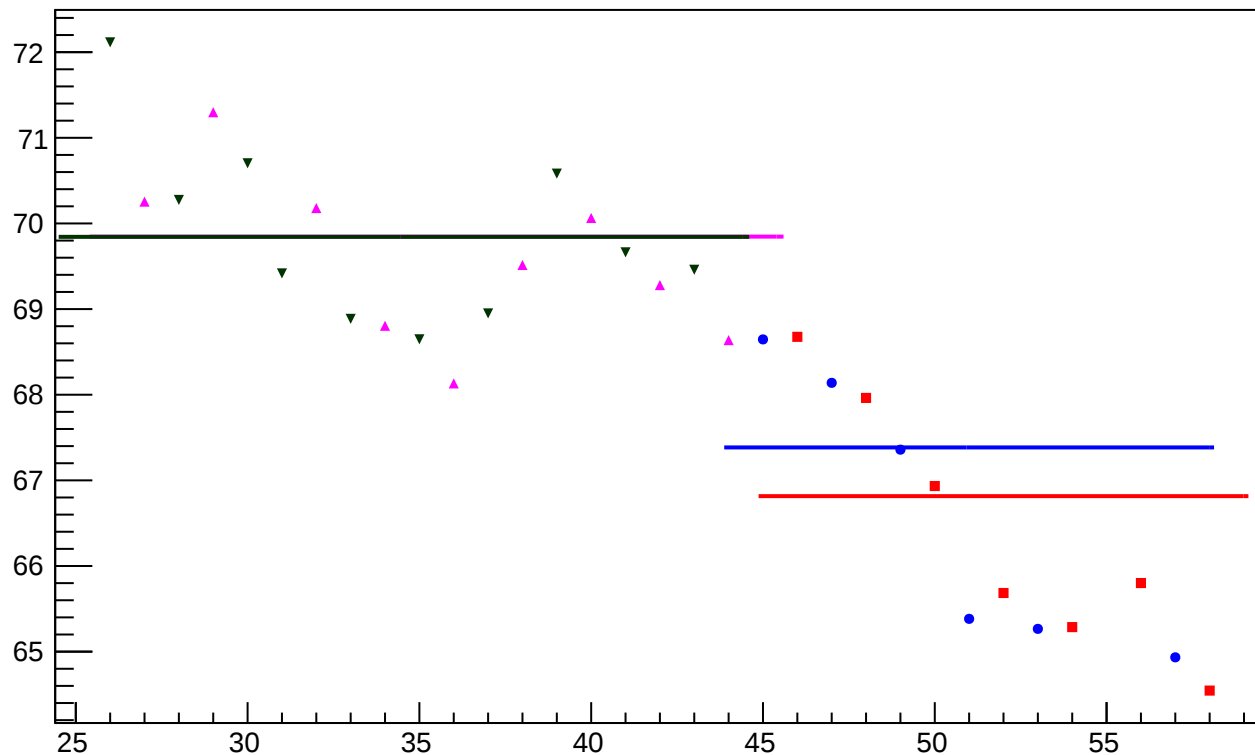


yield_usl_mean vs slug



Right In: 67.384+/-0.000

Left Out: 69.843+/-0.000

Right Out: 66.816+/-0.000

Left In: 69.846+/-0.000

χ^2/NDF : 217018547.9/5

χ^2/NDF : 214944835.0/9

χ^2/NDF : 223027920.0/6

χ^2/NDF : 291597621.2/8

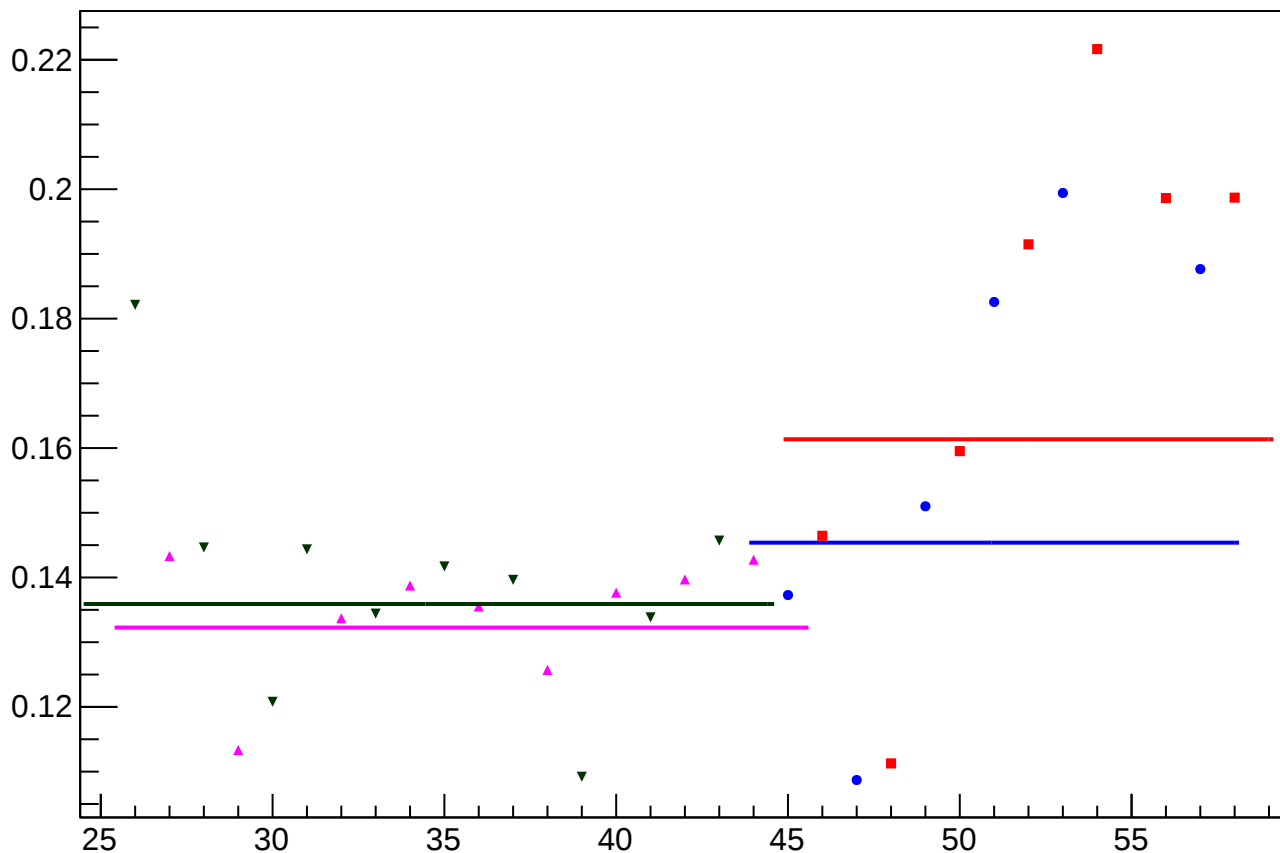
69.028+/-0.000

68.994+/-0.000

χ^2/NDF : 964005466.8/15

χ^2/NDF : 1303002282.2/15

yield_usl_rms vs slug



Right In: 0.145+/-0.000 χ^2/NDF : 228566.5/5

Left Out: 0.136+/-0.000 χ^2/NDF : 142040.9/9

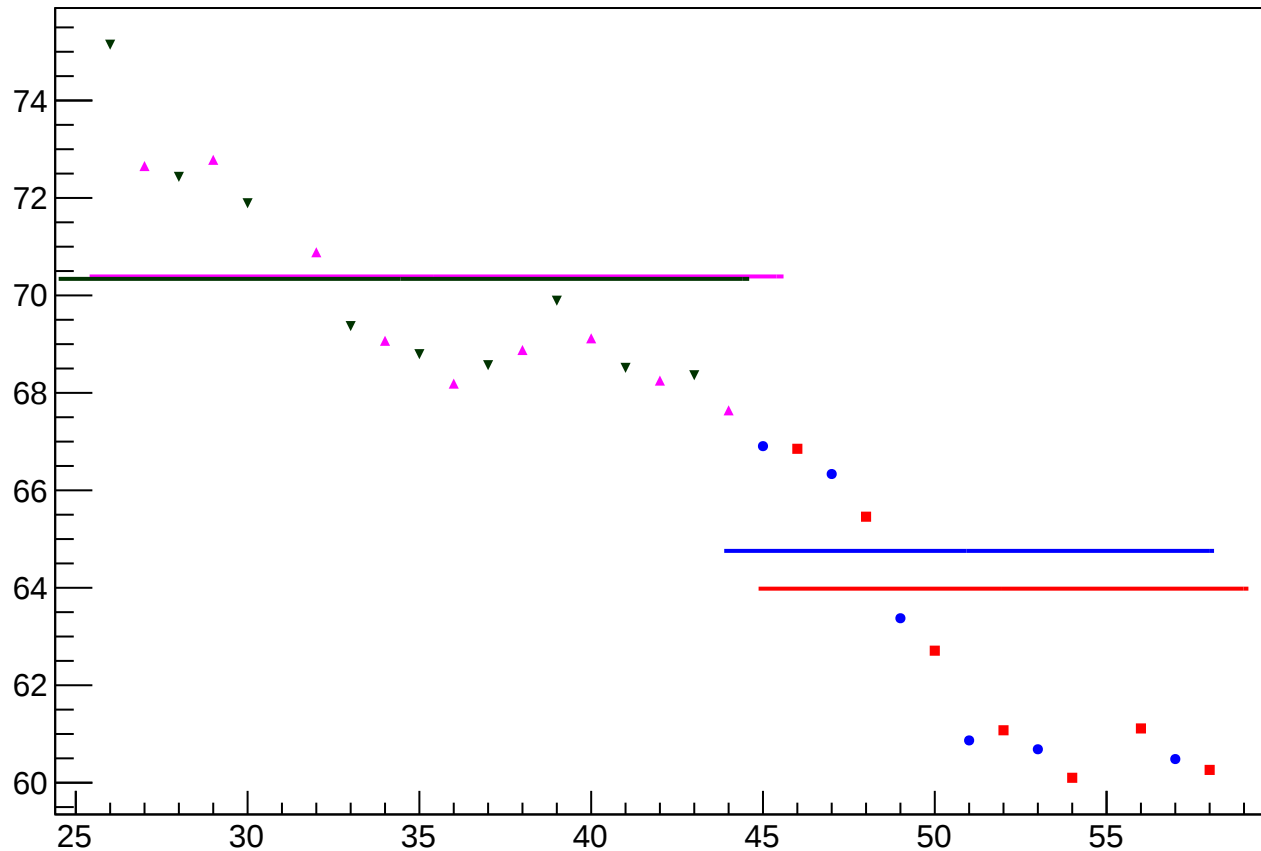
Right Out: 0.161+/-0.000 χ^2/NDF : 346584.3/6

Left In: 0.132+/-0.000 χ^2/NDF : 68230.8/8

0.139+/-0.000 χ^2/NDF : 386422.1/15

0.140+/-0.000 χ^2/NDF : 560180.5/15

yield_usr_mean vs slug



Right In: 64.757+/-0.000 χ^2/NDF : 1627505303.8/5

Left Out: 70.340+/-0.000 χ^2/NDF : 2358099133.7/8

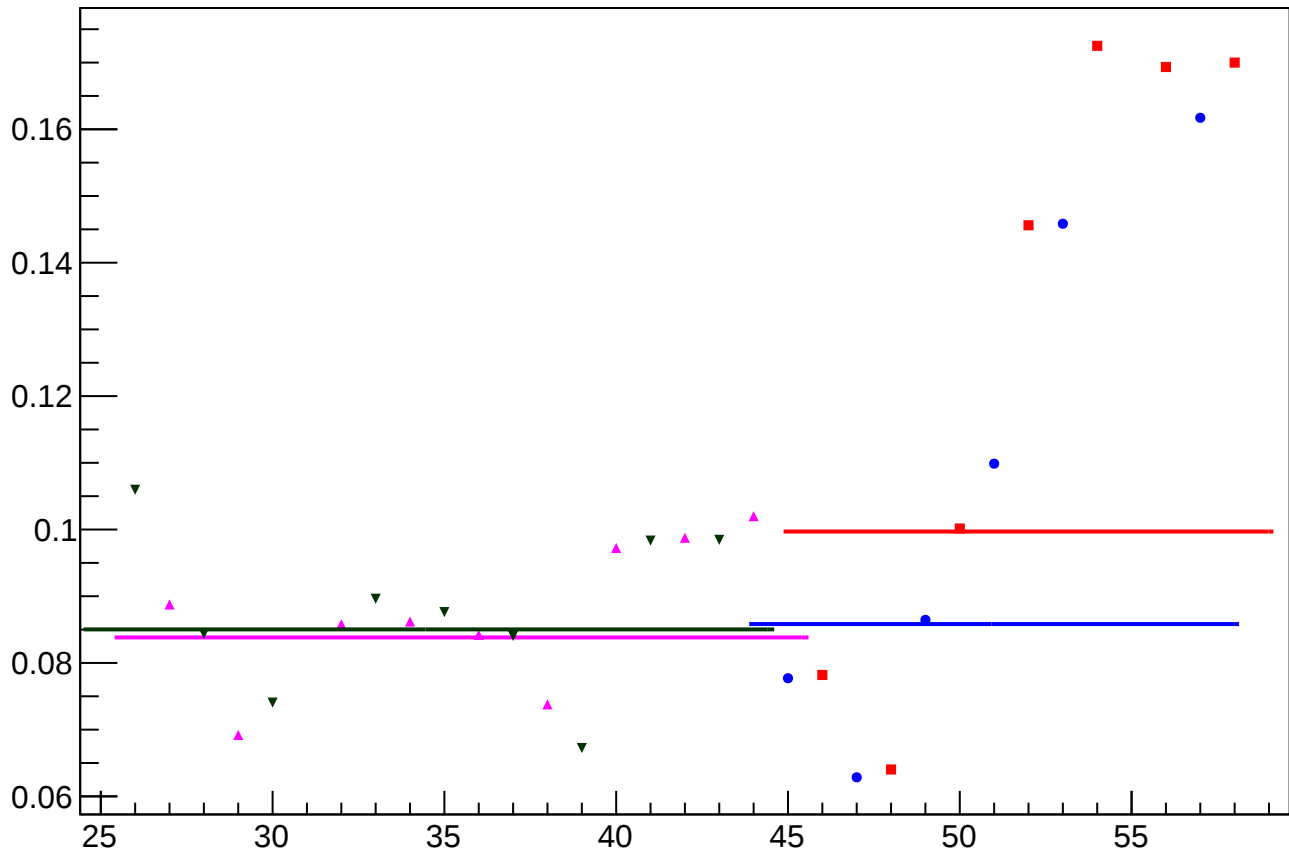
68.329+/-0.000 χ^2/NDF : 10731062255.9/14

Right Out: 63.982+/-0.000 χ^2/NDF : 1561416867.7/6

68.642+/-0.000 χ^2/NDF : 12392095546.5/15

Left In: 70.389+/-0.000 χ^2/NDF : 2703371735.7/8

yield_usr_rms vs slug



Right In: 0.086+/-0.000 χ^2/NDF : 501597.5/5

Left Out: 0.085+/-0.000 χ^2/NDF :154523.7/8

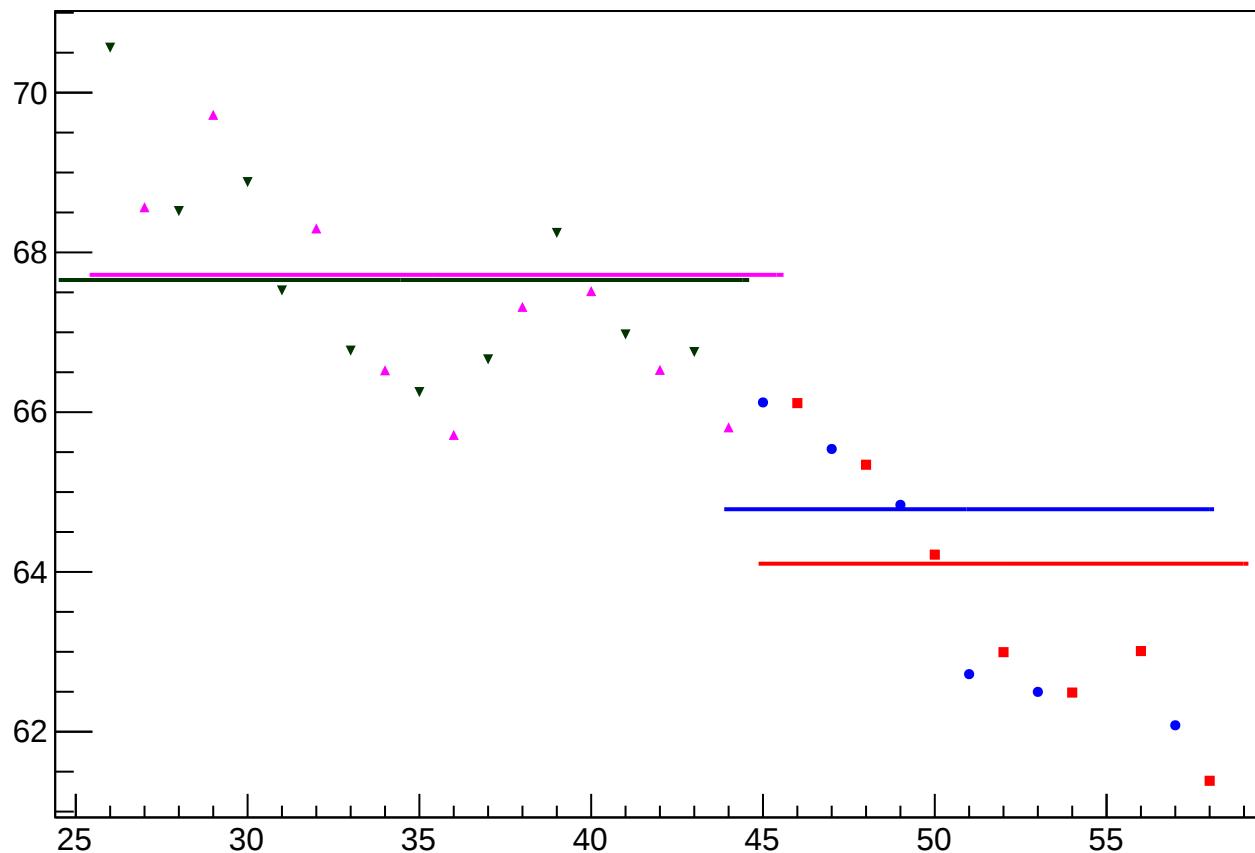
0.085+/-0.000 χ^2/NDF : 656399.9/14

Right Out: 0.100+/-0.000 χ^2/NDF : 897479.0/6

0.088+/-0.000 χ^2/NDF : 1159430.7/15

Left In: 0.084+/-0.000 χ^2/NDF :162178.0/8

yield_dsl_mean vs slug



Right In: 64.785 $\pm$ 0.000 χ^2 /NDF: 246031191.5/5

Left Out: 67.654 $\pm$ 0.000 χ^2 /NDF:328545386.7/9

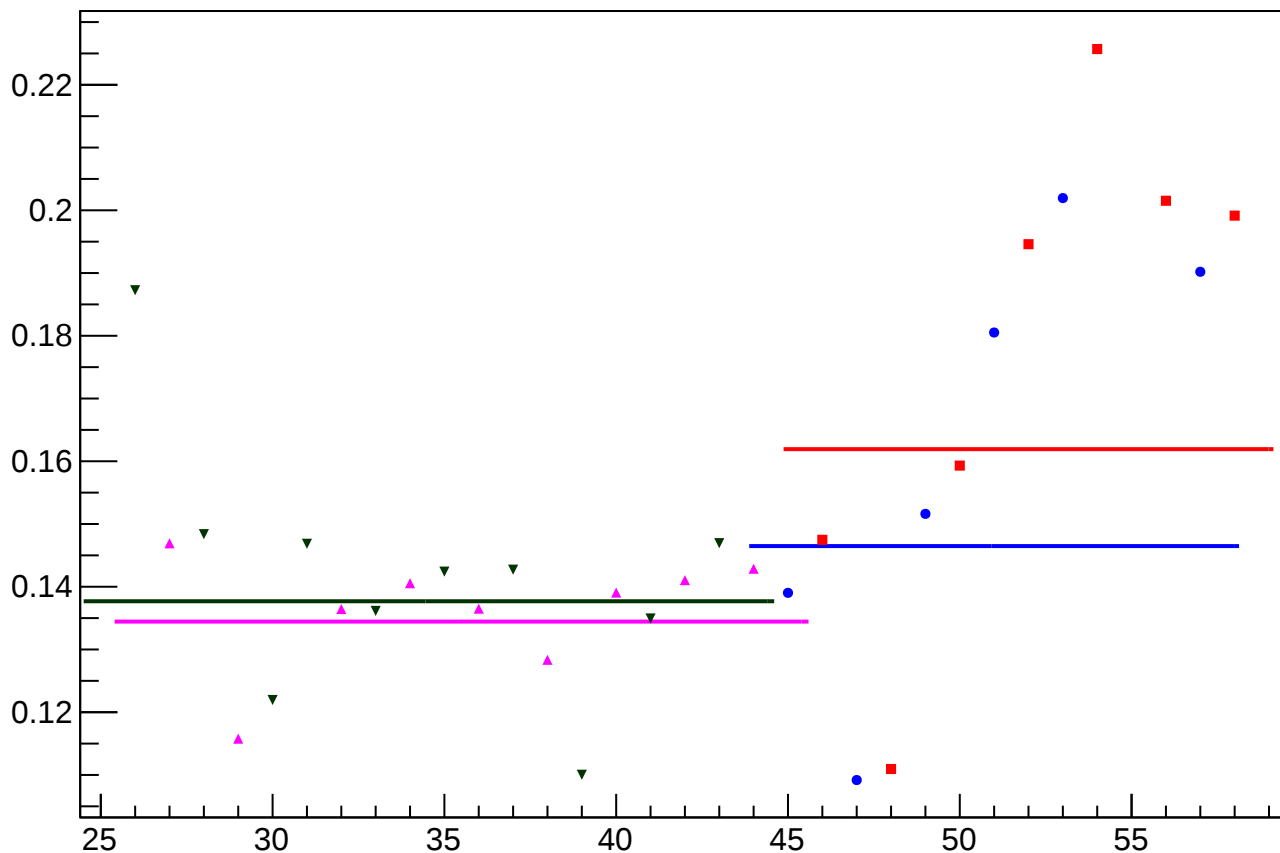
Right Out: 64.103 $\pm$ 0.000 χ^2 /NDF: 270733445.4/6

Left In: 67.719 $\pm$ 0.000 χ^2 /NDF:544133409.1/8

66.695 $\pm$ 0.000 χ^2 /NDF: 1286063343.2/15

66.685 $\pm$ 0.000 χ^2 /NDF: 1922843675.1/15

yield_dsl_rms vs slug



Right In: 0.146+/-0.000 χ^2/NDF : 233186.2/5

Left Out: 0.138+/-0.000 χ^2/NDF :153493.7/9

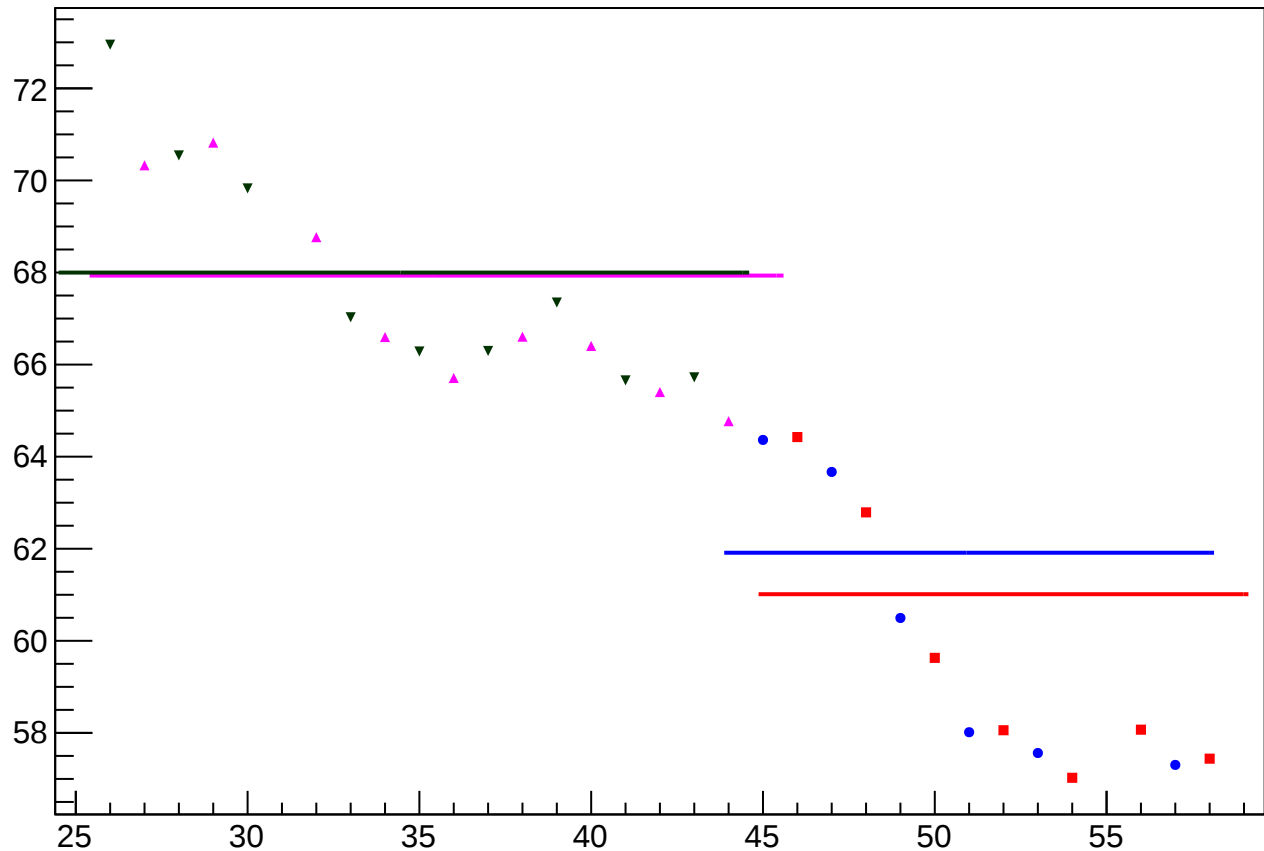
Right Out: 0.162+/-0.000 χ^2/NDF : 366876.2/6

Left In: 0.134+/-0.000 χ^2/NDF :63498.7/8

0.141+/-0.000 χ^2/NDF : 400045.2/15

0.142+/-0.000 χ^2/NDF : 558410.7/15

yield_dsr_mean vs slug



Right In: 61.913+/-0.000 χ^2/NDF : 2116108689.2/5

Left Out: 67.999+/-0.000 χ^2/NDF : 3088835100.9/8

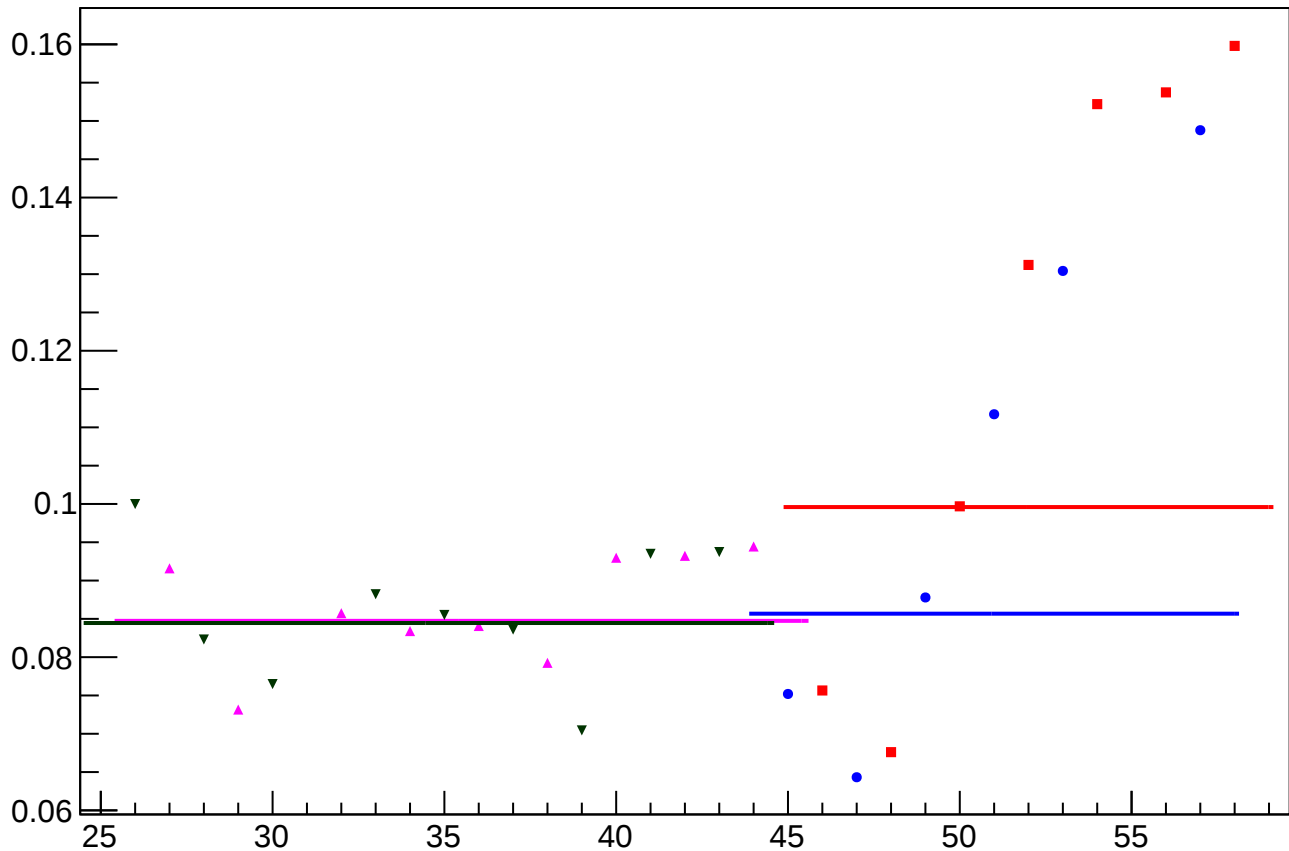
Right Out: 61.013+/-0.000 χ^2/NDF : 2062106911.1/6

Left In: 67.934+/-0.000 χ^2/NDF : 3365476193.8/8

65.796+/-0.000 χ^2/NDF : 13404506788.4/14

65.971+/-0.000 χ^2/NDF : 15151251985.7/15

yield_dsr_rms vs slug



Right In: 0.086 $\pm$ 0.000 χ^2 /NDF: 404725.0/5

Left Out: 0.084 $\pm$ 0.000 χ^2 /NDF:86764.0/8

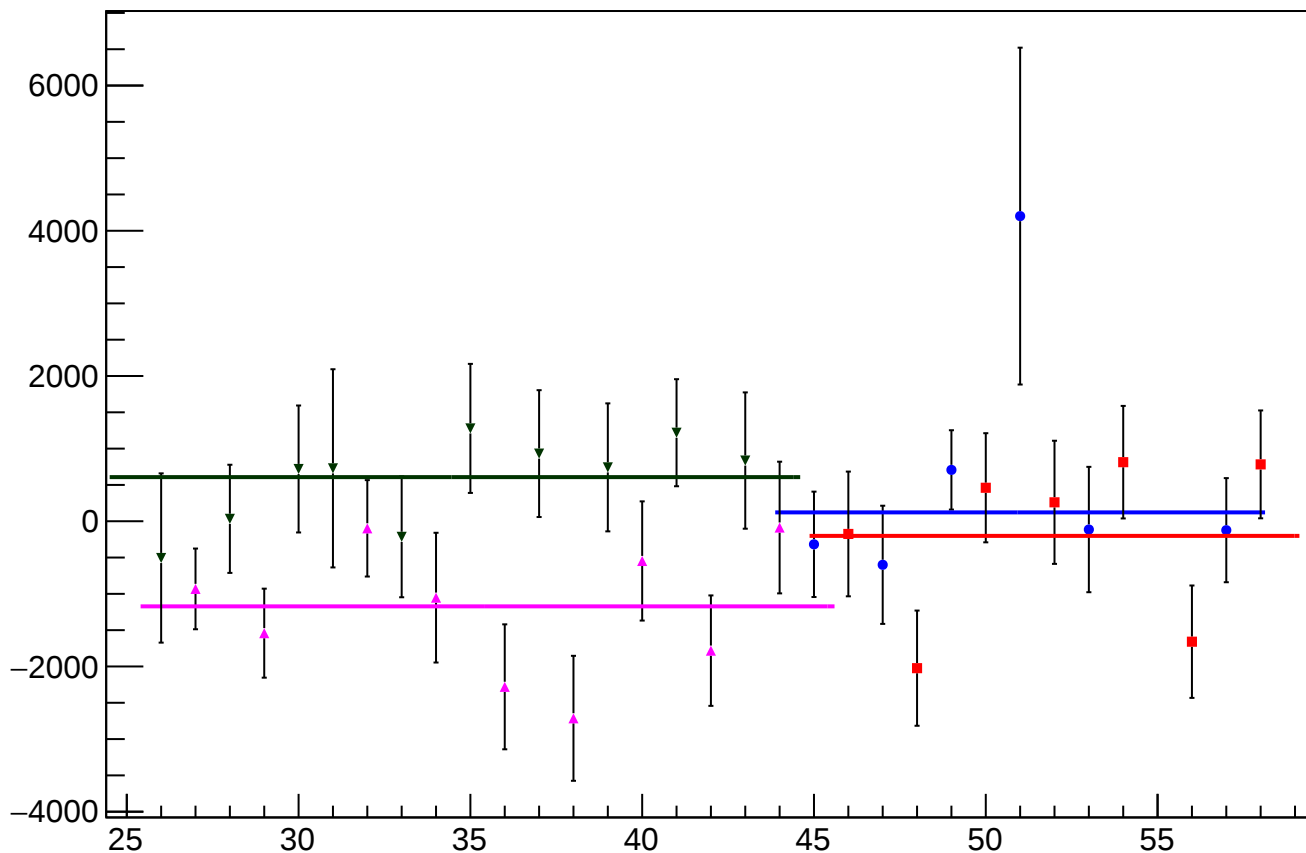
Right Out: 0.100 $\pm$ 0.000 χ^2 /NDF: 676514.2/6

Left In: 0.085 $\pm$ 0.000 χ^2 /NDF:76721.4/8

0.085 $\pm$ 0.000 χ^2 /NDF: 492145.3/14

0.089 $\pm$ 0.000 χ^2 /NDF: 842830.4/15

asym_usl_mean vs slug



Right In: 121.790 ± 312.585 χ^2/NDF : 5.6/5

Left Out: 607.534 ± 280.959 χ^2/NDF : 4.0/9

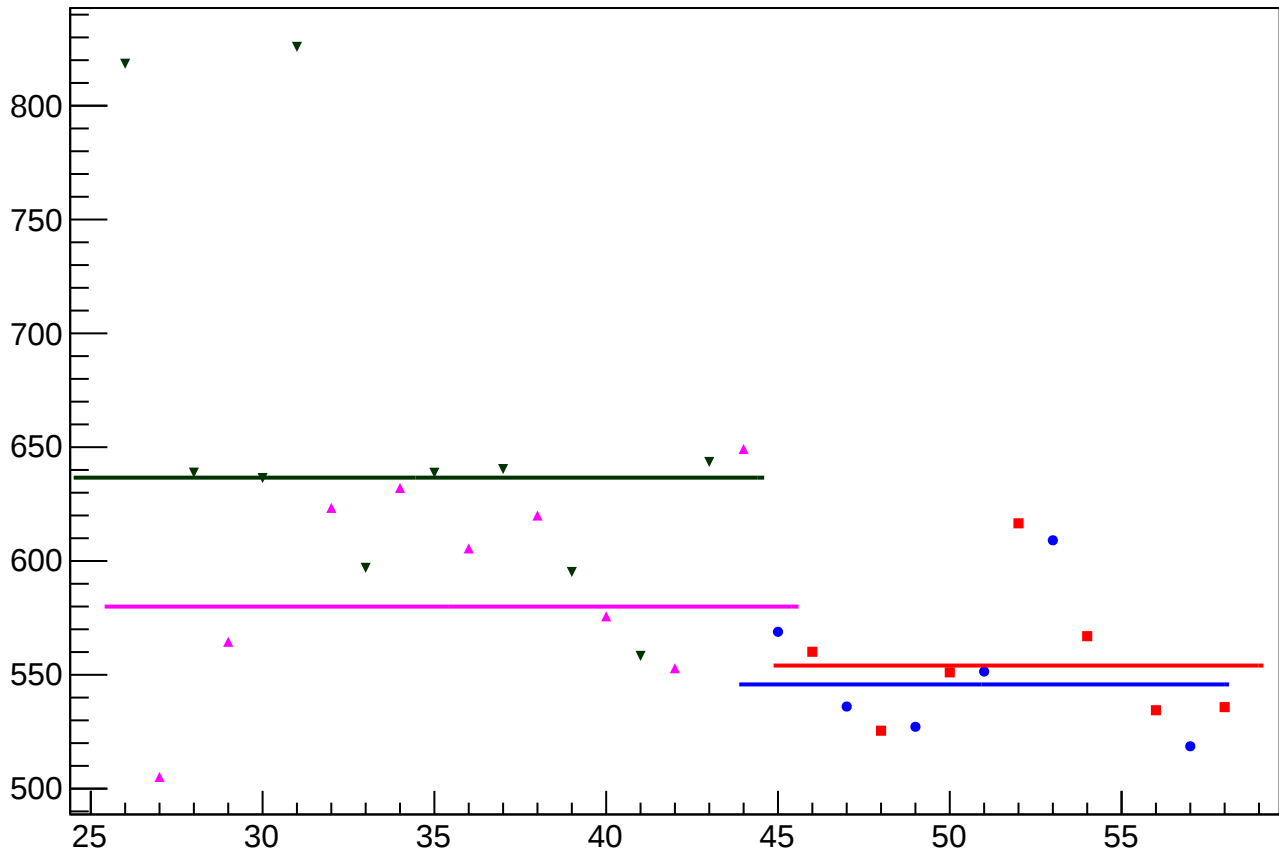
Right Out: -201.735 ± 298.082 χ^2/NDF : 13.4/6

Left In: -1172.316 ± 245.788 χ^2/NDF : 10.7/8

390.471 ± 208.957 χ^2/NDF : 10.9/15

-779.493 ± 189.635 χ^2/NDF : 30.4/15

asym_usl_rms vs slug



Right In: 545.785 $\pm$ 0.221 χ^2 /NDF: 18279.8/5

Left Out: 636.619 $\pm$ 0.199 χ^2 /NDF: 118822.0/9

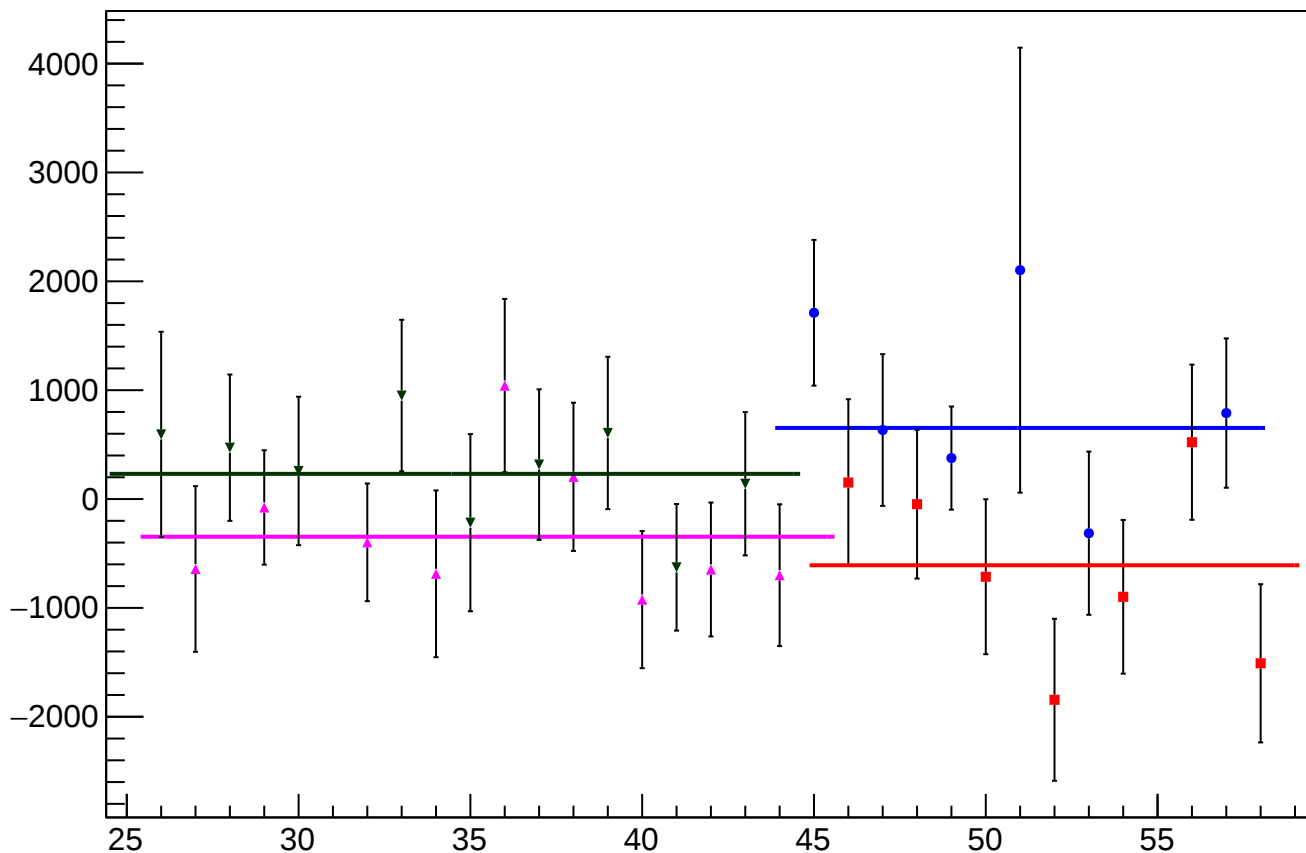
Right Out: 554.073 $\pm$ 0.211 χ^2 /NDF: 16642.3/6

Left In: 579.971 $\pm$ 0.174 χ^2 /NDF: 73206.6/8

596.029 $\pm$ 0.148 χ^2 /NDF: 230516.4/15

569.489 $\pm$ 0.134 χ^2 /NDF: 98835.5/15

asym_usr_mean vs slug



Right In: 653.383 $\pm$ 278.490 χ^2/NDF : 5.0/5

Left Out: 231.411 $\pm$ 232.753 χ^2/NDF : 4.1/8

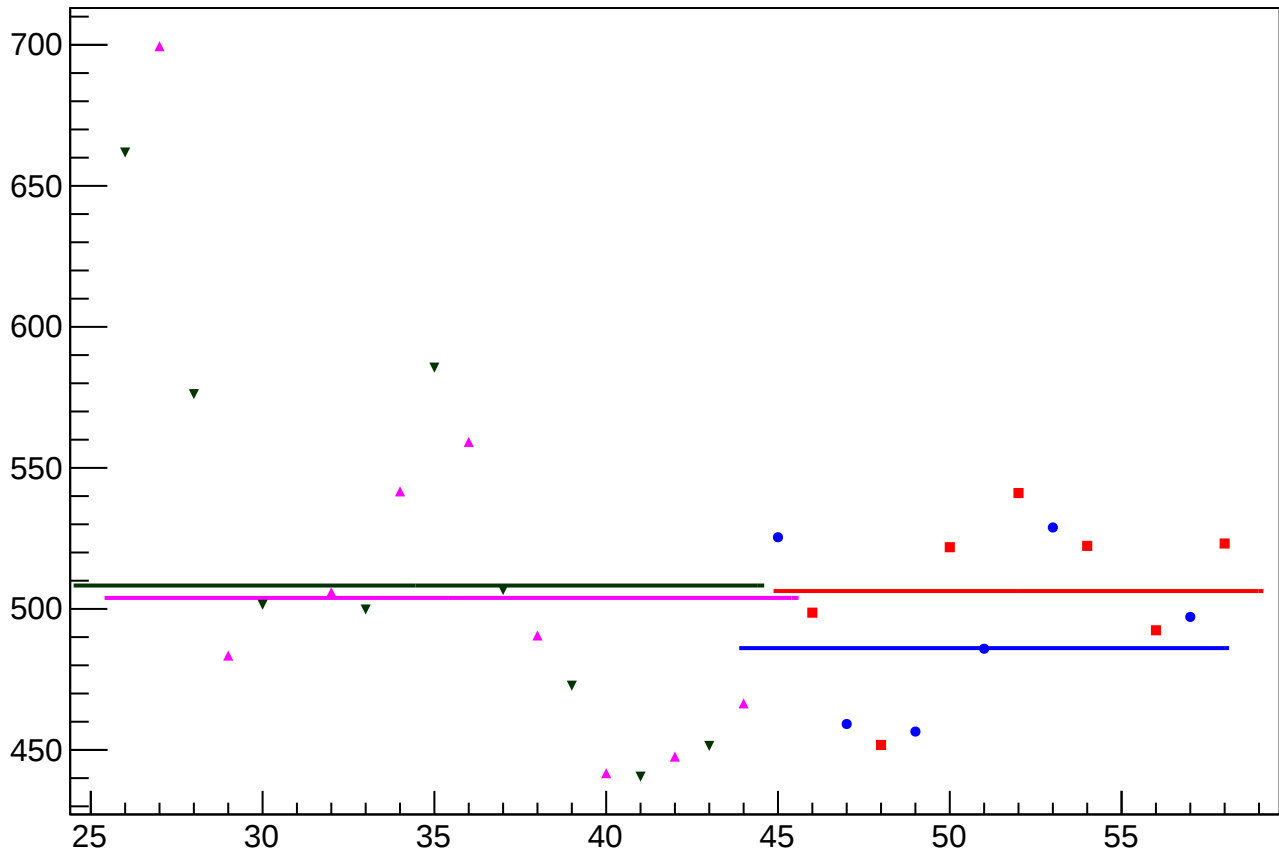
Right Out: -608.345 $\pm$ 272.183 χ^2/NDF : 8.7/6

Left In: -346.250 $\pm$ 214.497 χ^2/NDF : 5.7/8

404.946 $\pm$ 178.592 χ^2/NDF : 10.5/14

-446.662 $\pm$ 168.471 χ^2/NDF : 14.9/15

asym_usr_rms vs slug



Right In: 486.102 $\pm$ 0.197 χ^2 /NDF: 24719.9/5

Left Out: 508.292 $\pm$ 0.165 χ^2 /NDF:139195.8/8

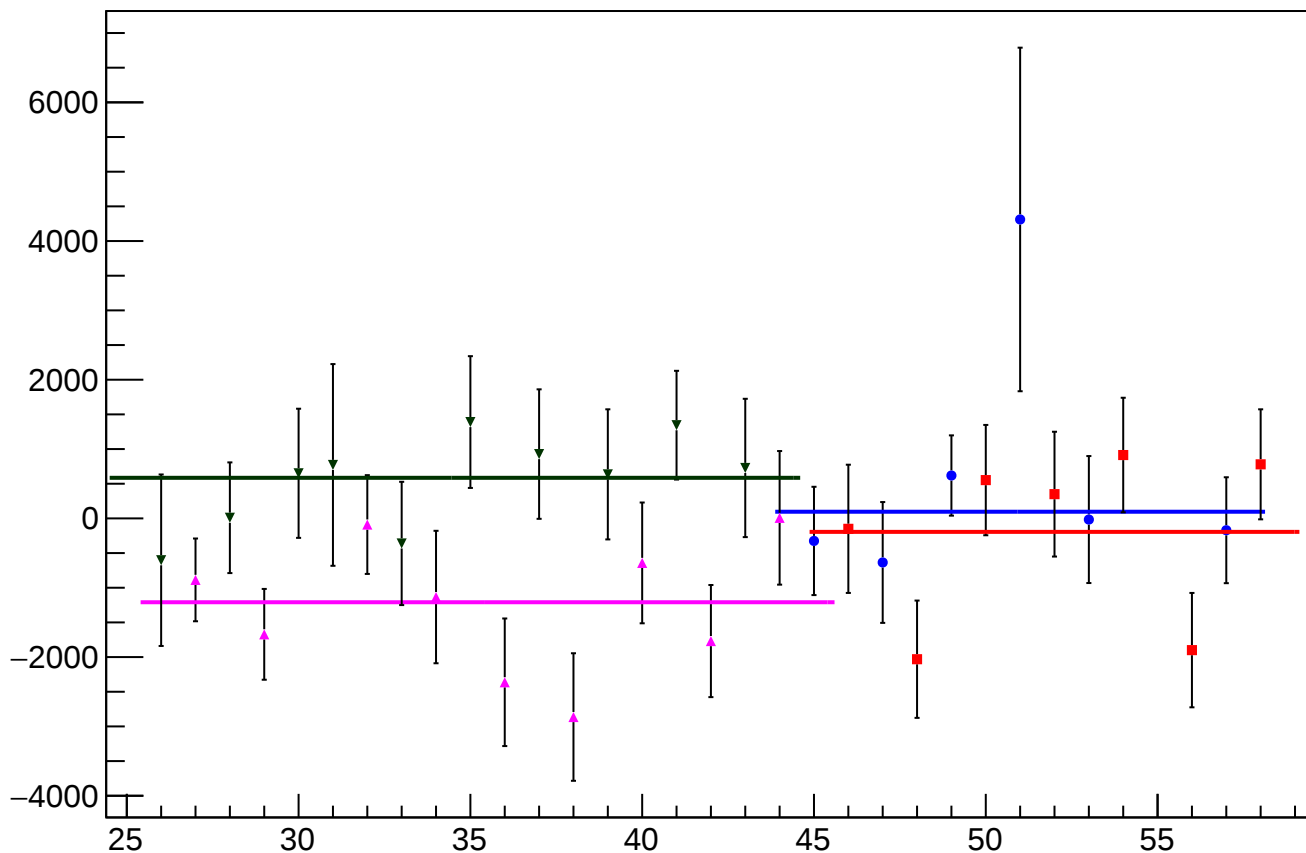
499.166 $\pm$ 0.126 χ^2 /NDF: 171391.7/14

Right Out: 506.336 $\pm$ 0.192 χ^2 /NDF: 21152.4/6

504.835 $\pm$ 0.119 χ^2 /NDF: 214602.5/15

Left In: 503.902 $\pm$ 0.152 χ^2 /NDF:193351.4/8

asym_dsl_mean vs slug



Right In: 96.146+/-333.113 χ^2/NDF : 4.8/5

Left Out: 585.397+/-299.644 χ^2/NDF : 4.4/9

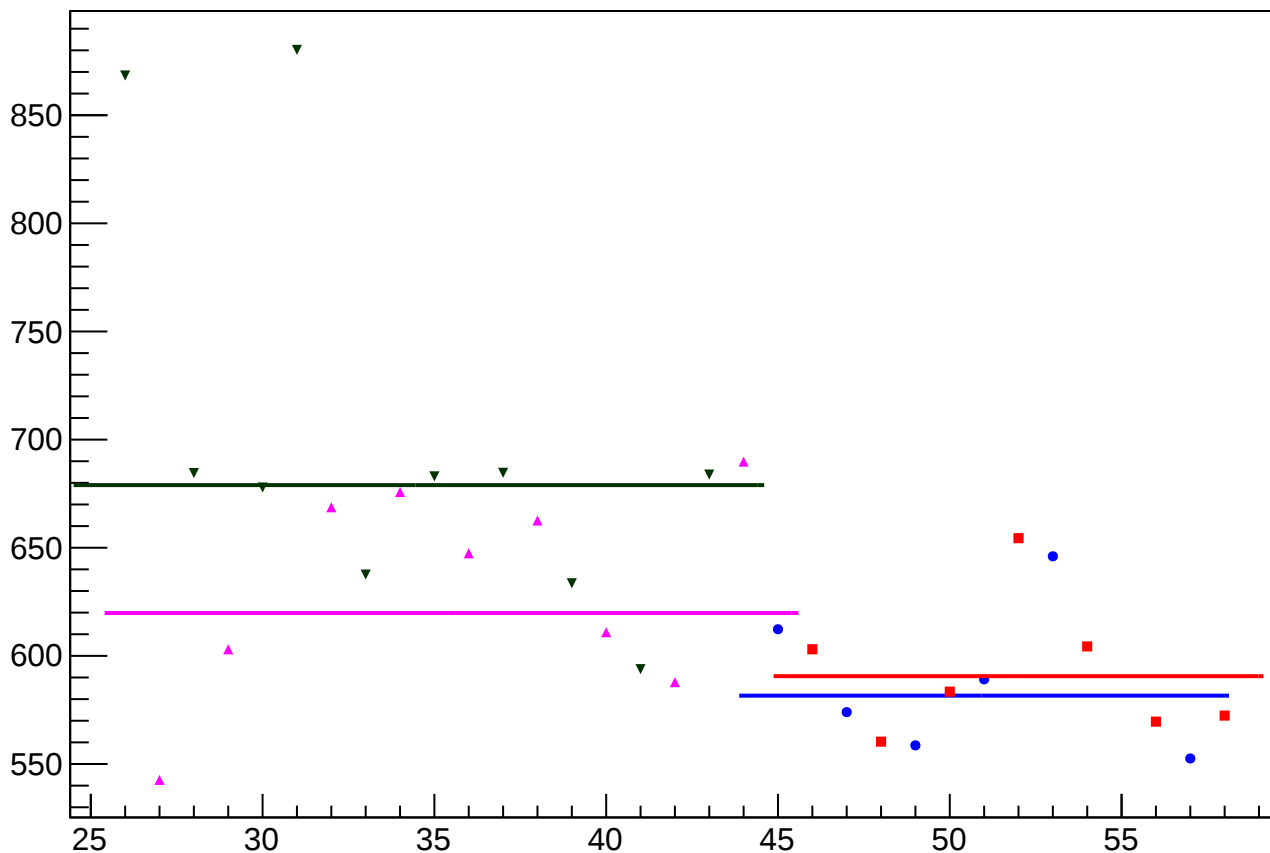
Right Out: -194.263+/-317.722 χ^2/NDF : 13.5/6

Left In: -1209.244+/-262.640 χ^2/NDF : 10.6/8

366.577+/-222.776 χ^2/NDF : 10.4/15

-797.225+/-202.431 χ^2/NDF : 30.2/15

asym_dsl_rms vs slug



Right In: 581.609 ± 0.236 $\chi^2/\text{NDF}: 19213.5/5$

Left Out: 678.962 ± 0.212 $\chi^2/\text{NDF}: 118027.5/9$

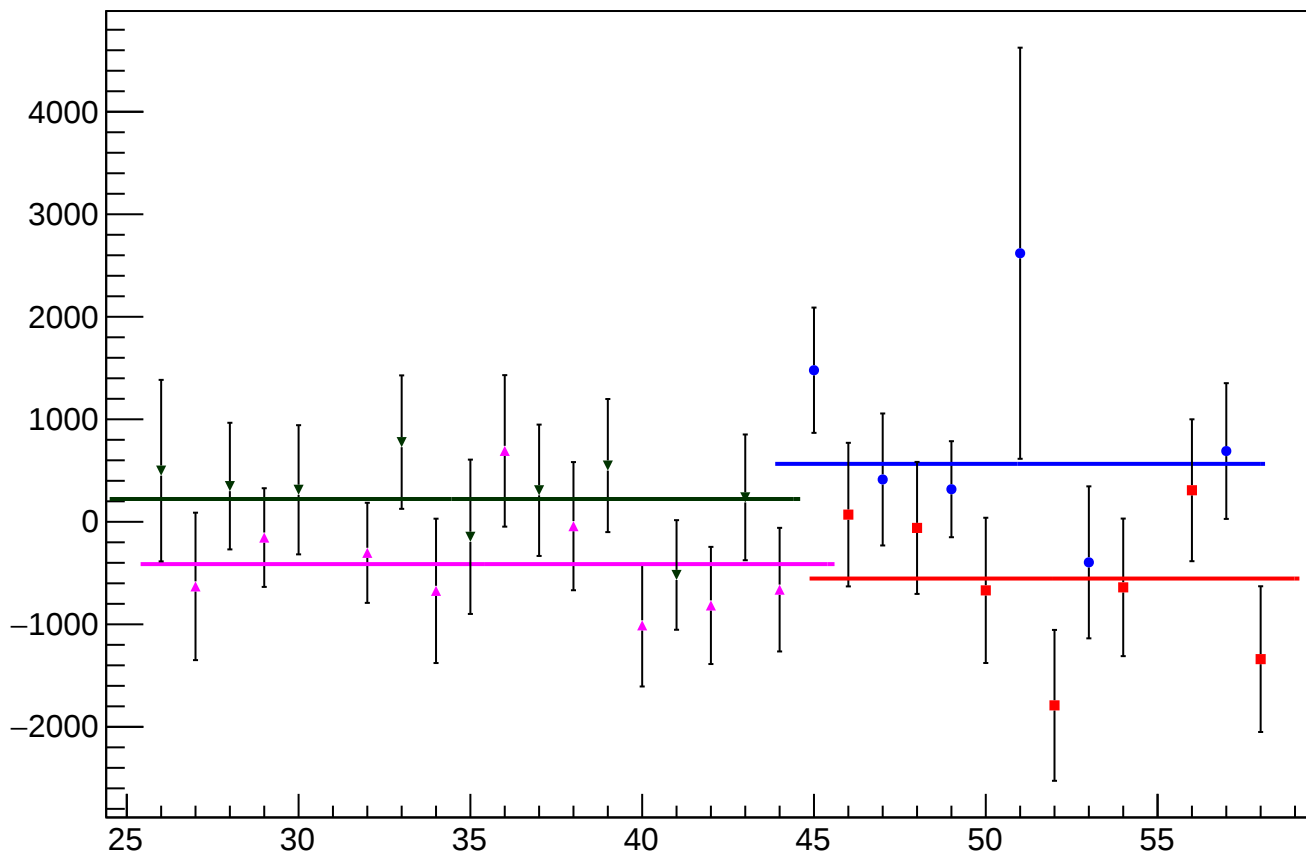
Right Out: 590.616 ± 0.225 $\chi^2/\text{NDF}: 16046.9/6$

Left In: 619.820 ± 0.186 $\chi^2/\text{NDF}: 71061.2/8$

635.421 ± 0.158 $\chi^2/\text{NDF}: 231662.1/15$

607.965 ± 0.143 $\chi^2/\text{NDF}: 97146.0/15$

asym_dsr_mean vs slug



Right In: 565.350 $\pm$ 267.275 χ^2/NDF : 5.3/5

Left Out: 222.635 $\pm$ 215.614 χ^2/NDF : 3.3/8

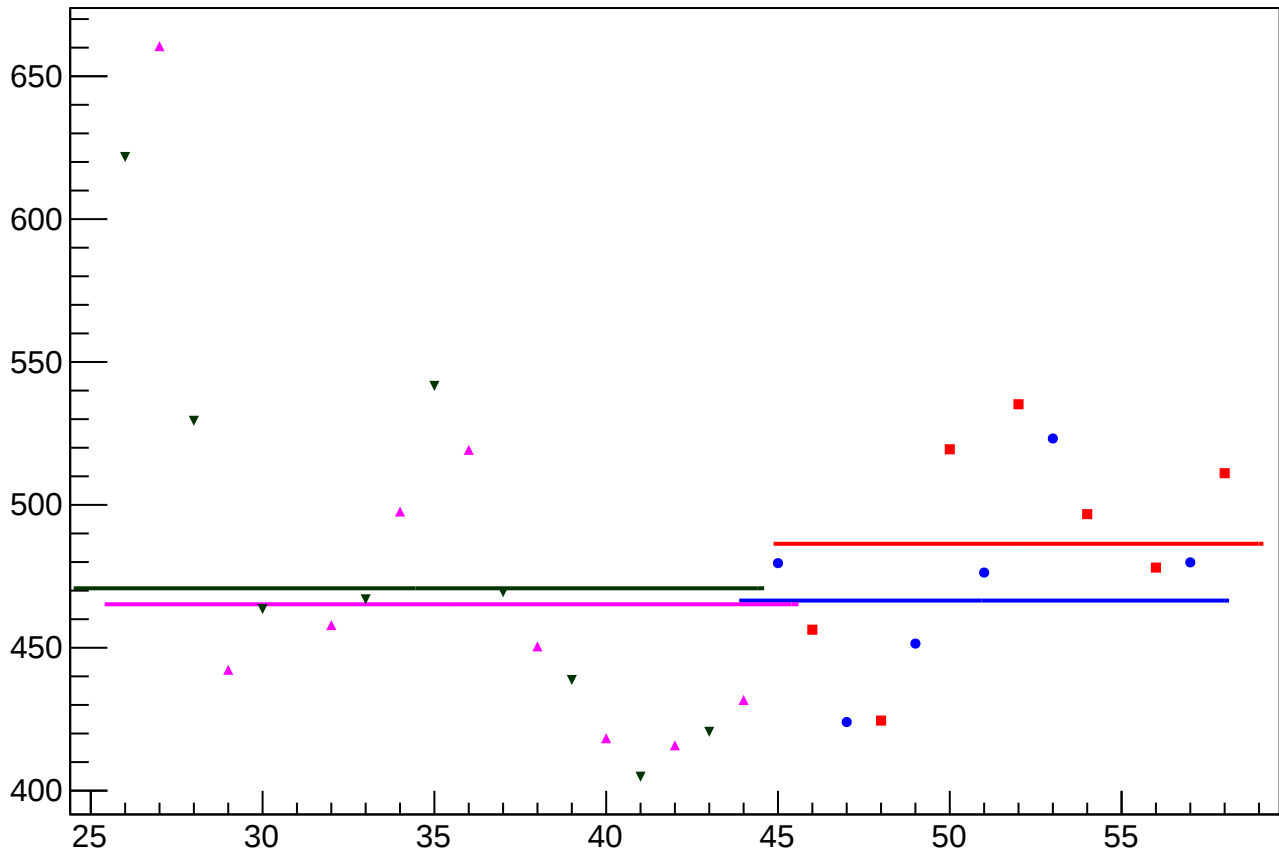
Right Out: -553.354 $\pm$ 261.891 χ^2/NDF : 7.0/6

Left In: -412.499 $\pm$ 198.099 χ^2/NDF : 4.8/8

357.743 $\pm$ 167.816 χ^2/NDF : 9.6/14

-463.761 $\pm$ 157.991 χ^2/NDF : 12.0/15

asym_dsr_rms vs slug



Right In: 466.519 ± 0.189 χ^2/NDF : 24269.9/5

Left Out: 470.818 ± 0.152 χ^2/NDF : 142935.9/8

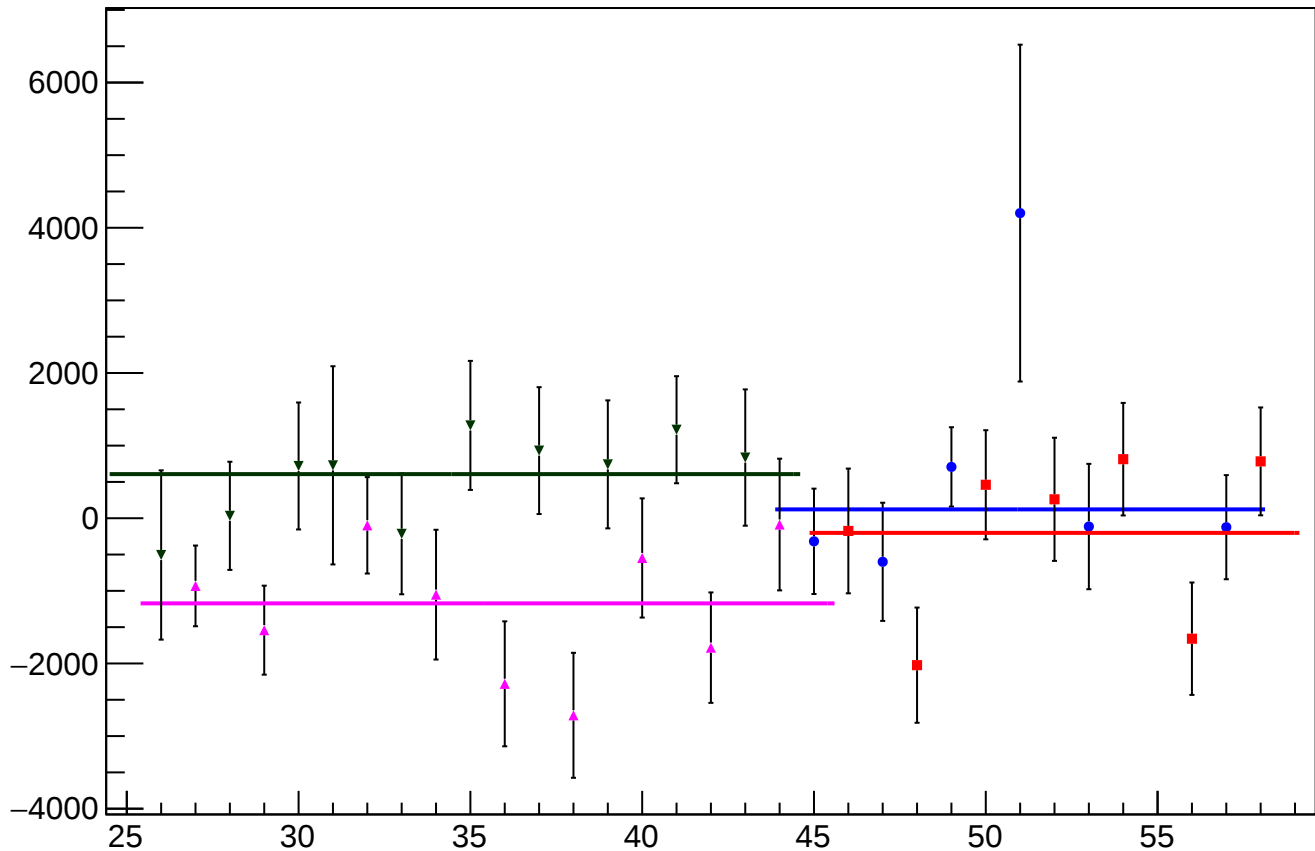
Right Out: 486.397 ± 0.185 χ^2/NDF : 38497.4/6

Left In: 465.223 ± 0.140 χ^2/NDF : 202024.3/8

469.123 ± 0.119 χ^2/NDF : 167519.1/14

472.929 ± 0.112 χ^2/NDF : 248837.4/15

cor_usl_mean vs slug



Right In: 121.790+/-312.585 χ^2/NDF : 5.6/5

Left Out: 607.534+/-280.959 χ^2/NDF : 4.0/9

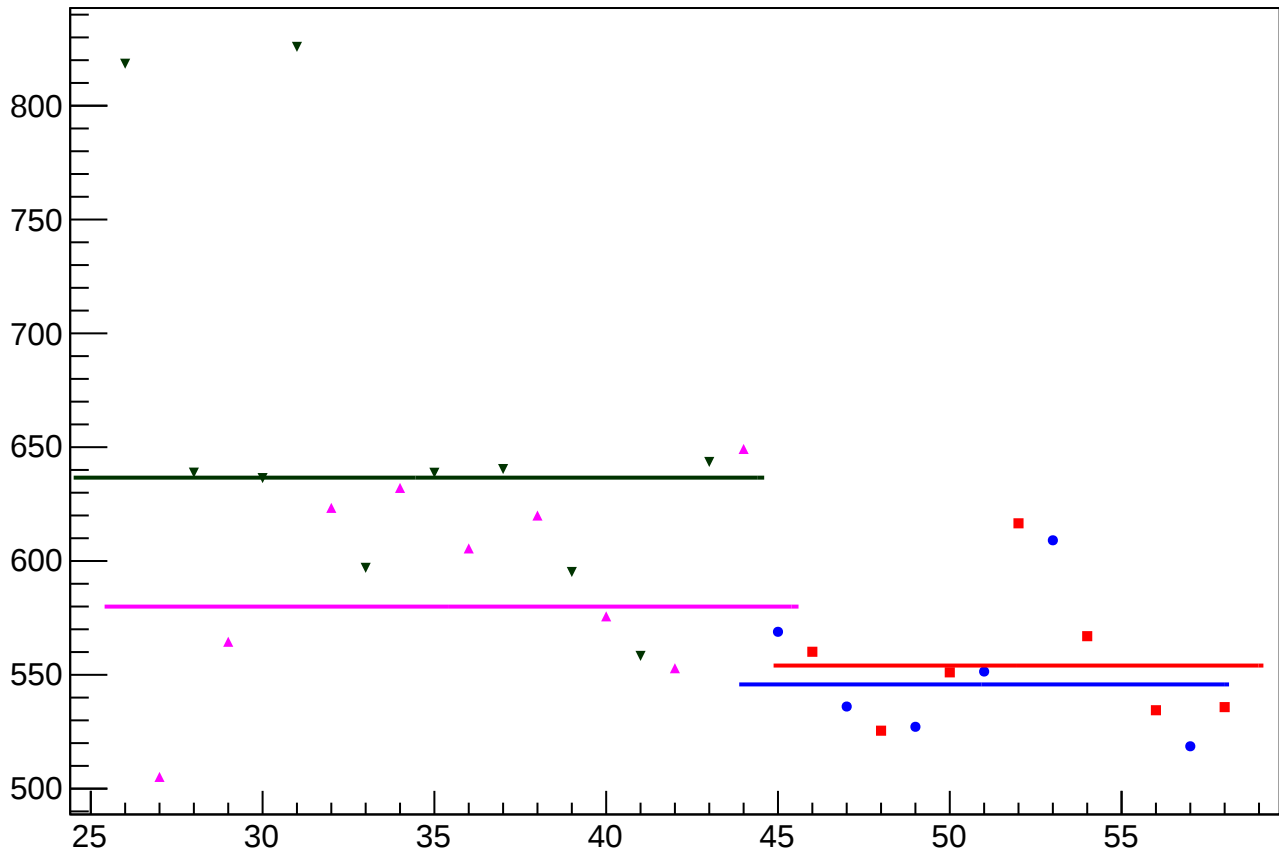
Right Out: -201.735+/-298.082 χ^2/NDF : 13.4/6

Left In: -1172.316+/-245.788 χ^2/NDF : 10.7/8

390.471+/-208.957 χ^2/NDF : 10.9/15

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cor_usl_rms vs slug



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Left Out: 636.619 $\pm$ 0.199 χ^2 /NDF: 118822.0/9

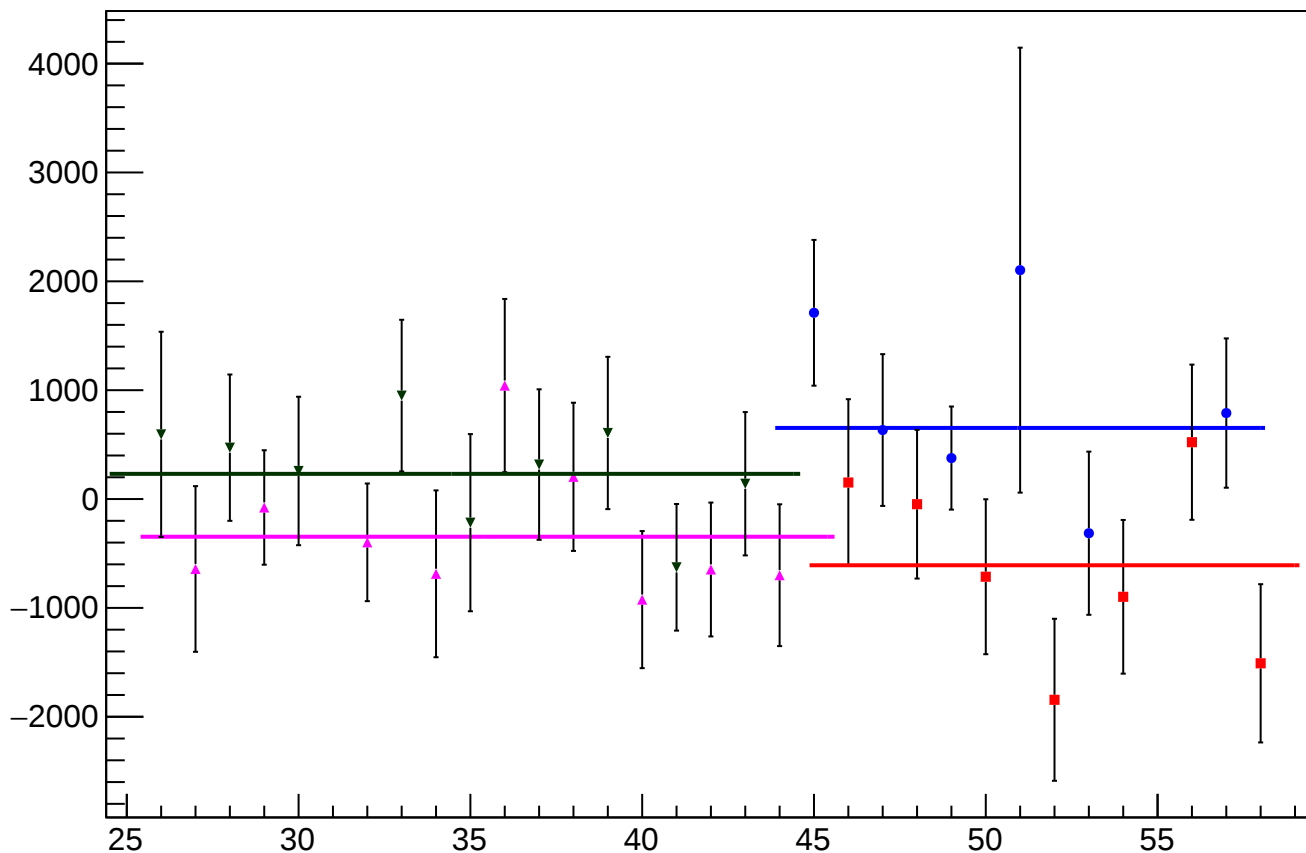
Right Out: 554.073 $\pm$ 0.211 χ^2 /NDF: 16642.3/6

Left In: 579.971 $\pm$ 0.174 χ^2 /NDF: 73206.6/8

596.029 $\pm$ 0.148 χ^2 /NDF: 230516.4/15

569.489 $\pm$ 0.134 χ^2 /NDF: 98835.5/15

cor_usr_mean vs slug



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Left Out: 231.411 ± 232.753 χ^2/NDF : 4.1/8

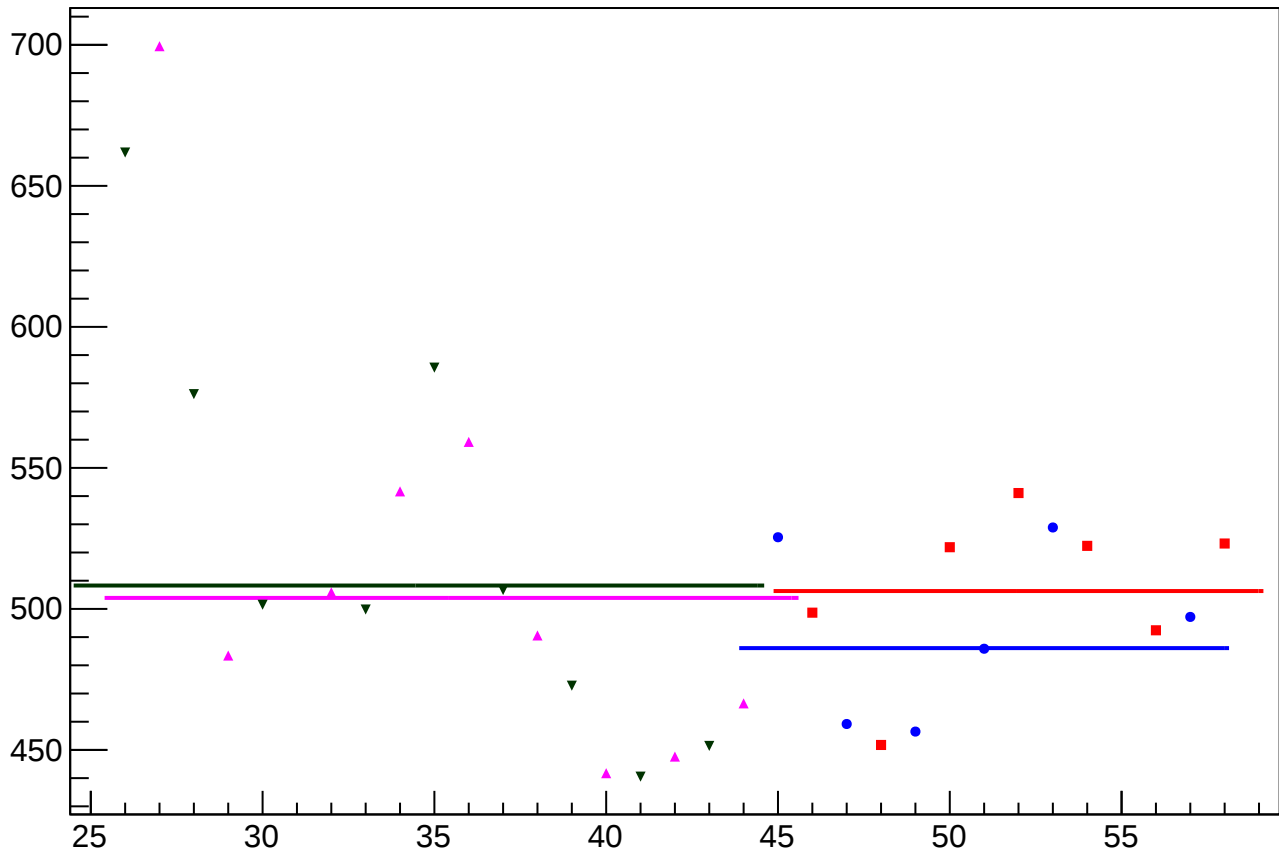
Right Out: -608.345 ± 272.183 χ^2/NDF : 8.7/6

Left In: -346.250 ± 214.497 χ^2/NDF : 5.7/8

404.946 ± 178.592 χ^2/NDF : 10.5/14

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cor_usr_rms vs slug



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Left Out: 508.292 $\pm$ 0.165 χ^2 /NDF:139195.8/8

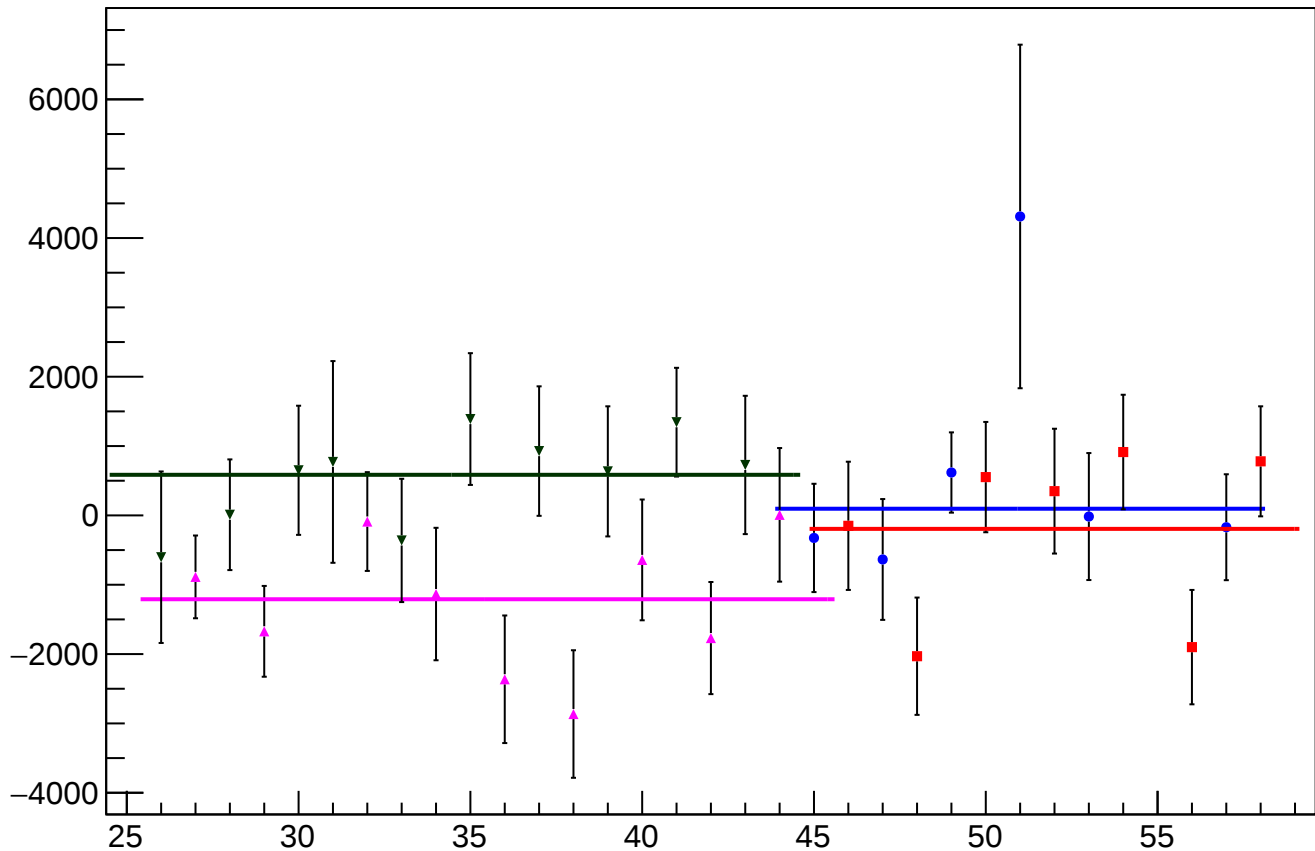
499.166 $\pm$ 0.126 χ^2 /NDF: 171391.7/14

Right Out: 506.336 $\pm$ 0.192 χ^2 /NDF: 21152.4/6

504.835 $\pm$ 0.119 χ^2 /NDF: 214602.5/15

Left In: 503.902 $\pm$ 0.152 χ^2 /NDF:193351.4/8

cor_dsl_mean vs slug



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Left Out: 585.397+/-299.644 χ^2/NDF : 4.4/9

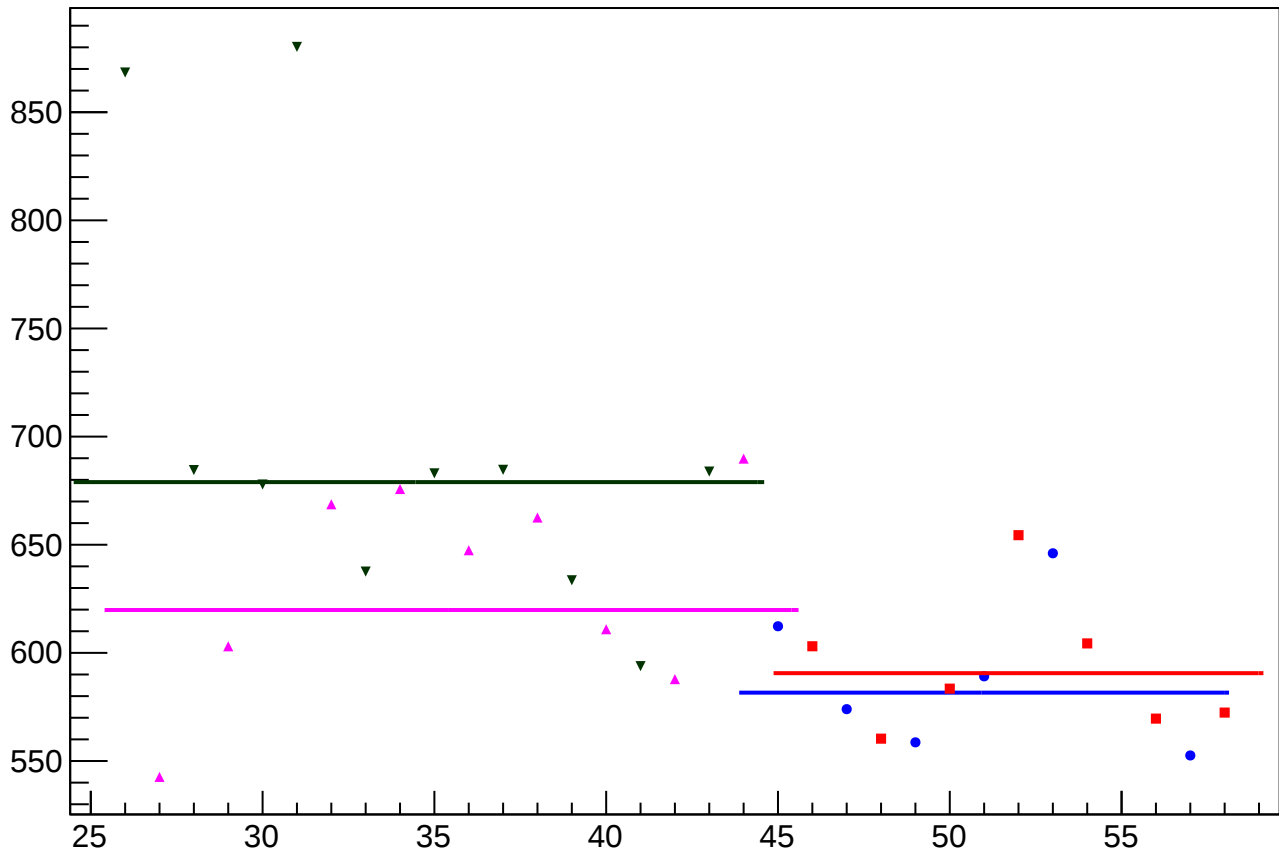
Right Out: -194.263+/-317.722 χ^2/NDF : 13.5/6

Left In: -1209.244+/-262.640 χ^2/NDF : 10.6/8

366.577+/-222.776 χ^2/NDF : 10.4/15

-797.225+/-202.431 χ^2/NDF : 30.2/15

cor_dsl_rms vs slug



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Left Out: 678.962 ± 0.212 $\chi^2/\text{NDF}: 118027.5/9$

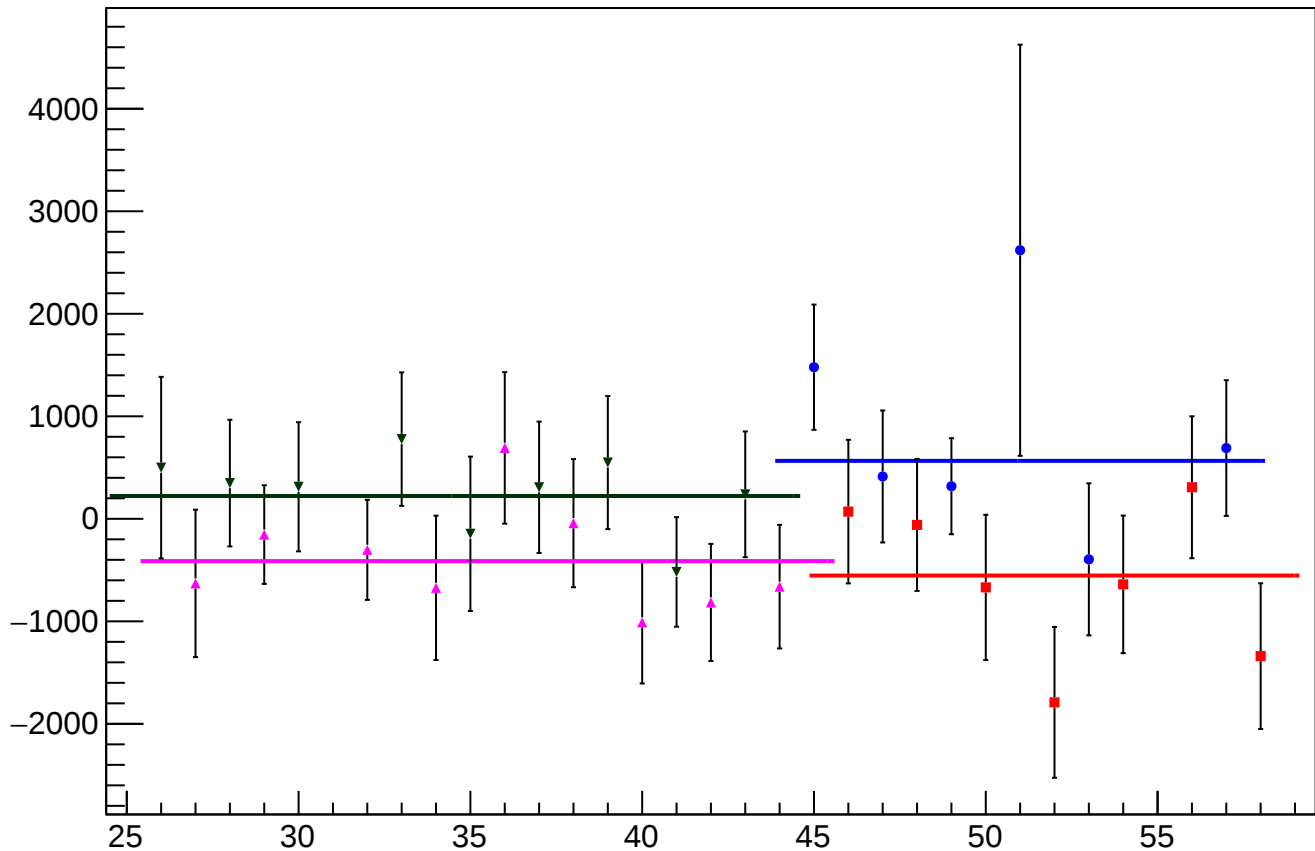
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Left In: 619.820 ± 0.186 $\chi^2/\text{NDF}: 71061.2/8$

635.421 ± 0.158 $\chi^2/\text{NDF}: 231662.1/15$

607.965 ± 0.143 $\chi^2/\text{NDF}: 97146.0/15$

cor_dsr_mean vs slug



Right In: 565.350 $\pm$ 267.275 χ^2 /NDF: 5.3/5

Left Out: 222.635 $\pm$ 215.614 χ^2 /NDF: 3.3/8

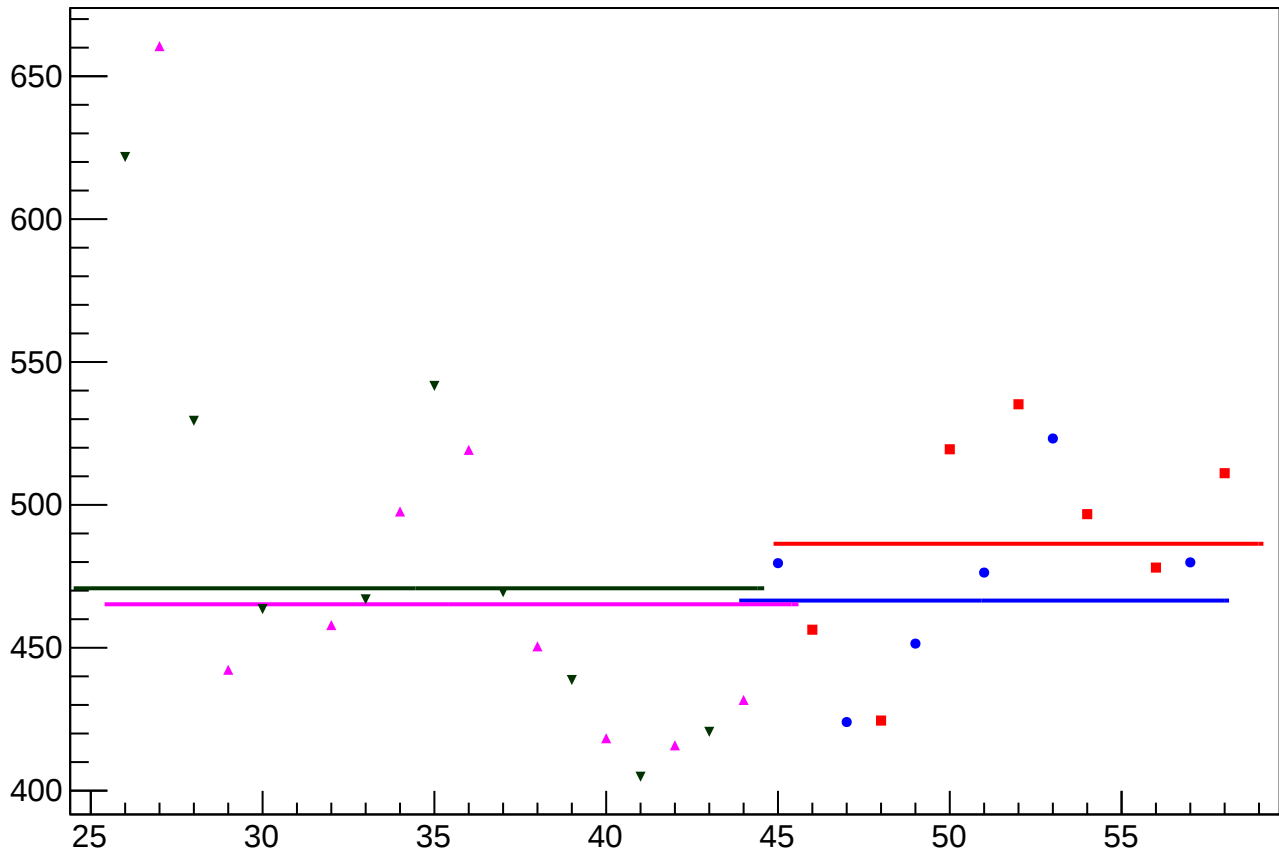
Right Out: -553.354 $\pm$ 261.891 χ^2 /NDF: 7.0/6

Left In: -412.499 $\pm$ 198.099 χ^2 /NDF: 4.8/8

357.743 $\pm$ 167.816 χ^2 /NDF: 9.6/14

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cor_dsr_rms vs slug



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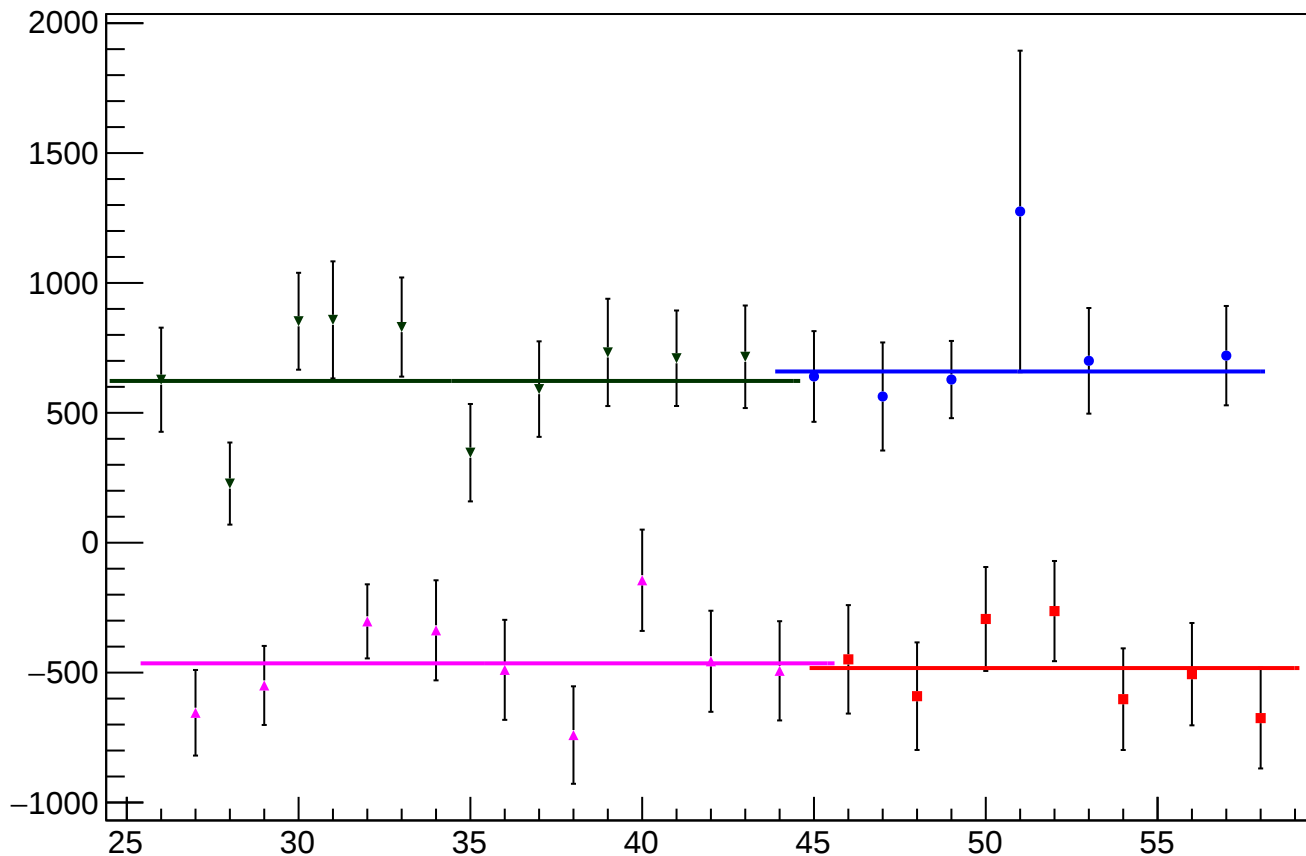
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469.123+/-0.119 χ^2/NDF : 167519.1/14

472.929+/-0.112 χ^2/NDF : 248837.4/15

reg_asym_usl_mean vs slug



Right In: 659.208 ± 80.239 $\chi^2/\text{NDF}: 1.4/5$

Left Out: 622.726 ± 60.025 $\chi^2/\text{NDF}: 13.0/9$

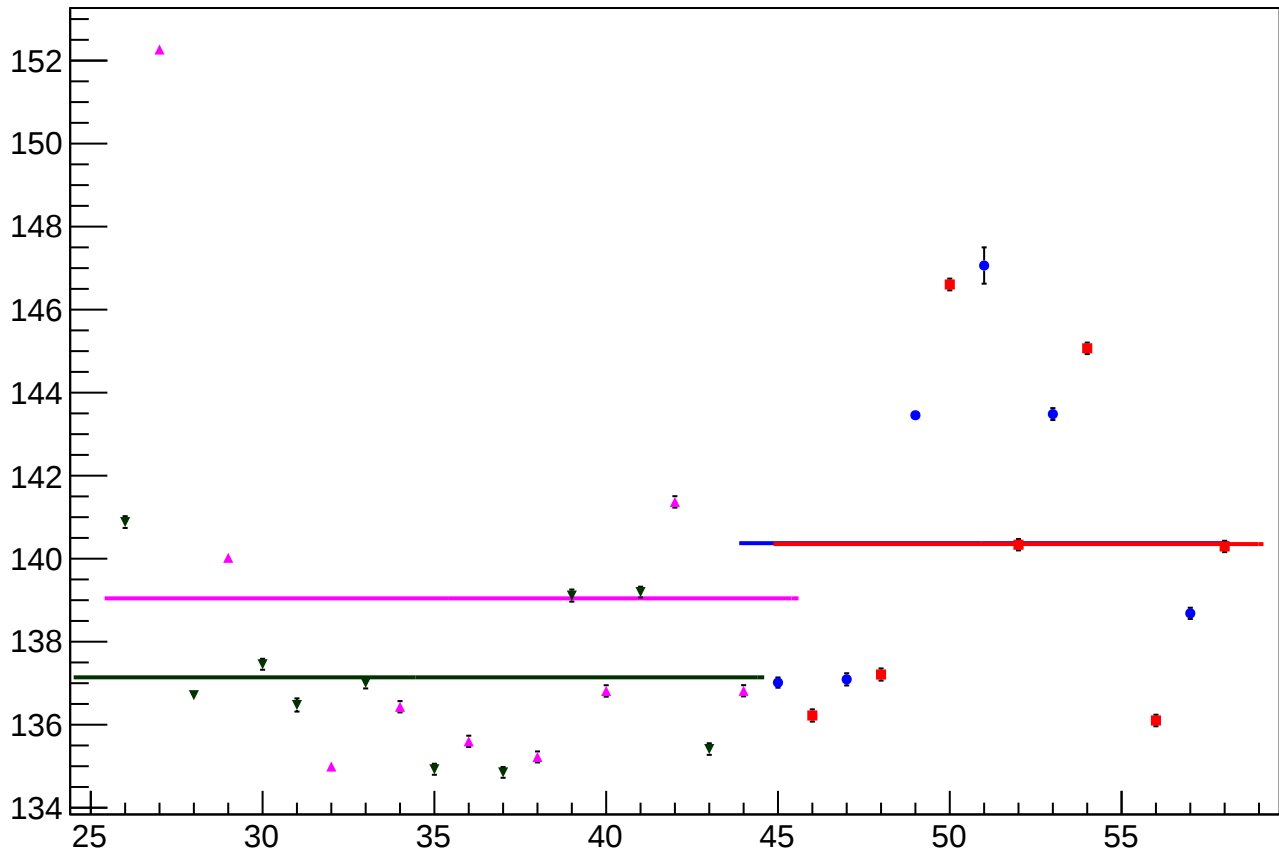
Right Out: -482.498 ± 75.240 $\chi^2/\text{NDF}: 3.9/6$

Left In: -464.347 ± 58.554 $\chi^2/\text{NDF}: 8.3/8$

635.816 ± 48.064 $\chi^2/\text{NDF}: 14.5/15$

-471.193 ± 46.209 $\chi^2/\text{NDF}: 12.2/15$

reg_asym_usl_rms vs slug



Right In: 140.373 ± 0.057 χ^2/NDF : 2955.5/5

Left Out: 137.141 ± 0.042 χ^2/NDF : 1909.5/9

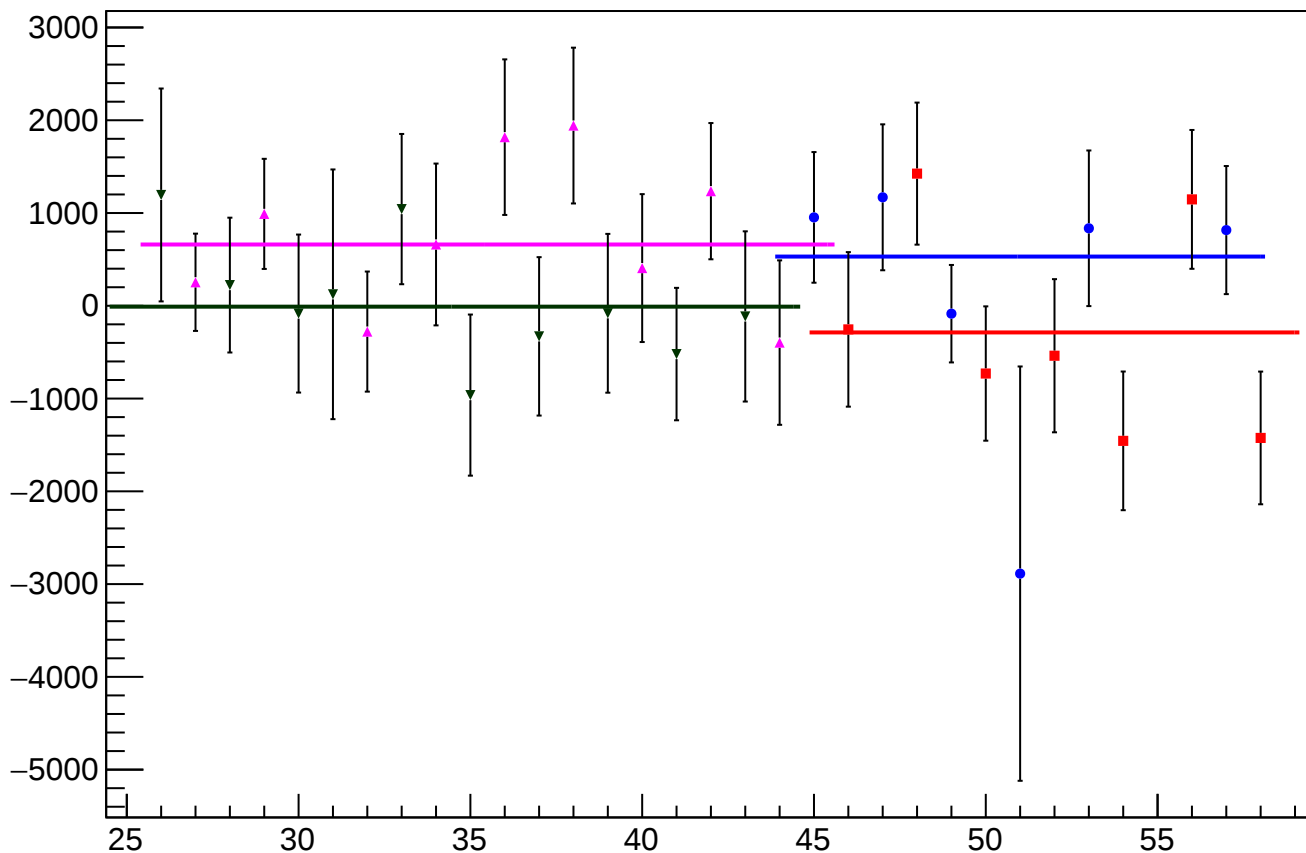
Right Out: 140.352 ± 0.053 χ^2/NDF : 5291.1/6

Left In: 139.044 ± 0.041 χ^2/NDF : 17232.5/8

138.301 ± 0.034 χ^2/NDF : 6945.7/15

139.537 ± 0.033 χ^2/NDF : 22899.8/15

asym_usl_correction_mean vs slug



Right In: 530.598 $\pm$ 301.832 χ^2 /NDF: 5.0/5

Left Out: -9.377 $\pm$ 273.969 χ^2 /NDF: 4.8/9

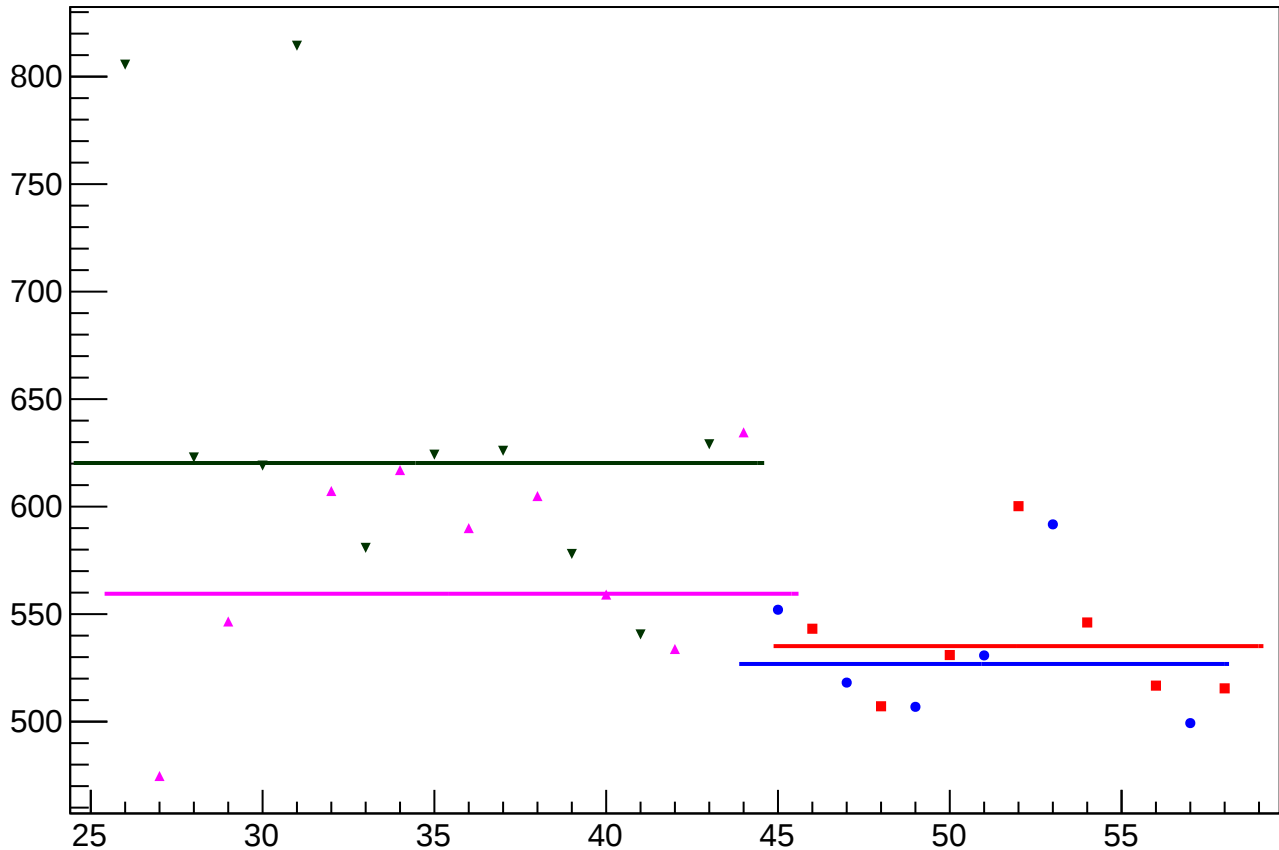
Right Out: -287.218 $\pm$ 288.041 χ^2 /NDF: 14.1/6

Left In: 660.643 $\pm$ 237.559 χ^2 /NDF: 9.4/8

234.542 $\pm$ 202.862 χ^2 /NDF: 11.6/15

276.920 $\pm$ 183.270 χ^2 /NDF: 29.9/15

asym_usl_correction_rms vs slug



Right In: 526.820 $\pm$ 0.213 χ^2 /NDF: 20856.1/5

Left Out: 620.292 $\pm$ 0.194 χ^2 /NDF:128669.8/9

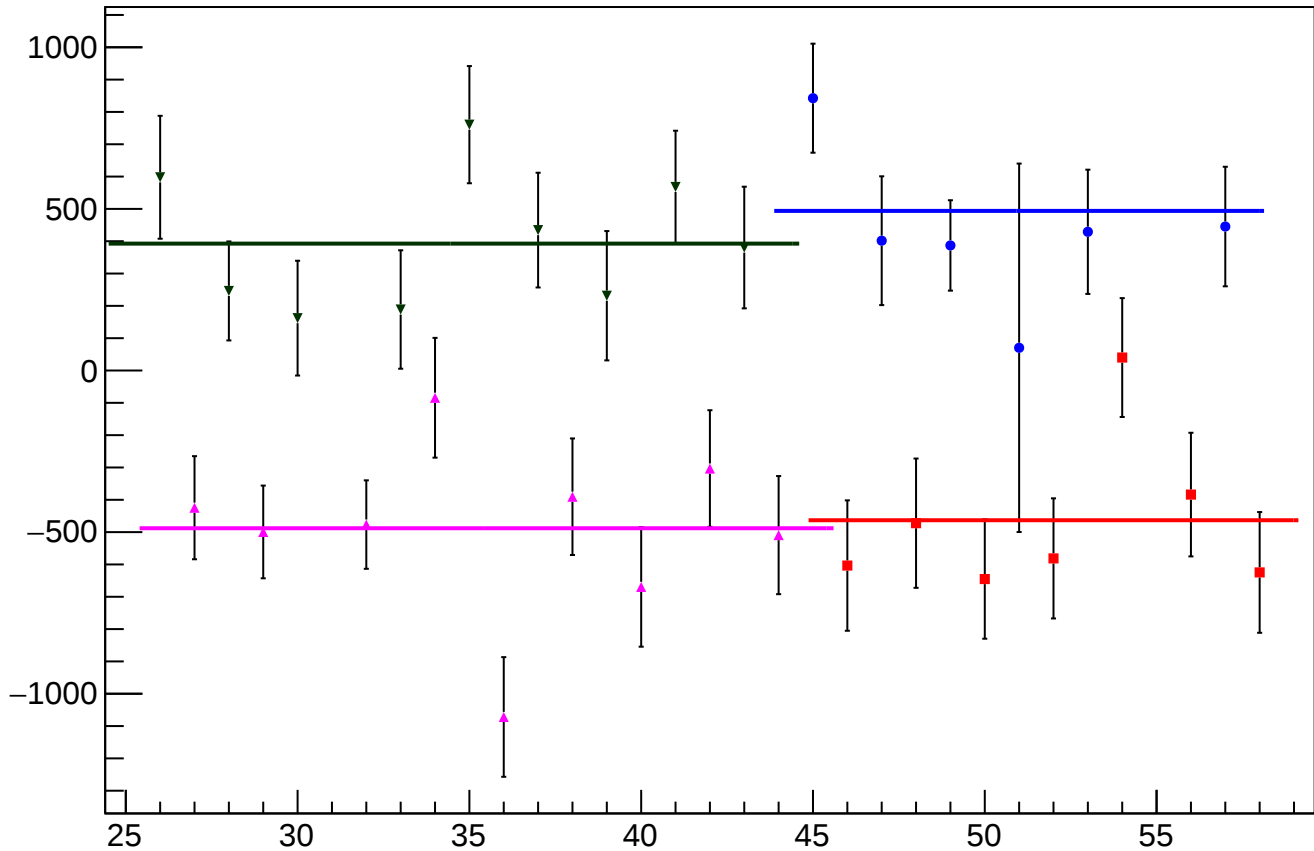
Right Out: 535.119 $\pm$ 0.204 χ^2 /NDF: 18509.2/6

Left In: 559.478 $\pm$ 0.168 χ^2 /NDF:98135.2/8

578.069 $\pm$ 0.143 χ^2 /NDF: 254688.7/15

549.617 $\pm$ 0.130 χ^2 /NDF: 125157.2/15

reg_asym_usr_mean vs slug



Right In: 493.814 $\pm$ 76.496 χ^2/NDF : 5.8/5

Left Out: 392.566 $\pm$ 59.735 χ^2/NDF :10.8/8

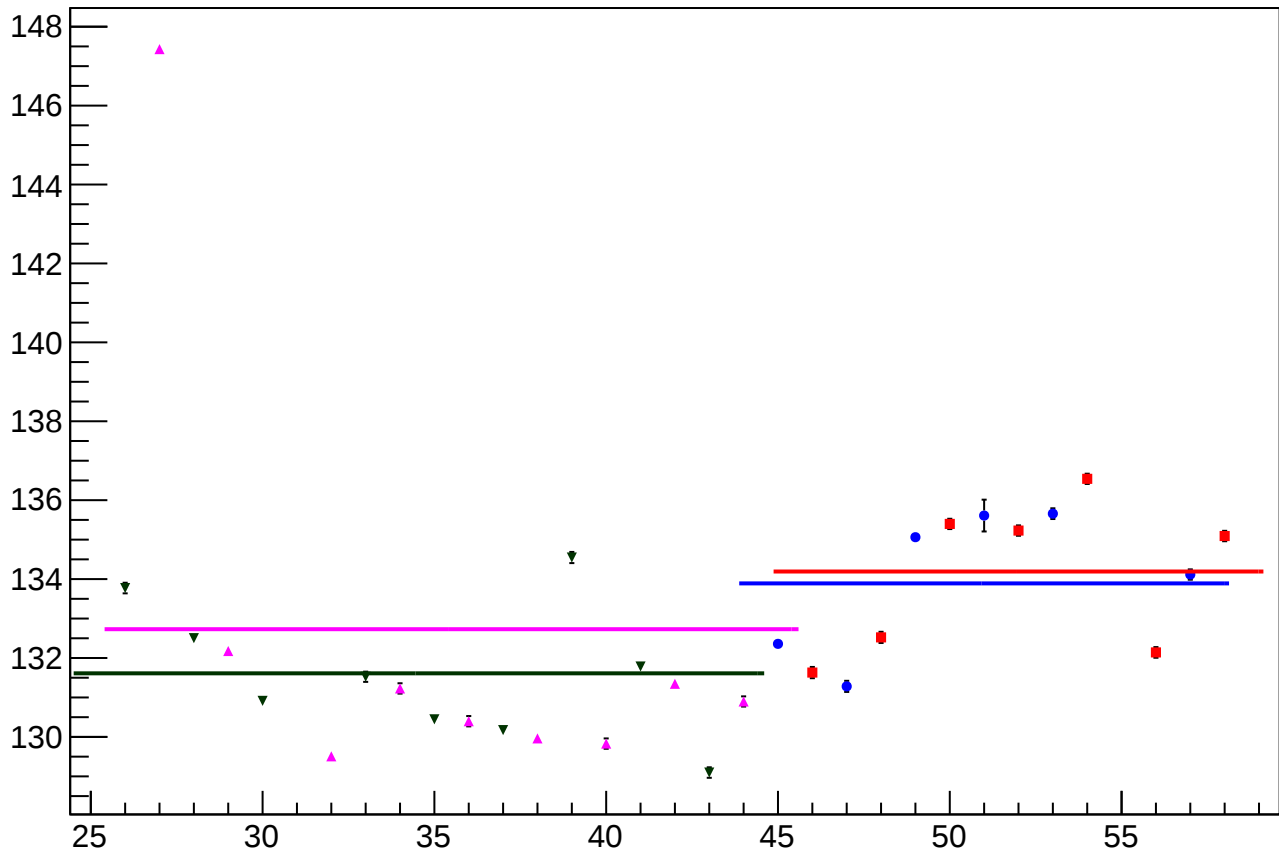
Right Out: -463.236 $\pm$ 71.893 χ^2/NDF : 10.3/6

Left In: -487.989 $\pm$ 55.878 χ^2/NDF :17.2/8

430.919 $\pm$ 47.081 χ^2/NDF : 17.7/14

-478.667 $\pm$ 44.119 χ^2/NDF : 27.5/15

reg_asym_usr_rms vs slug



Right In: 133.891 ± 0.054 χ^2/NDF : 838.9/5

Left Out: 131.612 ± 0.042 χ^2/NDF : 1361.4/8

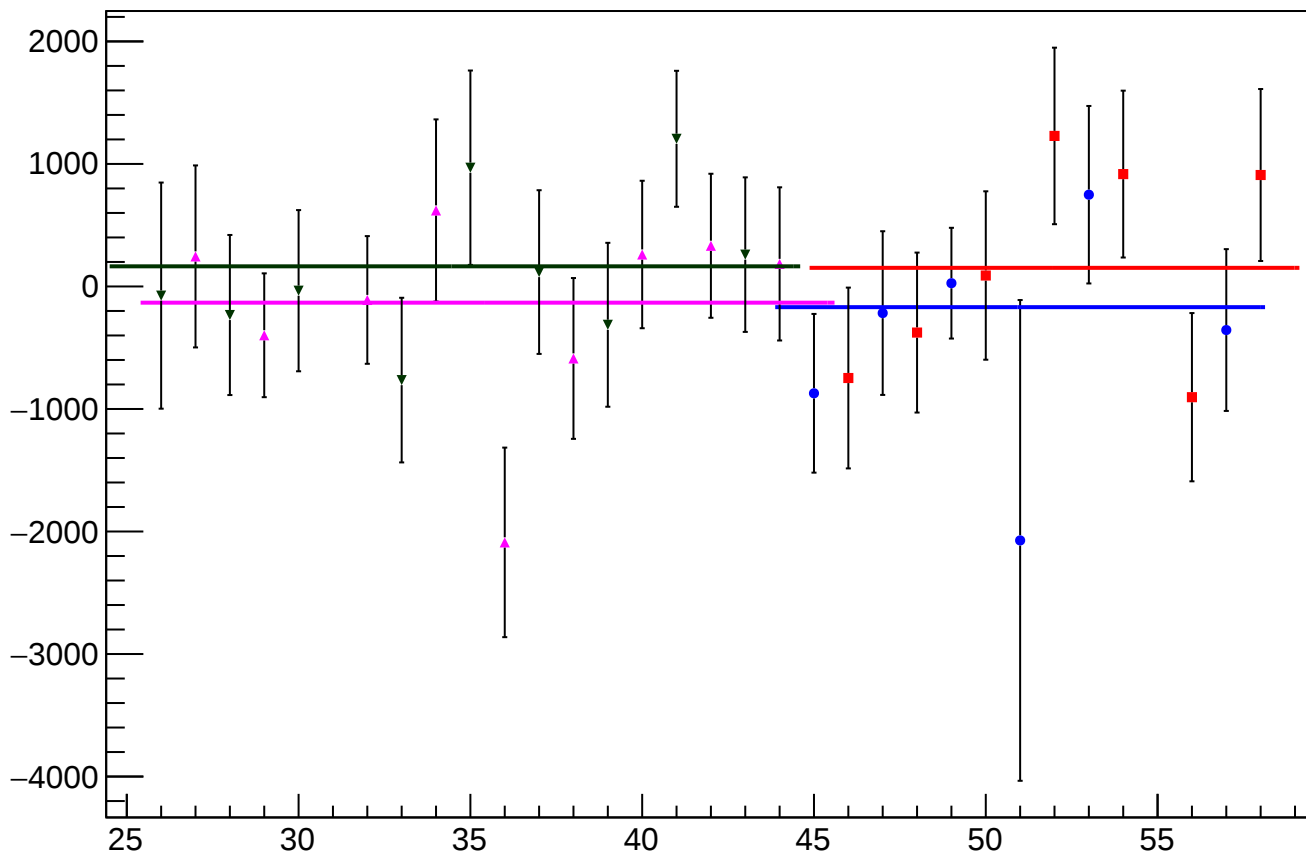
Right Out: 134.192 ± 0.051 χ^2/NDF : 1212.2/6

Left In: 132.730 ± 0.040 χ^2/NDF : 19860.4/8

132.475 ± 0.033 χ^2/NDF : 3303.3/14

133.281 ± 0.031 χ^2/NDF : 21588.2/15

asym_usr_correction_mean vs slug



Right In: -168.924 ± 267.459 χ^2/NDF : 4.0/5

Left Out: 164.304 ± 224.343 χ^2/NDF : 7.5/8

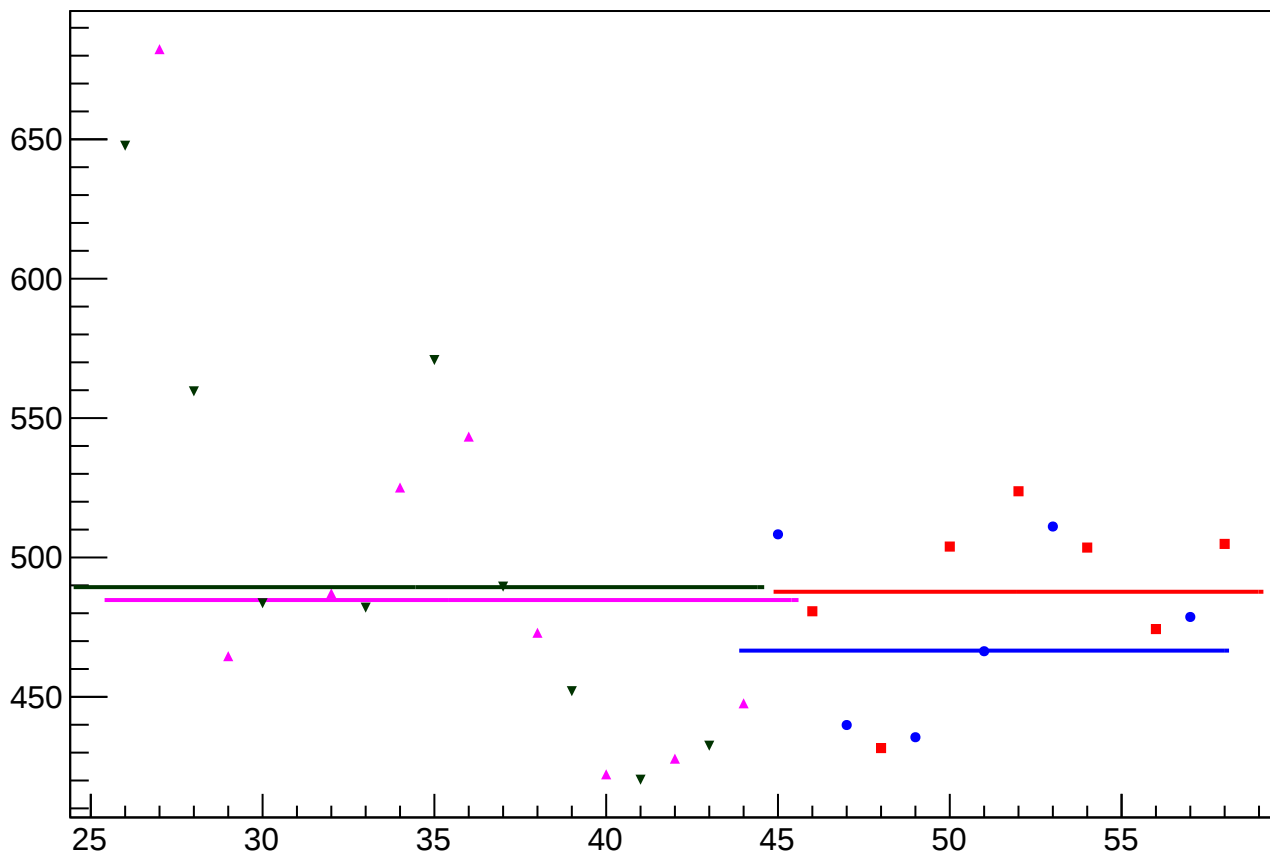
Right Out: 151.982 ± 262.290 χ^2/NDF : 9.2/6

Left In: -132.313 ± 206.592 χ^2/NDF : 9.7/8

26.680 ± 171.883 χ^2/NDF : 12.4/14

-23.466 ± 162.295 χ^2/NDF : 19.6/15

asym_usr_correction_rms vs slug



Right In: 466.593+/-0.189 χ^2/NDF : 29157.7/5

Left Out: 489.361+/-0.159 χ^2/NDF :156953.9/8

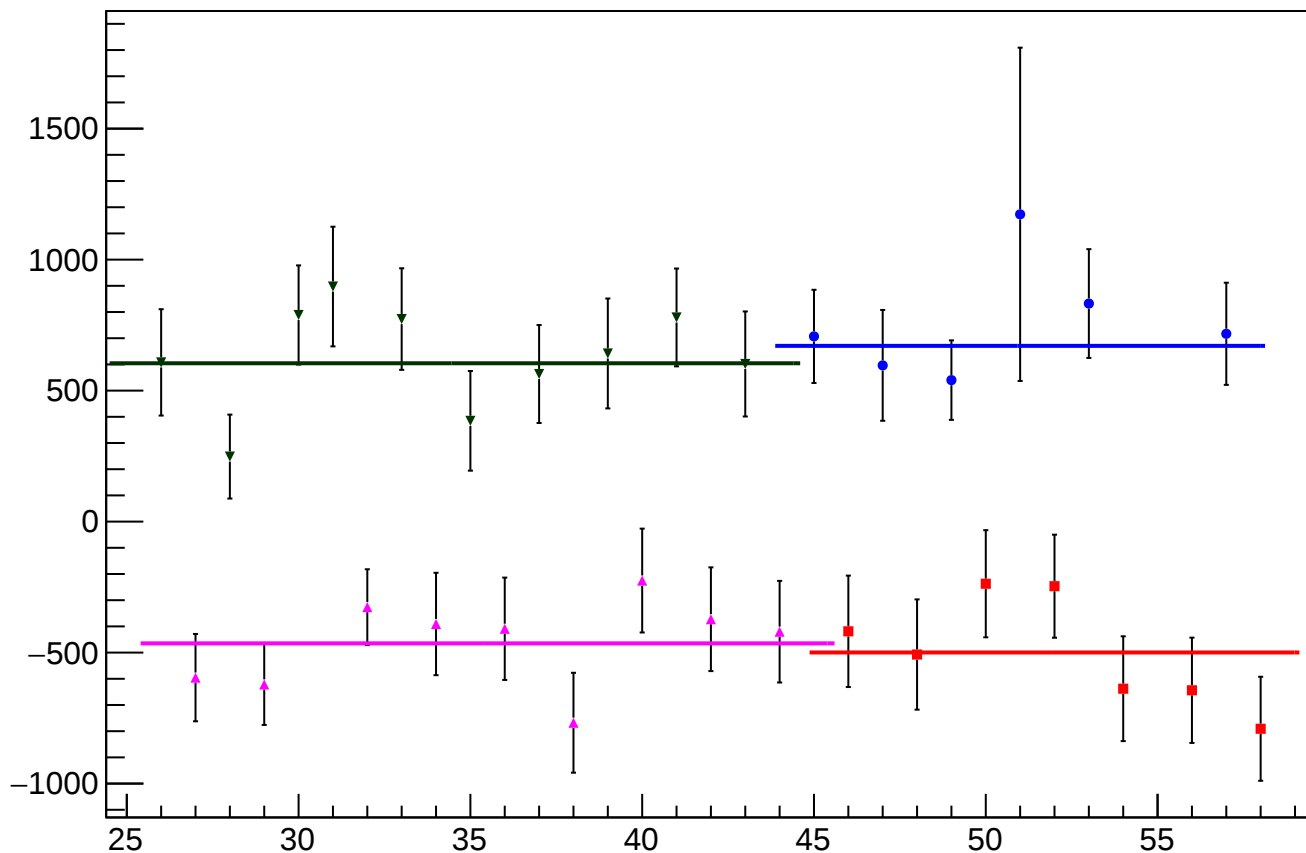
Right Out: 487.704+/-0.185 χ^2/NDF : 24093.0/6

Left In: 484.733+/-0.146 χ^2/NDF :210159.4/8

479.958+/-0.122 χ^2/NDF : 194619.4/14

485.870+/-0.115 χ^2/NDF : 234410.8/15

reg_asym_dsl_mean vs slug



Right In: 670.826 ± 81.820 χ^2/NDF : 2.2/5

Left Out: 604.421 ± 60.916 χ^2/NDF : 10.6/9

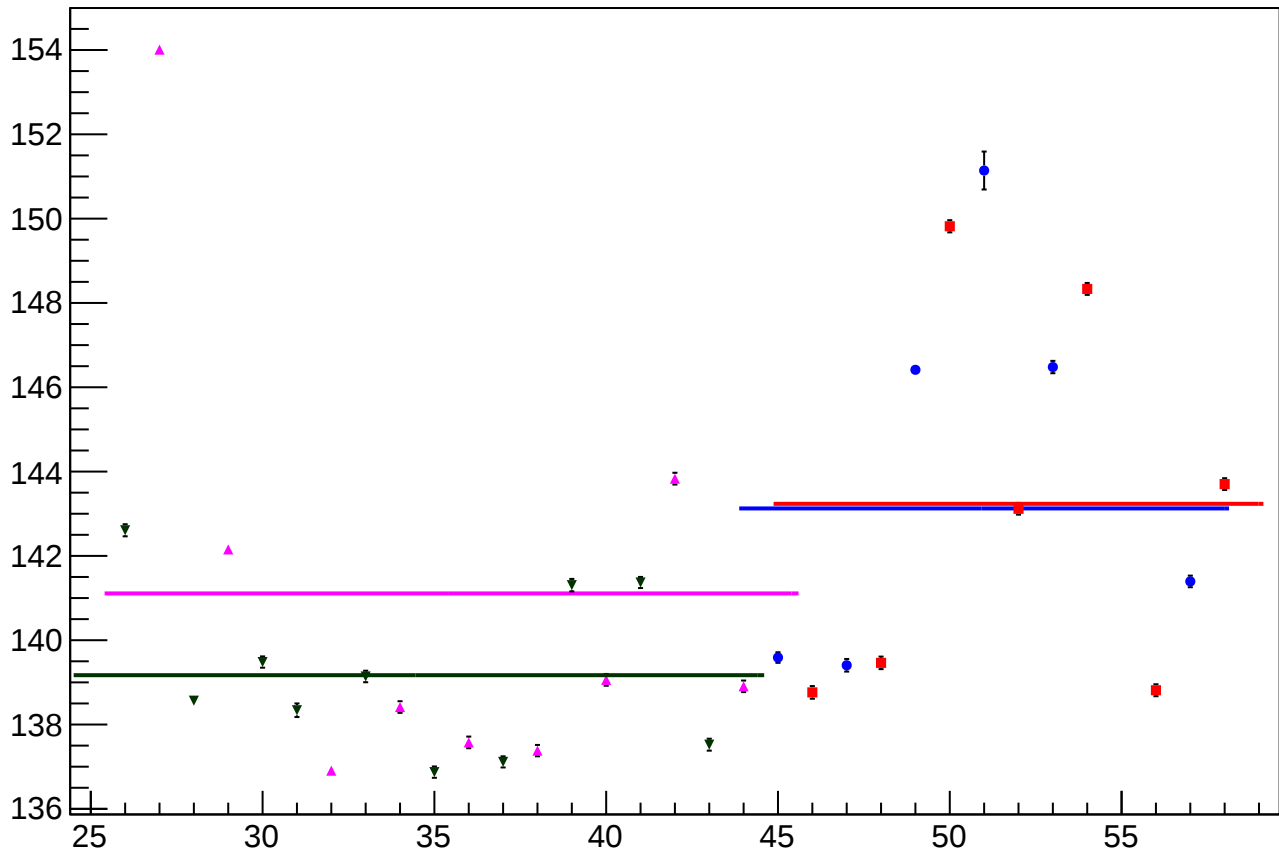
Right Out: -499.520 ± 76.795 χ^2/NDF : 6.6/6

Left In: -464.676 ± 59.428 χ^2/NDF : 7.0/8

628.103 ± 48.861 χ^2/NDF : 13.2/15

-477.727 ± 46.999 χ^2/NDF : 13.8/15

reg_asym_dsl_rms vs slug



Right In: 143.126+/-0.058 χ^2/NDF : 3346.1/5

Left Out: 139.170+/-0.043 χ^2/NDF : 1788.1/9

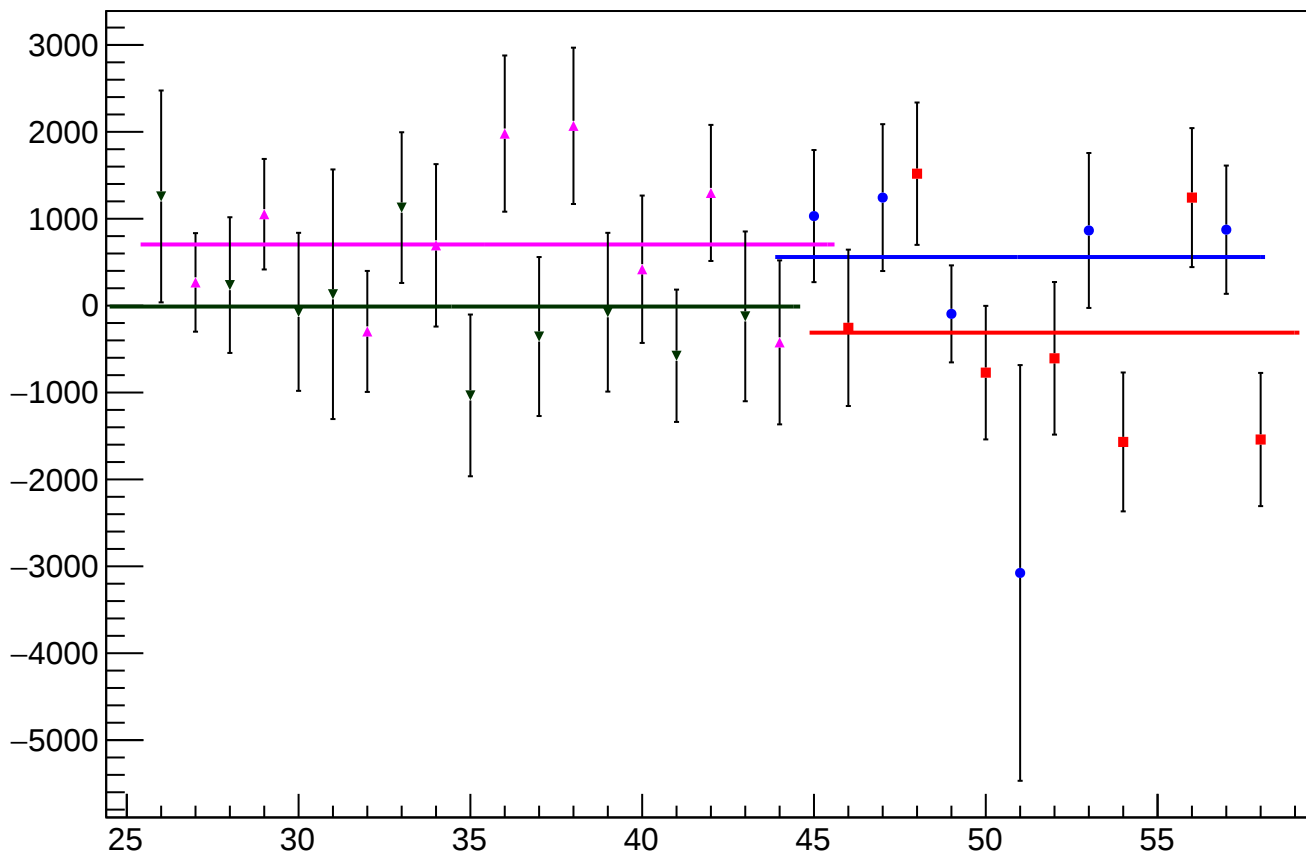
Right Out: 143.235+/-0.054 χ^2/NDF : 5879.0/6

Left In: 141.110+/-0.042 χ^2/NDF : 16409.1/8

140.581+/-0.035 χ^2/NDF : 8141.1/15

141.906+/-0.033 χ^2/NDF : 23246.1/15

asym_dsl_correction_mean vs slug



Right In: 559.422+/-322.615 χ^2/NDF : 5.0/5

Left Out: -10.463+/-292.895 χ^2/NDF : 4.8/9

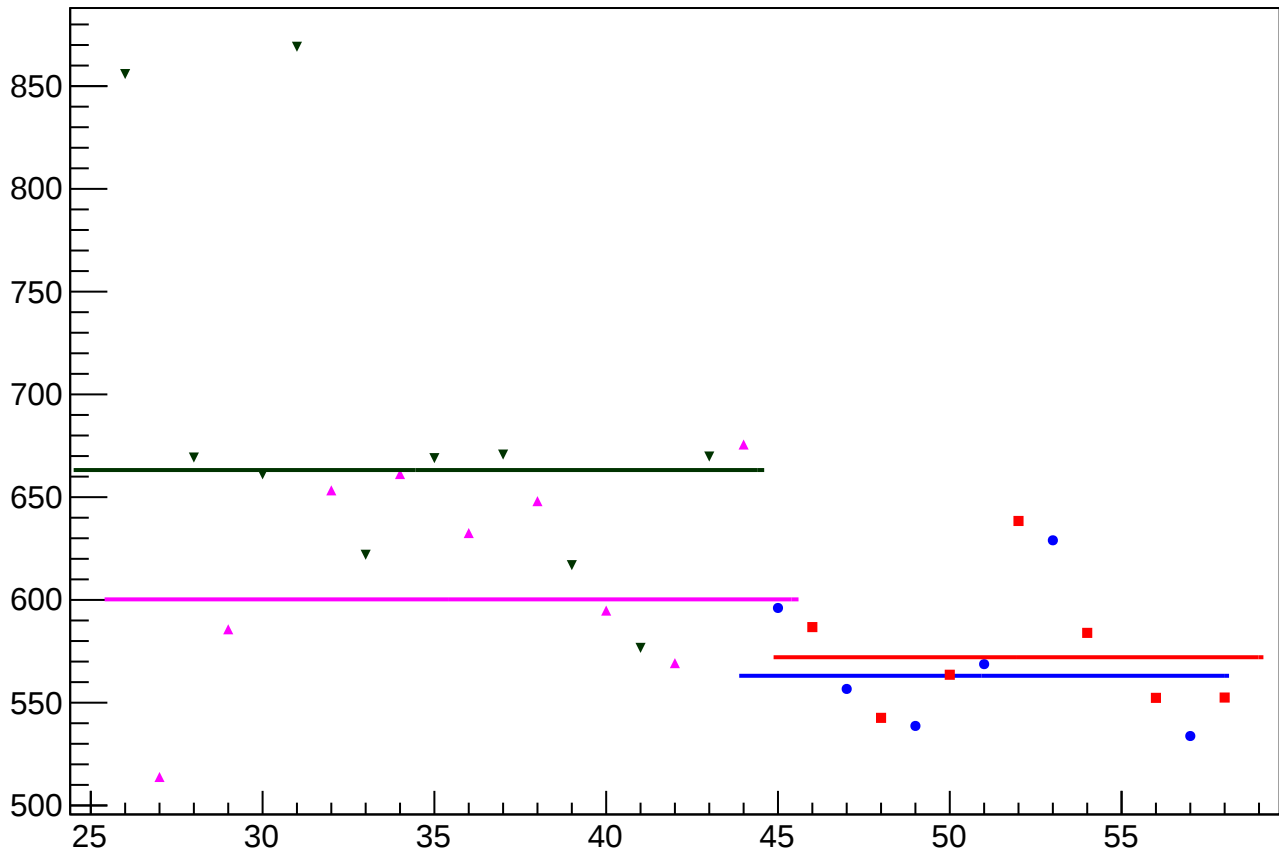
Right Out: -310.963+/-307.918 χ^2/NDF : 14.3/6

Left In: 703.901+/-254.767 χ^2/NDF : 9.4/8

247.027+/-216.856 χ^2/NDF : 11.6/15

291.485+/-196.290 χ^2/NDF : 30.1/15

asym_dsl_correction_rms vs slug



Right In: 563.088+/-0.228 χ^2/NDF : 21801.6/5

Left Out: 663.196+/-0.207 χ^2/NDF :126991.2/9

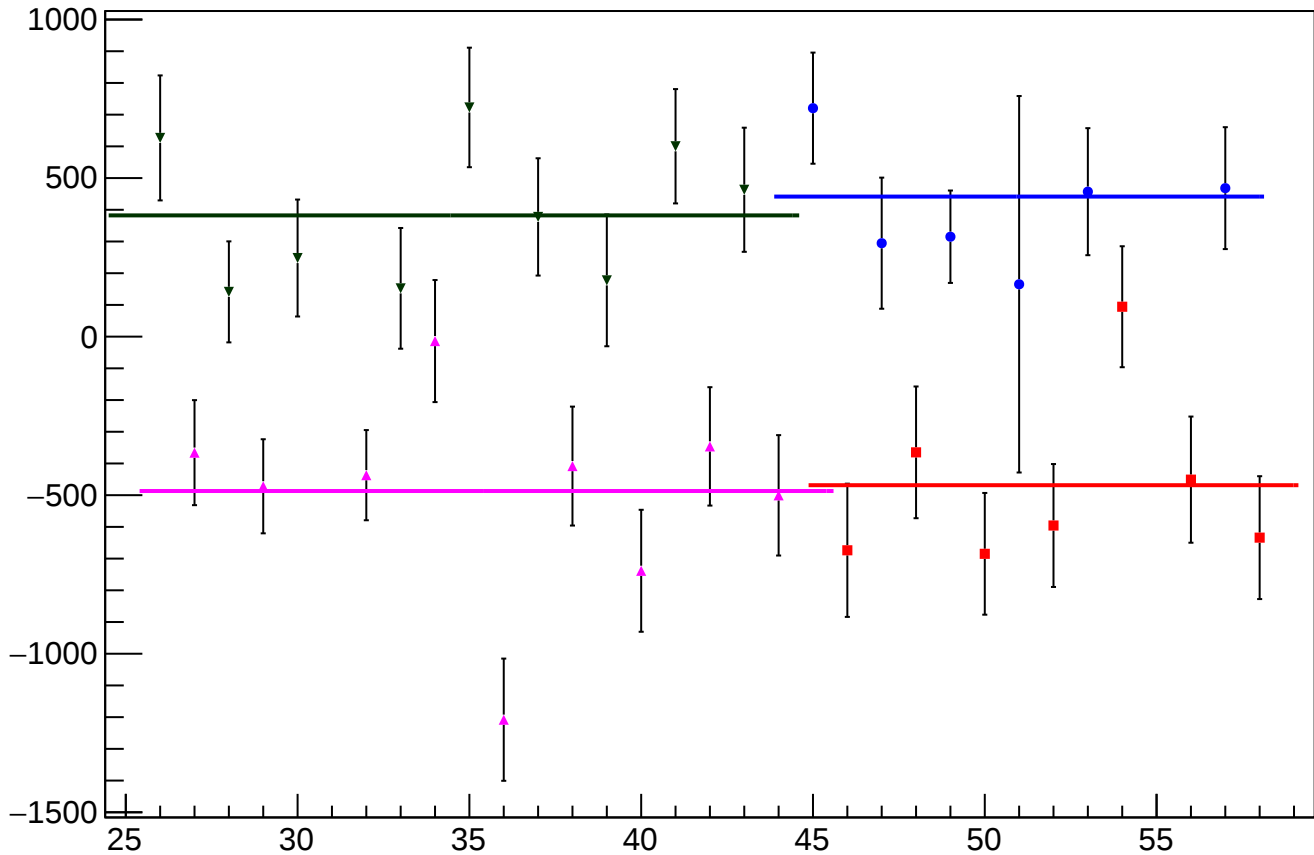
Right Out: 572.116+/-0.218 χ^2/NDF : 17743.7/6

Left In: 600.267+/-0.180 χ^2/NDF :91809.8/8

617.965+/-0.153 χ^2/NDF : 254356.9/15

588.827+/-0.139 χ^2/NDF : 119477.0/15

reg_asym_dsr_mean vs slug



Right In: 441.648 $\pm$ 79.582 χ^2/NDF : 4.0/5

Left Out: 382.318 $\pm$ 62.068 χ^2/NDF : 11.7/8

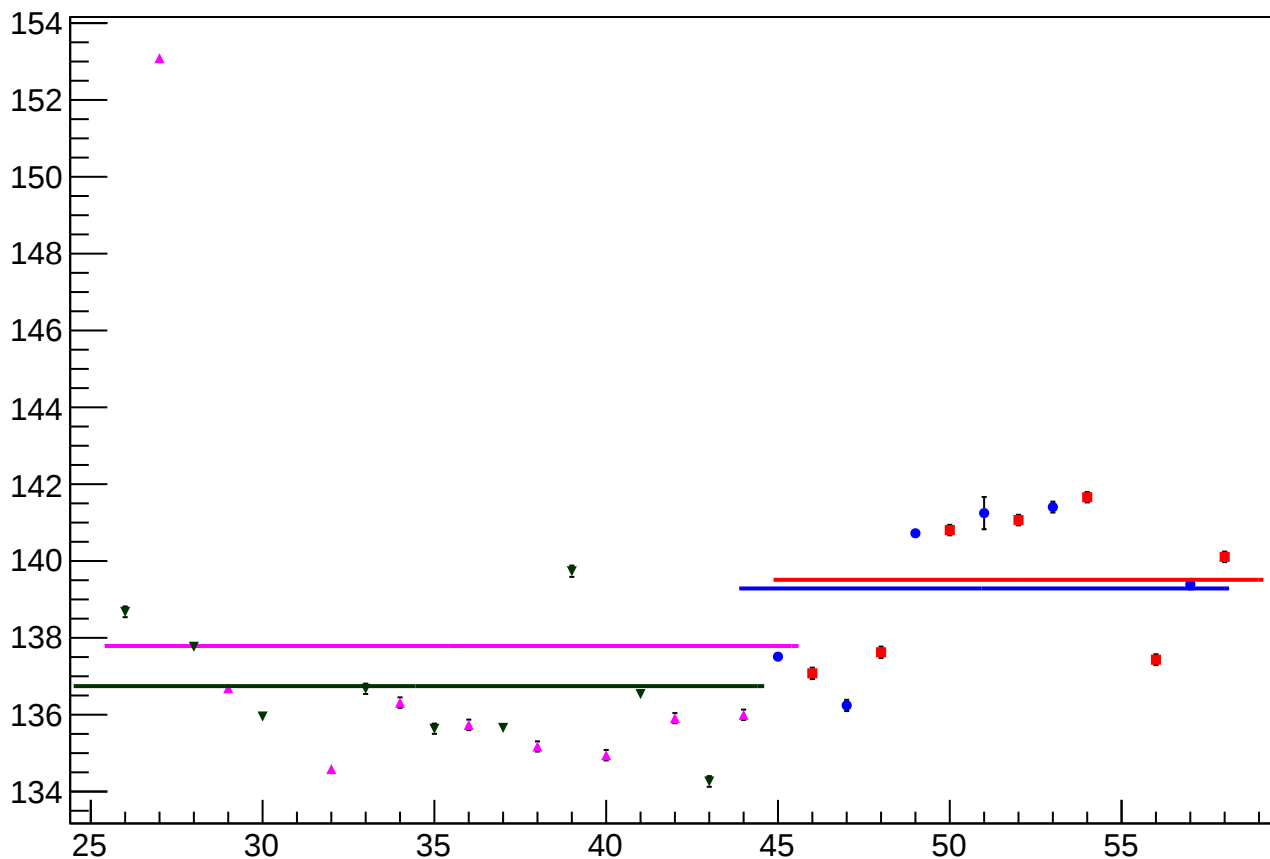
Right Out: -468.532 $\pm$ 74.745 χ^2/NDF : 12.3/6

Left In: -486.864 $\pm$ 58.008 χ^2/NDF : 23.2/8

404.757 $\pm$ 48.943 χ^2/NDF : 16.1/14

-479.973 $\pm$ 45.826 χ^2/NDF : 35.6/15

reg_asym_dsr_rms vs slug



Right In: 139.286 ± 0.056 χ^2/NDF : 1079.2/5

Left Out: 136.744 ± 0.044 χ^2/NDF : 1188.8/8

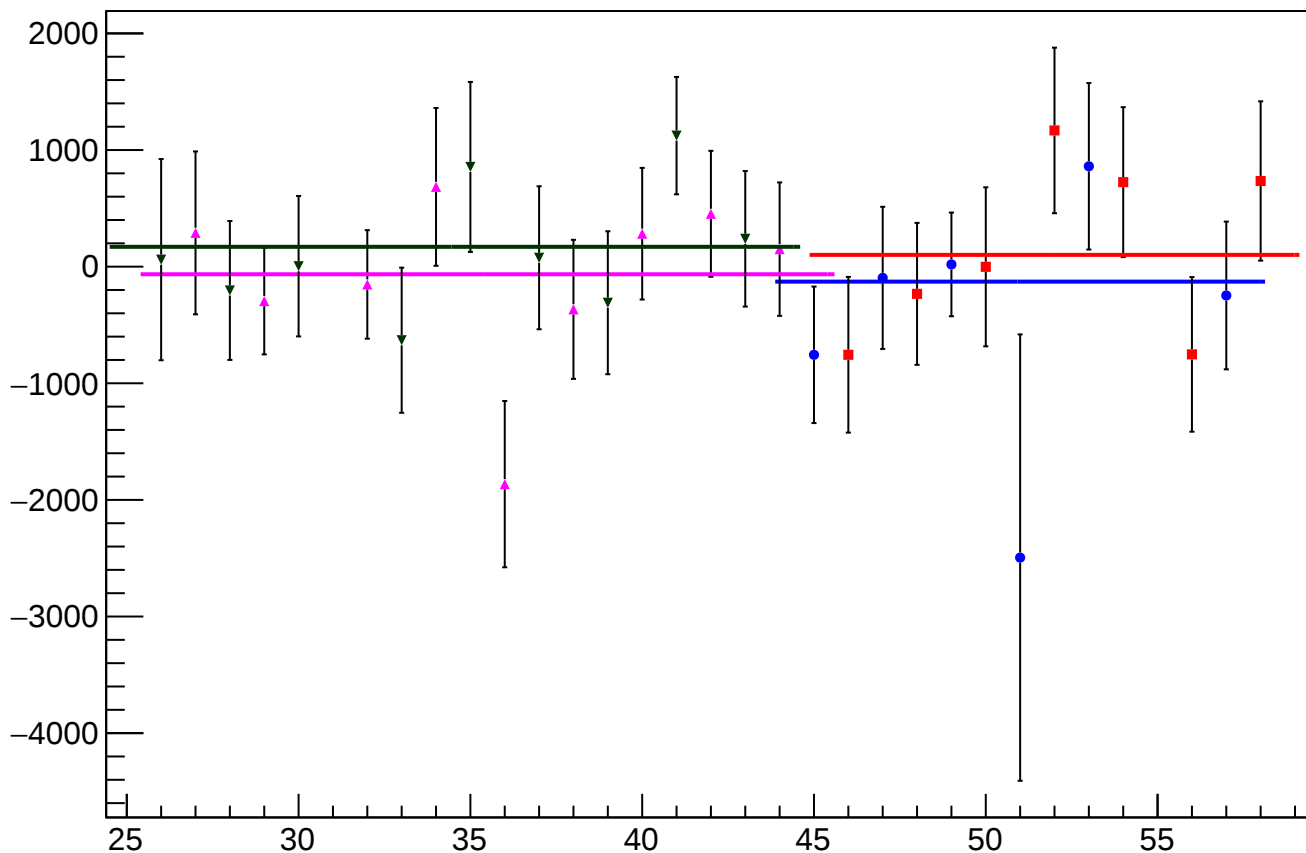
Right Out: 139.511 ± 0.053 χ^2/NDF : 1144.5/6

Left In: 137.788 ± 0.041 χ^2/NDF : 19747.4/8

137.705 ± 0.035 χ^2/NDF : 3536.6/14

138.436 ± 0.032 χ^2/NDF : 21555.5/15

asym_dsr_correction_mean vs slug



Right In: -128.386+/-254.828 χ^2/NDF : 4.7/5

Left Out: 170.118+/-205.740 χ^2/NDF : 7.3/8

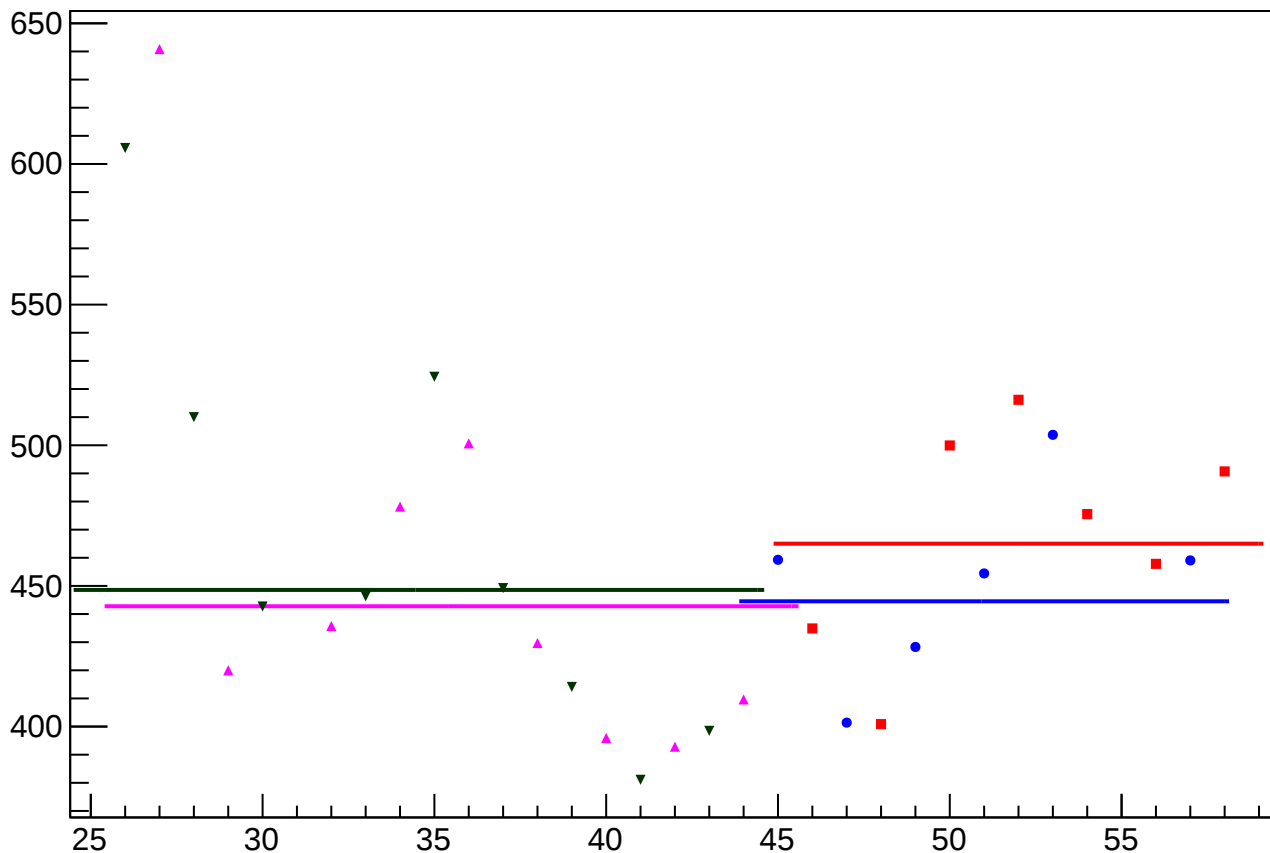
Right Out: 100.981+/-250.601 χ^2/NDF : 7.7/6

Left In: -65.142+/-188.837 χ^2/NDF : 9.8/8

52.324+/-160.079 χ^2/NDF : 12.8/14

-4.977+/-150.813 χ^2/NDF : 17.8/15

asym_dsr_correction_rms vs slug



Right In: 444.528 $\pm$ 0.180 χ^2/NDF : 28811.4/5

Left Out: 448.574 $\pm$ 0.145 χ^2/NDF :166684.5/8

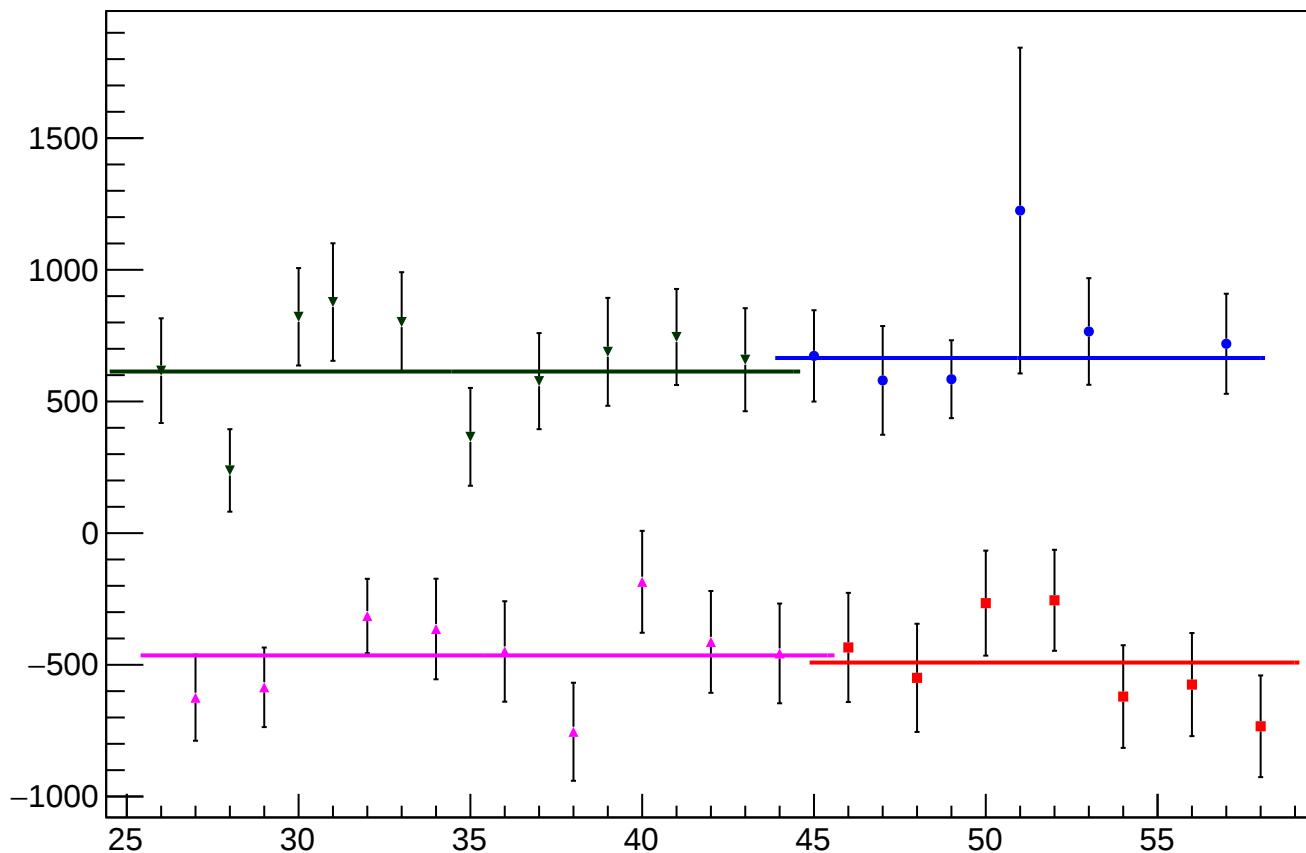
Right Out: 465.018 $\pm$ 0.177 χ^2/NDF : 45532.9/6

Left In: 442.773 $\pm$ 0.134 χ^2/NDF :223505.8/8

446.977 $\pm$ 0.113 χ^2/NDF : 195801.1/14

450.830 $\pm$ 0.107 χ^2/NDF : 279090.5/15

reg_asym_left_avg_mean vs slug



Right In: 665.116 $\pm$ 79.774 χ^2 /NDF: 1.6/5

Left Out: 613.726 $\pm$ 59.519 χ^2 /NDF:11.9/9

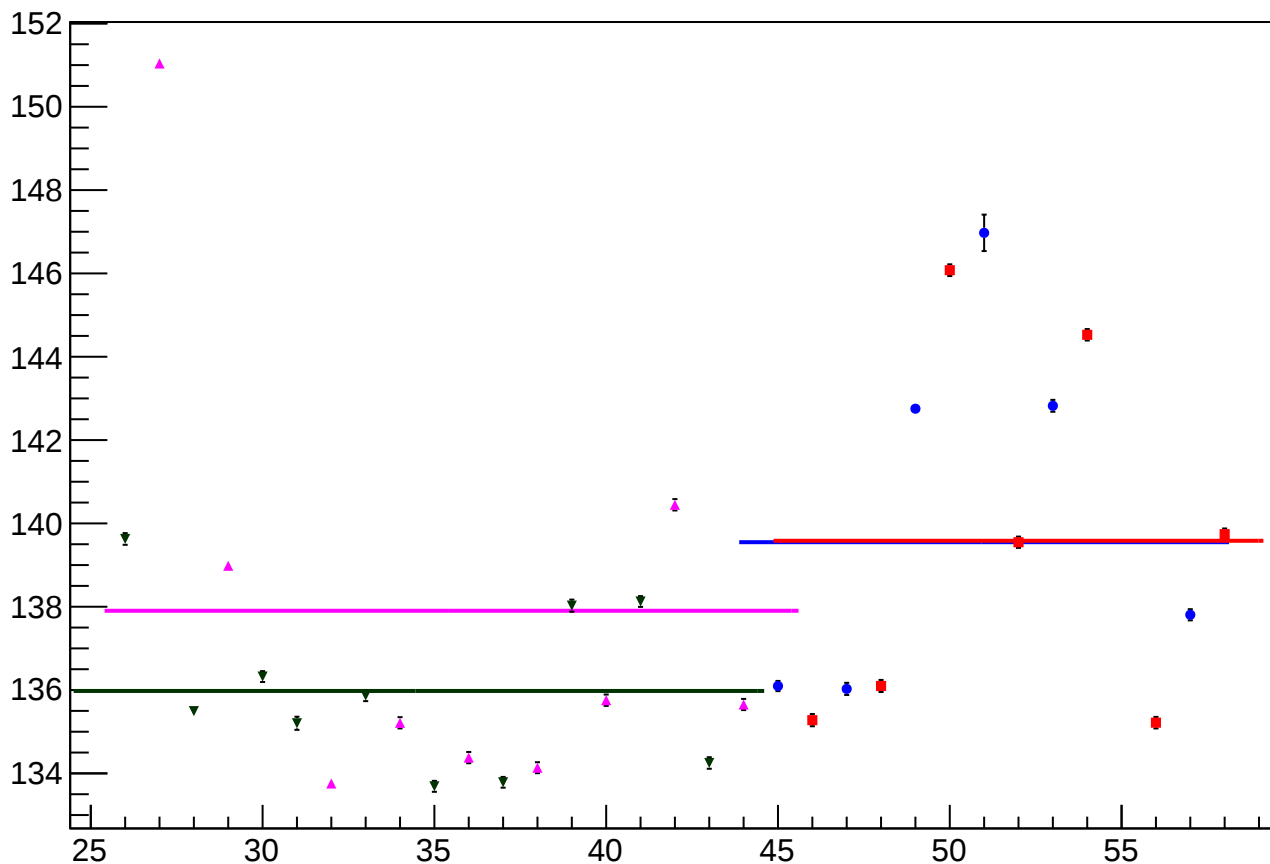
Right Out: -491.456 $\pm$ 74.836 χ^2 /NDF: 5.1/6

Left In: -464.245 $\pm$ 58.079 χ^2 /NDF:7.6/8

632.103 $\pm$ 47.705 χ^2 /NDF: 13.8/15

-474.474 $\pm$ 45.883 χ^2 /NDF: 12.8/15

reg_asym_left_avg_rms vs slug



Right In: 139.549+/-0.056 χ^2/NDF : 3292.2/5

Left Out: 135.978+/-0.042 χ^2/NDF :1950.2/9

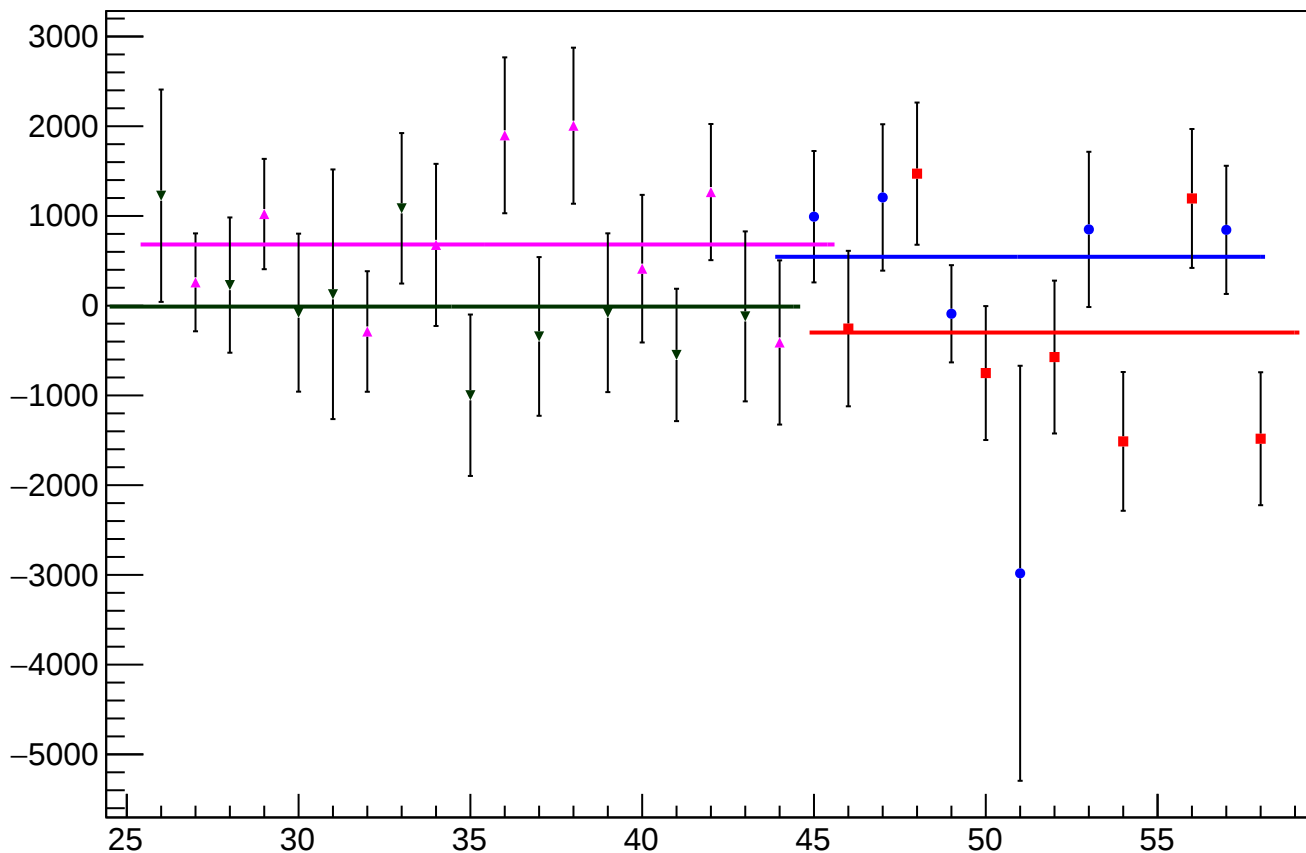
Right Out: 139.583+/-0.053 χ^2/NDF : 5843.2/6

Left In: 137.903+/-0.041 χ^2/NDF :17511.1/8

137.255+/-0.034 χ^2/NDF : 7816.5/15

138.535+/-0.032 χ^2/NDF : 23983.3/15

asym_left_avg_correction_mean vs slug



Right In: 545.029 $\pm$ 312.213 χ^2 /NDF: 5.0/5

Left Out: -9.921 $\pm$ 283.426 χ^2 /NDF: 4.8/9

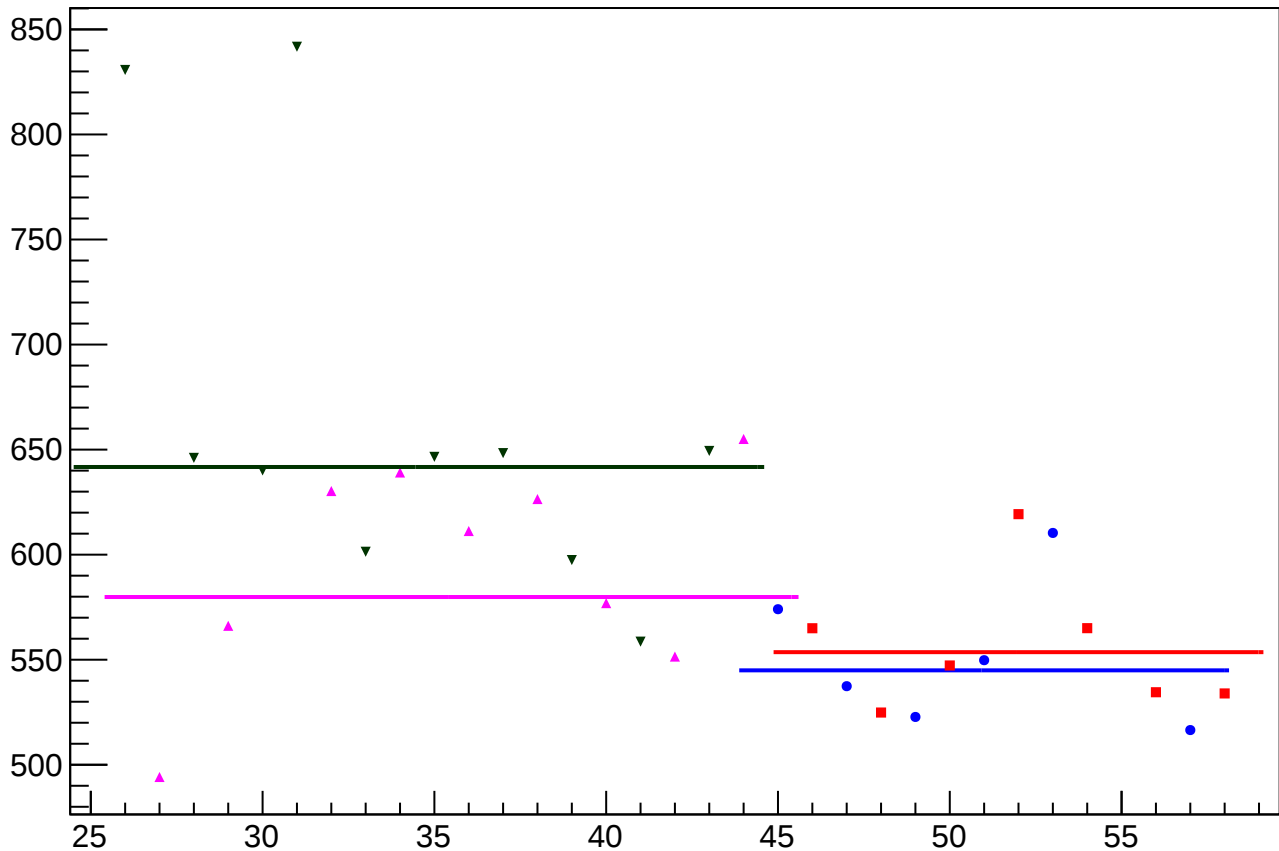
Right Out: -299.077 $\pm$ 297.967 χ^2 /NDF: 14.2/6

Left In: 682.257 $\pm$ 246.151 χ^2 /NDF: 9.4/8

240.796 $\pm$ 209.853 χ^2 /NDF: 11.6/15

284.201 $\pm$ 189.772 χ^2 /NDF: 30.0/15

asym_left_avg_correction_rms vs slug



Right In: 544.938+/-0.221 χ^2/NDF : 21290.4/5

Left Out: 641.730+/-0.200 χ^2/NDF :127789.4/9

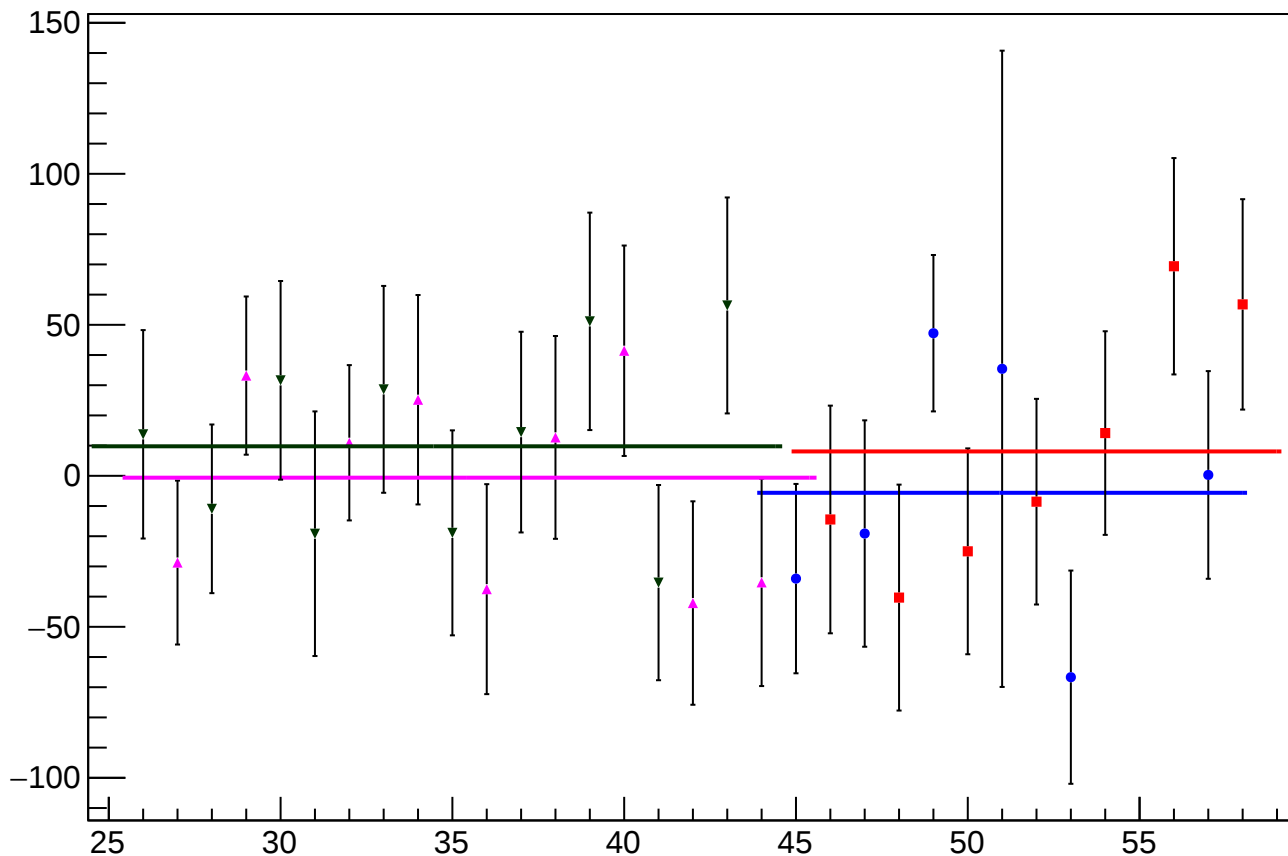
Right Out: 553.595+/-0.211 χ^2/NDF : 18073.7/6

Left In: 579.843+/-0.174 χ^2/NDF :94882.5/8

598.001+/-0.148 χ^2/NDF : 254459.9/15

569.196+/-0.134 χ^2/NDF : 122180.6/15

reg_asym_left_dd_mean vs slug



Right In: -5.622 ± 14.201 χ^2/NDF : 8.3/5

Left Out: 9.773 ± 10.664 χ^2/NDF : 7.5/9

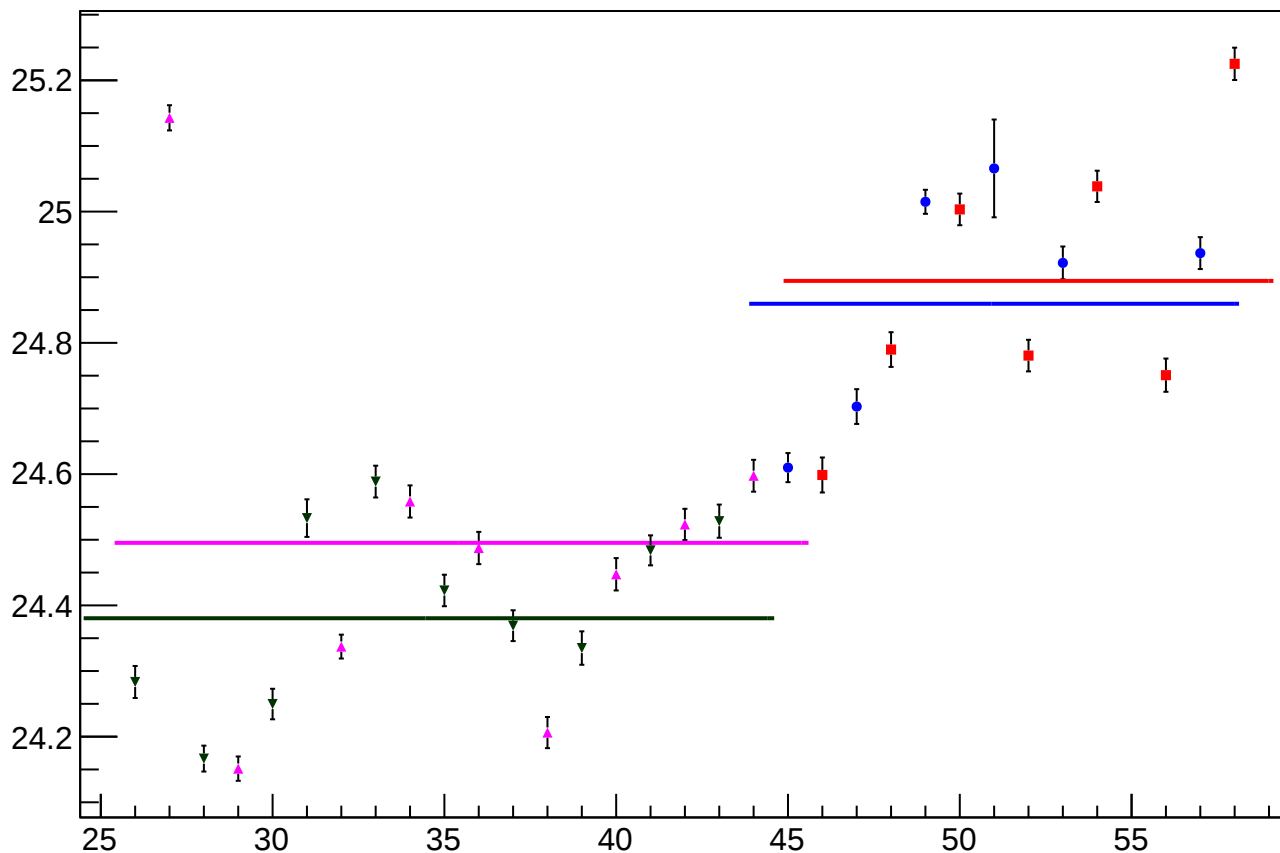
Right Out: 8.073 ± 13.333 χ^2/NDF : 8.1/6

Left In: -0.617 ± 10.300 χ^2/NDF : 8.8/8

4.222 ± 8.527 χ^2/NDF : 16.6/15

2.631 ± 8.151 χ^2/NDF : 17.2/15

reg_asym_left_dd_rms vs slug



Right In: 24.860 $\pm$ 0.010 χ^2 /NDF: 257.7/5

Left Out: 24.380 $\pm$ 0.008 χ^2 /NDF:328.2/9

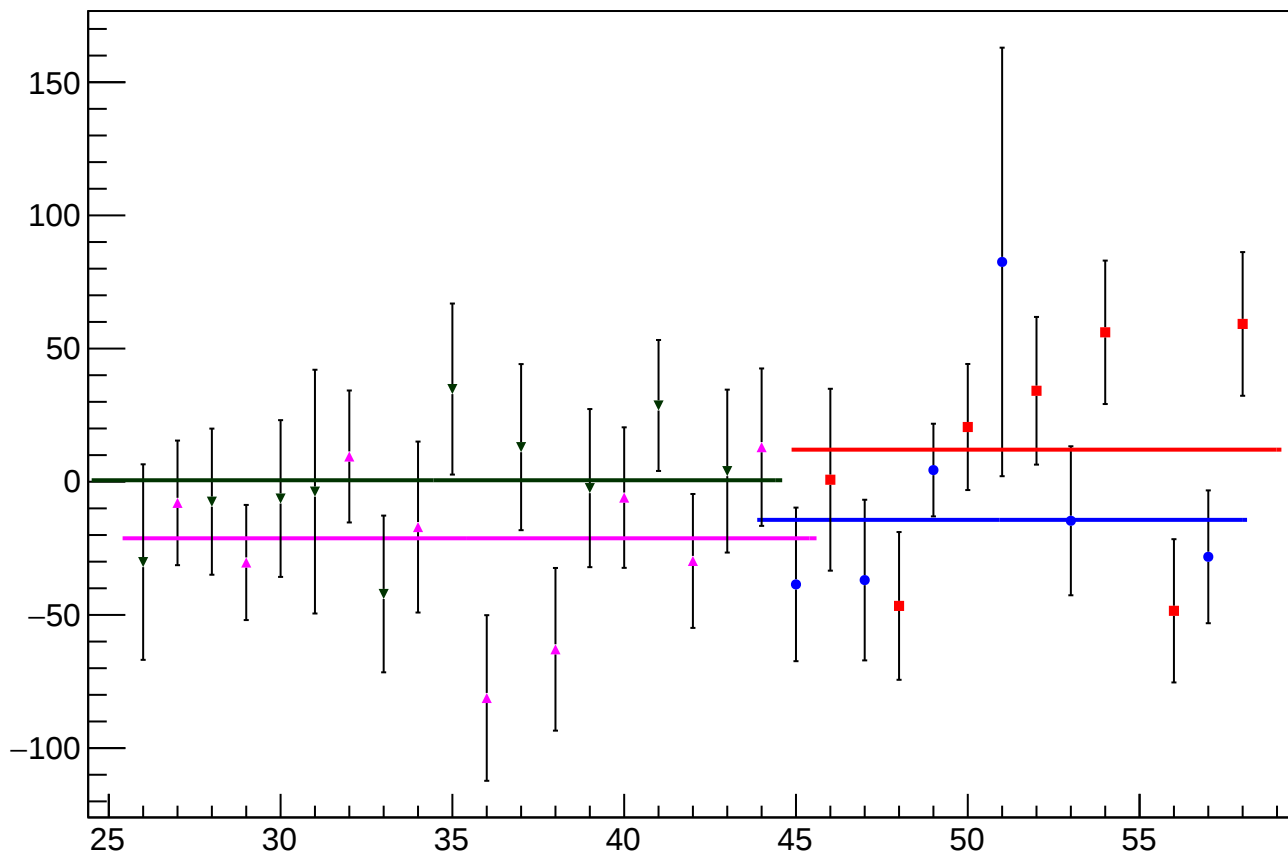
Right Out: 24.894 $\pm$ 0.009 χ^2 /NDF: 430.4/6

Left In: 24.495 $\pm$ 0.007 χ^2 /NDF:1736.8/8

24.553 $\pm$ 0.006 χ^2 /NDF: 2041.9/15

24.644 $\pm$ 0.006 χ^2 /NDF: 3289.6/15

asym_left_dd_correction_mean vs slug



Right In: -14.307 ± 10.752 χ^2/NDF : 4.2/5

Left Out: 0.565 ± 9.660 χ^2/NDF : 5.6/9

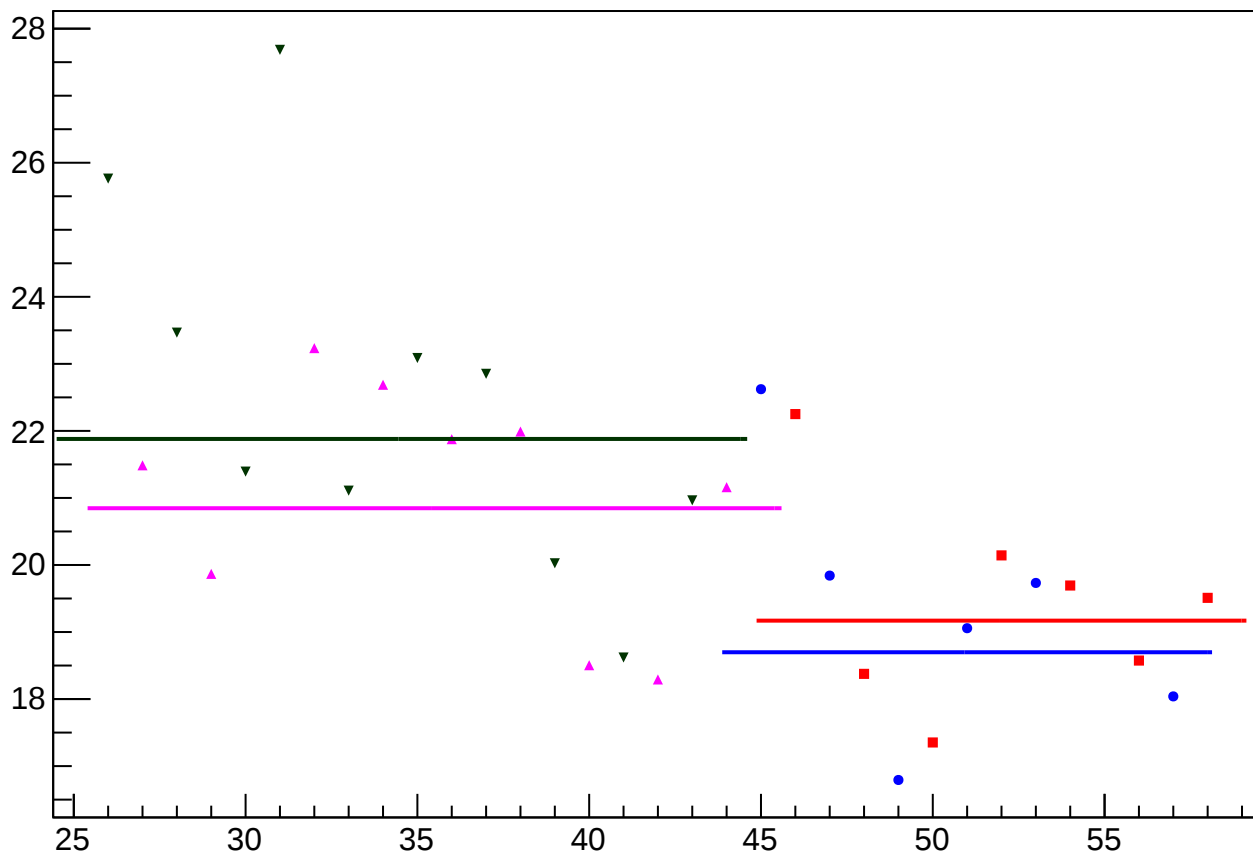
Right Out: 12.049 ± 10.325 χ^2/NDF : 16.1/6

Left In: -21.229 ± 8.825 χ^2/NDF : 9.4/8

-6.078 ± 7.186 χ^2/NDF : 10.8/15

-7.181 ± 6.708 χ^2/NDF : 31.6/15

asym_left_dd_correction_rms vs slug



Right In: 18.698+/-0.008 χ^2/NDF : 68095.3/5

Left Out: 21.880+/-0.007 χ^2/NDF : 112714.4/9

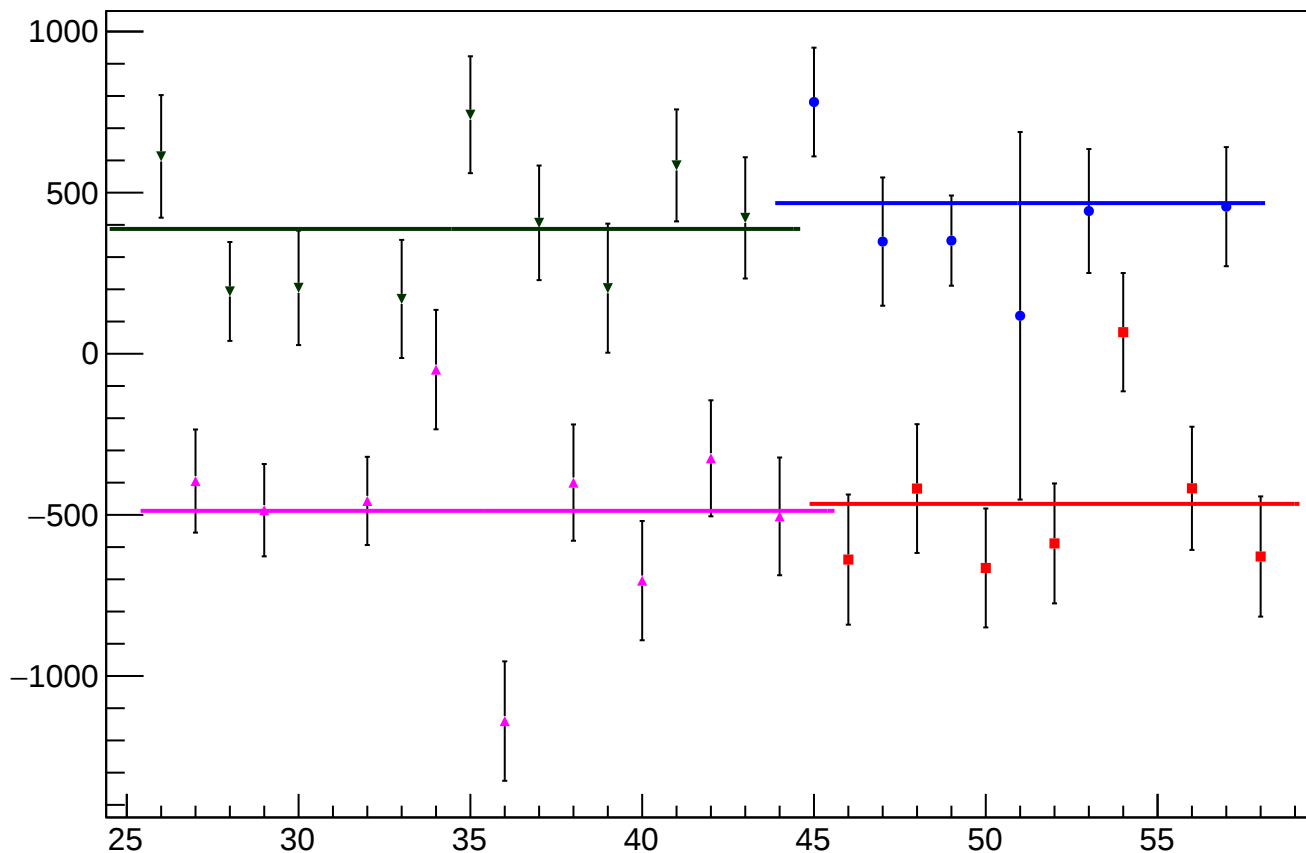
Right Out: 19.170+/-0.007 χ^2/NDF : 34239.2/6

Left In: 20.847+/-0.006 χ^2/NDF : 72407.5/8

20.459+/-0.005 χ^2/NDF : 277726.0/15

20.139+/-0.005 χ^2/NDF : 137133.0/15

reg_asym_right_avg_mean vs slug



Right In: 467.548 $\pm$ 76.516 χ^2/NDF : 4.9/5

Left Out: 387.415 $\pm$ 59.778 χ^2/NDF : 11.5/8

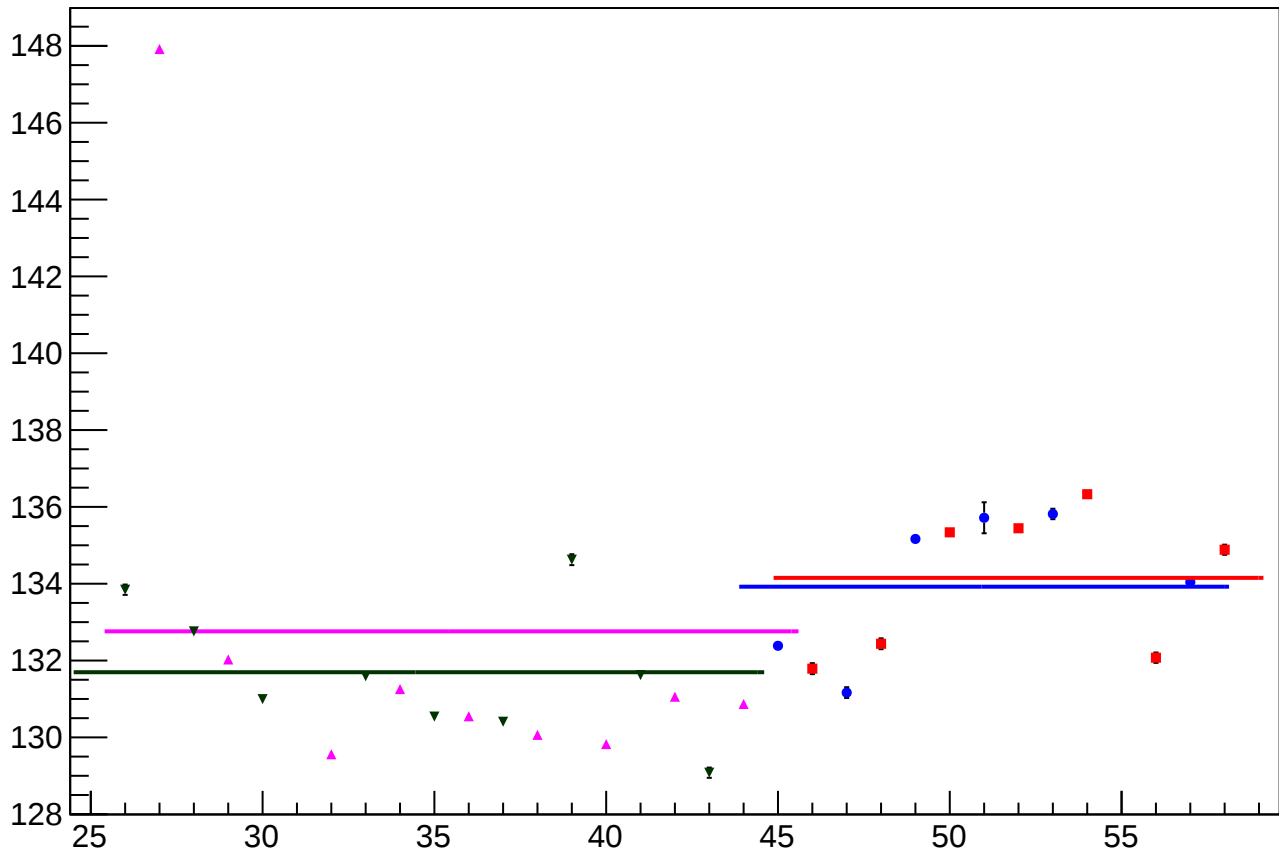
Right Out: -465.842 $\pm$ 71.874 χ^2/NDF : 11.6/6

Left In: -487.470 $\pm$ 55.895 χ^2/NDF : 20.8/8

417.786 $\pm$ 47.106 χ^2/NDF : 17.0/14

-479.319 $\pm$ 44.123 χ^2/NDF : 32.5/15

reg_asym_right_avg_rms vs slug



Right In: 133.922 ± 0.054 $\chi^2/\text{NDF}: 922.2/5$

Left Out: 131.696 ± 0.042 $\chi^2/\text{NDF}: 1383.5/8$

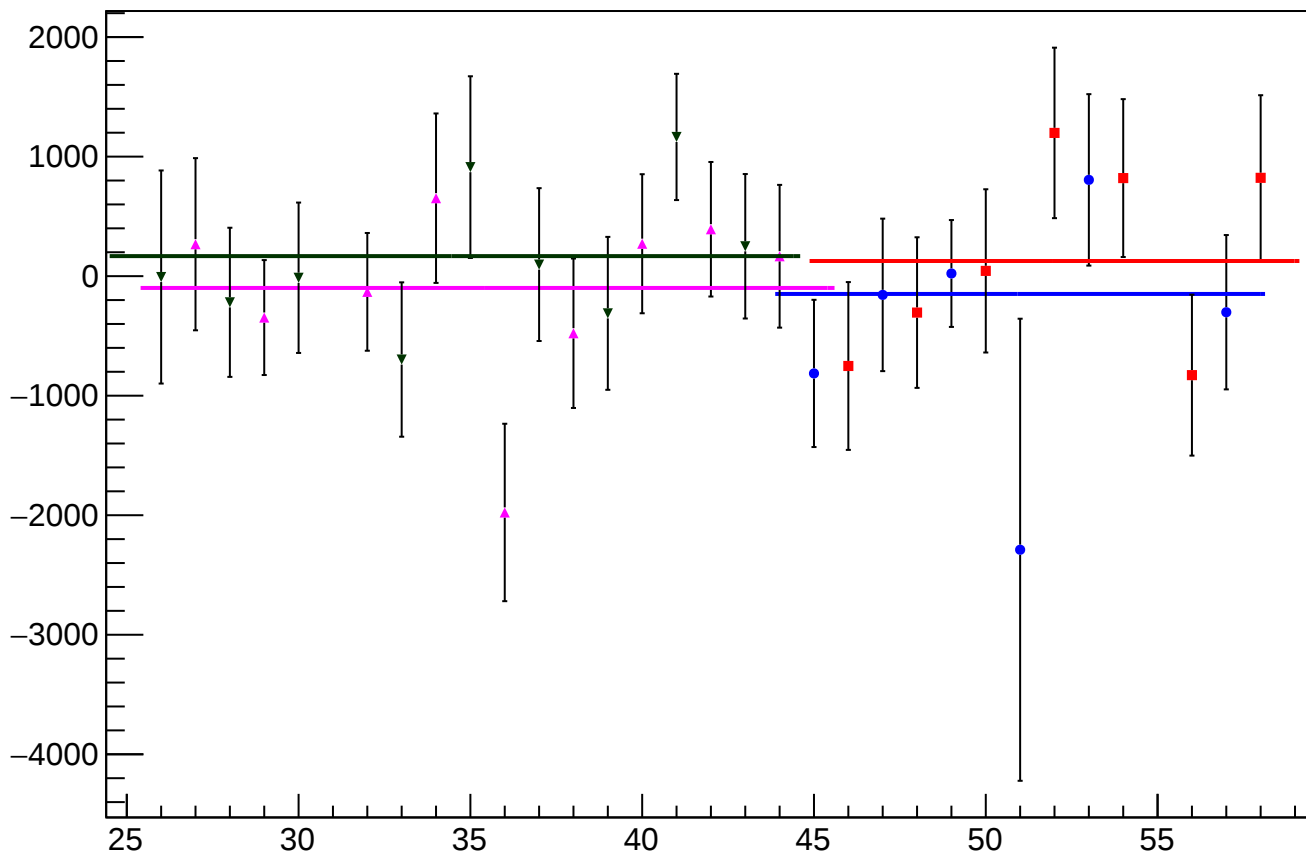
Right Out: 134.153 ± 0.051 $\chi^2/\text{NDF}: 1148.4/6$

Left In: 132.760 ± 0.040 $\chi^2/\text{NDF}: 20848.0/8$

132.540 ± 0.033 $\chi^2/\text{NDF}: 3357.1/14$

133.285 ± 0.031 $\chi^2/\text{NDF}: 22464.1/15$

asym_right_avg_correction_mean vs slug



Right In: -148.872 ± 260.732 χ^2/NDF : 4.4/5

Left Out: 167.658 ± 214.670 χ^2/NDF : 7.4/8

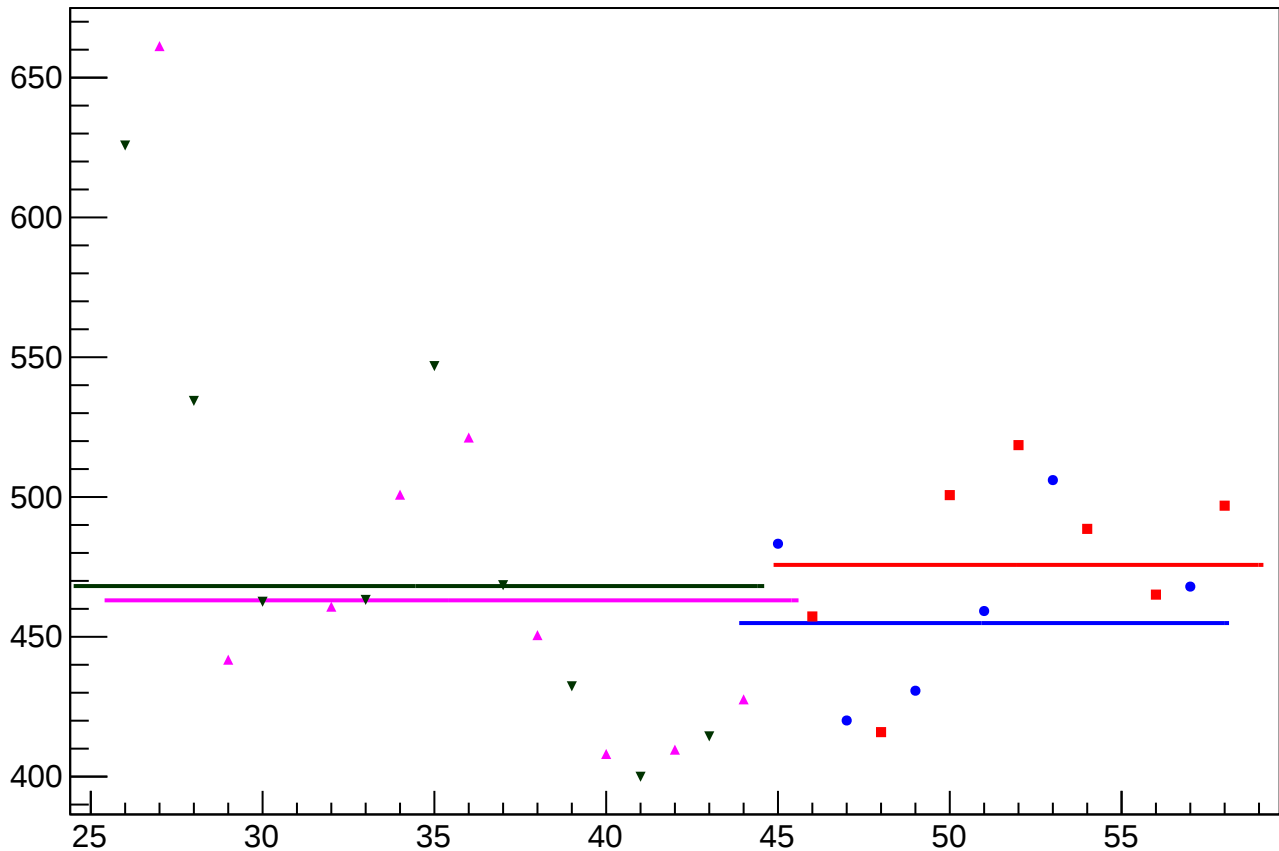
Right Out: 126.800 ± 256.053 χ^2/NDF : 8.4/6

Left In: -98.634 ± 197.418 χ^2/NDF : 9.8/8

39.777 ± 165.726 χ^2/NDF : 12.7/14

-14.587 ± 156.344 χ^2/NDF : 18.7/15

asym_right_avg_correction_rms vs slug



Right In: 454.917+/-0.184 χ^2/NDF : 27069.9/5

Left Out: 468.153+/-0.152 χ^2/NDF :162231.1/8

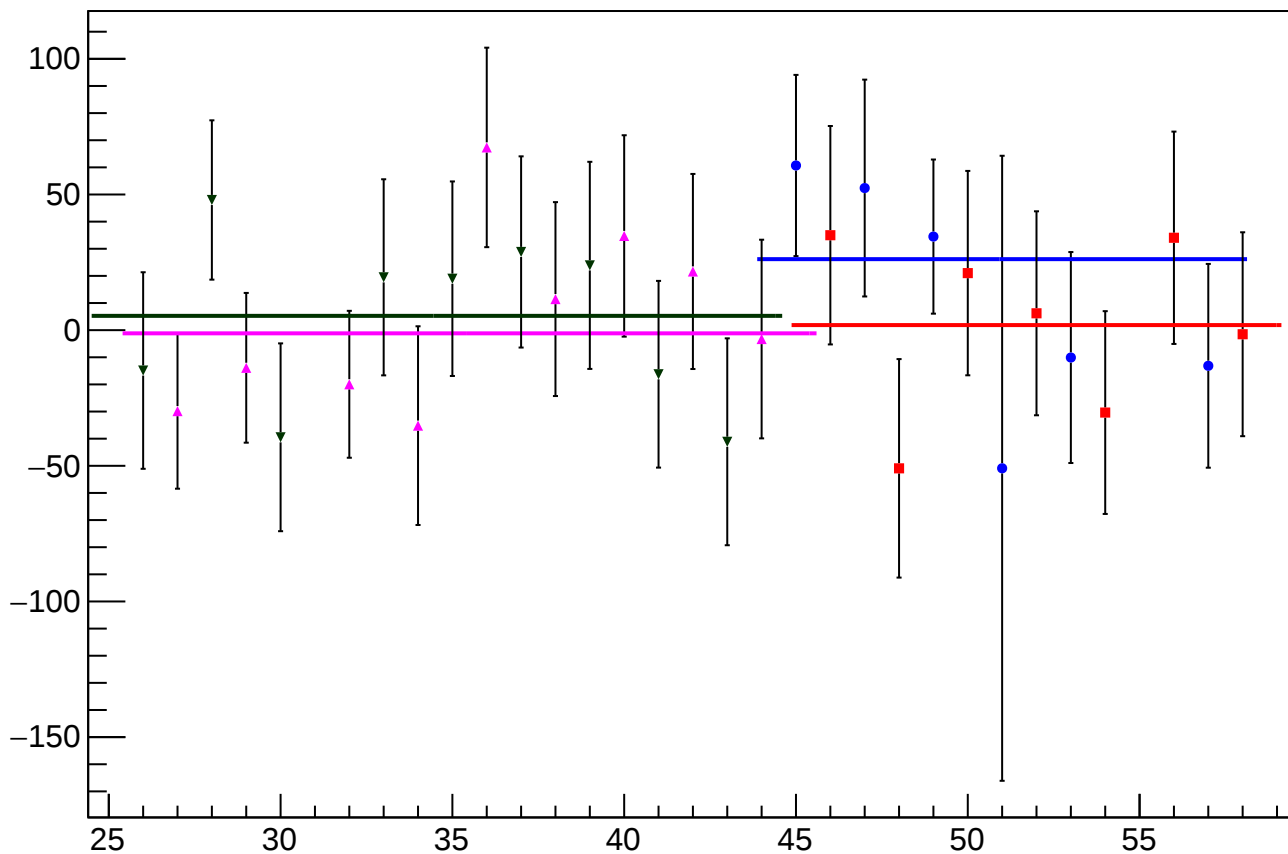
Right Out: 475.725+/-0.181 χ^2/NDF : 32438.4/6

Left In: 463.043+/-0.140 χ^2/NDF :217147.7/8

462.805+/-0.117 χ^2/NDF : 192372.6/14

467.771+/-0.111 χ^2/NDF : 252662.8/15

reg_asym_right_dd_mean vs slug



Right In: 26.171 $\pm$ 15.415 χ^2 /NDF: 4.0/5

Left Out: 5.270 $\pm$ 11.684 χ^2 /NDF: 7.0/8

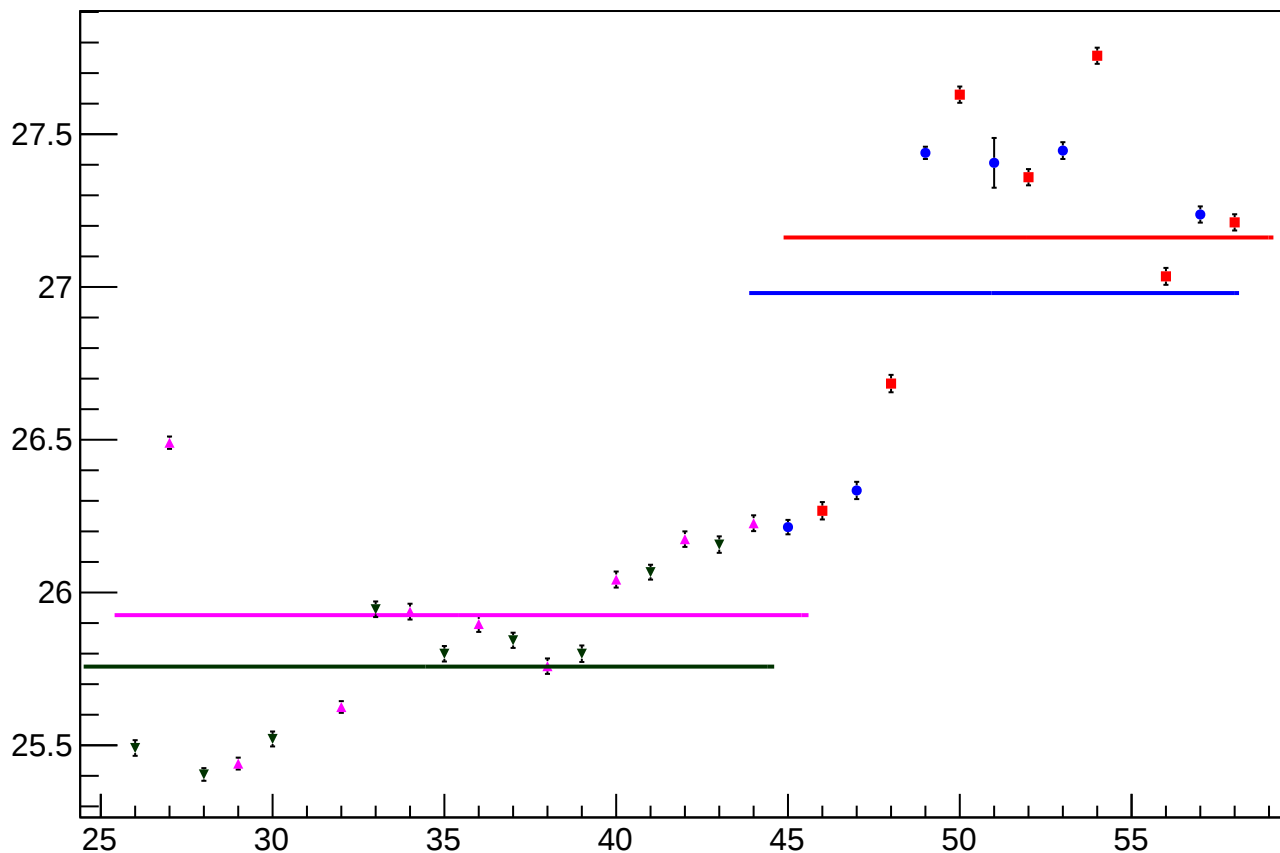
Right Out: 1.869 $\pm$ 14.550 χ^2 /NDF: 4.1/6

Left In: -1.172 $\pm$ 10.902 χ^2 /NDF: 7.5/8

12.897 $\pm$ 9.312 χ^2 /NDF: 12.1/14

-0.079 $\pm$ 8.725 χ^2 /NDF: 11.6/15

reg_asym_right_dd_rms vs slug



Right In: 26.980 $\pm$ 0.011 χ^2/NDF : 2506.1/5

Left Out: 25.758 $\pm$ 0.008 χ^2/NDF : 942.7/8

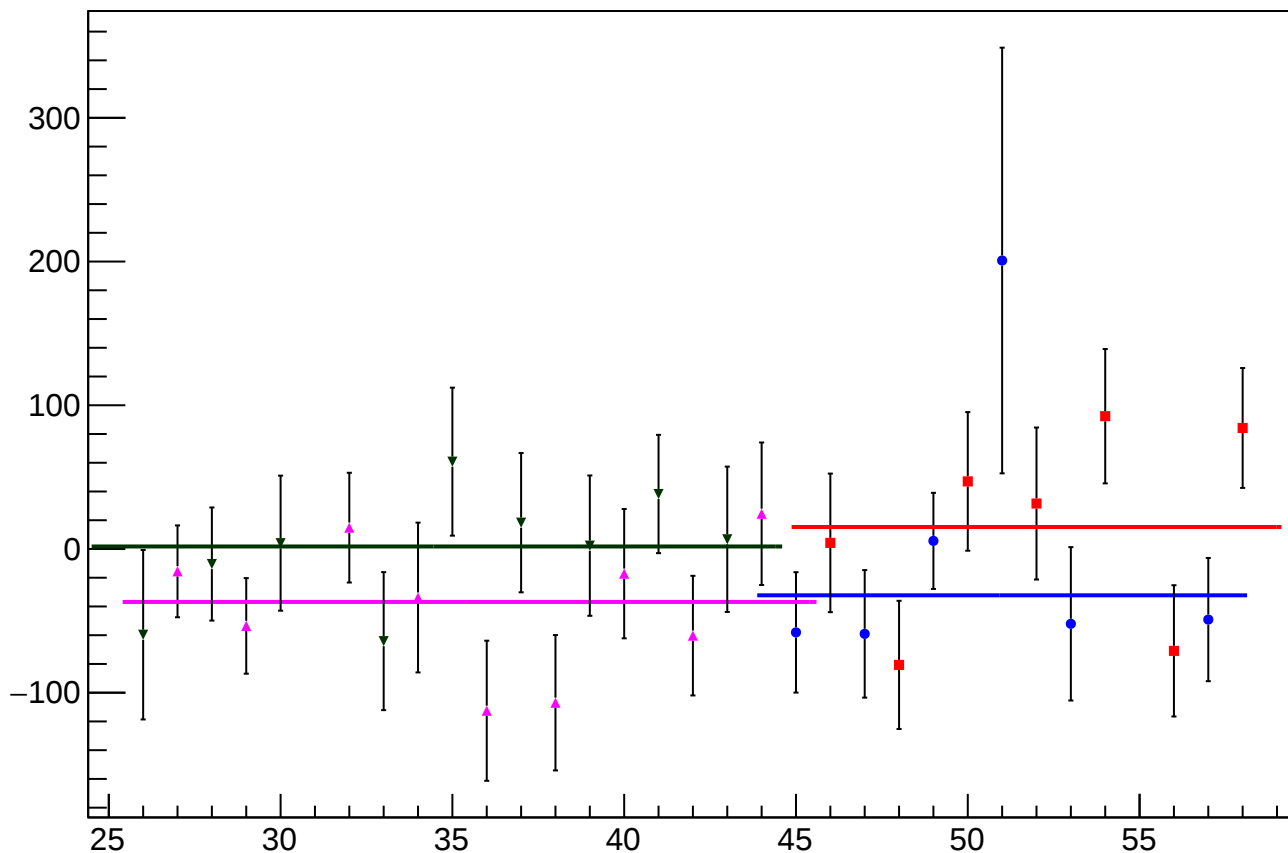
Right Out: 27.162 $\pm$ 0.010 χ^2/NDF : 2163.8/6

Left In: 25.926 $\pm$ 0.008 χ^2/NDF : 1940.9/8

26.204 $\pm$ 0.007 χ^2/NDF : 11438.2/14

26.370 $\pm$ 0.006 χ^2/NDF : 13348.6/15

asym_right_dd_correction_mean vs slug



Right In: -32.237 ± 18.528 χ^2/NDF : 4.8/5

Left Out: 1.740 ± 15.763 χ^2/NDF : 5.3/8

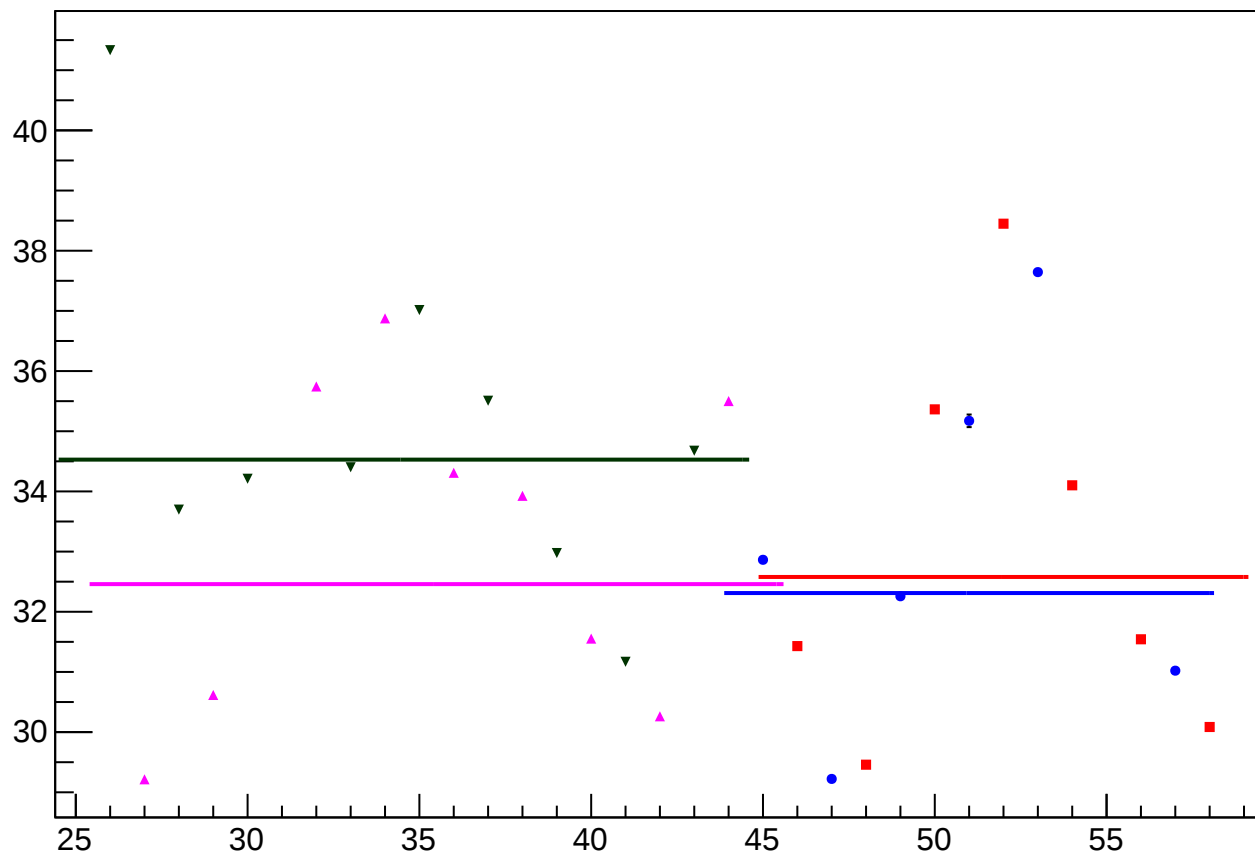
Right Out: 15.308 ± 17.588 χ^2/NDF : 14.2/6

Left In: -36.849 ± 13.752 χ^2/NDF : 9.2/8

-12.527 ± 12.006 χ^2/NDF : 12.0/14

-17.061 ± 10.834 χ^2/NDF : 28.9/15

asym_right_dd_correction_rms vs slug



Right In: 32.311+/-0.013 χ^2/NDF : 32582.9/5

Left Out: 34.528+/-0.011 χ^2/NDF : 48487.1/8

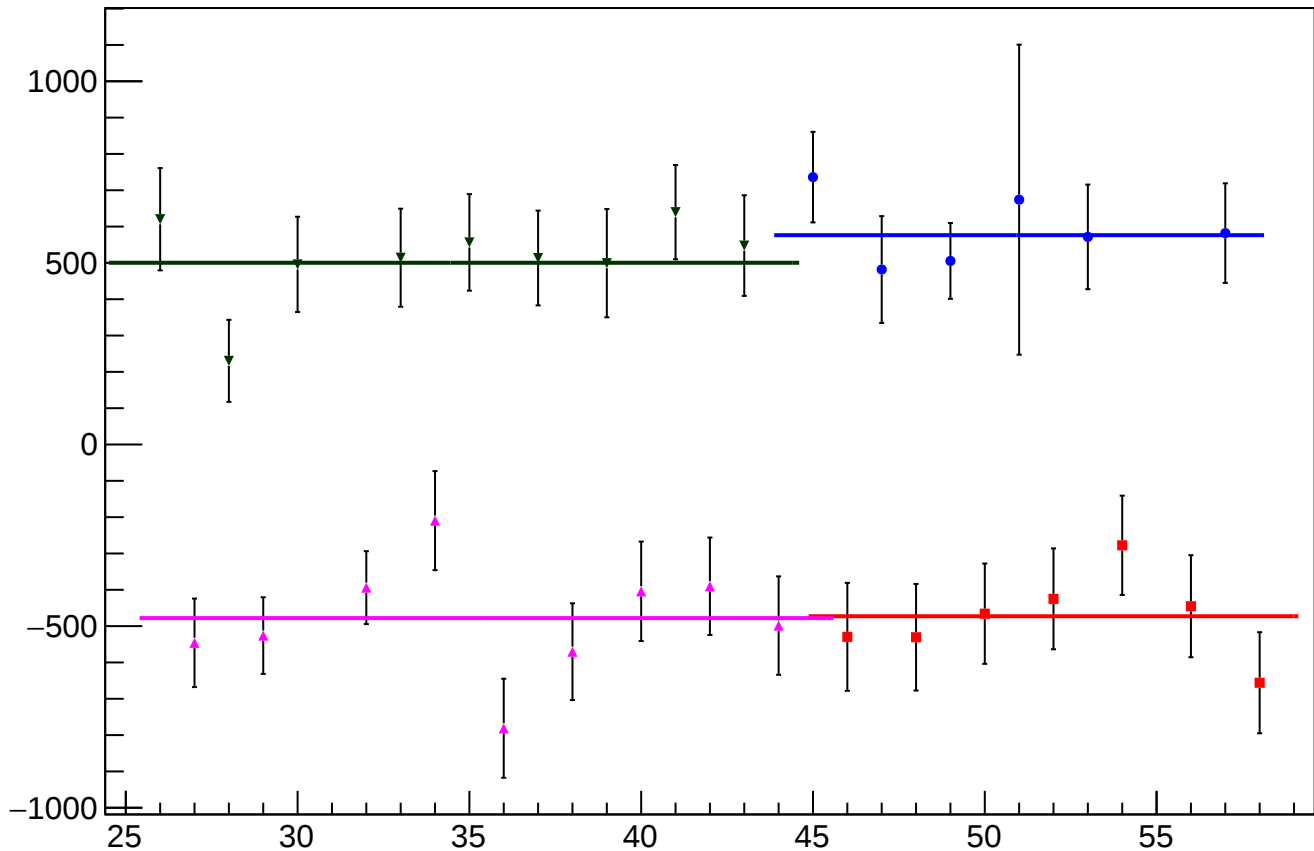
Right Out: 32.578+/-0.012 χ^2/NDF : 52544.3/6

Left In: 32.459+/-0.010 χ^2/NDF : 74635.6/8

33.597+/-0.008 χ^2/NDF : 97687.1/14

32.505+/-0.008 χ^2/NDF : 127236.7/15

reg_asym_us_avg_mean vs slug



Right In: 576.314+/-56.836 χ^2/NDF : 2.6/5

Left Out: 500.356+/-44.116 χ^2/NDF : 7.9/8

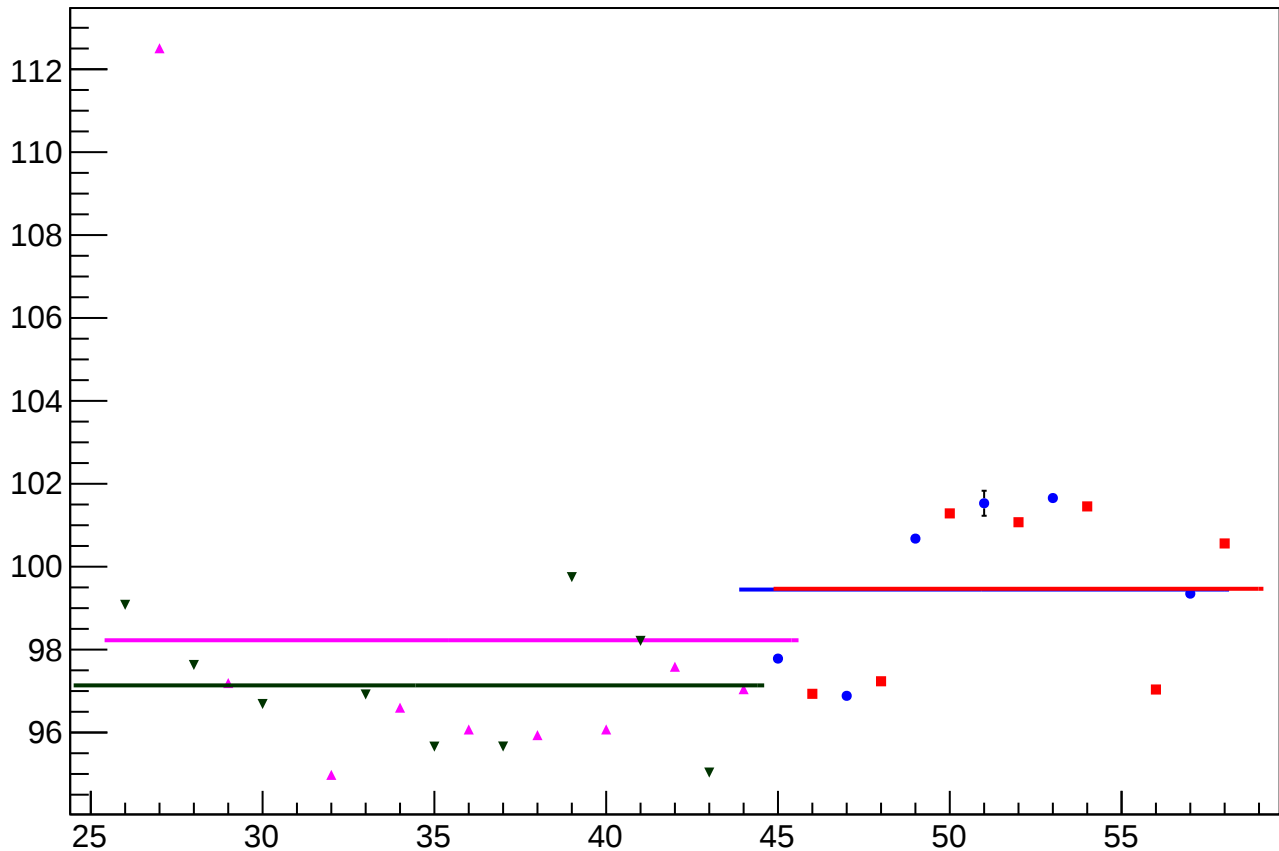
Right Out: -472.777+/-53.310 χ^2/NDF : 4.2/6

Left In: -477.865+/-41.389 χ^2/NDF : 11.3/8

528.914+/-34.850 χ^2/NDF : 11.6/14

-475.951+/-32.692 χ^2/NDF : 15.5/15

reg_asym_us_avg_rms vs slug



Right In: 99.448 ± 0.040 χ^2/NDF : 1761.4/5

Left Out: 97.137 ± 0.031 χ^2/NDF : 2162.7/8

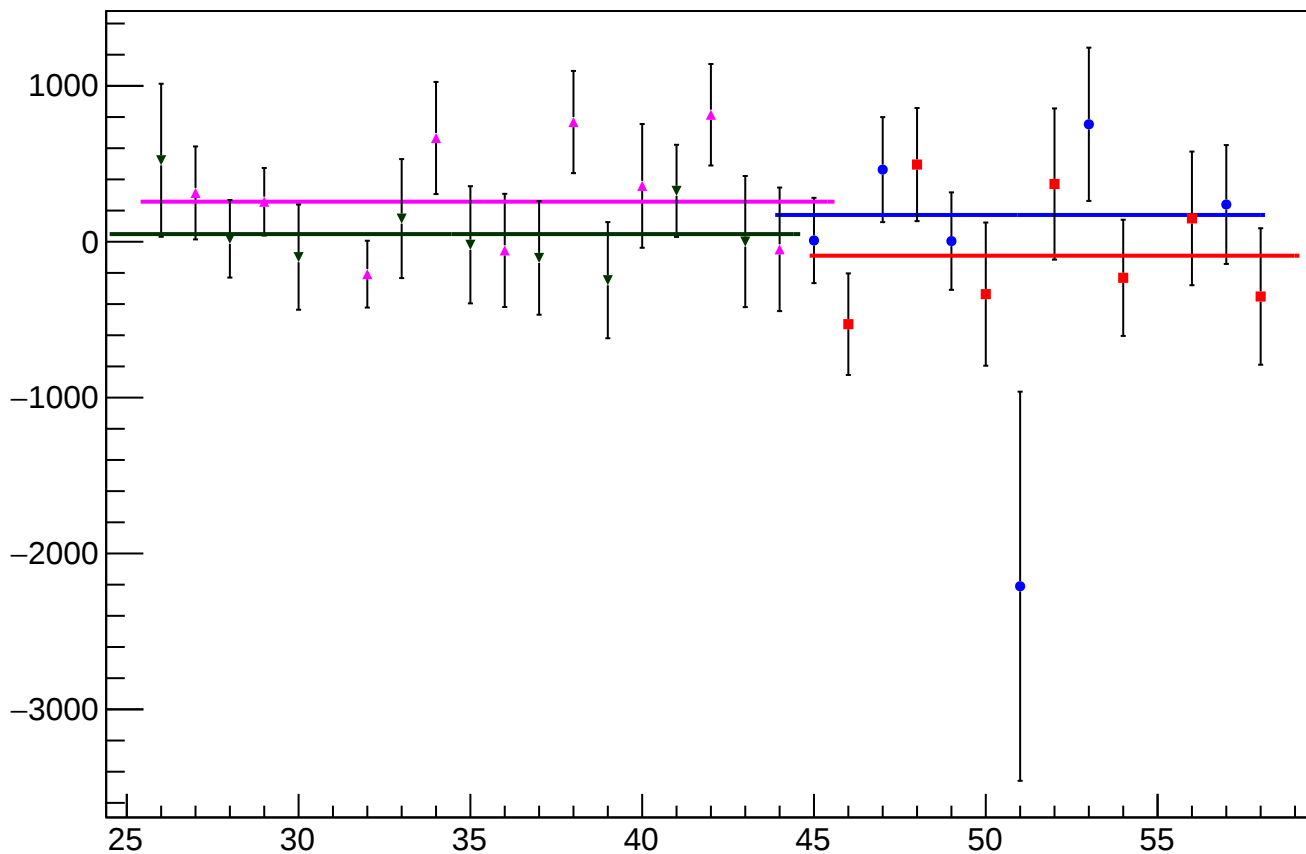
Right Out: 99.467 ± 0.038 χ^2/NDF : 2802.7/6

Left In: 98.225 ± 0.029 χ^2/NDF : 31817.4/8

98.006 ± 0.025 χ^2/NDF : 5988.7/14

98.692 ± 0.023 χ^2/NDF : 35297.2/15

asym_us_avg_correction_mean vs slug



Right In: 171.859+/-150.646 χ^2/NDF : 6.5/5

Left Out: 49.096+/-115.577 χ^2/NDF : 2.9/8

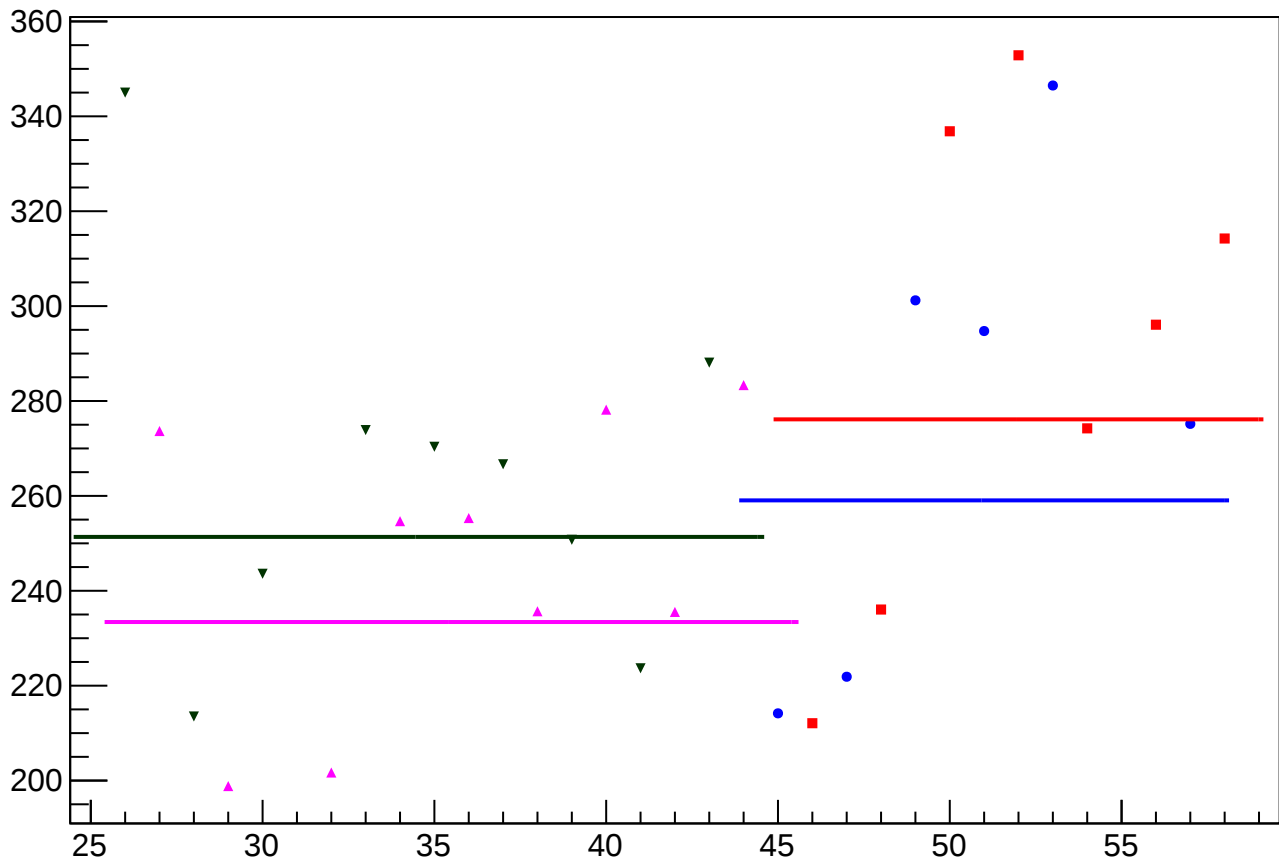
Right Out: -89.497+/-151.009 χ^2/NDF : 6.4/6

Left In: 257.038+/-99.480 χ^2/NDF : 12.8/8

94.582+/-91.699 χ^2/NDF : 9.8/14

152.163+/-83.074 χ^2/NDF : 22.9/15

asym_us_avg_correction_rms vs slug



Right In: 259.054+/-0.107 χ^2/NDF : 183049.1/5

Left Out: 251.356+/-0.082 χ^2/NDF :168505.5/8

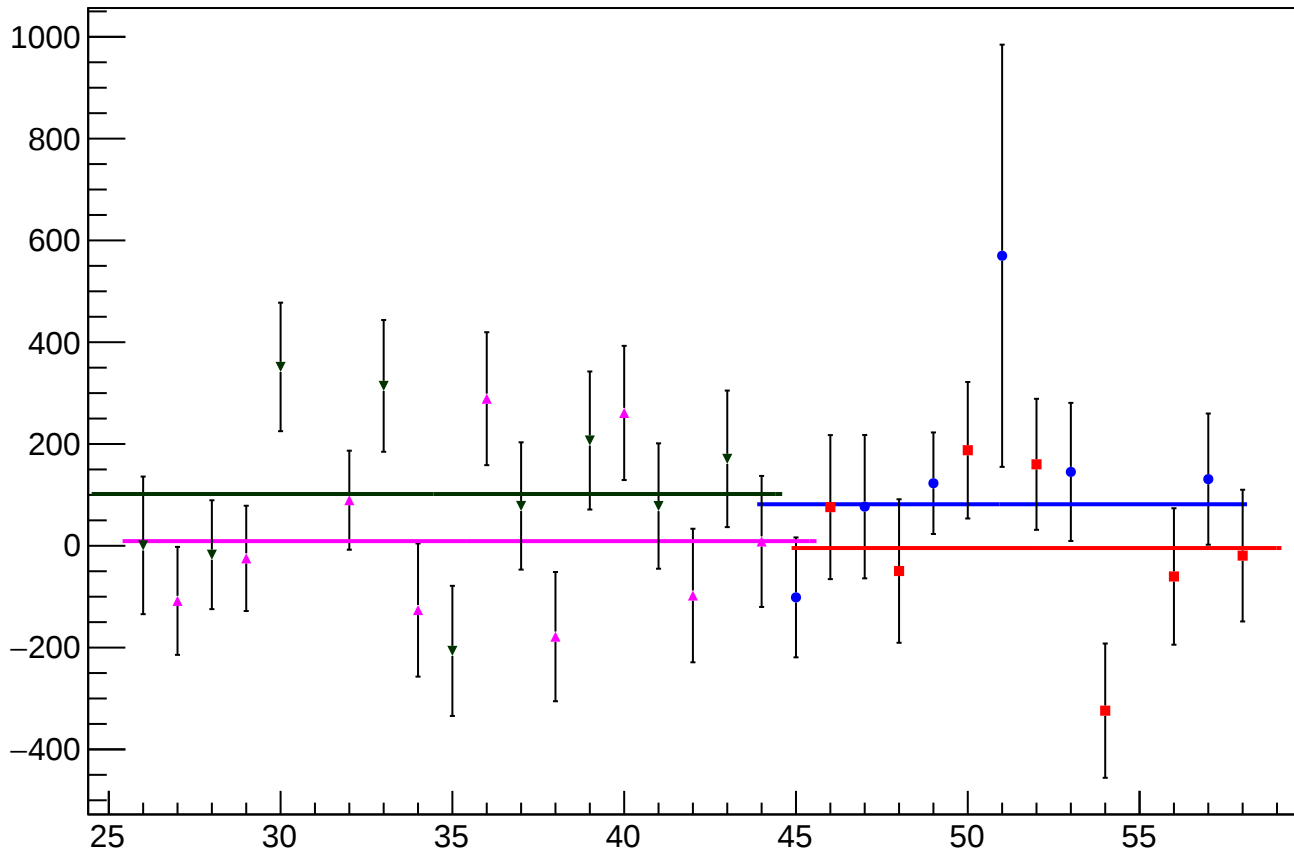
254.208+/-0.065 χ^2/NDF : 354841.7/14

Right Out: 276.130+/-0.107 χ^2/NDF : 206183.1/6

246.343+/-0.059 χ^2/NDF : 520514.3/15

Left In: 233.417+/-0.070 χ^2/NDF :202742.1/8

reg_asym_us_dd_mean vs slug



Right In: 81.620+/-53.972 χ^2/NDF : 4.3/5

Left Out: 101.794+/-42.049 χ^2/NDF :15.2/8

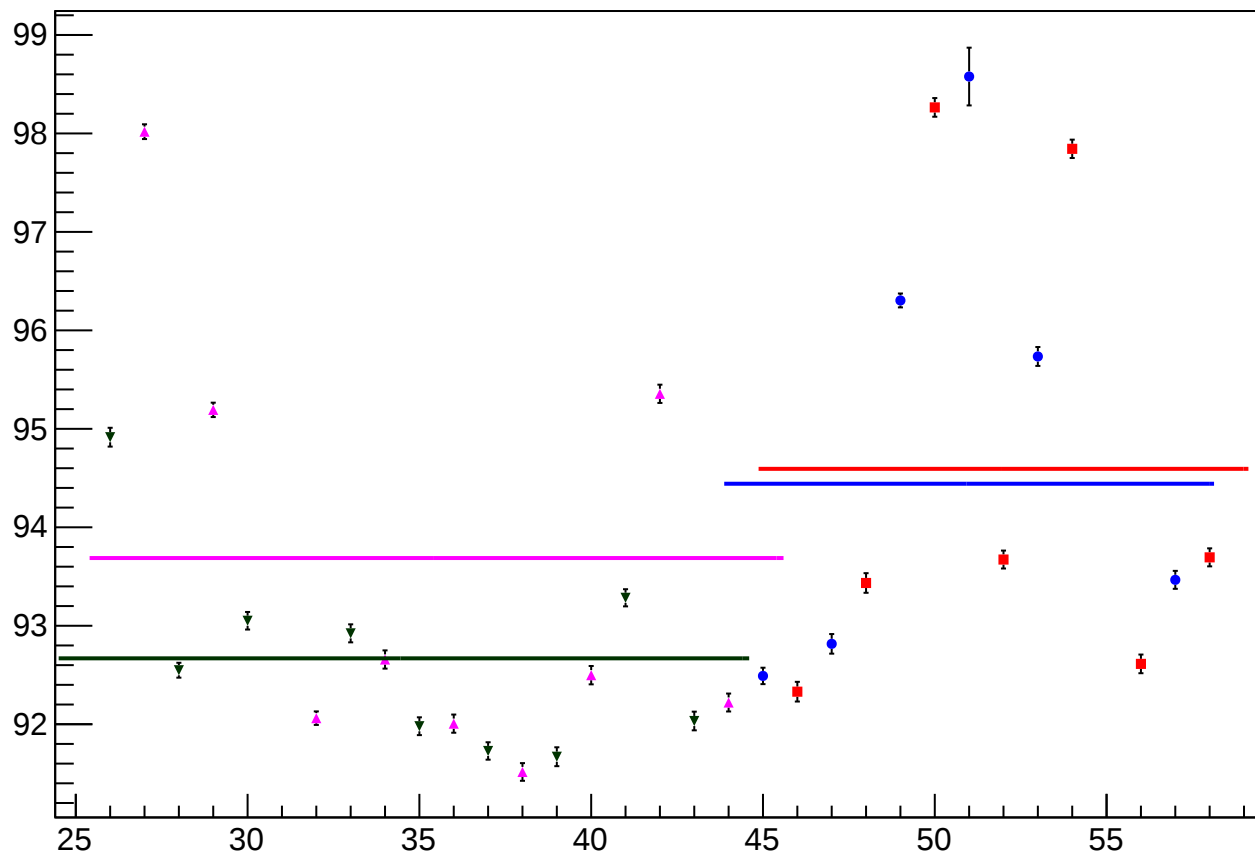
94.174+/-33.170 χ^2/NDF : 19.6/14

Right Out: -4.404+/-50.696 χ^2/NDF : 10.2/6

4.060+/-31.125 χ^2/NDF : 24.4/15

Left In: 9.181+/-39.431 χ^2/NDF :14.2/8

reg_asym_us_dd_rms vs slug



Right In: 94.442 ± 0.038 χ^2/NDF : 2007.1/5

Left Out: 92.669 ± 0.030 χ^2/NDF : 955.5/8

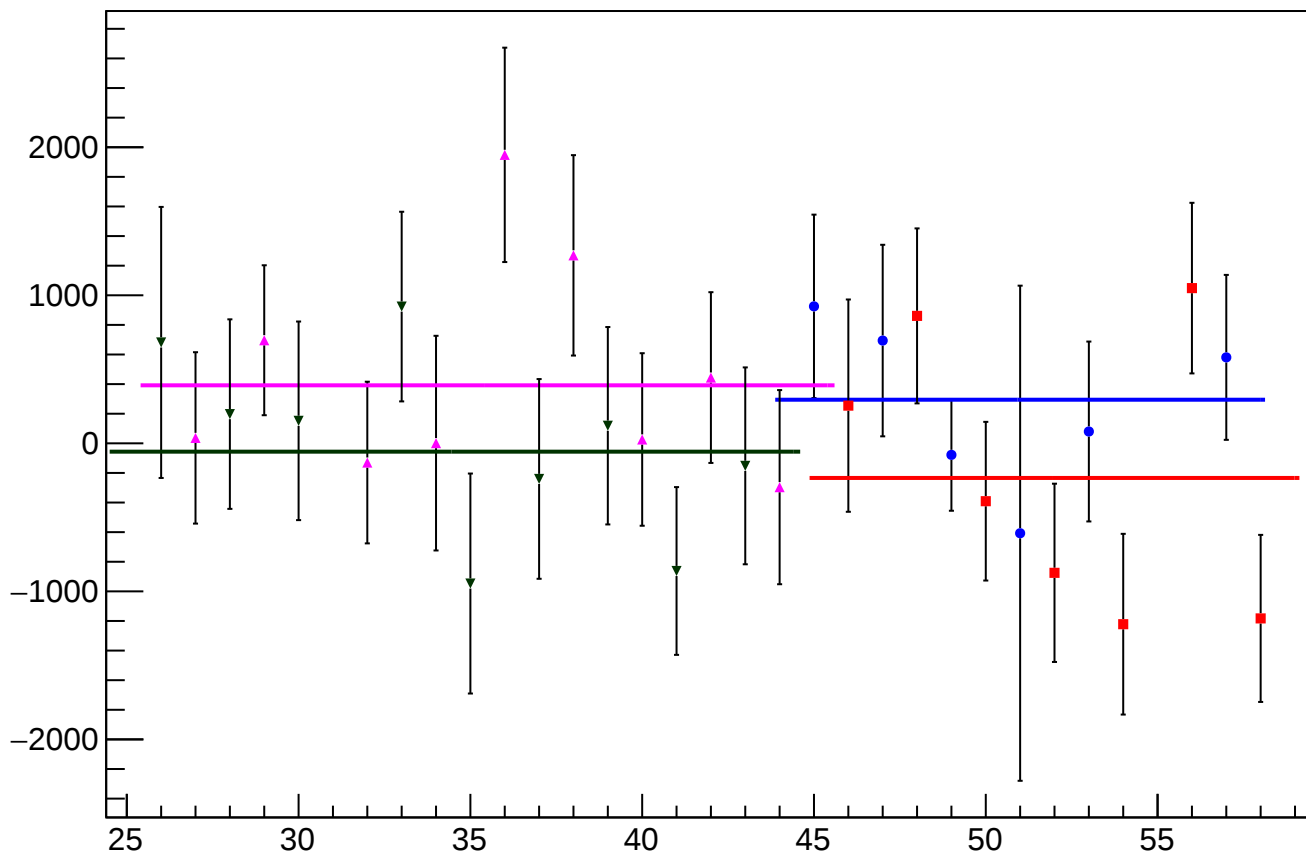
Right Out: 94.594 ± 0.036 χ^2/NDF : 3995.3/6

Left In: 93.688 ± 0.028 χ^2/NDF : 6102.1/8

93.339 ± 0.023 χ^2/NDF : 4306.1/14

94.029 ± 0.022 χ^2/NDF : 10495.3/15

asym_us_dd_correction_mean vs slug



Right In: 294.573 $\pm$ 233.752 χ^2/NDF : 3.1/5

Left Out: -56.319 $\pm$ 224.014 χ^2/NDF : 6.9/8

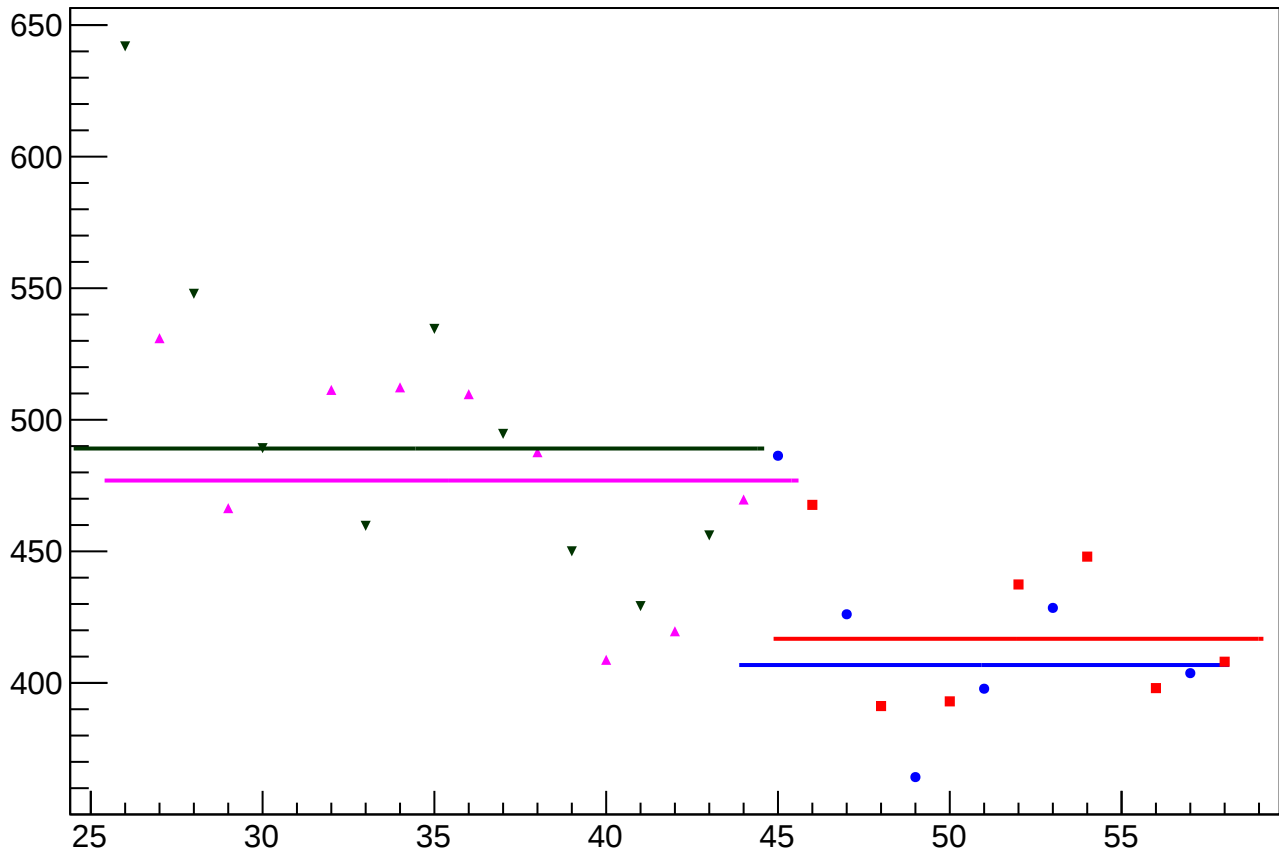
Right Out: -233.881 $\pm$ 224.258 χ^2/NDF : 15.5/6

Left In: 391.848 $\pm$ 202.004 χ^2/NDF : 9.7/8

111.666 $\pm$ 161.735 χ^2/NDF : 11.1/14

111.562 $\pm$ 150.091 χ^2/NDF : 29.6/15

asym_us_dd_correction_rms vs slug



Right In: 406.801+/-0.165 χ^2/NDF : 62868.1/5

Left Out: 489.081+/-0.158 χ^2/NDF :118576.3/8

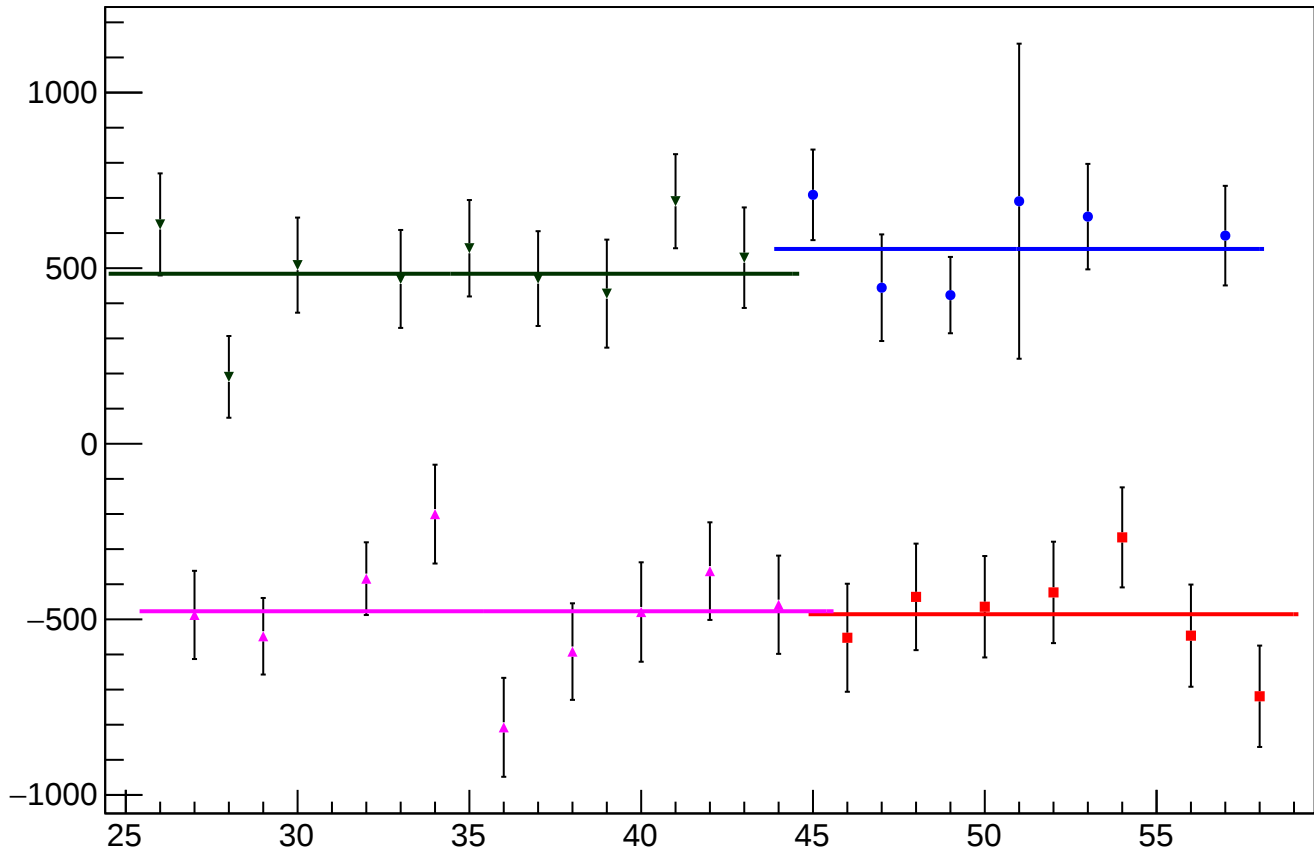
Right Out: 416.769+/-0.159 χ^2/NDF : 27931.1/6

Left In: 476.913+/-0.143 χ^2/NDF :82979.3/8

449.691+/-0.114 χ^2/NDF : 310616.5/14

449.973+/-0.106 χ^2/NDF : 190326.6/15

reg_asym_ds_avg_mean vs slug



Right In: 554.718 $\pm$ 59.006 χ^2/NDF : 4.0/5

Left Out: 484.116 $\pm$ 45.554 χ^2/NDF : 10.3/8

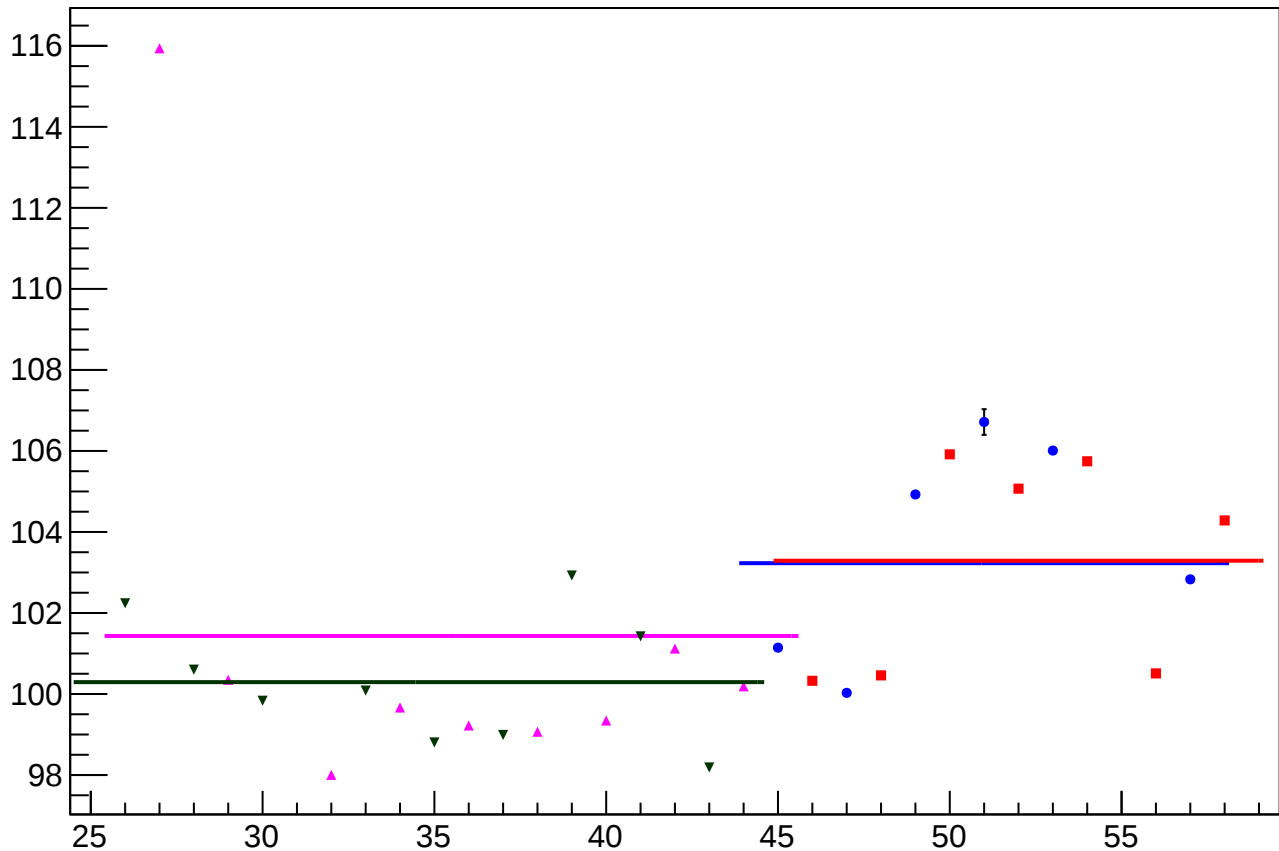
Right Out: -485.380 $\pm$ 55.368 χ^2/NDF : 5.7/6

Left In: -476.948 $\pm$ 42.742 χ^2/NDF : 12.0/8

510.481 $\pm$ 36.058 χ^2/NDF : 15.1/14

-480.096 $\pm$ 33.834 χ^2/NDF : 17.7/15

reg_asym_ds_avg_rms vs slug



Right In: 103.229+/-0.042 χ^2/NDF : 2721.2/5

Left Out: 100.293+/-0.032 χ^2/NDF :1983.2/8

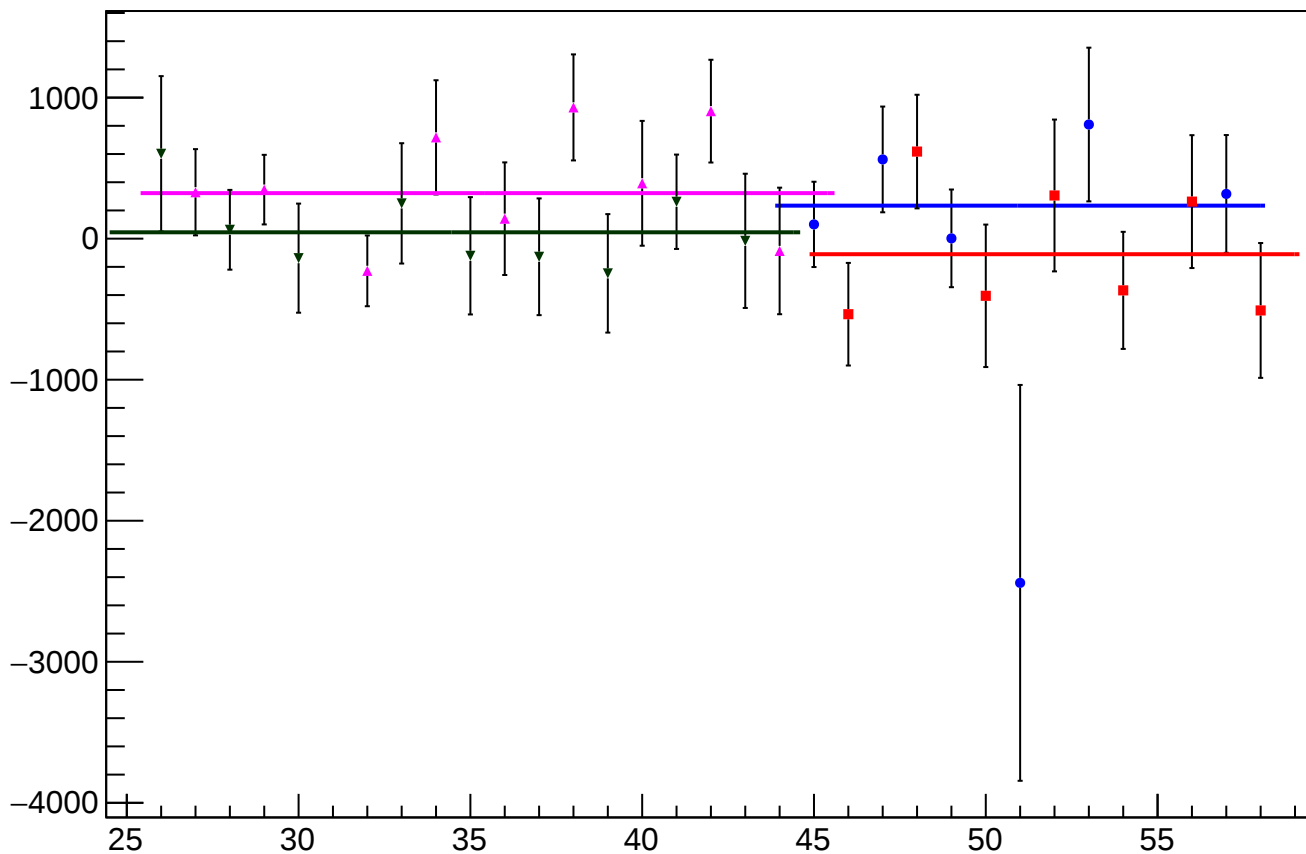
Right Out: 103.291+/-0.039 χ^2/NDF : 3823.9/6

Left In: 101.433+/-0.030 χ^2/NDF :31082.7/8

101.390+/-0.025 χ^2/NDF : 7807.1/14

102.127+/-0.024 χ^2/NDF : 36317.6/15

asym_ds_avg_correction_mean vs slug



Right In: 234.042 $\pm$ 166.658 χ^2 /NDF: 6.2/5

Left Out: 45.072 $\pm$ 130.602 χ^2 /NDF: 2.7/8

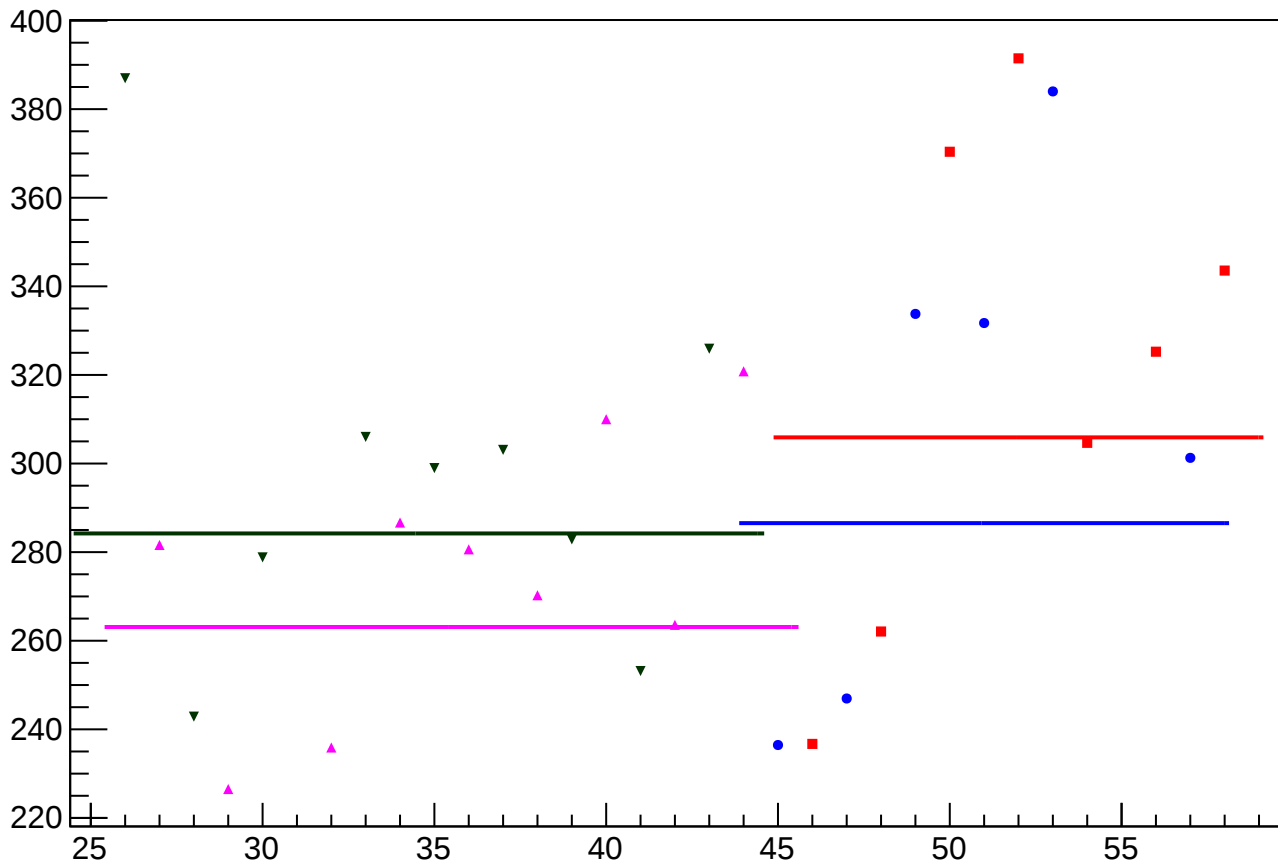
Right Out: -110.281 $\pm$ 167.175 χ^2 /NDF: 7.3/6

Left In: 322.770 $\pm$ 111.748 χ^2 /NDF: 12.0/8

116.968 $\pm$ 102.797 χ^2 /NDF: 9.7/14

189.031 $\pm$ 92.903 χ^2 /NDF: 23.9/15

asym_ds_avg_correction_rms vs slug



Right In: 286.546 ± 0.118 χ^2/NDF : 182933.1/5

Left Out: 284.218 ± 0.092 χ^2/NDF : 157337.5/8

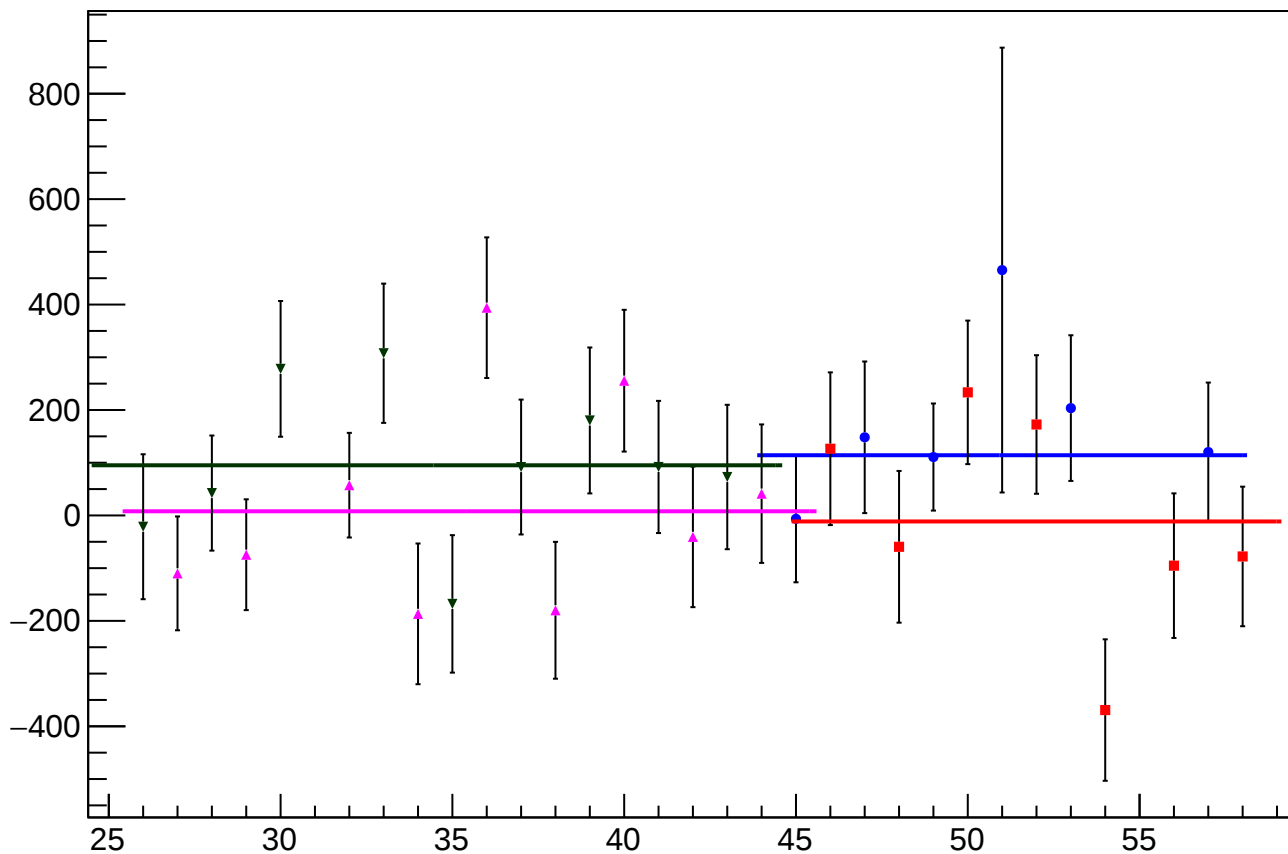
Right Out: 305.905 ± 0.118 χ^2/NDF : 194966.4/6

Left In: 263.097 ± 0.079 χ^2/NDF : 141755.0/8

285.104 ± 0.073 χ^2/NDF : 340512.3/14

276.317 ± 0.066 χ^2/NDF : 427363.1/15

reg_asym_ds_dd_mean vs slug



Right In: 114.204 $\pm$ 55.059 χ^2 /NDF: 2.2/5

Left Out: 95.153 $\pm$ 42.894 χ^2 /NDF:10.0/8

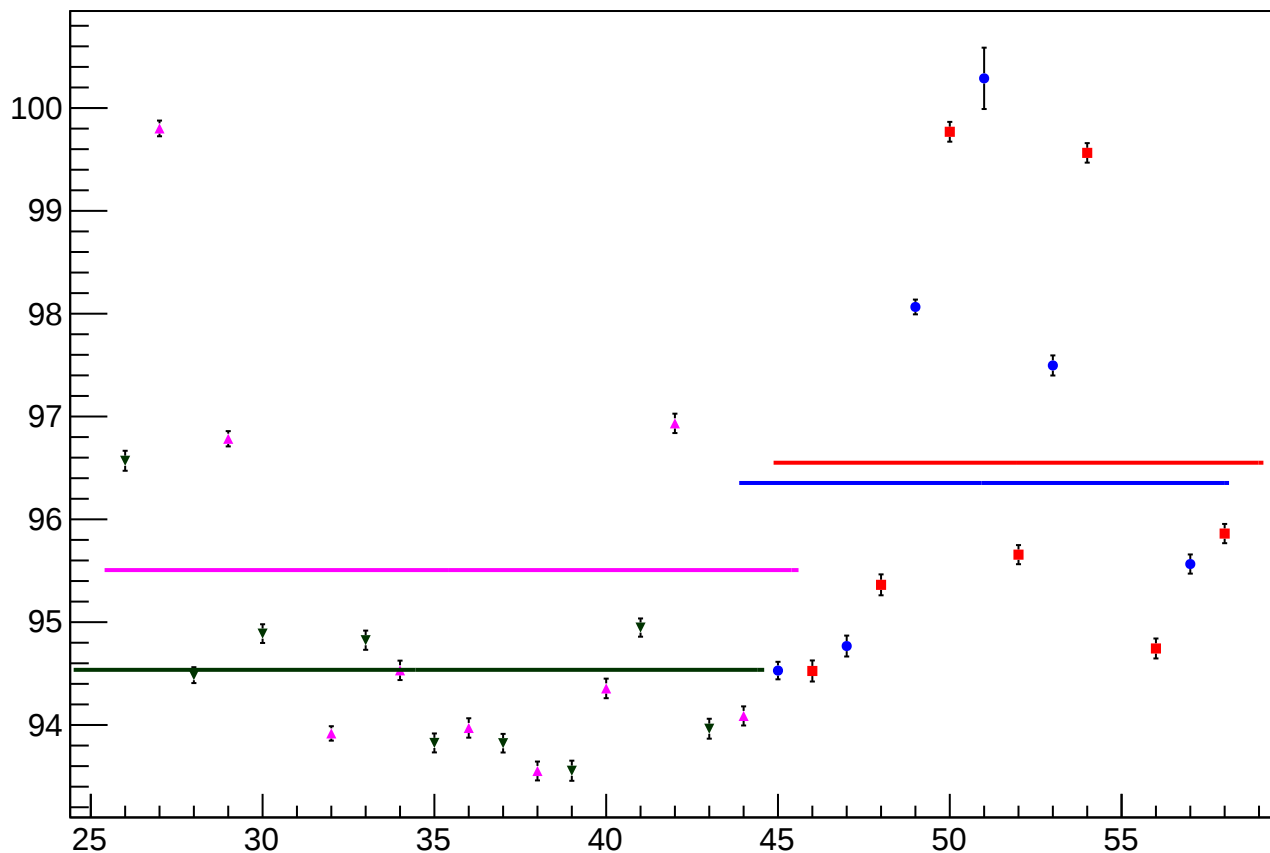
Right Out: -11.423 $\pm$ 51.738 χ^2 /NDF: 13.9/6

Left In: 7.892 $\pm$ 40.192 χ^2 /NDF:18.2/8

102.349 $\pm$ 33.837 χ^2 /NDF: 12.3/14

0.623 $\pm$ 31.740 χ^2 /NDF: 32.3/15

reg_asym_ds_dd_rms vs slug



Right In: 96.354 $\pm$ 0.039 χ^2 /NDF: 1652.9/5

Left Out: 94.536 $\pm$ 0.030 χ^2 /NDF: 741.0/8

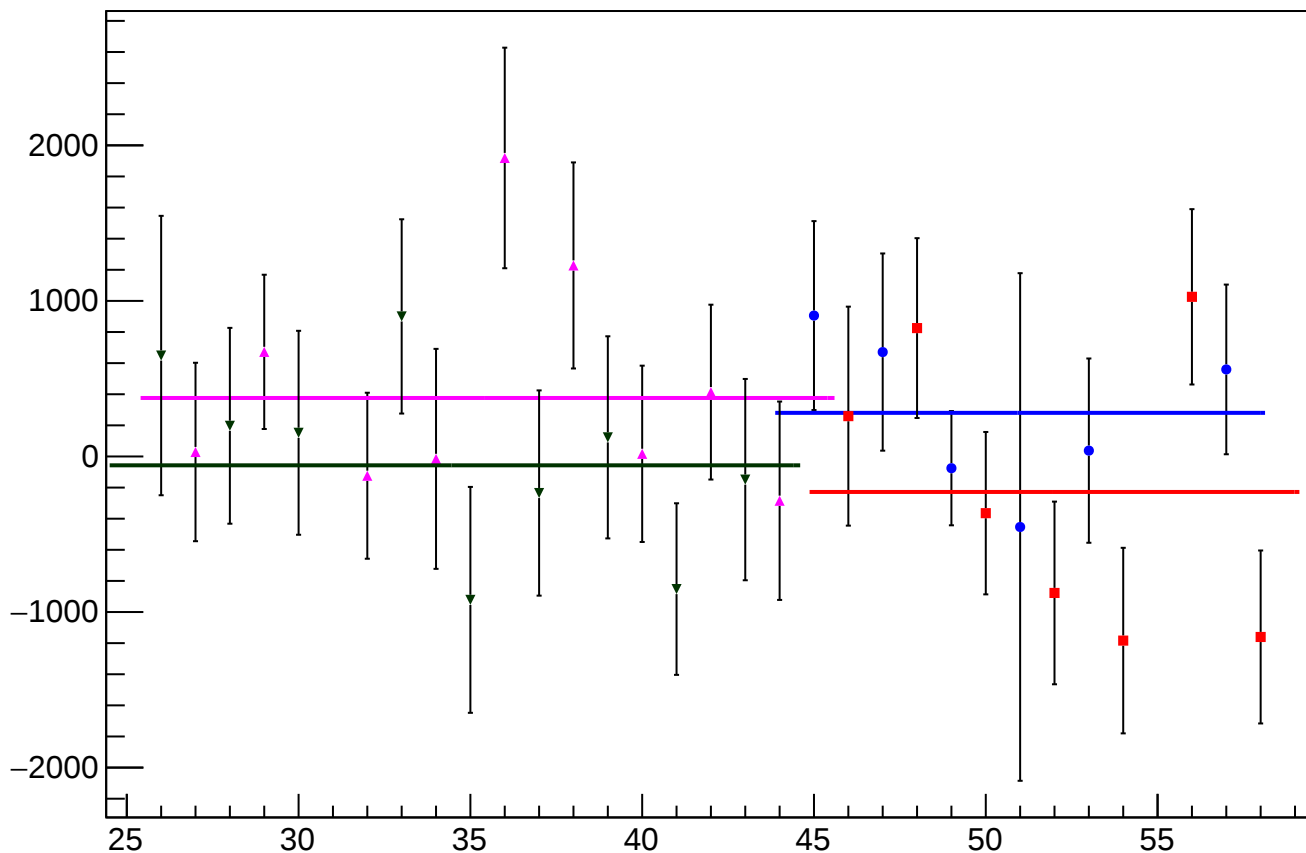
Right Out: 96.551 $\pm$ 0.037 χ^2 /NDF: 3147.5/6

Left In: 95.507 $\pm$ 0.028 χ^2 /NDF: 5405.6/8

95.223 $\pm$ 0.024 χ^2 /NDF: 3749.9/14

95.900 $\pm$ 0.022 χ^2 /NDF: 9061.2/15

asym_ds_dd_correction_mean vs slug



Right In: 280.442 $\pm$ 228.183 χ^2/NDF : 3.0/5

Left Out: -56.903 $\pm$ 218.768 χ^2/NDF : 6.9/8

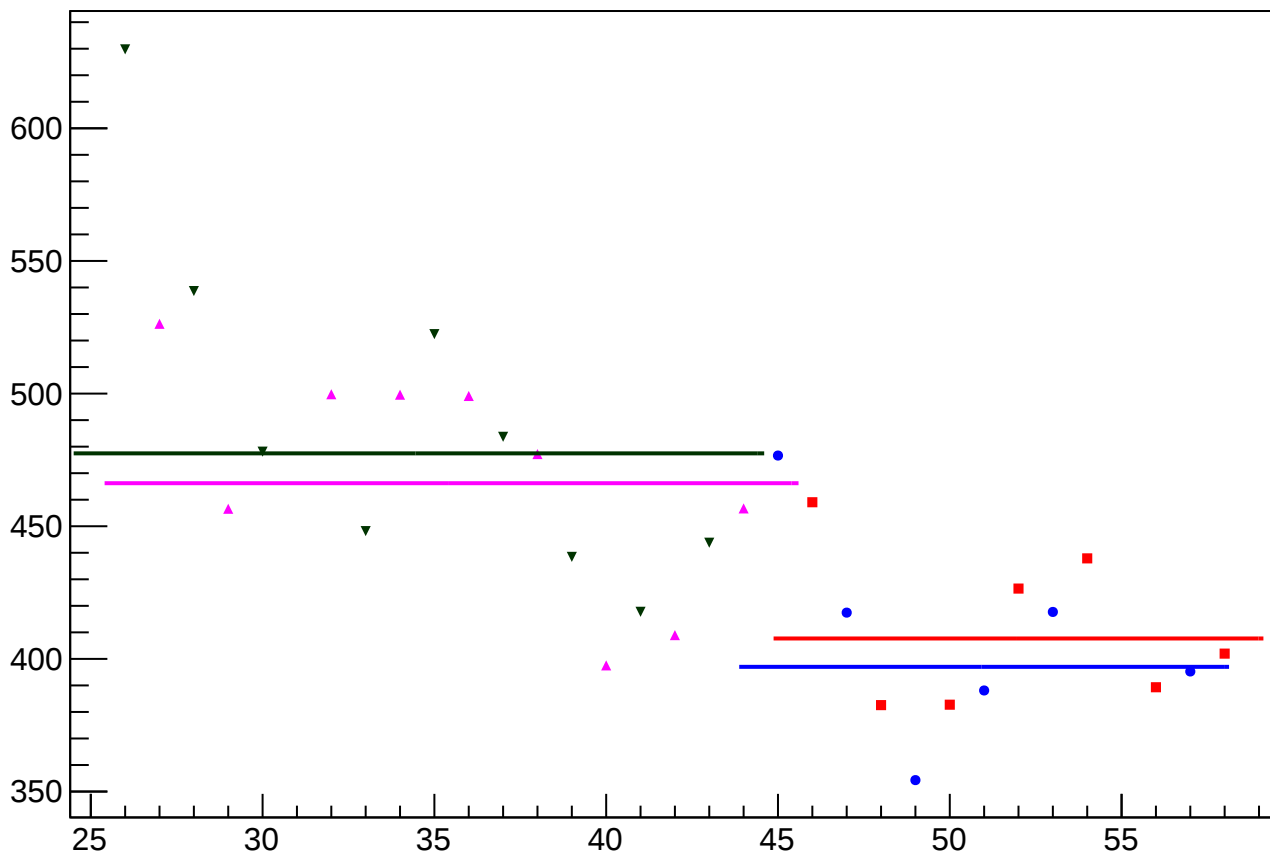
Right Out: -228.134 $\pm$ 219.379 χ^2/NDF : 15.4/6

Left In: 376.012 $\pm$ 197.531 χ^2/NDF : 9.8/8

104.666 $\pm$ 157.916 χ^2/NDF : 11.1/14

105.512 $\pm$ 146.794 χ^2/NDF : 29.4/15

asym_ds_dd_correction_rms vs slug



Right In: 397.004 $\pm$ 0.161 χ^2 /NDF: 66044.5/5

Left Out: 477.470 $\pm$ 0.155 χ^2 /NDF:124730.4/8

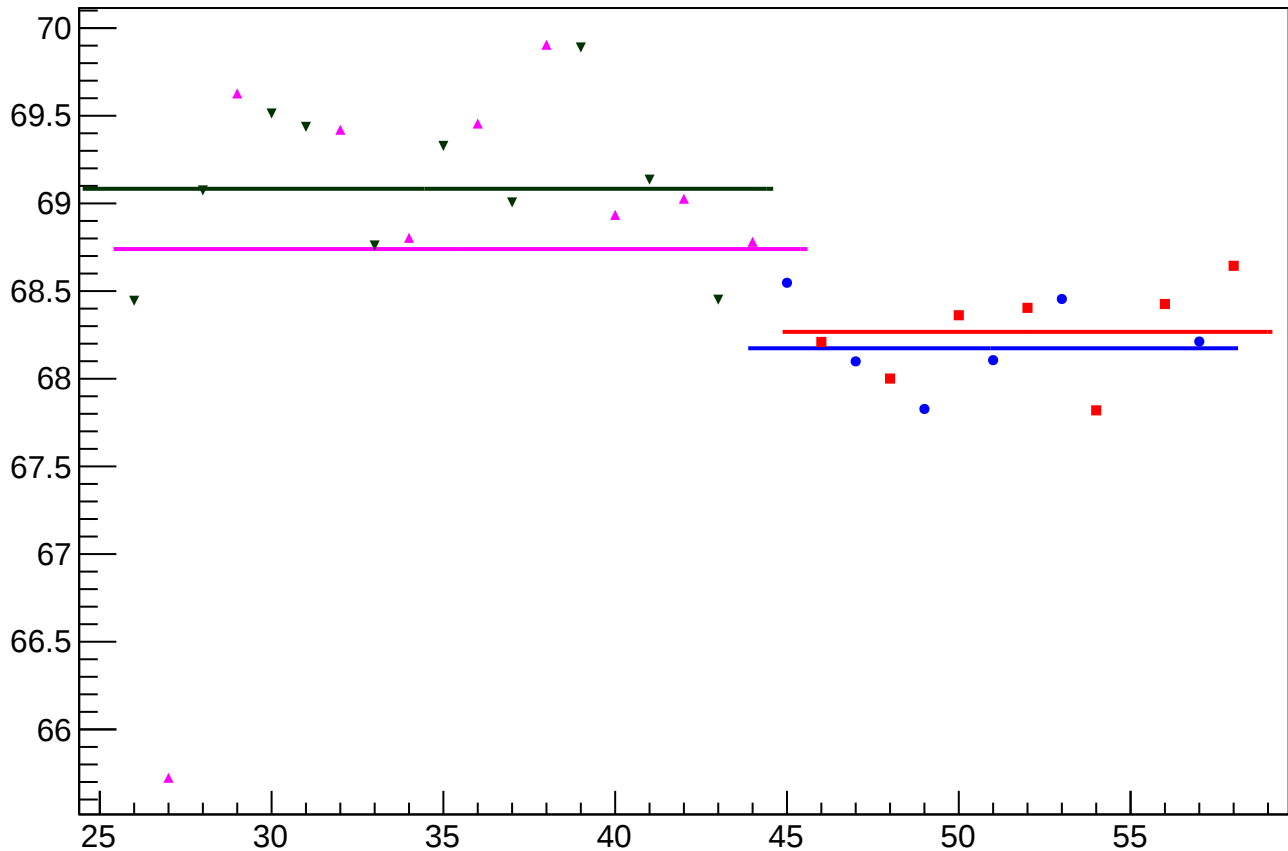
Right Out: 407.694 $\pm$ 0.155 χ^2 /NDF: 28514.1/6

Left In: 466.224 $\pm$ 0.140 χ^2 /NDF:90489.0/8

438.932 $\pm$ 0.112 χ^2 /NDF: 320366.0/14

440.018 $\pm$ 0.104 χ^2 /NDF: 197623.5/15

yield_bcm_an_ds_mean vs slug



Right In: 68.174+/-0.000 χ^2/NDF : 5700013.1/5

Left Out: 69.083+/-0.000 χ^2/NDF : 27004165.7/9

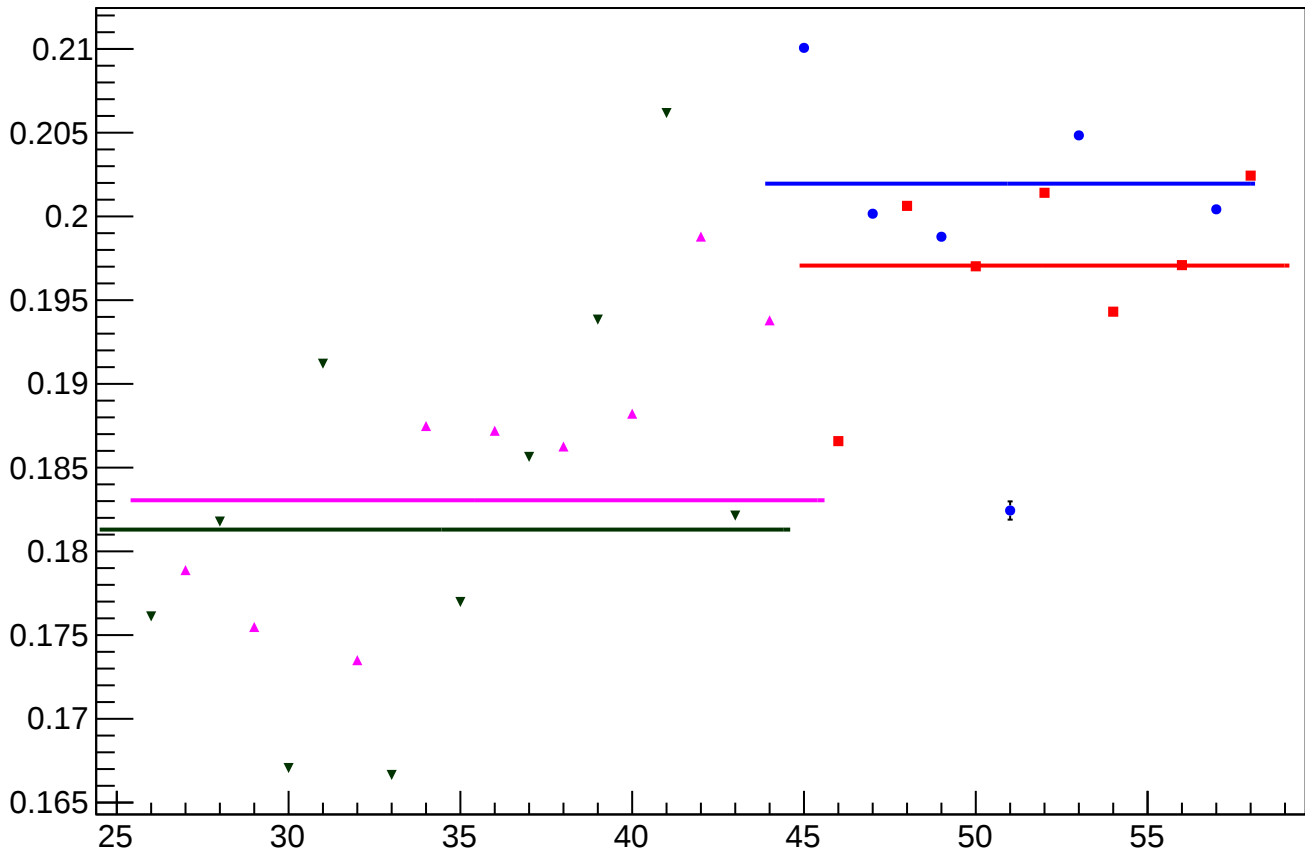
Right Out: 68.267+/-0.000 χ^2/NDF : 6020100.0/6

Left In: 68.740+/-0.000 χ^2/NDF : 294554075.3/8

68.786+/-0.000 χ^2/NDF : 73818459.2/15

68.575+/-0.000 χ^2/NDF : 313200568.7/15

yield_bcm_an_ds_rms vs slug



Right In: 0.202 $\pm$ 0.000 χ^2 /NDF: 3875.4/5

Left Out: 0.181 $\pm$ 0.000 χ^2 /NDF:38931.4/9

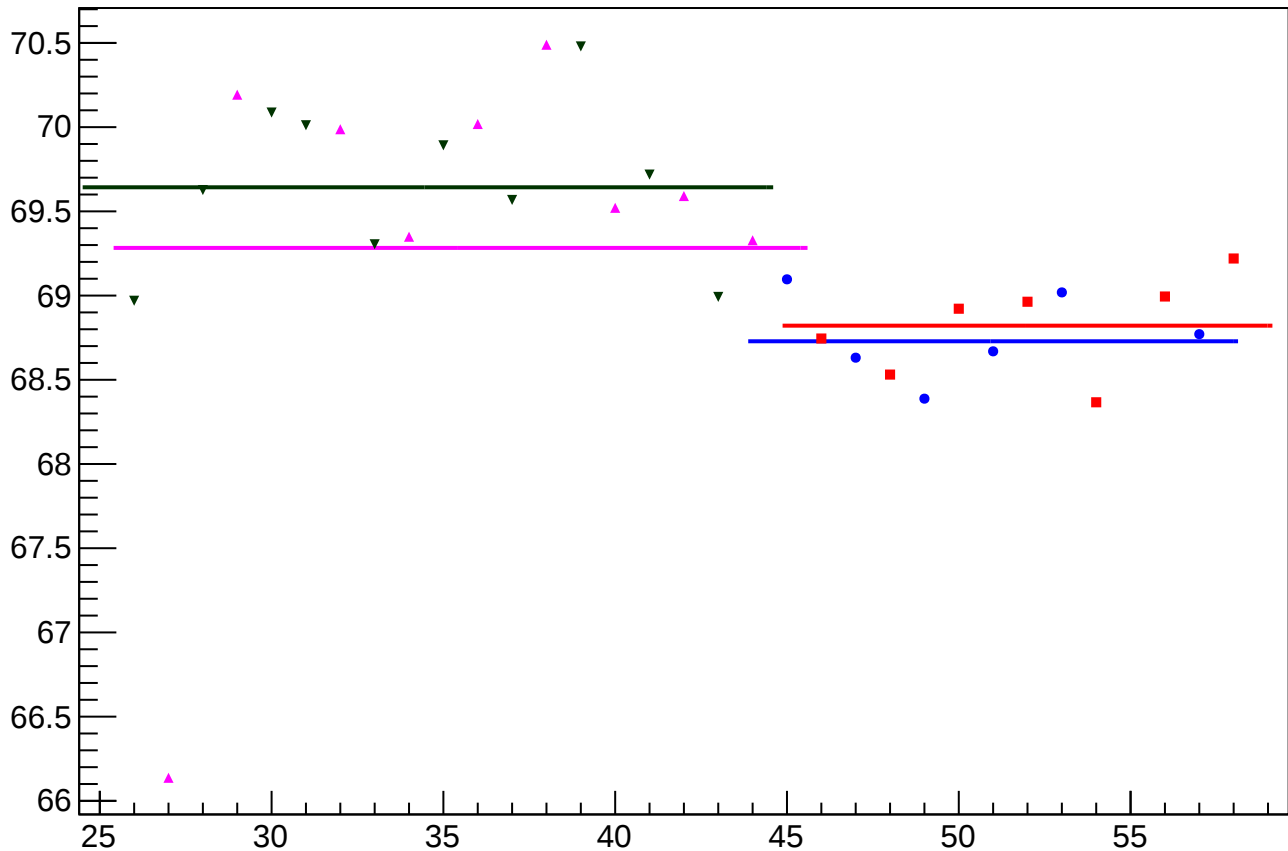
0.188 $\pm$ 0.000 χ^2 /NDF: 85209.5/15

Right Out: 0.197 $\pm$ 0.000 χ^2 /NDF: 4245.2/6

0.188 $\pm$ 0.000 χ^2 /NDF: 46997.8/15

Left In: 0.183 $\pm$ 0.000 χ^2 /NDF:20520.7/8

yield_bcm_an_ds3_mean vs slug



Right In: 68.729 $\pm$ 0.000 χ^2 /NDF: 5400533.4/5

Left Out: 69.643 $\pm$ 0.000 χ^2 /NDF: 27921804.9/9

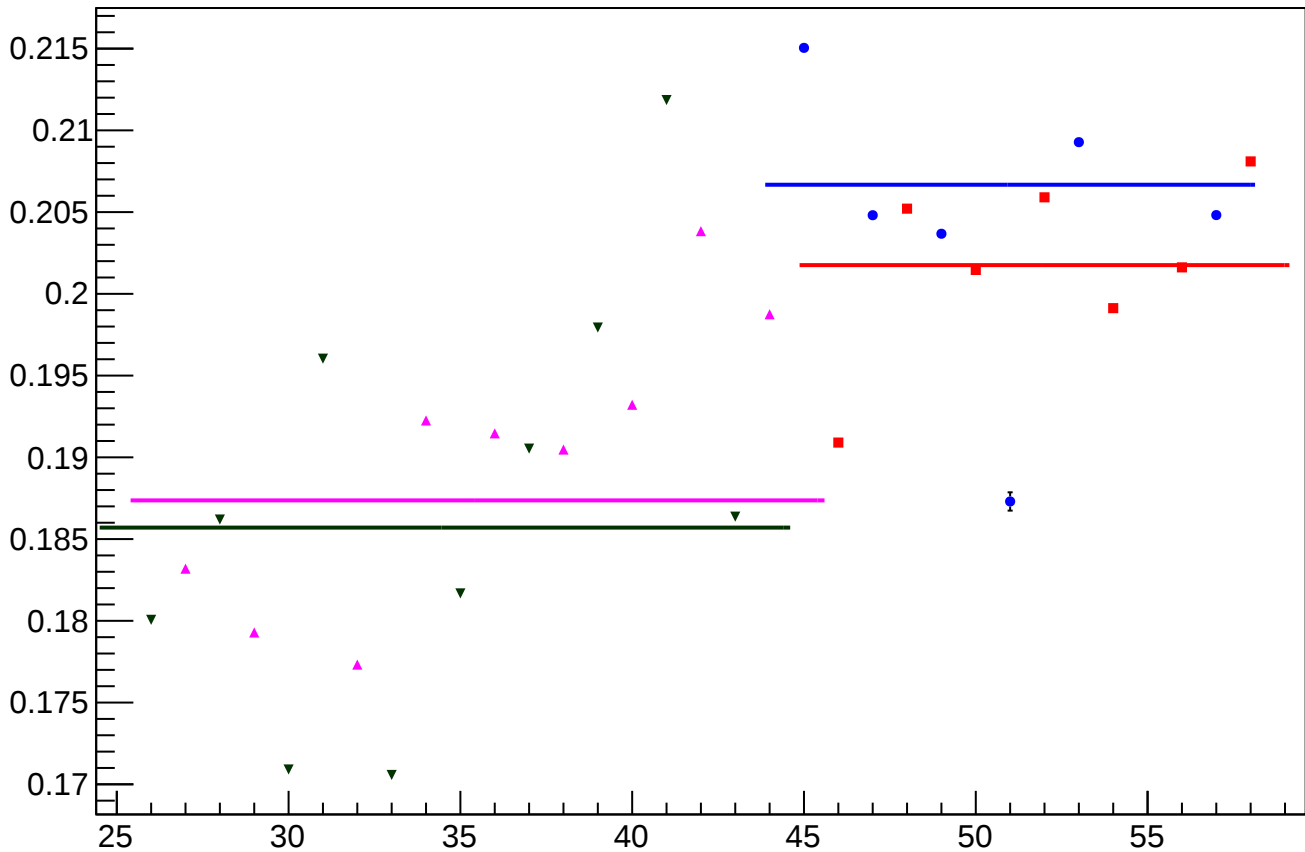
Right Out: 68.821 $\pm$ 0.000 χ^2 /NDF: 6265472.7/6

Left In: 69.283 $\pm$ 0.000 χ^2 /NDF: 304584553.9/8

69.344 $\pm$ 0.000 χ^2 /NDF: 72950801.5/15

69.122 $\pm$ 0.000 χ^2 /NDF: 322357683.7/15

yield_bcm_an_ds3_rms vs slug



Right In: 0.207 $\pm$ 0.000 χ^2 /NDF: 3738.4/5

Left Out: 0.186 $\pm$ 0.000 χ^2 /NDF:39898.3/9

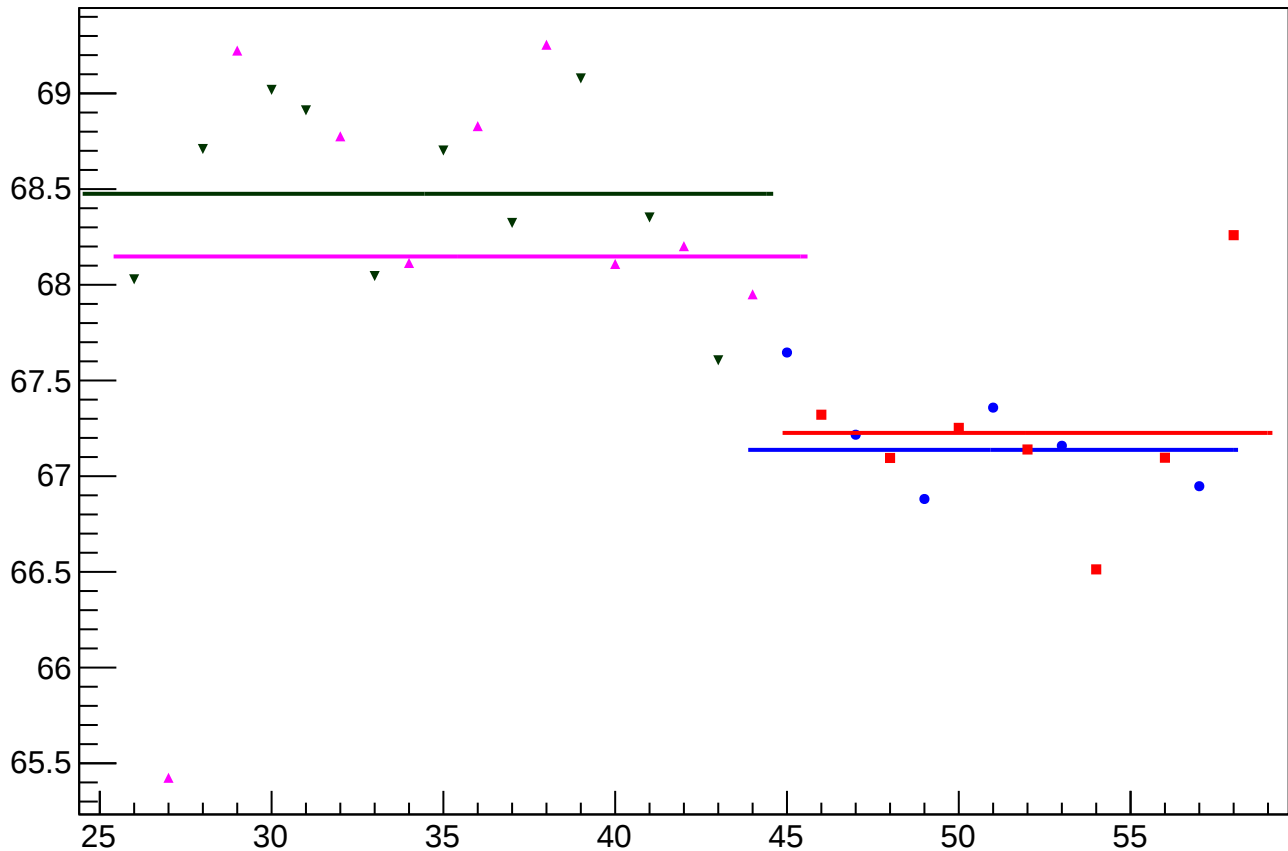
0.193 $\pm$ 0.000 χ^2 /NDF: 85341.8/15

Right Out: 0.202 $\pm$ 0.000 χ^2 /NDF: 4424.0/6

0.192 $\pm$ 0.000 χ^2 /NDF: 48491.2/15

Left In: 0.187 $\pm$ 0.000 χ^2 /NDF:21703.3/8

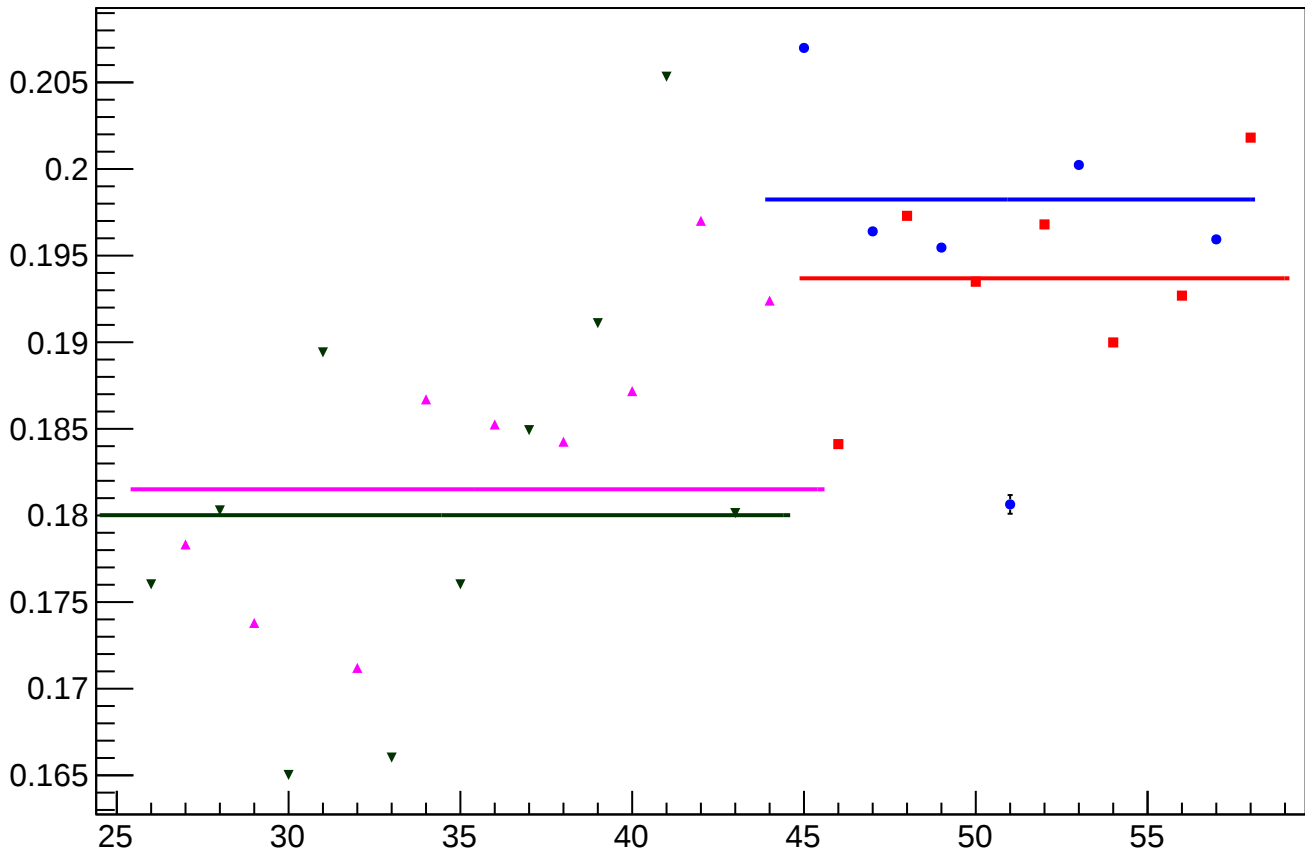
yield_bcm_an_us_mean vs slug



Right In: 67.138+/-0.000 χ^2/NDF : 5875468.8/5
 Left Out: 68.475+/-0.000 χ^2/NDF : 31409059.3/9
 Right Out: 67.226+/-0.000 χ^2/NDF : 21522709.5/6
 Left In: 68.148+/-0.000 χ^2/NDF : 258142323.5/8

68.031+/-0.000 χ^2/NDF : 128815917.9/15
 67.822+/-0.000 χ^2/NDF : 329120489.4/15

yield_bcm_an_us_rms vs slug



Right In: 0.198 $\pm$ 0.000 χ^2/NDF : 3911.4/5

Left Out: 0.180 $\pm$ 0.000 χ^2/NDF : 38903.0/9

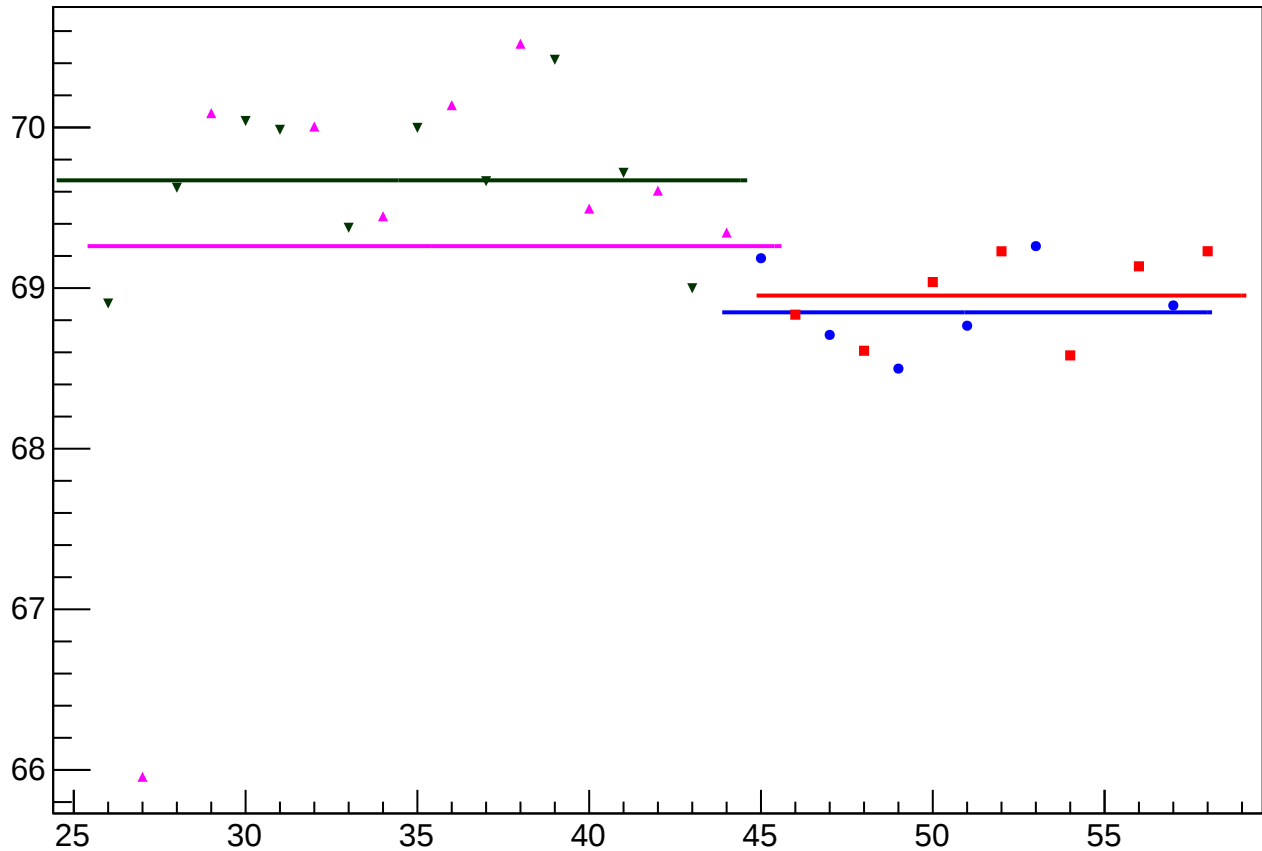
Right Out: 0.194 $\pm$ 0.000 χ^2/NDF : 4825.1/6

Left In: 0.182 $\pm$ 0.000 χ^2/NDF : 21618.7/8

0.186 $\pm$ 0.000 χ^2/NDF : 76782.6/15

0.186 $\pm$ 0.000 χ^2/NDF : 43712.1/15

yield_bcm_dg_us_mean vs slug



Right In: 68.849+/-0.000 χ^2/NDF : 5810010.0/5

Left Out: 69.671+/-0.000 χ^2/NDF : 26242172.7/9

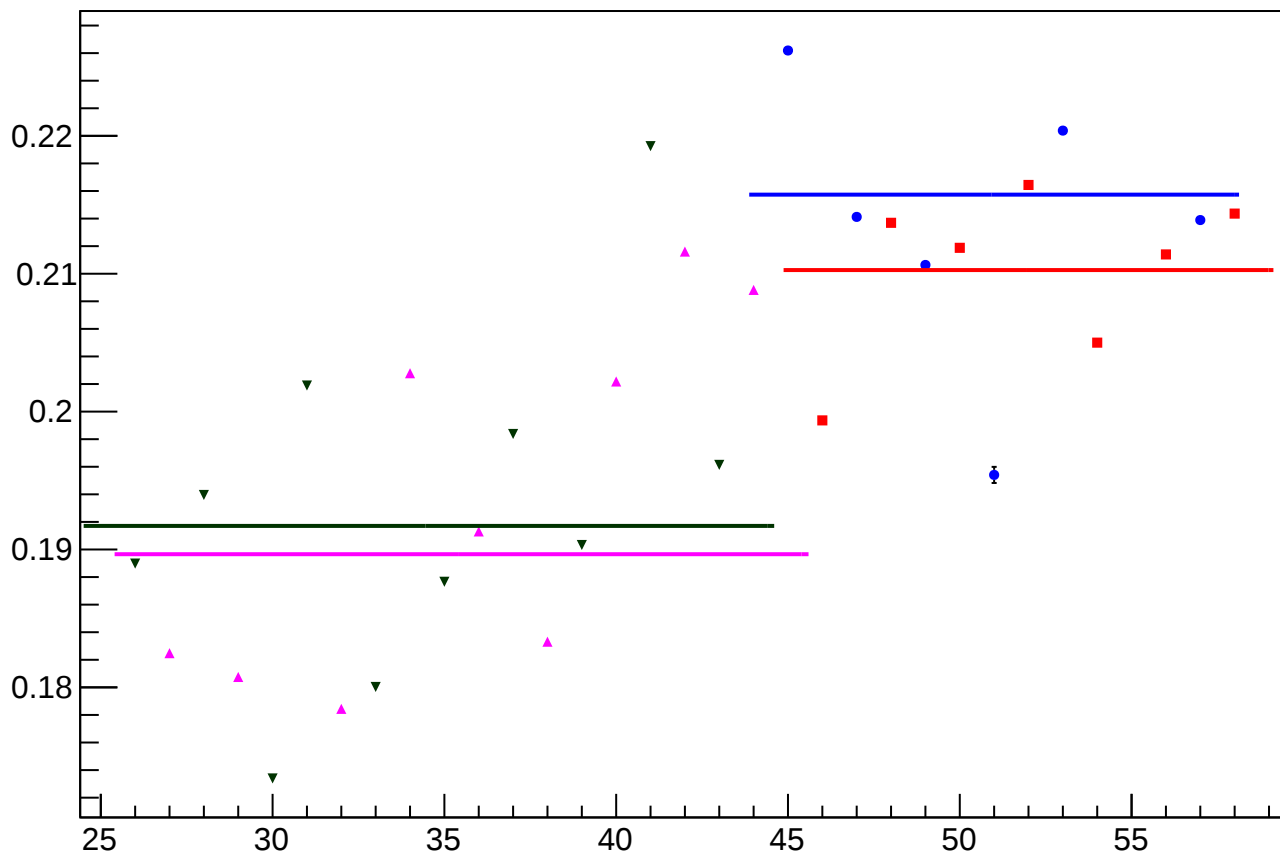
Right Out: 68.953+/-0.000 χ^2/NDF : 5092825.9/6

Left In: 69.261+/-0.000 χ^2/NDF : 334102481.9/8

69.406+/-0.000 χ^2/NDF : 61664828.3/15

69.157+/-0.000 χ^2/NDF : 343987762.0/15

yield_bcm_dg_us_rms vs slug



Right In: 0.216 $\pm$ 0.000 χ^2/NDF : 5432.3/5

Left Out: 0.192 $\pm$ 0.000 χ^2/NDF : 37598.0/9

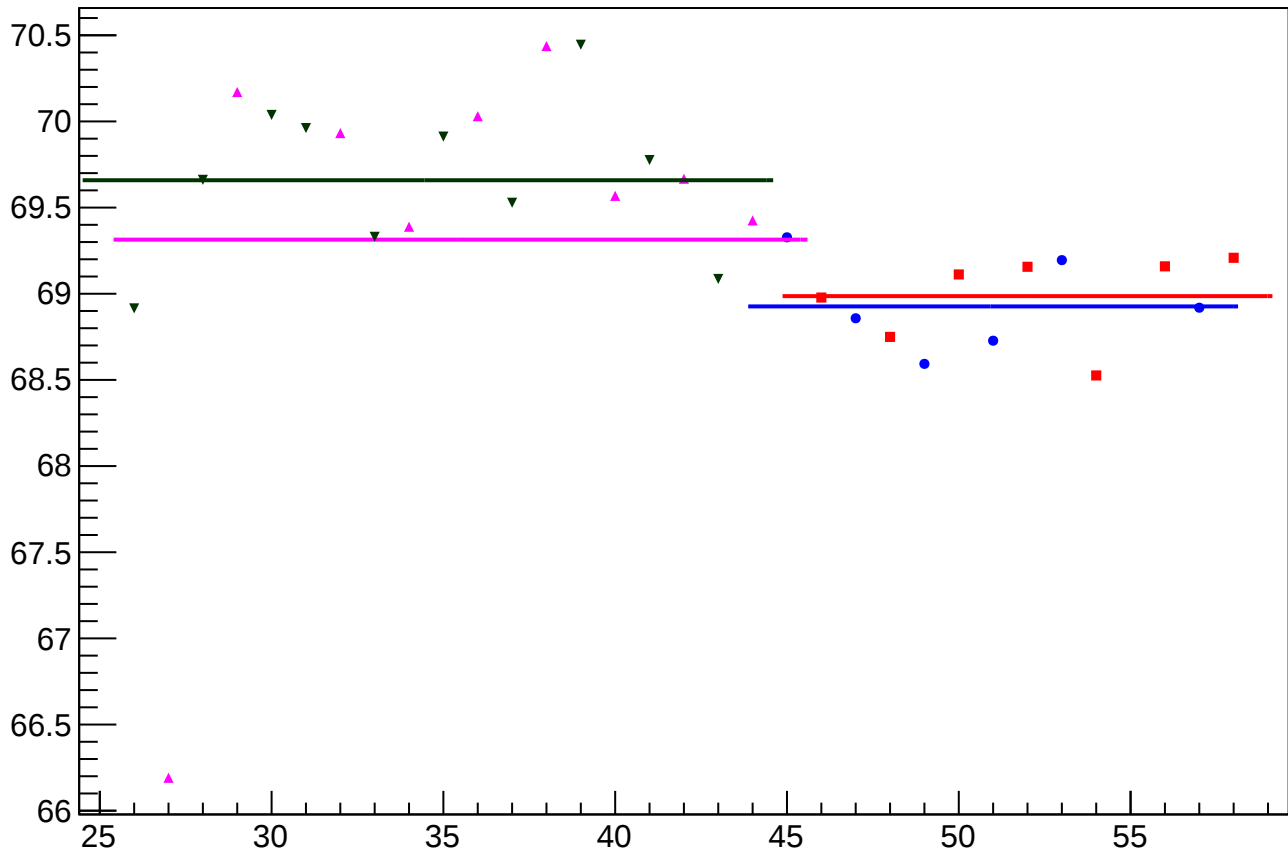
Right Out: 0.210 $\pm$ 0.000 χ^2/NDF : 4640.6/6

Left In: 0.190 $\pm$ 0.000 χ^2/NDF : 41564.7/8

0.199 $\pm$ 0.000 χ^2/NDF : 93645.6/15

0.197 $\pm$ 0.000 χ^2/NDF : 89217.8/15

yield_bcm_dg_ds_mean vs slug



Right In: 68.926+/-0.000 χ^2/NDF : 5312880.3/5

Left Out: 69.659+/-0.000 χ^2/NDF : 25938166.8/9

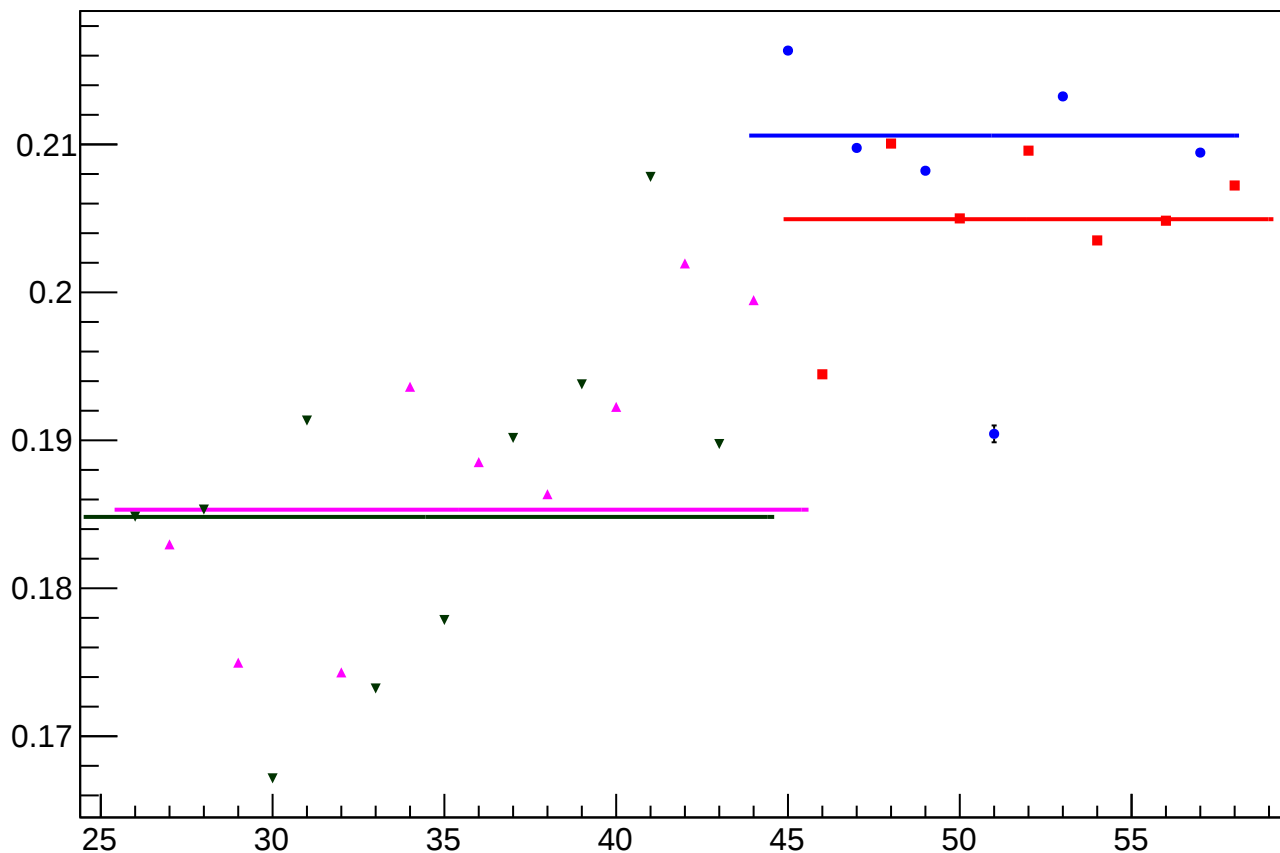
Right Out: 68.986+/-0.000 χ^2/NDF : 4690693.5/6

Left In: 69.314+/-0.000 χ^2/NDF : 295105046.6/8

69.427+/-0.000 χ^2/NDF : 56126316.0/15

69.203+/-0.000 χ^2/NDF : 305522096.1/15

yield_bcm_dg_ds_rms vs slug



Right In: 0.211+/-0.000 χ^2/NDF : 2544.4/5

Left Out: 0.185+/-0.000 χ^2/NDF : 35228.3/9

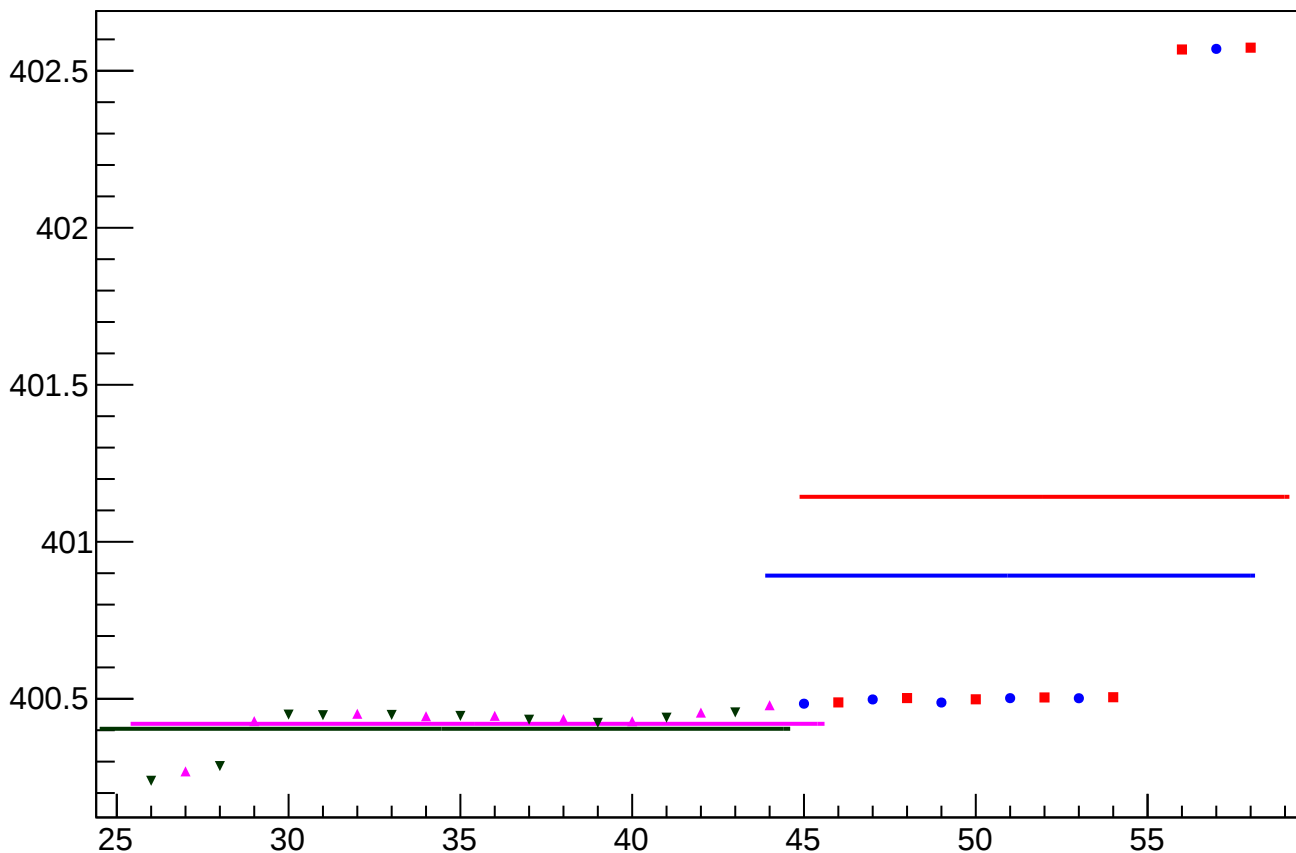
Right Out: 0.205+/-0.000 χ^2/NDF : 3541.5/6

Left In: 0.185+/-0.000 χ^2/NDF : 27999.5/8

0.193+/-0.000 χ^2/NDF : 99413.1/15

0.192+/-0.000 χ^2/NDF : 72619.9/15

yield_cav4bQ_mean vs slug



Right In: 400.892+/-0.000 χ^2/NDF : 47922947226.0/5

Left Out: 400.405+/-0.000 χ^2/NDF : 612909021.6/9

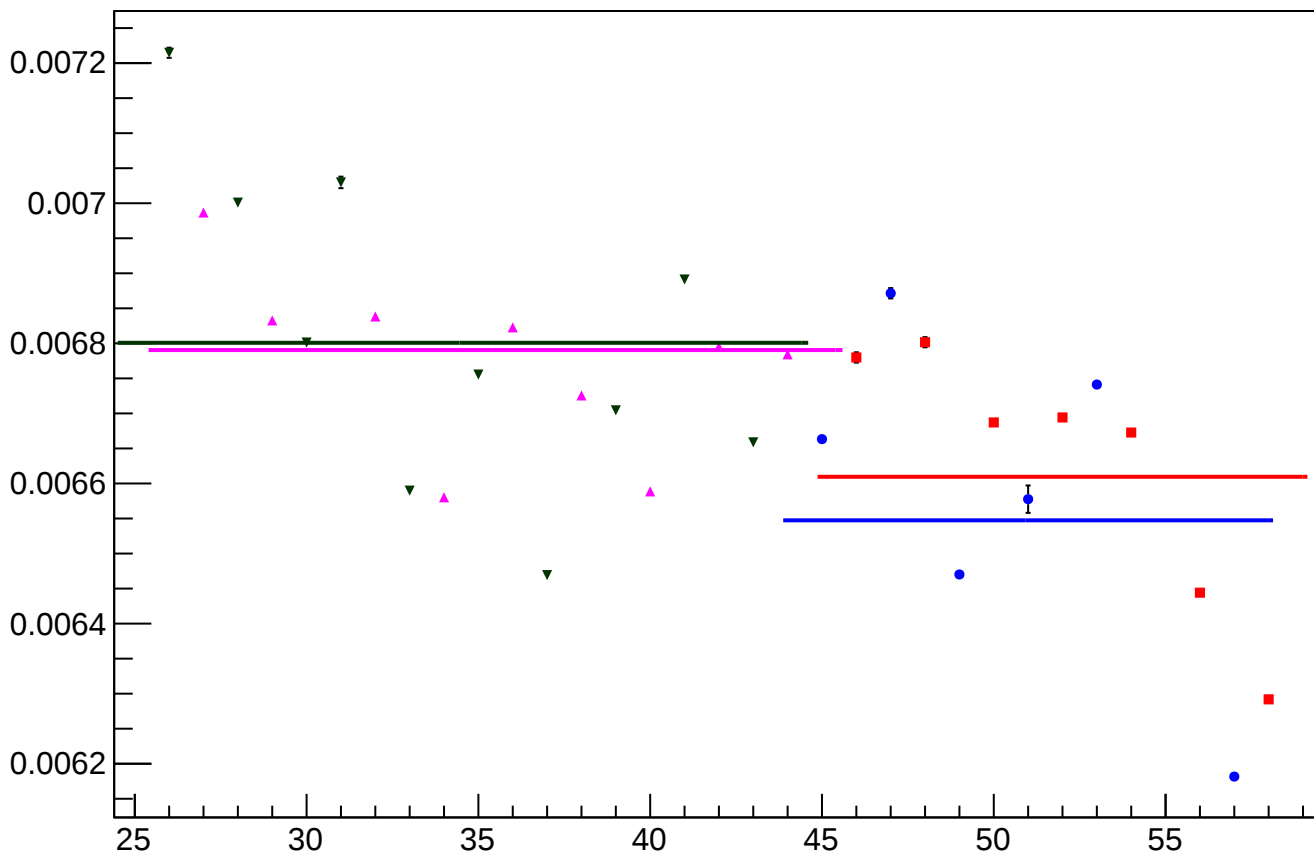
400.594+/-0.000 χ^2/NDF : 58928665631.8/15

Right Out: 401.143+/-0.000 χ^2/NDF : 73083720891.1/6

400.705+/-0.000 χ^2/NDF : 98790205531.1/15

Left In: 400.420+/-0.000 χ^2/NDF : 493855654.6/8

yield_cav4bQ_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 7072.0/5

Left Out: 0.007+/-0.000 χ^2/NDF : 9984.5/9

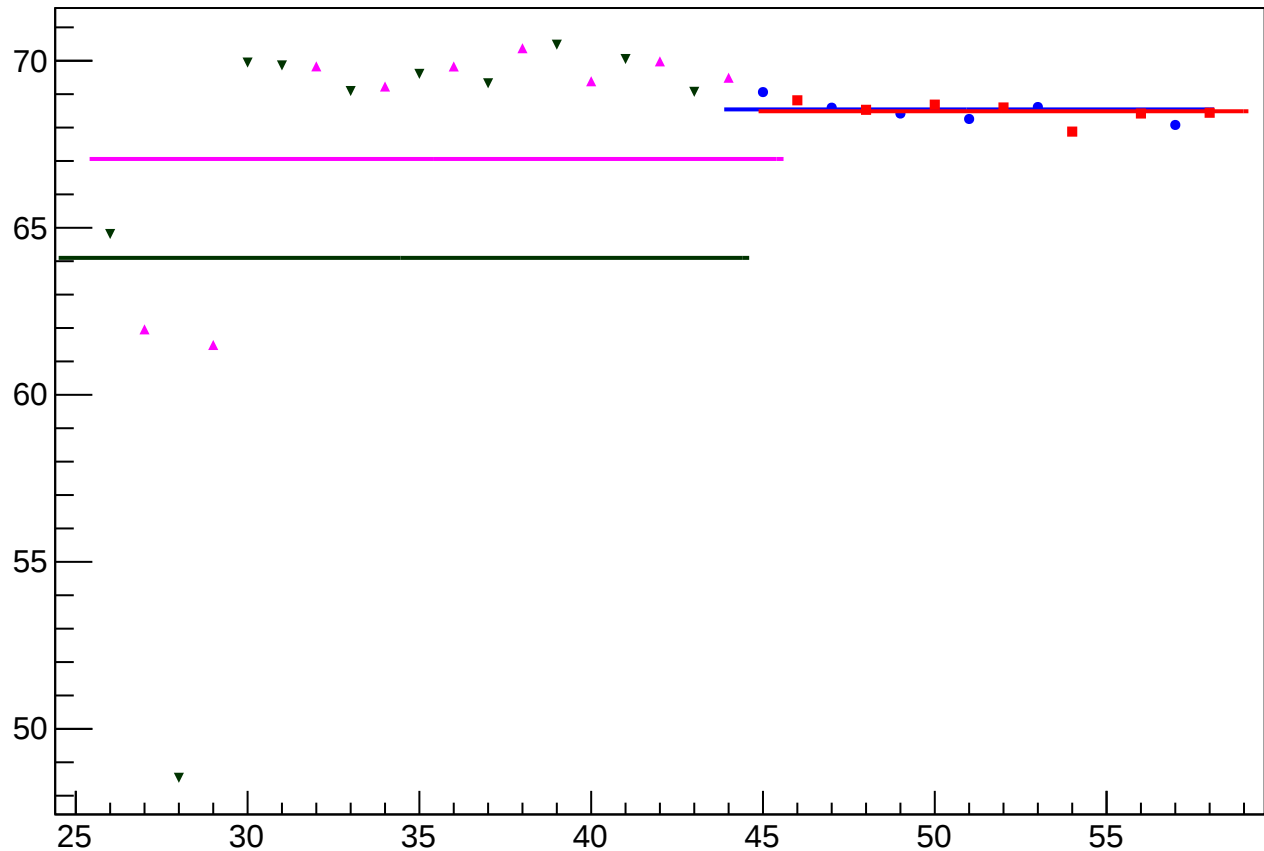
Right Out: 0.007+/-0.000 χ^2/NDF : 4946.4/6

Left In: 0.007+/-0.000 χ^2/NDF : 3569.0/8

0.007+/-0.000 χ^2/NDF : 22665.9/15

0.007+/-0.000 χ^2/NDF : 11672.0/15

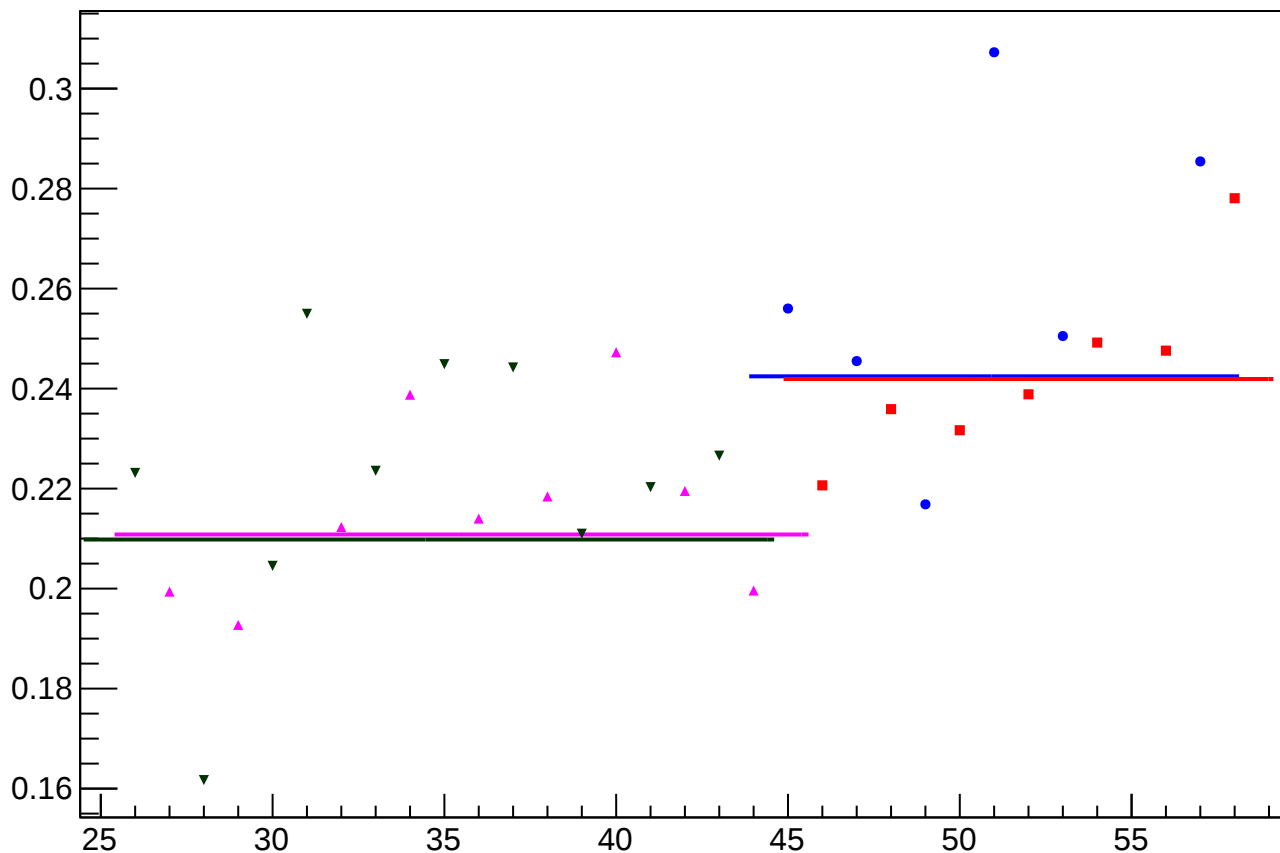
yield_cav4cQ_mean vs slug



Right In: 68.544+/-0.000 χ^2/NDF : 4038072.8/5
 Left Out: 64.100+/-0.000 χ^2/NDF :8515869637.9/9
 Right Out: 68.488+/-0.000 χ^2/NDF : 4460817.3/6
 Left In: 67.060+/-0.000 χ^2/NDF :1652976727.1/8

65.500+/-0.000 χ^2/NDF : 9176461483.0/15
 67.526+/-0.000 χ^2/NDF : 1733377360.4/15

yield_cav4cQ_rms vs slug



Right In: 0.242 $\pm$ 0.000 χ^2 /NDF: 56856.2/5

Left Out: 0.210 $\pm$ 0.000 χ^2 /NDF:194381.5/9

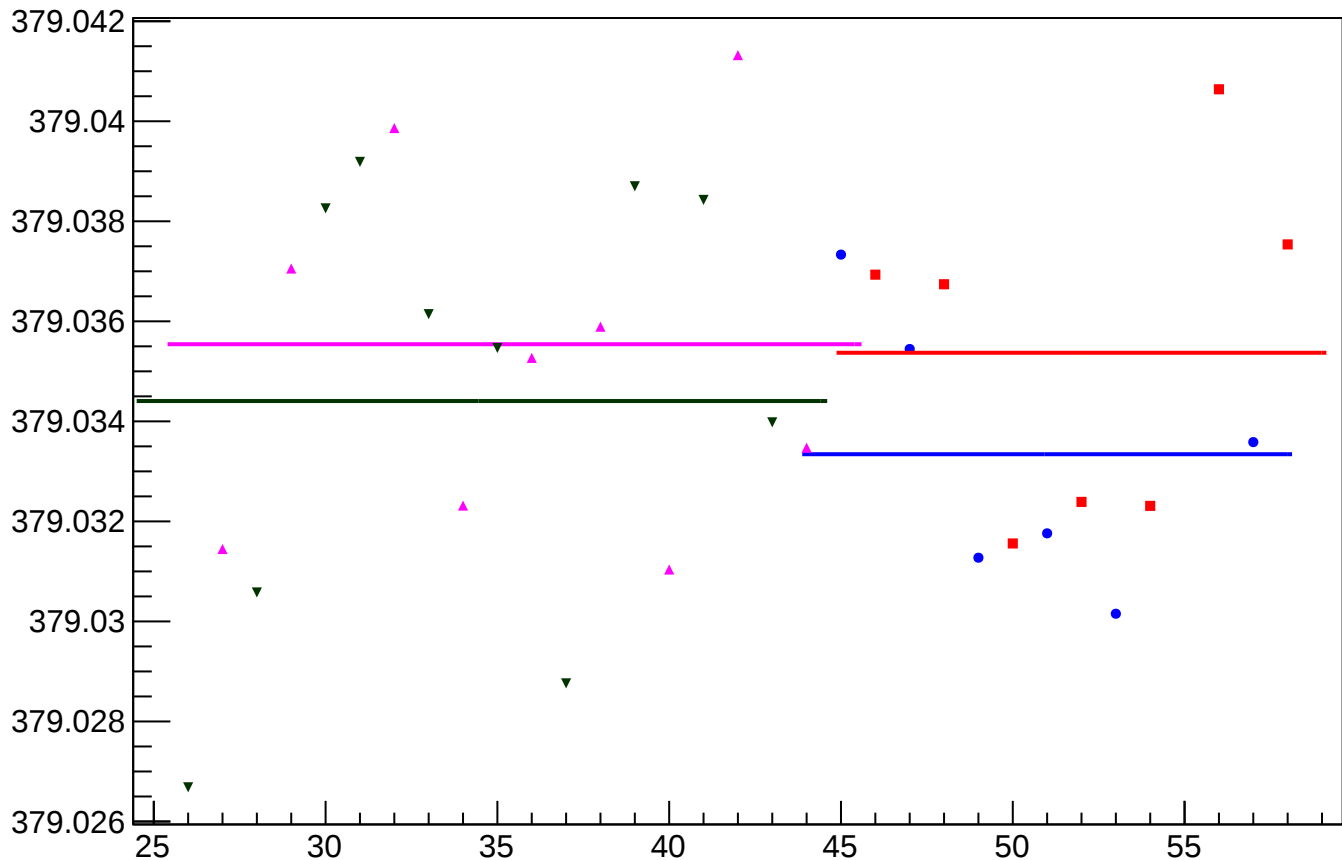
Right Out: 0.242 $\pm$ 0.000 χ^2 /NDF: 28232.3/6

Left In: 0.211 $\pm$ 0.000 χ^2 /NDF:55422.0/8

0.220 $\pm$ 0.000 χ^2 /NDF: 322052.9/15

0.221 $\pm$ 0.000 χ^2 /NDF: 155664.1/15

yield_cav4dQ_mean vs slug



Right In: 379.033+/-0.000 χ^2/NDF : 438715.9/5

Left Out: 379.034+/-0.000 χ^2/NDF :1980422.2/9

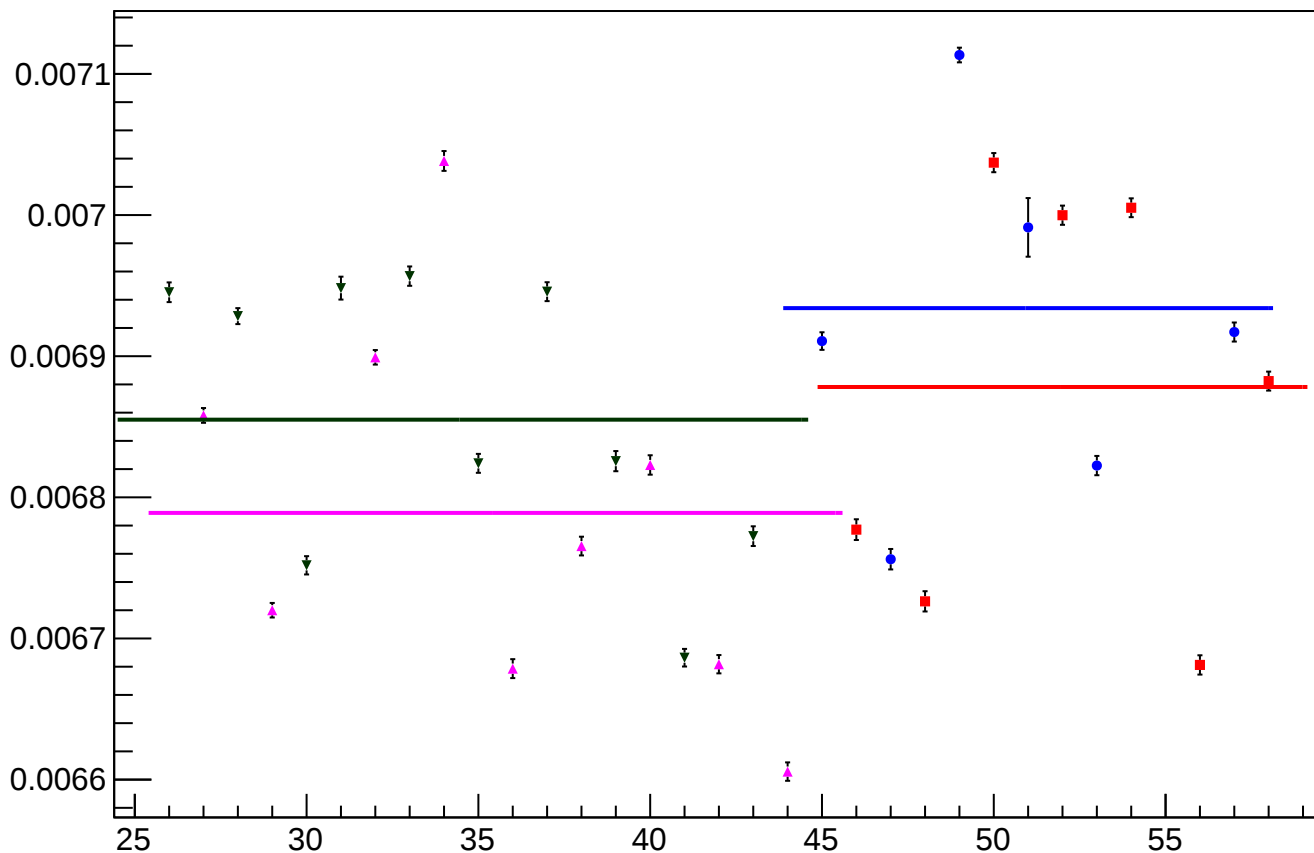
379.034+/-0.000 χ^2/NDF : 2464919.0/15

Right Out: 379.035+/-0.000 χ^2/NDF : 748376.8/6

379.035+/-0.000 χ^2/NDF : 2218809.3/15

Left In: 379.036+/-0.000 χ^2/NDF :1469093.4/8

yield_cav4dQ_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 2081.7/5

Left Out: 0.007+/-0.000 χ^2/NDF : 2032.2/9

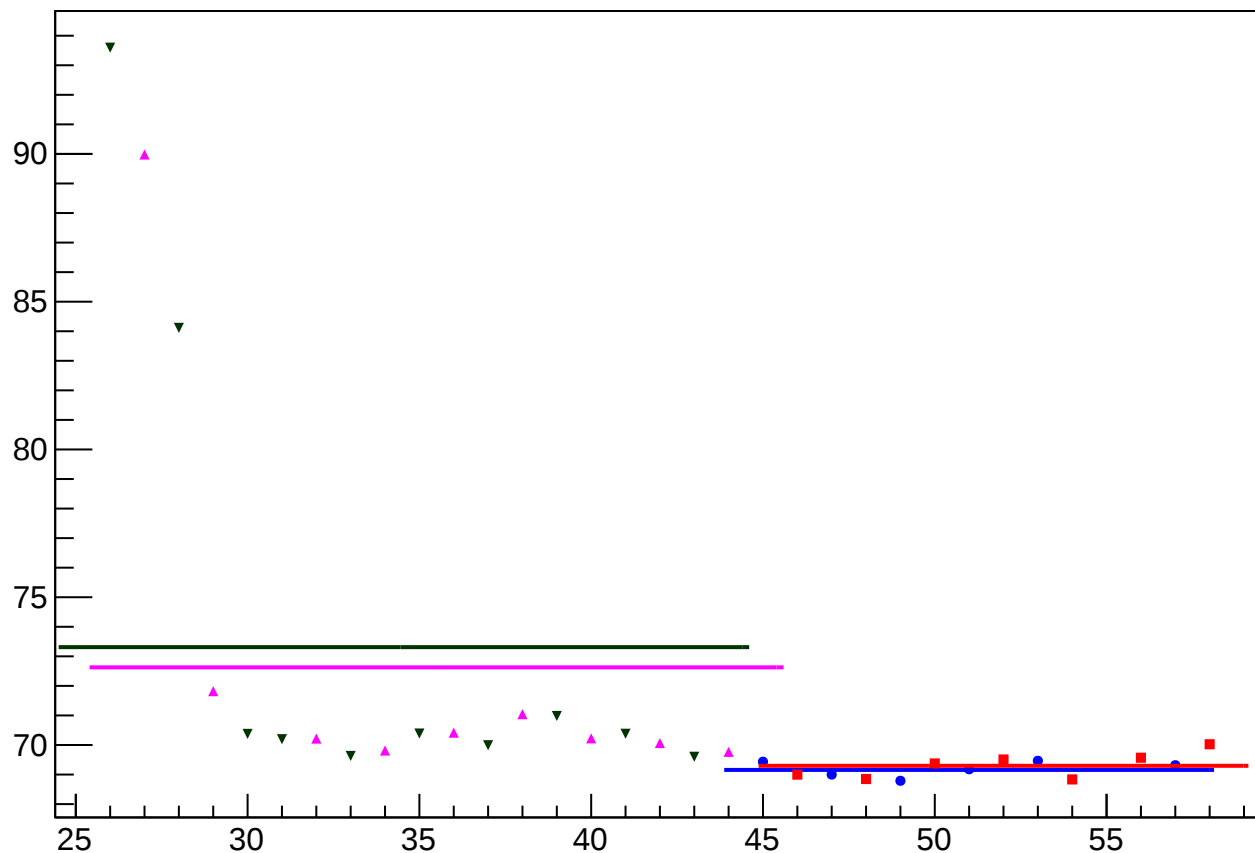
Right Out: 0.007+/-0.000 χ^2/NDF : 2697.3/6

Left In: 0.007+/-0.000 χ^2/NDF : 3439.6/8

0.007+/-0.000 χ^2/NDF : 4619.6/15

0.007+/-0.000 χ^2/NDF : 6869.1/15

yield_bcm0l02_mean vs slug



Right In: 69.157+/-0.000 χ^2/NDF : 3122307.9/5

Left Out: 73.311+/-0.000 χ^2/NDF : 3714317508.5/9

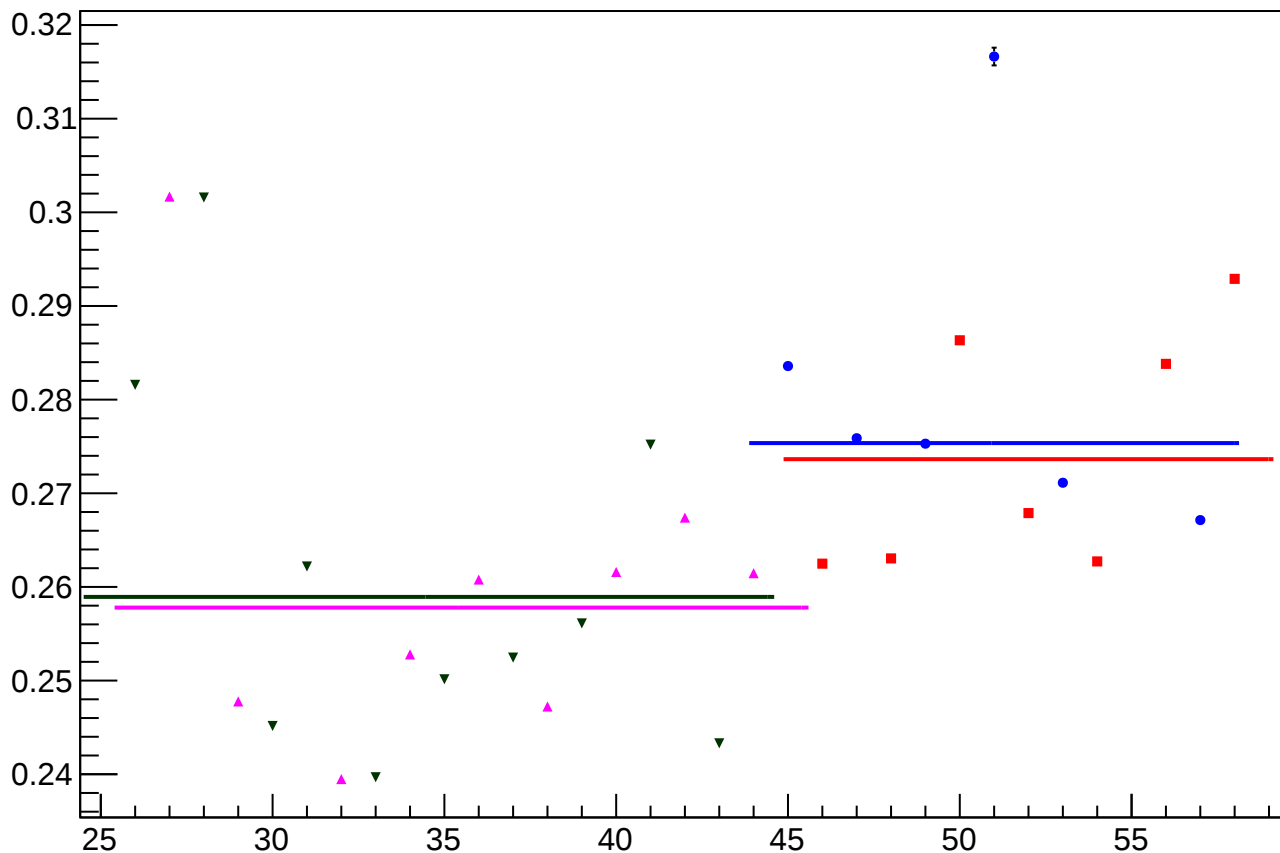
Right Out: 69.297+/-0.000 χ^2/NDF : 7160275.1/6

Left In: 72.627+/-0.000 χ^2/NDF : 2928974770.7/8

71.843+/-0.000 χ^2/NDF : 4151576295.1/15

71.437+/-0.000 χ^2/NDF : 3249616151.9/15

yield_bcm0l02_rms vs slug



Right In: 0.275+/-0.000 χ^2/NDF : 4089.6/5

Left Out: 0.259+/-0.000 χ^2/NDF : 47766.7/9

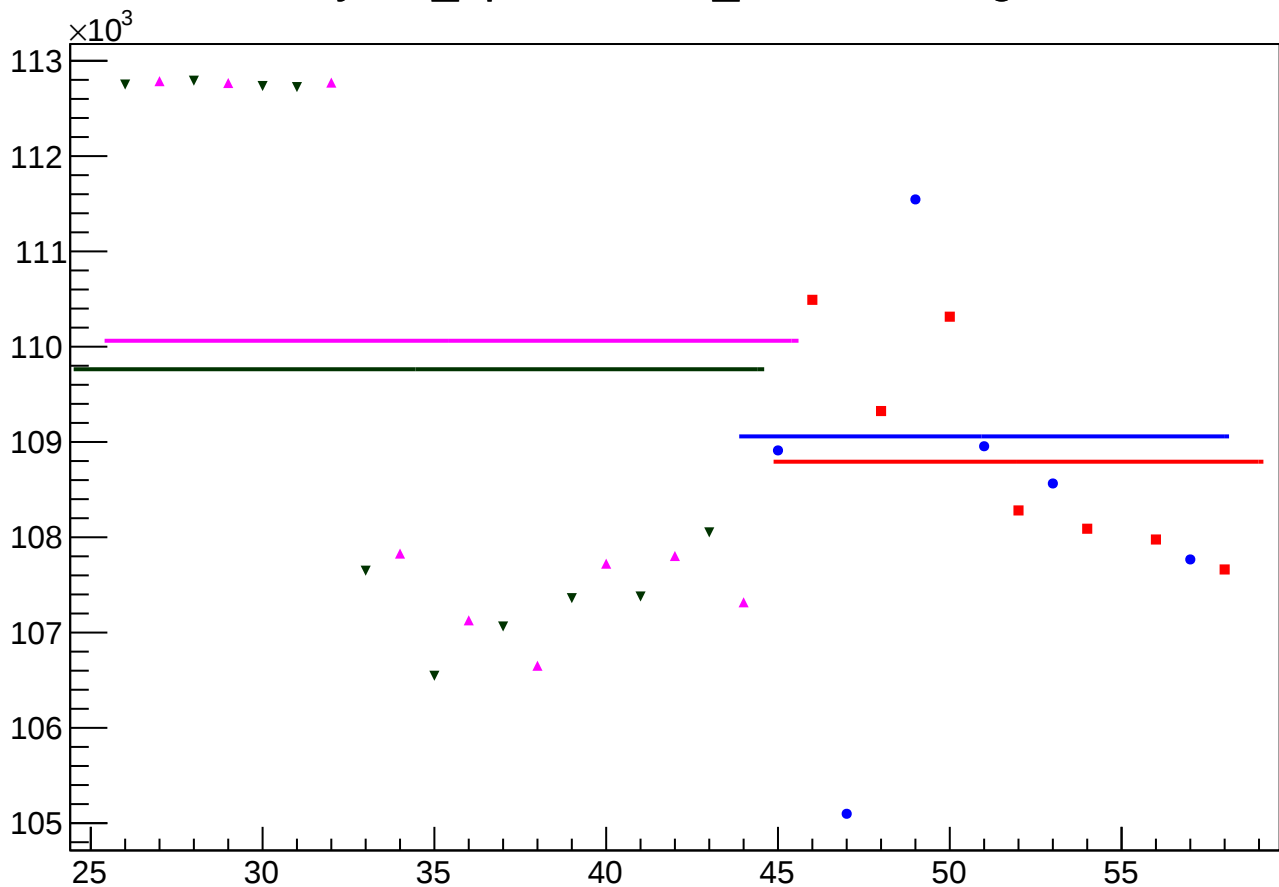
Right Out: 0.274+/-0.000 χ^2/NDF : 12524.4/6

Left In: 0.258+/-0.000 χ^2/NDF : 49222.3/8

0.265+/-0.000 χ^2/NDF : 65430.3/15

0.263+/-0.000 χ^2/NDF : 75944.7/15

yield_bpm2i01WS_mean vs slug



Right In: 109058.654 $\pm$ 0.078 χ^2 /NDF: 702861624.8/5

Left Out: 109763.312 $\pm$ 0.054 χ^2 /NDF: 2585526424.9/9

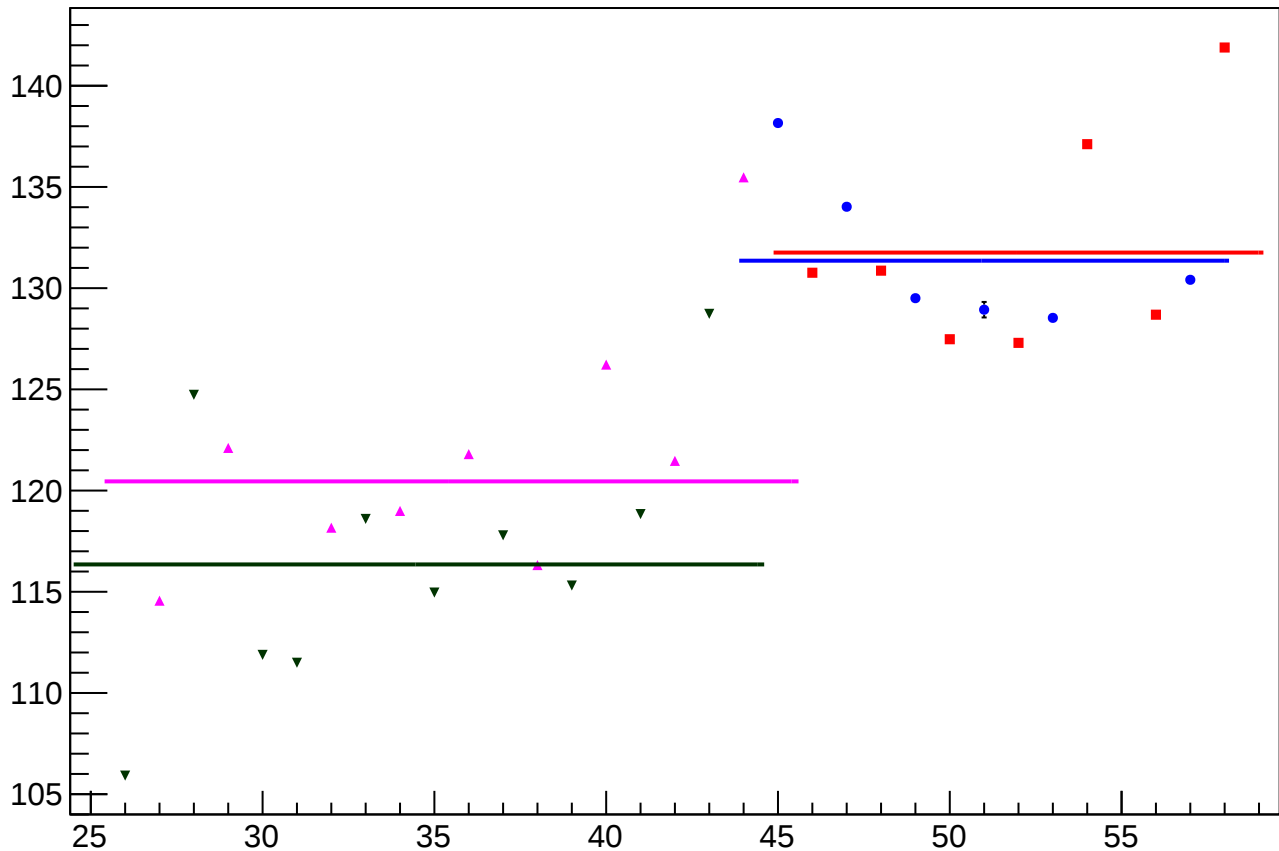
Right Out: 108793.019 $\pm$ 0.073 χ^2 /NDF: 199864324.4/6

Left In: 110062.231 $\pm$ 0.053 χ^2 /NDF: 2589926778.7/8

109537.038 $\pm$ 0.044 χ^2 /NDF: 3343455604.7/15

109623.036 $\pm$ 0.043 χ^2 /NDF: 2986267446.3/15

yield_bpm2i01WS_rms vs slug



Right In: 131.357 ± 0.055 χ^2/NDF : 3552.2/5

Left Out: 116.351 ± 0.038 χ^2/NDF : 26842.3/9

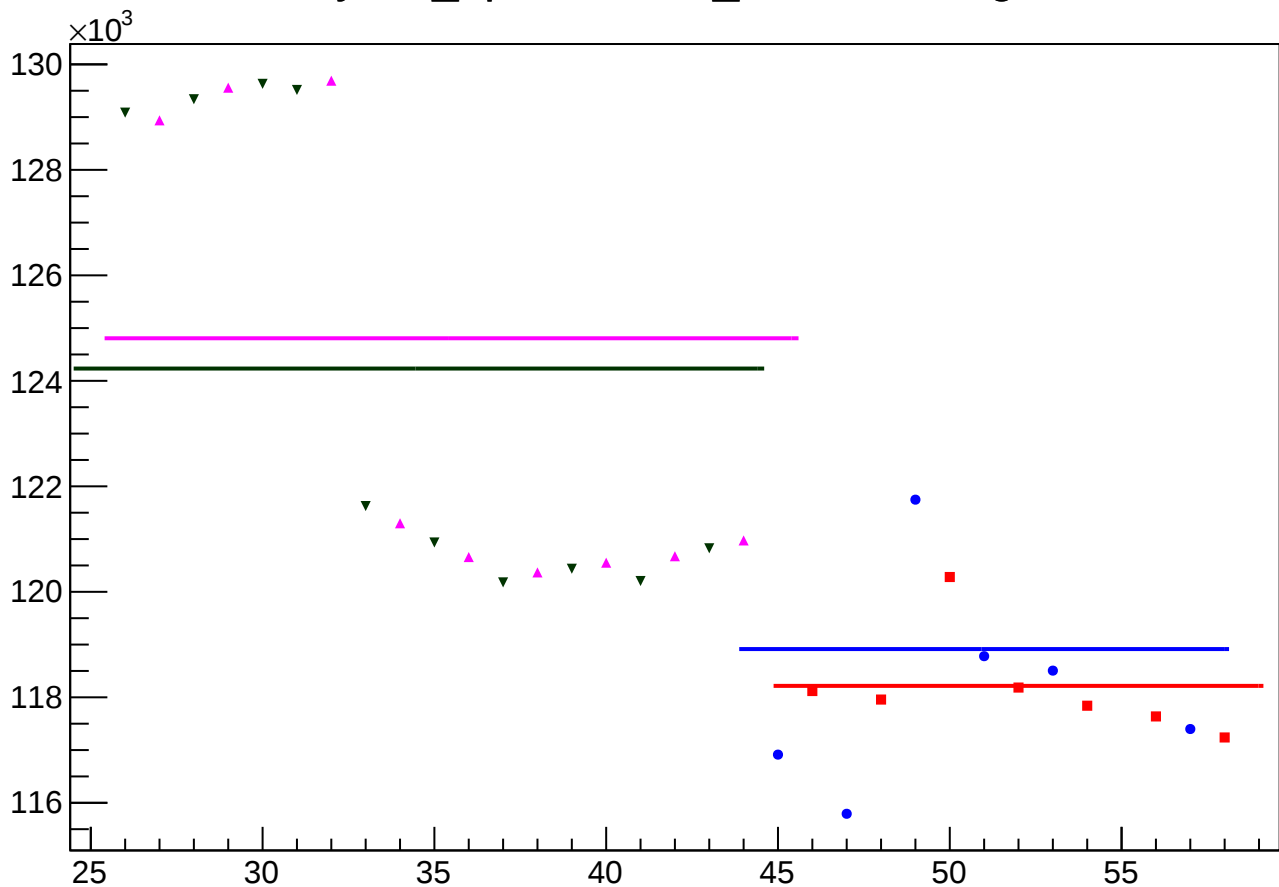
Right Out: 131.758 ± 0.052 χ^2/NDF : 9861.6/6

Left In: 120.454 ± 0.038 χ^2/NDF : 19093.6/8

121.170 ± 0.031 χ^2/NDF : 80342.1/15

124.366 ± 0.030 χ^2/NDF : 60129.4/15

yield_bpm0i07WS_mean vs slug



Right In: 118914.867 $\pm$ 0.120 χ^2 /NDF: 336942176.2/5

Left Out: 124233.008 $\pm$ 0.092 χ^2 /NDF: 2216187419.4/9

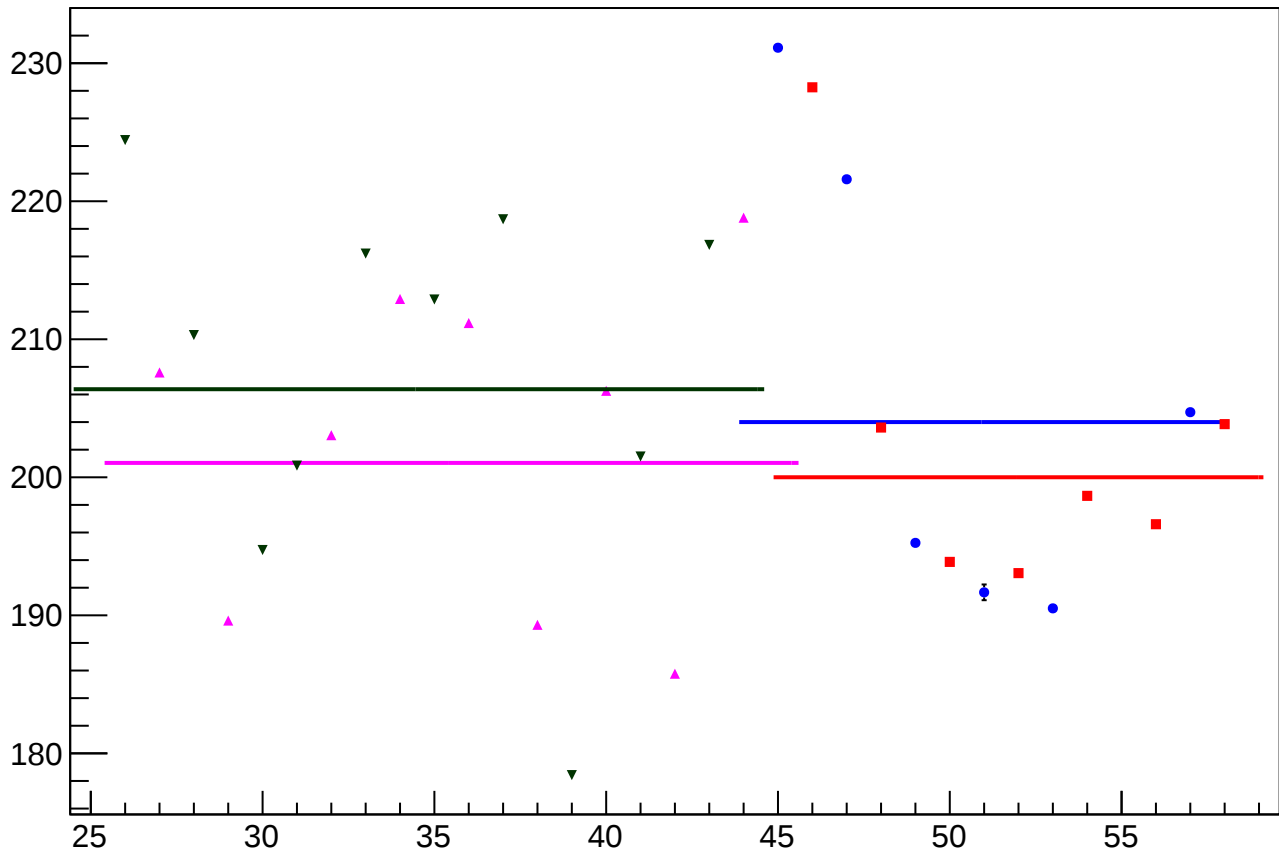
Right Out: 118216.982 $\pm$ 0.110 χ^2 /NDF: 77056291.3/6

Left In: 124806.973 $\pm$ 0.085 χ^2 /NDF: 2610337744.8/8

122273.119 $\pm$ 0.073 χ^2 /NDF: 3793162637.1/15

122350.226 $\pm$ 0.067 χ^2 /NDF: 4926038139.1/15

yield_bpm0i07WS_rms vs slug



Right In: 204.001 ± 0.085 χ^2/NDF : 28719.0/5

Left Out: 206.382 ± 0.065 χ^2/NDF : 41185.7/9

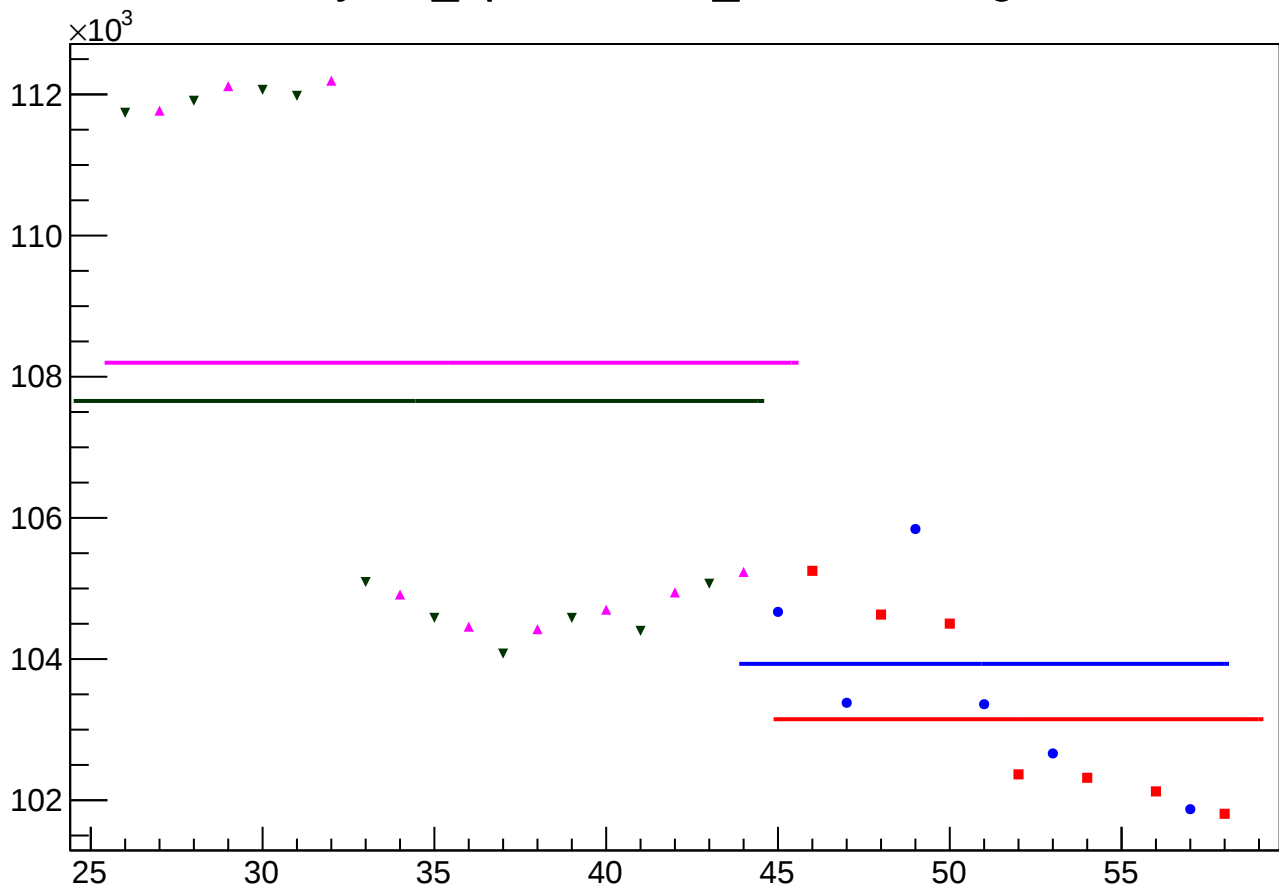
Right Out: 200.003 ± 0.078 χ^2/NDF : 12250.2/6

Left In: 201.043 ± 0.060 χ^2/NDF : 31613.9/8

205.504 ± 0.052 χ^2/NDF : 70401.6/15

200.655 ± 0.048 χ^2/NDF : 43975.6/15

yield_bpm0l01WS_mean vs slug



Right In: 103932.347 $\pm$ 0.078 χ^2 /NDF: 398498321.6/5

Left Out: 107656.991 $\pm$ 0.050 χ^2 /NDF: 5135639688.0/9

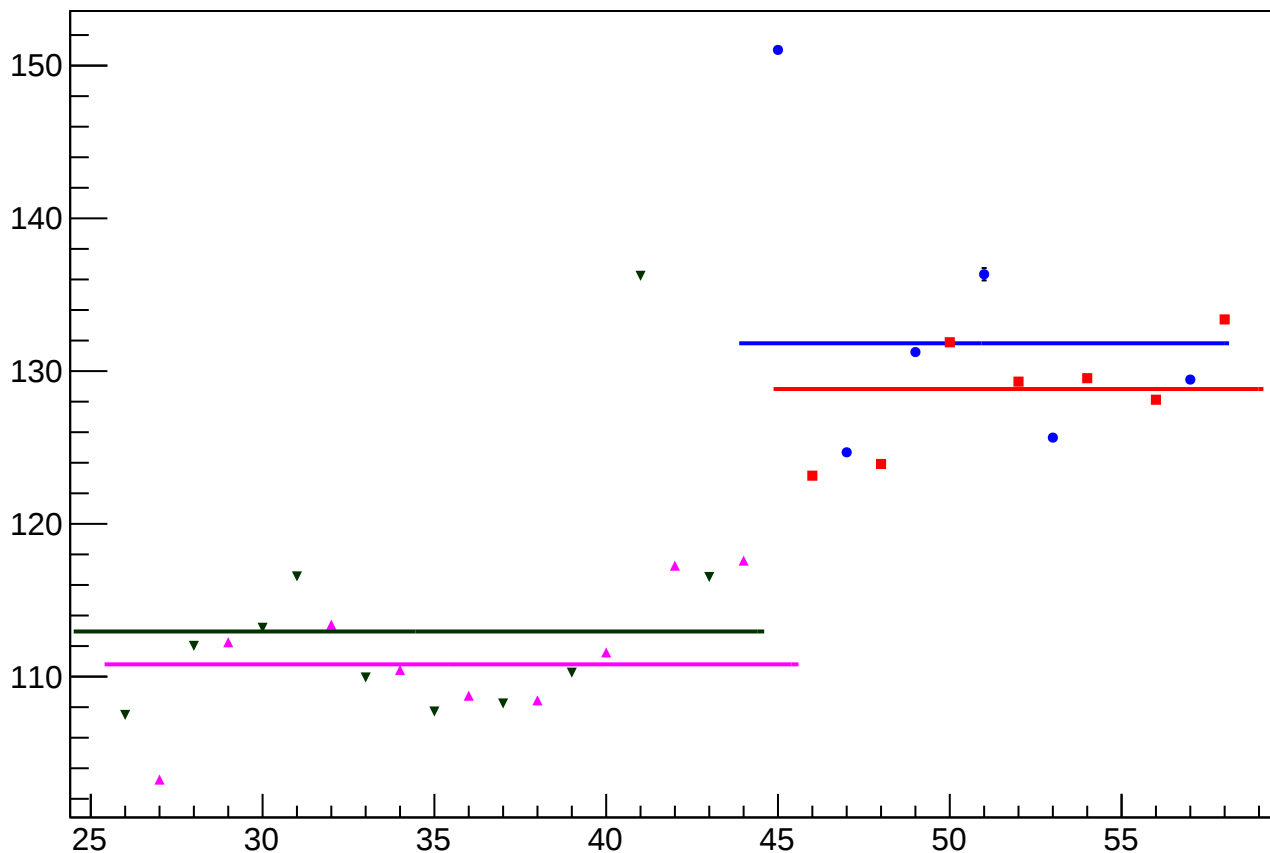
Right Out: 103147.758 $\pm$ 0.071 χ^2 /NDF: 320799678.1/6

Left In: 108198.580 $\pm$ 0.047 χ^2 /NDF: 5989856583.8/8

106556.543 $\pm$ 0.042 χ^2 /NDF: 7149991678.4/15

106670.051 $\pm$ 0.039 χ^2 /NDF: 9822384558.4/15

yield_bpm0l01WS_rms vs slug



Right In: 131.821+/-0.055 χ^2/NDF : 22477.6/5

Left Out: 112.955+/-0.036 χ^2/NDF : 43068.9/9

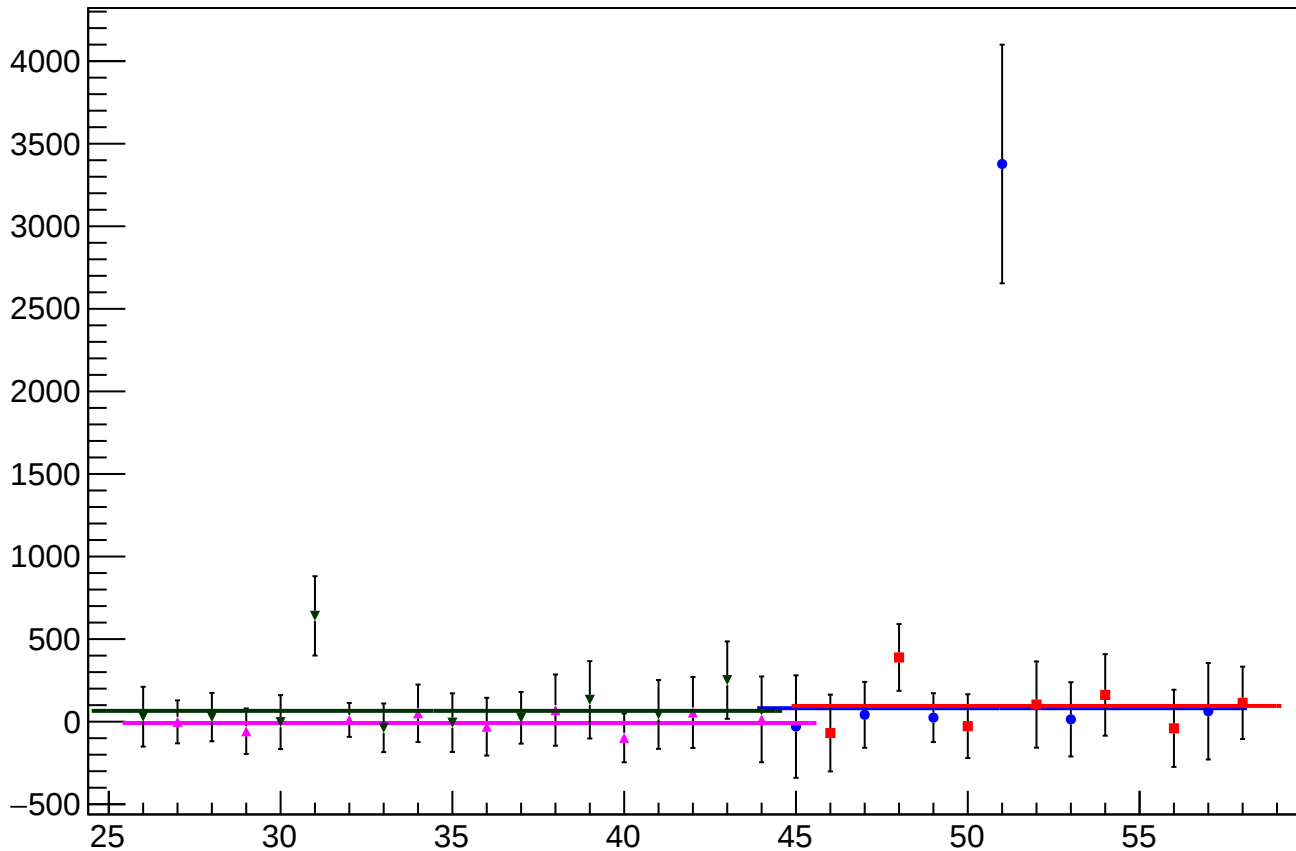
Right Out: 128.827+/-0.050 χ^2/NDF : 4367.6/6

Left In: 110.804+/-0.033 χ^2/NDF : 17540.0/8

118.529+/-0.030 χ^2/NDF : 148464.2/15

116.258+/-0.028 χ^2/NDF : 111343.9/15

asym_bcm_an_ds_mean vs slug



Right In: 81.516 ± 93.402 χ^2/NDF : 21.2/5

Left Out: 65.484 ± 56.811 χ^2/NDF : 7.5/9

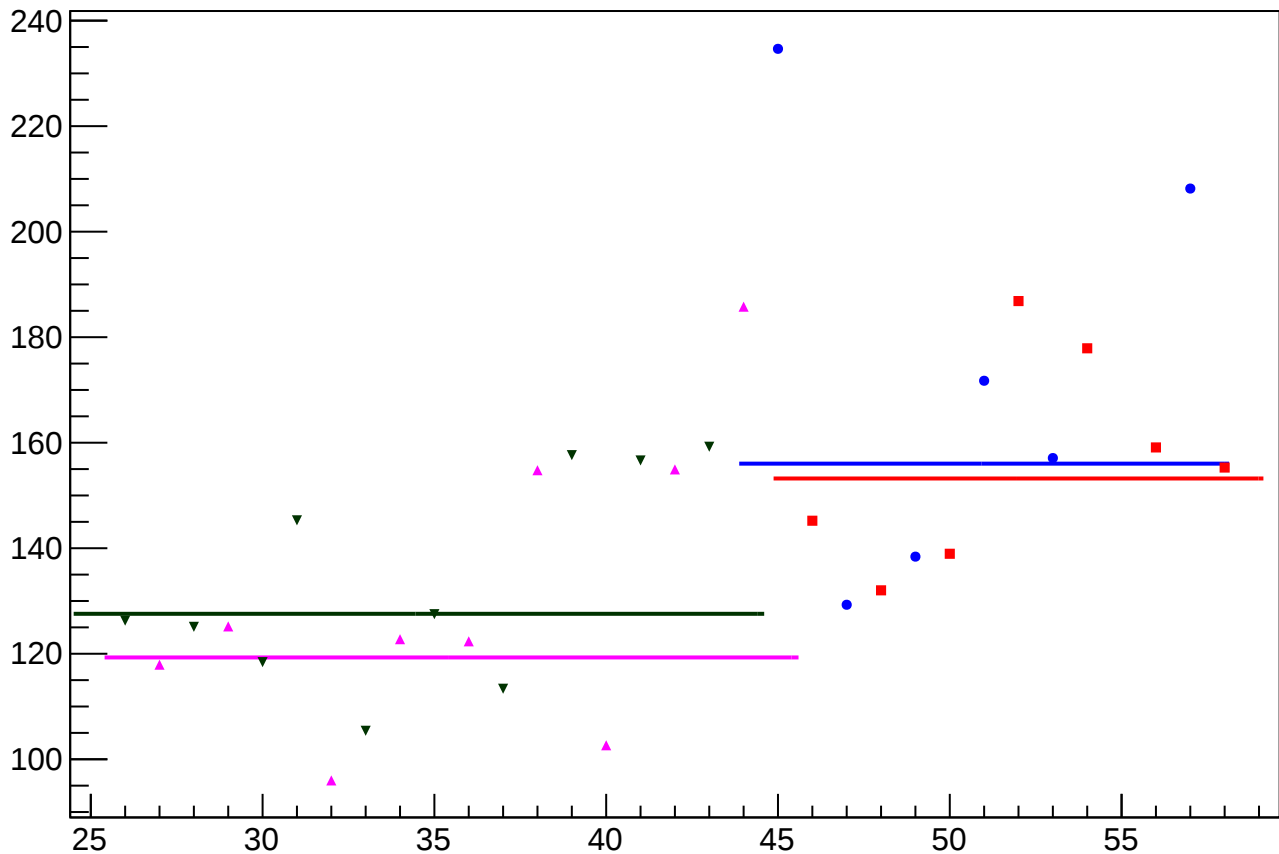
Right Out: 95.236 ± 84.507 χ^2/NDF : 3.4/6

Left In: -7.966 ± 51.584 χ^2/NDF : 0.9/8

69.813 ± 48.537 χ^2/NDF : 28.7/15

20.049 ± 44.030 χ^2/NDF : 5.4/15

asym_bcm_an_ds_rms vs slug



Right In: 156.032+/-0.066 χ^2/NDF : 257431.2/5

Left Out: 127.571+/-0.040 χ^2/NDF : 187904.2/9

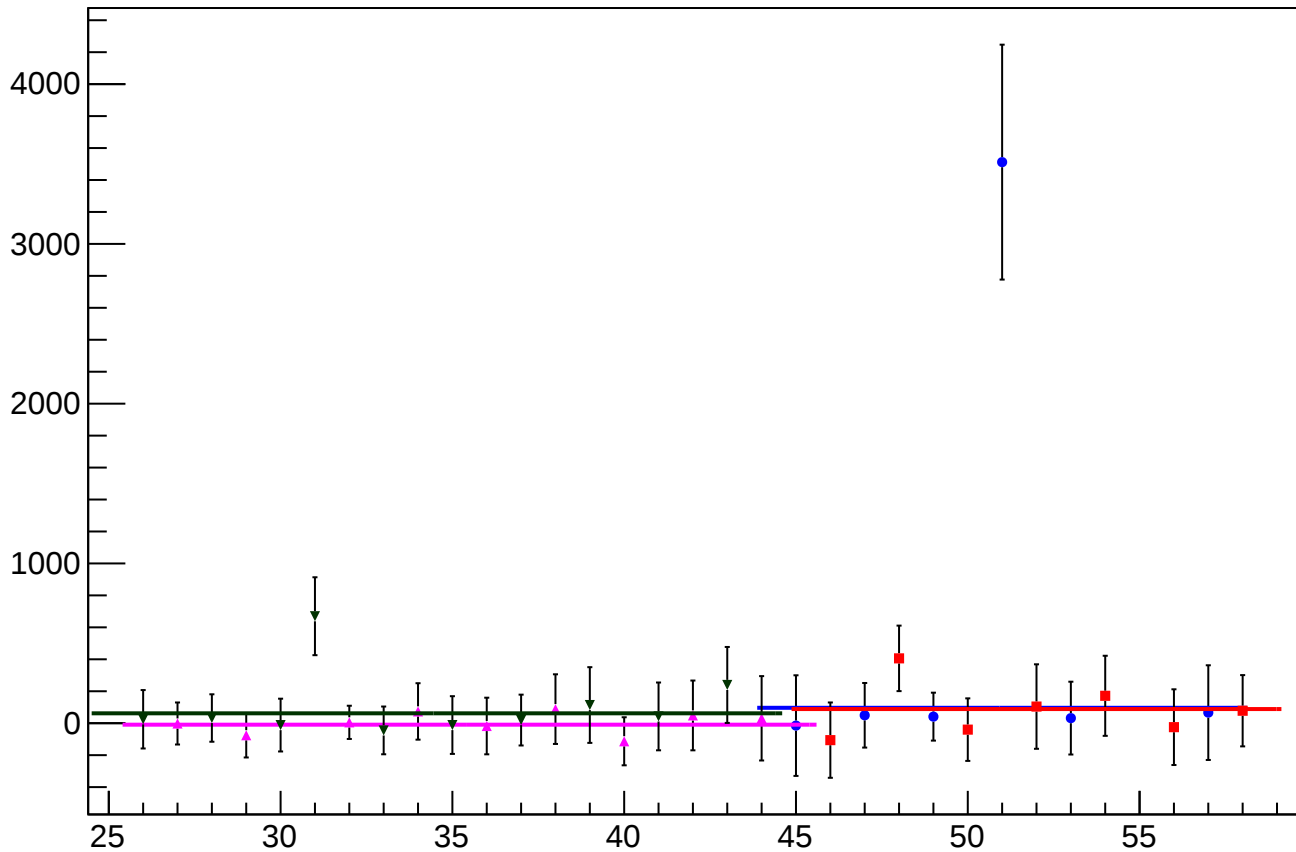
Right Out: 153.219+/-0.060 χ^2/NDF : 89900.5/6

Left In: 119.298+/-0.036 χ^2/NDF : 373710.1/8

135.257+/-0.034 χ^2/NDF : 580888.3/15

128.506+/-0.031 χ^2/NDF : 698367.1/15

asym_bcm_an_ds3_mean vs slug



Right In: 96.451+/-94.714 χ^2/NDF : 22.0/5

Left Out: 61.888+/-57.600 χ^2/NDF : 7.9/9

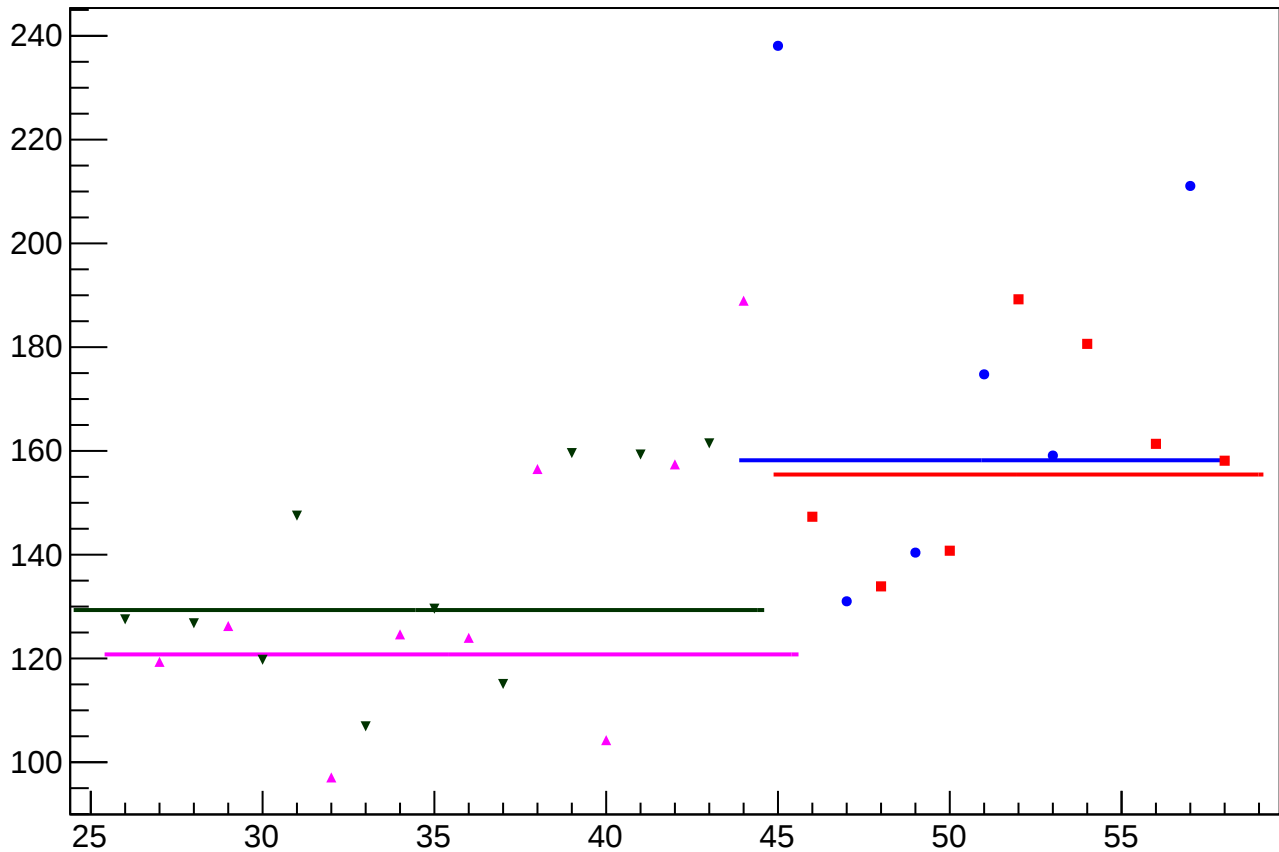
Right Out: 88.575+/-85.740 χ^2/NDF : 3.9/6

Left In: -9.264+/-52.240 χ^2/NDF : 1.2/8

71.220+/-49.214 χ^2/NDF : 29.9/15

17.224+/-44.612 χ^2/NDF : 6.0/15

asym_bcm_an_ds3_rms vs slug



Right In: 158.198+/-0.067 χ^2/NDF : 257705.0/5

Left Out: 129.330+/-0.041 χ^2/NDF : 188760.2/9

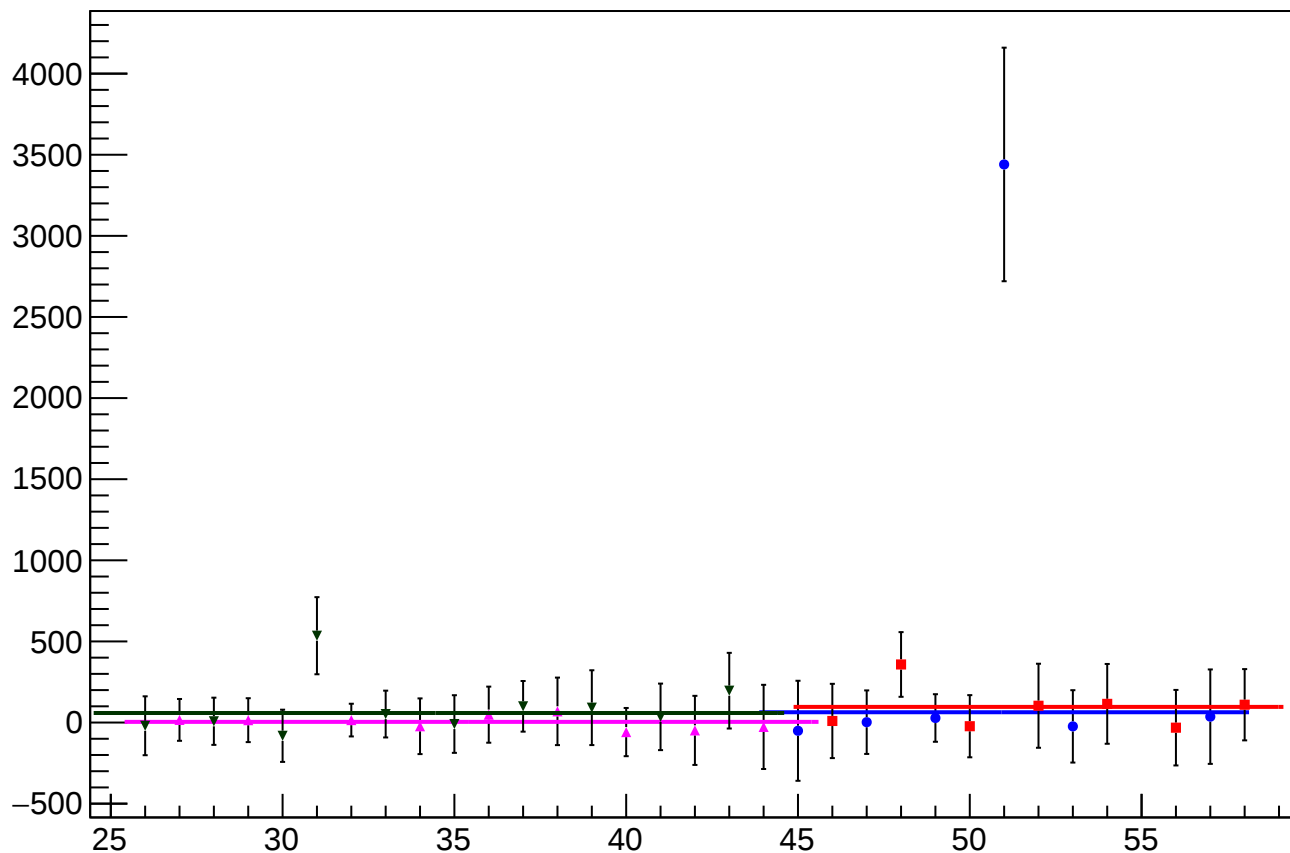
Right Out: 155.451+/-0.061 χ^2/NDF : 90110.7/6

Left In: 120.780+/-0.037 χ^2/NDF : 376423.6/8

137.124+/-0.035 χ^2/NDF : 582093.2/15

130.167+/-0.032 χ^2/NDF : 705027.8/15

asym_bcm_an_us_mean vs slug



Right In: 63.448+/-92.473 χ^2/NDF : 22.5/5

Left Out: 58.851+/-56.282 χ^2/NDF : 5.7/9

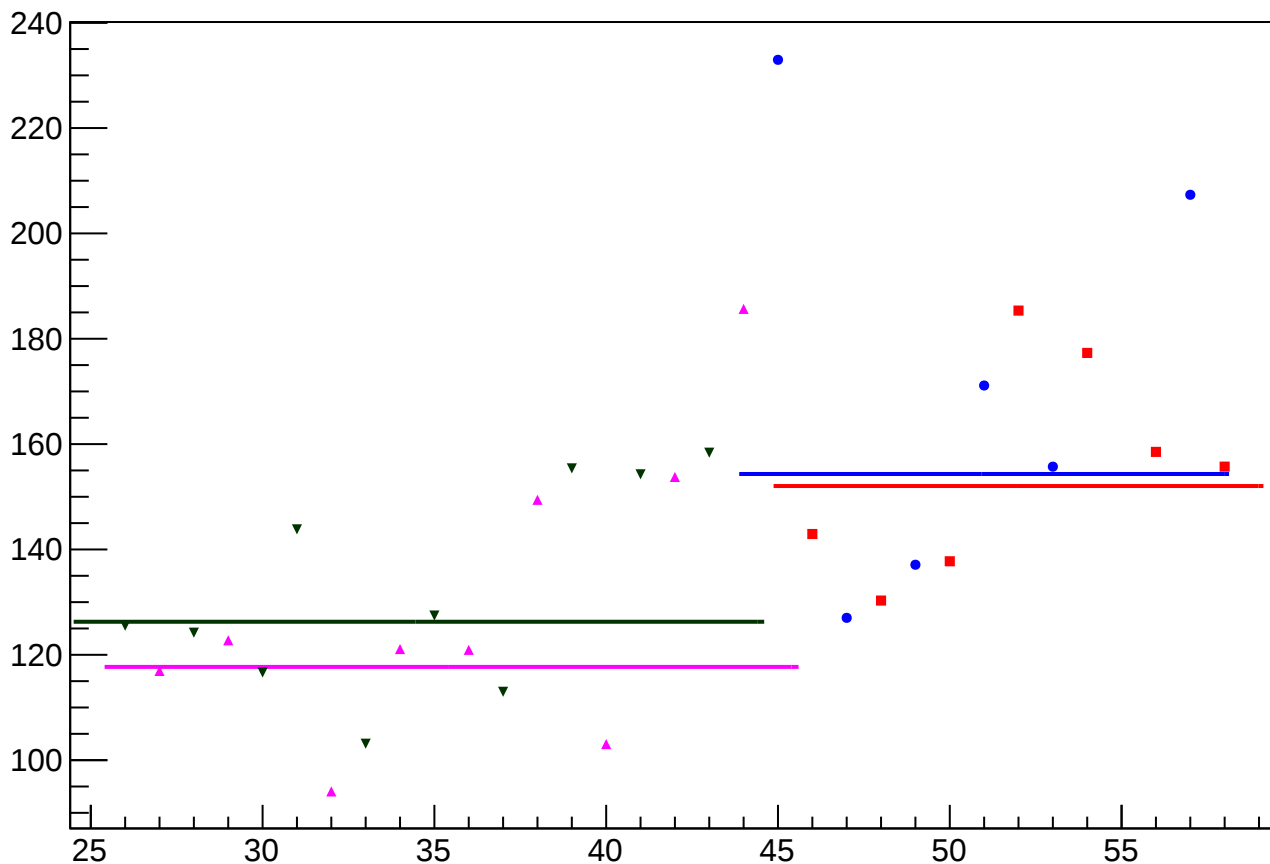
Right Out: 96.475+/-83.891 χ^2/NDF : 2.6/6

Left In: 4.097+/-50.903 χ^2/NDF : 0.5/8

60.093+/-48.077 χ^2/NDF : 28.2/15

28.956+/-43.518 χ^2/NDF : 3.9/15

asym_bcm_an_us_rms vs slug



Right In: 154.328+/-0.065 χ^2/NDF : 264048.6/5

Left Out: 126.276+/-0.040 χ^2/NDF :191667.2/9

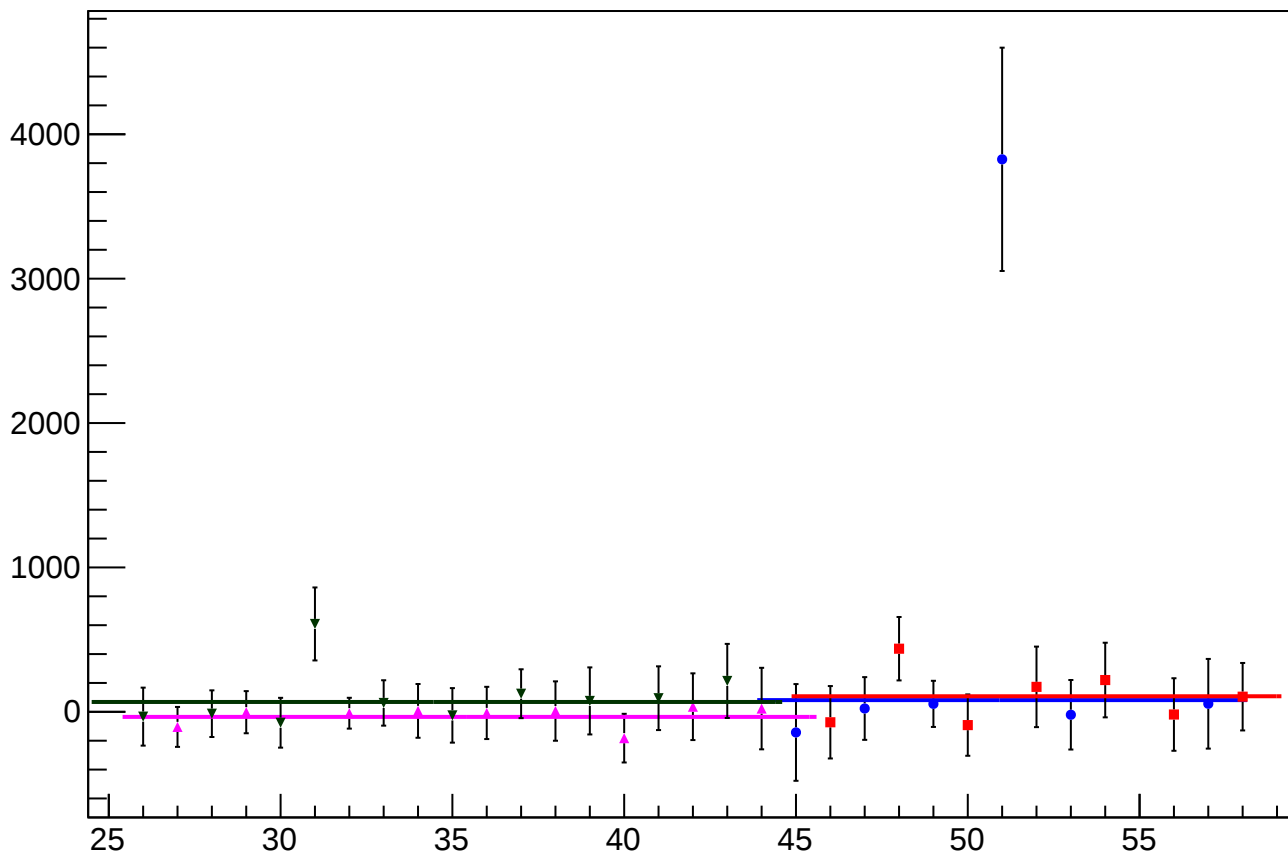
Right Out: 152.042+/-0.059 χ^2/NDF : 94346.8/6

Left In: 117.706+/-0.036 χ^2/NDF :374878.6/8

133.859+/-0.034 χ^2/NDF : 590006.4/15

126.946+/-0.031 χ^2/NDF : 714119.7/15

asym_bcm_dg_us_mean vs slug



Right In: 81.172+/-100.728 χ^2/NDF : 24.2/5

Left Out: 68.281+/-60.848 χ^2/NDF : 6.5/9

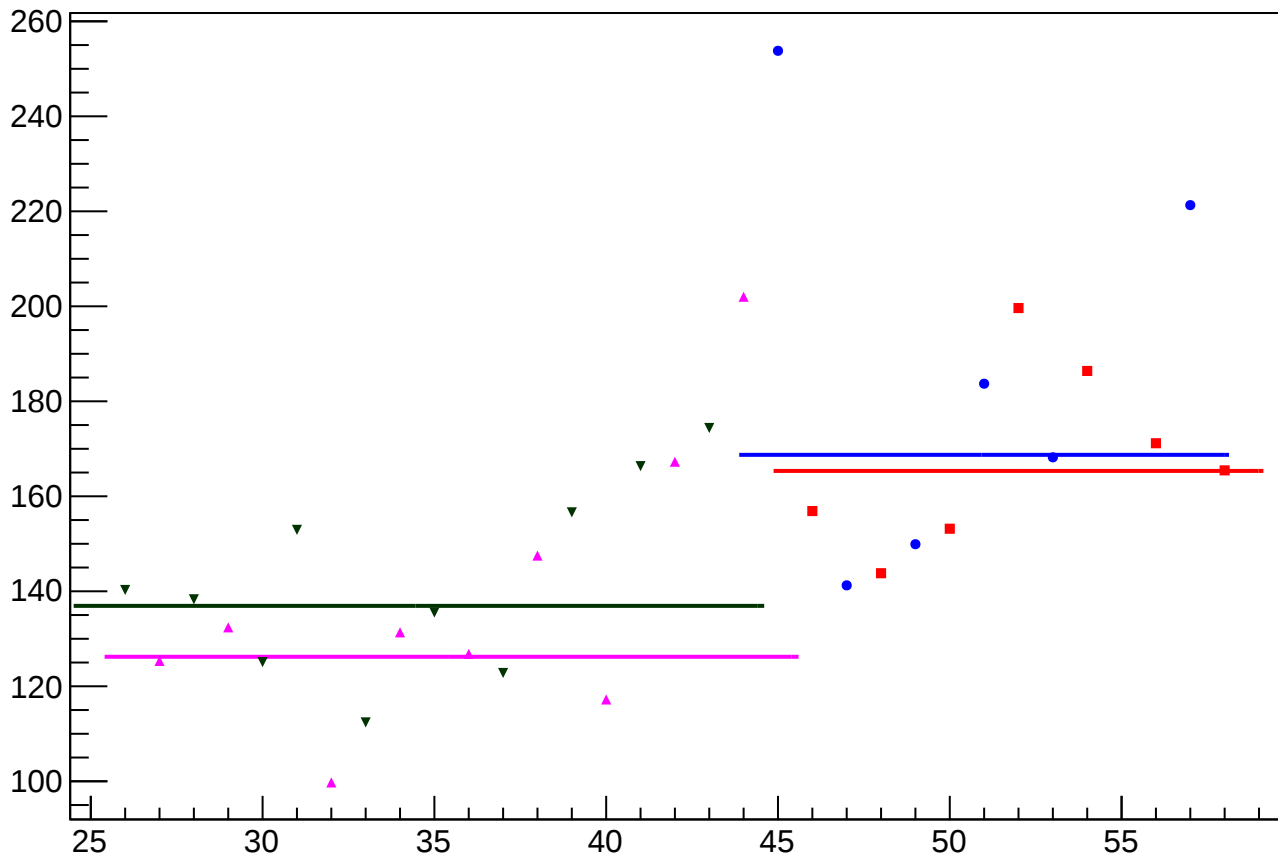
Right Out: 107.807+/-90.998 χ^2/NDF : 4.1/6

Left In: -35.096+/-54.517 χ^2/NDF : 1.4/8

71.727+/-52.083 χ^2/NDF : 30.7/15

2.648+/-46.766 χ^2/NDF : 7.3/15

asym_bcm_dg_us_rms vs slug



Right In: 168.727 ± 0.071 χ^2/NDF : 246791.7/5

Left Out: 136.932 ± 0.043 χ^2/NDF : 173473.1/9

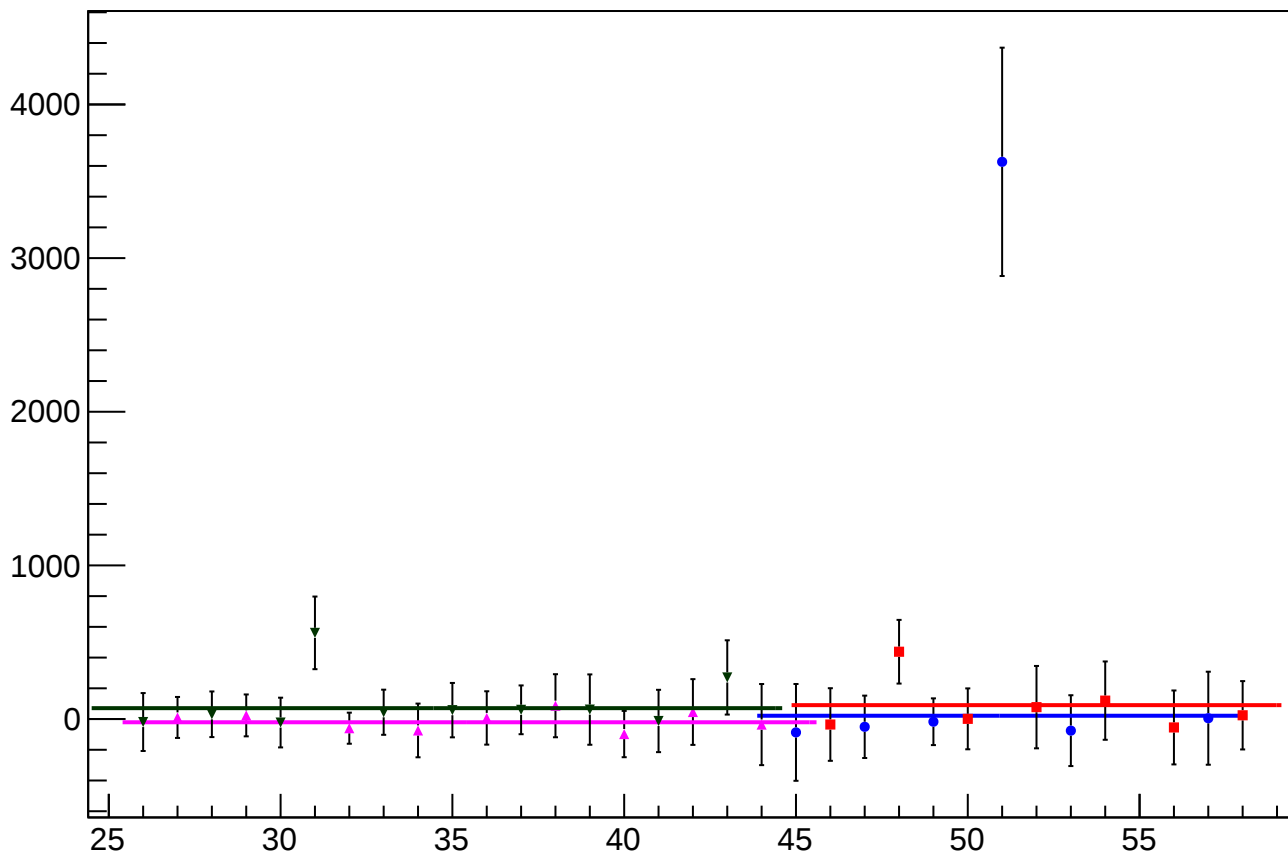
Right Out: 165.343 ± 0.064 χ^2/NDF : 72641.1/6

Left In: 126.213 ± 0.039 χ^2/NDF : 362550.8/8

145.432 ± 0.037 χ^2/NDF : 566267.2/15

136.548 ± 0.033 χ^2/NDF : 707336.6/15

asym_bcm_dg_ds_mean vs slug



Right In: 21.492 ± 95.723 χ^2/NDF : 24.0/5

Left Out: 70.831 ± 56.980 χ^2/NDF : 5.8/9

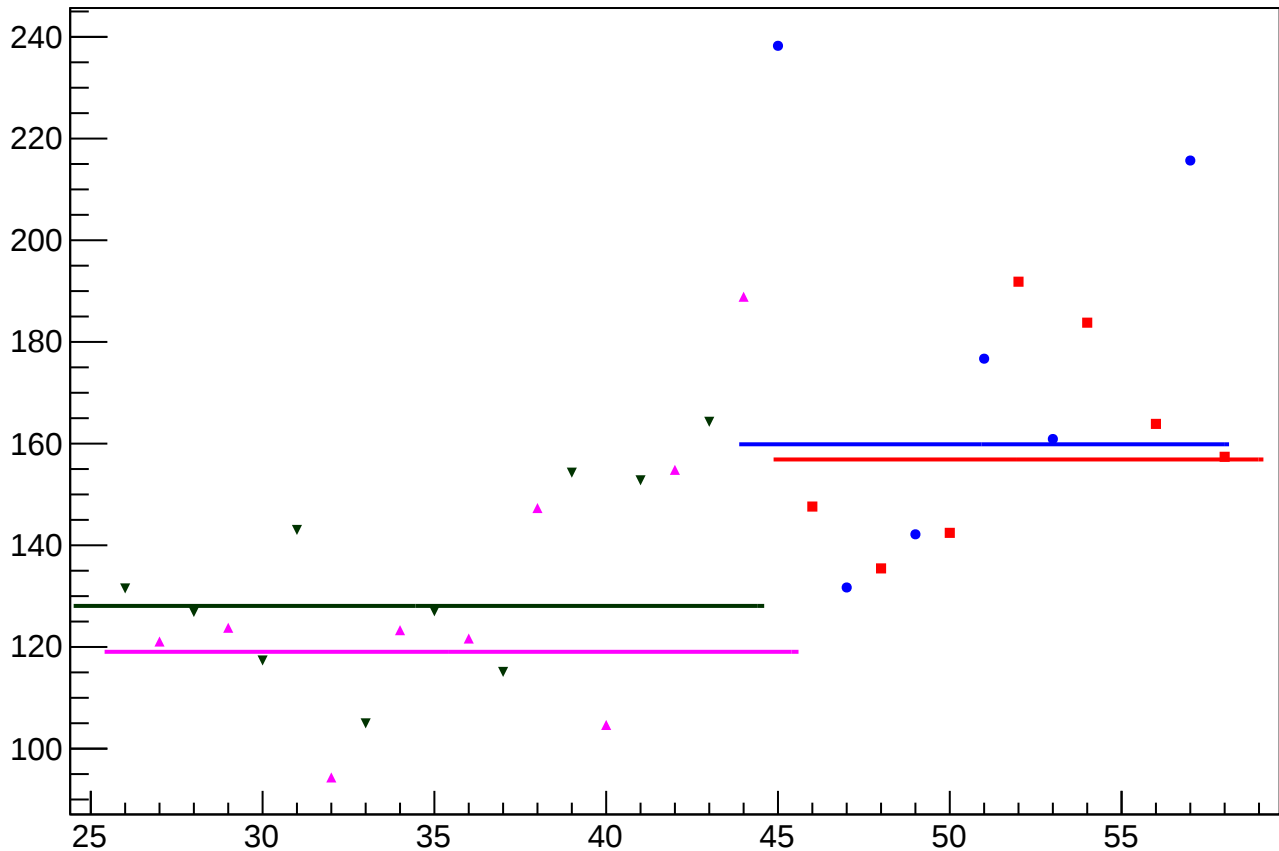
Right Out: 90.456 ± 86.569 χ^2/NDF : 3.8/6

Left In: -20.980 ± 51.456 χ^2/NDF : 1.1/8

57.922 ± 48.962 χ^2/NDF : 30.1/15

8.112 ± 44.232 χ^2/NDF : 6.1/15

asym_bcm_dg_ds_rms vs slug



Right In: 159.867+/-0.068 χ^2/NDF : 258484.5/5

Left Out: 128.077+/-0.040 χ^2/NDF :181273.8/9

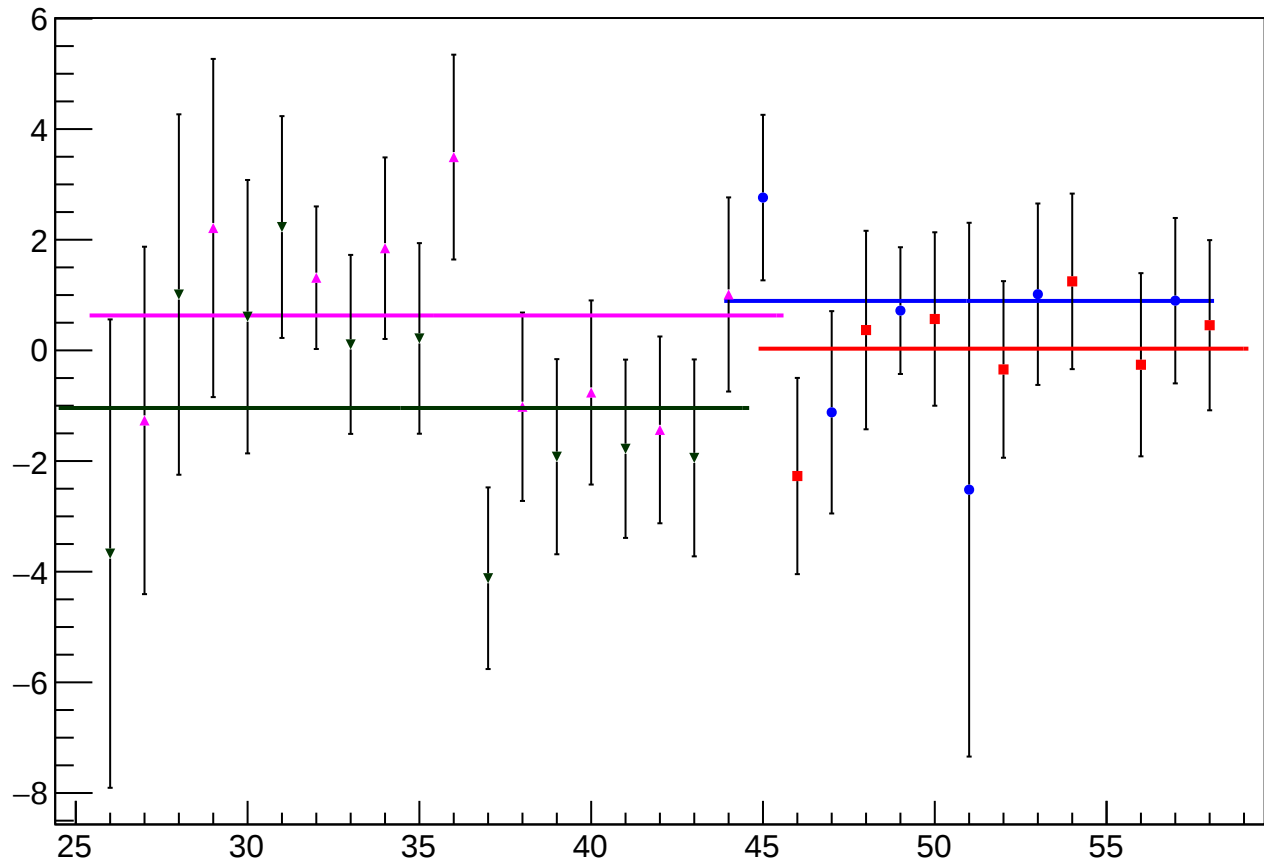
Right Out: 156.881+/-0.061 χ^2/NDF : 93065.3/6

Left In: 119.049+/-0.036 χ^2/NDF :376169.4/8

136.394+/-0.035 χ^2/NDF : 602622.7/15

128.926+/-0.031 χ^2/NDF : 751481.7/15

asym_cav4bQ_mean vs slug



Right In: 0.894 ± 0.649 χ^2/NDF : 3.3/5

Left Out: -1.041 ± 0.611 χ^2/NDF : 9.2/9

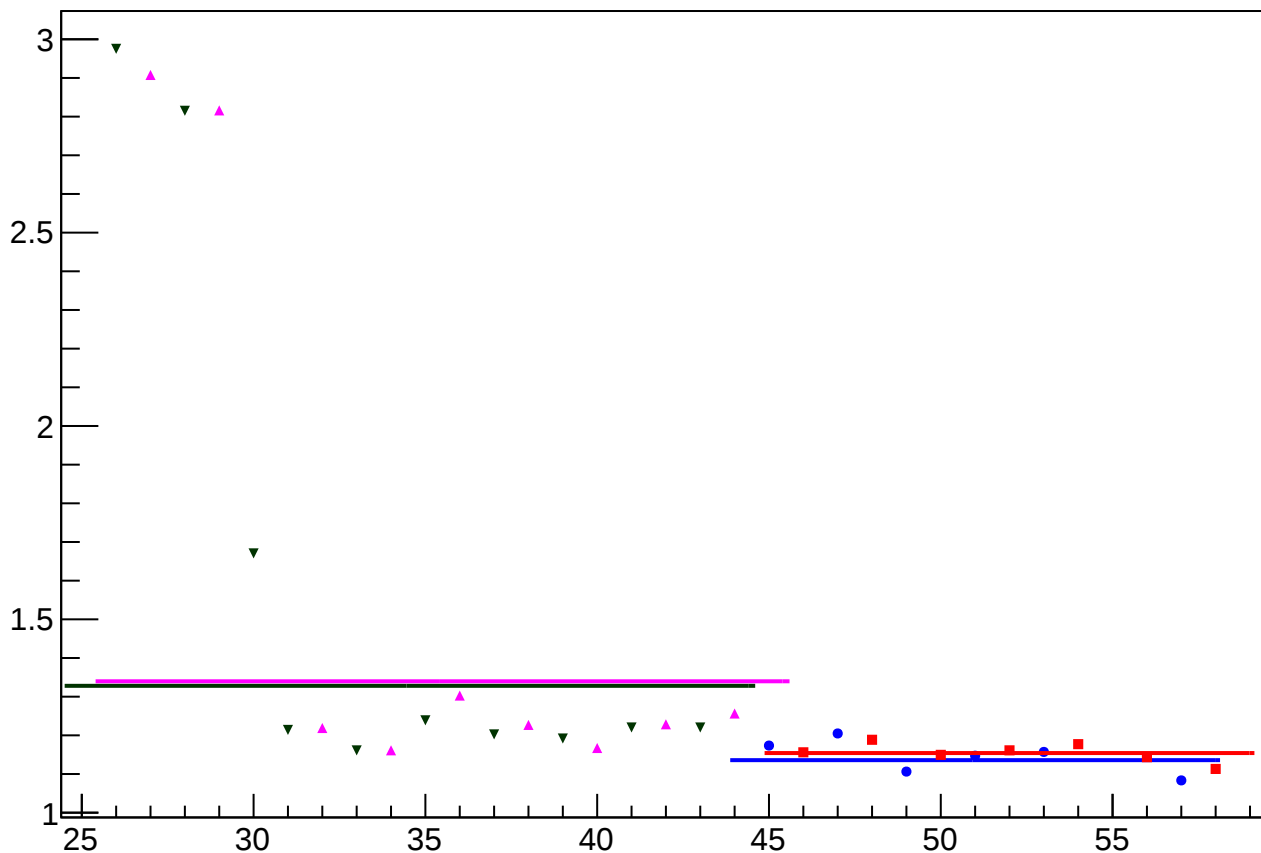
-0.132 ± 0.445 χ^2/NDF : 17.2/15

Right Out: 0.031 ± 0.619 χ^2/NDF : 2.6/6

0.344 ± 0.428 χ^2/NDF : 10.1/15

Left In: 0.631 ± 0.592 χ^2/NDF : 7.0/8

asym_cav4bQ_rms vs slug



Right In: 1.136+/-0.000 χ^2/NDF : 8253.1/5

Left Out: 1.328+/-0.000 χ^2/NDF :831193.5/9

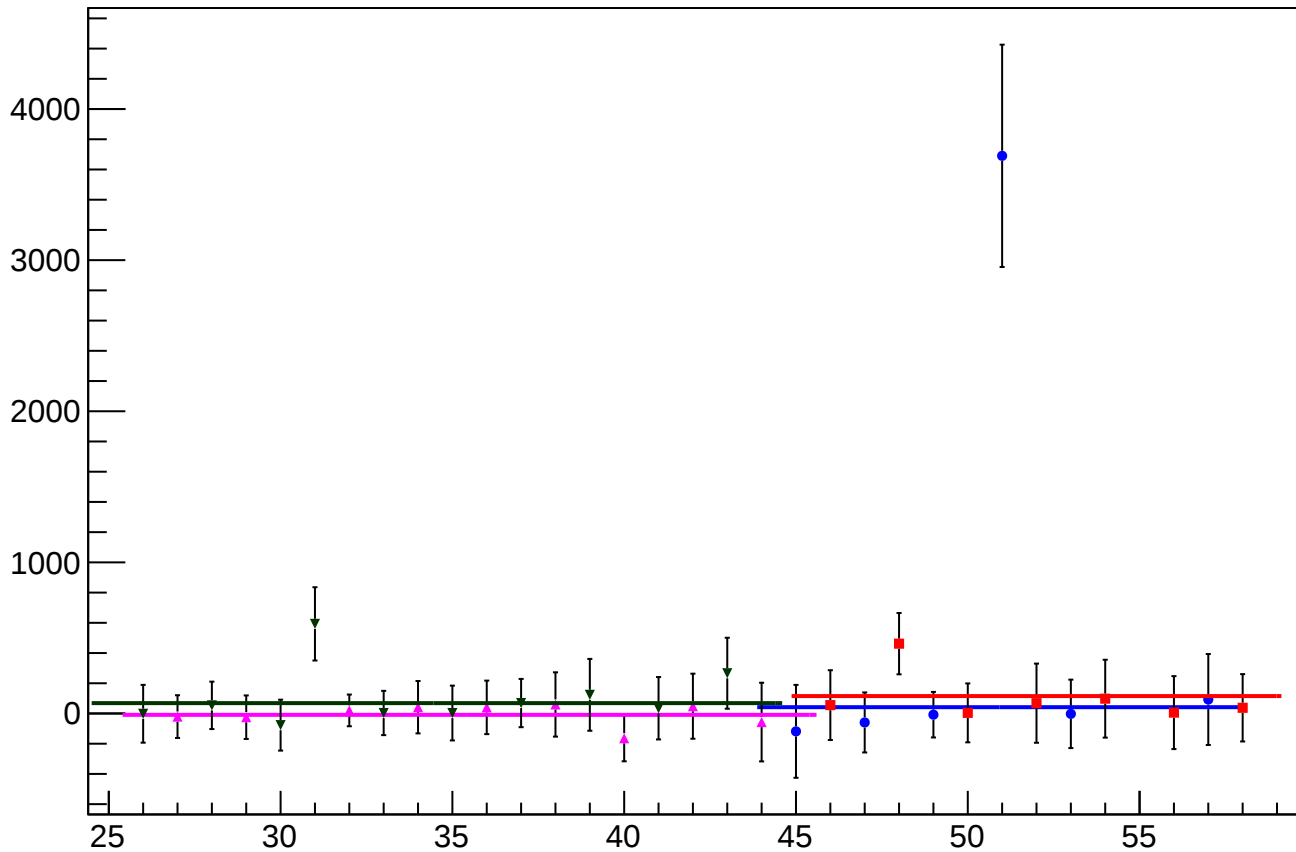
Right Out: 1.154+/-0.000 χ^2/NDF : 2723.0/6

Left In: 1.340+/-0.000 χ^2/NDF :1050932.3/8

1.238+/-0.000 χ^2/NDF : 932344.2/15

1.251+/-0.000 χ^2/NDF : 1147633.4/15

asym_cav4cQ_mean vs slug



Right In: 41.634 ± 94.336 χ^2/NDF : 25.3/5

Left Out: 68.524 ± 58.147 χ^2/NDF : 6.7/9

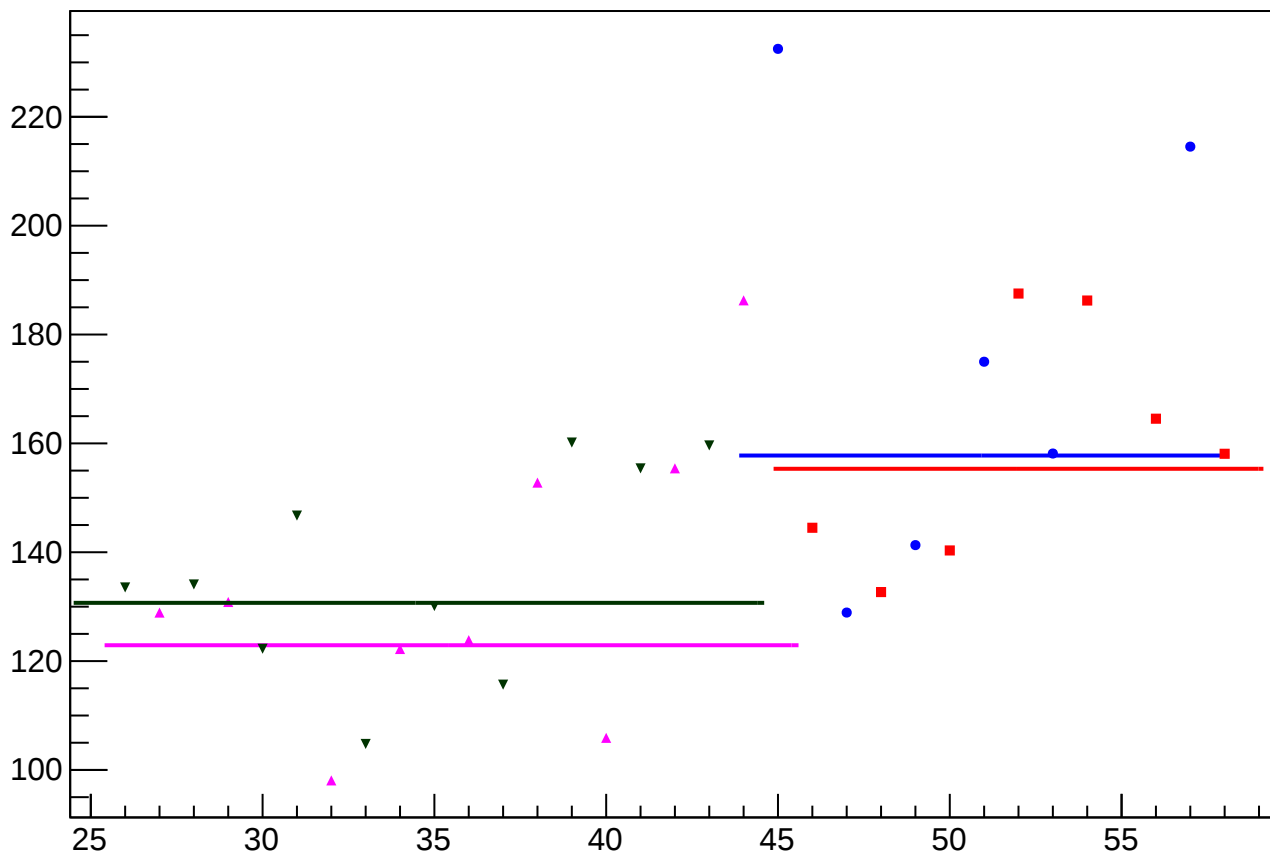
Right Out: 115.153 ± 85.659 χ^2/NDF : 3.7/6

Left In: -9.045 ± 53.017 χ^2/NDF : 1.5/8

61.121 ± 49.499 χ^2/NDF : 32.0/15

25.354 ± 45.081 χ^2/NDF : 6.7/15

asym_cav4cQ_rms vs slug



Right In: 157.769+/-0.067 χ^2/NDF : 256490.9/5

Left Out: 130.703+/-0.041 χ^2/NDF :185197.8/9

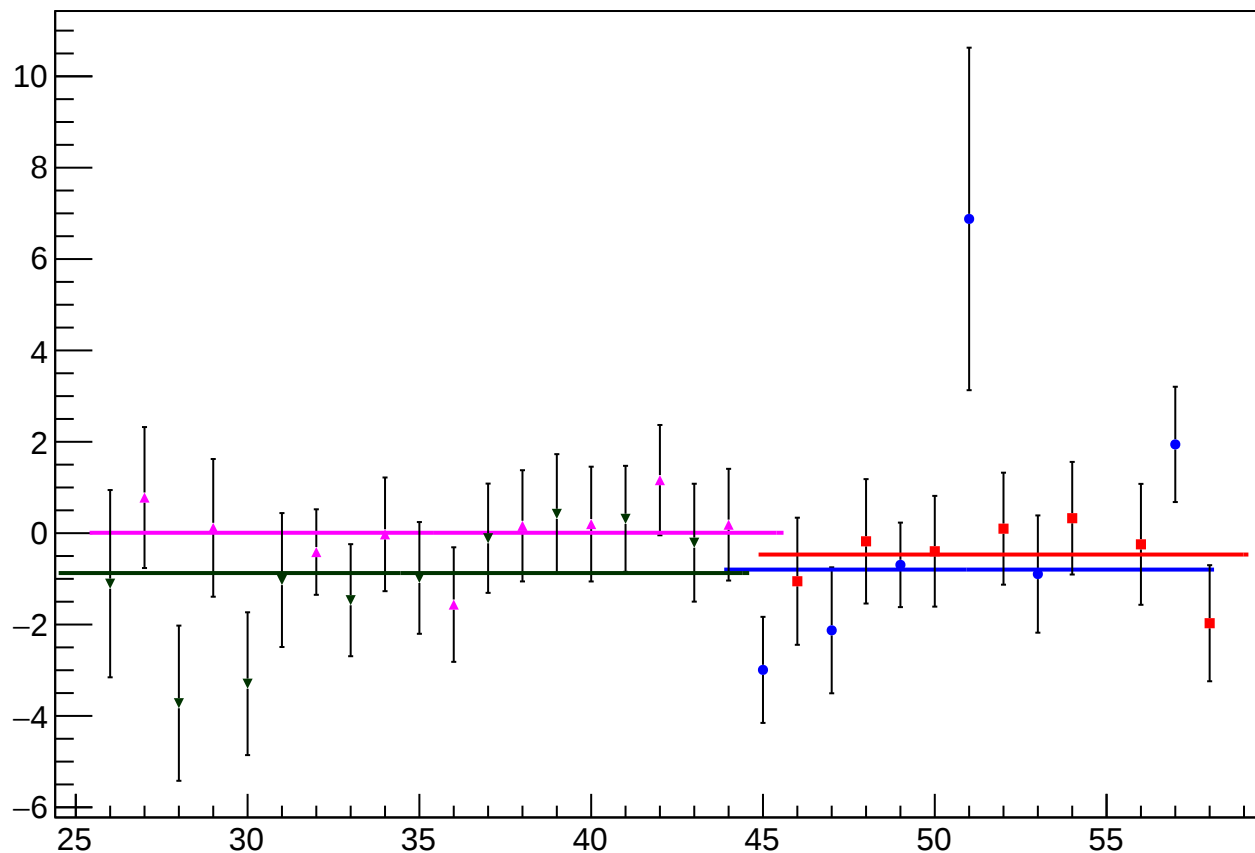
Right Out: 155.334+/-0.061 χ^2/NDF : 103392.4/6

Left In: 122.914+/-0.037 χ^2/NDF :350280.2/8

138.155+/-0.035 χ^2/NDF : 560993.3/15

131.893+/-0.032 χ^2/NDF : 660812.7/15

asym_cav4dQ_mean vs slug



Right In: -0.797 ± 0.517 χ^2/NDF : 13.4/5

Left Out: -0.873 ± 0.429 χ^2/NDF : 8.2/9

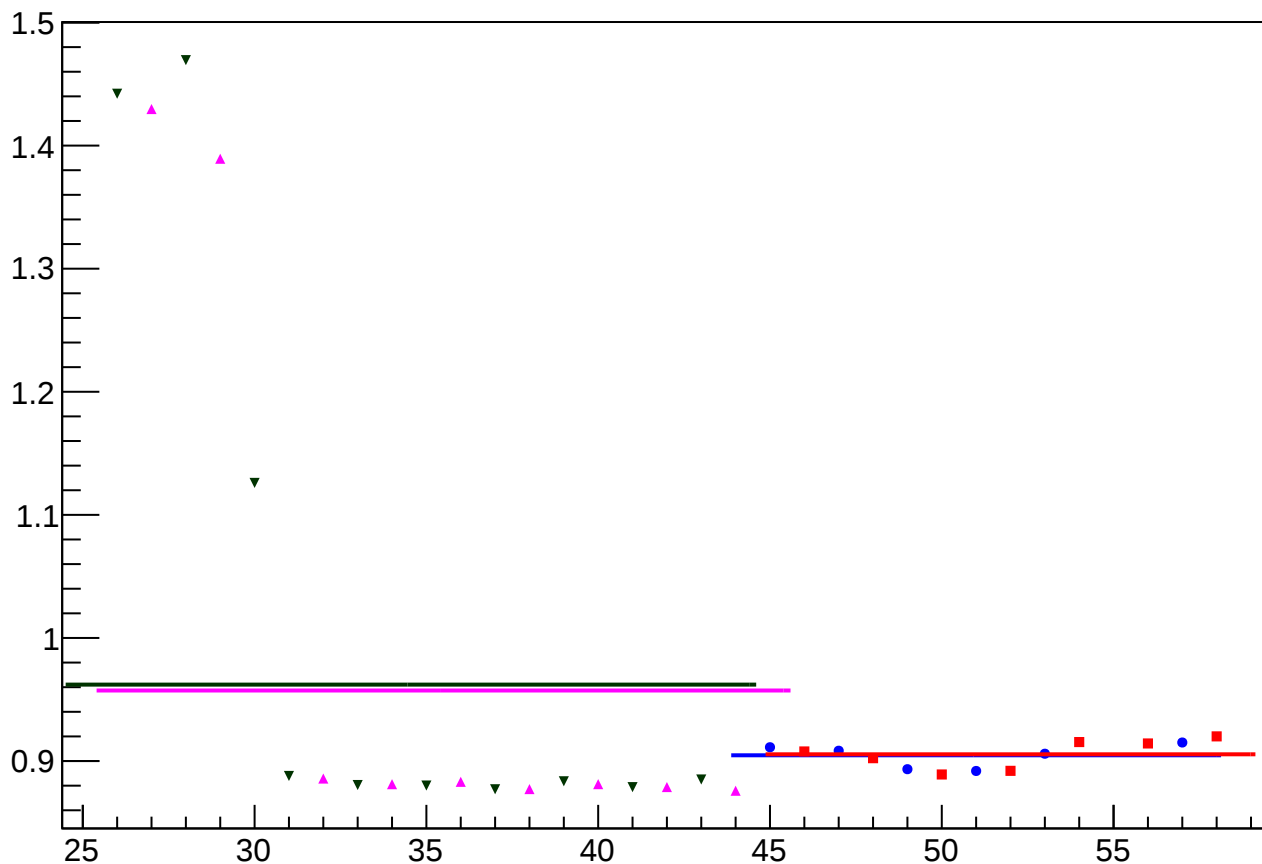
Right Out: -0.468 ± 0.485 χ^2/NDF : 2.3/6

Left In: 0.009 ± 0.410 χ^2/NDF : 3.0/8

-0.842 ± 0.330 χ^2/NDF : 21.6/15

-0.190 ± 0.313 χ^2/NDF : 5.8/15

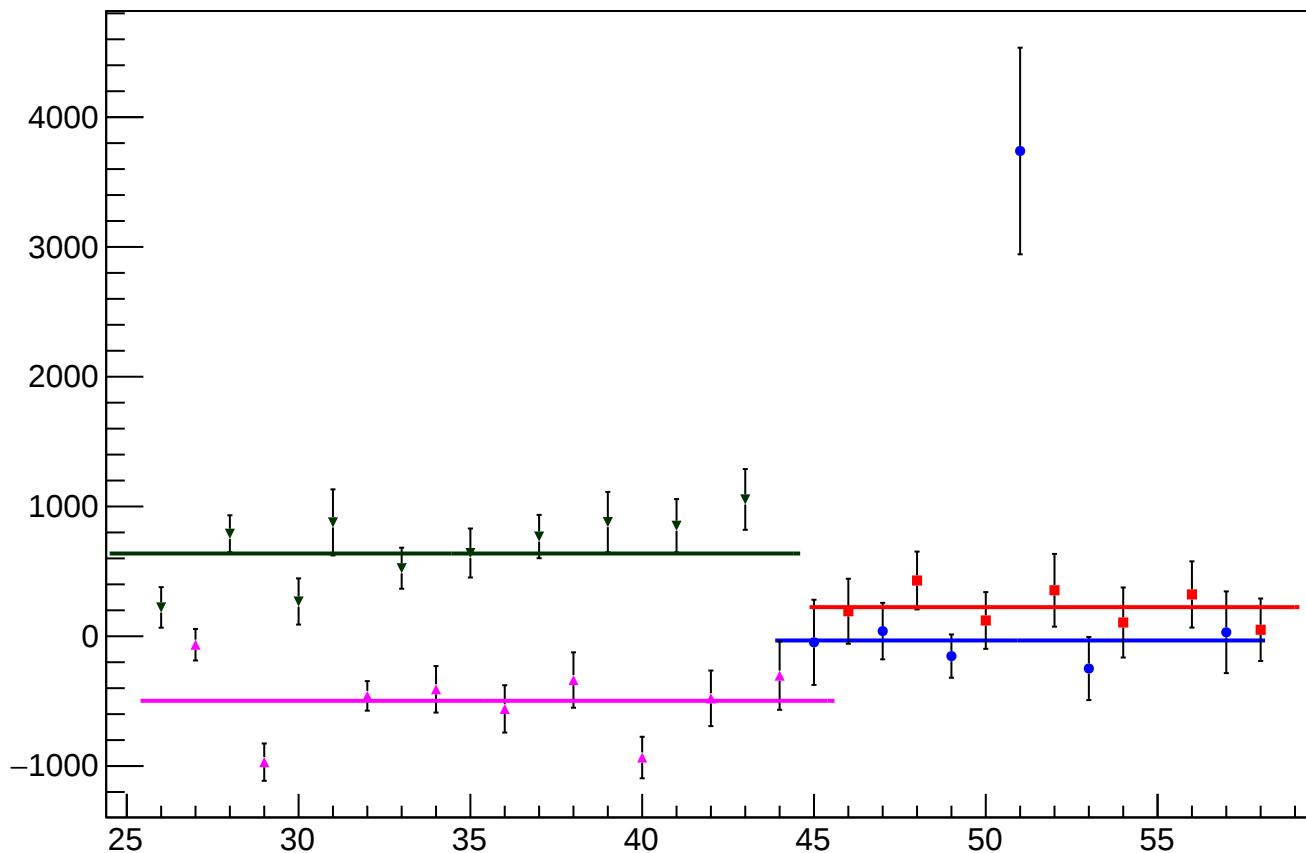
asym_cav4dQ_rms vs slug



Right In: 0.905+/-0.000 χ^2/NDF : 536.6/5
 Left Out: 0.962+/-0.000 χ^2/NDF :367875.5/9
 Right Out: 0.905+/-0.000 χ^2/NDF : 1103.8/6
 Left In: 0.957+/-0.000 χ^2/NDF :411279.5/8

0.939+/-0.000 χ^2/NDF : 383014.8/15
 0.936+/-0.000 χ^2/NDF : 425708.0/15

asym_bcm0l02_mean vs slug



Right In: -32.370 ± 102.643 χ^2/NDF : 23.9/5

Left Out: 637.702 ± 57.571 χ^2/NDF : 19.9/9

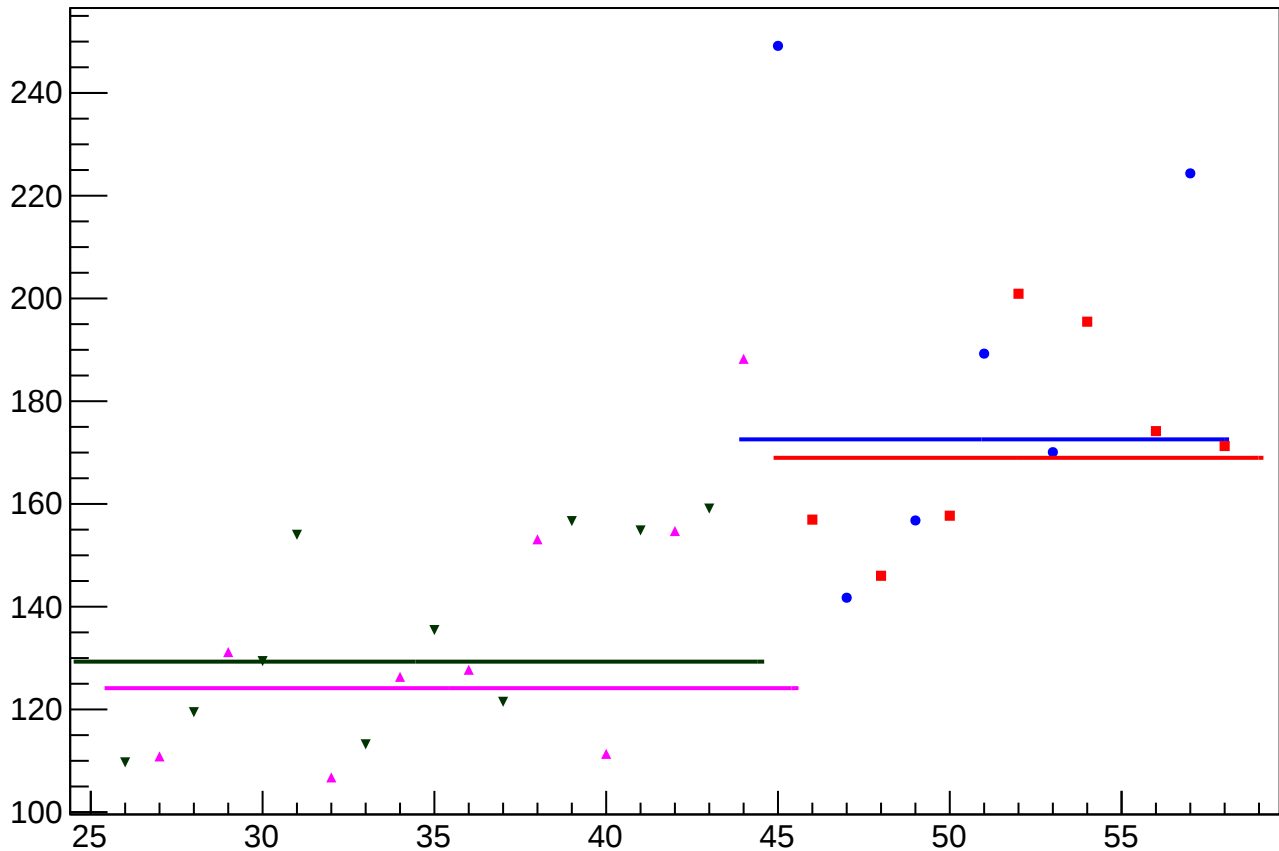
Right Out: 224.440 ± 92.817 χ^2/NDF : 2.2/6

Left In: -497.375 ± 53.287 χ^2/NDF : 32.6/8

477.348 ± 50.212 χ^2/NDF : 76.2/15

-318.441 ± 46.213 χ^2/NDF : 80.2/15

asym_bcm0l02_rms vs slug



Right In: 172.571+/-0.073 χ^2/NDF : 222233.9/5

Left Out: 129.305+/-0.041 χ^2/NDF :178100.8/9

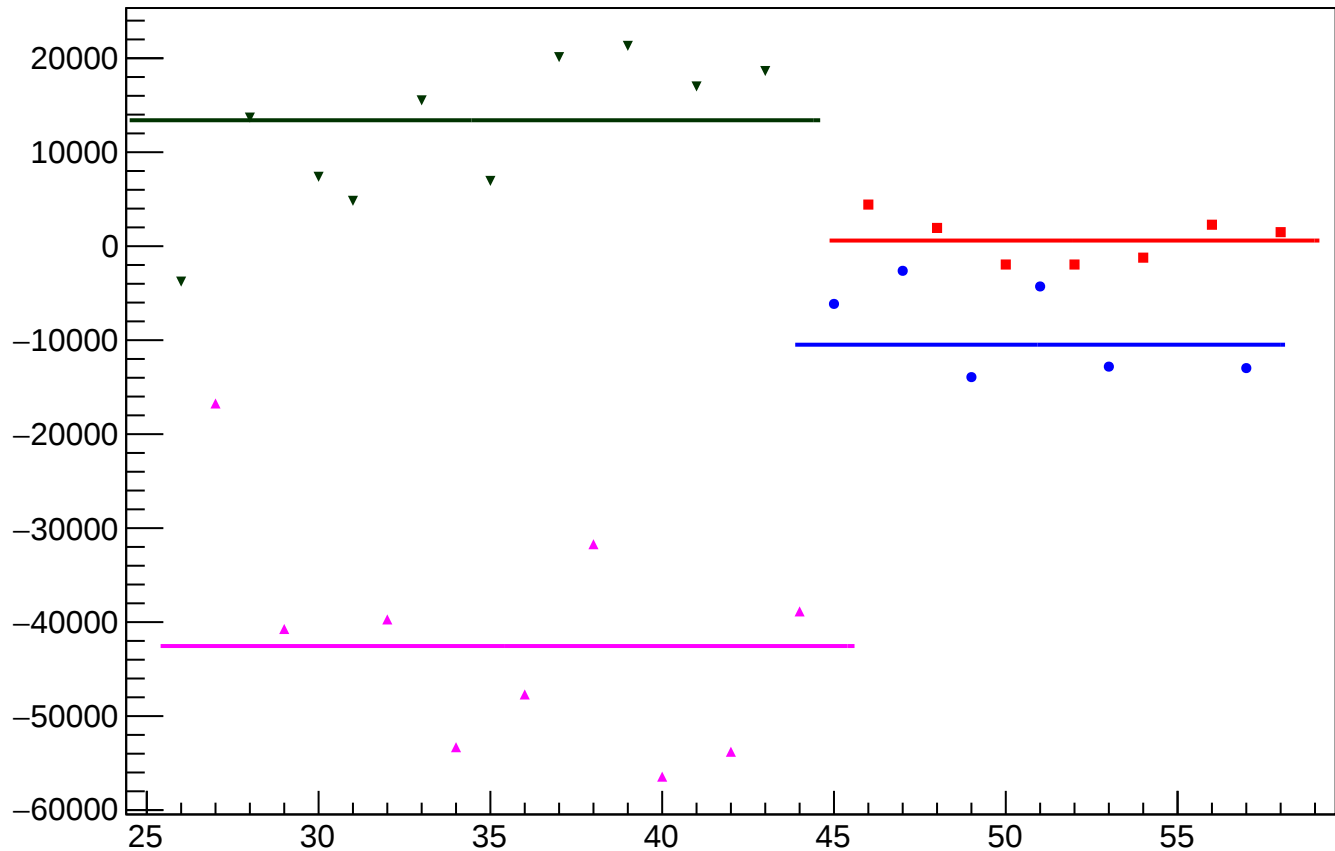
Right Out: 168.981+/-0.066 χ^2/NDF : 77435.3/6

Left In: 124.144+/-0.038 χ^2/NDF :285490.5/8

139.659+/-0.036 χ^2/NDF : 670656.3/15

135.259+/-0.033 χ^2/NDF : 713934.8/15

asym_bpm2i01WS_mean vs slug



Right In: -10482.273+/-56.558 χ^2/NDF : 5769.2/5

Left Out: 13400.444+/-42.949 χ^2/NDF : 28731.1/9

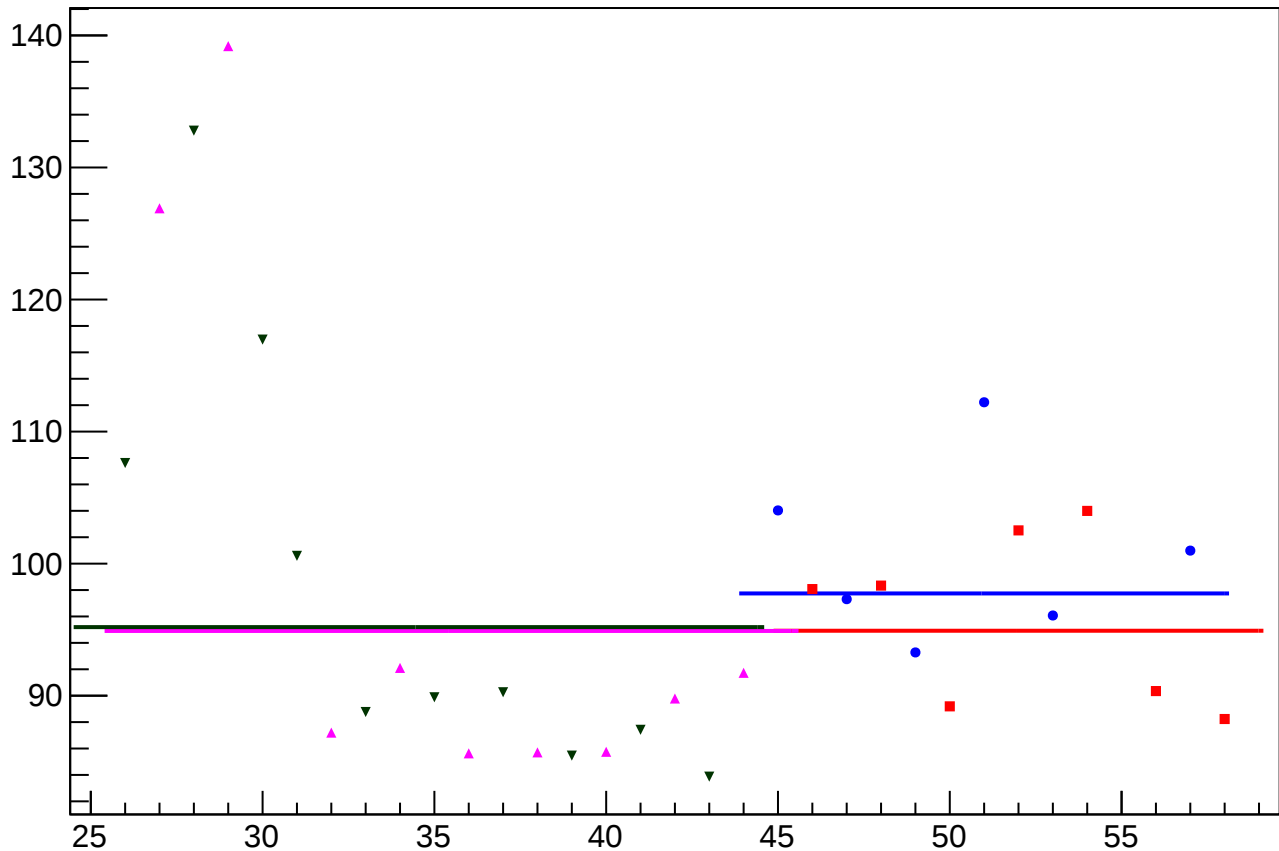
4665.398+/-34.205 χ^2/NDF : 147594.6/15

Right Out: 599.885+/-51.609 χ^2/NDF : 1830.8/6

-25642.662+/-32.302 χ^2/NDF : 498267.3/15

Left In: -42544.825+/-41.418 χ^2/NDF : 71344.1/8

asym_bpm2i01WS_rms vs slug



Right In: 97.744 $\pm$ 0.040 χ^2/NDF : 11801.6/5

Left Out: 95.193 $\pm$ 0.030 χ^2/NDF :206589.2/9

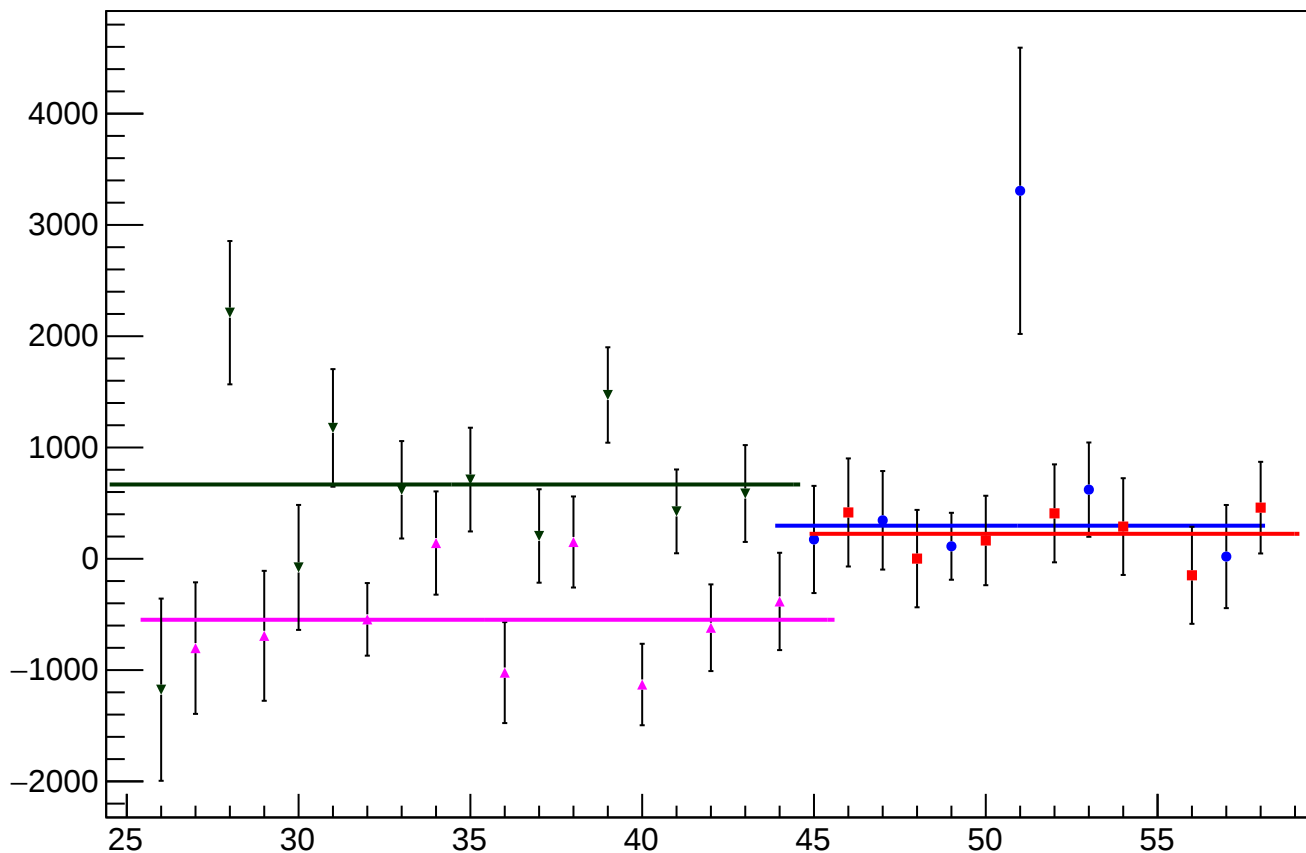
Right Out: 94.919 $\pm$ 0.036 χ^2/NDF : 28265.1/6

Left In: 94.903 $\pm$ 0.029 χ^2/NDF :314276.8/8

96.126 $\pm$ 0.024 χ^2/NDF : 220970.3/15

94.909 $\pm$ 0.023 χ^2/NDF : 342542.0/15

asym_bpm0i07WS_mean vs slug



Right In: 297.461 $\pm$ 178.755 χ^2 /NDF: 6.9/5

Left Out: 667.747 $\pm$ 150.881 χ^2 /NDF:18.7/9

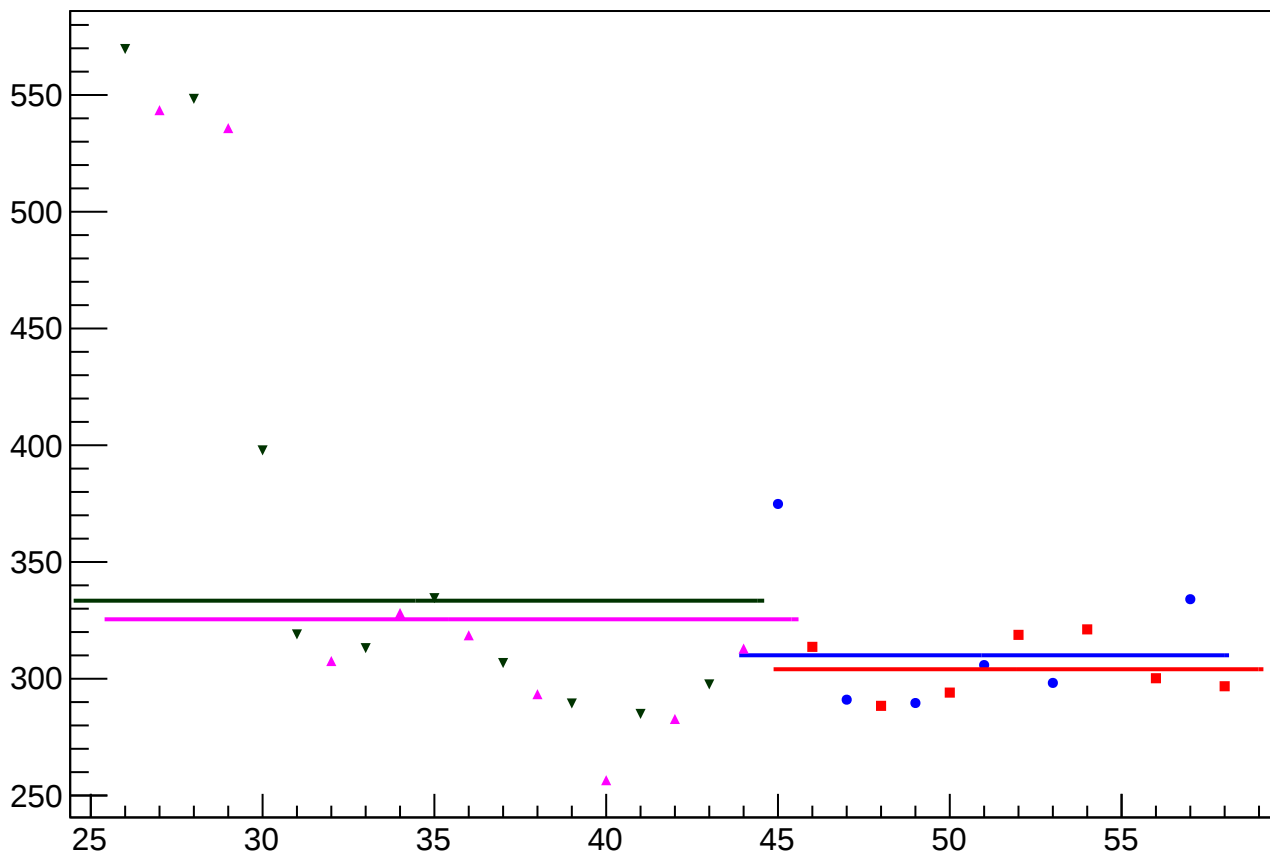
Right Out: 224.456 $\pm$ 163.819 χ^2 /NDF: 1.7/6

Left In: -547.894 $\pm$ 141.485 χ^2 /NDF:9.2/8

513.692 $\pm$ 115.299 χ^2 /NDF: 28.1/15

-217.918 $\pm$ 107.077 χ^2 /NDF: 23.6/15

asym_bpm0i07WS_rms vs slug



Right In: 310.045 $\pm$ 0.126 χ^2 /NDF: 56097.2/5

Left Out: 333.428 $\pm$ 0.107 χ^2 /NDF: 497404.6/9

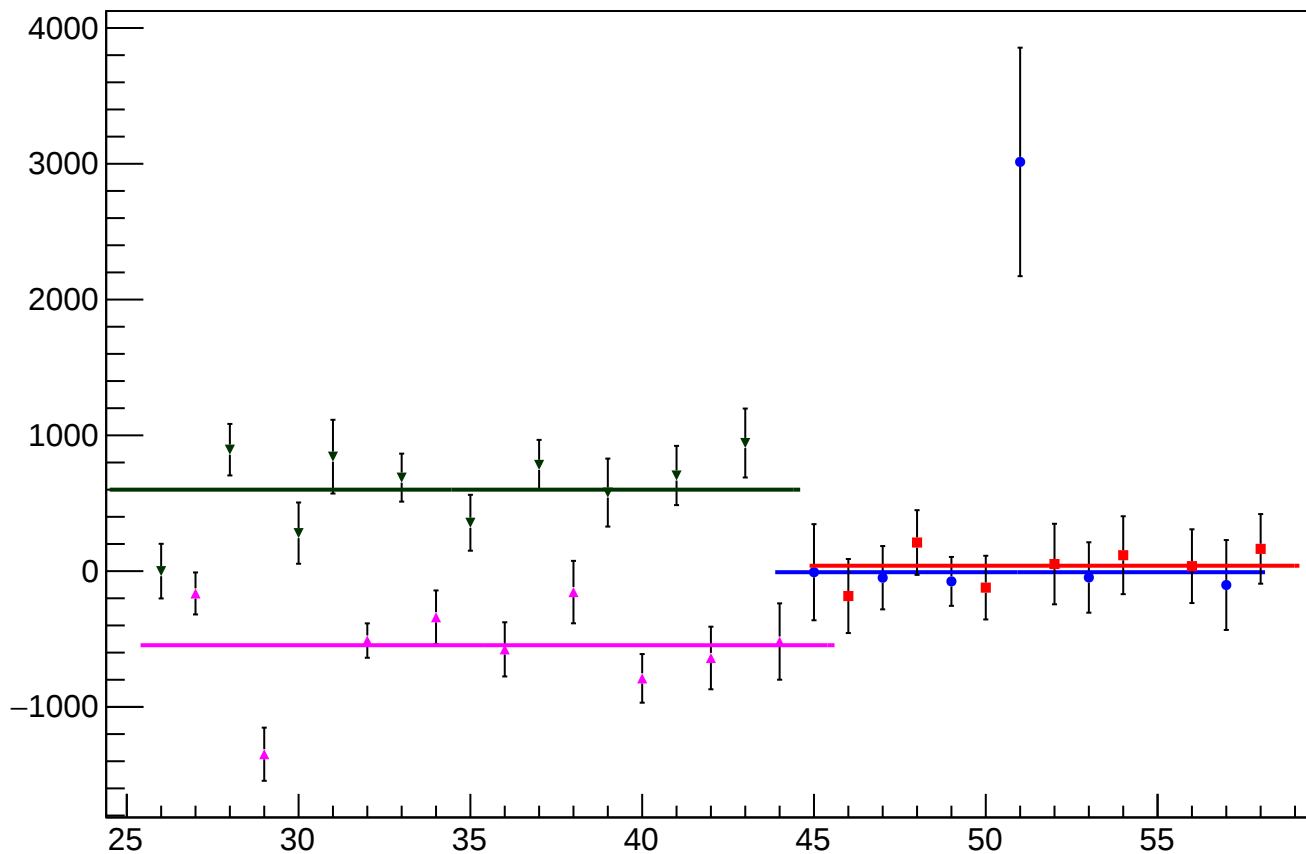
Right Out: 304.070 $\pm$ 0.116 χ^2 /NDF: 10690.3/6

Left In: 325.459 $\pm$ 0.100 χ^2 /NDF: 647226.3/8

323.700 $\pm$ 0.082 χ^2 /NDF: 573485.9/15

316.321 $\pm$ 0.076 χ^2 /NDF: 677444.8/15

asym_bpm0l01WS_mean vs slug



Right In: -7.891 $\pm$ 110.013 χ^2/NDF : 13.2/5

Left Out: 600.051 $\pm$ 66.921 χ^2/NDF : 18.8/9

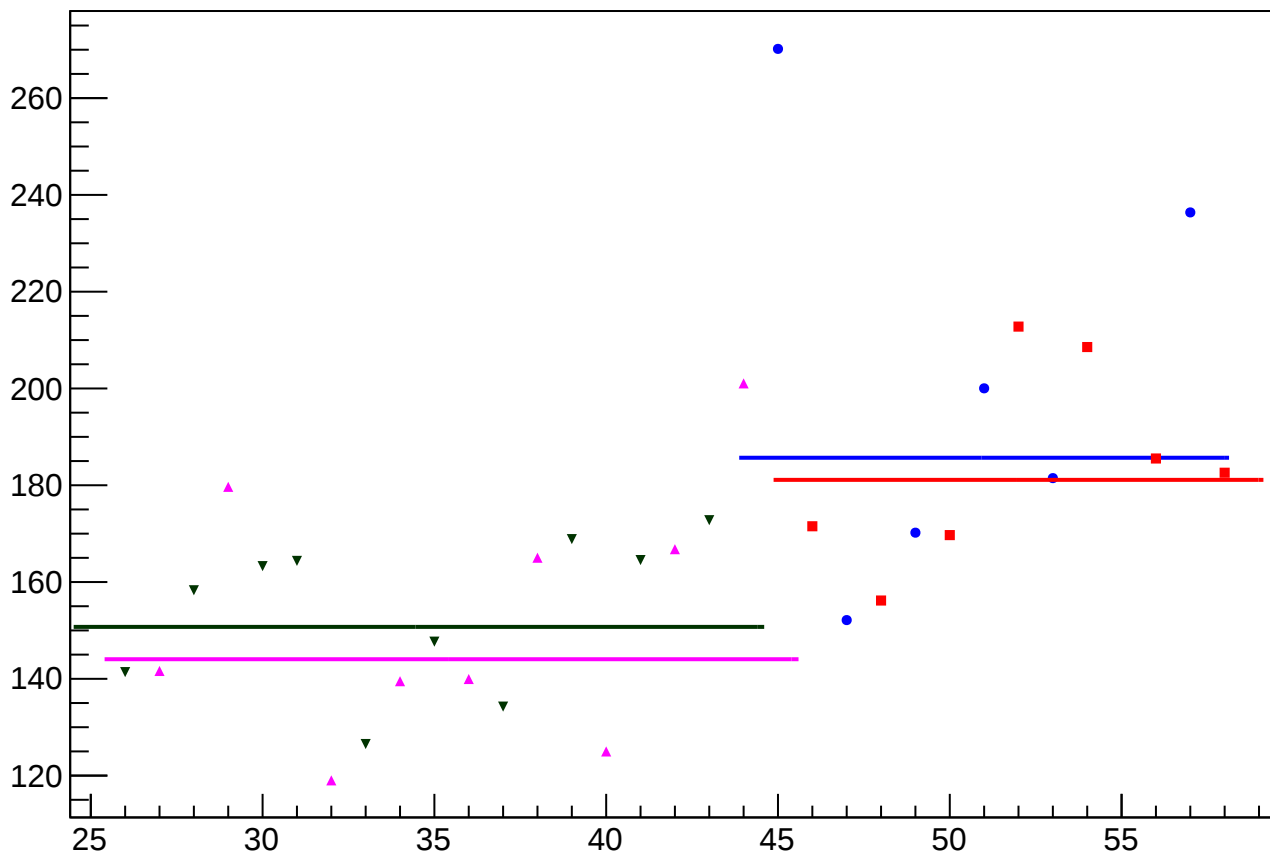
Right Out: 39.890 $\pm$ 99.239 χ^2/NDF : 2.0/6

Left In: -545.607 $\pm$ 61.713 χ^2/NDF : 29.0/8

435.852 $\pm$ 57.174 χ^2/NDF : 54.3/15

-382.329 $\pm$ 52.406 χ^2/NDF : 56.1/15

asym_bpm0l01WS_rms vs slug



Right In: 185.685+/-0.078 χ^2/NDF : 218170.2/5

Left Out: 150.733+/-0.047 χ^2/NDF :106311.0/9

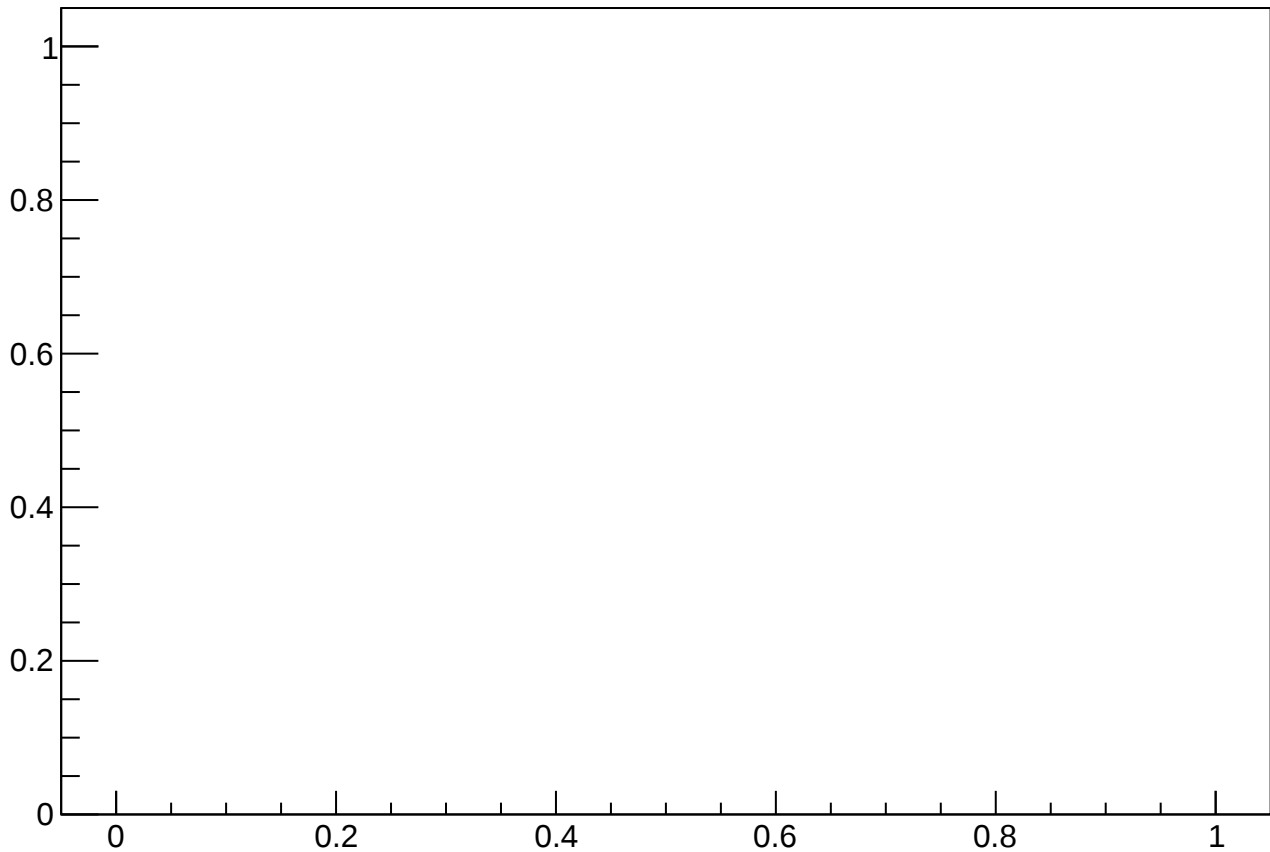
Right Out: 181.114+/-0.070 χ^2/NDF : 70816.7/6

Left In: 144.050+/-0.044 χ^2/NDF :287778.2/8

160.173+/-0.040 χ^2/NDF : 471837.0/15

154.386+/-0.037 χ^2/NDF : 559775.3/15

bcm_an_us_ds_avg_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

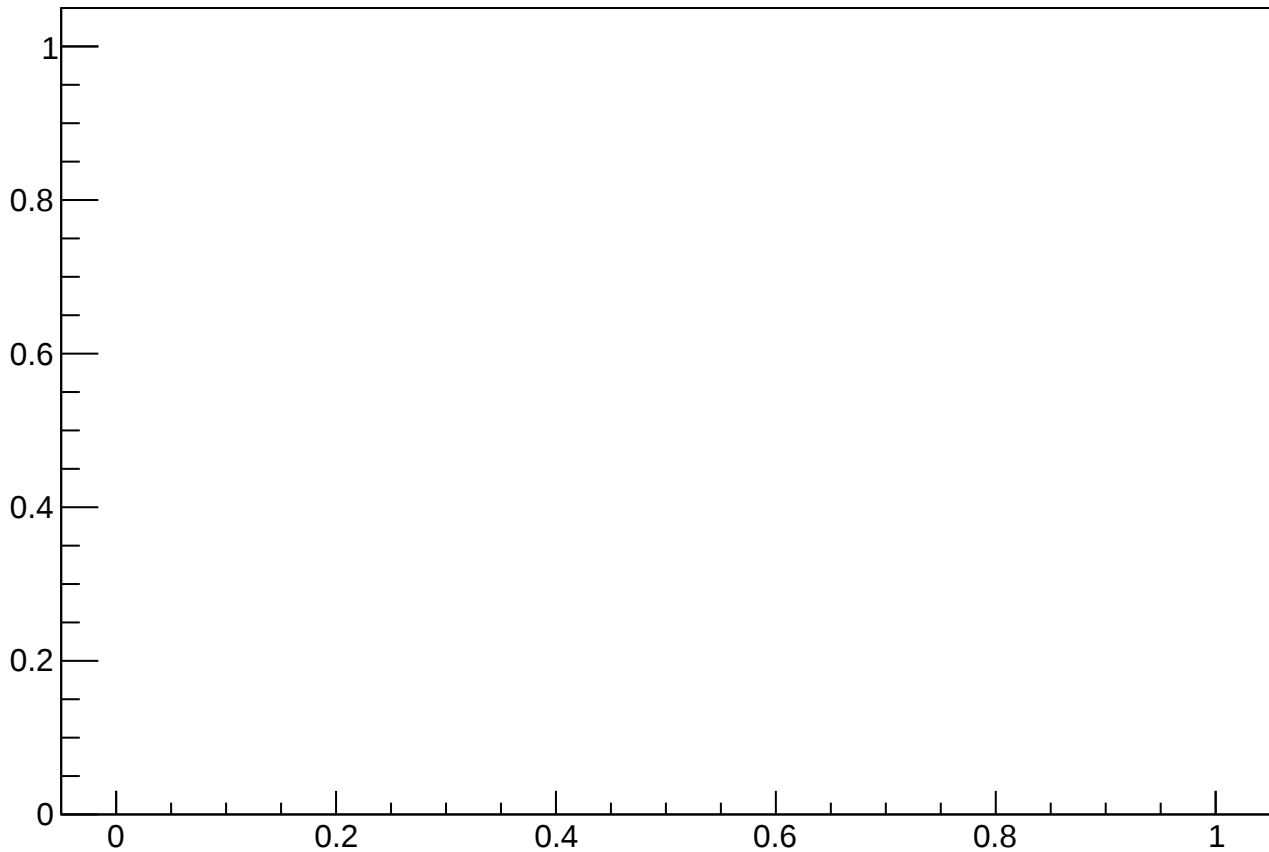
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_an_us_ds_avg_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

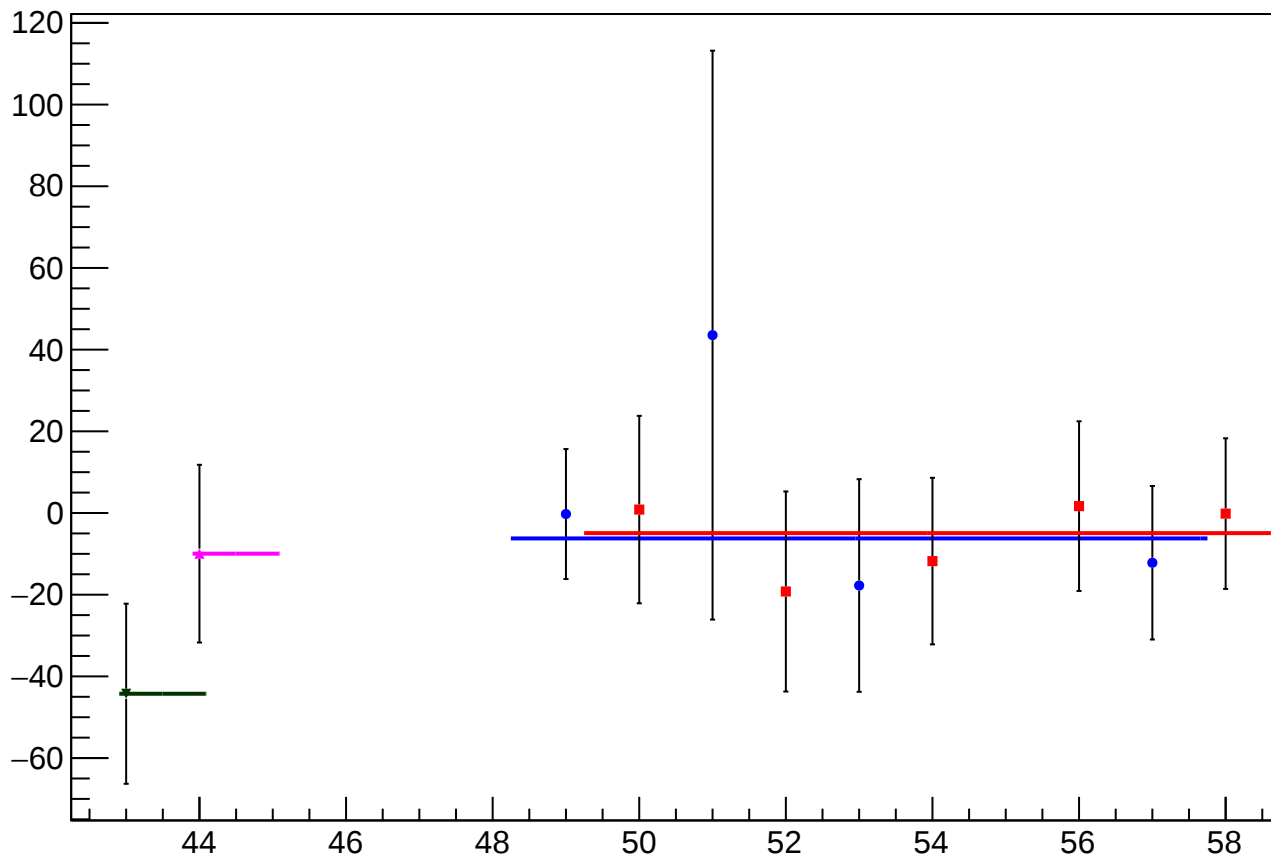
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_an_us_ds_dd_mean vs slug



Right In: -6.225+/-10.871 χ^2/NDF : 0.9/3

Left Out: -44.252+/-22.047 χ^2/NDF : 0.0/0

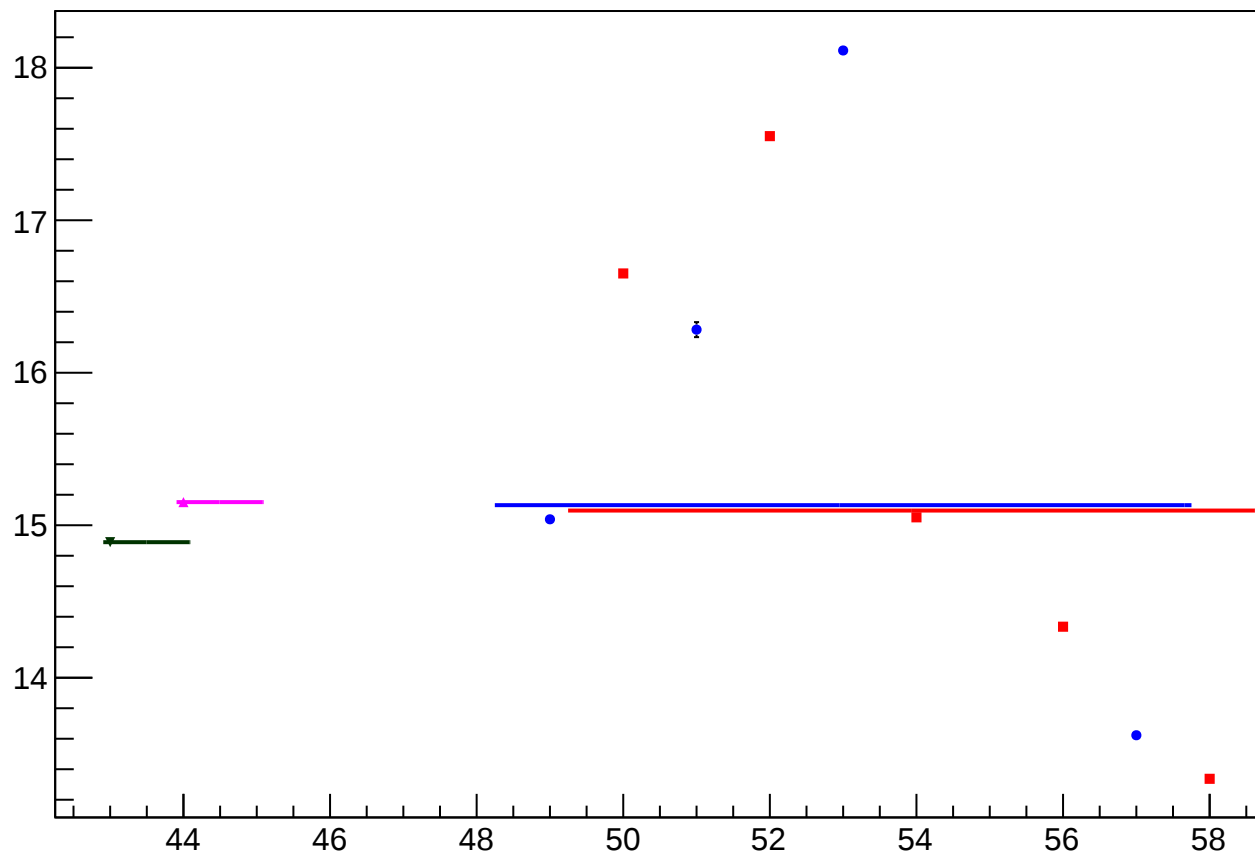
Right Out: -4.923+/-9.437 χ^2/NDF : 0.7/4

Left In: -9.952+/-21.757 χ^2/NDF : 0.0/0

-13.662+/-9.750 χ^2/NDF : 3.3/4

-5.720+/-8.658 χ^2/NDF : 0.7/5

bcm_an_us_ds_dd_rms vs slug



Right In: 15.132+/-0.008 χ^2/NDF : 39743.2/3

Left Out: 14.889+/-0.016 χ^2/NDF : 0.0/0

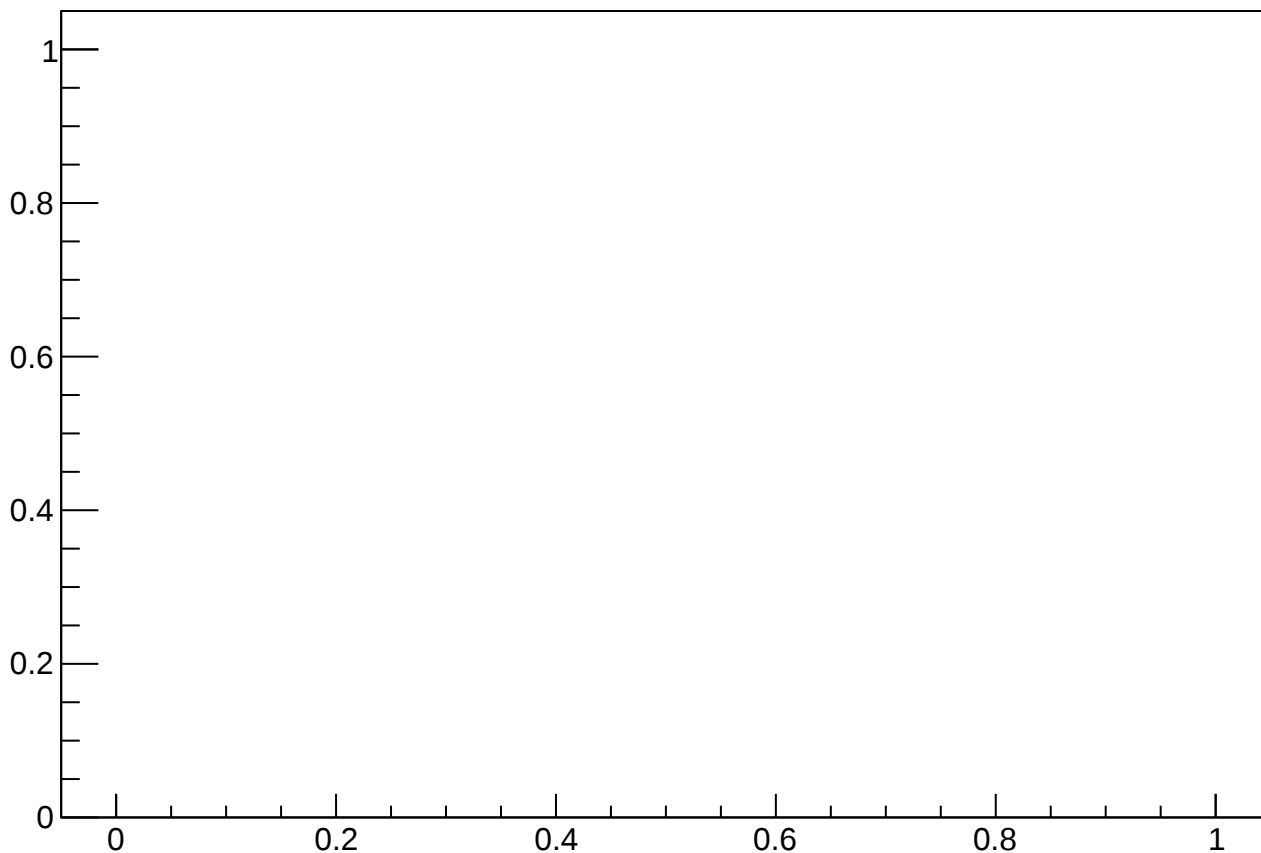
Right Out: 15.096+/-0.007 χ^2/NDF : 50173.0/4

Left In: 15.152+/-0.015 χ^2/NDF : 0.0/0

15.084+/-0.007 χ^2/NDF : 39938.3/4

15.105+/-0.006 χ^2/NDF : 50183.9/5

bcm_an_us_ds3_dd_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

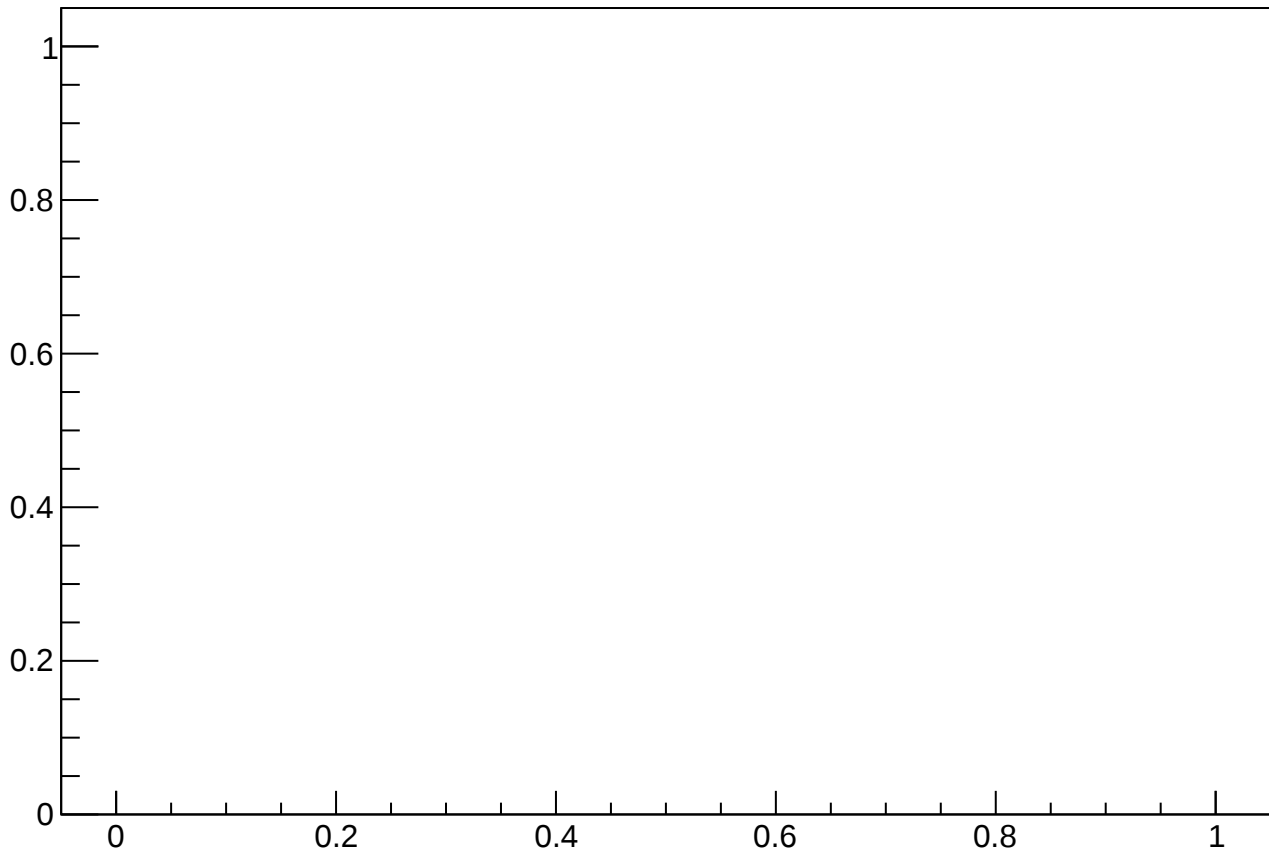
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_an_us_ds3_dd_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

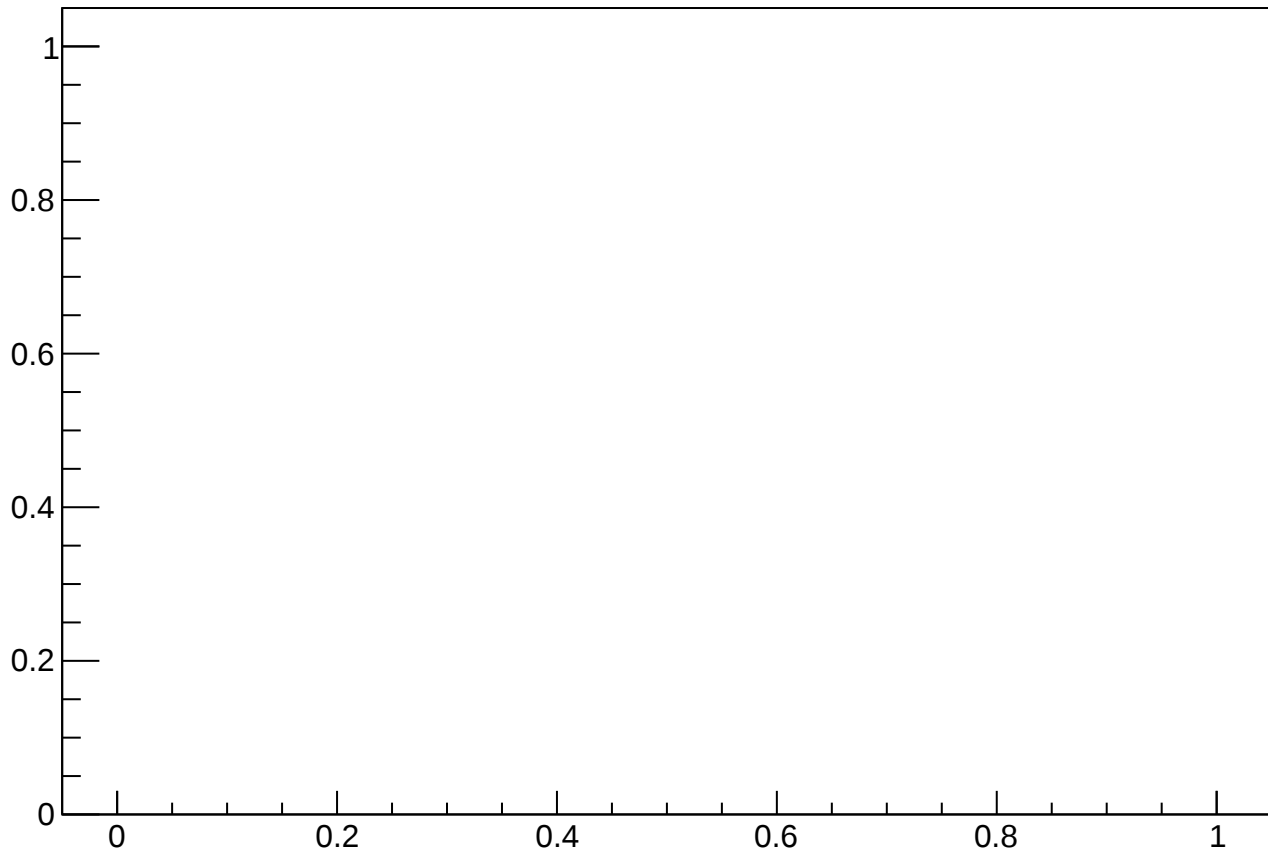
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_an_ds_ds3_dd_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

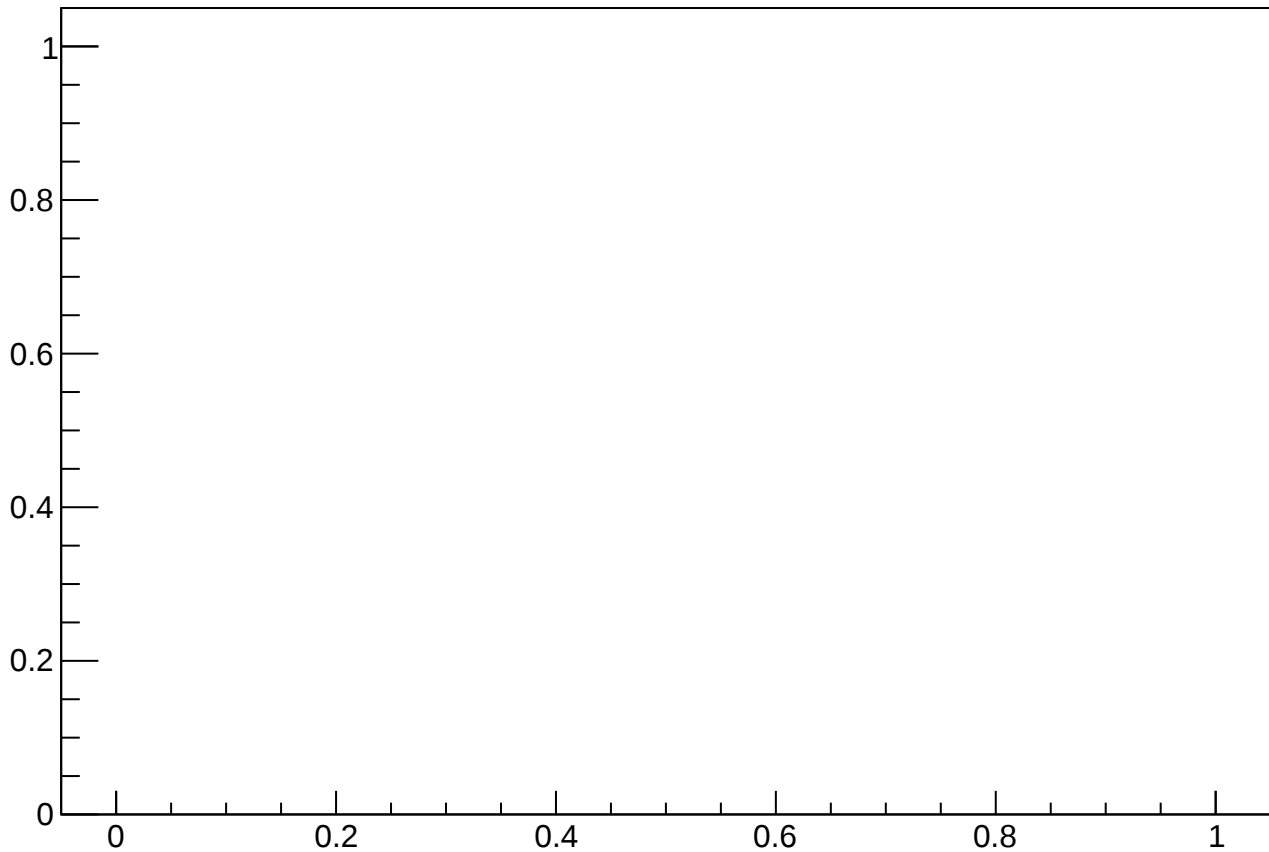
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_an_ds_ds3_dd_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

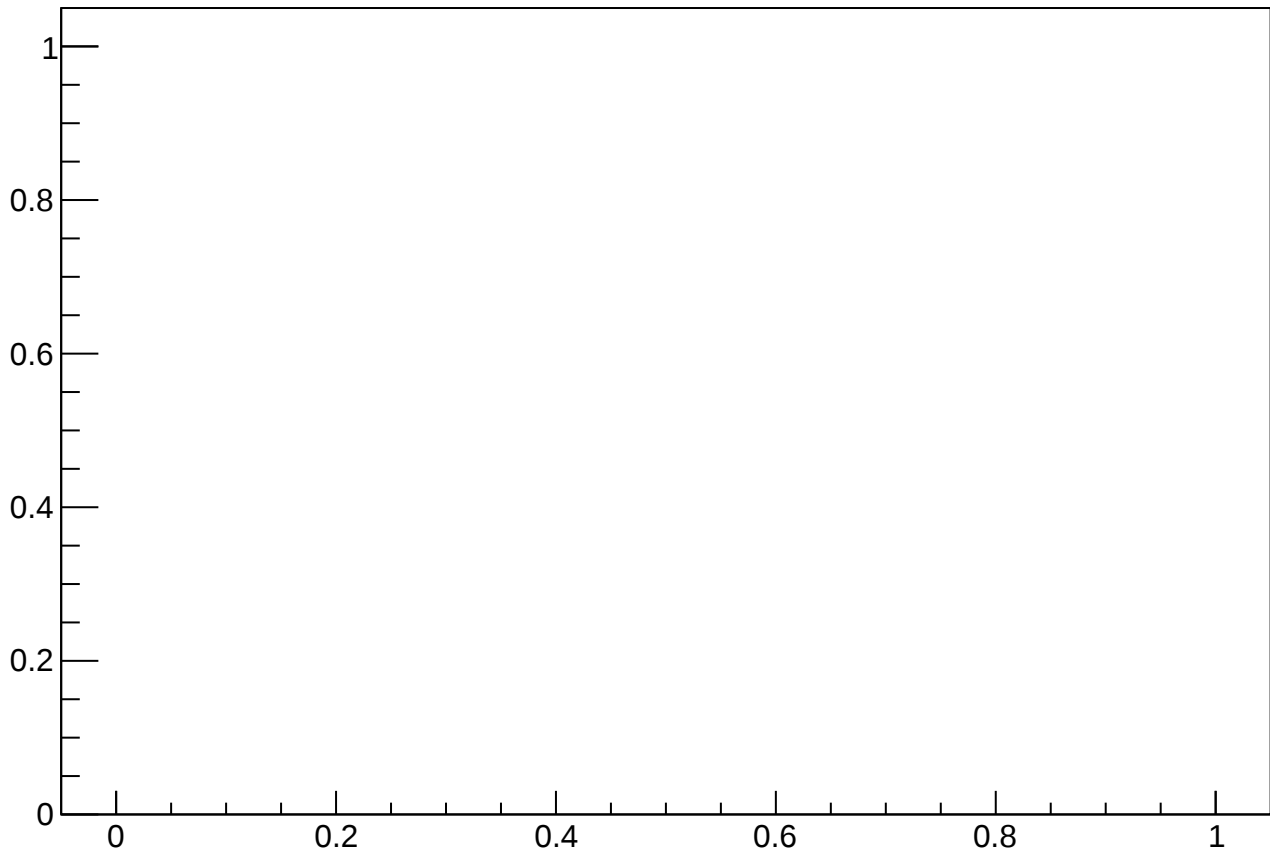
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_avg_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

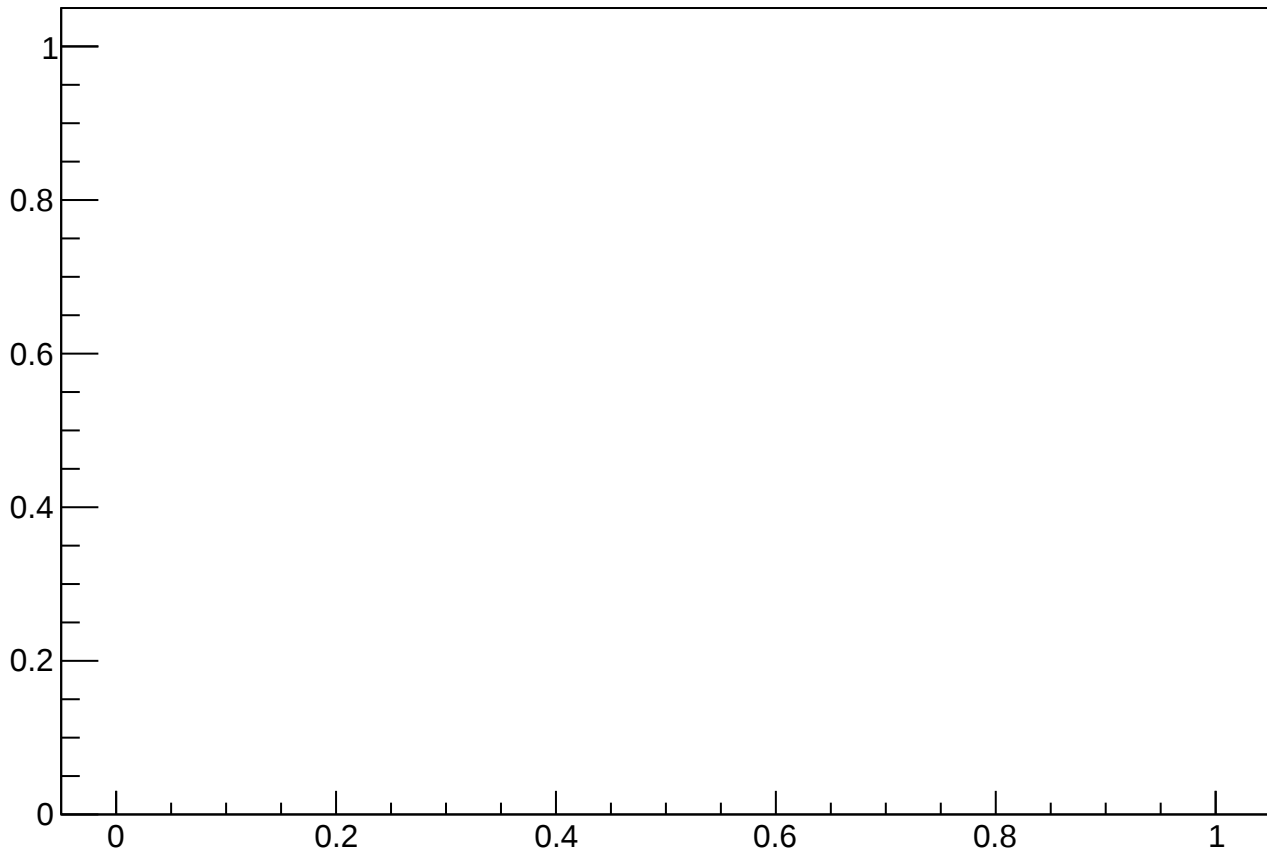
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_avg_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

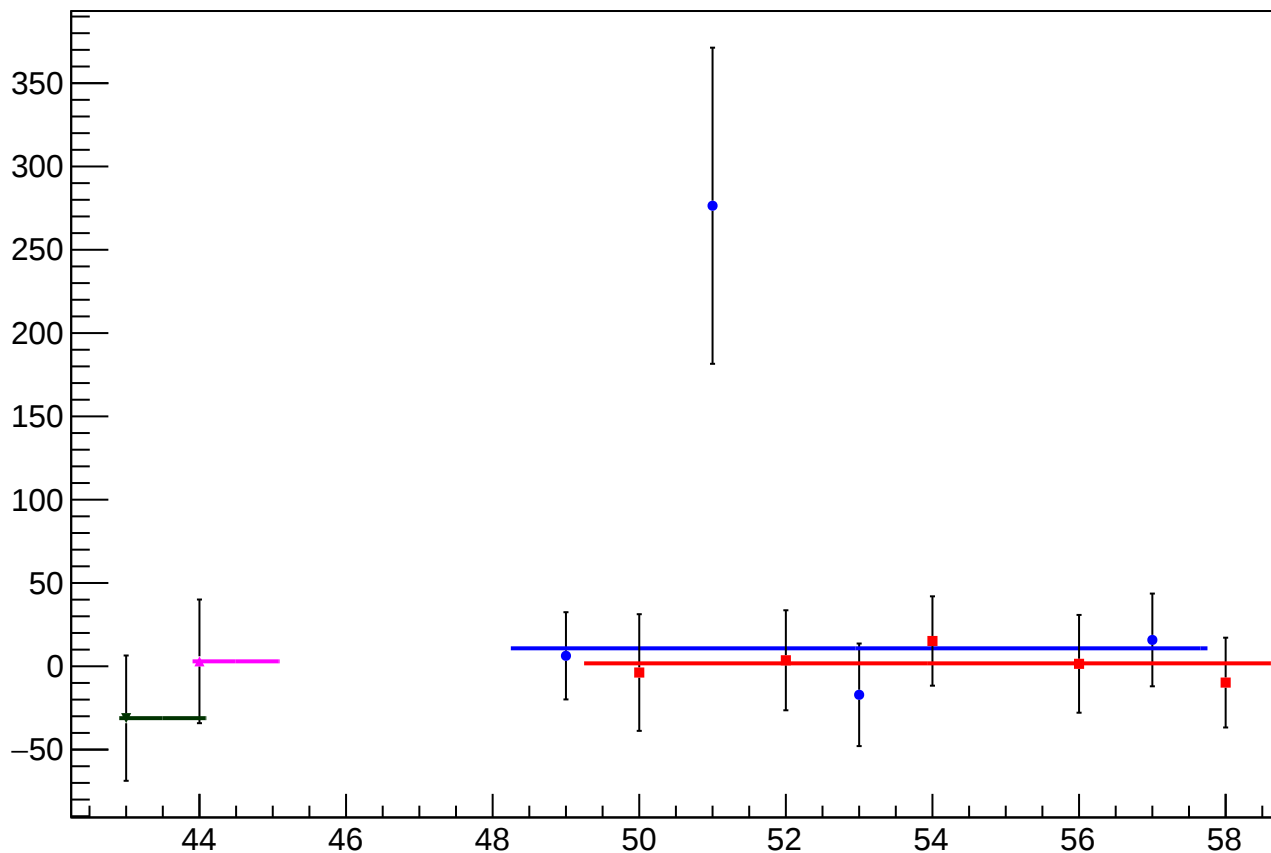
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds_dd_mean vs slug



Right In: 10.784 $\pm$ 15.978 χ^2 /NDF: 8.7/3

Left Out: -31.130 $\pm$ 37.603 χ^2 /NDF: 0.0/0

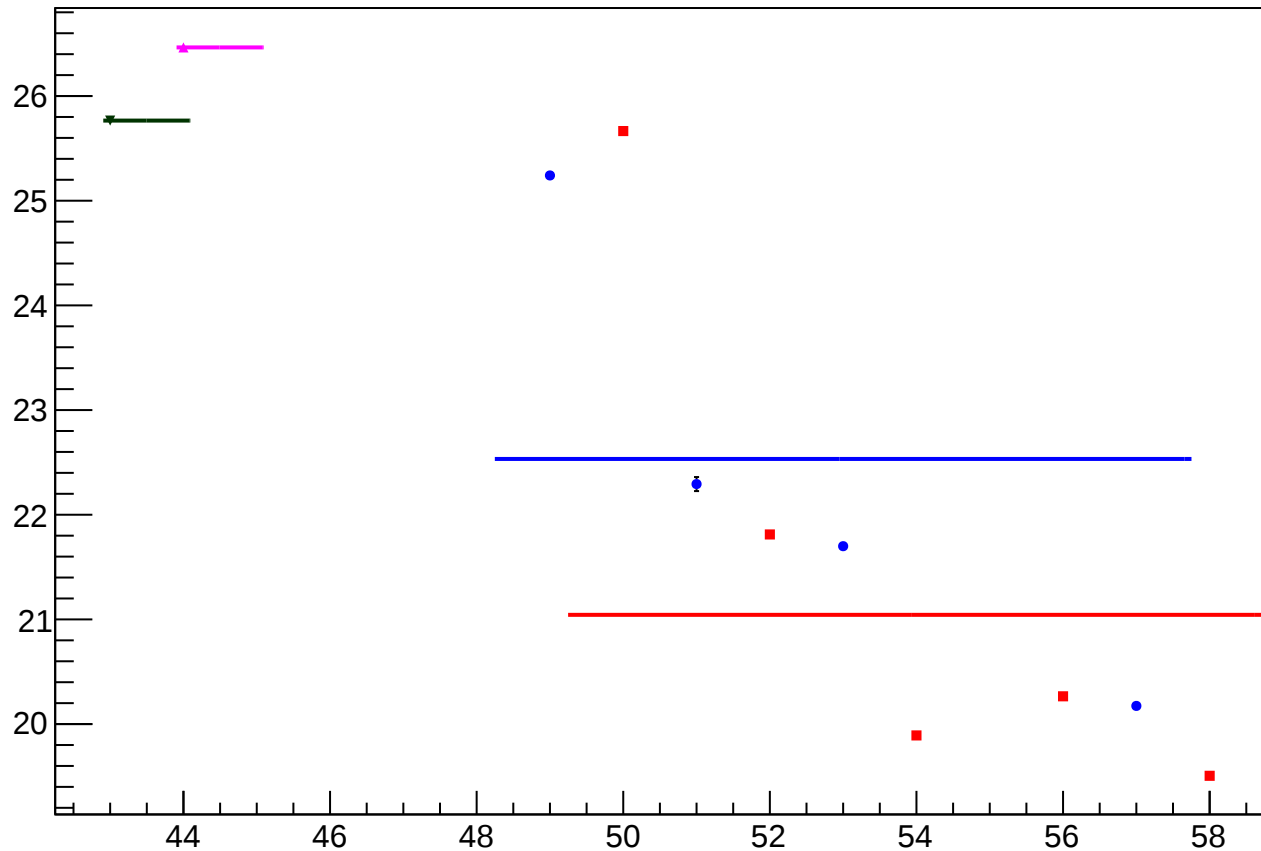
Right Out: 1.760 $\pm$ 13.069 χ^2 /NDF: 0.5/4

Left In: 2.964 $\pm$ 37.111 χ^2 /NDF: 0.0/0

4.373 $\pm$ 14.705 χ^2 /NDF: 9.8/4

1.893 $\pm$ 12.327 χ^2 /NDF: 0.5/5

bcm_dg_us_ds_dd _rms vs slug



Right In: 22.533 $\pm$ 0.011 χ^2/NDF : 37266.1/3

Left Out: 25.766 $\pm$ 0.027 χ^2/NDF : 0.0/0

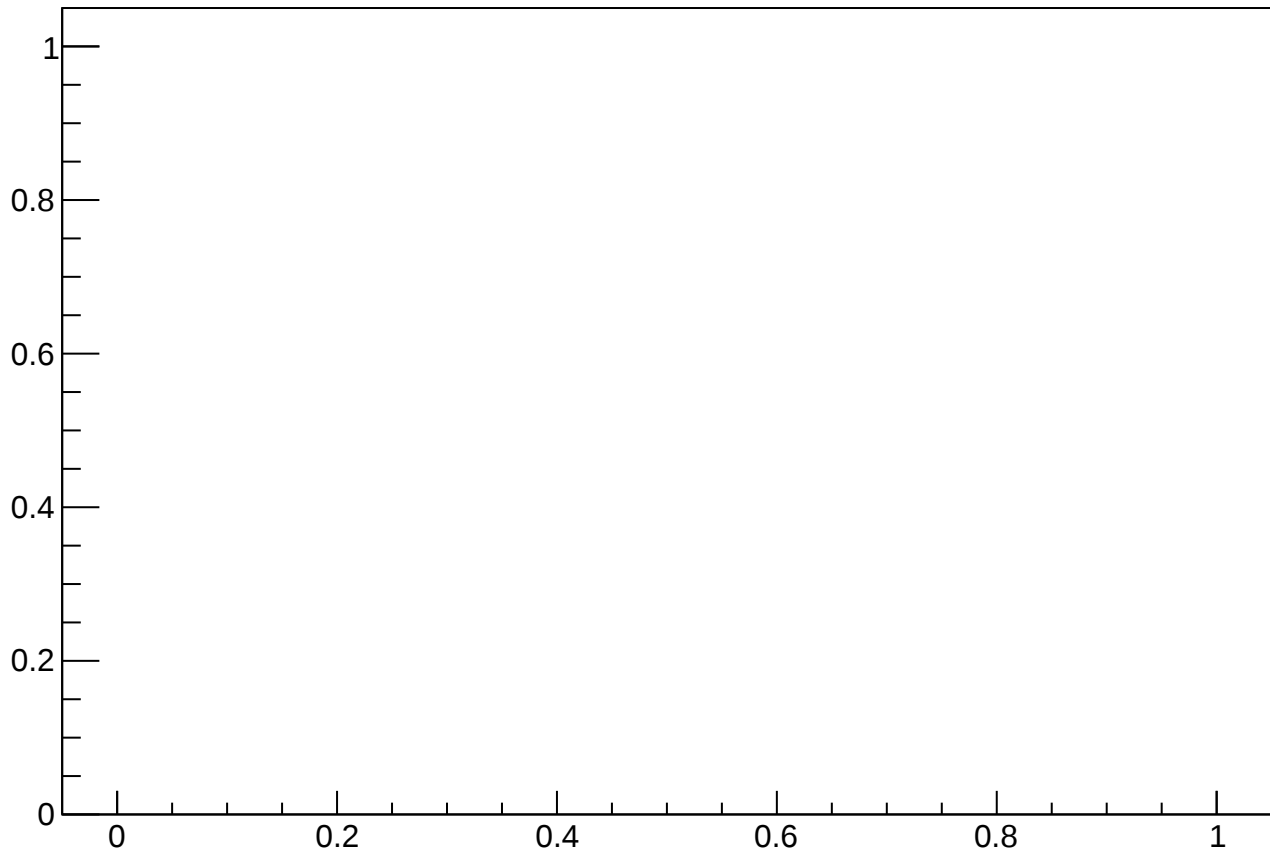
Right Out: 21.044 $\pm$ 0.009 χ^2/NDF : 47776.9/4

Left In: 26.465 $\pm$ 0.026 χ^2/NDF : 0.0/0

23.027 $\pm$ 0.010 χ^2/NDF : 49786.1/4

21.642 $\pm$ 0.009 χ^2/NDF : 85742.1/5

bcm_dg_us_ds3_dd_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

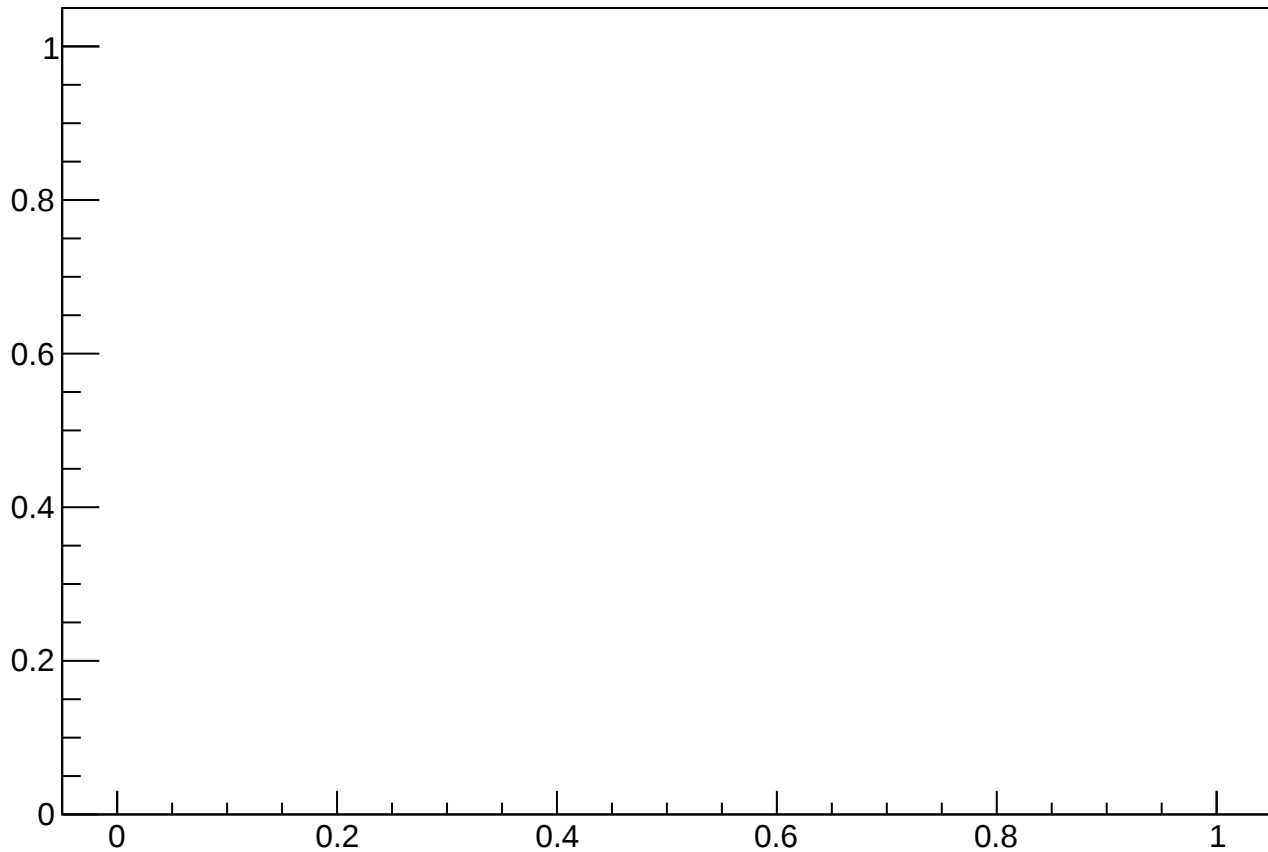
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds3_dd_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

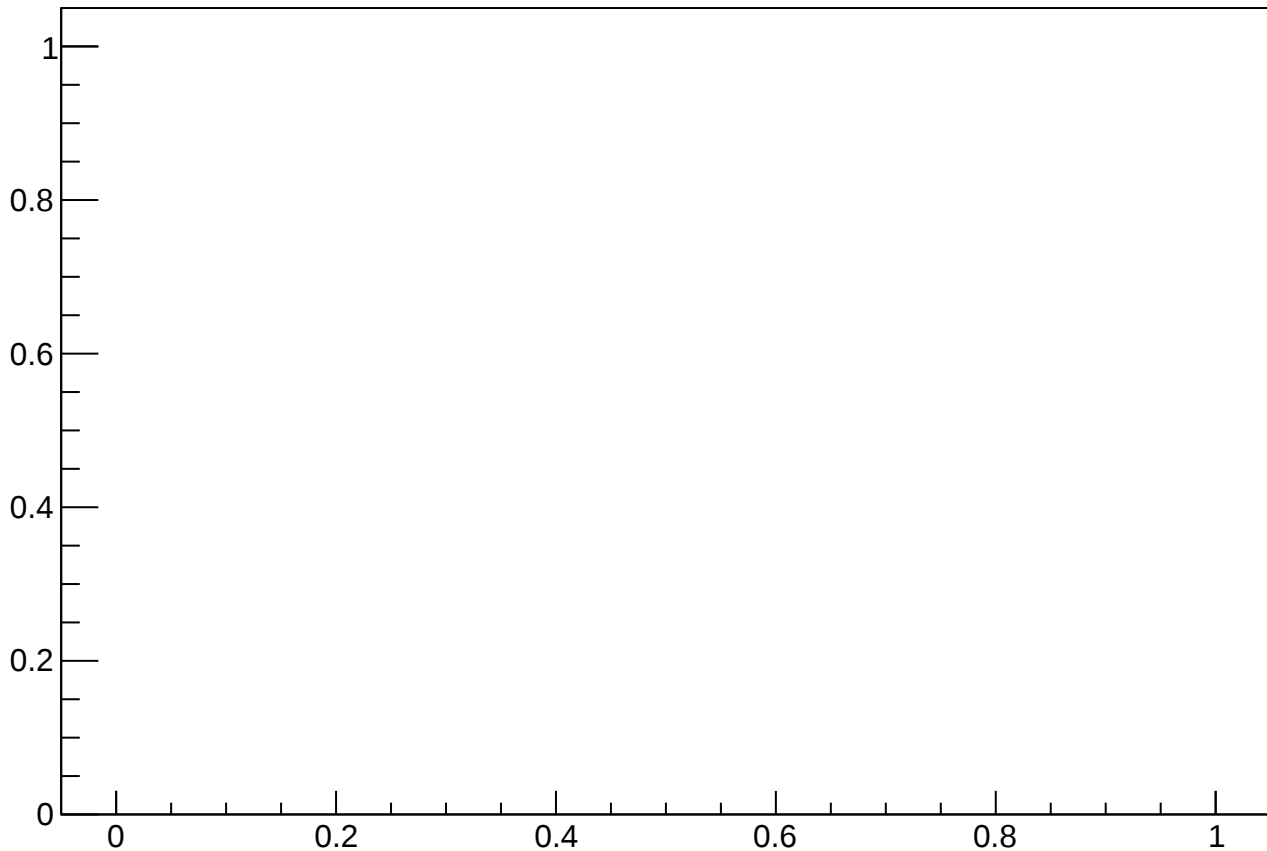
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_avg_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

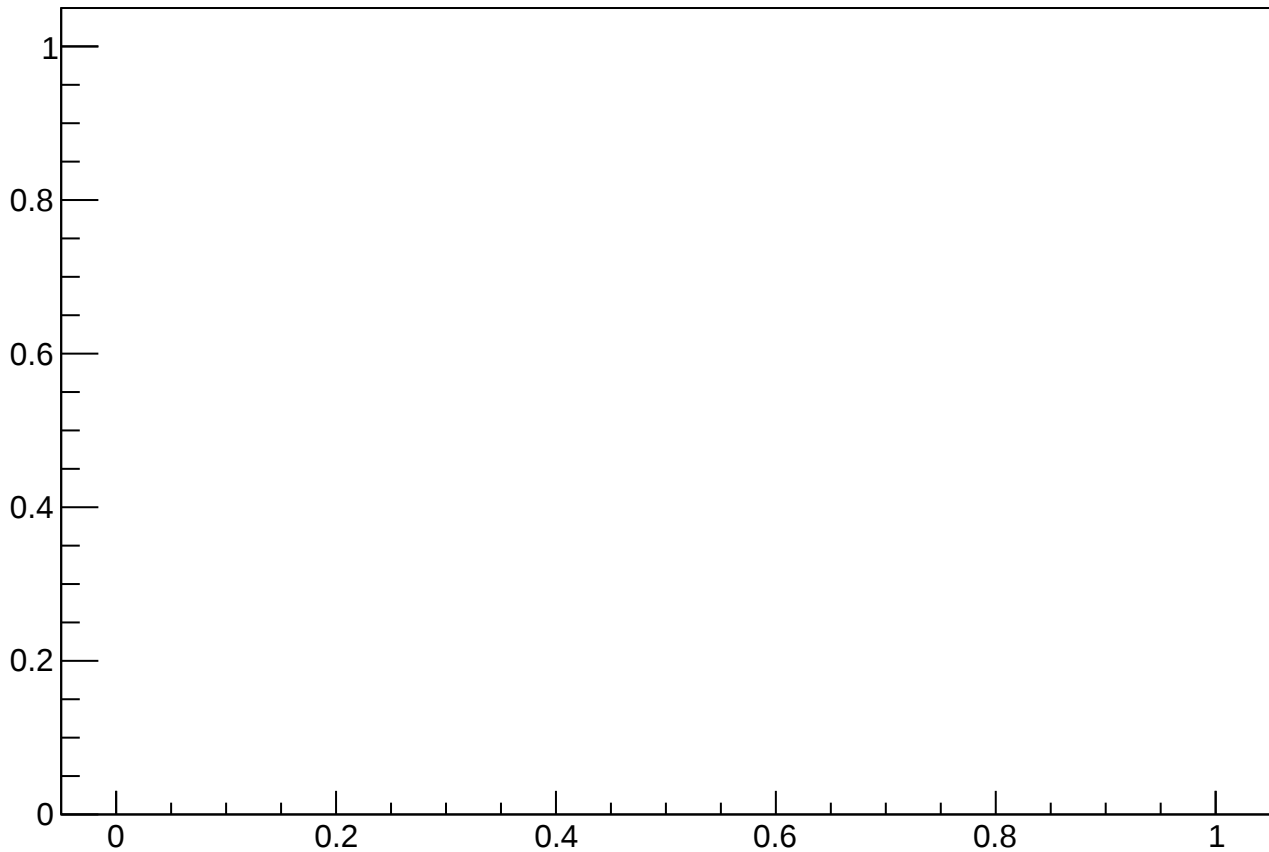
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_avg_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

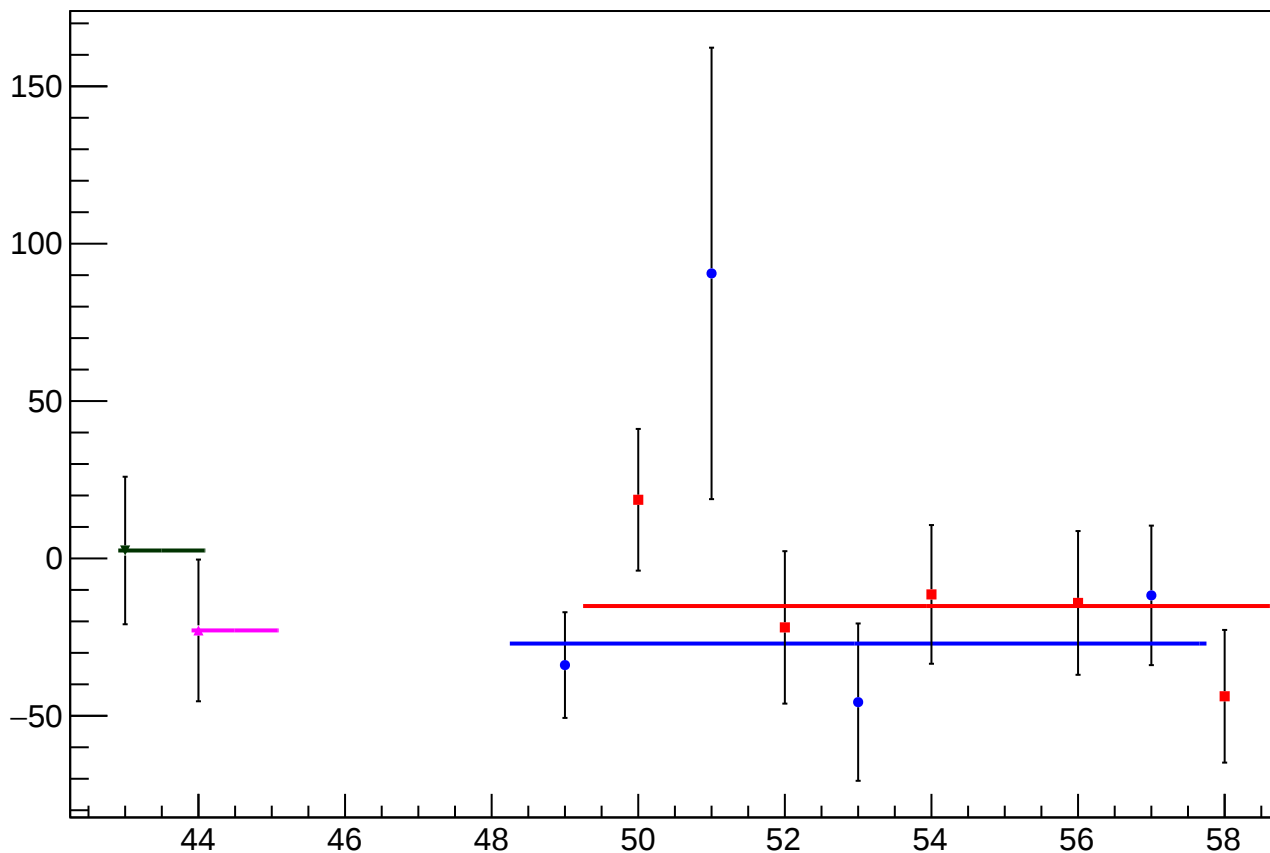
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds_dd_mean vs slug



Right In: -27.045 ± 11.641 χ^2/NDF : 3.9/3

Left Out: 2.521 ± 23.436 χ^2/NDF : 0.0/0

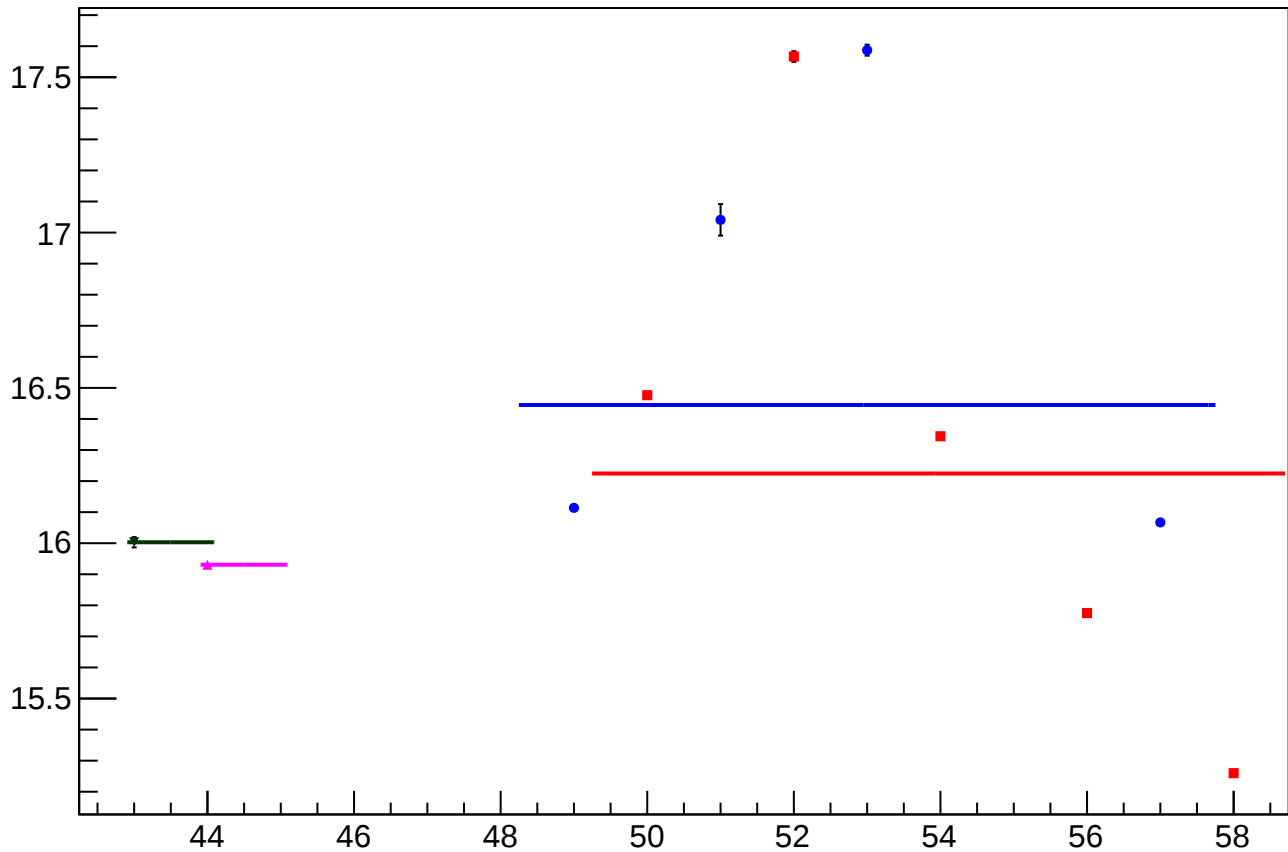
Right Out: -15.122 ± 10.047 χ^2/NDF : 4.2/4

Left In: -22.872 ± 22.514 χ^2/NDF : 0.0/0

-21.194 ± 10.426 χ^2/NDF : 5.2/4

-16.409 ± 9.175 χ^2/NDF : 4.3/5

bcm_dg_ds_ds_dd _rms vs slug



Right In: 16.445 $\pm$ 0.008 χ^2 /NDF: 5675.6/3

Left Out: 16.003 $\pm$ 0.017 χ^2 /NDF: 0.0/0

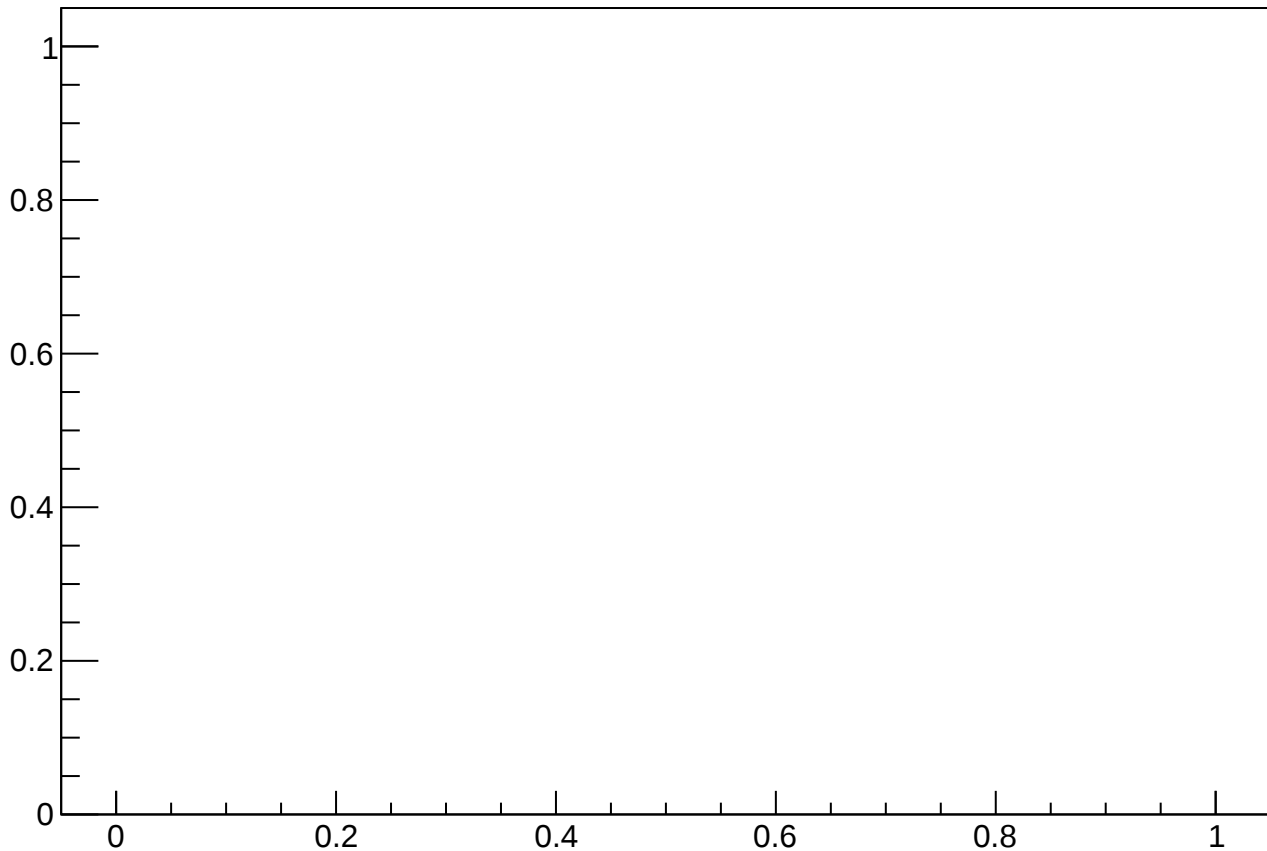
Right Out: 16.224 $\pm$ 0.007 χ^2 /NDF: 11418.9/4

Left In: 15.931 $\pm$ 0.016 χ^2 /NDF: 0.0/0

16.358 $\pm$ 0.007 χ^2 /NDF: 6246.1/4

16.176 $\pm$ 0.006 χ^2 /NDF: 11702.6/5

bcm_dg_ds_ds3_avg_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

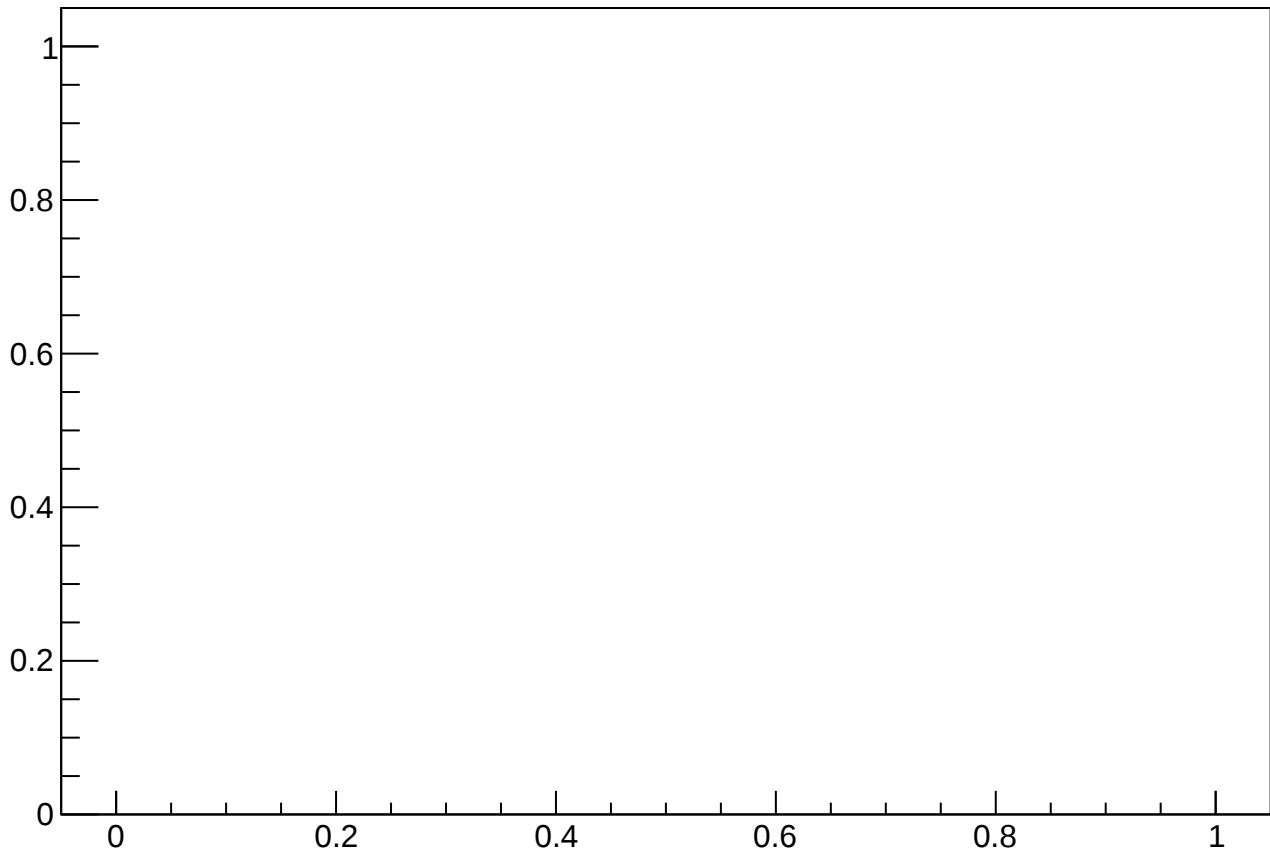
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds3_avg_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

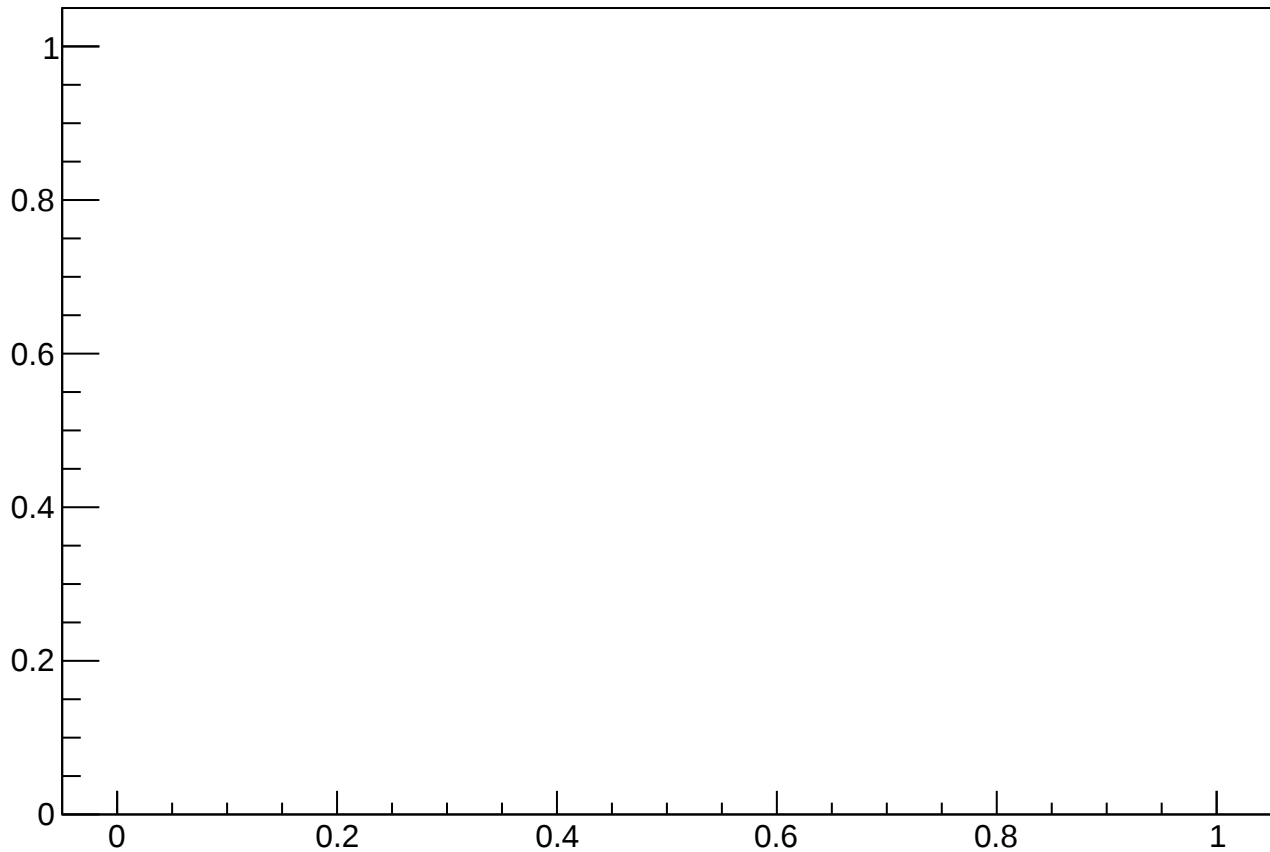
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds3_dd _mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

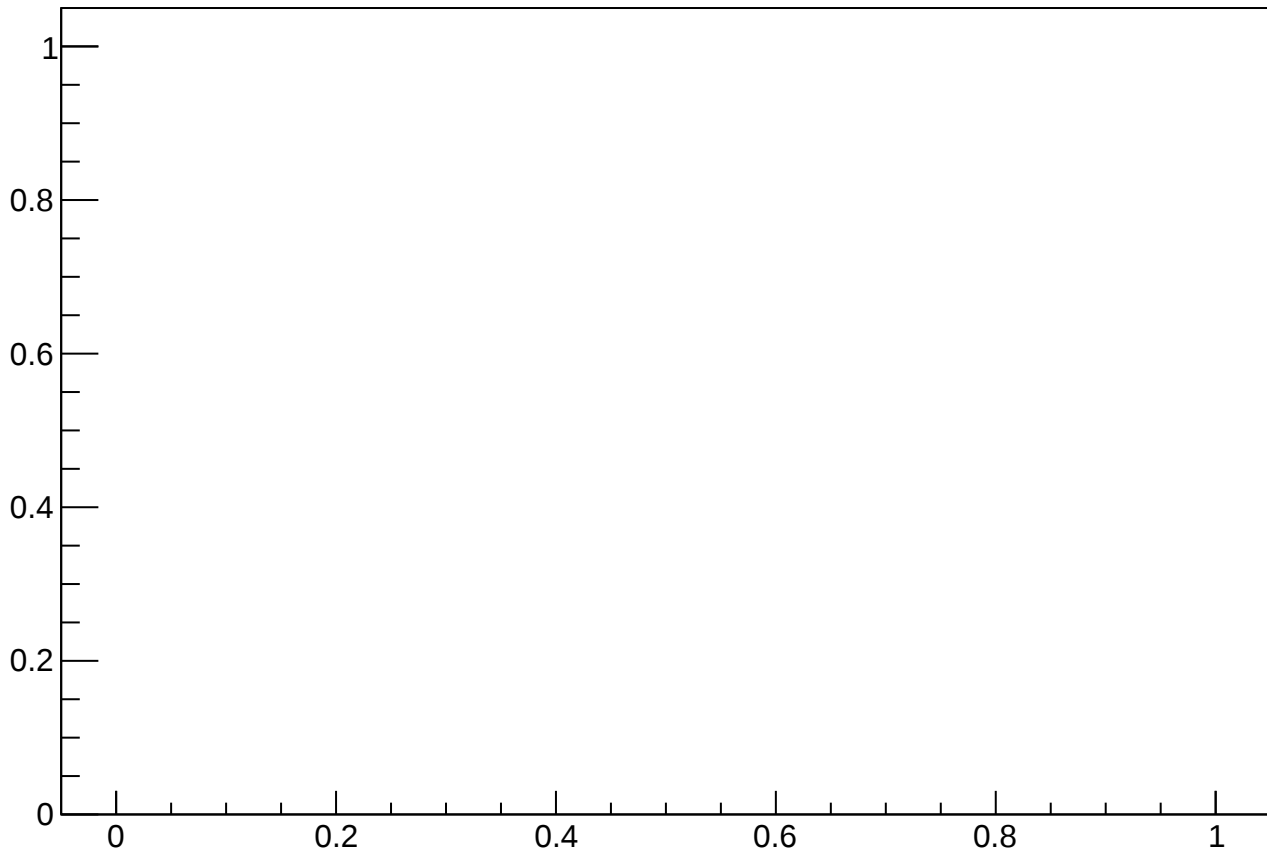
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds3_dd_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

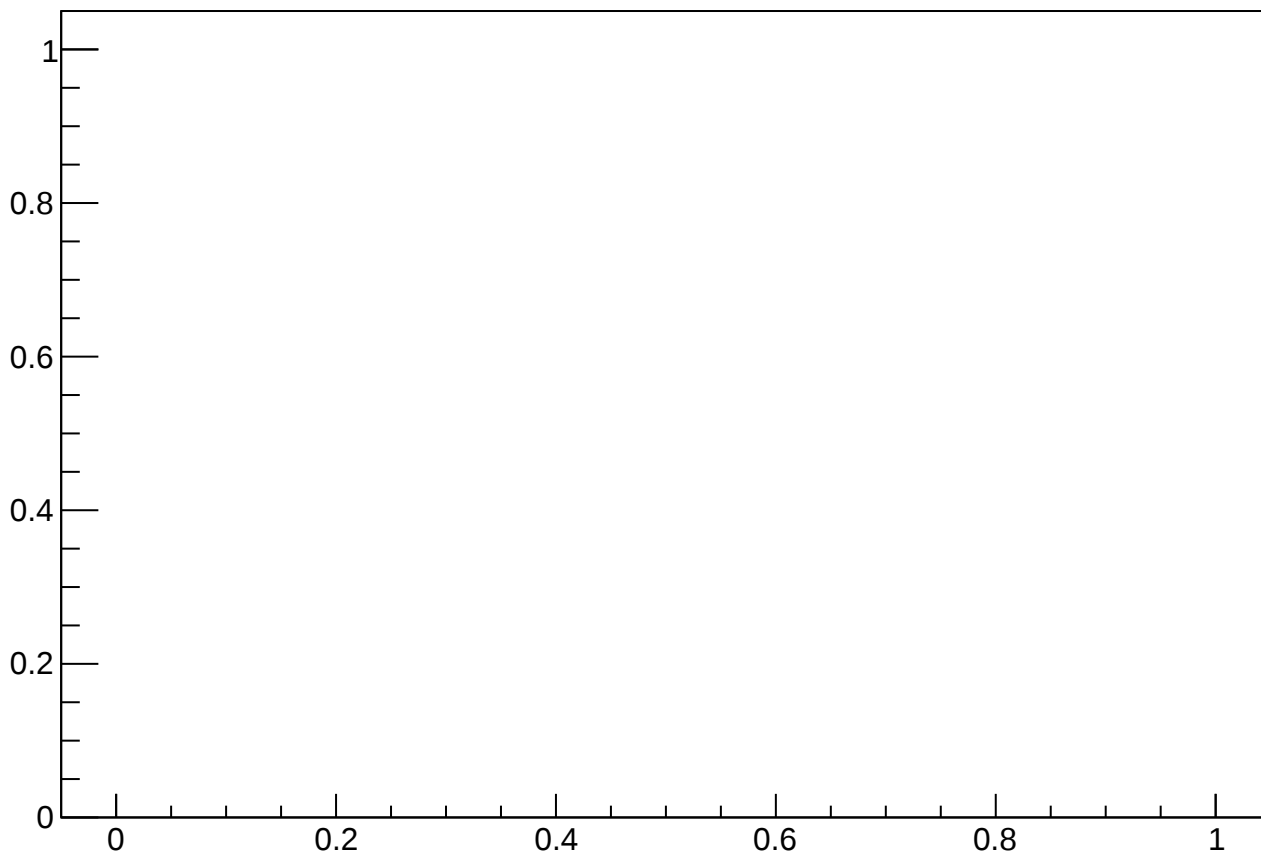
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_cav4cQ_ds_avg_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

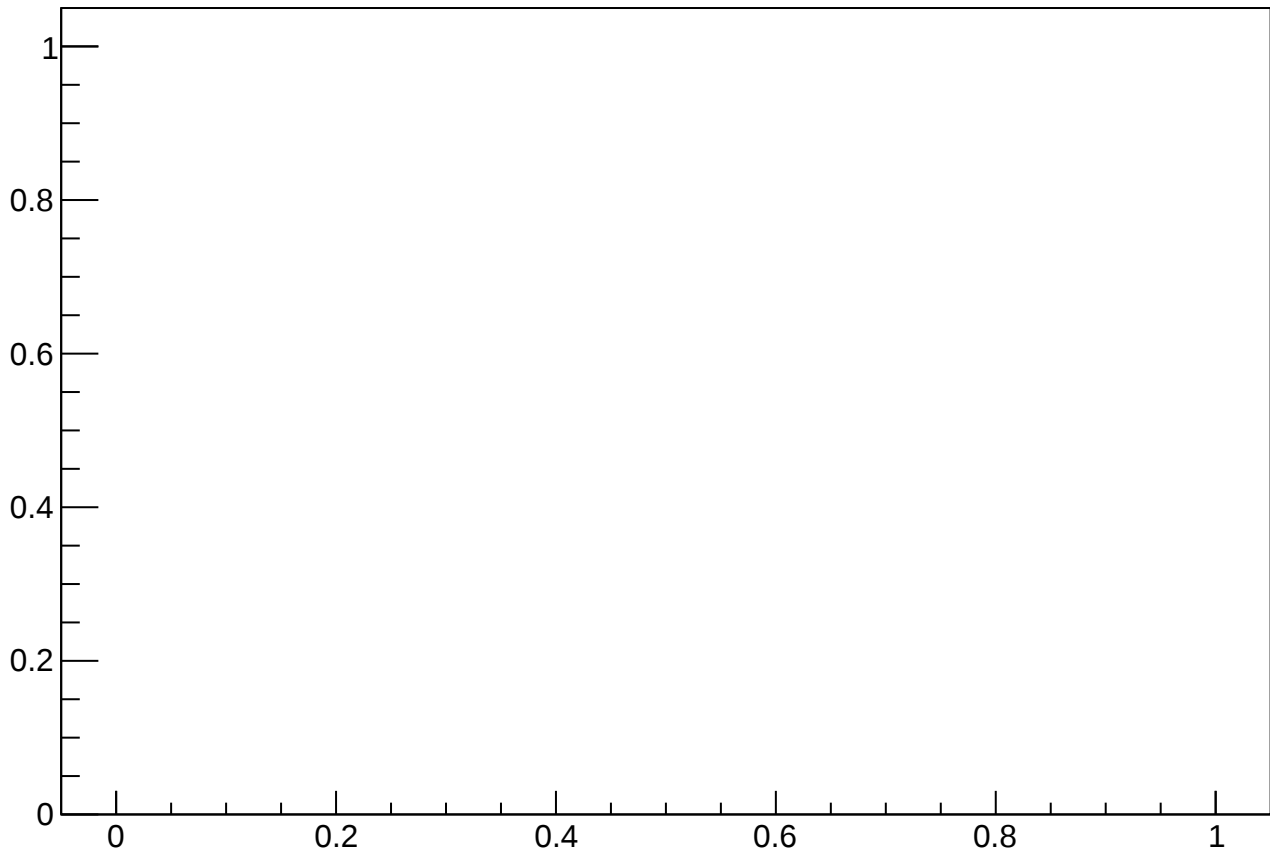
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_cav4cQ_ds_avg_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

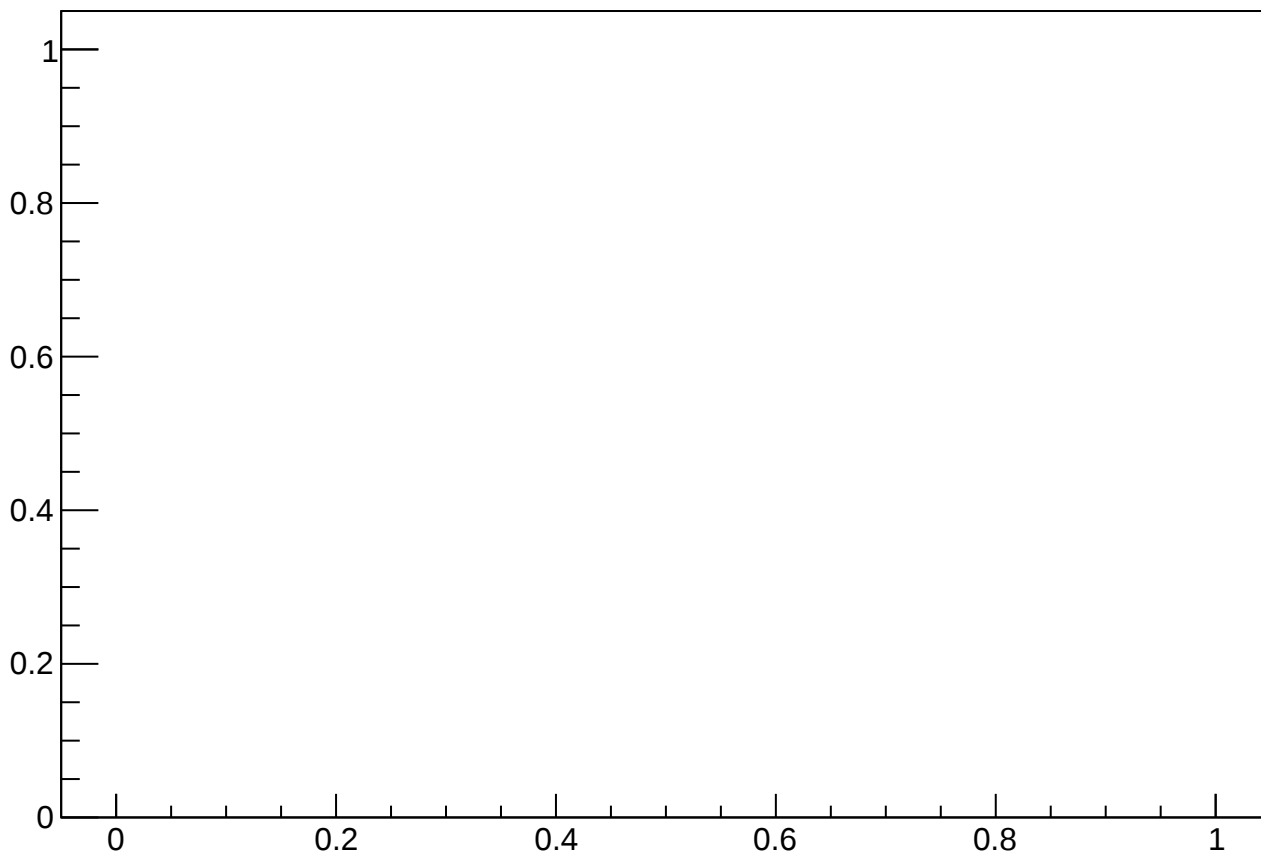
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_cav4cQ_ds_dd_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

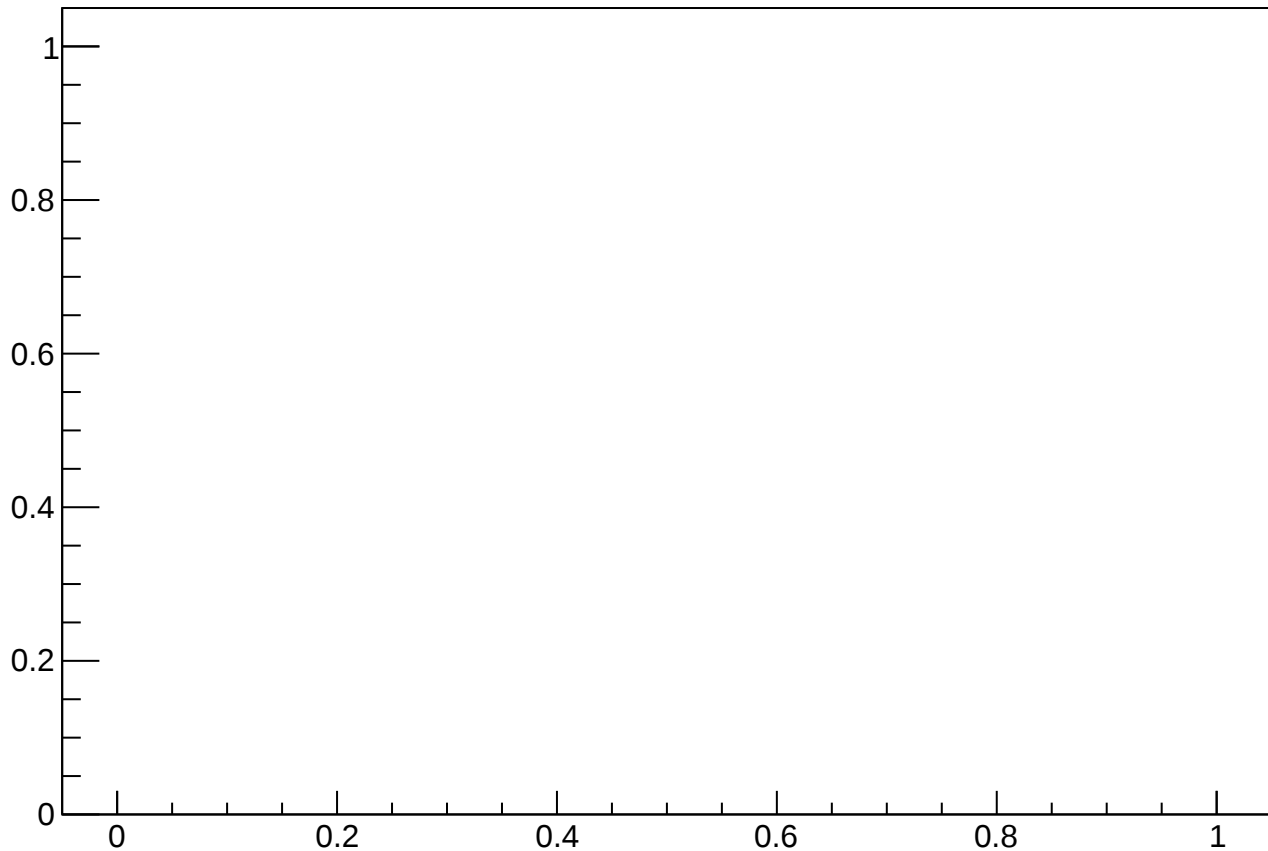
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_cav4cQ_ds_dd _rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

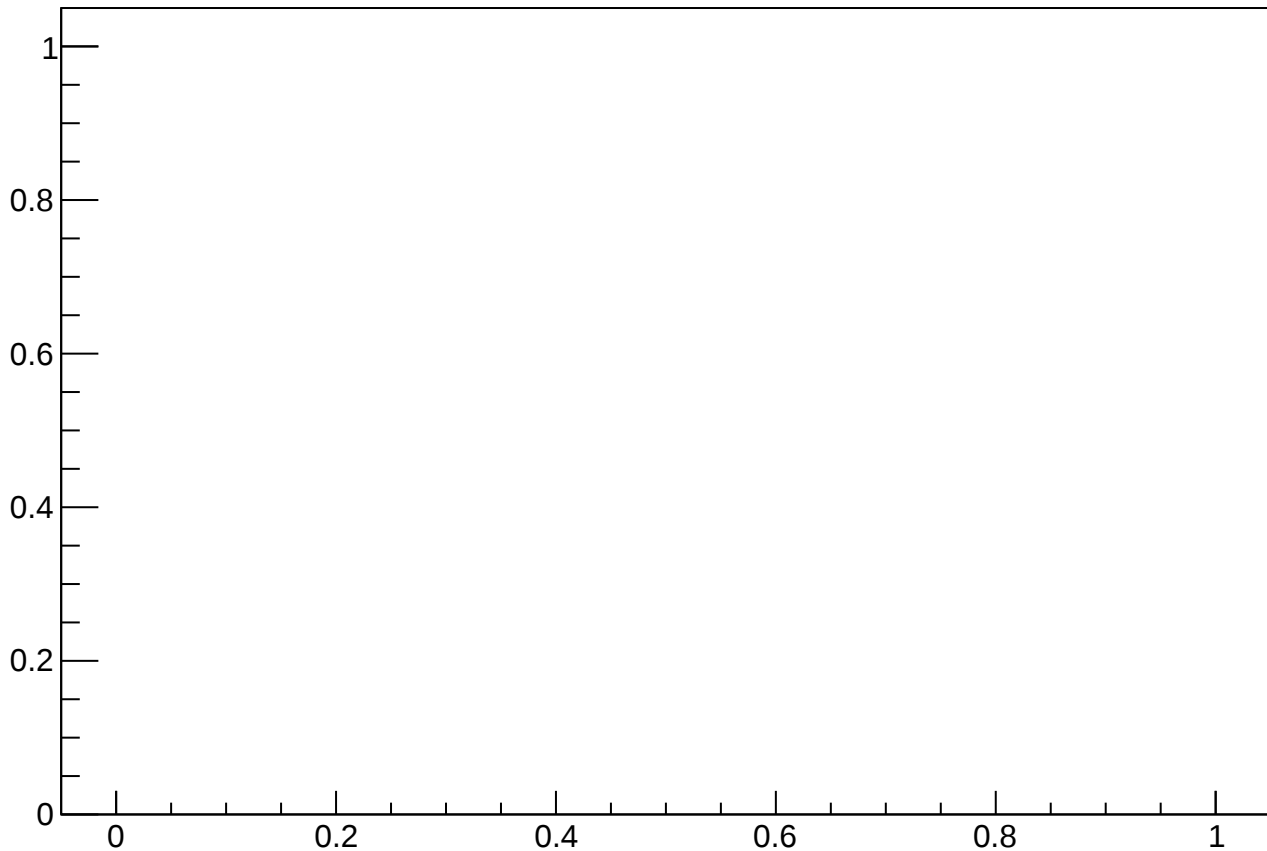
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_cav4cQ_ds3_dd_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

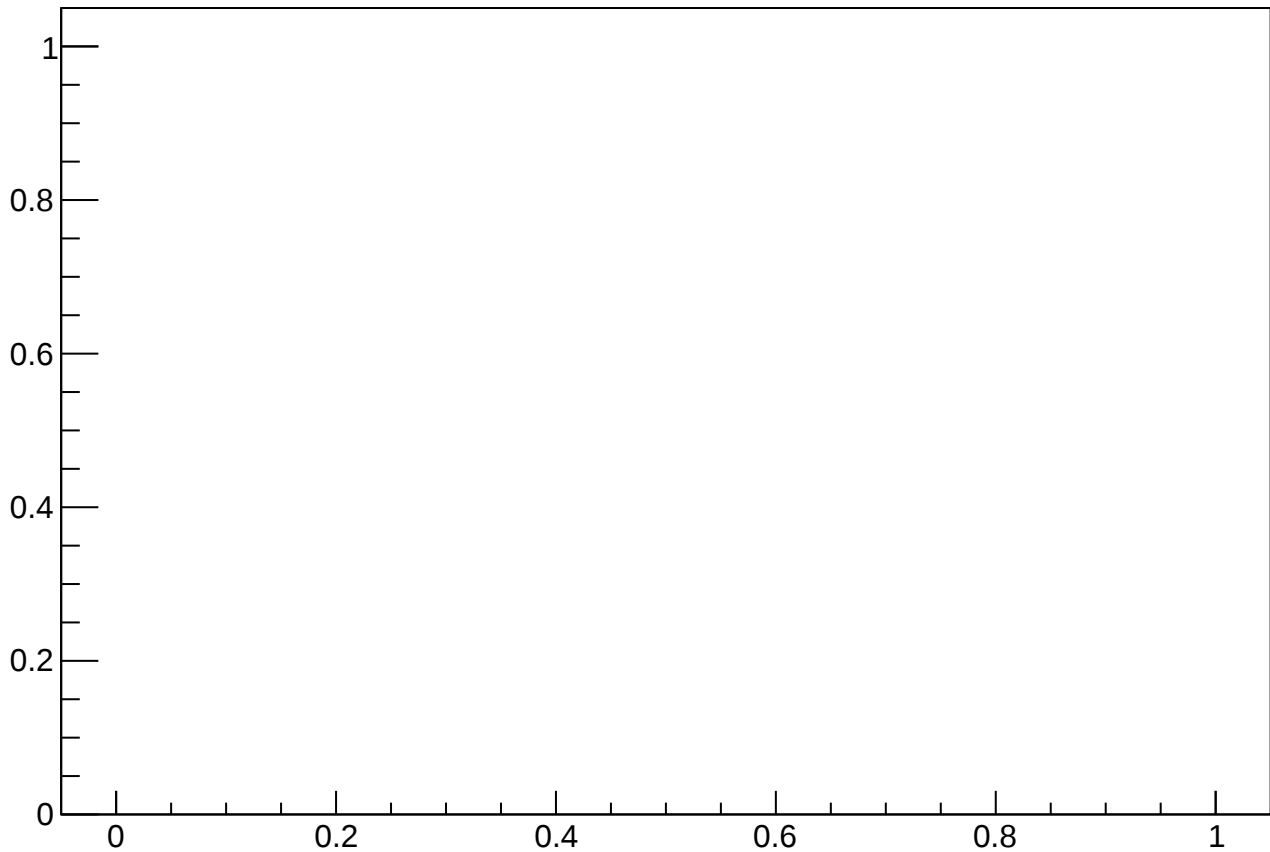
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_cav4cQ_ds3_dd_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

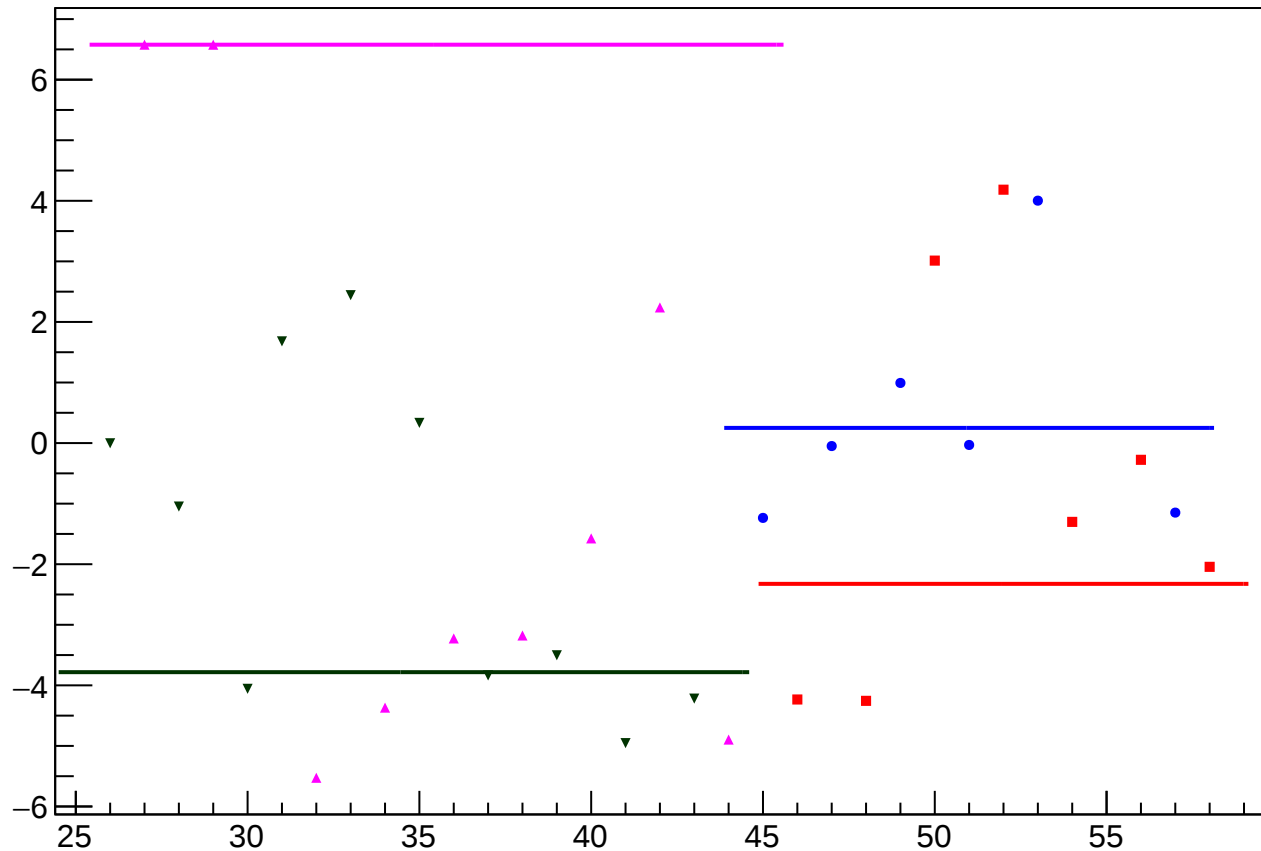
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_cav4bX_mean vs slug



Right In: 0.251+/-0.002 χ^2/NDF : 1065347.0/5

Left Out: -3.782+/-0.001 χ^2/NDF :5650855.8/9

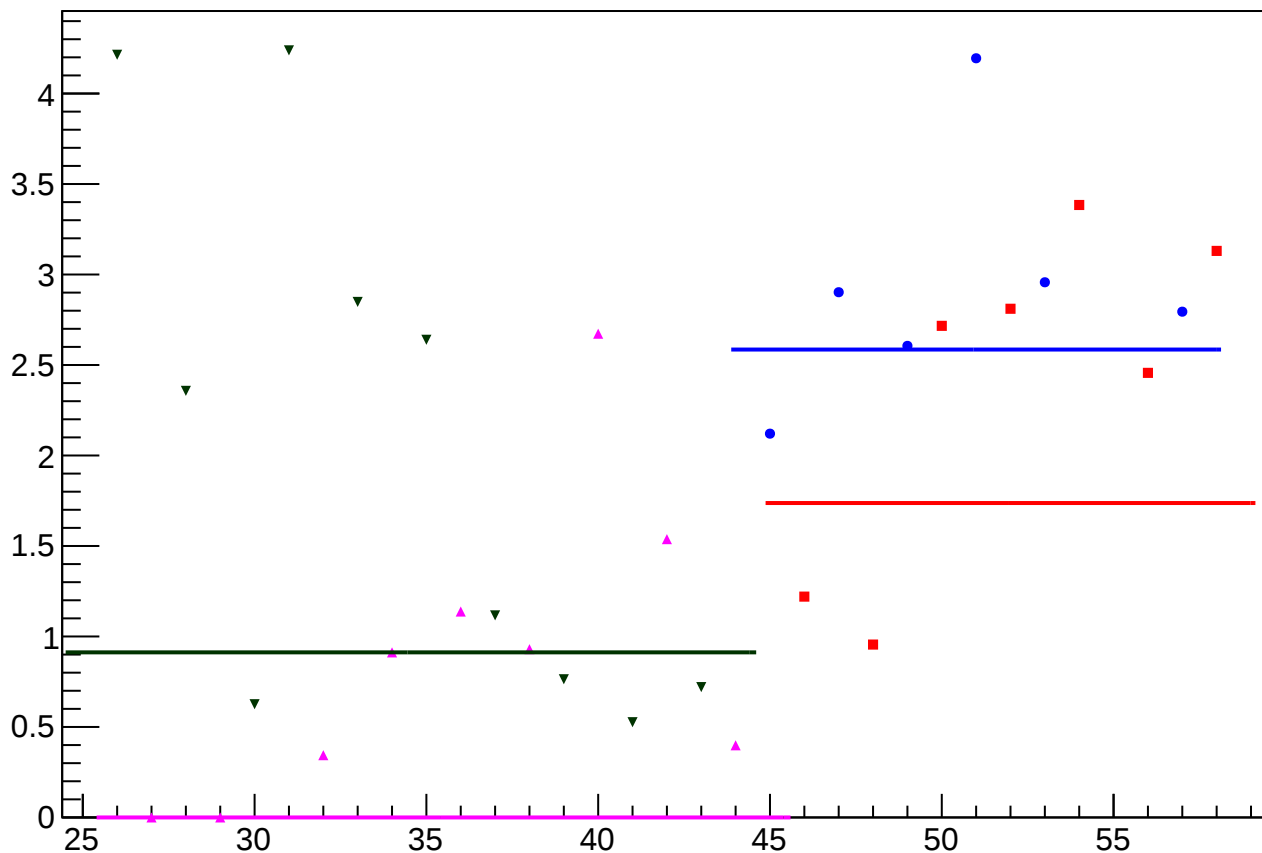
Right Out: -2.324+/-0.001 χ^2/NDF : 5917585.1/6

Left In: 6.578+/-0.000 χ^2/NDF :822801976.9/8

-3.256+/-0.001 χ^2/NDF : 12036438.6/15

6.578+/-0.000 χ^2/NDF : 884764224.9/15

yield_cav4bX_rms vs slug



Right In: 2.585+/-0.001 χ^2/NDF : 90736.6/5

Left Out: 0.912+/-0.000 χ^2/NDF : 2500224.2/9

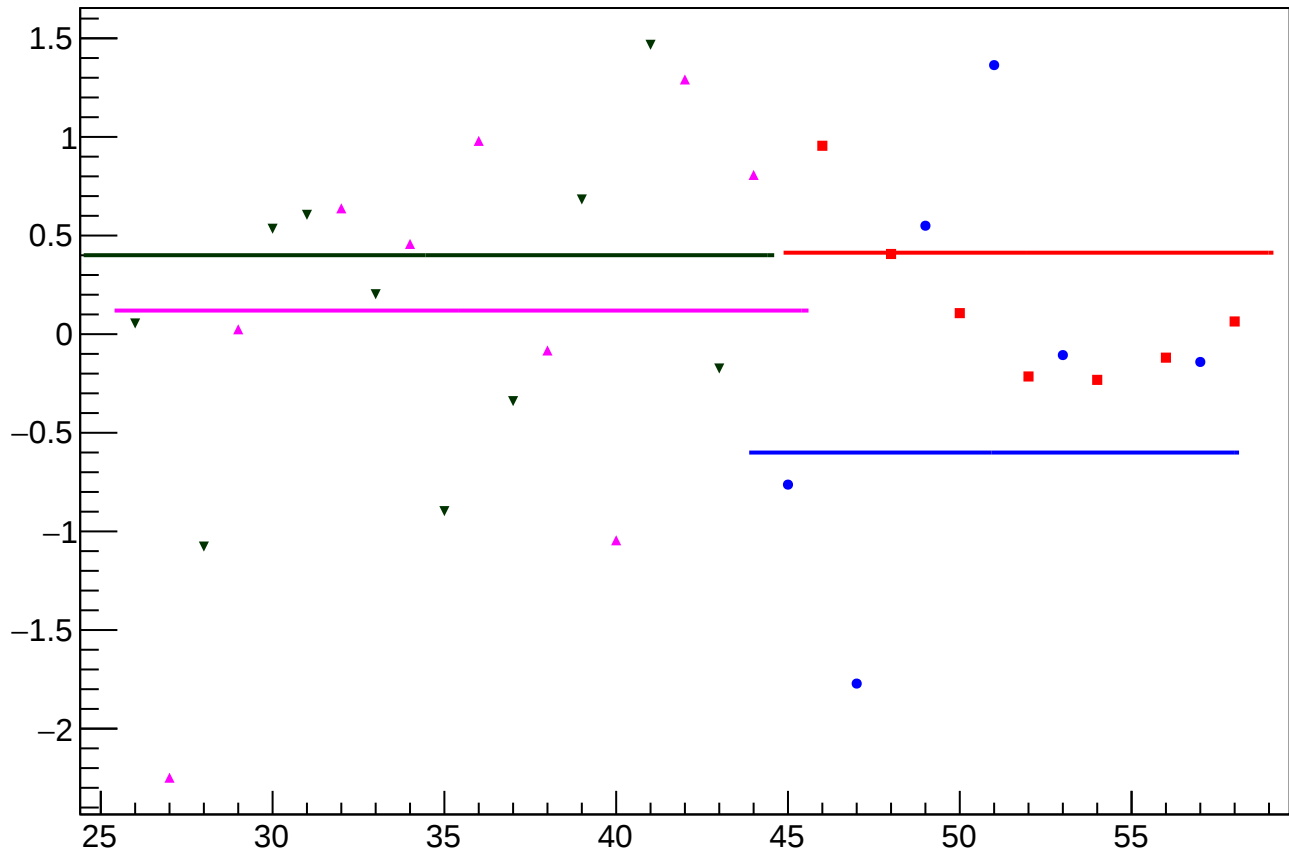
Right Out: 1.737+/-0.001 χ^2/NDF : 1125968.0/6

Left In: 0.000+/-0.000 χ^2/NDF : 4639772.6/8

1.131+/-0.000 χ^2/NDF : 4422375.5/15

0.000+/-0.000 χ^2/NDF : 10034510.1/15

yield_cav4bY_mean vs slug



Right In: -0.600 ± 0.001 χ^2/NDF : 1444468.5/5

Left Out: 0.400 ± 0.000 χ^2/NDF : 6822365.2/9

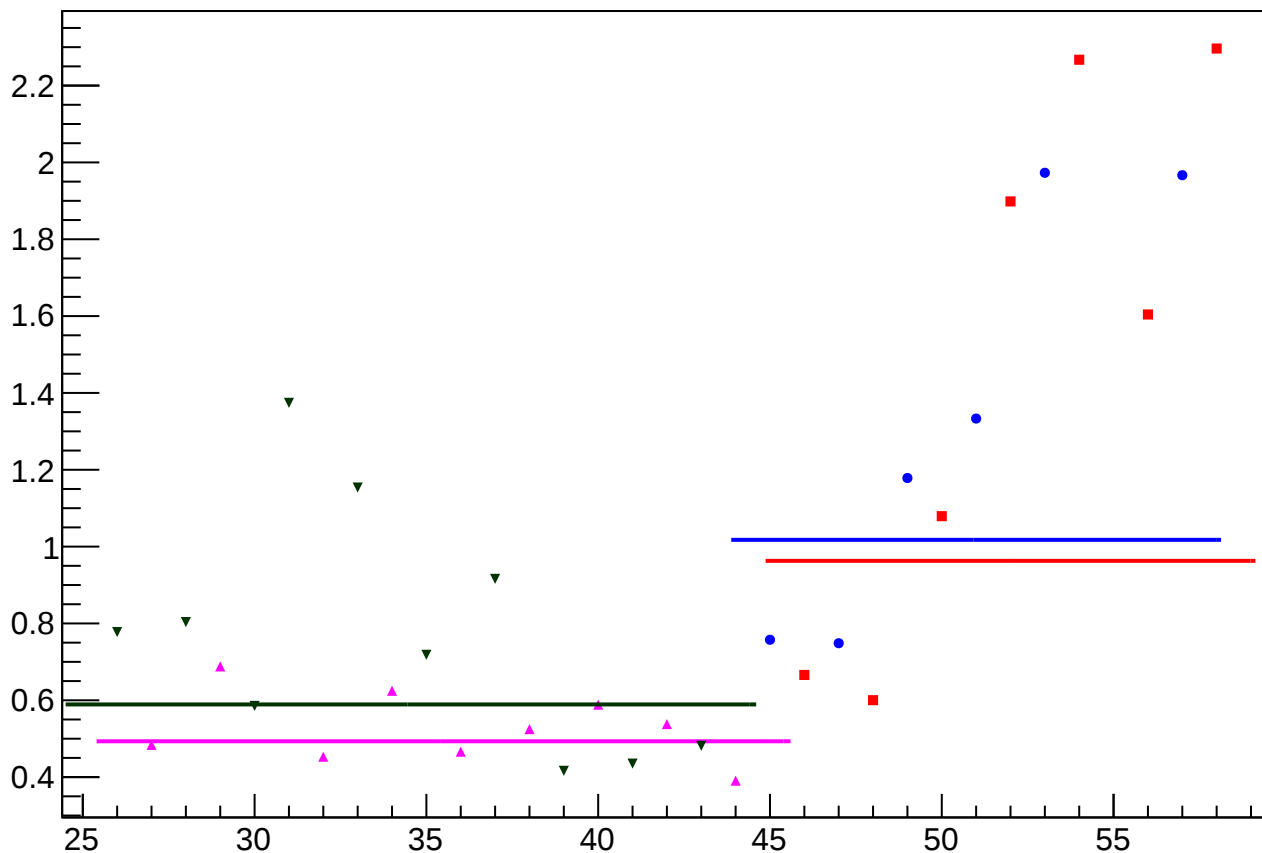
Right Out: 0.413 ± 0.001 χ^2/NDF : 406952.6/6

Left In: 0.120 ± 0.000 χ^2/NDF : 20095384.6/8

0.232 ± 0.000 χ^2/NDF : 9903013.8/15

0.160 ± 0.000 χ^2/NDF : 20689213.5/15

yield_cav4bY_rms vs slug



Right In: 1.018+/-0.001 χ^2/NDF : 666479.1/5

Left Out: 0.589+/-0.000 χ^2/NDF : 892098.1/9

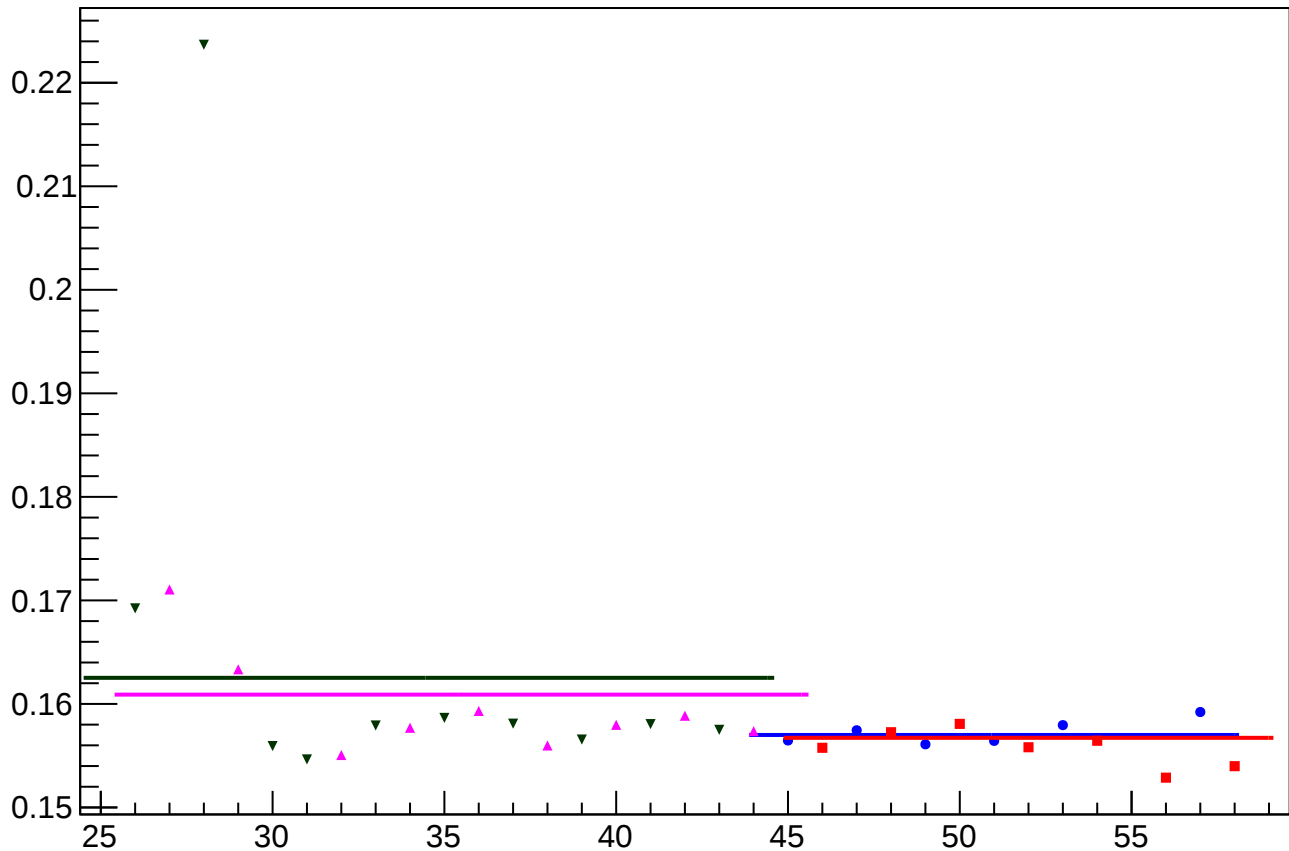
Right Out: 0.963+/-0.000 χ^2/NDF : 1480660.8/6

Left In: 0.493+/-0.000 χ^2/NDF : 215120.3/8

0.661+/-0.000 χ^2/NDF : 2158631.7/15

0.558+/-0.000 χ^2/NDF : 2653459.9/15

yield_cav4cX_mean vs slug



Right In: 0.157+/-0.000 χ^2/NDF : 139763.3/5

Left Out: 0.163+/-0.000 χ^2/NDF : 101831934.2/9

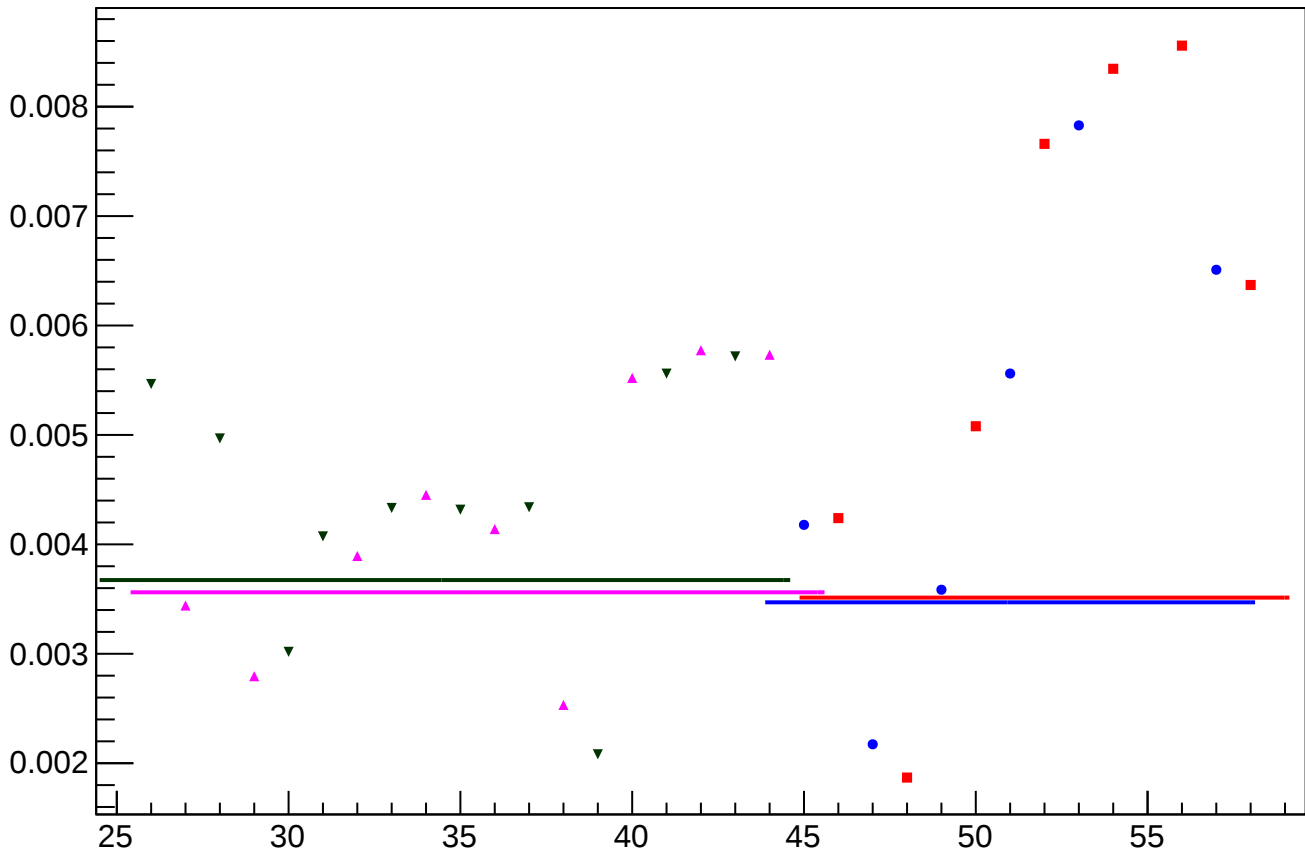
0.160+/-0.000 χ^2/NDF : 105671299.2/15

Right Out: 0.157+/-0.000 χ^2/NDF : 282660.5/6

0.160+/-0.000 χ^2/NDF : 14170697.5/15

Left In: 0.161+/-0.000 χ^2/NDF : 11666609.8/8

yield_cav4cX_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 843956.6/5

Left Out: 0.004+/-0.000 χ^2/NDF :1041439.4/9

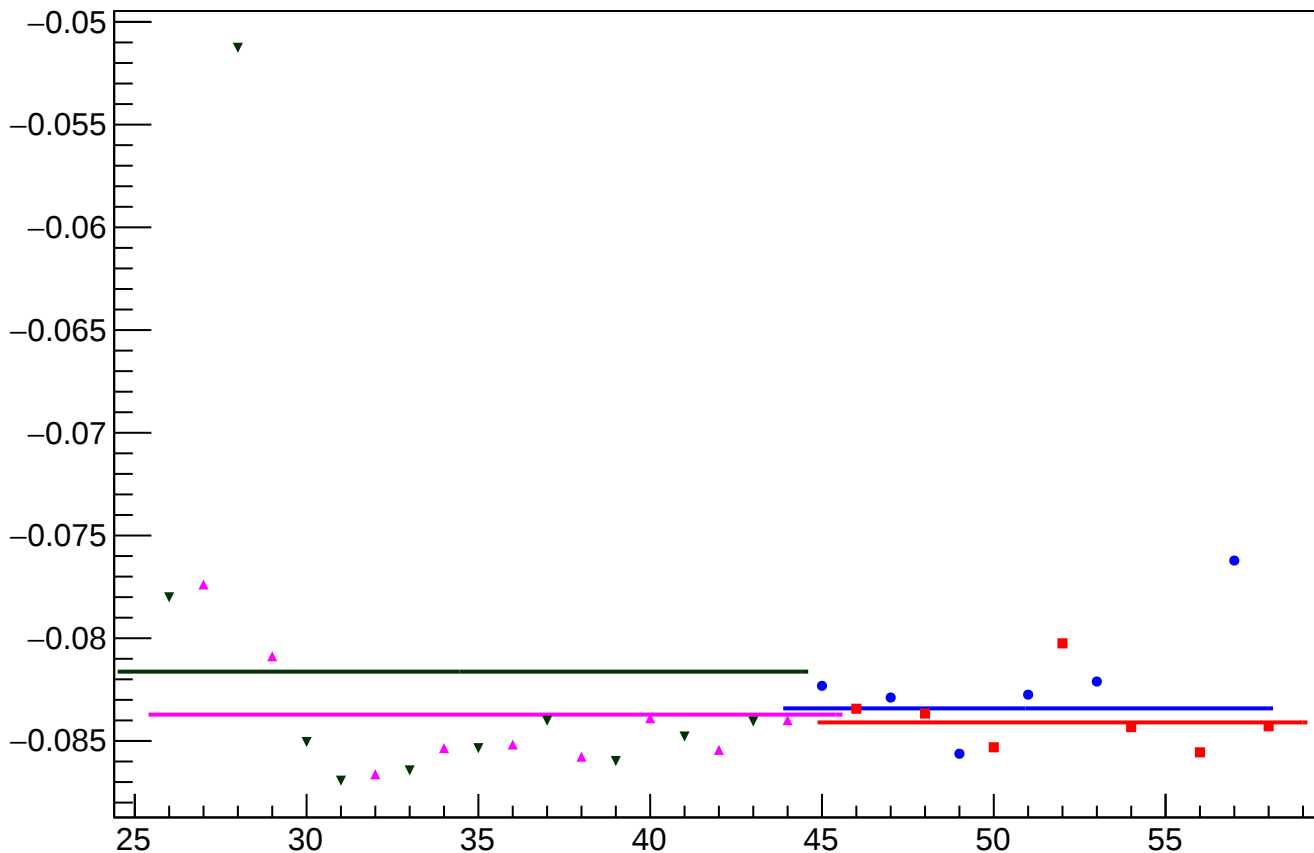
0.004+/-0.000 χ^2/NDF : 1895453.8/15

Right Out: 0.004+/-0.000 χ^2/NDF : 1918363.0/6

0.004+/-0.000 χ^2/NDF : 2669599.4/15

Left In: 0.004+/-0.000 χ^2/NDF :750635.1/8

yield_cav4cY_mean vs slug



Right In: -0.083+/-0.000 χ^2/NDF : 605926.9/5

Left Out: -0.082+/-0.000 χ^2/NDF : 35910160.7/9

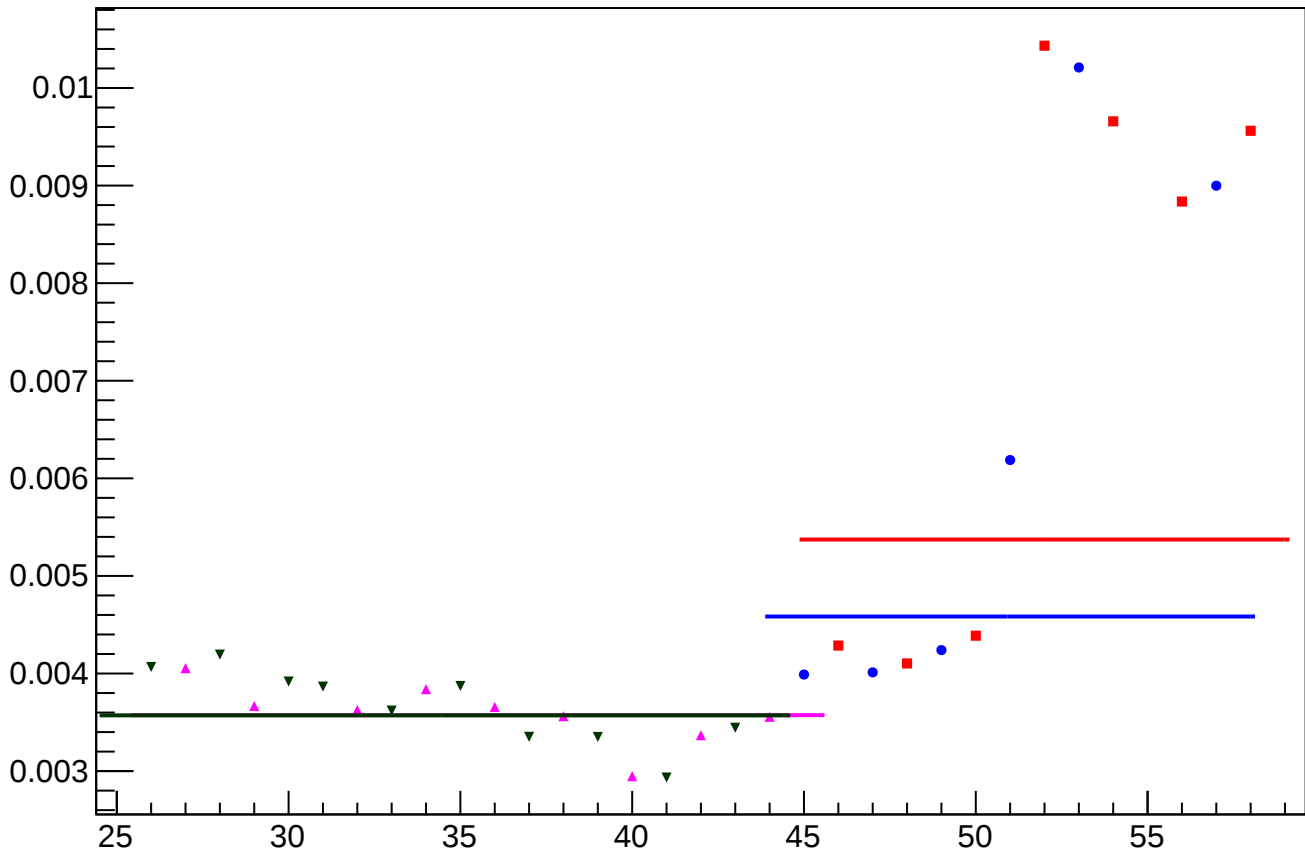
Right Out: -0.084+/-0.000 χ^2/NDF : 131991.8/6

Left In: -0.084+/-0.000 χ^2/NDF : 3520419.1/8

-0.082+/-0.000 χ^2/NDF : 36813514.1/15

-0.084+/-0.000 χ^2/NDF : 3663545.2/15

yield_cav4cY_rms vs slug



Right In: 0.005+/-0.000 χ^2/NDF : 576132.1/5

Left Out: 0.004+/-0.000 χ^2/NDF :122018.5/9

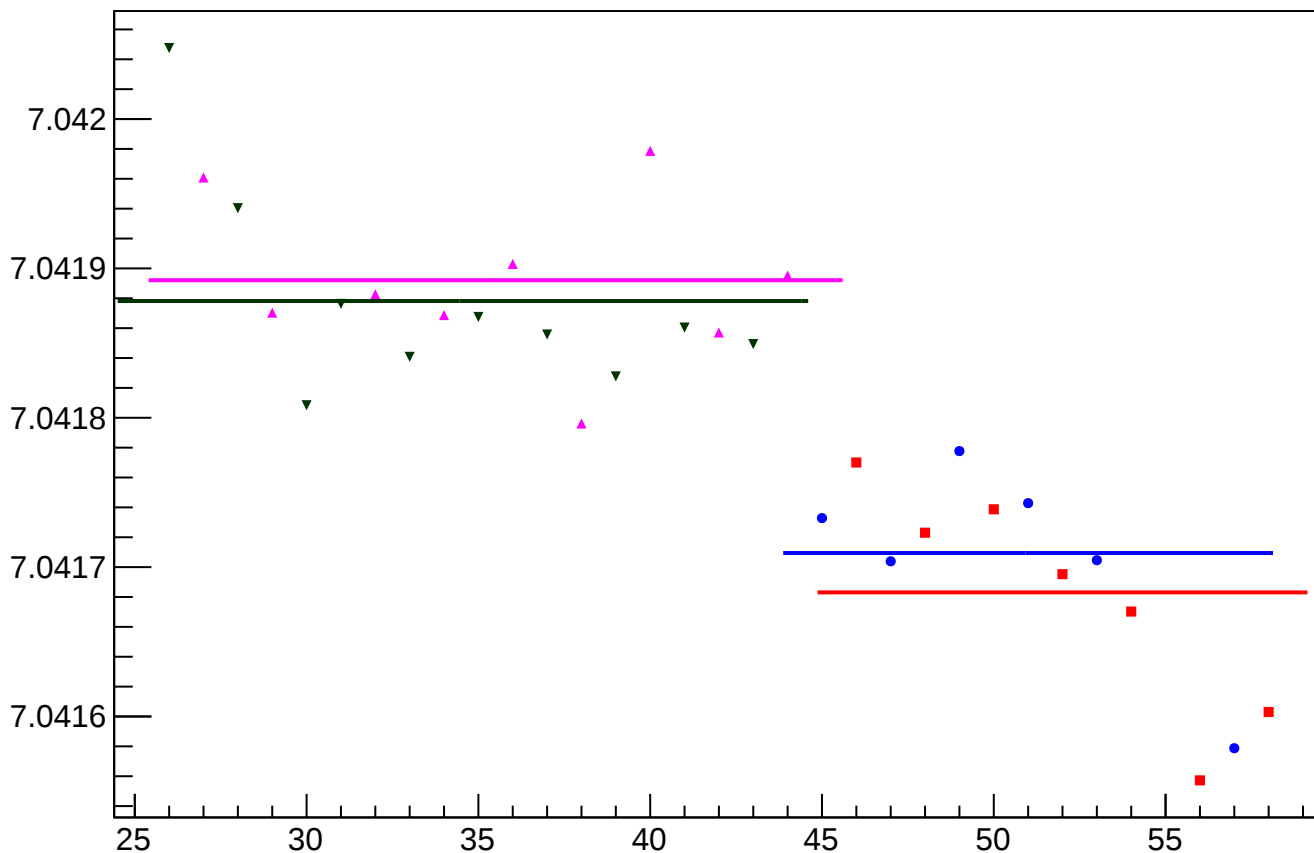
Right Out: 0.005+/-0.000 χ^2/NDF : 896417.1/6

Left In: 0.004+/-0.000 χ^2/NDF :77539.3/8

0.004+/-0.000 χ^2/NDF : 888742.4/15

0.004+/-0.000 χ^2/NDF : 1472394.6/15

yield_cav4dX_mean vs slug



Right In: 7.042+/-0.000 χ^2/NDF : 505148.0/5

Left Out: 7.042+/-0.000 χ^2/NDF : 814684.7/9

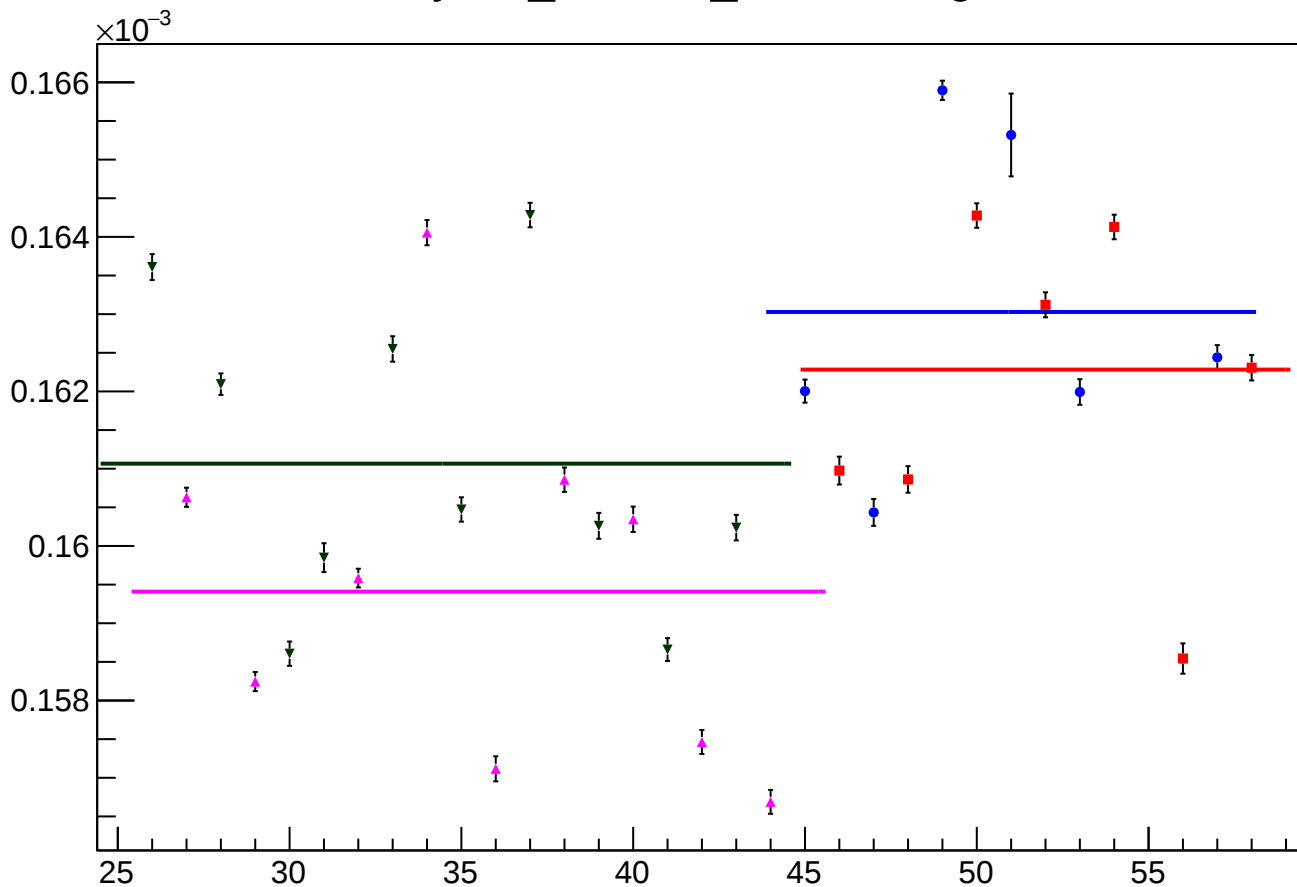
Right Out: 7.042+/-0.000 χ^2/NDF : 534587.1/6

Left In: 7.042+/-0.000 χ^2/NDF : 534073.6/8

7.042+/-0.000 χ^2/NDF : 3334714.1/15

7.042+/-0.000 χ^2/NDF : 4490672.2/15

yield_cav4dX_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 870.1/5

Left Out: 0.000+/-0.000 χ^2/NDF :1391.6/9

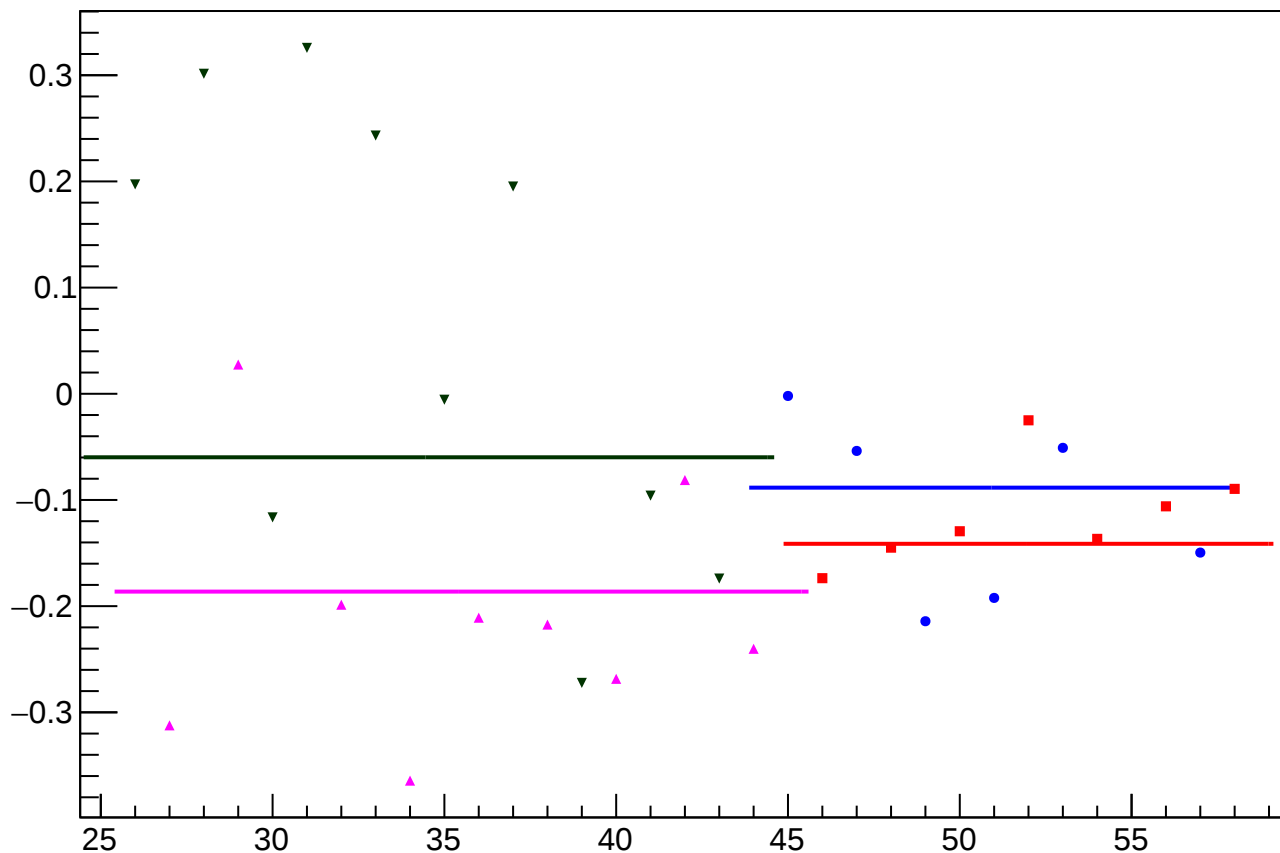
Right Out: 0.000+/-0.000 χ^2/NDF : 804.3/6

Left In: 0.000+/-0.000 χ^2/NDF :1775.1/8

0.000+/-0.000 χ^2/NDF : 2807.1/15

0.000+/-0.000 χ^2/NDF : 3872.6/15

yield_cav4dY_mean vs slug



Right In: -0.088 ± 0.000 χ^2/NDF : 855269.5/5

Left Out: -0.060 ± 0.000 χ^2/NDF : 19501975.2/9

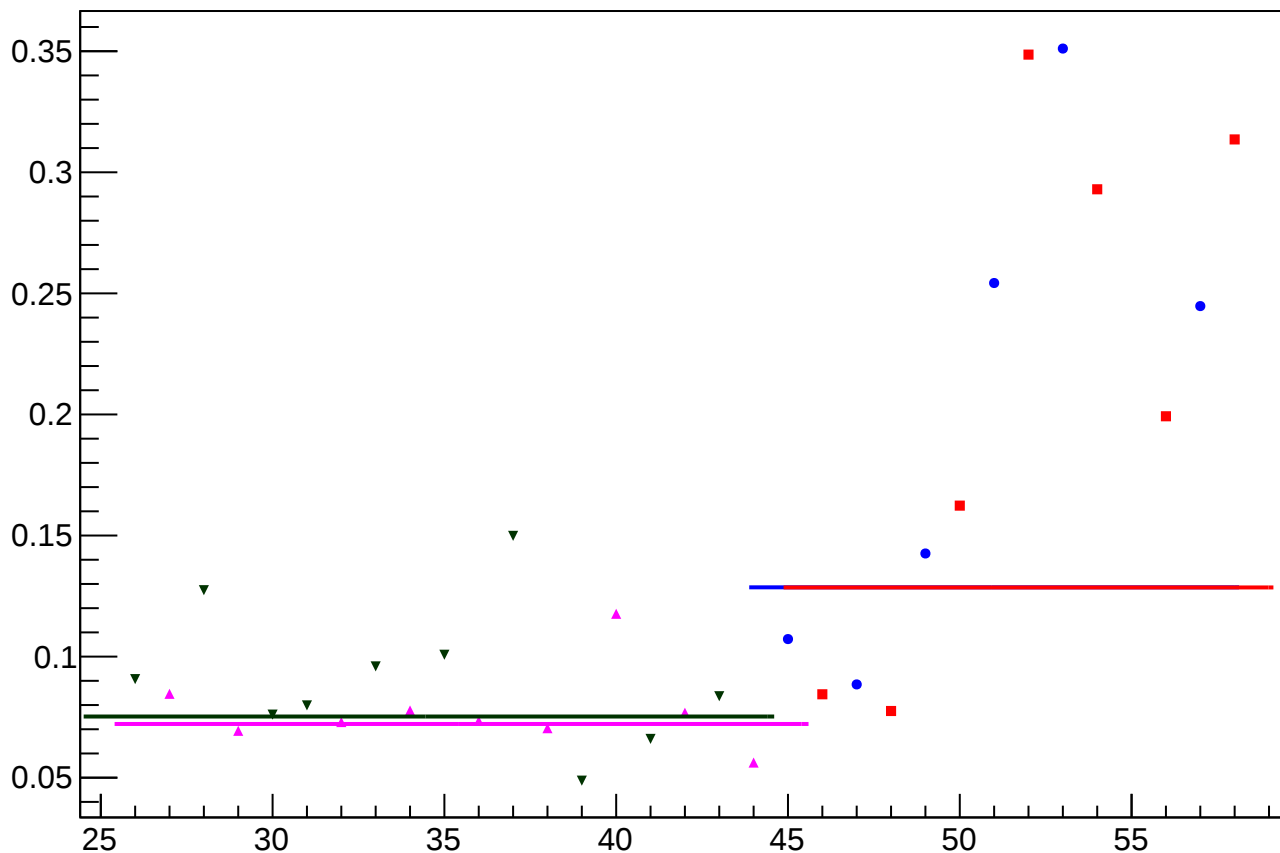
Right Out: -0.141 ± 0.000 χ^2/NDF : 118244.1/6

Left In: -0.186 ± 0.000 χ^2/NDF : 8361135.8/8

-0.065 ± 0.000 χ^2/NDF : 20435176.3/15

-0.179 ± 0.000 χ^2/NDF : 8685903.5/15

yield_cav4dY_rms vs slug



Right In: 0.129+/-0.000 χ^2/NDF : 780796.4/5

Left Out: 0.075+/-0.000 χ^2/NDF :580705.7/9

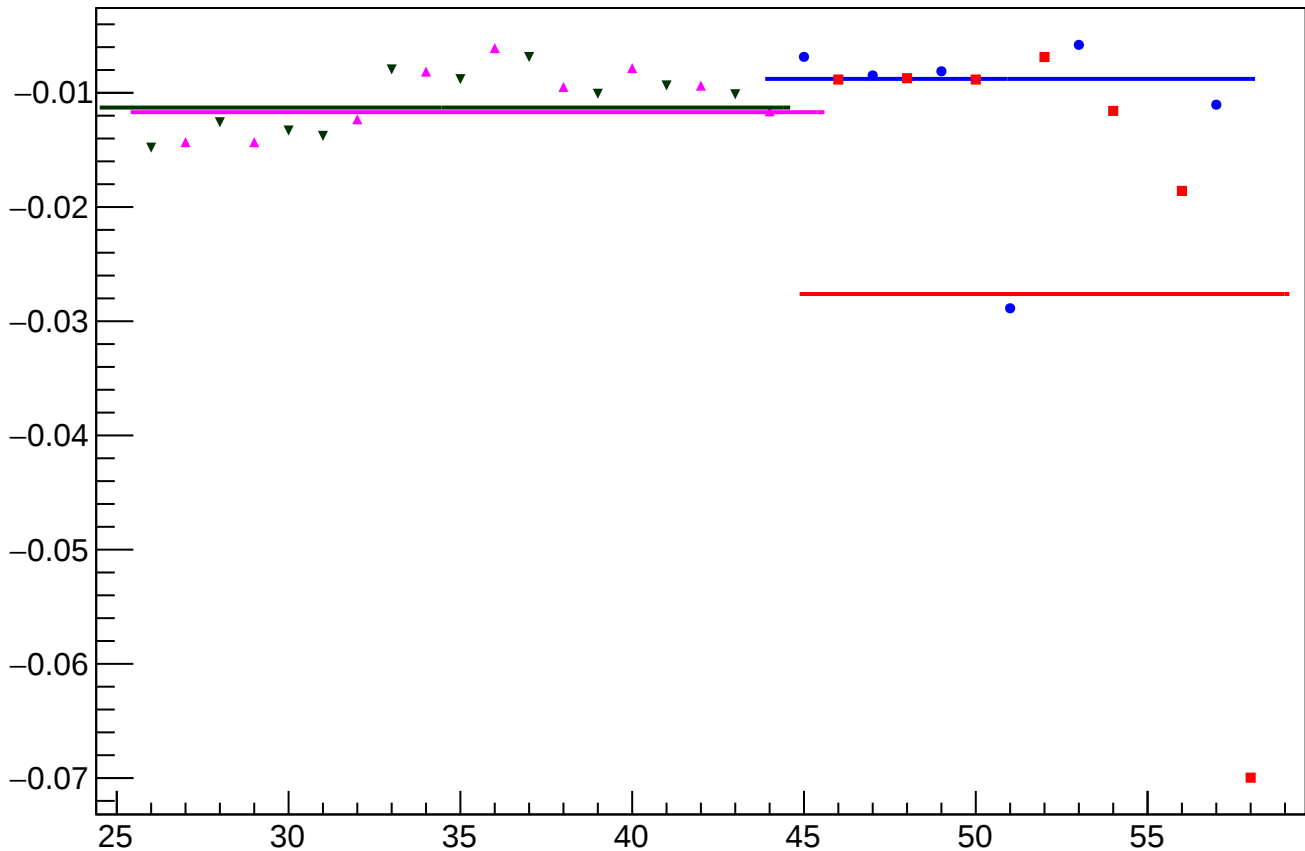
Right Out: 0.129+/-0.000 χ^2/NDF : 1576714.4/6

Left In: 0.072+/-0.000 χ^2/NDF :194281.2/8

0.086+/-0.000 χ^2/NDF : 1903988.2/15

0.081+/-0.000 χ^2/NDF : 2418912.6/15

yield_bpm4aX_mean vs slug



Right In: -0.009+/-0.000 χ^2/NDF : 243417.8/5

Left Out: -0.011+/-0.000 χ^2/NDF : 378643.1/9

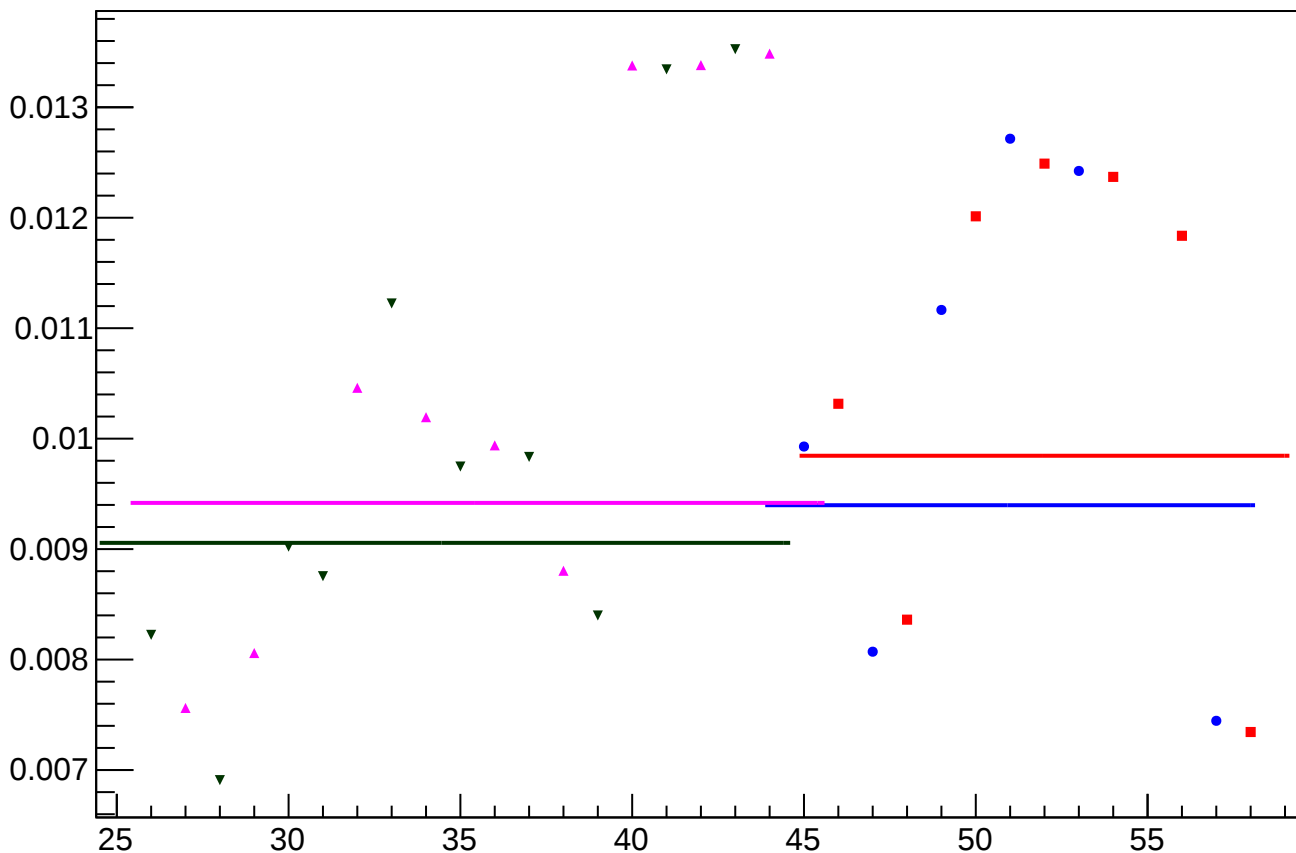
-0.010+/-0.000 χ^2/NDF : 754977.0/15

Right Out: -0.028+/-0.000 χ^2/NDF : 24794861.3/6

-0.017+/-0.000 χ^2/NDF : 30694080.2/15

Left In: -0.012+/-0.000 χ^2/NDF : 493253.3/8

yield_bpm4aX_rms vs slug



Right In: 0.009+/-0.000 χ^2/NDF : 209065.5/5

Left Out: 0.009+/-0.000 χ^2/NDF : 416147.1/9

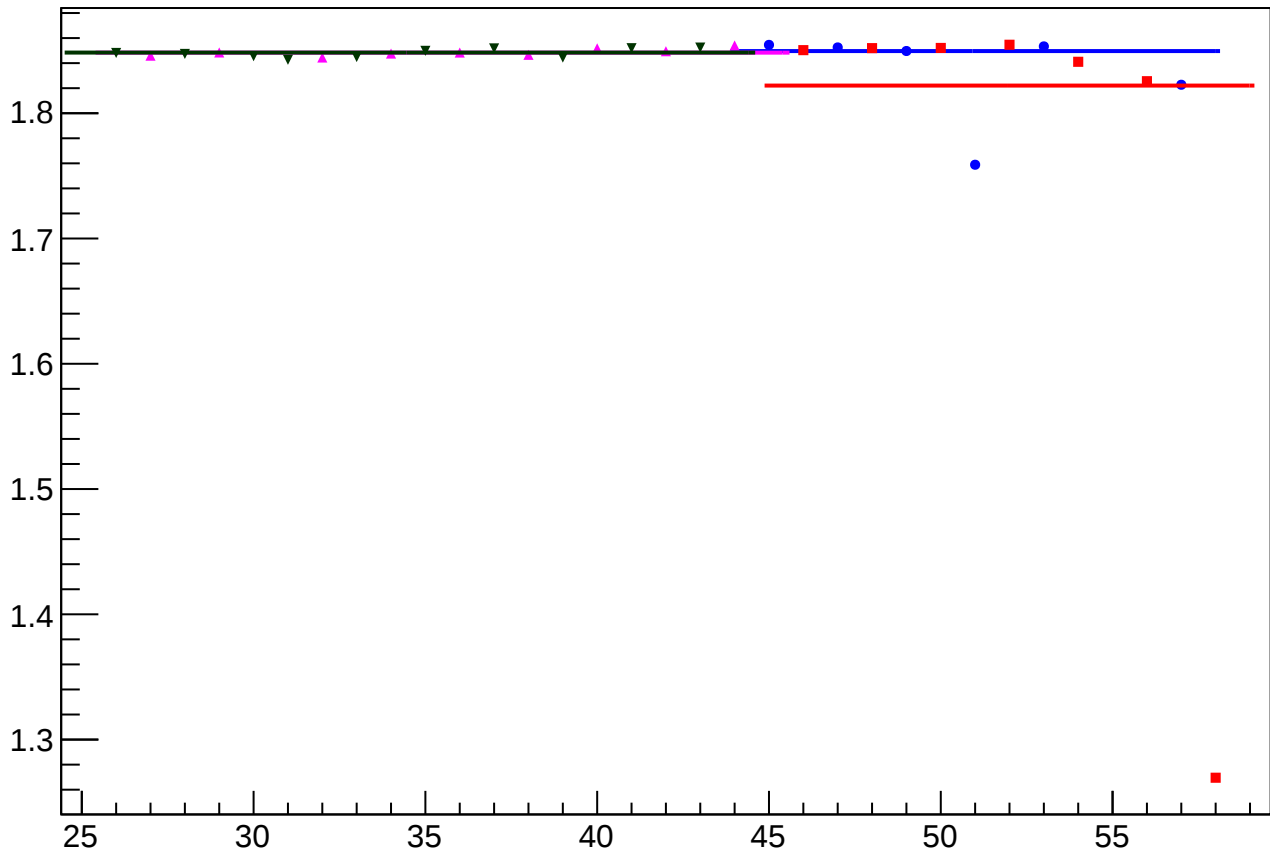
Right Out: 0.010+/-0.000 χ^2/NDF : 300151.8/6

Left In: 0.009+/-0.000 χ^2/NDF : 448115.9/8

0.009+/-0.000 χ^2/NDF : 630110.9/15

0.010+/-0.000 χ^2/NDF : 756037.5/15

yield_bpm4aY_mean vs slug



Right In: 1.850 $\pm$ 0.000 χ^2 /NDF: 1099414.8/5

Left Out: 1.848 $\pm$ 0.000 χ^2 /NDF: 272295.3/9

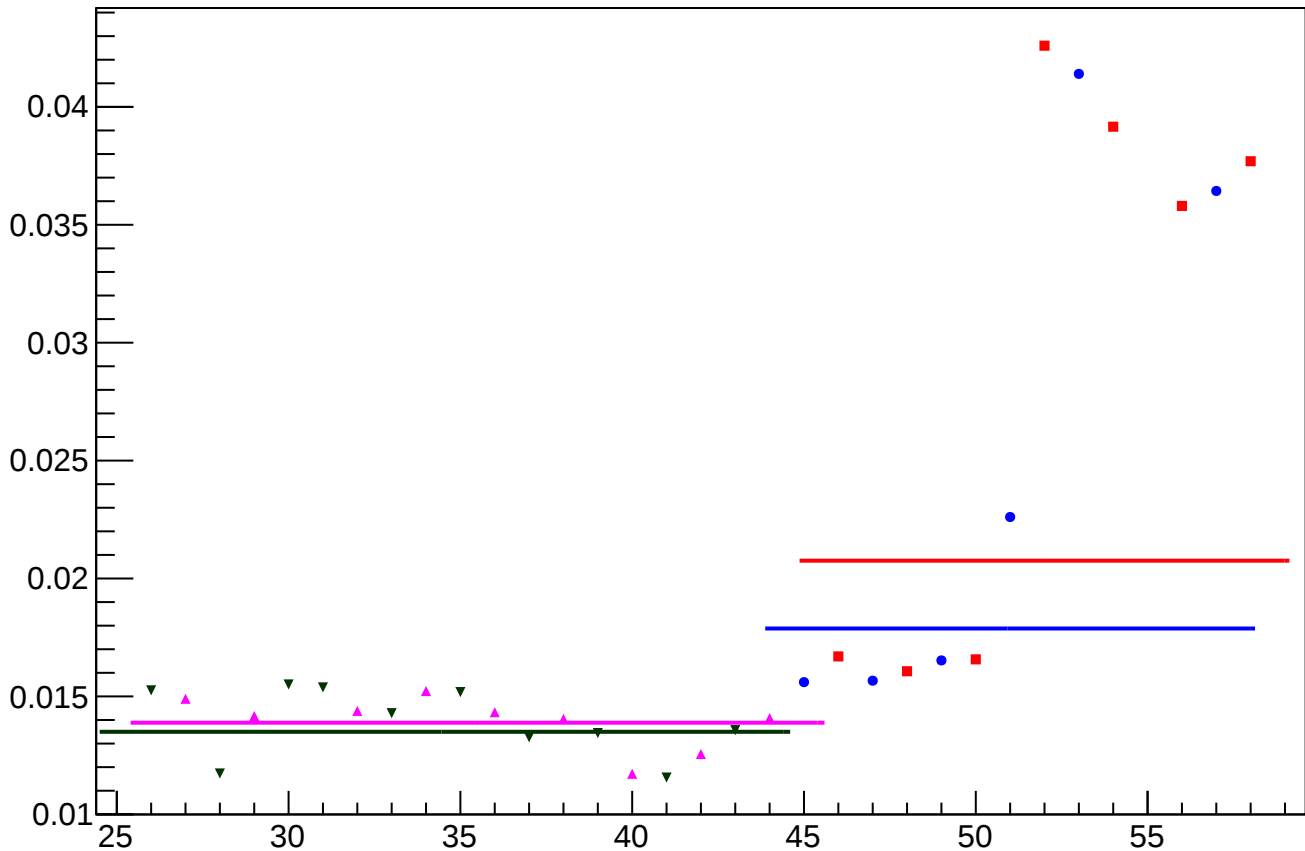
Right Out: 1.822 $\pm$ 0.000 χ^2 /NDF: 95334950.3/6

Left In: 1.848 $\pm$ 0.000 χ^2 /NDF: 226340.4/8

1.849 $\pm$ 0.000 χ^2 /NDF: 1380557.2/15

1.844 $\pm$ 0.000 χ^2 /NDF: 99087443.0/15

yield_bpm4aY_rms vs slug



Right In: 0.018+/-0.000 χ^2/NDF : 609249.7/5

Left Out: 0.013+/-0.000 χ^2/NDF :115025.1/9

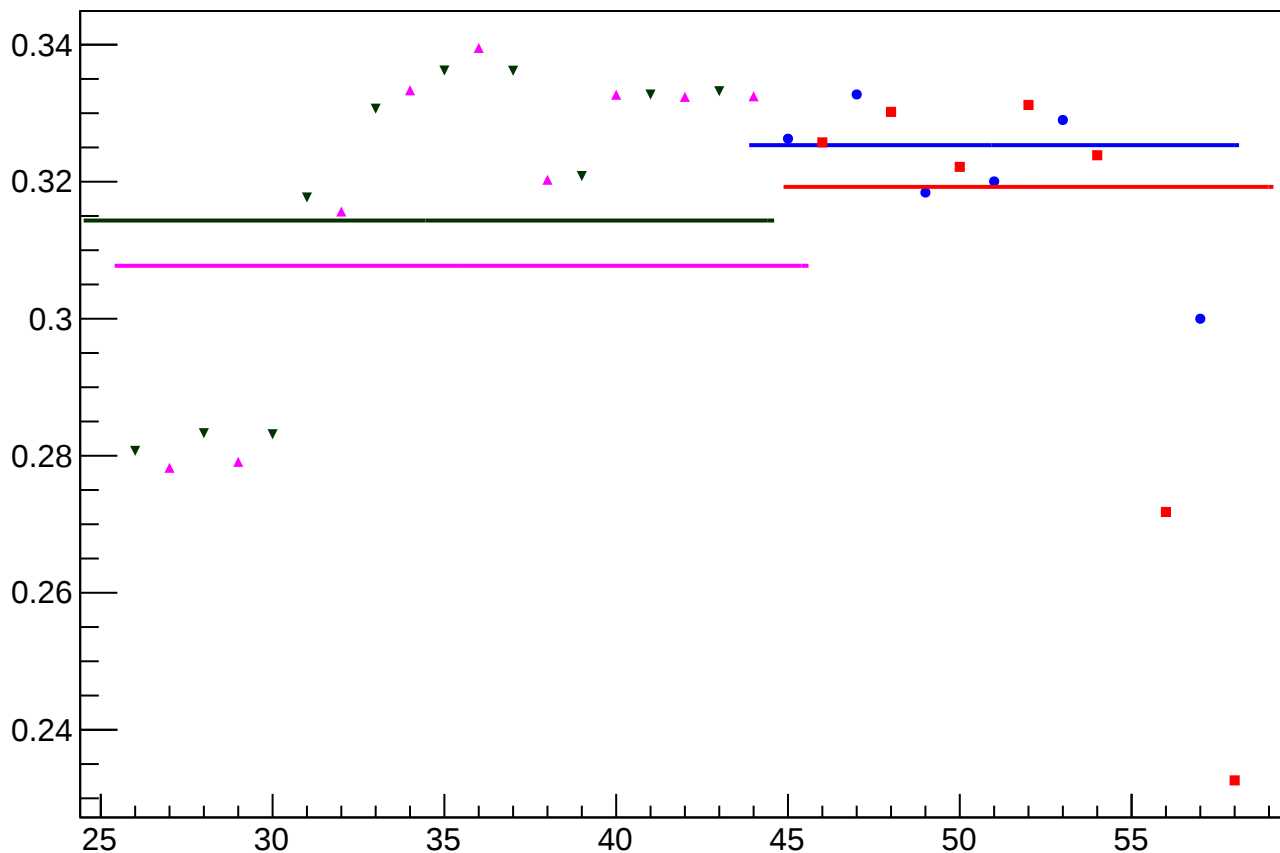
0.015+/-0.000 χ^2/NDF : 961228.9/15

Right Out: 0.021+/-0.000 χ^2/NDF : 977796.0/6

0.015+/-0.000 χ^2/NDF : 1523569.7/15

Left In: 0.014+/-0.000 χ^2/NDF :63870.3/8

yield_bpm4eX_mean vs slug



Right In: 0.325+/-0.000 χ^2/NDF : 352670.0/5

Left Out: 0.314+/-0.000 χ^2/NDF : 5131381.6/9

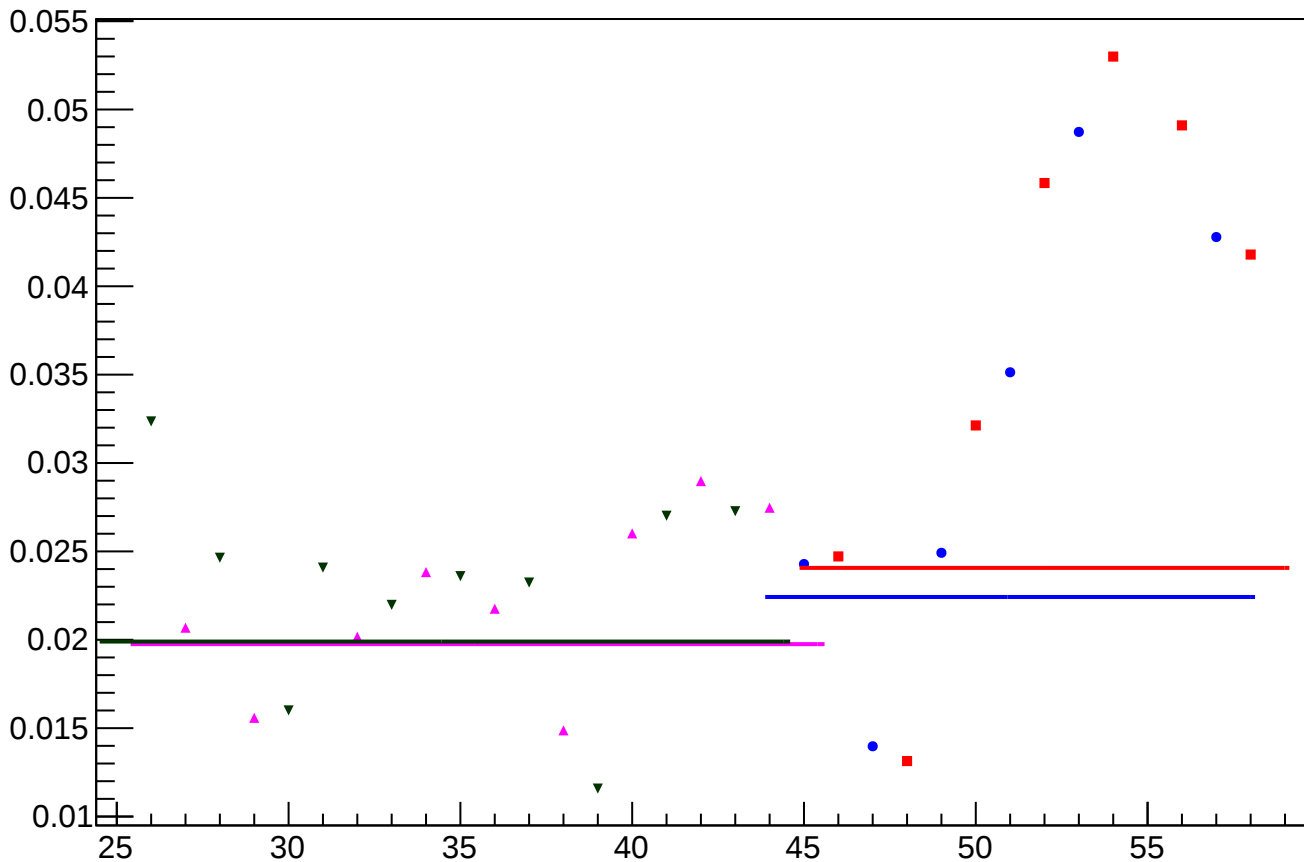
Right Out: 0.319+/-0.000 χ^2/NDF : 2942555.3/6

Left In: 0.308+/-0.000 χ^2/NDF : 7379435.7/8

0.318+/-0.000 χ^2/NDF : 5888718.5/15

0.311+/-0.000 χ^2/NDF : 10748715.8/15

yield_bpm4eX_rms vs slug



Right In: 0.022+/-0.000 χ^2/NDF : 828800.4/5

Left Out: 0.020+/-0.000 χ^2/NDF : 884674.2/9

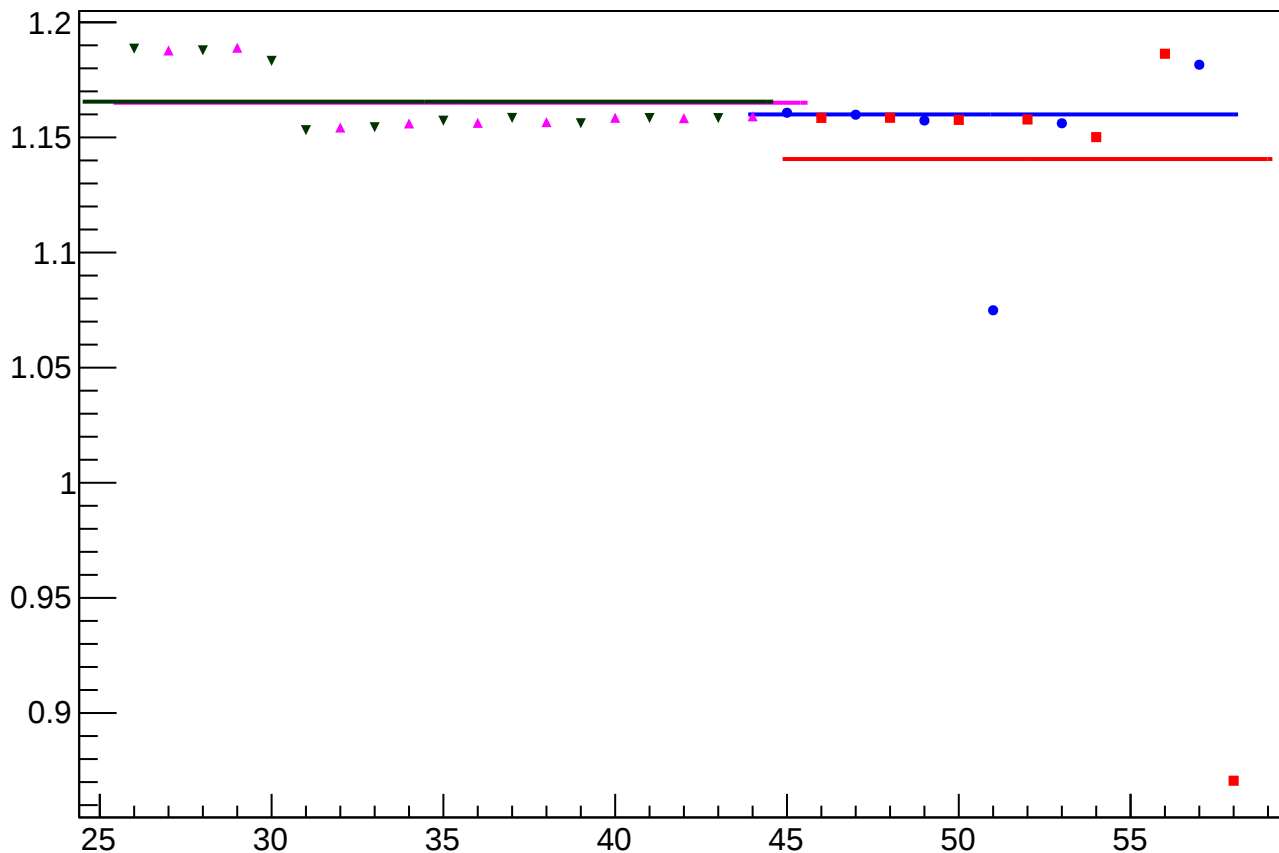
Right Out: 0.024+/-0.000 χ^2/NDF : 1580152.9/6

Left In: 0.020+/-0.000 χ^2/NDF : 480943.5/8

0.021+/-0.000 χ^2/NDF : 1756000.1/15

0.021+/-0.000 χ^2/NDF : 2180799.7/15

yield_bpm4eY_mean vs slug



Right In: 1.160 ± 0.000 χ^2/NDF : 1734884.0/5

Left Out: 1.166 ± 0.000 χ^2/NDF : 12029920.3/9

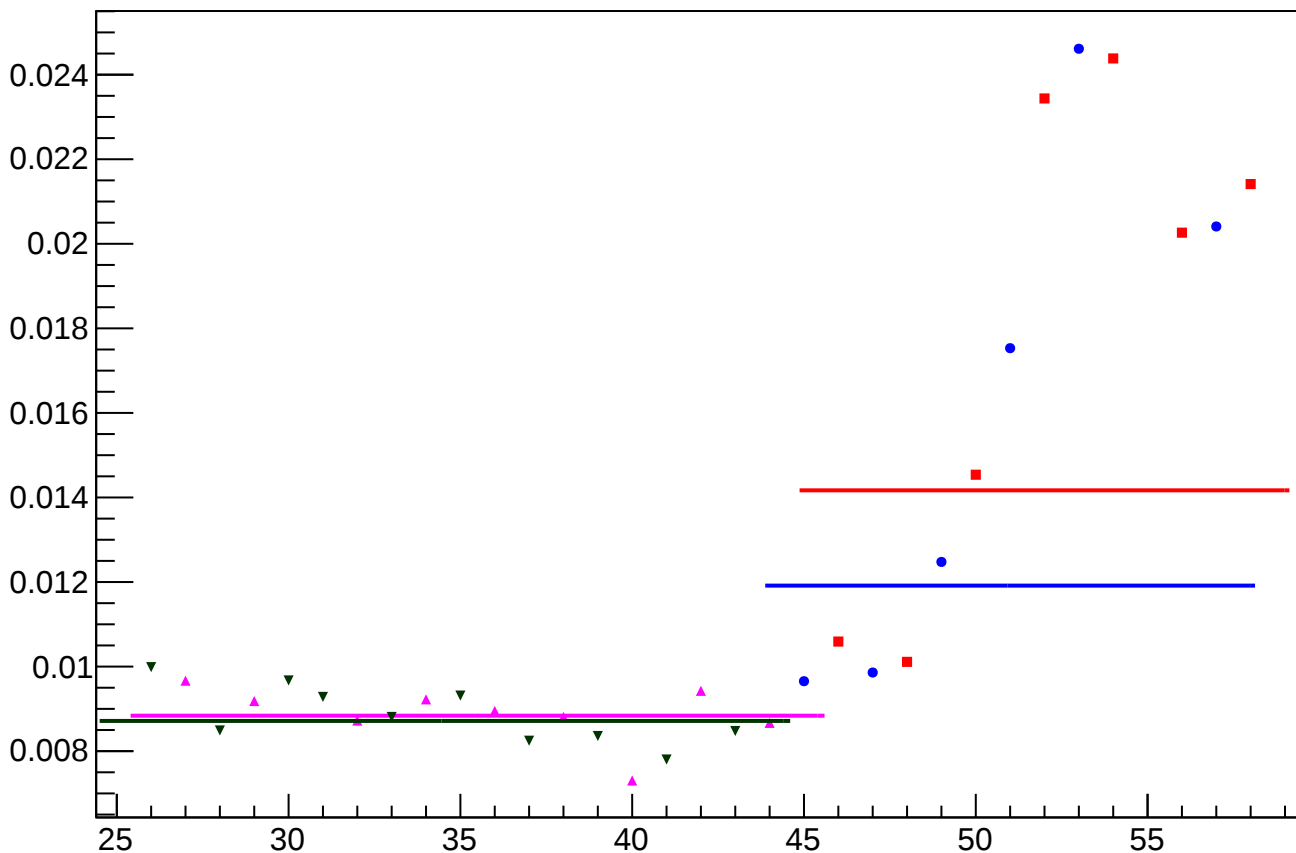
Right Out: 1.141 ± 0.000 χ^2/NDF : 71964651.8/6

Left In: 1.165 ± 0.000 χ^2/NDF : 13350723.3/8

1.164 ± 0.000 χ^2/NDF : 14196460.1/15

1.161 ± 0.000 χ^2/NDF : 92108462.1/15

yield_bpm4eY_rms vs slug



Right In: 0.012 $\pm$ 0.000 χ^2 /NDF: 527610.7/5

Left Out: 0.009 $\pm$ 0.000 χ^2 /NDF: 53979.4/9

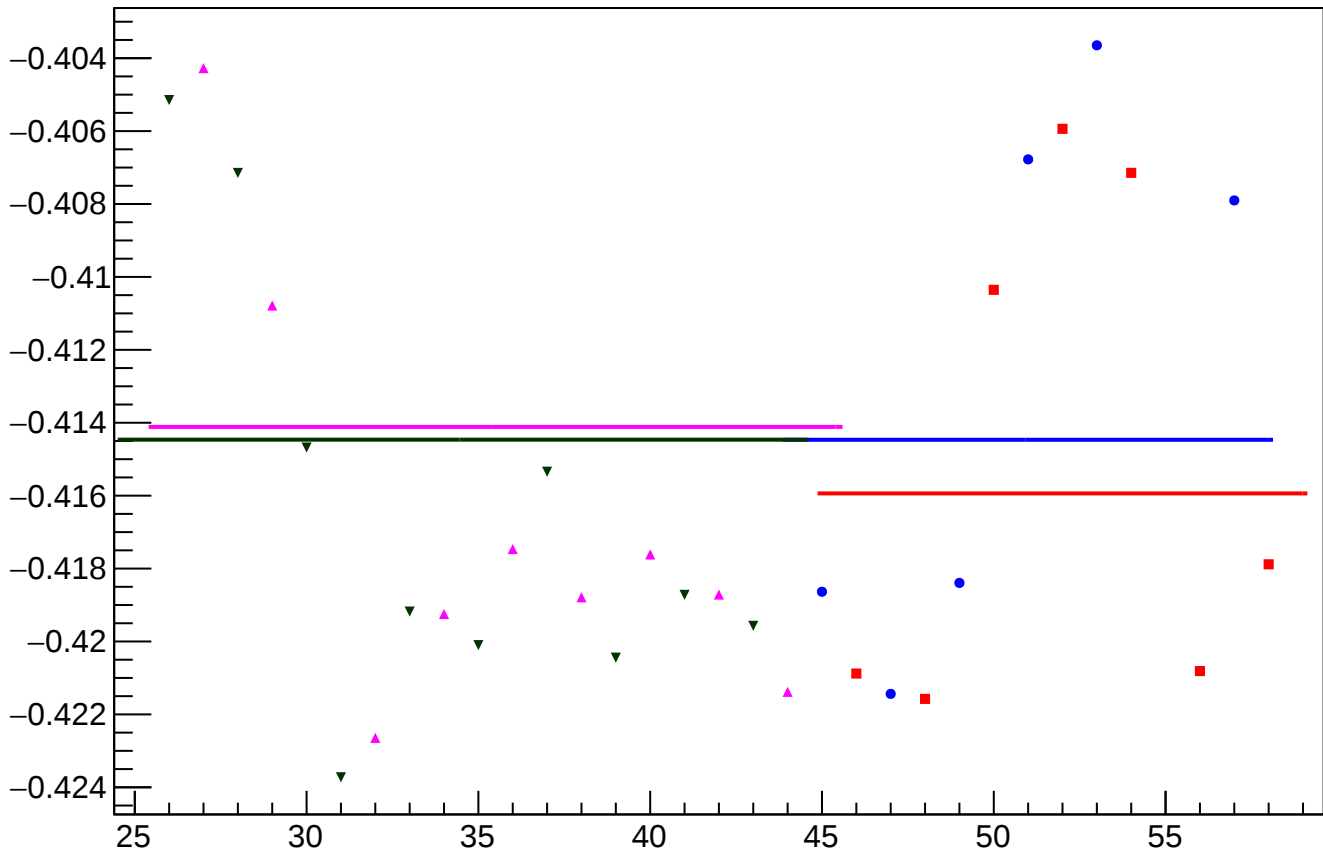
Right Out: 0.014 $\pm$ 0.000 χ^2 /NDF: 718306.1/6

Left In: 0.009 $\pm$ 0.000 χ^2 /NDF: 62872.2/8

0.009 $\pm$ 0.000 χ^2 /NDF: 868749.5/15

0.010 $\pm$ 0.000 χ^2 /NDF: 1427057.6/15

yield_bpm4acX_mean vs slug



Right In: -0.414+/-0.000 χ^2/NDF : 1301261.1/5

Left Out: -0.414+/-0.000 χ^2/NDF : 2317186.9/9

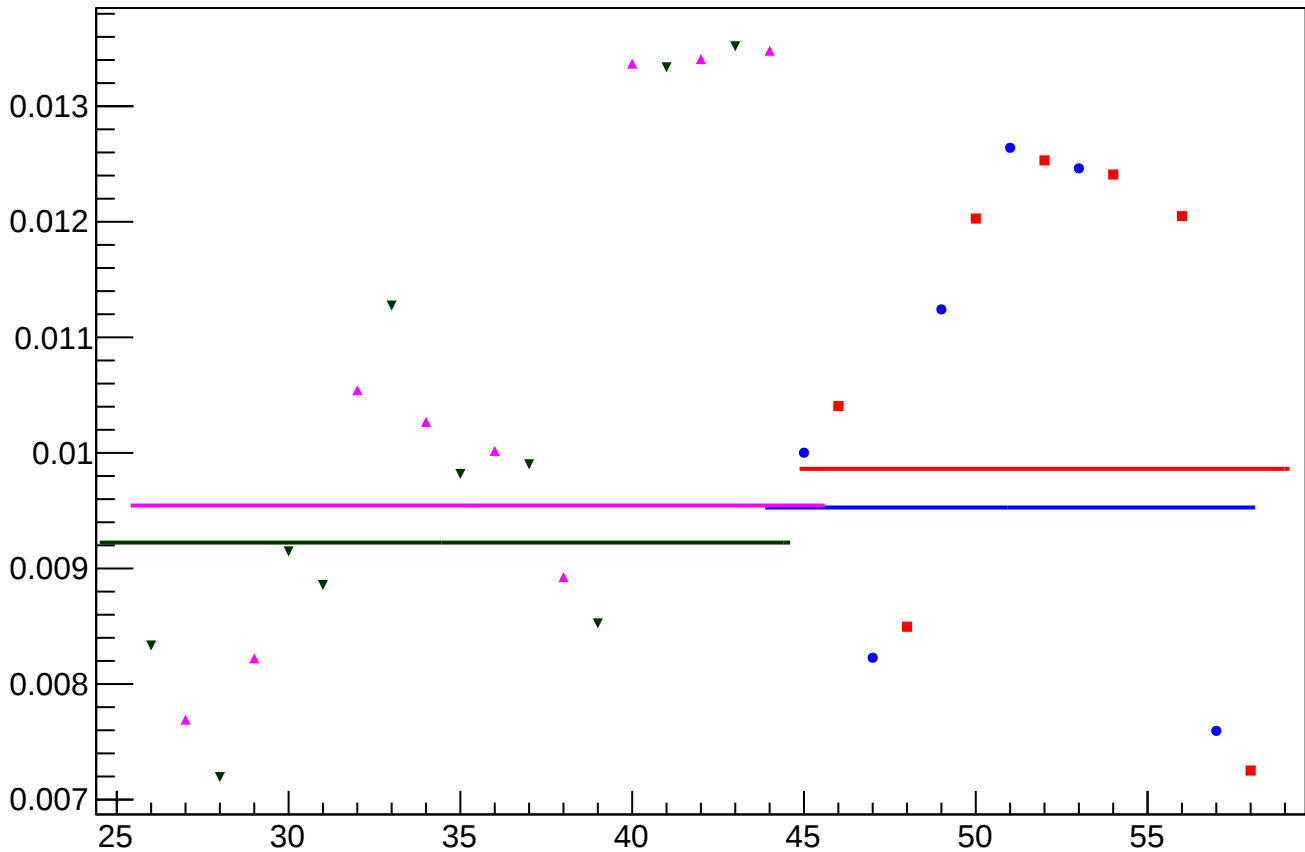
Right Out: -0.416+/-0.000 χ^2/NDF : 1107682.5/6

Left In: -0.414+/-0.000 χ^2/NDF : 2652501.7/8

-0.414+/-0.000 χ^2/NDF : 3618448.2/15

-0.415+/-0.000 χ^2/NDF : 3830413.8/15

yield_bpm4acX_rms vs slug



Right In: 0.010+/-0.000 χ^2/NDF : 194767.8/5

Left Out: 0.009+/-0.000 χ^2/NDF : 372041.8/9

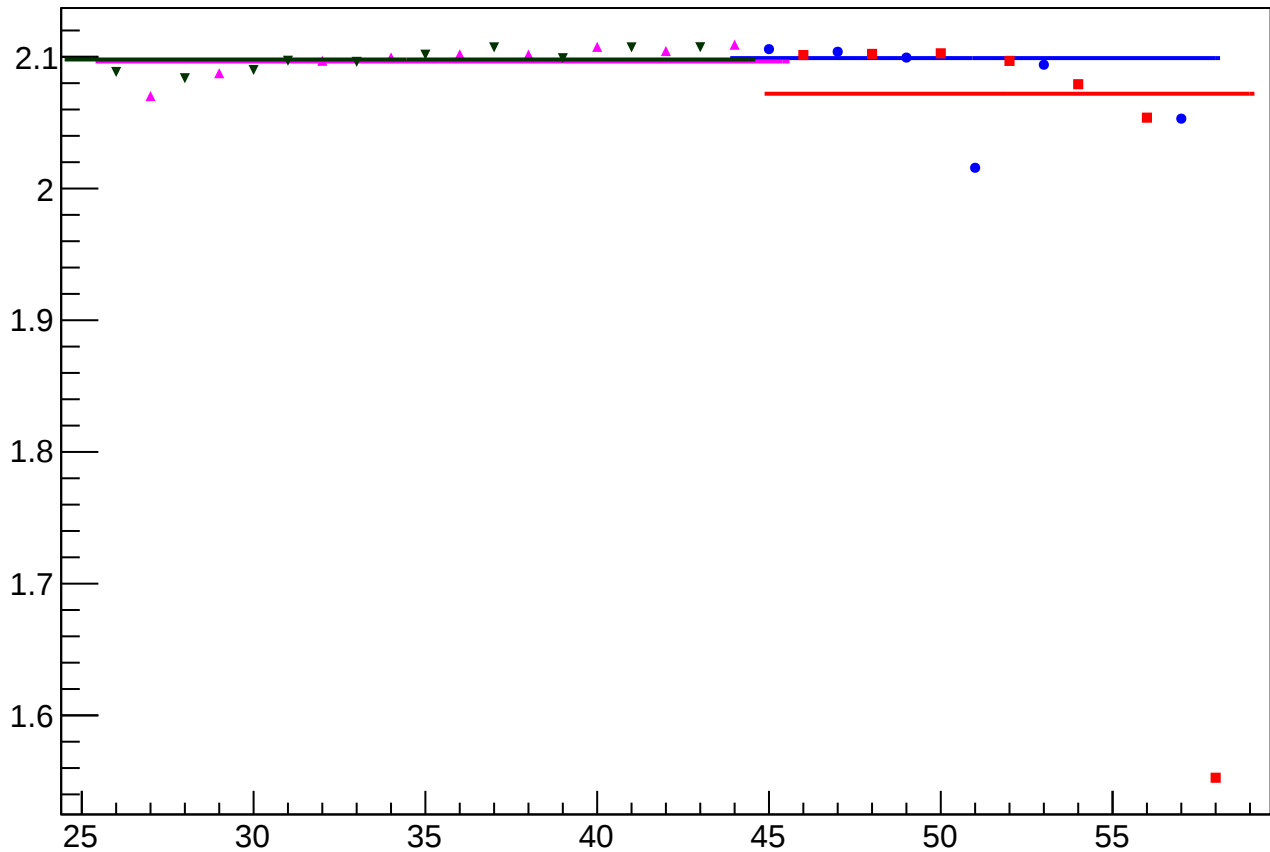
0.009+/-0.000 χ^2/NDF : 570593.6/15

Right Out: 0.010+/-0.000 χ^2/NDF : 314918.5/6

0.010+/-0.000 χ^2/NDF : 740161.1/15

Left In: 0.010+/-0.000 χ^2/NDF : 420991.7/8

yield_bpm4acY_mean vs slug



Right In: 2.099 ± 0.000 χ^2/NDF : 1556150.7/5

Left Out: 2.098 ± 0.000 χ^2/NDF : 1974278.7/9

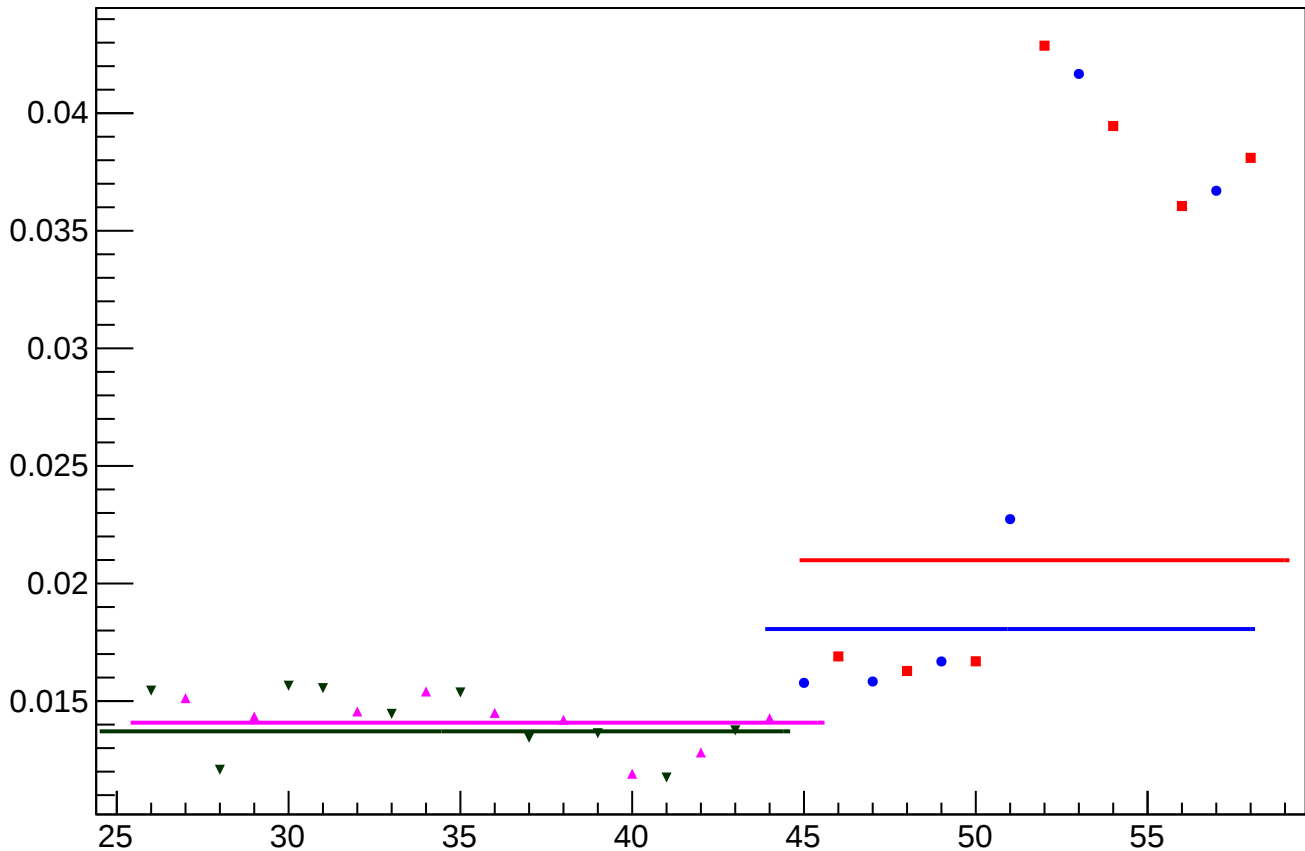
Right Out: 2.072 ± 0.000 χ^2/NDF : 83067099.1/6

Left In: 2.096 ± 0.000 χ^2/NDF : 3989569.5/8

2.098 ± 0.000 χ^2/NDF : 3537183.8/15

2.092 ± 0.000 χ^2/NDF : 90041545.7/15

yield_bpm4acY_rms vs slug



Right In: 0.018+/-0.000 χ^2/NDF : 605933.9/5

Left Out: 0.014+/-0.000 χ^2/NDF :105896.2/9

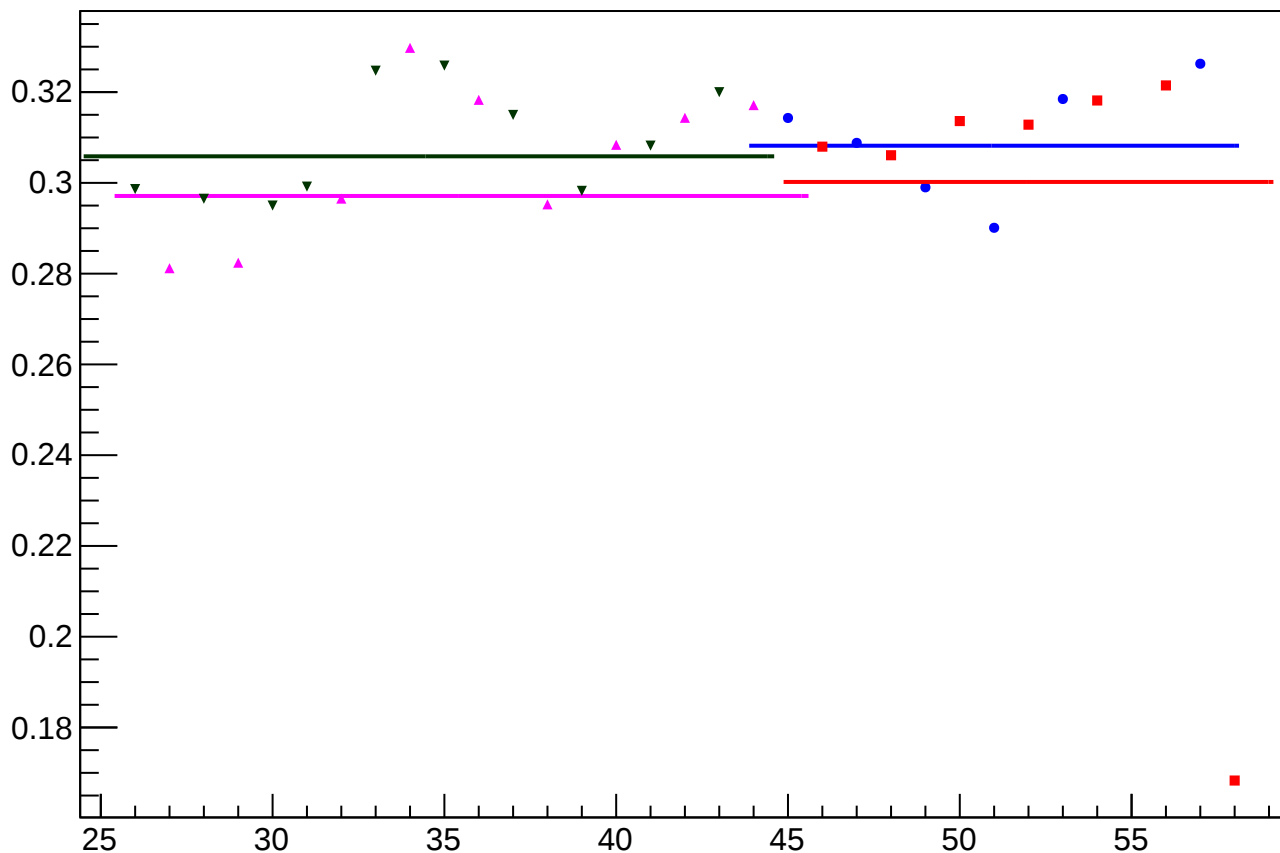
Right Out: 0.021+/-0.000 χ^2/NDF : 972229.9/6

Left In: 0.014+/-0.000 χ^2/NDF :60734.0/8

0.015+/-0.000 χ^2/NDF : 940411.9/15

0.015+/-0.000 χ^2/NDF : 1508468.0/15

yield_bpm4ecX_mean vs slug



Right In: 0.308+/-0.000 χ^2/NDF : 297844.3/5

Left Out: 0.306+/-0.000 χ^2/NDF :1444203.8/9

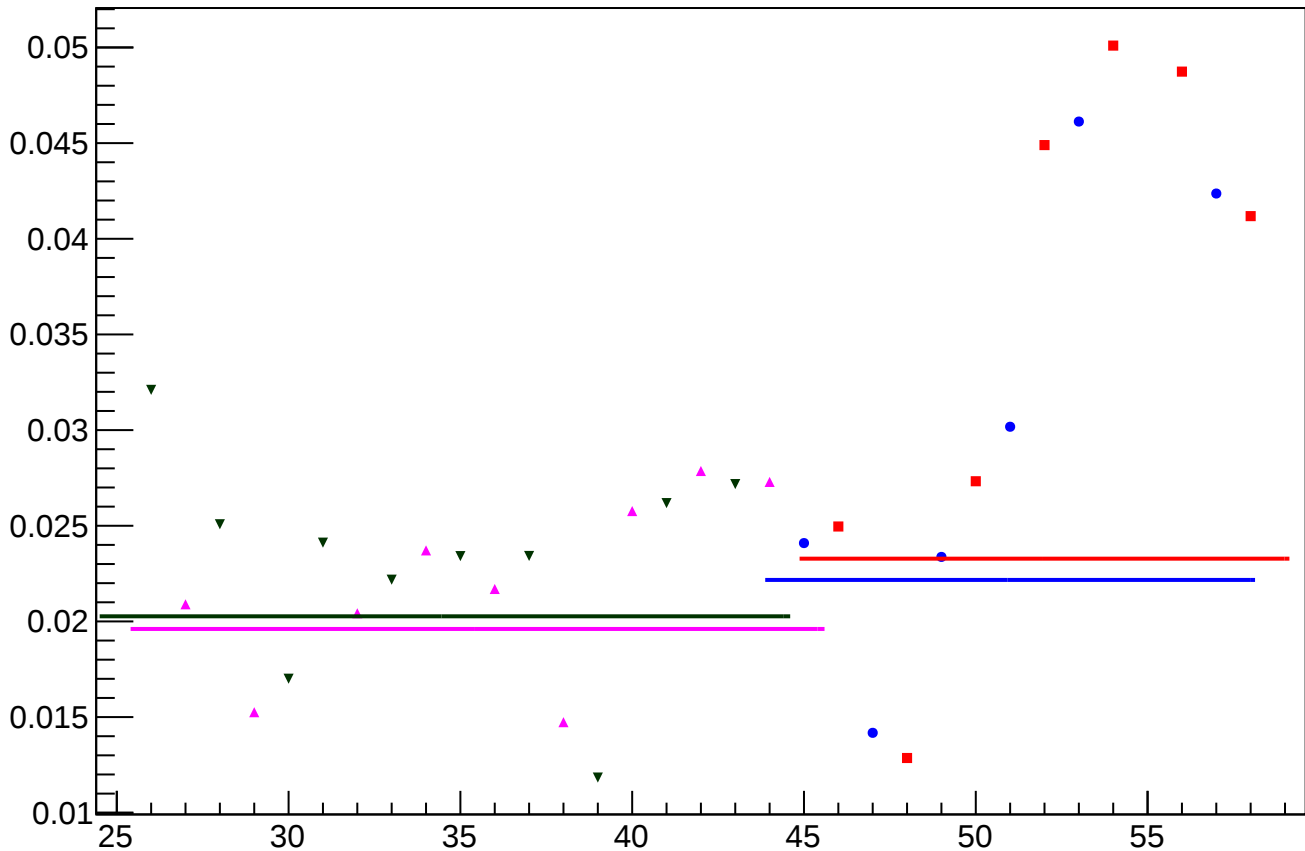
Right Out: 0.300+/-0.000 χ^2/NDF : 5591684.3/6

Left In: 0.297+/-0.000 χ^2/NDF :3115158.7/8

0.307+/-0.000 χ^2/NDF : 1760760.9/15

0.298+/-0.000 χ^2/NDF : 8739548.0/15

yield_bpm4ecX_rms vs slug



Right In: 0.022+/-0.000 χ^2/NDF : 757310.6/5

Left Out: 0.020+/-0.000 χ^2/NDF : 805825.9/9

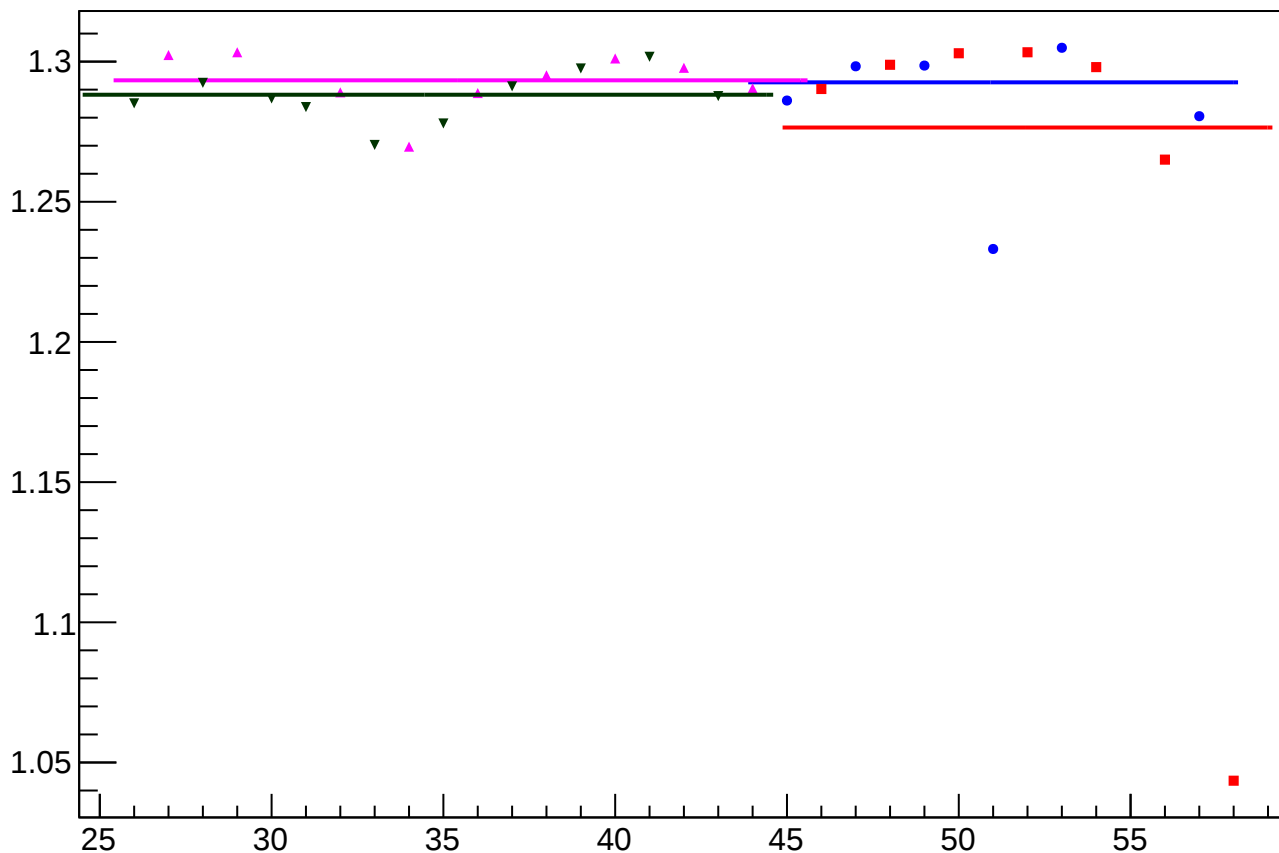
0.021+/-0.000 χ^2/NDF : 1587923.1/15

Right Out: 0.023+/-0.000 χ^2/NDF : 1533438.5/6

0.021+/-0.000 χ^2/NDF : 2118270.3/15

Left In: 0.020+/-0.000 χ^2/NDF : 492370.5/8

yield_bpm4ecY_mean vs slug



Right In: 1.293+/-0.000 χ^2/NDF : 1178636.7/5

Left Out: 1.288+/-0.000 χ^2/NDF : 3977019.1/9

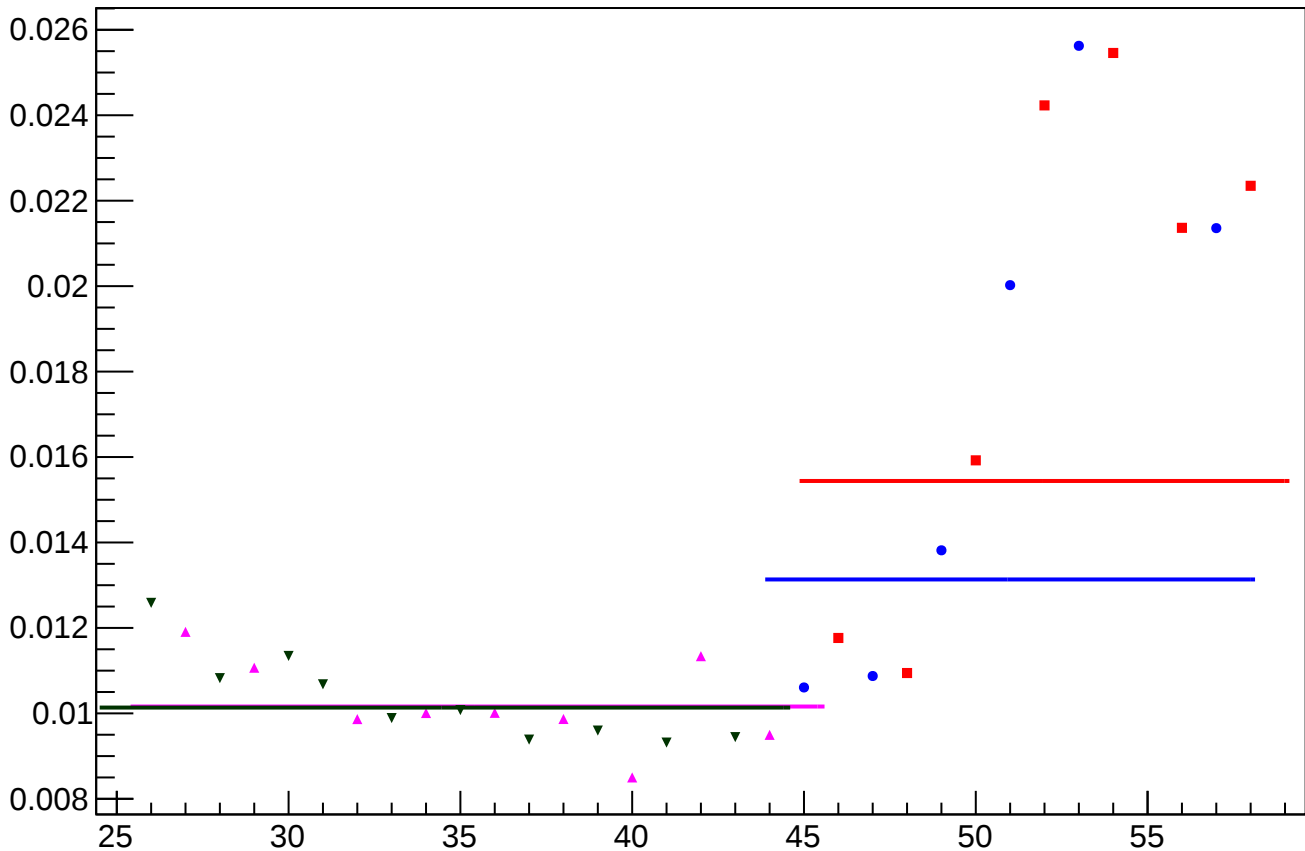
Right Out: 1.276+/-0.000 χ^2/NDF : 50486548.0/6

Left In: 1.293+/-0.000 χ^2/NDF : 4684548.1/8

1.289+/-0.000 χ^2/NDF : 5378019.5/15

1.290+/-0.000 χ^2/NDF : 57865144.7/15

yield_bpm4ecY_rms vs slug



Right In: 0.013+/-0.000 χ^2/NDF : 482688.7/5

Left Out: 0.010+/-0.000 χ^2/NDF : 77620.6/9

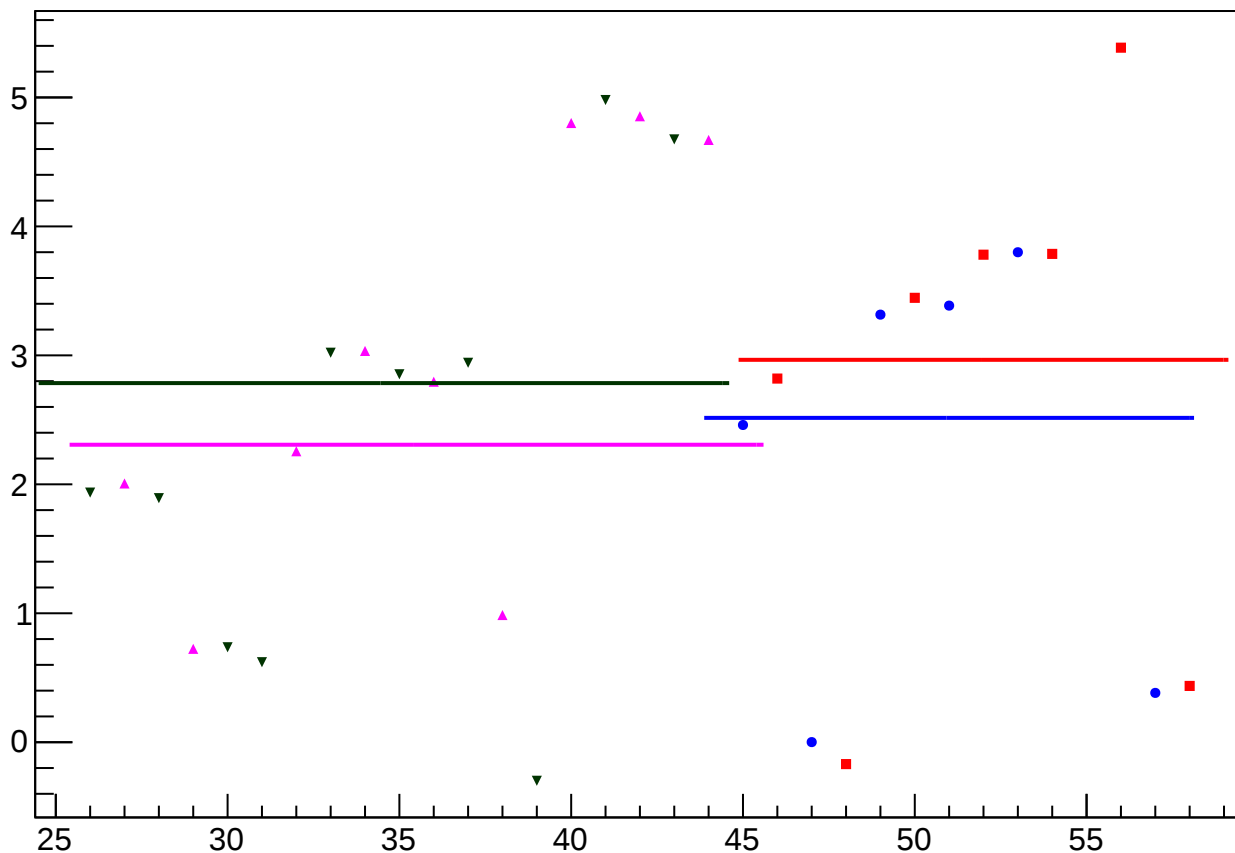
Right Out: 0.015+/-0.000 χ^2/NDF : 639727.2/6

Left In: 0.010+/-0.000 χ^2/NDF : 100523.1/8

0.011+/-0.000 χ^2/NDF : 765074.3/15

0.011+/-0.000 χ^2/NDF : 1270234.2/15

yield_bpm1X_mean vs slug



Right In: 2.515 ± 0.000 χ^2/NDF : 1131150344.4/5

Left Out: 2.785 ± 0.000 χ^2/NDF : 937439159.6/9

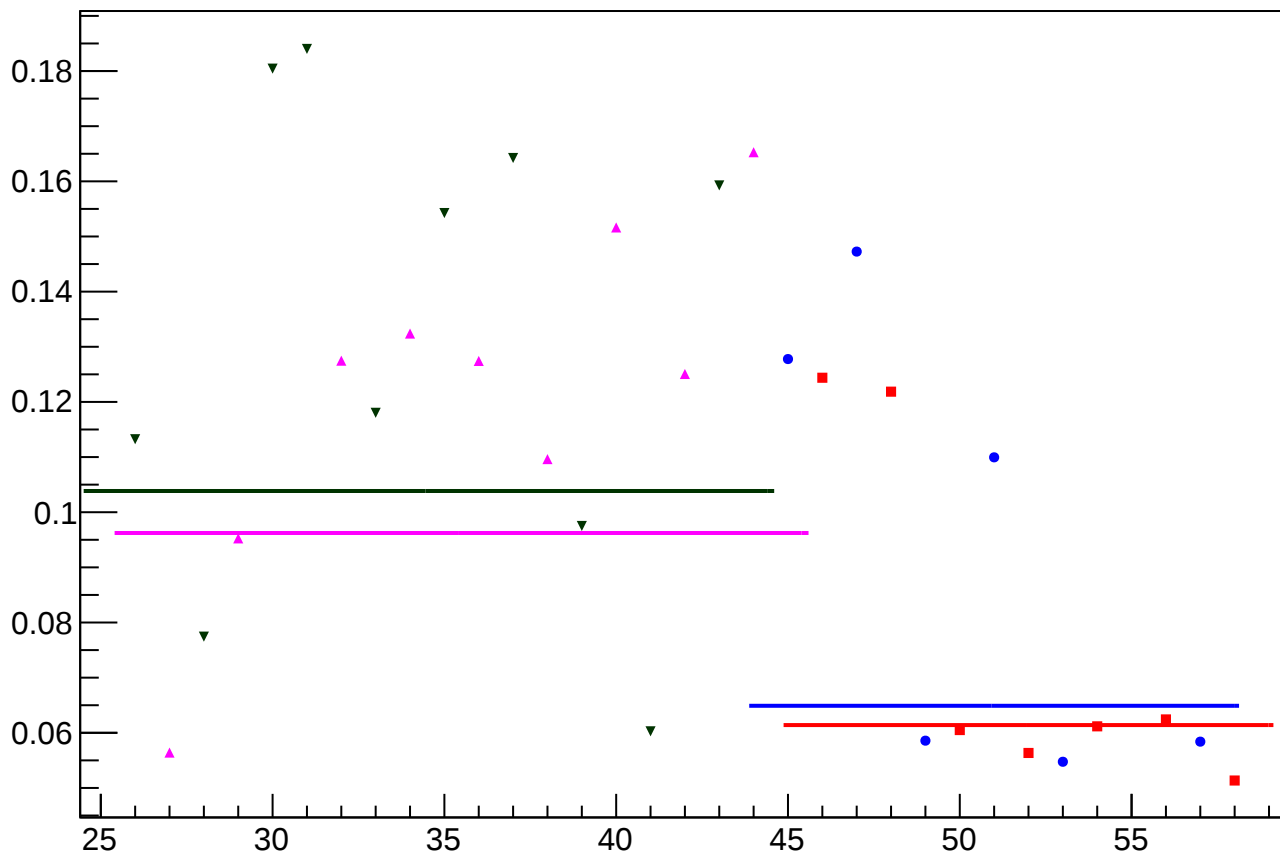
Right Out: 2.965 ± 0.000 χ^2/NDF : 2298799069.7/6

Left In: 2.307 ± 0.000 χ^2/NDF : 636892146.9/8

2.617 ± 0.000 χ^2/NDF : 2083000012.6/15

2.728 ± 0.000 χ^2/NDF : 3050944849.3/15

yield_bpm1X_rms vs slug



Right In: 0.065+/-0.000 χ^2/NDF : 566415.4/5

Left Out: 0.104+/-0.000 χ^2/NDF :1069454.4/9

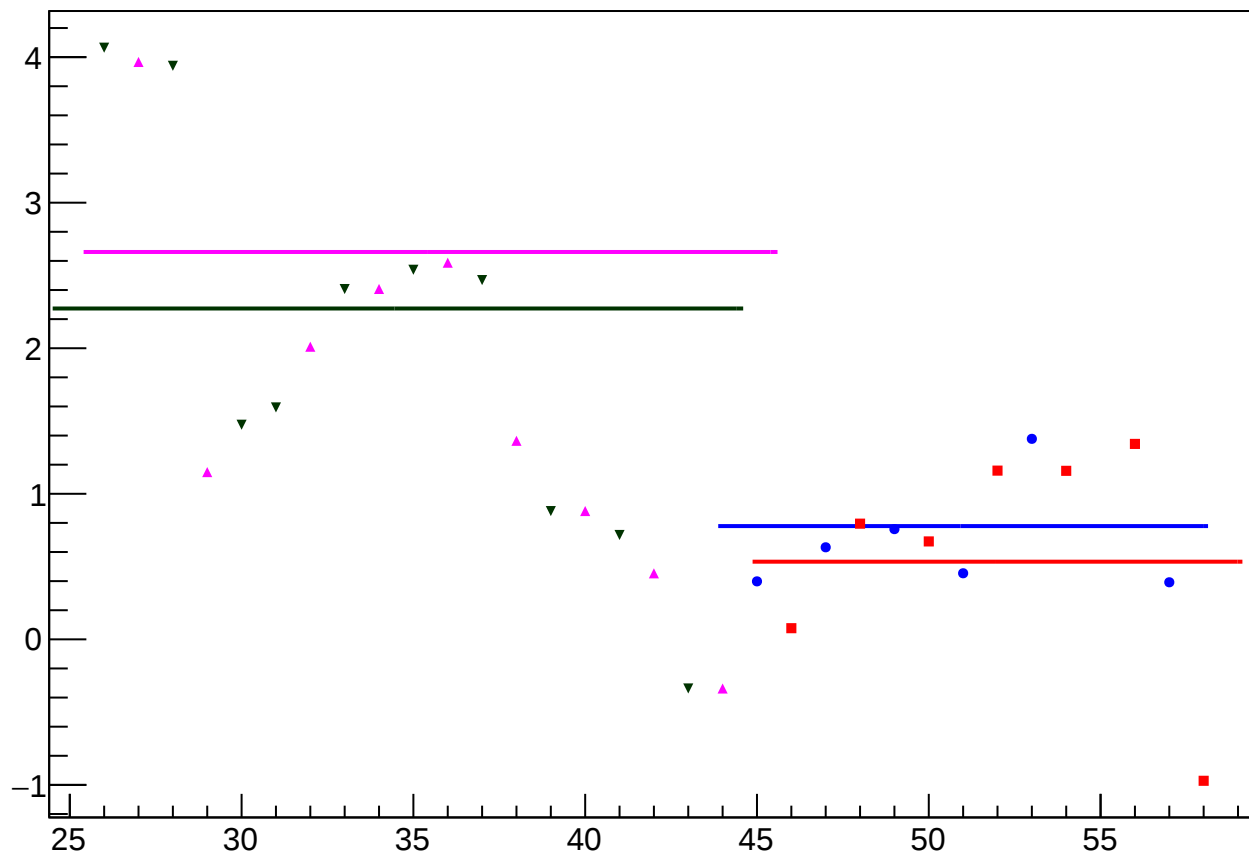
Right Out: 0.061+/-0.000 χ^2/NDF : 377626.5/6

Left In: 0.096+/-0.000 χ^2/NDF :1064500.6/8

0.080+/-0.000 χ^2/NDF : 2237231.8/15

0.074+/-0.000 χ^2/NDF : 2087134.9/15

yield_bpm1Y_mean vs slug



Right In: 0.778 $\pm$ 0.000 χ^2 /NDF: 111745636.1/5

Left Out: 2.273 $\pm$ 0.000 χ^2 /NDF:1459606873.3/9

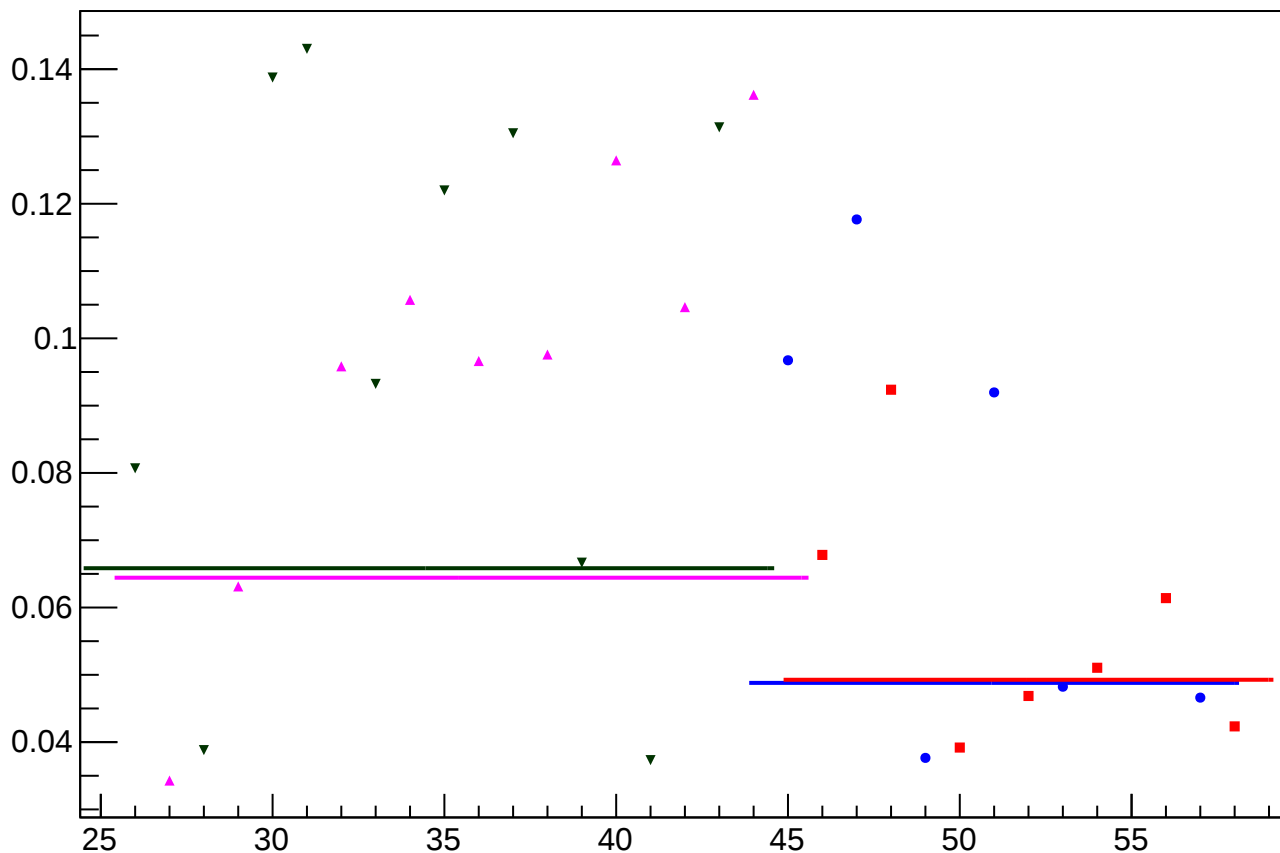
Right Out: 0.534 $\pm$ 0.000 χ^2 /NDF: 787657902.0/6

Left In: 2.661 $\pm$ 0.000 χ^2 /NDF:1577424597.4/8

1.422 $\pm$ 0.000 χ^2 /NDF: 2408518414.6/15

1.457 $\pm$ 0.000 χ^2 /NDF: 4445574807.9/15

yield_bpm1Y_rms vs slug



Right In: 0.049 $\pm$ 0.000 χ^2 /NDF: 626812.7/5

Left Out: 0.066 $\pm$ 0.000 χ^2 /NDF:1775612.2/9

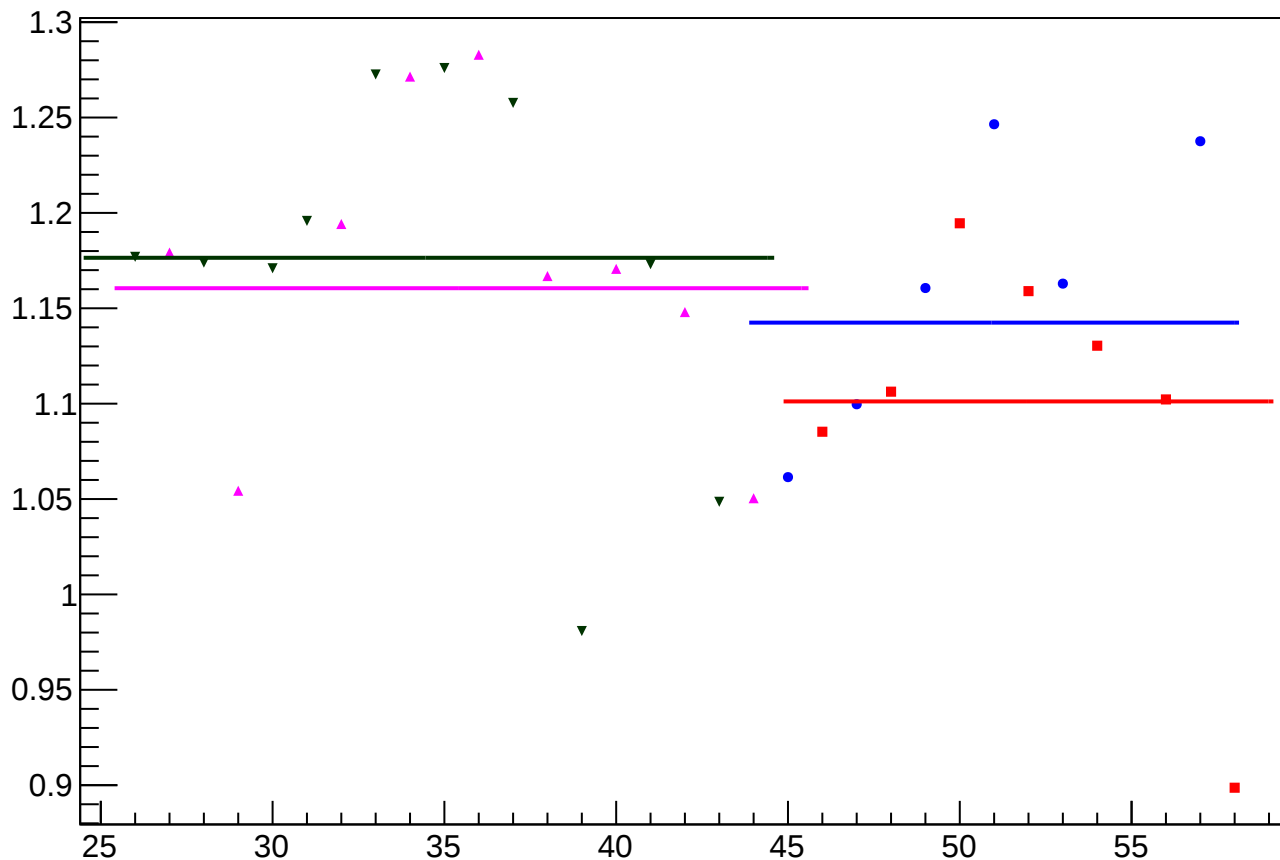
Right Out: 0.049 $\pm$ 0.000 χ^2 /NDF: 291679.0/6

Left In: 0.064 $\pm$ 0.000 χ^2 /NDF:1803430.9/8

0.056 $\pm$ 0.000 χ^2 /NDF: 2619961.8/15

0.056 $\pm$ 0.000 χ^2 /NDF: 2306455.2/15

yield_bpm11X_mean vs slug



Right In: 1.142 ± 0.000 χ^2/NDF : 15493337.5/5

Left Out: 1.176 ± 0.000 χ^2/NDF : 66030727.8/9

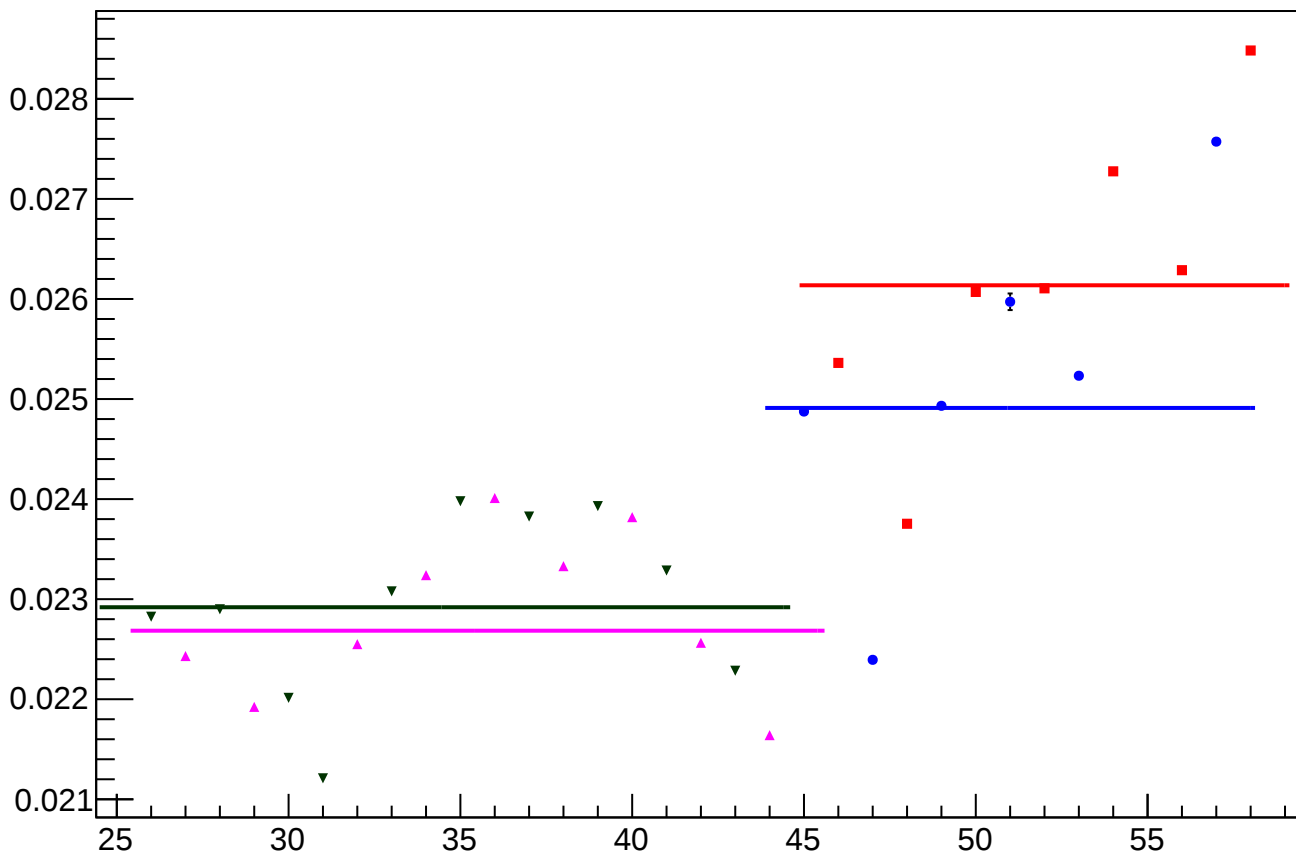
Right Out: 1.101 ± 0.000 χ^2/NDF : 35469630.1/6

Left In: 1.161 ± 0.000 χ^2/NDF : 58013078.5/8

1.165 ± 0.000 χ^2/NDF : 85173999.5/15

1.142 ± 0.000 χ^2/NDF : 105069751.4/15

yield_bpm11X_rms vs slug



Right In: 0.025+/-0.000 χ^2/NDF : 20539.7/5

Left Out: 0.023+/-0.000 χ^2/NDF :12479.4/9

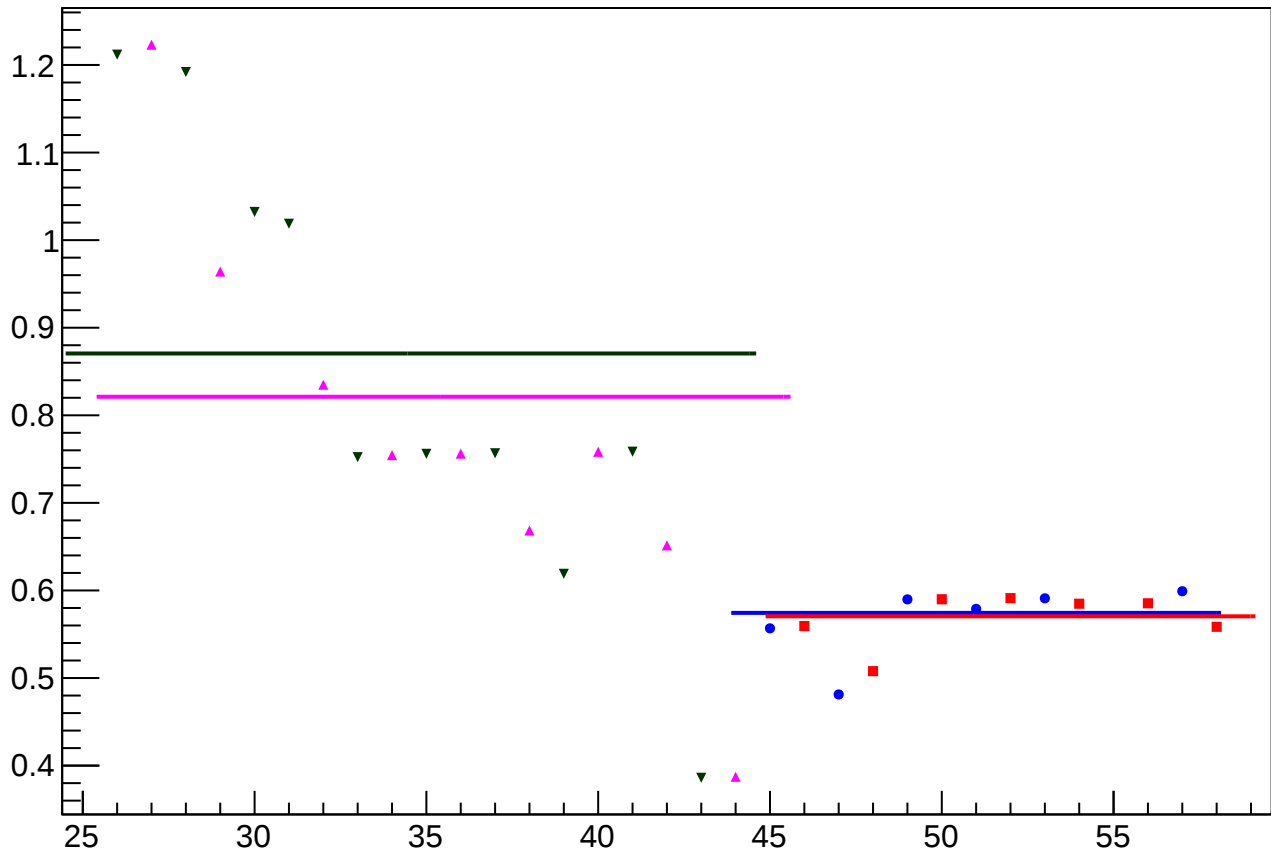
Right Out: 0.026+/-0.000 χ^2/NDF : 17842.6/6

Left In: 0.023+/-0.000 χ^2/NDF :10953.7/8

0.024+/-0.000 χ^2/NDF : 58083.4/15

0.024+/-0.000 χ^2/NDF : 107202.2/15

yield_bpm11Y_mean vs slug



Right In: 0.574+/-0.000 χ^2/NDF : 245444687.5/5

Left Out: 0.871+/-0.000 χ^2/NDF :19713959128.0/9

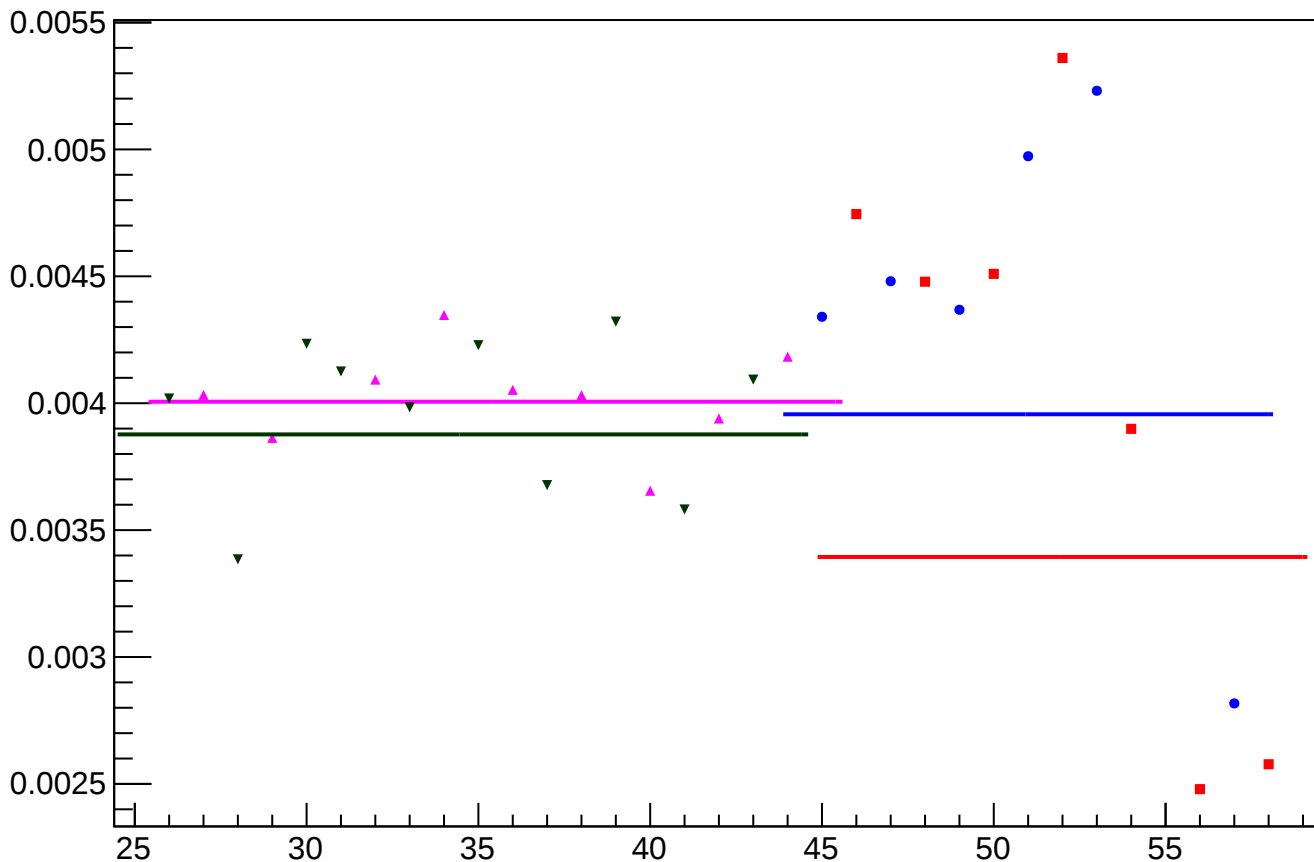
0.764+/-0.000 χ^2/NDF : 30114602304.1/15

Right Out: 0.570+/-0.000 χ^2/NDF : 138731684.3/6

0.712+/-0.000 χ^2/NDF : 26383103131.6/15

Left In: 0.821+/-0.000 χ^2/NDF :16933098882.9/8

yield_bpm11Y_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 255536.9/5

Left Out: 0.004+/-0.000 χ^2/NDF :65331.5/9

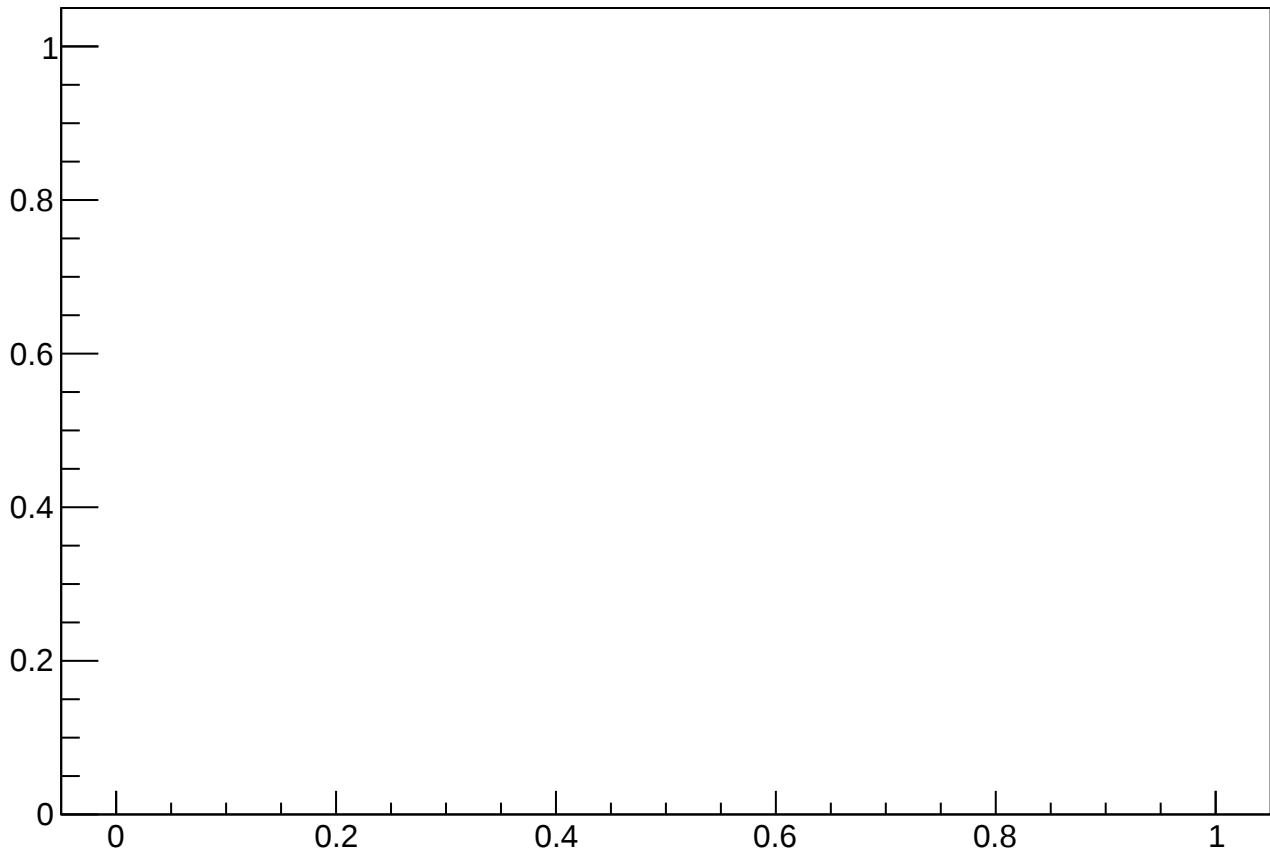
Right Out: 0.003+/-0.000 χ^2/NDF : 561258.7/6

Left In: 0.004+/-0.000 χ^2/NDF :20427.1/8

0.004+/-0.000 χ^2/NDF : 322326.2/15

0.004+/-0.000 χ^2/NDF : 692516.0/15

yield_bpm14X_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

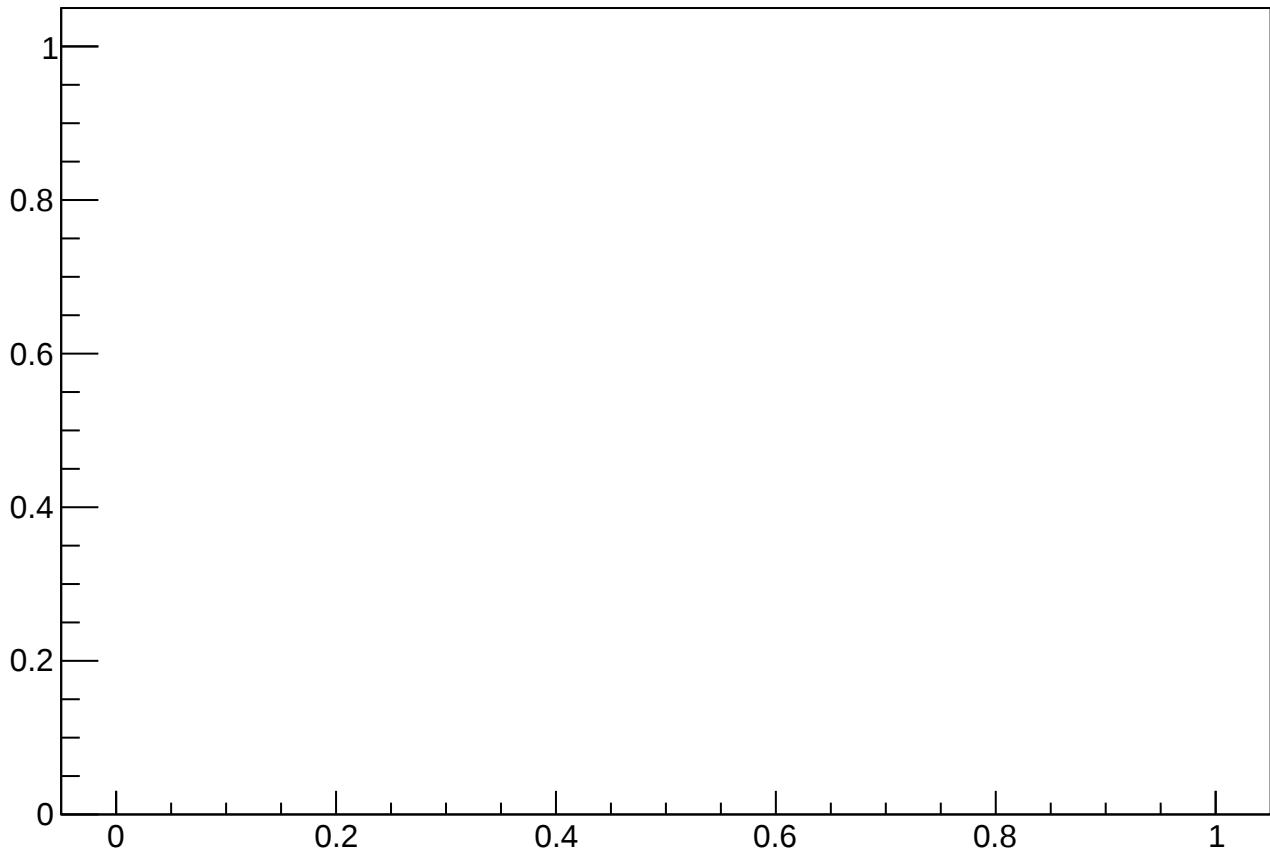
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_bpm14X_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

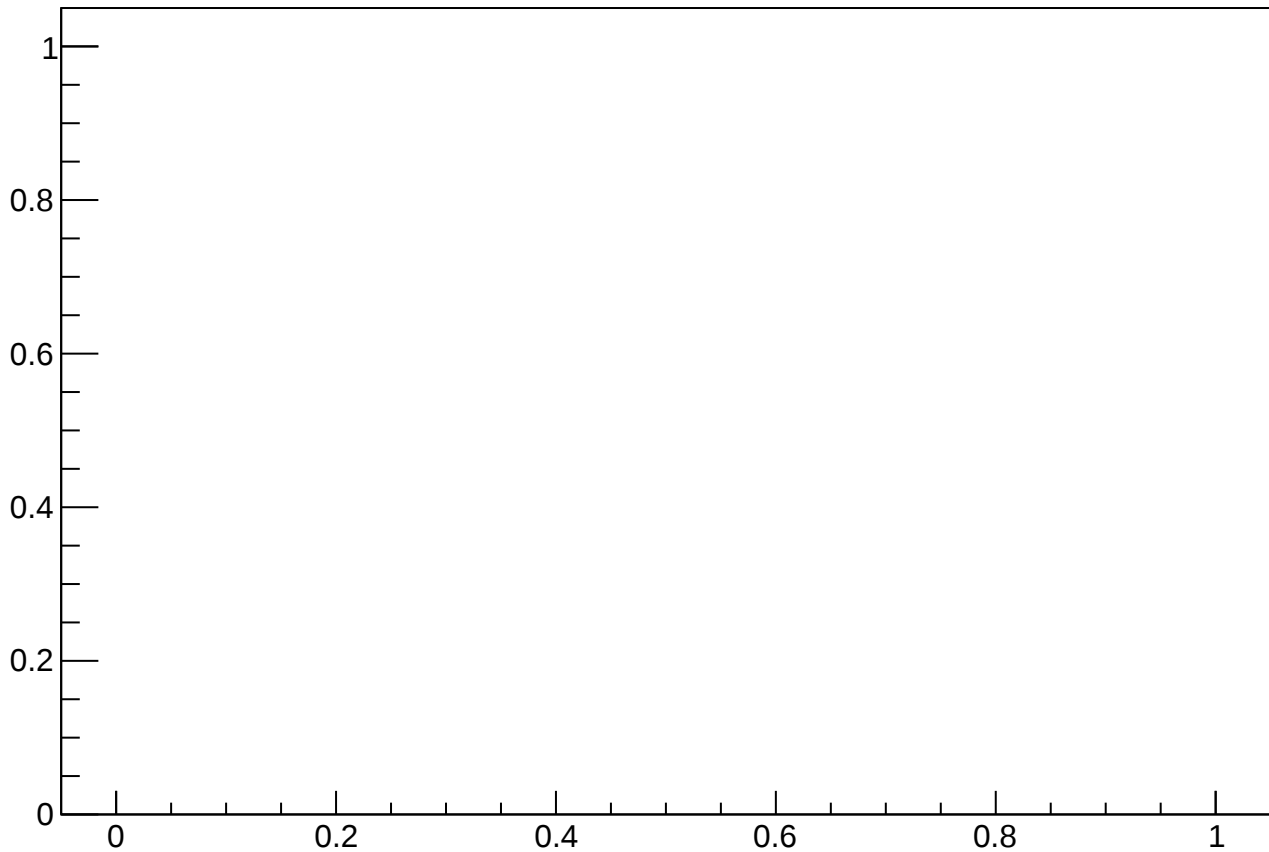
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_bpm14Y_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

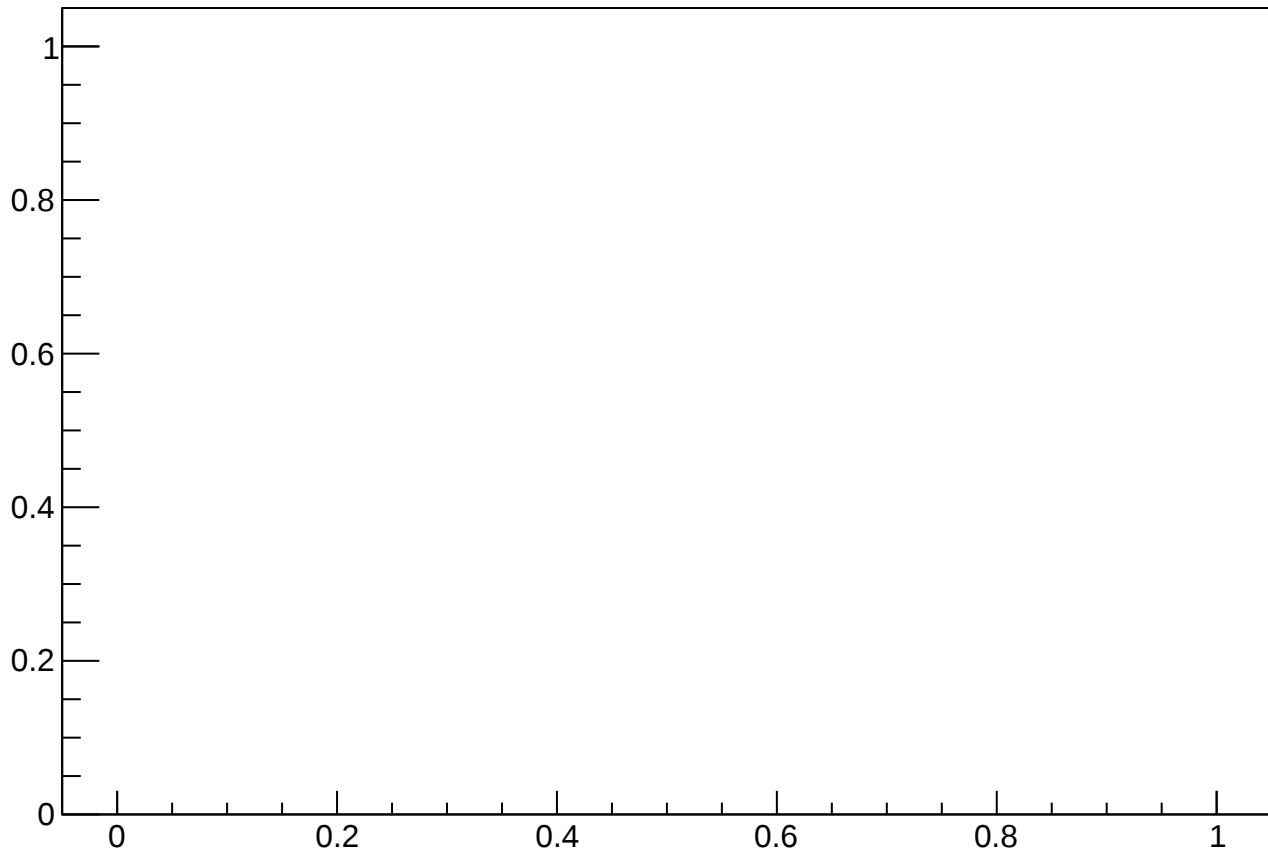
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_bpm14Y_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

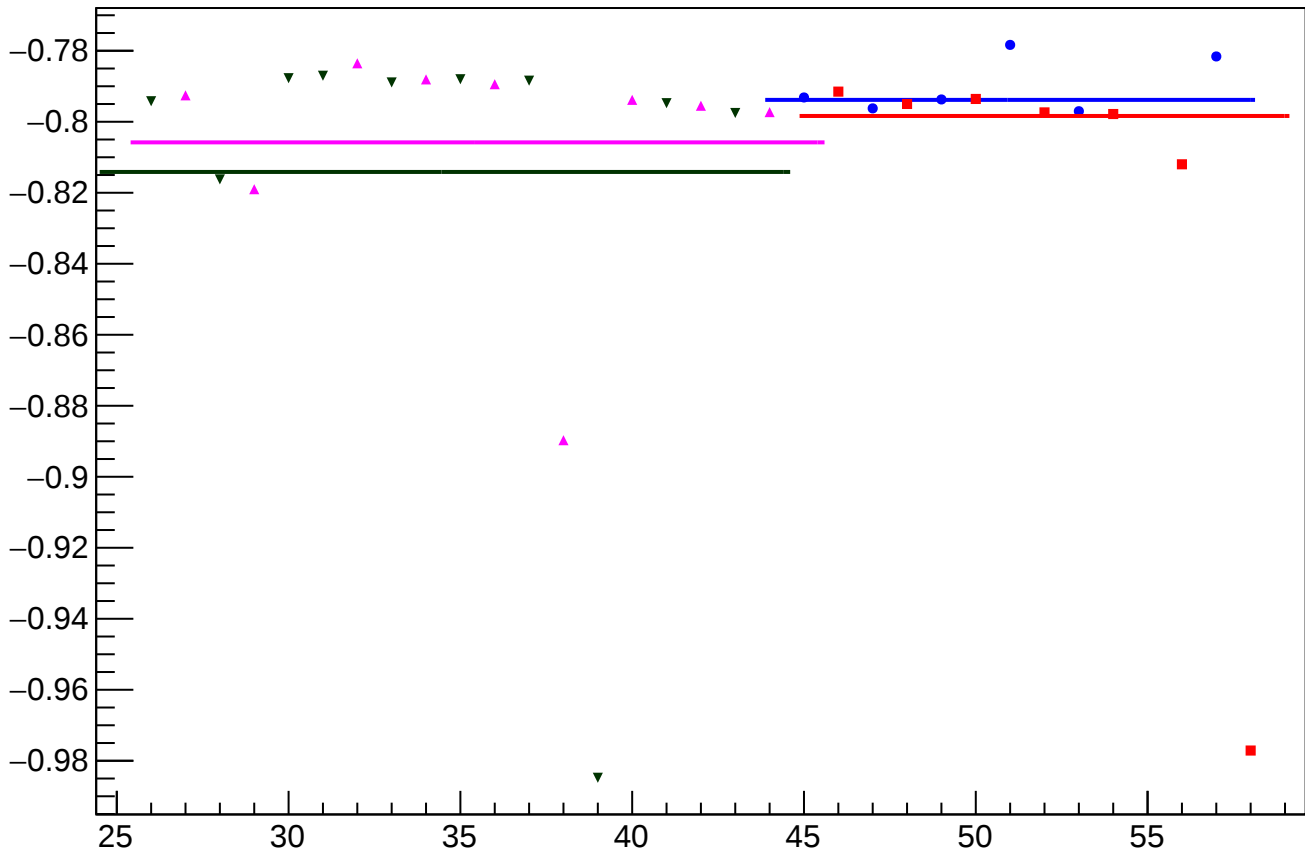
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_bpm12X_mean vs slug



Right In: -0.794+/-0.000 χ^2/NDF : 578261.4/5

Left Out: -0.814+/-0.000 χ^2/NDF : 256384261.5/9

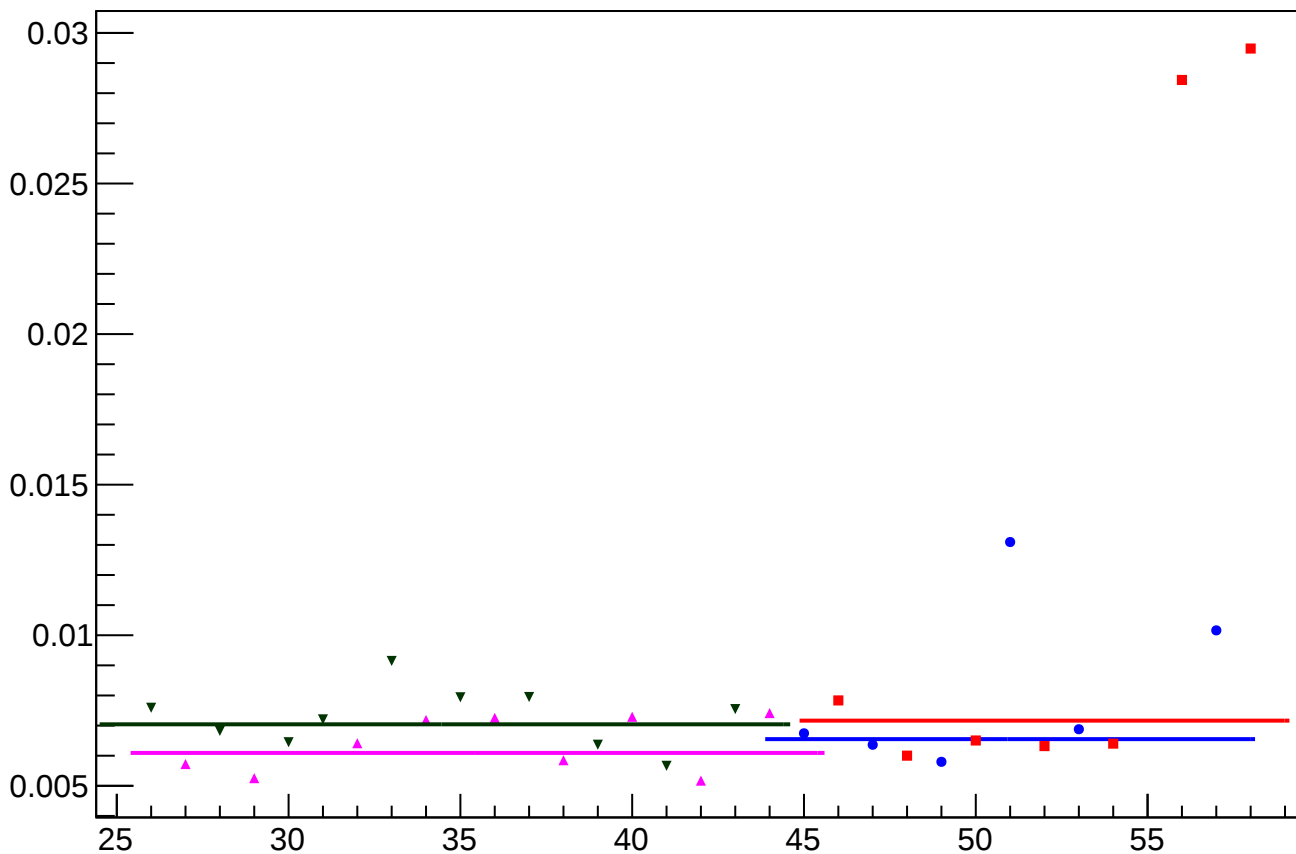
Right Out: -0.798+/-0.000 χ^2/NDF : 19568223.9/6

Left In: -0.806+/-0.000 χ^2/NDF : 95420690.3/8

-0.807+/-0.000 χ^2/NDF : 268822493.4/15

-0.804+/-0.000 χ^2/NDF : 116570989.4/15

yield_bpm12X_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 114042.7/5

Left Out: 0.007+/-0.000 χ^2/NDF :134724.6/9

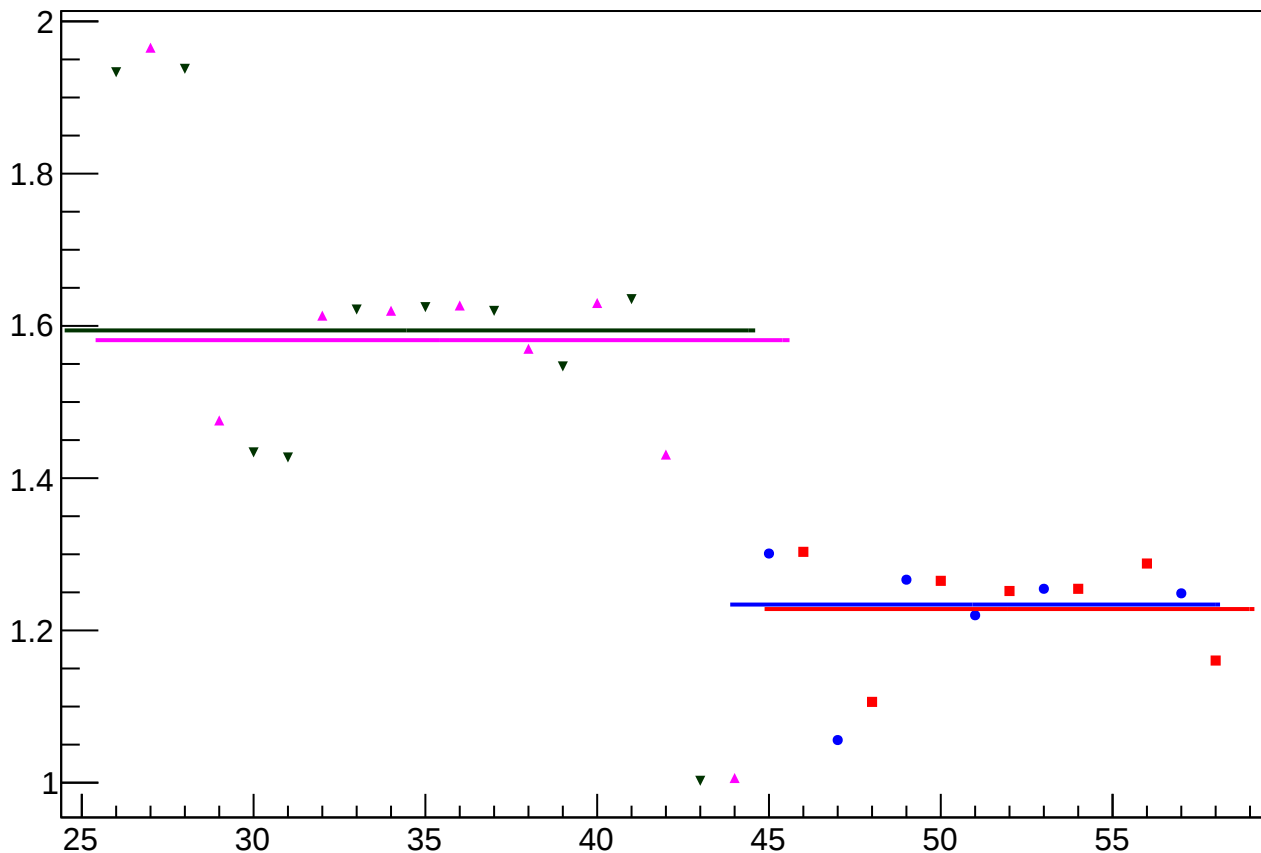
Right Out: 0.007+/-0.000 χ^2/NDF : 1175076.9/6

Left In: 0.006+/-0.000 χ^2/NDF :142799.7/8

0.007+/-0.000 χ^2/NDF : 262693.5/15

0.006+/-0.000 χ^2/NDF : 1383619.6/15

yield_bpm12Y_mean vs slug



Right In: 1.234 ± 0.000 χ^2/NDF : 384967247.3/5

Left Out: 1.594 ± 0.000 χ^2/NDF : 6691352437.6/9

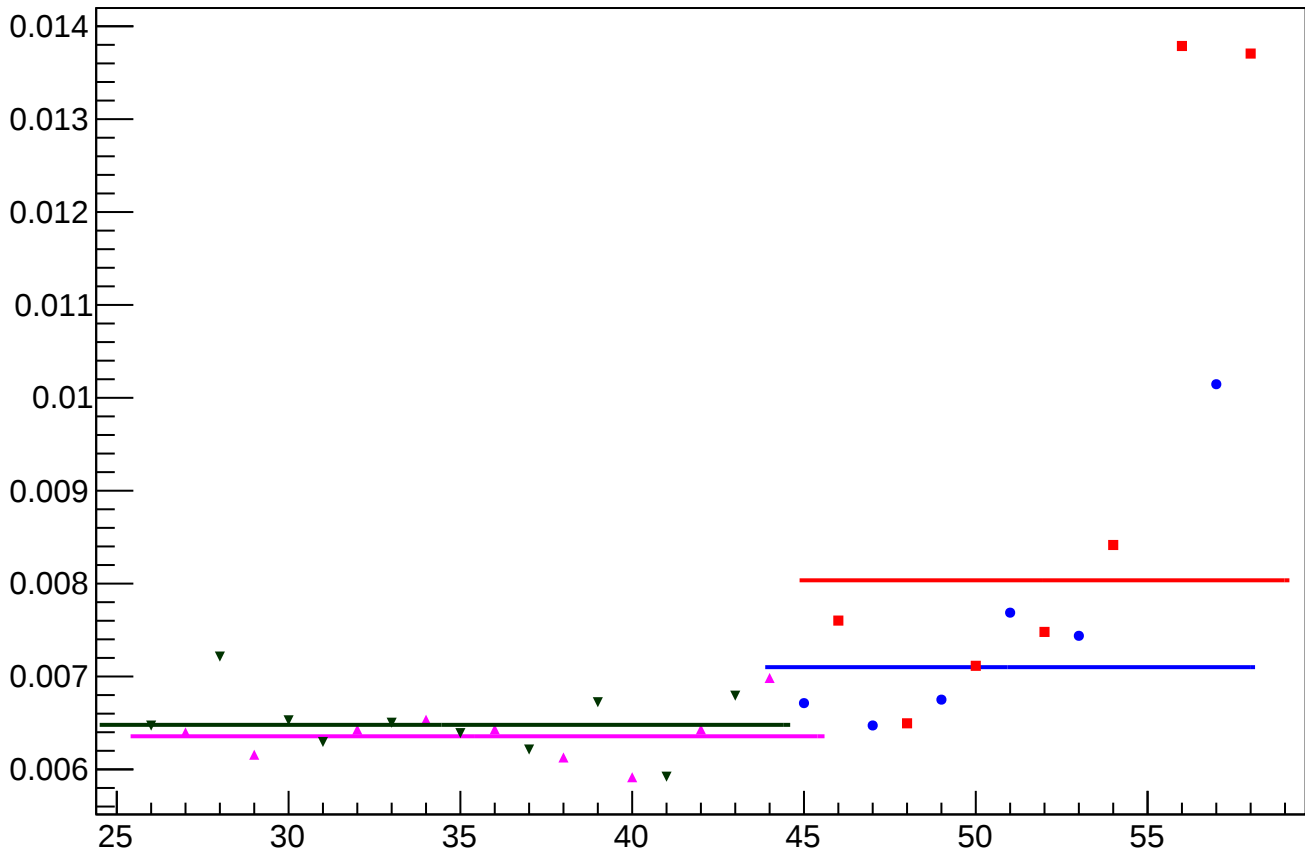
Right Out: 1.228 ± 0.000 χ^2/NDF : 226801294.8/6

Left In: 1.581 ± 0.000 χ^2/NDF : 6756932210.6/8

1.475 ± 0.000 χ^2/NDF : 11886273103.7/15

1.486 ± 0.000 χ^2/NDF : 11284934972.3/15

yield_bpm12Y_rms vs slug



Right In: 0.007+/-0.000 χ^2/NDF : 103820.7/5

Left Out: 0.006+/-0.000 χ^2/NDF :27801.2/9

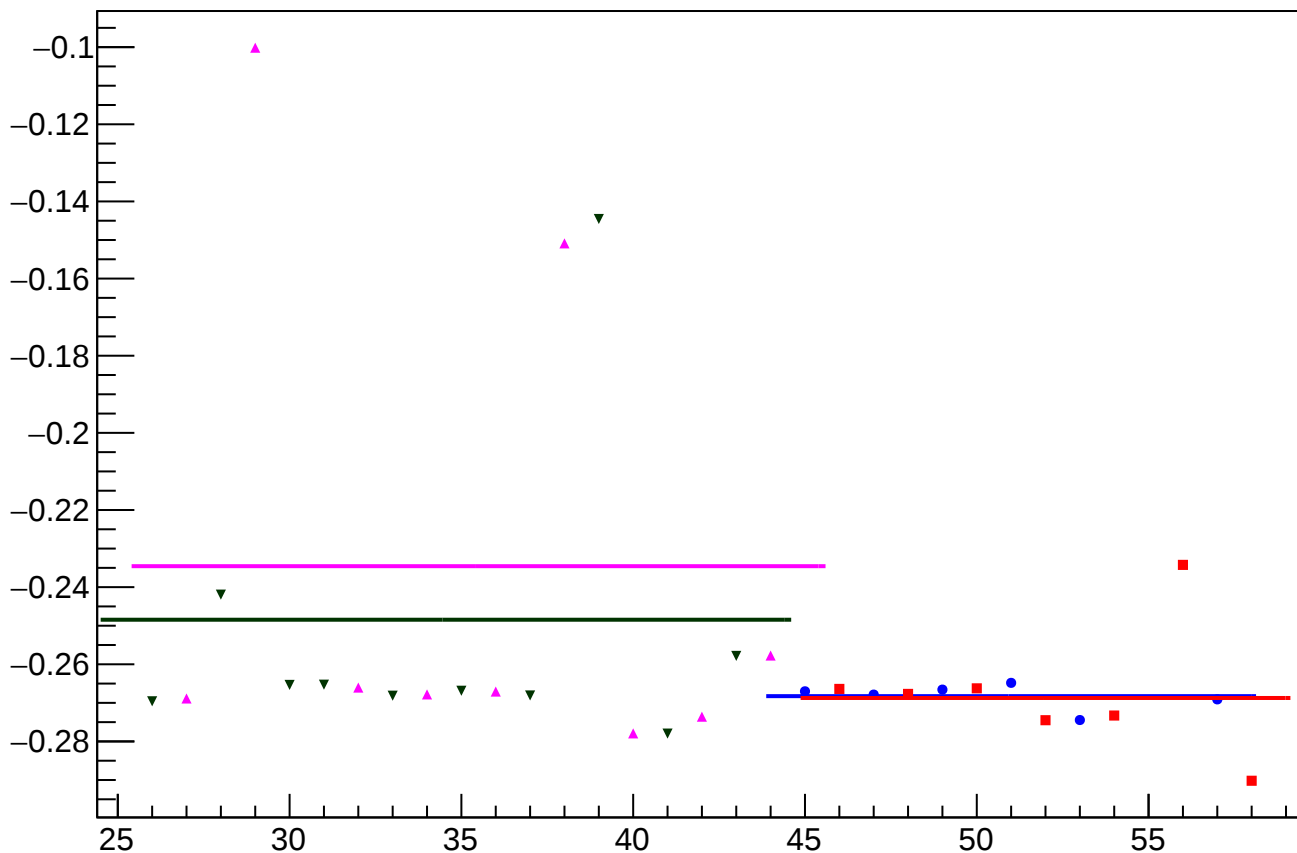
0.007+/-0.000 χ^2/NDF : 160240.2/15

Right Out: 0.008+/-0.000 χ^2/NDF : 410583.6/6

0.007+/-0.000 χ^2/NDF : 622017.3/15

Left In: 0.006+/-0.000 χ^2/NDF :17007.3/8

yield_bpm16X_mean vs slug



Right In: -0.268+/-0.000 χ^2 /NDF: 1042344.8/5

Left Out: -0.248+/-0.000 χ^2 /NDF: 259449025.3/9

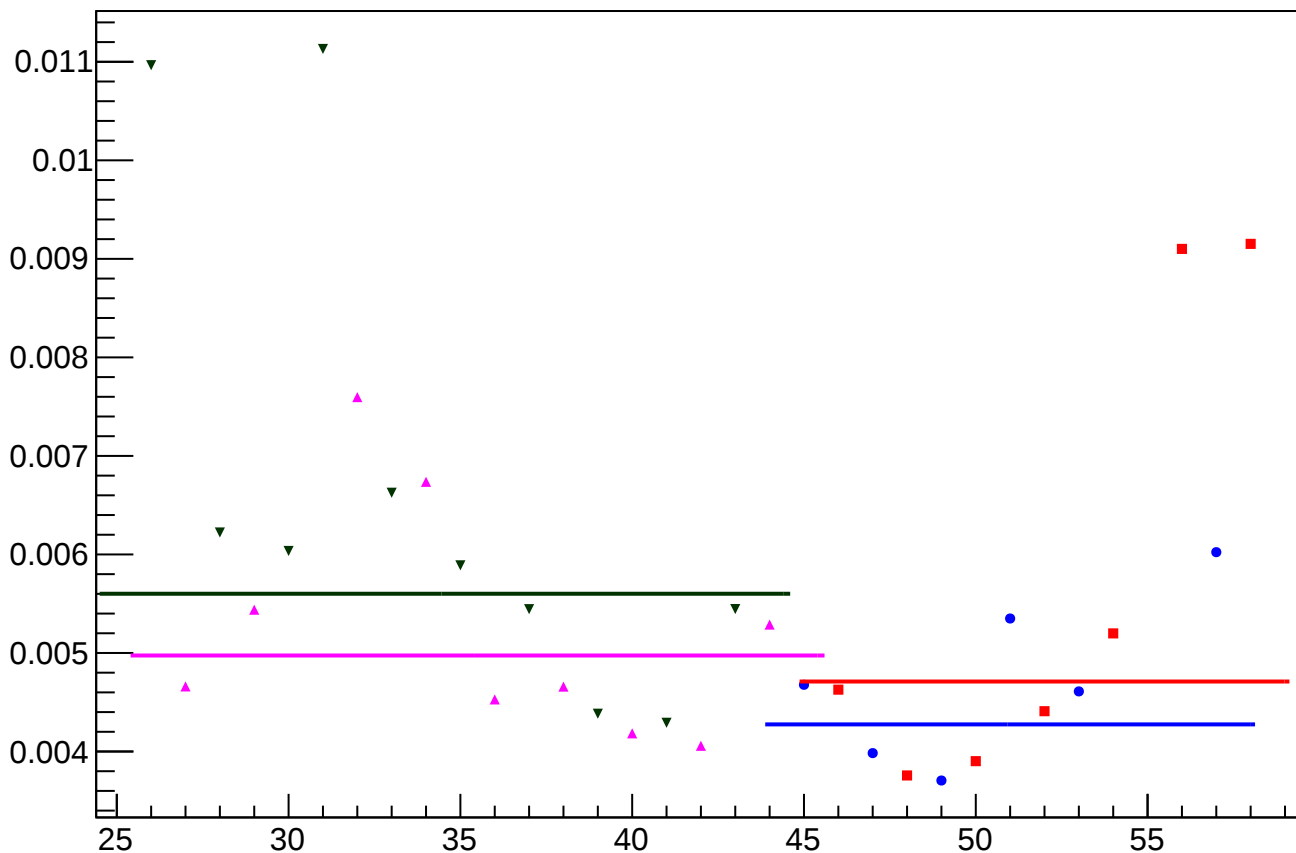
Right Out: -0.269+/-0.000 χ^2 /NDF: 10987671.1/6

Left In: -0.235+/-0.000 χ^2 /NDF: 786946325.9/8

-0.258+/-0.000 χ^2 /NDF: 287705547.0/15

-0.248+/-0.000 χ^2 /NDF: 886400459.4/15

yield_bpm16X_rms vs slug



Right In: 0.004+/-0.000 χ^2/NDF : 132218.3/5

Left Out: 0.006+/-0.000 χ^2/NDF : 602560.3/9

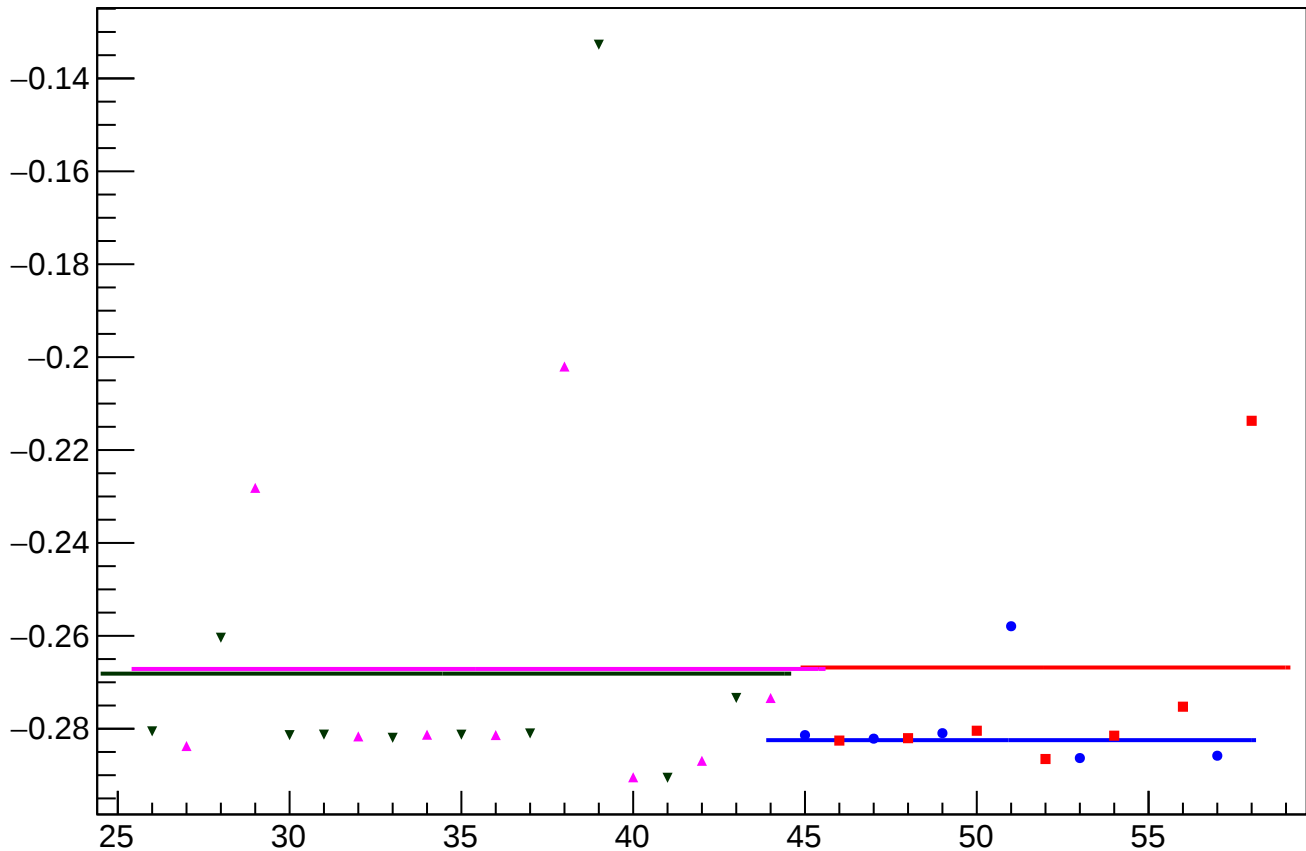
Right Out: 0.005+/-0.000 χ^2/NDF : 558534.2/6

Left In: 0.005+/-0.000 χ^2/NDF : 363316.6/8

0.005+/-0.000 χ^2/NDF : 978535.6/15

0.005+/-0.000 χ^2/NDF : 932425.5/15

yield_bpm16Y_mean vs slug



Right In: -0.282+/-0.000 χ^2/NDF : 3796817.2/5

Left Out: -0.268+/-0.000 χ^2/NDF : 960438127.5/9

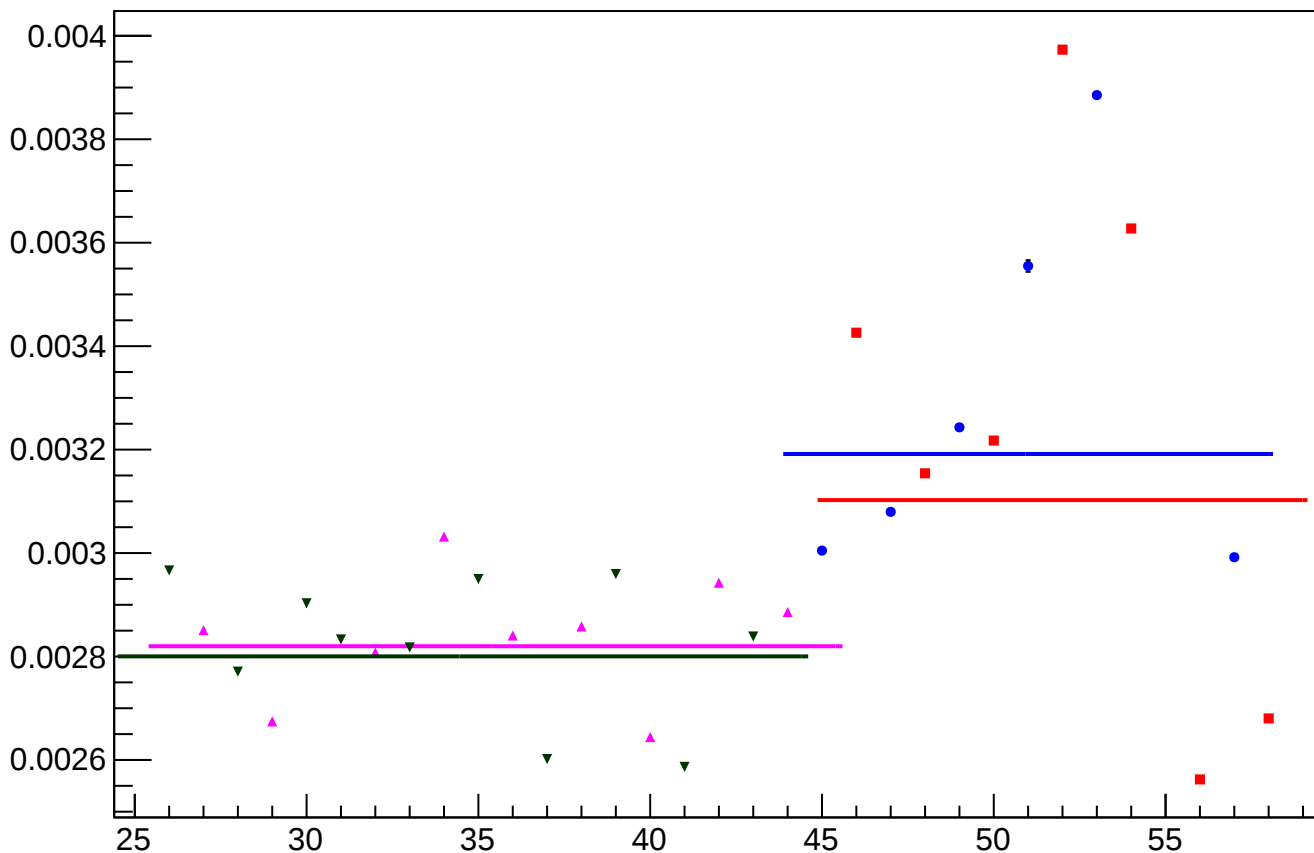
Right Out: -0.267+/-0.000 χ^2/NDF : 251579395.0/6

Left In: -0.267+/-0.000 χ^2/NDF : 554012466.4/8

-0.273+/-0.000 χ^2/NDF : 1005083257.5/15

-0.267+/-0.000 χ^2/NDF : 805613807.9/15

yield_bpm16Y_rms vs slug



Right In: 0.003+/-0.000 χ^2/NDF : 43374.7/5

Left Out: 0.003+/-0.000 χ^2/NDF :23694.6/9

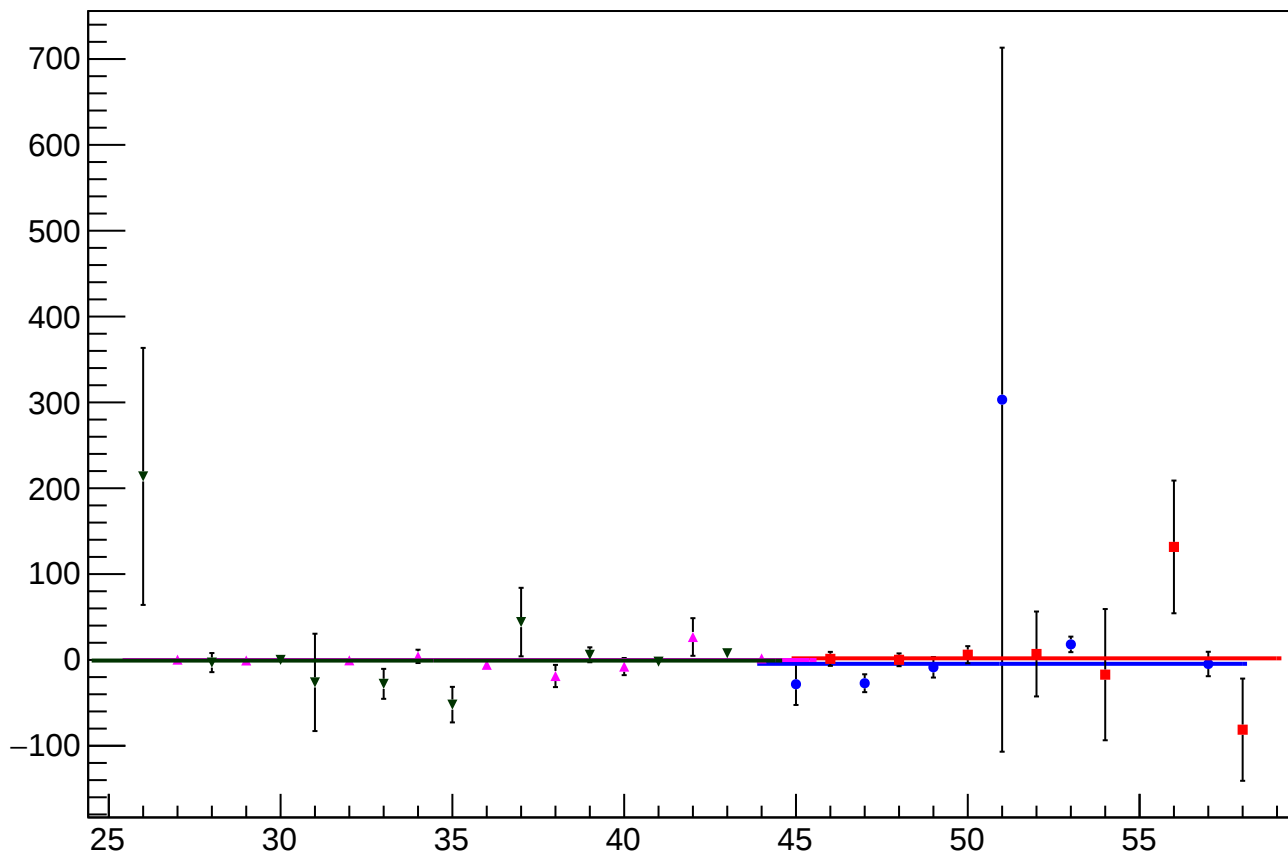
Right Out: 0.003+/-0.000 χ^2/NDF : 146772.3/6

Left In: 0.003+/-0.000 χ^2/NDF :16393.9/8

0.003+/-0.000 χ^2/NDF : 128076.0/15

0.003+/-0.000 χ^2/NDF : 199535.3/15

diff_cav4bX_mean vs slug



Right In: -4.514+/-5.339 χ^2 /NDF: 12.6/5

Left Out: -0.755+/-1.557 χ^2 /NDF:15.9/9

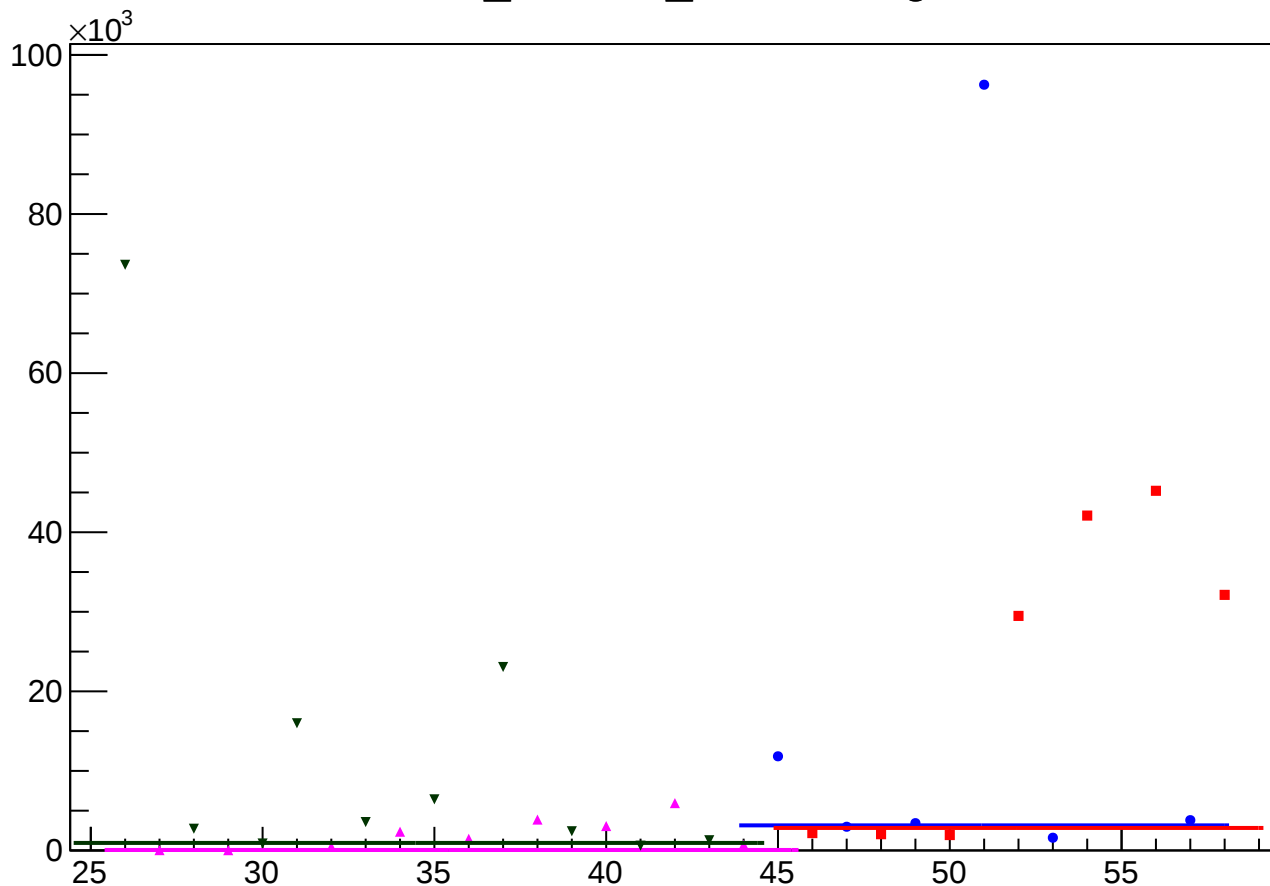
Right Out: 1.853+/-4.752 χ^2 /NDF: 5.1/6

Left In: -0.086+/-0.168 χ^2 /NDF:15.5/8

-1.050+/-1.495 χ^2 /NDF: 28.9/15

-0.083+/-0.168 χ^2 /NDF: 20.8/15

diff_cav4bX_rms vs slug



Right In: 3153.577+/-3.775 χ^2/NDF : 425529.8/5

Left Out: 946.747+/-1.101 χ^2/NDF :1585820.7/9

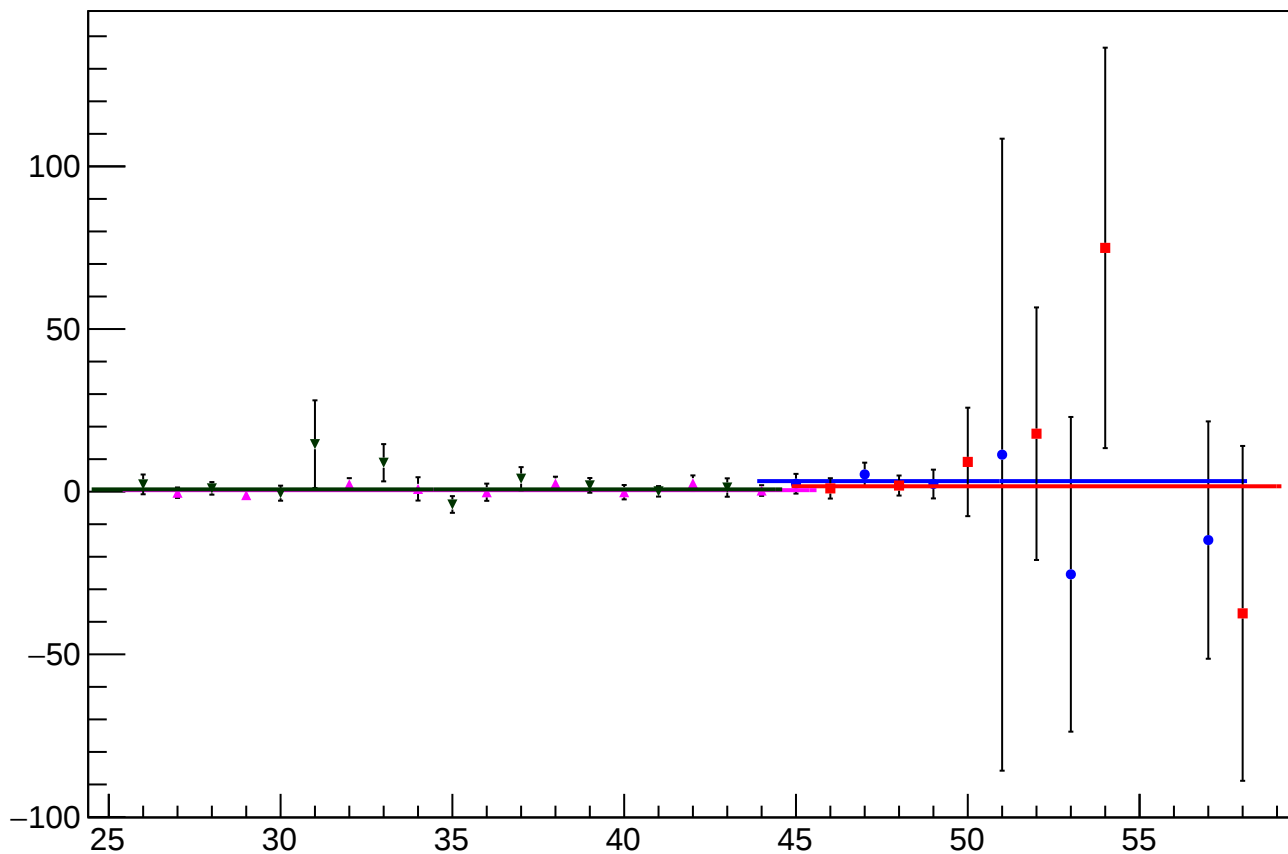
Right Out: 2828.763+/-3.360 χ^2/NDF : 2245025.7/6

Left In: 61.511+/-0.119 χ^2/NDF :1573172.2/8

1119.764+/-1.057 χ^2/NDF : 2326261.1/15

64.974+/-0.119 χ^2/NDF : 4495591.1/15

diff_cav4bY_mean vs slug



Right In: 3.254 $\pm$ 2.048 χ^2 /NDF: 1.0/5

Left Out: 0.707 $\pm$ 0.808 χ^2 /NDF: 8.2/9

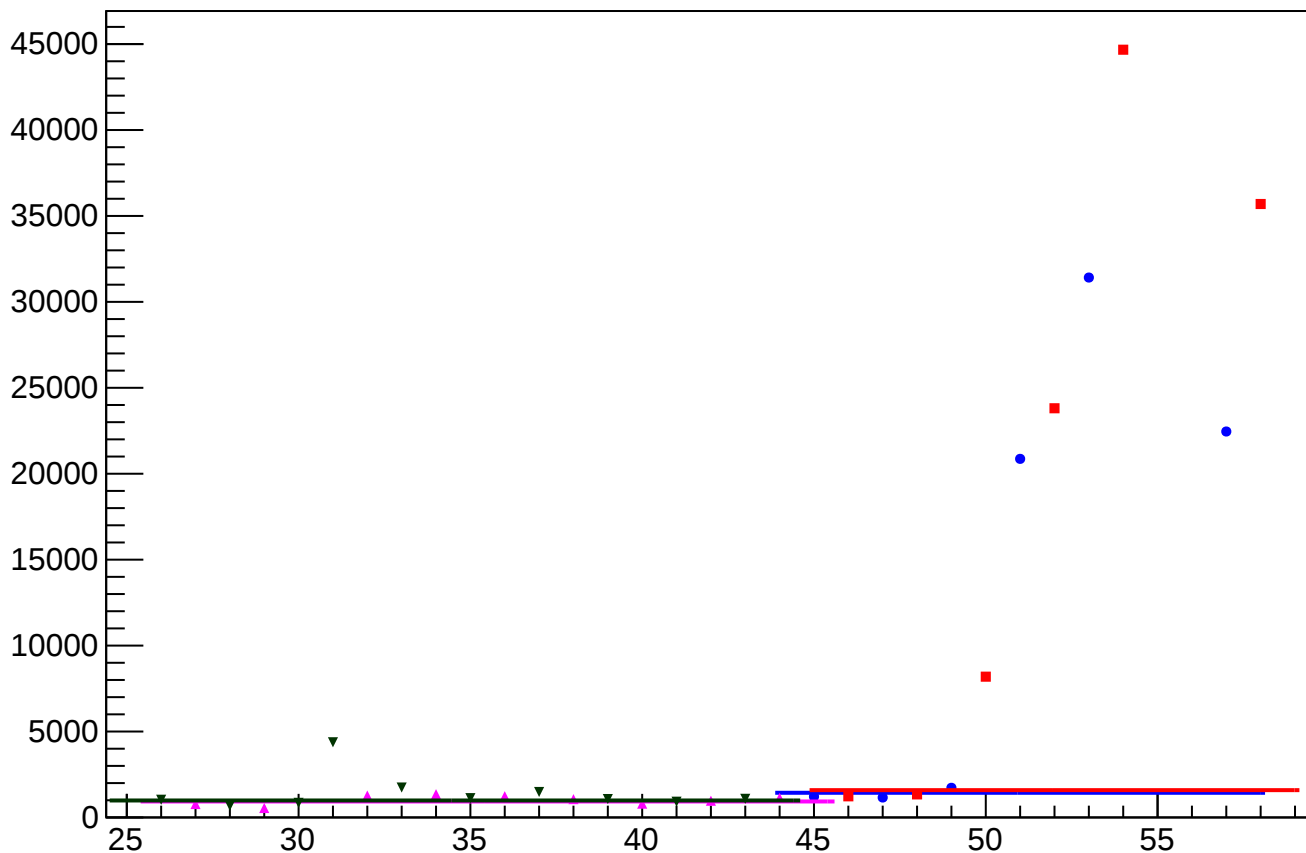
Right Out: 1.662 $\pm$ 2.169 χ^2 /NDF: 2.4/5

Left In: 0.468 $\pm$ 0.642 χ^2 /NDF: 4.4/8

1.049 $\pm$ 0.751 χ^2 /NDF: 10.6/15

0.564 $\pm$ 0.616 χ^2 /NDF: 7.1/14

diff_cav4bY_rms vs slug



Right In: 1435.761+/-1.448 χ^2/NDF : 1543280.4/5

Left Out: 987.900+/-0.571 χ^2/NDF : 270892.3/9

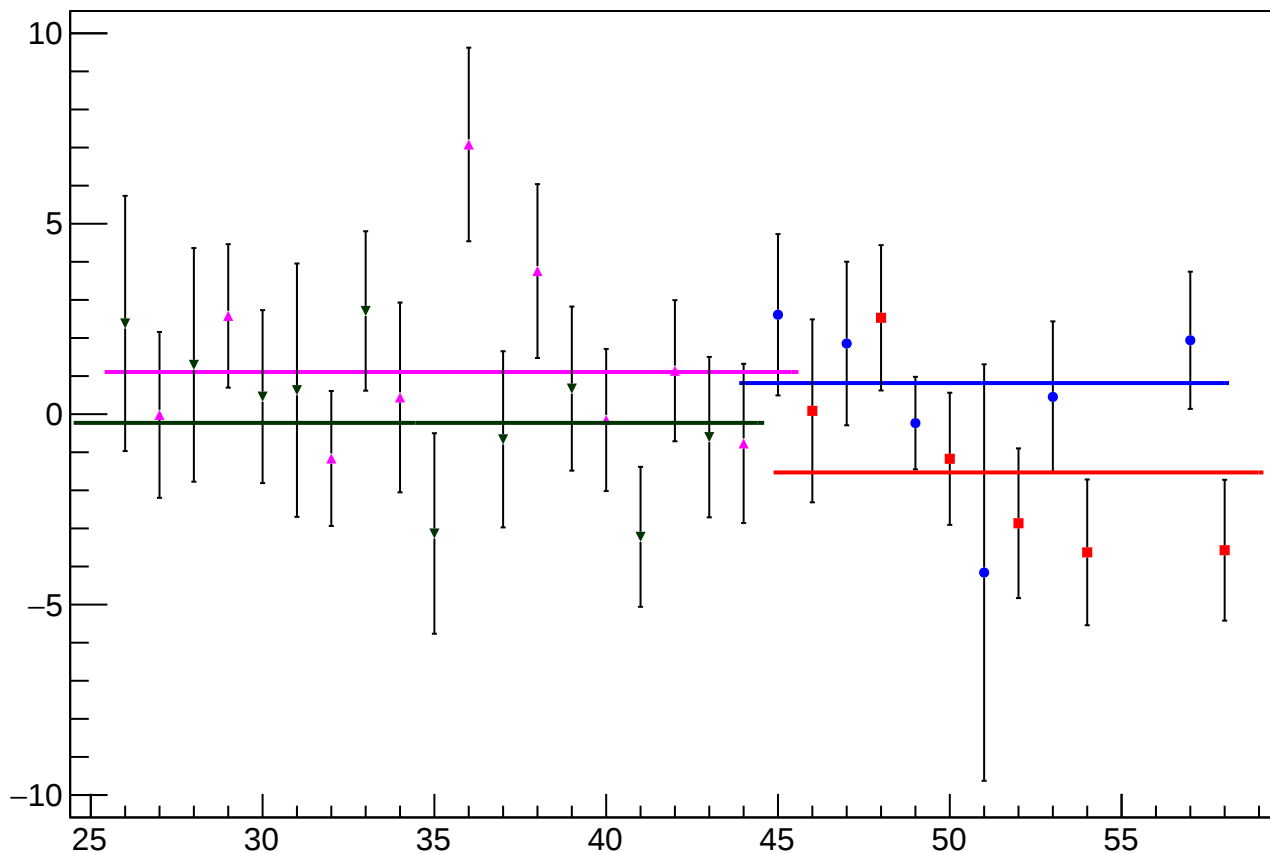
Right Out: 1588.944+/-1.534 χ^2/NDF : 2866316.1/5

Left In: 930.059+/-0.454 χ^2/NDF : 348877.4/8

1048.145+/-0.531 χ^2/NDF : 1896924.7/15

983.112+/-0.435 χ^2/NDF : 3384817.1/14

diff_cav4cX_mean vs slug



Right In: 0.817 ± 0.764 $\chi^2/\text{NDF}: 3.0/5$

Left Out: -0.229 ± 0.750 $\chi^2/\text{NDF}: 7.1/9$

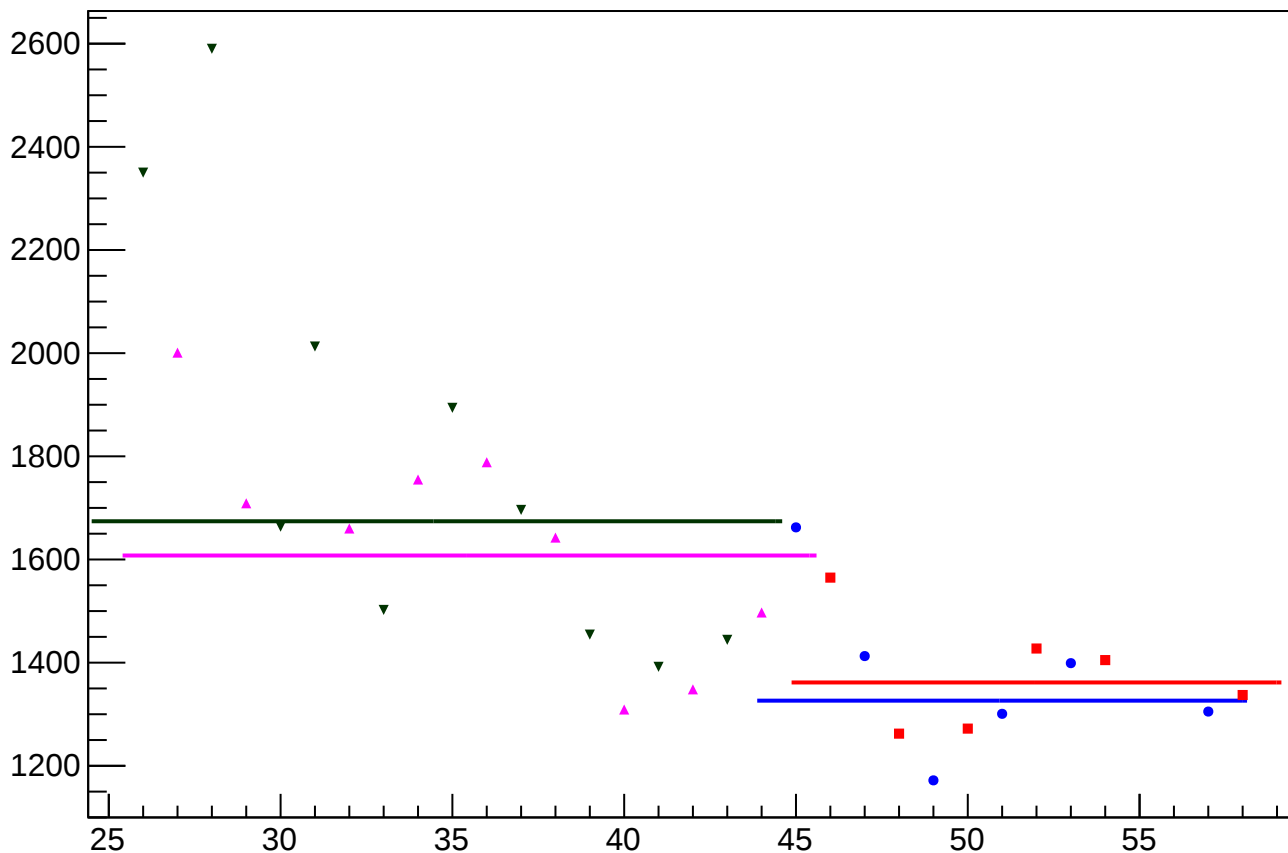
Right Out: -1.530 ± 0.789 $\chi^2/\text{NDF}: 7.9/5$

Left In: 1.107 ± 0.686 $\chi^2/\text{NDF}: 10.7/8$

0.285 ± 0.535 $\chi^2/\text{NDF}: 11.0/15$

-0.027 ± 0.518 $\chi^2/\text{NDF}: 25.0/14$

diff_cav4cX_rms vs slug



Right In: 1326.335+/-0.540 χ^2/NDF : 88945.4/5

Left Out: 1674.116+/-0.531 χ^2/NDF : 399958.8/9

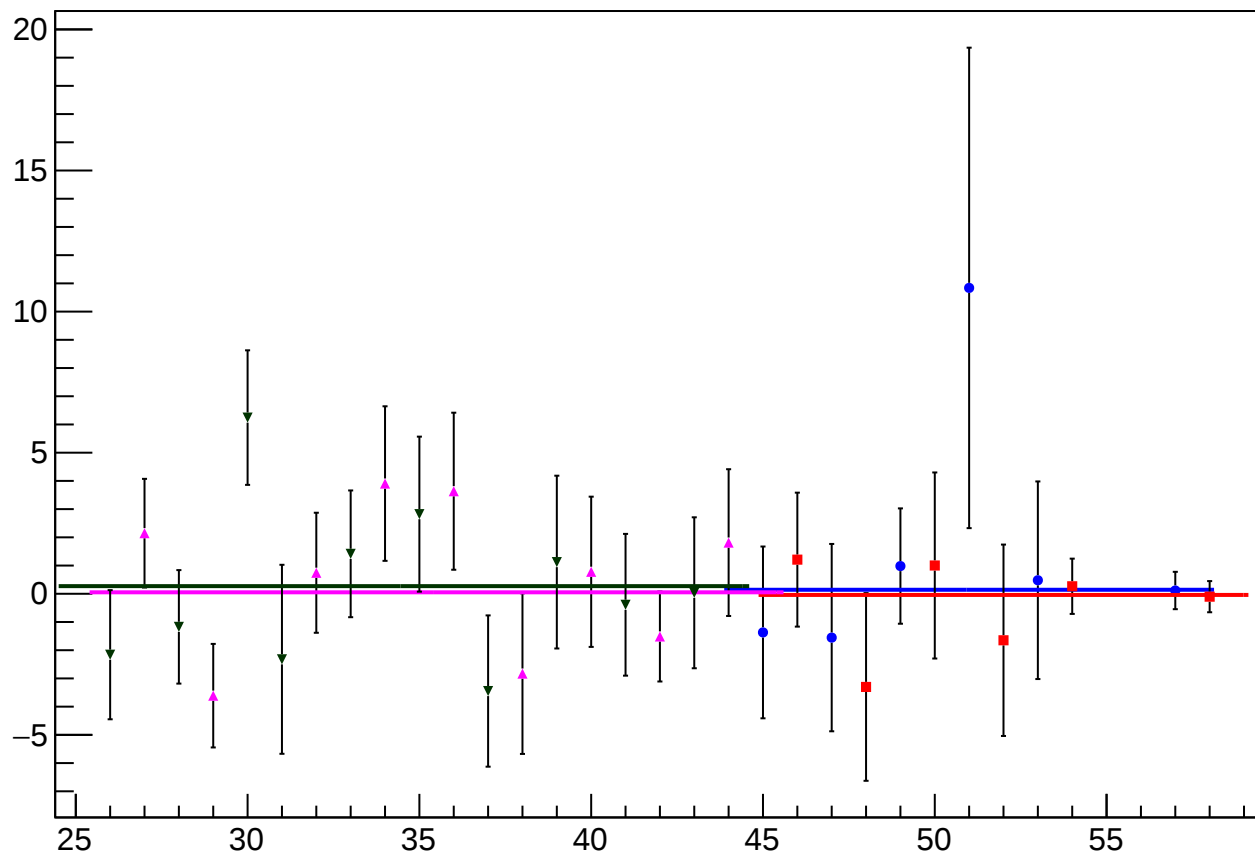
Right Out: 1361.611+/-0.558 χ^2/NDF : 28667.5/5

Left In: 1607.717+/-0.485 χ^2/NDF : 186348.1/8

1503.347+/-0.379 χ^2/NDF : 699896.0/15

1501.876+/-0.366 χ^2/NDF : 325798.1/14

diff_cav4cY_mean vs slug



Right In: 0.142 ± 0.596 χ^2/NDF : 2.3/5

Left Out: 0.271 ± 0.796 χ^2/NDF : 11.7/9

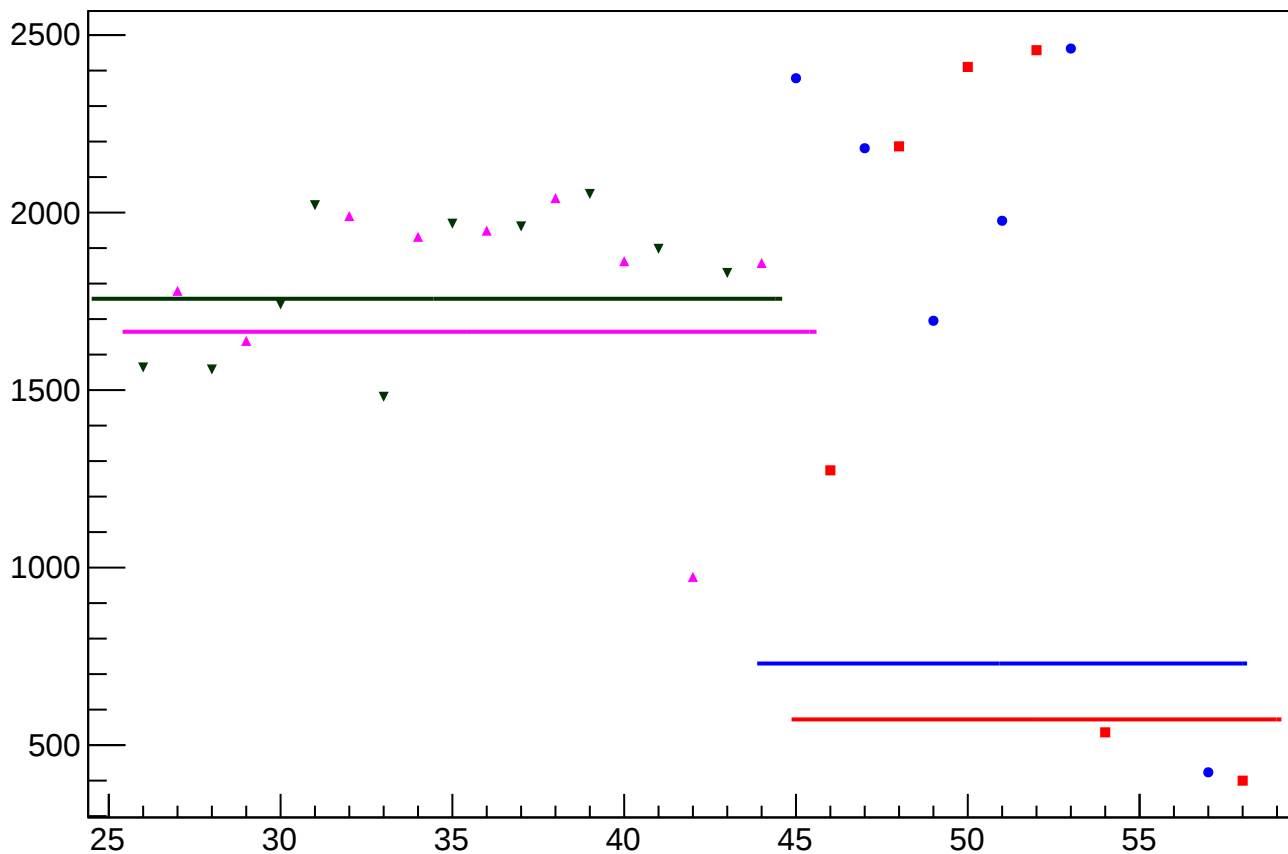
Right Out: -0.041 ± 0.458 χ^2/NDF : 1.7/5

Left In: 0.052 ± 0.734 χ^2/NDF : 11.4/8

0.188 ± 0.477 χ^2/NDF : 14.0/15

-0.015 ± 0.389 χ^2/NDF : 13.1/14

diff_cav4cY_rms vs slug



Right In: 729.878+/-0.421 χ^2/NDF : 2376092.9/5

Left Out: 1757.264+/-0.563 χ^2/NDF :126368.6/9

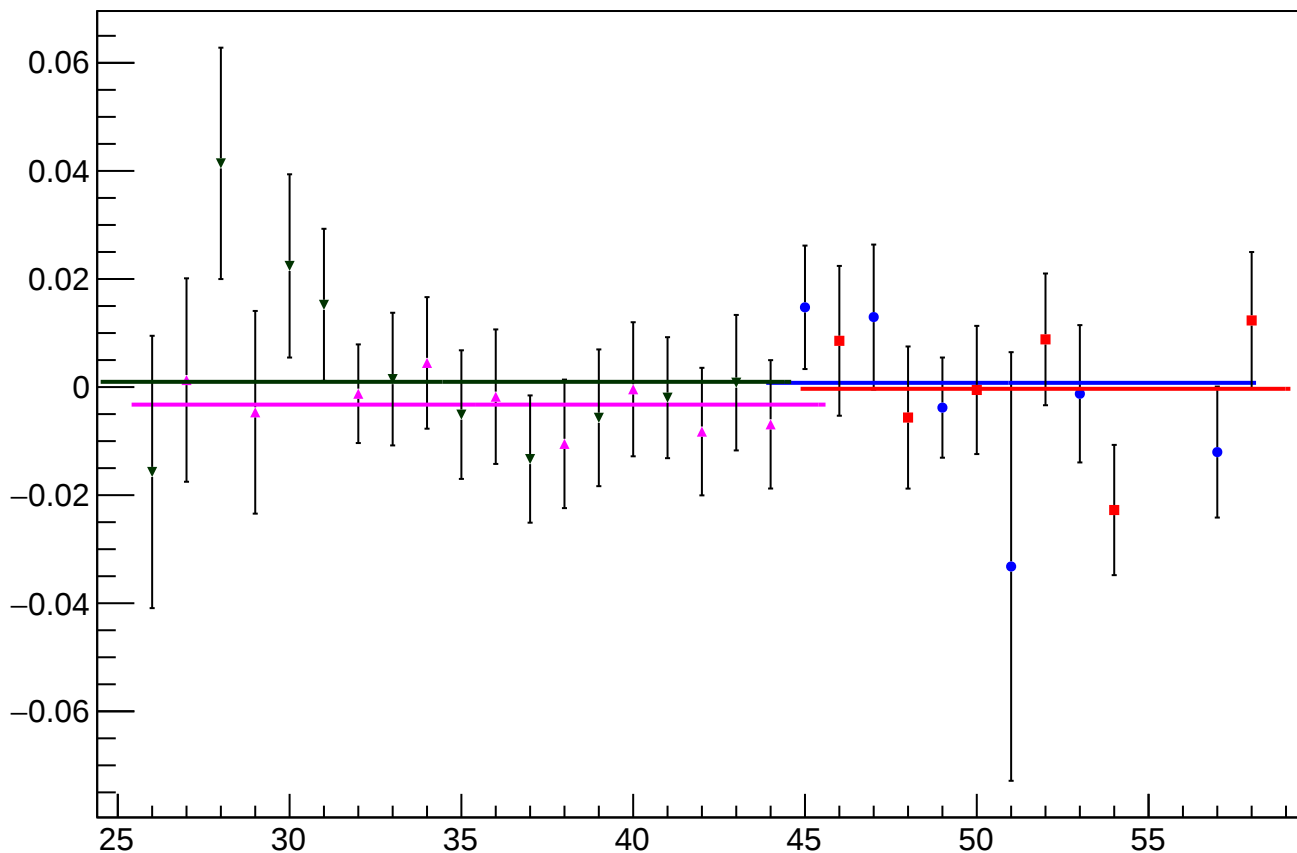
Right Out: 572.362+/-0.324 χ^2/NDF : 2082941.0/5

Left In: 1664.275+/-0.519 χ^2/NDF :526260.0/8

1098.949+/-0.337 χ^2/NDF : 4637141.7/15

878.271+/-0.275 χ^2/NDF : 5794032.3/14

diff_cav4dX_mean vs slug



Right In: 0.001 ± 0.005 χ^2/NDF : 4.4/5

Left Out: 0.001 ± 0.004 χ^2/NDF : 8.7/9

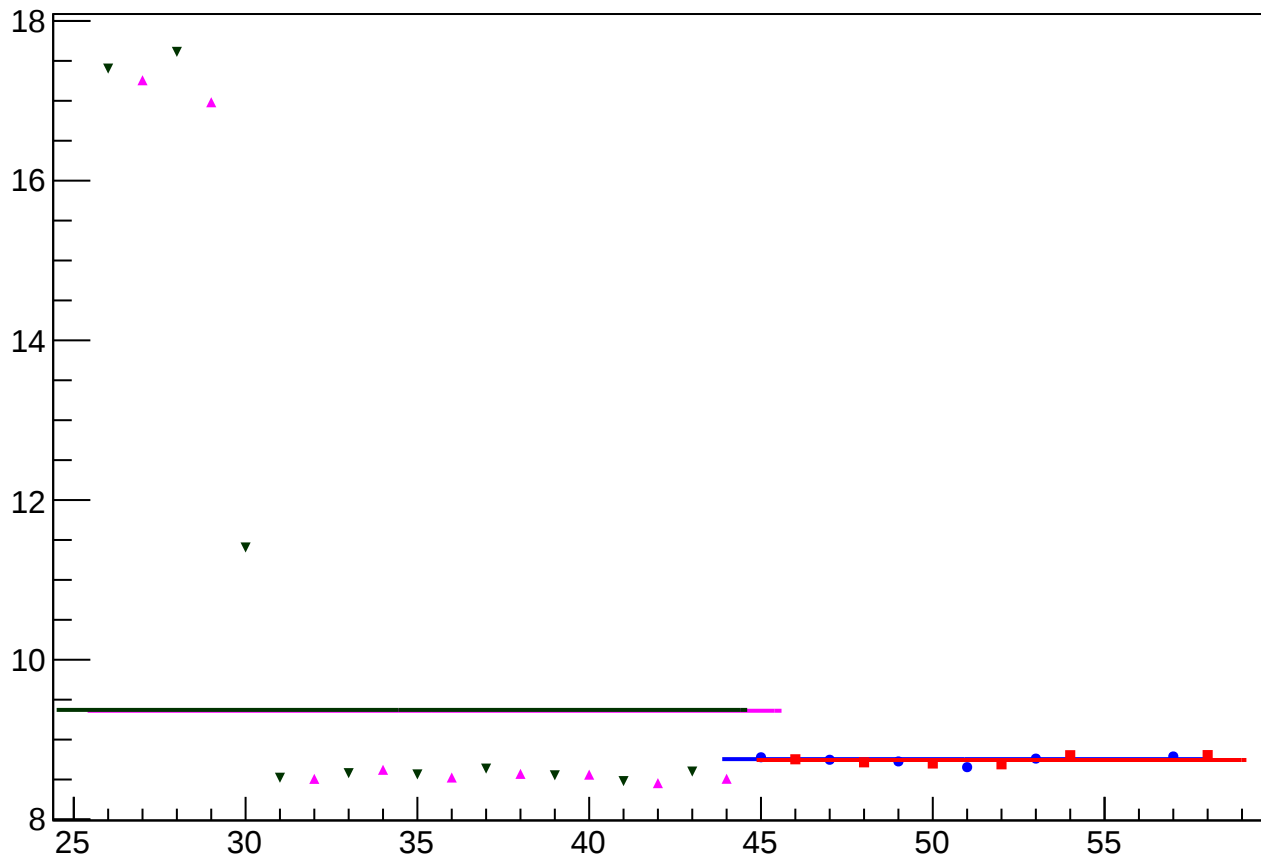
Right Out: -0.000 ± 0.005 χ^2/NDF : 5.6/5

Left In: -0.003 ± 0.004 χ^2/NDF : 1.2/8

0.001 ± 0.003 χ^2/NDF : 13.2/15

-0.002 ± 0.003 χ^2/NDF : 7.0/14

diff_cav4dX_rms vs slug



Right In: 8.755 $\pm$ 0.004 χ^2 /NDF: 57.2/5

Left Out: 9.372 $\pm$ 0.003 χ^2 /NDF: 589618.0/9

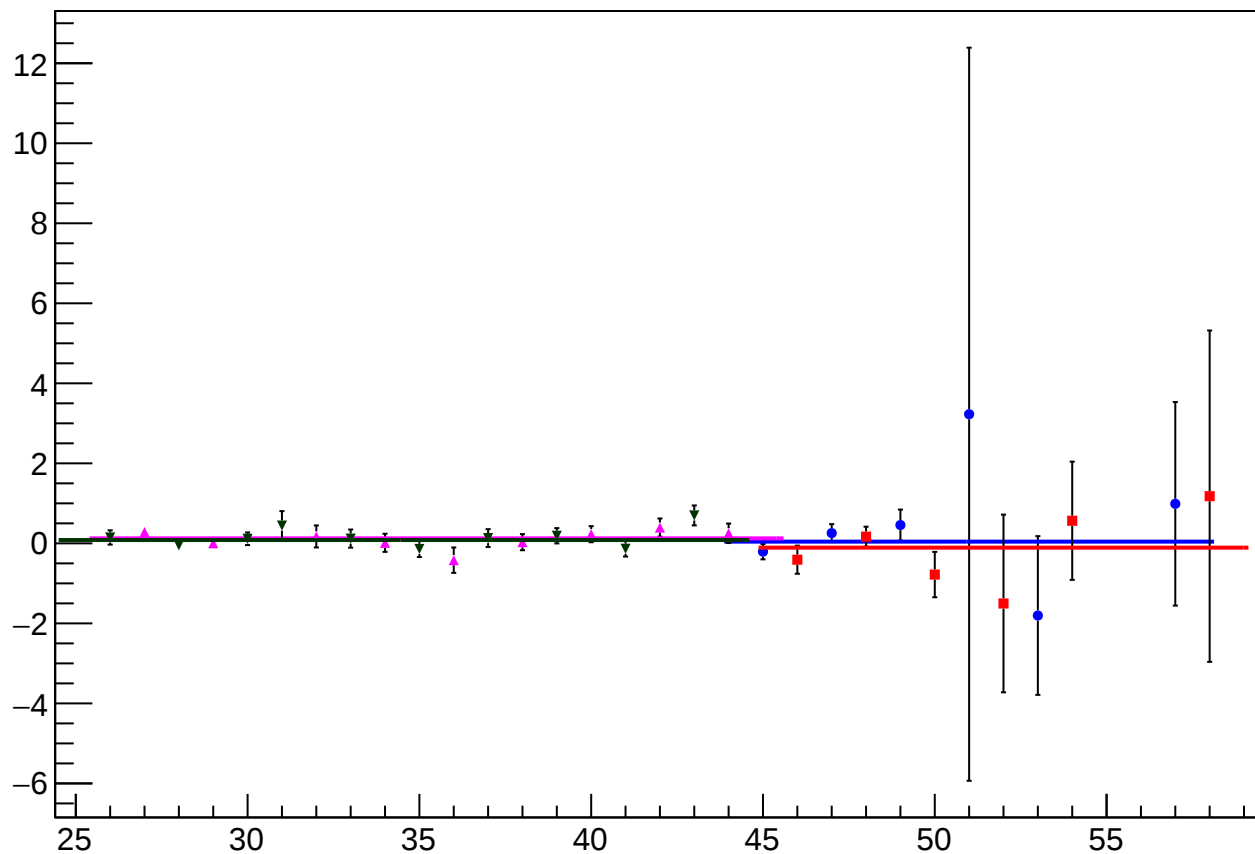
9.115 $\pm$ 0.002 χ^2 /NDF: 606725.5/15

Right Out: 8.744 $\pm$ 0.004 χ^2 /NDF: 173.2/5

9.119 $\pm$ 0.002 χ^2 /NDF: 773074.1/14

Left In: 9.361 $\pm$ 0.003 χ^2 /NDF: 755360.8/8

diff_cav4dY_mean vs slug



Right In: 0.043 ± 0.136 $\chi^2/\text{NDF}: 4.9/5$

Left Out: 0.083 ± 0.059 $\chi^2/\text{NDF}: 11.3/9$

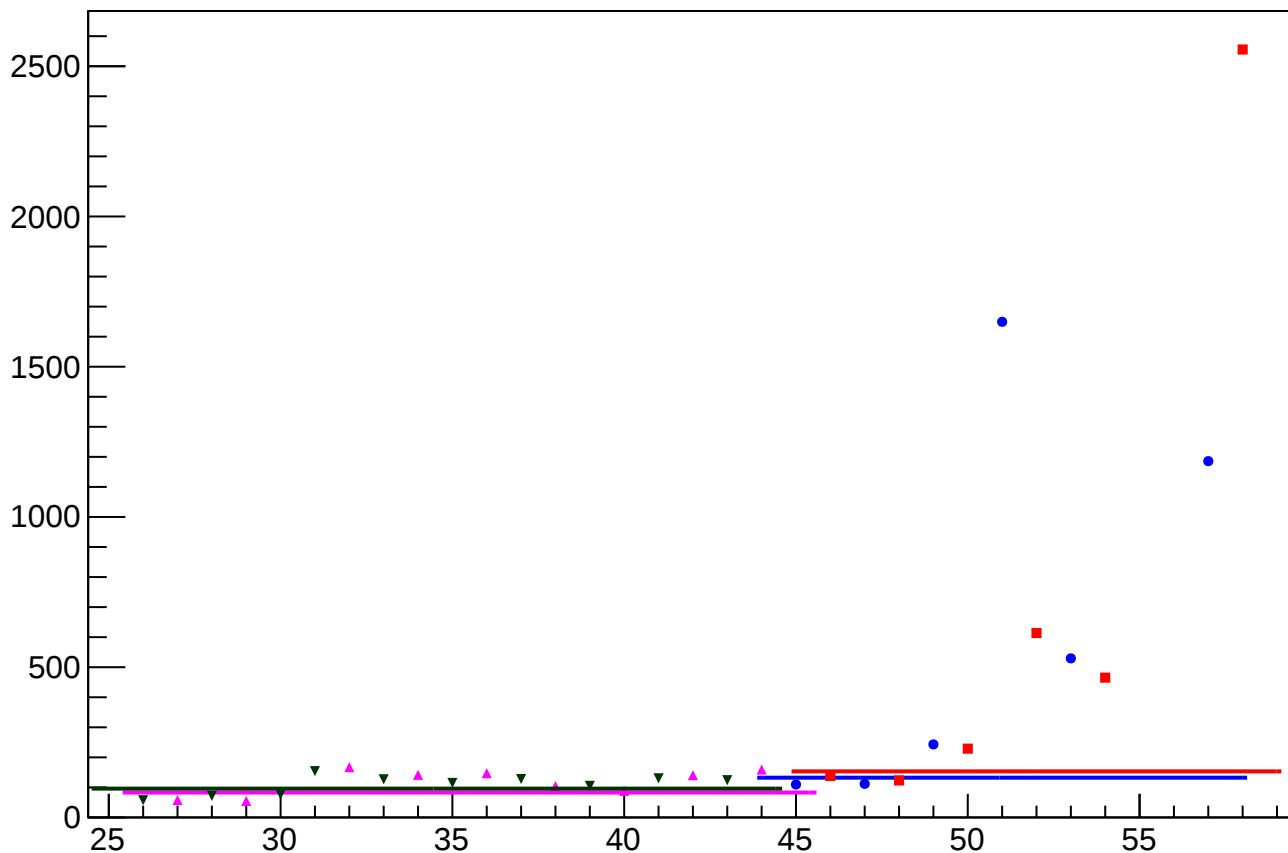
Right Out: -0.107 ± 0.189 $\chi^2/\text{NDF}: 4.1/5$

Left In: 0.125 ± 0.053 $\chi^2/\text{NDF}: 9.7/8$

0.077 ± 0.054 $\chi^2/\text{NDF}: 16.3/15$

0.108 ± 0.051 $\chi^2/\text{NDF}: 15.2/14$

diff_cav4dY_rms vs slug



Right In: 132.321+/-0.096 χ^2/NDF : 686540.5/5

Left Out: 95.985+/-0.042 χ^2/NDF : 447225.2/9

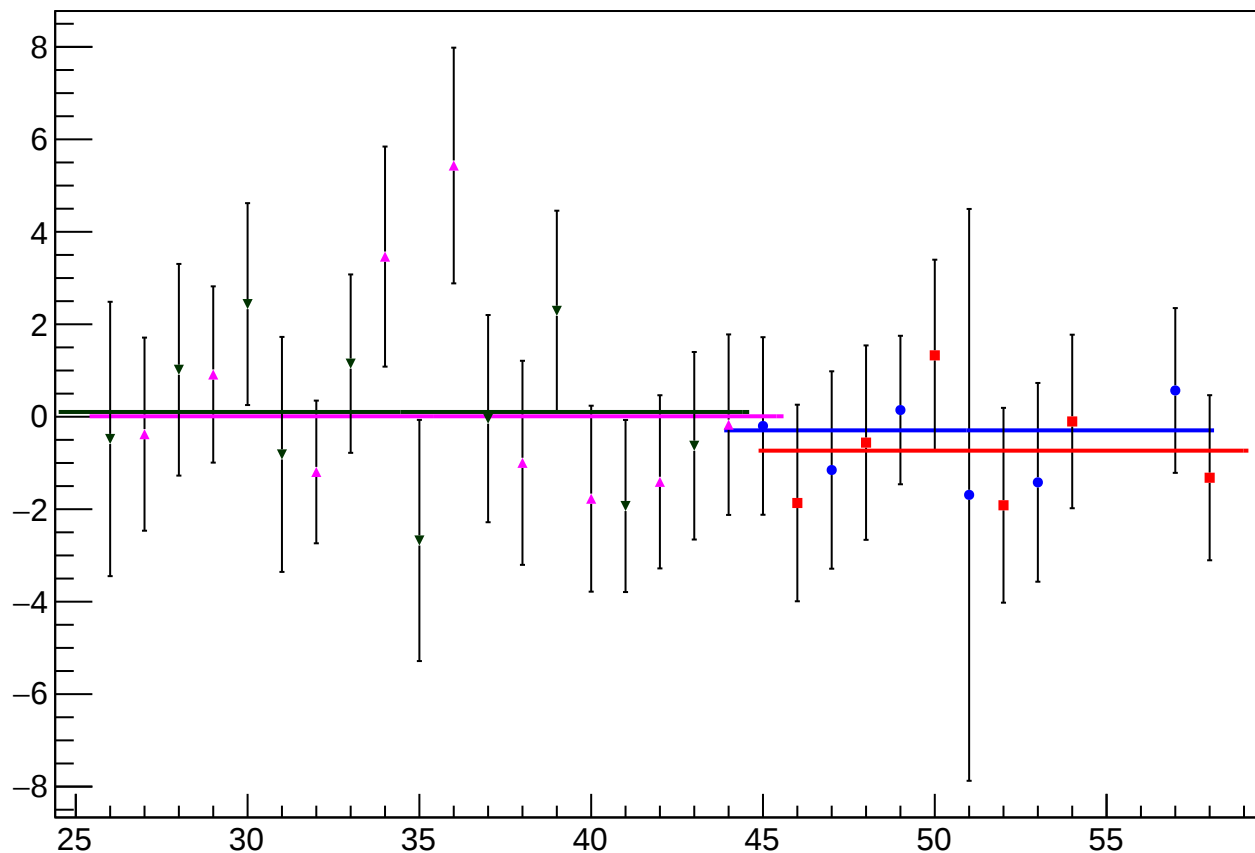
Right Out: 153.402+/-0.133 χ^2/NDF : 917000.5/5

Left In: 82.933+/-0.038 χ^2/NDF : 1079060.0/8

101.773+/-0.038 χ^2/NDF : 1253586.9/15

88.130+/-0.036 χ^2/NDF : 2254300.1/14

diff_bpm4aX_mean vs slug



Right In: -0.294 ± 0.835 χ^2/NDF : 0.8/5

Left Out: 0.103 ± 0.702 χ^2/NDF : 5.2/9

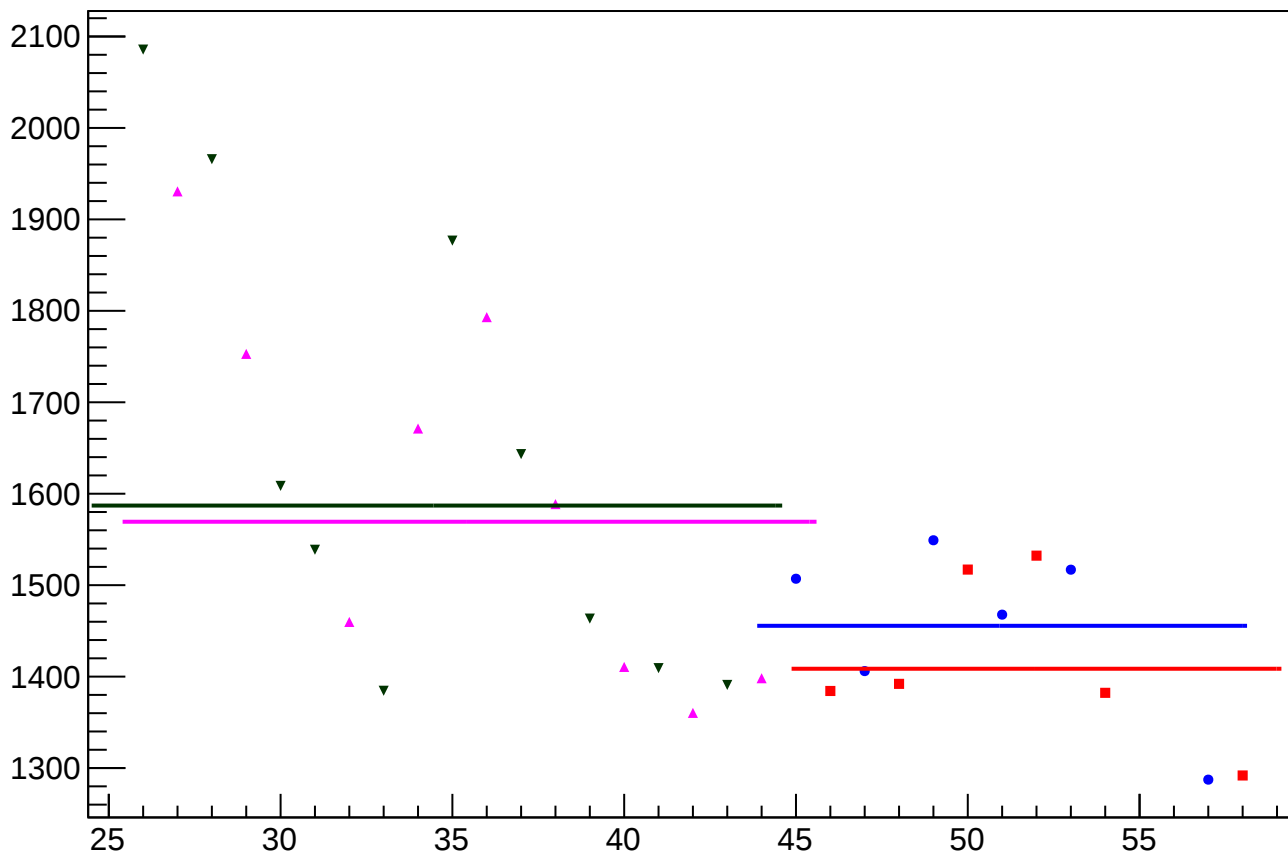
Right Out: -0.734 ± 0.815 χ^2/NDF : 1.8/5

Left In: 0.010 ± 0.666 χ^2/NDF : 9.1/8

-0.062 ± 0.537 χ^2/NDF : 6.2/15

-0.288 ± 0.516 χ^2/NDF : 11.4/14

diff_bpm4aX_rms vs slug



Right In: 1455.560+/-0.590 χ^2/NDF : 28761.4/5

Left Out: 1587.052+/-0.496 χ^2/NDF : 203584.7/9

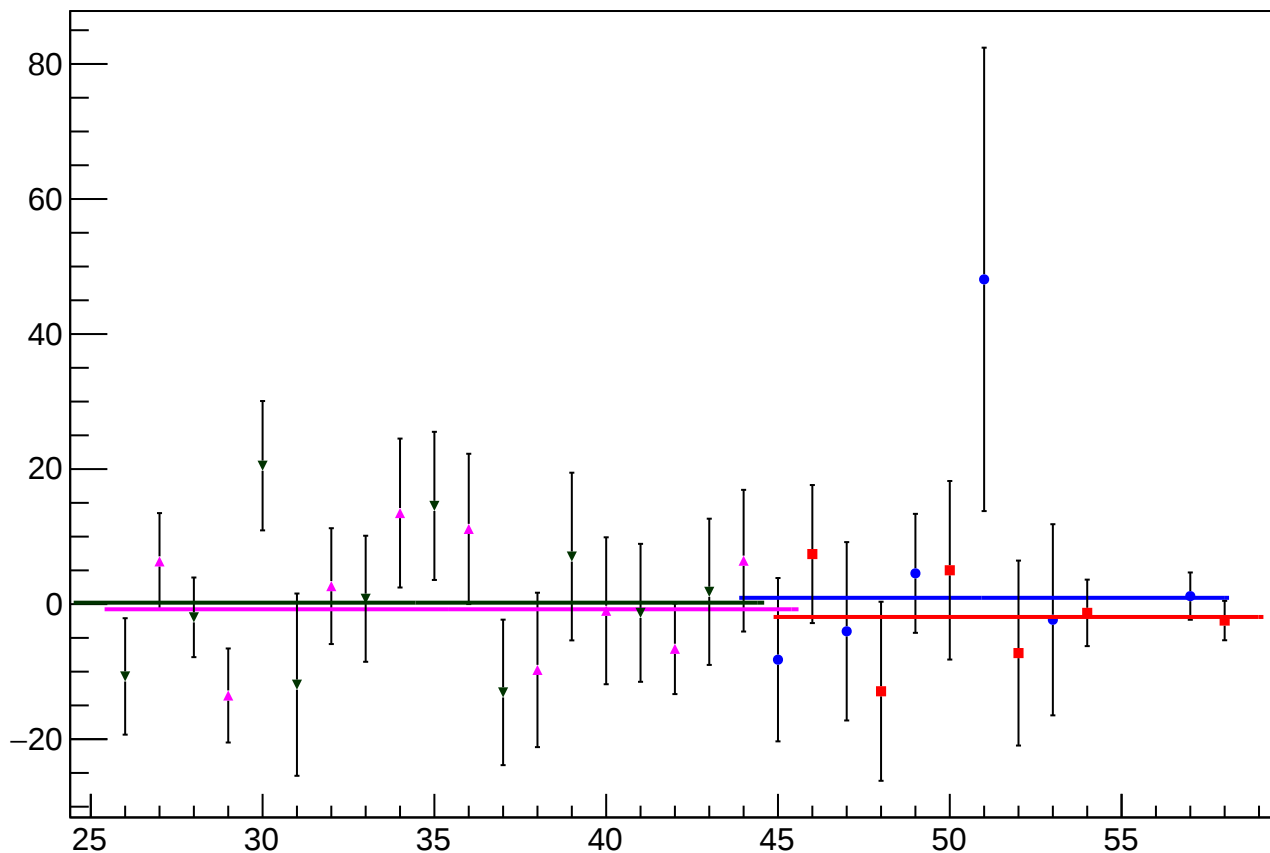
Right Out: 1408.600+/-0.577 χ^2/NDF : 21709.8/5

Left In: 1569.361+/-0.471 χ^2/NDF : 160439.4/8

1532.556+/-0.380 χ^2/NDF : 261417.8/15

1505.036+/-0.365 χ^2/NDF : 228778.7/14

diff_bpm4aY_mean vs slug



Right In: 0.936 ± 2.977 χ^2/NDF : 2.8/5

Left Out: 0.216 ± 2.994 χ^2/NDF : 10.6/9

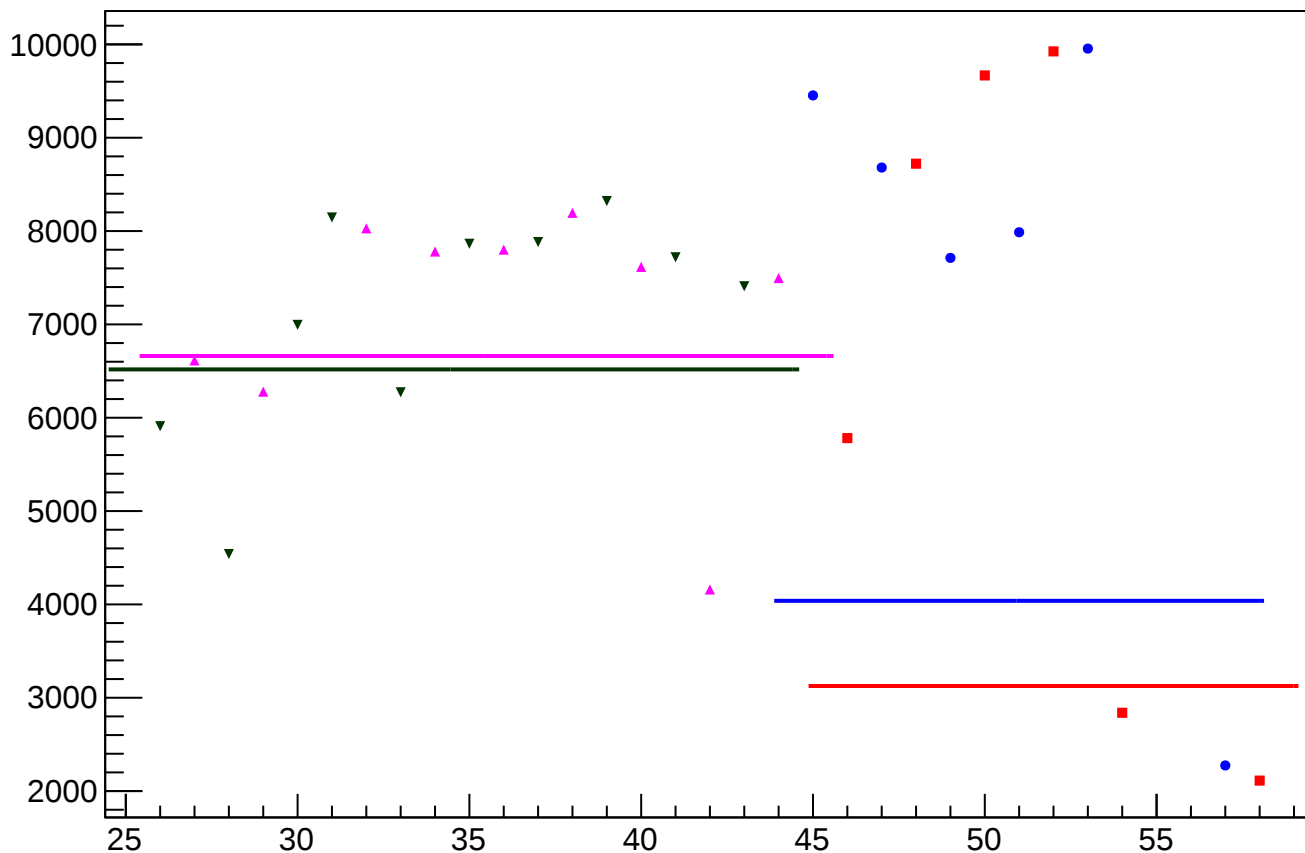
Right Out: -1.900 ± 2.325 χ^2/NDF : 2.0/5

Left In: -0.763 ± 2.918 χ^2/NDF : 9.2/8

0.578 ± 2.111 χ^2/NDF : 13.5/15

-1.459 ± 1.818 χ^2/NDF : 11.3/14

diff_bpm4aY_rms vs slug



Right In: 4038.331+/-2.105 χ^2/NDF : 1878947.5/5

Left Out: 6517.791+/-2.117 χ^2/NDF :416045.1/9

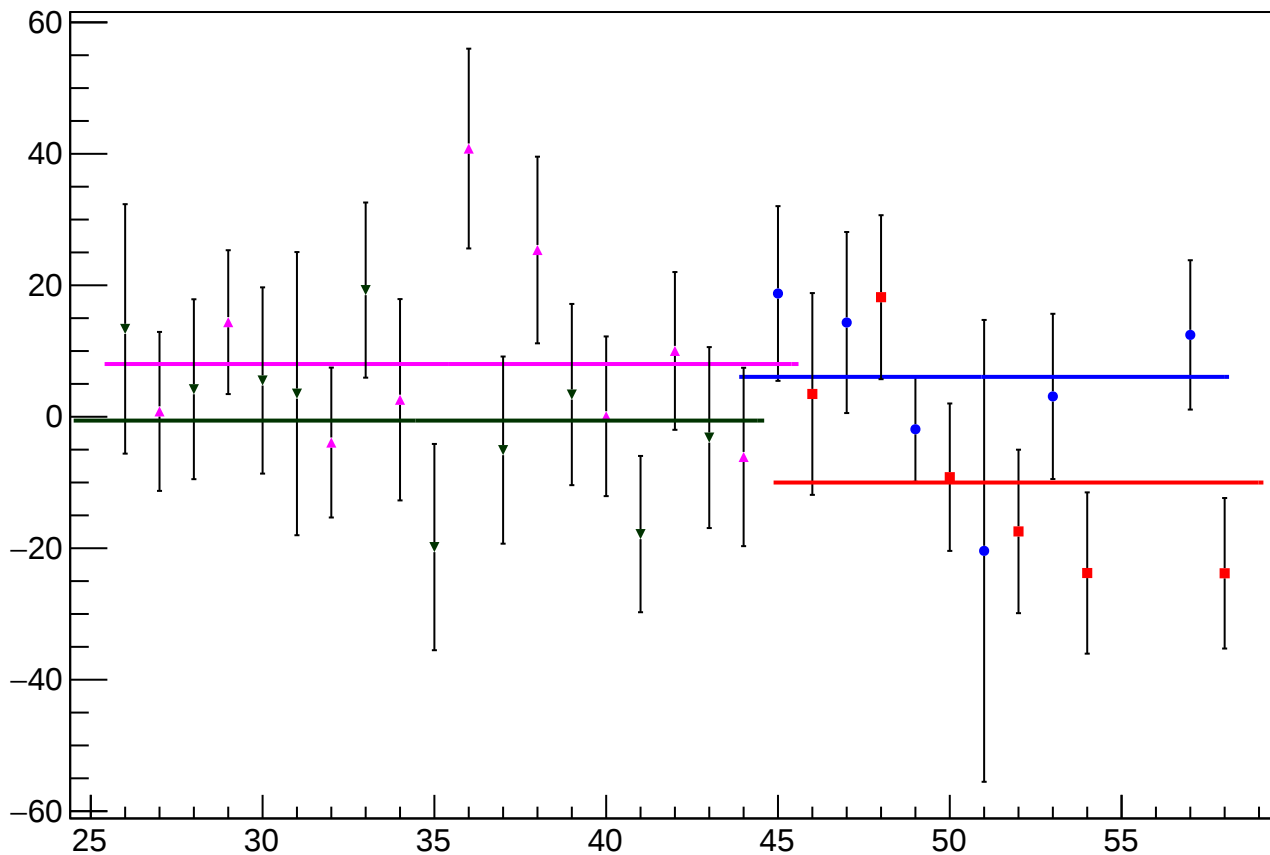
Right Out: 3125.733+/-1.644 χ^2/NDF : 1721896.5/5

Left In: 6661.299+/-2.063 χ^2/NDF :440651.7/8

5271.098+/-1.493 χ^2/NDF : 2984881.2/15

4498.359+/-1.286 χ^2/NDF : 3958631.5/14

diff_bpm4eX_mean vs slug



Right In: 6.069 ± 4.911 χ^2/NDF : 3.2/5

Left Out: -0.581 ± 4.588 χ^2/NDF : 6.9/9

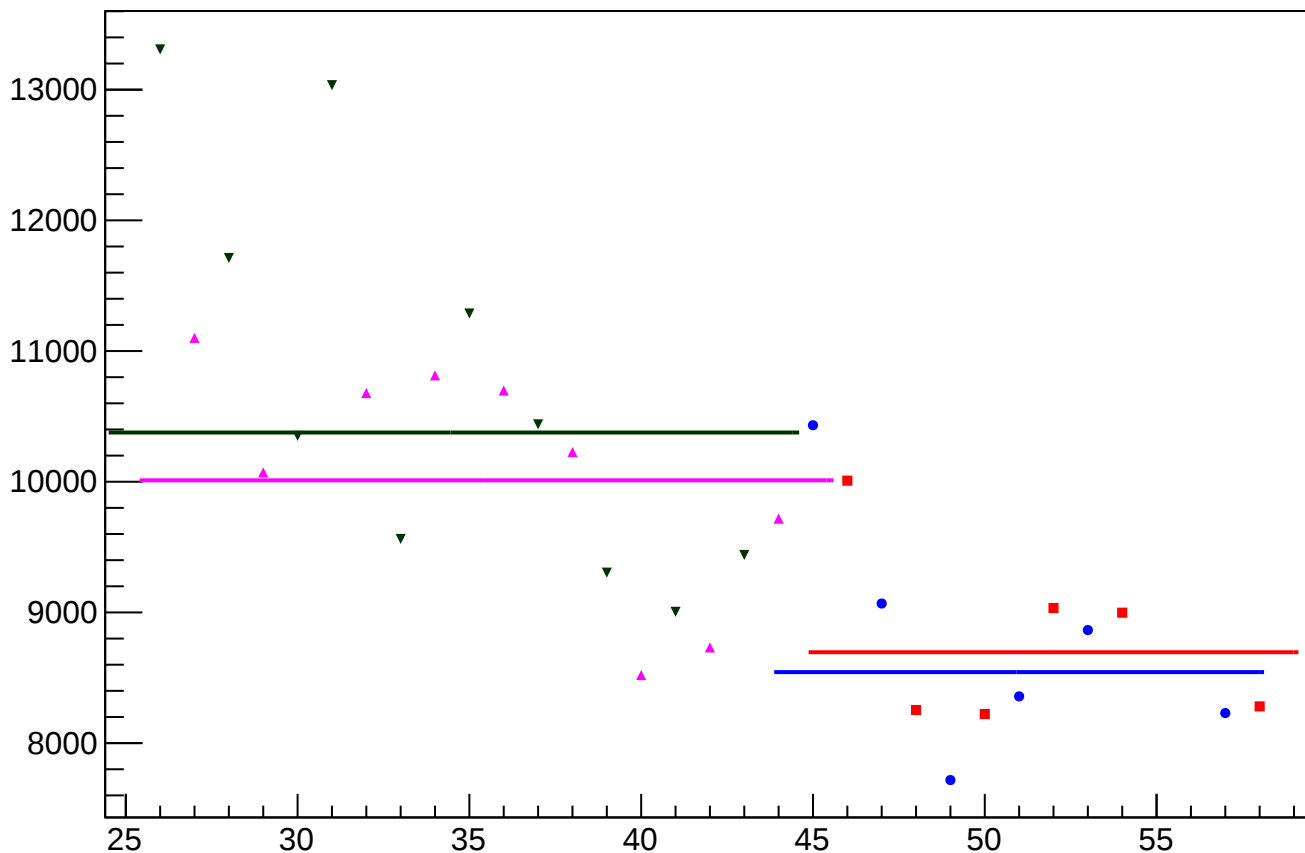
Right Out: -10.005 ± 5.040 χ^2/NDF : 9.0/5

Left In: 8.023 ± 4.241 χ^2/NDF : 9.6/8

2.518 ± 3.353 χ^2/NDF : 11.1/15

0.550 ± 3.245 χ^2/NDF : 26.1/14

diff_bpm4eX_rms vs slug



Right In: 8543.405+/-3.473 χ^2/NDF : 67534.6/5

Left Out: 10376.591+/-3.244 χ^2/NDF :159508.6/9

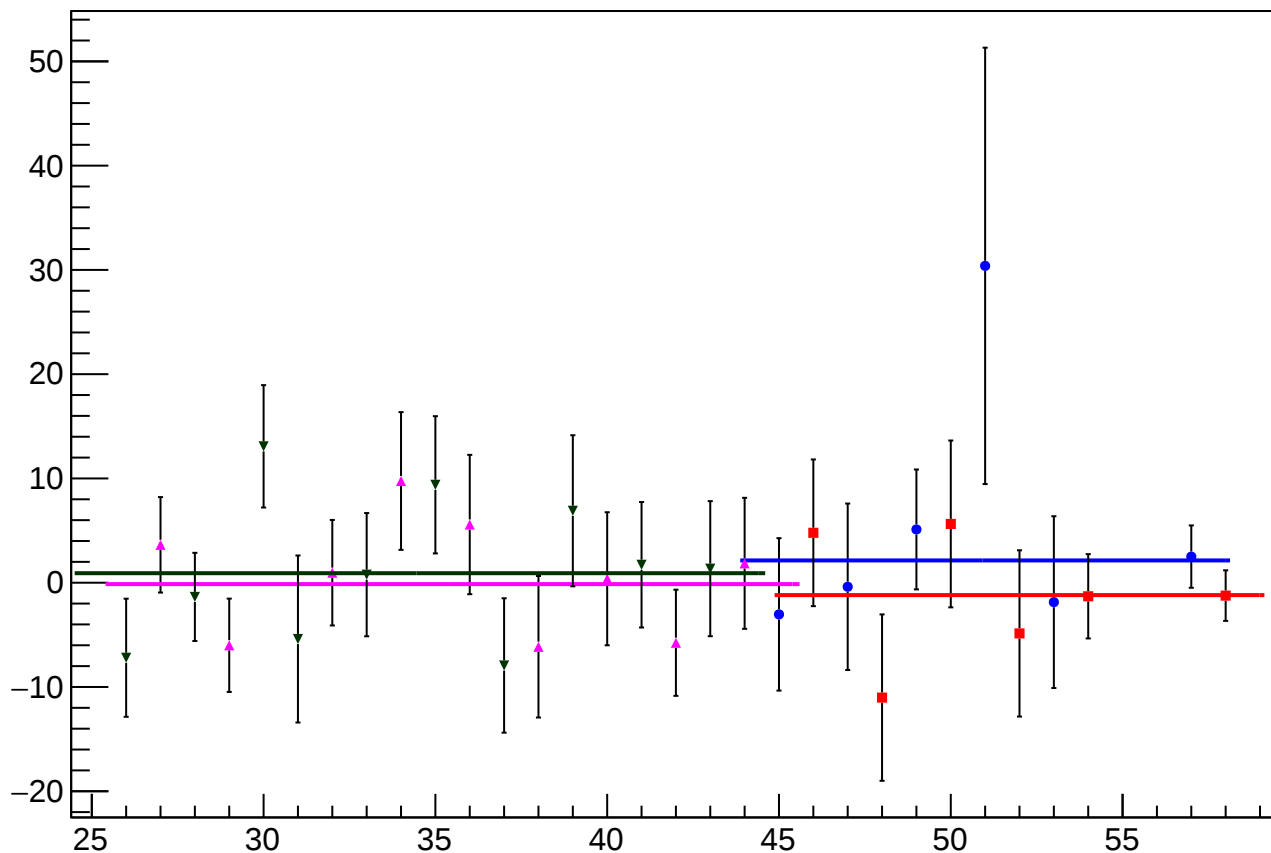
9522.242+/-2.371 χ^2/NDF : 375848.4/15

Right Out: 8695.573+/-3.564 χ^2/NDF : 26014.7/5

9465.605+/-2.295 χ^2/NDF : 192729.0/14

Left In: 10010.873+/-2.999 χ^2/NDF :86966.6/8

diff_bpm4eY_mean vs slug



Right In: 2.137 ± 2.273 $\chi^2/\text{NDF}: 2.9/5$

Left Out: 0.913 ± 1.896 $\chi^2/\text{NDF}: 11.5/9$

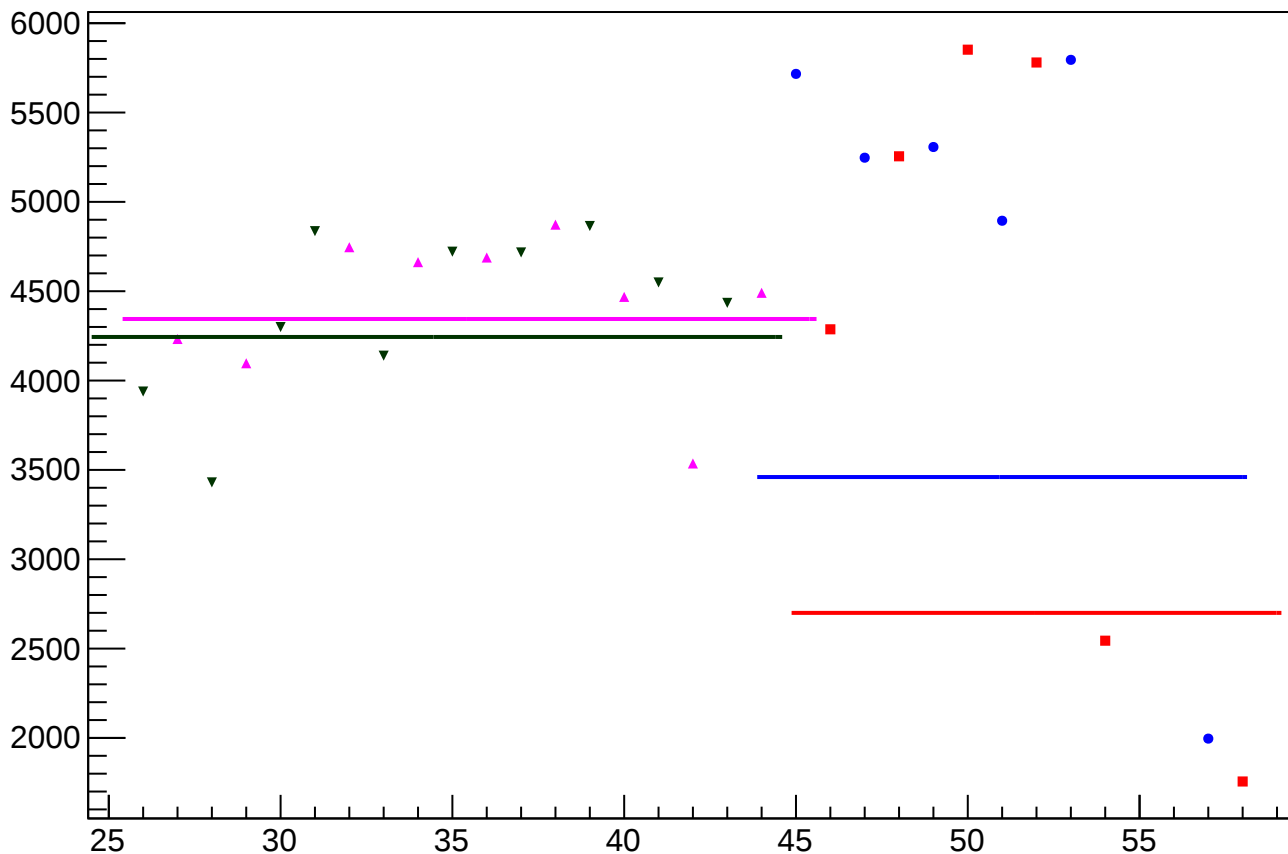
Right Out: -1.188 ± 1.831 $\chi^2/\text{NDF}: 3.2/5$

Left In: -0.134 ± 1.850 $\chi^2/\text{NDF}: 7.5/8$

1.416 ± 1.456 $\chi^2/\text{NDF}: 14.6/15$

-0.667 ± 1.301 $\chi^2/\text{NDF}: 10.9/14$

diff_bpm4eY_rms vs slug



Right In: 3460.083+/-1.607 χ^2/NDF : 1146813.1/5

Left Out: 4243.997+/-1.341 χ^2/NDF :134537.2/9

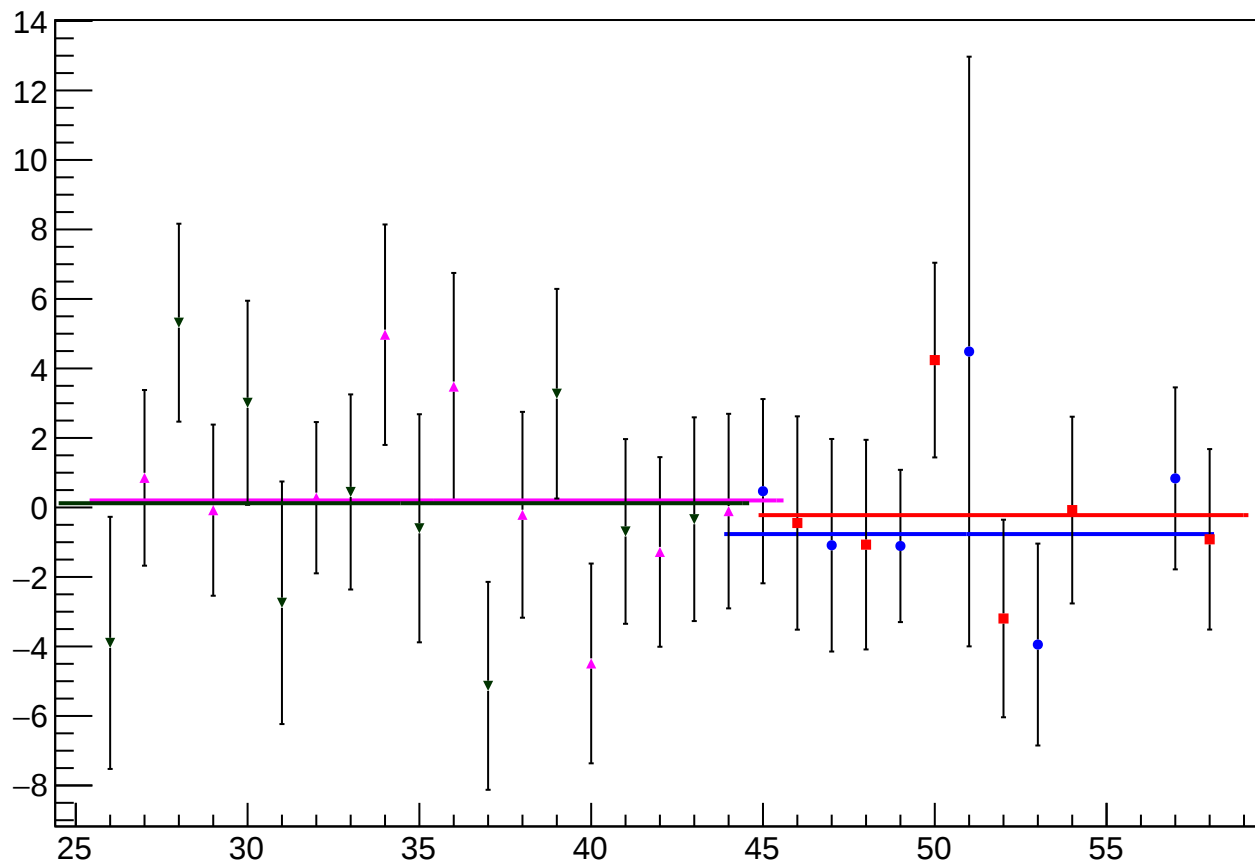
Right Out: 2699.854+/-1.294 χ^2/NDF : 1221292.8/5

Left In: 4344.593+/-1.308 χ^2/NDF :94267.5/8

3922.229+/-1.030 χ^2/NDF : 1421614.8/15

3513.647+/-0.920 χ^2/NDF : 2114357.4/14

diff_bpm4acX_mean vs slug



Right In: -0.766 ± 1.166 χ^2/NDF : 2.2/5

Left Out: 0.122 ± 0.955 χ^2/NDF : 10.6/9

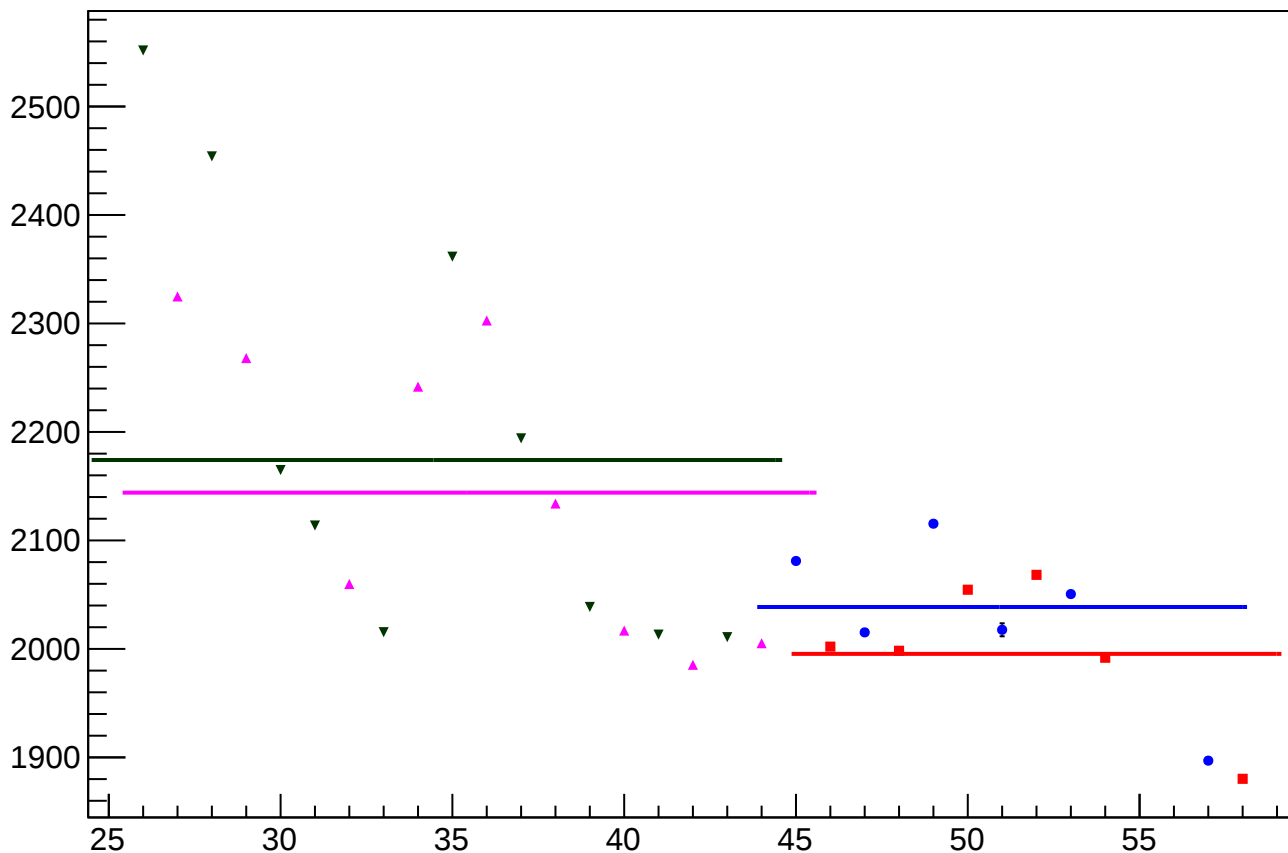
Right Out: -0.221 ± 1.152 χ^2/NDF : 3.8/5

Left In: 0.202 ± 0.904 χ^2/NDF : 6.3/8

-0.235 ± 0.739 χ^2/NDF : 13.1/15

0.040 ± 0.711 χ^2/NDF : 10.2/14

diff_bpm4acX_rms vs slug



Right In: 2038.638 $\pm$ 0.824 χ^2 /NDF: 8983.8/5

Left Out: 2174.130 $\pm$ 0.675 χ^2 /NDF: 72174.6/9

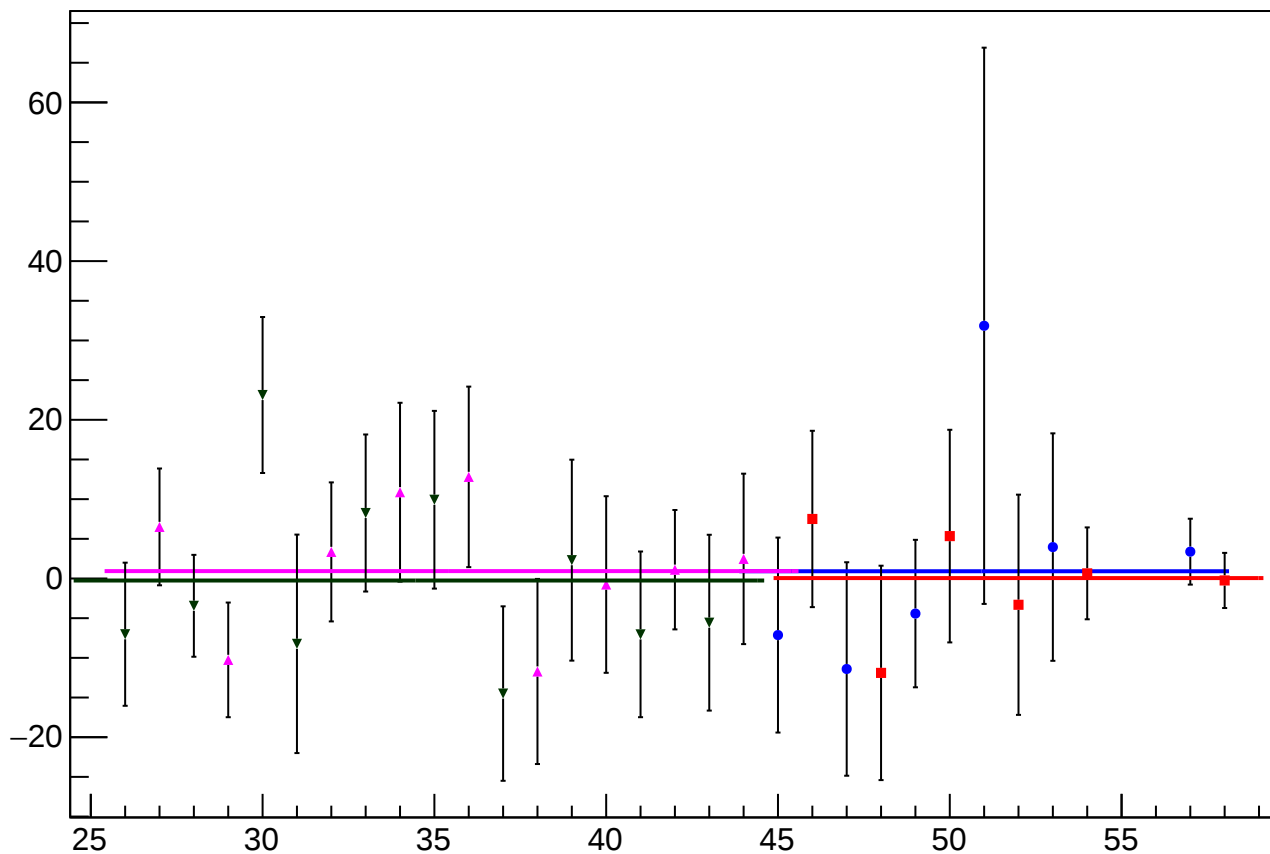
Right Out: 1995.436 $\pm$ 0.814 χ^2 /NDF: 6152.7/5

Left In: 2144.053 $\pm$ 0.640 χ^2 /NDF: 40538.6/8

2119.723 $\pm$ 0.522 χ^2 /NDF: 97326.2/15

2087.351 $\pm$ 0.503 χ^2 /NDF: 67292.6/14

diff_bpm4acY_mean vs slug



Right In: 0.915 ± 3.382 χ^2/NDF : 2.8/5

Left Out: -0.253 ± 3.128 χ^2/NDF : 10.7/9

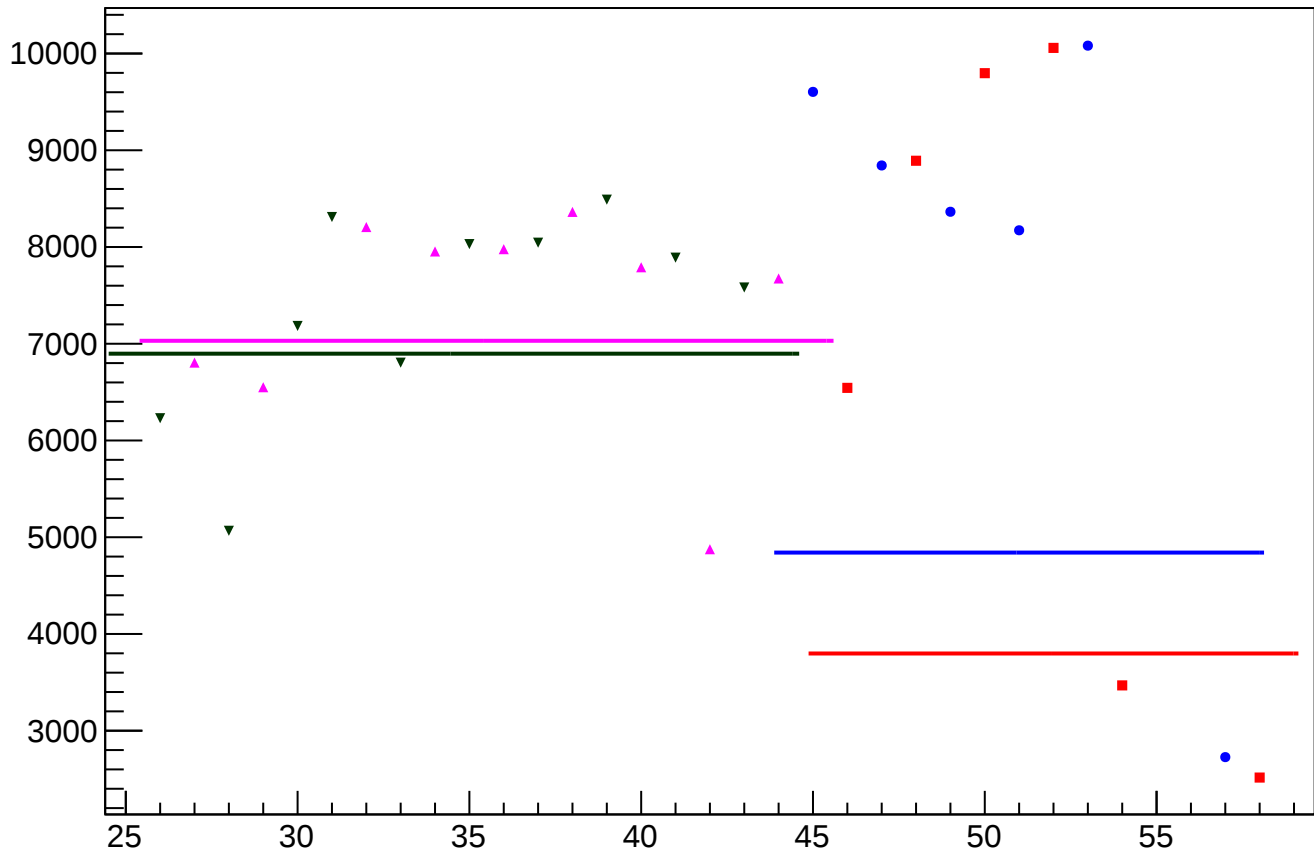
Right Out: 0.053 ± 2.702 χ^2/NDF : 1.5/5

Left In: 0.933 ± 3.043 χ^2/NDF : 6.1/8

0.286 ± 2.296 χ^2/NDF : 13.6/15

0.441 ± 2.020 χ^2/NDF : 7.6/14

diff_bpm4acY_rms vs slug



Right In: 4841.329+/-2.391 χ^2/NDF : 1569035.6/5

Left Out: 6897.291+/-2.212 χ^2/NDF : 296077.9/9

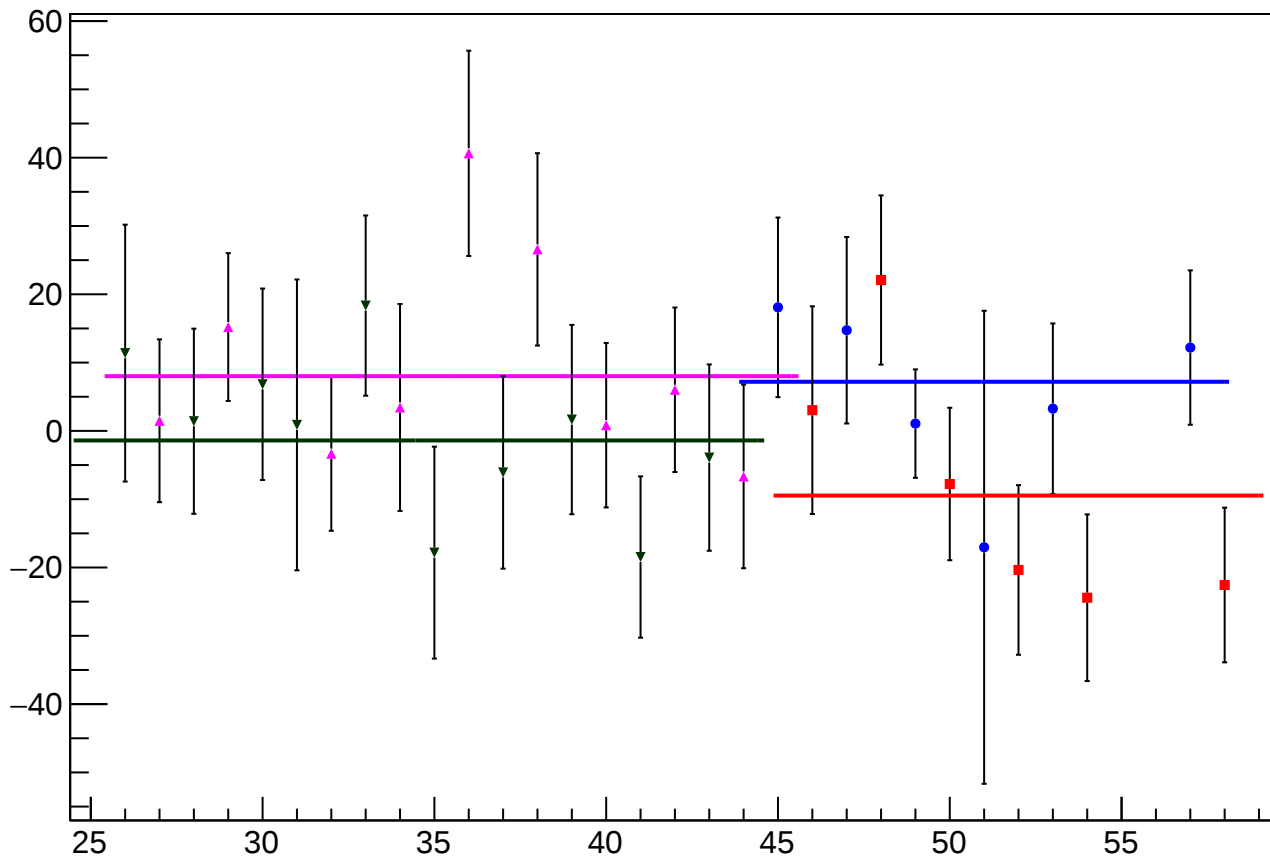
Right Out: 3798.165+/-1.910 χ^2/NDF : 1493283.8/5

Left In: 7030.553+/-2.152 χ^2/NDF : 280714.3/8

5949.347+/-1.624 χ^2/NDF : 2263469.4/15

5223.077+/-1.429 χ^2/NDF : 3036101.6/14

diff_bpm4ecX_mean vs slug



Right In: 7.193 ± 4.873 χ^2/NDF : 2.4/5

Left Out: -1.399 ± 4.552 χ^2/NDF : 6.5/9

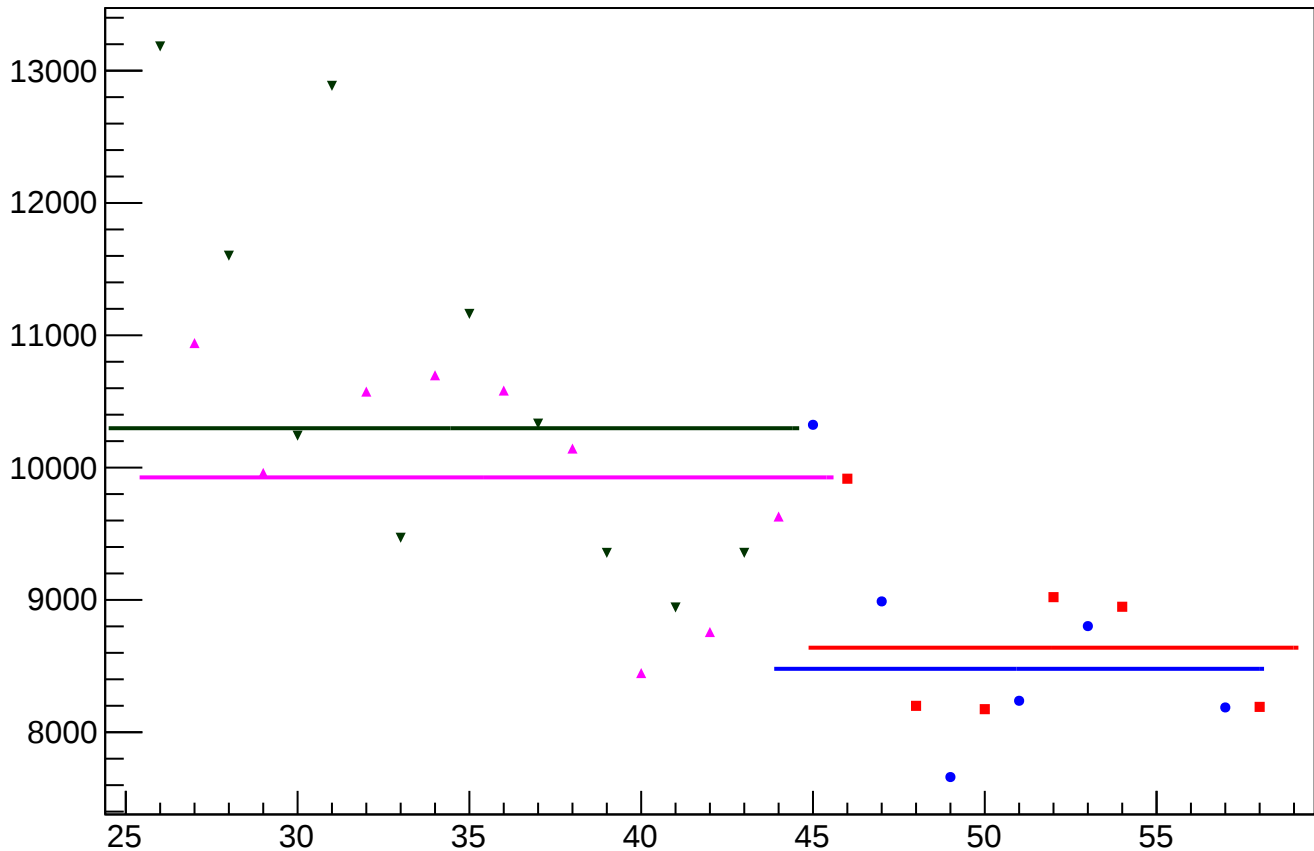
Right Out: -9.467 ± 5.008 χ^2/NDF : 10.8/5

Left In: 8.013 ± 4.204 χ^2/NDF : 9.9/8

2.604 ± 3.327 χ^2/NDF : 10.5/15

0.787 ± 3.220 χ^2/NDF : 27.8/14

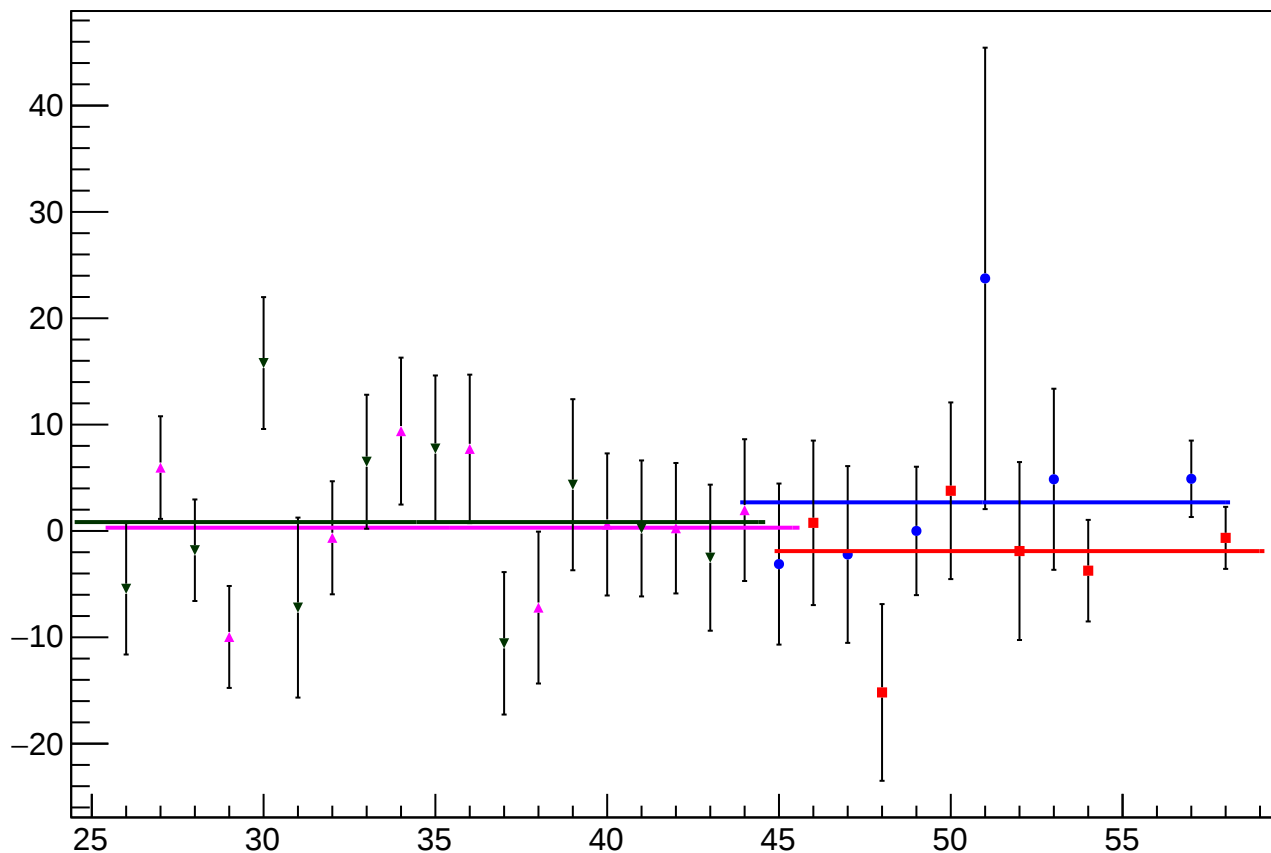
diff_bpm4ecX_rms vs slug



Right In: 8479.262+/-3.446 χ^2/NDF : 66129.0/5
 Left Out: 10297.699+/-3.219 χ^2/NDF : 154377.9/9
 Right Out: 8638.904+/-3.541 χ^2/NDF : 26390.6/5
 Left In: 9926.075+/-2.973 χ^2/NDF : 80597.8/8

9450.411+/-2.352 χ^2/NDF : 369216.0/15
 9394.005+/-2.277 χ^2/NDF : 184487.8/14

diff_bpm4ecY_mean vs slug



Right In: 2.691 ± 2.559 χ^2/NDF : 2.5/5

Left Out: 0.835 ± 2.042 χ^2/NDF : 13.2/9

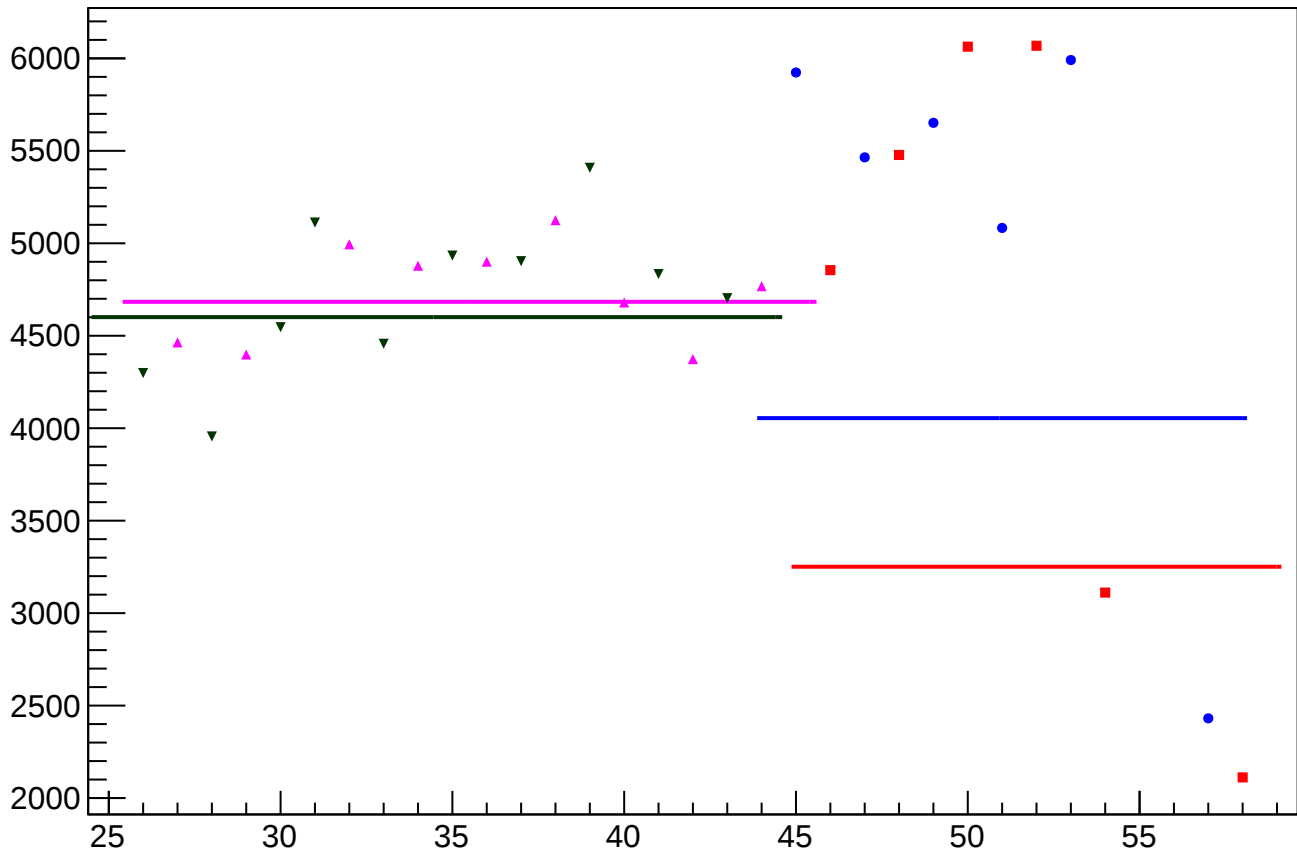
Right Out: -1.895 ± 2.125 χ^2/NDF : 3.5/5

Left In: 0.306 ± 1.982 χ^2/NDF : 10.0/8

1.557 ± 1.596 χ^2/NDF : 16.1/15

-0.718 ± 1.450 χ^2/NDF : 14.1/14

diff_bpm4ecY_rms vs slug



Right In: 4054.574+/-1.809 χ^2/NDF : 835547.2/5

Left Out: 4600.808+/-1.444 χ^2/NDF :81875.8/9

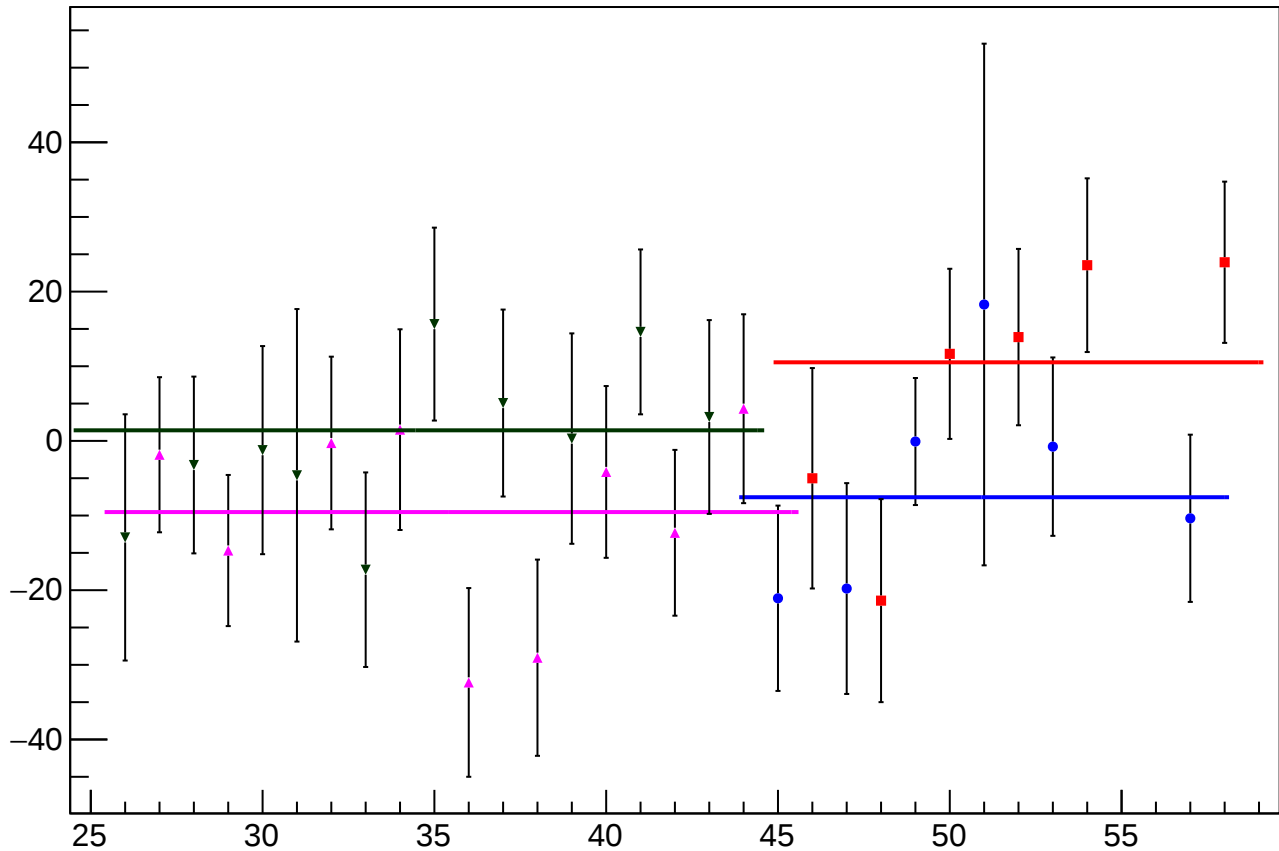
4388.297+/-1.129 χ^2/NDF : 973099.7/15

Right Out: 3250.934+/-1.503 χ^2/NDF : 992780.6/5

4016.972+/-1.025 χ^2/NDF : 1513359.7/14

Left In: 4683.543+/-1.402 χ^2/NDF :34622.6/8

diff_bpm1X_mean vs slug



Right In: -7.546 ± 4.932 $\chi^2/\text{NDF}: 3.6/5$

Left Out: 1.417 ± 4.249 $\chi^2/\text{NDF}: 5.8/9$

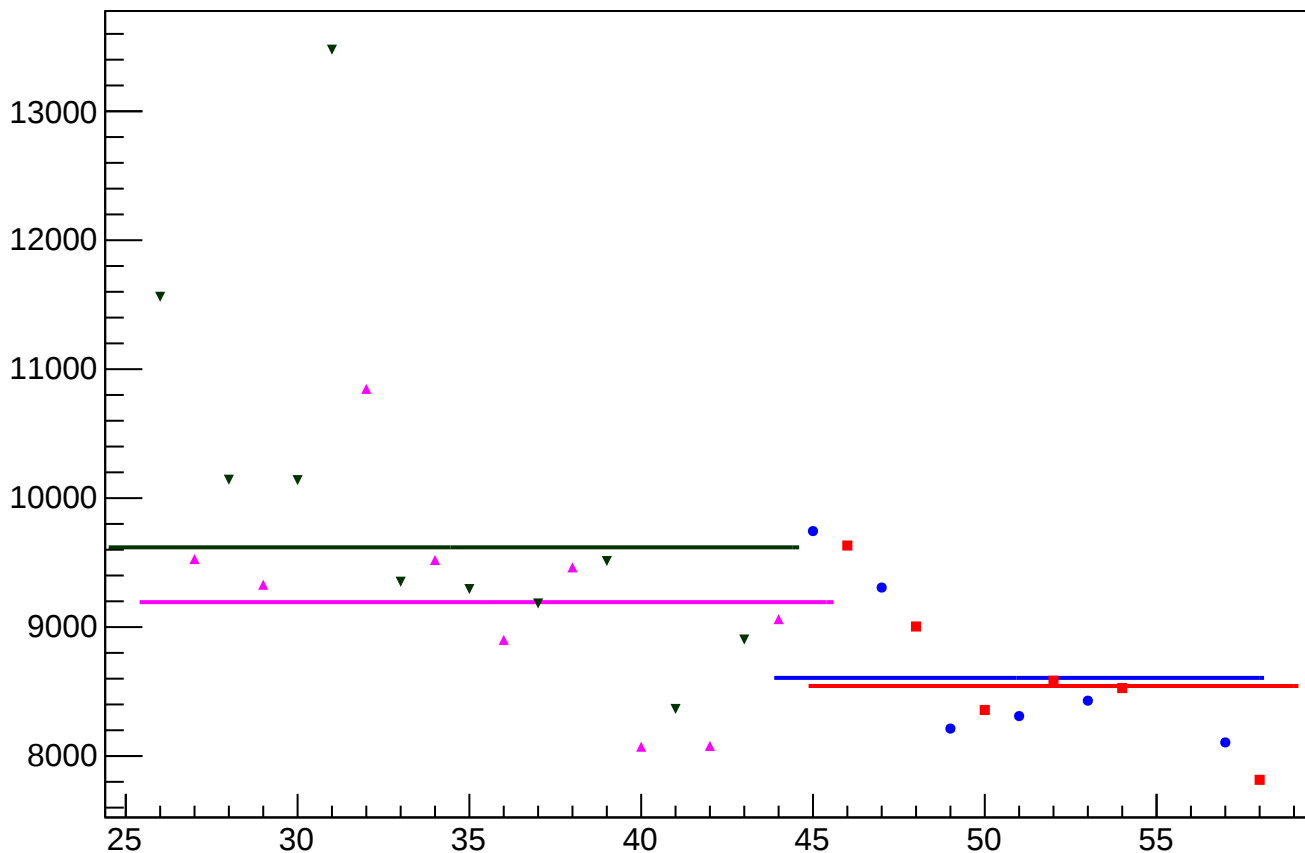
Right Out: 10.527 ± 4.950 $\chi^2/\text{NDF}: 9.5/5$

Left In: -9.535 ± 3.893 $\chi^2/\text{NDF}: 9.1/8$

-2.401 ± 3.219 $\chi^2/\text{NDF}: 11.4/15$

-1.867 ± 3.060 $\chi^2/\text{NDF}: 28.7/14$

diff_bpm1X_rms vs slug



Right In: 8606.137+/-3.488 χ^2/NDF : 30585.1/5

Left Out: 9618.418+/-3.005 χ^2/NDF :130935.9/9

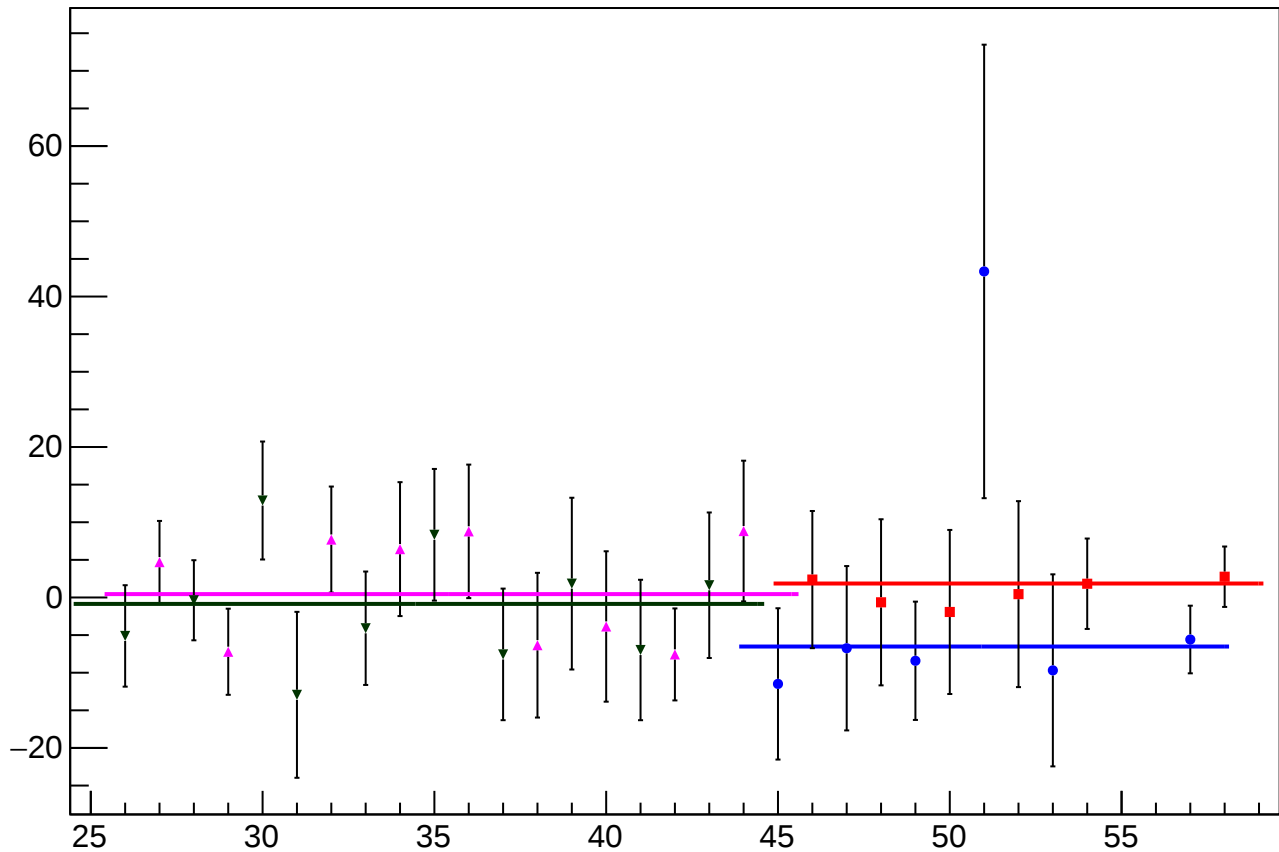
Right Out: 8543.215+/-3.500 χ^2/NDF : 22824.7/5

Left In: 9193.401+/-2.753 χ^2/NDF :85779.3/8

9187.186+/-2.276 χ^2/NDF : 209877.9/15

8944.900+/-2.164 χ^2/NDF : 129925.8/14

diff_bpm1Y_mean vs slug



Right In: -6.521+/-3.312 χ^2/NDF : 3.1/5

Left Out: -0.856+/-2.537 χ^2/NDF : 7.1/9

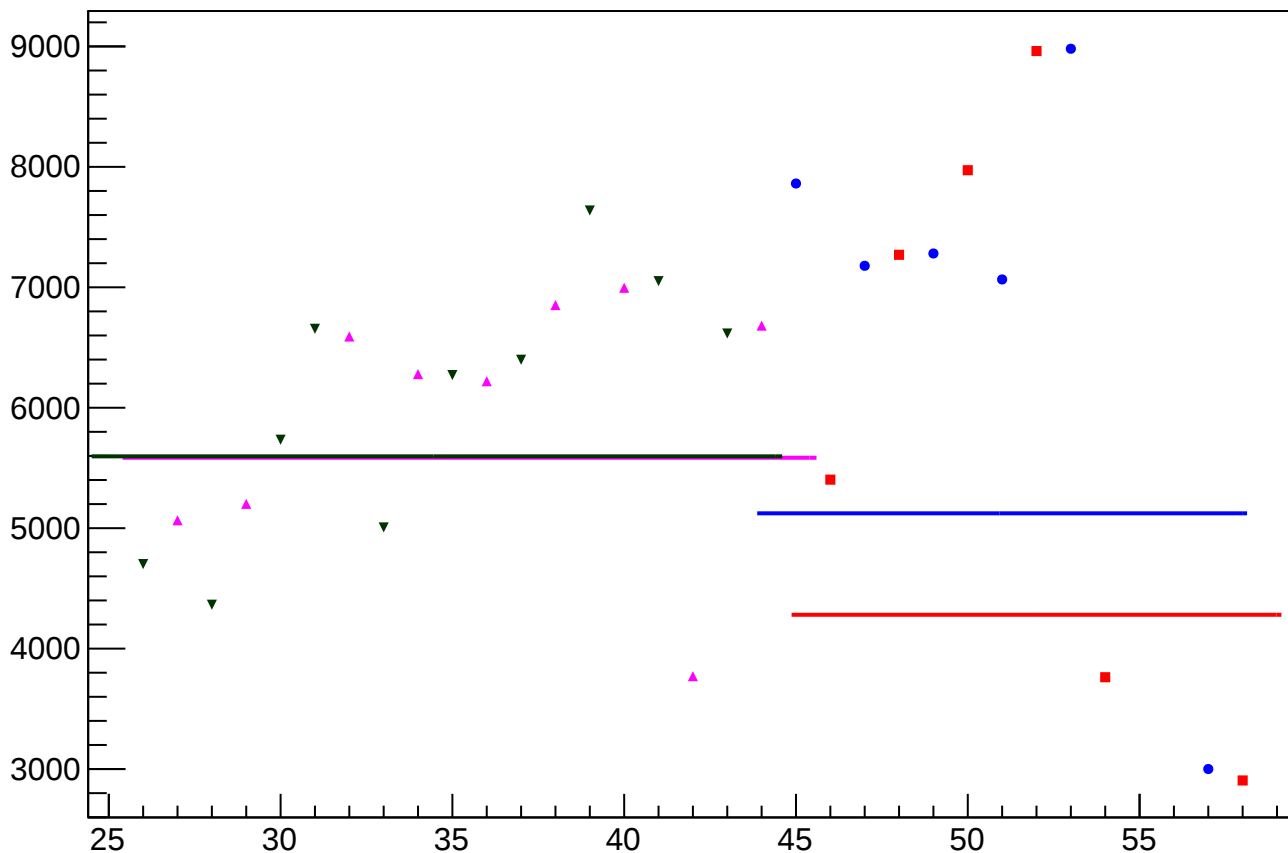
Right Out: 1.855+/-2.829 χ^2/NDF : 0.2/5

Left In: 0.448+/-2.437 χ^2/NDF : 8.0/8

-2.950+/-2.014 χ^2/NDF : 12.1/15

1.048+/-1.847 χ^2/NDF : 8.4/14

diff_bpm1Y_rms vs slug



Right In: 5123.325+/-2.342 χ^2/NDF : 1006593.1/5

Left Out: 5596.473+/-1.794 χ^2/NDF : 337129.9/9

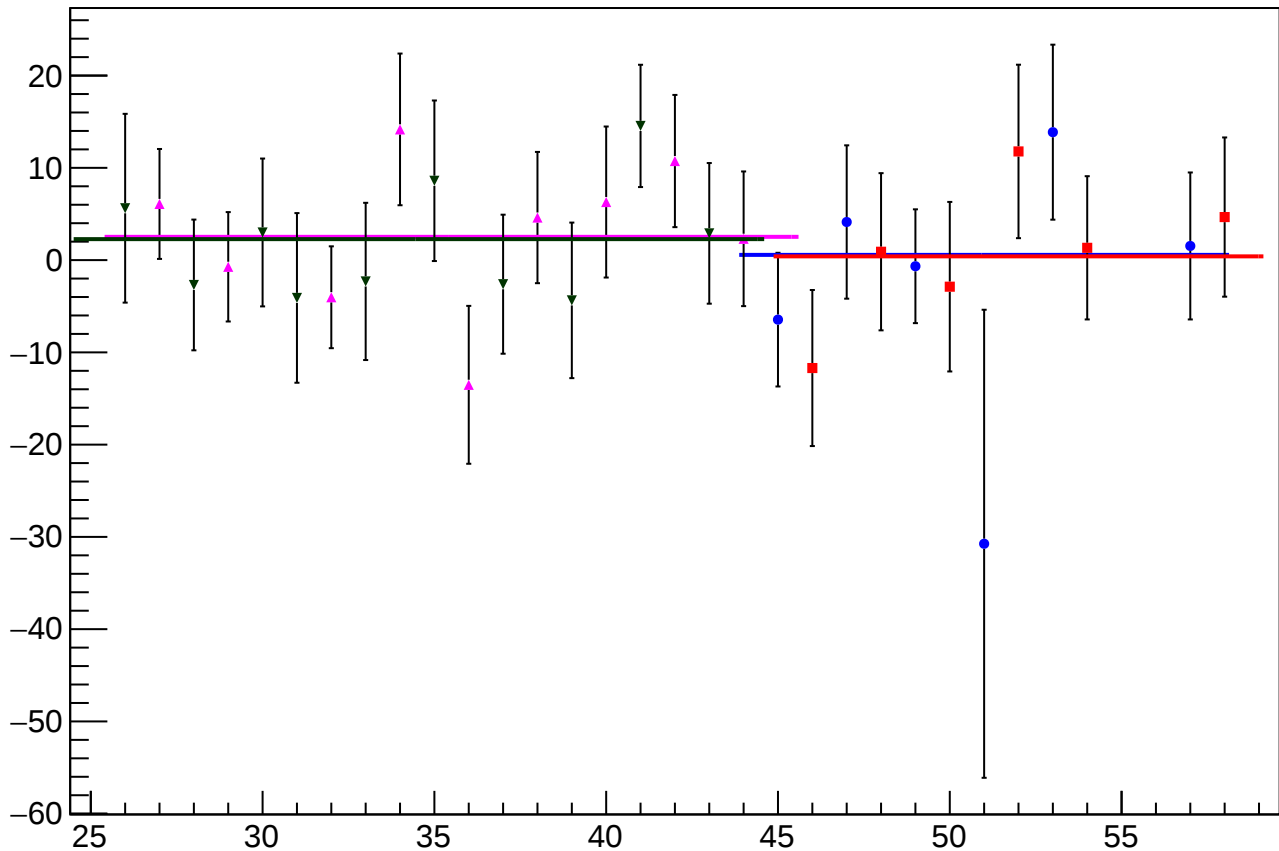
Right Out: 4280.970+/-2.000 χ^2/NDF : 942659.0/5

Left In: 5584.691+/-1.723 χ^2/NDF : 368292.2/8

5421.514+/-1.424 χ^2/NDF : 1369443.8/15

5029.301+/-1.306 χ^2/NDF : 1554734.3/14

diff_bpm11X_mean vs slug



Right In: 0.567 ± 3.366 χ^2/NDF : 4.7/5

Left Out: 2.274 ± 2.536 χ^2/NDF : 6.4/9

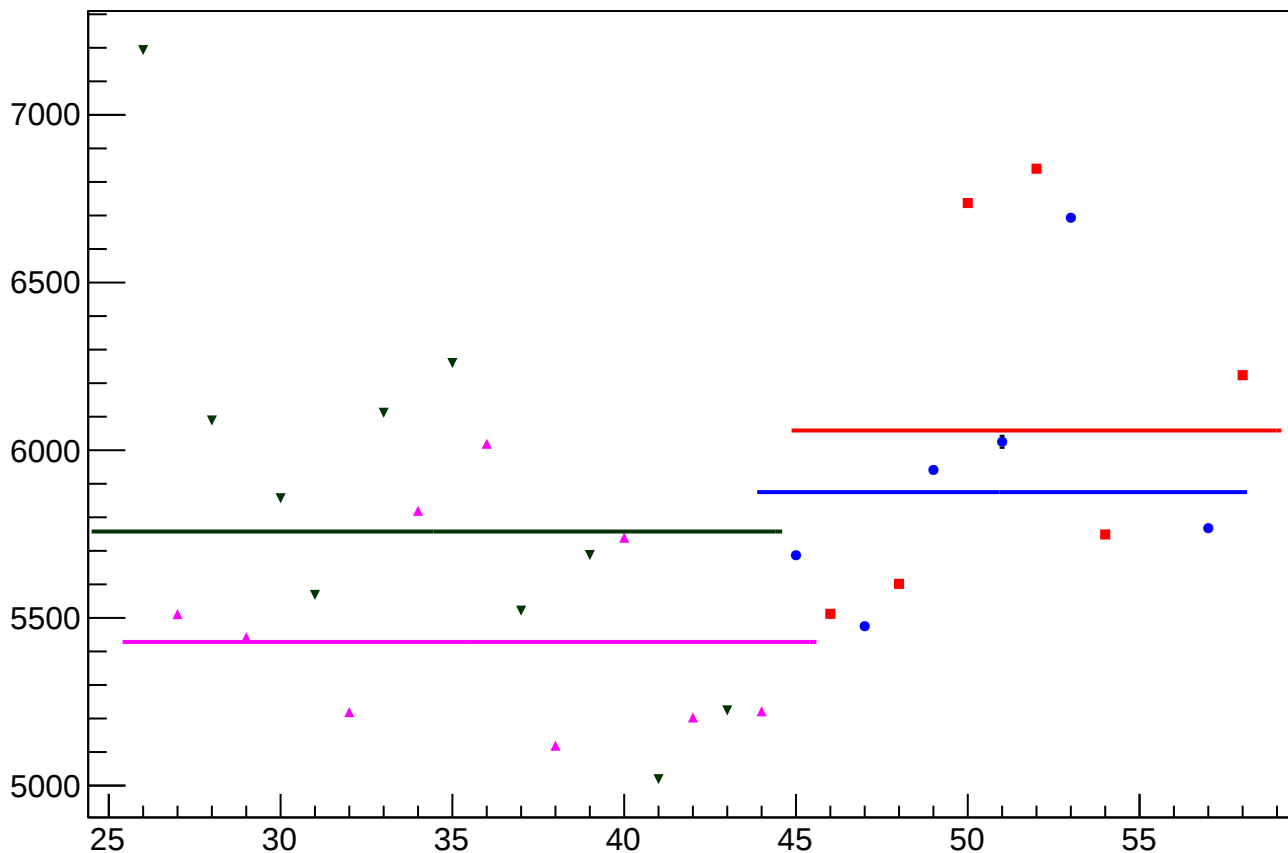
Right Out: 0.406 ± 3.515 χ^2/NDF : 3.9/5

Left In: 2.523 ± 2.289 χ^2/NDF : 9.2/8

1.656 ± 2.025 χ^2/NDF : 11.2/15

1.892 ± 1.918 χ^2/NDF : 13.4/14

diff_bpm11X_rms vs slug



Right In: 5875.099+/-2.380 χ^2/NDF : 21527.5/5

Left Out: 5757.593+/-1.793 χ^2/NDF : 91757.3/9

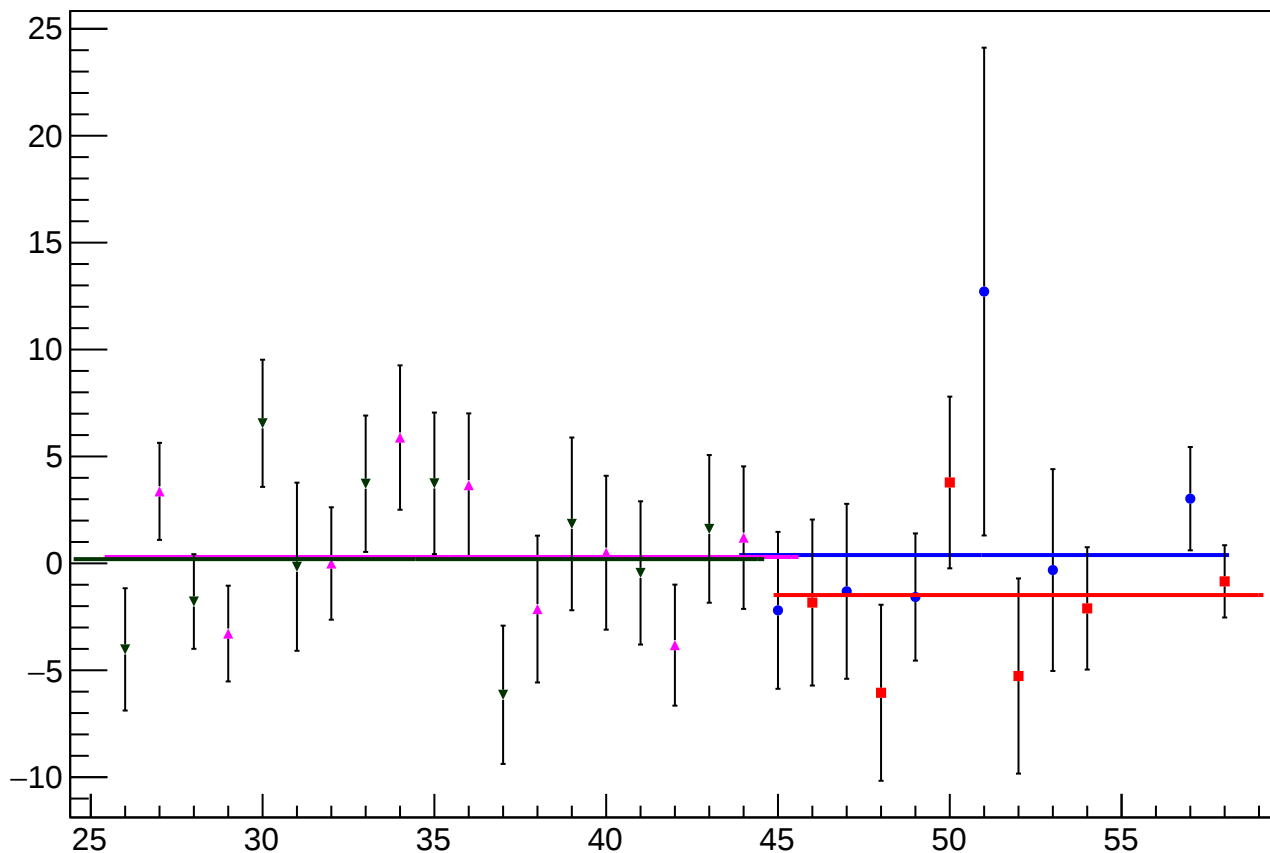
Right Out: 6058.807+/-2.485 χ^2/NDF : 42737.6/5

Left In: 5428.326+/-1.619 χ^2/NDF : 27585.4/8

5800.132+/-1.432 χ^2/NDF : 114839.6/15

5616.104+/-1.356 χ^2/NDF : 115511.7/14

diff_bpm11Y_mean vs slug



Right In: 0.389 ± 1.457 χ^2/NDF : 3.5/5

Left Out: 0.198 ± 0.988 χ^2/NDF : 14.1/9

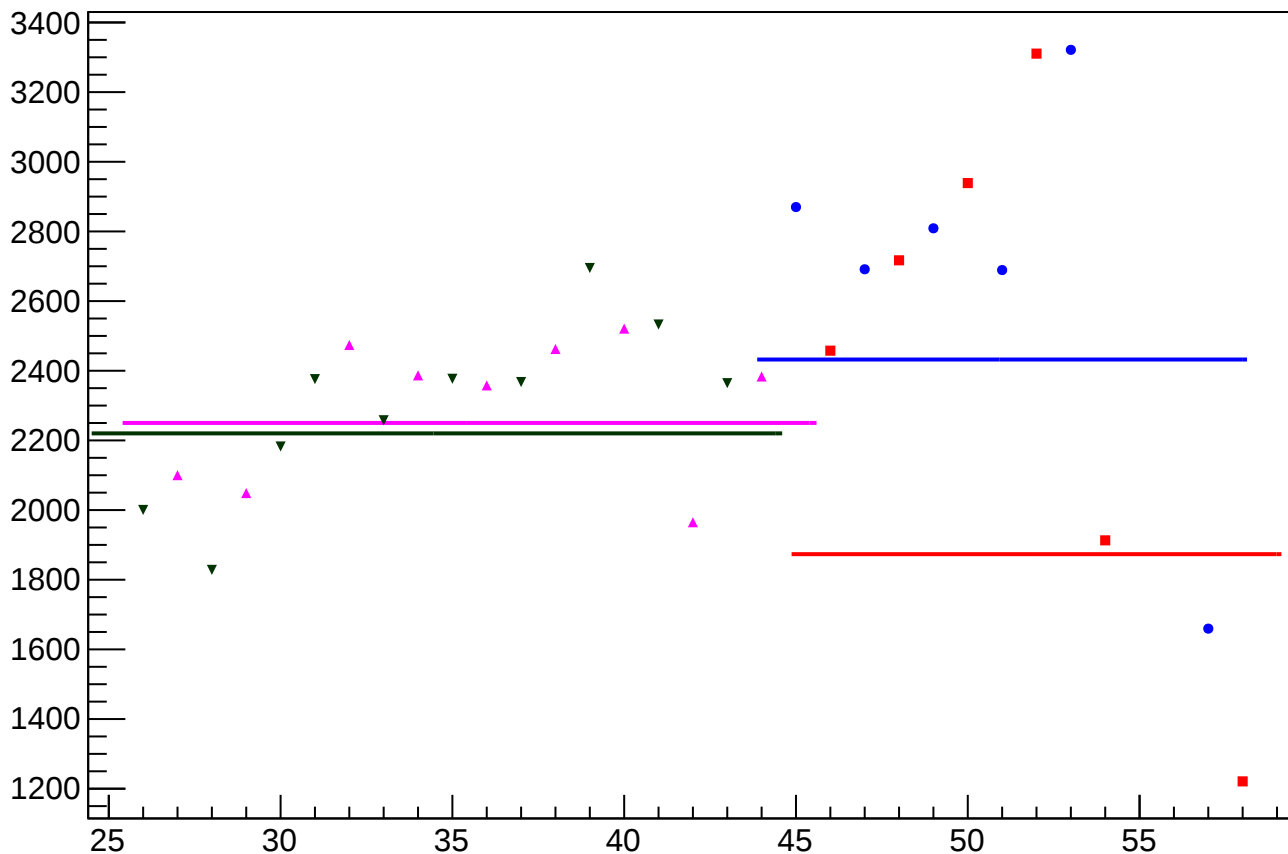
Right Out: -1.482 ± 1.189 χ^2/NDF : 3.8/5

Left In: 0.299 ± 0.957 χ^2/NDF : 10.8/8

0.258 ± 0.818 χ^2/NDF : 17.6/15

-0.402 ± 0.745 χ^2/NDF : 16.0/14

diff_bpm11Y_rms vs slug



Right In: 2432.257+/-1.030 χ^2/NDF : 345354.0/5

Left Out: 2220.193+/-0.699 χ^2/NDF :135533.9/9

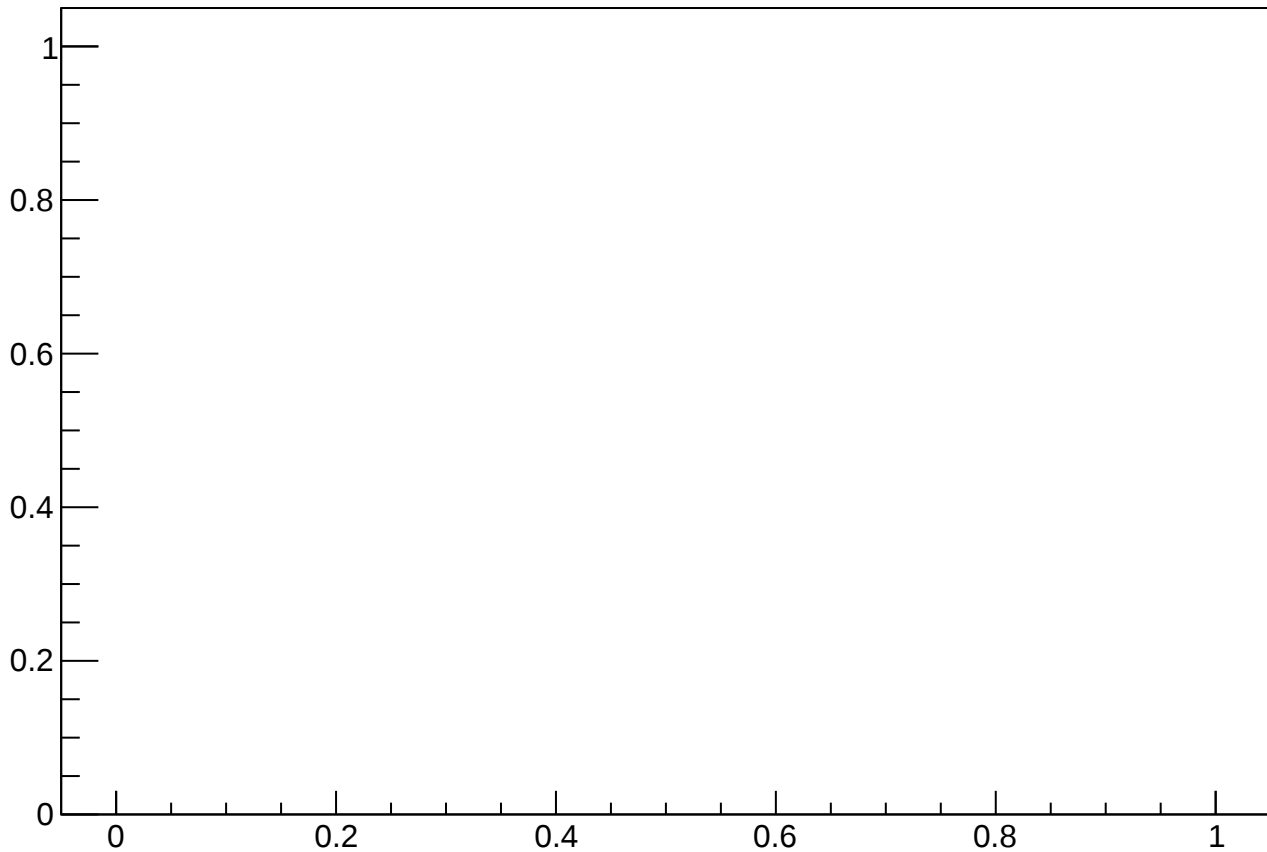
Right Out: 1873.414+/-0.840 χ^2/NDF : 766972.8/5

Left In: 2250.180+/-0.677 χ^2/NDF :87193.5/8

2287.022+/-0.578 χ^2/NDF : 509910.8/15

2101.969+/-0.527 χ^2/NDF : 976069.9/14

diff_bpm14X_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

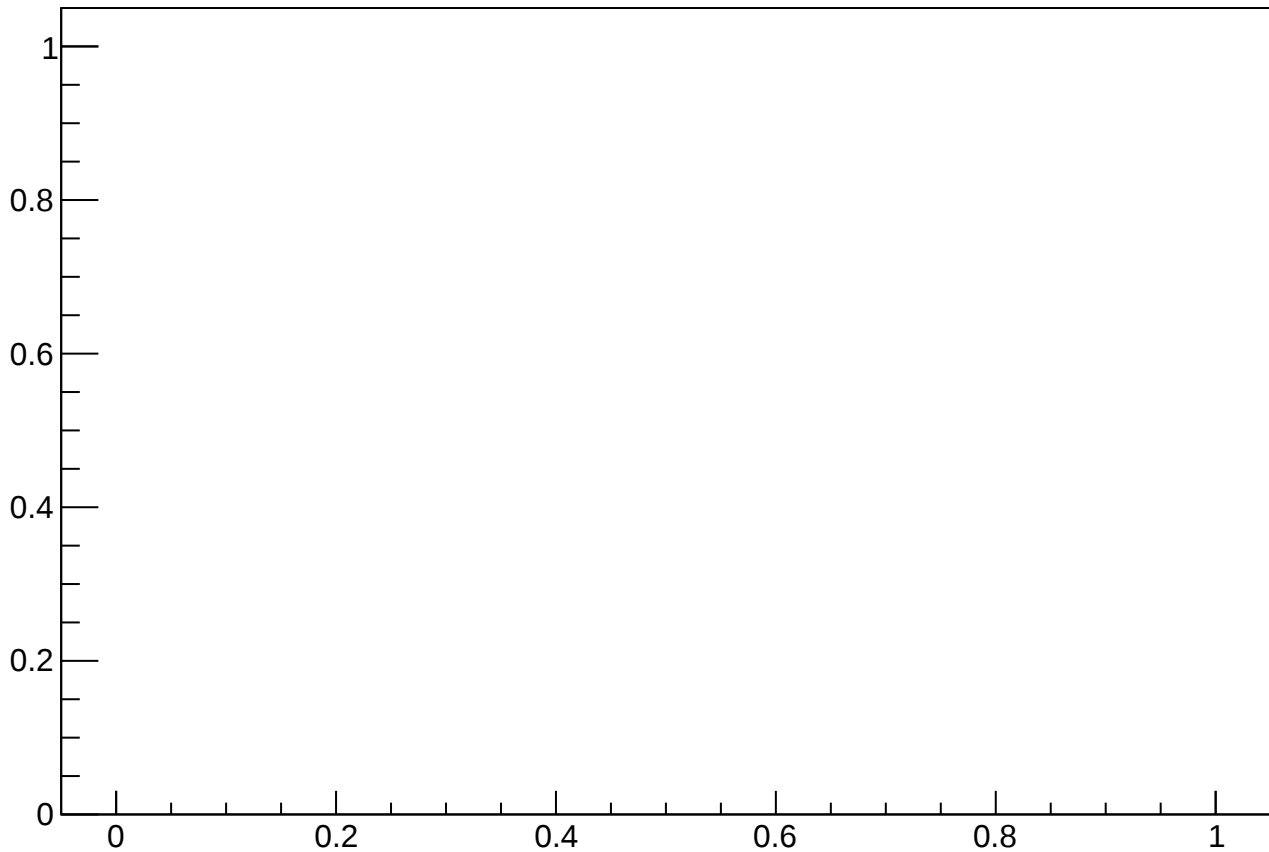
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

diff_bpm14X_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

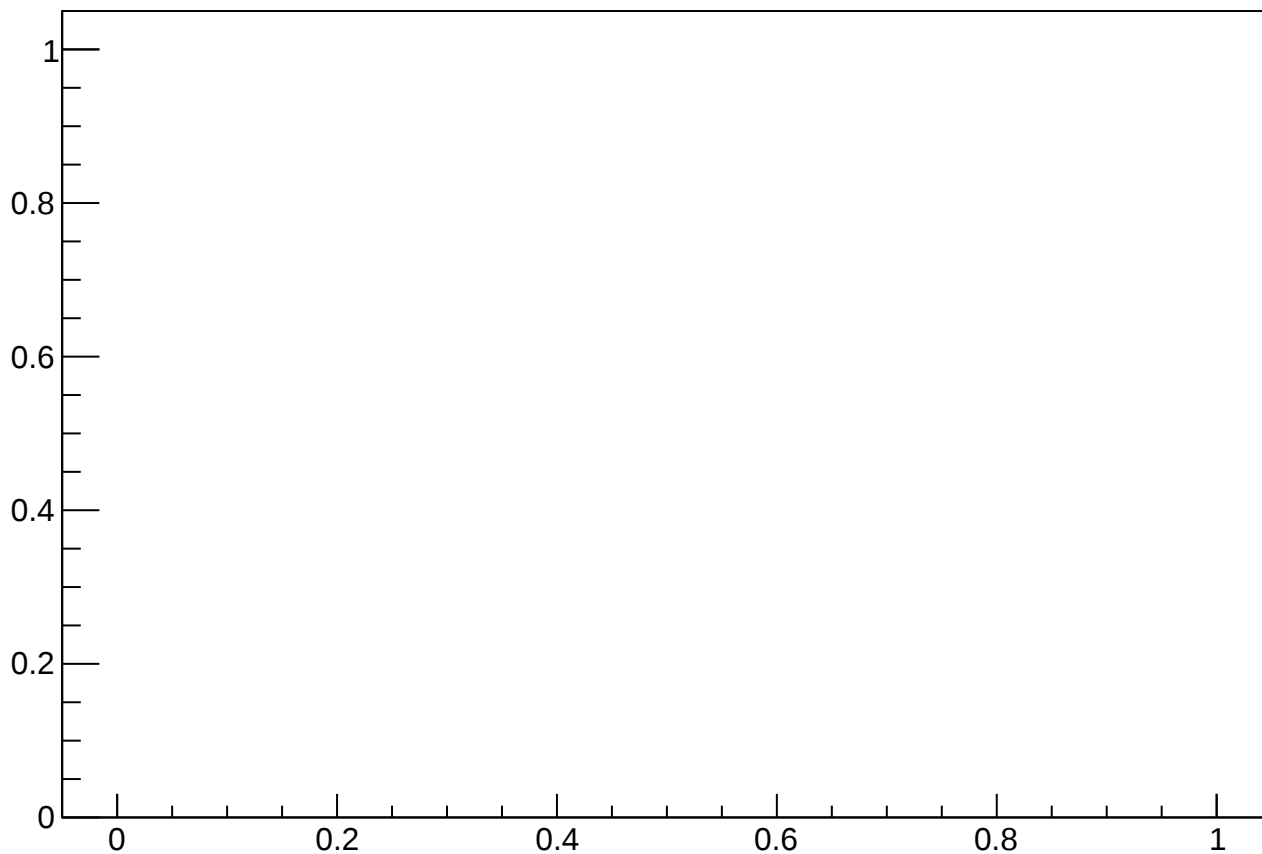
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

diff_bpm14Y_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

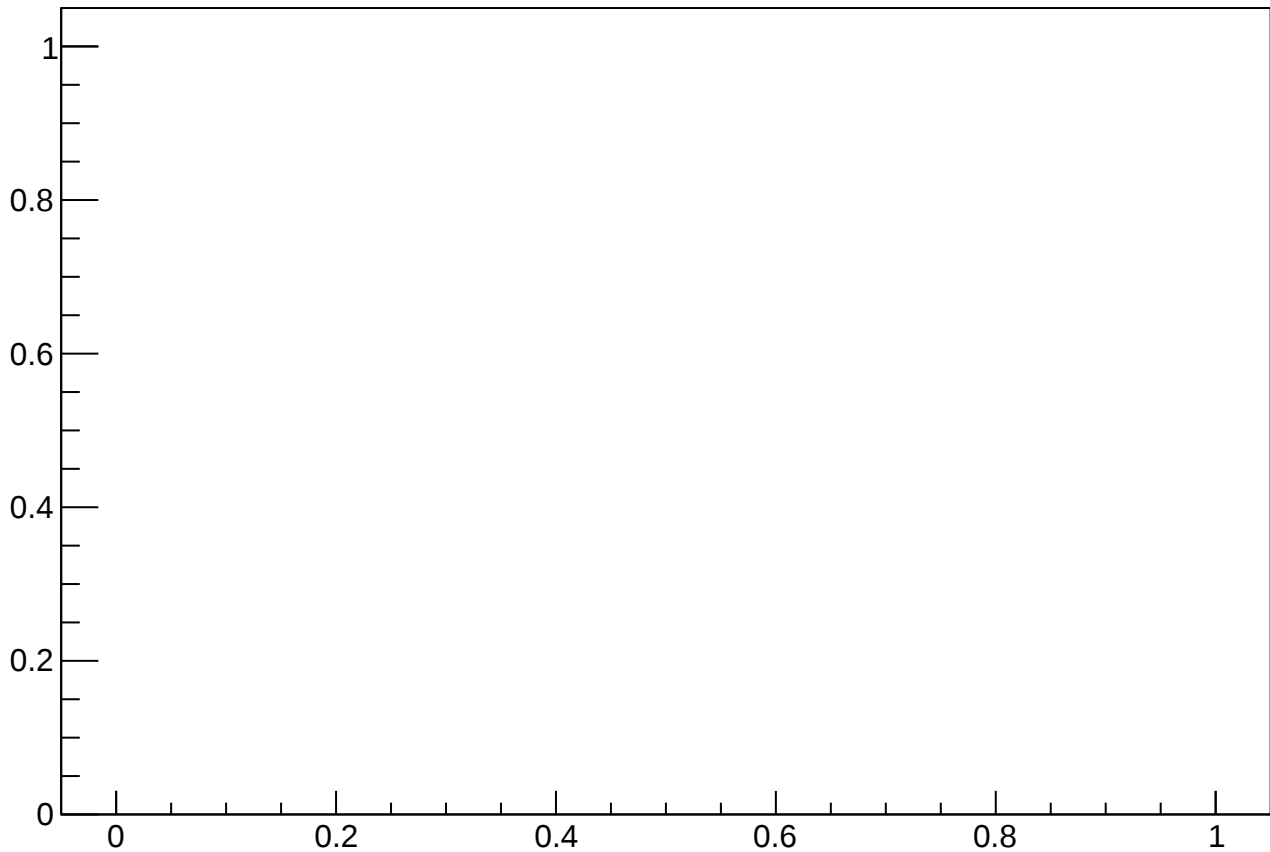
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

diff_bpm14Y_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

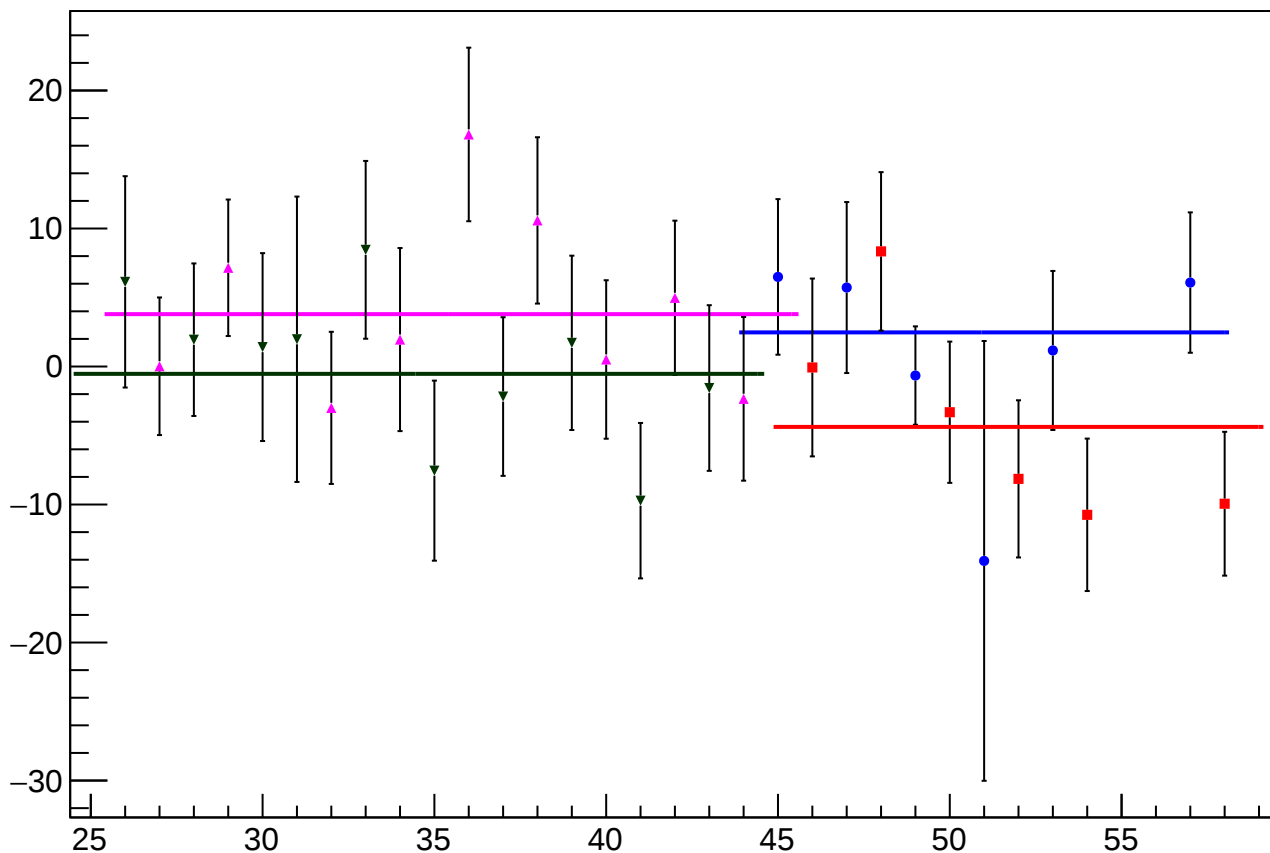
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

diff_bpm16X_mean vs slug



Right In: 2.472 ± 2.188 χ^2/NDF : 3.2/5

Left Out: -0.532 ± 2.029 χ^2/NDF : 7.1/9

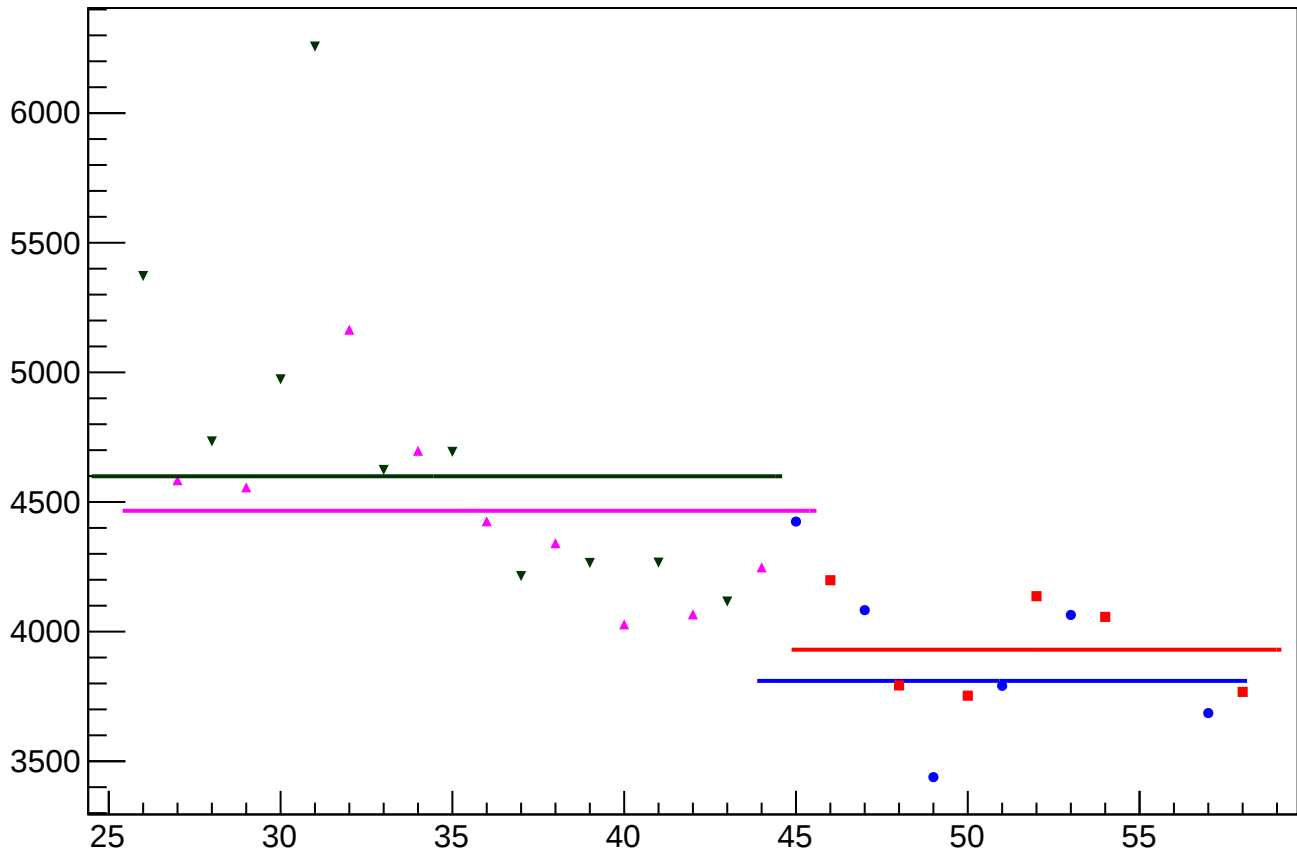
Right Out: -4.376 ± 2.276 χ^2/NDF : 8.3/5

Left In: 3.795 ± 1.889 χ^2/NDF : 9.6/8

0.857 ± 1.488 χ^2/NDF : 11.3/15

0.463 ± 1.453 χ^2/NDF : 25.6/14

diff_bpm16X_rms vs slug



Right In: 3809.997 $\pm$ 1.547 χ^2 /NDF: 54451.4/5

Left Out: 4599.203 $\pm$ 1.435 χ^2 /NDF:113974.5/9

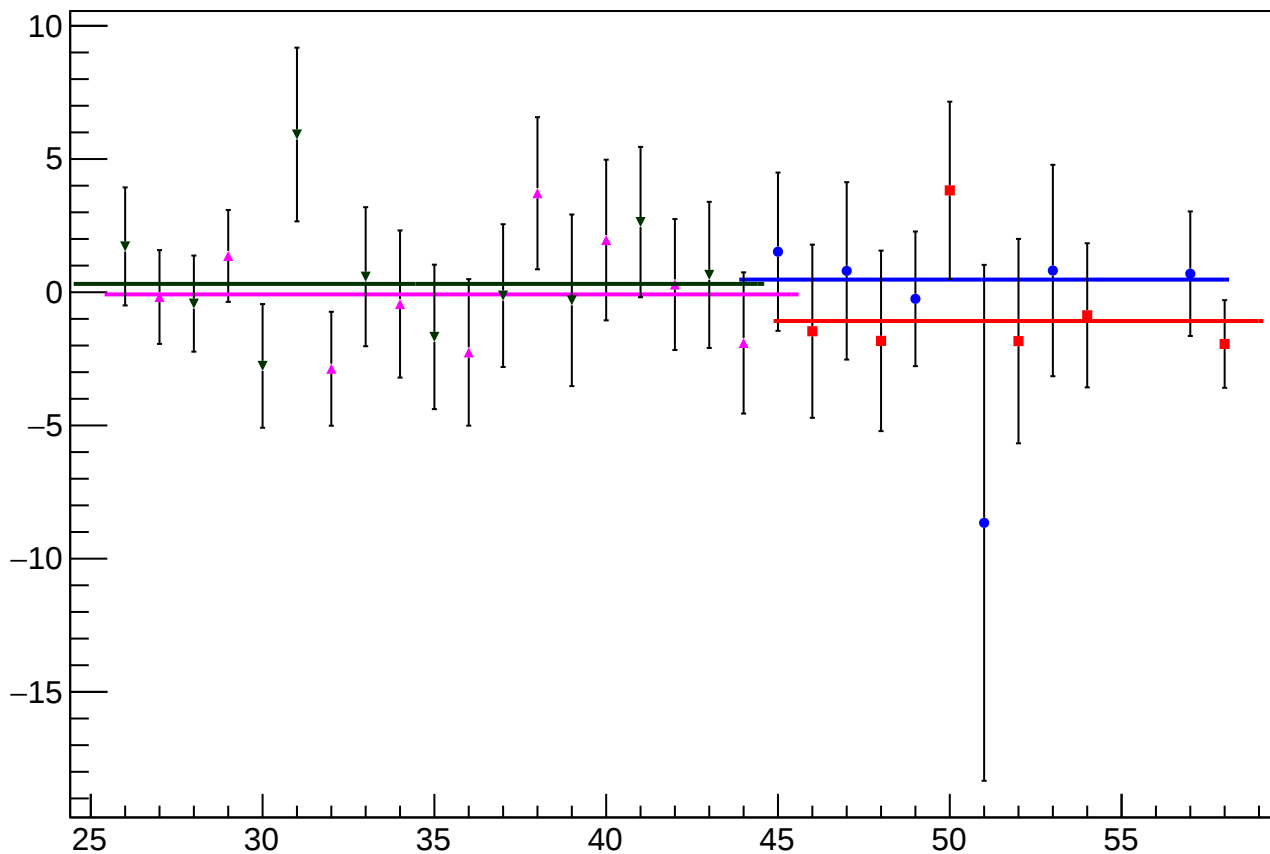
Right Out: 3930.352 $\pm$ 1.609 χ^2 /NDF: 12642.4/5

Left In: 4466.079 $\pm$ 1.336 χ^2 /NDF:61840.0/8

4234.279 $\pm$ 1.052 χ^2 /NDF: 308367.5/15

4247.599 $\pm$ 1.028 χ^2 /NDF: 140103.9/14

diff_bpm16Y_mean vs slug



Right In: 0.475 ± 1.273 χ^2/NDF : 1.1/5

Left Out: 0.314 ± 0.799 χ^2/NDF : 6.6/9

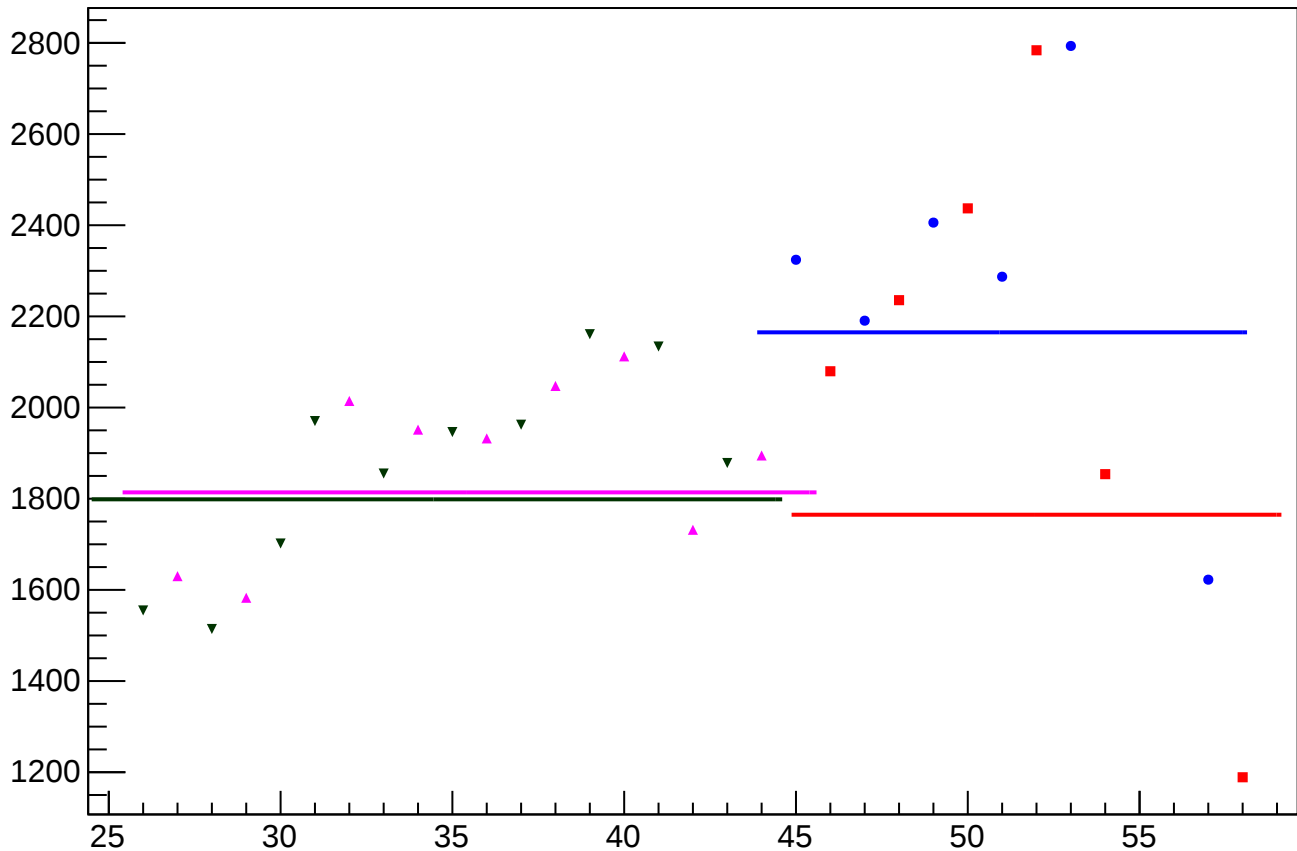
Right Out: -1.080 ± 1.087 χ^2/NDF : 2.5/5

Left In: -0.081 ± 0.771 χ^2/NDF : 5.8/8

0.359 ± 0.677 χ^2/NDF : 7.7/15

-0.415 ± 0.629 χ^2/NDF : 8.9/14

diff_bpm16Y_rms vs slug



Right In: 2165.020+/-0.900 χ^2/NDF : 182185.6/5

Left Out: 1798.642+/-0.565 χ^2/NDF :152532.1/9

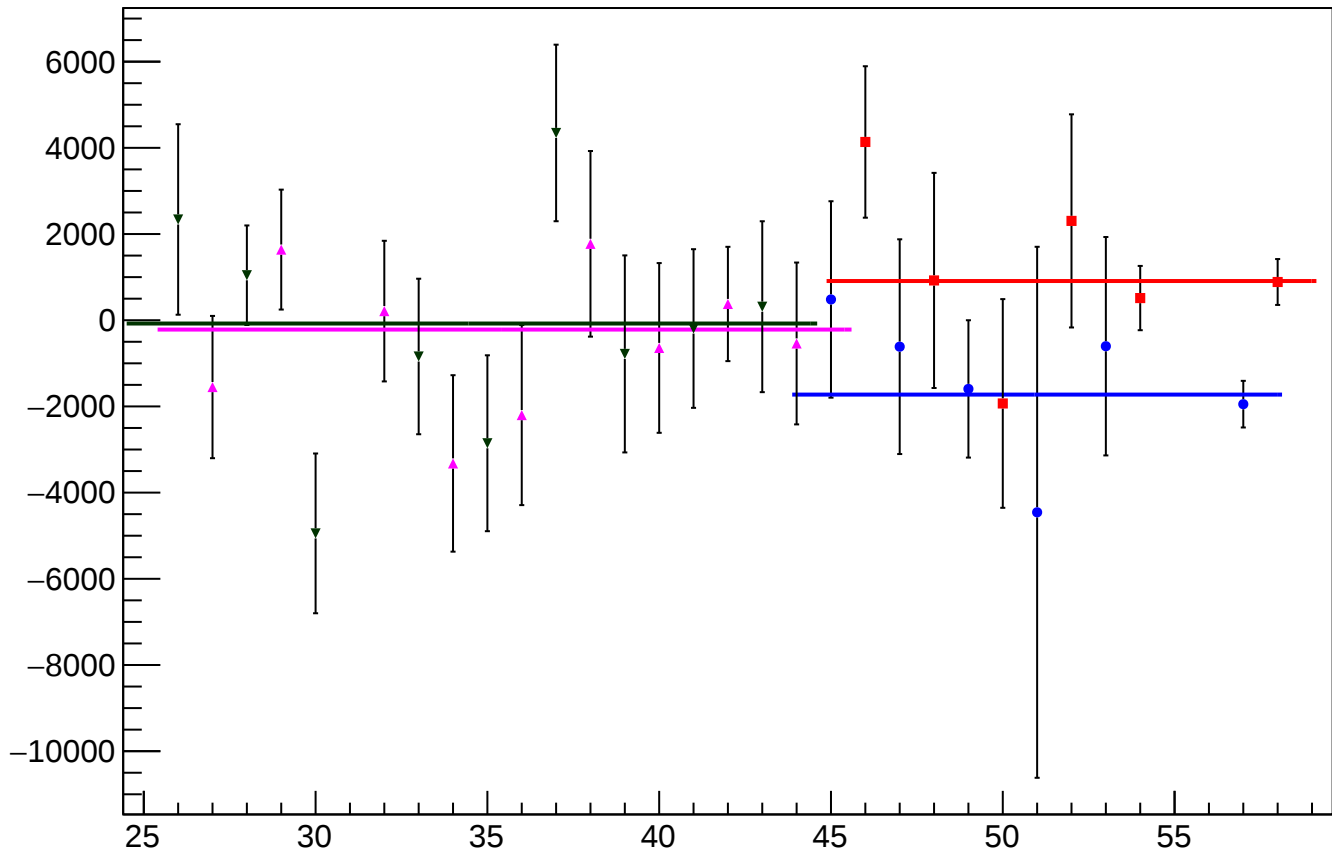
1902.143+/-0.478 χ^2/NDF : 453615.4/15

Right Out: 1764.896+/-0.769 χ^2/NDF : 527189.2/5

1797.505+/-0.445 χ^2/NDF : 650968.7/14

Left In: 1813.909+/-0.545 χ^2/NDF :121075.3/8

asym_sam1_mean vs slug



Right In: -1725.524 ± 479.707 χ^2/NDF : 1.7/5

Left Out: -76.487 ± 600.613 χ^2/NDF : 15.9/8

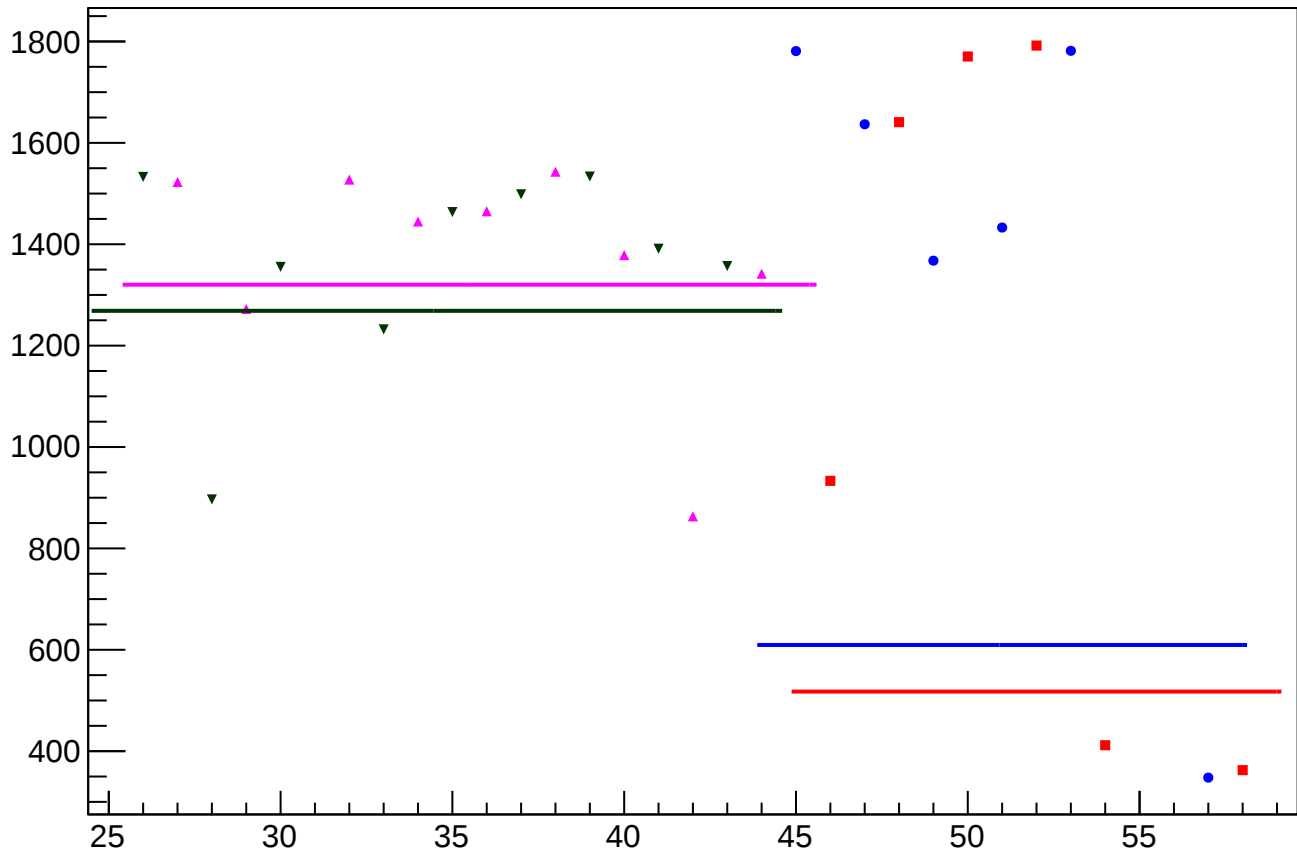
Right Out: 909.775 ± 403.437 χ^2/NDF : 5.3/5

Left In: -216.843 ± 572.349 χ^2/NDF : 6.8/8

-1083.278 ± 374.826 χ^2/NDF : 22.2/14

535.814 ± 329.751 χ^2/NDF : 14.8/14

asym_sam1_rms vs slug



Right In: 609.531+/-0.339 χ^2/NDF : 2252539.6/5

Left Out: 1268.658+/-0.425 χ^2/NDF :324399.1/8

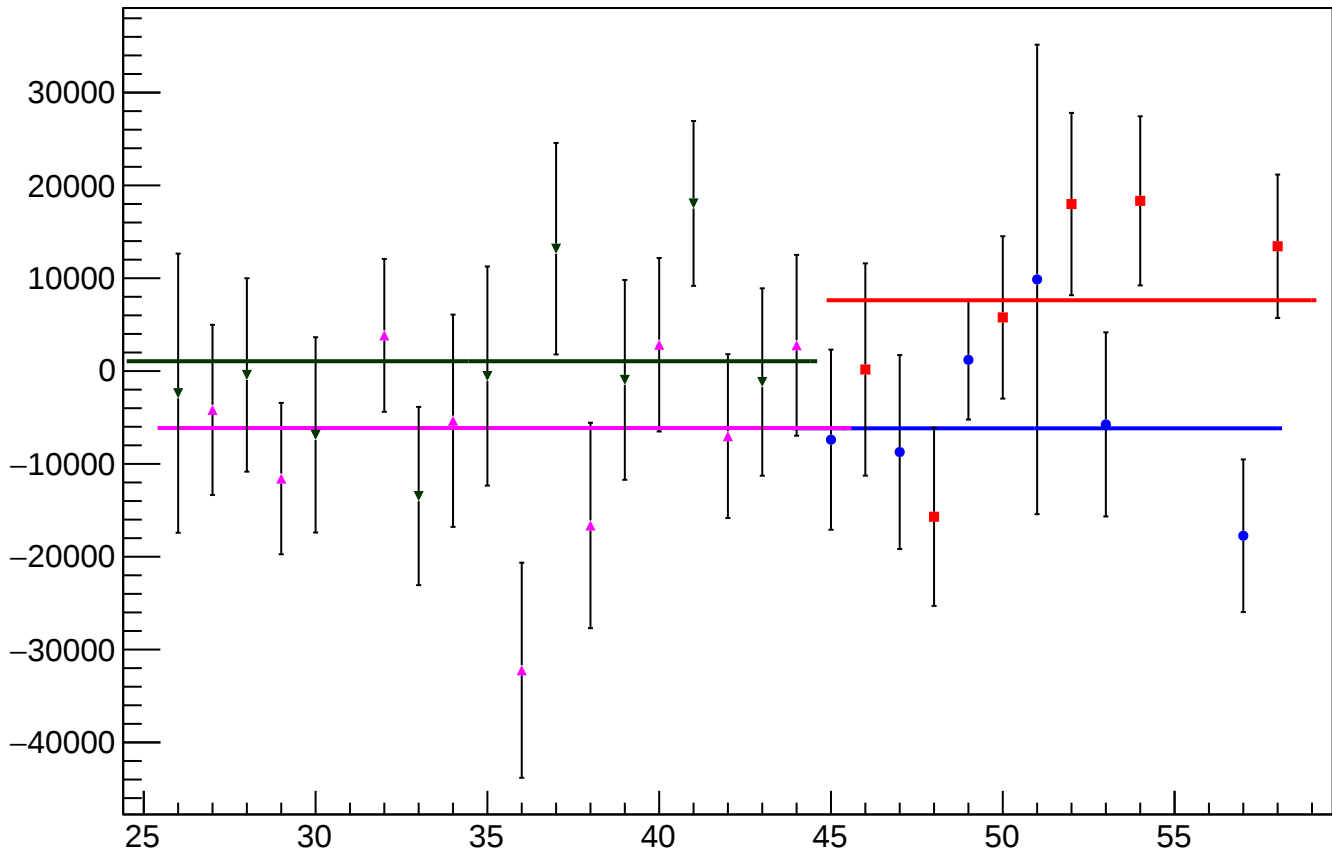
Right Out: 517.575+/-0.285 χ^2/NDF : 1793348.2/5

Left In: 1320.223+/-0.405 χ^2/NDF :342759.8/8

866.240+/-0.265 χ^2/NDF : 4047513.9/14

784.000+/-0.233 χ^2/NDF : 4763826.2/14

asym_sam2_mean vs slug



Right In: -6168.271+/-3766.285 χ^2 /NDF: 3.8/5

Left Out: 1060.376+/-3545.636 χ^2 /NDF:7.8/8

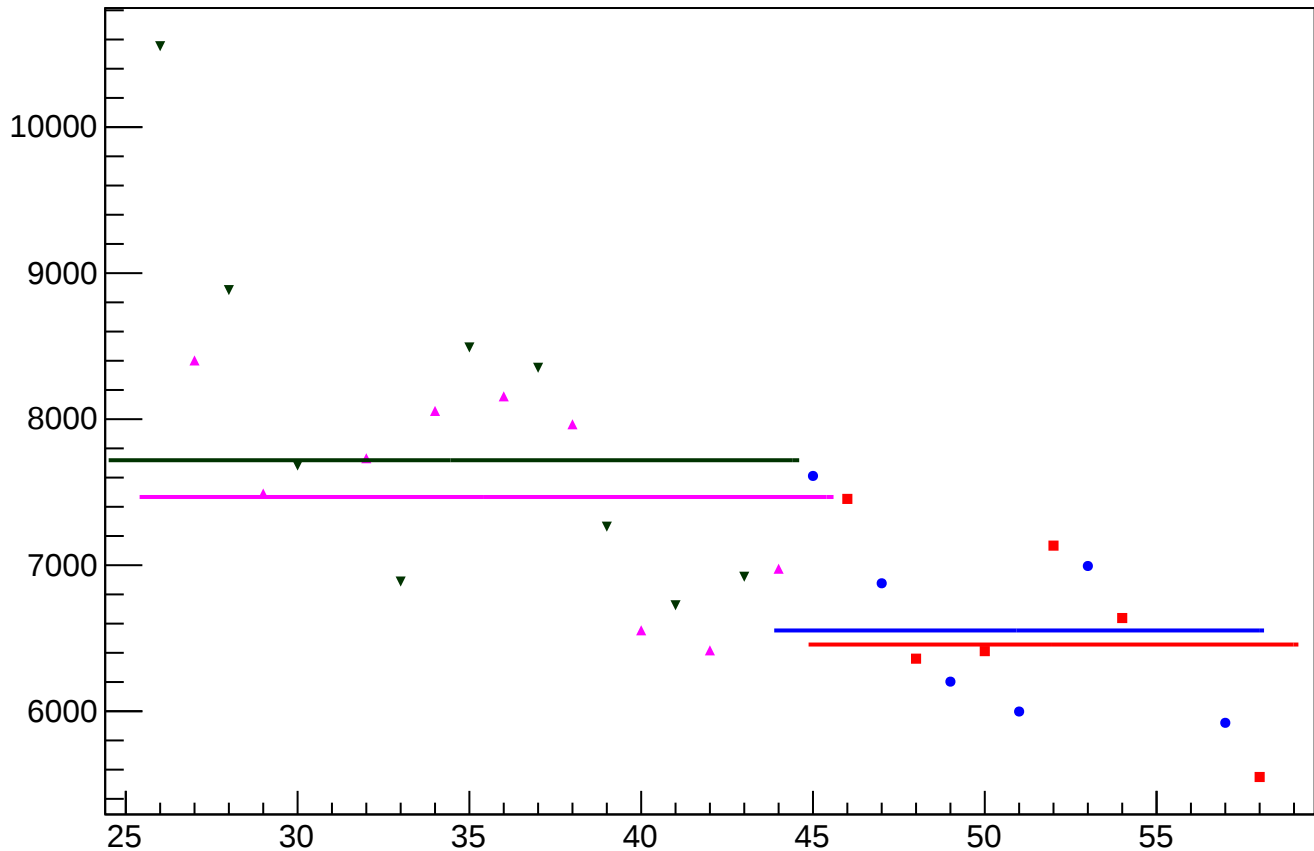
Right Out: 7625.793+/-3759.057 χ^2 /NDF: 9.4/5

Left In: -6136.125+/-3165.179 χ^2 /NDF:9.7/8

-2336.010+/-2581.625 χ^2 /NDF: 13.6/14

-426.880+/-2421.189 χ^2 /NDF: 27.0/14

asym_sam2_rms vs slug



Right In: 6553.089 ± 2.663 χ^2/NDF : 48426.2/5

Left Out: 7718.910 ± 2.507 χ^2/NDF : 166985.2/8

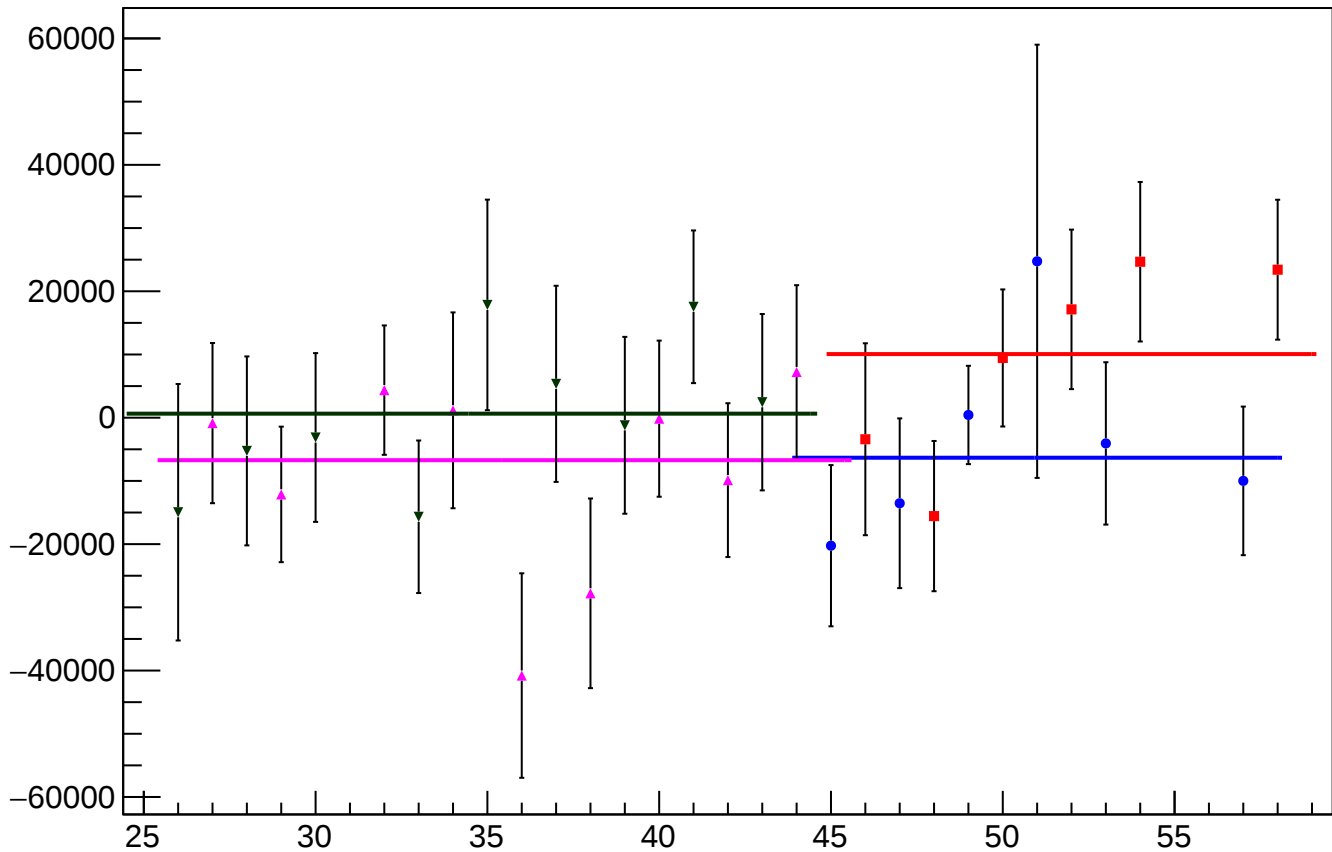
Right Out: 6456.735 ± 2.658 χ^2/NDF : 53381.9/5

Left In: 7467.189 ± 2.238 χ^2/NDF : 91848.7/8

7171.148 ± 1.825 χ^2/NDF : 317004.7/14

7047.994 ± 1.712 χ^2/NDF : 229790.8/14

asym_sam3_mean vs slug



Right In: -6331.479 ± 4857.196 $\chi^2/\text{NDF}: 3.2/5$

Left Out: 639.789 ± 4753.910 $\chi^2/\text{NDF}: 5.8/8$

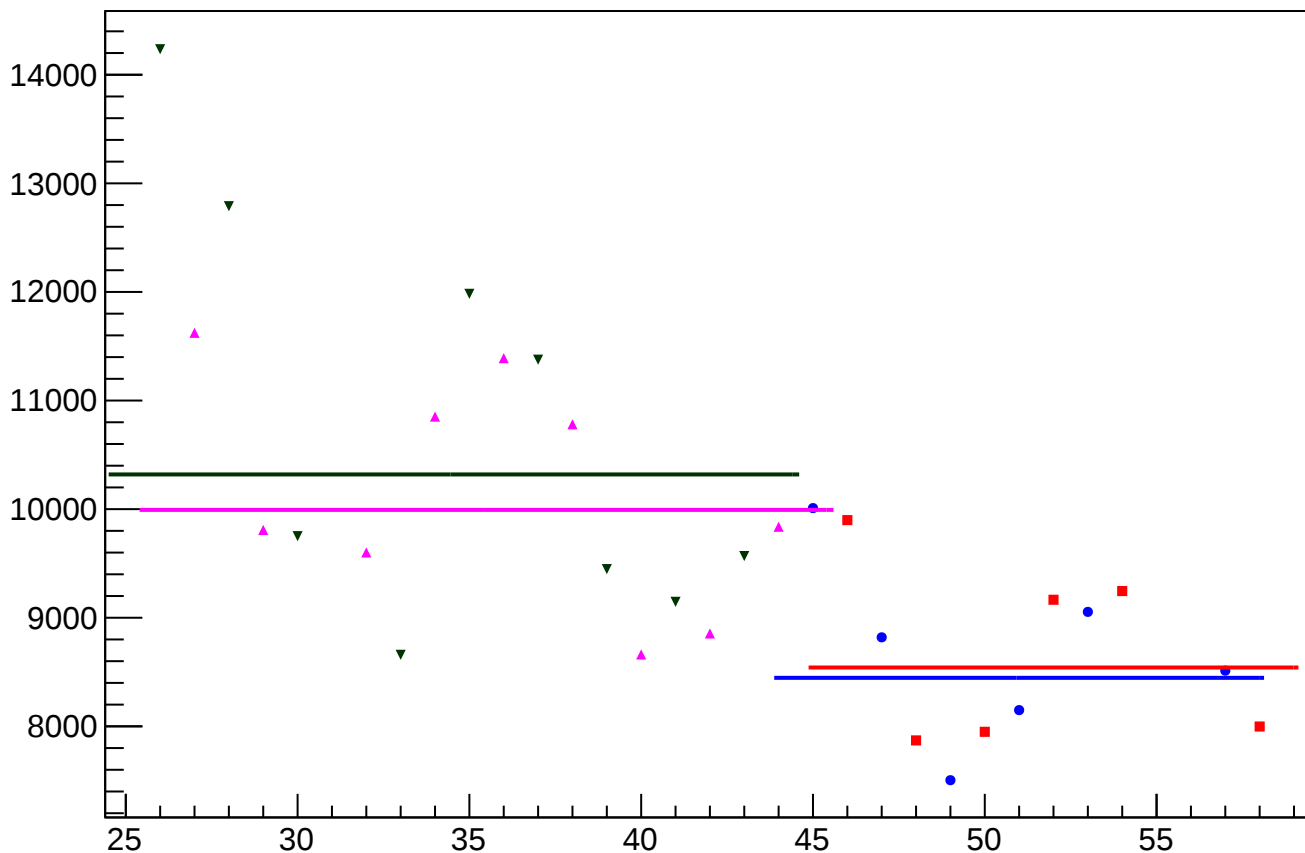
Right Out: 10064.734 ± 4959.548 $\chi^2/\text{NDF}: 8.6/5$

Left In: -6721.702 ± 4244.047 $\chi^2/\text{NDF}: 9.7/8$

-2770.937 ± 3397.450 $\chi^2/\text{NDF}: 10.0/14$

374.354 ± 3224.567 $\chi^2/\text{NDF}: 24.9/14$

asym_sam3_rms vs slug



Right In: 8446.693+/-3.435 χ^2/NDF : 65666.7/5

Left Out: 10319.525+/-3.362 χ^2/NDF : 232272.2/8

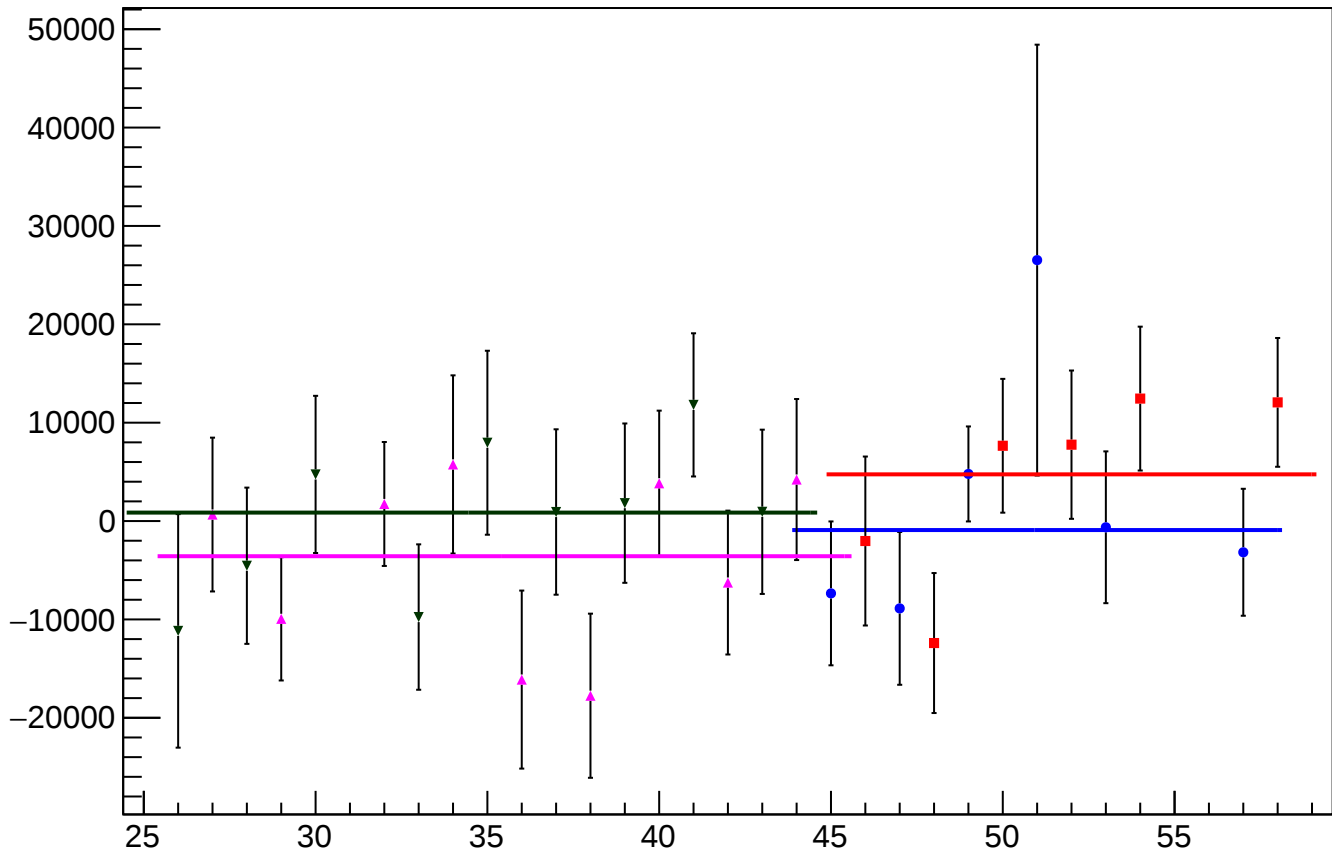
Right Out: 8541.813+/-3.507 χ^2/NDF : 44268.4/5

Left In: 9993.116+/-3.001 χ^2/NDF : 104211.5/8

9403.233+/-2.402 χ^2/NDF : 449804.9/14

9379.613+/-2.280 χ^2/NDF : 247345.1/14

asym_sam4_mean vs slug



Right In: -914.777 $\pm$ 2873.972 χ^2 /NDF: 4.9/5

Left Out: 860.253 $\pm$ 2763.123 χ^2 /NDF:6.6/8

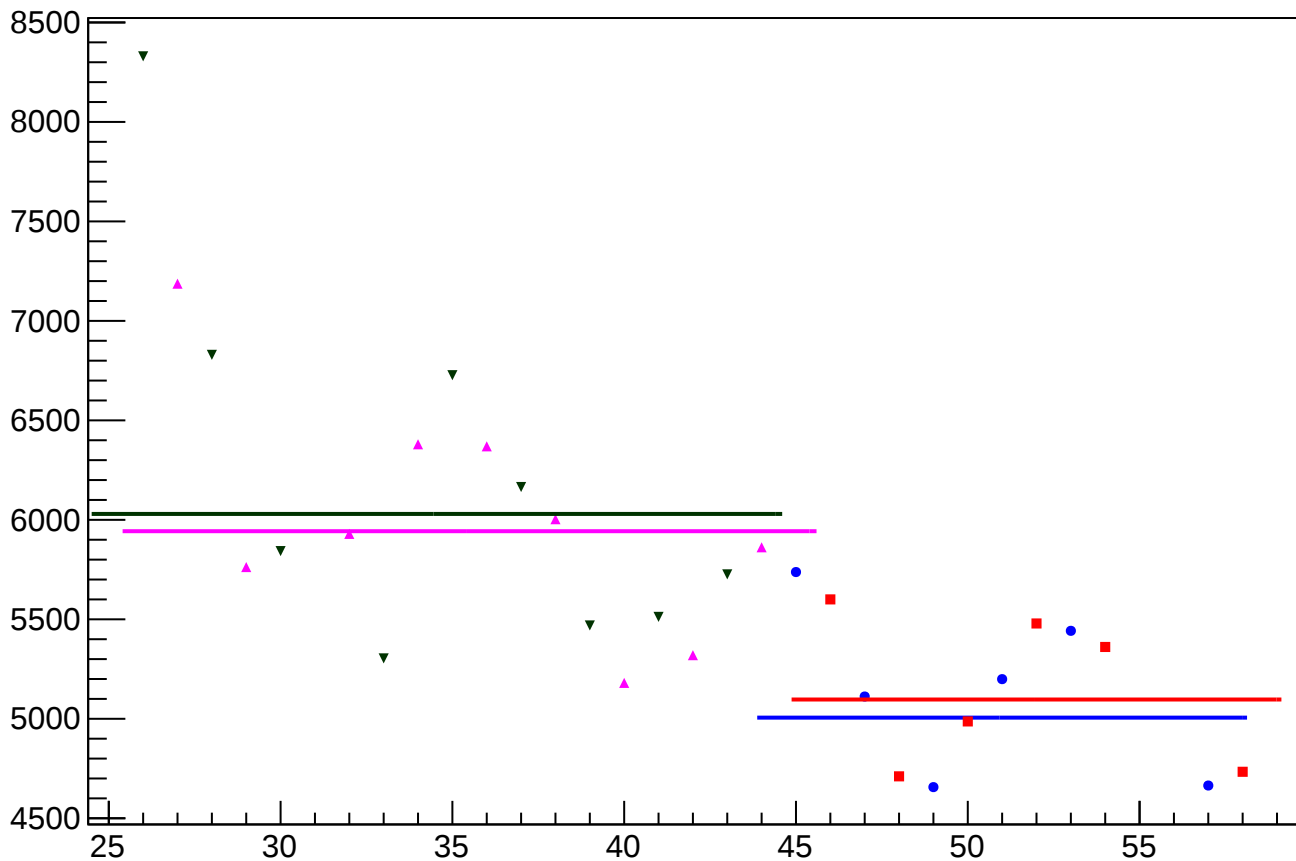
7.629 $\pm$ 1991.858 χ^2 /NDF: 11.8/14

Right Out: 4748.059 $\pm$ 2954.356 χ^2 /NDF: 9.1/5

Left In: -3574.359 $\pm$ 2517.724 χ^2 /NDF:10.0/8

-73.018 $\pm$ 1916.264 χ^2 /NDF: 23.7/14

asym_sam4_rms vs slug



Right In: 5005.850+/-2.032 χ^2/NDF : 43010.7/5

Left Out: 6029.703+/-1.954 χ^2/NDF :149738.9/8

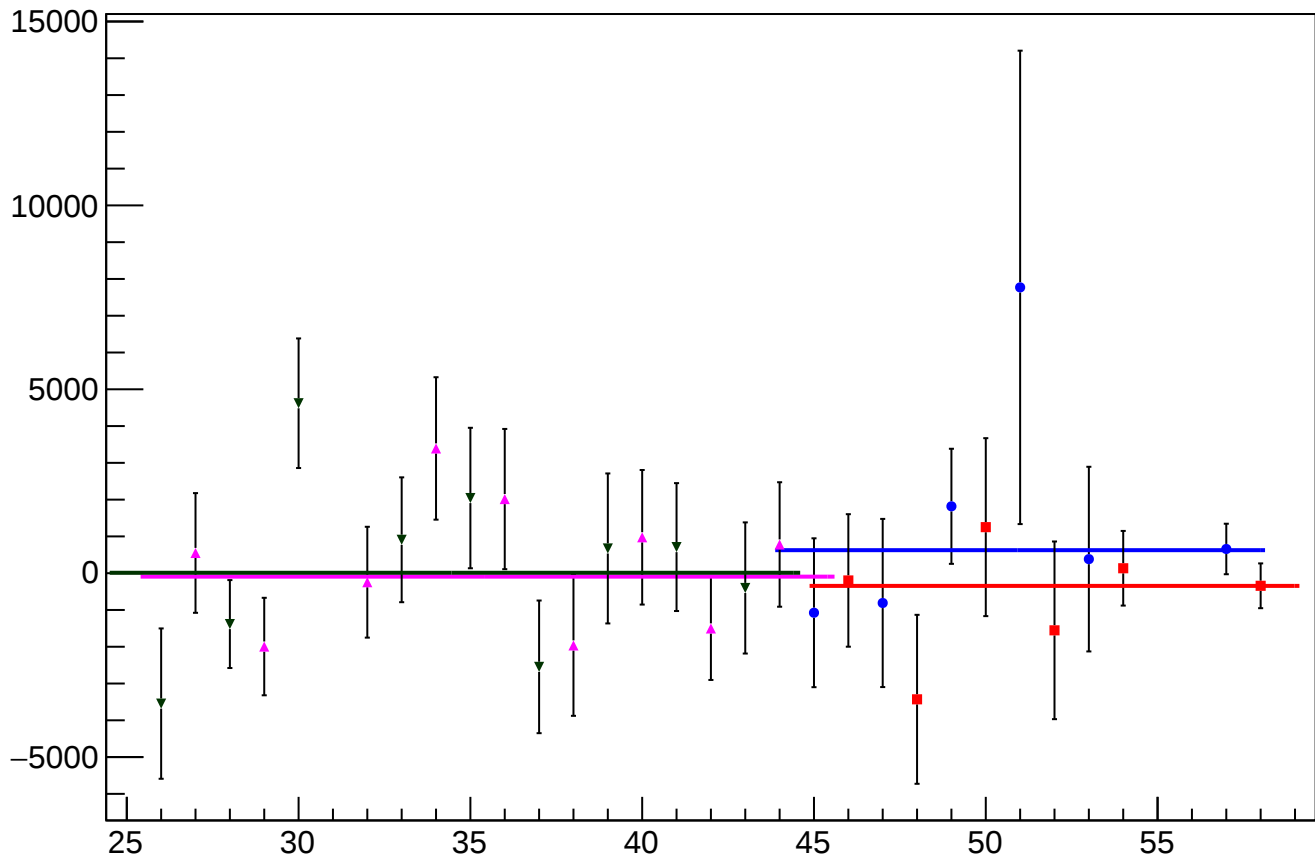
Right Out: 5096.944+/-2.089 χ^2/NDF : 27191.0/5

Left In: 5942.884+/-1.780 χ^2/NDF :97554.3/8

5537.902+/-1.408 χ^2/NDF : 324653.3/14

5586.986+/-1.355 χ^2/NDF : 219735.3/14

asym_sam5_mean vs slug



Right In: 625.670+/-563.666 χ^2/NDF : 2.9/5

Left Out: 11.403+/-570.182 χ^2/NDF :15.0/8

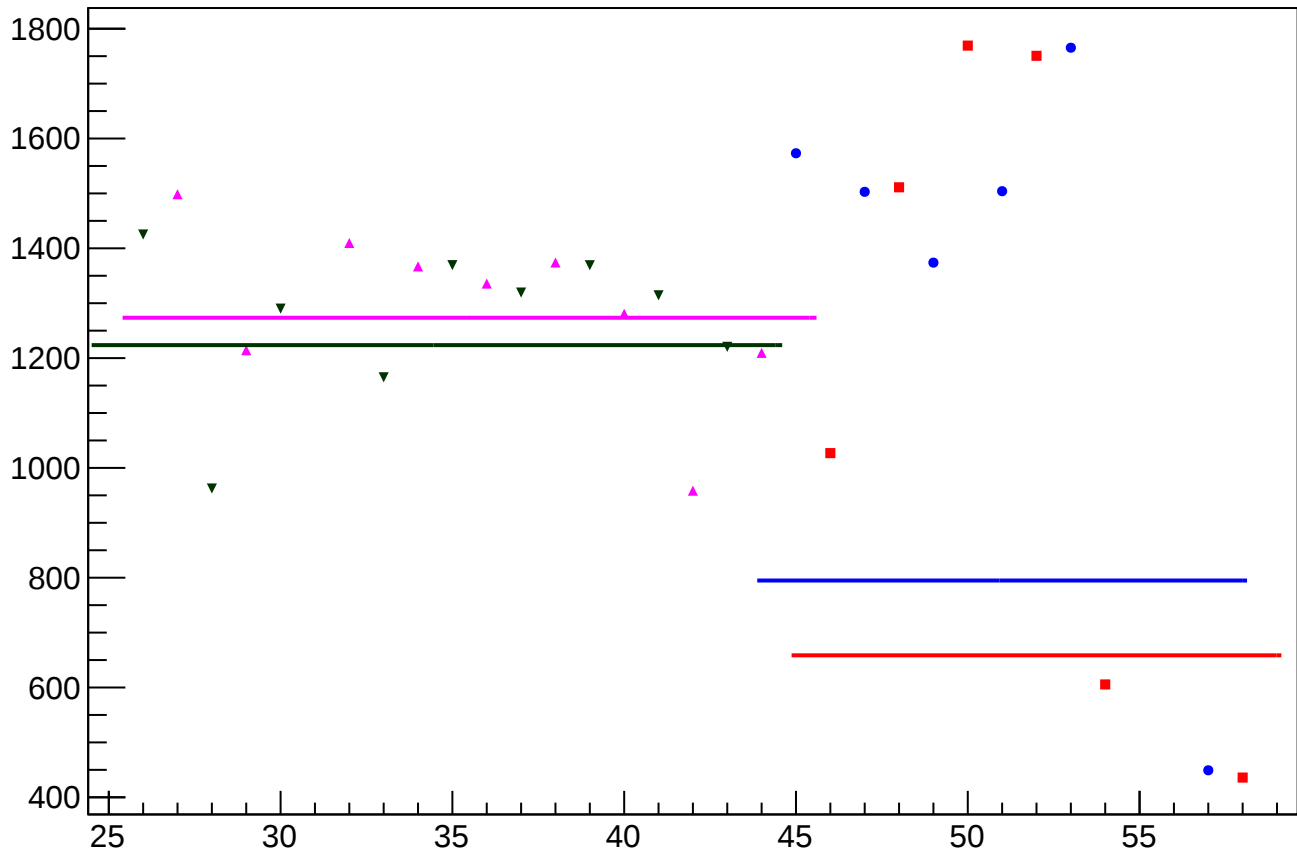
Right Out: -345.521+/-471.007 χ^2/NDF : 2.7/5

Left In: -93.953+/-545.533 χ^2/NDF :9.3/8

322.066+/-400.856 χ^2/NDF : 18.5/14

-238.081+/-356.513 χ^2/NDF : 12.1/14

asym_sam5_rms vs slug



Right In: 794.874+/-0.399 χ^2/NDF : 1591567.3/5

Left Out: 1223.657+/-0.403 χ^2/NDF :153036.7/8

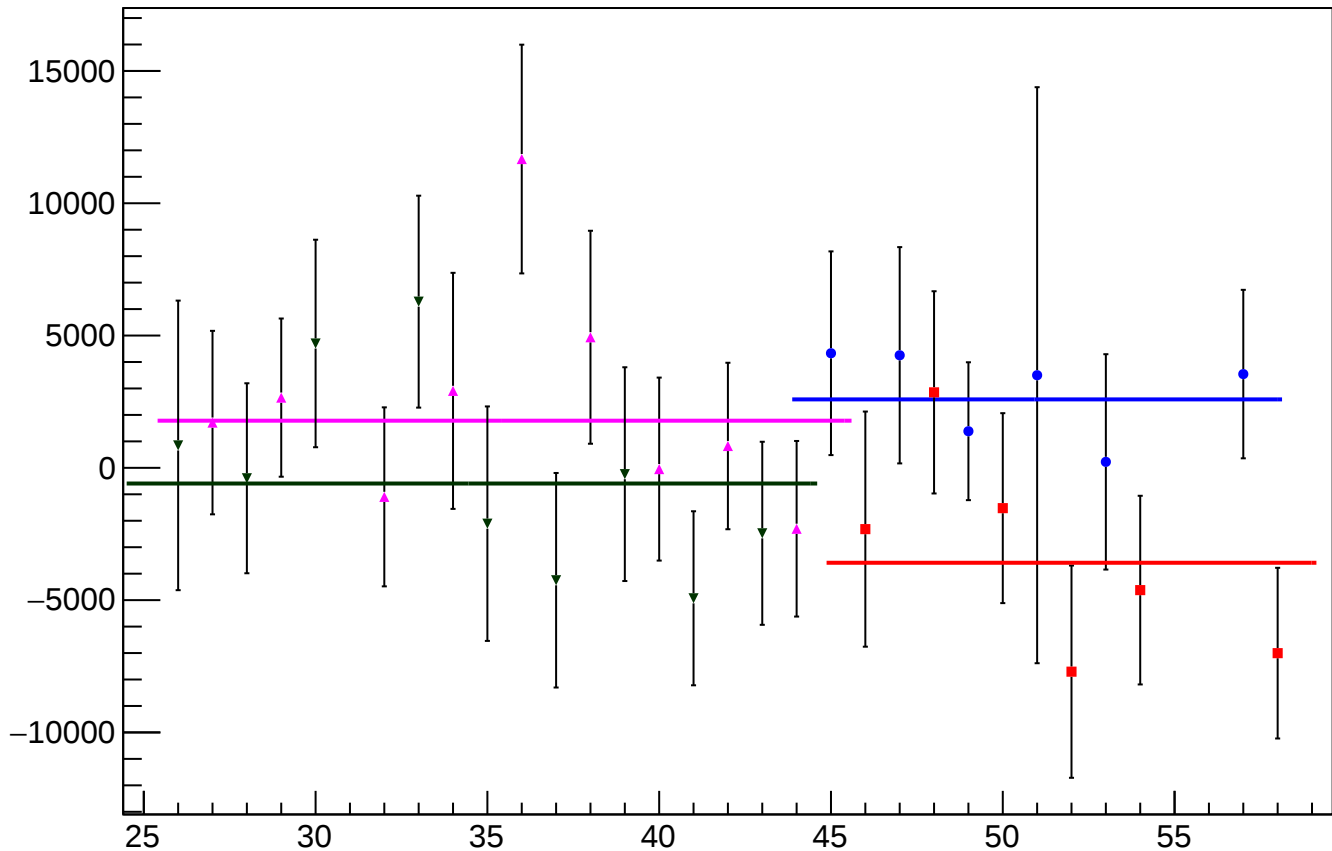
Right Out: 658.616+/-0.333 χ^2/NDF : 1462268.5/5

Left In: 1273.541+/-0.386 χ^2/NDF :174992.2/8

1006.802+/-0.283 χ^2/NDF : 2316625.9/14

921.238+/-0.252 χ^2/NDF : 3093142.8/14

asym_sam6_mean vs slug



Right In: 2586.745+/-1503.940 χ^2/NDF : 1.0/5

Left Out: -592.543+/-1304.748 χ^2/NDF : 7.8/8

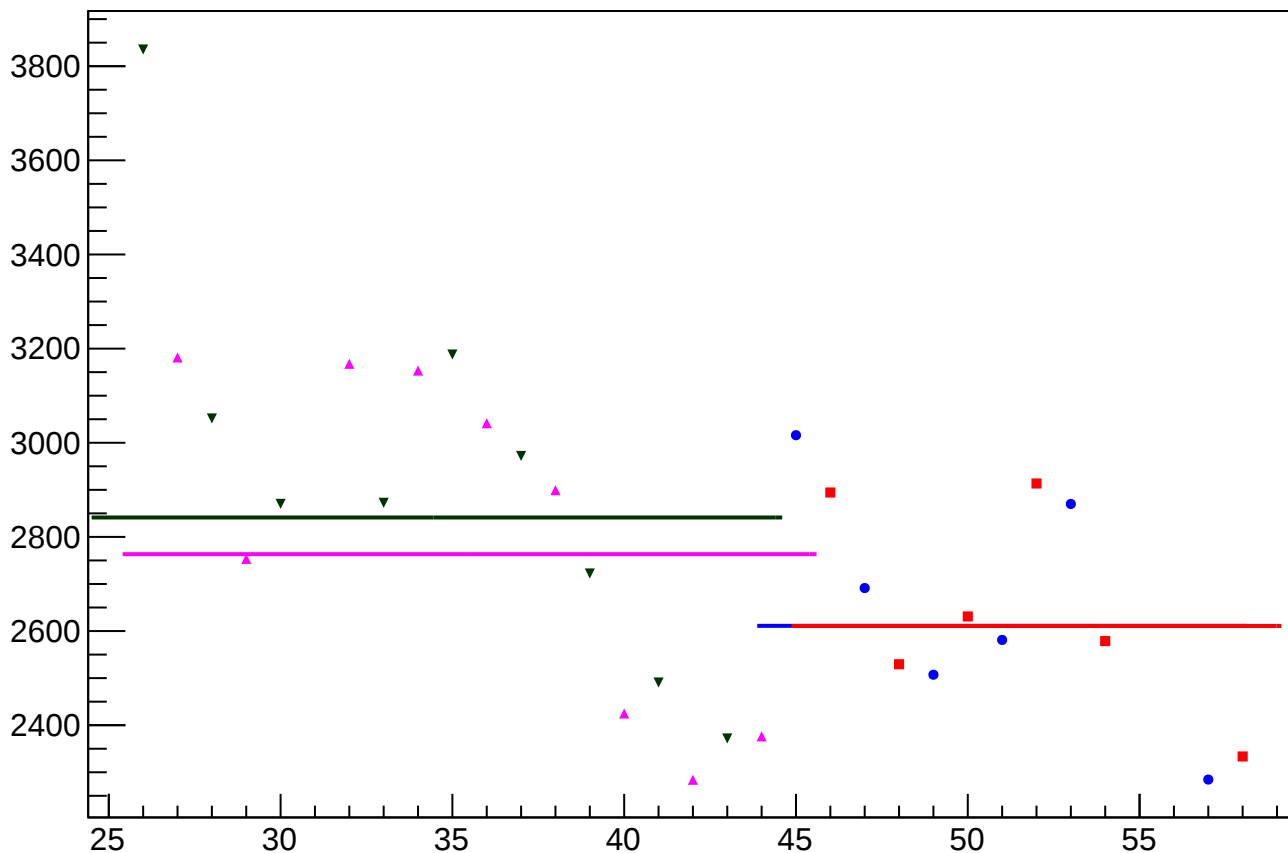
Right Out: -3587.595+/-1518.513 χ^2/NDF : 5.5/5

Left In: 1782.022+/-1175.711 χ^2/NDF : 8.6/8

772.754+/-985.551 χ^2/NDF : 11.4/14

-230.463+/-929.636 χ^2/NDF : 21.9/14

asym_sam6_rms vs slug



Right In: 2611.079+/-1.063 χ^2/NDF : 55242.1/5

Left Out: 2841.264+/-0.923 χ^2/NDF :148700.6/8

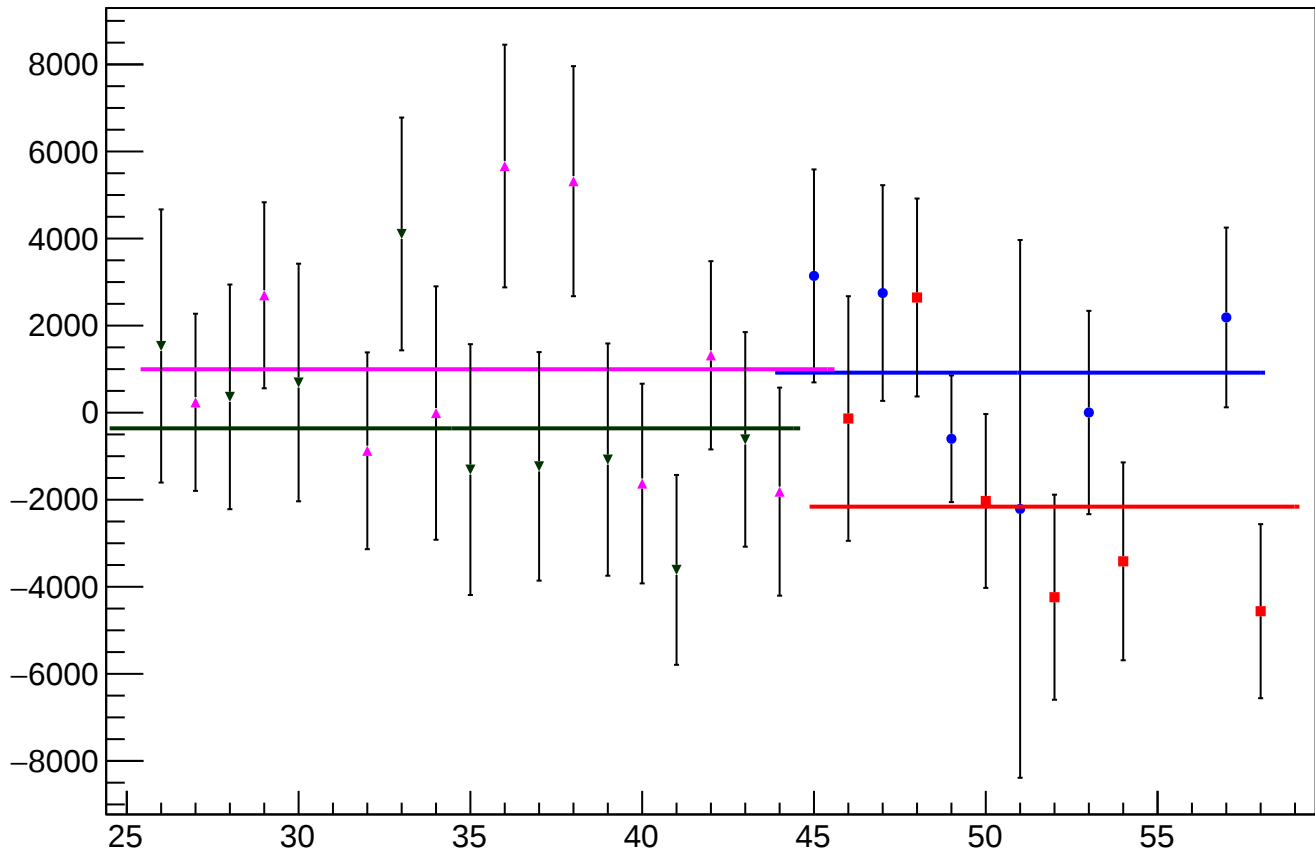
Right Out: 2610.788+/-1.074 χ^2/NDF : 35437.6/5

Left In: 2763.332+/-0.831 χ^2/NDF :176305.8/8

2742.415+/-0.697 χ^2/NDF : 230674.5/14

2706.160+/-0.657 χ^2/NDF : 224361.9/14

asym_sam7_mean vs slug



Right In: 919.231+/-895.732 χ^2/NDF : 3.2/5

Left Out: -360.260+/-874.765 χ^2/NDF : 5.9/8

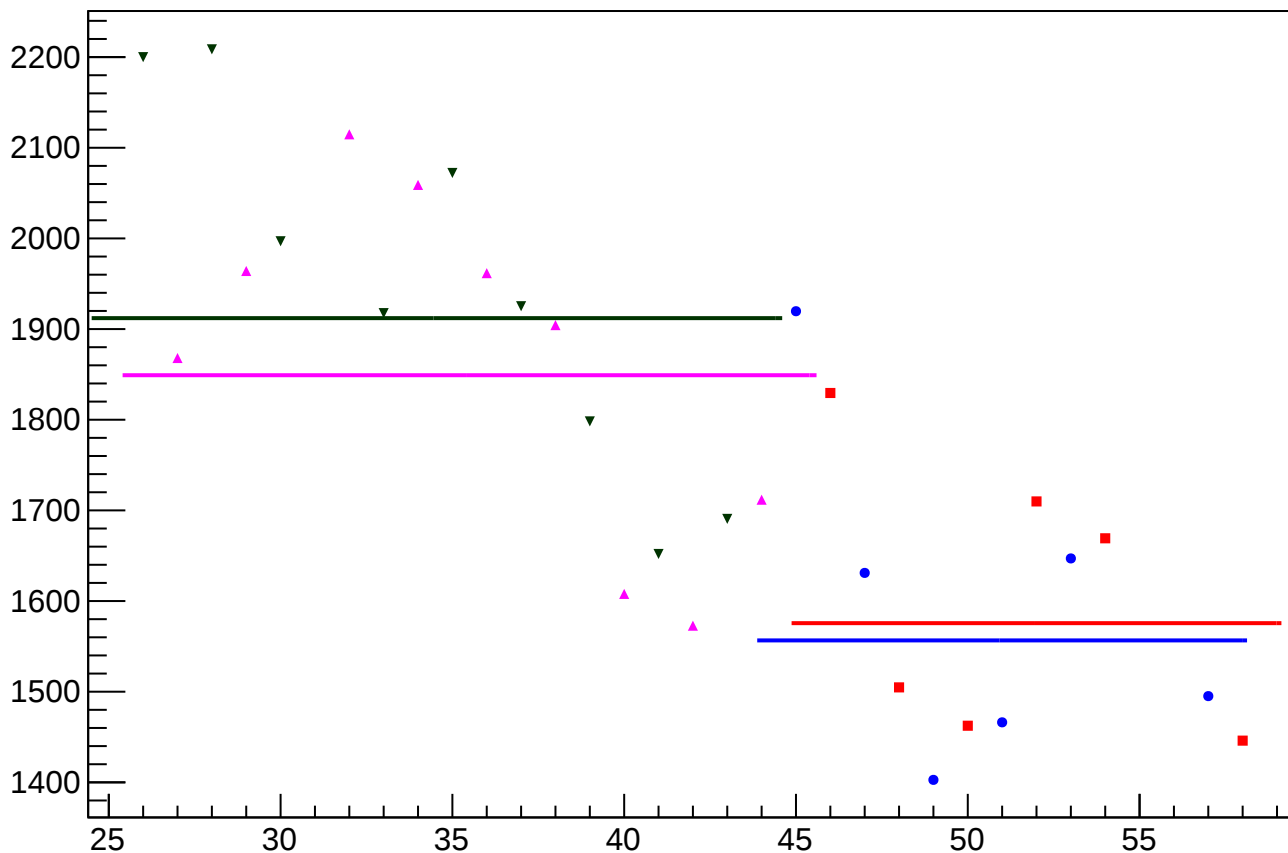
Right Out: -2159.166+/-914.847 χ^2/NDF : 7.5/5

Left In: 997.468+/-784.441 χ^2/NDF : 9.8/8

264.335+/-625.833 χ^2/NDF : 10.2/14

-340.023+/-595.500 χ^2/NDF : 24.2/14

asym_sam7_rms vs slug



Right In: 1556.578+/-0.633 χ^2/NDF : 73432.4/5

Left Out: 1912.062+/-0.619 χ^2/NDF :99663.2/8

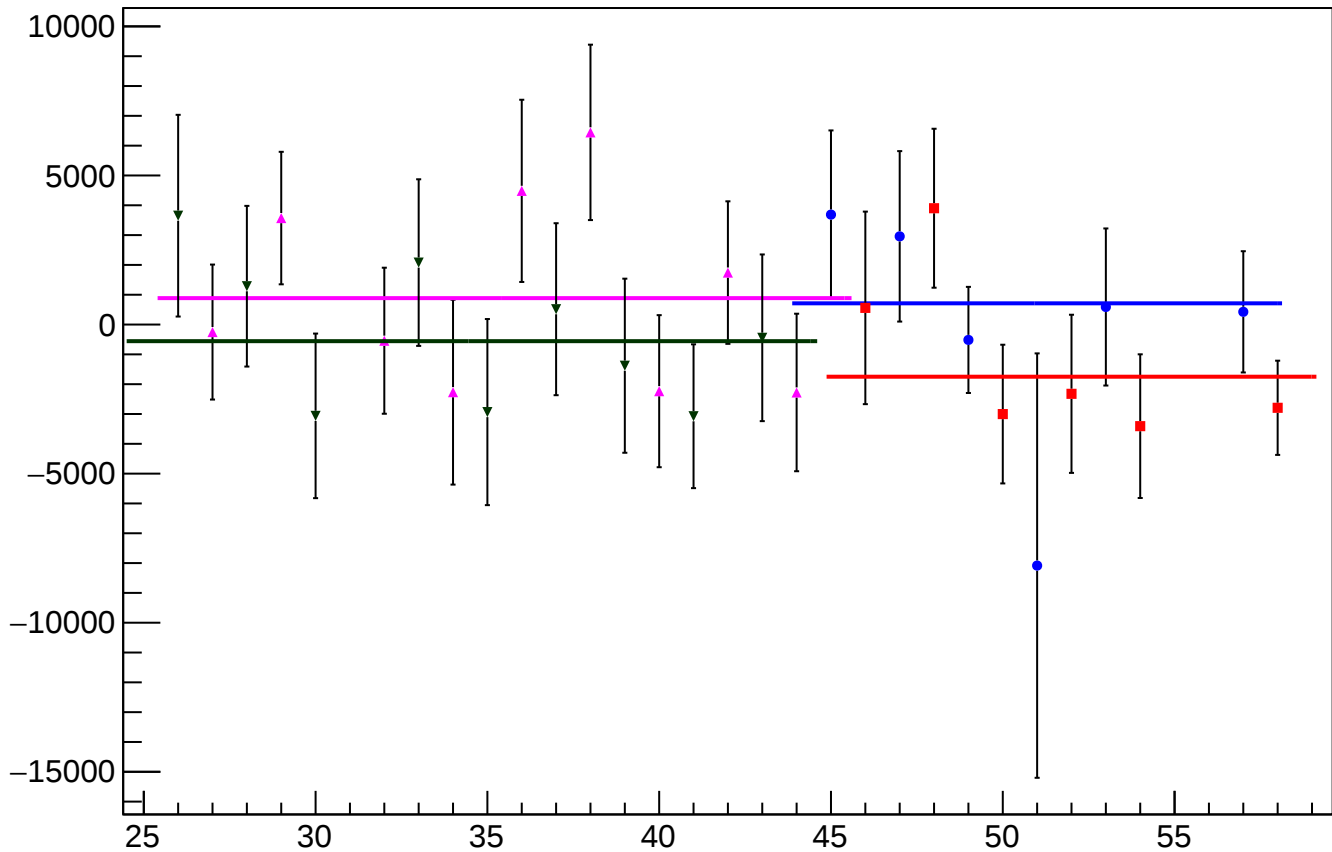
Right Out: 1575.606+/-0.647 χ^2/NDF : 42986.2/5

Left In: 1849.099+/-0.555 χ^2/NDF :109500.6/8

1738.530+/-0.443 χ^2/NDF : 334326.7/14

1733.218+/-0.421 χ^2/NDF : 255494.0/14

asym_sam8_mean vs slug



Right In: 711.948+/-1015.660 χ^2/NDF : 3.8/5

Left Out: -557.273+/-942.969 χ^2/NDF : 5.6/8

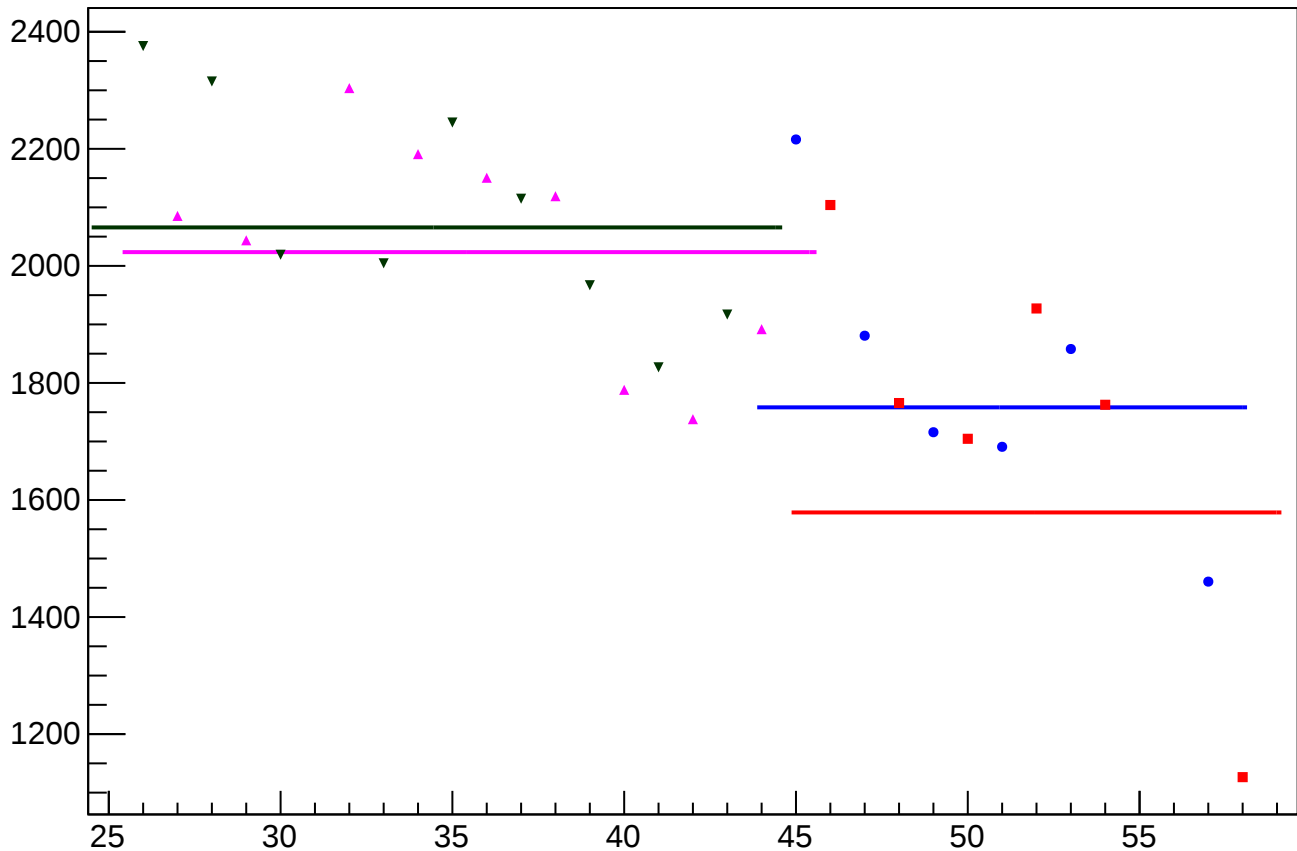
Right Out: -1749.255+/-938.010 χ^2/NDF : 6.3/5

Left In: 886.158+/-856.437 χ^2/NDF : 11.1/8

30.297+/-691.050 χ^2/NDF : 10.2/14

-311.994+/-632.469 χ^2/NDF : 21.7/14

asym_sam8_rms vs slug



Right In: 1758.295+/-0.718 χ^2/NDF : 103315.7/5

Left Out: 2065.730+/-0.667 χ^2/NDF : 70231.7/8

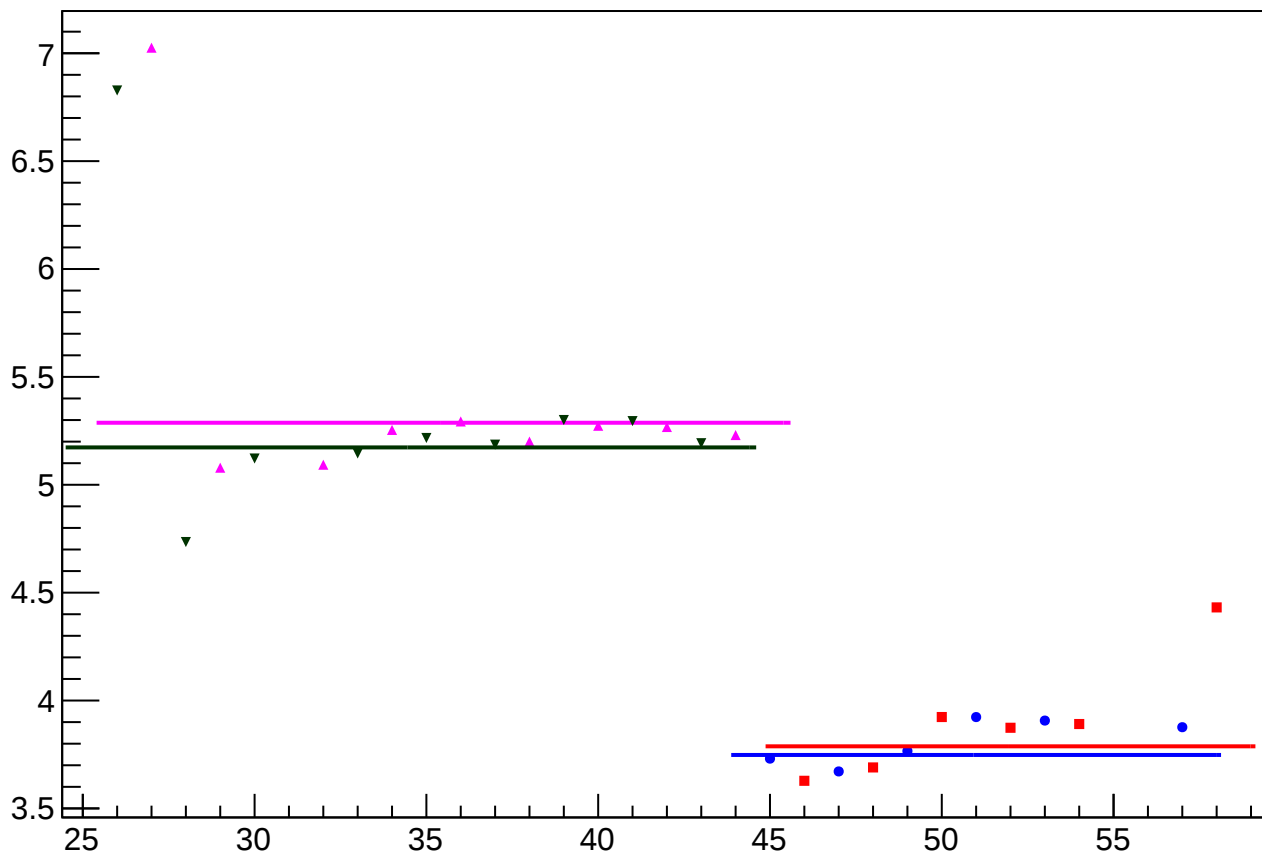
1923.407+/-0.489 χ^2/NDF : 271963.5/14

Right Out: 1578.731+/-0.663 χ^2/NDF : 278712.0/5

1821.302+/-0.447 χ^2/NDF : 613736.7/14

Left In: 2023.519+/-0.606 χ^2/NDF : 89775.7/8

yield_sam1_mean vs slug



Right In: 3.748+/-0.000 χ^2/NDF : 40651024.0/5

Left Out: 5.173+/-0.000 χ^2/NDF : 2171929405.9/8

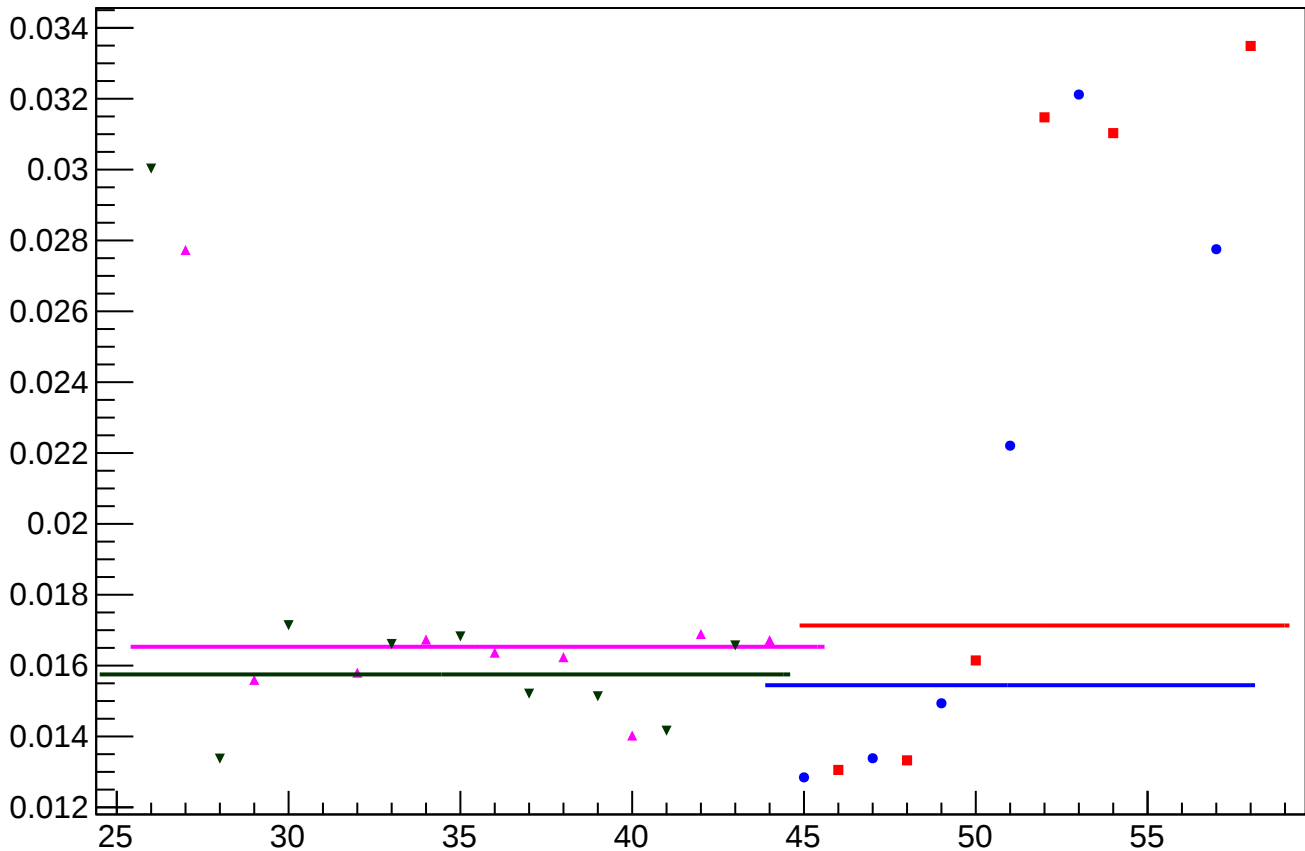
Right Out: 3.788+/-0.000 χ^2/NDF : 283087241.5/5

Left In: 5.287+/-0.000 χ^2/NDF : 3281292278.3/8

4.635+/-0.000 χ^2/NDF : 15837919952.9/14

4.845+/-0.000 χ^2/NDF : 16206839565.0/14

yield_sam1_rms vs slug



Right In: 0.015+/-0.000 χ^2/NDF : 519443.5/5

Left Out: 0.016+/-0.000 χ^2/NDF : 285999.2/8

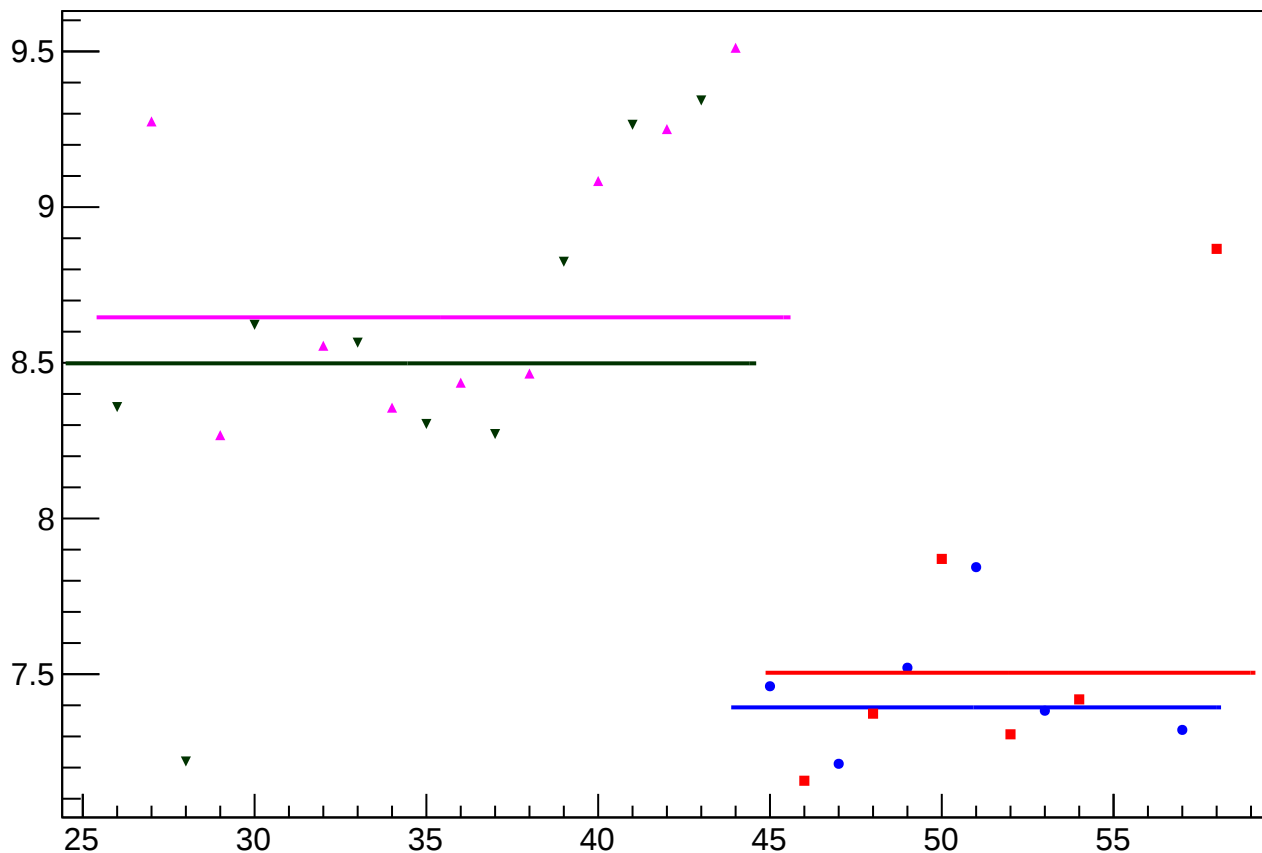
0.016+/-0.000 χ^2/NDF : 806689.5/14

Right Out: 0.017+/-0.000 χ^2/NDF : 750162.1/5

0.017+/-0.000 χ^2/NDF : 1043043.3/14

Left In: 0.017+/-0.000 χ^2/NDF : 288823.4/8

yield_sam2_mean vs slug



Right In: 7.393 $\pm$ 0.000 χ^2 /NDF: 3230278.5/5

Left Out: 8.498 $\pm$ 0.000 χ^2 /NDF: 85994294.5/8

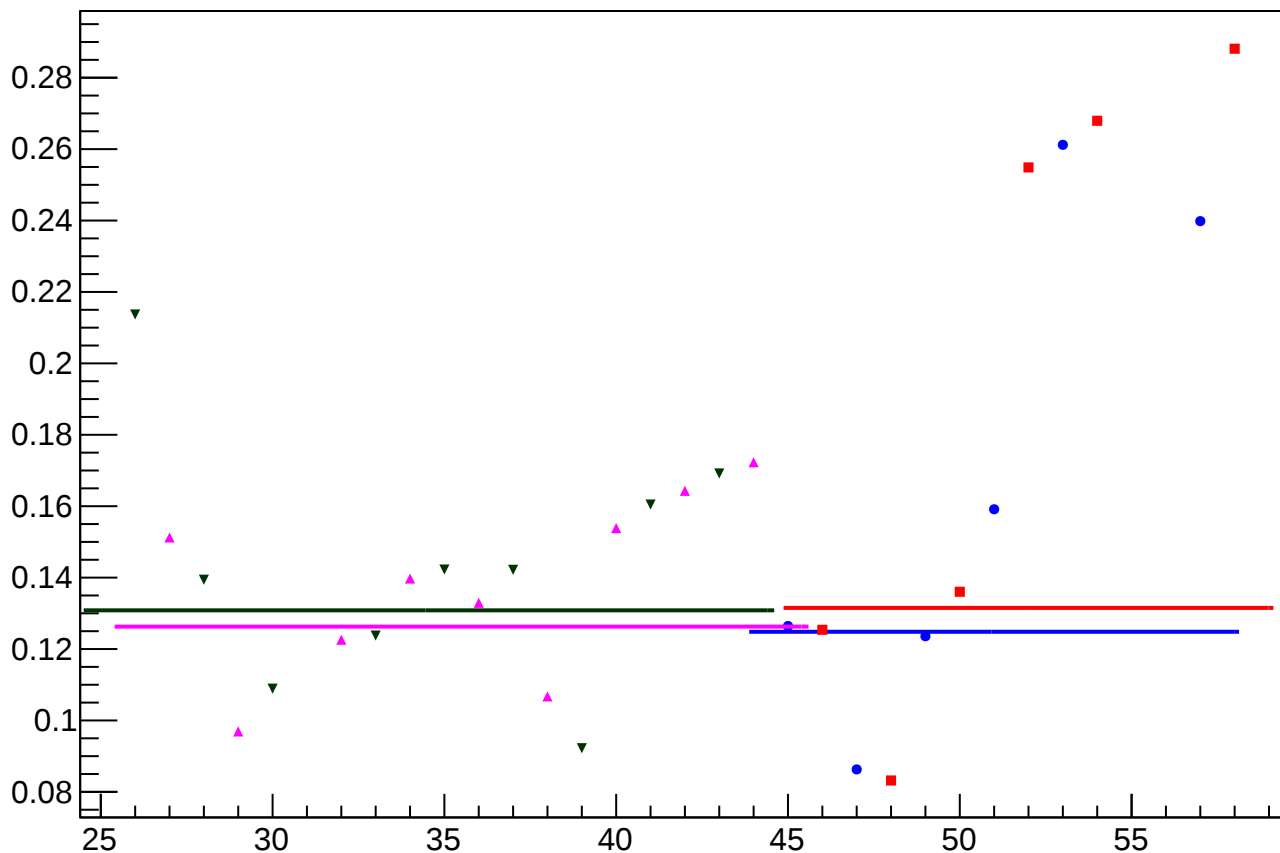
Right Out: 7.505 $\pm$ 0.000 χ^2 /NDF: 18863720.6/5

Left In: 8.646 $\pm$ 0.000 χ^2 /NDF: 53836286.5/8

8.068 $\pm$ 0.000 χ^2 /NDF: 209545886.2/14

8.312 $\pm$ 0.000 χ^2 /NDF: 194533551.7/14

yield_sam2_rms vs slug



Right In: 0.125+/-0.000 χ^2/NDF : 659488.6/5

Left Out: 0.131+/-0.000 χ^2/NDF : 435345.2/8

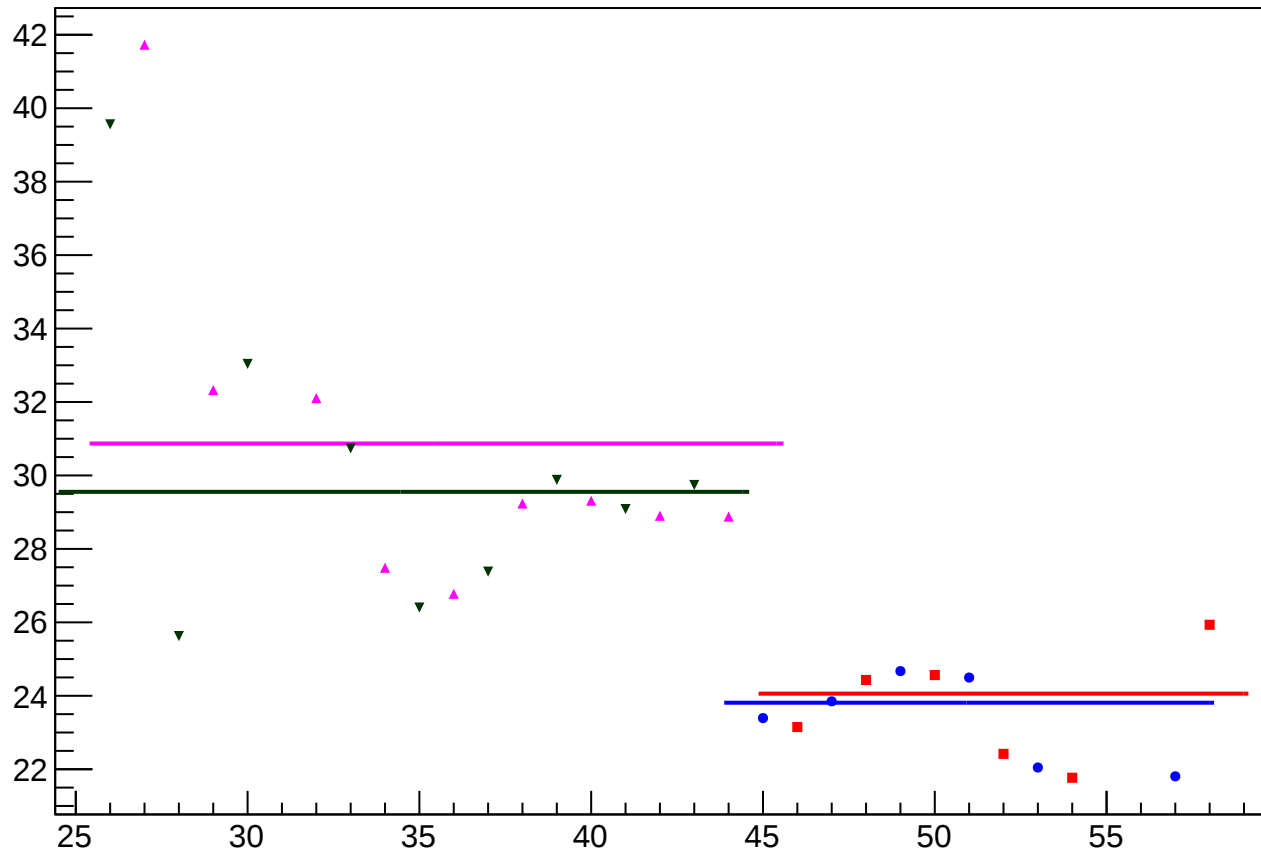
Right Out: 0.132+/-0.000 χ^2/NDF : 1075445.4/5

Left In: 0.126+/-0.000 χ^2/NDF : 385323.8/8

0.129+/-0.000 χ^2/NDF : 1101931.8/14

0.128+/-0.000 χ^2/NDF : 1465912.0/14

yield_sam3_mean vs slug



Right In: 23.812+/-0.000 χ^2/NDF : 6028698.9/5

Left Out: 29.554+/-0.000 χ^2/NDF : 93160989.6/8

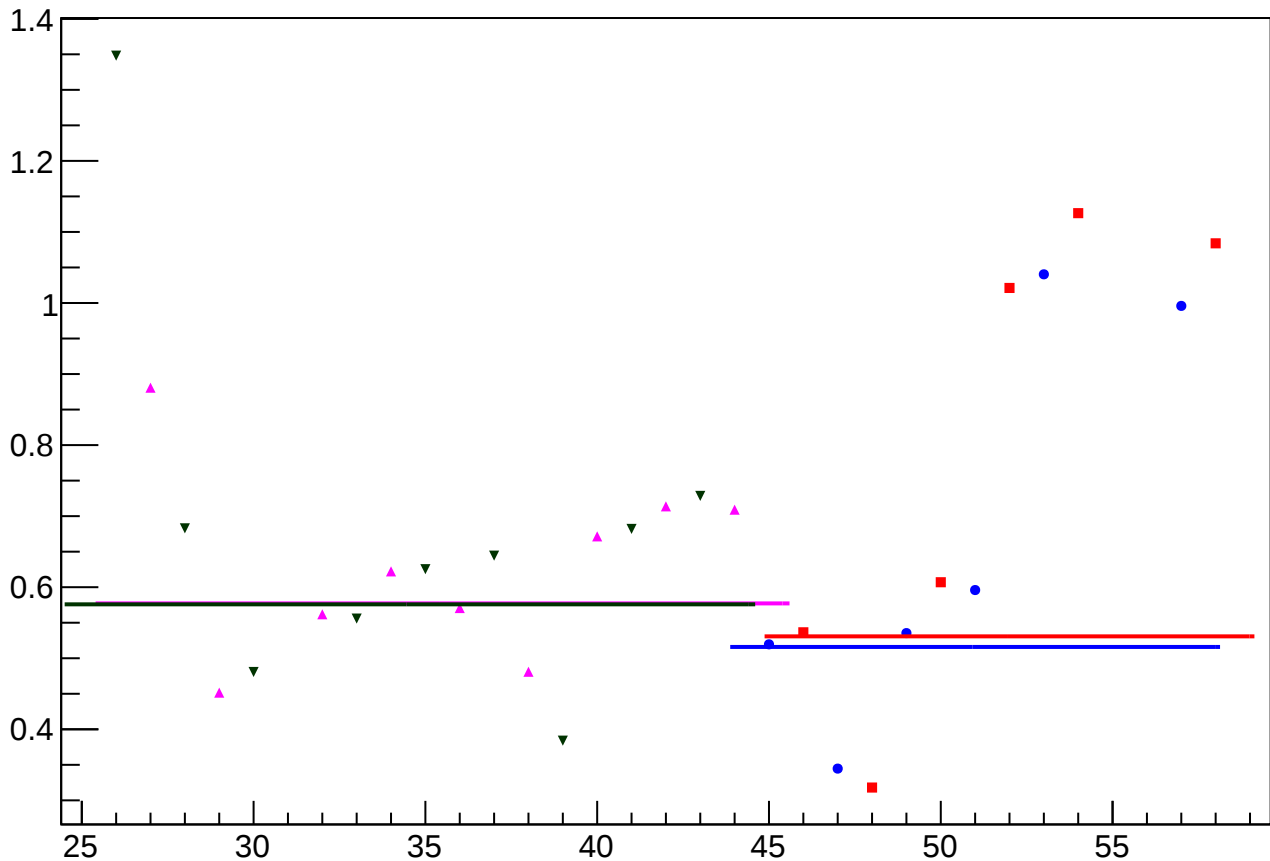
Right Out: 24.058+/-0.000 χ^2/NDF : 6949760.6/5

Left In: 30.869+/-0.000 χ^2/NDF : 179538741.3/8

27.119+/-0.000 χ^2/NDF : 275985097.3/14

28.528+/-0.000 χ^2/NDF : 426326406.1/14

yield_sam3_rms vs slug



Right In: 0.516+/-0.000 χ^2/NDF : 676950.3/5

Left Out: 0.576+/-0.000 χ^2/NDF : 671672.2/8

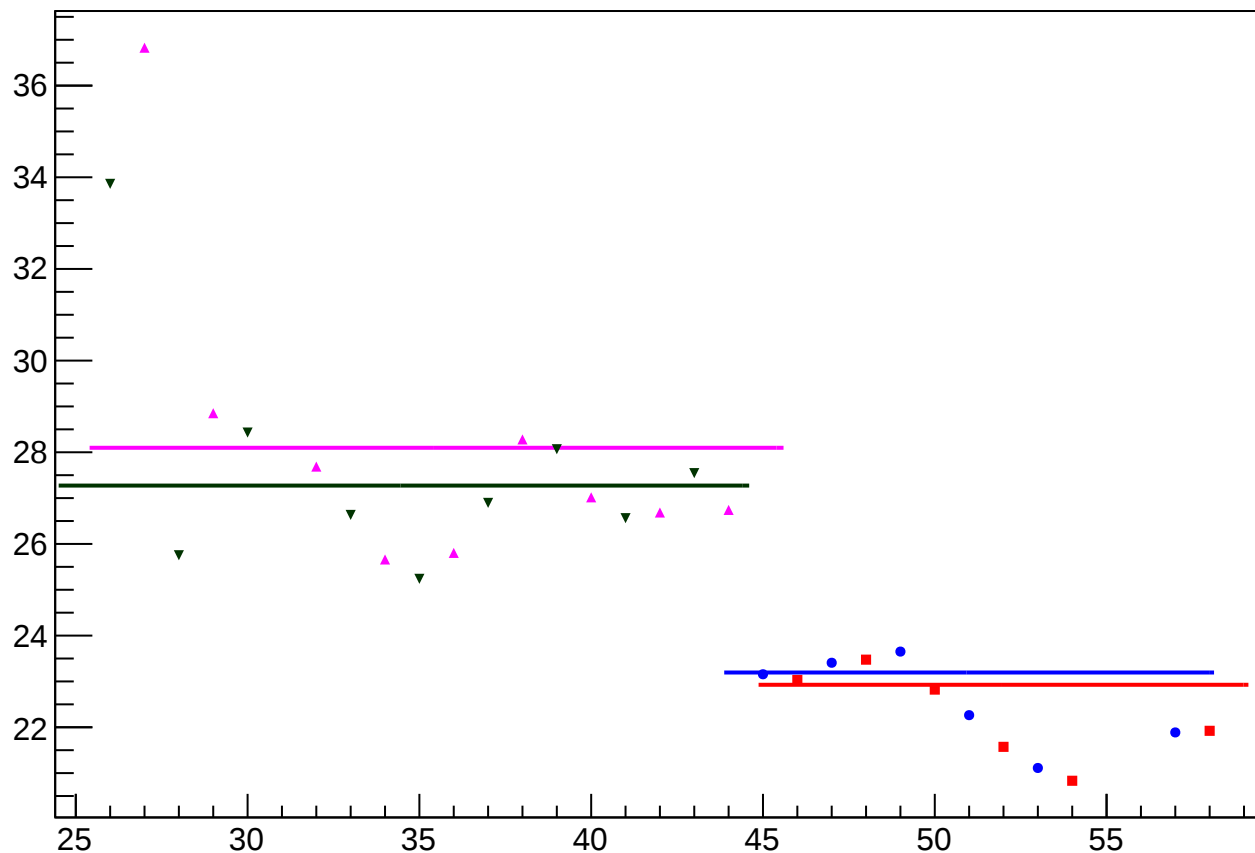
0.550+/-0.000 χ^2/NDF : 1387183.0/14

Right Out: 0.531+/-0.000 χ^2/NDF : 1160867.2/5

0.561+/-0.000 χ^2/NDF : 1612040.2/14

Left In: 0.577+/-0.000 χ^2/NDF : 428925.6/8

yield_sam4_mean vs slug



Right In: 23.195+/-0.000 χ^2/NDF : 11860947.9/5

Left Out: 27.273+/-0.000 χ^2/NDF : 91783516.1/8

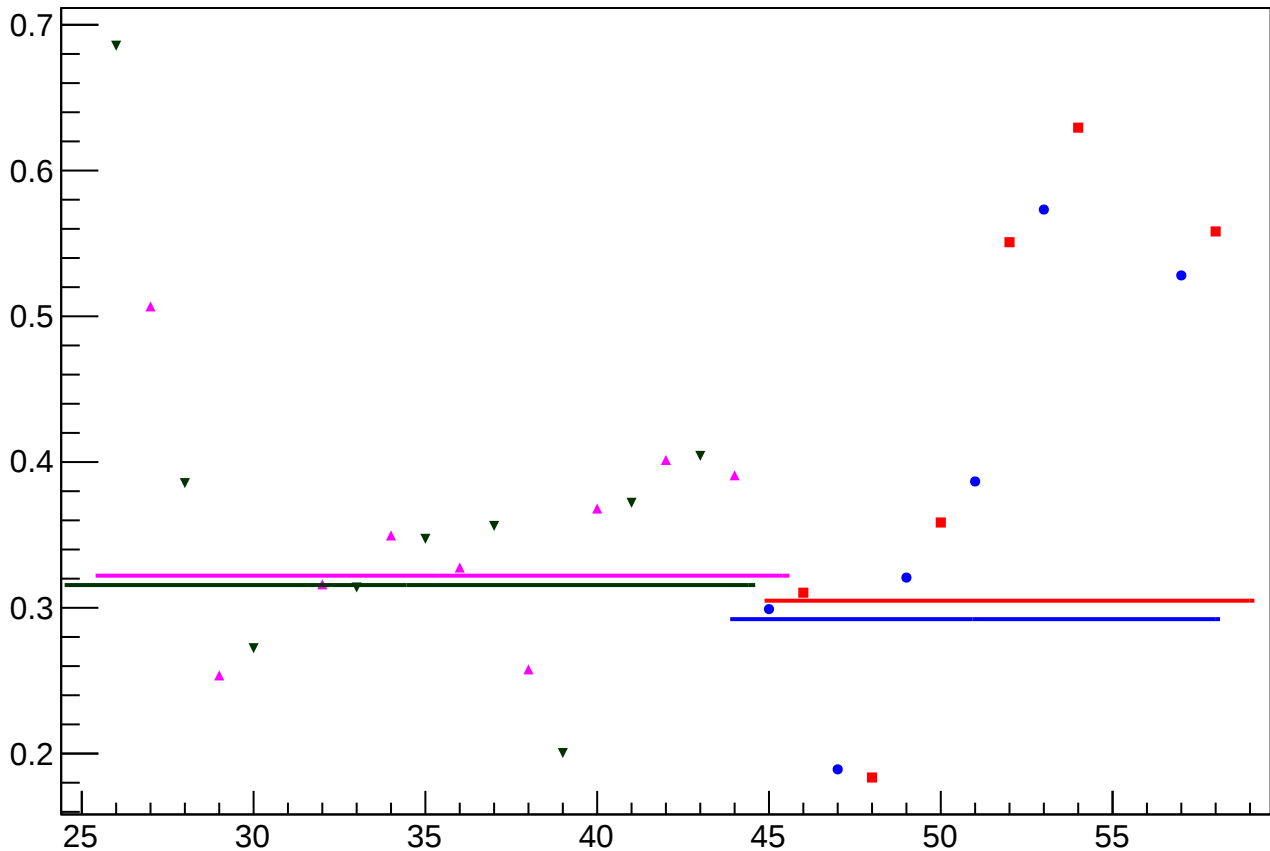
Right Out: 22.927+/-0.000 χ^2/NDF : 14170849.5/5

Left In: 28.098+/-0.000 χ^2/NDF : 296123459.5/8

25.625+/-0.000 χ^2/NDF : 389697161.8/14

26.372+/-0.000 χ^2/NDF : 742652000.1/14

yield_sam4_rms vs slug



Right In: 0.292 $\pm$ 0.000 χ^2 /NDF: 686682.8/5

Left Out: 0.316 $\pm$ 0.000 χ^2 /NDF: 711532.8/8

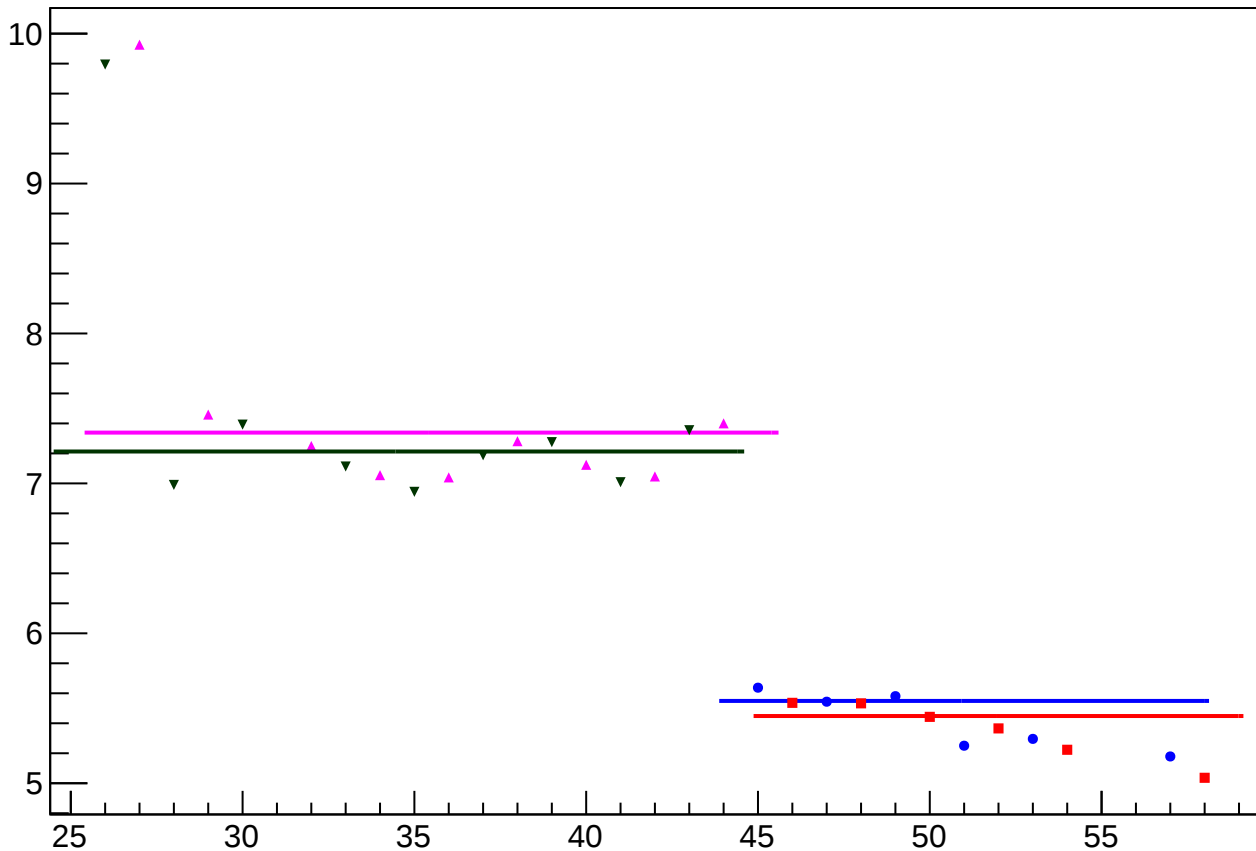
0.306 $\pm$ 0.000 χ^2 /NDF: 1417030.8/14

Right Out: 0.305 $\pm$ 0.000 χ^2 /NDF: 1059959.6/5

0.316 $\pm$ 0.000 χ^2 /NDF: 1531068.1/14

Left In: 0.322 $\pm$ 0.000 χ^2 /NDF: 461575.4/8

yield_sam5_mean vs slug



Right In: 5.549+/-0.000 χ^2/NDF : 95538727.6/5

Left Out: 7.213+/-0.000 χ^2/NDF : 2427551863.7/8

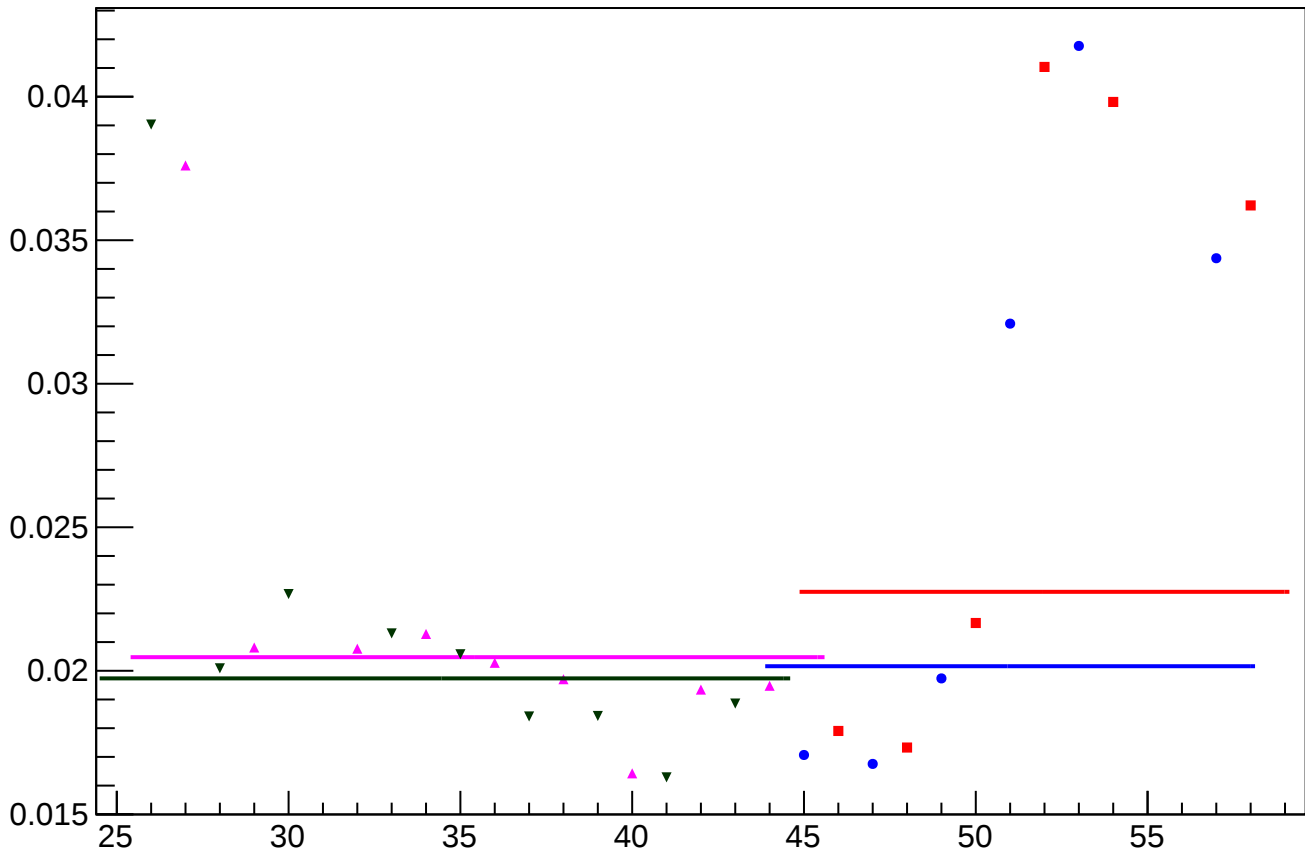
6.620+/-0.000 χ^2/NDF : 13752442274.5/14

Right Out: 5.448+/-0.000 χ^2/NDF : 90161296.2/5

6.826+/-0.000 χ^2/NDF : 16032246476.6/14

Left In: 7.339+/-0.000 χ^2/NDF : 4002199265.2/8

yield_sam5_rms vs slug



Right In: 0.020+/-0.000 χ^2/NDF : 498763.2/5

Left Out: 0.020+/-0.000 χ^2/NDF : 320845.5/8

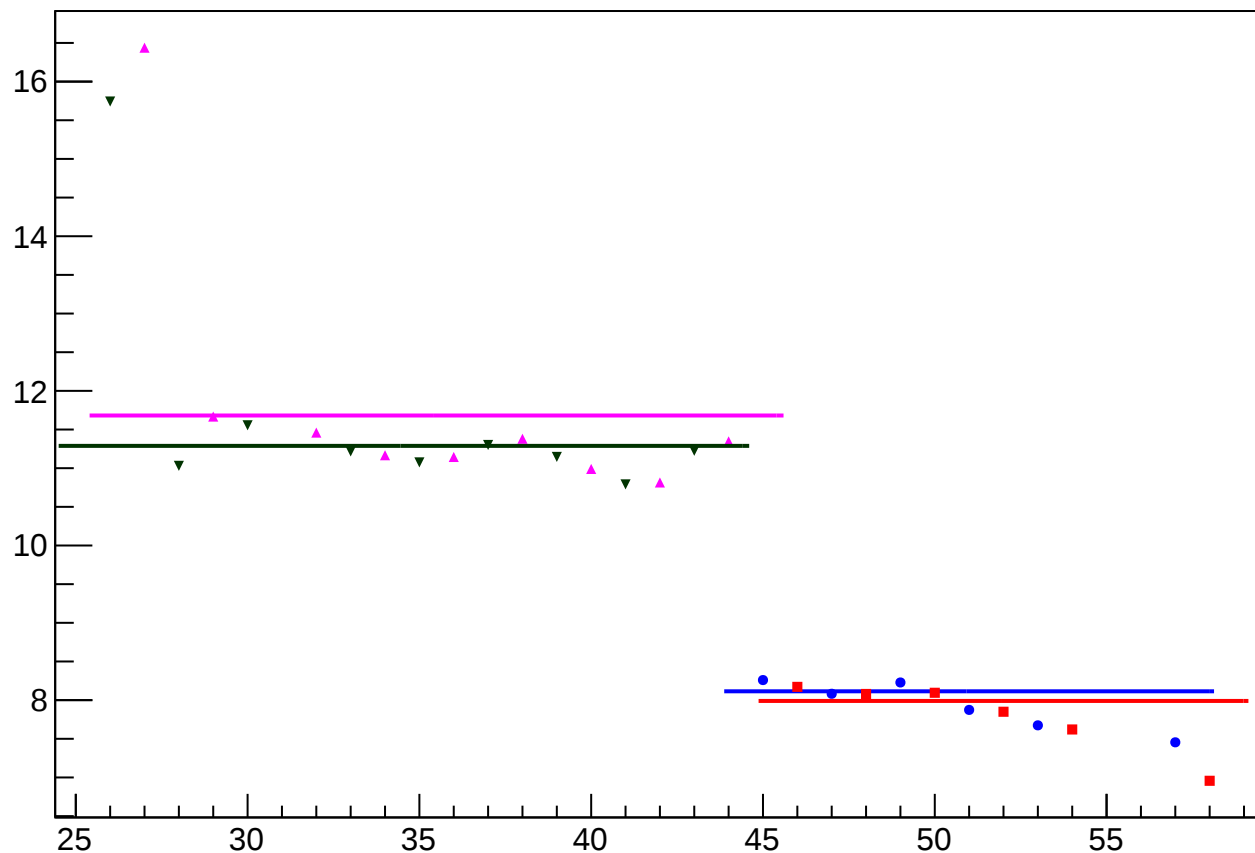
Right Out: 0.023+/-0.000 χ^2/NDF : 629117.4/5

Left In: 0.020+/-0.000 χ^2/NDF : 380331.0/8

0.020+/-0.000 χ^2/NDF : 821067.3/14

0.021+/-0.000 χ^2/NDF : 1044081.1/14

yield_sam6_mean vs slug



Right In: 8.114+/-0.000 χ^2/NDF : 33143479.4/5

Left Out: 11.289+/-0.000 χ^2/NDF : 475112866.3/8

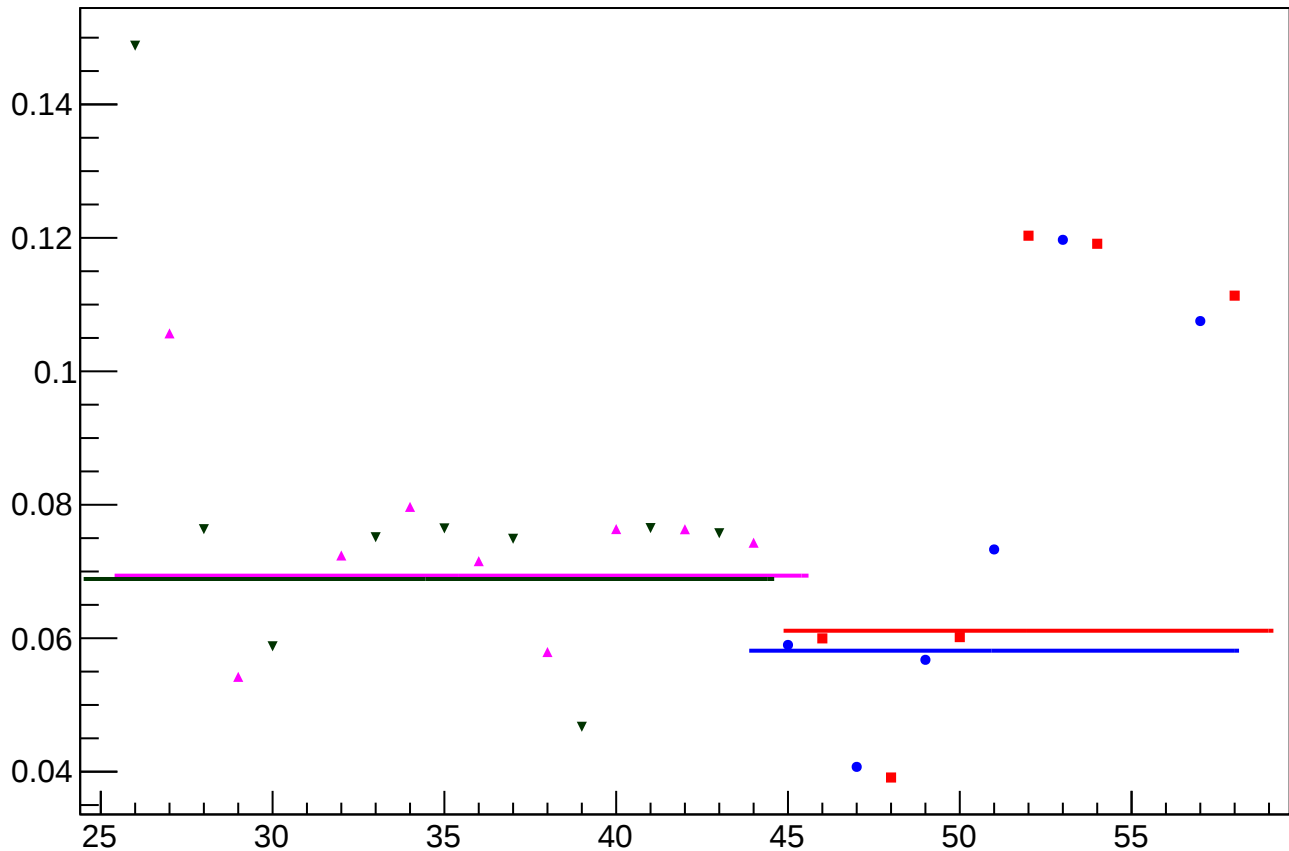
Right Out: 7.990+/-0.000 χ^2/NDF : 54351710.8/5

Left In: 11.681+/-0.000 χ^2/NDF : 1757981772.9/8

9.850+/-0.000 χ^2/NDF : 4621888412.4/14

10.307+/-0.000 χ^2/NDF : 7182784438.3/14

yield_sam6_rms vs slug



Right In: 0.058+/-0.000 χ^2/NDF : 617434.6/5

Left Out: 0.069+/-0.000 χ^2/NDF : 542333.9/8

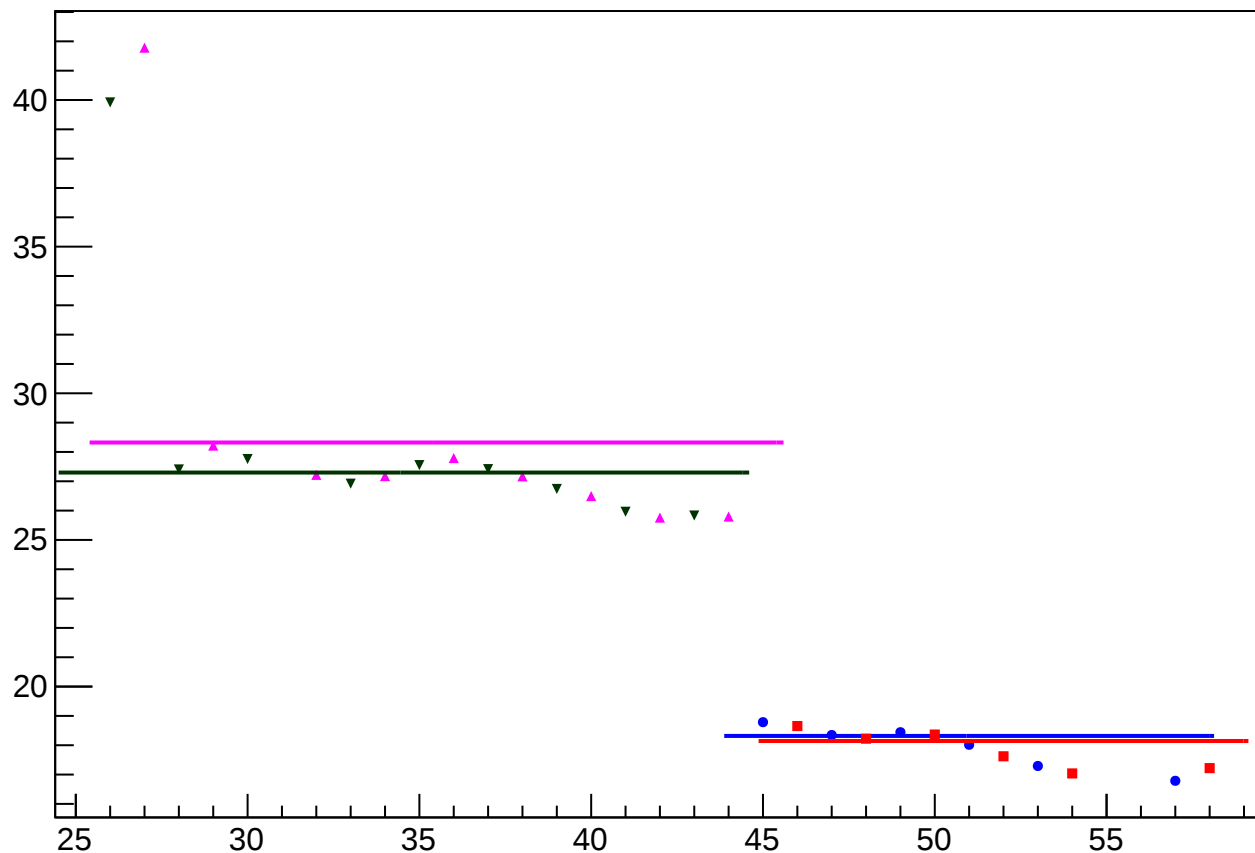
Right Out: 0.061+/-0.000 χ^2/NDF : 945574.4/5

Left In: 0.069+/-0.000 χ^2/NDF : 382716.0/8

0.064+/-0.000 χ^2/NDF : 1254066.7/14

0.066+/-0.000 χ^2/NDF : 1382014.3/14

yield_sam7_mean vs slug



Right In: 18.318+/-0.000 χ^2/NDF : 111640006.6/5

Left Out: 27.298+/-0.000 χ^2/NDF :1975060613.1/8

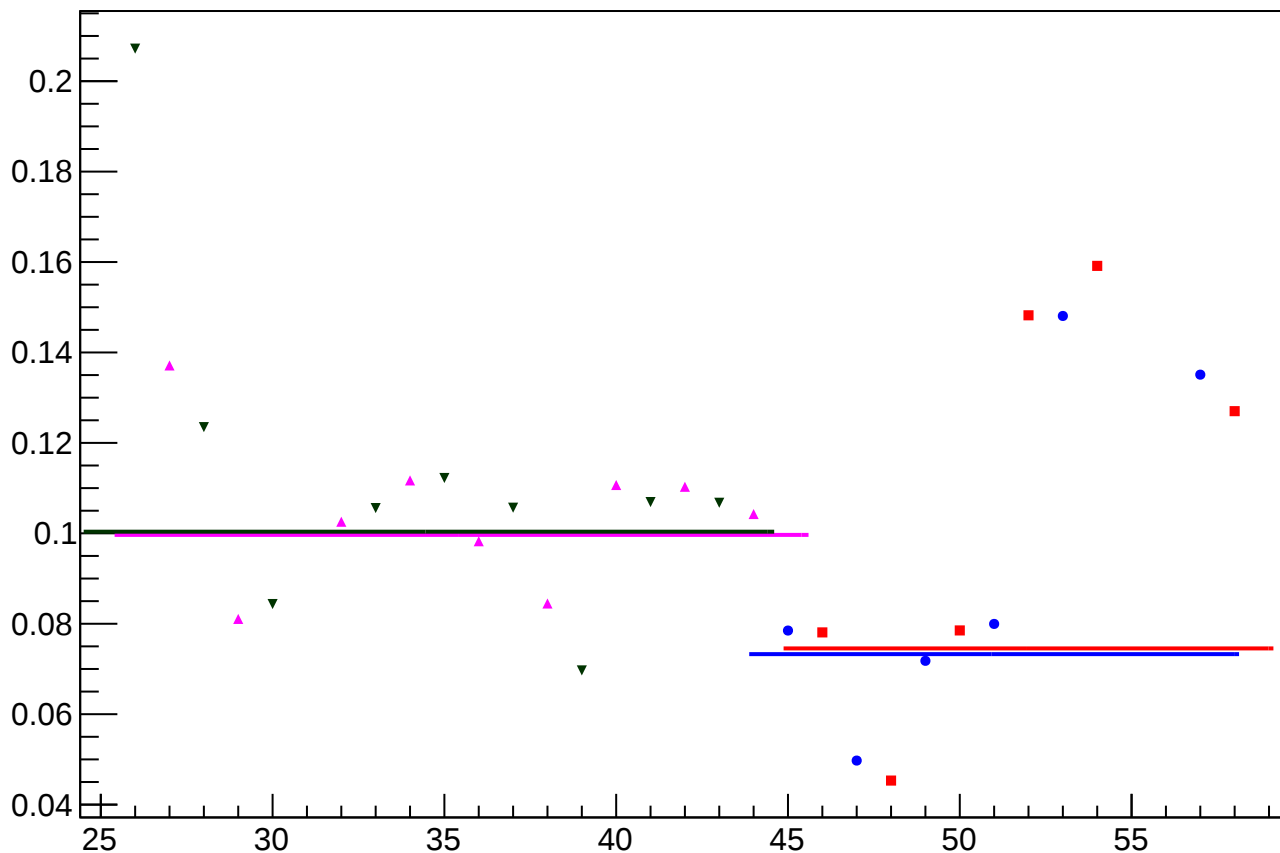
Right Out: 18.145+/-0.000 χ^2/NDF : 78950103.3/5

Left In: 28.322+/-0.000 χ^2/NDF :8116696622.8/8

22.597+/-0.000 χ^2/NDF : 19840800801.8/14

23.802+/-0.000 χ^2/NDF : 31643951569.3/14

yield_sam7_rms vs slug



Right In: 0.073+/-0.000 χ^2/NDF : 638317.2/5

Left Out: 0.100+/-0.000 χ^2/NDF : 509899.4/8

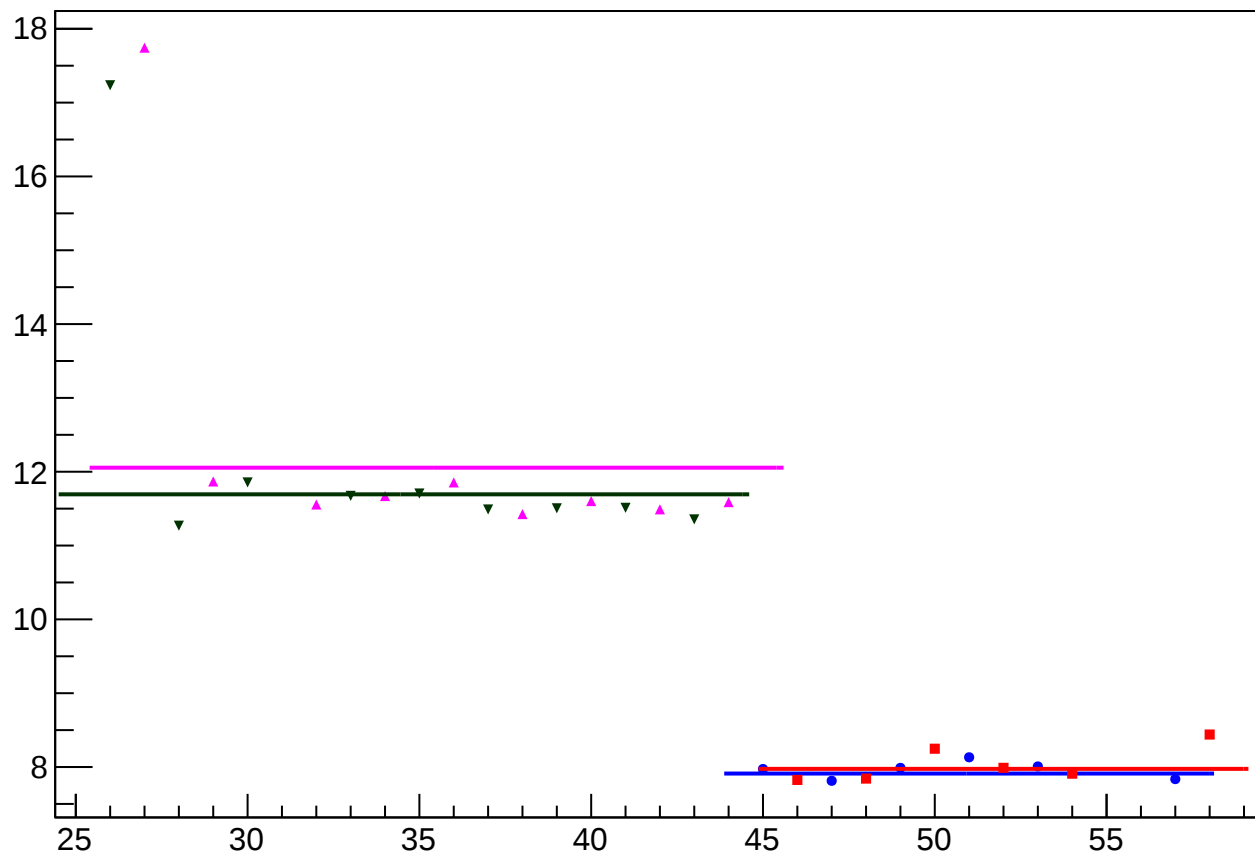
Right Out: 0.075+/-0.000 χ^2/NDF : 1052792.4/5

Left In: 0.100+/-0.000 χ^2/NDF : 255418.8/8

0.086+/-0.000 χ^2/NDF : 1471097.4/14

0.089+/-0.000 χ^2/NDF : 1593623.4/14

yield_sam8_mean vs slug



Right In: 7.912 $\pm$ 0.000 χ^2 /NDF: 14558048.8/5

Left Out: 11.694 $\pm$ 0.000 χ^2 /NDF:1571804703.3/8

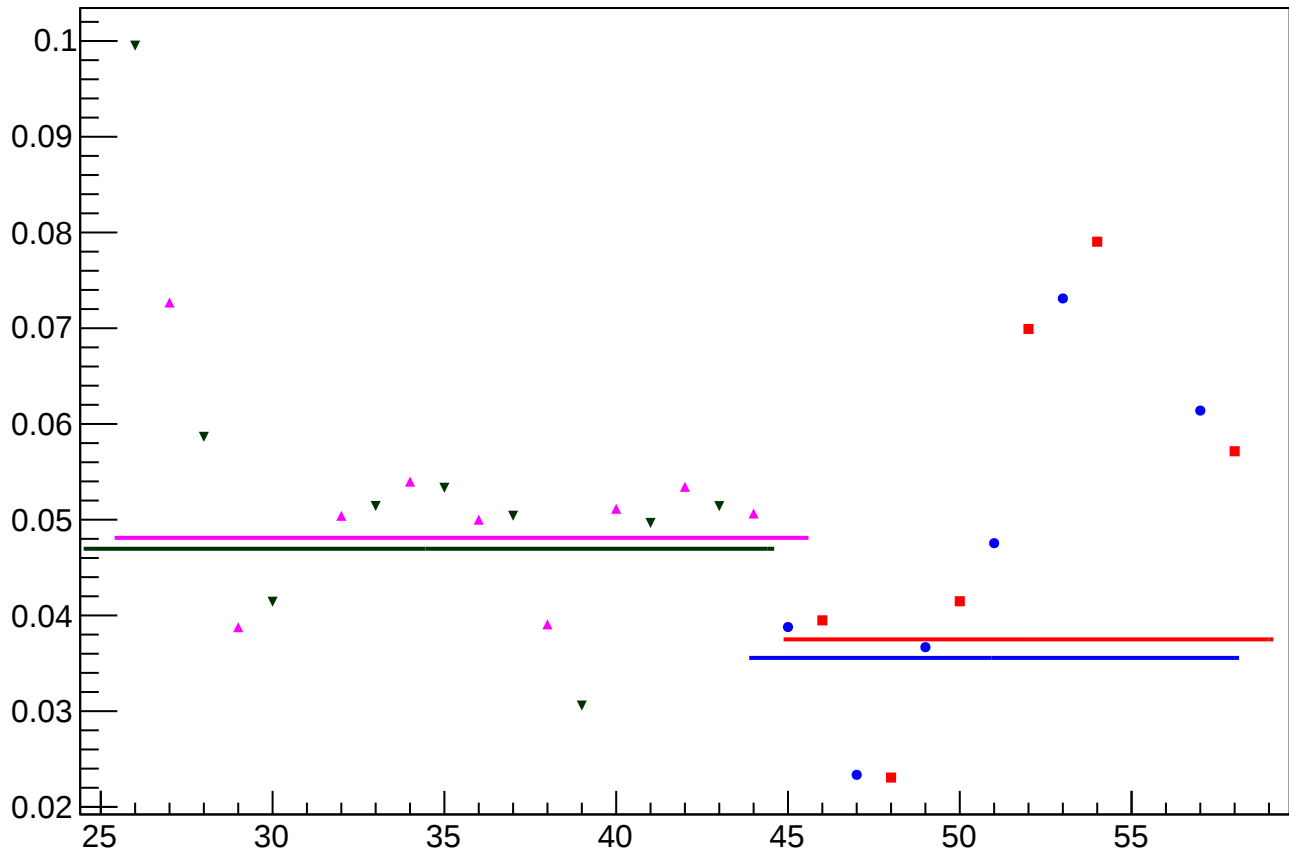
Right Out: 7.975 $\pm$ 0.000 χ^2 /NDF: 70040046.9/5

Left In: 12.055 $\pm$ 0.000 χ^2 /NDF:5109226136.0/8

9.802 $\pm$ 0.000 χ^2 /NDF: 15558240928.2/14

10.325 $\pm$ 0.000 χ^2 /NDF: 20696134903.0/14

yield_sam8_rms vs slug



Right In: 0.036+/-0.000 χ^2/NDF : 665212.2/5

Left Out: 0.047+/-0.000 χ^2/NDF : 612154.7/8

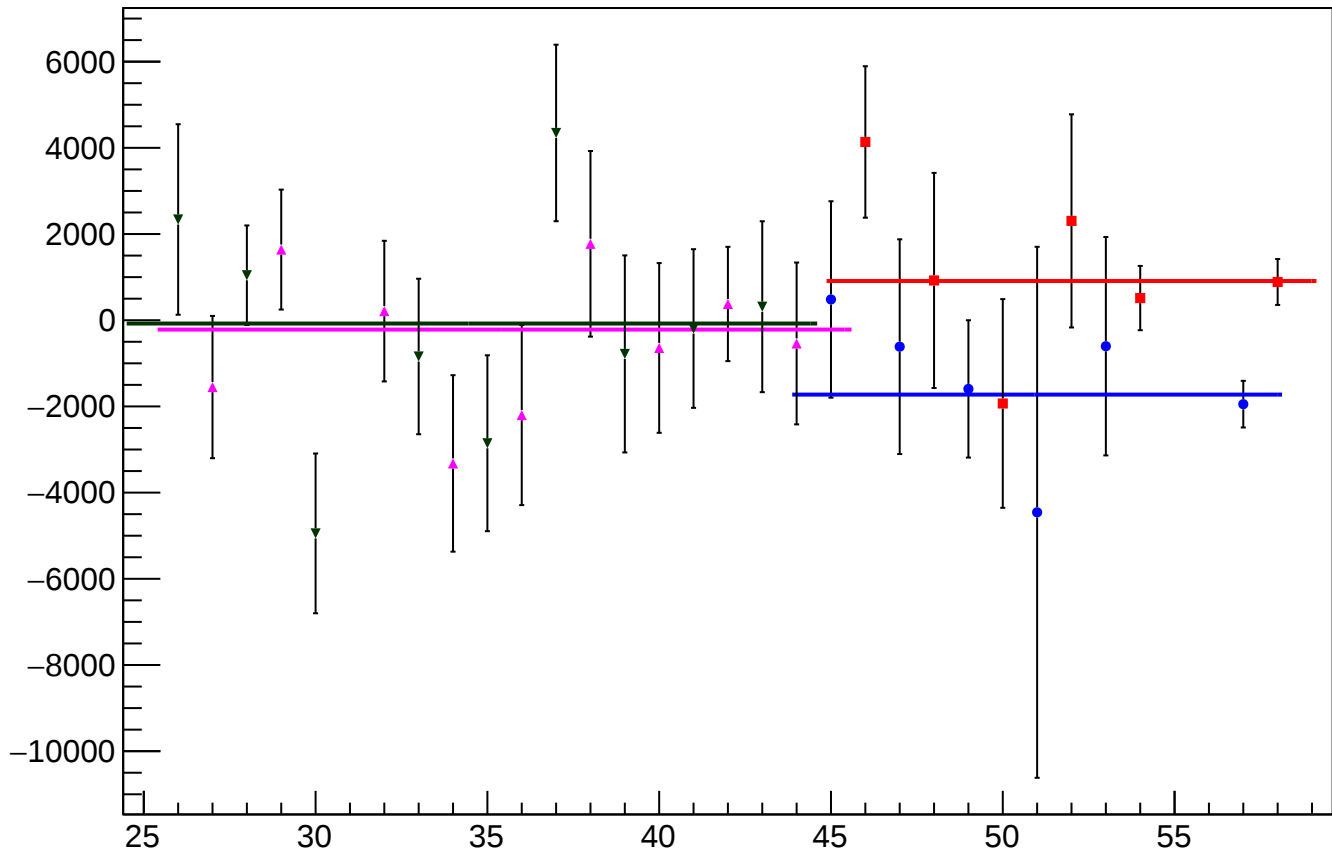
Right Out: 0.037+/-0.000 χ^2/NDF : 943497.8/5

Left In: 0.048+/-0.000 χ^2/NDF : 348766.4/8

0.041+/-0.000 χ^2/NDF : 1531257.9/14

0.044+/-0.000 χ^2/NDF : 1501928.0/14

cor_sam1_mean vs slug



Right In: -1725.524 $\pm$ 479.707 χ^2 /NDF: 1.7/5

Left Out: -76.487 $\pm$ 600.613 χ^2 /NDF: 15.9/8

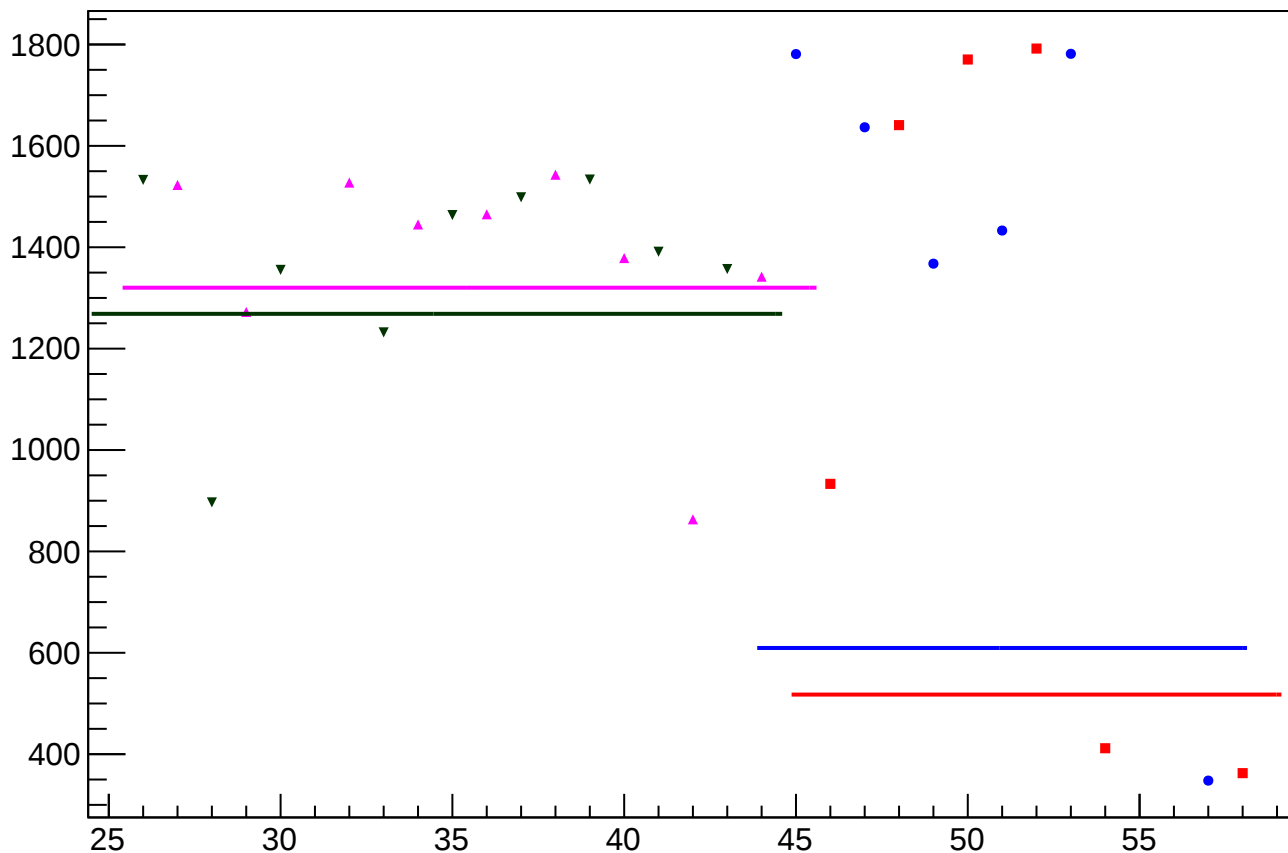
Right Out: 909.775 $\pm$ 403.437 χ^2 /NDF: 5.3/5

Left In: -216.843 $\pm$ 572.349 χ^2 /NDF: 6.8/8

-1083.278 $\pm$ 374.826 χ^2 /NDF: 22.2/14

535.814 $\pm$ 329.751 χ^2 /NDF: 14.8/14

cor_sam1_rms vs slug



Right In: 609.531+/-0.339 χ^2/NDF : 2252539.6/5

Left Out: 1268.658+/-0.425 χ^2/NDF :324399.1/8

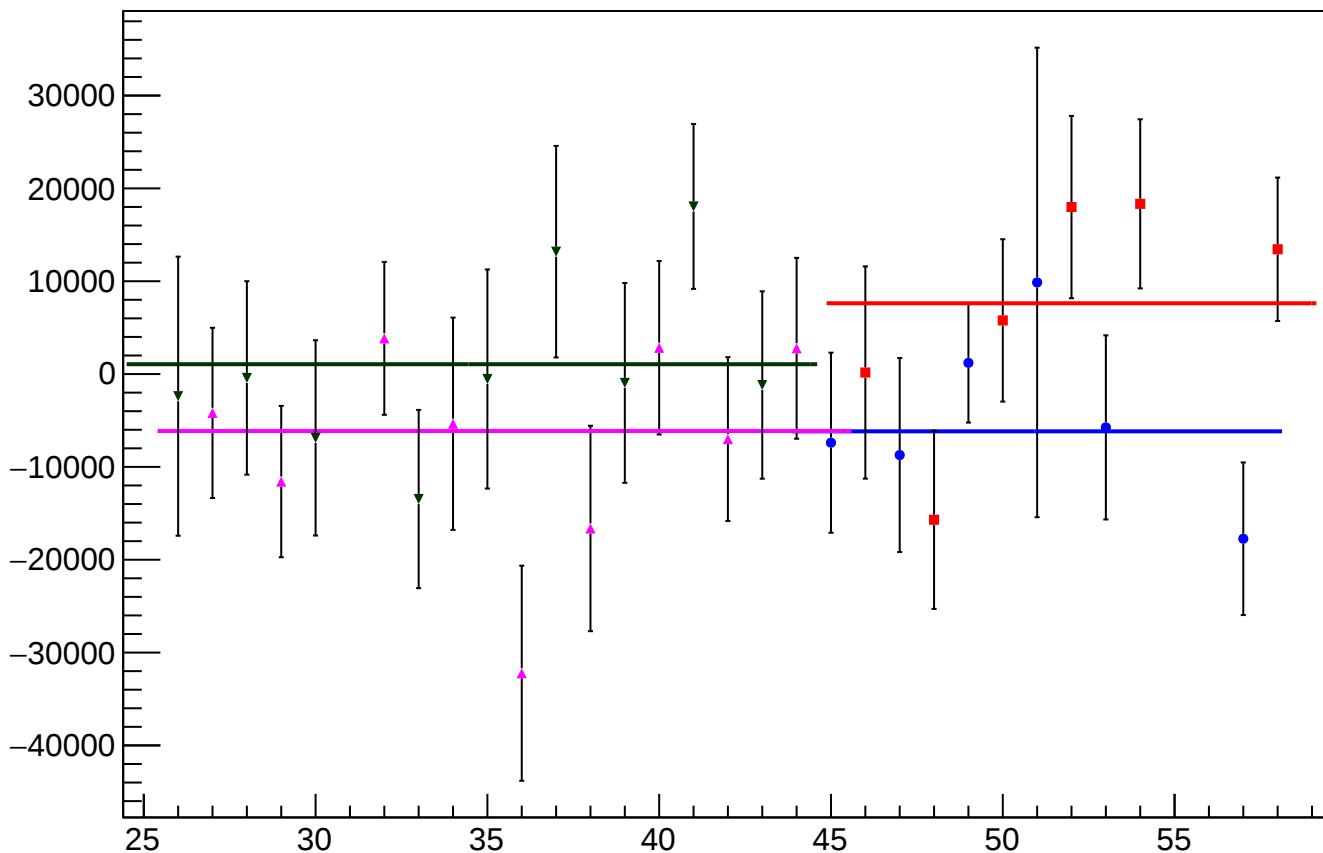
Right Out: 517.575+/-0.285 χ^2/NDF : 1793348.2/5

Left In: 1320.223+/-0.405 χ^2/NDF :342759.8/8

866.240+/-0.265 χ^2/NDF : 4047513.9/14

784.000+/-0.233 χ^2/NDF : 4763826.2/14

cor_sam2_mean vs slug



Right In: -6168.271+/-3766.285 χ^2/NDF : 3.8/5

Left Out: 1060.376+/-3545.636 χ^2/NDF : 7.8/8

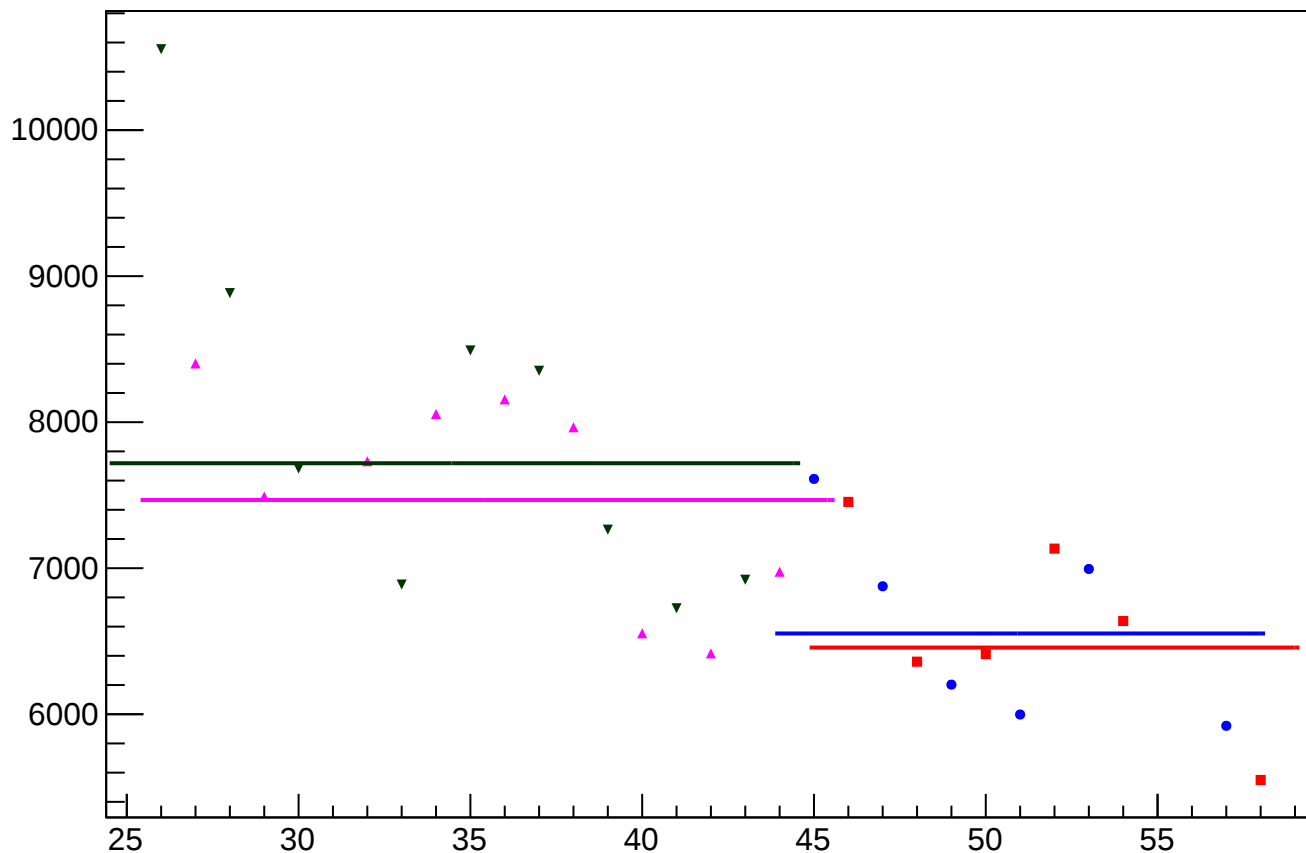
Right Out: 7625.793+/-3759.057 χ^2/NDF : 9.4/5

Left In: -6136.125+/-3165.179 χ^2/NDF : 9.7/8

-2336.010+/-2581.625 χ^2/NDF : 13.6/14

-426.880+/-2421.189 χ^2/NDF : 27.0/14

cor_sam2_rms vs slug



Right In: 6553.089+/-2.663 χ^2/NDF : 48426.2/5

Left Out: 7718.910+/-2.507 χ^2/NDF :166985.2/8

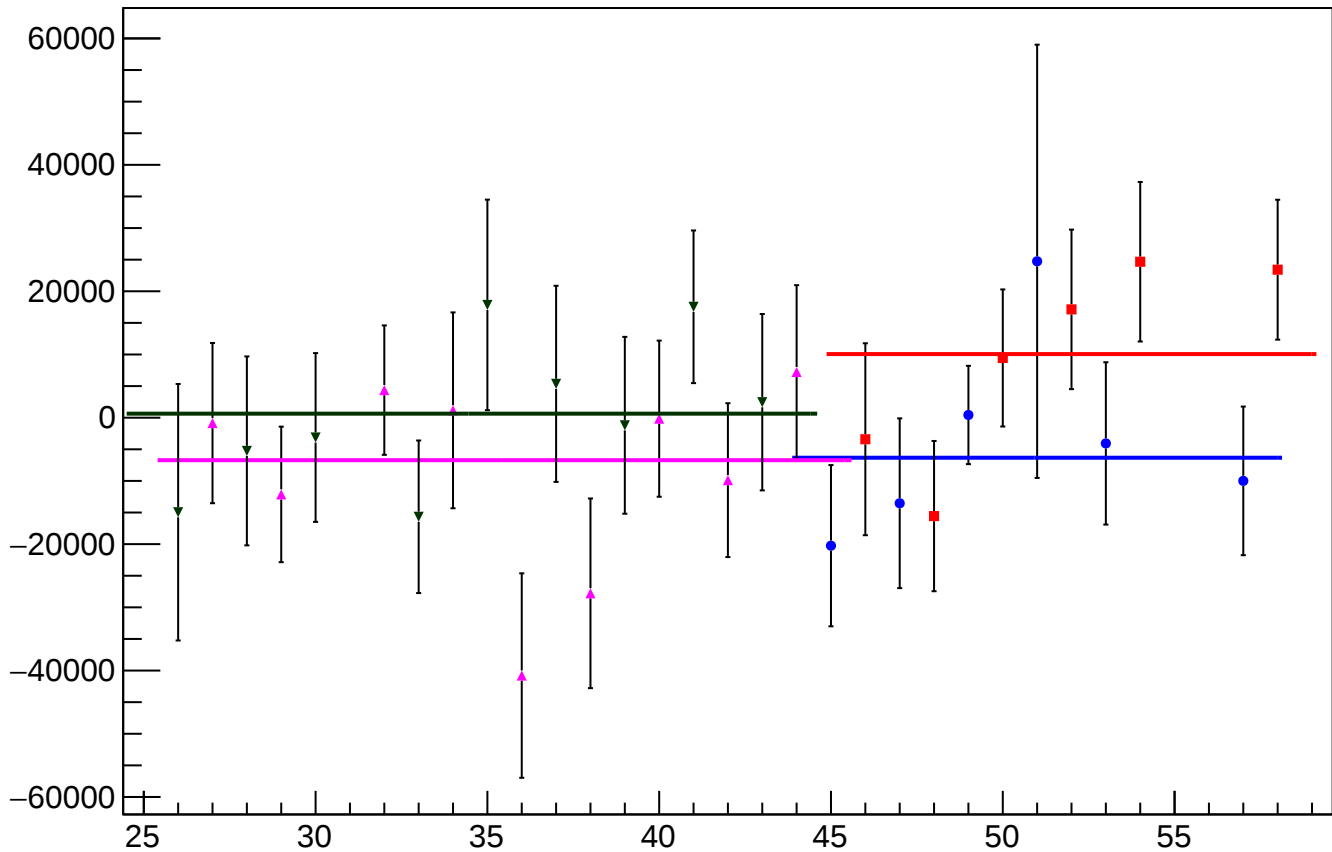
Right Out: 6456.735+/-2.658 χ^2/NDF : 53381.9/5

Left In: 7467.189+/-2.238 χ^2/NDF :91848.7/8

7171.148+/-1.825 χ^2/NDF : 317004.7/14

7047.994+/-1.712 χ^2/NDF : 229790.8/14

cor_sam3_mean vs slug



Right In: -6331.479+/-4857.196 χ^2/NDF : 3.2/5

Left Out: 639.789+/-4753.910 χ^2/NDF : 5.8/8

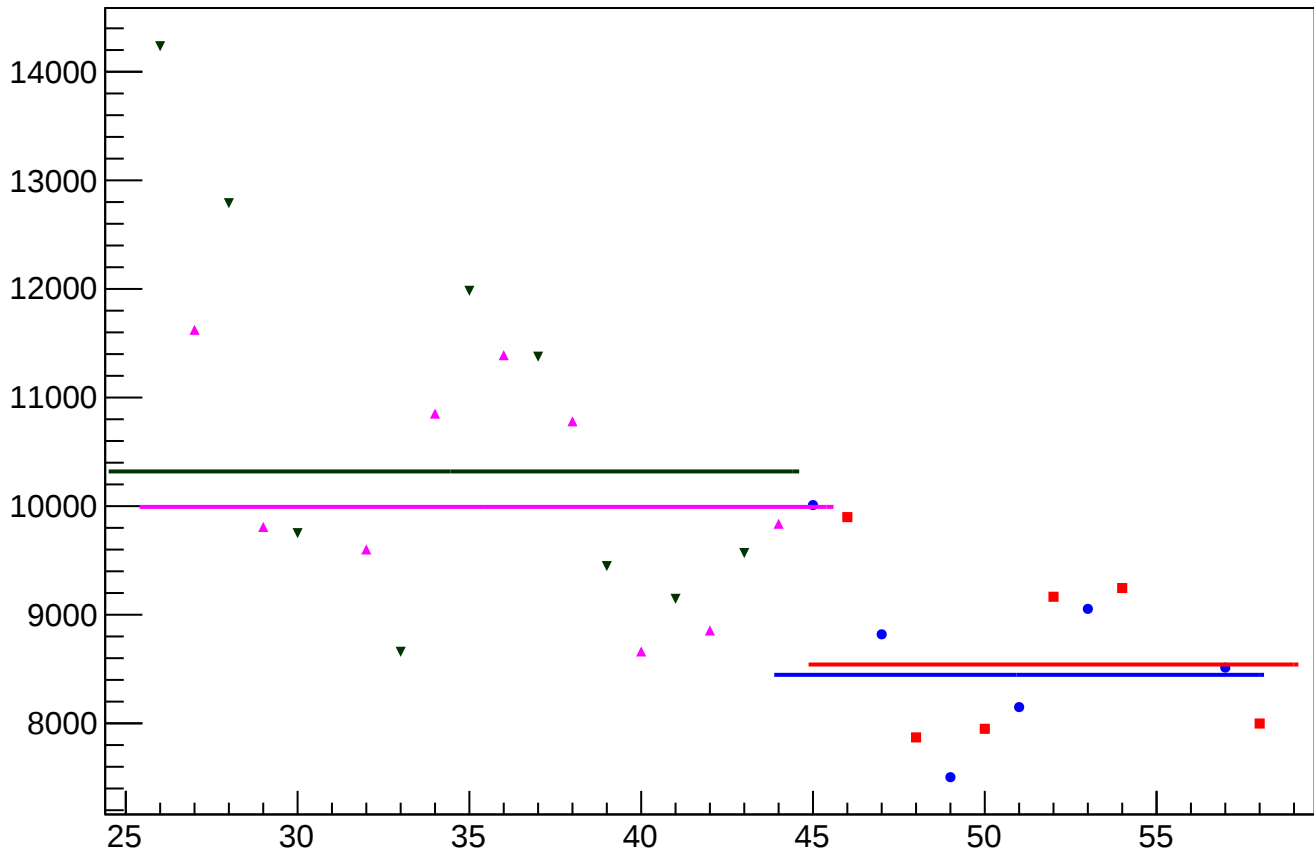
Right Out: 10064.734+/-4959.548 χ^2/NDF : 8.6/5

Left In: -6721.702+/-4244.047 χ^2/NDF : 9.7/8

-2770.937+/-3397.450 χ^2/NDF : 10.0/14

374.354+/-3224.567 χ^2/NDF : 24.9/14

cor_sam3_rms vs slug



Right In: 8446.693+/-3.435 χ^2/NDF : 65666.7/5

Left Out: 10319.525+/-3.362 χ^2/NDF : 232272.2/8

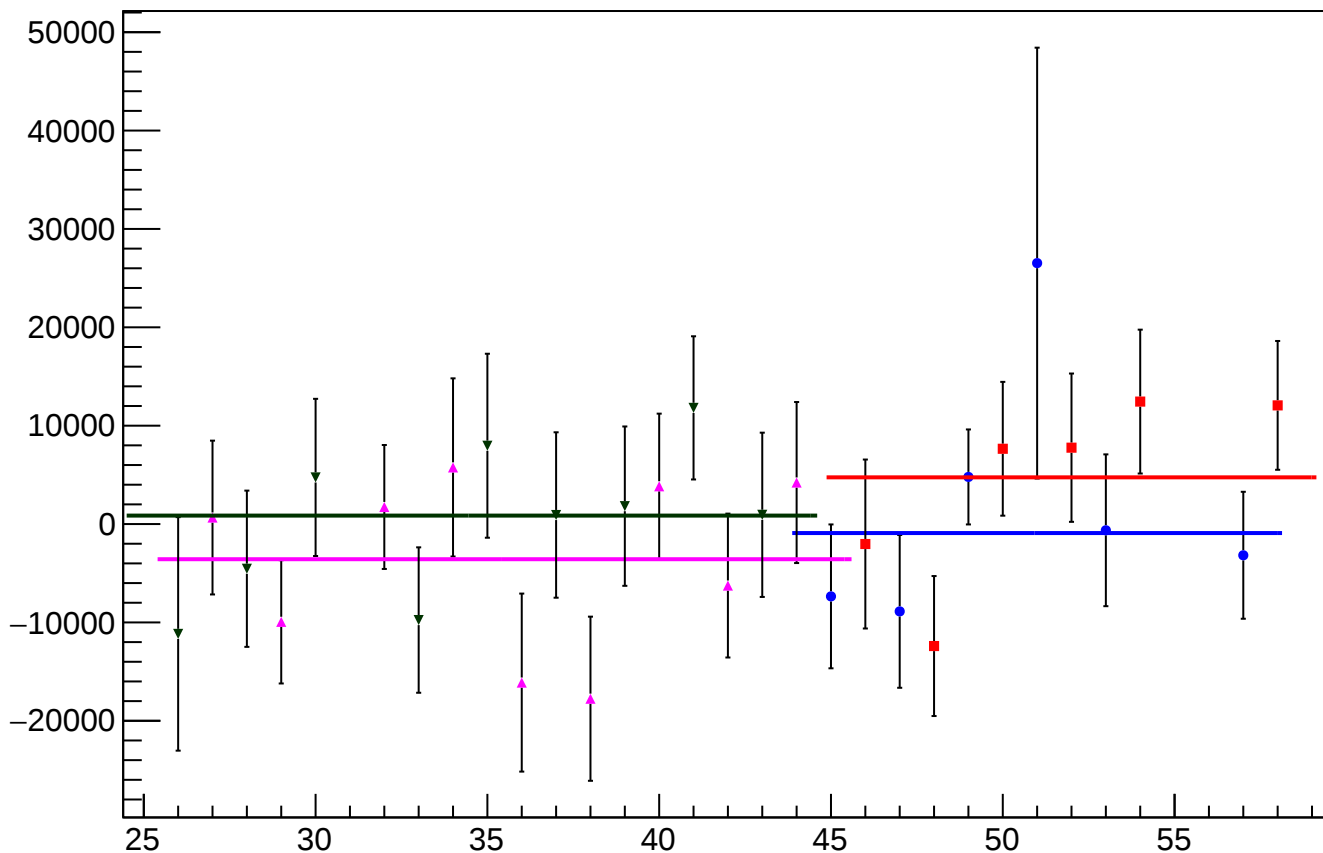
Right Out: 8541.813+/-3.507 χ^2/NDF : 44268.4/5

Left In: 9993.116+/-3.001 χ^2/NDF : 104211.5/8

9403.233+/-2.402 χ^2/NDF : 449804.9/14

9379.613+/-2.280 χ^2/NDF : 247345.1/14

cor_sam4_mean vs slug



Right In: -914.777 $\pm$ 2873.972 χ^2 /NDF: 4.9/5

Left Out: 860.253 $\pm$ 2763.123 χ^2 /NDF:6.6/8

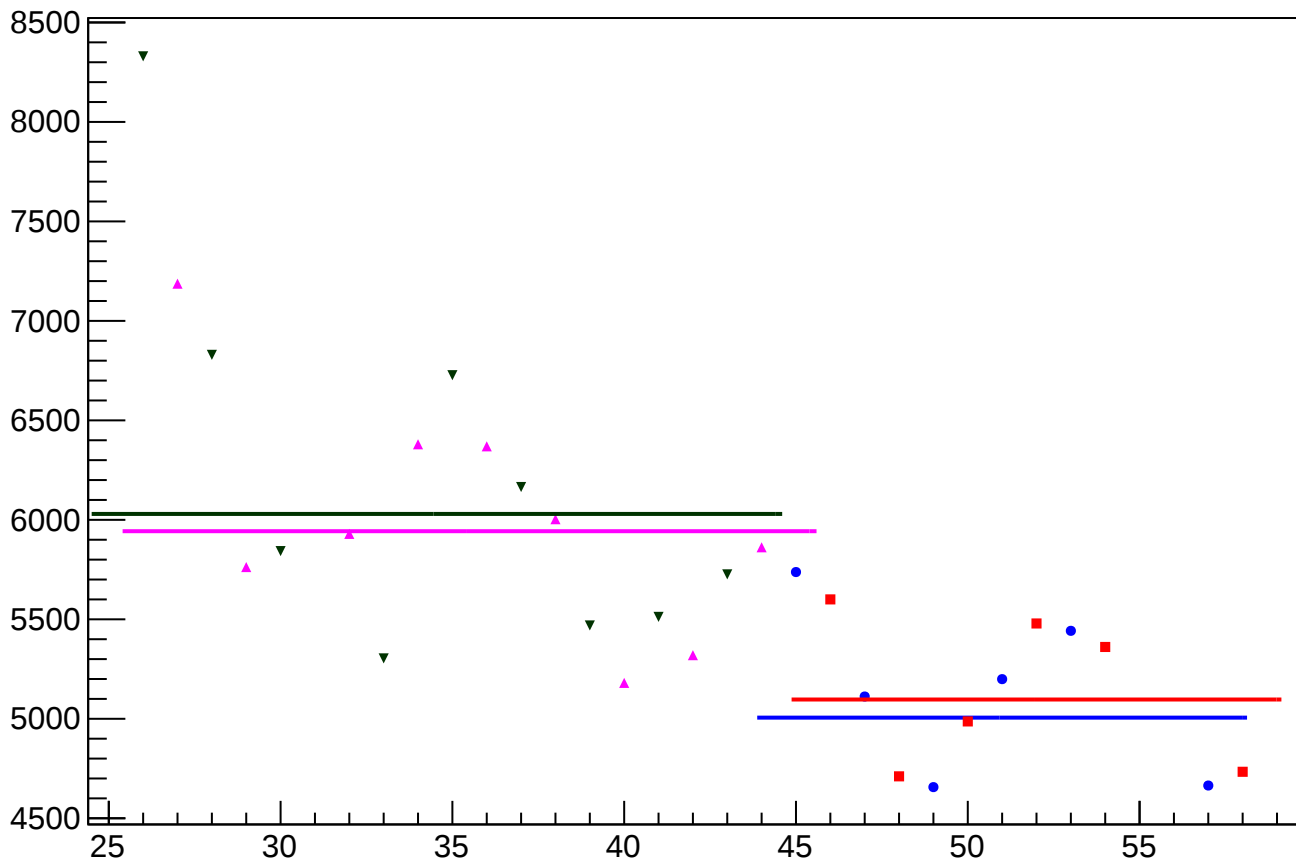
Right Out: 4748.059 $\pm$ 2954.356 χ^2 /NDF: 9.1/5

Left In: -3574.359 $\pm$ 2517.724 χ^2 /NDF:10.0/8

7.629 $\pm$ 1991.858 χ^2 /NDF: 11.8/14

-73.018 $\pm$ 1916.264 χ^2 /NDF: 23.7/14

cor_sam4_rms vs slug



Right In: 5005.850+/-2.032 χ^2/NDF : 43010.7/5

Left Out: 6029.703+/-1.954 χ^2/NDF :149738.9/8

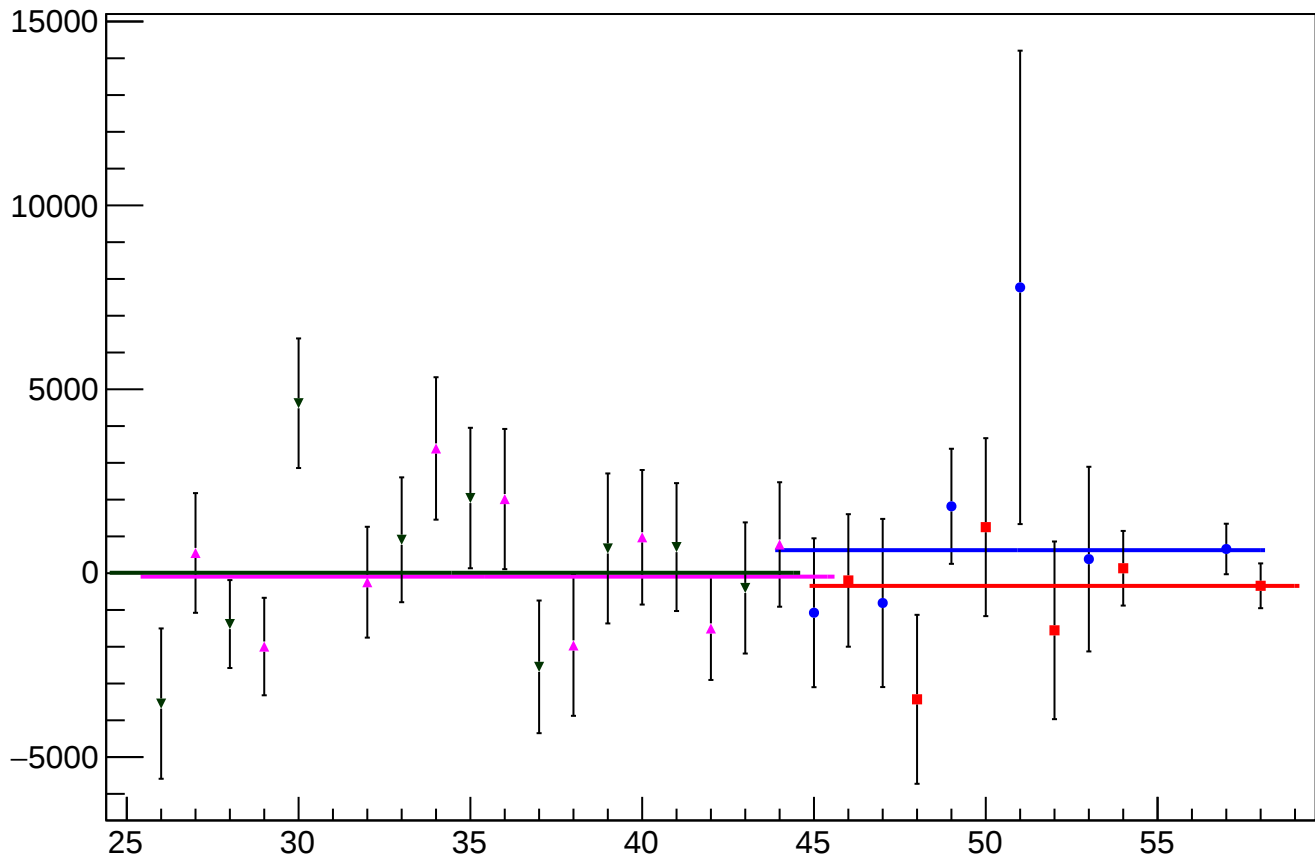
Right Out: 5096.944+/-2.089 χ^2/NDF : 27191.0/5

Left In: 5942.884+/-1.780 χ^2/NDF :97554.3/8

5537.902+/-1.408 χ^2/NDF : 324653.3/14

5586.986+/-1.355 χ^2/NDF : 219735.3/14

cor_sam5_mean vs slug



Right In: 625.670+/-563.666 χ^2/NDF : 2.9/5

Left Out: 11.403+/-570.182 χ^2/NDF : 15.0/8

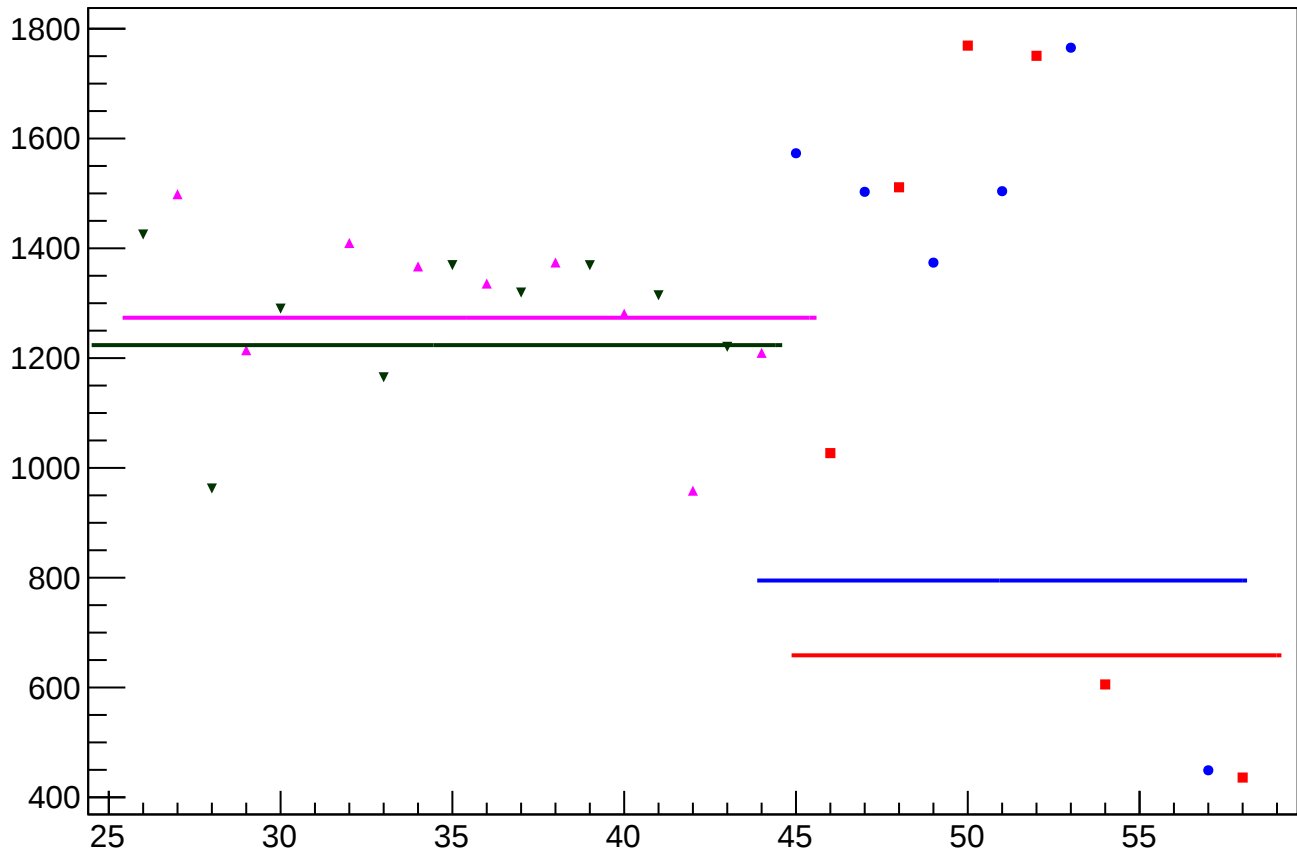
Right Out: -345.521+/-471.007 χ^2/NDF : 2.7/5

Left In: -93.953+/-545.533 χ^2/NDF : 9.3/8

322.066+/-400.856 χ^2/NDF : 18.5/14

-238.081+/-356.513 χ^2/NDF : 12.1/14

cor_sam5_rms vs slug



Right In: 794.874+/-0.399 χ^2/NDF : 1591567.3/5

Left Out: 1223.657+/-0.403 χ^2/NDF :153036.7/8

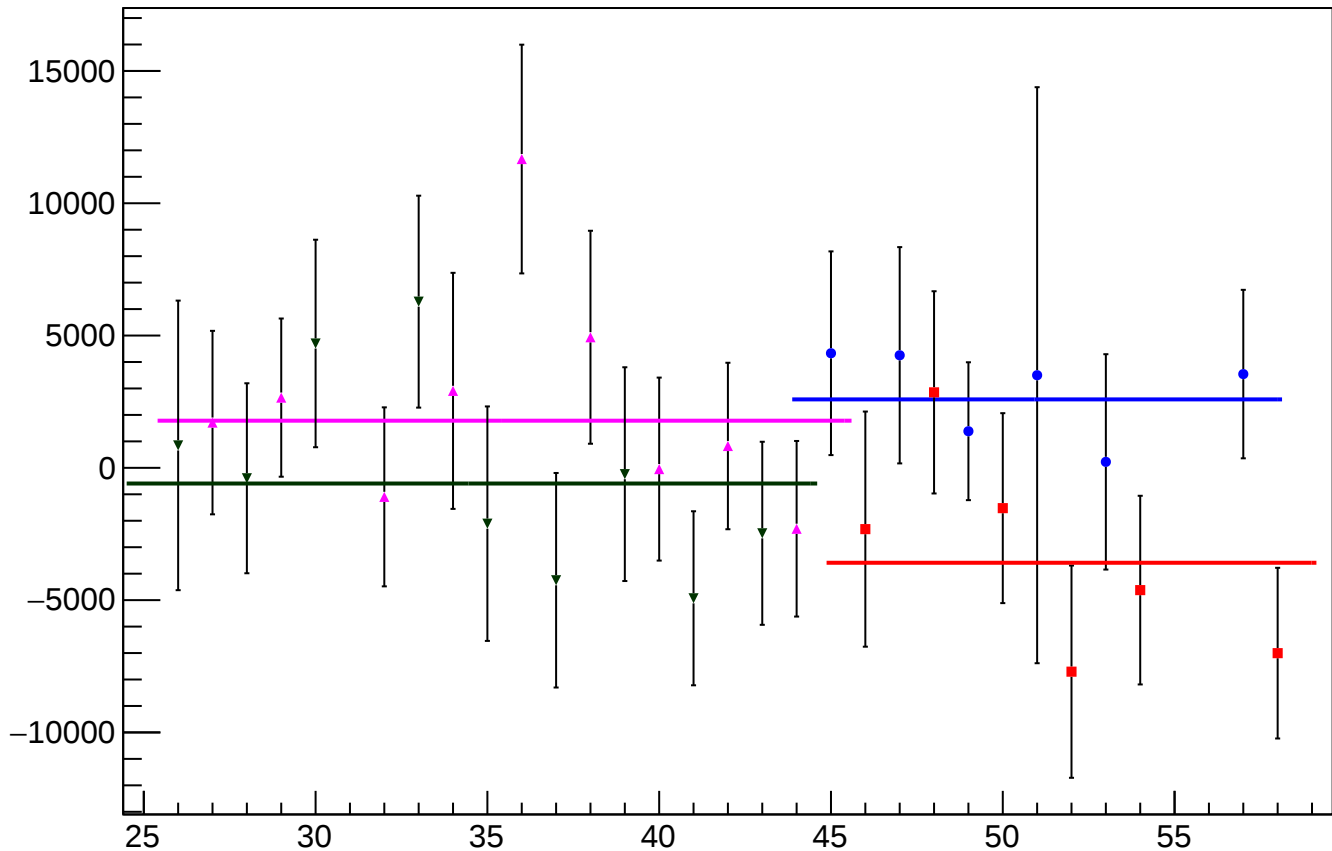
Right Out: 658.616+/-0.333 χ^2/NDF : 1462268.5/5

Left In: 1273.541+/-0.386 χ^2/NDF :174992.2/8

1006.802+/-0.283 χ^2/NDF : 2316625.9/14

921.238+/-0.252 χ^2/NDF : 3093142.8/14

cor_sam6_mean vs slug



Right In: 2586.745 $\pm$ 1503.940 $\chi^2/\text{NDF}: 1.0/5$

Left Out: -592.543 $\pm$ 1304.748 $\chi^2/\text{NDF}: 7.8/8$

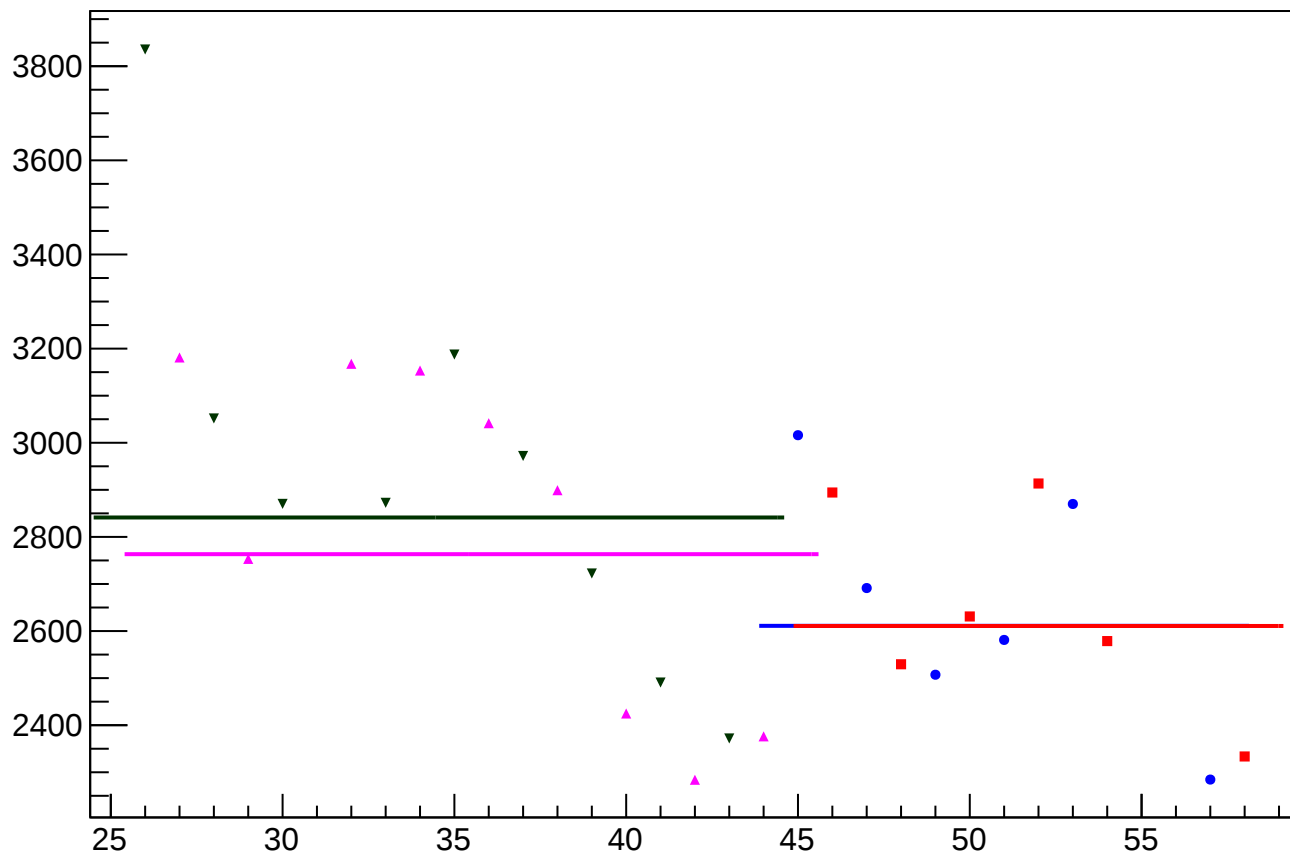
Right Out: -3587.595 $\pm$ 1518.513 $\chi^2/\text{NDF}: 5.5/5$

Left In: 1782.022 $\pm$ 1175.711 $\chi^2/\text{NDF}: 8.6/8$

772.754 $\pm$ 985.551 $\chi^2/\text{NDF}: 11.4/14$

-230.463 $\pm$ 929.636 $\chi^2/\text{NDF}: 21.9/14$

cor_sam6_rms vs slug



Right In: 2611.079+/-1.063 χ^2/NDF : 55242.1/5

Left Out: 2841.264+/-0.923 χ^2/NDF : 148700.6/8

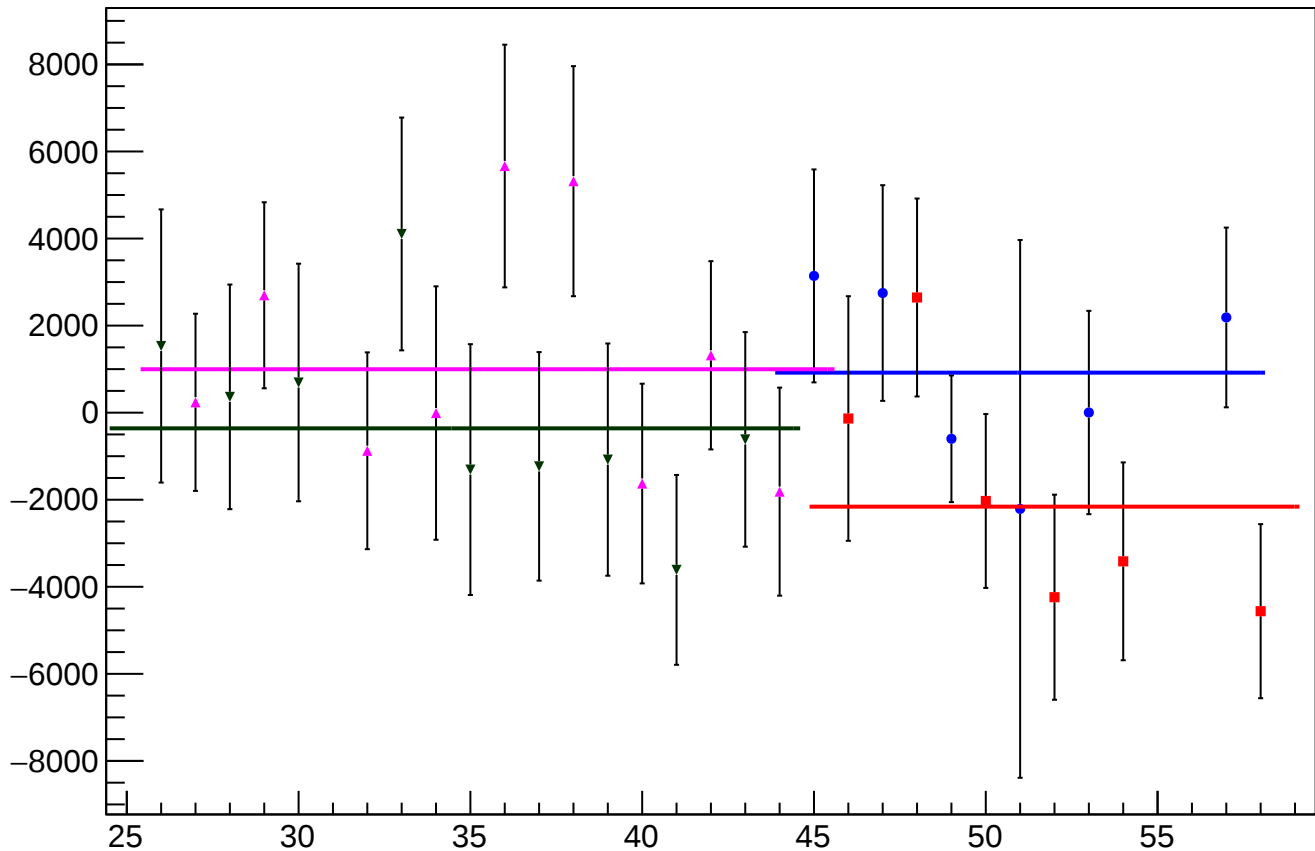
Right Out: 2610.788+/-1.074 χ^2/NDF : 35437.6/5

Left In: 2763.332+/-0.831 χ^2/NDF : 176305.8/8

2742.415+/-0.697 χ^2/NDF : 230674.5/14

2706.160+/-0.657 χ^2/NDF : 224361.9/14

cor_sam7_mean vs slug



Right In: 919.231 $\pm$ 895.732 χ^2 /NDF: 3.2/5

Left Out: -360.260 $\pm$ 874.765 χ^2 /NDF: 5.9/8

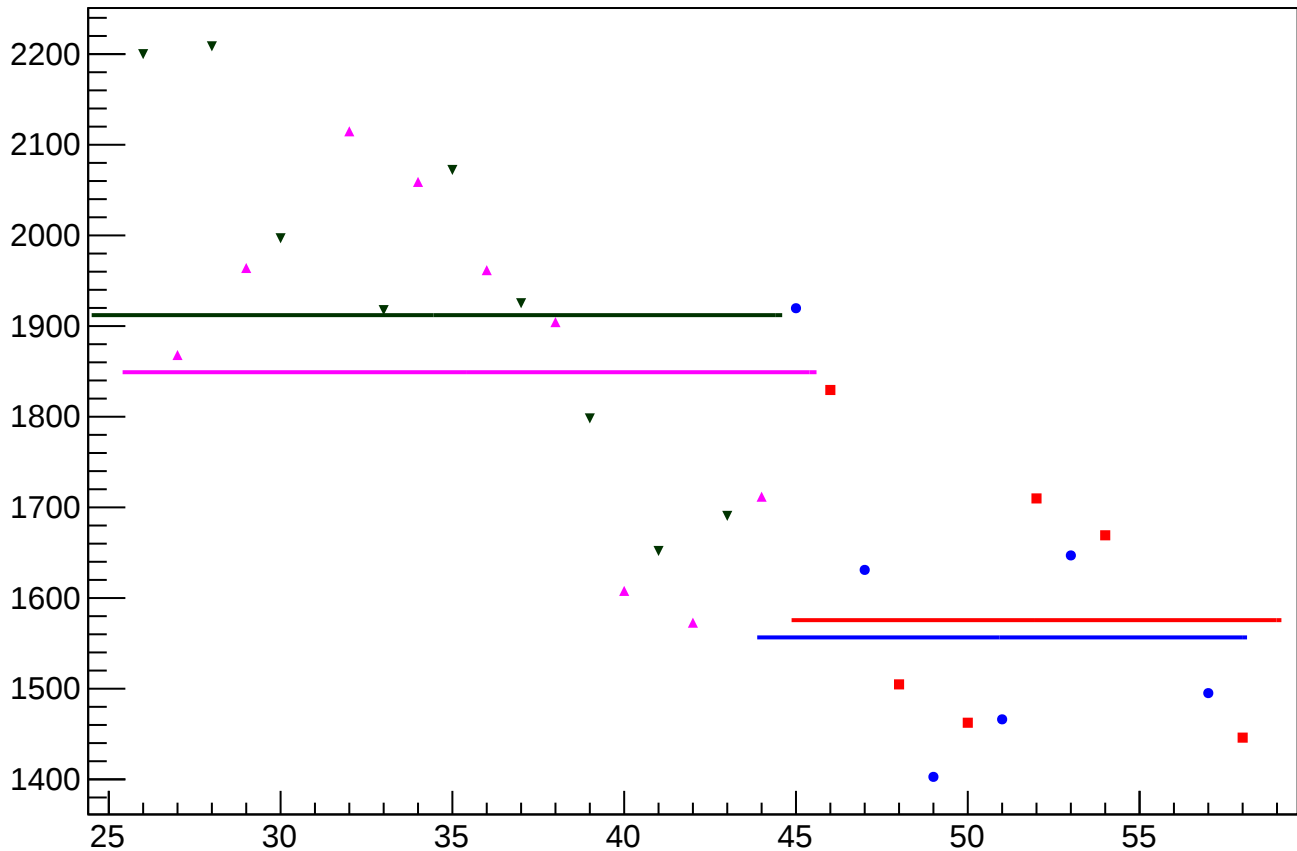
Right Out: -2159.166 $\pm$ 914.847 χ^2 /NDF: 7.5/5

Left In: 997.468 $\pm$ 784.441 χ^2 /NDF: 9.8/8

264.335 $\pm$ 625.833 χ^2 /NDF: 10.2/14

-340.023 $\pm$ 595.500 χ^2 /NDF: 24.2/14

cor_sam7_rms vs slug



Right In: 1556.578+/-0.633 χ^2/NDF : 73432.4/5

Left Out: 1912.062+/-0.619 χ^2/NDF : 99663.2/8

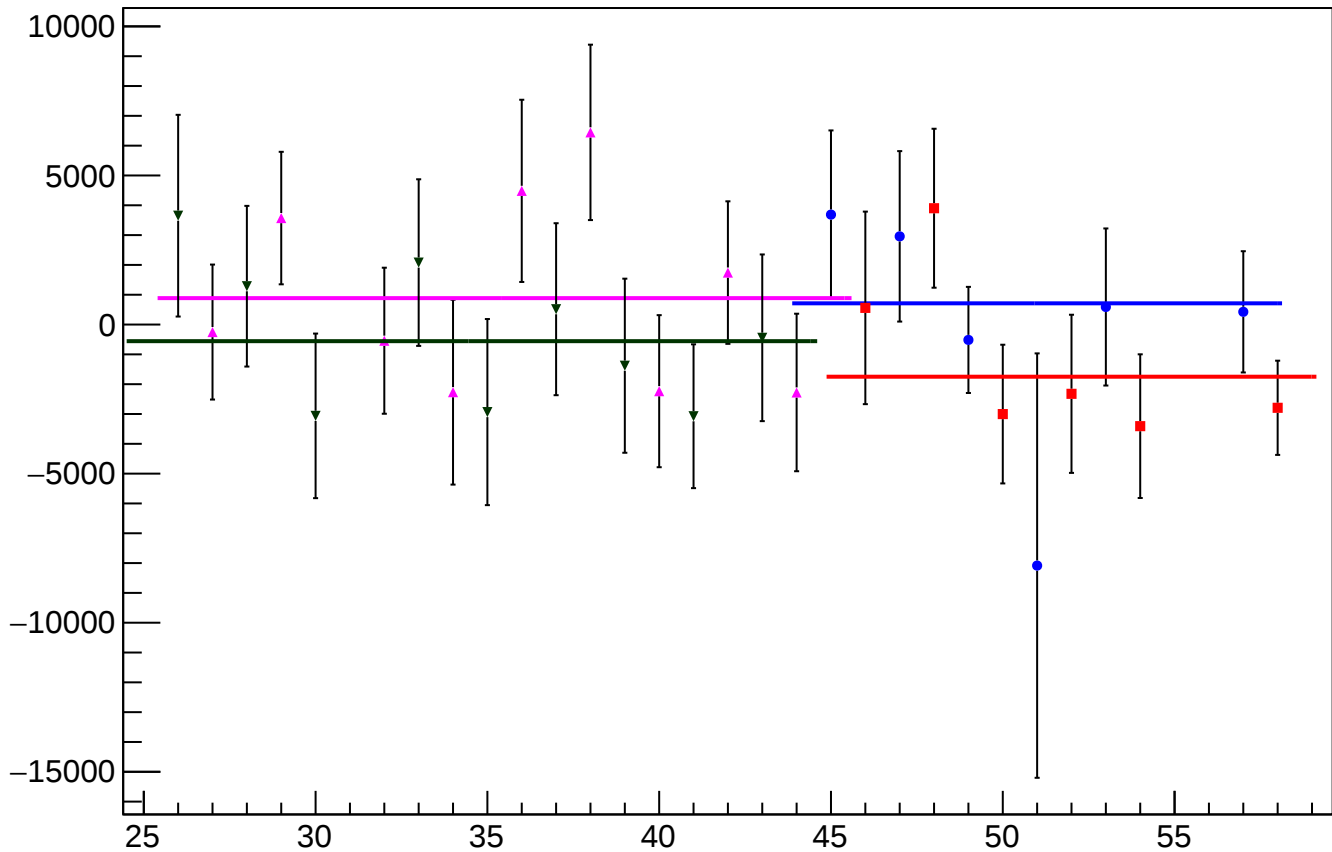
Right Out: 1575.606+/-0.647 χ^2/NDF : 42986.2/5

Left In: 1849.099+/-0.555 χ^2/NDF : 109500.6/8

1738.530+/-0.443 χ^2/NDF : 334326.7/14

1733.218+/-0.421 χ^2/NDF : 255494.0/14

cor_sam8_mean vs slug



Right In: 711.948 $\pm$ 1015.660 χ^2 /NDF: 3.8/5

Left Out: -557.273 $\pm$ 942.969 χ^2 /NDF: 5.6/8

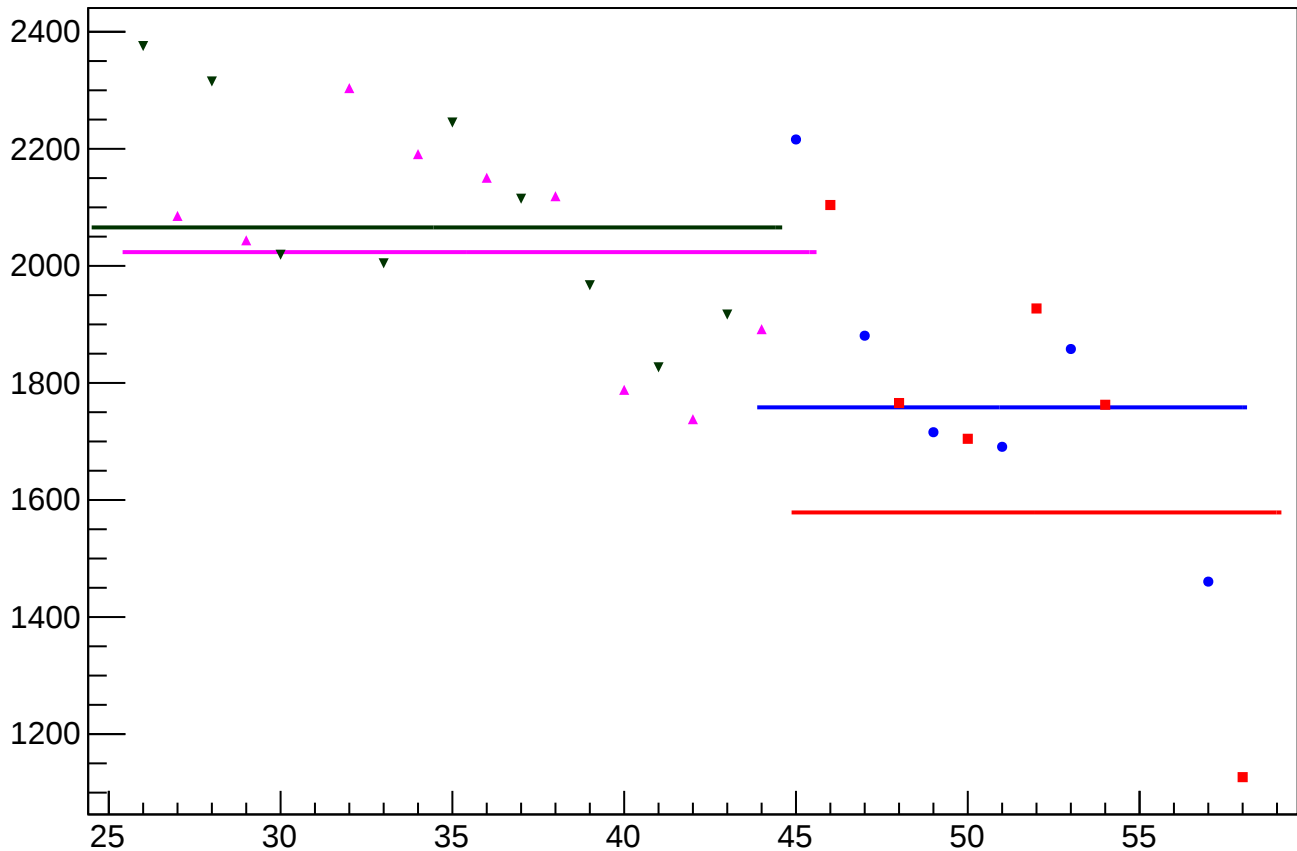
Right Out: -1749.255 $\pm$ 938.010 χ^2 /NDF: 6.3/5

Left In: 886.158 $\pm$ 856.437 χ^2 /NDF: 11.1/8

30.297 $\pm$ 691.050 χ^2 /NDF: 10.2/14

-311.994 $\pm$ 632.469 χ^2 /NDF: 21.7/14

cor_sam8_rms vs slug



Right In: 1758.295+/-0.718 χ^2/NDF : 103315.7/5

Left Out: 2065.730+/-0.667 χ^2/NDF : 70231.7/8

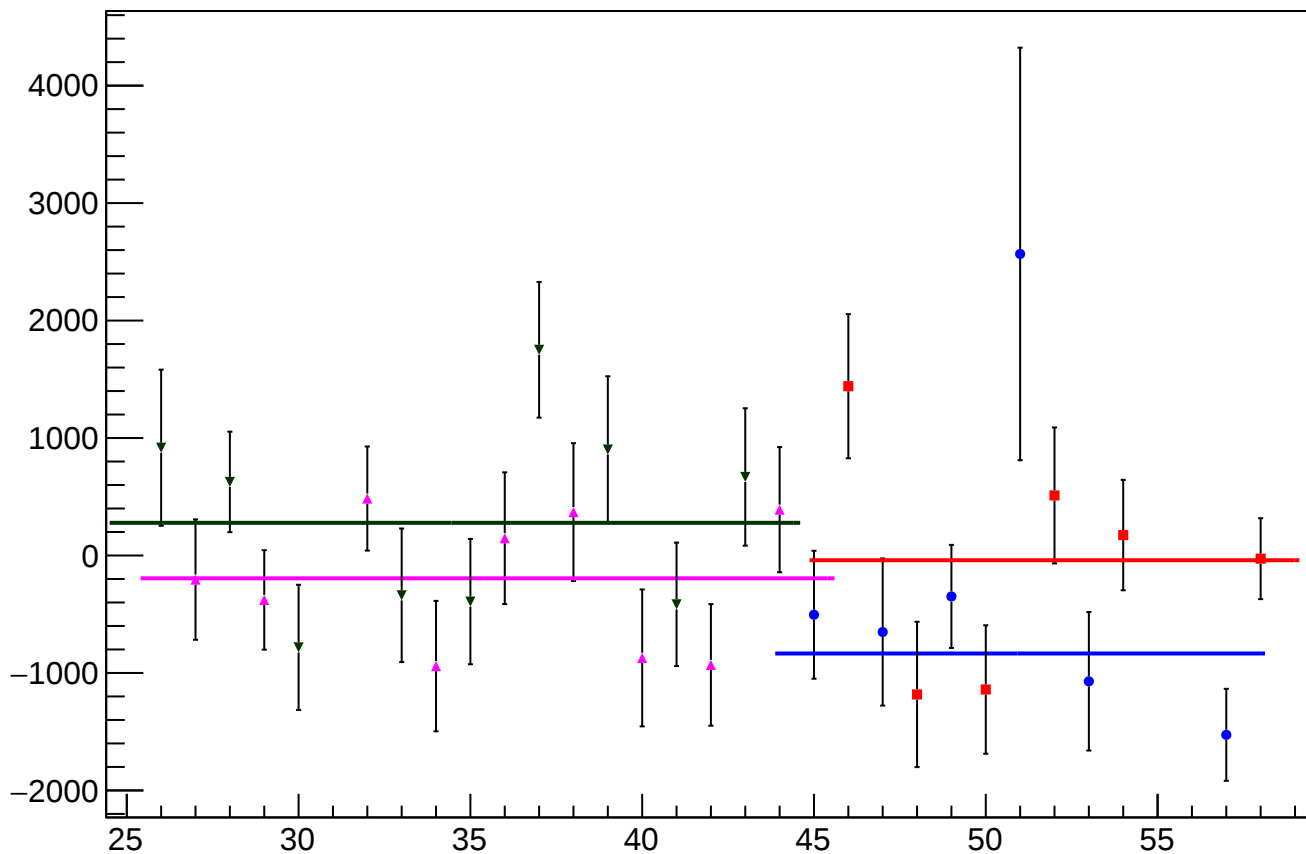
1923.407+/-0.489 χ^2/NDF : 271963.5/14

Right Out: 1578.731+/-0.663 χ^2/NDF : 278712.0/5

1821.302+/-0.447 χ^2/NDF : 613736.7/14

Left In: 2023.519+/-0.606 χ^2/NDF : 89775.7/8

reg_asym_sam1_mean vs slug



Right In: -834.203 $\pm$ 219.041 χ^2/NDF : 8.7/5

Left Out: 278.172 $\pm$ 182.670 χ^2/NDF : 18.0/8

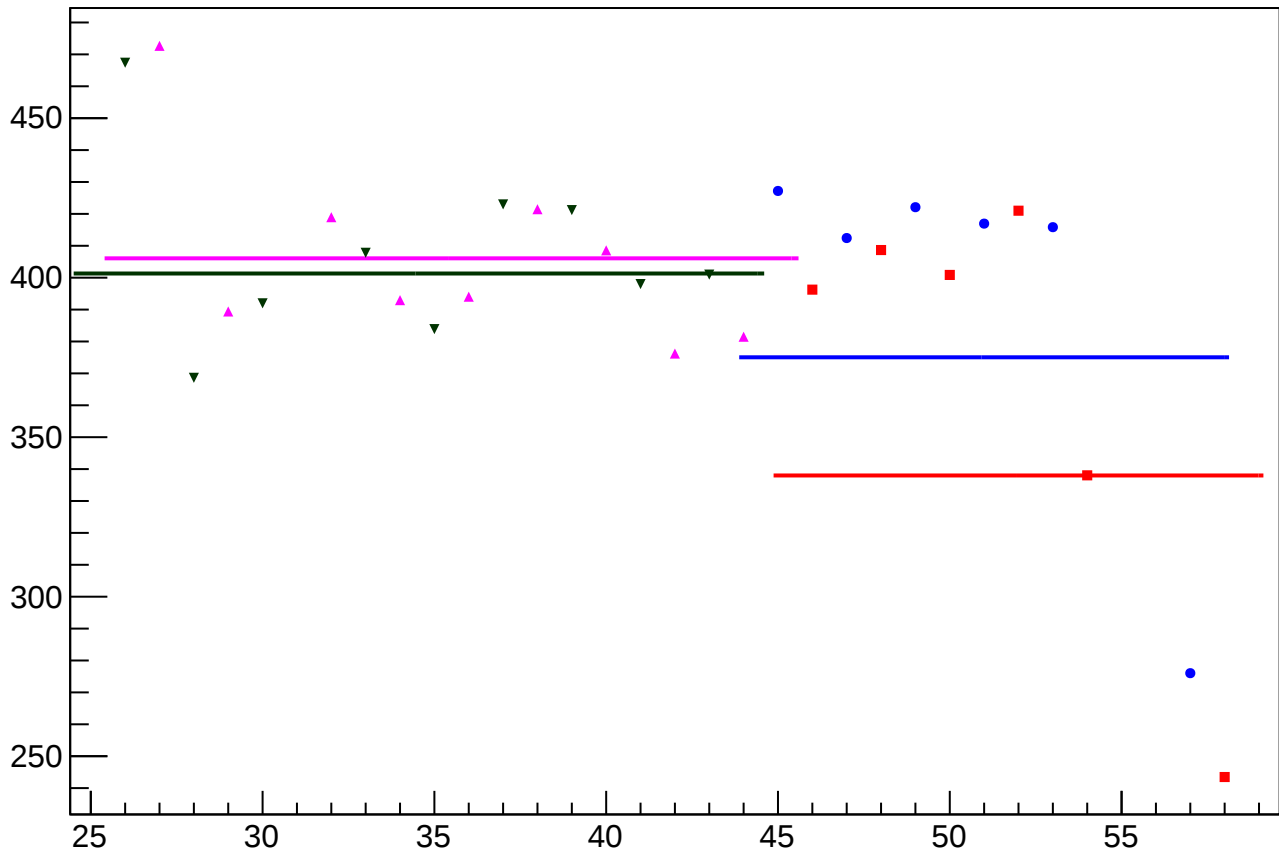
Right Out: -40.471 $\pm$ 201.774 χ^2/NDF : 14.4/5

Left In: -194.244 $\pm$ 171.477 χ^2/NDF : 10.2/8

-178.118 $\pm$ 140.288 χ^2/NDF : 41.9/14

-129.758 $\pm$ 130.665 χ^2/NDF : 25.0/14

reg_asym_sam1_rms vs slug



Right In: 375.043+/-0.155 χ^2/NDF : 187176.9/5

Left Out: 401.310+/-0.129 χ^2/NDF : 39388.5/8

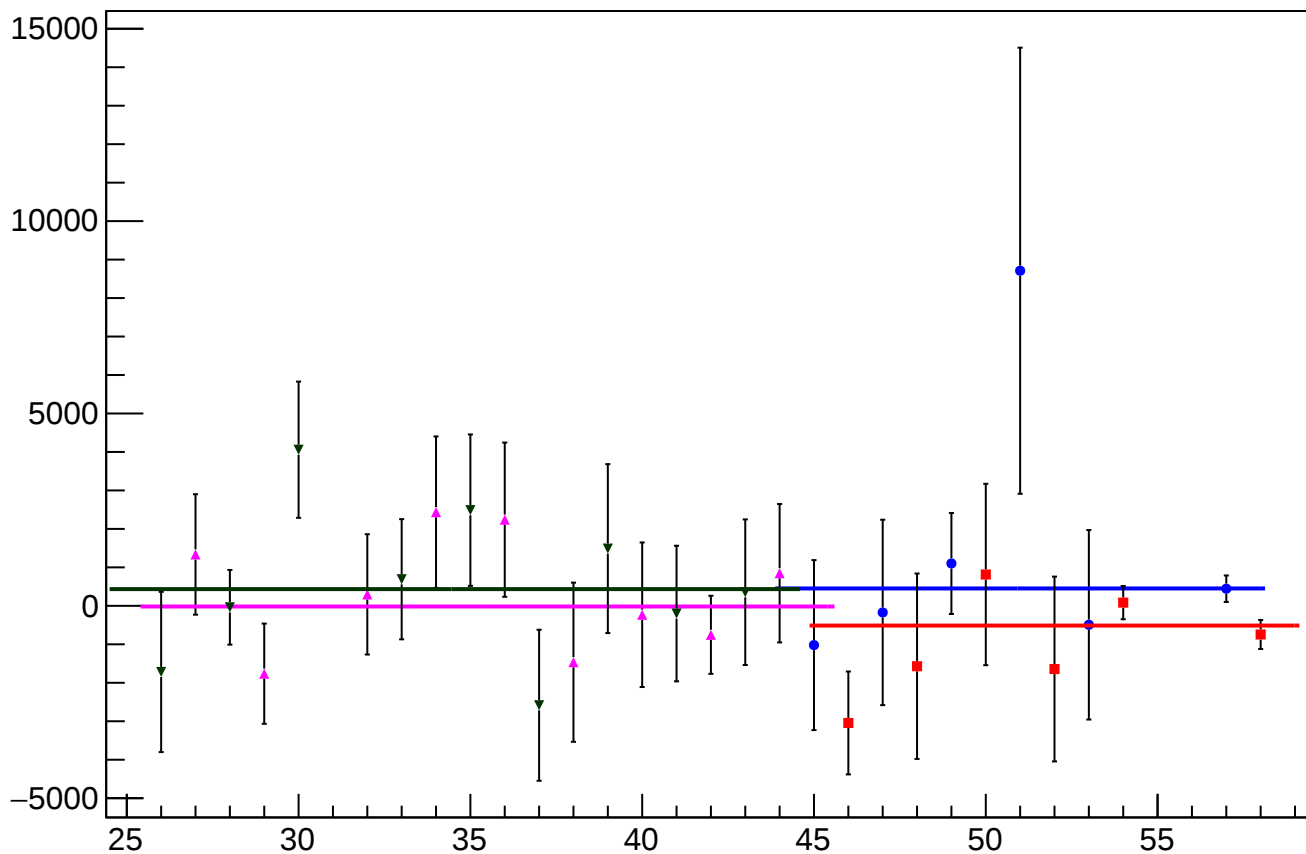
Right Out: 337.999+/-0.143 χ^2/NDF : 262469.3/5

Left In: 406.066+/-0.121 χ^2/NDF : 52953.2/8

390.535+/-0.099 χ^2/NDF : 243528.6/14

377.521+/-0.092 χ^2/NDF : 447577.6/14

asym_sam1_correction_mean vs slug



Right In: 452.125 ± 322.689 χ^2/NDF : 2.9/5

Left Out: 434.930 ± 546.579 χ^2/NDF : 9.3/8

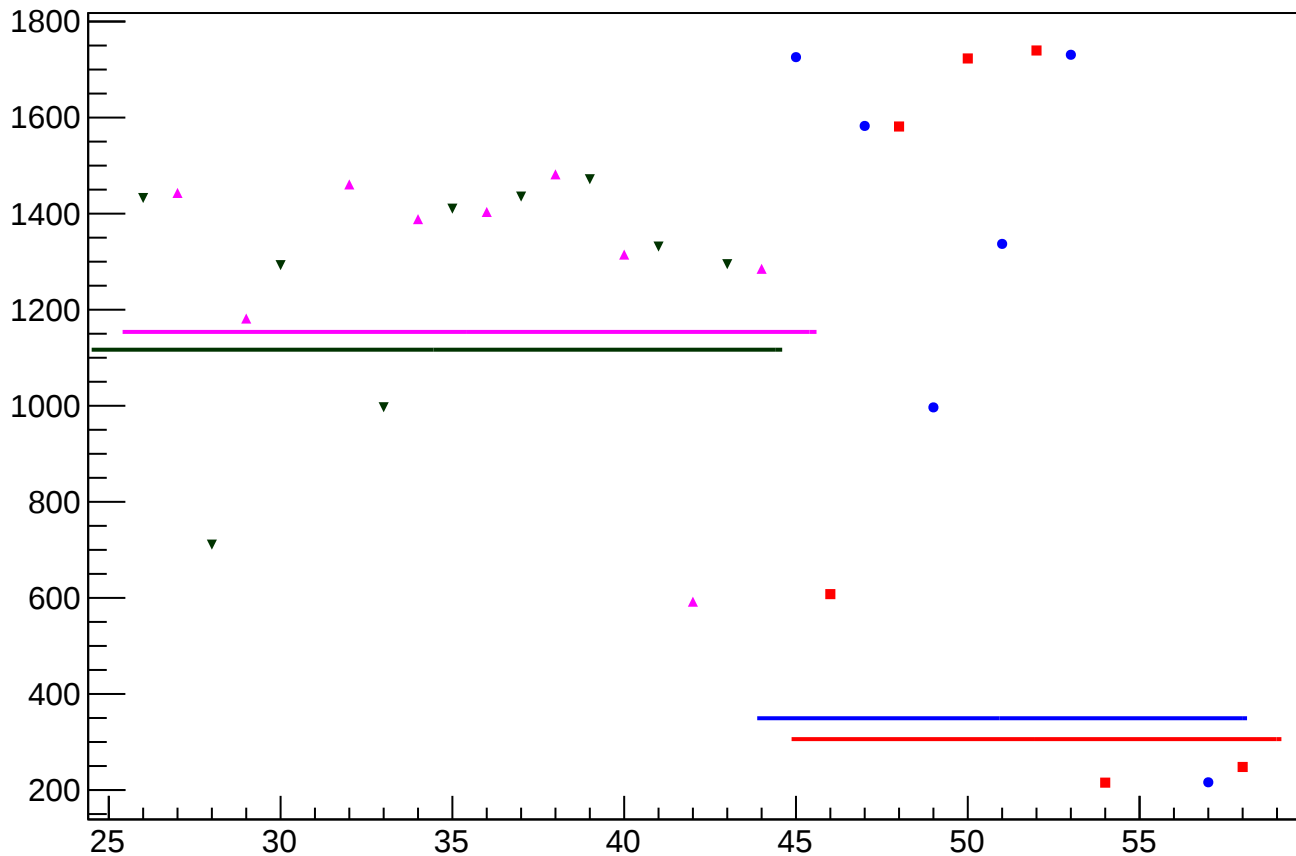
Right Out: -512.416 ± 272.567 χ^2/NDF : 6.6/5

Left In: -17.108 ± 519.136 χ^2/NDF : 6.7/8

447.681 ± 277.876 χ^2/NDF : 12.3/14

-405.382 ± 241.327 χ^2/NDF : 14.0/14

asym_sam1_correction_rms vs slug



Right In: 349.462+/-0.228 χ^2/NDF : 2773811.1/5

Left Out: 1116.751+/-0.386 χ^2/NDF : 624096.5/8

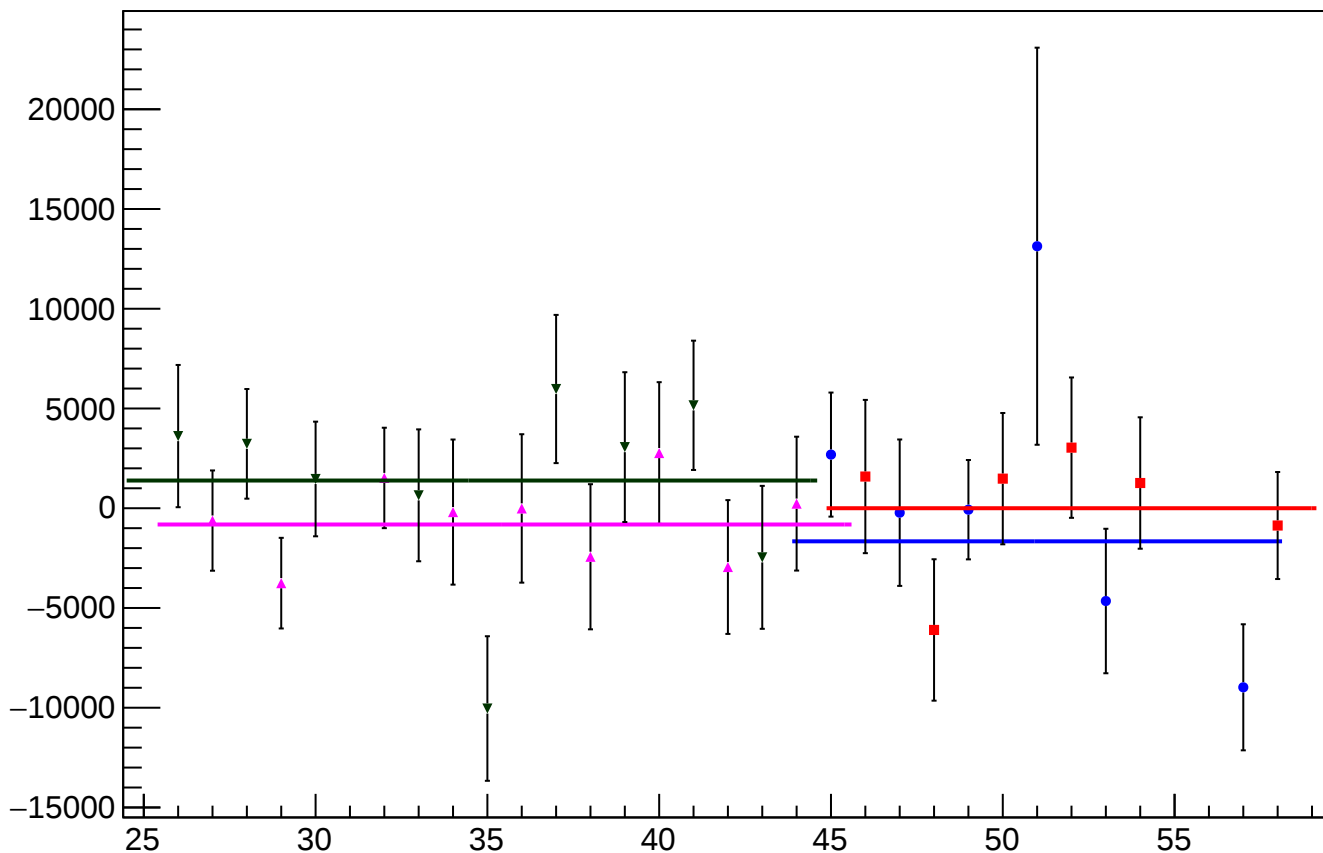
Right Out: 305.999+/-0.193 χ^2/NDF : 2232455.5/5

Left In: 1153.785+/-0.367 χ^2/NDF : 894420.7/8

547.777+/-0.196 χ^2/NDF : 6320550.9/14

489.203+/-0.171 χ^2/NDF : 7308102.1/14

reg_asym_sam2_mean vs slug



Right In: -1658.803 $\pm$ 1379.589 χ^2 /NDF: 10.8/5

Left Out: 1388.791 $\pm$ 1106.824 χ^2 /NDF:15.1/8

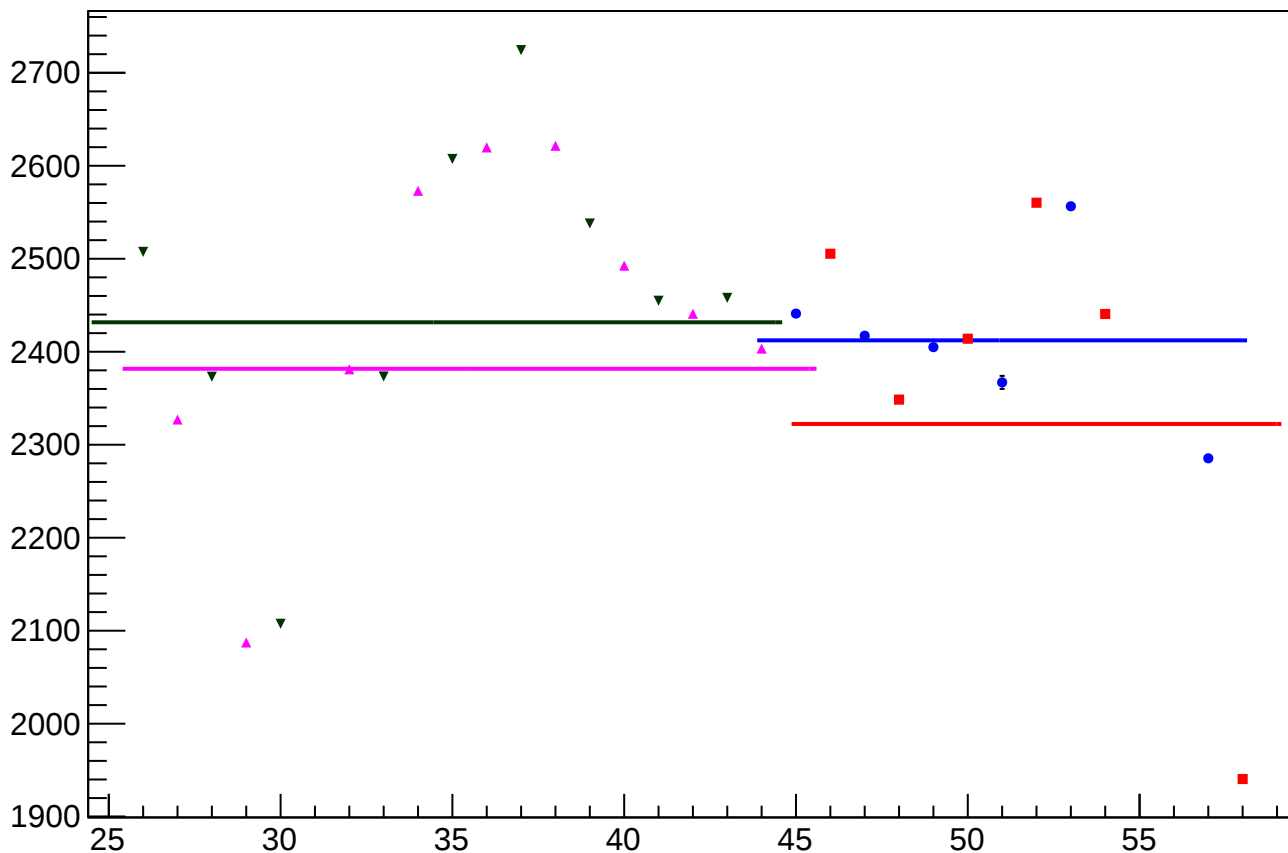
Right Out: 0.457 $\pm$ 1346.406 χ^2 /NDF: 4.3/5

Left In: -815.233 $\pm$ 1004.854 χ^2 /NDF:4.3/8

195.345 $\pm$ 863.321 χ^2 /NDF: 28.8/14

-523.429 $\pm$ 805.302 χ^2 /NDF: 8.9/14

reg_asym_sam2_rms vs slug



Right In: 2412.256 $\pm$ 0.976 χ^2 /NDF: 6628.5/5

Left Out: 2431.683 $\pm$ 0.783 χ^2 /NDF: 46819.5/8

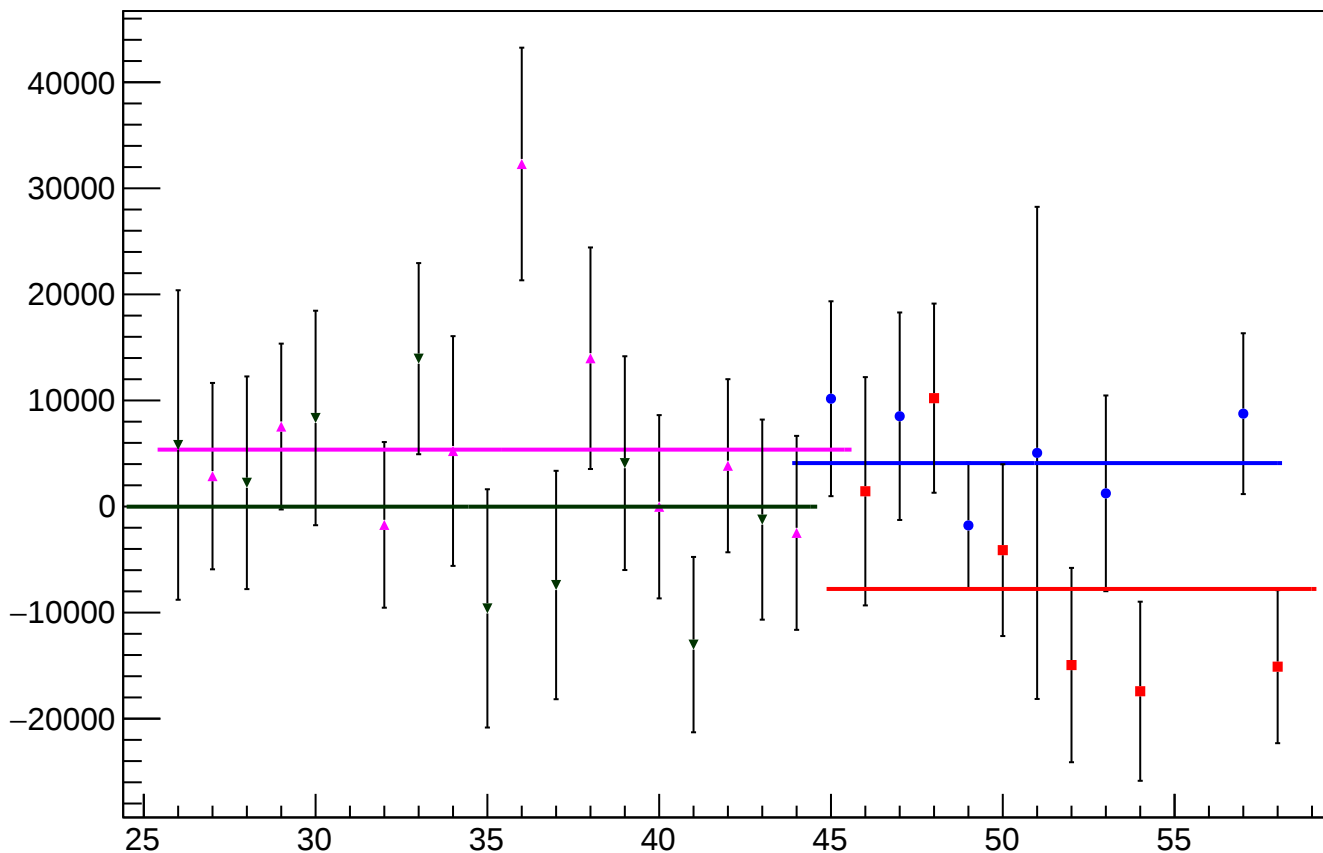
Right Out: 2322.342 $\pm$ 0.952 χ^2 /NDF: 58465.3/5

Left In: 2381.709 $\pm$ 0.711 χ^2 /NDF: 59588.8/8

2424.075 $\pm$ 0.610 χ^2 /NDF: 53689.3/14

2360.471 $\pm$ 0.569 χ^2 /NDF: 120551.4/14

asym_sam2_correction_mean vs slug



Right In: 4094.844 $\pm$ 3496.200 χ^2/NDF : 2.1/5

Left Out: -13.656 $\pm$ 3351.634 χ^2/NDF : 7.1/8

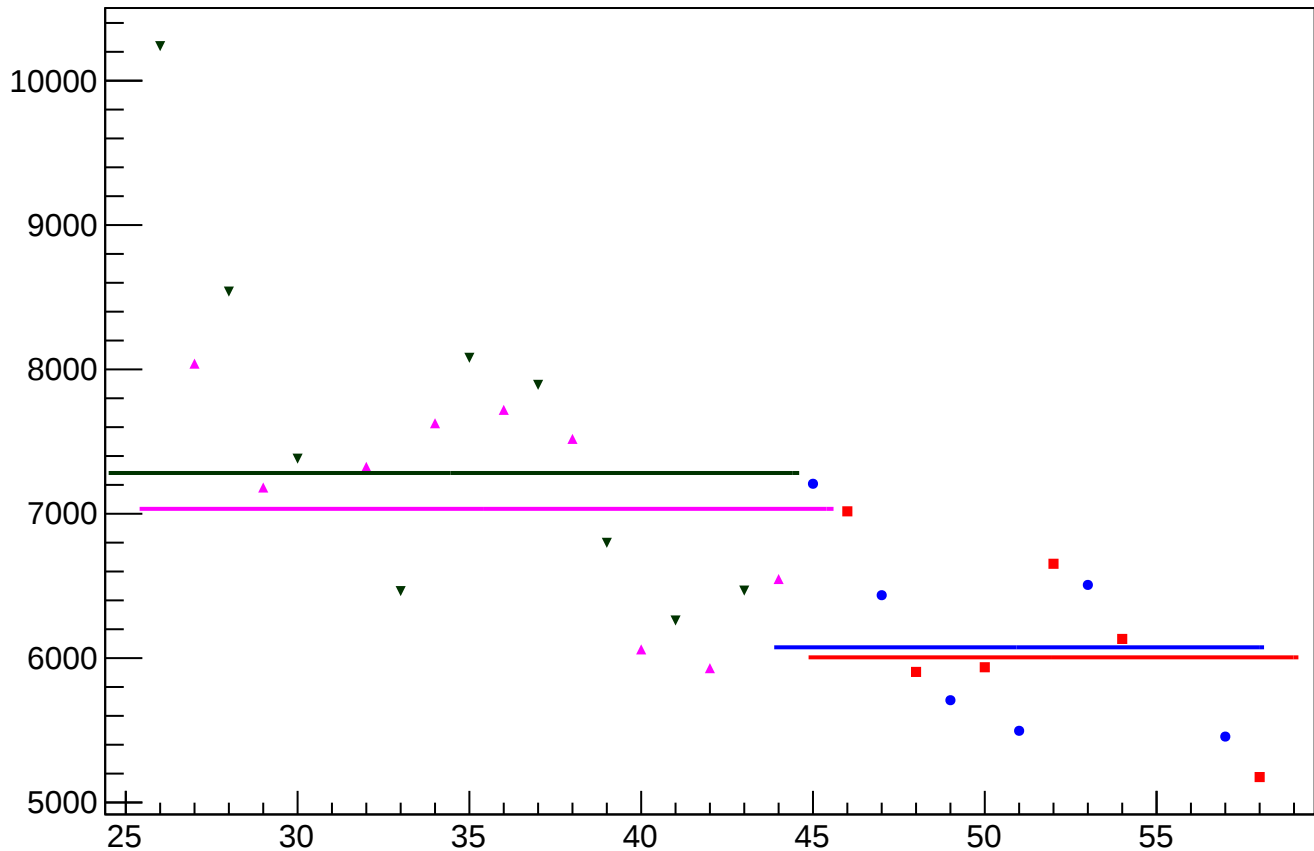
Right Out: -7771.321 $\pm$ 3500.380 χ^2/NDF : 8.0/5

Left In: 5363.340 $\pm$ 2986.715 χ^2/NDF : 8.9/8

1953.897 $\pm$ 2419.457 χ^2/NDF : 10.0/14

-170.434 $\pm$ 2272.043 χ^2/NDF : 25.0/14

asym_sam2_correction_rms vs slug



Right In: 6074.850 ± 2.472 χ^2/NDF : 59740.2/5

Left Out: 7282.484 ± 2.370 χ^2/NDF : 196859.8/8

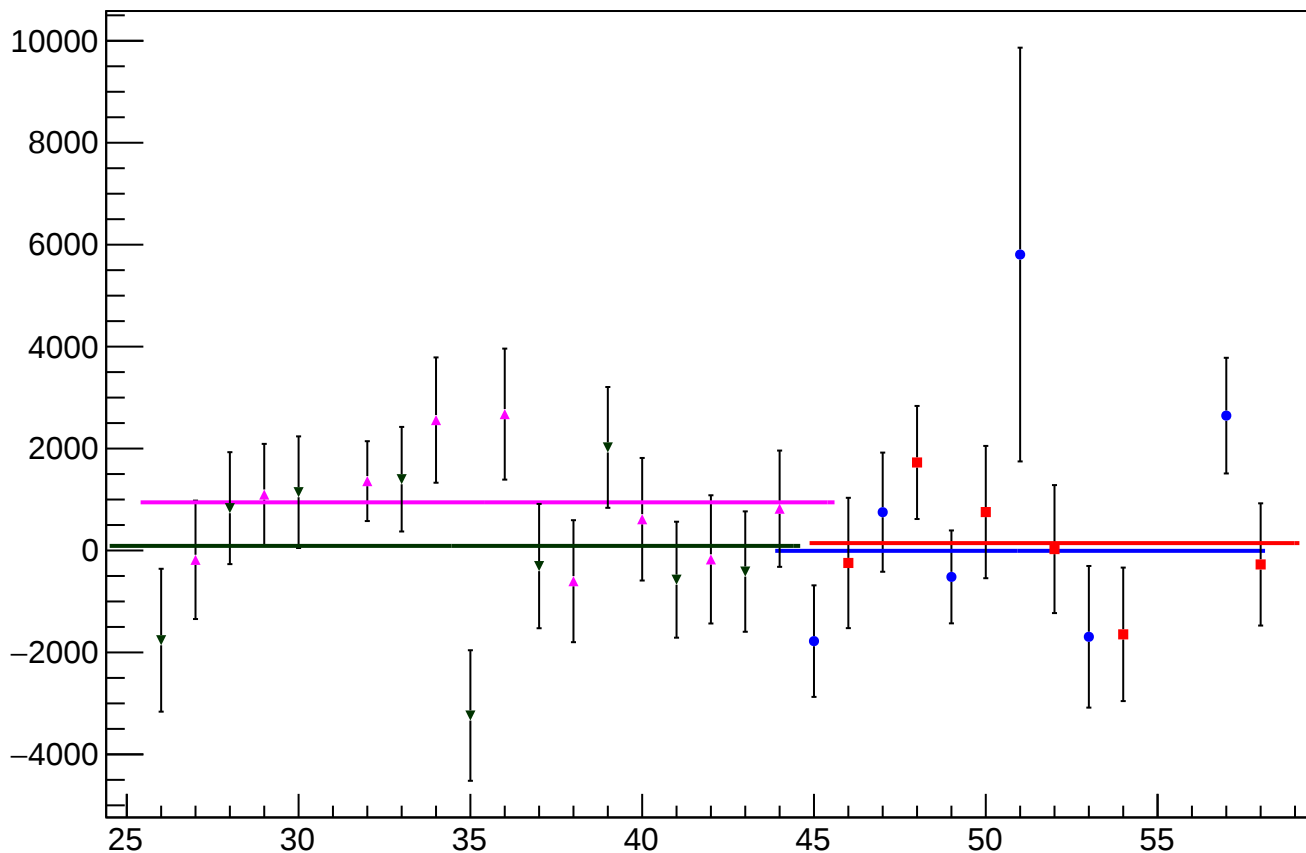
Right Out: 6005.335 ± 2.475 χ^2/NDF : 54960.8/5

Left In: 7034.023 ± 2.112 χ^2/NDF : 115477.2/8

6704.150 ± 1.711 χ^2/NDF : 380945.7/14

6600.626 ± 1.607 χ^2/NDF : 270394.7/14

reg_asym_sam3_mean vs slug



Right In: -6.713+/-492.298 χ^2/NDF : 12.3/5

Left Out: 90.339+/-389.088 χ^2/NDF :14.8/8

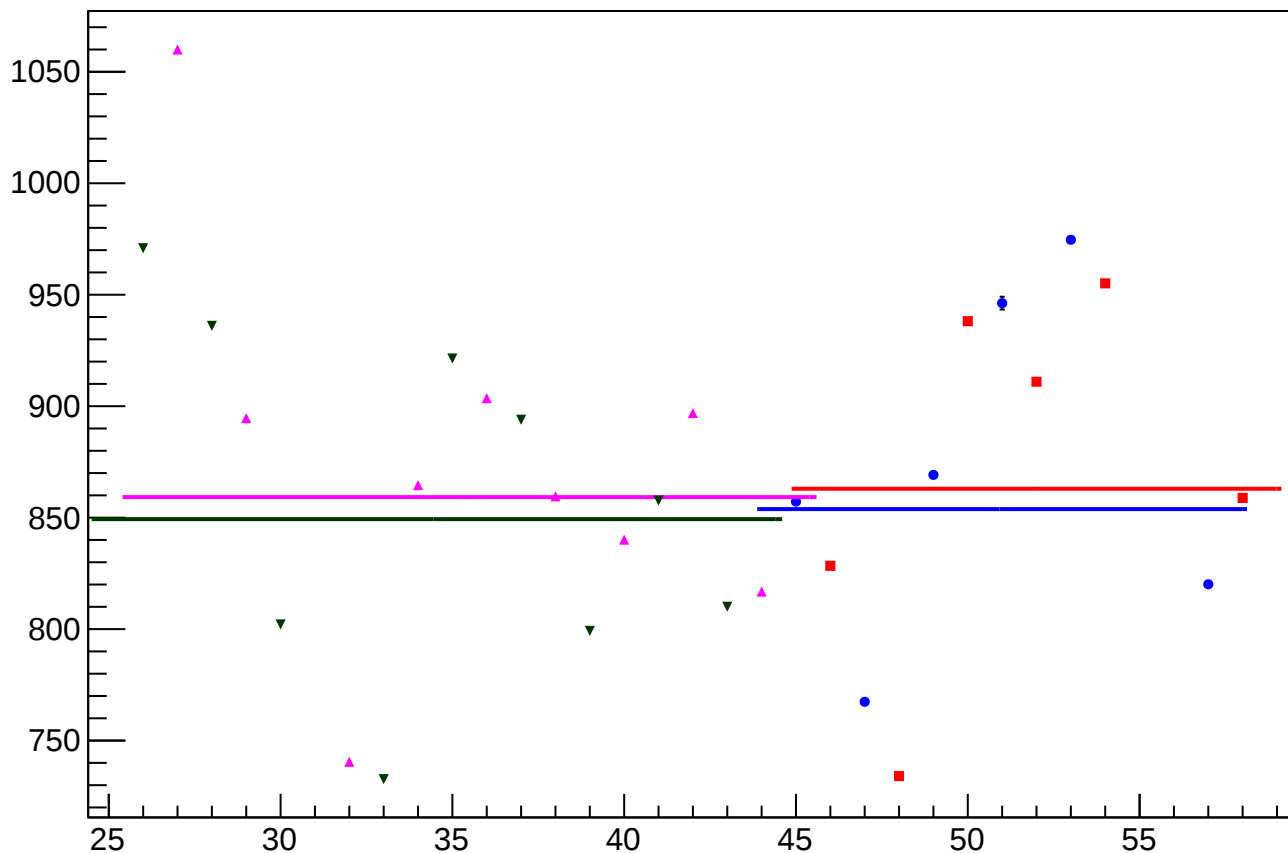
Right Out: 144.889+/-504.350 χ^2/NDF : 4.3/5

Left In: 944.816+/-366.628 χ^2/NDF :7.3/8

53.024+/-305.258 χ^2/NDF : 27.2/14

668.254+/-296.553 χ^2/NDF : 13.3/14

reg_asym_sam3_rms vs slug



Right In: 853.840 $\pm$ 0.348 χ^2 /NDF: 29446.5/5

Left Out: 849.335 $\pm$ 0.275 χ^2 /NDF: 71988.4/8

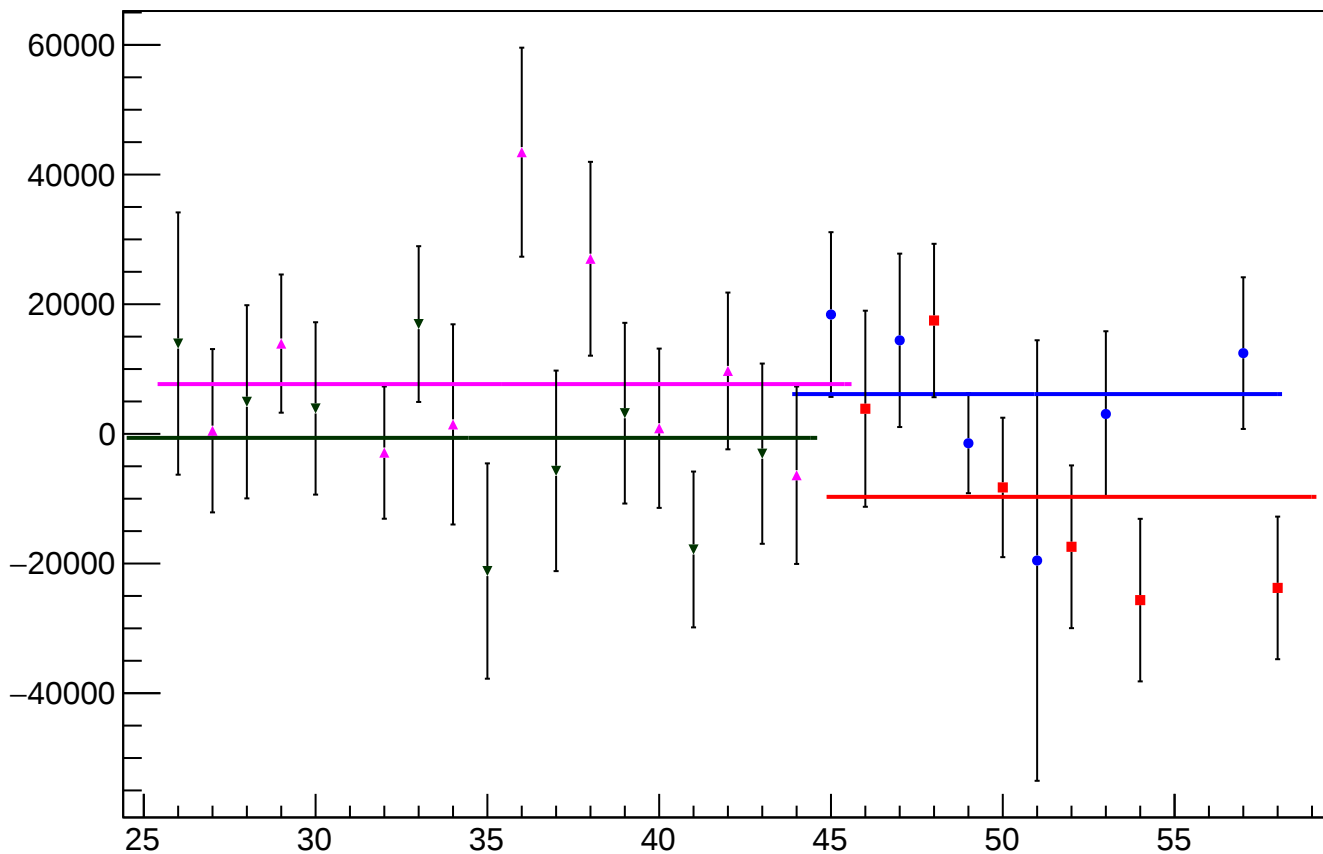
Right Out: 862.973 $\pm$ 0.357 χ^2 /NDF: 48030.9/5

Left In: 859.215 $\pm$ 0.259 χ^2 /NDF: 115716.9/8

851.067 $\pm$ 0.216 χ^2 /NDF: 101538.1/14

860.514 $\pm$ 0.210 χ^2 /NDF: 163820.4/14

asym_sam3_correction_mean vs slug



Right In: 6137.219+/-4827.099 χ^2/NDF : 3.2/5

Left Out: -616.435+/-4735.998 χ^2/NDF : 6.7/8

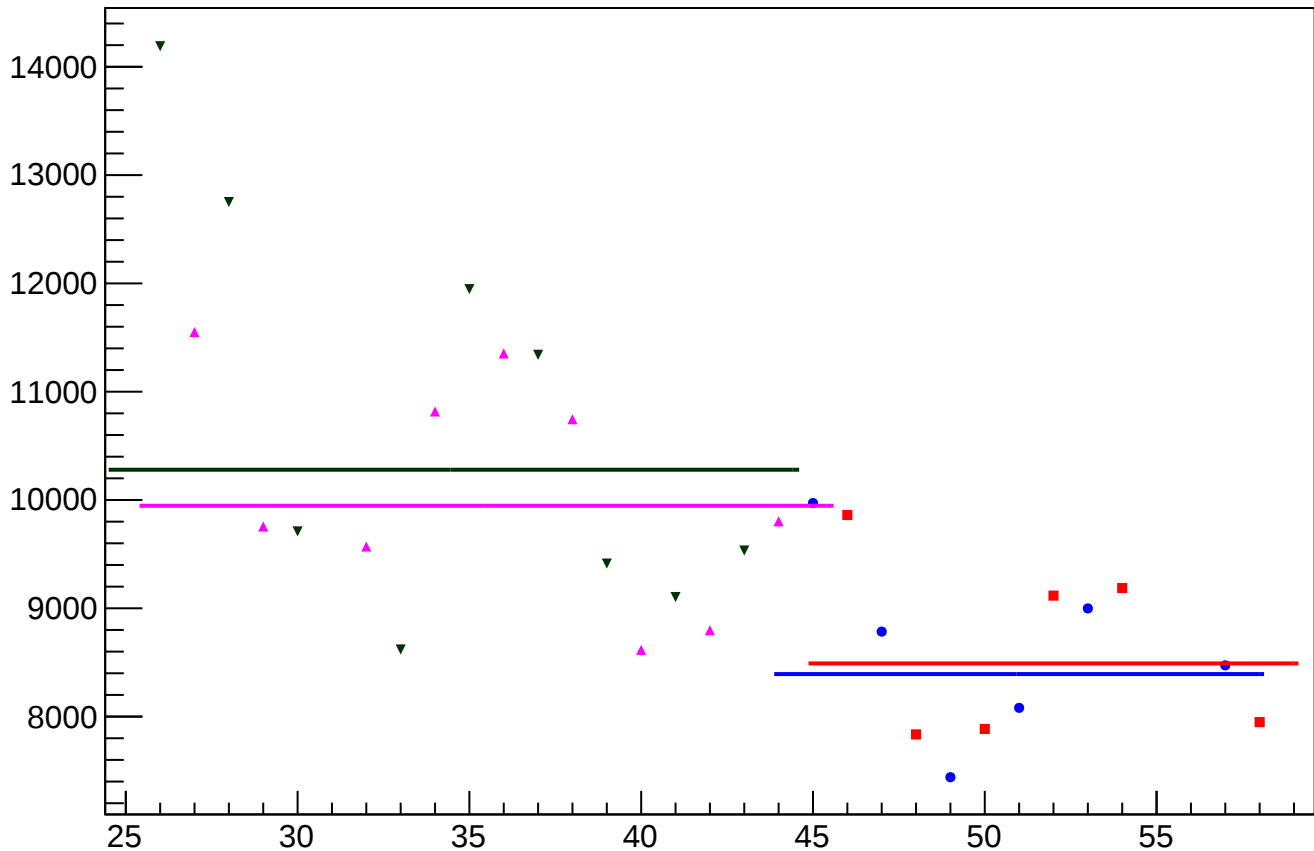
Right Out: -9714.447+/-4930.245 χ^2/NDF : 9.7/5

Left In: 7678.057+/-4224.700 χ^2/NDF : 9.9/8

2696.060+/-3380.605 χ^2/NDF : 10.9/14

314.282+/-3208.025 χ^2/NDF : 26.8/14

asym_sam3_correction_rms vs slug



Right In: 8392.541 ± 3.413 χ^2/NDF : 67914.6/5

Left Out: 10279.392 ± 3.349 χ^2/NDF : 233836.0/8

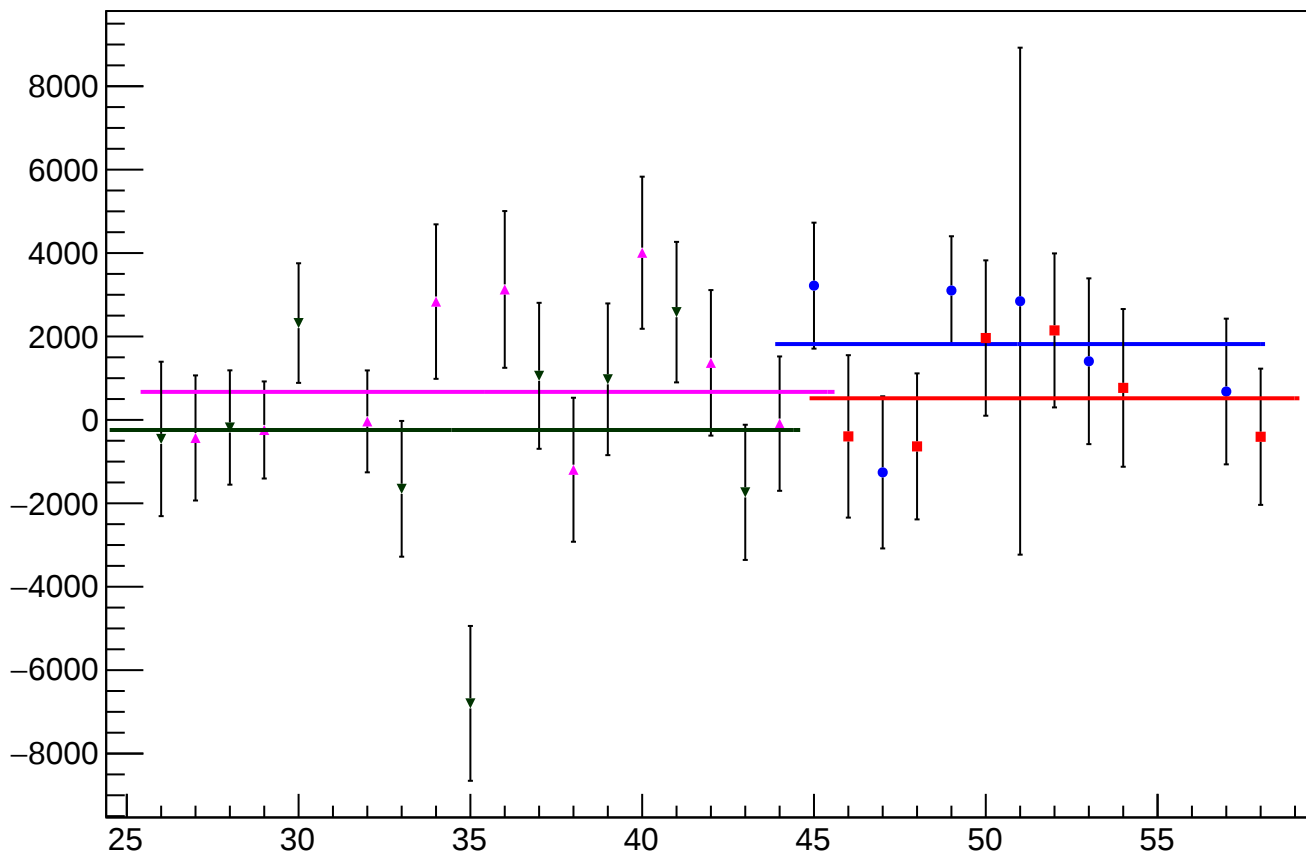
Right Out: 8490.875 ± 3.486 χ^2/NDF : 44901.5/5

Left In: 9946.833 ± 2.987 χ^2/NDF : 104837.7/8

9353.940 ± 2.390 χ^2/NDF : 457454.2/14

9330.398 ± 2.268 χ^2/NDF : 250310.5/14

reg_asym_sam4_mean vs slug



Right In: 1818.023 ± 718.224 $\chi^2/\text{NDF}: 5.2/5$

Left Out: -242.182 ± 547.136 $\chi^2/\text{NDF}: 21.1/8$

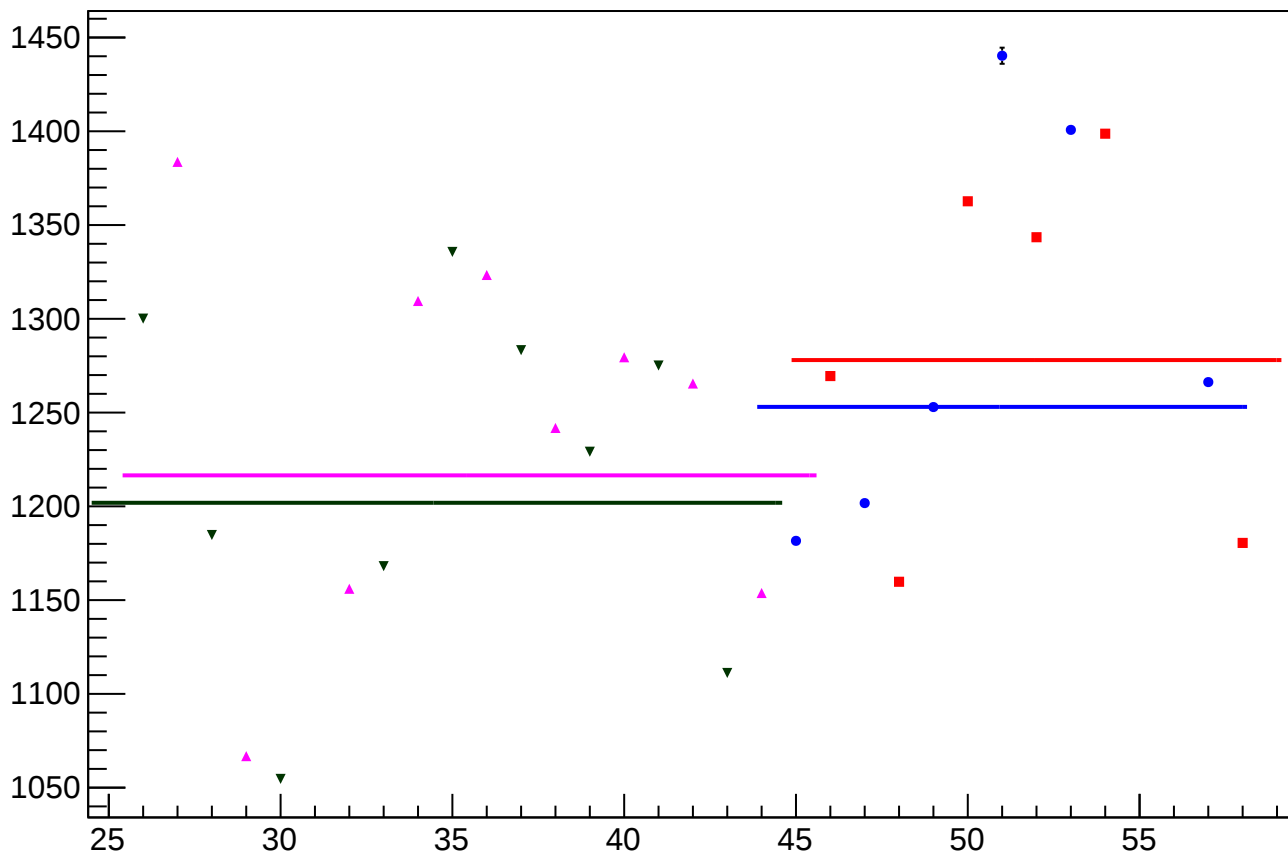
Right Out: 518.229 ± 739.958 $\chi^2/\text{NDF}: 2.4/5$

Left In: 671.583 ± 514.509 $\chi^2/\text{NDF}: 9.5/8$

514.363 ± 435.233 $\chi^2/\text{NDF}: 31.5/14$

621.604 ± 422.428 $\chi^2/\text{NDF}: 11.9/14$

reg_asym_sam4_rms vs slug



Right In: 1253.037 $\pm$ 0.508 χ^2/NDF : 19120.2/5

Left Out: 1201.899 $\pm$ 0.387 χ^2/NDF : 53101.4/8

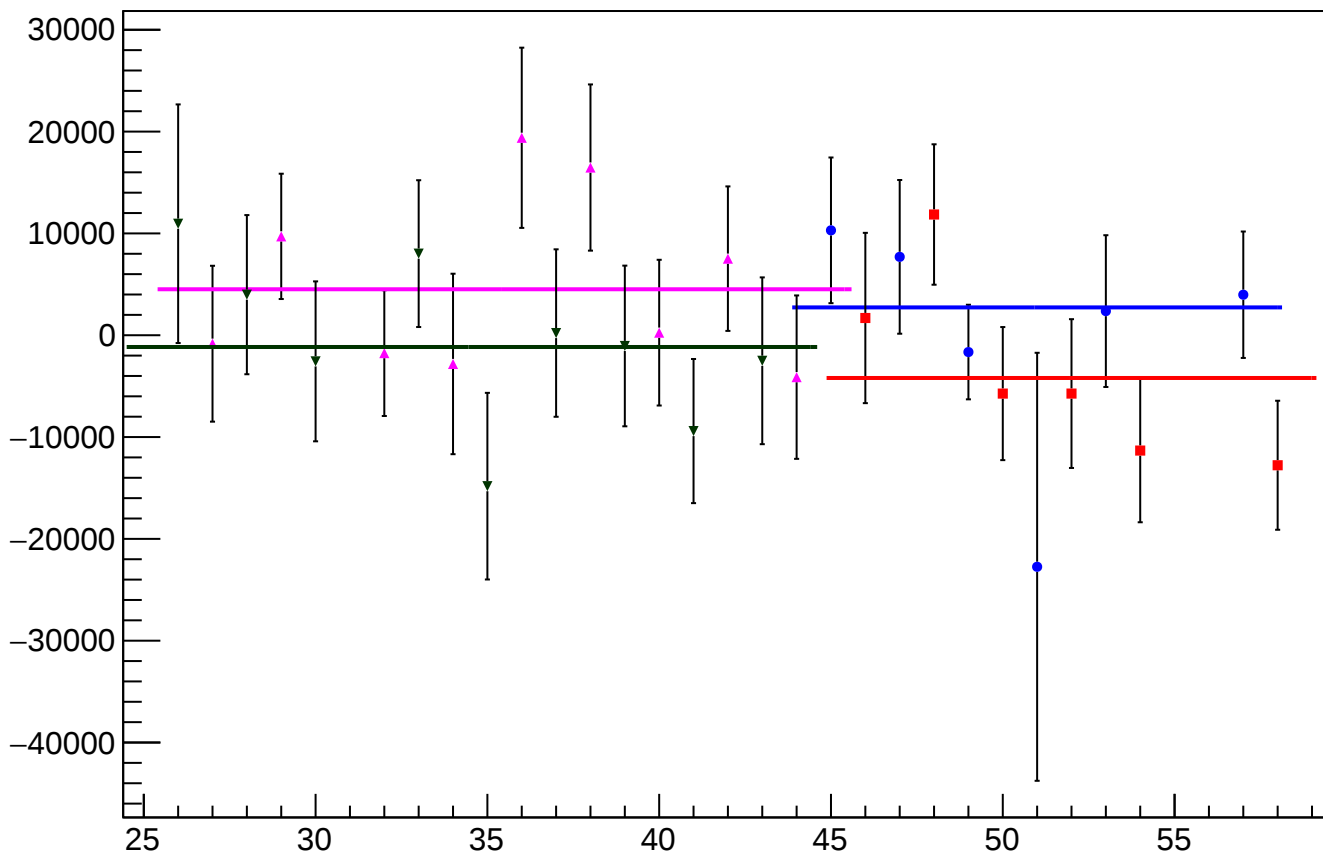
Right Out: 1278.002 $\pm$ 0.523 χ^2/NDF : 31089.2/5

Left In: 1216.519 $\pm$ 0.364 χ^2/NDF : 81775.0/8

1220.678 $\pm$ 0.308 χ^2/NDF : 78637.6/14

1236.557 $\pm$ 0.299 χ^2/NDF : 122171.9/14

asym_sam4_correction_mean vs slug



Right In: 2733.184 $\pm$ 2777.339 χ^2/NDF : 4.0/5

Left Out: -1154.532 $\pm$ 2704.371 χ^2/NDF : 6.8/8

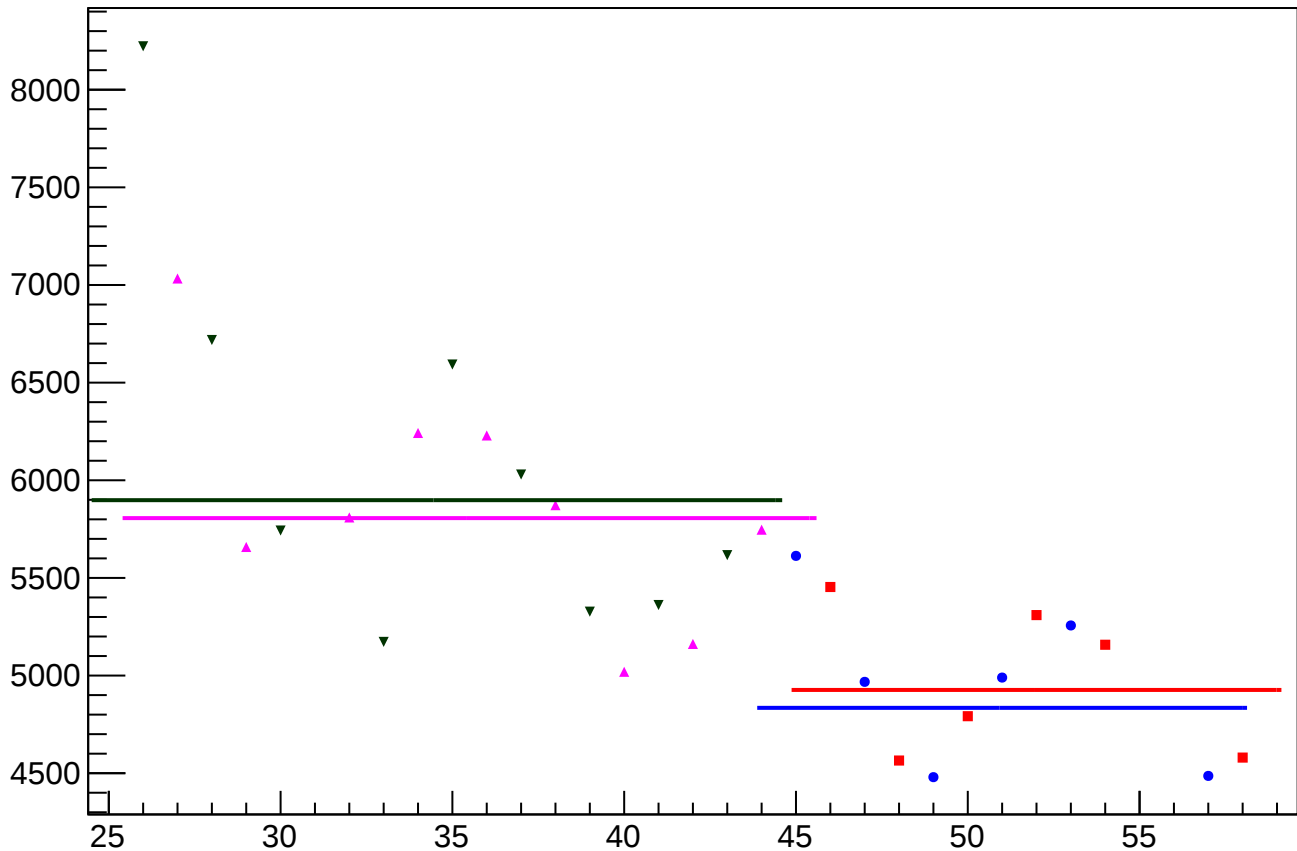
Right Out: -4198.164 $\pm$ 2856.457 χ^2/NDF : 8.9/5

Left In: 4514.840 $\pm$ 2460.865 χ^2/NDF : 9.6/8

737.585 $\pm$ 1937.562 χ^2/NDF : 11.8/14

802.991 $\pm$ 1864.399 χ^2/NDF : 23.8/14

asym_sam4_correction_rms vs slug



Right In: 4834.724+/-1.964 χ^2/NDF : 48784.4/5

Left Out: 5898.122+/-1.912 χ^2/NDF :158096.1/8

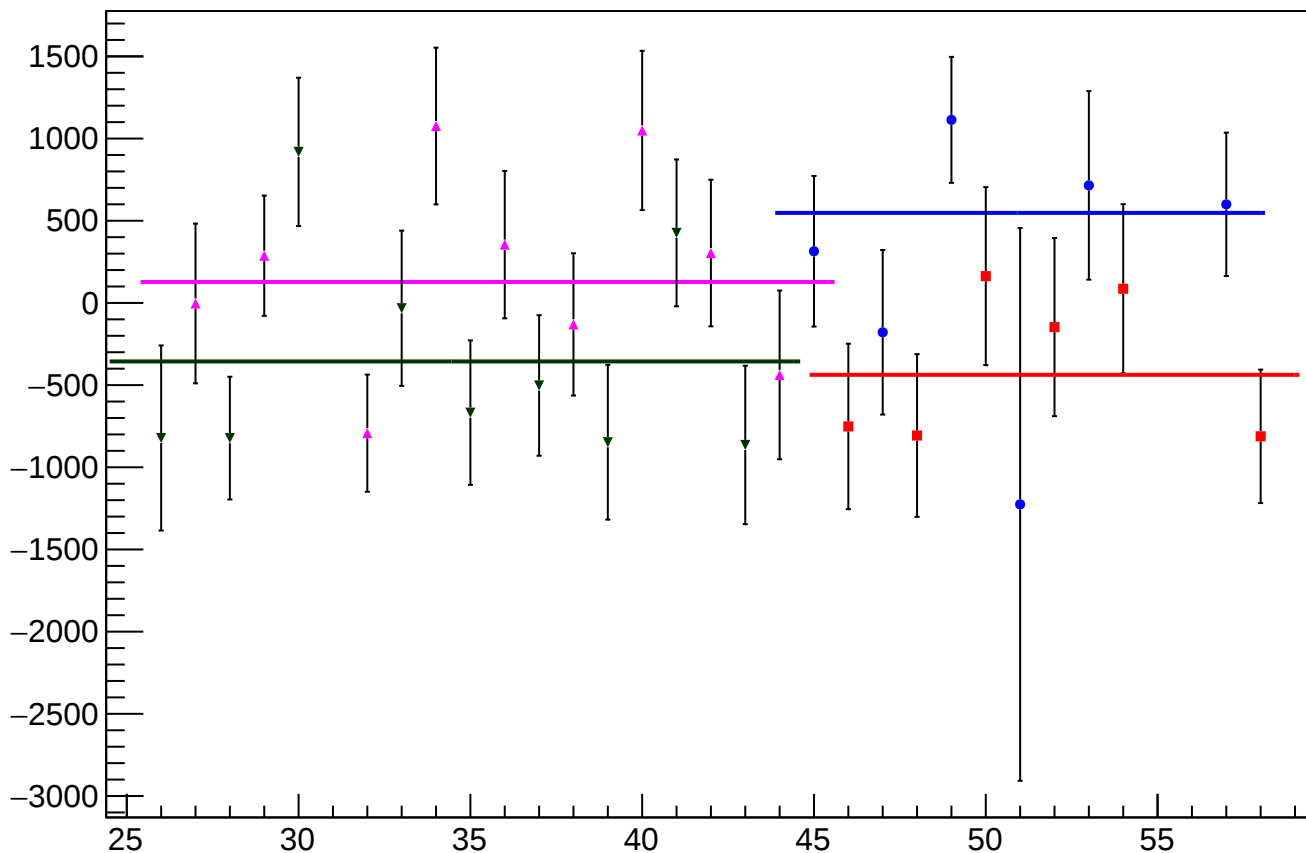
Right Out: 4926.395+/-2.020 χ^2/NDF : 27930.5/5

Left In: 5806.244+/-1.740 χ^2/NDF :102859.9/8

5380.576+/-1.370 χ^2/NDF : 357382.7/14

5431.417+/-1.318 χ^2/NDF : 239706.9/14

reg_asym_sam5_mean vs slug



Right In: 547.772 $\pm$ 203.188 χ^2 /NDF: 5.8/5

Left Out: -356.000 $\pm$ 150.426 χ^2 /NDF:16.6/8

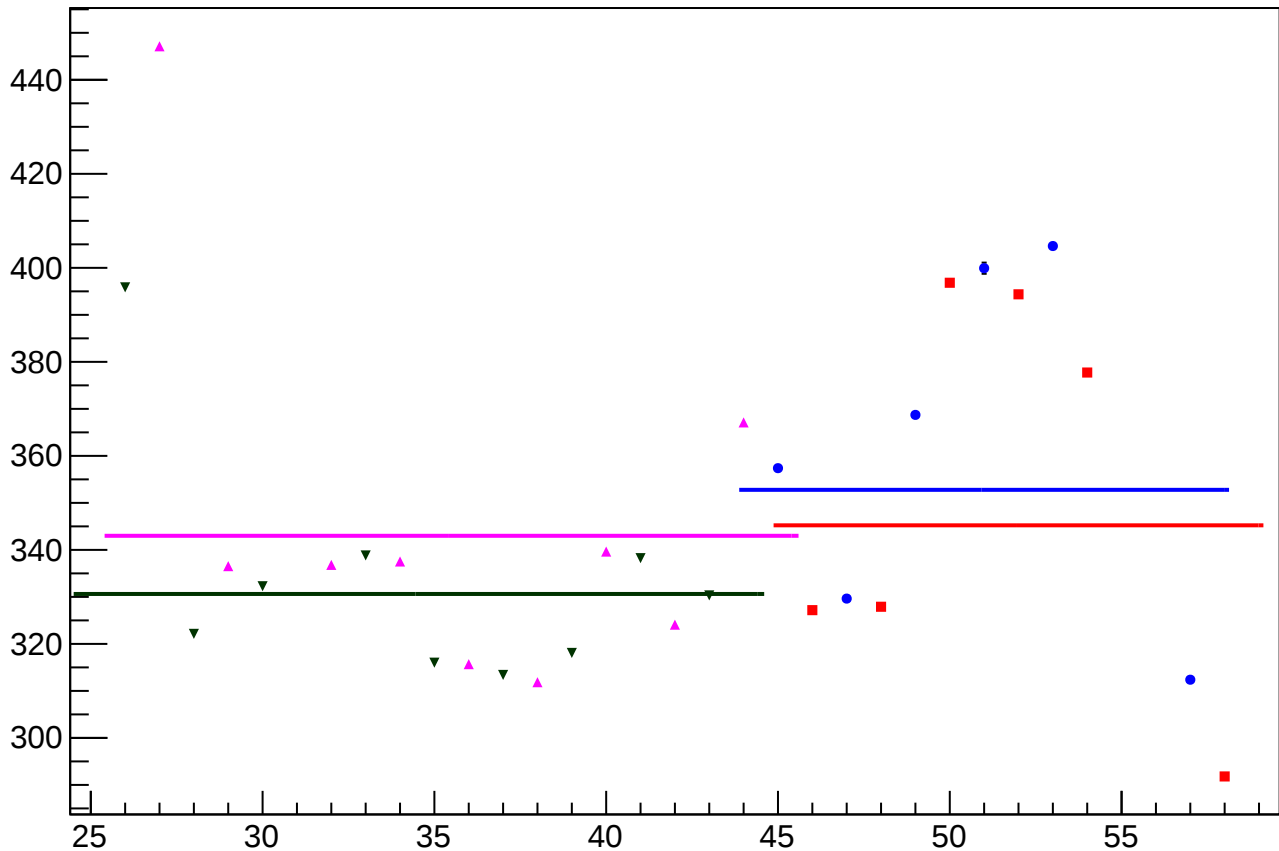
Right Out: -437.432 $\pm$ 201.257 χ^2 /NDF: 4.3/5

Left In: 127.293 $\pm$ 145.286 χ^2 /NDF:16.5/8

-36.026 $\pm$ 120.900 χ^2 /NDF: 35.1/14

-66.177 $\pm$ 117.799 χ^2 /NDF: 26.0/14

reg_asym_sam5_rms vs slug



Right In: 352.776 ± 0.144 χ^2/NDF : 43024.8/5

Left Out: 330.623 ± 0.106 χ^2/NDF : 35956.4/8

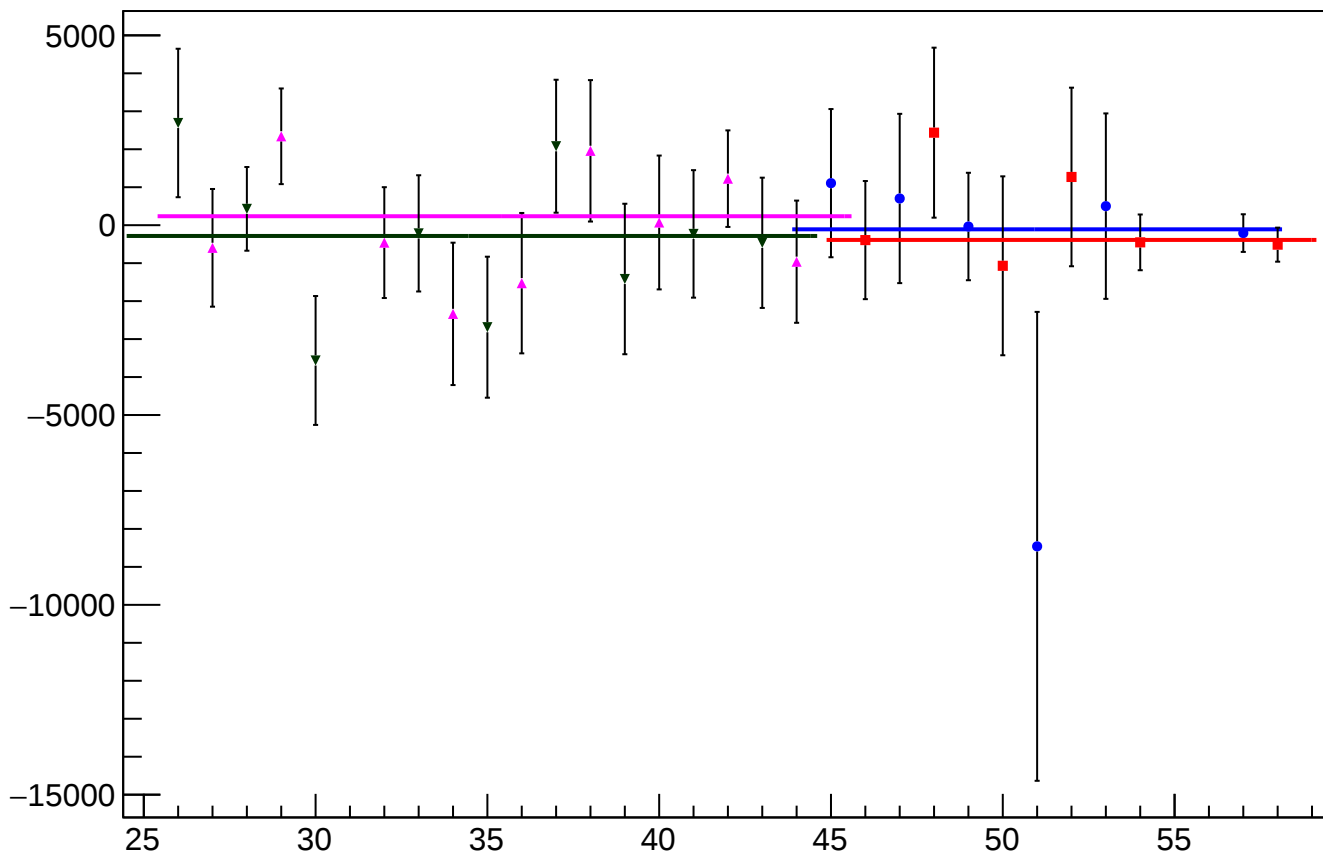
Right Out: 345.225 ± 0.142 χ^2/NDF : 82238.2/5

Left In: 342.999 ± 0.103 χ^2/NDF : 119222.1/8

338.466 ± 0.085 χ^2/NDF : 94337.6/14

343.761 ± 0.083 χ^2/NDF : 201621.2/14

asym_sam5_correction_mean vs slug



Right In: -108.940+/-437.564 χ^2/NDF : 2.5/5

Left Out: -283.767+/-540.454 χ^2/NDF : 10.3/8

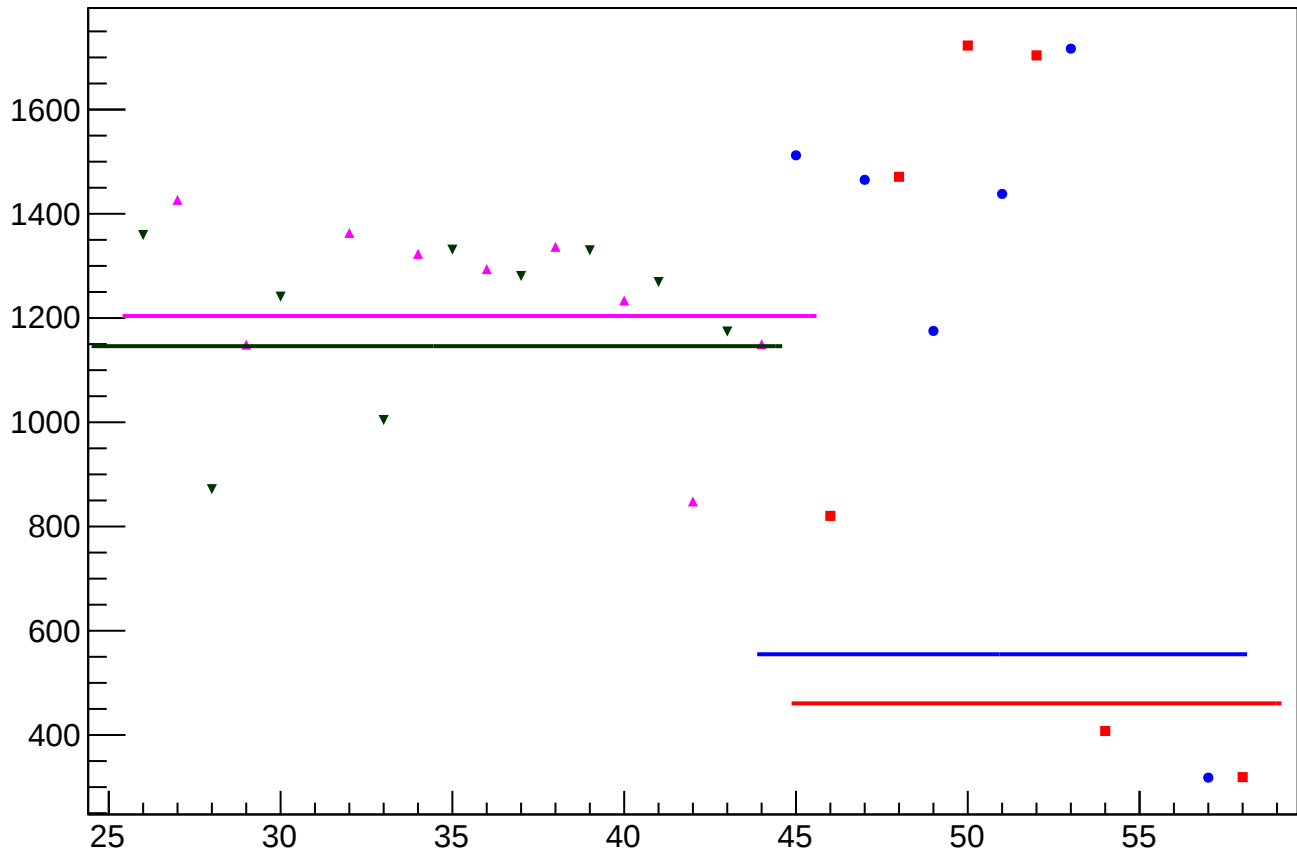
Right Out: -388.258+/-357.985 χ^2/NDF : 2.3/5

Left In: 235.887+/-519.362 χ^2/NDF : 8.1/8

-178.163+/-340.078 χ^2/NDF : 12.8/14

-187.232+/-294.750 χ^2/NDF : 11.4/14

asym_sam5_correction_rms vs slug



Right In: 554.893 ± 0.309 χ^2/NDF : 2148168.2/5

Left Out: 1146.036 ± 0.382 χ^2/NDF : 231345.1/8

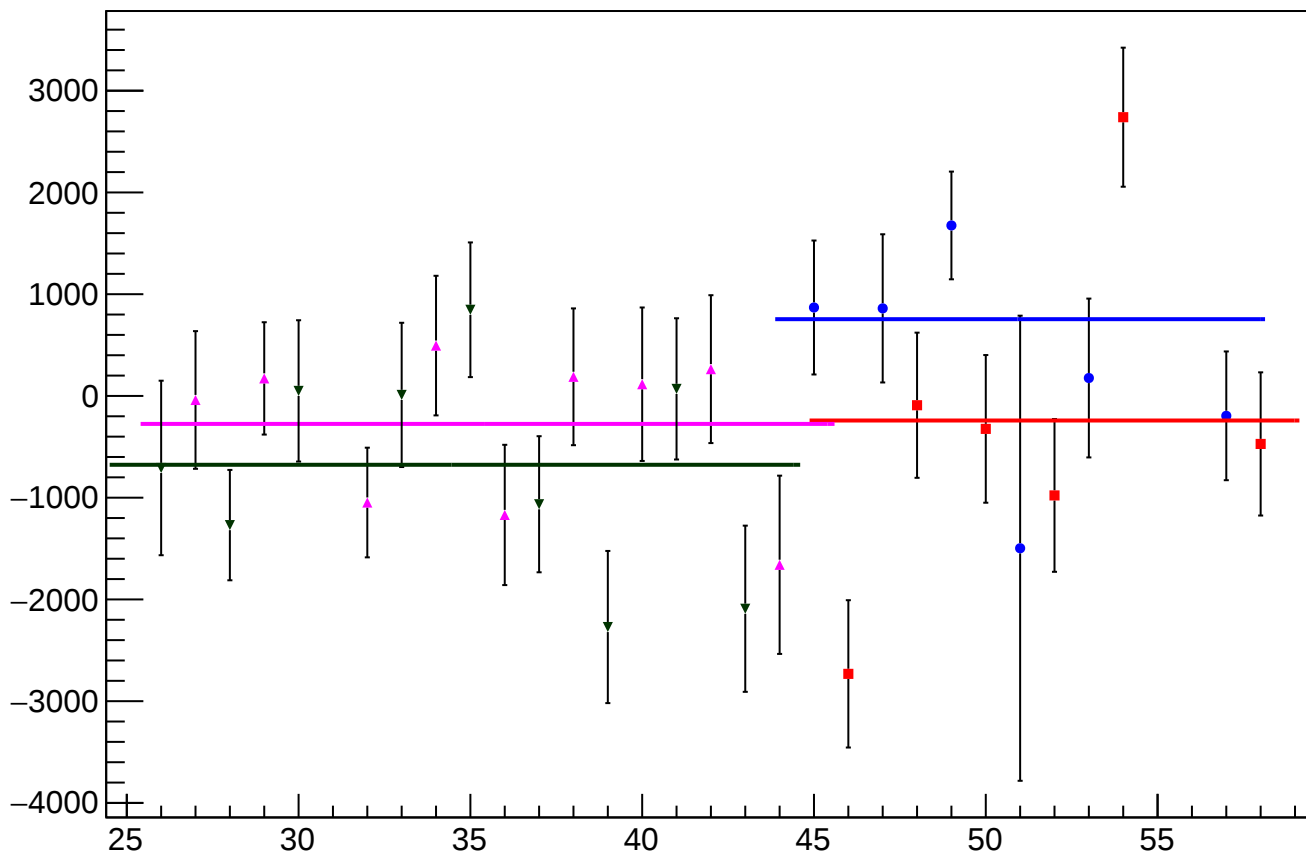
Right Out: 460.694 ± 0.253 χ^2/NDF : 1856580.7/5

Left In: 1203.948 ± 0.367 χ^2/NDF : 251295.7/8

788.955 ± 0.240 χ^2/NDF : 3824859.4/14

700.085 ± 0.208 χ^2/NDF : 4884683.4/14

reg_asym_sam6_mean vs slug



Right In: 754.461 $\pm$ 287.570 χ^2/NDF : 6.9/5

Left Out: -676.628 $\pm$ 231.223 χ^2/NDF : 17.6/8

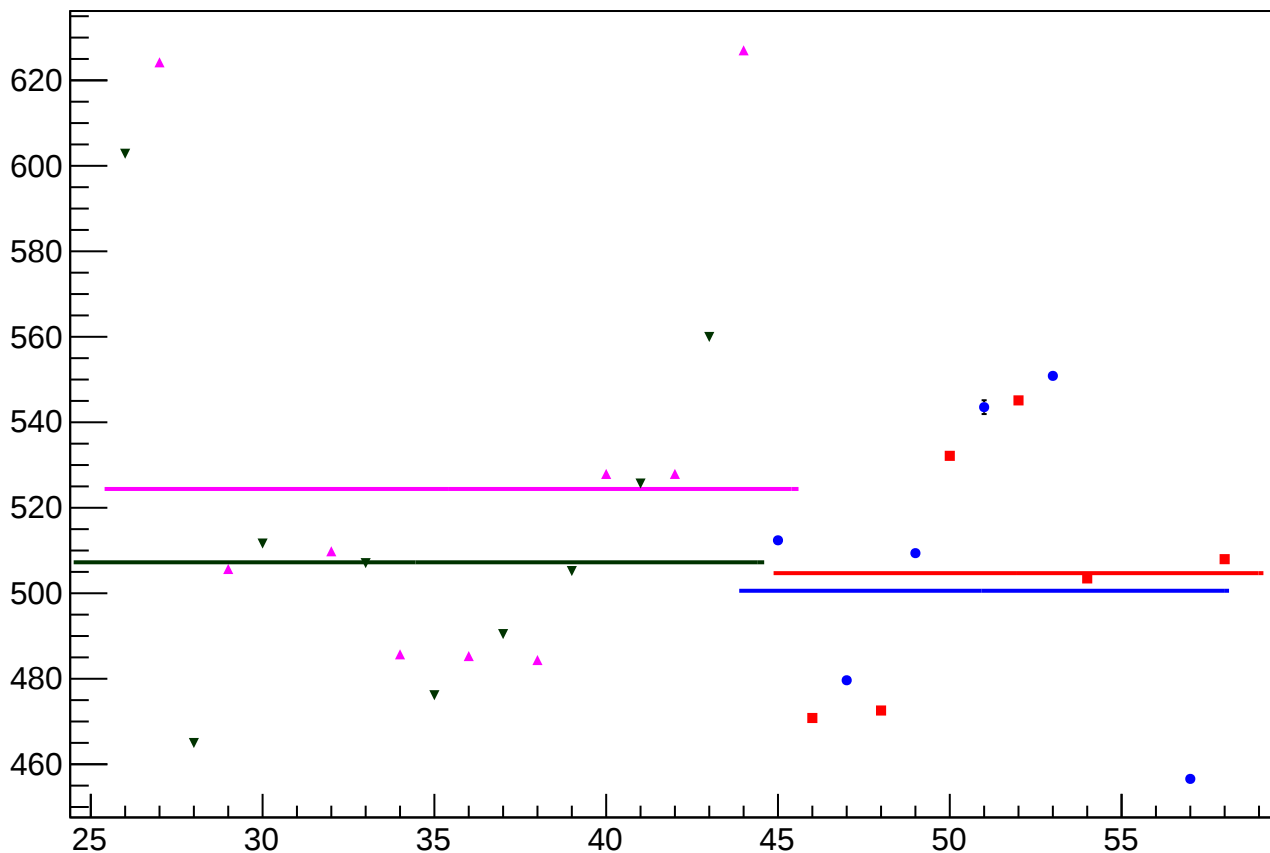
Right Out: -241.427 $\pm$ 292.278 χ^2/NDF : 32.0/5

Left In: -274.897 $\pm$ 221.916 χ^2/NDF : 9.6/8

-114.703 $\pm$ 180.198 χ^2/NDF : 39.5/14

-262.658 $\pm$ 176.744 χ^2/NDF : 41.6/14

reg_asym_sam6_rms vs slug



Right In: 500.586 $\pm$ 0.203 χ^2 /NDF: 21528.6/5

Left Out: 507.245 $\pm$ 0.163 χ^2 /NDF: 52506.9/8

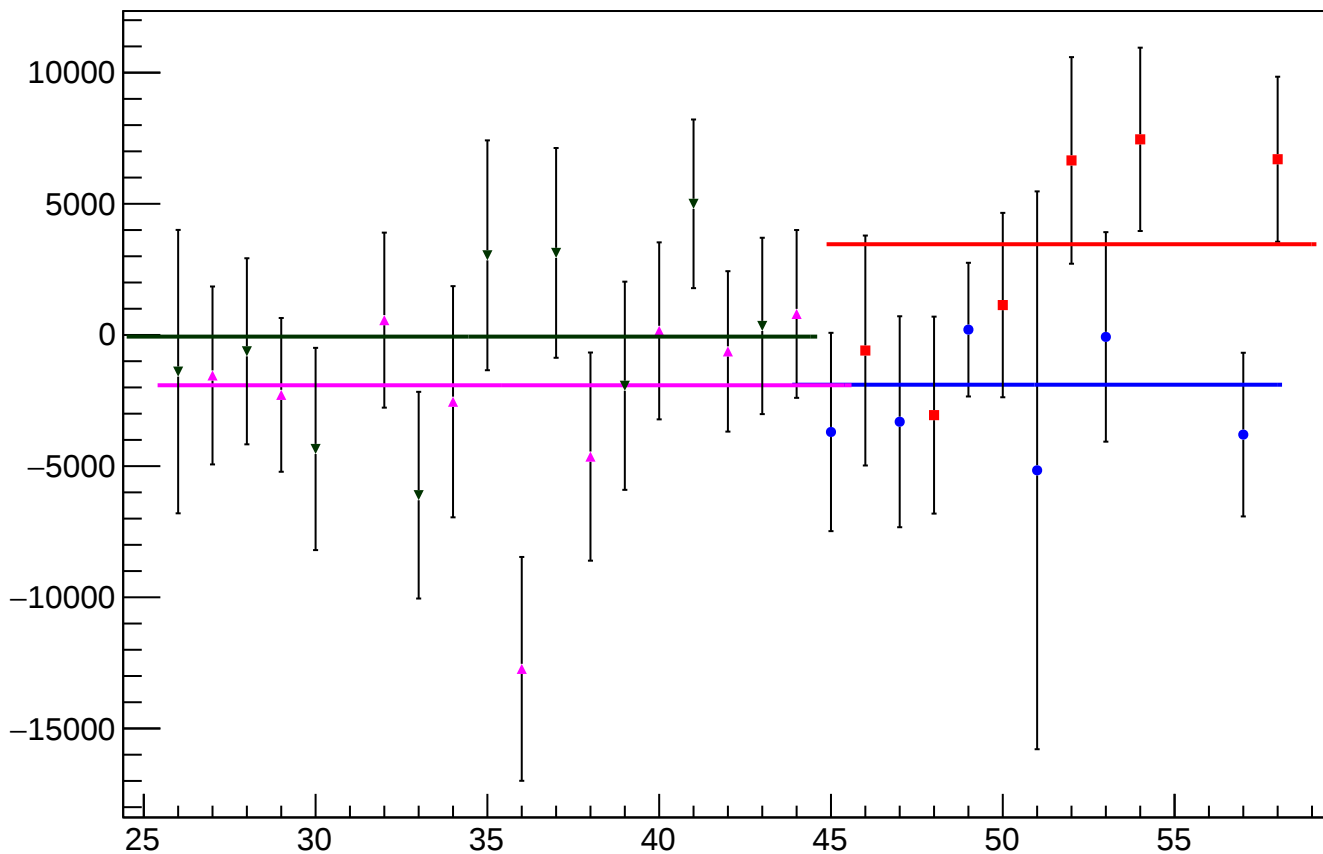
Right Out: 504.706 $\pm$ 0.207 χ^2 /NDF: 17143.9/5

Left In: 524.401 $\pm$ 0.157 χ^2 /NDF: 94710.0/8

504.630 $\pm$ 0.127 χ^2 /NDF: 74686.8/14

517.199 $\pm$ 0.125 χ^2 /NDF: 117614.6/14

asym_sam6_correction_mean vs slug



Right In: -1896.276+/-1474.153 χ^2/NDF : 1.7/5

Left Out: -62.354+/-1281.480 χ^2/NDF : 7.5/8

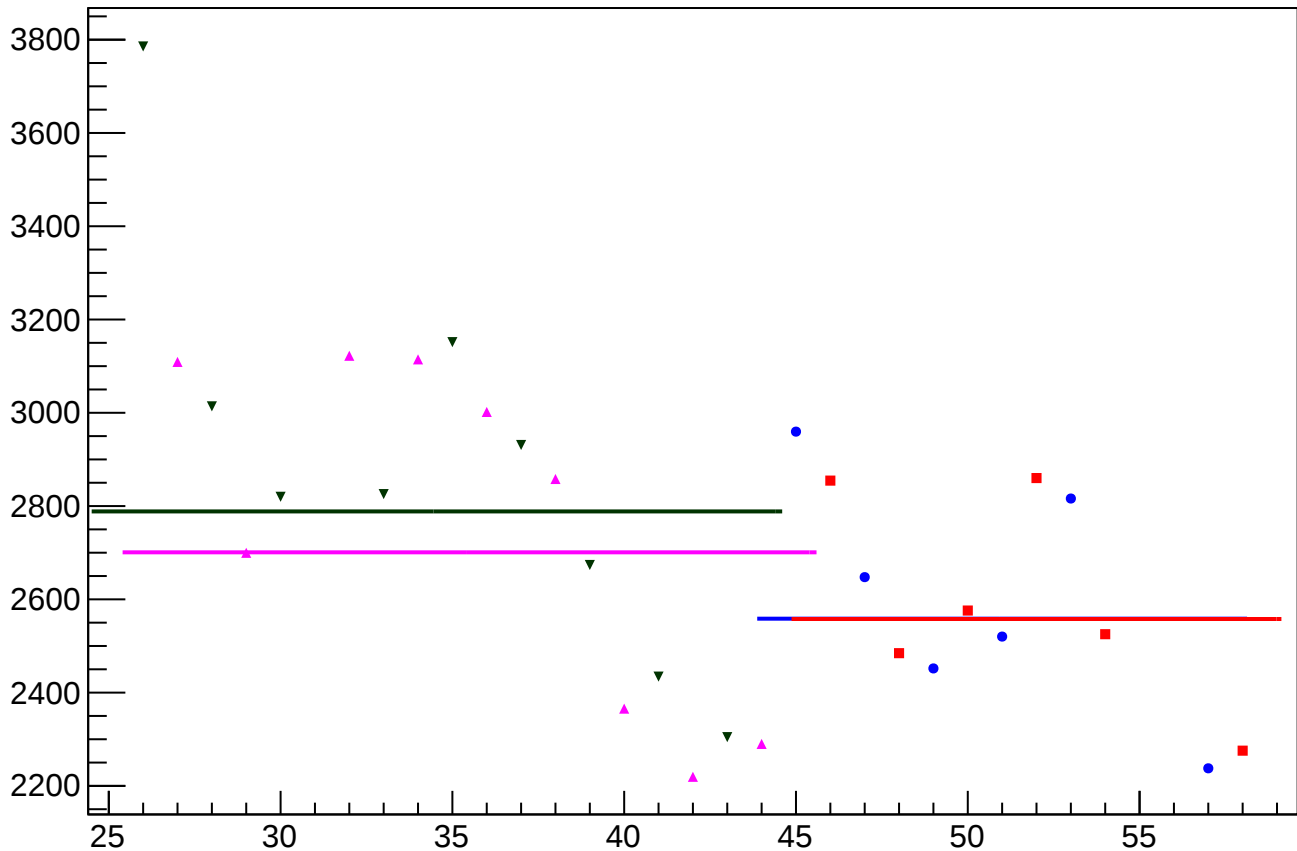
Right Out: 3459.265+/-1488.358 χ^2/NDF : 7.3/5

Left In: -1917.139+/-1150.328 χ^2/NDF : 8.8/8

-851.712+/-967.139 χ^2/NDF : 10.1/14

93.438+/-910.169 χ^2/NDF : 24.3/14

asym_sam6_correction_rms vs slug



Right In: 2558.533+/-1.042 χ^2/NDF : 56509.7/5

Left Out: 2788.520+/-0.906 χ^2/NDF :160197.2/8

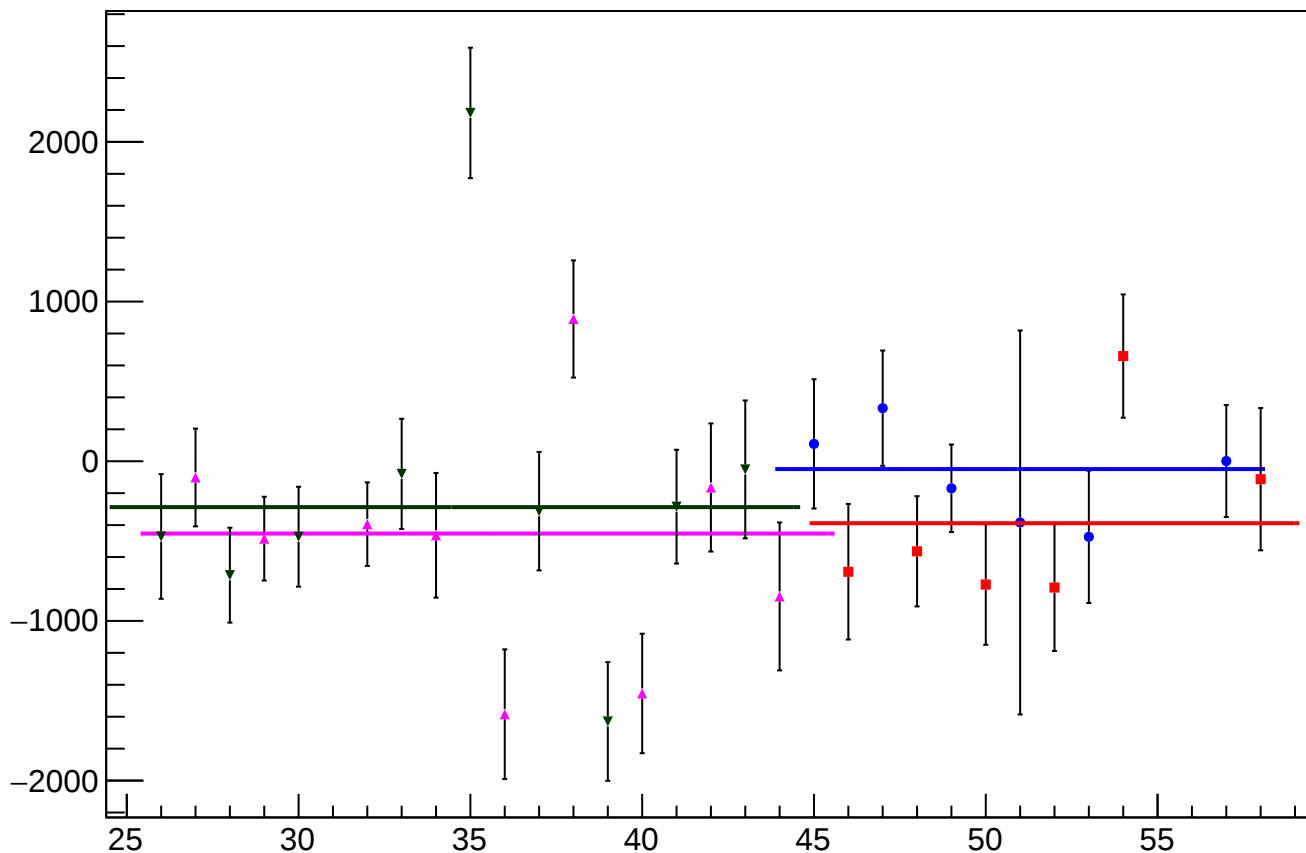
2689.529+/-0.684 χ^2/NDF : 244434.1/14

Right Out: 2557.857+/-1.052 χ^2/NDF : 38049.4/5

2647.352+/-0.644 χ^2/NDF : 243534.1/14

Left In: 2700.808+/-0.813 χ^2/NDF :193934.1/8

reg_asym_sam7_mean vs slug



Right In: -49.135 $\pm$ 154.845 χ^2 /NDF: 2.6/5

Left Out: -287.418 $\pm$ 119.318 χ^2 /NDF:52.8/8

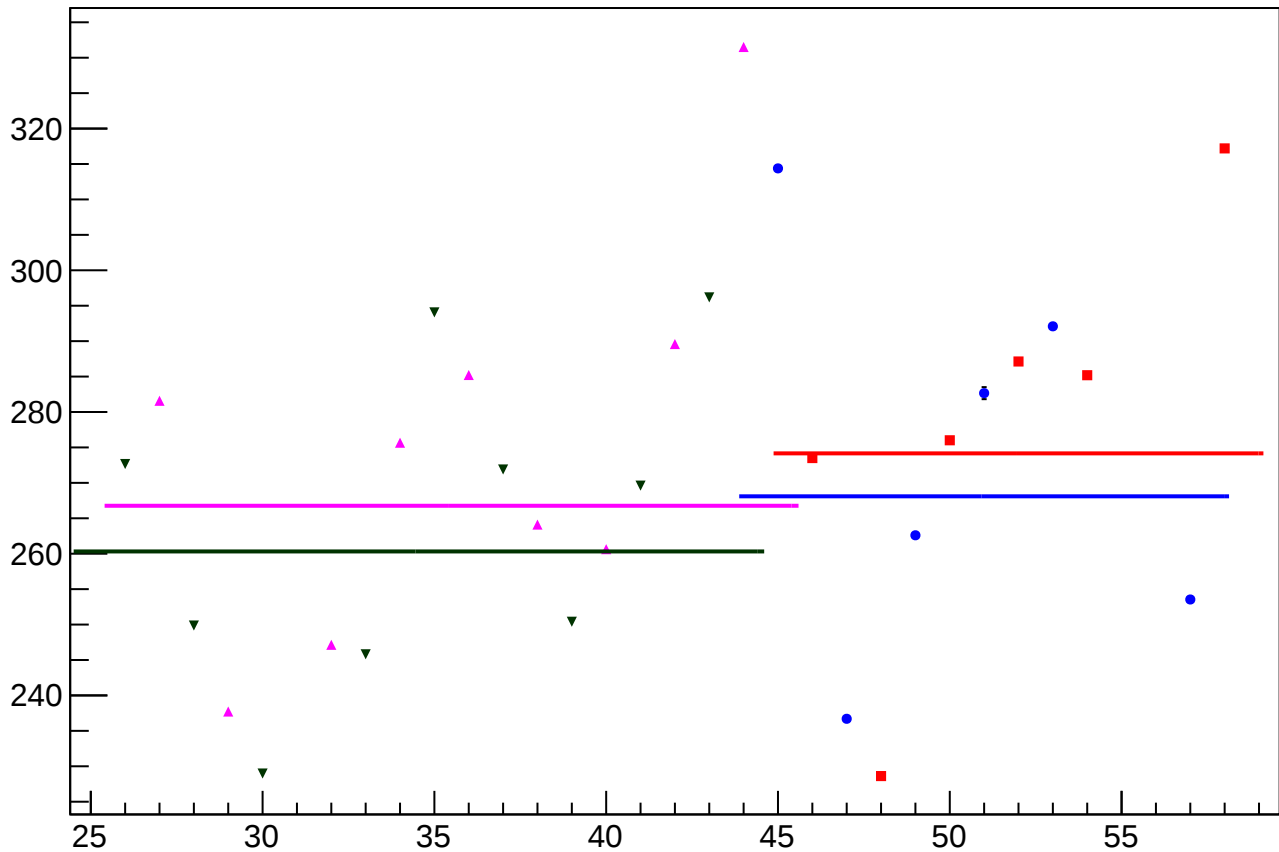
Right Out: -388.120 $\pm$ 160.045 χ^2 /NDF: 10.6/5

Left In: -452.872 $\pm$ 113.322 χ^2 /NDF:31.0/8

-198.644 $\pm$ 94.513 χ^2 /NDF: 56.9/14

-431.249 $\pm$ 92.486 χ^2 /NDF: 41.6/14

reg_asym_sam7_rms vs slug



Right In: 268.100 ± 0.109 χ^2/NDF : 52513.1/5

Left Out: 260.321 ± 0.084 χ^2/NDF : 60237.4/8

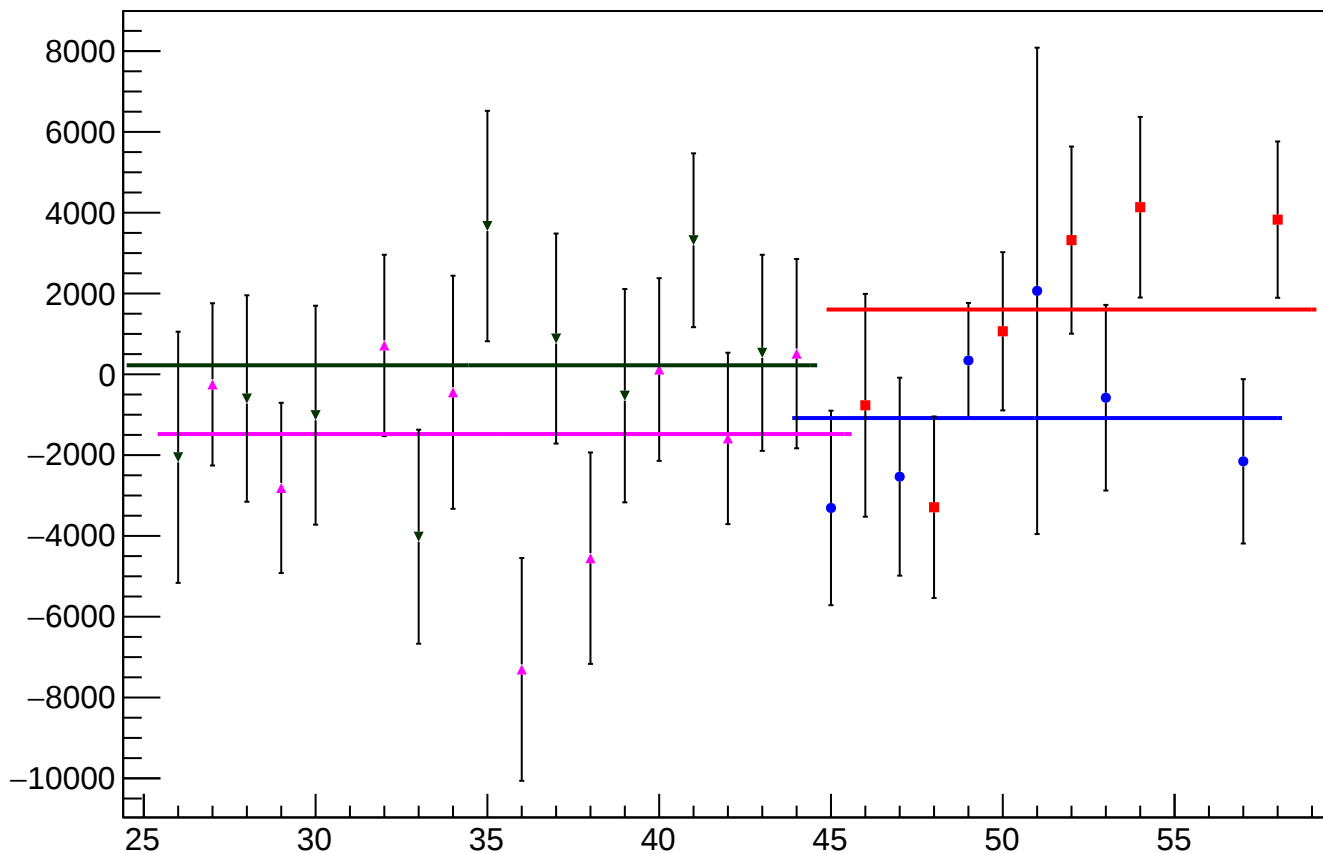
Right Out: 274.161 ± 0.113 χ^2/NDF : 57315.2/5

Left In: 266.767 ± 0.080 χ^2/NDF : 91803.4/8

263.219 ± 0.067 χ^2/NDF : 115917.9/14

269.236 ± 0.065 χ^2/NDF : 151962.0/14

asym_sam7_correction_mean vs slug



Right In: -1082.656+/-880.139 χ^2/NDF : 2.8/5

Left Out: 223.347+/-865.231 χ^2/NDF : 7.1/8

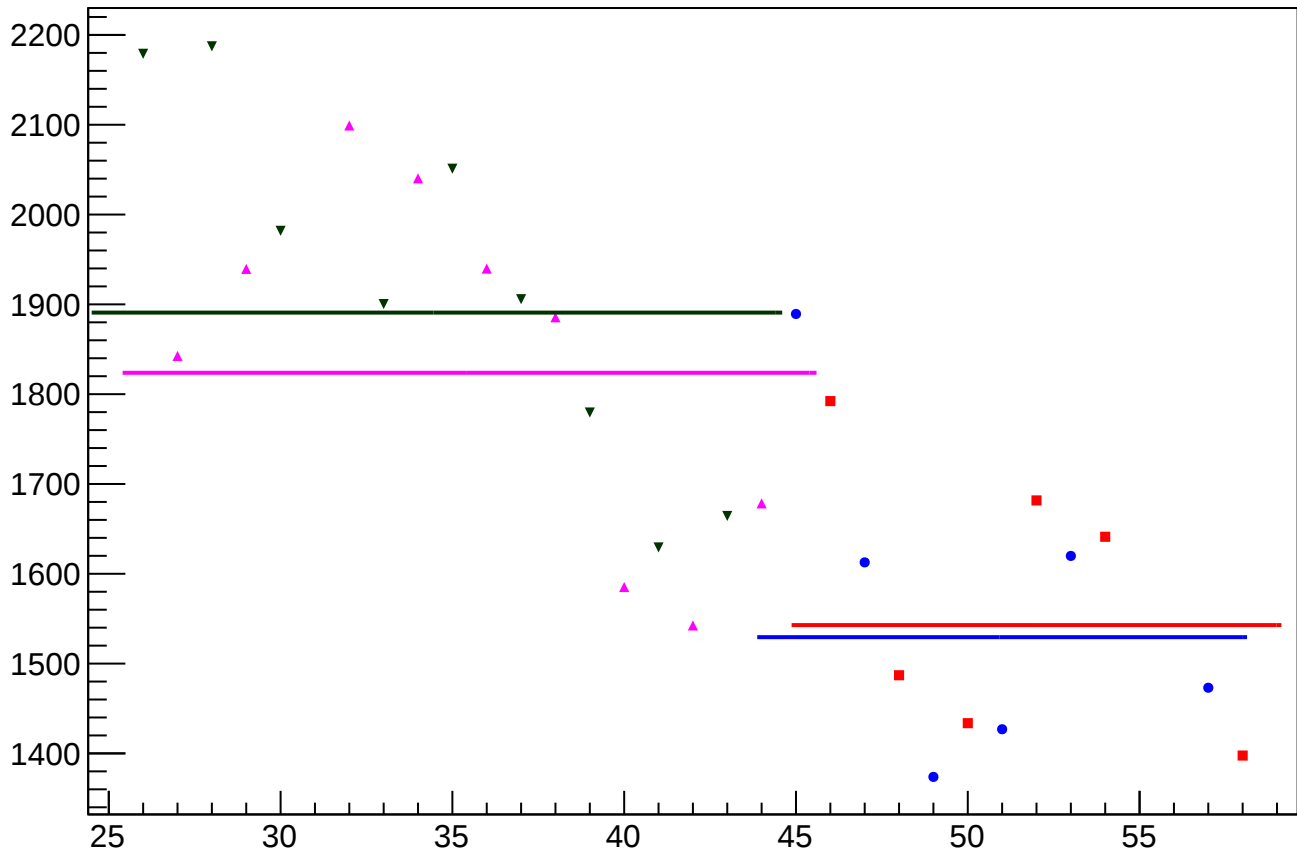
Right Out: 1603.514+/-896.525 χ^2/NDF : 8.7/5

Left In: -1478.705+/-773.885 χ^2/NDF : 8.9/8

-418.500+/-617.014 χ^2/NDF : 11.0/14

-162.676+/-585.819 χ^2/NDF : 24.4/14

asym_sam7_correction_rms vs slug



Right In: 1529.424+/-0.622 χ^2/NDF : 76091.6/5

Left Out: 1890.834+/-0.612 χ^2/NDF :103303.6/8

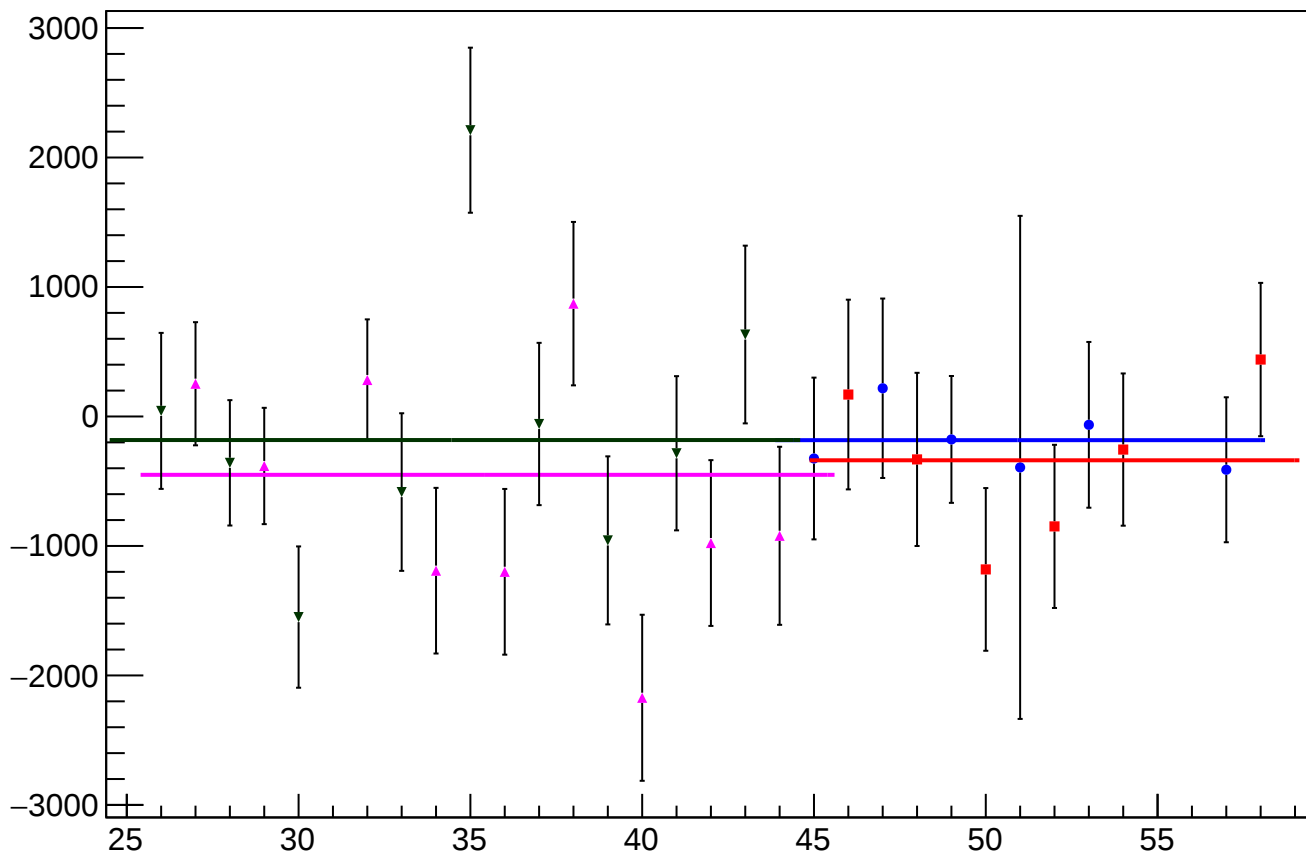
Right Out: 1542.870+/-0.634 χ^2/NDF : 46157.4/5

Left In: 1823.820+/-0.547 χ^2/NDF :117391.1/8

1713.216+/-0.436 χ^2/NDF : 350891.5/14

1703.862+/-0.414 χ^2/NDF : 276097.0/14

reg_asym_sam8_mean vs slug



Right In: -182.991 $\pm$ 260.750 χ^2 /NDF: 0.6/5

Left Out: -181.996 $\pm$ 198.404 χ^2 /NDF:24.0/8

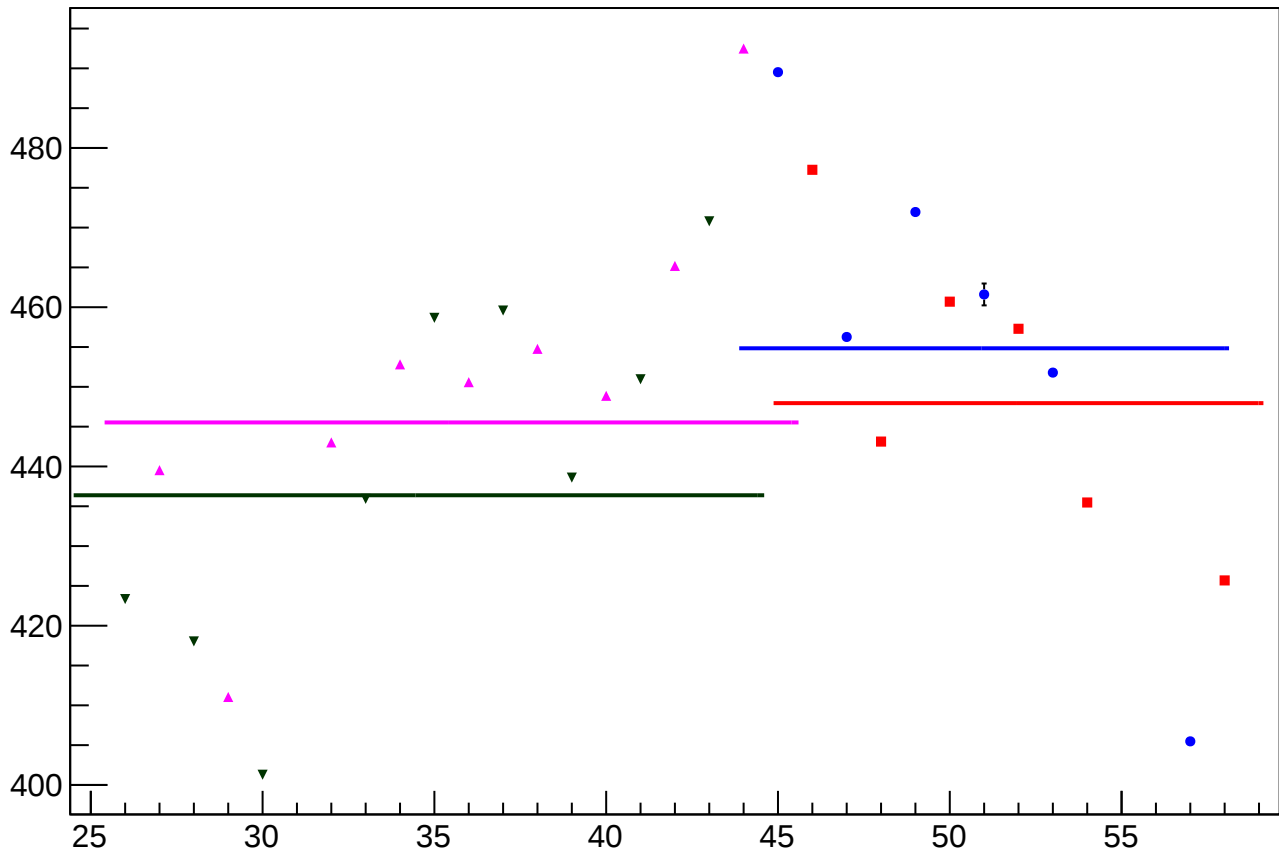
Right Out: -338.428 $\pm$ 259.083 χ^2 /NDF: 4.7/5

Left In: -450.653 $\pm$ 187.903 χ^2 /NDF:20.1/8

-182.361 $\pm$ 157.893 χ^2 /NDF: 24.6/14

-411.970 $\pm$ 152.109 χ^2 /NDF: 24.9/14

reg_asym_sam8_rms vs slug



Right In: 454.842 $\pm$ 0.184 χ^2 /NDF: 24233.1/5

Left Out: 436.383 $\pm$ 0.140 χ^2 /NDF:23517.4/8

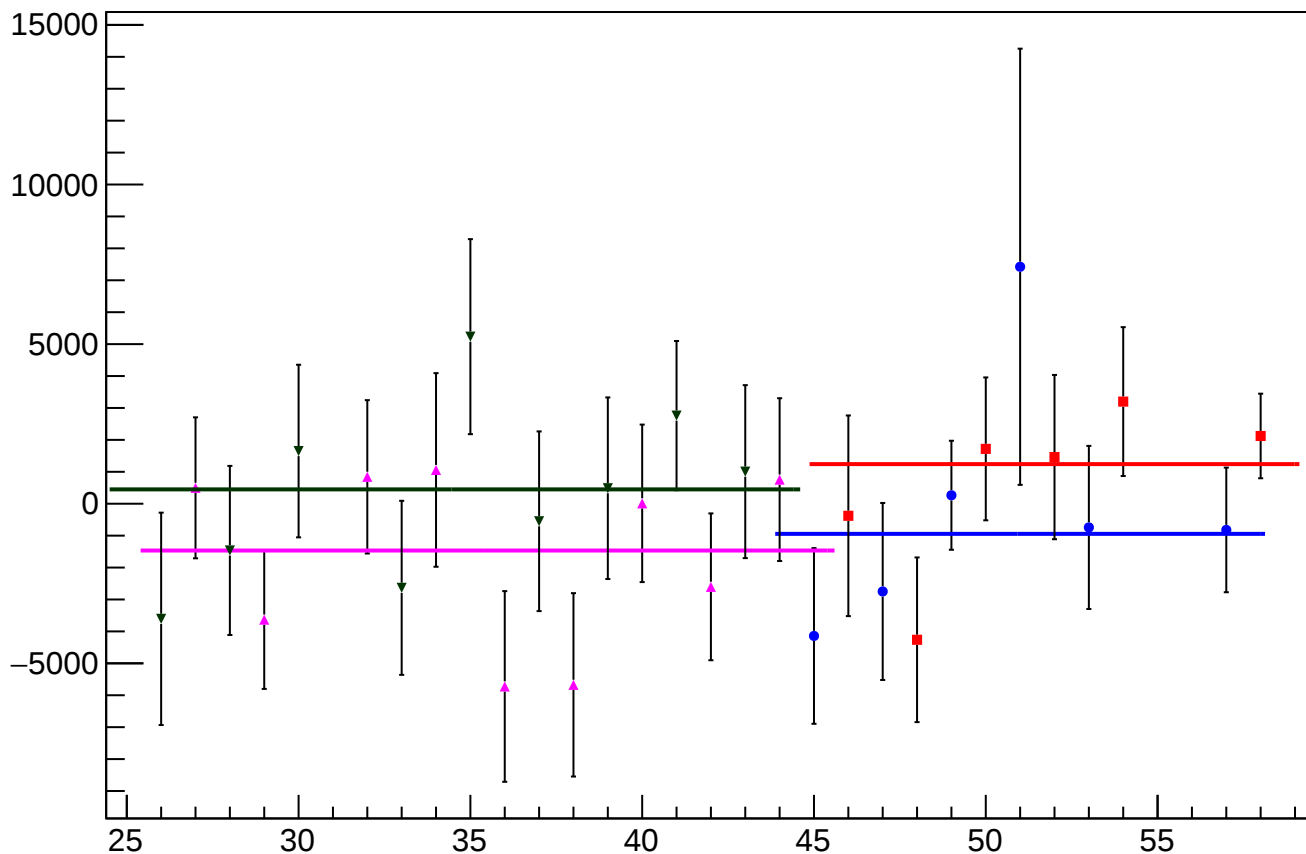
Right Out: 447.953 $\pm$ 0.183 χ^2 /NDF: 8295.9/5

Left In: 445.528 $\pm$ 0.133 χ^2 /NDF:24241.7/8

443.151 $\pm$ 0.112 χ^2 /NDF: 54098.1/14

446.364 $\pm$ 0.108 χ^2 /NDF: 32652.4/14

asym_sam8_correction_mean vs slug



Right In: -943.943 ± 979.562 $\chi^2/\text{NDF}: 3.8/5$

Left Out: 449.371 ± 920.334 $\chi^2/\text{NDF}: 7.1/8$

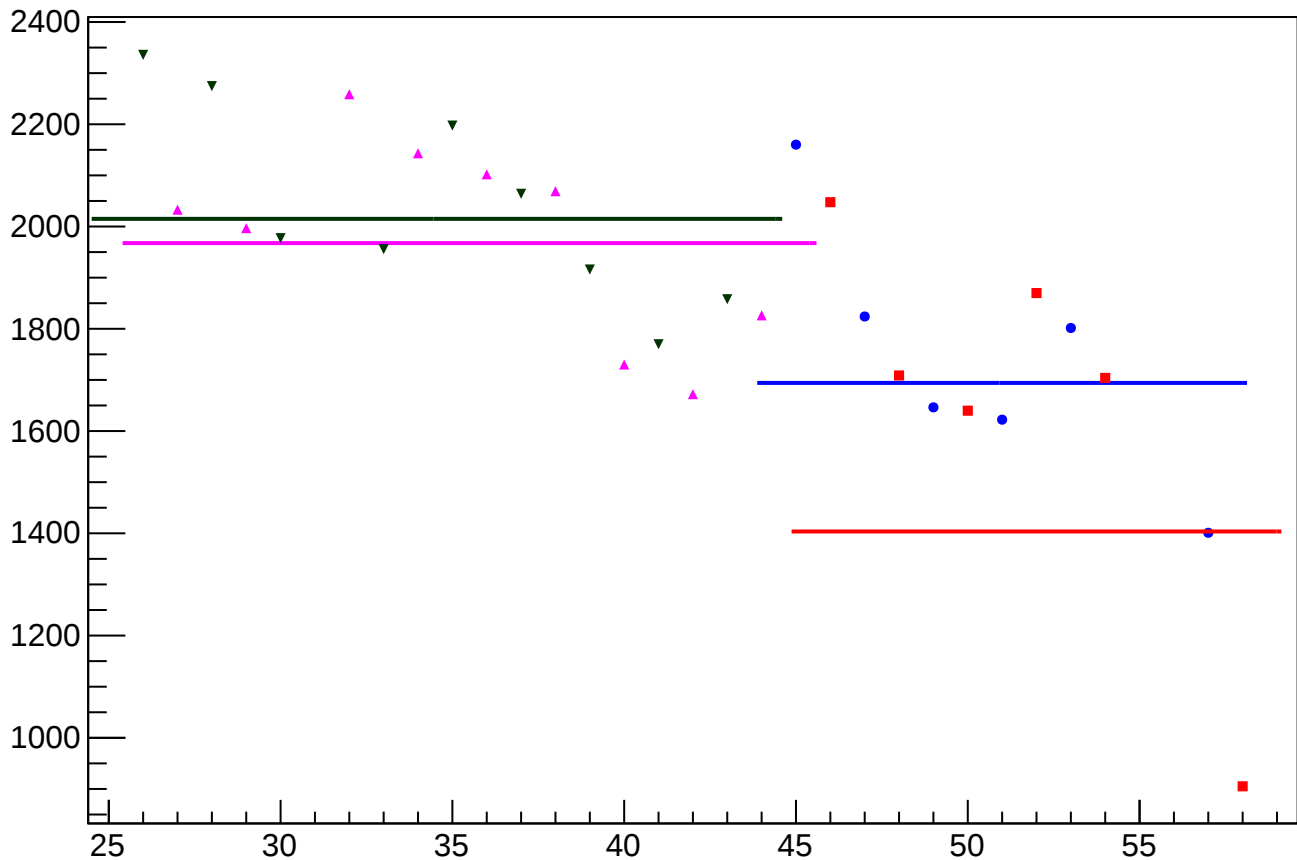
Right Out: 1240.952 ± 858.859 $\chi^2/\text{NDF}: 6.0/5$

Left In: -1466.179 ± 833.373 $\chi^2/\text{NDF}: 8.9/8$

-203.893 ± 670.736 $\chi^2/\text{NDF}: 11.9/14$

-153.377 ± 598.091 $\chi^2/\text{NDF}: 20.1/14$

asym_sam8_correction_rms vs slug



Right In: 1694.169 ± 0.693 $\chi^2/\text{NDF}: 112141.7/5$

Left Out: 2015.018 ± 0.651 $\chi^2/\text{NDF}: 78061.6/8$

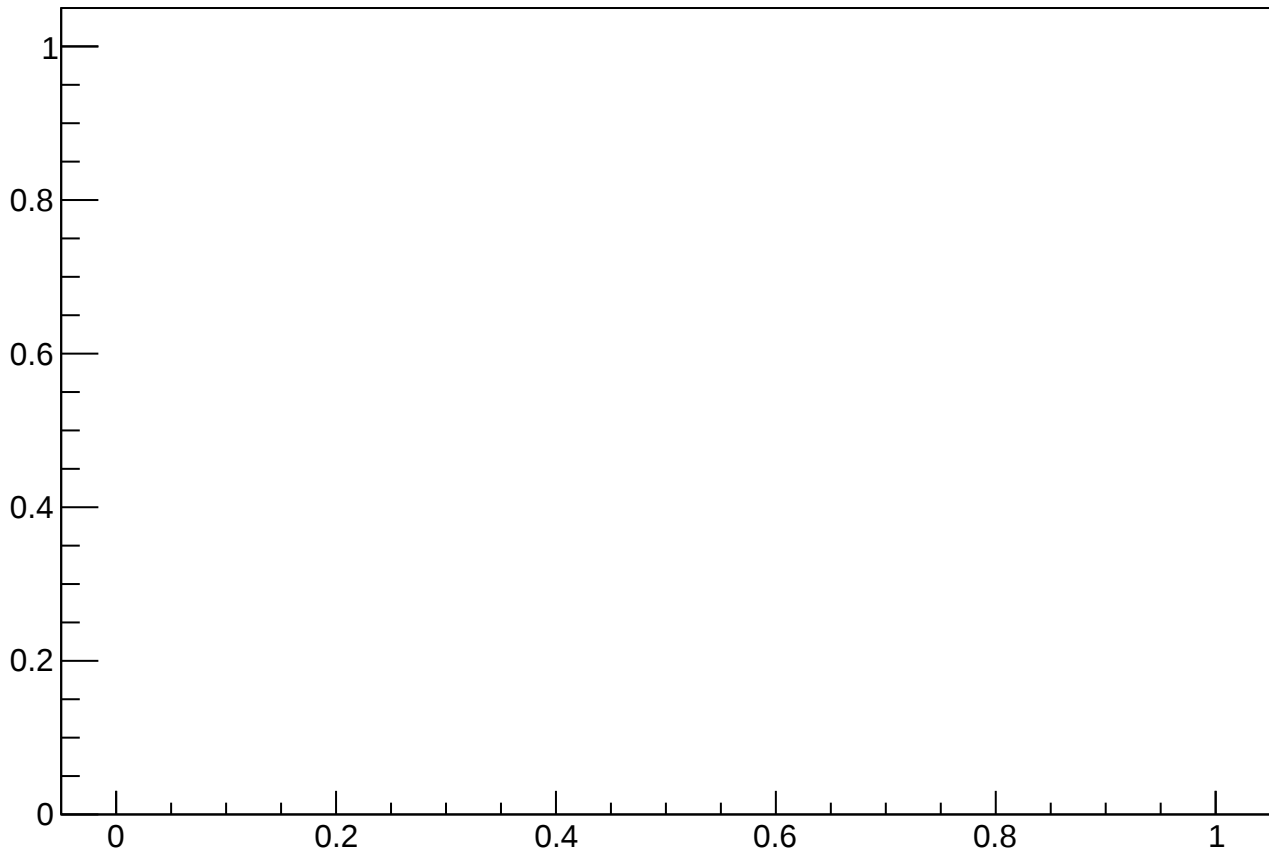
1864.586 ± 0.474 $\chi^2/\text{NDF}: 304170.4/14$

Right Out: 1403.564 ± 0.607 $\chi^2/\text{NDF}: 516123.6/5$

Left In: 1967.585 ± 0.589 $\chi^2/\text{NDF}: 102442.6/8$

1694.067 ± 0.423 $\chi^2/\text{NDF}: 1062820.0/14$

bcm_an_us_ds3_avg_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

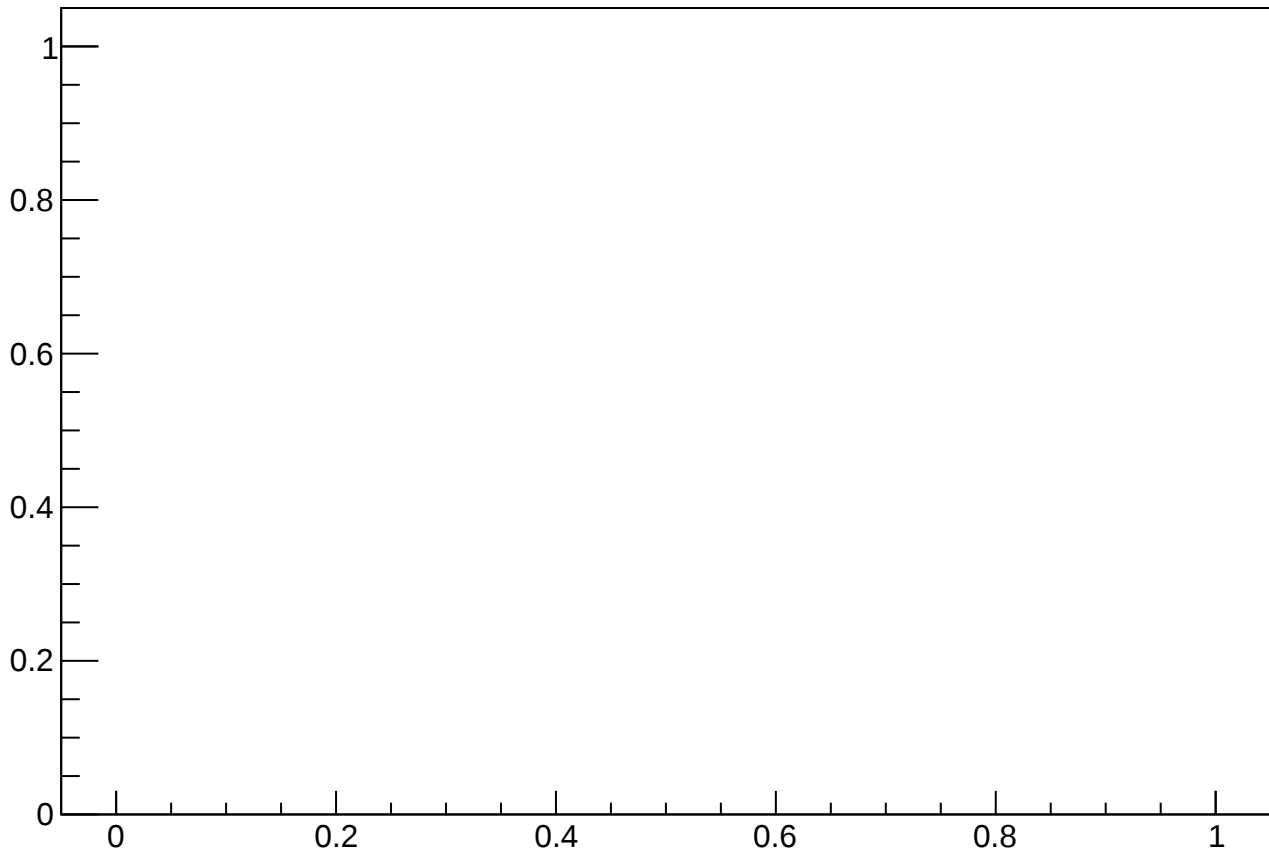
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_an_us_ds3_avg_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

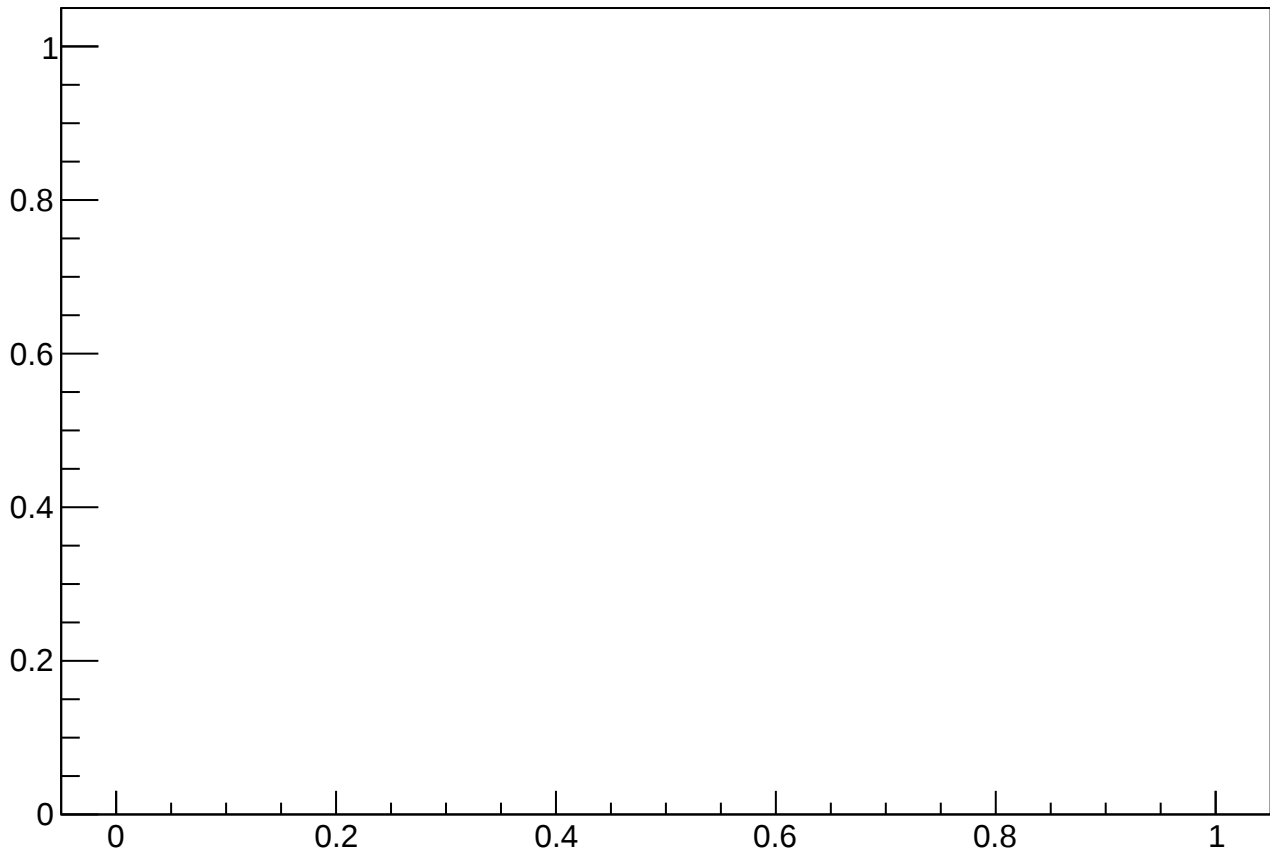
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_an_ds_ds3_avg_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

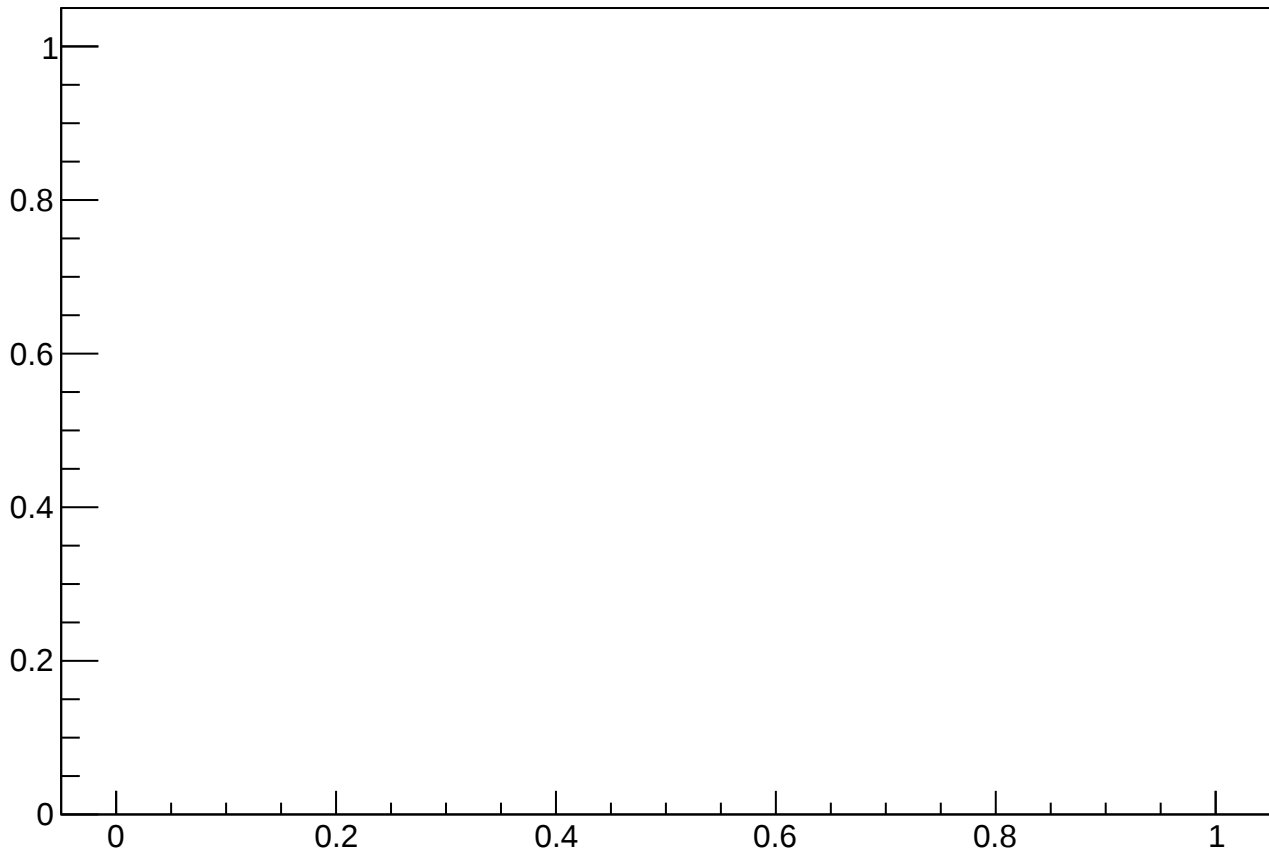
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_an_ds_ds3_avg_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

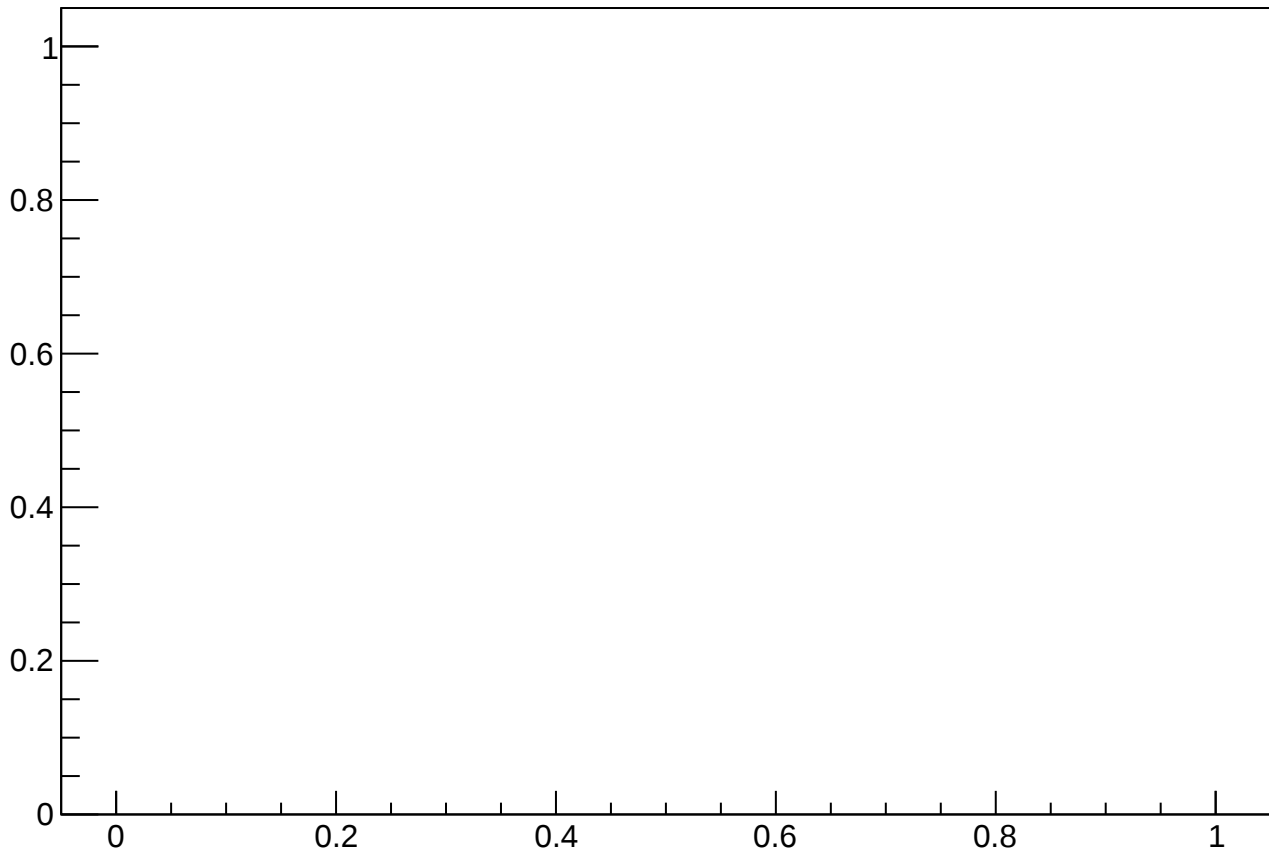
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds3_avg_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

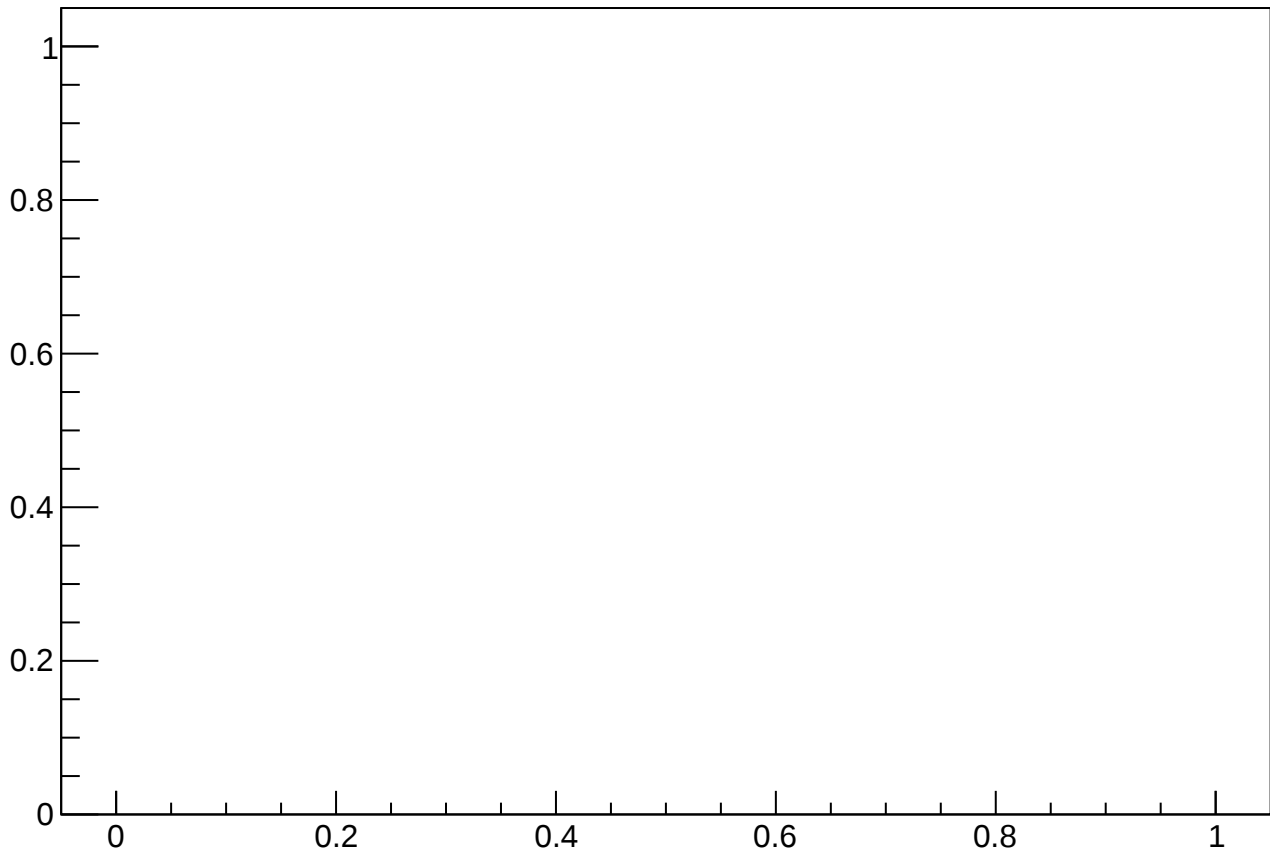
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_ds3_avg_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

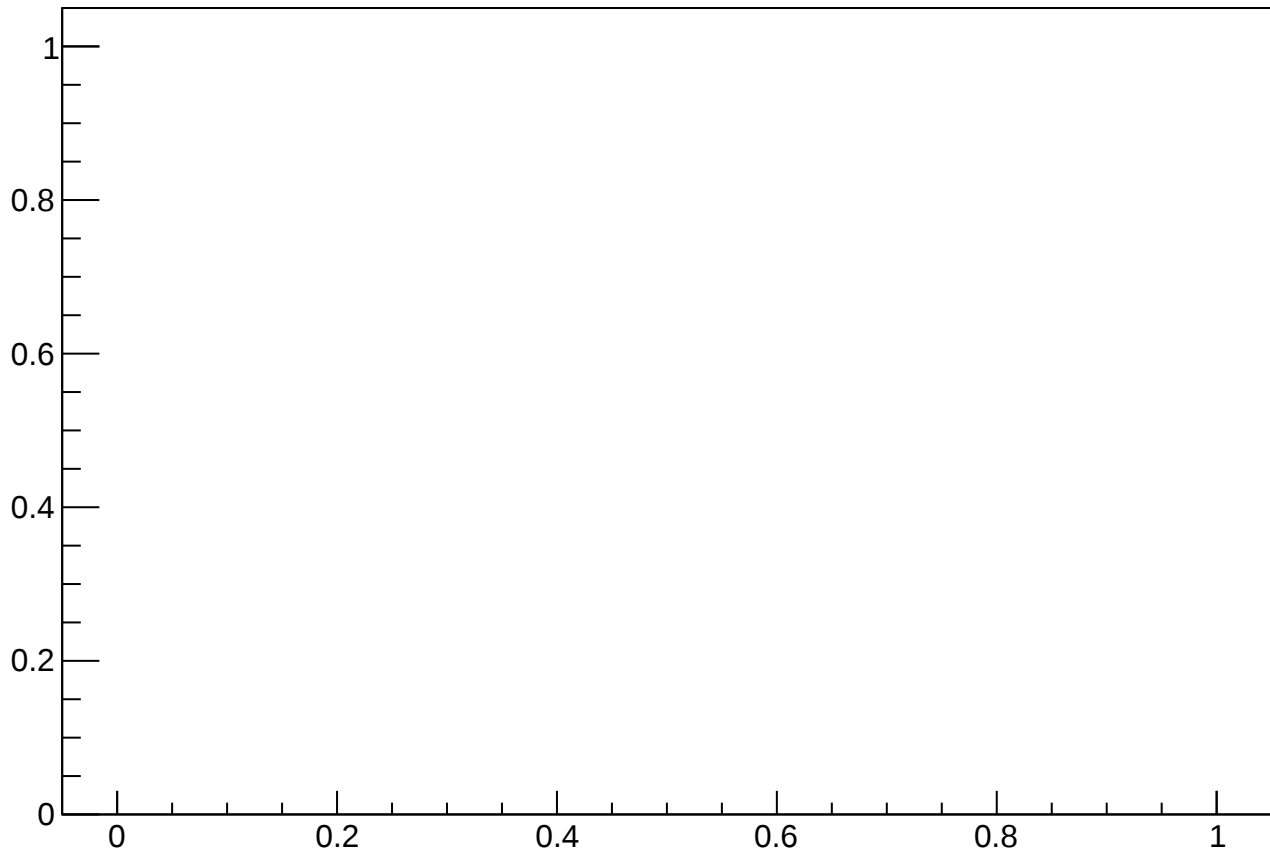
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_cav4cQ_ds3_avg_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

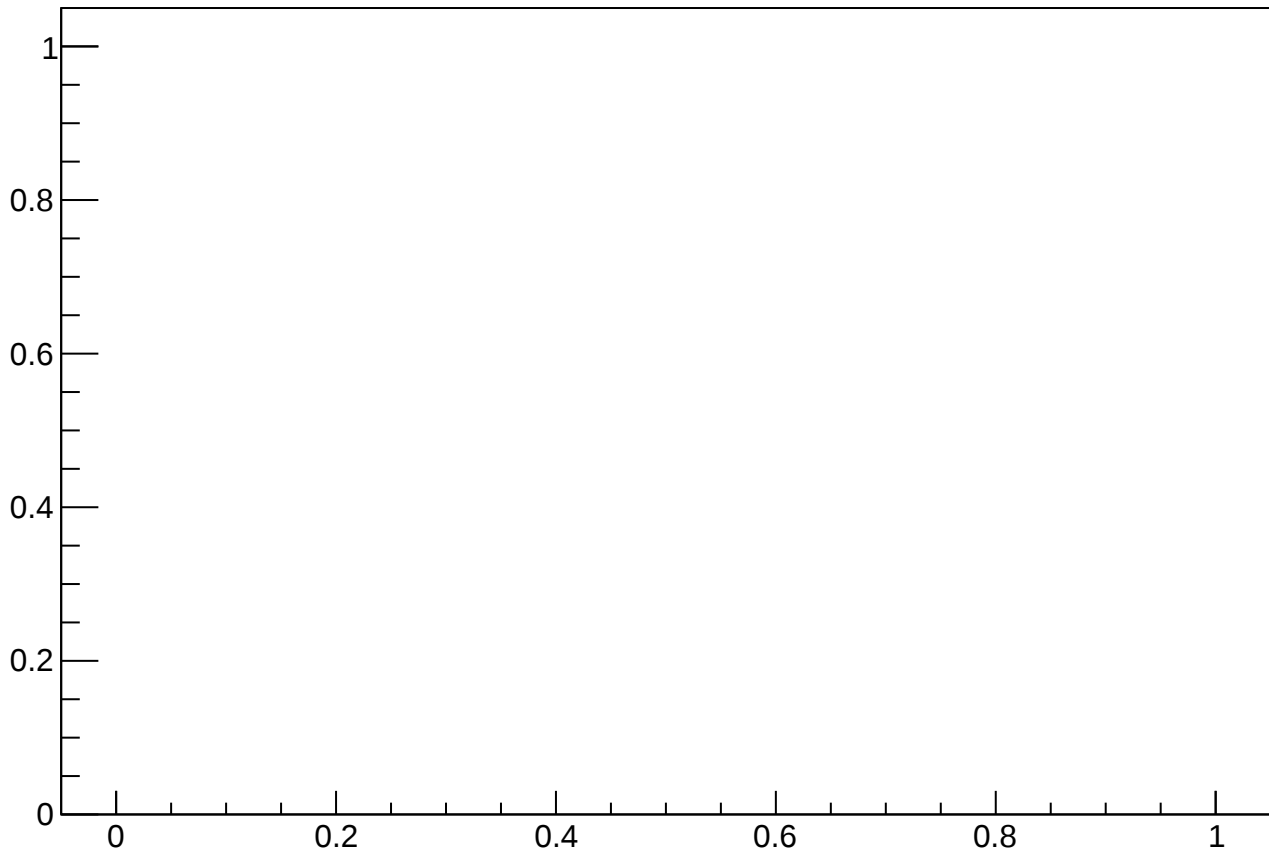
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_cav4cQ_ds3_avg_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

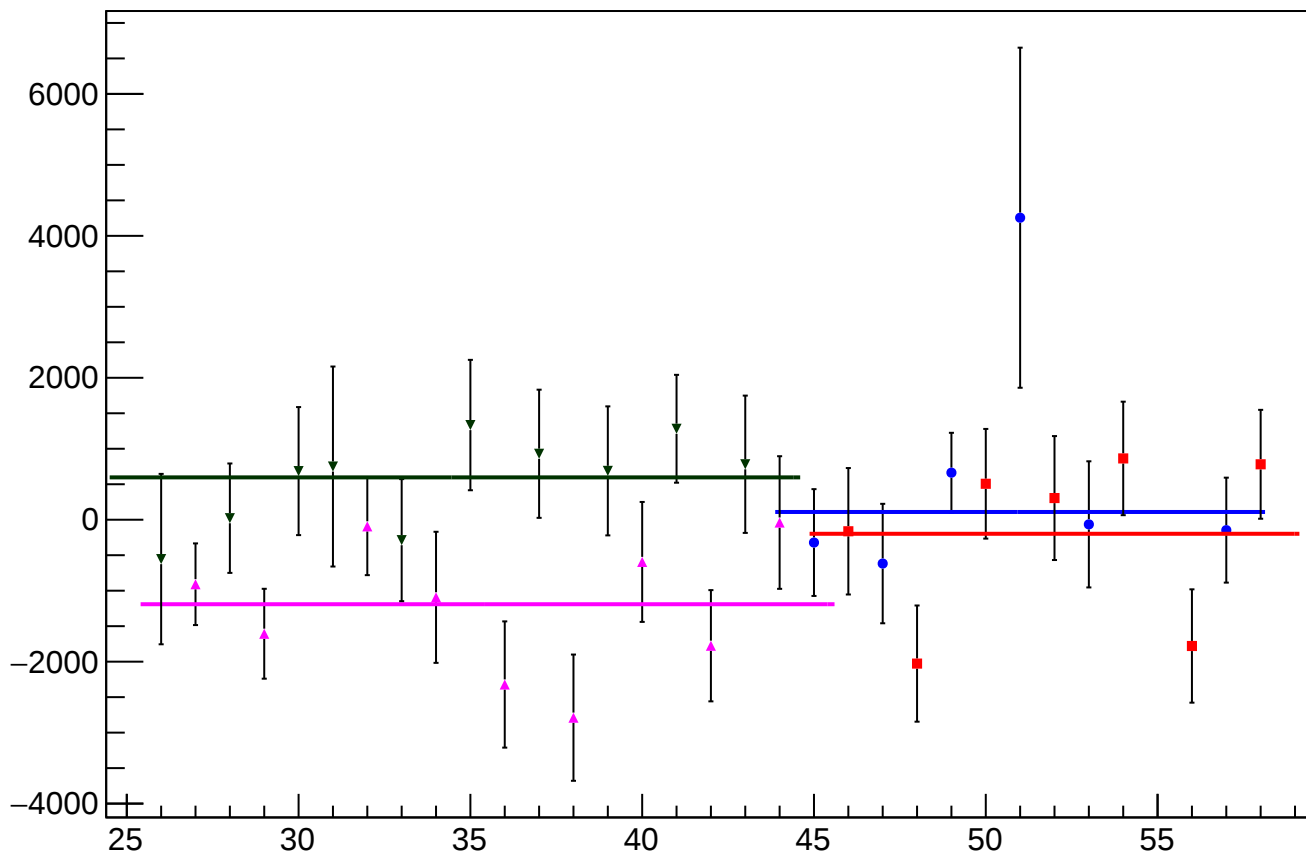
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_left_avg_mean vs slug



Right In: 109.158 $\pm$ 322.515 χ^2/NDF : 5.2/5

Left Out: 596.646 $\pm$ 290.082 χ^2/NDF : 4.2/9

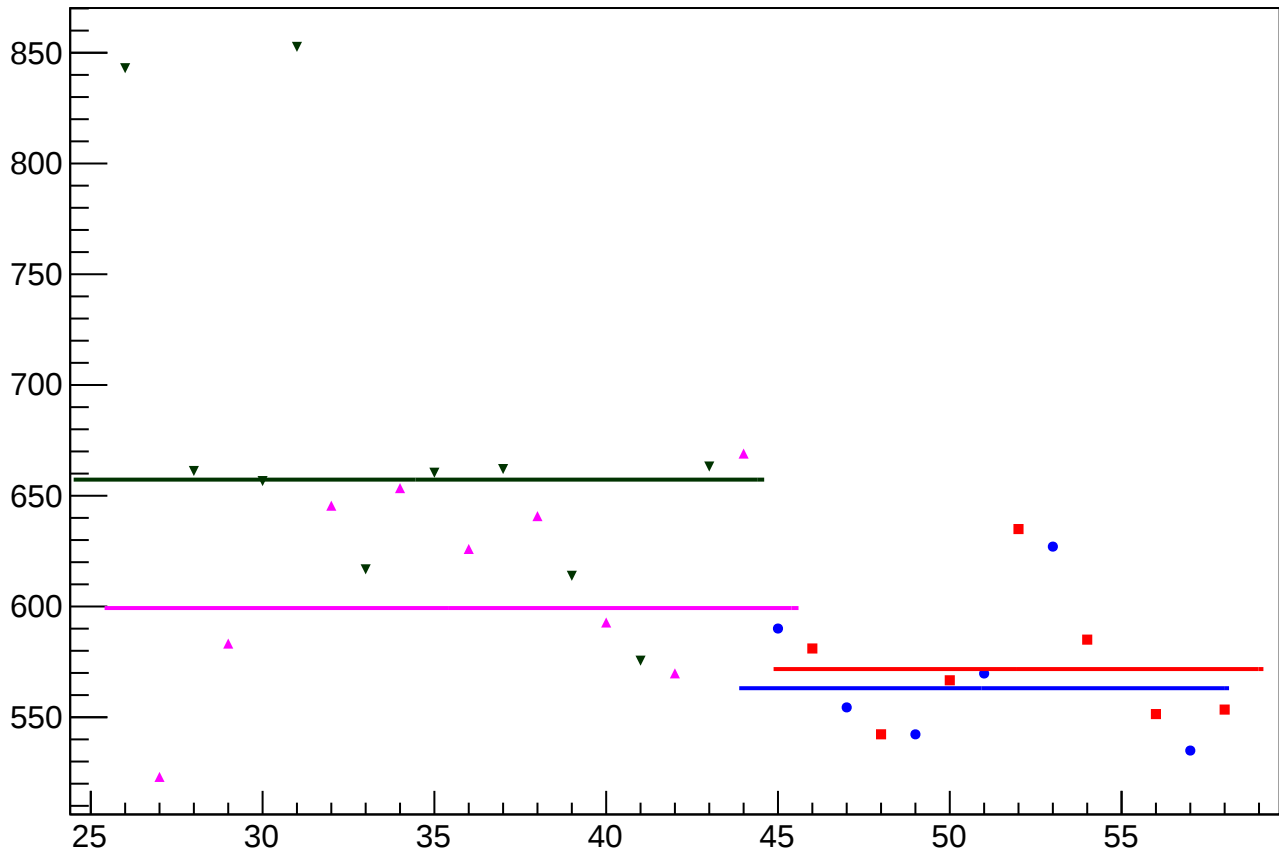
Right Out: -198.066 $\pm$ 307.587 χ^2/NDF : 13.5/6

Left In: -1190.705 $\pm$ 253.970 χ^2/NDF : 10.6/8

378.638 $\pm$ 215.677 χ^2/NDF : 10.7/15

-788.306 $\pm$ 195.840 χ^2/NDF : 30.3/15

asym_left_avg_rms vs slug



Right In: 563.110 $\pm$ 0.228 χ^2 /NDF: 18784.8/5

Left Out: 657.280 $\pm$ 0.205 χ^2 /NDF:118673.7/9

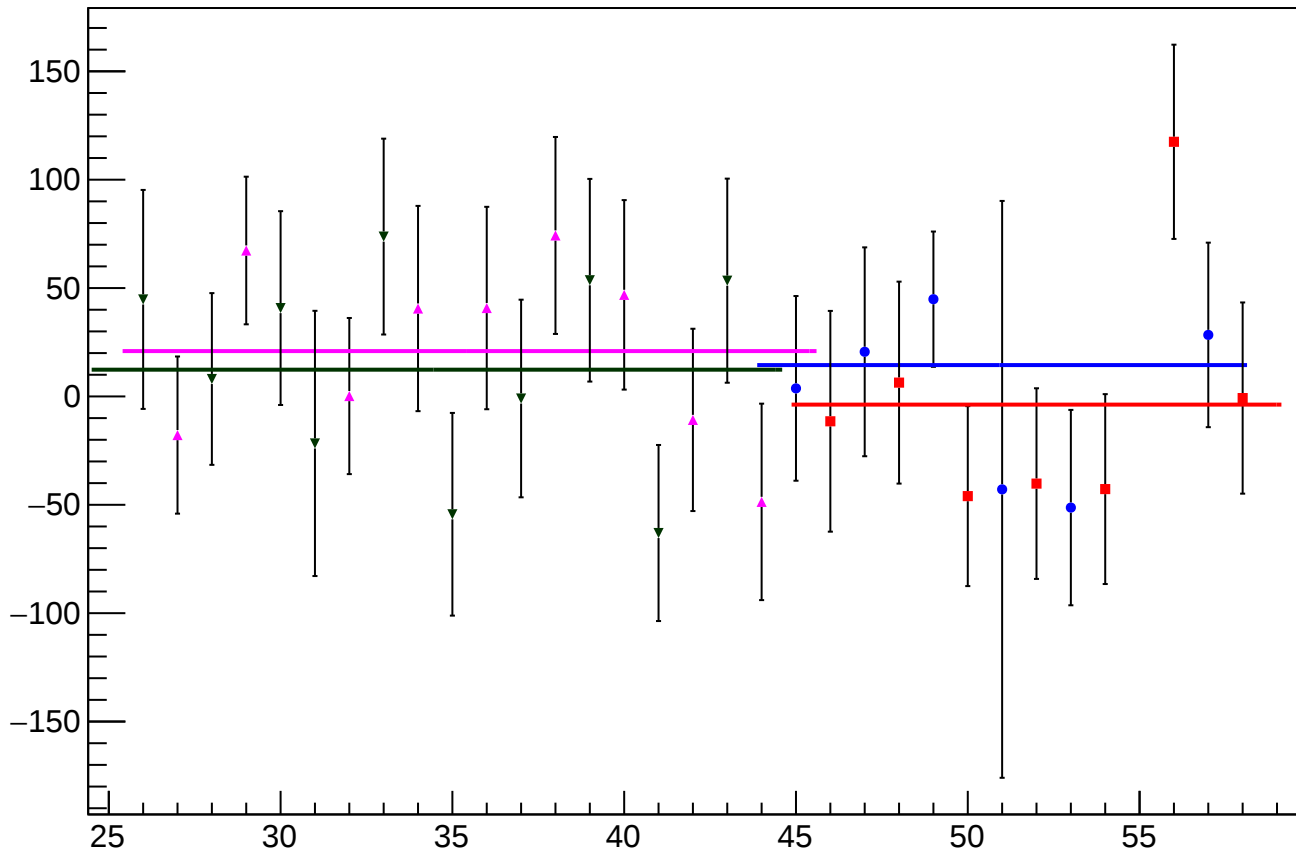
Right Out: 571.752 $\pm$ 0.217 χ^2 /NDF: 16356.6/6

Left In: 599.296 $\pm$ 0.180 χ^2 /NDF:72545.0/8

615.167 $\pm$ 0.153 χ^2 /NDF: 231716.1/15

588.130 $\pm$ 0.138 χ^2 /NDF: 98437.8/15

asym_left_dd_mean vs slug



Right In: 14.467 ± 17.935 χ^2/NDF : 3.4/5

Left Out: 12.342 ± 14.526 χ^2/NDF : 10.1/9

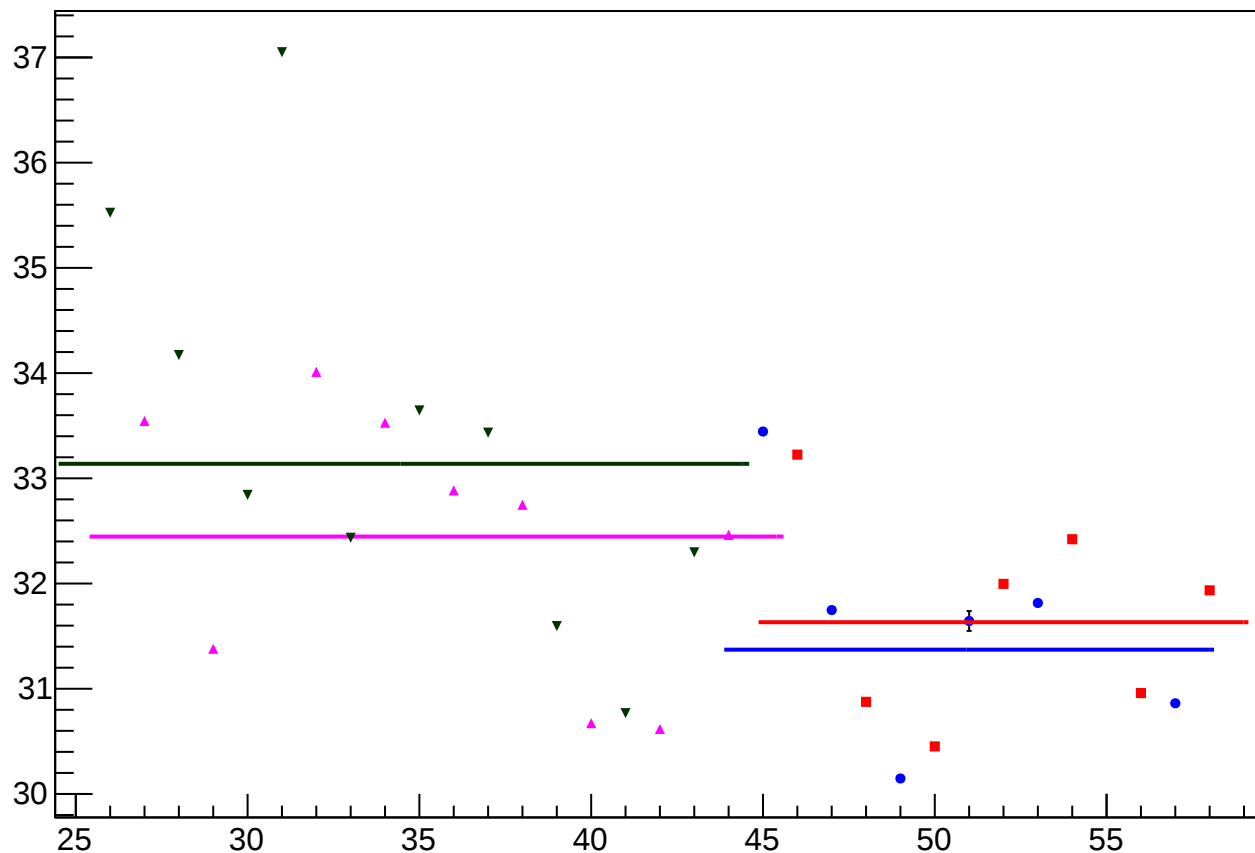
Right Out: -3.774 ± 16.960 χ^2/NDF : 9.9/6

Left In: 20.920 ± 13.661 χ^2/NDF : 8.3/8

13.184 ± 11.288 χ^2/NDF : 13.5/15

11.203 ± 10.639 χ^2/NDF : 19.5/15

asym_left_dd_rms vs slug



Right In: 31.372 $\pm$ 0.013 χ^2/NDF : 8424.2/5

Left Out: 33.138 $\pm$ 0.010 χ^2/NDF : 24511.4/9

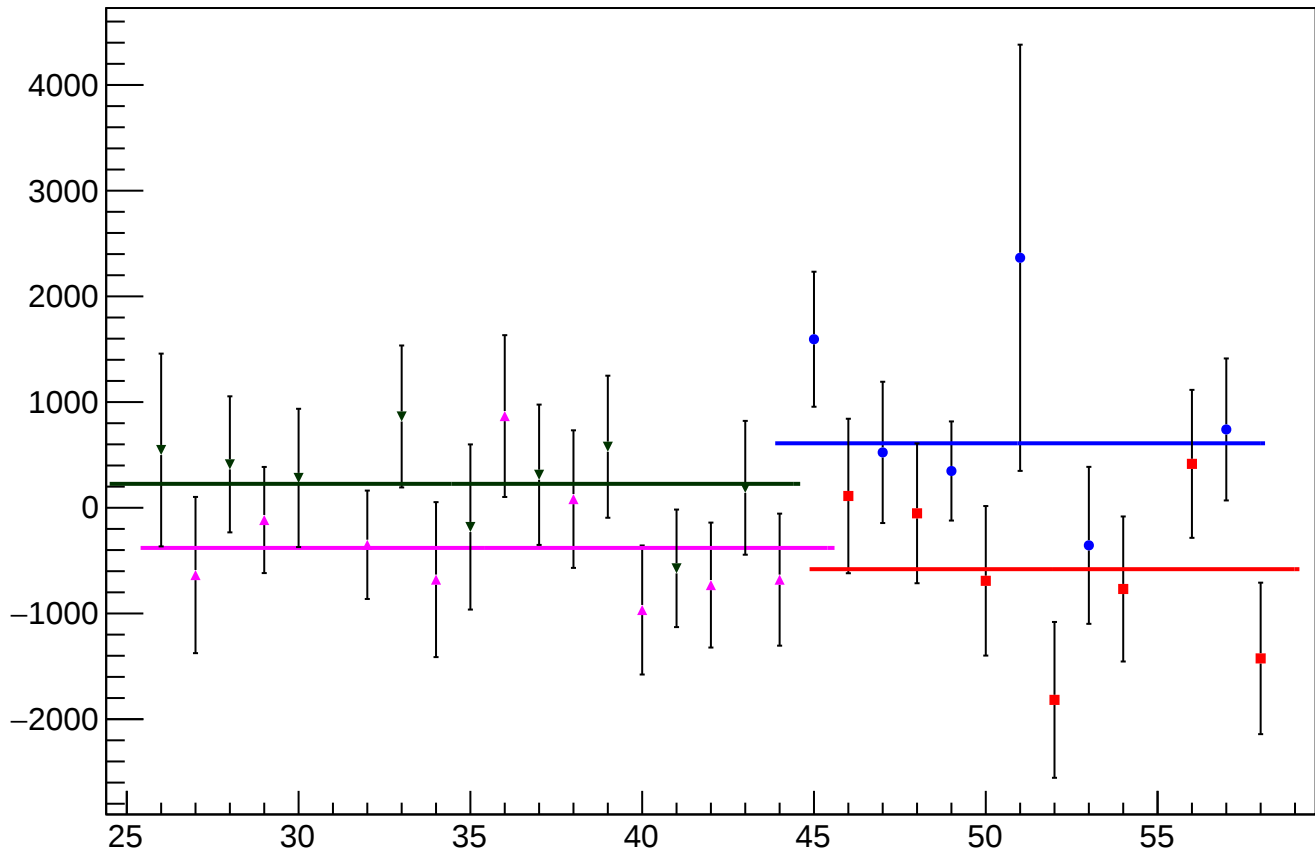
Right Out: 31.633 $\pm$ 0.012 χ^2/NDF : 5432.6/6

Left In: 32.446 $\pm$ 0.010 χ^2/NDF : 15954.4/8

32.438 $\pm$ 0.008 χ^2/NDF : 44649.1/15

32.126 $\pm$ 0.008 χ^2/NDF : 24180.9/15

asym_right_avg_mean vs slug



Right In: 610.085 ± 272.017 $\chi^2/\text{NDF}: 5.2/5$

Left Out: 226.455 ± 223.469 $\chi^2/\text{NDF}: 3.7/8$

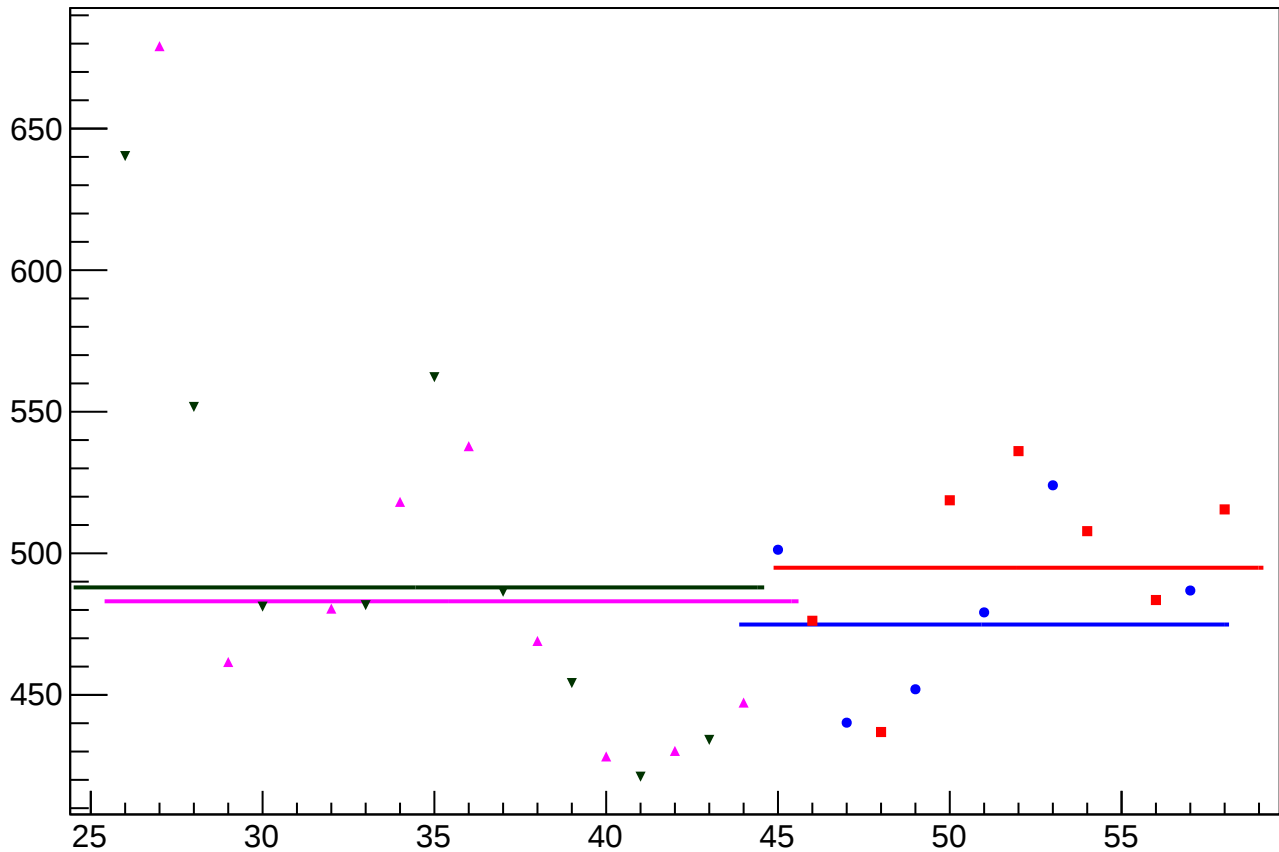
Right Out: -580.840 ± 266.219 $\chi^2/\text{NDF}: 7.9/6$

Left In: -379.789 ± 205.675 $\chi^2/\text{NDF}: 5.2/8$

381.039 ± 172.672 $\chi^2/\text{NDF}: 10.1/14$

-454.937 ± 162.759 $\chi^2/\text{NDF}: 13.5/15$

asym_right_avg_rms vs slug



Right In: 474.858 ± 0.192 χ^2/NDF : 22970.3/5

Left Out: 487.967 ± 0.158 χ^2/NDF : 142313.3/8

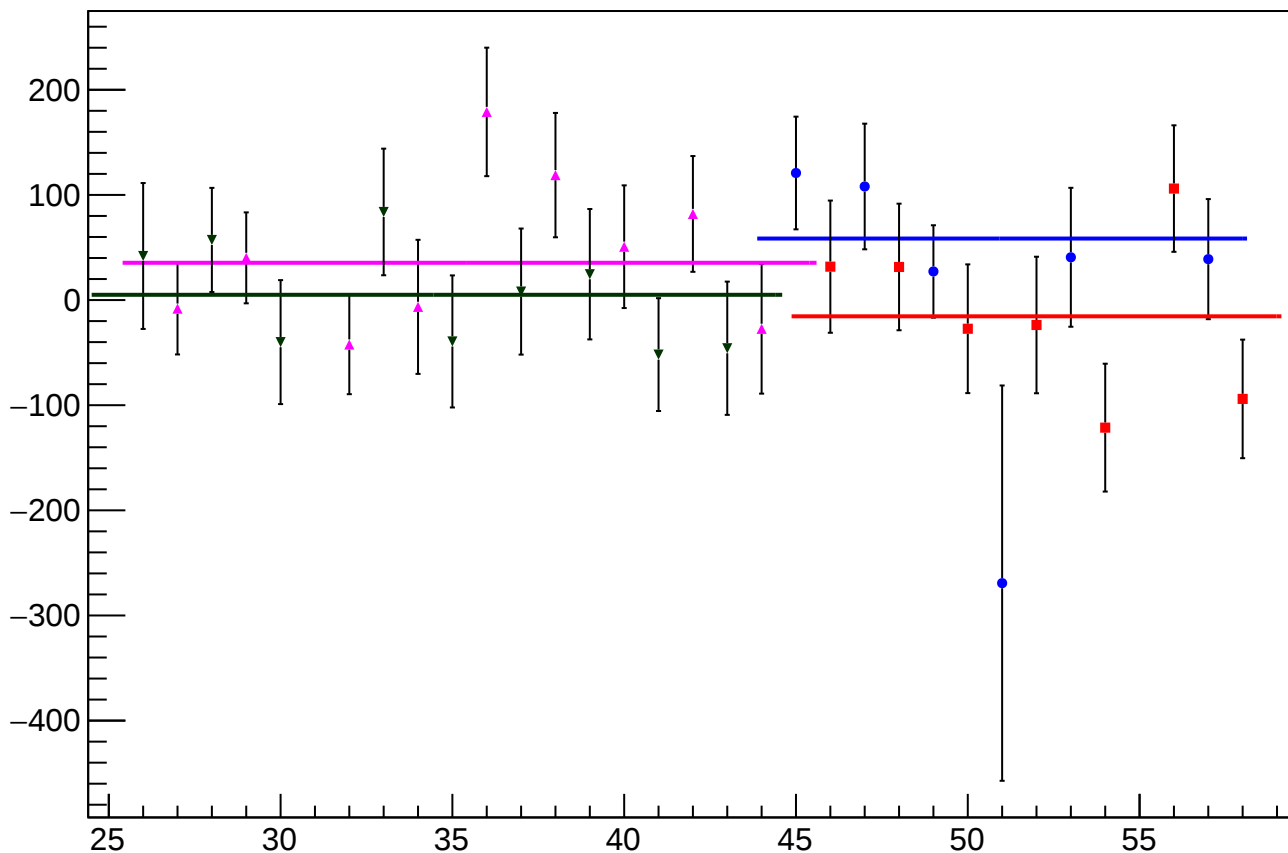
Right Out: 494.912 ± 0.188 χ^2/NDF : 28104.9/6

Left In: 483.059 ± 0.145 χ^2/NDF : 198865.1/8

482.685 ± 0.122 χ^2/NDF : 168056.9/14

487.489 ± 0.115 χ^2/NDF : 229453.0/15

asym_right_dd_mean vs slug



Right In: 58.512 $\pm$ 24.182 χ^2/NDF : 5.8/5

Left Out: 5.008 $\pm$ 19.738 χ^2/NDF : 6.1/8

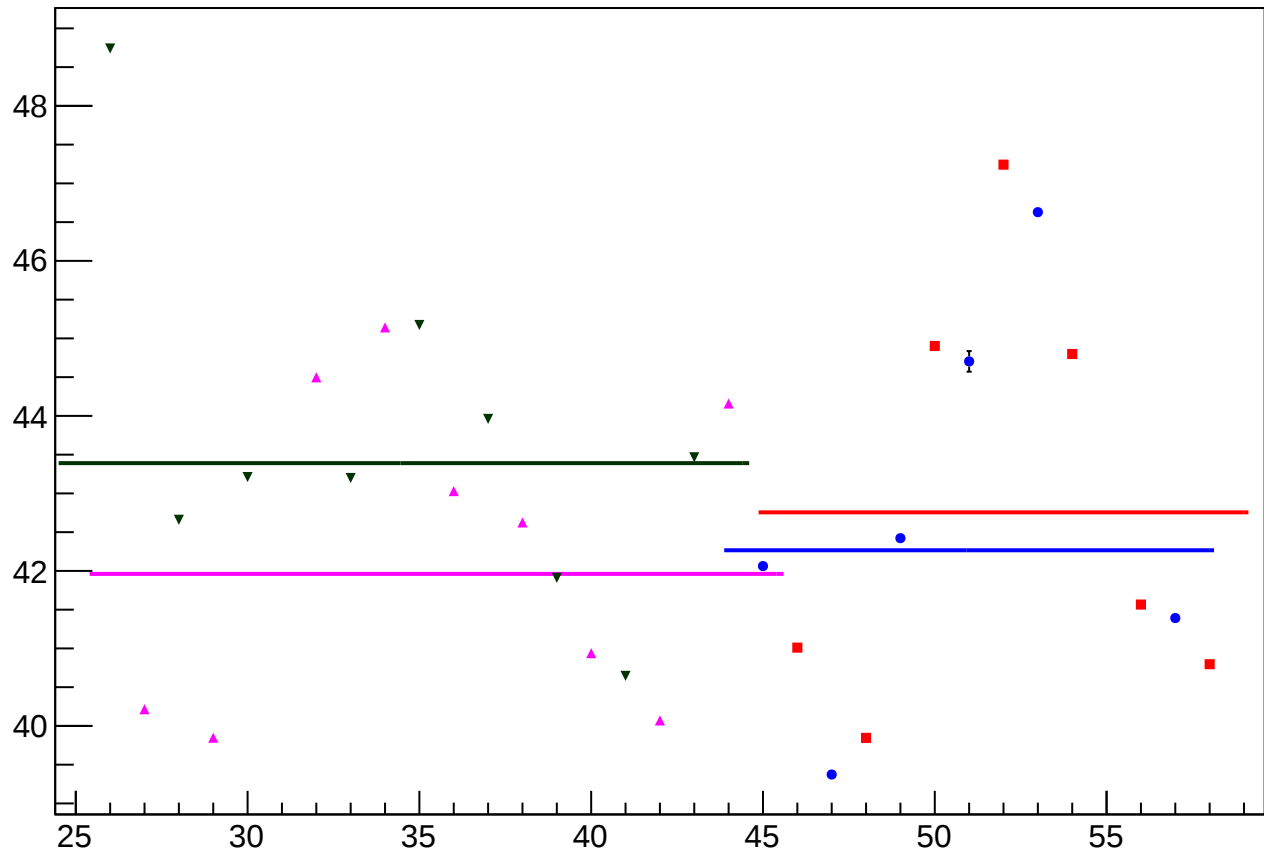
Right Out: -15.459 $\pm$ 22.977 χ^2/NDF : 10.3/6

Left In: 35.466 $\pm$ 17.692 χ^2/NDF : 13.5/8

26.401 $\pm$ 15.291 χ^2/NDF : 14.8/14

16.512 $\pm$ 14.018 χ^2/NDF : 26.8/15

asym_right_dd_rms vs slug



Right In: 42.266+/-0.017 χ^2/NDF : 14267.4/5

Left Out: 43.391+/-0.014 χ^2/NDF : 20529.6/8

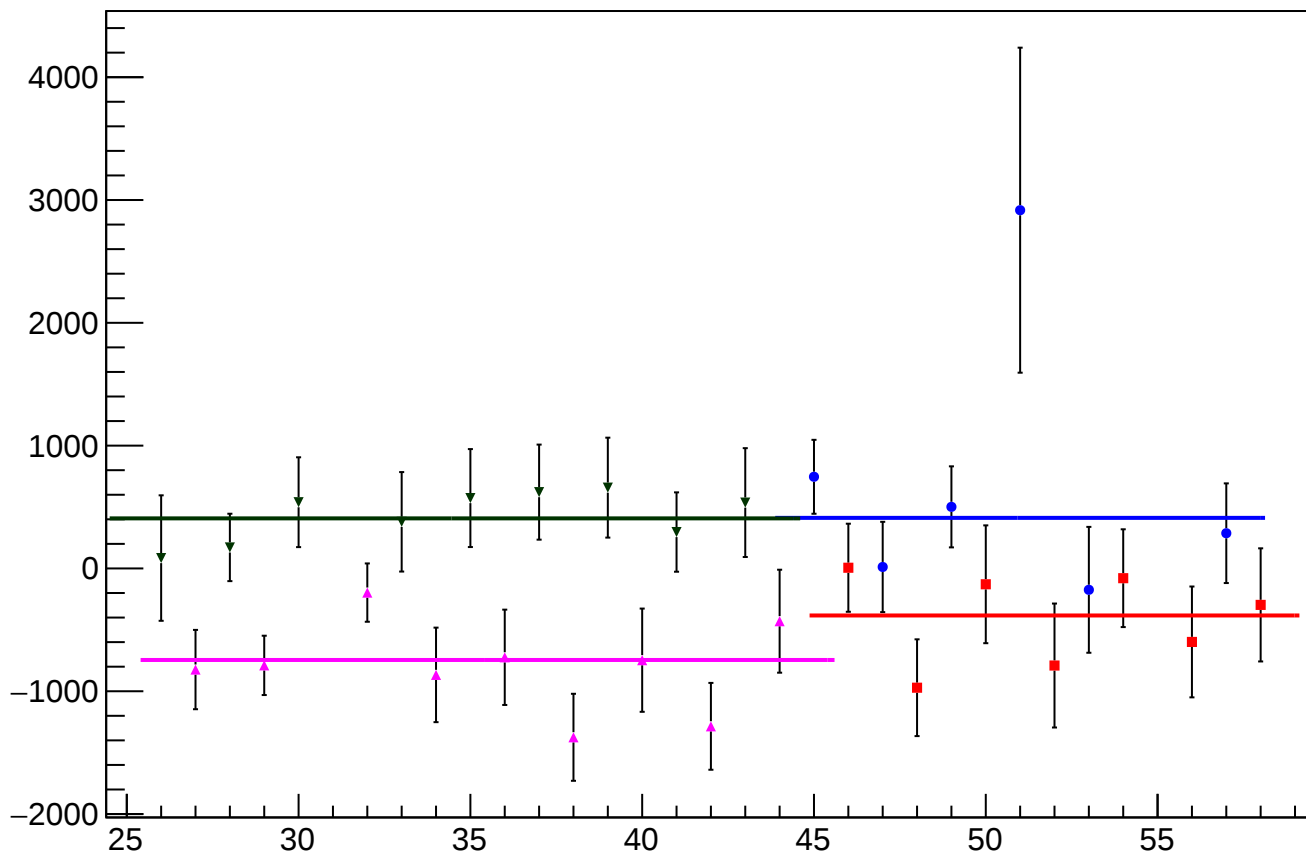
42.941+/-0.011 χ^2/NDF : 37391.9/14

Right Out: 42.755+/-0.016 χ^2/NDF : 23672.9/6

42.257+/-0.010 χ^2/NDF : 50271.7/15

Left In: 41.961+/-0.013 χ^2/NDF : 25099.5/8

asym_us_avg_mean vs slug



Right In: 411.811+/-162.064 χ^2/NDF : 7.5/5

Left Out: 407.654+/-124.646 χ^2/NDF :2.3/8

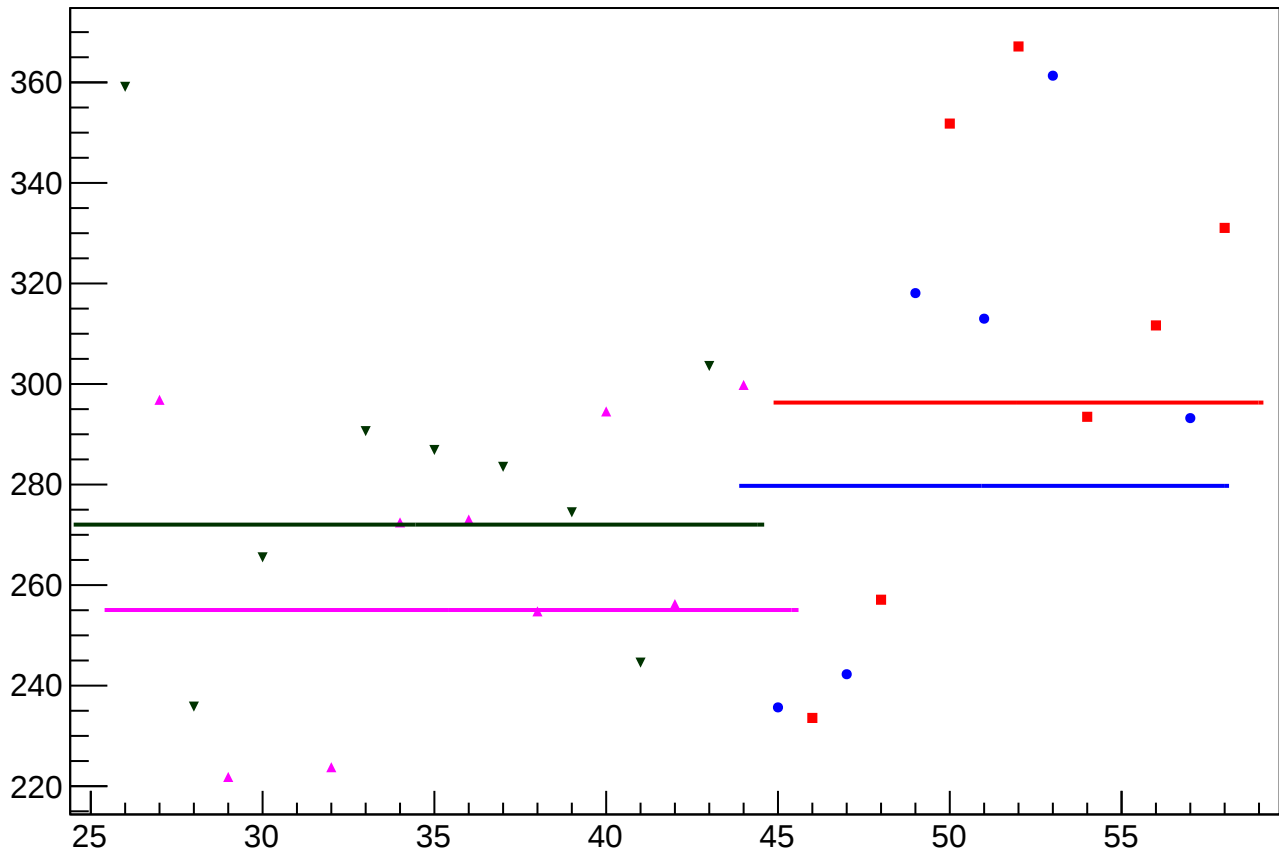
Right Out: -382.973+/-161.325 χ^2/NDF : 5.2/6

Left In: -745.341+/-108.352 χ^2/NDF :11.6/8

409.199+/-98.803 χ^2/NDF : 9.8/14

-632.693+/-89.947 χ^2/NDF : 20.3/15

asym_us_avg_rms vs slug



Right In: 279.740+/-0.115 χ^2/NDF : 144829.1/5

Left Out: 272.030+/-0.088 χ^2/NDF :126979.0/8

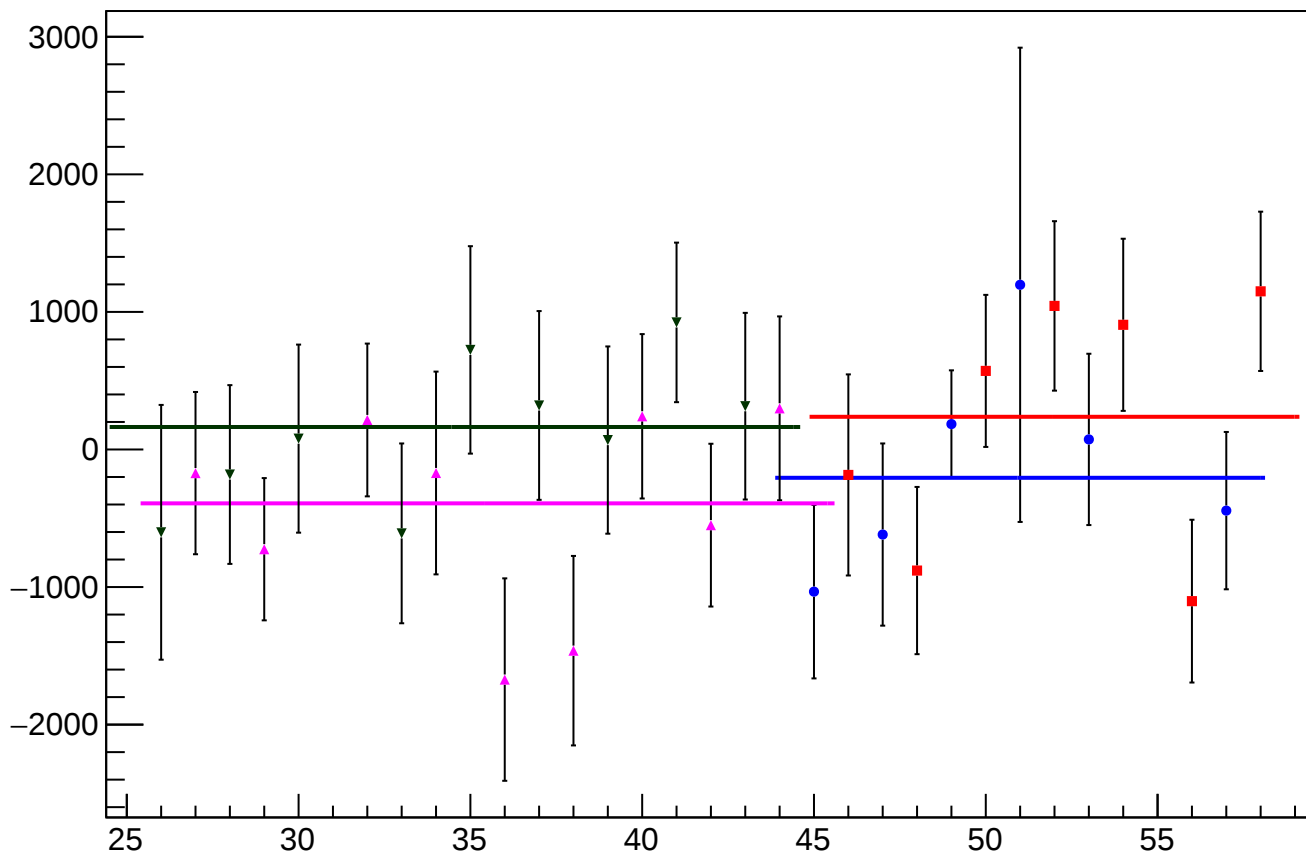
Right Out: 296.307+/-0.114 χ^2/NDF : 160997.4/6

Left In: 255.044+/-0.077 χ^2/NDF :154932.2/8

274.895+/-0.070 χ^2/NDF : 274652.1/14

267.872+/-0.064 χ^2/NDF : 406096.9/15

asym_us_dd_mean vs slug



Right In: -205.819+/-240.270 χ^2/NDF : 4.1/5

Left Out: 163.472+/-228.189 χ^2/NDF : 4.8/8

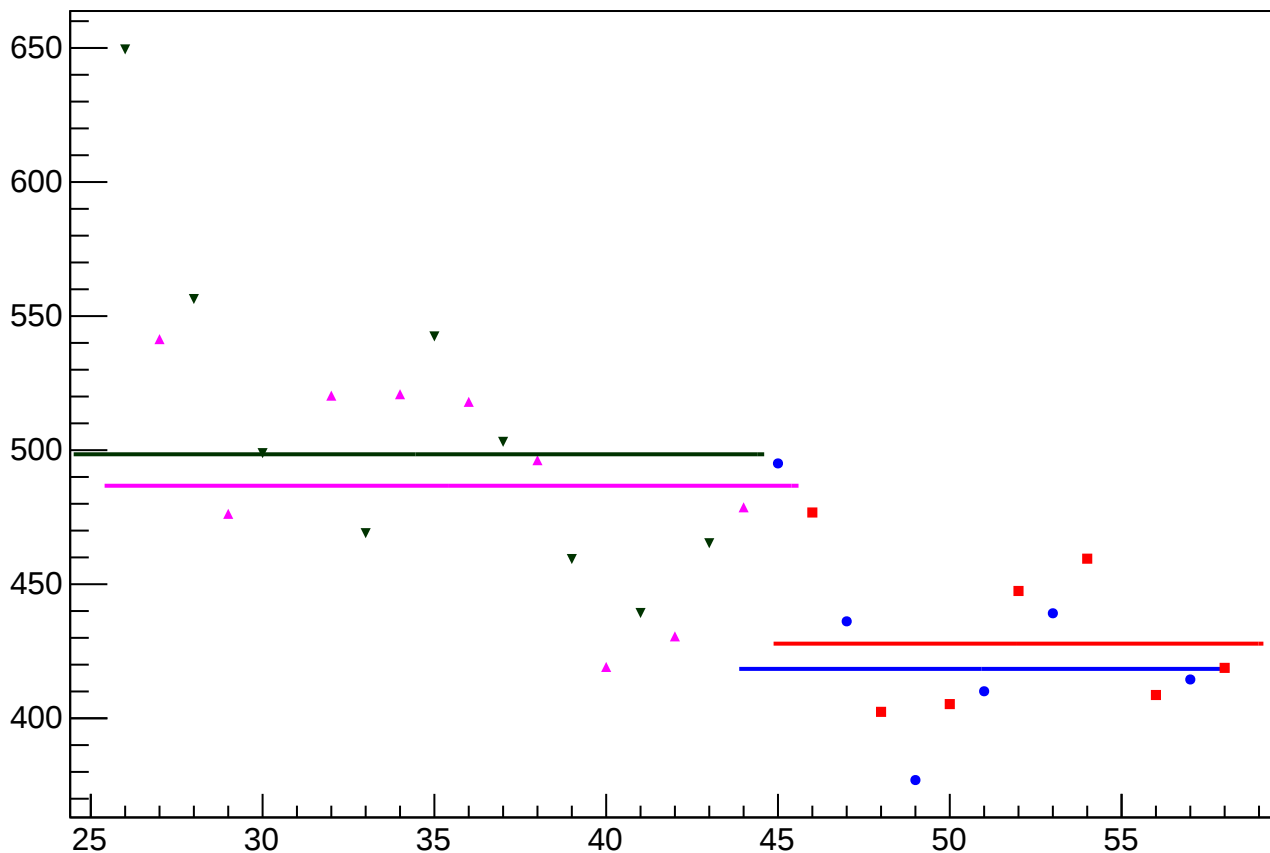
Right Out: 237.644+/-230.128 χ^2/NDF : 14.5/6

Left In: -391.603+/-206.064 χ^2/NDF : 9.5/8

-11.656+/-165.460 χ^2/NDF : 10.2/14

-111.589+/-153.514 χ^2/NDF : 28.2/15

asym_us_dd_rms vs slug



Right In: 418.421+/-0.170 χ^2/NDF : 55860.8/5

Left Out: 498.461+/-0.161 χ^2/NDF : 112214.2/8

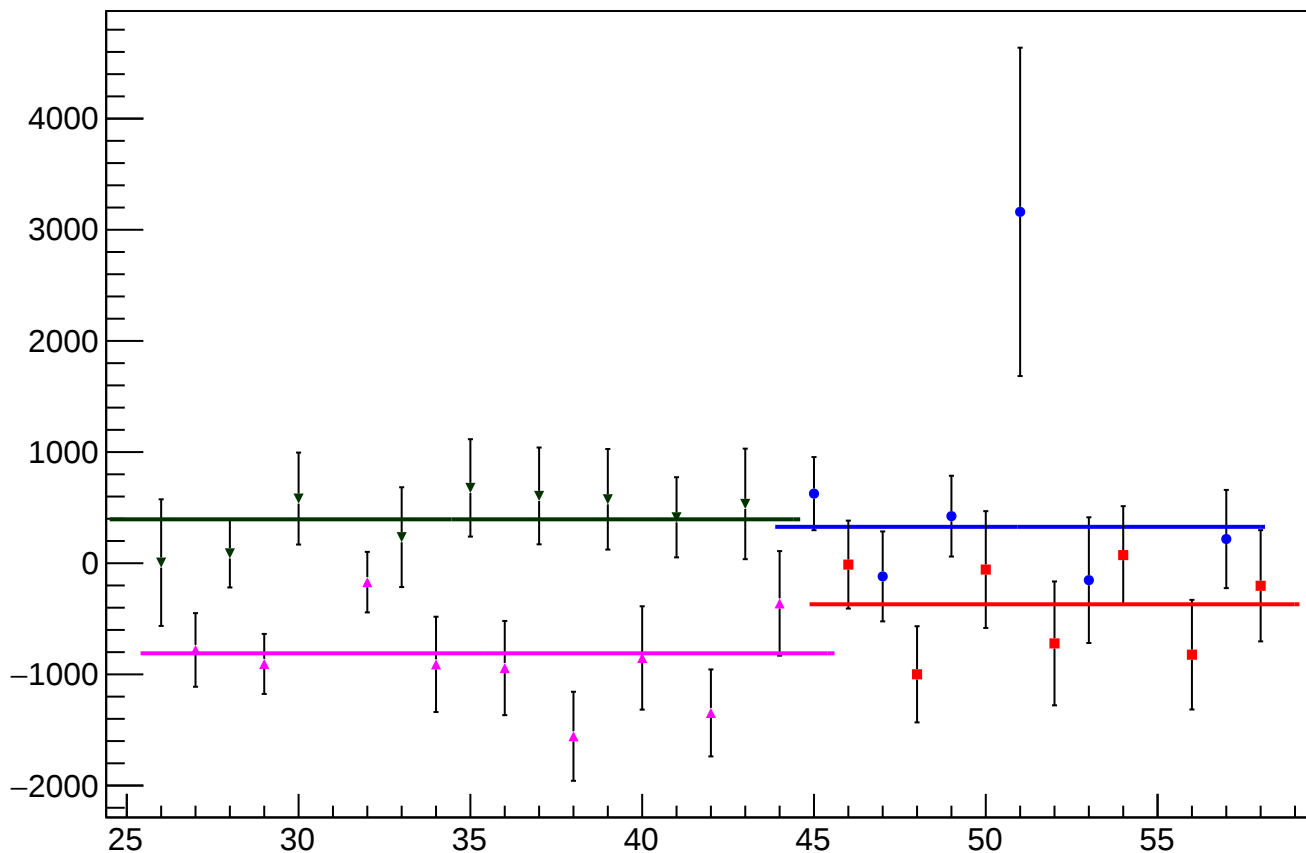
Right Out: 427.835+/-0.163 χ^2/NDF : 25534.8/6

Left In: 486.730+/-0.146 χ^2/NDF : 77533.3/8

460.504+/-0.117 χ^2/NDF : 284766.7/14

460.522+/-0.109 χ^2/NDF : 175768.9/15

asym_ds_avg_mean vs slug



Right In: 327.465+/-177.811 χ^2/NDF : 6.6/5

Left Out: 395.054+/-139.188 χ^2/NDF : 2.7/8

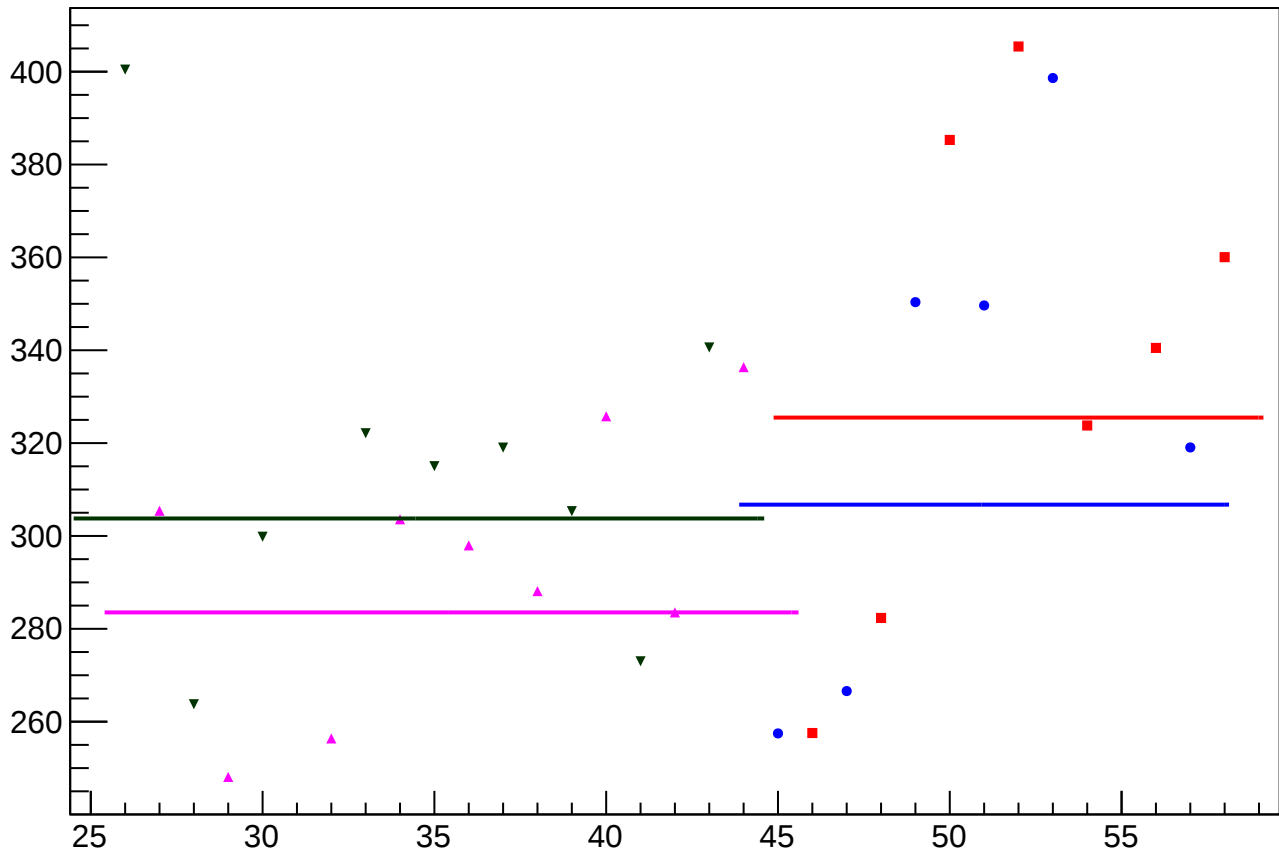
Right Out: -369.325+/-177.211 χ^2/NDF : 5.7/6

Left In: -810.313+/-120.172 χ^2/NDF : 12.1/8

369.374+/-109.602 χ^2/NDF : 9.3/14

-671.400+/-99.460 χ^2/NDF : 22.0/15

asym_ds_avg_rms vs slug



Right In: 306.745+/-0.126 χ^2/NDF : 149423.9/5

Left Out: 303.766+/-0.098 χ^2/NDF :124512.2/8

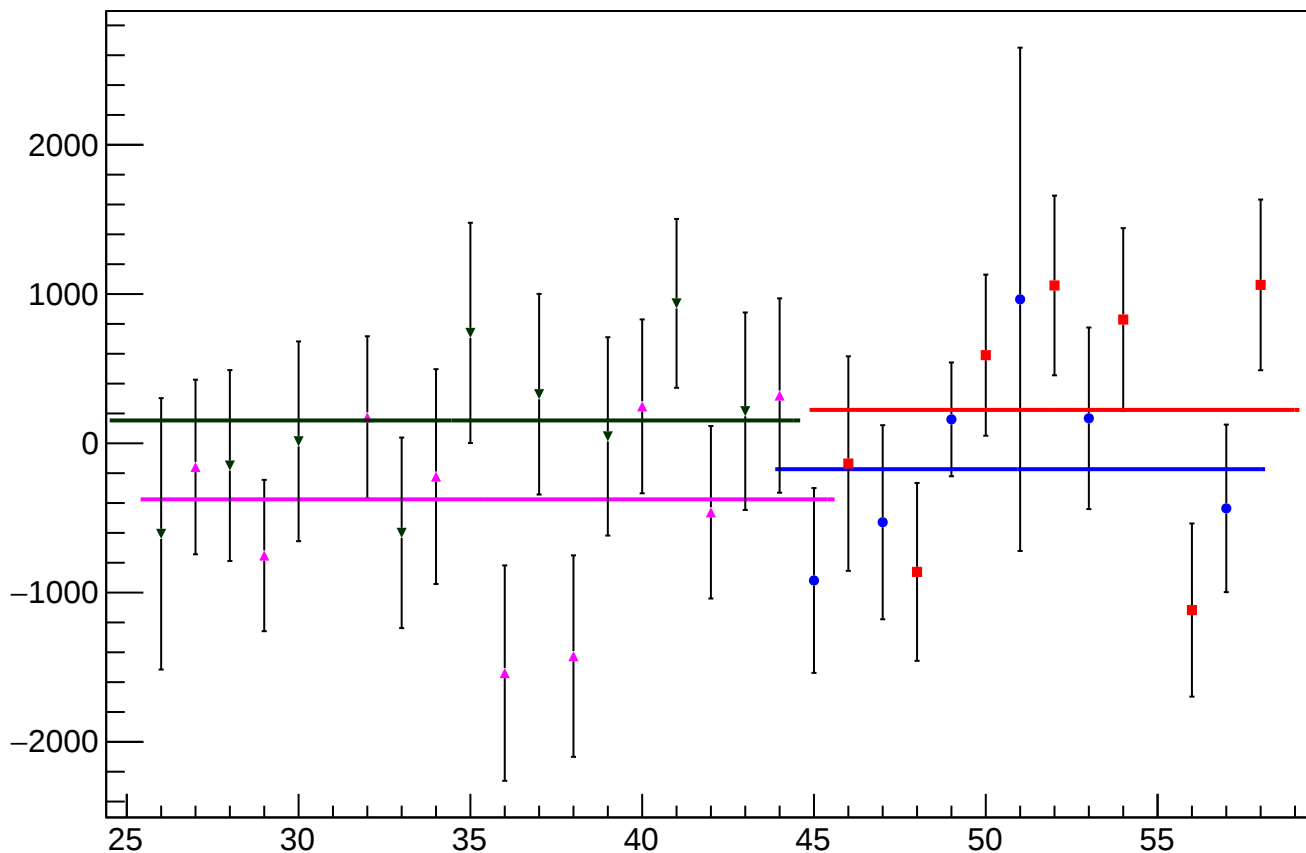
Right Out: 325.497+/-0.125 χ^2/NDF : 157372.6/6

Left In: 283.532+/-0.085 χ^2/NDF :111777.4/8

304.898+/-0.078 χ^2/NDF : 274284.3/14

296.751+/-0.070 χ^2/NDF : 345975.3/15

asym_ds_dd_mean vs slug



Right In: -173.285 ± 235.126 $\chi^2/\text{NDF}: 3.5/5$

Left Out: 153.259 ± 223.218 $\chi^2/\text{NDF}: 5.0/8$

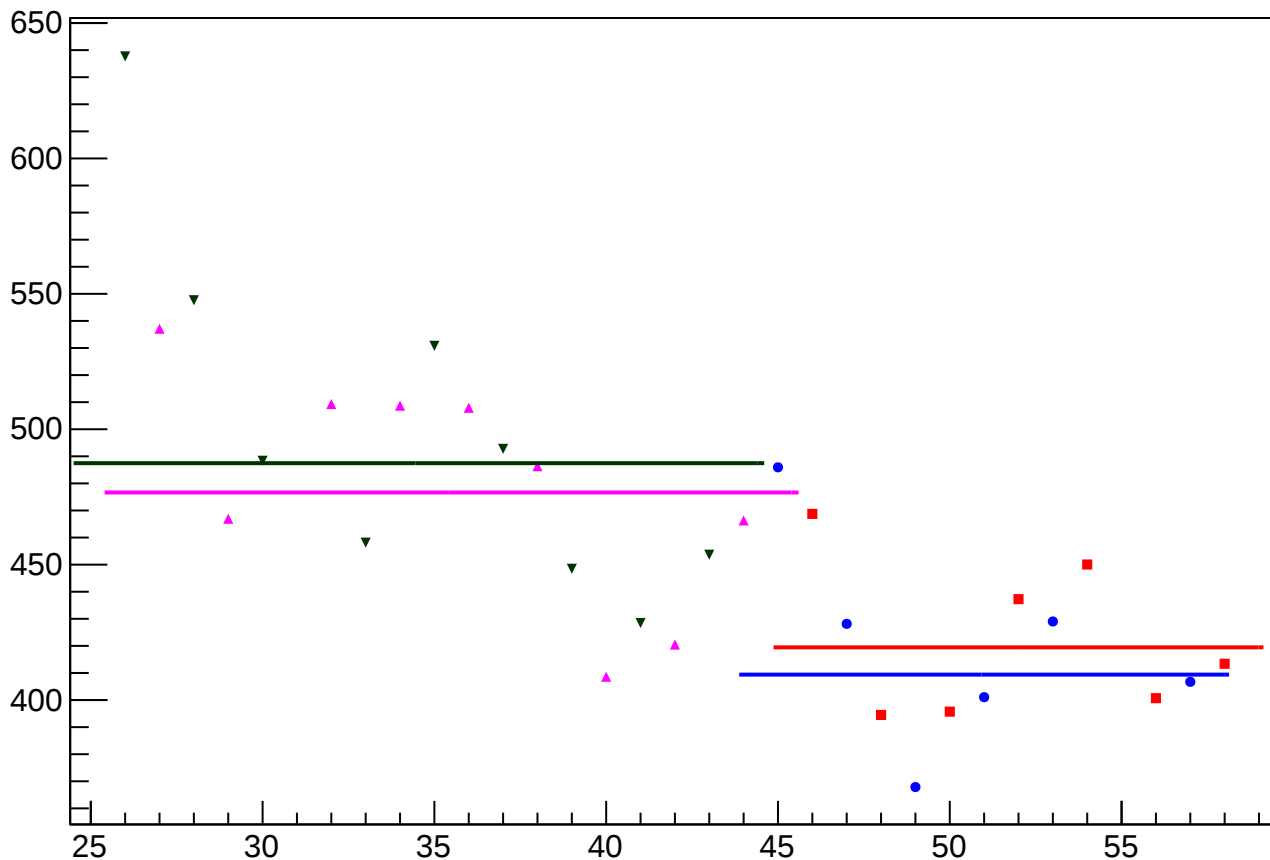
Right Out: 223.891 ± 225.617 $\chi^2/\text{NDF}: 14.4/6$

Left In: -375.323 ± 201.839 $\chi^2/\text{NDF}: 9.1/8$

-1.535 ± 161.885 $\chi^2/\text{NDF}: 9.5/14$

-108.946 ± 150.428 $\chi^2/\text{NDF}: 27.4/15$

asym_ds_dd_rms vs slug



Right In: 409.388 ± 0.166 χ^2/NDF : 58157.6/5

Left Out: 487.474 ± 0.158 χ^2/NDF : 117424.5/8

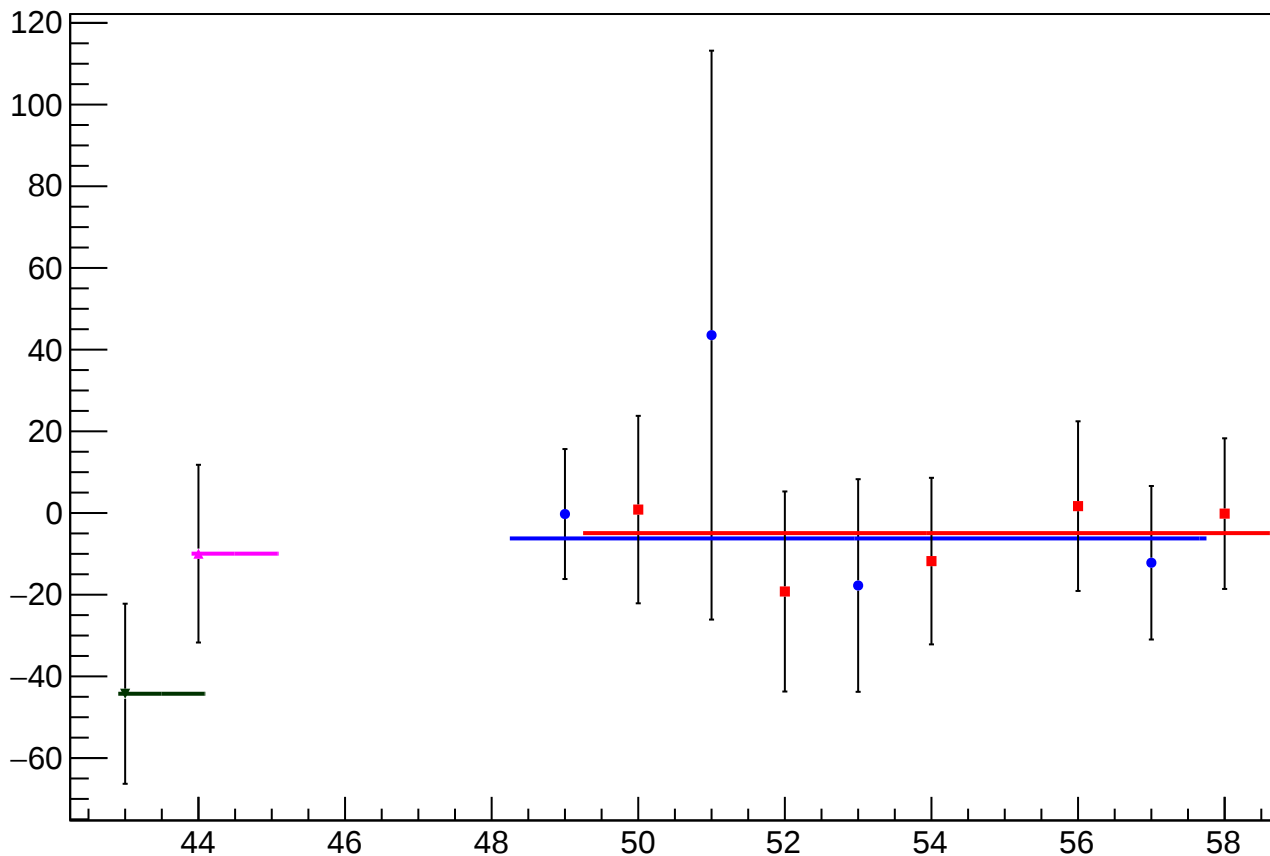
Right Out: 419.456 ± 0.160 χ^2/NDF : 25842.3/6

Left In: 476.643 ± 0.143 χ^2/NDF : 84134.8/8

450.458 ± 0.114 χ^2/NDF : 291598.9/14

451.221 ± 0.106 χ^2/NDF : 181350.2/15

bcm_an_us_ds_dd_mean vs slug



Right In: -6.225+/-10.871 χ^2/NDF : 0.9/3

Left Out: -44.252+/-22.047 χ^2/NDF : 0.0/0

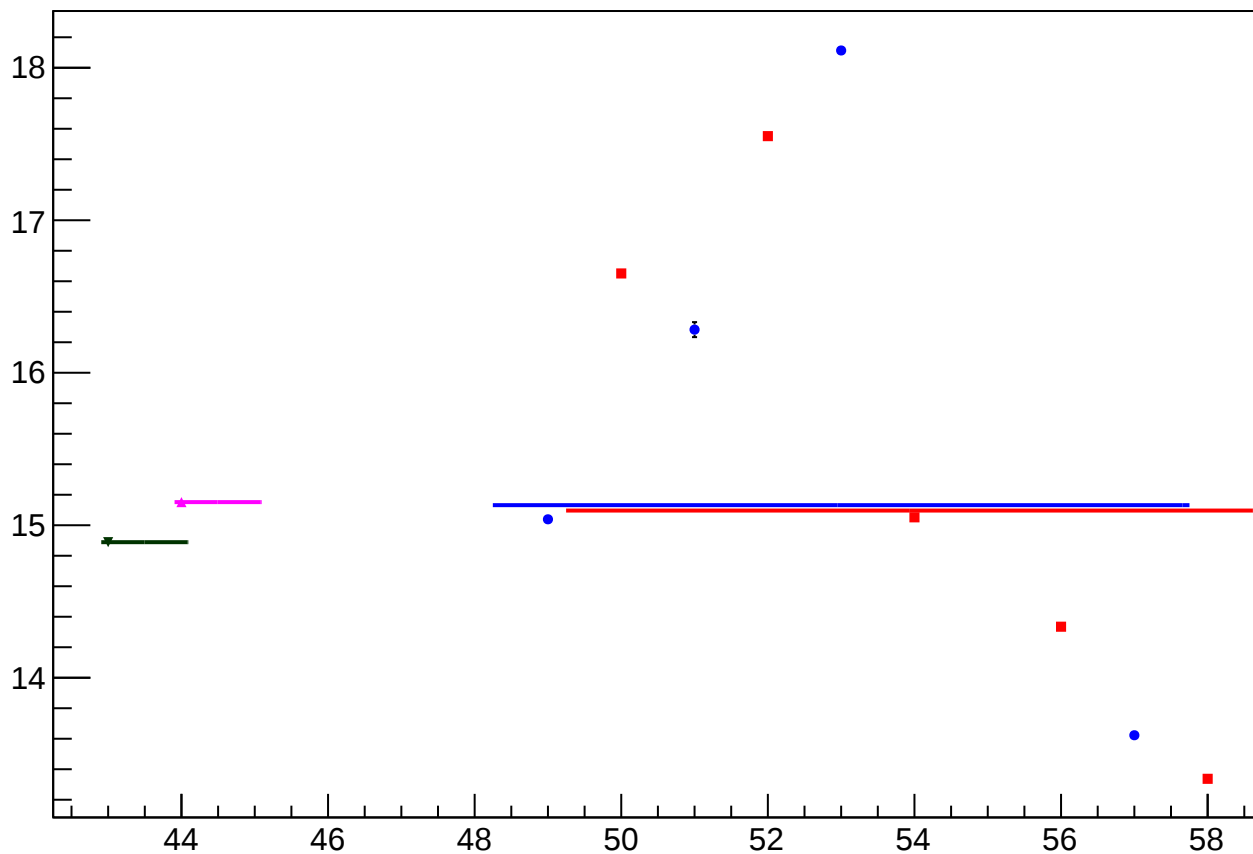
Right Out: -4.923+/-9.437 χ^2/NDF : 0.7/4

Left In: -9.952+/-21.757 χ^2/NDF : 0.0/0

-13.662+/-9.750 χ^2/NDF : 3.3/4

-5.720+/-8.658 χ^2/NDF : 0.7/5

bcm_an_us_ds_dd_rms vs slug



Right In: 15.132 $\pm$ 0.008 χ^2 /NDF: 39743.2/3

Left Out: 14.889 $\pm$ 0.016 χ^2 /NDF: 0.0/0

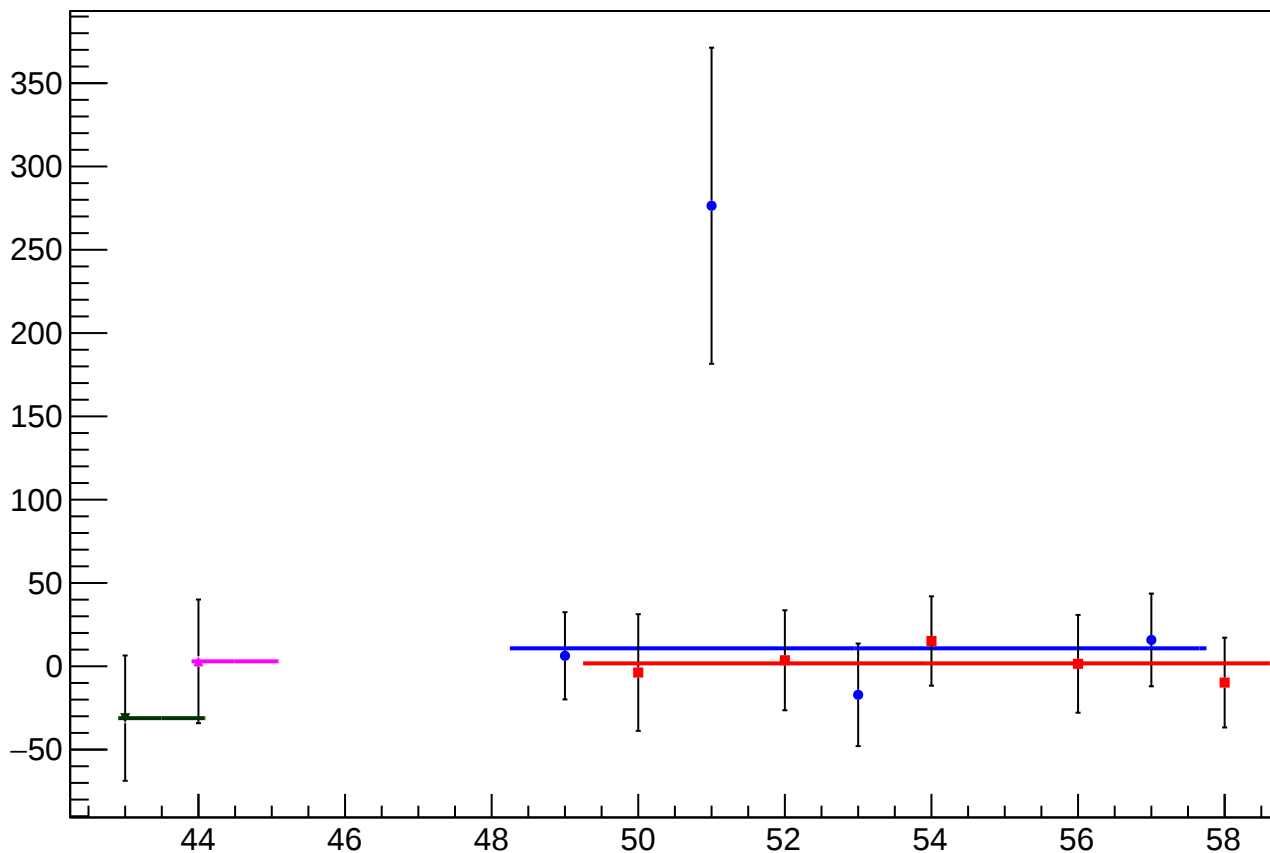
Right Out: 15.096 $\pm$ 0.007 χ^2 /NDF: 50173.0/4

Left In: 15.152 $\pm$ 0.015 χ^2 /NDF: 0.0/0

15.084 $\pm$ 0.007 χ^2 /NDF: 39938.3/4

15.105 $\pm$ 0.006 χ^2 /NDF: 50183.9/5

bcm_dg_us_ds_dd_mean vs slug



Right In: 10.784 $\pm$ 15.978 χ^2 /NDF: 8.7/3

Left Out: -31.130 $\pm$ 37.603 χ^2 /NDF: 0.0/0

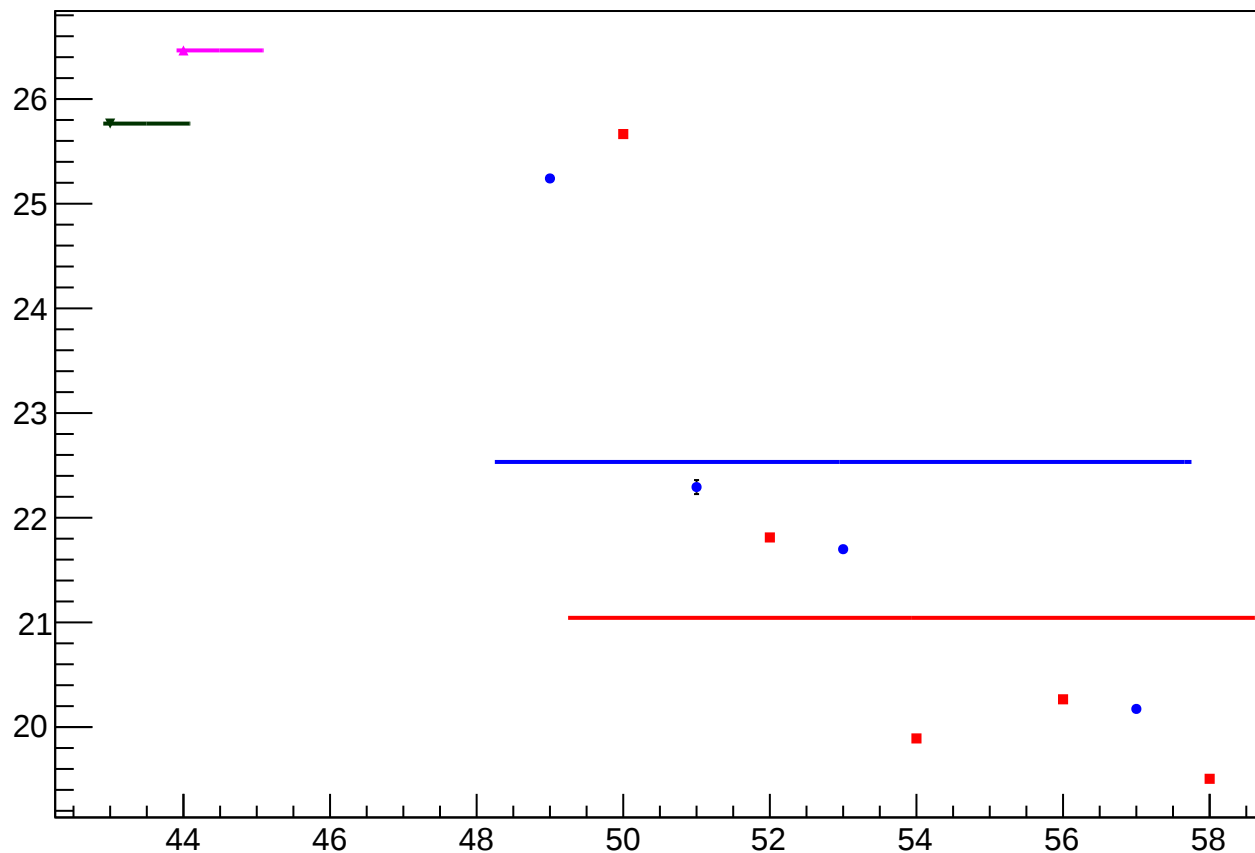
Right Out: 1.760 $\pm$ 13.069 χ^2 /NDF: 0.5/4

Left In: 2.964 $\pm$ 37.111 χ^2 /NDF: 0.0/0

4.373 $\pm$ 14.705 χ^2 /NDF: 9.8/4

1.893 $\pm$ 12.327 χ^2 /NDF: 0.5/5

bcm_dg_us_ds_dd_rms vs slug



Right In: 22.533 ± 0.011 $\chi^2/\text{NDF}: 37266.1/3$

Left Out: 25.766 ± 0.027 $\chi^2/\text{NDF}: 0.0/0$

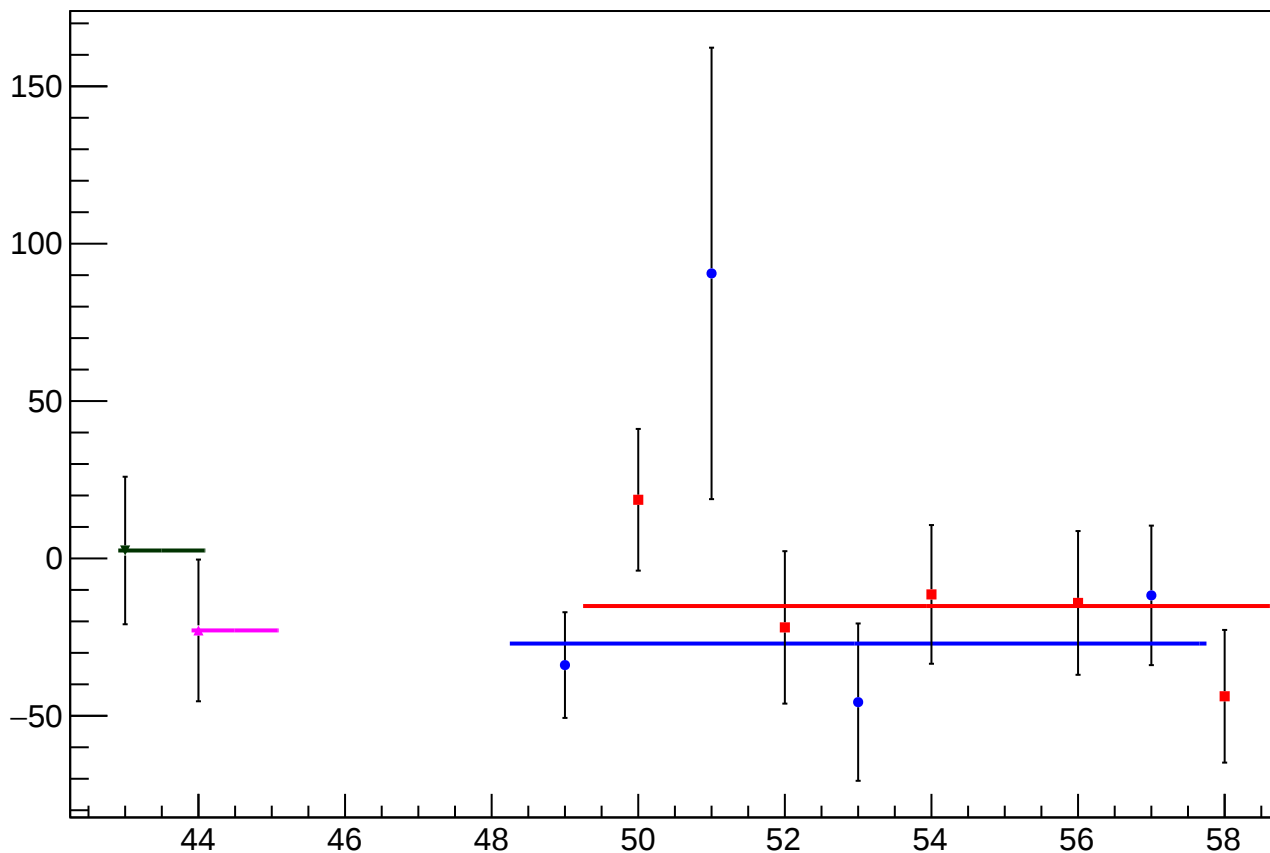
Right Out: 21.044 ± 0.009 $\chi^2/\text{NDF}: 47776.9/4$

Left In: 26.465 ± 0.026 $\chi^2/\text{NDF}: 0.0/0$

23.027 ± 0.010 $\chi^2/\text{NDF}: 49786.1/4$

21.642 ± 0.009 $\chi^2/\text{NDF}: 85742.1/5$

bcm_dg_ds_ds_dd_mean vs slug



Right In: -27.045 $\pm$ 11.641 χ^2 /NDF: 3.9/3

Left Out: 2.521 $\pm$ 23.436 χ^2 /NDF:0.0/0

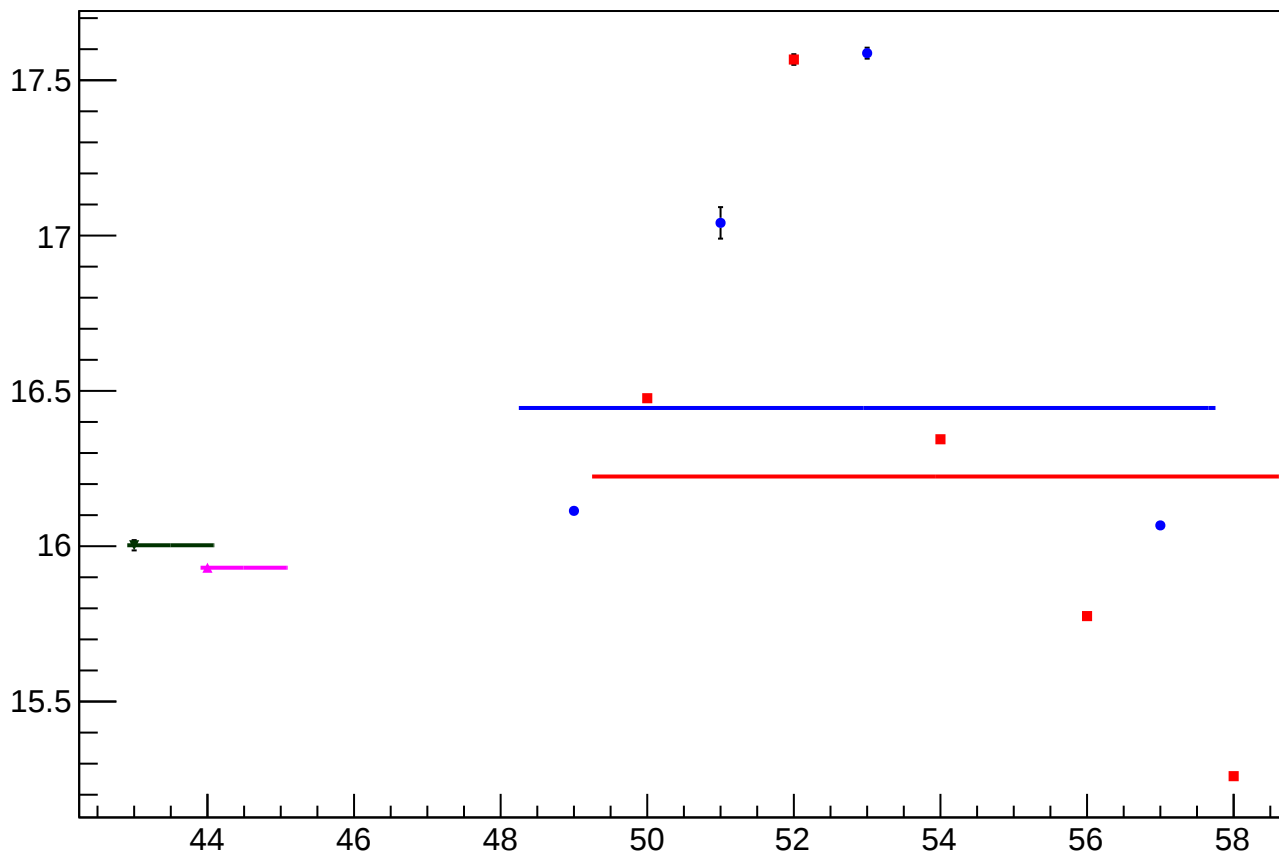
Right Out: -15.122 $\pm$ 10.047 χ^2 /NDF: 4.2/4

Left In: -22.872 $\pm$ 22.514 χ^2 /NDF:0.0/0

-21.194 $\pm$ 10.426 χ^2 /NDF: 5.2/4

-16.409 $\pm$ 9.175 χ^2 /NDF: 4.3/5

bcm_dg_ds_ds_dd_rms vs slug



Right In: 16.445 $\pm$ 0.008 χ^2 /NDF: 5675.6/3

Left Out: 16.003 $\pm$ 0.017 χ^2 /NDF: 0.0/0

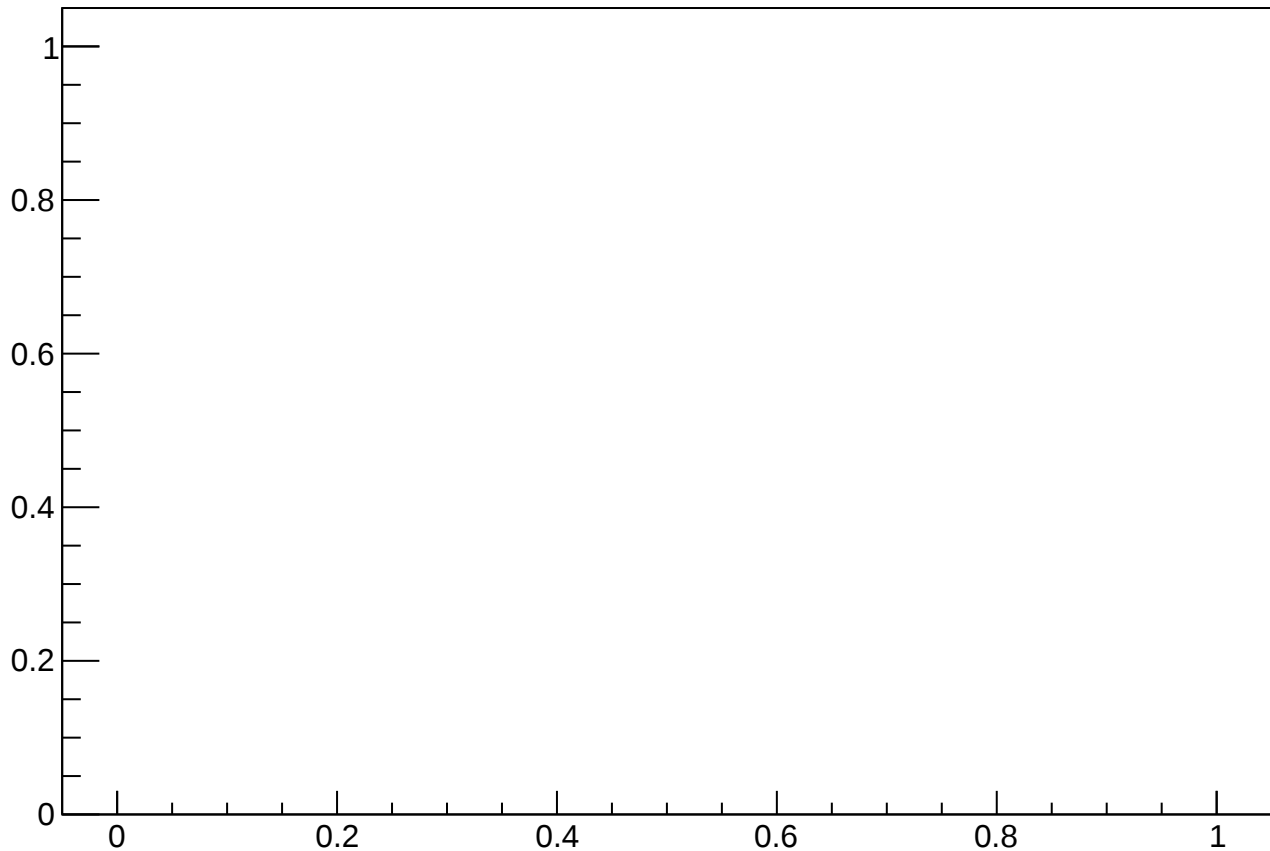
Right Out: 16.224 $\pm$ 0.007 χ^2 /NDF: 11418.9/4

Left In: 15.931 $\pm$ 0.016 χ^2 /NDF: 0.0/0

16.358 $\pm$ 0.007 χ^2 /NDF: 6246.1/4

16.176 $\pm$ 0.006 χ^2 /NDF: 11702.6/5

bcm_dg_ds_ds3_dd_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

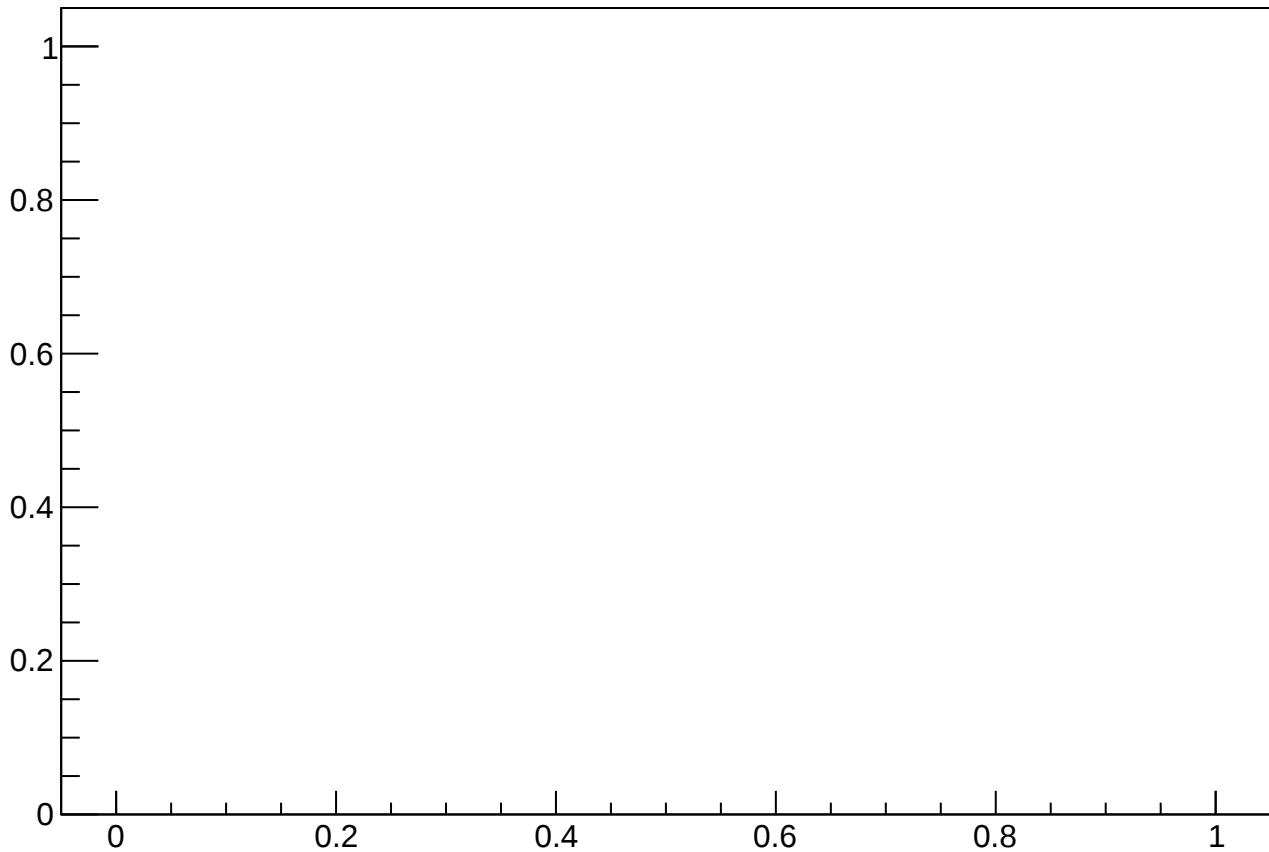
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_ds_ds3_dd_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

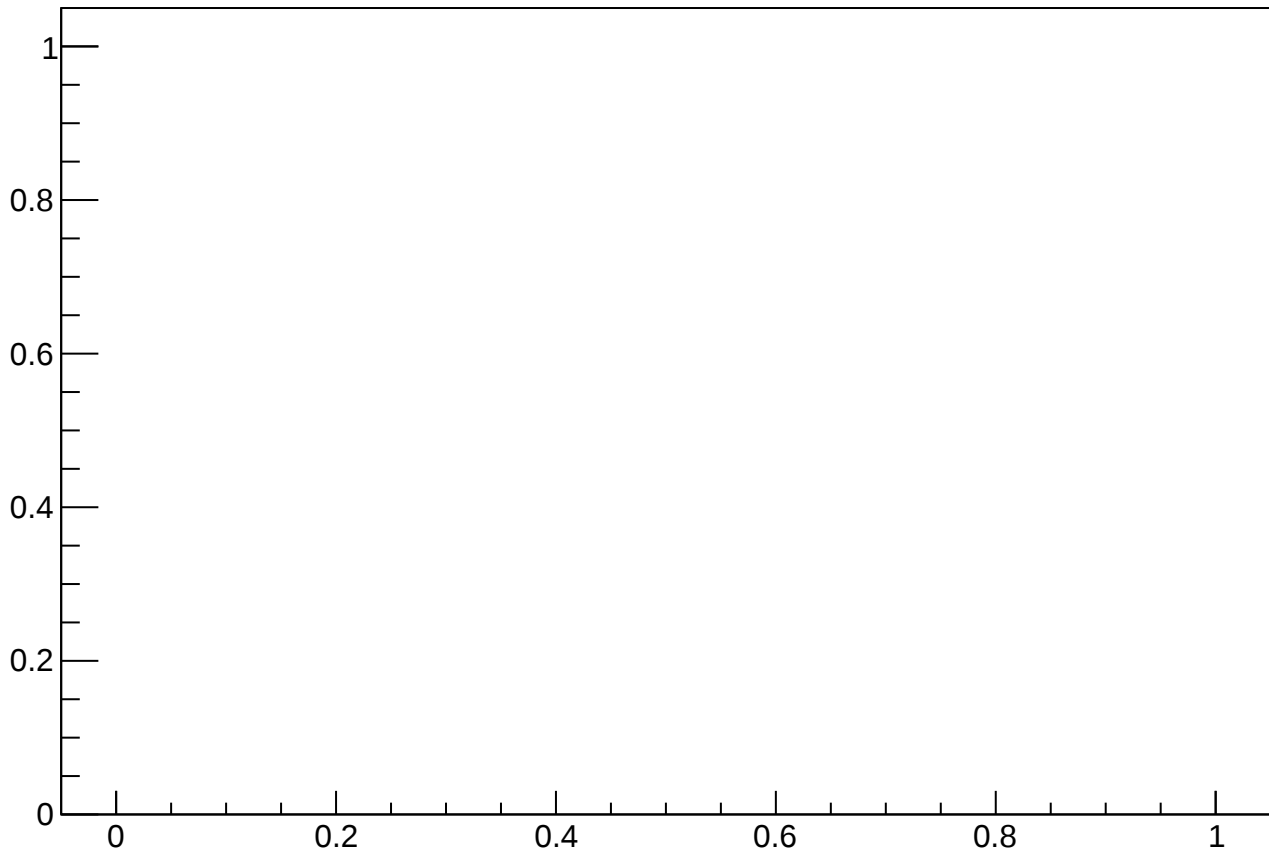
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_cav4cQ_ds_dd_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

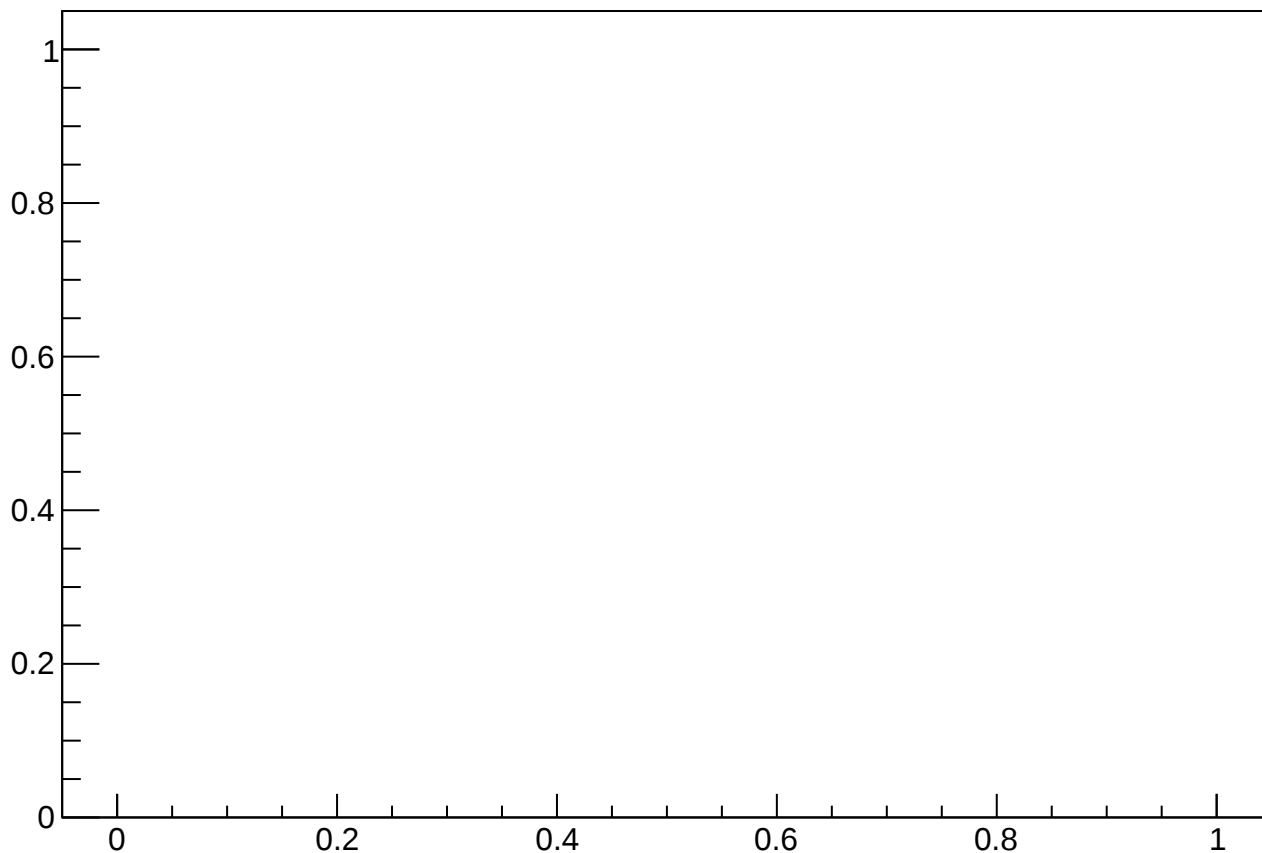
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_cav4cQ_ds_dd_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

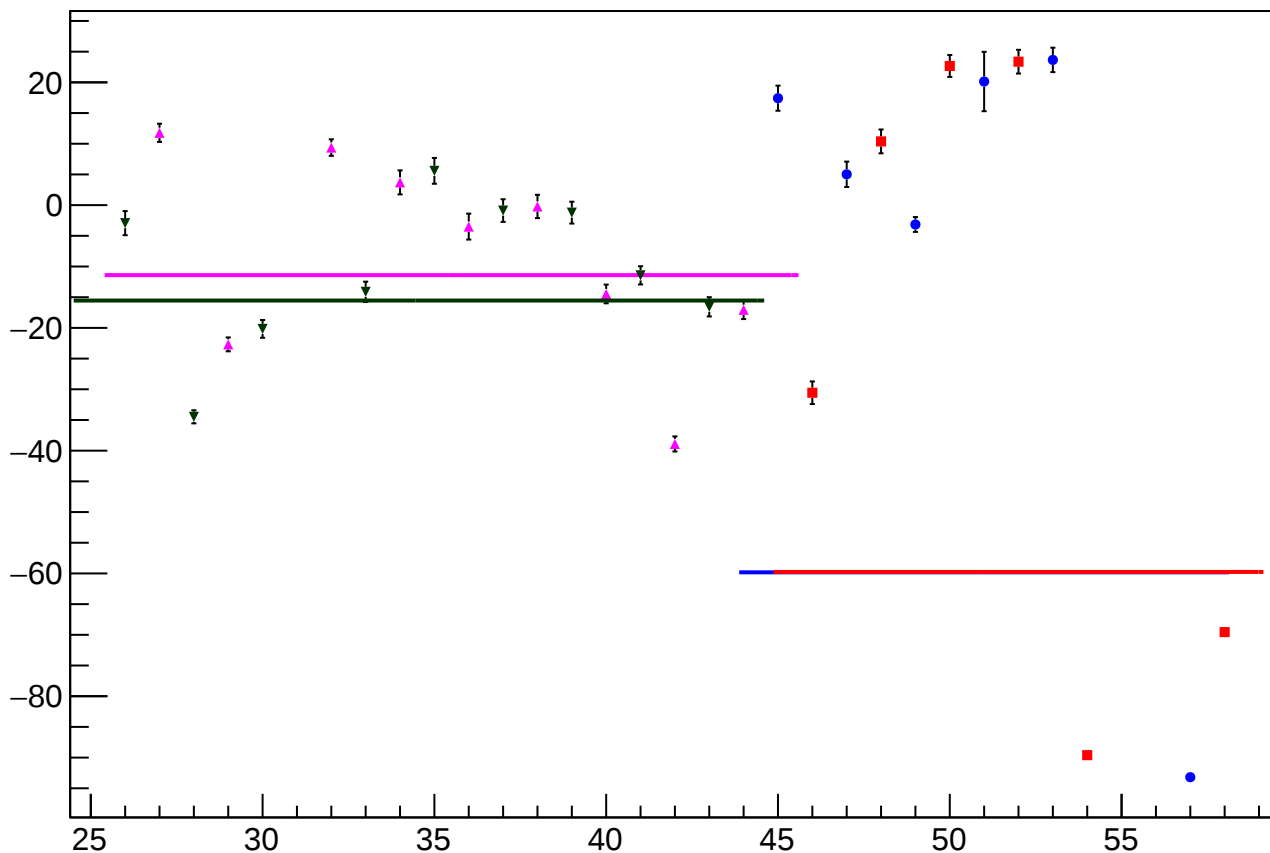
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam1_diff_bpm4aX_slope vs slug



Right In: -59.819+/-0.479 χ^2/NDF : 9867.0/5

Left Out: -15.543+/-0.522 χ^2/NDF : 604.1/8

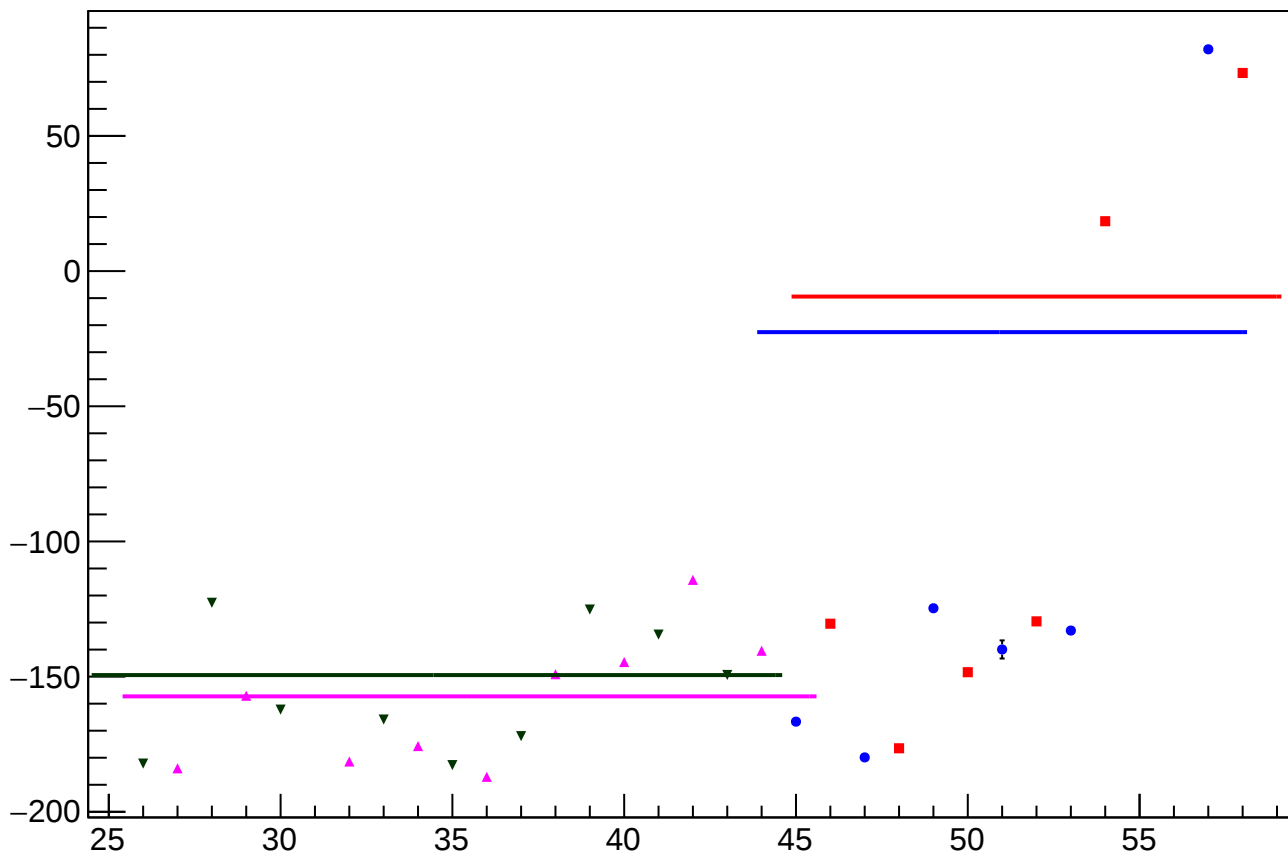
Right Out: -59.754+/-0.423 χ^2/NDF : 7203.1/5

Left In: -11.401+/-0.495 χ^2/NDF : 1211.6/8

-39.555+/-0.353 χ^2/NDF : 14376.6/14

-39.347+/-0.322 χ^2/NDF : 13931.5/14

reg_asym_sam1_diff_bpm4aY_slope vs slug



Right In: -22.576 ± 0.443 χ^2/NDF : 65791.3/5

Left Out: -149.424 ± 0.396 χ^2/NDF : 3200.7/8

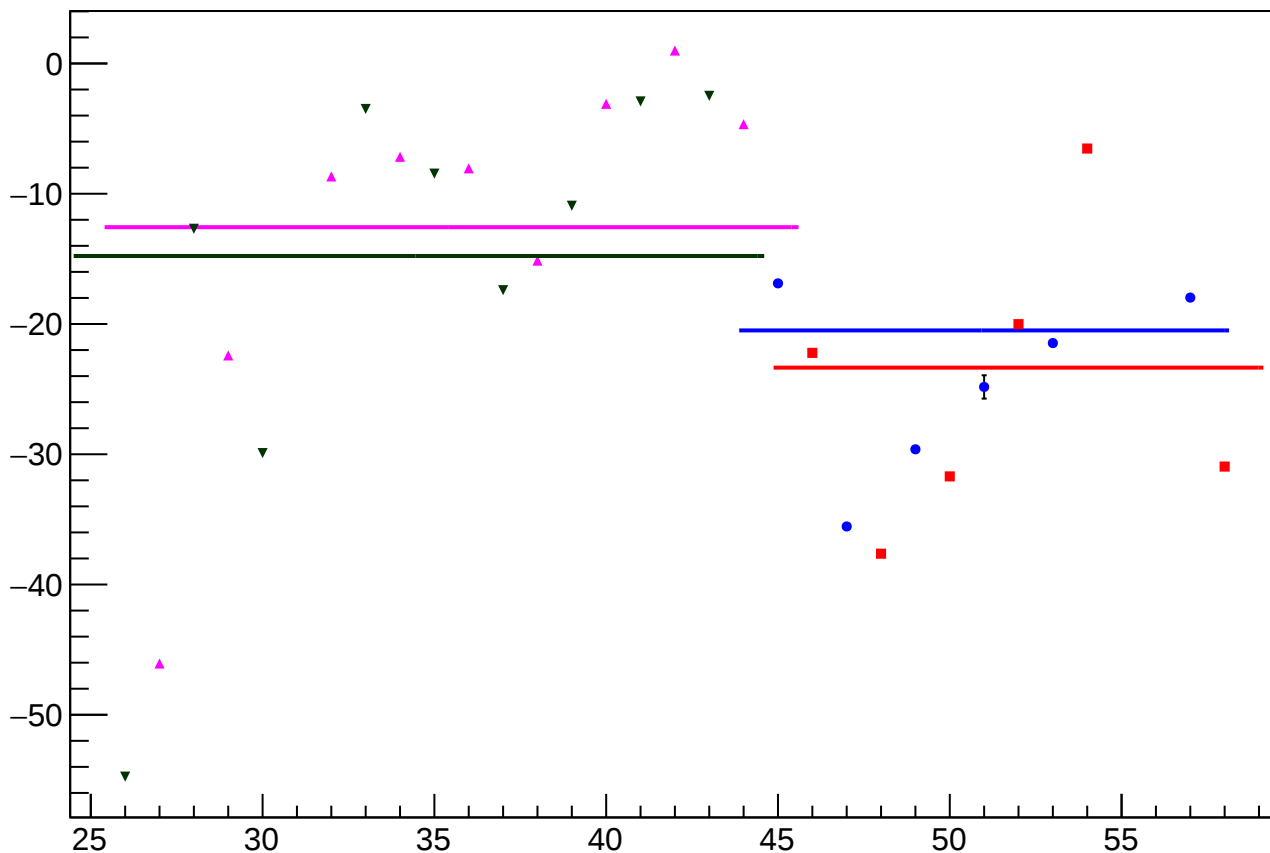
Right Out: -9.416 ± 0.403 χ^2/NDF : 53949.9/5

Left In: -157.298 ± 0.365 χ^2/NDF : 4330.4/8

-93.131 ± 0.295 χ^2/NDF : 114546.1/14

-90.567 ± 0.271 χ^2/NDF : 132180.1/14

reg_asym_sam1_diff_bpm4eX_slope vs slug



Right In: -20.493 ± 0.083 $\chi^2/\text{NDF}: 4082.3/5$

Left Out: -14.780 ± 0.088 $\chi^2/\text{NDF}: 26305.9/8$

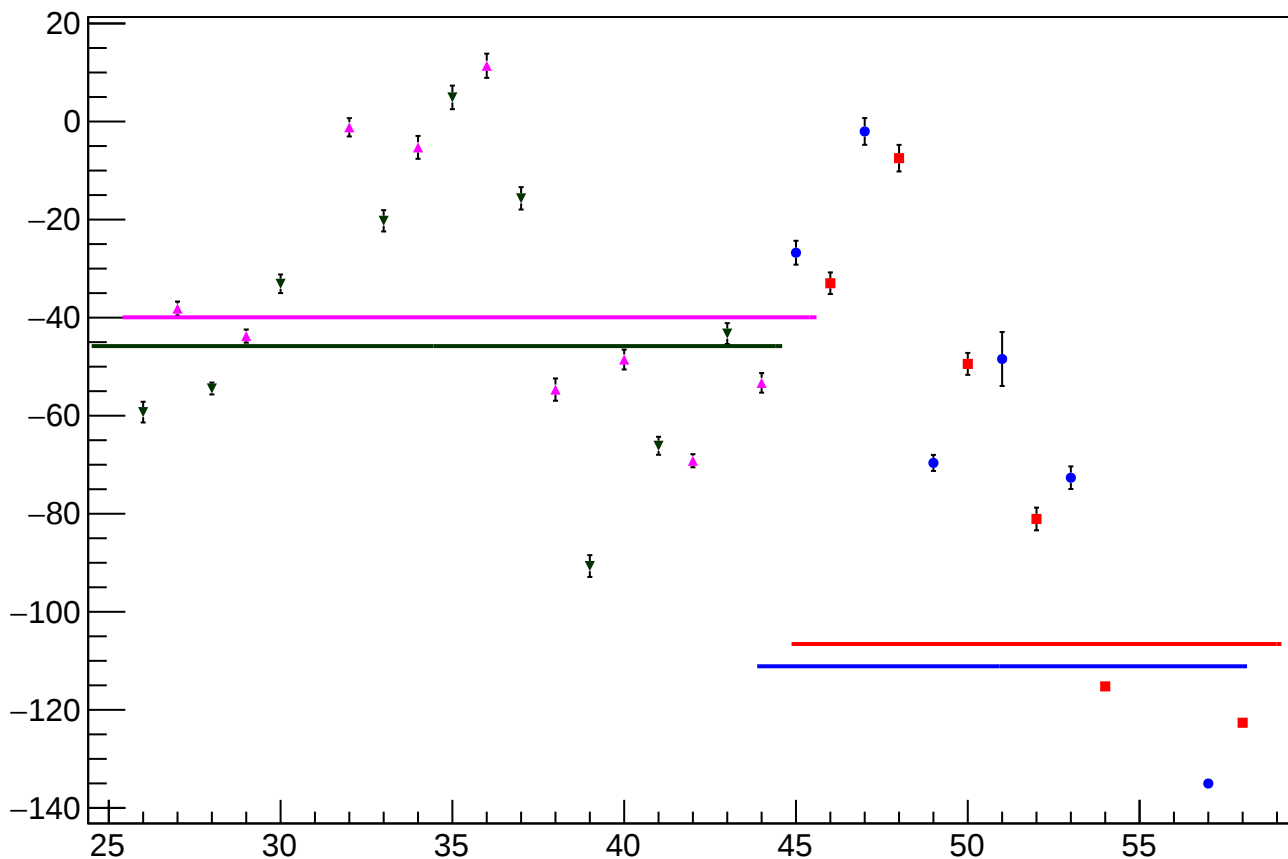
Right Out: -23.349 ± 0.072 $\chi^2/\text{NDF}: 23364.7/5$

Left In: -12.566 ± 0.085 $\chi^2/\text{NDF}: 25284.3/8$

-17.827 ± 0.060 $\chi^2/\text{NDF}: 32617.1/14$

-18.850 ± 0.055 $\chi^2/\text{NDF}: 57985.2/14$

reg_asym_sam1_diff_bpm4eY_slope vs slug



Right In: -111.114+/-0.564 χ^2/NDF : 5126.4/5

Left Out: -45.805+/-0.636 χ^2/NDF : 1422.6/8

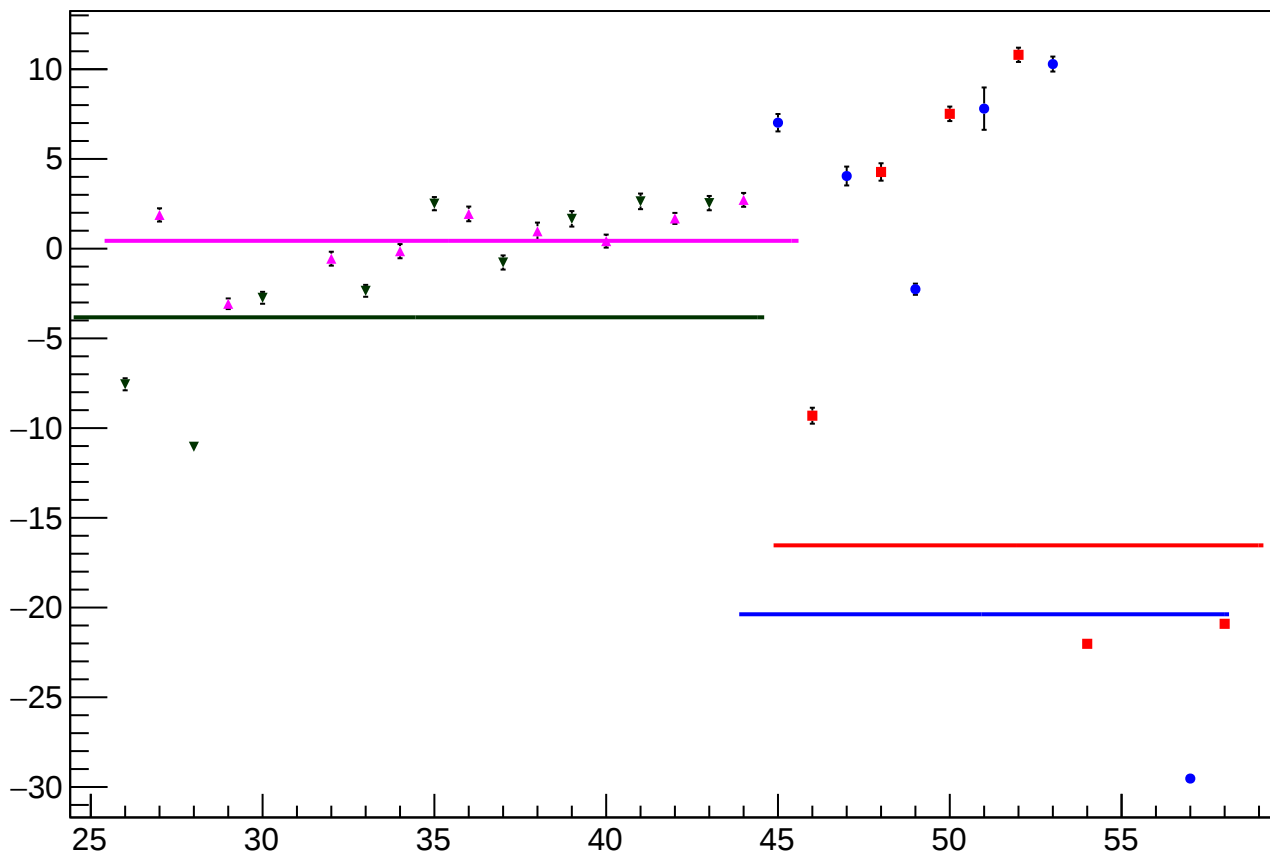
Right Out: -106.568+/-0.495 χ^2/NDF : 3867.3/5

Left In: -39.933+/-0.586 χ^2/NDF : 1674.5/8

-82.327+/-0.422 χ^2/NDF : 12451.1/14

-78.781+/-0.378 χ^2/NDF : 13087.2/14

reg_asym_sam1_diff_bpm11X_slope vs slug



Right In: -20.375 ± 0.106 χ^2/NDF : 20060.2/5

Left Out: -3.826 ± 0.112 χ^2/NDF : 2297.6/8

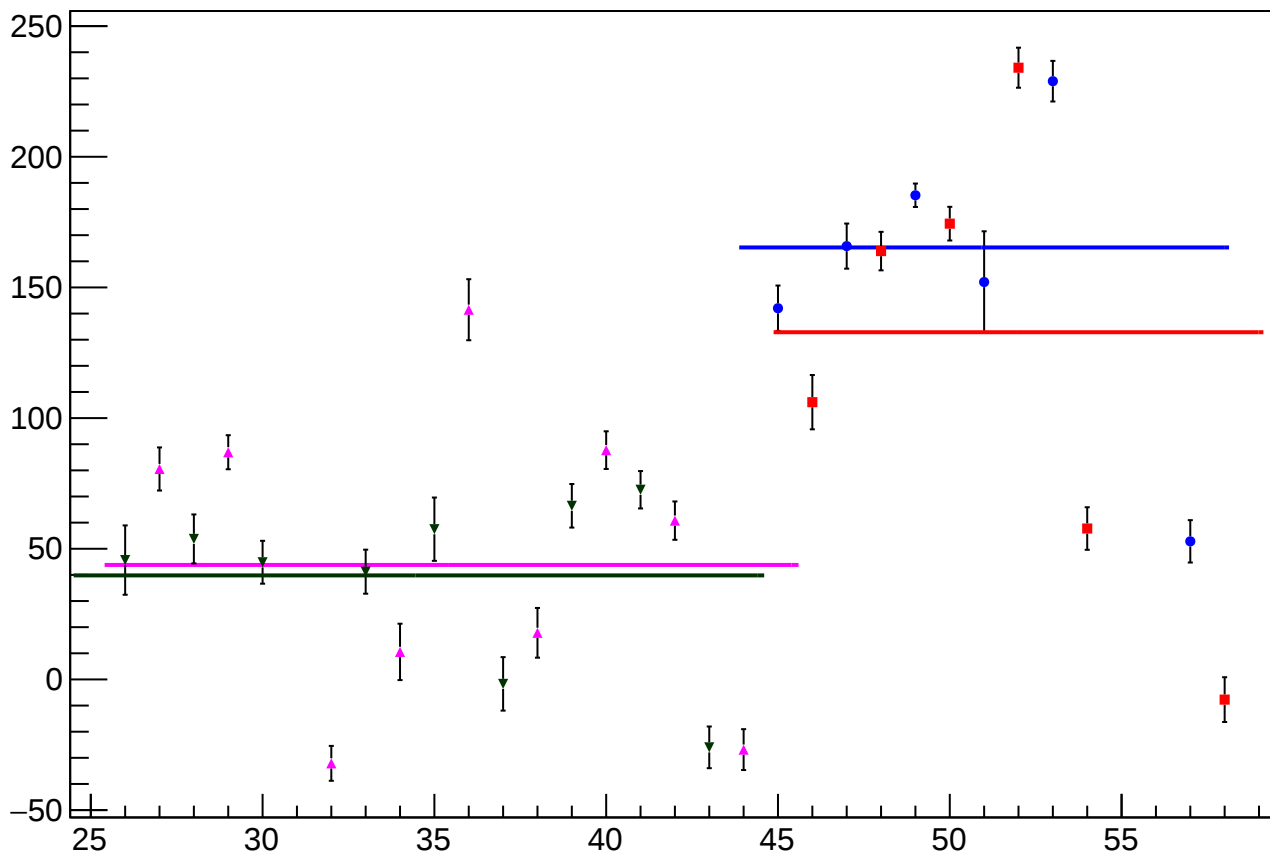
Right Out: -16.534 ± 0.093 χ^2/NDF : 12498.0/5

Left In: 0.437 ± 0.122 χ^2/NDF : 230.2/8

-12.539 ± 0.077 χ^2/NDF : 33865.4/14

-10.335 ± 0.074 χ^2/NDF : 24967.1/14

reg_asym_sam2_diff_bpm4aX_slope vs slug



Right In: 165.302 $\pm$ 3.003 χ^2 /NDF: 286.9/5

Left Out: 39.807 $\pm$ 2.987 χ^2 /NDF:120.7/8

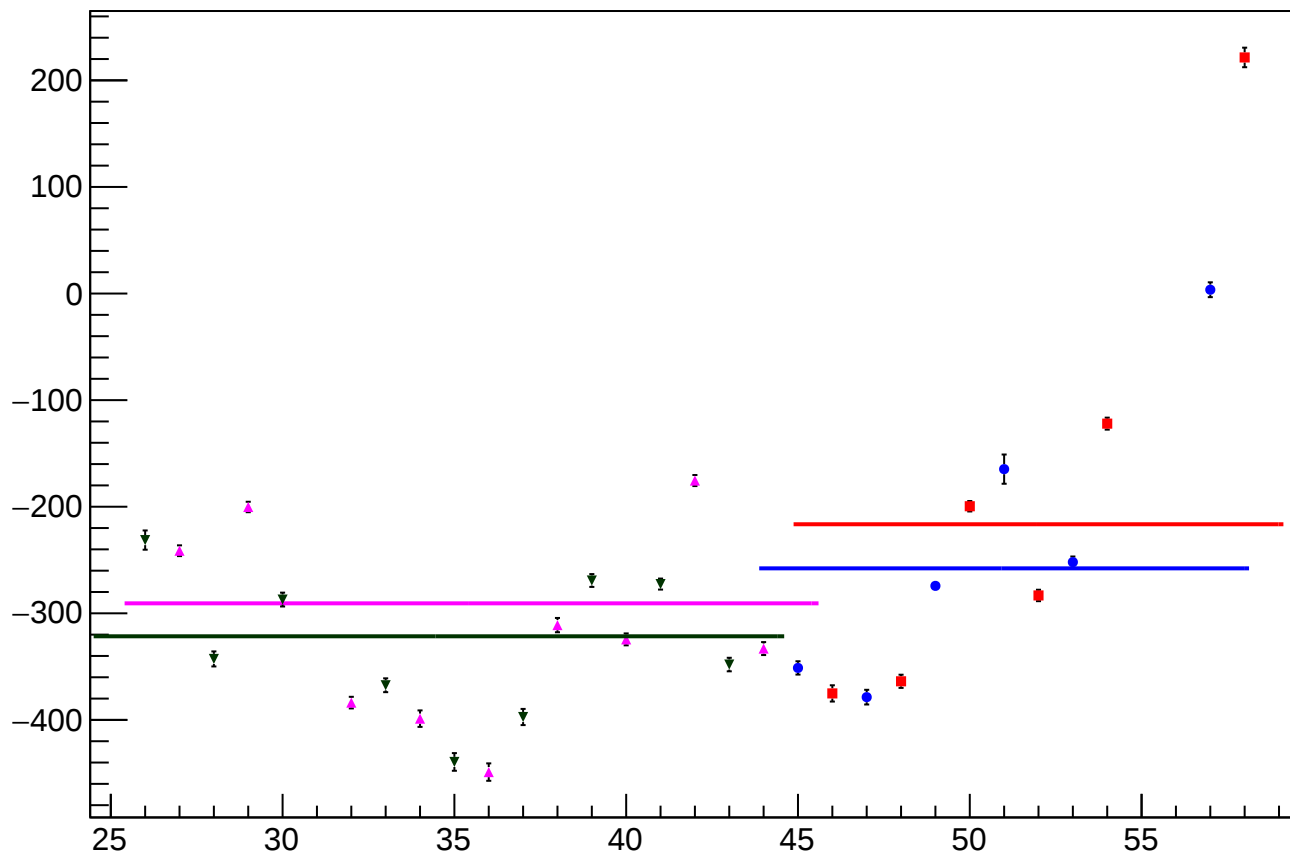
Right Out: 132.861 $\pm$ 3.202 χ^2 /NDF: 594.8/5

Left In: 43.811 $\pm$ 2.656 χ^2 /NDF:403.9/8

102.217 $\pm$ 2.118 χ^2 /NDF: 1285.3/14

80.095 $\pm$ 2.044 χ^2 /NDF: 1456.9/14

reg_asym_sam2_diff_bpm4aY_slope vs slug



Right In: -257.822+/-2.361 χ^2/NDF : 2007.4/5

Left Out: -321.559+/-2.226 χ^2/NDF : 672.6/8

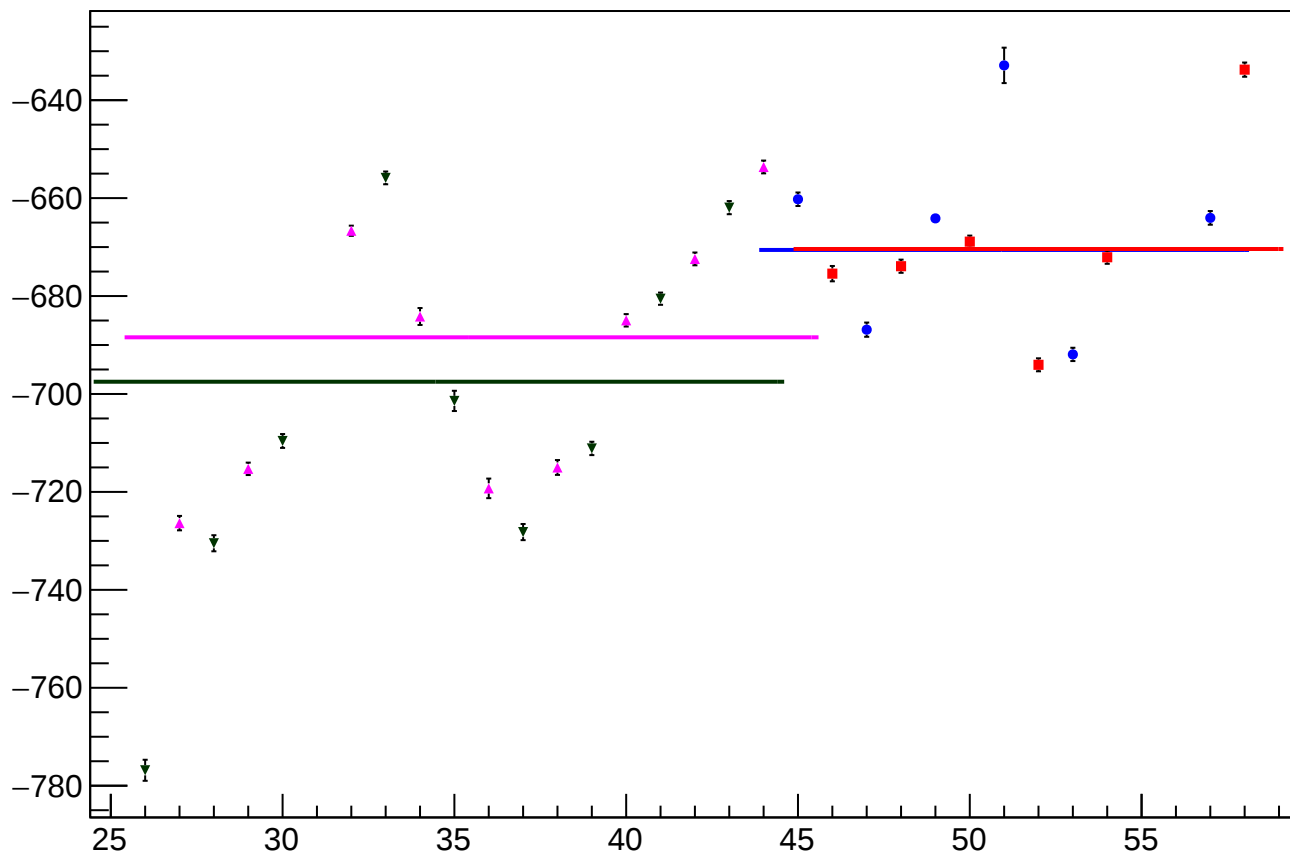
Right Out: -216.447+/-2.474 χ^2/NDF : 3728.8/5

Left In: -290.636+/-1.943 χ^2/NDF : 1886.8/8

-291.557+/-1.620 χ^2/NDF : 3065.7/14

-262.326+/-1.528 χ^2/NDF : 6171.6/14

reg_asym_sam2_diff_bpm4eX_slope vs slug



Right In: -670.586 ± 0.550 χ^2/NDF : 608.0/5

Left Out: -697.498 ± 0.500 χ^2/NDF : 4190.1/8

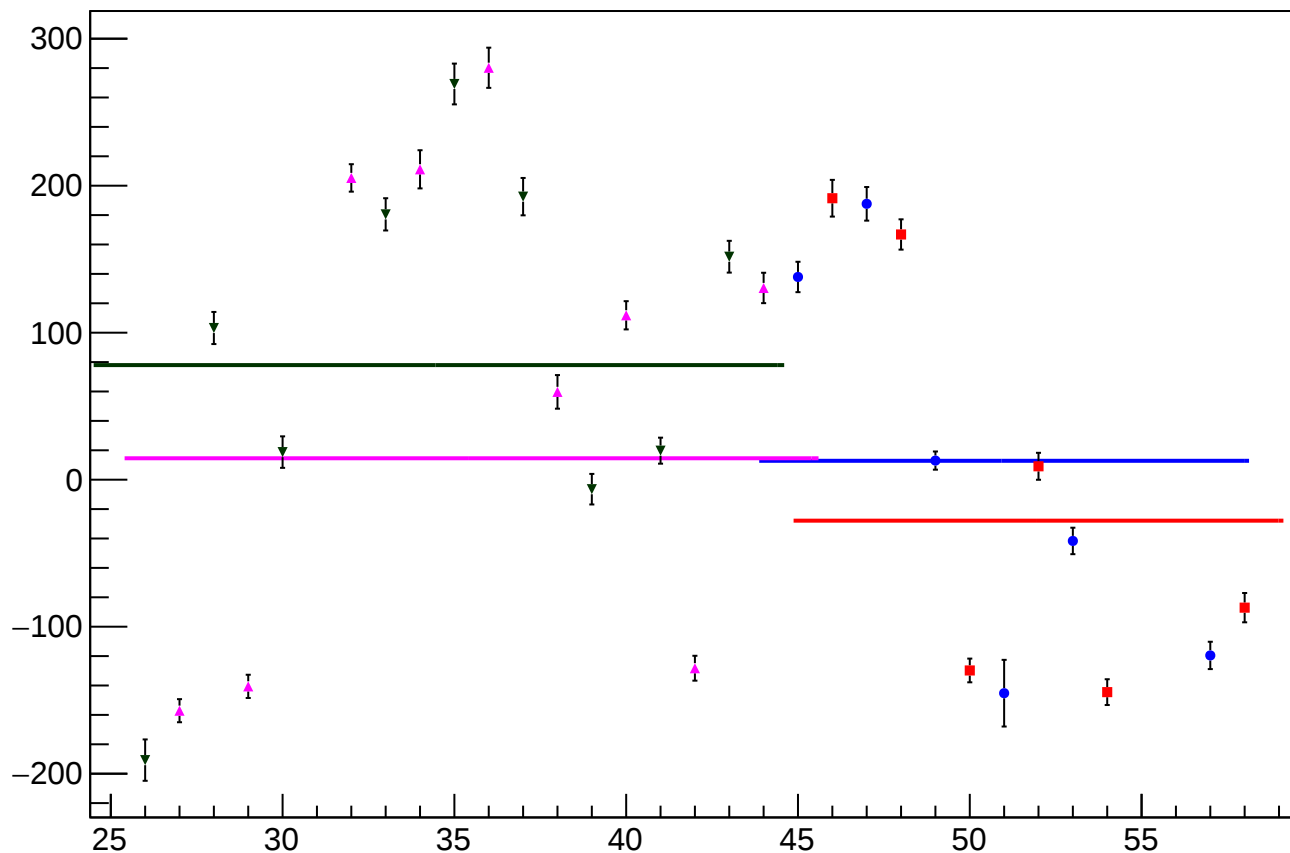
Right Out: -670.392 ± 0.558 χ^2/NDF : 975.2/5

Left In: -688.429 ± 0.456 χ^2/NDF : 2965.5/8

-685.328 ± 0.370 χ^2/NDF : 6110.3/14

-681.210 ± 0.353 χ^2/NDF : 4567.6/14

reg_asym_sam2_diff_bpm4eY_slope vs slug



Right In: 12.852 ± 3.807 $\chi^2/\text{NDF}: 668.3/5$

Left Out: 77.958 ± 3.716 $\chi^2/\text{NDF}: 915.0/8$

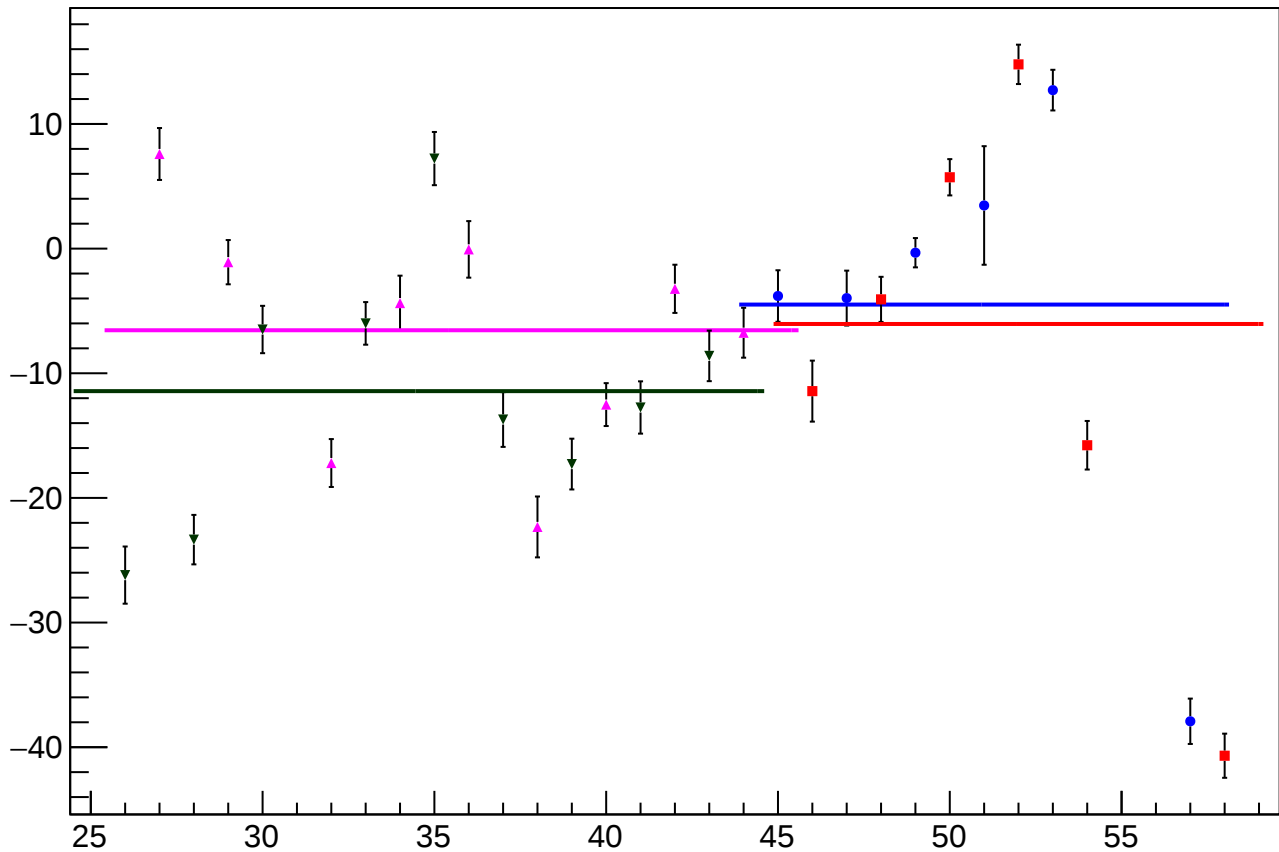
Right Out: -27.870 ± 3.888 $\chi^2/\text{NDF}: 1053.3/5$

Left In: 14.568 ± 3.215 $\chi^2/\text{NDF}: 2415.4/8$

46.193 ± 2.659 $\chi^2/\text{NDF}: 1733.1/14$

-2.664 ± 2.478 $\chi^2/\text{NDF}: 3539.4/14$

reg_asym_sam2_diff_bpm11X_slope vs slug



Right In: -4.489 ± 0.728 χ^2/NDF : 464.3/5

Left Out: -11.434 ± 0.674 χ^2/NDF : 182.4/8

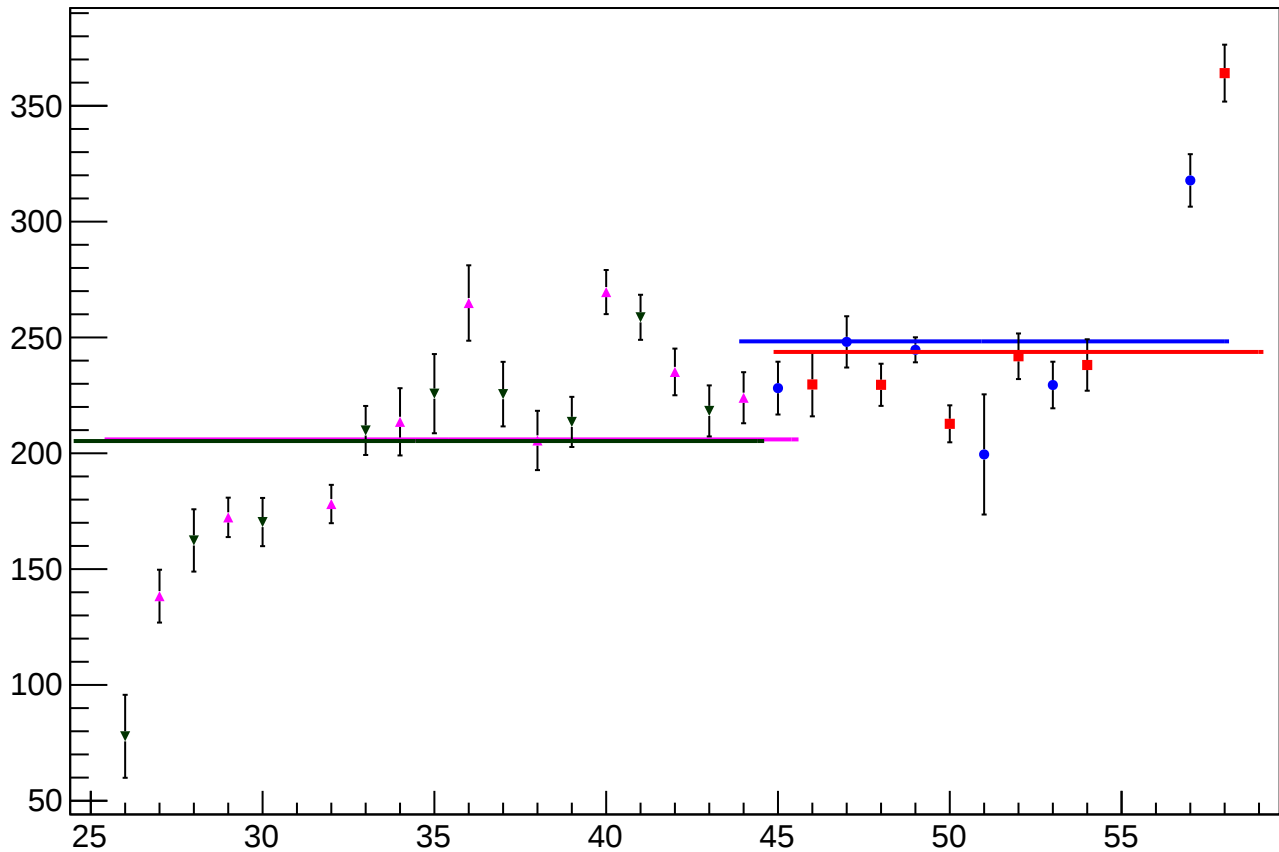
Right Out: -6.046 ± 0.720 χ^2/NDF : 652.8/5

Left In: -6.549 ± 0.668 χ^2/NDF : 152.2/8

-8.229 ± 0.495 χ^2/NDF : 695.7/14

-6.317 ± 0.490 χ^2/NDF : 805.3/14

reg_asym_sam3_diff_bpm4aX_slope vs slug



Right In: 248.316+/-3.799 χ^2/NDF : 48.2/5

Left Out: 205.287+/-3.993 χ^2/NDF :108.0/8

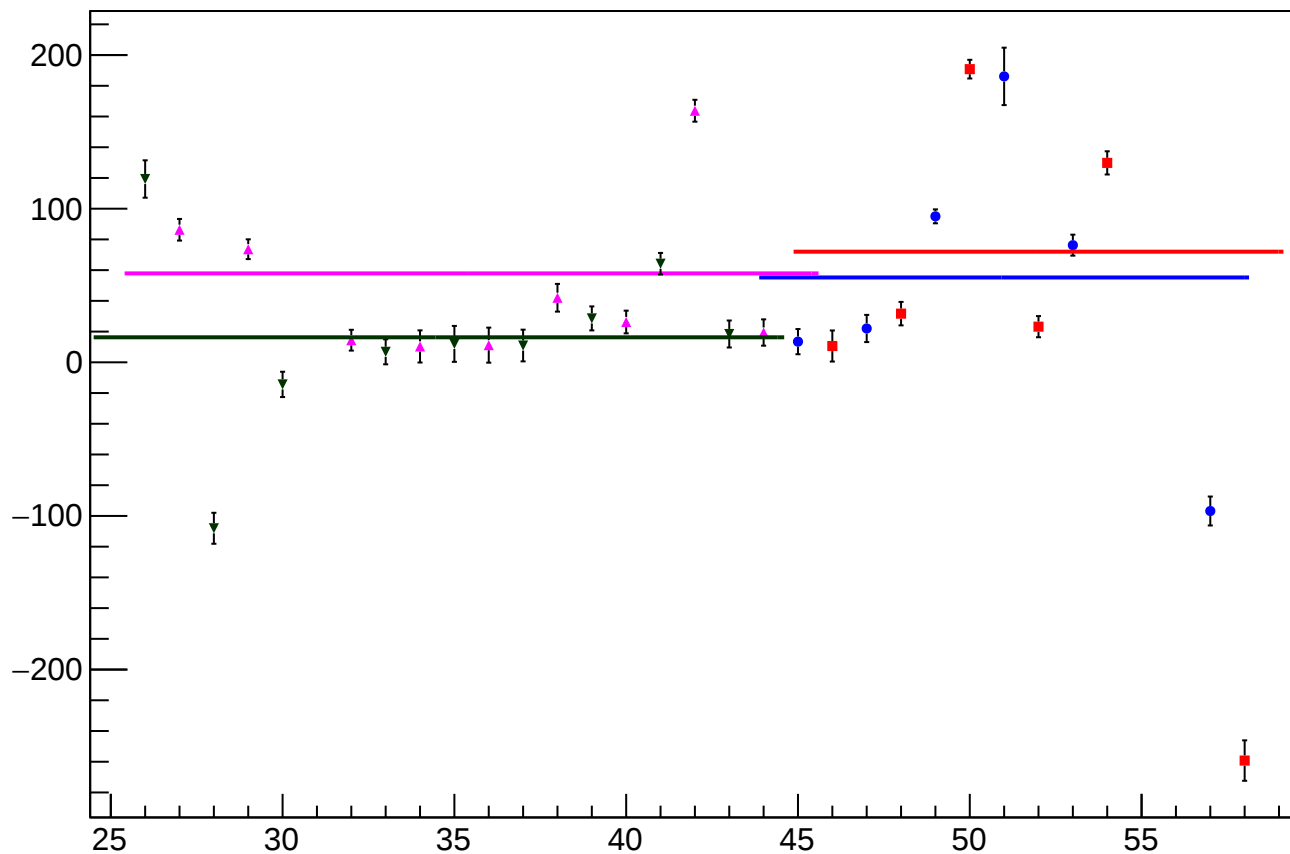
Right Out: 243.748+/-4.148 χ^2/NDF : 114.8/5

Left In: 205.988+/-3.539 χ^2/NDF :131.2/8

227.871+/-2.752 χ^2/NDF : 217.2/14

221.894+/-2.692 χ^2/NDF : 294.0/14

reg_asym_sam3_diff_bpm4aY_slope vs slug



Right In: 55.227 ± 2.991 χ^2/NDF : 435.8/5

Left Out: 16.279 ± 2.978 χ^2/NDF : 288.5/8

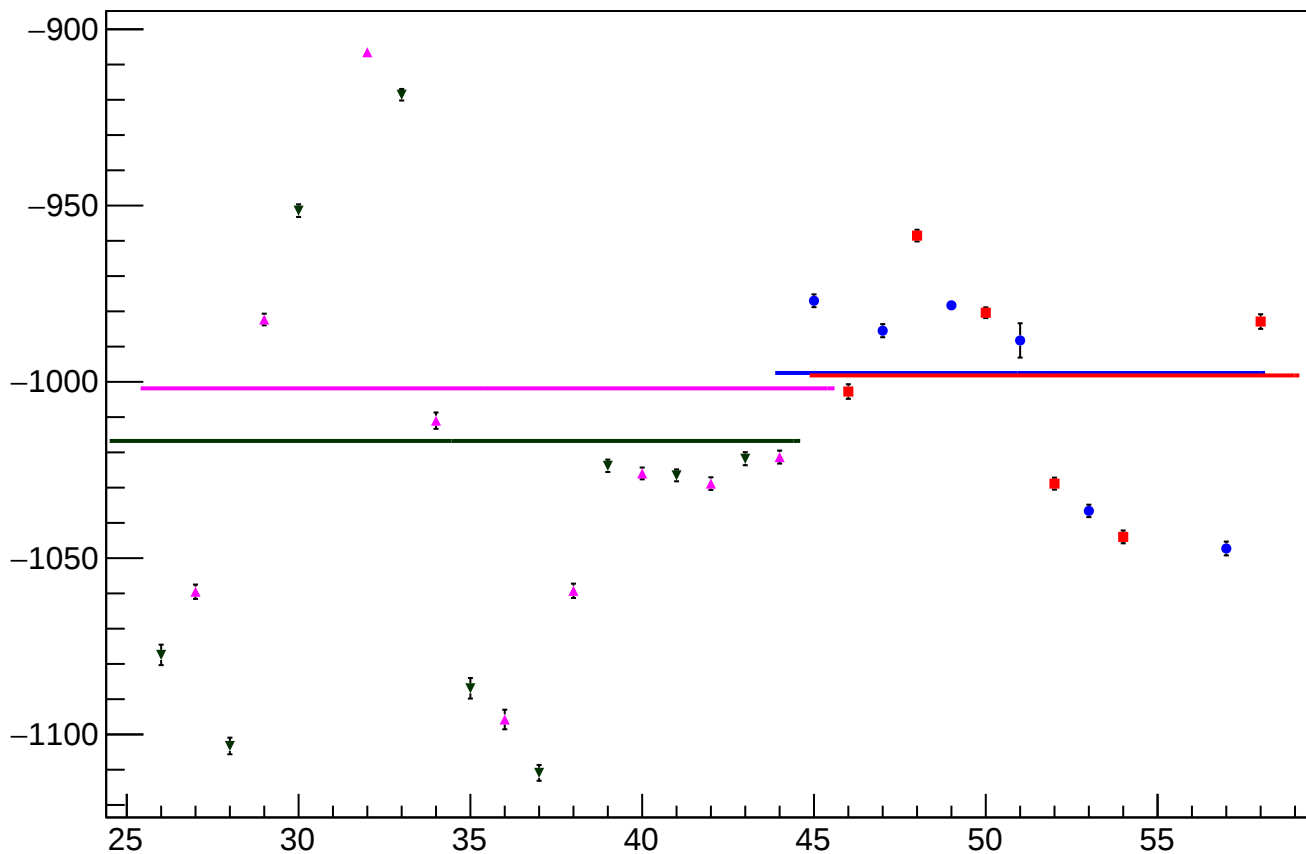
Right Out: 72.018 ± 3.188 χ^2/NDF : 1188.9/5

Left In: 57.880 ± 2.609 χ^2/NDF : 363.5/8

35.664 ± 2.110 χ^2/NDF : 809.5/14

63.551 ± 2.019 χ^2/NDF : 1564.1/14

reg_asym_sam3_diff_bpm4eX_slope vs slug



Right In: -997.480 $\pm$ 0.703 χ^2 /NDF: 1608.8/5

Left Out: -1016.757 $\pm$ 0.666 χ^2 /NDF: 9085.0/8

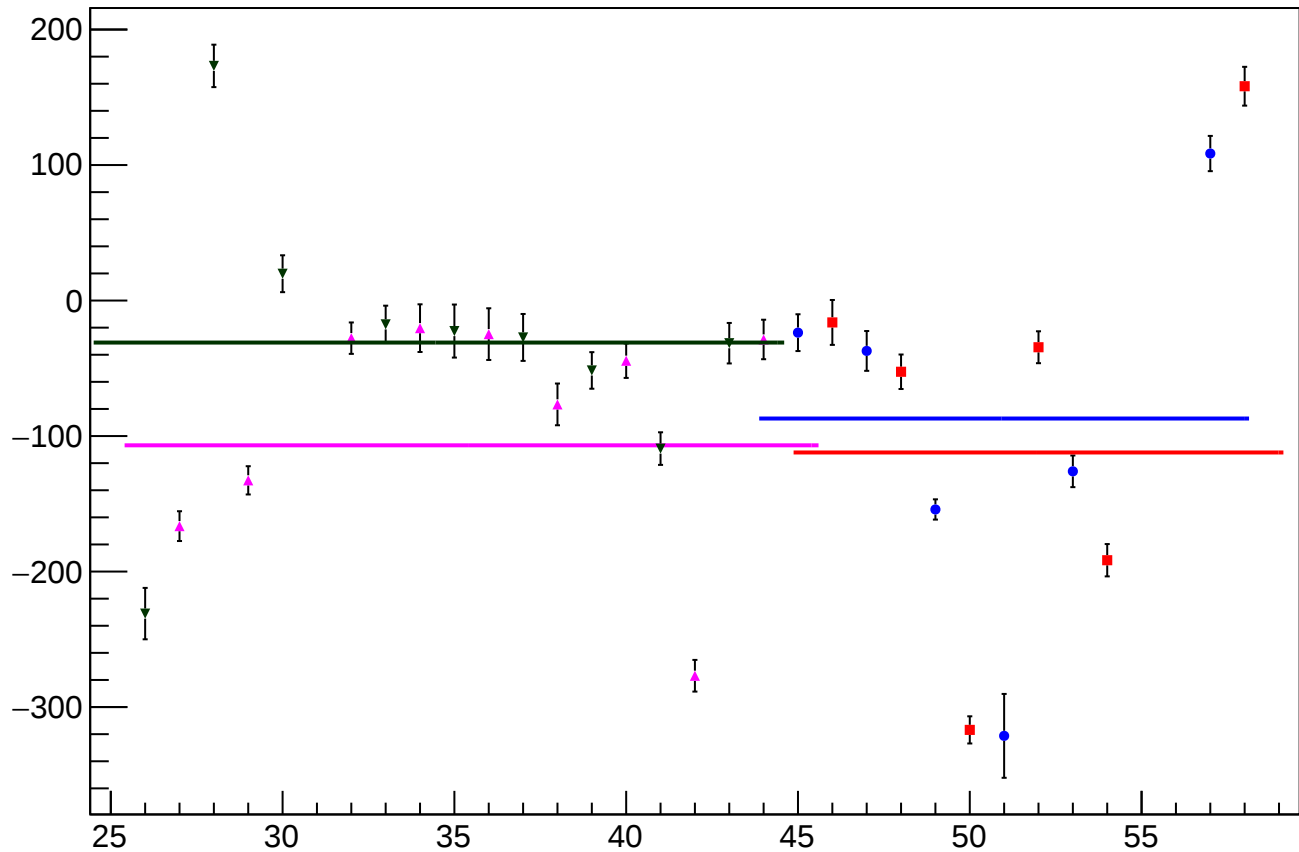
Right Out: -998.176 $\pm$ 0.727 χ^2 /NDF: 1715.3/5

Left In: -1001.844 $\pm$ 0.607 χ^2 /NDF: 8875.1/8

-1007.630 $\pm$ 0.483 χ^2 /NDF: 11090.1/14

-1000.337 $\pm$ 0.466 χ^2 /NDF: 10605.4/14

reg_asym_sam3_diff_bpm4eY_slope vs slug



Right In: -87.064 ± 4.865 $\chi^2/\text{NDF}: 408.3/5$

Left Out: -31.002 ± 4.978 $\chi^2/\text{NDF}: 340.9/8$

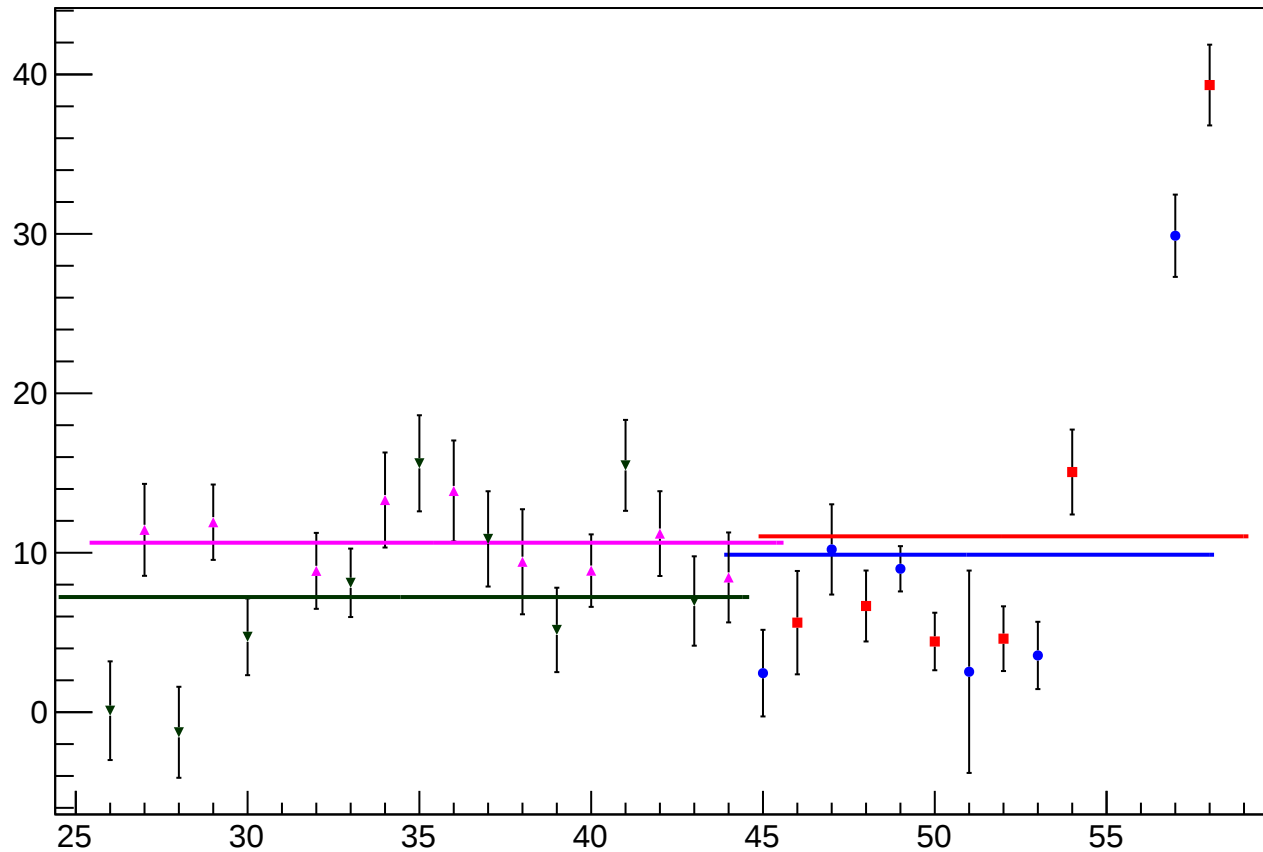
Right Out: -112.120 ± 5.071 $\chi^2/\text{NDF}: 916.9/5$

Left In: -106.838 ± 4.330 $\chi^2/\text{NDF}: 393.2/8$

-59.673 ± 3.479 $\chi^2/\text{NDF}: 814.1/14$

-109.065 ± 3.293 $\chi^2/\text{NDF}: 1310.8/14$

reg_asym_sam3_diff_bpm11X_slope vs slug



Right In: 9.876 ± 0.930 χ^2/NDF : 78.3/5

Left Out: 7.222 ± 0.901 χ^2/NDF : 33.6/8

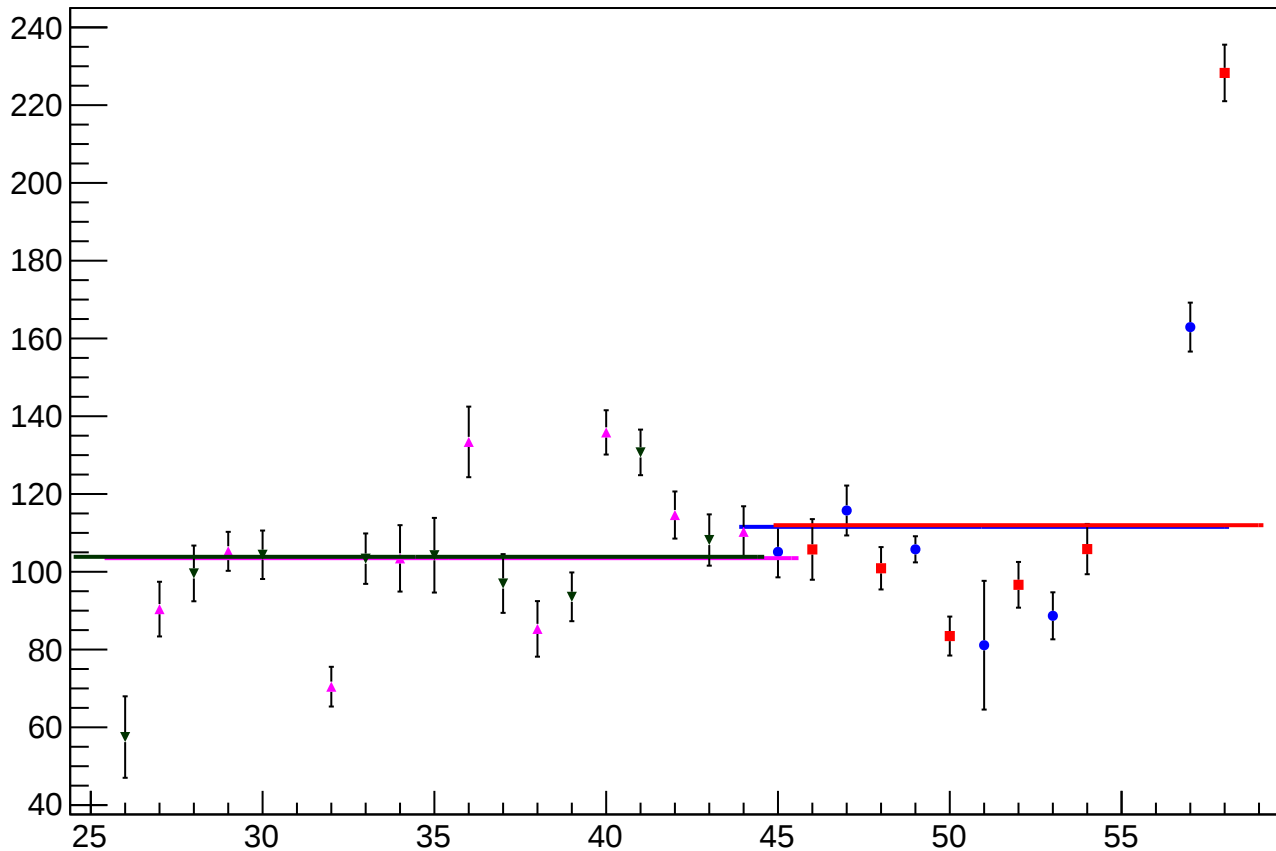
Right Out: 11.030 ± 0.935 χ^2/NDF : 157.2/5

Left In: 10.629 ± 0.898 χ^2/NDF : 4.1/8

8.507 ± 0.647 χ^2/NDF : 116.1/14

10.822 ± 0.648 χ^2/NDF : 161.5/14

reg_asym_sam4_diff_bpm4aX_slope vs slug



Right In: 111.554 $\pm$ 2.279 χ^2 /NDF: 88.7/5

Left Out: 103.848 $\pm$ 2.331 χ^2 /NDF: 44.9/8

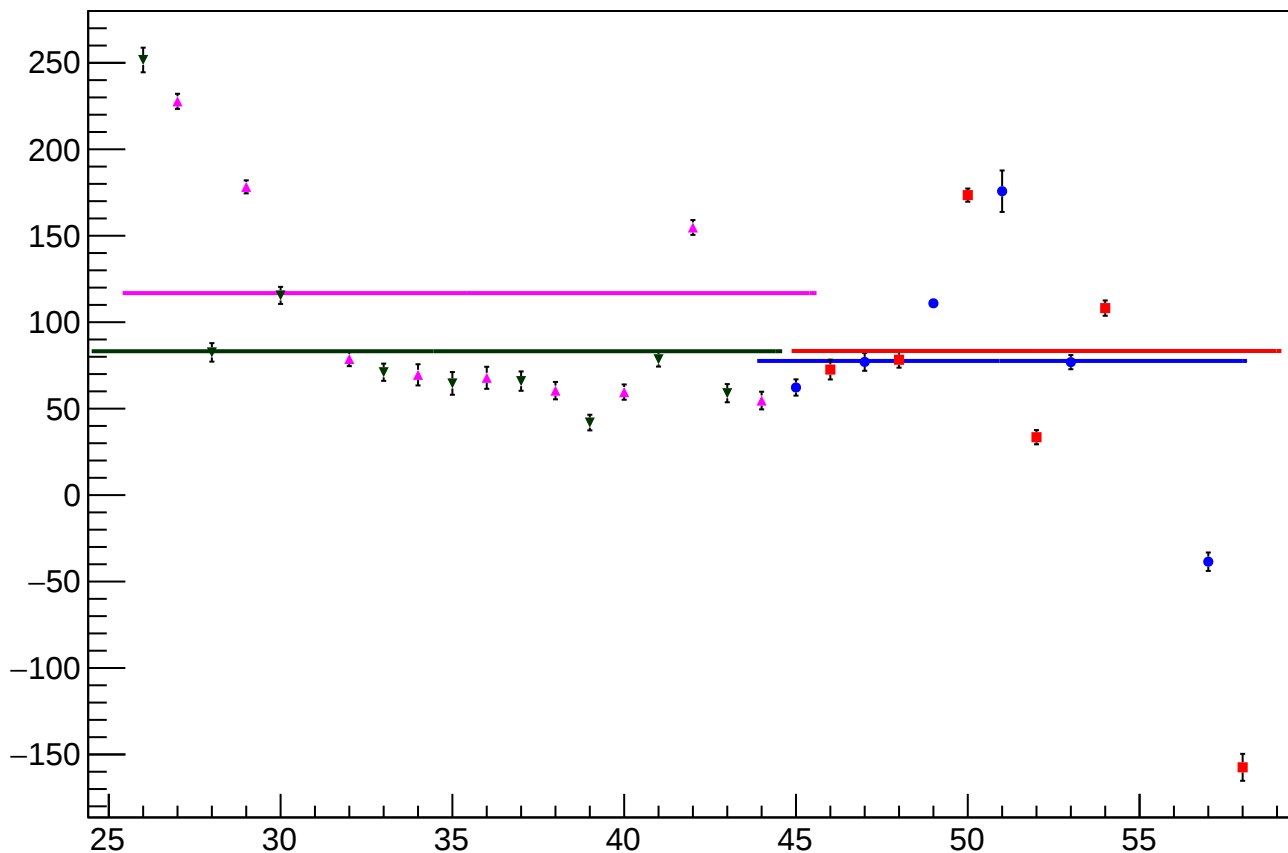
Right Out: 111.978 $\pm$ 2.487 χ^2 /NDF: 300.9/5

Left In: 103.503 $\pm$ 2.108 χ^2 /NDF: 99.4/8

107.787 $\pm$ 1.630 χ^2 /NDF: 139.2/14

107.047 $\pm$ 1.608 χ^2 /NDF: 407.1/14

reg_asym_sam4_diff_bpm4aY_slope vs slug



Right In: 77.591 $\pm$ 1.796 χ^2 /NDF: 692.8/5

Left Out: 83.201 $\pm$ 1.736 χ^2 /NDF: 731.5/8

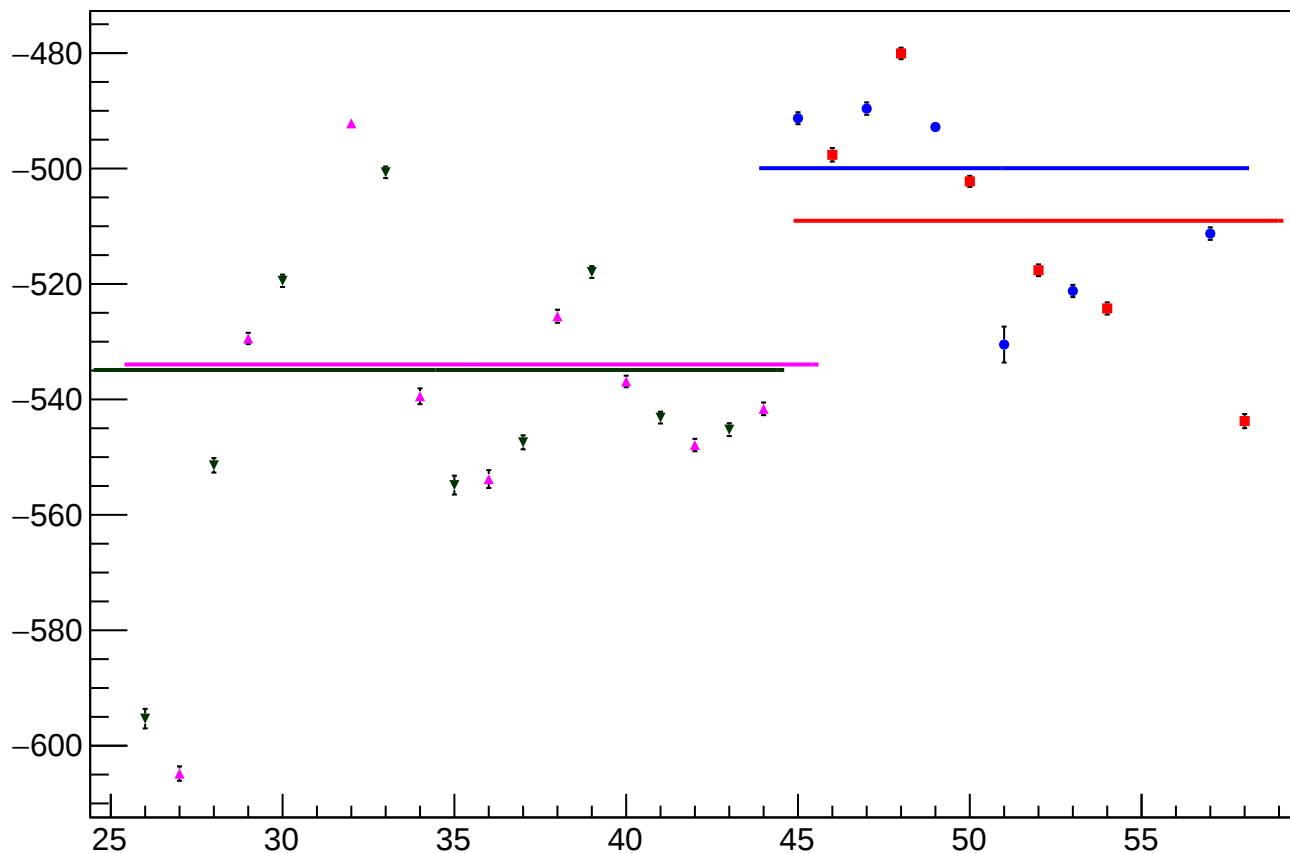
Right Out: 83.342 $\pm$ 1.912 χ^2 /NDF: 1697.8/5

Left In: 116.837 $\pm$ 1.553 χ^2 /NDF: 1630.8/8

80.491 $\pm$ 1.248 χ^2 /NDF: 1429.3/14

103.527 $\pm$ 1.205 χ^2 /NDF: 3513.6/14

reg_asym_sam4_diff_bpm4eX_slope vs slug



Right In: -499.940 $\pm$ 0.418 χ^2 /NDF: 877.0/5

Left Out: -534.901 $\pm$ 0.389 χ^2 /NDF: 3490.3/8

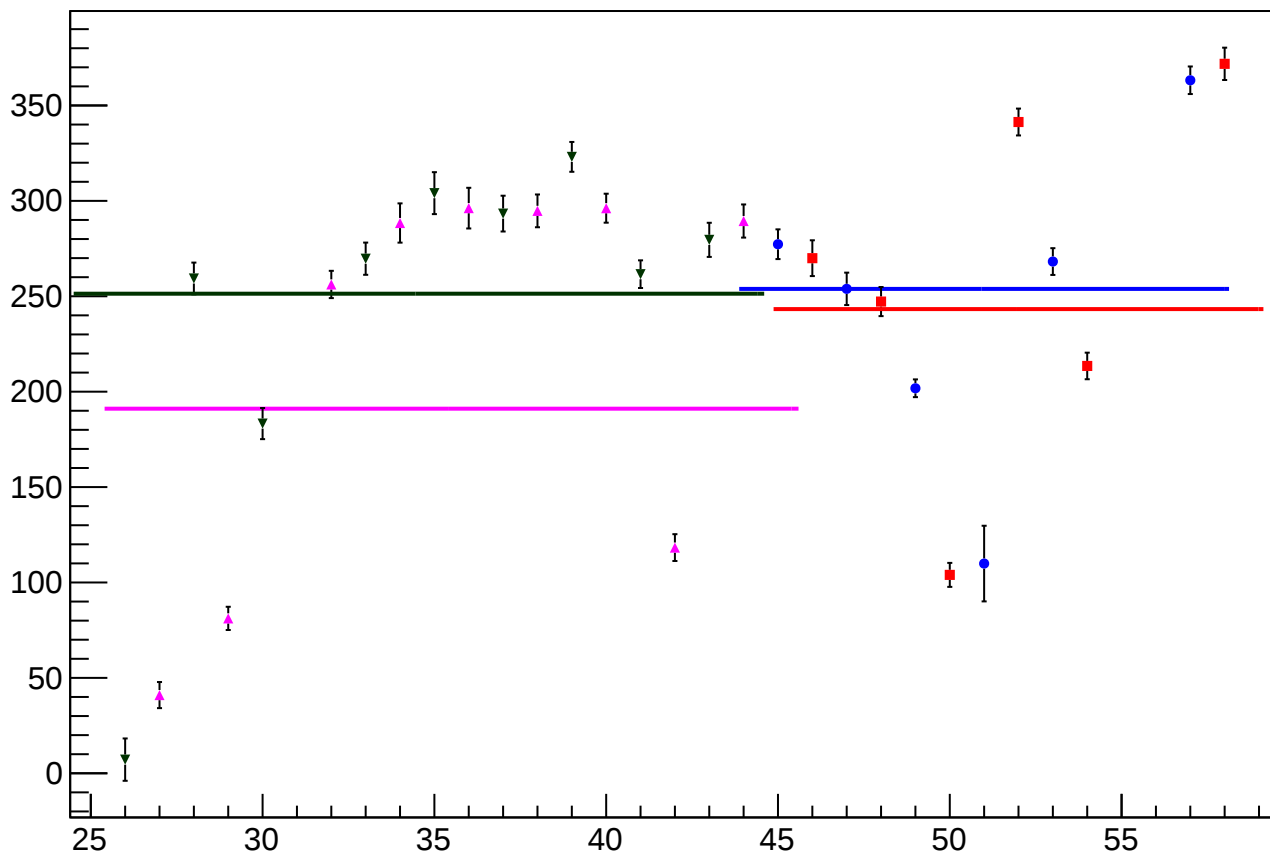
Right Out: -509.047 $\pm$ 0.433 χ^2 /NDF: 2060.6/5

Left In: -533.950 $\pm$ 0.361 χ^2 /NDF: 6442.7/8

-518.682 $\pm$ 0.285 χ^2 /NDF: 8114.8/14

-523.743 $\pm$ 0.277 χ^2 /NDF: 10453.7/14

reg_asym_sam4_diff_bpm4eY_slope vs slug



Right In: 253.864 $\pm$ 2.904 χ^2 /NDF: 420.5/5

Left Out: 251.350 $\pm$ 2.897 χ^2 /NDF:698.7/8

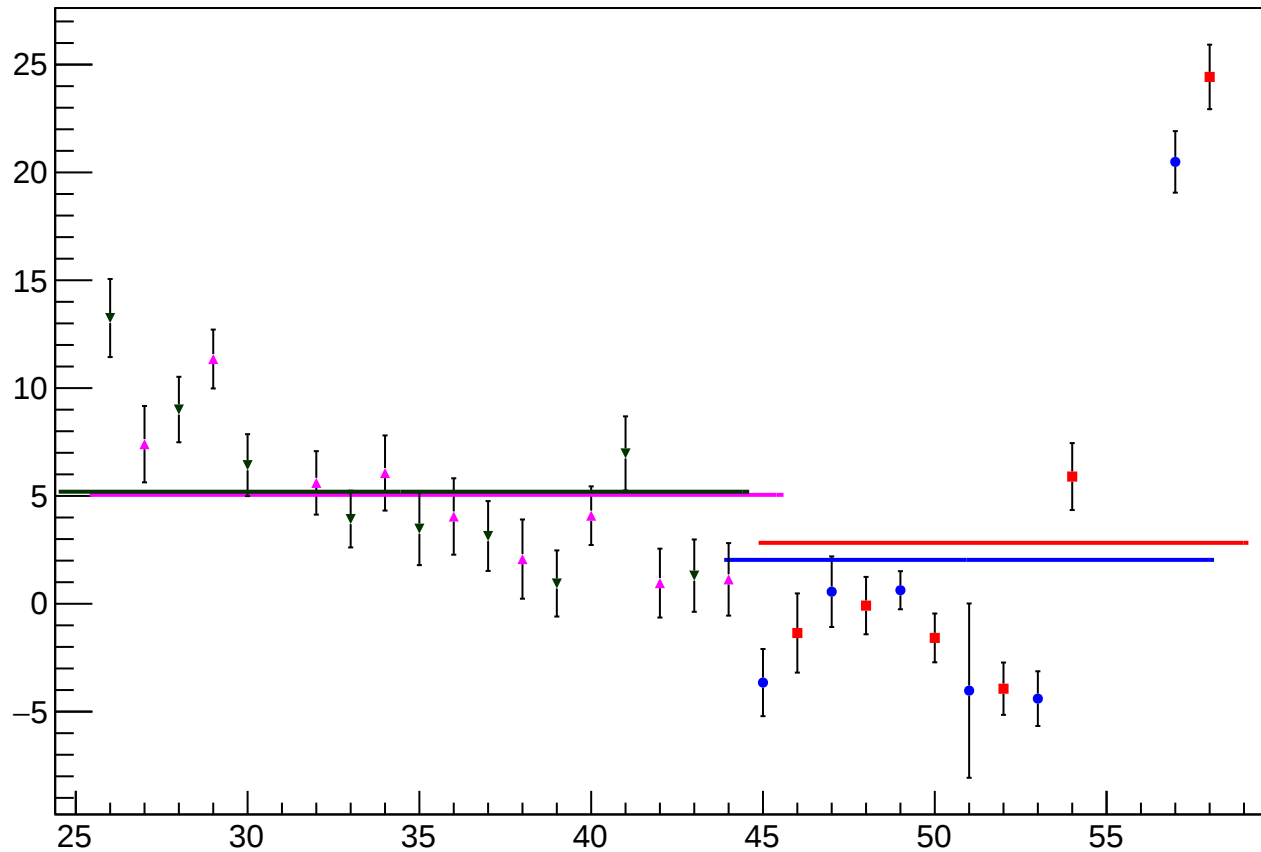
Right Out: 243.284 $\pm$ 3.034 χ^2 /NDF: 942.3/5

Left In: 191.089 $\pm$ 2.577 χ^2 /NDF:1650.2/8

252.604 $\pm$ 2.051 χ^2 /NDF: 1119.6/14

212.960 $\pm$ 1.964 χ^2 /NDF: 2764.4/14

reg_asym_sam4_diff_bpm11X_slope vs slug



Right In: 2.036 ± 0.556 χ^2/NDF : 212.0/5

Left Out: 5.196 ± 0.523 χ^2/NDF : 44.5/8

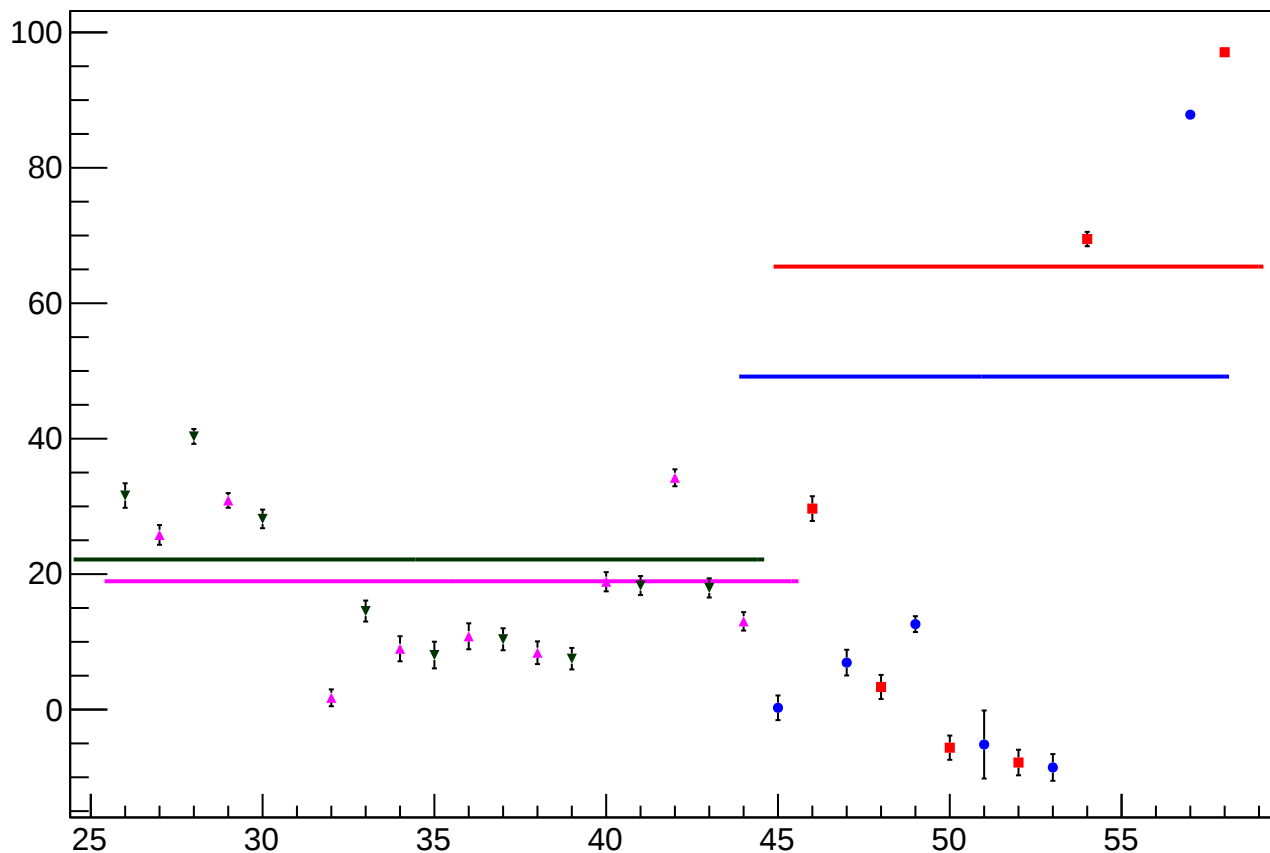
Right Out: 2.827 ± 0.560 χ^2/NDF : 268.7/5

Left In: 5.051 ± 0.531 χ^2/NDF : 39.0/8

3.710 ± 0.381 χ^2/NDF : 273.7/14

3.999 ± 0.385 χ^2/NDF : 315.9/14

reg_asym_sam5_diff_bpm4aX_slope vs slug



Right In: 49.173 ± 0.541 $\chi^2/\text{NDF}: 5876.2/5$

Left Out: 22.164 ± 0.492 $\chi^2/\text{NDF}: 550.6/8$

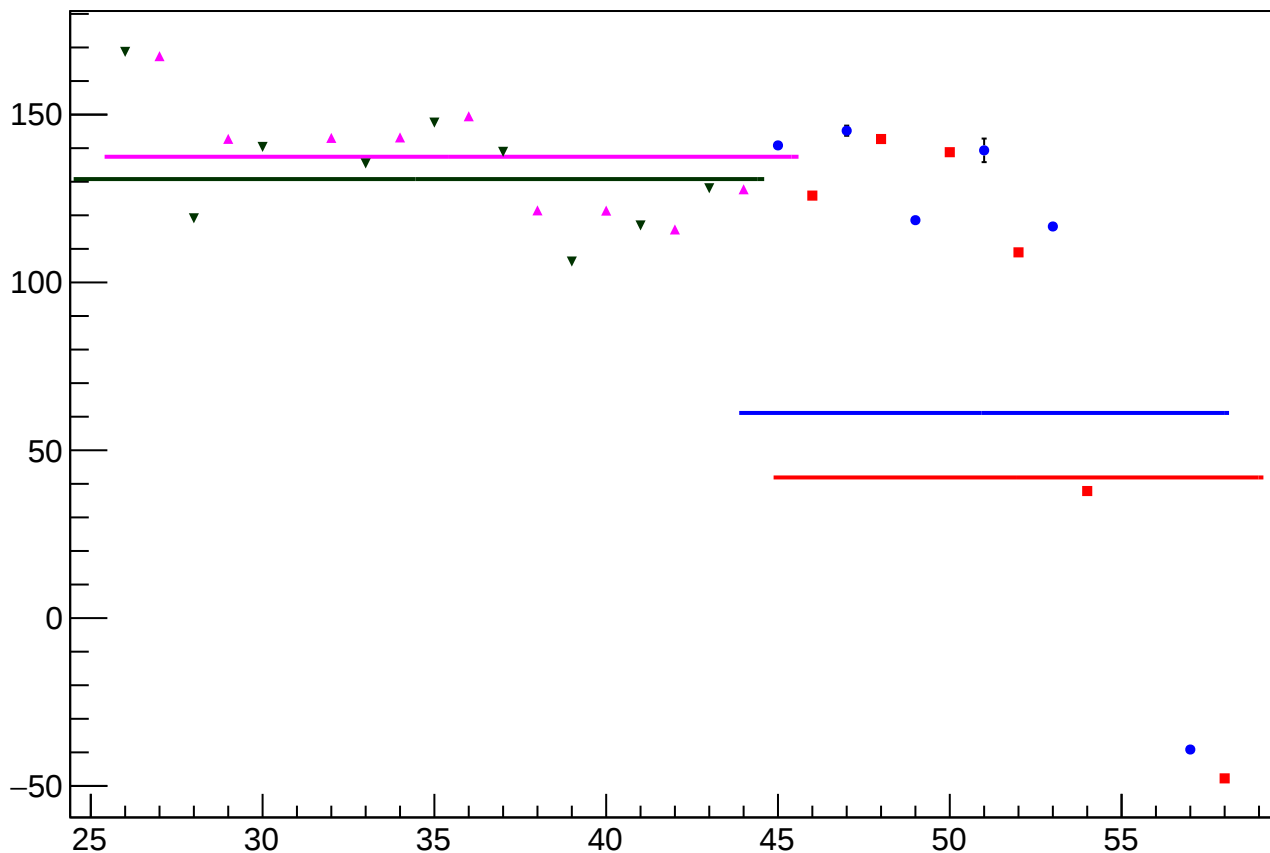
Right Out: 65.414 ± 0.483 $\chi^2/\text{NDF}: 6891.7/5$

Left In: 18.948 ± 0.468 $\chi^2/\text{NDF}: 590.1/8$

34.403 ± 0.364 $\chi^2/\text{NDF}: 7790.2/14$

41.449 ± 0.336 $\chi^2/\text{NDF}: 12260.6/14$

reg_asym_sam5_diff_bpm4aY_slope vs slug



Right In: 61.121 ± 0.479 $\chi^2/\text{NDF}: 29766.8/5$

Left Out: 130.793 ± 0.372 $\chi^2/\text{NDF}: 2039.0/8$

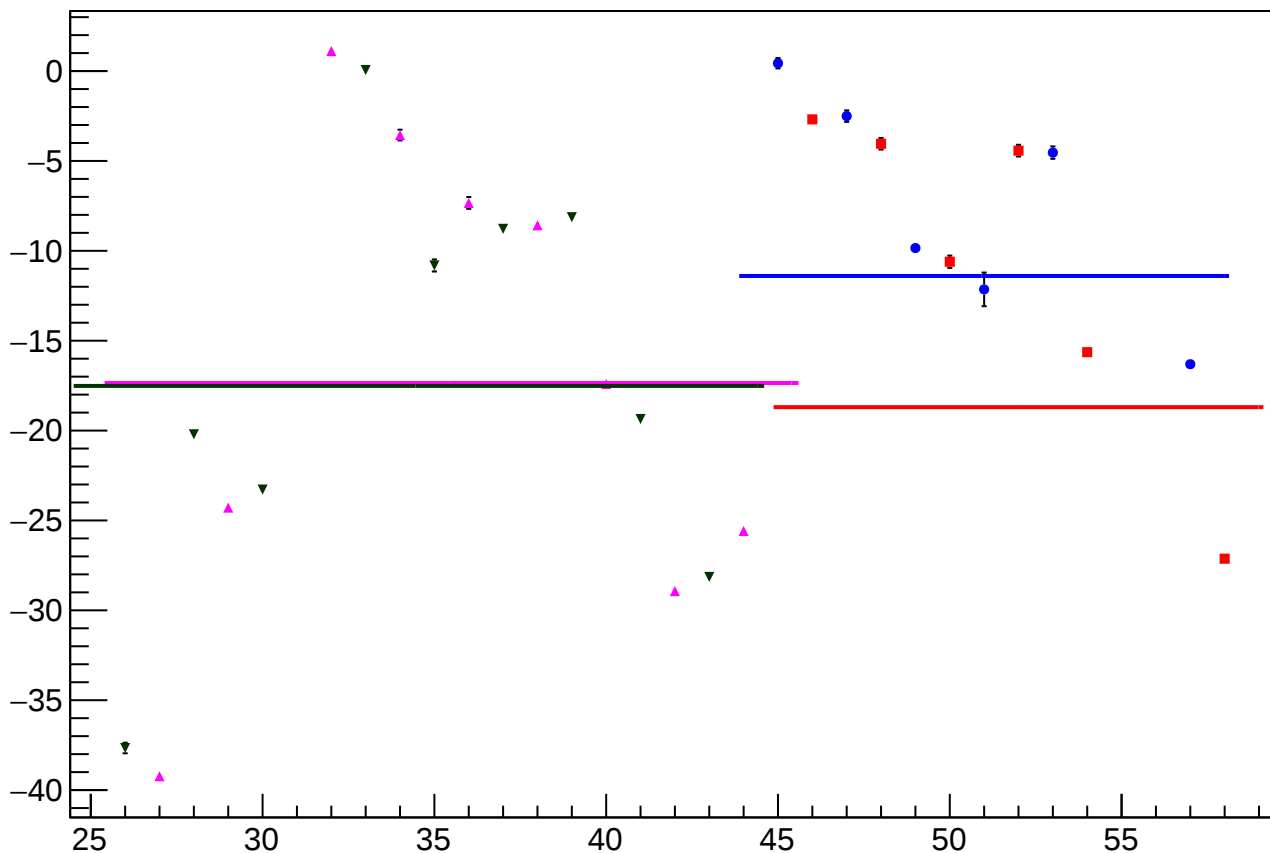
Right Out: 41.901 ± 0.445 $\chi^2/\text{NDF}: 30967.0/5$

Left In: 137.444 ± 0.345 $\chi^2/\text{NDF}: 2221.9/8$

104.588 ± 0.293 $\chi^2/\text{NDF}: 45030.1/14$

101.469 ± 0.273 $\chi^2/\text{NDF}: 61990.1/14$

reg_asym_sam5_diff_bpm4eX_slope vs slug



Right In: -11.399+/-0.094 χ^2/NDF : 4448.6/5

Left Out: -17.516+/-0.083 χ^2/NDF : 15652.4/8

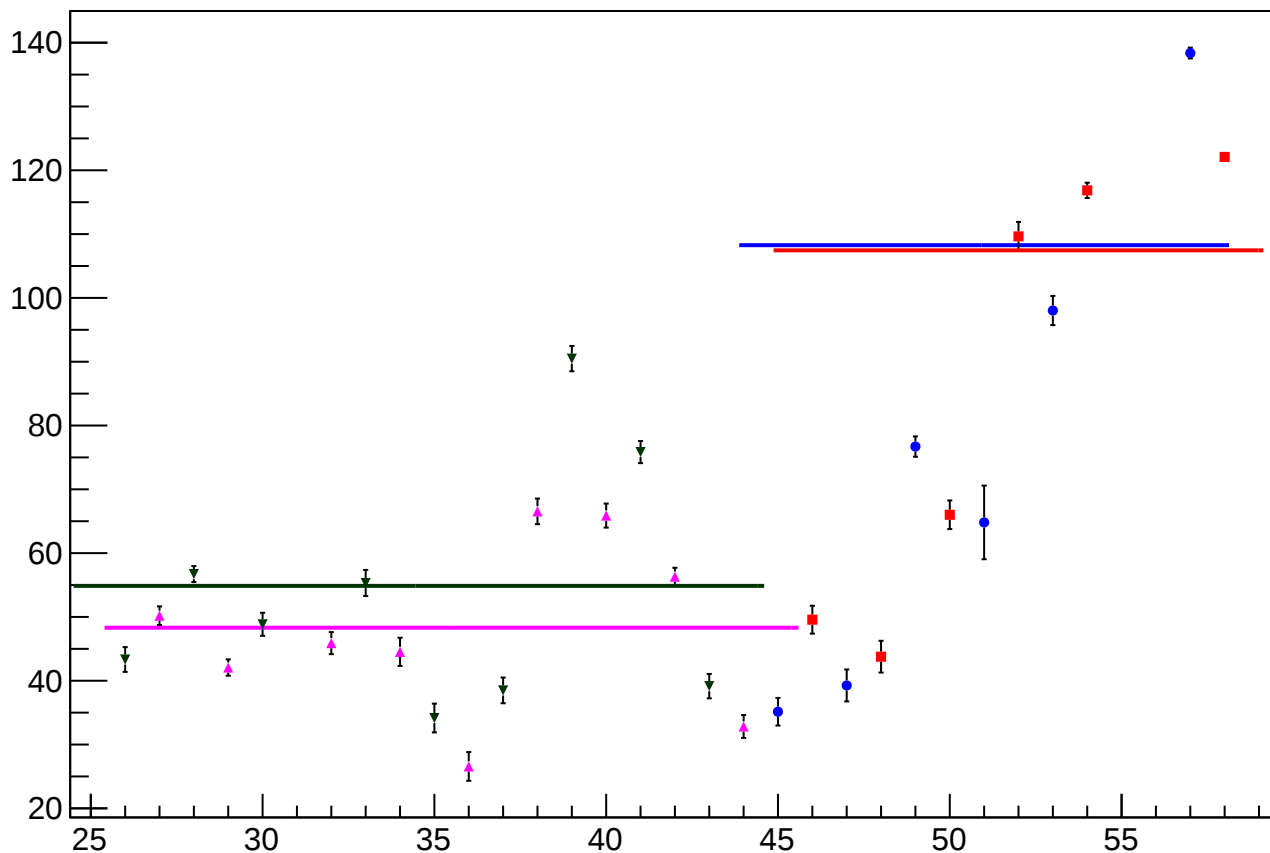
Right Out: -18.696+/-0.082 χ^2/NDF : 13567.1/5

Left In: -17.353+/-0.080 χ^2/NDF : 25925.9/8

-14.838+/-0.062 χ^2/NDF : 22486.3/14

-18.007+/-0.057 χ^2/NDF : 39629.7/14

reg_asym_sam5_diff_bpm4eY_slope vs slug



Right In: 108.265 $\pm$ 0.647 χ^2 /NDF: 3636.6/5

Left Out: 54.868 $\pm$ 0.603 χ^2 /NDF:735.8/8

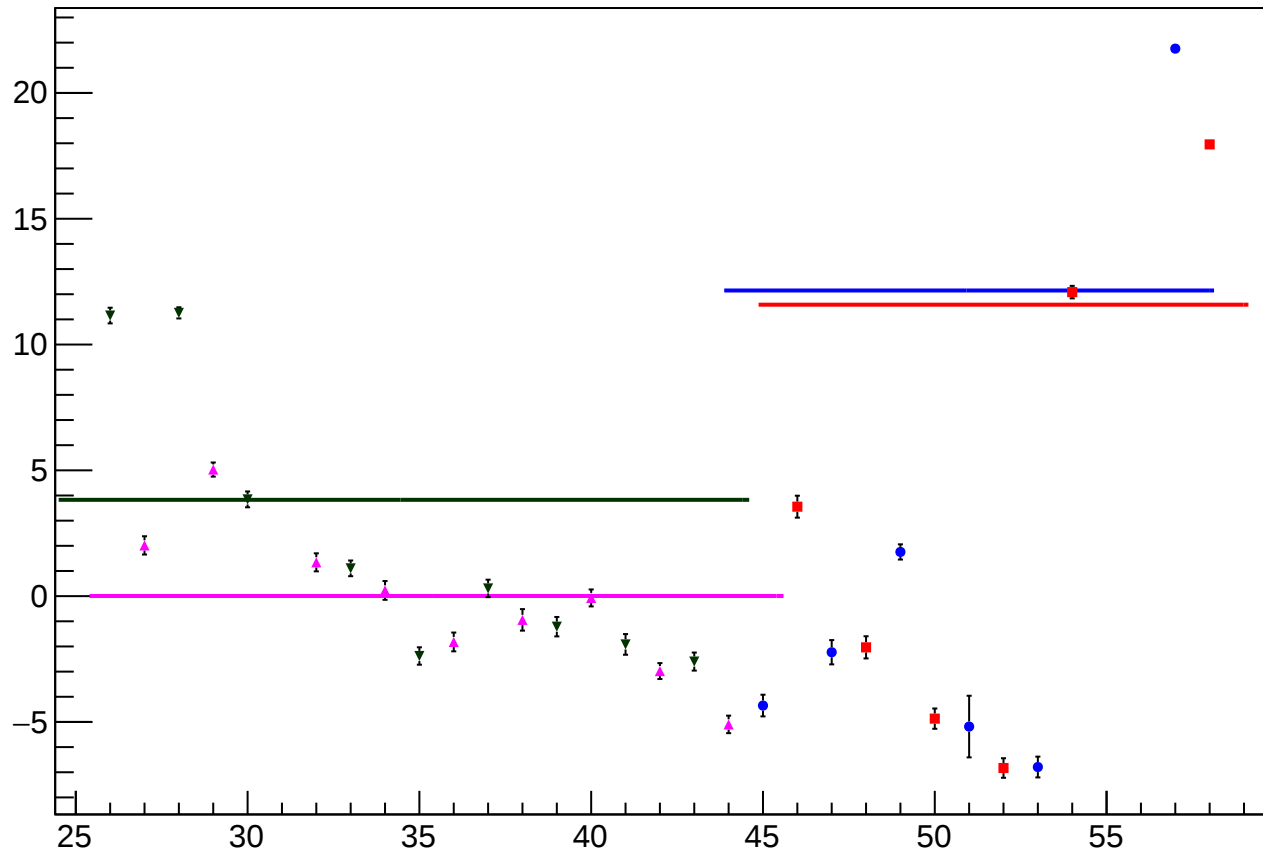
Right Out: 107.455 $\pm$ 0.570 χ^2 /NDF: 2109.1/5

Left In: 48.311 $\pm$ 0.562 χ^2 /NDF:400.4/8

79.696 $\pm$ 0.441 χ^2 /NDF: 8017.0/14

77.450 $\pm$ 0.400 χ^2 /NDF: 7974.8/14

reg_asym_sam5_diff_bpm11X_slope vs slug



Right In: 12.149 ± 0.122 $\chi^2/\text{NDF}: 9559.1/5$

Left Out: 3.828 ± 0.107 $\chi^2/\text{NDF}: 2866.4/8$

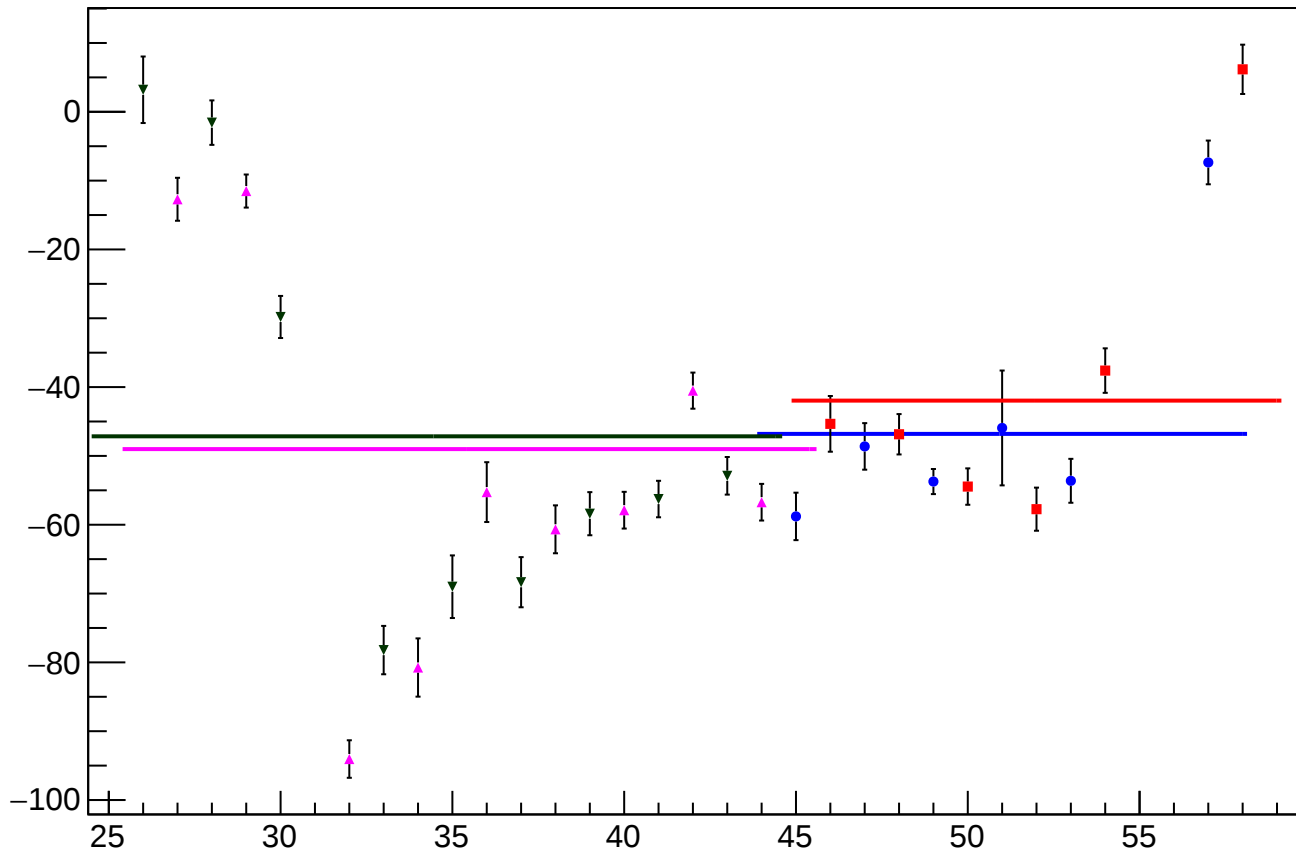
Right Out: 11.584 ± 0.105 $\chi^2/\text{NDF}: 7292.9/5$

Left In: 0.006 ± 0.116 $\chi^2/\text{NDF}: 698.4/8$

7.435 ± 0.080 $\chi^2/\text{NDF}: 15069.4/14$

6.347 ± 0.078 $\chi^2/\text{NDF}: 13492.3/14$

reg_asym_sam6_diff_bpm4aX_slope vs slug



Right In: -46.800 $\pm$ 1.209 χ^2/NDF : 185.5/5

Left Out: -47.154 $\pm$ 1.099 χ^2/NDF : 504.0/8

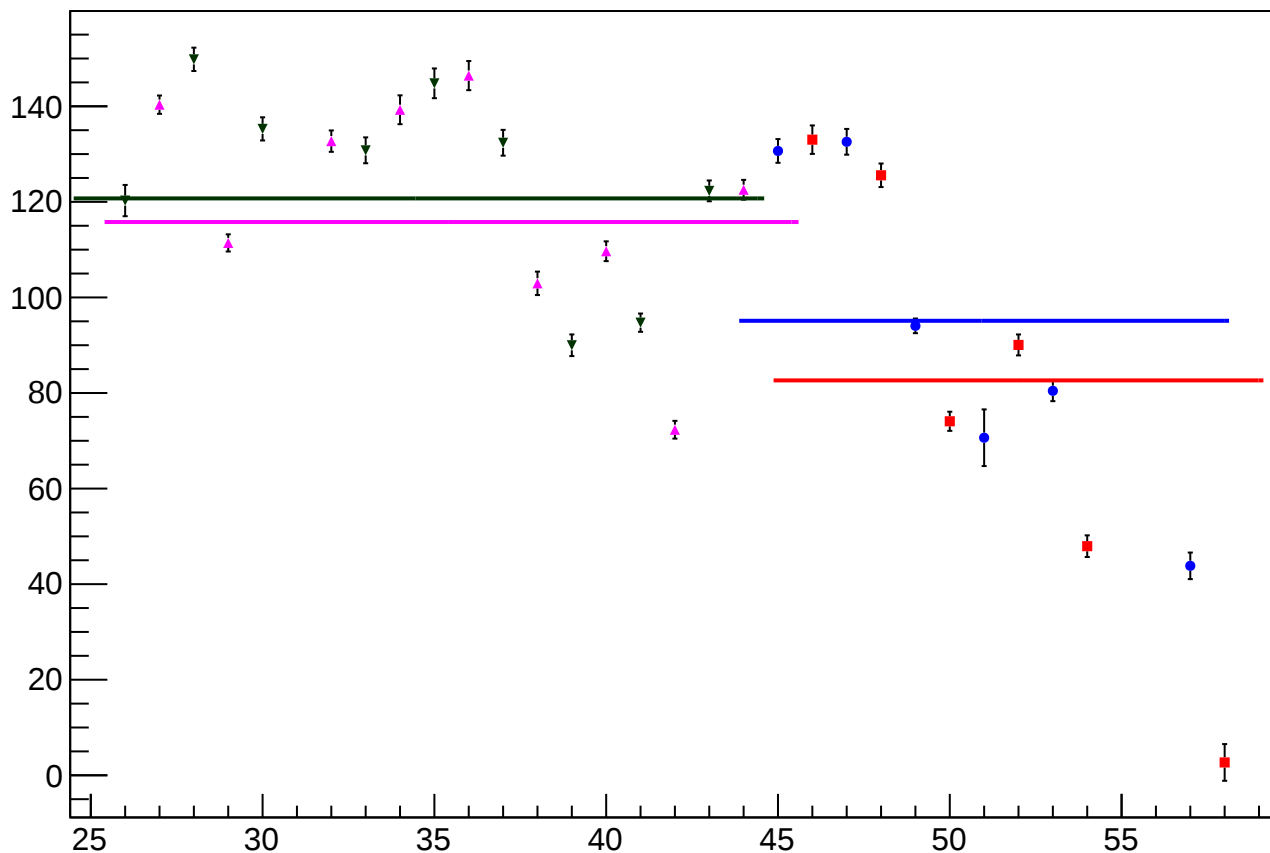
Right Out: -41.965 $\pm$ 1.296 χ^2/NDF : 233.5/5

Left In: -49.010 $\pm$ 0.986 χ^2/NDF : 751.0/8

-46.994 $\pm$ 0.813 χ^2/NDF : 689.5/14

-46.426 $\pm$ 0.785 χ^2/NDF : 1003.2/14

reg_asym_sam6_diff_bpm4aY_slope vs slug



Right In: 95.113+/-0.954 χ^2 /NDF: 801.5/5

Left Out: 120.724+/-0.820 χ^2 /NDF: 639.8/8

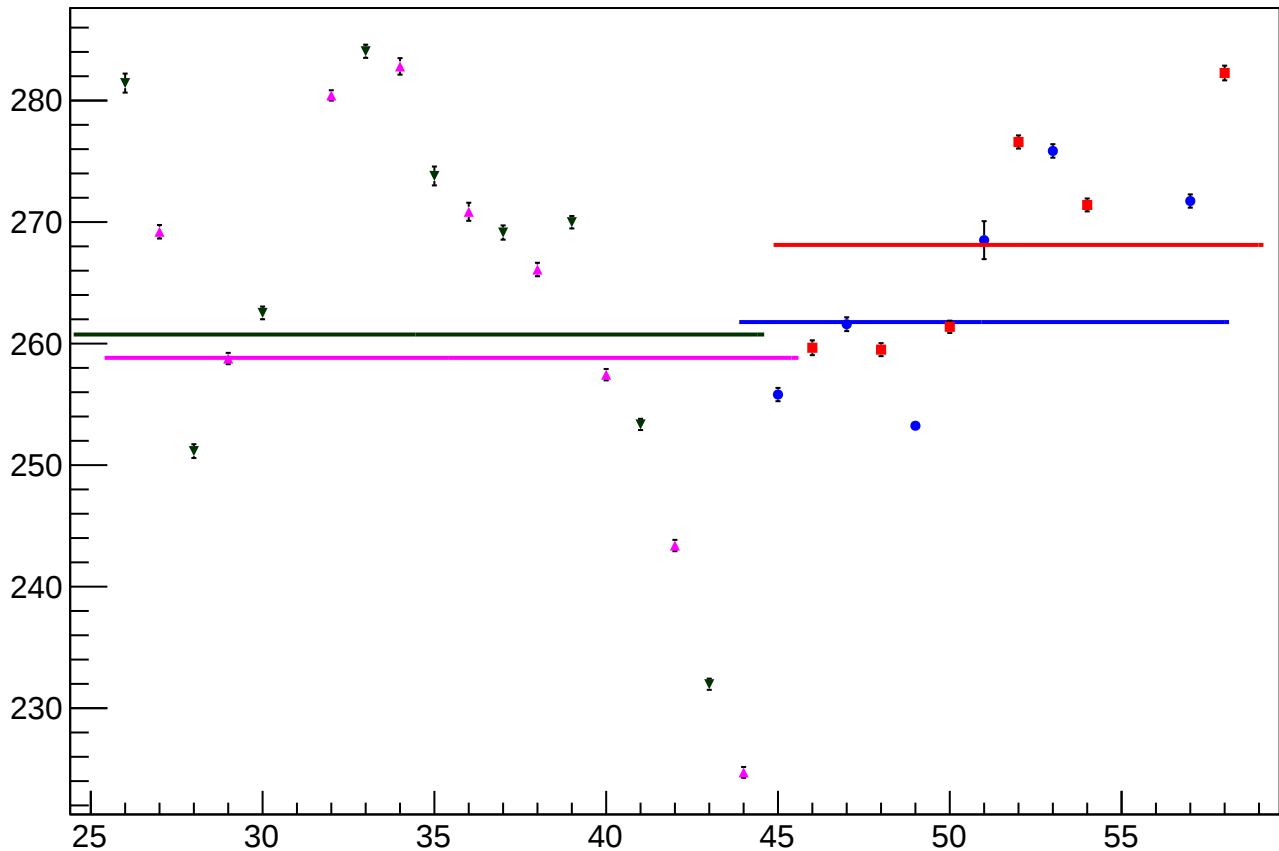
Right Out: 82.639+/-1.002 χ^2 /NDF: 1286.5/5

Left In: 115.784+/-0.721 χ^2 /NDF: 983.2/8

109.846+/-0.622 χ^2 /NDF: 1855.8/14

104.466+/-0.585 χ^2 /NDF: 2990.8/14

reg_asym_sam6_diff_bpm4eX_slope vs slug



Right In: 261.772 ± 0.221 $\chi^2/\text{NDF}: 1625.9/5$

Left Out: 260.747 ± 0.184 $\chi^2/\text{NDF}: 7794.0/8$

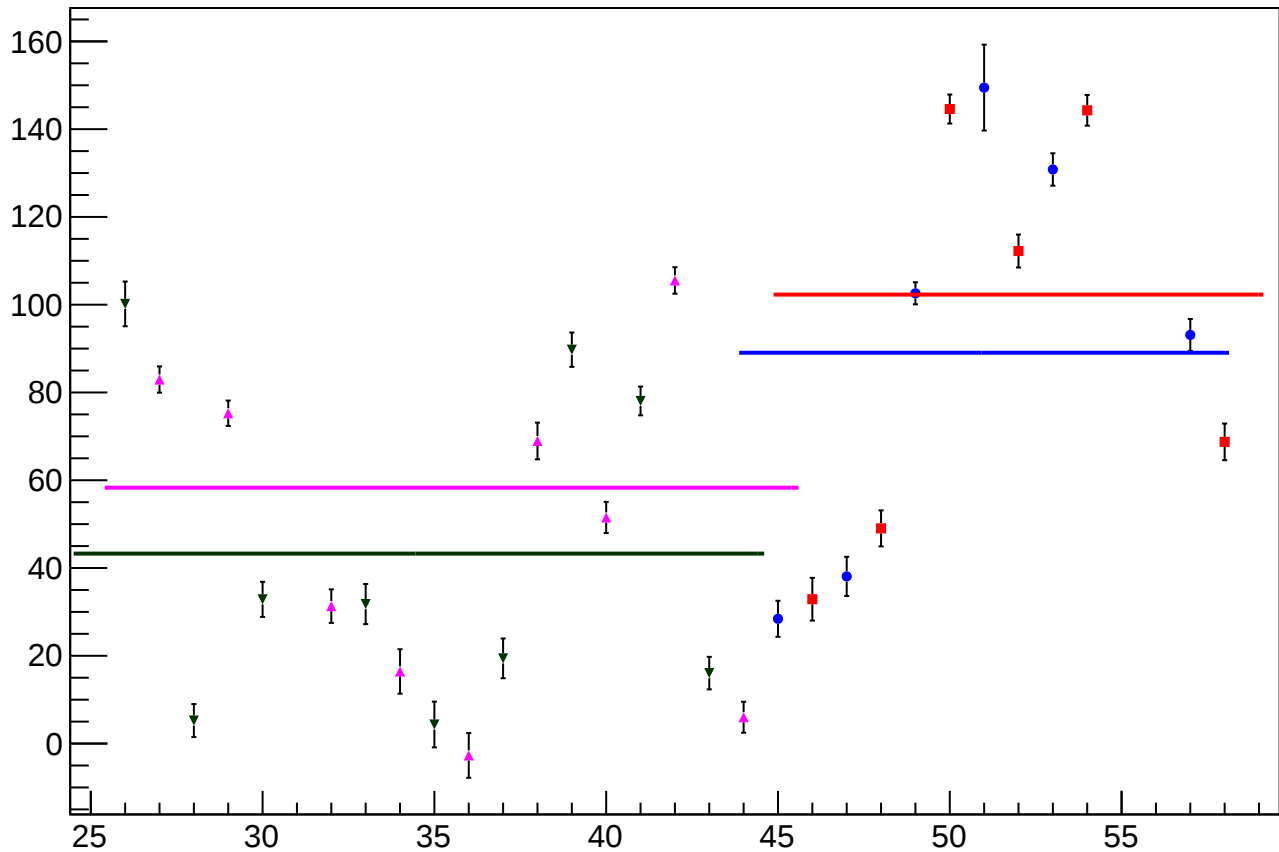
261.168 ± 0.141 $\chi^2/\text{NDF}: 9432.6/14$

Right Out: 268.120 ± 0.225 $\chi^2/\text{NDF}: 1451.0/5$

262.194 ± 0.136 $\chi^2/\text{NDF}: 14079.5/14$

Left In: 258.828 ± 0.170 $\chi^2/\text{NDF}: 11545.2/8$

reg_asym_sam6_diff_bpm4eY_slope vs slug



Right In: 89.052+/-1.531 χ^2/NDF : 544.1/5

Left Out: 43.284+/-1.366 χ^2/NDF : 631.4/8

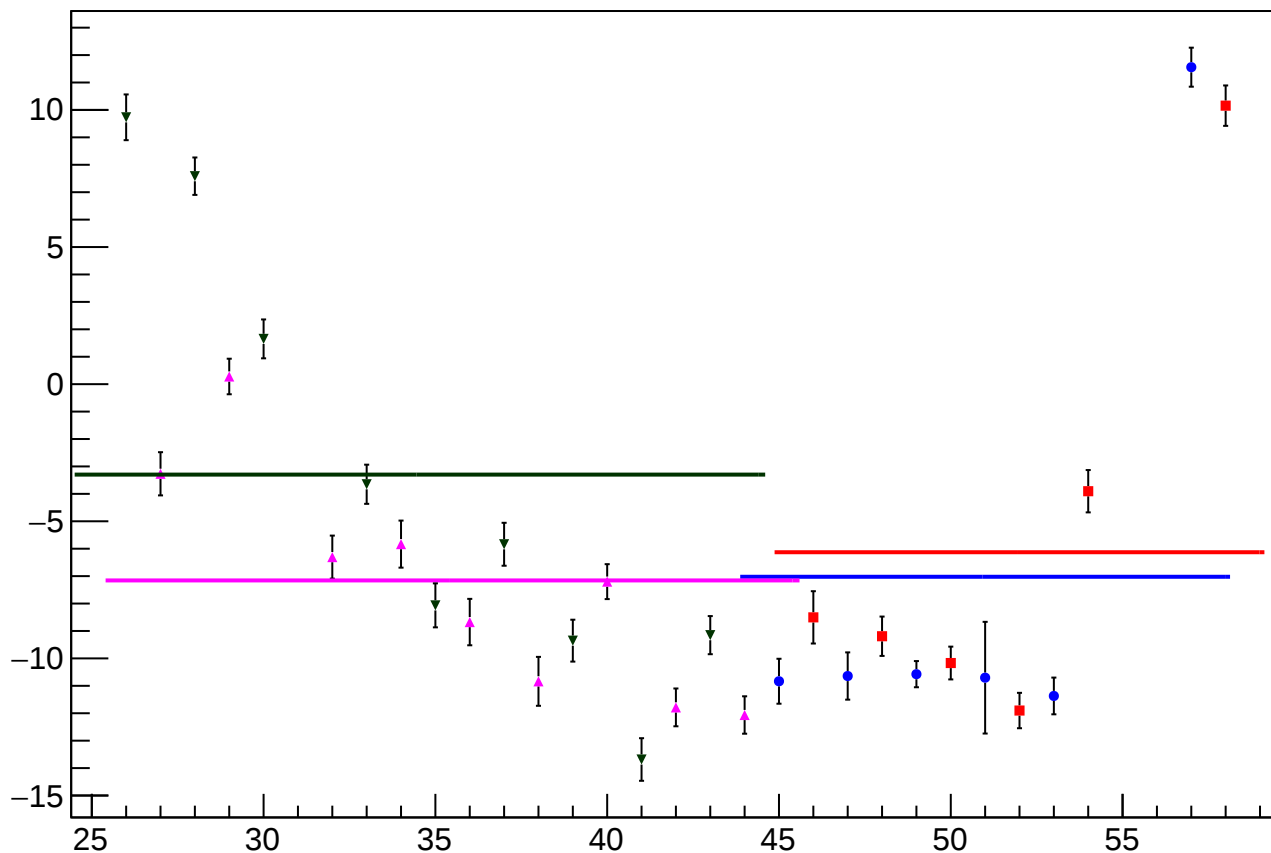
Right Out: 102.304+/-1.574 χ^2/NDF : 751.6/5

Left In: 58.307+/-1.192 χ^2/NDF : 839.3/8

63.568+/-1.019 χ^2/NDF : 1673.3/14

74.345+/-0.950 χ^2/NDF : 2087.4/14

reg_asym_sam6_diff_bpm11X_slope vs slug



Right In: -7.023 ± 0.293 χ^2/NDF : 822.1/5

Left Out: -3.298 ± 0.249 χ^2/NDF : 906.1/8

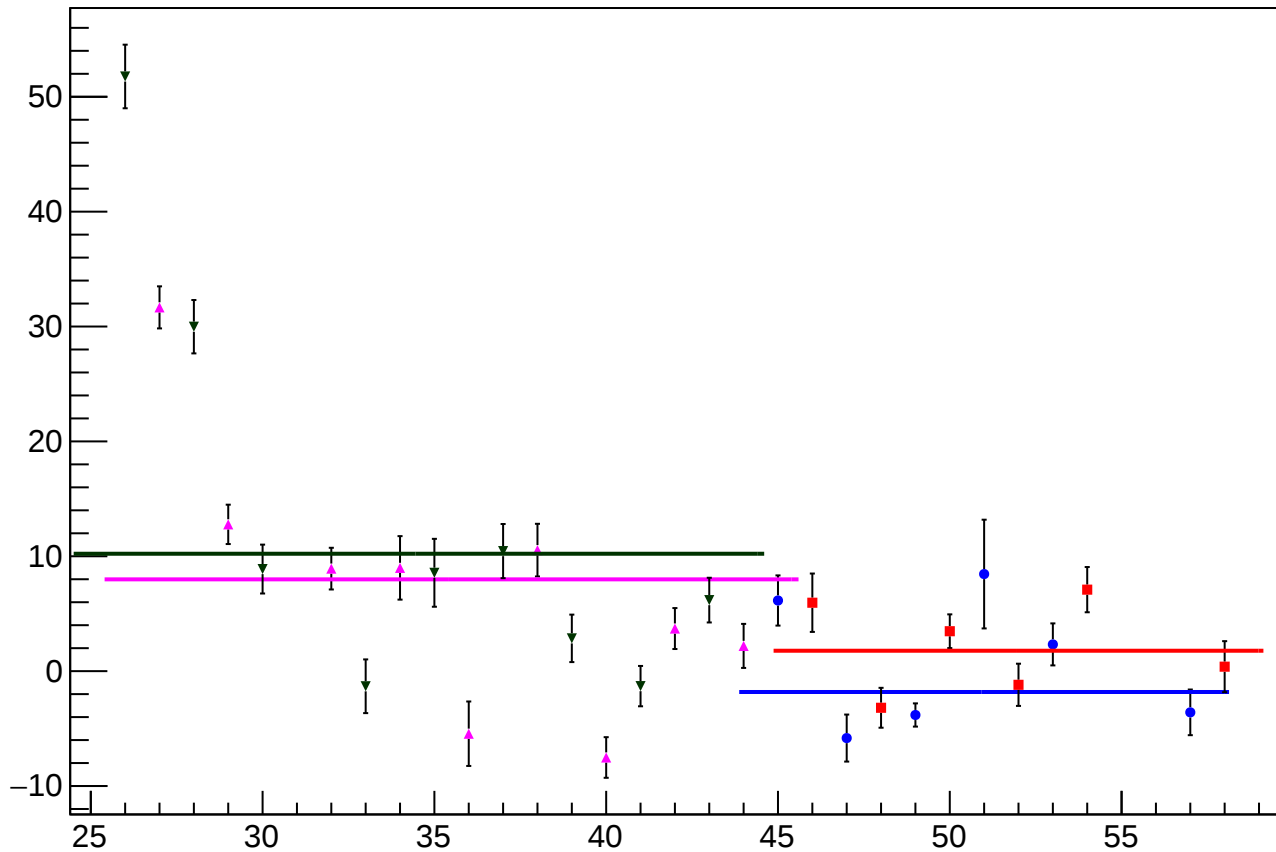
Right Out: -6.129 ± 0.292 χ^2/NDF : 647.0/5

Left In: -7.157 ± 0.247 χ^2/NDF : 276.7/8

-4.860 ± 0.190 χ^2/NDF : 1822.2/14

-6.727 ± 0.189 χ^2/NDF : 930.9/14

reg_asym_sam7_diff_bpm4aX_slope vs slug



Right In: -1.815 ± 0.703 χ^2/NDF : 31.7/5

Left Out: 10.220 ± 0.738 χ^2/NDF : 382.7/8

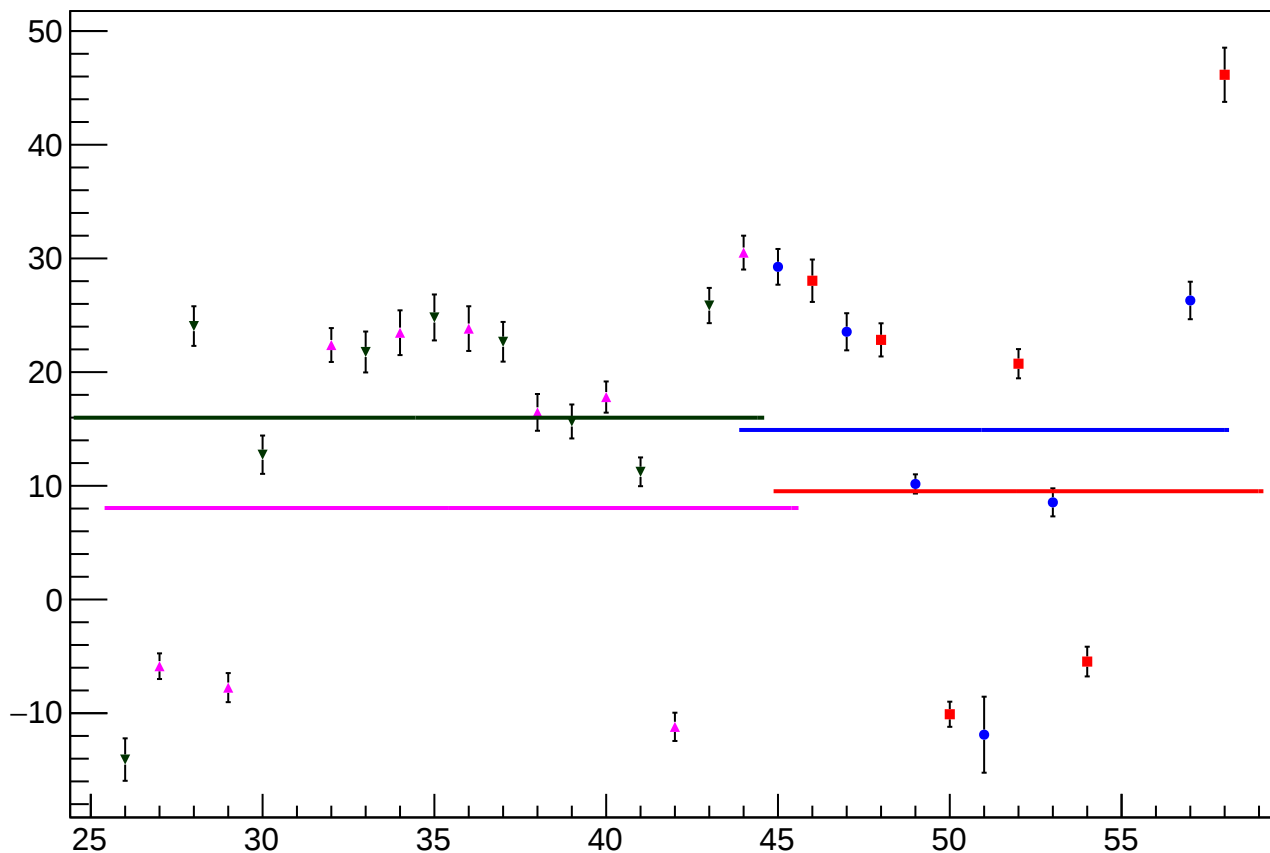
Right Out: 1.777 ± 0.765 χ^2/NDF : 22.5/5

Left In: 7.990 ± 0.660 χ^2/NDF : 291.3/8

3.910 ± 0.509 χ^2/NDF : 553.9/14

5.341 ± 0.500 χ^2/NDF : 351.6/14

reg_asym_sam7_diff_bpm4aY_slope vs slug



Right In: 14.912+/-0.551 χ^2/NDF : 281.5/5

Left Out: 15.992+/-0.547 χ^2/NDF : 383.0/8

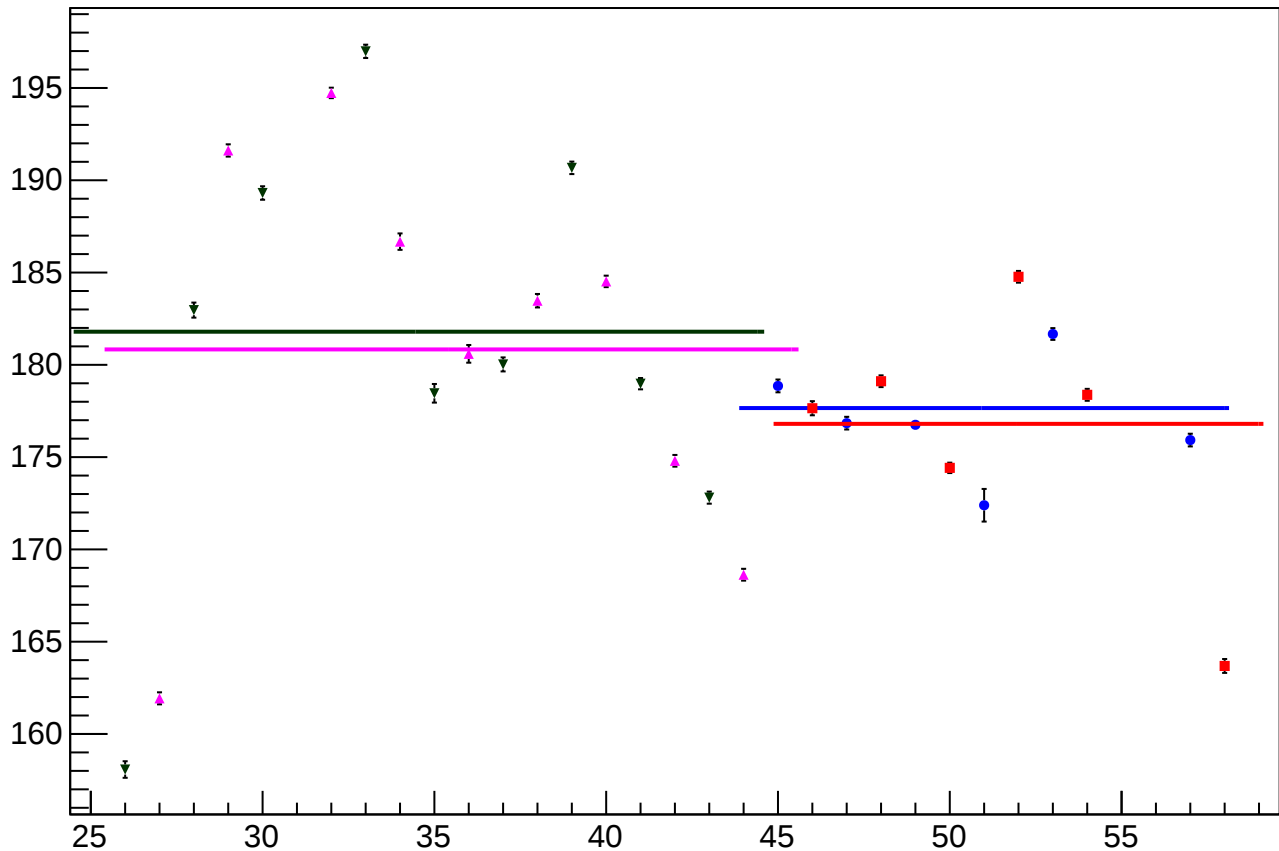
Right Out: 9.524+/-0.583 χ^2/NDF : 940.1/5

Left In: 8.048+/-0.478 χ^2/NDF : 1067.9/8

15.455+/-0.388 χ^2/NDF : 666.5/14

8.641+/-0.370 χ^2/NDF : 2011.8/14

reg_asym_sam7_diff_bpm4eX_slope vs slug



Right In: 177.658 ± 0.130 χ^2/NDF : 255.2/5

Left Out: 181.795 ± 0.123 χ^2/NDF : 6577.2/8

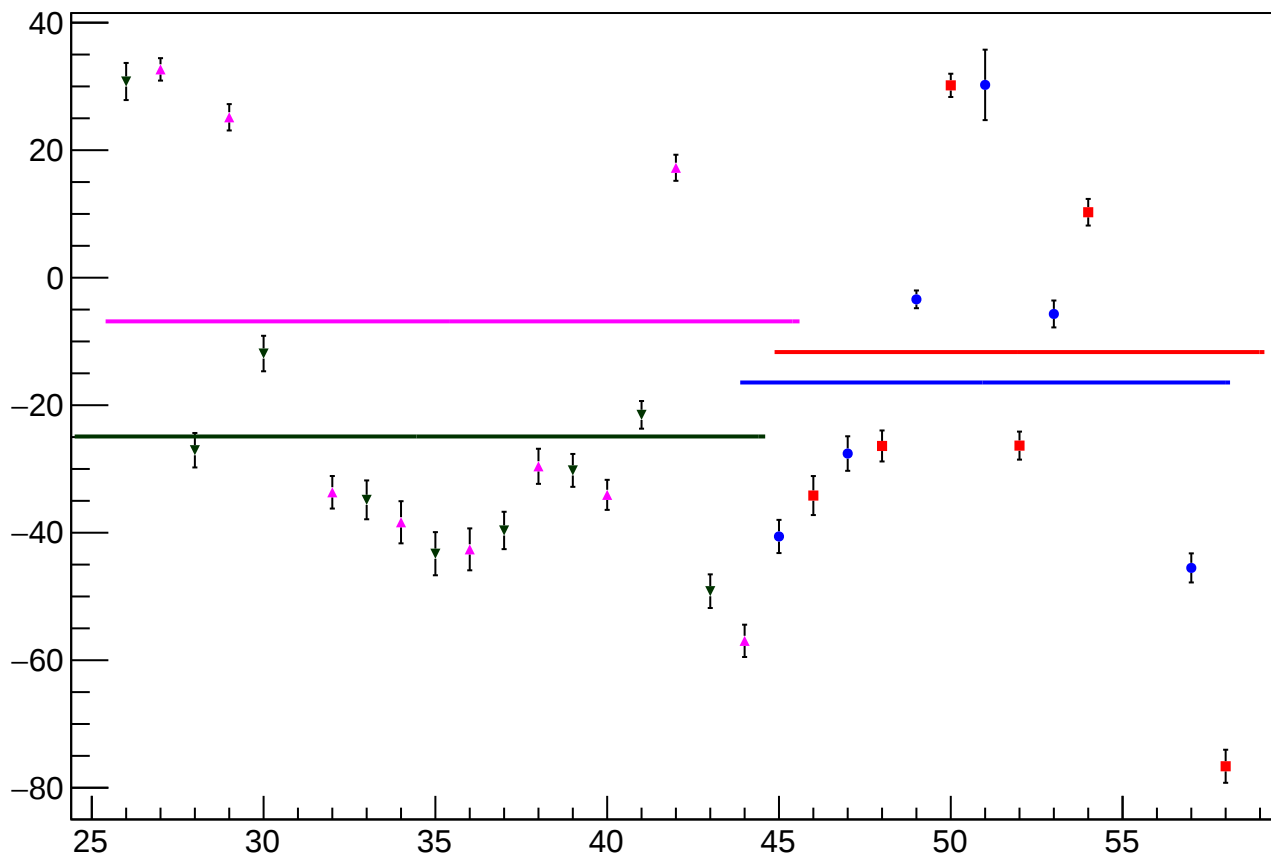
Right Out: 176.802 ± 0.134 χ^2/NDF : 1992.8/5

Left In: 180.835 ± 0.114 χ^2/NDF : 8962.2/8

179.830 ± 0.089 χ^2/NDF : 7365.9/14

179.149 ± 0.087 χ^2/NDF : 11482.7/14

reg_asym_sam7_diff_bpm4eY_slope vs slug



Right In: -16.437 ± 0.895 χ^2/NDF : 450.8/5

Left Out: -24.905 ± 0.912 χ^2/NDF : 545.2/8

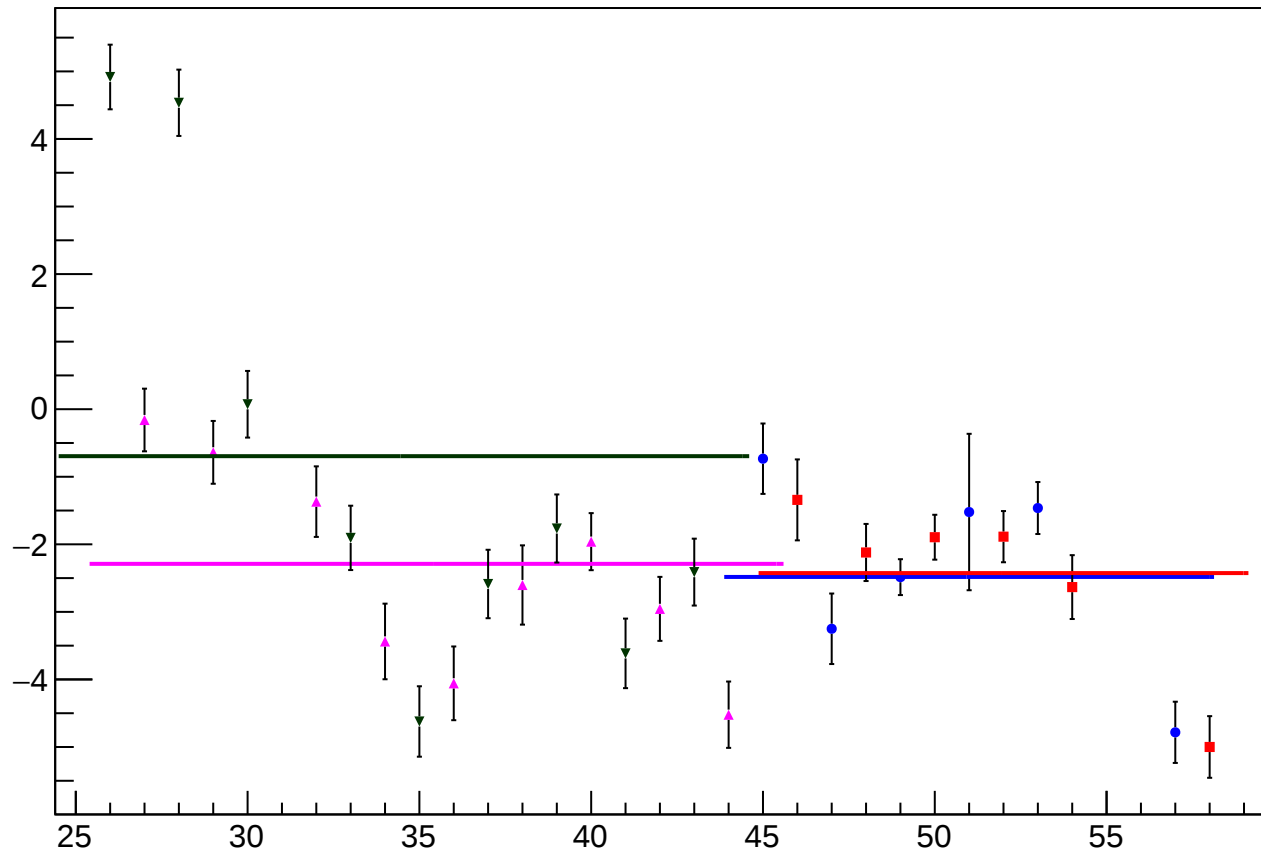
Right Out: -11.665 ± 0.928 χ^2/NDF : 1399.6/5

Left In: -6.851 ± 0.790 χ^2/NDF : 1794.2/8

-20.588 ± 0.639 χ^2/NDF : 1039.9/14

-8.875 ± 0.602 χ^2/NDF : 3209.4/14

reg_asym_sam7_diff_bpm11X_slope vs slug



Right In: -2.483 ± 0.172 $\chi^2/\text{NDF}: 46.9/5$

Left Out: -0.695 ± 0.166 $\chi^2/\text{NDF}: 379.5/8$

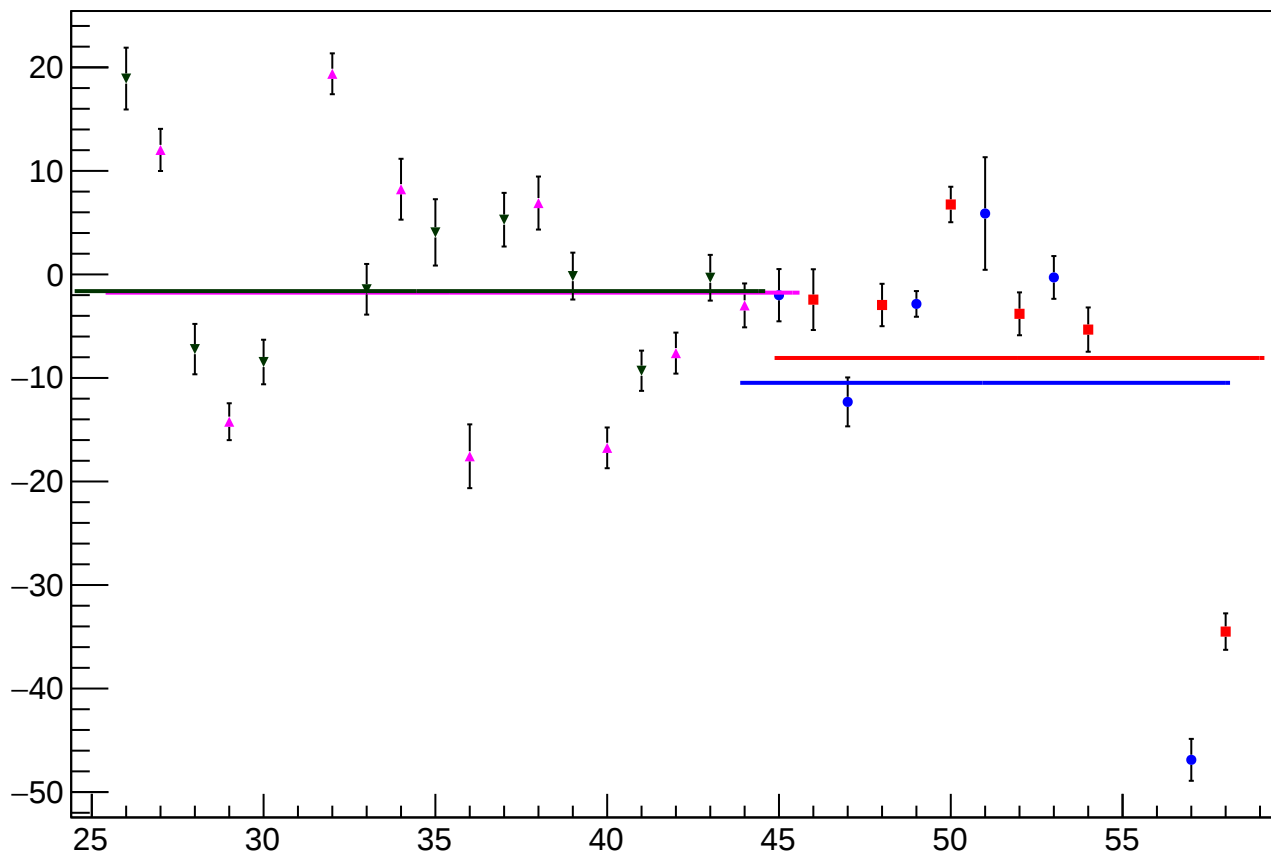
Right Out: -2.426 ± 0.172 $\chi^2/\text{NDF}: 40.4/5$

Left In: -2.289 ± 0.165 $\chi^2/\text{NDF}: 75.1/8$

-1.557 ± 0.119 $\chi^2/\text{NDF}: 482.5/14$

-2.355 ± 0.119 $\chi^2/\text{NDF}: 115.8/14$

reg_asym_sam8_diff_bpm4aX_slope vs slug



Right In: -10.471 ± 0.817 $\chi^2/\text{NDF}: 406.6/5$

Left Out: -1.613 ± 0.797 $\chi^2/\text{NDF}: 89.4/8$

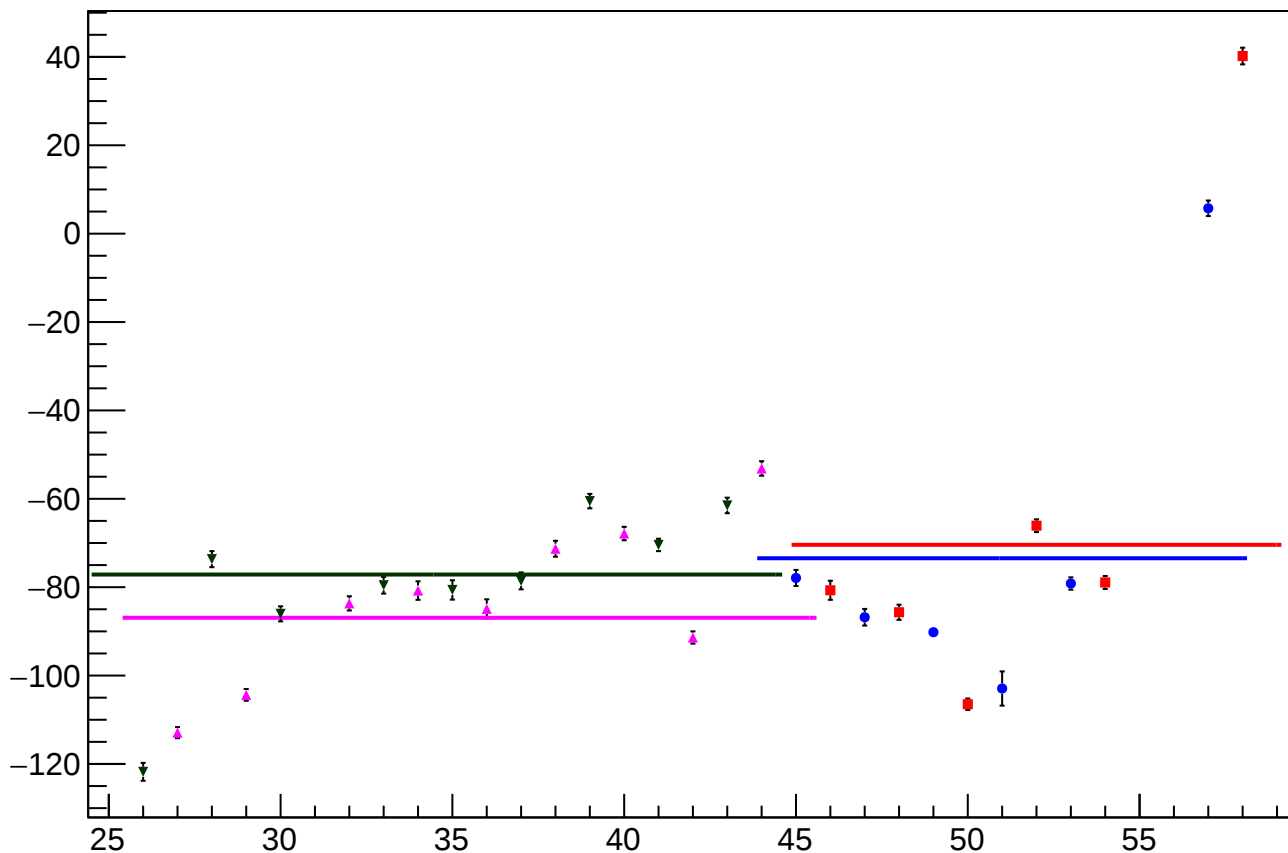
Right Out: -8.071 ± 0.825 $\chi^2/\text{NDF}: 315.9/5$

Left In: -1.762 ± 0.721 $\chi^2/\text{NDF}: 326.0/8$

-5.930 ± 0.570 $\chi^2/\text{NDF}: 556.3/14$

-4.495 ± 0.543 $\chi^2/\text{NDF}: 675.1/14$

reg_asym_sam8_diff_bpm4aY_slope vs slug



Right In: -73.452 ± 0.644 χ^2/NDF : 2410.3/5

Left Out: -77.138 ± 0.592 χ^2/NDF : 725.4/8

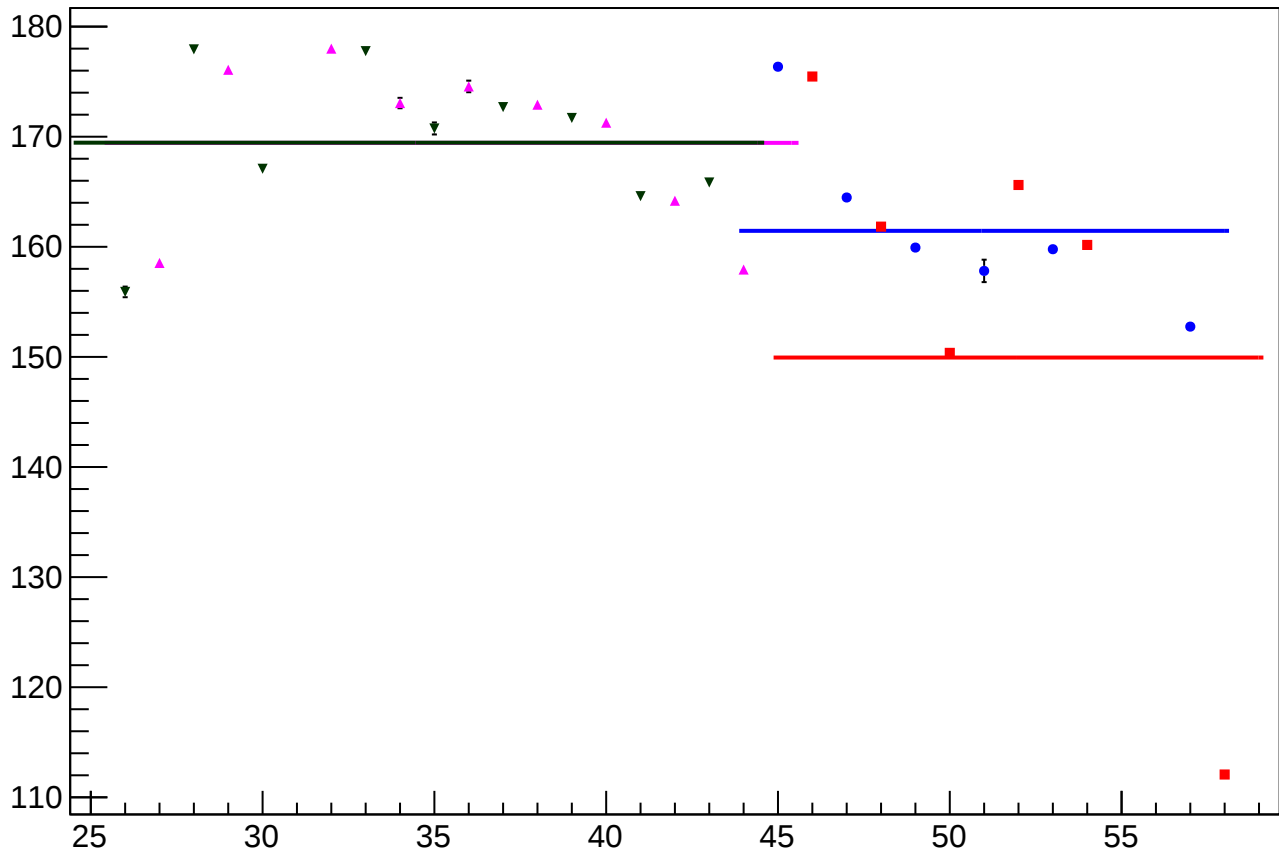
Right Out: -70.414 ± 0.649 χ^2/NDF : 4334.8/5

Left In: -86.925 ± 0.524 χ^2/NDF : 1273.0/8

-75.450 ± 0.436 χ^2/NDF : 3153.4/14

-80.405 ± 0.408 χ^2/NDF : 5999.5/14

reg_asym_sam8_diff_bpm4eX_slope vs slug



Right In: 161.450±0.149 χ^2/NDF : 2130.7/5

Left Out: 169.458±0.133 χ^2/NDF :2105.9/8

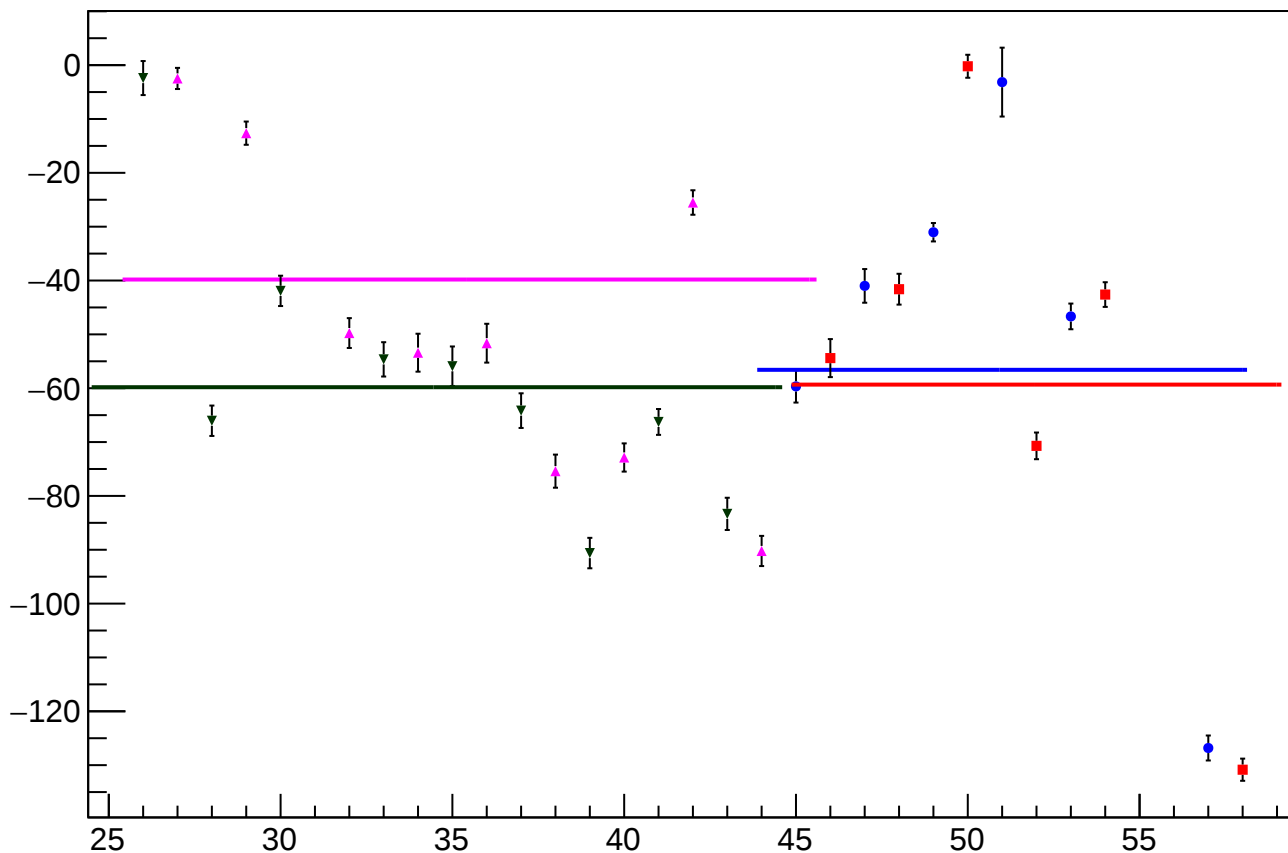
165.909±0.099 χ^2/NDF : 5837.2/14

Right Out: 149.942±0.143 χ^2/NDF : 23198.0/5

161.089±0.094 χ^2/NDF : 37354.8/14

Left In: 169.441±0.124 χ^2/NDF :3580.5/8

reg_asym_sam8_diff_bpm4eY_slope vs slug



Right In: -56.584±/1.031 χ^2/NDF : 1253.1/5

Left Out: -59.812±/0.985 χ^2/NDF : 568.6/8

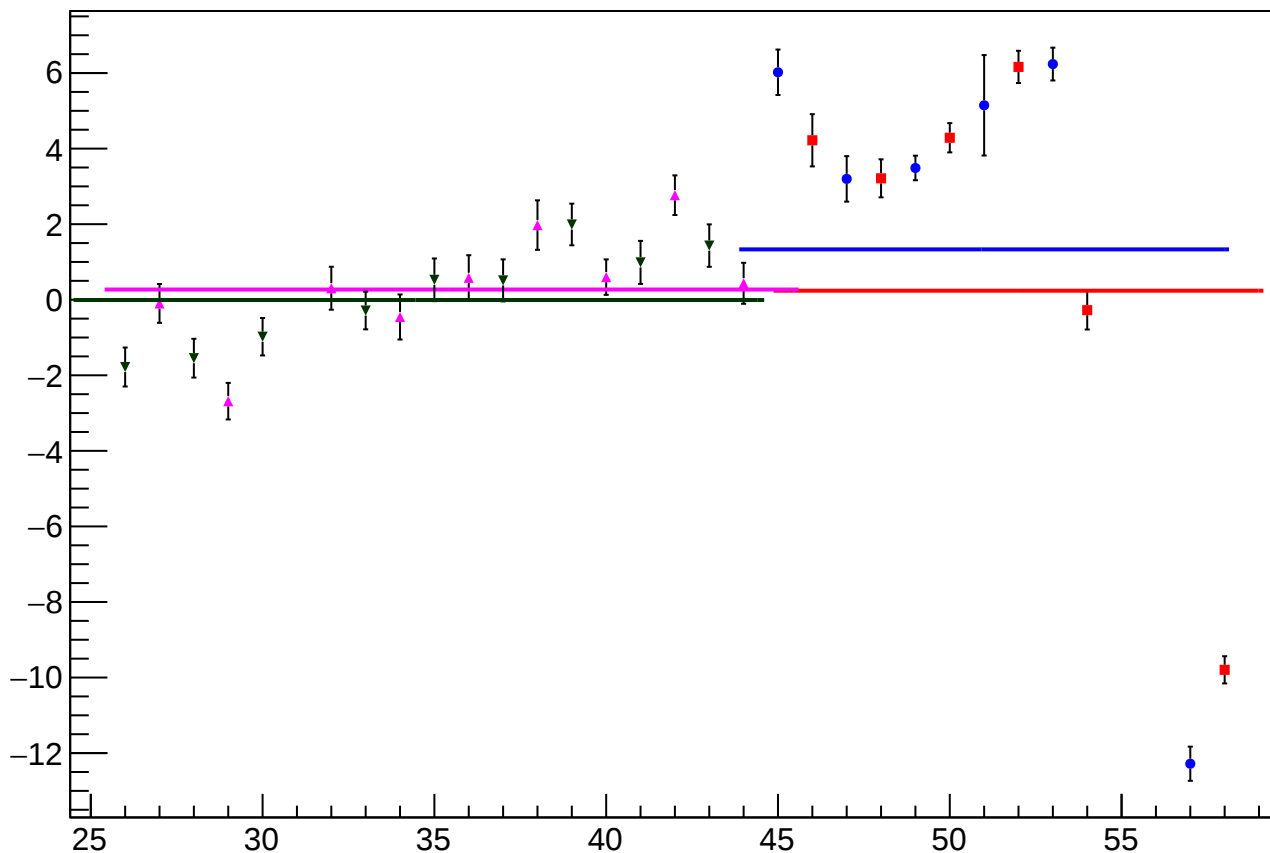
Right Out: -59.330±/0.994 χ^2/NDF : 2088.8/5

Left In: -39.815±/0.866 χ^2/NDF : 1214.9/8

-58.272±/0.712 χ^2/NDF : 1826.8/14

-48.229±/0.653 χ^2/NDF : 3522.7/14

reg_asym_sam8_diff_bpm11X_slope vs slug



Right In: 1.333+/-0.197 χ^2/NDF : 1158.5/5

Left Out: -0.008+/-0.178 χ^2/NDF : 49.6/8

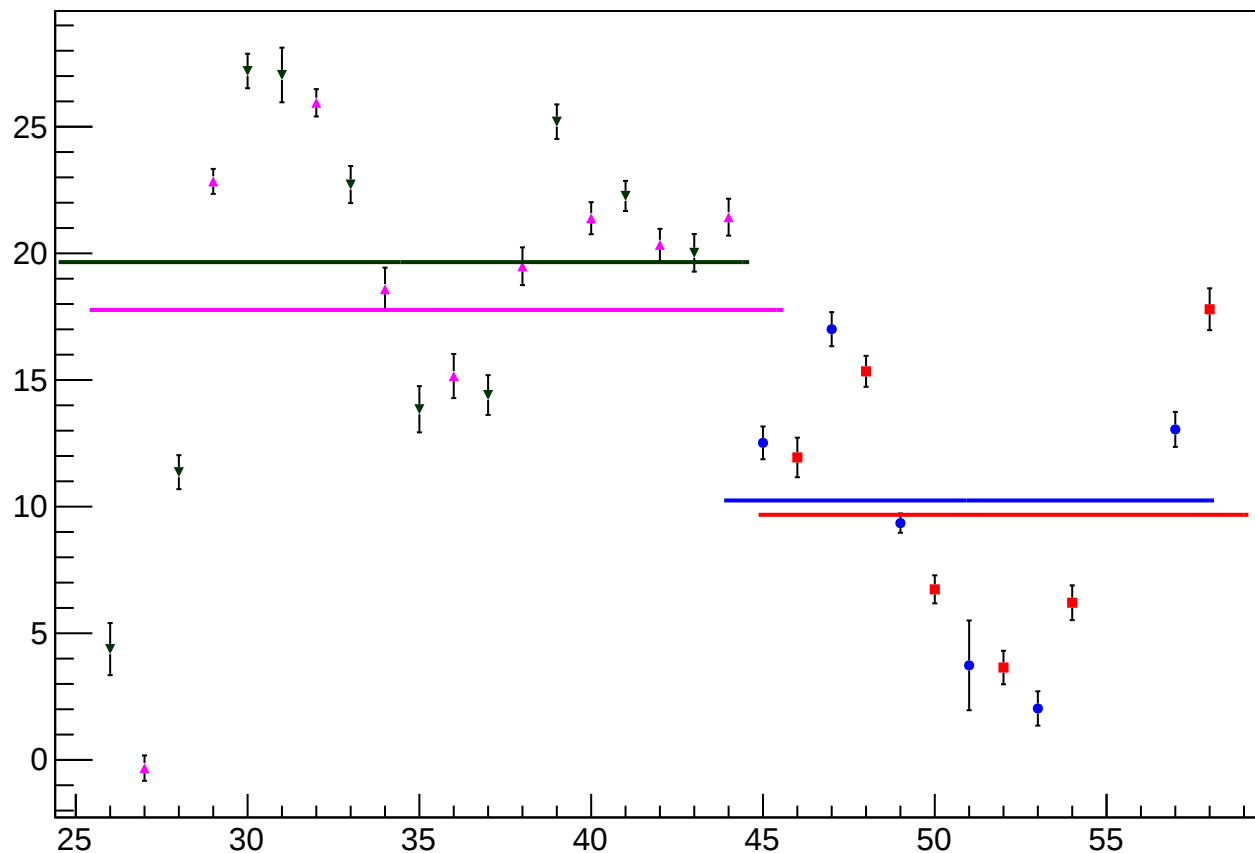
Right Out: 0.239+/-0.183 χ^2/NDF : 1150.1/5

Left In: 0.270+/-0.181 χ^2/NDF : 69.6/8

0.595+/-0.132 χ^2/NDF : 1233.6/14

0.255+/-0.129 χ^2/NDF : 1219.8/14

reg_asym_usl_diff_bpm4aX_slope vs slug



Right In: 10.244 $\pm$ 0.249 χ^2/NDF : 296.0/5

Left Out: 19.654 $\pm$ 0.238 χ^2/NDF : 731.5/9

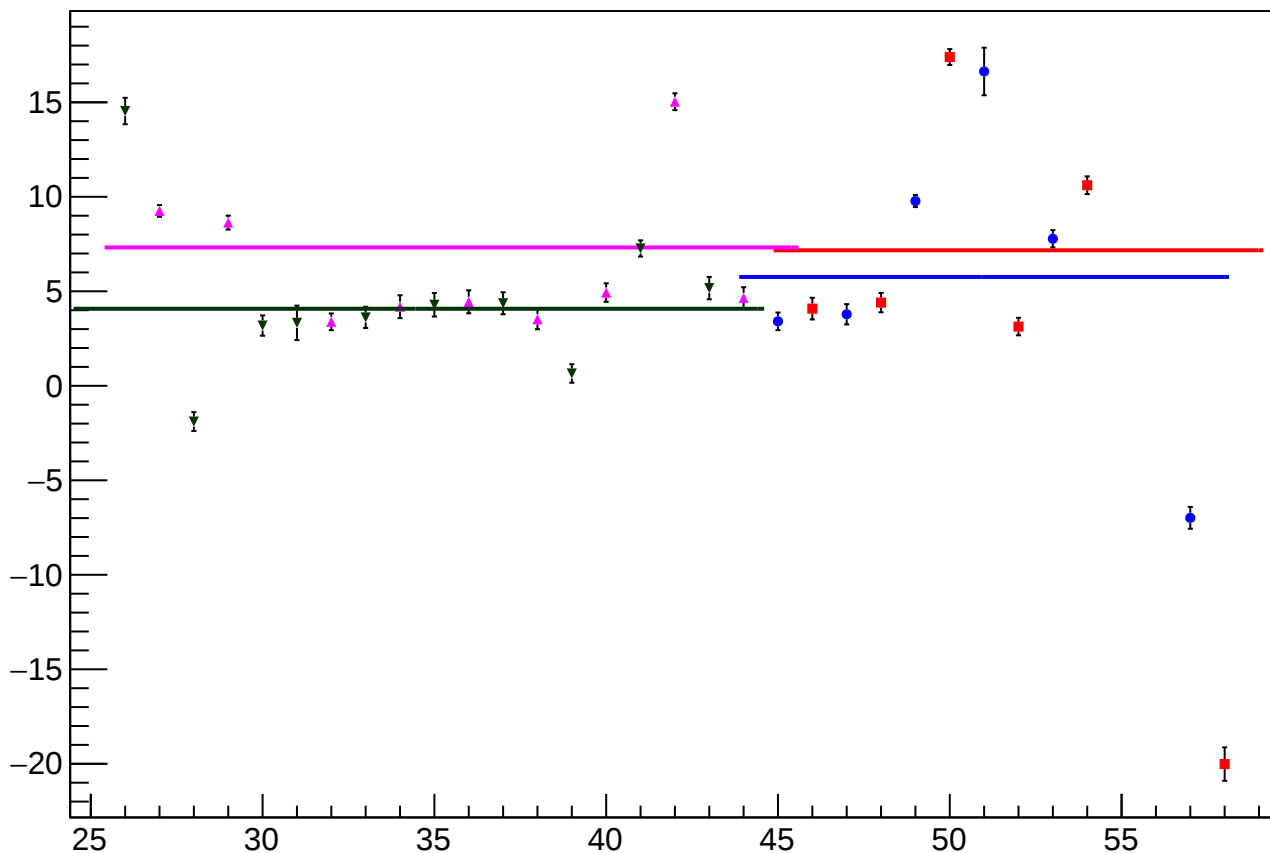
Right Out: 9.679 $\pm$ 0.273 χ^2/NDF : 327.9/5

Left In: 17.765 $\pm$ 0.209 χ^2/NDF : 1728.2/8

15.169 $\pm$ 0.172 χ^2/NDF : 1773.4/15

14.772 $\pm$ 0.166 χ^2/NDF : 2610.3/14

reg_asym_usl_diff_bpm4aY_slope vs slug



Right In: 5.759 $\pm$ 0.195 χ^2 /NDF: 779.1/5

Left Out: 4.077 $\pm$ 0.177 χ^2 /NDF: 478.1/9

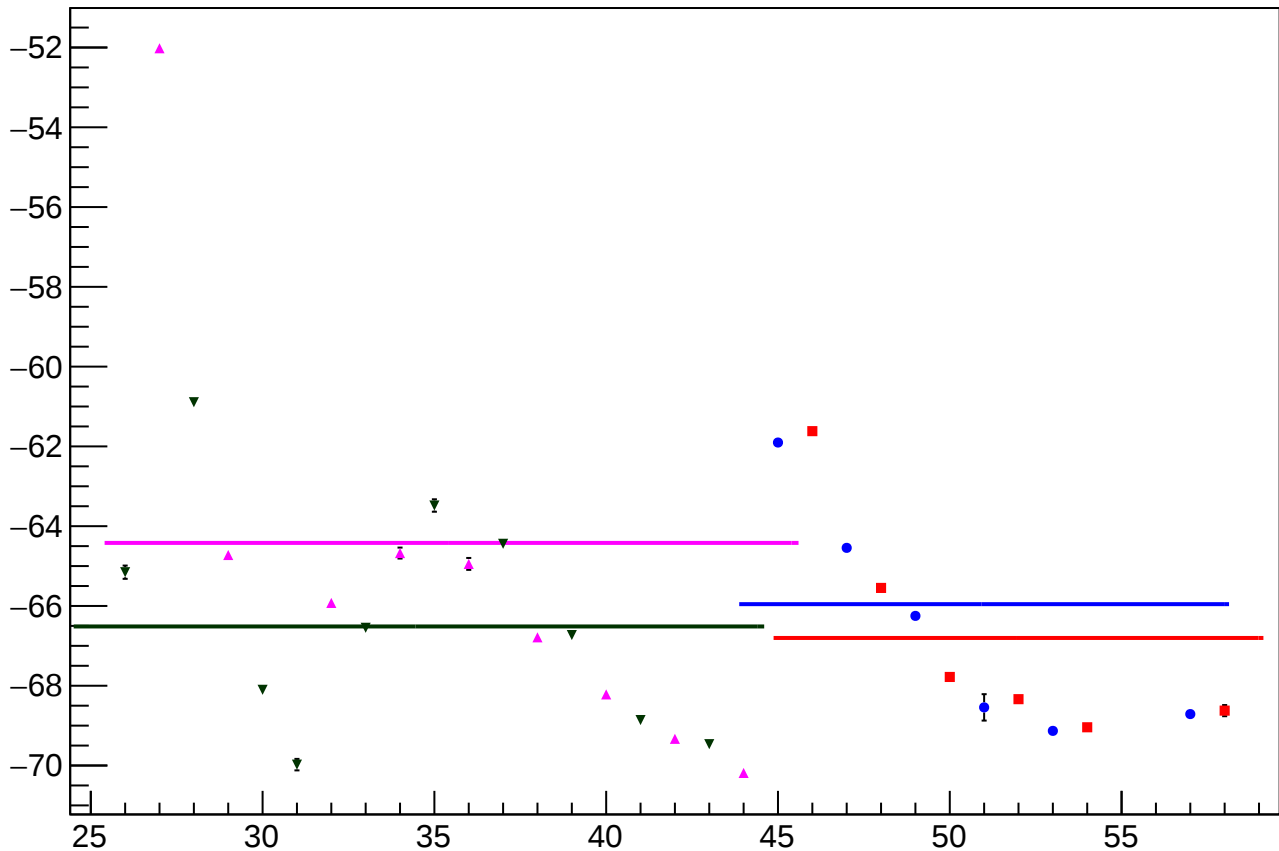
Right Out: 7.170 $\pm$ 0.208 χ^2 /NDF: 1722.3/5

Left In: 7.322 $\pm$ 0.150 χ^2 /NDF: 577.2/8

4.838 $\pm$ 0.131 χ^2 /NDF: 1298.0/15

7.270 $\pm$ 0.122 χ^2 /NDF: 2299.8/14

reg_asym_usl_diff_bpm4eX_slope vs slug



Right In: -65.955 ± 0.045 χ^2/NDF : 3015.3/5

Left Out: -66.514 ± 0.039 χ^2/NDF : 4814.8/9

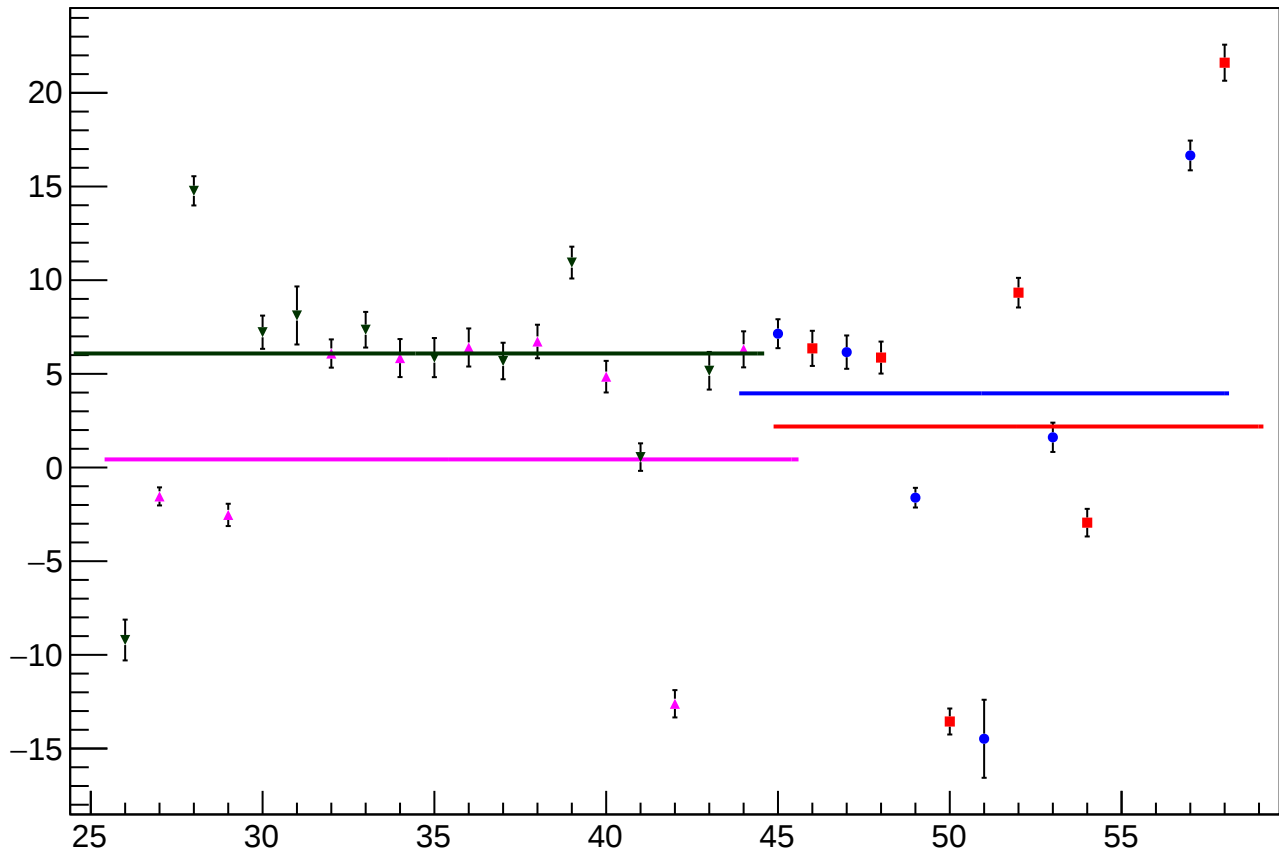
Right Out: -66.802 ± 0.047 χ^2/NDF : 2884.0/5

Left In: -64.419 ± 0.036 χ^2/NDF : 25022.3/8

-66.274 ± 0.030 χ^2/NDF : 7916.8/15

-65.296 ± 0.029 χ^2/NDF : 29512.1/14

reg_asym_usl_diff_bpm4eY_slope vs slug



Right In: 3.958 ± 0.316 χ^2/NDF : 478.6/5

Left Out: 6.087 ± 0.295 χ^2/NDF : 416.6/9

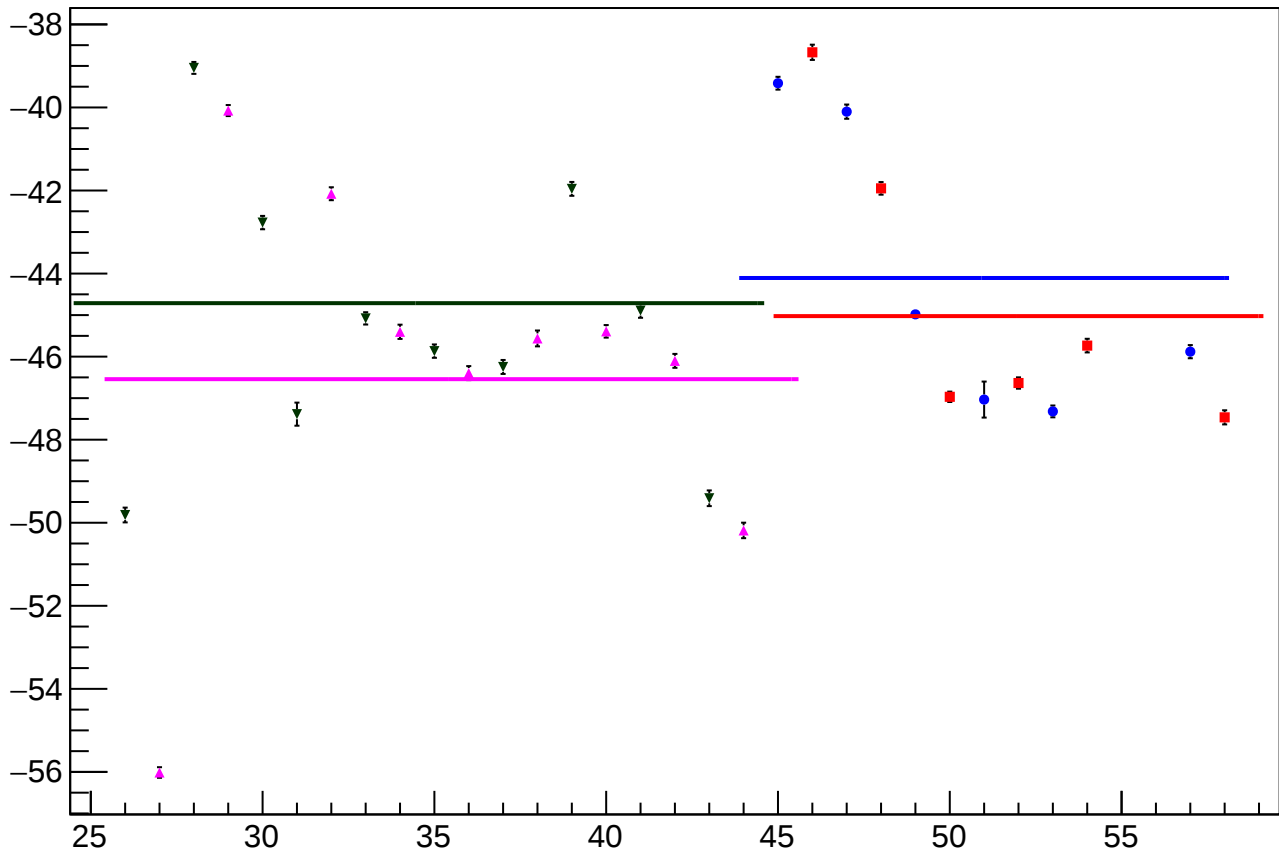
Right Out: 2.189 ± 0.331 χ^2/NDF : 1091.0/5

Left In: 0.433 ± 0.247 χ^2/NDF : 594.7/8

5.095 ± 0.216 χ^2/NDF : 919.5/15

1.059 ± 0.198 χ^2/NDF : 1703.8/14

reg_asym_usl_diff_bpm11X_slope vs slug



Right In: -44.106+/-0.061 χ^2/NDF : 2221.2/5

Left Out: -44.712+/-0.054 χ^2/NDF : 3648.7/9

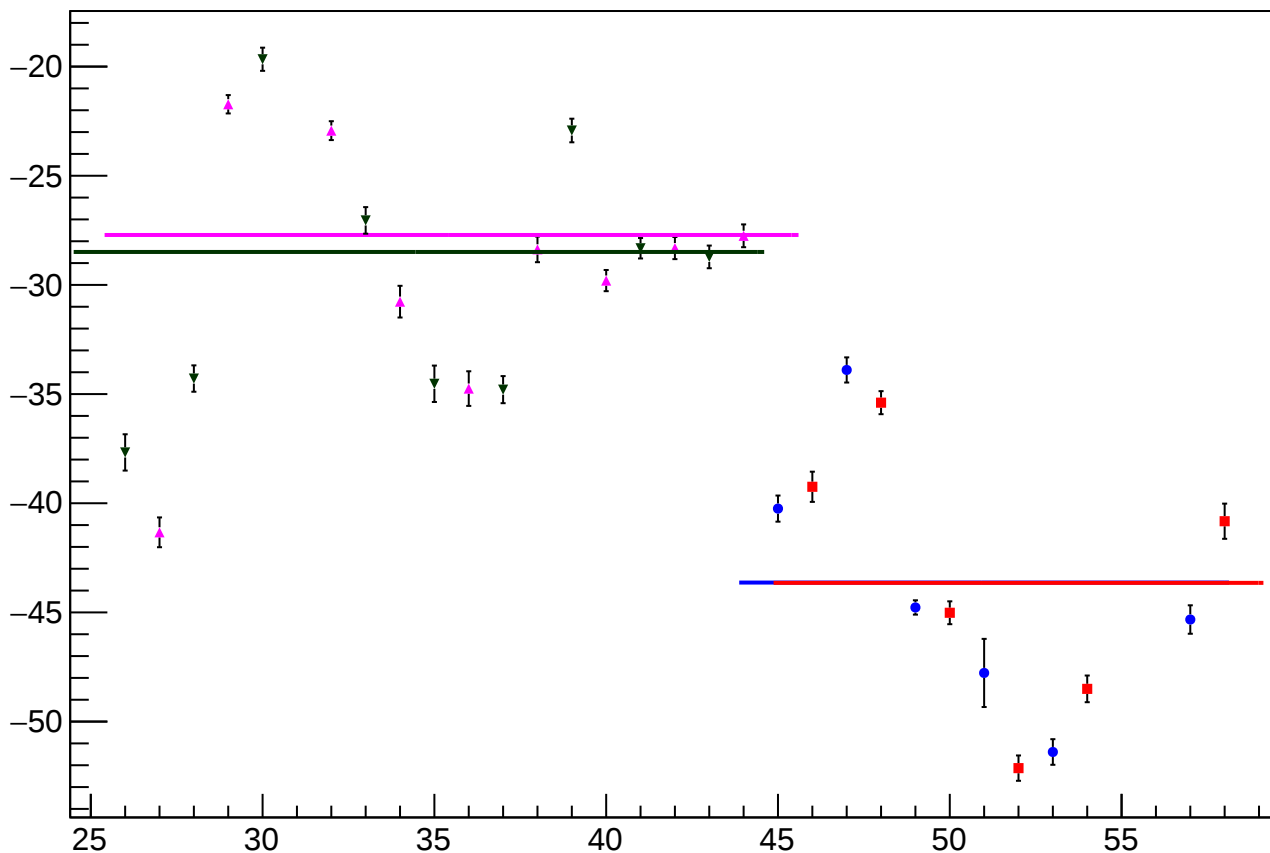
Right Out: -45.024+/-0.062 χ^2/NDF : 2208.1/5

Left In: -46.543+/-0.052 χ^2/NDF : 9214.1/8

-44.447+/-0.040 χ^2/NDF : 5925.8/15

-45.907+/-0.040 χ^2/NDF : 11773.2/14

reg_asym_usr_diff_bpm4aX_slope vs slug



Right In: -43.633±/0.220 χ^2/NDF : 518.5/5

Left Out: -28.490±/0.195 χ^2/NDF : 758.4/8

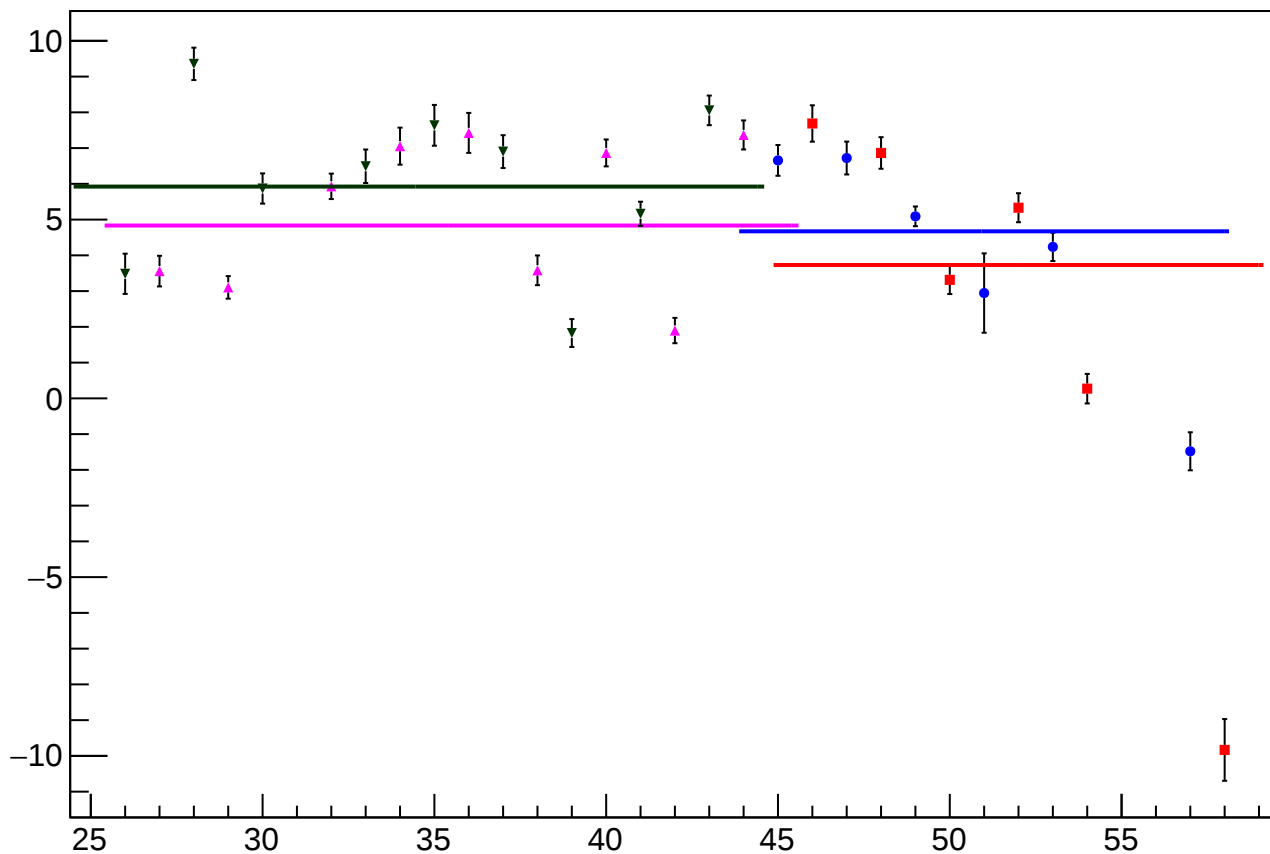
Right Out: -43.647±/0.246 χ^2/NDF : 581.4/5

Left In: -27.713±/0.179 χ^2/NDF : 841.0/8

-35.188±/0.146 χ^2/NDF : 3930.9/14

-33.213±/0.145 χ^2/NDF : 4168.8/14

reg_asym_usr_diff_bpm4aY_slope vs slug



Right In: 4.672 ± 0.172 $\chi^2/\text{NDF}: 180.9/5$

Left Out: 5.923 ± 0.146 $\chi^2/\text{NDF}: 233.4/8$

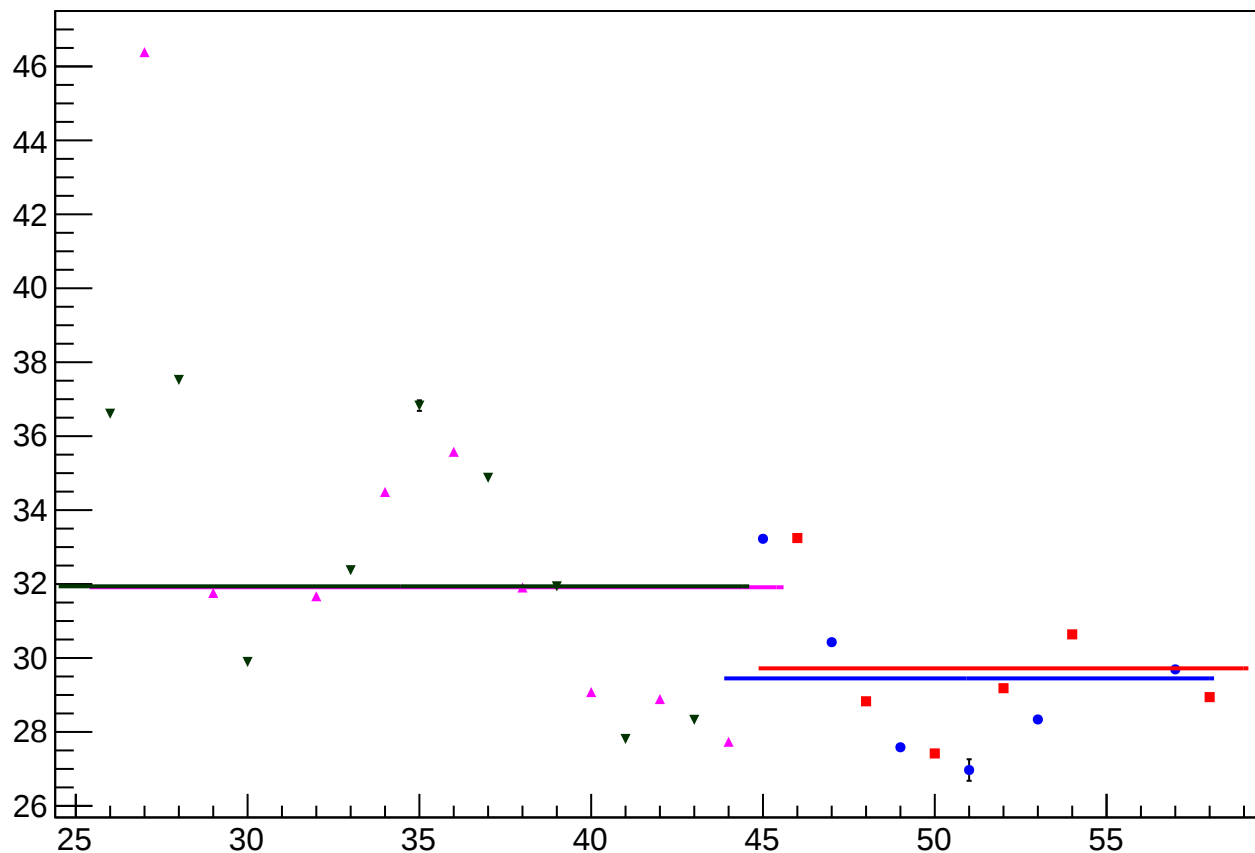
Right Out: 3.730 ± 0.187 $\chi^2/\text{NDF}: 444.6/5$

Left In: 4.834 ± 0.132 $\chi^2/\text{NDF}: 234.0/8$

5.400 ± 0.111 $\chi^2/\text{NDF}: 445.1/14$

4.465 ± 0.108 $\chi^2/\text{NDF}: 701.8/14$

reg_asym_usr_diff_bpm4eX_slope vs slug



Right In: 29.449 $\pm$ 0.040 χ^2/NDF : 2630.9/5

Left Out: 31.939 $\pm$ 0.033 χ^2/NDF : 10847.9/8

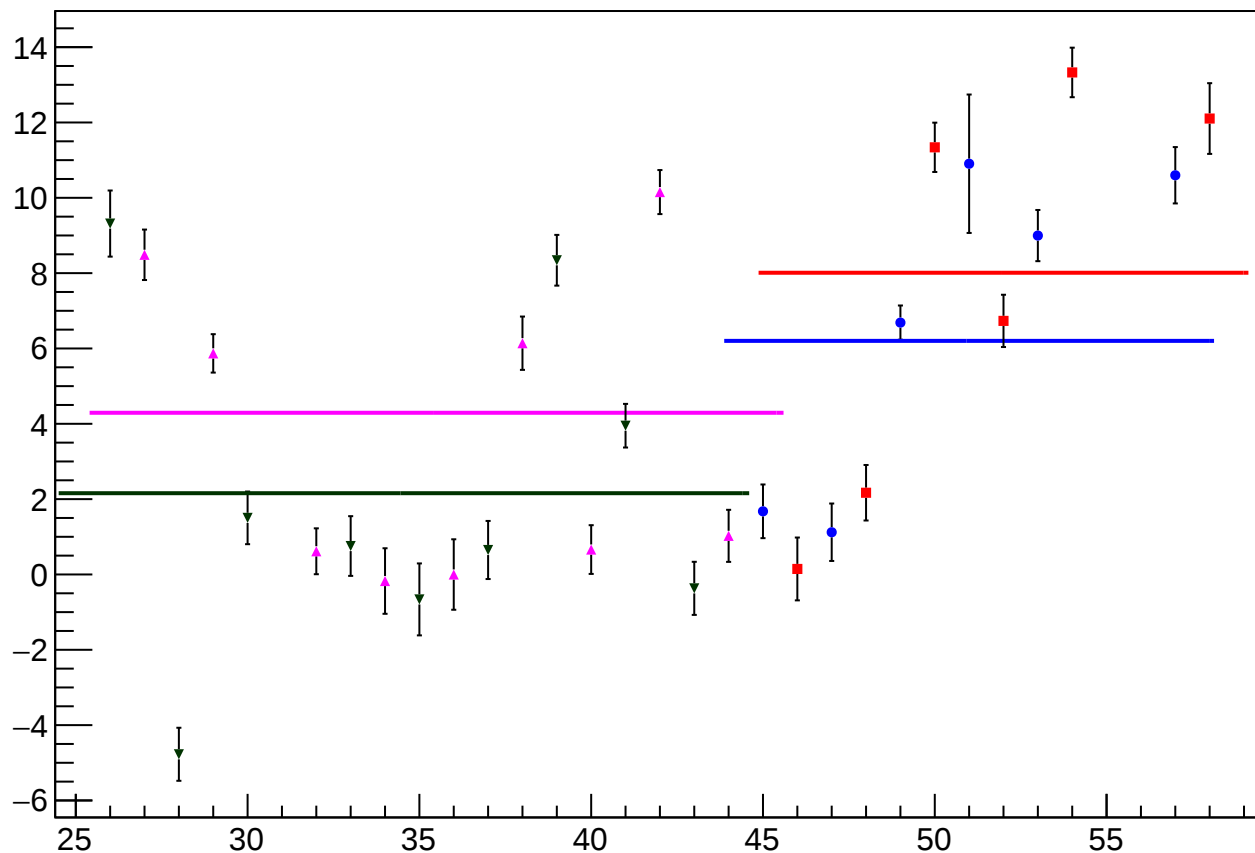
Right Out: 29.720 $\pm$ 0.042 χ^2/NDF : 1906.1/5

Left In: 31.913 $\pm$ 0.031 χ^2/NDF : 20133.4/8

30.949 $\pm$ 0.025 χ^2/NDF : 15797.8/14

31.163 $\pm$ 0.025 χ^2/NDF : 23800.5/14

reg_asym_usr_diff_bpm4eY_slope vs slug



Right In: 6.202 $\pm$ 0.280 χ^2 /NDF: 143.9/5

Left Out: 2.158 $\pm$ 0.243 χ^2 /NDF: 286.7/8

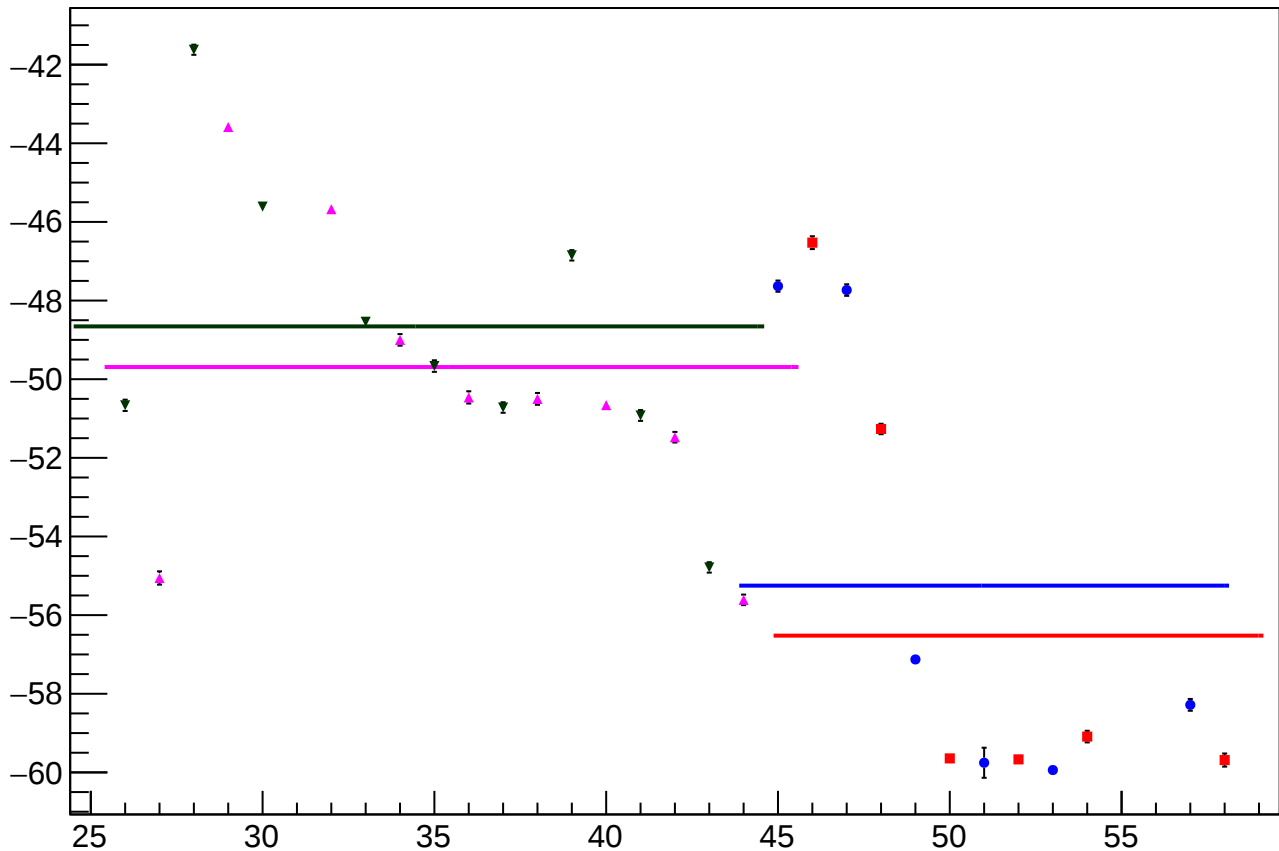
Right Out: 8.011 $\pm$ 0.300 χ^2 /NDF: 265.3/5

Left In: 4.293 $\pm$ 0.220 χ^2 /NDF: 293.8/8

3.898 $\pm$ 0.183 χ^2 /NDF: 549.7/14

5.596 $\pm$ 0.177 χ^2 /NDF: 659.1/14

reg_asym_usr_diff_bpm11X_slope vs slug



Right In: -55.250±/-0.054 χ^2/NDF : 7931.1/5

Left Out: -48.657±/-0.044 χ^2/NDF : 6659.9/8

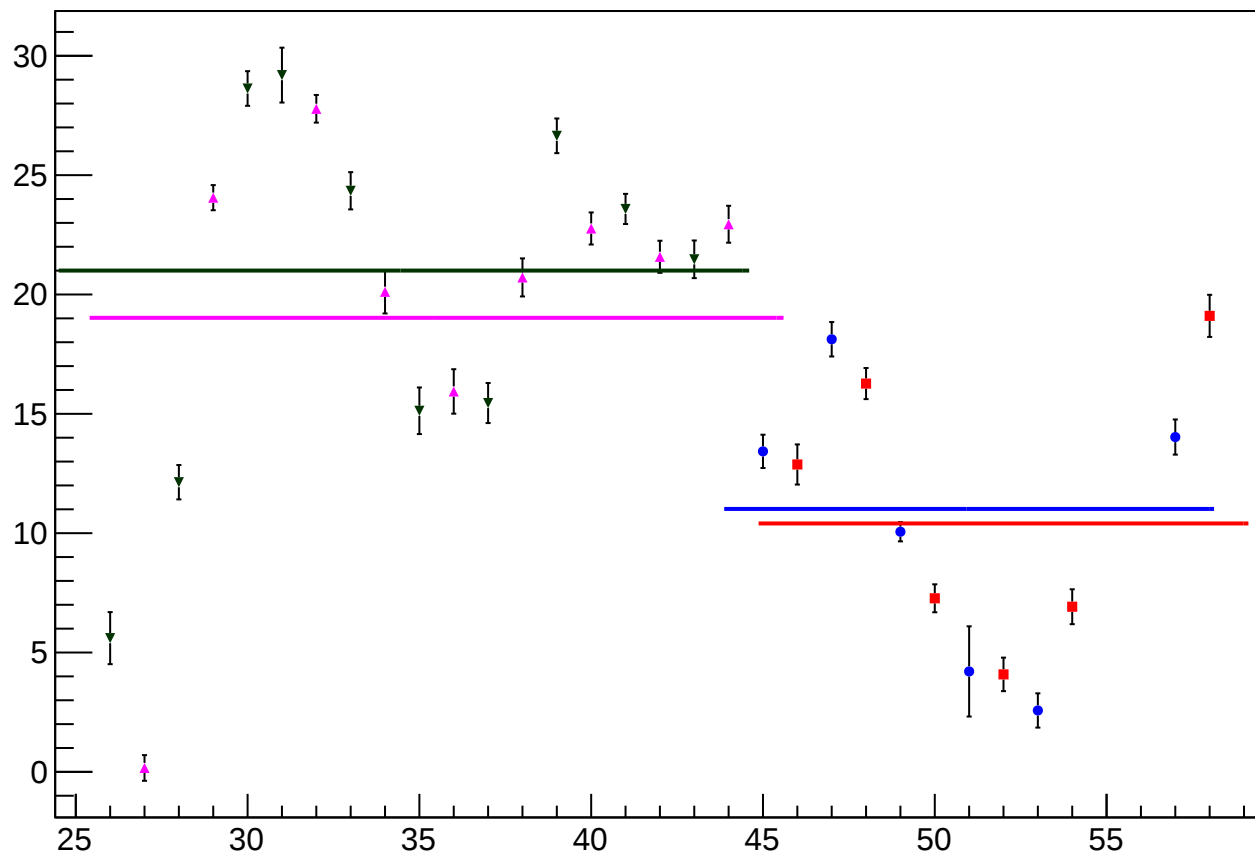
Right Out: -56.522±/-0.056 χ^2/NDF : 7360.3/5

Left In: -49.690±/-0.045 χ^2/NDF : 7146.4/8

-51.326±/-0.034 χ^2/NDF : 23518.4/14

-52.368±/-0.035 χ^2/NDF : 23497.8/14

reg_asym_dsl_diff_bpm4aX_slope vs slug



Right In: 11.016 ± 0.265 $\chi^2/\text{NDF}: 282.9/5$

Left Out: 21.002 ± 0.254 $\chi^2/\text{NDF}: 688.1/9$

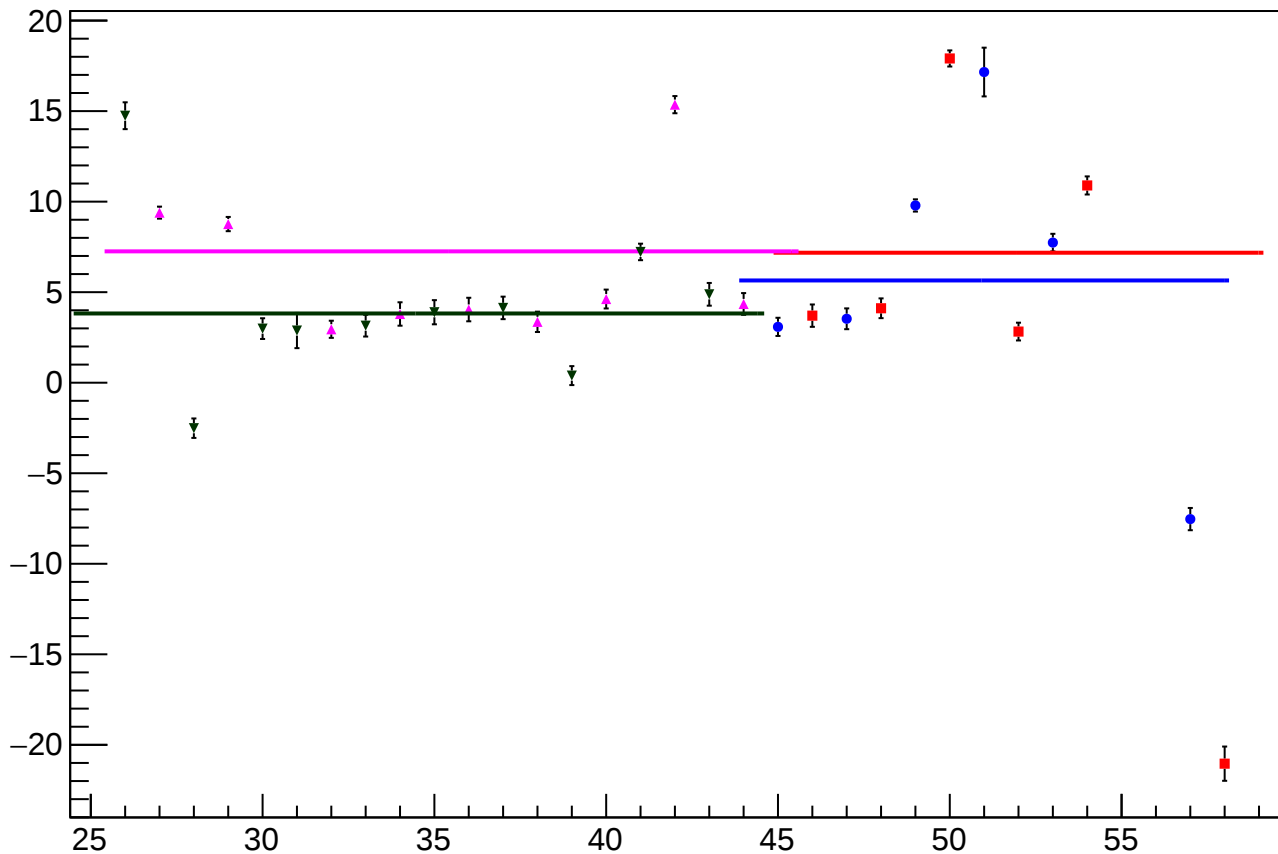
Right Out: 10.407 ± 0.290 $\chi^2/\text{NDF}: 319.3/5$

Left In: 19.023 ± 0.223 $\chi^2/\text{NDF}: 1636.4/8$

16.235 ± 0.183 $\chi^2/\text{NDF}: 1711.3/15$

15.822 ± 0.177 $\chi^2/\text{NDF}: 2509.4/14$

reg_asym_dsl_diff_bpm4aY_slope vs slug



Right In: 5.647 $\pm$ 0.208 χ^2/NDF : 741.0/5

Left Out: 3.824 $\pm$ 0.189 χ^2/NDF : 462.2/9

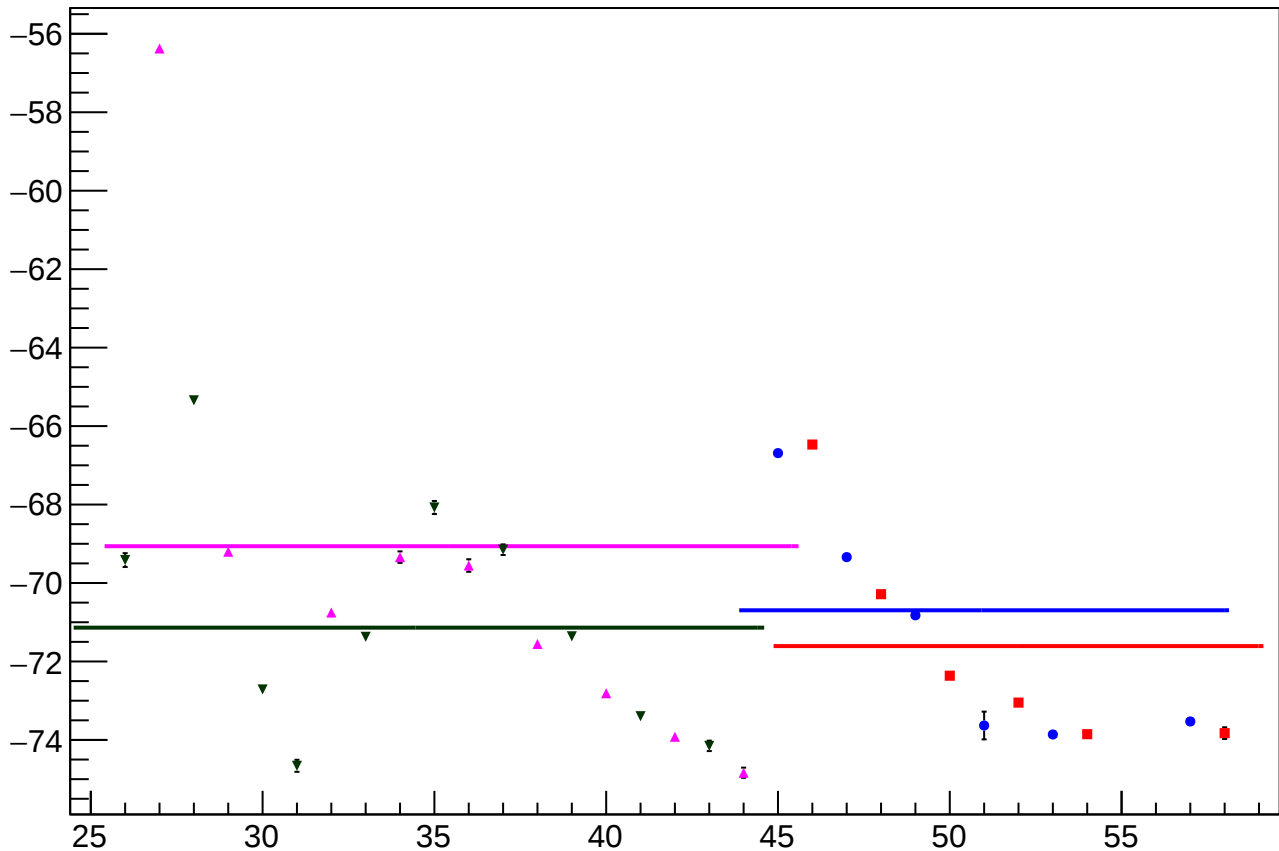
Right Out: 7.179 $\pm$ 0.222 χ^2/NDF : 1668.6/5

Left In: 7.254 $\pm$ 0.160 χ^2/NDF : 580.6/8

4.650 $\pm$ 0.140 χ^2/NDF : 1245.5/15

7.228 $\pm$ 0.130 χ^2/NDF : 2249.2/14

reg_asym_dsl_diff_bpm4eX_slope vs slug



Right In: -70.695 ± 0.048 χ^2/NDF : 2621.1/5

Left Out: -71.138 ± 0.042 χ^2/NDF : 4371.0/9

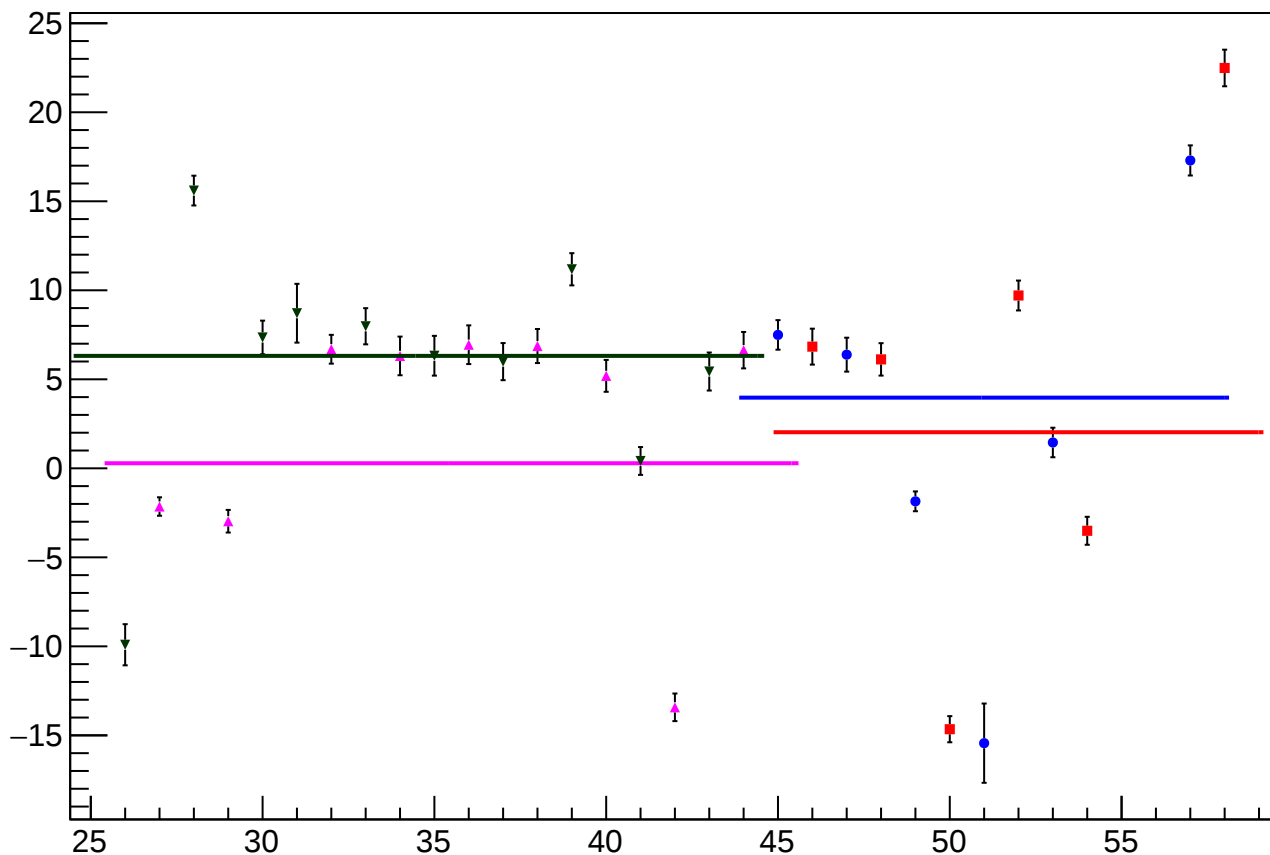
Right Out: -71.608 ± 0.050 χ^2/NDF : 2514.4/5

Left In: -69.062 ± 0.039 χ^2/NDF : 22618.3/8

-70.948 ± 0.032 χ^2/NDF : 7039.9/15

-70.001 ± 0.031 χ^2/NDF : 26744.3/14

reg_asym_dsl_diff_bpm4eY_slope vs slug



Right In: 3.970 $\pm$ 0.337 χ^2 /NDF: 467.2/5

Left Out: 6.316 $\pm$ 0.315 χ^2 /NDF:413.3/9

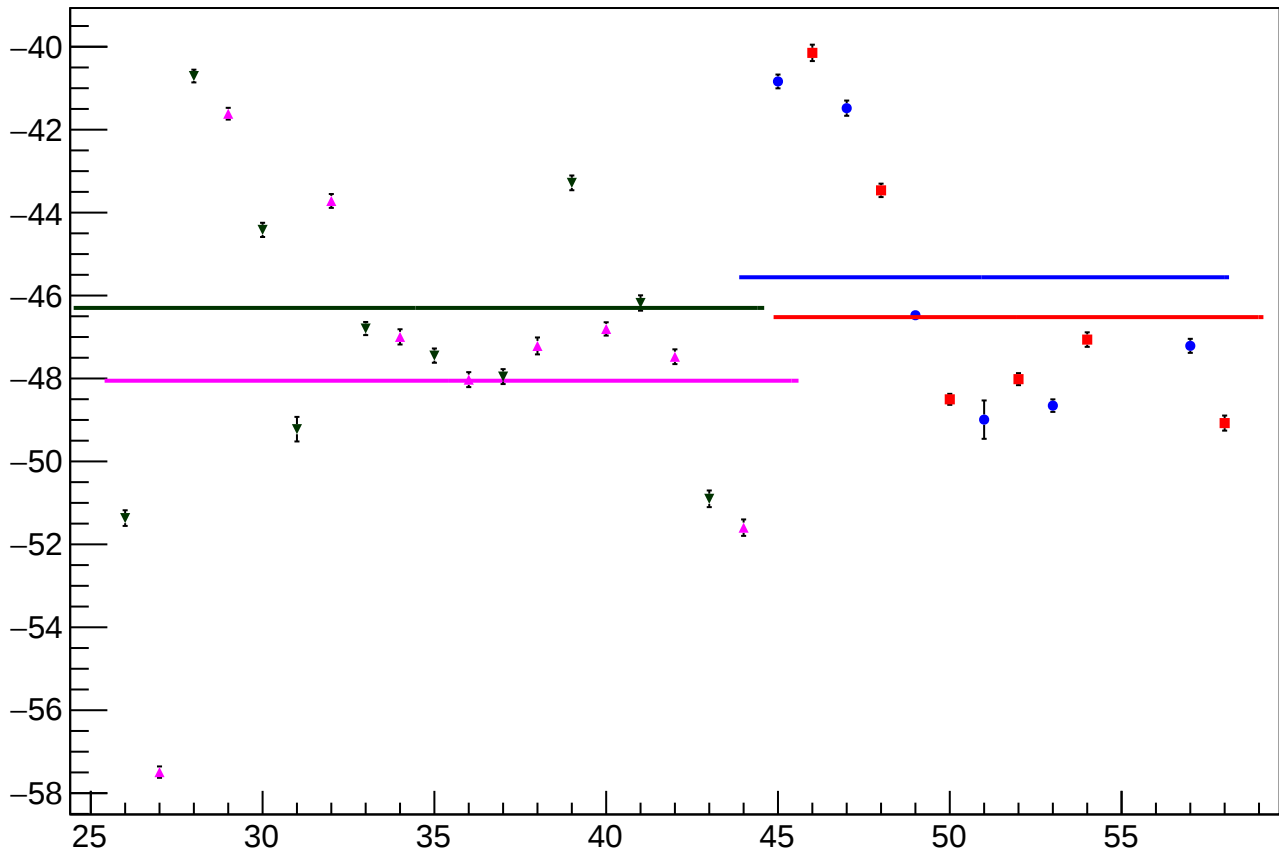
Right Out: 2.027 $\pm$ 0.353 χ^2 /NDF: 1088.4/5

Left In: 0.285 $\pm$ 0.264 χ^2 /NDF:608.0/8

5.221 $\pm$ 0.230 χ^2 /NDF: 906.4/15

0.909 $\pm$ 0.211 χ^2 /NDF: 1712.1/14

reg_asym_dsl_diff_bpm11X_slope vs slug



Right In: -45.559 ± 0.065 χ^2/NDF : 1943.5/5

Left Out: -46.298 ± 0.057 χ^2/NDF : 3214.3/9

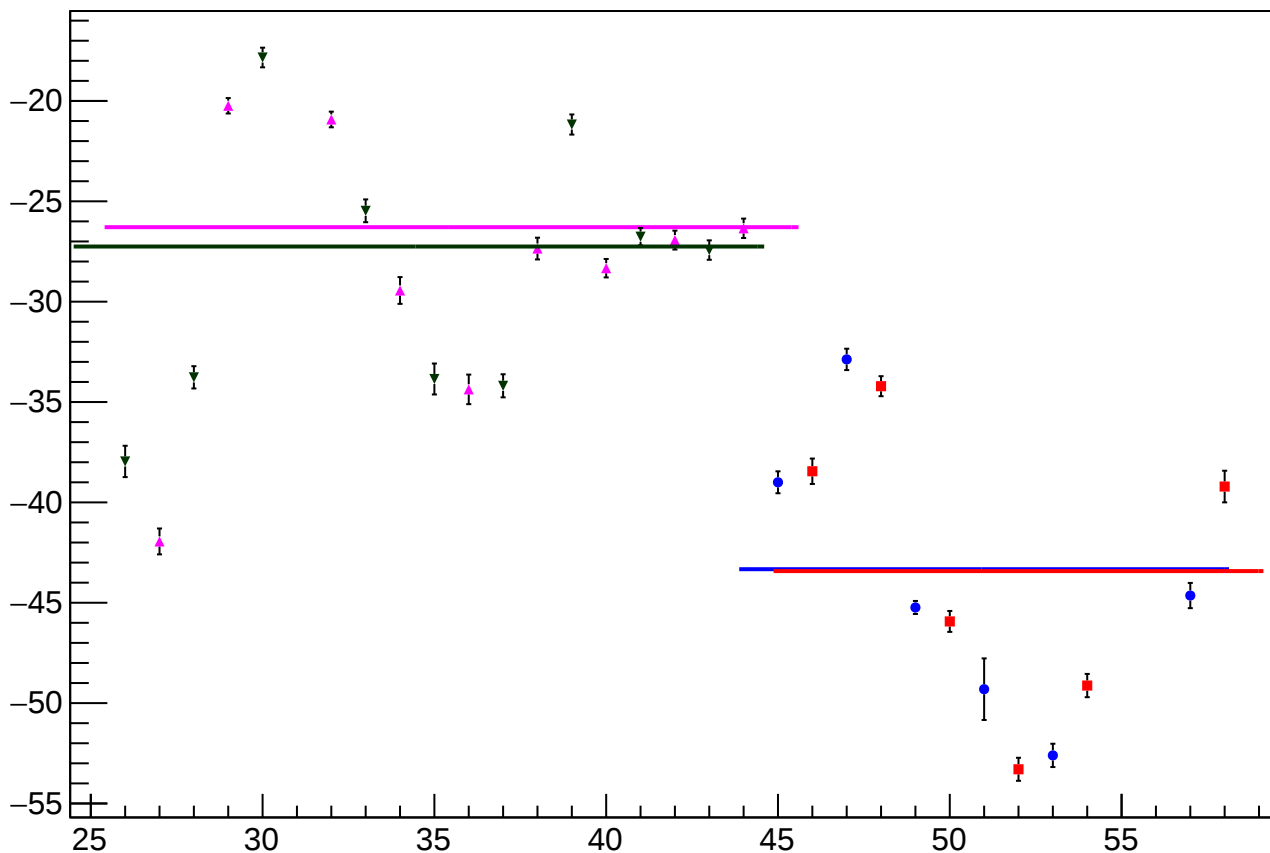
Right Out: -46.520 ± 0.066 χ^2/NDF : 1931.1/5

Left In: -48.054 ± 0.056 χ^2/NDF : 7913.0/8

-45.974 ± 0.043 χ^2/NDF : 5231.0/15

-47.409 ± 0.043 χ^2/NDF : 10159.2/14

reg_asym_dsr_diff_bpm4aX_slope vs slug



Right In: -43.329+/-0.212 χ^2/NDF : 758.2/5

Left Out: -27.253+/-0.181 χ^2/NDF : 1073.0/8

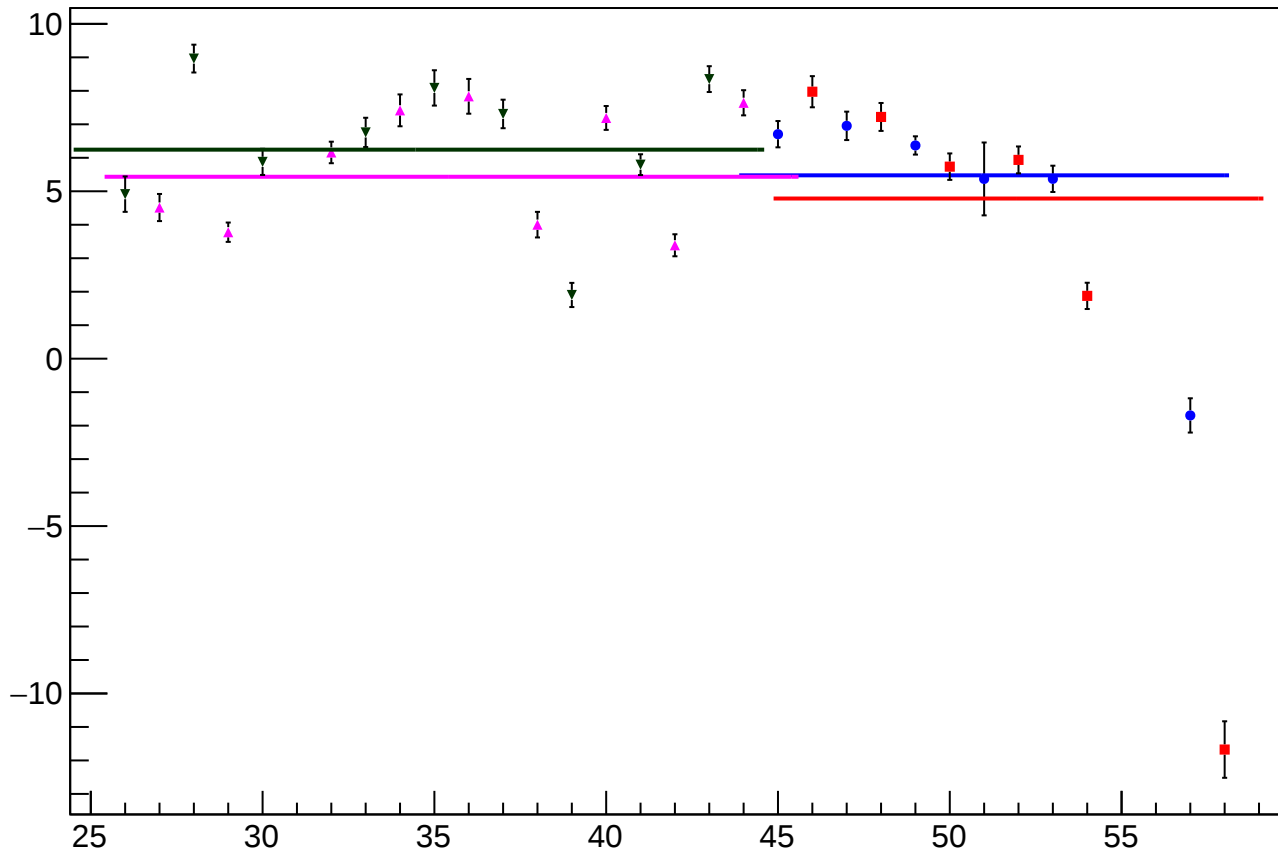
Right Out: -43.423+/-0.237 χ^2/NDF : 847.3/5

Left In: -26.289+/-0.165 χ^2/NDF : 1194.5/8

-34.039+/-0.138 χ^2/NDF : 5160.5/14

-31.884+/-0.135 χ^2/NDF : 5565.0/14

reg_asym_dsr_diff_bpm4aY_slope vs slug



Right In: 5.476 ± 0.165 χ^2/NDF : 229.0/5

Left Out: 6.243 ± 0.135 χ^2/NDF : 246.4/8

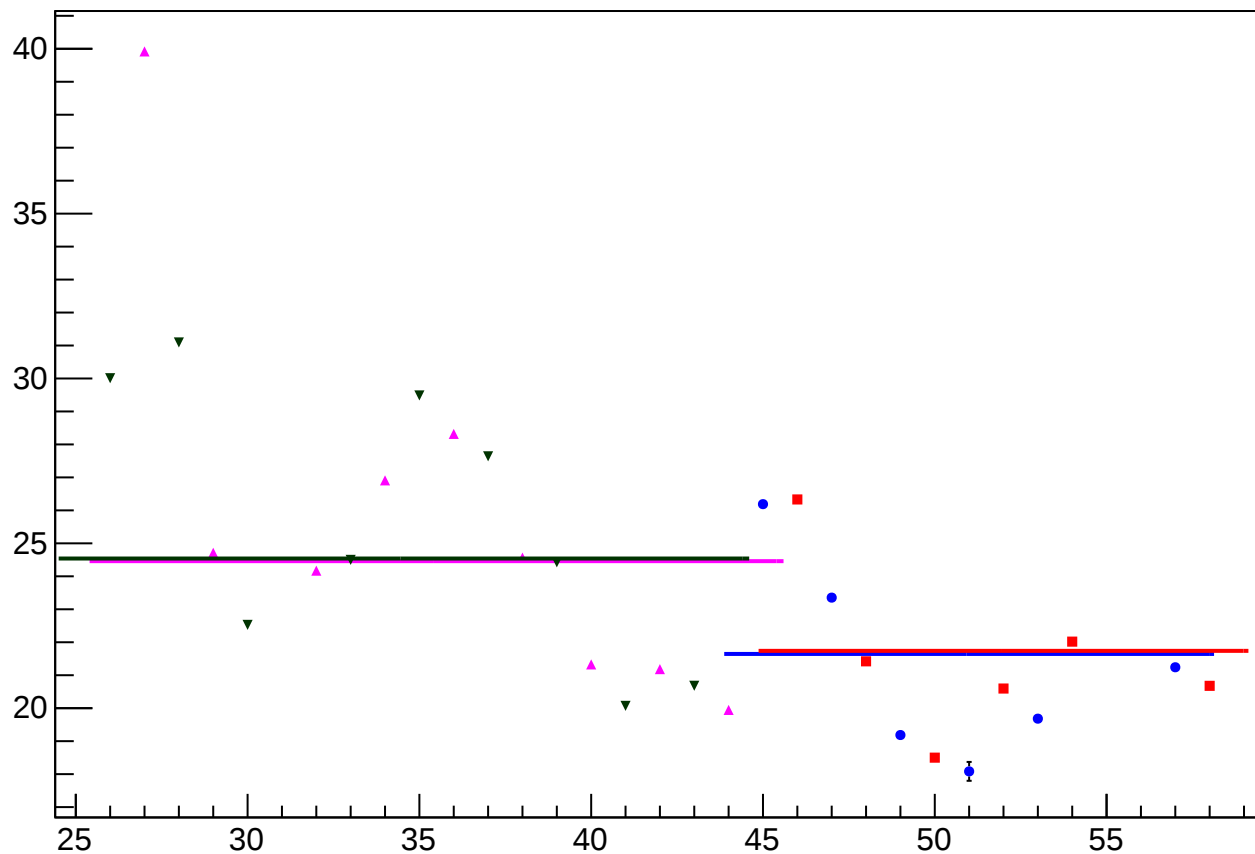
Right Out: 4.783 ± 0.180 χ^2/NDF : 530.4/5

Left In: 5.433 ± 0.122 χ^2/NDF : 193.5/8

5.937 ± 0.104 χ^2/NDF : 488.3/14

5.228 ± 0.101 χ^2/NDF : 732.9/14

reg_asym_dsr_diff_bpm4eX_slope vs slug



Right In: 21.645 ± 0.039 χ^2/NDF : 4996.9/5

Left Out: 24.539 ± 0.030 χ^2/NDF : 15395.0/8

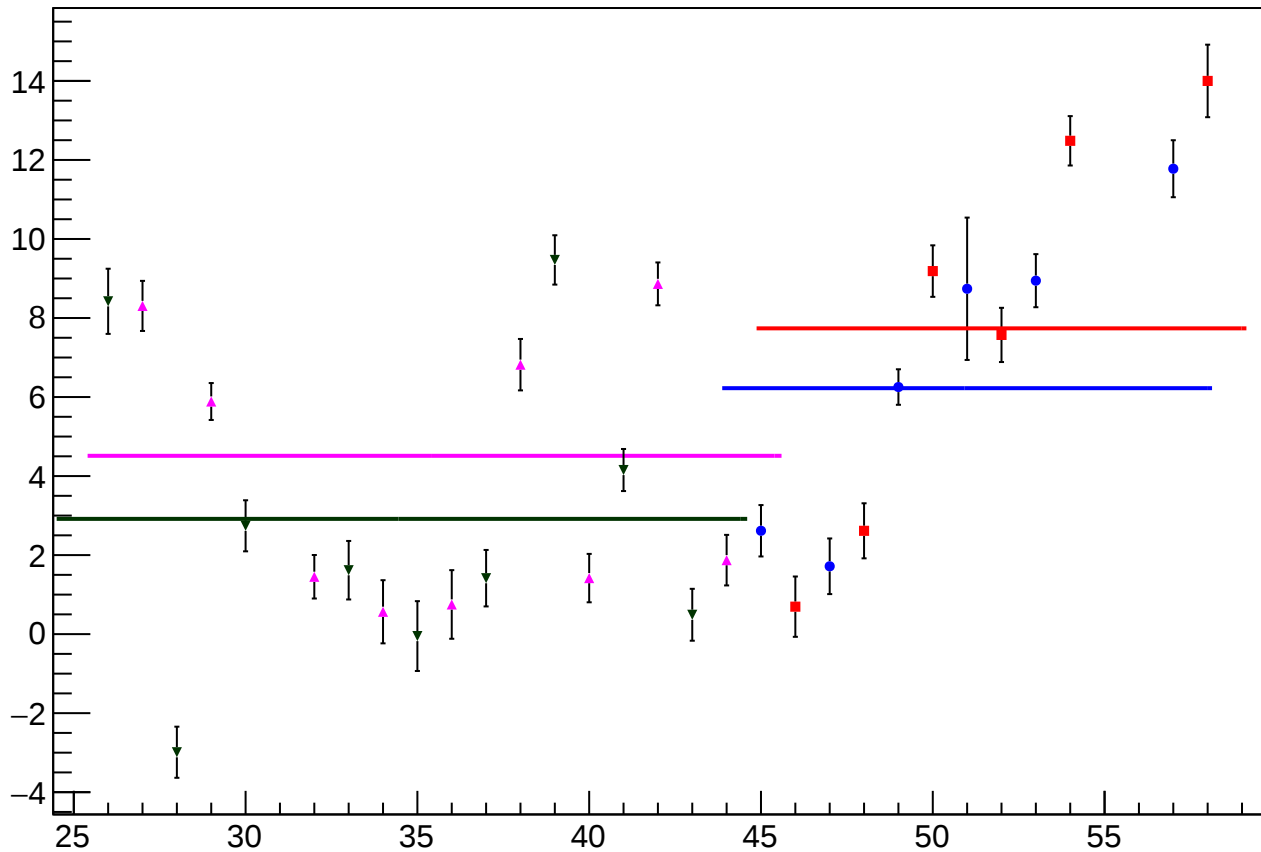
Right Out: 21.739 ± 0.041 χ^2/NDF : 3591.1/5

Left In: 24.459 ± 0.028 χ^2/NDF : 26092.7/8

23.439 ± 0.024 χ^2/NDF : 23892.1/14

23.574 ± 0.023 χ^2/NDF : 32713.0/14

reg_asym_dsr_diff_bpm4eY_slope vs slug



Right In: 6.224 ± 0.269 χ^2/NDF : 149.4/5

Left Out: 2.917 ± 0.225 χ^2/NDF : 276.0/8

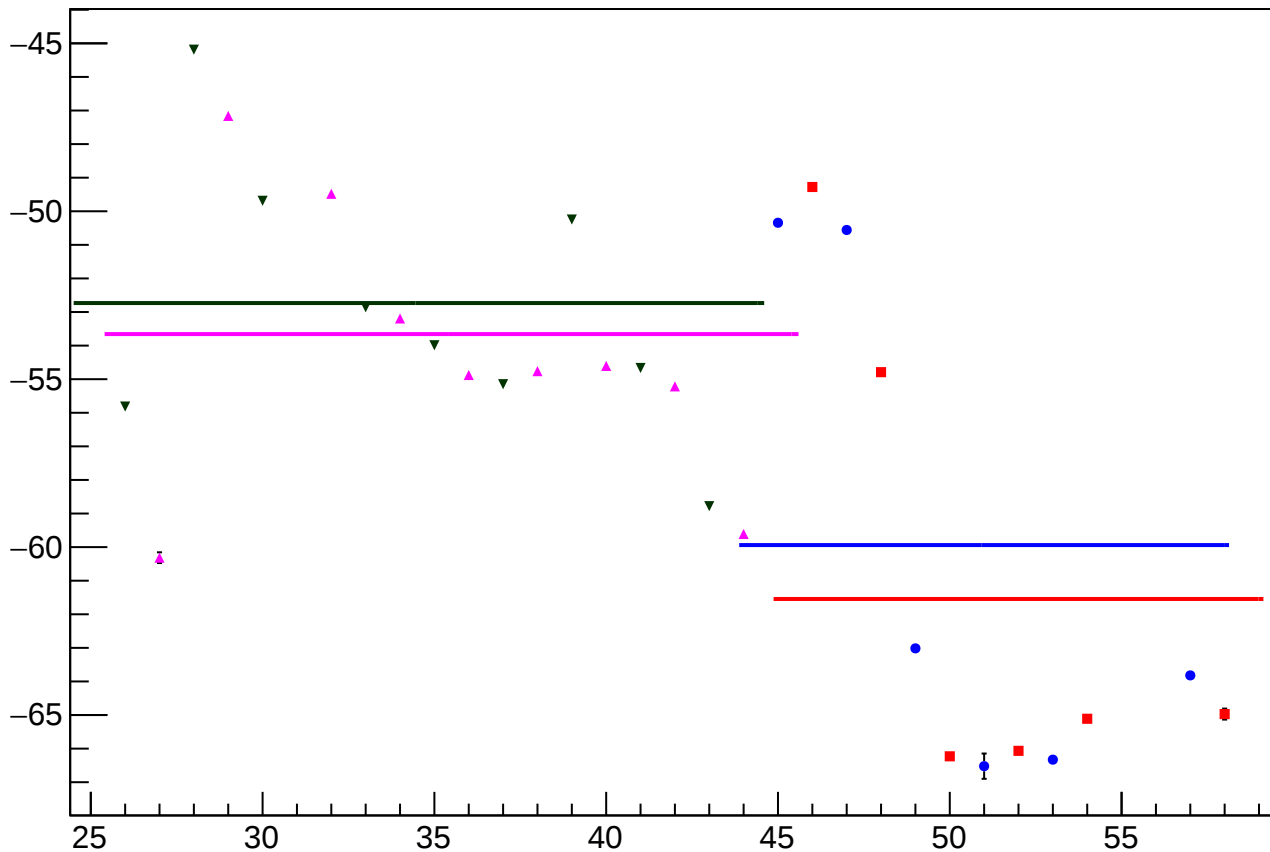
Right Out: 7.738 ± 0.289 χ^2/NDF : 248.5/5

Left In: 4.513 ± 0.204 χ^2/NDF : 238.0/8

4.277 ± 0.173 χ^2/NDF : 514.2/14

5.584 ± 0.166 χ^2/NDF : 569.8/14

reg_asym_dsr_diff_bpm11X_slope vs slug



Right In: -59.939 ± 0.052 $\chi^2/\text{NDF}: 15260.7/5$

Left Out: -52.733 ± 0.041 $\chi^2/\text{NDF}: 8744.9/8$

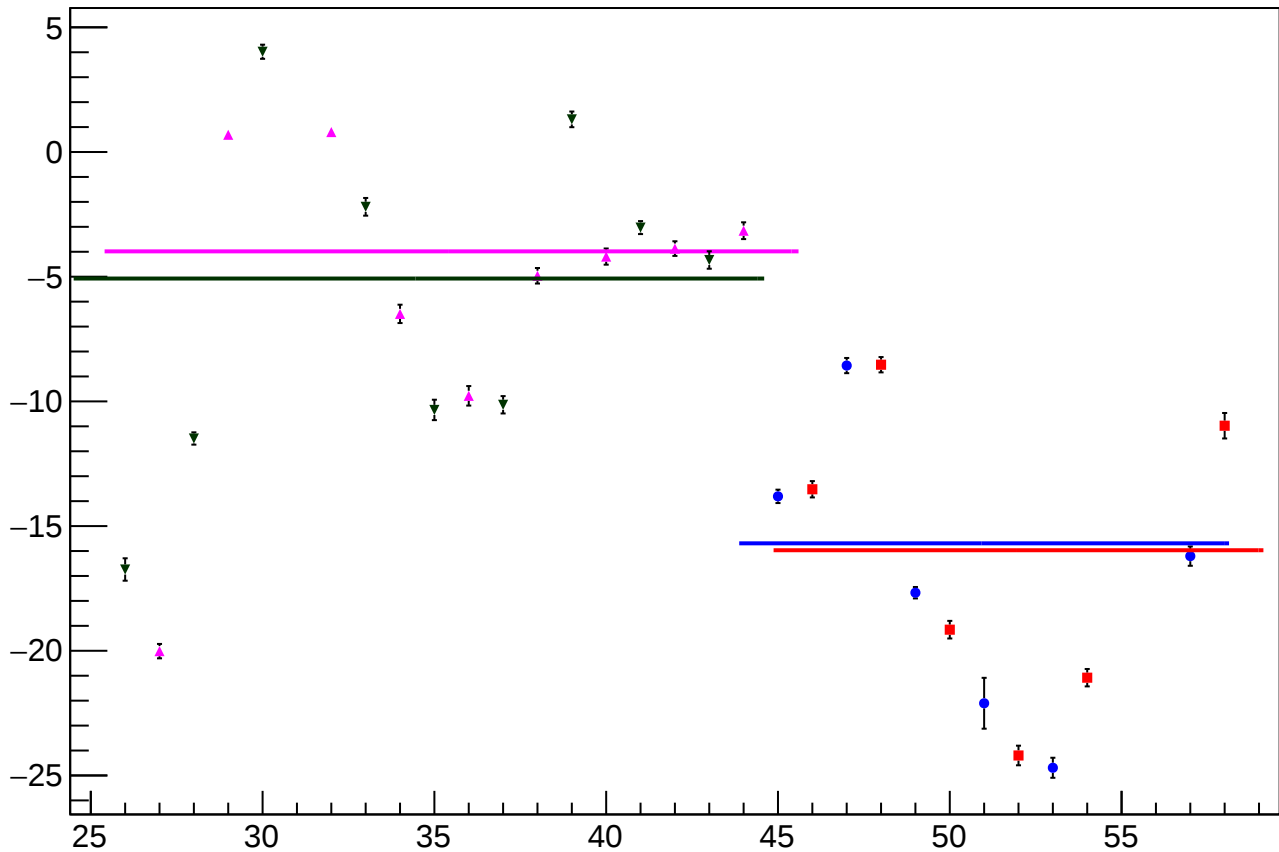
-55.519 ± 0.032 $\chi^2/\text{NDF}: 35808.3/14$

Right Out: -61.544 ± 0.054 $\chi^2/\text{NDF}: 13687.5/5$

-56.582 ± 0.033 $\chi^2/\text{NDF}: 36502.7/14$

Left In: -53.657 ± 0.042 $\chi^2/\text{NDF}: 9587.3/8$

reg_asym_us_avg_diff_bpm4aX_slope vs slug



Right In: -15.692 ± 0.132 χ^2/NDF : 1213.1/5

Left Out: -5.073 ± 0.106 χ^2/NDF : 3297.3/8

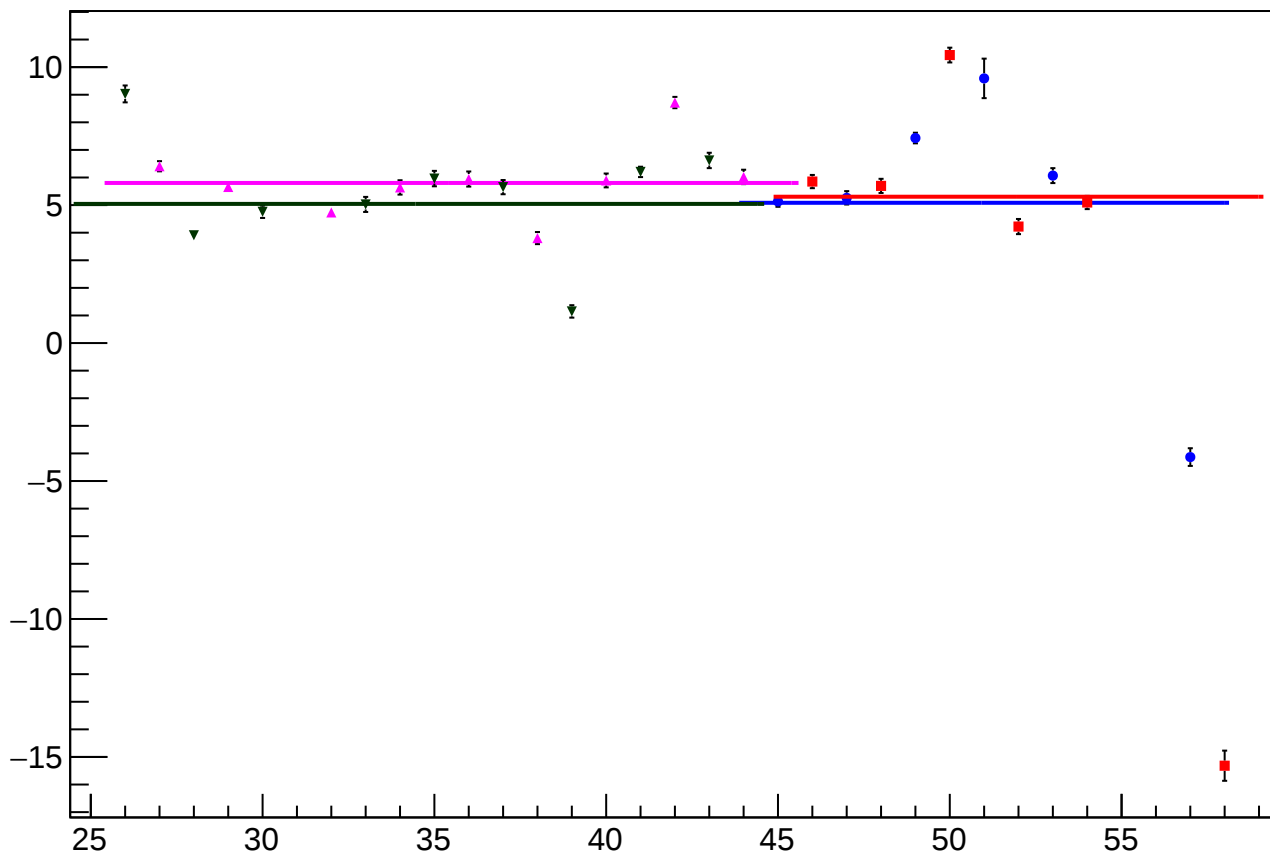
Right Out: -15.968 ± 0.147 χ^2/NDF : 1469.6/5

Left In: -3.984 ± 0.091 χ^2/NDF : 4557.3/8

-9.238 ± 0.083 χ^2/NDF : 8444.8/14

-7.338 ± 0.078 χ^2/NDF : 10828.8/14

reg_asym_us_avg_diff_bpm4aY_slope vs slug



Right In: 5.084 $\pm$ 0.102 χ^2 /NDF: 1027.5/5

Left Out: 5.043 $\pm$ 0.078 χ^2 /NDF: 594.0/8

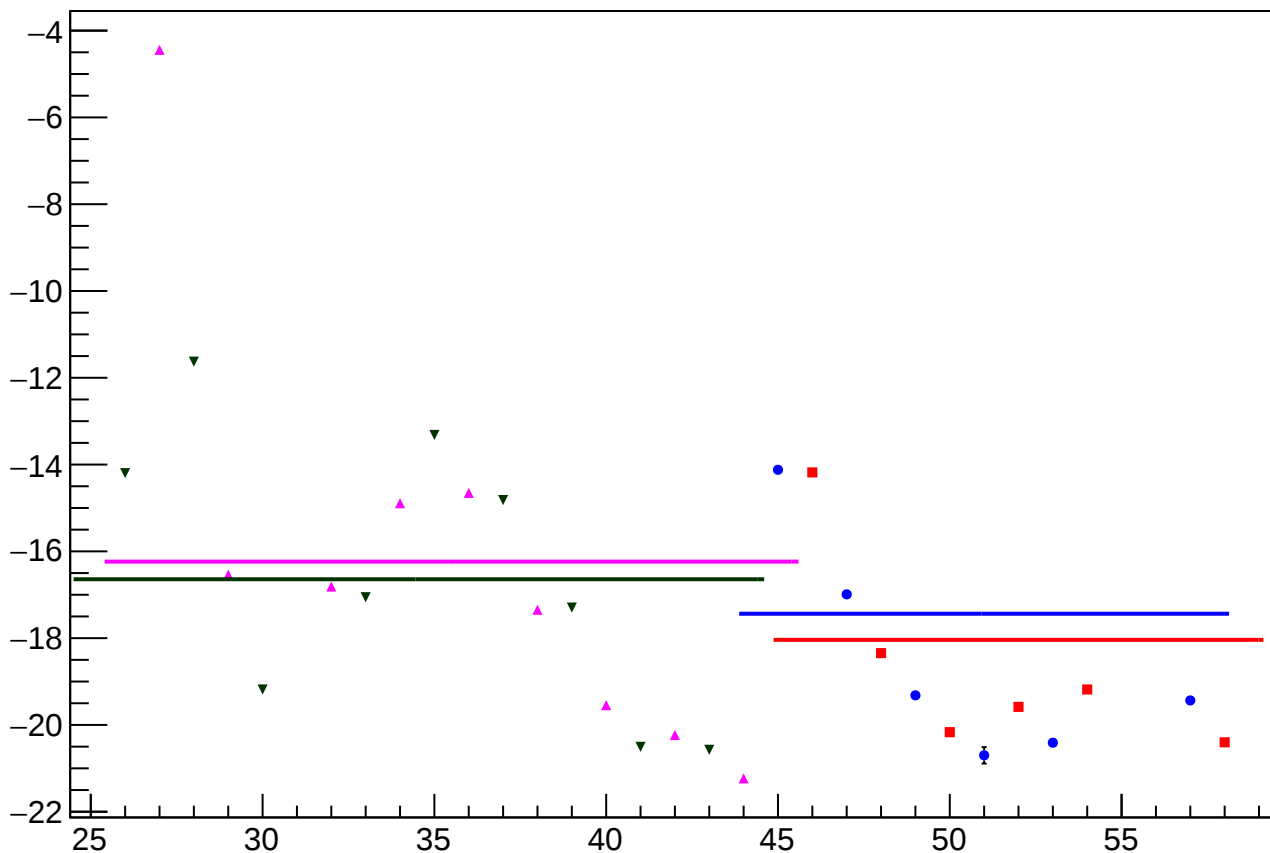
Right Out: 5.304 $\pm$ 0.112 χ^2 /NDF: 1812.5/5

Left In: 5.803 $\pm$ 0.067 χ^2 /NDF: 343.0/8

5.058 $\pm$ 0.062 χ^2 /NDF: 1621.6/14

5.669 $\pm$ 0.058 χ^2 /NDF: 2170.2/14

reg_asym_us_avg_diff_bpm4eX_slope vs slug



Right In: -17.437 $\pm$ 0.023 χ^2 /NDF: 10612.5/5

Left Out: -16.643 $\pm$ 0.018 χ^2 /NDF: 32975.5/8

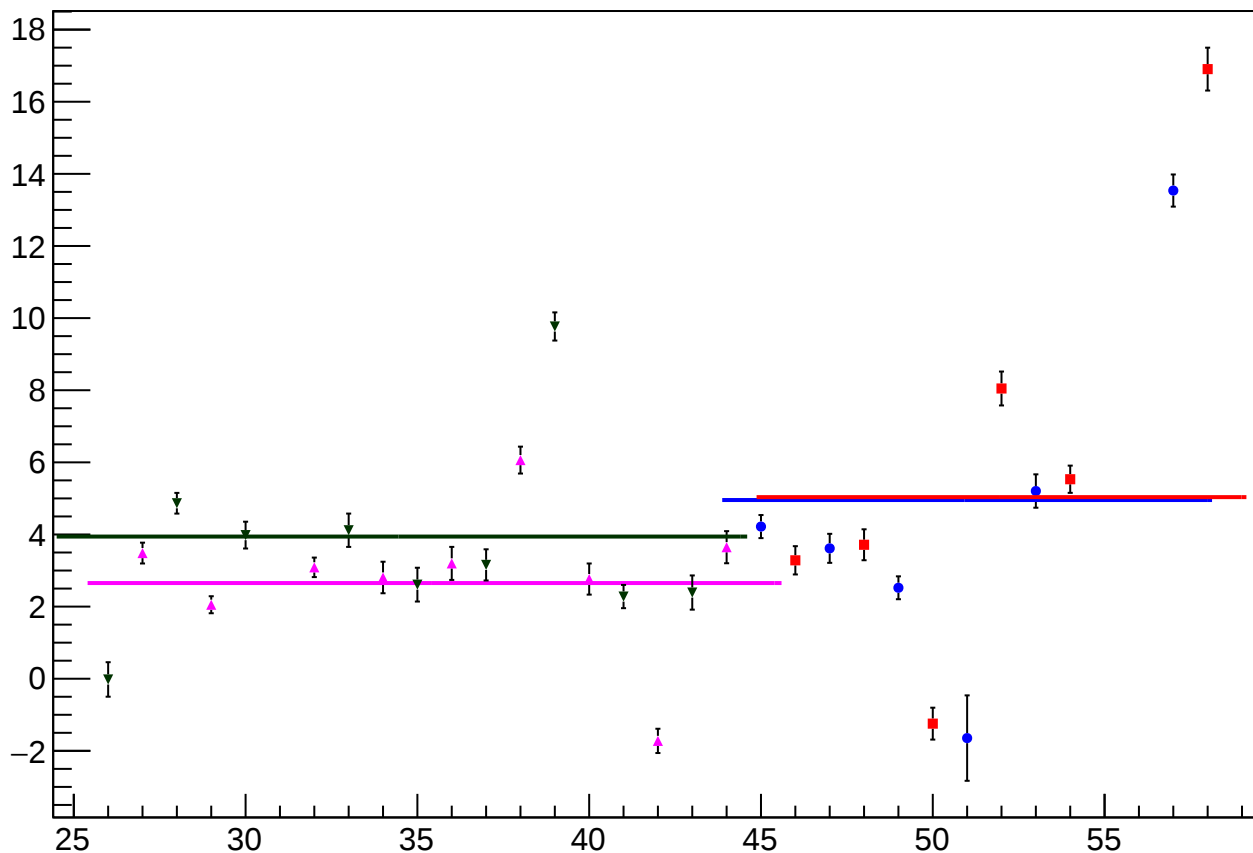
Right Out: -18.039 $\pm$ 0.025 χ^2 /NDF: 8779.7/5

Left In: -16.237 $\pm$ 0.016 χ^2 /NDF: 73670.4/8

-16.932 $\pm$ 0.014 χ^2 /NDF: 44319.7/14

-16.744 $\pm$ 0.013 χ^2 /NDF: 86234.5/14

reg_asym_us_avg_diff_bpm4eY_slope vs slug



Right In: 4.955 $\pm$ 0.166 χ^2 /NDF: 477.0/5

Left Out: 3.942 $\pm$ 0.130 χ^2 /NDF:350.2/8

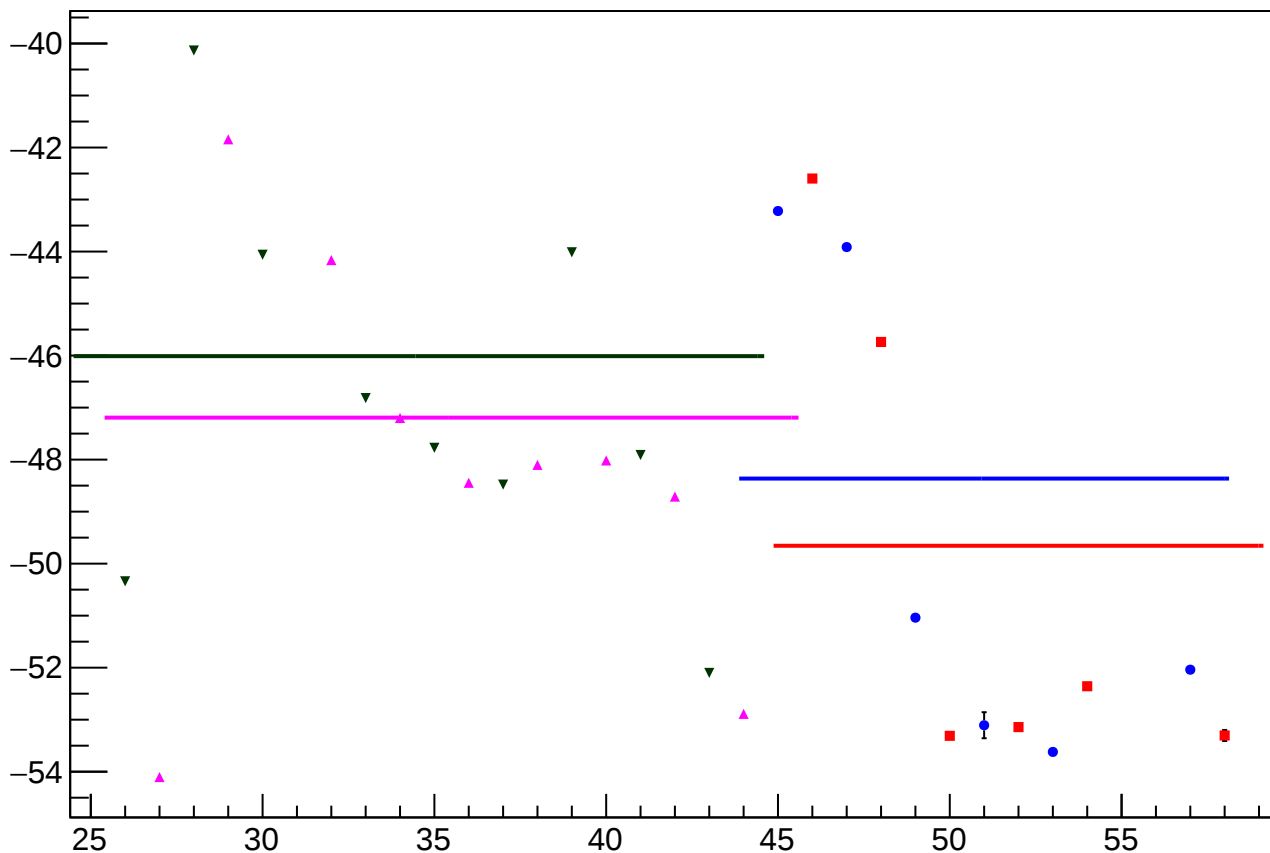
Right Out: 5.036 $\pm$ 0.178 χ^2 /NDF: 672.4/5

Left In: 2.653 $\pm$ 0.112 χ^2 /NDF:276.7/8

4.328 $\pm$ 0.102 χ^2 /NDF: 850.3/14

3.325 $\pm$ 0.095 χ^2 /NDF: 1077.2/14

reg_asym_us_avg_diff_bpm11X_slope vs slug



Right In: -48.364 $\pm$ 0.032 χ^2 /NDF: 17533.8/5

Left Out: -46.011 $\pm$ 0.024 χ^2 /NDF:23317.4/8

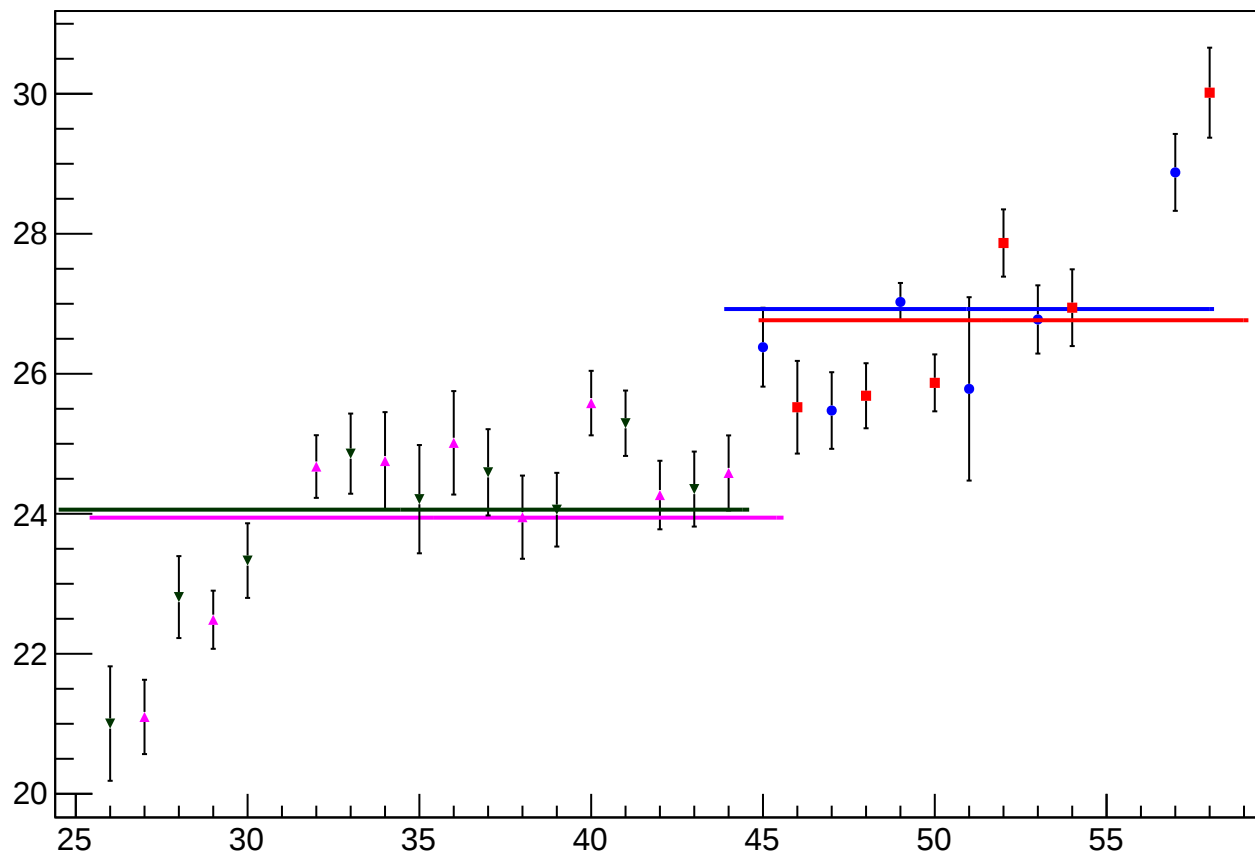
Right Out: -49.656 $\pm$ 0.034 χ^2 /NDF: 16911.4/5

Left In: -47.193 $\pm$ 0.023 χ^2 /NDF:27380.9/8

-46.852 $\pm$ 0.019 χ^2 /NDF: 44270.3/14

-47.981 $\pm$ 0.019 χ^2 /NDF: 47844.1/14

reg_asym_us_dd_diff_bpm4aX_slope vs slug



Right In: 26.925 $\pm$ 0.188 χ^2 /NDF: 21.6/5

Left Out: 24.059 $\pm$ 0.193 χ^2 /NDF:30.4/8

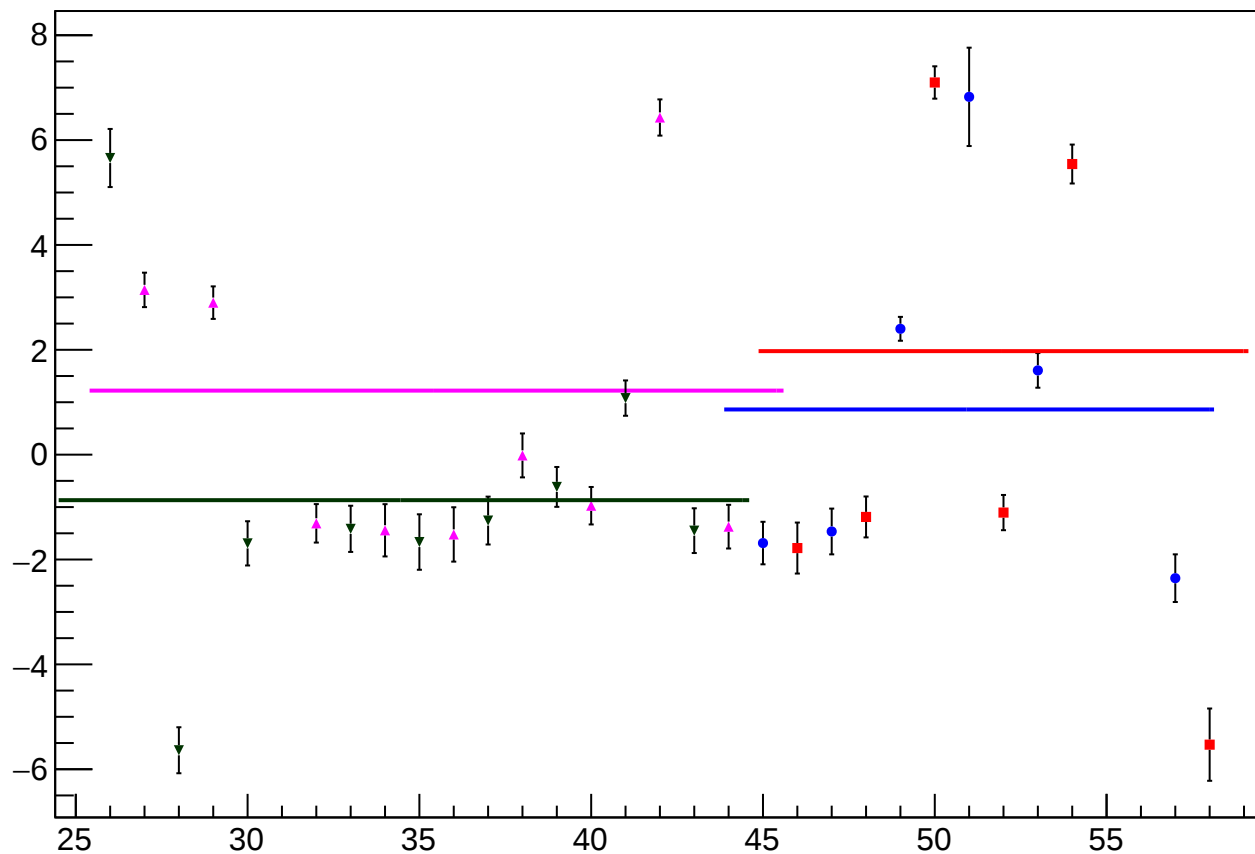
Right Out: 26.765 $\pm$ 0.208 χ^2 /NDF: 44.7/5

Left In: 23.945 $\pm$ 0.173 χ^2 /NDF:61.7/8

25.524 $\pm$ 0.135 χ^2 /NDF: 165.2/14

25.095 $\pm$ 0.133 χ^2 /NDF: 214.8/14

reg_asym_us_dd_diff_bpm4aY_slope vs slug



Right In: 0.862 ± 0.148 χ^2/NDF : 209.1/5

Left Out: -0.868 ± 0.143 χ^2/NDF : 300.9/8

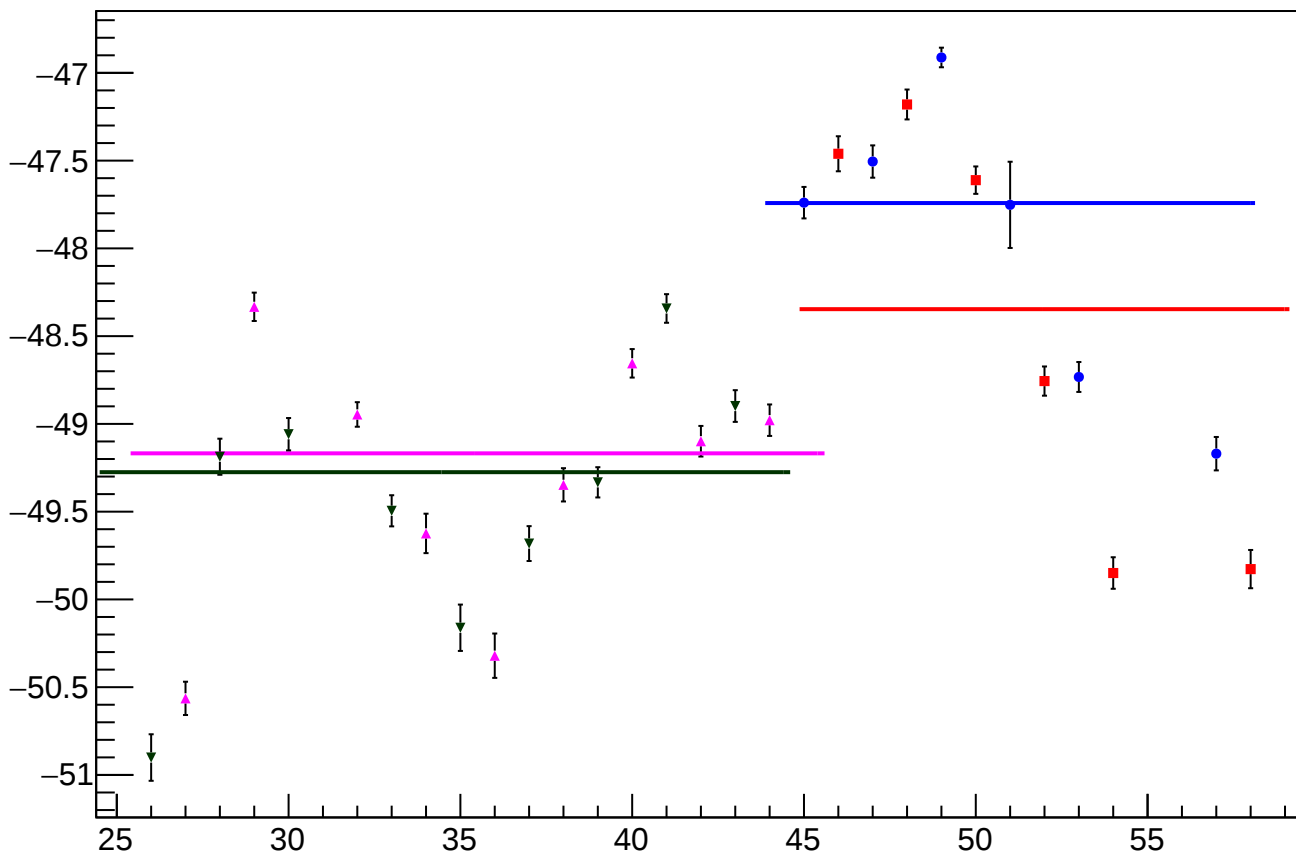
Right Out: 1.975 ± 0.159 χ^2/NDF : 695.9/5

Left In: 1.222 ± 0.126 χ^2/NDF : 480.3/8

-0.031 ± 0.103 χ^2/NDF : 580.8/14

1.513 ± 0.099 χ^2/NDF : 1190.0/14

reg_asym_us_dd_diff_bpm4eX_slope vs slug



Right In: -47.742 $\pm$ 0.035 χ^2 /NDF: 587.3/5

Left Out: -49.275 $\pm$ 0.032 χ^2 /NDF: 373.5/8

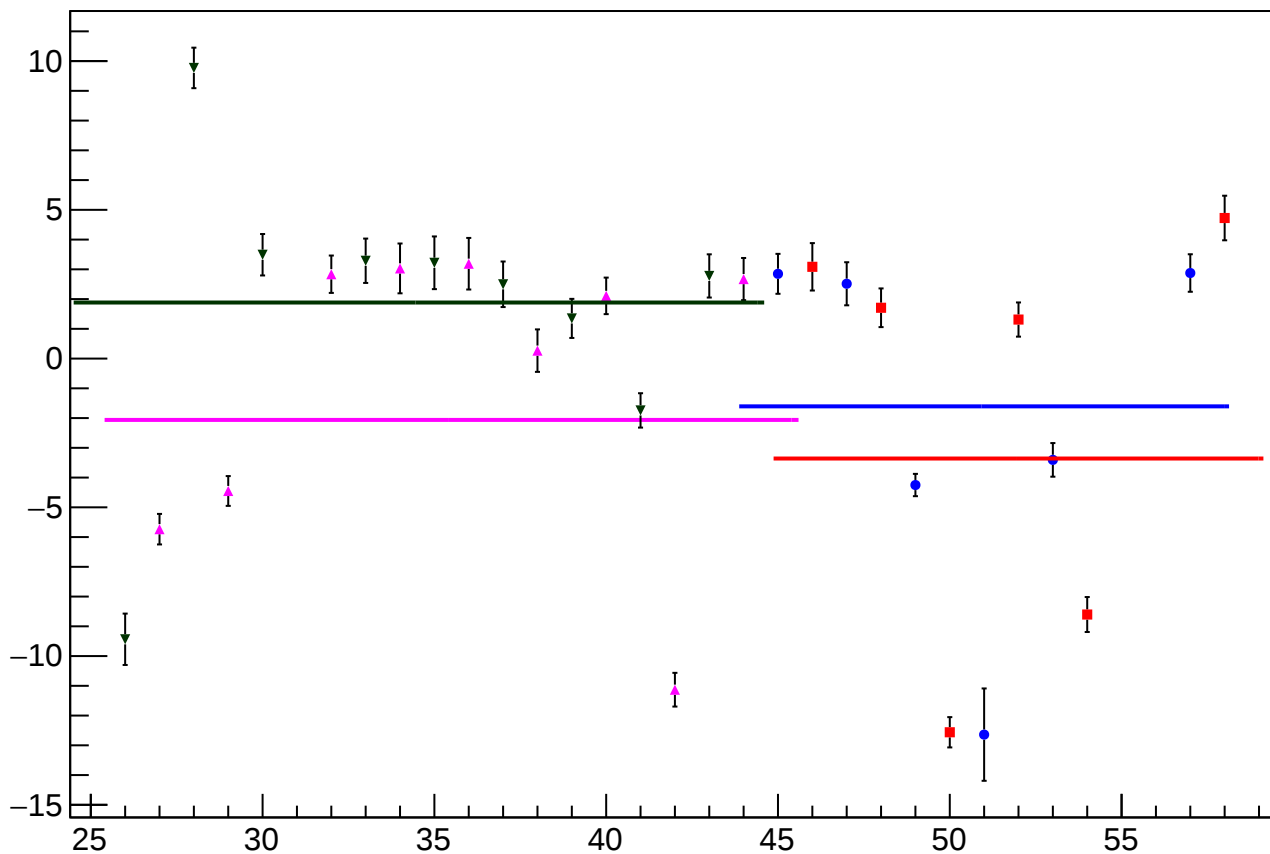
Right Out: -48.346 $\pm$ 0.036 χ^2 /NDF: 843.7/5

Left In: -49.168 $\pm$ 0.030 χ^2 /NDF: 481.7/8

-48.566 $\pm$ 0.024 χ^2 /NDF: 2007.3/14

-48.839 $\pm$ 0.023 χ^2 /NDF: 1630.7/14

reg_asym_us_dd_diff_bpm4eY_slope vs slug



Right In: -1.606 ± 0.240 $\chi^2/\text{NDF}: 237.4/5$

Left Out: 1.884 ± 0.239 $\chi^2/\text{NDF}: 359.4/8$

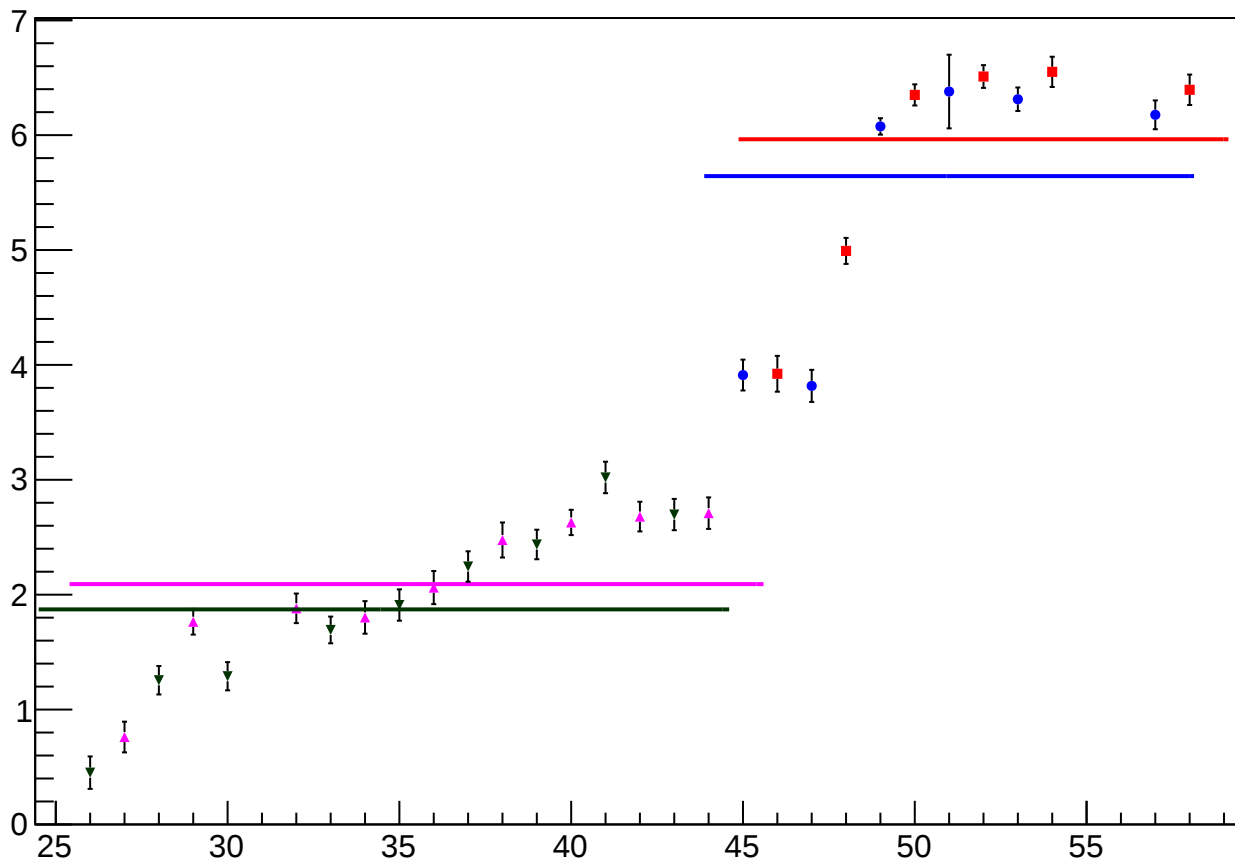
Right Out: -3.360 ± 0.254 $\chi^2/\text{NDF}: 714.8/5$

Left In: -2.062 ± 0.209 $\chi^2/\text{NDF}: 565.9/8$

0.152 ± 0.169 $\chi^2/\text{NDF}: 703.0/14$

-2.587 ± 0.162 $\chi^2/\text{NDF}: 1296.2/14$

reg_asym_us_dd_diff_bpm11X_slope vs slug



Right In: 5.643 $\pm$ 0.046 χ^2 /NDF: 440.1/5

Left Out: 1.872 $\pm$ 0.043 χ^2 /NDF:285.3/8

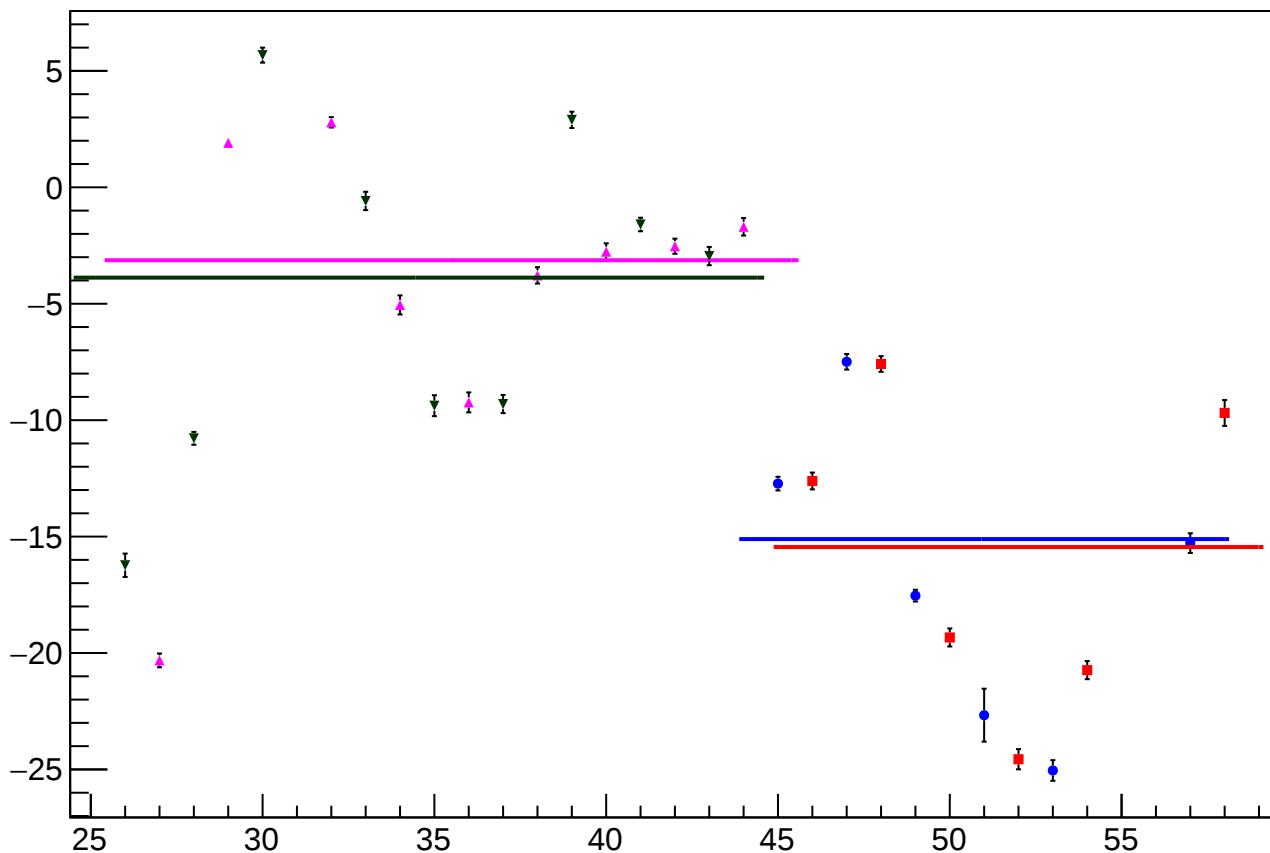
Right Out: 5.964 $\pm$ 0.047 χ^2 /NDF: 323.4/5

Left In: 2.092 $\pm$ 0.043 χ^2 /NDF:185.6/8

3.640 $\pm$ 0.032 χ^2 /NDF: 4287.8/14

3.873 $\pm$ 0.032 χ^2 /NDF: 4184.5/14

reg_asym_ds_avg_diff_bpm4aX_slope vs slug



Right In: -15.107 $\pm$ 0.145 χ^2/NDF : 1219.9/5

Left Out: -3.879 $\pm$ 0.119 χ^2/NDF : 2969.1/8

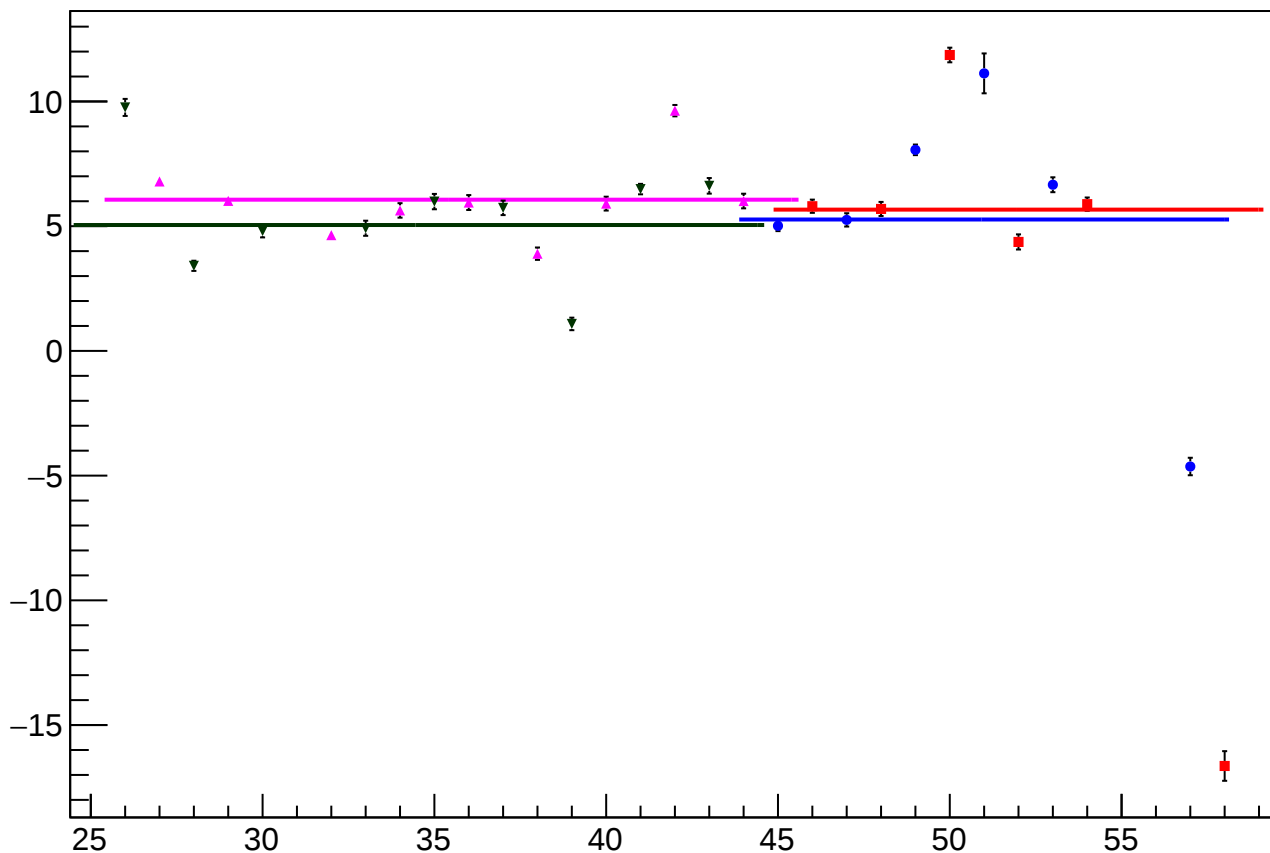
Right Out: -15.448 $\pm$ 0.162 χ^2/NDF : 1437.1/5

Left In: -3.132 $\pm$ 0.102 χ^2/NDF : 4858.7/8

-8.378 $\pm$ 0.092 χ^2/NDF : 7783.9/14

-6.628 $\pm$ 0.086 χ^2/NDF : 10455.1/14

reg_asym_ds_avg_diff_bpm4aY_slope vs slug



Right In: 5.268 $\pm$ 0.112 χ^2 /NDF: 1049.0/5

Left Out: 5.047 $\pm$ 0.088 χ^2 /NDF: 592.2/8

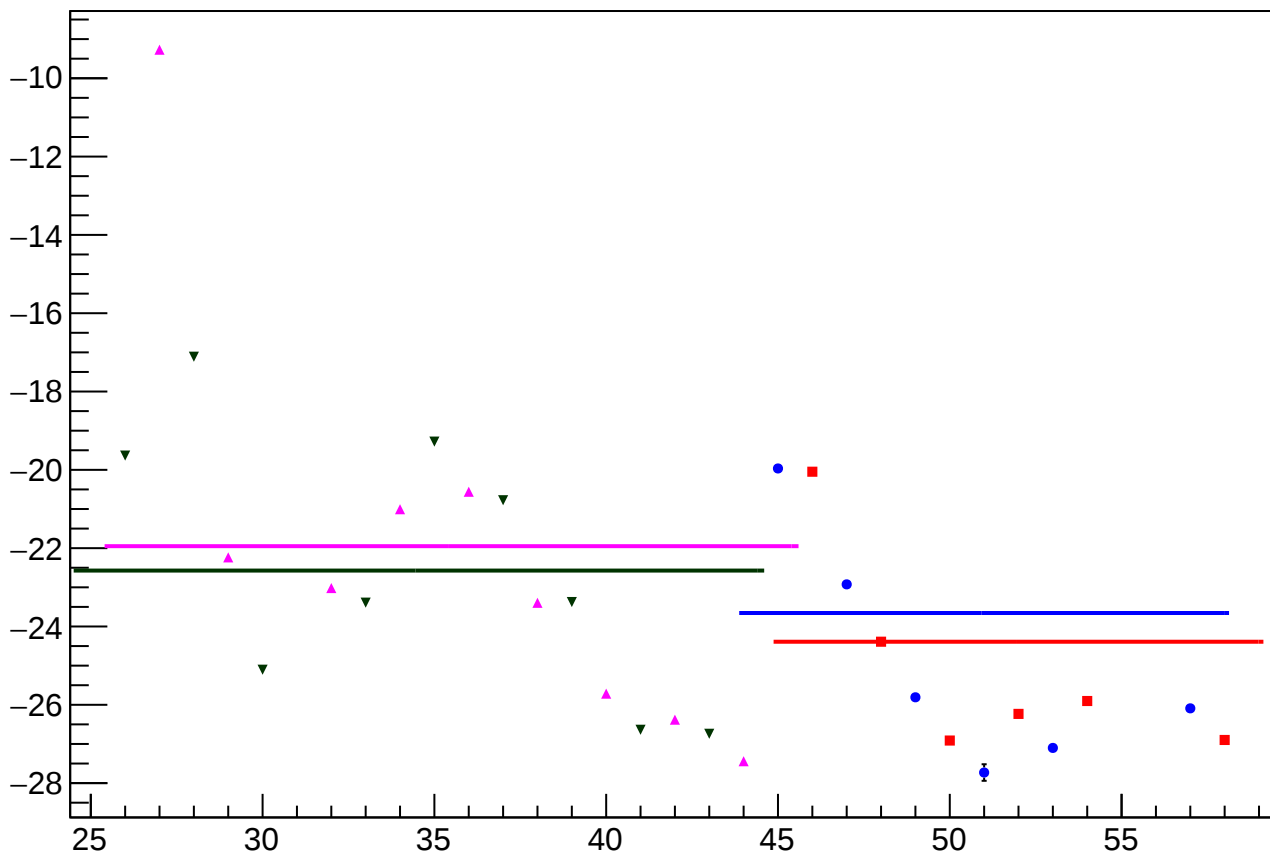
Right Out: 5.664 $\pm$ 0.123 χ^2 /NDF: 1873.1/5

Left In: 6.062 $\pm$ 0.075 χ^2 /NDF: 400.5/8

5.131 $\pm$ 0.069 χ^2 /NDF: 1643.6/14

5.955 $\pm$ 0.064 χ^2 /NDF: 2281.3/14

reg_asym_ds_avg_diff_bpm4eX_slope vs slug



Right In: -23.656+/-0.026 χ^2/NDF : 11520.5/5

Left Out: -22.572+/-0.020 χ^2/NDF : 29848.4/8

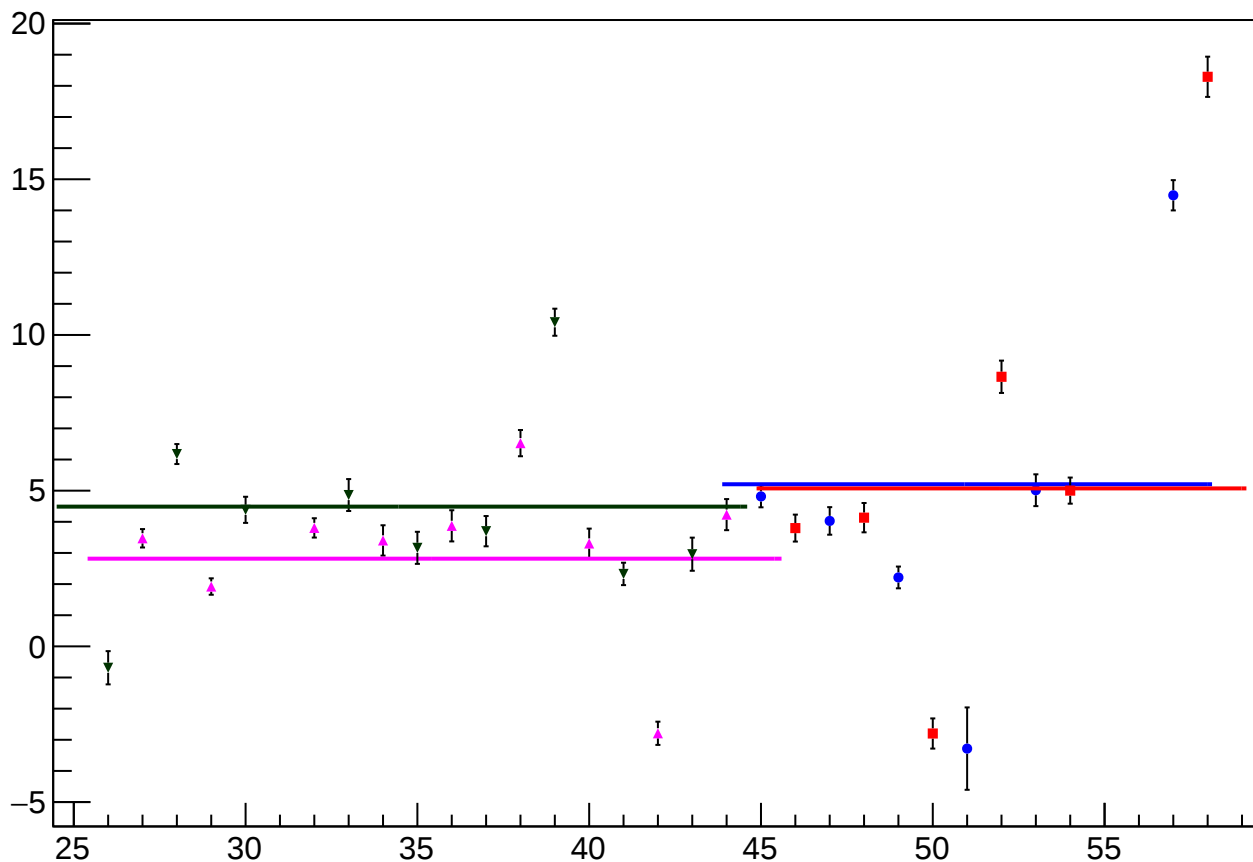
Right Out: -24.389+/-0.027 χ^2/NDF : 9367.7/5

Left In: -21.949+/-0.017 χ^2/NDF : 78862.5/8

-22.977+/-0.016 χ^2/NDF : 42481.4/14

-22.647+/-0.015 χ^2/NDF : 93893.8/14

reg_asym_ds_avg_diff_bpm4eY_slope vs slug



Right In: 5.206 $\pm$ 0.182 χ^2 /NDF: 487.5/5

Left Out: 4.488 $\pm$ 0.145 χ^2 /NDF:361.4/8

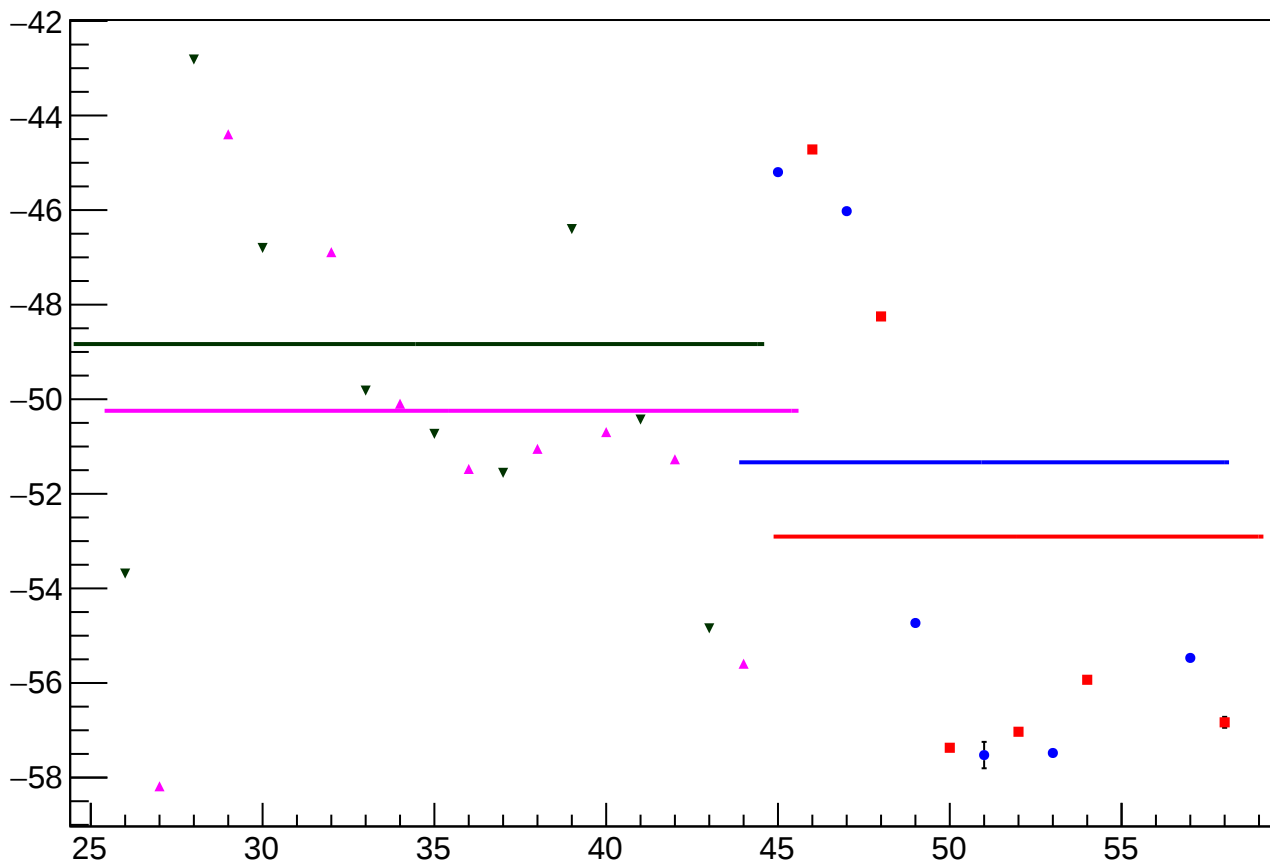
Right Out: 5.072 $\pm$ 0.197 χ^2 /NDF: 742.6/5

Left In: 2.816 $\pm$ 0.123 χ^2 /NDF:345.0/8

4.767 $\pm$ 0.114 χ^2 /NDF: 858.4/14

3.454 $\pm$ 0.105 χ^2 /NDF: 1182.2/14

reg_asym_ds_avg_diff_bpm11X_slope vs slug



Right In: -51.334 ± 0.035 χ^2/NDF : 20699.3/5

Left Out: -48.833 ± 0.027 χ^2/NDF : 20149.2/8

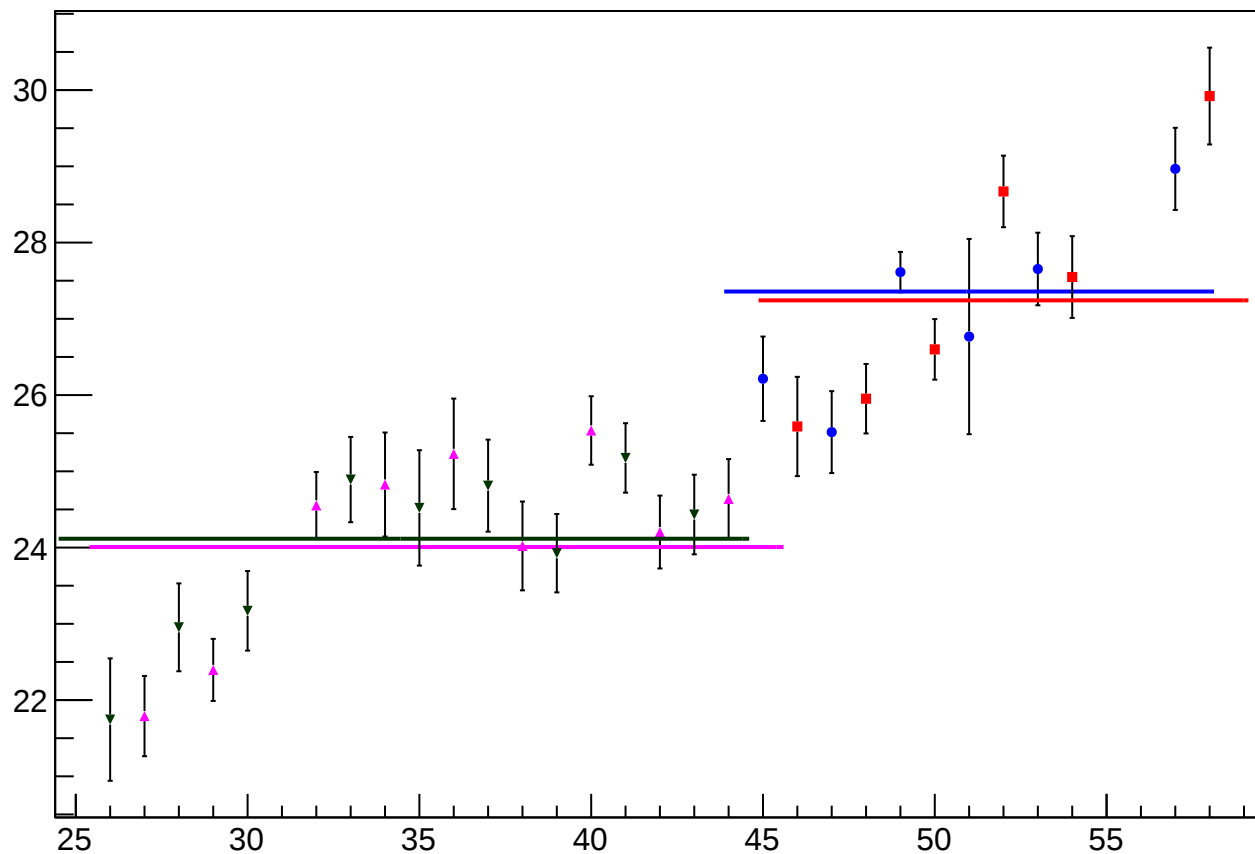
Right Out: -52.904 ± 0.037 χ^2/NDF : 18983.1/5

Left In: -50.244 ± 0.026 χ^2/NDF : 27249.9/8

-49.745 ± 0.021 χ^2/NDF : 44012.5/14

-51.105 ± 0.021 χ^2/NDF : 49638.3/14

reg_asym_ds_dd_diff_bpm4aX_slope vs slug



Right In: 27.358+/-0.184 χ^2/NDF : 26.5/5

Left Out: 24.116+/-0.188 χ^2/NDF : 25.5/8

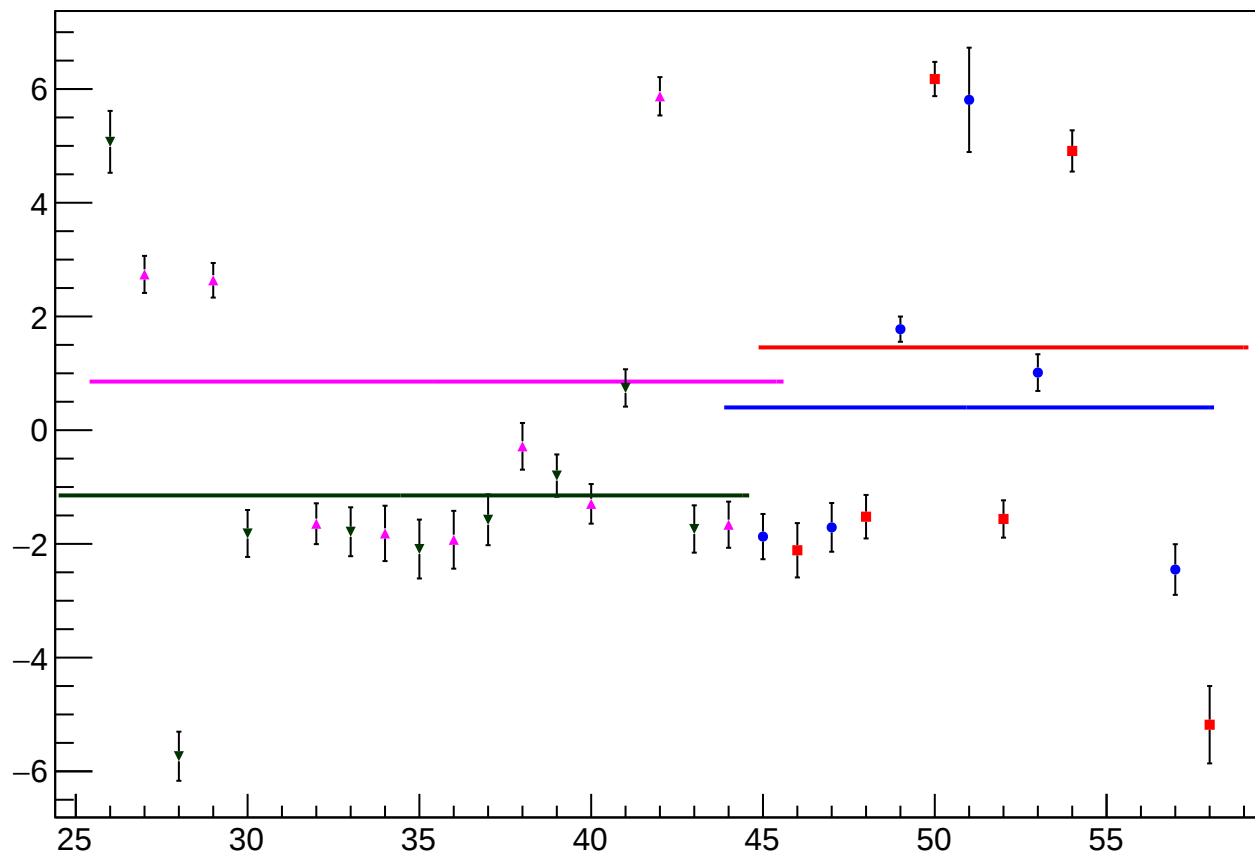
Right Out: 27.242+/-0.204 χ^2/NDF : 44.5/5

Left In: 24.007+/-0.169 χ^2/NDF : 52.5/8

25.773+/-0.132 χ^2/NDF : 203.5/14

25.327+/-0.130 χ^2/NDF : 245.8/14

reg_asym_ds_dd_diff_bpm4aY_slope vs slug



Right In: 0.400 $\pm$ 0.145 χ^2 /NDF: 174.5/5

Left Out: -1.148 $\pm$ 0.140 χ^2 /NDF: 288.4/8

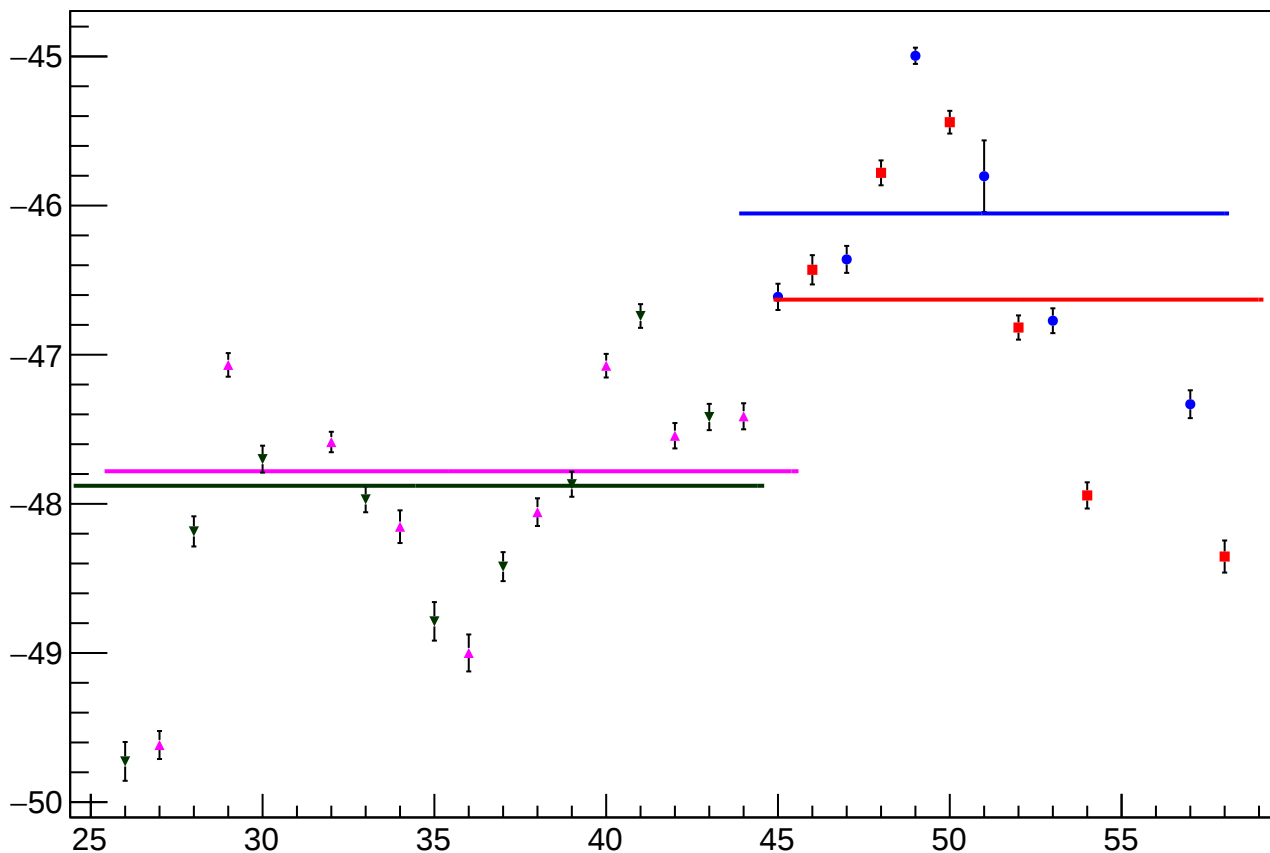
Right Out: 1.456 $\pm$ 0.156 χ^2 /NDF: 632.0/5

Left In: 0.855 $\pm$ 0.124 χ^2 /NDF: 482.1/8

-0.399 $\pm$ 0.101 χ^2 /NDF: 522.1/14

1.088 $\pm$ 0.097 χ^2 /NDF: 1123.2/14

reg_asym_ds_dd_diff_bpm4eX_slope vs slug



Right In: -46.053 $\pm$ 0.034 χ^2 /NDF: 691.8/5

Left Out: -47.879 $\pm$ 0.032 χ^2 /NDF: 529.0/8

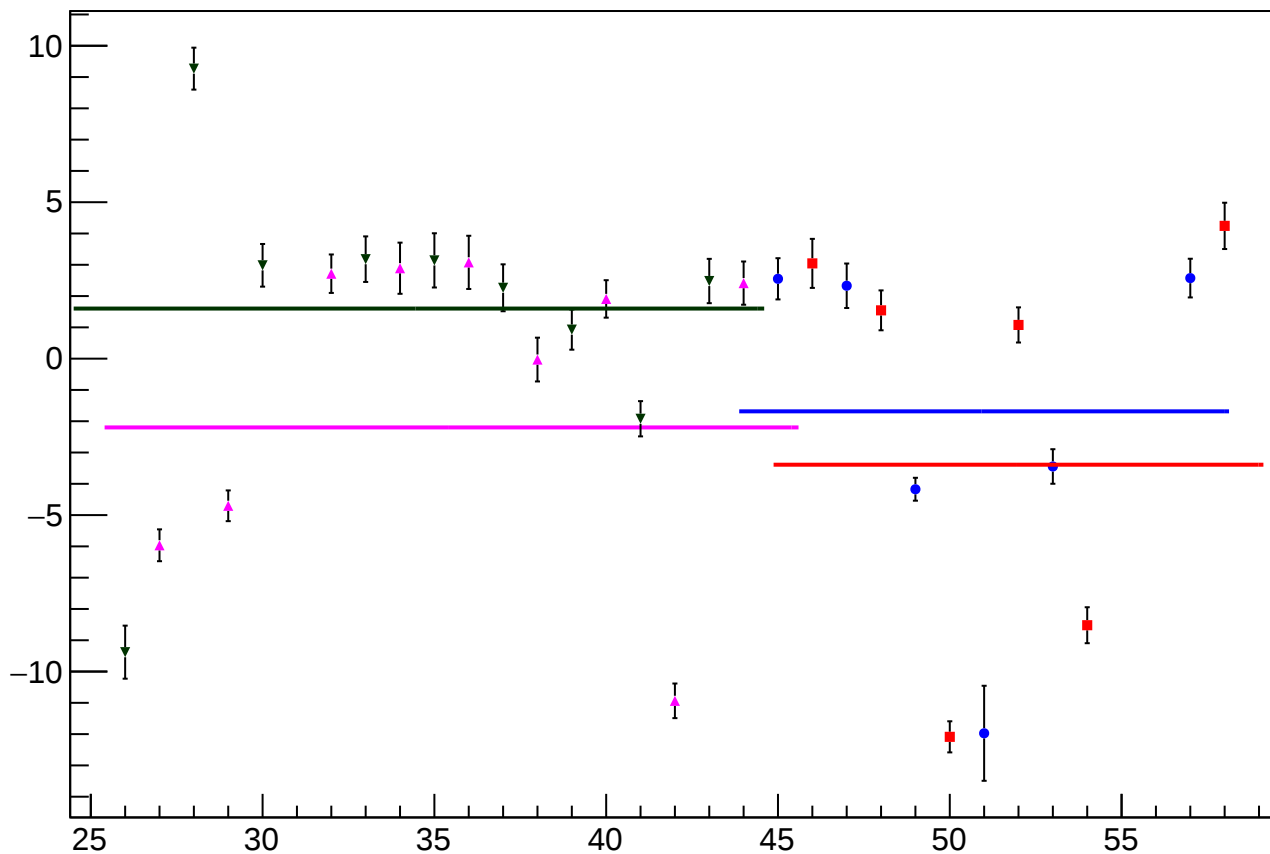
Right Out: -46.630 $\pm$ 0.036 χ^2 /NDF: 836.5/5

Left In: -47.781 $\pm$ 0.029 χ^2 /NDF: 692.9/8

-47.035 $\pm$ 0.023 χ^2 /NDF: 2771.9/14

-47.321 $\pm$ 0.023 χ^2 /NDF: 2154.5/14

reg_asym_ds_dd_diff_bpm4eY_slope vs slug



Right In: -1.684 ± 0.235 $\chi^2/\text{NDF}: 223.0/5$

Left Out: 1.601 ± 0.233 $\chi^2/\text{NDF}: 353.2/8$

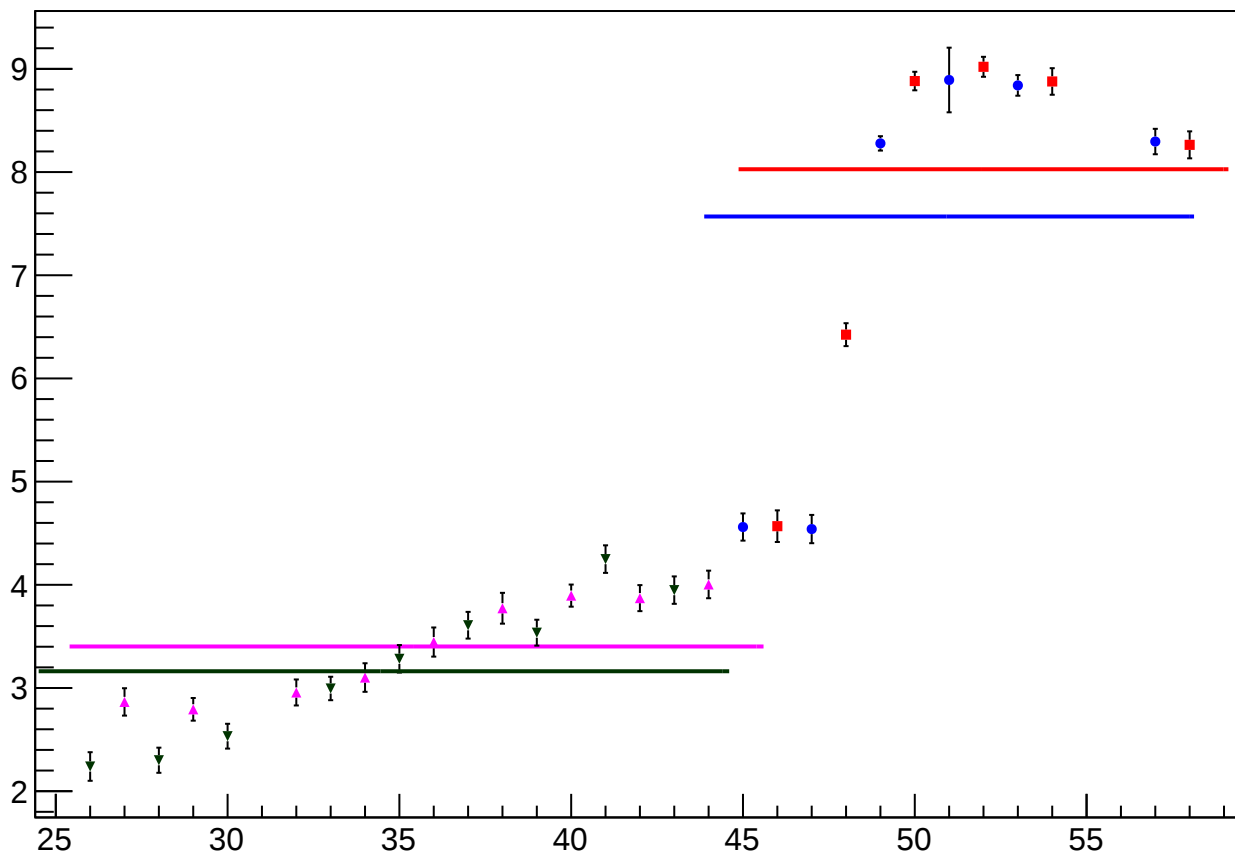
Right Out: -3.390 ± 0.249 $\chi^2/\text{NDF}: 682.9/5$

Left In: -2.198 ± 0.205 $\chi^2/\text{NDF}: 572.6/8$

-0.030 ± 0.166 $\chi^2/\text{NDF}: 674.5/14$

-2.681 ± 0.158 $\chi^2/\text{NDF}: 1269.1/14$

reg_asym_ds_dd_diff_bpm11X_slope vs slug



Right In: 7.569 $\pm$ 0.045 χ^2 /NDF: 1327.2/5

Left Out: 3.162 $\pm$ 0.042 χ^2 /NDF: 246.8/8

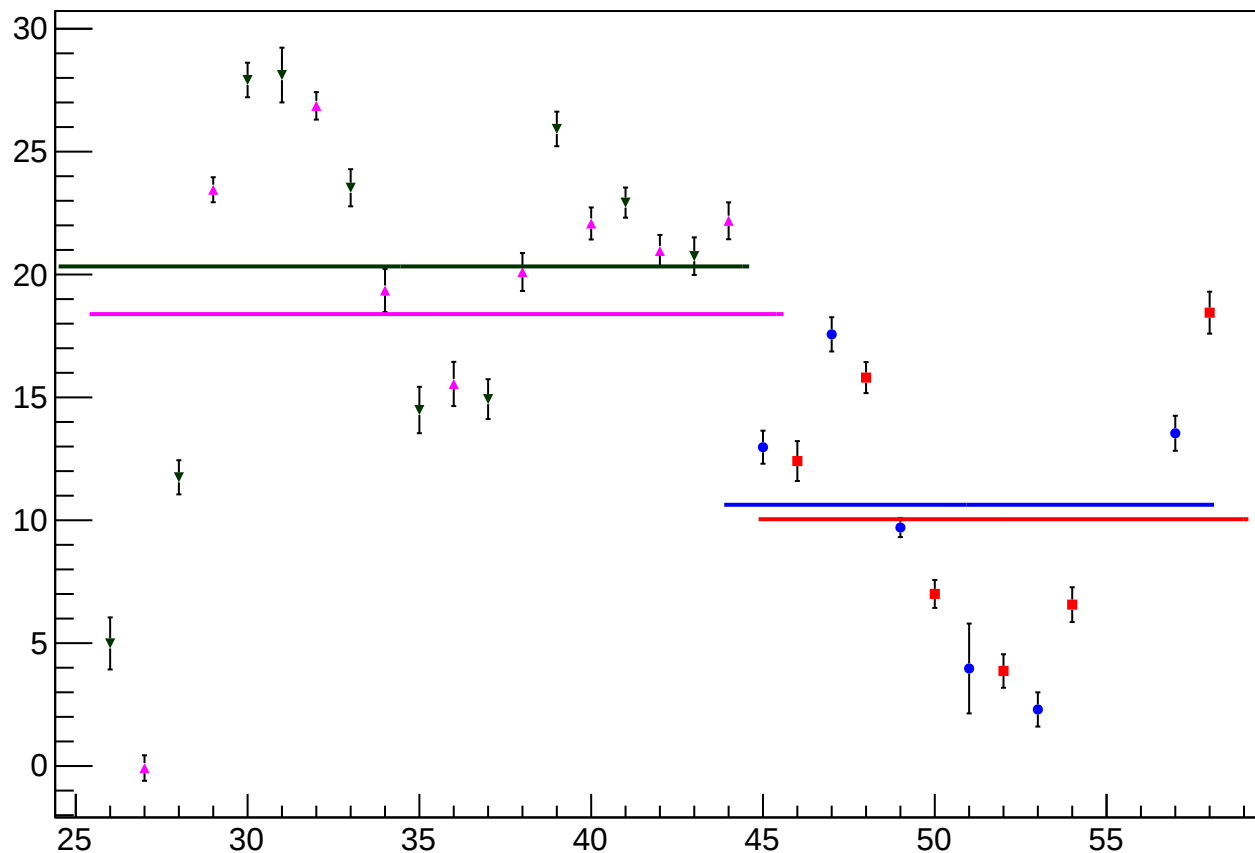
Right Out: 8.027 $\pm$ 0.046 χ^2 /NDF: 960.1/5

Left In: 3.402 $\pm$ 0.042 χ^2 /NDF: 125.8/8

5.229 $\pm$ 0.031 χ^2 /NDF: 6657.9/14

5.529 $\pm$ 0.031 χ^2 /NDF: 6553.4/14

reg_asym_left_avg_diff_bpm4aX_slope vs slug



Right In: 10.631+/-0.257 χ^2/NDF : 289.8/5

Left Out: 20.329+/-0.246 χ^2/NDF : 709.7/9

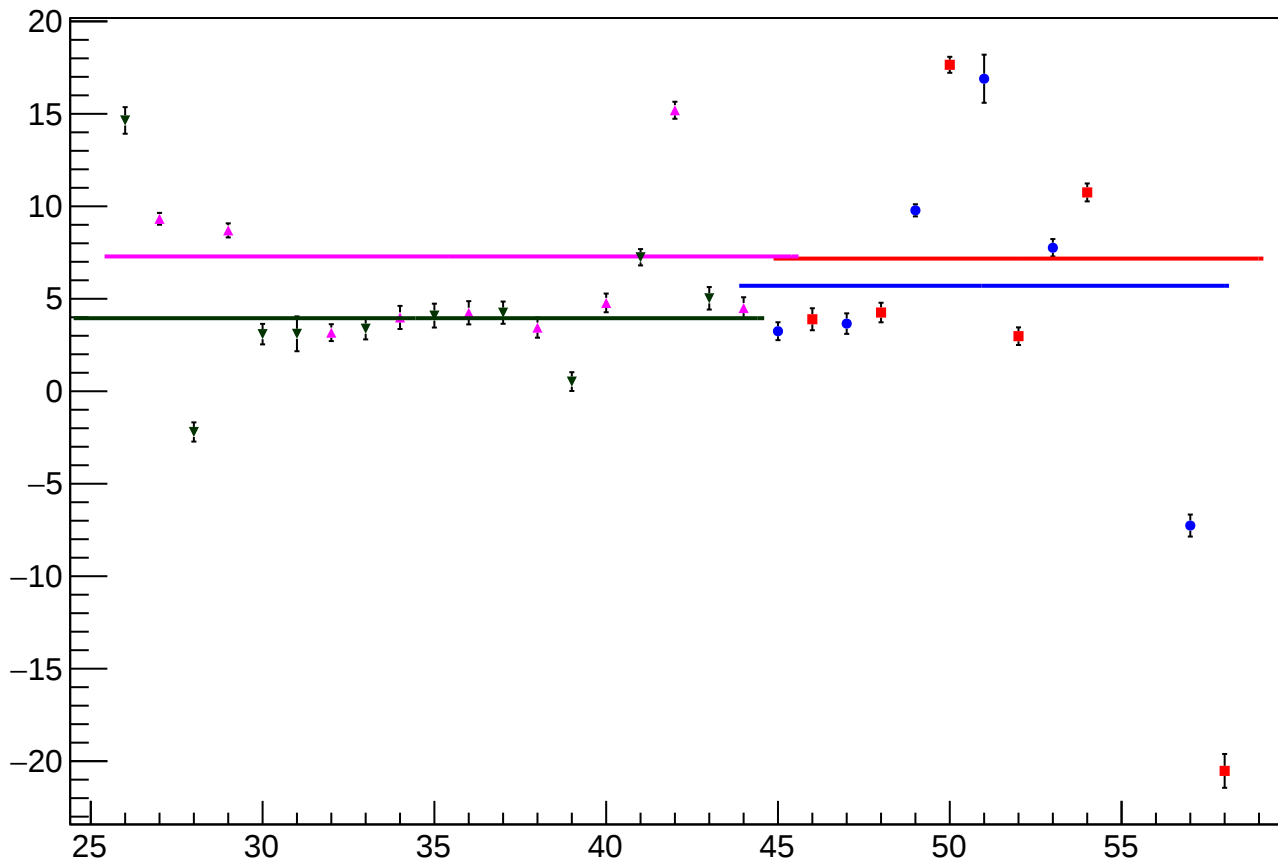
Right Out: 10.044+/-0.281 χ^2/NDF : 324.0/5

Left In: 18.390+/-0.216 χ^2/NDF : 1685.1/8

15.701+/-0.178 χ^2/NDF : 1743.9/15

15.295+/-0.171 χ^2/NDF : 2563.3/14

reg_asym_left_avg_diff_bpm4aY_slope vs slug



Right In: 5.703 $\pm$ 0.201 χ^2/NDF : 761.2/5

Left Out: 3.950 $\pm$ 0.183 χ^2/NDF : 470.4/9

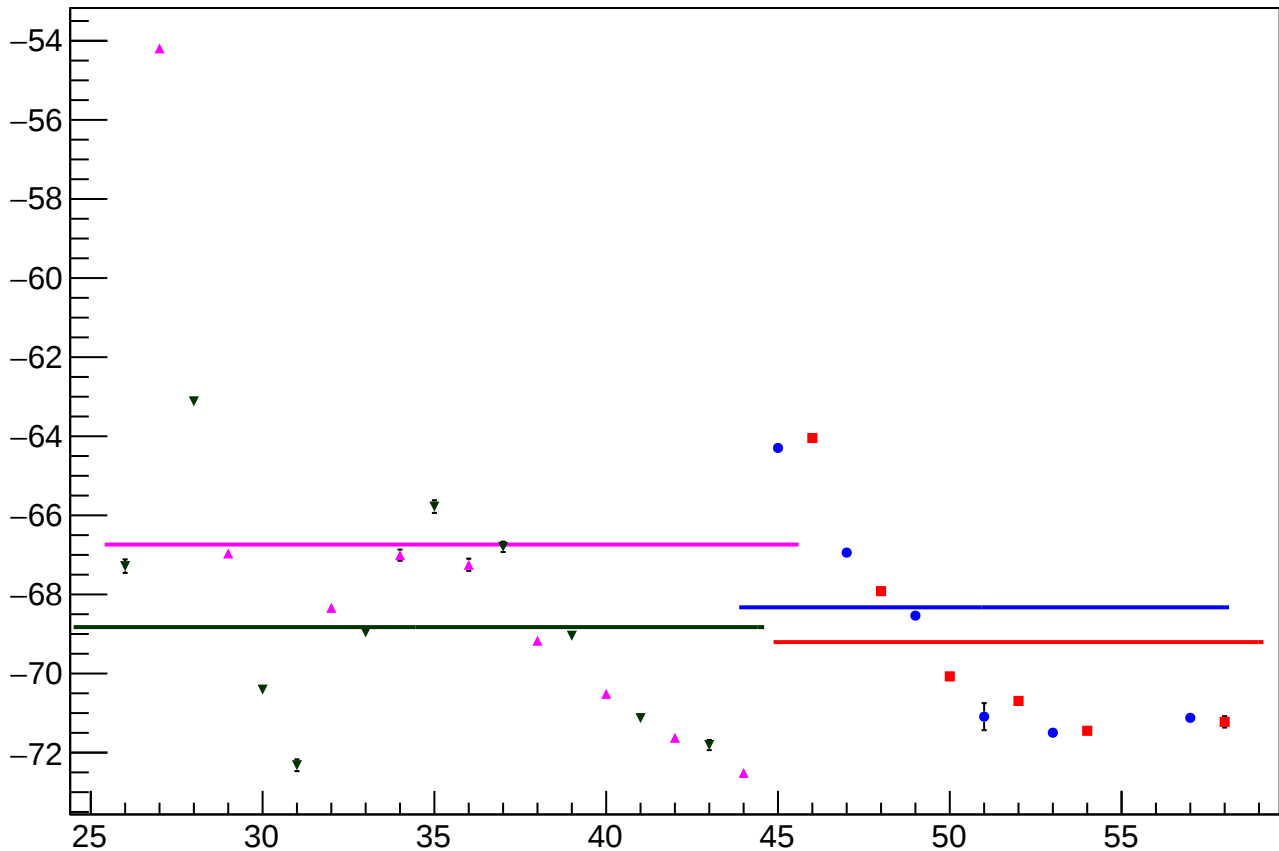
Right Out: 7.173 $\pm$ 0.215 χ^2/NDF : 1697.8/5

Left In: 7.289 $\pm$ 0.155 χ^2/NDF : 579.9/8

4.744 $\pm$ 0.135 χ^2/NDF : 1273.1/15

7.250 $\pm$ 0.126 χ^2/NDF : 2277.9/14

reg_asym_left_avg_diff_bpm4eX_slope vs slug



Right In: -68.326+/-0.047 χ^2/NDF : 2812.1/5

Left Out: -68.826+/-0.041 χ^2/NDF : 4587.0/9

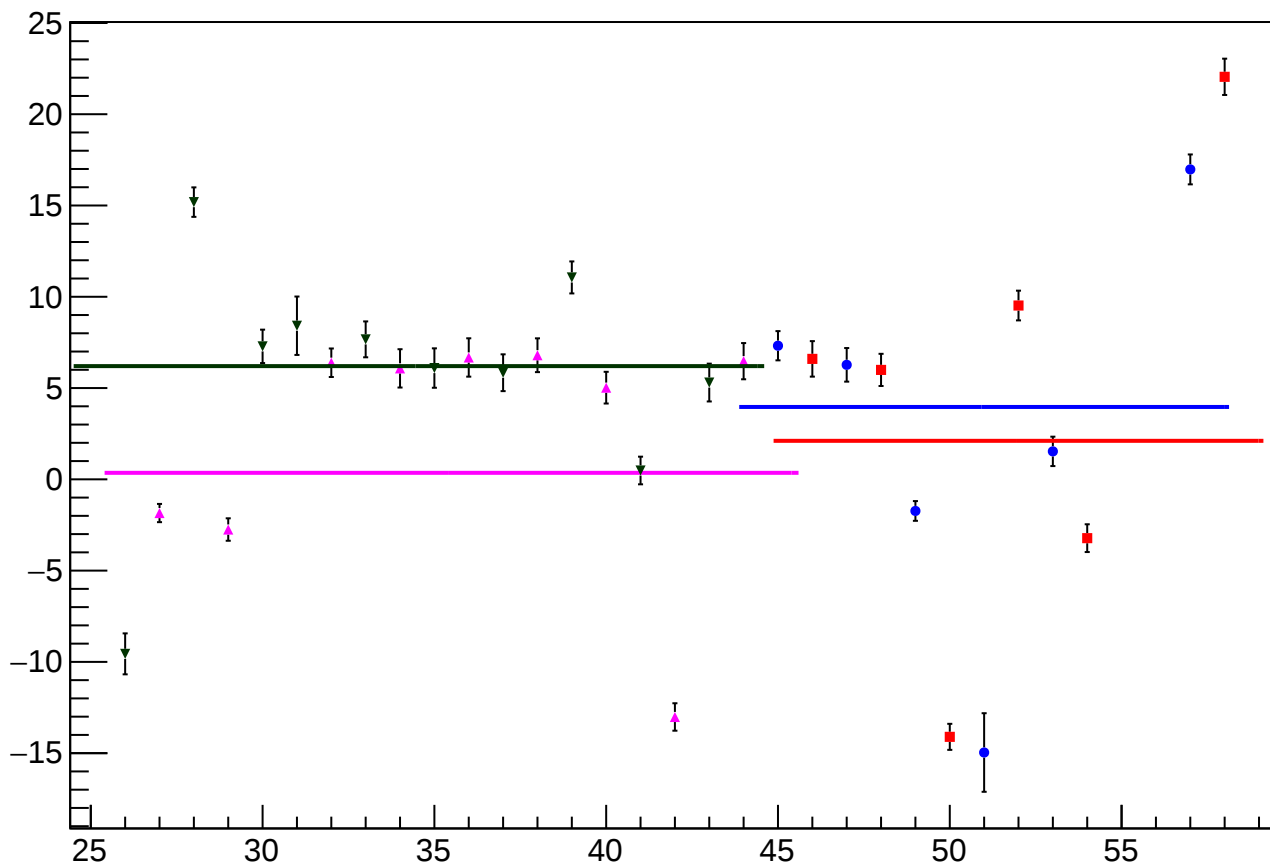
Right Out: -69.205+/-0.049 χ^2/NDF : 2690.8/5

Left In: -66.738+/-0.037 χ^2/NDF : 23839.7/8

-68.611+/-0.031 χ^2/NDF : 7464.3/15

-67.647+/-0.030 χ^2/NDF : 28146.0/14

reg_asym_left_avg_diff_bpm4eY_slope vs slug



Right In: 3.965 $\pm$ 0.326 χ^2 /NDF: 473.8/5

Left Out: 6.202 $\pm$ 0.305 χ^2 /NDF: 415.4/9

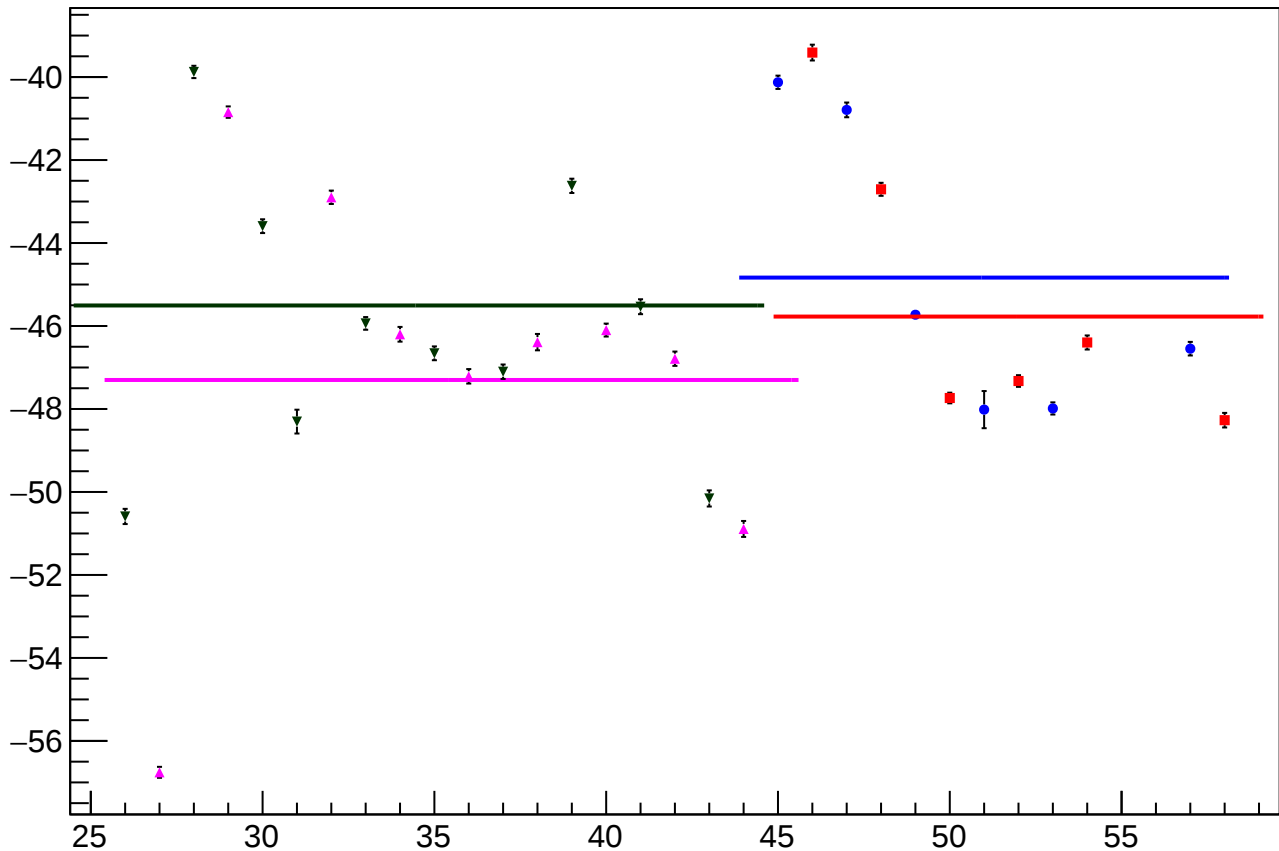
Right Out: 2.109 $\pm$ 0.342 χ^2 /NDF: 1091.8/5

Left In: 0.357 $\pm$ 0.255 χ^2 /NDF: 602.5/8

5.158 $\pm$ 0.223 χ^2 /NDF: 914.3/15

0.983 $\pm$ 0.204 χ^2 /NDF: 1711.2/14

reg_asym_left_avg_diff_bpm11X_slope vs slug



Right In: -44.833+/-0.063 χ^2/NDF : 2078.8/5

Left Out: -45.505+/-0.055 χ^2/NDF : 3423.9/9

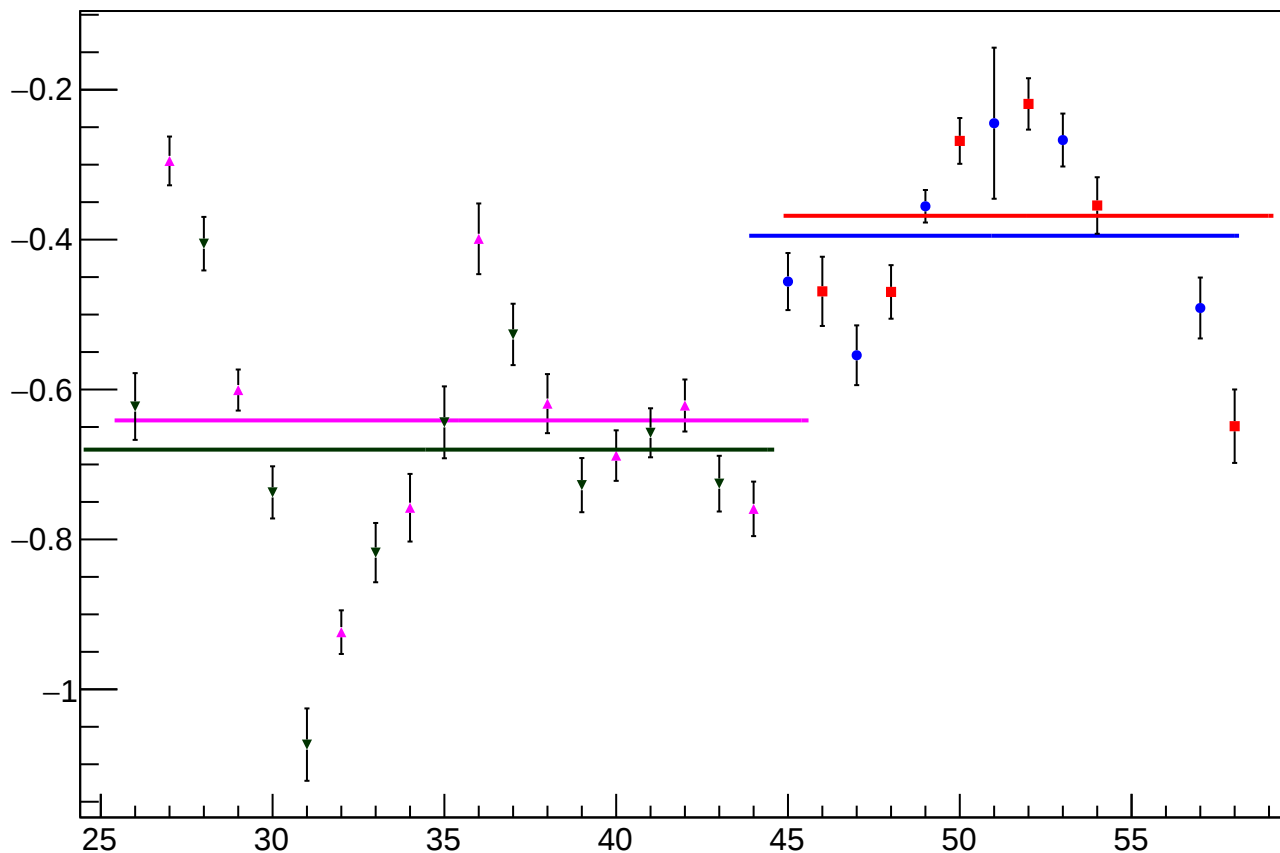
Right Out: -45.773+/-0.064 χ^2/NDF : 2066.2/5

Left In: -47.301+/-0.054 χ^2/NDF : 8552.3/8

-45.211+/-0.042 χ^2/NDF : 5567.3/15

-46.660+/-0.041 χ^2/NDF : 10952.3/14

reg_asym_left_dd_diff_bpm4aX_slope vs slug



Right In: -0.395 ± 0.014 χ^2/NDF : 42.8/5

Left Out: -0.680 ± 0.012 χ^2/NDF : 160.4/9

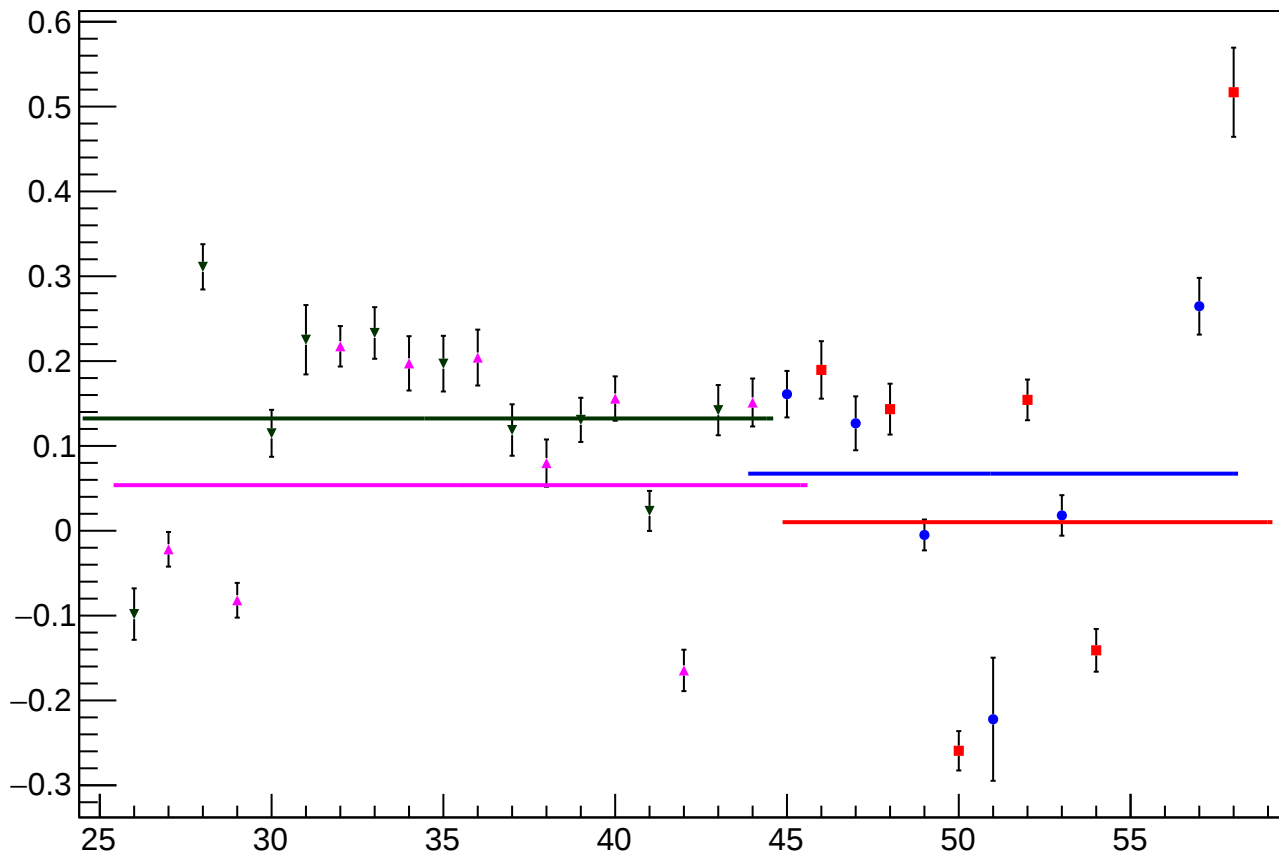
Right Out: -0.368 ± 0.015 χ^2/NDF : 75.4/5

Left In: -0.641 ± 0.012 χ^2/NDF : 255.8/8

-0.558 ± 0.009 χ^2/NDF : 434.1/15

-0.542 ± 0.009 χ^2/NDF : 534.8/14

reg_asym_left_dd_diff_bpm4aY_slope vs slug



Right In: 0.067 $\pm$ 0.011 χ^2 /NDF: 86.0/5

Left Out: 0.132 $\pm$ 0.009 χ^2 /NDF: 144.8/9

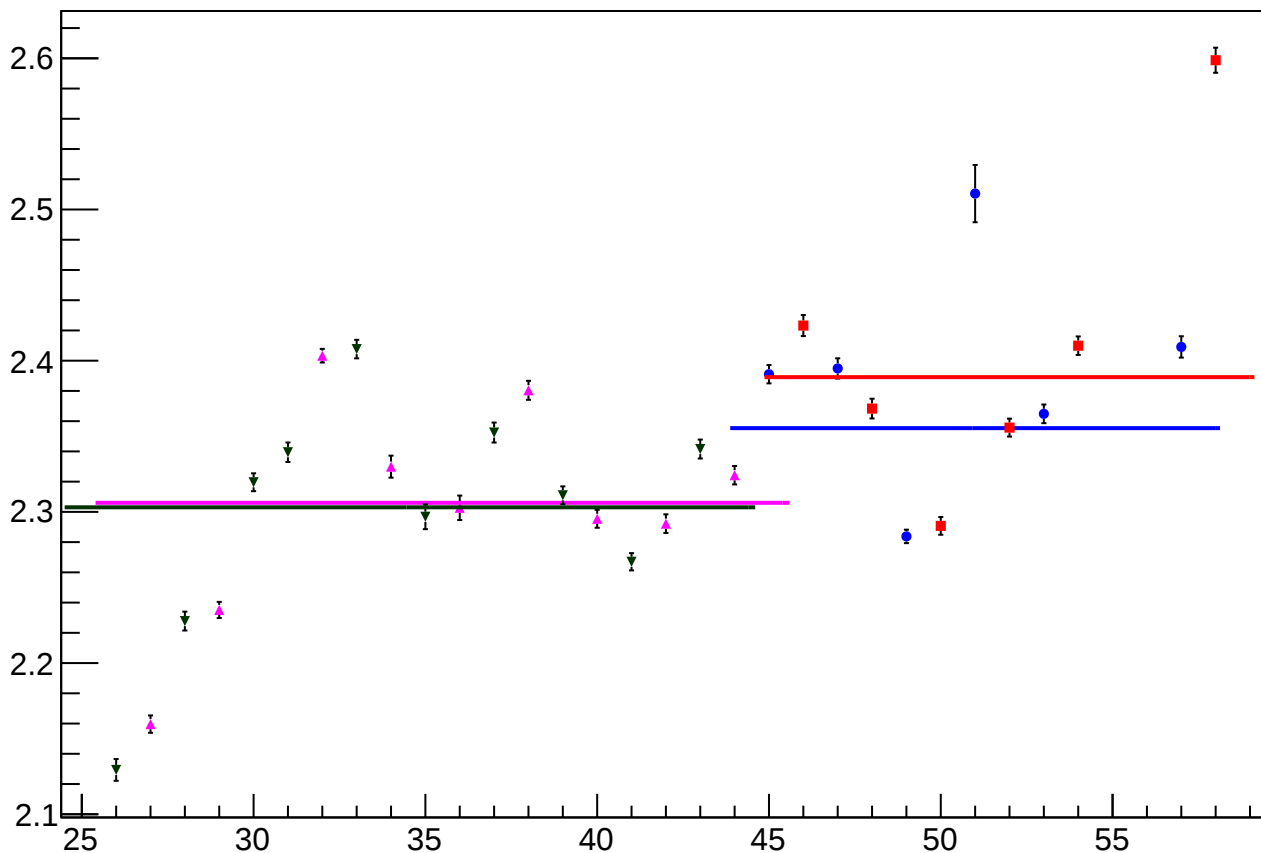
Right Out: 0.010 $\pm$ 0.012 χ^2 /NDF: 347.8/5

Left In: 0.054 $\pm$ 0.008 χ^2 /NDF: 253.9/8

0.106 $\pm$ 0.007 χ^2 /NDF: 251.3/15

0.039 $\pm$ 0.007 χ^2 /NDF: 611.0/14

reg_asym_left_dd_diff_bpm4eX_slope vs slug



Right In: 2.355 $\pm$ 0.003 χ^2 /NDF: 455.3/5

Left Out: 2.303 $\pm$ 0.002 χ^2 /NDF:1196.0/9

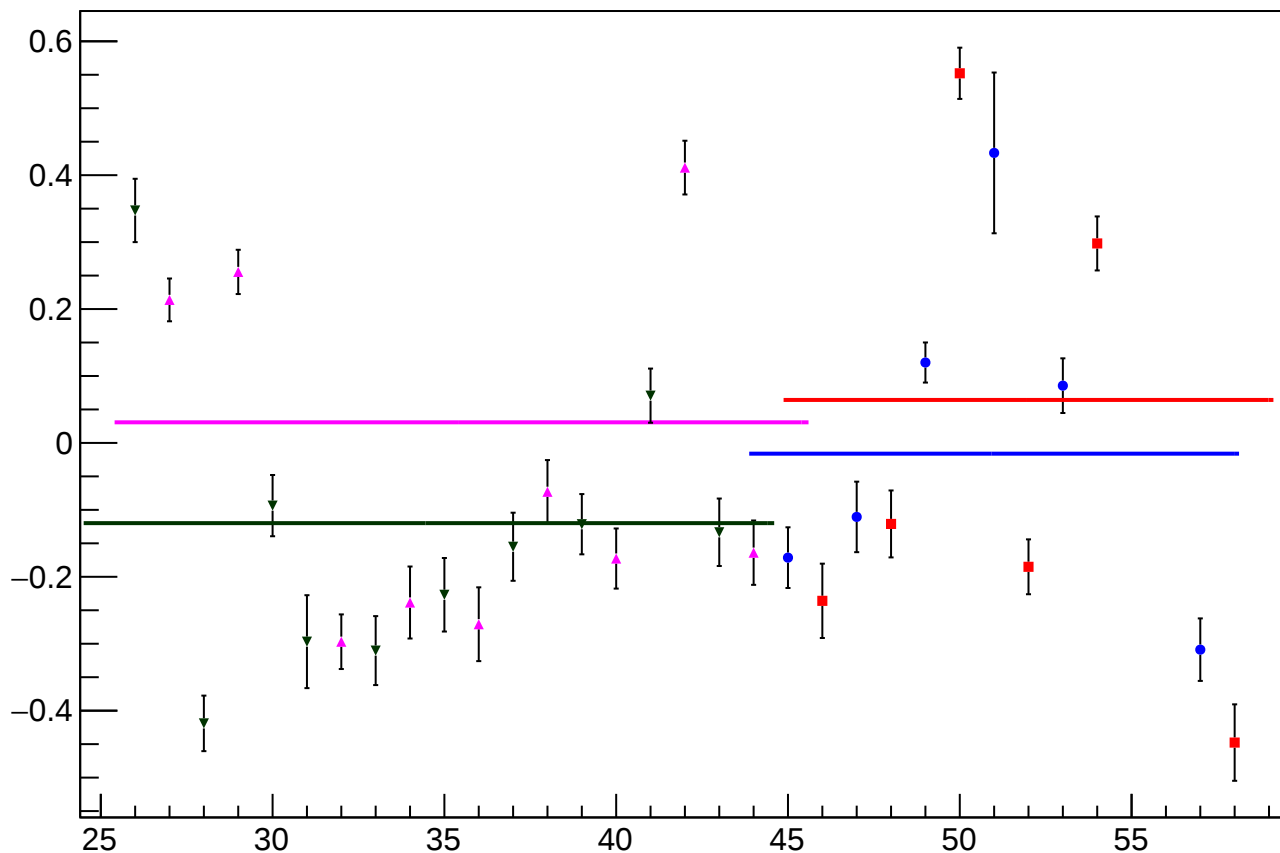
Right Out: 2.389 $\pm$ 0.003 χ^2 /NDF: 996.9/5

Left In: 2.306 $\pm$ 0.002 χ^2 /NDF:1460.1/8

2.323 $\pm$ 0.002 χ^2 /NDF: 1906.4/15

2.336 $\pm$ 0.002 χ^2 /NDF: 3090.8/14

reg_asym_left_dd_diff_bpm4eY_slope vs slug



Right In: -0.016 $\pm$ 0.018 χ^2 /NDF: 95.1/5

Left Out: -0.120 $\pm$ 0.015 χ^2 /NDF:196.6/9

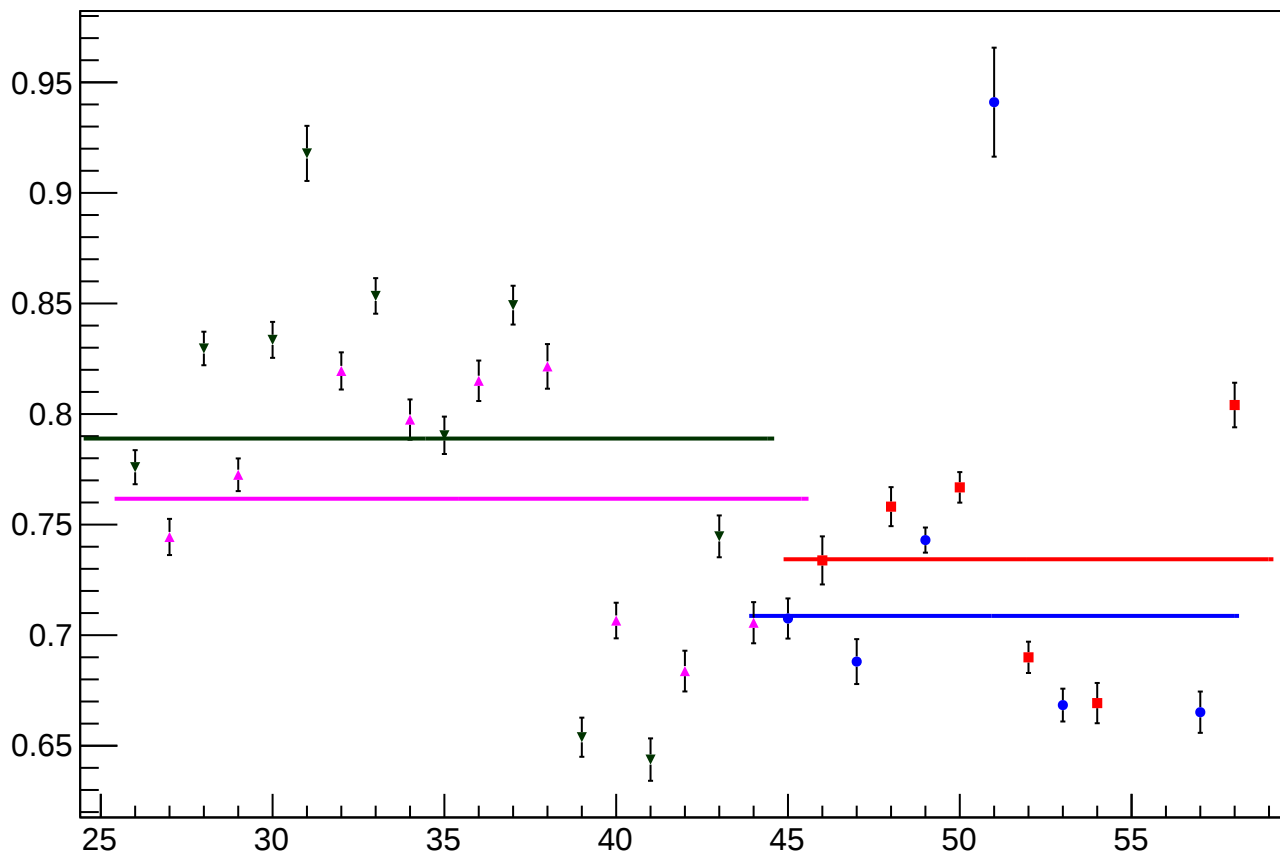
Right Out: 0.064 $\pm$ 0.018 χ^2 /NDF: 356.3/5

Left In: 0.031 $\pm$ 0.014 χ^2 /NDF:330.1/8

-0.076 $\pm$ 0.012 χ^2 /NDF: 311.1/15

0.043 $\pm$ 0.011 χ^2 /NDF: 688.5/14

reg_asym_left_dd_diff_bpm11X_slope vs slug



Right In: 0.709 $\pm$ 0.003 χ^2 /NDF: 180.8/5

Left Out: 0.789 $\pm$ 0.003 χ^2 /NDF: 764.3/9

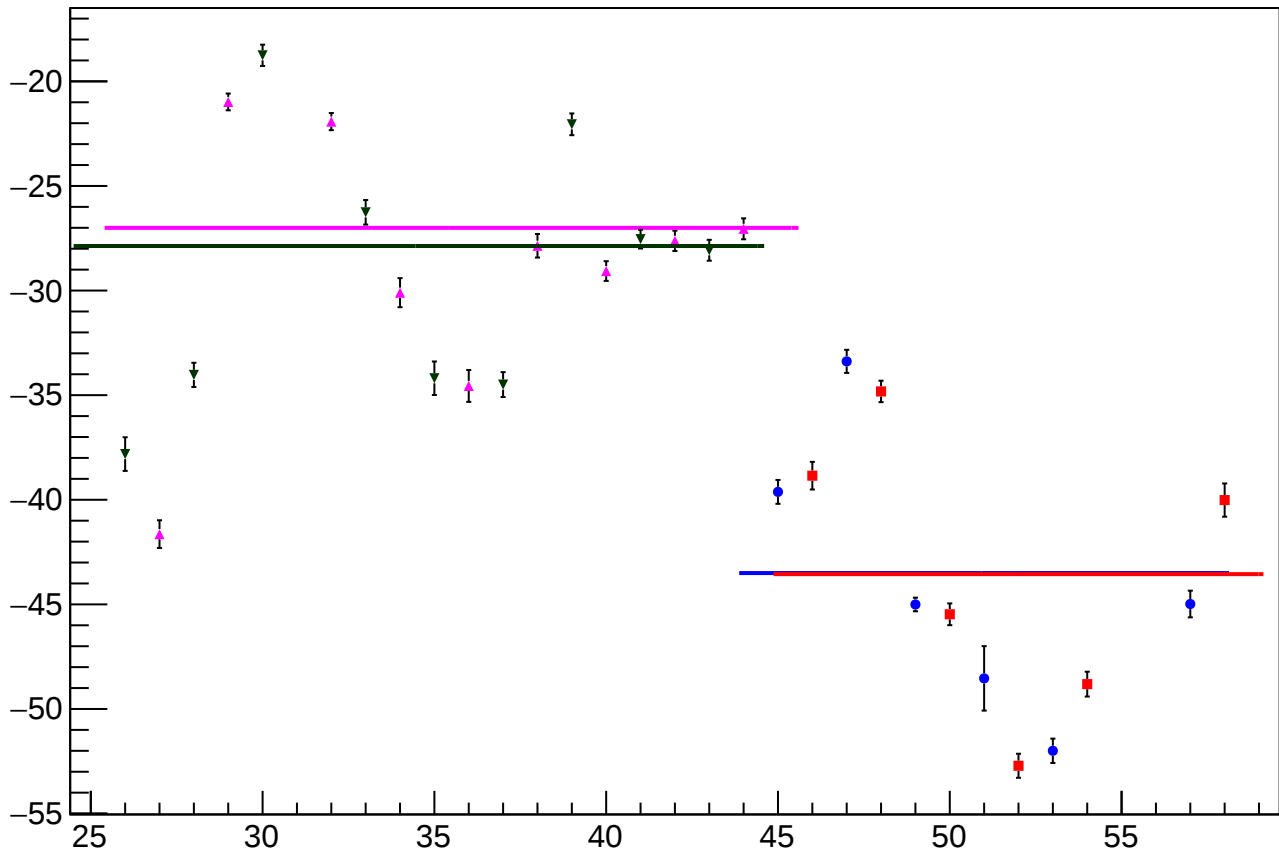
Right Out: 0.734 $\pm$ 0.003 χ^2 /NDF: 167.7/5

Left In: 0.762 $\pm$ 0.003 χ^2 /NDF: 293.2/8

0.758 $\pm$ 0.002 χ^2 /NDF: 1276.6/15

0.750 $\pm$ 0.002 χ^2 /NDF: 497.9/14

reg_asym_right_avg_diff_bpm4aX_slope vs slug



Right In: -43.503+/-0.215 χ^2/NDF : 632.8/5

Left Out: -27.871+/-0.188 χ^2/NDF : 907.3/8

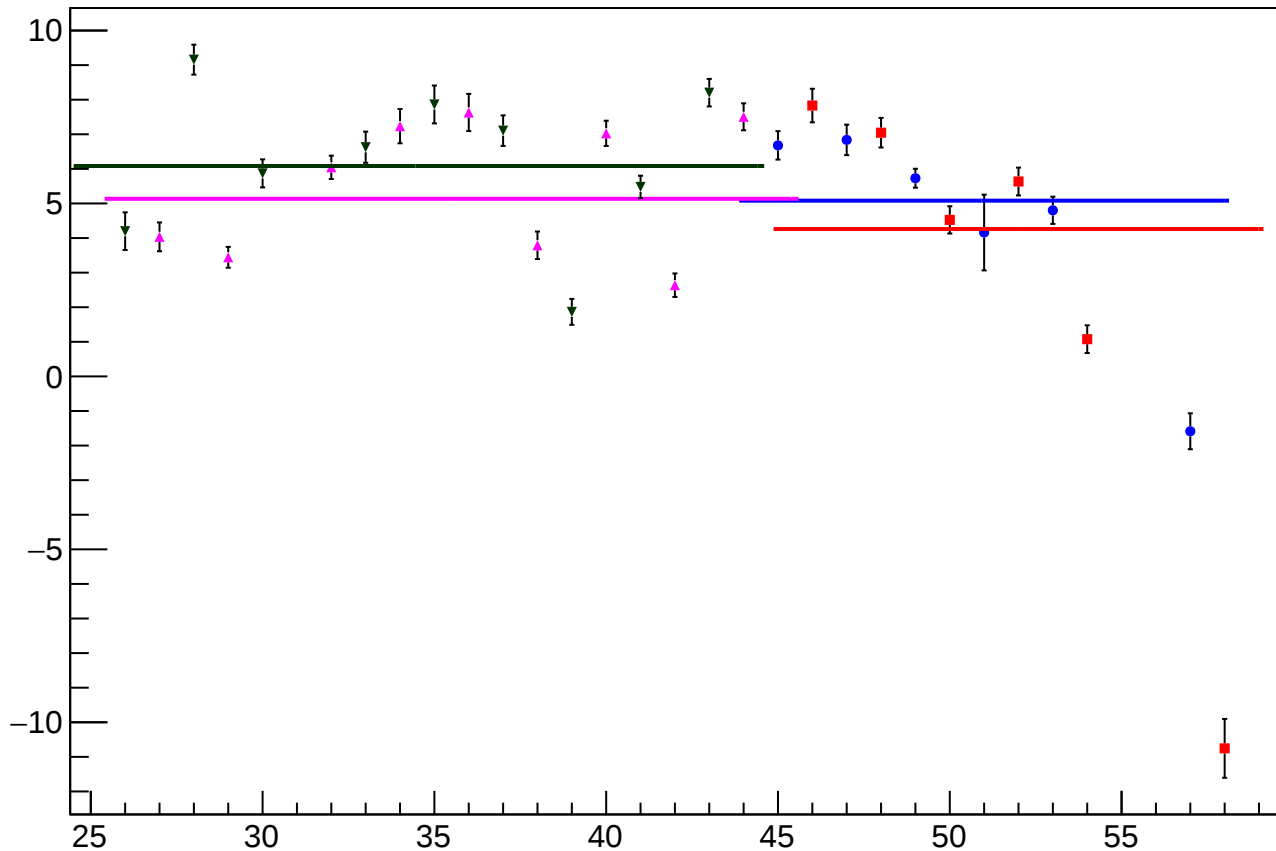
Right Out: -43.555+/-0.241 χ^2/NDF : 708.0/5

Left In: -27.003+/-0.171 χ^2/NDF : 1007.7/8

-34.632+/-0.141 χ^2/NDF : 4542.3/14

-32.565+/-0.140 χ^2/NDF : 4854.8/14

reg_asym_right_avg_diff_bpm4aY_slope vs slug



Right In: 5.081 $\pm$ 0.168 χ^2 /NDF: 202.4/5

Left Out: 6.083 $\pm$ 0.140 χ^2 /NDF: 238.9/8

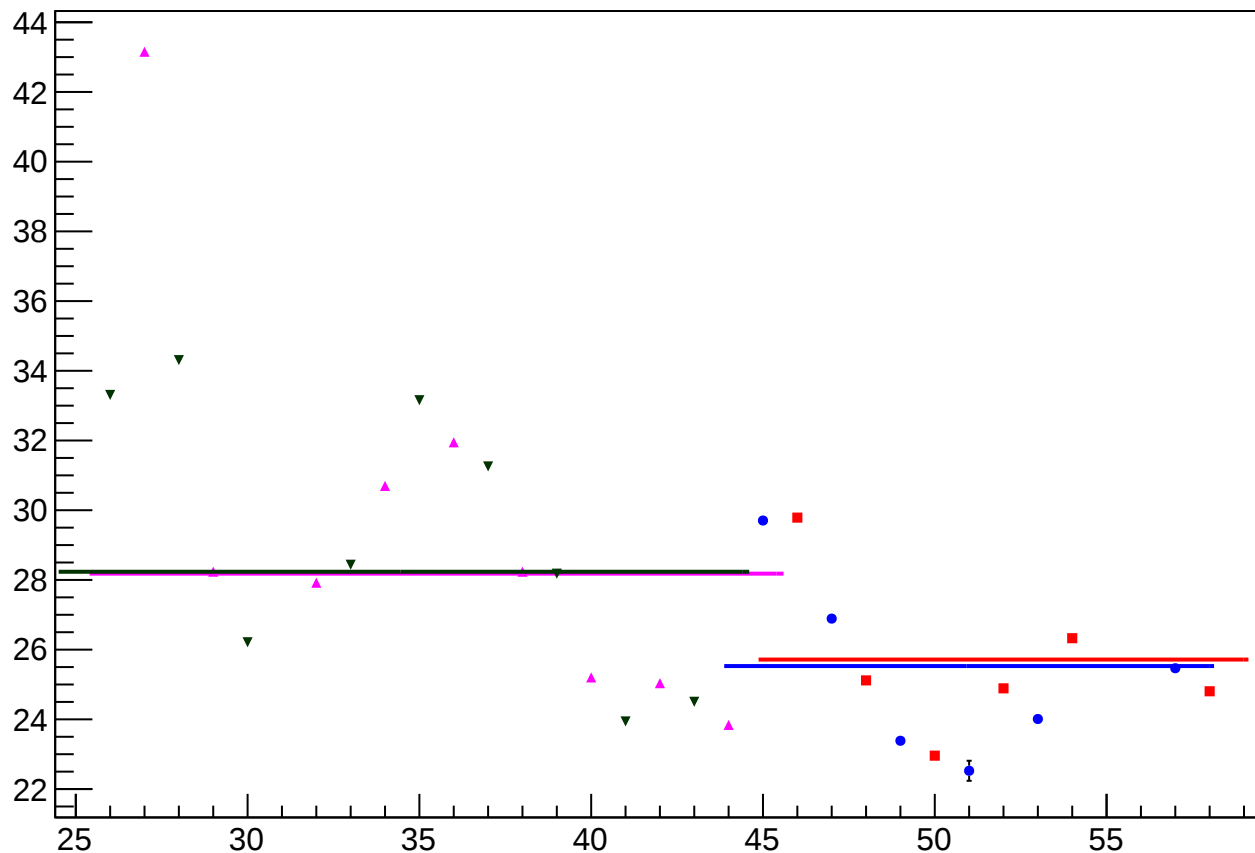
Right Out: 4.262 $\pm$ 0.183 χ^2 /NDF: 482.8/5

Left In: 5.135 $\pm$ 0.127 χ^2 /NDF: 214.5/8

5.673 $\pm$ 0.107 χ^2 /NDF: 462.3/14

4.851 $\pm$ 0.104 χ^2 /NDF: 712.7/14

reg_asym_right_avg_diff_bpm4eX_slope vs slug



Right In: 25.529+/-0.039 χ^2/NDF : 3688.6/5

Left Out: 28.235+/-0.031 χ^2/NDF :12988.2/8

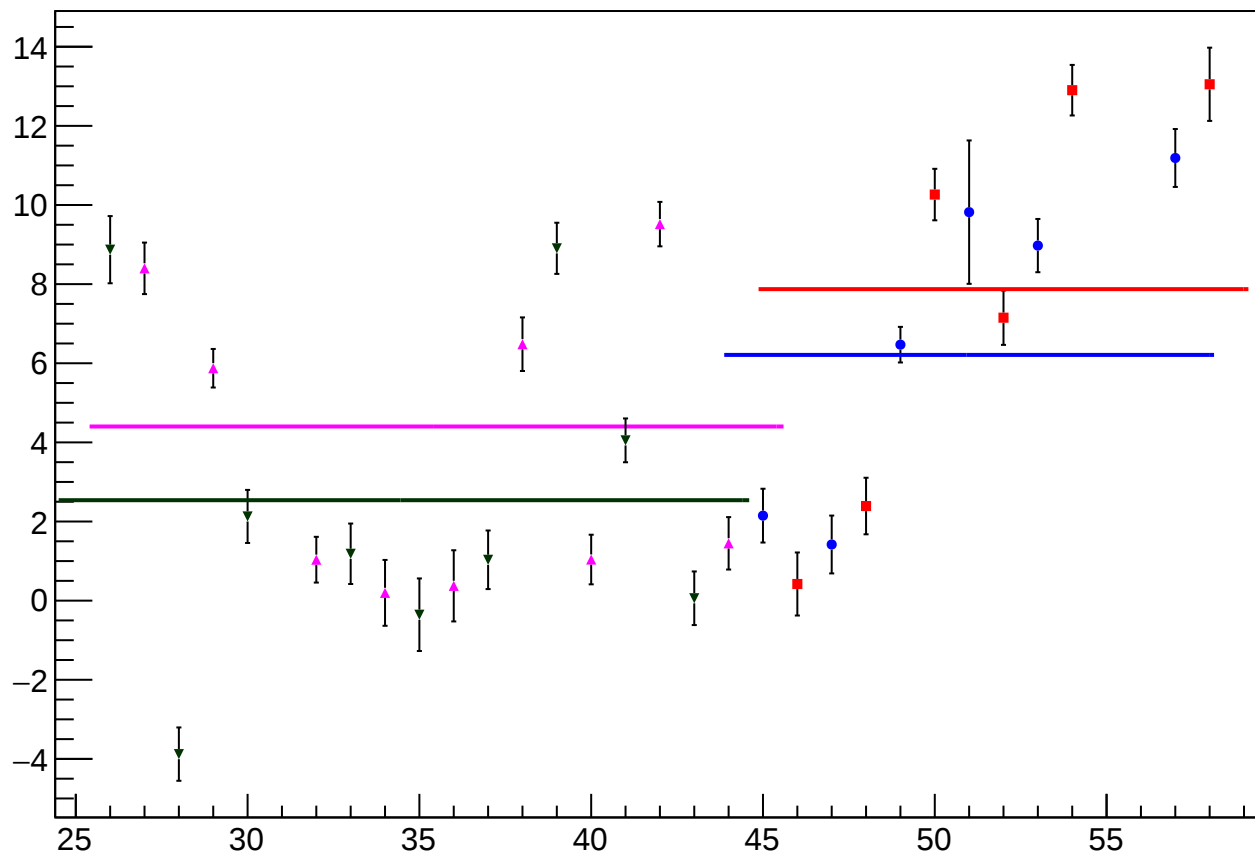
Right Out: 25.715+/-0.041 χ^2/NDF : 2638.4/5

Left In: 28.180+/-0.029 χ^2/NDF :23006.5/8

27.182+/-0.024 χ^2/NDF : 19587.5/14

27.357+/-0.024 χ^2/NDF : 28009.8/14

reg_asym_right_avg_diff_bpm4eY_slope vs slug



Right In: 6.211 ± 0.274 χ^2/NDF : 146.1/5

Left Out: 2.539 ± 0.233 χ^2/NDF : 281.6/8

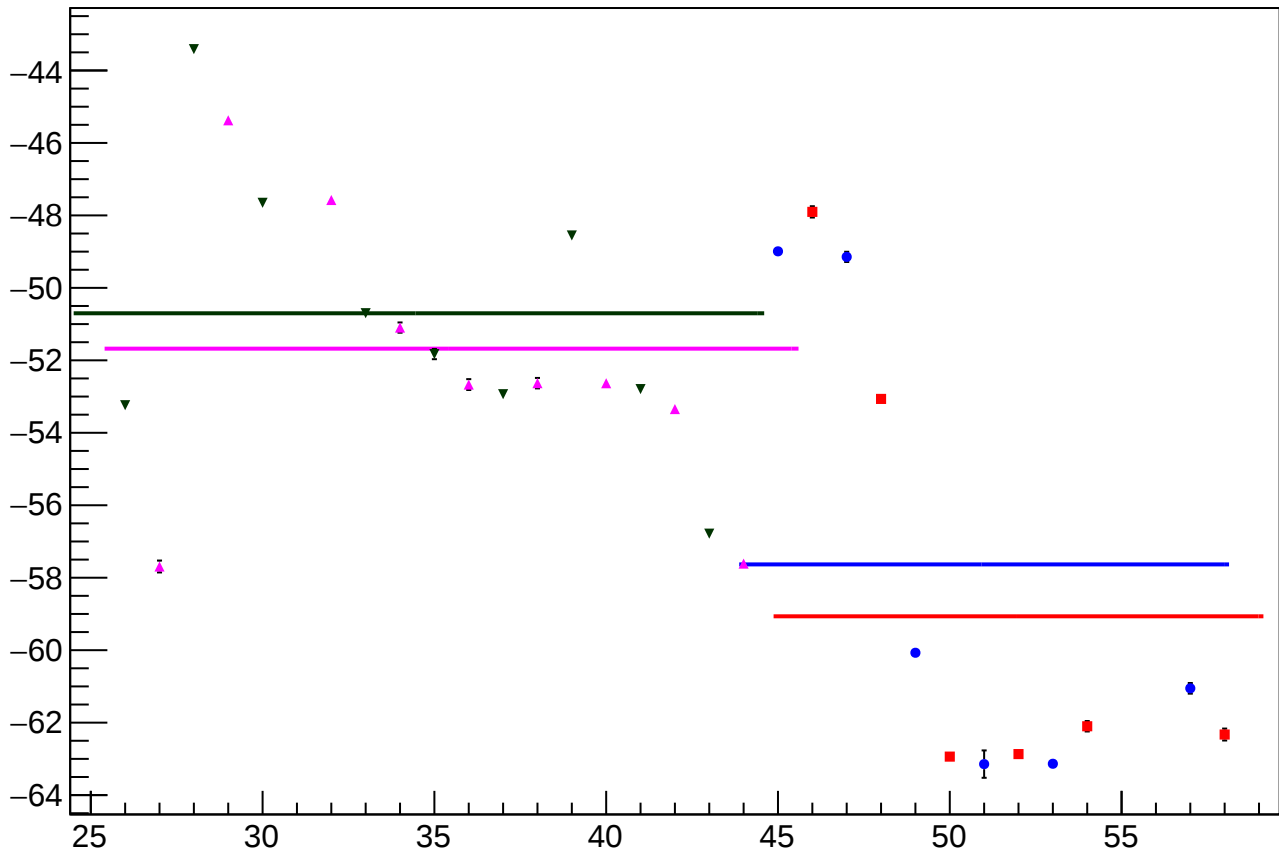
Right Out: 7.873 ± 0.293 χ^2/NDF : 254.2/5

Left In: 4.402 ± 0.211 χ^2/NDF : 267.4/8

4.085 ± 0.178 χ^2/NDF : 531.9/14

5.587 ± 0.171 χ^2/NDF : 613.8/14

reg_asym_right_avg_diff_bpm11X_slope vs slug



Right In: -57.633 $\pm$ 0.053 χ^2 /NDF: 11249.7/5

Left Out: -50.702 $\pm$ 0.043 χ^2 /NDF: 7639.1/8

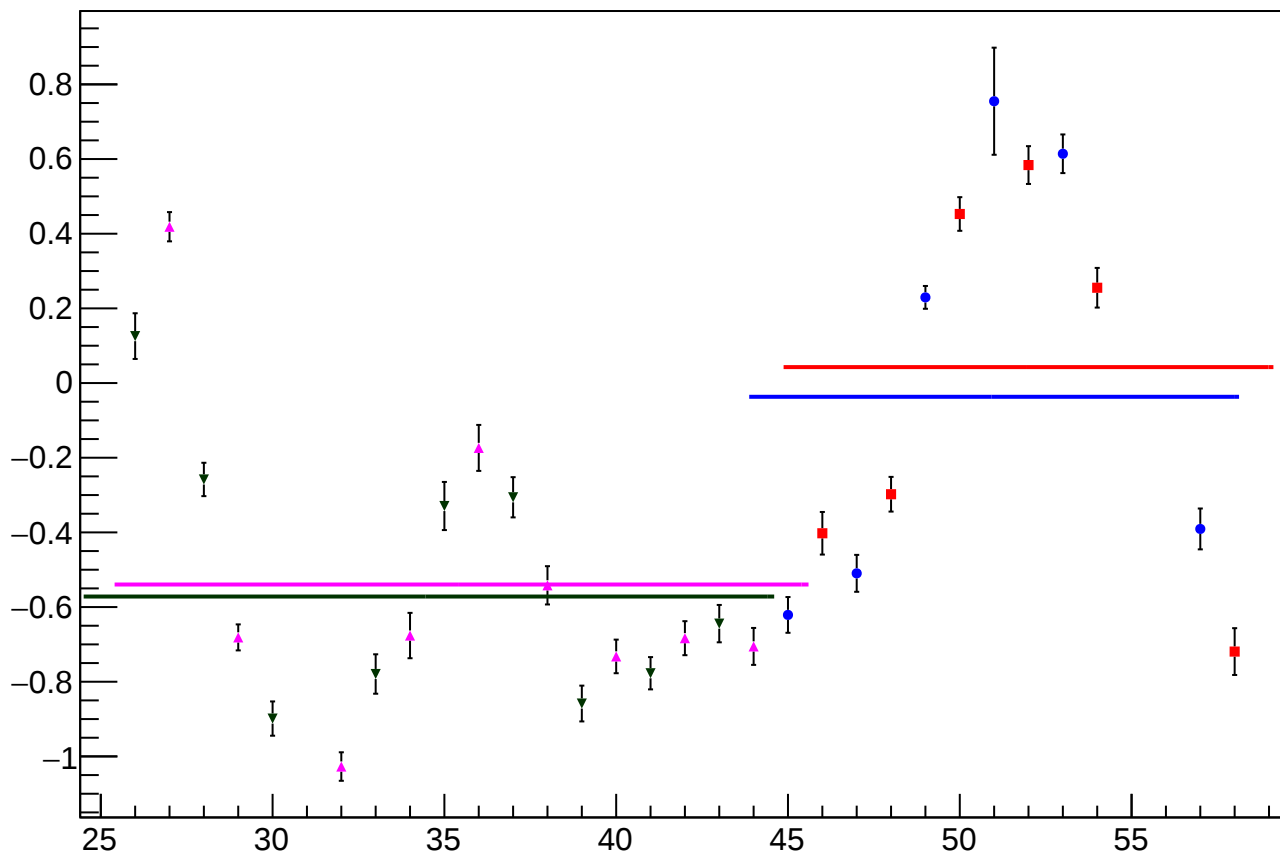
Right Out: -59.065 $\pm$ 0.055 χ^2 /NDF: 10219.3/5

Left In: -51.678 $\pm$ 0.043 χ^2 /NDF: 8312.3/8

-53.446 $\pm$ 0.033 χ^2 /NDF: 29328.7/14

-54.497 $\pm$ 0.034 χ^2 /NDF: 29640.0/14

reg_asym_right_dd_diff_bpm4aX_slope vs slug



Right In: -0.037 $\pm$ 0.019 χ^2 /NDF: 546.6/5

Left Out: -0.572 $\pm$ 0.017 χ^2 /NDF:344.3/8

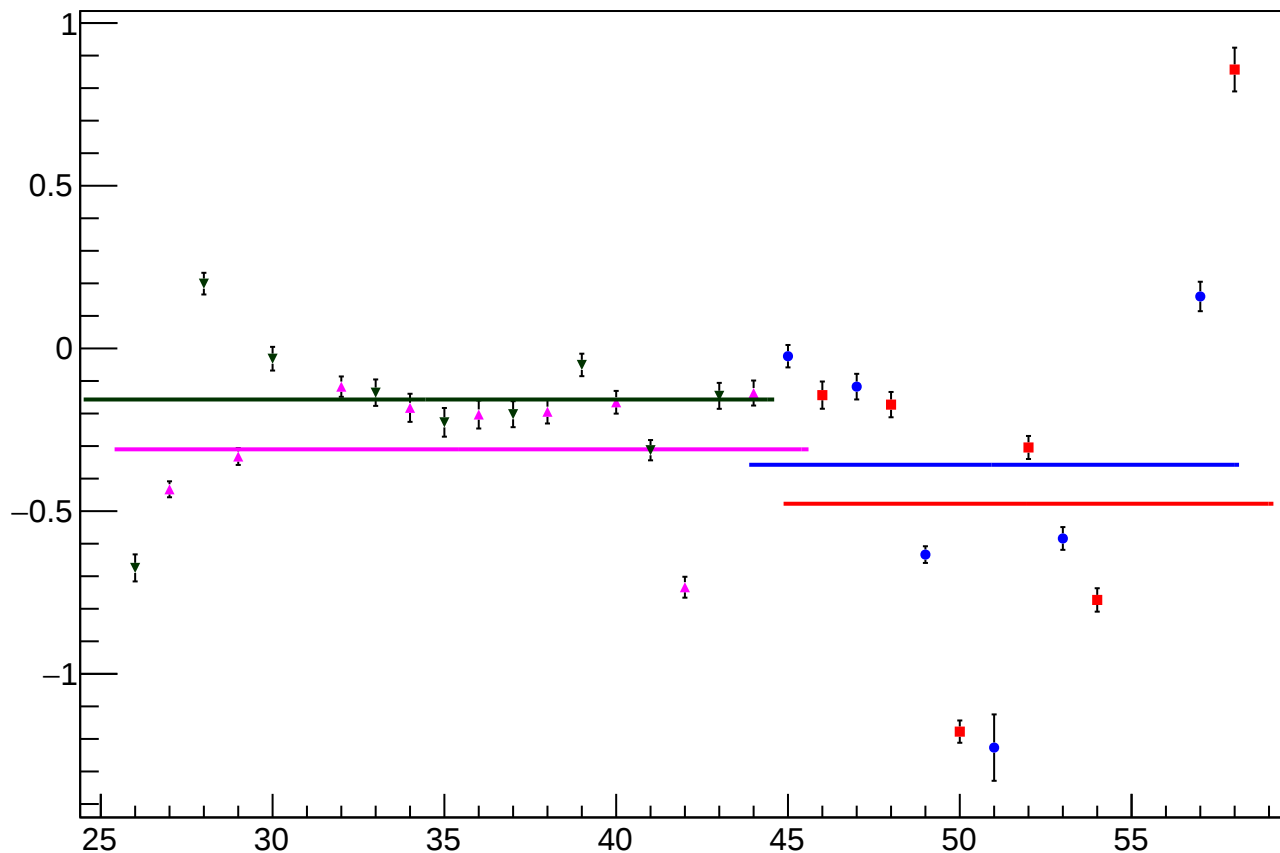
Right Out: 0.043 $\pm$ 0.021 χ^2 /NDF: 475.4/5

Left In: -0.540 $\pm$ 0.015 χ^2 /NDF:857.8/8

-0.342 $\pm$ 0.013 χ^2 /NDF: 1327.5/14

-0.344 $\pm$ 0.012 χ^2 /NDF: 1842.0/14

reg_asym_right_dd_diff_bpm4aY_slope vs slug



Right In: -0.357 ± 0.015 χ^2/NDF : 492.0/5

Left Out: -0.157 ± 0.012 χ^2/NDF : 319.9/8

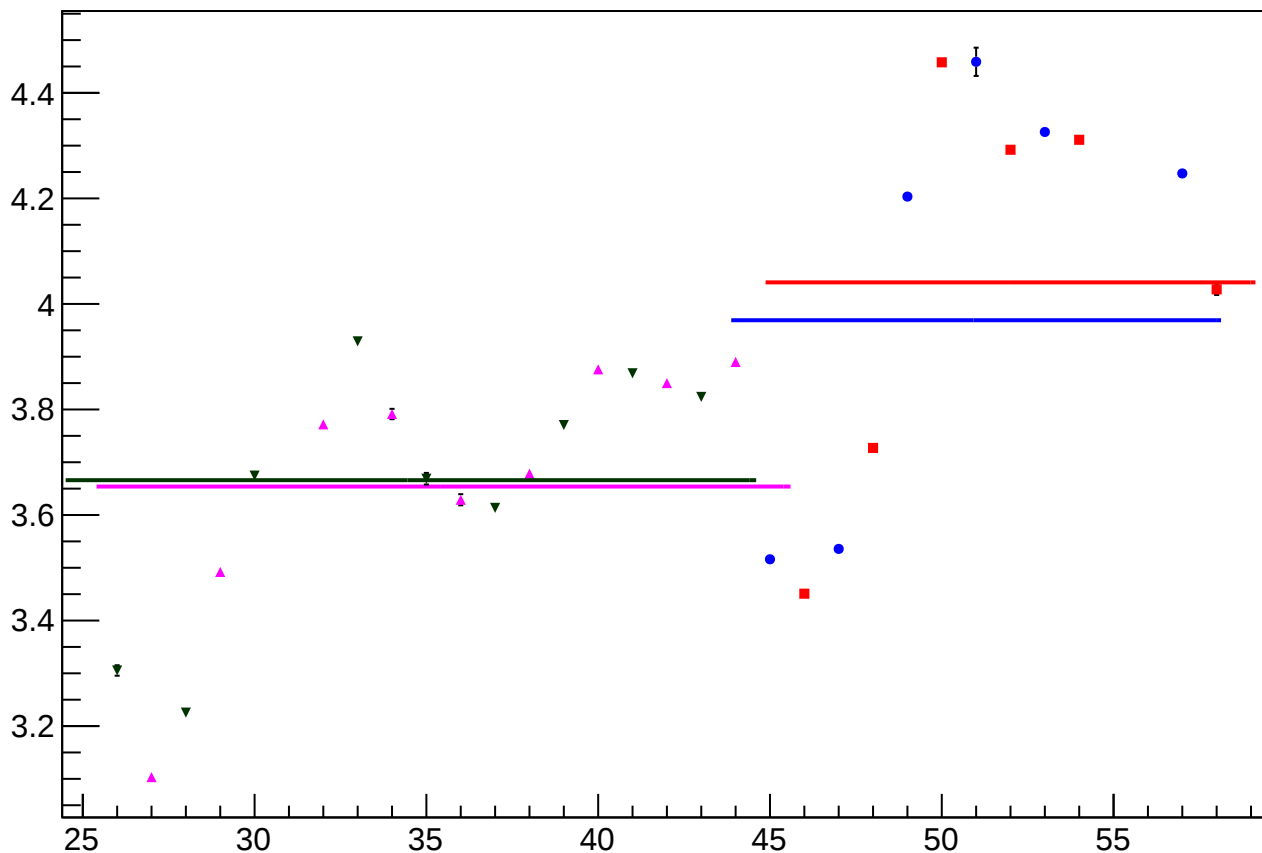
Right Out: -0.477 ± 0.016 χ^2/NDF : 1028.2/5

Left In: -0.310 ± 0.011 χ^2/NDF : 300.3/8

-0.238 ± 0.010 χ^2/NDF : 917.5/14

-0.363 ± 0.009 χ^2/NDF : 1402.9/14

reg_asym_right_dd_diff_bpm4eX_slope vs slug



Right In: 3.969 $\pm$ 0.003 χ^2 /NDF: 10391.8/5

Left Out: 3.666 $\pm$ 0.003 χ^2 /NDF:6817.2/8

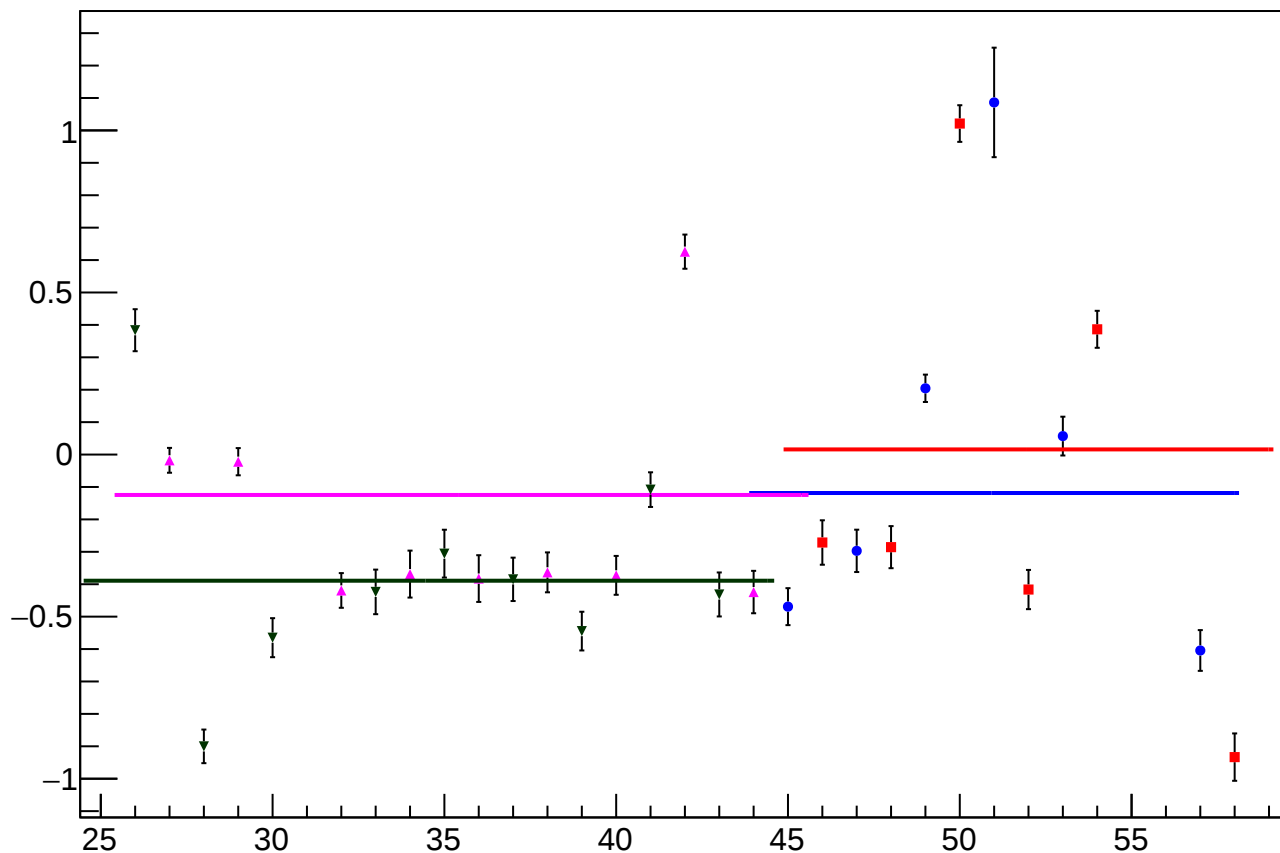
Right Out: 4.041 $\pm$ 0.004 χ^2 /NDF: 10205.2/5

Left In: 3.654 $\pm$ 0.003 χ^2 /NDF:9613.6/8

3.785 $\pm$ 0.002 χ^2 /NDF: 21780.2/14

3.784 $\pm$ 0.002 χ^2 /NDF: 27398.1/14

reg_asym_right_dd_diff_bpm4eY_slope vs slug



Right In: -0.119 $\pm$ 0.024 χ^2 /NDF: 223.0/5

Left Out: -0.389 $\pm$ 0.021 χ^2 /NDF: 284.2/8

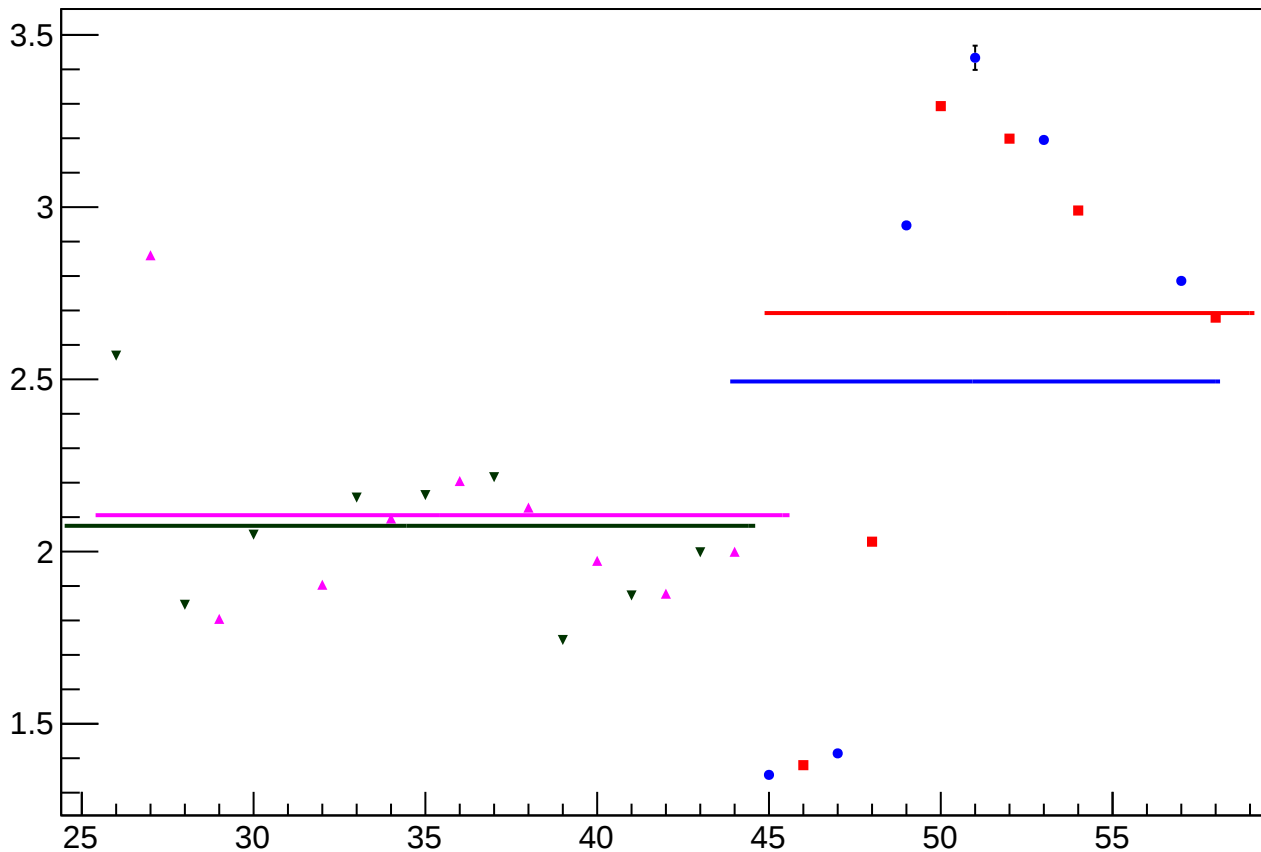
Right Out: 0.016 $\pm$ 0.026 χ^2 /NDF: 617.5/5

Left In: -0.125 $\pm$ 0.018 χ^2 /NDF: 324.0/8

-0.277 $\pm$ 0.016 χ^2 /NDF: 578.7/14

-0.078 $\pm$ 0.015 χ^2 /NDF: 961.7/14

reg_asym_right_dd_diff_bpm11X_slope vs slug



Right In: 2.494 $\pm$ 0.005 χ^2 /NDF: 25946.3/5

Left Out: 2.075 $\pm$ 0.004 χ^2 /NDF:4111.6/8

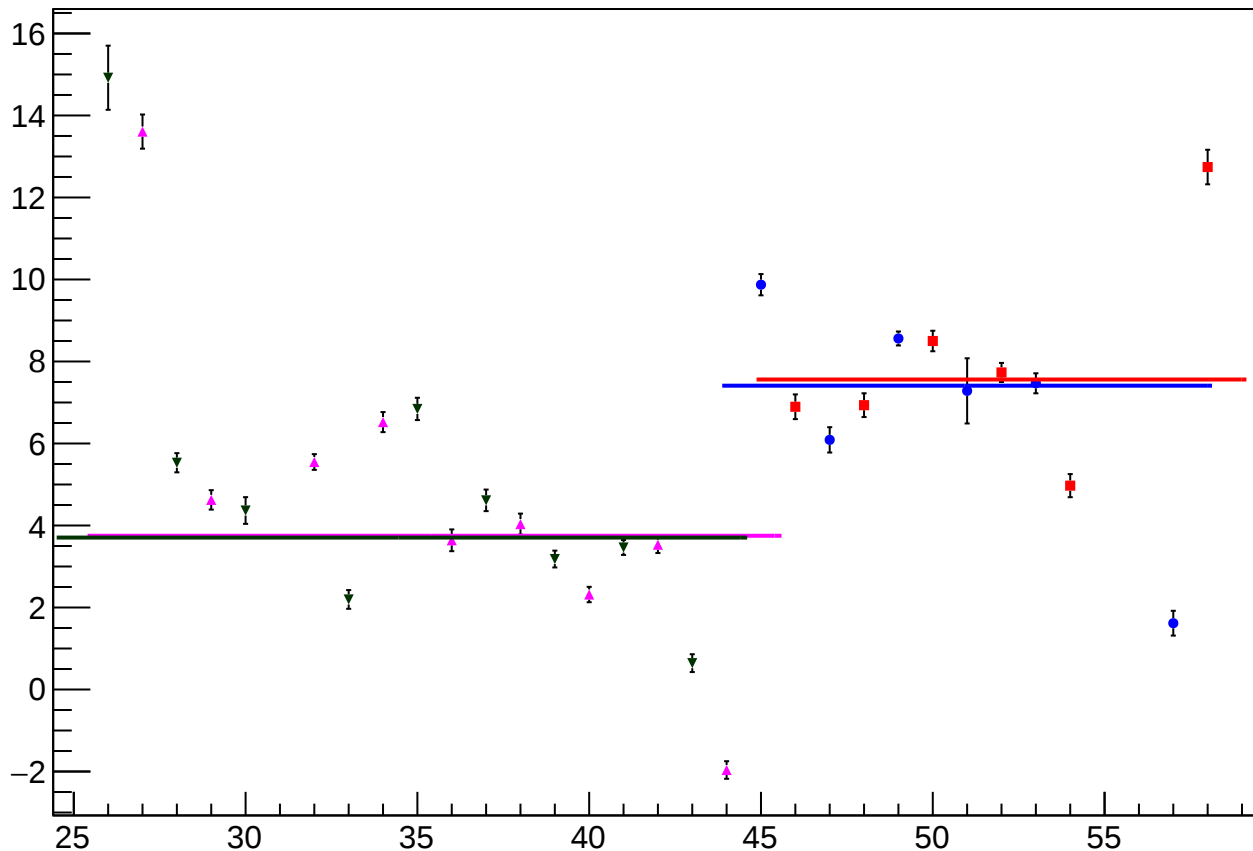
Right Out: 2.692 $\pm$ 0.005 χ^2 /NDF: 19172.0/5

Left In: 2.106 $\pm$ 0.004 χ^2 /NDF:7840.1/8

2.236 $\pm$ 0.003 χ^2 /NDF: 34927.1/14

2.330 $\pm$ 0.003 χ^2 /NDF: 36347.0/14

reg_asym_sam_15_avg_diff_bpm4aX_slope vs slug



Right In: 7.410 $\pm$ 0.106 χ^2 /NDF: 521.0/5

Left Out: 3.706 $\pm$ 0.081 χ^2 /NDF: 665.5/8

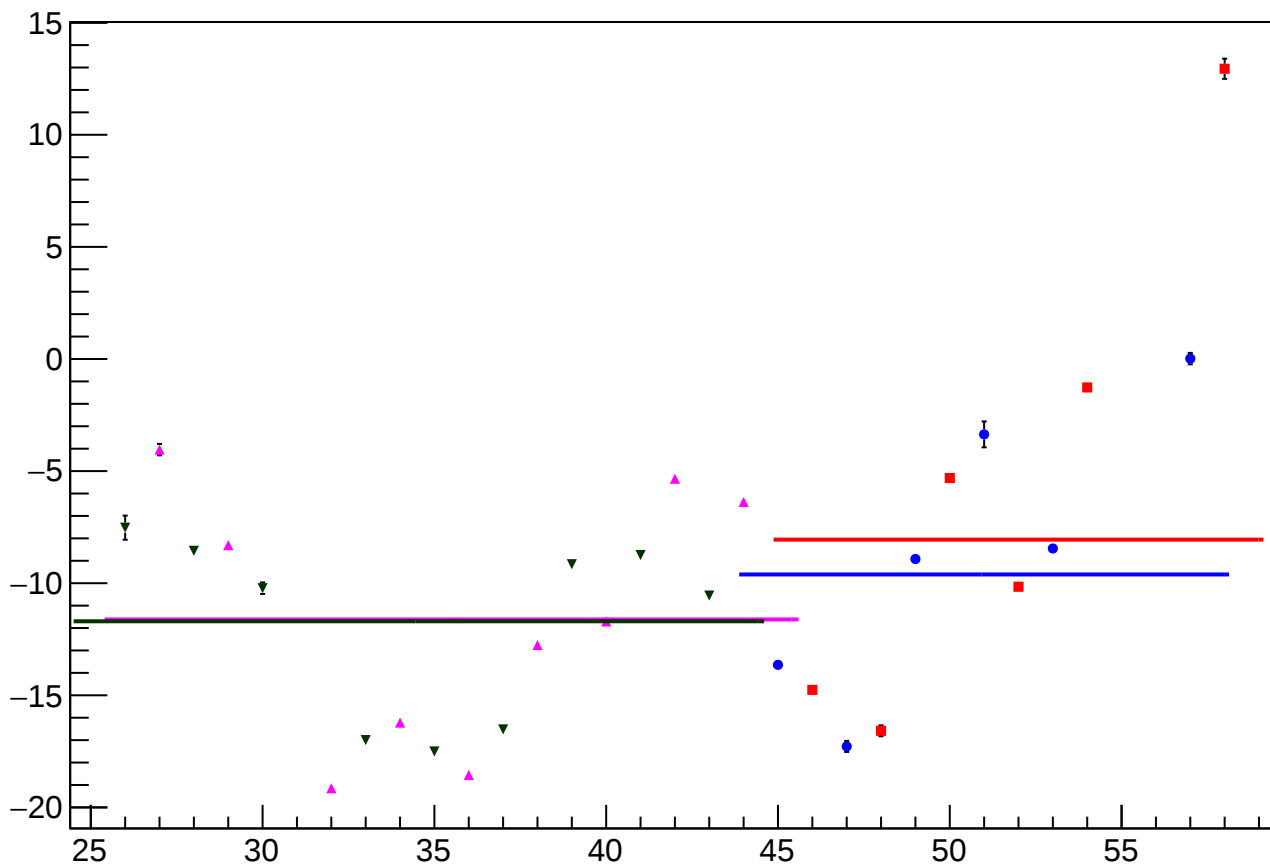
Right Out: 7.561 $\pm$ 0.115 χ^2 /NDF: 259.5/5

Left In: 3.750 $\pm$ 0.076 χ^2 /NDF: 1560.3/8

5.077 $\pm$ 0.064 χ^2 /NDF: 1957.0/14

4.915 $\pm$ 0.064 χ^2 /NDF: 2580.8/14

reg_asym_sam_15_avg_diff_bpm4aY_slope vs slug



Right In: -9.610+/-0.082 χ^2/NDF : 3051.7/5

Left Out: -11.699+/-0.060 χ^2/NDF : 3753.7/8

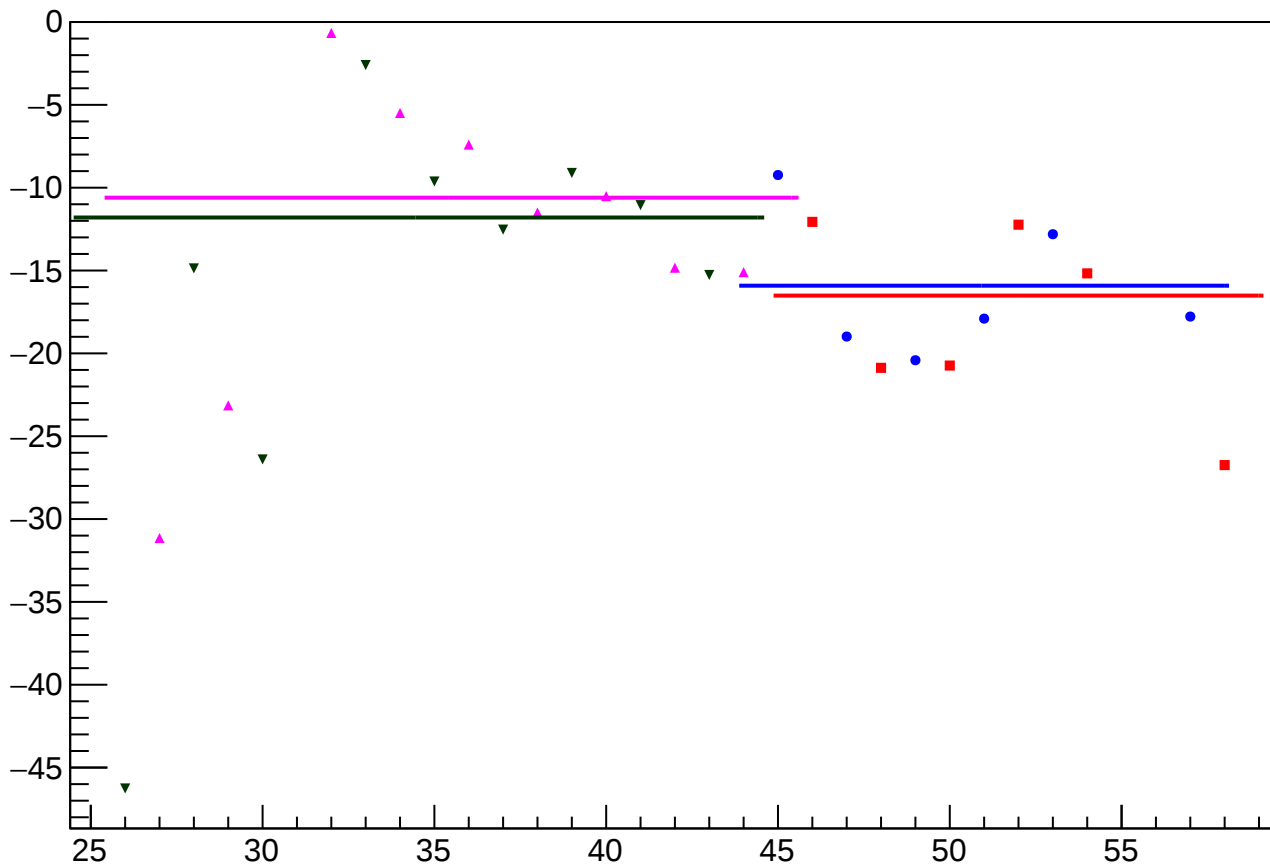
Right Out: -8.056+/-0.086 χ^2/NDF : 5949.5/5

Left In: -11.617+/-0.057 χ^2/NDF : 8593.1/8

-10.968+/-0.049 χ^2/NDF : 7226.4/14

-10.546+/-0.047 χ^2/NDF : 15732.8/14

reg_asym_sam_15_avg_diff_bpm4eX_slope vs slug



Right In: -15.915 $\pm$ 0.019 χ^2 /NDF: 52890.8/5

Left Out: -11.800 $\pm$ 0.014 χ^2 /NDF: 232573.7/8

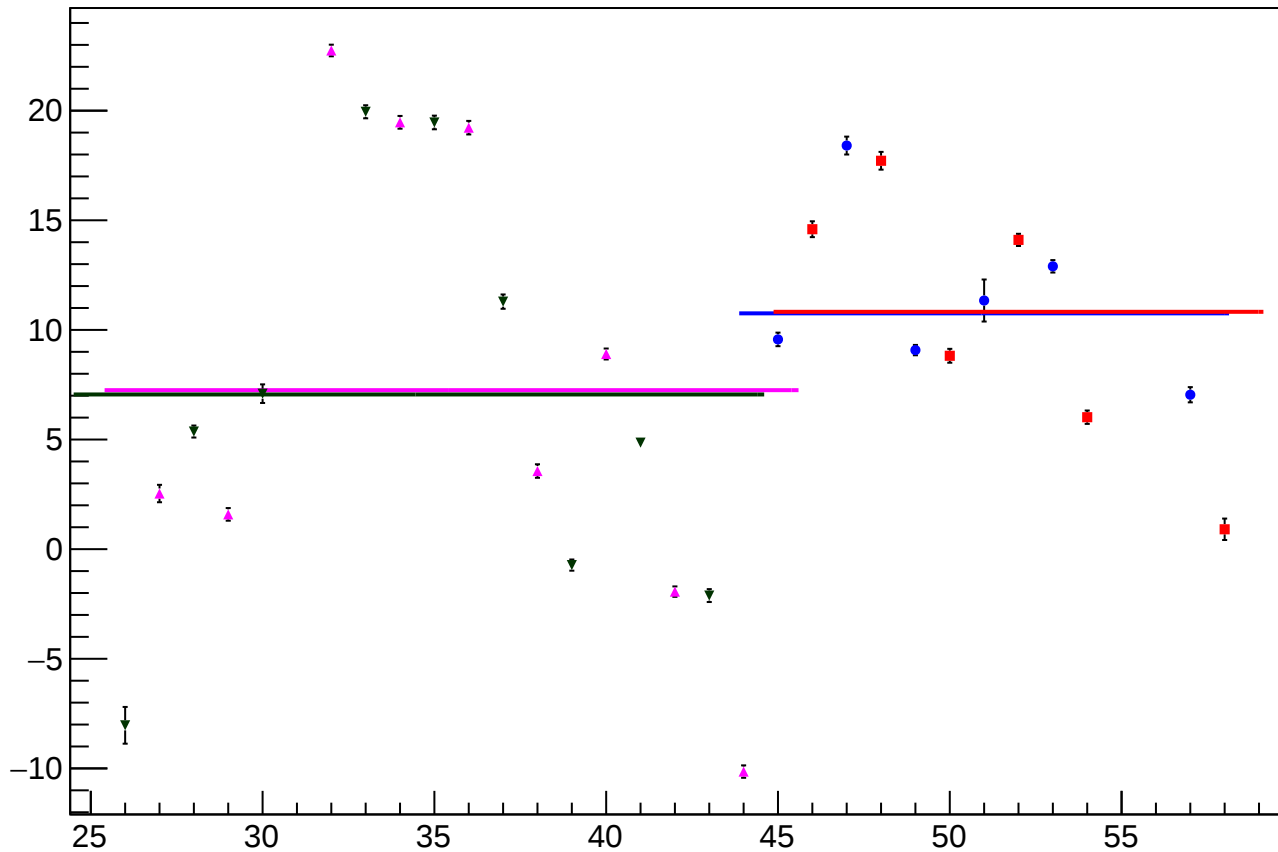
Right Out: -16.513 $\pm$ 0.020 χ^2 /NDF: 56896.2/5

Left In: -10.603 $\pm$ 0.013 χ^2 /NDF: 320499.6/8

-13.177 $\pm$ 0.011 χ^2 /NDF: 316290.4/14

-12.369 $\pm$ 0.011 χ^2 /NDF: 440361.1/14

reg_asym_sam_15_avg_diff_bpm4eY_slope vs slug



Right In: 10.755+/-0.133 χ^2/NDF : 588.5/5

Left Out: 7.056+/-0.101 χ^2/NDF : 5984.3/8

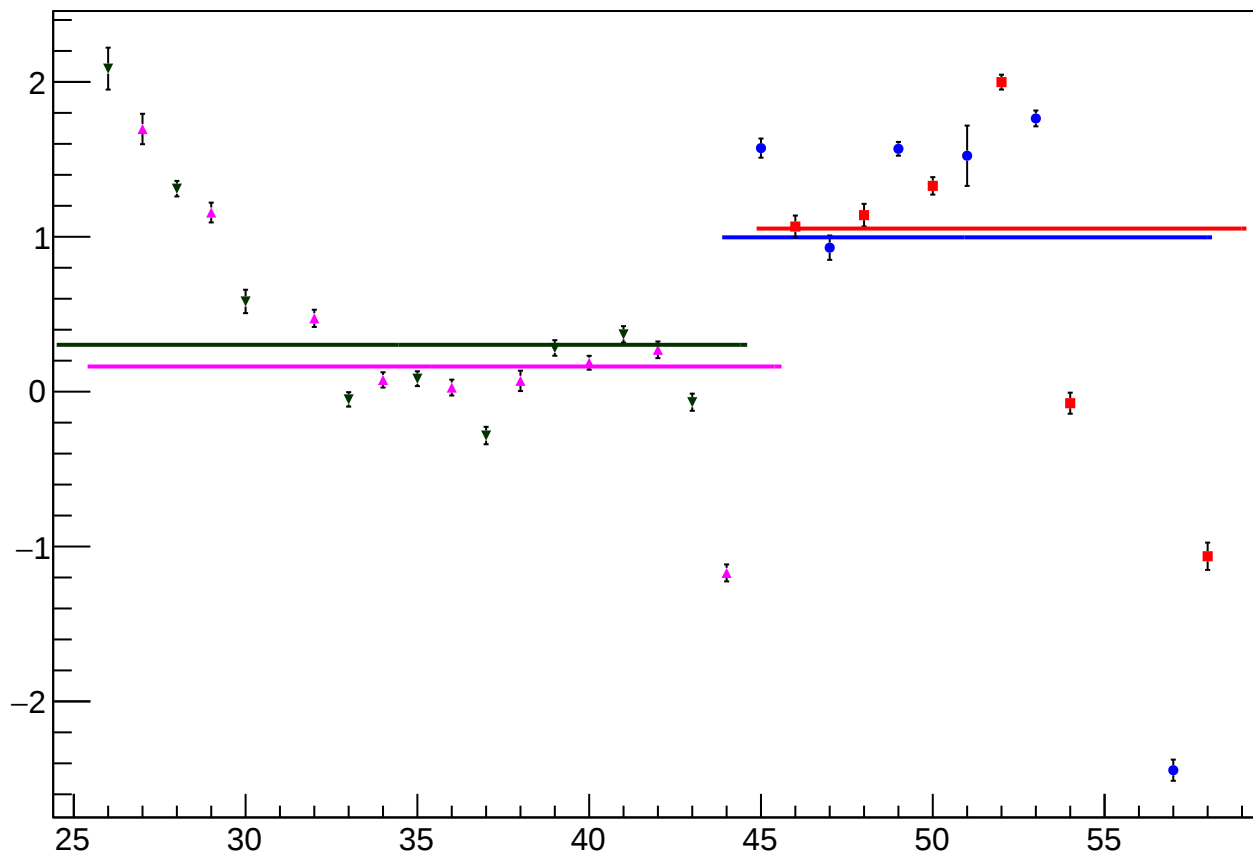
Right Out: 10.826+/-0.139 χ^2/NDF : 1237.0/5

Left In: 7.252+/-0.095 χ^2/NDF : 12651.2/8

8.404+/-0.081 χ^2/NDF : 7061.3/14

8.382+/-0.078 χ^2/NDF : 14338.4/14

reg_asym_sam_15_avg_diff_bpm11X_slope vs slug



Right In: 0.996±/0.025 χ^2/NDF : 3018.4/5

Left Out: 0.303±/0.019 χ^2/NDF : 825.4/8

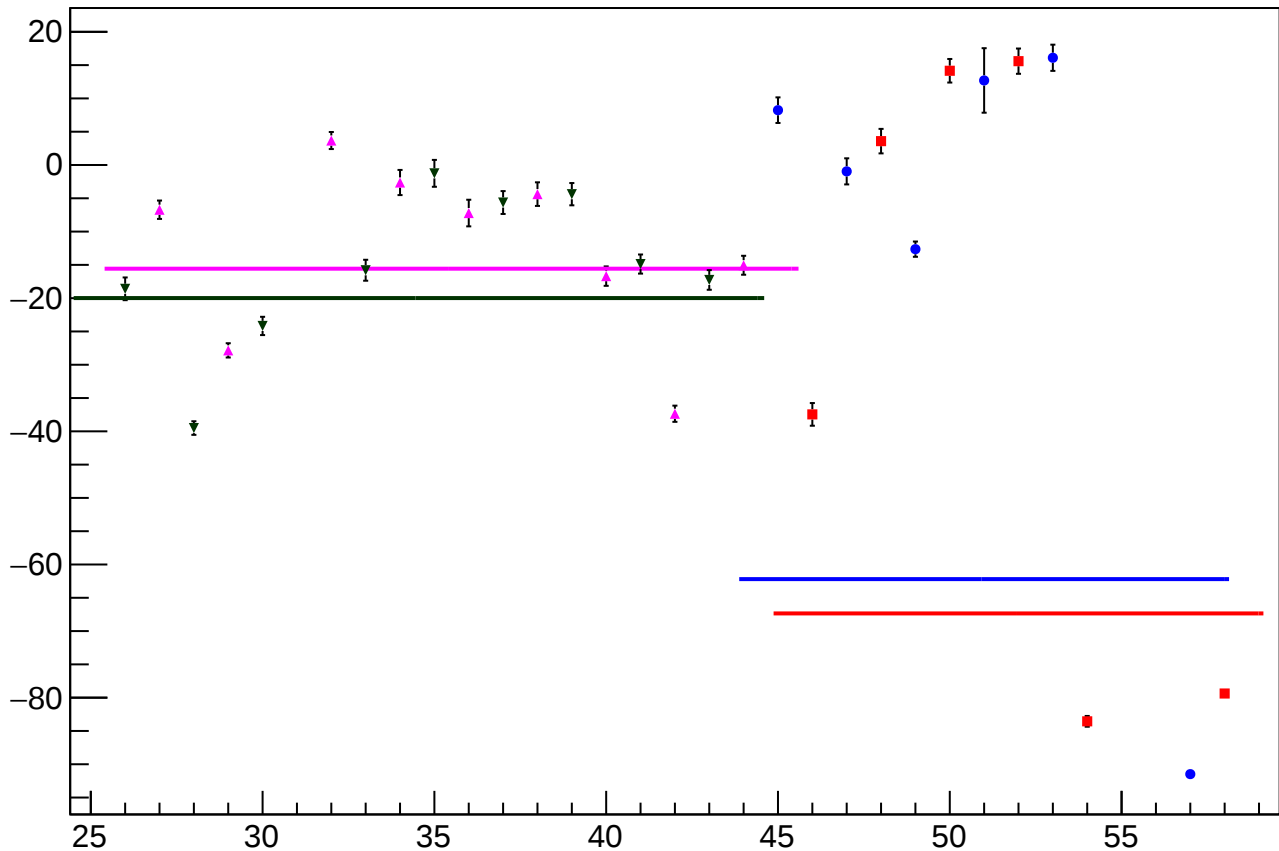
Right Out: 1.053±/0.026 χ^2/NDF : 1262.8/5

Left In: 0.162±/0.019 χ^2/NDF : 1123.7/8

0.543±/0.015 χ^2/NDF : 4331.3/14

0.465±/0.015 χ^2/NDF : 3161.1/14

reg_asym_sam_15_dd_diff_bpm4aX_slope vs slug



Right In: -62.195 $\pm$ 0.453 χ^2 /NDF: 8825.4/5

Left Out: -19.986 $\pm$ 0.492 χ^2 /NDF: 641.4/8

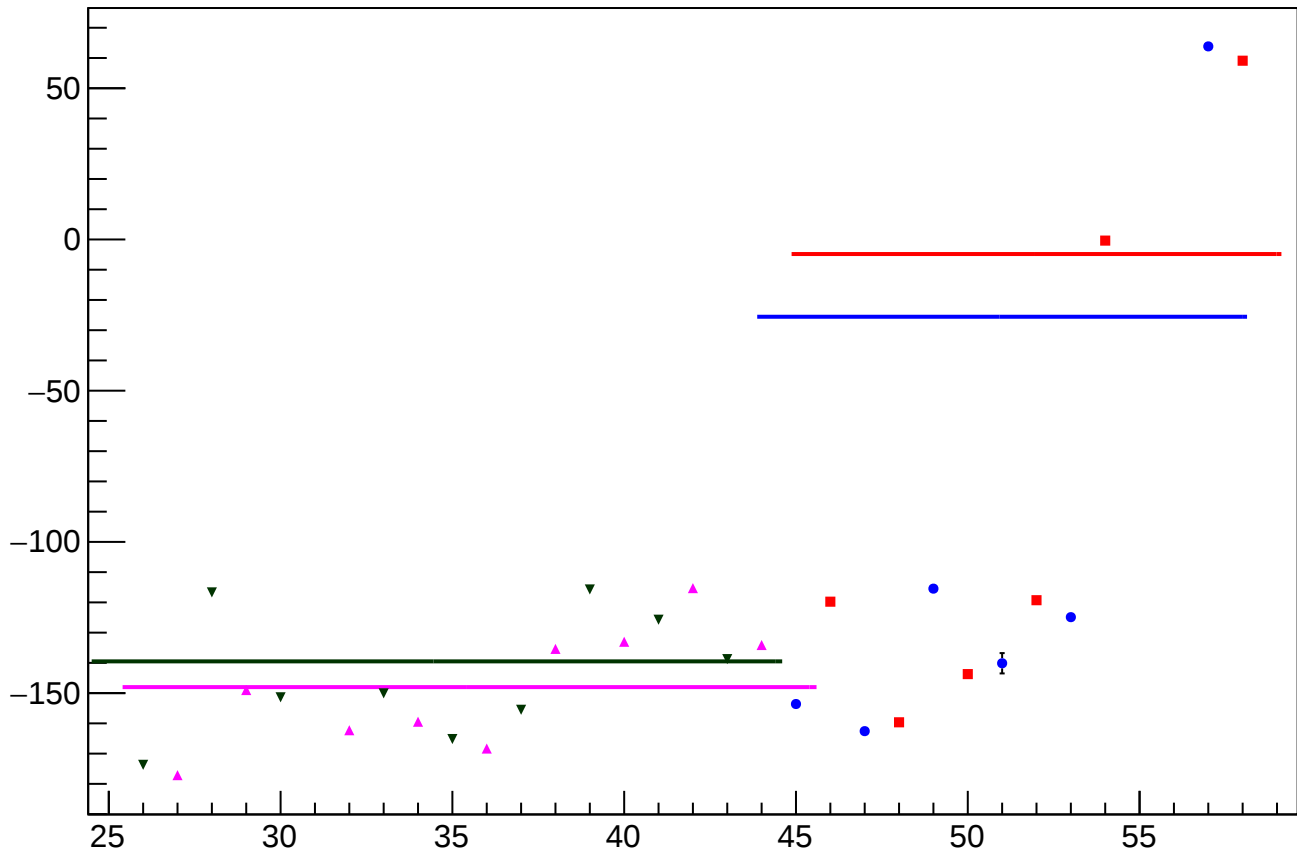
Right Out: -67.348 $\pm$ 0.368 χ^2 /NDF: 6894.3/5

Left In: -15.574 $\pm$ 0.472 χ^2 /NDF: 824.1/8

-42.853 $\pm$ 0.333 χ^2 /NDF: 13446.7/14

-47.752 $\pm$ 0.290 χ^2 /NDF: 15207.4/14

reg_asym_sam_15_dd_diff_bpm4aY_slope vs slug



Right In: -25.552 $\pm$ 0.421 χ^2 /NDF: 55472.4/5

Left Out: -139.501 $\pm$ 0.374 χ^2 /NDF: 2866.7/8

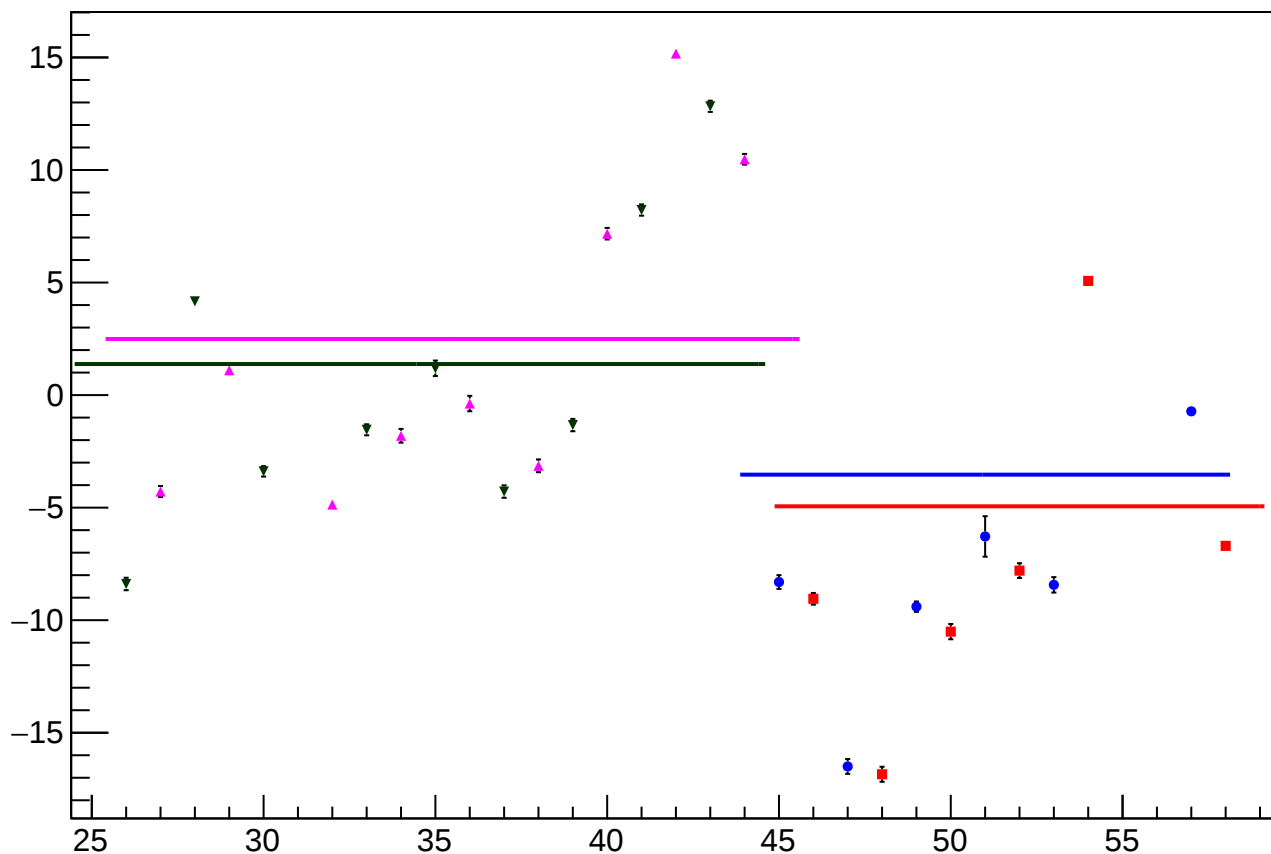
Right Out: -4.816 $\pm$ 0.359 χ^2 /NDF: 51237.1/5

Left In: -148.011 $\pm$ 0.348 χ^2 /NDF: 3260.7/8

-89.309 $\pm$ 0.279 χ^2 /NDF: 99313.6/14

-78.681 $\pm$ 0.250 χ^2 /NDF: 136471.6/14

reg_asym_sam_15_dd_diff_bpm4eX_slope vs slug



Right In: -3.534+/-0.078 χ^2/NDF : 3571.3/5

Left Out: 1.380+/-0.083 χ^2/NDF : 5402.0/8

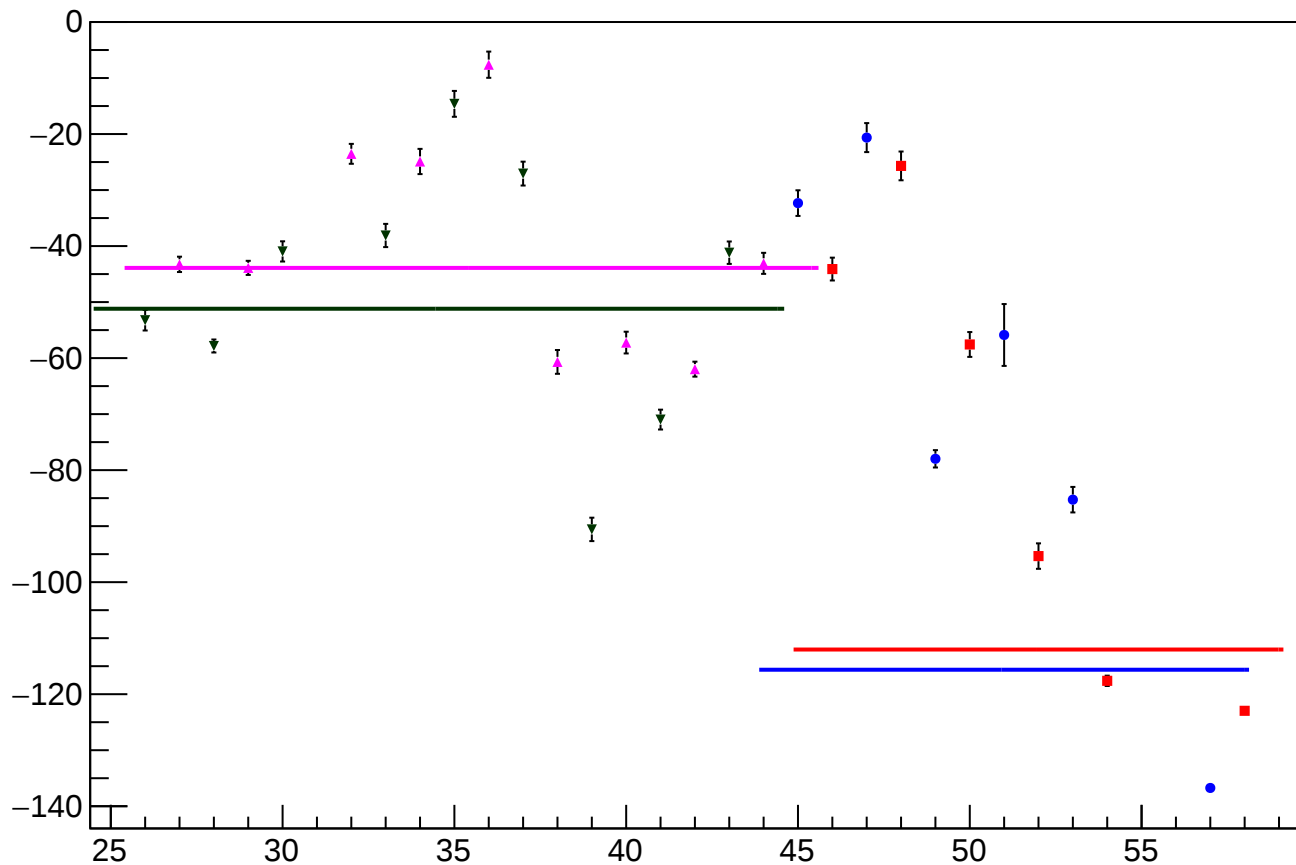
Right Out: -4.940+/-0.063 χ^2/NDF : 7612.4/5

Left In: 2.493+/-0.081 χ^2/NDF : 7773.1/8

-1.240+/-0.057 χ^2/NDF : 10828.6/14

-2.163+/-0.050 χ^2/NDF : 20643.0/14

reg_asym_sam_15_dd_diff_bpm4eY_slope vs slug



Right In: -115.633+/-0.533 χ^2/NDF : 4686.4/5

Left Out: -51.187+/-0.599 χ^2/NDF : 989.9/8

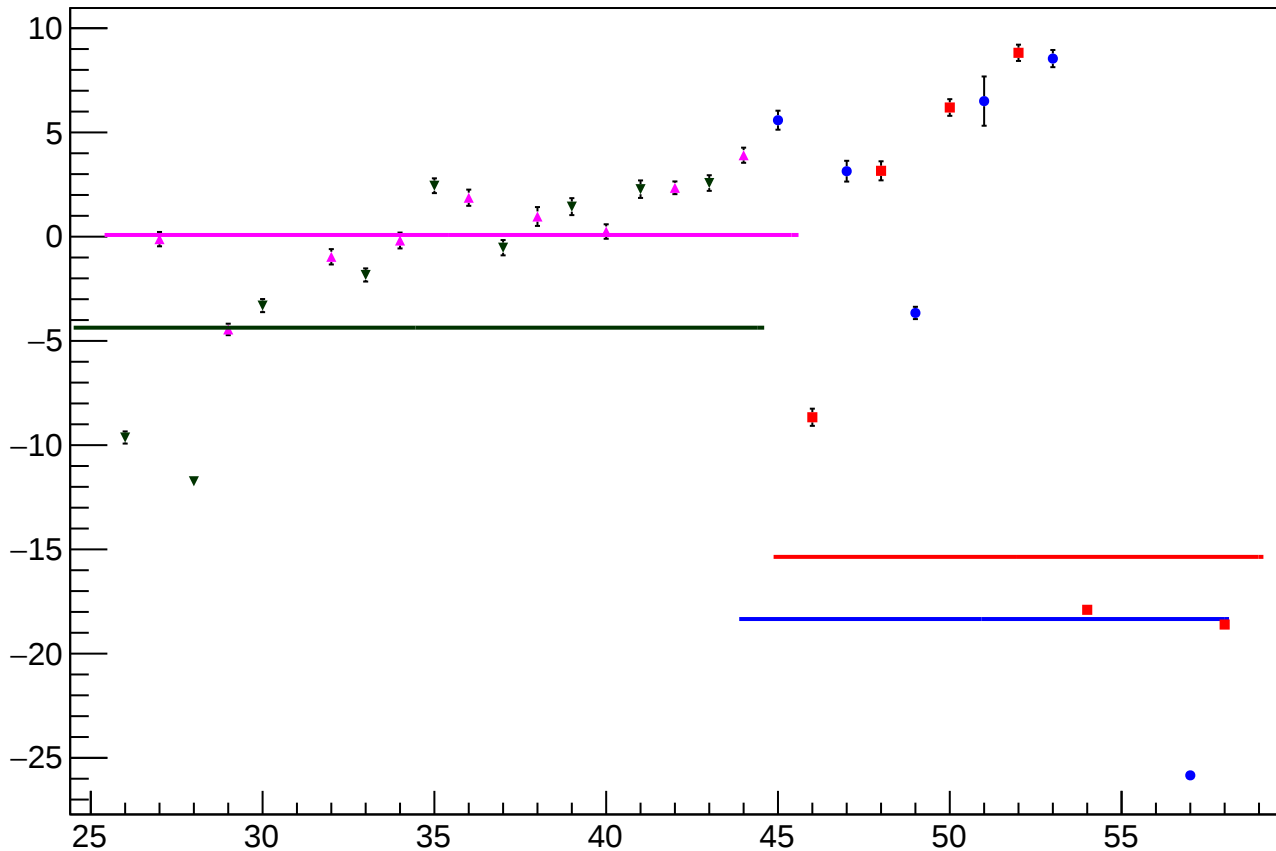
Right Out: -112.026+/-0.432 χ^2/NDF : 3341.4/5

Left In: -43.897+/-0.560 χ^2/NDF : 735.5/8

-87.174+/-0.398 χ^2/NDF : 12133.2/14

-86.620+/-0.342 χ^2/NDF : 13359.7/14

reg_asym_sam_15_dd_diff_bpm11X_slope vs slug



Right In: -18.341 ± 0.100 χ^2/NDF : 15887.2/5

Left Out: -4.365 ± 0.105 χ^2/NDF : 2995.2/8

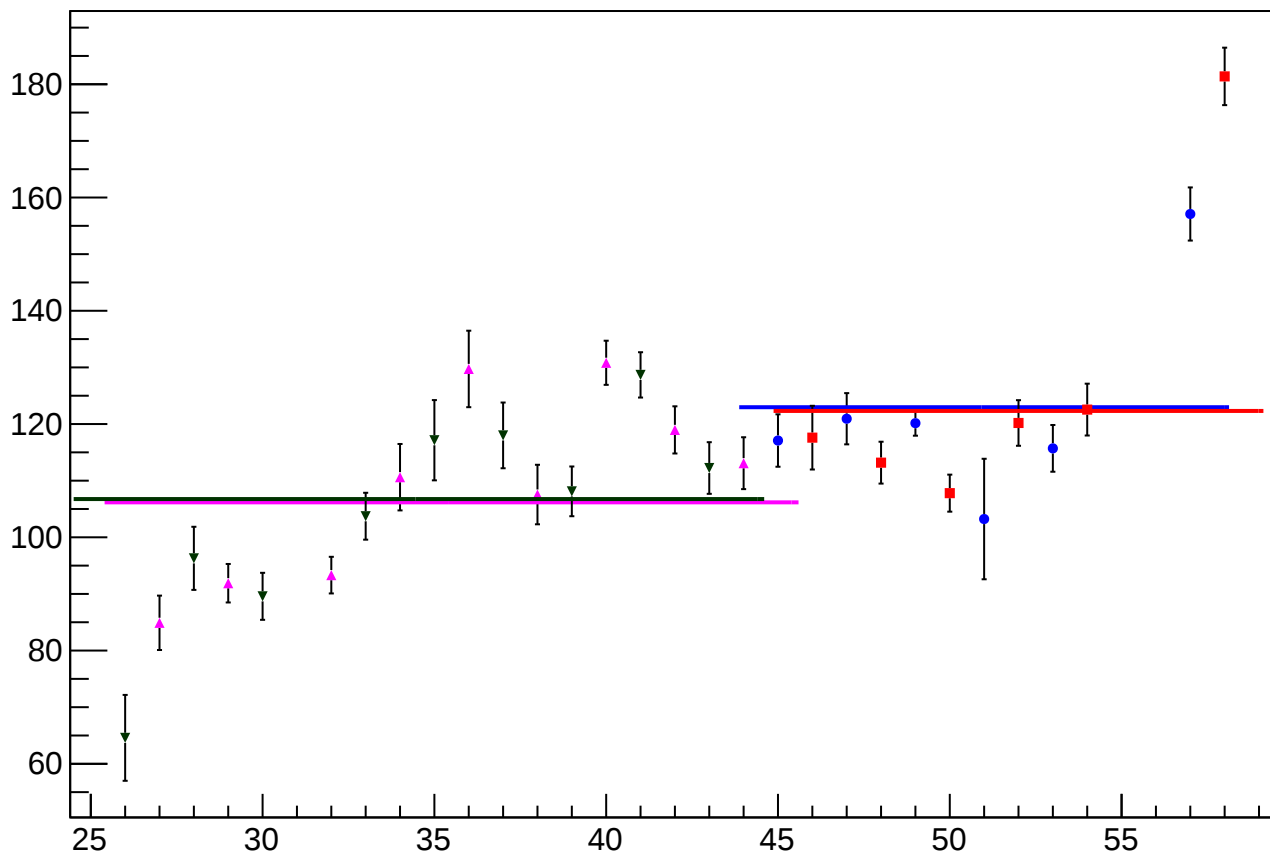
Right Out: -15.359 ± 0.079 χ^2/NDF : 9974.6/5

Left In: 0.082 ± 0.116 χ^2/NDF : 470.0/8

-11.698 ± 0.073 χ^2/NDF : 28148.7/14

-10.468 ± 0.065 χ^2/NDF : 22497.0/14

reg_asym_sam_37_avg_diff_bpm4aX_slope vs slug



Right In: 122.970 $\pm$ 1.557 χ^2 /NDF: 62.8/5

Left Out: 106.753 $\pm$ 1.626 χ^2 /NDF: 89.6/8

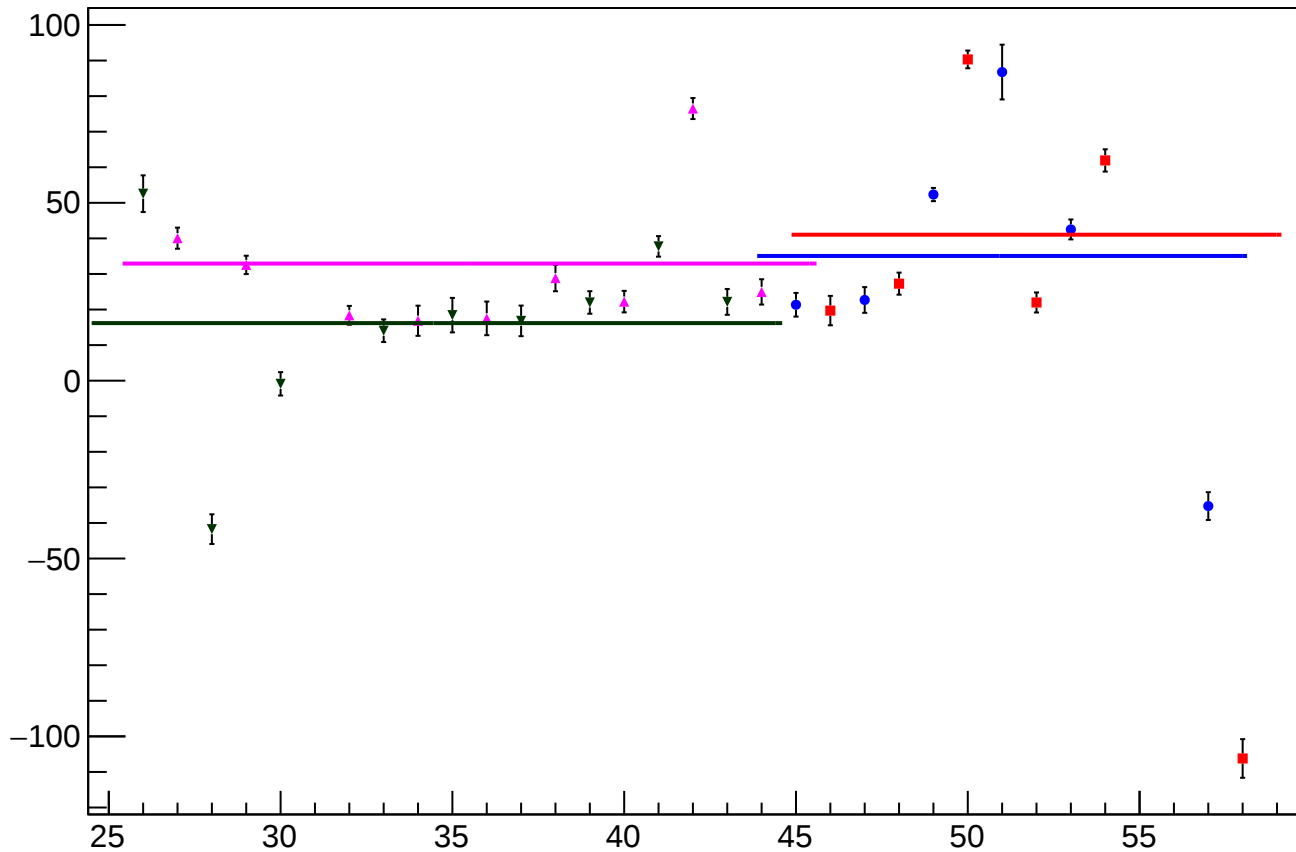
Right Out: 122.313 $\pm$ 1.698 χ^2 /NDF: 162.4/5

Left In: 106.171 $\pm$ 1.438 χ^2 /NDF: 117.6/8

115.215 $\pm$ 1.125 χ^2 /NDF: 204.3/14

112.908 $\pm$ 1.097 χ^2 /NDF: 332.7/14

reg_asym_sam_37_avg_diff_bpm4aY_slope vs slug



Right In: 35.066 ± 1.227 χ^2/NDF : 491.1/5

Left Out: 16.187 ± 1.214 χ^2/NDF : 331.6/8

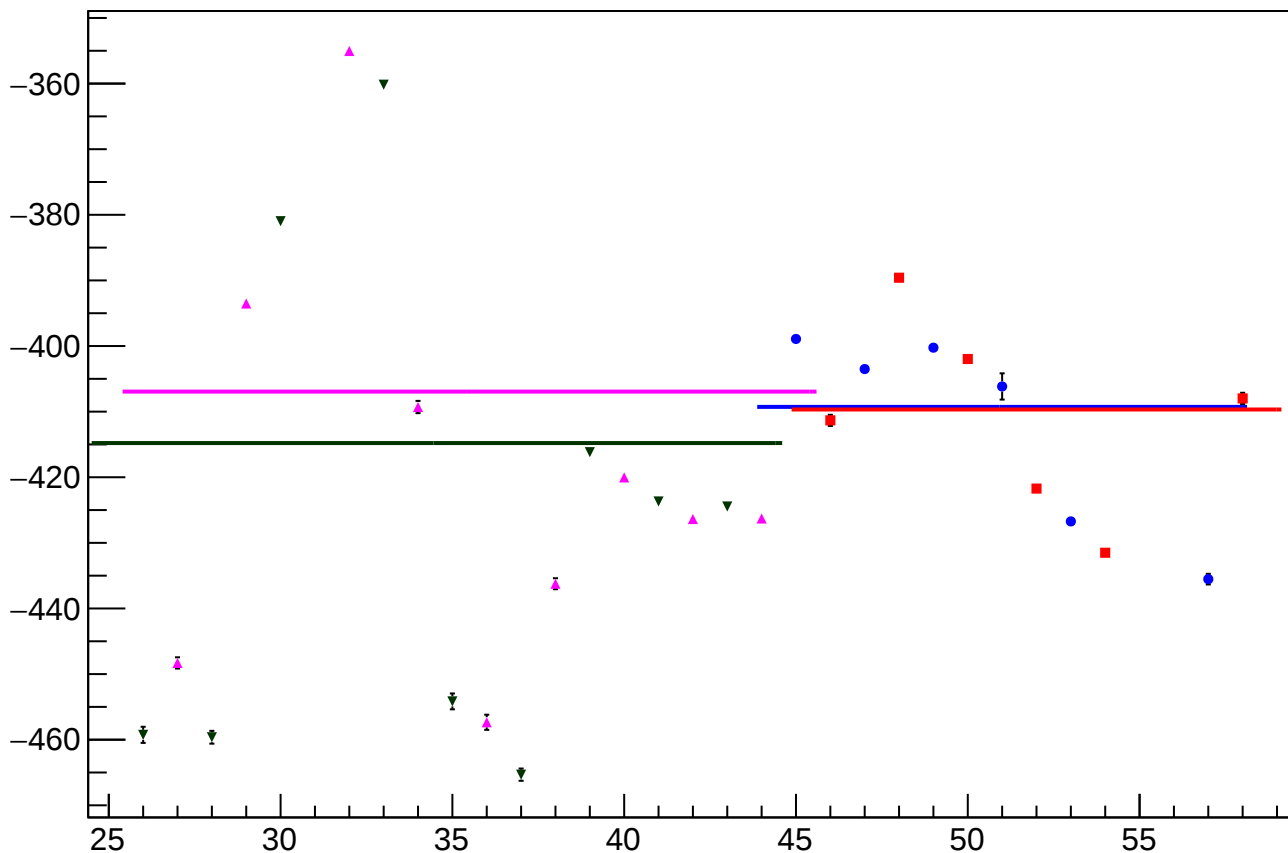
Right Out: 41.035 ± 1.307 χ^2/NDF : 1261.3/5

Left In: 32.922 ± 1.064 χ^2/NDF : 297.8/8

25.530 ± 0.863 χ^2/NDF : 942.4/14

36.155 ± 0.825 χ^2/NDF : 1582.3/14

reg_asym_sam_37_avg_diff_bpm4eX_slope vs slug



Right In: -409.275+/-0.288 χ^2/NDF : 2278.1/5

Left Out: -414.789+/-0.271 χ^2/NDF : 17193.7/8

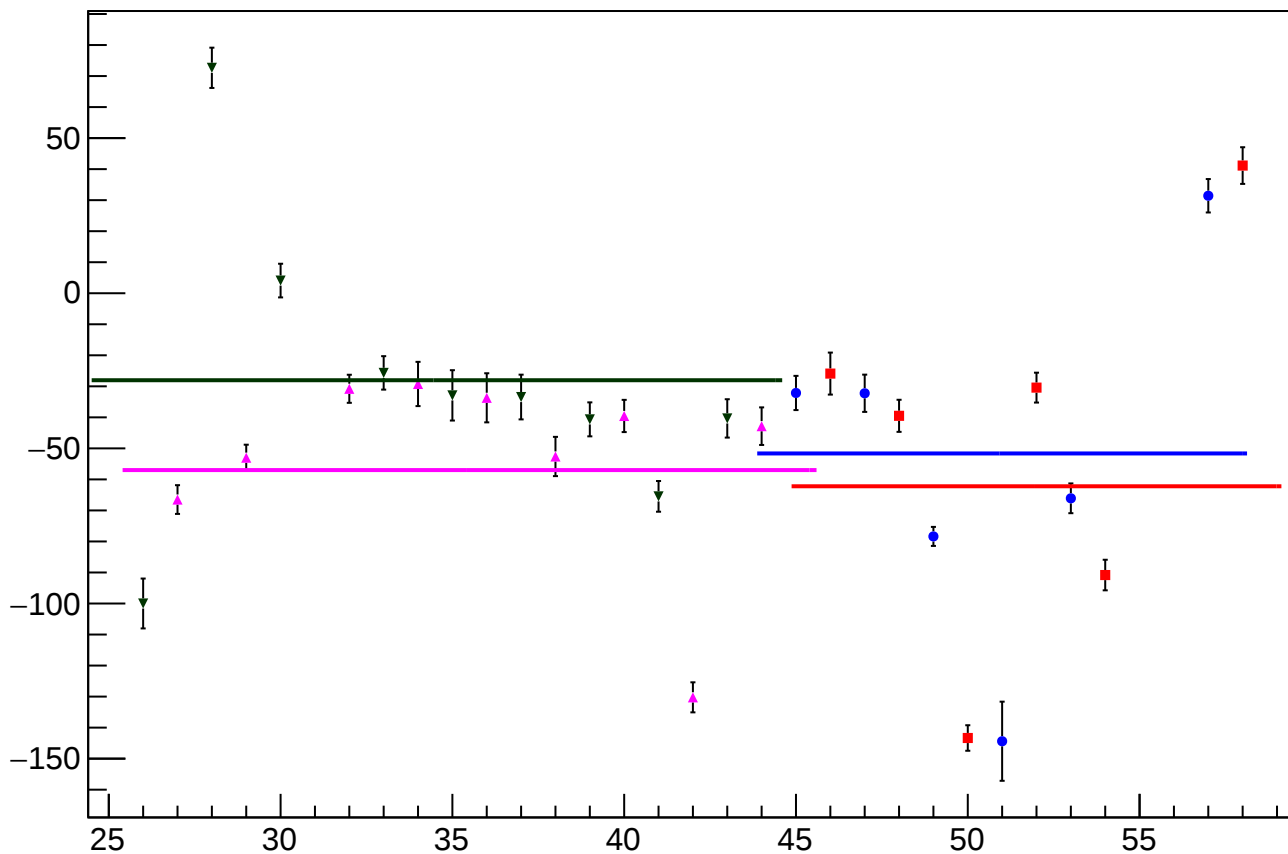
Right Out: -409.674+/-0.297 χ^2/NDF : 2182.7/5

Left In: -406.947+/-0.246 χ^2/NDF : 18132.7/8

-412.197+/-0.197 χ^2/NDF : 19666.2/14

-408.055+/-0.190 χ^2/NDF : 20365.3/14

reg_asym_sam_37_avg_diff_bpm4eY_slope vs slug



Right In: -51.635 $\pm$ 1.996 χ^2 /NDF: 398.5/5

Left Out: -28.036 $\pm$ 2.031 χ^2 /NDF:423.4/8

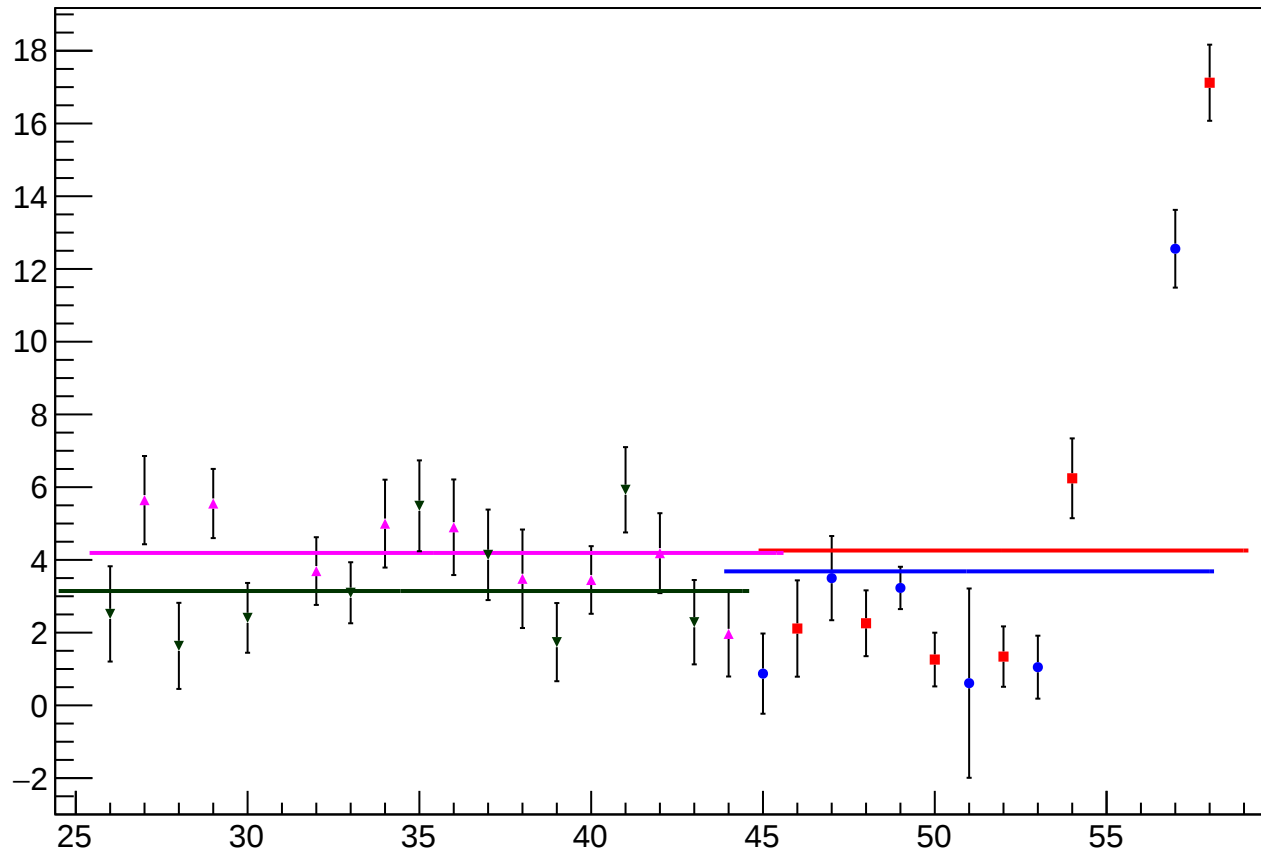
Right Out: -62.215 $\pm$ 2.079 χ^2 /NDF: 820.3/5

Left In: -56.994 $\pm$ 1.767 χ^2 /NDF:308.6/8

-40.040 $\pm$ 1.424 χ^2 /NDF: 890.6/14

-59.184 $\pm$ 1.347 χ^2 /NDF: 1132.5/14

reg_asym_sam_37_avg_diff_bpm11X_slope vs slug



Right In: 3.685 $\pm$ 0.381 χ^2 /NDF: 86.7/5

Left Out: 3.144 $\pm$ 0.367 χ^2 /NDF:14.5/8

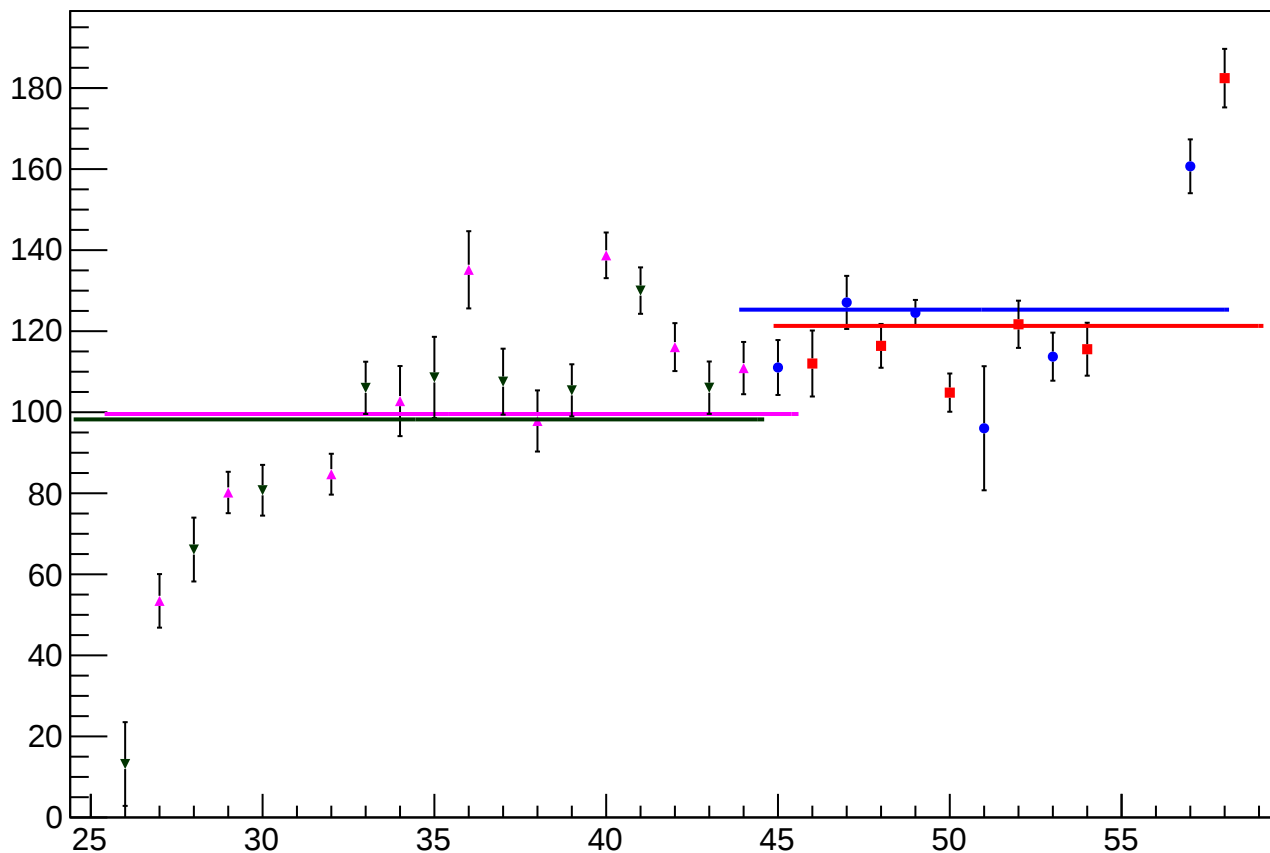
3.404 $\pm$ 0.264 χ^2 /NDF: 102.2/14

Right Out: 4.258 $\pm$ 0.383 χ^2 /NDF: 190.6/5

4.223 $\pm$ 0.265 χ^2 /NDF: 199.7/14

Left In: 4.191 $\pm$ 0.366 χ^2 /NDF:9.0/8

reg_asym_sam_37_dd_diff_bpm4aX_slope vs slug



Right In: 125.313 $\pm$ 2.245 χ^2 /NDF: 40.4/5

Left Out: 98.229 $\pm$ 2.366 χ^2 /NDF:129.5/8

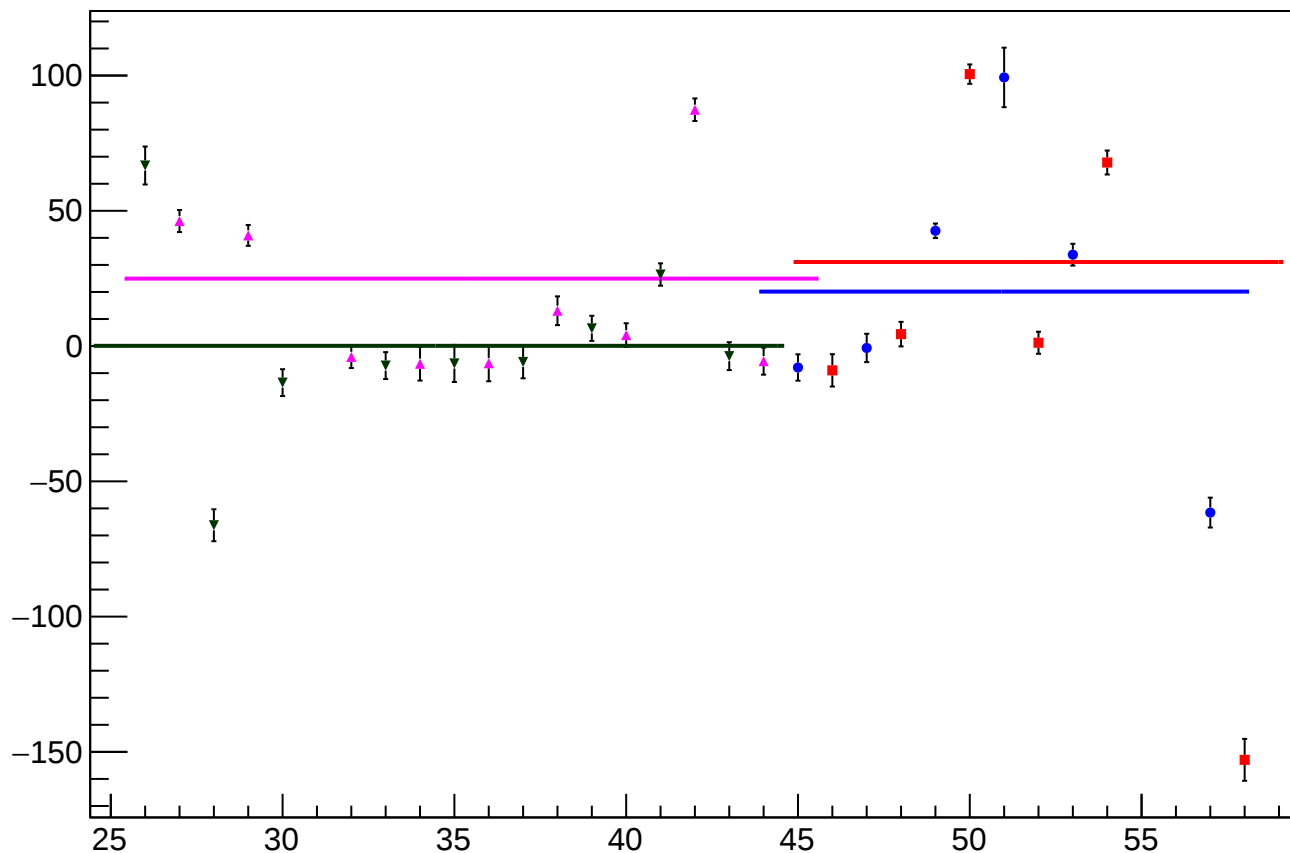
Right Out: 121.304 $\pm$ 2.452 χ^2 /NDF: 86.7/5

Left In: 99.563 $\pm$ 2.101 χ^2 /NDF:145.0/8

112.479 $\pm$ 1.629 χ^2 /NDF: 238.8/14

108.766 $\pm$ 1.595 χ^2 /NDF: 277.1/14

reg_asym_sam_37_dd_diff_bpm4aY_slope vs slug



Right In: 20.141+/-1.767 χ^2/NDF : 401.3/5

Left Out: 0.093+/-1.763 χ^2/NDF :271.1/8

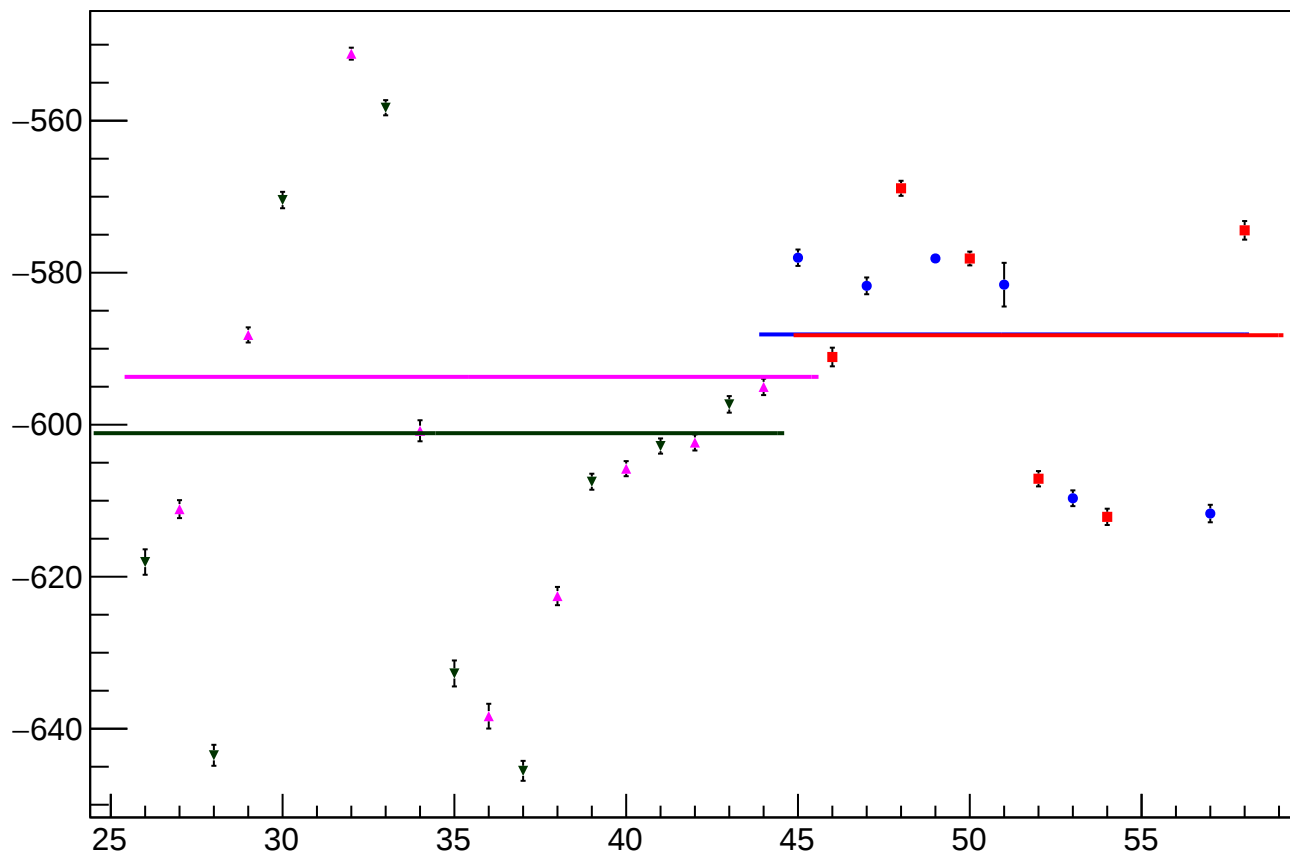
Right Out: 31.079+/-1.883 χ^2/NDF : 1141.8/5

Left In: 24.935+/-1.545 χ^2/NDF :429.4/8

10.095+/-1.248 χ^2/NDF : 736.9/14

27.407+/-1.194 χ^2/NDF : 1577.6/14

reg_asym_sam_37_dd_diff_bpm4eX_slope vs slug



Right In: -588.122 ± 0.415 $\chi^2/\text{NDF}: 1208.8/5$

Left Out: -601.116 ± 0.395 $\chi^2/\text{NDF}: 5229.3/8$

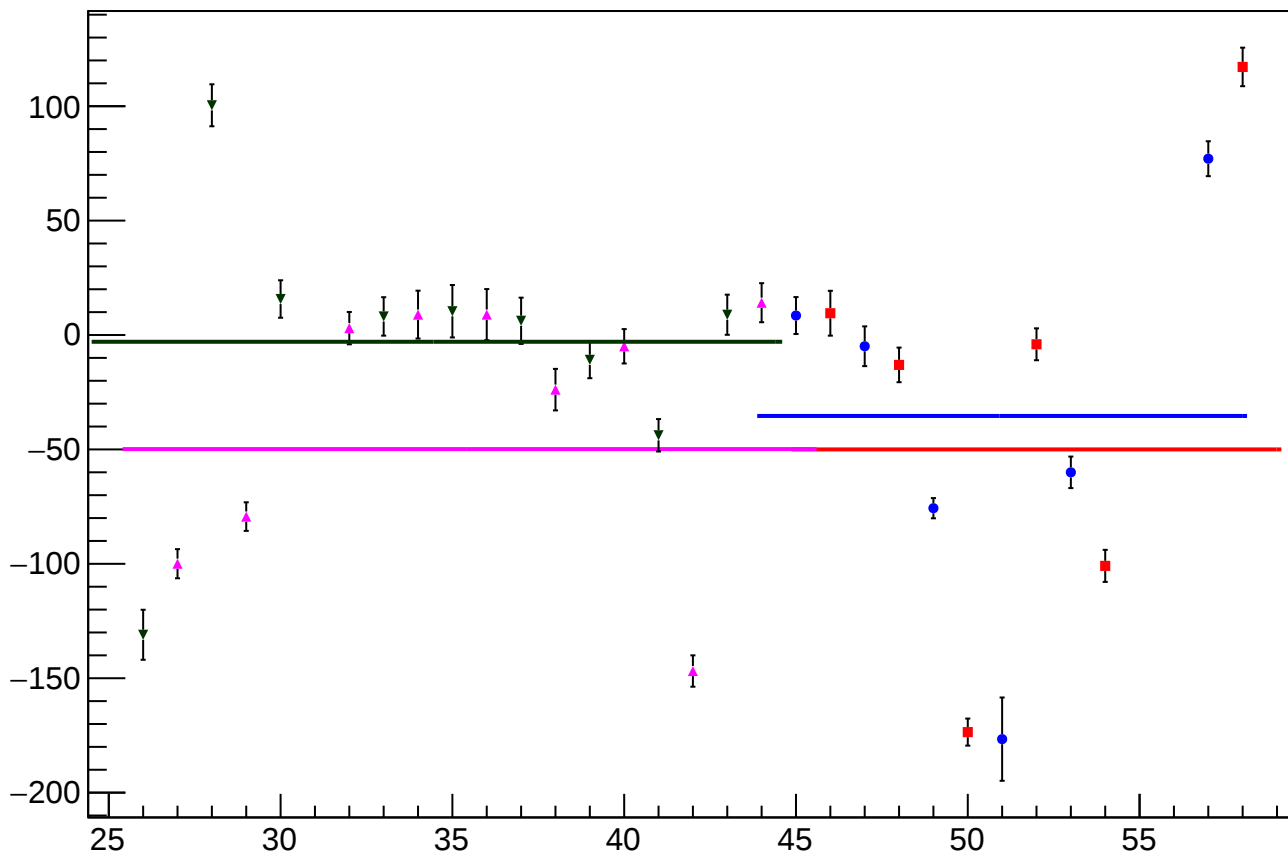
Right Out: -588.227 ± 0.429 $\chi^2/\text{NDF}: 1484.9/5$

Left In: -593.704 ± 0.360 $\chi^2/\text{NDF}: 4731.8/8$

-594.943 ± 0.286 $\chi^2/\text{NDF}: 6952.1/14$

-591.441 ± 0.276 $\chi^2/\text{NDF}: 6312.1/14$

reg_asym_sam_37_dd_diff_bpm4eY_slope vs slug



Right In: -35.374 ± 2.873 $\chi^2/\text{NDF}: 415.4/5$

Left Out: -2.951 ± 2.946 $\chi^2/\text{NDF}: 309.3/8$

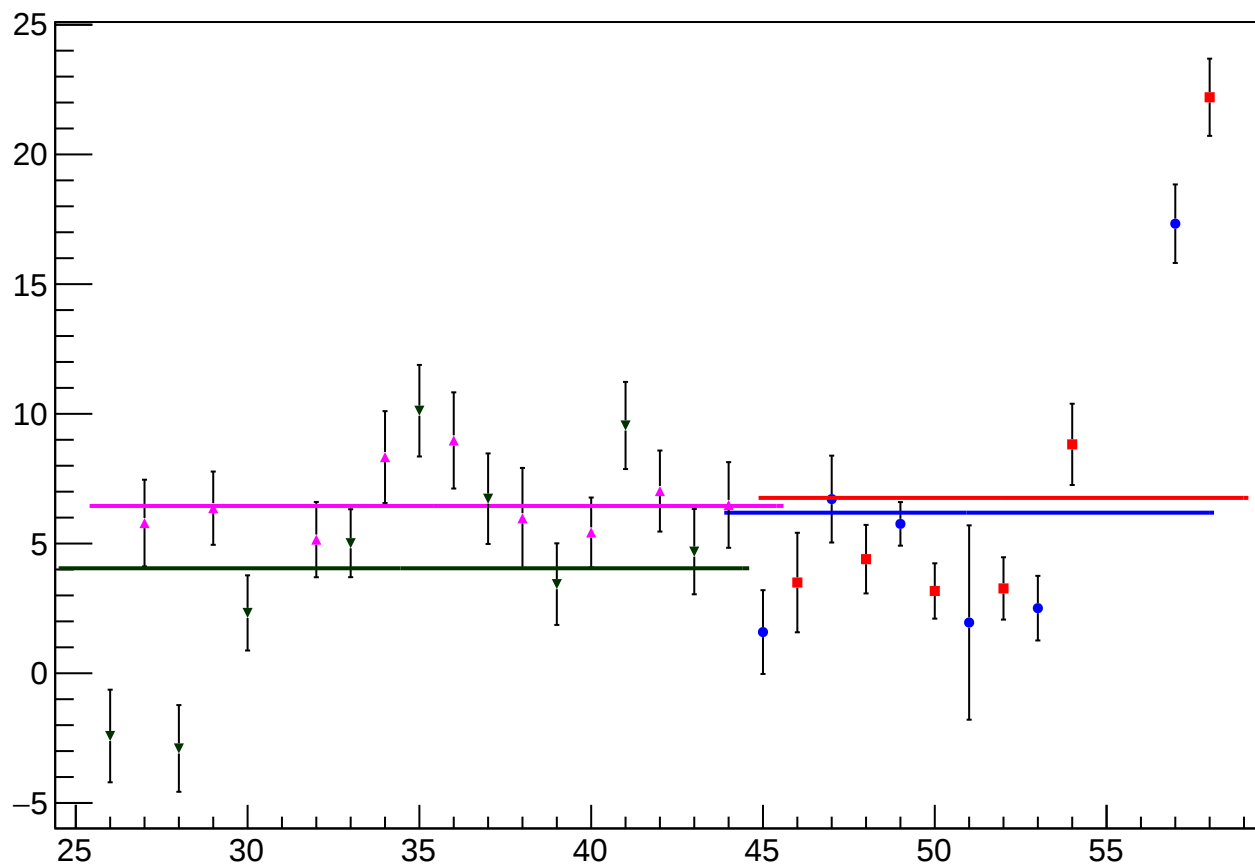
Right Out: -49.996 ± 2.994 $\chi^2/\text{NDF}: 987.4/5$

Left In: -49.855 ± 2.562 $\chi^2/\text{NDF}: 500.0/8$

-19.568 ± 2.057 $\chi^2/\text{NDF}: 786.8/14$

-49.915 ± 1.946 $\chi^2/\text{NDF}: 1487.4/14$

reg_asym_sam_37_dd_diff_bpm11X_slope vs slug



Right In: 6.190 $\pm$ 0.550 χ^2 /NDF: 72.7/5

Left Out: 4.047 $\pm$ 0.534 χ^2 /NDF: 57.6/8

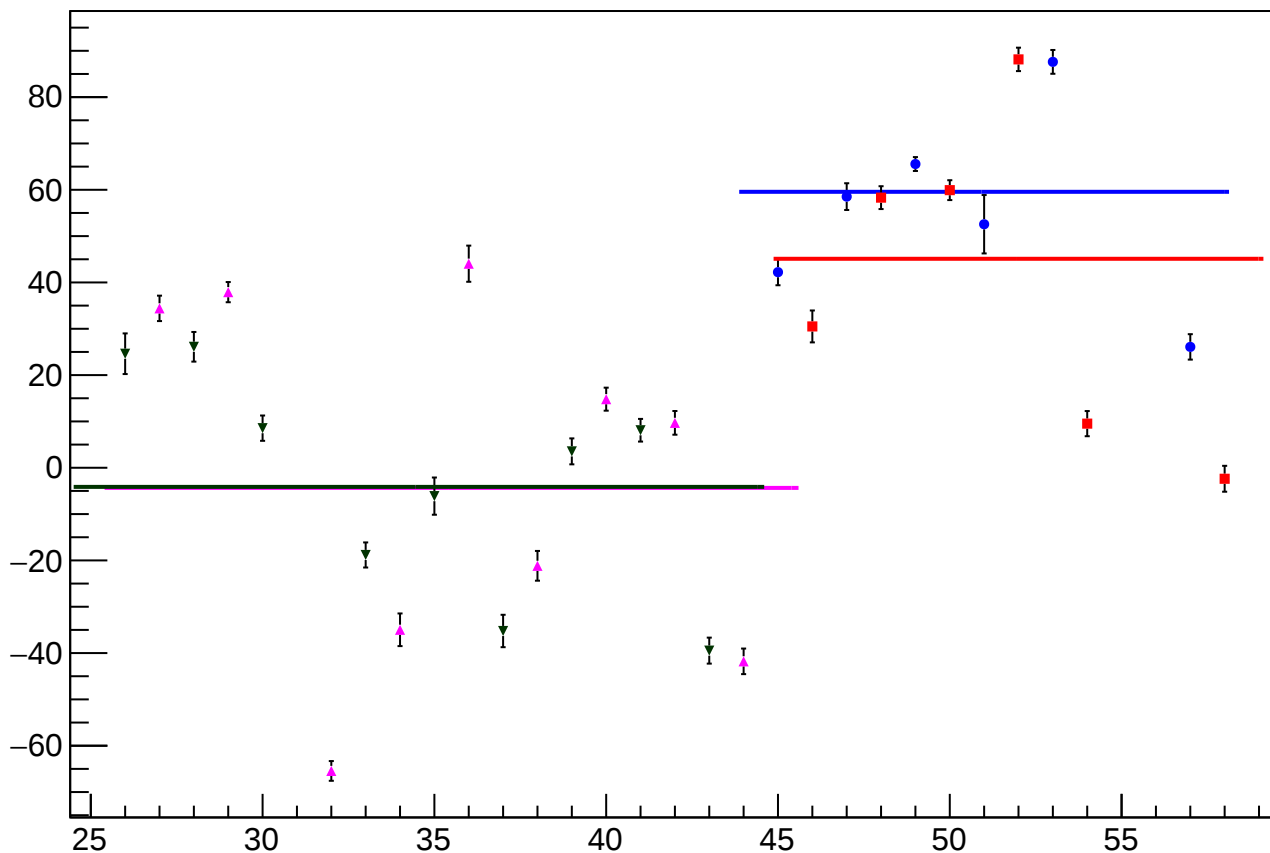
Right Out: 6.760 $\pm$ 0.552 χ^2 /NDF: 135.3/5

Left In: 6.449 $\pm$ 0.532 χ^2 /NDF: 4.7/8

5.087 $\pm$ 0.383 χ^2 /NDF: 138.1/14

6.599 $\pm$ 0.383 χ^2 /NDF: 140.2/14

reg_asym_sam_26_avg_diff_bpm4aX_slope vs slug



Right In: 59.564+/-1.000 χ^2 /NDF: 323.0/5

Left Out: -4.129+/-1.007 χ^2 /NDF:453.7/8

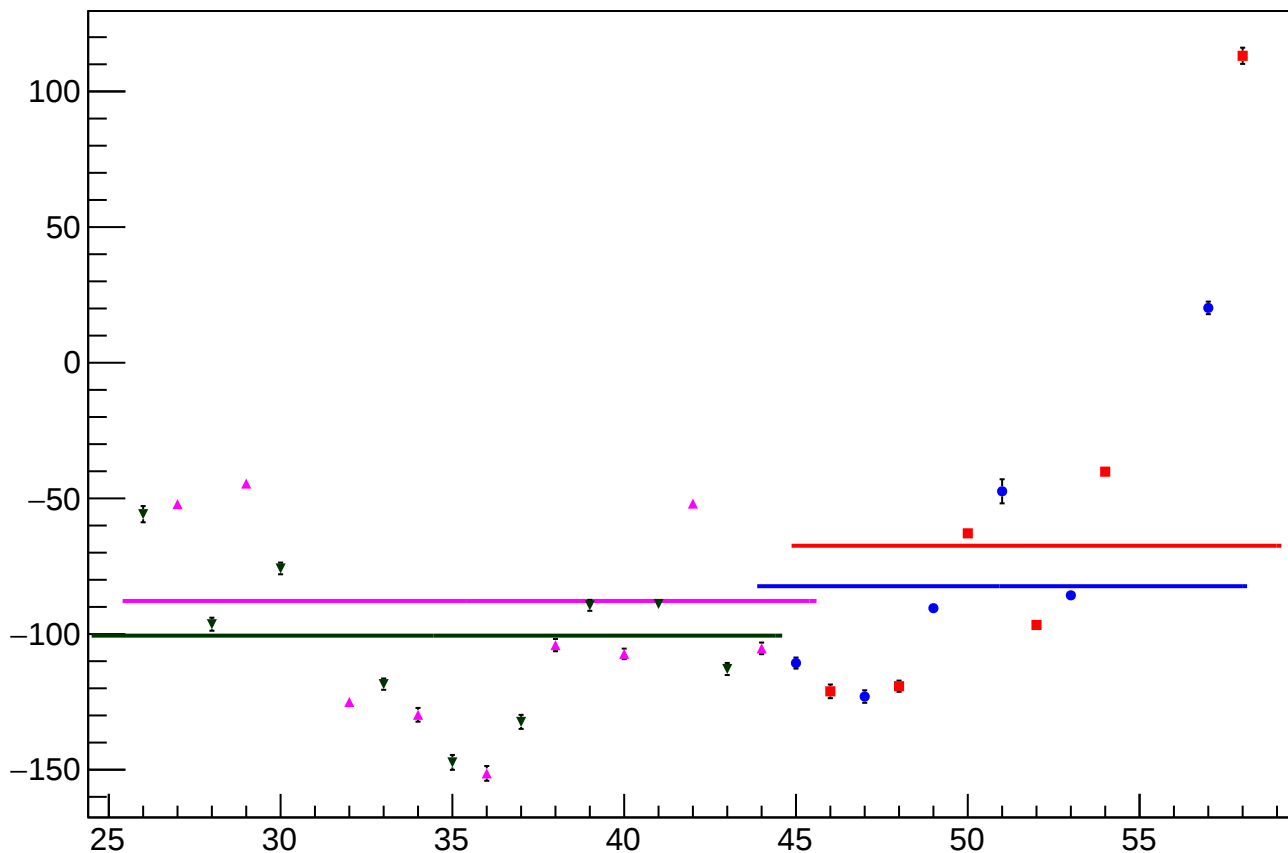
Right Out: 45.107+/-1.062 χ^2 /NDF: 844.1/5

Left In: -4.348+/-0.893 χ^2 /NDF:1927.7/8

27.944+/-0.710 χ^2 /NDF: 2790.0/14

16.143+/-0.684 χ^2 /NDF: 4041.7/14

reg_asym_sam_26_avg_diff_bpm4aY_slope vs slug



Right In: -82.363 ± 0.784 χ^2/NDF : 2559.2/5

Left Out: -100.583 ± 0.750 χ^2/NDF : 975.8/8

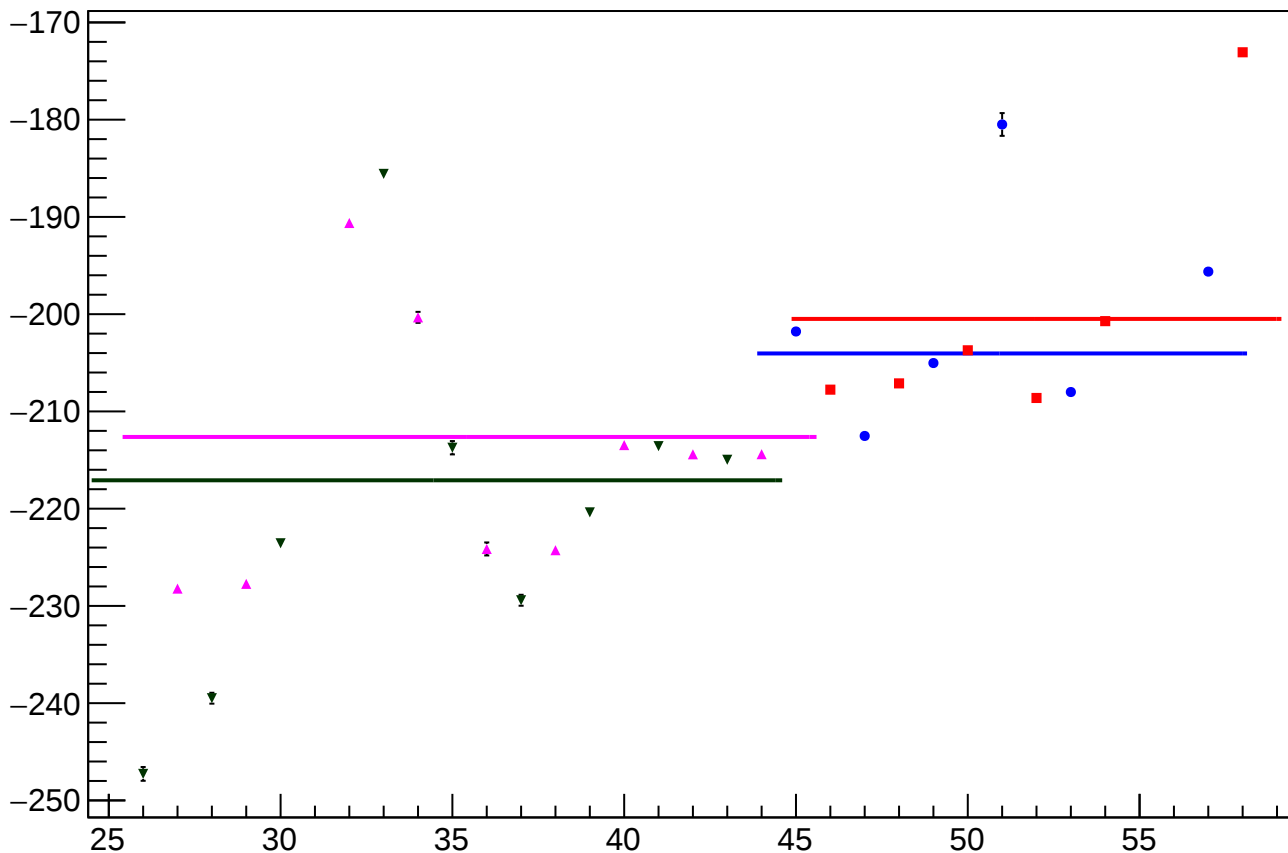
Right Out: -67.448 ± 0.819 χ^2/NDF : 5219.5/5

Left In: -87.800 ± 0.654 χ^2/NDF : 3036.8/8

-91.869 ± 0.542 χ^2/NDF : 3817.1/14

-79.873 ± 0.511 χ^2/NDF : 8633.0/14

reg_asym_sam_26_avg_diff_bpm4eX_slope vs slug



Right In: -204.040+/-0.183 χ^2/NDF : 1138.9/5

Left Out: -217.083+/-0.168 χ^2/NDF : 9883.1/8

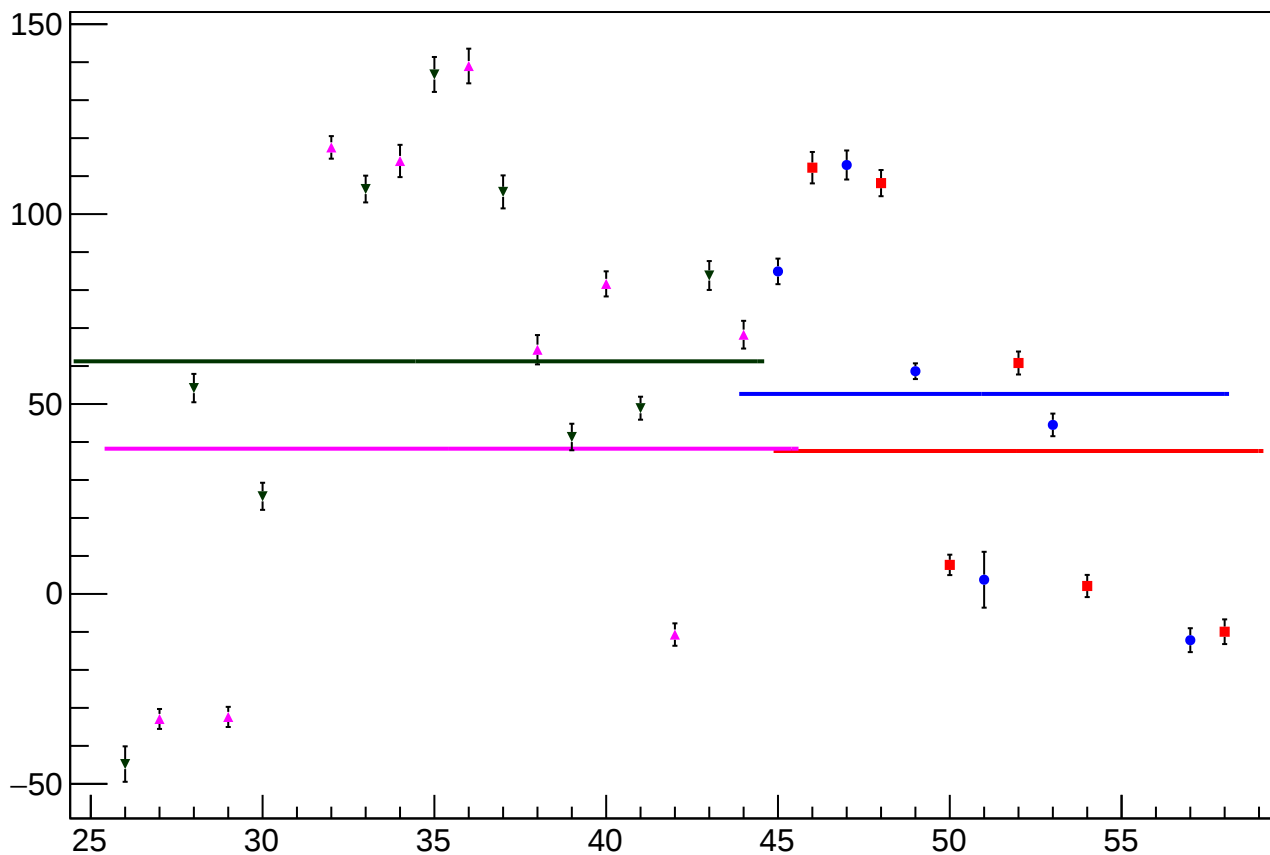
Right Out: -200.488+/-0.185 χ^2/NDF : 4174.4/5

Left In: -212.625+/-0.153 χ^2/NDF : 8043.8/8

-211.109+/-0.124 χ^2/NDF : 13776.4/14

-207.695+/-0.118 χ^2/NDF : 14781.5/14

reg_asym_sam_26_avg_diff_bpm4eY_slope vs slug



Right In: 52.657+/-1.268 χ^2 /NDF: 824.7/5

Left Out: 61.242+/-1.253 χ^2 /NDF:1243.9/8

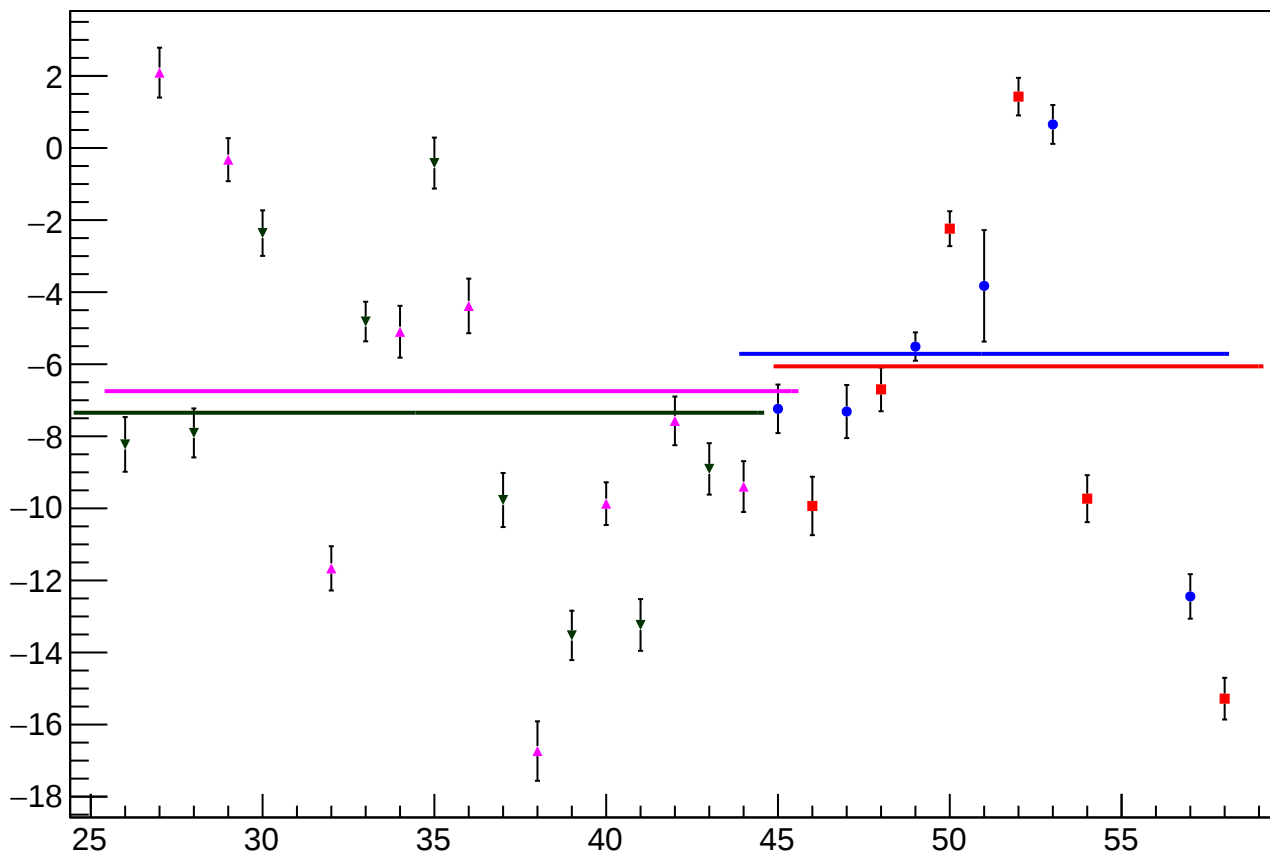
Right Out: 37.634+/-1.288 χ^2 /NDF: 1289.2/5

Left In: 38.240+/-1.083 χ^2 /NDF:3520.6/8

57.001+/-0.891 χ^2 /NDF: 2091.8/14

37.989+/-0.829 χ^2 /NDF: 4809.9/14

reg_asym_sam_26_avg_diff_bpm11X_slope vs slug



Right In: -5.712+/-0.243 χ^2 /NDF: 269.7/5

Left Out: -7.346+/-0.226 χ^2 /NDF:345.0/8

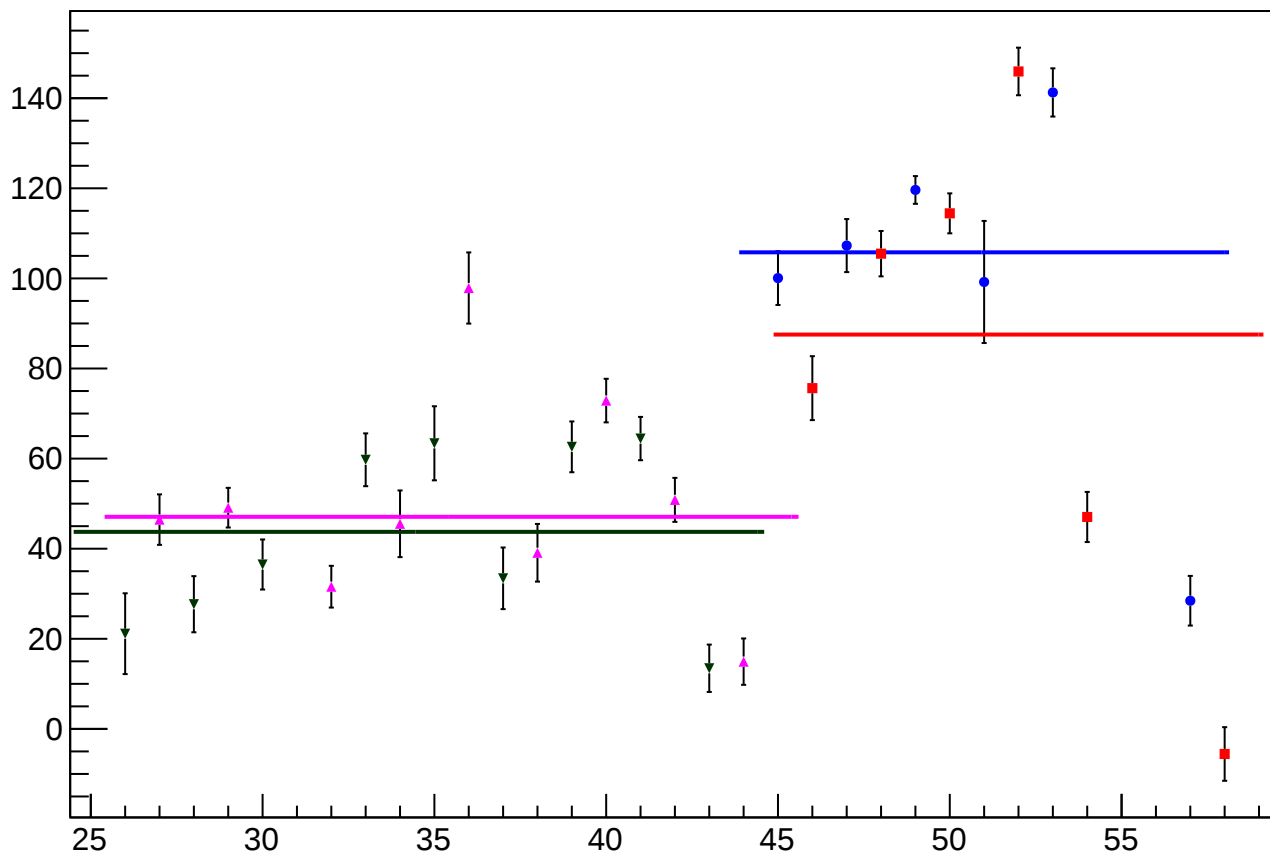
Right Out: -6.059+/-0.239 χ^2 /NDF: 578.2/5

Left In: -6.747+/-0.225 χ^2 /NDF:547.5/8

-6.586+/-0.165 χ^2 /NDF: 639.0/14

-6.423+/-0.164 χ^2 /NDF: 1130.1/14

reg_asym_sam_26_dd_diff_bpm4aX_slope vs slug



Right In: 105.790 $\pm$ 2.060 χ^2 /NDF: 262.2/5

Left Out: 43.740 $\pm$ 2.013 χ^2 /NDF:93.1/8

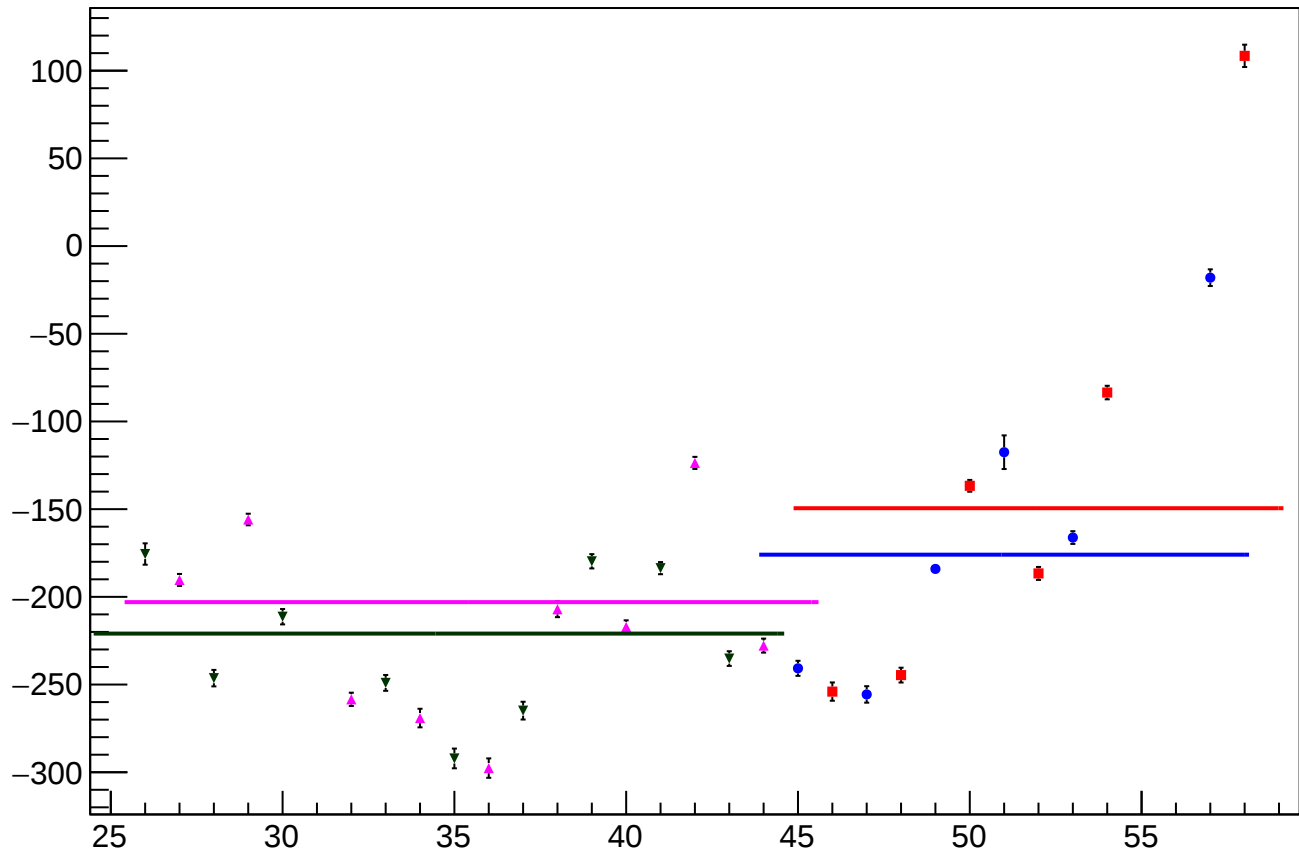
Right Out: 87.535 $\pm$ 2.200 χ^2 /NDF: 472.2/5

Left In: 47.079 $\pm$ 1.793 χ^2 /NDF:122.4/8

74.051 $\pm$ 1.440 χ^2 /NDF: 819.4/14

63.219 $\pm$ 1.390 χ^2 /NDF: 797.8/14

reg_asym_sam_26_dd_diff_bpm4aY_slope vs slug



Right In: -175.950+/-1.622 χ^2/NDF : 1668.6/5

Left Out: -220.942+/-1.501 χ^2/NDF : 593.2/8

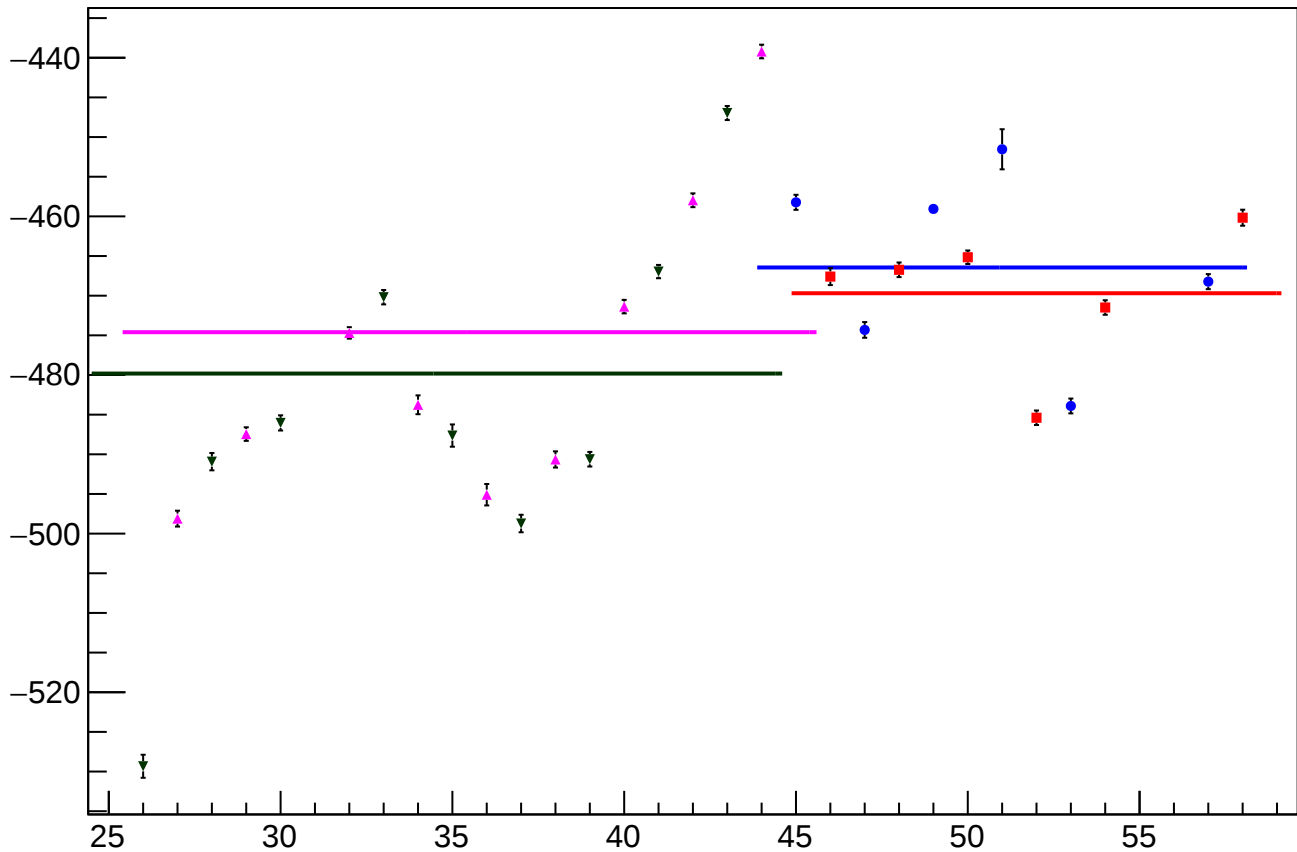
Right Out: -149.463+/-1.700 χ^2/NDF : 2951.5/5

Left In: -203.009+/-1.312 χ^2/NDF : 1461.1/8

-200.184+/-1.101 χ^2/NDF : 2676.5/14

-183.036+/-1.039 χ^2/NDF : 5034.3/14

reg_asym_sam_26_dd_diff_bpm4eX_slope vs slug



Right In: -466.444+/-0.377 χ^2/NDF : 660.7/5

Left Out: -479.818+/-0.337 χ^2/NDF : 3488.7/8

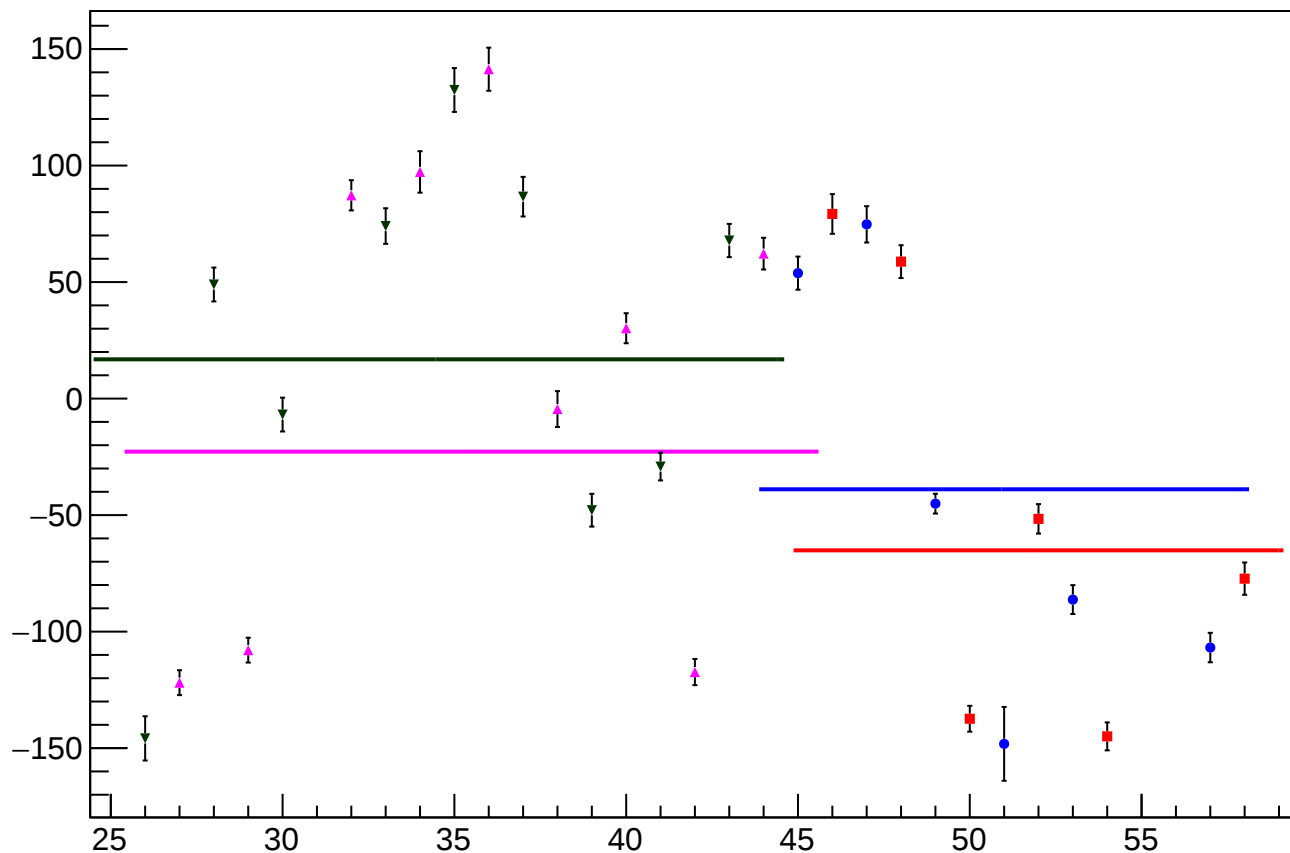
Right Out: -469.692+/-0.383 χ^2/NDF : 430.7/5

Left In: -474.602+/-0.308 χ^2/NDF : 3381.8/8

-473.878+/-0.251 χ^2/NDF : 4849.1/14

-472.675+/-0.240 χ^2/NDF : 3912.3/14

reg_asym_sam_26_dd_diff_bpm4eY_slope vs slug



Right In: -38.921+/-2.611 χ^2/NDF : 606.4/5

Left Out: 16.850+/-2.504 χ^2/NDF : 793.7/8

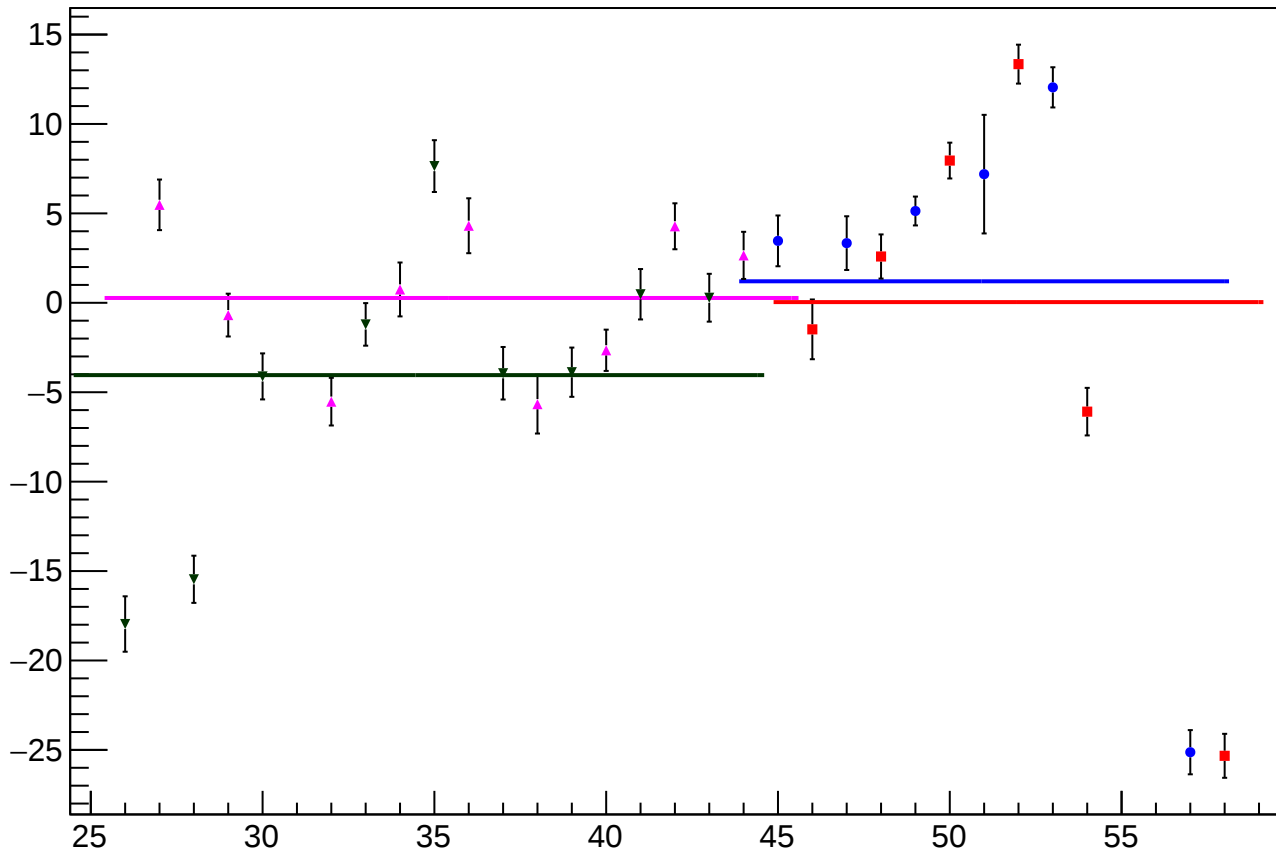
Right Out: -65.127+/-2.672 χ^2/NDF : 950.2/5

Left In: -22.758+/-2.169 χ^2/NDF : 1896.5/8

-9.874+/-1.807 χ^2/NDF : 1637.9/14

-39.586+/-1.684 χ^2/NDF : 2998.3/14

reg_asym_sam_26_dd_diff_bpm11X_slope vs slug



Right In: 1.203+/-0.499 χ^2/NDF : 578.5/5

Left Out: -4.043+/-0.455 χ^2/NDF : 247.2/8

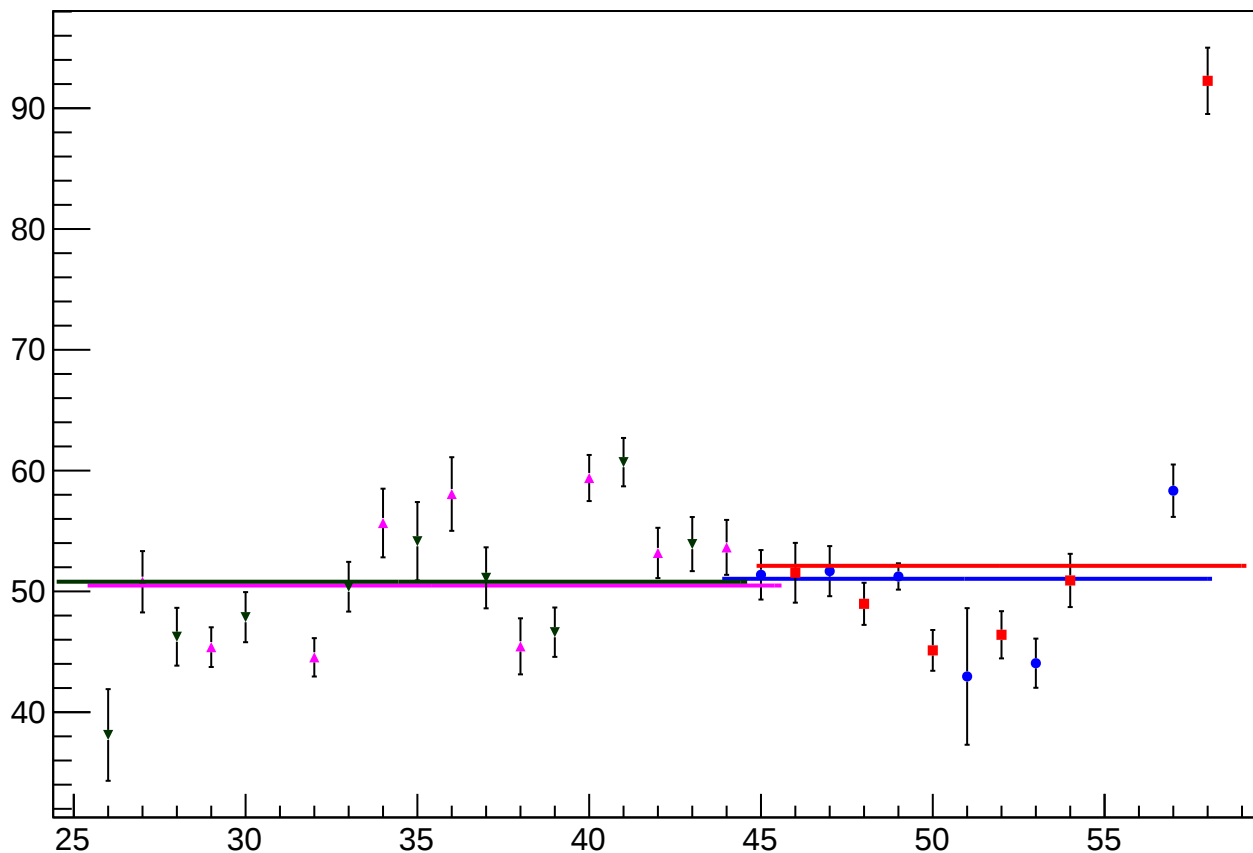
Right Out: 0.039+/-0.495 χ^2/NDF : 664.2/5

Left In: 0.270+/-0.450 χ^2/NDF : 72.6/8

-1.663+/-0.336 χ^2/NDF : 886.0/14

0.165+/-0.333 χ^2/NDF : 736.9/14

reg_asym_sam_48_avg_diff_bpm4aX_slope vs slug



Right In: 51.044+/-0.746 χ^2/NDF : 25.3/5

Left Out: 50.802+/-0.778 χ^2/NDF : 48.5/8

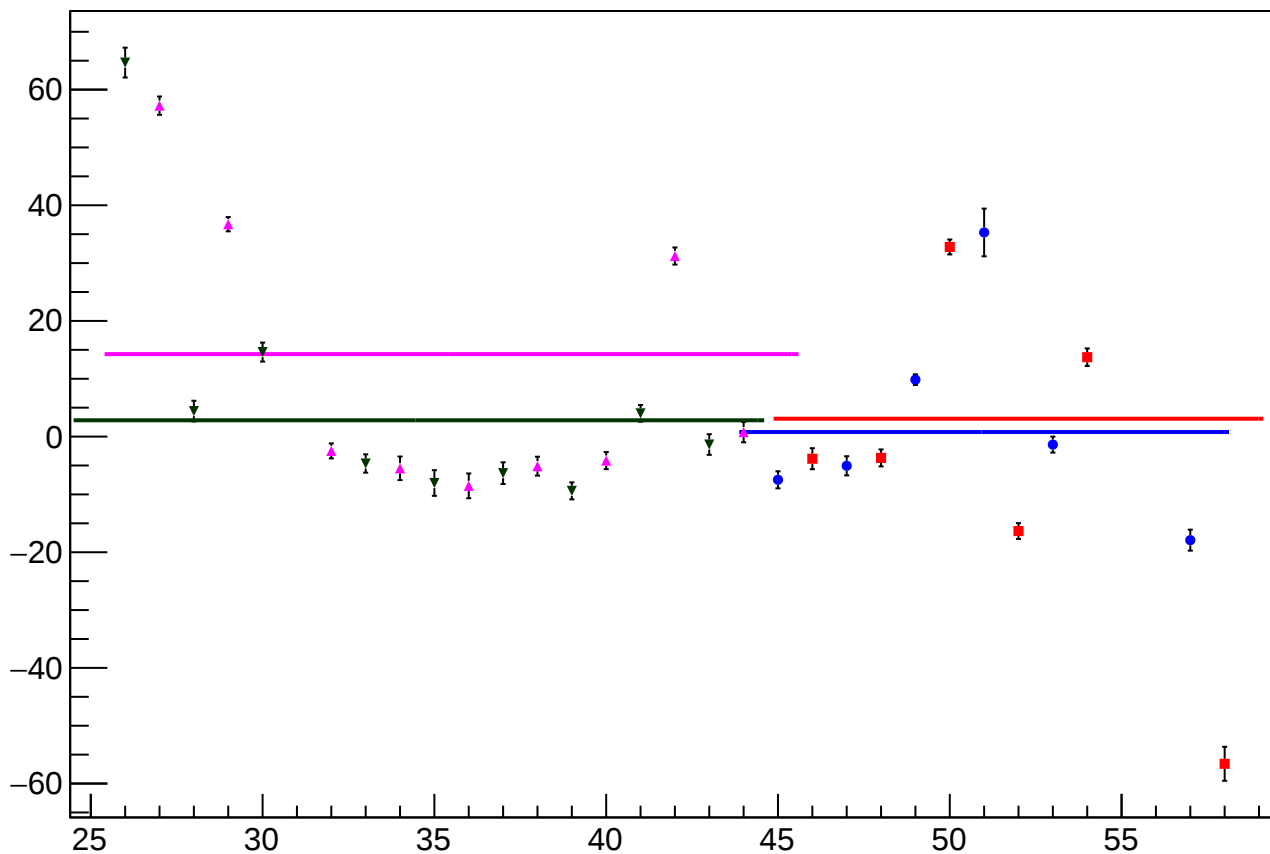
50.928+/-0.538 χ^2/NDF : 73.8/14

Right Out: 52.117+/-0.832 χ^2/NDF : 243.2/5

51.163+/-0.536 χ^2/NDF : 308.7/14

Left In: 50.487+/-0.701 χ^2/NDF : 63.2/8

reg_asym_sam_48_avg_diff_bpm4aY_slope vs slug



Right In: 0.788+/-0.588 χ^2/NDF : 319.4/5

Left Out: 2.819+/-0.580 χ^2/NDF : 771.6/8

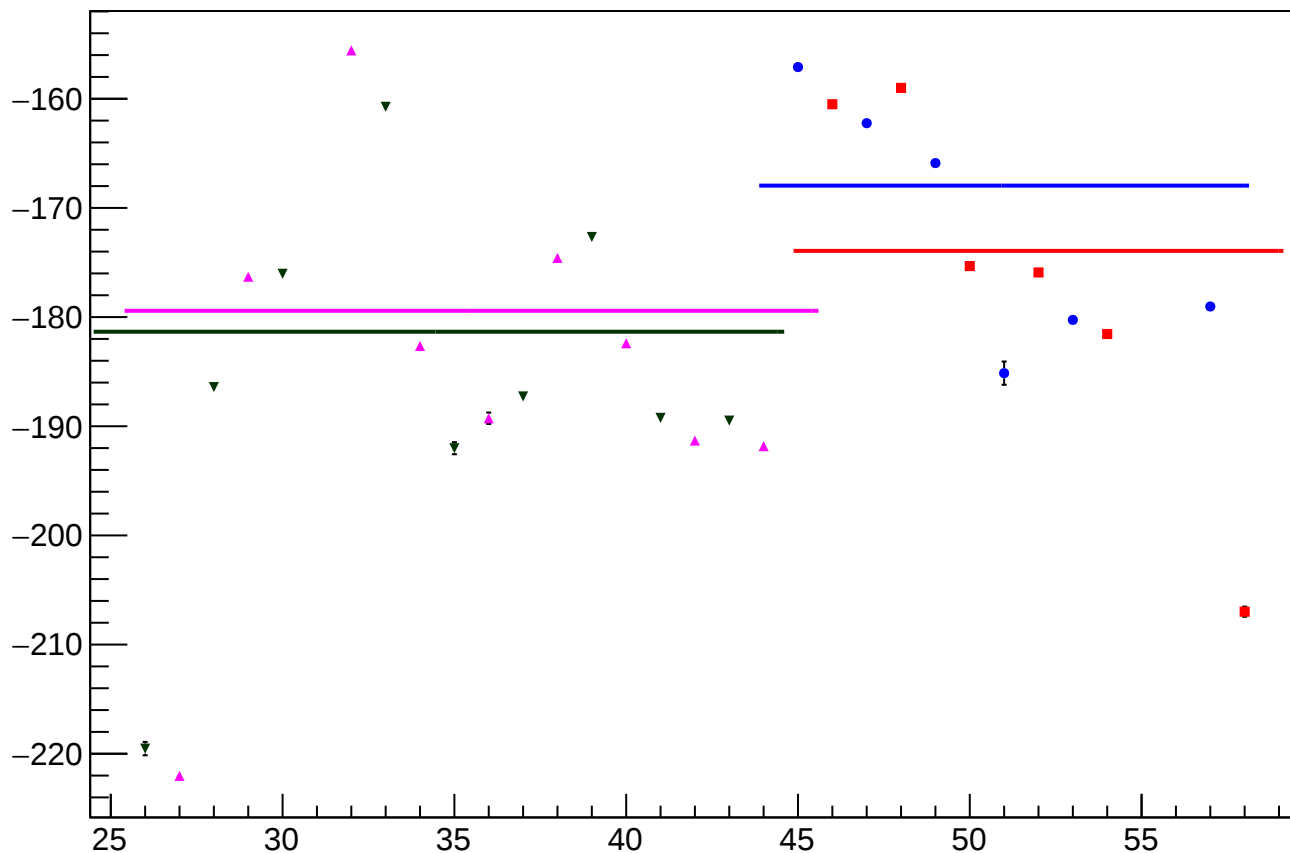
Right Out: 3.093+/-0.638 χ^2/NDF : 1230.6/5

Left In: 14.260+/-0.519 χ^2/NDF : 1925.9/8

1.817+/-0.413 χ^2/NDF : 1097.1/14

9.813+/-0.403 χ^2/NDF : 3340.9/14

reg_asym_sam_48_avg_diff_bpm4eX_slope vs slug



Right In: -167.955+/-0.137 χ^2/NDF : 3791.2/5

Left Out: -181.341+/-0.130 χ^2/NDF :10628.0/8

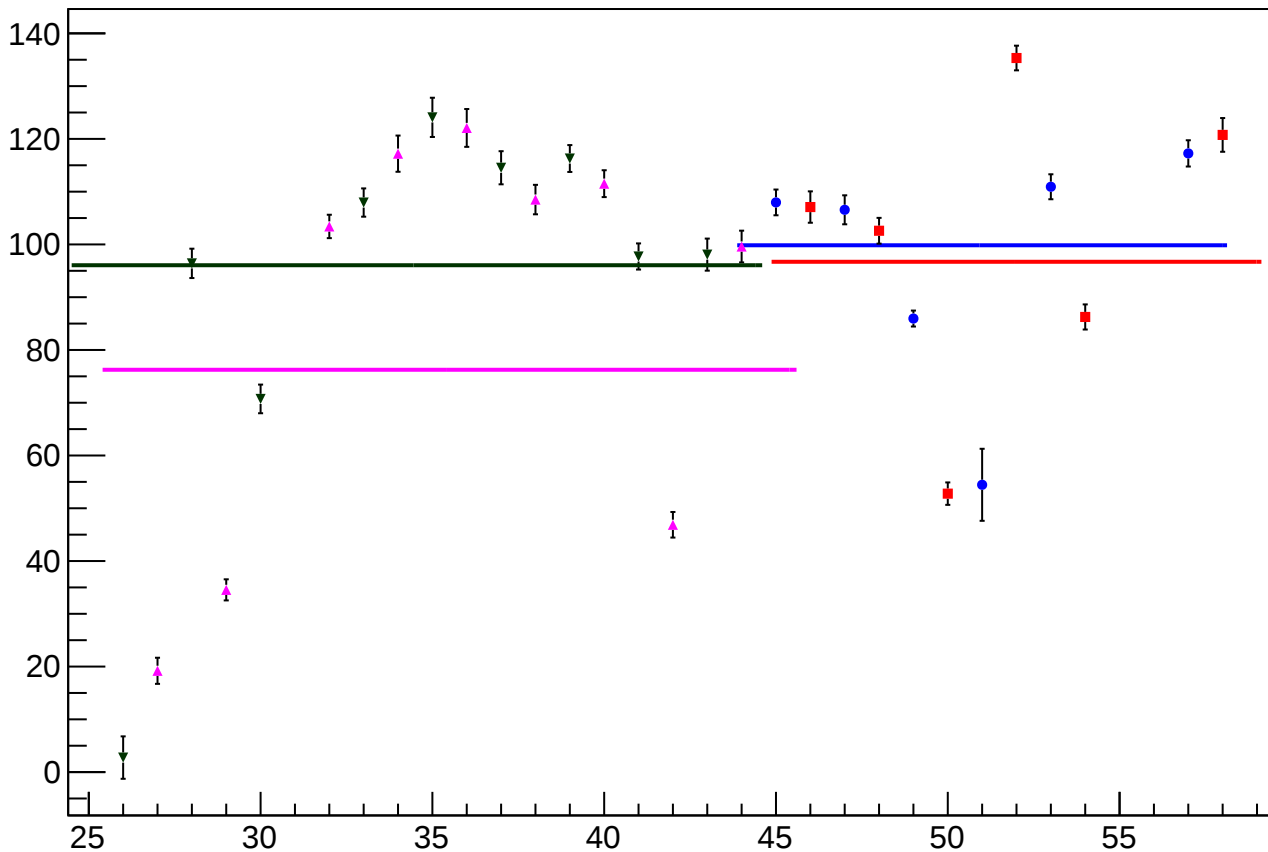
Right Out: -173.934+/-0.145 χ^2/NDF : 9022.3/5

Left In: -179.424+/-0.120 χ^2/NDF :21031.4/8

-175.010+/-0.094 χ^2/NDF : 19461.4/14

-177.201+/-0.092 χ^2/NDF : 30907.2/14

reg_asym_sam_48_avg_diff_bpm4eY_slope vs slug



Right In: 99.841+/-0.954 χ^2 /NDF: 216.5/5

Left Out: 96.058+/-0.969 χ^2 /NDF:800.7/8

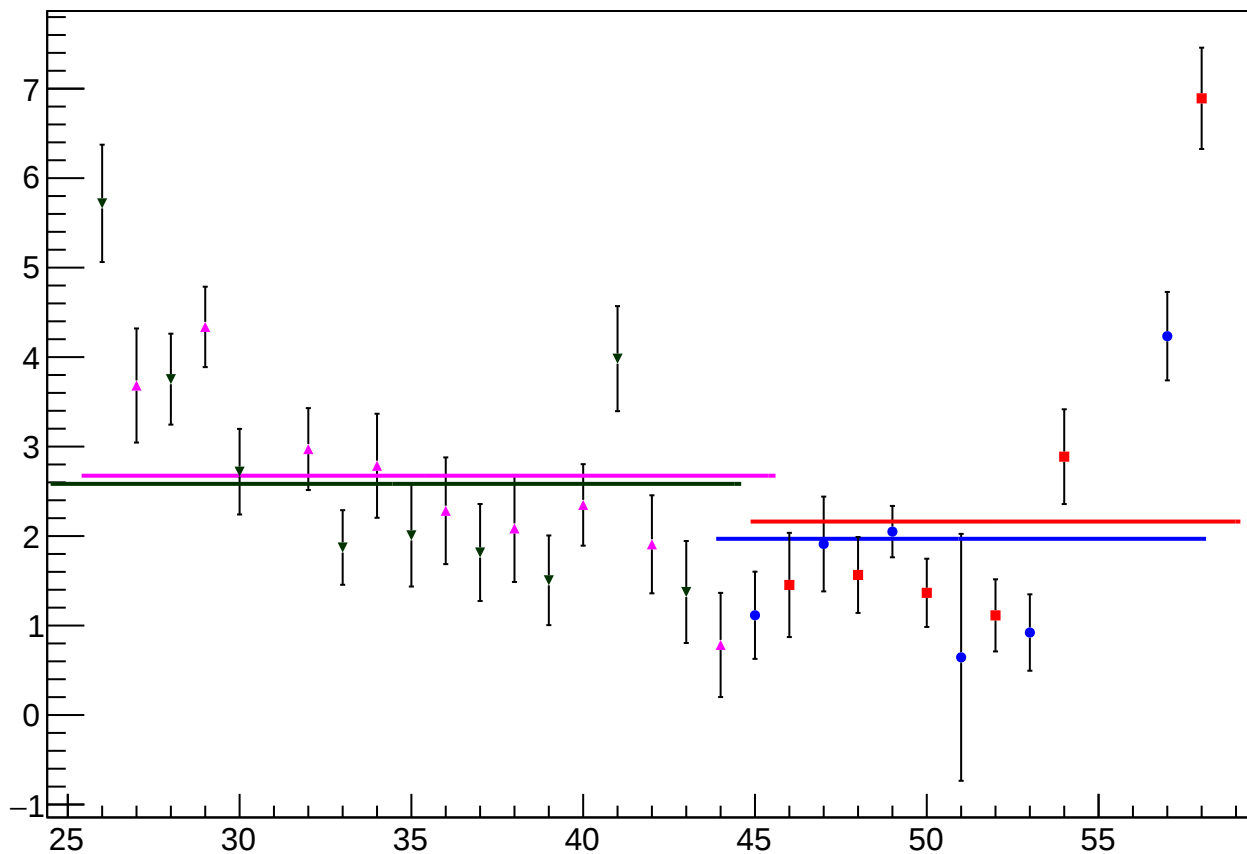
Right Out: 96.713+/-1.021 χ^2 /NDF: 794.0/5

Left In: 76.247+/-0.863 χ^2 /NDF:1954.9/8

97.979+/-0.680 χ^2 /NDF: 1024.9/14

84.776+/-0.659 χ^2 /NDF: 2983.3/14

reg_asym_sam_48_avg_diff_bpm11X_slope vs slug



Right In: 1.969 ± 0.183 χ^2/NDF : 31.1/5

Left Out: 2.583 ± 0.175 χ^2/NDF : 49.0/8

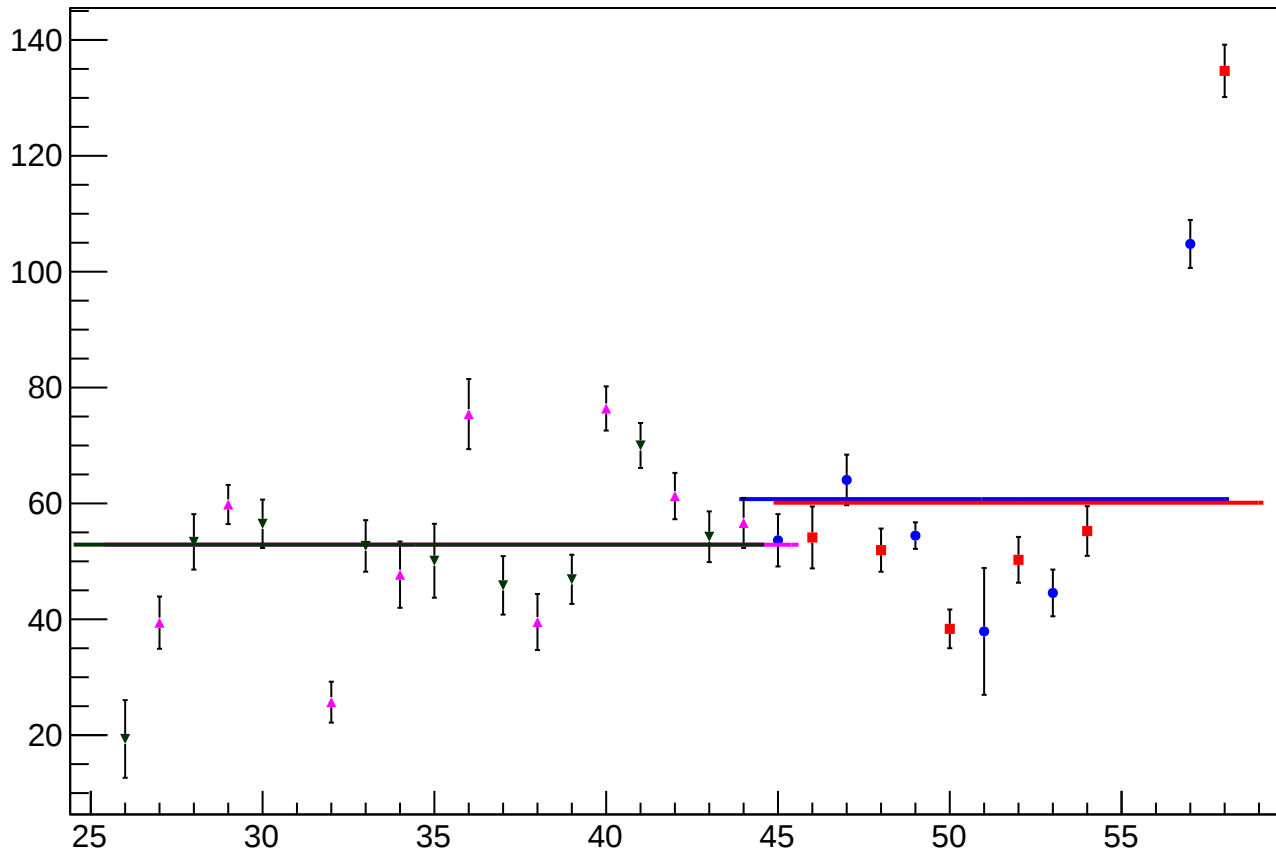
Right Out: 2.162 ± 0.188 χ^2/NDF : 86.2/5

Left In: 2.675 ± 0.177 χ^2/NDF : 31.1/8

2.290 ± 0.126 χ^2/NDF : 86.0/14

2.434 ± 0.129 χ^2/NDF : 121.2/14

reg_asym_sam_48_dd_diff_bpm4aX_slope vs slug



Right In: 60.746 $\pm$ 1.541 χ^2 /NDF: 144.2/5

Left Out: 52.889 $\pm$ 1.558 χ^2 /NDF: 49.5/8

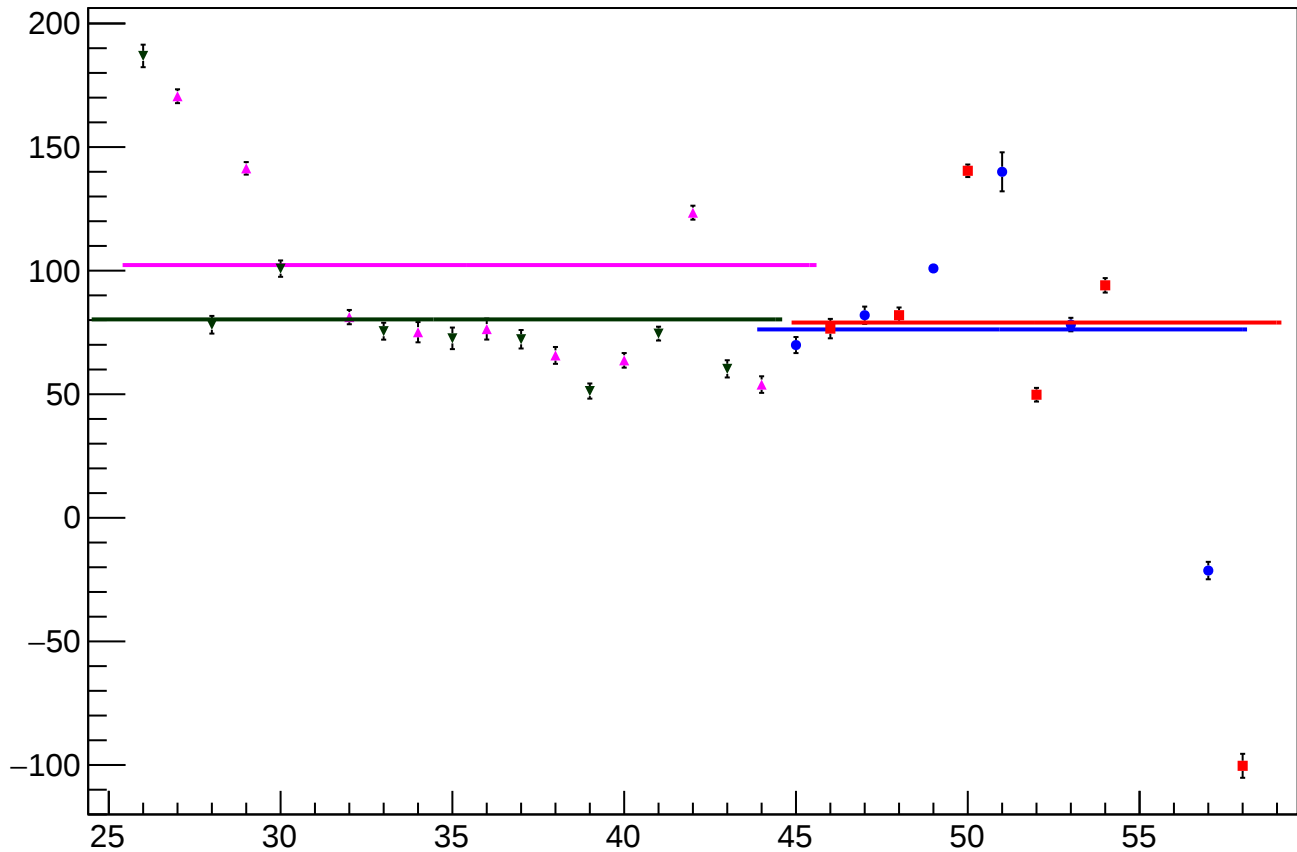
Right Out: 60.122 $\pm$ 1.658 χ^2 /NDF: 327.9/5

Left In: 52.872 $\pm$ 1.411 χ^2 /NDF: 137.9/8

56.861 $\pm$ 1.096 χ^2 /NDF: 206.5/14

55.918 $\pm$ 1.074 χ^2 /NDF: 476.9/14

reg_asym_sam_48_dd_diff_bpm4aY_slope vs slug



Right In: 76.222 ± 1.214 χ^2/NDF : 1002.8/5

Left Out: 80.279 ± 1.160 χ^2/NDF : 722.6/8

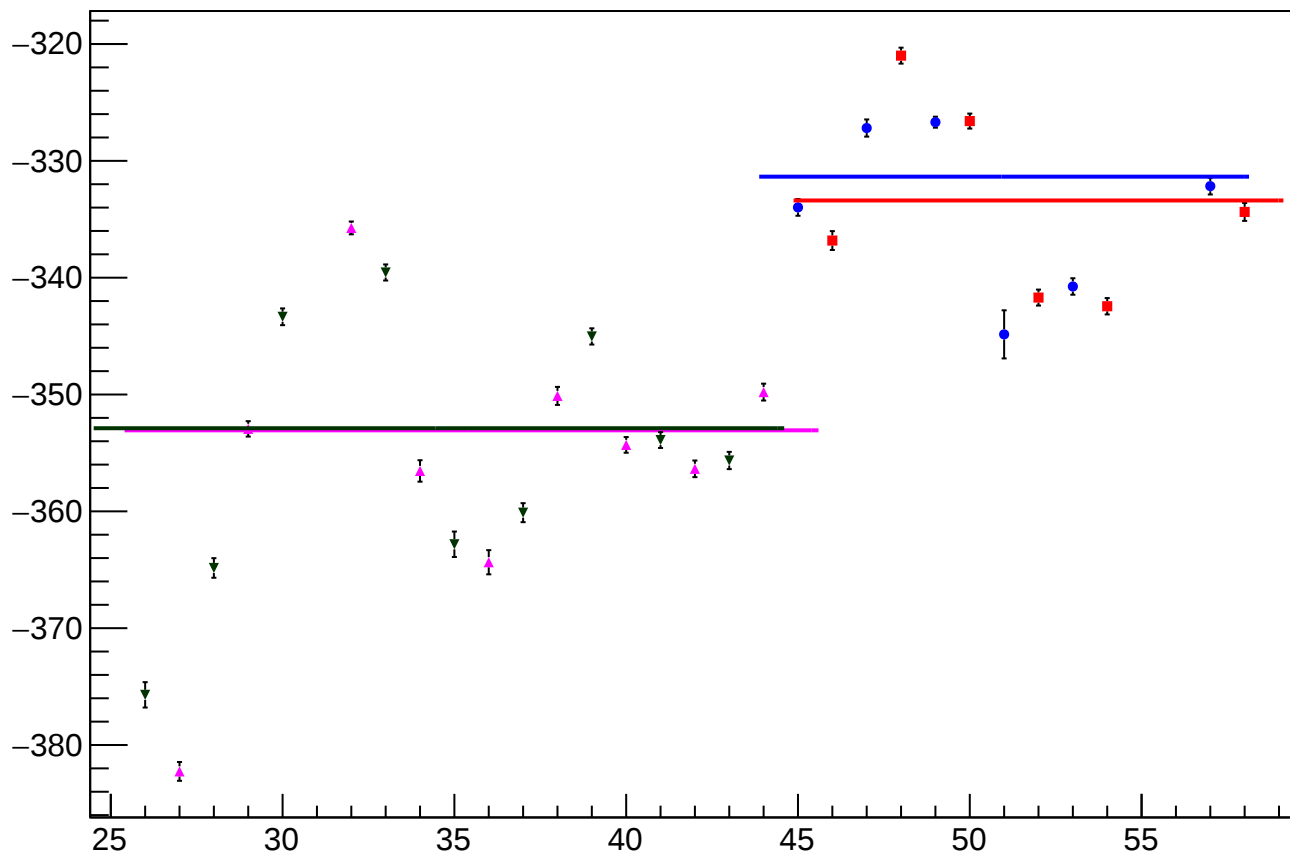
Right Out: 79.007 ± 1.278 χ^2/NDF : 2092.8/5

Left In: 102.261 ± 1.036 χ^2/NDF : 1514.4/8

78.343 ± 0.839 χ^2/NDF : 1731.3/14

93.043 ± 0.805 χ^2/NDF : 3806.9/14

reg_asym_sam_48_dd_diff_bpm4eX_slope vs slug



Right In: -331.353+/-0.283 χ^2/NDF : 366.0/5

Left Out: -352.885+/-0.260 χ^2/NDF :1502.5/8

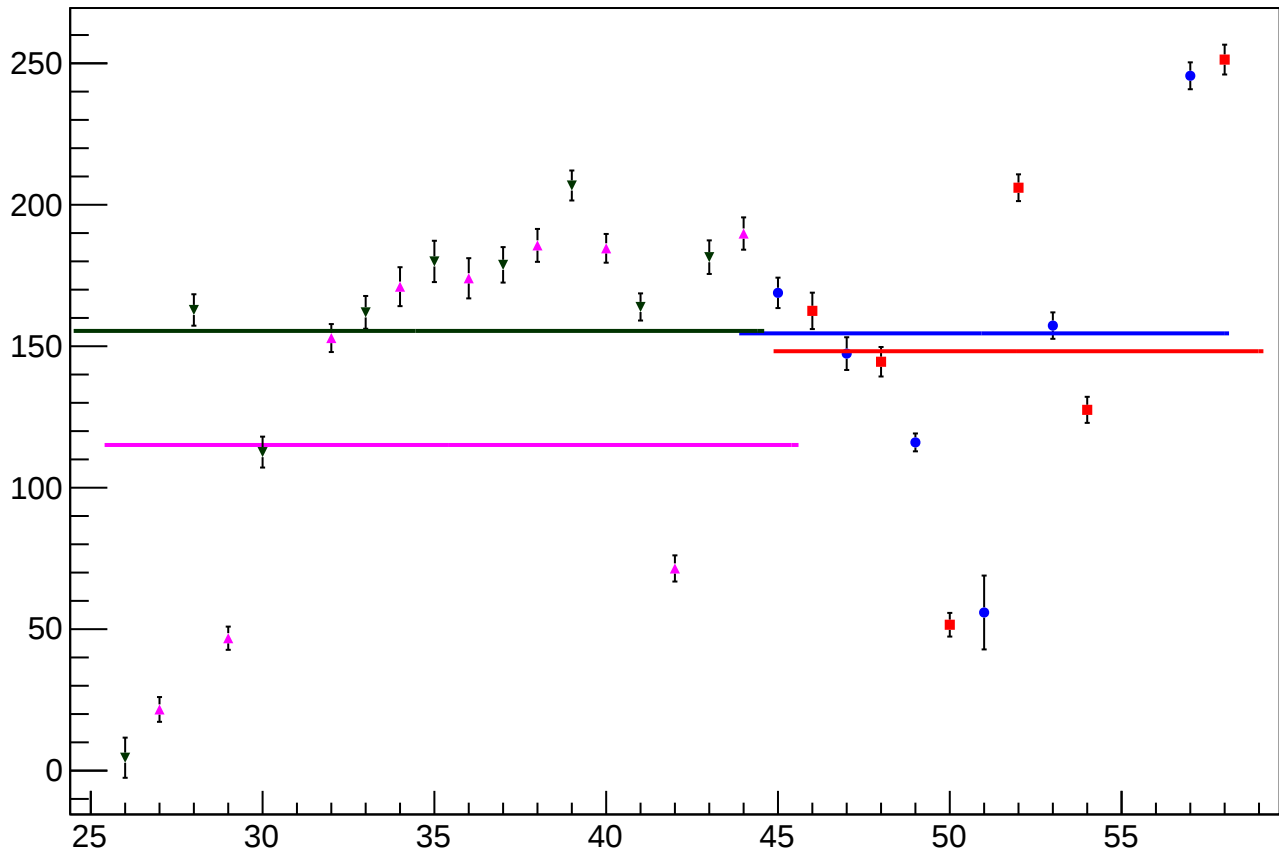
Right Out: -333.391+/-0.289 χ^2/NDF : 777.0/5

Left In: -353.066+/-0.242 χ^2/NDF :2507.5/8

-343.004+/-0.191 χ^2/NDF : 5009.3/14

-344.947+/-0.185 χ^2/NDF : 6012.8/14

reg_asym_sam_48_dd_diff_bpm4eY_slope vs slug



Right In: 154.550 $\pm$ 1.959 χ^2 /NDF: 581.6/5

Left Out: 155.417 $\pm$ 1.935 χ^2 /NDF: 657.8/8

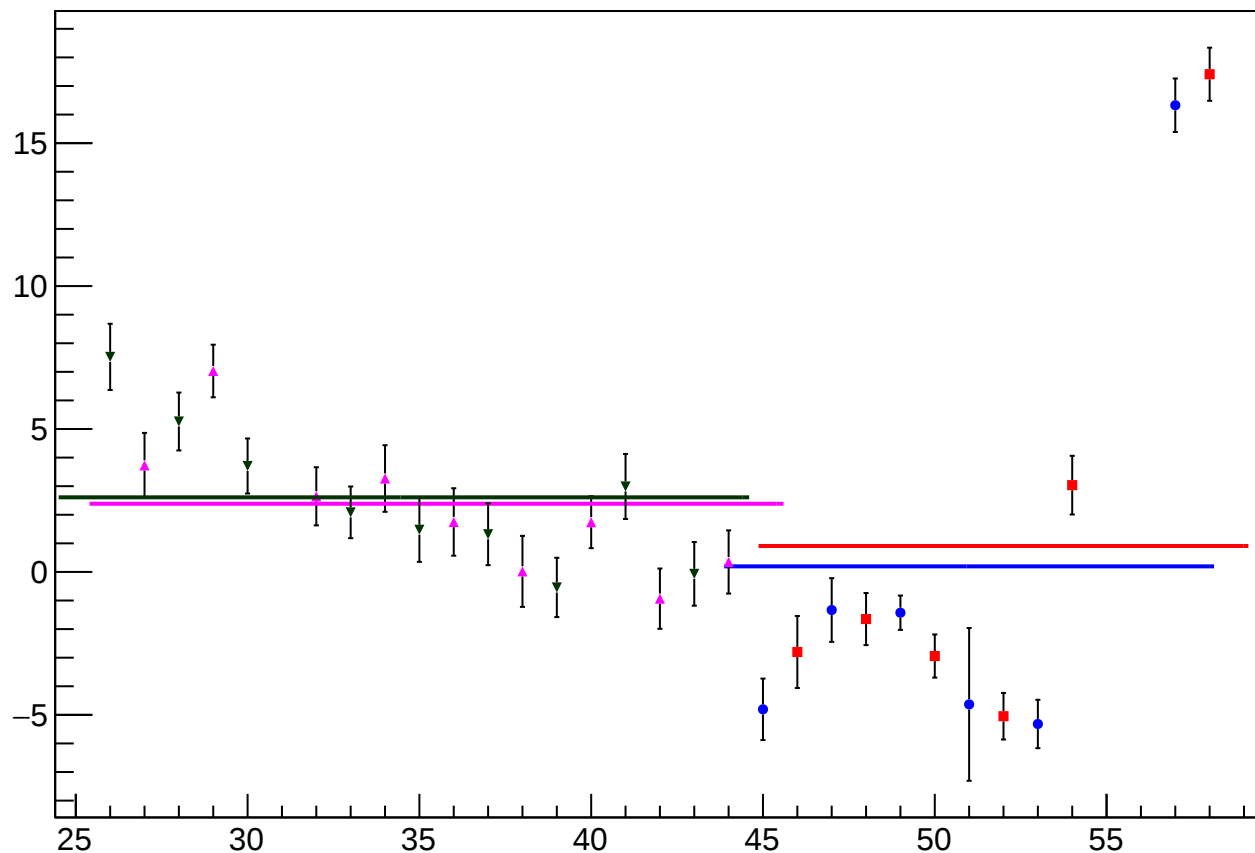
Right Out: 148.237 $\pm$ 2.017 χ^2 /NDF: 1091.1/5

Left In: 115.104 $\pm$ 1.717 χ^2 /NDF: 1520.3/8

154.989 $\pm$ 1.377 χ^2 /NDF: 1239.5/14

129.031 $\pm$ 1.308 χ^2 /NDF: 2767.8/14

reg_asym_sam_48_dd_diff_bpm11X_slope vs slug



Right In: 0.195 $\pm$ 0.375 χ^2 /NDF: 373.7/5

Left Out: 2.609 $\pm$ 0.350 χ^2 /NDF:44.1/8

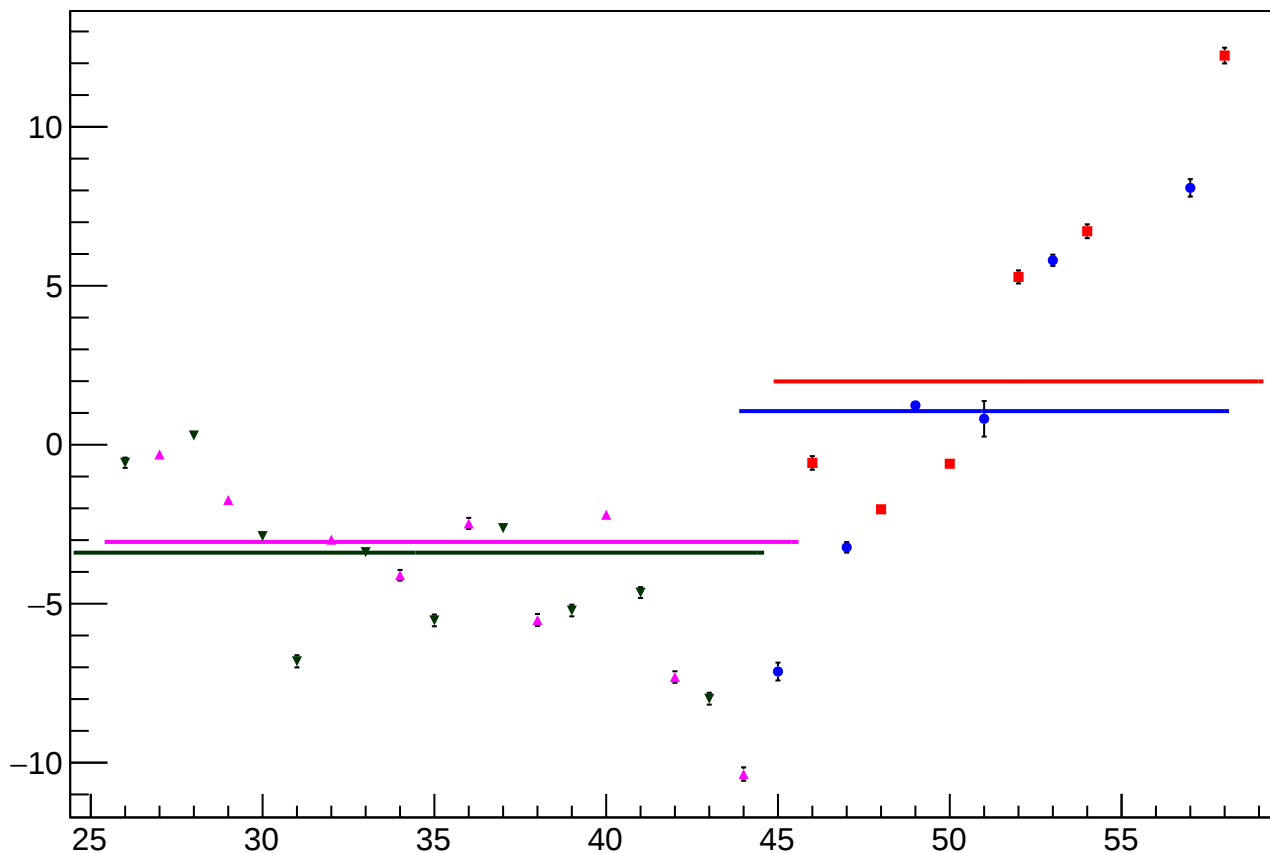
Right Out: 0.908 $\pm$ 0.373 χ^2 /NDF: 415.7/5

Left In: 2.386 $\pm$ 0.355 χ^2 /NDF:45.2/8

1.486 $\pm$ 0.256 χ^2 /NDF: 439.9/14

1.683 $\pm$ 0.257 χ^2 /NDF: 469.2/14

reg_asym_bcm_an_ds3_diff_bpm4aX_slope vs slug



Right In: 1.058+/-0.073 χ^2/NDF : 2874.8/5

Left Out: -3.394+/-0.049 χ^2/NDF : 2310.5/9

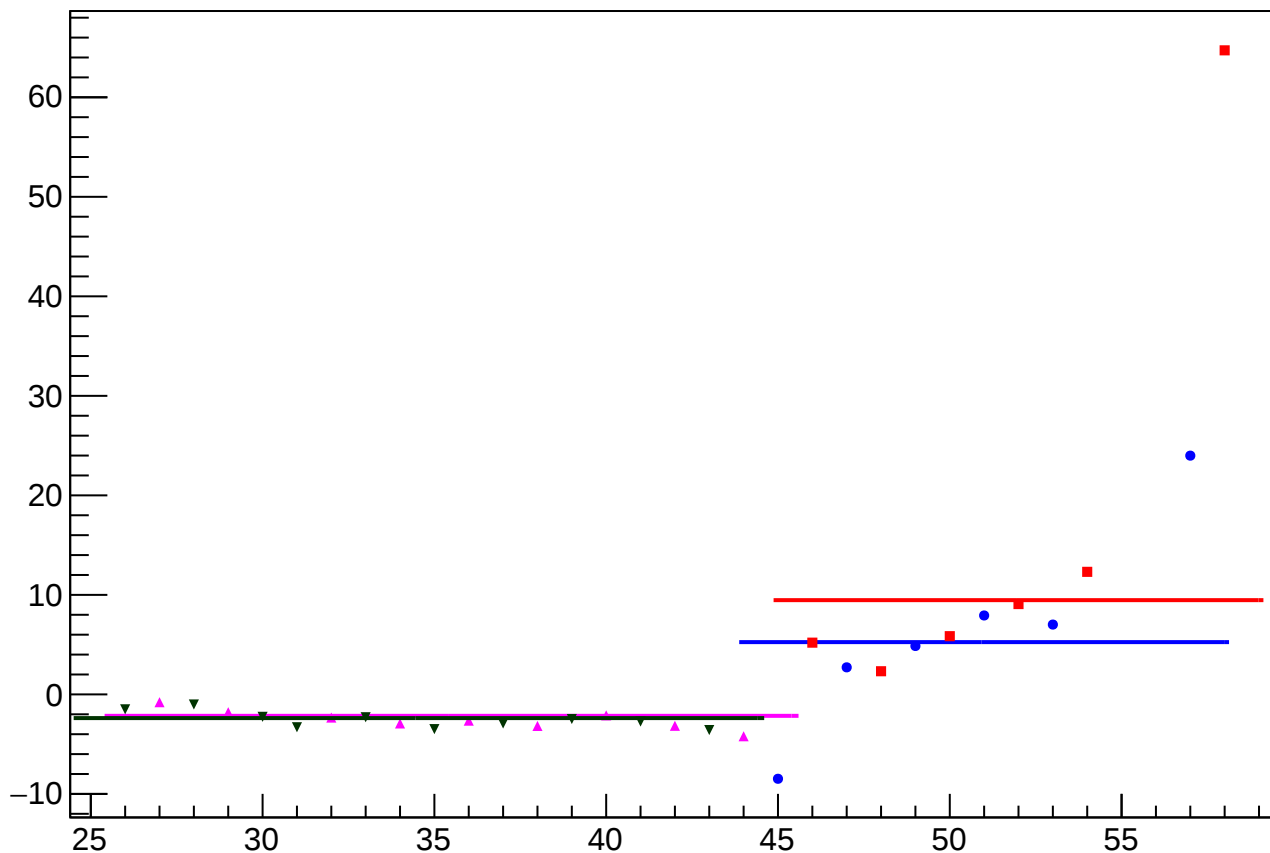
-1.987+/-0.041 χ^2/NDF : 7763.3/15

Right Out: 1.993+/-0.076 χ^2/NDF : 3545.3/5

-1.801+/-0.038 χ^2/NDF : 9517.6/14

Left In: -3.057+/-0.044 χ^2/NDF : 2696.4/8

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs slug



Right In: 5.253+/-0.057 χ^2/NDF : 12536.7/5

Left Out: -2.381+/-0.037 χ^2/NDF : 466.1/9

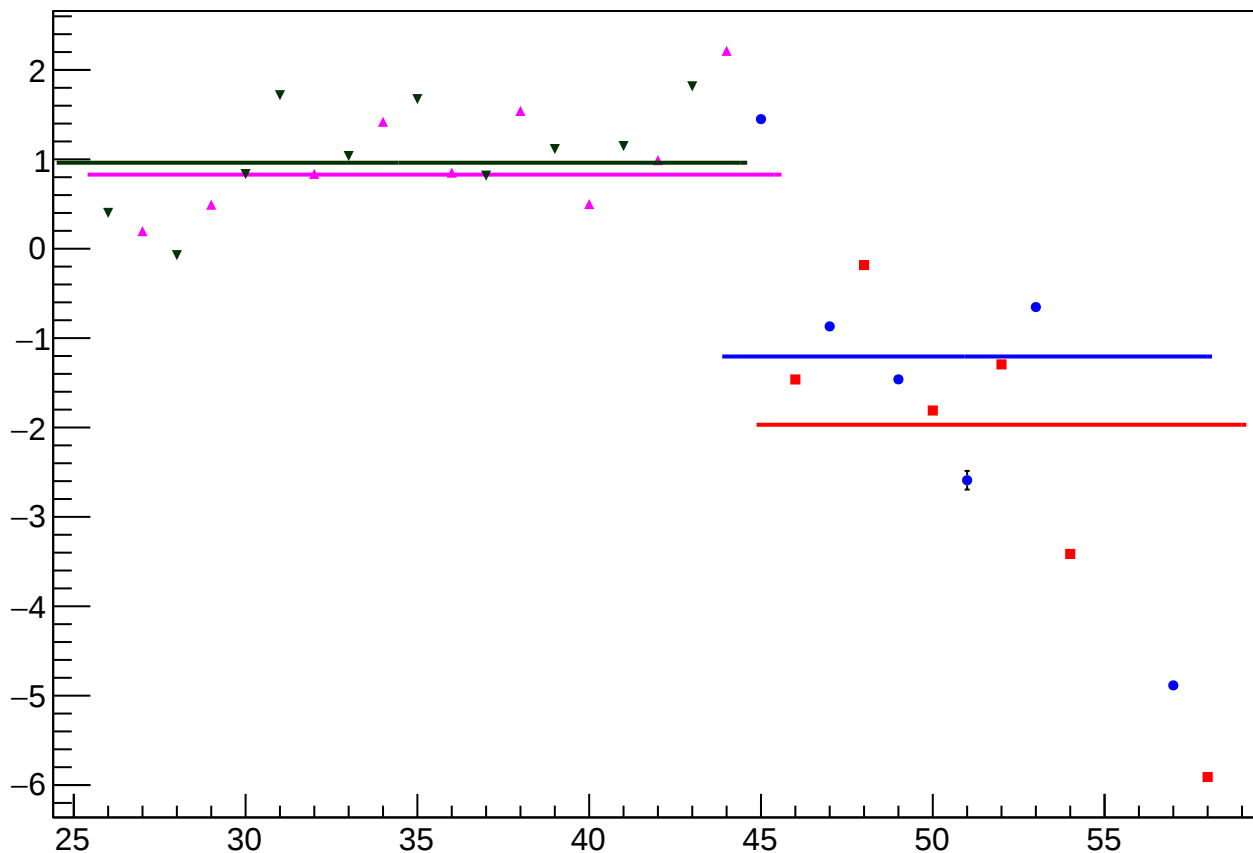
Right Out: 9.471+/-0.059 χ^2/NDF : 47638.5/5

Left In: -2.154+/-0.032 χ^2/NDF : 703.0/8

-0.131+/-0.031 χ^2/NDF : 25680.3/15

0.546+/-0.028 χ^2/NDF : 78100.3/14

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs slug



Right In: -1.206+/-0.013 χ^2/NDF : 10300.9/5

Left Out: 0.962+/-0.008 χ^2/NDF : 4690.6/9

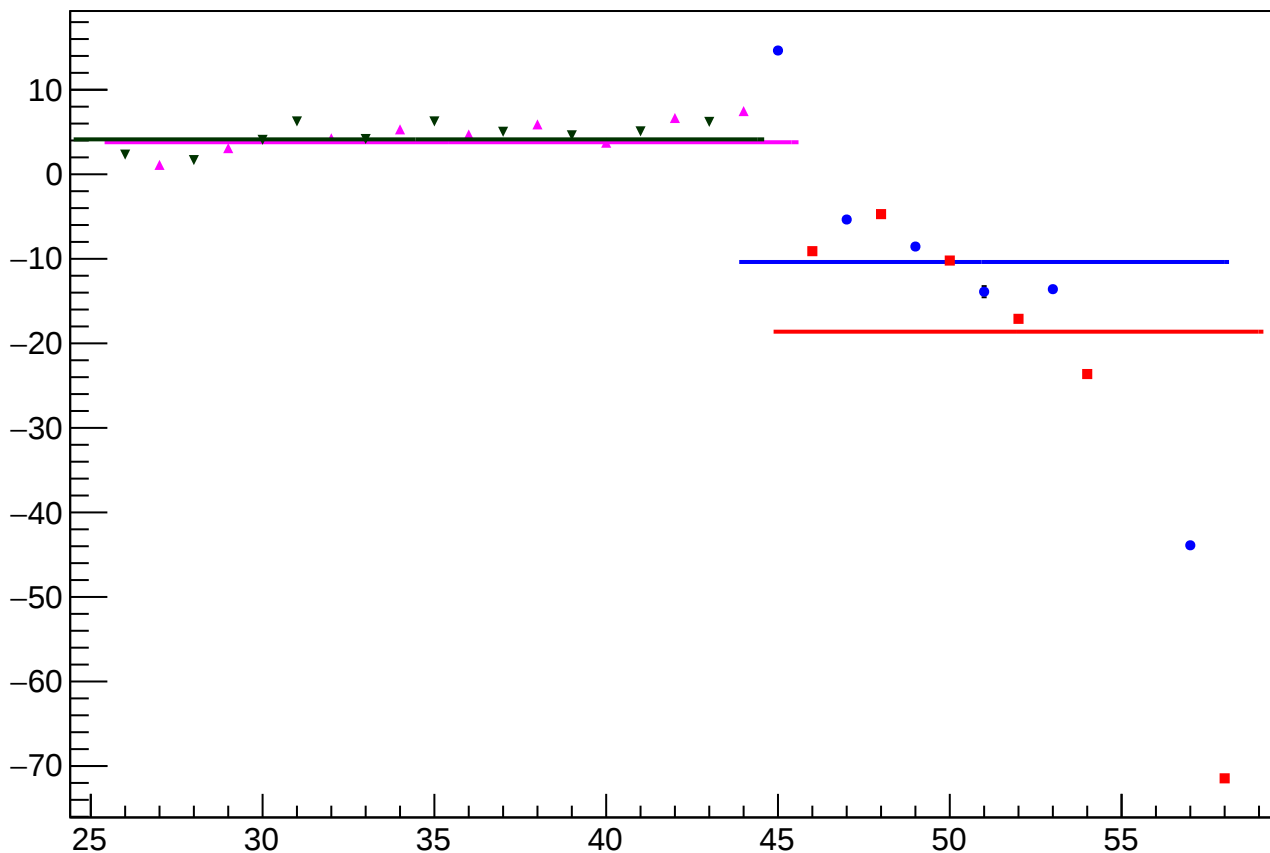
Right Out: -1.969+/-0.013 χ^2/NDF : 14962.1/5

Left In: 0.829+/-0.007 χ^2/NDF : 3974.9/8

0.399+/-0.007 χ^2/NDF : 34139.1/15

0.161+/-0.006 χ^2/NDF : 52637.6/14

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs slug



Right In: -10.374 ± 0.094 $\chi^2/\text{NDF}: 17587.7/5$

Left Out: 4.132 ± 0.061 $\chi^2/\text{NDF}: 639.2/9$

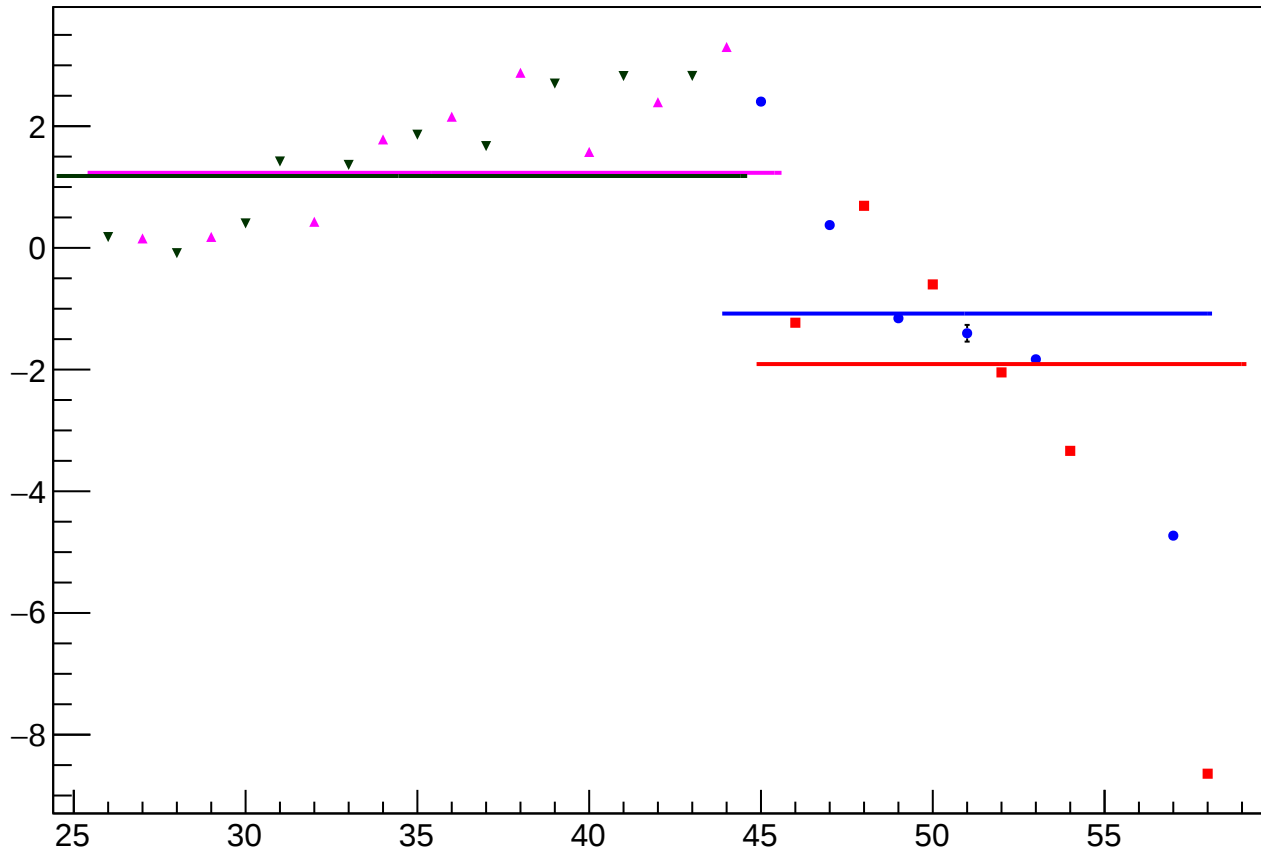
Right Out: -18.619 ± 0.095 $\chi^2/\text{NDF}: 40752.0/5$

Left In: 3.791 ± 0.054 $\chi^2/\text{NDF}: 1110.0/8$

-0.157 ± 0.051 $\chi^2/\text{NDF}: 35014.6/15$

-1.680 ± 0.047 $\chi^2/\text{NDF}: 84348.0/14$

reg_asym_bcm_an_ds3_diff_bpm11X_slope vs slug



Right In: -1.080+/-0.018 χ^2/NDF : 7653.3/5

Left Out: 1.181+/-0.011 χ^2/NDF : 8123.1/9

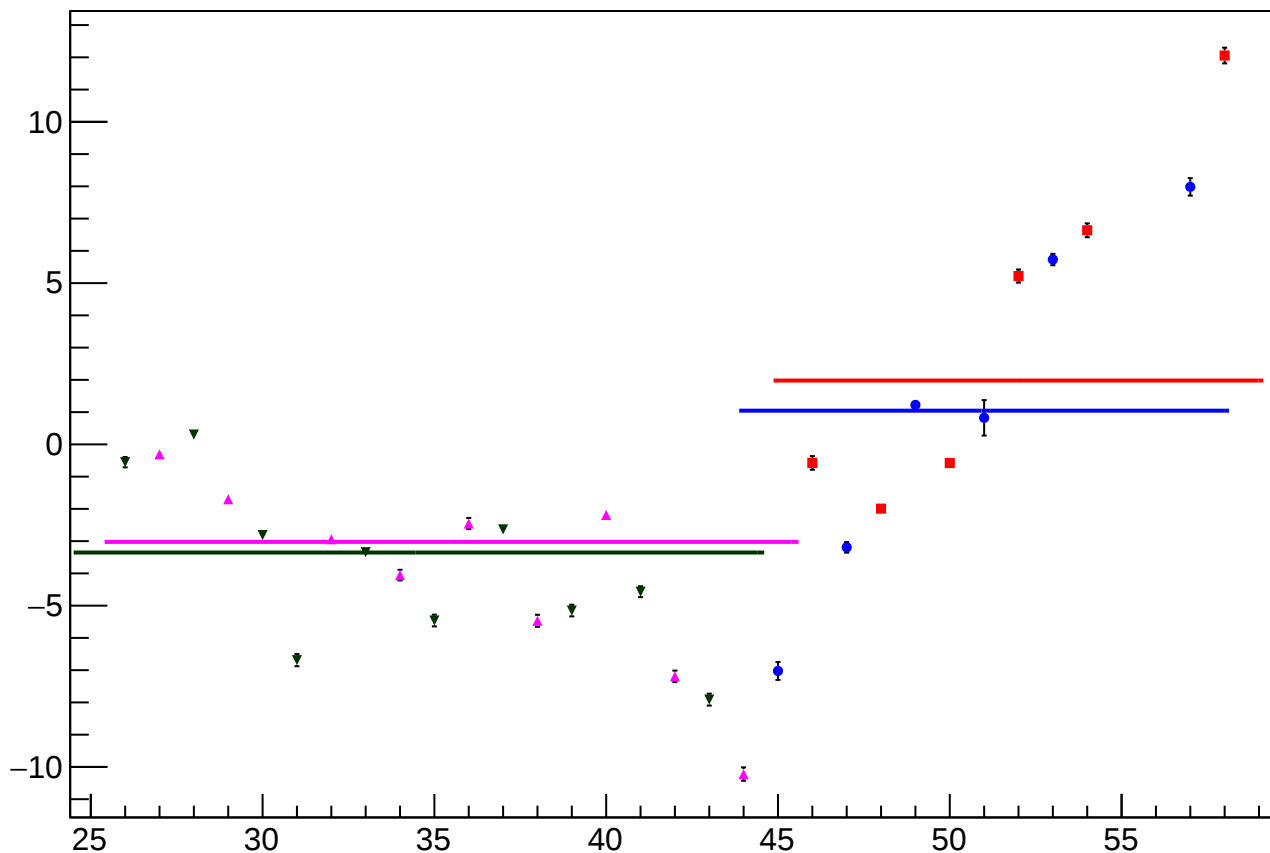
Right Out: -1.910+/-0.017 χ^2/NDF : 24390.9/5

Left In: 1.234+/-0.011 χ^2/NDF : 7862.9/8

0.586+/-0.009 χ^2/NDF : 27560.3/15

0.325+/-0.009 χ^2/NDF : 55232.6/14

reg_asym_bcm_an_ds_diff_bpm4aX_slope vs slug



Right In: 1.045+/-0.072 χ^2/NDF : 2880.1/5

Left Out: -3.353+/-0.049 χ^2/NDF : 2320.8/9

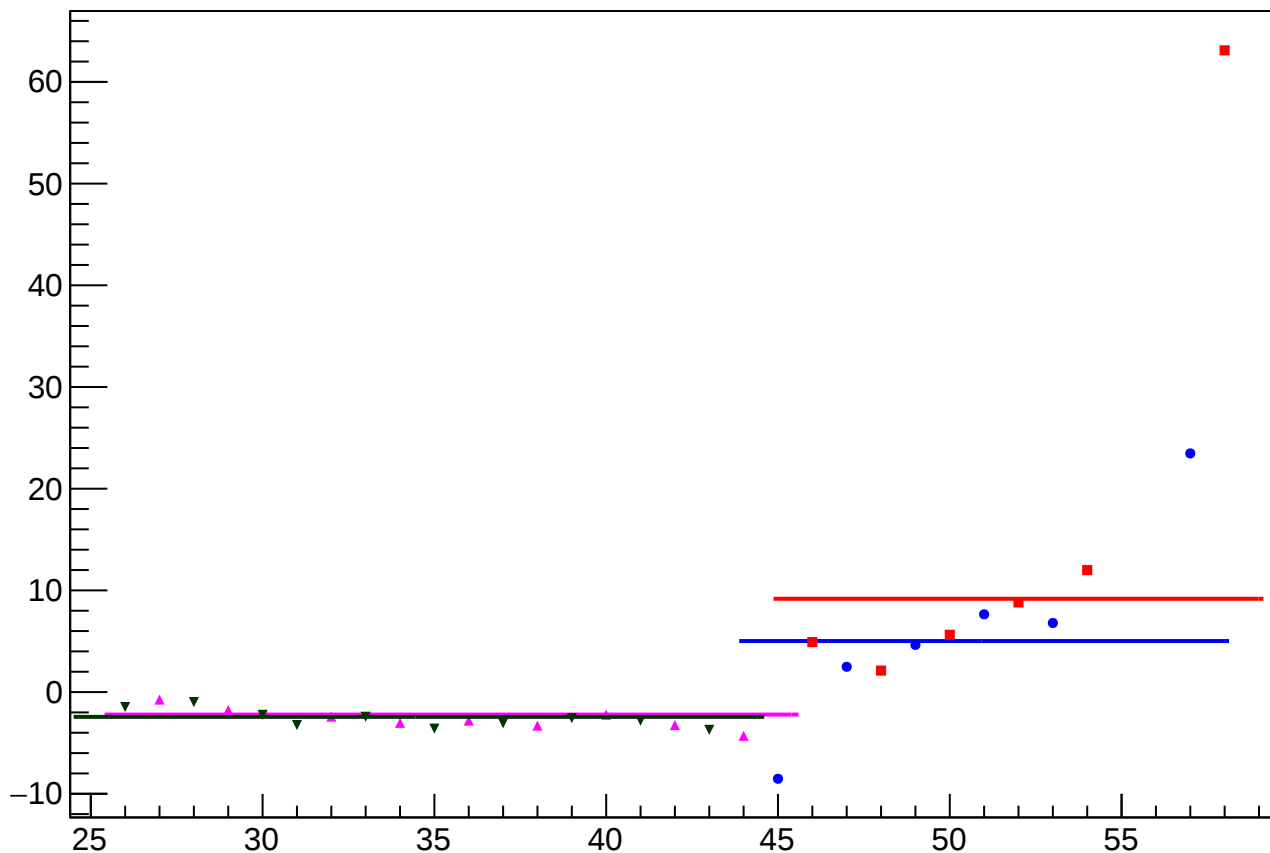
Right Out: 1.980+/-0.075 χ^2/NDF : 3554.2/5

Left In: -3.023+/-0.043 χ^2/NDF : 2702.0/8

-1.962+/-0.040 χ^2/NDF : 7786.9/15

-1.776+/-0.038 χ^2/NDF : 9561.4/14

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs slug



Right In: 5.019+/-0.056 χ^2/NDF : 12539.2/5

Left Out: -2.438+/-0.036 χ^2/NDF : 538.5/9

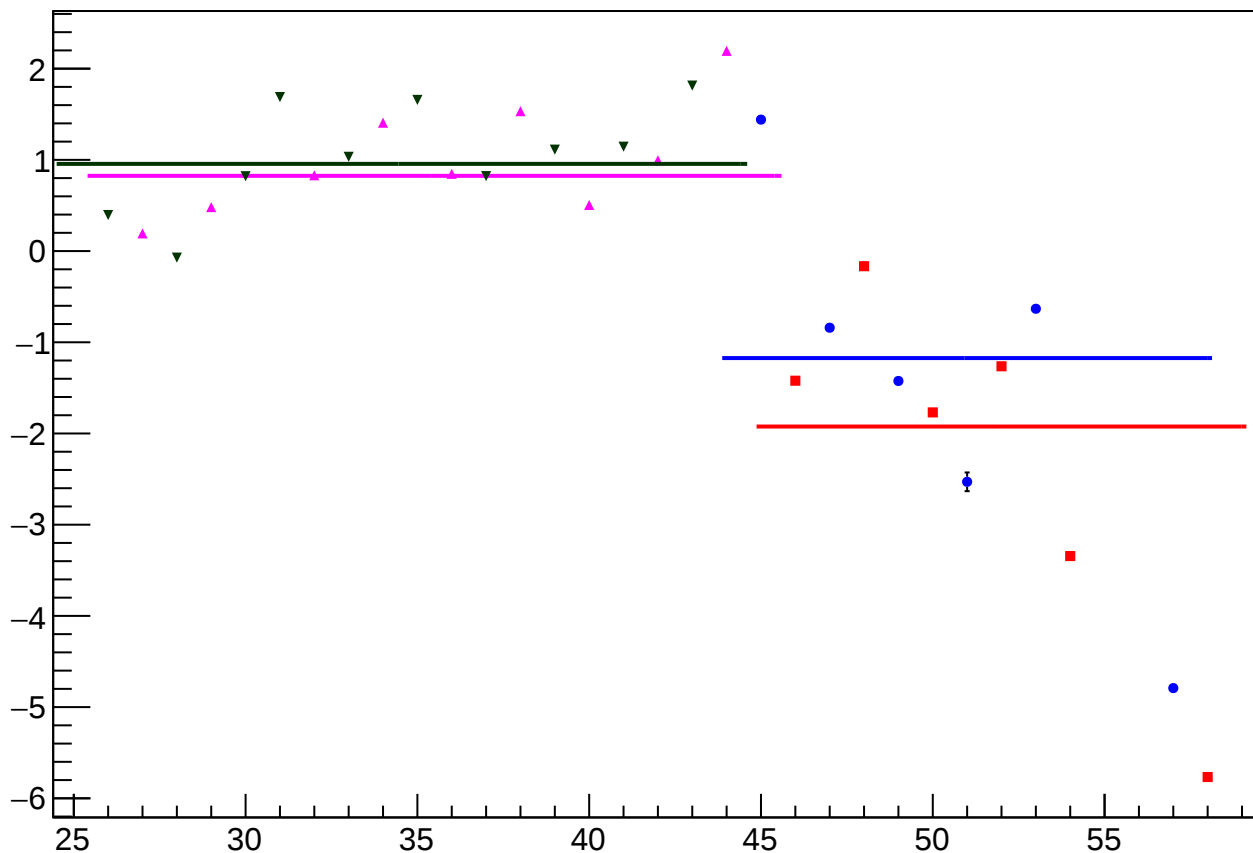
Right Out: 9.177+/-0.058 χ^2/NDF : 47126.0/5

Left In: -2.211+/-0.032 χ^2/NDF : 822.7/8

-0.239+/-0.030 χ^2/NDF : 25513.9/15

0.440+/-0.028 χ^2/NDF : 77294.8/14

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs slug



Right In: -1.173+/-0.013 χ^2/NDF : 10254.6/5

Left Out: 0.956+/-0.008 χ^2/NDF : 4739.0/9

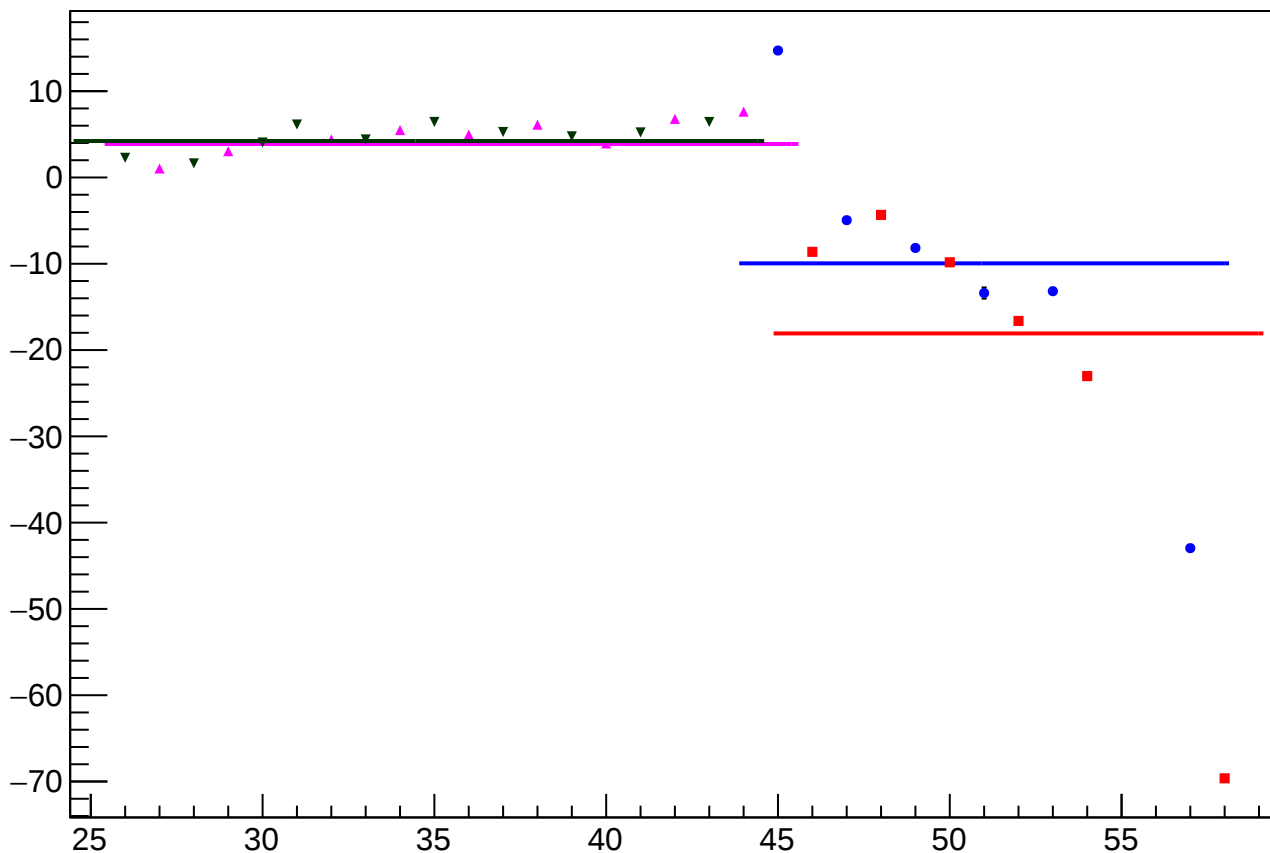
Right Out: -1.924+/-0.013 χ^2/NDF : 14808.5/5

Left In: 0.825+/-0.007 χ^2/NDF : 4028.9/8

0.403+/-0.007 χ^2/NDF : 33987.1/15

0.167+/-0.006 χ^2/NDF : 52270.3/14

reg_asym_bcm_an_ds_diff_bpm4eY_slope vs slug



Right In: -9.952+/-0.093 χ^2/NDF : 17578.0/5

Left Out: 4.225+/-0.060 χ^2/NDF : 727.8/9

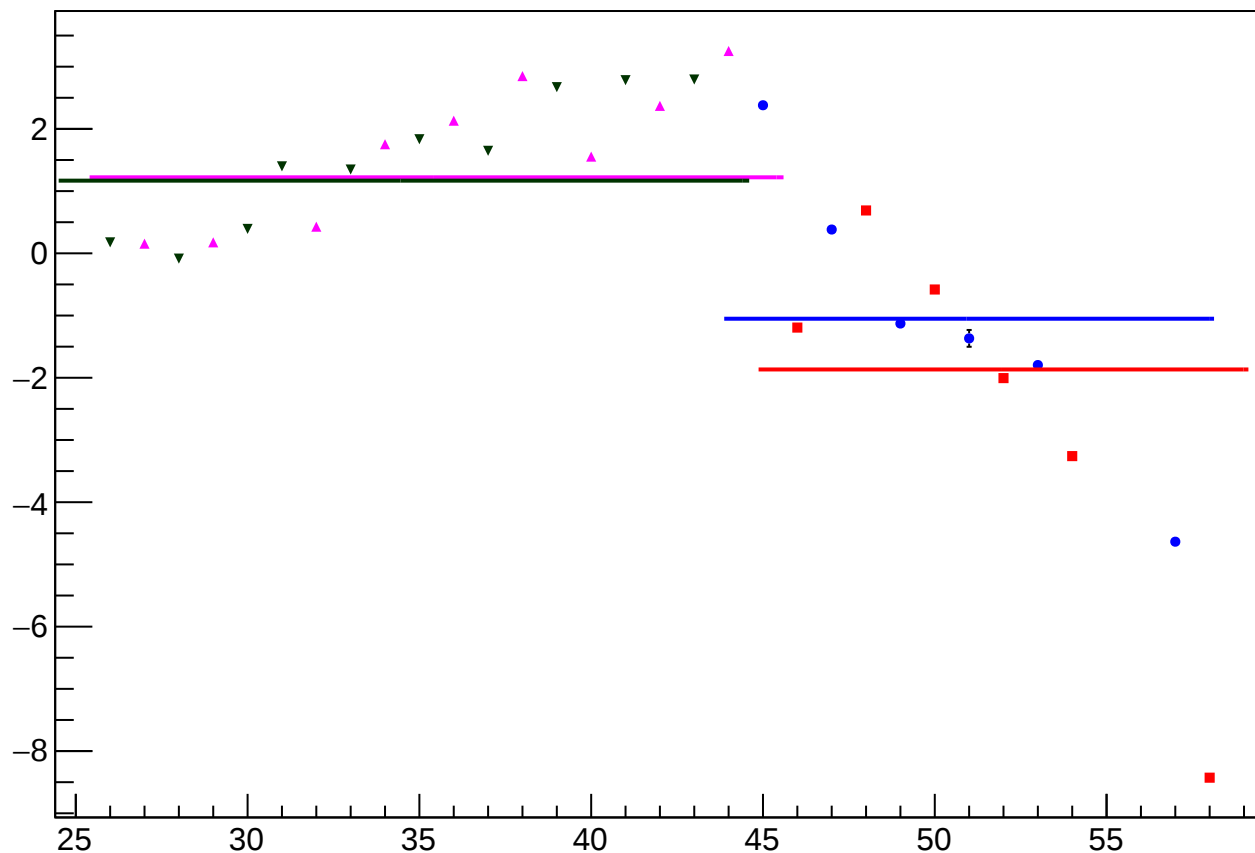
Right Out: -18.075+/-0.093 χ^2/NDF : 40326.8/5

Left In: 3.882+/-0.053 χ^2/NDF : 1263.9/8

0.030+/-0.050 χ^2/NDF : 34791.1/15

-1.491+/-0.046 χ^2/NDF : 83517.7/14

reg_asym_bcm_an_ds_diff_bpm11X_slope vs slug



Right In: -1.051+/-0.018 χ^2/NDF : 7622.4/5

Left Out: 1.168+/-0.011 χ^2/NDF : 8132.7/9

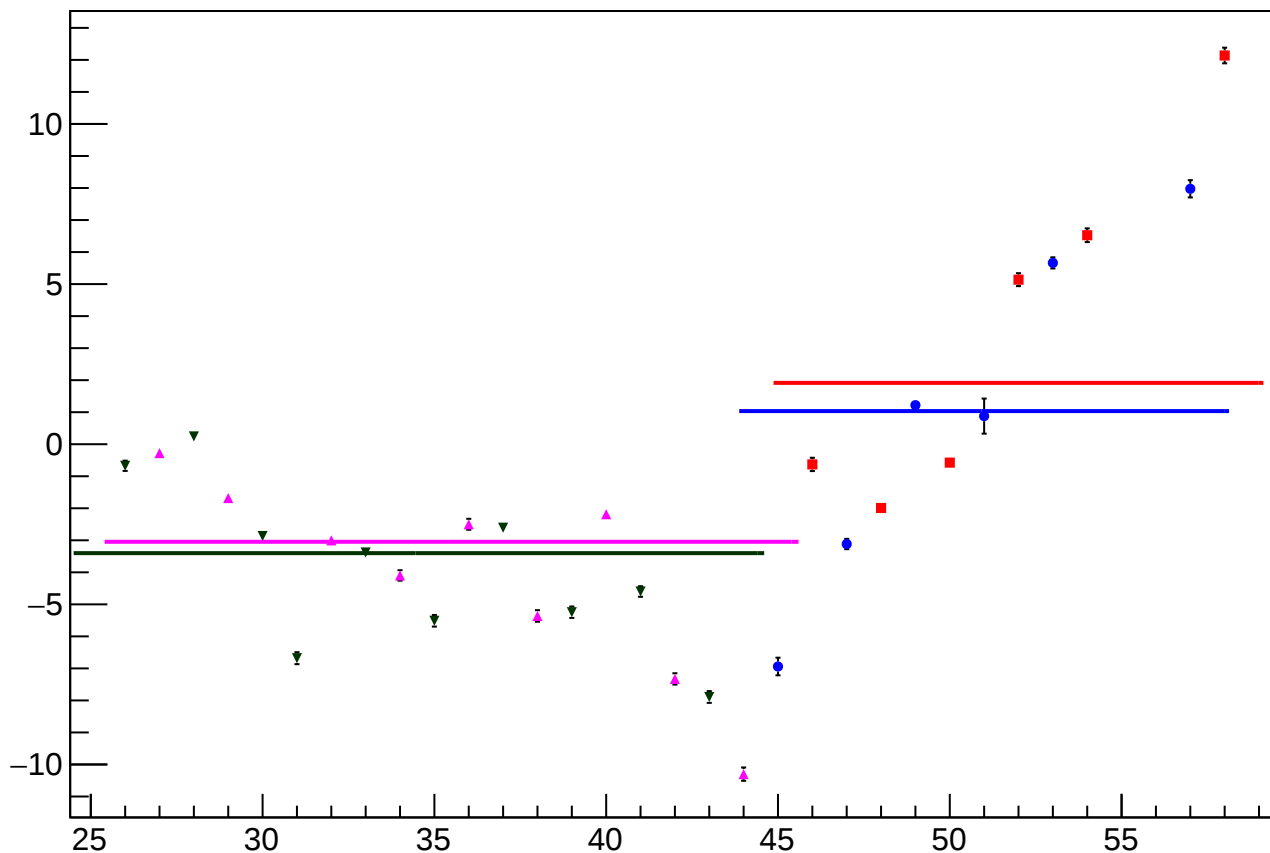
Right Out: -1.867+/-0.017 χ^2/NDF : 24072.8/5

Left In: 1.222+/-0.011 χ^2/NDF : 7856.1/8

0.583+/-0.009 χ^2/NDF : 27425.6/15

0.327+/-0.009 χ^2/NDF : 54735.3/14

reg_asym_bcm_an_us_diff_bpm4aX_slope vs slug



Right In: 1.034+/-0.071 χ^2/NDF : 2868.7/5

Left Out: -3.401+/-0.048 χ^2/NDF : 2306.6/9

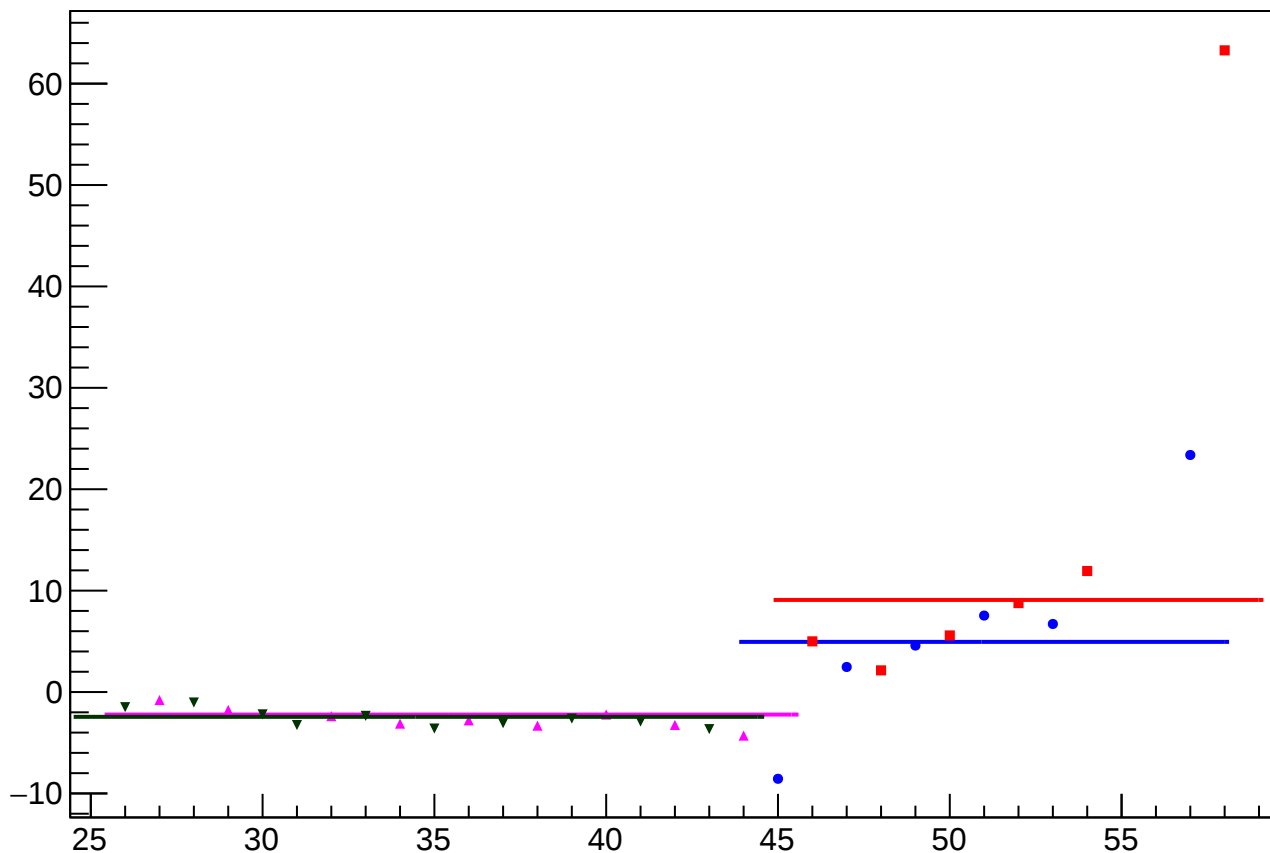
Right Out: 1.916+/-0.075 χ^2/NDF : 3578.7/5

Left In: -3.046+/-0.043 χ^2/NDF : 2807.9/8

-1.998+/-0.040 χ^2/NDF : 7858.6/15

-1.818+/-0.037 χ^2/NDF : 9704.3/14

reg_asym_bcm_an_us_diff_bpm4aY_slope vs slug



Right In: 4.948+/-0.056 χ^2/NDF : 12603.9/5

Left Out: -2.445+/-0.036 χ^2/NDF : 529.3/9

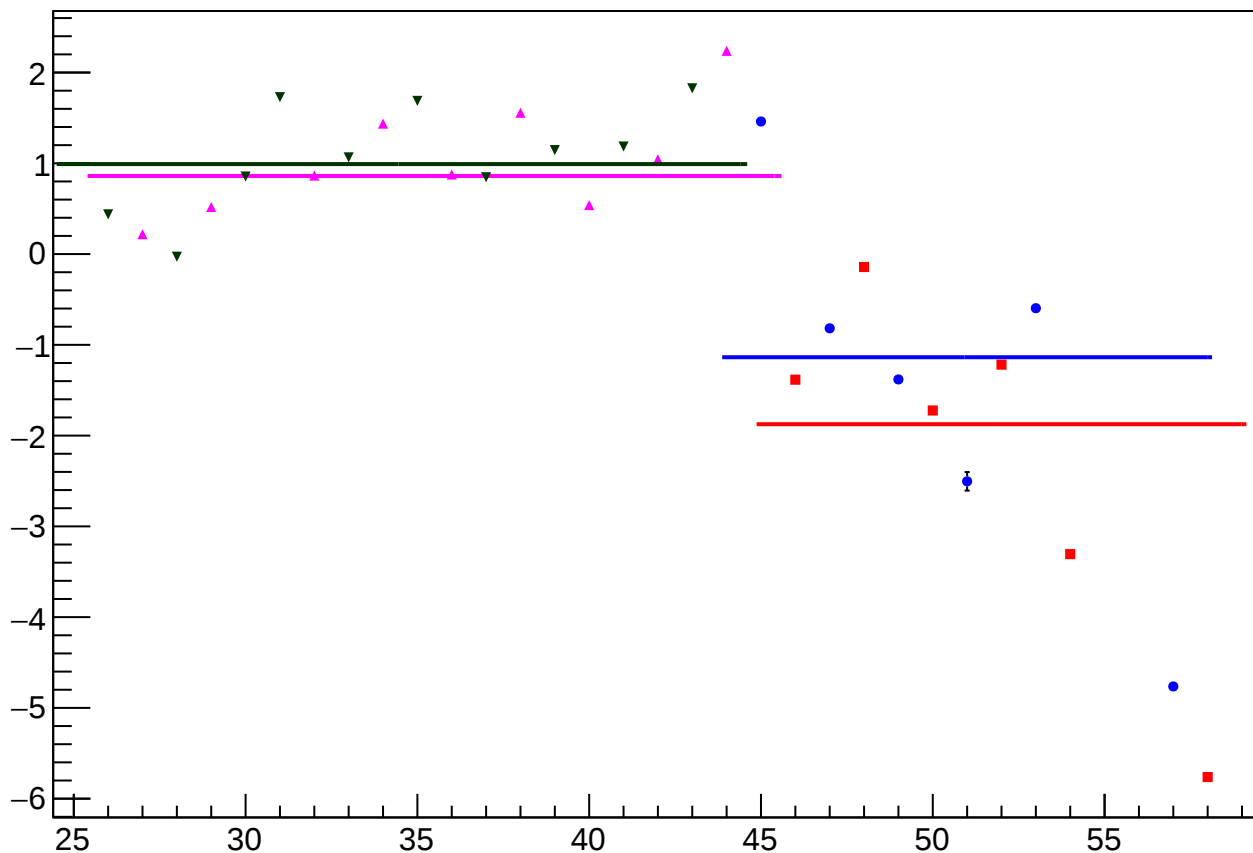
Right Out: 9.083+/-0.058 χ^2/NDF : 47294.2/5

Left In: -2.223+/-0.032 χ^2/NDF : 822.2/8

-0.262+/-0.030 χ^2/NDF : 25587.7/15

0.393+/-0.028 χ^2/NDF : 77647.1/14

reg_asym_bcm_an_us_diff_bpm4eX_slope vs slug



Right In: -1.137 ± 0.013 χ^2/NDF : 10325.2/5

Left Out: 0.991 ± 0.008 χ^2/NDF : 4720.4/9

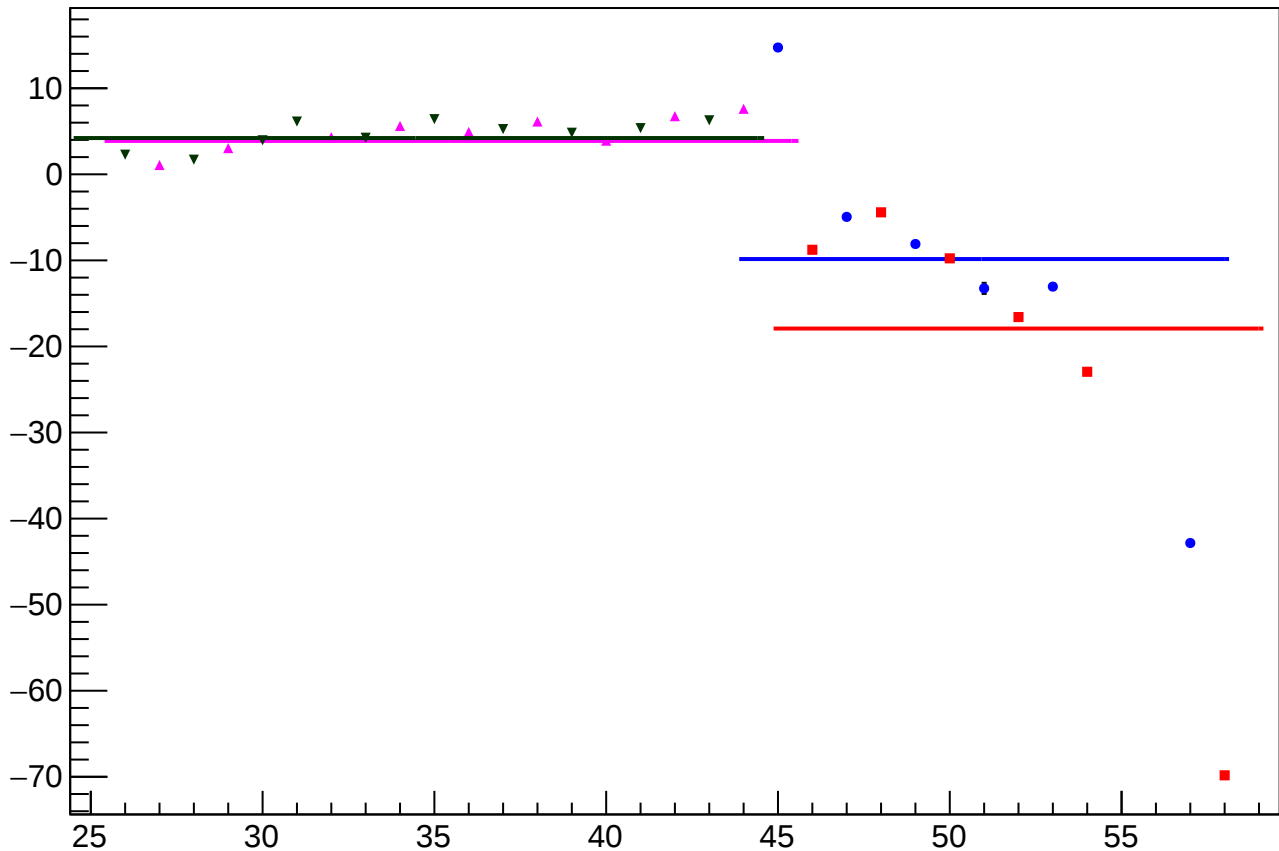
Right Out: -1.875 ± 0.013 χ^2/NDF : 14987.7/5

Left In: 0.861 ± 0.007 χ^2/NDF : 4134.4/8

0.439 ± 0.007 χ^2/NDF : 34399.6/15

0.211 ± 0.006 χ^2/NDF : 52902.5/14

reg_asym_bcm_an_us_diff_bpm4eY_slope vs slug



Right In: -9.845 ± 0.092 χ^2/NDF : 17680.5/5

Left Out: 4.214 ± 0.060 χ^2/NDF : 711.6/9

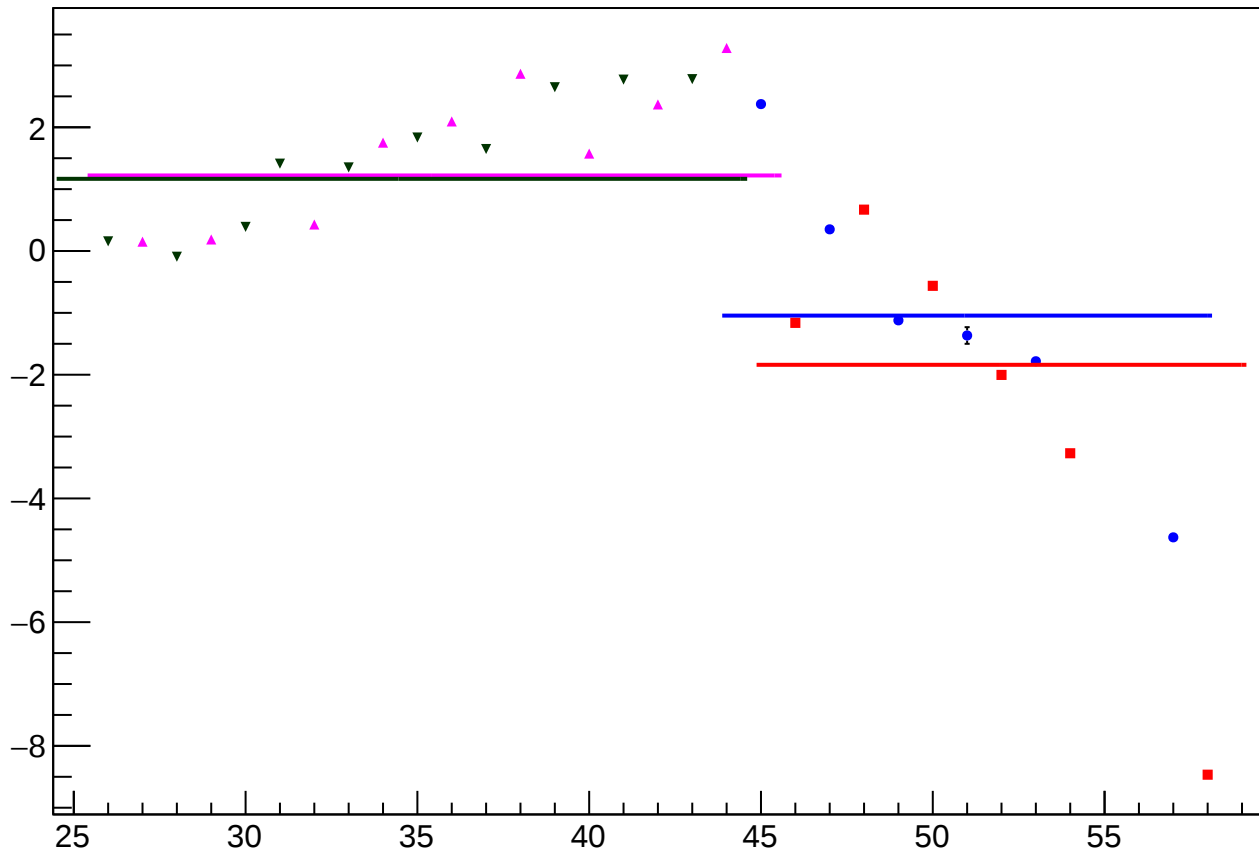
0.047 ± 0.050 χ^2/NDF : 34907.6/15

Right Out: -17.919 ± 0.092 χ^2/NDF : 40541.9/5

-1.420 ± 0.046 χ^2/NDF : 83943.3/14

Left In: 3.878 ± 0.052 χ^2/NDF : 1270.8/8

reg_asym_bcm_an_us_diff_bpm11X_slope vs slug



Right In: -1.044+/-0.017 χ^2/NDF : 7647.0/5

Left Out: 1.167+/-0.010 χ^2/NDF :8267.0/9

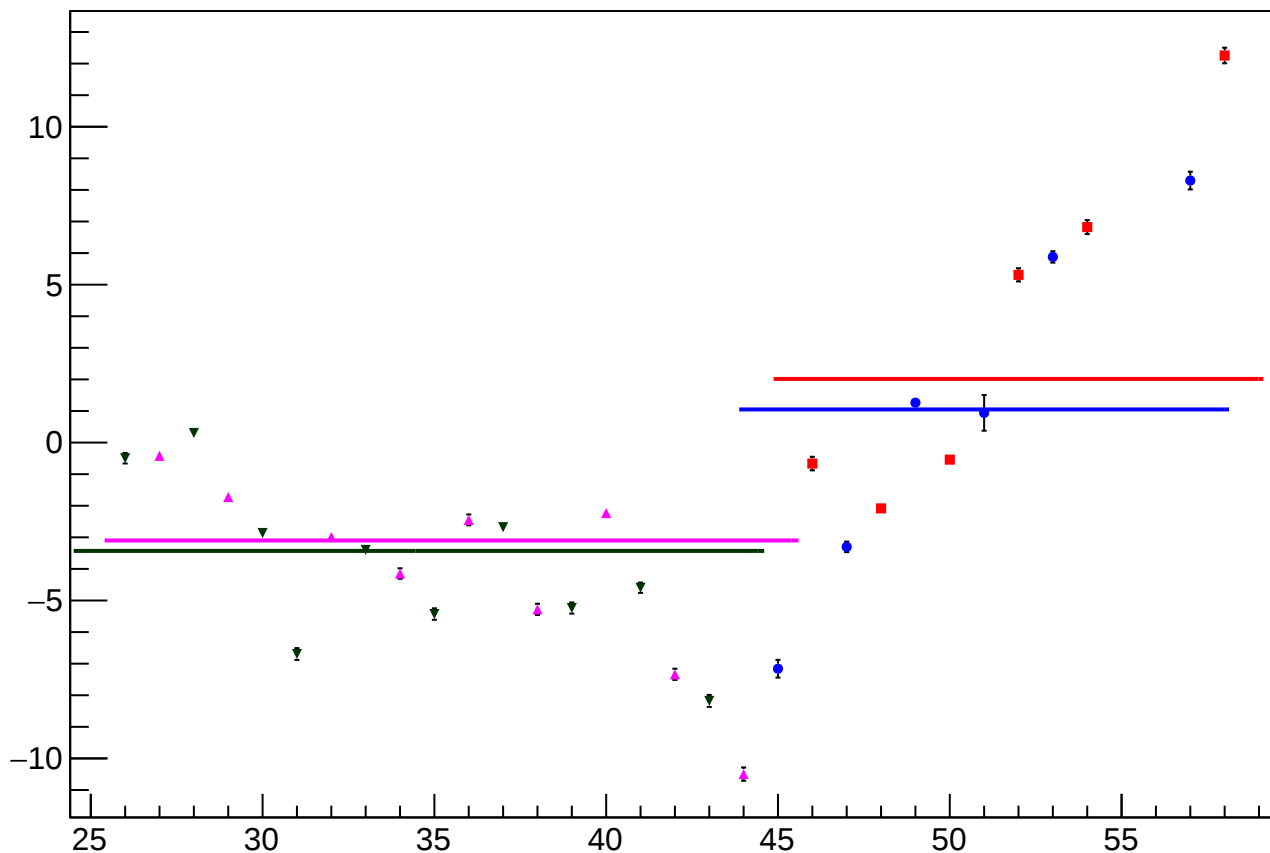
Right Out: -1.840+/-0.017 χ^2/NDF : 24356.7/5

Left In: 1.221+/-0.011 χ^2/NDF :8098.5/8

0.583+/-0.009 χ^2/NDF : 27716.2/15

0.338+/-0.009 χ^2/NDF : 55299.5/14

reg_asym_bcm_dg_ds_diff_bpm4aX_slope vs slug



Right In: 1.050+/-0.073 χ^2/NDF : 2916.1/5

Left Out: -3.430+/-0.049 χ^2/NDF : 2337.3/9

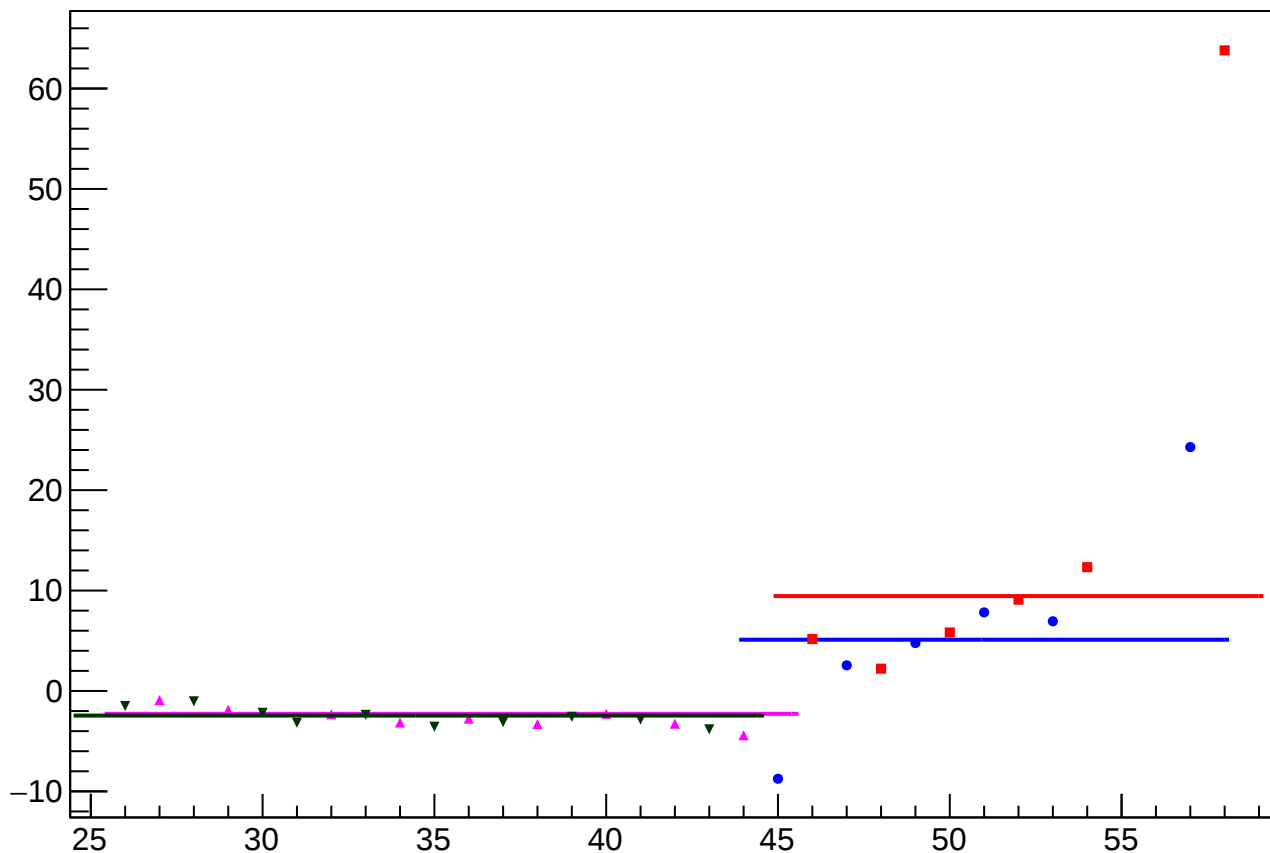
Right Out: 2.016+/-0.077 χ^2/NDF : 3554.8/5

Left In: -3.099+/-0.043 χ^2/NDF : 2714.1/8

-2.057+/-0.041 χ^2/NDF : 7843.4/15

-1.875+/-0.038 χ^2/NDF : 9605.1/14

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs slug



Right In: 5.105+/-0.058 χ^2/NDF : 12639.0/5

Left Out: -2.451+/-0.036 χ^2/NDF : 518.0/9

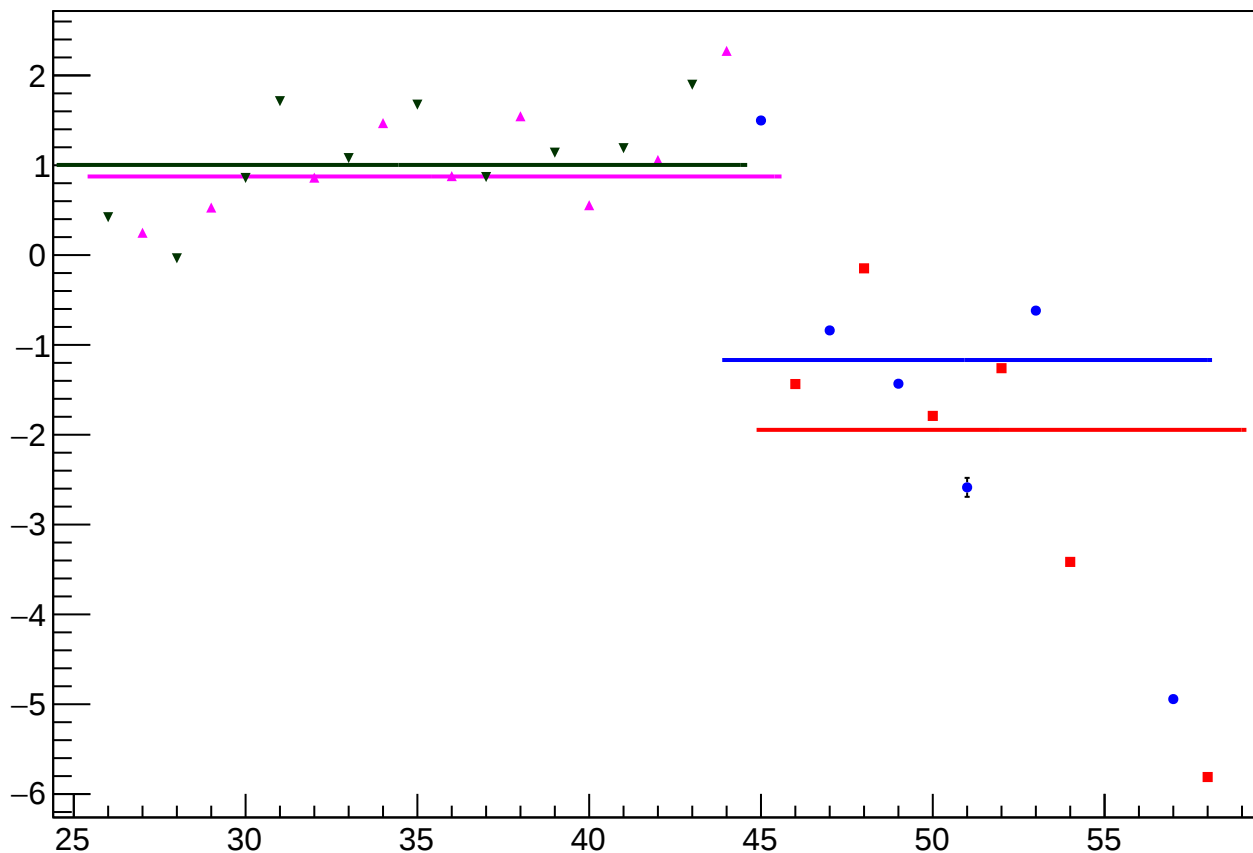
Right Out: 9.450+/-0.060 χ^2/NDF : 46457.9/5

Left In: -2.276+/-0.032 χ^2/NDF : 728.6/8

-0.292+/-0.031 χ^2/NDF : 25468.2/15

0.348+/-0.028 χ^2/NDF : 77183.6/14

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs slug



Right In: -1.168 ± 0.014 χ^2/NDF : 10363.3/5

Left Out: 1.003 ± 0.008 χ^2/NDF : 4667.5/9

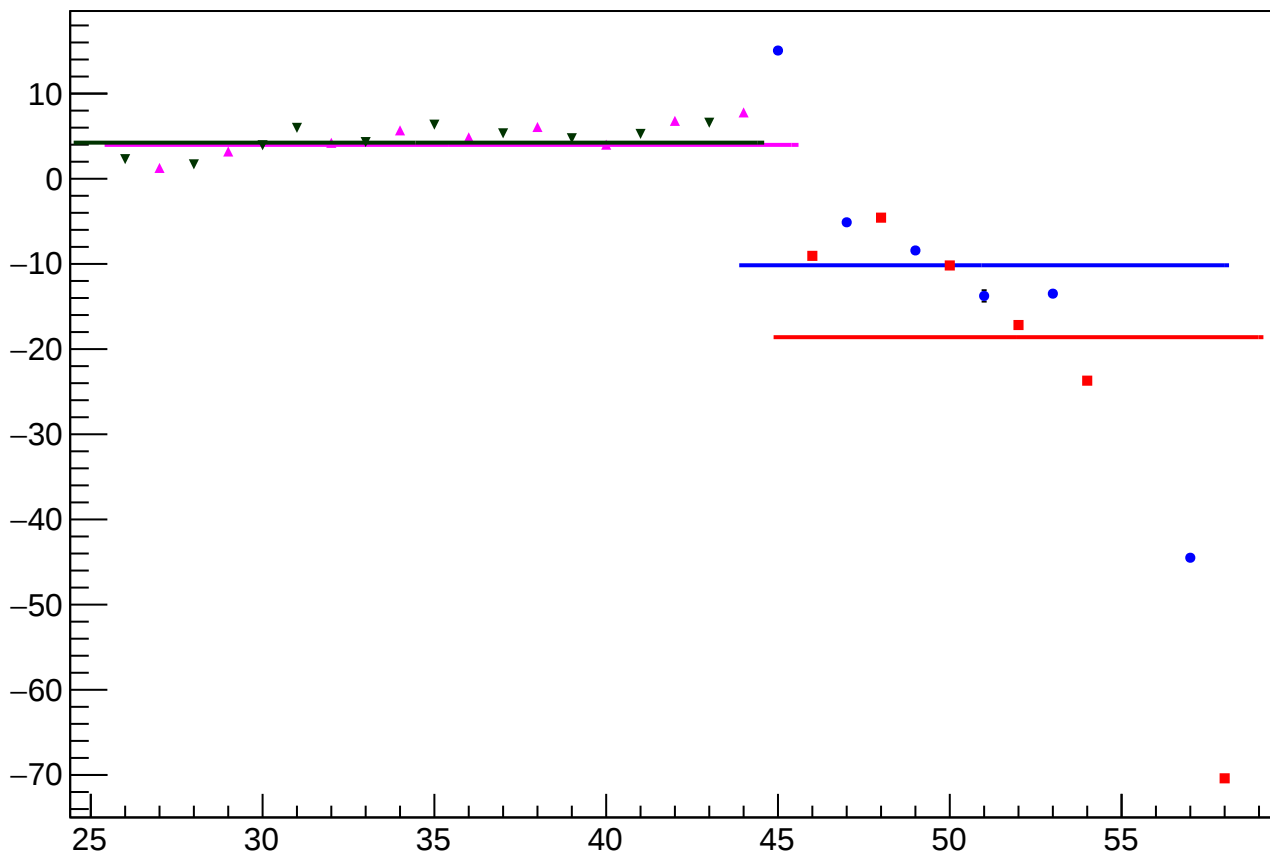
Right Out: -1.946 ± 0.013 χ^2/NDF : 14640.9/5

Left In: 0.875 ± 0.007 χ^2/NDF : 3999.7/8

0.458 ± 0.007 χ^2/NDF : 34063.1/15

0.228 ± 0.006 χ^2/NDF : 52641.4/14

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs slug



Right In: -10.158 ± 0.095 $\chi^2/\text{NDF}: 17720.8/5$

Left Out: 4.240 ± 0.060 $\chi^2/\text{NDF}: 692.9/9$

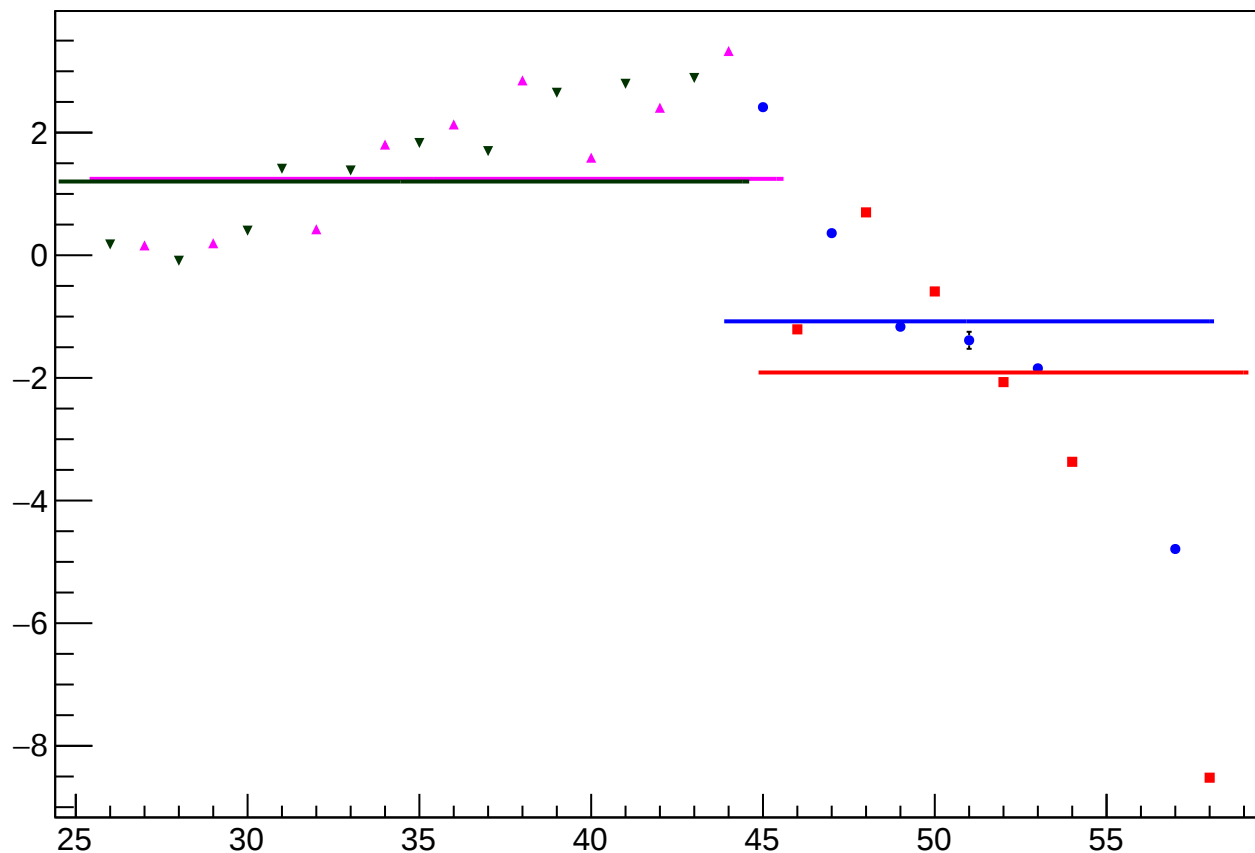
Right Out: -18.601 ± 0.095 $\chi^2/\text{NDF}: 39576.9/5$

Left In: 3.978 ± 0.053 $\chi^2/\text{NDF}: 1142.5/8$

0.107 ± 0.051 $\chi^2/\text{NDF}: 34791.8/15$

-1.350 ± 0.046 $\chi^2/\text{NDF}: 83496.7/14$

reg_asym_bcm_dg_ds_diff_bpm11X_slope vs slug



Right In: -1.078+/-0.018 χ^2/NDF : 7606.0/5

Left Out: 1.203+/-0.011 χ^2/NDF : 8206.3/9

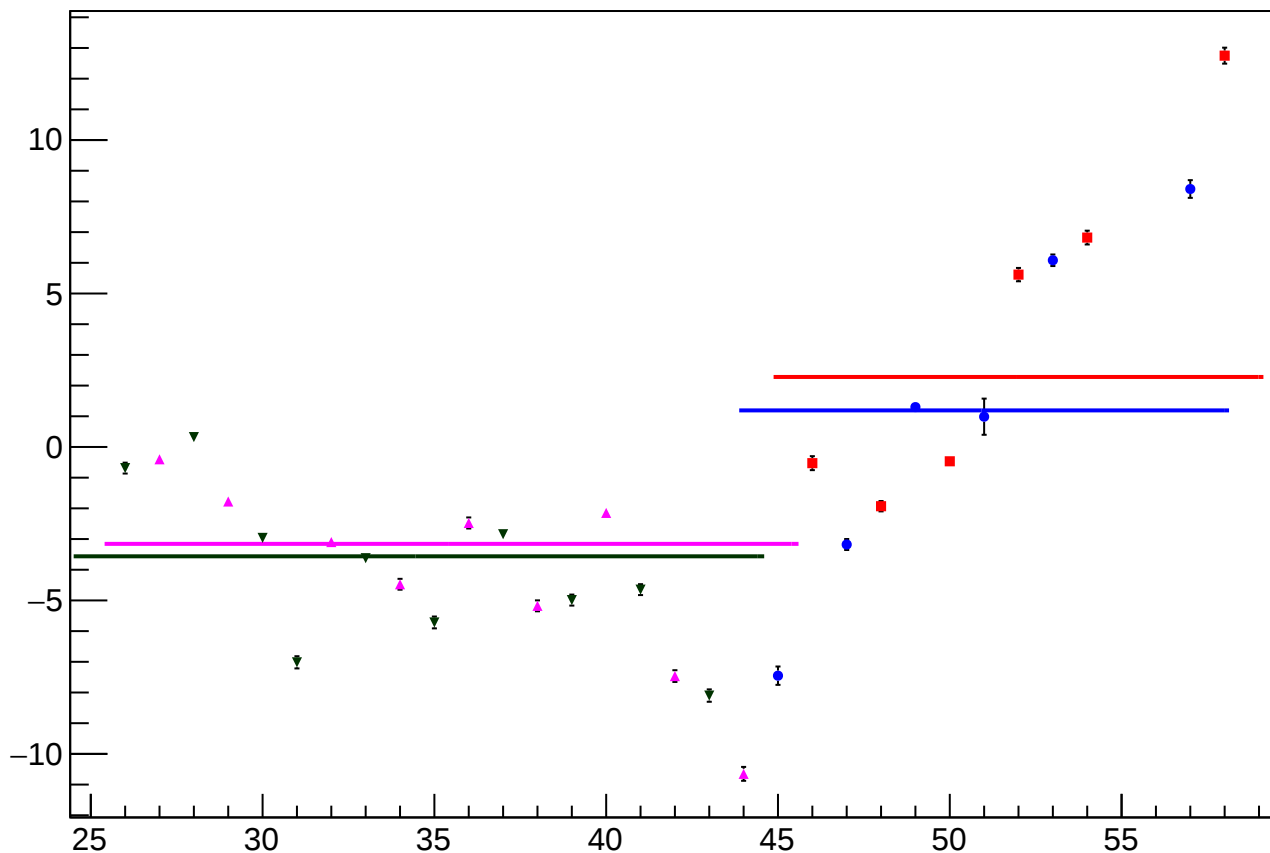
Right Out: -1.912+/-0.018 χ^2/NDF : 23857.6/5

Left In: 1.246+/-0.011 χ^2/NDF : 8115.6/8

0.618+/-0.009 χ^2/NDF : 27647.6/15

0.361+/-0.009 χ^2/NDF : 55044.5/14

reg_asym_bcm_dg_us_diff_bpm4aX_slope vs slug



Right In: 1.191 ± 0.077 χ^2/NDF : 2733.0/5

Left Out: -3.563 ± 0.052 χ^2/NDF : 2041.0/9

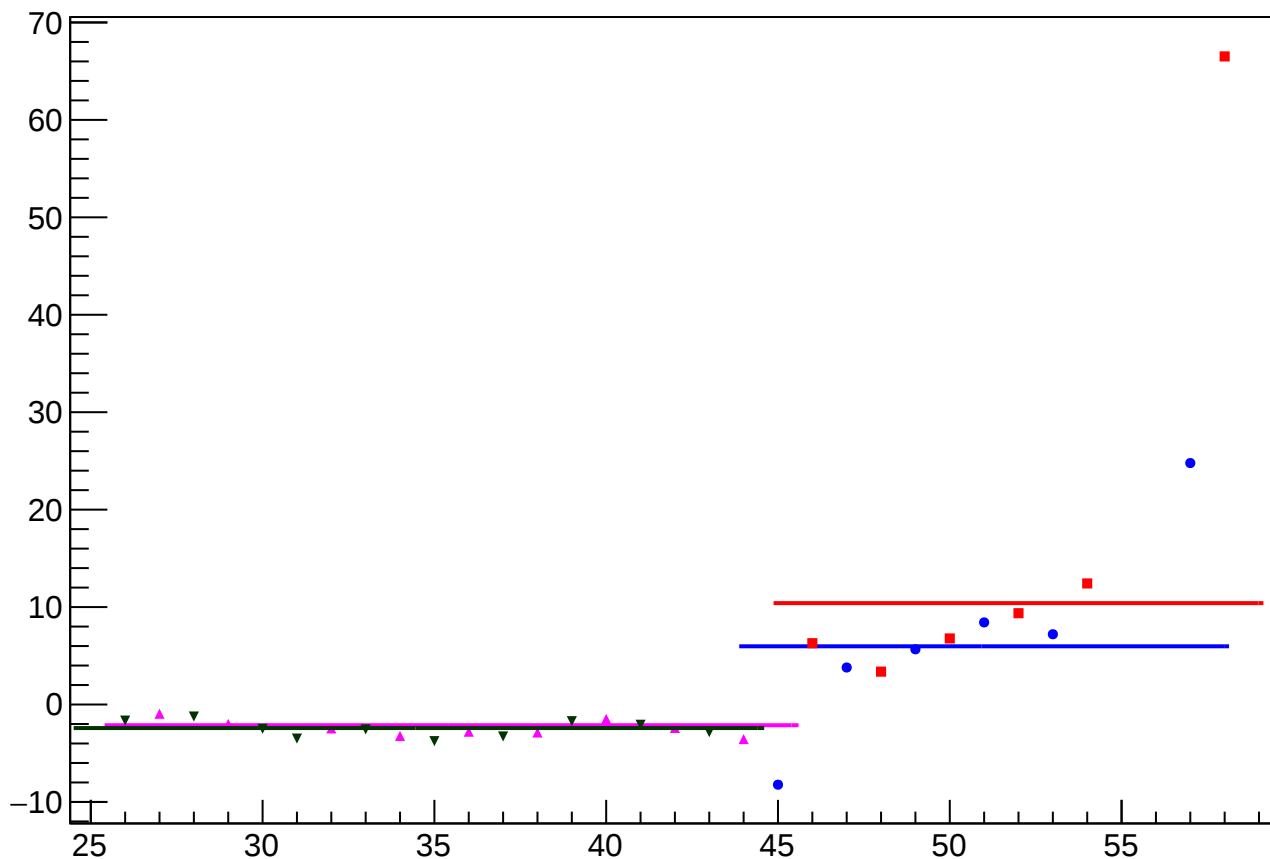
Right Out: 2.281 ± 0.081 χ^2/NDF : 3347.0/5

Left In: -3.157 ± 0.046 χ^2/NDF : 2492.0/8

-2.078 ± 0.043 χ^2/NDF : 7385.4/15

-1.838 ± 0.040 χ^2/NDF : 9222.8/14

reg_asym_bcm_dg_us_diff_bpm4aY_slope vs slug



Right In: 5.975+/-0.061 χ^2/NDF : 11411.9/5

Left Out: -2.416+/-0.039 χ^2/NDF : 409.5/9

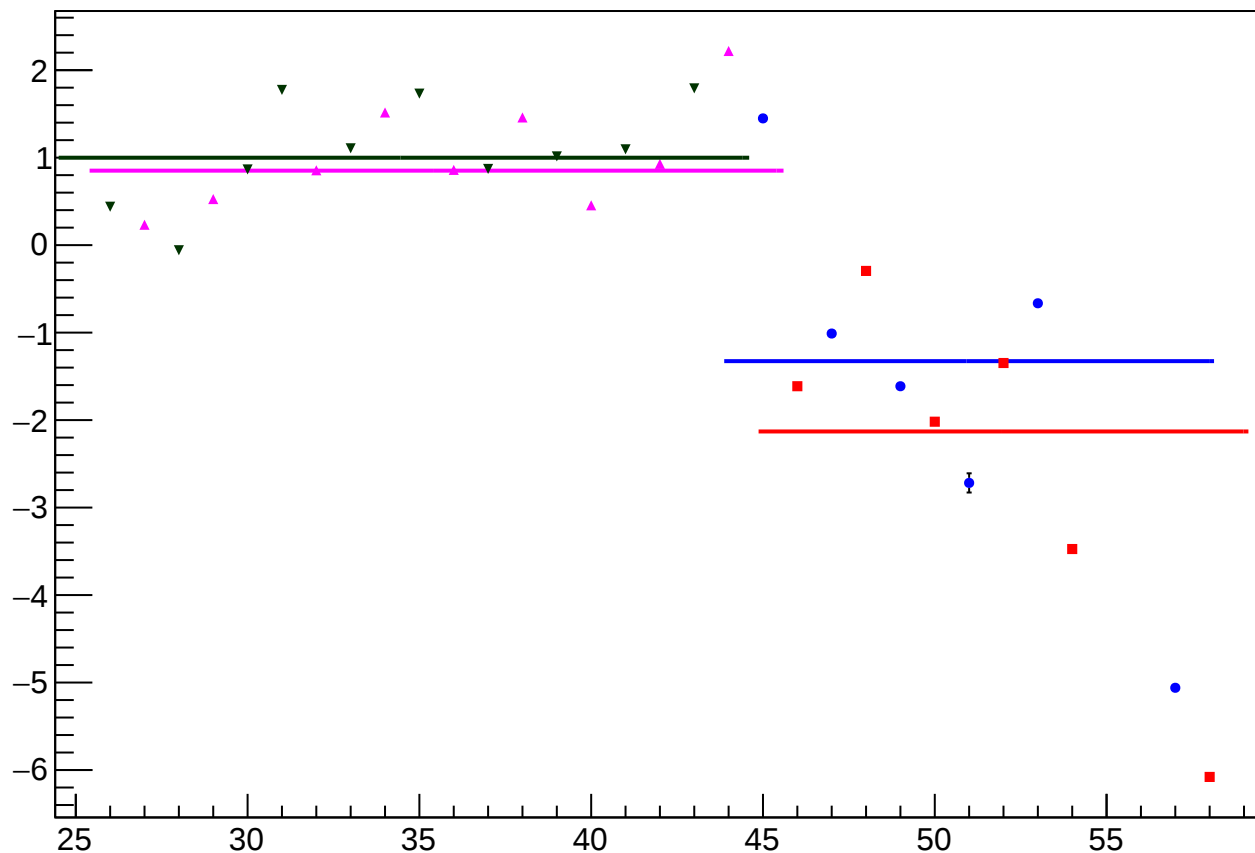
Right Out: 10.406+/-0.063 χ^2/NDF : 44169.0/5

Left In: -2.126+/-0.034 χ^2/NDF : 510.2/8

0.029+/-0.033 χ^2/NDF : 25431.1/15

0.702+/-0.030 χ^2/NDF : 75532.5/14

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs slug



Right In: -1.326+/-0.014 χ^2/NDF : 9858.1/5

Left Out: 0.999+/-0.008 χ^2/NDF : 4096.0/9

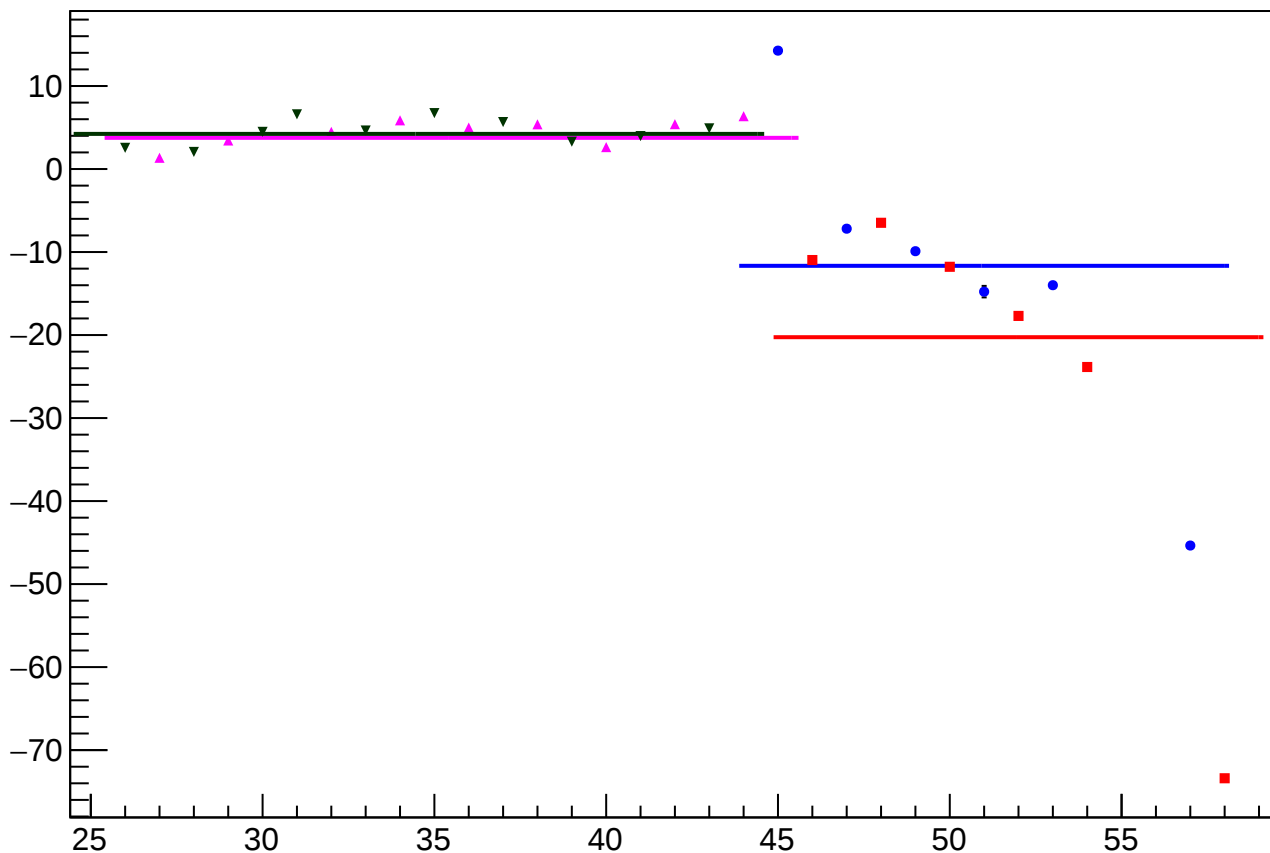
Right Out: -2.130+/-0.014 χ^2/NDF : 13623.7/5

Left In: 0.851+/-0.008 χ^2/NDF : 3579.4/8

0.404+/-0.007 χ^2/NDF : 33509.2/15

0.159+/-0.007 χ^2/NDF : 51414.2/14

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs slug



Right In: -11.661 ± 0.100 $\chi^2/\text{NDF}: 16096.0/5$

Left Out: 4.232 ± 0.064 $\chi^2/\text{NDF}: 531.4/9$

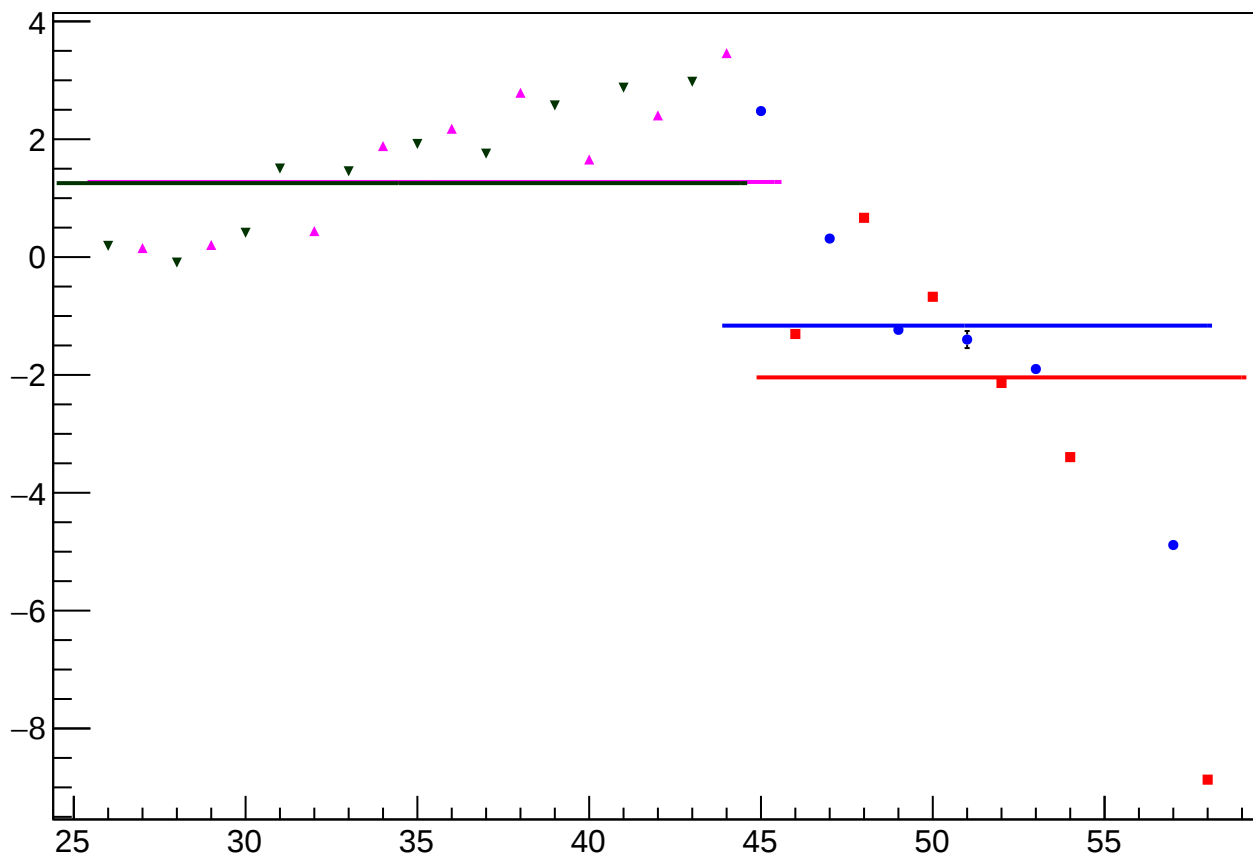
Right Out: -20.259 ± 0.100 $\chi^2/\text{NDF}: 36924.5/5$

Left In: 3.757 ± 0.056 $\chi^2/\text{NDF}: 807.8/8$

-0.427 ± 0.054 $\chi^2/\text{NDF}: 34524.6/15$

-1.952 ± 0.049 $\chi^2/\text{NDF}: 81353.9/14$

reg_asym_bcm_dg_us_diff_bpm11X_slope vs slug



Right In: -1.163 ± 0.019 χ^2/NDF : 7198.8/5

Left Out: 1.255 ± 0.011 χ^2/NDF : 7468.2/9

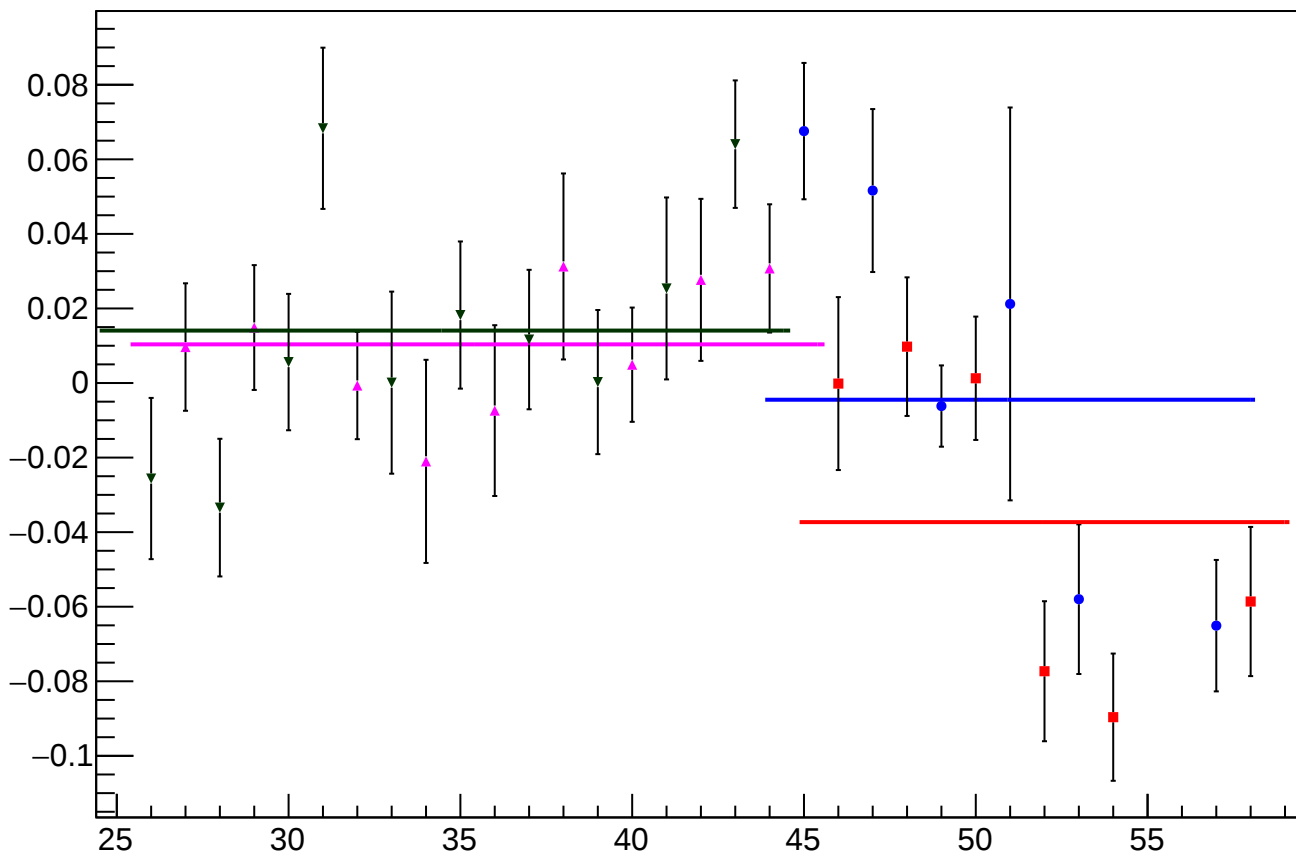
Right Out: -2.042 ± 0.019 χ^2/NDF : 22891.2/5

Left In: 1.275 ± 0.012 χ^2/NDF : 7555.8/8

0.621 ± 0.010 χ^2/NDF : 26604.7/15

0.333 ± 0.010 χ^2/NDF : 53281.9/14

reg_bcm_an_us_ds3_dd_diff_bpm4aX_slope vs slug



Right In: -0.004 ± 0.007 $\chi^2/\text{NDF}: 41.3/5$

Left Out: 0.014 ± 0.006 $\chi^2/\text{NDF}: 26.2/9$

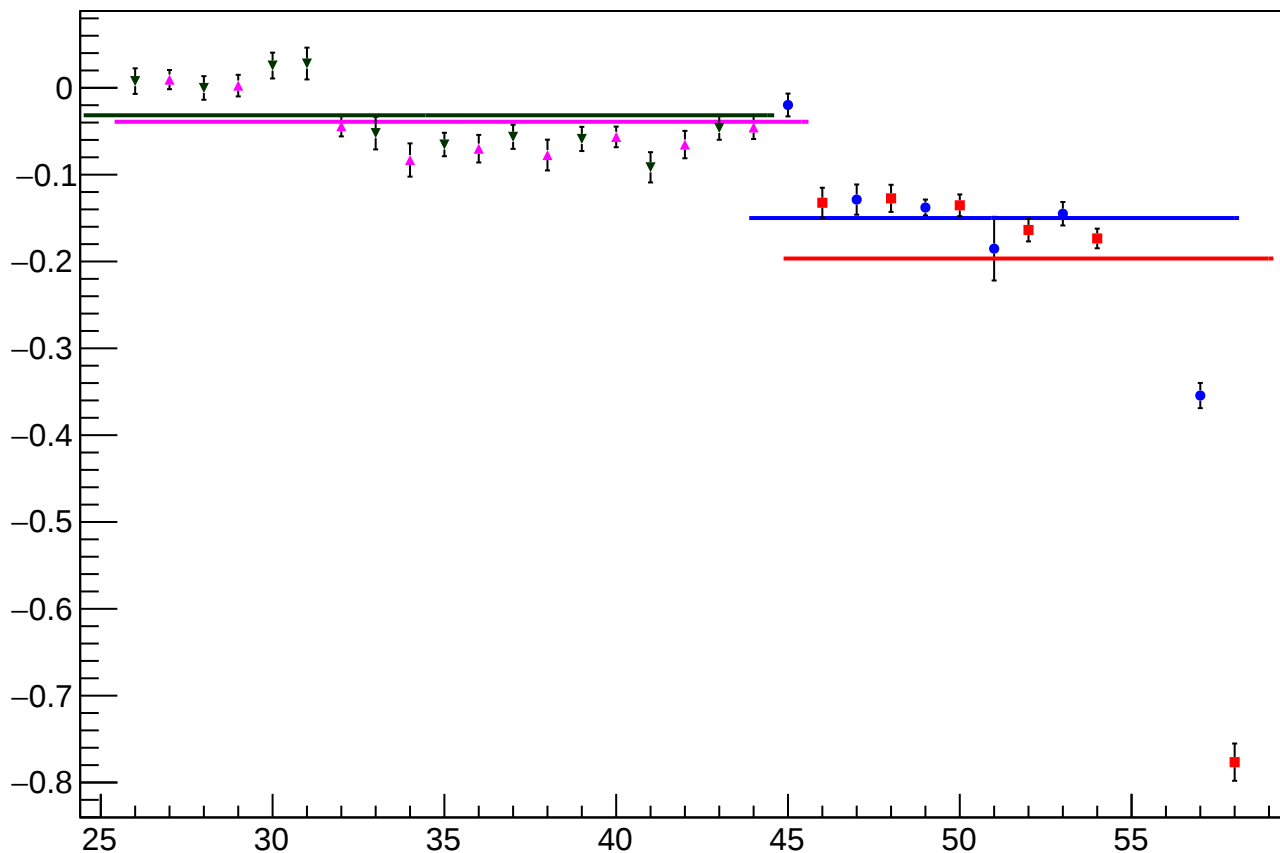
Right Out: -0.037 ± 0.008 $\chi^2/\text{NDF}: 29.5/5$

Left In: 0.010 ± 0.006 $\chi^2/\text{NDF}: 5.5/8$

0.006 ± 0.005 $\chi^2/\text{NDF}: 71.2/15$

-0.008 ± 0.005 $\chi^2/\text{NDF}: 58.6/14$

reg_bcm_an_us_ds3_dd_diff_bpm4aY_slope vs slug



Right In: -0.150 ± 0.006 χ^2/NDF : 300.9/5

Left Out: -0.032 ± 0.005 χ^2/NDF : 65.2/9

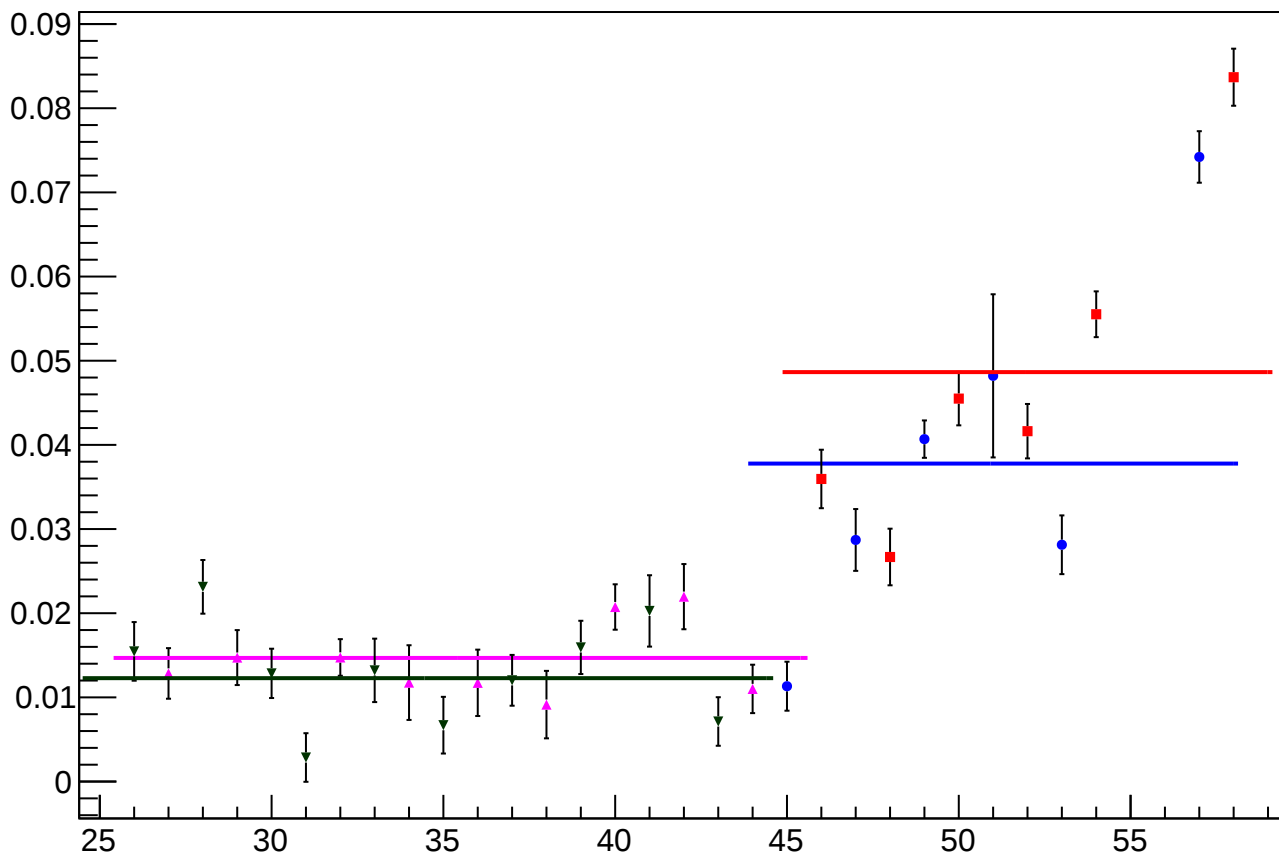
Right Out: -0.197 ± 0.006 χ^2/NDF : 798.2/5

Left In: -0.039 ± 0.005 χ^2/NDF : 49.7/8

-0.081 ± 0.004 χ^2/NDF : 627.5/15

-0.099 ± 0.004 χ^2/NDF : 1303.6/14

reg_bcm_an_us_ds3_dd_diff_bpm4eX_slope vs slug



Right In: 0.038 $\pm$ 0.001 χ^2 /NDF: 240.9/5

Left Out: 0.012 $\pm$ 0.001 χ^2 /NDF: 34.0/9

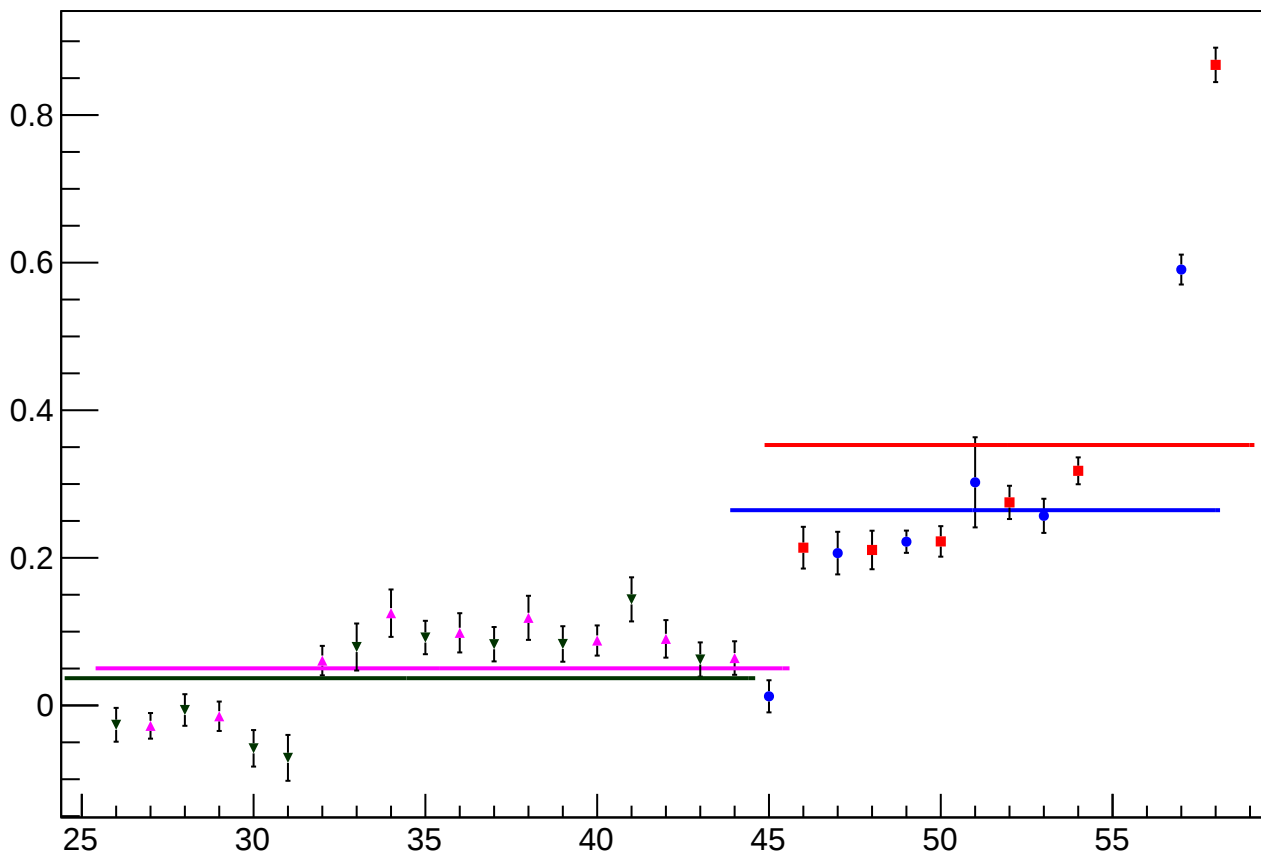
Right Out: 0.049 $\pm$ 0.001 χ^2 /NDF: 174.9/5

Left In: 0.015 $\pm$ 0.001 χ^2 /NDF: 13.5/8

0.022 $\pm$ 0.001 χ^2 /NDF: 513.7/15

0.028 $\pm$ 0.001 χ^2 /NDF: 601.8/14

reg_bcm_an_us_ds3_dd_diff_bpm4eY_slope vs slug



Right In: 0.265+/-0.009 χ^2/NDF : 405.9/5

Left Out: 0.037+/-0.008 χ^2/NDF : 67.8/9

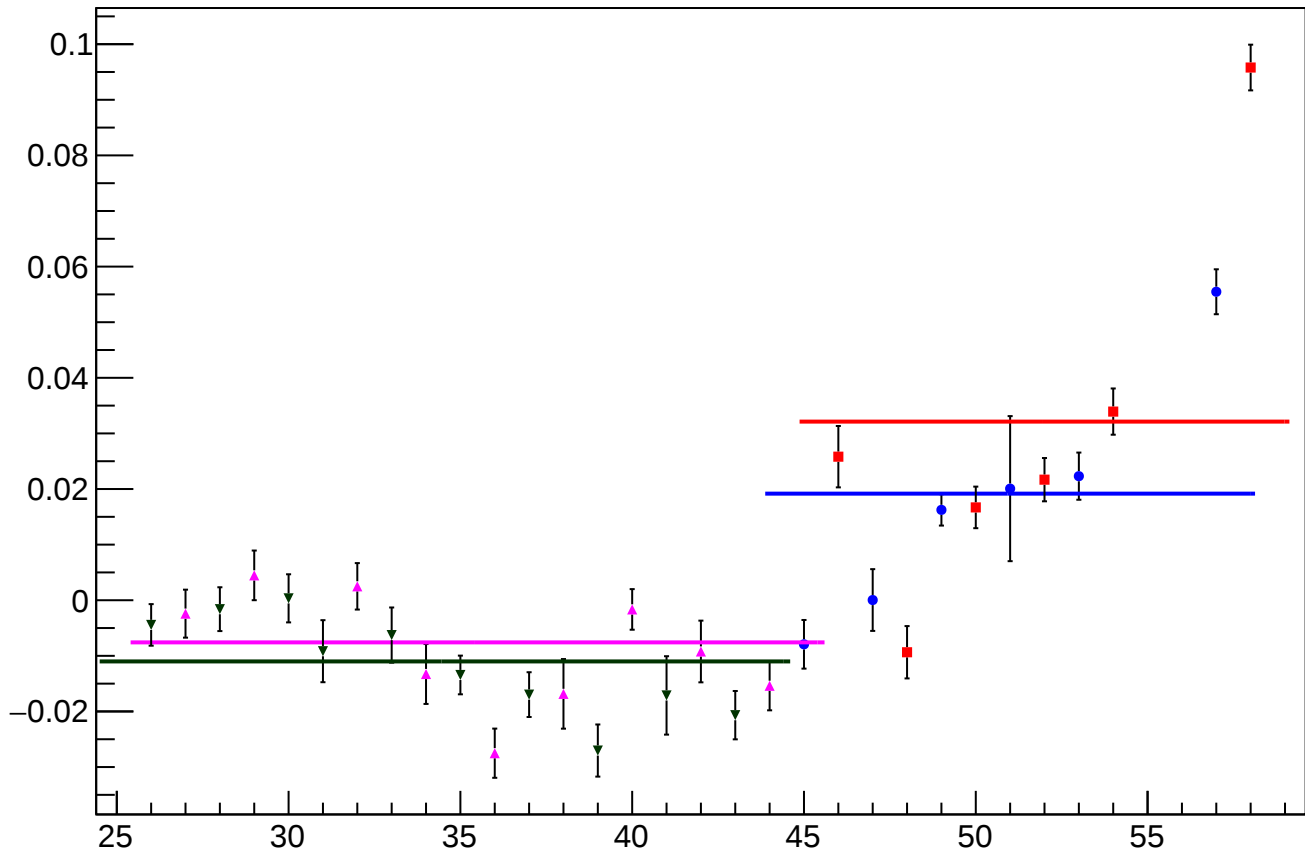
0.135+/-0.006 χ^2/NDF : 836.2/15

Right Out: 0.353+/-0.009 χ^2/NDF : 597.1/5

0.172+/-0.006 χ^2/NDF : 1299.5/14

Left In: 0.050+/-0.008 χ^2/NDF : 51.2/8

reg_bcm_an_us_ds3_dd_diff_bpm11X_slope vs slug



Right In: 0.019 $\pm$ 0.002 χ^2 /NDF: 132.6/5

Left Out: -0.011 $\pm$ 0.001 χ^2 /NDF: 36.7/9

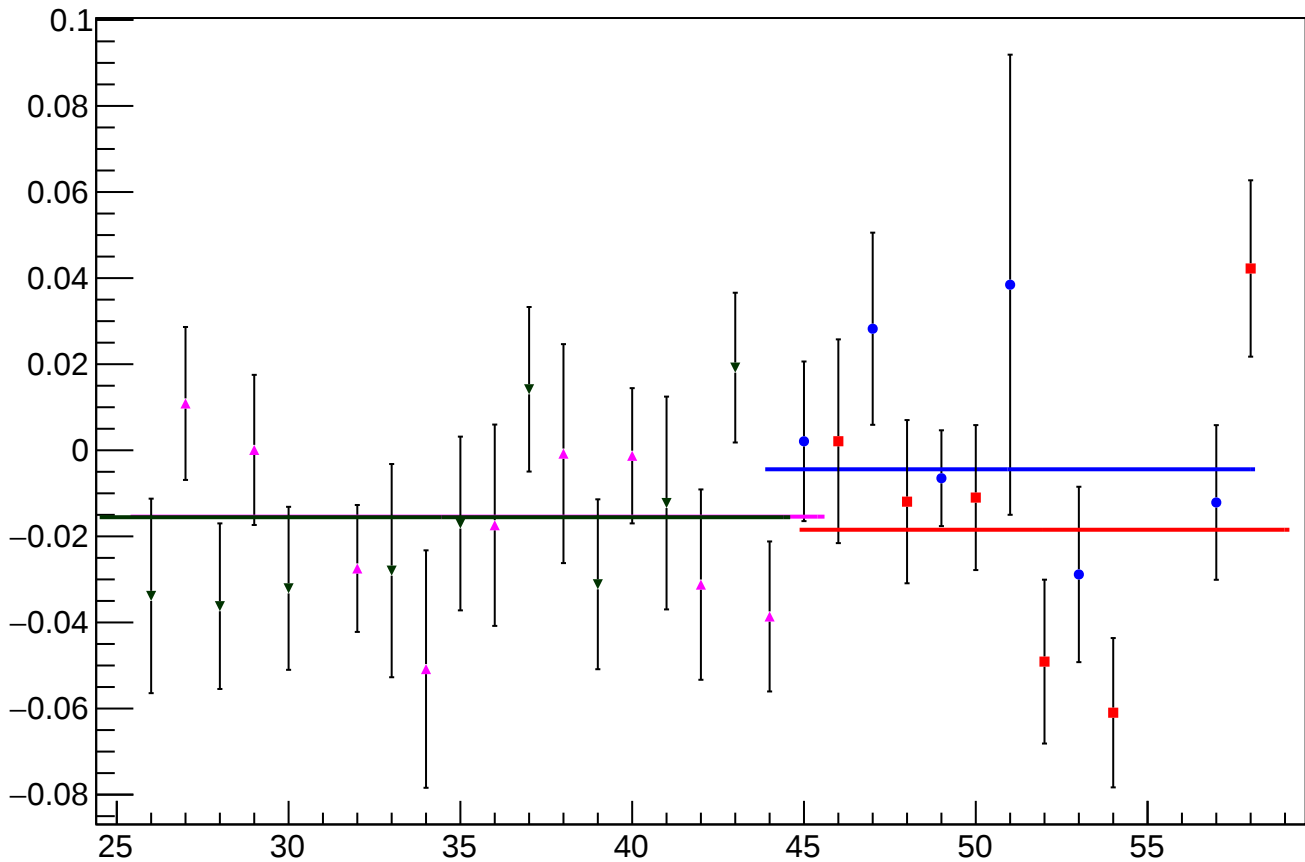
Right Out: 0.032 $\pm$ 0.002 χ^2 /NDF: 343.4/5

Left In: -0.008 $\pm$ 0.002 χ^2 /NDF: 44.0/8

0.001 $\pm$ 0.001 χ^2 /NDF: 354.9/15

0.010 $\pm$ 0.001 χ^2 /NDF: 683.4/14

reg_bcm_an_us_ds_dd_diff_bpm4aX_slope vs slug



Right In: -0.004±/0.007 χ^2/NDF : 4.6/5

Left Out: -0.016±/0.007 χ^2/NDF : 9.9/8

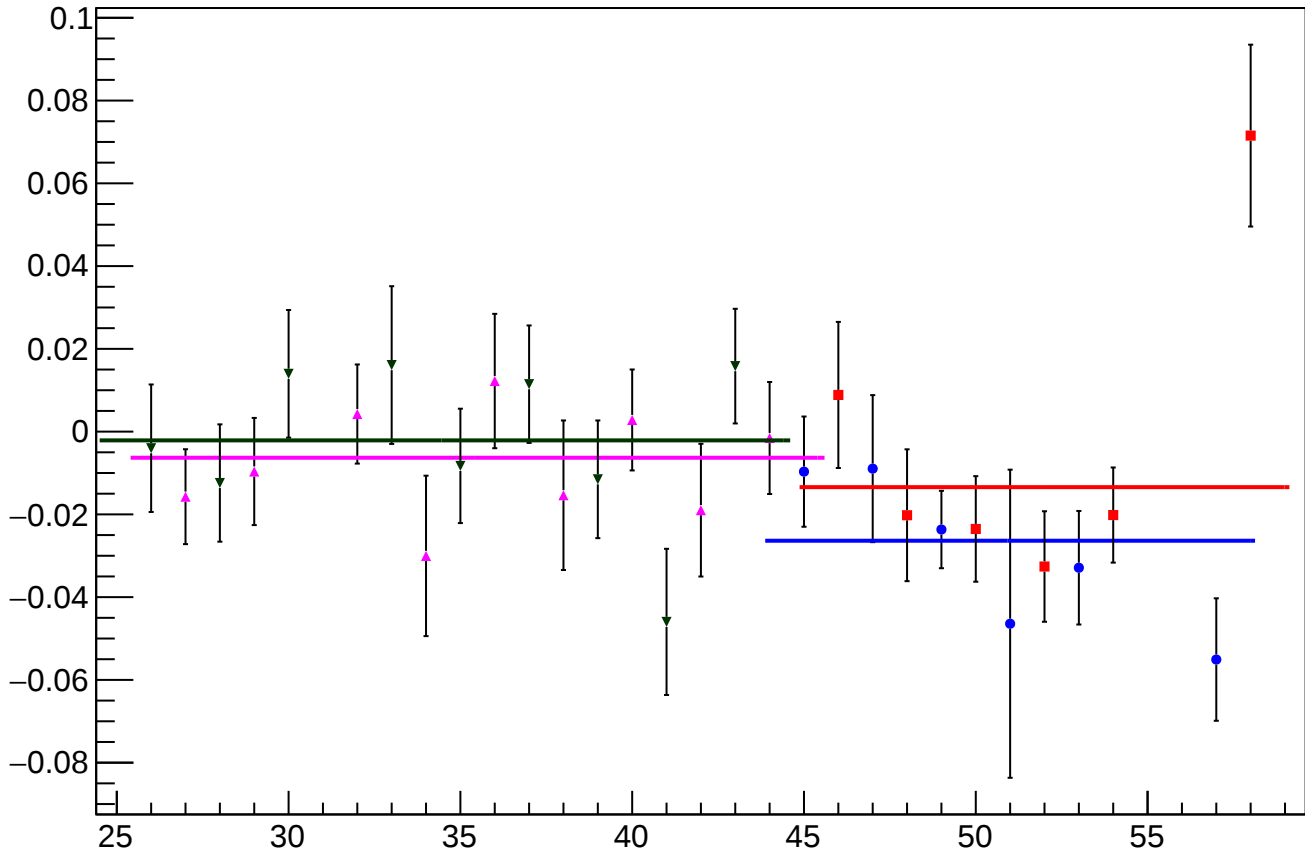
Right Out: -0.018±/0.008 χ^2/NDF : 18.4/5

Left In: -0.015±/0.006 χ^2/NDF : 8.7/8

-0.010±/0.005 χ^2/NDF : 15.7/14

-0.017±/0.005 χ^2/NDF : 27.3/14

reg_bcm_an_us_ds_dd_diff_bpm4aY_slope vs slug



Right In: -0.026+/-0.006 χ^2 /NDF: 6.9/5

Left Out: -0.002+/-0.005 χ^2 /NDF:11.9/8

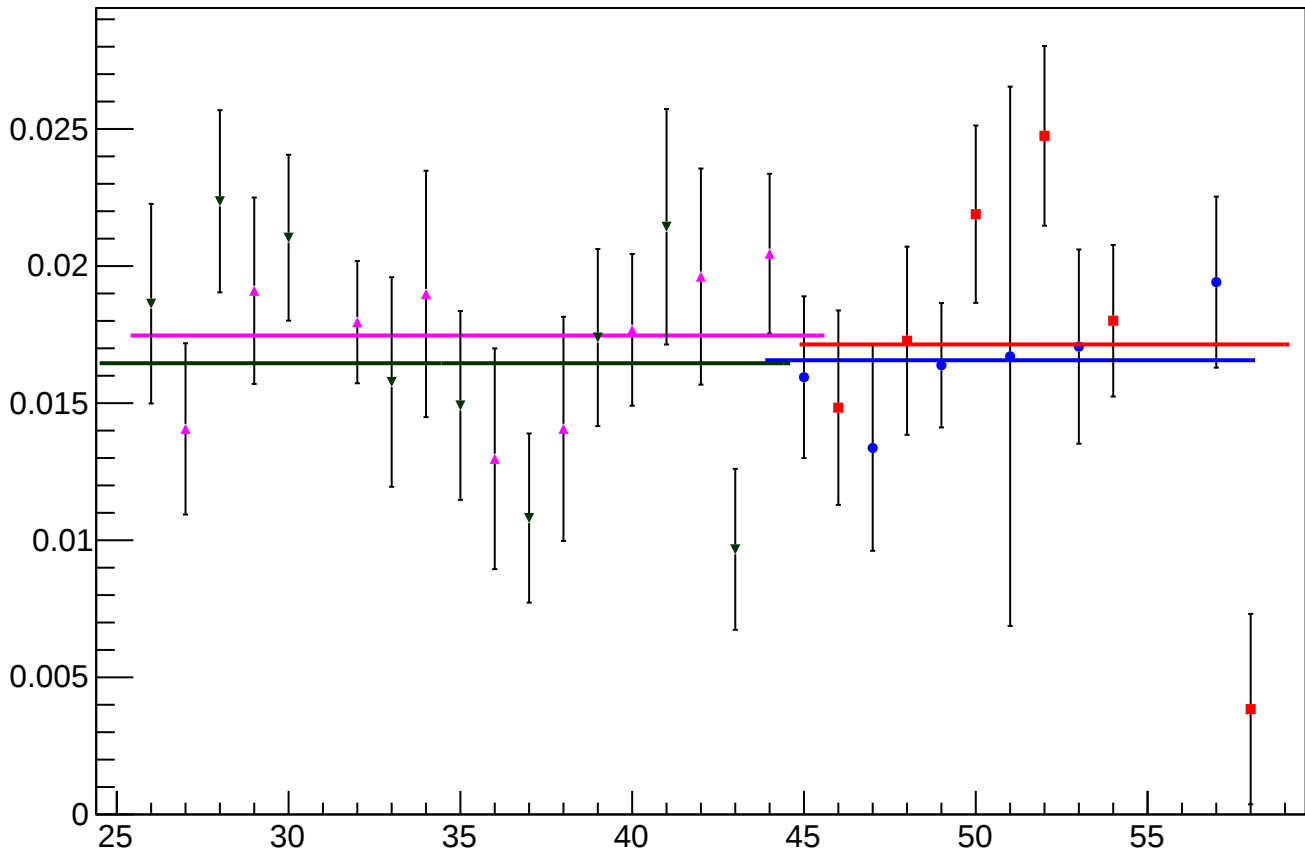
Right Out: -0.013+/-0.006 χ^2 /NDF: 19.8/5

Left In: -0.006+/-0.005 χ^2 /NDF:5.9/8

-0.013+/-0.004 χ^2 /NDF: 29.0/14

-0.009+/-0.004 χ^2 /NDF: 26.5/14

reg_bcm_an_us_ds_dd_diff_bpm4eX_slope vs slug



Right In: 0.017 $\pm$ 0.001 χ^2 /NDF: 1.6/5

Left Out: 0.016 $\pm$ 0.001 χ^2 /NDF:16.2/8

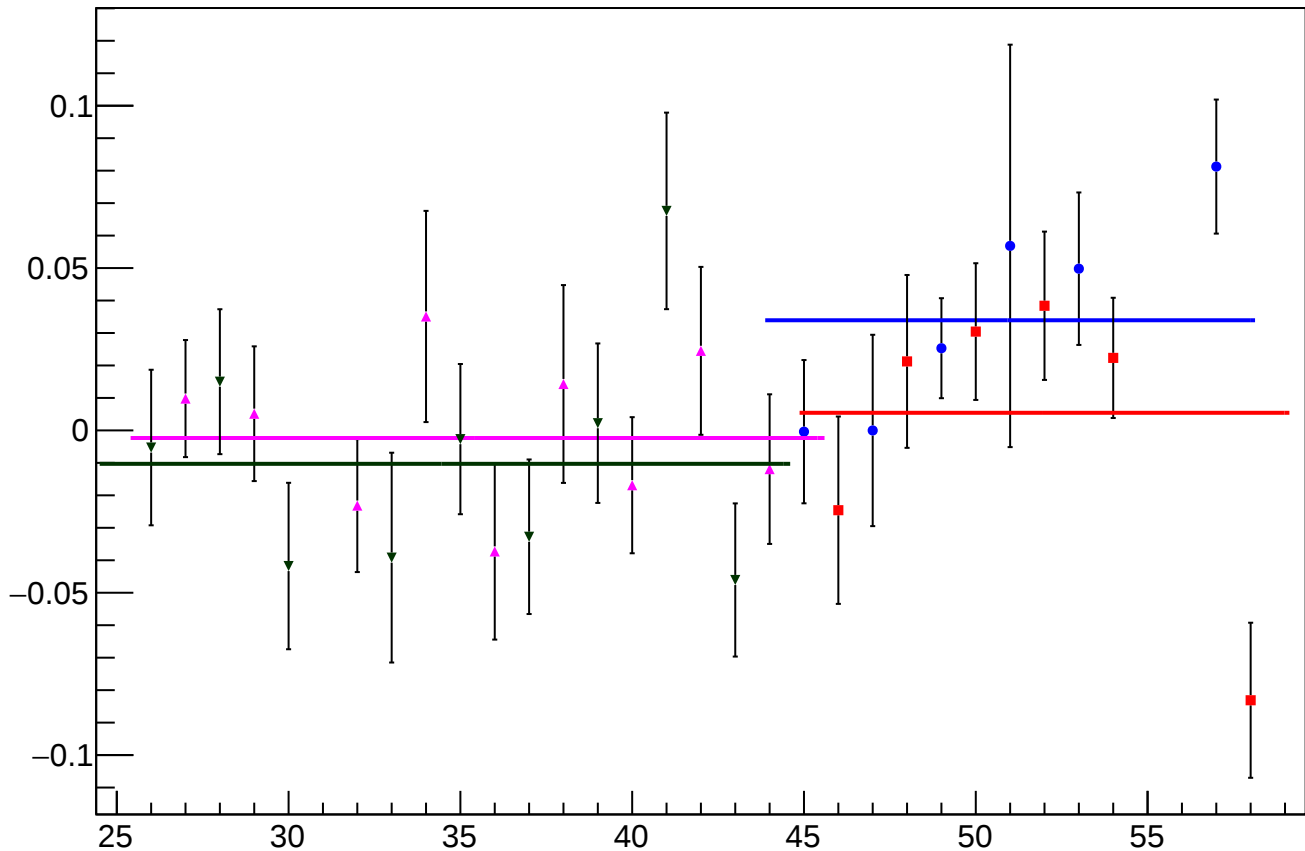
Right Out: 0.017 $\pm$ 0.001 χ^2 /NDF: 22.7/5

Left In: 0.017 $\pm$ 0.001 χ^2 /NDF:4.9/8

0.017 $\pm$ 0.001 χ^2 /NDF: 17.8/14

0.017 $\pm$ 0.001 χ^2 /NDF: 27.7/14

reg_bcm_an_us_ds_dd_diff_bpm4eY_slope vs slug



Right In: 0.034 ± 0.009 χ^2/NDF : 9.9/5

Left Out: -0.010 ± 0.008 χ^2/NDF : 13.8/8

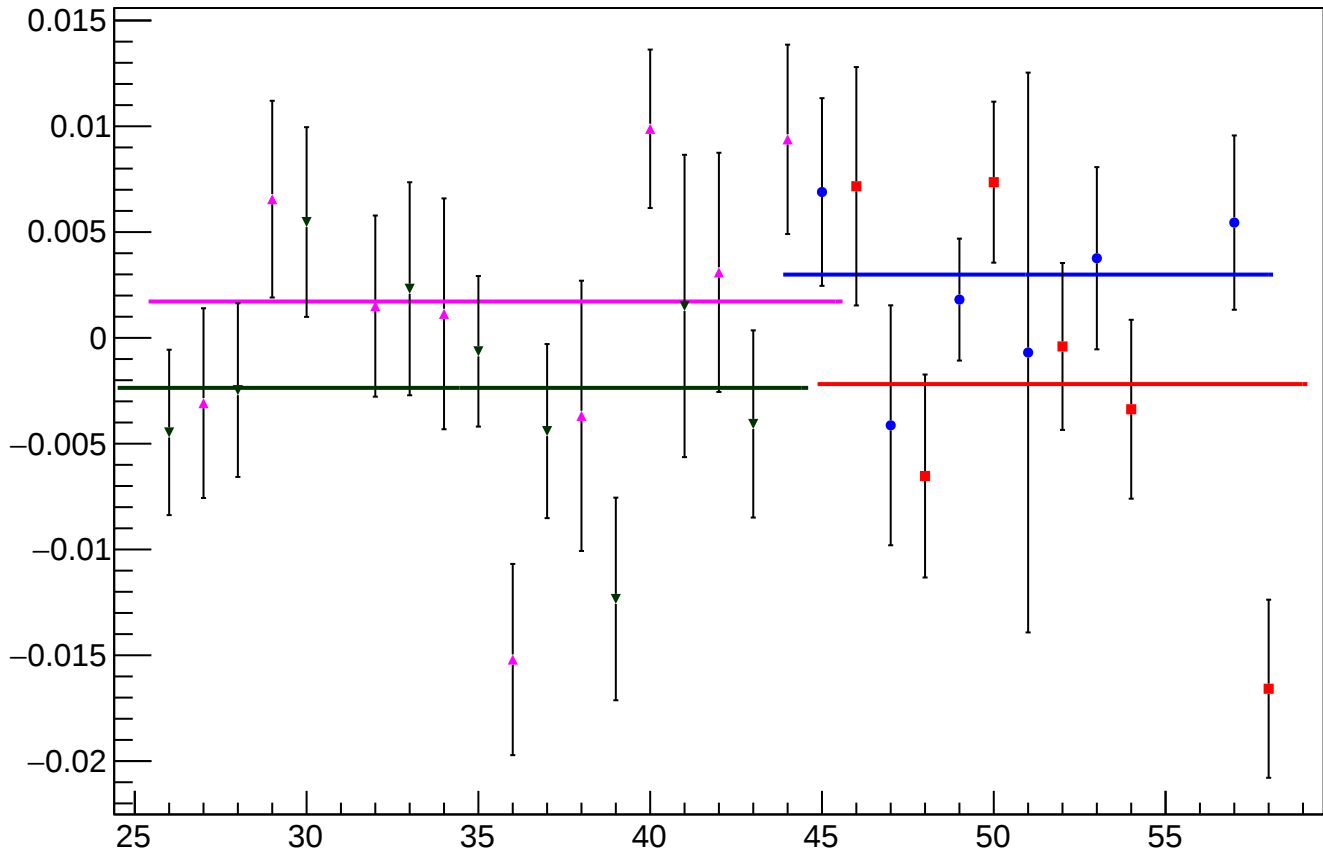
Right Out: 0.005 ± 0.009 χ^2/NDF : 19.5/5

Left In: -0.002 ± 0.008 χ^2/NDF : 6.6/8

0.010 ± 0.006 χ^2/NDF : 36.4/14

0.001 ± 0.006 χ^2/NDF : 26.5/14

reg_bcm_an_us_ds_dd_diff_bpm11X_slope vs slug



Right In: 0.003+/-0.002 χ^2/NDF : 3.0/5

Left Out: -0.002+/-0.001 χ^2/NDF : 9.5/8

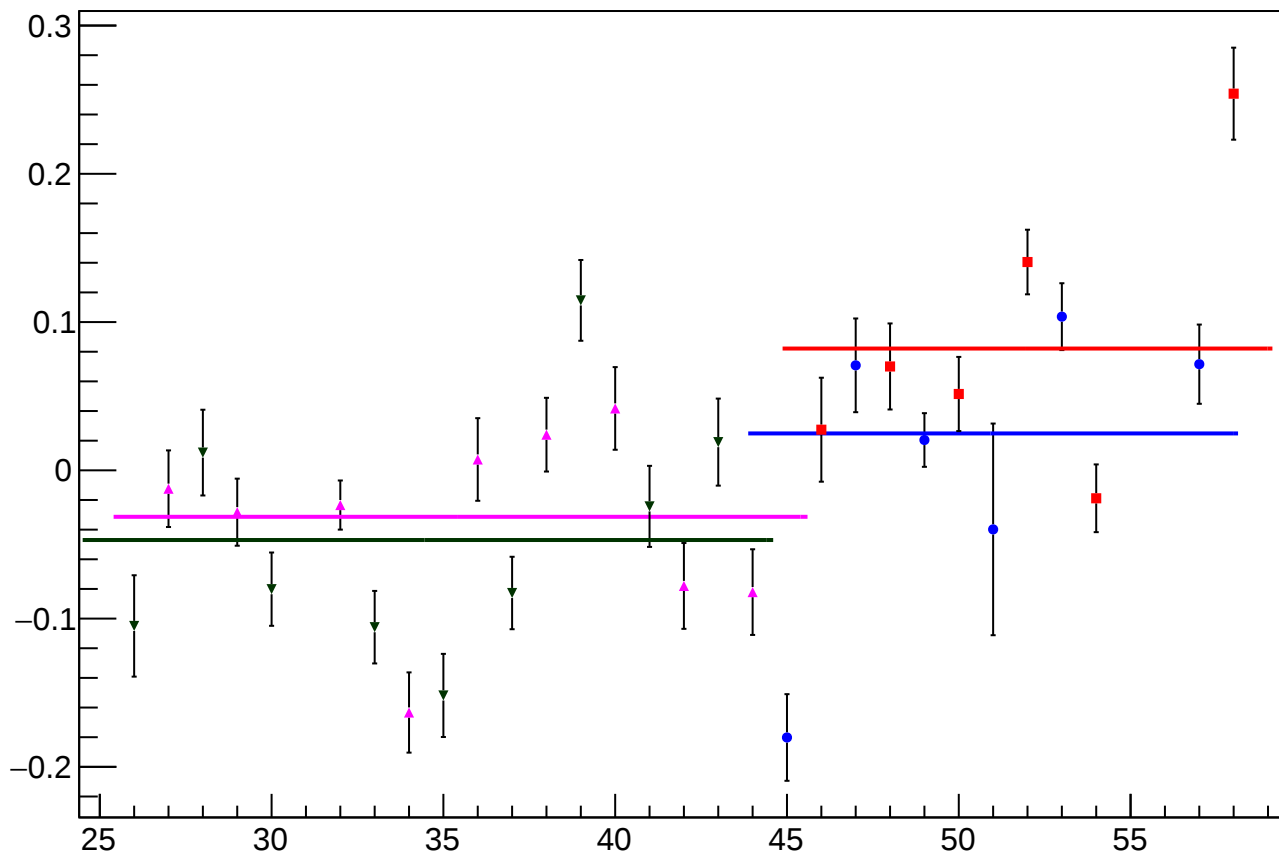
Right Out: -0.002+/-0.002 χ^2/NDF : 21.9/5

Left In: 0.002+/-0.002 χ^2/NDF : 24.7/8

-0.000+/-0.001 χ^2/NDF : 17.9/14

0.000+/-0.001 χ^2/NDF : 49.3/14

reg_bcm_dg_us_dg_ds_dd_diff_bpm4aX_slope vs slug



Right In: 0.025 ± 0.011 $\chi^2/\text{NDF}: 67.5/5$

Left Out: -0.047 ± 0.009 $\chi^2/\text{NDF}: 71.7/8$

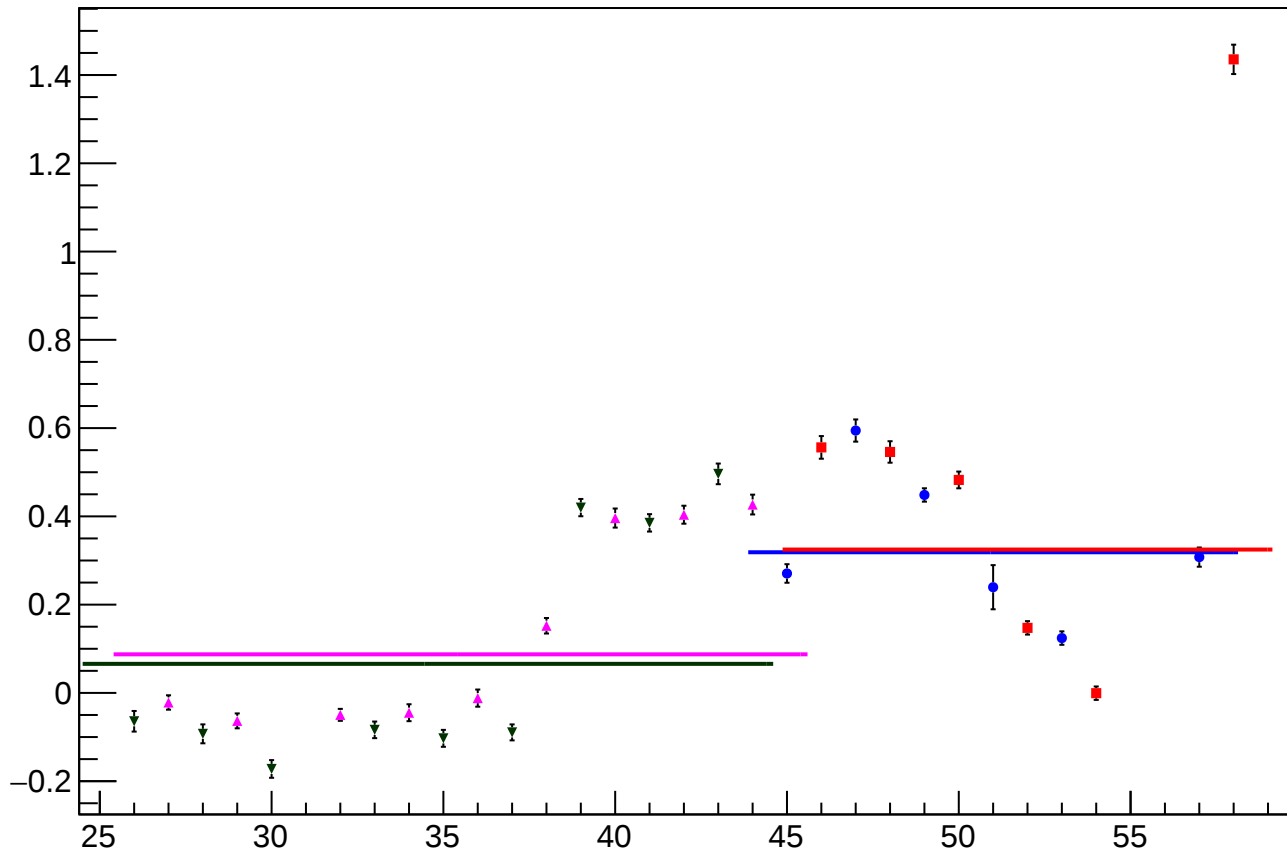
Right Out: 0.082 ± 0.011 $\chi^2/\text{NDF}: 61.5/5$

Left In: -0.031 ± 0.008 $\chi^2/\text{NDF}: 44.0/8$

-0.017 ± 0.007 $\chi^2/\text{NDF}: 165.6/14$

0.010 ± 0.006 $\chi^2/\text{NDF}: 176.3/14$

reg_bcm_dg_us_dg_ds_dd_diff_bpm4aY_slope vs slug



Right In: 0.319+/-0.008 χ^2/NDF : 364.6/5

Left Out: 0.066+/-0.007 χ^2/NDF : 1368.1/8

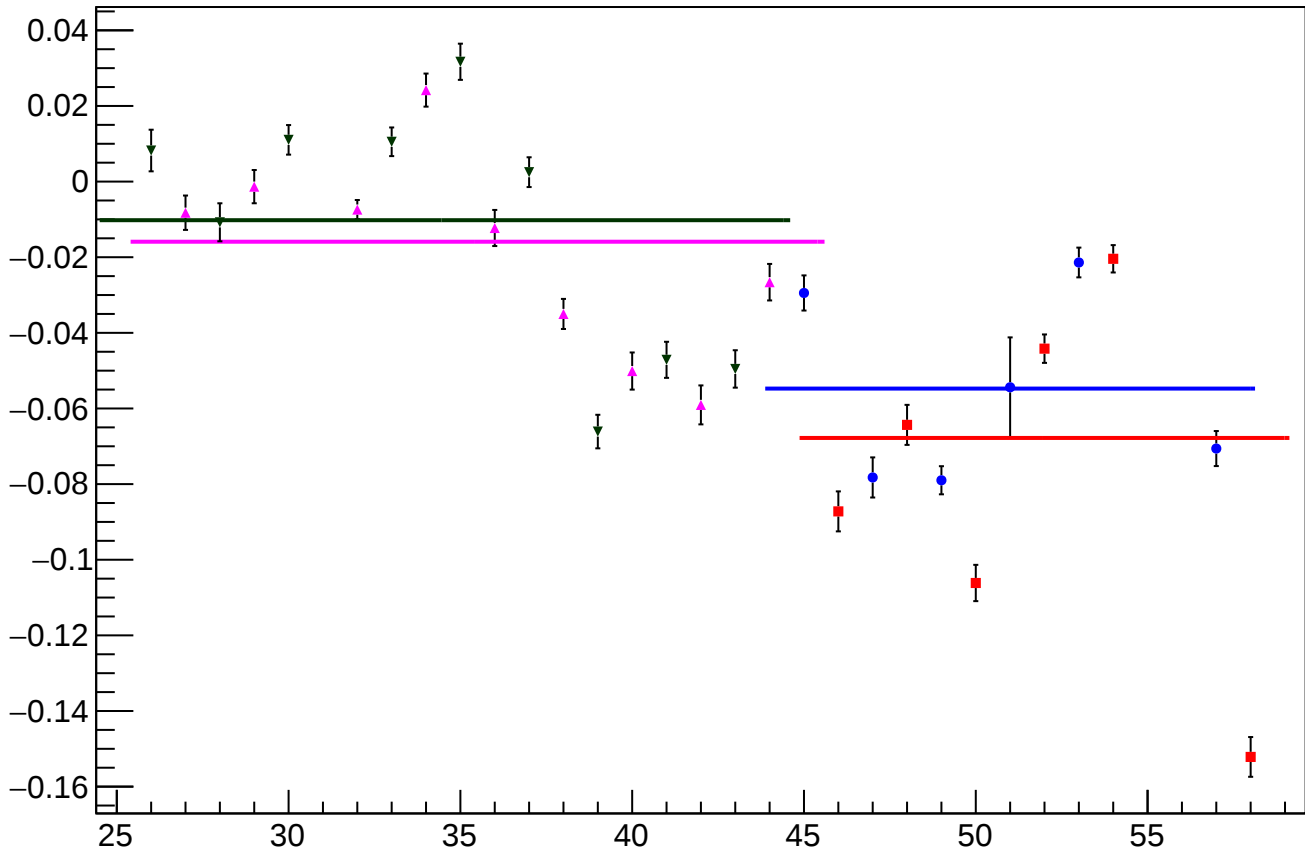
0.168+/-0.005 χ^2/NDF : 2304.1/14

Right Out: 0.325+/-0.008 χ^2/NDF : 1937.6/5

0.172+/-0.005 χ^2/NDF : 3487.2/14

Left In: 0.087+/-0.006 χ^2/NDF : 988.4/8

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eX_slope vs slug



Right In: -0.055+/-0.002 χ^2/NDF : 175.3/5

Left Out: -0.010+/-0.001 χ^2/NDF : 439.6/8

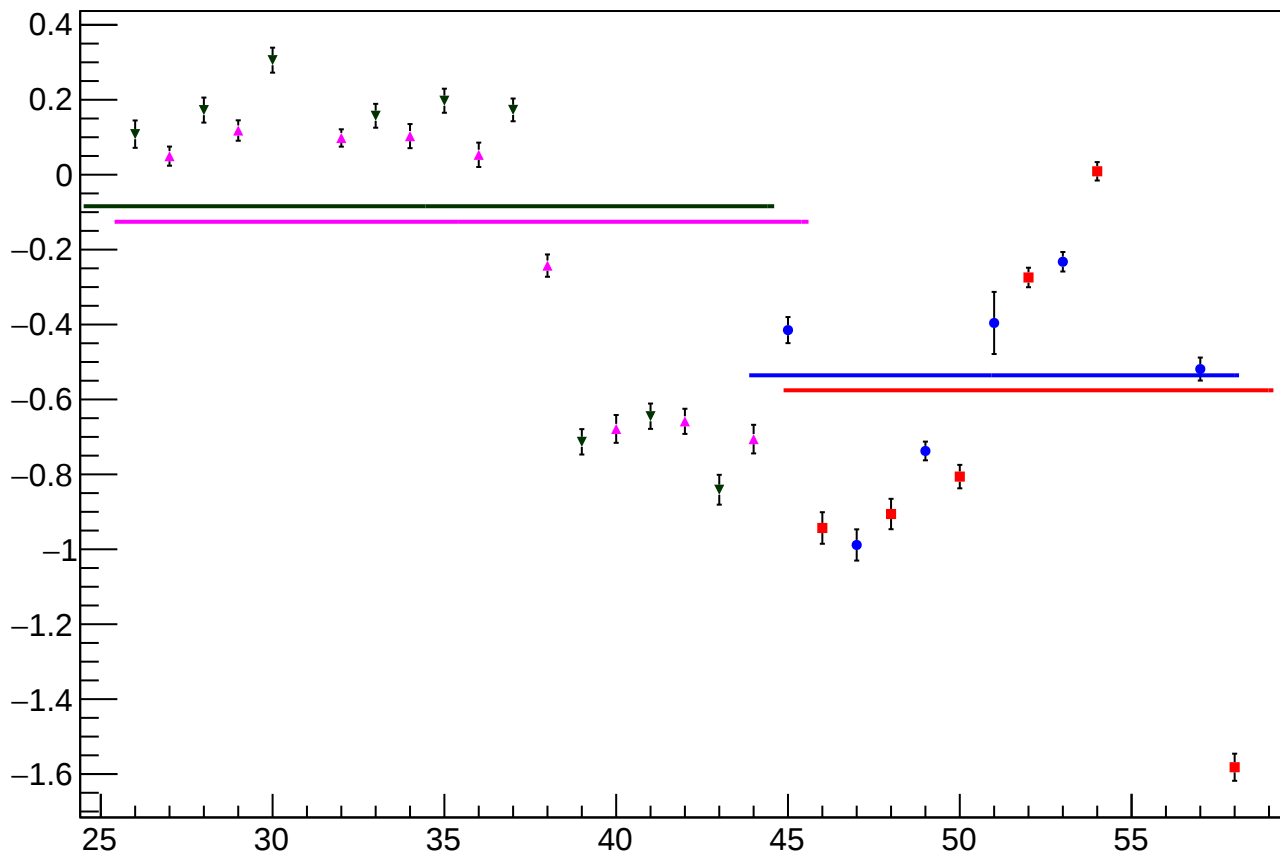
Right Out: -0.068+/-0.002 χ^2/NDF : 546.2/5

Left In: -0.016+/-0.001 χ^2/NDF : 256.4/8

-0.027+/-0.001 χ^2/NDF : 950.9/14

-0.034+/-0.001 χ^2/NDF : 1319.3/14

reg_bcm_dg_us_dg_ds_dd_diff_bpm4eY_slope vs slug



Right In: -0.536+/-0.013 χ^2/NDF : 333.8/5

Left Out: -0.084+/-0.011 χ^2/NDF :1409.4/8

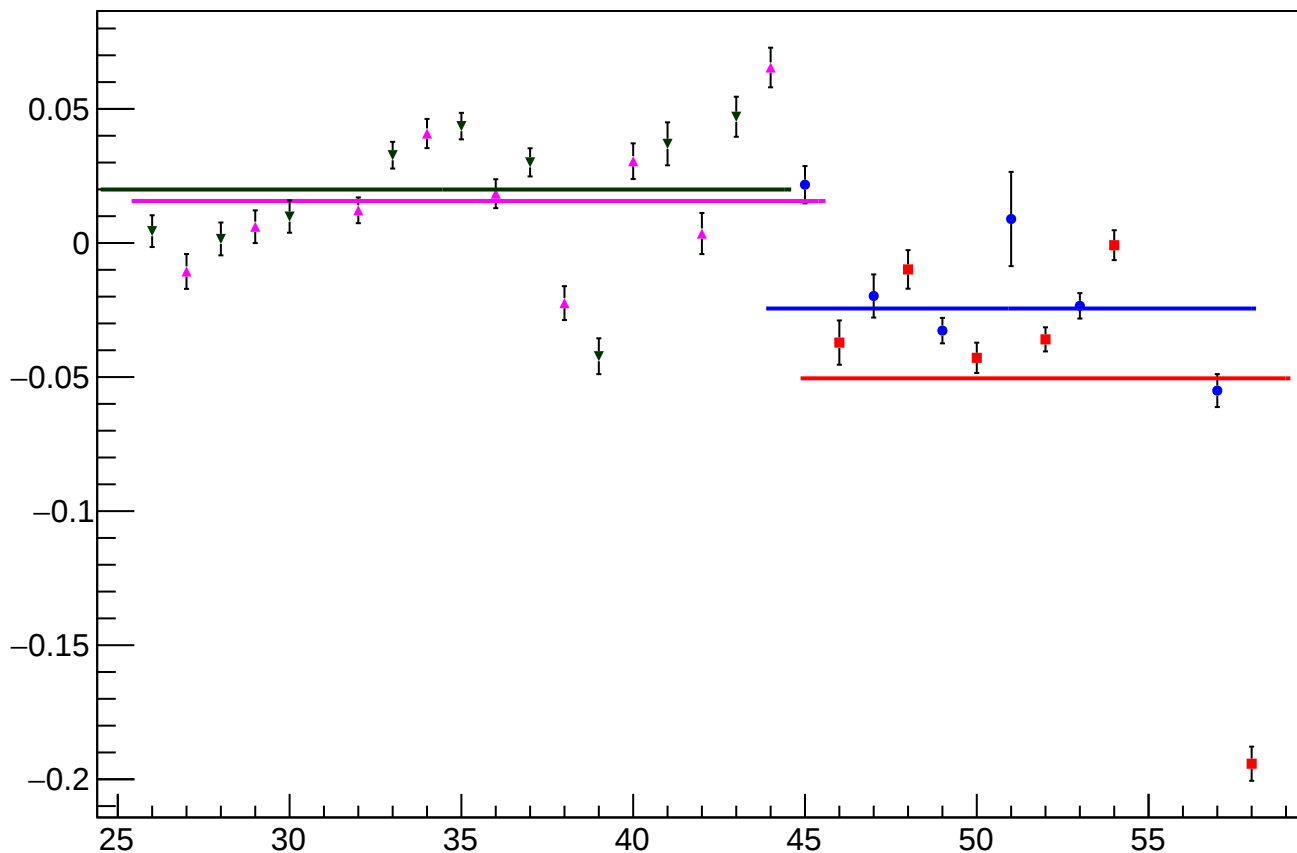
Right Out: -0.576+/-0.013 χ^2/NDF : 1669.3/5

Left In: -0.126+/-0.010 χ^2/NDF :1020.3/8

-0.272+/-0.009 χ^2/NDF : 2418.6/14

-0.295+/-0.008 χ^2/NDF : 3457.4/14

reg_bcm_dg_us_dg_ds_dd_diff_bpm11X_slope vs slug



Right In: -0.024 $\pm$ 0.003 χ^2 /NDF: 75.8/5

Left Out: 0.020 $\pm$ 0.002 χ^2 /NDF:156.1/8

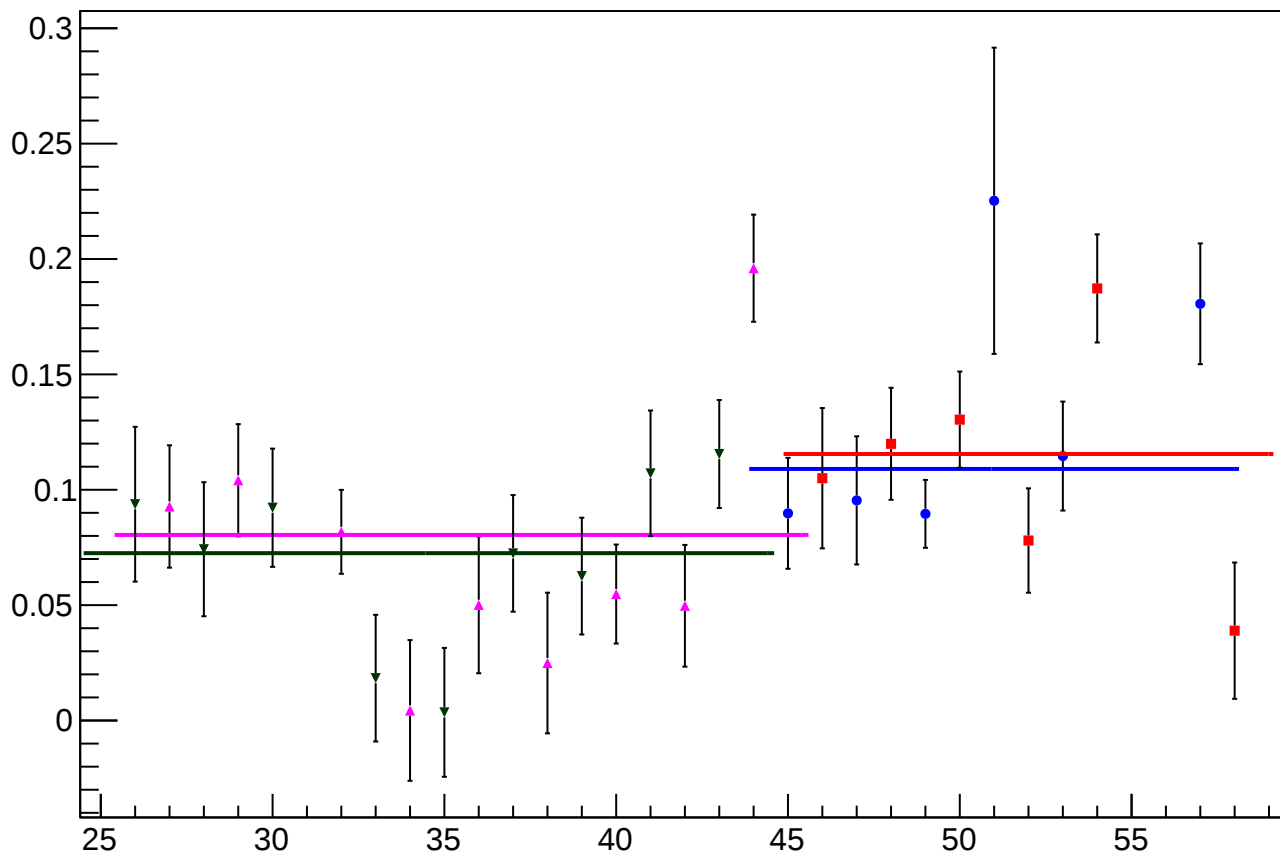
Right Out: -0.050 $\pm$ 0.002 χ^2 /NDF: 634.7/5

Left In: 0.016 $\pm$ 0.002 χ^2 /NDF:130.2/8

0.003 $\pm$ 0.002 χ^2 /NDF: 421.8/14

-0.012 $\pm$ 0.002 χ^2 /NDF: 1206.0/14

reg_bcm_cav4cQ_ds_dd_diff_bpm4aX_slope vs slug



Right In: 0.109+/-0.009 χ^2/NDF : 13.2/5

Left Out: 0.073+/-0.009 χ^2/NDF : 16.1/8

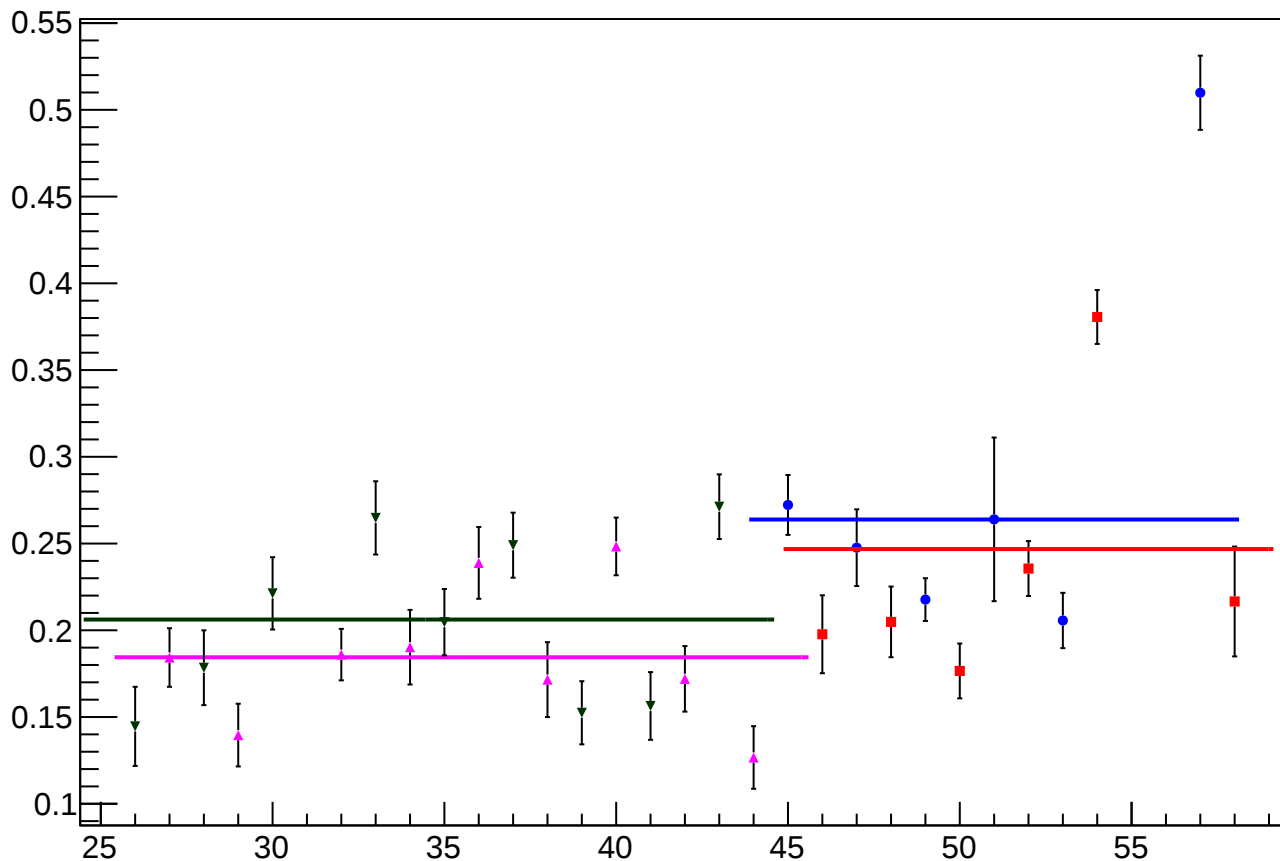
Right Out: 0.116+/-0.010 χ^2/NDF : 19.5/5

Left In: 0.080+/-0.008 χ^2/NDF : 39.3/8

0.090+/-0.007 χ^2/NDF : 37.2/14

0.095+/-0.006 χ^2/NDF : 66.2/14

reg_bcm_cav4cQ_ds_dd_diff_bpm4aY_slope vs slug



Right In: 0.264 $\pm$ 0.007 χ^2 /NDF: 160.4/5

Left Out: 0.206 $\pm$ 0.007 χ^2 /NDF: 49.8/8

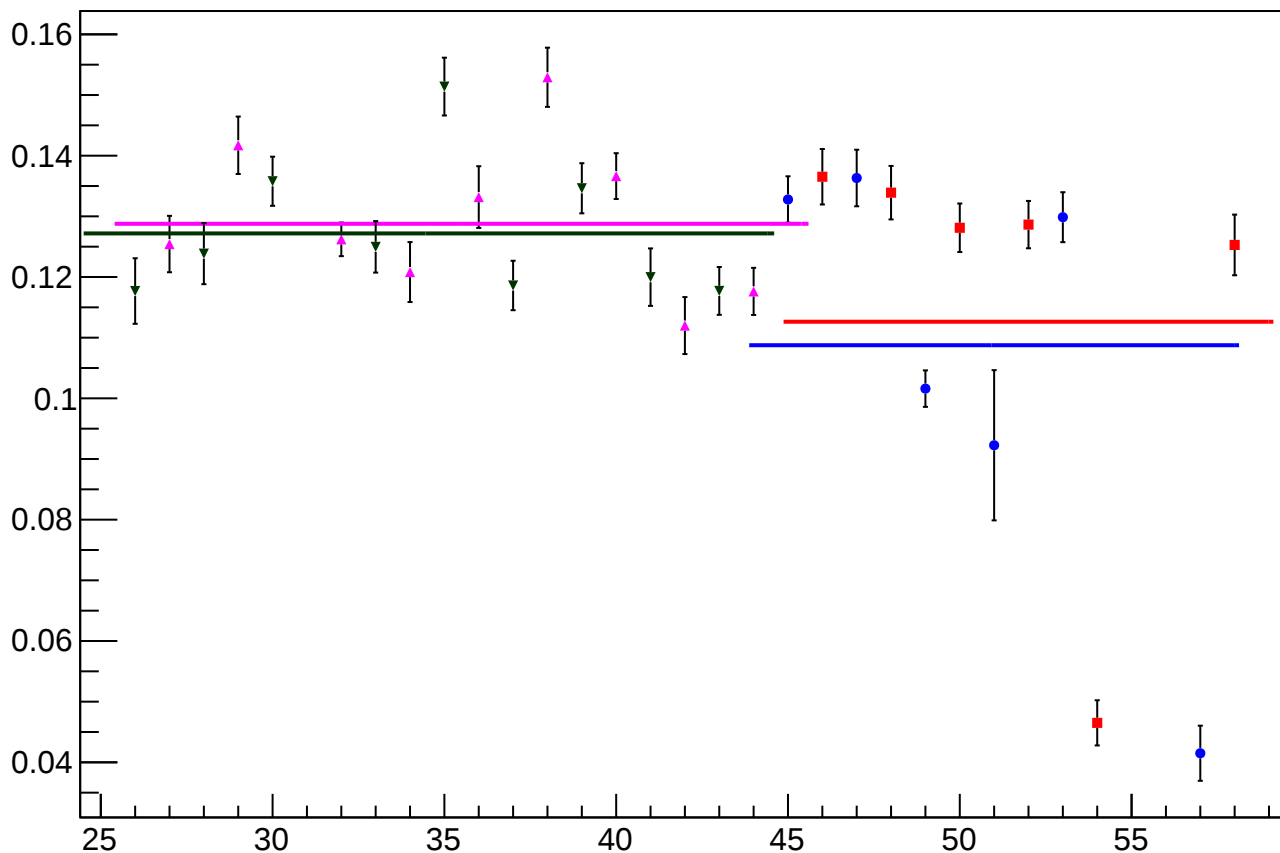
Right Out: 0.247 $\pm$ 0.008 χ^2 /NDF: 104.4/5

Left In: 0.184 $\pm$ 0.006 χ^2 /NDF: 39.0/8

0.232 $\pm$ 0.005 χ^2 /NDF: 244.3/14

0.209 $\pm$ 0.005 χ^2 /NDF: 184.8/14

reg_bcm_cav4cQ_ds_dd_diff_bpm4eX_slope vs slug



Right In: 0.109 $\pm$ 0.002 χ^2 /NDF: 327.6/5

Left Out: 0.127 $\pm$ 0.001 χ^2 /NDF:49.9/8

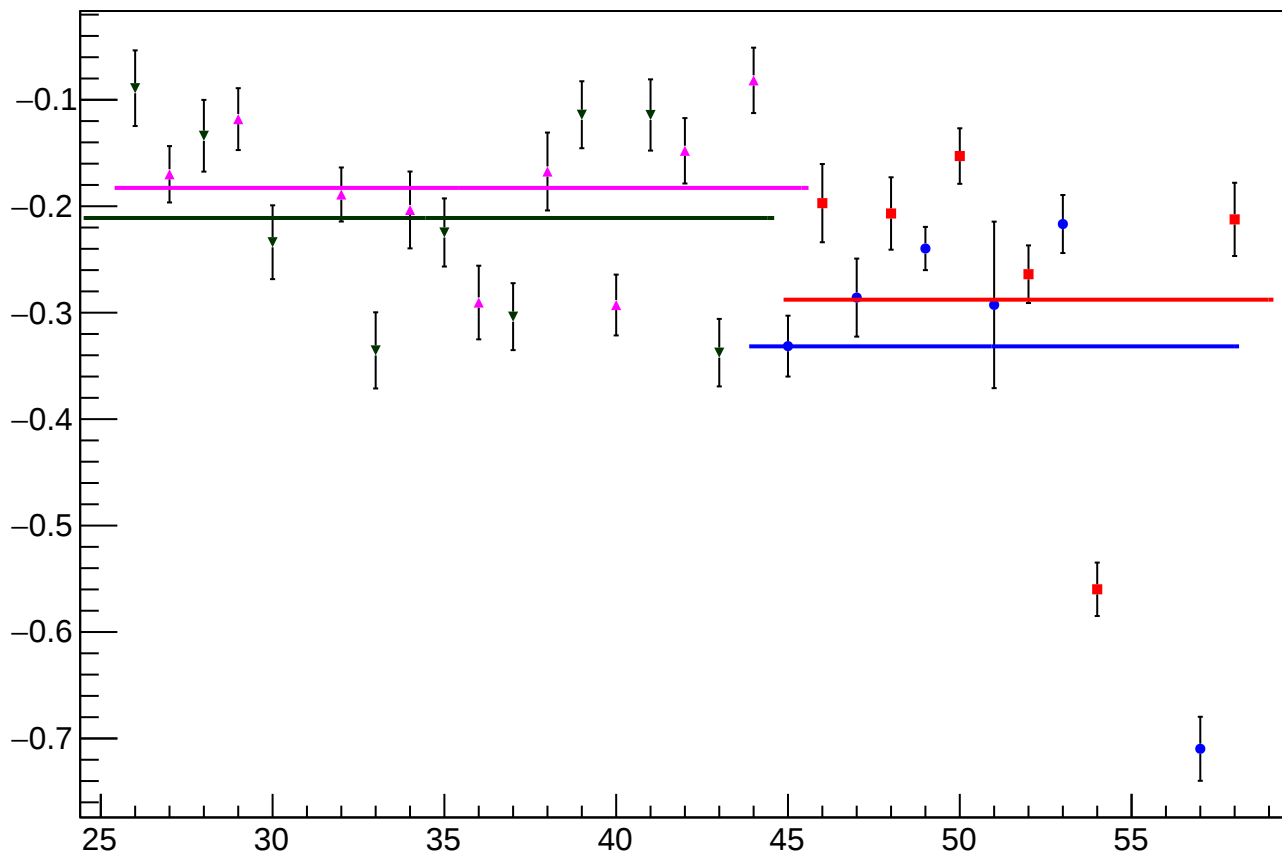
Right Out: 0.113 $\pm$ 0.002 χ^2 /NDF: 403.9/5

Left In: 0.129 $\pm$ 0.001 χ^2 /NDF:62.0/8

0.119 $\pm$ 0.001 χ^2 /NDF: 443.9/14

0.122 $\pm$ 0.001 χ^2 /NDF: 519.6/14

reg_bcm_cav4cQ_ds_dd_diff_bpm4eY_slope vs slug



Right In: -0.332+/-0.012 χ^2 /NDF: 198.1/5

Left Out: -0.211+/-0.011 χ^2 /NDF: 72.2/8

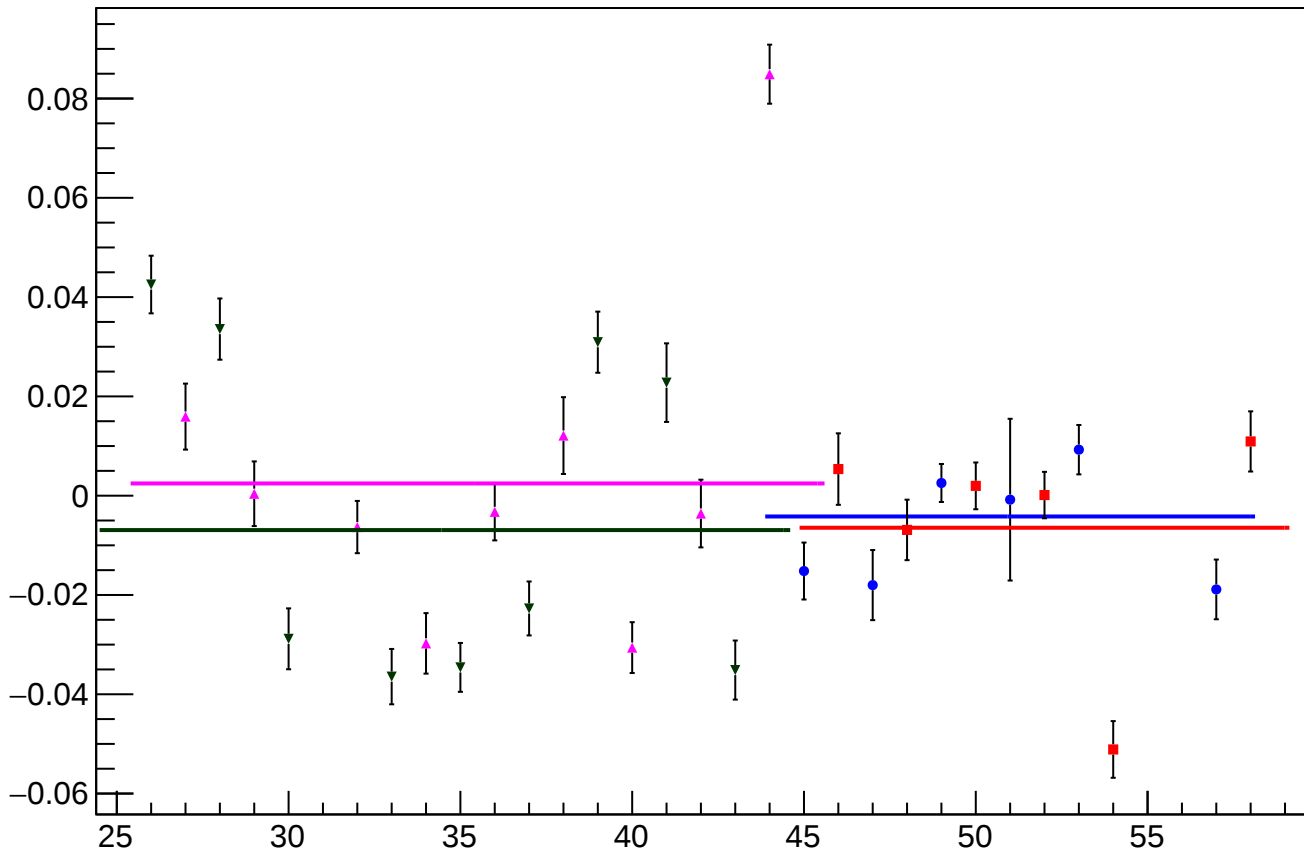
Right Out: -0.288+/-0.012 χ^2 /NDF: 161.6/5

Left In: -0.183+/-0.010 χ^2 /NDF: 42.4/8

-0.267+/-0.008 χ^2 /NDF: 325.2/14

-0.226+/-0.008 χ^2 /NDF: 248.6/14

reg_bcm_cav4cQ_ds_dd_diff_bpm11X_slope vs slug



Right In: -0.004 $\pm$ 0.002 χ^2 /NDF: 23.9/5

Left Out: -0.007 $\pm$ 0.002 χ^2 /NDF: 270.8/8

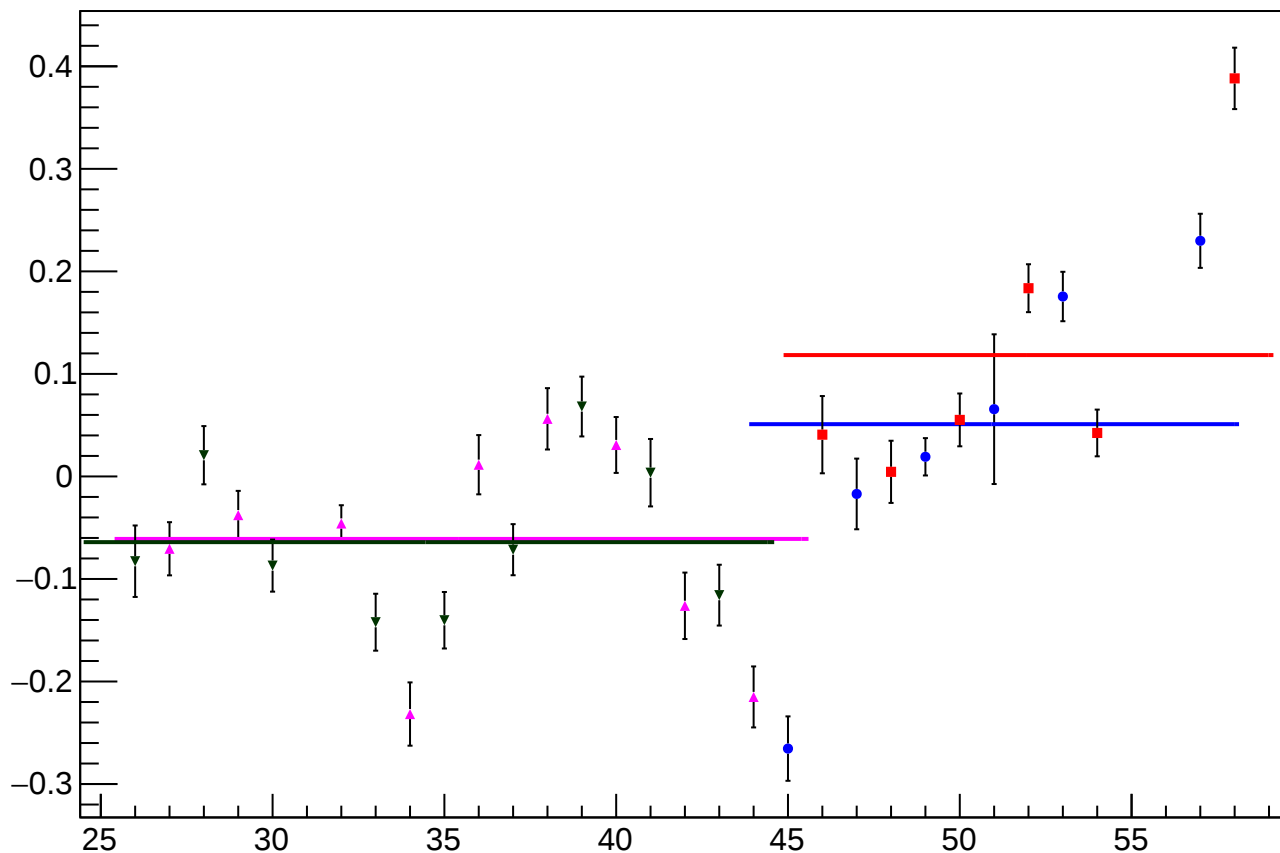
Right Out: -0.006 $\pm$ 0.002 χ^2 /NDF: 77.3/5

Left In: 0.002 $\pm$ 0.002 χ^2 /NDF: 272.2/8

-0.006 $\pm$ 0.001 χ^2 /NDF: 295.6/14

-0.001 $\pm$ 0.002 χ^2 /NDF: 358.1/14

reg_bcm_dg_us_ds_dd_diff_bpm4aX_slope vs slug



Right In: 0.051 ± 0.011 χ^2/NDF : 181.1/5

Left Out: -0.064 ± 0.010 χ^2/NDF : 53.5/8

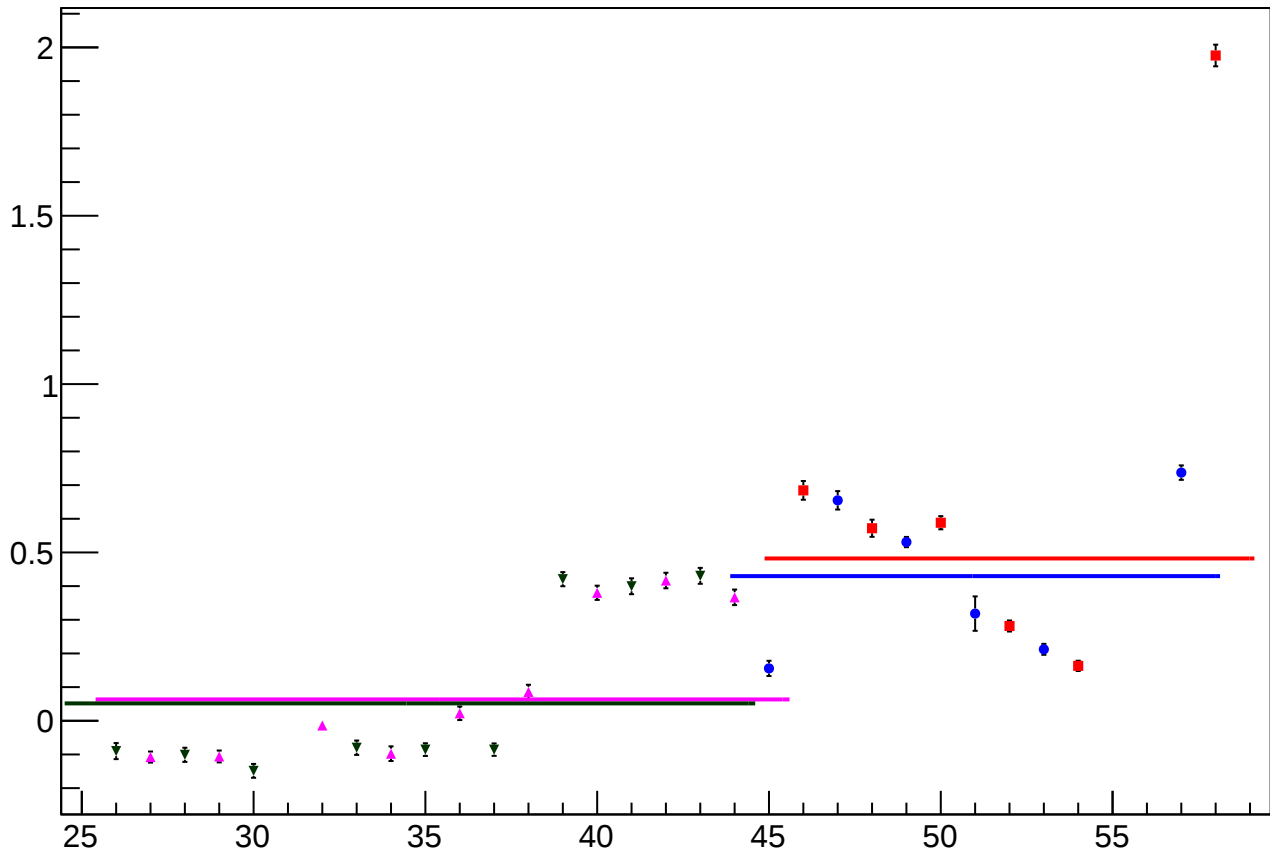
Right Out: 0.118 ± 0.011 χ^2/NDF : 124.4/5

Left In: -0.061 ± 0.009 χ^2/NDF : 96.2/8

-0.015 ± 0.007 χ^2/NDF : 297.0/14

0.008 ± 0.007 χ^2/NDF : 383.1/14

reg_bcm_dg_us_ds_dd_diff_bpm4aY_slope vs slug



Right In: 0.430 ± 0.008 χ^2/NDF : 646.7/5

Left Out: 0.052 ± 0.007 χ^2/NDF : 1112.2/8

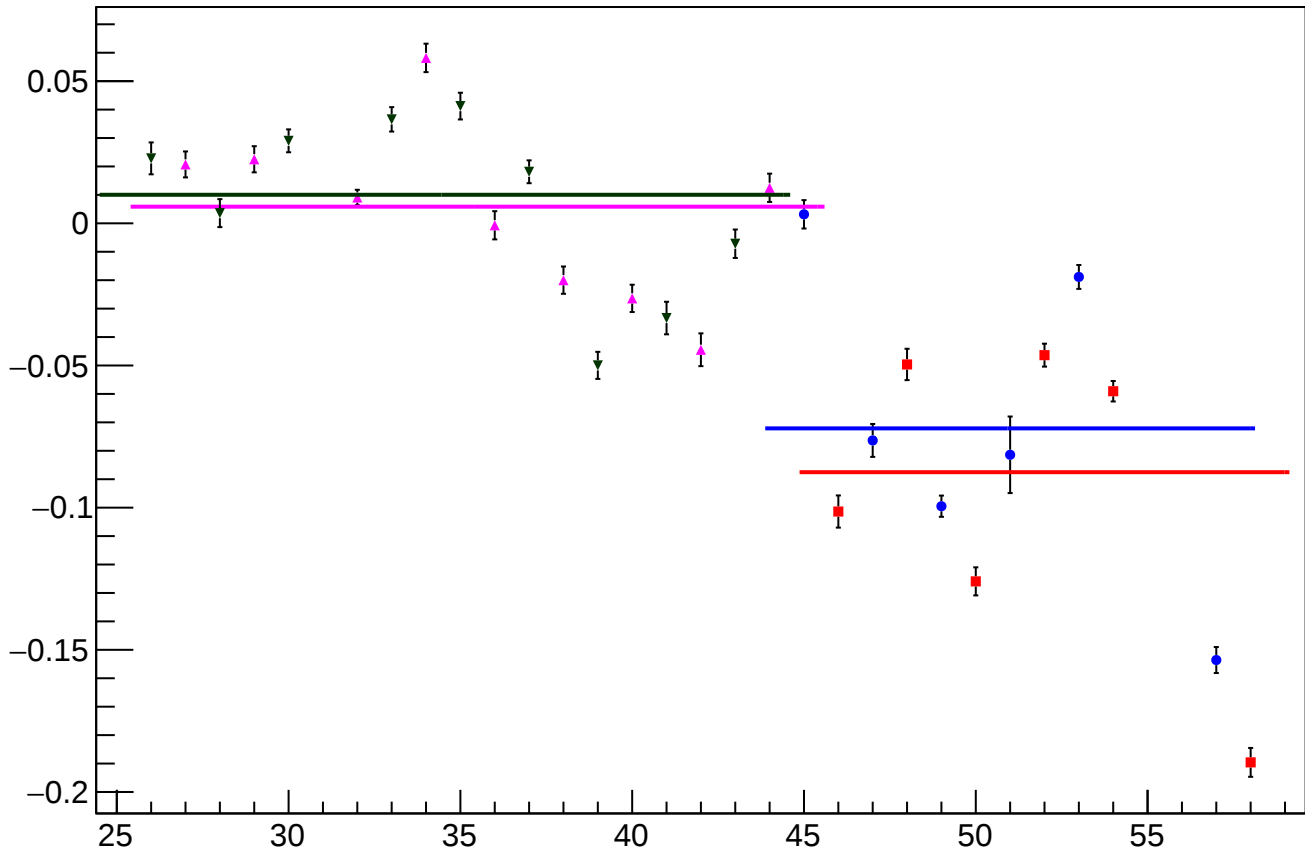
Right Out: 0.482 ± 0.008 χ^2/NDF : 2843.7/5

Left In: 0.063 ± 0.006 χ^2/NDF : 919.9/8

0.206 ± 0.005 χ^2/NDF : 2935.1/14

0.219 ± 0.005 χ^2/NDF : 5357.0/14

reg_bcm_dg_us_ds_dd_diff_bpm4eX_slope vs slug



Right In: -0.072 $\pm$ 0.002 χ^2 /NDF: 760.6/5

Left Out: 0.010 $\pm$ 0.002 χ^2 /NDF:343.5/8

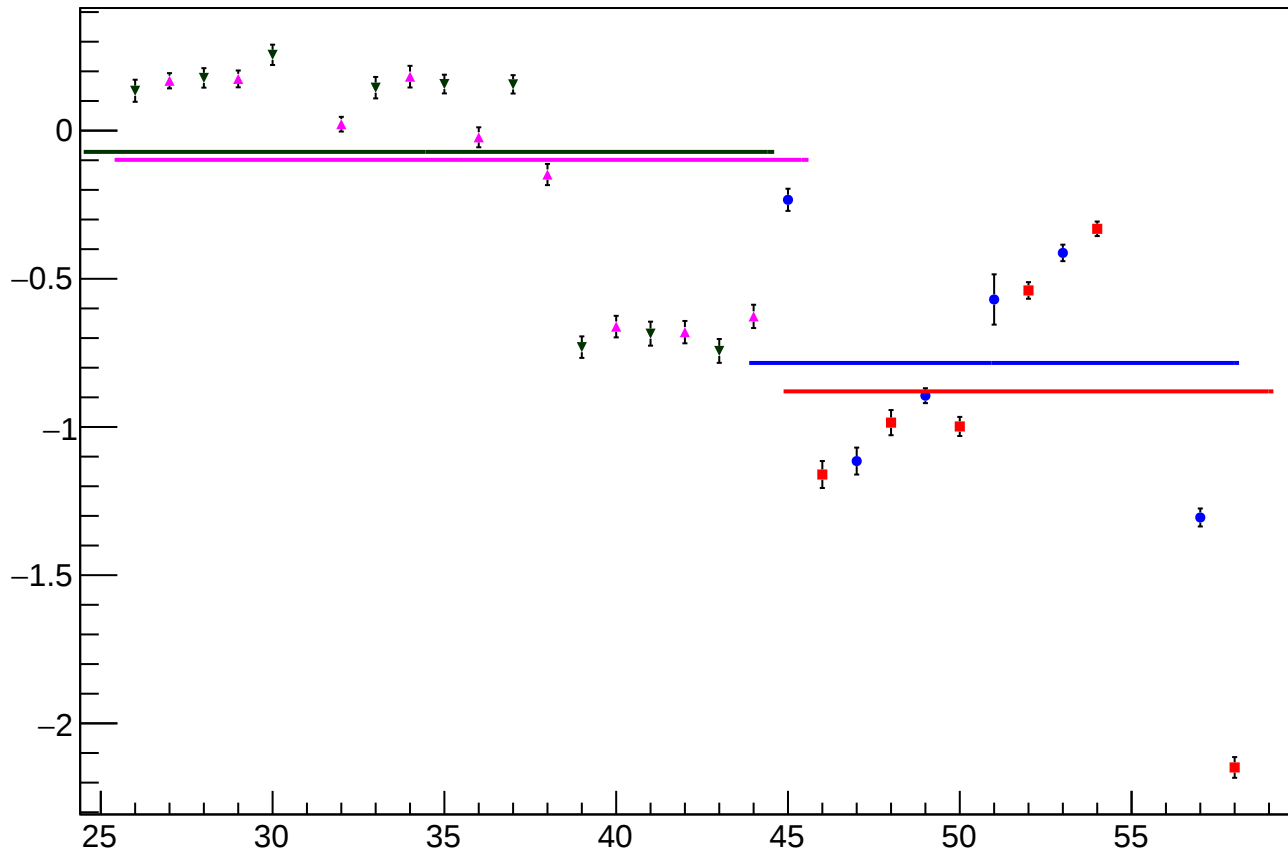
Right Out: -0.088 $\pm$ 0.002 χ^2 /NDF: 684.8/5

Left In: 0.006 $\pm$ 0.001 χ^2 /NDF:288.4/8

-0.021 $\pm$ 0.001 χ^2 /NDF: 2157.7/14

-0.029 $\pm$ 0.001 χ^2 /NDF: 2510.5/14

reg_bcm_dg_us_ds_dd_diff_bpm4eY_slope vs slug



Right In: -0.784 ± 0.014 χ^2/NDF : 768.8/5

Left Out: -0.072 ± 0.012 χ^2/NDF : 1160.0/8

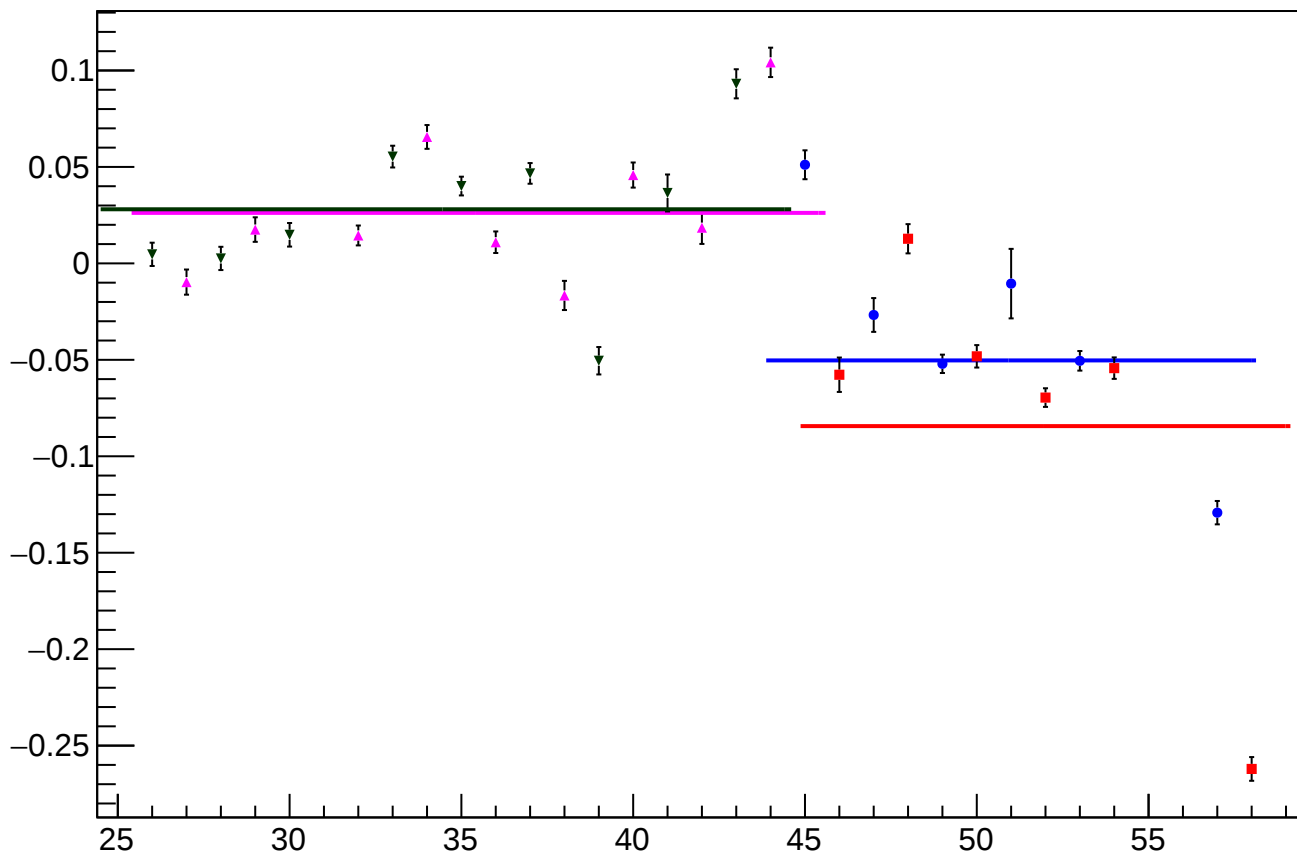
Right Out: -0.880 ± 0.013 χ^2/NDF : 2024.8/5

Left In: -0.099 ± 0.011 χ^2/NDF : 947.3/8

-0.371 ± 0.009 χ^2/NDF : 3484.6/14

-0.406 ± 0.008 χ^2/NDF : 5104.9/14

reg_bcm_dg_us_ds_dd_diff_bpm11X_slope vs slug



Right In: -0.050 $\pm$ 0.003 χ^2 /NDF: 365.3/5

Left Out: 0.028 $\pm$ 0.002 χ^2 /NDF: 276.2/8

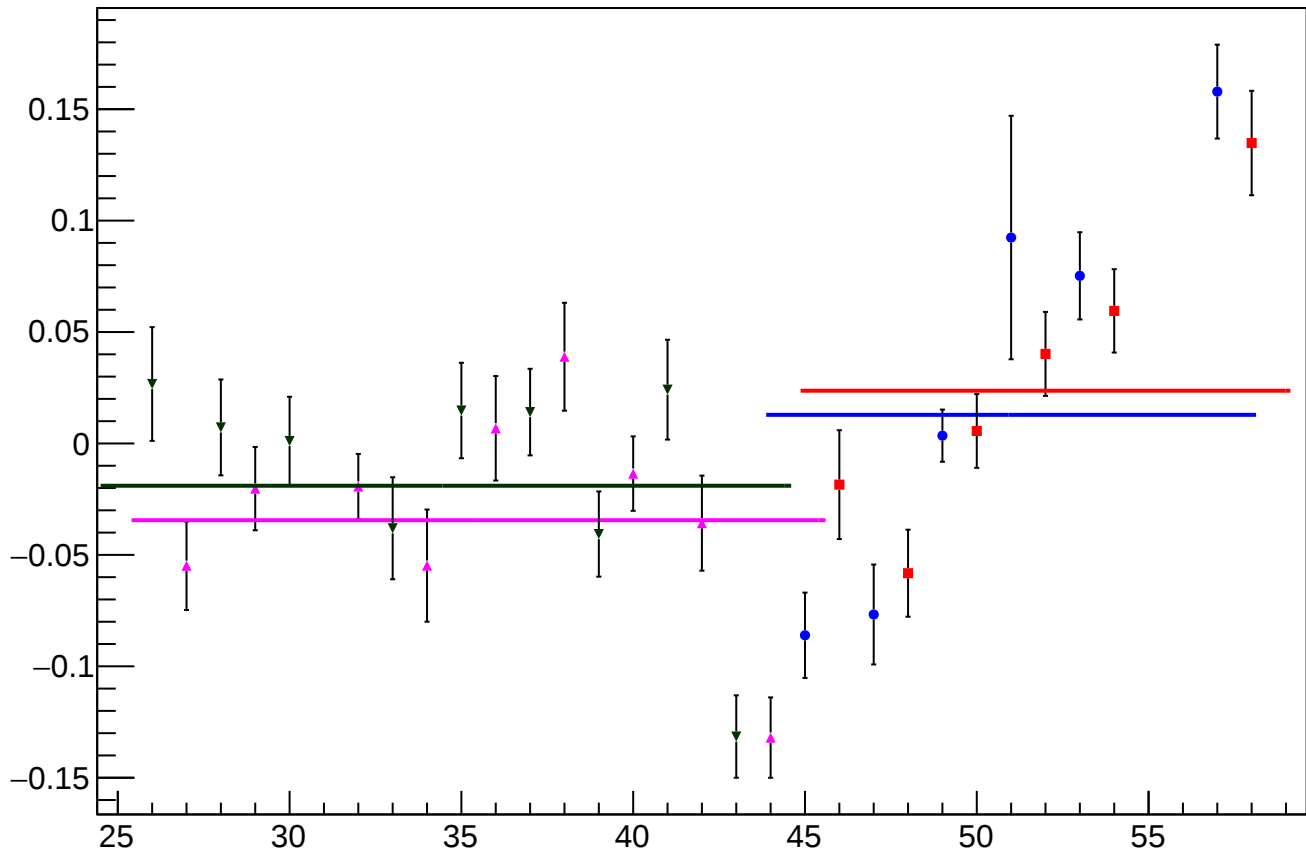
Right Out: -0.084 $\pm$ 0.002 χ^2 /NDF: 1085.7/5

Left In: 0.026 $\pm$ 0.002 χ^2 /NDF: 232.3/8

-0.001 $\pm$ 0.002 χ^2 /NDF: 1193.2/14

-0.021 $\pm$ 0.002 χ^2 /NDF: 2447.0/14

reg_bcm_dg_ds_ds_dd_diff_bpm4aX_slope vs slug



Right In: 0.013+/-0.008 χ^2/NDF : 103.0/5

Left Out: -0.019+/-0.007 χ^2/NDF : 53.8/8

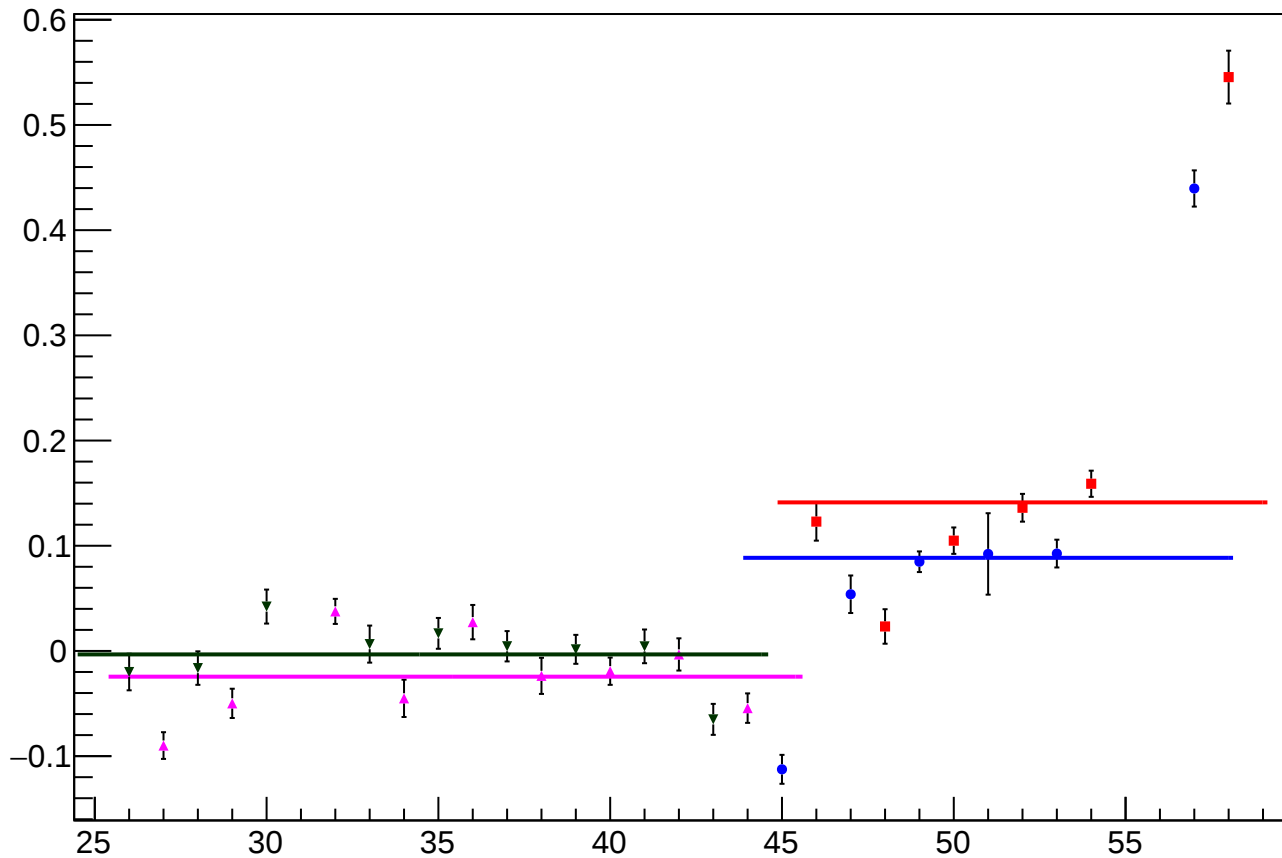
Right Out: 0.024+/-0.008 χ^2/NDF : 48.7/5

Left In: -0.034+/-0.006 χ^2/NDF : 46.4/8

-0.004+/-0.005 χ^2/NDF : 166.3/14

-0.012+/-0.005 χ^2/NDF : 126.9/14

reg_bcm_dg_ds_ds_dd_diff_bpm4aY_slope vs slug



Right In: 0.089 ± 0.006 $\chi^2/\text{NDF}: 633.7/5$

Left Out: -0.003 ± 0.005 $\chi^2/\text{NDF}: 29.9/8$

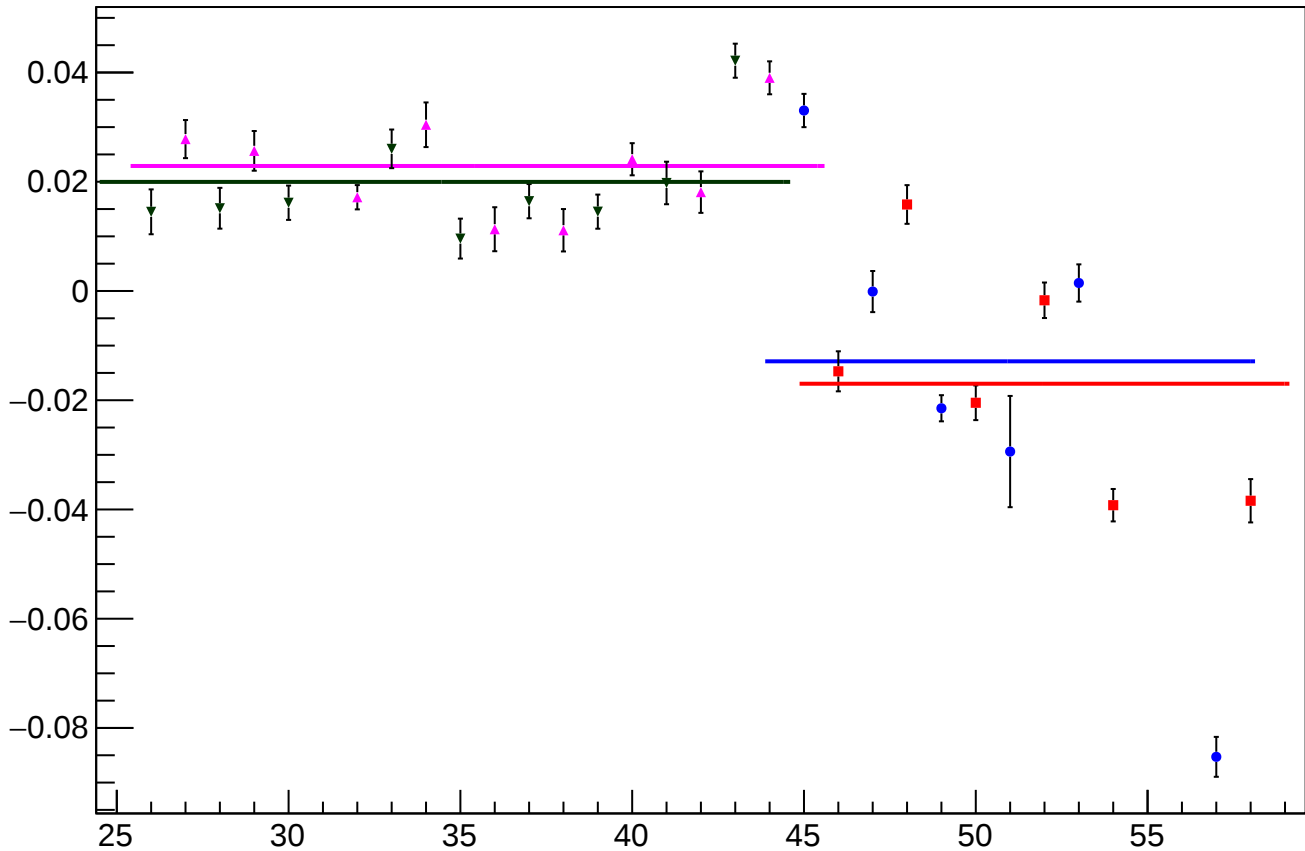
Right Out: 0.141 ± 0.006 $\chi^2/\text{NDF}: 322.3/5$

Left In: -0.024 ± 0.005 $\chi^2/\text{NDF}: 75.1/8$

0.036 ± 0.004 $\chi^2/\text{NDF}: 800.5/14$

0.038 ± 0.004 $\chi^2/\text{NDF}: 855.9/14$

reg_bcm_dg_ds_ds_dd_diff_bpm4eX_slope vs slug



Right In: -0.013+/-0.001 χ^2/NDF : 664.6/5

Left Out: 0.020+/-0.001 χ^2/NDF : 70.9/8

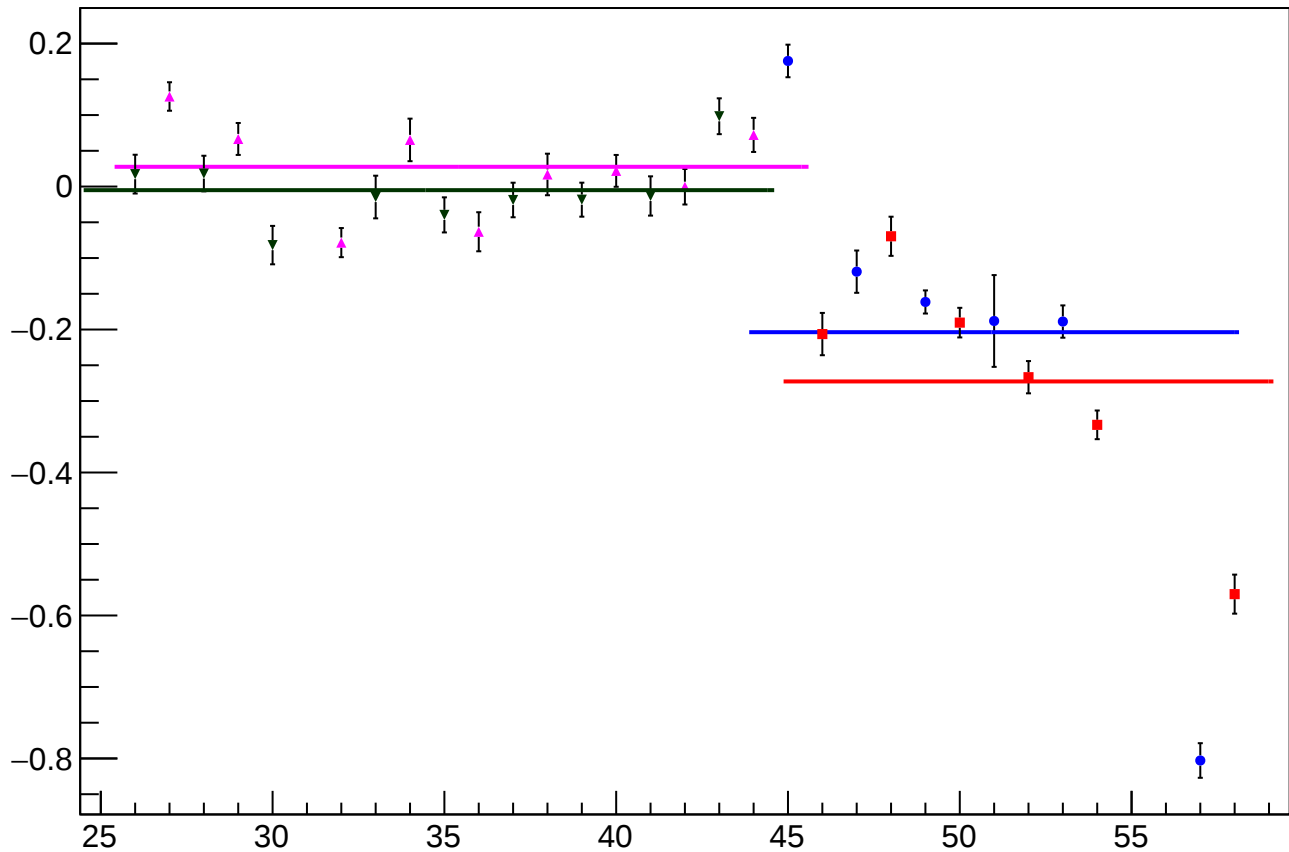
Right Out: -0.017+/-0.001 χ^2/NDF : 194.8/5

Left In: 0.023+/-0.001 χ^2/NDF : 60.5/8

0.007+/-0.001 χ^2/NDF : 1069.9/14

0.008+/-0.001 χ^2/NDF : 769.2/14

reg_bcm_dg_ds_ds_dd_diff_bpm4eY_slope vs slug



Right In: -0.204 $\pm$ 0.010 χ^2 /NDF: 905.3/5

Left Out: -0.005 $\pm$ 0.009 χ^2 /NDF:29.5/8

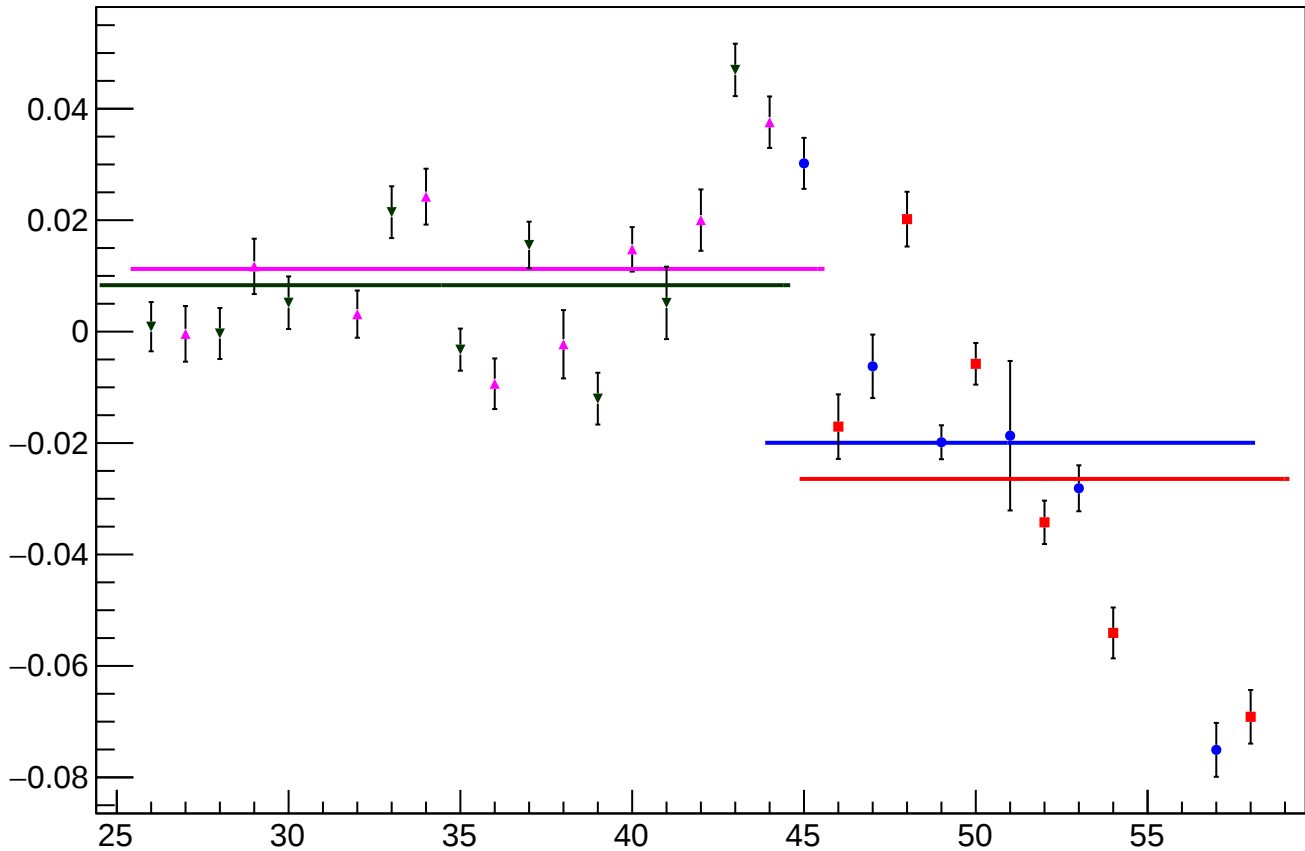
Right Out: -0.273 $\pm$ 0.010 χ^2 /NDF: 203.8/5

Left In: 0.028 $\pm$ 0.008 χ^2 /NDF:72.1/8

-0.093 $\pm$ 0.006 χ^2 /NDF: 1171.9/14

-0.092 $\pm$ 0.006 χ^2 /NDF: 850.3/14

reg_bcm_dg_ds_ds_dd_diff_bpm11X_slope vs slug



Right In: -0.020 $\pm$ 0.002 χ^2 /NDF: 259.8/5

Left Out: 0.008 $\pm$ 0.002 χ^2 /NDF:114.0/8

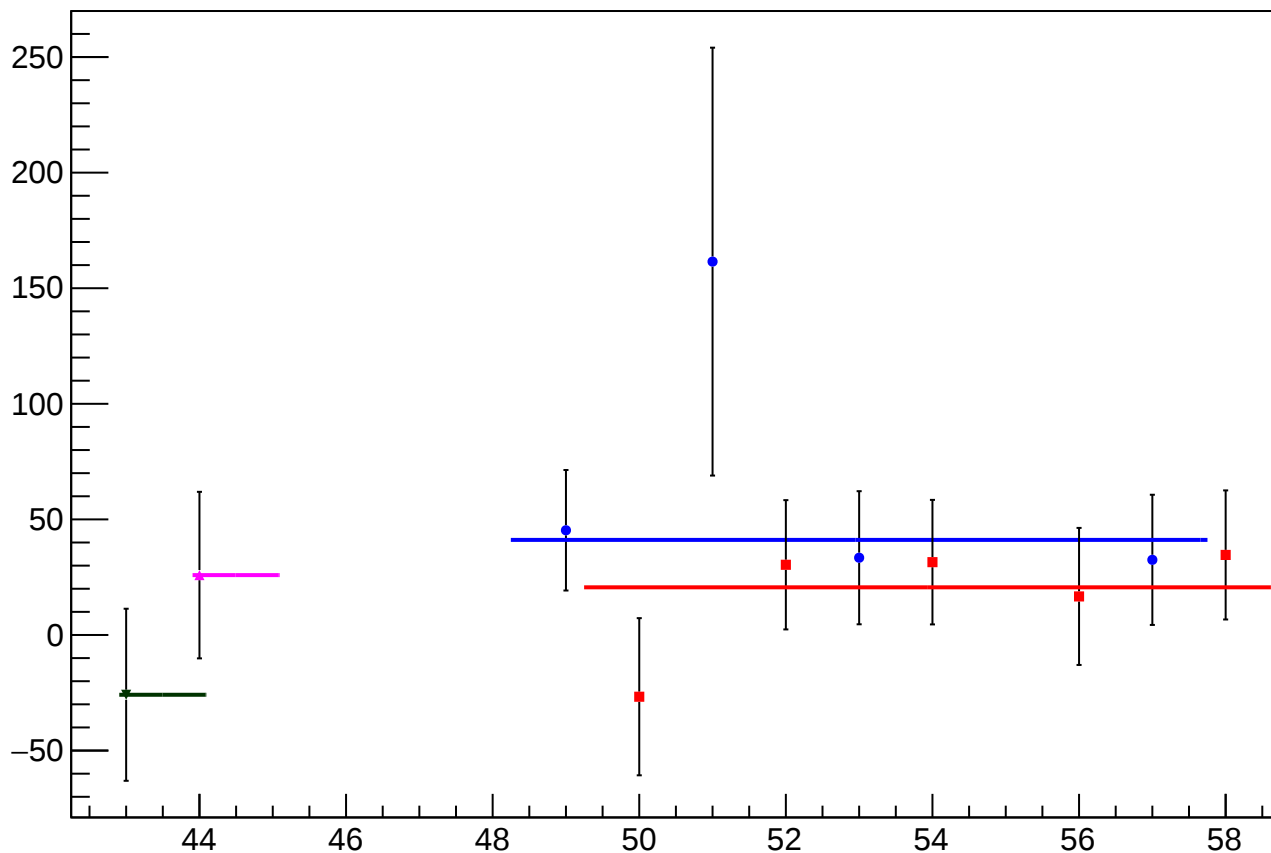
Right Out: -0.026 $\pm$ 0.002 χ^2 /NDF: 242.7/5

Left In: 0.011 $\pm$ 0.002 χ^2 /NDF:77.1/8

-0.003 $\pm$ 0.001 χ^2 /NDF: 513.7/14

-0.005 $\pm$ 0.001 χ^2 /NDF: 561.6/14

bcm_dg_us_dg_ds_dd_mean vs slug



Right In: 41.130 $\pm$ 15.701 χ^2 /NDF: 1.9/3

Left Out: -25.864 $\pm$ 37.215 χ^2 /NDF: 0.0/0

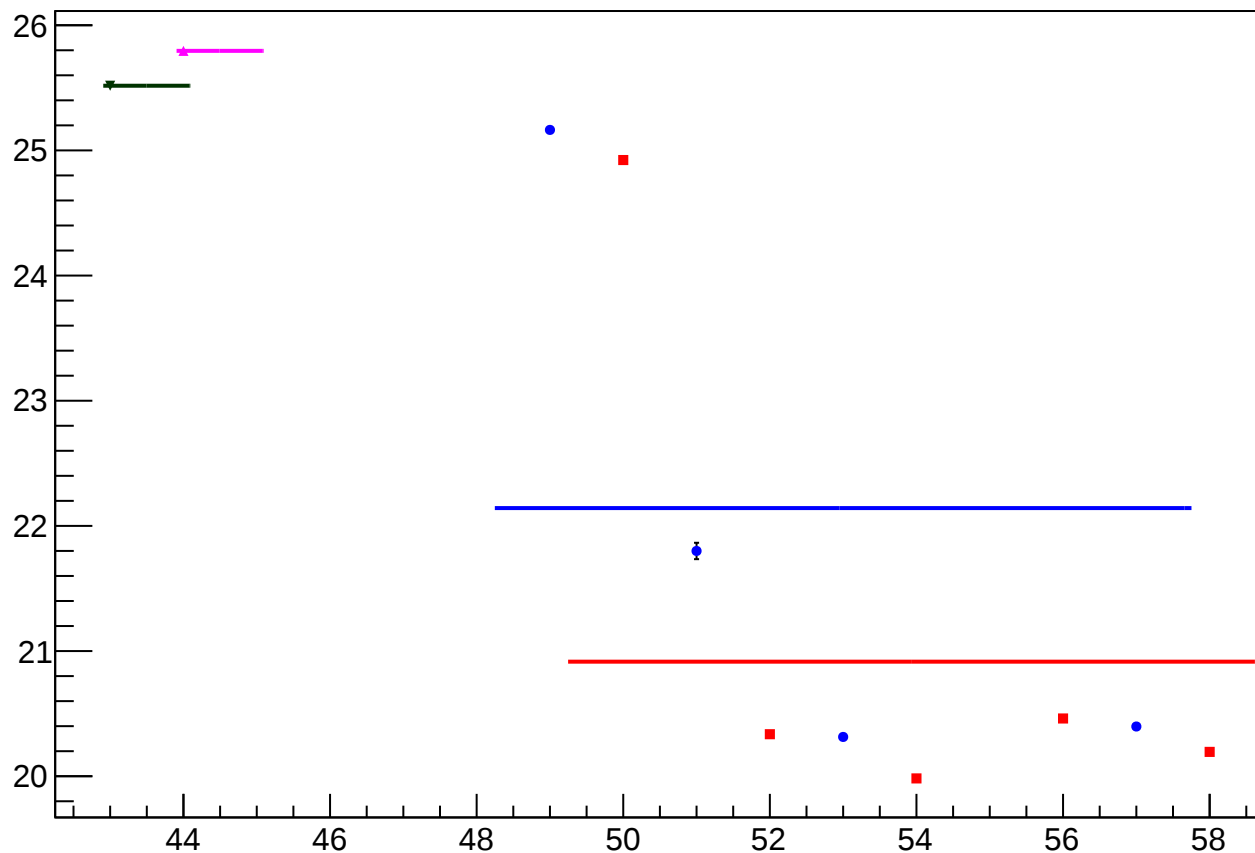
Right Out: 20.616 $\pm$ 12.971 χ^2 /NDF: 2.5/4

Left In: 25.900 $\pm$ 36.022 χ^2 /NDF: 0.0/0

31.007 $\pm$ 14.466 χ^2 /NDF: 4.6/4

21.223 $\pm$ 12.204 χ^2 /NDF: 2.5/5

bcm_dg_us_dg_ds_dd_rms vs slug



Right In: 22.142 ± 0.011 χ^2/NDF : 42653.1/3

Left Out: 25.517 ± 0.026 χ^2/NDF : 0.0/0

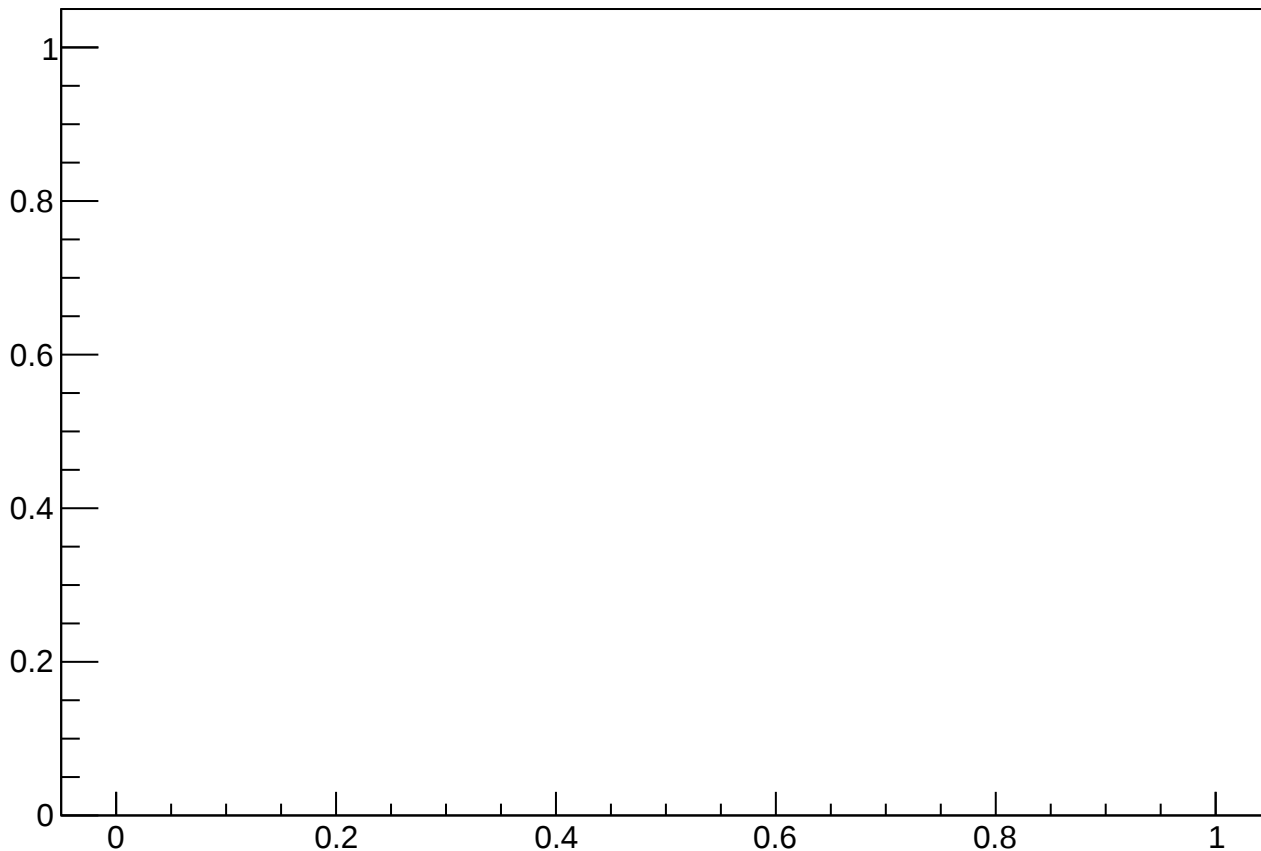
Right Out: 20.915 ± 0.009 χ^2/NDF : 32858.0/4

Left In: 25.795 ± 0.025 χ^2/NDF : 0.0/0

22.652 ± 0.010 χ^2/NDF : 56611.2/4

21.475 ± 0.009 χ^2/NDF : 65350.7/5

bcm_dg_us_dg_ds_avg_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

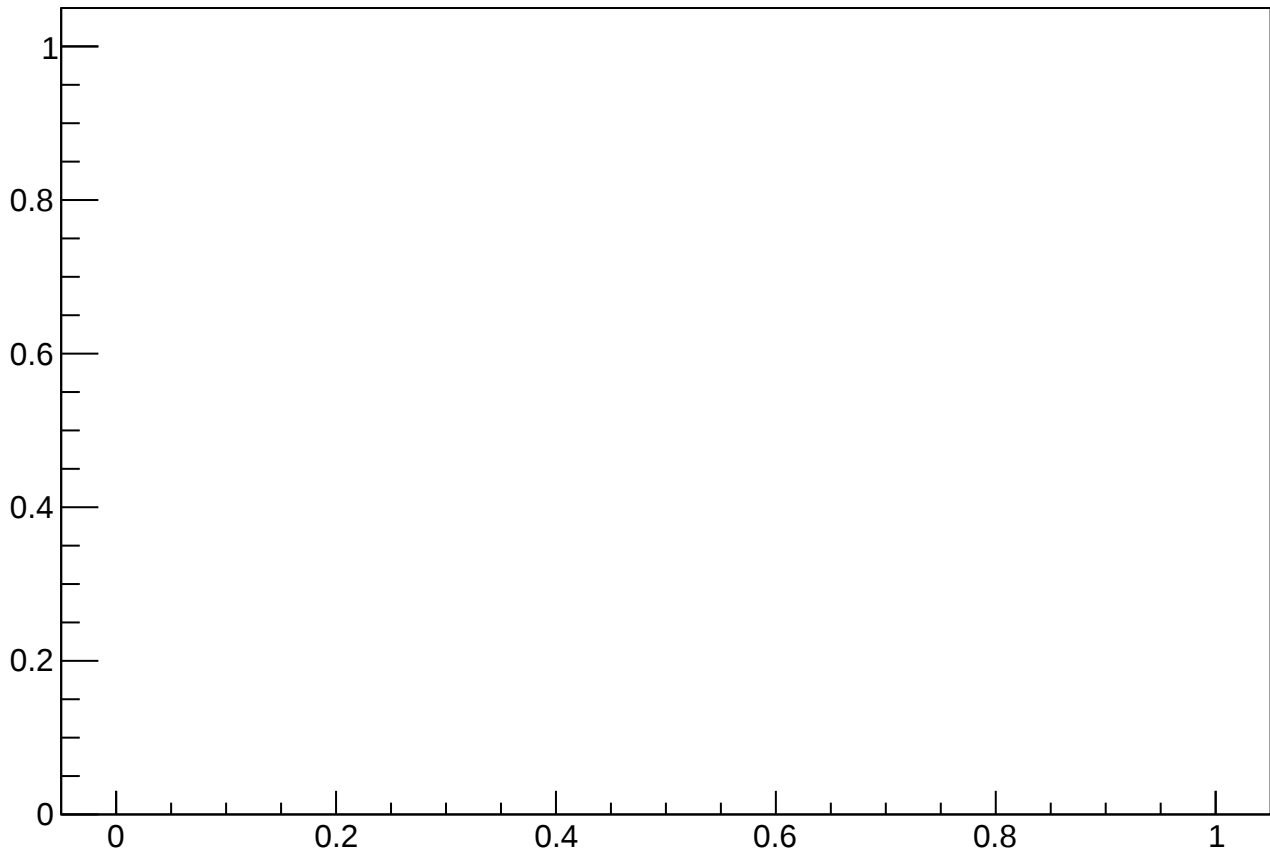
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

bcm_dg_us_dg_ds_avg_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

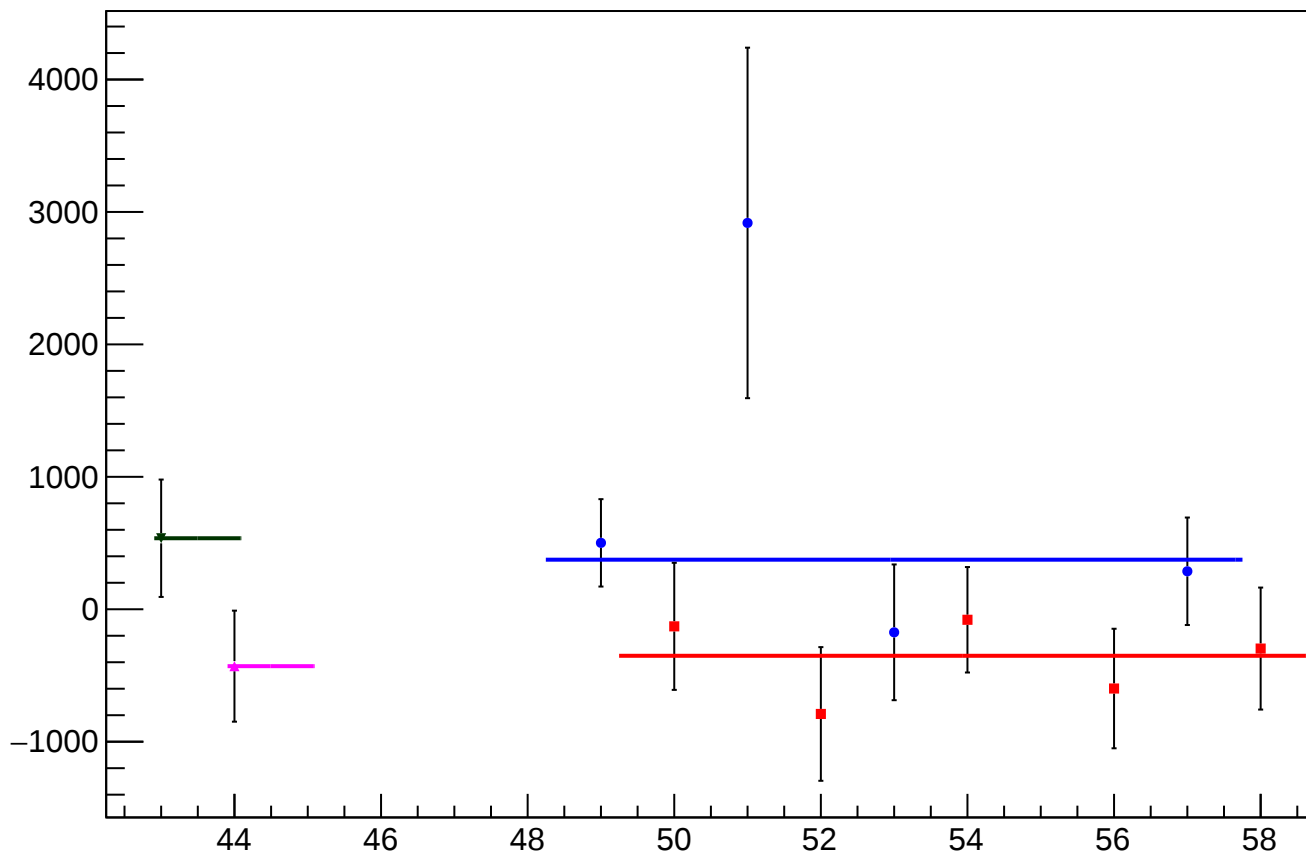
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_us_agg_avg_mean vs slug



Right In: 374.322 $\pm$ 225.669 χ^2 /NDF: 5.0/3

Left Out: 536.234 $\pm$ 443.159 χ^2 /NDF: 0.0/0

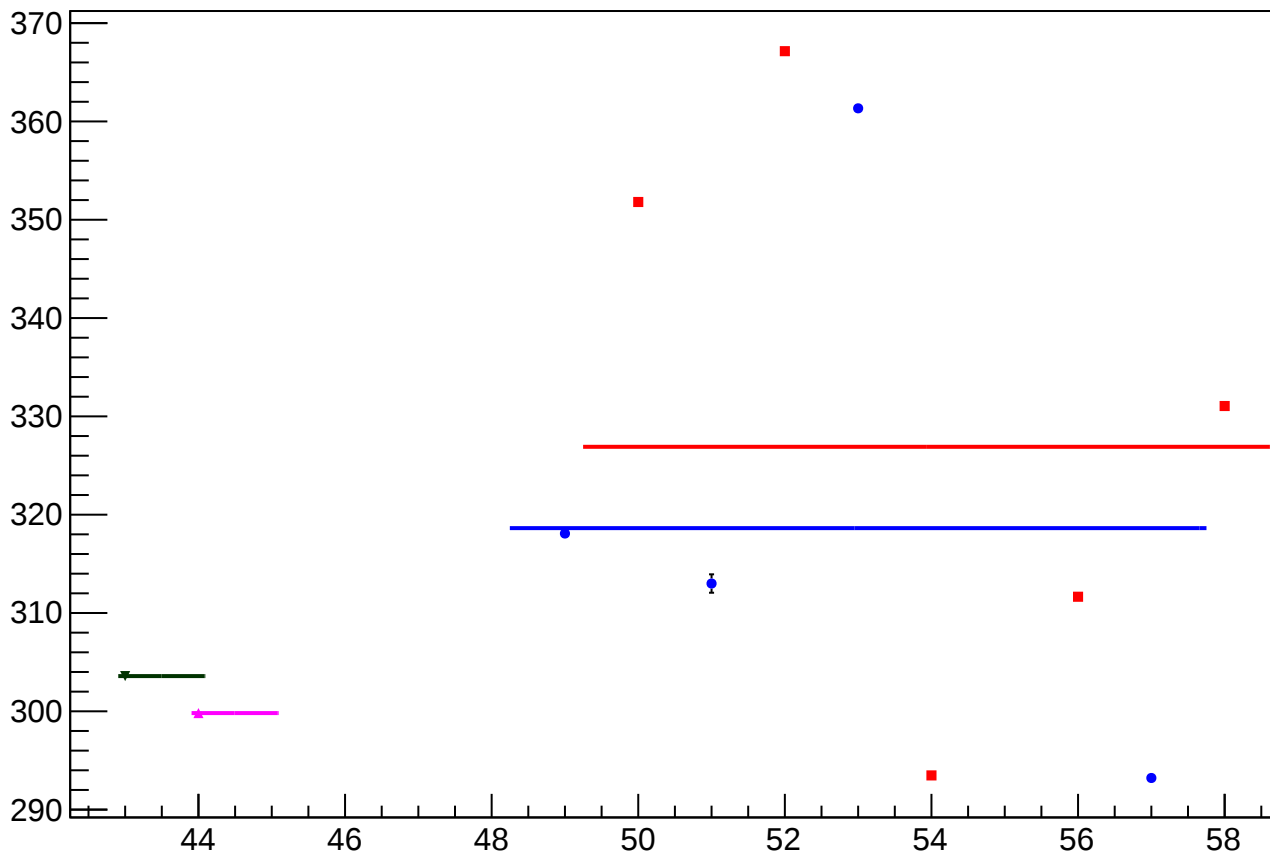
Right Out: -351.301 $\pm$ 203.265 χ^2 /NDF: 1.8/4

Left In: -429.667 $\pm$ 419.215 χ^2 /NDF: 0.0/0

407.663 $\pm$ 201.097 χ^2 /NDF: 5.1/4

-366.218 $\pm$ 182.899 χ^2 /NDF: 1.8/5

asym_us_agg_avg_rms vs slug



Right In: 318.632 ± 0.160 χ^2/NDF : 21772.1/3

Left Out: 303.582 ± 0.313 χ^2/NDF : 0.0/0

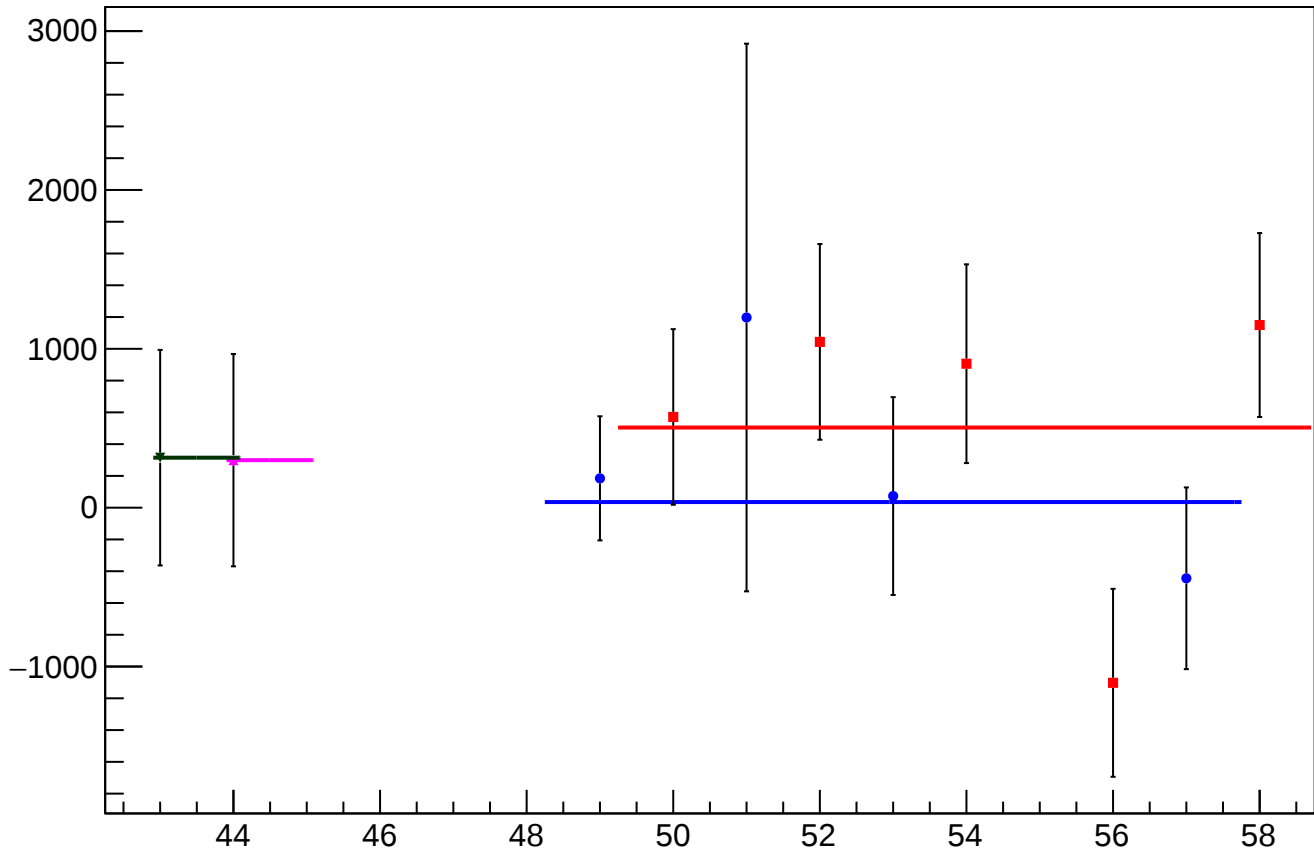
Right Out: 326.905 ± 0.144 χ^2/NDF : 34646.5/4

Left In: 299.820 ± 0.296 χ^2/NDF : 0.0/0

315.533 ± 0.142 χ^2/NDF : 23603.8/4

321.749 ± 0.129 χ^2/NDF : 41406.0/5

asym_us_agg_dd_mean vs slug



Right In: 35.380+/-282.532 χ^2/NDF : 1.3/3

Left Out: 314.697+/-678.402 χ^2/NDF : 0.0/0

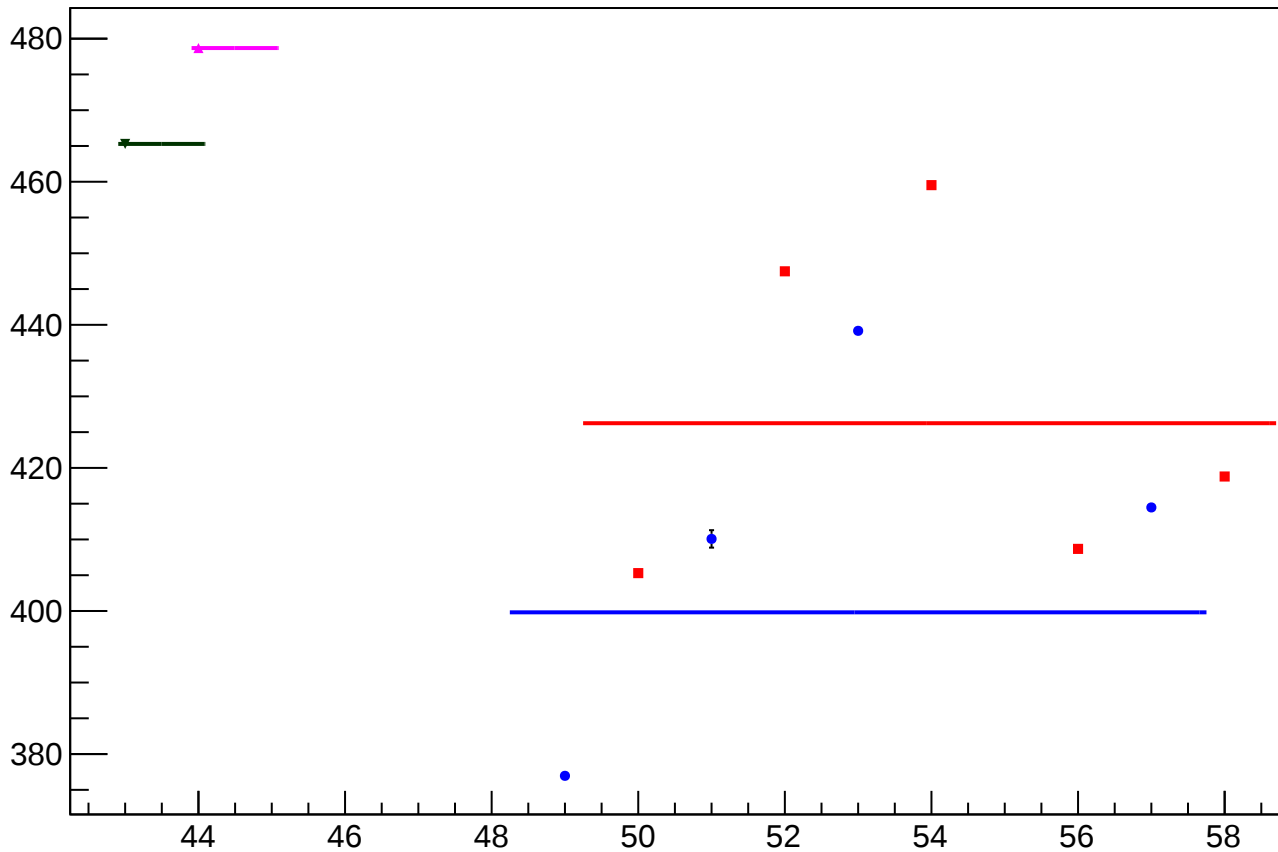
Right Out: 504.449+/-264.403 χ^2/NDF : 9.8/4

Left In: 299.068+/-668.301 χ^2/NDF : 0.0/0

76.665+/-260.817 χ^2/NDF : 1.5/4

476.652+/-245.860 χ^2/NDF : 9.9/5

asym_us_agg_dd_rms vs slug



Right In: 399.813 ± 0.200 χ^2/NDF : 16218.8/3

Left Out: 465.287 ± 0.480 χ^2/NDF : 0.0/0

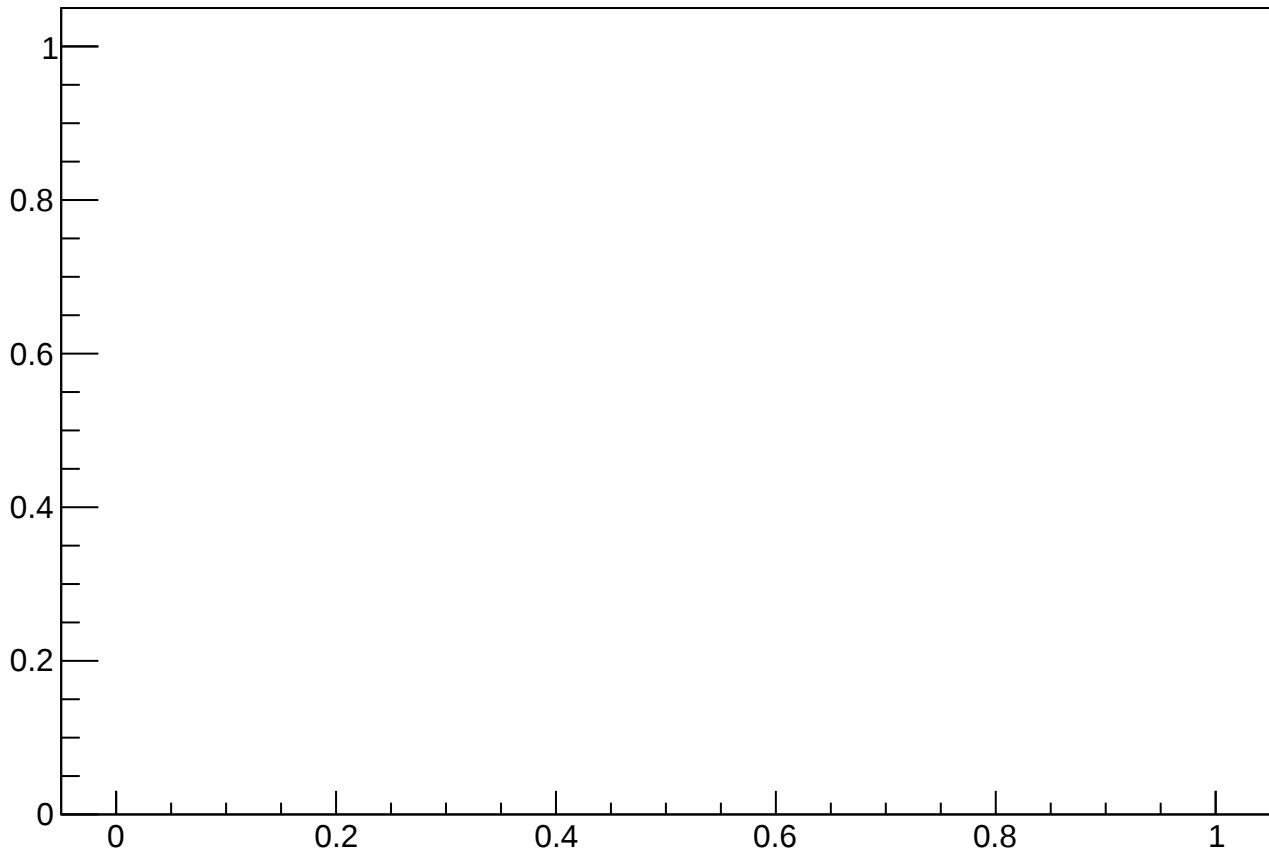
Right Out: 426.248 ± 0.187 χ^2/NDF : 13004.3/4

Left In: 478.688 ± 0.473 χ^2/NDF : 0.0/0

409.490 ± 0.184 χ^2/NDF : 32094.6/4

433.345 ± 0.174 χ^2/NDF : 23652.0/5

asym_ds_agg_avg_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

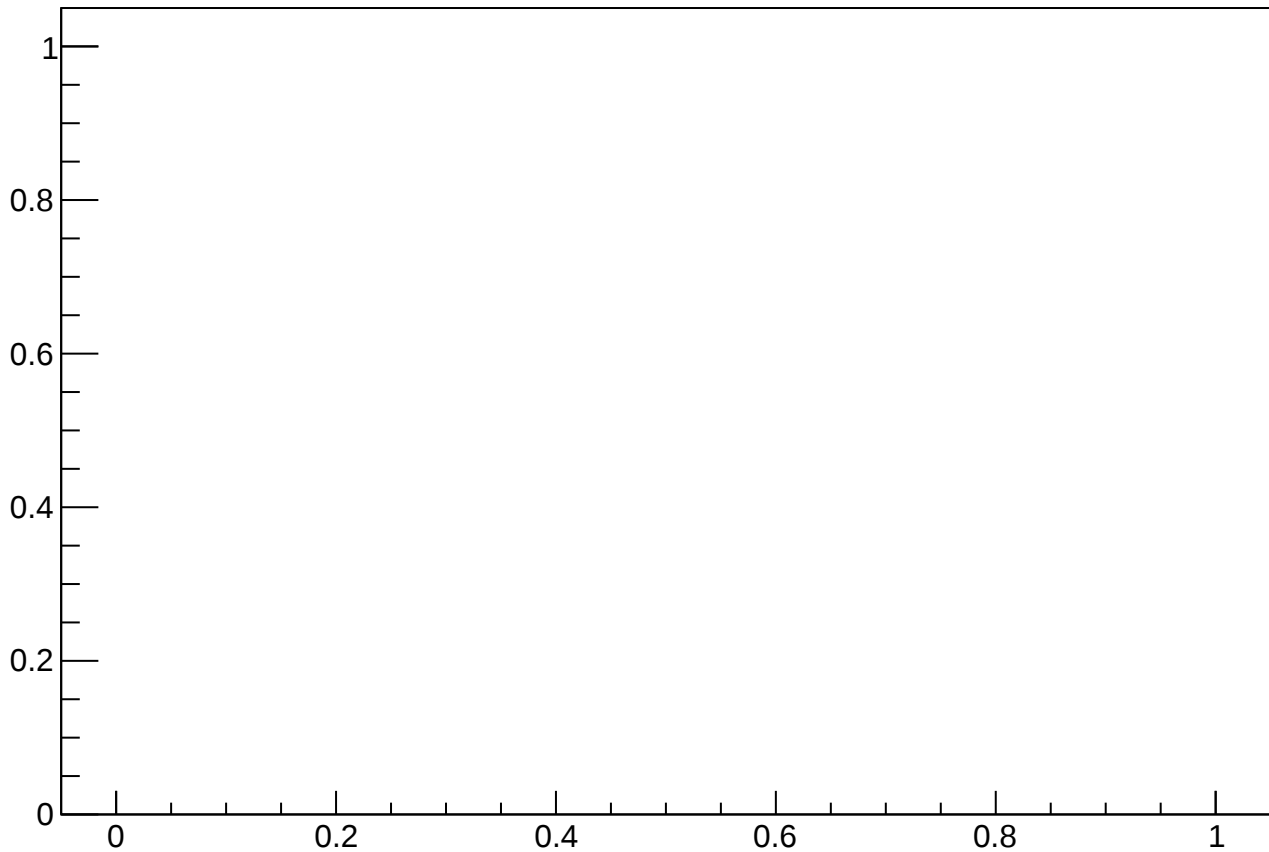
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_ds_agg_avg_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

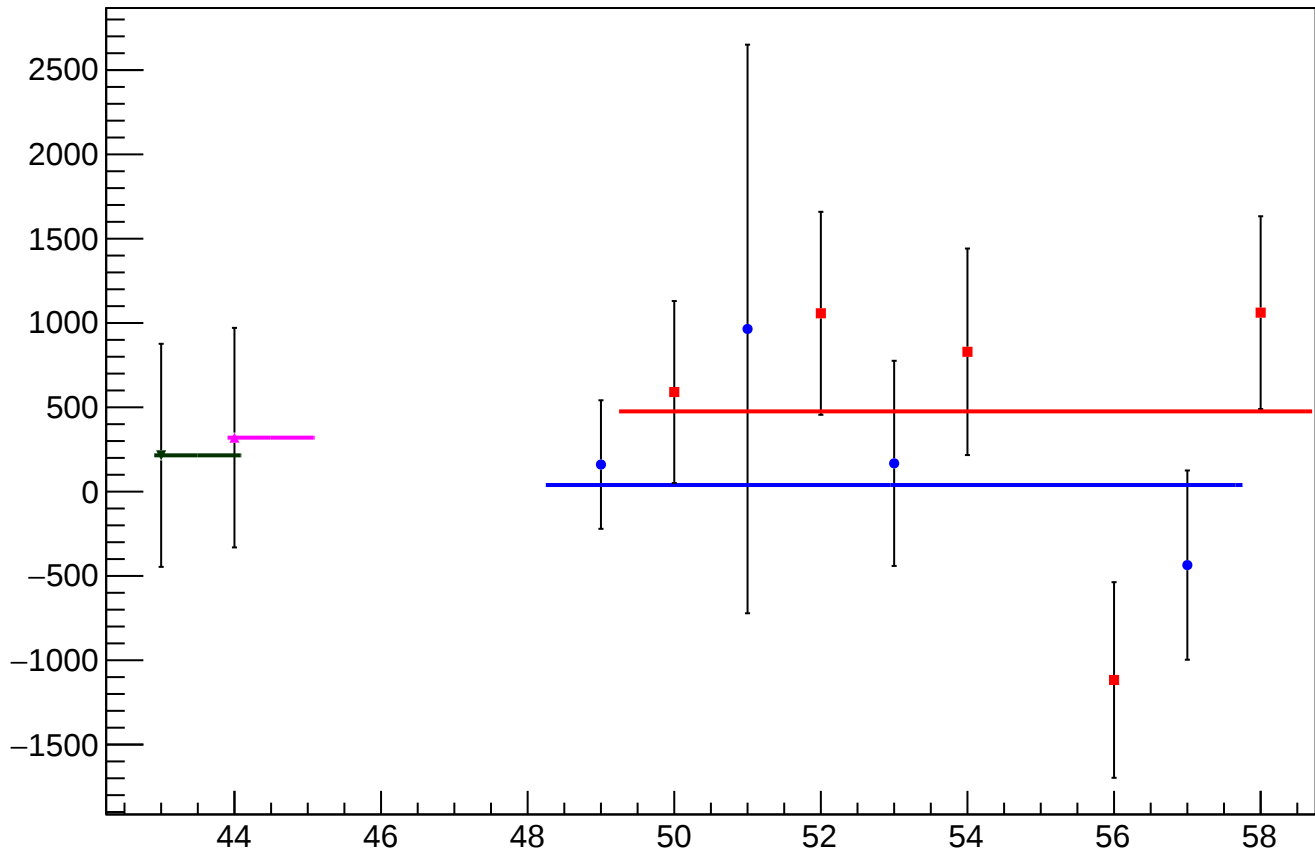
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

asym_ds_agg_dd_mean vs slug



Right In: 39.192 $\pm$ 276.158 χ^2 /NDF: 1.2/3

Left Out: 215.223 $\pm$ 661.440 χ^2 /NDF: 0.0/0

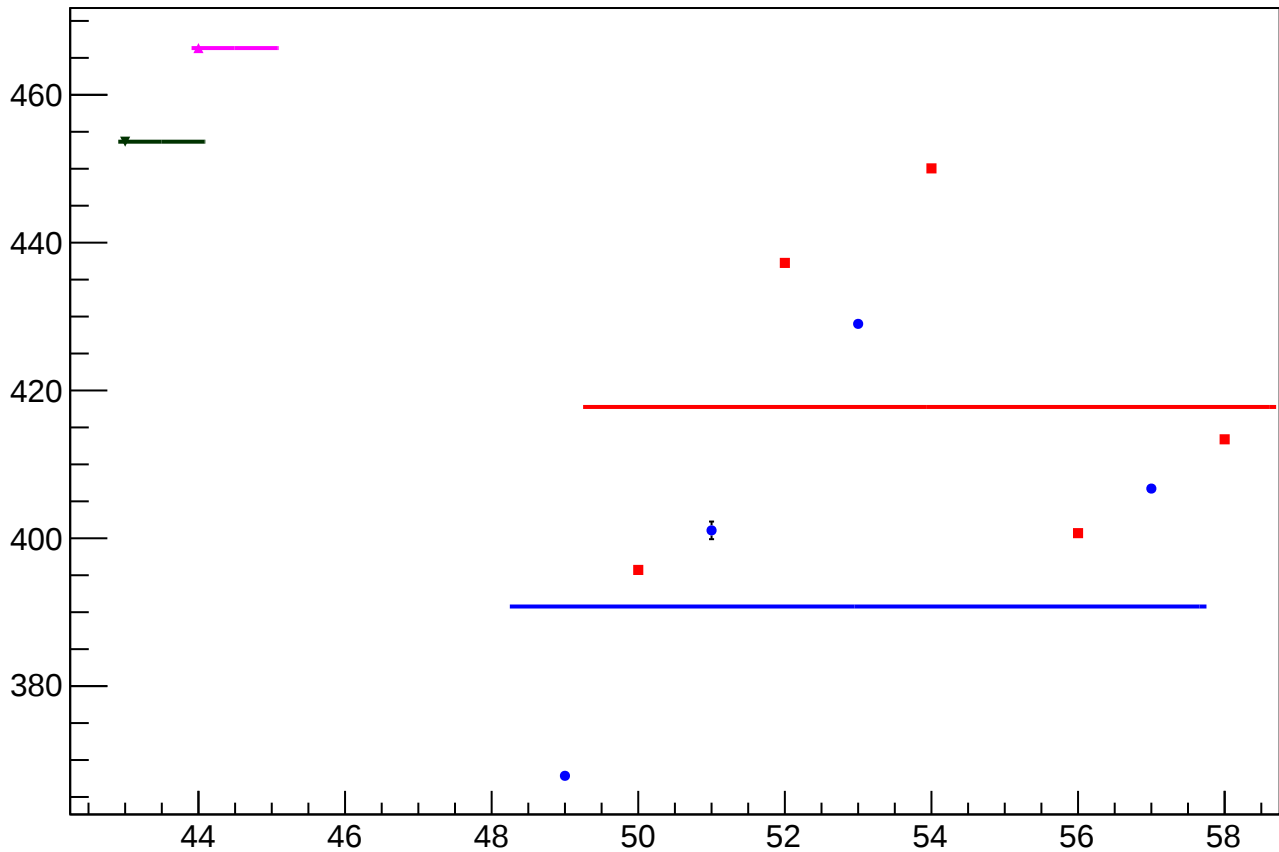
Right Out: 475.868 $\pm$ 259.126 χ^2 /NDF: 9.9/4

Left In: 320.160 $\pm$ 651.039 χ^2 /NDF: 0.0/0

65.322 $\pm$ 254.838 χ^2 /NDF: 1.2/4

454.574 $\pm$ 240.756 χ^2 /NDF: 10.0/5

asym_ds_agg_dd_rms vs slug



Right In: 390.770 ± 0.195 $\chi^2/\text{NDF}: 16819.4/3$

Left Out: 453.660 ± 0.468 $\chi^2/\text{NDF}: 0.0/0$

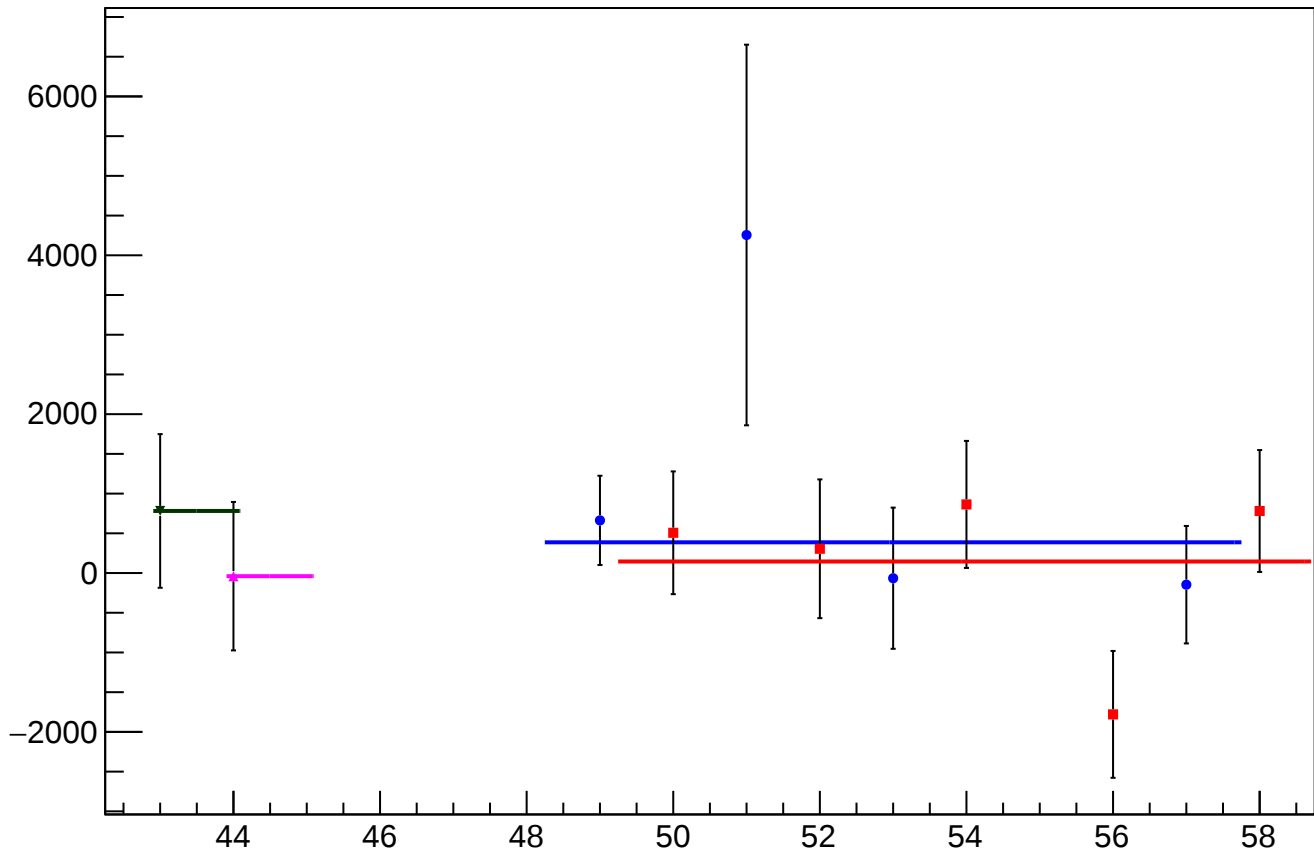
Right Out: 417.769 ± 0.183 $\chi^2/\text{NDF}: 12842.2/4$

Left In: 466.327 ± 0.460 $\chi^2/\text{NDF}: 0.0/0$

400.105 ± 0.180 $\chi^2/\text{NDF}: 32216.1/4$

424.410 ± 0.170 $\chi^2/\text{NDF}: 22446.4/5$

asym_left_agg_avg_mean vs slug



Right In: 386.755+/-394.170 χ^2/NDF : 3.6/3

Left Out: 781.614+/-967.286 χ^2/NDF : 0.0/0

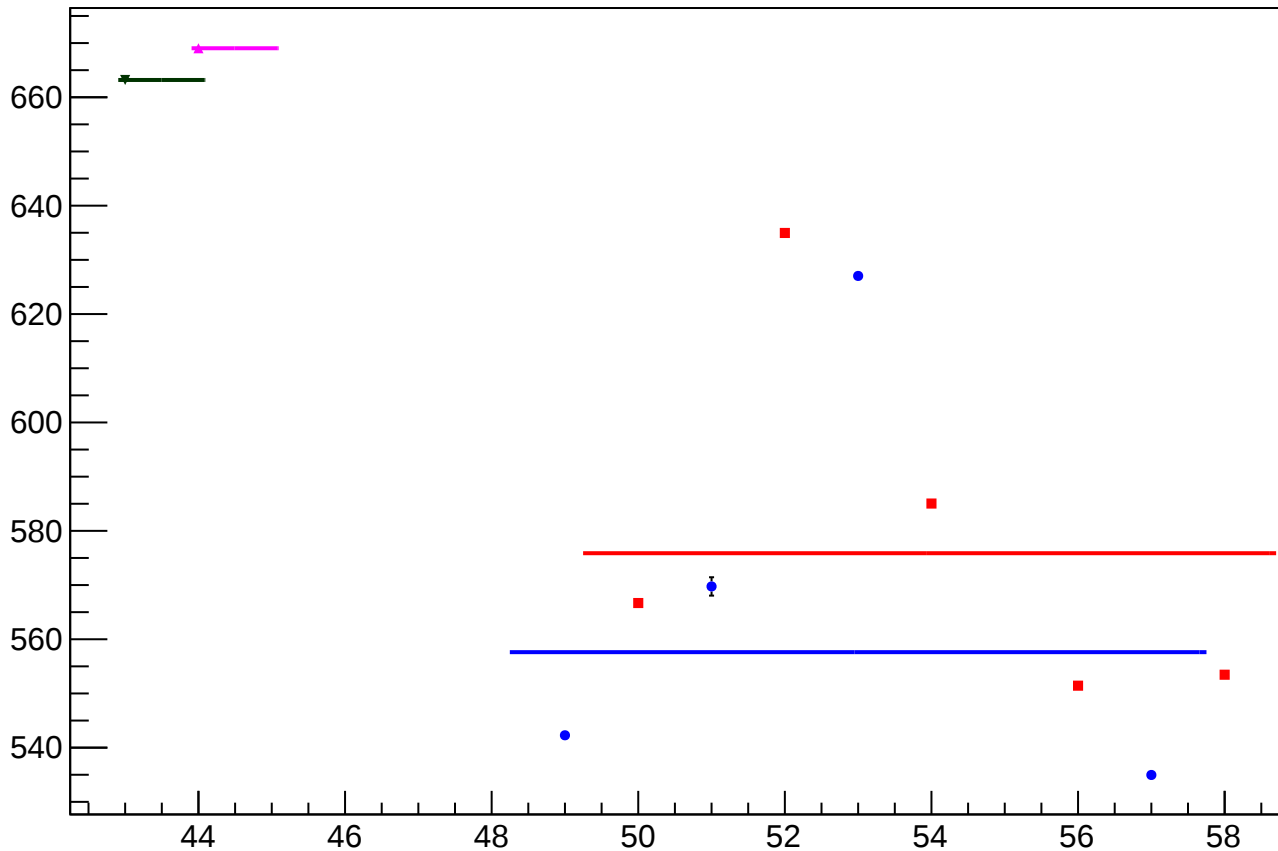
Right Out: 145.335+/-357.651 χ^2/NDF : 7.6/4

Left In: -39.508+/-934.410 χ^2/NDF : 0.0/0

442.987+/-365.026 χ^2/NDF : 3.8/4

121.716+/-334.020 χ^2/NDF : 7.6/5

asym_left_agg_avg_rms vs slug



Right In: 557.620 ± 0.279 $\chi^2/\text{NDF}: 15621.6/3$

Left Out: 663.190 ± 0.684 $\chi^2/\text{NDF}: 0.0/0$

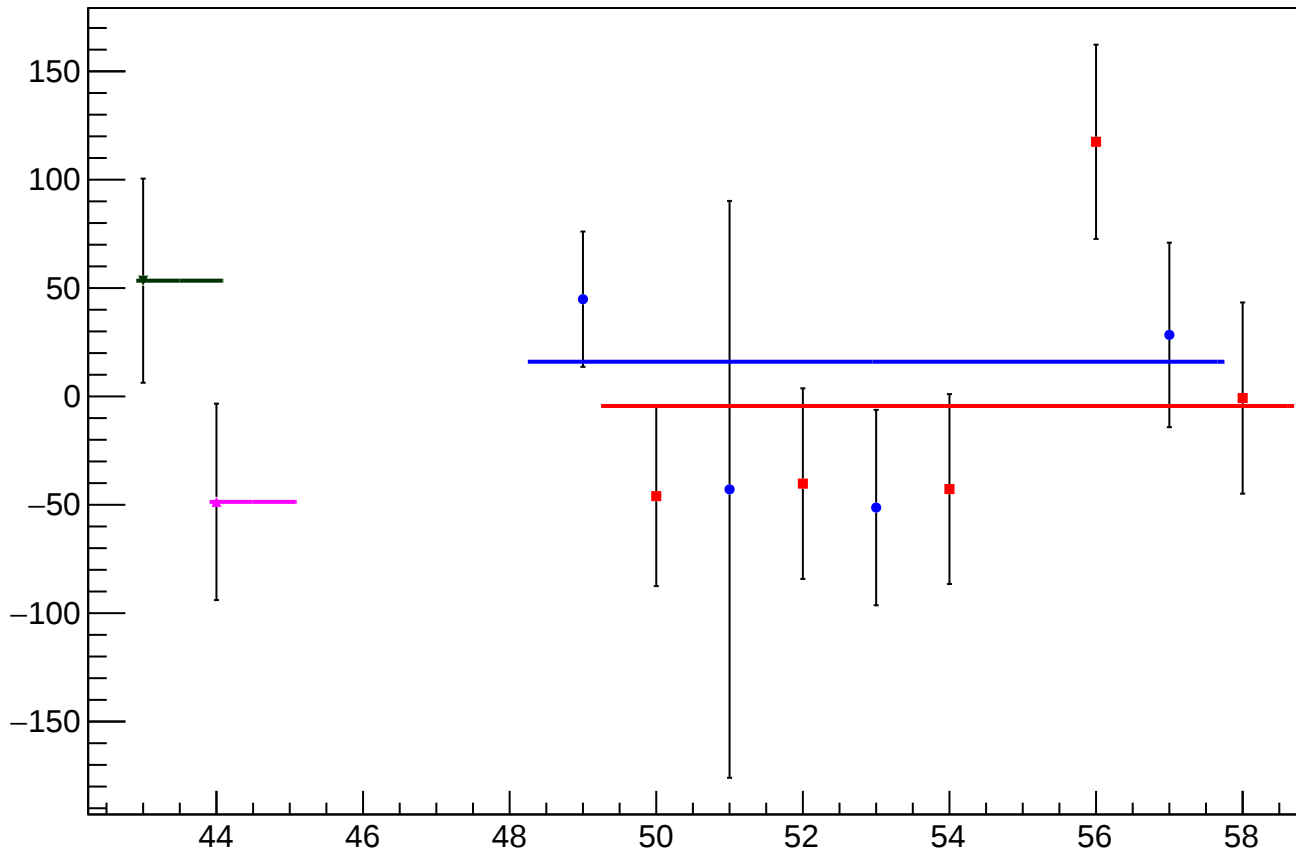
Right Out: 575.876 ± 0.253 $\chi^2/\text{NDF}: 13284.5/4$

Left In: 669.043 ± 0.661 $\chi^2/\text{NDF}: 0.0/0$

572.654 ± 0.258 $\chi^2/\text{NDF}: 36052.1/4$

587.781 ± 0.236 $\chi^2/\text{NDF}: 30626.9/5$

asym_left_agg_dd_mean vs slug



Right In: 16.010 $\pm$ 21.682 χ^2/NDF : 3.4/3

Left Out: 53.407 $\pm$ 47.084 χ^2/NDF : 0.0/0

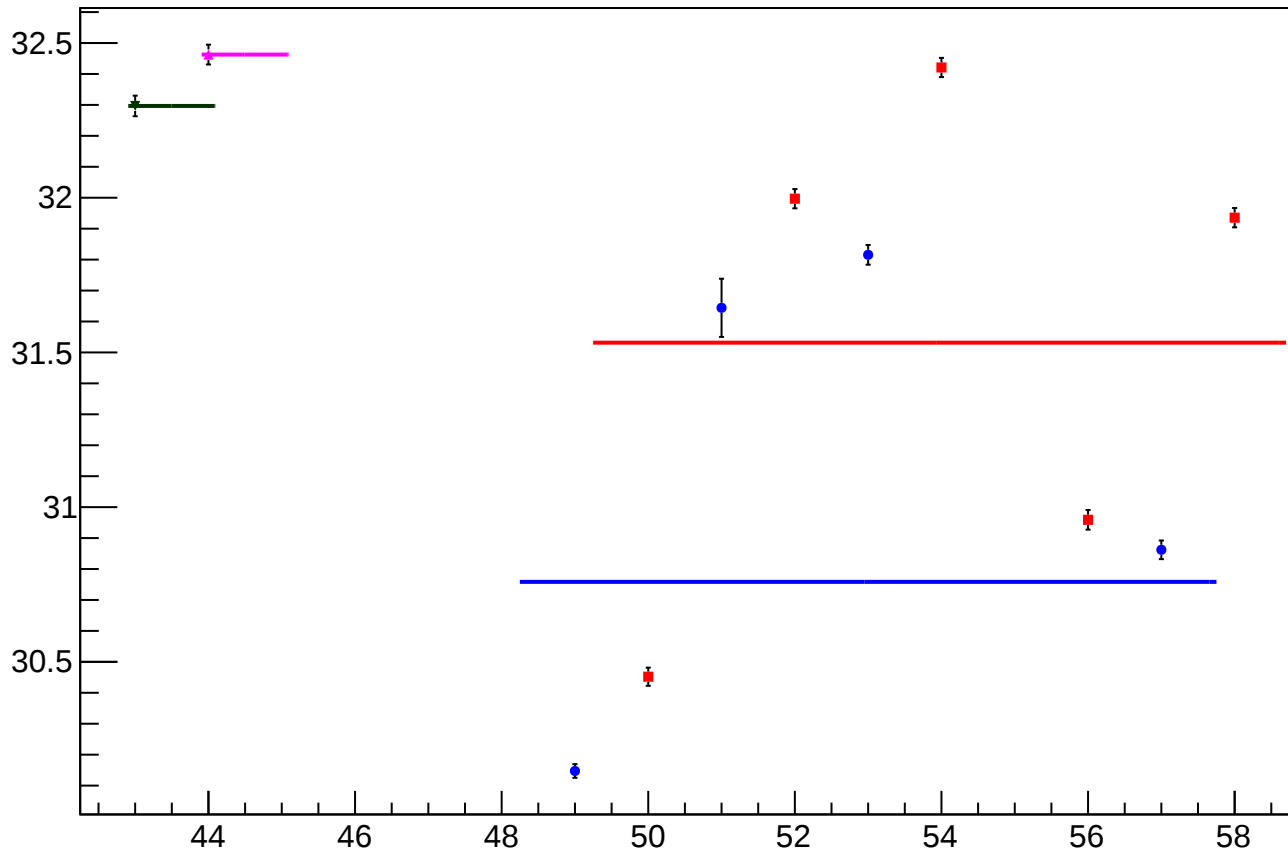
Right Out: -4.424 $\pm$ 19.498 χ^2/NDF : 9.8/4

Left In: -48.651 $\pm$ 45.318 χ^2/NDF : 0.0/0

22.553 $\pm$ 19.694 χ^2/NDF : 3.9/4

-11.332 $\pm$ 17.911 χ^2/NDF : 10.6/5

asym_left_agg_dd_rms vs slug



Right In: 30.758 $\pm$ 0.015 χ^2 /NDF: 1967.4/3

Left Out: 32.297 $\pm$ 0.033 χ^2 /NDF: 0.0/0

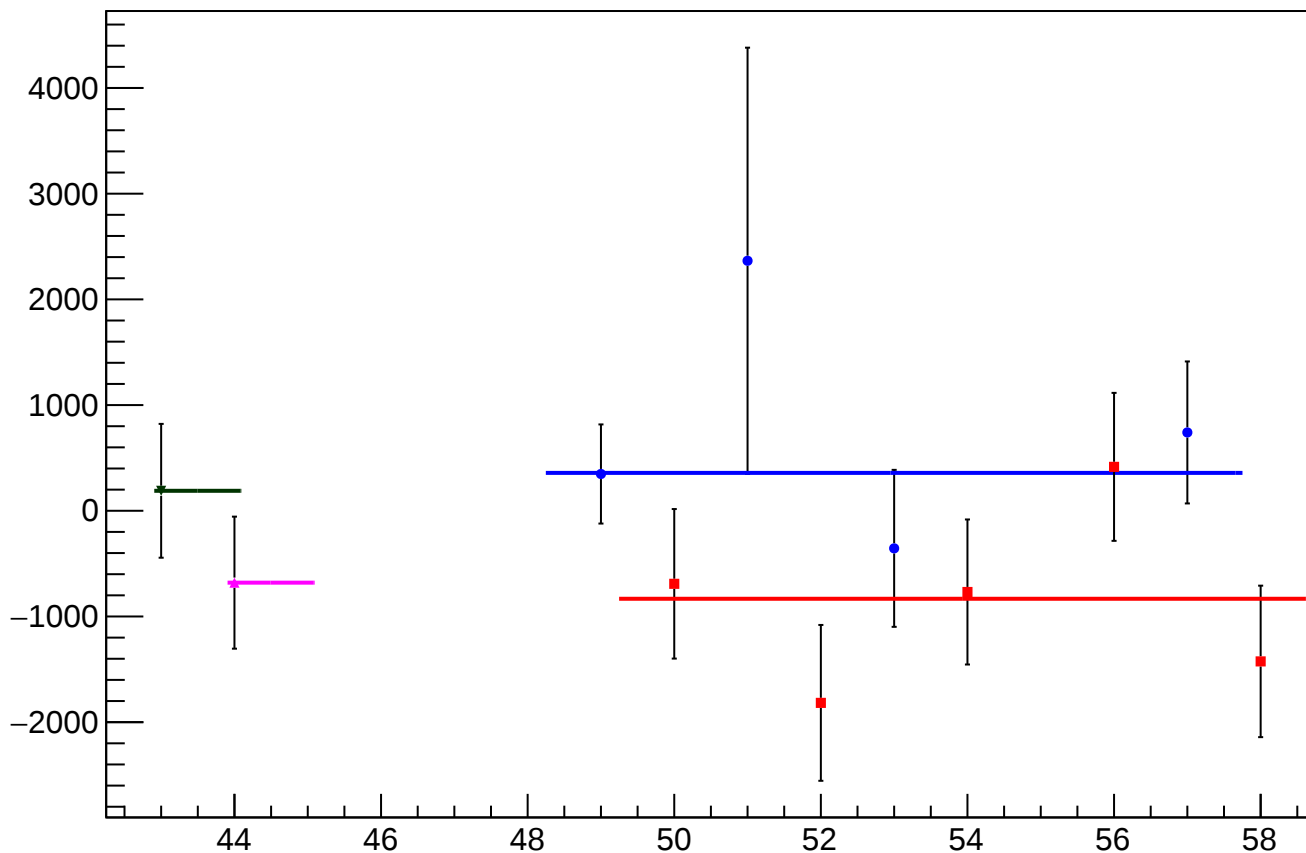
Right Out: 31.532 $\pm$ 0.014 χ^2 /NDF: 2895.2/4

Left In: 32.463 $\pm$ 0.032 χ^2 /NDF: 0.0/0

31.028 $\pm$ 0.014 χ^2 /NDF: 3728.3/4

31.677 $\pm$ 0.013 χ^2 /NDF: 3607.5/5

asym_right_agg_avg_mean vs slug



Right In: 358.434 $\pm$ 336.635 χ^2/NDF : 2.2/3

Left Out: 188.983 $\pm$ 633.036 χ^2/NDF : 0.0/0

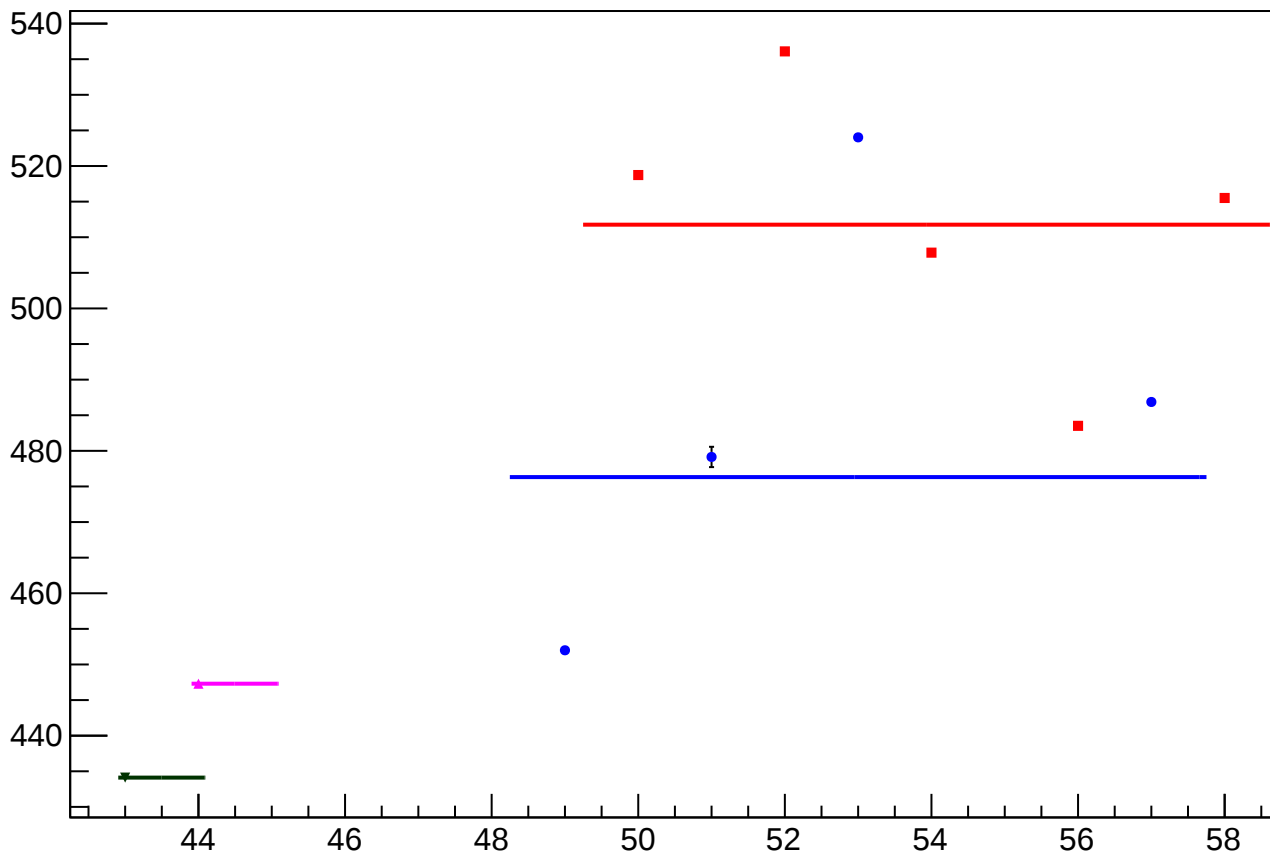
Right Out: -832.462 $\pm$ 316.996 χ^2/NDF : 5.7/4

Left In: -680.012 $\pm$ 624.573 χ^2/NDF : 0.0/0

321.079 $\pm$ 297.223 χ^2/NDF : 2.3/4

-801.235 $\pm$ 282.672 χ^2/NDF : 5.7/5

asym_right_agg_avg_rms vs slug



Right In: 476.315+/-0.238 χ^2/NDF : 14134.2/3

Left Out: 434.112+/-0.448 χ^2/NDF : 0.0/0

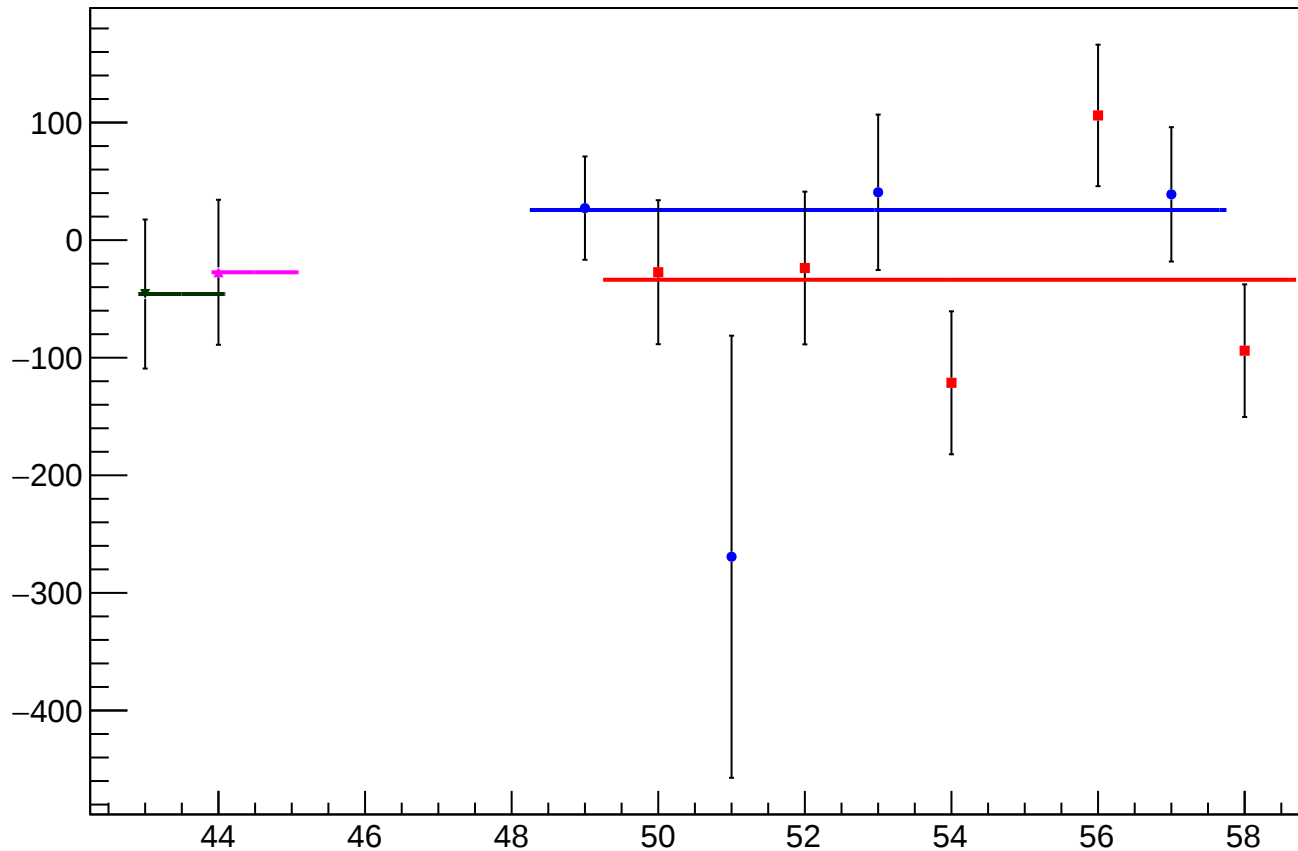
Right Out: 511.762+/-0.224 χ^2/NDF : 5752.4/4

Left In: 447.301+/-0.442 χ^2/NDF : 0.0/0

467.012+/-0.210 χ^2/NDF : 21063.8/4

498.558+/-0.200 χ^2/NDF : 22692.9/5

asym_right_agg_dd_mean vs slug



Right In: 25.633+/-30.402 χ^2/NDF : 2.6/3

Left Out: -45.823+/-63.374 χ^2/NDF : 0.0/0

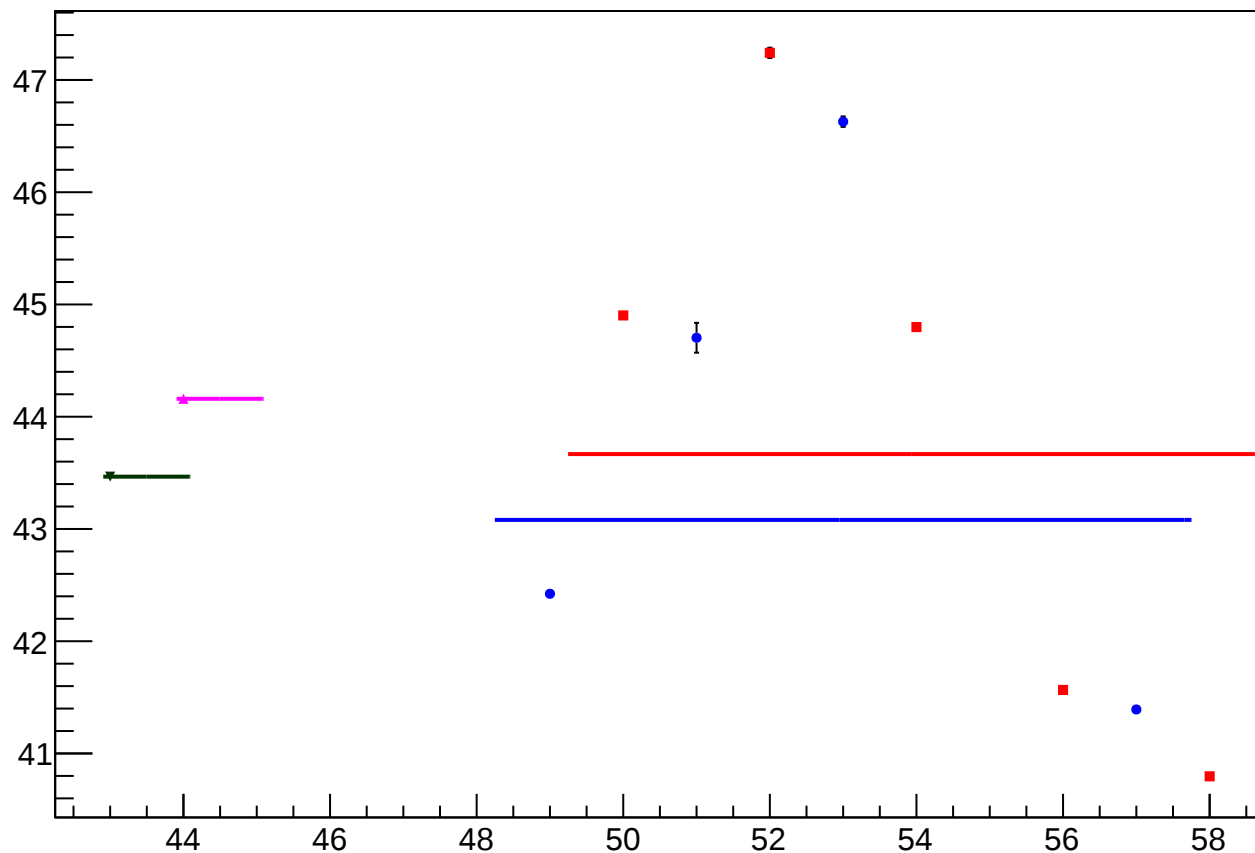
Right Out: -33.697+/-27.065 χ^2/NDF : 8.7/4

Left In: -27.346+/-61.656 χ^2/NDF : 0.0/0

12.264+/-27.411 χ^2/NDF : 3.6/4

-32.671+/-24.782 χ^2/NDF : 8.7/5

asym_right_agg_dd_rms vs slug



Right In: 43.081 $\pm$ 0.021 χ^2 /NDF: 8113.6/3

Left Out: 43.466 $\pm$ 0.045 χ^2 /NDF: 0.0/0

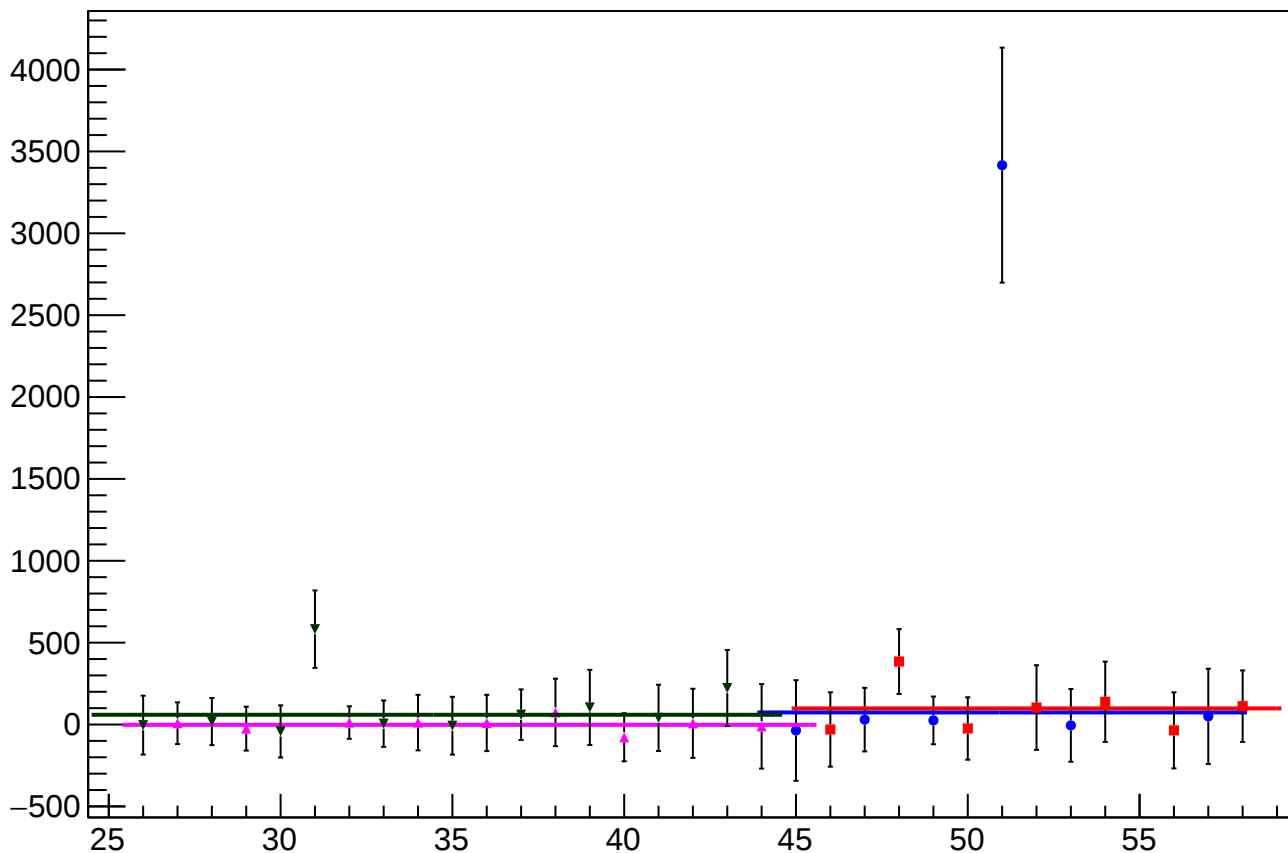
Right Out: 43.667 $\pm$ 0.019 χ^2 /NDF: 15189.8/4

Left In: 44.160 $\pm$ 0.044 χ^2 /NDF: 0.0/0

43.153 $\pm$ 0.019 χ^2 /NDF: 8173.6/4

43.747 $\pm$ 0.018 χ^2 /NDF: 15296.8/5

asym_bcm_an_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 73.757+/-91.950 $\chi^2/\text{NDF}: 22.1/5$

Left Out: 59.489+/-55.719 $\chi^2/\text{NDF}: 6.3/9$

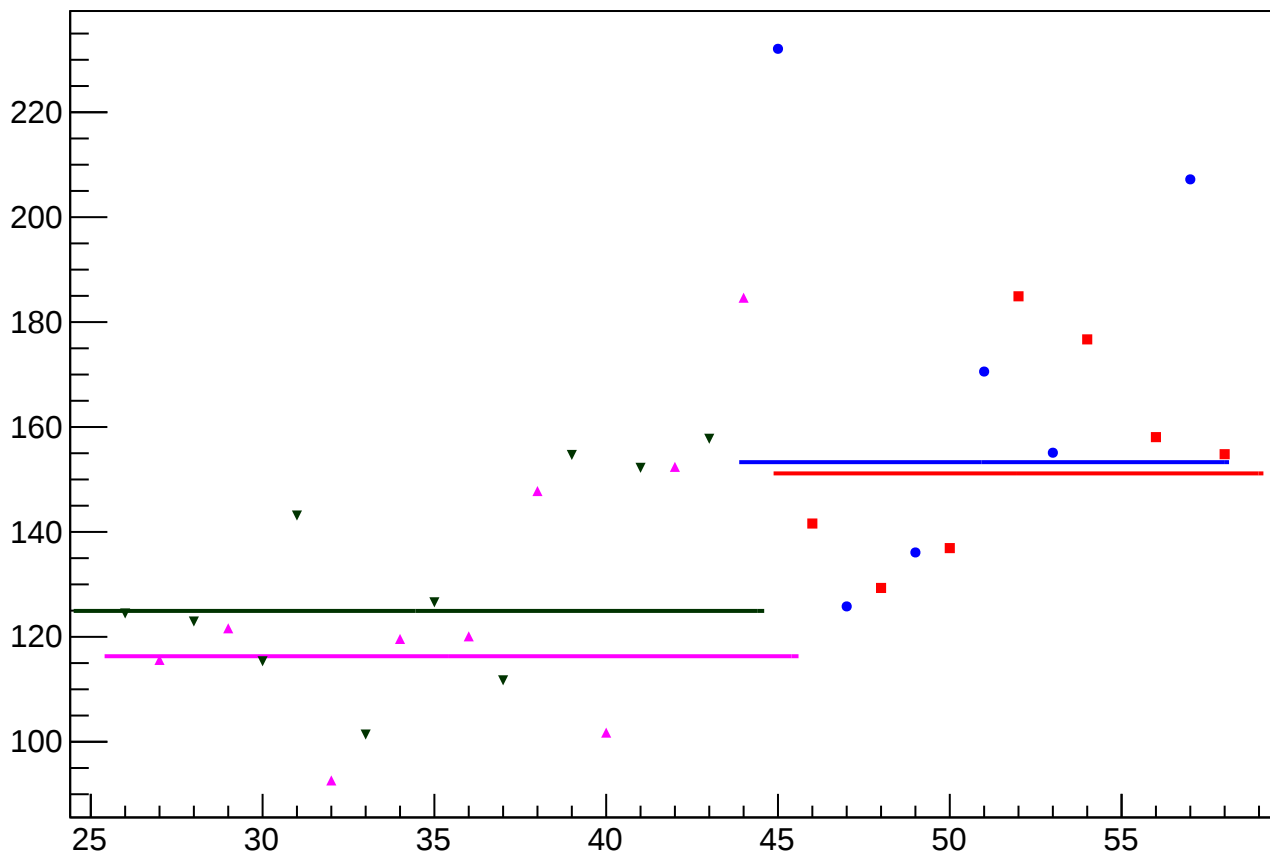
Right Out: 98.331+/-83.461 $\chi^2/\text{NDF}: 3.2/6$

Left In: -2.017+/-50.338 $\chi^2/\text{NDF}: 0.5/8$

63.321+/-47.653 $\chi^2/\text{NDF}: 28.5/15$

24.750+/-43.105 $\chi^2/\text{NDF}: 4.7/15$

asym_bcm_an_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 153.301 $\pm$ 0.065 χ^2 /NDF: 269539.7/5

Left Out: 124.943 $\pm$ 0.039 χ^2 /NDF:199383.4/9

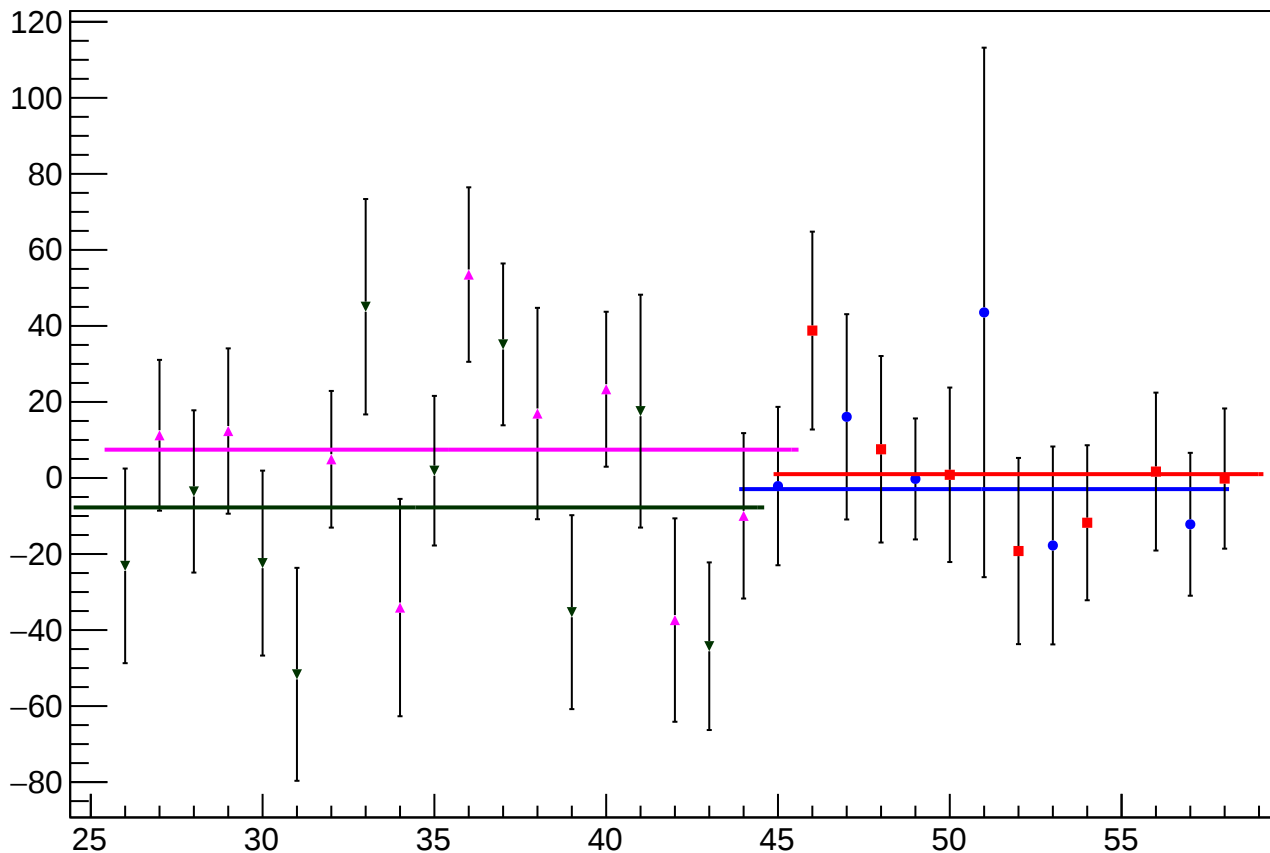
Right Out: 151.157 $\pm$ 0.059 χ^2 /NDF: 97186.9/6

Left In: 116.307 $\pm$ 0.036 χ^2 /NDF:383885.3/8

132.560 $\pm$ 0.034 χ^2 /NDF: 608055.1/15

125.603 $\pm$ 0.030 χ^2 /NDF: 736763.9/15

asym_bcm_an_us_bcm_an_ds_agg_dd_mean vs slug



Right In: -2.925 ± 9.077 $\chi^2/\text{NDF}: 1.5/5$

Left Out: -7.744 ± 7.585 $\chi^2/\text{NDF}: 15.6/9$

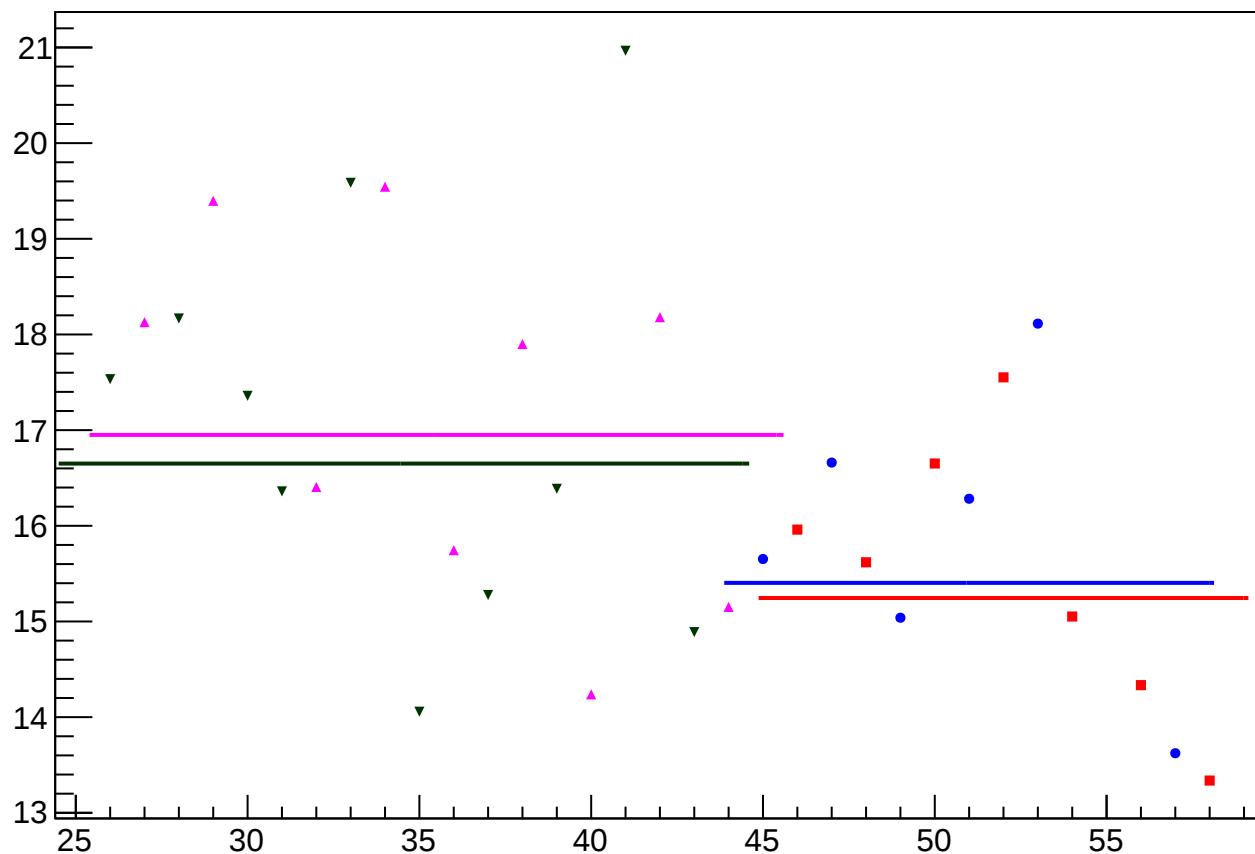
Right Out: 1.011 ± 8.343 $\chi^2/\text{NDF}: 3.3/6$

Left In: 7.449 ± 7.436 $\chi^2/\text{NDF}: 10.4/8$

-5.763 ± 5.820 $\chi^2/\text{NDF}: 17.3/15$

4.599 ± 5.551 $\chi^2/\text{NDF}: 14.0/15$

asym_bcm_an_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 15.403 $\pm$ 0.006 χ^2 /NDF: 45616.3/5

Left Out: 16.650 $\pm$ 0.005 χ^2 /NDF:131585.8/9

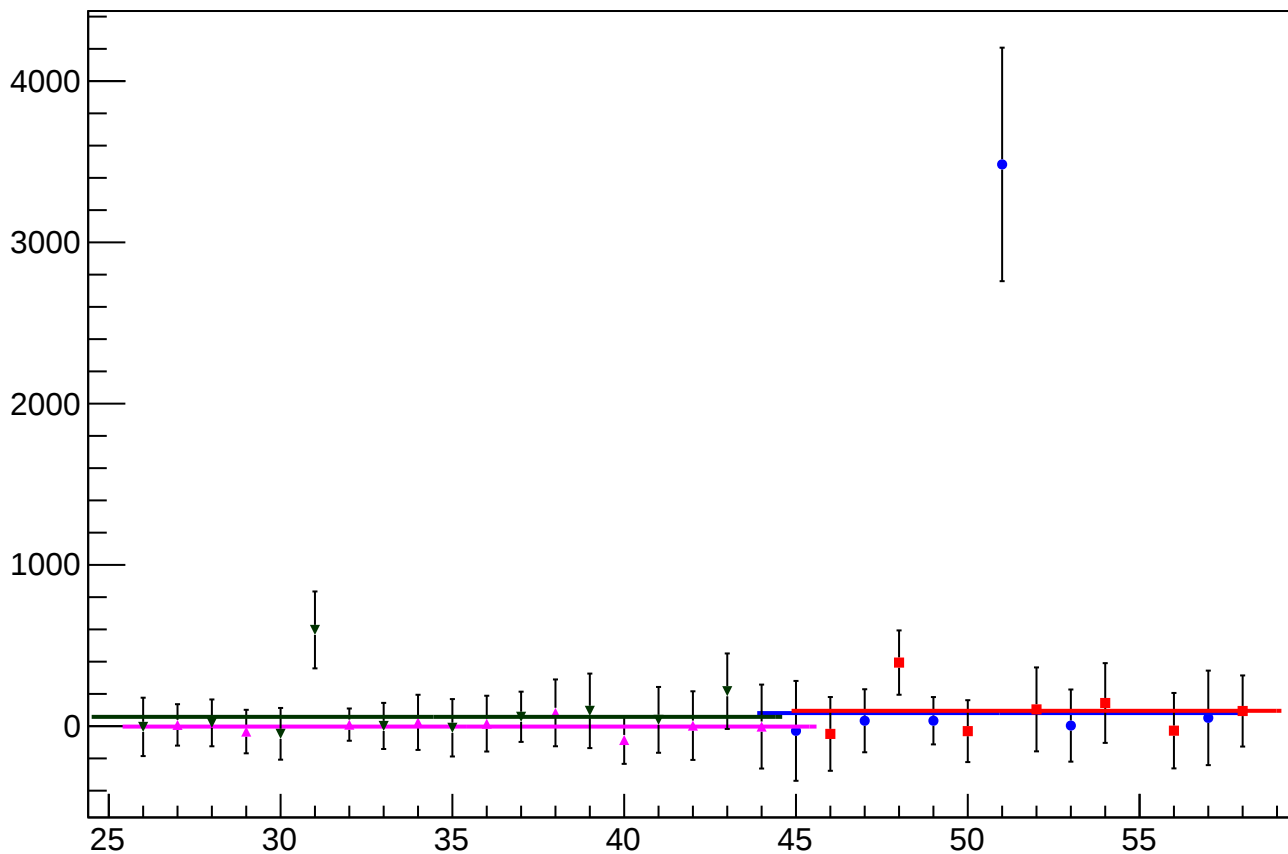
Right Out: 15.246 $\pm$ 0.006 χ^2 /NDF: 52644.3/6

Left In: 16.950 $\pm$ 0.005 χ^2 /NDF:111842.2/8

16.138 $\pm$ 0.004 χ^2 /NDF: 199425.5/15

16.195 $\pm$ 0.004 χ^2 /NDF: 211001.8/15

asym_bcm_an_us_bcm_an_ds3_agg_avg_mean vs slug



Right In: 81.147+/-92.637 χ^2/NDF : 22.5/5

Left Out: 57.736+/-56.149 χ^2/NDF : 6.5/9

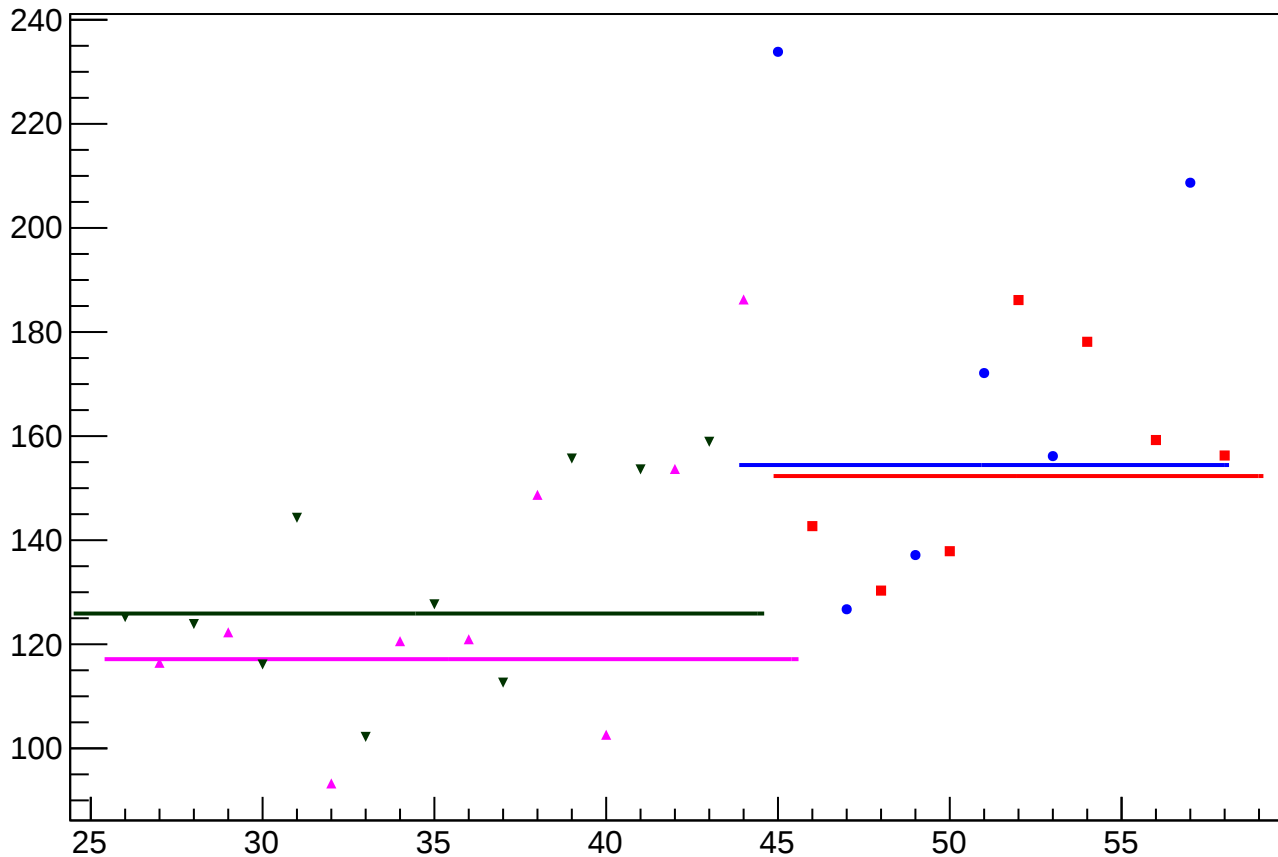
Right Out: 95.244+/-84.104 χ^2/NDF : 3.4/6

Left In: -2.605+/-50.703 χ^2/NDF : 0.6/8

64.026+/-48.018 χ^2/NDF : 29.1/15

23.478+/-43.422 χ^2/NDF : 5.0/15

asym_bcm_an_us_bcm_an_ds3_agg_avg_rms vs slug



Right In: 154.443 $\pm$ 0.066 χ^2 /NDF: 269361.2/5

Left Out: 125.907 $\pm$ 0.040 χ^2 /NDF:199353.5/9

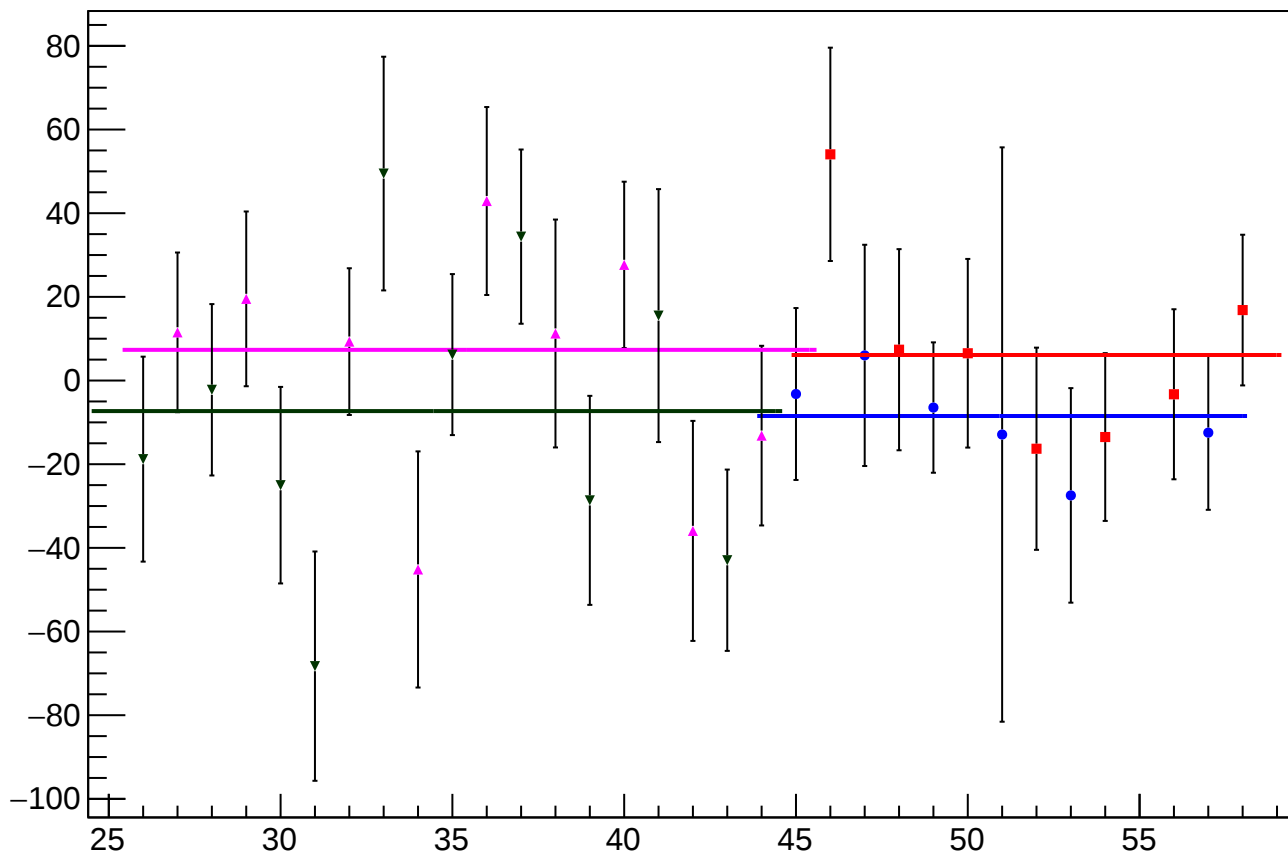
Right Out: 152.325 $\pm$ 0.059 χ^2 /NDF: 97167.9/6

Left In: 117.138 $\pm$ 0.036 χ^2 /NDF:384637.6/8

133.574 $\pm$ 0.034 χ^2 /NDF: 607503.9/15

126.517 $\pm$ 0.031 χ^2 /NDF: 738555.6/15

asym_bcm_an_us_bcm_an_ds3_agg_dd_mean vs slug



Right In: -8.479+/-8.913 χ^2/NDF : 1.0/5

Left Out: -7.303+/-7.391 χ^2/NDF : 18.4/9

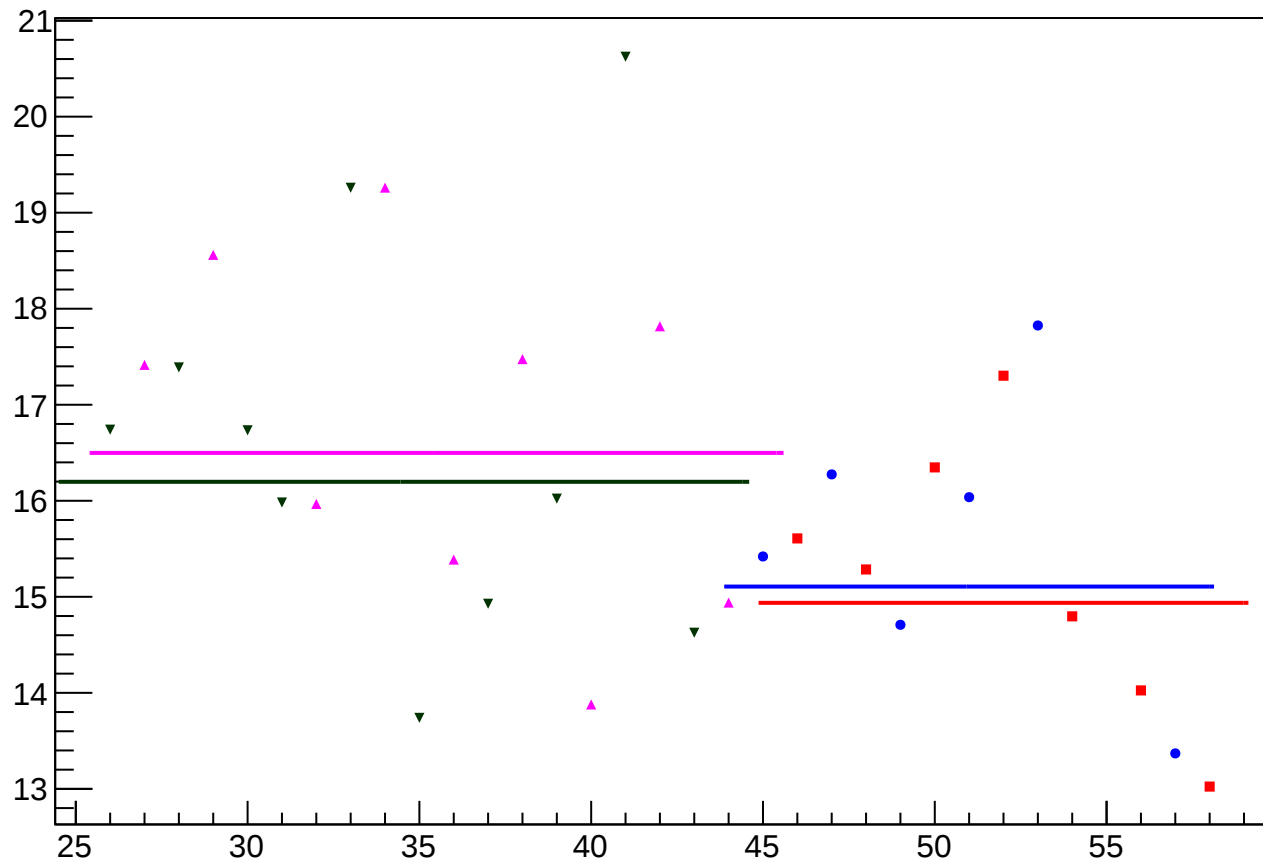
Right Out: 6.106+/-8.182 χ^2/NDF : 5.9/6

Left In: 7.338+/-7.251 χ^2/NDF : 11.1/8

-7.782+/-5.689 χ^2/NDF : 19.4/15

6.796+/-5.427 χ^2/NDF : 17.0/15

asym_bcm_an_us_bcm_an_ds3_agg_dd_rms vs slug



Right In: 15.107 $\pm$ 0.006 χ^2 /NDF: 46261.5/5

Left Out: 16.198 $\pm$ 0.005 χ^2 /NDF:126492.9/9

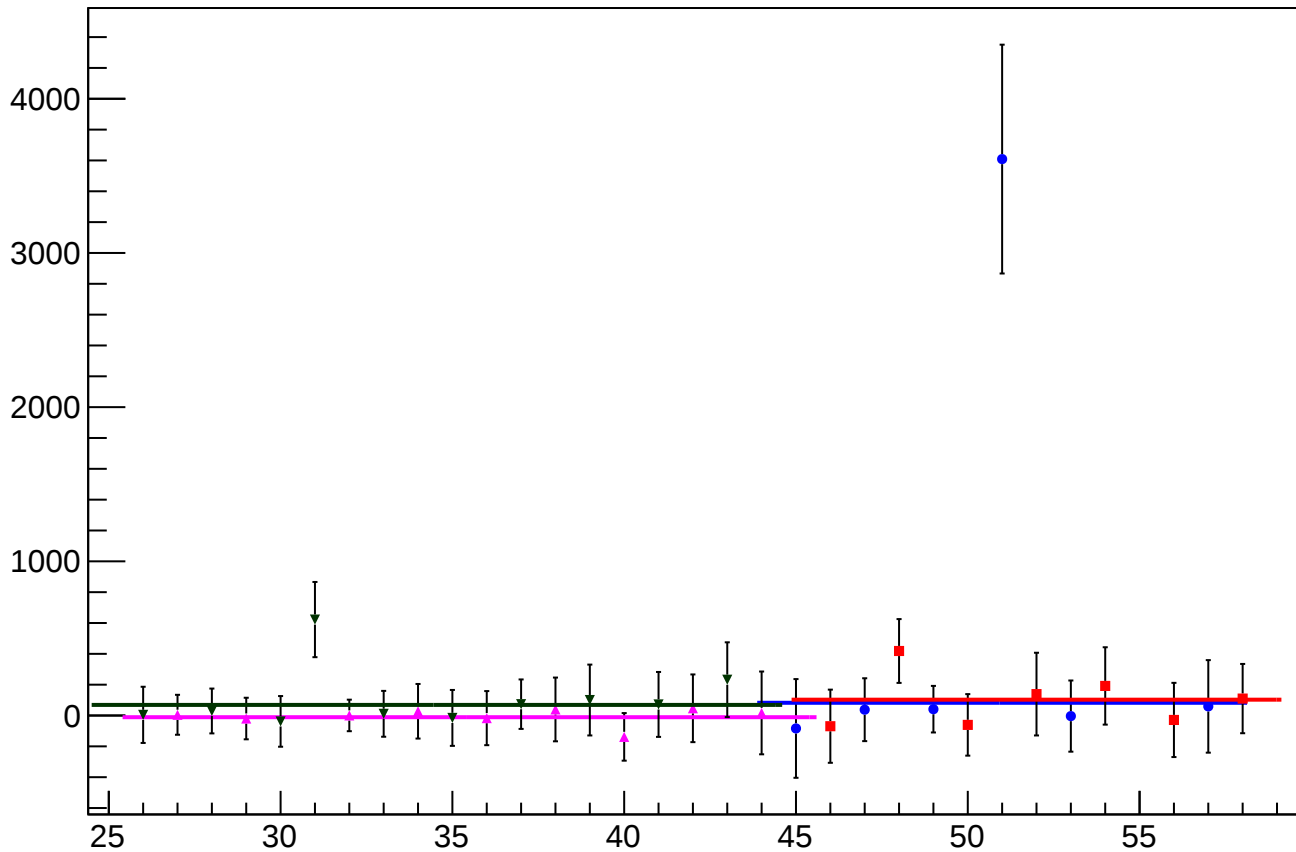
Right Out: 14.937 $\pm$ 0.006 χ^2 /NDF: 55481.2/6

Left In: 16.499 $\pm$ 0.005 χ^2 /NDF:102858.3/8

15.753 $\pm$ 0.004 χ^2 /NDF: 190509.2/15

15.812 $\pm$ 0.004 χ^2 /NDF: 199125.3/15

asym_bcm_dg_us_bcm_an_ds_agg_avg_mean vs slug



Right In: 82.615+/-95.633 χ^2/NDF : 23.1/5

Left Out: 68.786+/-57.328 χ^2/NDF : 6.6/9

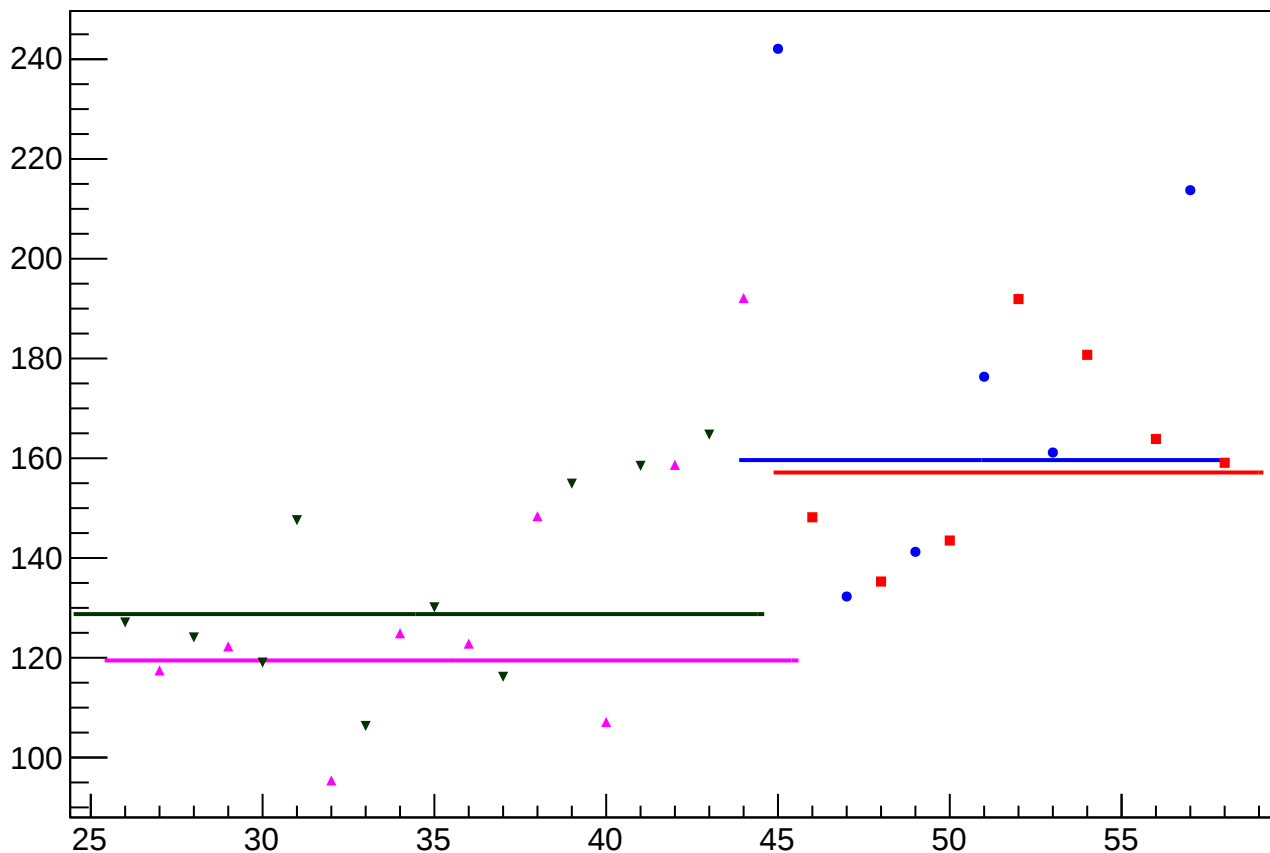
Right Out: 102.717+/-86.681 χ^2/NDF : 4.0/6

Left In: -10.941+/-51.660 χ^2/NDF : 0.9/8

72.442+/-49.170 χ^2/NDF : 29.7/15

18.848+/-44.377 χ^2/NDF : 6.1/15

asym_bcm_dg_us_bcm_an_ds_agg_avg_rms vs slug



Right In: 159.633+/-0.068 χ^2/NDF : 264448.8/5

Left Out: 128.755+/-0.041 χ^2/NDF : 188808.0/9

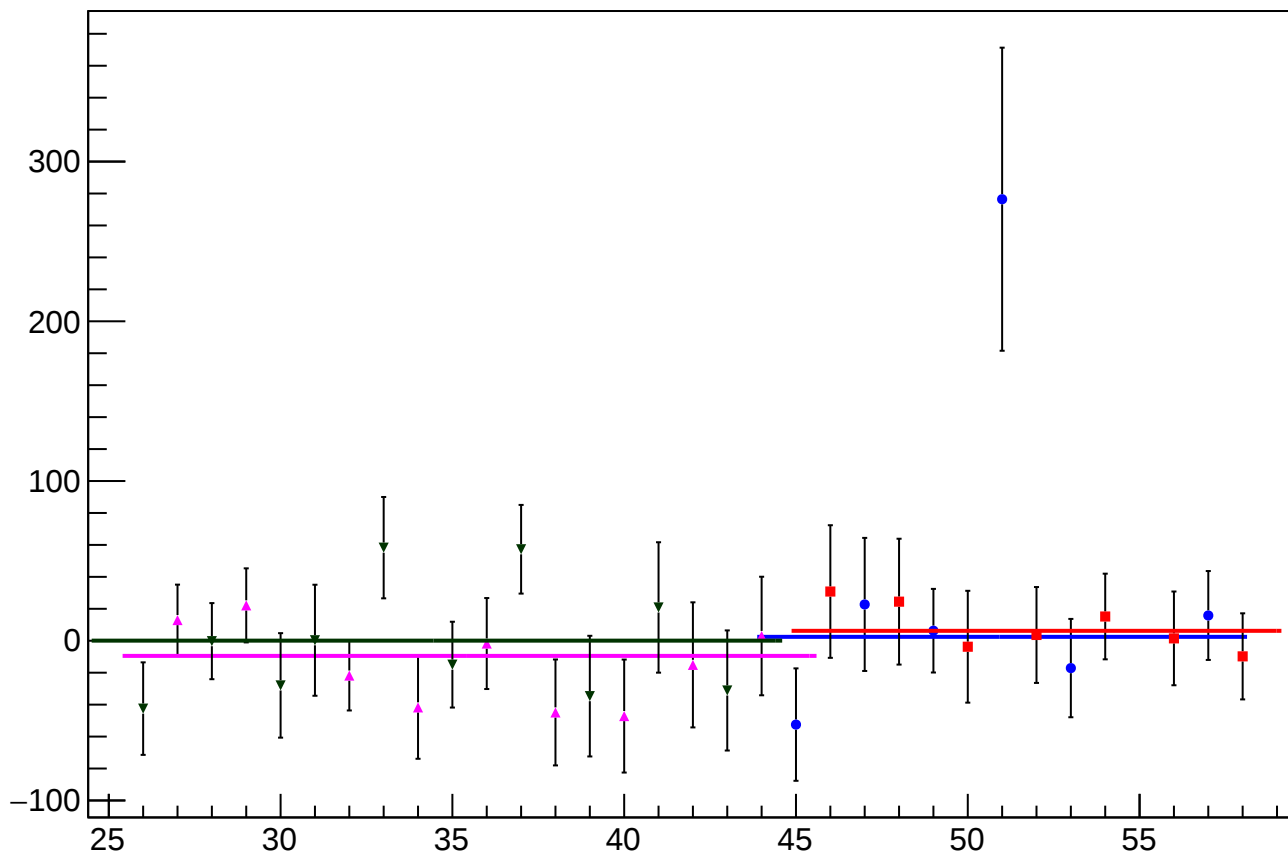
Right Out: 157.146+/-0.061 χ^2/NDF : 87530.1/6

Left In: 119.459+/-0.037 χ^2/NDF : 377012.5/8

136.918+/-0.035 χ^2/NDF : 606633.1/15

129.337+/-0.031 χ^2/NDF : 743509.7/15

asym_bcm_dg_us_bcm_an_ds_agg_dd_mean vs slug



Right In: 2.443 $\pm$ 13.735 χ^2 /NDF: 11.7/5

Left Out: 0.067 $\pm$ 9.805 χ^2 /NDF:12.6/9

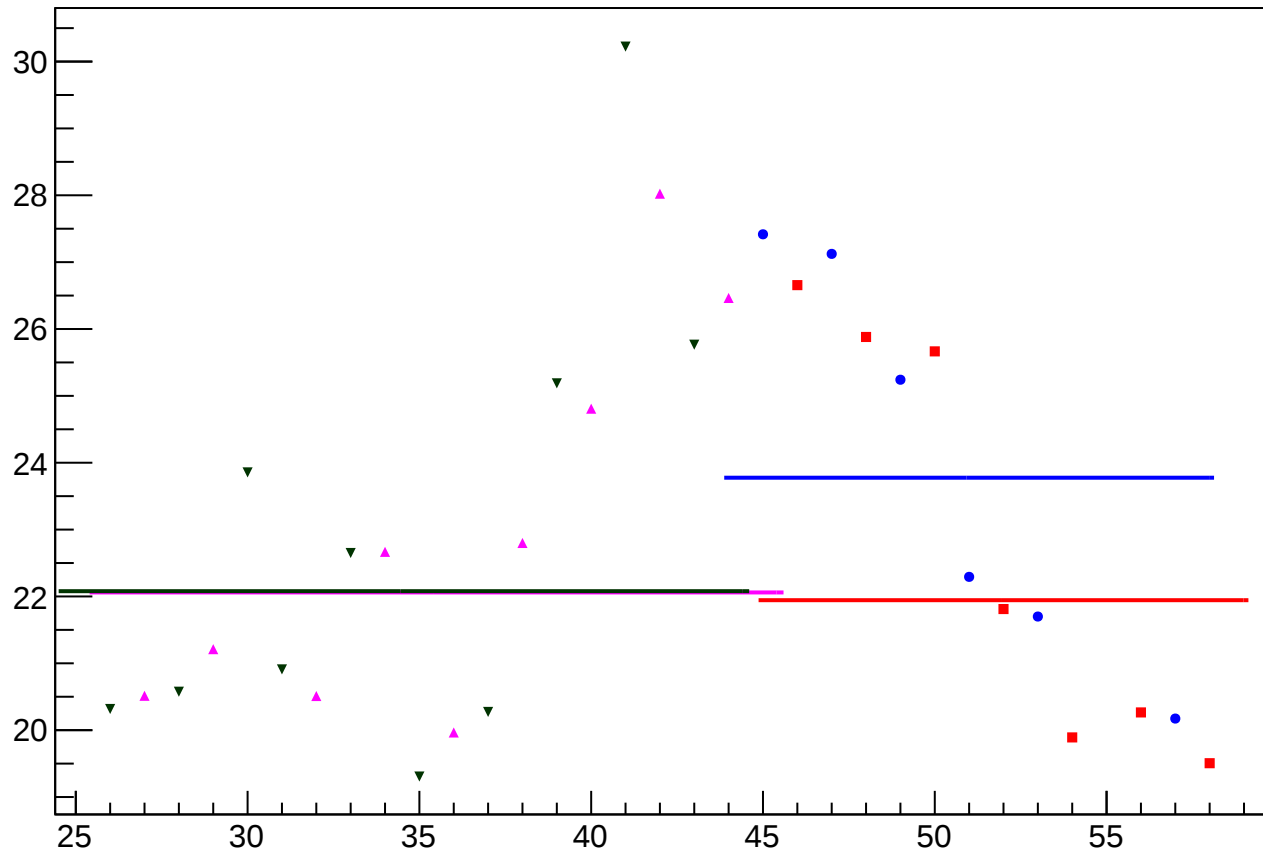
Right Out: 6.209 $\pm$ 11.885 χ^2 /NDF: 1.1/6

Left In: -9.482 $\pm$ 9.418 χ^2 /NDF:6.7/8

0.869 $\pm$ 7.980 χ^2 /NDF: 24.3/15

-3.429 $\pm$ 7.382 χ^2 /NDF: 8.9/15

asym_bcm_dg_us_bcm_an_ds_agg_dd_rms vs slug



Right In: 23.776+/-0.010 χ^2/NDF : 83691.1/5

Left Out: 22.079+/-0.007 χ^2/NDF : 166332.3/9

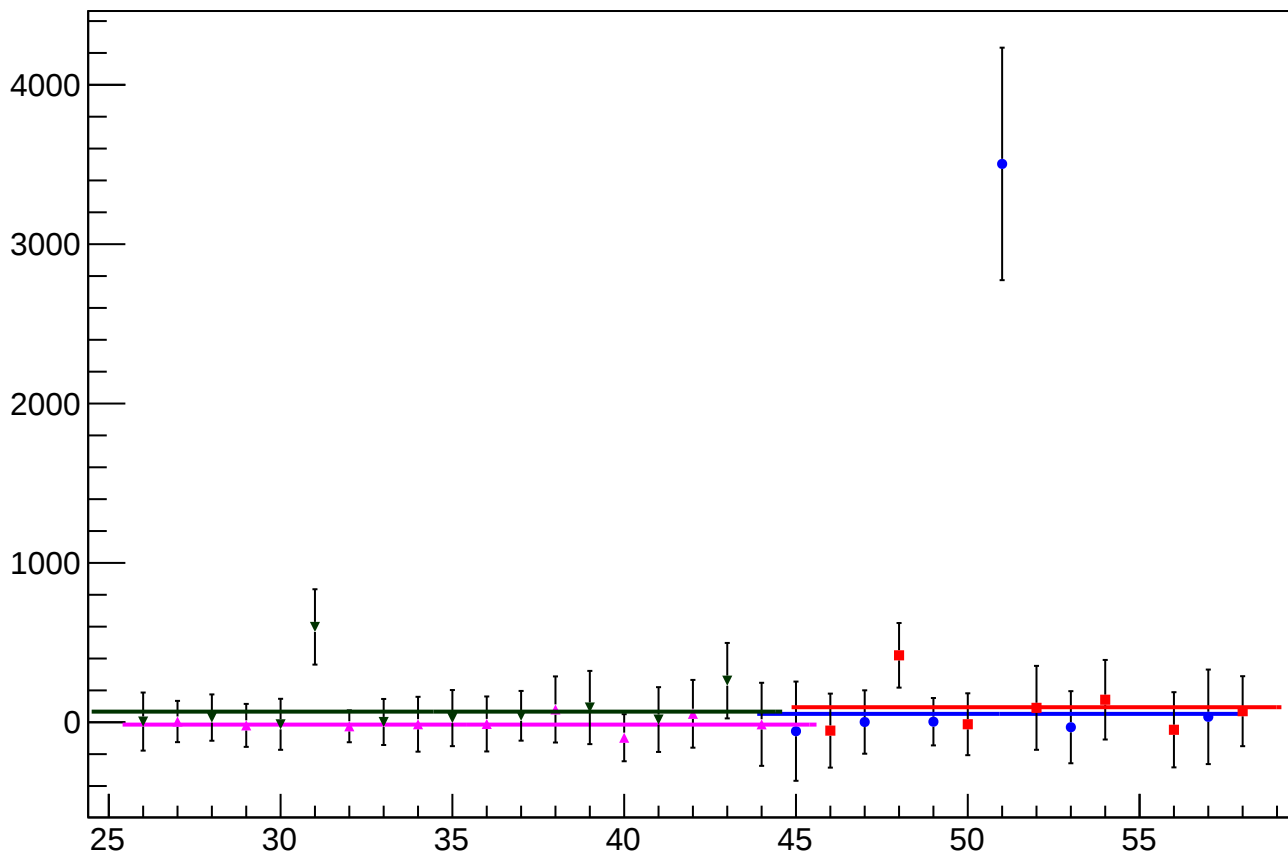
Right Out: 21.944+/-0.008 χ^2/NDF : 103013.6/6

Left In: 22.060+/-0.007 χ^2/NDF : 121609.5/8

22.652+/-0.006 χ^2/NDF : 270253.5/15

22.015+/-0.005 χ^2/NDF : 224739.8/15

asym_bcm_dg_ds_bcm_an_ds_agg_avg_mean vs slug



Right In: 52.701+/-93.810 χ^2/NDF : 22.8/5

Left Out: 66.787+/-56.199 χ^2/NDF : 6.5/9

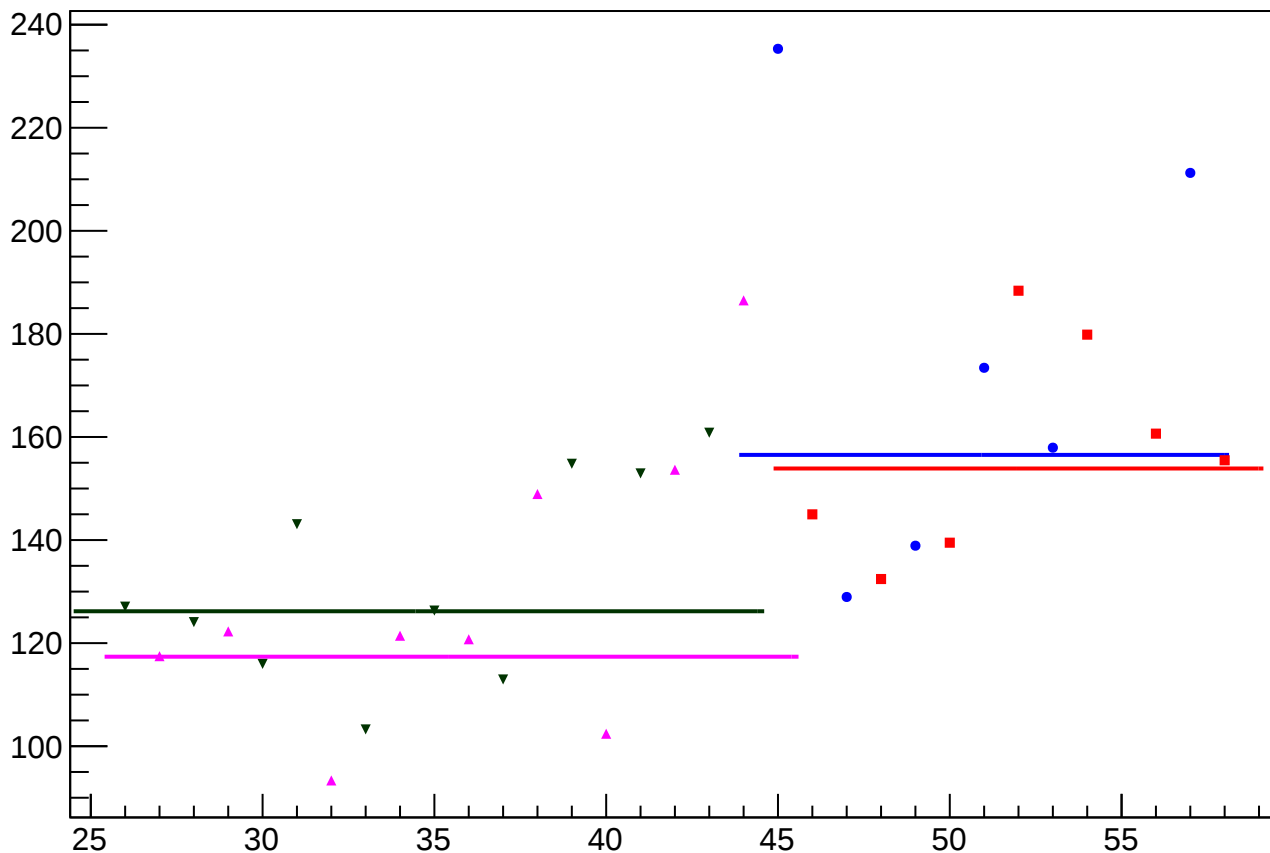
Right Out: 94.473+/-84.944 χ^2/NDF : 3.7/6

Left In: -14.653+/-50.783 χ^2/NDF : 0.7/8

63.067+/-48.210 χ^2/NDF : 29.3/15

14.080+/-43.587 χ^2/NDF : 5.6/15

asym_bcm_dg_ds_bcm_an_ds_agg_avg_rms vs slug



Right In: 156.525 $\pm$ 0.066 χ^2 /NDF: 263865.3/5

Left Out: 126.184 $\pm$ 0.040 χ^2 /NDF:192128.0/9

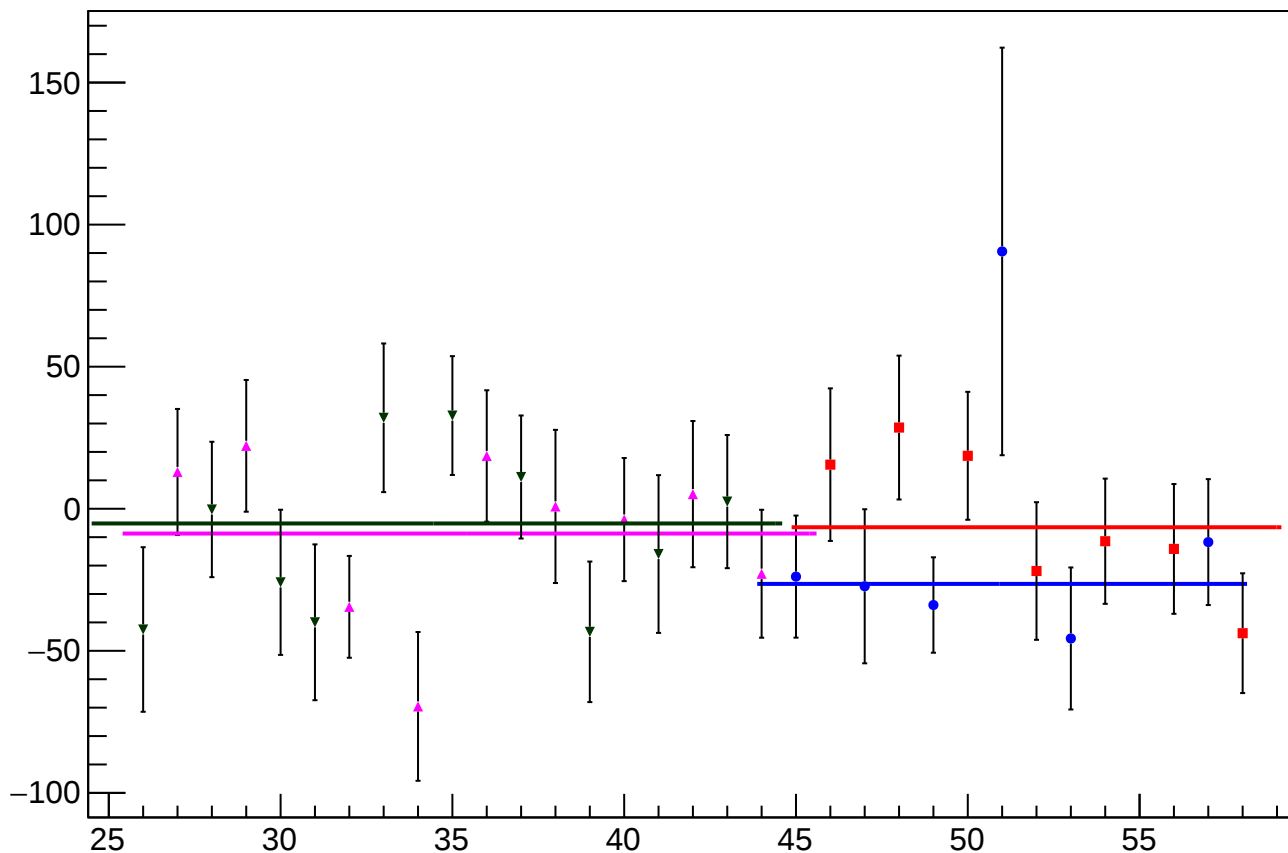
Right Out: 153.884 $\pm$ 0.060 χ^2 /NDF: 94040.2/6

Left In: 117.367 $\pm$ 0.036 χ^2 /NDF:385462.1/8

134.197 $\pm$ 0.034 χ^2 /NDF: 609954.8/15

126.982 $\pm$ 0.031 χ^2 /NDF: 751806.0/15

asym_bcm_dg_ds_bcm_an_ds_agg_dd_mean vs slug



Right In: -26.447 ± 9.576 $\chi^2/\text{NDF}: 3.9/5$

Left Out: -5.176 ± 7.796 $\chi^2/\text{NDF}: 12.5/9$

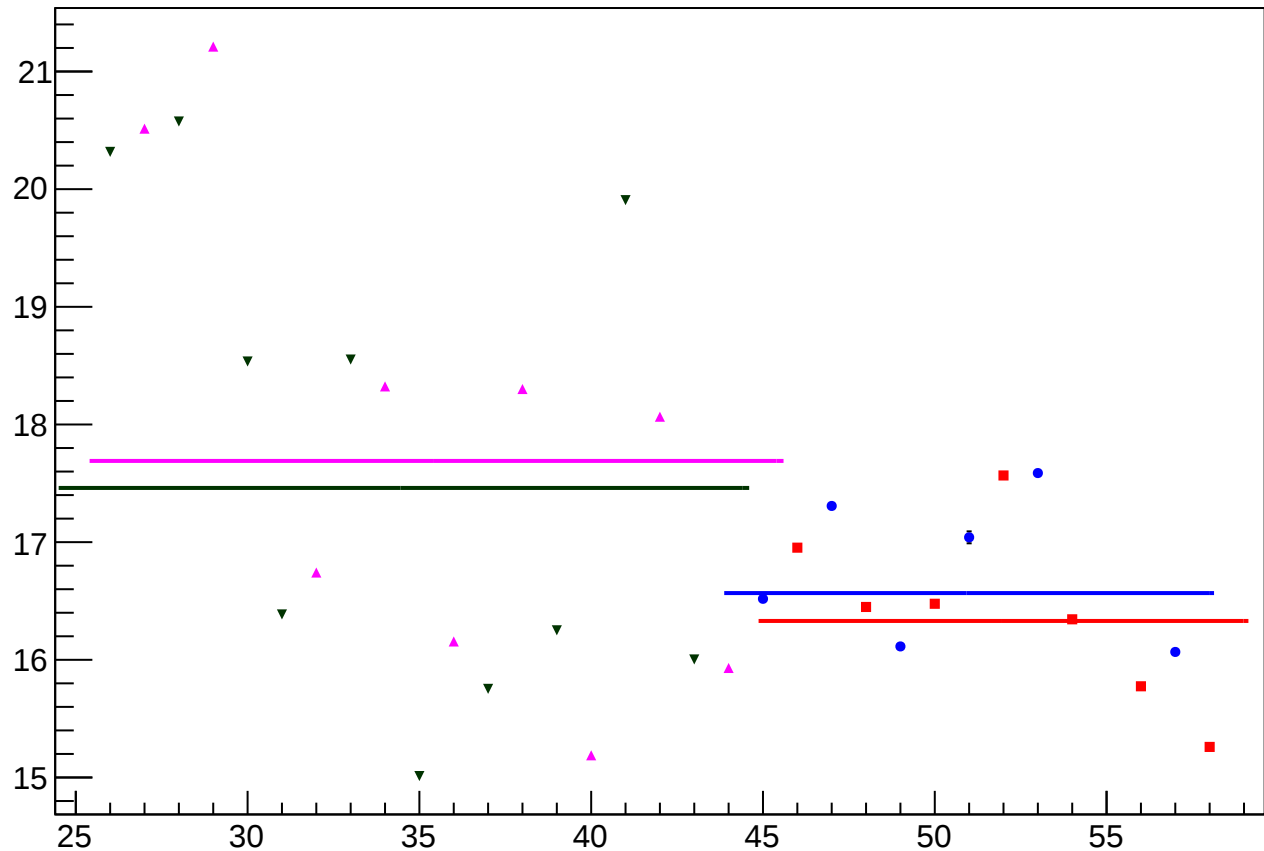
Right Out: -6.511 ± 8.820 $\chi^2/\text{NDF}: 7.5/6$

Left In: -8.720 ± 7.598 $\chi^2/\text{NDF}: 12.5/8$

-13.655 ± 6.046 $\chi^2/\text{NDF}: 19.4/15$

-7.779 ± 5.757 $\chi^2/\text{NDF}: 20.0/15$

asym_bcm_dg_ds_bcm_an_ds_agg_dd_rms vs slug



Right In: 16.567 ± 0.007 χ^2/NDF : 7398.5/5

Left Out: 17.461 ± 0.006 χ^2/NDF : 131638.1/9

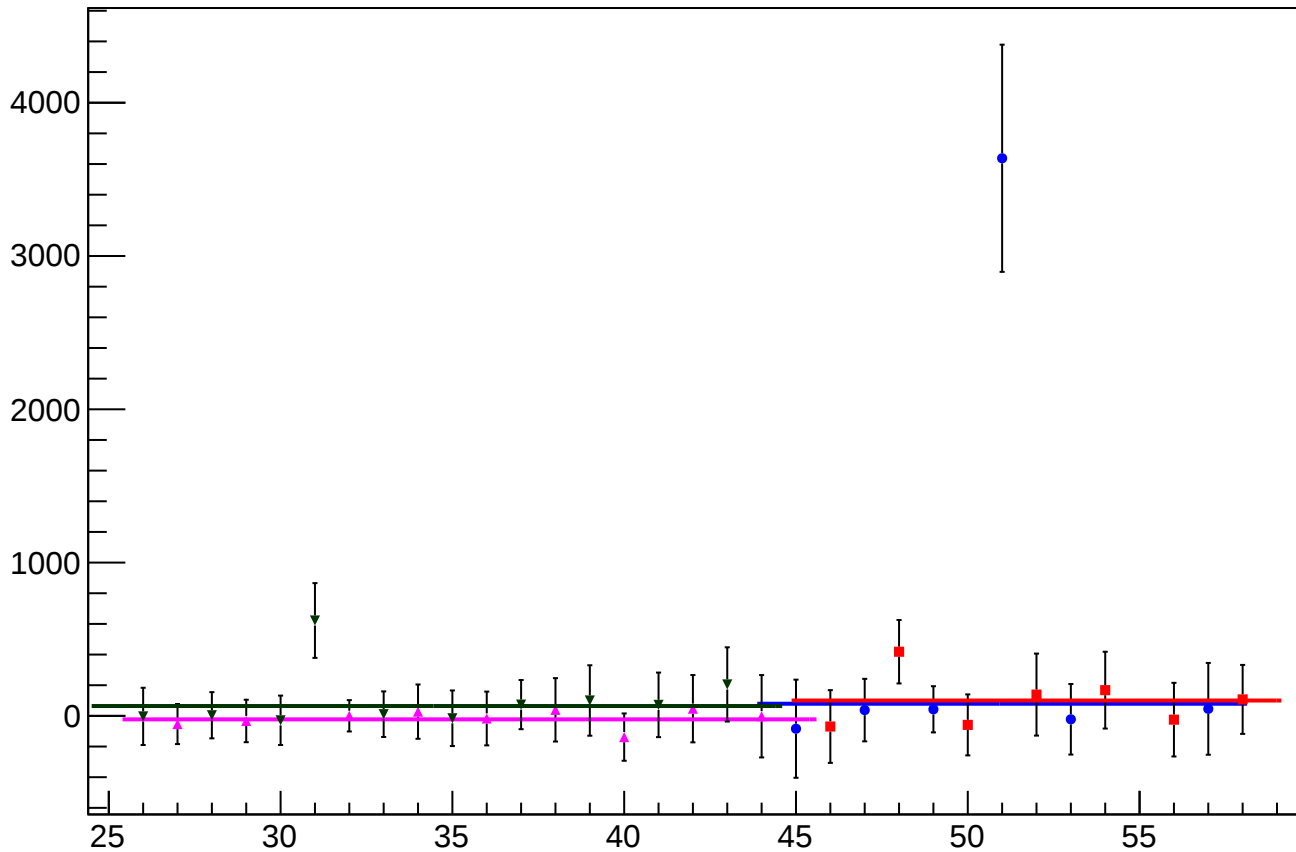
Right Out: 16.330 ± 0.006 χ^2/NDF : 12761.6/6

Left In: 17.690 ± 0.005 χ^2/NDF : 134444.8/8

17.105 ± 0.004 χ^2/NDF : 149509.2/15

17.111 ± 0.004 χ^2/NDF : 174503.3/15

asym_bcm_dg_us_bcm_an_us_agg_avg_mean vs slug



Right In: 79.243+/-95.463 χ^2/NDF : 23.6/5

Left Out: 64.255+/-57.630 χ^2/NDF : 6.5/9

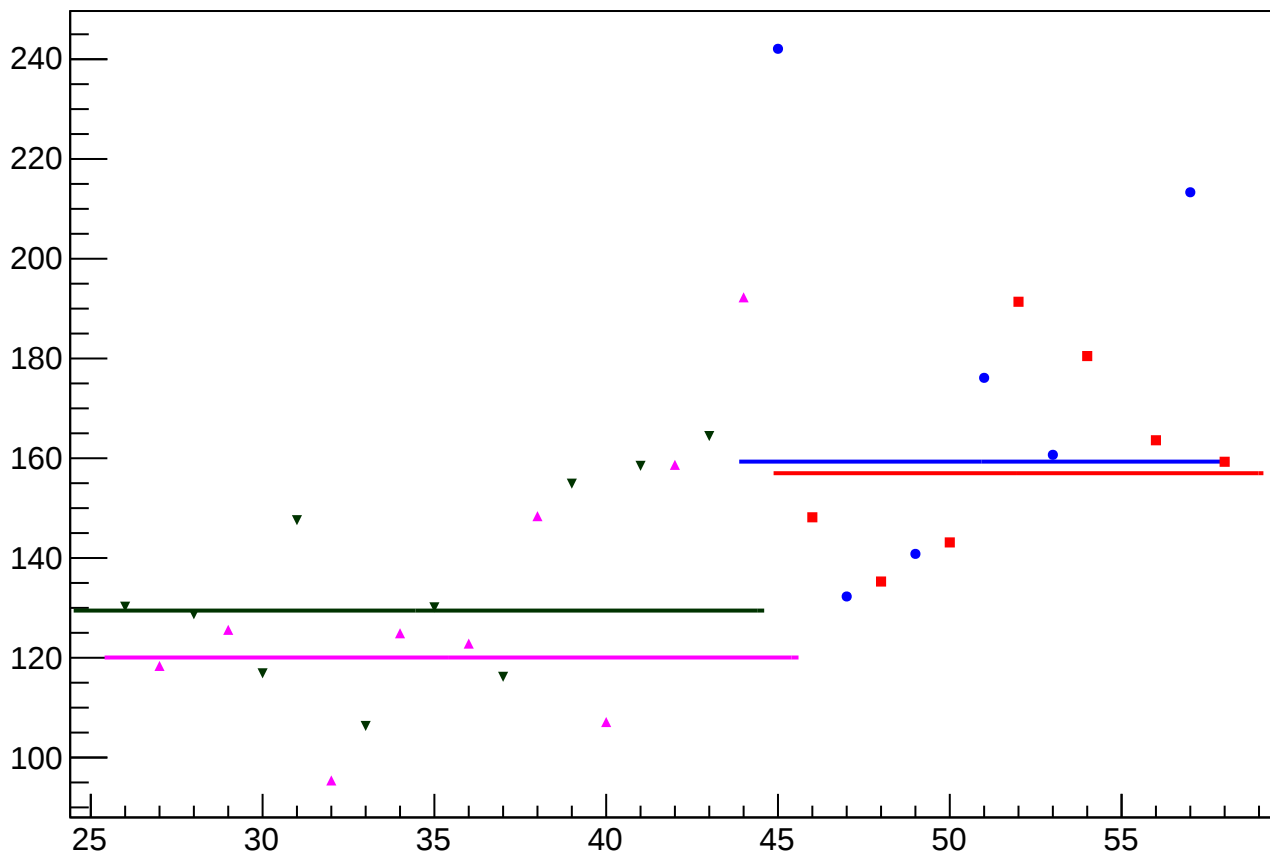
Right Out: 100.244+/-86.594 χ^2/NDF : 3.9/6

Left In: -22.721+/-51.941 χ^2/NDF : 1.0/8

68.258+/-49.337 χ^2/NDF : 30.2/15

9.814+/-44.542 χ^2/NDF : 6.3/15

asym_bcm_dg_us_bcm_an_us_agg_avg_rms vs slug



Right In: 159.327+/-0.068 χ^2/NDF : 265116.1/5

Left Out: 129.462+/-0.041 χ^2/NDF : 189687.2/9

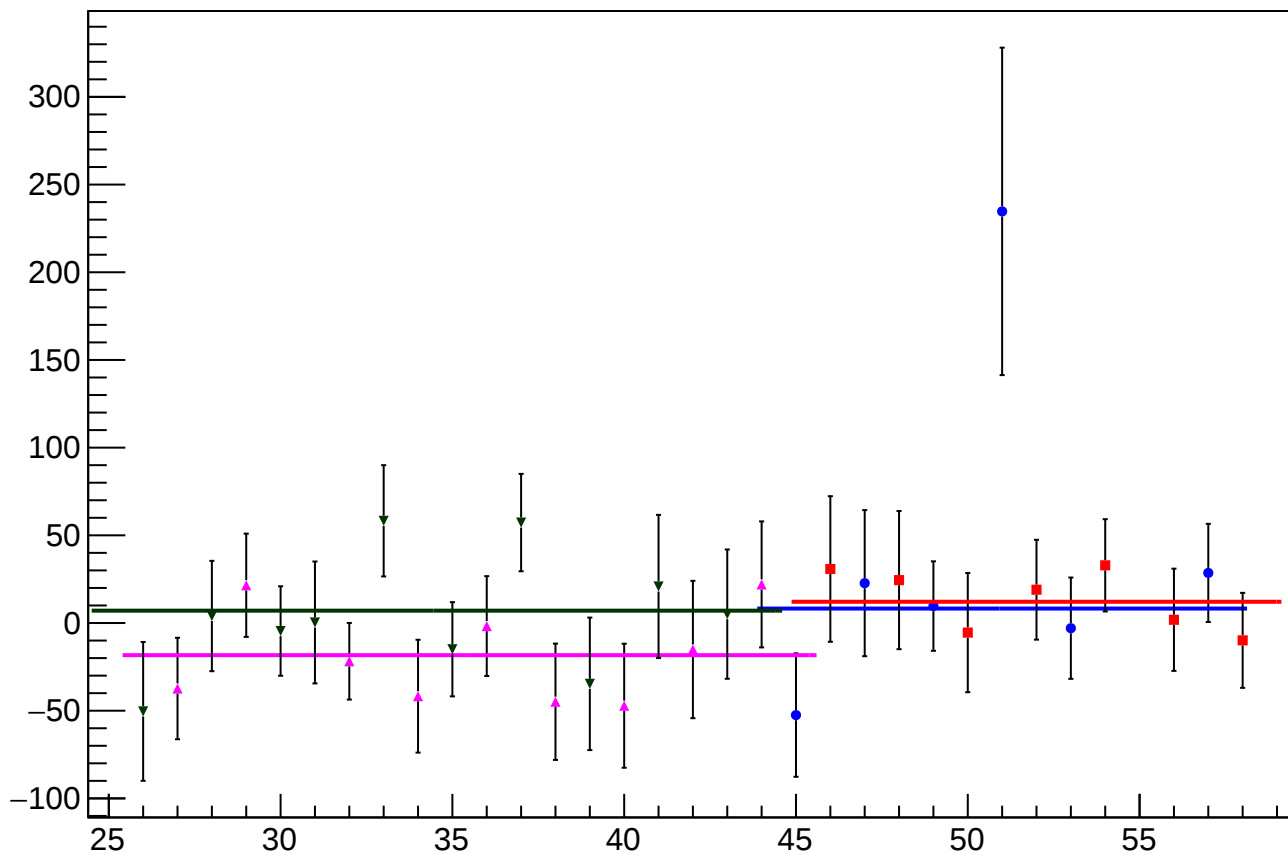
Right Out: 157.001+/-0.061 χ^2/NDF : 86848.9/6

Left In: 120.052+/-0.037 χ^2/NDF : 379795.5/8

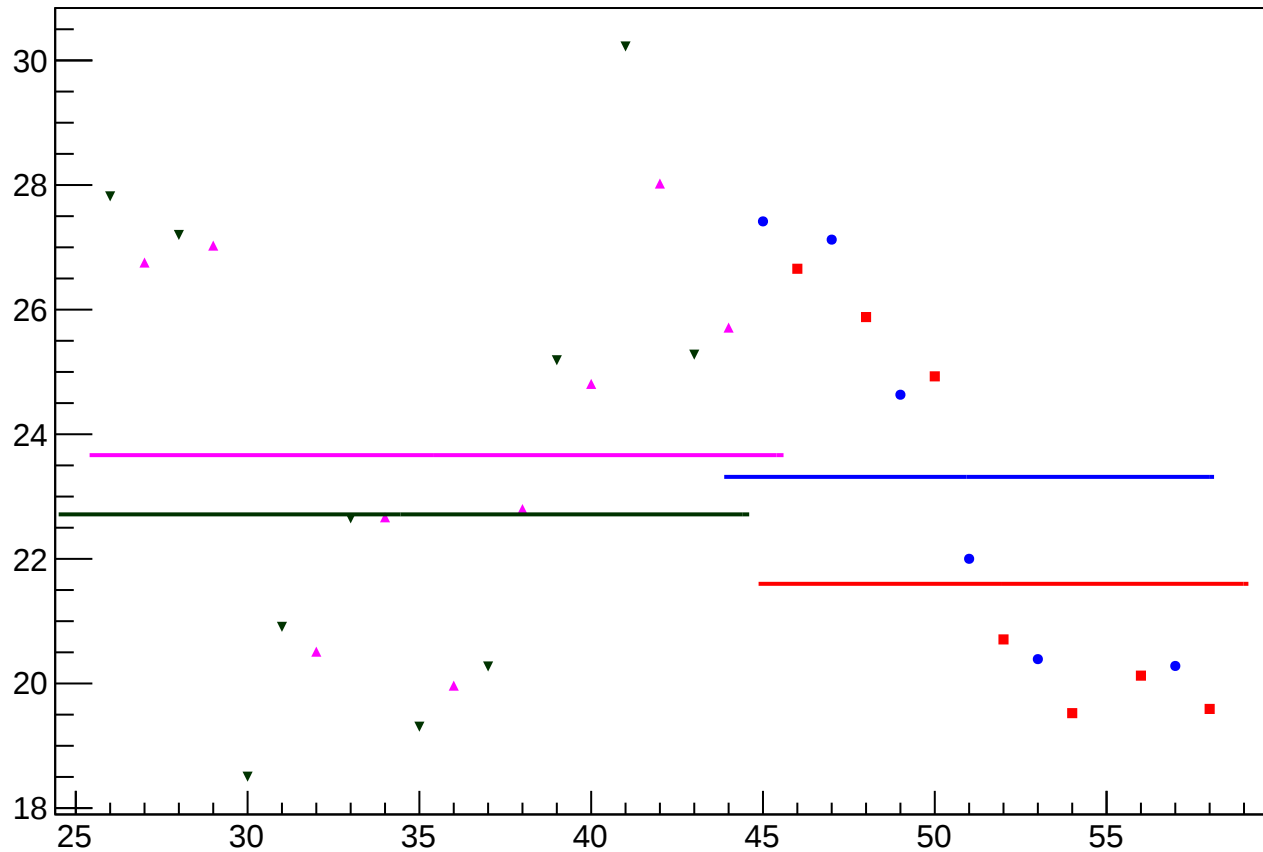
137.439+/-0.035 χ^2/NDF : 598262.1/15

129.828+/-0.031 χ^2/NDF : 734430.3/15

asym_bcm_dg_us_bcm_an_us_agg_dd_mean vs slug



asym_bcm_dg_us_bcm_an_us_agg_dd_rms vs slug



Right In: 23.316 $\pm$ 0.010 χ^2/NDF : 93629.0/5

Left Out: 22.714 $\pm$ 0.007 χ^2/NDF : 267334.5/9

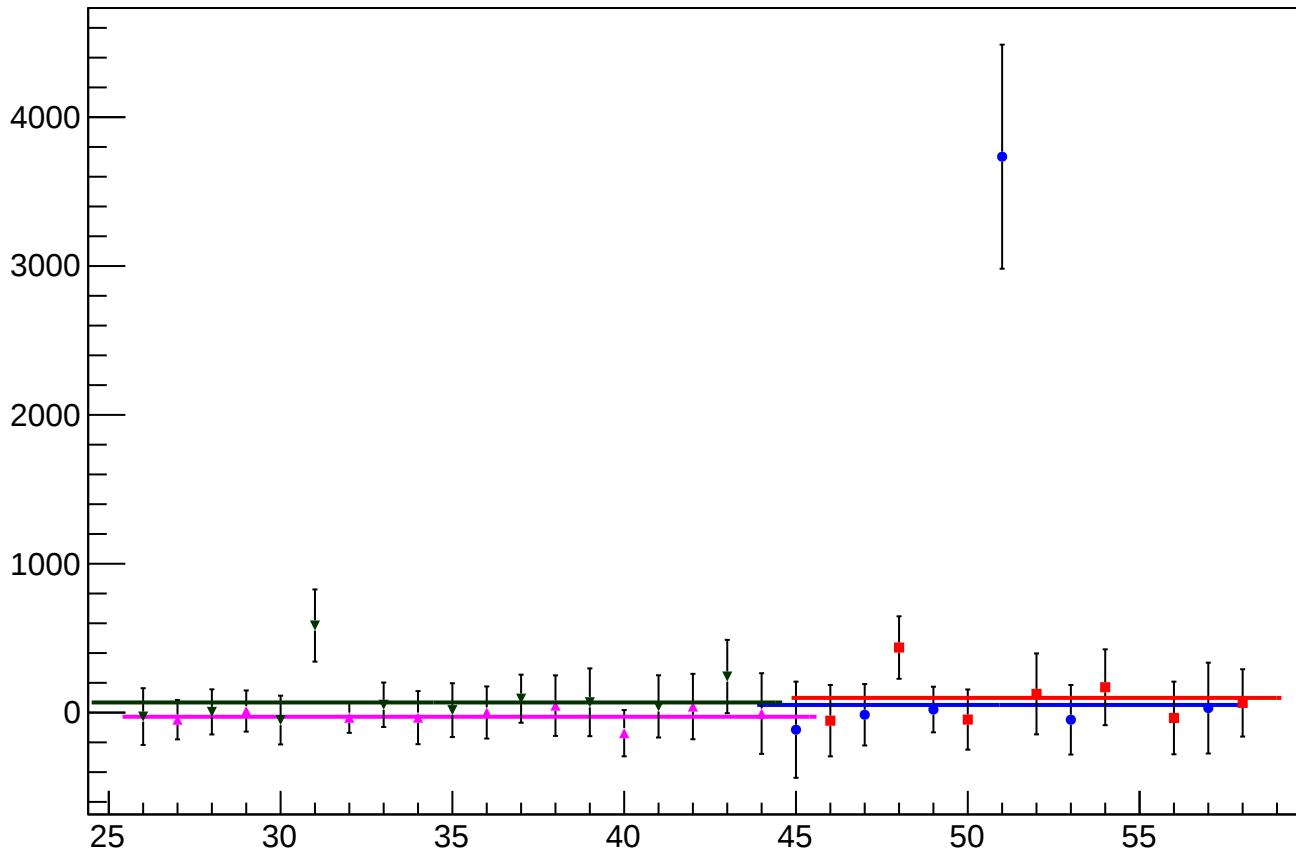
Right Out: 21.600 $\pm$ 0.008 χ^2/NDF : 103016.4/6

Left In: 23.665 $\pm$ 0.007 χ^2/NDF : 161021.9/8

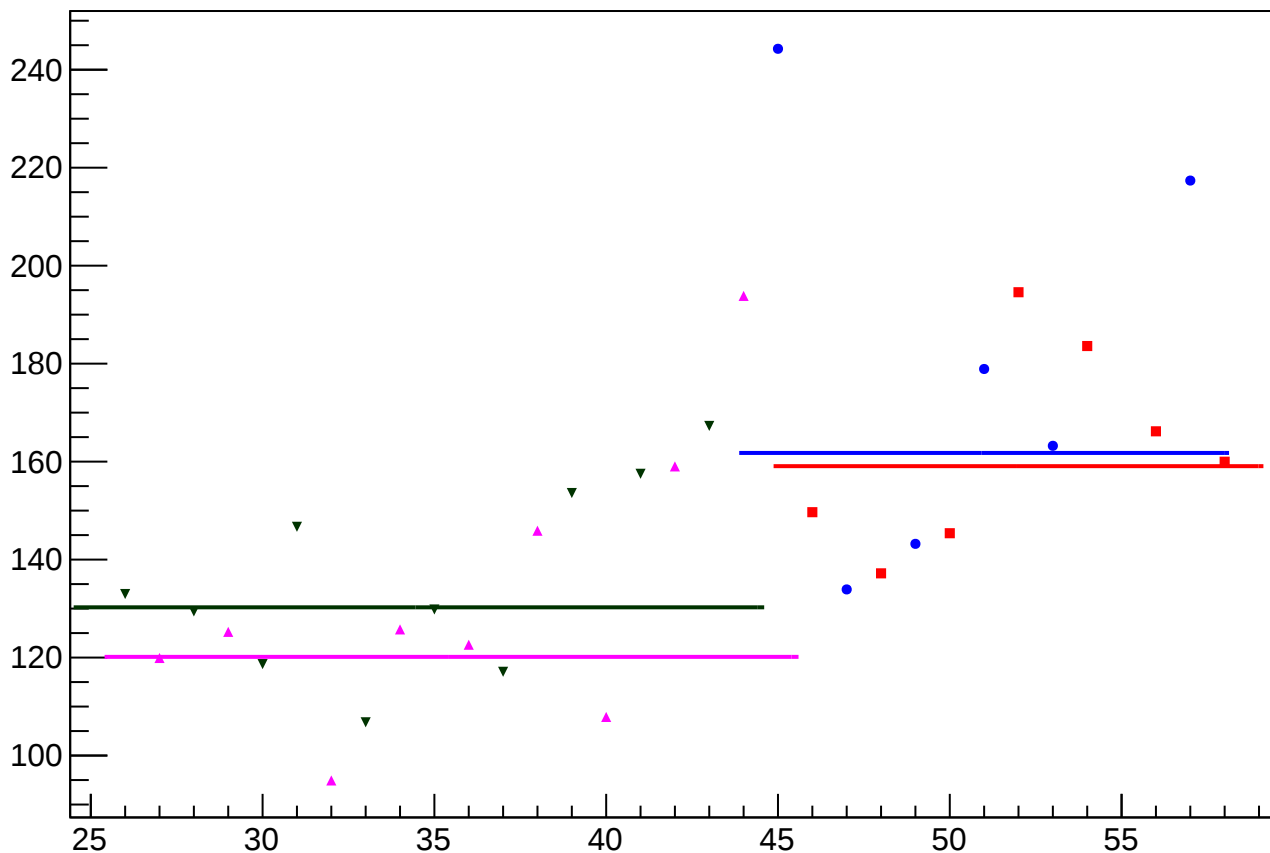
22.932 $\pm$ 0.006 χ^2/NDF : 363511.4/15

22.781 $\pm$ 0.005 χ^2/NDF : 299724.1/15

asym_bcm_dg_us_bcm_dg_ds_agg_avg_mean vs slug



asym_bcm_dg_us_bcm_dg_ds_agg_avg_rms vs slug



Right In: 161.772 $\pm$ 0.069 χ^2 /NDF: 263776.0/5

Left Out: 130.257 $\pm$ 0.041 χ^2 /NDF: 182492.6/9

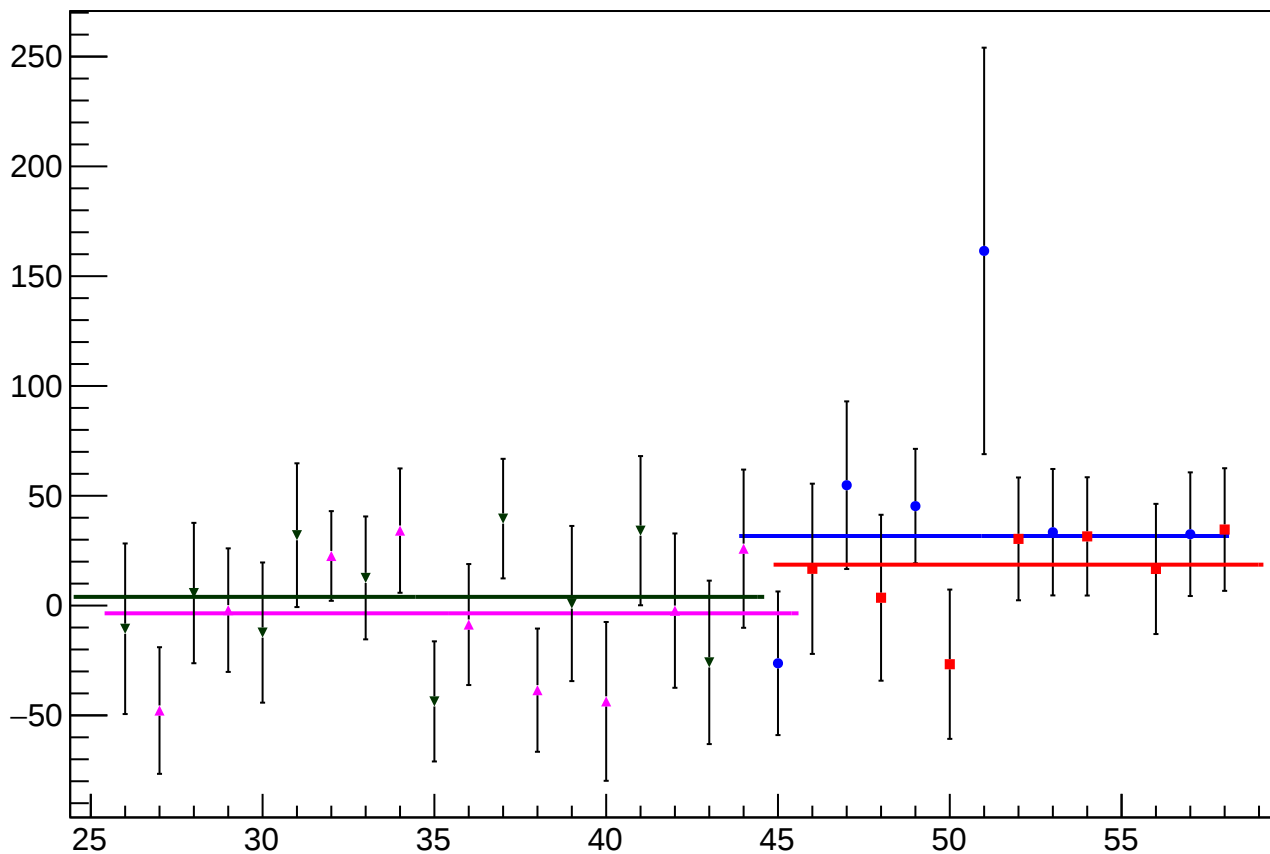
Right Out: 159.072 $\pm$ 0.062 χ^2 /NDF: 88319.4/6

Left In: 120.145 $\pm$ 0.037 χ^2 /NDF: 383181.0/8

138.559 $\pm$ 0.035 χ^2 /NDF: 602038.1/15

130.254 $\pm$ 0.032 χ^2 /NDF: 762781.7/15

asym_bcm_dg_us_bcm_dg_ds_agg_dd_mean vs slug



Right In: 31.681 $\pm$ 13.271 χ^2 /NDF: 5.8/5

Left Out: 3.960 $\pm$ 10.046 χ^2 /NDF: 7.4/9

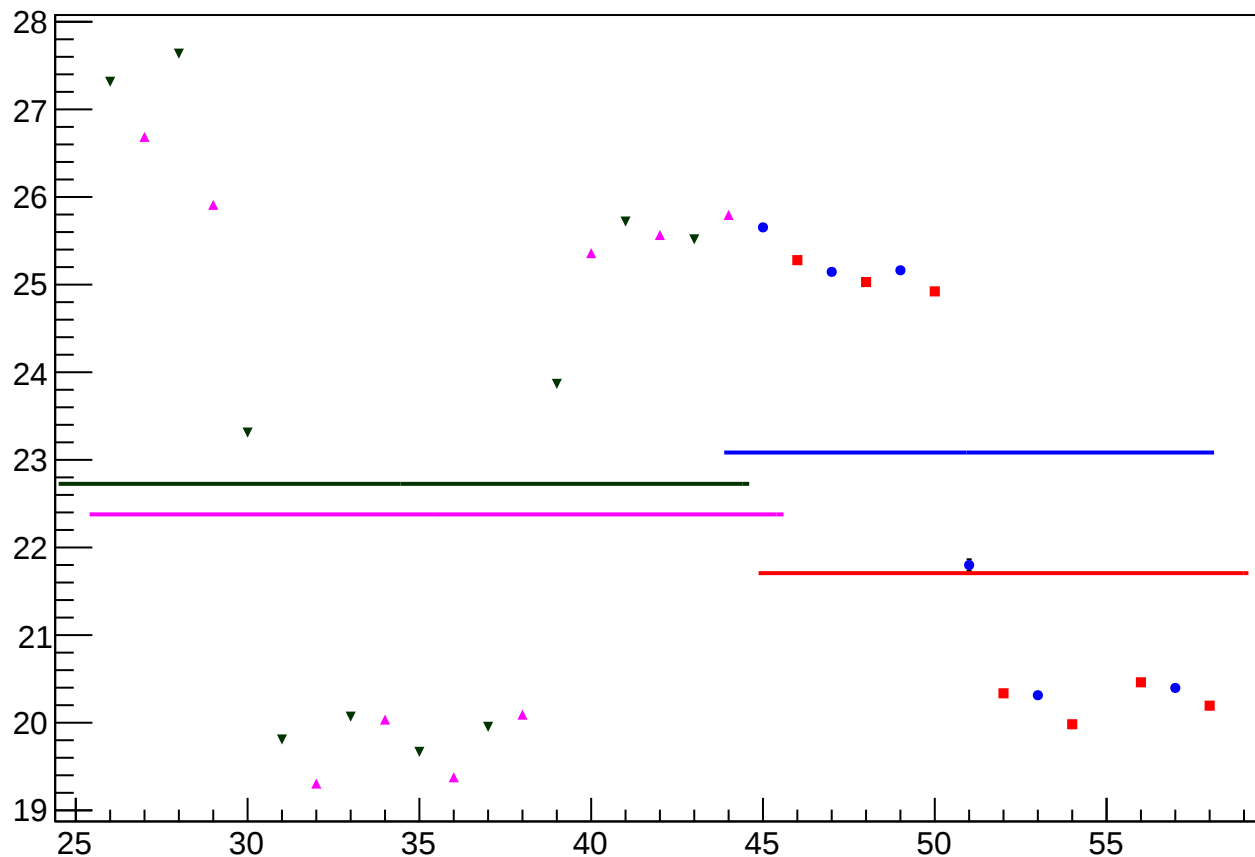
Right Out: 18.629 $\pm$ 11.696 χ^2 /NDF: 2.7/6

Left In: -3.528 $\pm$ 9.515 χ^2 /NDF: 9.3/8

14.059 $\pm$ 8.010 χ^2 /NDF: 15.9/15

5.296 $\pm$ 7.381 χ^2 /NDF: 14.1/15

asym_bcm_dg_us_bcm_dg_ds_agg_dd_rms vs slug



Right In: 23.084 $\pm$ 0.009 χ^2 /NDF: 68029.5/5

Left Out: 22.726 $\pm$ 0.007 χ^2 /NDF: 184323.0/9

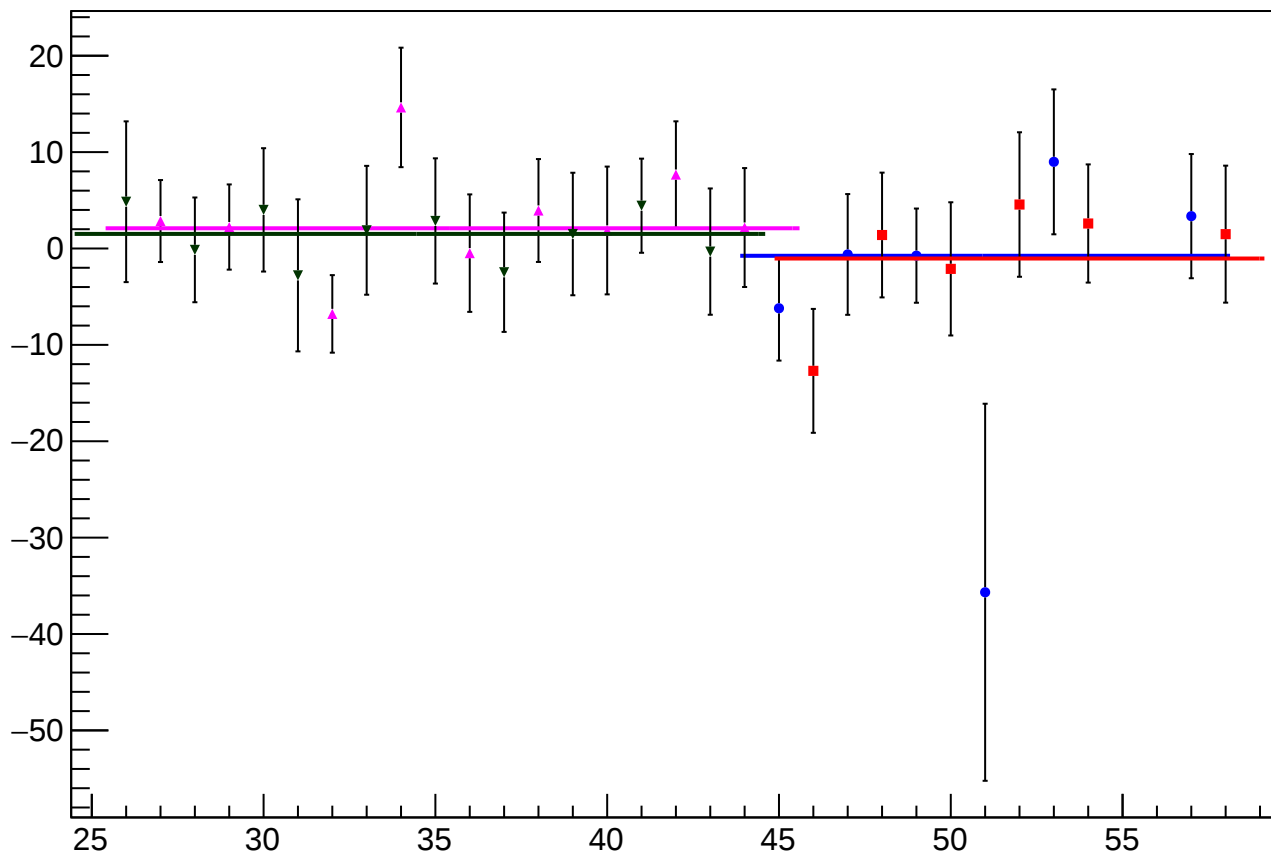
Right Out: 21.707 $\pm$ 0.008 χ^2 /NDF: 72769.2/6

Left In: 22.378 $\pm$ 0.007 χ^2 /NDF: 220187.8/8

22.857 $\pm$ 0.006 χ^2 /NDF: 253274.2/15

22.111 $\pm$ 0.005 χ^2 /NDF: 296914.7/15

diff_bpm12X_mean vs slug



Right In: -0.757 ± 2.621 χ^2/NDF : 6.3/5

Left Out: 1.512 ± 1.997 χ^2/NDF : 1.6/9

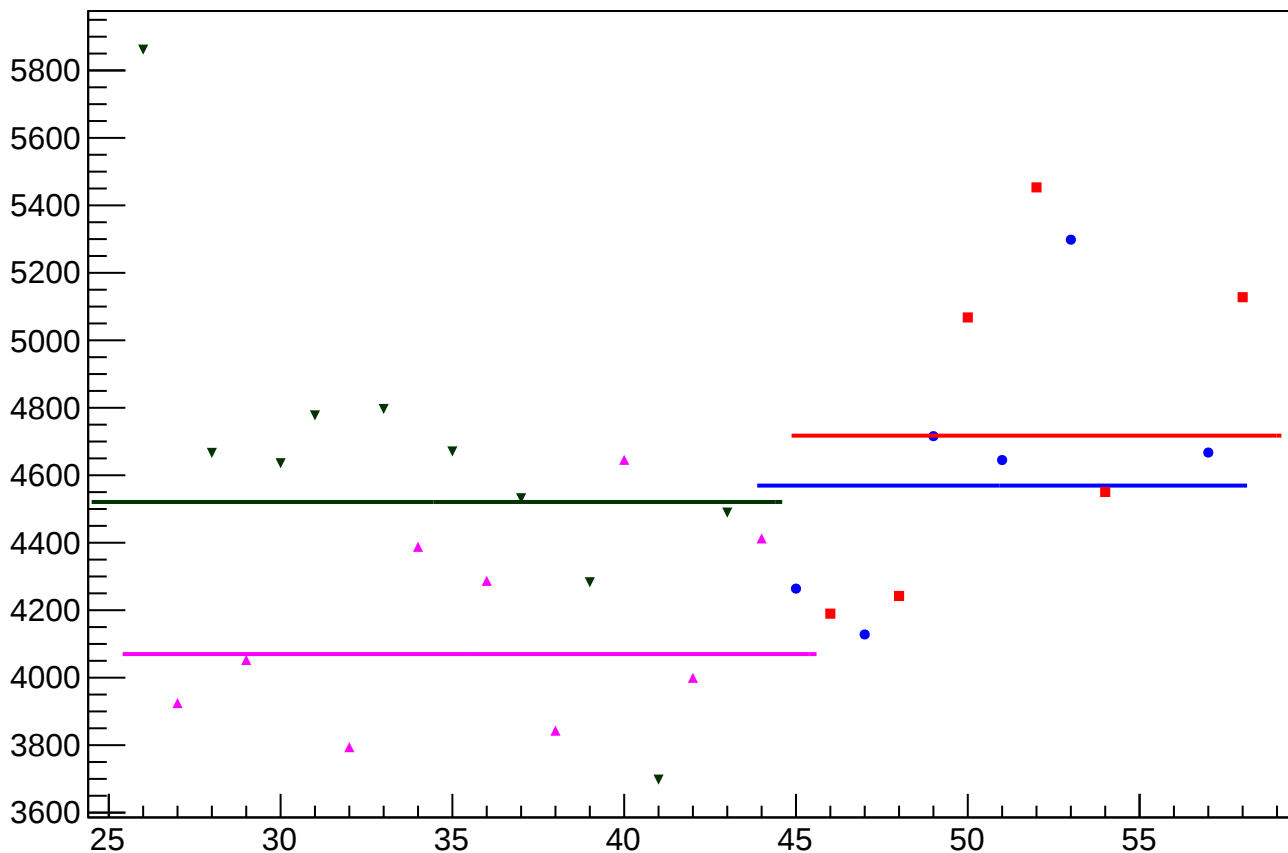
Right Out: -1.041 ± 2.740 χ^2/NDF : 4.5/5

Left In: 2.097 ± 1.720 χ^2/NDF : 10.3/8

0.679 ± 1.588 χ^2/NDF : 8.4/15

1.210 ± 1.457 χ^2/NDF : 15.7/14

diff_bpm12X_rms vs slug



Right In: 4569.401+/-1.853 χ^2/NDF : 37337.1/5

Left Out: 4520.844+/-1.412 χ^2/NDF :119990.0/9

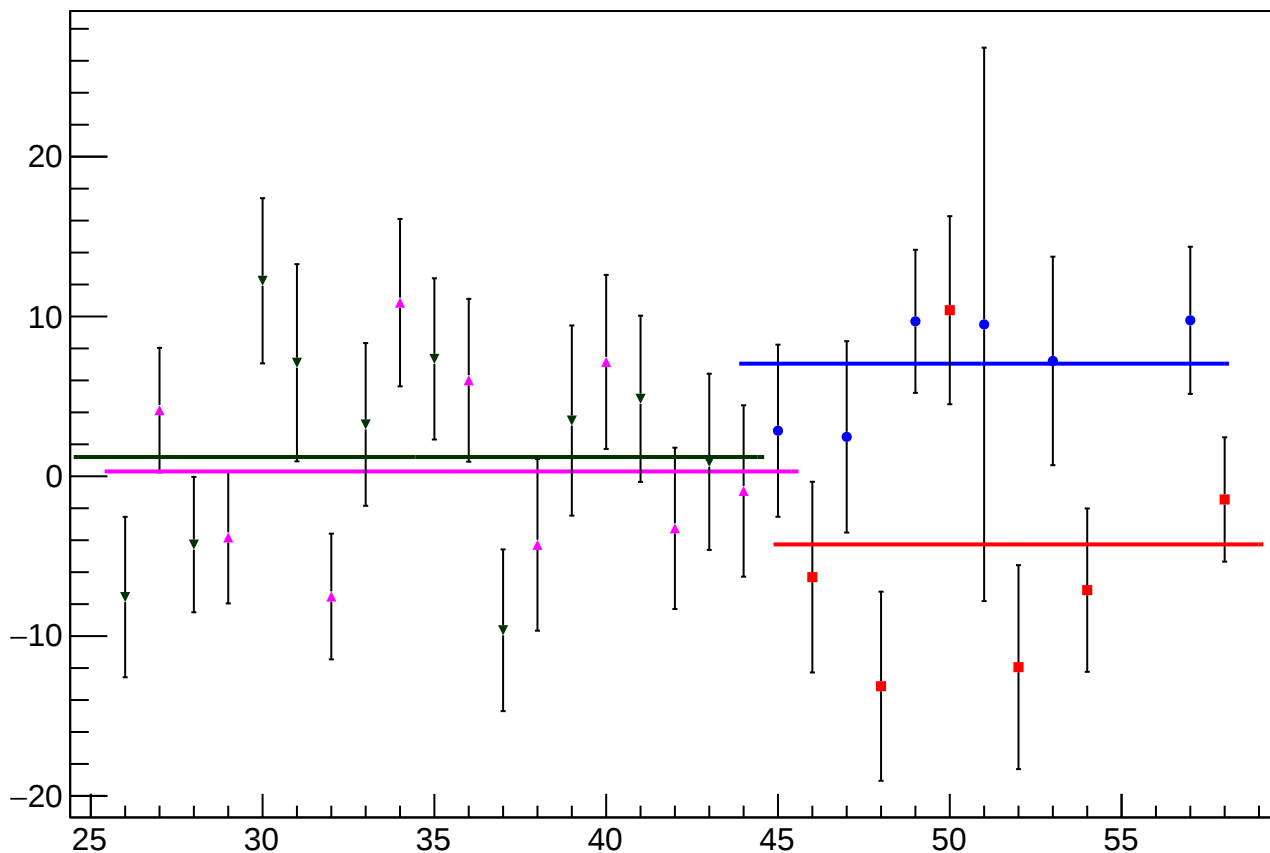
4538.678+/-1.123 χ^2/NDF : 157761.5/15

Right Out: 4717.463+/-1.938 χ^2/NDF : 56820.7/5

4252.967+/-1.030 χ^2/NDF : 181715.3/14

Left In: 4069.946+/-1.216 χ^2/NDF :44773.6/8

diff_bpm12Y_mean vs slug



Right In: 7.048 ± 2.317 χ^2/NDF : 1.9/5

Left Out: 1.206 ± 1.635 χ^2/NDF : 17.1/9

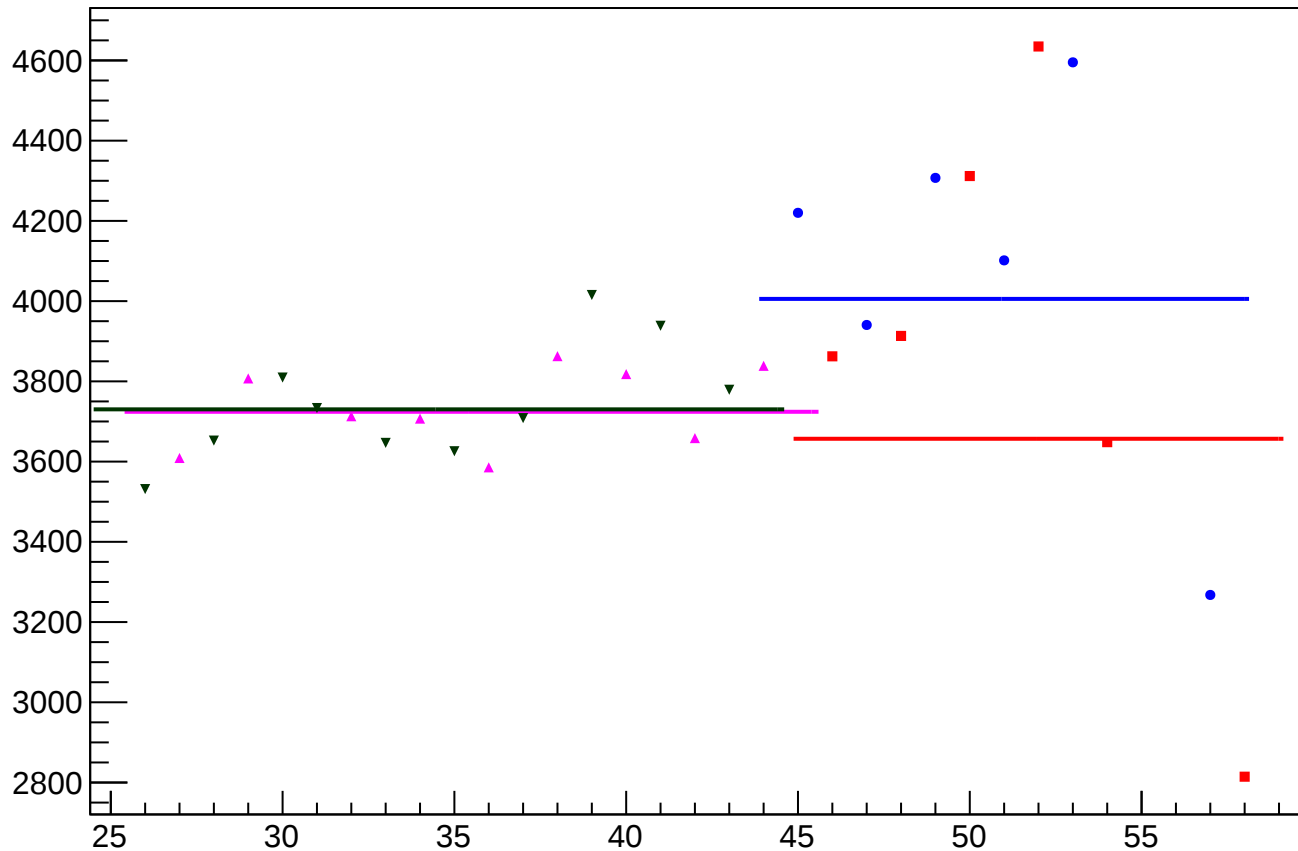
Right Out: -4.262 ± 2.159 χ^2/NDF : 10.9/5

Left In: 0.303 ± 1.568 χ^2/NDF : 14.1/8

3.148 ± 1.336 χ^2/NDF : 23.2/15

-1.274 ± 1.269 χ^2/NDF : 27.9/14

diff_bpm12Y_rms vs slug



Right In: 4005.557+/-1.638 χ^2/NDF : 80306.4/5

Left Out: 3730.233+/-1.156 χ^2/NDF :13673.0/9

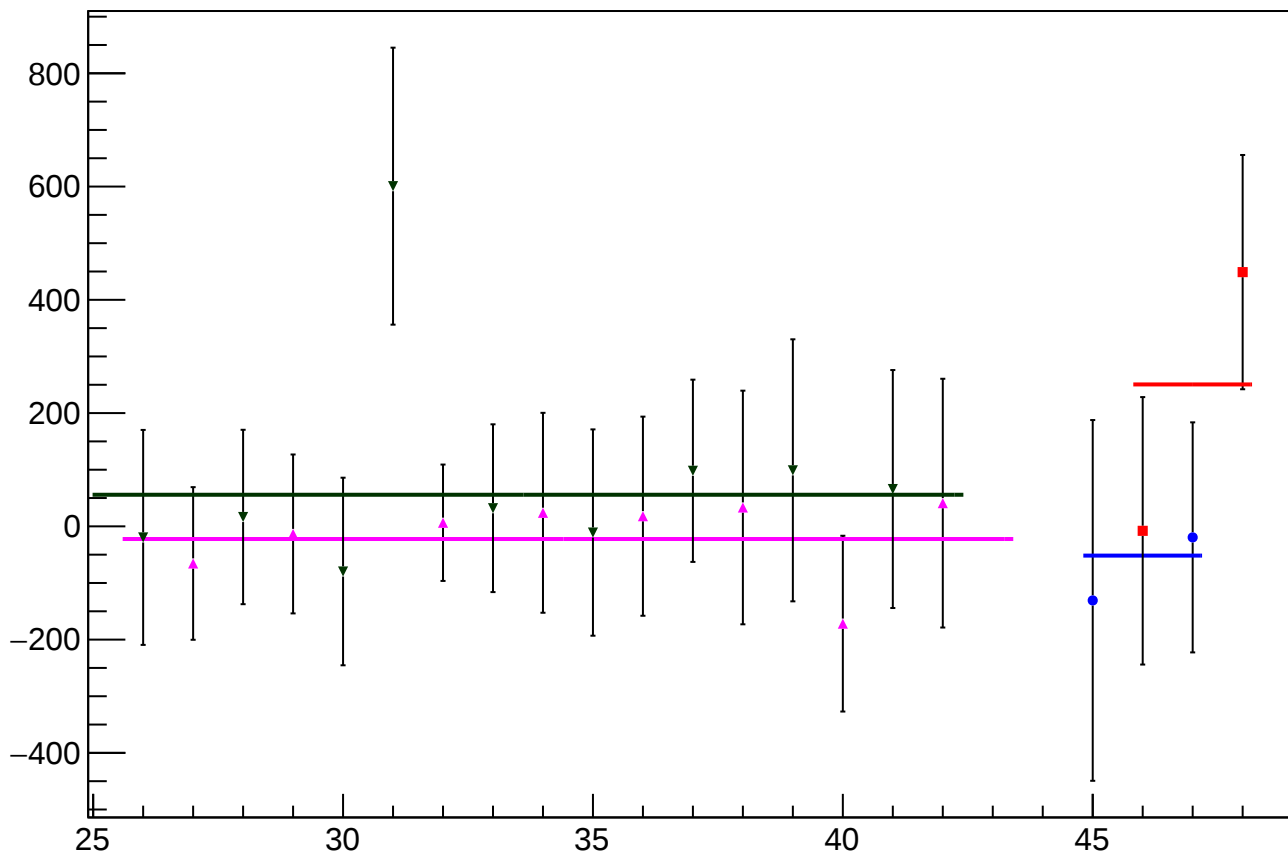
3821.761+/-0.944 χ^2/NDF : 112837.9/15

Right Out: 3656.901+/-1.527 χ^2/NDF : 171666.9/5

3700.935+/-0.897 χ^2/NDF : 180189.8/14

Left In: 3724.165+/-1.109 χ^2/NDF :7252.6/8

asym_bcm_dg_us_cav4cQ_agg_avg_mean vs slug



Right In: -51.659 $\pm$ 171.258 χ^2/NDF : 0.1/1

Left Out: 55.788 $\pm$ 59.892 χ^2/NDF : 6.1/8

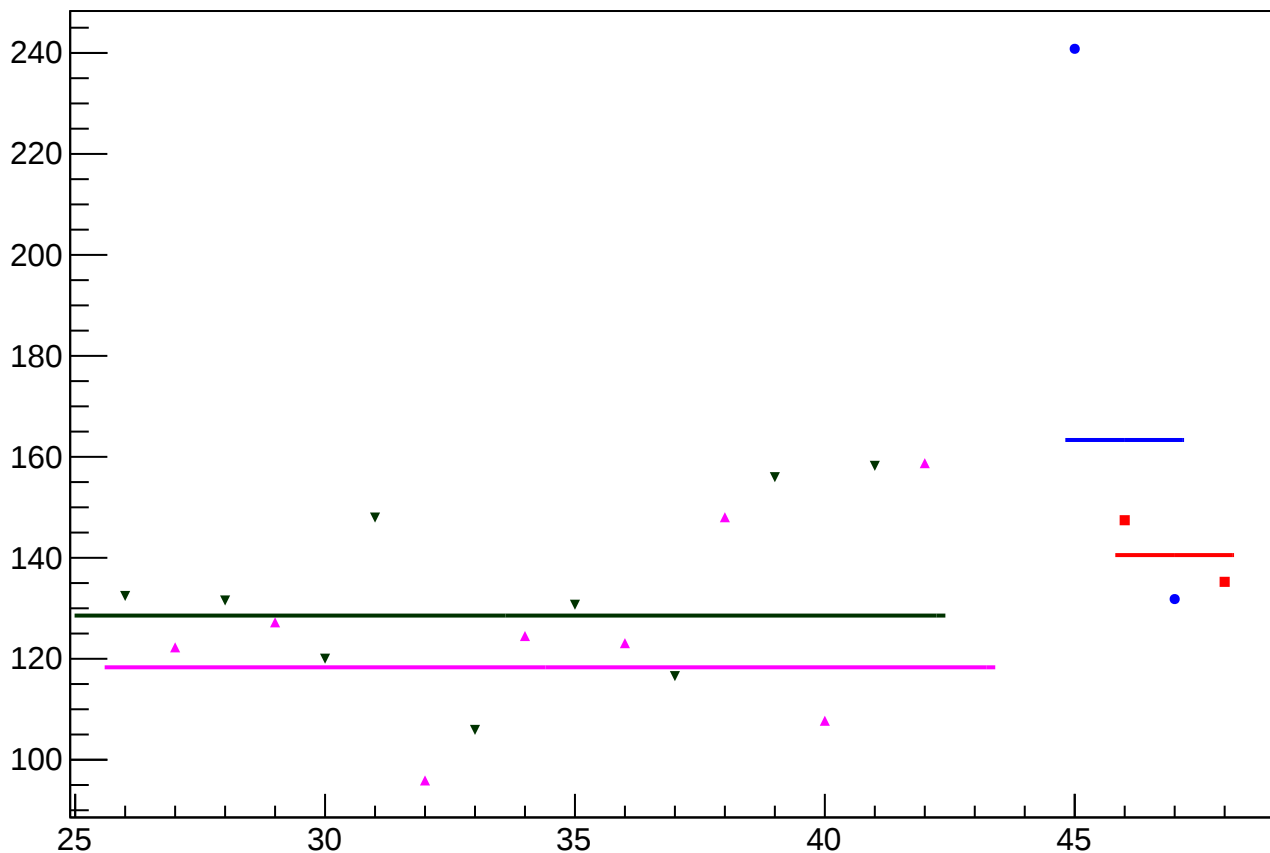
Right Out: 250.594 $\pm$ 155.594 χ^2/NDF : 2.1/1

Left In: -22.351 $\pm$ 53.393 χ^2/NDF : 1.4/7

44.079 $\pm$ 56.535 χ^2/NDF : 6.6/10

6.403 $\pm$ 50.502 χ^2/NDF : 6.3/9

asym_bcm_dg_us_cav4cQ_agg_avg_rms vs slug



Right In: 163.340 ± 0.121 χ^2/NDF : 166487.1/1

Left Out: 128.560 ± 0.042 χ^2/NDF : 145575.3/8

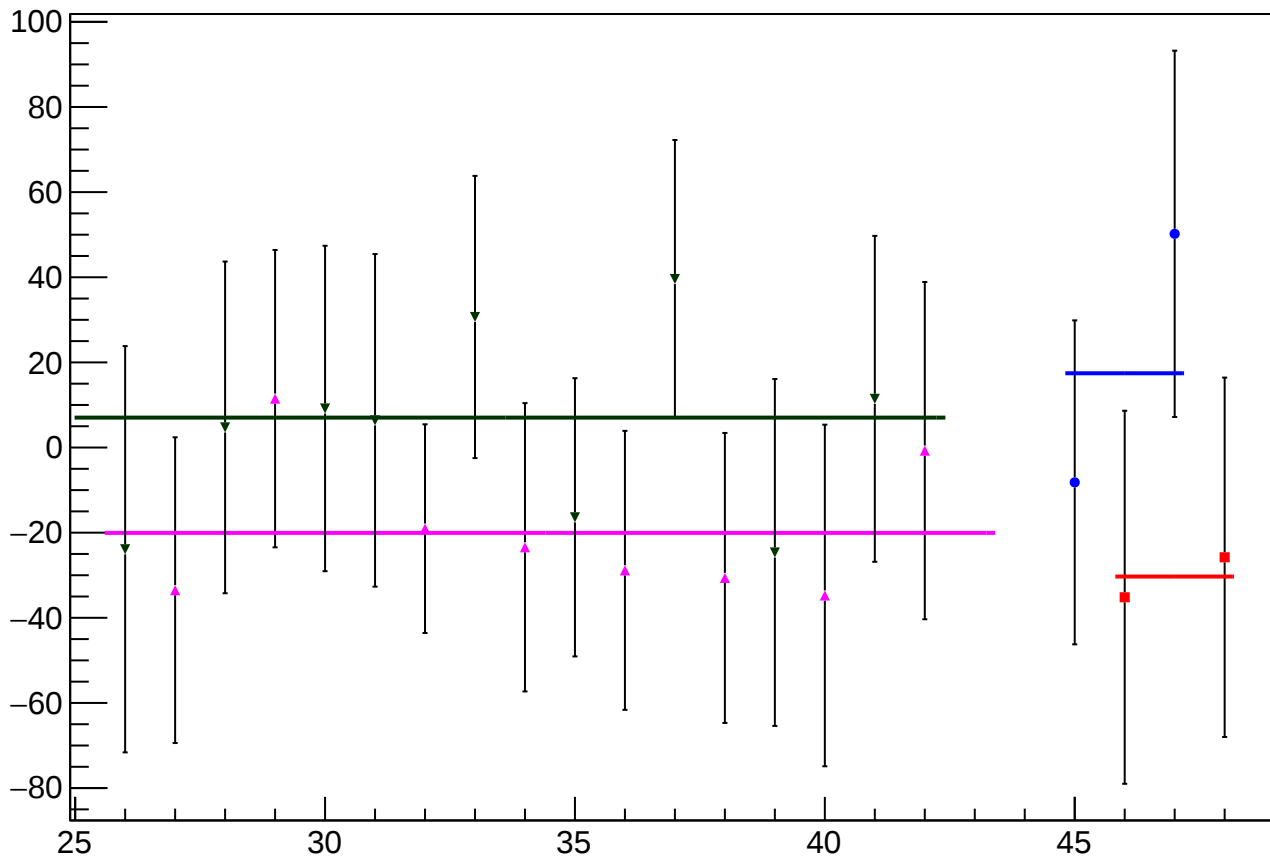
Right Out: 140.541 ± 0.110 χ^2/NDF : 3022.7/1

Left In: 118.311 ± 0.038 χ^2/NDF : 227483.3/7

132.350 ± 0.040 χ^2/NDF : 385559.7/10

120.652 ± 0.036 χ^2/NDF : 267030.1/9

asym_bcm_dg_us_cav4cQ_agg_dd_mean vs slug



Right In: 17.447±28.504 χ^2/NDF : 1.0/1

Left Out: 7.028±12.398 χ^2/NDF : 3.1/8

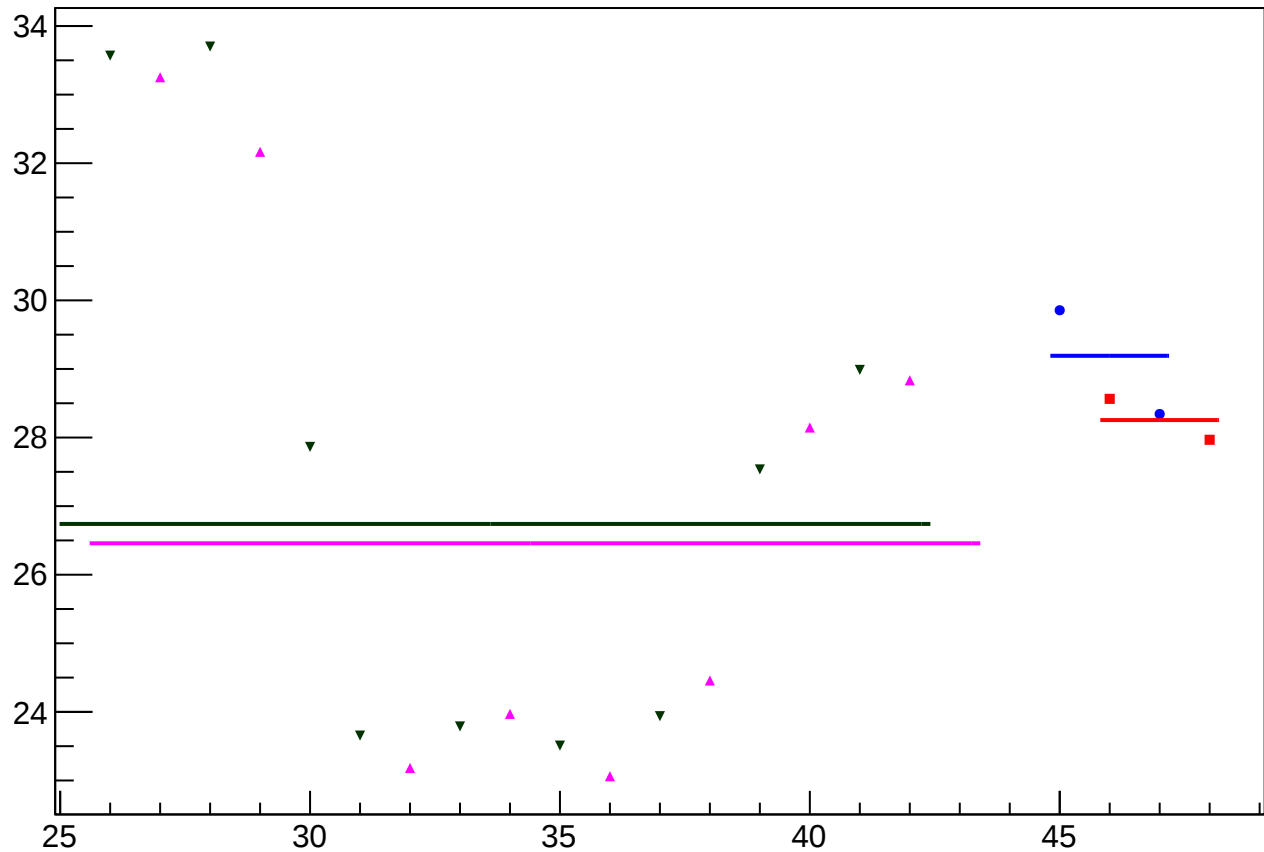
Right Out: -30.306±30.400 χ^2/NDF : 0.0/1

Left In: -20.053±11.799 χ^2/NDF : 1.5/7

8.686±11.369 χ^2/NDF : 4.2/10

-21.395±10.999 χ^2/NDF : 1.6/9

asym_bcm_dg_us_cav4cQ_agg_dd_rms vs slug



Right In: 29.192 $\pm$ 0.020 χ^2/NDF : 1387.3/1

Left Out: 26.740 $\pm$ 0.009 χ^2/NDF : 176771.5/8

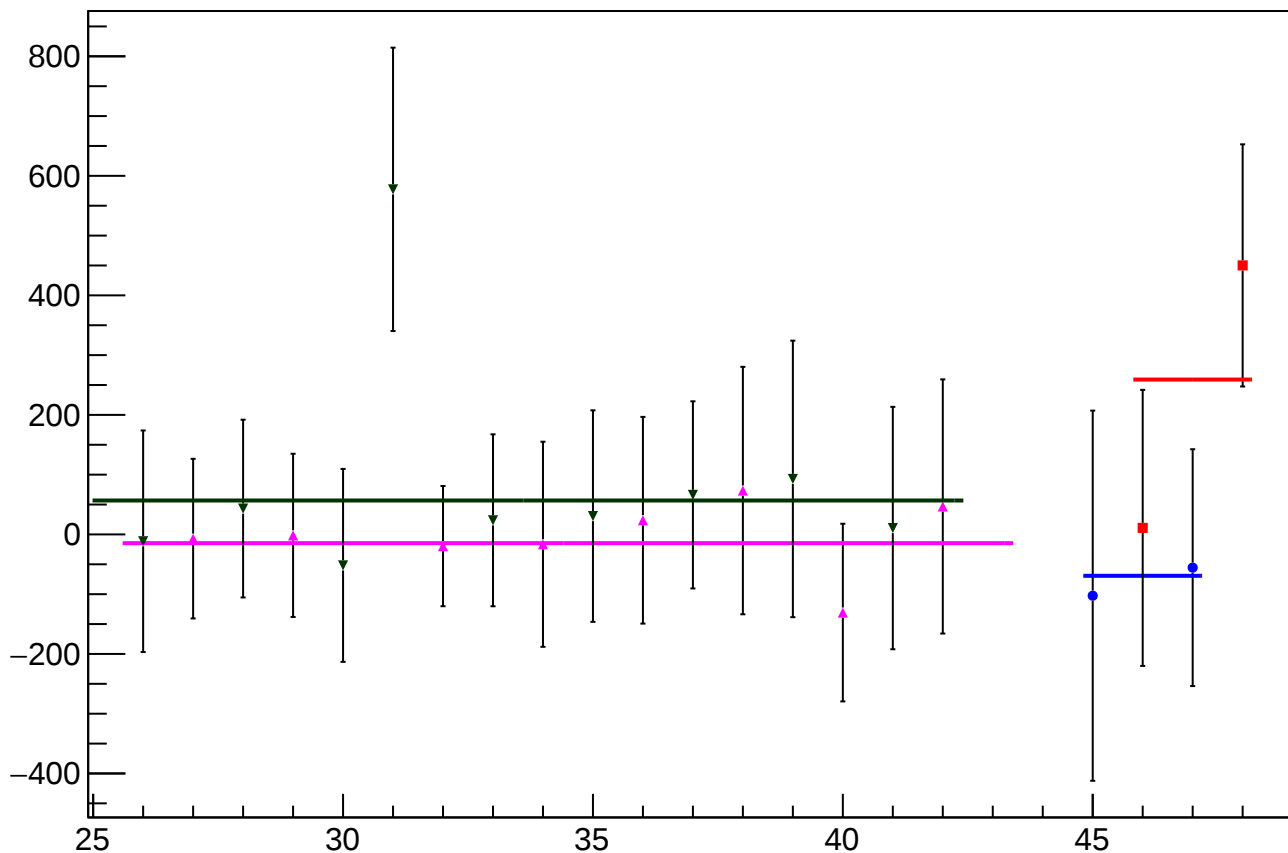
Right Out: 28.255 $\pm$ 0.021 χ^2/NDF : 192.3/1

Left In: 26.458 $\pm$ 0.008 χ^2/NDF : 210657.2/7

27.130 $\pm$ 0.008 χ^2/NDF : 190601.8/10

26.693 $\pm$ 0.008 χ^2/NDF : 216919.2/9

asym_bcm_dg_ds_cav4cQ_agg_avg_mean vs slug



Right In: -69.249 $\pm$ 166.910 χ^2/NDF : 0.0/1

Left Out: 56.763 $\pm$ 58.268 χ^2/NDF : 5.6/8

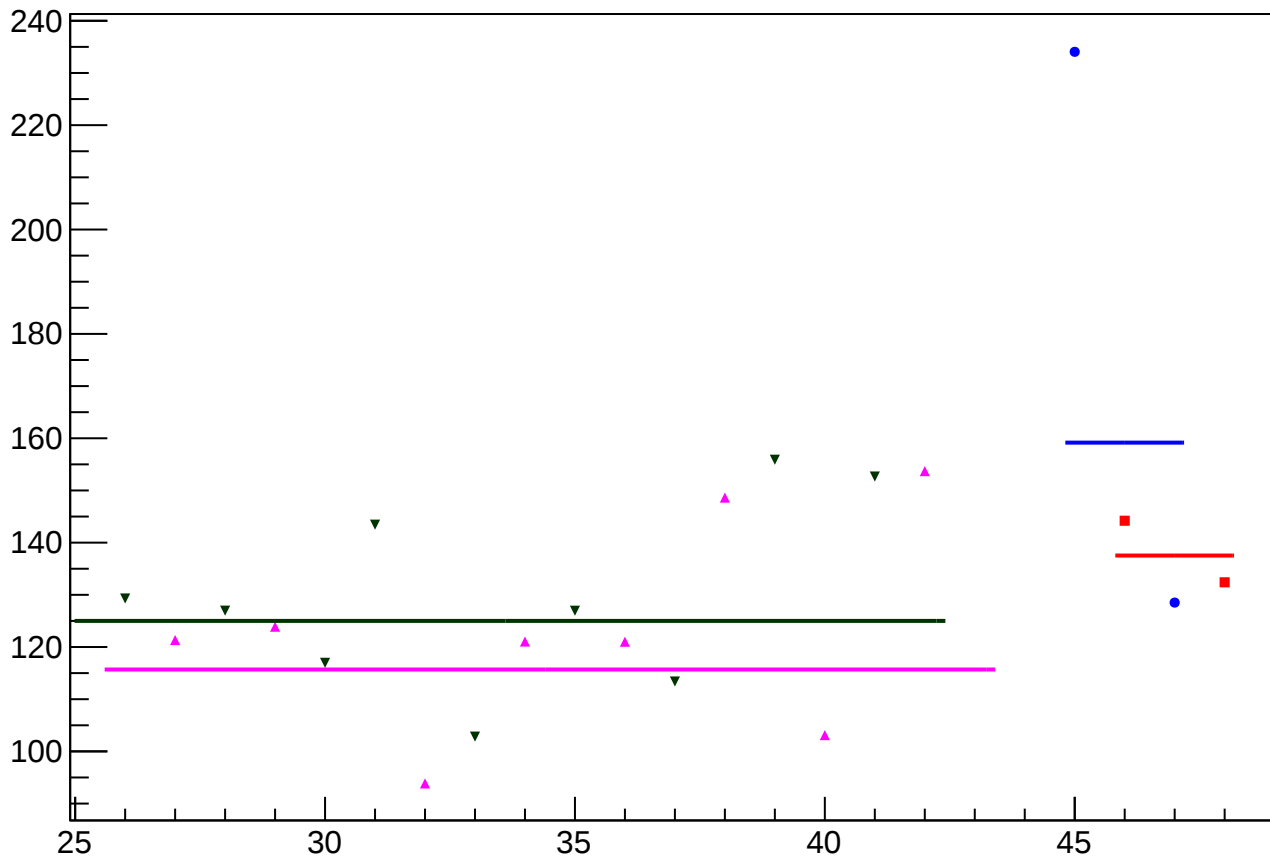
Right Out: 259.134 $\pm$ 152.302 χ^2/NDF : 2.0/1

Left In: -14.603 $\pm$ 52.227 χ^2/NDF : 0.9/7

43.074 $\pm$ 55.012 χ^2/NDF : 6.1/10

14.199 $\pm$ 49.403 χ^2/NDF : 5.9/9

asym_bcm_dg_ds_cav4cQ_agg_avg_rms vs slug



Right In: 159.167 $\pm$ 0.118 χ^2 /NDF: 164807.4/1

Left Out: 125.005 $\pm$ 0.041 χ^2 /NDF: 150125.6/8

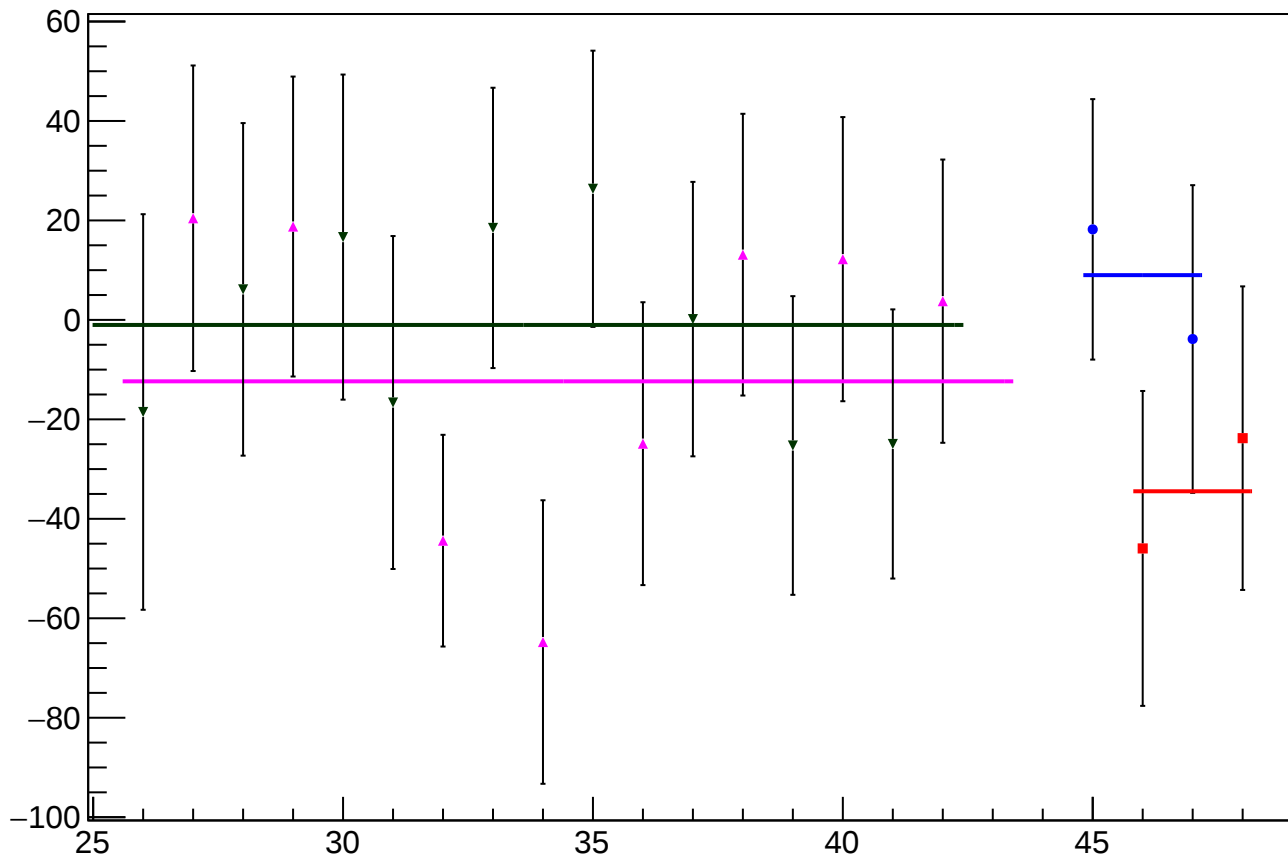
Right Out: 137.529 $\pm$ 0.108 χ^2 /NDF: 2951.2/1

Left In: 115.690 $\pm$ 0.037 χ^2 /NDF: 237670.3/7

128.716 $\pm$ 0.039 χ^2 /NDF: 389614.7/10

117.988 $\pm$ 0.035 χ^2 /NDF: 277418.6/9

asym_bcm_dg_ds_cav4cQ_agg_dd_mean vs slug



Right In: 8.999 $\pm$ 19.988 χ^2 /NDF: 0.3/1

Left Out: -1.017 $\pm$ 10.154 χ^2 /NDF: 3.6/8

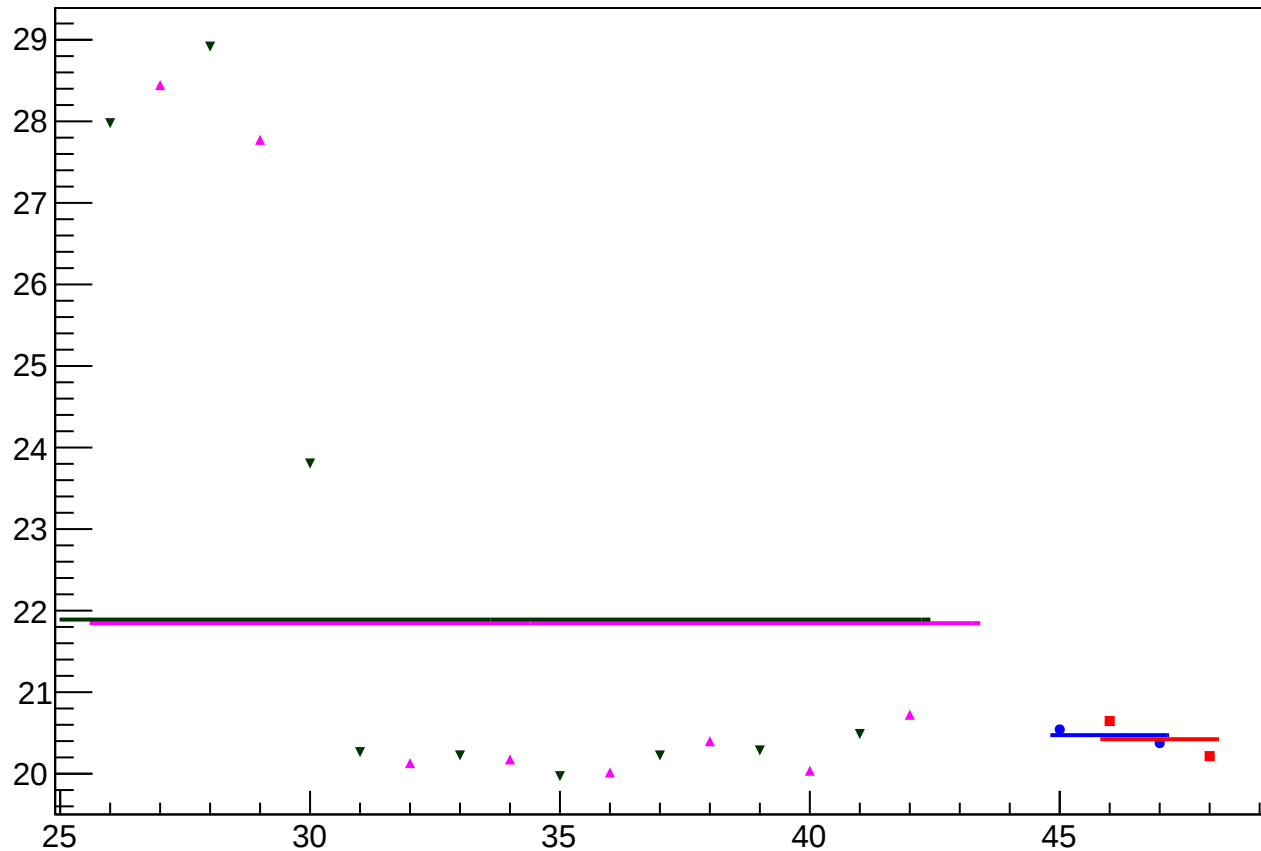
Right Out: -34.463 $\pm$ 21.974 χ^2 /NDF: 0.3/1

Left In: -12.356 $\pm$ 9.741 χ^2 /NDF: 9.9/7

1.038 $\pm$ 9.053 χ^2 /NDF: 4.1/10

-15.987 $\pm$ 8.906 χ^2 /NDF: 11.0/9

asym_bcm_dg_ds_cav4cQ_agg_dd_rms vs slug



Right In: 20.473+/-0.014 χ^2/NDF : 34.2/1

Left Out: 21.890+/-0.007 χ^2/NDF : 181663.5/8

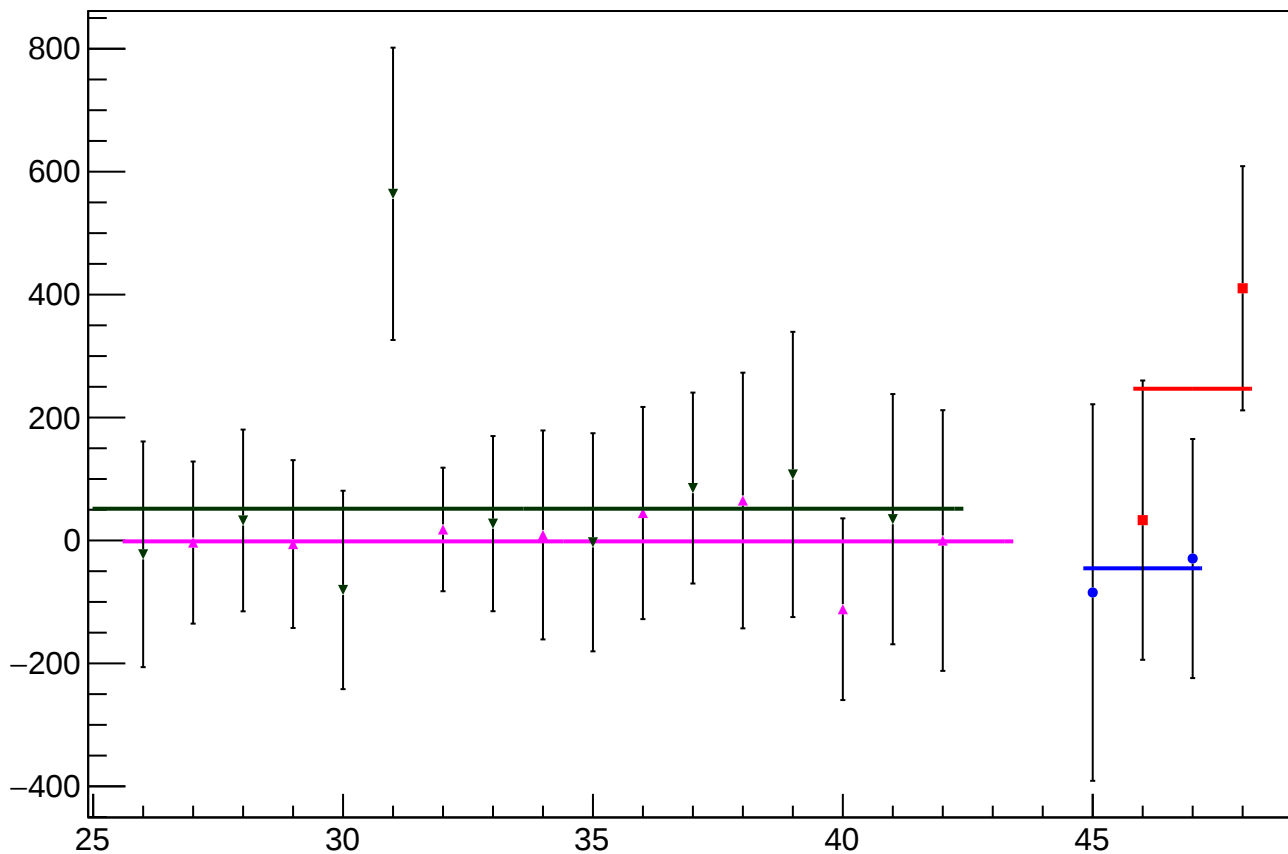
21.600+/-0.006 χ^2/NDF : 189692.5/10

Right Out: 20.423+/-0.016 χ^2/NDF : 191.7/1

21.612+/-0.006 χ^2/NDF : 221251.2/9

Left In: 21.846+/-0.007 χ^2/NDF : 214051.0/7

asym_bcm_an_us_cav4cQ_agg_avg_mean vs slug



Right In: -45.292 $\pm$ 164.195 χ^2 /NDF: 0.0/1

Left Out: 51.653 $\pm$ 58.058 χ^2 /NDF: 5.7/8

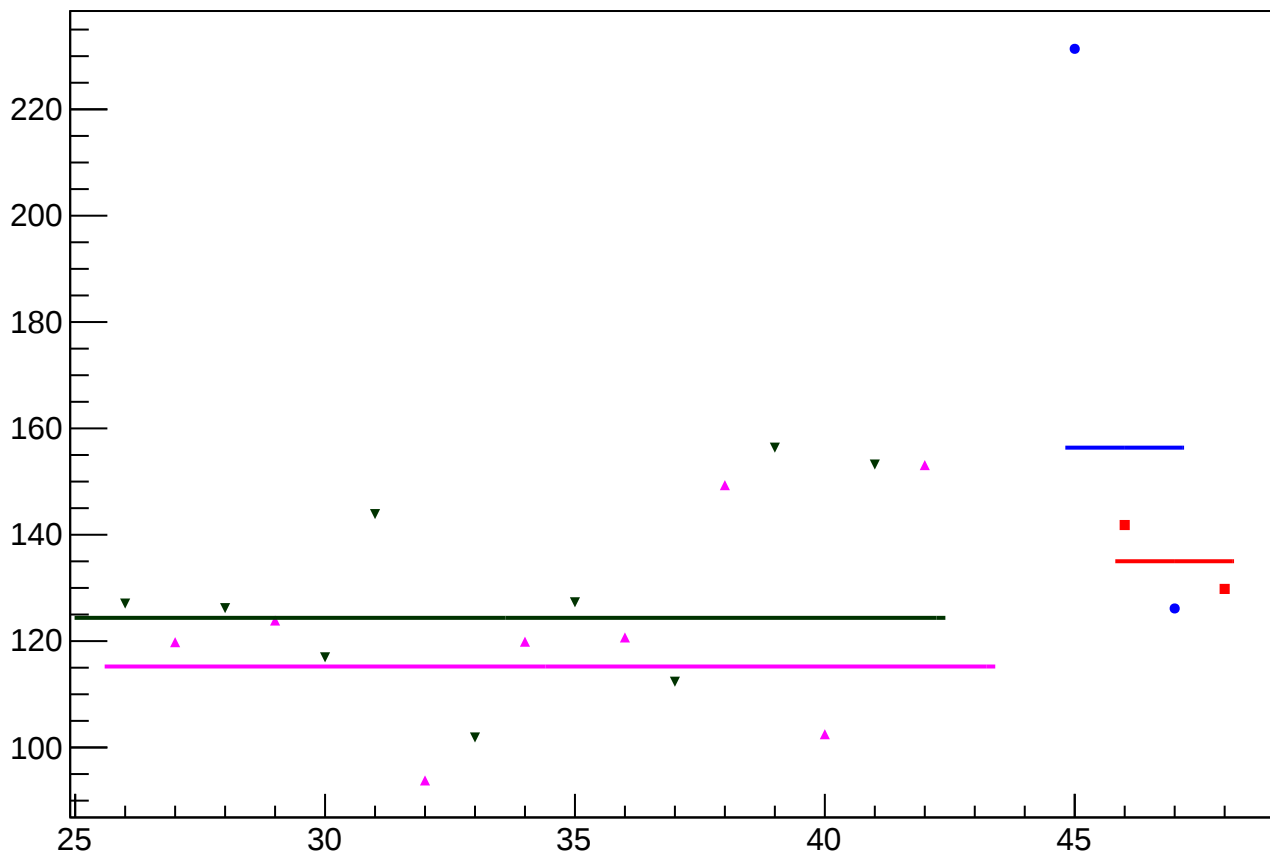
Right Out: 246.855 $\pm$ 149.551 χ^2 /NDF: 1.6/1

Left In: -1.485 $\pm$ 52.029 χ^2 /NDF: 0.8/7

40.879 $\pm$ 54.737 χ^2 /NDF: 6.1/10

25.328 $\pm$ 49.140 χ^2 /NDF: 4.8/9

asym_bcm_an_us_cav4cQ_agg_avg_rms vs slug



Right In: 156.380 $\pm$ 0.116 χ^2 /NDF: 168243.8/1

Left Out: 124.375 $\pm$ 0.041 χ^2 /NDF: 158935.2/8

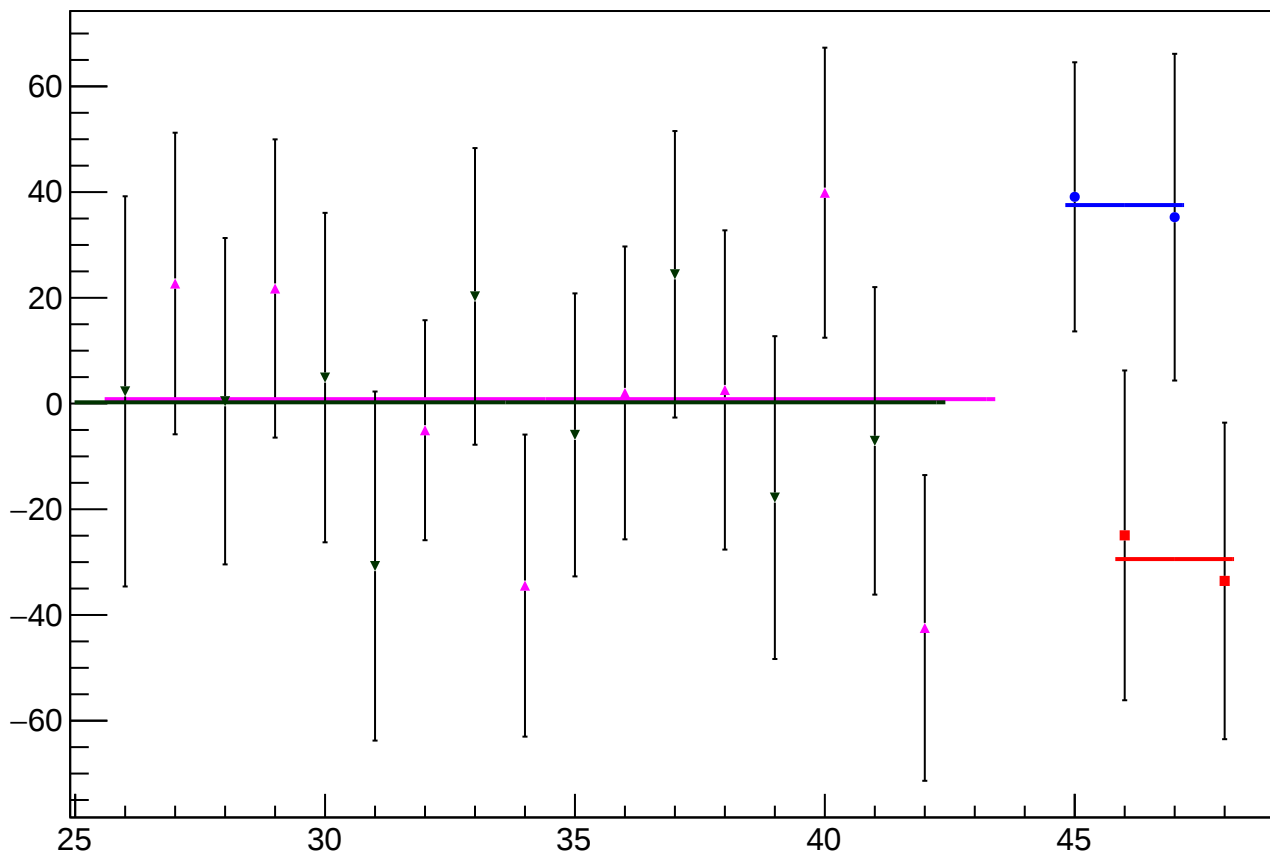
Right Out: 135.019 $\pm$ 0.106 χ^2 /NDF: 3170.2/1

Left In: 115.224 $\pm$ 0.037 χ^2 /NDF: 237198.7/7

127.932 $\pm$ 0.039 χ^2 /NDF: 394720.8/10

117.361 $\pm$ 0.035 χ^2 /NDF: 271625.9/9

asym_bcm_an_us_cav4cQ_agg_dd_mean vs slug



Right In: 37.547+/-19.649 χ^2/NDF : 0.0/1

Left Out: 0.232+/-9.994 χ^2/NDF : 2.7/8

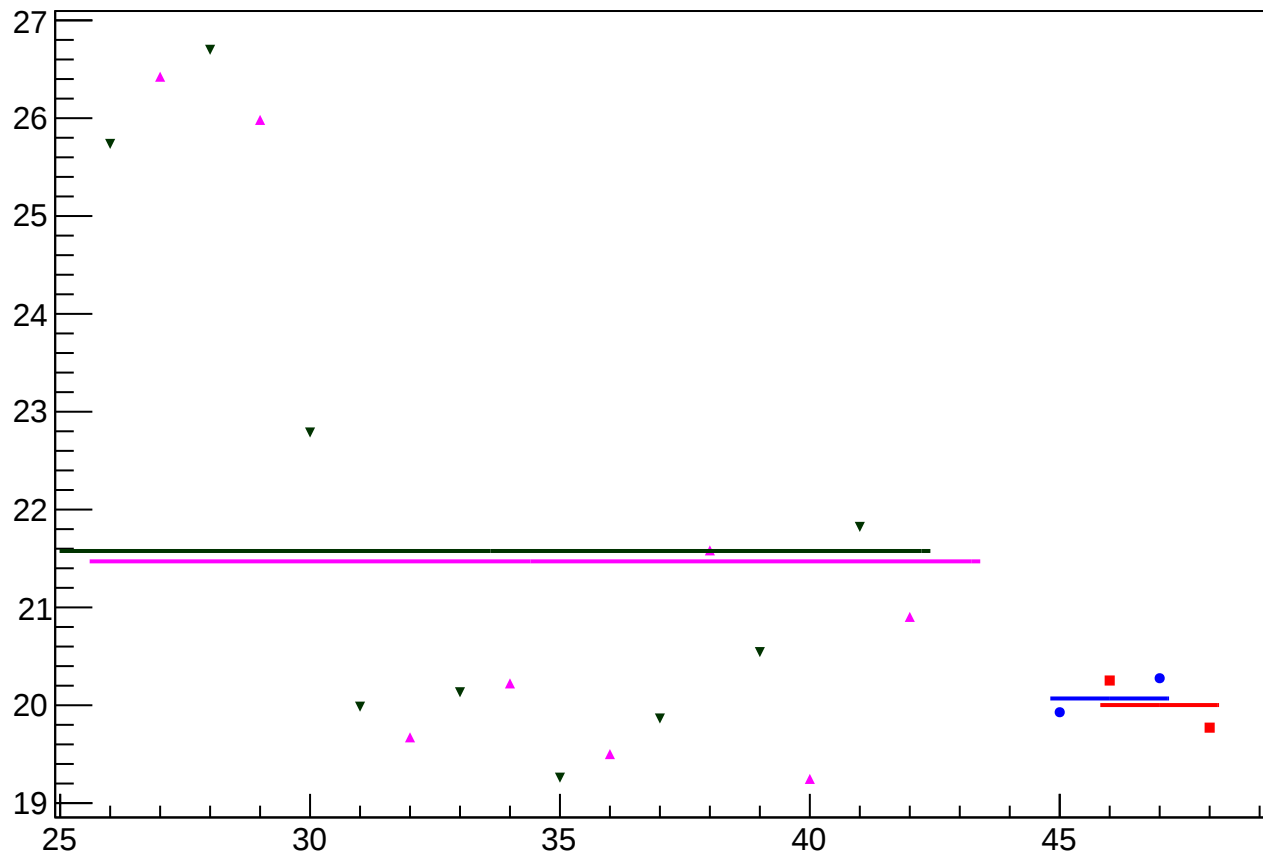
Right Out: -29.423+/-21.601 χ^2/NDF : 0.0/1

Left In: 0.830+/-9.559 χ^2/NDF : 7.0/7

7.902+/-8.908 χ^2/NDF : 5.6/10

-4.125+/-8.742 χ^2/NDF : 8.7/9

asym_bcm_an_us_cav4cQ_agg_dd_rms vs slug



Right In: 20.069 $\pm$ 0.014 χ^2 /NDF: 150.7/1

Left Out: 21.577 $\pm$ 0.007 χ^2 /NDF: 118812.1/8

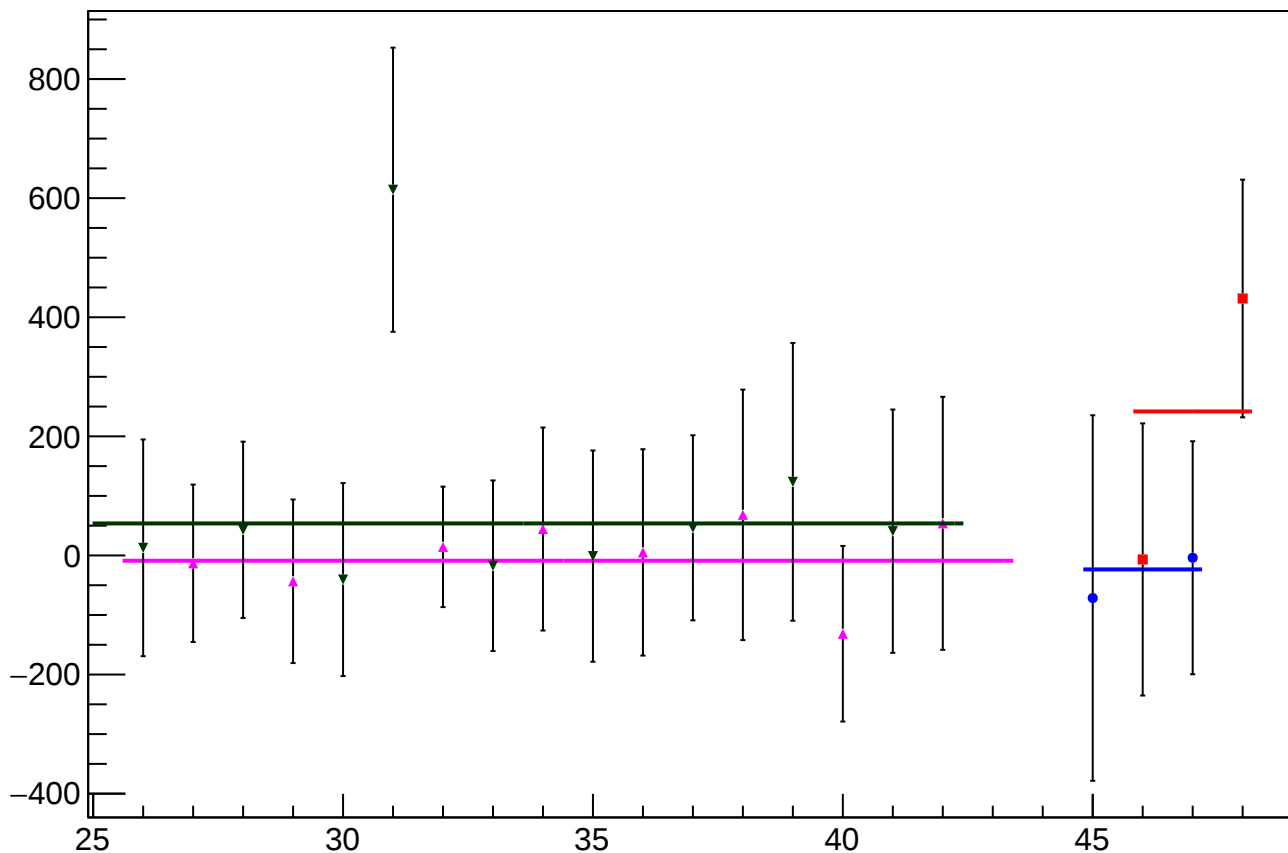
Right Out: 20.002 $\pm$ 0.015 χ^2 /NDF: 248.4/1

Left In: 21.471 $\pm$ 0.007 χ^2 /NDF: 154241.5/7

21.267 $\pm$ 0.006 χ^2 /NDF: 128313.3/10

21.230 $\pm$ 0.006 χ^2 /NDF: 162220.1/9

asym_bcm_an_ds_cav4cQ_agg_avg_mean vs slug



Right In: -23.439 ± 164.981 $\chi^2/\text{NDF}: 0.0/1$

Left Out: 53.739 ± 58.143 $\chi^2/\text{NDF}: 6.3/8$

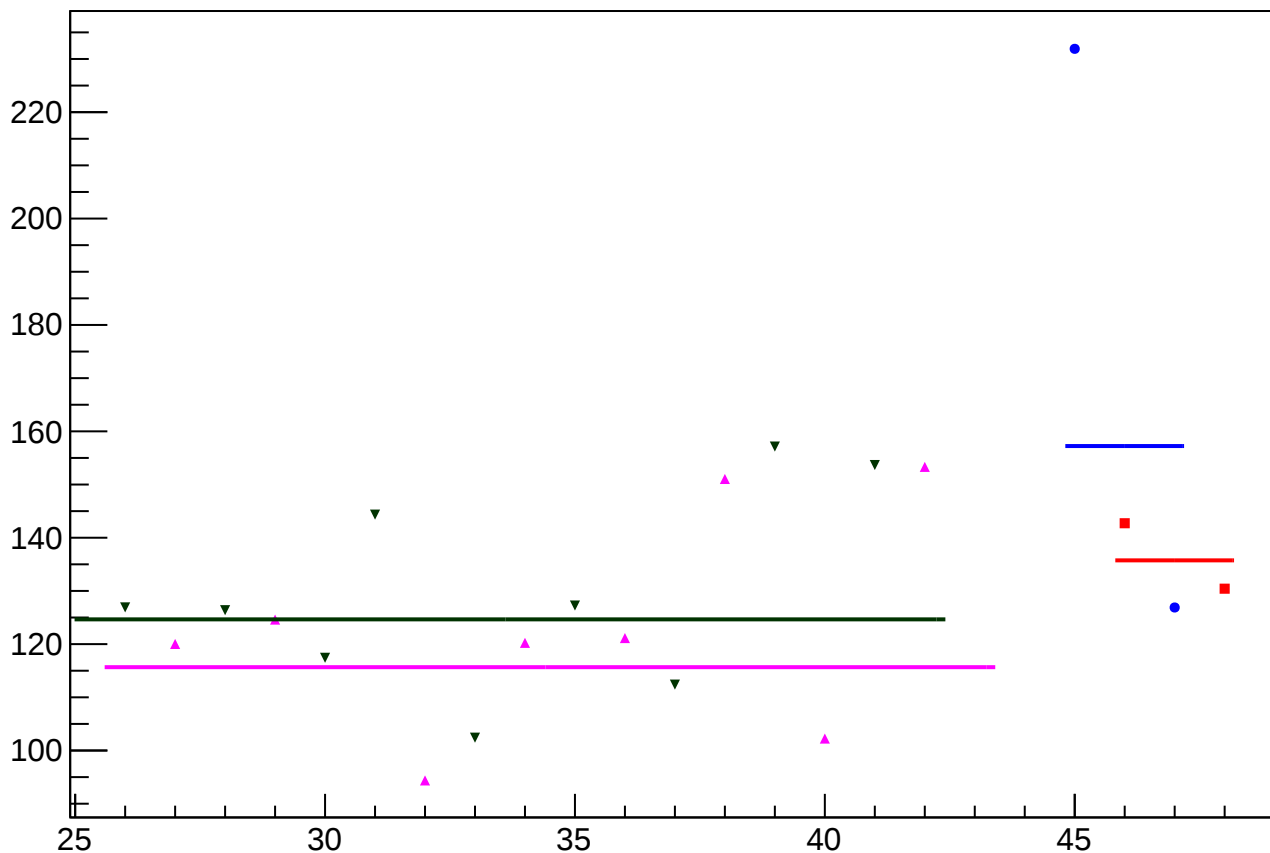
Right Out: 241.812 ± 150.311 $\chi^2/\text{NDF}: 2.1/1$

Left In: -8.870 ± 52.228 $\chi^2/\text{NDF}: 1.1/7$

45.213 ± 54.837 $\chi^2/\text{NDF}: 6.6/10$

18.134 ± 49.334 $\chi^2/\text{NDF}: 5.7/9$

asym_bcm_an_ds_cav4cQ_agg_avg_rms vs slug



Right In: 157.236+/-0.117 χ^2/NDF : 166522.0/1

Left Out: 124.654+/-0.041 χ^2/NDF : 158453.5/8

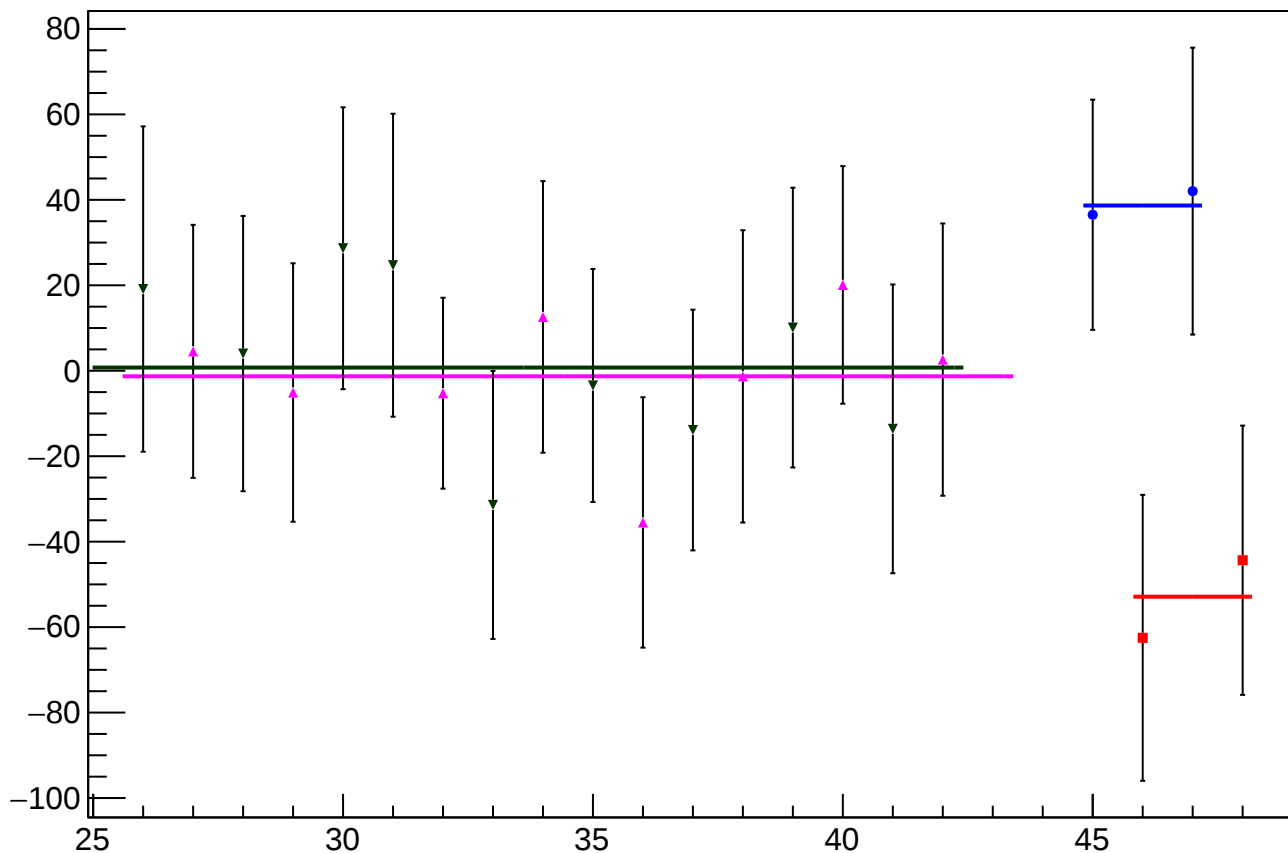
Right Out: 135.746+/-0.106 χ^2/NDF : 3289.9/1

Left In: 115.666+/-0.037 χ^2/NDF : 238759.2/7

128.254+/-0.039 χ^2/NDF : 394359.2/10

117.829+/-0.035 χ^2/NDF : 273895.5/9

asym_bcm_an_ds_cav4cQ_agg_dd_mean vs slug



Right In: 38.675+/-21.011 χ^2/NDF : 0.0/1

Left Out: 0.747+/-10.661 χ^2/NDF : 3.0/8

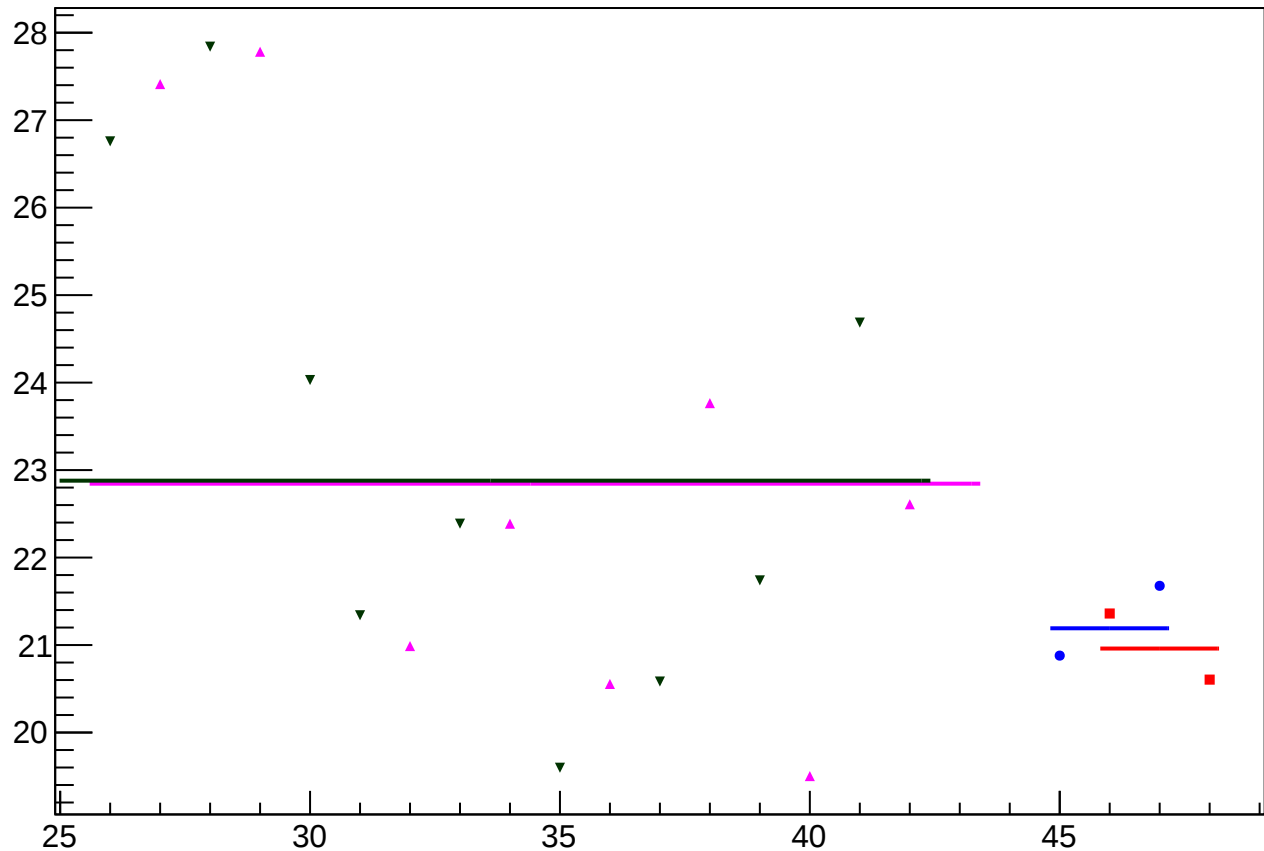
Right Out: -52.882+/-22.940 χ^2/NDF : 0.2/1

Left In: -1.298+/-10.246 χ^2/NDF : 2.2/7

8.513+/-9.507 χ^2/NDF : 5.6/10

-9.877+/-9.355 χ^2/NDF : 6.6/9

asym_bcm_an_ds_cav4cQ_agg_dd_rms vs slug



Right In: 21.192 $\pm$ 0.015 χ^2 /NDF: 687.1/1

Left Out: 22.879 $\pm$ 0.008 χ^2 /NDF:125279.7/8

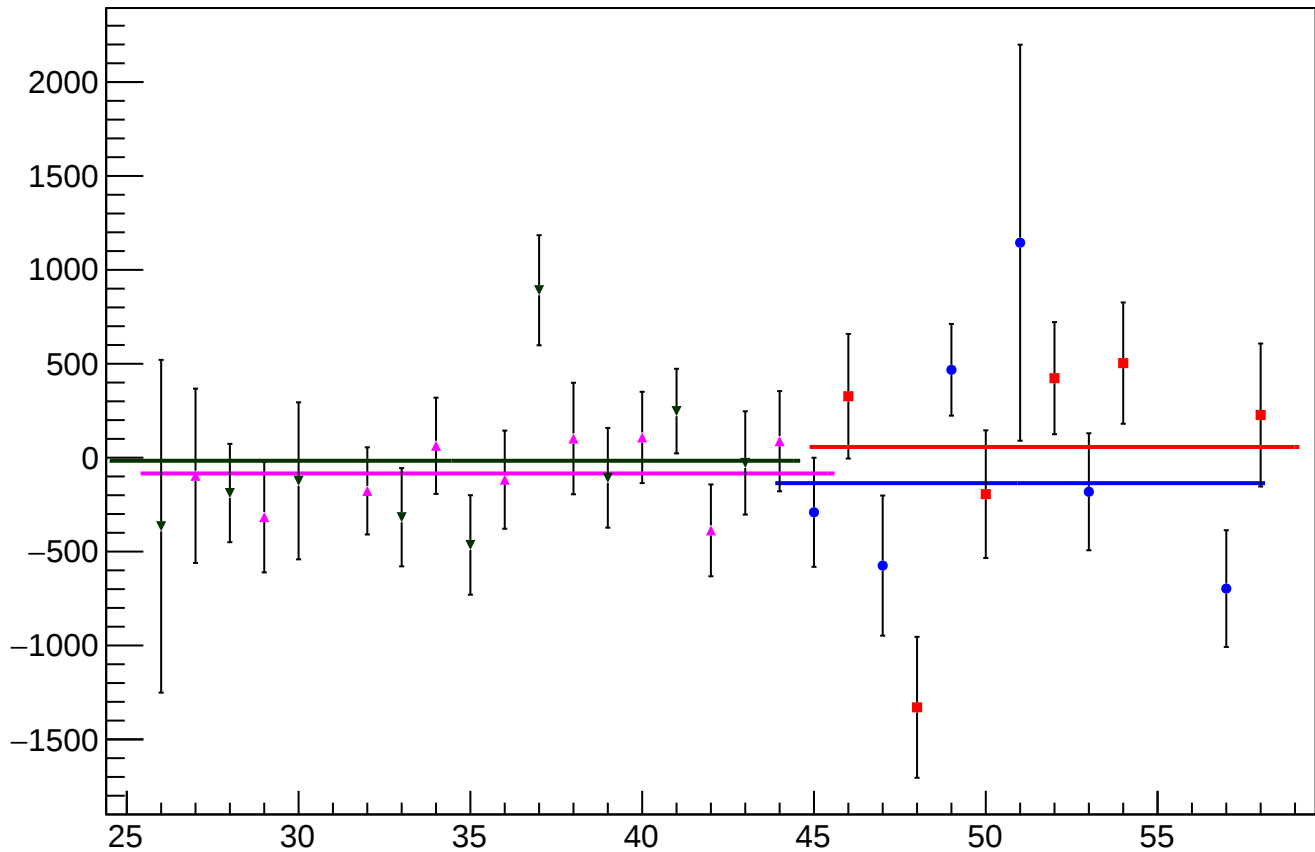
Right Out: 20.960 $\pm$ 0.016 χ^2 /NDF: 540.7/1

Left In: 22.845 $\pm$ 0.007 χ^2 /NDF:157790.8/7

22.533 $\pm$ 0.007 χ^2 /NDF: 136226.3/10

22.531 $\pm$ 0.007 χ^2 /NDF: 169585.5/9

asym_sam_15_avg_mean vs slug



Right In: -135.627 ± 132.017 $\chi^2/\text{NDF}: 12.5/5$

Left Out: -16.498 ± 95.684 $\chi^2/\text{NDF}: 15.9/8$

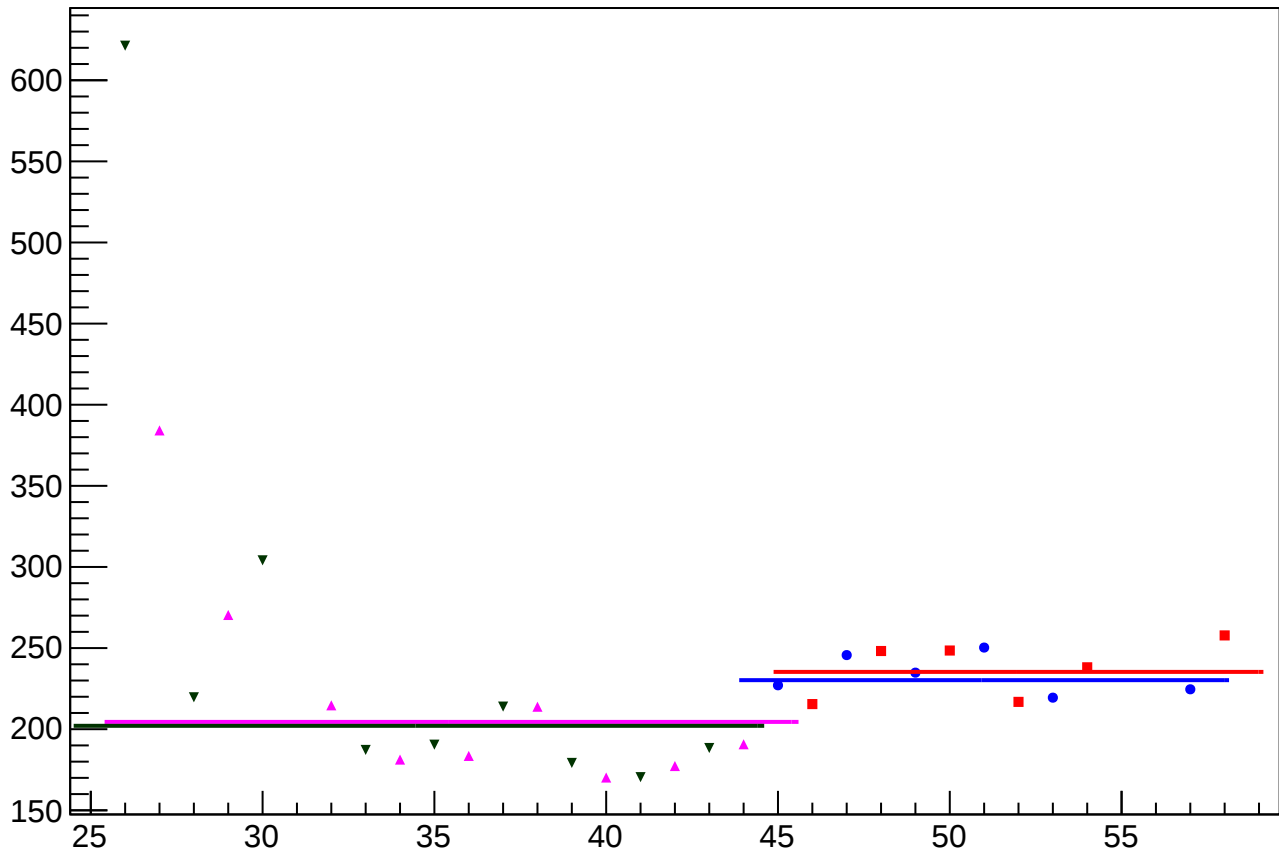
Right Out: 56.987 ± 137.952 $\chi^2/\text{NDF}: 18.5/5$

Left In: -83.982 ± 89.928 $\chi^2/\text{NDF}: 4.1/8$

-57.526 ± 77.475 $\chi^2/\text{NDF}: 29.0/14$

-41.943 ± 75.335 $\chi^2/\text{NDF}: 23.3/14$

asym_sam_15_avg_rms vs slug



Right In: 230.225+/-0.093 χ^2/NDF : 8172.3/5

Left Out: 202.088+/-0.068 χ^2/NDF : 648842.0/8

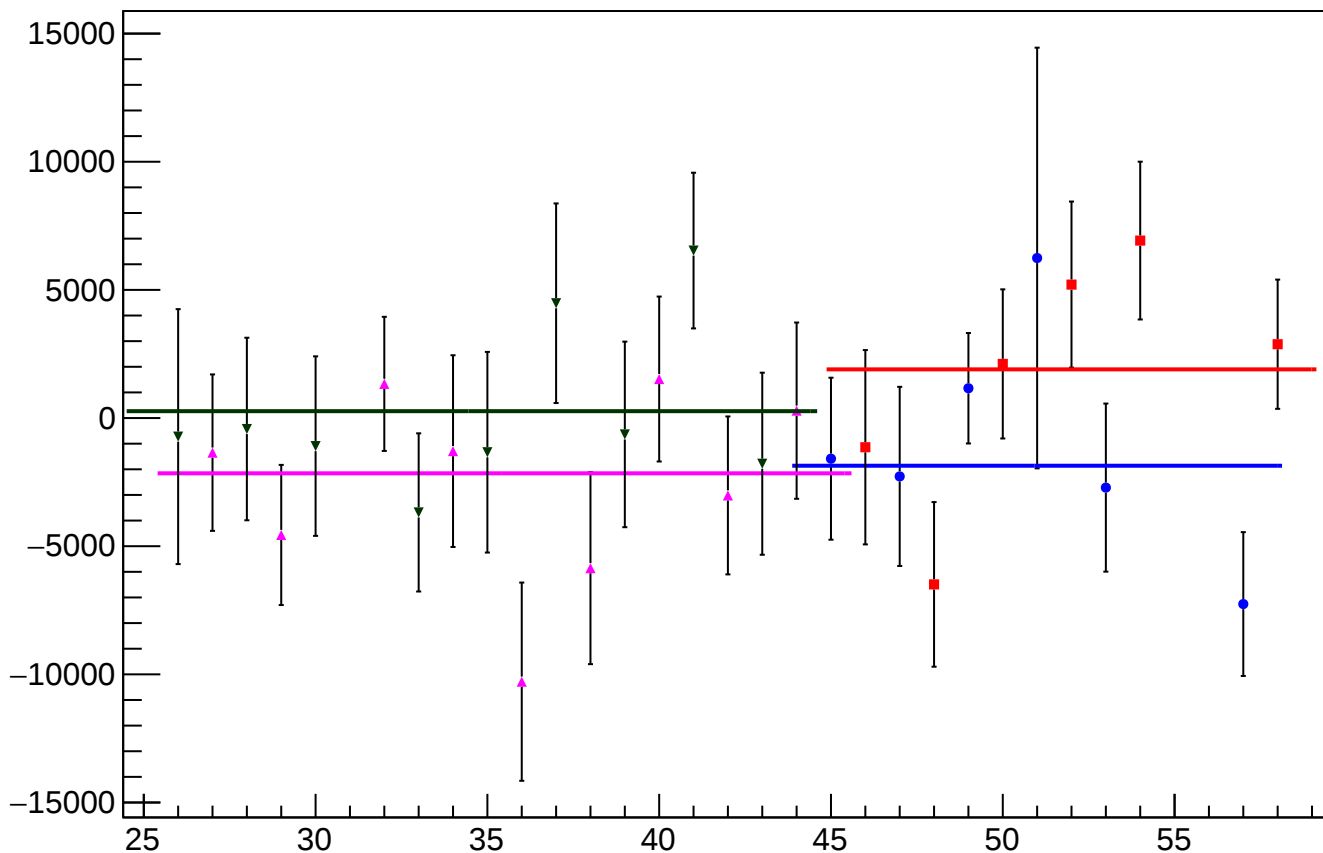
Right Out: 235.321+/-0.098 χ^2/NDF : 27304.8/5

Left In: 204.496+/-0.064 χ^2/NDF : 504865.3/8

211.778+/-0.055 χ^2/NDF : 716577.1/14

213.689+/-0.053 χ^2/NDF : 602244.9/14

asym_sam_26_avg_mean vs slug



Right In: -1860.404+/-1257.580 χ^2/NDF : 6.7/5

Left Out: 267.989+/-1194.389 χ^2/NDF : 7.9/8

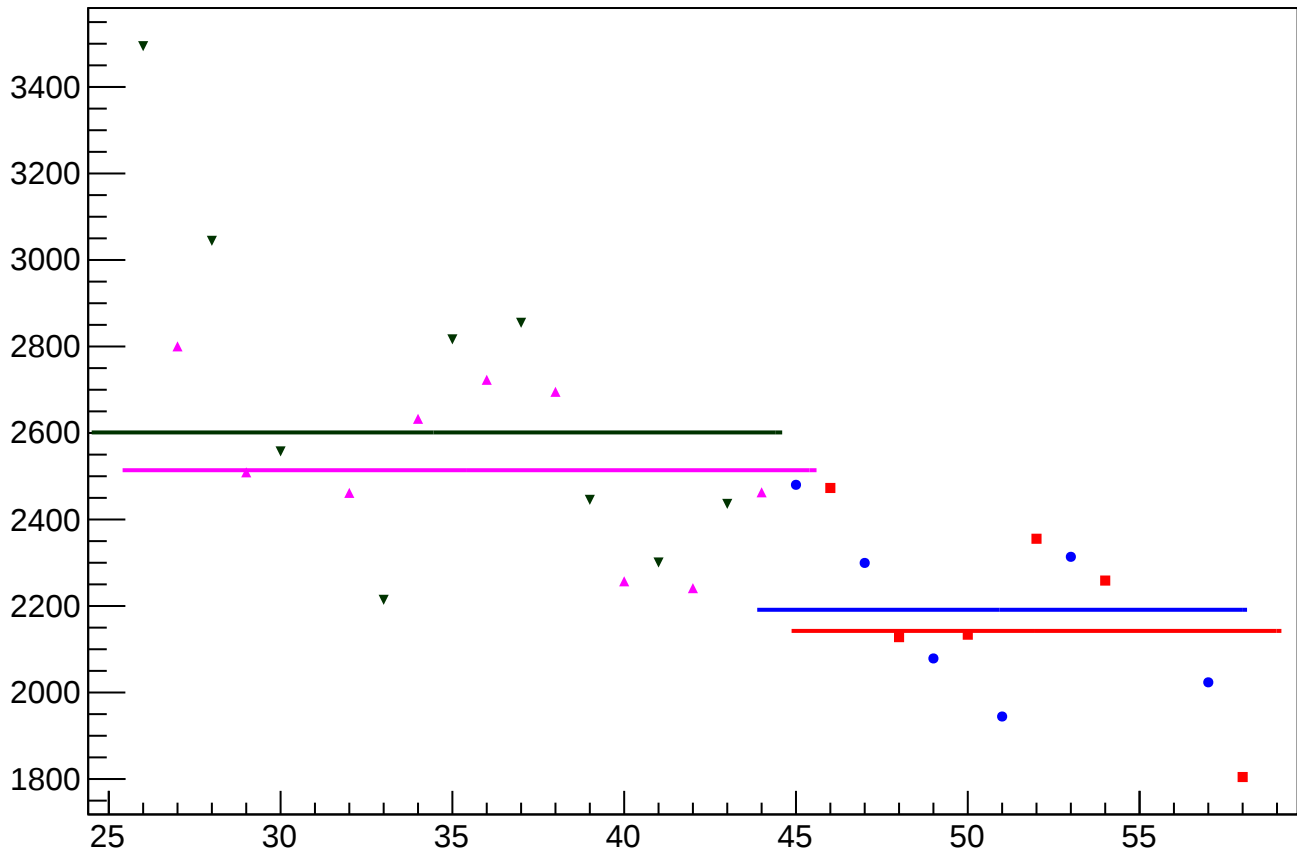
Right Out: 1899.322+/-1247.329 χ^2/NDF : 11.3/5

Left In: -2156.296+/-1063.957 χ^2/NDF : 10.0/8

-741.393+/-866.039 χ^2/NDF : 16.1/14

-448.238+/-809.476 χ^2/NDF : 27.4/14

asym_sam_26_avg_rms vs slug



Right In: 2191.257+/-0.889 χ^2/NDF : 35841.5/5

Left Out: 2601.288+/-0.845 χ^2/NDF : 169348.6/8

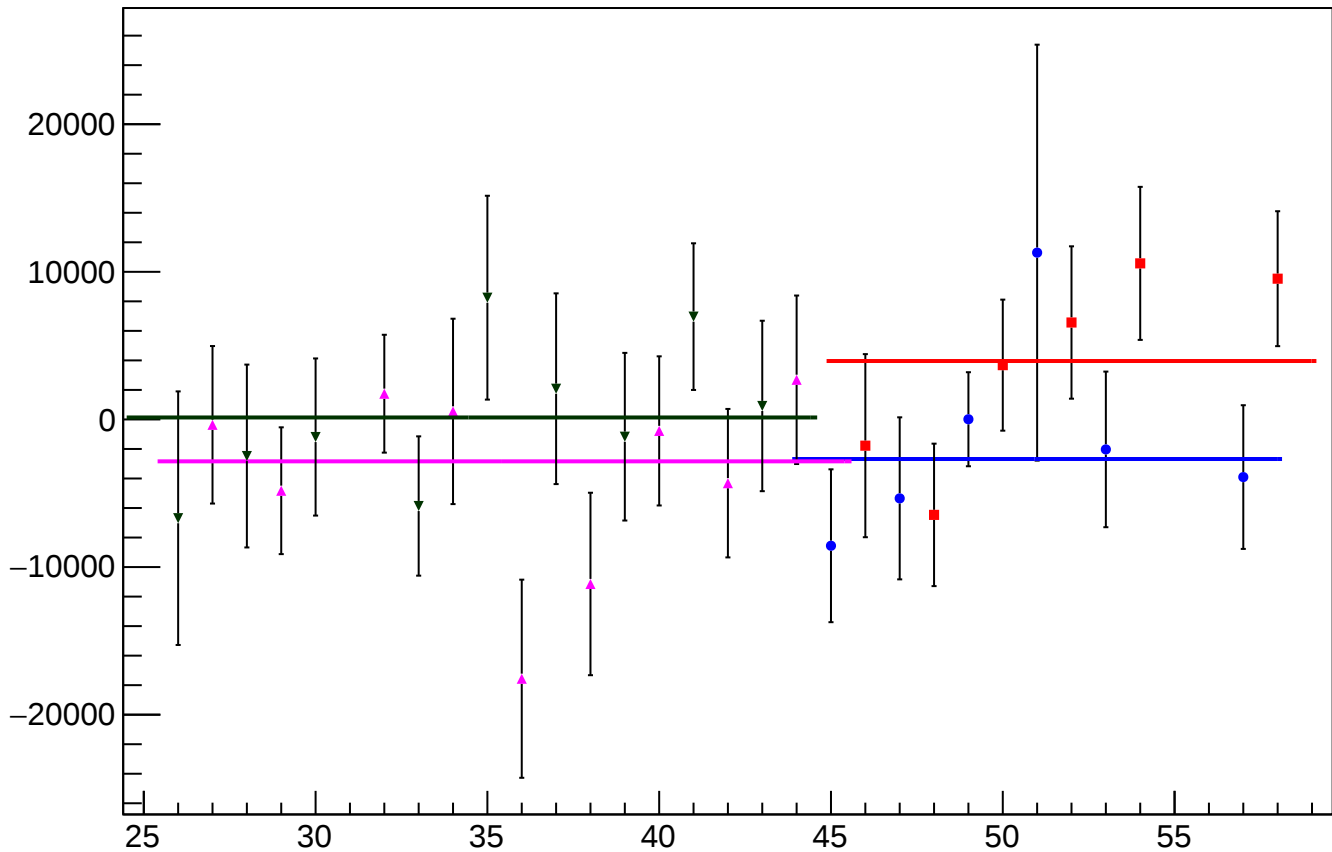
Right Out: 2142.413+/-0.882 χ^2/NDF : 62675.0/5

Left In: 2513.941+/-0.752 χ^2/NDF : 59816.2/8

2406.832+/-0.612 χ^2/NDF : 316973.1/14

2357.469+/-0.572 χ^2/NDF : 225200.9/14

asym_sam_37_avg_mean vs slug



Right In: -2679.722 ± 1990.838 $\chi^2/\text{NDF}: 3.3/5$

Left Out: 134.076 ± 1937.759 $\chi^2/\text{NDF}: 5.9/8$

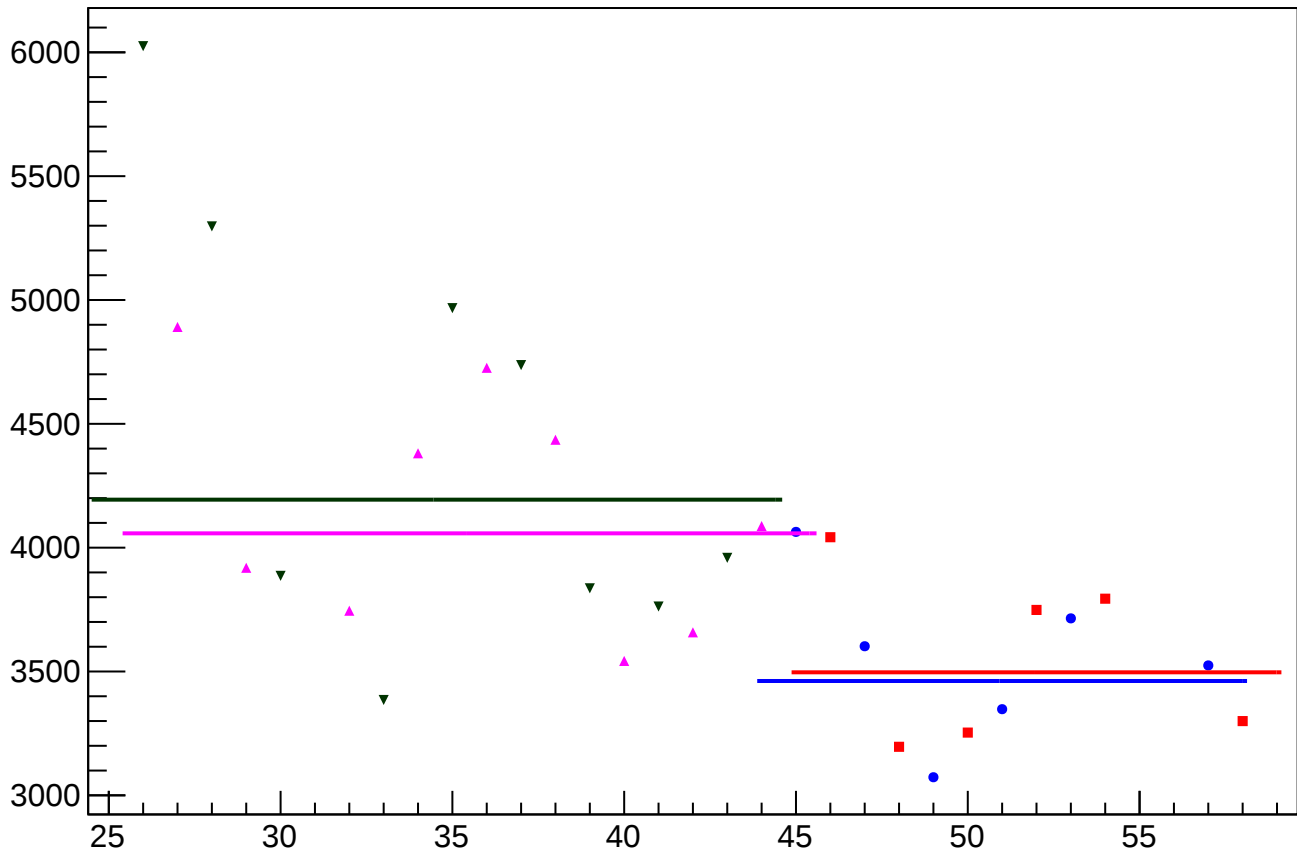
Right Out: 3958.476 ± 2031.309 $\chi^2/\text{NDF}: 8.9/5$

Left In: -2838.252 ± 1727.002 $\chi^2/\text{NDF}: 9.8/8$

-1234.812 ± 1388.588 $\chi^2/\text{NDF}: 10.2/14$

13.371 ± 1315.746 $\chi^2/\text{NDF}: 25.2/14$

asym_sam_37_avg_rms vs slug



Right In: 3461.656+/-1.408 χ^2/NDF : 63187.7/5

Left Out: 4193.825+/-1.370 χ^2/NDF : 285401.0/8

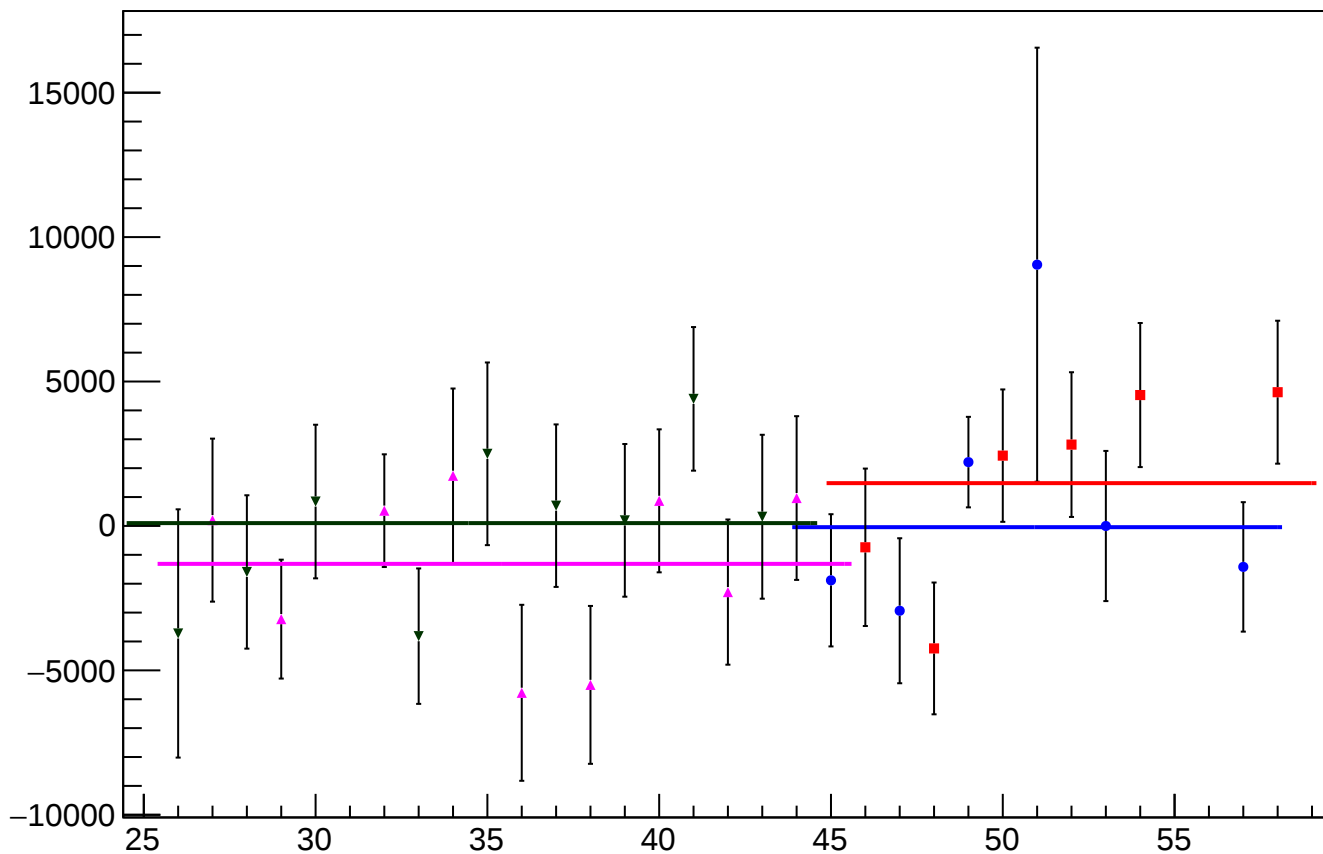
Right Out: 3496.706+/-1.436 χ^2/NDF : 44310.2/5

Left In: 4057.818+/-1.221 χ^2/NDF : 129253.0/8

3837.631+/-0.982 χ^2/NDF : 487497.2/14

3822.399+/-0.930 χ^2/NDF : 262143.3/14

asym_sam_48_avg_mean vs slug



Right In: -42.510+/-944.191 χ^2/NDF : 5.9/5

Left Out: 98.183+/-922.560 χ^2/NDF : 7.7/8

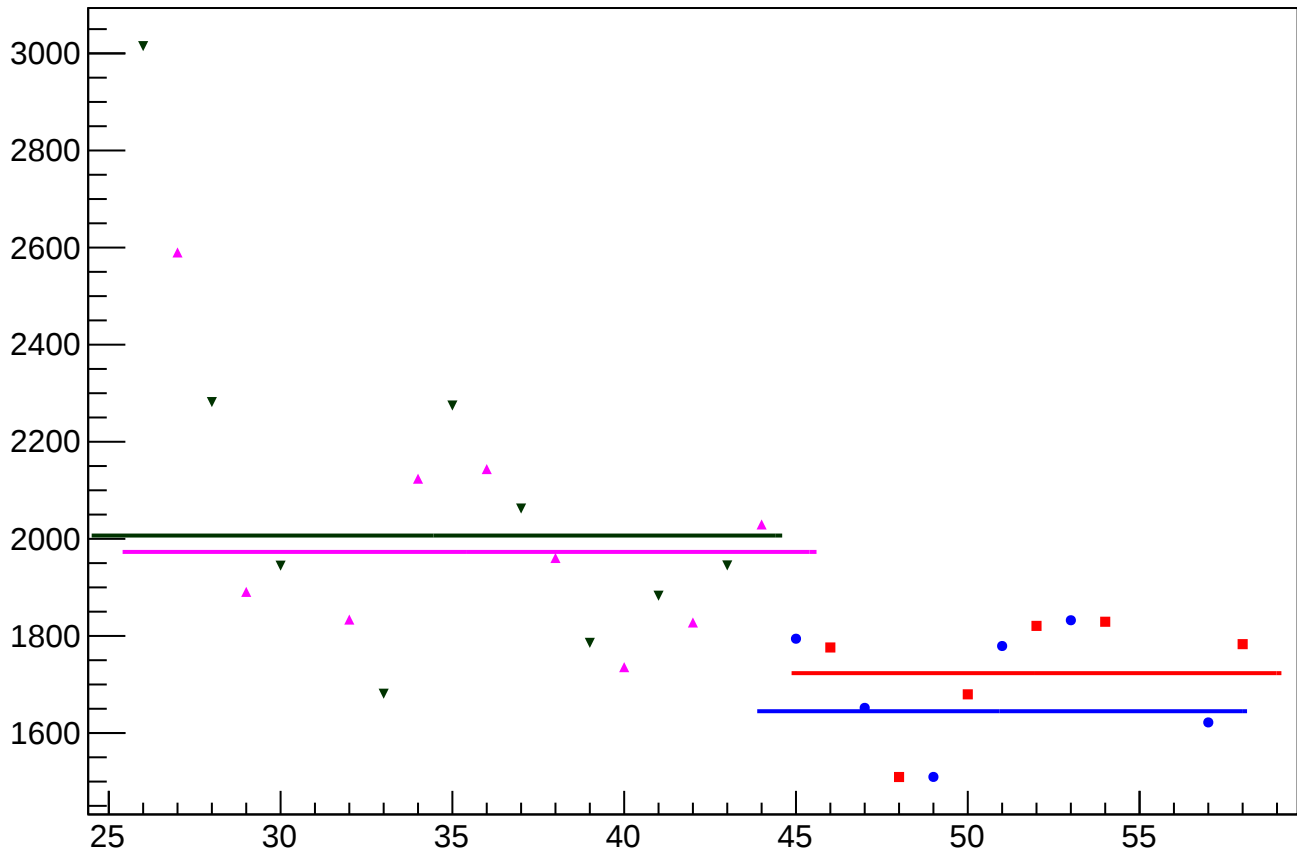
Right Out: 1481.643+/-999.682 χ^2/NDF : 10.5/5

Left In: -1313.019+/-838.748 χ^2/NDF : 9.1/8

29.466+/-659.863 χ^2/NDF : 13.6/14

-158.469+/-642.545 χ^2/NDF : 24.2/14

asym_sam_48_avg_rms vs slug



Right In: 1644.939+/-0.668 χ^2/NDF : 34695.2/5

Left Out: 2006.811+/-0.652 χ^2/NDF :206242.3/8

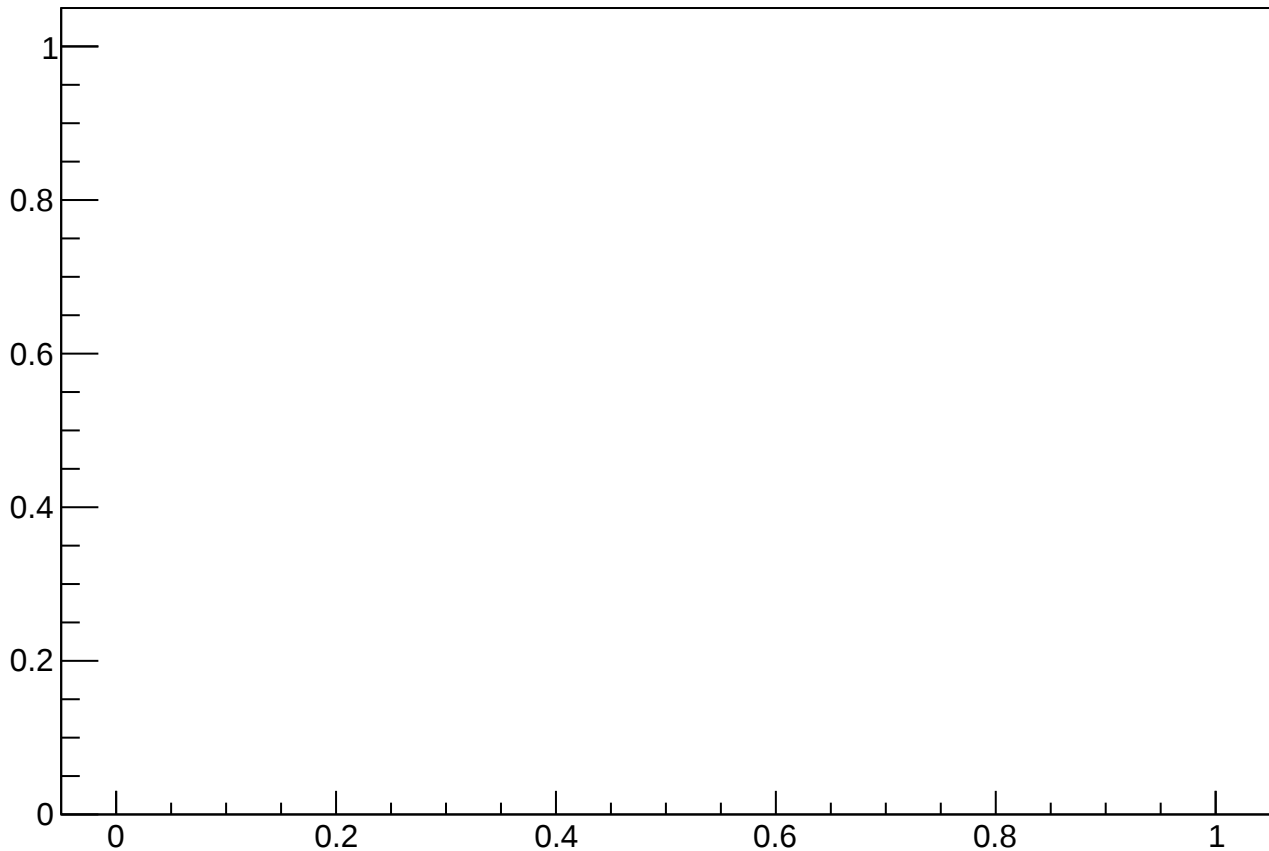
Right Out: 1723.350+/-0.707 χ^2/NDF : 26861.5/5

Left In: 1973.078+/-0.593 χ^2/NDF :146156.6/8

1830.067+/-0.467 χ^2/NDF : 391230.3/14

1869.909+/-0.454 χ^2/NDF : 246264.8/14

yield_sam_15_avg_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

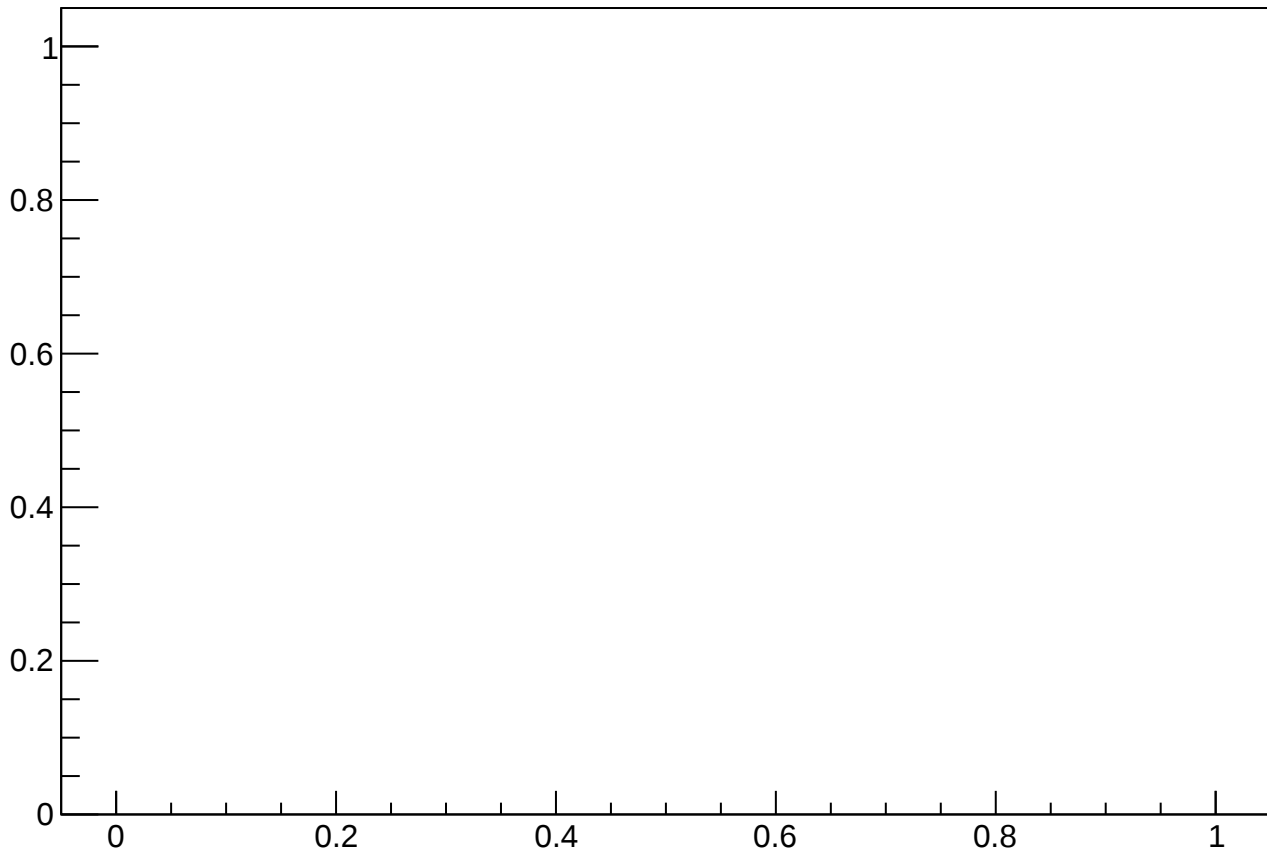
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_sam_15_avg_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

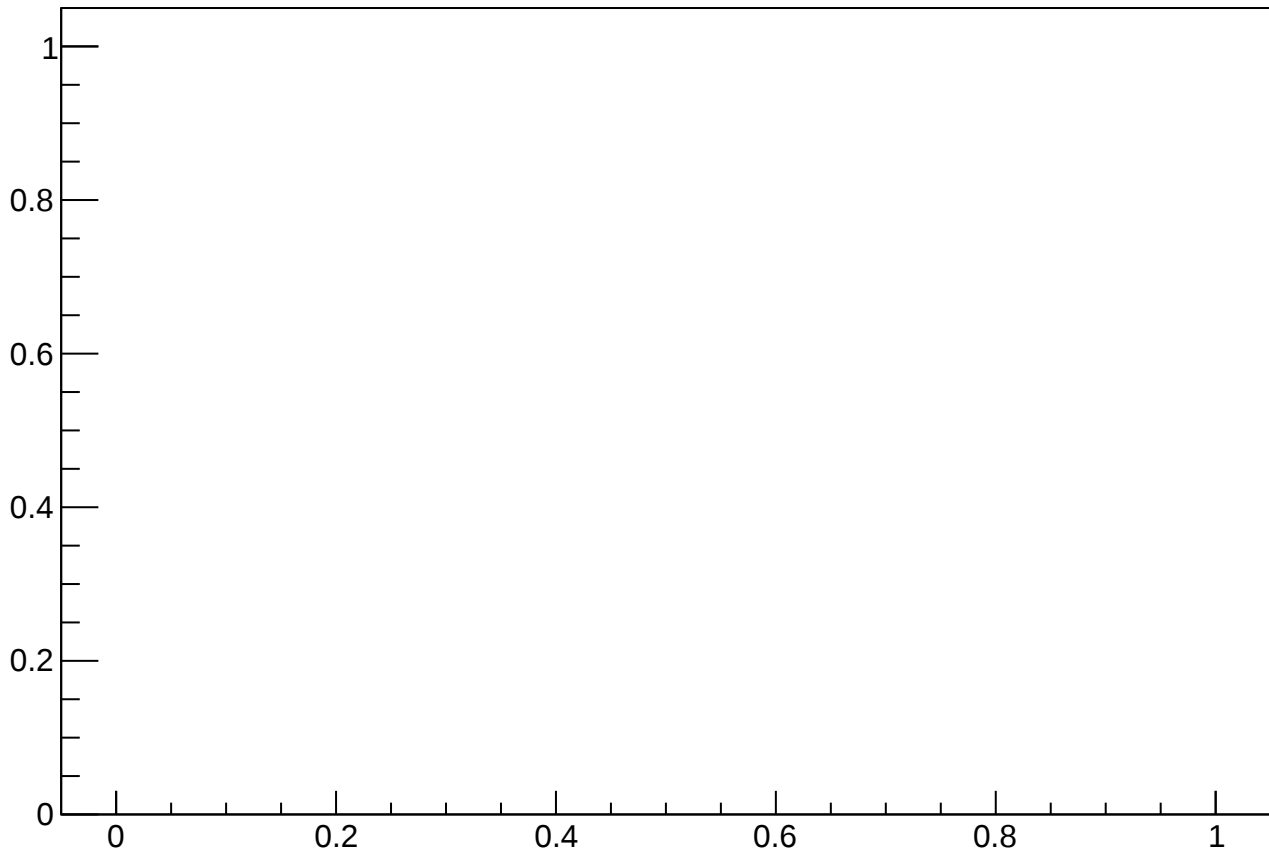
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_sam_26_avg_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

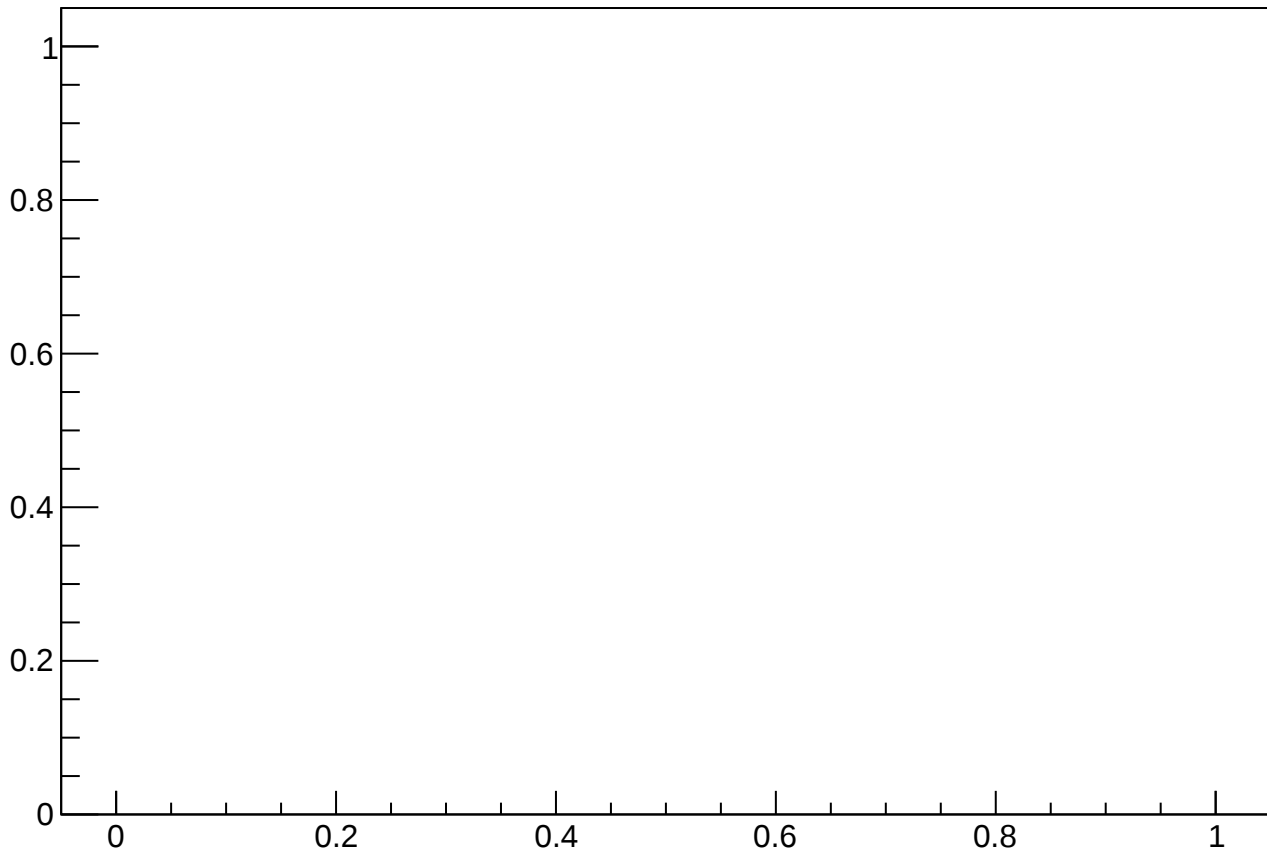
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_sam_26_avg_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

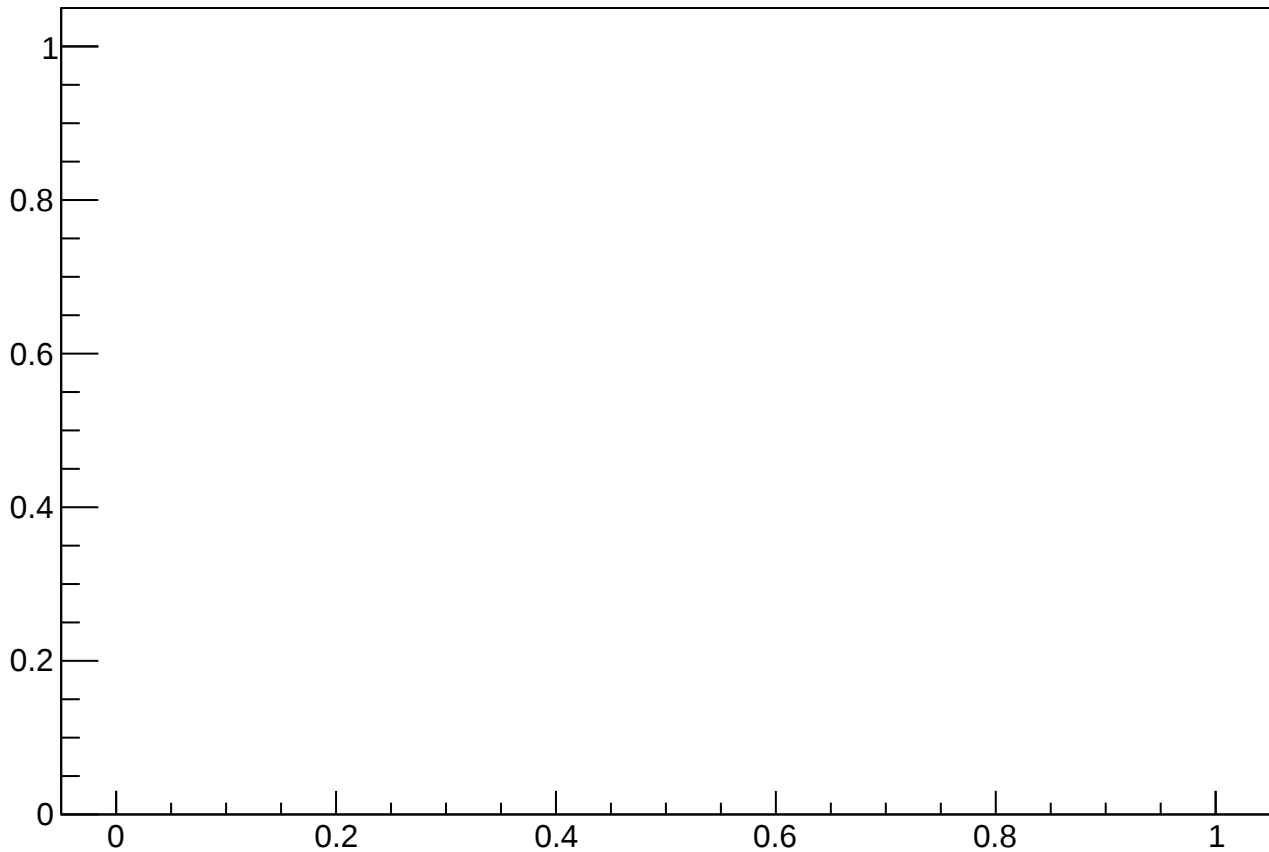
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_sam_37_avg_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

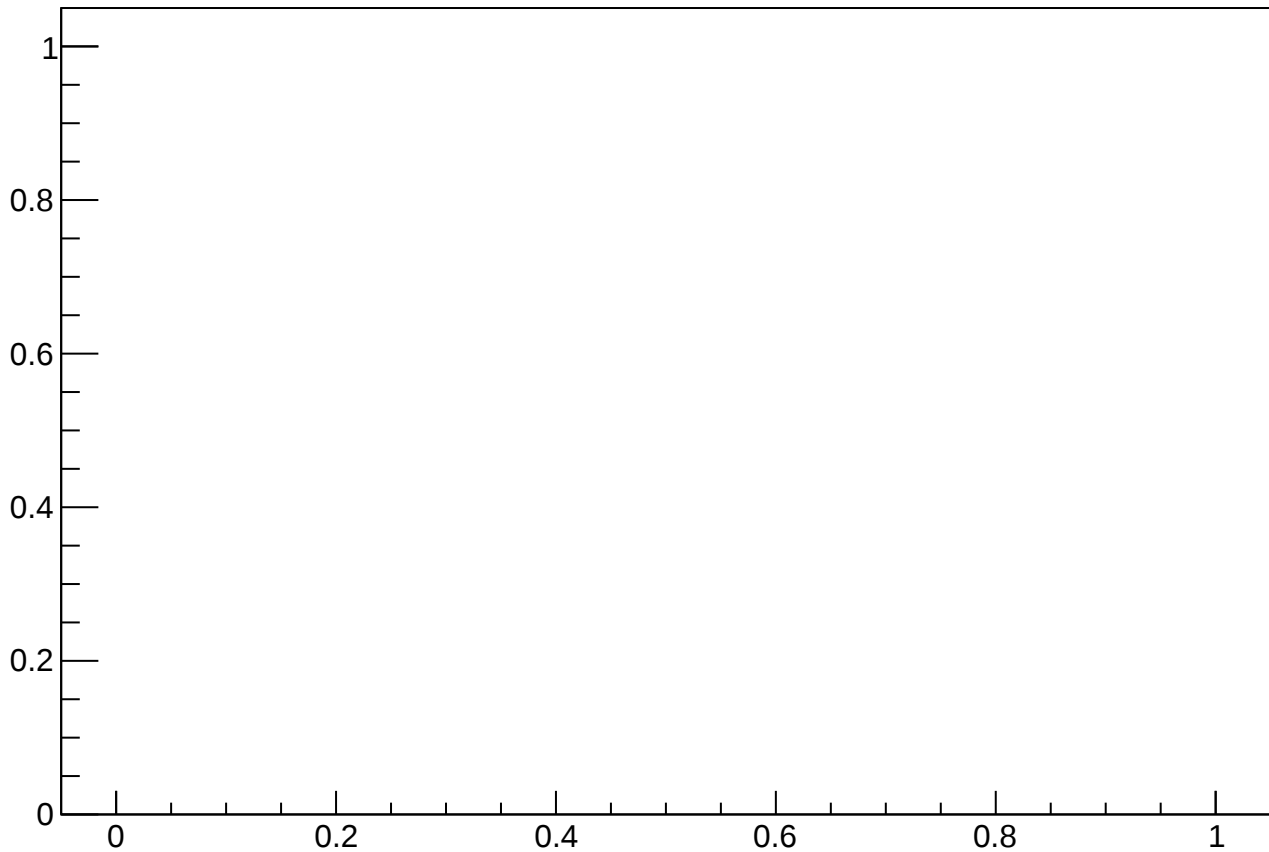
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_sam_37_avg_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

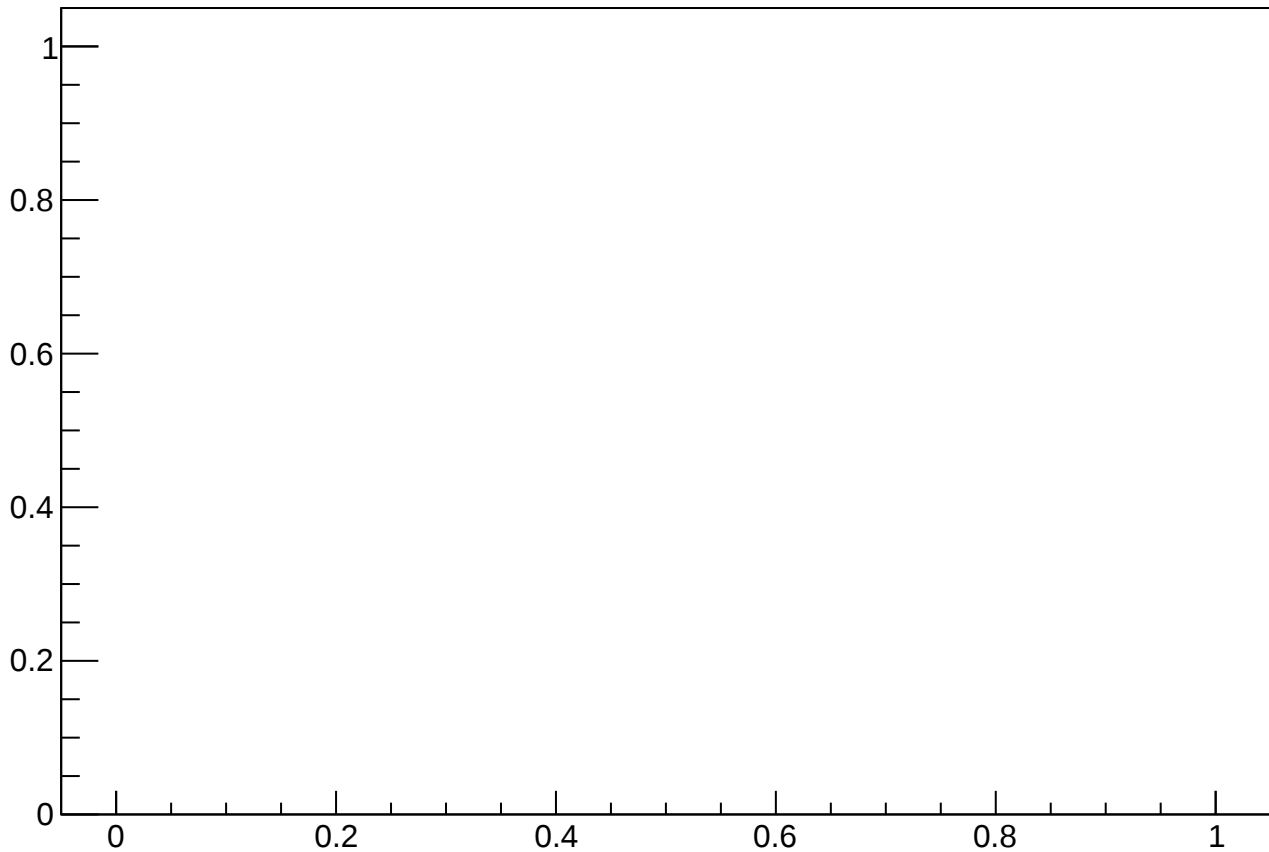
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_sam_48_avg_mean vs slug

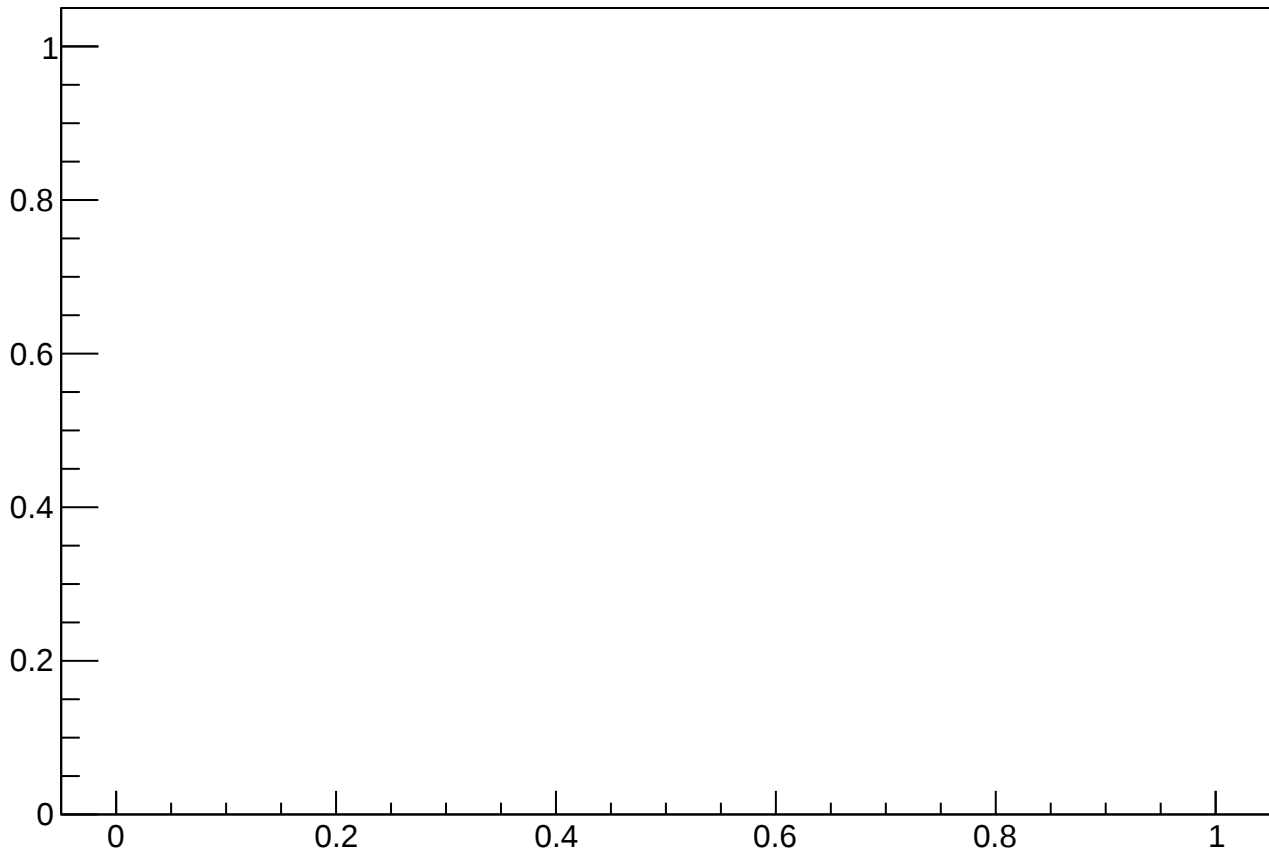


Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0
Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_sam_48_avg_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

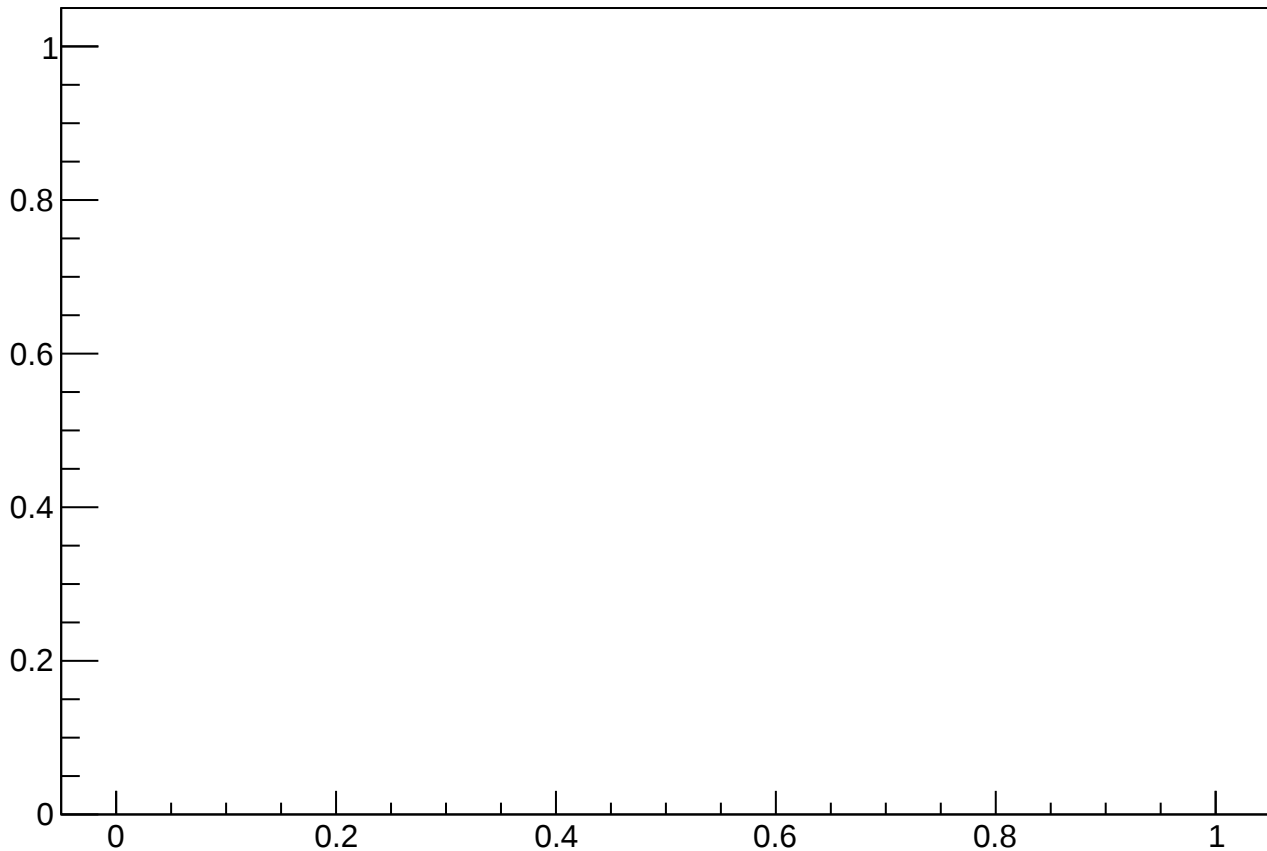
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

cor_sam_15_avg_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

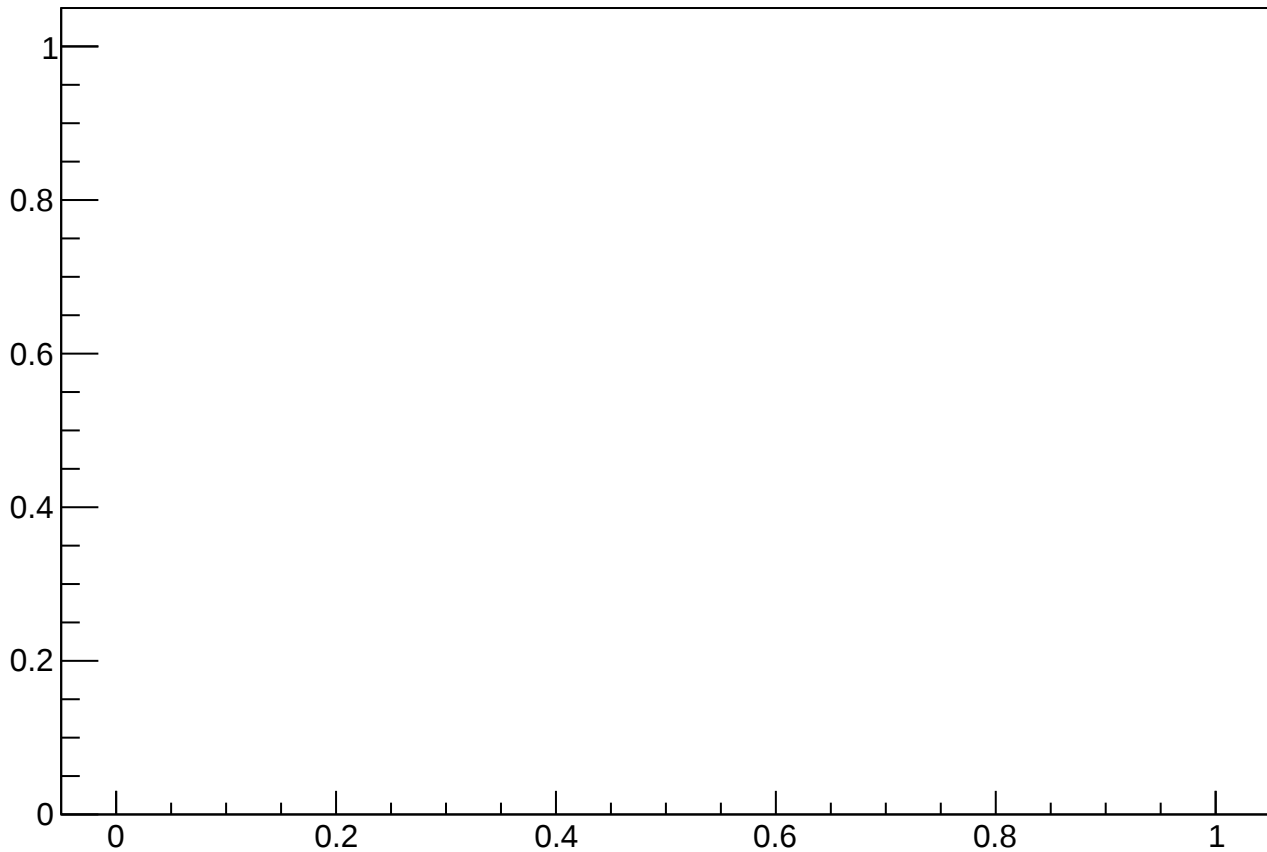
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

cor_sam_15_avg_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

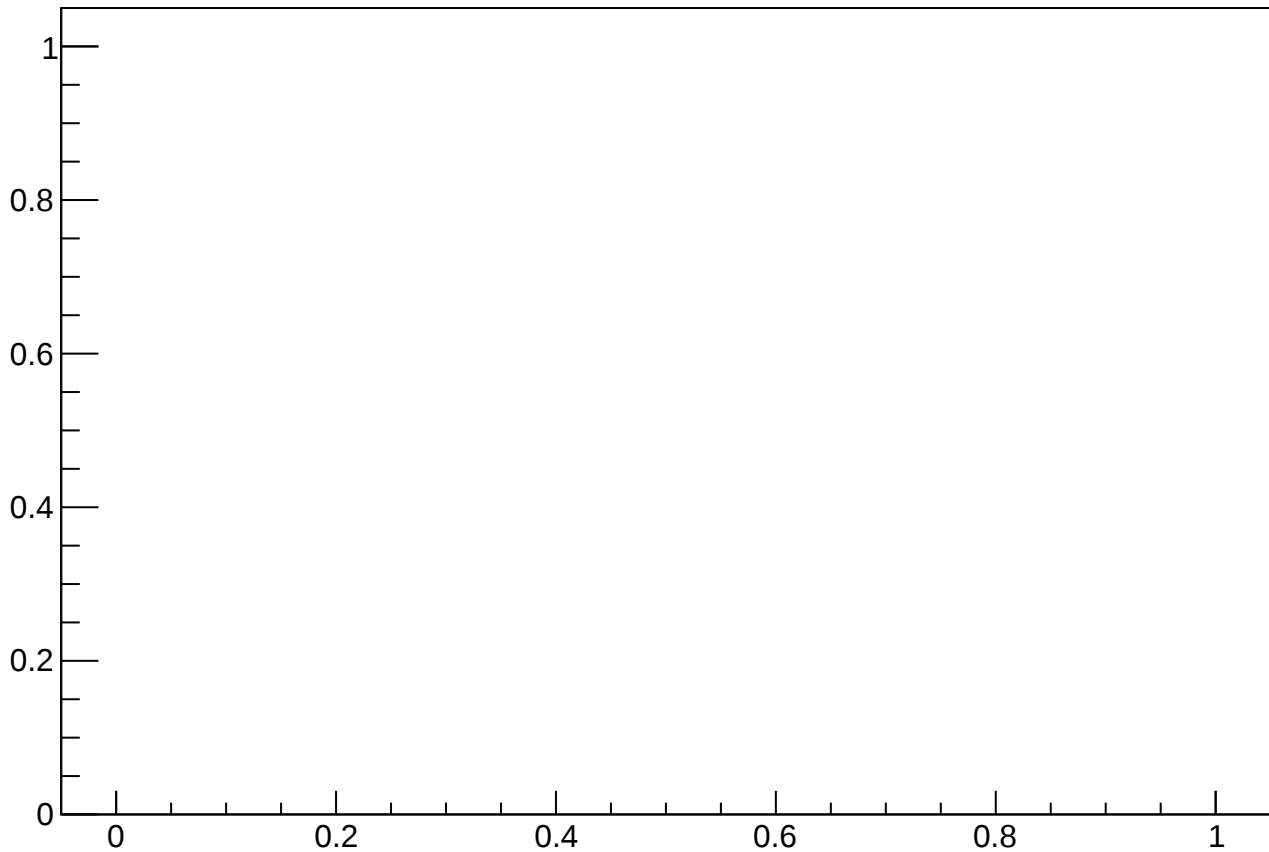
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

cor_sam_26_avg_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

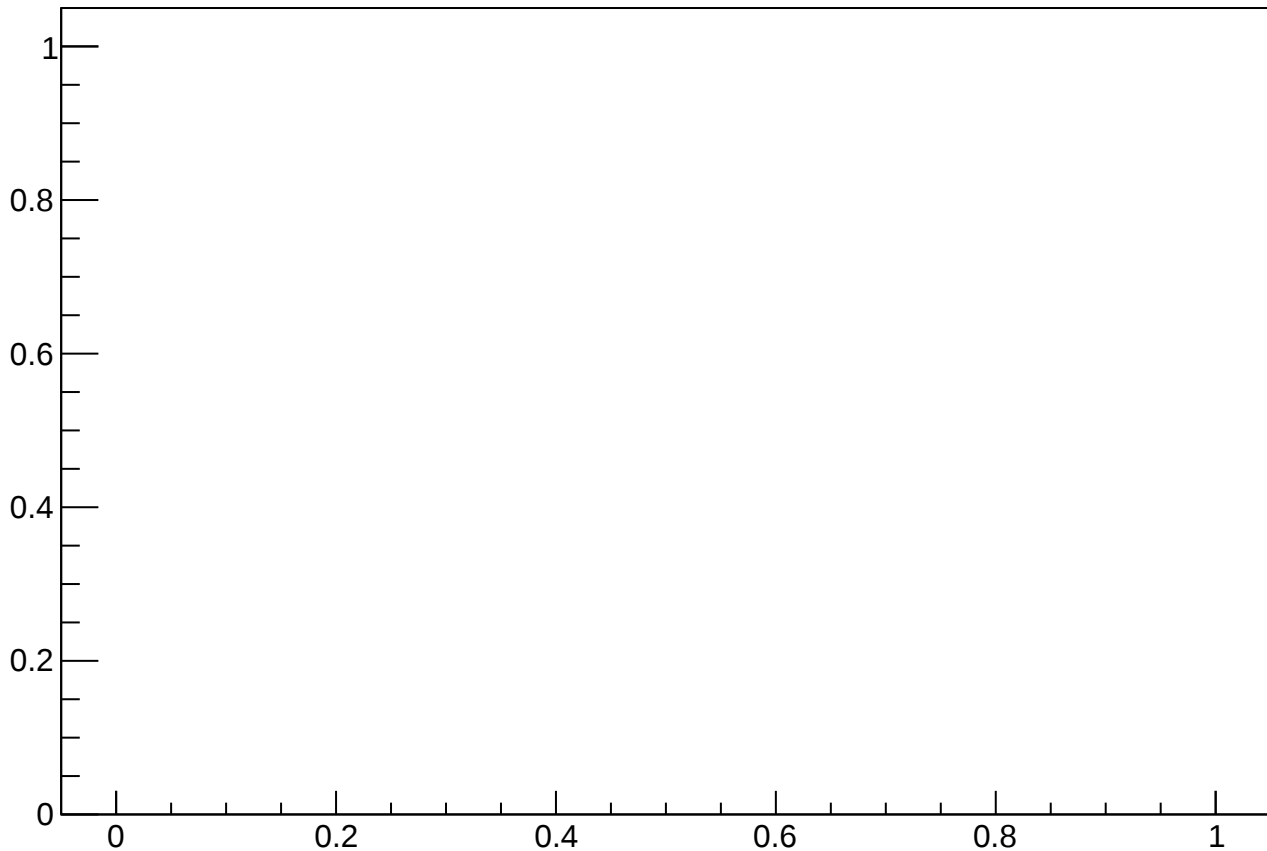
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

cor_sam_26_avg_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

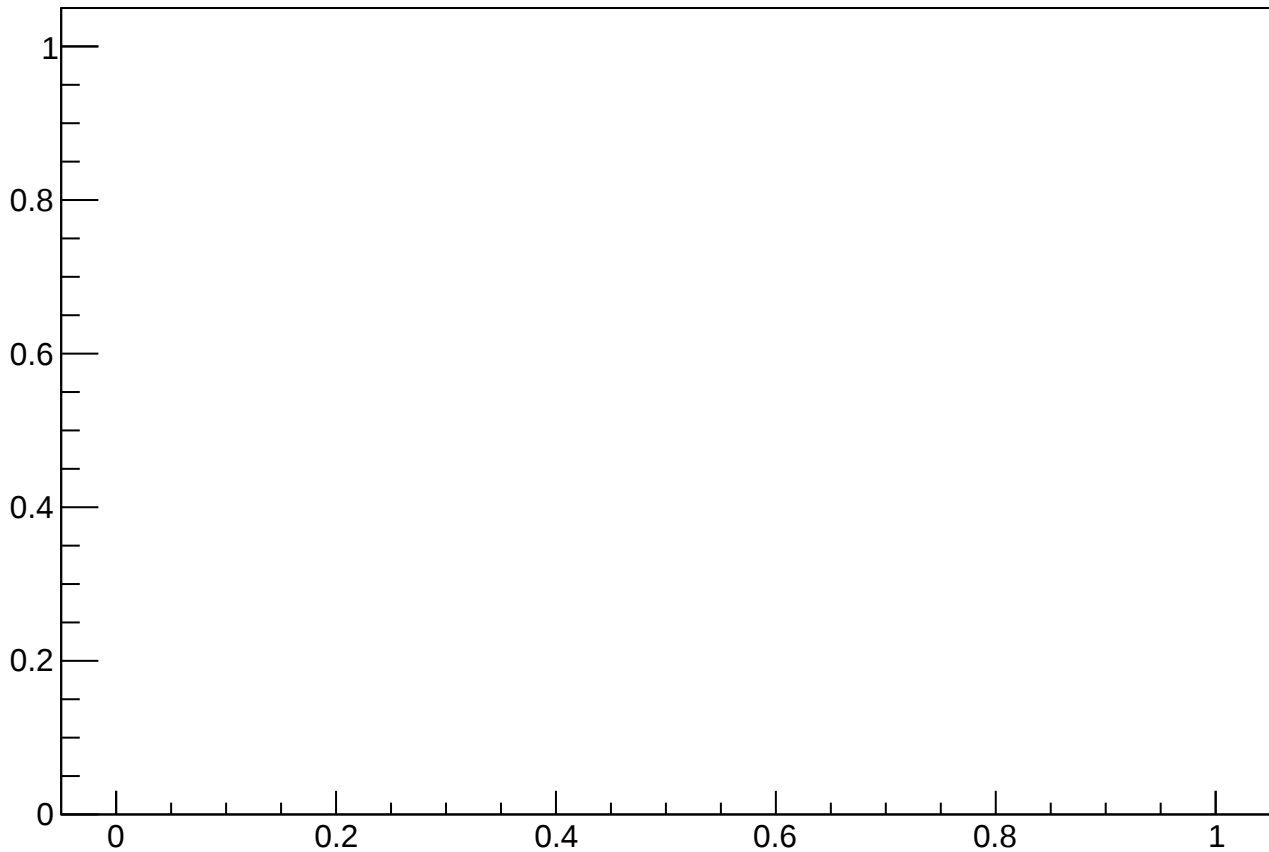
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

cor_sam_37_avg_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

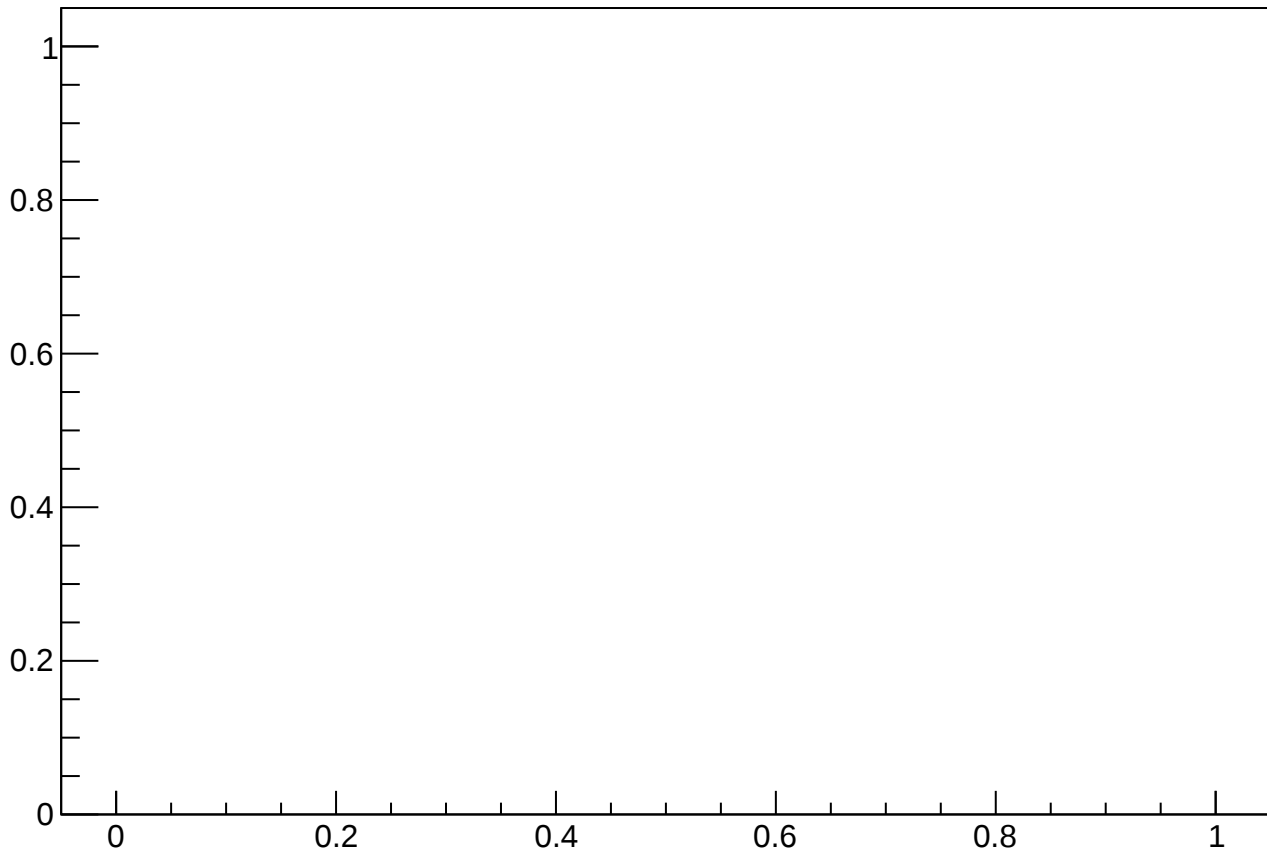
0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_sam_37_avg_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

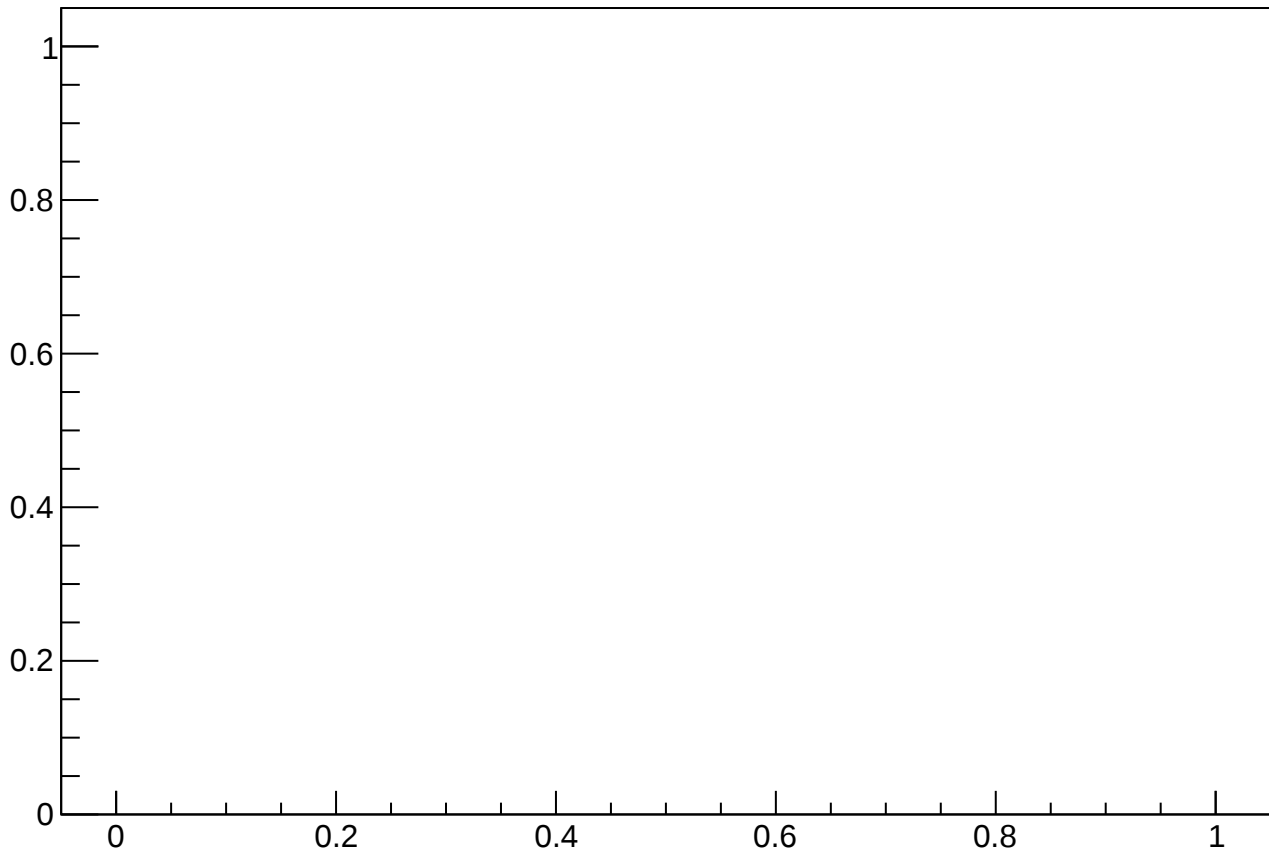
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

cor_sam_48_avg_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

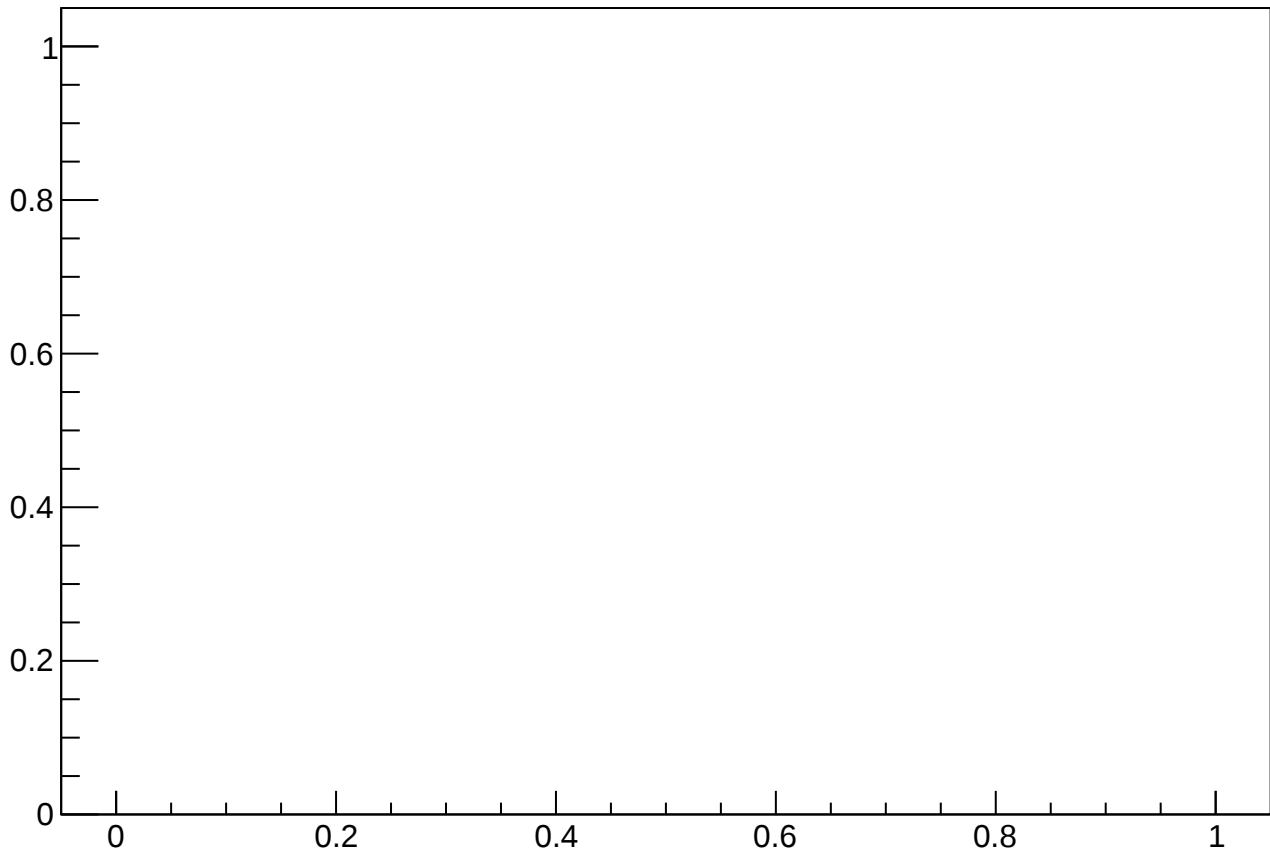
0.000+/-0.000 χ^2/NDF : 0.0/0

Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

cor_sam_48_avg_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

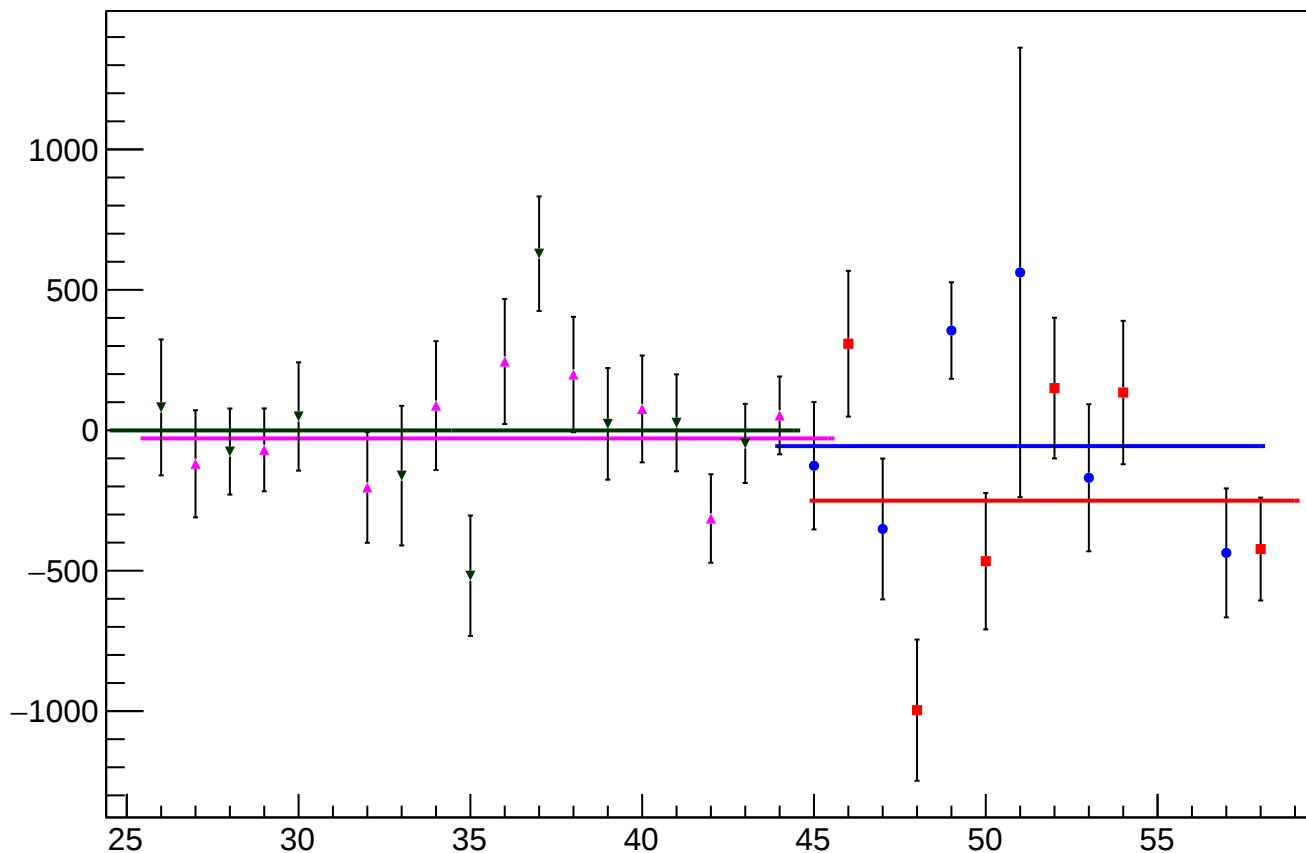
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_avg_mean vs slug



Right In: -56.403 $\pm$ 97.880 χ^2 /NDF: 10.7/5

Left Out: -0.549 $\pm$ 62.274 χ^2 /NDF:16.3/8

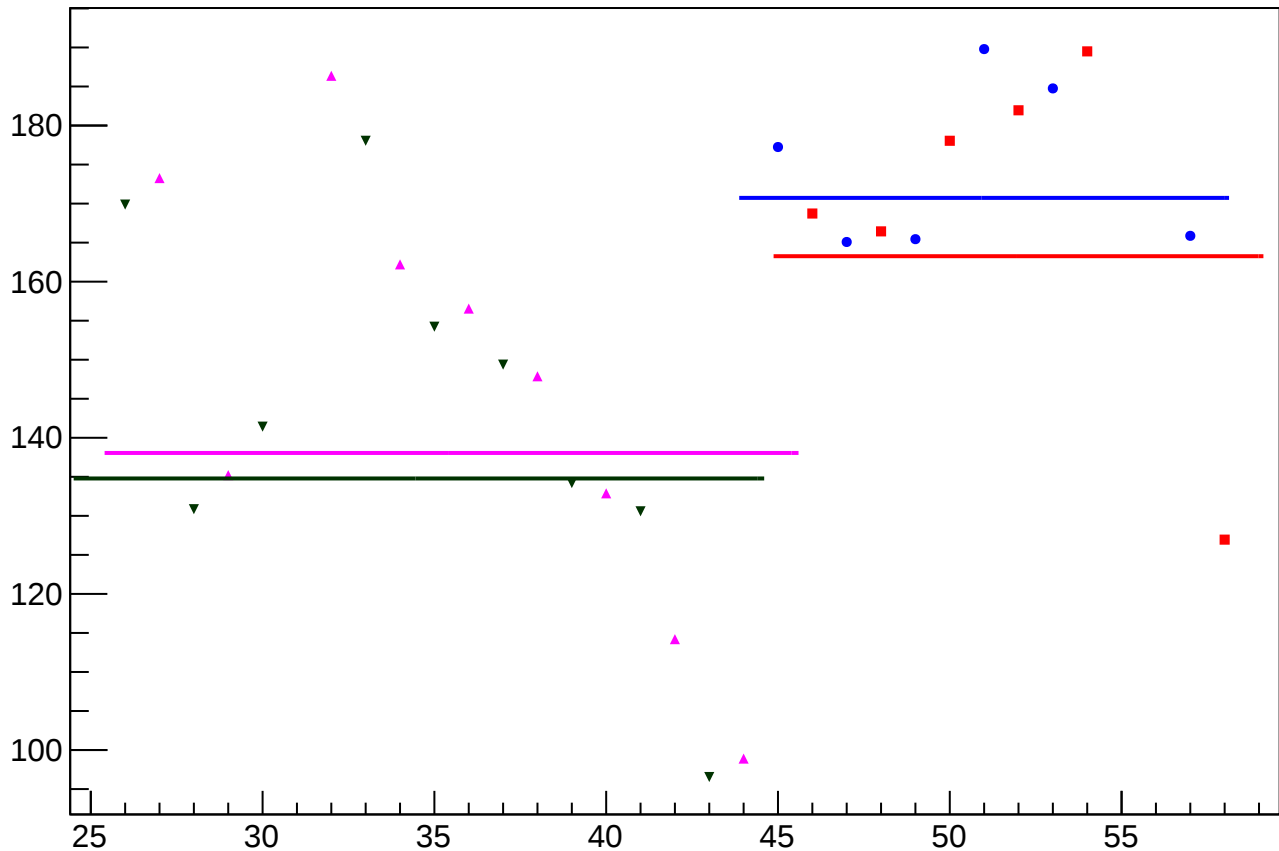
Right Out: -250.542 $\pm$ 95.903 χ^2 /NDF: 19.9/5

Left In: -28.991 $\pm$ 59.537 χ^2 /NDF:8.0/8

-16.643 $\pm$ -52.542 χ^2 /NDF: 27.3/14

-90.623 $\pm$ -50.582 χ^2 /NDF: 31.8/14

reg_asym_sam_15_avg_rms vs slug



Right In: 170.732 ± 0.069 χ^2/NDF : 12333.3/5

Left Out: 134.788 ± 0.044 χ^2/NDF : 281610.1/8

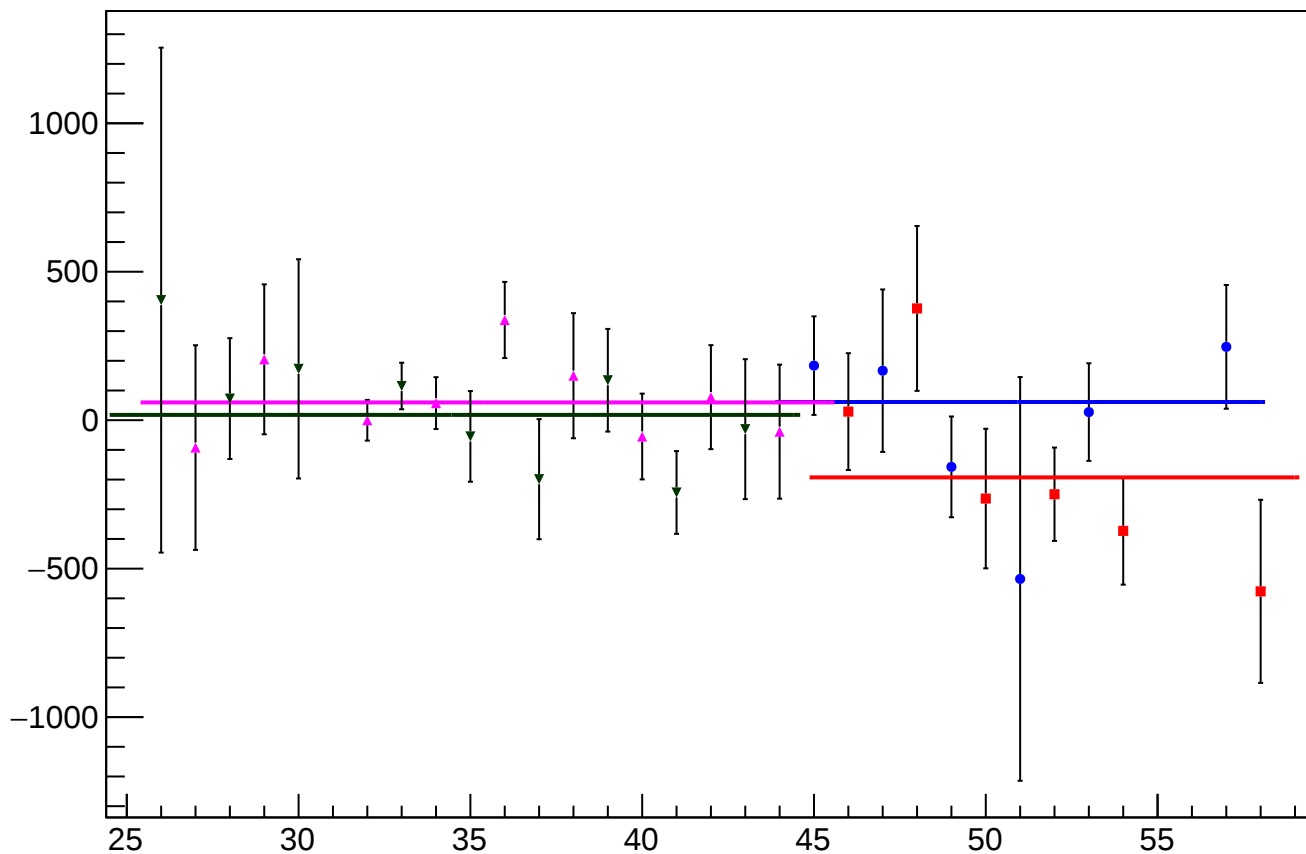
Right Out: 163.261 ± 0.068 χ^2/NDF : 119518.3/5

Left In: 138.057 ± 0.042 χ^2/NDF : 437023.6/8

145.145 ± 0.037 χ^2/NDF : 485938.8/14

145.067 ± 0.036 χ^2/NDF : 656259.3/14

asym_sam_15_avg_correction_mean vs slug



Right In: 61.273 $\pm$ 82.590 χ^2 /NDF: 4.0/5

Left Out: 17.872 $\pm$ 52.271 χ^2 /NDF: 7.4/8

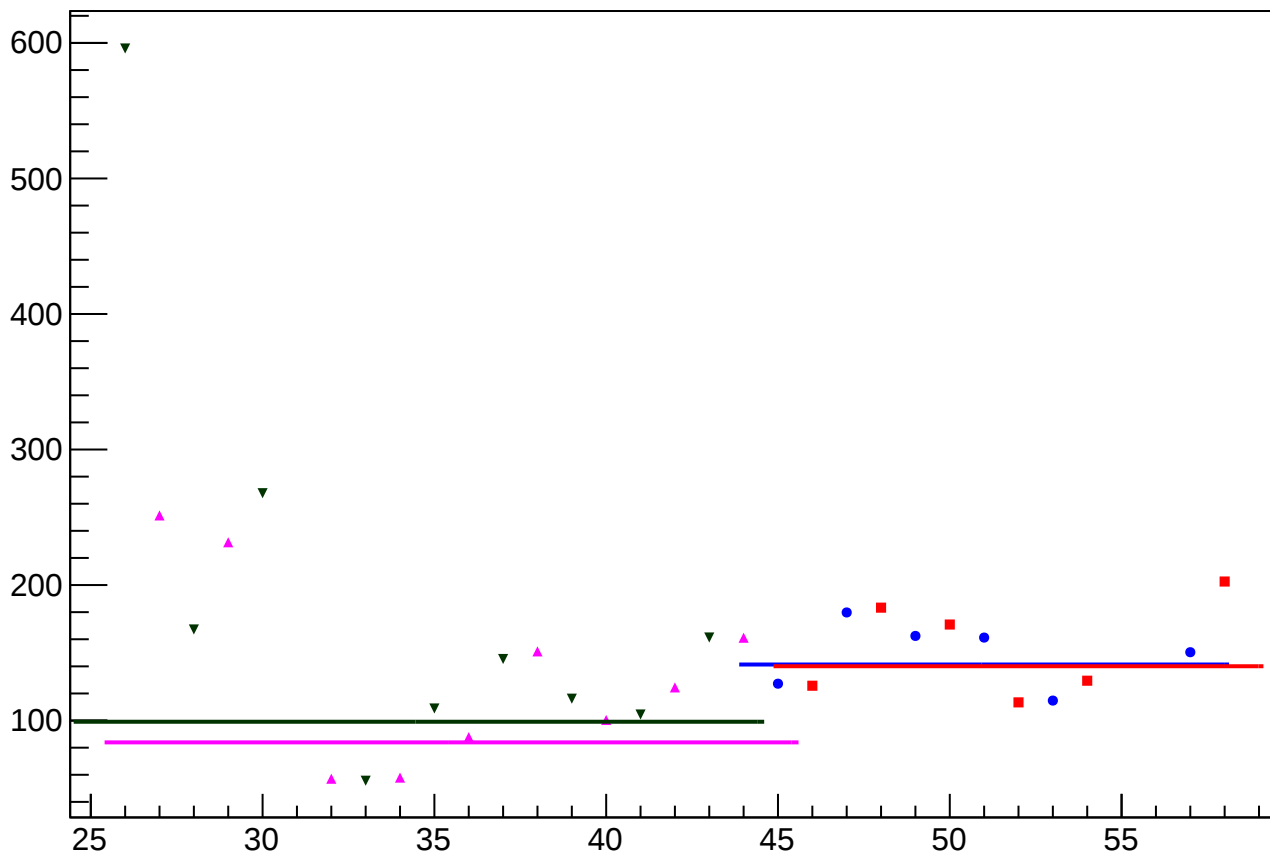
Right Out: -192.644 $\pm$ 85.013 χ^2 /NDF: 8.2/5

Left In: 59.828 $\pm$ 42.594 χ^2 /NDF: 7.0/8

30.285 $\pm$ 44.168 χ^2 /NDF: 11.5/14

9.167 $\pm$ 38.082 χ^2 /NDF: 22.3/14

asym_sam_15_avg_correction_rms vs slug



Right In: 141.366 $\pm$ 0.058 χ^2 /NDF: 142782.0/5

Left Out: 99.138 $\pm$ 0.037 χ^2 /NDF:2215033.7/8

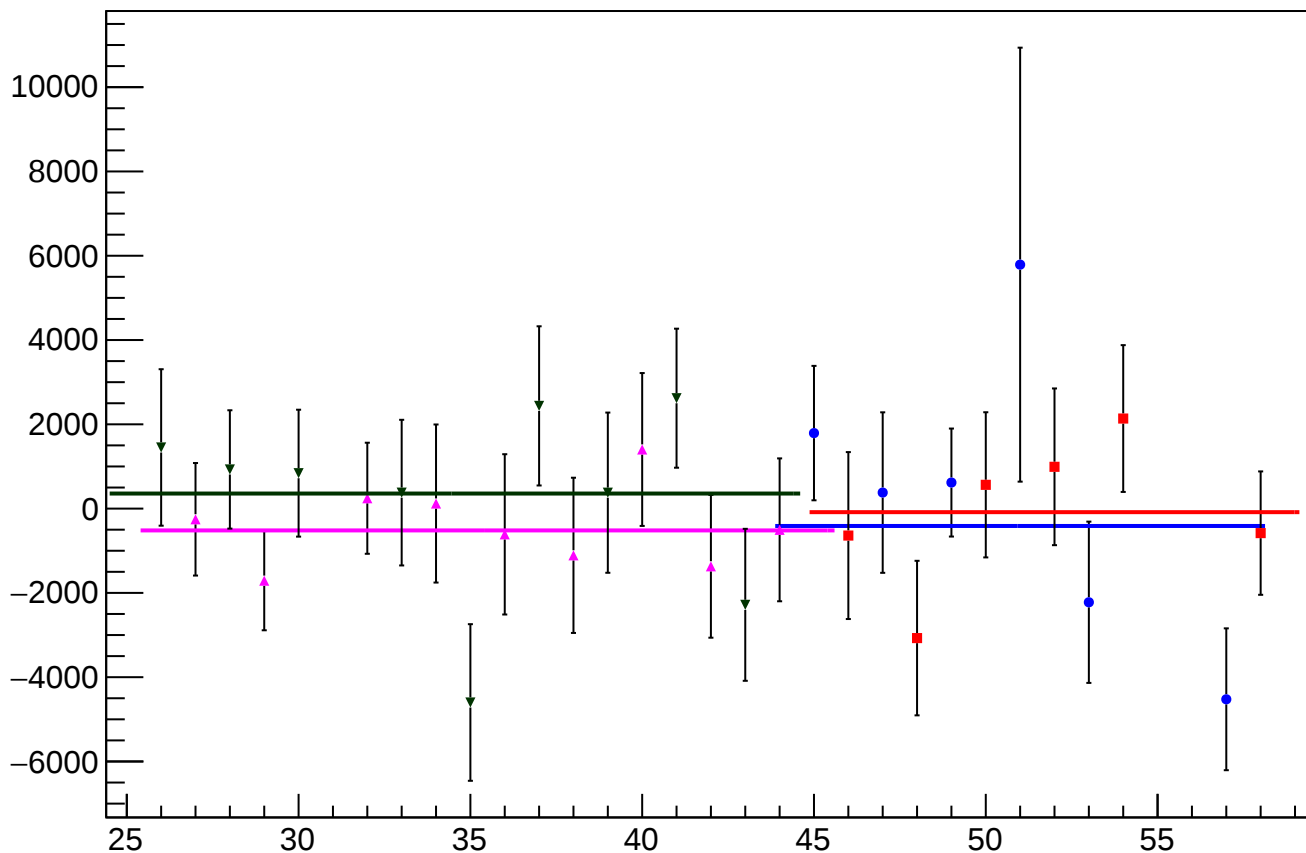
Right Out: 140.089 $\pm$ 0.060 χ^2 /NDF: 240111.4/5

Left In: 83.913 $\pm$ 0.030 χ^2 /NDF:2211357.4/8

111.215 $\pm$ 0.031 χ^2 /NDF: 2731136.6/14

95.185 $\pm$ 0.027 χ^2 /NDF: 3149551.6/14

reg_asym_sam_26_avg_mean vs slug



Right In: -411.980 ± 717.582 $\chi^2/\text{NDF}: 11.0/5$

Left Out: 357.559 ± 568.392 $\chi^2/\text{NDF}: 13.0/8$

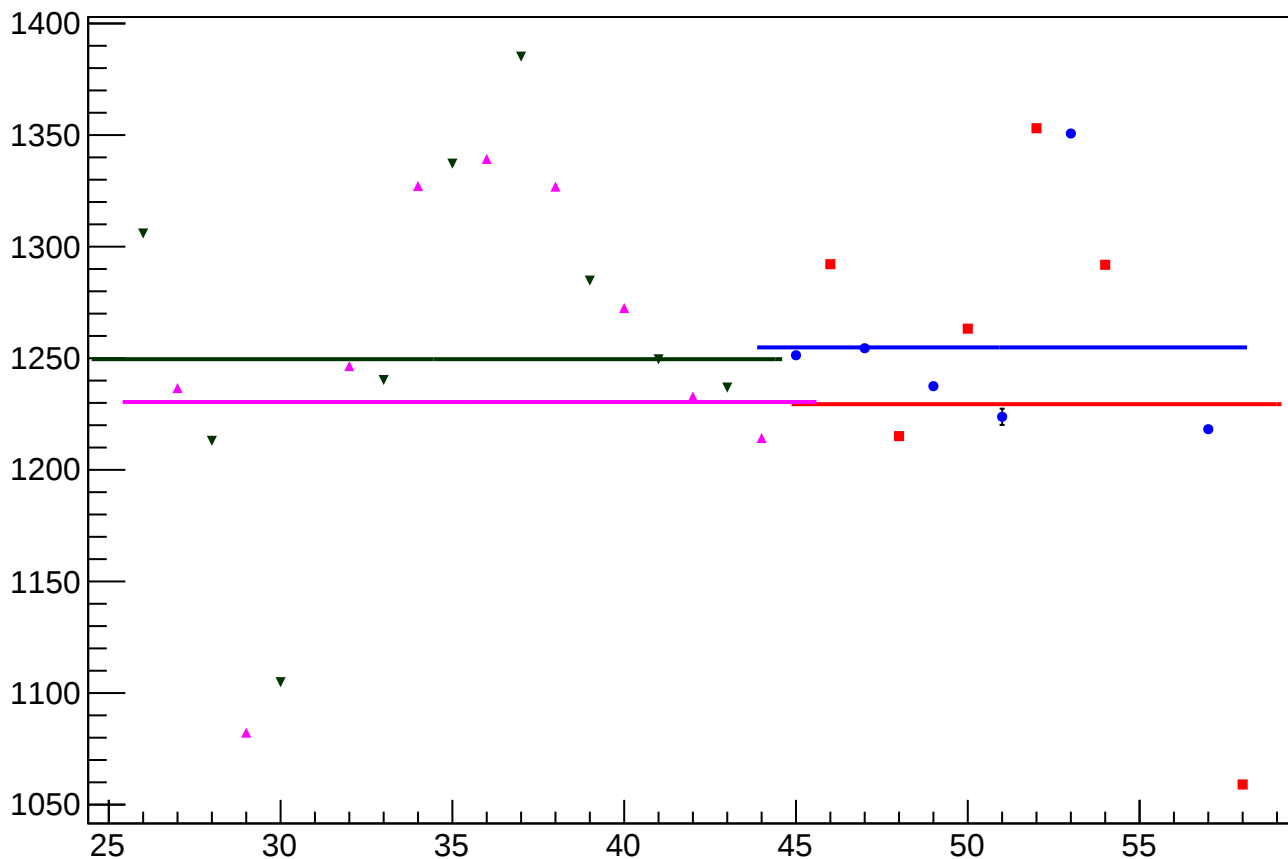
Right Out: -84.309 ± 711.560 $\chi^2/\text{NDF}: 5.0/5$

Left In: -517.544 ± 518.830 $\chi^2/\text{NDF}: 3.0/8$

60.881 ± 445.553 $\chi^2/\text{NDF}: 24.7/14$

-367.163 ± 419.223 $\chi^2/\text{NDF}: 8.2/14$

reg_asym_sam_26_avg_rms vs slug



Right In: 1254.867 $\pm$ 0.507 χ^2 /NDF: 6416.1/5

Left Out: 1249.590 $\pm$ 0.402 χ^2 /NDF: 37264.3/8

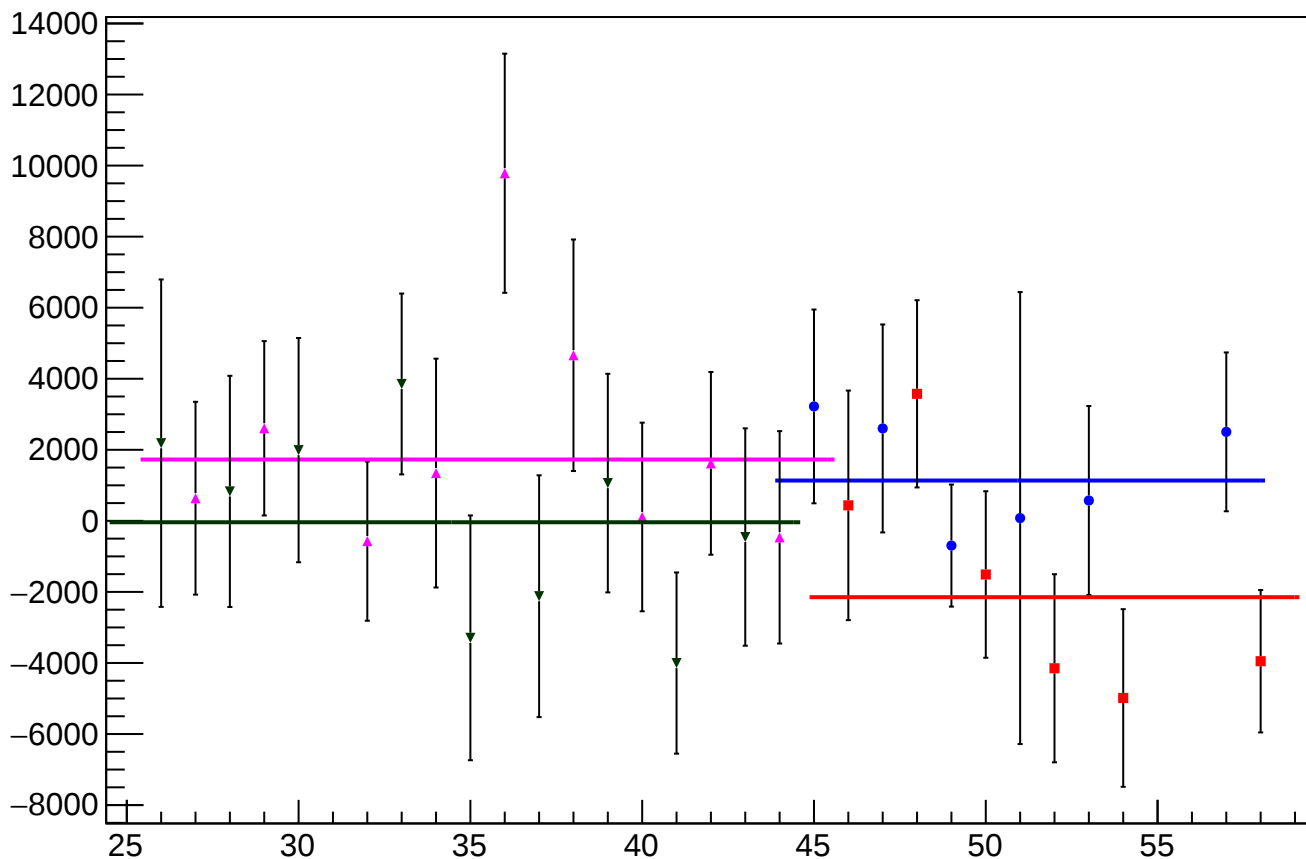
Right Out: 1229.423 $\pm$ 0.503 χ^2 /NDF: 41408.6/5

Left In: 1230.414 $\pm$ 0.367 χ^2 /NDF: 50656.2/8

1251.624 $\pm$ 0.315 χ^2 /NDF: 43746.9/14

1230.070 $\pm$ 0.296 χ^2 /NDF: 92067.3/14

asym_sam_26_avg_correction_mean vs slug



Right In: 1134.971 $\pm$ 1022.628 χ^2 /NDF: 2.4/5

Left Out: -39.269 $\pm$ 1035.135 χ^2 /NDF: 6.9/8

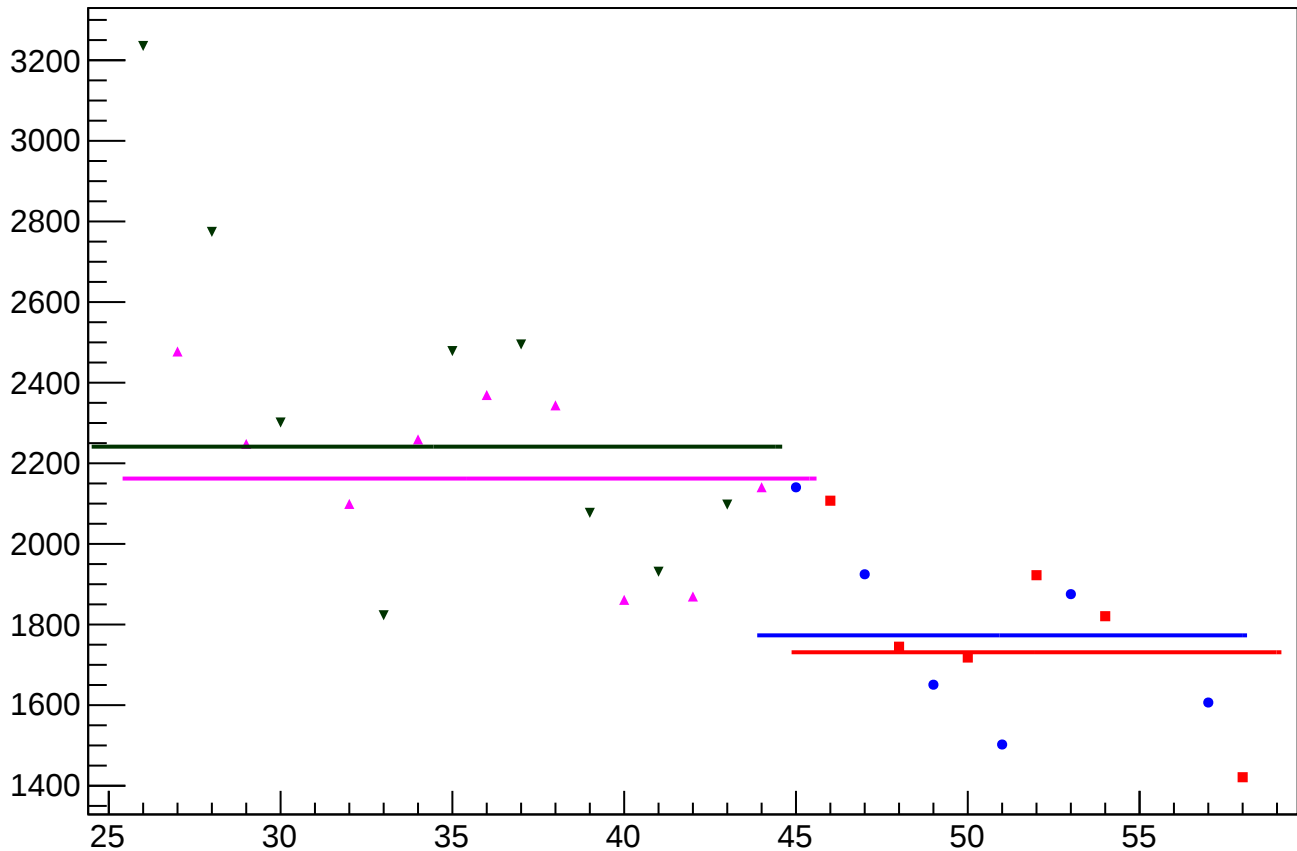
Right Out: -2148.197 $\pm$ 1013.406 χ^2 /NDF: 8.1/5

Left In: 1726.912 $\pm$ 918.632 χ^2 /NDF: 8.8/8

554.988 $\pm$ 727.489 χ^2 /NDF: 10.0/14

-21.011 $\pm$ 680.617 χ^2 /NDF: 24.9/14

asym_sam_26_avg_correction_rms vs slug



Right In: 1773.154+/-0.723 χ^2/NDF : 69486.0/5

Left Out: 2241.302+/-0.732 χ^2/NDF : 261773.6/8

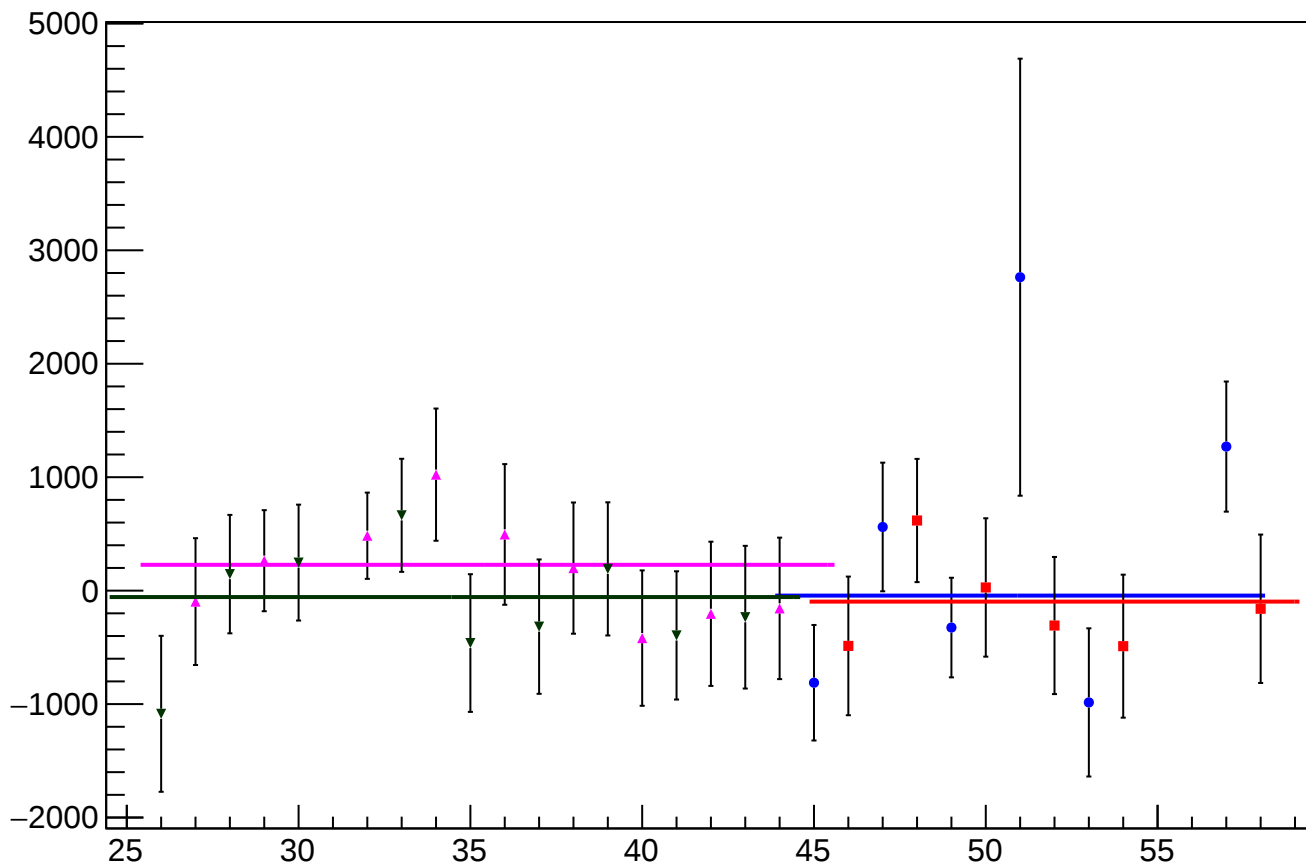
Right Out: 1731.190+/-0.717 χ^2/NDF : 88087.1/5

Left In: 2162.148+/-0.650 χ^2/NDF : 98343.3/8

2004.383+/-0.514 χ^2/NDF : 538283.4/14

1967.758+/-0.481 χ^2/NDF : 384973.8/14

reg_asym_sam_37_avg_mean vs slug



Right In: -43.679 $\pm$ 236.955 χ^2 /NDF: 13.3/5

Left Out: -56.564 $\pm$ 189.750 χ^2 /NDF: 6.1/8

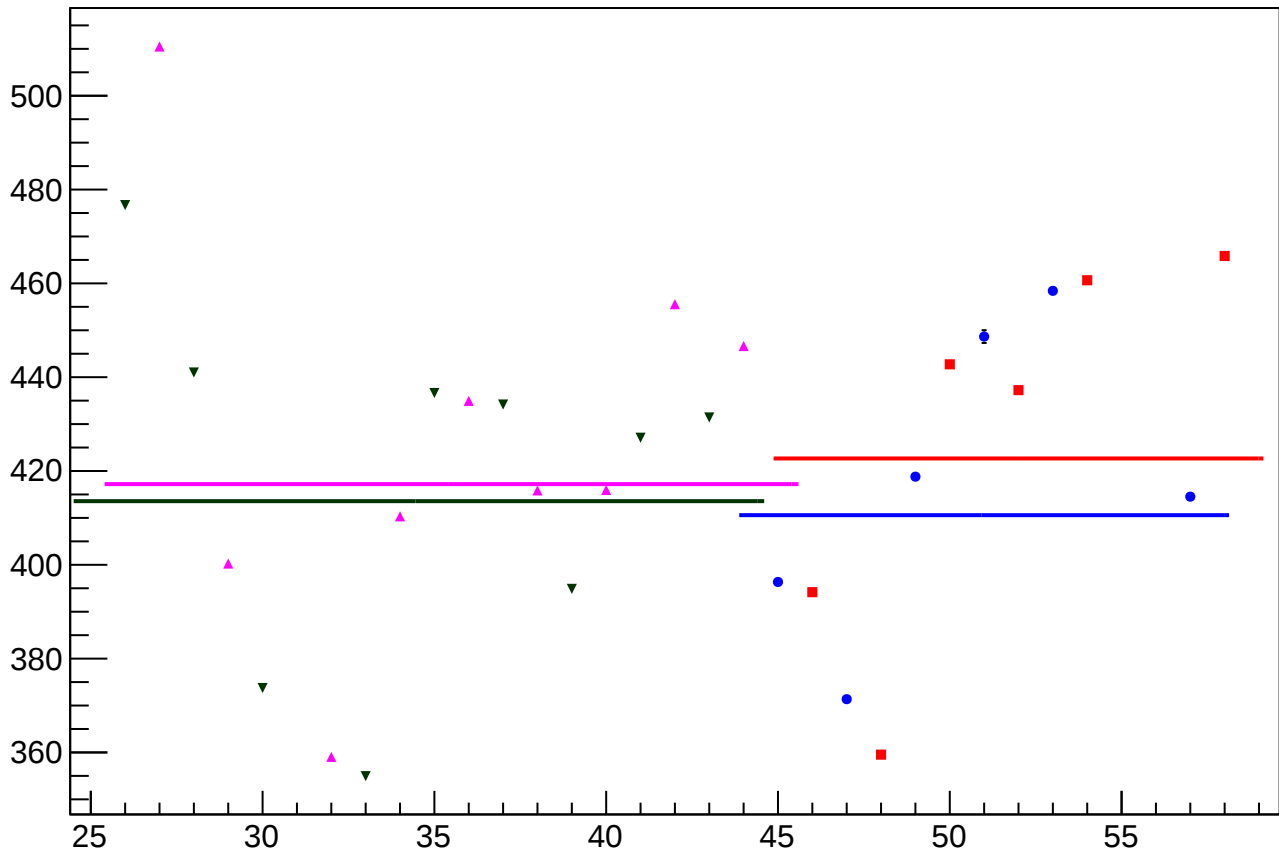
Right Out: -96.704 $\pm$ 247.332 χ^2 /NDF: 2.7/5

Left In: 227.618 $\pm$ 178.031 χ^2 /NDF: 4.9/8

-51.530 $\pm$ 148.113 χ^2 /NDF: 19.4/14

116.929 $\pm$ 144.492 χ^2 /NDF: 8.7/14

reg_asym_sam_37_avg_rms vs slug



Right In: 410.586 ± 0.168 χ^2/NDF : 23435.7/5

Left Out: 413.572 ± 0.134 χ^2/NDF : 72321.2/8

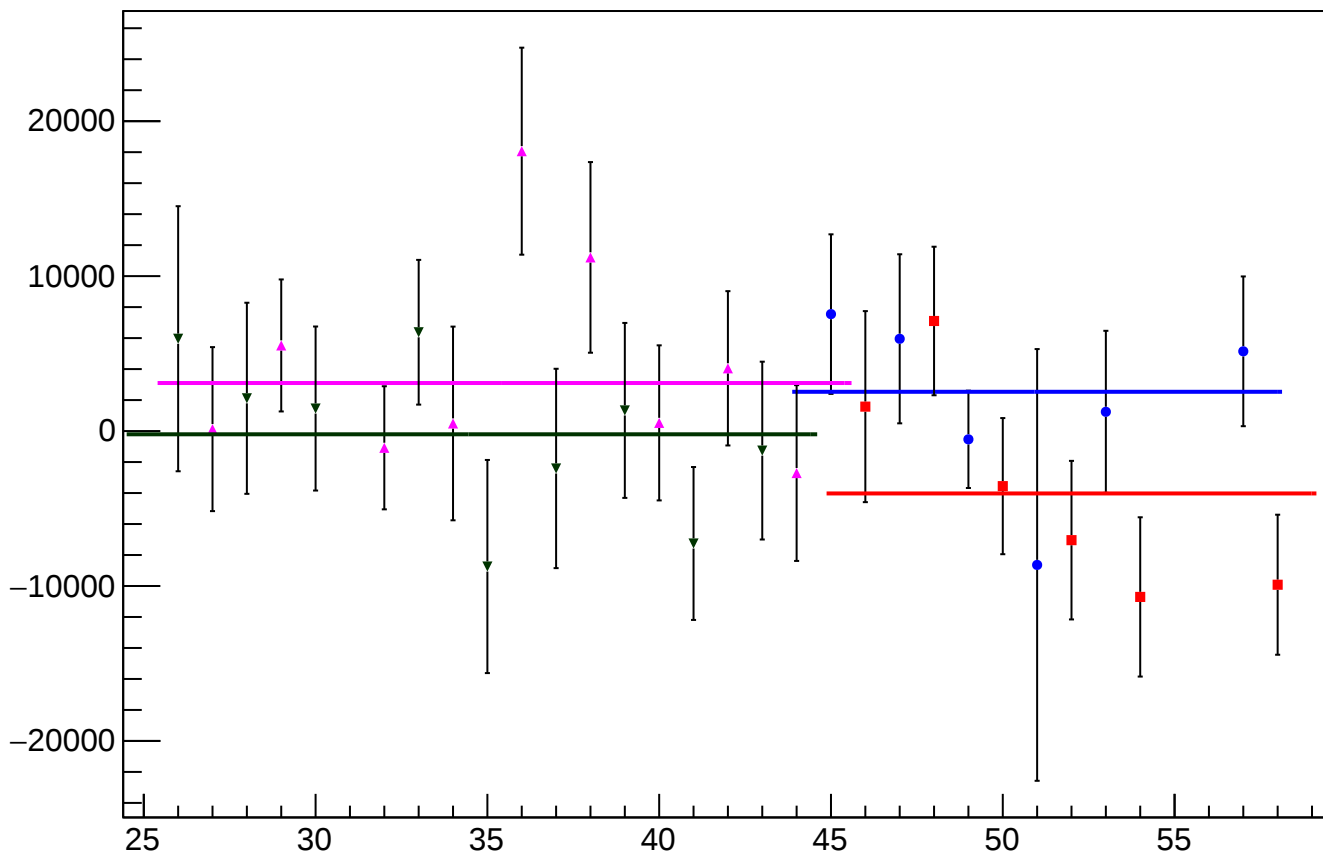
Right Out: 422.674 ± 0.175 χ^2/NDF : 50687.5/5

Left In: 417.201 ± 0.126 χ^2/NDF : 119064.3/8

412.406 ± 0.105 χ^2/NDF : 95950.5/14

419.069 ± 0.102 χ^2/NDF : 170396.9/14

asym_sam_37_avg_correction_mean vs slug



Right In: 2534.536 $\pm$ 1971.791 χ^2 /NDF: 3.3/5

Left Out: -208.829 $\pm$ 1925.930 χ^2 /NDF: 6.6/8

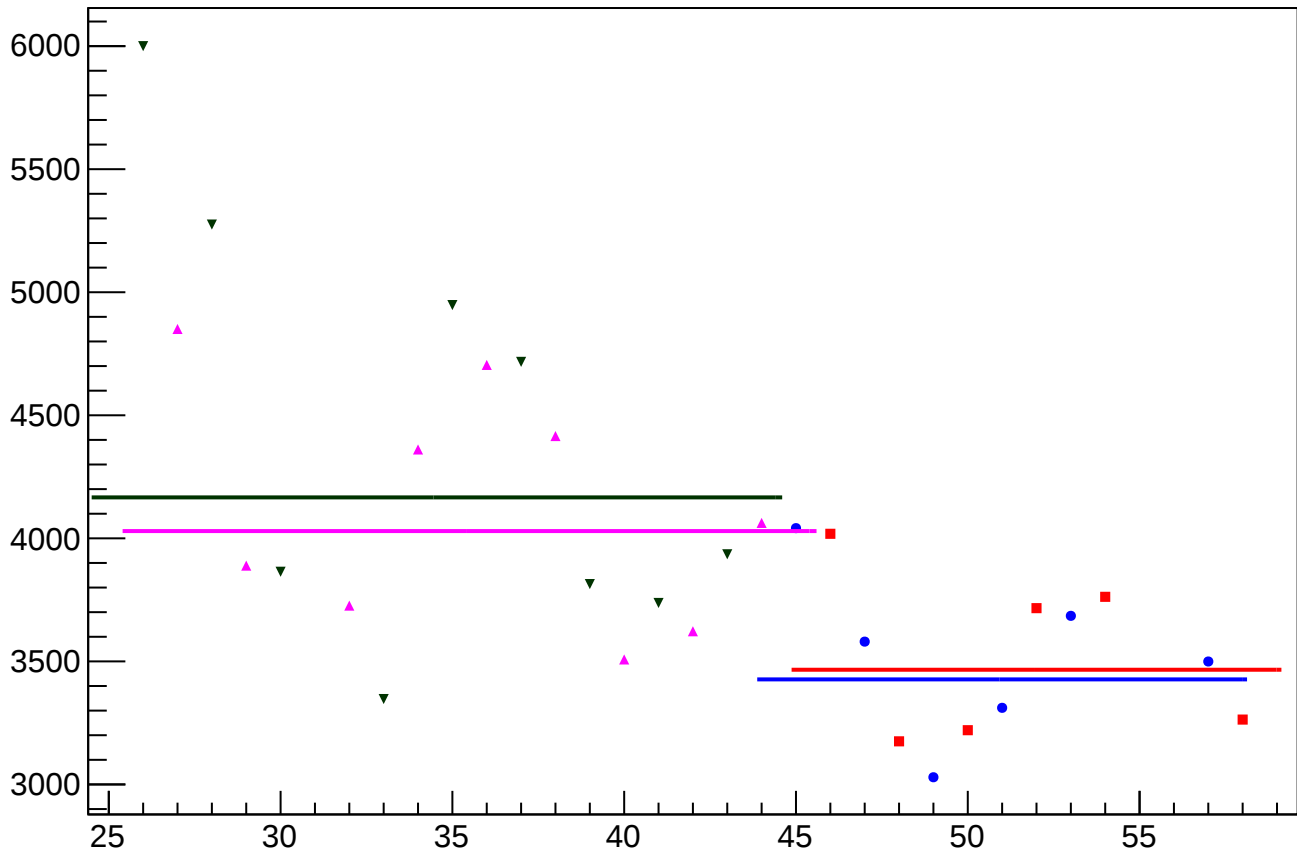
Right Out: -4026.783 $\pm$ 2013.662 χ^2 /NDF: 10.0/5

Left In: 3100.951 $\pm$ 1715.208 χ^2 /NDF: 10.0/8

1130.579 $\pm$ 1377.766 χ^2 /NDF: 10.8/14

103.948 $\pm$ 1305.733 χ^2 /NDF: 27.2/14

asym_sam_37_avg_correction_rms vs slug



Right In: 3426.845+/-1.394 χ^2/NDF : 67595.9/5

Left Out: 4166.379+/-1.362 χ^2/NDF : 291206.4/8

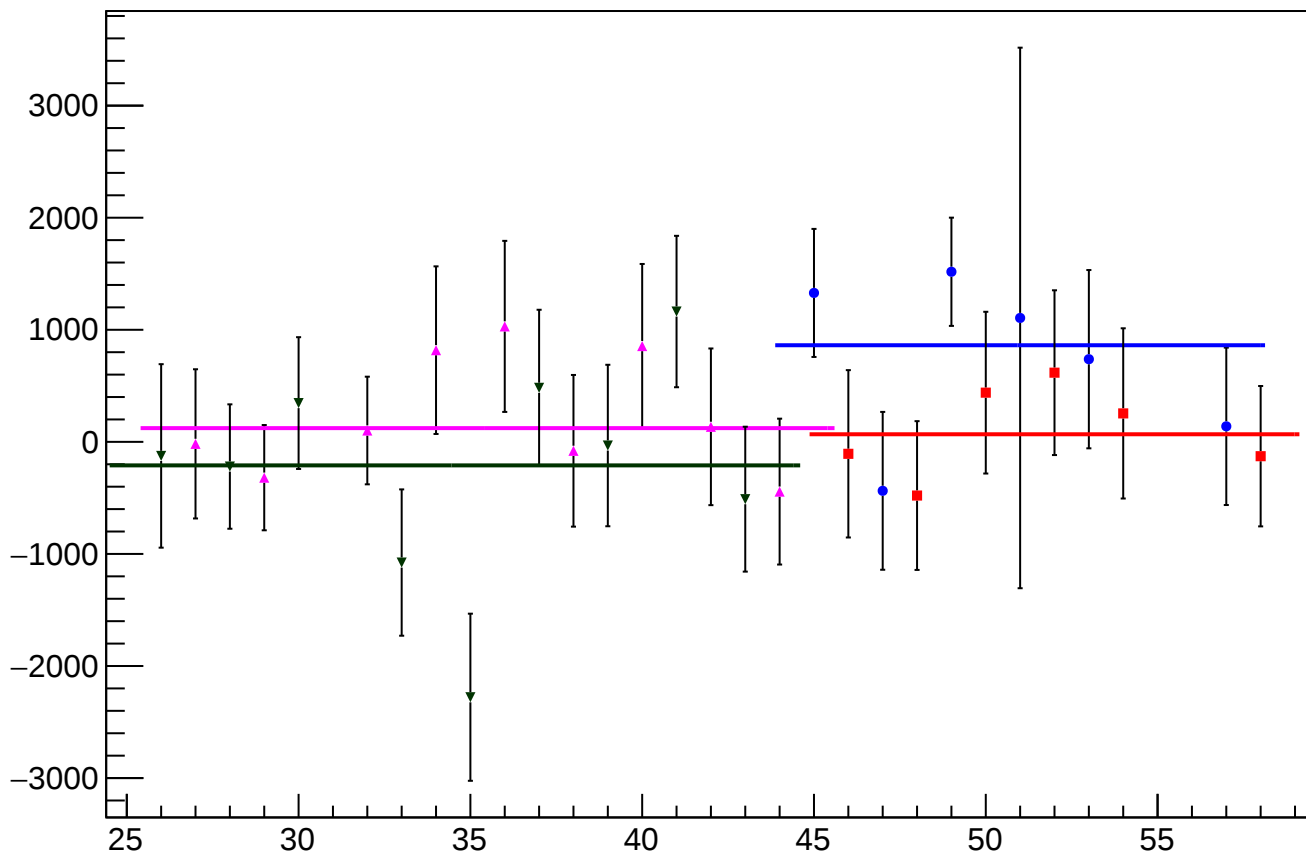
Right Out: 3466.063+/-1.424 χ^2/NDF : 45117.7/5

Left In: 4029.510+/-1.213 χ^2/NDF : 131051.5/8

3805.312+/-0.974 χ^2/NDF : 502780.1/14

3792.597+/-0.923 χ^2/NDF : 266917.5/14

reg_asym_sam_48_avg_mean vs slug



Right In: 862.072 ± 275.771 χ^2/NDF : 7.0/5

Left Out: -209.900 ± 221.674 χ^2/NDF : 15.8/8

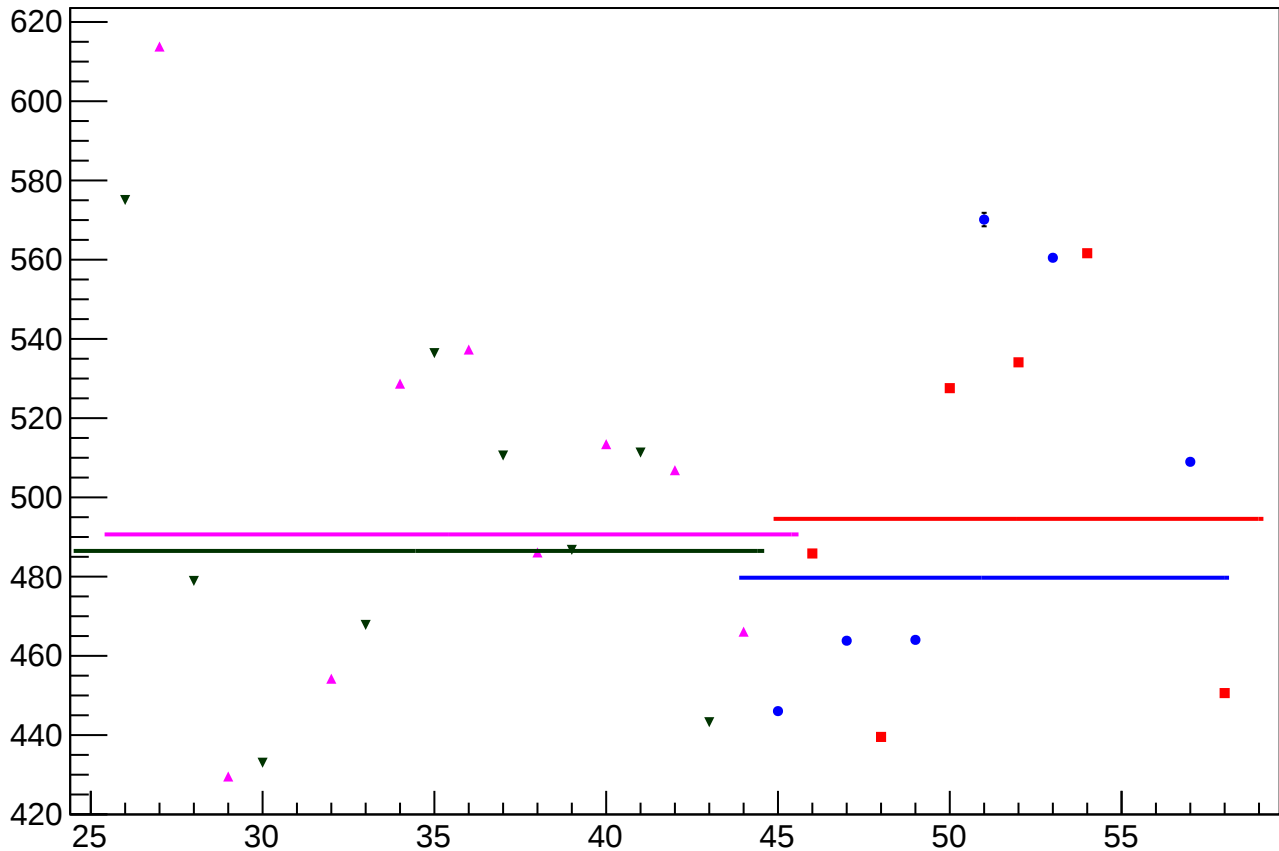
Right Out: 67.743 ± 287.249 χ^2/NDF : 1.7/5

Left In: 122.495 ± 208.120 χ^2/NDF : 5.1/8

210.871 ± 172.775 χ^2/NDF : 32.0/14

103.647 ± 168.534 χ^2/NDF : 6.8/14

reg_asym_sam_48_avg_rms vs slug



Right In: 479.723+/-0.195 χ^2/NDF : 36978.2/5

Left Out: 486.485+/-0.157 χ^2/NDF : 64970.9/8

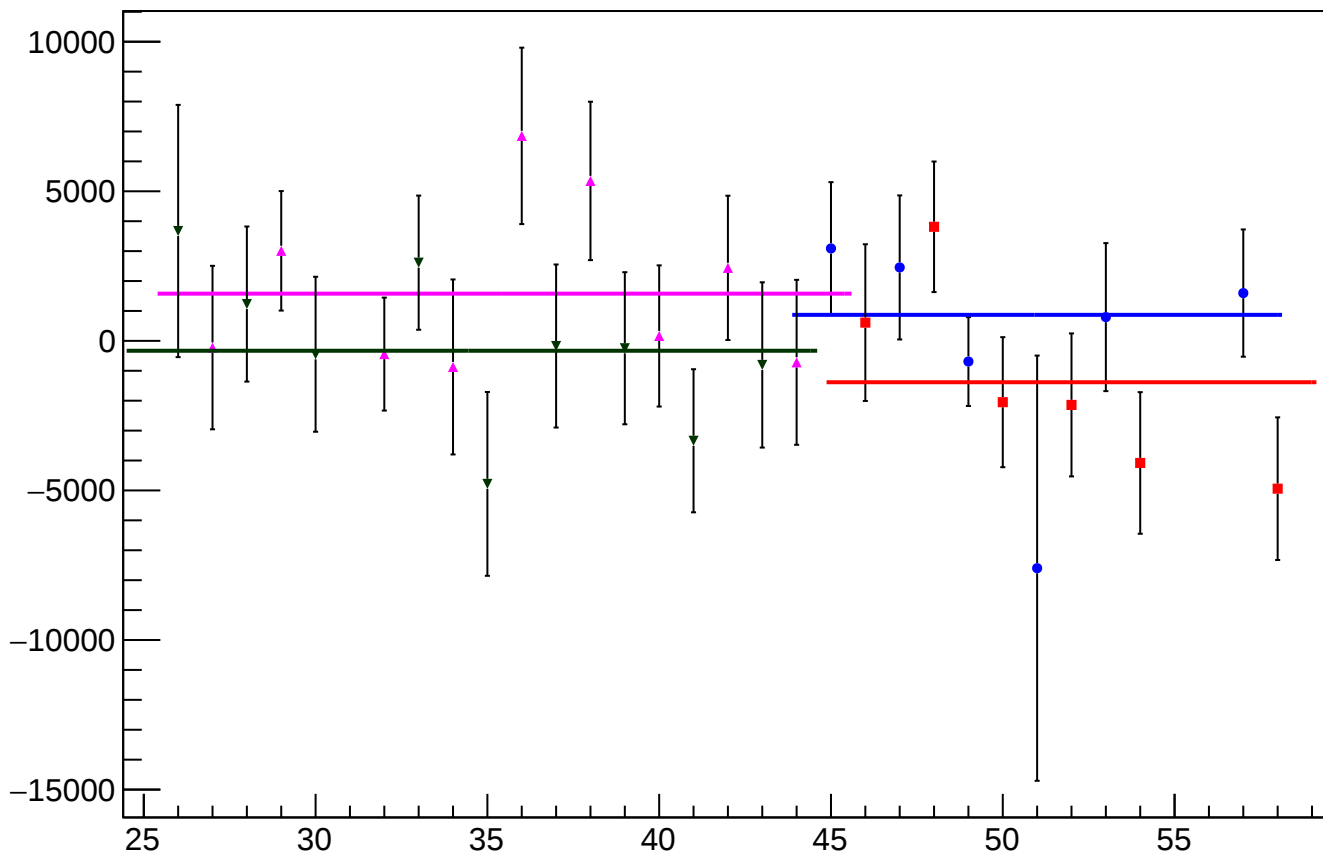
Right Out: 494.579+/-0.203 χ^2/NDF : 49445.4/5

Left In: 490.653+/-0.147 χ^2/NDF : 132367.6/8

483.831+/-0.122 χ^2/NDF : 102679.7/14

492.006+/-0.119 χ^2/NDF : 182057.9/14

asym_sam_48_avg_correction_mean vs slug



Right In: 869.533 $\pm$ 900.444 χ^2/NDF : 4.1/5

Left Out: -330.295 $\pm$ 892.971 χ^2/NDF : 6.7/8

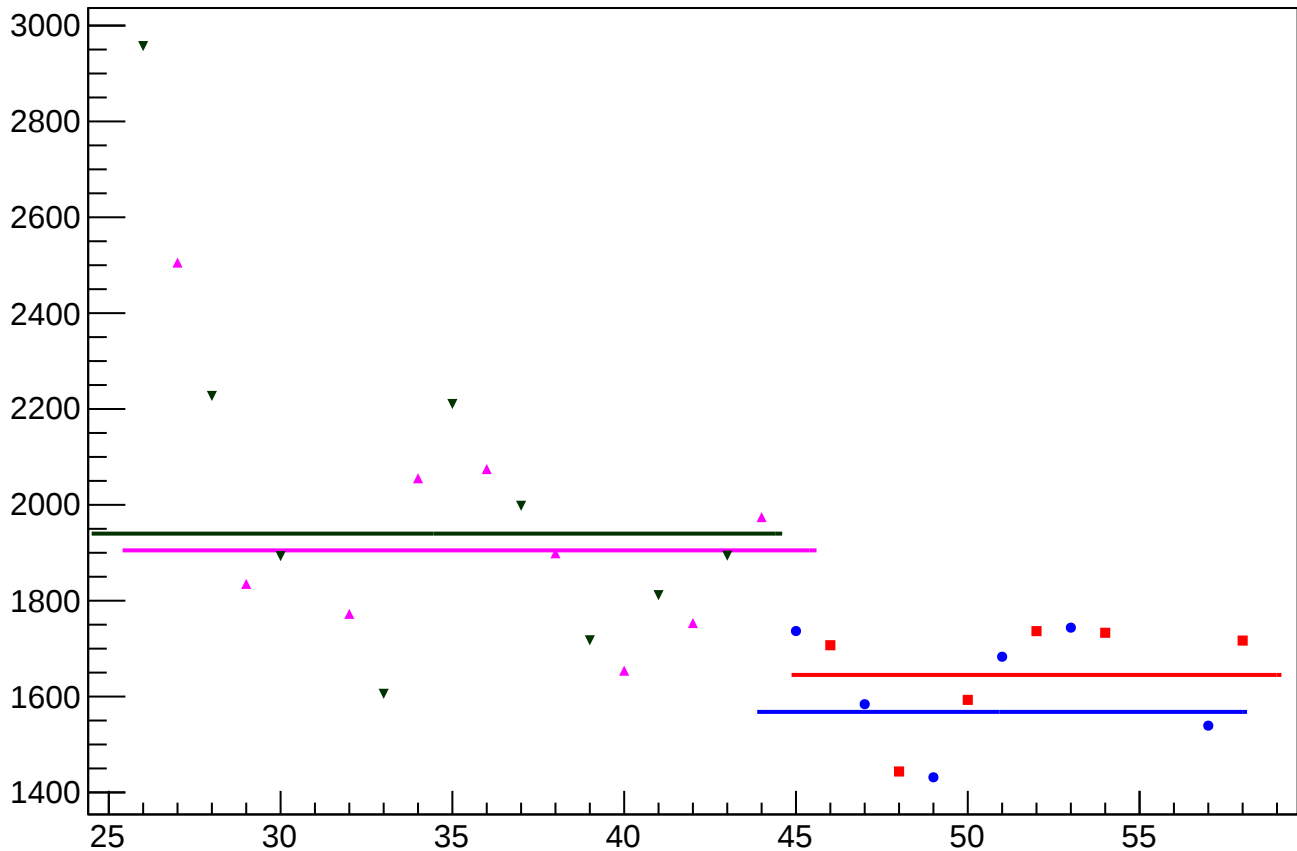
Right Out: -1382.865 $\pm$ 954.776 χ^2/NDF : 10.0/5

Left In: 1578.556 $\pm$ 810.363 χ^2/NDF : 9.2/8

264.619 $\pm$ 634.051 χ^2/NDF : 11.7/14

338.521 $\pm$ 617.829 χ^2/NDF : 24.8/14

asym_sam_48_avg_correction_rms vs slug



Right In: 1568.016+/-0.637 χ^2/NDF : 39544.1/5

Left Out: 1939.983+/-0.631 χ^2/NDF :224092.6/8

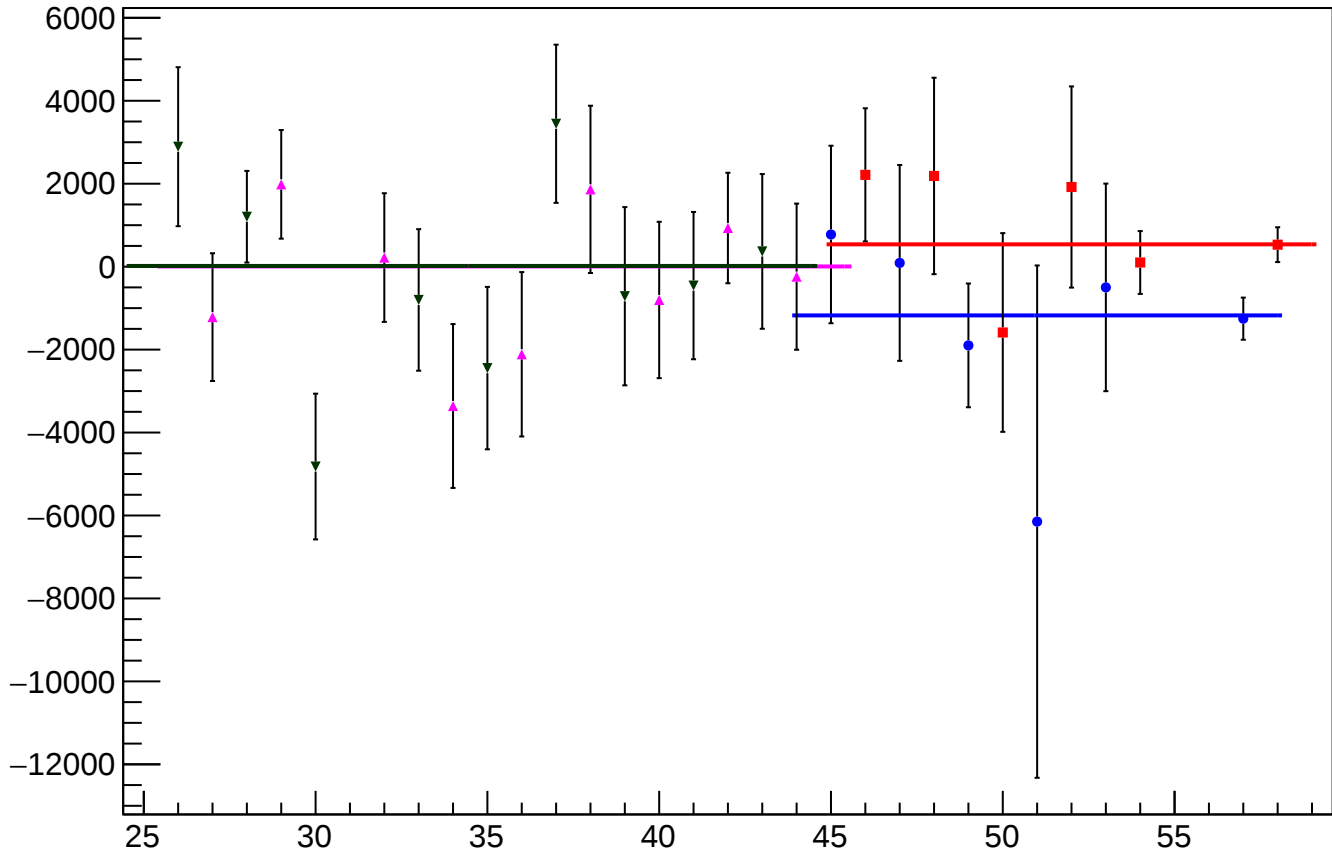
Right Out: 1645.152+/-0.675 χ^2/NDF : 26810.6/5

Left In: 1905.010+/-0.573 χ^2/NDF :152614.4/8

1755.549+/-0.448 χ^2/NDF : 435704.7/14

1796.199+/-0.437 χ^2/NDF : 265539.5/14

asym_sam_15_dd_mean vs slug



Right In: -1175.200 ± 451.532 χ^2/NDF : 2.1/5

Left Out: 17.049 ± 566.564 χ^2/NDF : 16.2/8

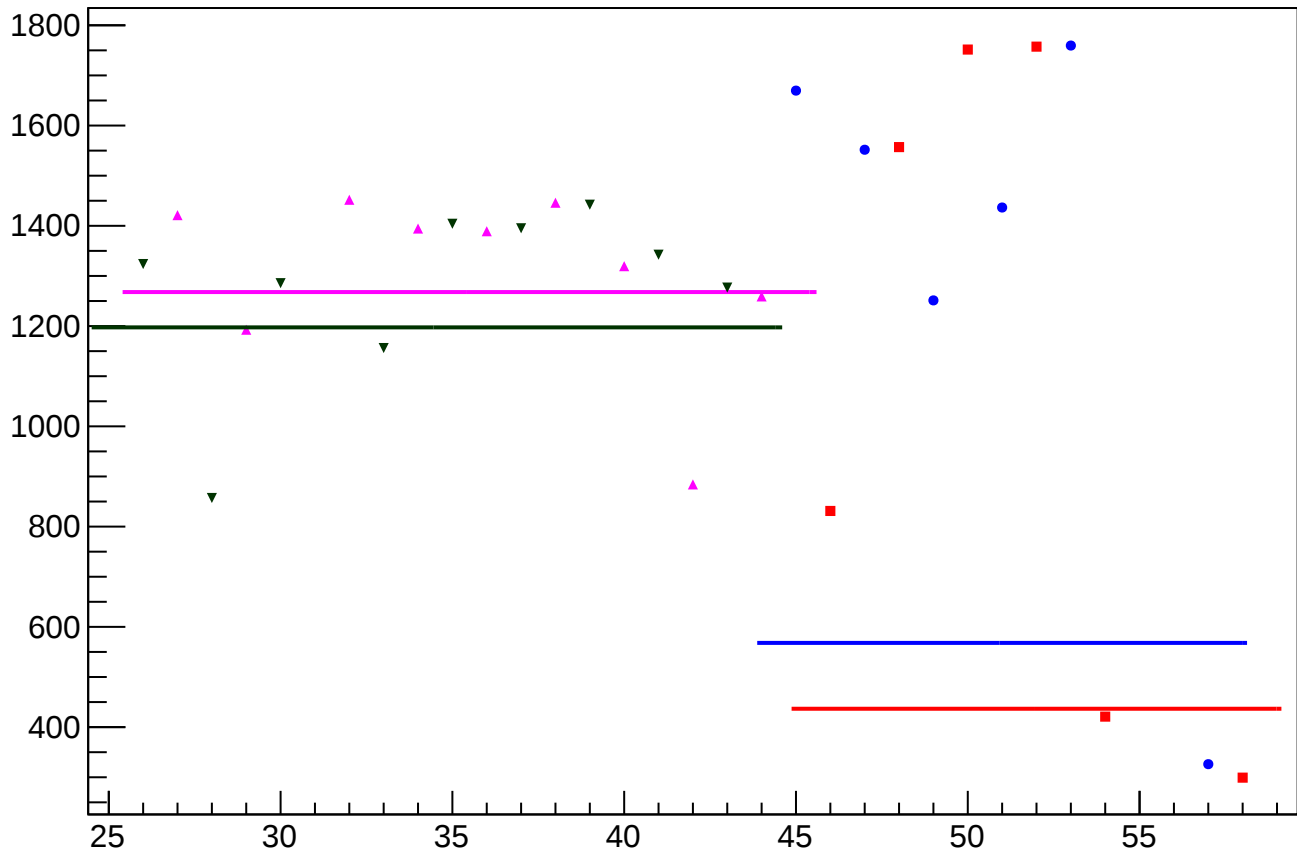
Right Out: 538.082 ± 346.684 χ^2/NDF : 3.0/5

Left In: 4.879 ± 546.821 χ^2/NDF : 8.5/8

-712.087 ± 353.109 χ^2/NDF : 21.1/14

385.208 ± 292.797 χ^2/NDF : 12.2/14

asym_sam_15_dd_rms vs slug



Right In: 568.033+/-0.319 χ^2/NDF : 2242244.0/5

Left Out: 1197.414+/-0.401 χ^2/NDF : 291303.5/8

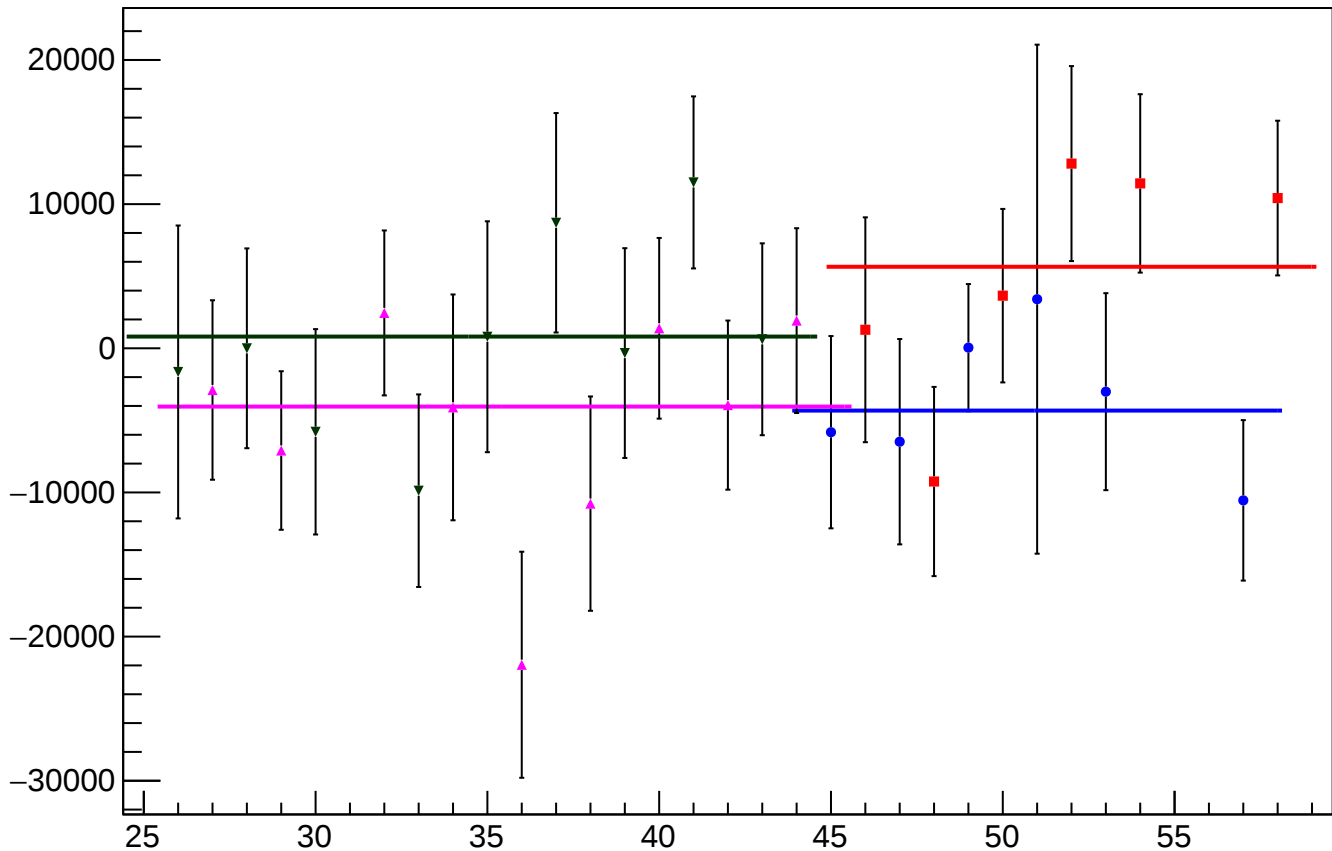
Right Out: 436.678+/-0.245 χ^2/NDF : 1978895.0/5

Left In: 1267.855+/-0.387 χ^2/NDF : 253536.2/8

812.507+/-0.250 χ^2/NDF : 4042934.2/14

674.984+/-0.207 χ^2/NDF : 5528466.7/14

asym_sam_26_dd_mean vs slug



Right In: -4321.299 ± 2577.760 χ^2/NDF : 2.6/5

Left Out: 812.648 ± 2390.317 χ^2/NDF : 7.8/8

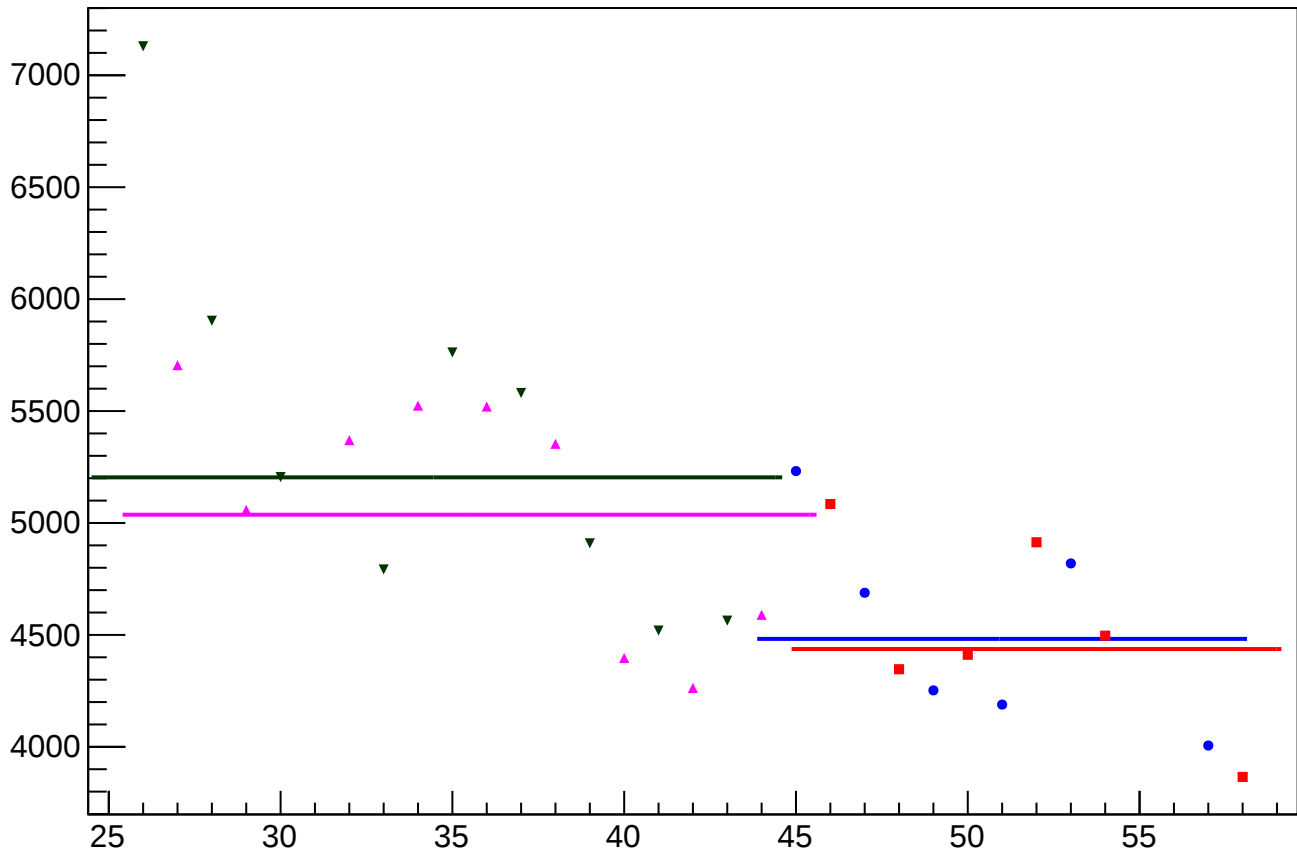
Right Out: 5655.052 ± 2582.299 χ^2/NDF : 8.4/5

Left In: -4044.605 ± 2137.141 χ^2/NDF : 9.3/8

-1560.900 ± 1752.733 χ^2/NDF : 12.5/14

-101.621 ± 1646.421 χ^2/NDF : 26.0/14

asym_sam_26_dd_rms vs slug



Right In: 4482.272+/-1.823 χ^2/NDF : 52445.0/5

Left Out: 5203.831+/-1.690 χ^2/NDF :162509.9/8

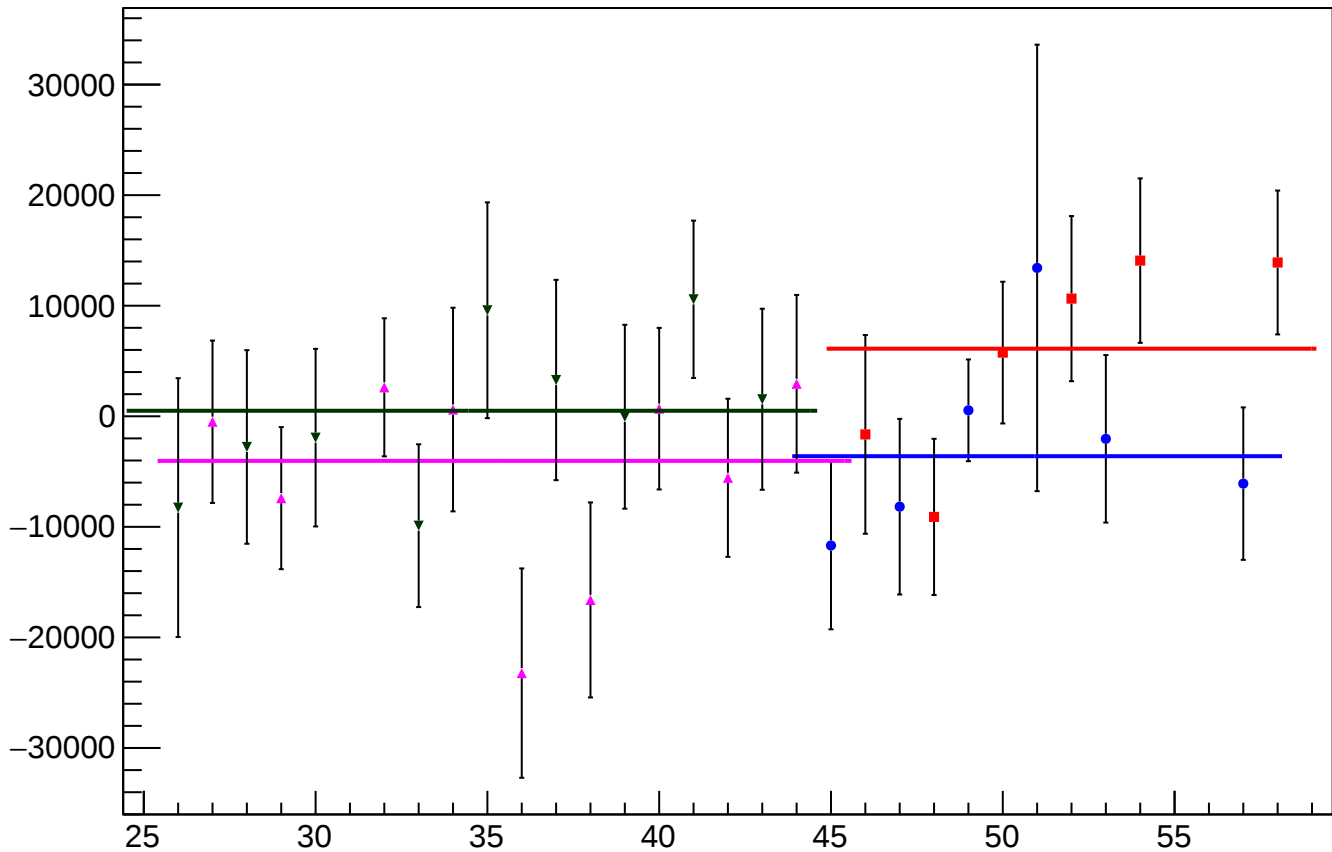
4870.237+/-1.239 χ^2/NDF : 299212.7/14

Right Out: 4436.881+/-1.826 χ^2/NDF : 47018.1/5

4793.030+/-1.164 χ^2/NDF : 225341.7/14

Left In: 5036.971+/-1.511 χ^2/NDF :114222.6/8

asym_sam_37_dd_mean vs slug



Right In: -3609.632 ± 2870.117 $\chi^2/\text{NDF}: 3.2/5$

Left Out: 499.140 ± 2815.711 $\chi^2/\text{NDF}: 5.8/8$

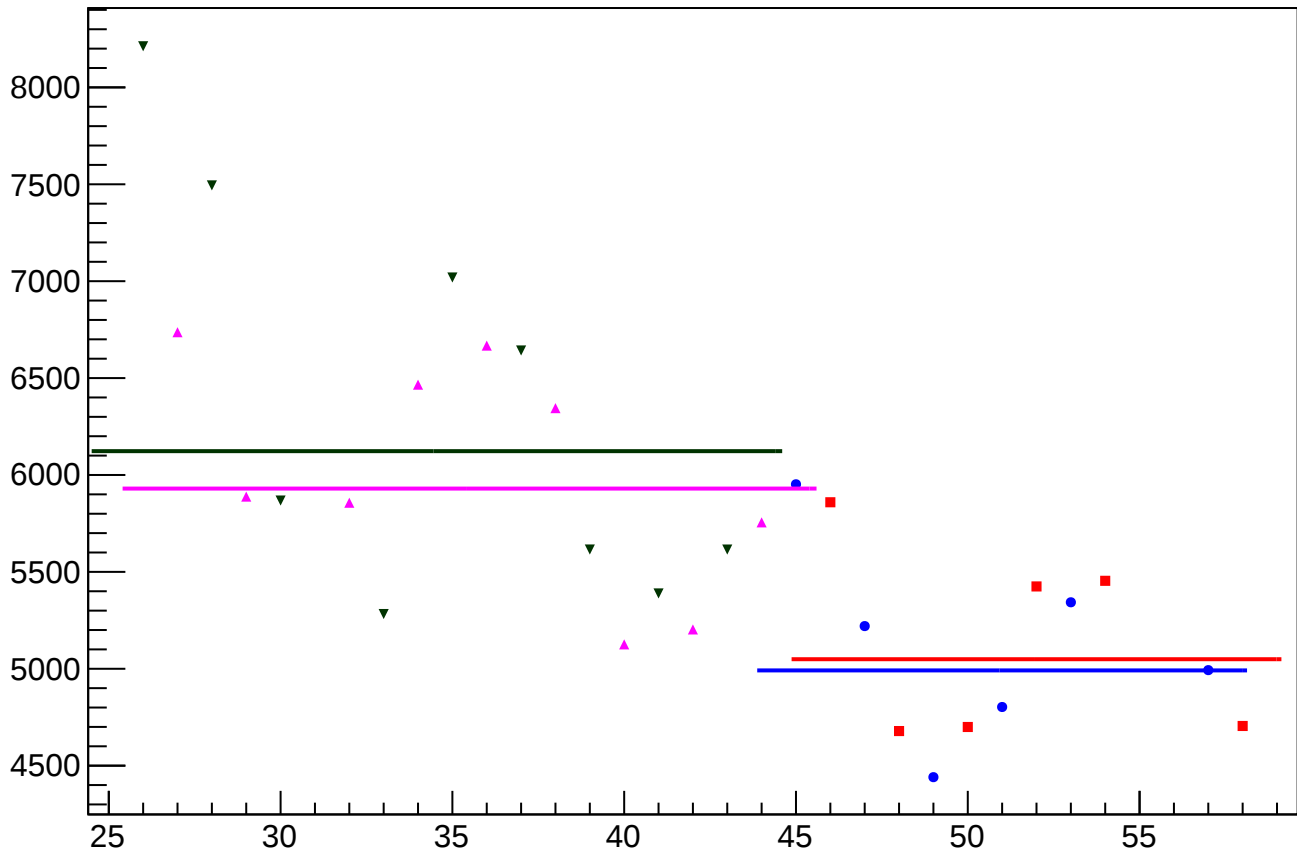
Right Out: 6111.900 ± 2930.992 $\chi^2/\text{NDF}: 8.3/5$

Left In: -4033.740 ± 2515.841 $\chi^2/\text{NDF}: 9.3/8$

-1515.934 ± 2009.968 $\chi^2/\text{NDF}: 10.0/14$

270.258 ± 1909.022 $\chi^2/\text{NDF}: 24.5/14$

asym_sam_37_dd_rms vs slug



Right In: 4991.561+/-2.029 χ^2/NDF : 66893.0/5

Left Out: 6122.948+/-1.991 χ^2/NDF :200766.5/8

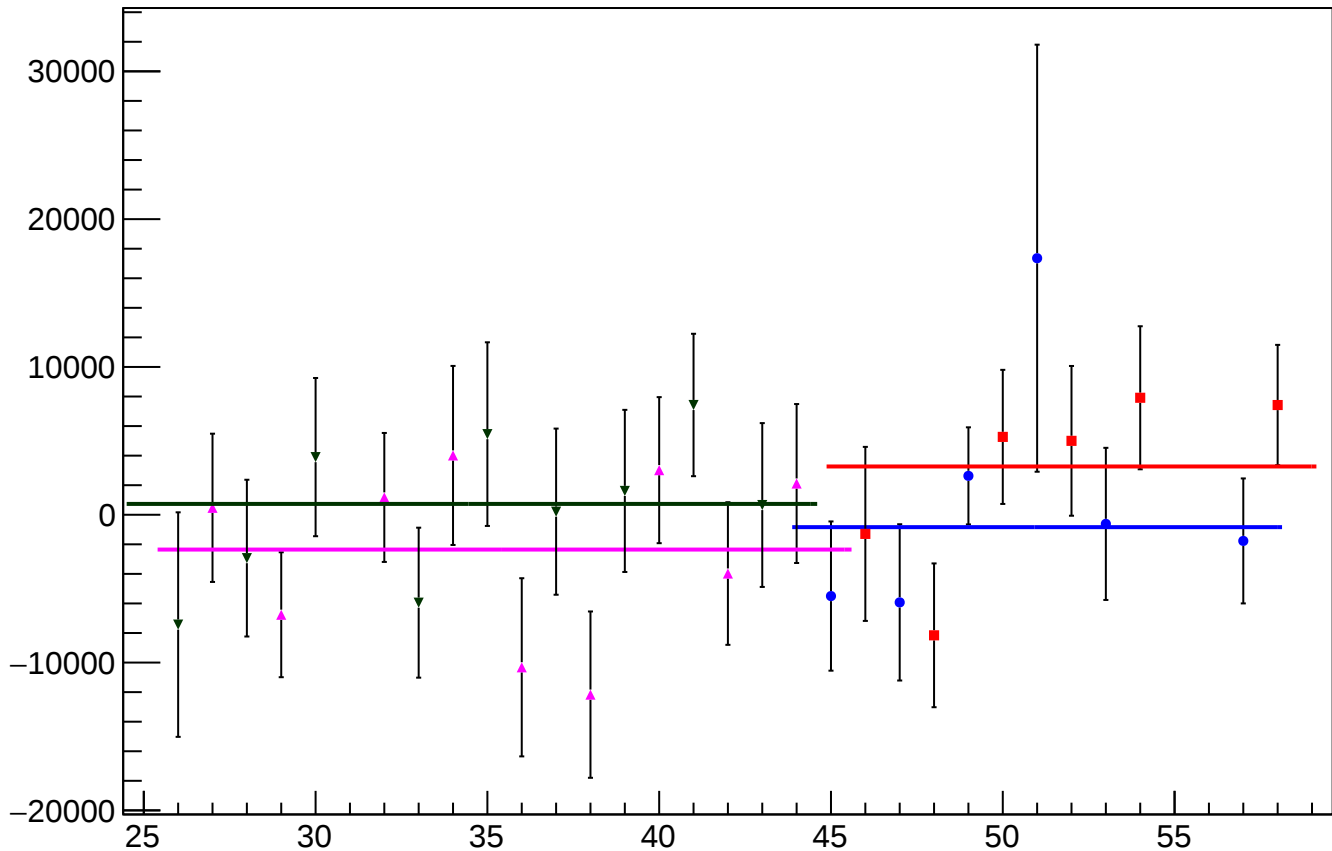
5568.080+/-1.421 χ^2/NDF : 426023.0/14

Right Out: 5049.337+/-2.073 χ^2/NDF : 44297.8/5

5556.315+/-1.350 χ^2/NDF : 241892.3/14

Left In: 5929.846+/-1.779 χ^2/NDF :93668.6/8

asym_sam_48_dd_mean vs slug



Right In: -838.139+/-1938.050 χ^2/NDF : 4.5/5

Left Out: 733.618+/-1847.056 χ^2/NDF : 6.3/8

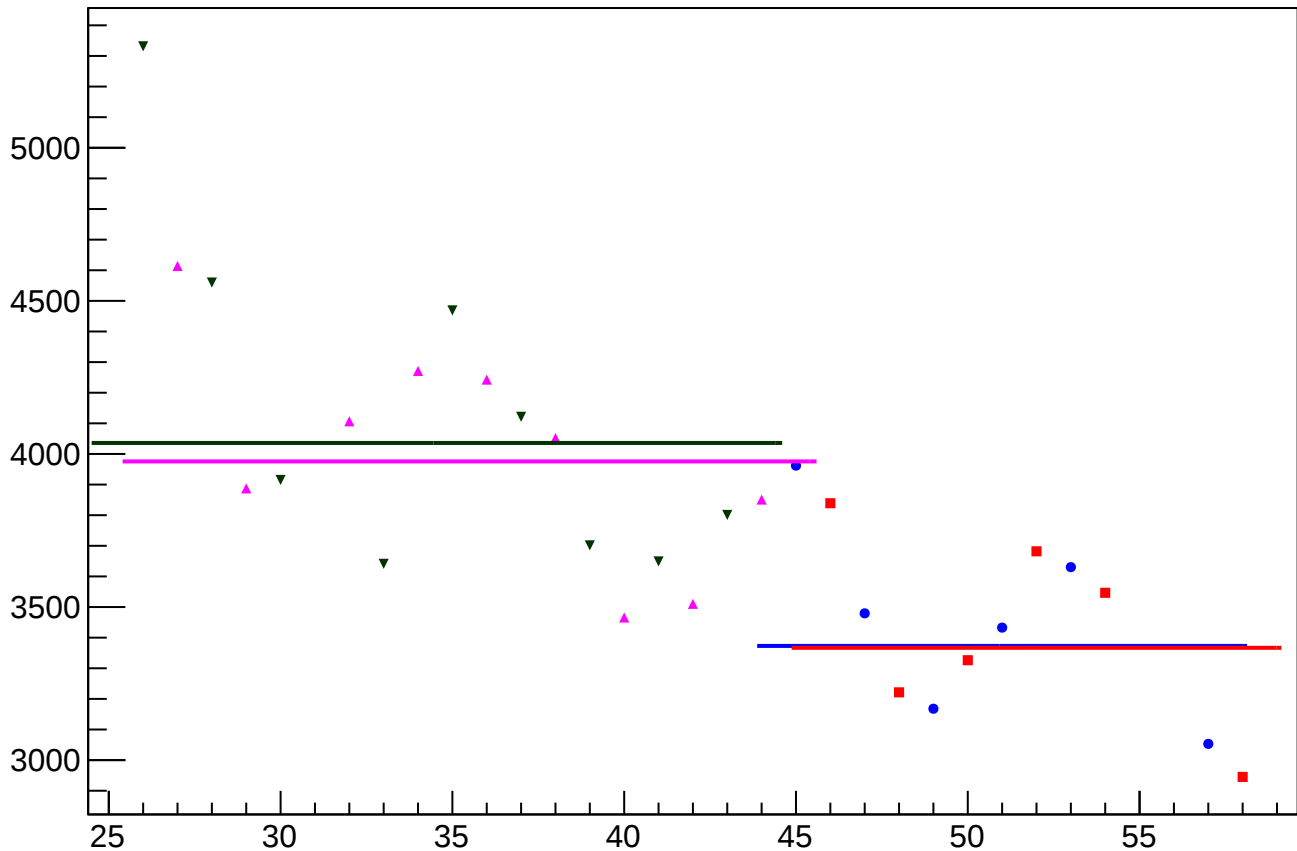
Right Out: 3266.877+/-1954.521 χ^2/NDF : 8.4/5

Left In: -2354.799+/-1682.711 χ^2/NDF : 9.9/8

-14.497+/-1337.078 χ^2/NDF : 11.1/14

38.265+/-1275.219 χ^2/NDF : 23.1/14

asym_sam_48_dd_rms vs slug



Right In: 3373.023+/-1.370 χ^2/NDF : 52314.9/5

Left Out: 4035.979+/-1.306 χ^2/NDF :124959.6/8

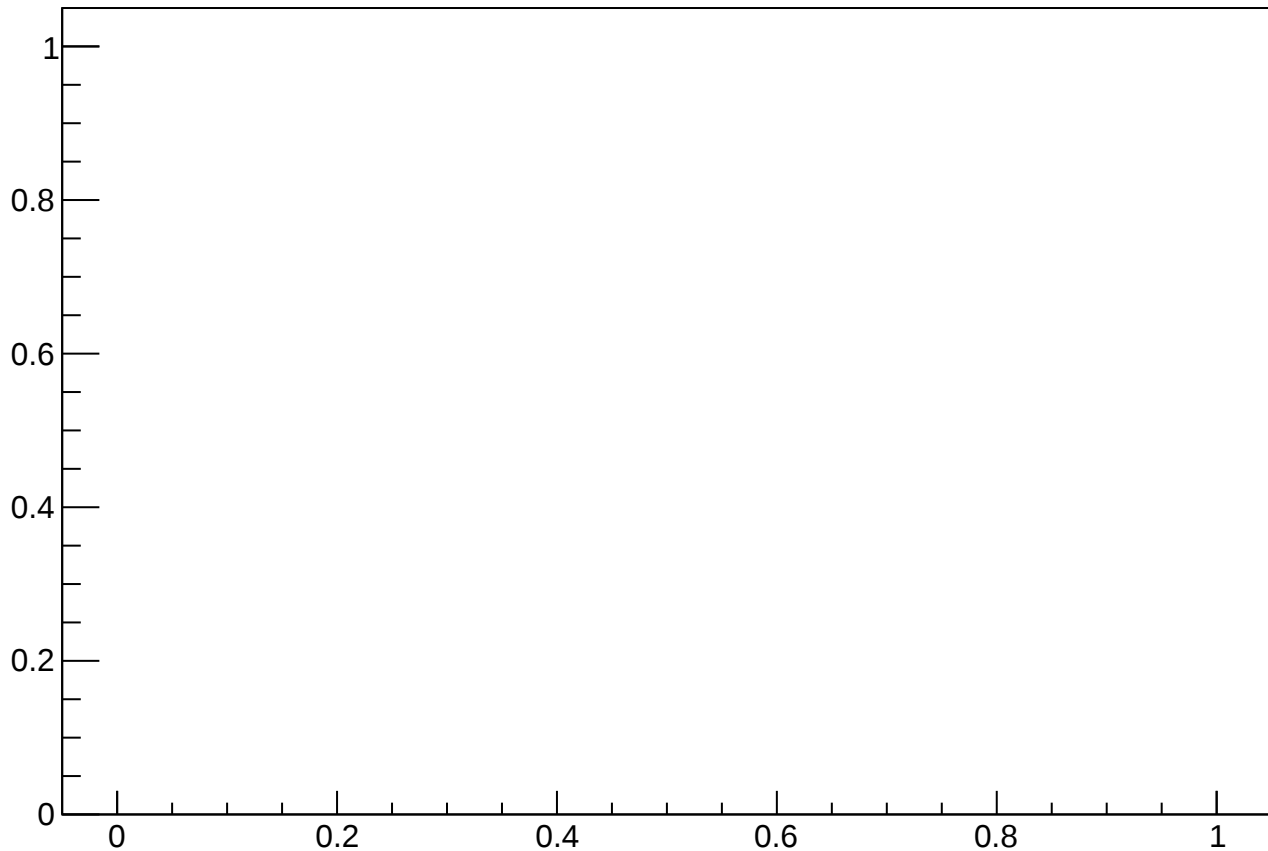
3720.429+/-0.945 χ^2/NDF : 299911.7/14

Right Out: 3366.862+/-1.382 χ^2/NDF : 46791.3/5

3716.472+/-0.902 χ^2/NDF : 243300.6/14

Left In: 3975.604+/-1.190 χ^2/NDF :85088.4/8

yield_sam_15_dd_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

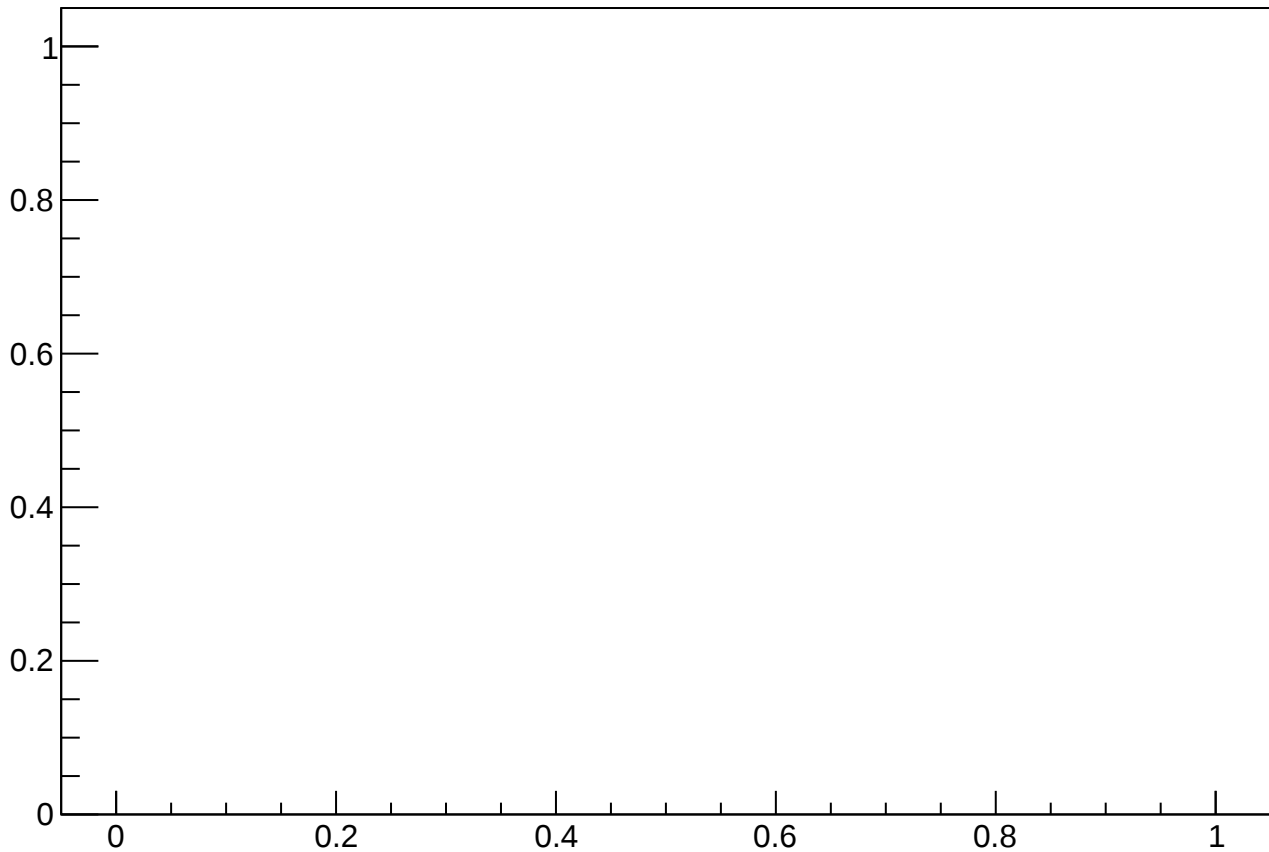
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_sam_15_dd_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

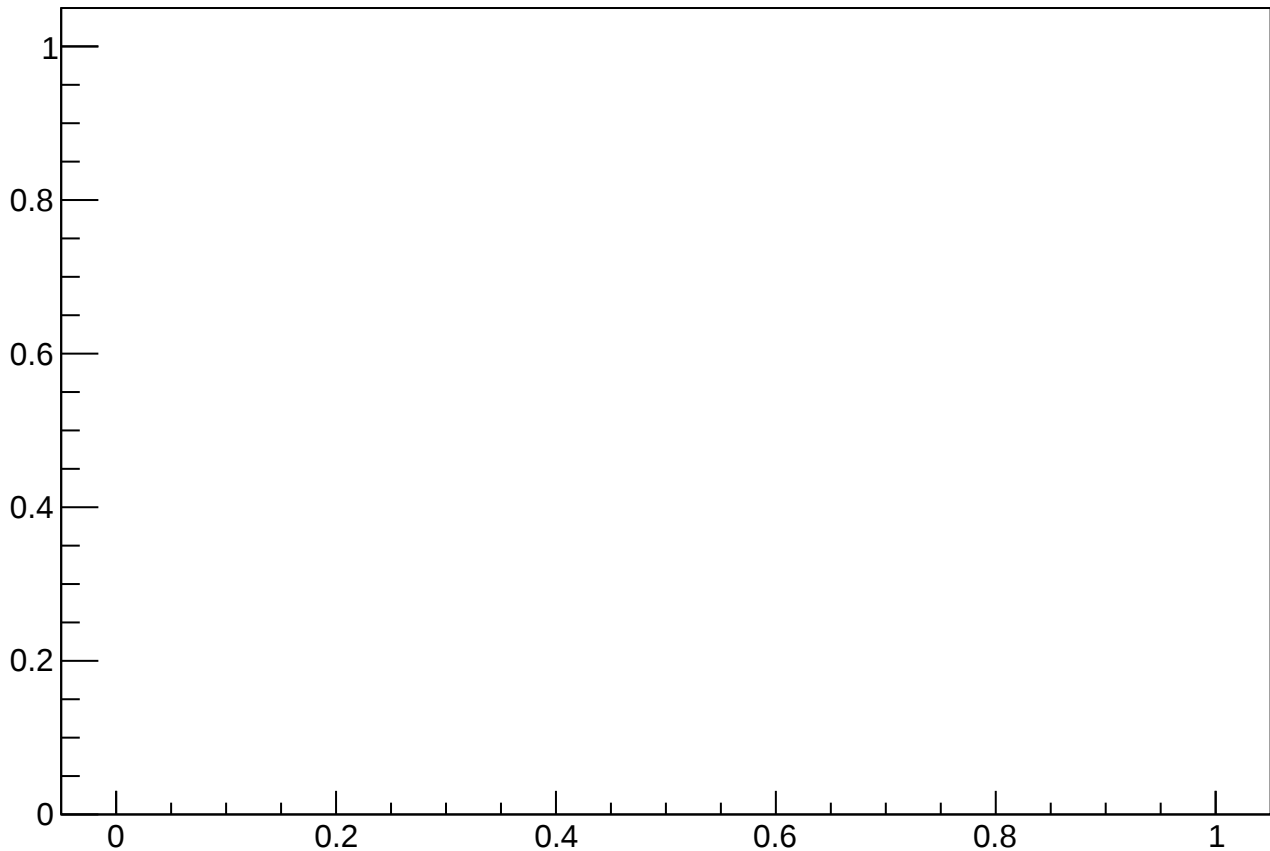
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_sam_26_dd_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

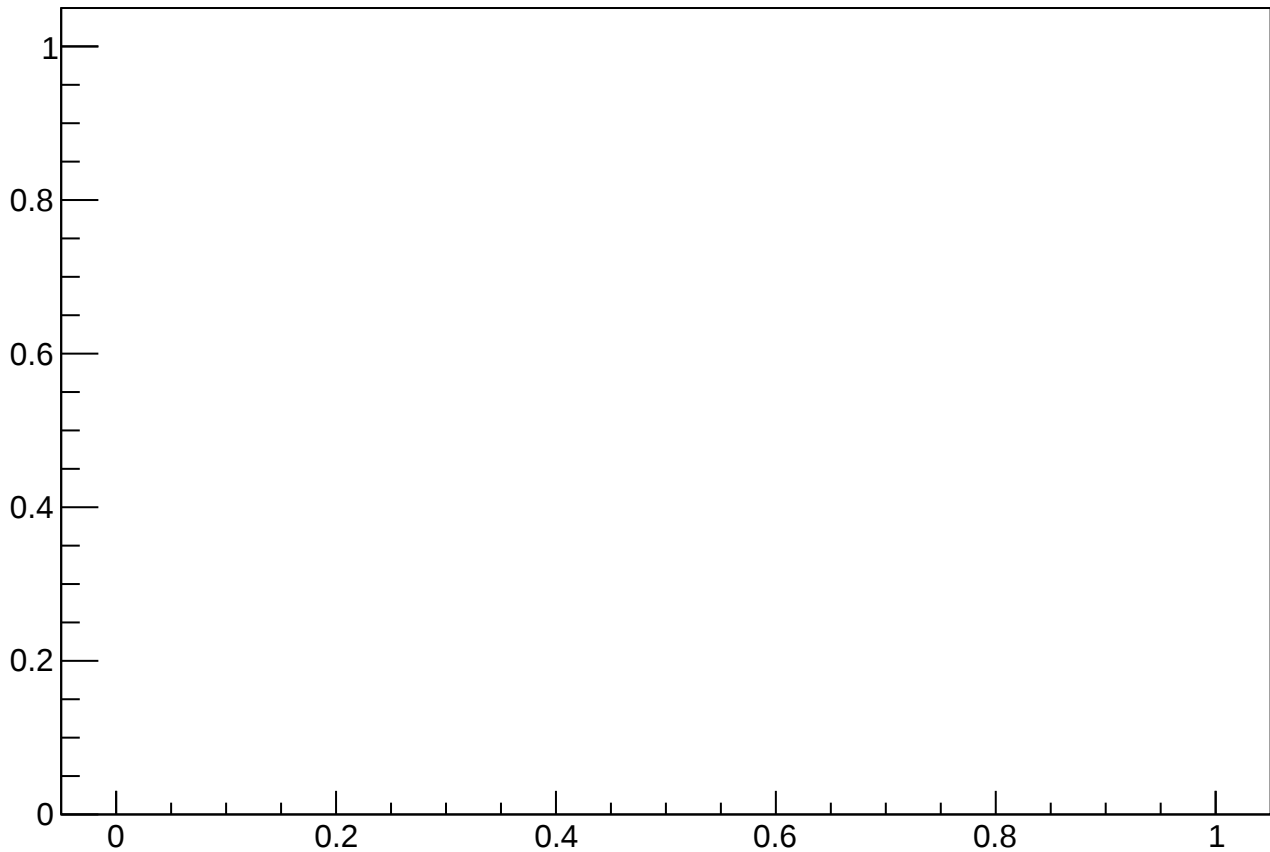
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_sam_26_dd_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

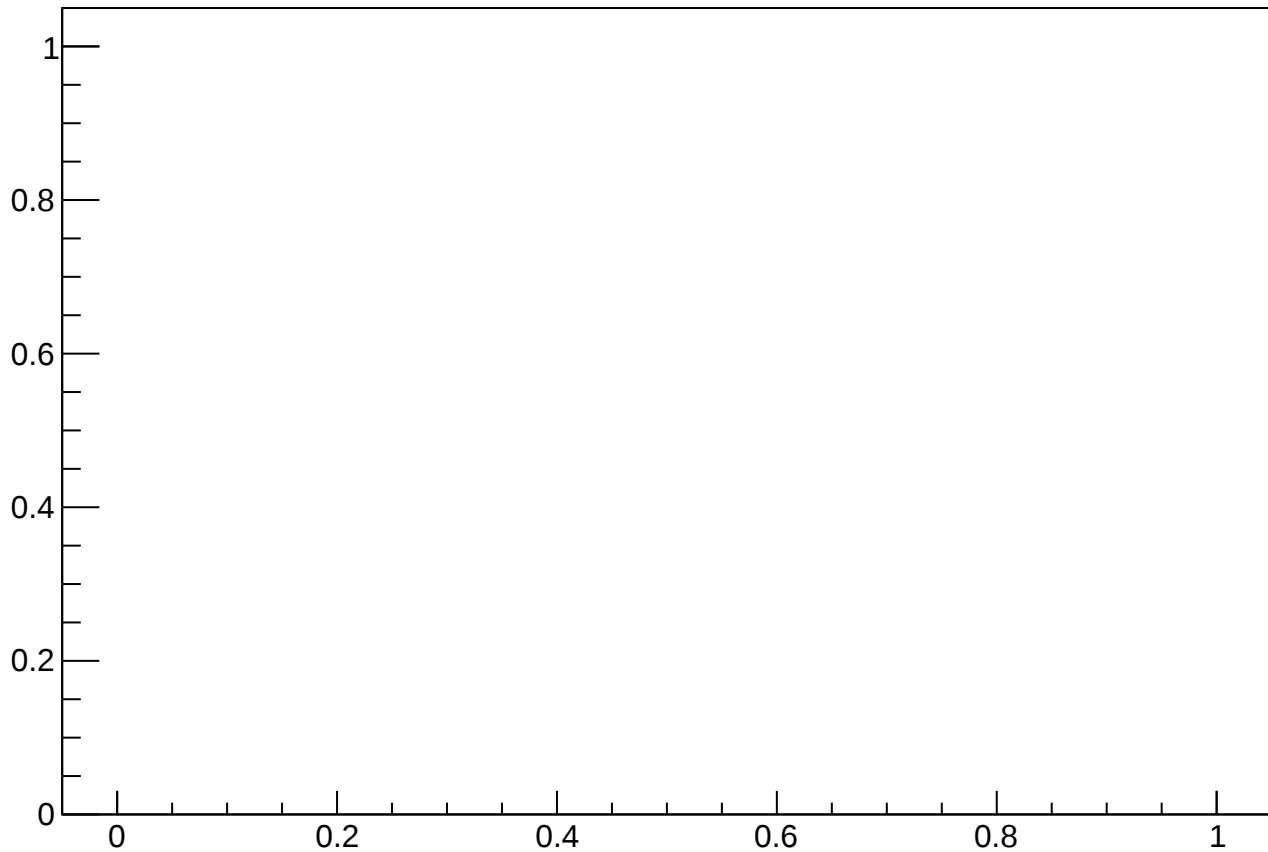
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_sam_37_dd_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

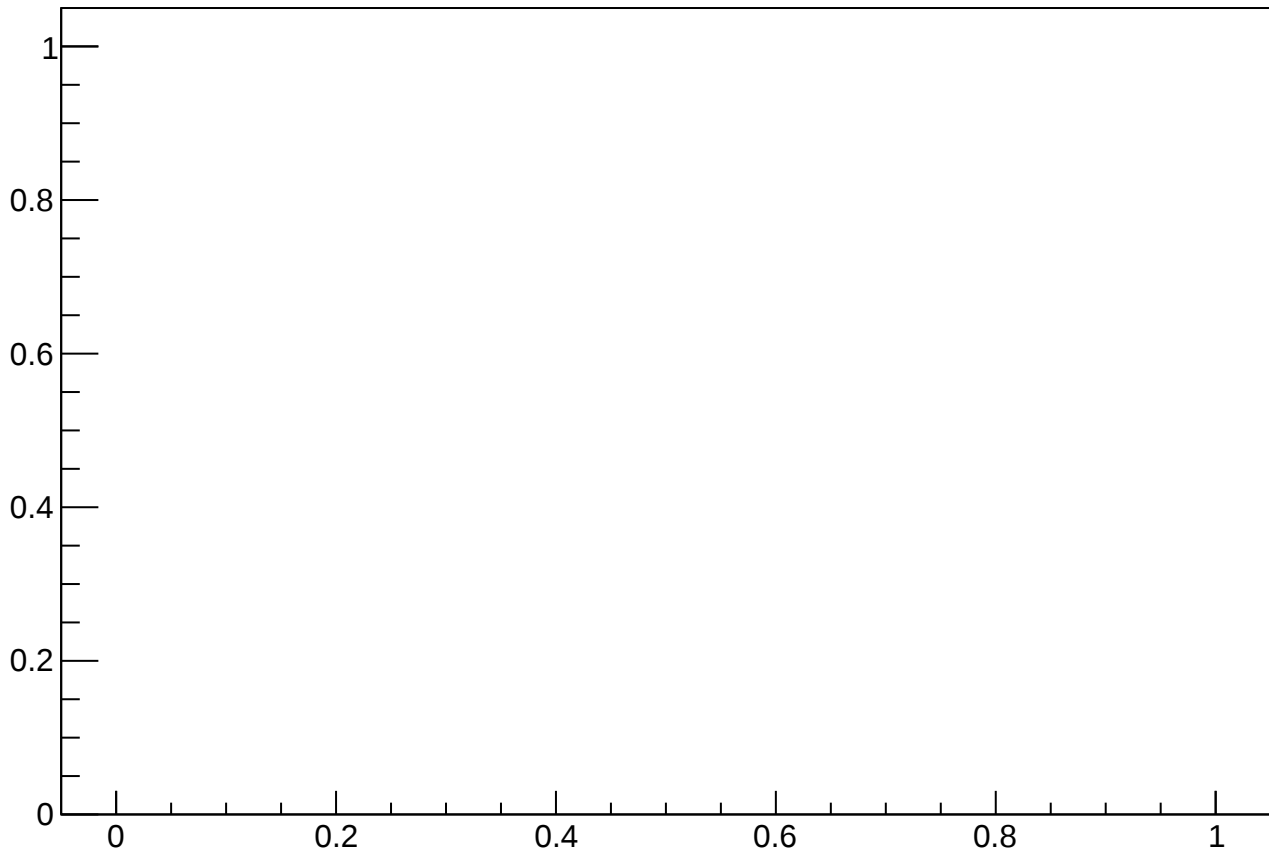
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_sam_37_dd_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

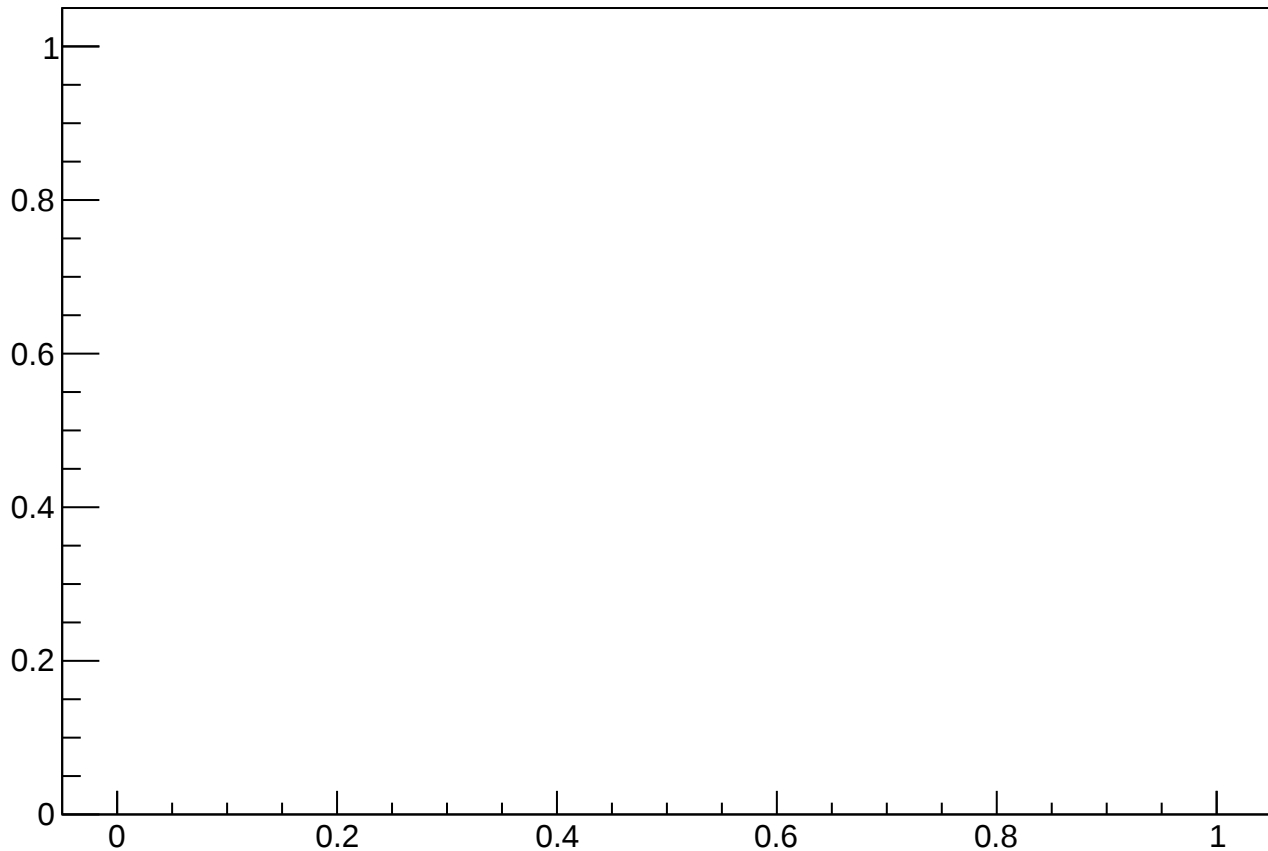
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_sam_48_dd_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

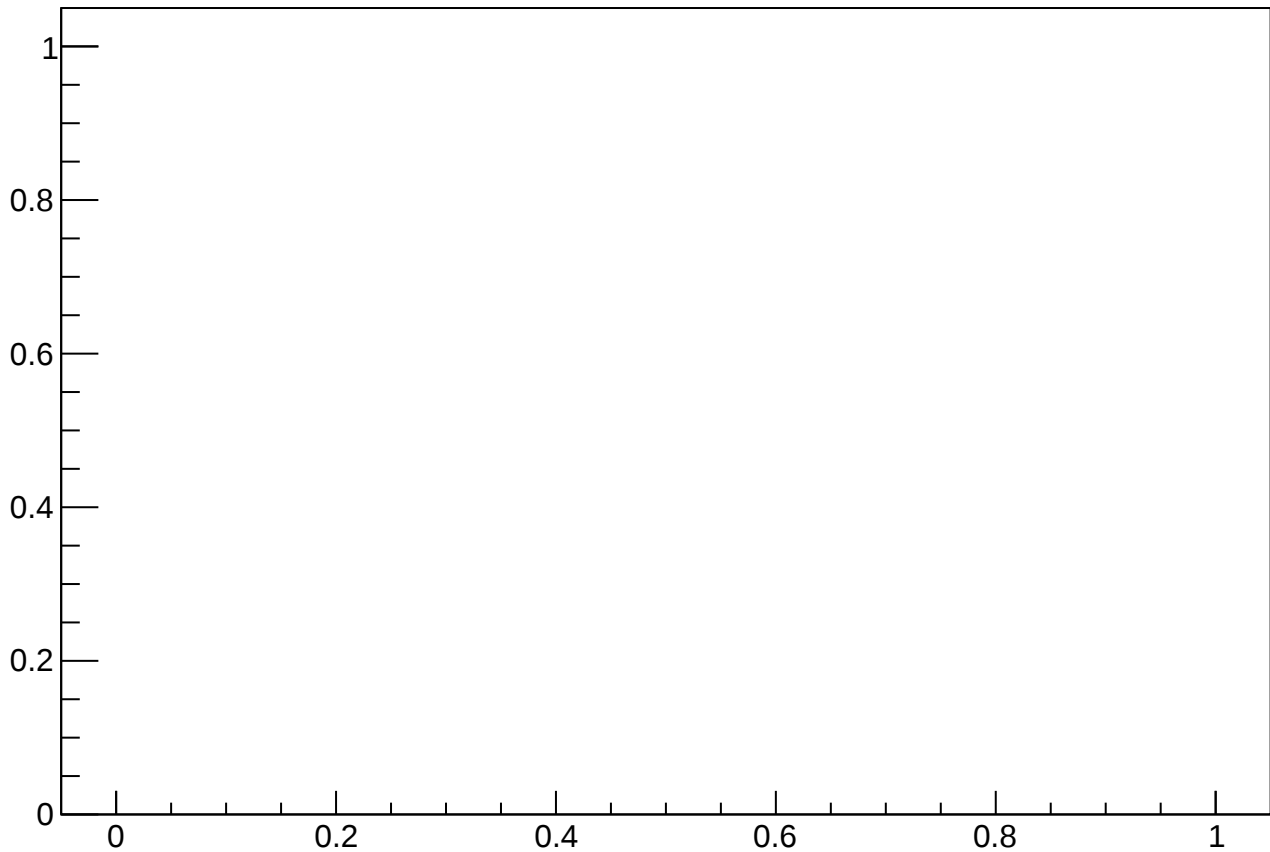
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

yield_sam_48_dd_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

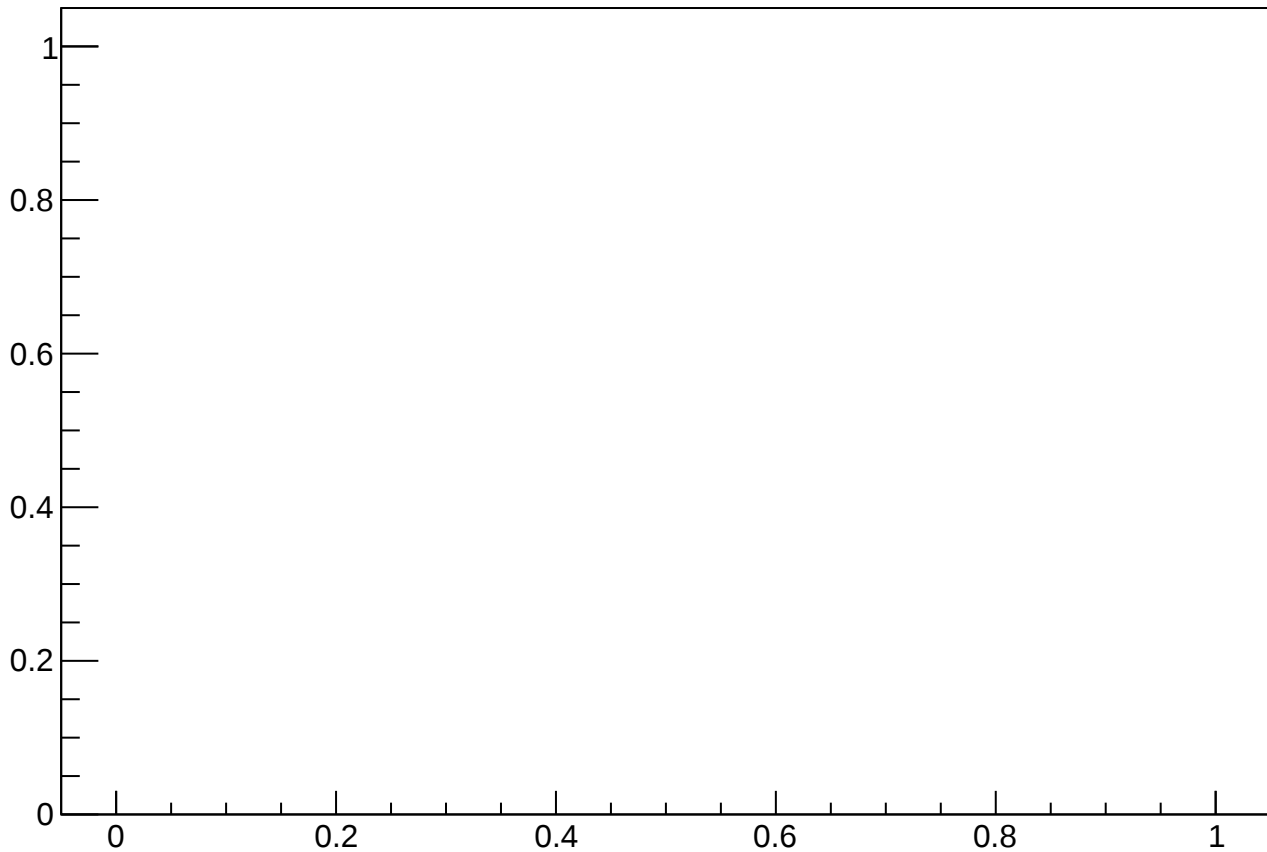
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

cor_sam_15_dd_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

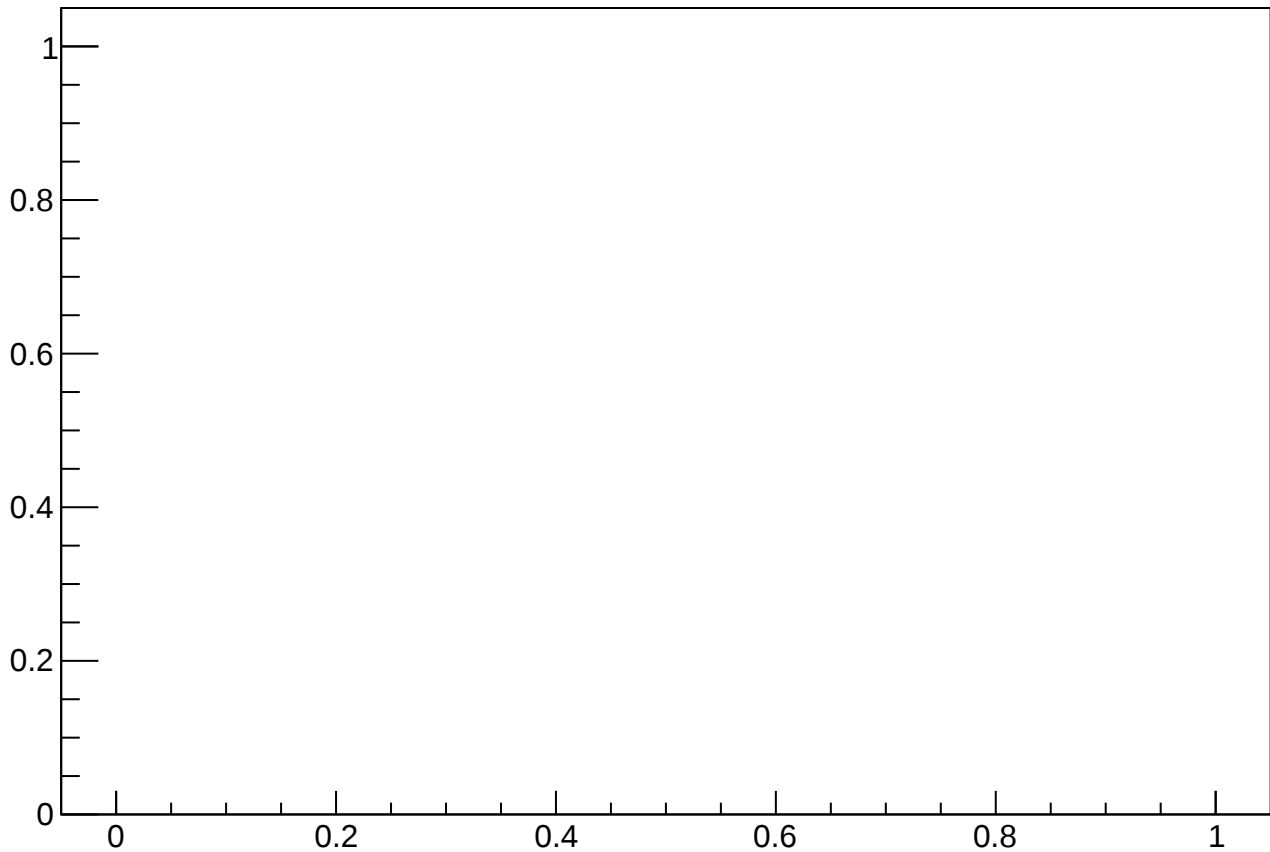
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

cor_sam_15_dd_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

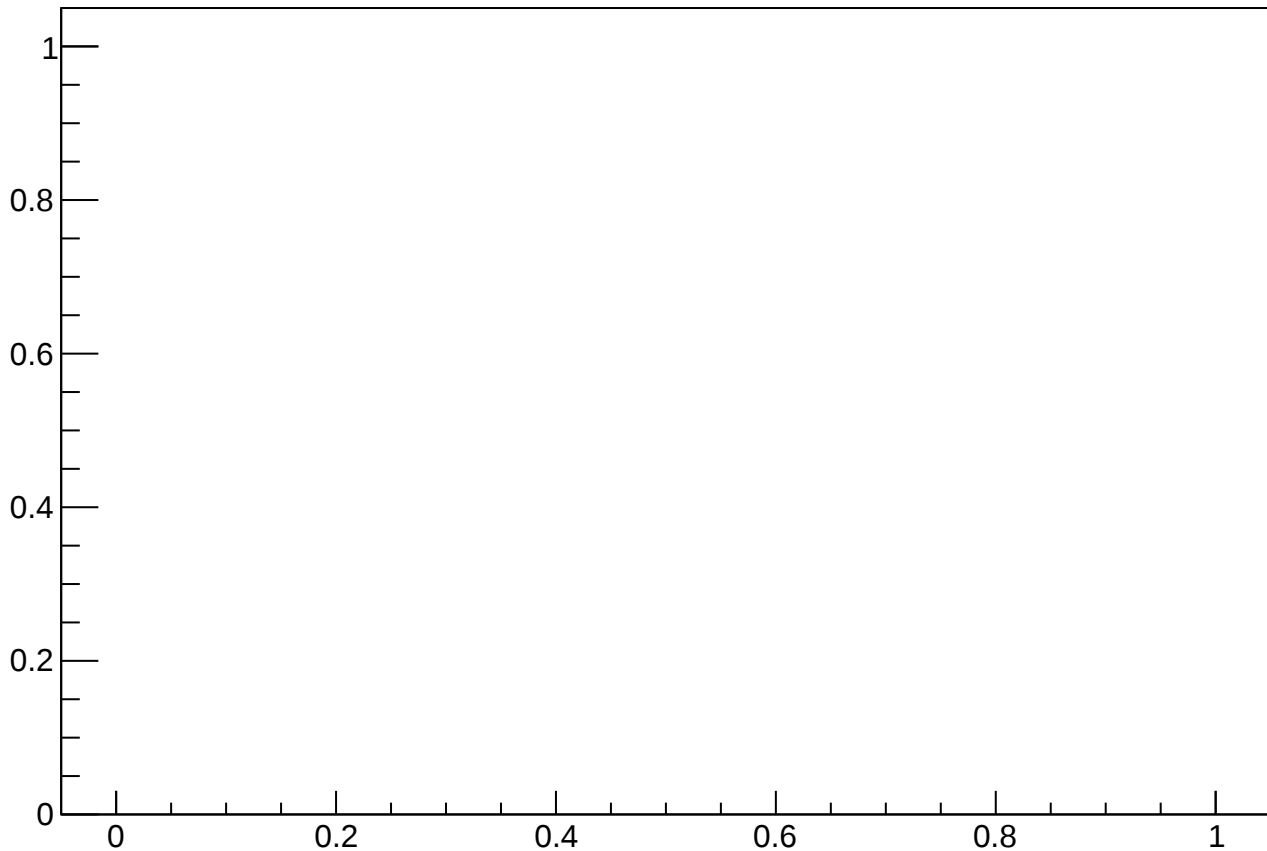
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

cor_sam_26_dd_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

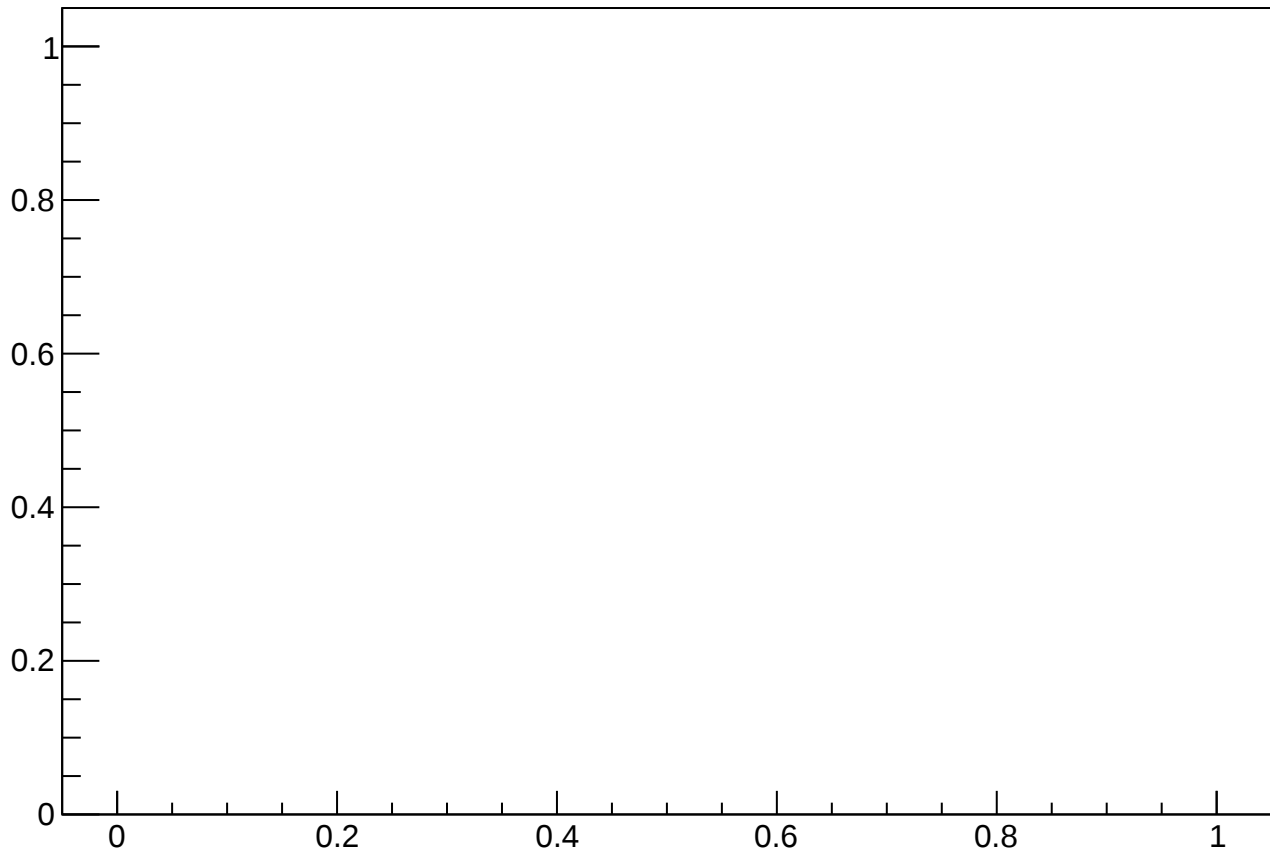
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

cor_sam_26_dd_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

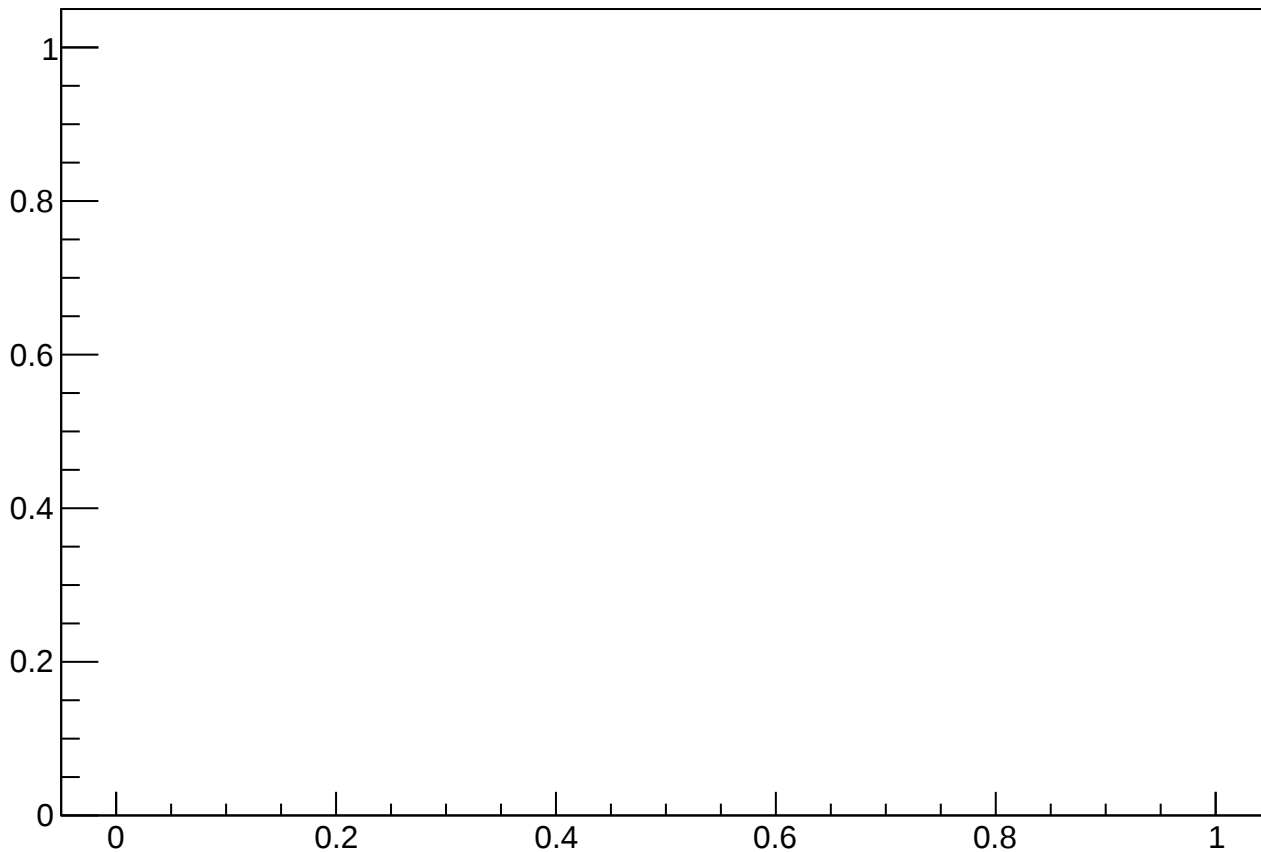
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

cor_sam_37_dd_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

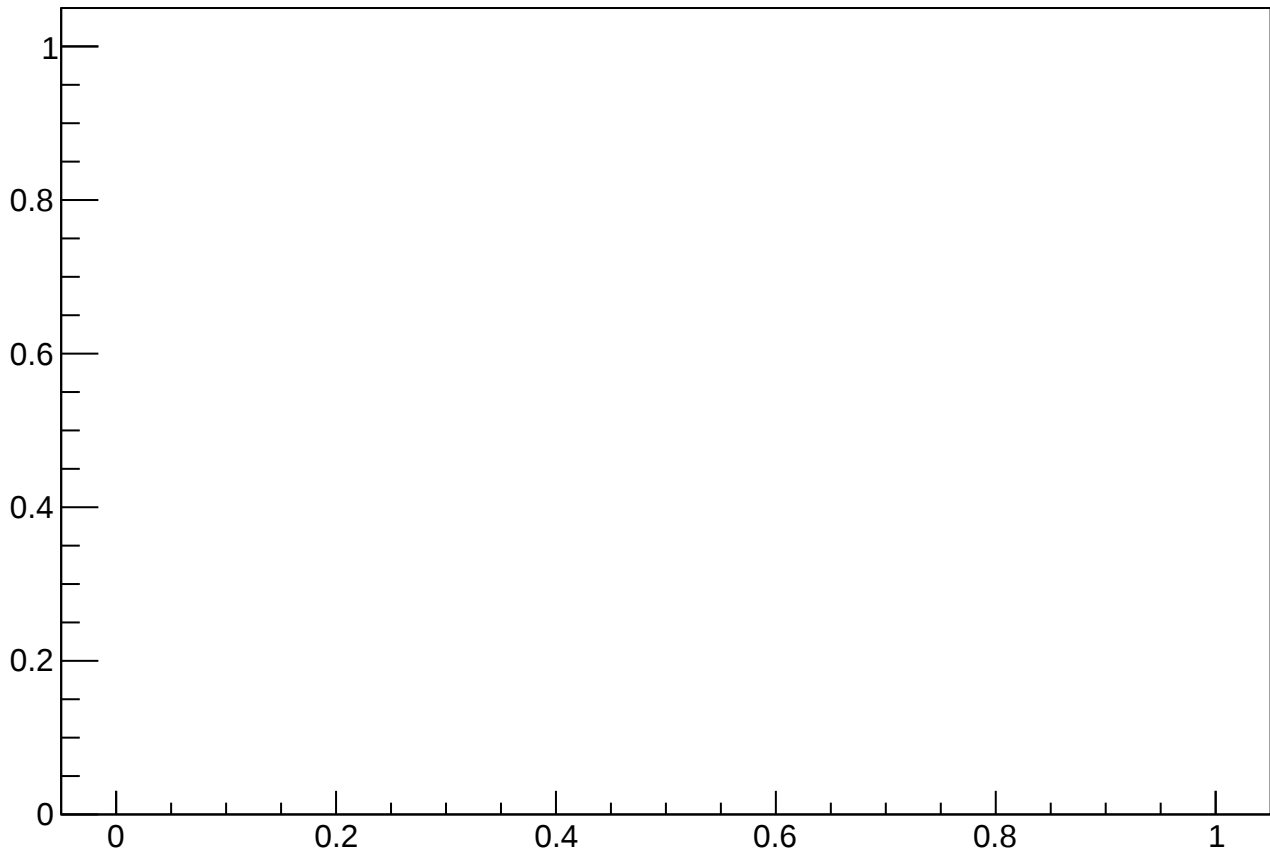
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

cor_sam_37_dd_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

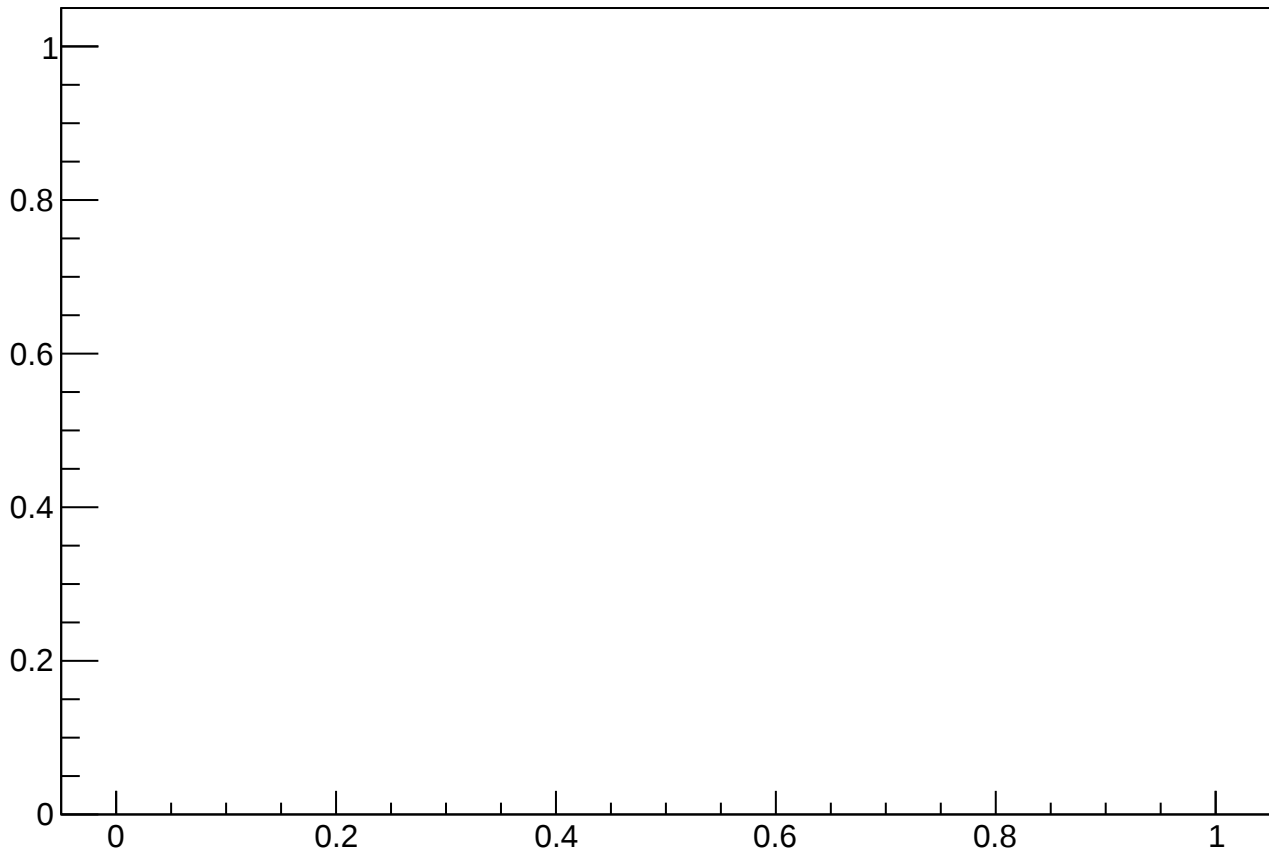
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

cor_sam_48_dd_mean vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

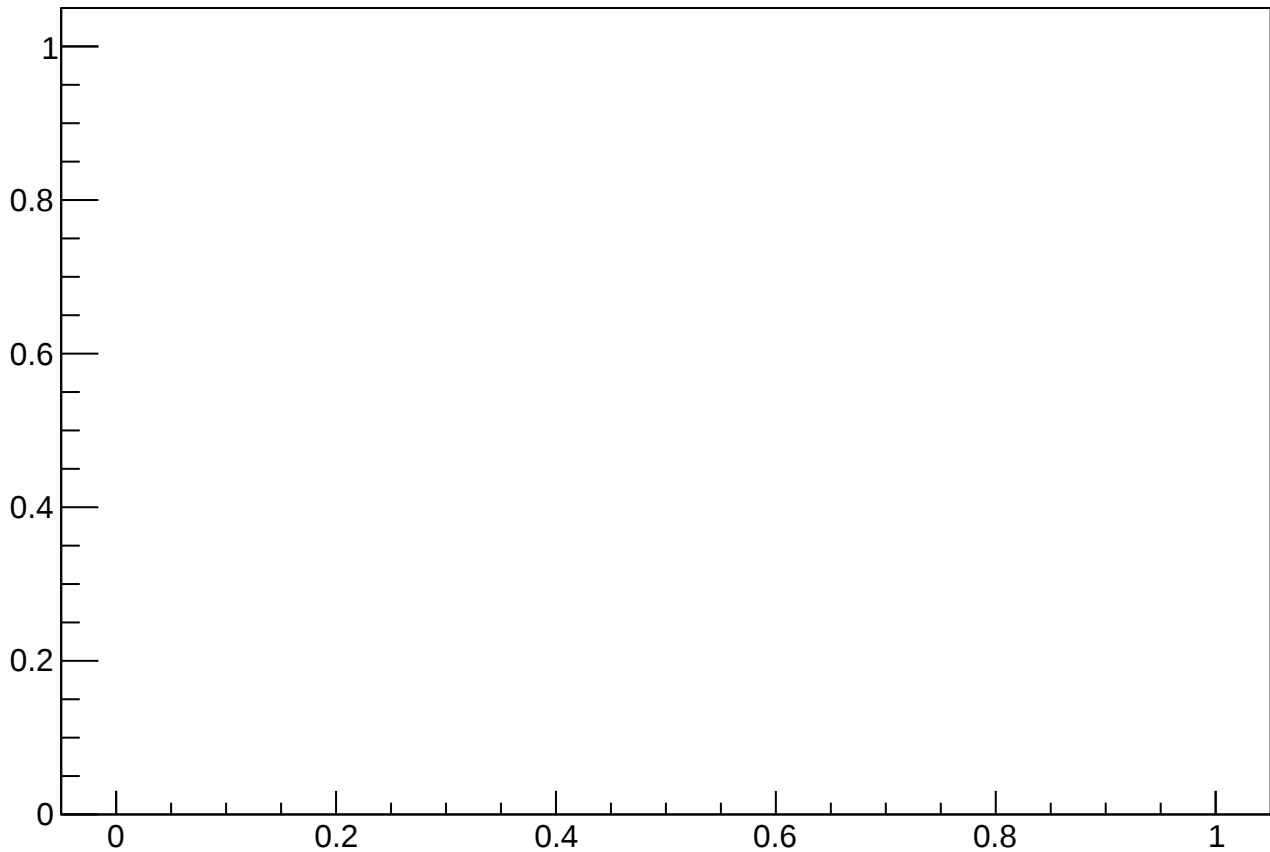
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

cor_sam_48_dd_rms vs slug



Right In: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

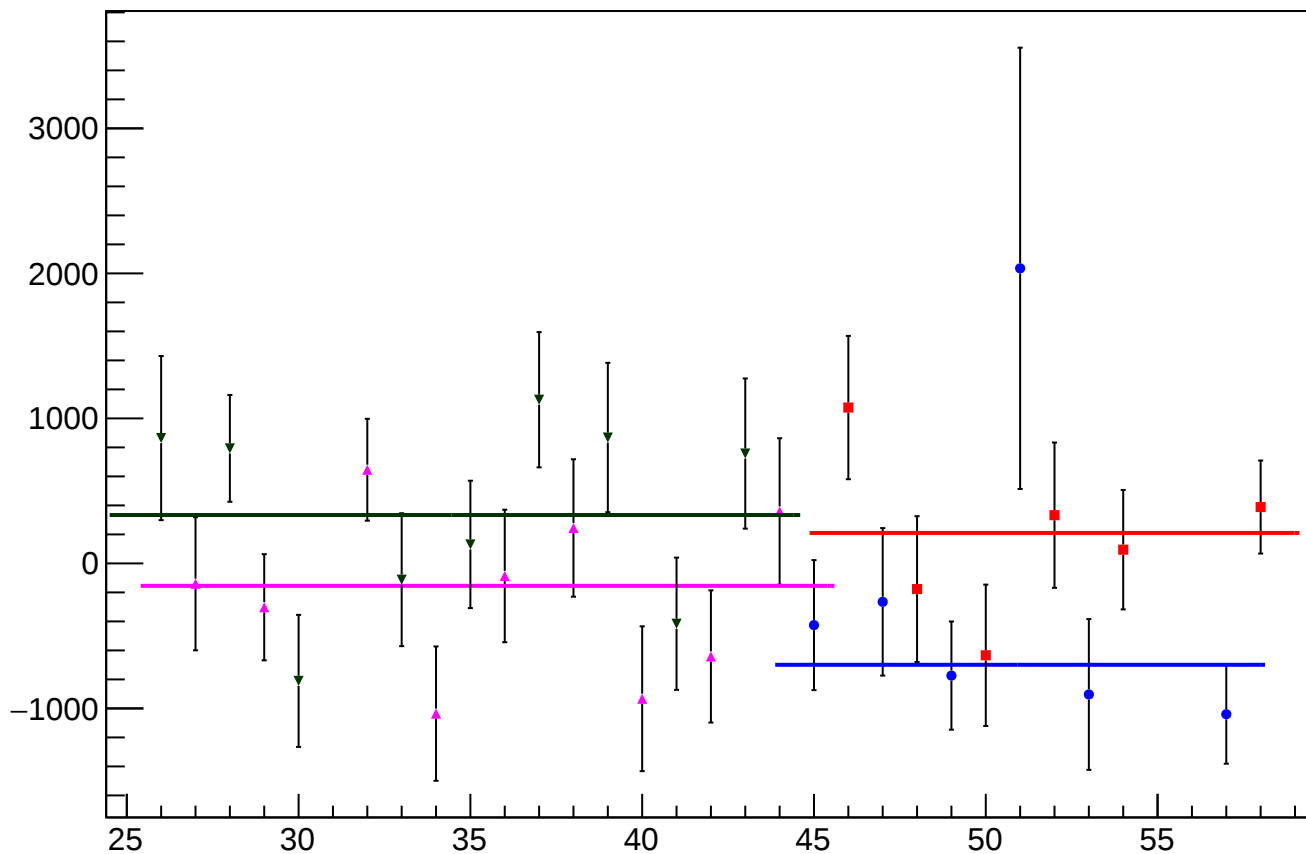
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

0.000+/-0.000 χ^2/NDF : 0.0/0

reg_asym_sam_15_dd_mean vs slug



Right In: -698.978 ± 186.516 χ^2/NDF : 5.5/5

Left Out: 333.723 ± 154.013 χ^2/NDF : 17.3/8

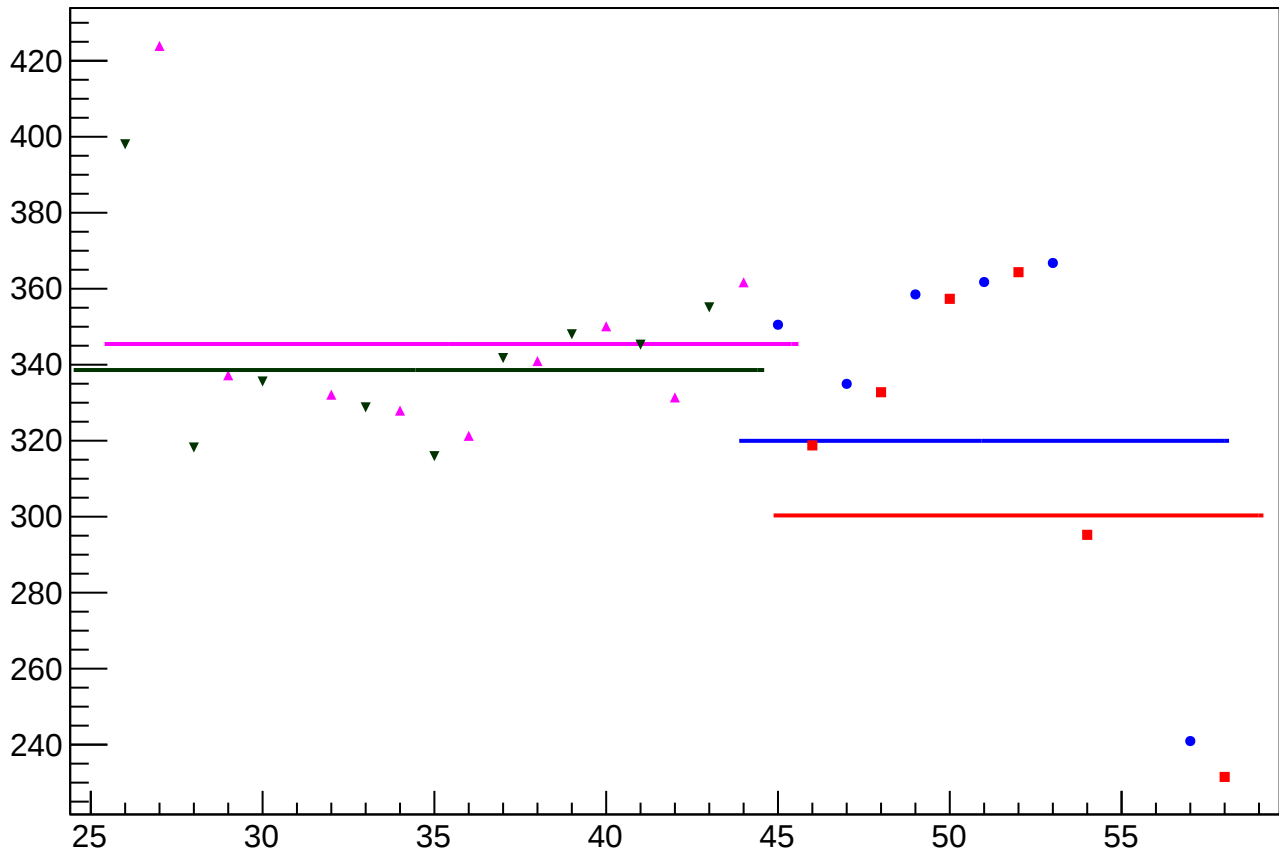
Right Out: 210.266 ± 177.168 χ^2/NDF : 7.1/5

Left In: -154.649 ± 145.928 χ^2/NDF : 14.3/8

-84.948 ± 118.759 χ^2/NDF : 41.0/14

-7.148 ± 112.638 χ^2/NDF : 23.9/14

reg_asym_sam_15_dd_rms vs slug



Right In: 319.965+/-0.132 χ^2/NDF : 157304.9/5

Left Out: 338.603+/-0.109 χ^2/NDF : 37731.2/8

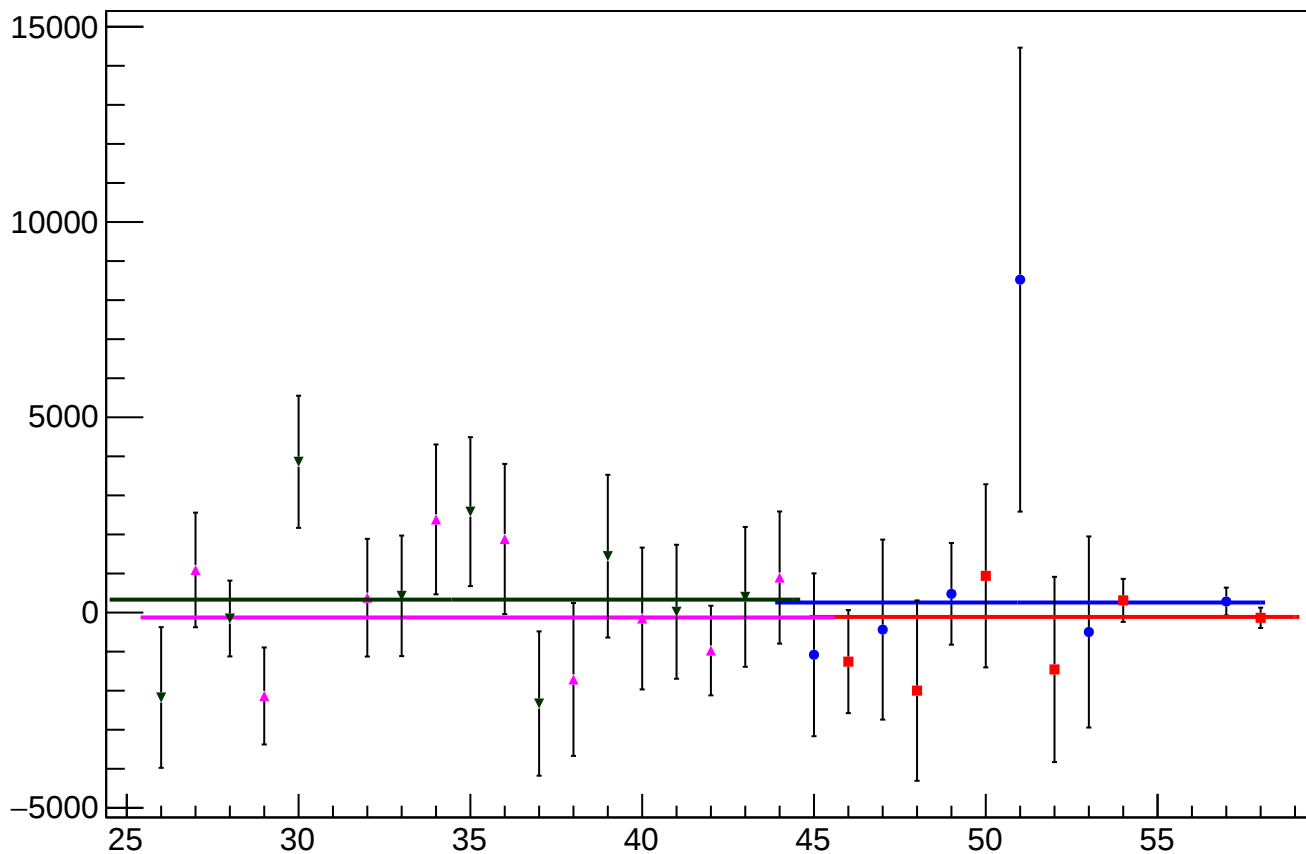
Right Out: 300.327+/-0.125 χ^2/NDF : 163540.3/5

Left In: 345.453+/-0.103 χ^2/NDF : 75102.1/8

331.047+/-0.084 χ^2/NDF : 206910.1/14

327.213+/-0.080 χ^2/NDF : 315947.4/14

asym_sam_15_dd_correction_mean vs slug



Right In: 257.683+/-331.492 χ^2/NDF : 2.6/5

Left Out: 331.481+/-527.893 χ^2/NDF : 10.3/8

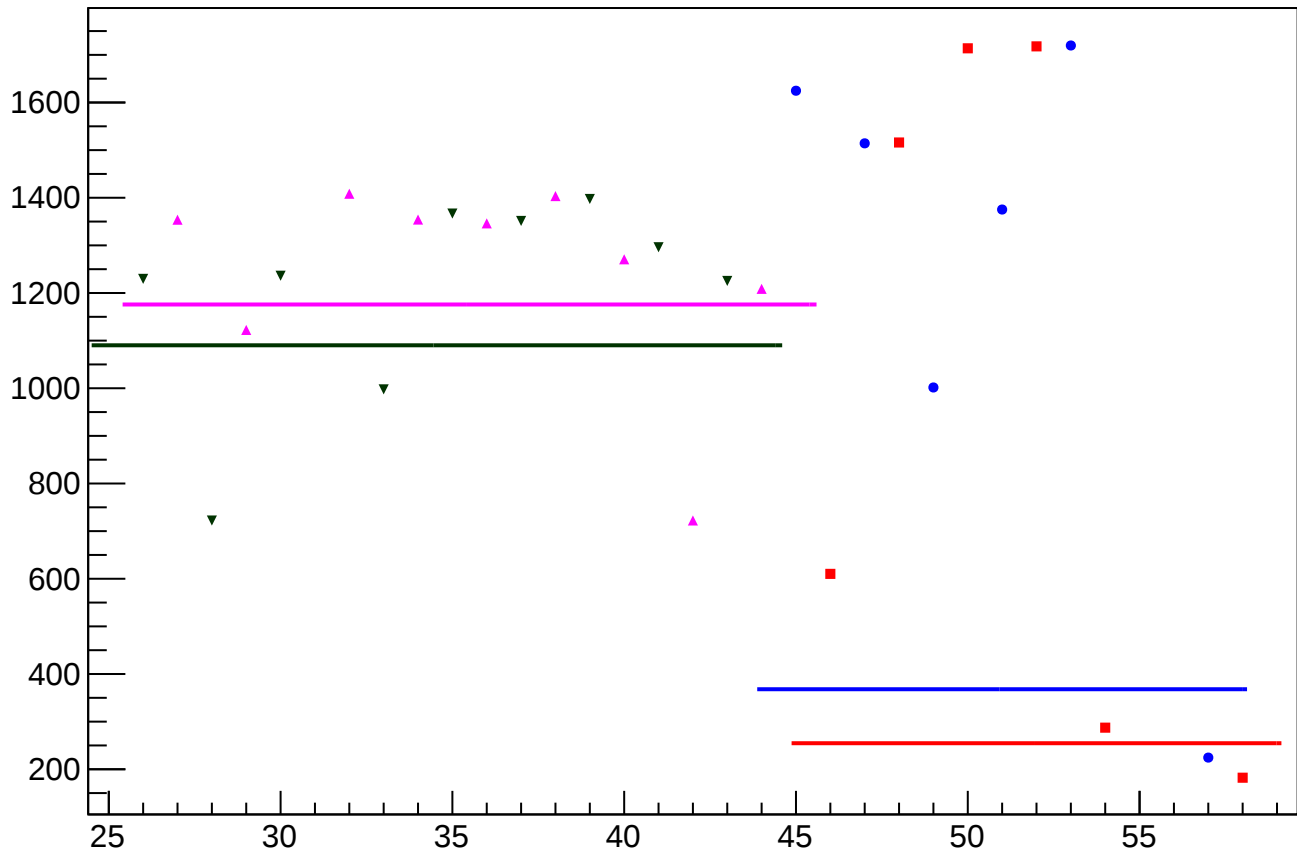
Right Out: -111.489+/-227.932 χ^2/NDF : 2.5/5

Left In: -125.241+/-515.151 χ^2/NDF : 7.8/8

278.554+/-280.731 χ^2/NDF : 12.9/14

-113.740+/-208.440 χ^2/NDF : 10.3/14

asym_sam_15_dd_correction_rms vs slug



Right In: 368.033 ± 0.234 χ^2/NDF : 2688761.6/5

Left Out: 1090.209 ± 0.373 χ^2/NDF : 487169.4/8

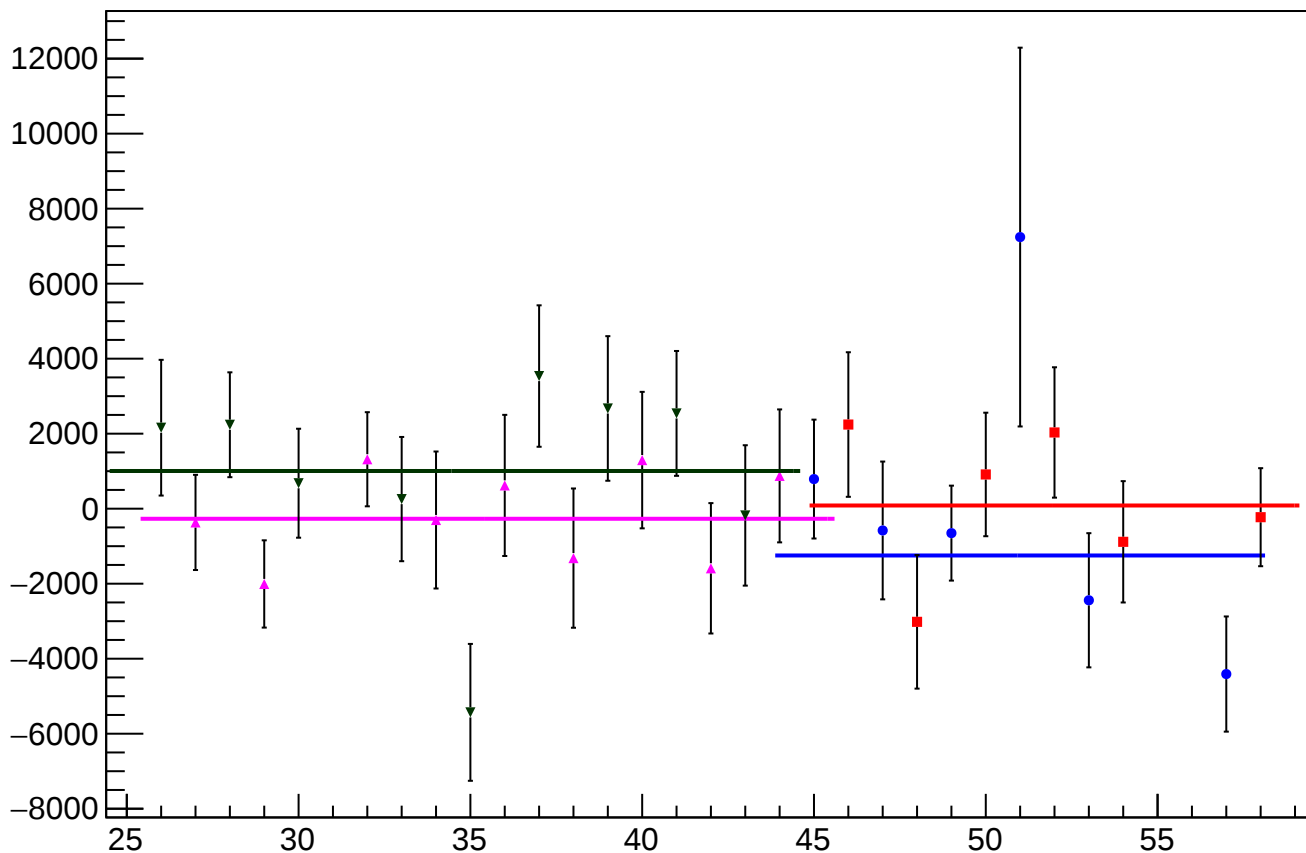
Right Out: 254.683 ± 0.161 χ^2/NDF : 2440645.7/5

Left In: 1175.873 ± 0.364 χ^2/NDF : 459475.9/8

572.270 ± 0.199 χ^2/NDF : 5860408.7/14

405.498 ± 0.147 χ^2/NDF : 8248378.3/14

reg_asym_sam_26_dd_mean vs slug



Right In: -1247.791 $\pm$ 690.997 χ^2 /NDF: 9.5/5

Left Out: 1004.954 $\pm$ 563.215 χ^2 /NDF: 17.7/8

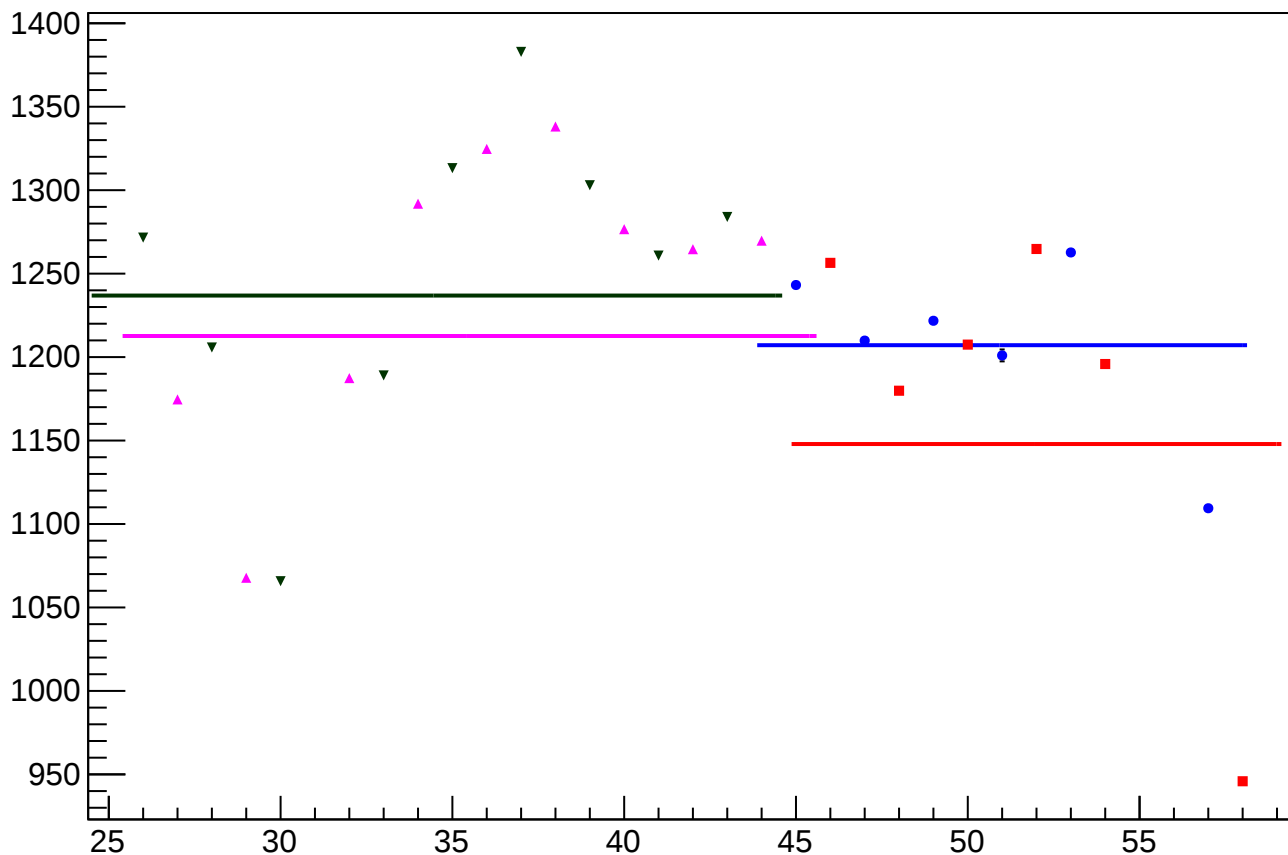
Right Out: 85.036 $\pm$ 666.421 χ^2 /NDF: 6.2/5

Left In: -269.126 $\pm$ 511.768 χ^2 /NDF: 6.1/8

105.738 $\pm$ 436.568 χ^2 /NDF: 33.6/14

-137.745 $\pm$ 405.894 χ^2 /NDF: 12.5/14

reg_asym_sam_26_dd_rms vs slug



Right In: 1207.133+/-0.489 χ^2/NDF : 11333.1/5

Left Out: 1236.870+/-0.398 χ^2/NDF : 50666.9/8

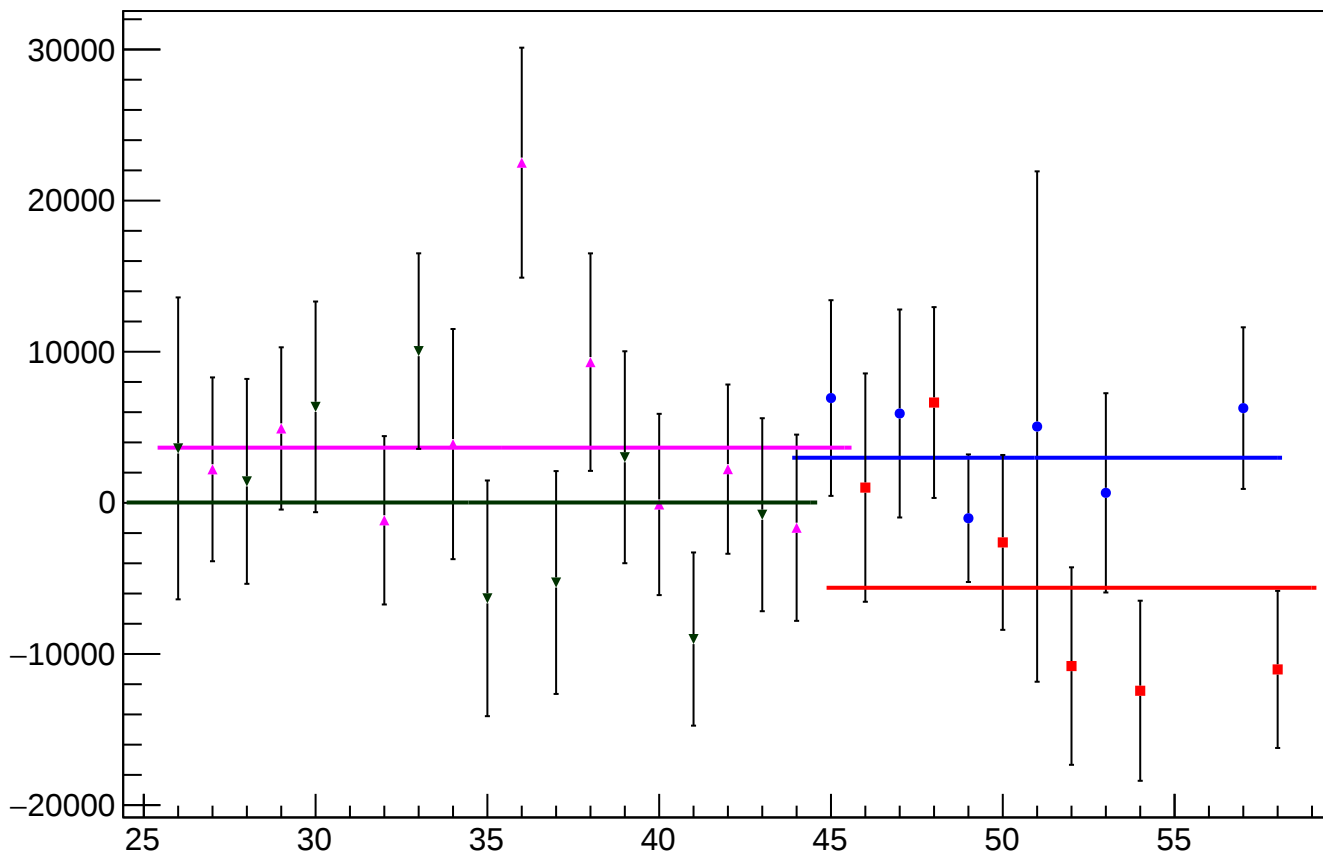
Right Out: 1147.916+/-0.471 χ^2/NDF : 68180.0/5

Left In: 1212.638+/-0.362 χ^2/NDF : 59937.7/8

1225.000+/-0.309 χ^2/NDF : 64225.6/14

1188.629+/-0.287 χ^2/NDF : 139984.0/14

asym_sam_26_dd_correction_mean vs slug



Right In: 2985.979 ± 2480.138 χ^2/NDF : 2.0/5

Left Out: 23.937 ± 2316.200 χ^2/NDF : 7.3/8

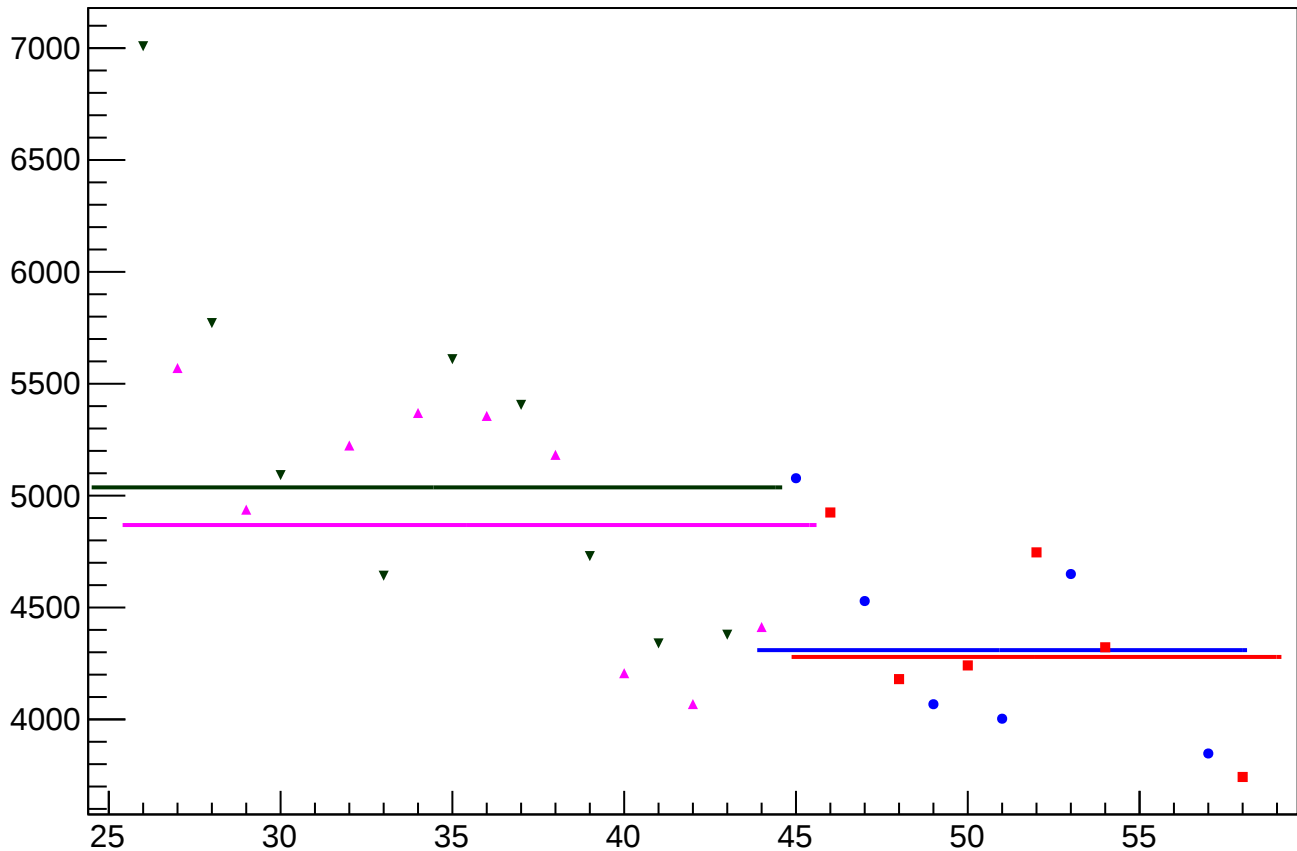
Right Out: -5618.349 ± 2491.624 χ^2/NDF : 7.8/5

Left In: 3653.038 ± 2068.097 χ^2/NDF : 8.8/8

1403.834 ± 1692.792 χ^2/NDF : 10.0/14

-128.854 ± 1591.346 χ^2/NDF : 24.8/14

asym_sam_26_dd_correction_rms vs slug



Right In: 4309.571+/-1.754 χ^2/NDF : 57657.1/5

Left Out: 5036.928+/-1.638 χ^2/NDF :179439.1/8

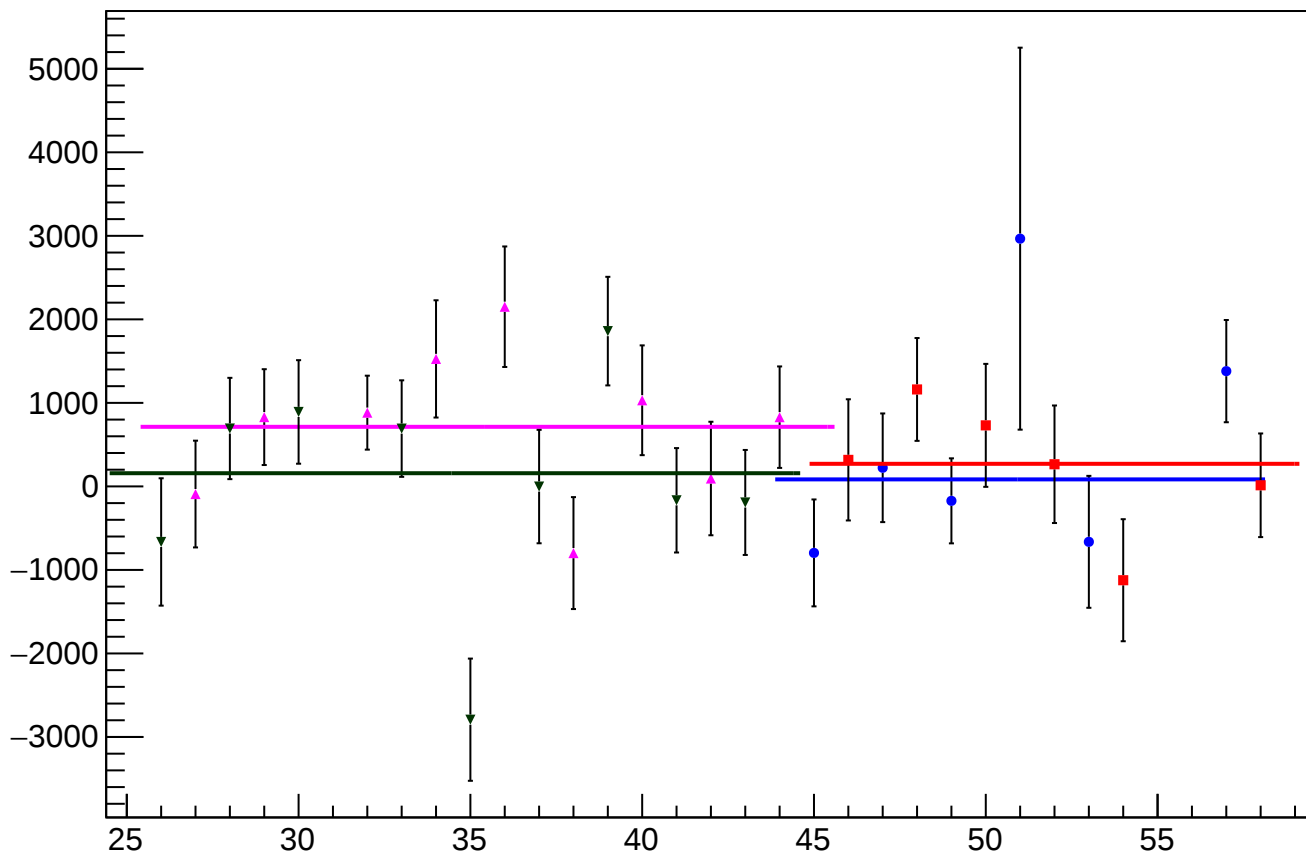
Right Out: 4279.126+/-1.762 χ^2/NDF : 46813.0/5

Left In: 4868.644+/-1.462 χ^2/NDF :131901.5/8

4698.081+/-1.197 χ^2/NDF : 328978.0/14

4628.173+/-1.125 χ^2/NDF : 245004.4/14

reg_asym_sam_37_dd_mean vs slug



Right In: 83.957+/-275.992 χ^2/NDF : 9.2/5

Left Out: 157.928+/-215.506 χ^2/NDF : 28.0/8

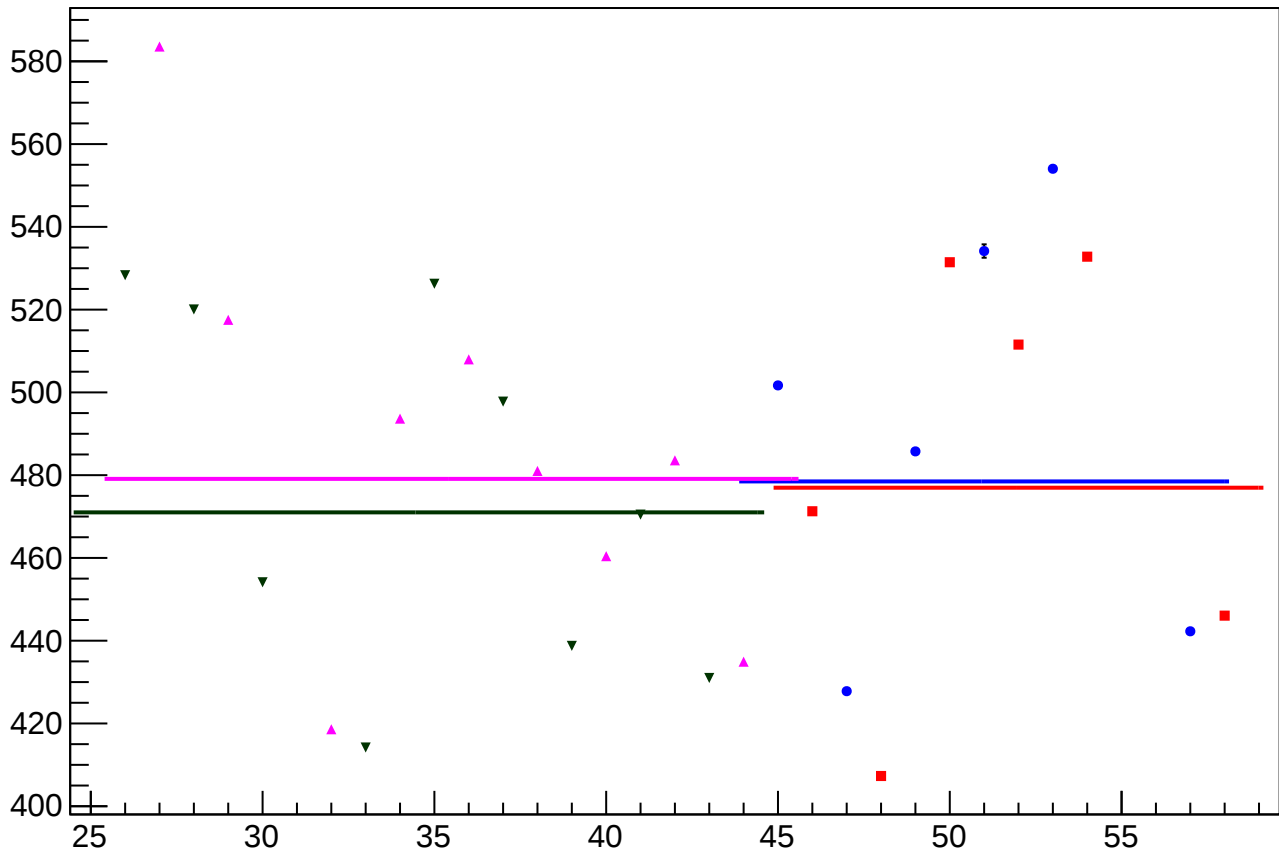
Right Out: 270.442+/-278.689 χ^2/NDF : 6.3/5

Left In: 713.441+/-204.299 χ^2/NDF : 13.3/8

129.910+/-169.858 χ^2/NDF : 37.2/14

558.591+/-164.768 χ^2/NDF : 21.2/14

reg_asym_sam_37_dd_rms vs slug



Right In: 478.488 ± 0.195 χ^2/NDF : 41665.9/5

Left Out: 471.009 ± 0.152 χ^2/NDF : 72737.7/8

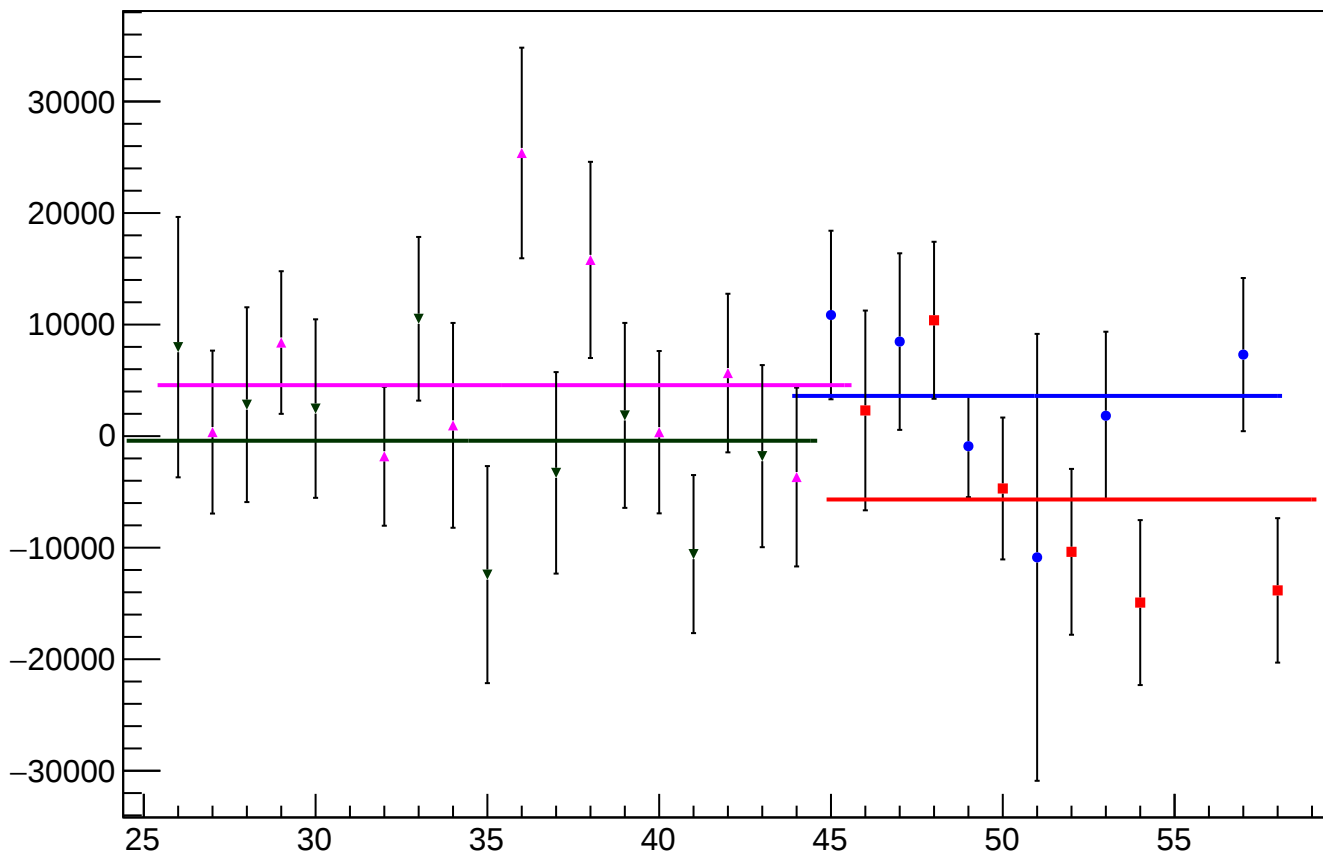
Right Out: 476.969 ± 0.197 χ^2/NDF : 58167.1/5

Left In: 479.100 ± 0.144 χ^2/NDF : 116130.5/8

473.842 ± 0.120 χ^2/NDF : 115315.9/14

478.355 ± 0.117 χ^2/NDF : 174373.7/14

asym_sam_37_dd_correction_mean vs slug



Right In: 3605.462 $\pm$ 2854.756 χ^2 /NDF: 3.1/5

Left Out: -413.785 $\pm$ 2806.714 χ^2 /NDF: 6.8/8

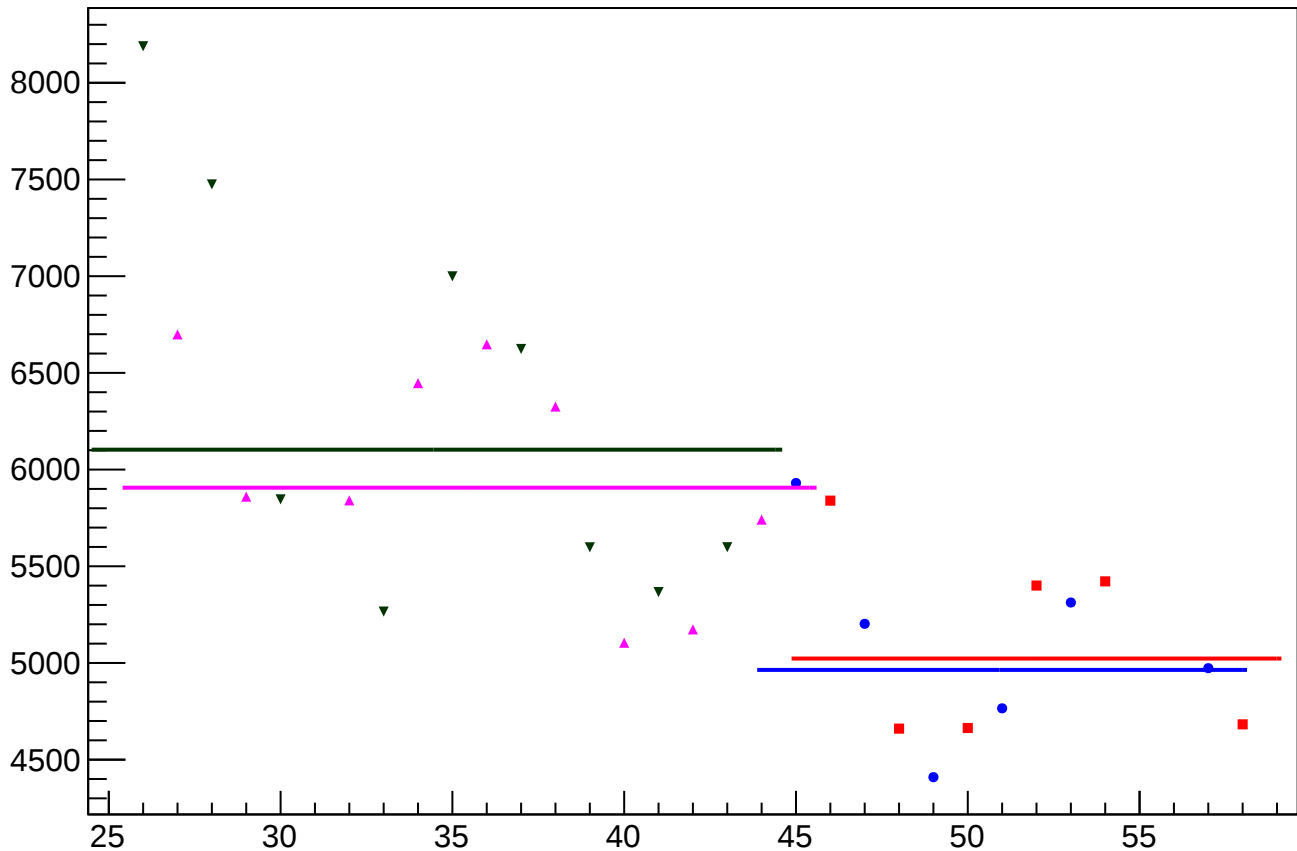
Right Out: -5679.988 $\pm$ 2915.805 χ^2 /NDF: 9.6/5

Left In: 4568.925 $\pm$ 2506.004 χ^2 /NDF: 9.8/8

1561.734 $\pm$ 2001.416 χ^2 /NDF: 10.9/14

214.720 $\pm$ 1900.527 χ^2 /NDF: 26.5/14

asym_sam_37_dd_correction_rms vs slug



Right In: 4964.150+/-2.019 χ^2/NDF : 68493.8/5

Left Out: 6102.939+/-1.985 χ^2/NDF : 201598.0/8

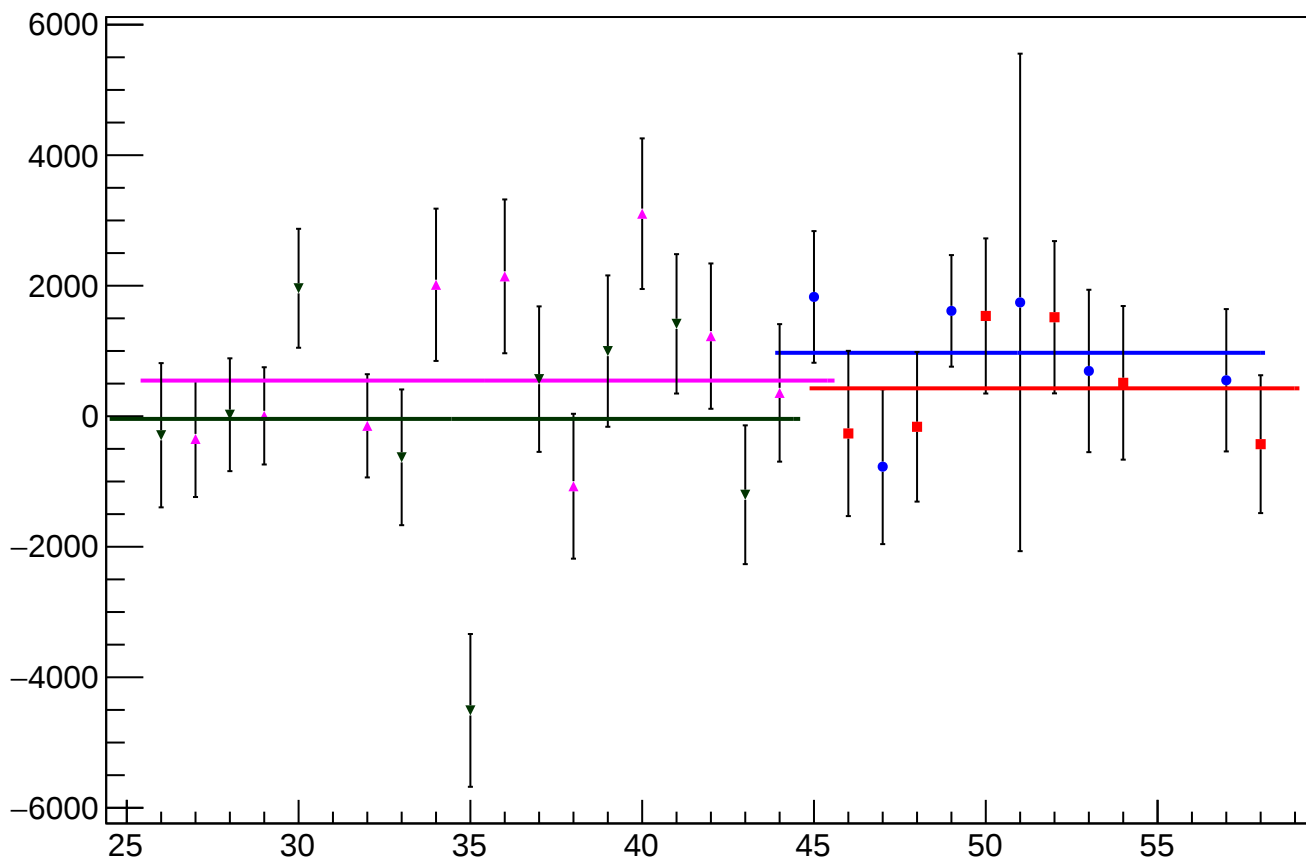
Right Out: 5022.902+/-2.062 χ^2/NDF : 44813.3/5

Left In: 5906.291+/-1.772 χ^2/NDF : 94067.8/8

5543.207+/-1.415 χ^2/NDF : 431921.0/14

5530.987+/-1.344 χ^2/NDF : 244465.6/14

reg_asym_sam_48_dd_mean vs slug



Right In: 972.077 $\pm$ 465.421 χ^2/NDF : 3.7/5

Left Out: -40.923 $\pm$ 346.578 χ^2/NDF : 23.9/8

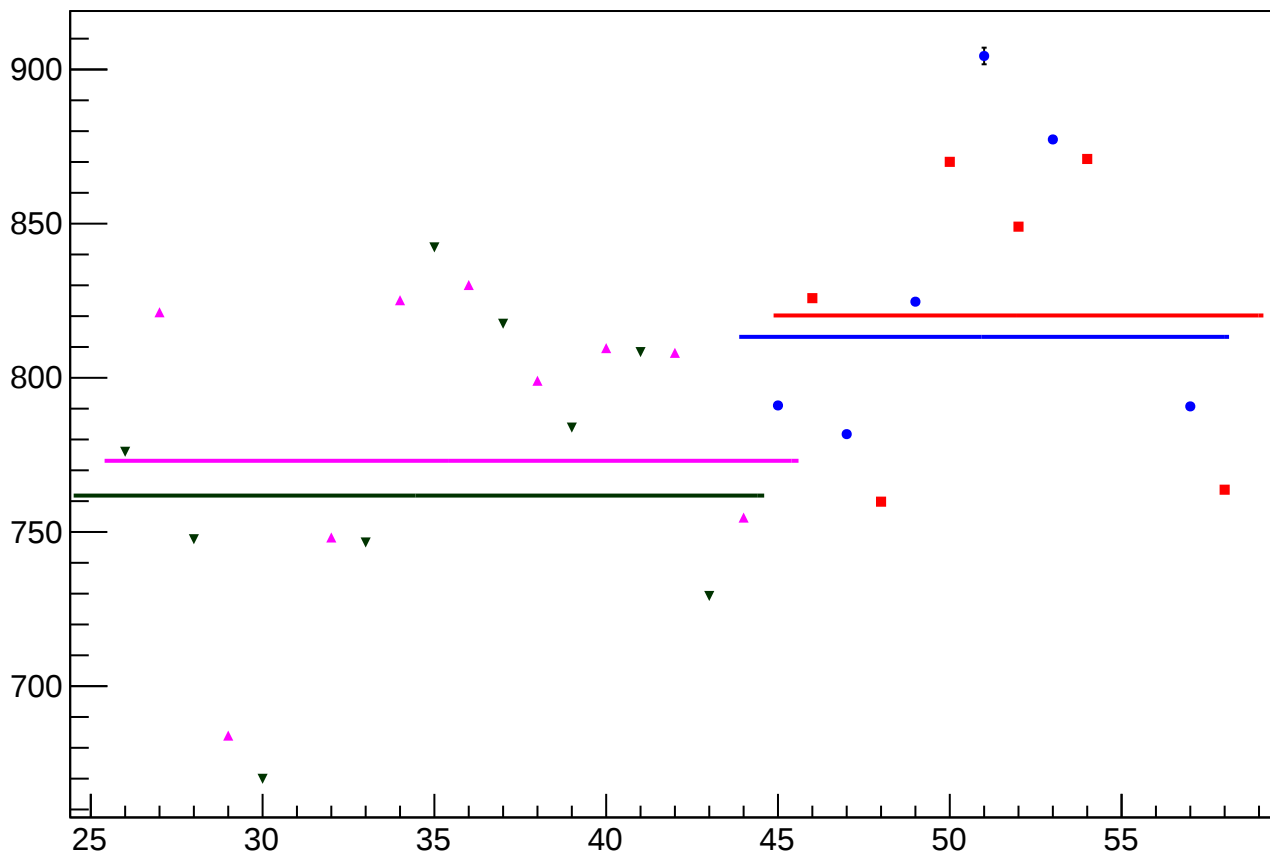
Right Out: 427.579 $\pm$ 474.290 χ^2/NDF : 3.0/5

Left In: 546.535 $\pm$ 326.373 χ^2/NDF : 13.2/8

320.424 $\pm$ 277.974 χ^2/NDF : 30.7/14

508.308 $\pm$ 268.866 χ^2/NDF : 16.2/14

reg_asym_sam_48_dd_rms vs slug



Right In: 813.285+/-0.329 χ^2/NDF : 10036.5/5

Left Out: 761.807+/-0.245 χ^2/NDF : 42466.1/8

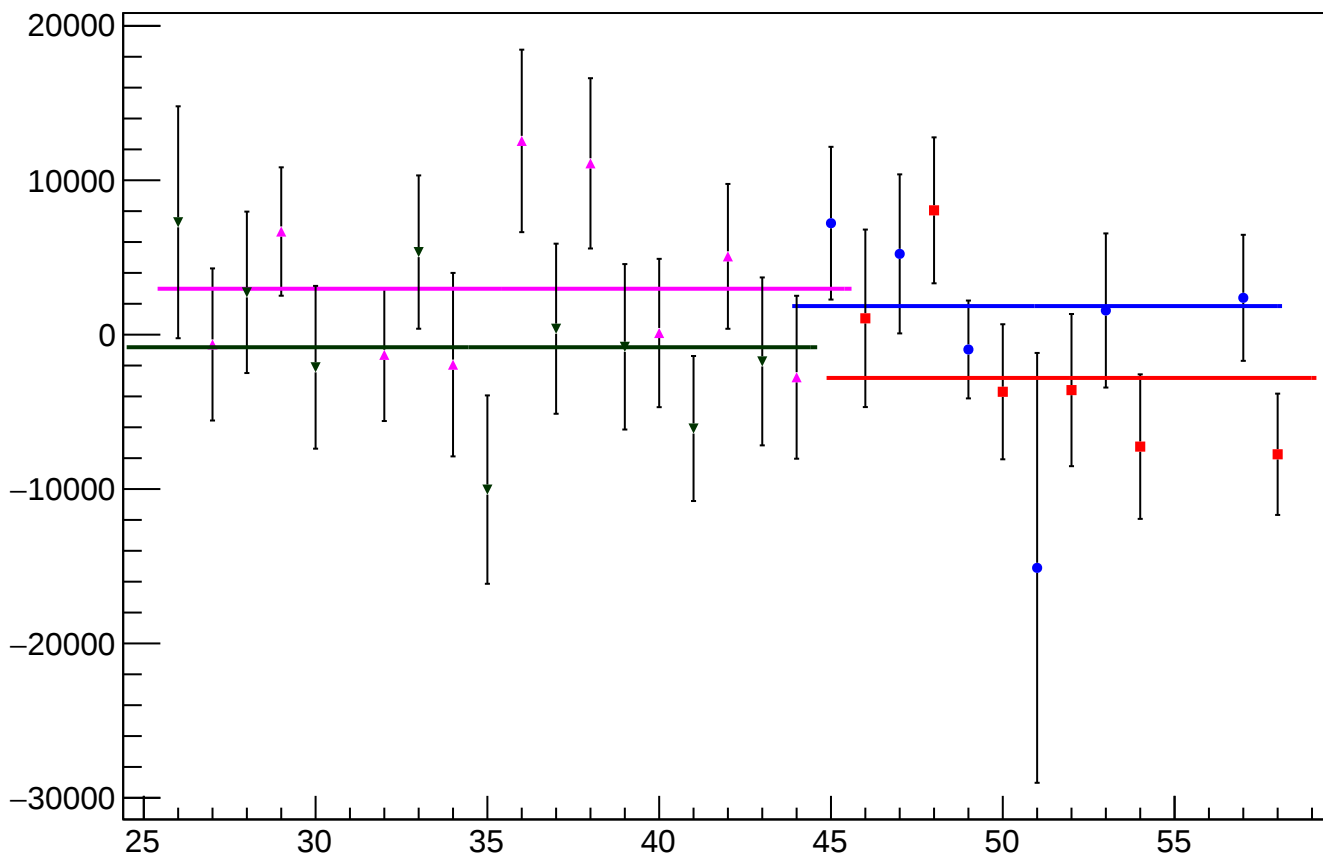
Right Out: 820.220+/-0.335 χ^2/NDF : 19765.7/5

Left In: 773.088+/-0.231 χ^2/NDF : 50809.2/8

780.169+/-0.197 χ^2/NDF : 68242.0/14

788.234+/-0.190 χ^2/NDF : 83978.2/14

asym_sam_48_dd_correction_mean vs slug



Right In: 1851.210+/-1878.202 χ^2/NDF : 3.9/5

Left Out: -814.730+/-1811.752 χ^2/NDF : 6.8/8

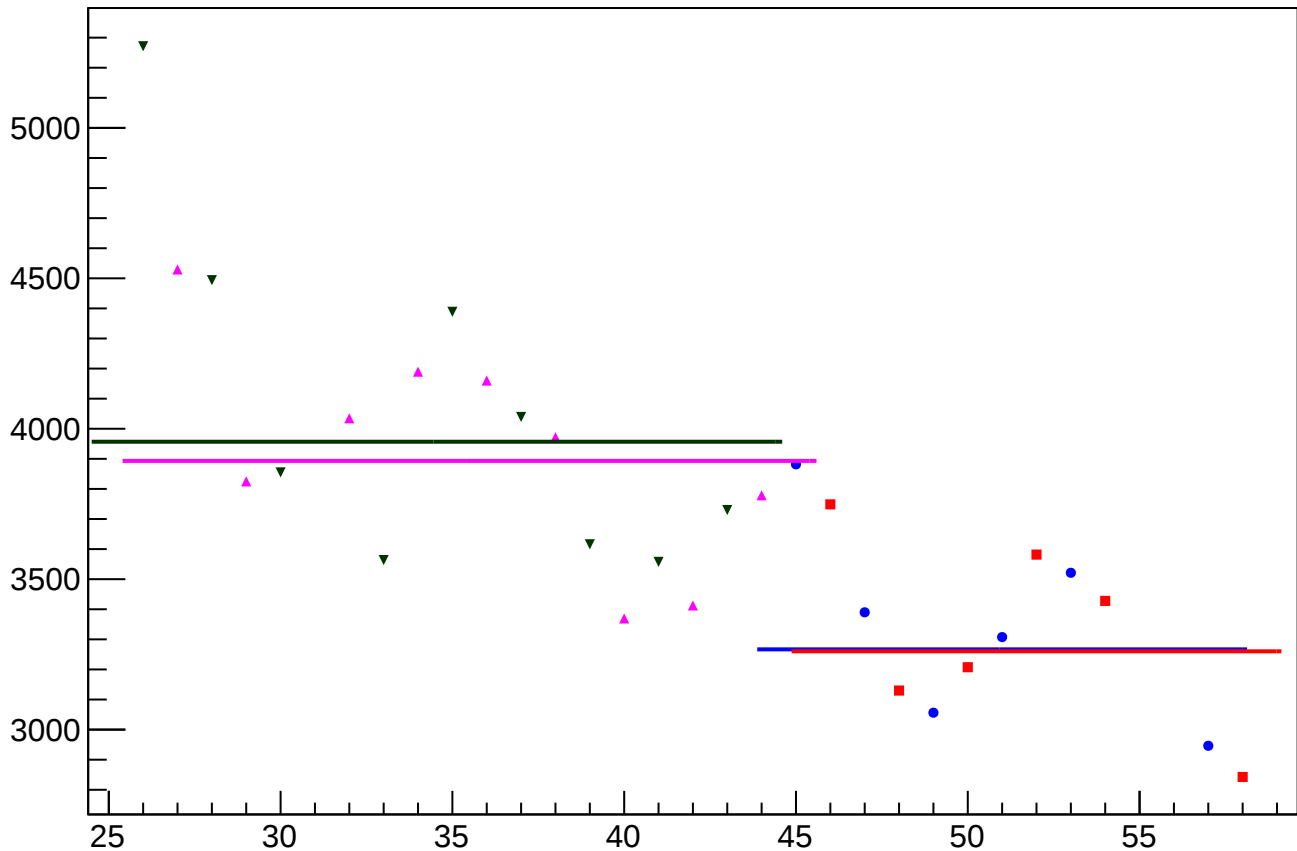
Right Out: -2803.225+/-1893.589 χ^2/NDF : 8.3/5

Left In: 2973.562+/-1648.529 χ^2/NDF : 9.5/8

470.246+/-1303.961 χ^2/NDF : 11.8/14

482.929+/-1243.361 χ^2/NDF : 23.1/14

asym_sam_48_dd_correction_rms vs slug



Right In: 3266.747+/-1.328 χ^2/NDF : 58440.0/5

Left Out: 3956.868+/-1.281 χ^2/NDF :132161.2/8

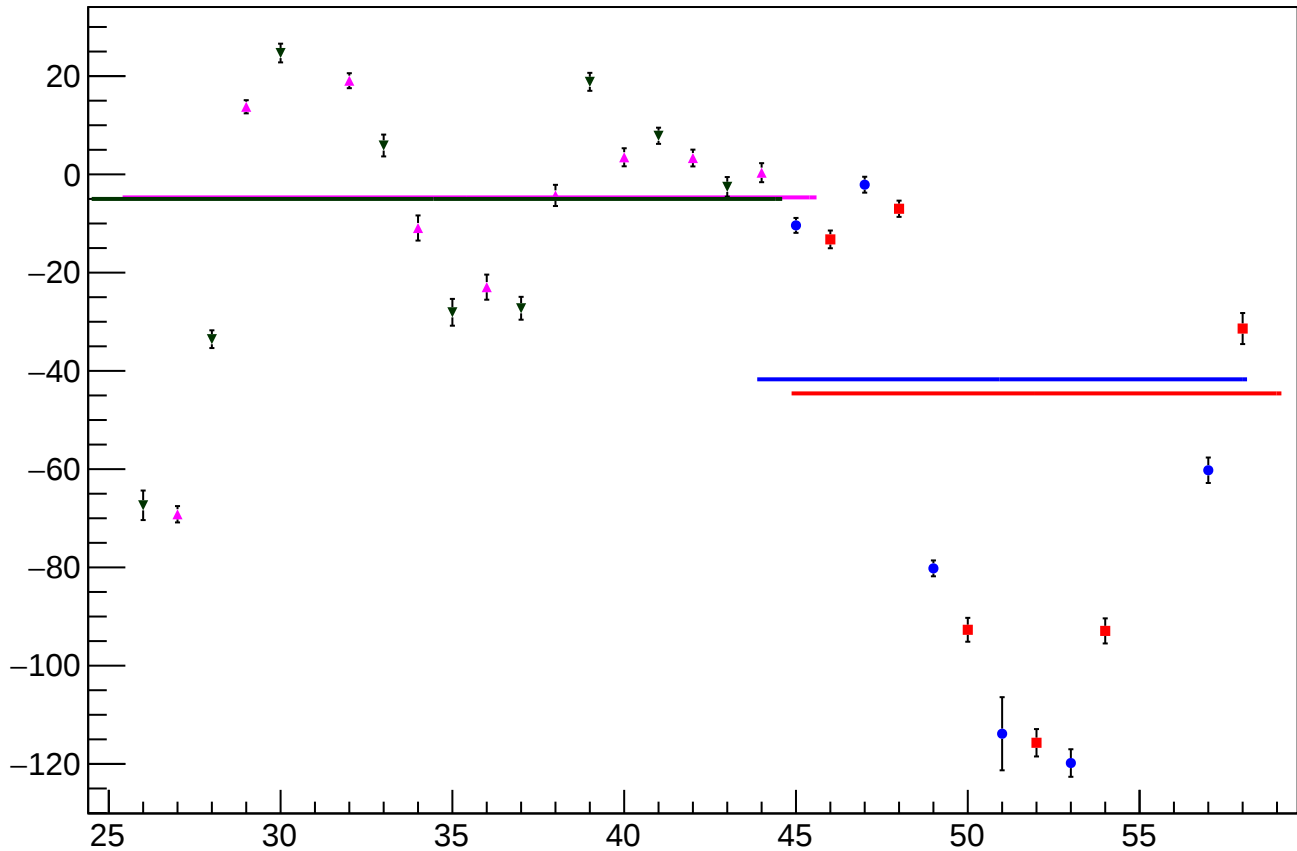
3624.232+/-0.922 χ^2/NDF : 330472.2/14

Right Out: 3260.238+/-1.339 χ^2/NDF : 49932.9/5

3620.272+/-0.879 χ^2/NDF : 268279.0/14

Left In: 3893.148+/-1.166 χ^2/NDF :91246.6/8

reg_asym_atr1_diff_bpm4aX_slope vs slug



Right In: -41.717 ± 0.818 χ^2/NDF : 2513.7/5

Left Out: -4.999 ± 0.684 χ^2/NDF : 1343.0/8

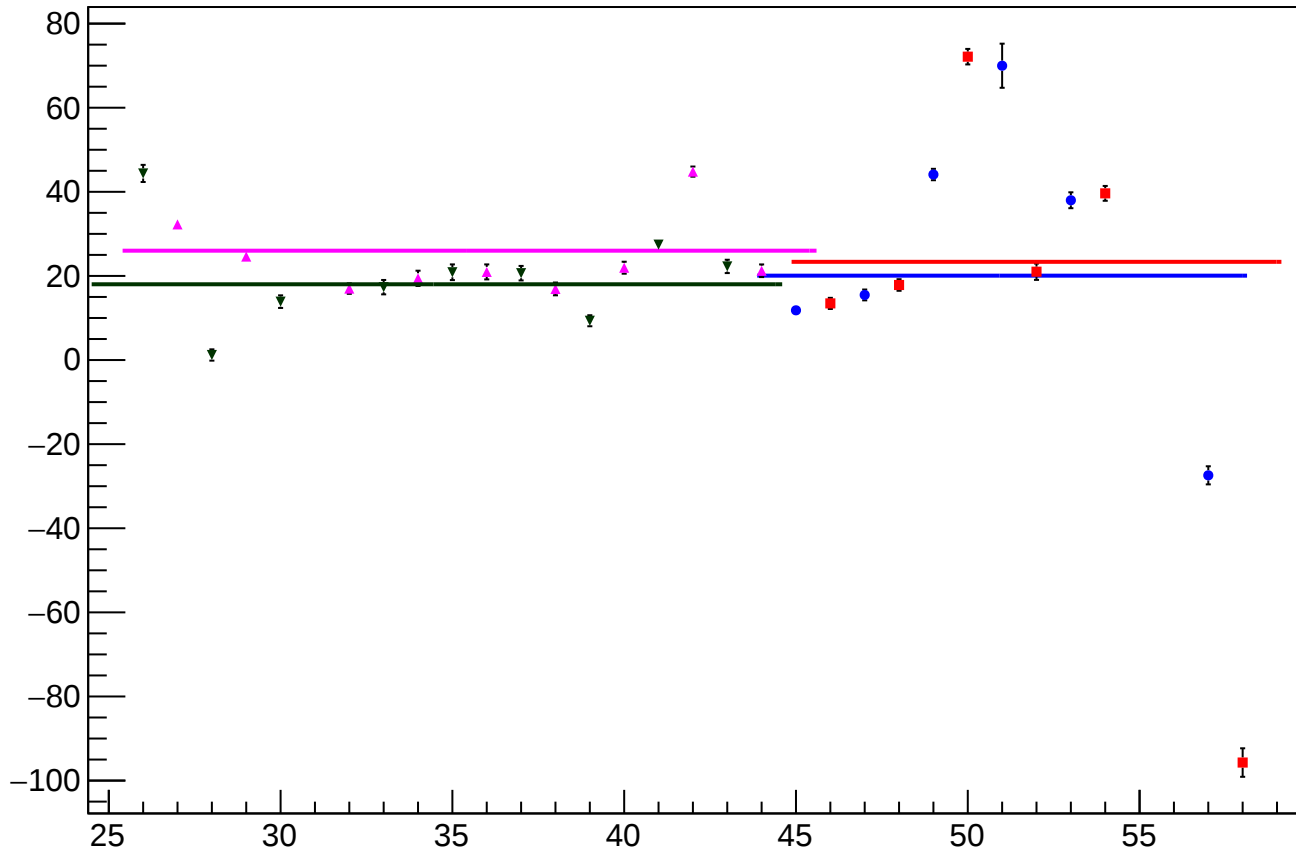
Right Out: -44.584 ± 0.904 χ^2/NDF : 2237.6/5

Left In: -4.688 ± 0.600 χ^2/NDF : 2042.2/8

-20.115 ± 0.525 χ^2/NDF : 5041.5/14

-16.904 ± 0.500 χ^2/NDF : 5632.4/14

reg_asym_atr1_diff_bpm4aY_slope vs slug



Right In: 20.065 $\pm$ 0.630 χ^2/NDF : 1050.9/5

Left Out: 18.015 $\pm$ 0.507 χ^2/NDF : 450.4/8

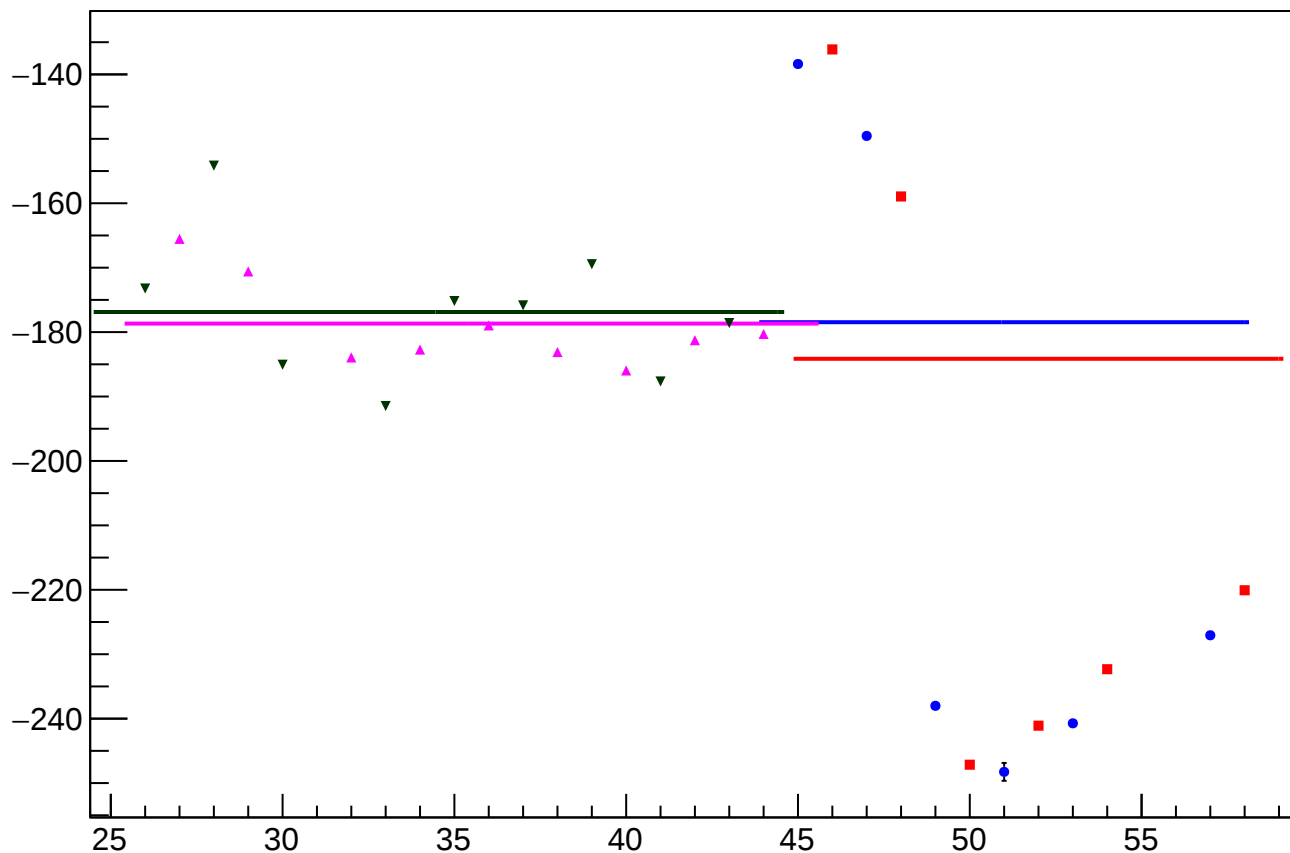
Right Out: 23.354 $\pm$ 0.696 χ^2/NDF : 2091.7/5

Left In: 26.003 $\pm$ 0.437 χ^2/NDF : 409.3/8

18.820 $\pm$ 0.395 χ^2/NDF : 1507.8/14

25.254 $\pm$ 0.370 χ^2/NDF : 2511.4/14

reg_asym_atr1_diff_bpm4eX_slope vs slug



Right In: -178.463+/-0.143 χ^2/NDF : 101096.5/5

Left Out: -176.881+/-0.115 χ^2/NDF : 9699.1/8

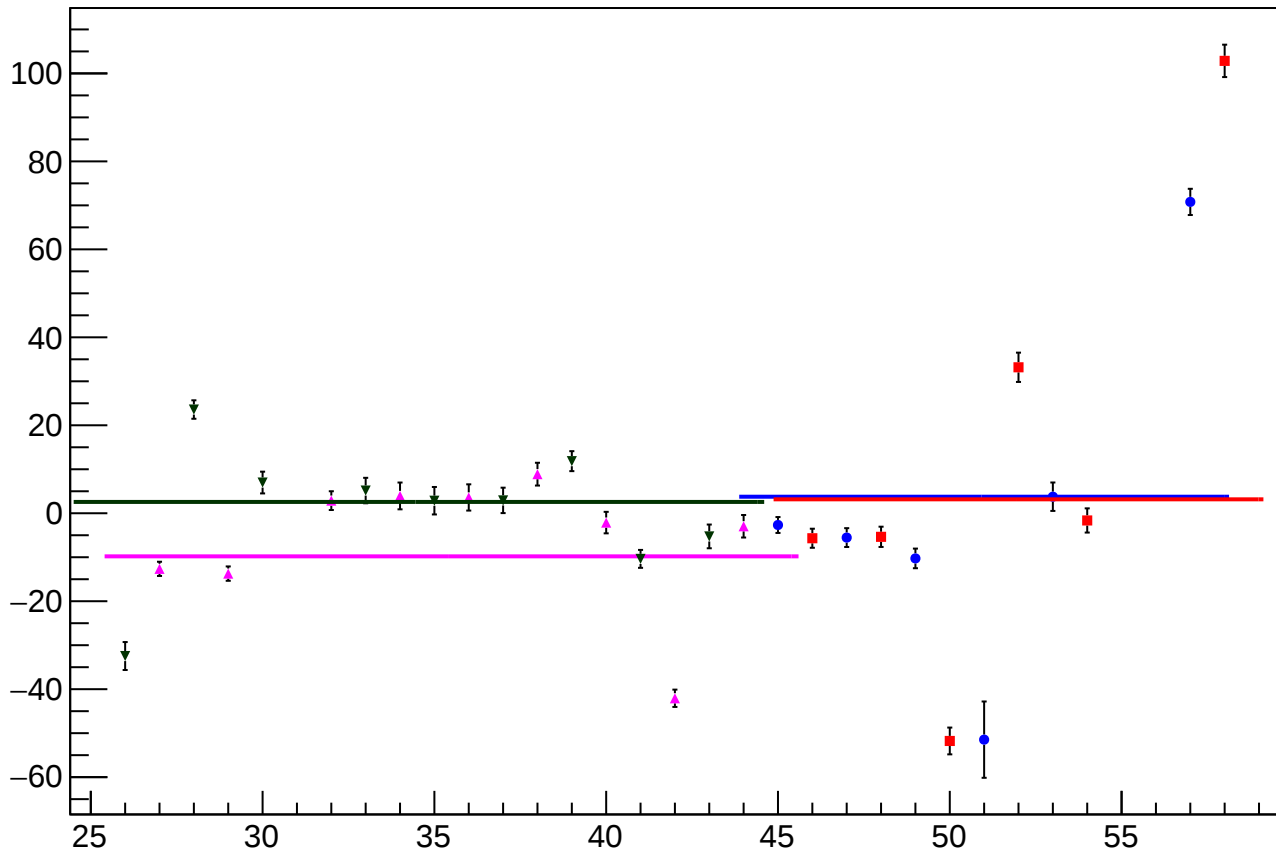
Right Out: -184.140+/-0.152 χ^2/NDF : 88405.5/5

Left In: -178.678+/-0.104 χ^2/NDF : 4273.5/8

-177.504+/-0.089 χ^2/NDF : 110870.2/14

-180.405+/-0.086 χ^2/NDF : 93557.7/14

reg_asym_atr1_diff_bpm4eY_slope vs slug



Right In: 3.760 $\pm$ 1.028 χ^2 /NDF: 617.6/5

Left Out: 2.574 $\pm$ 0.844 χ^2 /NDF: 291.3/8

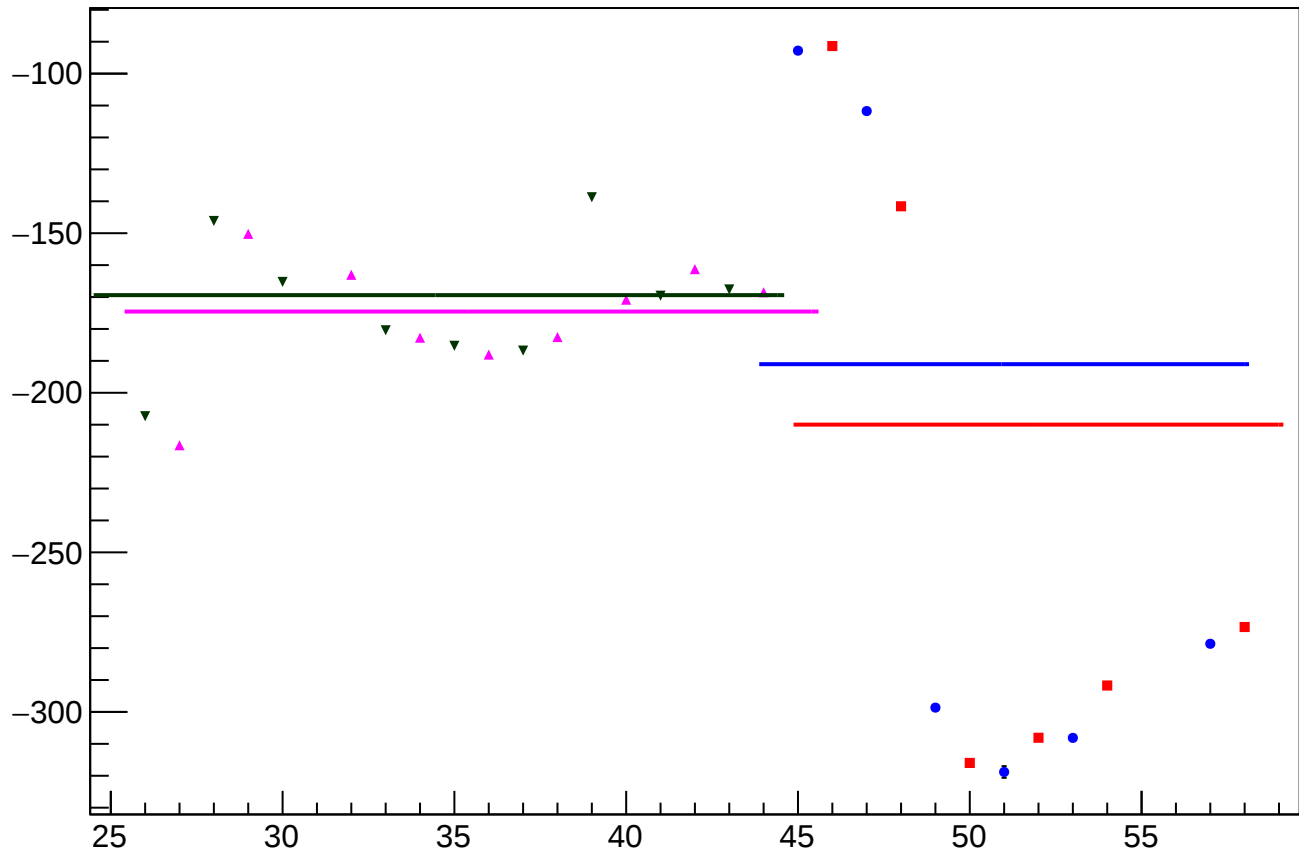
Right Out: 3.165 $\pm$ 1.114 χ^2 /NDF: 1172.3/5

Left In: -9.798 $\pm$ 0.721 χ^2 /NDF: 422.2/8

3.052 $\pm$ 0.652 χ^2 /NDF: 909.7/14

-5.975 $\pm$ 0.605 χ^2 /NDF: 1690.0/14

reg_asym_atr1_diff_bpm11X_slope vs slug



Right In: -191.038 ± 0.200 χ^2/NDF : 240032.6/5

Left Out: -169.406 ± 0.155 χ^2/NDF : 16565.2/8

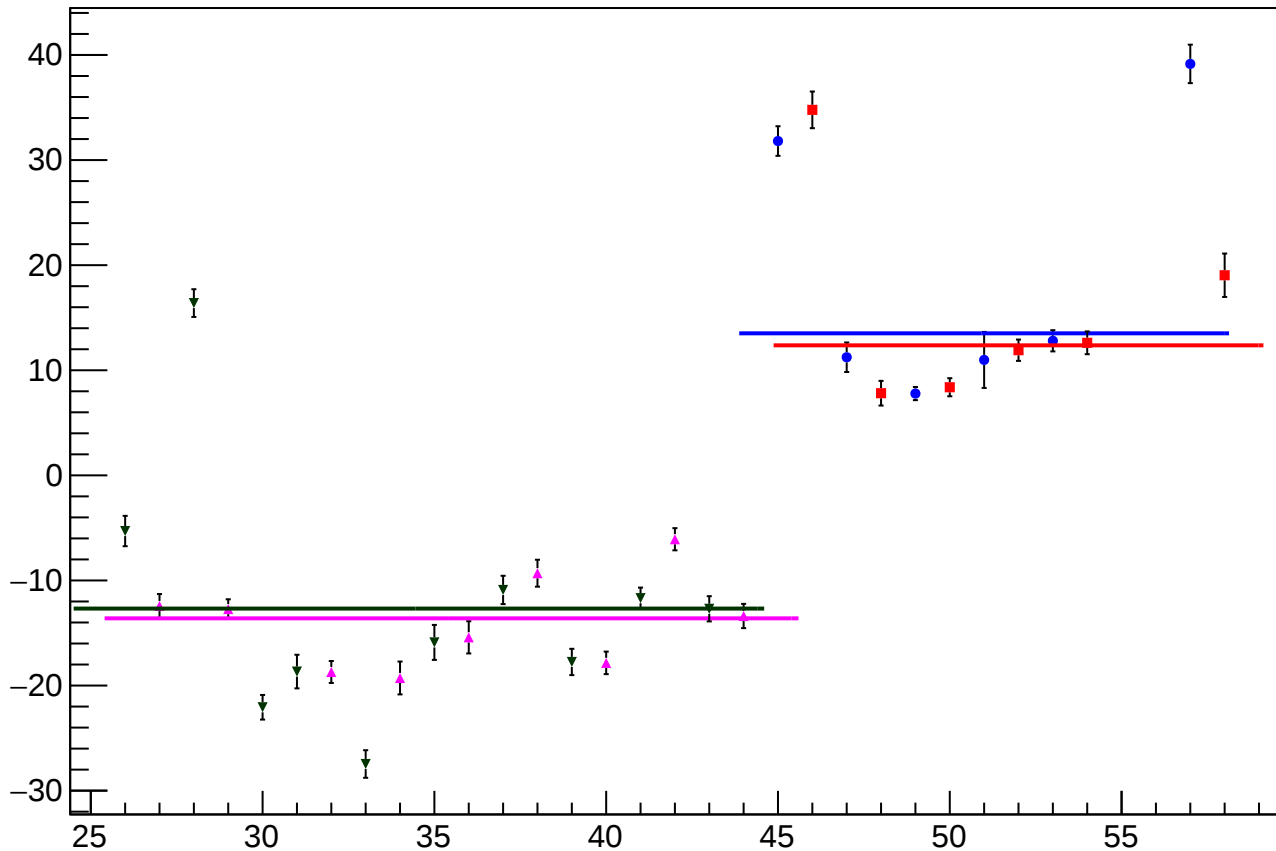
Right Out: -177.535 ± 0.123 χ^2/NDF : 263891.8/14

Left In: -174.554 ± 0.152 χ^2/NDF : 17338.0/8

-177.535 ± 0.123 χ^2/NDF : 263891.8/14

-186.484 ± 0.124 χ^2/NDF : 231441.6/14

reg_asym_atl1_diff_bpm4aX_slope vs slug



Right In: 13.514+/-0.447 χ^2/NDF : 453.3/5

-0.774+/-0.302 χ^2/NDF : 3061.7/15

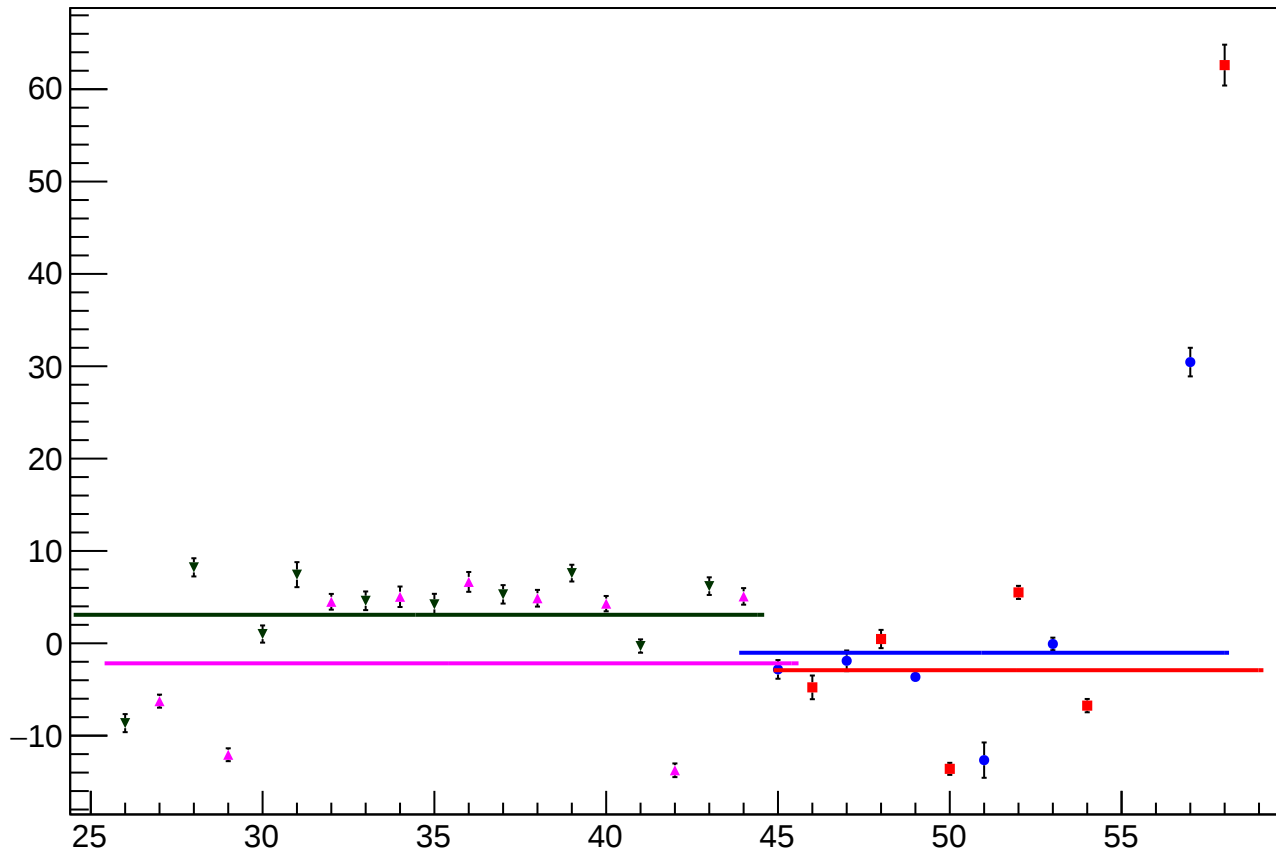
Left Out: -12.675+/-0.408 χ^2/NDF : 739.7/9

Right Out: 12.372+/-0.473 χ^2/NDF : 212.2/5

-3.316+/-0.298 χ^2/NDF : 2148.2/14

Left In: -13.605+/-0.383 χ^2/NDF : 118.1/8

reg_asym_atl1_diff_bpm4aY_slope vs slug



Right In: -1.024 ± 0.348 χ^2/NDF : 480.9/5

Left Out: 3.086 ± 0.305 χ^2/NDF : 251.9/9

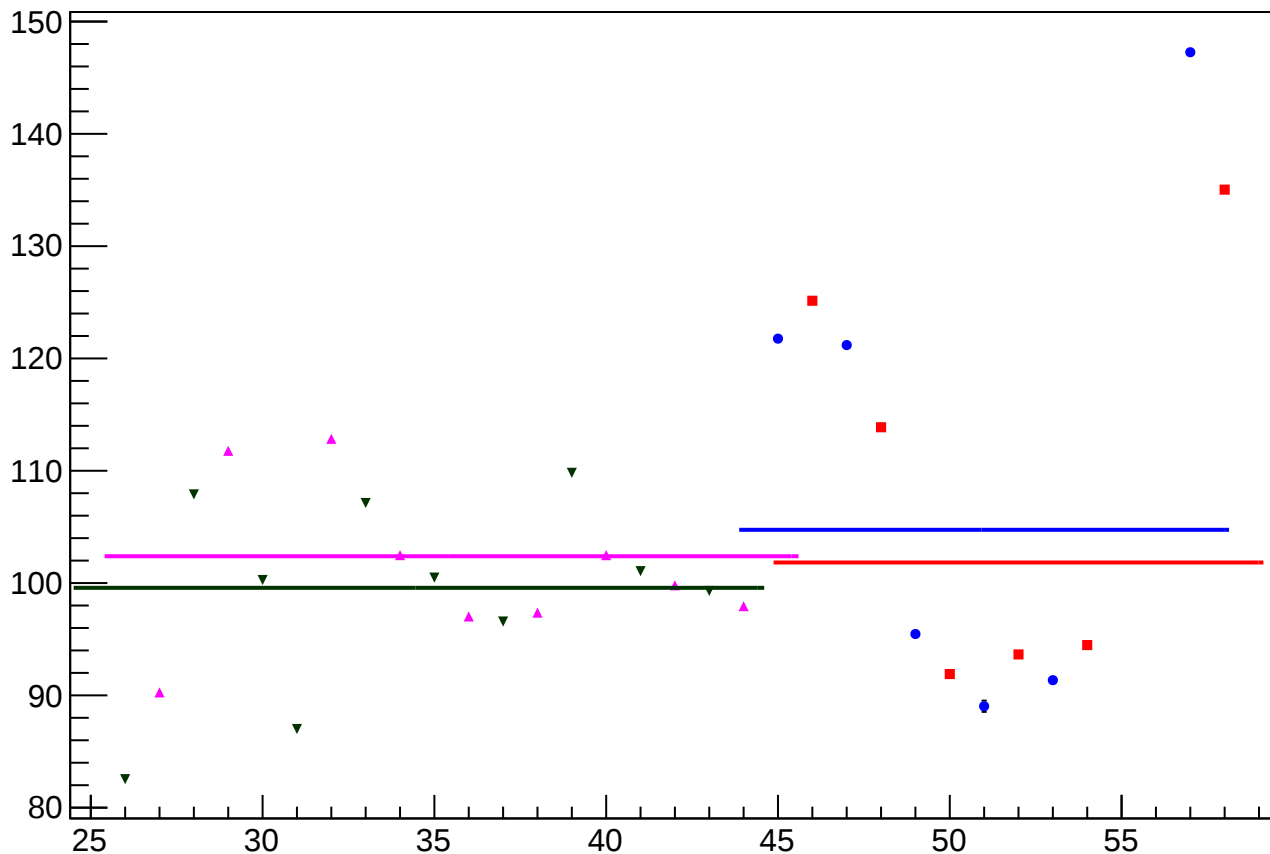
Right Out: -2.913 ± 0.351 χ^2/NDF : 1328.6/5

Left In: -2.169 ± 0.279 χ^2/NDF : 836.6/8

1.301 ± 0.229 χ^2/NDF : 811.8/15

-2.457 ± 0.218 χ^2/NDF : 2167.9/14

reg_asym_atl1_diff_bpm4eX_slope vs slug



Right In: 104.743+/-0.083 χ^2/NDF : 40501.6/5

Left Out: 99.576+/-0.067 χ^2/NDF :14210.5/9

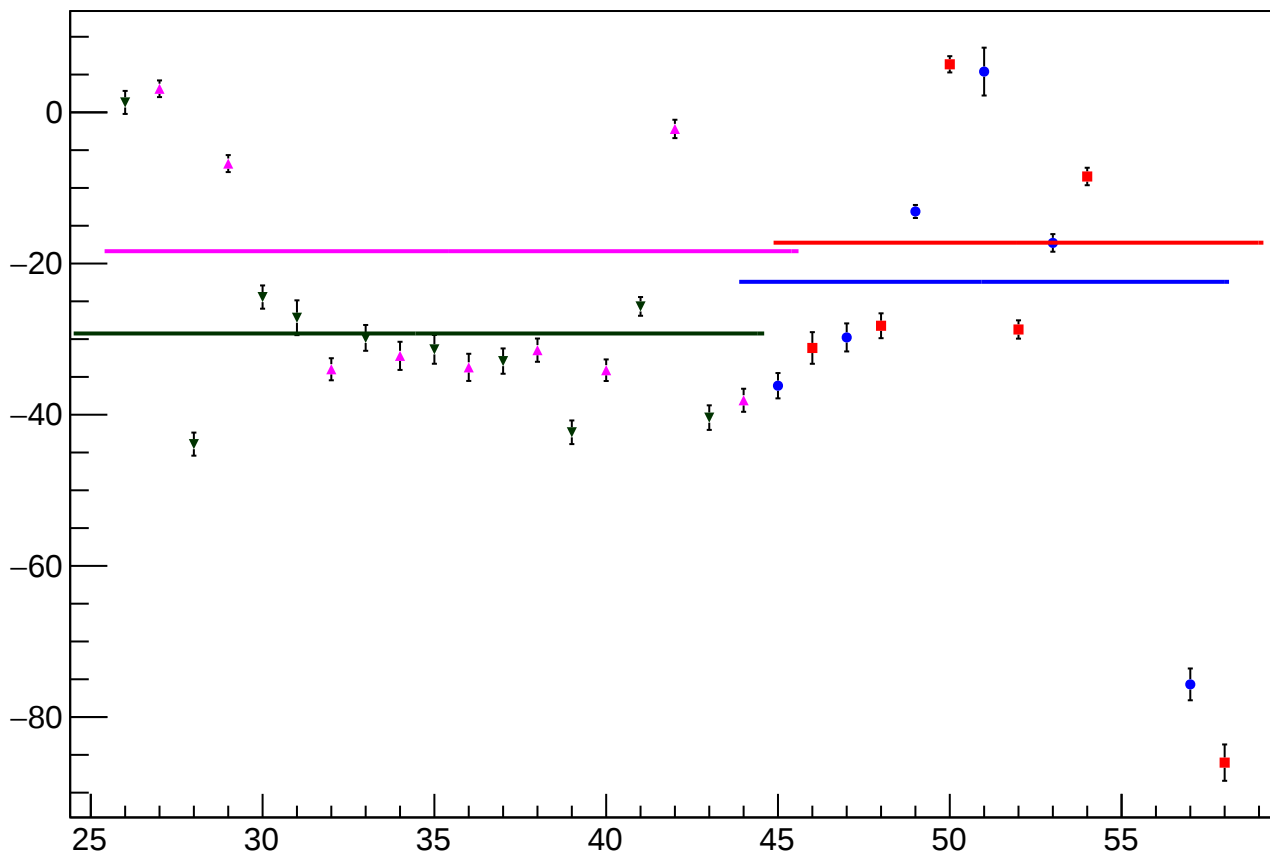
Right Out: 101.831+/-0.083 χ^2/NDF : 27460.8/5

Left In: 102.389+/-0.066 χ^2/NDF :12190.9/8

101.611+/-0.052 χ^2/NDF : 57055.1/15

102.173+/-0.052 χ^2/NDF : 39679.4/14

reg_asym_atl1_diff_bpm4eY_slope vs slug



Right In: -22.419 ± 0.572 χ^2/NDF : 937.0/5

Left Out: -29.254 ± 0.507 χ^2/NDF : 636.3/9

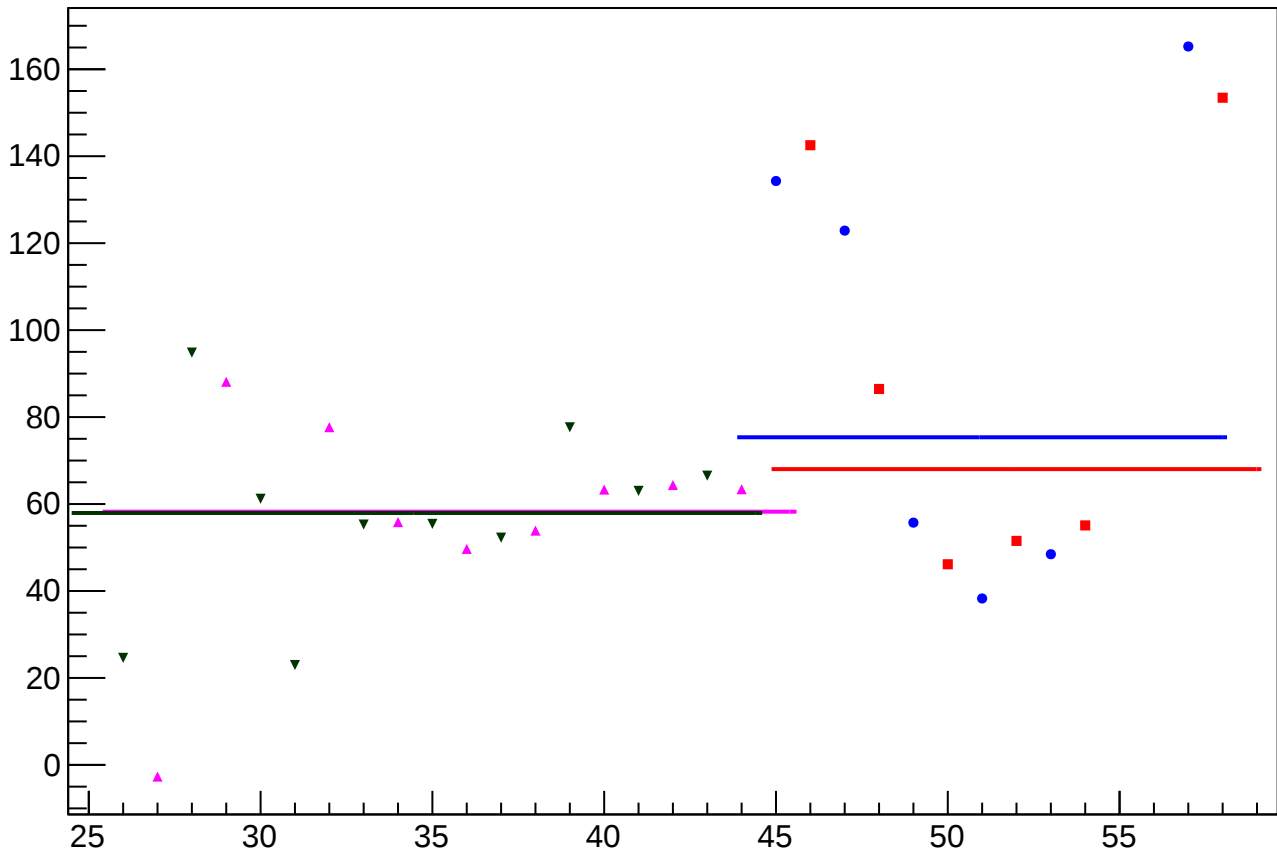
Right Out: -17.242 ± 0.571 χ^2/NDF : 1535.8/5

Left In: -18.368 ± 0.461 χ^2/NDF : 1267.3/8

-26.247 ± 0.380 χ^2/NDF : 1653.2/15

-17.924 ± 0.359 χ^2/NDF : 2805.4/14

reg_asym_atl1_diff_bpm11X_slope vs slug



Right In: 75.355+/-0.109 χ^2/NDF : 128759.2/5

Left Out: 57.944+/-0.092 χ^2/NDF : 48321.4/9

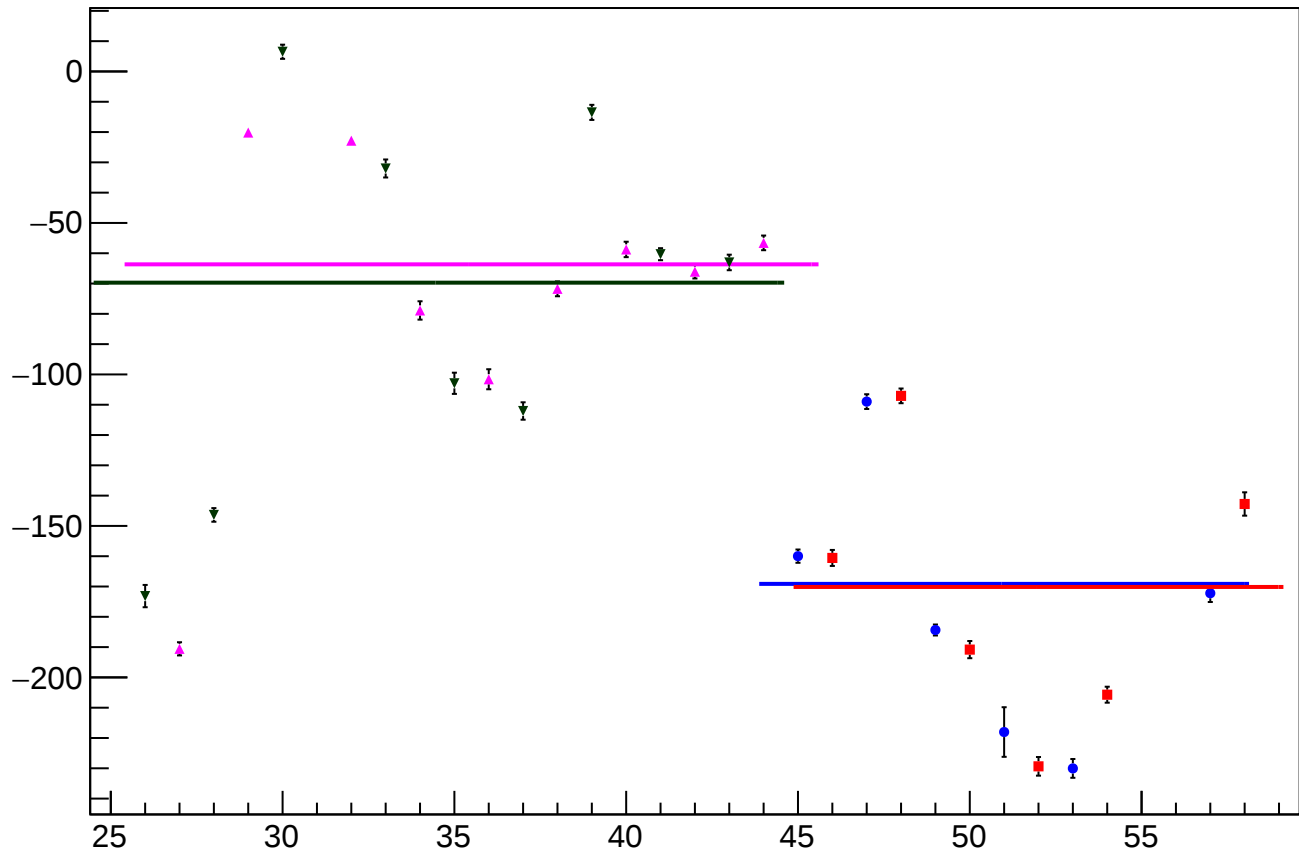
Right Out: 68.030+/-0.107 χ^2/NDF : 98773.8/5

Left In: 58.243+/-0.096 χ^2/NDF : 65783.5/8

65.181+/-0.070 χ^2/NDF : 192008.8/15

62.614+/-0.071 χ^2/NDF : 169216.9/14

reg_asym_atr2_diff_bpm4aX_slope vs slug



Right In: -169.130+/-1.043 χ^2/NDF : 1121.5/5

Left Out: -69.710+/-0.865 χ^2/NDF : 4019.0/8

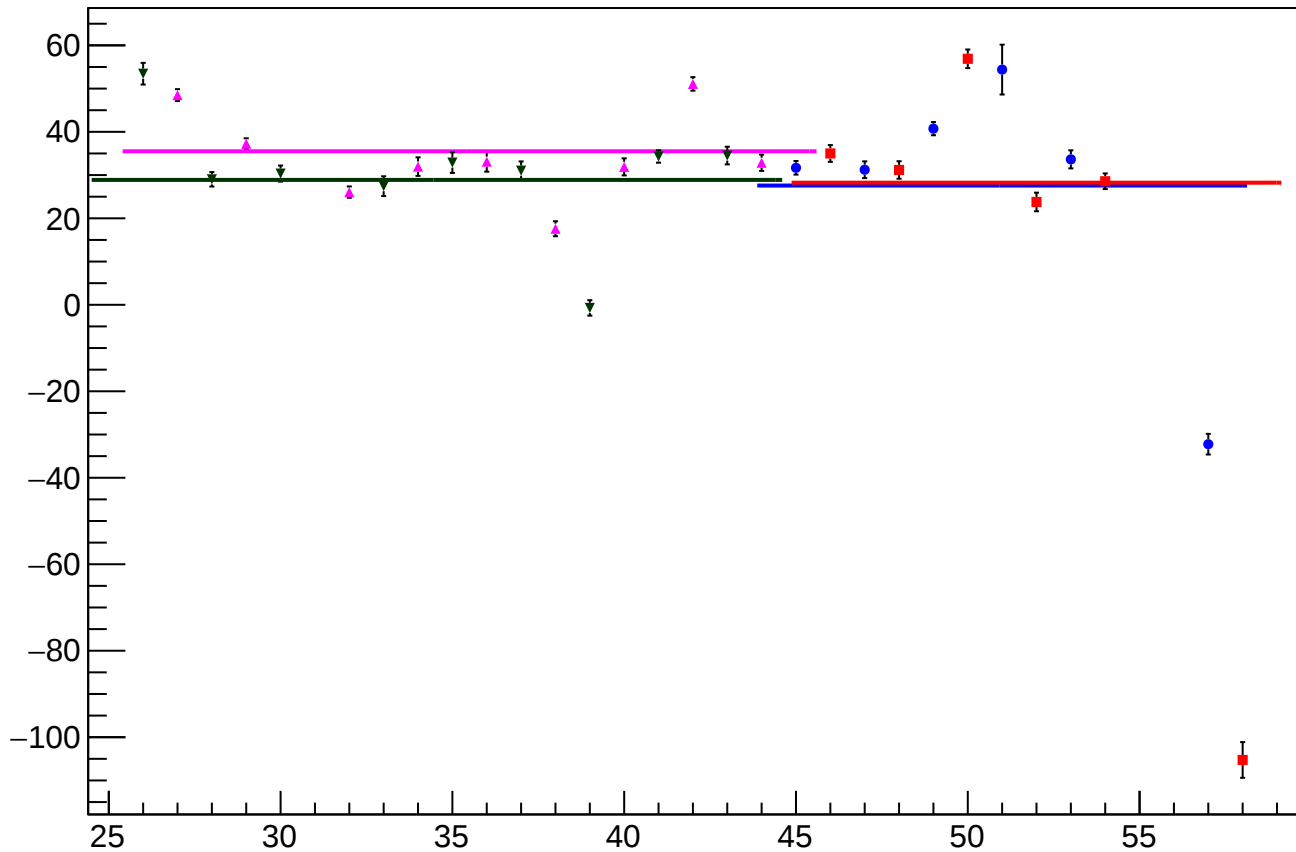
Right Out: -170.147+/-1.151 χ^2/NDF : 1345.6/5

Left In: -63.663+/-0.734 χ^2/NDF : 4921.5/8

-110.221+/-0.666 χ^2/NDF : 10525.8/14

-94.428+/-0.619 χ^2/NDF : 12351.6/14

reg_asym_atr2_diff_bpm4aY_slope vs slug



Right In: 27.579+/-0.807 χ^2 /NDF: 742.2/5

Left Out: 28.884+/-0.641 χ^2 /NDF:396.4/8

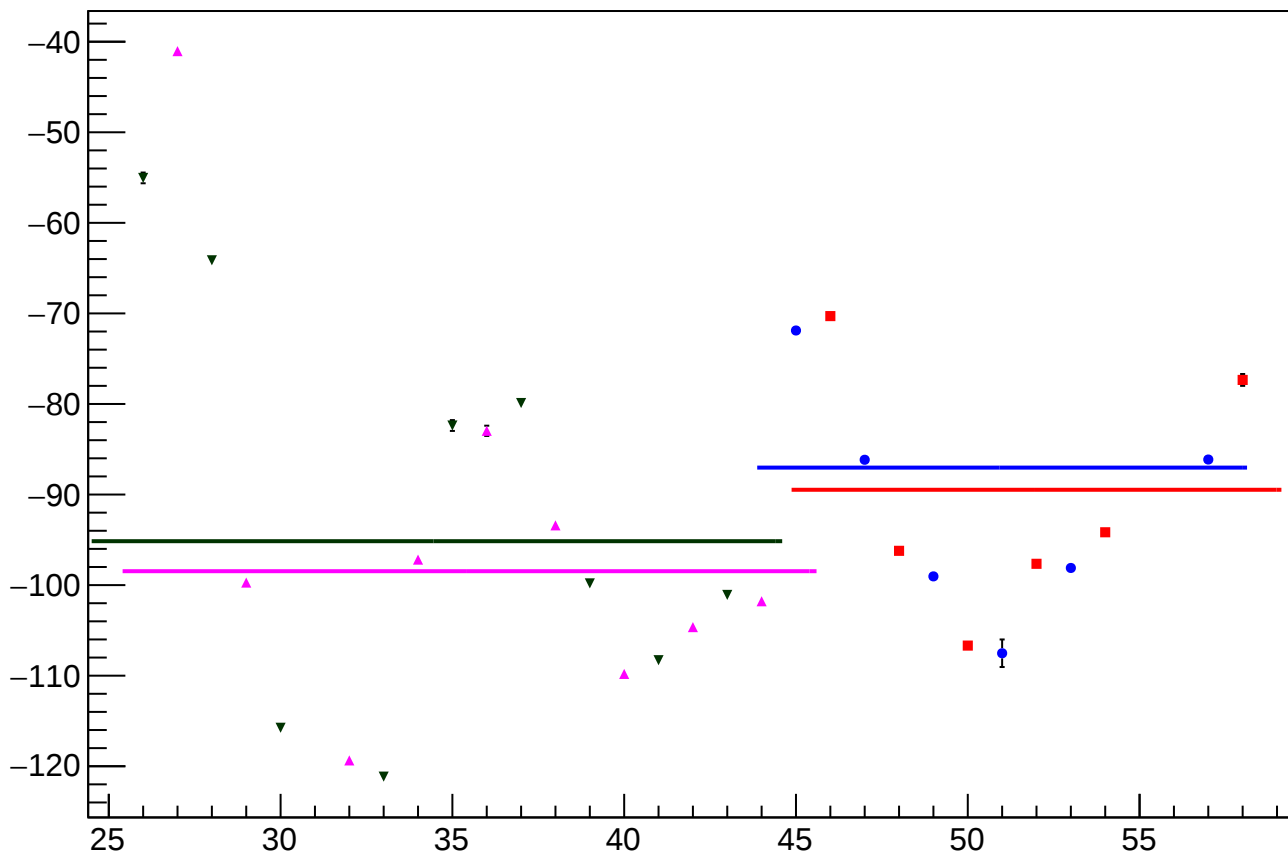
Right Out: 28.244+/-0.875 χ^2 /NDF: 1242.7/5

Left In: 35.499+/-0.540 χ^2 /NDF:358.9/8

28.379+/-0.502 χ^2 /NDF: 1140.1/14

33.499+/-0.459 χ^2 /NDF: 1651.4/14

reg_asym_atr2_diff_bpm4eX_slope vs slug



Right In: -87.025 ± 0.185 χ^2/NDF : 3526.7/5

Left Out: -95.151 ± 0.144 χ^2/NDF : 20300.2/8

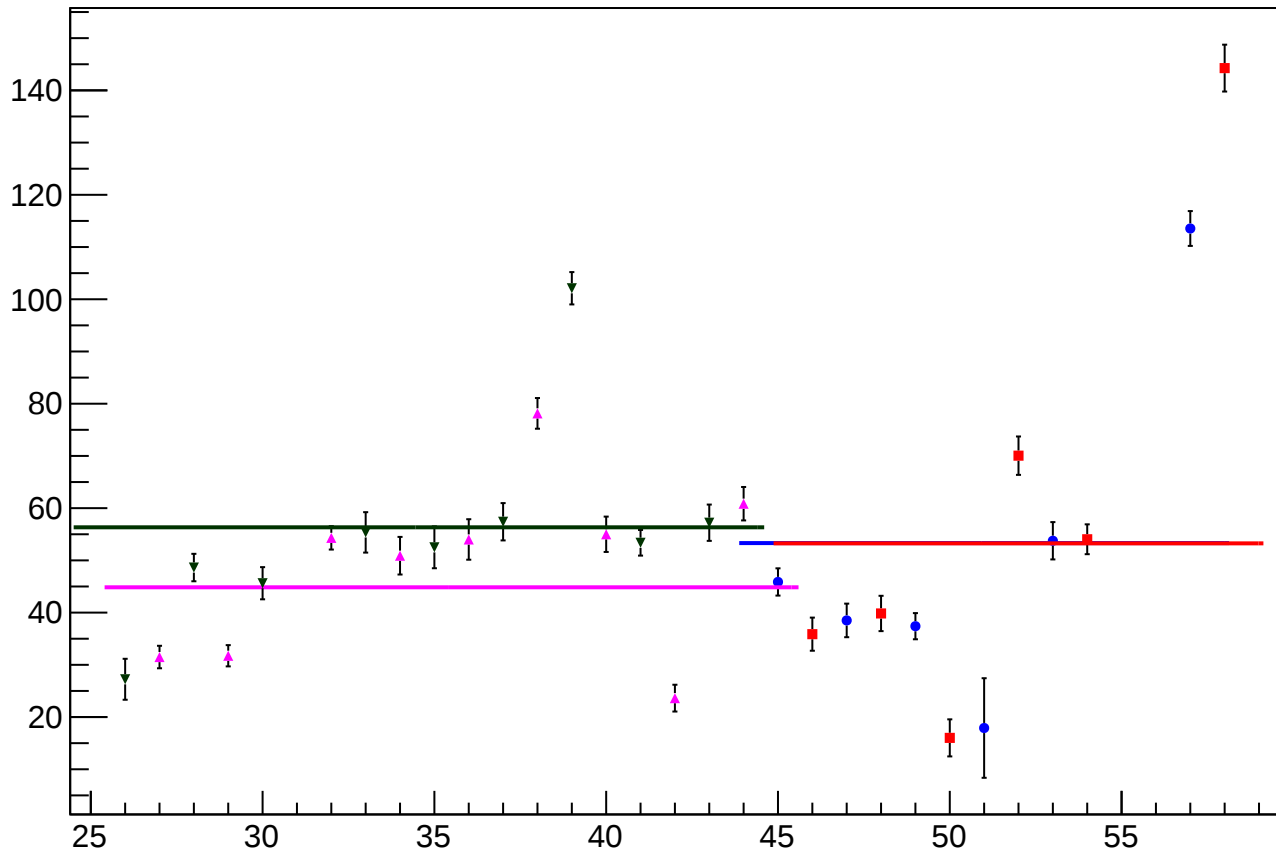
Right Out: -89.474 ± 0.194 χ^2/NDF : 4261.8/5

Left In: -98.464 ± 0.125 χ^2/NDF : 31724.1/8

-92.086 ± 0.114 χ^2/NDF : 25024.2/14

-95.845 ± 0.105 χ^2/NDF : 37503.2/14

reg_asym_atr2_diff_bpm4eY_slope vs slug



Right In: 53.312 $\pm$ 1.311 χ^2 /NDF: 409.6/5

Left Out: 56.333 $\pm$ 1.069 χ^2 /NDF:296.9/8

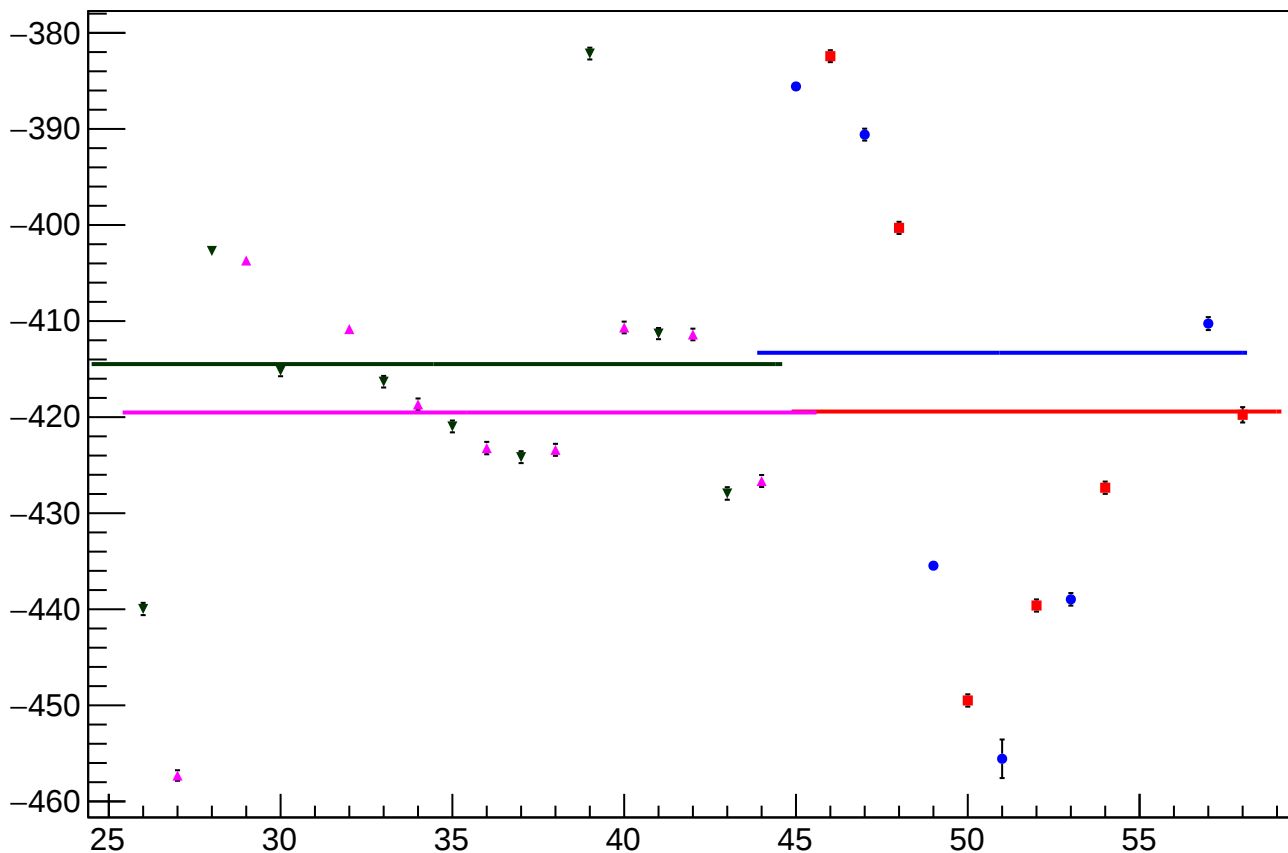
Right Out: 53.259 $\pm$ 1.397 χ^2 /NDF: 588.1/5

Left In: 44.845 $\pm$ 0.893 χ^2 /NDF:337.0/8

55.126 $\pm$ 0.828 χ^2 /NDF: 709.8/14

47.287 $\pm$ 0.753 χ^2 /NDF: 950.9/14

reg_asym_atr2_diff_bpm11X_slope vs slug



Right In: -413.298 ± 0.255 χ^2/NDF : 8299.5/5

Left Out: -414.478 ± 0.199 χ^2/NDF : 5731.0/8

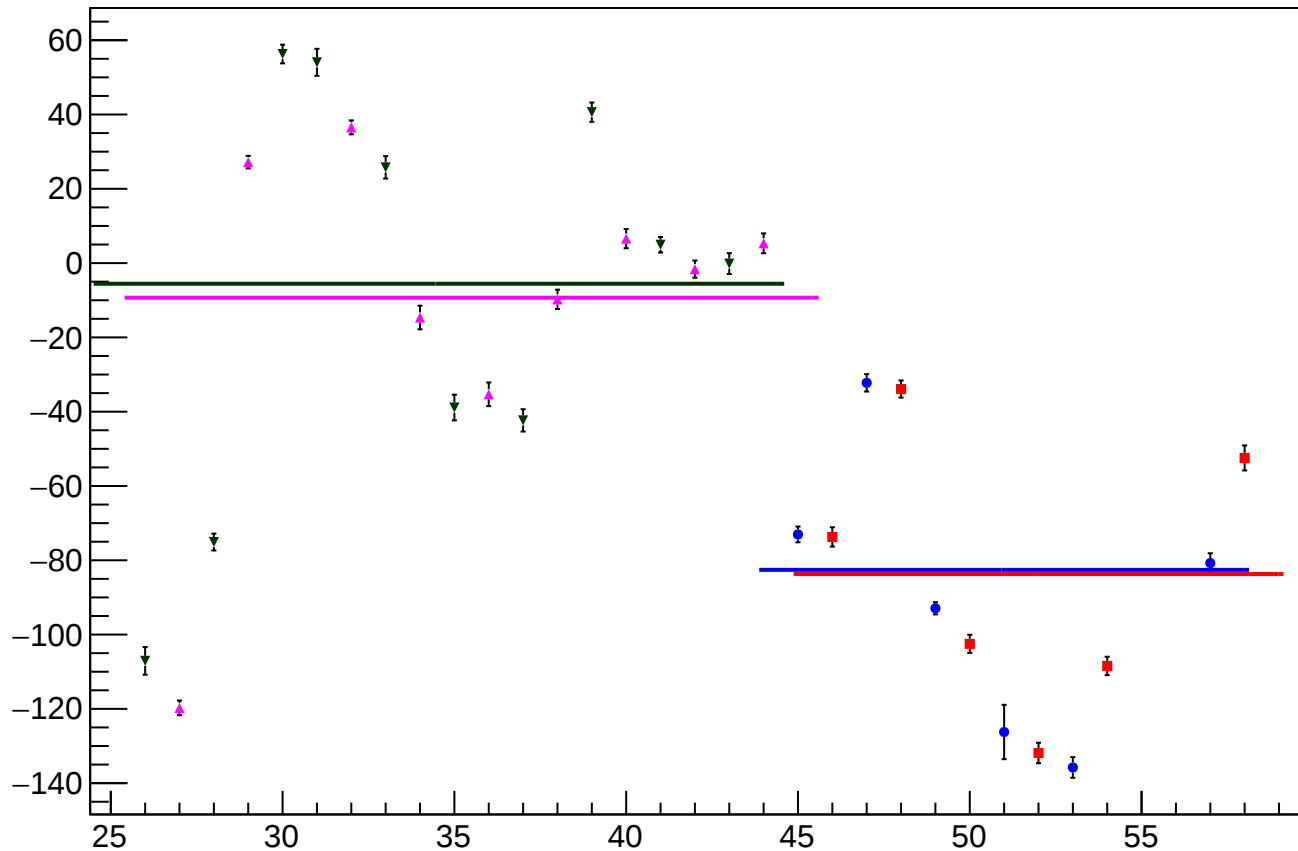
Right Out: -419.417 ± 0.268 χ^2/NDF : 7793.5/5

Left In: -419.518 ± 0.188 χ^2/NDF : 6841.3/8

-414.031 ± 0.157 χ^2/NDF : 14043.8/14

-419.484 ± 0.154 χ^2/NDF : 14634.9/14

reg_asym_atl2_diff_bpm4aX_slope vs slug



Right In: -82.571 ± 0.967 $\chi^2/\text{NDF}: 922.3/5$

Left Out: -5.557 ± 0.874 $\chi^2/\text{NDF}: 3249.1/9$

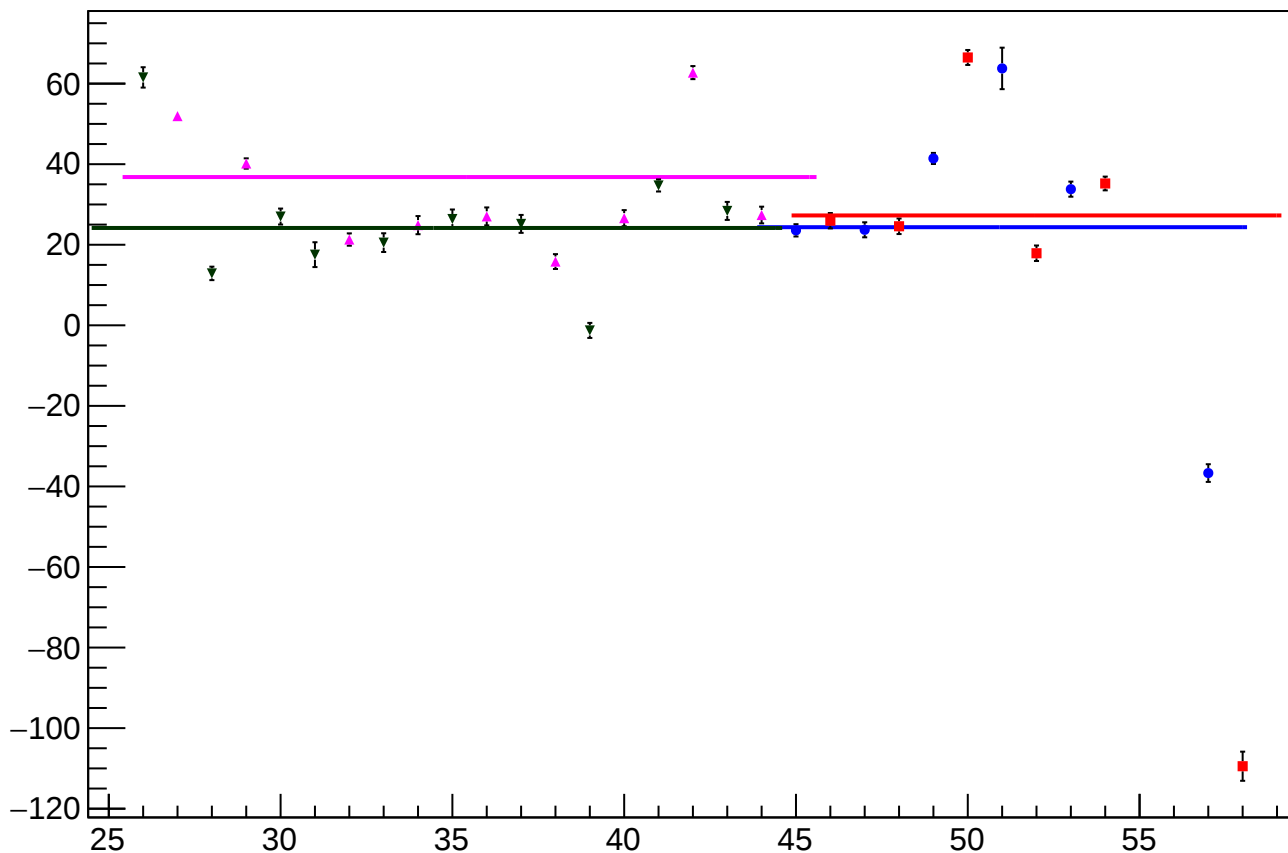
-40.162 ± 0.648 $\chi^2/\text{NDF}: 7661.6/15$

Right Out: -83.699 ± 1.064 $\chi^2/\text{NDF}: 1027.1/5$

-34.663 ± 0.621 $\chi^2/\text{NDF}: 8583.7/14$

Left In: -9.304 ± 0.765 $\chi^2/\text{NDF}: 4334.5/8$

reg_asym_atl2_diff_bpm4aY_slope vs slug



Right In: 24.359 $\pm$ 0.751 χ^2 /NDF: 1011.5/5

Left Out: 24.167 $\pm$ 0.649 χ^2 /NDF: 512.5/9

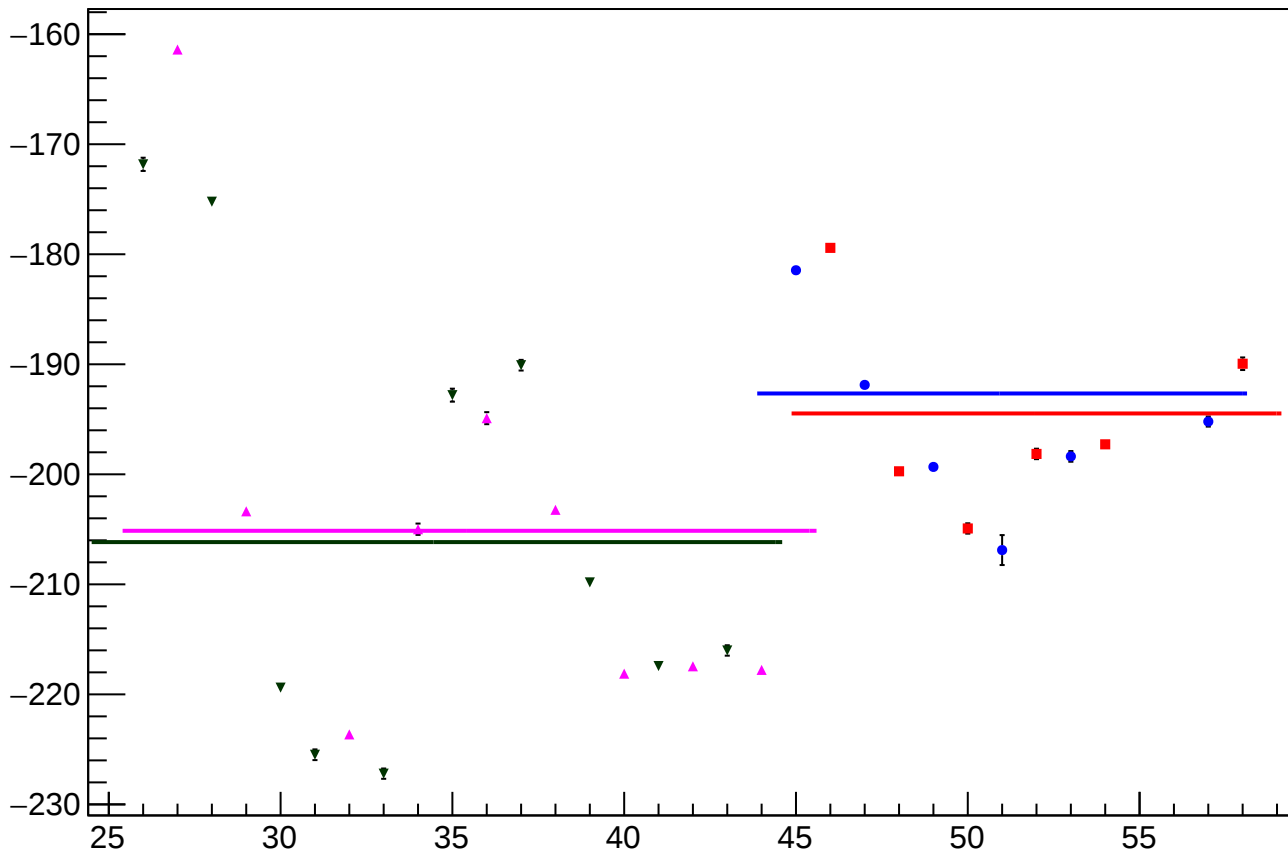
Right Out: 27.275 $\pm$ 0.811 χ^2 /NDF: 1920.8/5

Left In: 36.806 $\pm$ 0.555 χ^2 /NDF: 738.7/8

24.249 $\pm$ 0.491 χ^2 /NDF: 1524.1/15

33.769 $\pm$ 0.458 χ^2 /NDF: 2753.5/14

reg_asym_atl2_diff_bpm4eX_slope vs slug



Right In: -192.653+/-0.173 χ^2/NDF : 1770.3/5

Left Out: -206.161+/-0.144 χ^2/NDF : 16990.9/9

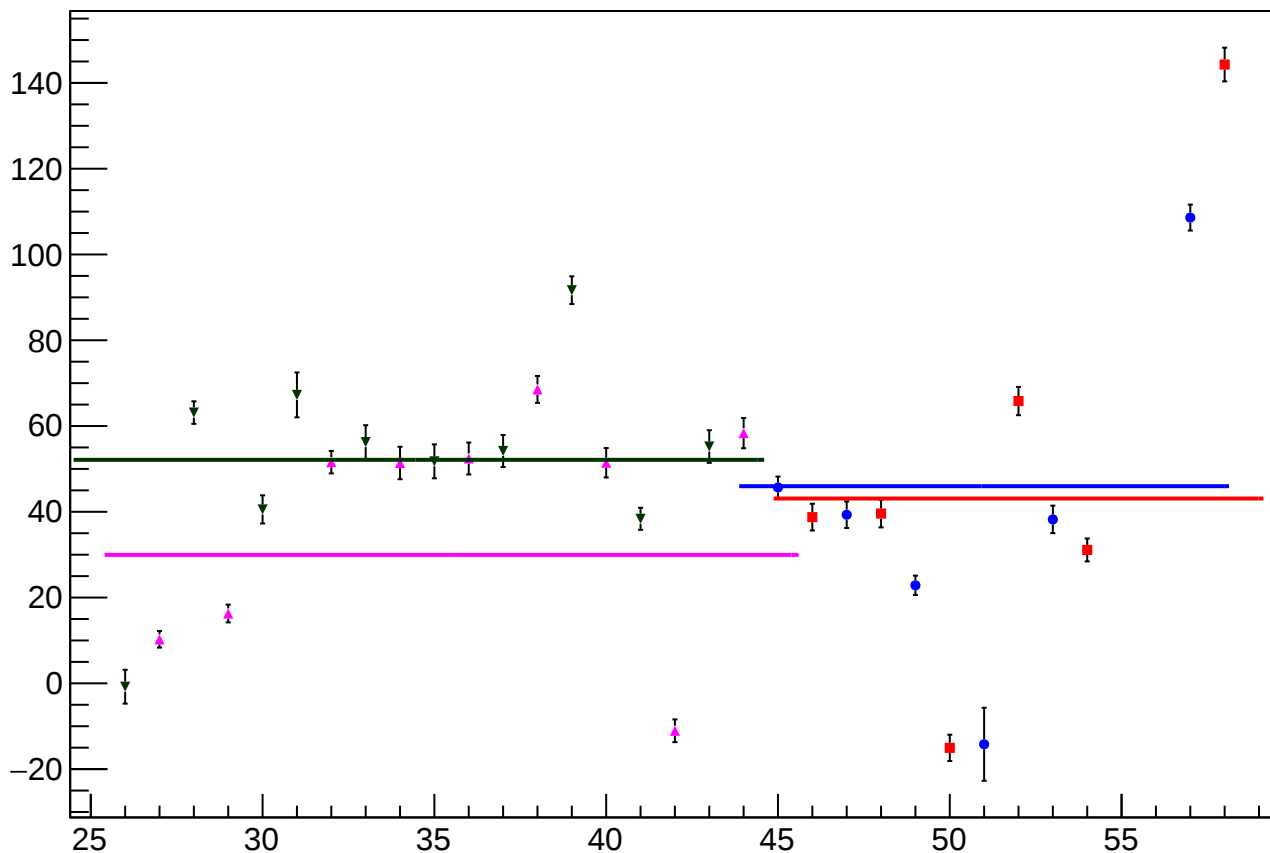
Right Out: -194.469+/-0.181 χ^2/NDF : 2287.2/5

Left In: -205.134+/-0.132 χ^2/NDF : 22564.1/8

-200.615+/-0.111 χ^2/NDF : 22363.0/15

-201.459+/-0.107 χ^2/NDF : 27115.2/14

reg_asym_atl2_diff_bpm4eY_slope vs slug



Right In: 45.969+/-1.216 χ^2 /NDF: 592.7/5

Left Out: 52.118+/-1.081 χ^2 /NDF:398.5/9

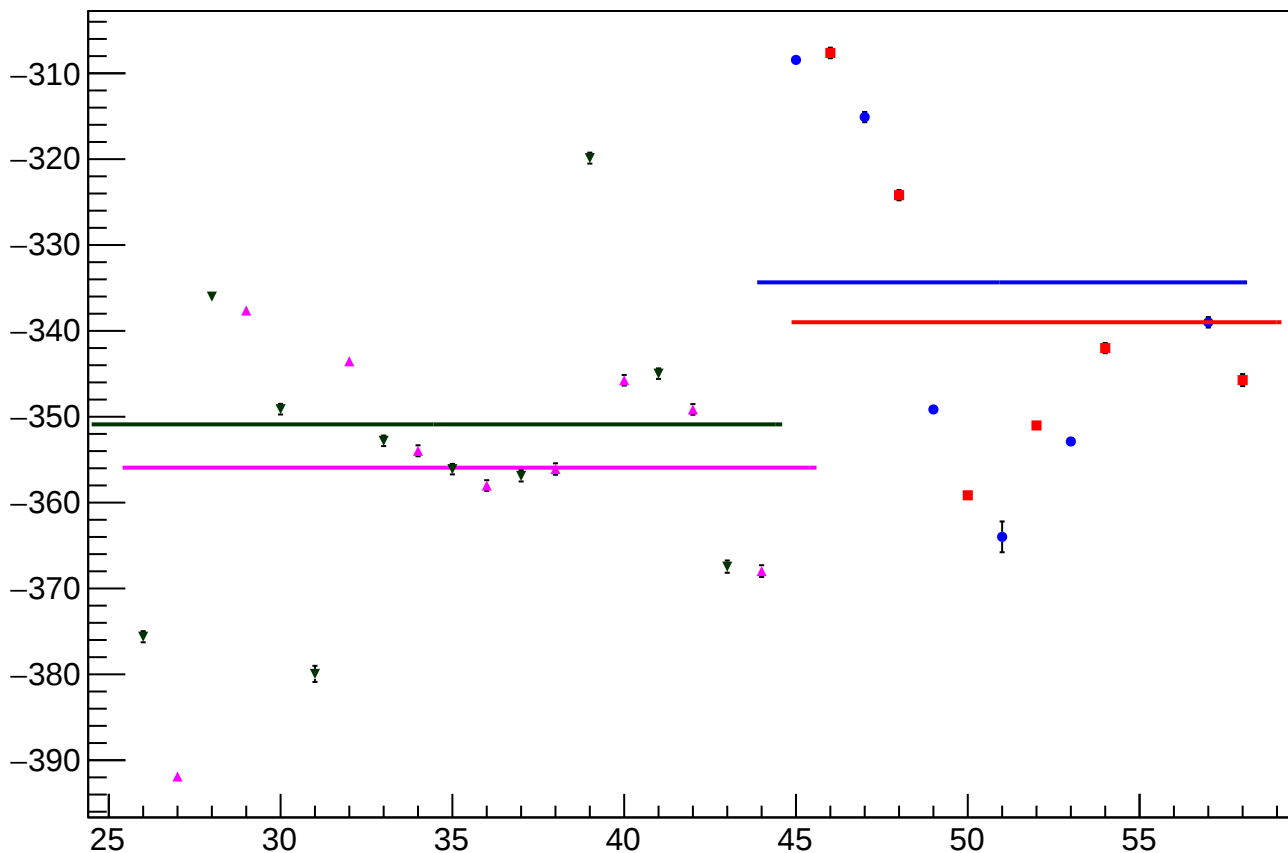
Right Out: 43.094+/-1.289 χ^2 /NDF: 1091.6/5

Left In: 29.956+/-0.913 χ^2 /NDF:779.4/8

49.402+/-0.808 χ^2 /NDF: 1005.6/15

34.348+/-0.745 χ^2 /NDF: 1940.1/14

reg_asym_atl2_diff_bpm11X_slope vs slug



Right In: -334.349 ± 0.236 χ^2/NDF : 6161.7/5

Left Out: -350.887 ± 0.200 χ^2/NDF : 6484.7/9

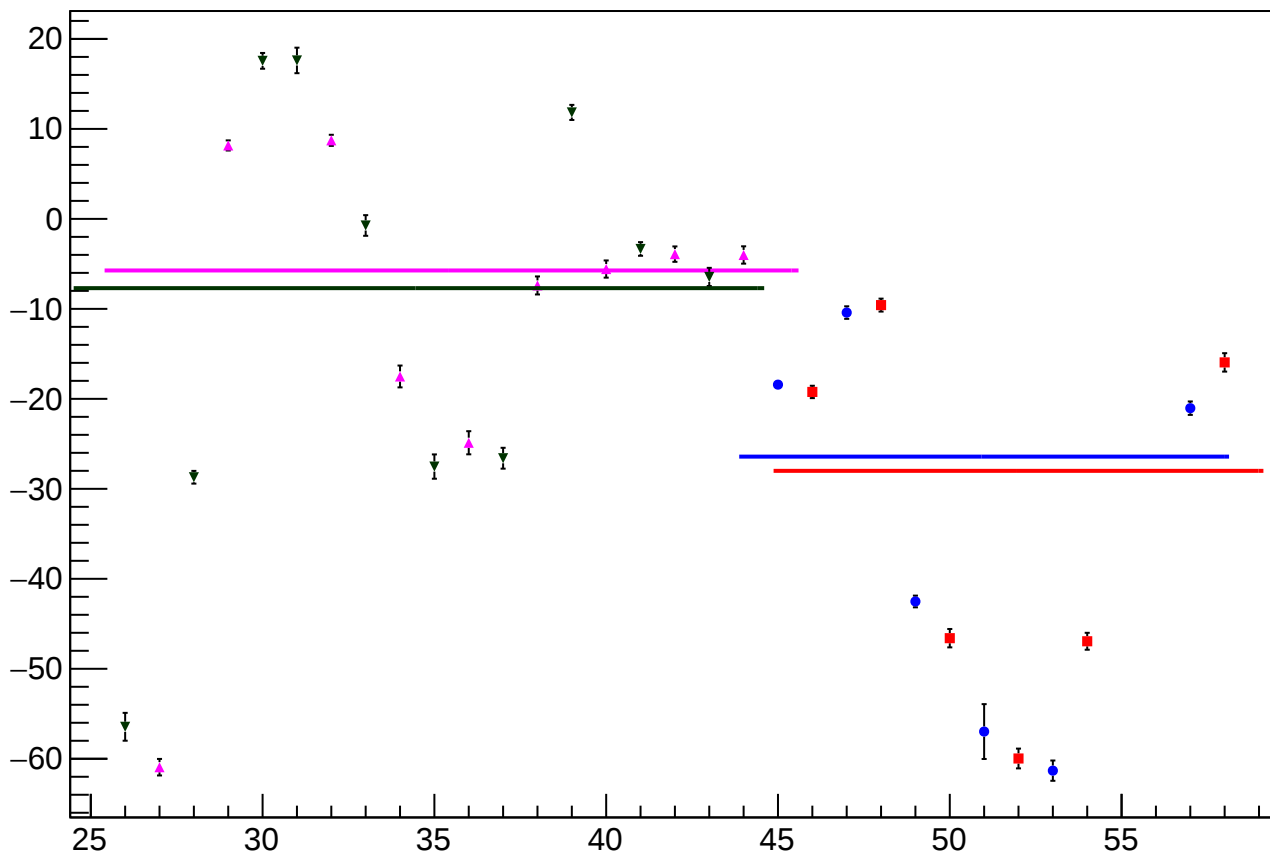
Right Out: -338.993 ± 0.245 χ^2/NDF : 5116.8/5

Left In: -355.932 ± 0.194 χ^2/NDF : 7933.4/8

-343.973 ± 0.152 χ^2/NDF : 15508.0/15

-349.408 ± 0.152 χ^2/NDF : 15986.9/14

reg_asym_atl_avg_diff_bpm4aX_slope vs slug



Right In: -26.420 ± 0.311 χ^2/NDF : 2455.9/5

Left Out: -7.698 ± 0.310 χ^2/NDF : 4119.4/9

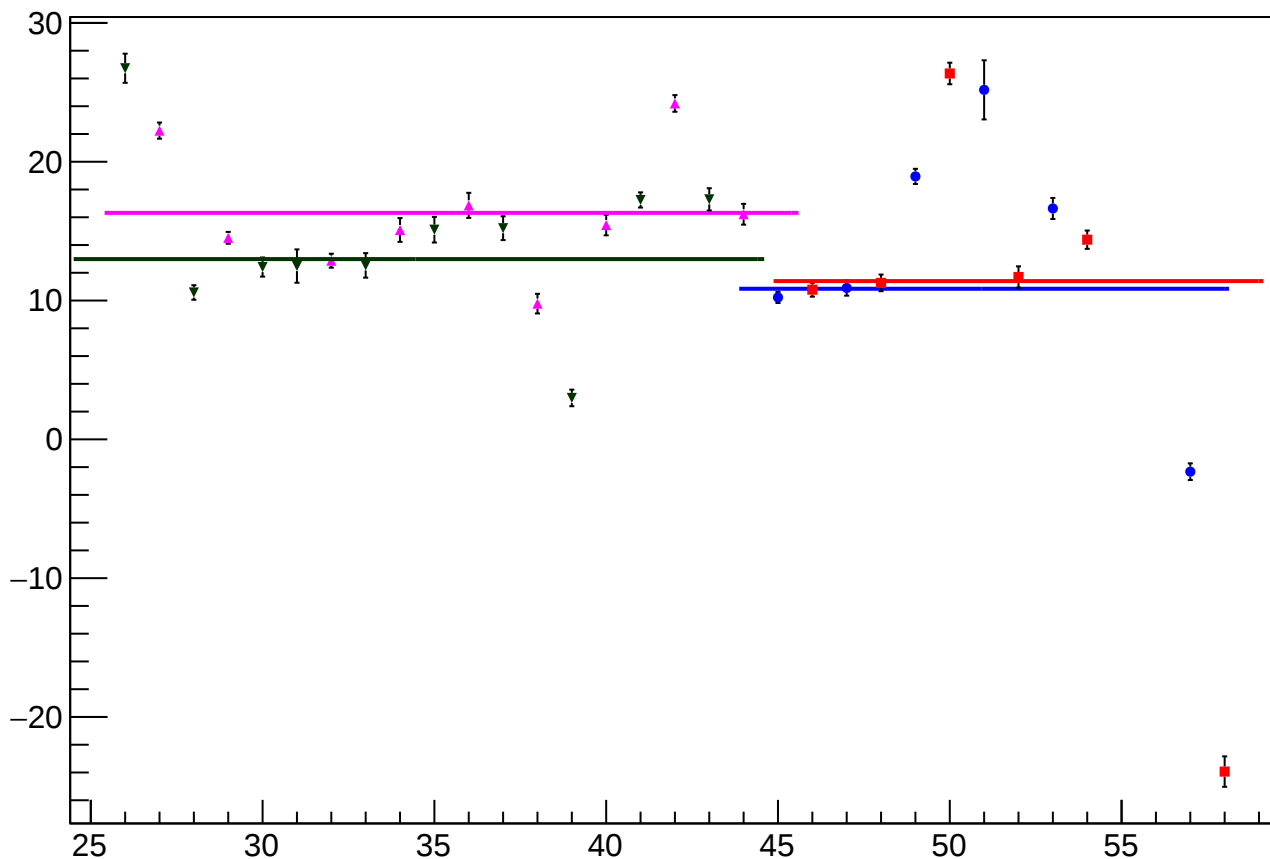
Right Out: -28.002 ± 0.355 χ^2/NDF : 2541.1/5

Left In: -5.733 ± 0.279 χ^2/NDF : 5095.9/8

-17.029 ± 0.219 χ^2/NDF : 8394.7/15

-14.246 ± 0.220 χ^2/NDF : 10064.4/14

reg_asym_atl_avg_diff_bpm4aY_slope vs slug



Right In: 10.850 ± 0.239 χ^2/NDF : 803.3/5

Left Out: 12.987 ± 0.230 χ^2/NDF : 575.0/9

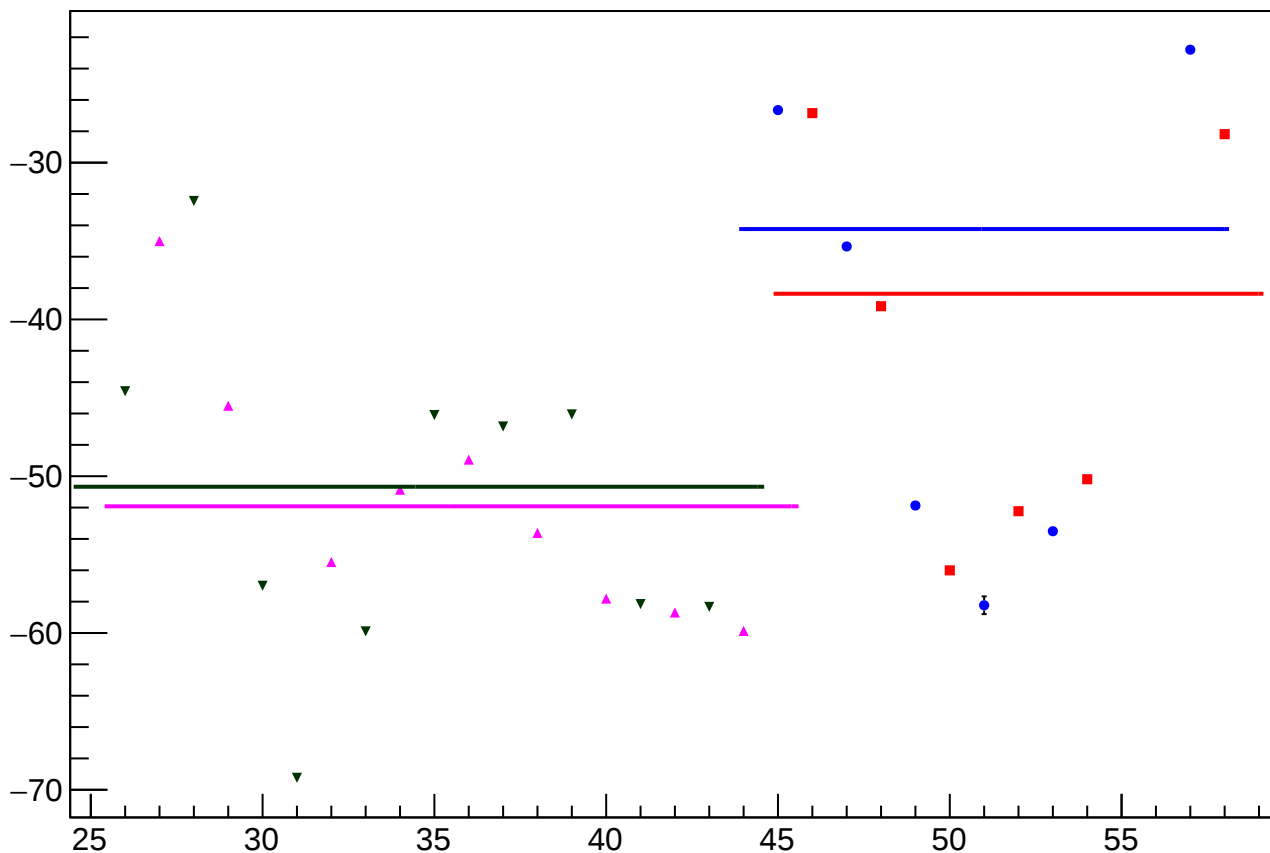
Right Out: 11.403 ± 0.275 χ^2/NDF : 1431.8/5

Left In: 16.318 ± 0.207 χ^2/NDF : 430.3/8

11.957 ± 0.166 χ^2/NDF : 1419.9/15

14.541 ± 0.165 χ^2/NDF : 2066.3/14

reg_asym_atl_avg_diff_bpm4eX_slope vs slug



Right In: -34.236 $\pm$ 0.054 χ^2 /NDF: 43805.0/5

Left Out: -50.671 $\pm$ 0.051 χ^2 /NDF: 44323.0/9

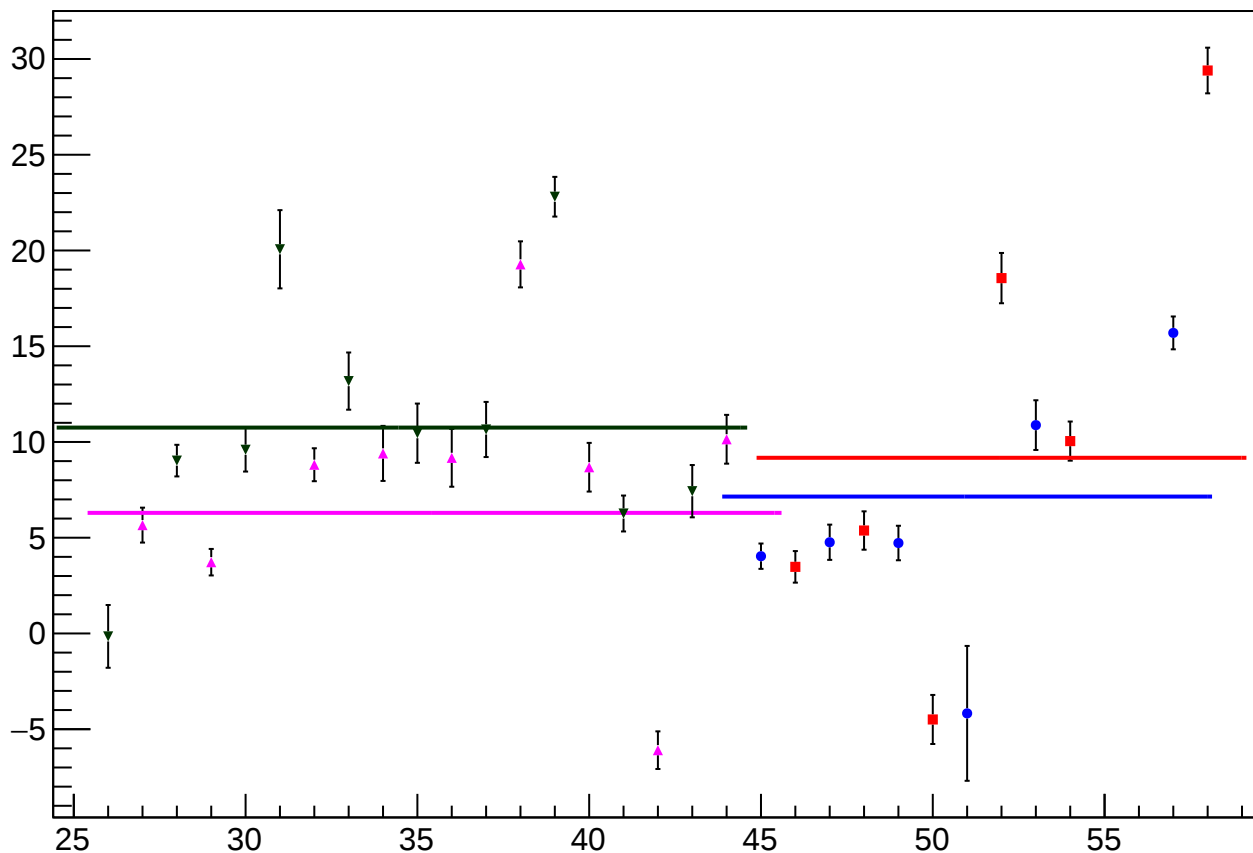
Right Out: -38.361 $\pm$ 0.059 χ^2 /NDF: 35347.1/5

Left In: -51.920 $\pm$ 0.048 χ^2 /NDF: 21764.1/8

-42.873 $\pm$ 0.037 χ^2 /NDF: 136855.0/15

-46.580 $\pm$ 0.037 χ^2 /NDF: 88738.5/14

reg_asym_atl_avg_diff_bpm4eY_slope vs slug



Right In: 7.149+/-0.385 χ^2/NDF : 154.0/5

Left Out: 10.751+/-0.383 χ^2/NDF : 237.1/9

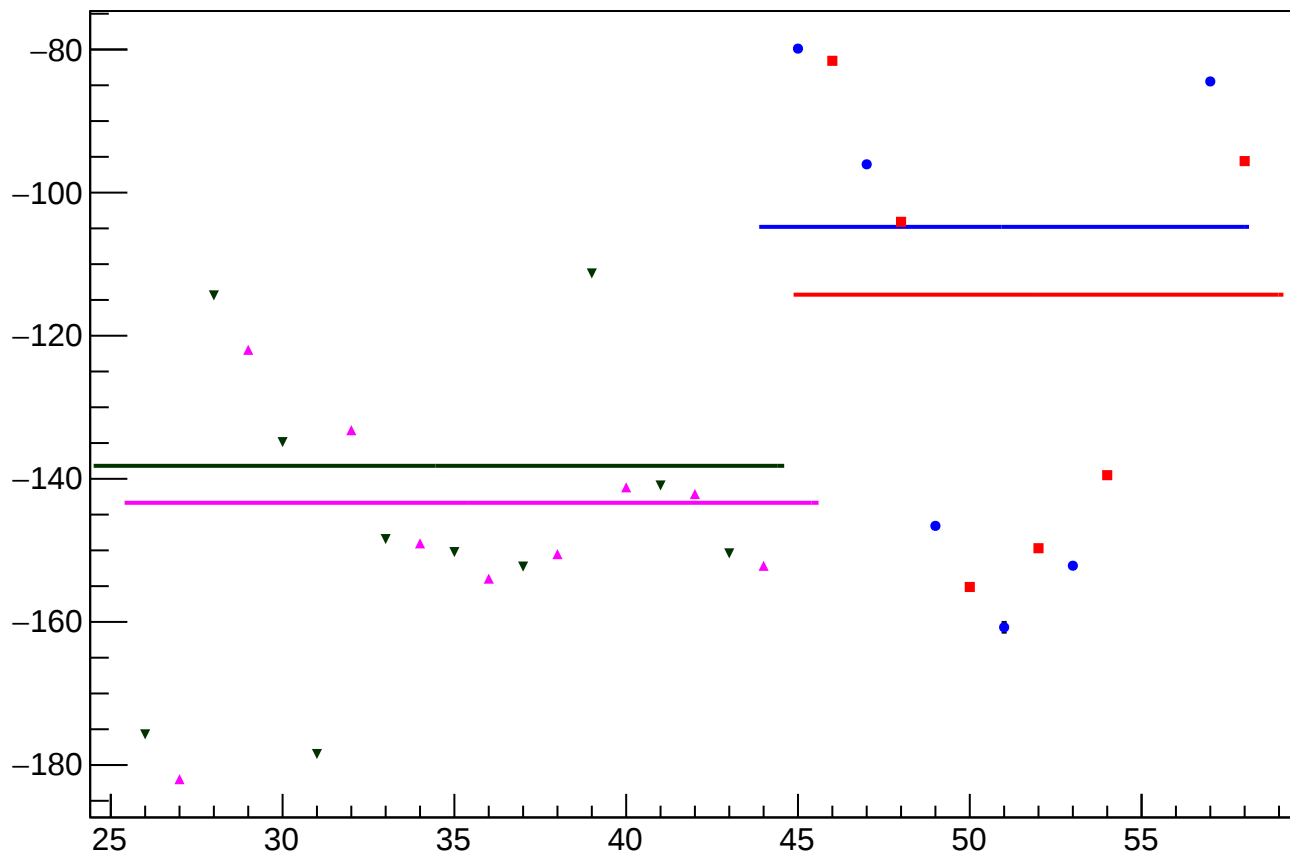
Right Out: 9.174+/-0.434 χ^2/NDF : 515.4/5

Left In: 6.298+/-0.343 χ^2/NDF : 319.2/8

8.959+/-0.272 χ^2/NDF : 435.0/15

7.403+/-0.269 χ^2/NDF : 861.6/14

reg_asym_atl_avg_diff_bpm11X_slope vs slug



Right In: -104.786+/-0.076 χ^2/NDF : 155474.0/5

Left Out: -138.184+/-0.072 χ^2/NDF : 82180.0/9

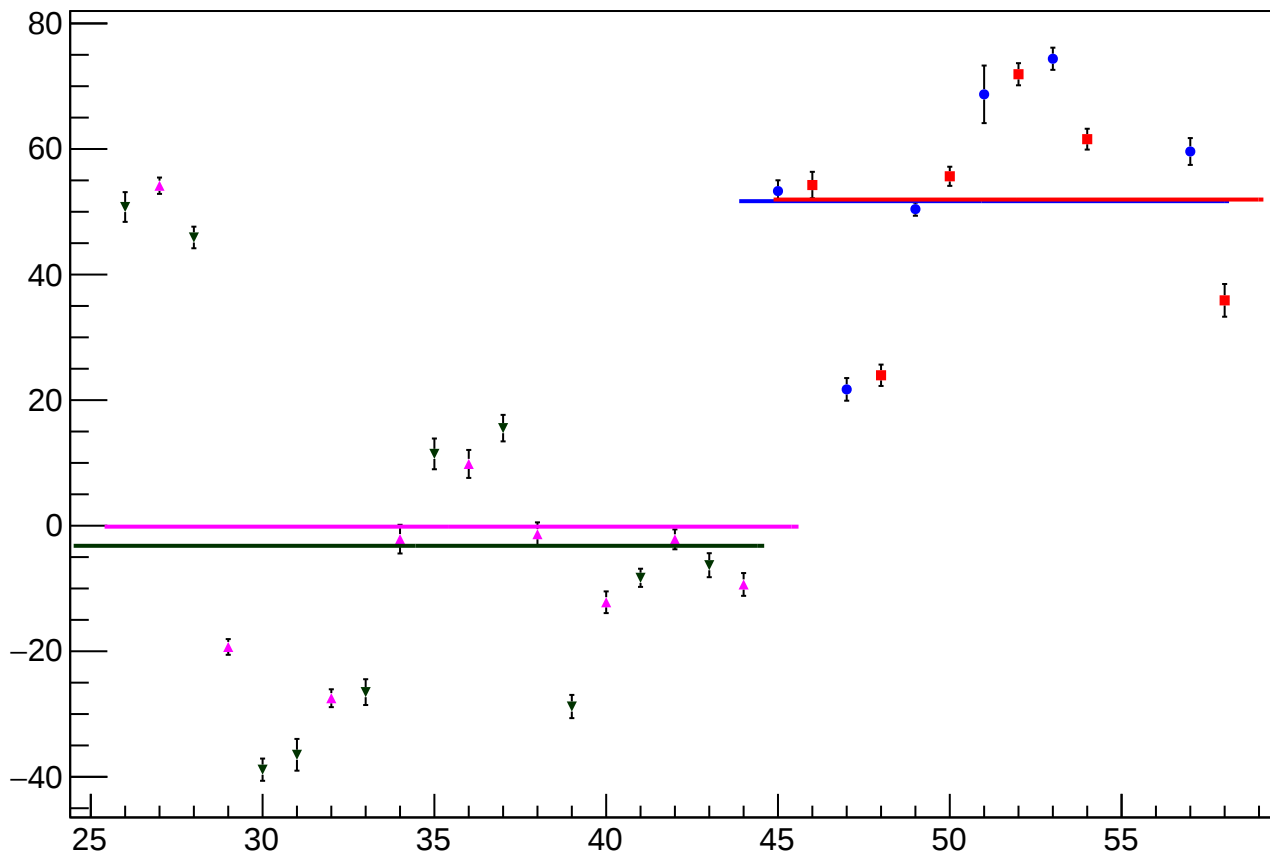
Right Out: -114.266+/-0.083 χ^2/NDF : 119155.5/5

Left In: -143.350+/-0.072 χ^2/NDF : 55051.5/8

-122.386+/-0.052 χ^2/NDF : 340193.7/15

-130.872+/-0.054 χ^2/NDF : 244321.4/14

reg_asym_atl_dd_diff_bpm4aX_slope vs slug



Right In: 51.691 $\pm$ 0.685 χ^2 /NDF: 471.3/5

Left Out: -3.202 $\pm$ 0.613 χ^2 /NDF: 2363.4/9

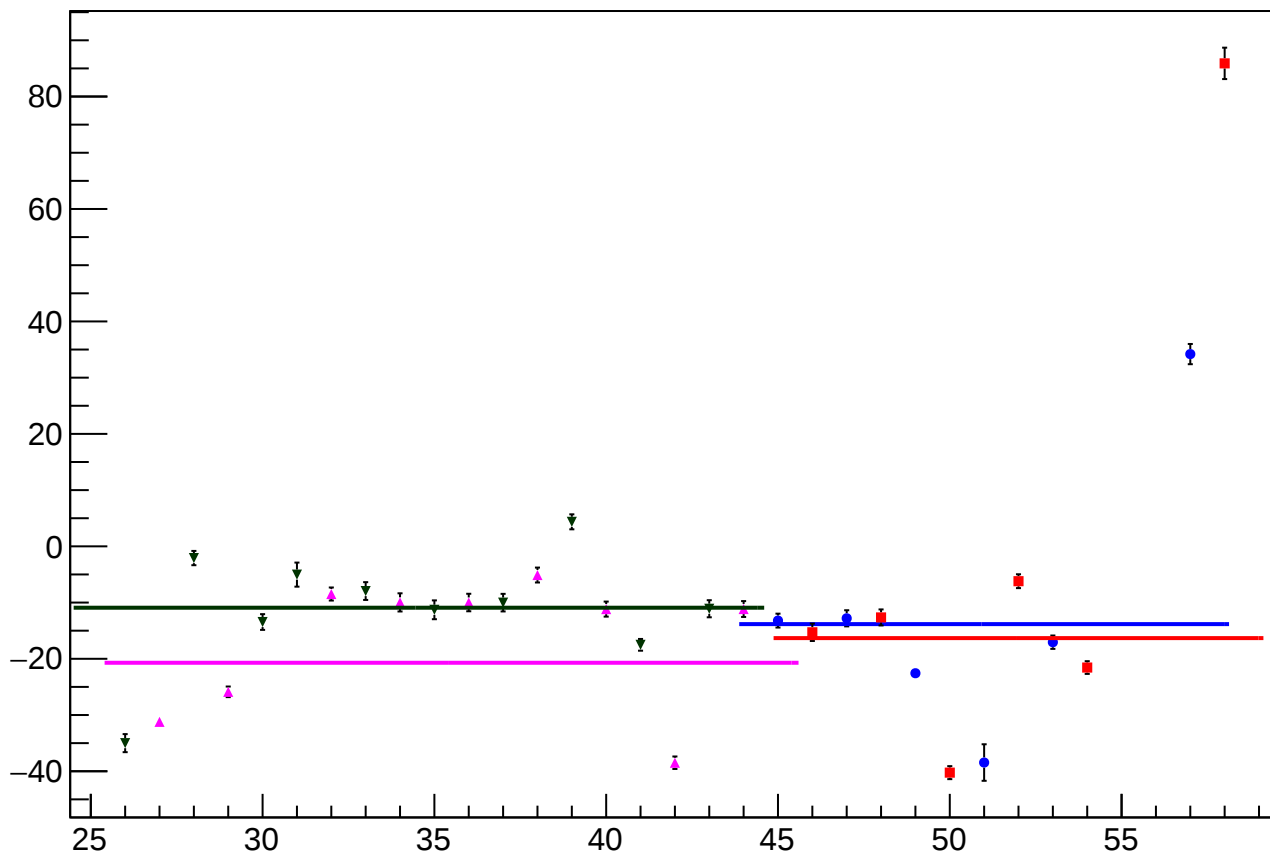
Right Out: 51.948 $\pm$ 0.738 χ^2 /NDF: 477.4/5

Left In: -0.152 $\pm$ 0.540 χ^2 /NDF: 2441.2/8

21.205 $\pm$ 0.457 χ^2 /NDF: 6403.8/15

17.981 $\pm$ 0.436 χ^2 /NDF: 6164.2/14

reg_asym_atl_dd_diff_bpm4aY_slope vs slug



Right In: -13.832 ± 0.532 χ^2/NDF : 876.1/5

Left Out: -10.916 ± 0.456 χ^2/NDF : 459.2/9

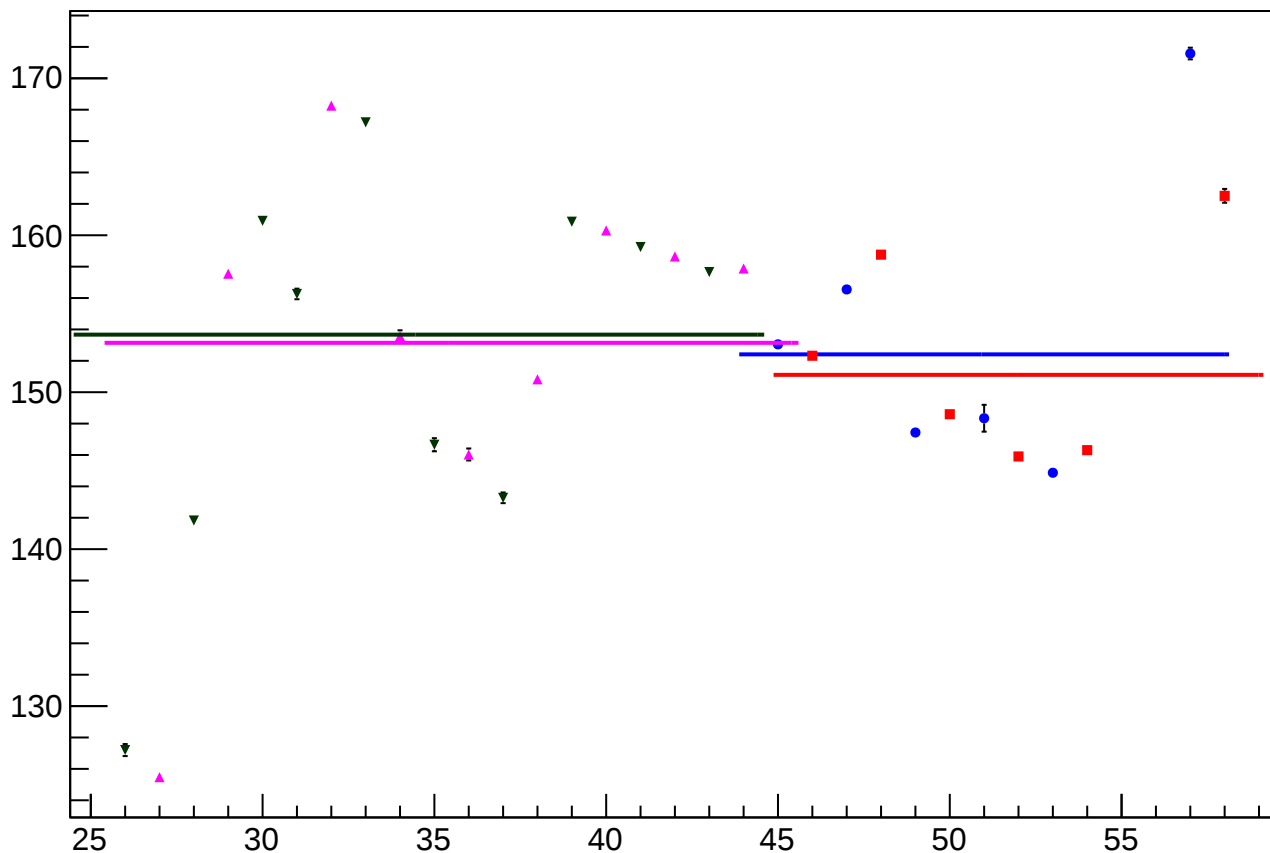
-12.149 ± 0.346 χ^2/NDF : 1352.6/15

Right Out: -16.321 ± 0.556 χ^2/NDF : 1865.1/5

-19.275 ± 0.318 χ^2/NDF : 2803.1/14

Left In: -20.706 ± 0.387 χ^2/NDF : 896.2/8

reg_asym_atl_dd_diff_bpm4eX_slope vs slug



Right In: 152.411+/-0.124 χ^2/NDF : 3976.7/5

Left Out: 153.668+/-0.101 χ^2/NDF : 11181.3/9

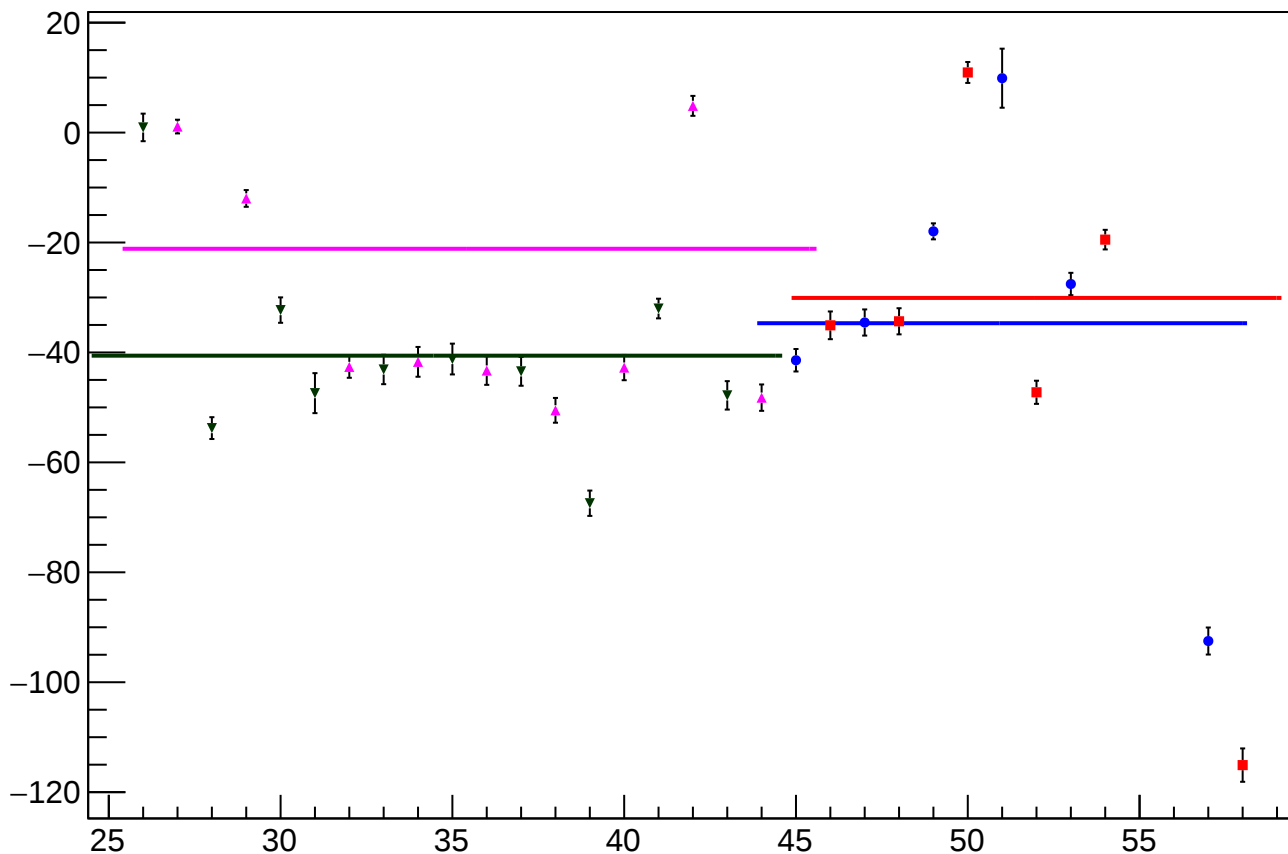
Right Out: 151.106+/-0.127 χ^2/NDF : 1977.0/5

Left In: 153.146+/-0.093 χ^2/NDF : 20805.5/8

153.168+/-0.078 χ^2/NDF : 15219.5/15

152.436+/-0.075 χ^2/NDF : 22949.8/14

reg_asym_atl_dd_diff_bpm4eY_slope vs slug



Right In: -34.684 $\pm$ 0.867 χ^2 /NDF: 776.4/5

Left Out: -40.588 $\pm$ 0.759 χ^2 /NDF: 503.5/9

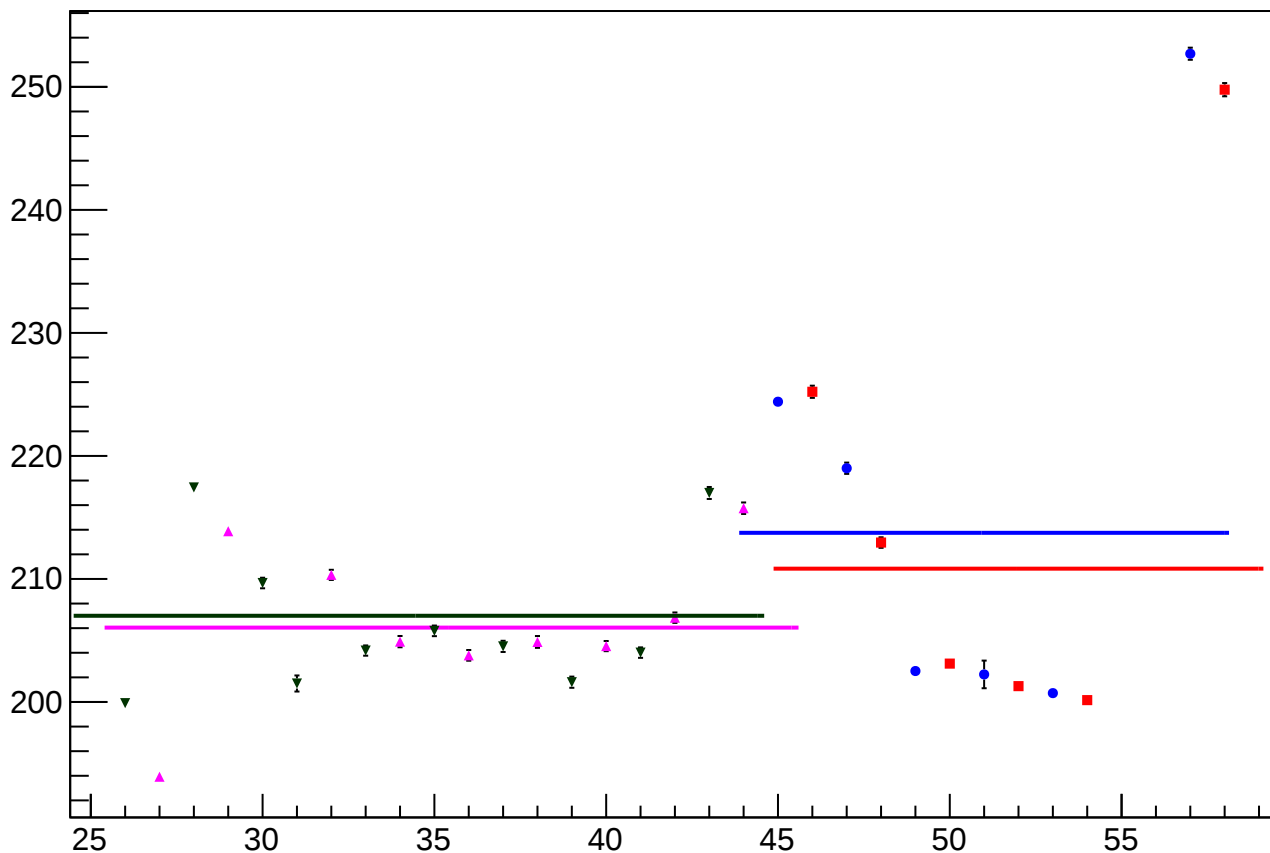
Right Out: -30.081 $\pm$ 0.892 χ^2 /NDF: 1356.2/5

Left In: -21.140 $\pm$ 0.636 χ^2 /NDF: 1191.2/8

-38.030 $\pm$ 0.571 χ^2 /NDF: 1306.2/15

-24.155 $\pm$ 0.518 χ^2 /NDF: 2614.1/14

reg_asym_atl_dd_diff_bpm11X_slope vs slug



Right In: 213.751+/-0.167 χ^2/NDF : 10033.1/5

Left Out: 207.007+/-0.139 χ^2/NDF :1896.8/9

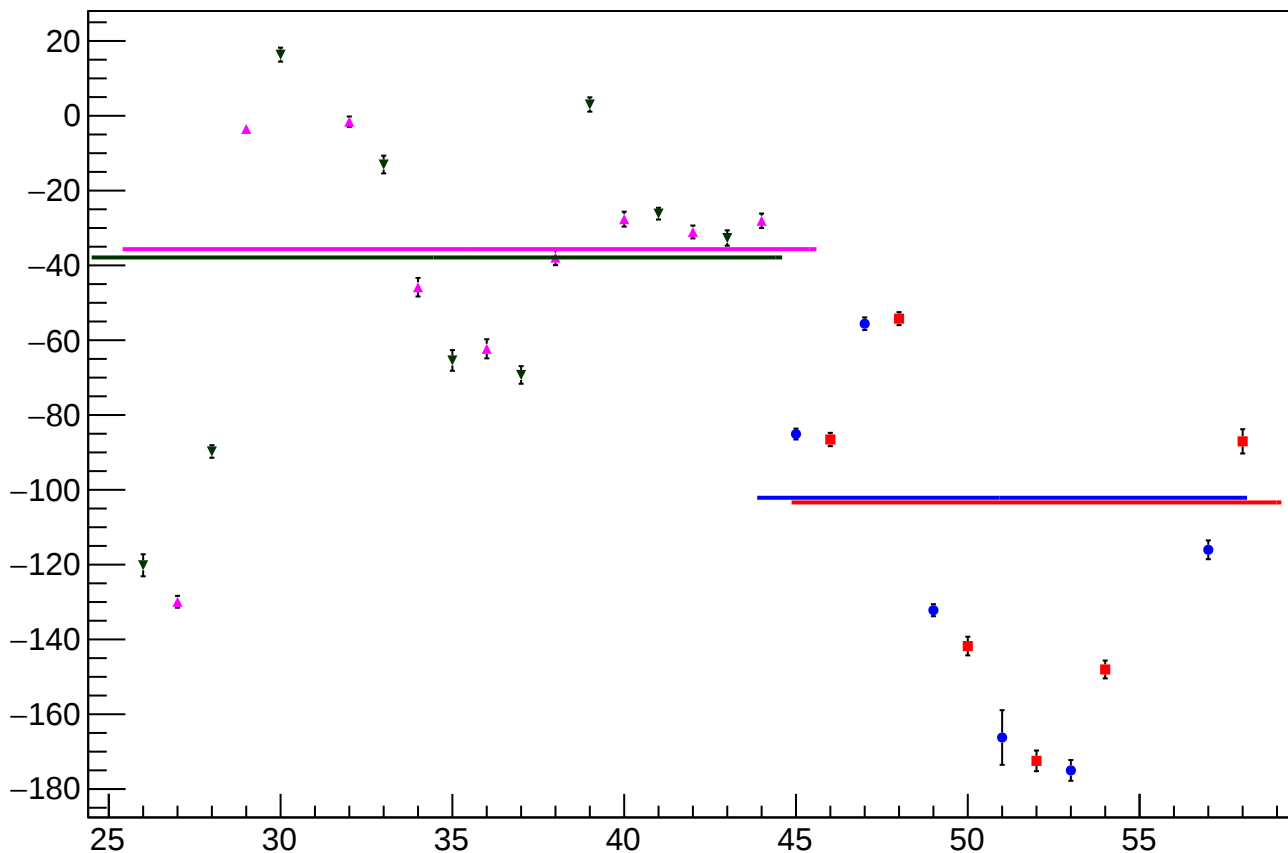
Right Out: 210.836+/-0.169 χ^2/NDF : 7990.5/5

Left In: 206.045+/-0.136 χ^2/NDF :2460.3/8

209.774+/-0.107 χ^2/NDF : 12891.4/15

207.936+/-0.106 χ^2/NDF : 10939.6/14

reg_asym_atr_avg_diff_bpm4aX_slope vs slug



Right In: -102.122+/-0.813 χ^2/NDF : 2036.2/5

Left Out: -37.875+/-0.681 χ^2/NDF : 3472.1/8

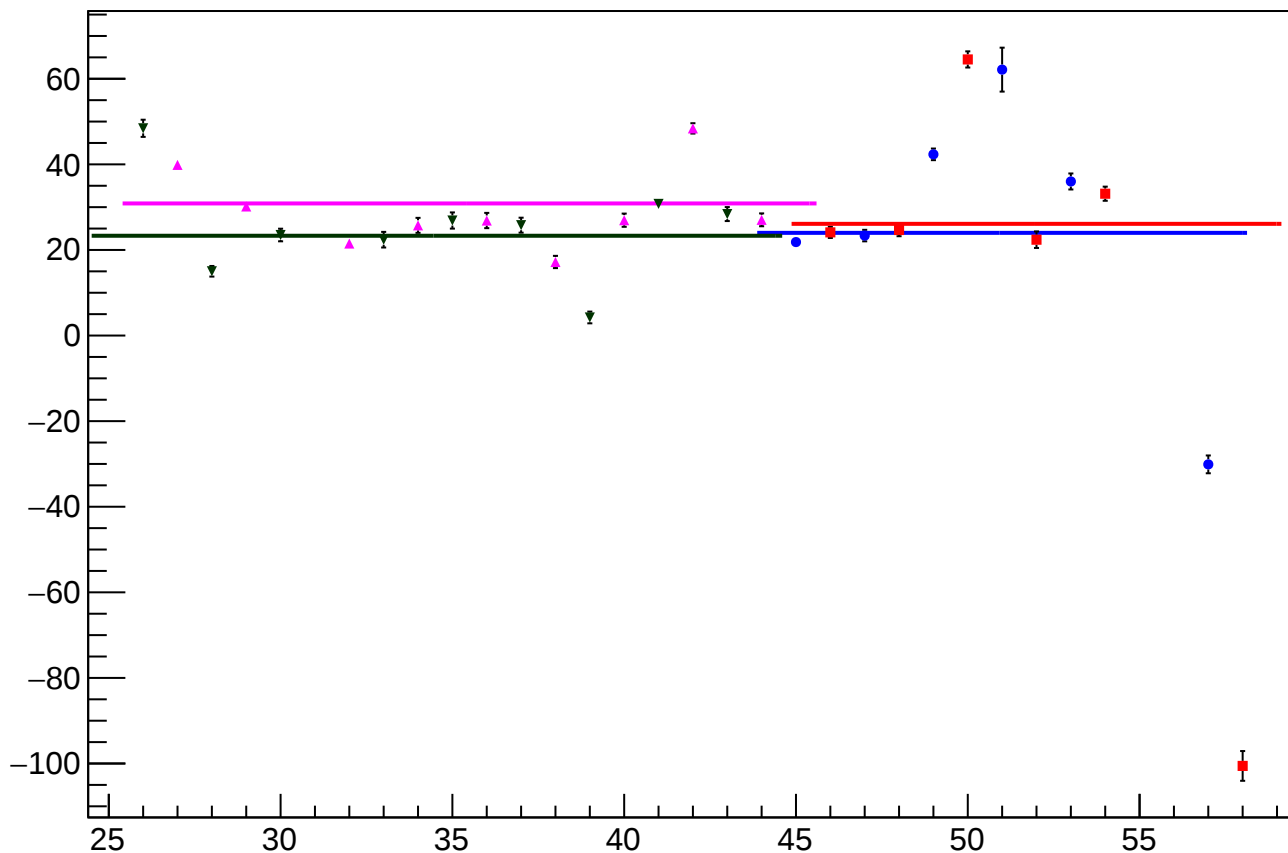
Right Out: -103.371+/-0.910 χ^2/NDF : 2123.0/5

Left In: -35.653+/-0.581 χ^2/NDF : 4958.4/8

-64.347+/-0.522 χ^2/NDF : 9178.6/14

-55.246+/-0.490 χ^2/NDF : 11016.4/14

reg_asym_atr_avg_diff_bpm4aY_slope vs slug



Right In: 23.996 ± 0.625 $\chi^2/\text{NDF}: 959.4/5$

Left Out: 23.318 ± 0.503 $\chi^2/\text{NDF}: 453.6/8$

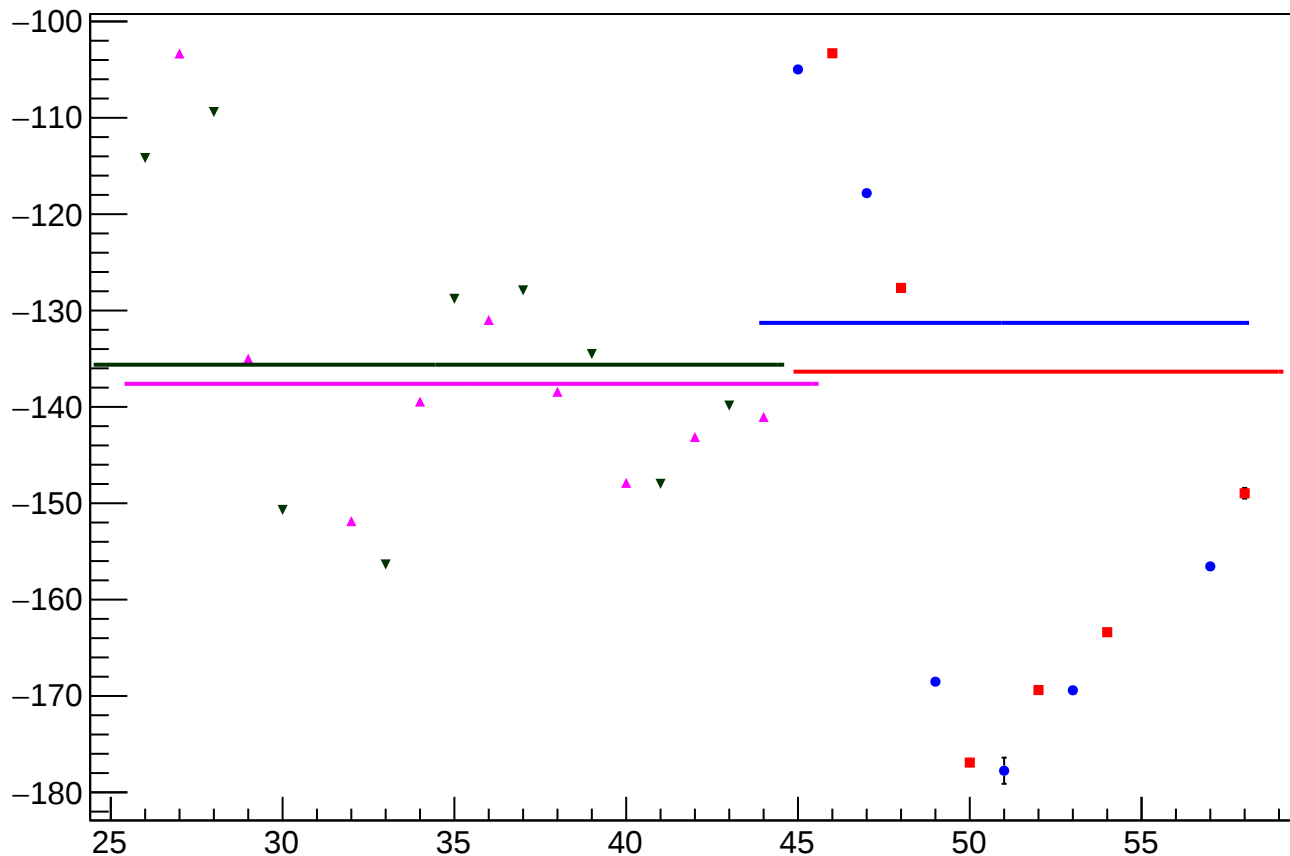
Right Out: 26.102 ± 0.697 $\chi^2/\text{NDF}: 1766.4/5$

Left In: 30.868 ± 0.424 $\chi^2/\text{NDF}: 480.3/8$

23.585 ± 0.392 $\chi^2/\text{NDF}: 1413.8/14$

29.582 ± 0.362 $\chi^2/\text{NDF}: 2280.9/14$

reg_asym_atr_avg_diff_bpm4eX_slope vs slug



Right In: -131.280+/-0.141 χ^2/NDF : 38286.3/5

Left Out: -135.624+/-0.114 χ^2/NDF :18316.3/8

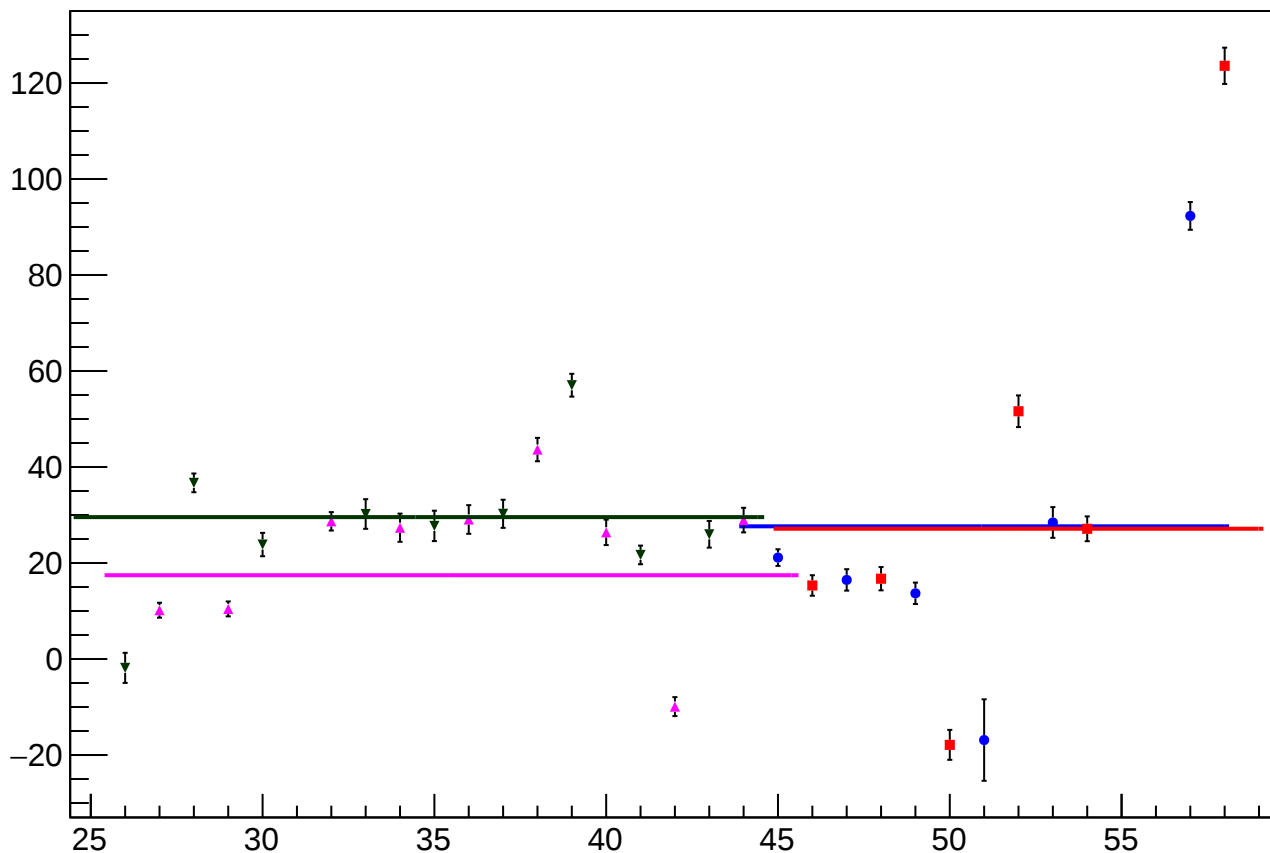
-133.909+/-0.089 χ^2/NDF : 57173.3/14

Right Out: -136.343+/-0.153 χ^2/NDF : 33277.0/5

-137.228+/-0.083 χ^2/NDF : 54444.1/14

Left In: -137.605+/-0.100 χ^2/NDF :21119.1/8

reg_asym_atr_avg_diff_bpm4eY_slope vs slug



Right In: 27.643 $\pm$ 1.018 χ^2 /NDF: 606.6/5

Left Out: 29.561 $\pm$ 0.838 χ^2 /NDF:271.6/8

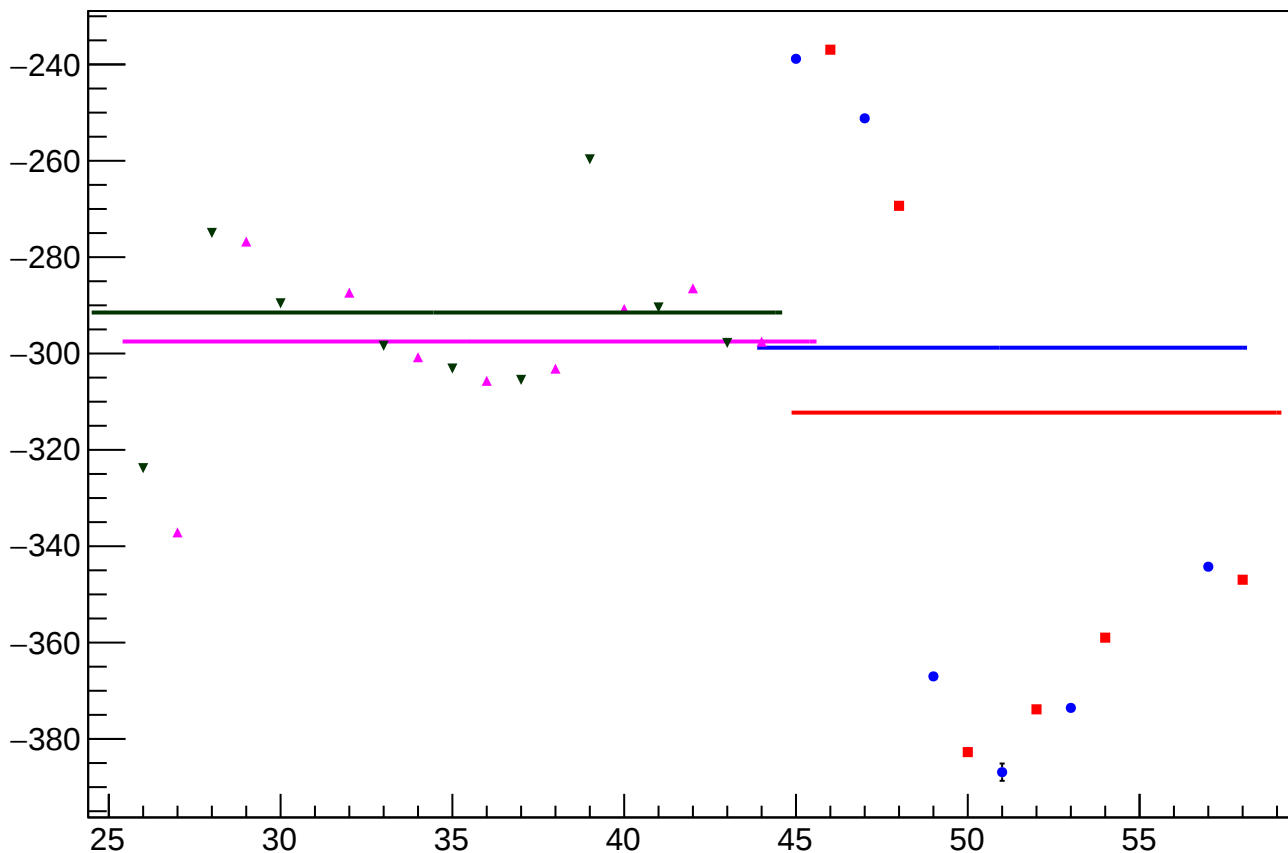
Right Out: 27.143 $\pm$ 1.116 χ^2 /NDF: 963.7/5

Left In: 17.454 $\pm$ 0.699 χ^2 /NDF:441.9/8

28.786 $\pm$ 0.647 χ^2 /NDF: 880.3/14

20.186 $\pm$ 0.592 χ^2 /NDF: 1459.7/14

reg_asym_atr_avg_diff_bpm11X_slope vs slug



Right In: -298.792 $\pm$ 0.199 χ^2 /NDF: 92339.8/5

Left Out: -291.489 $\pm$ 0.156 χ^2 /NDF:12241.2/8

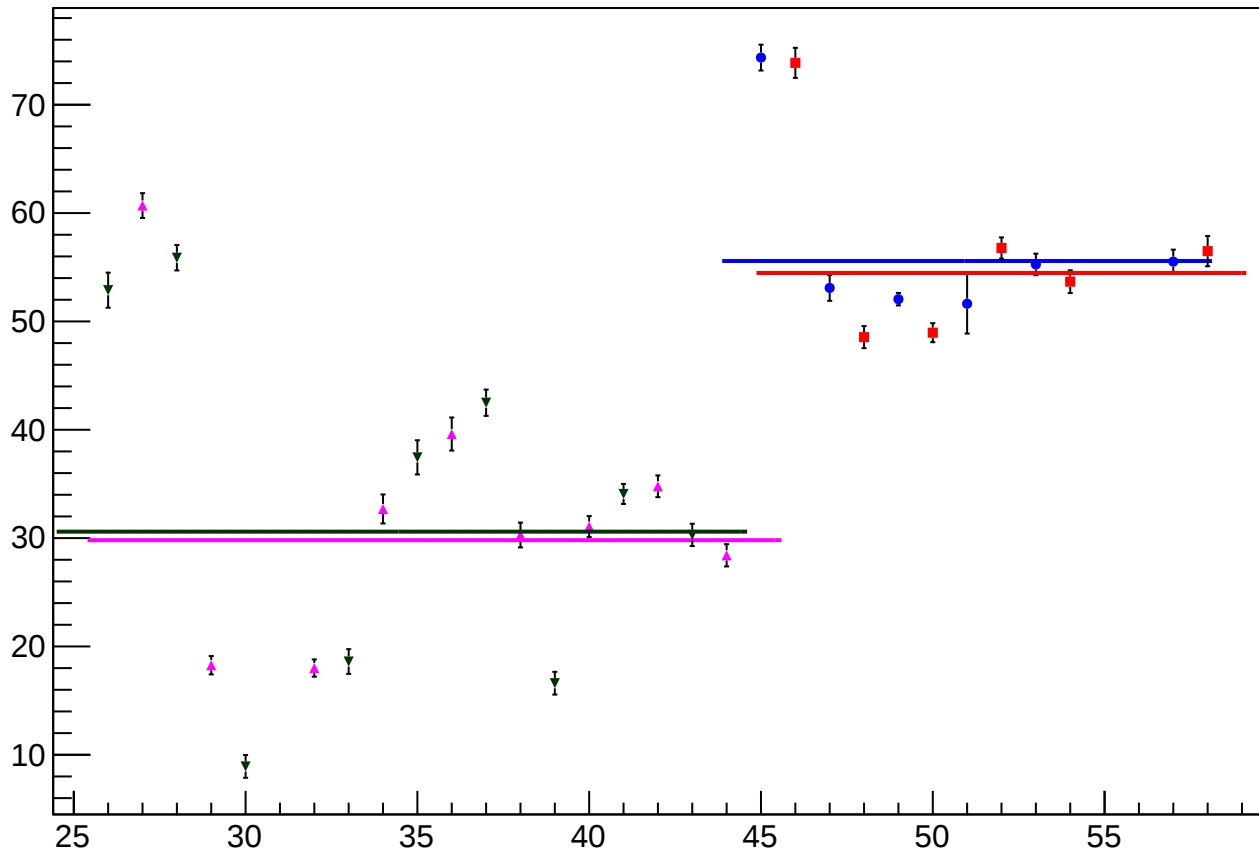
Right Out: -312.267 $\pm$ 0.214 χ^2 /NDF: 77273.2/5

Left In: -297.505 $\pm$ 0.148 χ^2 /NDF:15085.1/8

-294.278 $\pm$ 0.123 χ^2 /NDF: 105415.8/14

-302.288 $\pm$ 0.122 χ^2 /NDF: 95565.3/14

reg_asym_atr_dd_diff_bpm4aX_slope vs slug



Right In: 55.577 ± 0.397 χ^2/NDF : 291.3/5

Left Out: 30.597 ± 0.381 χ^2/NDF : 1496.6/8

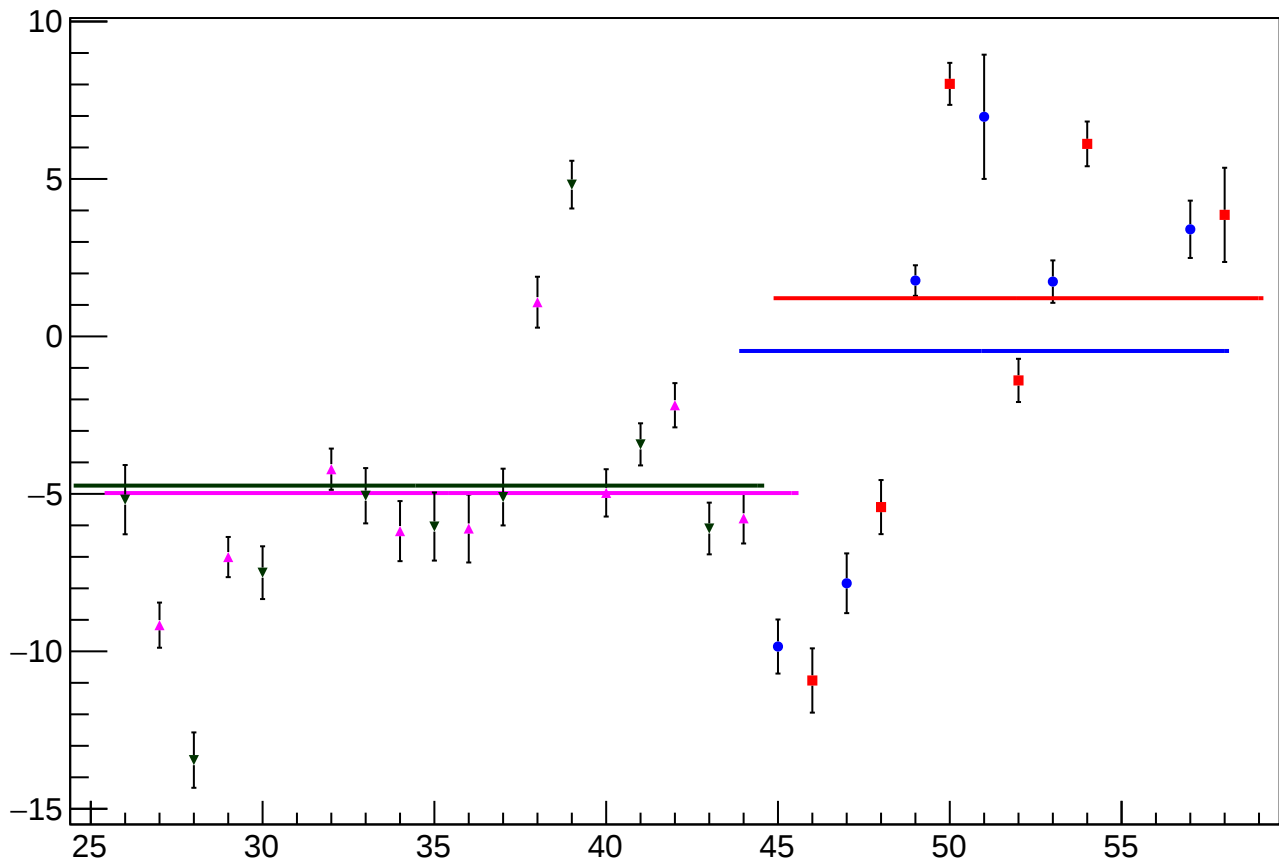
Right Out: 54.469 ± 0.438 χ^2/NDF : 276.1/5

Left In: 29.811 ± 0.343 χ^2/NDF : 1208.1/8

42.599 ± 0.275 χ^2/NDF : 3849.0/14

39.207 ± 0.270 χ^2/NDF : 3449.8/14

reg_asym_atr_dd_diff_bpm4aY_slope vs slug



Right In: -0.462 ± 0.310 χ^2/NDF : 244.1/5

Left Out: -4.737 ± 0.284 χ^2/NDF : 276.8/8

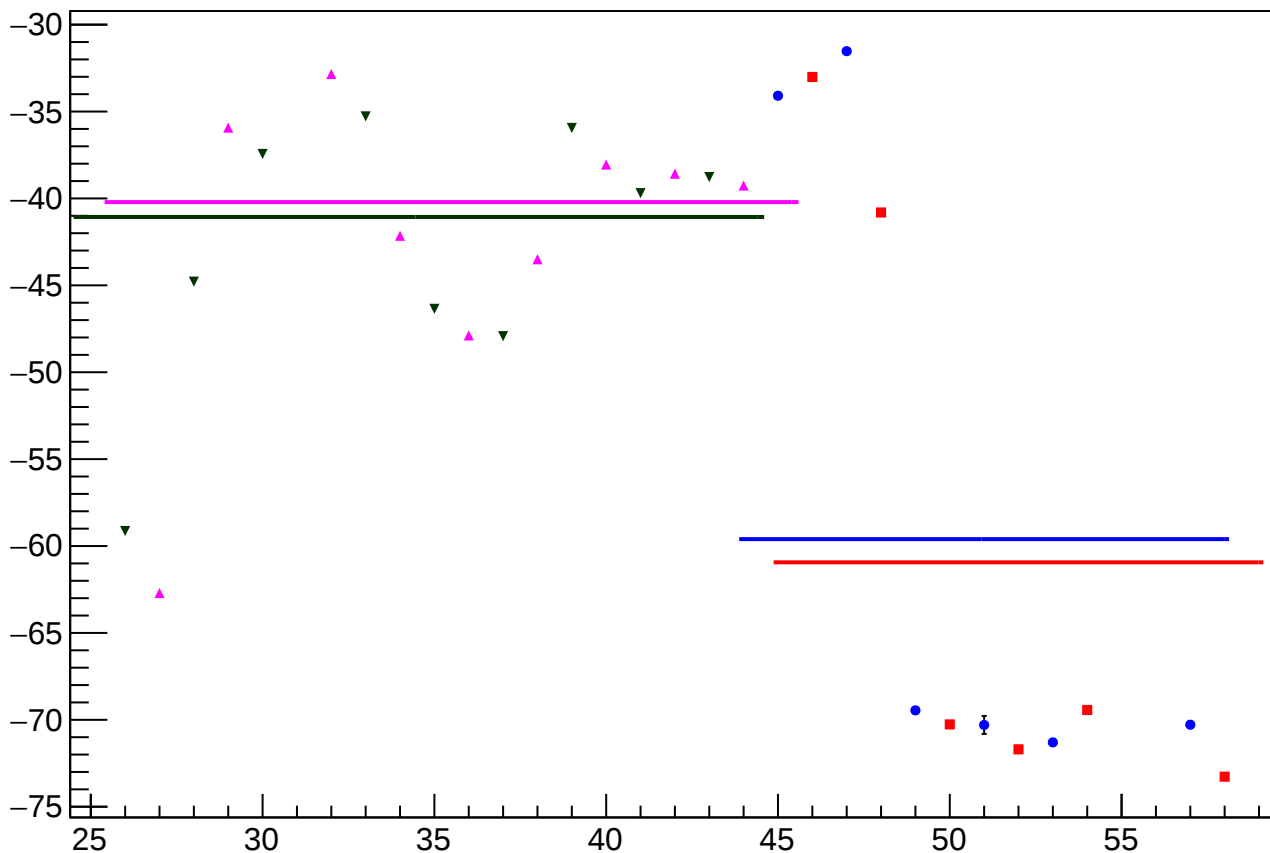
Right Out: 1.213 ± 0.331 χ^2/NDF : 370.4/5

Left In: -4.974 ± 0.253 χ^2/NDF : 121.4/8

-2.788 ± 0.210 χ^2/NDF : 624.2/14

-2.691 ± 0.201 χ^2/NDF : 712.0/14

reg_asym_atr_dd_diff_bpm4eX_slope vs slug



Right In: -59.602 +/- 0.073 χ^2/NDF : 52669.1/5

Left Out: -41.066 +/- 0.063 χ^2/NDF : 9369.8/8

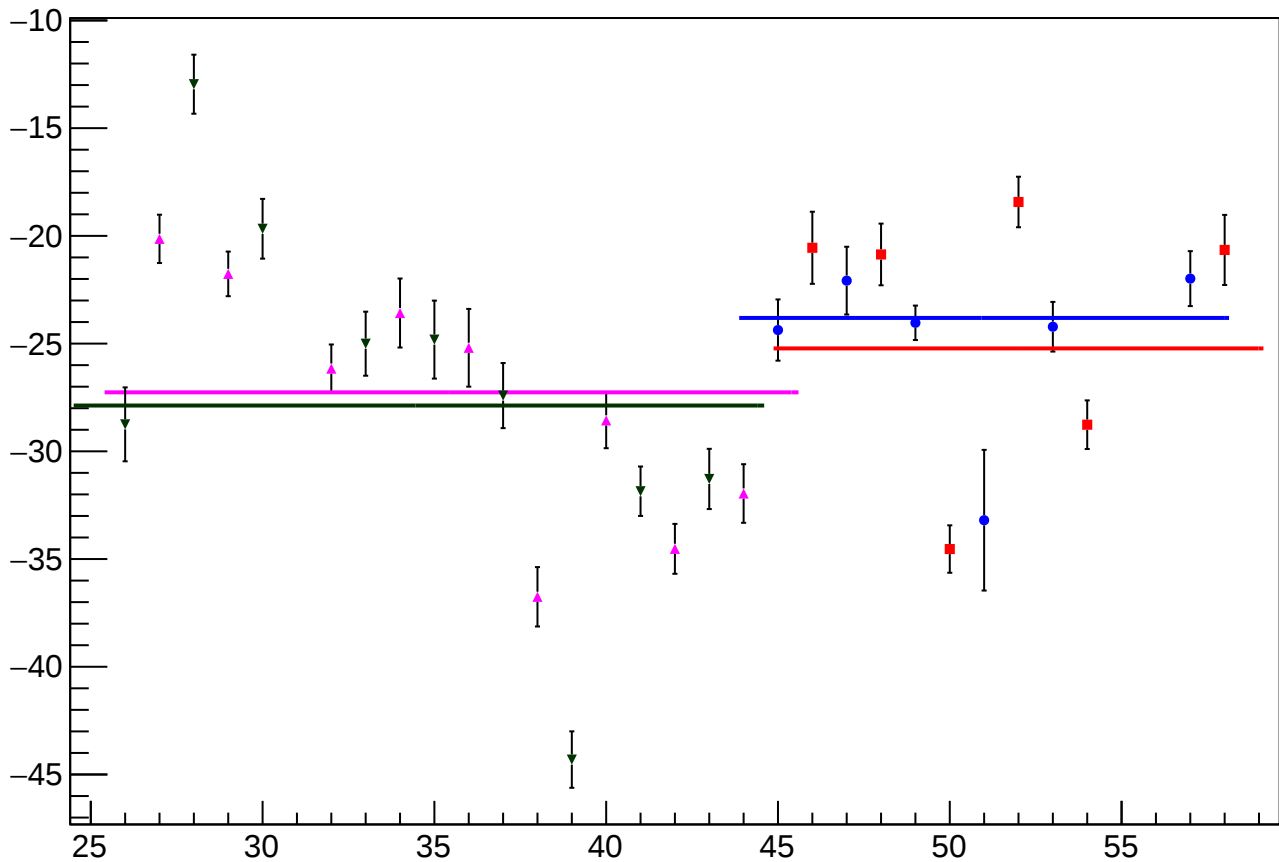
Right Out: -60.937 +/- 0.076 χ^2/NDF : 41633.9/5

Left In: -40.210 +/- 0.058 χ^2/NDF : 18072.5/8

-49.023 +/- 0.048 χ^2/NDF : 98744.2/14

-47.919 +/- 0.046 χ^2/NDF : 106453.2/14

reg_asym_atr_dd_diff_bpm4eY_slope vs slug



Right In: -23.808 ± 0.505 $\chi^2/\text{NDF}: 11.9/5$

Left Out: -27.875 ± 0.474 $\chi^2/\text{NDF}: 335.8/8$

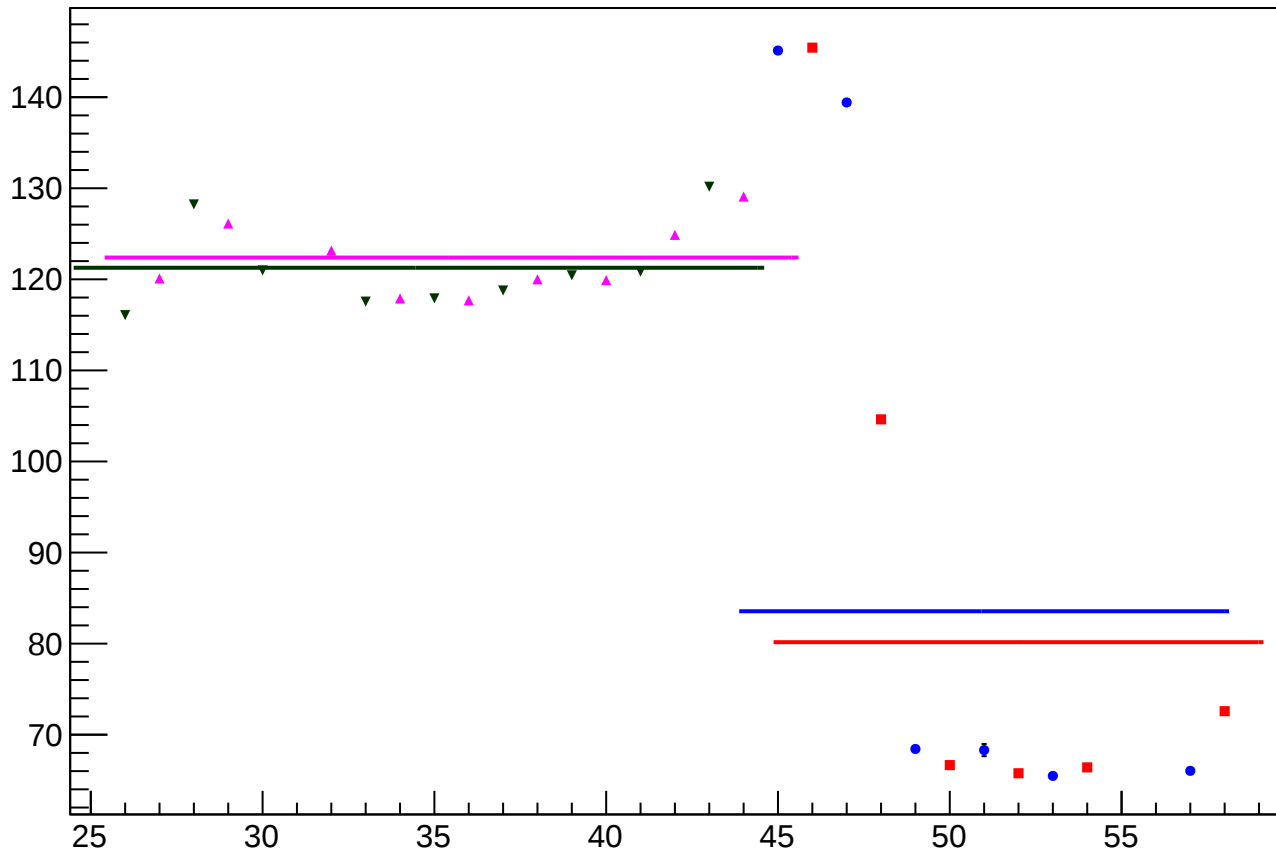
Right Out: -25.224 ± 0.530 $\chi^2/\text{NDF}: 140.0/5$

Left In: -27.262 ± 0.421 $\chi^2/\text{NDF}: 175.8/8$

-25.967 ± 0.346 $\chi^2/\text{NDF}: 382.1/14$

-26.473 ± 0.330 $\chi^2/\text{NDF}: 324.8/14$

reg_asym_atr_dd_diff_bpm11X_slope vs slug



Right In: 83.552 ± 0.097 $\chi^2/\text{NDF}: 103348.5/5$

Left Out: 121.269 ± 0.087 $\chi^2/\text{NDF}: 2757.8/8$

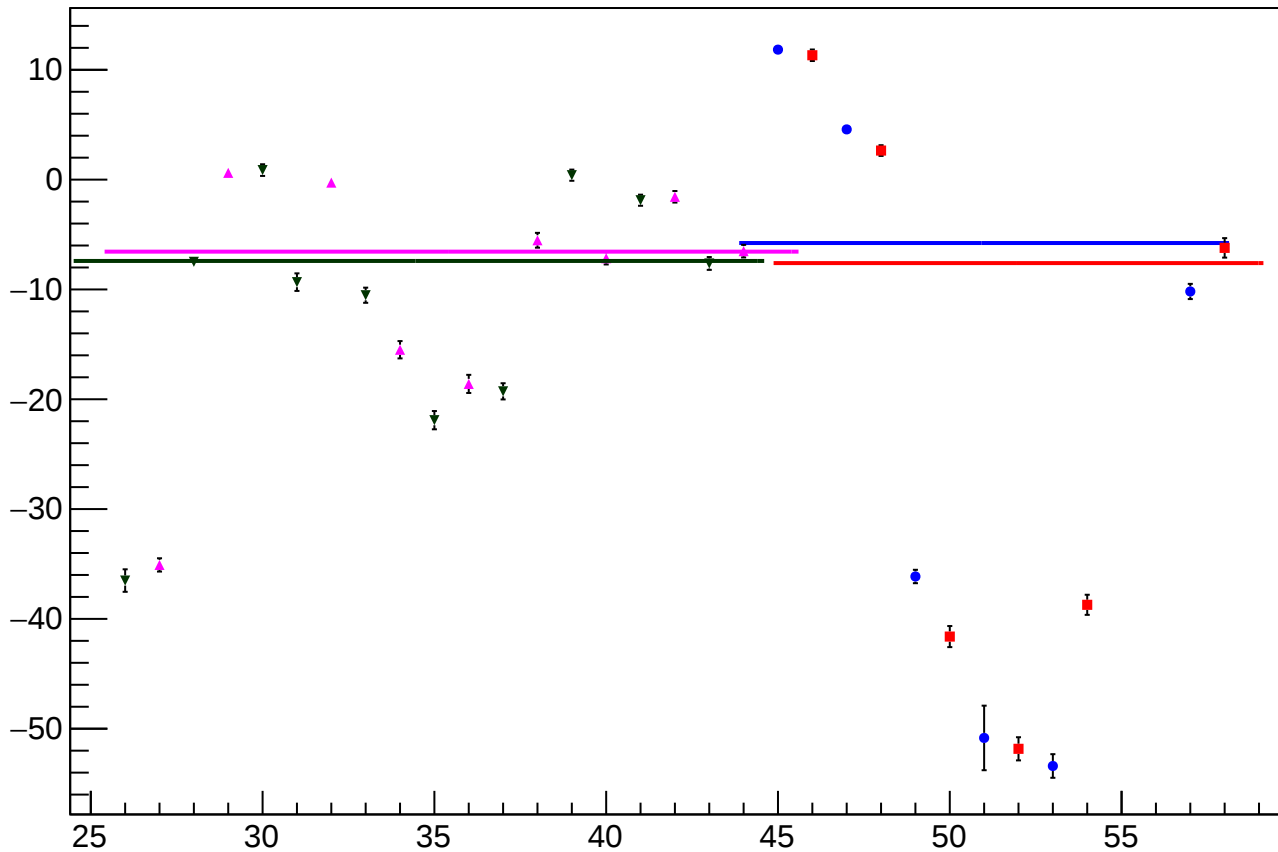
Right Out: 80.159 ± 0.099 $\chi^2/\text{NDF}: 62497.5/5$

Left In: 122.391 ± 0.087 $\chi^2/\text{NDF}: 1757.6/8$

104.497 ± 0.065 $\chi^2/\text{NDF}: 190464.8/14$

103.950 ± 0.065 $\chi^2/\text{NDF}: 167278.7/14$

reg_asym_at1_avg_diff_bpm4aX_slope vs slug



Right In: -5.773 ± 0.254 χ^2/NDF : 6753.3/5

Left Out: -7.406 ± 0.192 χ^2/NDF : 1994.4/9

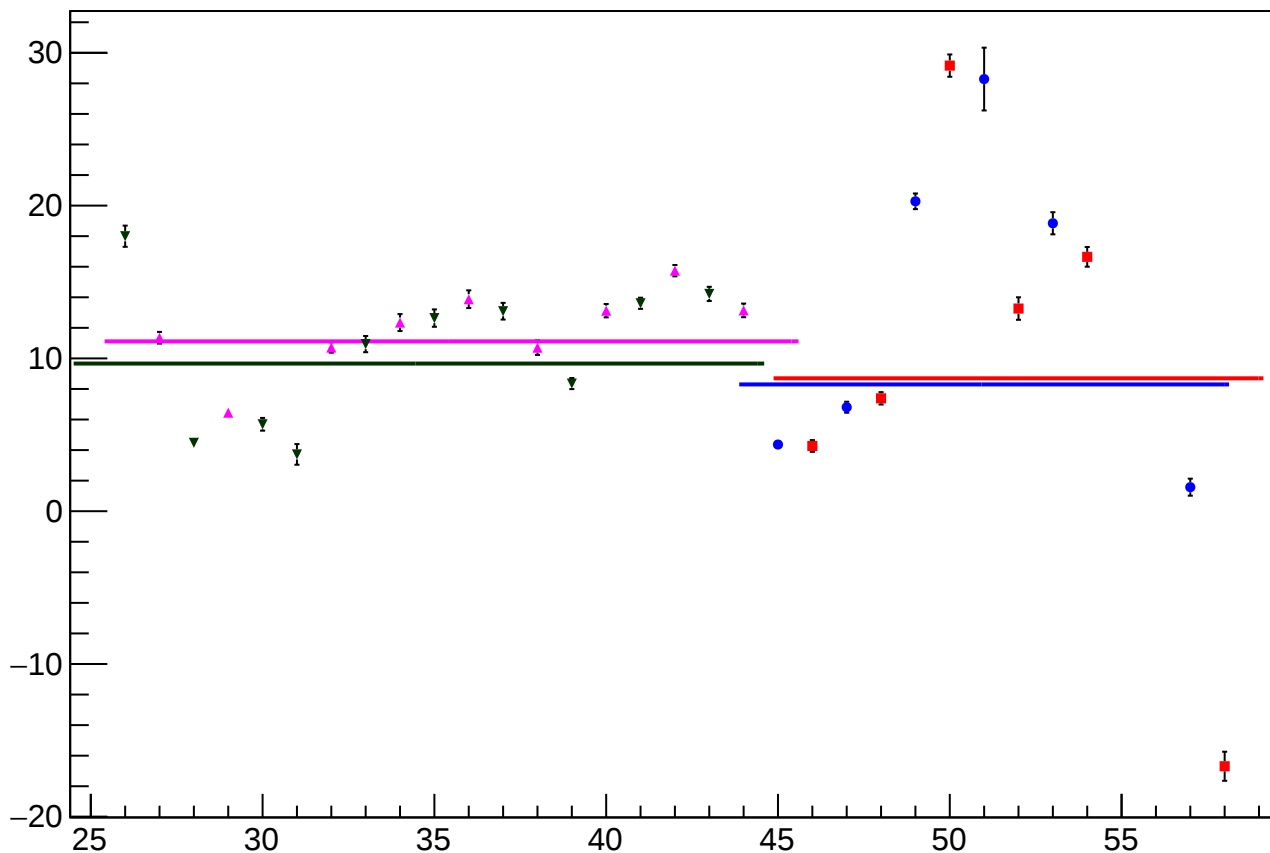
Right Out: -7.600 ± 0.285 χ^2/NDF : 5919.8/5

Left In: -6.558 ± 0.179 χ^2/NDF : 3282.1/8

-6.812 ± 0.153 χ^2/NDF : 8774.0/15

-6.852 ± 0.152 χ^2/NDF : 9211.5/14

reg_asym_at1_avg_diff_bpm4aY_slope vs slug



Right In: 8.297 ± 0.195 $\chi^2/\text{NDF}: 1161.0/5$

Left Out: 9.662 ± 0.143 $\chi^2/\text{NDF}: 856.3/9$

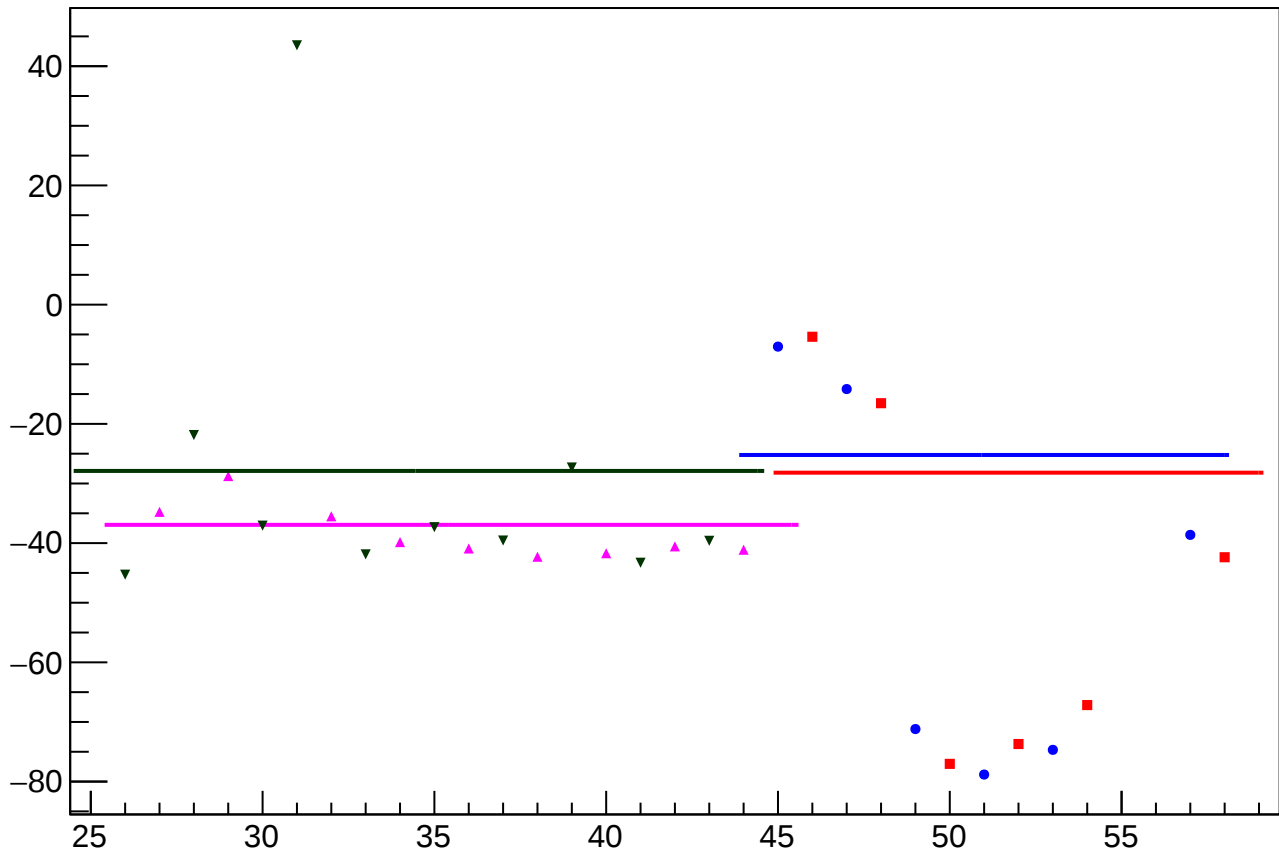
Right Out: 8.698 ± 0.223 $\chi^2/\text{NDF}: 1831.3/5$

Left In: 11.116 ± 0.132 $\chi^2/\text{NDF}: 518.9/8$

9.184 ± 0.115 $\chi^2/\text{NDF}: 2049.2/15$

10.487 ± 0.114 $\chi^2/\text{NDF}: 2437.1/14$

reg_asym_at1_avg_diff_bpm4eX_slope vs slug



Right In: -25.215+/-0.043 χ^2/NDF : 310669.3/5

Left Out: -27.892+/-0.032 χ^2/NDF : 549678.9/9

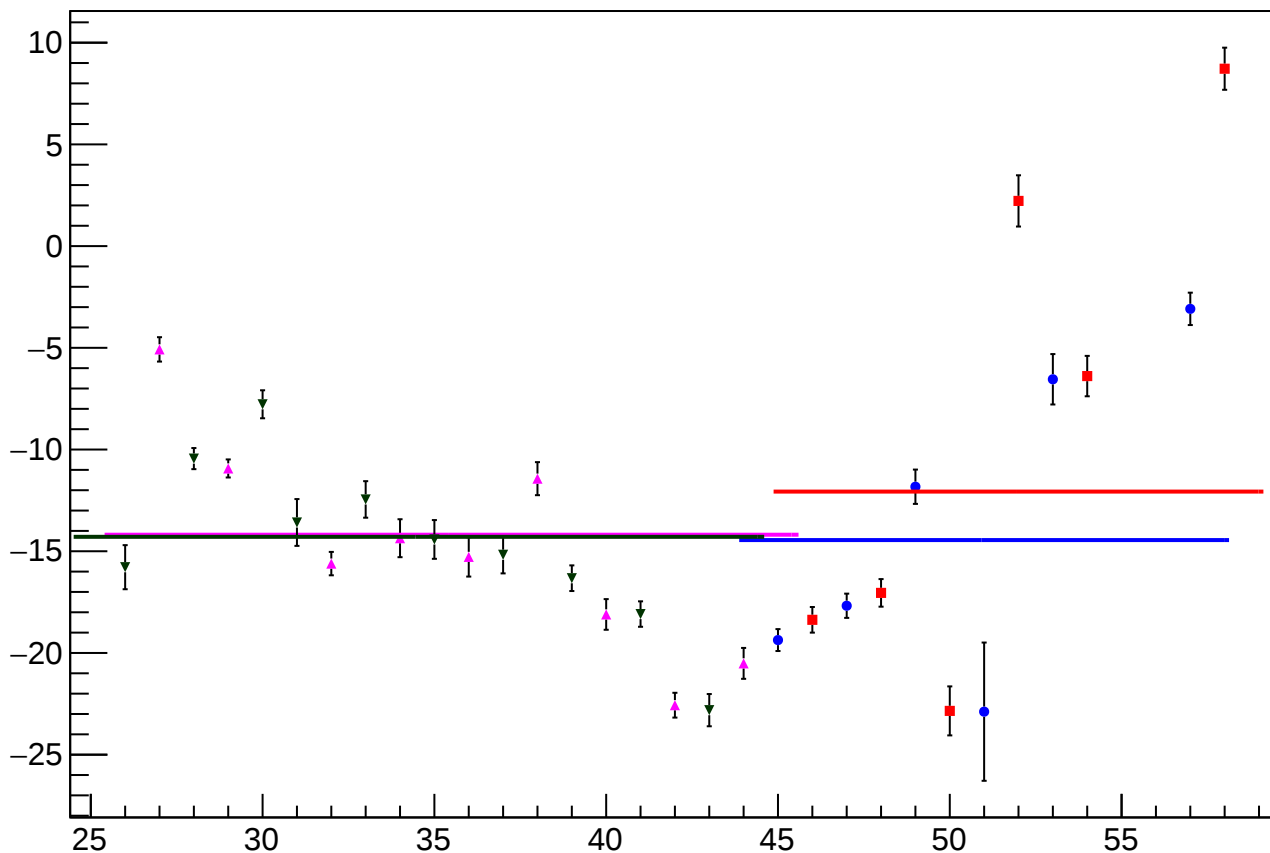
Right Out: -28.186+/-0.048 χ^2/NDF : 311065.7/5

Left In: -36.937+/-0.031 χ^2/NDF : 23653.1/8

-26.960+/-0.026 χ^2/NDF : 862825.2/15

-34.358+/-0.026 χ^2/NDF : 358557.9/14

reg_asym_at1_avg_diff_bpm4eY_slope vs slug



Right In: -14.451 ± 0.316 χ^2/NDF : 373.1/5

Left Out: -14.291 ± 0.238 χ^2/NDF : 314.9/9

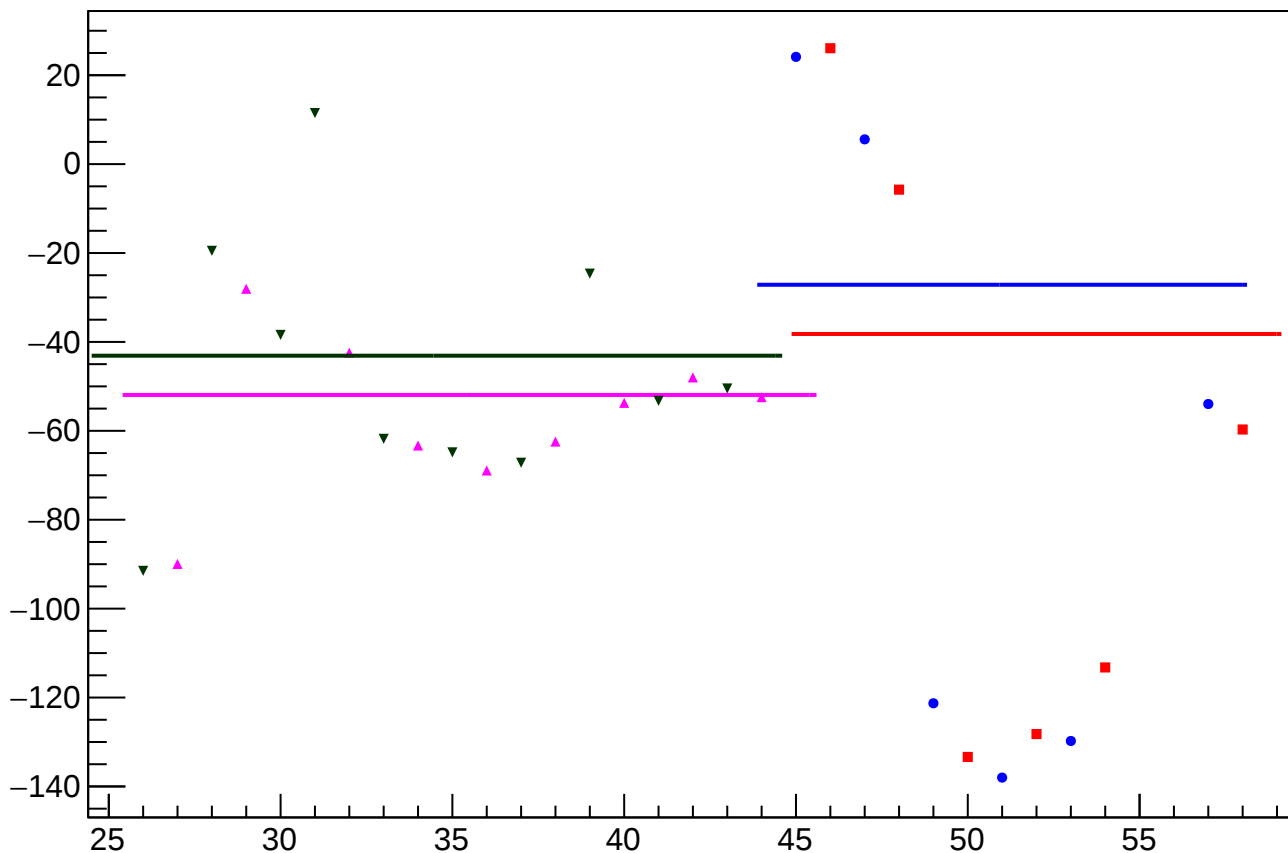
Right Out: -12.067 ± 0.354 χ^2/NDF : 798.8/5

Left In: -14.187 ± 0.219 χ^2/NDF : 589.2/8

-14.348 ± 0.190 χ^2/NDF : 688.1/15

-13.600 ± 0.186 χ^2/NDF : 1414.0/14

reg_asym_at1_avg_diff_bpm11X_slope vs slug



Right In: -27.141 ± 0.062 χ^2/NDF : 906135.7/5

Left Out: -43.100 ± 0.044 χ^2/NDF : 296352.7/9

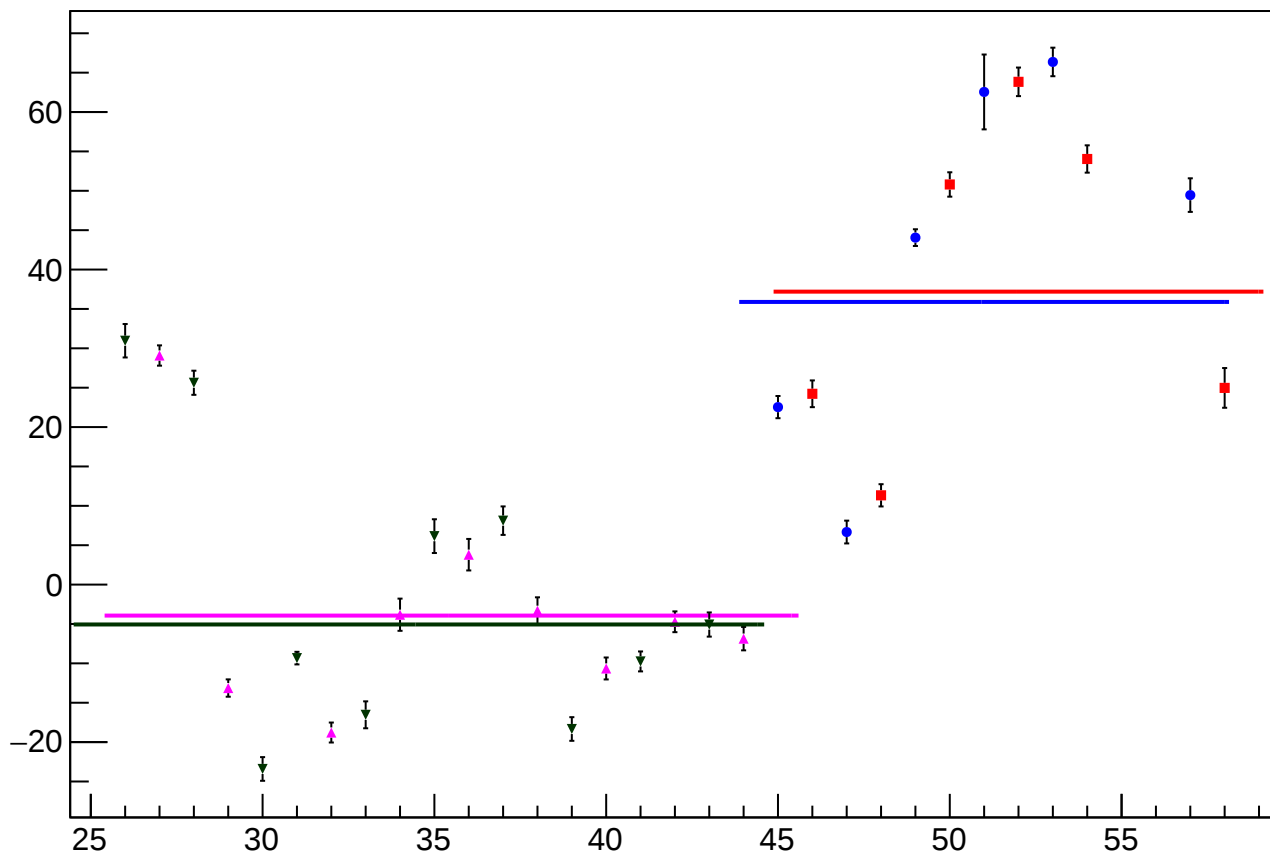
Right Out: -38.209 ± 0.068 χ^2/NDF : 824382.2/5

Left In: -51.929 ± 0.046 χ^2/NDF : 149071.1/8

-37.753 ± 0.036 χ^2/NDF : 1246521.8/15

-47.660 ± 0.038 χ^2/NDF : 1001499.2/14

reg_asym_at1_dd_diff_bpm4aX_slope vs slug



Right In: 35.889 ± 0.641 χ^2/NDF : 911.3/5

Left Out: -5.063 ± 0.447 χ^2/NDF : 1084.1/9

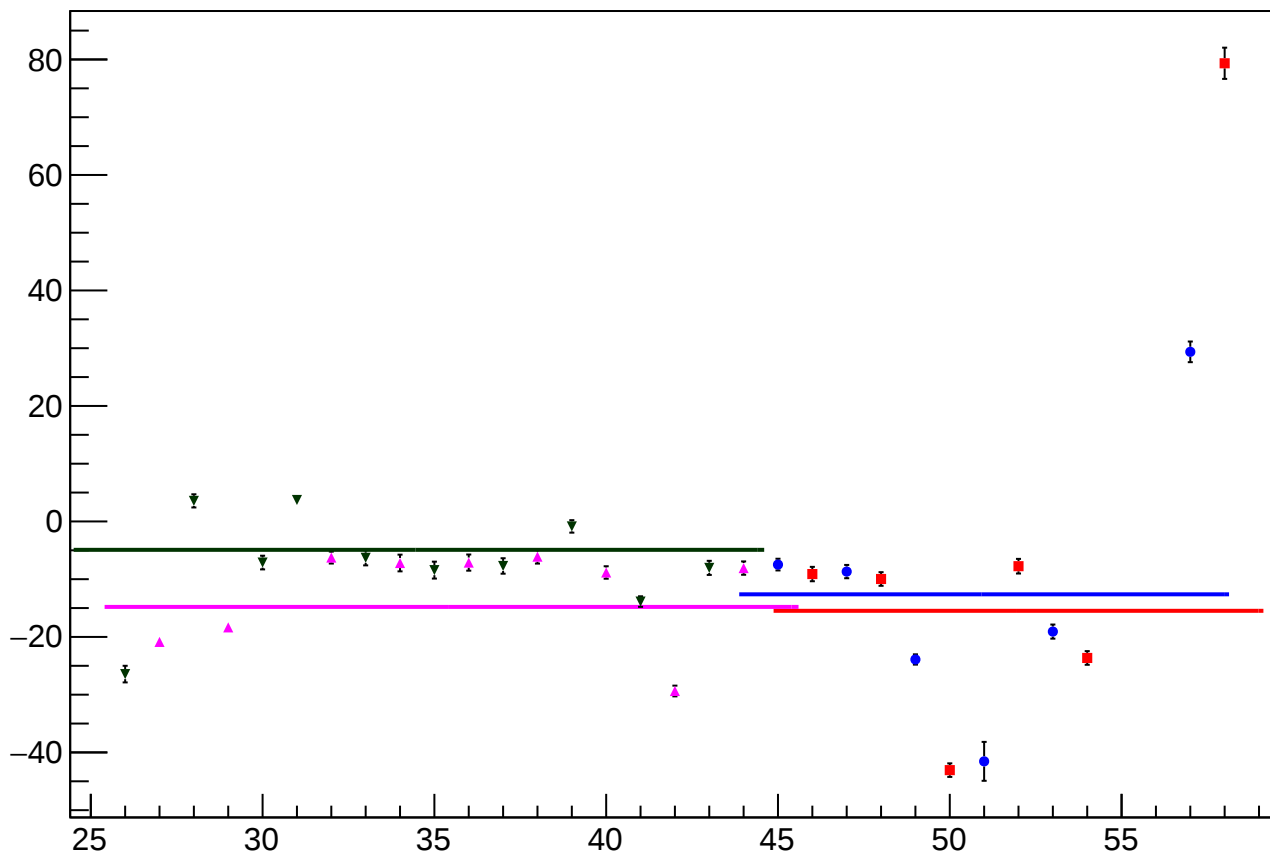
Right Out: 37.196 ± 0.697 χ^2/NDF : 804.3/5

Left In: -3.935 ± 0.475 χ^2/NDF : 906.7/8

8.335 ± 0.366 χ^2/NDF : 4745.0/15

9.126 ± 0.393 χ^2/NDF : 4088.2/14

reg_asym_at1_dd_diff_bpm4aY_slope vs slug



Right In: -12.621 ± 0.497 $\chi^2/\text{NDF}: 850.6/5$

Left Out: -4.917 ± 0.344 $\chi^2/\text{NDF}: 572.7/9$

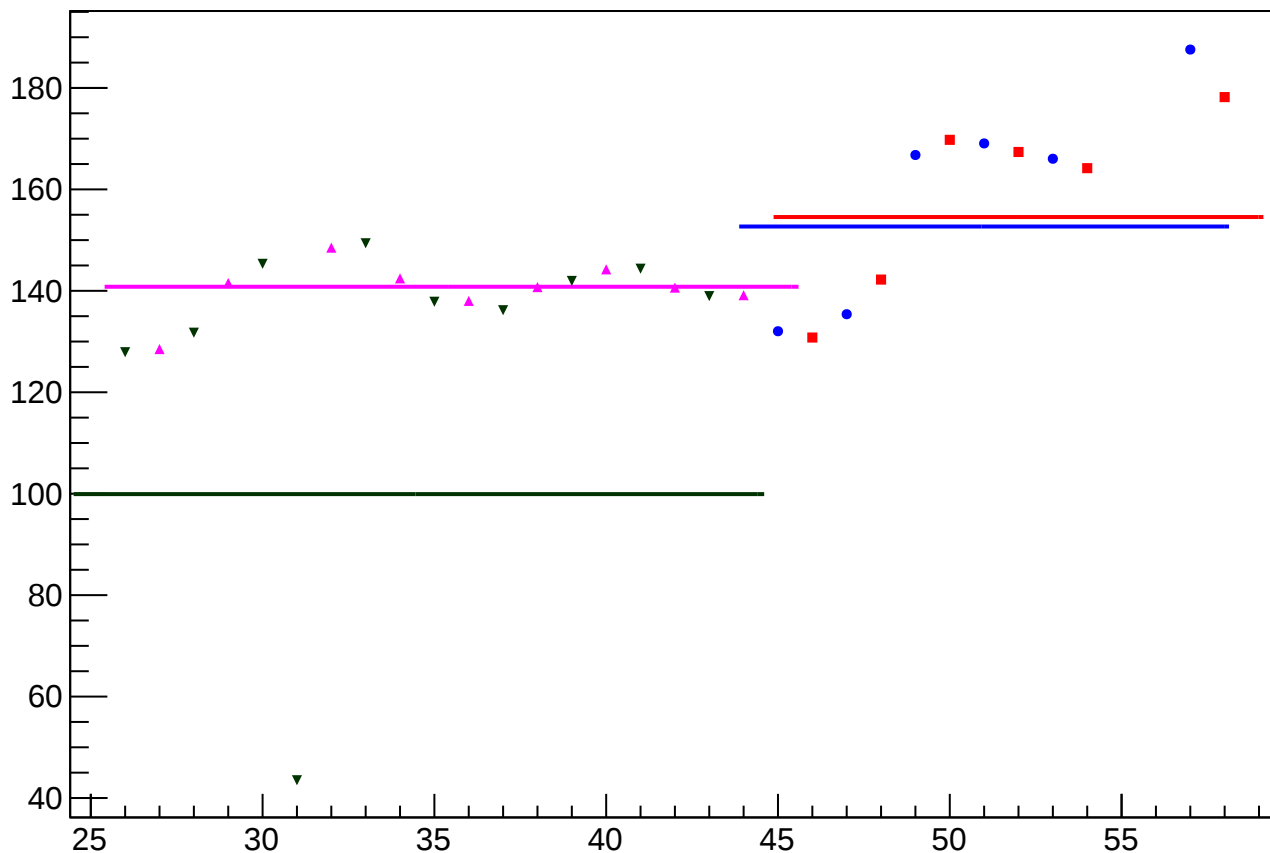
Right Out: -15.477 ± 0.530 $\chi^2/\text{NDF}: 1914.6/5$

Left In: -14.801 ± 0.344 $\chi^2/\text{NDF}: 564.9/8$

-7.413 ± 0.283 $\chi^2/\text{NDF}: 1586.0/15$

-15.002 ± 0.289 $\chi^2/\text{NDF}: 2480.7/14$

reg_asym_at1_dd_diff_bpm4eX_slope vs slug



Right In: 152.681 $\pm$ 0.115 χ^2/NDF : 28606.8/5

Left Out: 99.920 $\pm$ 0.069 χ^2/NDF : 483835.4/9

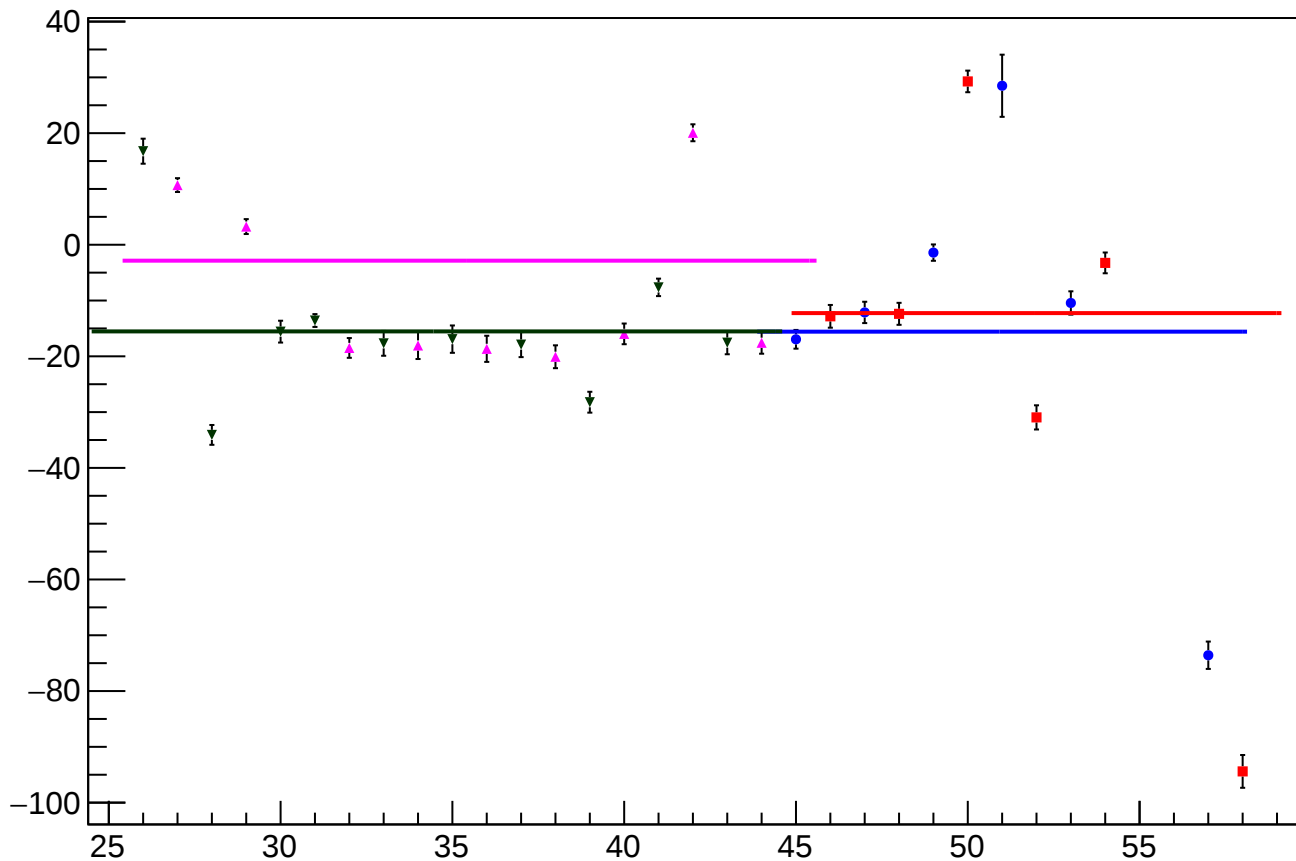
Right Out: 154.551 $\pm$ 0.119 χ^2/NDF : 19456.2/5

Left In: 140.804 $\pm$ 0.082 χ^2/NDF : 4715.7/8

113.962 $\pm$ 0.059 χ^2/NDF : 668204.3/15

145.213 $\pm$ 0.068 χ^2/NDF : 33161.1/14

reg_asym_at1_dd_diff_bpm4eY_slope vs slug



Right In: -15.580 ± 0.811 χ^2/NDF : 725.4/5

Left Out: -15.534 ± 0.575 χ^2/NDF : 393.8/9

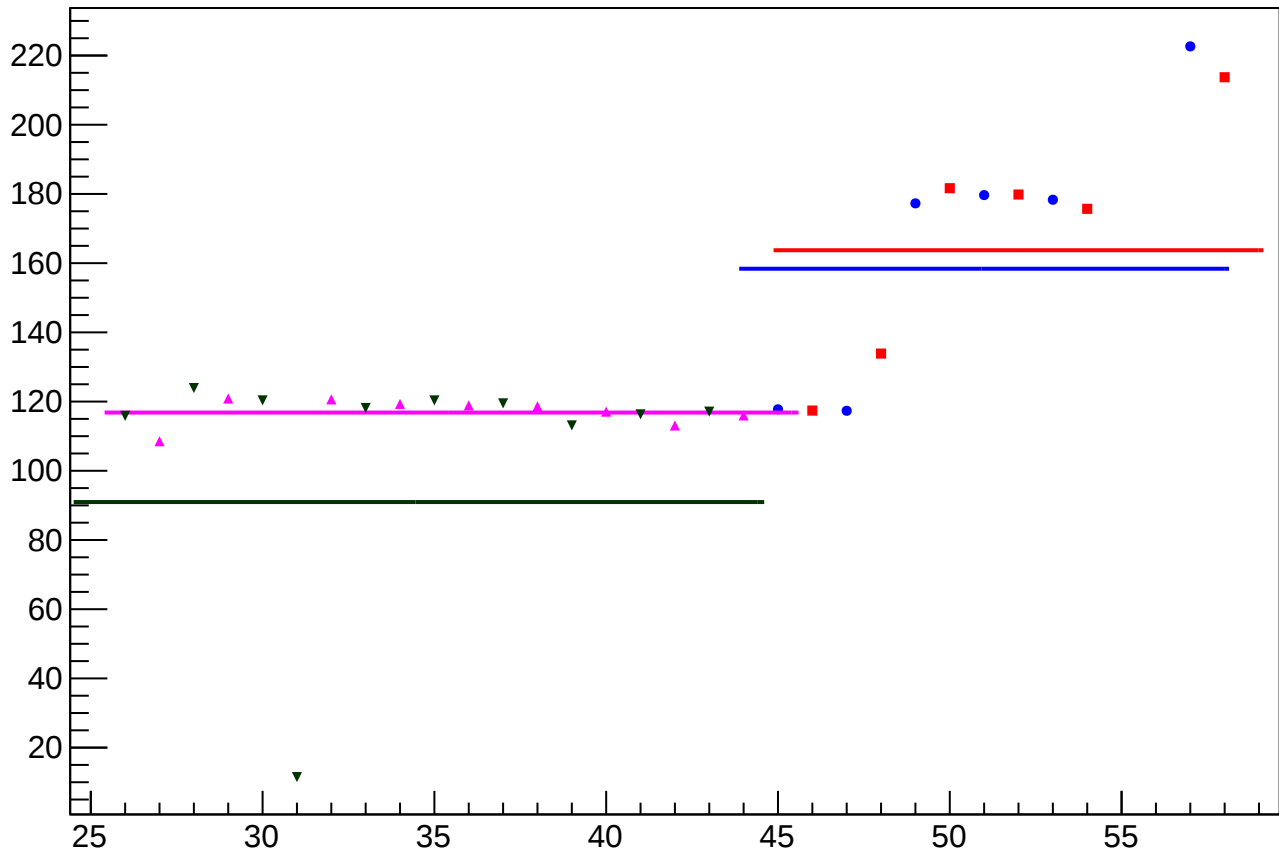
Right Out: -12.253 ± 0.851 χ^2/NDF : 1338.7/5

Left In: -2.855 ± 0.568 χ^2/NDF : 707.5/8

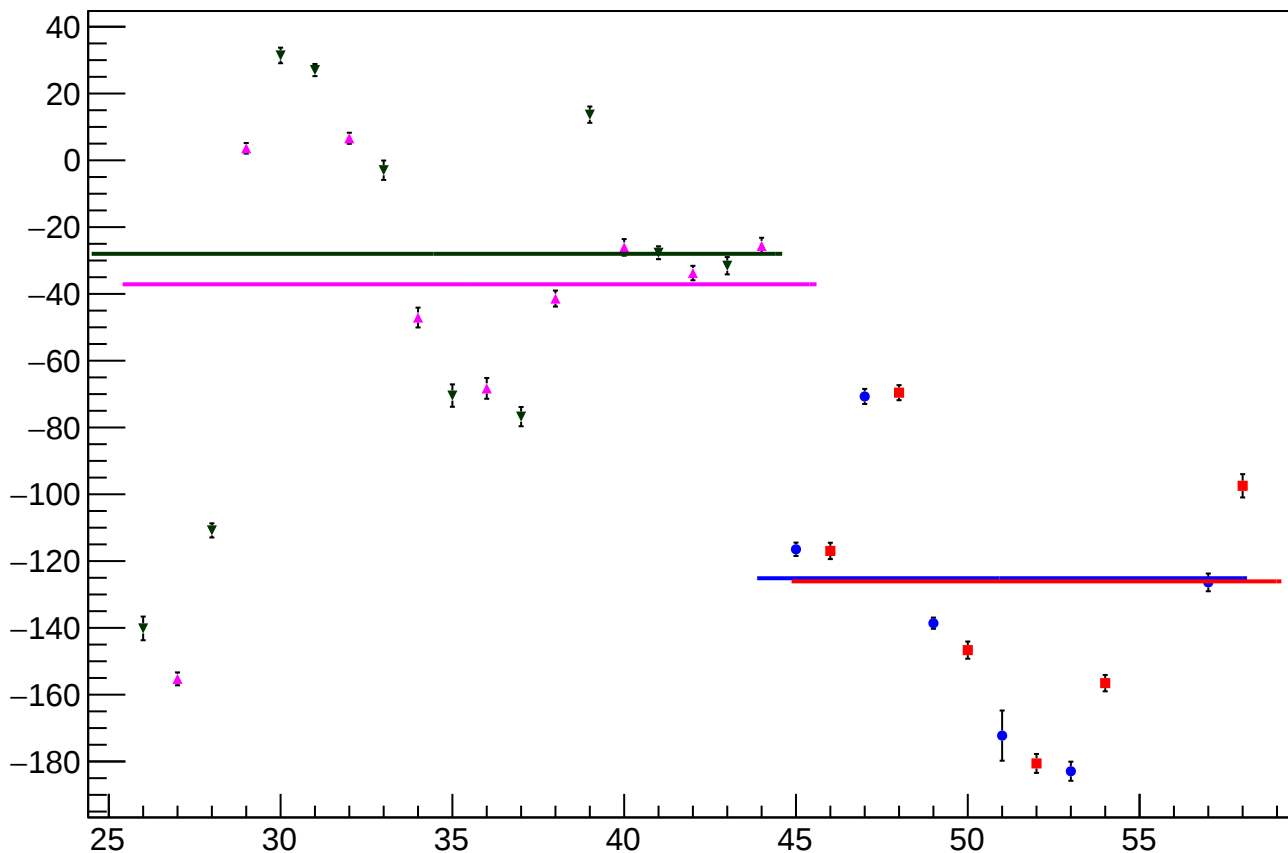
-15.549 ± 0.469 χ^2/NDF : 1119.2/15

-5.752 ± 0.472 χ^2/NDF : 2130.6/14

reg_asym_at1_dd_diff_bpm11X_slope vs slug



reg_asym_at2_avg_diff_bpm4aX_slope vs slug



Right In: -125.139+/-0.962 χ^2/NDF : 1109.7/5

Left Out: -27.991+/-0.766 χ^2/NDF : 4906.9/9

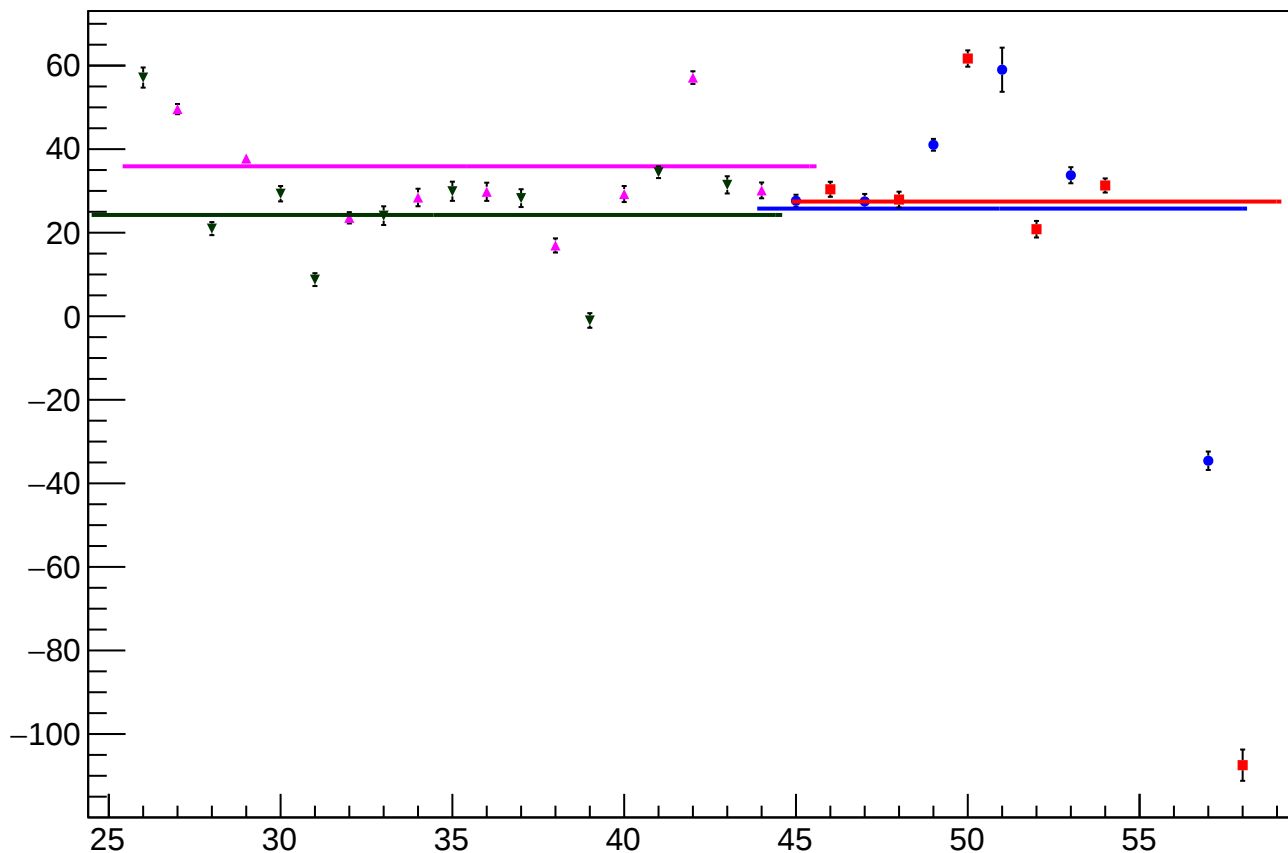
Right Out: -126.070+/-1.063 χ^2/NDF : 1292.3/5

Left In: -37.121+/-0.714 χ^2/NDF : 5219.8/8

-65.709+/-0.599 χ^2/NDF : 12255.5/15

-64.790+/-0.593 χ^2/NDF : 11335.0/14

reg_asym_at2_avg_diff_bpm4aY_slope vs slug



Right In: 25.768 $\pm$ 0.745 χ^2 /NDF: 926.4/5

Left Out: 24.247 $\pm$ 0.579 χ^2 /NDF: 582.0/9

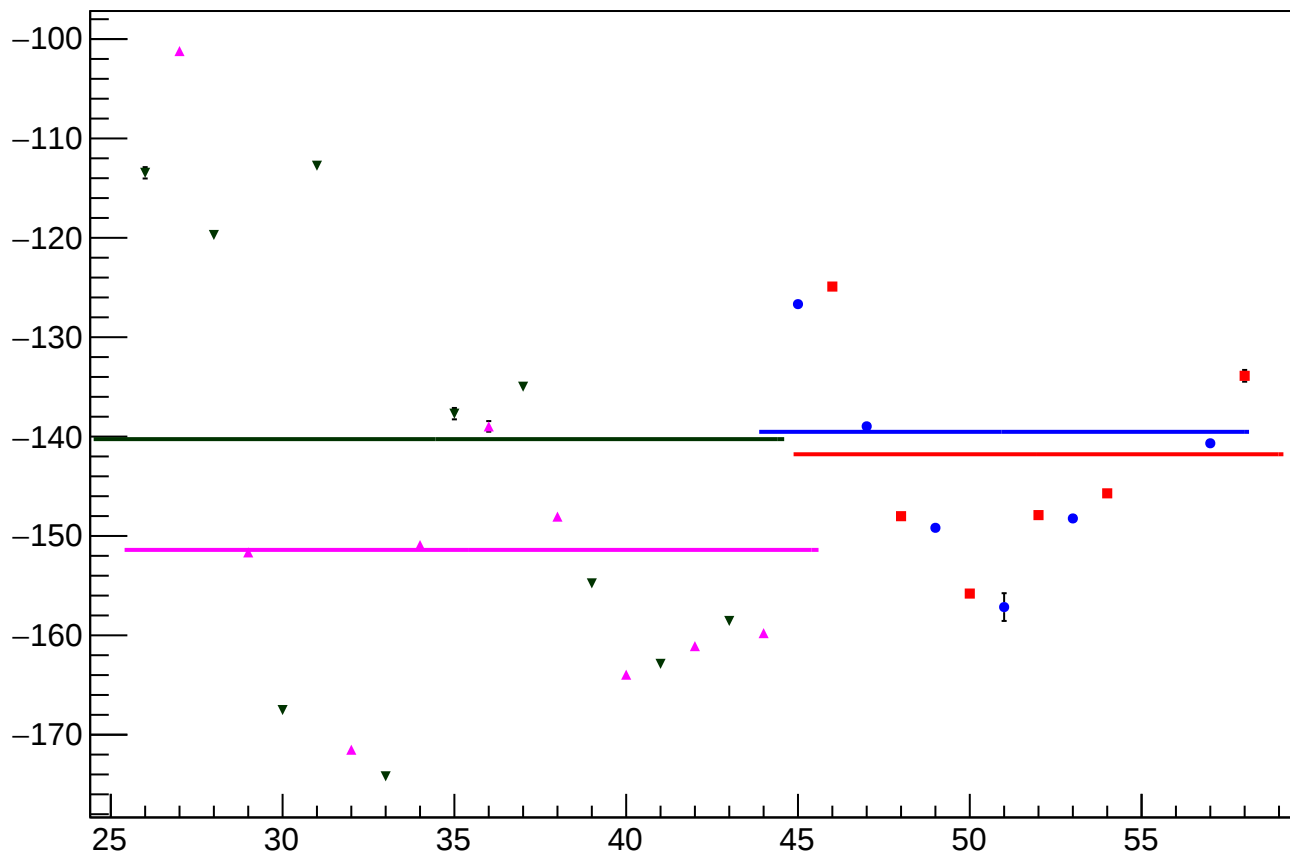
Right Out: 27.455 $\pm$ 0.809 χ^2 /NDF: 1625.9/5

Left In: 35.888 $\pm$ 0.522 χ^2 /NDF: 574.5/8

24.820 $\pm$ 0.457 χ^2 /NDF: 1510.9/15

33.413 $\pm$ 0.438 χ^2 /NDF: 2277.1/14

reg_asym_at2_avg_diff_bpm4eX_slope vs slug



Right In: -139.522+/-0.171 χ^2/NDF : 2874.0/5

Left Out: -140.257+/-0.122 χ^2/NDF : 36380.6/9

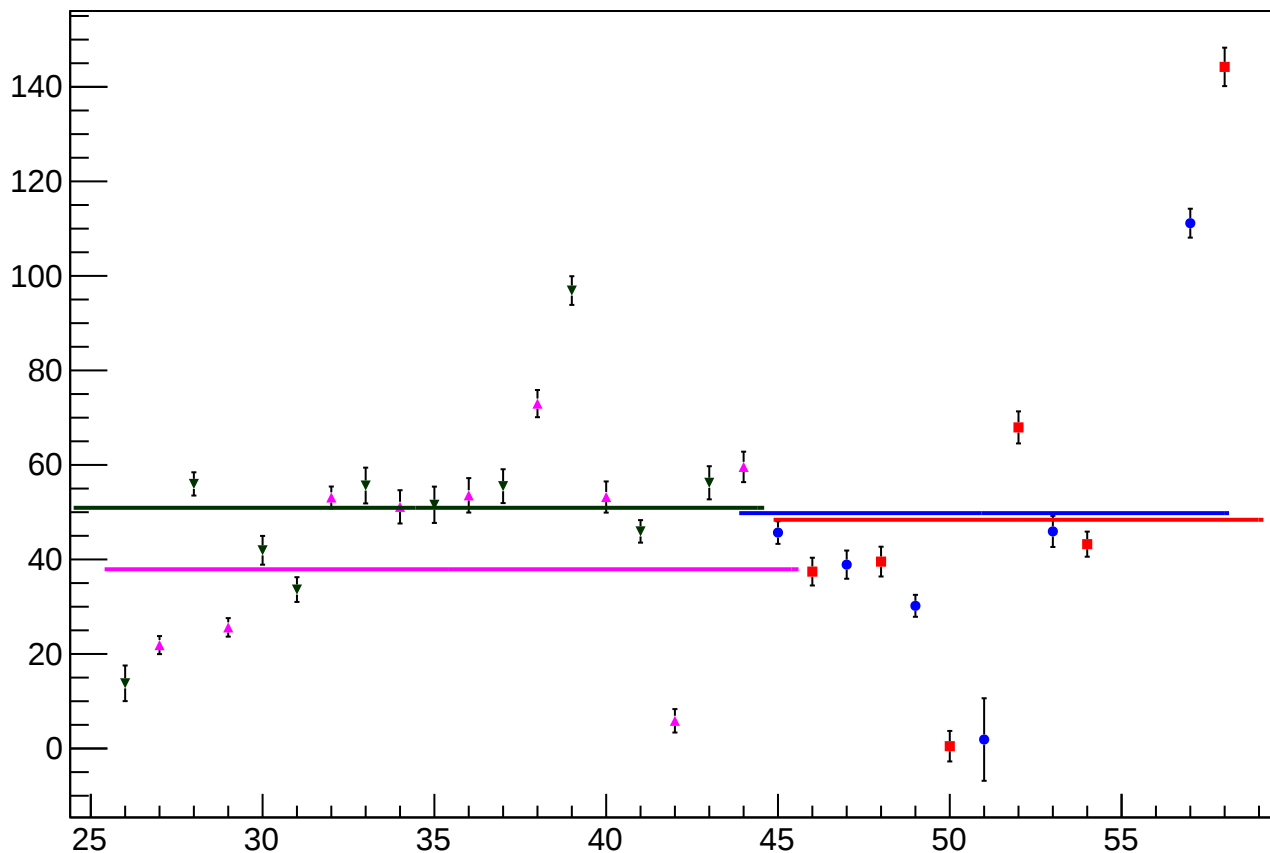
Right Out: -141.779+/-0.180 χ^2/NDF : 3549.7/5

Left In: -151.403+/-0.122 χ^2/NDF : 30317.9/8

-140.008+/-0.099 χ^2/NDF : 39266.8/15

-148.372+/-0.101 χ^2/NDF : 35825.6/14

reg_asym_at2_avg_diff_bpm4eY_slope vs slug



Right In: 49.801+/-1.208 χ^2/NDF : 521.9/5

Left Out: 50.929+/-0.966 χ^2/NDF : 393.0/9

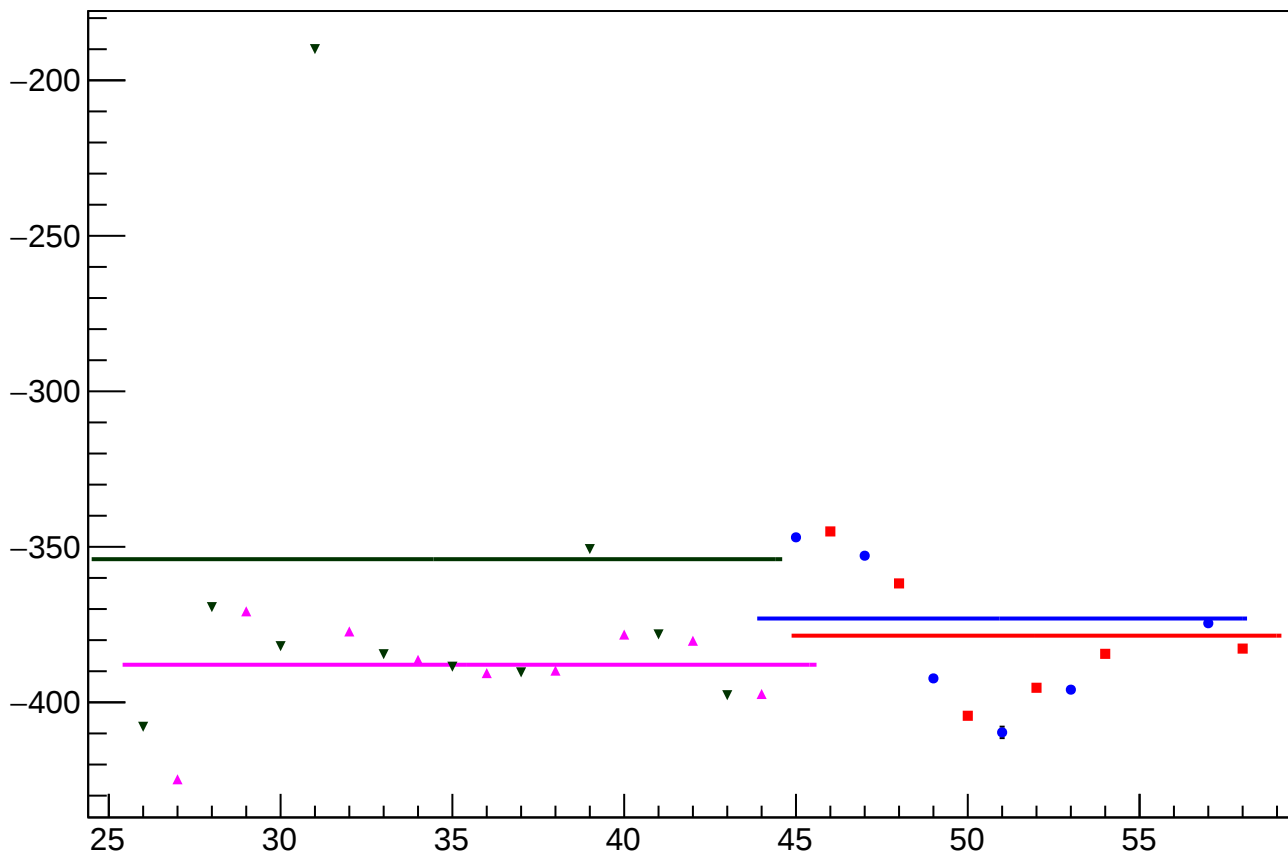
Right Out: 48.397+/-1.289 χ^2/NDF : 834.0/5

Left In: 37.924+/-0.861 χ^2/NDF : 567.9/8

50.489+/-0.754 χ^2/NDF : 915.4/15

41.153+/-0.716 χ^2/NDF : 1447.6/14

reg_asym_at2_avg_diff_bpm11X_slope vs slug



Right In: -373.049+/-0.235 χ^2/NDF : 7937.3/5

Left Out: -353.970+/-0.179 χ^2/NDF : 148485.8/9

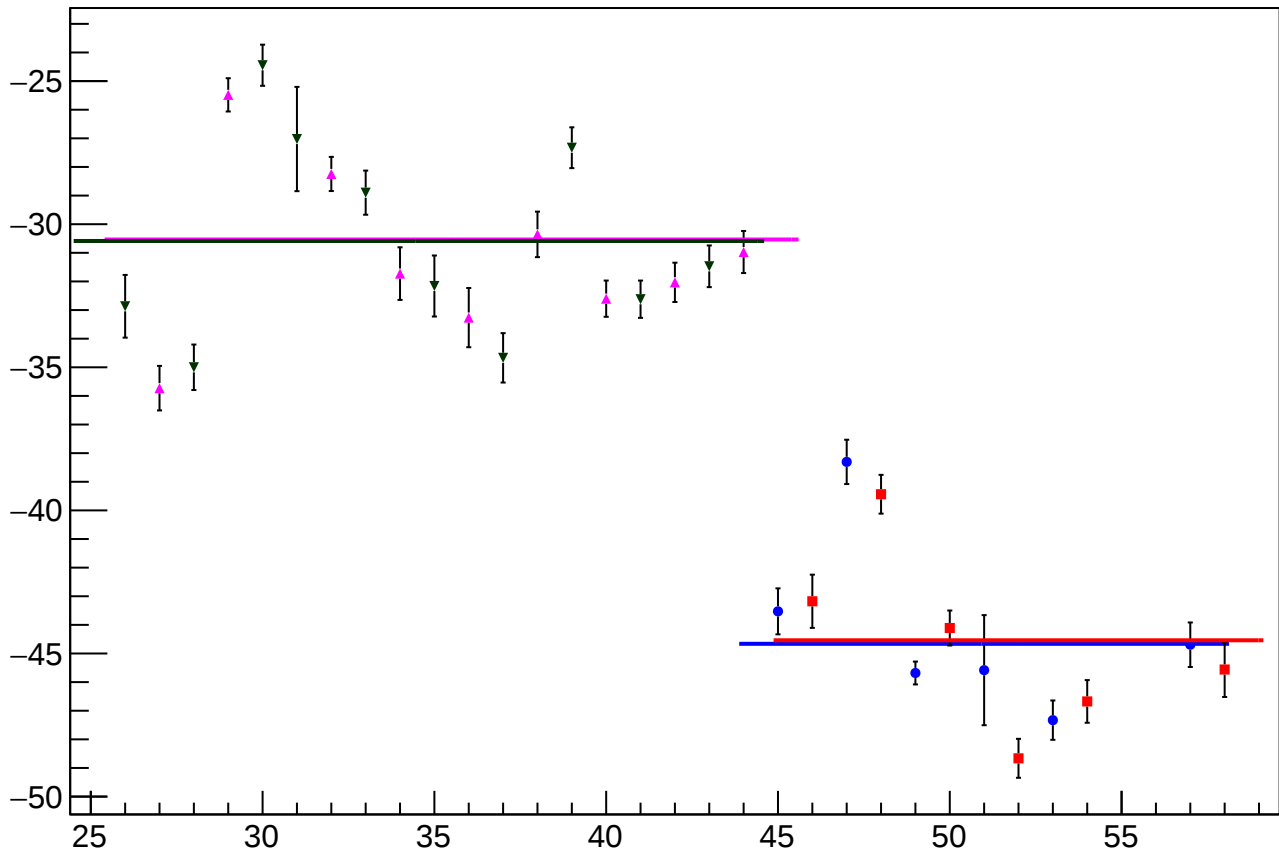
Right Out: -378.563+/-0.247 χ^2/NDF : 7073.2/5

Left In: -387.911+/-0.183 χ^2/NDF : 8311.6/8

-360.984+/-0.142 χ^2/NDF : 160599.2/15

-384.602+/-0.147 χ^2/NDF : 16313.4/14

reg_asym_at2_dd_diff_bpm4aX_slope vs slug



Right In: -44.662 +/- 0.272 χ^2/NDF : 91.2/5

Left Out: -30.587 +/- 0.260 χ^2/NDF : 173.5/9

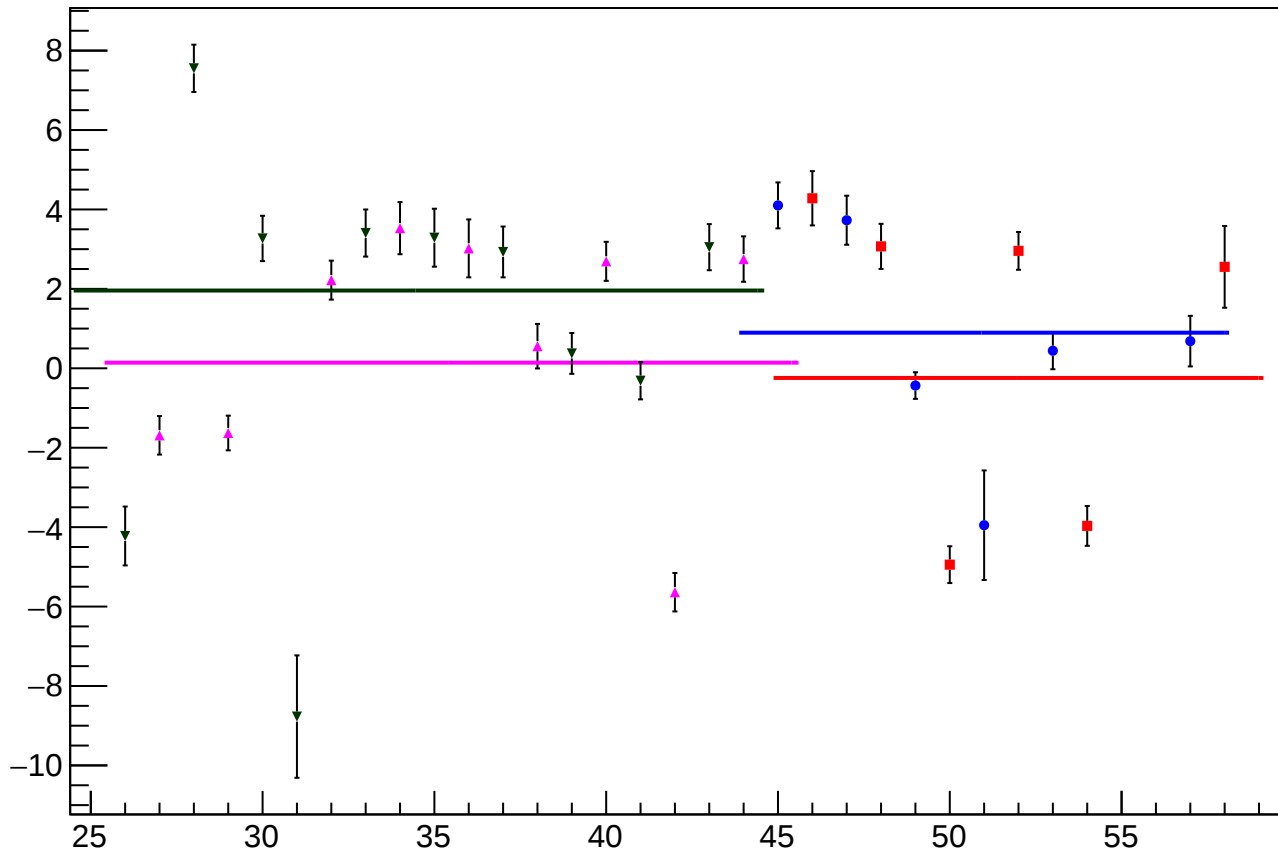
Right Out: -44.539 +/- 0.301 χ^2/NDF : 105.5/5

Left In: -30.535 +/- 0.239 χ^2/NDF : 159.3/8

-37.316 +/- 0.188 χ^2/NDF : 1663.6/15

-35.943 +/- 0.187 χ^2/NDF : 1596.0/14

reg_asym_at2_dd_diff_bpm4aY_slope vs slug



Right In: 0.897 ± 0.213 $\chi^2/\text{NDF}: 80.9/5$

Left Out: 1.958 ± 0.194 $\chi^2/\text{NDF}: 259.6/9$

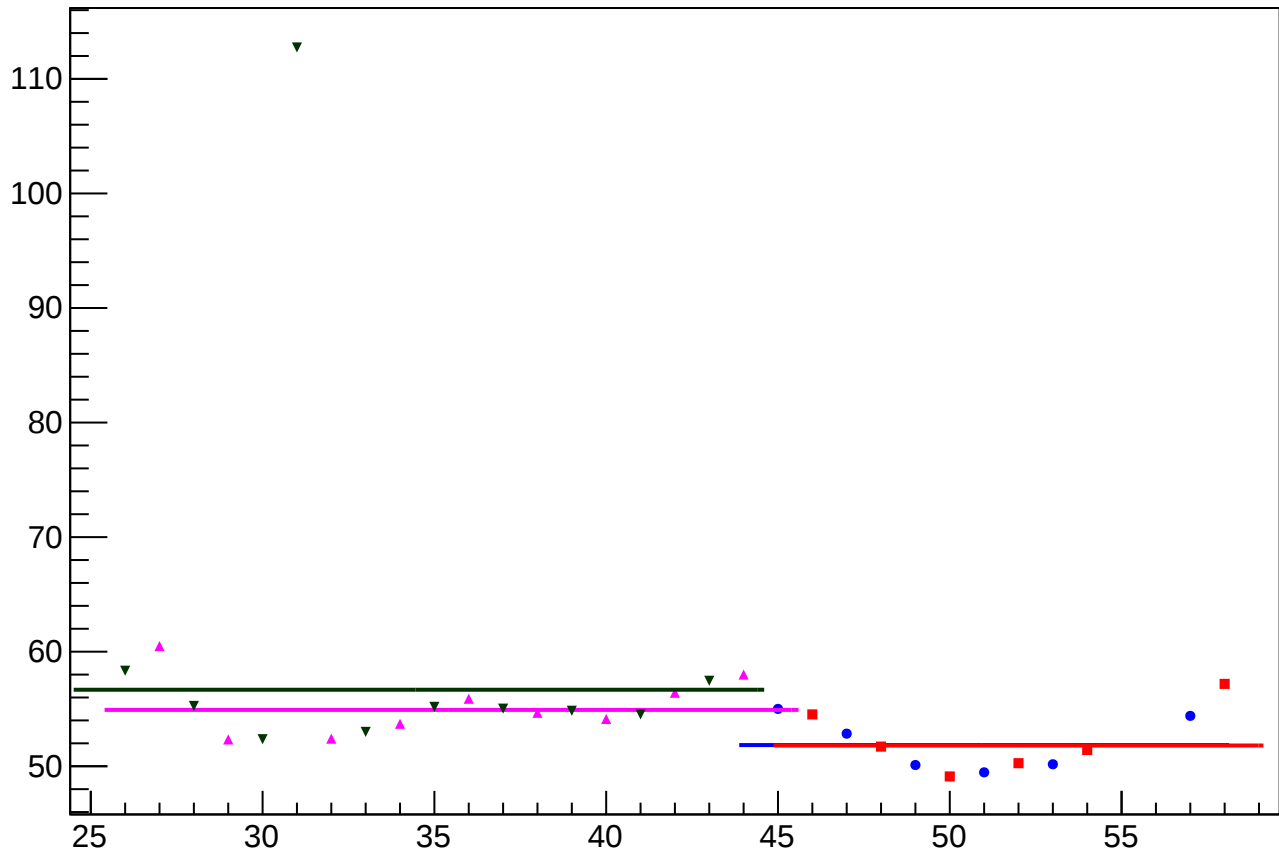
Right Out: -0.243 ± 0.228 $\chi^2/\text{NDF}: 288.6/5$

Left In: 0.142 ± 0.175 $\chi^2/\text{NDF}: 282.1/8$

1.476 ± 0.143 $\chi^2/\text{NDF}: 354.1/15$

-0.001 ± 0.139 $\chi^2/\text{NDF}: 572.5/14$

reg_asym_at2_dd_diff_bpm4eX_slope vs slug



Right In: 51.848 +/- 0.050 χ^2/NDF : 1710.4/5

Left Out: 56.677 +/- 0.043 χ^2/NDF : 56330.1/9

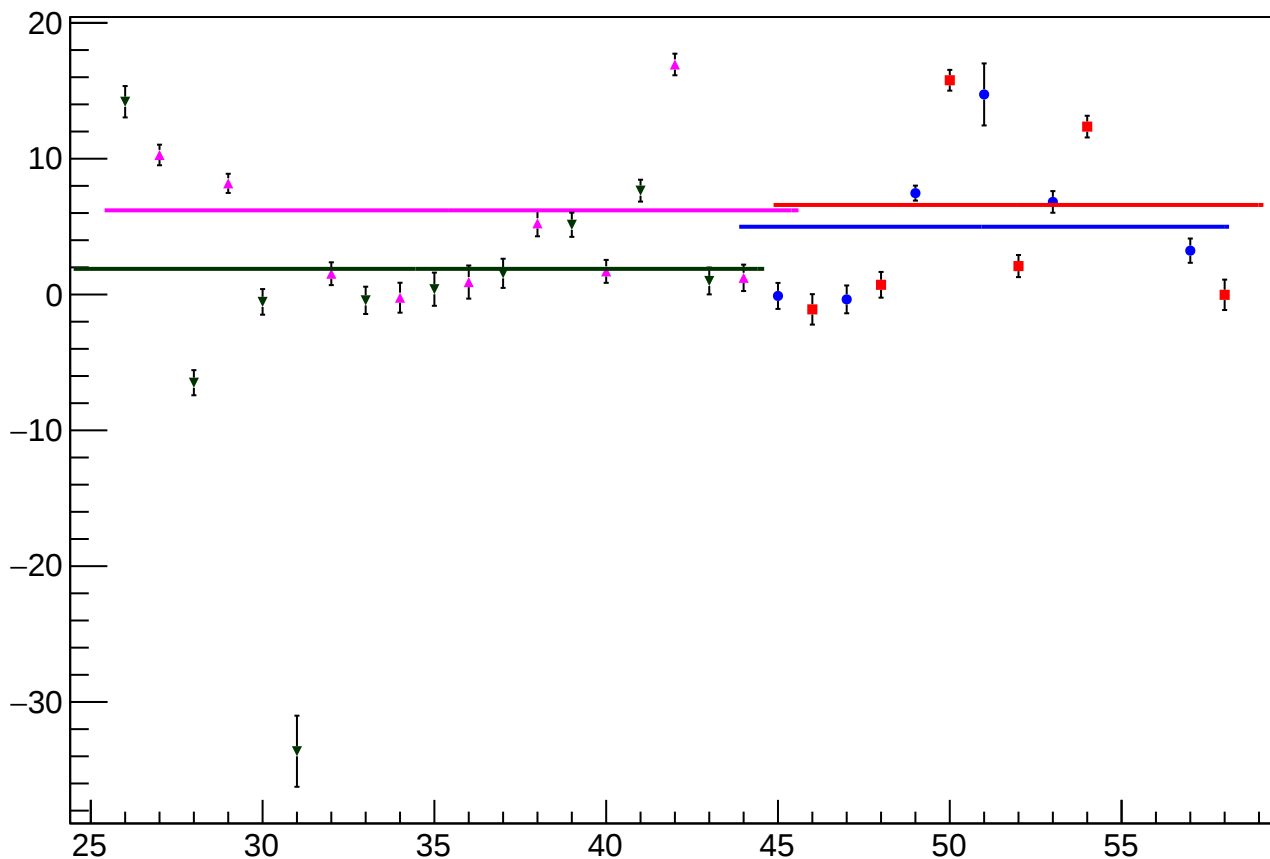
Right Out: 51.811 +/- 0.052 χ^2/NDF : 2181.0/5

Left In: 54.917 +/- 0.041 χ^2/NDF : 3795.7/8

54.616 +/- 0.033 χ^2/NDF : 63383.2/15

53.737 +/- 0.032 χ^2/NDF : 8172.8/14

reg_asym_at2_dd_diff_bpm4eY_slope vs slug



Right In: 4.991 ± 0.346 χ^2/NDF : 103.0/5

Left Out: 1.889 ± 0.324 χ^2/NDF : 458.6/9

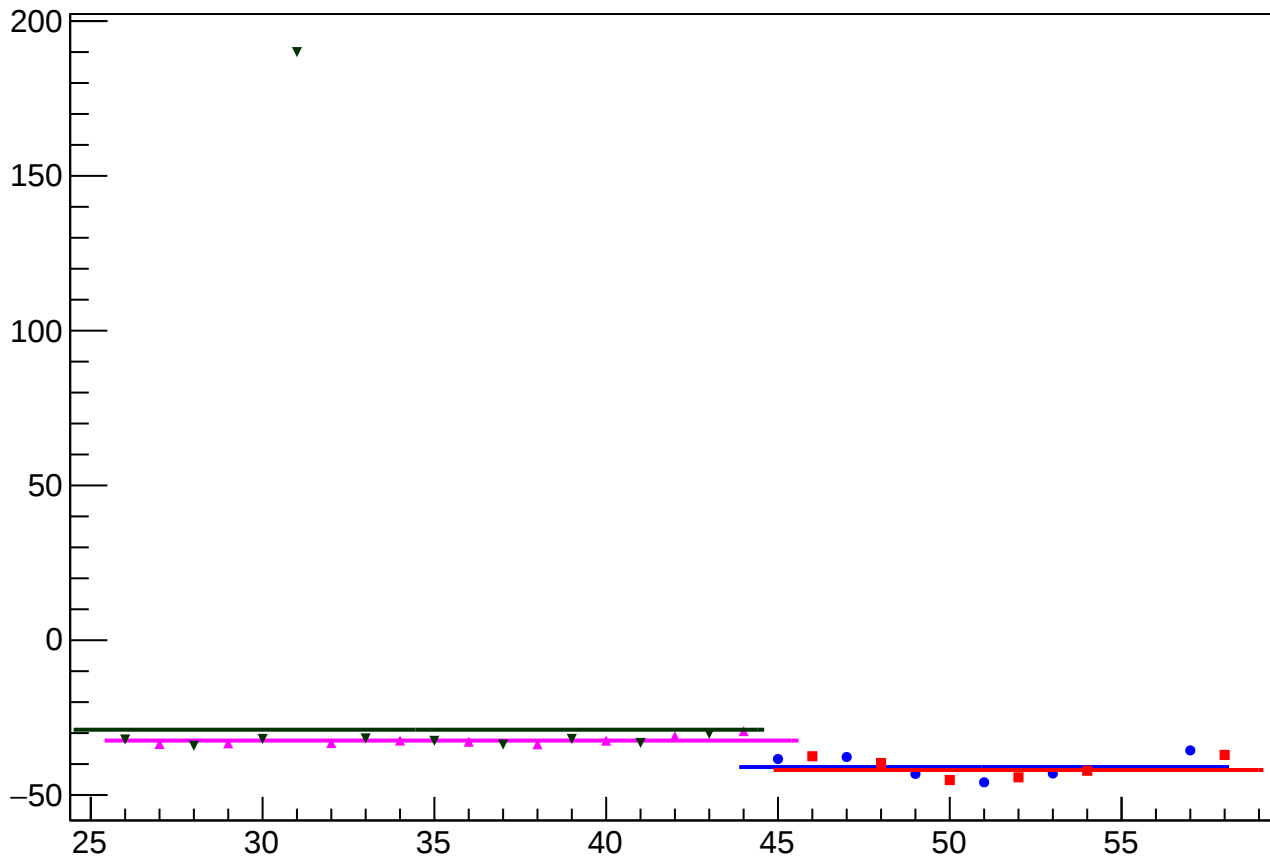
Right Out: 6.595 ± 0.365 χ^2/NDF : 347.5/5

Left In: 6.198 ± 0.291 χ^2/NDF : 358.2/8

3.336 ± 0.236 χ^2/NDF : 604.4/15

6.352 ± 0.228 χ^2/NDF : 706.4/14

reg_asym_at2_dd_diff_bpm11X_slope vs slug



Right In: -40.968 ± 0.066 χ^2/NDF : 2121.4/5

Left Out: -28.904 ± 0.059 χ^2/NDF : 220574.6/9

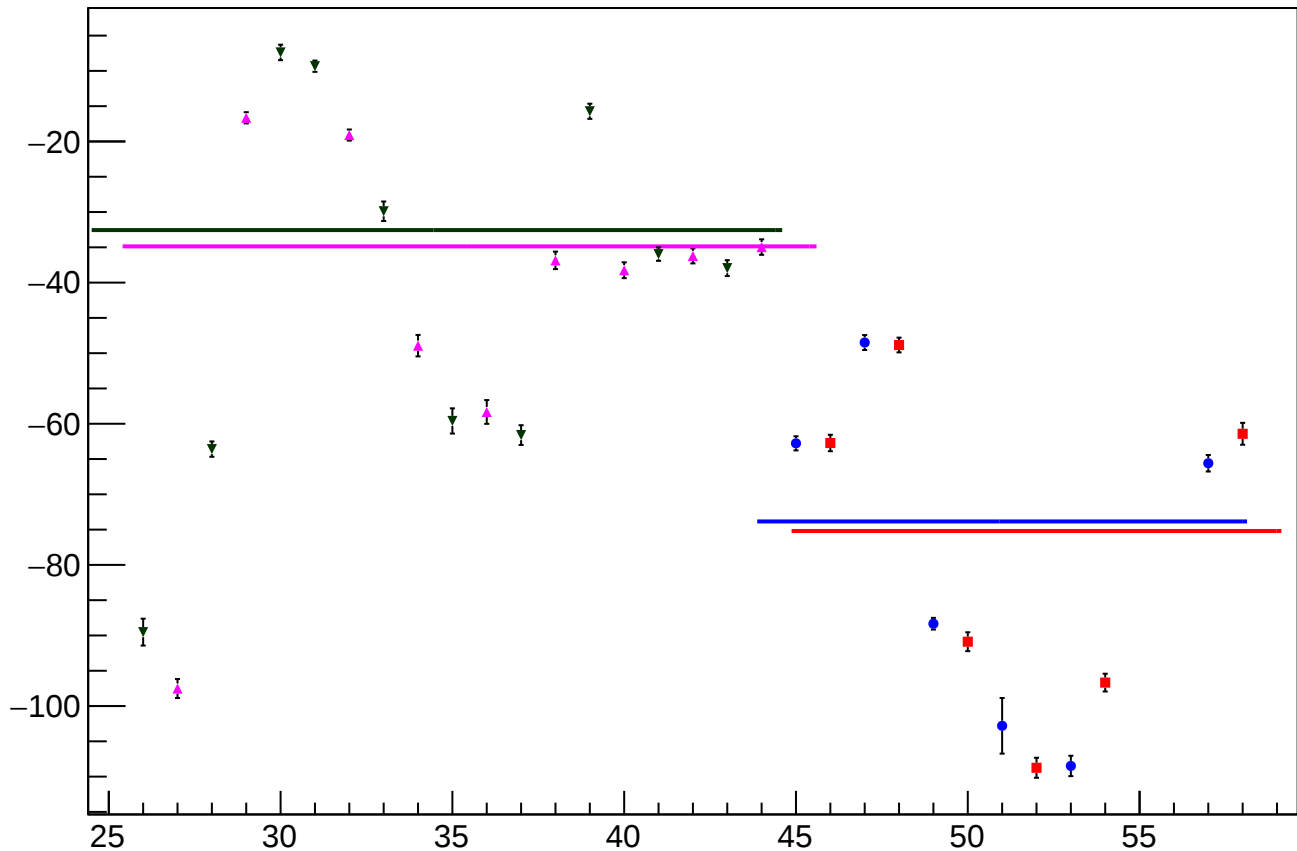
Right Out: -41.916 ± 0.068 χ^2/NDF : 2035.8/5

Left In: -32.407 ± 0.060 χ^2/NDF : 448.7/8

-34.183 ± 0.044 χ^2/NDF : 241264.9/15

-36.552 ± 0.045 χ^2/NDF : 13516.2/14

reg_asym_atl1r2_avg_diff_bpm4aX_slope vs slug



Right In: -73.843 ± 0.465 $\chi^2/\text{NDF}: 1679.5/5$

Left Out: -32.557 ± 0.362 $\chi^2/\text{NDF}: 4020.8/9$

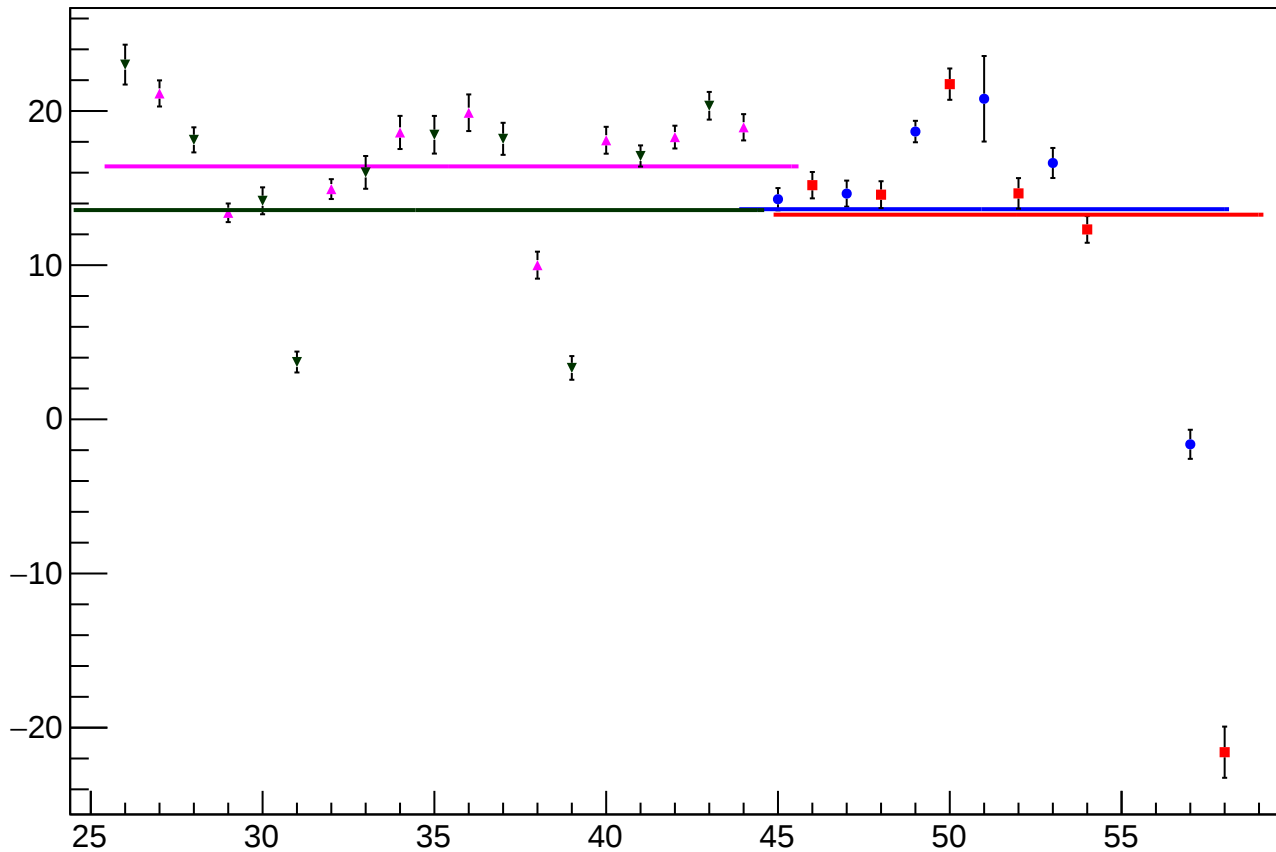
Right Out: -75.194 ± 0.516 $\chi^2/\text{NDF}: 1815.9/5$

Left In: -34.865 ± 0.360 $\chi^2/\text{NDF}: 3392.2/8$

-48.147 ± 0.286 $\chi^2/\text{NDF}: 10601.8/15$

-48.078 ± 0.295 $\chi^2/\text{NDF}: 9312.5/14$

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs slug



Right In: 13.632 $\pm$ 0.361 χ^2/NDF : 332.0/5

Left Out: 13.573 $\pm$ 0.276 χ^2/NDF : 598.2/9

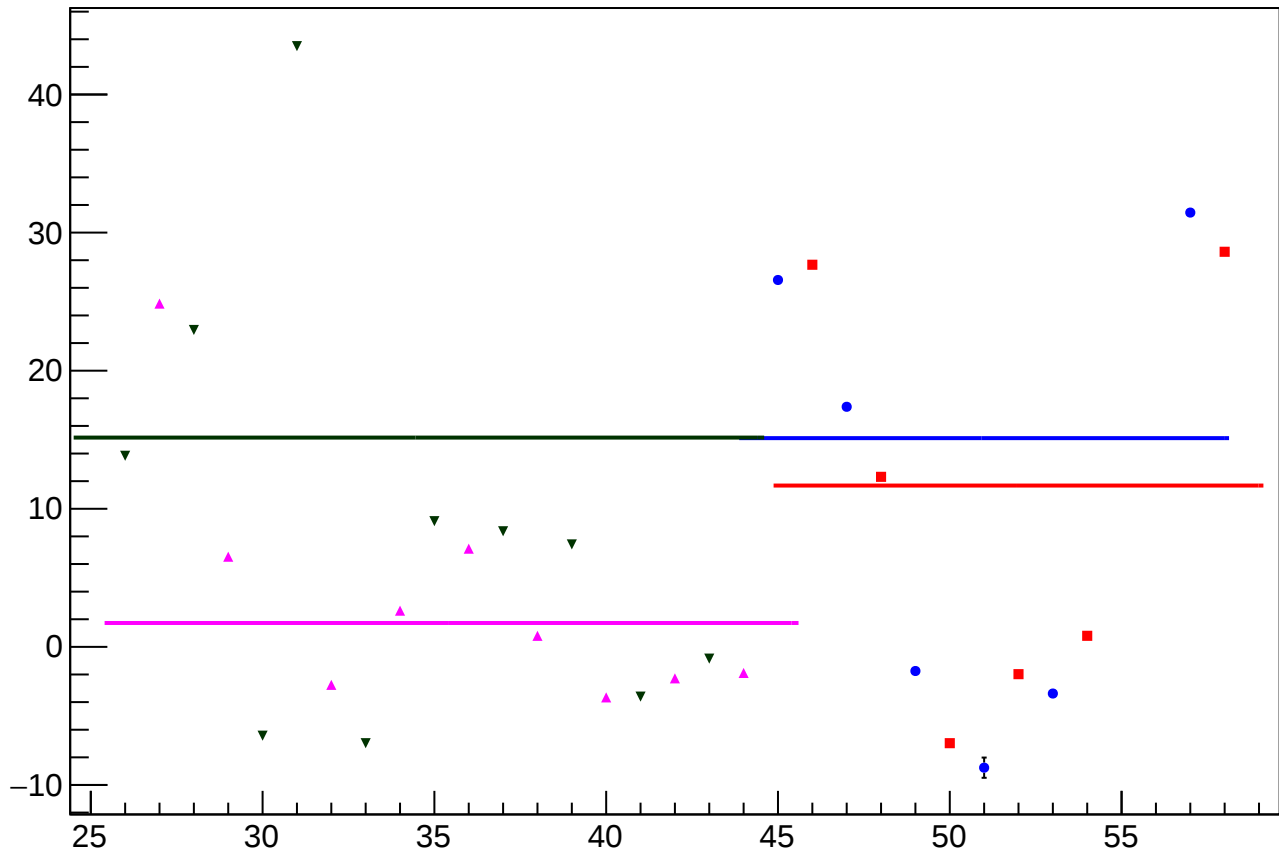
Right Out: 13.275 $\pm$ 0.396 χ^2/NDF : 520.8/5

Left In: 16.407 $\pm$ 0.268 χ^2/NDF : 146.8/8

13.595 $\pm$ 0.219 χ^2/NDF : 930.2/15

15.426 $\pm$ 0.222 χ^2/NDF : 710.4/14

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs slug



Right In: 15.116+/-0.083 χ^2/NDF : 27972.5/5

Left Out: 15.156+/-0.057 χ^2/NDF : 119762.0/9

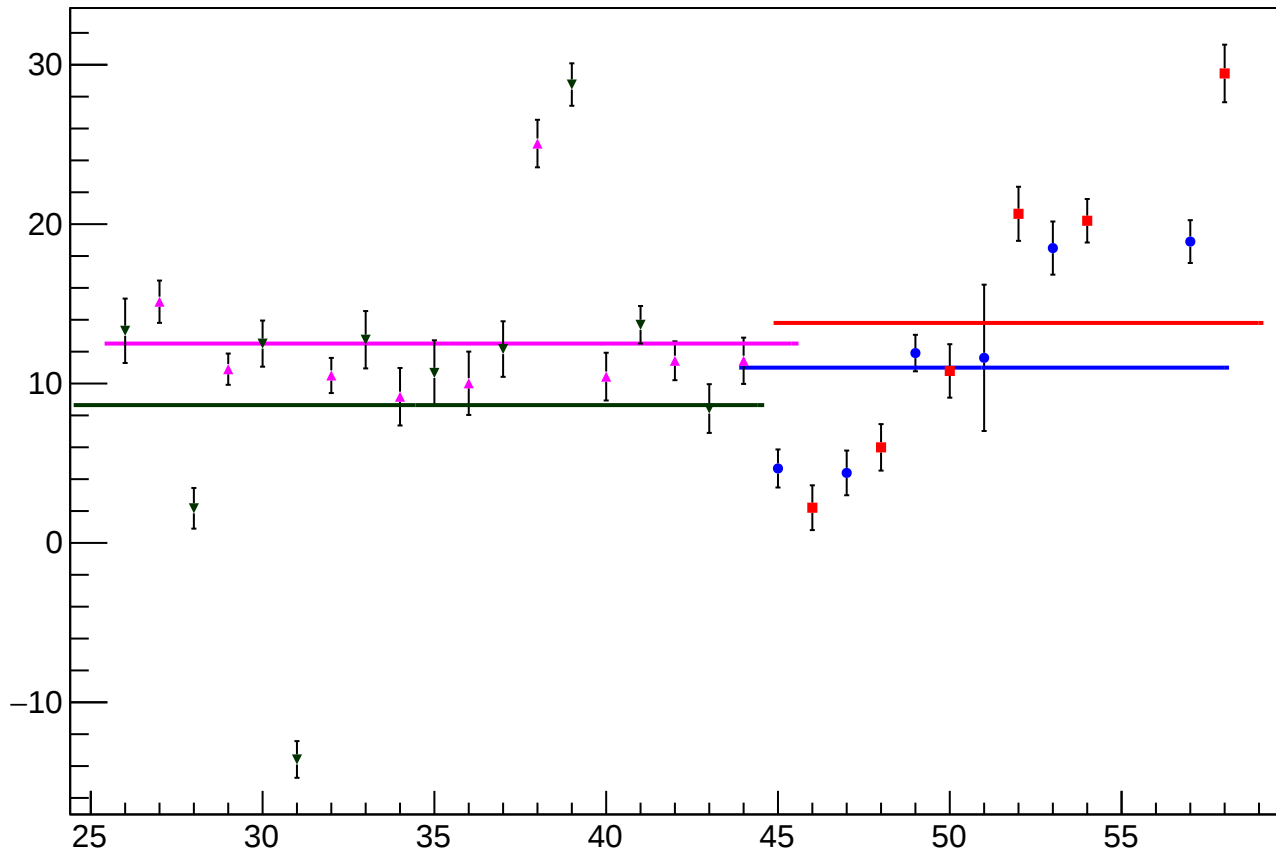
Right Out: 11.682+/-0.087 χ^2/NDF : 23810.7/5

Left In: 1.730+/-0.061 χ^2/NDF : 13843.5/8

15.143+/-0.047 χ^2/NDF : 147734.7/15

5.033+/-0.050 χ^2/NDF : 46399.5/14

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs slug



Right In: 10.998+/-0.584 χ^2/NDF : 105.8/5

Left Out: 8.647+/-0.462 χ^2/NDF : 668.1/9

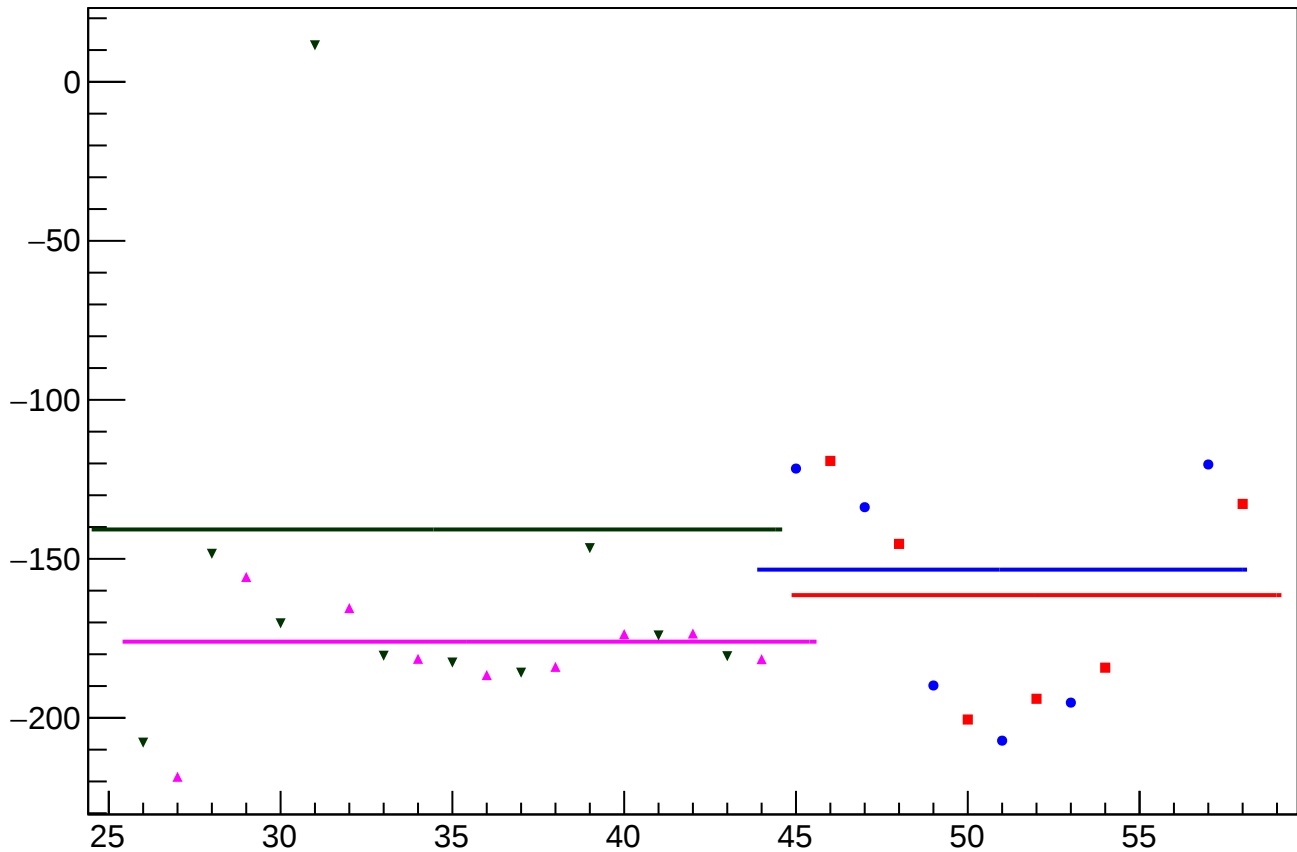
Right Out: 13.802+/-0.630 χ^2/NDF : 213.5/5

Left In: 12.508+/-0.446 χ^2/NDF : 89.0/8

9.553+/-0.362 χ^2/NDF : 783.9/15

12.940+/-0.364 χ^2/NDF : 305.3/14

reg_asym_atl1r2_avg_diff_bpm11X_slope vs slug



Right In: -153.390+/-0.114 χ^2/NDF : 87340.2/5

Left Out: -140.758+/-0.086 χ^2/NDF : 690511.9/9

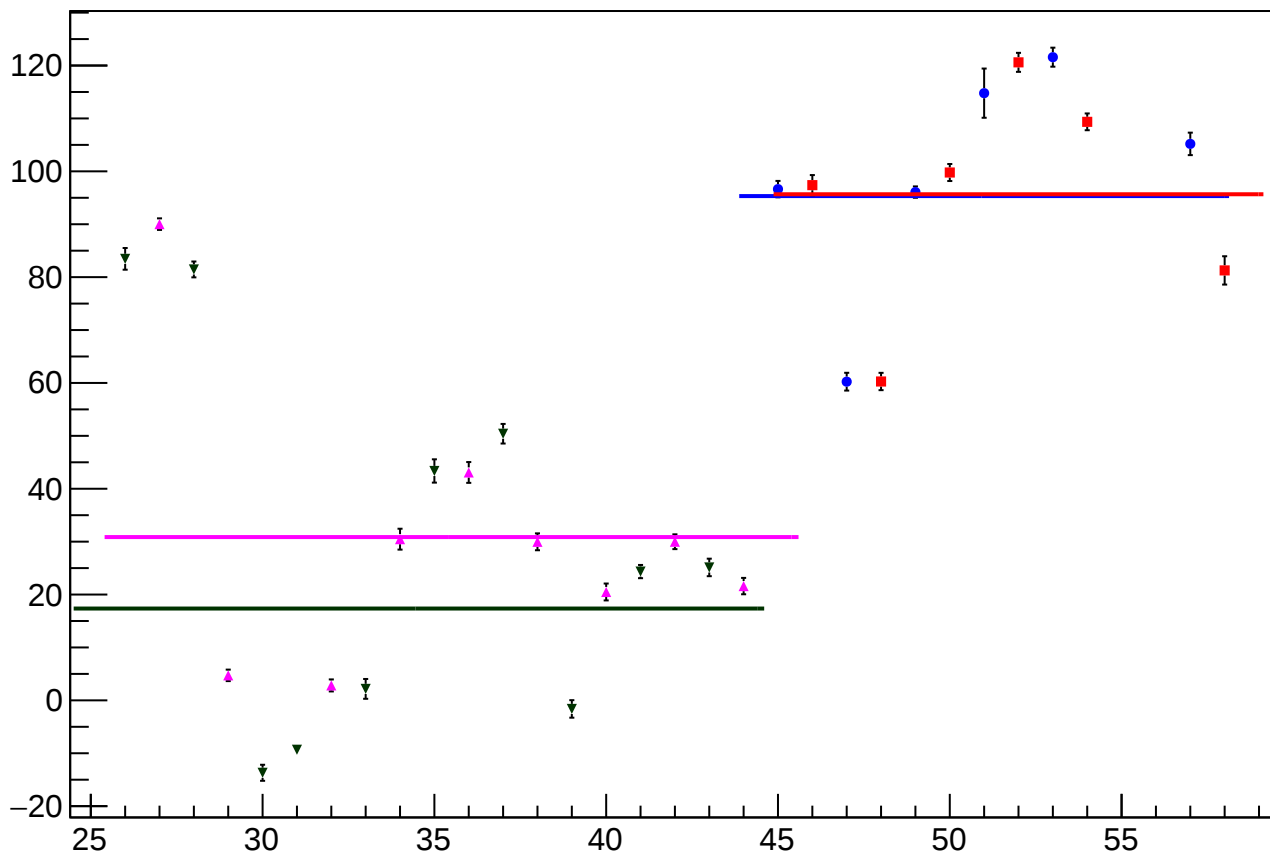
Right Out: -161.410+/-0.120 χ^2/NDF : 69499.7/5

Left In: -176.046+/-0.093 χ^2/NDF : 29168.4/8

-145.324+/-0.068 χ^2/NDF : 785735.9/15

-170.589+/-0.073 χ^2/NDF : 107984.0/14

reg_asym_atl1r2_dd_diff_bpm4aX_slope vs slug



Right In: 95.322+/-0.672 χ^2 /NDF: 689.6/5

Left Out: 17.356+/-0.455 χ^2 /NDF: 5107.4/9

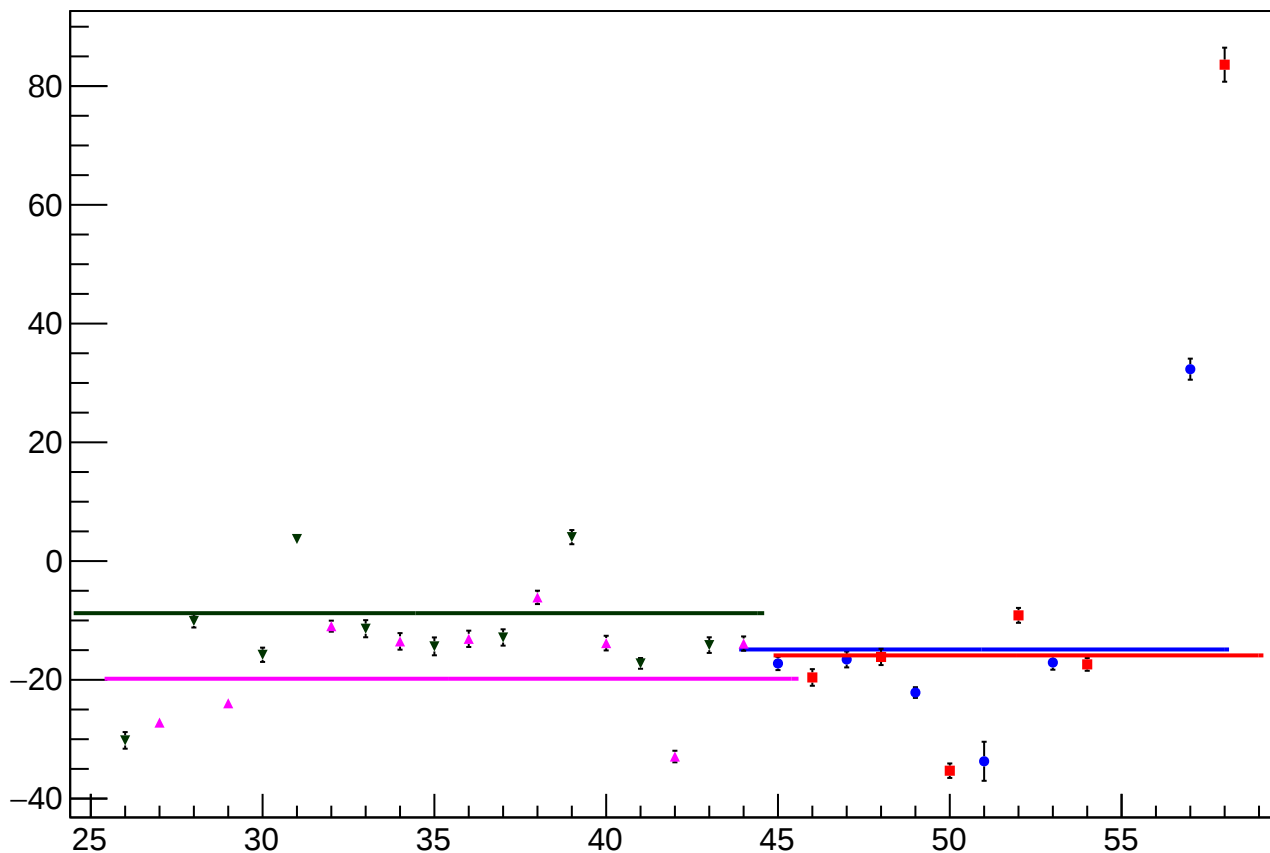
Right Out: 95.668+/-0.729 χ^2 /NDF: 771.5/5

Left In: 30.865+/-0.462 χ^2 /NDF: 4236.0/8

41.857+/-0.377 χ^2 /NDF: 15029.4/15

49.430+/-0.390 χ^2 /NDF: 10648.3/14

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs slug



Right In: -14.887 ± 0.521 χ^2/NDF : 814.7/5

Left Out: -8.774 ± 0.350 χ^2/NDF : 855.1/9

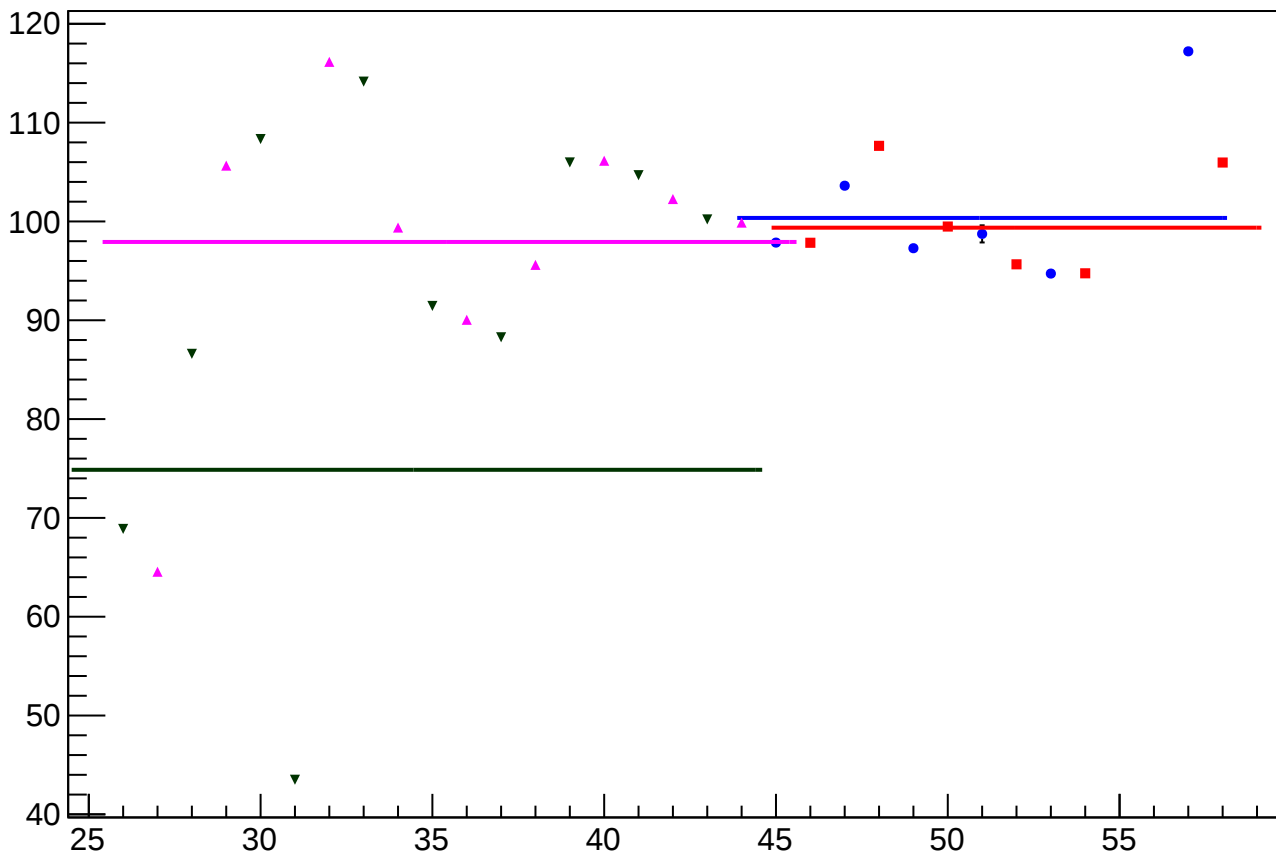
Right Out: -15.886 ± 0.548 χ^2/NDF : 1494.6/5

Left In: -19.816 ± 0.333 χ^2/NDF : 655.3/8

-10.676 ± 0.291 χ^2/NDF : 1764.6/15

-18.758 ± 0.284 χ^2/NDF : 2187.5/14

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs slug



Right In: 100.356 $\pm$ 0.121 χ^2 /NDF: 2819.7/5

Left Out: 74.867 $\pm$ 0.070 χ^2 /NDF:168612.2/9

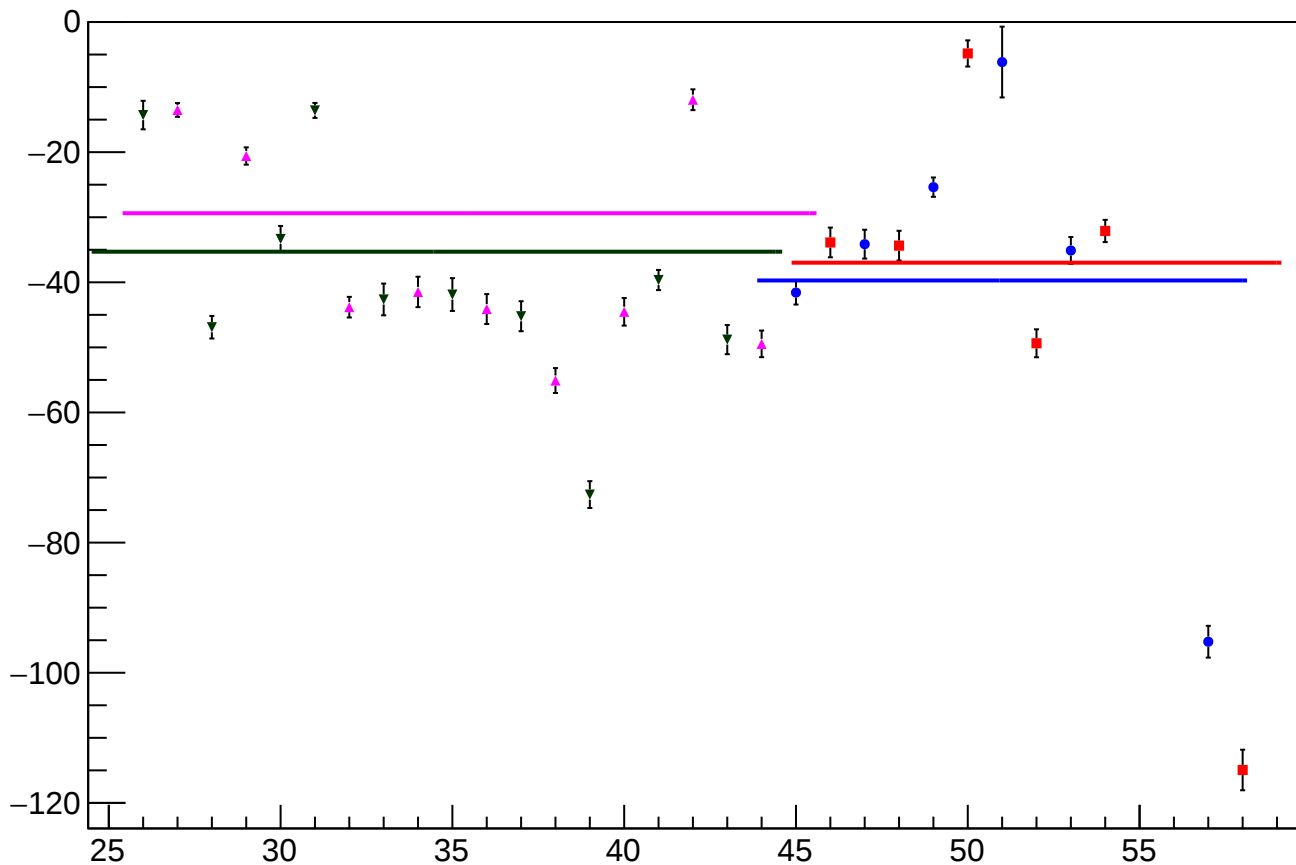
Right Out: 99.369 $\pm$ 0.124 χ^2 /NDF: 1495.8/5

Left In: 97.925 $\pm$ 0.079 χ^2 /NDF:43942.4/8

81.237 $\pm$ 0.061 χ^2 /NDF: 204702.9/15

98.341 $\pm$ 0.067 χ^2 /NDF: 45534.2/14

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs slug



Right In: -39.717 $\pm$ 0.850 χ^2 /NDF: 660.4/5

Left Out: -35.297 $\pm$ 0.586 χ^2 /NDF: 899.8/9

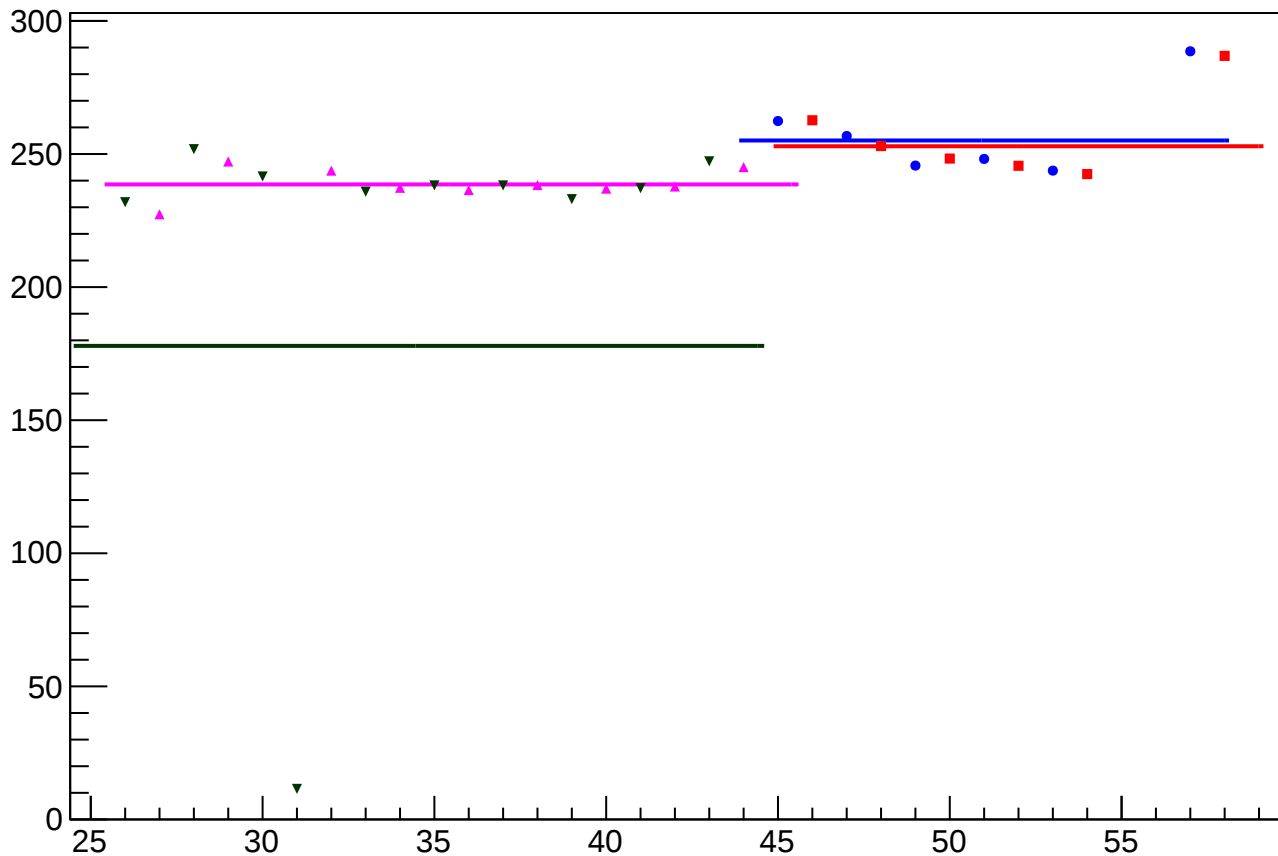
Right Out: -36.984 $\pm$ 0.880 χ^2 /NDF: 924.9/5

Left In: -29.383 $\pm$ 0.546 χ^2 /NDF: 865.1/8

-36.721 $\pm$ 0.482 χ^2 /NDF: 1578.5/15

-31.499 $\pm$ 0.464 χ^2 /NDF: 1843.9/14

reg_asym_atl1r2_dd_diff_bpm11X_slope vs slug



Right In: 255.088±0.164 χ^2/NDF : 7098.7/5

Left Out: 177.919±0.108 χ^2/NDF : 891925.7/9

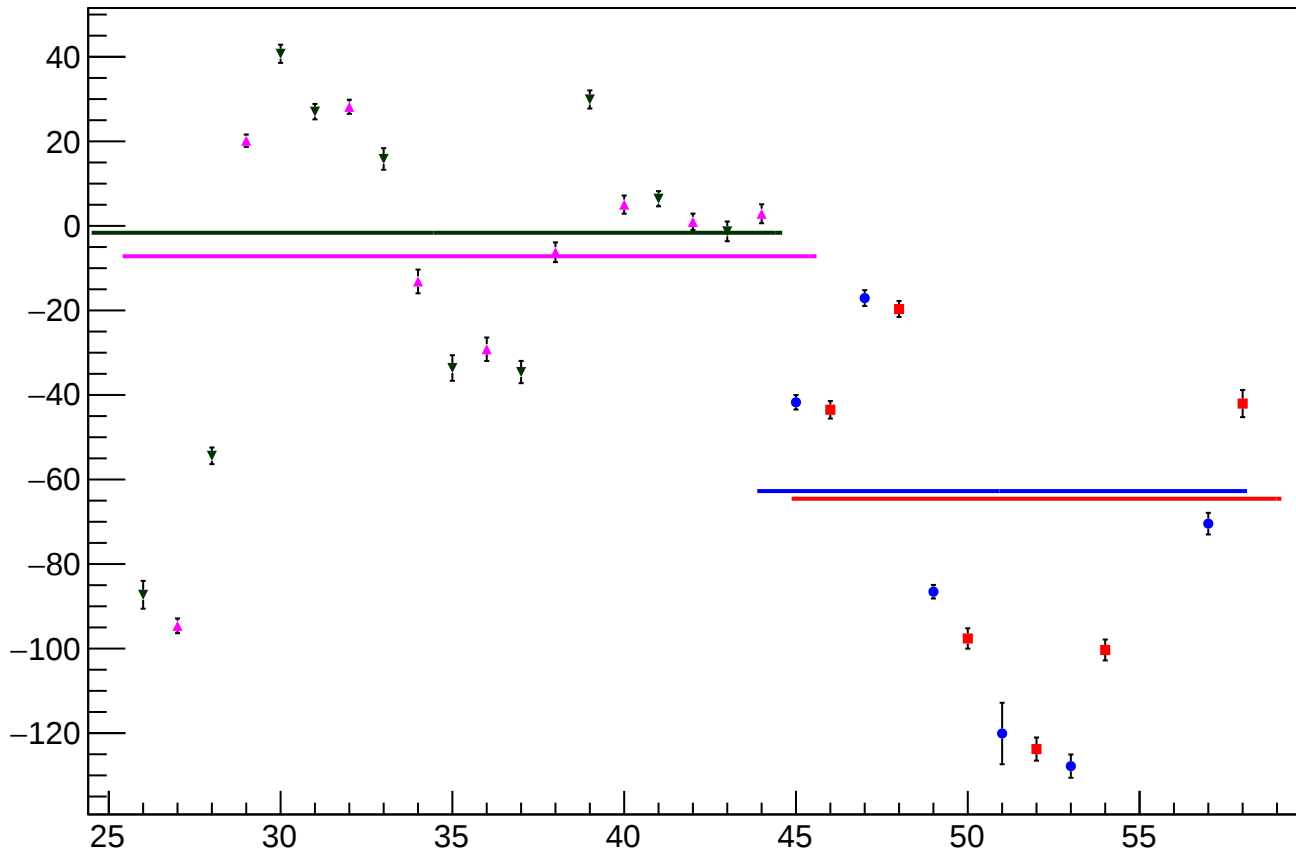
Right Out: 252.918±0.168 χ^2/NDF : 5503.9/5

Left In: 238.578±0.118 χ^2/NDF : 3012.9/8

201.114±0.090 χ^2/NDF : 1053708.3/15

243.293±0.096 χ^2/NDF : 13411.0/14

reg_asym_atr1l2_avg_diff_bpm4aX_slope vs slug



Right In: -62.734 ± 0.871 χ^2/NDF : 1589.1/5

Left Out: -1.625 ± 0.710 χ^2/NDF : 2580.3/9

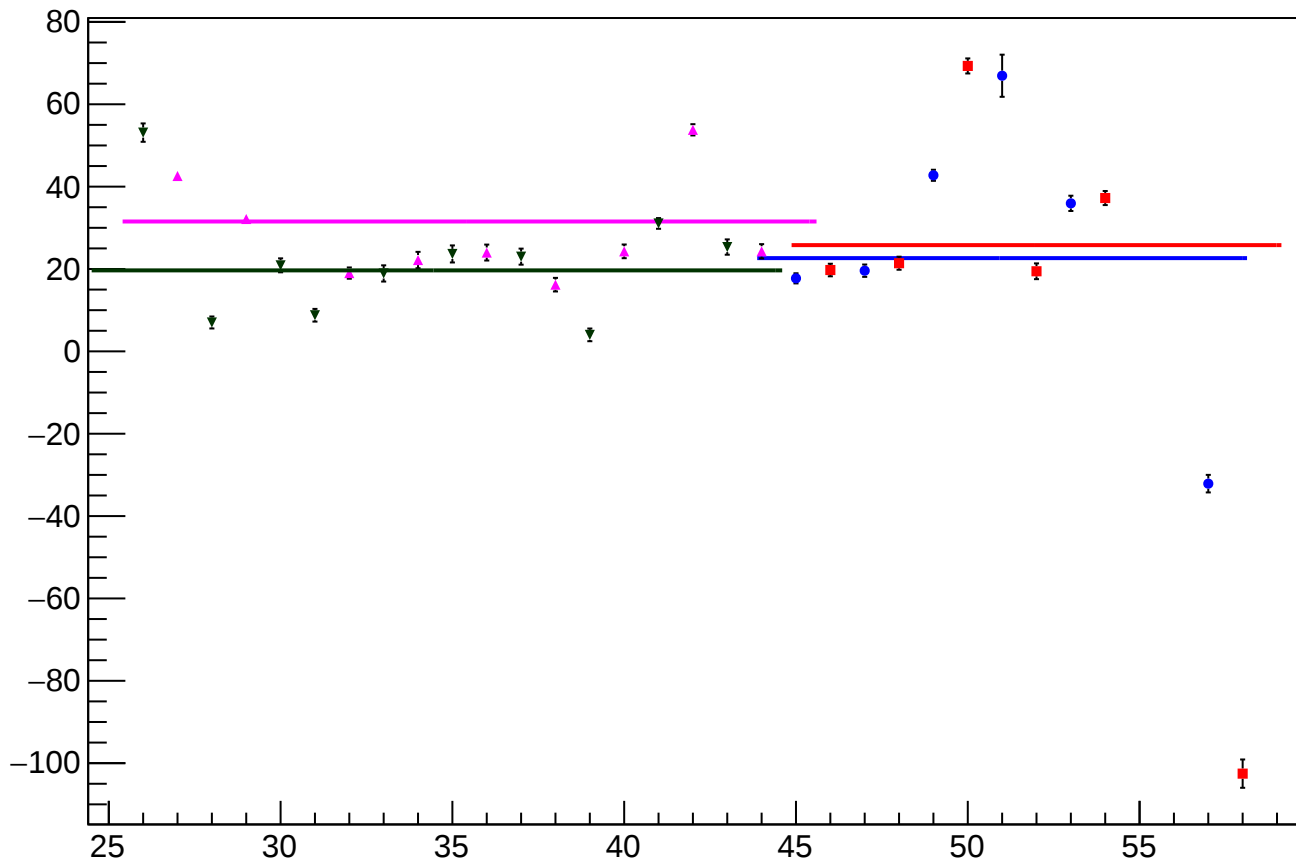
Right Out: -64.546 ± 0.965 χ^2/NDF : 1574.5/5

Left In: -7.188 ± 0.664 χ^2/NDF : 3435.6/8

-26.026 ± 0.551 χ^2/NDF : 7124.0/15

-25.624 ± 0.547 χ^2/NDF : 7408.7/14

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs slug



Right In: 22.642+/-0.673 χ^2 /NDF: 1029.6/5

Left Out: 19.664+/-0.535 χ^2 /NDF:547.2/9

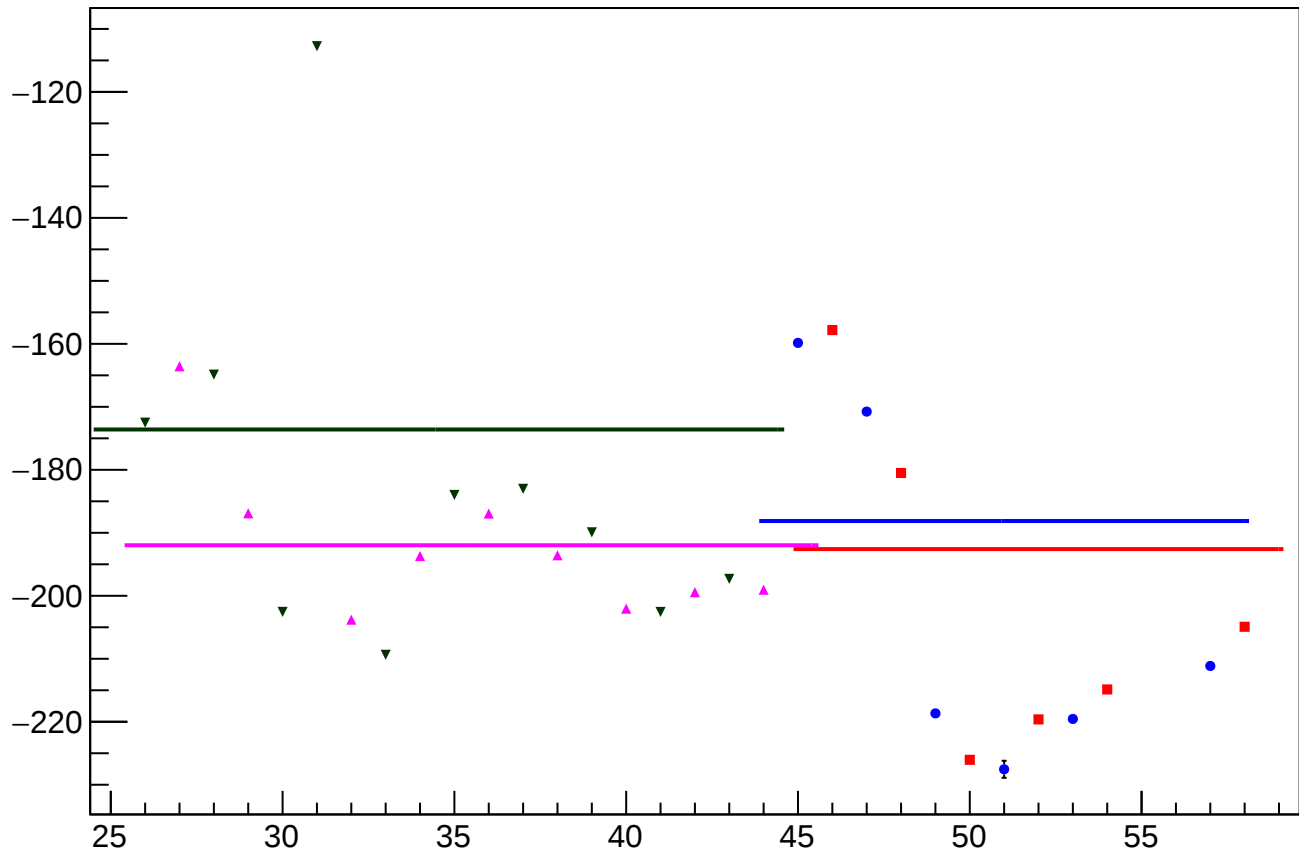
Right Out: 25.798+/-0.740 χ^2 /NDF: 2039.2/5

Left In: 31.534+/-0.481 χ^2 /NDF:612.9/8

20.816+/-0.419 χ^2 /NDF: 1588.9/15

29.827+/-0.404 χ^2 /NDF: 2694.4/14

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs slug



Right In: -188.129+/-0.153 χ^2/NDF : 30112.2/5

Left Out: -173.597+/-0.114 χ^2/NDF : 92522.3/9

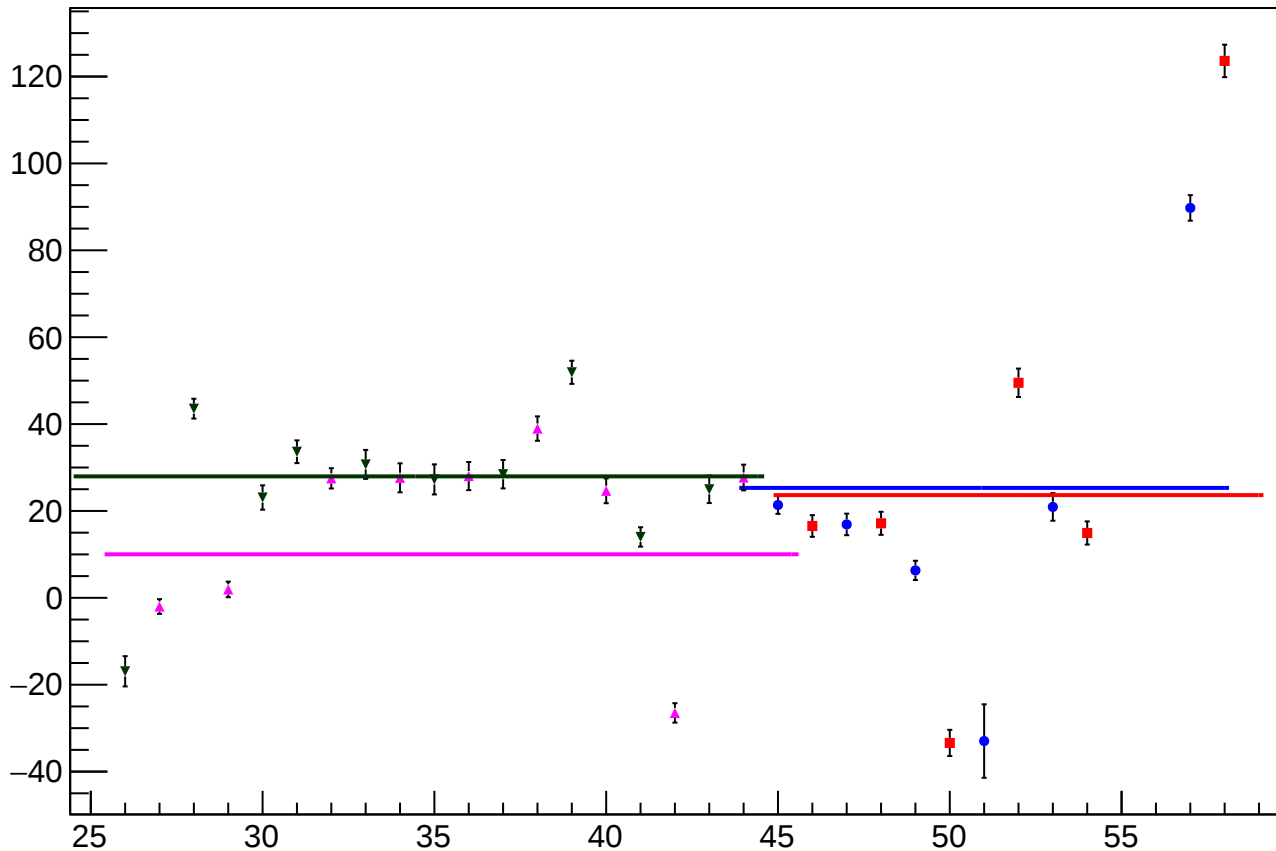
Right Out: -192.586+/-0.164 χ^2/NDF : 25589.8/5

Left In: -191.976+/-0.115 χ^2/NDF : 12393.0/8

-178.791+/-0.092 χ^2/NDF : 128402.7/15

-192.177+/-0.094 χ^2/NDF : 37992.2/14

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs slug



Right In: 25.308+/-1.094 χ^2/NDF : 617.5/5

Left Out: 27.961+/-0.892 χ^2/NDF : 342.1/9

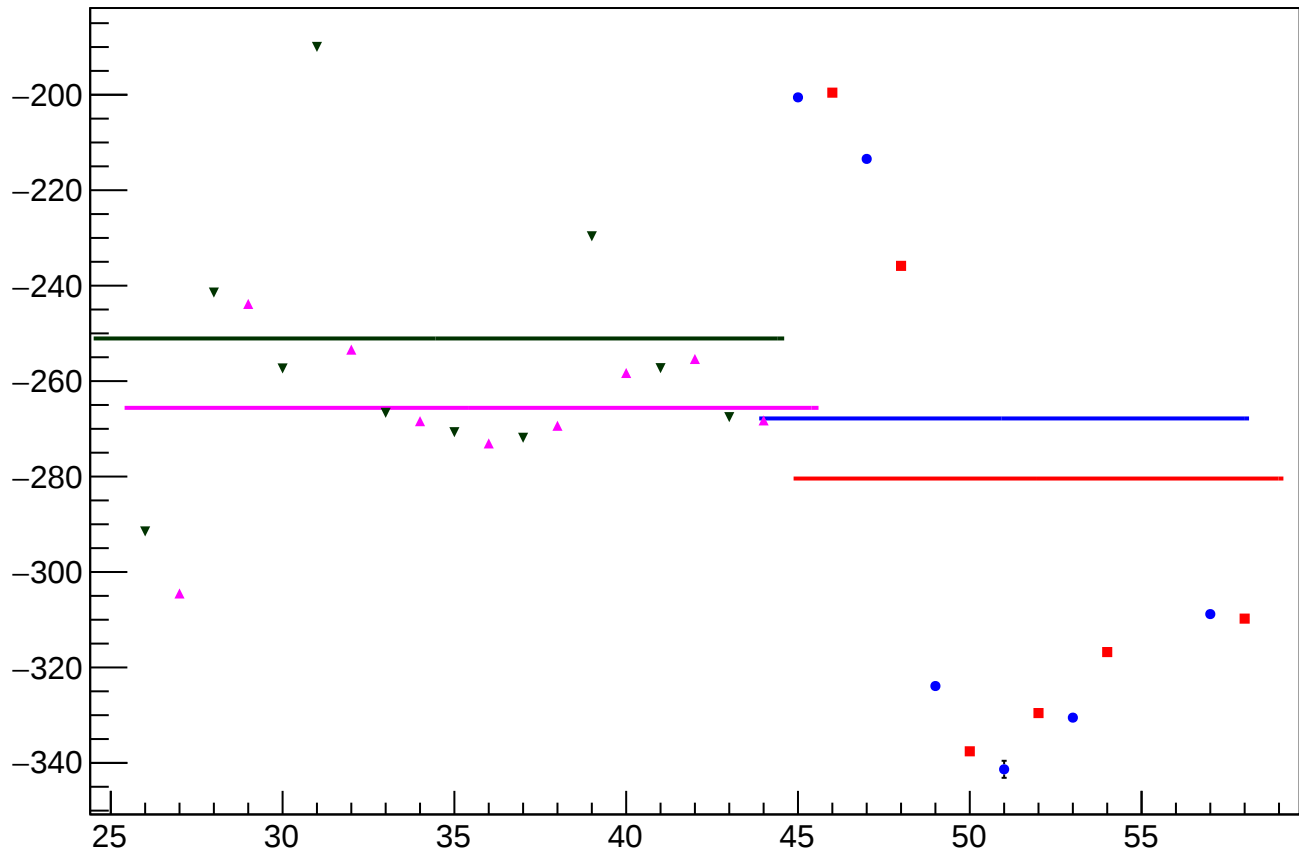
Right Out: 23.649+/-1.179 χ^2/NDF : 1160.0/5

Left In: 10.019+/-0.793 χ^2/NDF : 620.9/8

26.902+/-0.691 χ^2/NDF : 963.1/15

14.264+/-0.658 χ^2/NDF : 1872.9/14

reg_asym_atr1l2_avg_diff_bpm11X_slope vs slug



Right In: -267.823+/-0.213 χ^2/NDF : 75798.0/5

Left Out: -251.066+/-0.164 χ^2/NDF : 28709.1/9

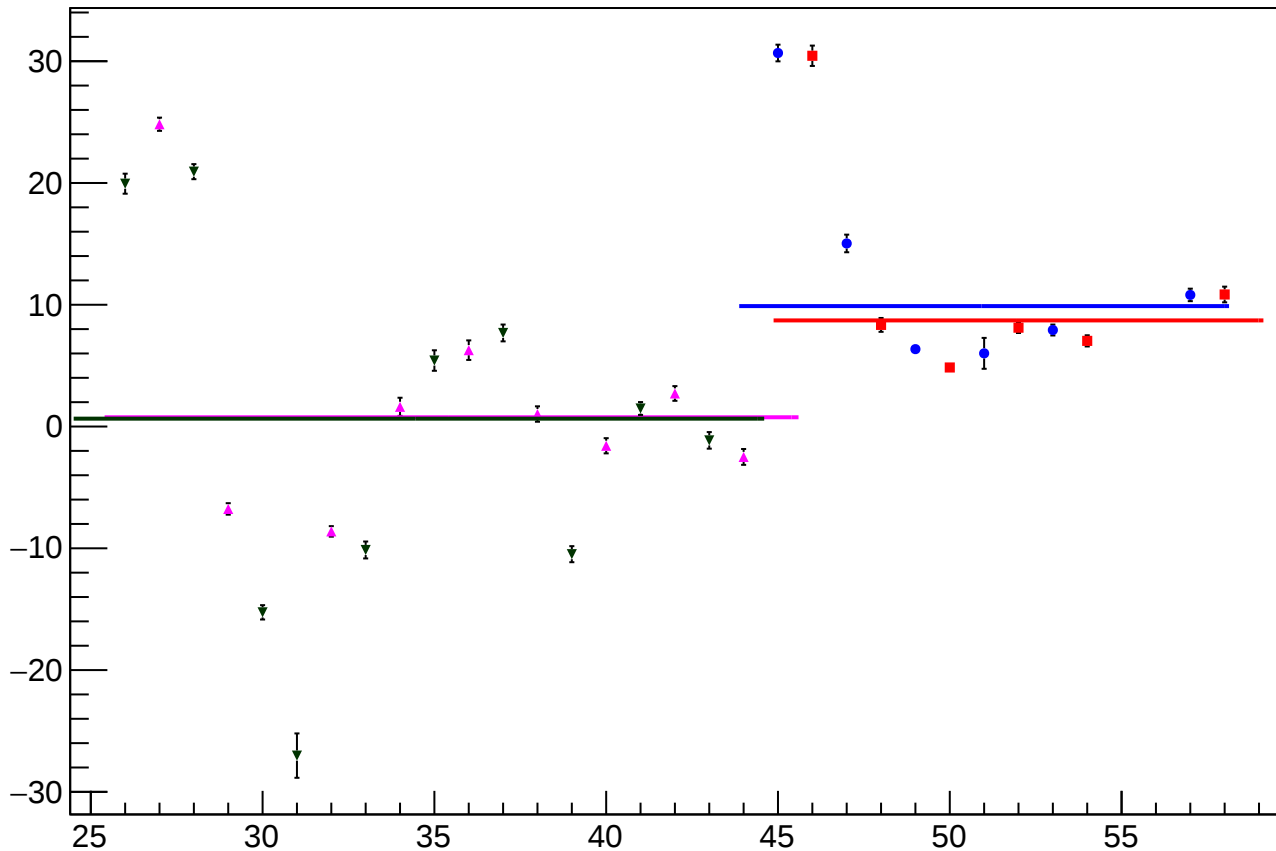
Right Out: -280.415+/-0.225 χ^2/NDF : 59495.6/5

Left In: -265.603+/-0.168 χ^2/NDF : 12152.3/8

-257.328+/-0.130 χ^2/NDF : 108392.4/15

-270.909+/-0.135 χ^2/NDF : 74432.0/14

reg_asym_atr1l2_dd_diff_bpm4aX_slope vs slug



Right In: 9.890+/-0.195 χ^2/NDF : 1164.7/5

Left Out: 0.647+/-0.219 χ^2/NDF : 3257.1/9

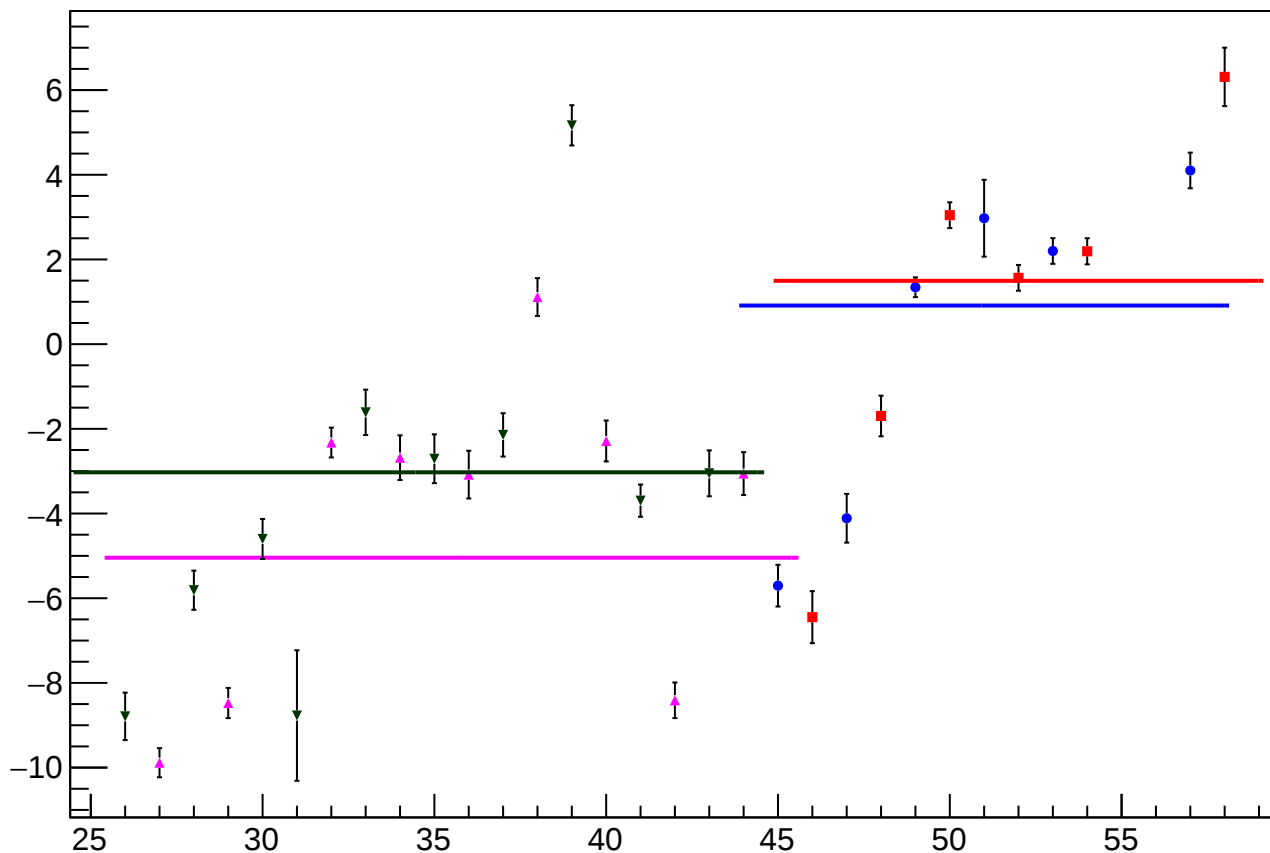
Right Out: 8.714+/-0.208 χ^2/NDF : 795.5/5

Left In: 0.760+/-0.193 χ^2/NDF : 2789.0/8

5.798+/-0.146 χ^2/NDF : 5416.8/15

4.449+/-0.142 χ^2/NDF : 4370.2/14

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs slug



Right In: 0.912 ± 0.152 χ^2/NDF : 340.4/5

Left Out: -3.027 ± 0.163 χ^2/NDF : 477.3/9

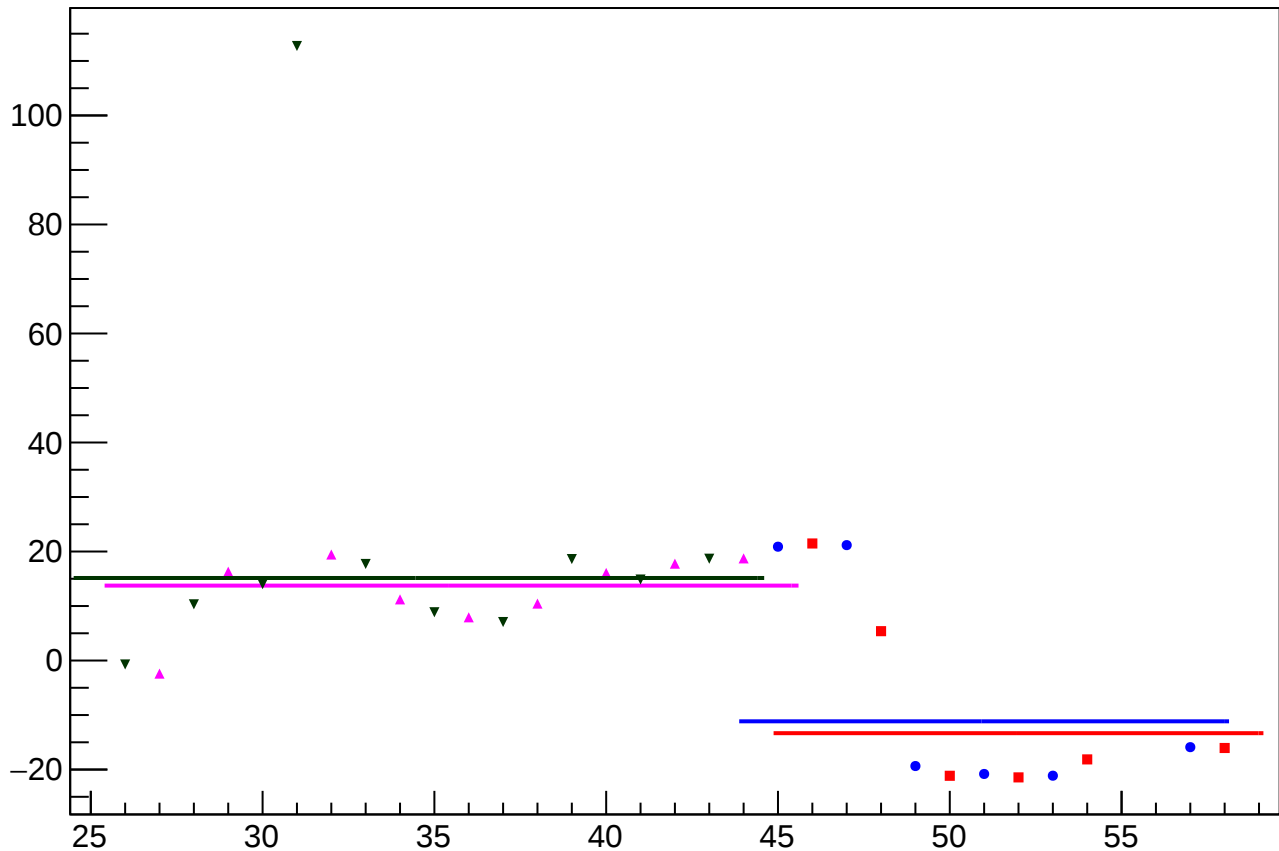
Right Out: 1.496 ± 0.156 χ^2/NDF : 291.1/5

Left In: -5.044 ± 0.141 χ^2/NDF : 684.5/8

-0.927 ± 0.111 χ^2/NDF : 1130.2/15

-2.091 ± 0.105 χ^2/NDF : 1940.8/14

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs slug



Right In: -11.151 $\pm$ 0.036 χ^2 /NDF: 198768.8/5

Left Out: 15.143 $\pm$ 0.036 χ^2 /NDF: 187125.6/9

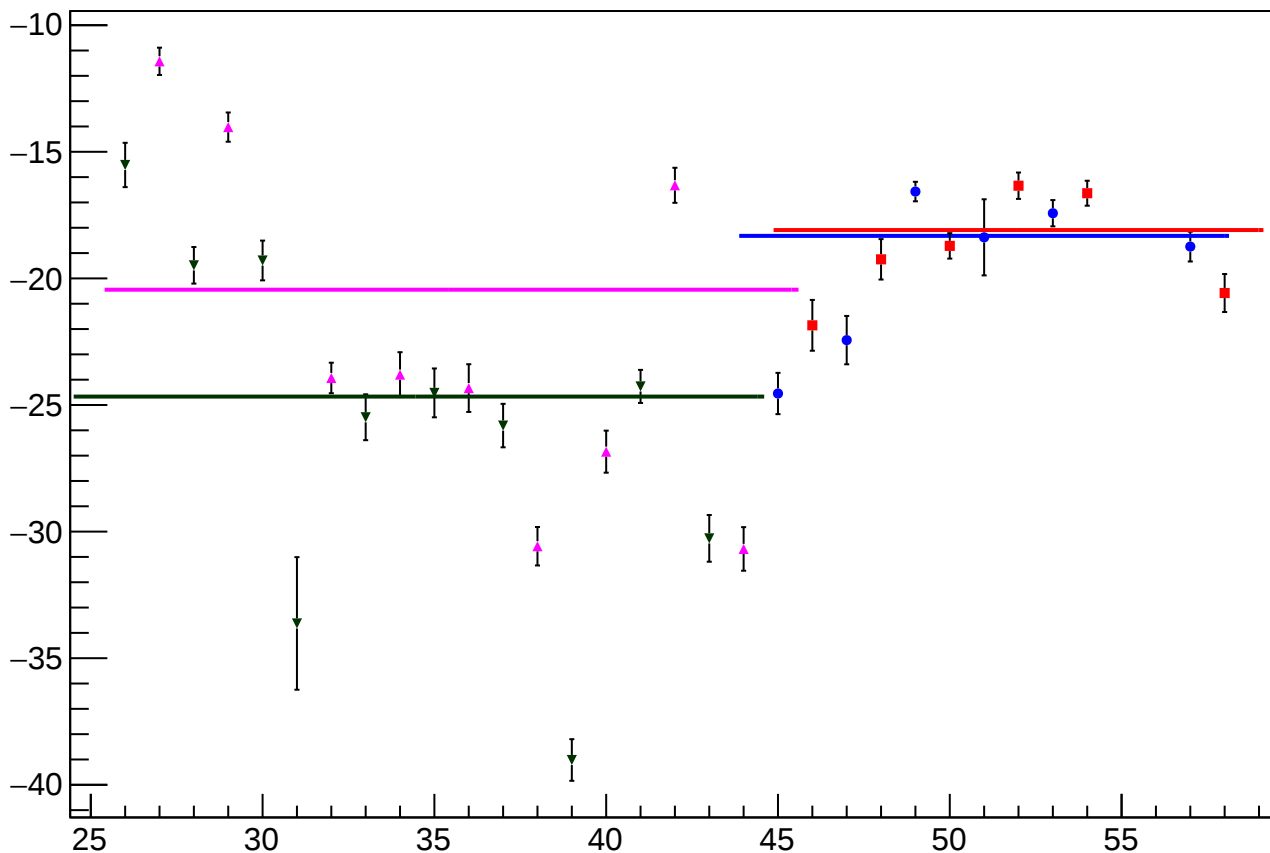
Right Out: -13.327 $\pm$ 0.036 χ^2 /NDF: 134186.9/5

Left In: 13.747 $\pm$ 0.033 χ^2 /NDF: 44234.1/8

2.026 $\pm$ 0.026 χ^2 /NDF: 650643.8/15

1.556 $\pm$ 0.024 χ^2 /NDF: 486637.5/14

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs slug



Right In: -18.320 ± 0.247 $\chi^2/\text{NDF}: 101.0/5$

Left Out: -24.667 ± 0.271 $\chi^2/\text{NDF}: 564.2/9$

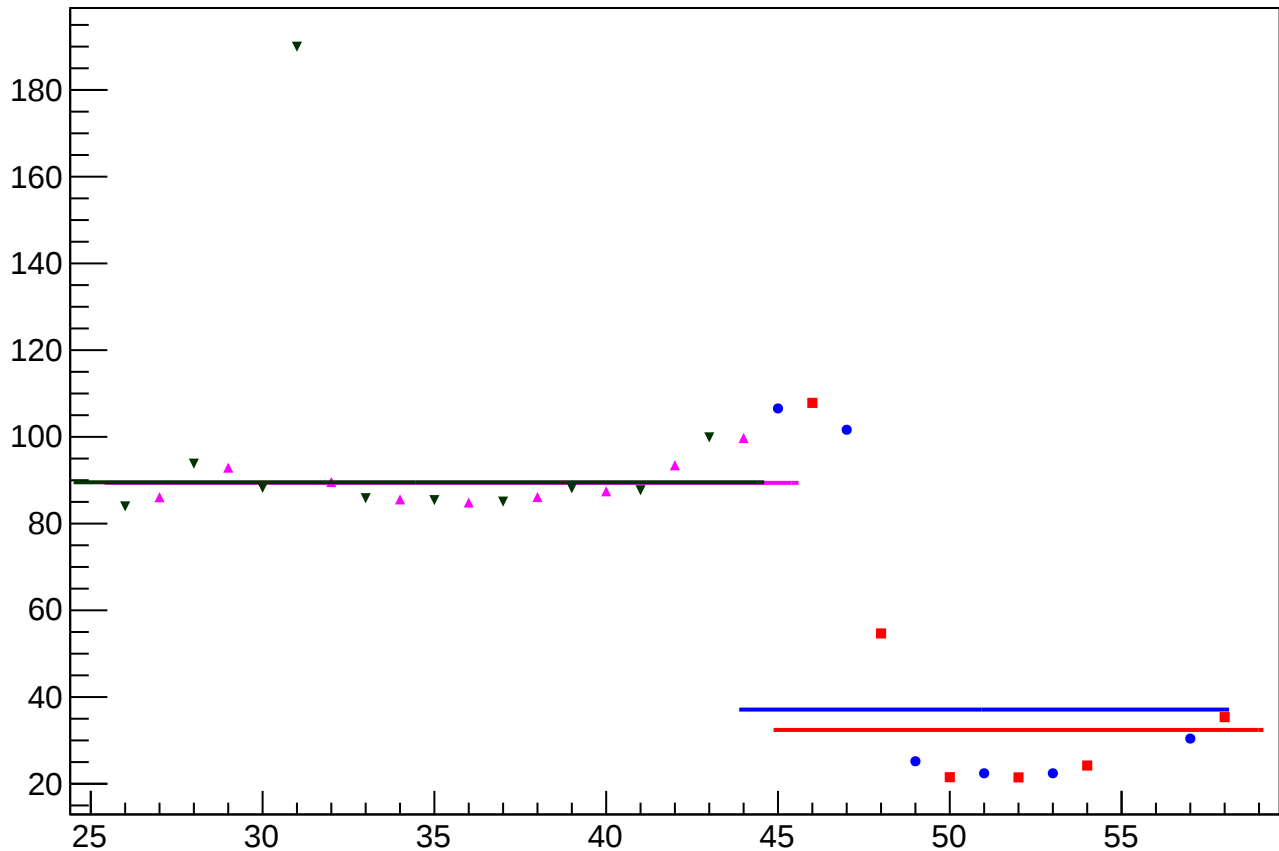
Right Out: -18.090 ± 0.249 $\chi^2/\text{NDF}: 48.7/5$

Left In: -20.446 ± 0.234 $\chi^2/\text{NDF}: 882.7/8$

-21.204 ± 0.182 $\chi^2/\text{NDF}: 965.1/15$

-19.341 ± 0.171 $\chi^2/\text{NDF}: 978.8/14$

reg_asym_atr1l2_dd_diff_bpm11X_slope vs slug



Right In: 37.108+/-0.047 χ^2/NDF : 360729.3/5

Left Out: 89.526+/-0.049 χ^2/NDF : 54366.7/9

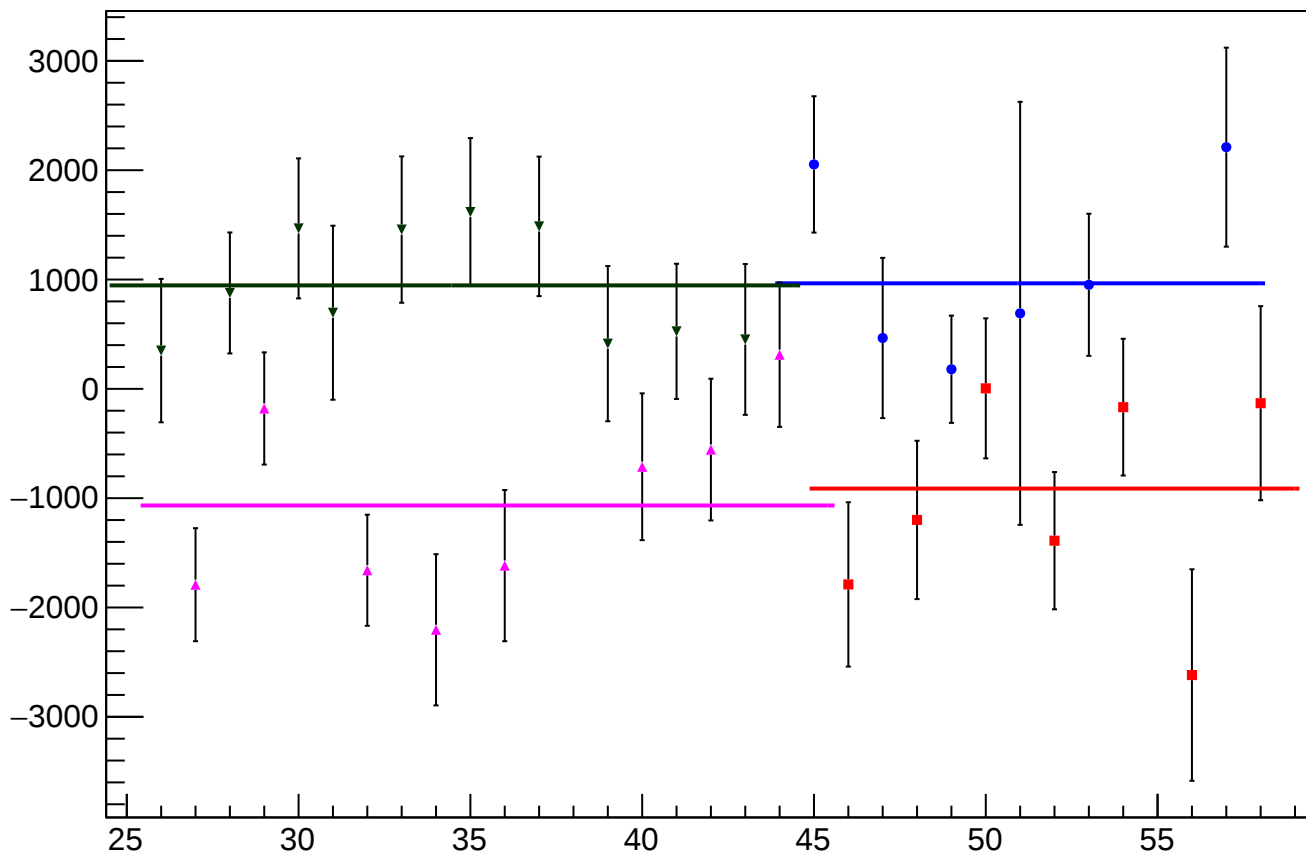
Right Out: 32.416+/-0.046 χ^2/NDF : 209199.7/5

Left In: 89.397+/-0.049 χ^2/NDF : 7802.3/8

62.071+/-0.034 χ^2/NDF : 1002839.8/15

59.384+/-0.034 χ^2/NDF : 930255.5/14

reg_asym_atl1_mean vs slug



Right In: 965.270 $\pm$ 283.634 χ^2/NDF : 8.0/5

Left Out: 946.354 $\pm$ 207.711 χ^2/NDF : 5.4/9

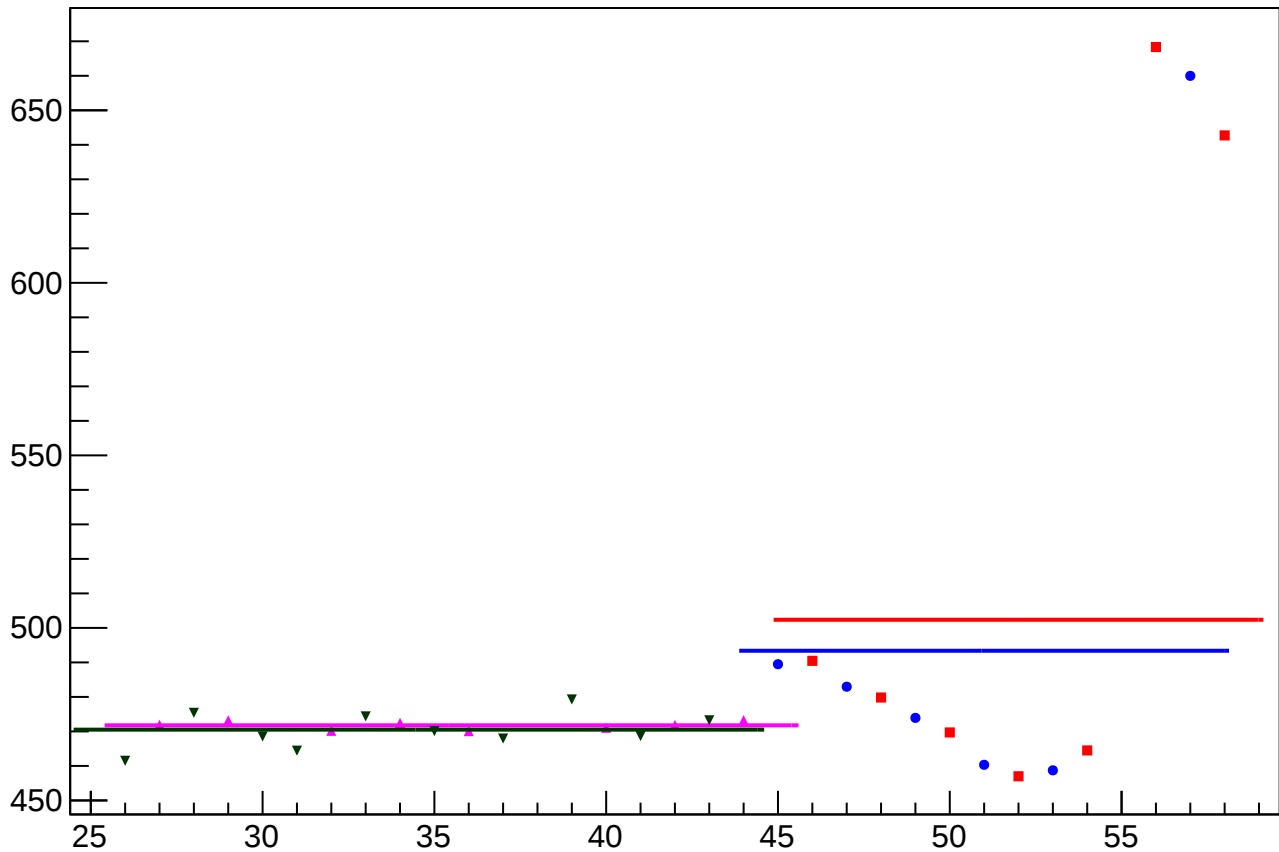
Right Out: -912.209 $\pm$ 271.696 χ^2/NDF : 9.4/6

Left In: -1066.964 $\pm$ 210.912 χ^2/NDF : 14.9/7

952.957 $\pm$ 167.580 χ^2/NDF : 13.4/15

-1008.773 $\pm$ 166.605 χ^2/NDF : 24.6/14

reg_asym_atl1_rms vs slug



Right In: 493.378+/-0.201 χ^2/NDF : 76911.8/5

Left Out: 470.514+/-0.147 χ^2/NDF : 1122.3/9

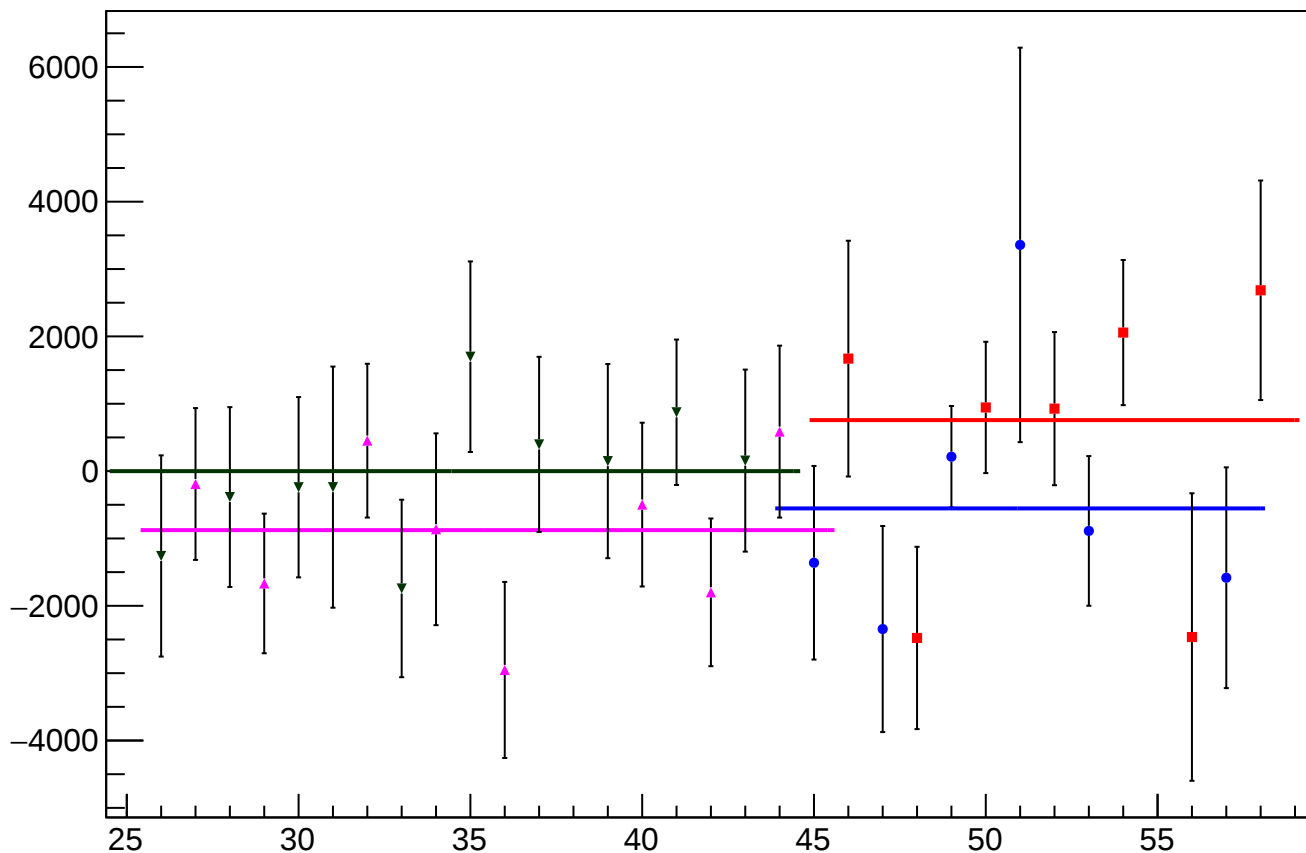
478.496+/-0.118 χ^2/NDF : 86493.5/15

Right Out: 502.358+/-0.192 χ^2/NDF : 134302.1/6

483.273+/-0.118 χ^2/NDF : 150180.3/14

Left In: 471.772+/-0.149 χ^2/NDF : 62.3/7

asym_atl1_correction_mean vs slug



Right In: -553.856 ± 501.644 χ^2/NDF : 5.0/5

Left Out: -0.504 ± 428.990 χ^2/NDF : 4.8/9

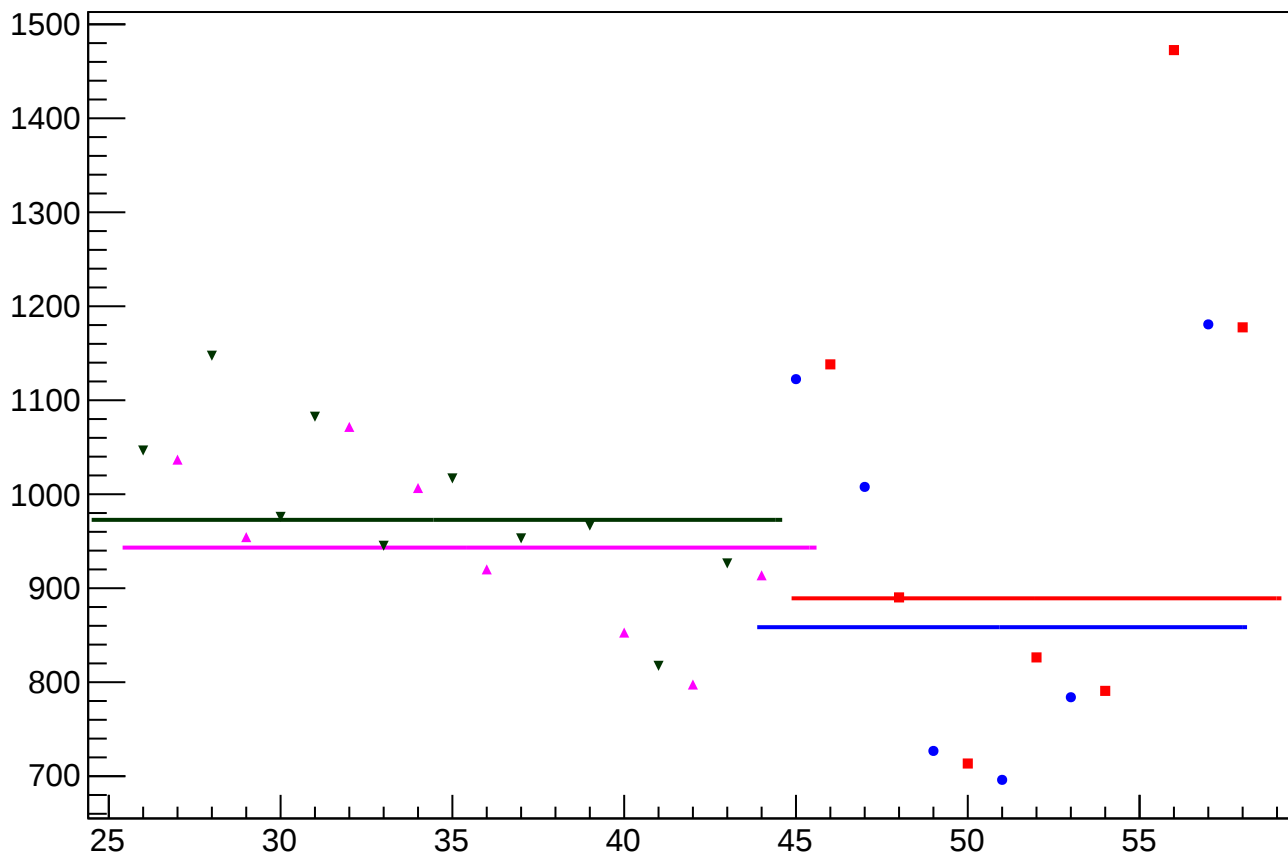
Right Out: 757.174 ± 490.532 χ^2/NDF : 11.2/6

Left In: -876.325 ± 419.386 χ^2/NDF : 6.9/7

-234.242 ± 326.031 χ^2/NDF : 10.5/15

-186.522 ± 318.765 χ^2/NDF : 24.5/14

asym_atl1_correction_rms vs slug



Right In: 858.540 ± 0.355 χ^2/NDF : 240063.6/5

Left Out: 972.740 ± 0.303 χ^2/NDF : 93722.9/9

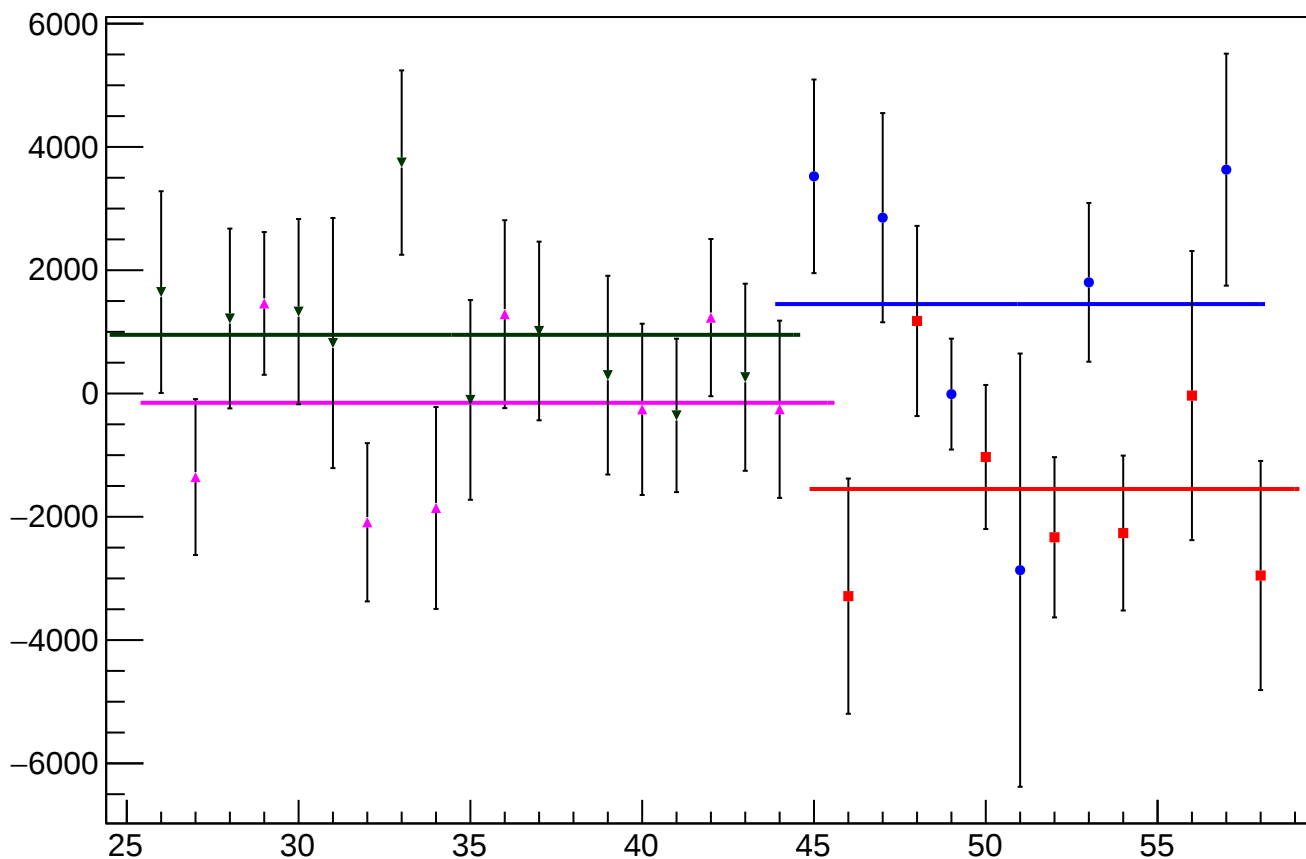
Right Out: 889.252 ± 0.347 χ^2/NDF : 340280.2/6

Left In: 943.222 ± 0.297 χ^2/NDF : 91364.0/7

924.501 ± 0.231 χ^2/NDF : 393654.8/15

920.431 ± 0.225 χ^2/NDF : 445631.2/14

asym_atl1_mean vs slug



Right In: 1450.920+/-581.719 χ^2/NDF : 8.0/5

Left Out: 951.884+/-482.337 χ^2/NDF : 5.7/9

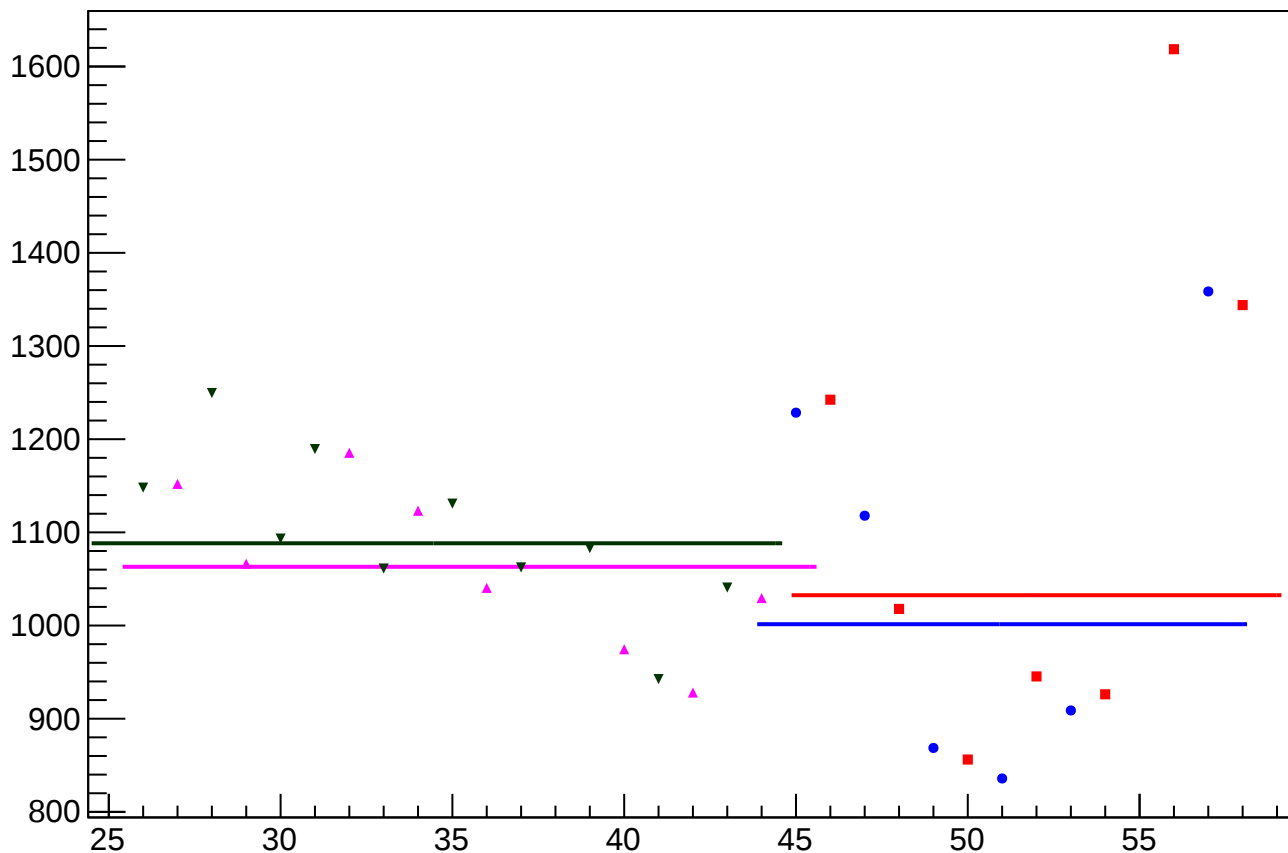
Right Out: -1548.684+/-565.779 χ^2/NDF : 5.8/6

Left In: -150.701+/-476.838 χ^2/NDF : 8.3/7

1155.195+/-371.303 χ^2/NDF : 14.1/15

-731.299+/-364.614 χ^2/NDF : 17.7/14

asym_atl1_rms vs slug



Right In: 1001.431 ± 0.411 χ^2/NDF : 181626.0/5

Left Out: 1088.294 ± 0.341 χ^2/NDF : 64214.9/9

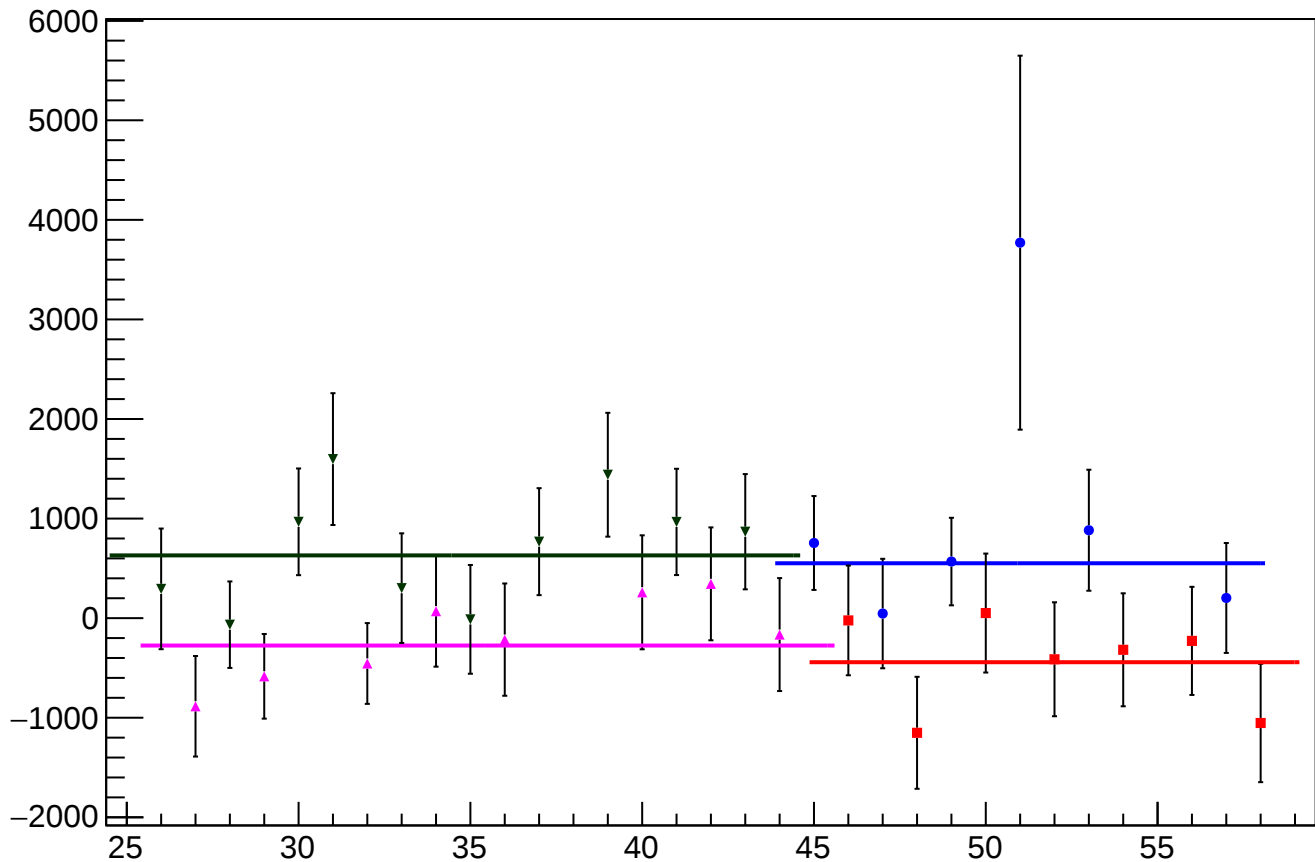
Right Out: 1032.562 ± 0.400 χ^2/NDF : 274302.9/6

Left In: 1063.060 ± 0.337 χ^2/NDF : 62842.0/7

1052.905 ± 0.263 χ^2/NDF : 272266.9/15

1050.394 ± 0.258 χ^2/NDF : 340542.8/14

reg_asym_atl2_mean vs slug



Right In: 551.290+/-227.851 χ^2/NDF : 4.7/5

Left Out: 630.254+/-174.091 χ^2/NDF : 9.5/9

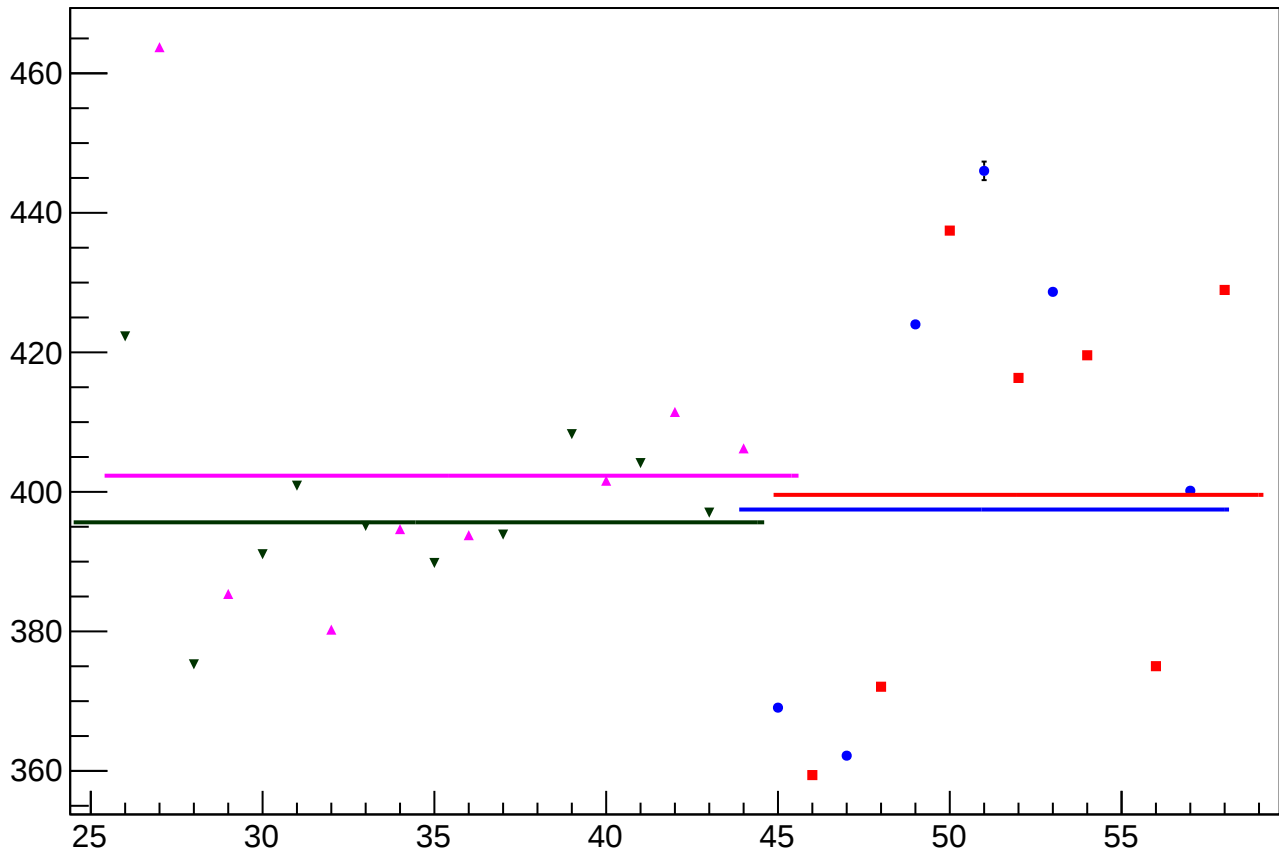
Right Out: -442.509+/-214.927 χ^2/NDF : 4.1/6

Left In: -274.945+/-179.112 χ^2/NDF : 4.7/7

601.148+/-138.334 χ^2/NDF : 14.2/15

-343.622+/-137.596 χ^2/NDF : 9.2/14

reg_asym_atl2_rms vs slug



Right In: 397.470+/-0.161 χ^2/NDF : 29454.5/5

Left Out: 395.636+/-0.123 χ^2/NDF : 10131.9/9

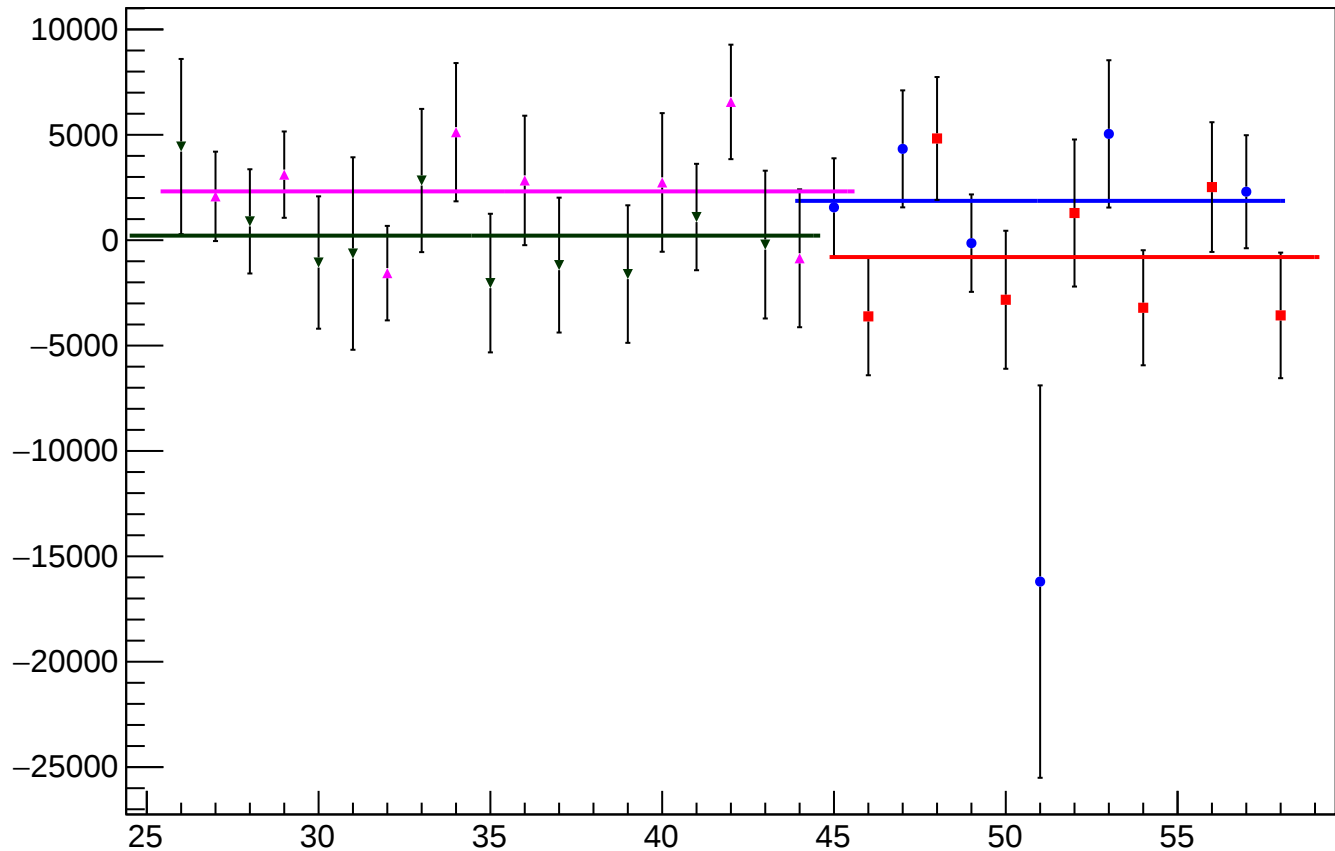
396.312+/-0.098 χ^2/NDF : 39668.2/15

Right Out: 399.573+/-0.152 χ^2/NDF : 36647.1/6

401.194+/-0.097 χ^2/NDF : 76986.7/14

Left In: 402.320+/-0.127 χ^2/NDF : 40146.8/7

asym_atl2_correction_mean vs slug



Right In: 1865.898+/-1167.246 χ^2/NDF : 6.2/5

Left Out: 216.258+/-1010.244 χ^2/NDF : 3.0/9

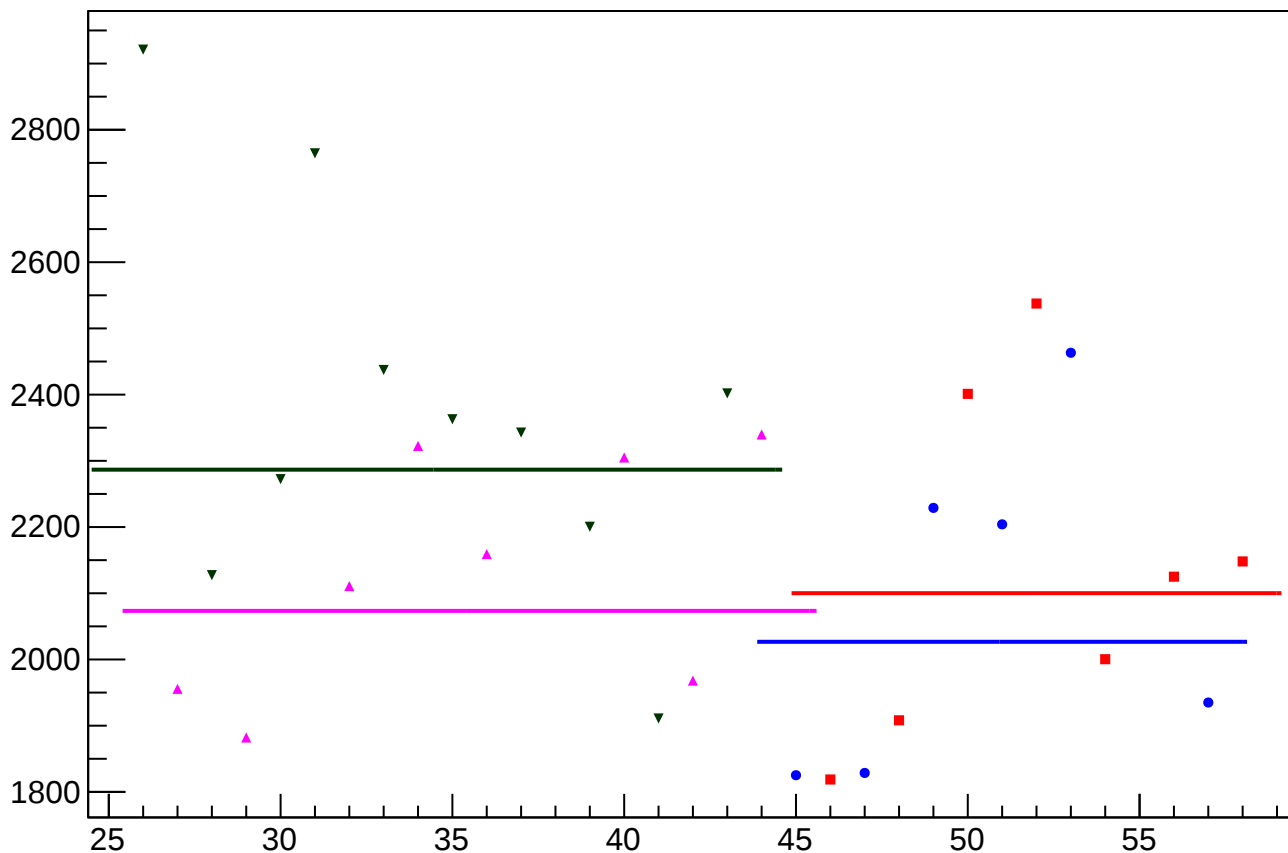
Right Out: -800.202+/-1136.817 χ^2/NDF : 8.3/6

Left In: 2315.339+/-920.569 χ^2/NDF : 7.3/7

922.750+/-763.874 χ^2/NDF : 10.3/15

1081.459+/-715.419 χ^2/NDF : 20.1/14

asym_atl2_correction_rms vs slug



Right In: 2026.695+/-0.825 χ^2/NDF : 74739.9/5

Left Out: 2286.677+/-0.714 χ^2/NDF :130336.9/9

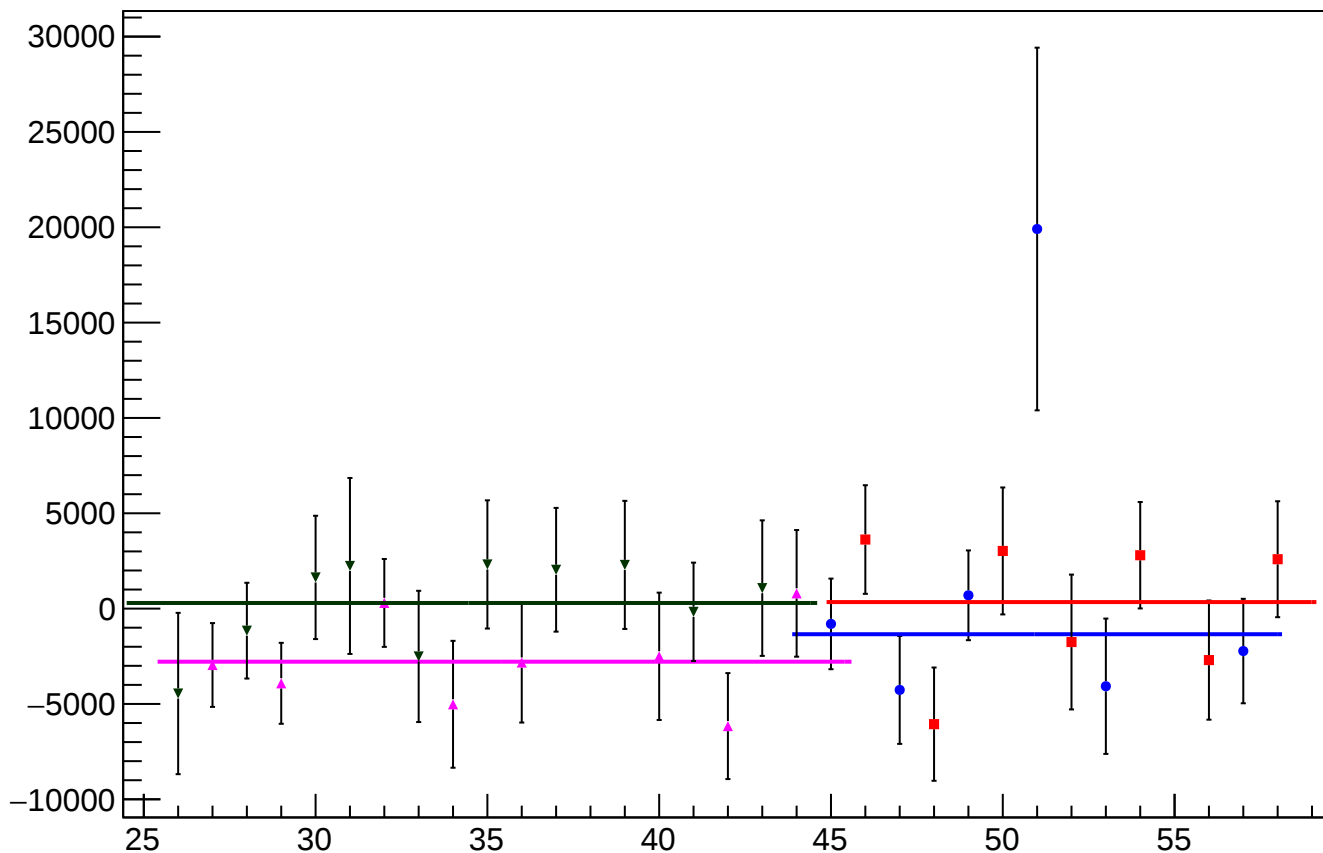
Right Out: 2100.135+/-0.804 χ^2/NDF : 80645.8/6

Left In: 2073.386+/-0.651 χ^2/NDF :63457.3/7

2175.334+/-0.540 χ^2/NDF : 261802.8/15

2083.980+/-0.506 χ^2/NDF : 144771.8/14

asym_atl2_mean vs slug



Right In: -1342.822+/-1189.870 χ^2/NDF : 7.6/5

Left Out: 296.079+/-1029.874 χ^2/NDF : 3.7/9

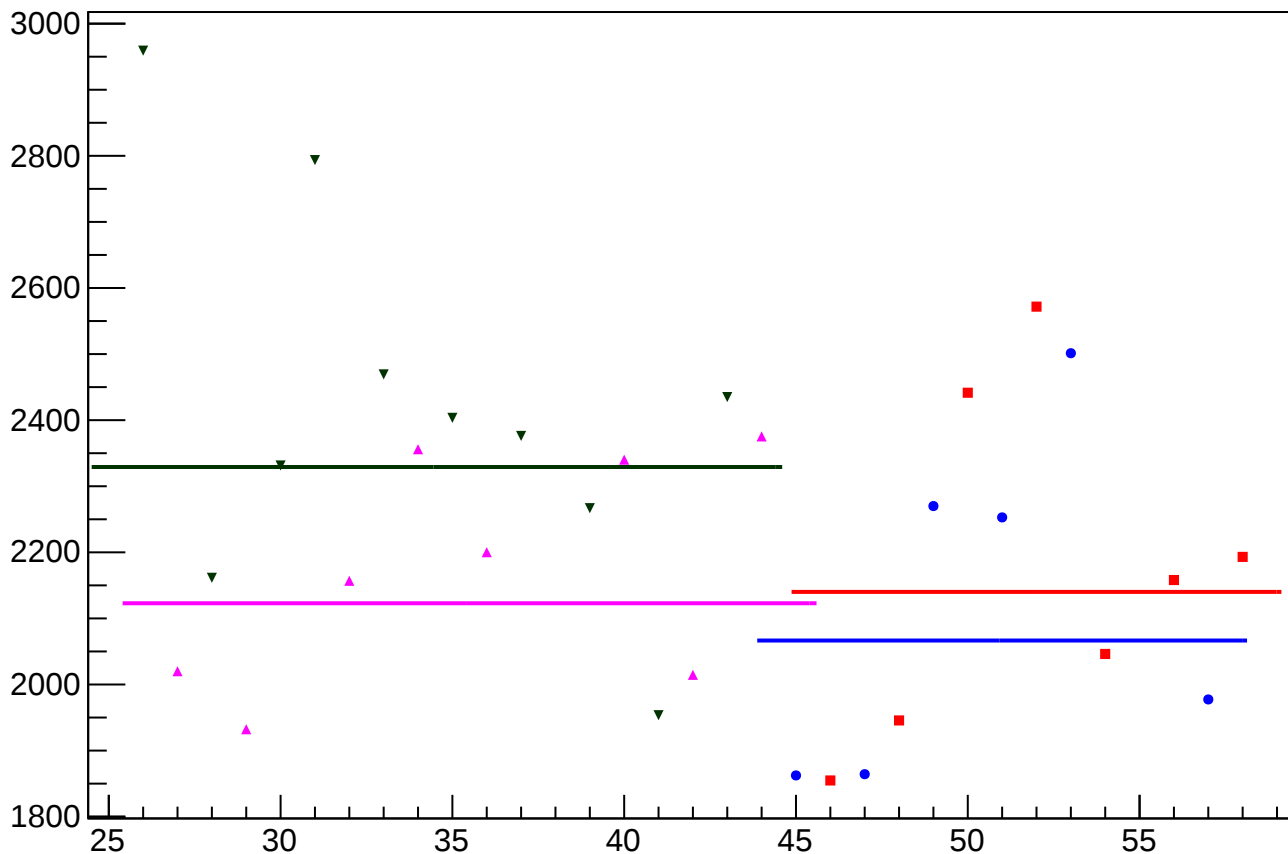
Right Out: 343.245+/-1157.968 χ^2/NDF : 9.2/6

Left In: -2784.125+/-945.556 χ^2/NDF : 5.2/7

-405.853+/-778.700 χ^2/NDF : 12.3/15

-1533.053+/-732.400 χ^2/NDF : 18.8/14

asym_atl2_rms vs slug



Right In: 2066.546+/-0.841 χ^2/NDF : 72839.9/5

Left Out: 2329.125+/-0.728 χ^2/NDF : 123081.1/9

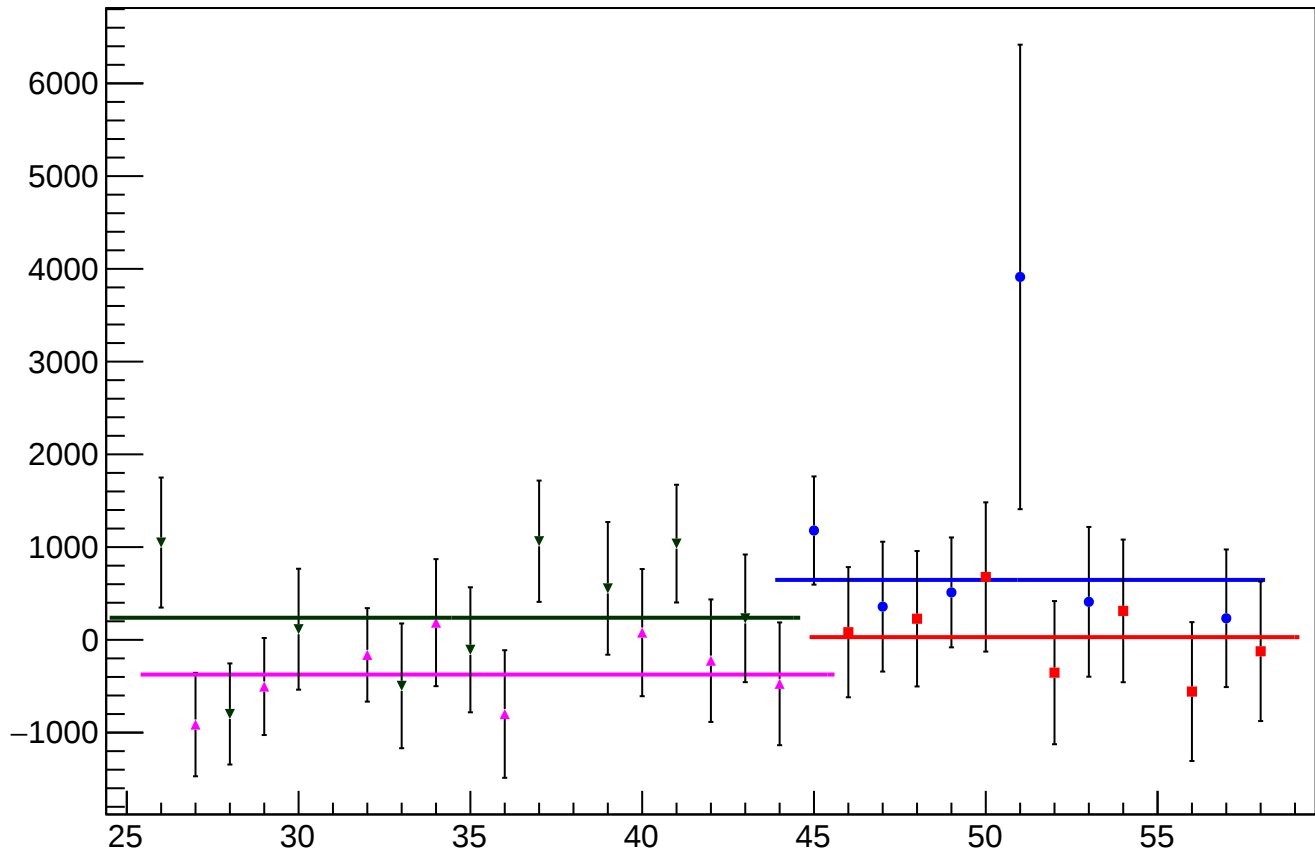
Right Out: 2140.141+/-0.819 χ^2/NDF : 77791.2/6

Left In: 2122.943+/-0.669 χ^2/NDF : 55037.1/7

2216.664+/-0.551 χ^2/NDF : 251604.2/15

2129.823+/-0.518 χ^2/NDF : 133092.9/14

reg_asym_atr1_mean vs slug



Right In: 646.273 $\pm$ 296.985 χ^2/NDF : 3.2/5

Left Out: 238.372 $\pm$ 217.936 χ^2/NDF : 9.8/8

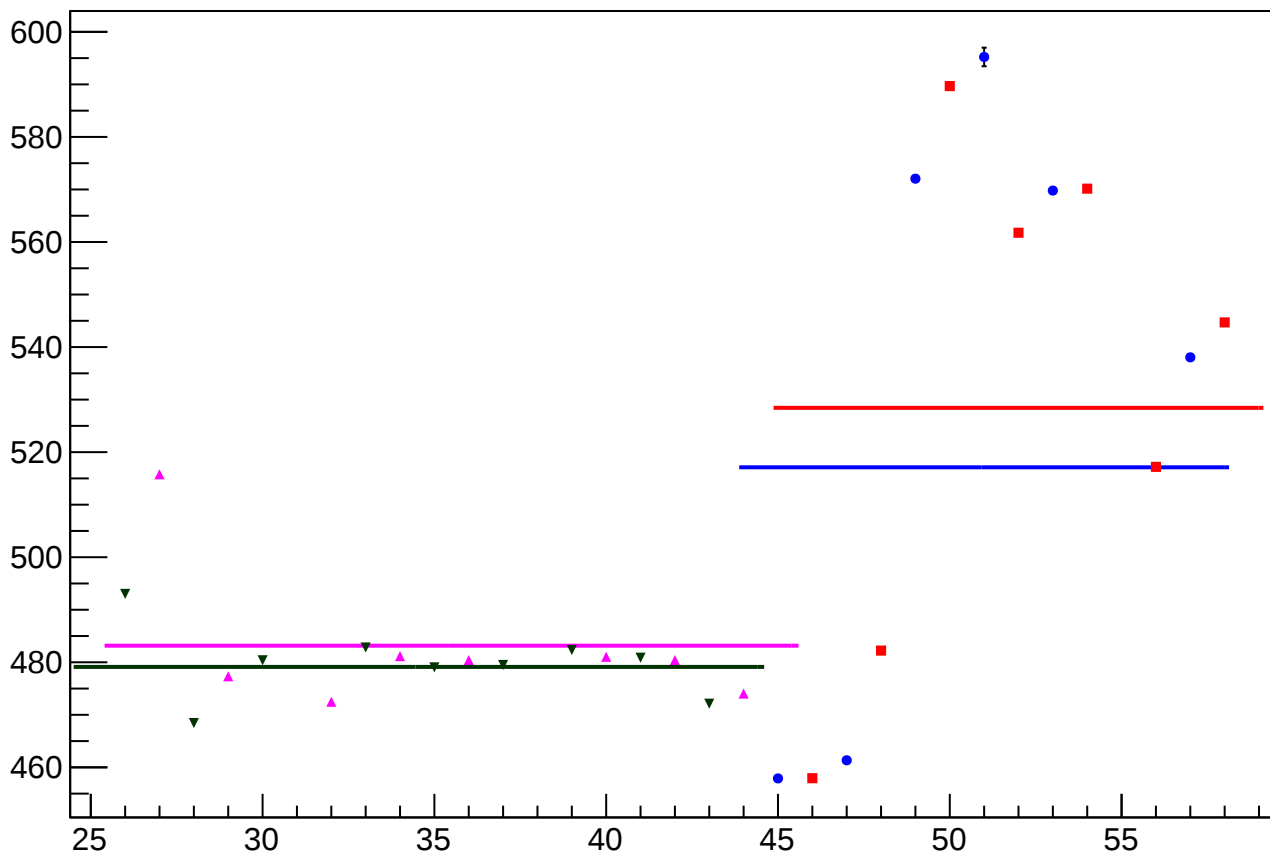
Right Out: 29.387 $\pm$ 284.327 χ^2/NDF : 1.8/6

Left In: -374.119 $\pm$ 214.392 χ^2/NDF : 2.7/7

381.144 $\pm$ 175.703 χ^2/NDF : 14.2/14

-227.859 $\pm$ 171.181 χ^2/NDF : 5.8/14

reg_asym_atr1_rms vs slug



Right In: 517.115 $\pm$ 0.210 χ^2 /NDF: 62550.3/5

Left Out: 479.120 $\pm$ 0.154 χ^2 /NDF:1886.5/8

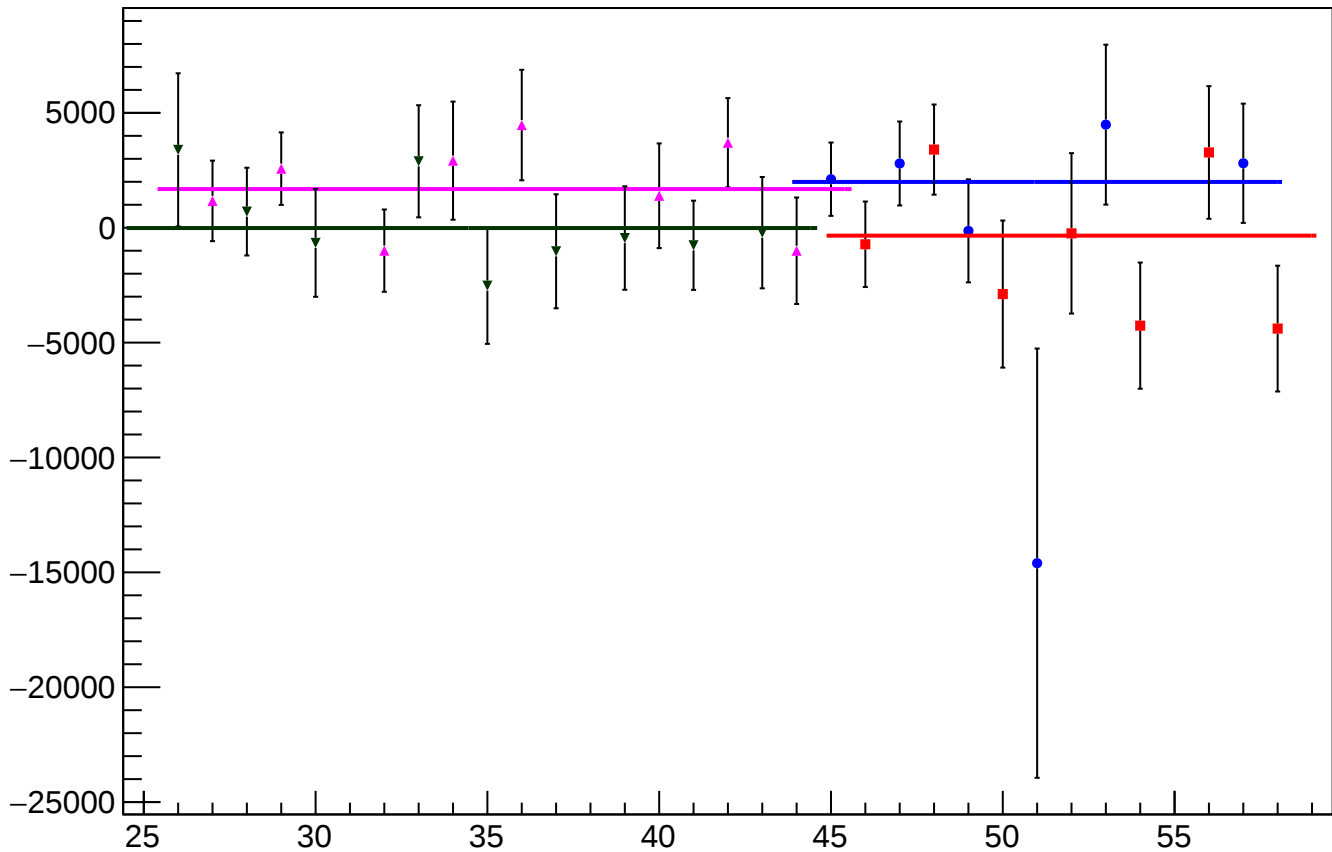
Right Out: 528.436 $\pm$ 0.201 χ^2 /NDF: 50764.8/6

Left In: 483.160 $\pm$ 0.152 χ^2 /NDF:8470.0/7

492.418 $\pm$ 0.124 χ^2 /NDF: 85714.2/14

499.571 $\pm$ 0.121 χ^2 /NDF: 91566.7/14

asym_atr1_correction_mean vs slug



Right In: 1994.132 $\pm$ 939.101 χ^2 /NDF: 4.9/5

Left Out: -13.564 $\pm$ 775.077 χ^2 /NDF: 4.0/8

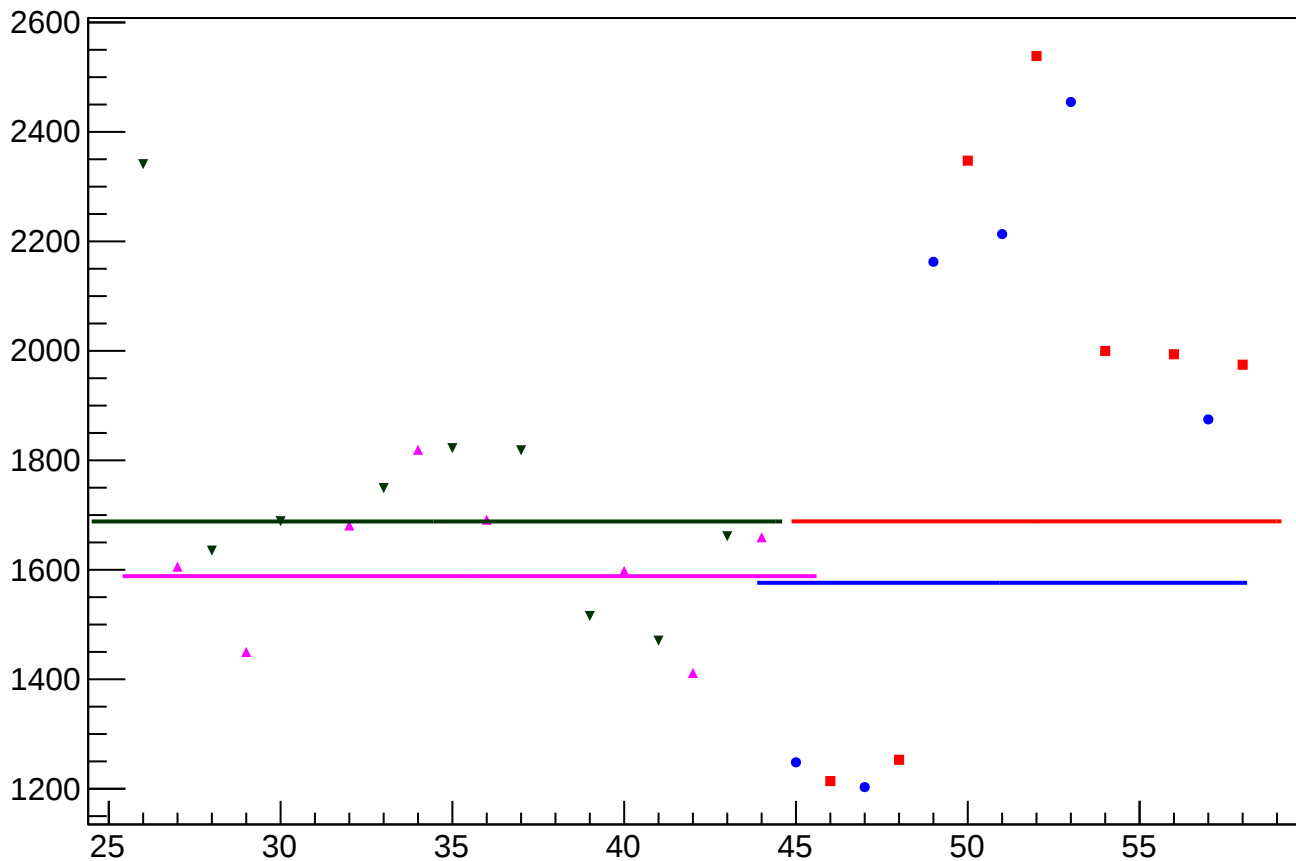
Right Out: -344.121 $\pm$ 947.331 χ^2 /NDF: 10.1/6

Left In: 1683.939 $\pm$ 705.940 χ^2 /NDF: 6.7/7

799.916 $\pm$ 597.774 χ^2 /NDF: 11.6/14

959.842 $\pm$ 566.056 χ^2 /NDF: 19.7/14

asym_atr1_correction_rms vs slug



Right In: 1576.307+/-0.664 χ^2/NDF : 467869.4/5

Left Out: 1688.324+/-0.548 χ^2/NDF :127706.3/8

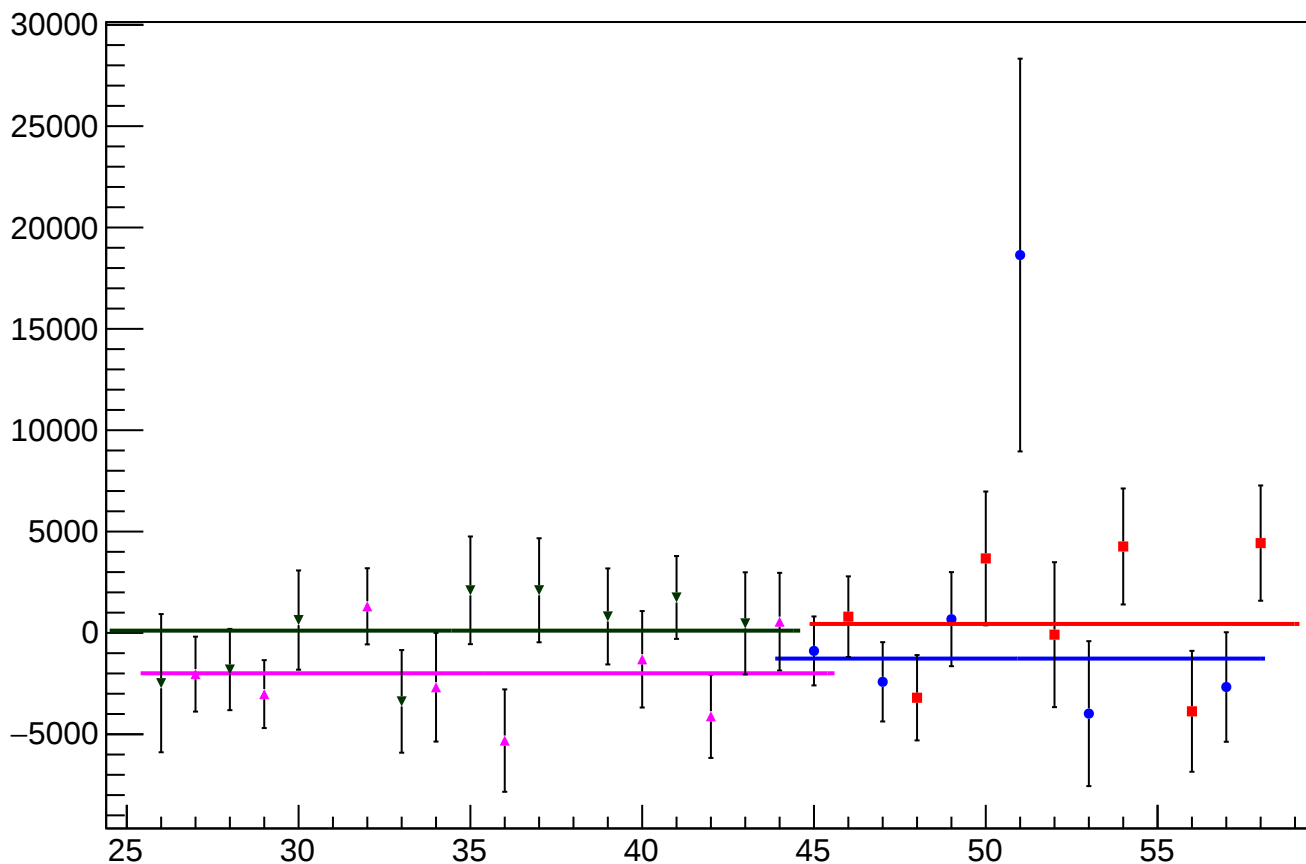
Right Out: 1688.525+/-0.670 χ^2/NDF : 501899.3/6

Left In: 1588.391+/-0.499 χ^2/NDF :59227.6/7

1642.937+/-0.423 χ^2/NDF : 612501.7/14

1624.143+/-0.400 χ^2/NDF : 575494.1/14

asym_atr1_mean vs slug



Right In: -1266.107+/-990.757 χ^2/NDF : 6.2/5

Left Out: 112.152+/-809.295 χ^2/NDF :5.4/8

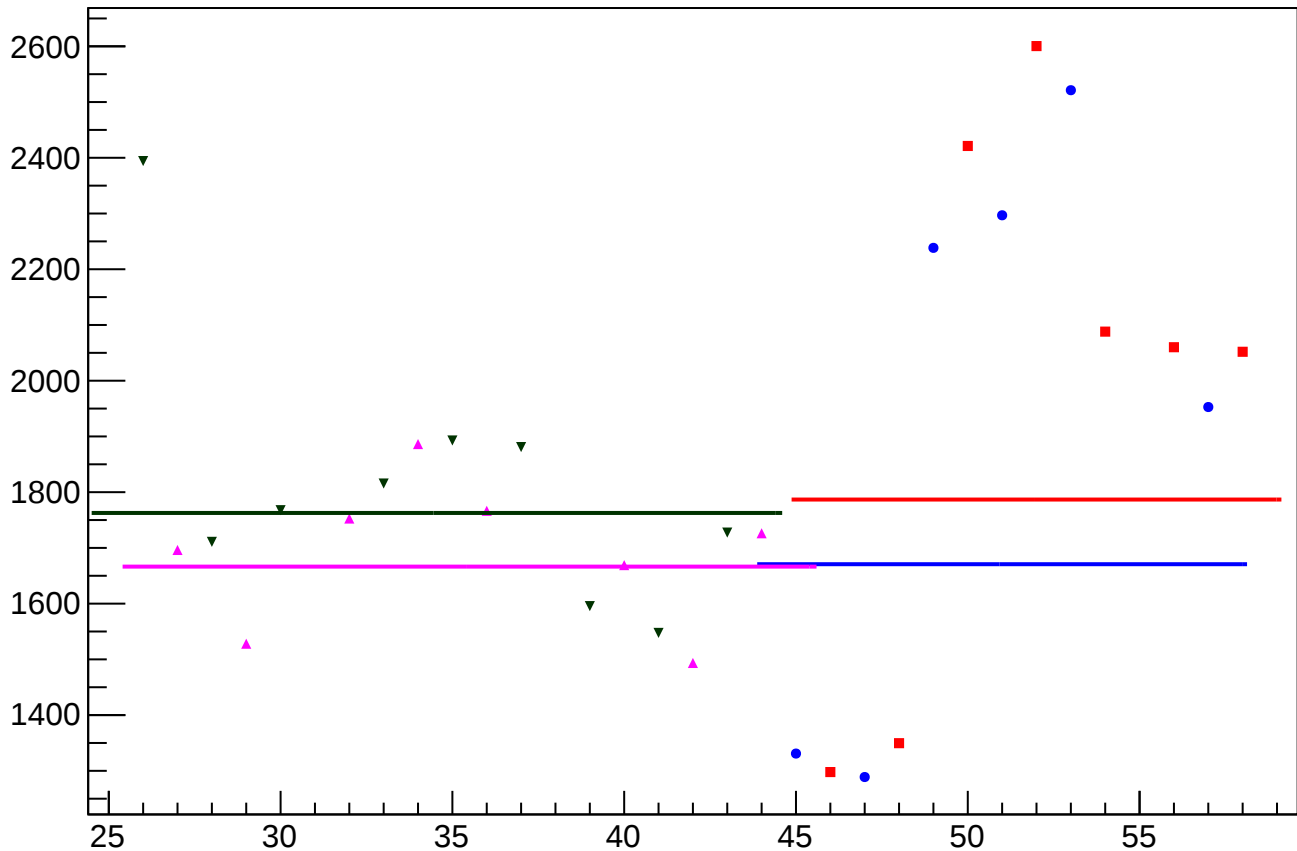
Right Out: 442.800+/-996.745 χ^2/NDF : 9.8/6

Left In: -1991.664+/-742.563 χ^2/NDF :7.5/7

-439.434+/-626.770 χ^2/NDF : 12.7/14

-1122.765+/-595.480 χ^2/NDF : 21.2/14

asym_atr1_rms vs slug



Right In: 1670.755+/-0.701 χ^2 /NDF: 419056.1/5

Left Out: 1762.716+/-0.572 χ^2 /NDF:112433.4/8

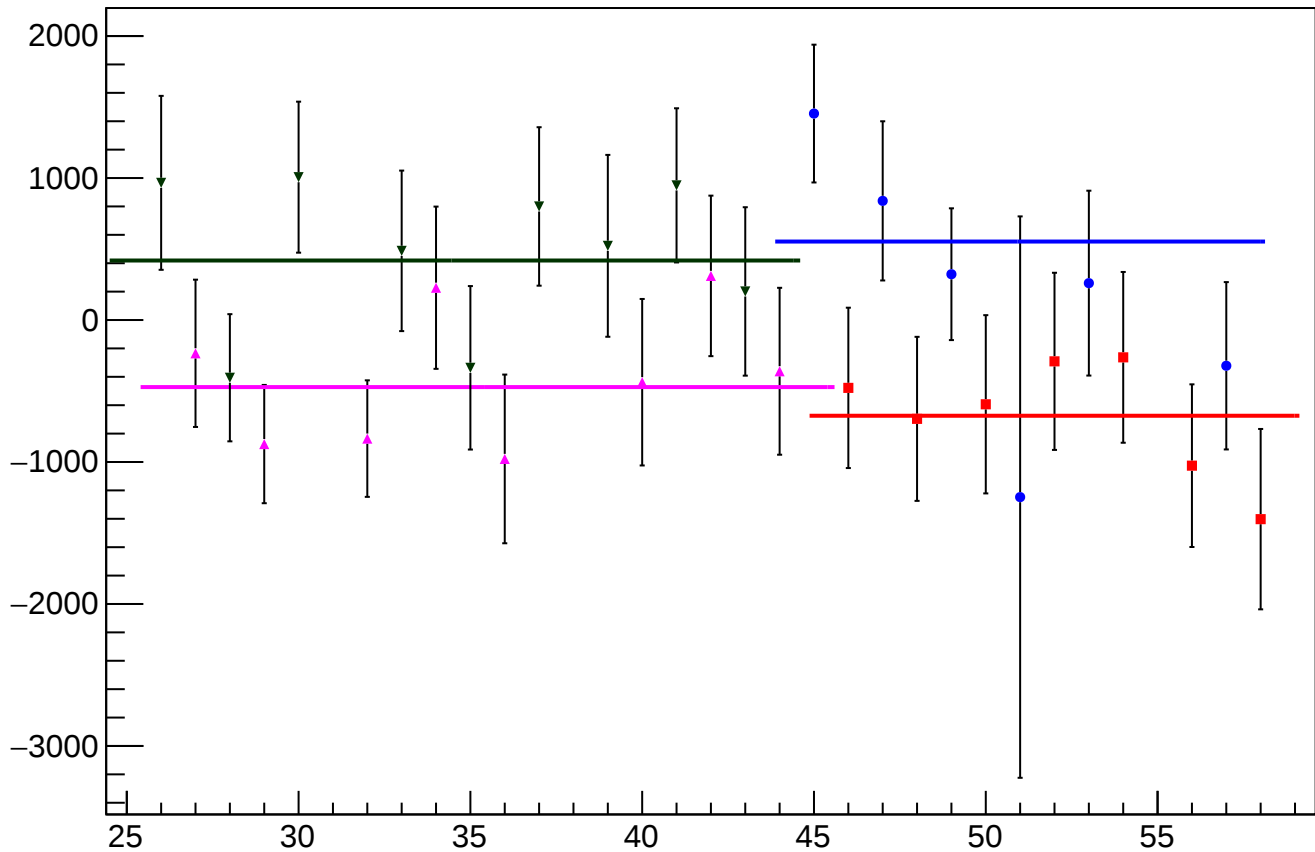
1725.913+/-0.443 χ^2 /NDF: 541824.5/14

Right Out: 1786.775+/-0.705 χ^2 /NDF: 440872.1/6

1709.387+/-0.421 χ^2 /NDF: 509978.1/14

Left In: 1666.436+/-0.525 χ^2 /NDF:50358.5/7

reg_asym_atr2_mean vs slug



Right In: 552.712 $\pm$ 238.581 χ^2 /NDF: 7.2/5

Left Out: 419.150 $\pm$ 185.000 χ^2 /NDF: 8.7/8

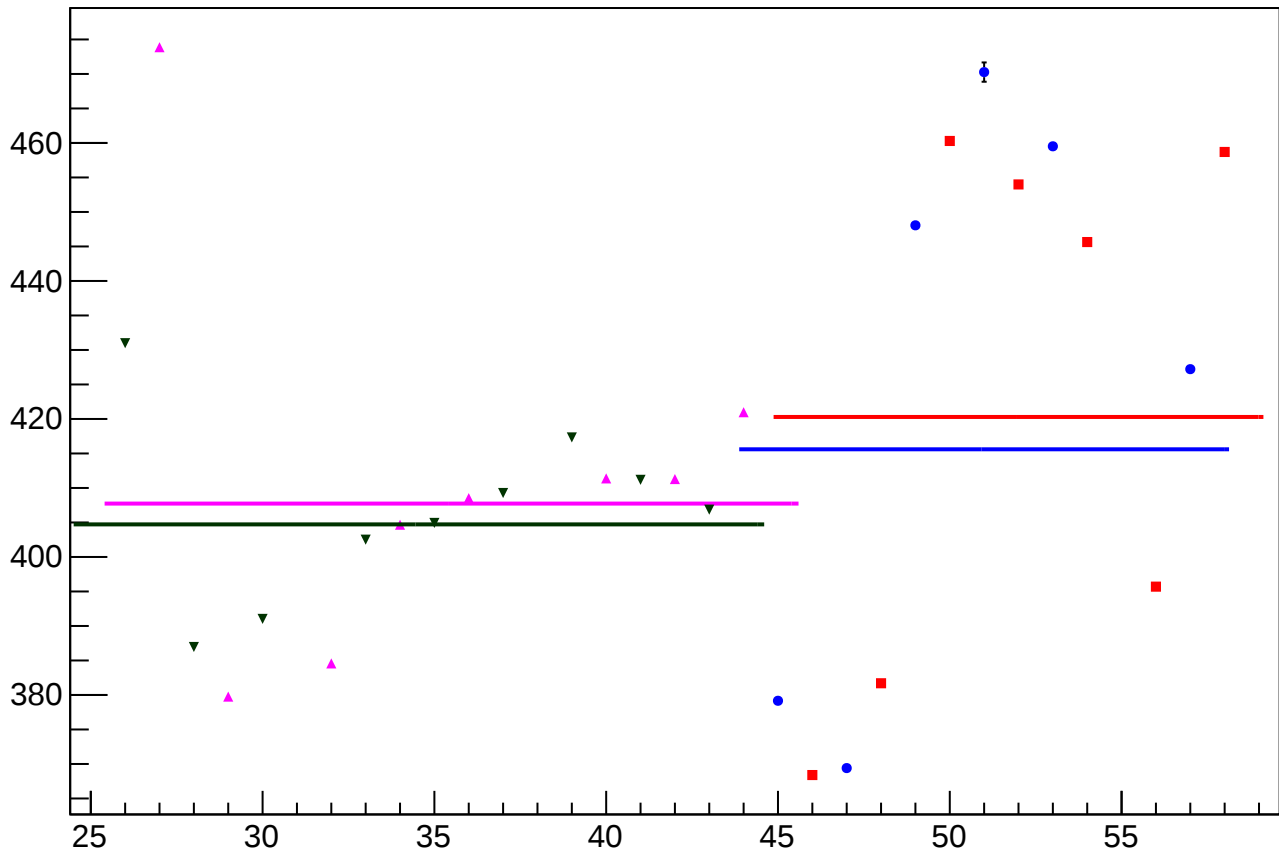
469.302 $\pm$ 146.197 χ^2 /NDF: 16.1/14

Right Out: -674.240 $\pm$ 226.277 χ^2 /NDF: 2.7/6

-551.585 $\pm$ 141.738 χ^2 /NDF: 9.3/14

Left In: -472.383 $\pm$ 181.829 χ^2 /NDF: 6.1/7

reg_asym_atr2_rms vs slug



Right In: 415.604 ± 0.169 χ^2/NDF : 46057.4/5

Left Out: 404.722 ± 0.131 χ^2/NDF : 9396.7/8

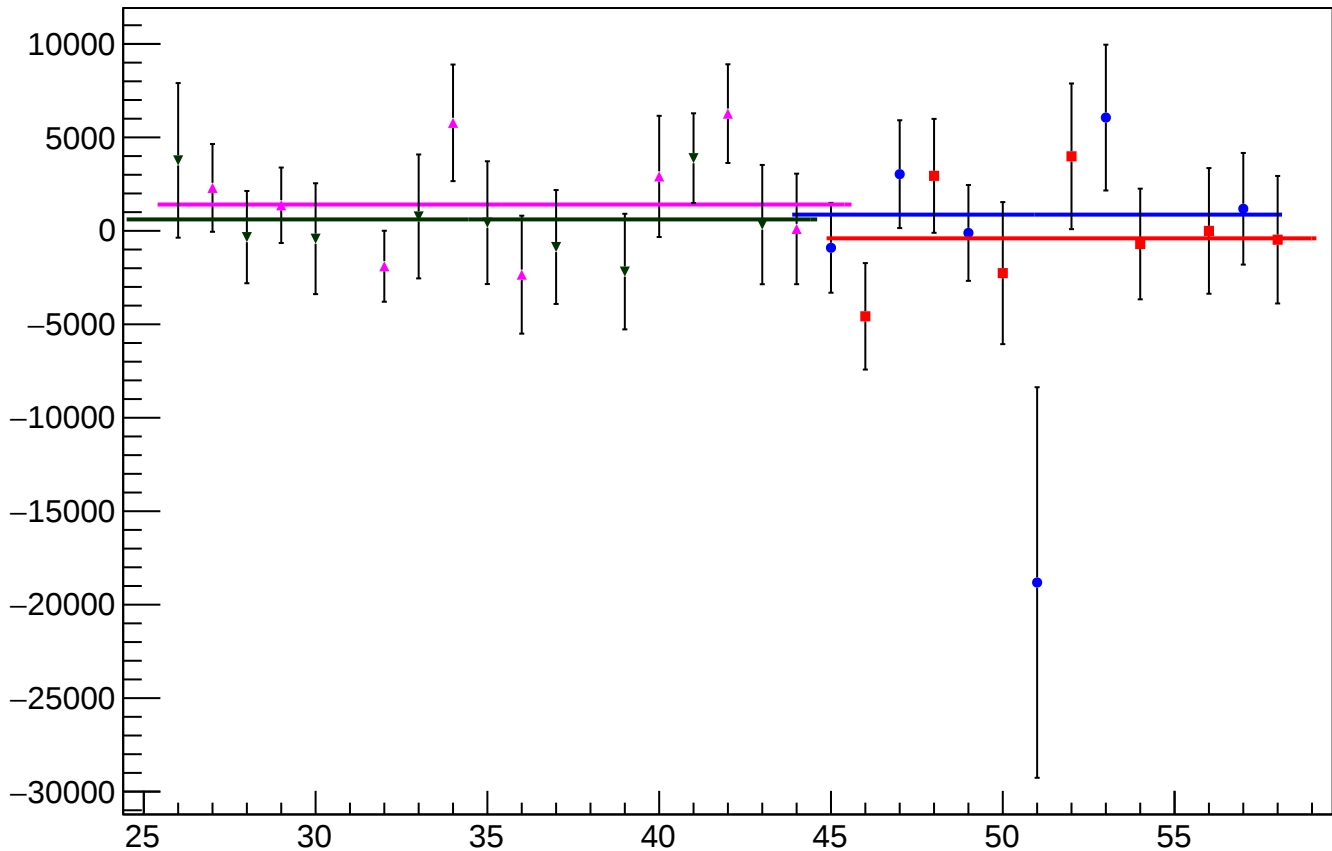
Right Out: 420.291 ± 0.160 χ^2/NDF : 54323.1/6

Left In: 407.737 ± 0.129 χ^2/NDF : 49136.5/7

408.808 ± 0.103 χ^2/NDF : 58052.4/14

412.663 ± 0.100 χ^2/NDF : 107200.4/14

asym_atr2_correction_mean vs slug



Right In: 868.143 $\pm$ 1257.556 χ^2 /NDF: 6.6/5

Left Out: 611.983 $\pm$ 998.079 χ^2 /NDF: 3.8/8

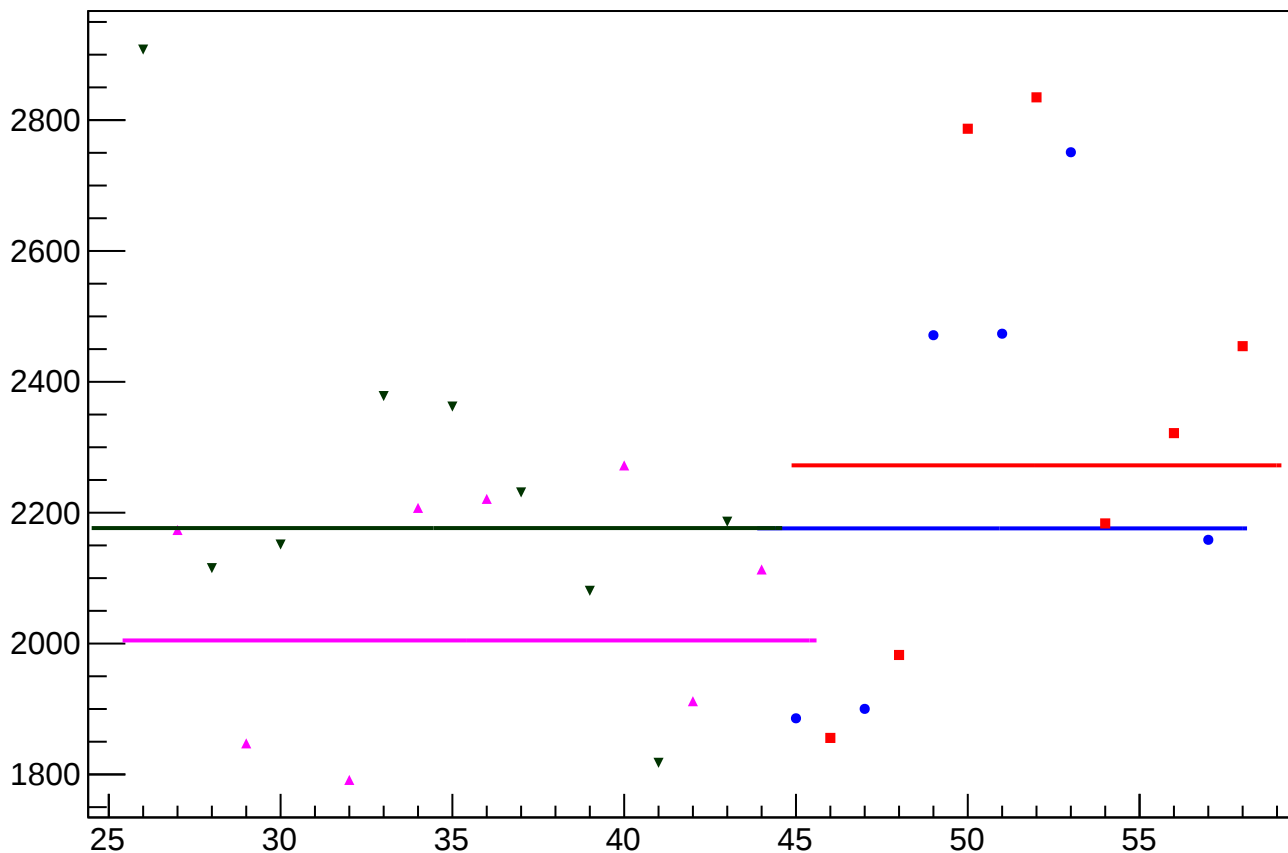
Right Out: -400.577 $\pm$ 1235.994 χ^2 /NDF: 4.9/6

Left In: 1408.067 $\pm$ 890.882 χ^2 /NDF: 10.3/7

710.981 $\pm$ 781.779 χ^2 /NDF: 10.4/14

789.691 $\pm$ 722.713 χ^2 /NDF: 16.6/14

asym_atr2_correction_rms vs slug



Right In: 2176.031+/-0.889 χ^2/NDF : 119095.9/5

Left Out: 2176.497+/-0.706 χ^2/NDF :124899.3/8

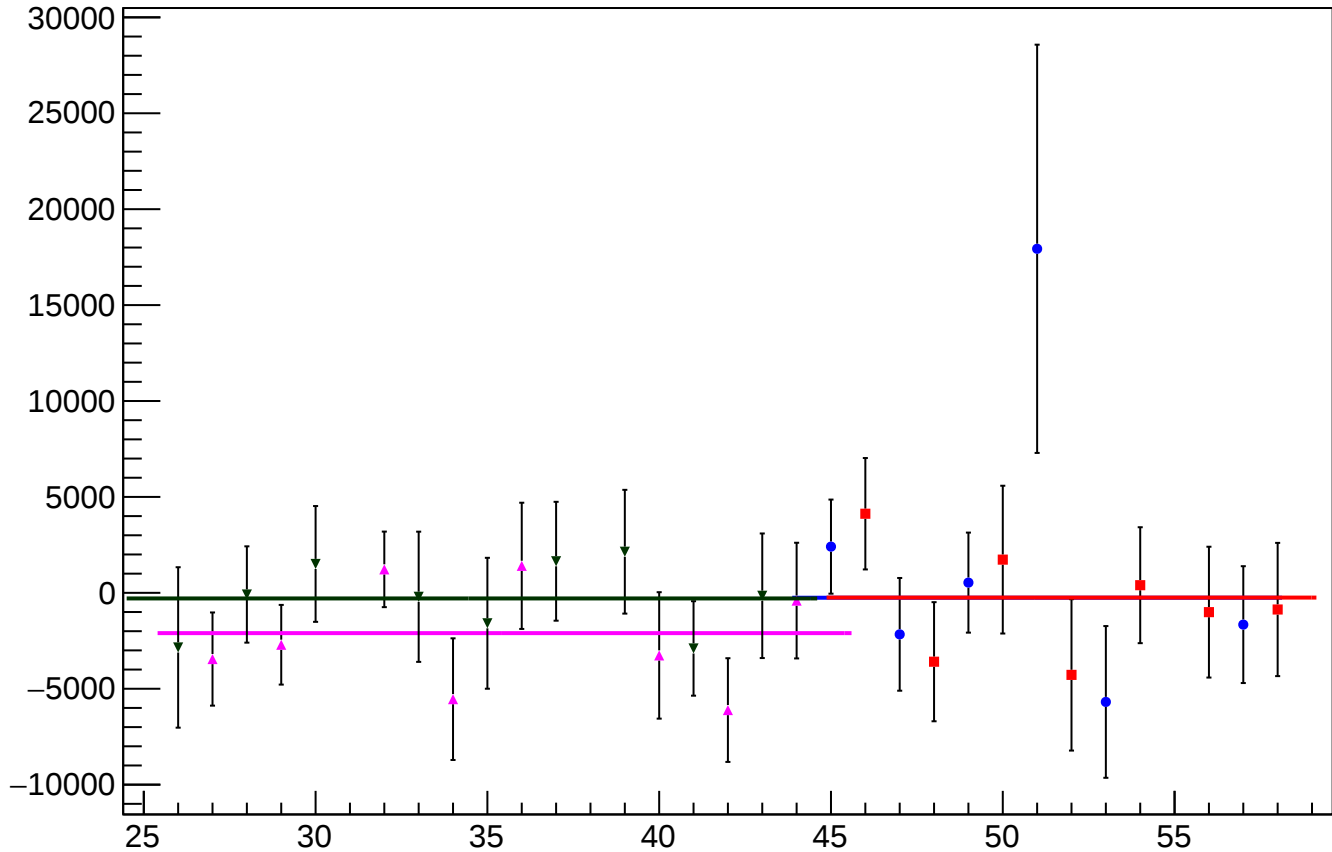
Right Out: 2272.353+/-0.874 χ^2/NDF : 147137.1/6

Left In: 2004.754+/-0.630 χ^2/NDF :84278.5/7

2176.317+/-0.553 χ^2/NDF : 243995.4/14

2096.246+/-0.511 χ^2/NDF : 293111.8/14

asym_atr2_mean vs slug



Right In: -255.493+/-1280.733 χ^2/NDF : 6.7/5

Left Out: -292.554+/-1021.514 χ^2/NDF : 3.0/8

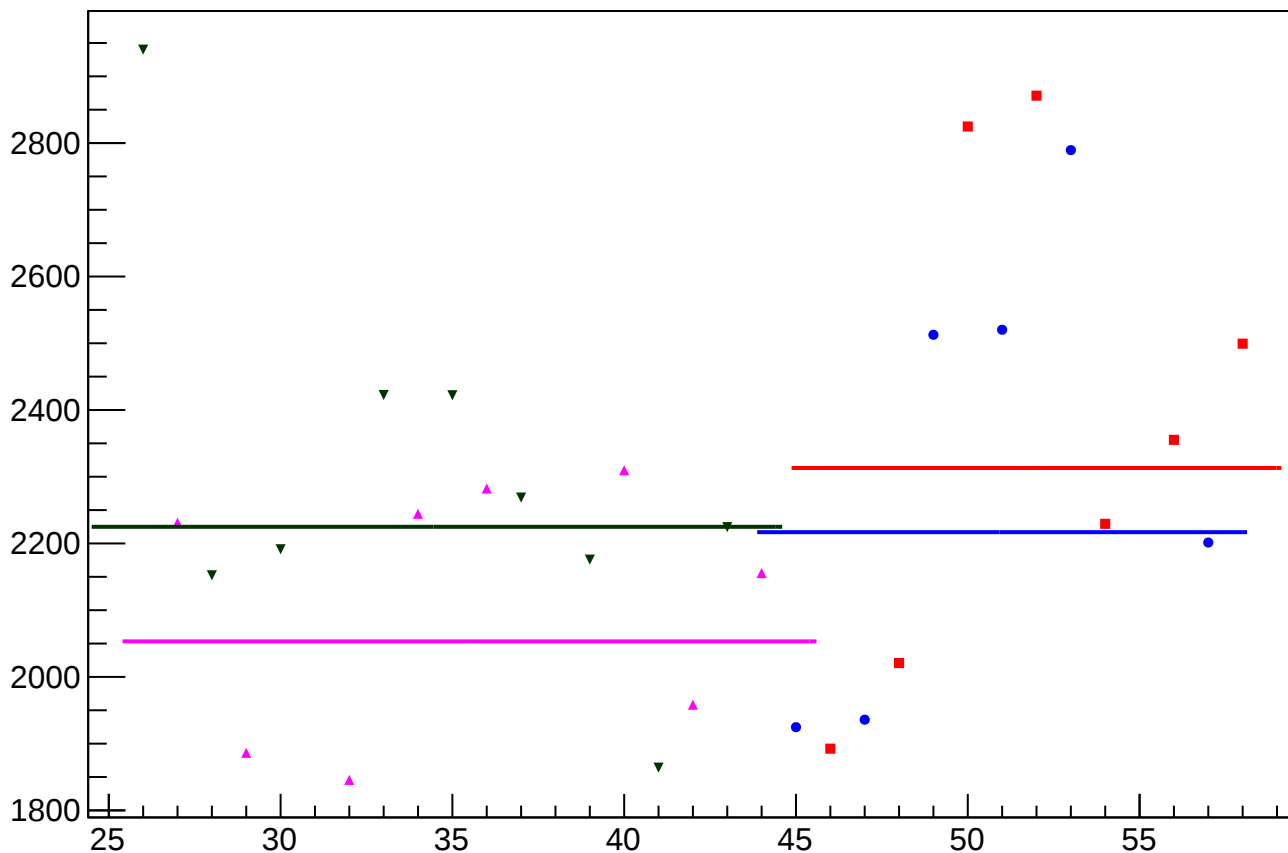
Right Out: -247.686+/-1257.515 χ^2/NDF : 4.9/6

Left In: -2100.632+/-916.751 χ^2/NDF : 8.2/7

-278.144+/-798.602 χ^2/NDF : 9.7/14

-1457.602+/-740.794 χ^2/NDF : 14.5/14

asym_atr2_rms vs slug



Right In: 2216.912+/-0.906 χ^2/NDF : 116006.2/5

Left Out: 2224.962+/-0.722 χ^2/NDF : 117664.9/8

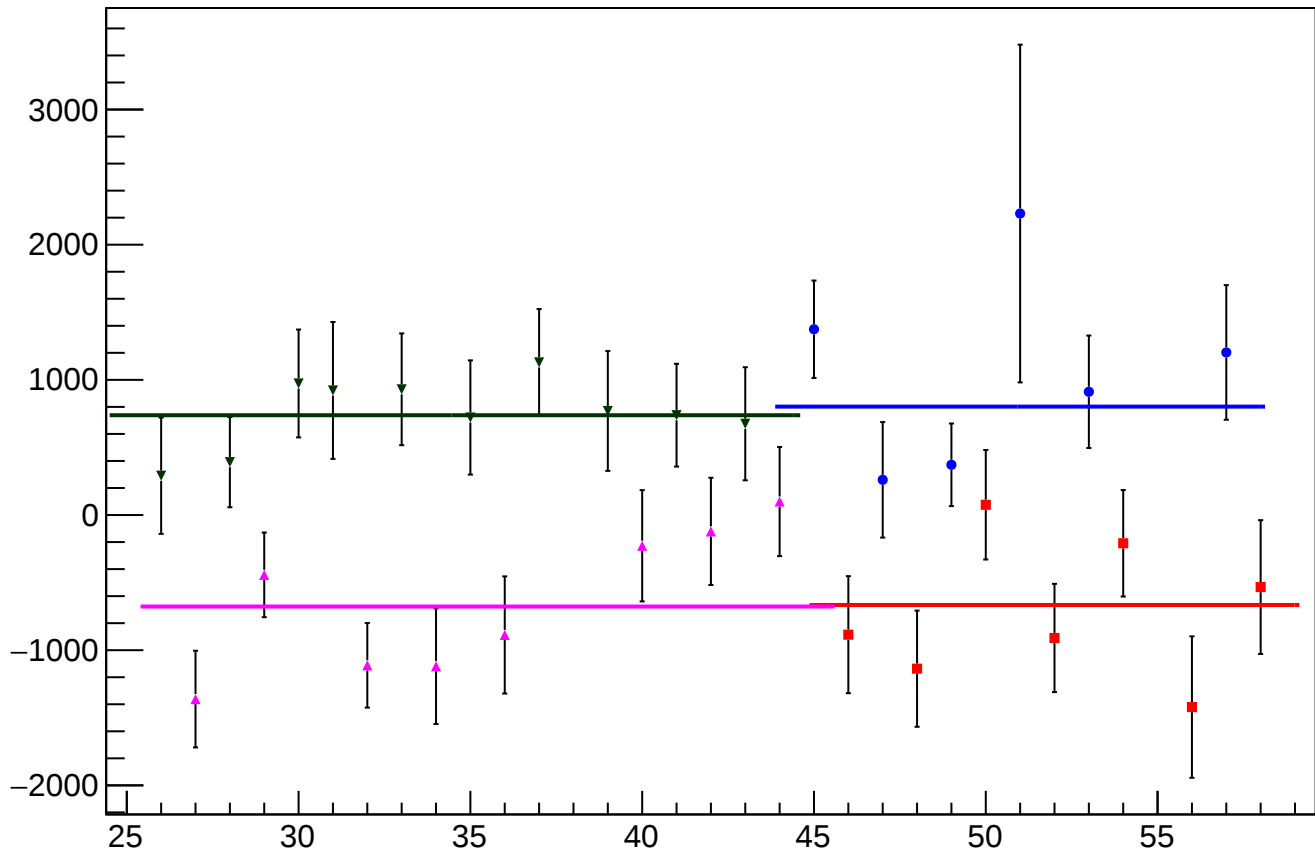
Right Out: 2313.141+/-0.889 χ^2/NDF : 142579.6/6

Left In: 2053.263+/-0.648 χ^2/NDF : 79708.2/7

2221.832+/-0.565 χ^2/NDF : 233719.3/14

2143.448+/-0.524 χ^2/NDF : 278062.1/14

reg_asym_atl_avg_mean vs slug



Right In: 802.111+/-170.665 χ^2/NDF : 8.1/5

Left Out: 738.316+/-128.954 χ^2/NDF : 3.9/9

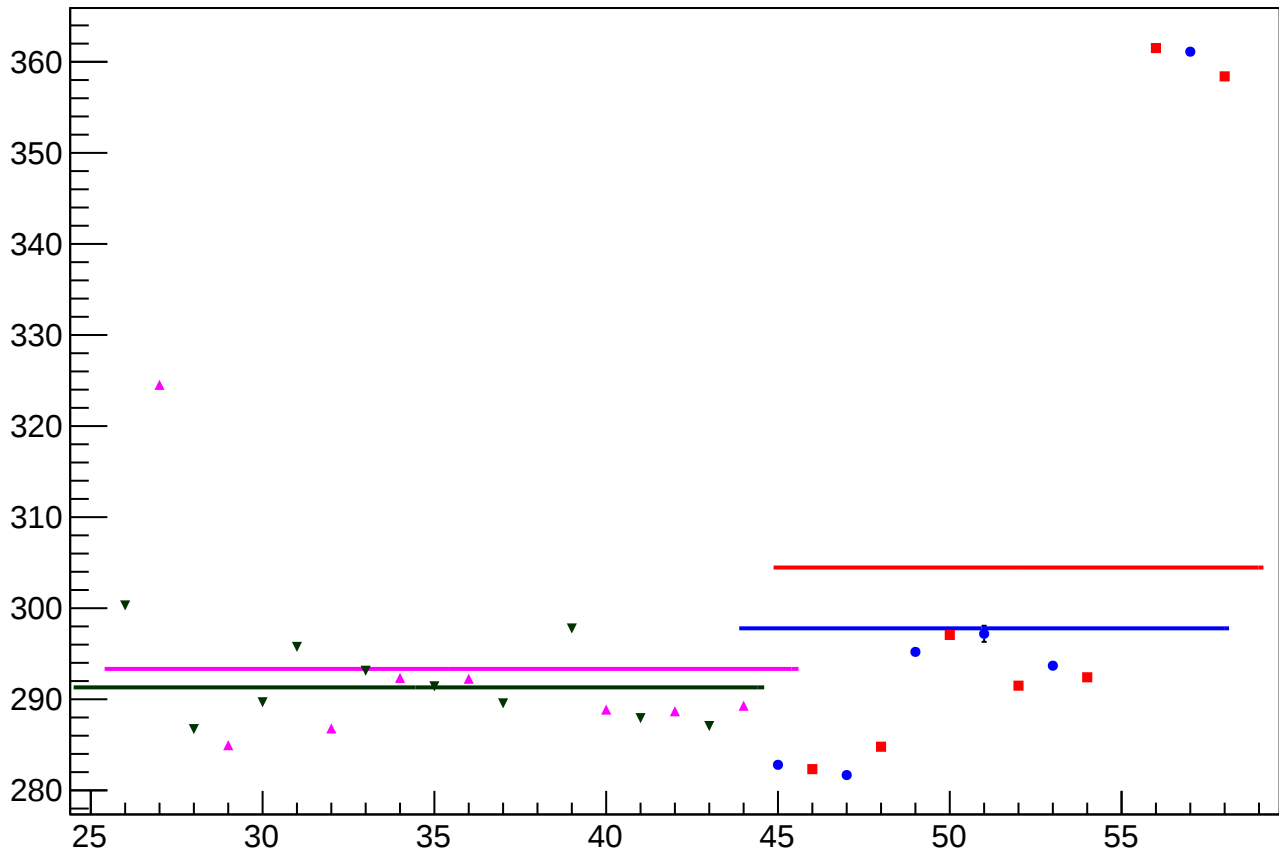
Right Out: -665.450+/-163.827 χ^2/NDF : 8.7/6

Left In: -676.938+/-131.978 χ^2/NDF : 14.3/7

761.501+/-102.886 χ^2/NDF : 12.1/15

-672.417+/-102.776 χ^2/NDF : 23.0/14

reg_asym_atl_avg_rms vs slug



Right In: 297.791+/-0.121 χ^2/NDF : 38981.2/5

Left Out: 291.305+/-0.091 χ^2/NDF : 2308.5/9

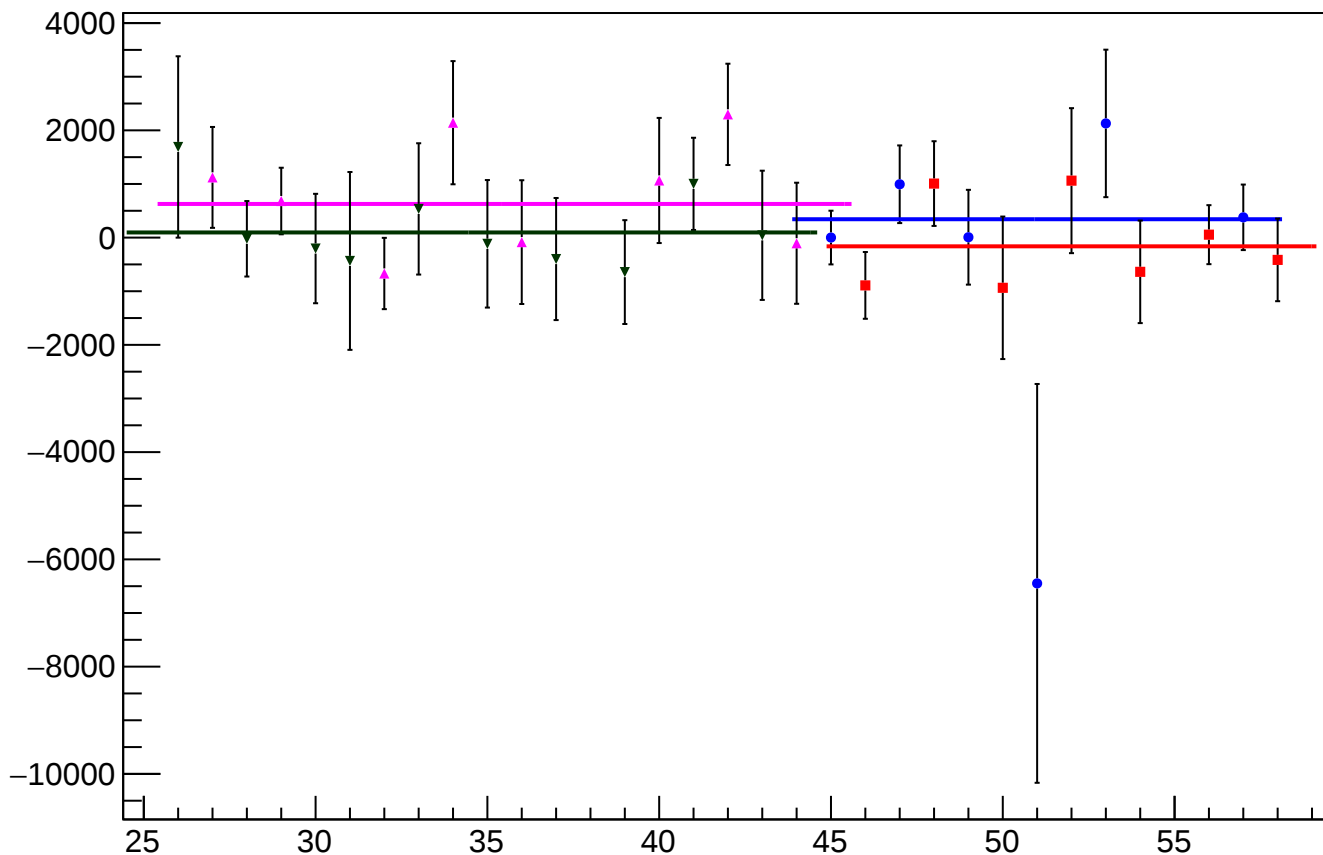
293.662+/-0.073 χ^2/NDF : 43128.2/15

Right Out: 304.468+/-0.116 χ^2/NDF : 61564.8/6

297.717+/-0.073 χ^2/NDF : 85421.3/14

Left In: 293.335+/-0.093 χ^2/NDF : 18255.8/7

asym_atl_avg_correction_mean vs slug



Right In: 342.495+/-309.212 χ^2/NDF : 6.4/5

Left Out: 95.958+/-334.285 χ^2/NDF : 3.2/9

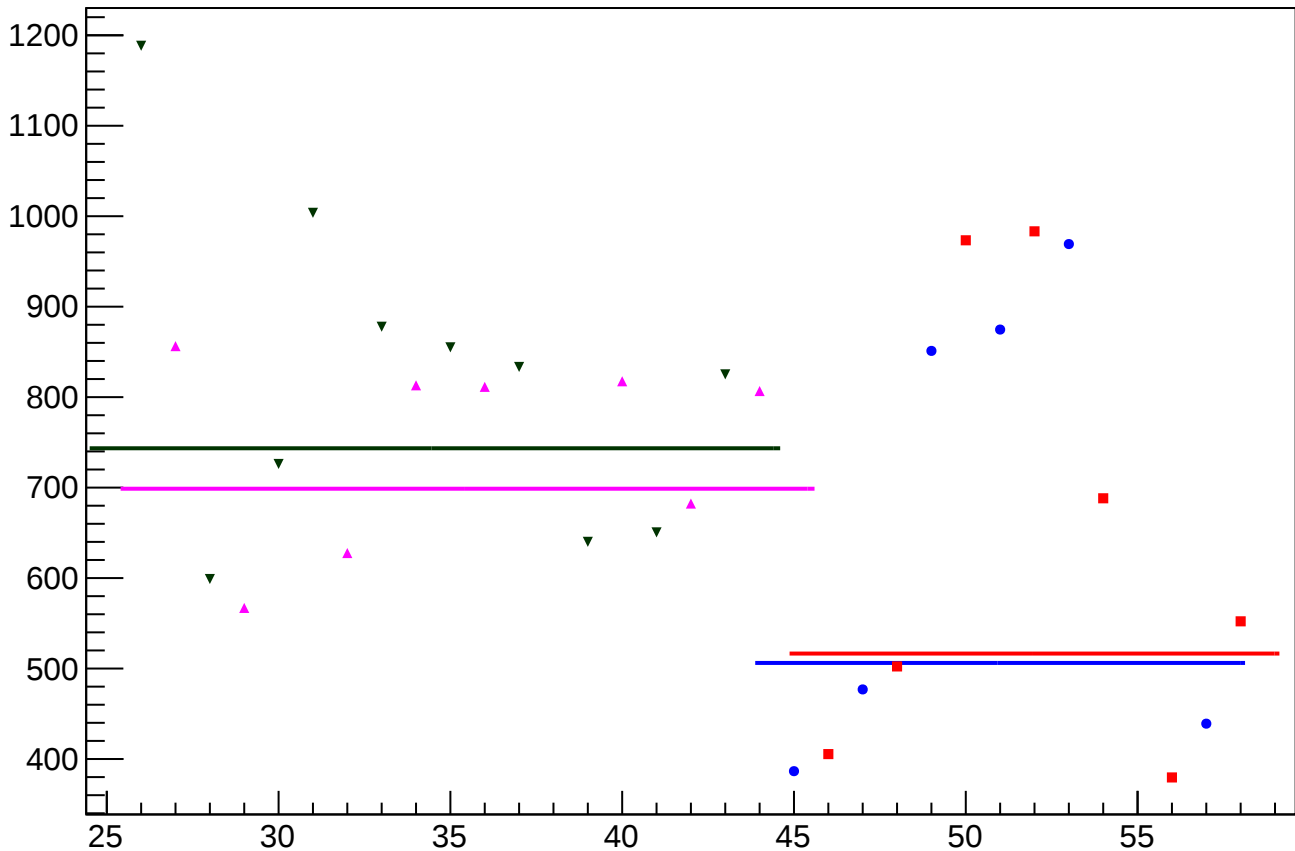
Right Out: -162.703+/-296.411 χ^2/NDF : 5.2/6

Left In: 627.377+/-314.053 χ^2/NDF : 9.9/7

228.818+/-226.993 χ^2/NDF : 9.9/15

209.523+/-215.562 χ^2/NDF : 18.5/14

asym_atl_avg_correction_rms vs slug



Right In: 506.193+/-0.219 χ^2/NDF : 692687.6/5

Left Out: 743.480+/-0.236 χ^2/NDF : 382282.6/9

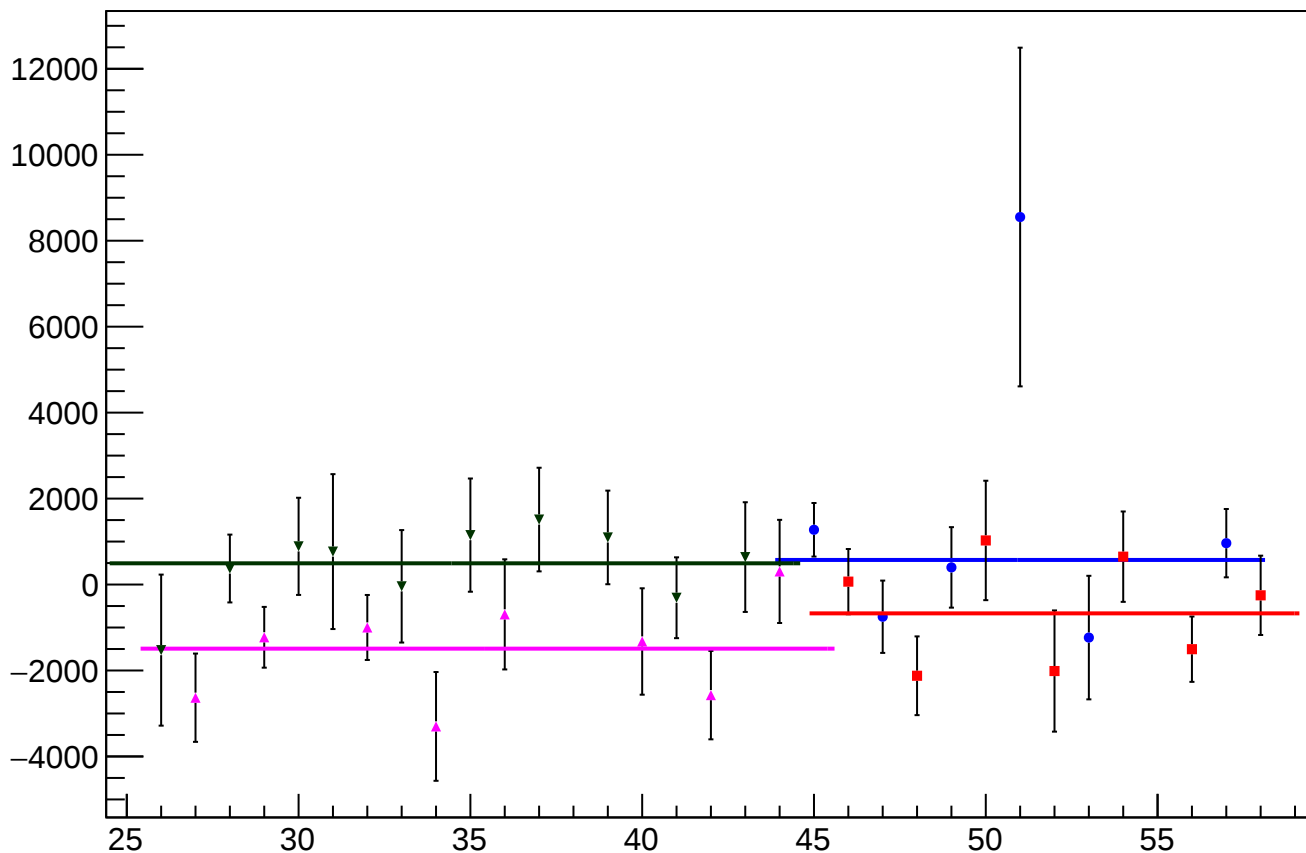
Right Out: 516.555+/-0.210 χ^2/NDF : 731948.7/6

Left In: 698.770+/-0.222 χ^2/NDF : 247659.3/7

615.605+/-0.161 χ^2/NDF : 1618039.3/15

602.401+/-0.152 χ^2/NDF : 1335685.6/14

asym_atl_avg_mean vs slug



Right In: 572.143 $\pm$ 371.157 χ^2/NDF : 9.7/5

Left Out: 494.045 $\pm$ 366.212 χ^2/NDF : 3.7/9

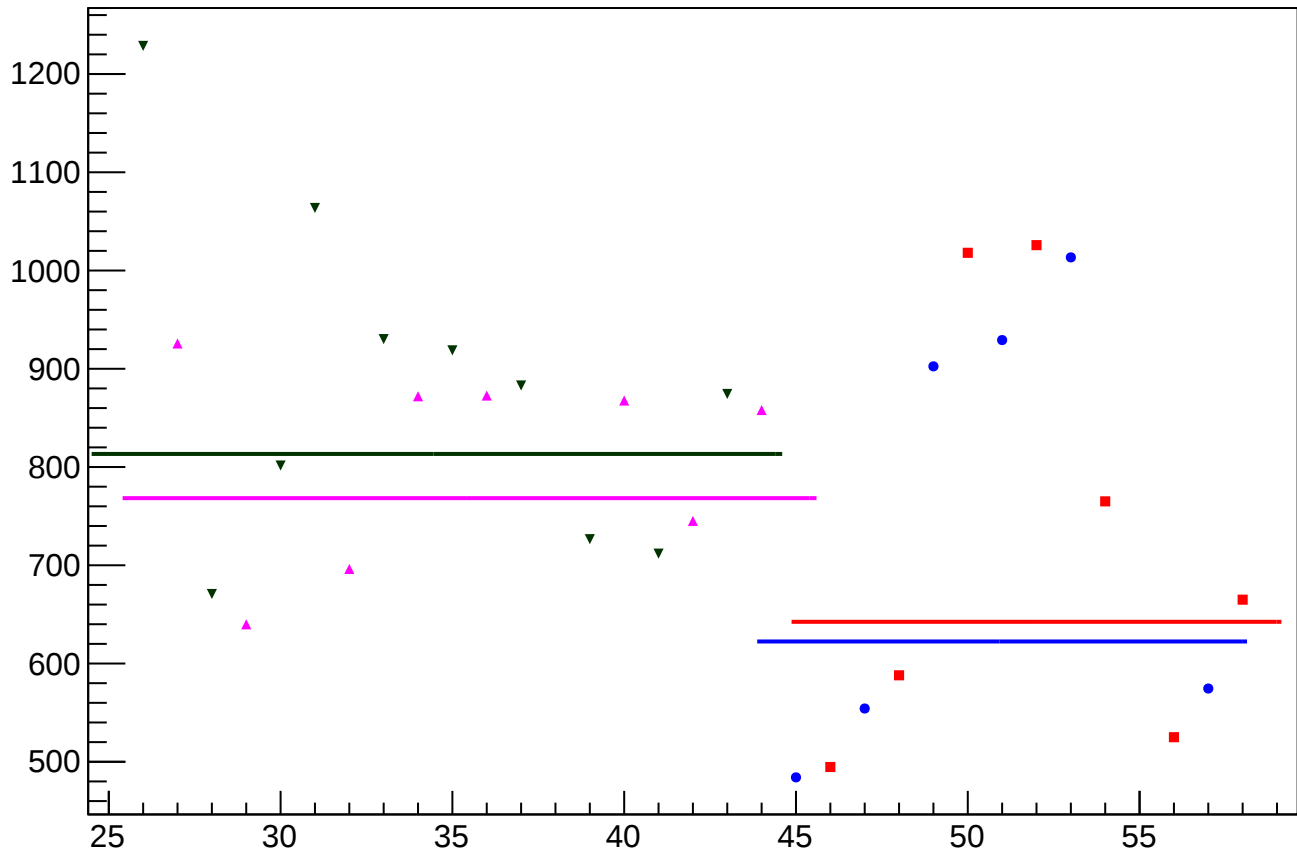
Right Out: -670.736 $\pm$ 359.017 χ^2/NDF : 8.8/6

Left In: -1491.627 $\pm$ 348.747 χ^2/NDF : 7.6/7

532.570 $\pm$ 260.682 χ^2/NDF : 13.4/15

-1093.091 $\pm$ 250.153 χ^2/NDF : 19.1/14

asym_atl_avg_rms vs slug



Right In: 622.445+/-0.262 χ^2/NDF : 457862.5/5

Left Out: 813.323+/-0.259 χ^2/NDF : 291804.3/9

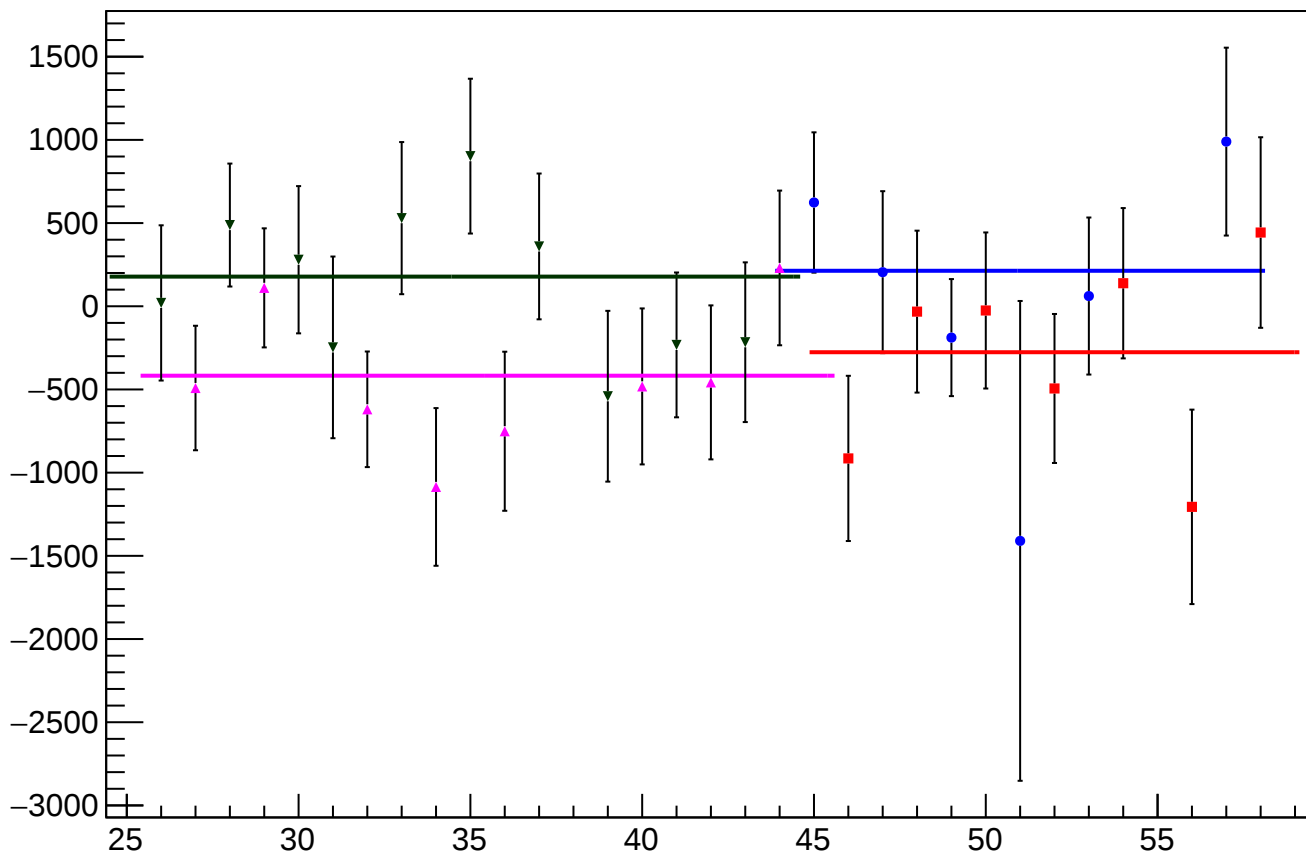
Right Out: 642.469+/-0.254 χ^2/NDF : 453016.2/6

Left In: 768.326+/-0.247 χ^2/NDF : 182845.3/7

719.164+/-0.184 χ^2/NDF : 1017695.5/15

707.223+/-0.177 χ^2/NDF : 762318.9/14

reg_asym_atl_dd_mean vs slug



Right In: 213.287 $\pm$ 195.973 χ^2 /NDF: 5.5/5

Left Out: 178.217 $\pm$ 143.718 χ^2 /NDF: 8.2/9

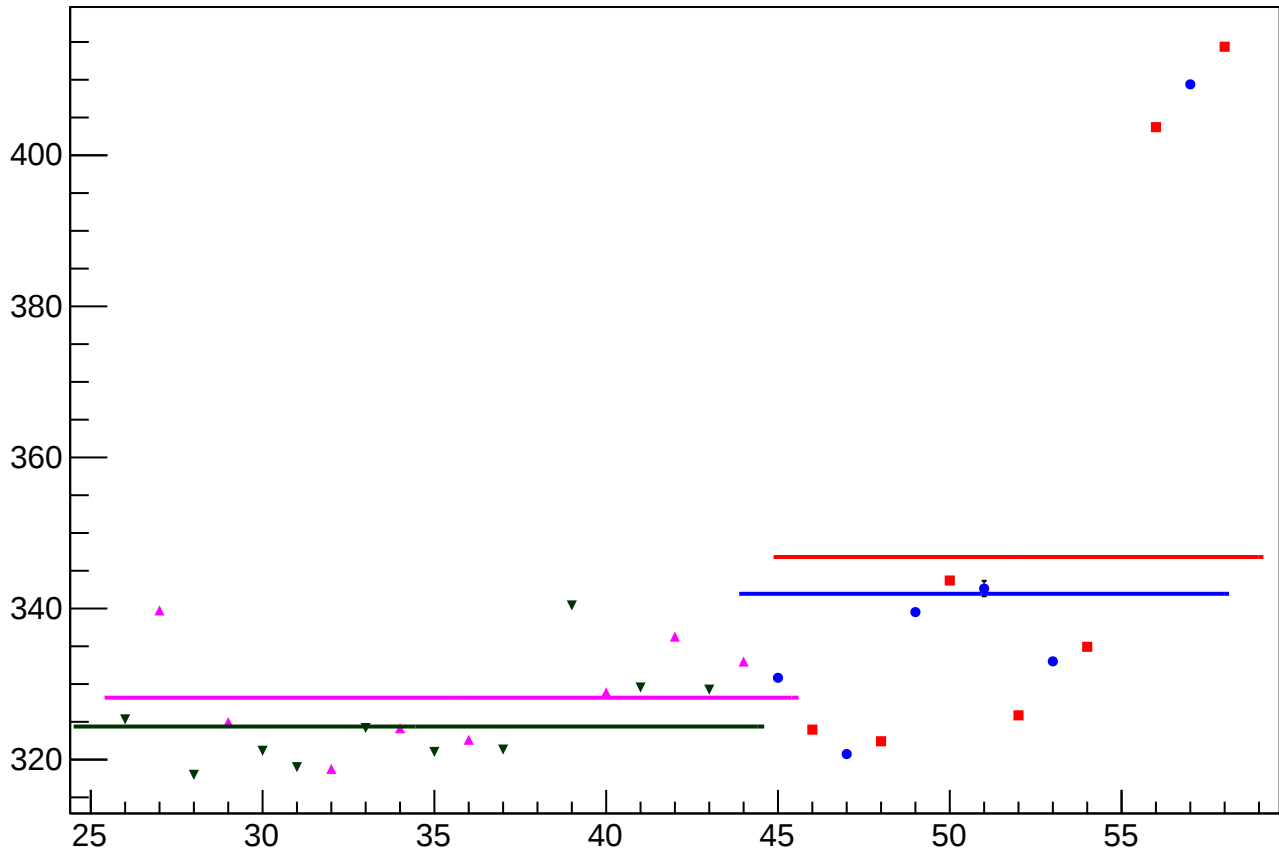
Right Out: -276.214 $\pm$ 186.686 χ^2 /NDF: 7.4/6

Left In: -417.319 $\pm$ 147.577 χ^2 /NDF: 7.0/7

190.482 $\pm$ 115.894 χ^2 /NDF: 13.7/15

-363.054 $\pm$ 115.772 χ^2 /NDF: 14.7/14

reg_asym_atl_dd_rms vs slug



Right In: 341.950+/-0.139 χ^2/NDF : 34539.8/5

Left Out: 324.377+/-0.102 χ^2/NDF : 3549.0/9

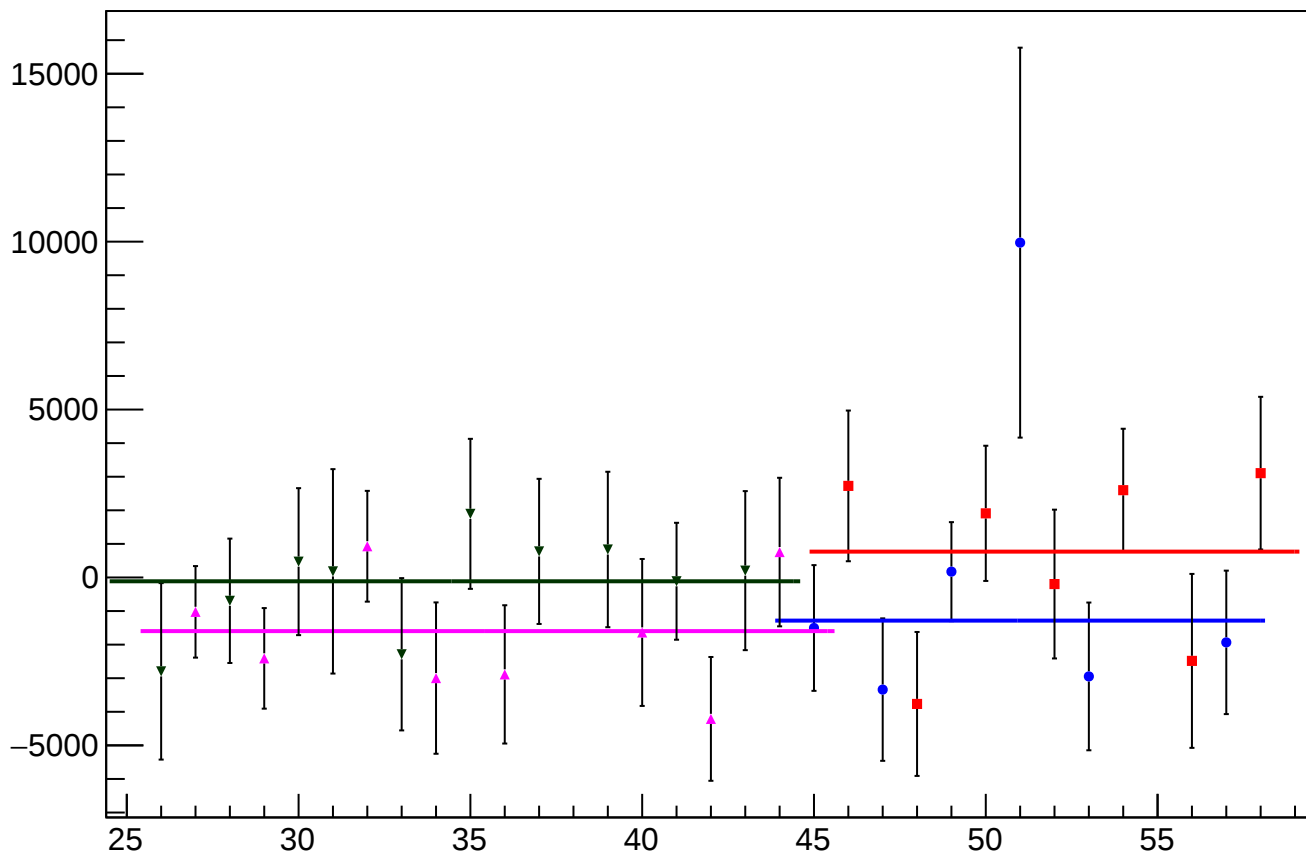
330.523+/-0.082 χ^2/NDF : 48545.5/15

Right Out: 346.818+/-0.132 χ^2/NDF : 61919.1/6

335.358+/-0.082 χ^2/NDF : 78951.2/14

Left In: 328.197+/-0.104 χ^2/NDF : 4786.7/7

asym_atl_dd_correction_mean vs slug



Right In: -1284.763+/-838.201 χ^2/NDF : 6.4/5

Left Out: -113.667+/-697.189 χ^2/NDF : 3.3/9

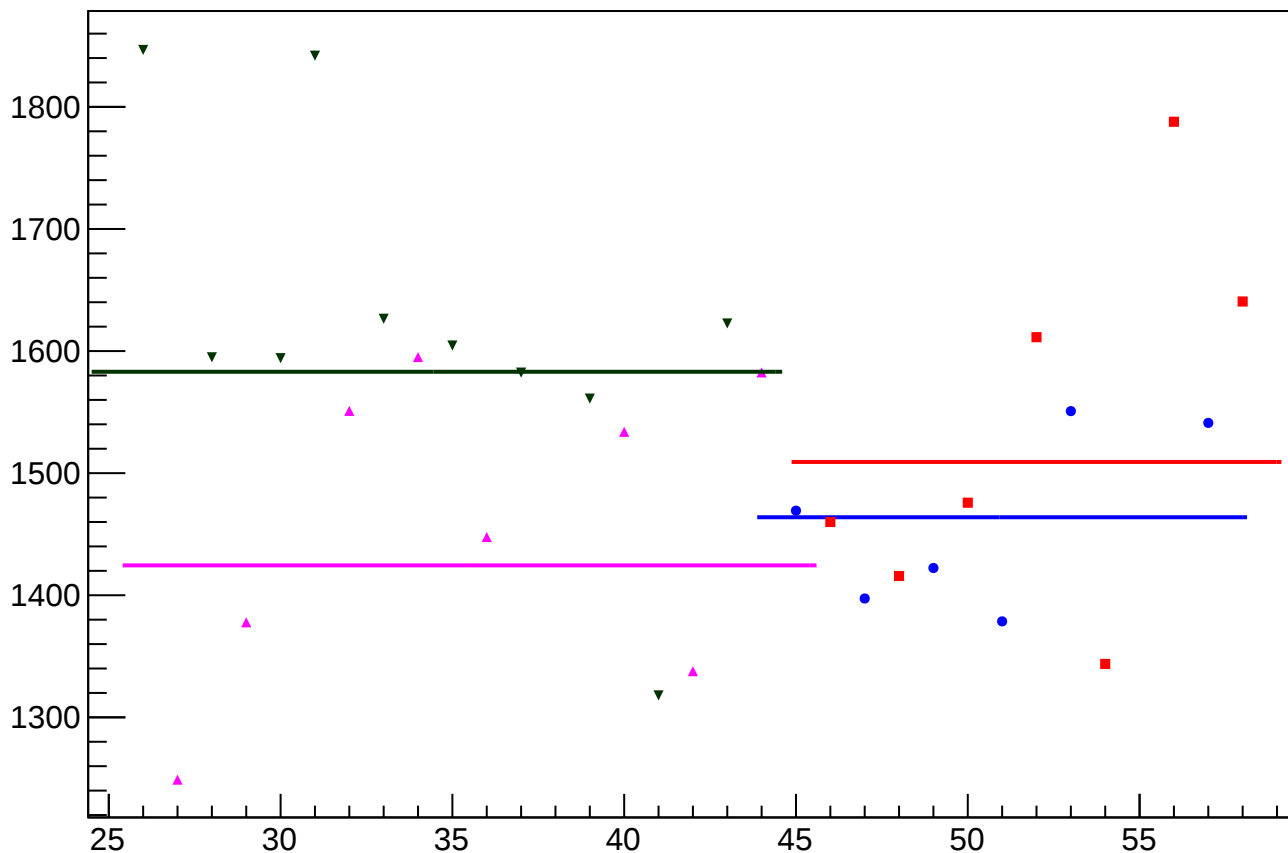
Right Out: 769.573+/-814.233 χ^2/NDF : 9.4/6

Left In: -1597.547+/-633.459 χ^2/NDF : 6.7/7

-592.560+/-536.008 χ^2/NDF : 10.8/15

-705.031+/-499.973 χ^2/NDF : 21.4/14

asym_atl_dd_correction_rms vs slug



Right In: 1463.885+/-0.593 χ^2/NDF : 9748.7/5

Left Out: 1583.049+/-0.493 χ^2/NDF : 82755.6/9

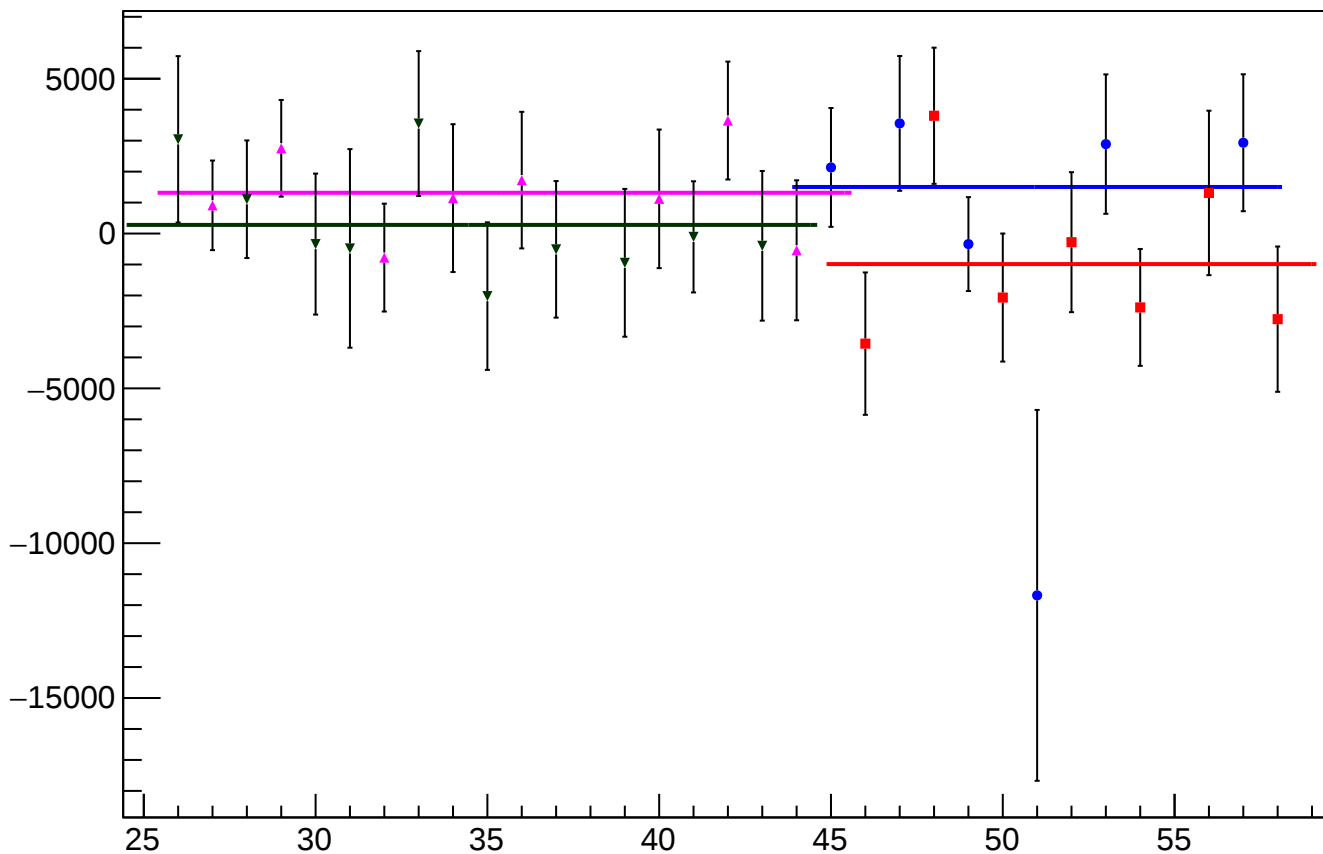
1534.320+/-0.379 χ^2/NDF : 116397.1/15

Right Out: 1509.195+/-0.576 χ^2/NDF : 55759.1/6

1456.421+/-0.354 χ^2/NDF : 147461.1/14

Left In: 1424.479+/-0.448 χ^2/NDF : 78214.9/7

asym_atl_dd_mean vs slug



Right In: 1504.239 $\pm$ 861.503 χ^2 /NDF: 8.1/5

Left Out: 278.907 $\pm$ 720.229 χ^2 /NDF: 4.8/9

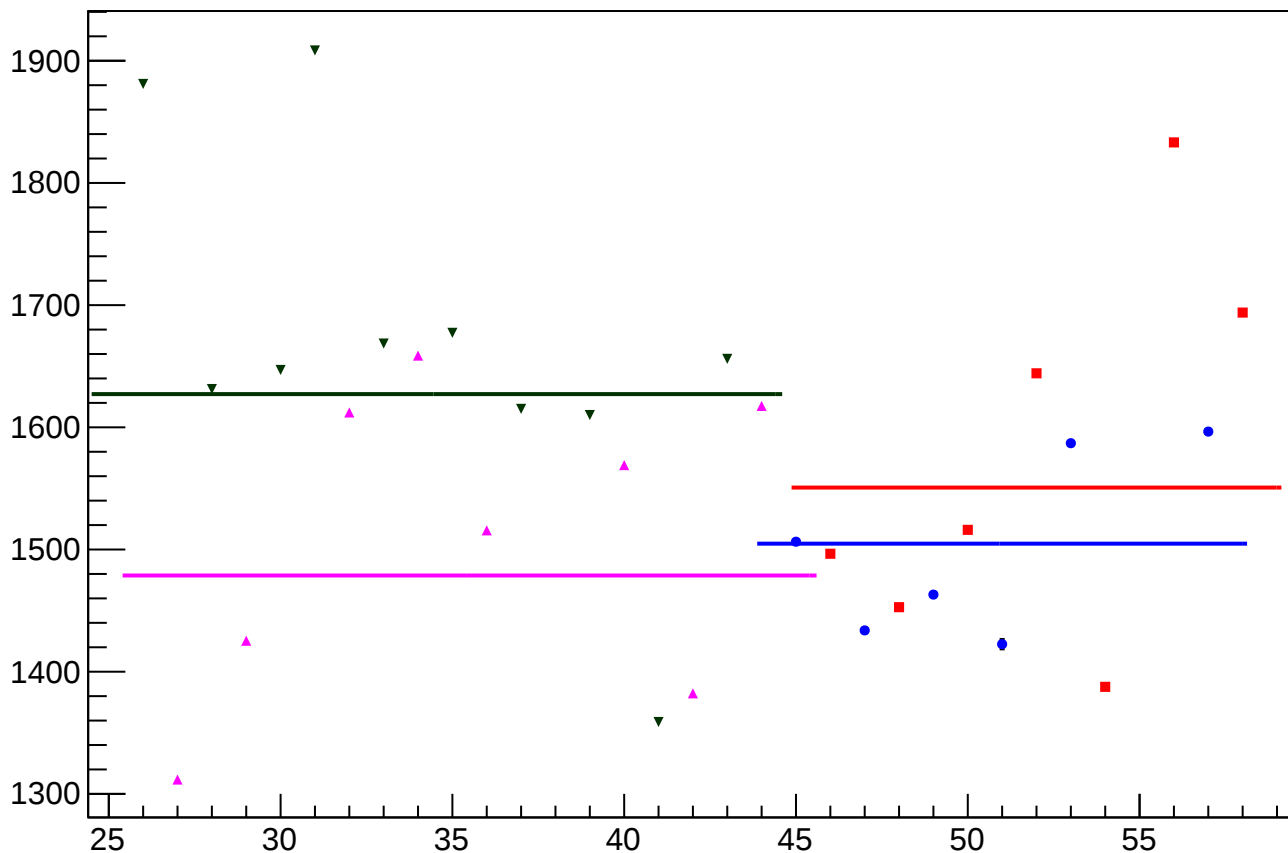
Right Out: -986.060 $\pm$ 836.288 χ^2 /NDF: 8.2/6

Left In: 1317.055 $\pm$ 663.629 χ^2 /NDF: 4.6/7

782.998 $\pm$ 552.566 χ^2 /NDF: 14.1/15

427.147 $\pm$ 519.841 χ^2 /NDF: 17.5/14

asym_atl_dd_rms vs slug



Right In: 1504.791+/-0.609 χ^2/NDF : 10128.0/5

Left Out: 1627.194+/-0.509 χ^2/NDF :80064.9/9

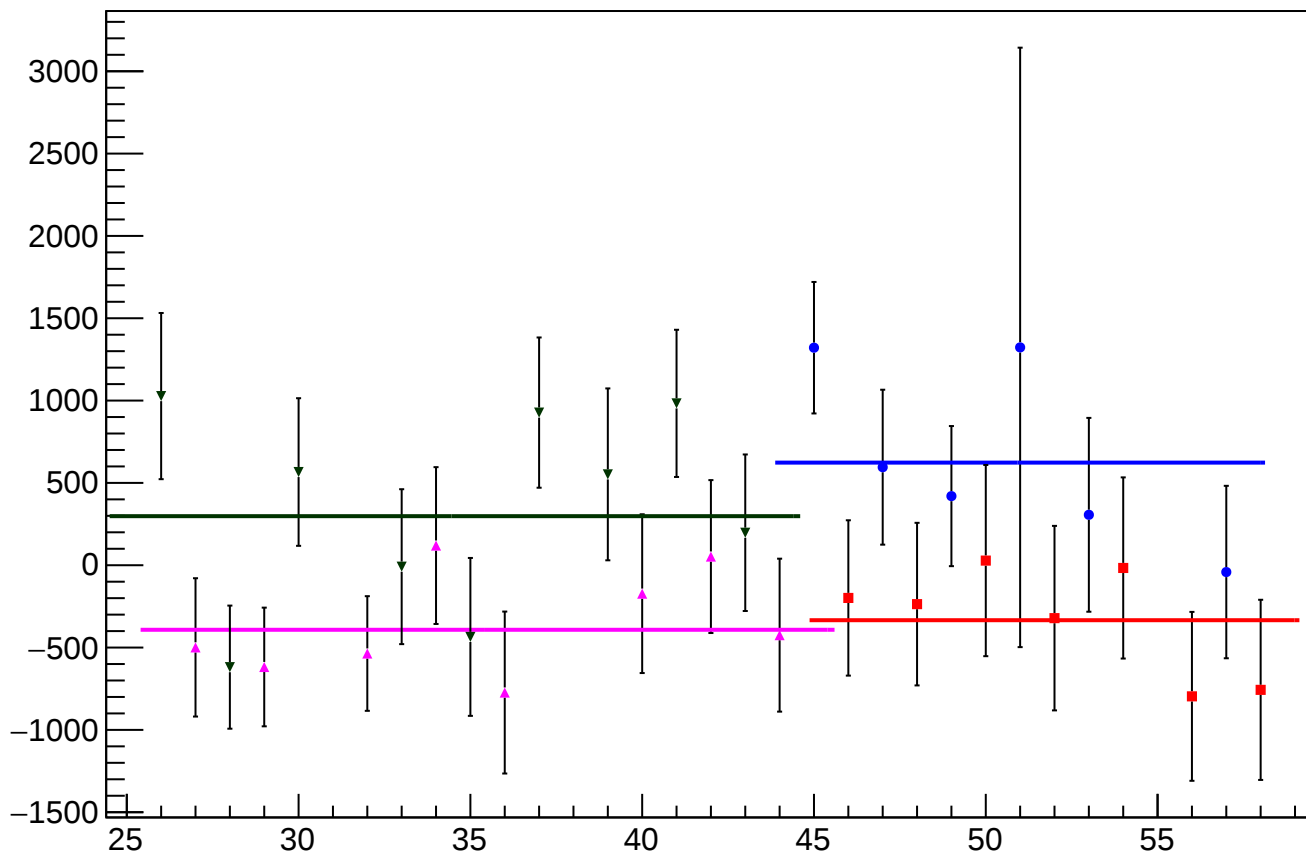
Right Out: 1550.708+/-0.591 χ^2/NDF : 54078.6/6

Left In: 1478.747+/-0.469 χ^2/NDF :68597.0/7

1576.839+/-0.391 χ^2/NDF : 113957.4/15

1506.552+/-0.368 χ^2/NDF : 131762.4/14

reg_asym_atr_avg_mean vs slug



Right In: 623.232 $\pm$ 207.842 χ^2 /NDF: 5.3/5

Left Out: 297.955 $\pm$ 152.800 χ^2 /NDF:15.8/8

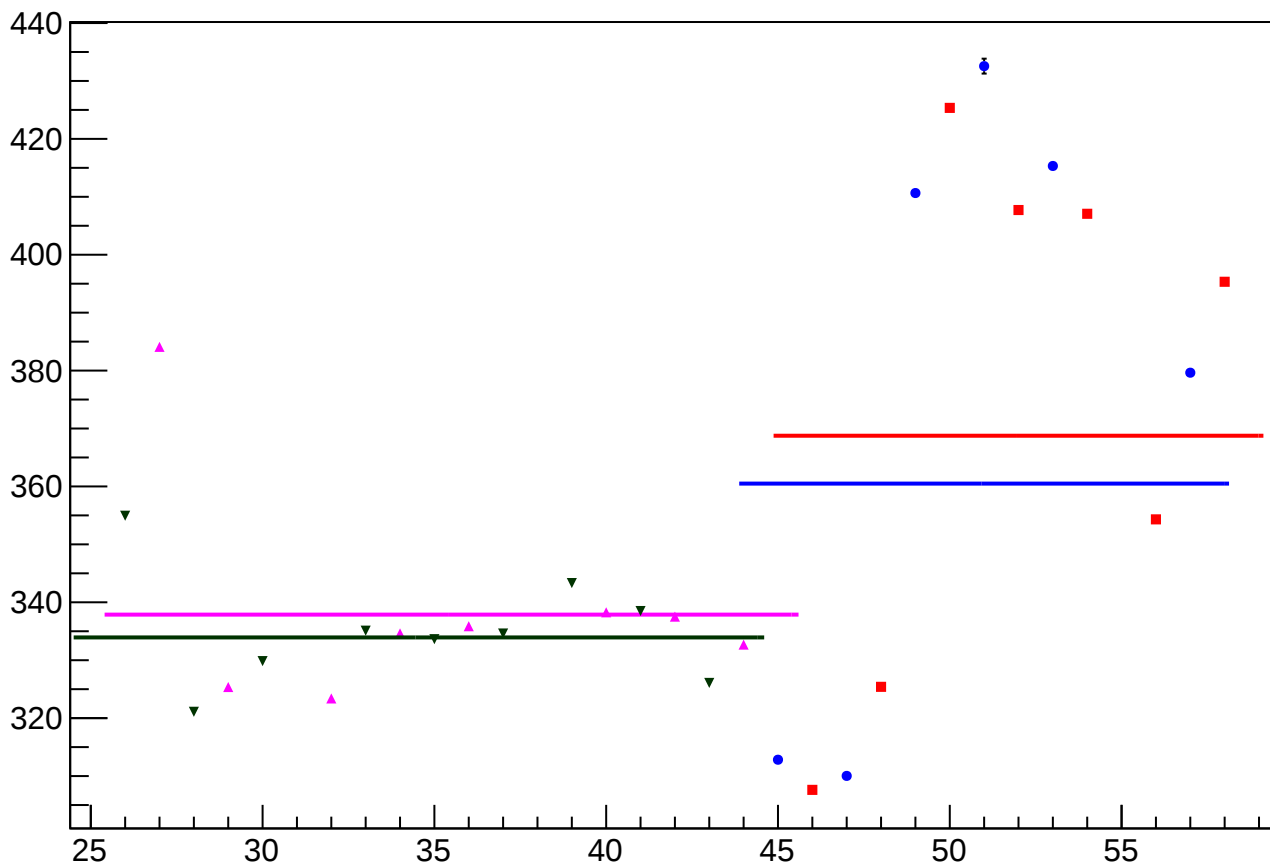
Right Out: -333.892 $\pm$ 199.218 χ^2 /NDF: 2.3/6

Left In: -392.029 $\pm$ 151.208 χ^2 /NDF:3.5/7

412.079 $\pm$ 123.111 χ^2 /NDF: 22.7/14

-370.778 $\pm$ 120.444 χ^2 /NDF: 5.8/14

reg_asym_atr_avg_rms vs slug



Right In: 360.490+/-0.147 χ^2/NDF : 102475.8/5

Left Out: 333.934+/-0.108 χ^2/NDF : 7408.6/8

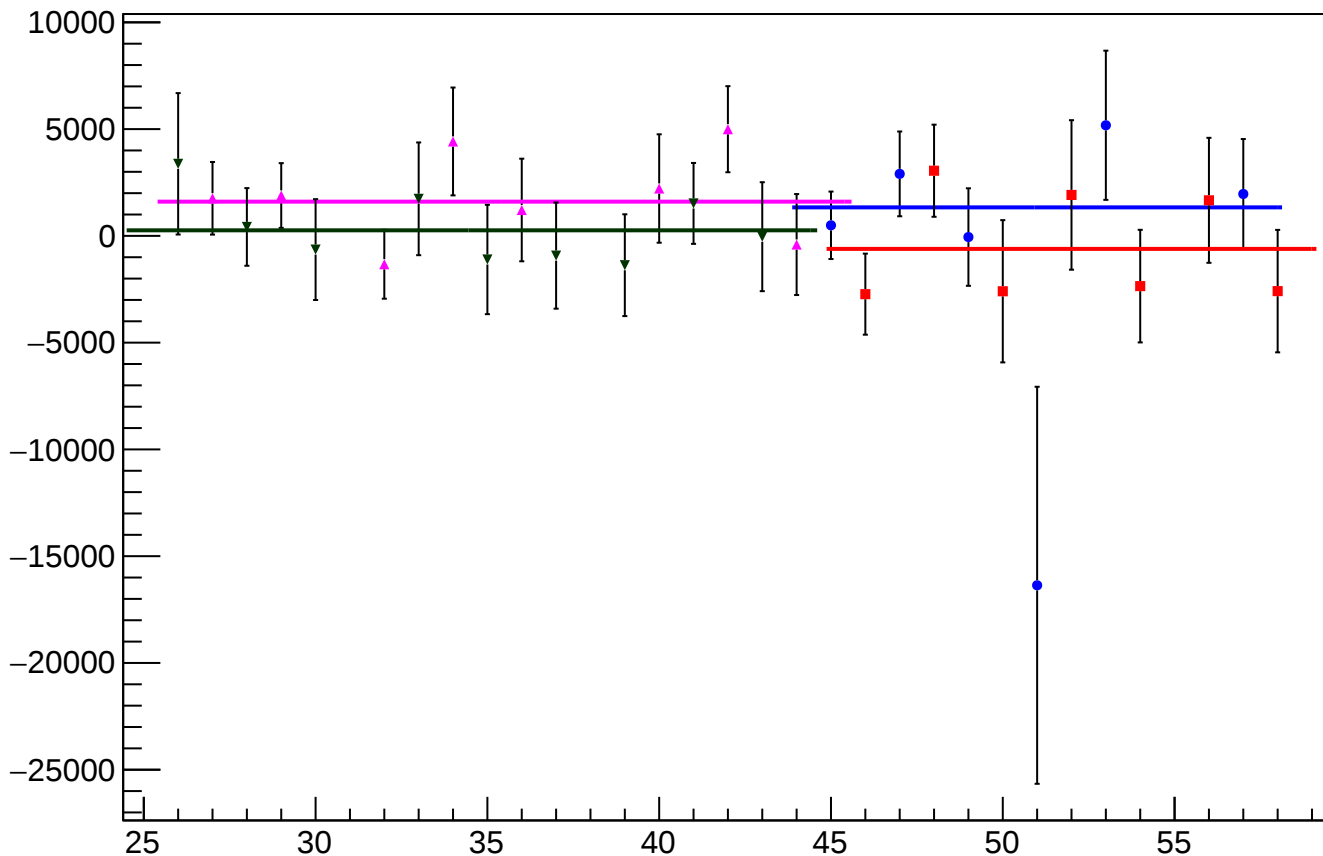
Right Out: 368.754+/-0.141 χ^2/NDF : 93700.6/6

Left In: 337.870+/-0.107 χ^2/NDF : 30461.2/7

343.251+/-0.087 χ^2/NDF : 131079.6/14

349.159+/-0.085 χ^2/NDF : 154656.9/14

asym_atr_avg_correction_mean vs slug



Right In: 1334.892 $\pm$ 957.460 χ^2 /NDF: 6.2/5

Left Out: 260.094 $\pm$ 781.083 χ^2 /NDF:2.8/8

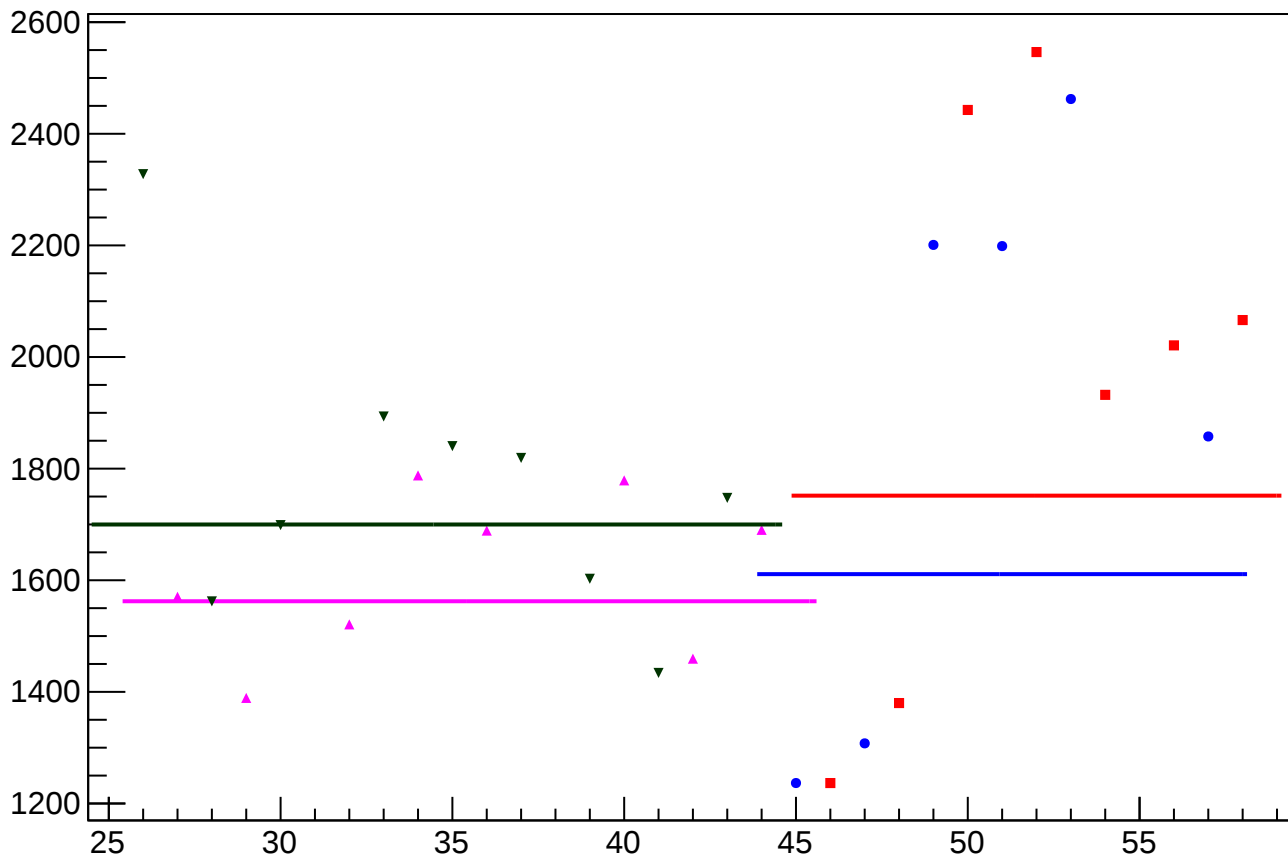
Right Out: -609.570 $\pm$ 977.508 χ^2 /NDF: 6.5/6

Left In: 1602.732 $\pm$ 694.176 χ^2 /NDF:8.2/7

689.564 $\pm$ 605.235 χ^2 /NDF: 9.7/14

861.072 $\pm$ 565.980 χ^2 /NDF: 18.2/14

asym_atr_avg_correction_rms vs slug



Right In: 1610.961 ± 0.677 χ^2/NDF : 437585.1/5

Left Out: 1699.916 ± 0.552 χ^2/NDF : 148167.9/8

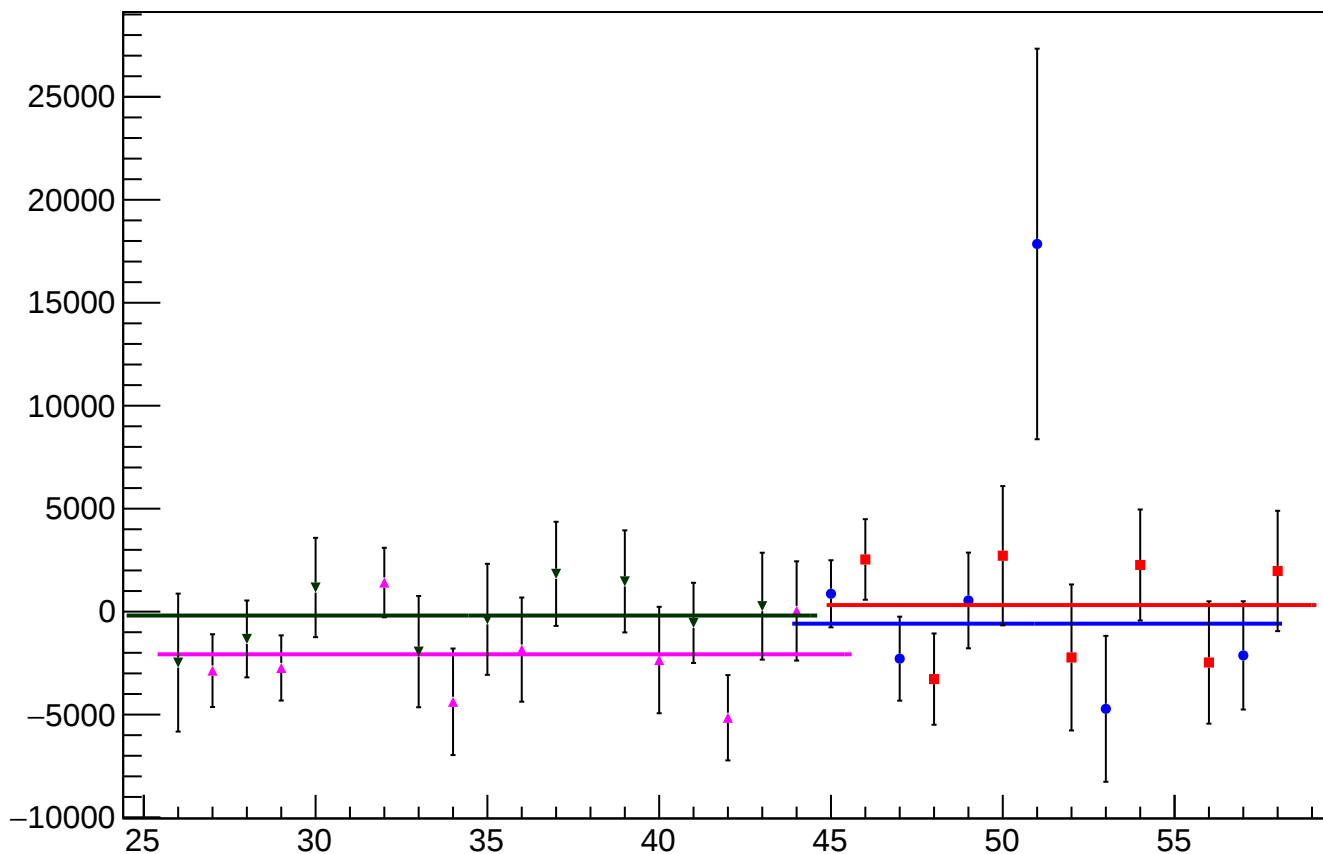
Right Out: 1751.598 ± 0.691 χ^2/NDF : 446208.6/6

Left In: 1562.377 ± 0.491 χ^2/NDF : 74597.0/7

1664.371 ± 0.428 χ^2/NDF : 596118.3/14

1625.812 ± 0.400 χ^2/NDF : 570624.1/14

asym_atr_avg_mean vs slug



Right In: -585.157 ± 981.701 $\chi^2/\text{NDF}: 7.2/5$

Left Out: -189.957 ± 802.163 $\chi^2/\text{NDF}: 2.7/8$

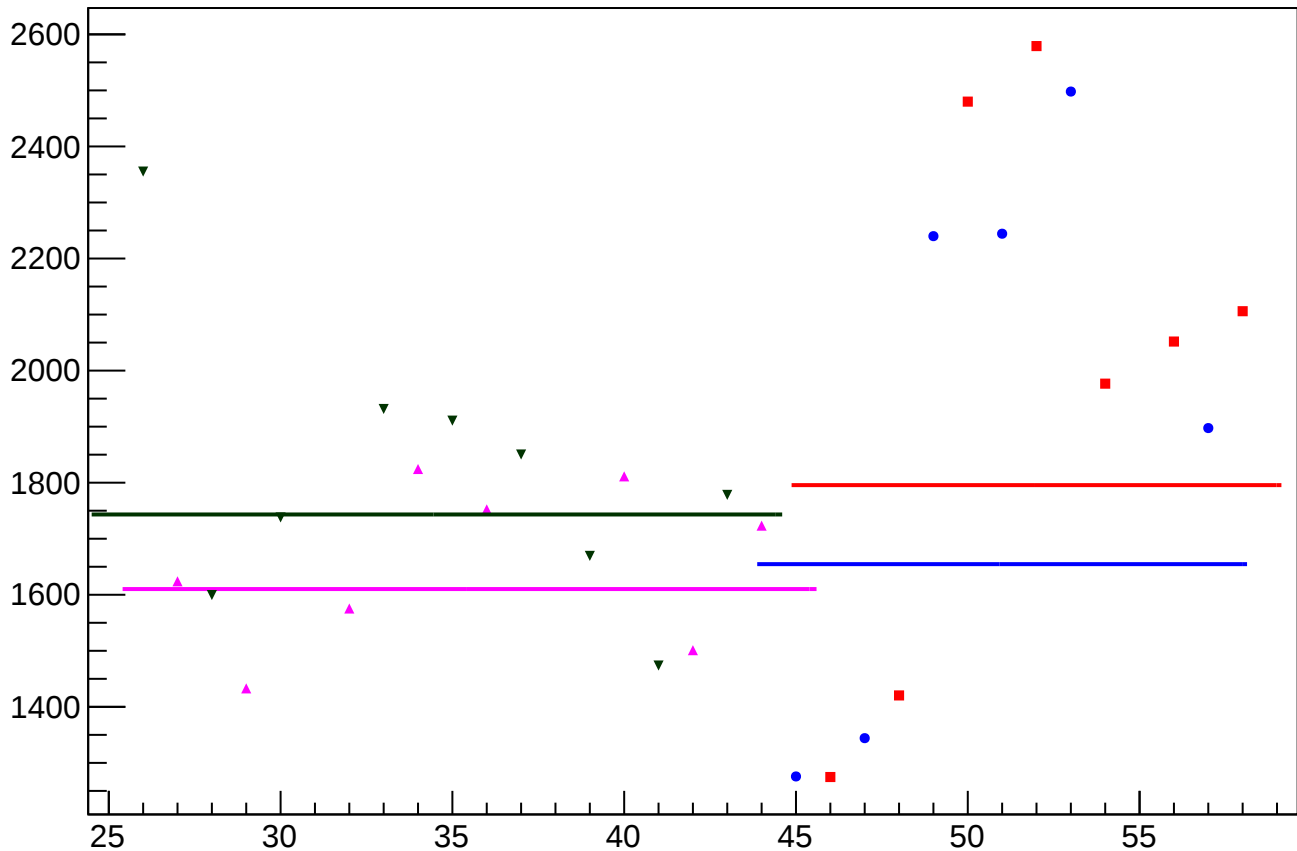
Right Out: 318.744 ± 1000.092 $\chi^2/\text{NDF}: 6.7/6$

Left In: -2072.589 ± 719.748 $\chi^2/\text{NDF}: 8.4/7$

-348.181 ± 621.164 $\chi^2/\text{NDF}: 10.0/14$

-1256.635 ± 584.188 $\chi^2/\text{NDF}: 18.9/14$

asym_atr_avg_rms vs slug



Right In: 1654.652+/-0.694 χ^2/NDF : 419405.7/5

Left Out: 1743.280+/-0.567 χ^2/NDF :140061.2/8

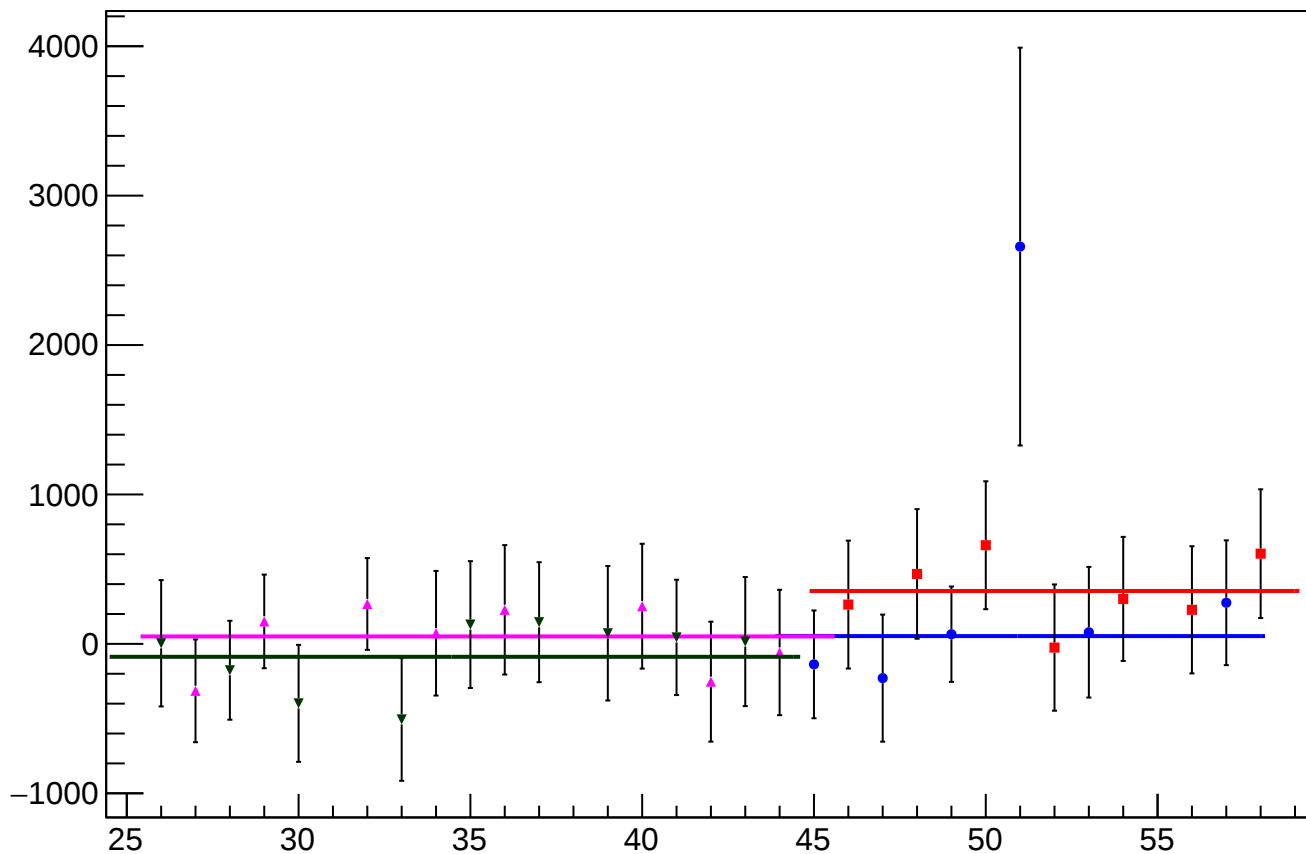
Right Out: 1795.649+/-0.707 χ^2/NDF : 425127.2/6

Left In: 1610.197+/-0.509 χ^2/NDF :68106.1/7

1707.796+/-0.439 χ^2/NDF : 569241.5/14

1673.476+/-0.413 χ^2/NDF : 538539.6/14

reg_asym_atr_dd_mean vs slug



Right In: 52.100 ± 170.104 χ^2/NDF : 4.8/5

Left Out: -86.539 ± 133.704 χ^2/NDF : 2.7/8

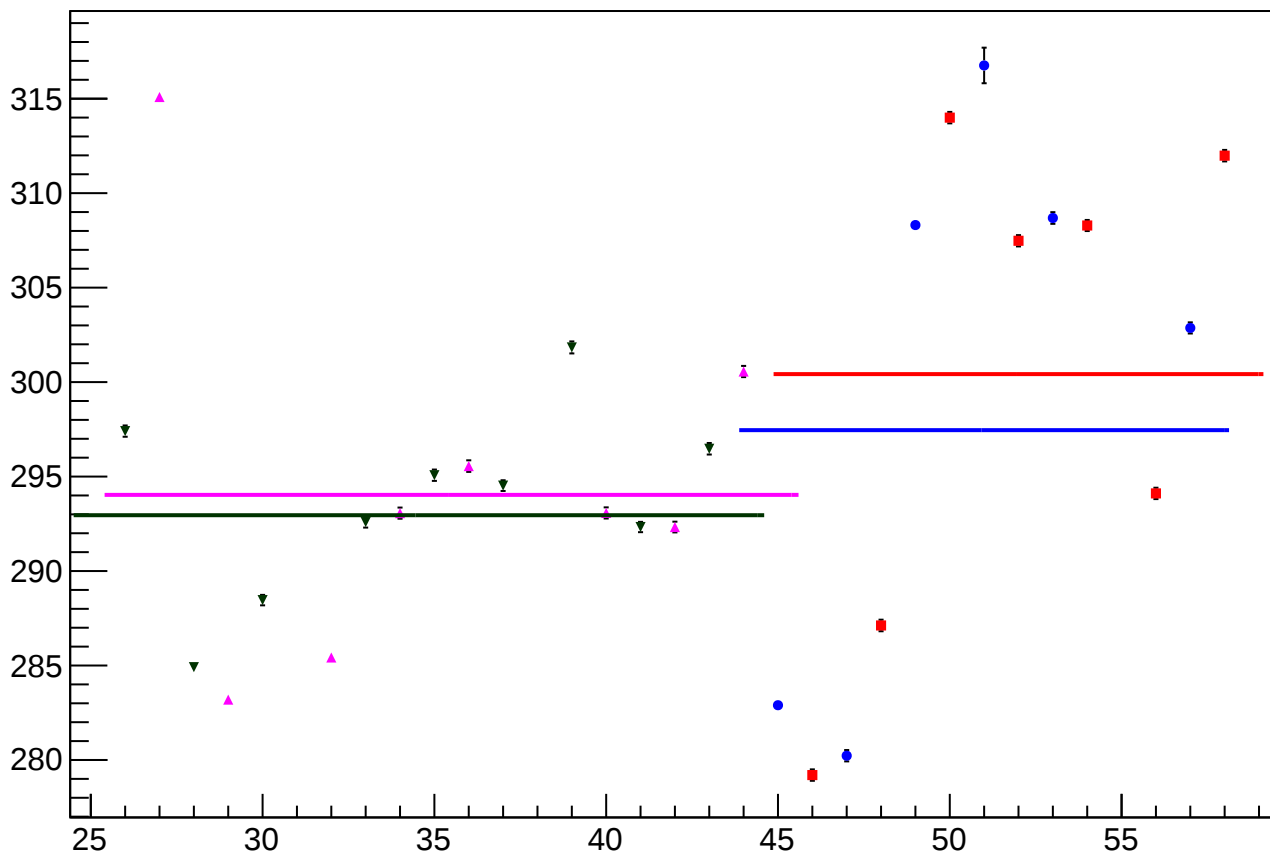
Right Out: 354.033 ± 161.070 χ^2/NDF : 1.9/6

Left In: 49.768 ± 131.388 χ^2/NDF : 2.8/7

-33.595 ± 105.118 χ^2/NDF : 7.9/14

171.335 ± 101.811 χ^2/NDF : 6.8/14

reg_asym_atr_dd_rms vs slug



Right In: 297.457+/-0.120 χ^2/NDF : 10930.3/5

Left Out: 292.955+/-0.095 χ^2/NDF : 2664.1/8

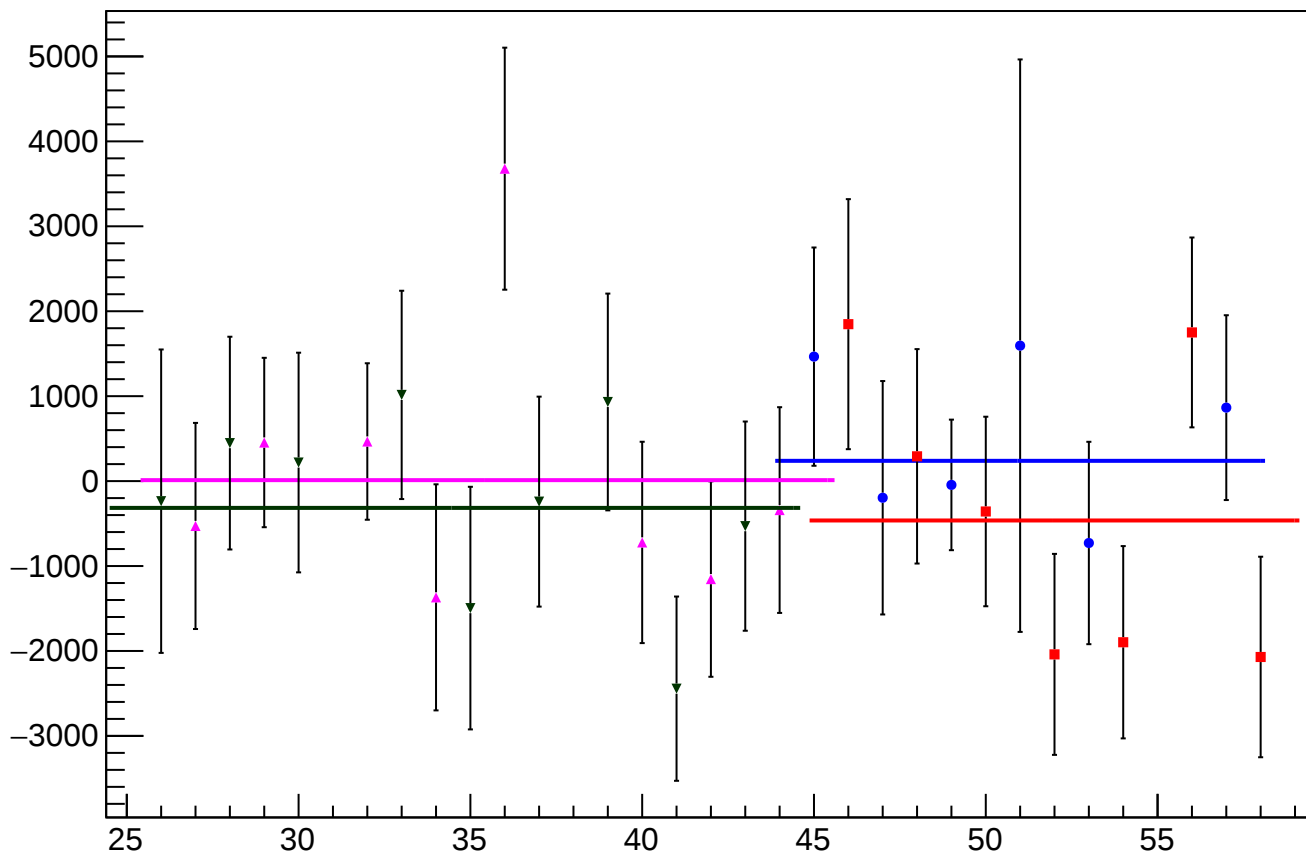
Right Out: 300.423+/-0.114 χ^2/NDF : 11969.0/6

Left In: 294.031+/-0.093 χ^2/NDF : 12021.3/7

294.674+/-0.074 χ^2/NDF : 14460.4/14

296.585+/-0.072 χ^2/NDF : 25881.5/14

asym_atr_dd_correction_mean vs slug



Right In: 238.621+/-473.218 χ^2/NDF : 2.3/5

Left Out: -315.415+/-427.109 χ^2/NDF : 7.2/8

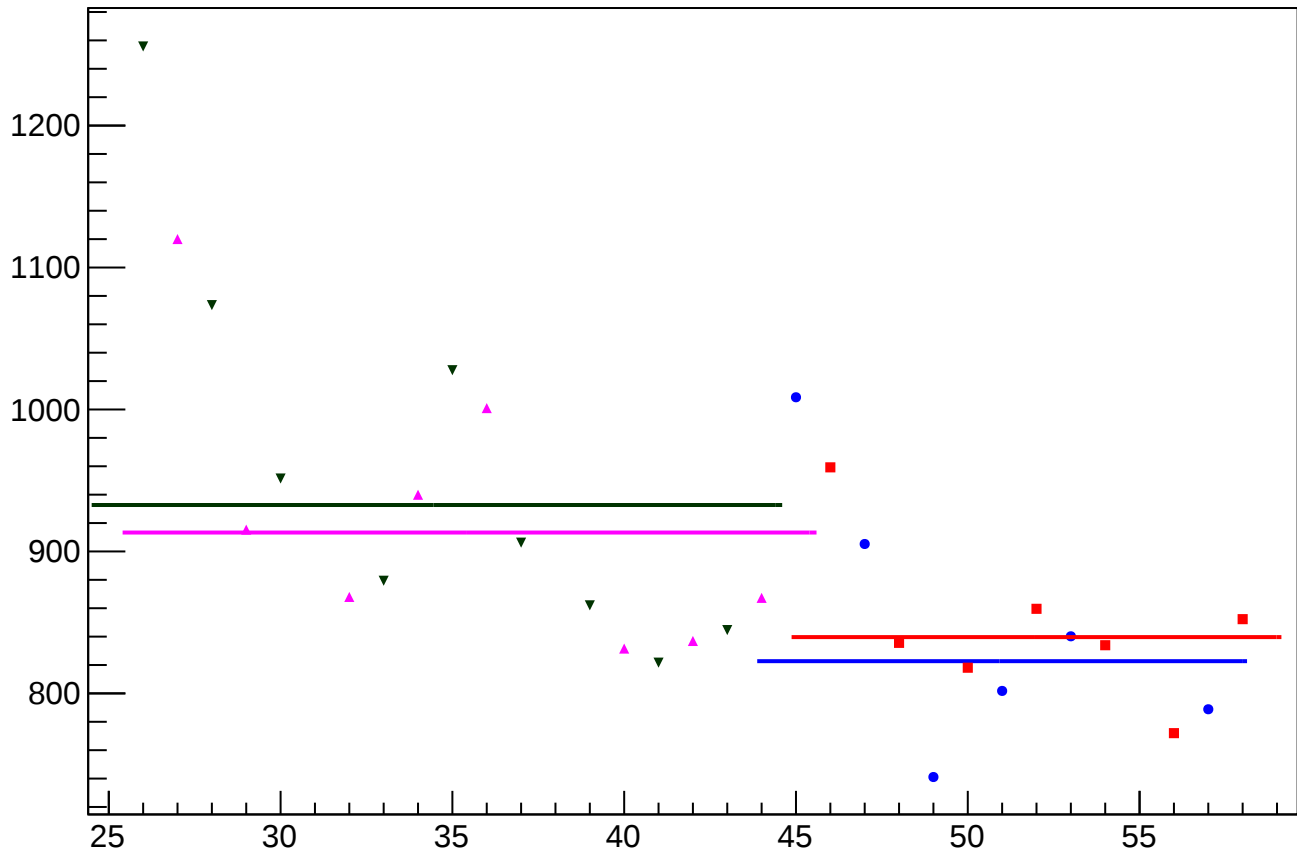
Right Out: -463.580+/-451.527 χ^2/NDF : 12.0/6

Left In: 11.284+/-405.892 χ^2/NDF : 9.8/7

-66.697+/-317.063 χ^2/NDF : 10.3/14

-200.945+/-301.857 χ^2/NDF : 22.4/14

asym_atr_dd_correction_rms vs slug



Right In: 822.707+/-0.335 χ^2/NDF : 74083.4/5

Left Out: 932.717+/-0.302 χ^2/NDF :141975.4/8

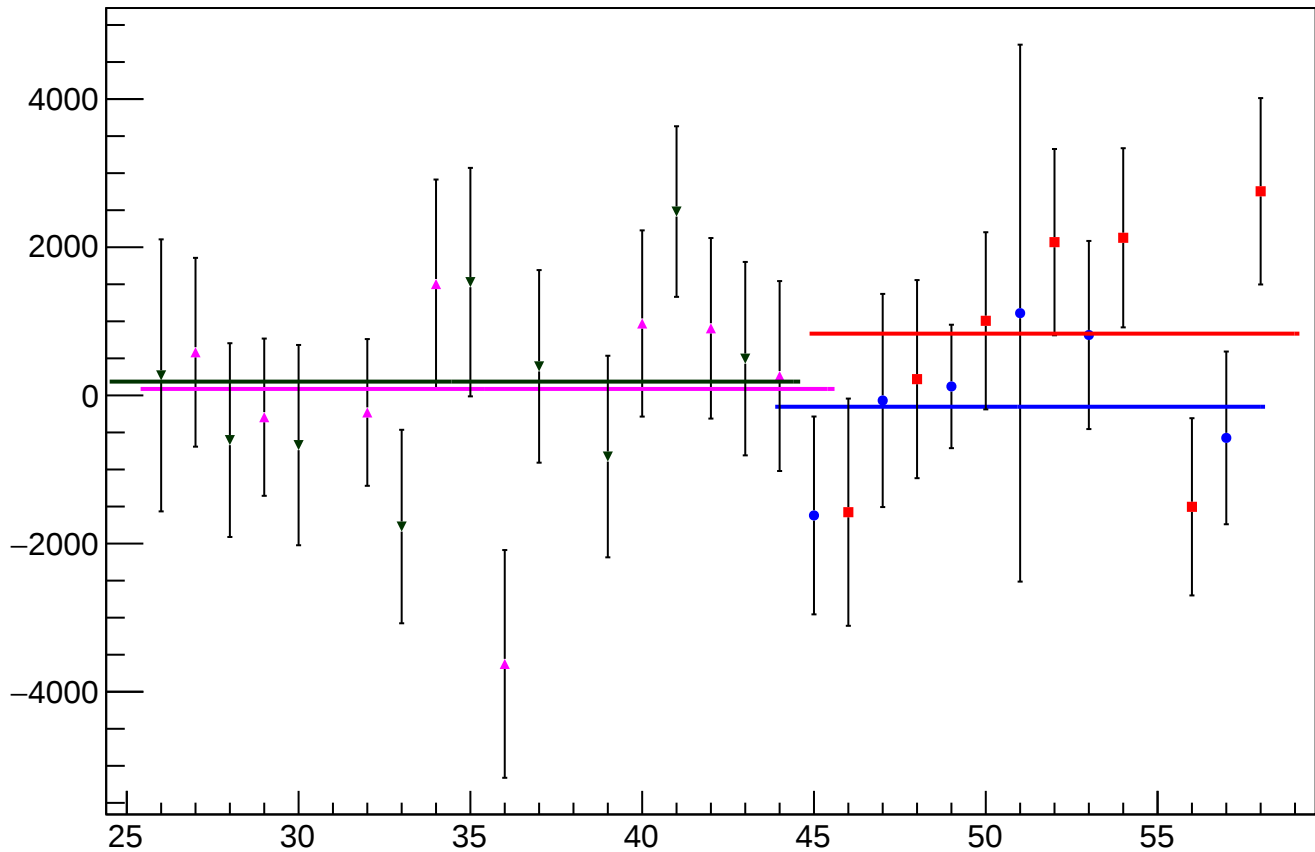
883.331+/-0.224 χ^2/NDF : 275623.4/14

Right Out: 839.660+/-0.319 χ^2/NDF : 22144.5/6

880.400+/-0.213 χ^2/NDF : 144095.7/14

Left In: 913.320+/-0.287 χ^2/NDF :92513.4/7

asym_atr_dd_mean vs slug



Right In: -152.952 ± 505.217 $\chi^2/\text{NDF}: 2.2/5$

Left Out: 186.357 ± 451.355 $\chi^2/\text{NDF}: 8.4/8$

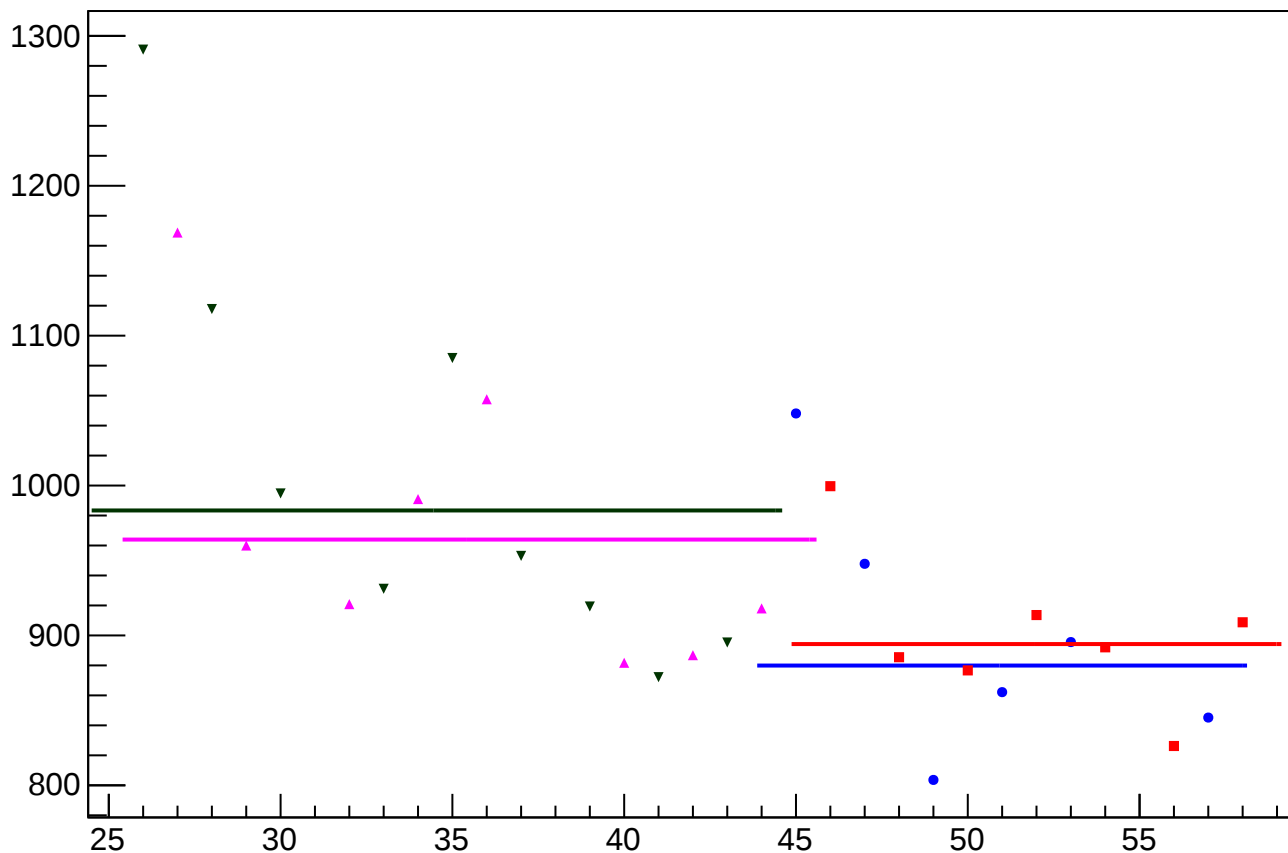
Right Out: 833.682 ± 480.473 $\chi^2/\text{NDF}: 11.0/6$

Left In: 87.303 ± 431.781 $\chi^2/\text{NDF}: 8.2/7$

35.748 ± 336.594 $\chi^2/\text{NDF}: 10.8/14$

420.767 ± 321.154 $\chi^2/\text{NDF}: 20.5/14$

asym_atr_dd_rms vs slug



Right In: 879.906+/-0.357 χ^2/NDF : 55093.7/5

Left Out: 983.379+/-0.319 χ^2/NDF :122542.6/8

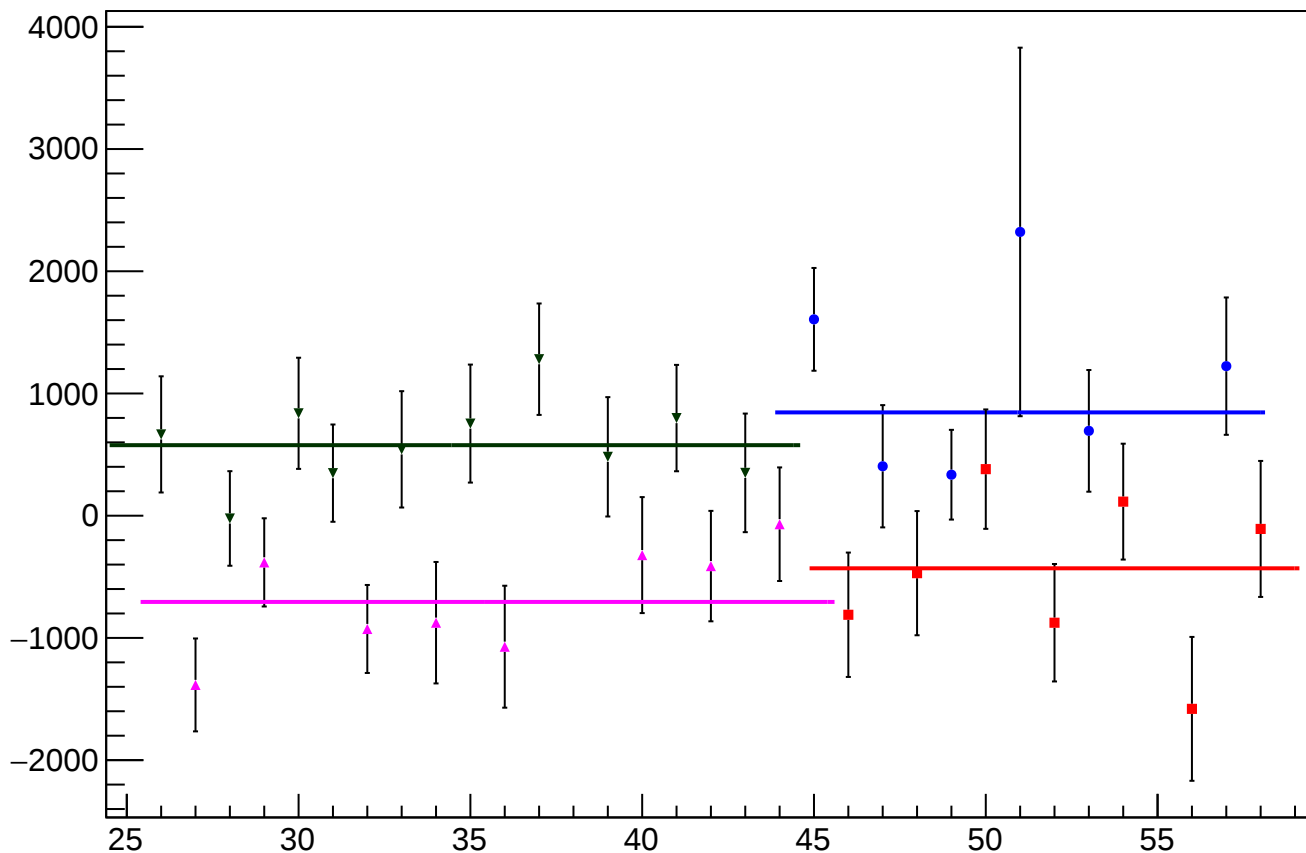
Right Out: 894.243+/-0.340 χ^2/NDF : 17166.2/6

Left In: 963.960+/-0.305 χ^2/NDF :82775.1/7

937.450+/-0.238 χ^2/NDF : 224291.4/14

932.812+/-0.227 χ^2/NDF : 123236.8/14

reg_asym_at1_avg_mean vs slug



Right In: 845.191 ± 201.146 χ^2/NDF : 7.5/5

Left Out: 577.064 ± 142.141 χ^2/NDF : 6.1/9

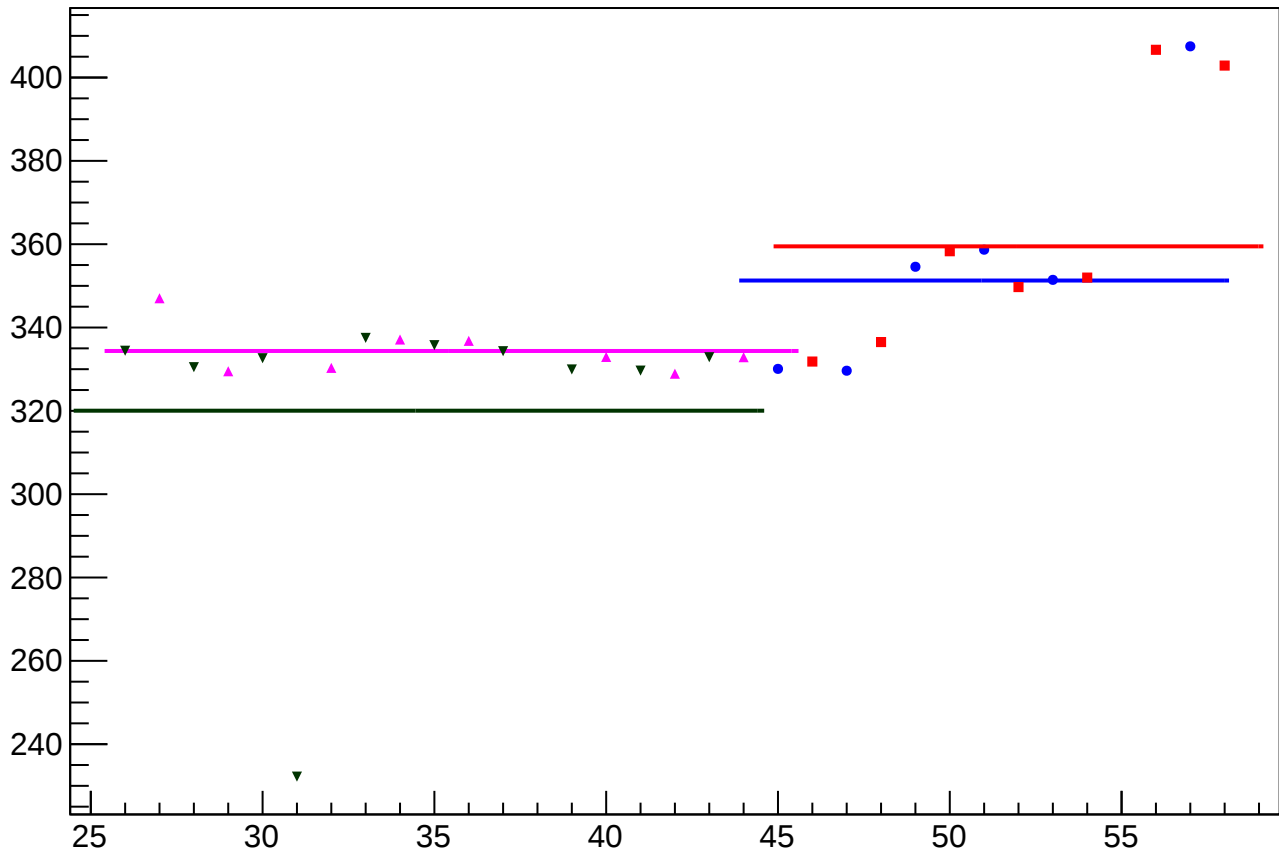
Right Out: -430.483 ± 193.079 χ^2/NDF : 9.7/6

Left In: -705.542 ± 150.152 χ^2/NDF : 8.0/7

666.364 ± 116.082 χ^2/NDF : 14.8/15

-601.884 ± 118.529 χ^2/NDF : 18.9/14

reg_asym_at1_avg_rms vs slug



Right In: 351.281+/-0.142 χ^2/NDF : 29056.4/5

Left Out: 320.038+/-0.101 χ^2/NDF : 112209.4/9

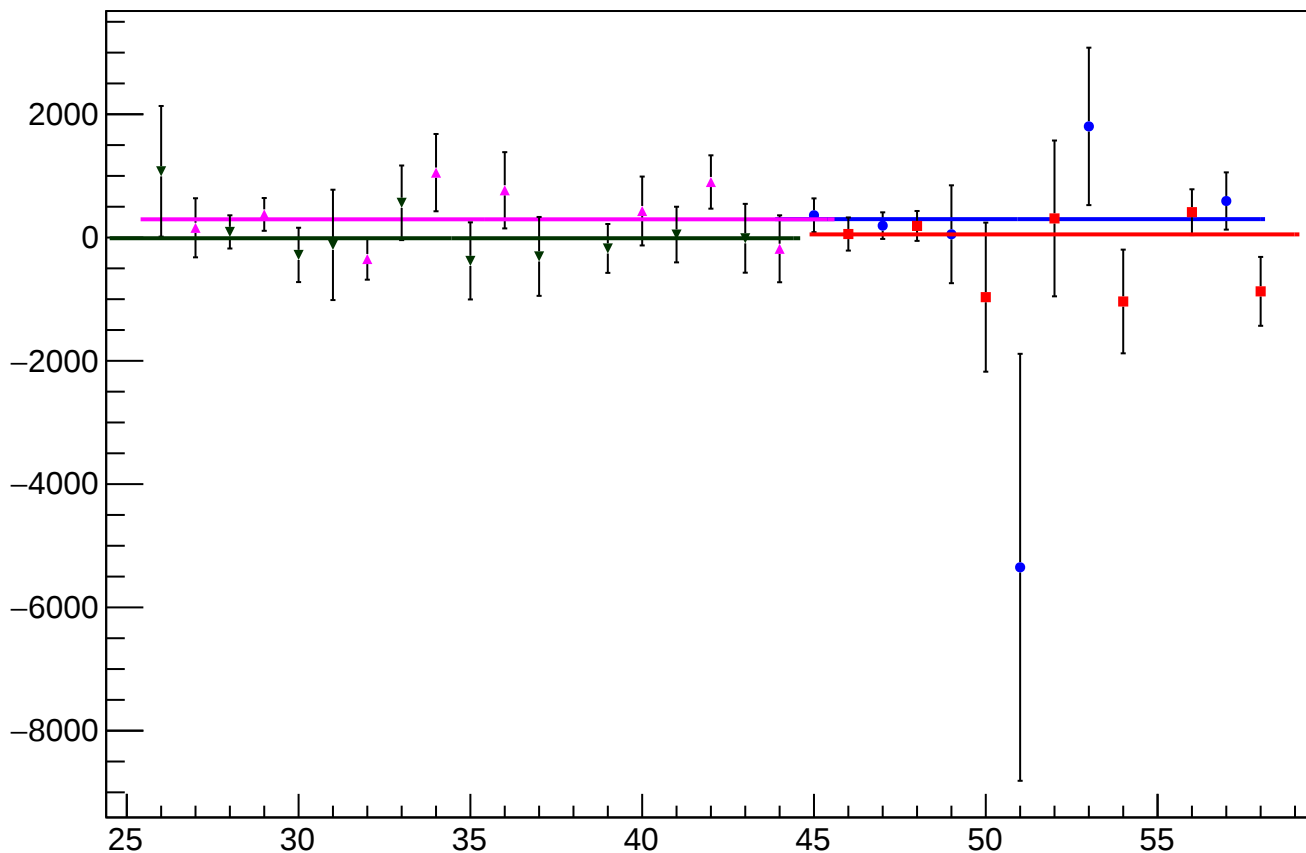
Right Out: 359.482+/-0.137 χ^2/NDF : 36341.4/6

Left In: 334.371+/-0.106 χ^2/NDF : 3274.0/7

330.444+/-0.082 χ^2/NDF : 173446.6/15

343.834+/-0.084 χ^2/NDF : 60695.5/14

asym_at1_avg_correction_mean vs slug



Right In: 298.672 $\pm$ 154.776 χ^2 /NDF: 4.8/5

Left Out: -11.187 $\pm$ 151.999 χ^2 /NDF: 3.2/9

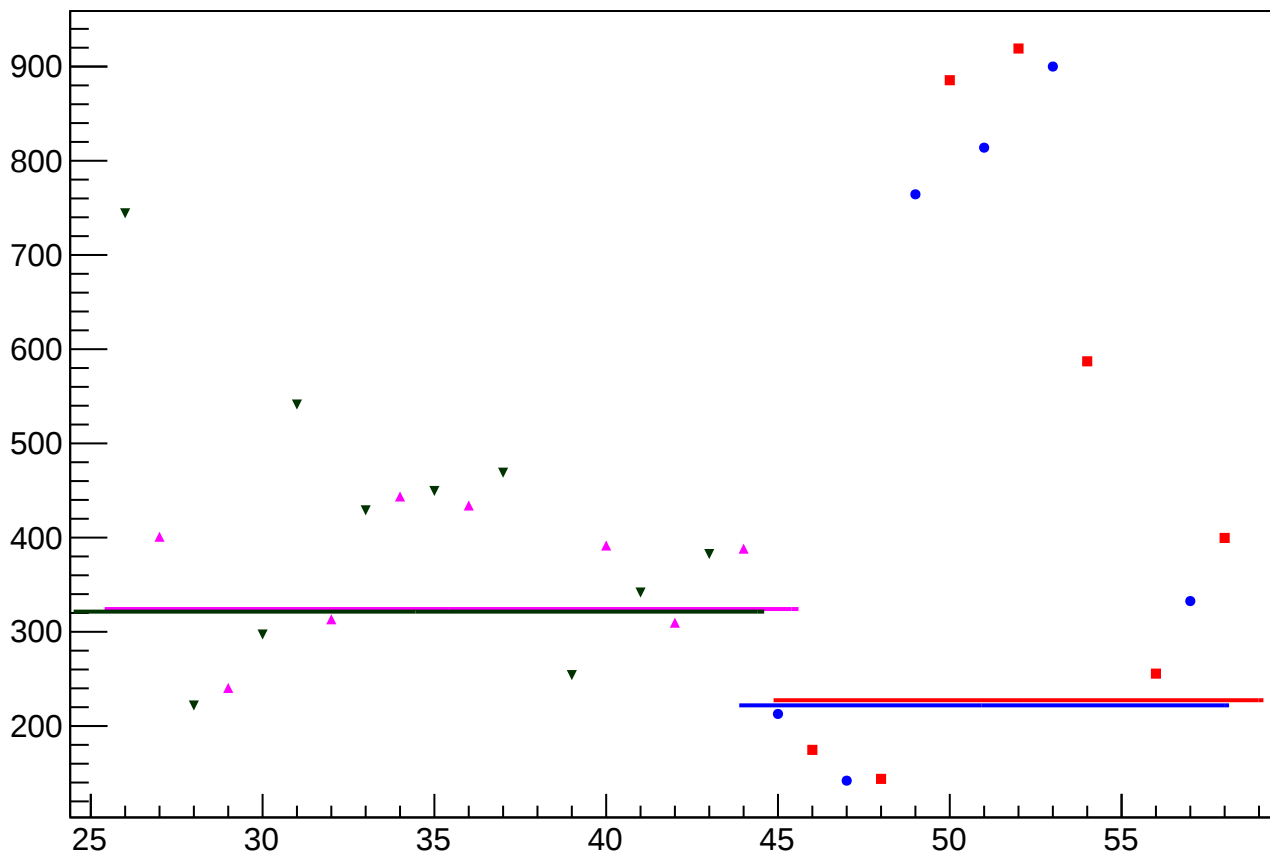
Right Out: 51.200 $\pm$ 150.726 χ^2 /NDF: 6.4/6

Left In: 295.759 $\pm$ 149.916 χ^2 /NDF: 8.7/7

140.938 $\pm$ 108.448 χ^2 /NDF: 10.1/15

174.138 $\pm$ 106.292 χ^2 /NDF: 16.4/14

asym_at1_avg_correction_rms vs slug



Right In: 221.943+/-0.109 χ^2/NDF : 1946572.6/5

Left Out: 321.436+/-0.107 χ^2/NDF :1057868.5/9

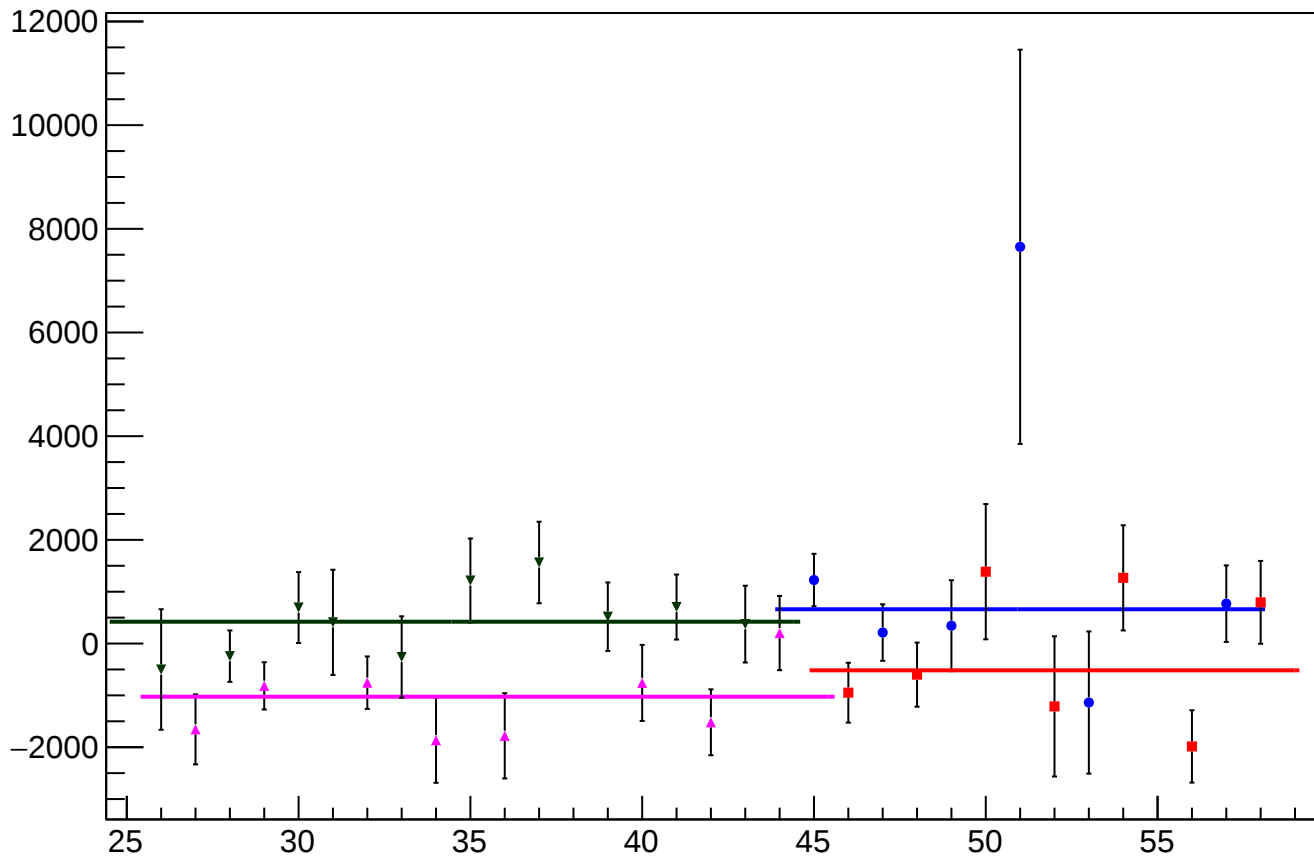
Right Out: 227.379+/-0.107 χ^2/NDF : 2072824.8/6

Left In: 324.185+/-0.106 χ^2/NDF :446845.3/7

272.590+/-0.077 χ^2/NDF : 3425138.0/15

276.043+/-0.075 χ^2/NDF : 2934393.3/14

asym_at1_avg_mean vs slug



Right In: 661.120 $\pm$ 301.443 χ^2/NDF : 7.2/5

Left Out: 420.888 $\pm$ 227.441 χ^2/NDF : 6.6/9

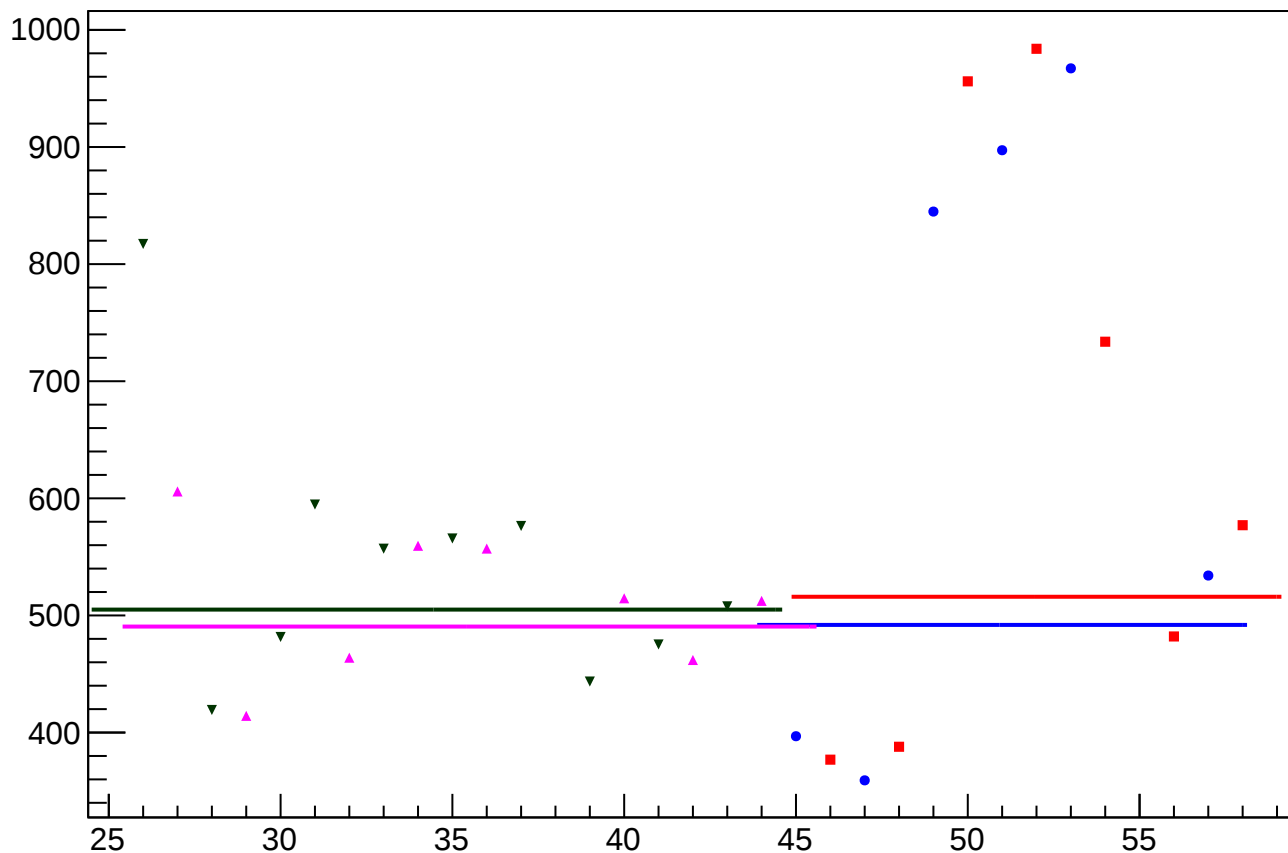
Right Out: -516.753 $\pm$ 297.014 χ^2/NDF : 13.2/6

Left In: -1025.888 $\pm$ 222.743 χ^2/NDF : 6.9/7

508.036 $\pm$ 181.559 χ^2/NDF : 14.2/15

-842.618 $\pm$ 178.199 χ^2/NDF : 22.0/14

asym_at1_avg_rms vs slug



Right In: 491.913+/-0.213 χ^2/NDF : 782847.7/5

Left Out: 504.992+/-0.161 χ^2/NDF :280293.6/9

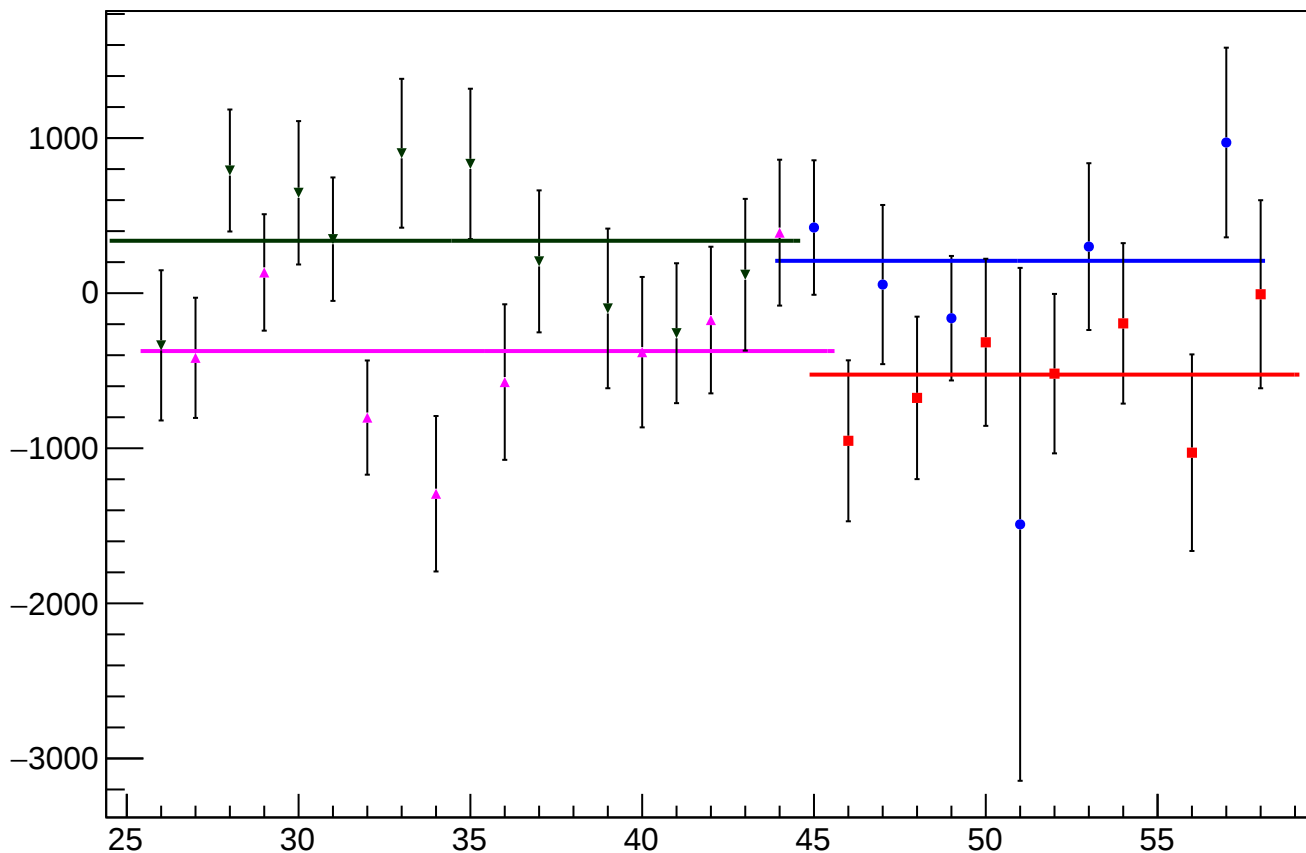
Right Out: 515.954+/-0.210 χ^2/NDF : 777057.5/6

Left In: 490.502+/-0.158 χ^2/NDF :155145.4/7

500.247+/-0.128 χ^2/NDF : 1065540.4/15

499.664+/-0.126 χ^2/NDF : 941602.6/14

reg_asym_at1_dd_mean vs slug



Right In: 208.533+/-214.061 χ^2/NDF : 3.8/5

Left Out: 337.826+/-144.392 χ^2/NDF : 8.9/9

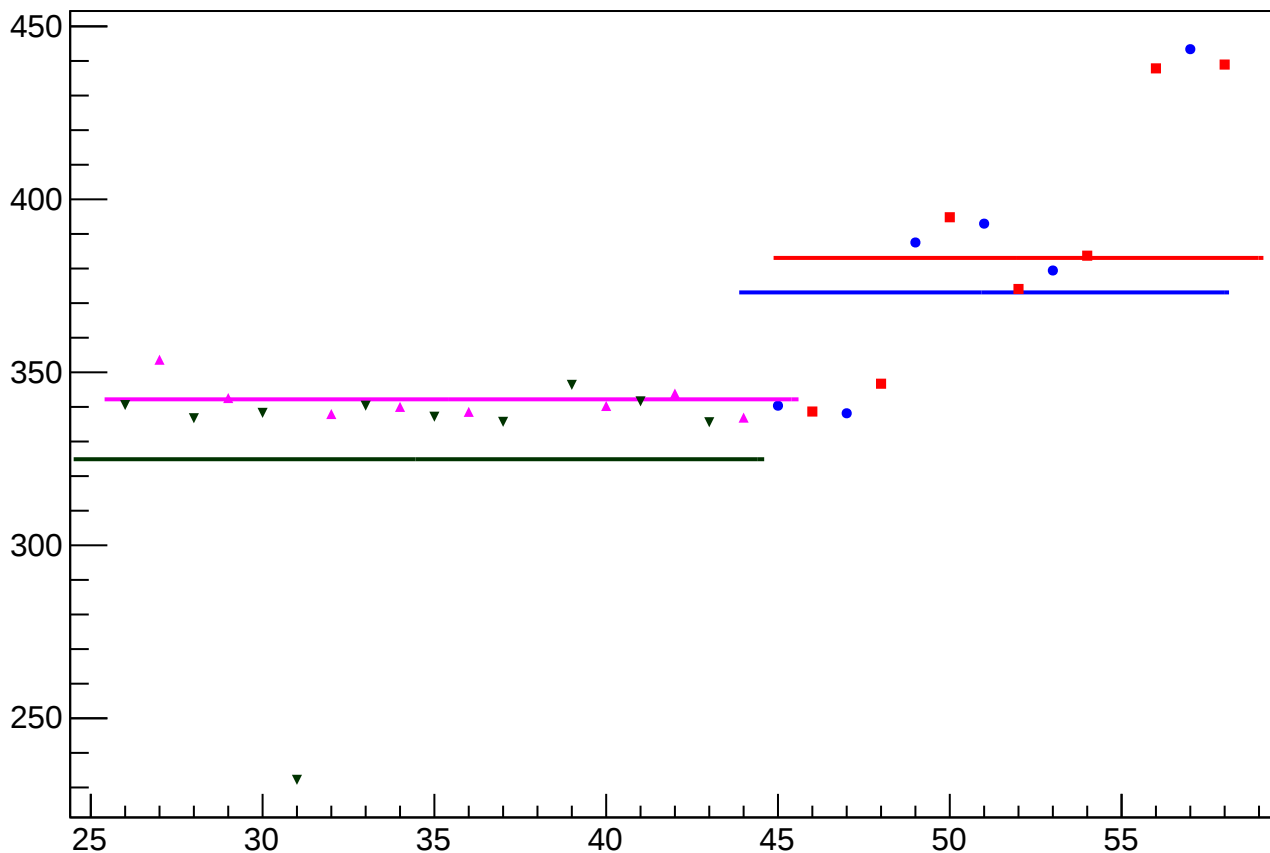
Right Out: -525.119+/-206.132 χ^2/NDF : 2.7/6

Left In: -373.235+/-153.688 χ^2/NDF : 9.5/7

297.395+/-119.705 χ^2/NDF : 13.0/15

-427.500+/-123.211 χ^2/NDF : 12.6/14

reg_asym_at1_dd_rms vs slug



Right In: 373.098 $\pm$ 0.151 χ^2 /NDF: 50267.3/5

Left Out: 324.881 $\pm$ 0.102 χ^2 /NDF:125698.7/9

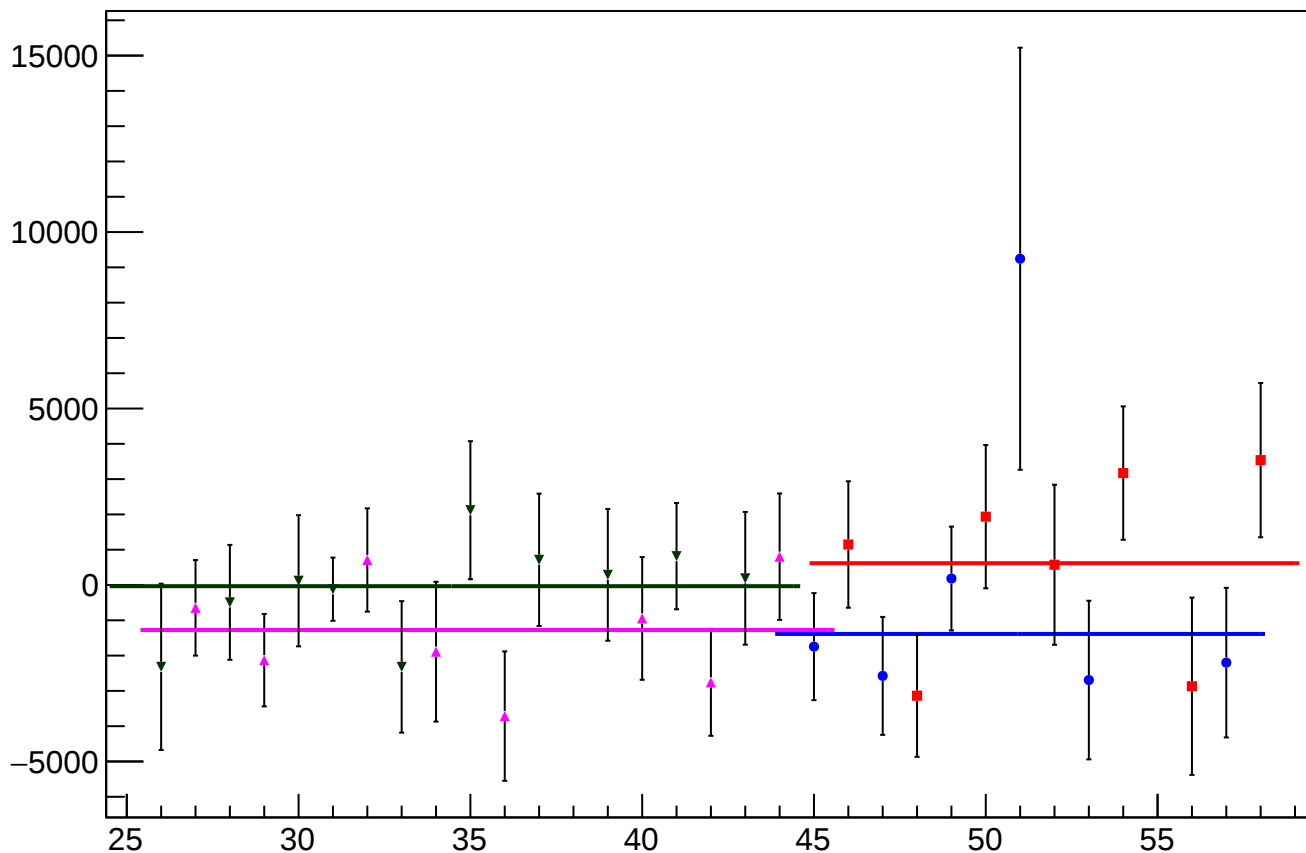
Right Out: 383.069 $\pm$ 0.146 χ^2 /NDF: 57787.6/6

Left In: 342.194 $\pm$ 0.109 χ^2 /NDF:2464.7/7

339.959 $\pm$ 0.085 χ^2 /NDF: 245707.9/15

356.798 $\pm$ 0.087 χ^2 /NDF: 110799.2/14

asym_at1_dd_correction_mean vs slug



Right In: -1386.592 ± 766.200 χ^2/NDF : 5.3/5

Left Out: -33.360 ± 503.702 χ^2/NDF : 4.3/9

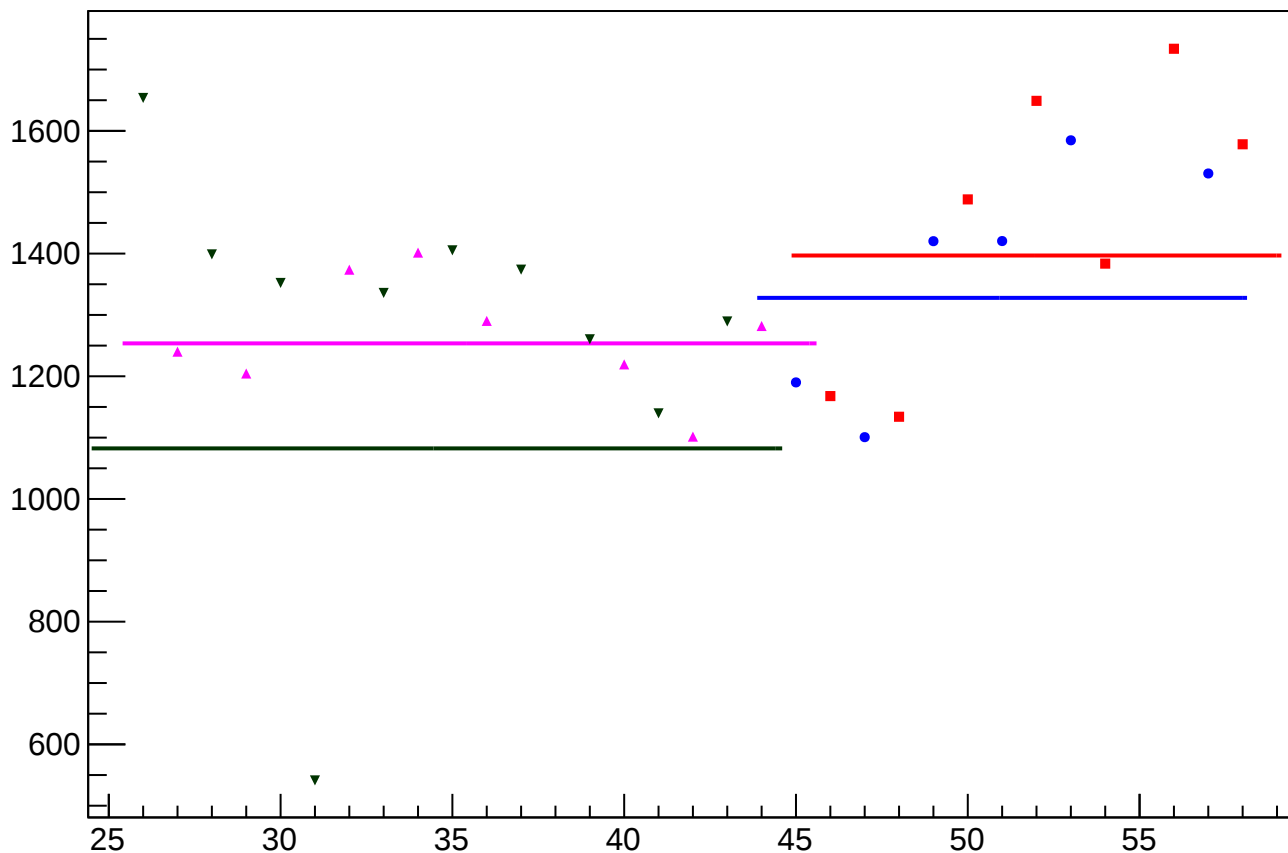
Right Out: 618.026 ± 760.294 χ^2/NDF : 10.7/6

Left In: -1275.228 ± 556.624 χ^2/NDF : 6.7/7

-441.715 ± 420.896 χ^2/NDF : 11.8/15

-614.565 ± 449.125 χ^2/NDF : 21.5/14

asym_at1_dd_correction_rms vs slug



Right In: 1327.824 ± 0.542 χ^2/NDF : 106242.8/5

Left Out: 1082.447 ± 0.356 χ^2/NDF : 1151669.7/9

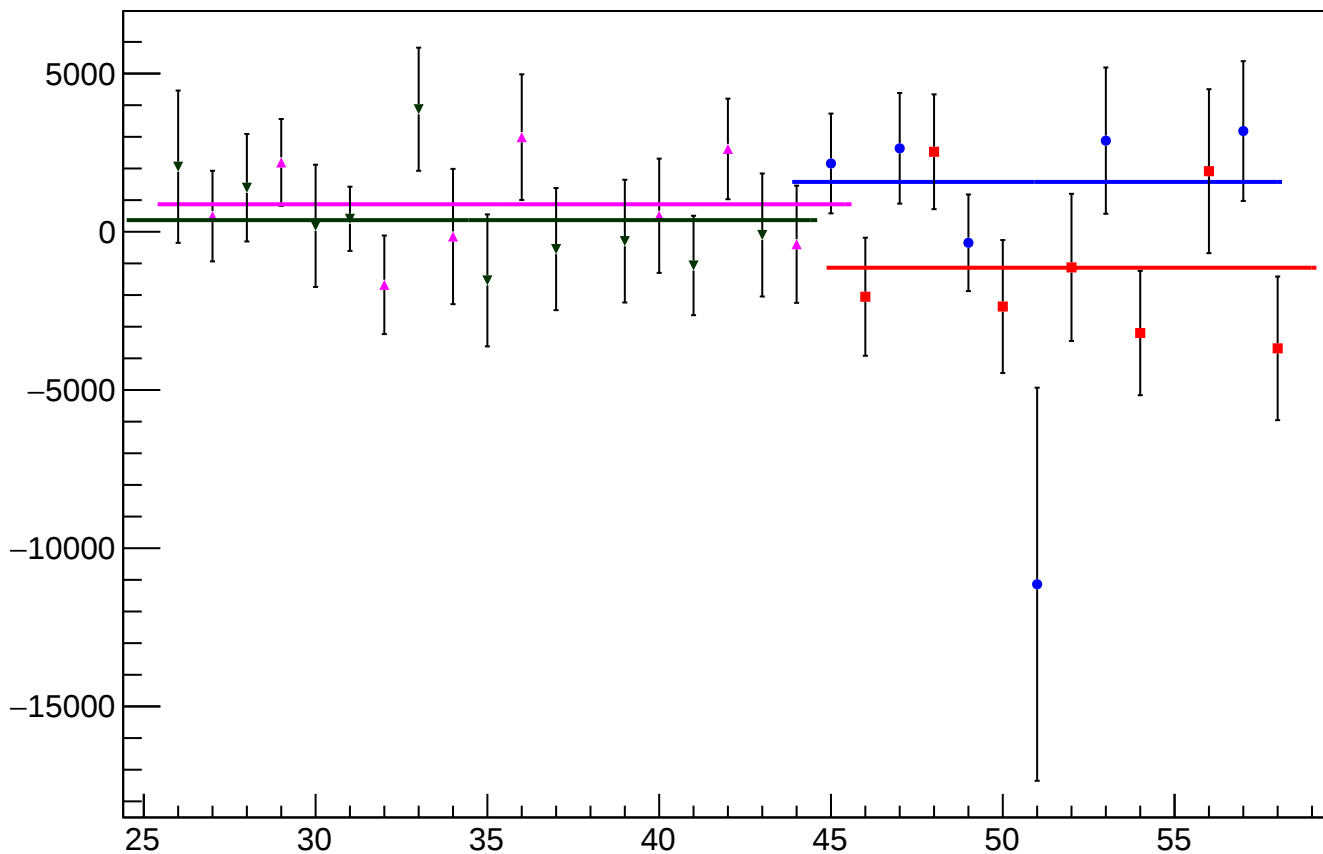
Right Out: 1396.866 ± 0.538 χ^2/NDF : 157415.9/6

Left In: 1253.630 ± 0.394 χ^2/NDF : 49852.6/7

1156.493 ± 0.298 χ^2/NDF : 1401136.3/15

1303.613 ± 0.318 χ^2/NDF : 253483.2/14

asym_at1_dd_mean vs slug



Right In: 1575.532 $\pm$ 796.386 χ^2 /NDF: 7.1/5

Left Out: 367.665 $\pm$ 537.785 χ^2 /NDF: 6.2/9

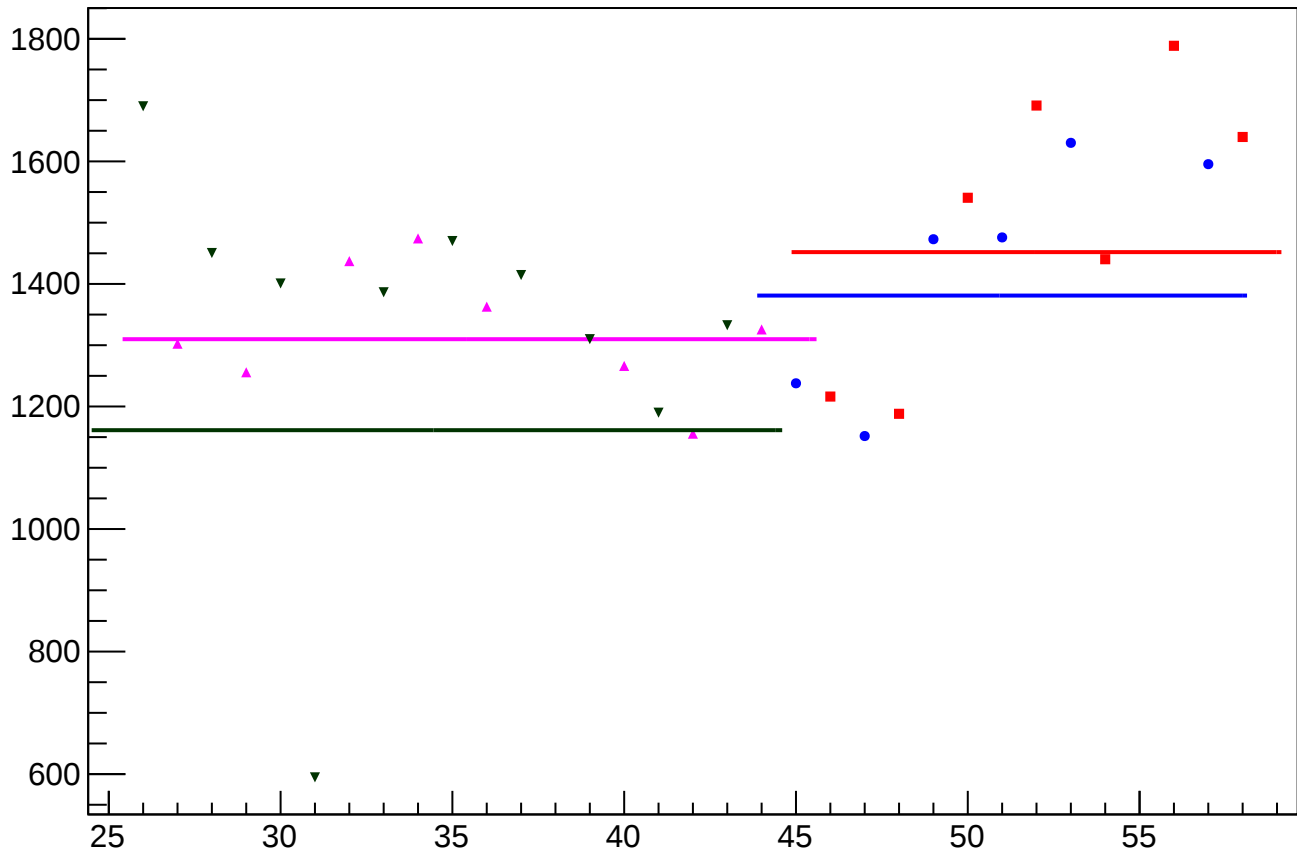
Right Out: -1136.042 $\pm$ 789.262 χ^2 /NDF: 8.4/6

Left In: 868.425 $\pm$ 587.420 χ^2 /NDF: 6.8/7

745.956 $\pm$ 445.684 χ^2 /NDF: 14.9/15

153.892 $\pm$ 471.230 χ^2 /NDF: 19.3/14

asym_at1_dd_rms vs slug



Right In: 1381.022+/-0.563 χ^2/NDF : 100734.6/5

Left Out: 1161.322+/-0.380 χ^2/NDF : 942121.1/9

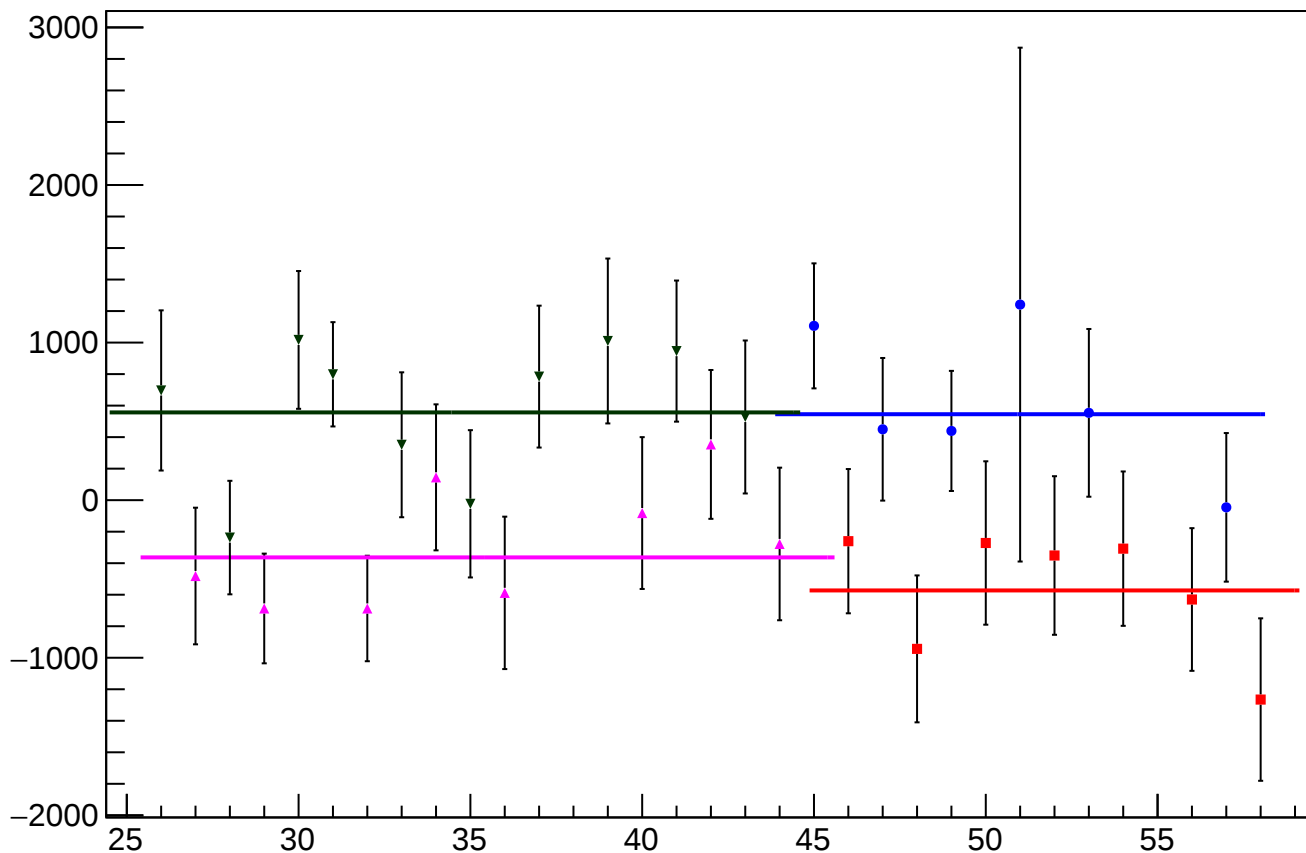
Right Out: 1451.930+/-0.558 χ^2/NDF : 146601.3/6

Left In: 1309.822+/-0.415 χ^2/NDF : 49968.8/7

1230.130+/-0.315 χ^2/NDF : 1147394.3/15

1360.479+/-0.333 χ^2/NDF : 238295.1/14

reg_asym_at2_avg_mean vs slug



Right In: 545.435 ± 194.158 χ^2/NDF : 3.9/5

Left Out: 556.863 ± 137.272 χ^2/NDF : 10.1/9

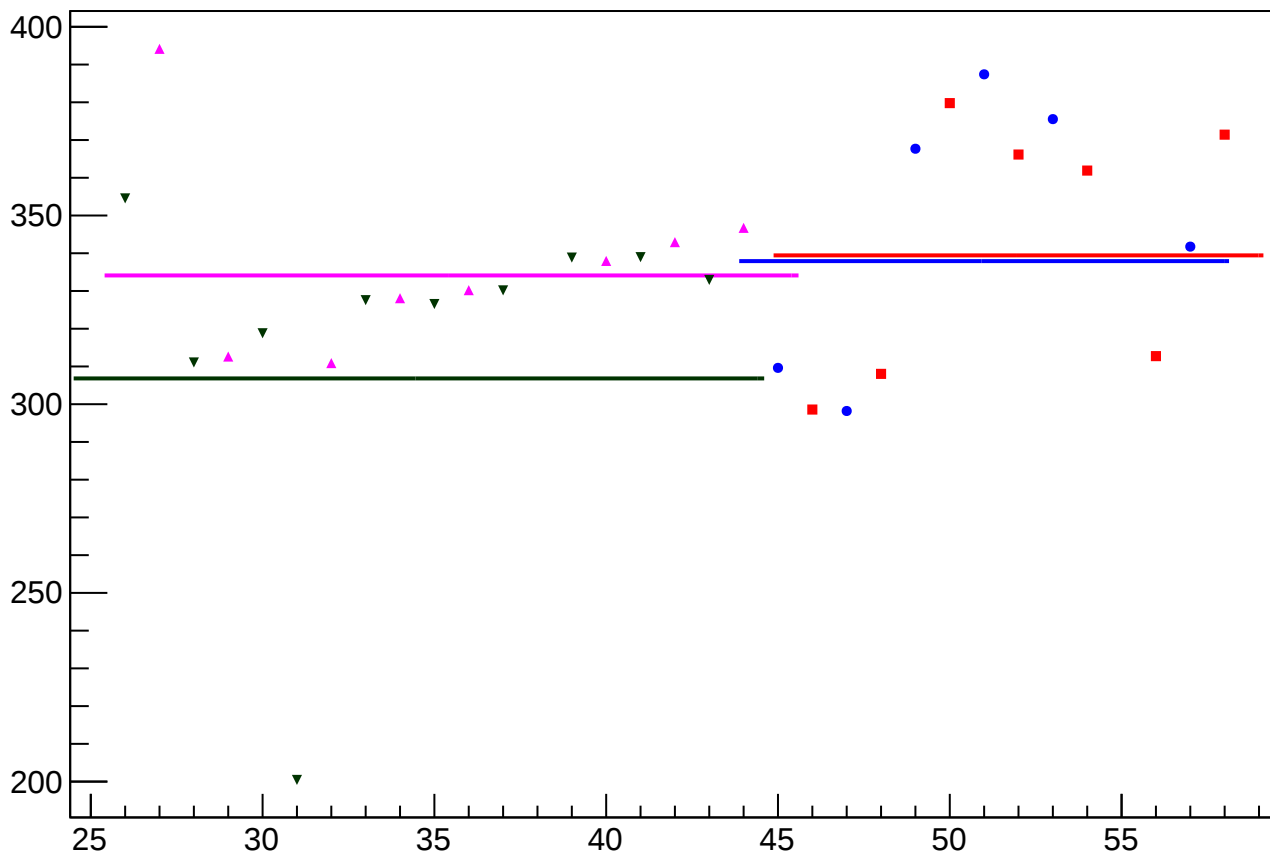
Right Out: -572.877 ± 183.023 χ^2/NDF : 3.7/6

Left In: -363.206 ± 149.925 χ^2/NDF : 6.0/7

553.055 ± 112.087 χ^2/NDF : 14.0/15

-447.402 ± 115.980 χ^2/NDF : 10.5/14

reg_asym_at2_avg_rms vs slug



Right In: 337.917 ± 0.137 χ^2/NDF : 49753.2/5

Left Out: 306.830 ± 0.097 χ^2/NDF : 262678.8/9

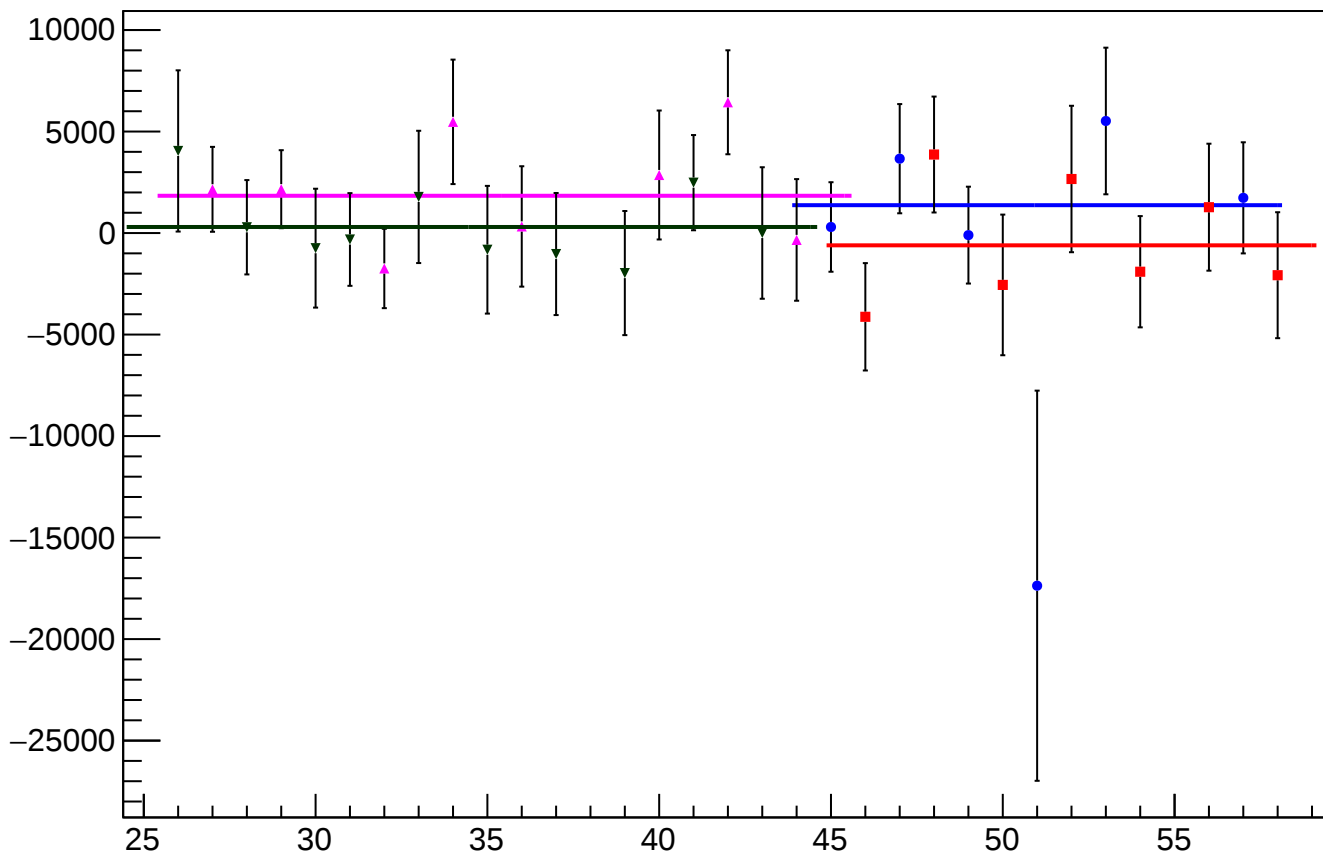
Right Out: 339.436 ± 0.129 χ^2/NDF : 61615.5/6

Left In: 334.120 ± 0.106 χ^2/NDF : 58261.7/7

317.190 ± 0.079 χ^2/NDF : 346616.4/15

336.255 ± 0.082 χ^2/NDF : 120886.9/14

asym_at2_avg_correction_mean vs slug



Right In: 1372.680+/-1161.843 χ^2/NDF : 6.5/5

Left Out: 298.949+/-895.409 χ^2/NDF : 3.0/9

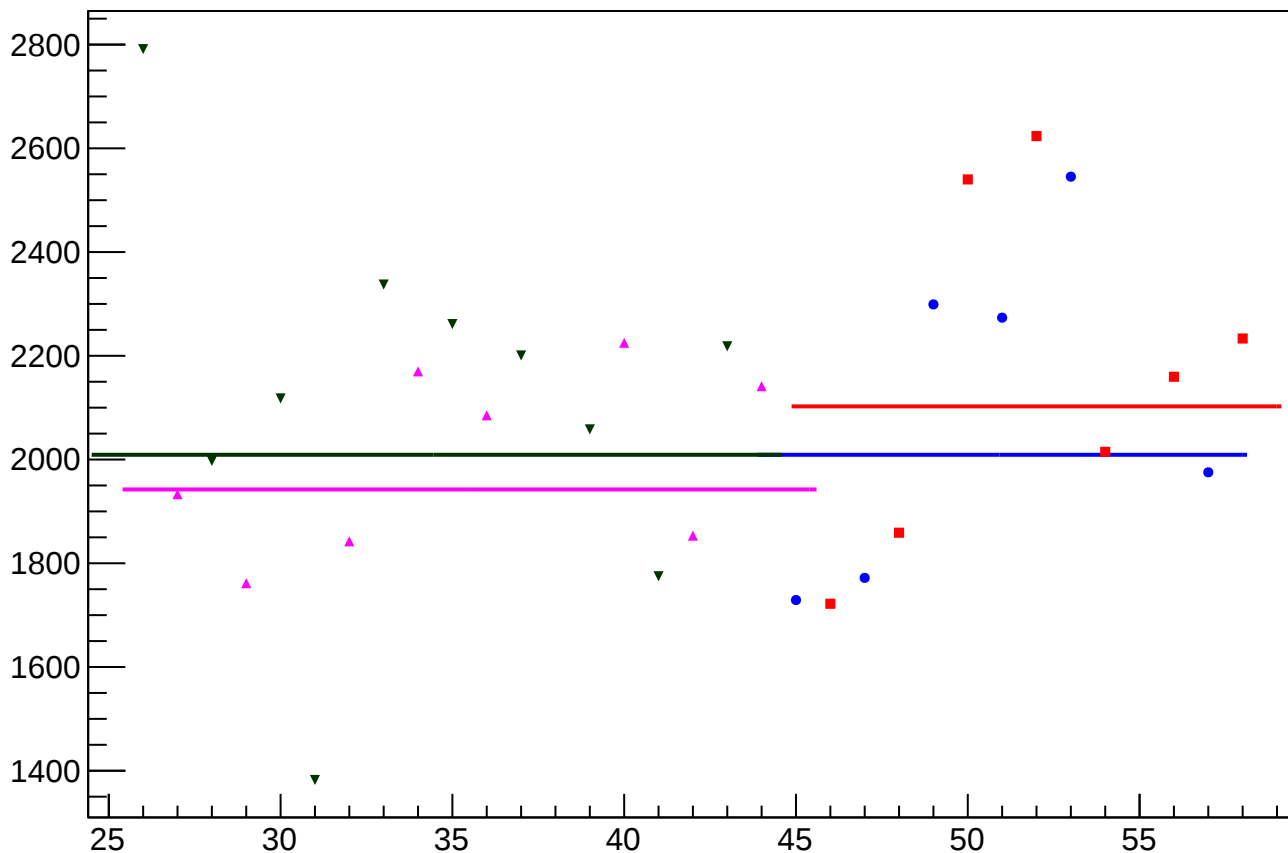
Right Out: -604.729+/-1143.066 χ^2/NDF : 6.2/6

Left In: 1836.605+/-862.395 χ^2/NDF : 8.9/7

699.050+/-709.226 χ^2/NDF : 10.1/15

951.047+/-688.440 χ^2/NDF : 18.0/14

asym_at2_avg_correction_rms vs slug



Right In: 2009.165+/-0.822 χ^2/NDF : 123311.8/5

Left Out: 2009.181+/-0.633 χ^2/NDF : 301244.6/9

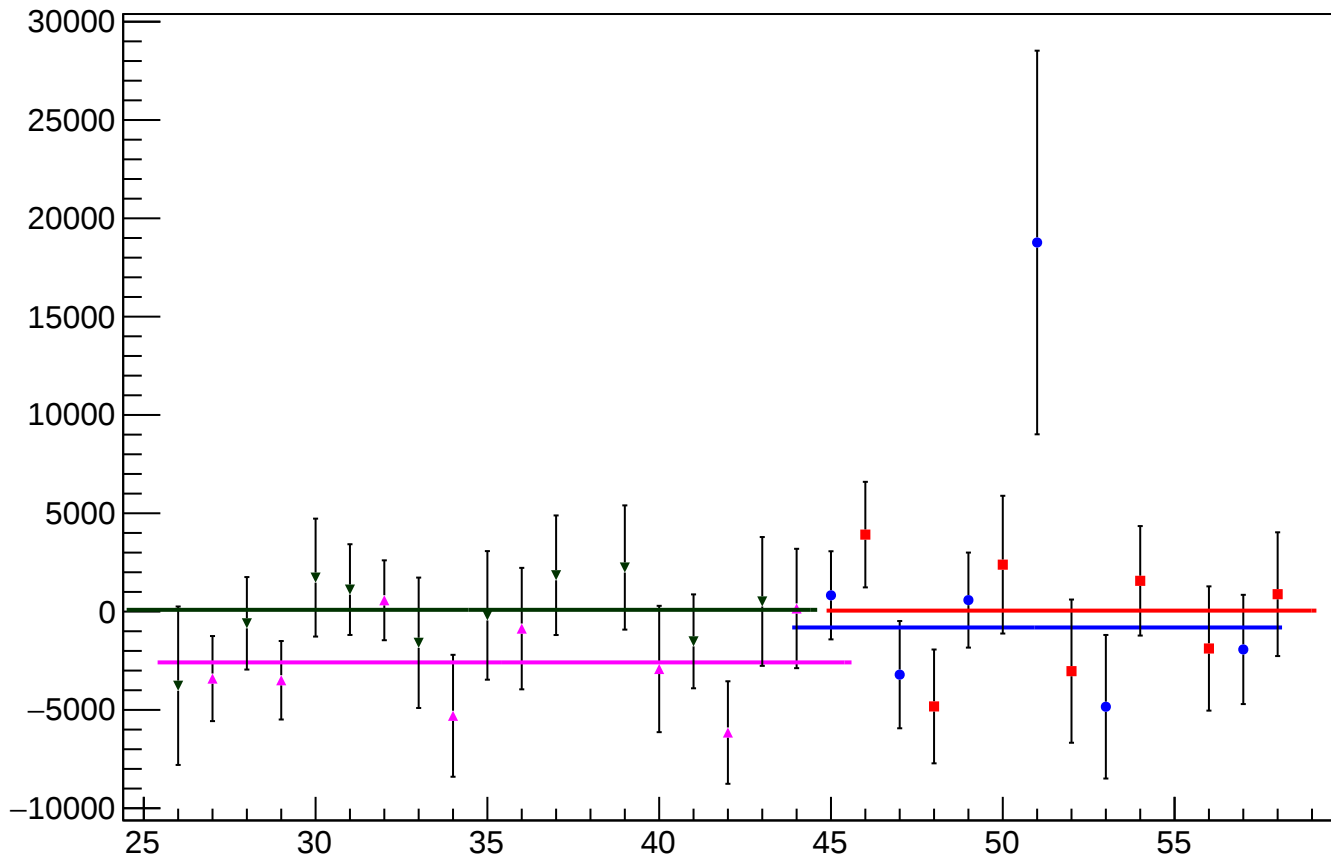
Right Out: 2102.471+/-0.808 χ^2/NDF : 135930.8/6

Left In: 1942.327+/-0.610 χ^2/NDF : 65743.5/7

2009.175+/-0.501 χ^2/NDF : 424556.4/15

2000.417+/-0.487 χ^2/NDF : 226691.1/14

asym_at2_avg_mean vs slug



Right In: -807.643+/-1178.542 χ^2/NDF : 7.0/5

Left Out: 89.516+/-911.791 χ^2/NDF : 3.0/9

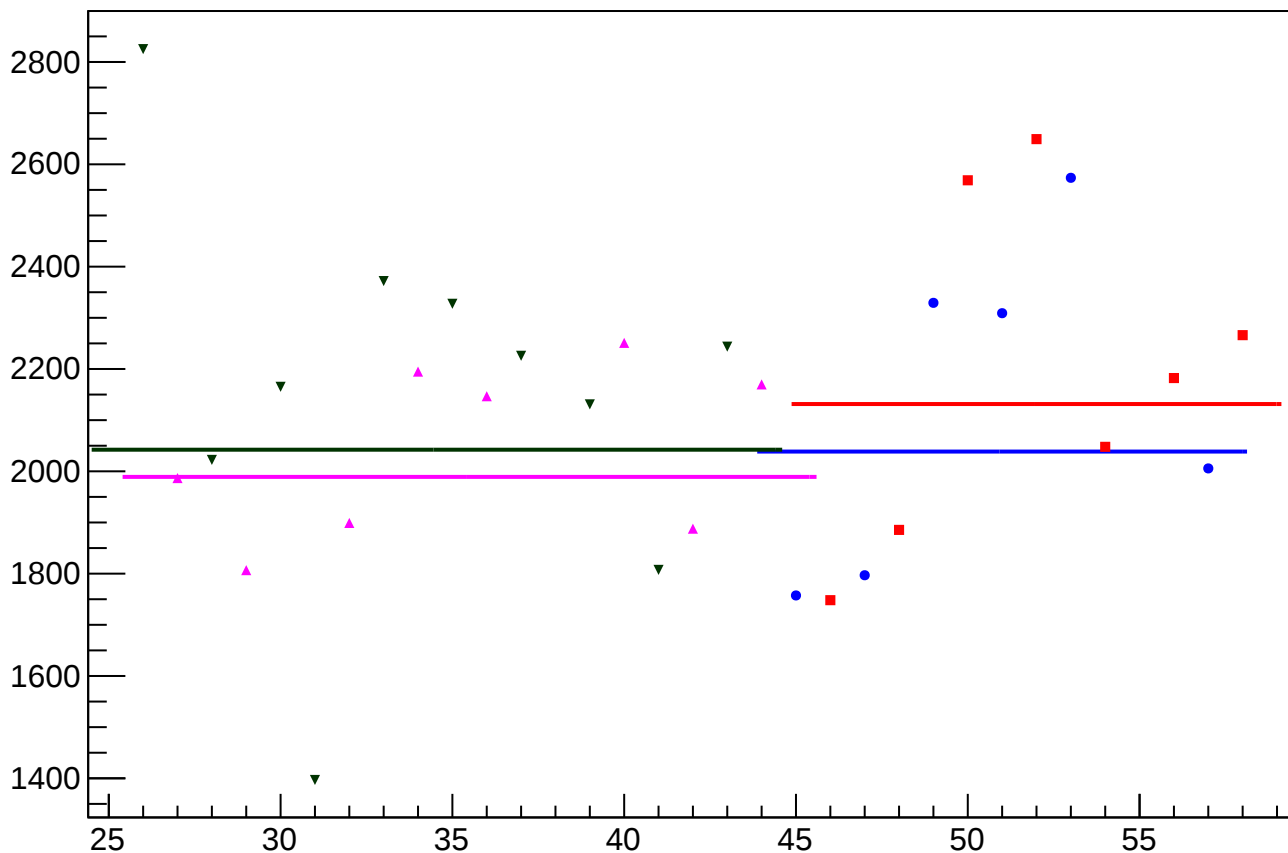
Right Out: 49.747+/-1158.412 χ^2/NDF : 6.8/6

Left In: -2584.001+/-887.895 χ^2/NDF : 6.5/7

-246.410+/-721.161 χ^2/NDF : 10.4/15

-1609.321+/-704.704 χ^2/NDF : 16.6/14

asym_at2_avg_rms vs slug



Right In: 2038.603+/-0.833 χ^2/NDF : 120918.2/5

Left Out: 2042.242+/-0.645 χ^2/NDF :306288.1/9

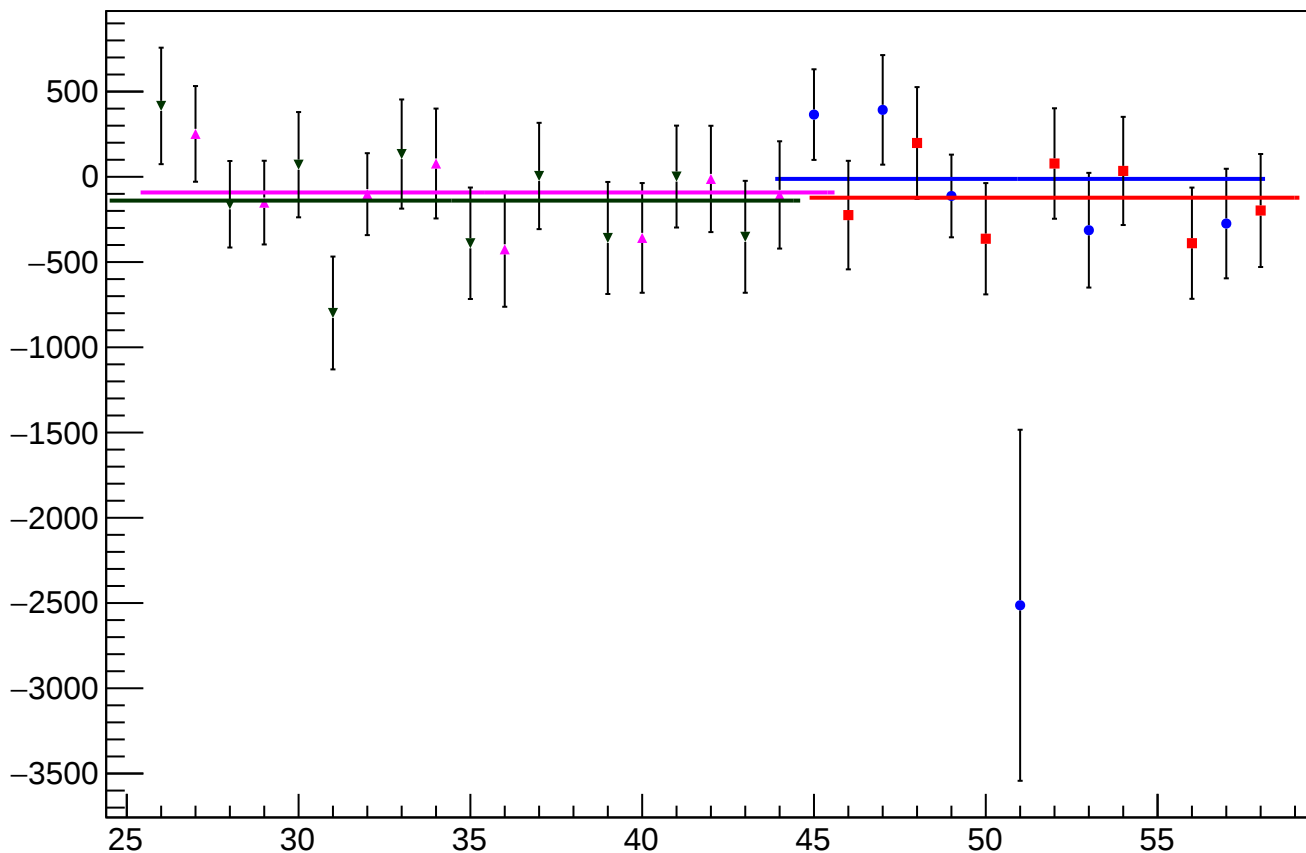
Right Out: 2131.491+/-0.819 χ^2/NDF : 132817.5/6

Left In: 1989.107+/-0.628 χ^2/NDF :58031.4/7

2040.879+/-0.510 χ^2/NDF : 427218.3/15

2041.799+/-0.498 χ^2/NDF : 209882.3/14

reg_asym_at2_dd_mean vs slug



Right In: -12.232 ± 128.764 χ^2/NDF : 11.1/5

Left Out: -139.503 ± 98.600 χ^2/NDF : 9.7/9

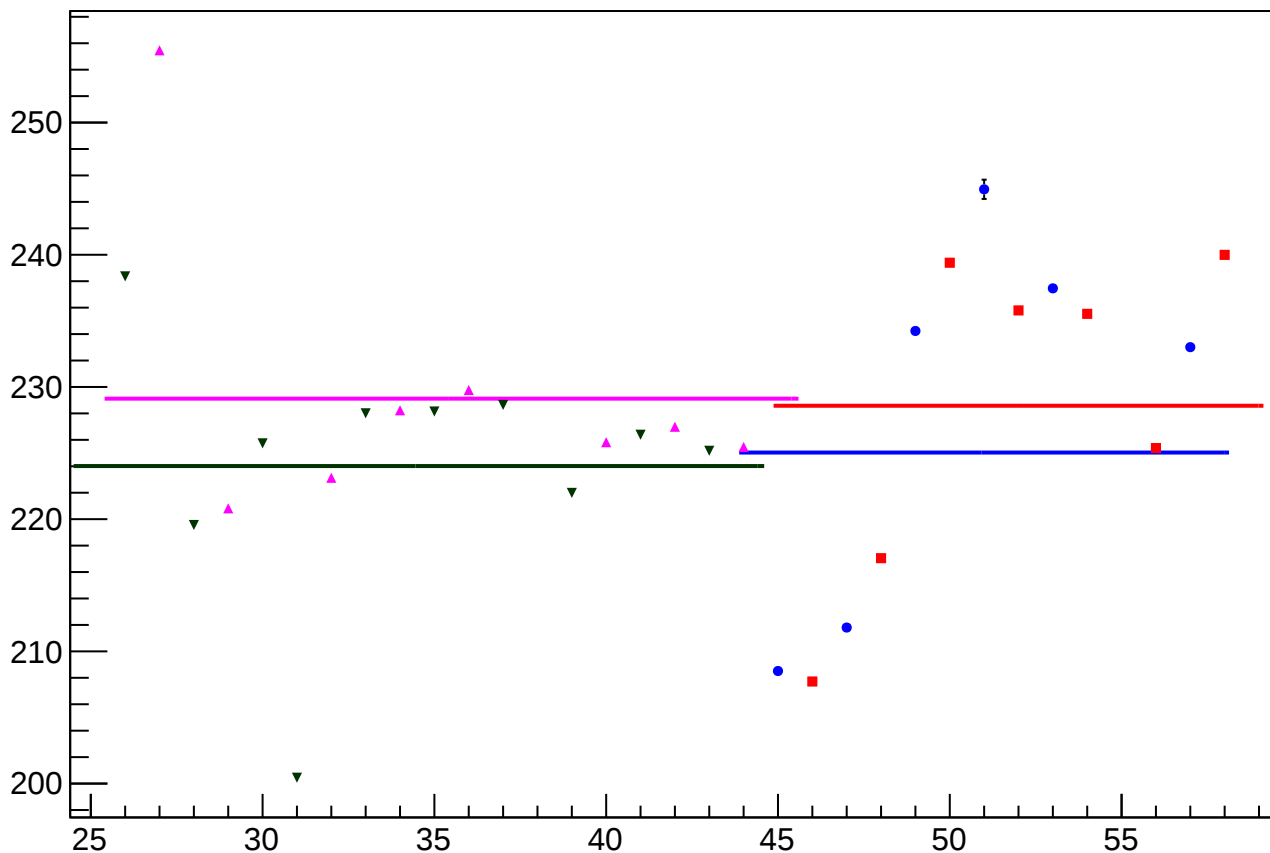
Right Out: -122.533 ± 122.608 χ^2/NDF : 3.0/6

Left In: -91.824 ± 102.556 χ^2/NDF : 3.6/7

-92.460 ± 78.284 χ^2/NDF : 21.5/15

-104.465 ± 78.665 χ^2/NDF : 6.6/14

reg_asym_at2_dd_rms vs slug



Right In: 225.040 ± 0.091 χ^2/NDF : 18709.8/5

Left Out: 224.018 ± 0.070 χ^2/NDF : 15653.5/9

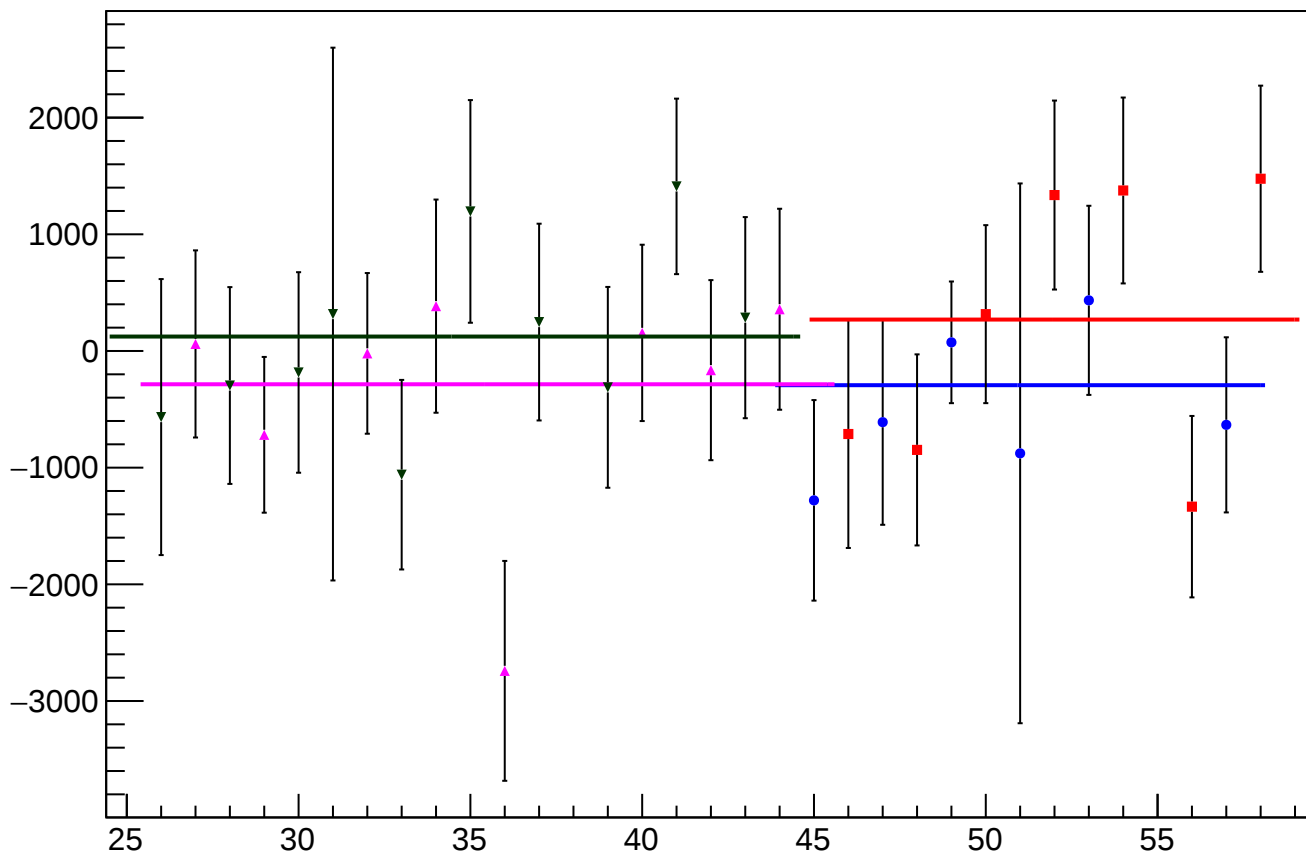
Right Out: 228.580 ± 0.087 χ^2/NDF : 17773.3/6

Left In: 229.116 ± 0.073 χ^2/NDF : 21746.8/7

224.395 ± 0.055 χ^2/NDF : 34442.7/15

228.895 ± 0.056 χ^2/NDF : 39542.6/14

asym_at2_dd_correction_mean vs slug



Right In: -293.202 ± 319.304 $\chi^2/\text{NDF}: 3.0/5$

Left Out: 123.706 ± 286.884 $\chi^2/\text{NDF}: 7.4/9$

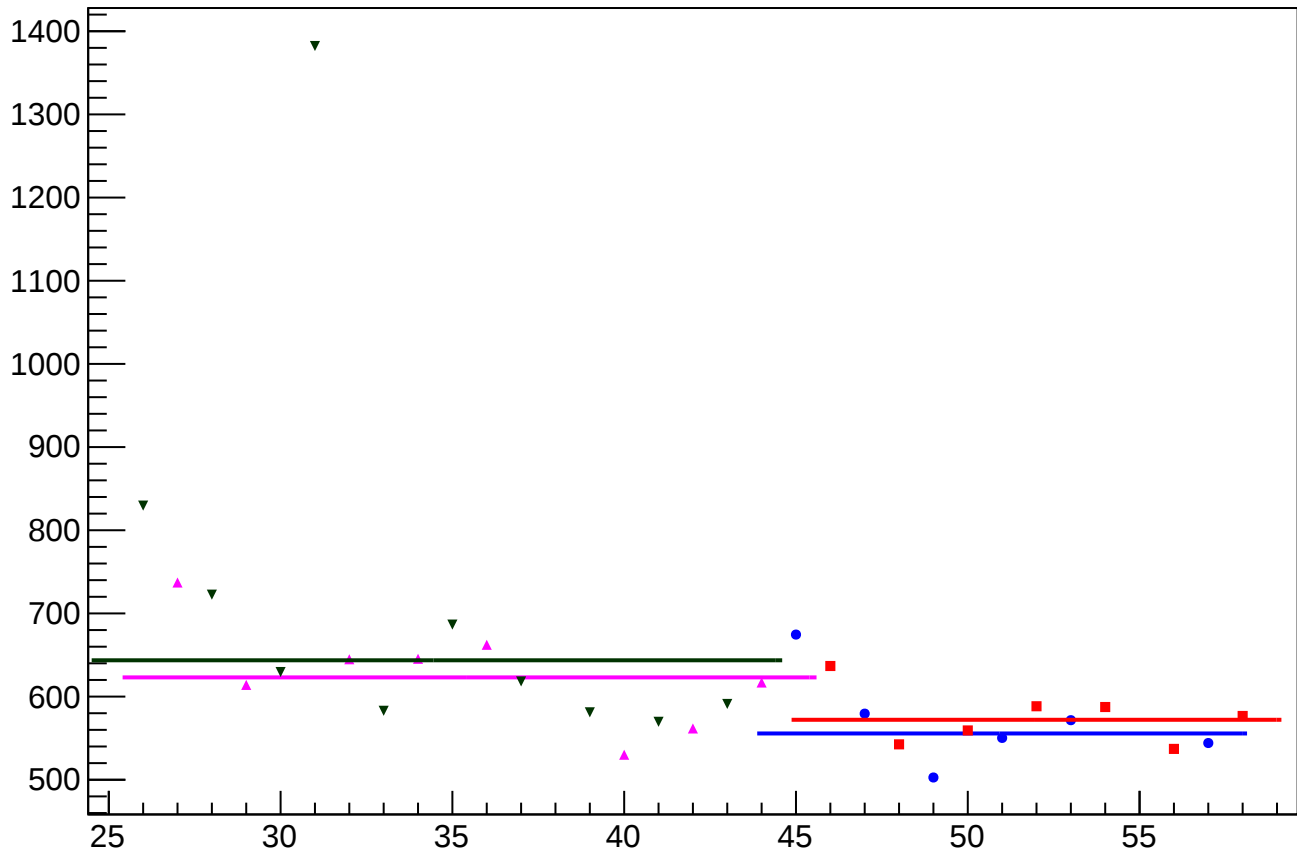
Right Out: 269.250 ± 307.391 $\chi^2/\text{NDF}: 13.1/6$

Left In: -285.318 ± 277.235 $\chi^2/\text{NDF}: 9.0/7$

-62.514 ± 213.402 $\chi^2/\text{NDF}: 11.3/15$

-36.564 ± 205.873 $\chi^2/\text{NDF}: 23.9/14$

asym_at2_dd_correction_rms vs slug



Right In: 555.663 $\pm$ 0.226 χ^2 /NDF: 61617.9/5

Left Out: 643.644 $\pm$ 0.203 χ^2 /NDF: 331127.9/9

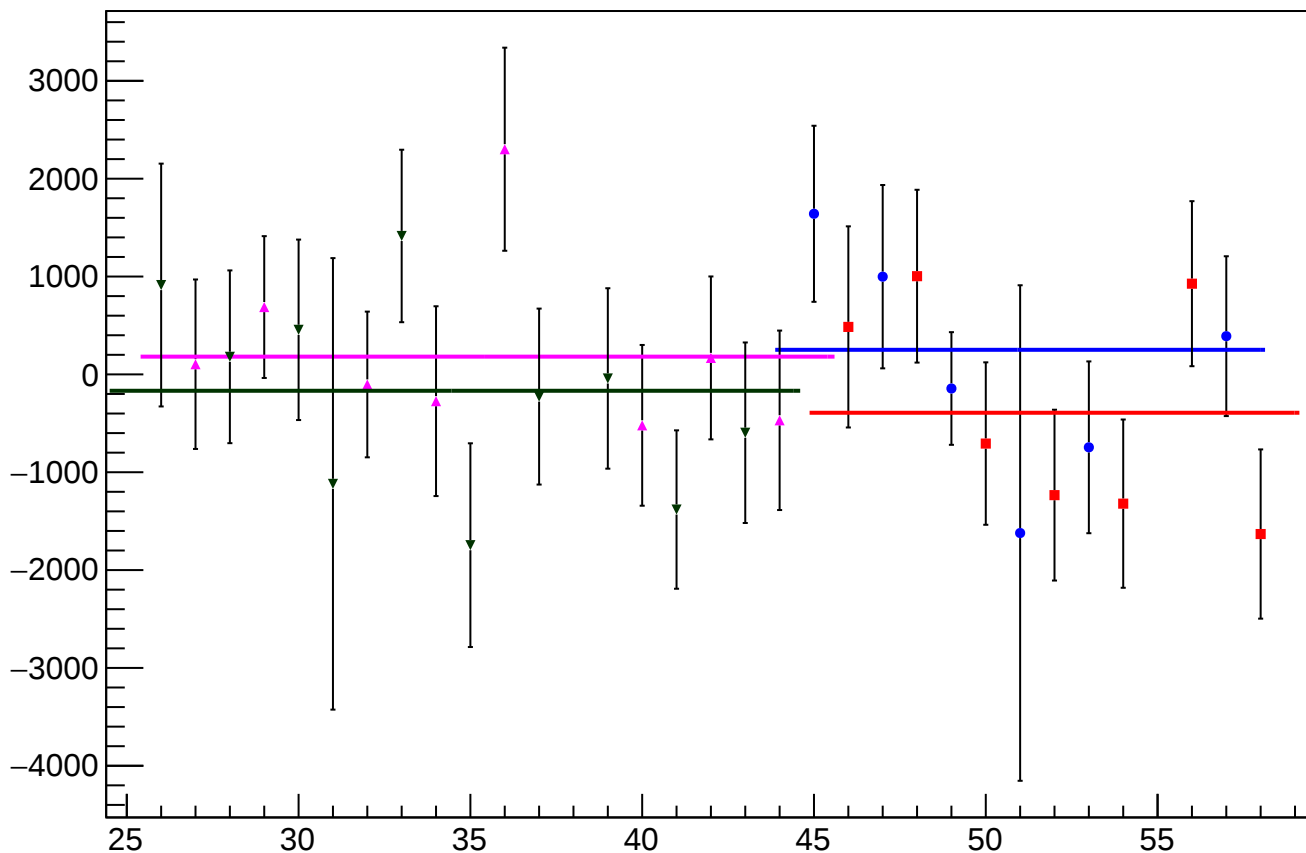
604.345 $\pm$ 0.151 χ^2 /NDF: 476765.4/15

Right Out: 572.114 $\pm$ 0.217 χ^2 /NDF: 17601.5/6

600.218 $\pm$ 0.146 χ^2 /NDF: 138465.0/14

Left In: 623.079 $\pm$ 0.196 χ^2 /NDF: 90546.5/7

asym_at2_dd_mean vs slug



Right In: 251.182 $\pm$ 346.181 χ^2 /NDF: 5.4/5

Left Out: -167.454 $\pm$ 306.843 χ^2 /NDF: 9.5/9

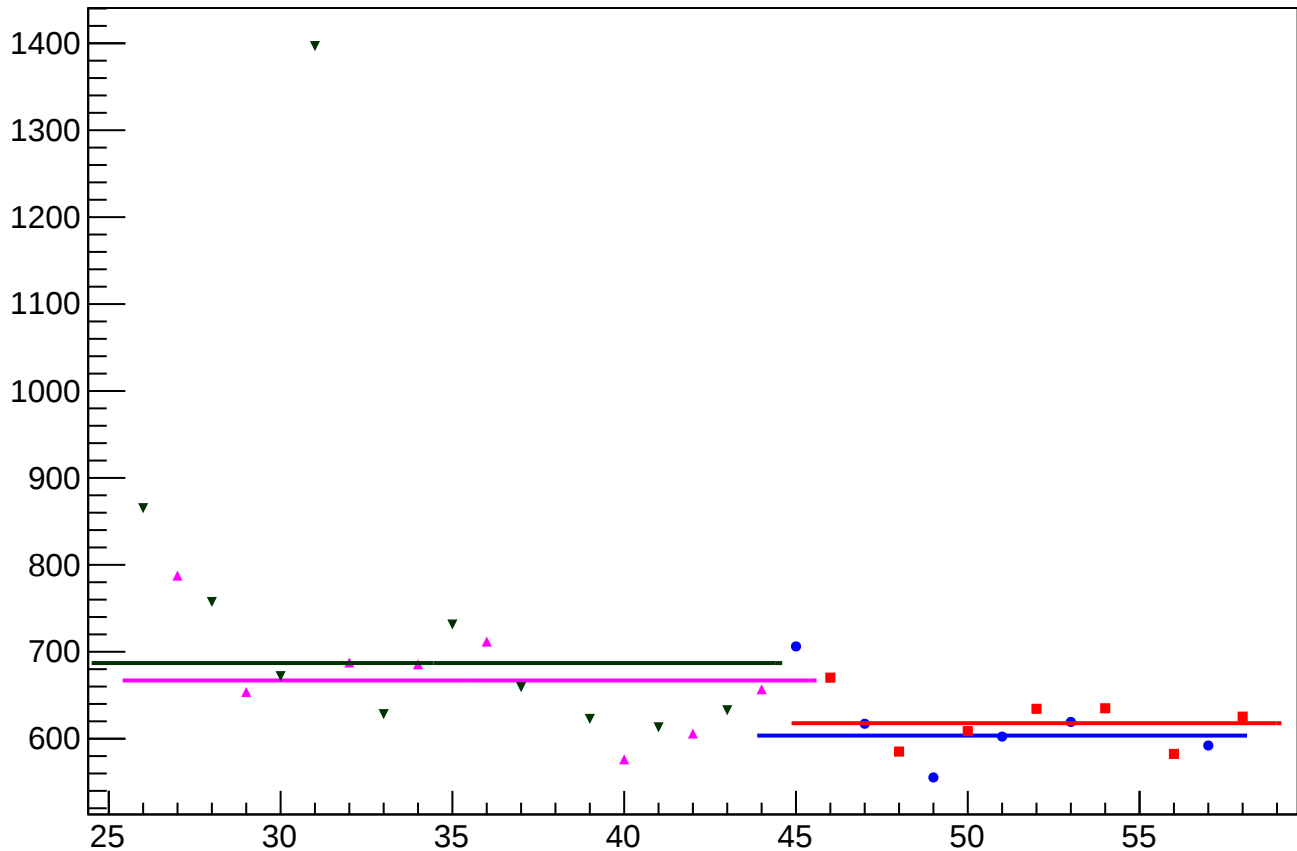
Right Out: -392.161 $\pm$ 331.707 χ^2 /NDF: 10.0/6

Left In: 181.369 $\pm$ 299.524 χ^2 /NDF: 6.3/7

16.737 $\pm$ 229.625 χ^2 /NDF: 15.7/15

-76.230 $\pm$ 222.305 χ^2 /NDF: 17.9/14

asym_at2_dd_rms vs slug



Right In: 603.594+/-0.245 χ^2/NDF : 41433.1/5

Left Out: 687.034+/-0.217 χ^2/NDF :291456.1/9

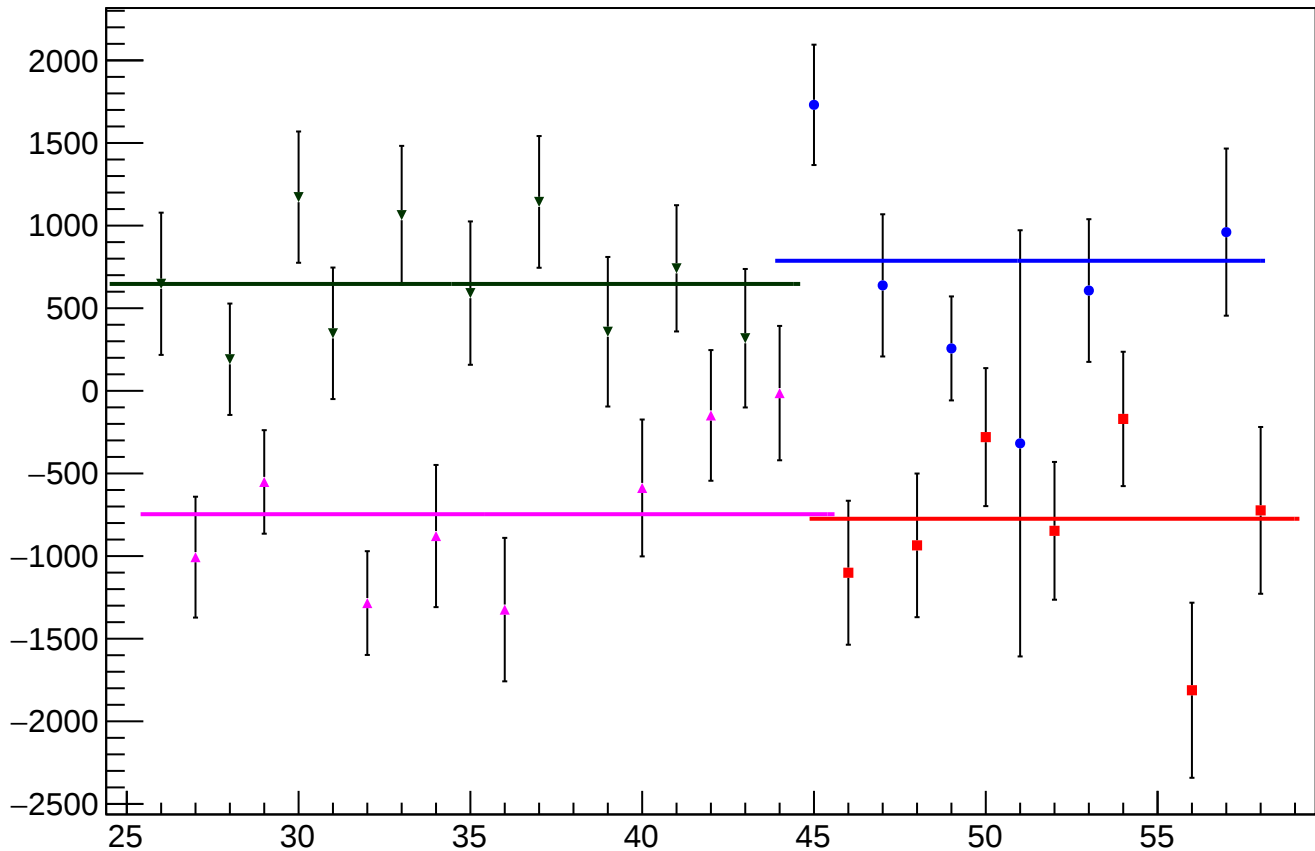
Right Out: 617.831+/-0.235 χ^2/NDF : 13348.0/6

Left In: 667.018+/-0.212 χ^2/NDF :80872.4/7

650.322+/-0.162 χ^2/NDF : 397959.3/15

644.926+/-0.157 χ^2/NDF : 118445.3/14

reg_asym_atl1r2_avg_mean vs slug



Right In: 787.171 $\pm$ 174.306 χ^2 /NDF: 10.7/5

Left Out: 646.945 $\pm$ 127.436 χ^2 /NDF: 7.8/9

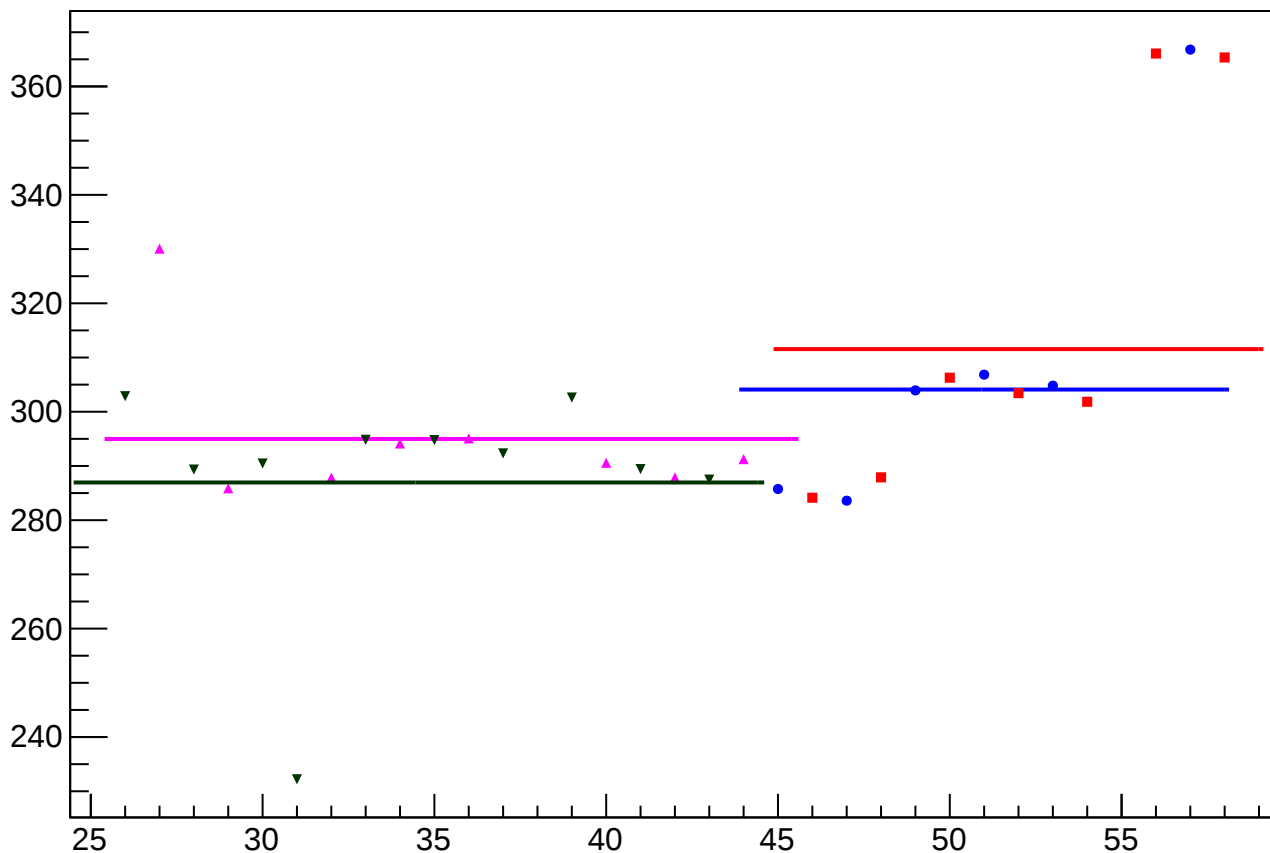
Right Out: -774.167 $\pm$ 167.630 χ^2 /NDF: 8.2/6

Left In: -746.580 $\pm$ 132.693 χ^2 /NDF: 11.4/7

695.790 $\pm$ 102.874 χ^2 /NDF: 18.9/15

-757.207 $\pm$ 104.042 χ^2 /NDF: 19.6/14

reg_asym_atl1r2_avg_rms vs slug



Right In: 304.095 ± 0.123 χ^2/NDF : 40360.4/5

Left Out: 286.953 ± 0.090 χ^2/NDF : 45031.7/9

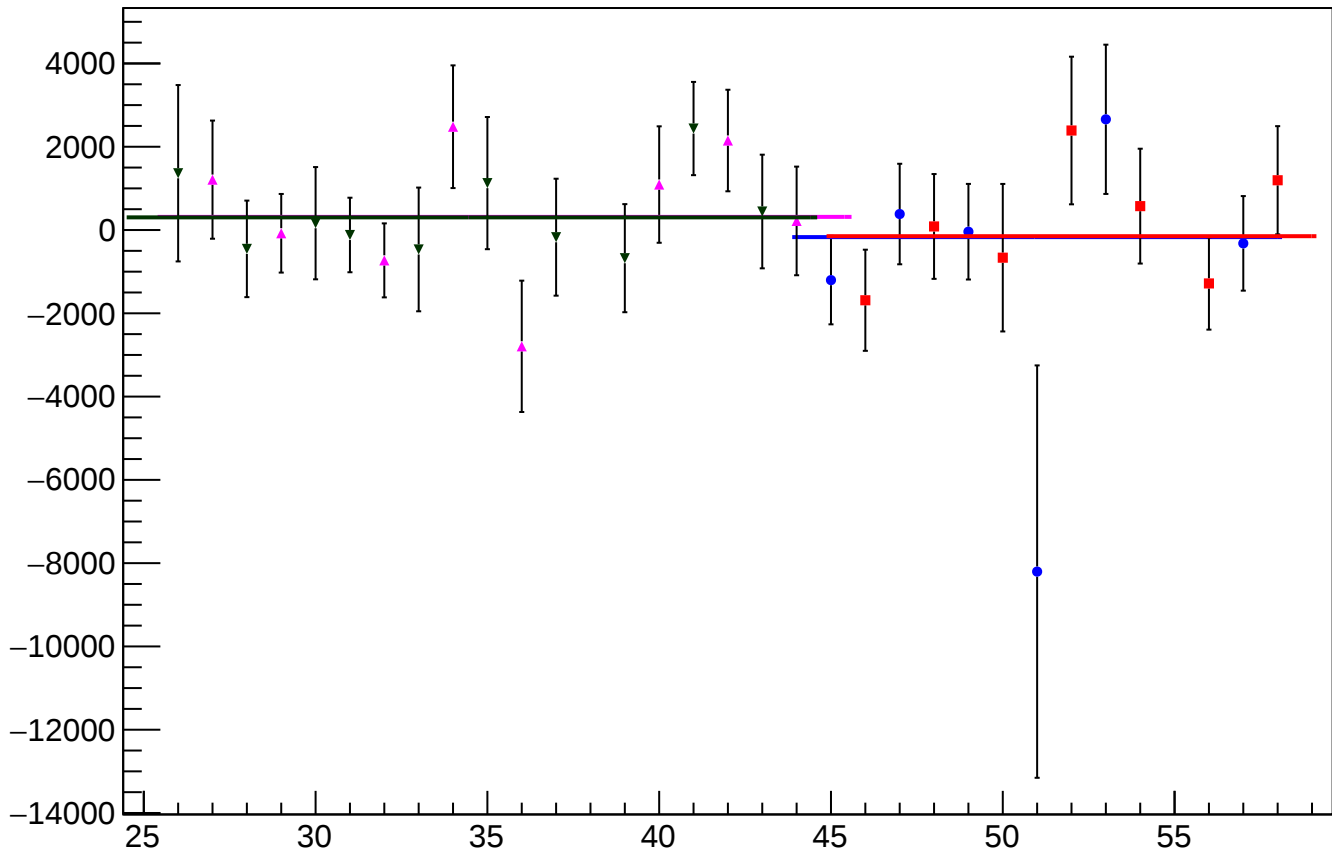
Right Out: 311.553 ± 0.119 χ^2/NDF : 59945.8/6

Left In: 294.977 ± 0.094 χ^2/NDF : 22175.8/7

292.924 ± 0.073 χ^2/NDF : 97998.8/15

301.362 ± 0.074 χ^2/NDF : 94145.0/14

asym_atl1r2_avg_correction_mean vs slug



Right In: -169.951 ± 537.718 χ^2/NDF : 6.3/5

Left Out: 303.959 ± 406.510 χ^2/NDF : 5.8/9

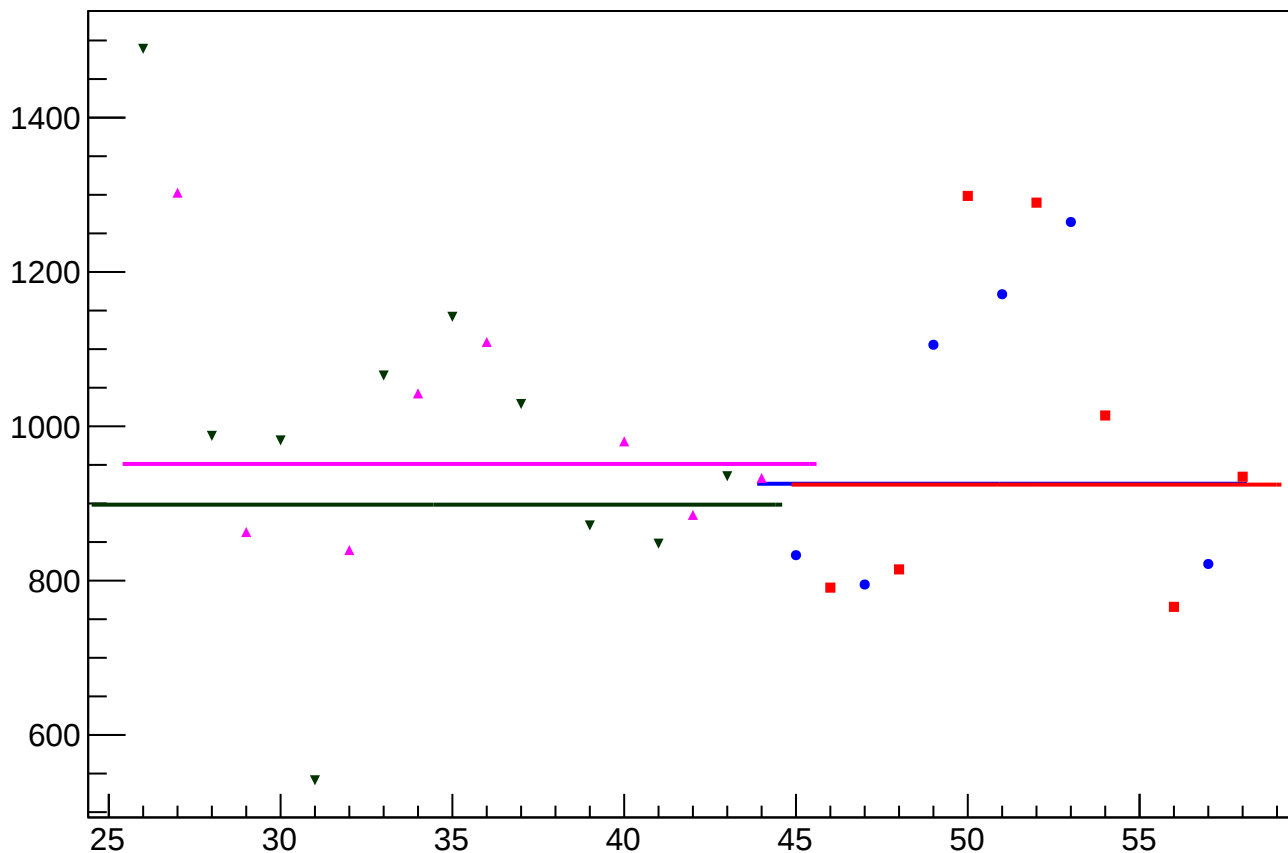
Right Out: -147.984 ± 507.854 χ^2/NDF : 6.2/6

Left In: 315.709 ± 425.643 χ^2/NDF : 10.6/7

131.610 ± 324.273 χ^2/NDF : 12.6/15

124.384 ± 326.219 χ^2/NDF : 17.2/14

asym_atl1r2_avg_correction_rms vs slug



Right In: 925.559+/-0.380 χ^2/NDF : 181101.7/5

Left Out: 898.453+/-0.287 χ^2/NDF : 589701.9/9

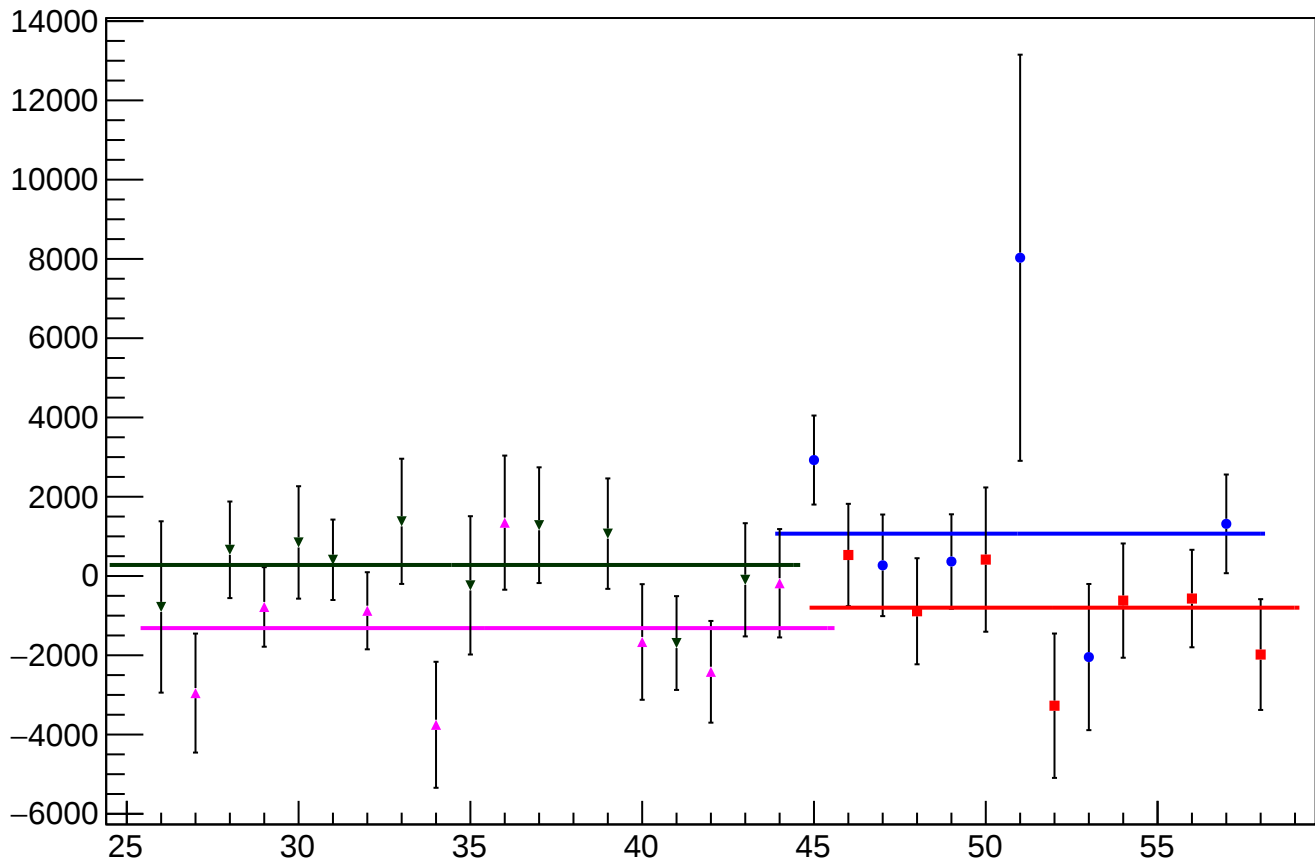
Right Out: 924.451+/-0.359 χ^2/NDF : 262960.3/6

Left In: 951.224+/-0.301 χ^2/NDF : 206752.8/7

908.311+/-0.229 χ^2/NDF : 774037.4/15

940.177+/-0.231 χ^2/NDF : 472978.2/14

asym_atl1r2_avg_mean vs slug



Right In: 1068.378 ± 569.497 χ^2/NDF : 8.2/5

Left Out: 278.652 ± 435.403 χ^2/NDF : 4.7/9

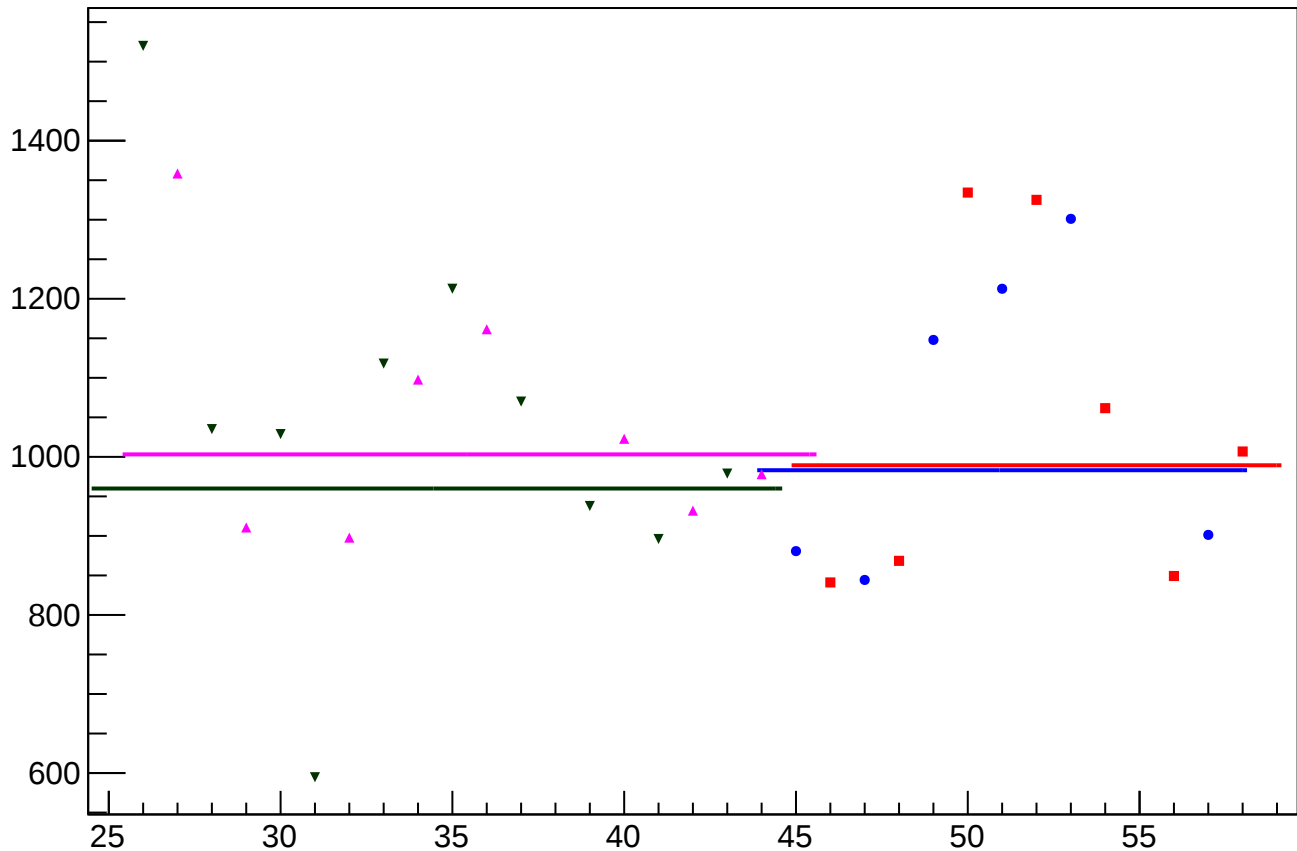
Right Out: -798.954 ± 541.014 χ^2/NDF : 4.1/6

Left In: -1314.458 ± 454.003 χ^2/NDF : 8.0/7

569.978 ± 345.894 χ^2/NDF : 14.1/15

-1101.443 ± 347.774 χ^2/NDF : 12.6/14

asym_atl1r2_avg_rms vs slug



Right In: 983.108+/-0.403 χ^2/NDF : 150485.5/5

Left Out: 959.970+/-0.308 χ^2/NDF : 485856.9/9

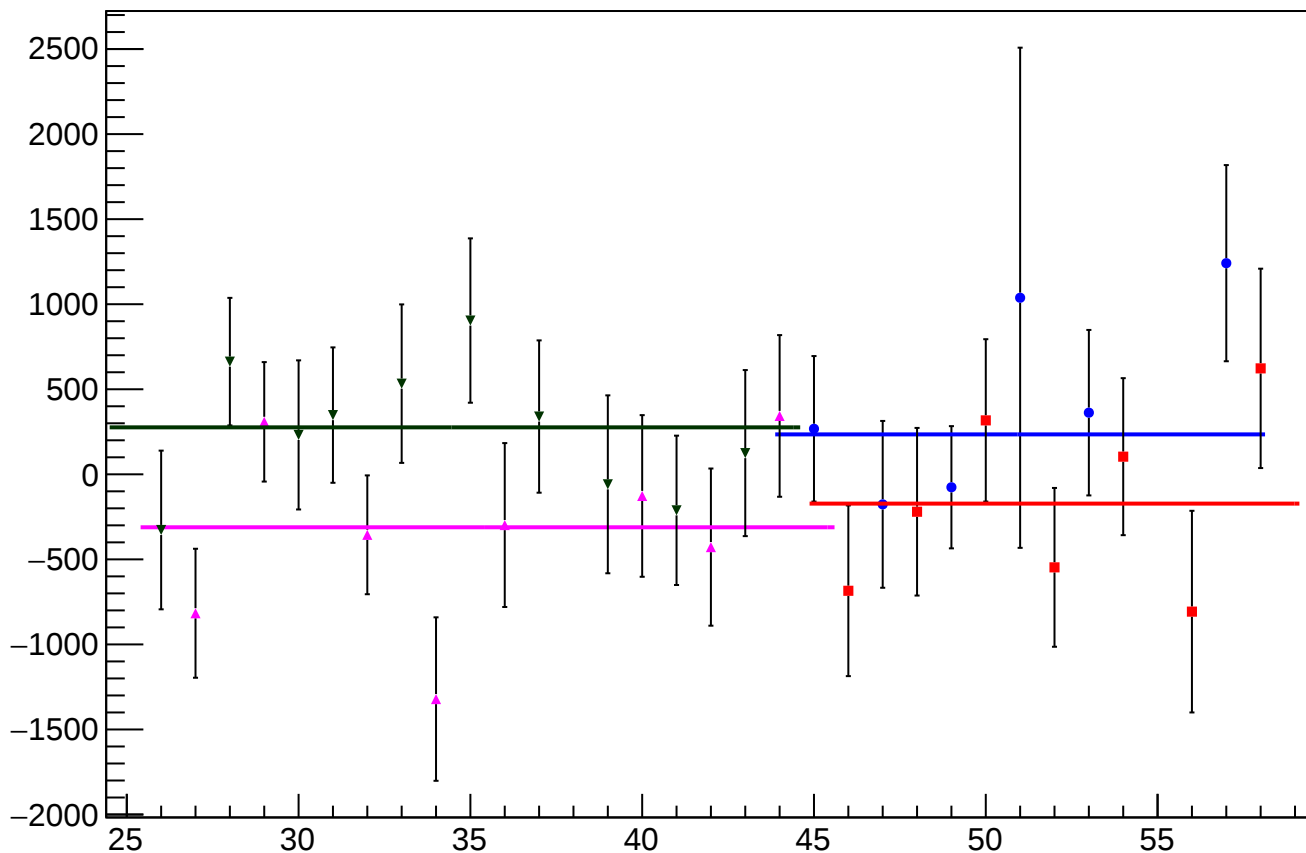
Right Out: 989.365+/-0.383 χ^2/NDF : 213815.6/6

Left In: 1003.146+/-0.321 χ^2/NDF : 184277.9/7

968.506+/-0.245 χ^2/NDF : 638425.8/15

997.452+/-0.246 χ^2/NDF : 398855.0/14

reg_asym_atl1r2_dd_mean vs slug



Right In: 234.720 $\pm$ 199.718 χ^2 /NDF: 4.9/5

Left Out: 276.090 $\pm$ 141.202 χ^2 /NDF:6.5/9

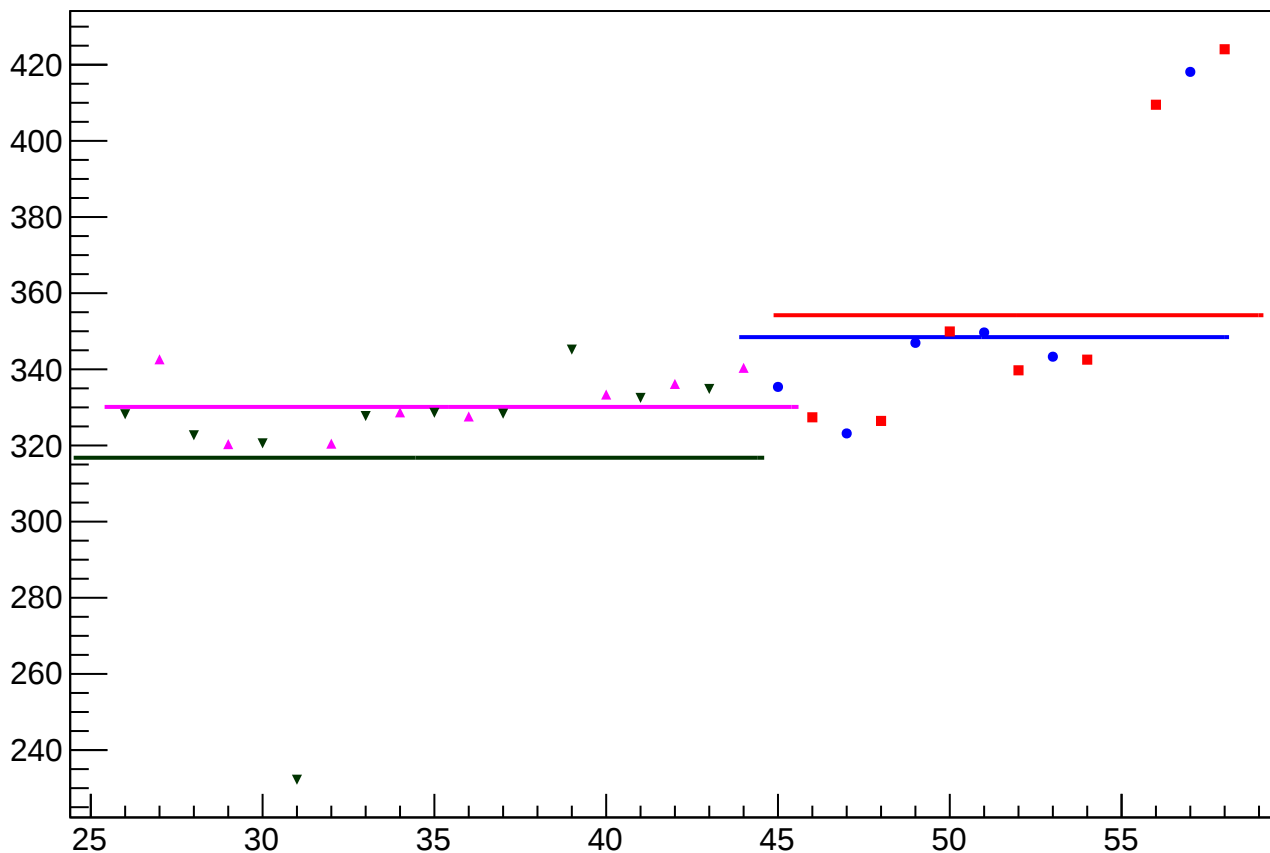
Right Out: -172.221 $\pm$ 190.608 χ^2 /NDF: 6.1/6

Left In: -311.389 $\pm$ 148.343 χ^2 /NDF:11.4/7

262.303 $\pm$ 115.296 χ^2 /NDF: 11.4/15

-258.892 $\pm$ 117.067 χ^2 /NDF: 17.9/14

reg_asym_atl1r2_dd_rms vs slug



Right In: 348.458+/-0.141 χ^2/NDF : 36641.9/5

Left Out: 316.778+/-0.100 χ^2/NDF :106979.2/9

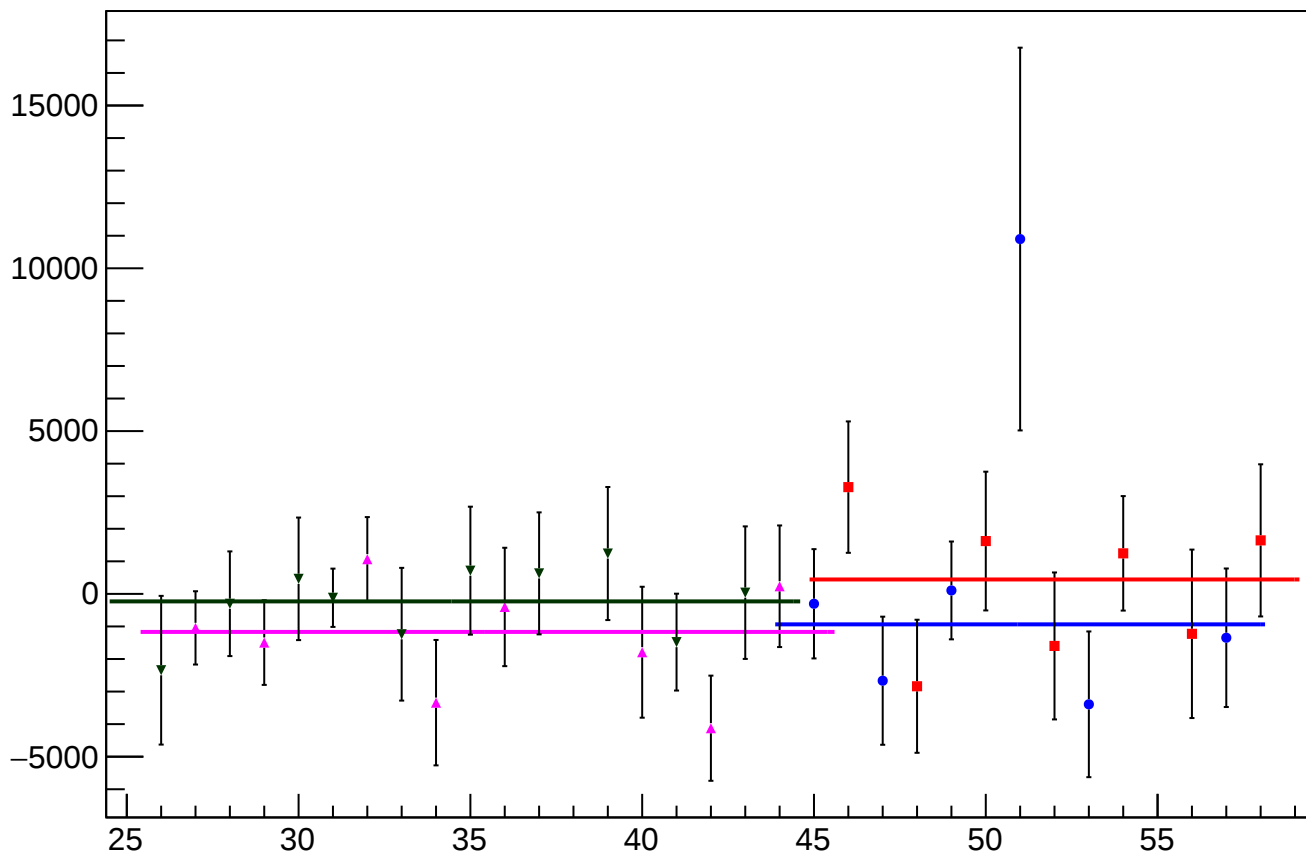
Right Out: 354.210+/-0.135 χ^2/NDF : 61236.6/6

Left In: 330.127+/-0.105 χ^2/NDF :6690.1/7

327.336+/-0.082 χ^2/NDF : 177172.7/15

339.211+/-0.083 χ^2/NDF : 87811.1/14

asym_atl1r2_dd_correction_mean vs slug



Right In: -935.675+/-814.832 χ^2/NDF : 6.7/5

Left Out: -230.495+/-511.193 χ^2/NDF : 2.9/9

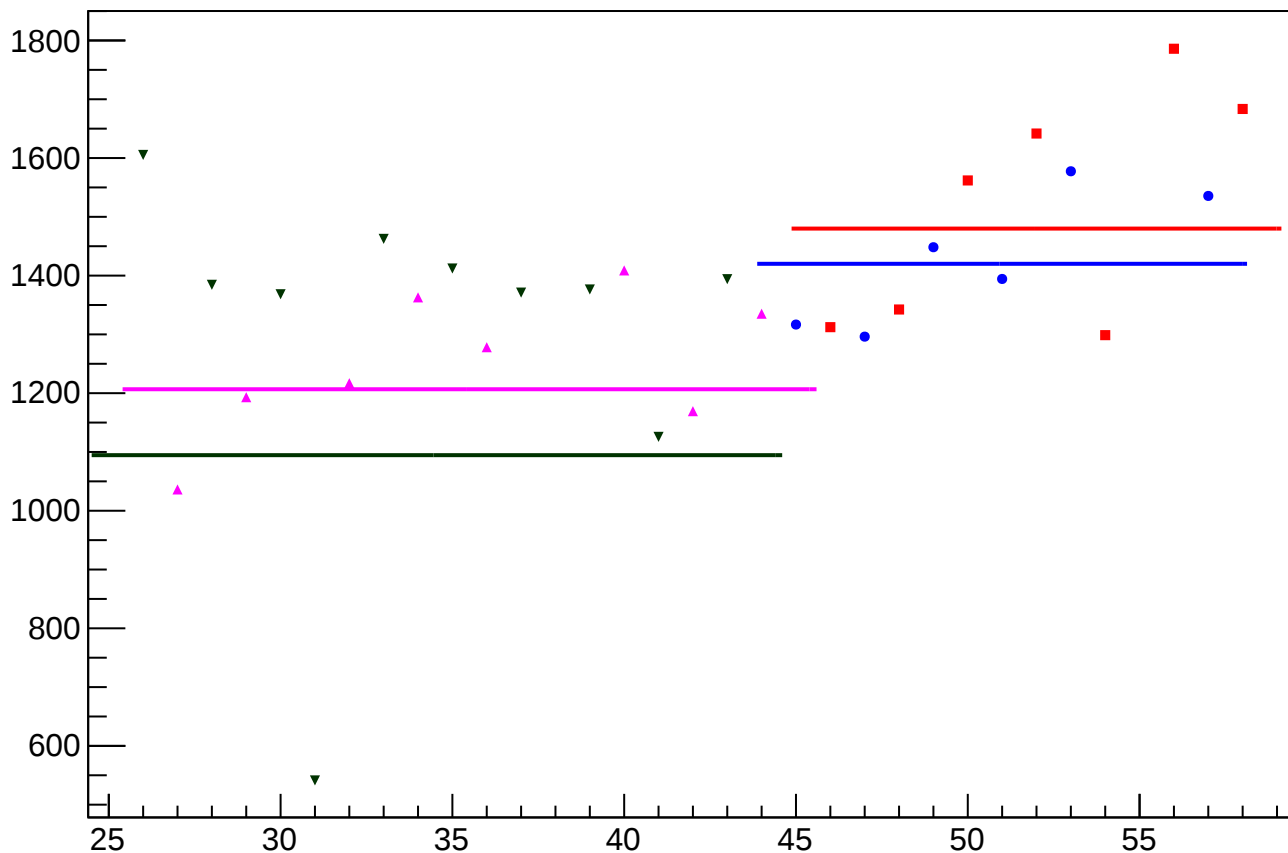
Right Out: 442.923+/-801.243 χ^2/NDF : 6.6/6

Left In: -1168.061+/-536.955 χ^2/NDF : 8.5/7

-429.655+/-433.031 χ^2/NDF : 10.2/15

-668.787+/-446.055 χ^2/NDF : 17.9/14

asym_atl1r2_dd_correction_rms vs slug



Right In: 1420.082+/-0.576 χ^2/NDF : 32050.3/5

Left Out: 1094.559+/-0.361 χ^2/NDF :1214879.1/9

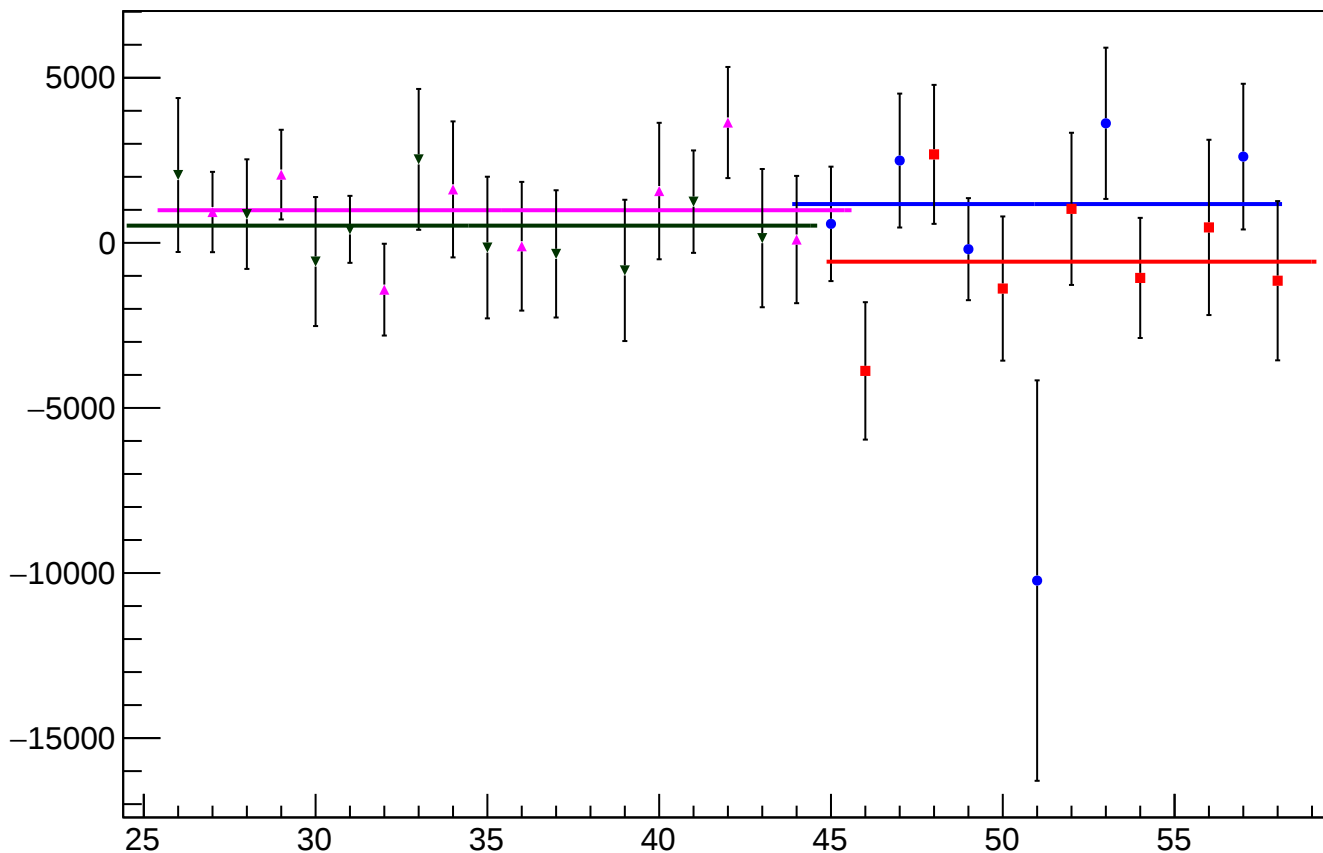
Right Out: 1480.001+/-0.567 χ^2/NDF : 100503.2/6

Left In: 1206.686+/-0.380 χ^2/NDF :93225.4/7

1186.495+/-0.306 χ^2/NDF : 1475976.4/15

1291.391+/-0.315 χ^2/NDF : 354322.6/14

asym_atl1r2_dd_mean vs slug



Right In: 1175.275 ± 839.761 χ^2/NDF : 6.4/5

Left Out: 521.878 ± 546.444 χ^2/NDF : 2.6/9

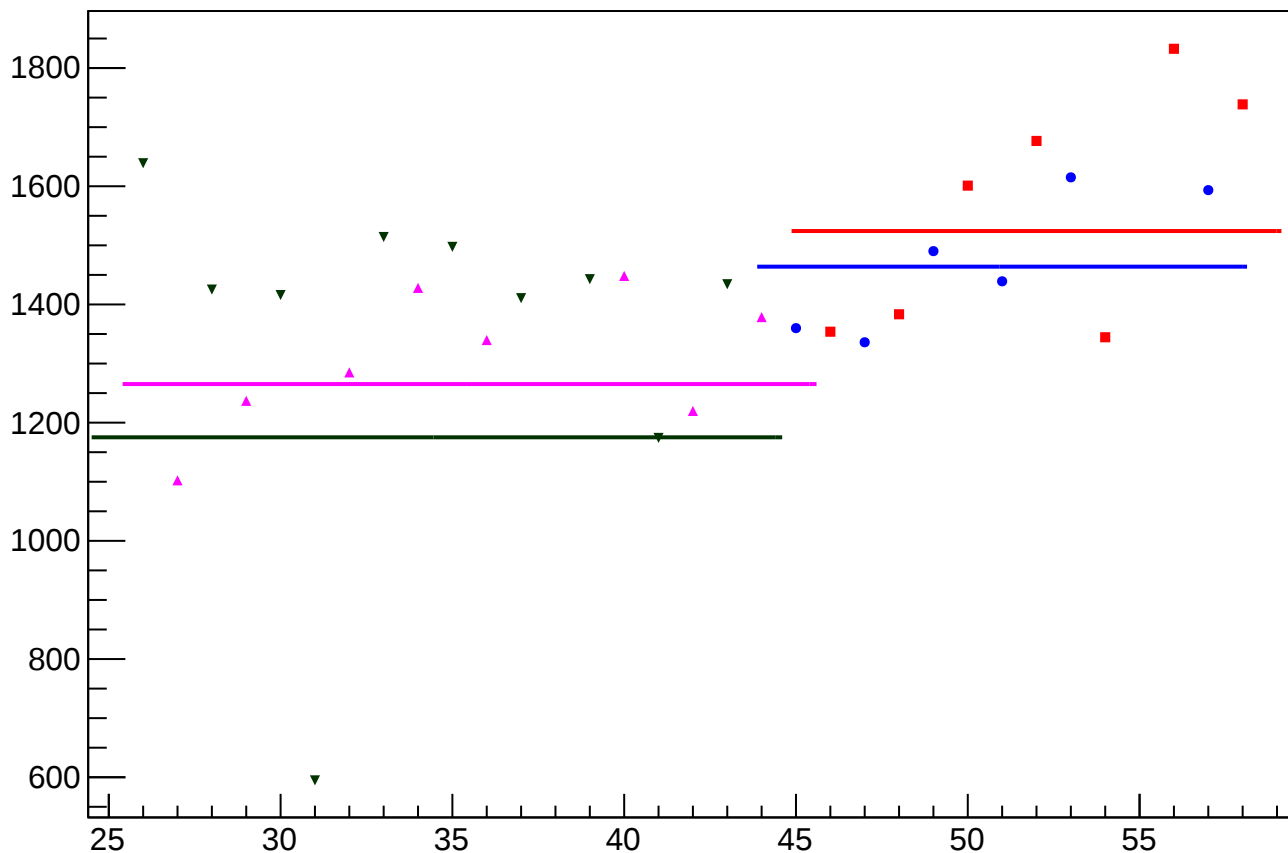
Right Out: -569.877 ± 824.629 χ^2/NDF : 5.8/6

Left In: 988.467 ± 568.860 χ^2/NDF : 6.8/7

716.245 ± 458.013 χ^2/NDF : 9.5/15

486.000 ± 468.253 χ^2/NDF : 15.1/14

asym_atl1r2_dd_rms vs slug



Right In: 1463.944+/-0.594 χ^2/NDF : 31374.1/5

Left Out: 1175.201+/-0.386 χ^2/NDF : 997076.7/9

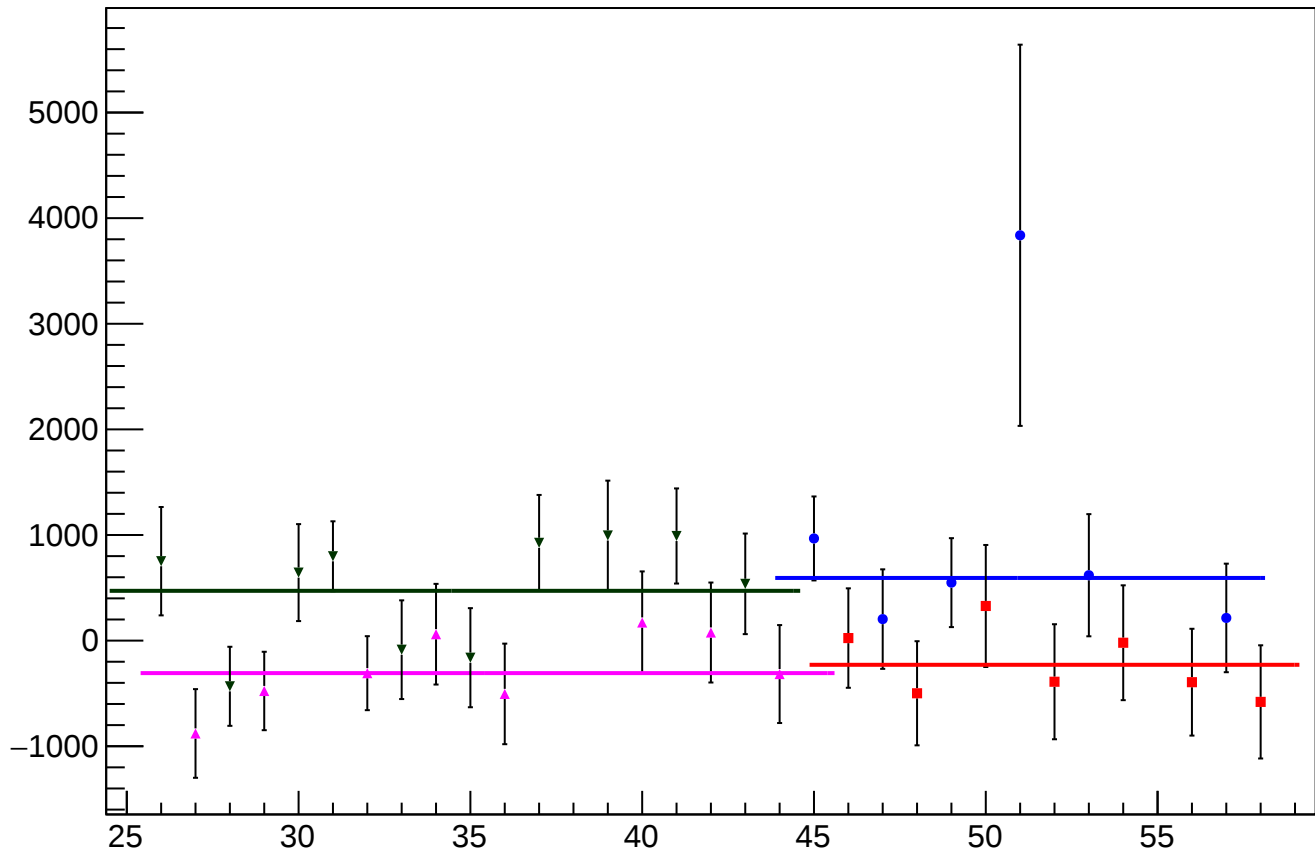
Right Out: 1524.234+/-0.583 χ^2/NDF : 95894.7/6

Left In: 1265.308+/-0.402 χ^2/NDF : 76563.2/7

1261.093+/-0.324 χ^2/NDF : 1194564.6/15

1348.795+/-0.331 χ^2/NDF : 306060.1/14

reg_asym_atr1l2_avg_mean vs slug



Right In: 593.357 ± 206.039 χ^2/NDF : 5.4/5

Left Out: 471.416 ± 138.869 χ^2/NDF : 13.9/9

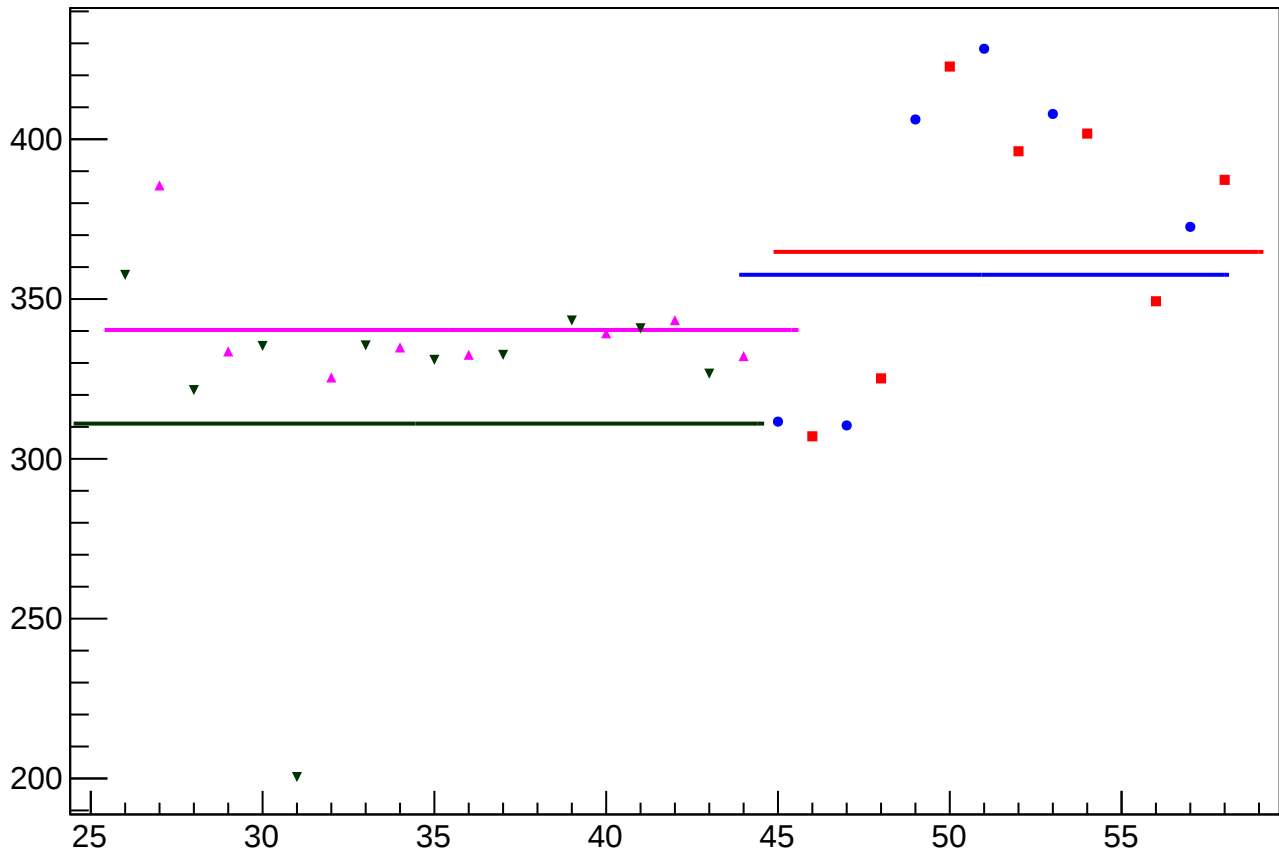
Right Out: -228.986 ± 196.983 χ^2/NDF : 2.3/6

Left In: -307.654 ± 151.998 χ^2/NDF : 4.5/7

509.507 ± 115.155 χ^2/NDF : 19.5/15

-278.295 ± 120.338 χ^2/NDF : 6.9/14

reg_asym_atr1l2_avg_rms vs slug



Right In: 357.589 ± 0.146 χ^2/NDF : 93277.1/5

Left Out: 311.029 ± 0.098 χ^2/NDF : 279202.9/9

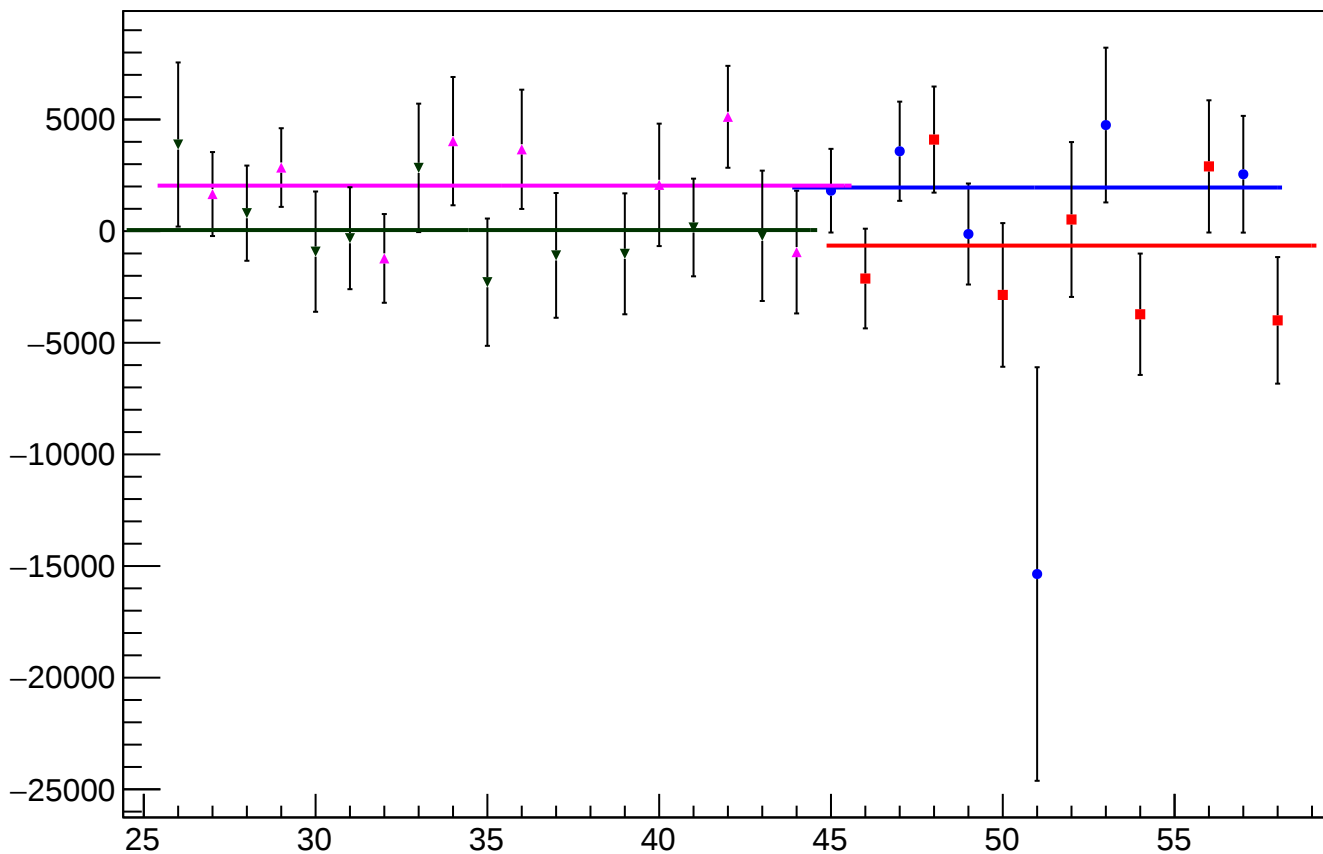
Right Out: 364.759 ± 0.139 χ^2/NDF : 84430.7/6

Left In: 340.323 ± 0.107 χ^2/NDF : 28978.3/7

325.573 ± 0.081 χ^2/NDF : 442706.7/15

349.443 ± 0.085 χ^2/NDF : 132699.8/14

asym_atr1l2_avg_correction_mean vs slug



Right In: 1954.040 $\pm$ 1040.302 χ^2 /NDF: 5.6/5

Left Out: 48.343 $\pm$ 828.109 χ^2 /NDF: 3.3/9

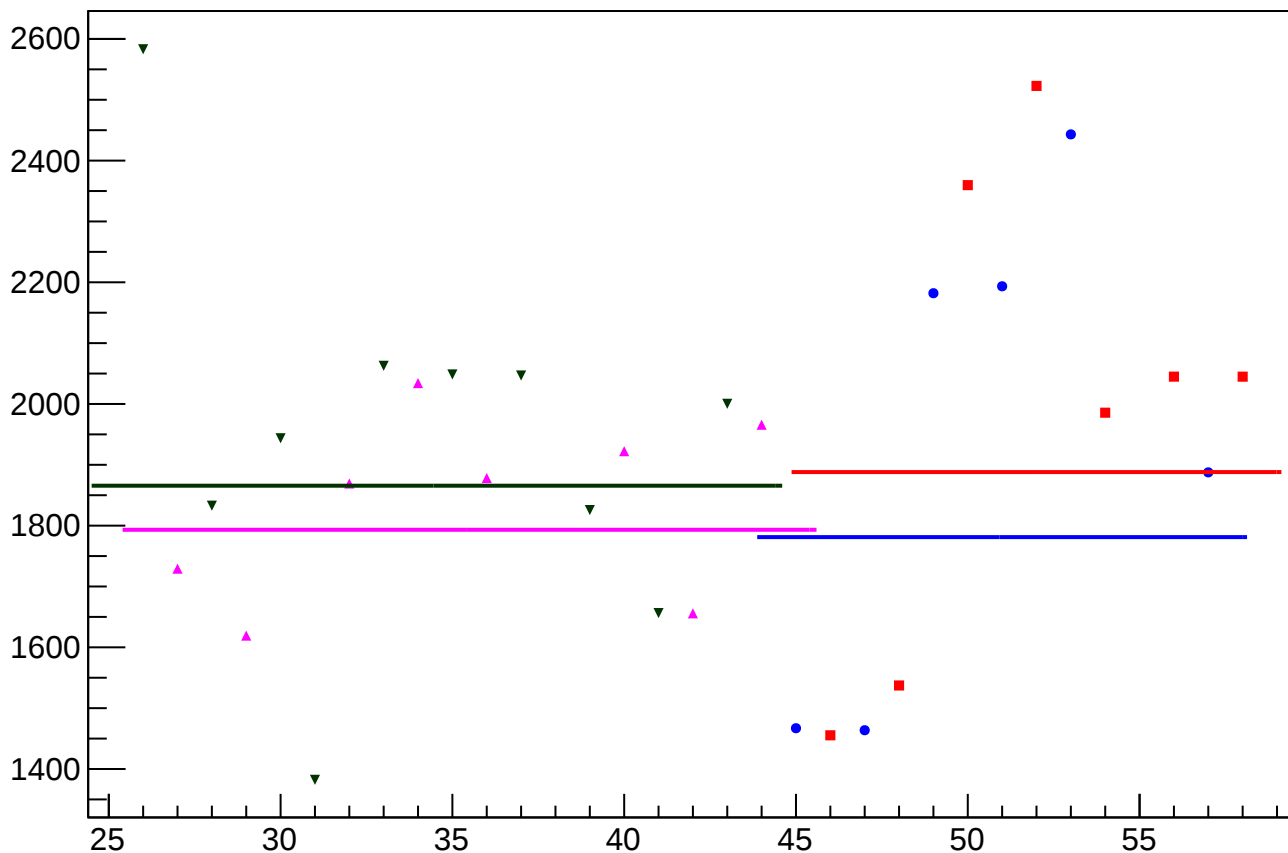
Right Out: -647.233 $\pm$ 1036.244 χ^2 /NDF: 9.1/6

Left In: 2038.696 $\pm$ 796.385 χ^2 /NDF: 6.8/7

787.519 $\pm$ 647.898 χ^2 /NDF: 10.9/15

1041.352 $\pm$ 631.448 χ^2 /NDF: 20.1/14

asym_atr1l2_avg_correction_rms vs slug



Right In: 1781.154+/-0.736 χ^2/NDF : 240068.1/5

Left Out: 1865.656+/-0.586 χ^2/NDF : 217022.9/9

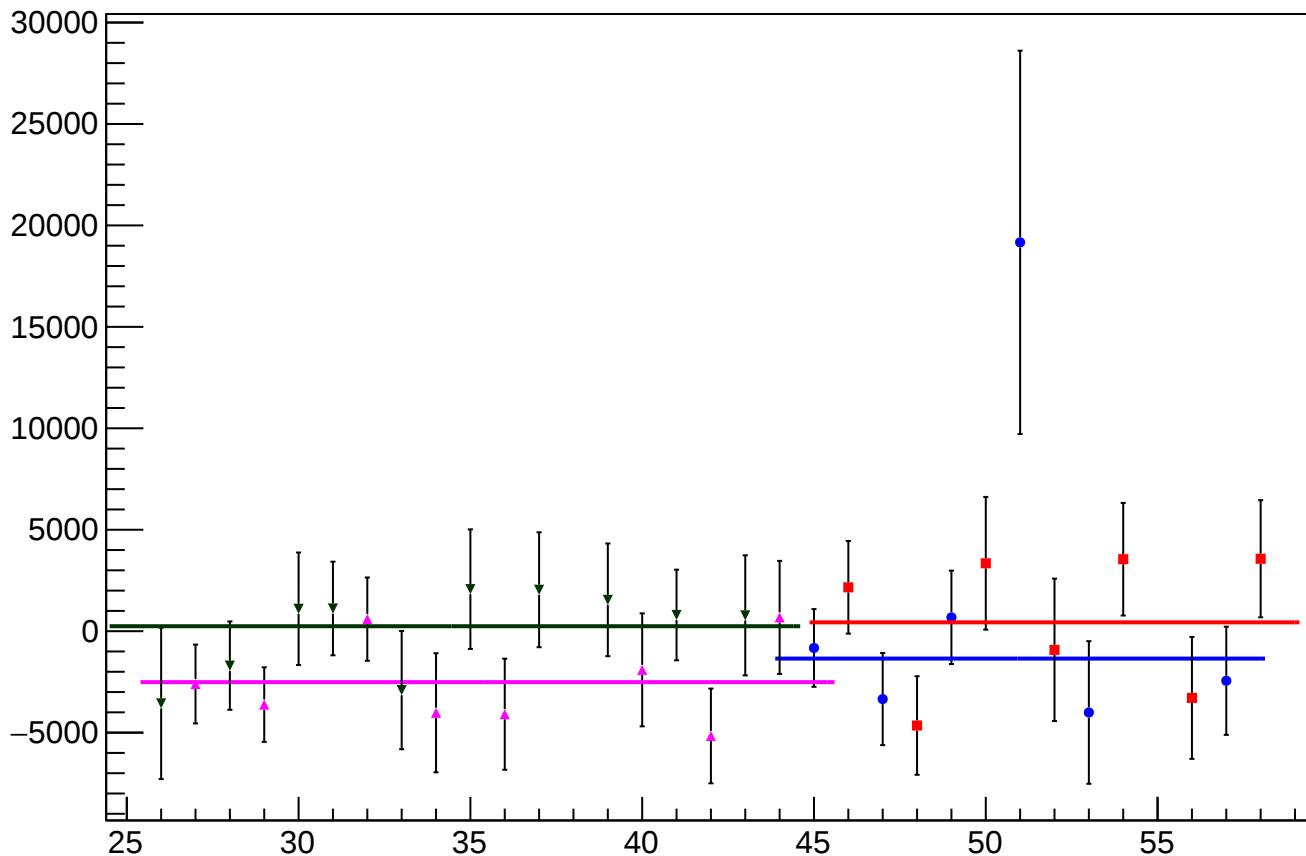
Right Out: 1888.070+/-0.733 χ^2/NDF : 242948.0/6

Left In: 1793.191+/-0.563 χ^2/NDF : 60429.1/7

1832.879+/-0.458 χ^2/NDF : 465168.7/15

1828.422+/-0.447 χ^2/NDF : 313917.9/14

asym_atr1l2_avg_mean vs slug



Right In: -1350.347+/-1061.243 χ^2/NDF : 7.1/5

Left Out: 244.304+/-844.452 χ^2/NDF : 4.3/9

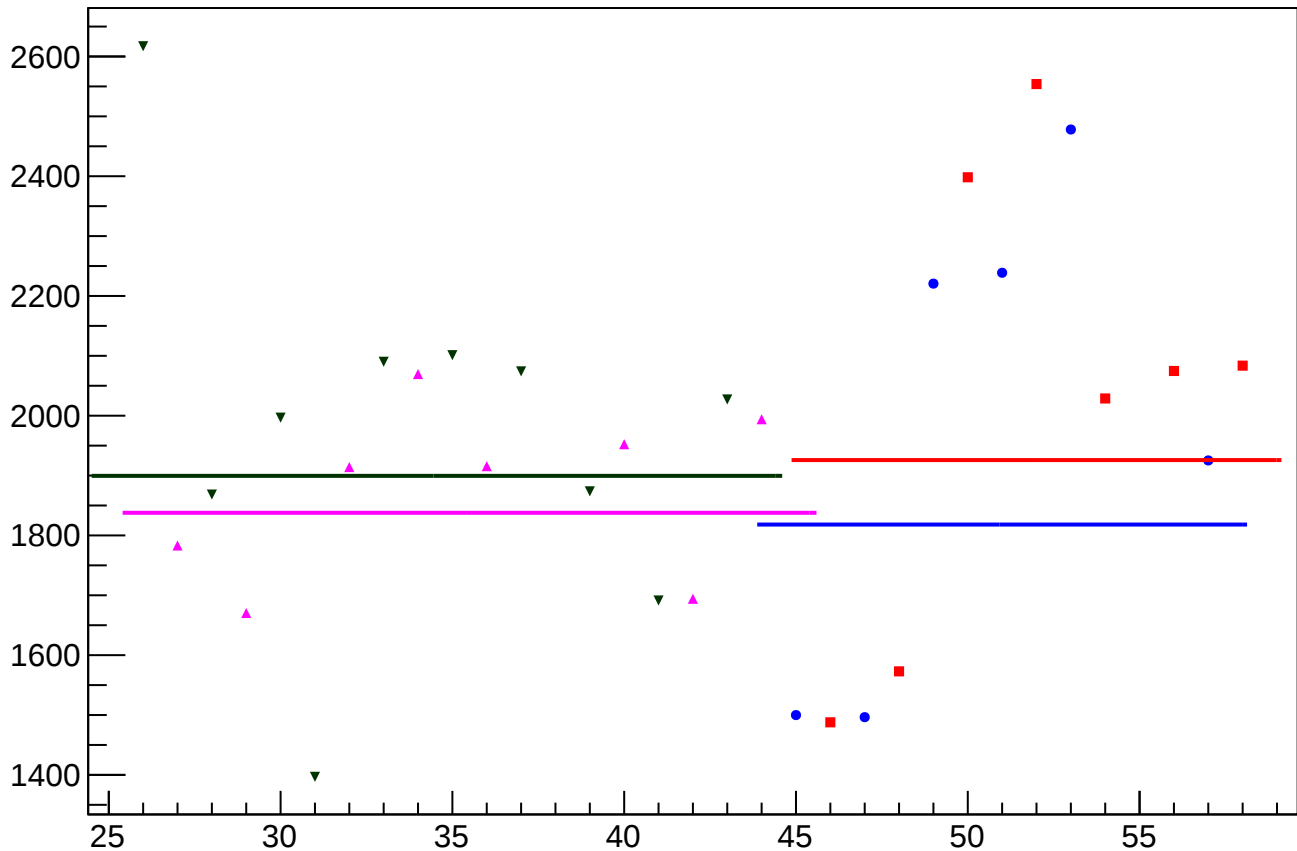
Right Out: 435.391+/-1056.077 χ^2/NDF : 9.9/6

Left In: -2510.541+/-819.482 χ^2/NDF : 5.9/7

-373.932+/-660.784 χ^2/NDF : 12.8/15

-1403.373+/-647.427 χ^2/NDF : 20.6/14

asym_atr1l2_avg_rms vs slug



Right In: 1818.160+/-0.750 χ^2/NDF : 234123.0/5

Left Out: 1899.518+/-0.597 χ^2/NDF :218448.4/9

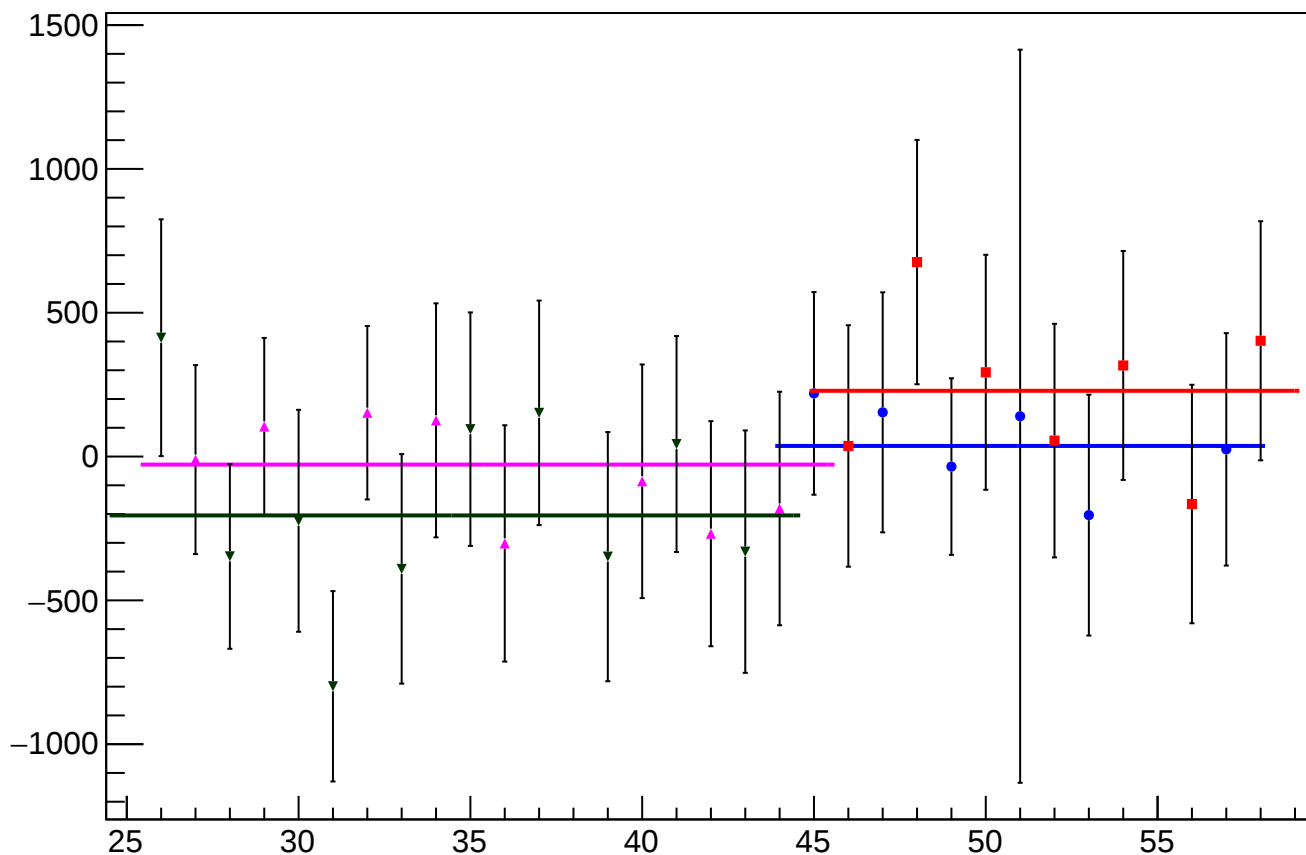
Right Out: 1925.851+/-0.747 χ^2/NDF : 235248.1/6

Left In: 1837.808+/-0.579 χ^2/NDF :52268.2/7

1867.976+/-0.467 χ^2/NDF : 459768.5/15

1870.897+/-0.458 χ^2/NDF : 296192.5/14

reg_asym_atr1l2_dd_mean vs slug



Right In: 36.884 ± 164.699 $\chi^2/\text{NDF}: 0.7/5$

Left Out: -204.705 ± 120.898 $\chi^2/\text{NDF}: 7.9/9$

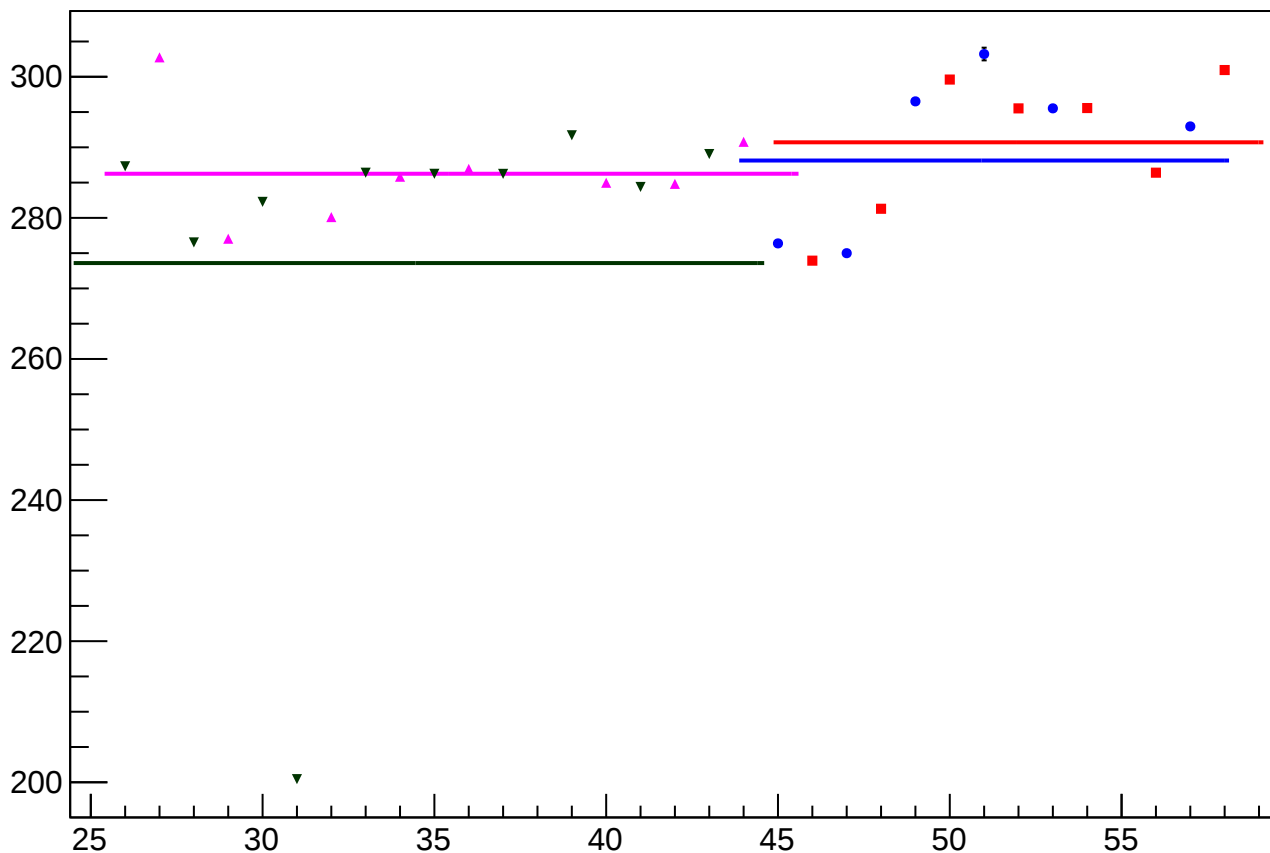
Right Out: 228.590 ± 155.798 $\chi^2/\text{NDF}: 2.7/6$

Left In: -27.916 ± 127.552 $\chi^2/\text{NDF}: 1.7/7$

-120.110 ± 97.459 $\chi^2/\text{NDF}: 10.0/15$

75.019 ± 98.695 $\chi^2/\text{NDF}: 5.9/14$

reg_asym_atr1l2_dd_rms vs slug



Right In: 288.130 ± 0.116 $\chi^2/\text{NDF}: 6889.8/5$

Left Out: 273.595 ± 0.085 $\chi^2/\text{NDF}: 115068.4/9$

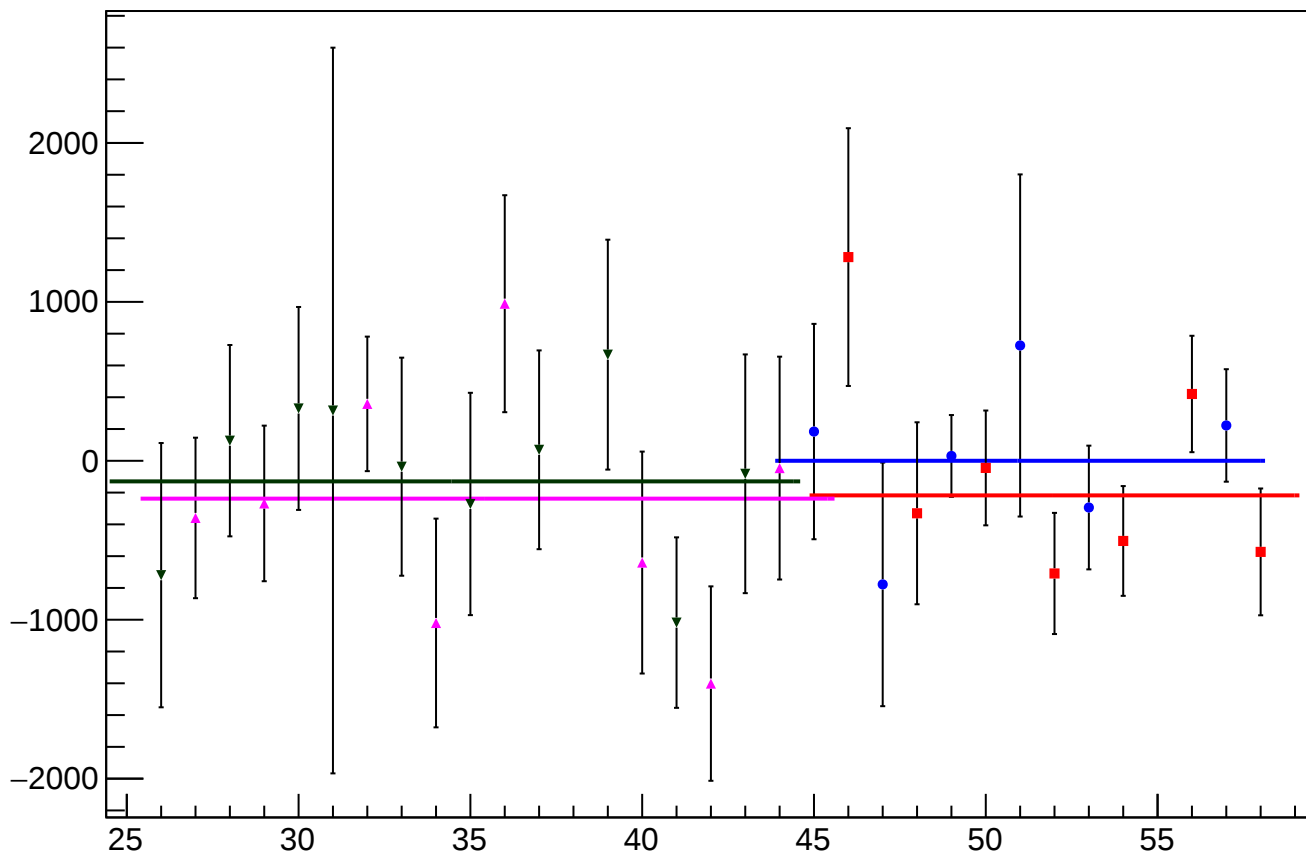
Right Out: 290.711 ± 0.110 $\chi^2/\text{NDF}: 7134.9/6$

Left In: 286.255 ± 0.090 $\chi^2/\text{NDF}: 7968.8/7$

278.685 ± 0.069 $\chi^2/\text{NDF}: 132080.2/15$

288.043 ± 0.070 $\chi^2/\text{NDF}: 16083.2/14$

asym_atr1l2_dd_correction_mean vs slug



Right In: 0.123 ± 170.415 χ^2/NDF : 2.5/5

Left Out: -129.532 ± 219.616 χ^2/NDF : 5.4/9

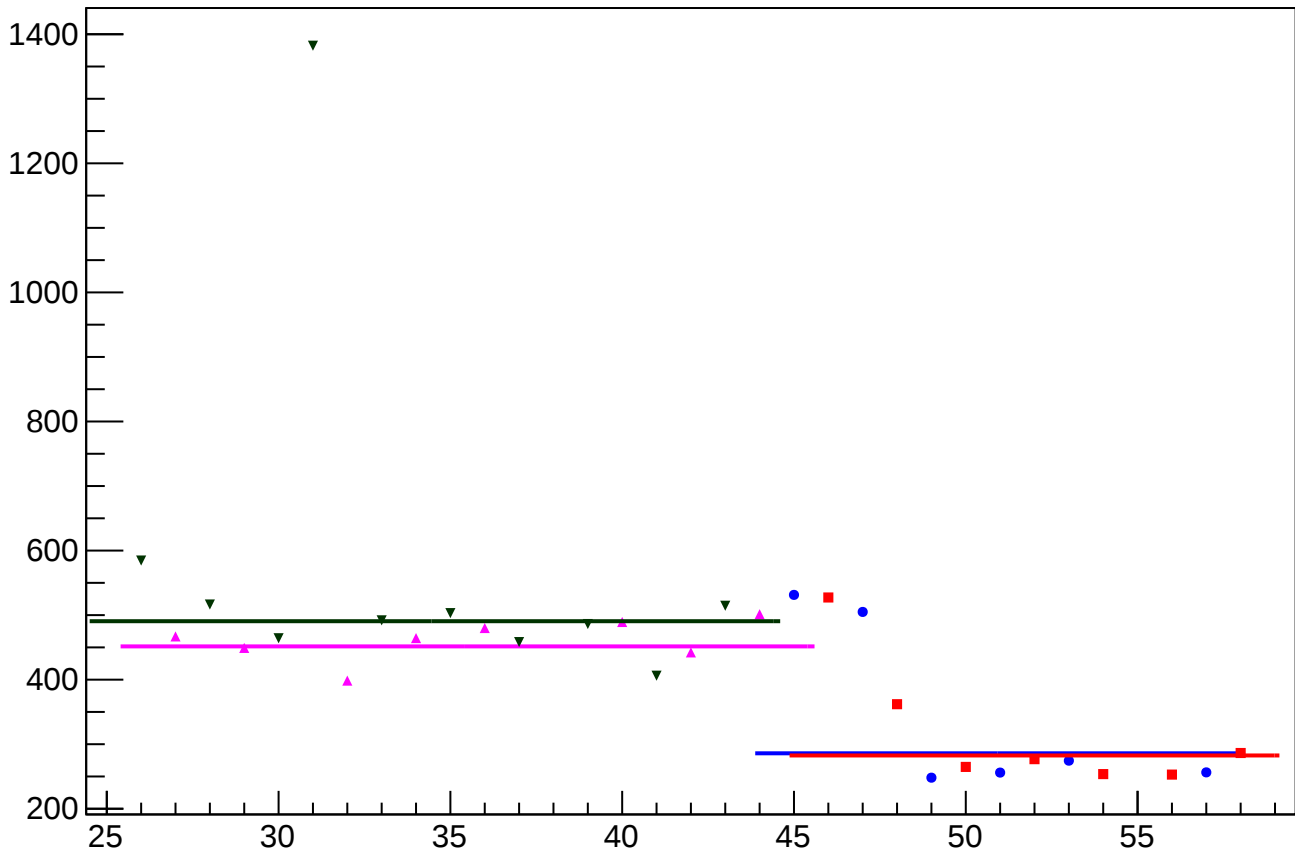
Right Out: -217.611 ± 155.724 χ^2/NDF : 9.9/6

Left In: -238.069 ± 200.408 χ^2/NDF : 10.7/7

-48.605 ± 134.636 χ^2/NDF : 8.1/15

-225.313 ± 122.966 χ^2/NDF : 20.6/14

asym_atr1l2_dd_correction_rms vs slug



Right In: 285.899+/-0.121 χ^2/NDF : 486075.2/5

Left Out: 490.574+/-0.155 χ^2/NDF : 395329.3/9

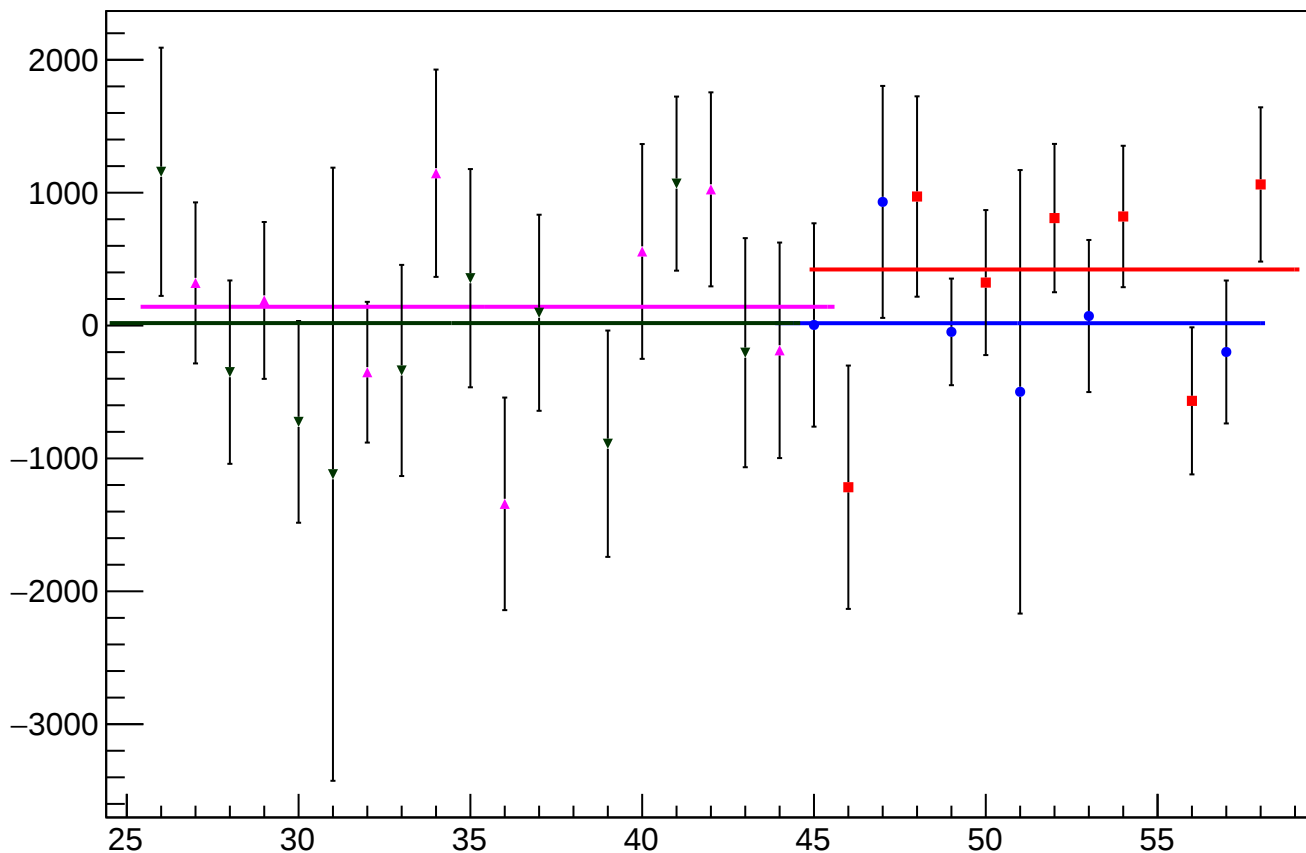
Right Out: 282.557+/-0.110 χ^2/NDF : 253192.8/6

Left In: 451.550+/-0.142 χ^2/NDF : 53983.7/7

362.822+/-0.095 χ^2/NDF : 1965660.0/15

346.179+/-0.087 χ^2/NDF : 1193897.7/14

asym_atr1l2_dd_mean vs slug



Right In: 17.757 $\pm$ 249.211 χ^2 /NDF: 1.4/5

Left Out: 18.643 $\pm$ 257.116 χ^2 /NDF: 7.1/9

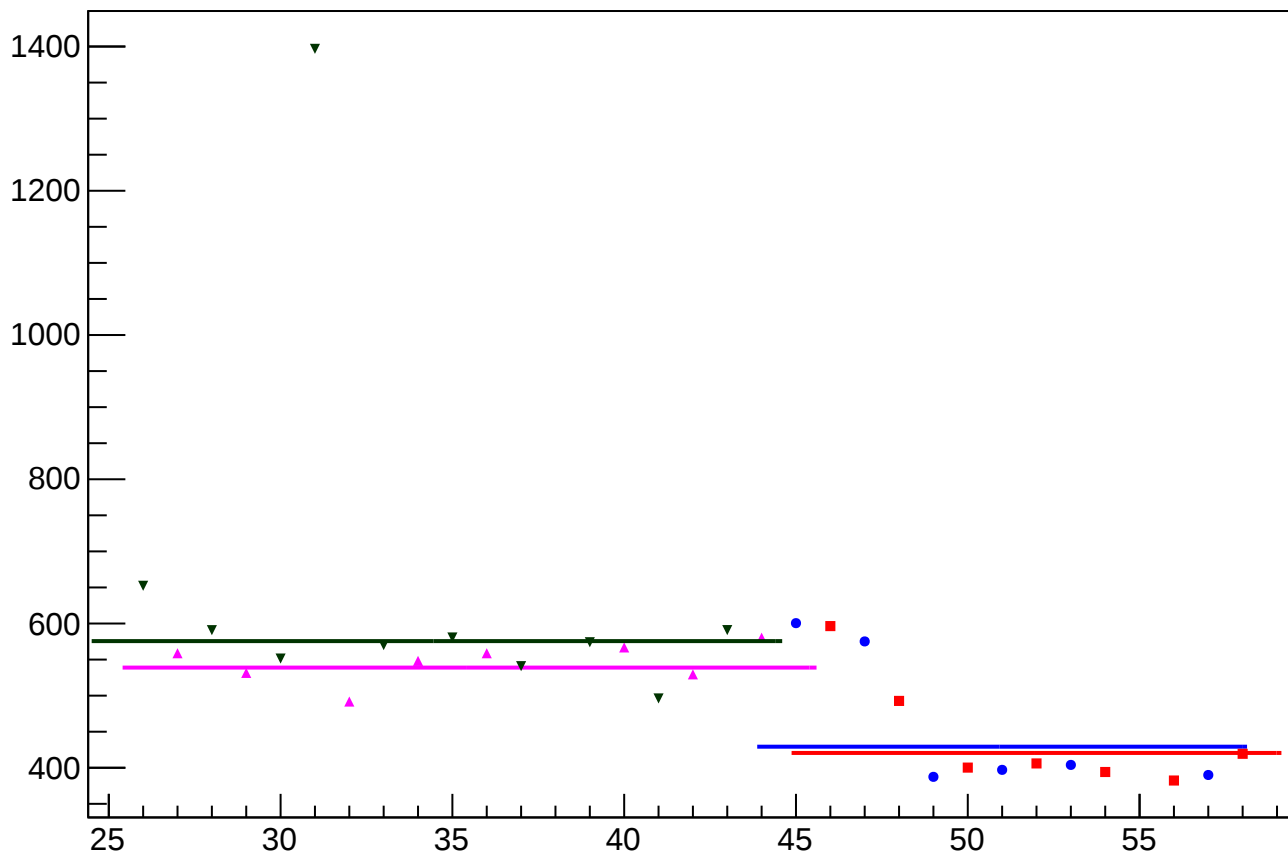
Right Out: 422.138 $\pm$ 227.729 χ^2 /NDF: 9.2/6

Left In: 141.414 $\pm$ 240.490 χ^2 /NDF: 8.0/7

18.186 $\pm$ 178.948 χ^2 /NDF: 8.5/15

289.422 $\pm$ 165.356 χ^2 /NDF: 17.9/14

asym_atr1l2_dd_rms vs slug



Right In: 429.226+/-0.176 χ^2/NDF : 193109.9/5

Left Out: 575.614+/-0.182 χ^2/NDF :304506.5/9

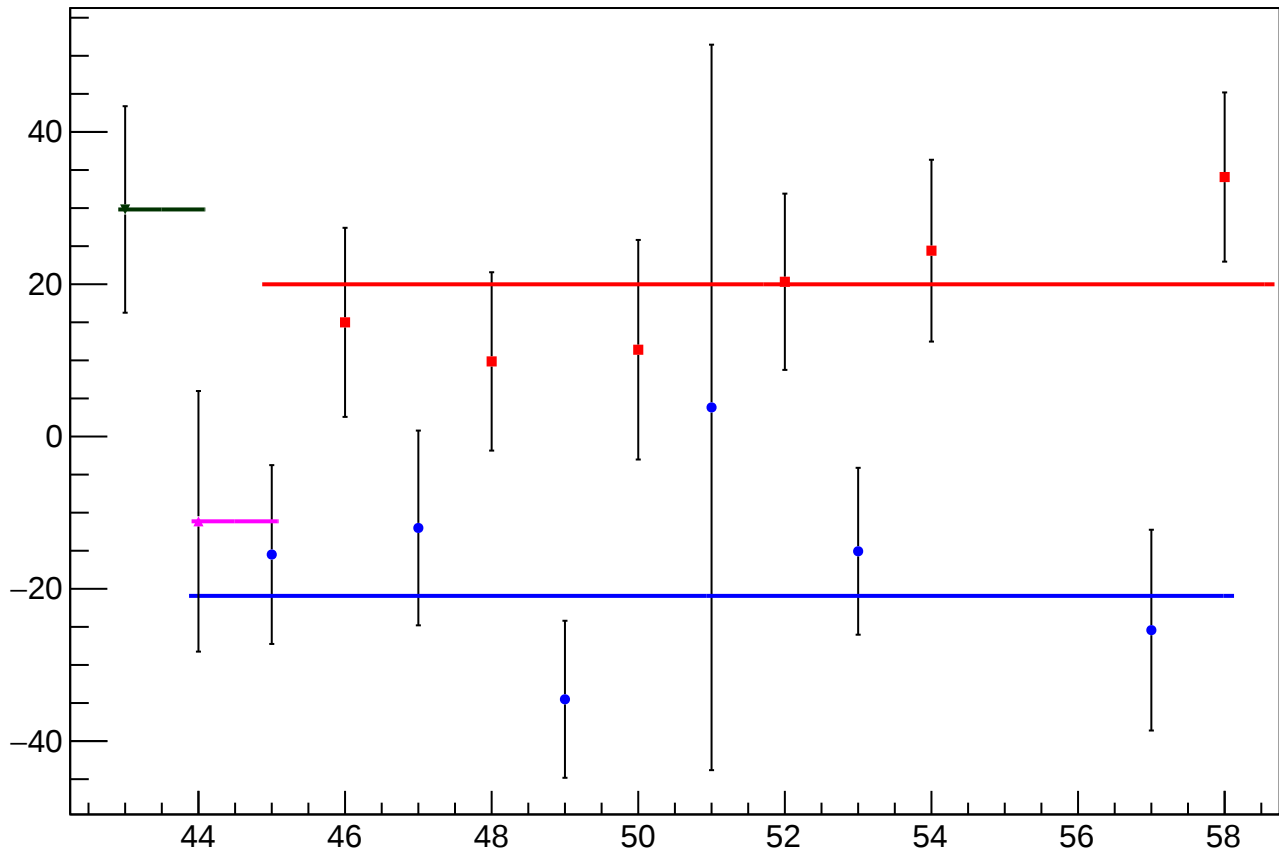
Right Out: 420.555+/-0.161 χ^2/NDF : 110693.3/6

Left In: 538.892+/-0.170 χ^2/NDF :27749.5/7

500.135+/-0.127 χ^2/NDF : 831889.1/15

476.501+/-0.117 χ^2/NDF : 393760.3/14

diff_bpm0l01X_mean vs slug



Right In: -20.928 ± 5.178 χ^2/NDF : 3.1/5

Left Out: 29.821 ± 13.561 χ^2/NDF : 0.0/0

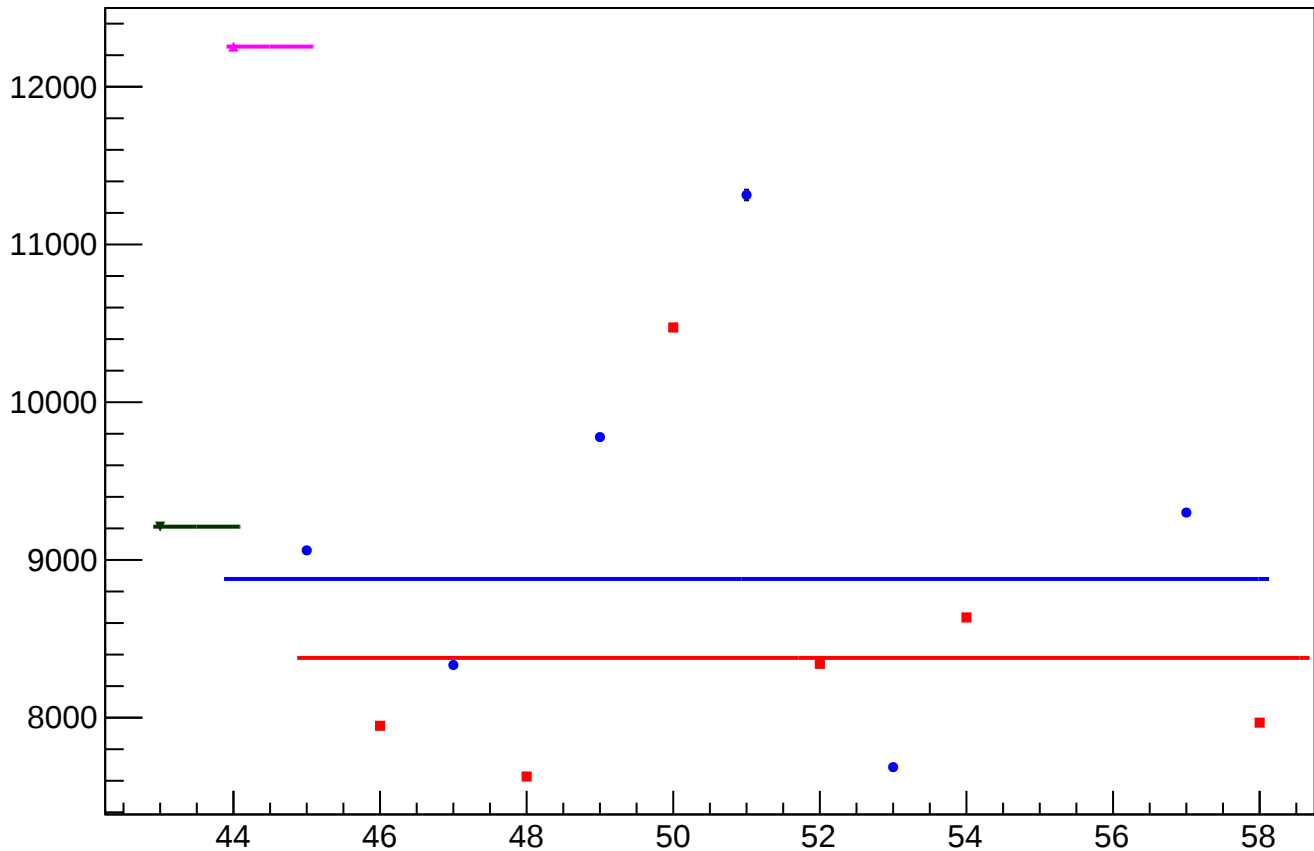
Right Out: 19.991 ± 4.929 χ^2/NDF : 3.0/5

Left In: -11.136 ± 17.113 χ^2/NDF : 0.0/0

-14.470 ± 4.838 χ^2/NDF : 15.3/6

17.607 ± 4.736 χ^2/NDF : 6.1/6

diff_bpm0l01X_rms vs slug



Right In: 8879.394+/-3.662 χ^2/NDF : 50299.6/5

Left Out: 9211.048+/-9.589 χ^2/NDF : 0.0/0

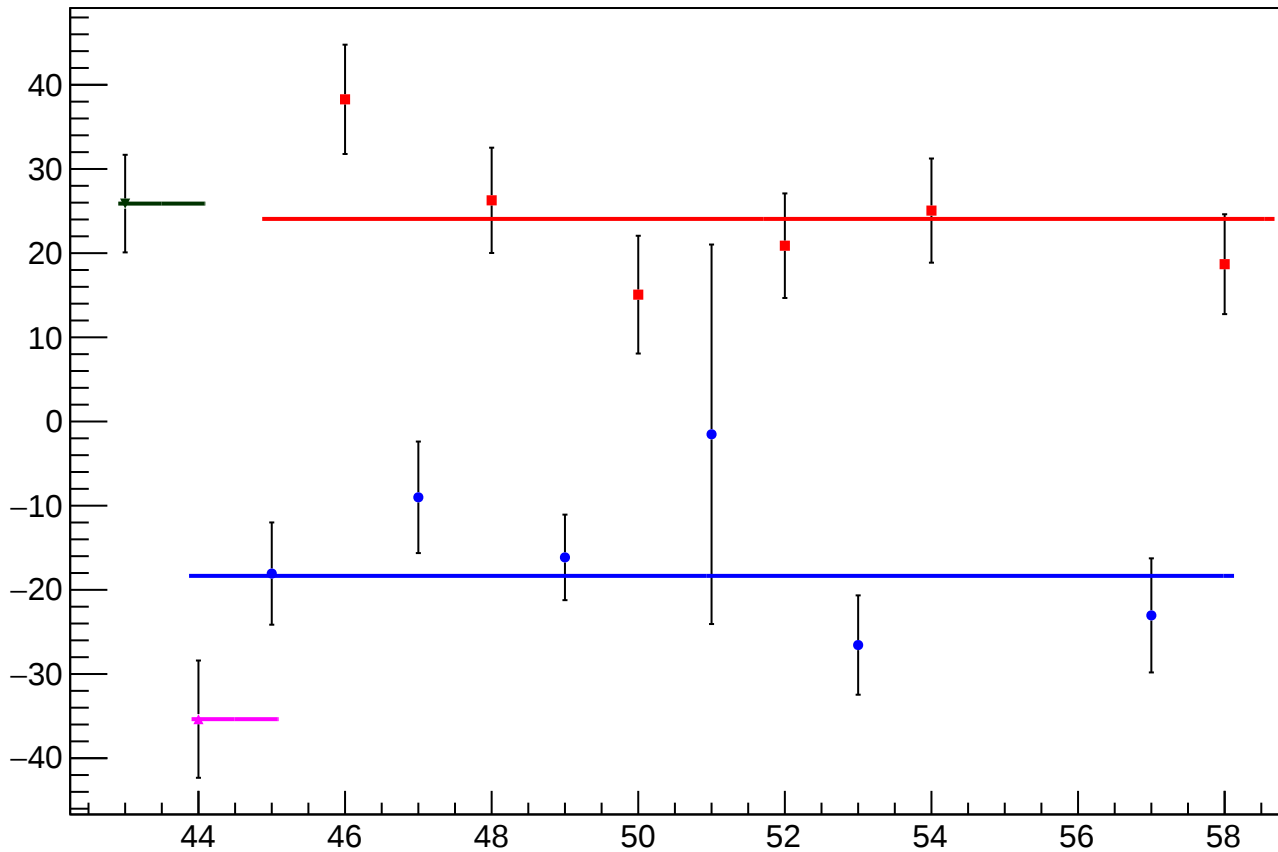
Right Out: 8379.013+/-3.485 χ^2/NDF : 56538.7/5

Left In: 12254.628+/-12.101 χ^2/NDF : 0.0/0

8921.599+/-3.421 χ^2/NDF : 51343.6/6

8675.856+/-3.349 χ^2/NDF : 151261.0/6

diff_bpm0l01Y_mean vs slug



Right In: -18.340 ± 2.662 χ^2/NDF : 5.1/5

Left Out: 25.888 ± 5.797 χ^2/NDF : 0.0/0

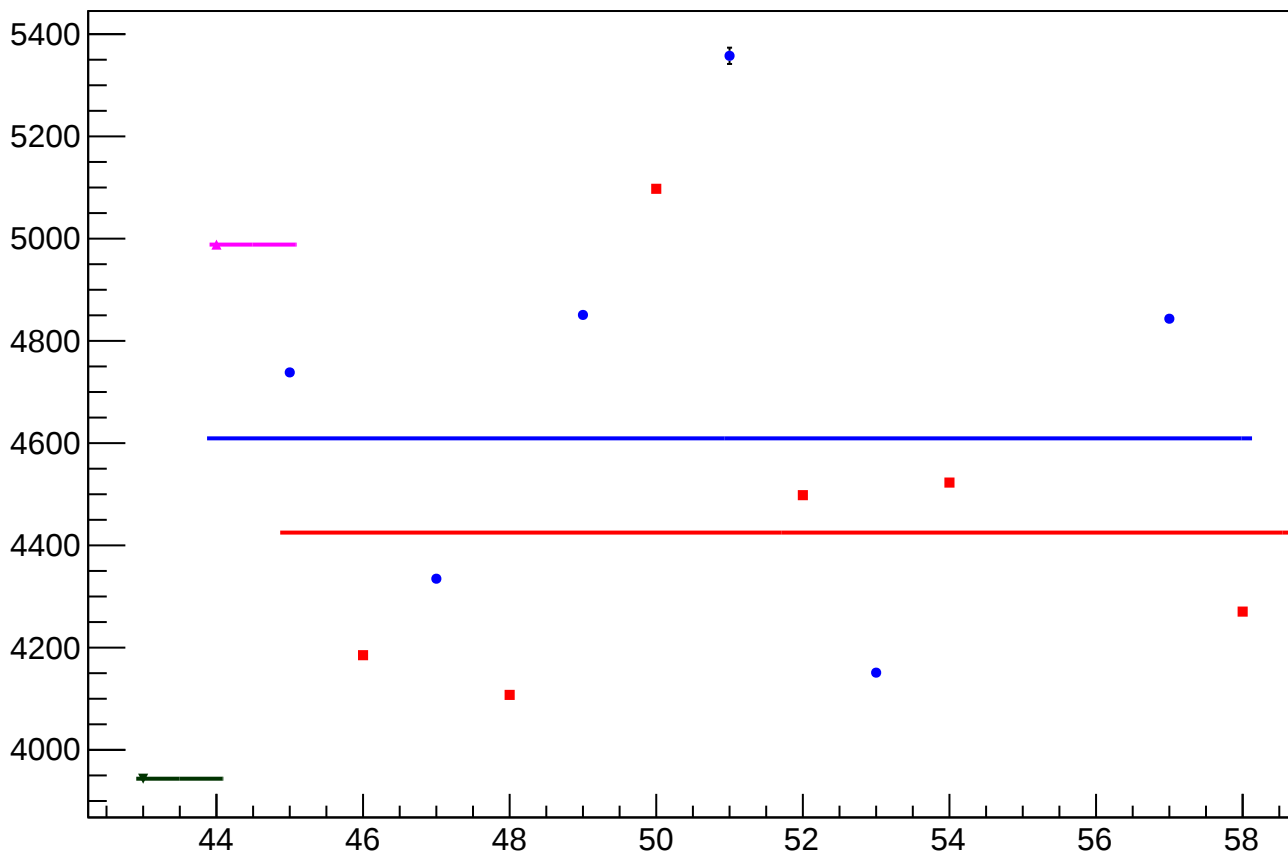
Right Out: 24.068 ± 2.581 χ^2/NDF : 7.7/5

Left In: -35.362 ± 6.967 χ^2/NDF : 0.0/0

-10.636 ± 2.419 χ^2/NDF : 53.2/6

16.897 ± 2.420 χ^2/NDF : 71.7/6

diff_bpm0l01Y_rms vs slug



Right In: 4609.354+/-1.883 χ^2/NDF : 25502.8/5

Left Out: 3943.608+/-4.099 χ^2/NDF : 0.0/0

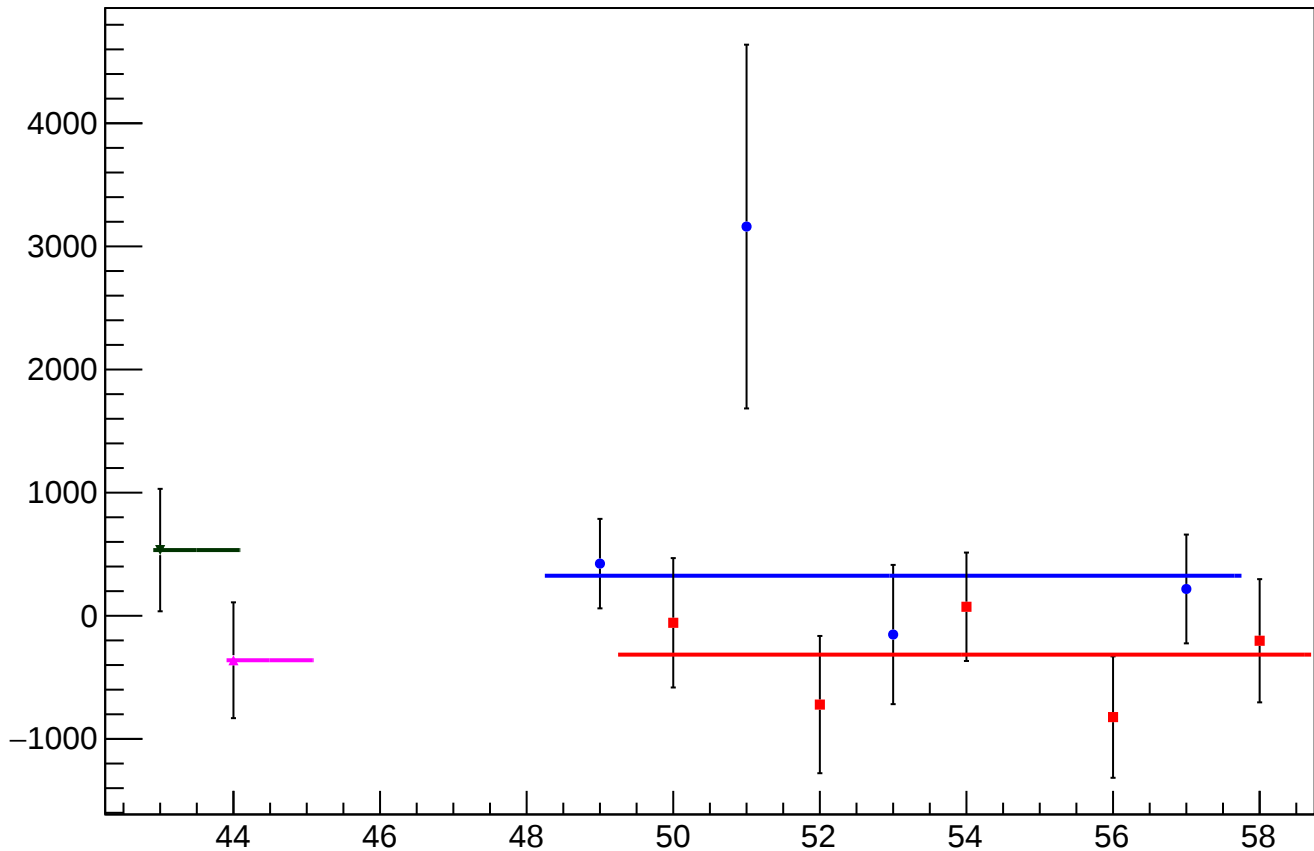
Right Out: 4425.026+/-1.825 χ^2/NDF : 28494.9/5

Left In: 4988.357+/-4.926 χ^2/NDF : 0.0/0

4493.392+/-1.711 χ^2/NDF : 47285.7/6

4493.000+/-1.711 χ^2/NDF : 39994.2/6

asym_ds_agg_av_mean vs slug



Right In: 325.304+/-247.818 χ^2/NDF : 4.5/3

Left Out: 533.704+/-497.188 χ^2/NDF : 0.0/0

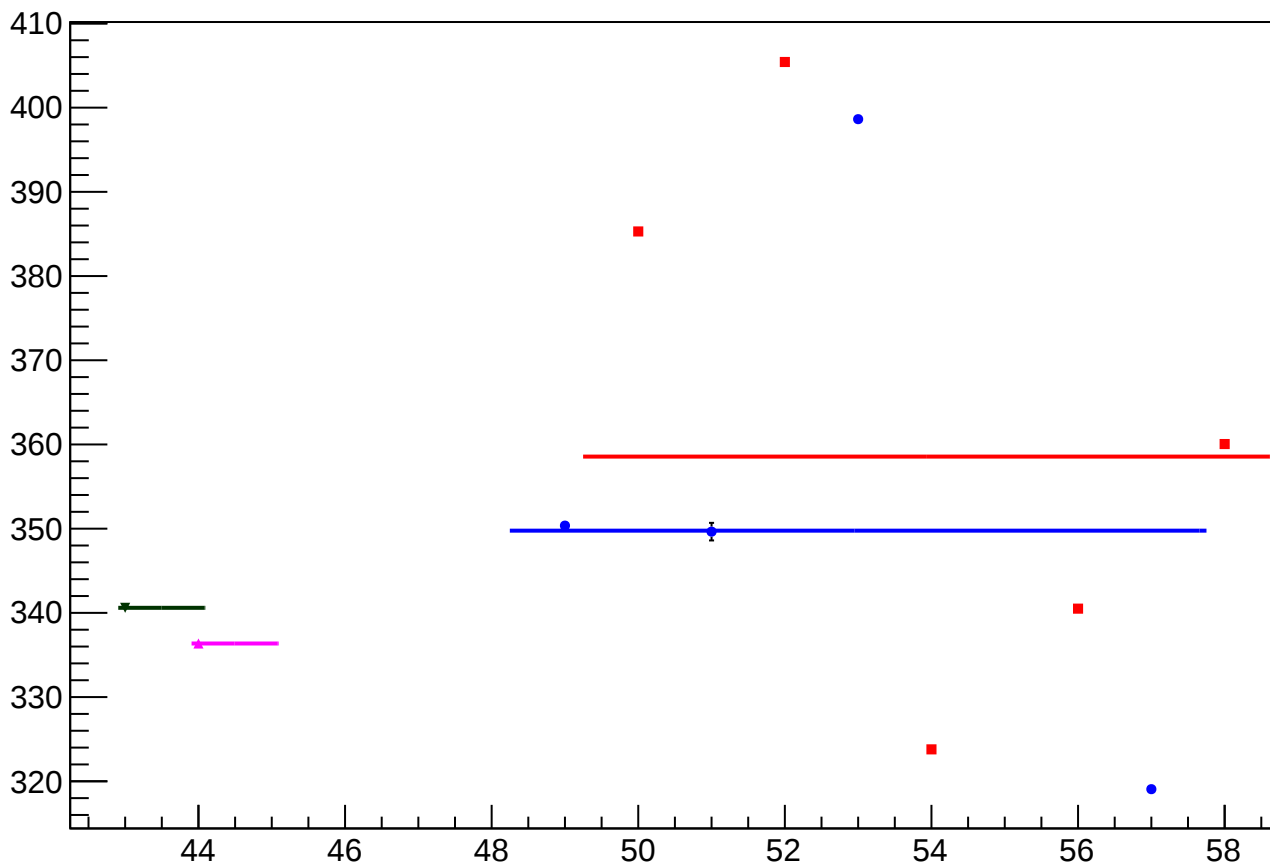
Right Out: -315.489+/-223.000 χ^2/NDF : 2.7/4

Left In: -361.123+/-470.256 χ^2/NDF : 0.0/0

366.776+/-221.794 χ^2/NDF : 4.7/4

-323.867+/-201.493 χ^2/NDF : 2.7/5

asym_ds_agg_av_rms vs slug



Right In: 349.763+/-0.175 χ^2/NDF : 24602.8/3

Left Out: 340.600+/-0.352 χ^2/NDF : 0.0/0

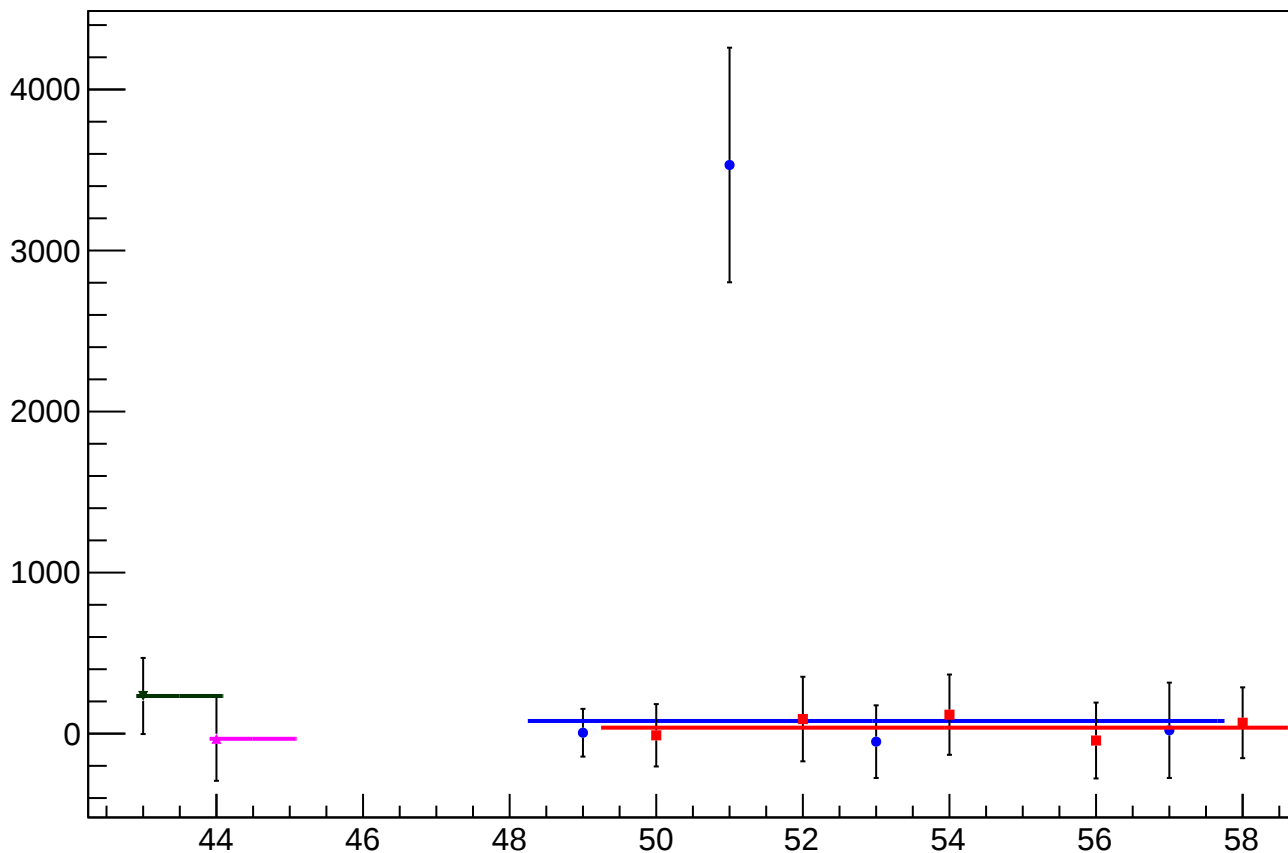
Right Out: 358.560+/-0.158 χ^2/NDF : 34493.6/4

Left In: 336.363+/-0.333 χ^2/NDF : 0.0/0

347.940+/-0.157 χ^2/NDF : 25146.9/4

354.484+/-0.142 χ^2/NDF : 38131.5/5

asym_bcm_dg_ds_bcm_an_us_agg_avg_mean vs slug



Right In: 78.600+/-112.899 χ^2/NDF : 23.1/3

Left Out: 233.776+/-236.364 χ^2/NDF : 0.0/0

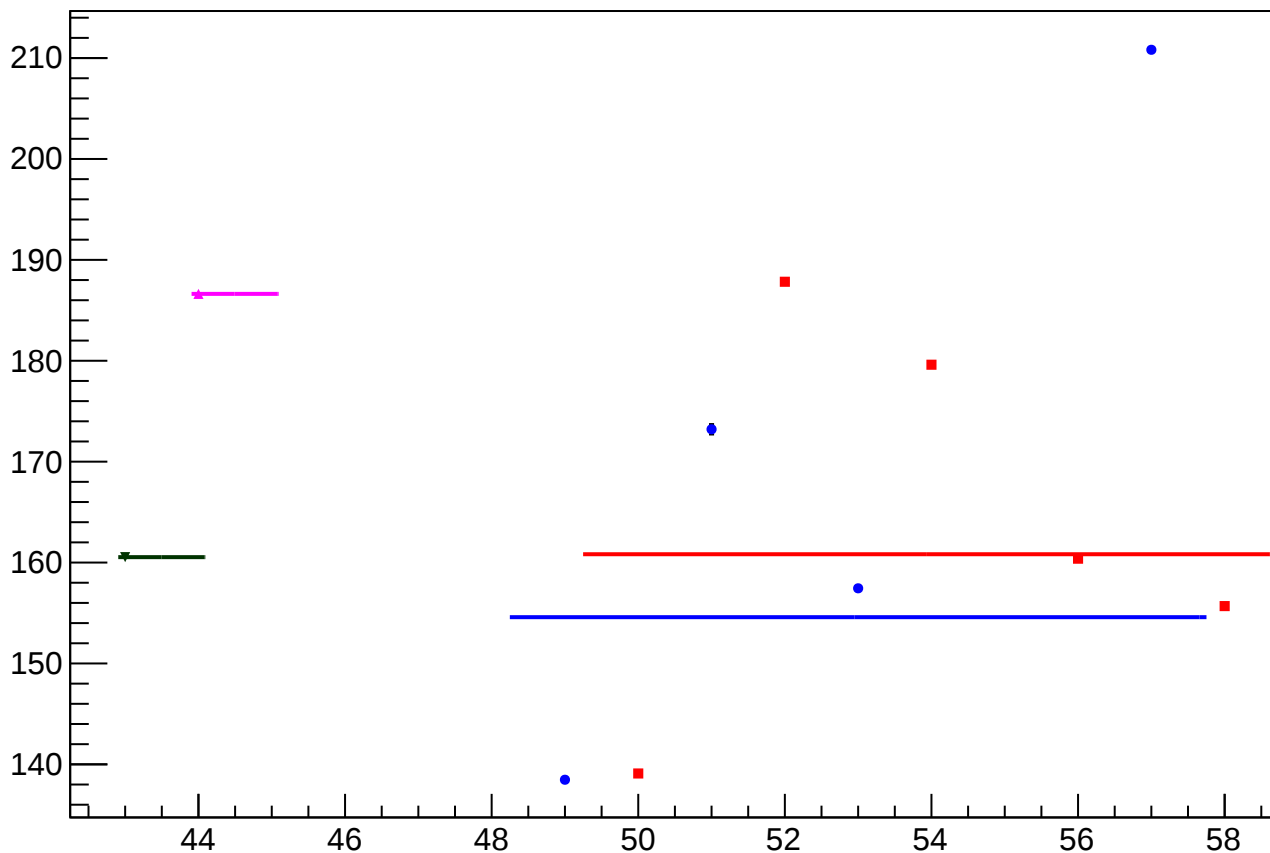
Right Out: 37.113+/-102.068 χ^2/NDF : 0.3/4

Left In: -32.051+/-260.803 χ^2/NDF : 0.0/0

107.427+/-101.874 χ^2/NDF : 23.4/4

27.926+/-95.048 χ^2/NDF : 0.4/5

asym_bcm_dg_ds_bcm_an_us_agg_avg_rms vs slug



Right In: 154.587 ± 0.080 χ^2/NDF : 97438.4/3

Left Out: 160.536 ± 0.167 χ^2/NDF : 0.0/0

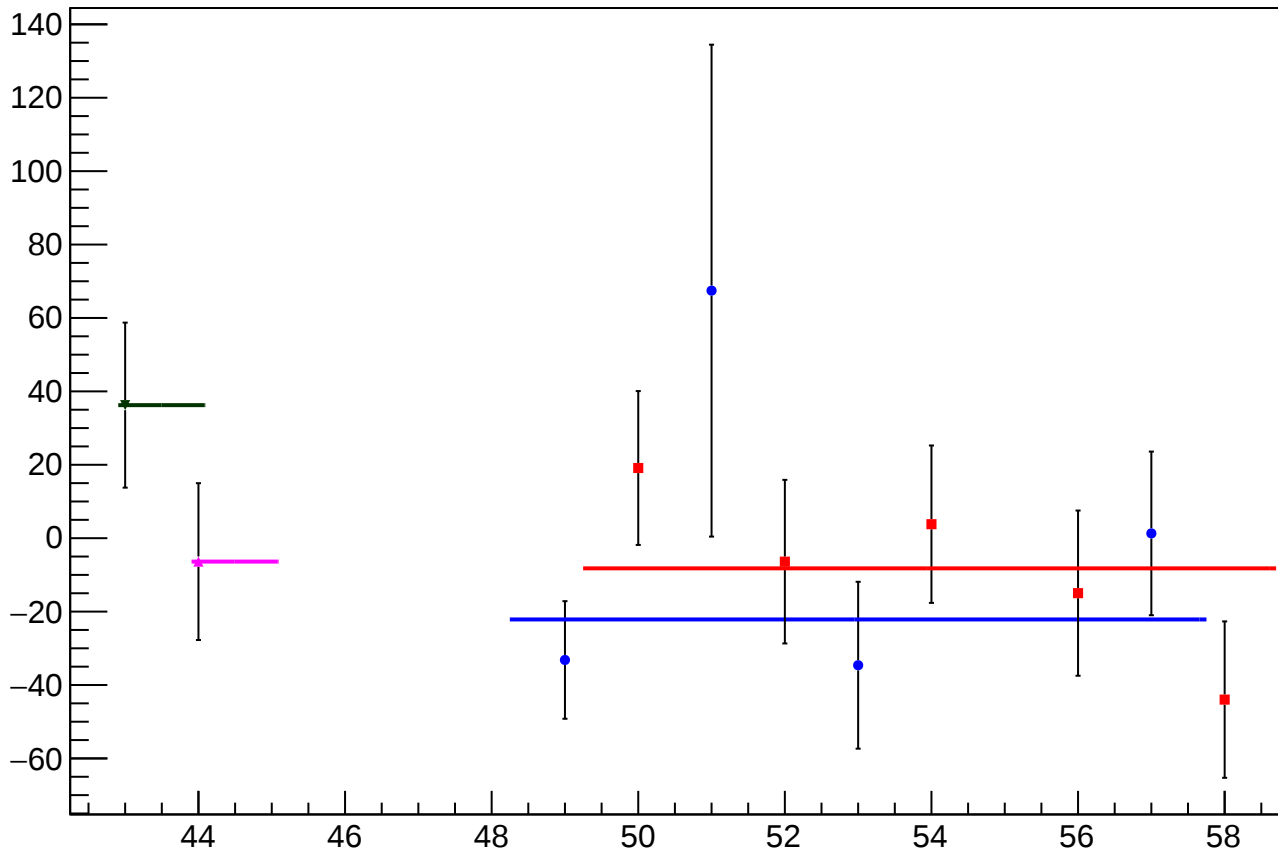
Right Out: 160.825 ± 0.072 χ^2/NDF : 58807.1/4

Left In: 186.629 ± 0.184 χ^2/NDF : 0.0/0

155.692 ± 0.072 χ^2/NDF : 98470.1/4

164.253 ± 0.067 χ^2/NDF : 75784.8/5

asym_bcm_dg_ds_bcm_an_us_agg_dd_mean vs slug



Right In: -22.141 $\pm$ 11.134 χ^2/NDF : 3.7/3

Left Out: 36.249 $\pm$ 22.481 χ^2/NDF : 0.0/0

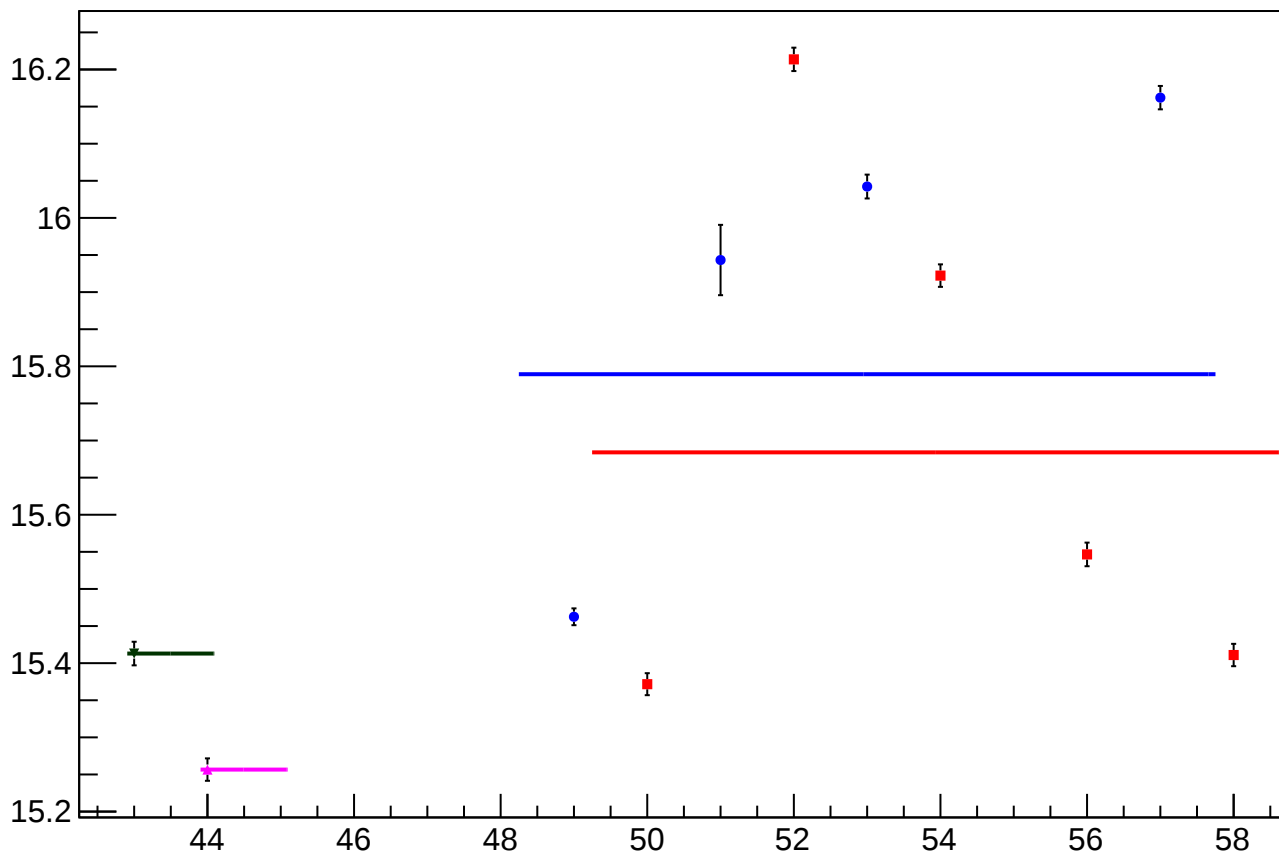
Right Out: -8.220 $\pm$ 9.694 χ^2/NDF : 4.9/4

Left In: -6.377 $\pm$ 21.365 χ^2/NDF : 0.0/0

-10.640 $\pm$ 9.977 χ^2/NDF : 9.1/4

-7.905 $\pm$ 8.828 χ^2/NDF : 4.9/5

asym_bcm_dg_ds_bcm_an_us_agg_dd_rms vs slug



Right In: 15.789 $\pm$ 0.008 χ^2/NDF : 1649.8/3

Left Out: 15.413 $\pm$ 0.016 χ^2/NDF : 0.0/0

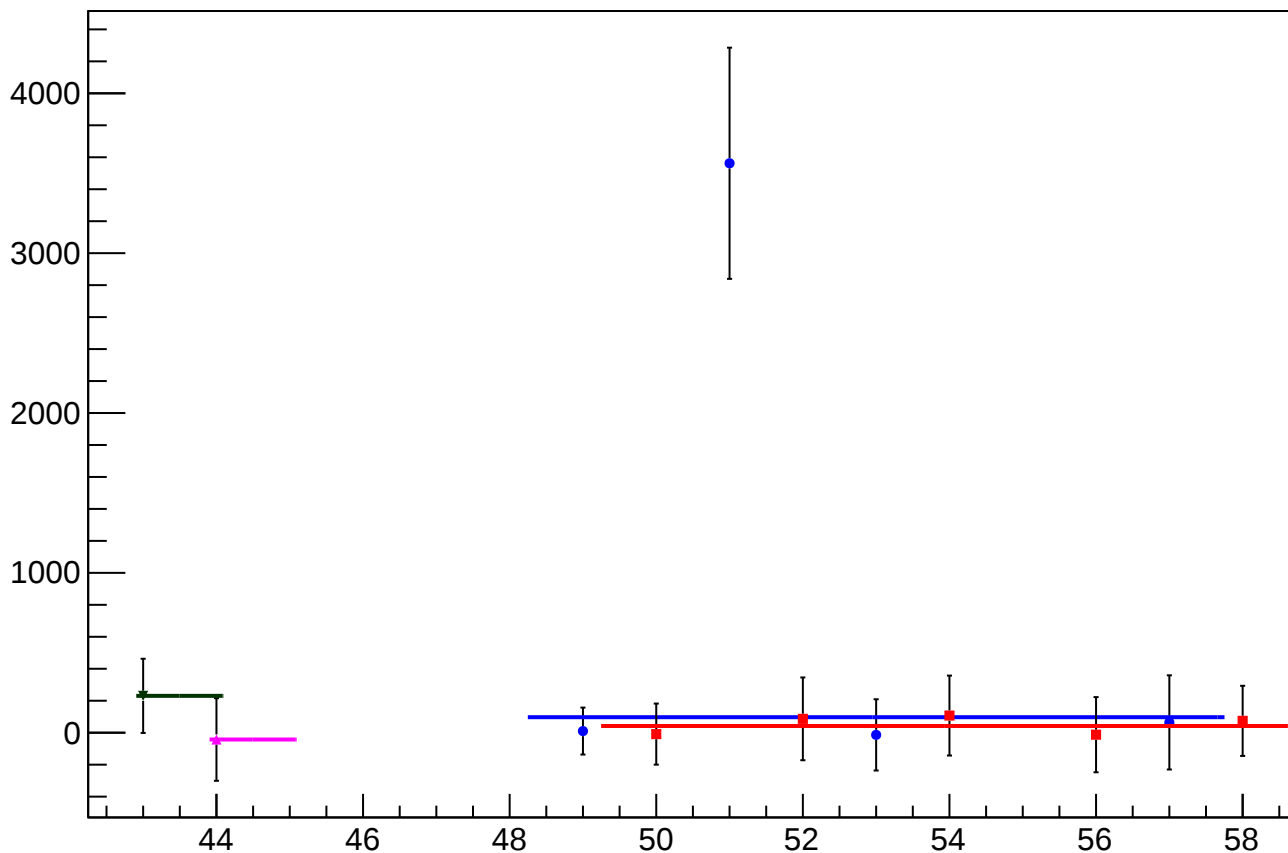
Right Out: 15.684 $\pm$ 0.007 χ^2/NDF : 2223.7/4

Left In: 15.257 $\pm$ 0.015 χ^2/NDF : 0.0/0

15.715 $\pm$ 0.007 χ^2/NDF : 2100.1/4

15.611 $\pm$ 0.006 χ^2/NDF : 2887.7/5

asym_bcm_cav4cQ_bcm_an_us_agg_avg_mean vs slug



Right In: 96.956+/-111.846 χ^2/NDF : 23.6/3

Left Out: 230.569+/-232.106 χ^2/NDF : 0.0/0

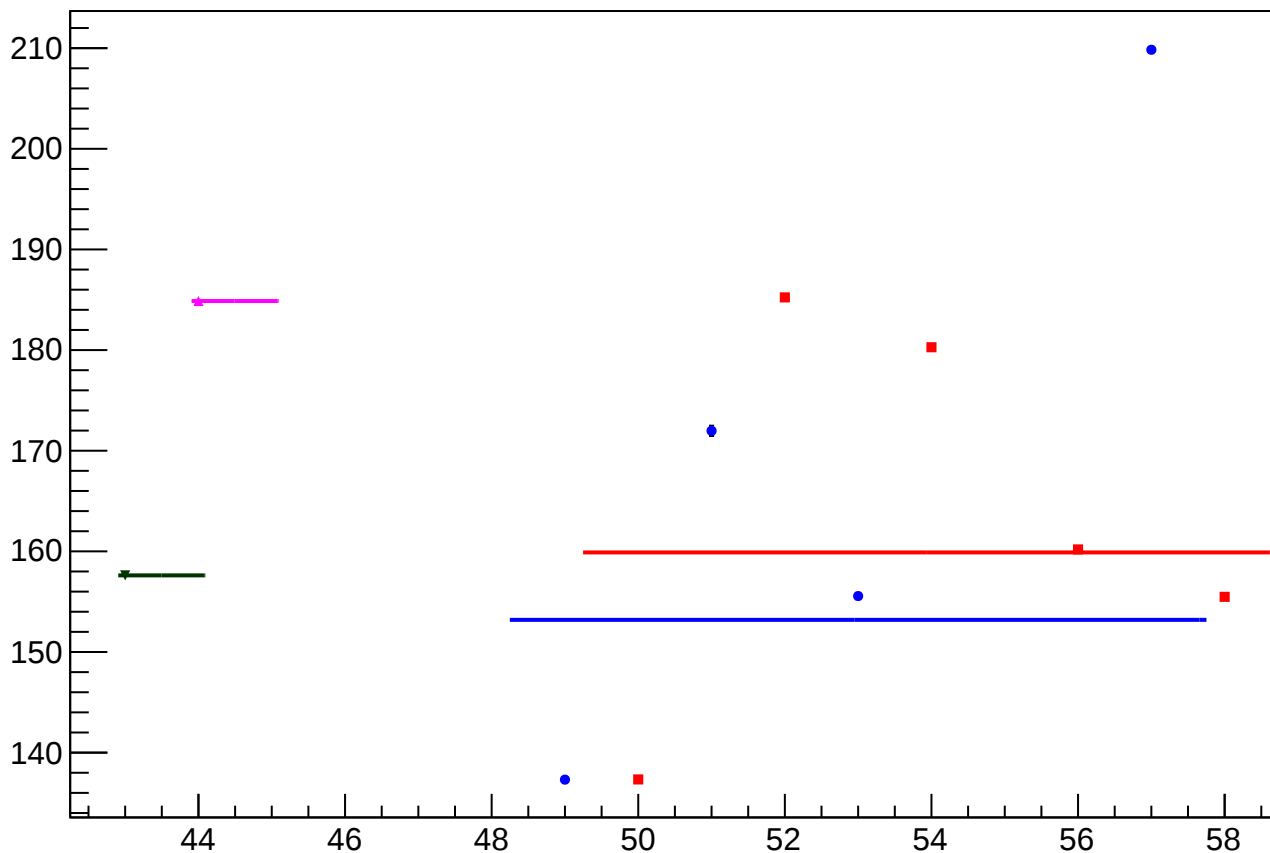
Right Out: 41.982+/-101.444 χ^2/NDF : 0.2/4

Left In: -42.573+/-258.353 χ^2/NDF : 0.0/0

122.134+/-100.758 χ^2/NDF : 23.8/4

30.687+/-94.425 χ^2/NDF : 0.3/5

asym_bcm_cav4cQ_bcm_an_us_agg_avg_rms vs slug



Right In: 153.195+/-0.079 χ^2/NDF : 98910.3/3

Left Out: 157.613+/-0.164 χ^2/NDF : 0.0/0

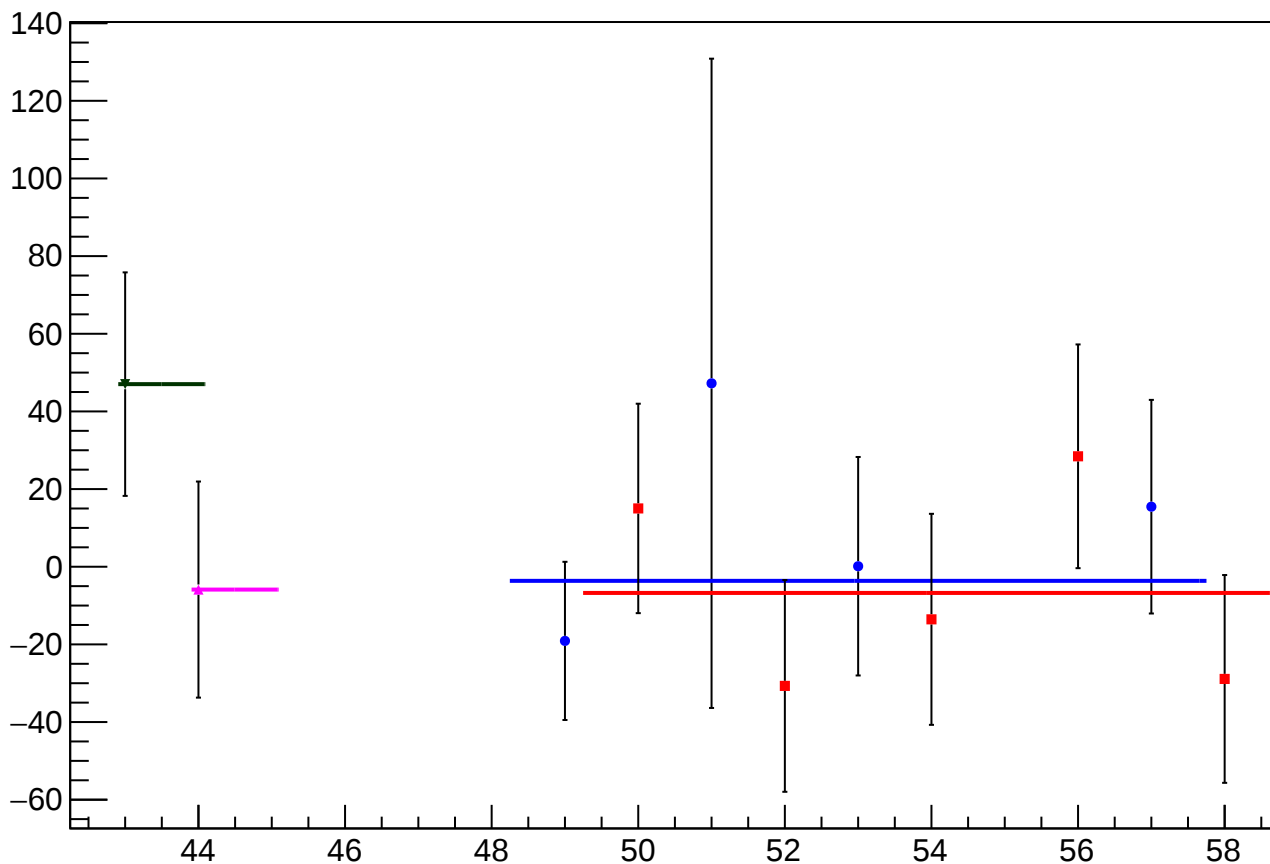
Right Out: 159.894+/-0.072 χ^2/NDF : 61148.7/4

Left In: 184.874+/-0.183 χ^2/NDF : 0.0/0

154.027+/-0.071 χ^2/NDF : 99498.5/4

163.231+/-0.067 χ^2/NDF : 77349.1/5

asym_bcm_cav4cQ_bcm_an_us_agg_dd_mean vs slug



Right In: -3.635+/-13.951 χ^2/NDF : 1.4/3

Left Out: 47.028+/-28.784 χ^2/NDF : 0.0/0

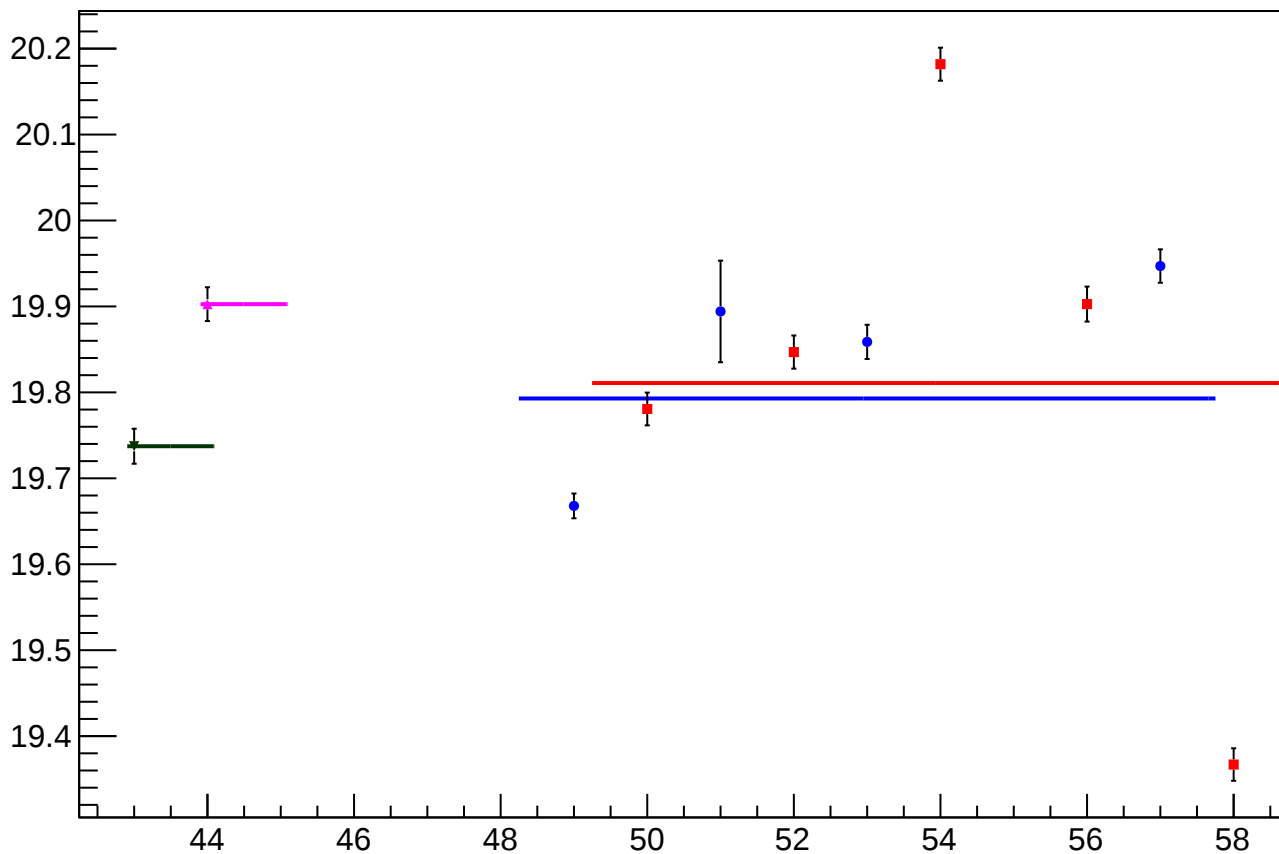
Right Out: -6.749+/-12.241 χ^2/NDF : 3.7/4

Left In: -5.884+/-27.829 χ^2/NDF : 0.0/0

6.003+/-12.554 χ^2/NDF : 4.0/4

-6.609+/-11.205 χ^2/NDF : 3.7/5

asym_bcm_cav4cQ_bcm_an_us_agg_dd_rms vs slug



Right In: 19.793+/-0.010 χ^2/NDF : 152.0/3

Left Out: 19.737+/-0.020 χ^2/NDF : 0.0/0

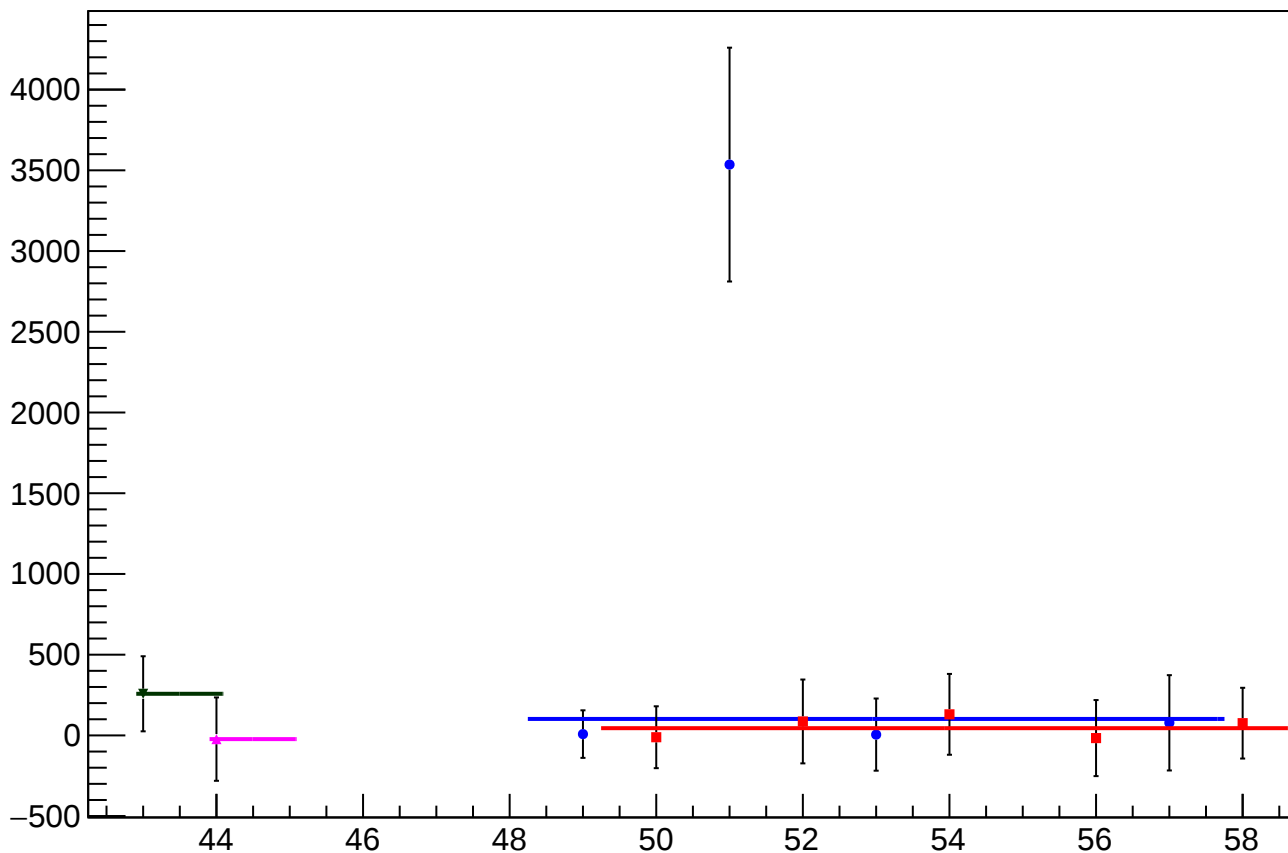
Right Out: 19.811+/-0.009 χ^2/NDF : 949.5/4

Left In: 19.903+/-0.020 χ^2/NDF : 0.0/0

19.782+/-0.009 χ^2/NDF : 158.0/4

19.826+/-0.008 χ^2/NDF : 967.7/5

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_mean vs slug



Right In: 102.040 $\pm$ 112.145 χ^2 /NDF: 23.1/3

Left Out: 257.793 $\pm$ 232.498 χ^2 /NDF: 0.0/0

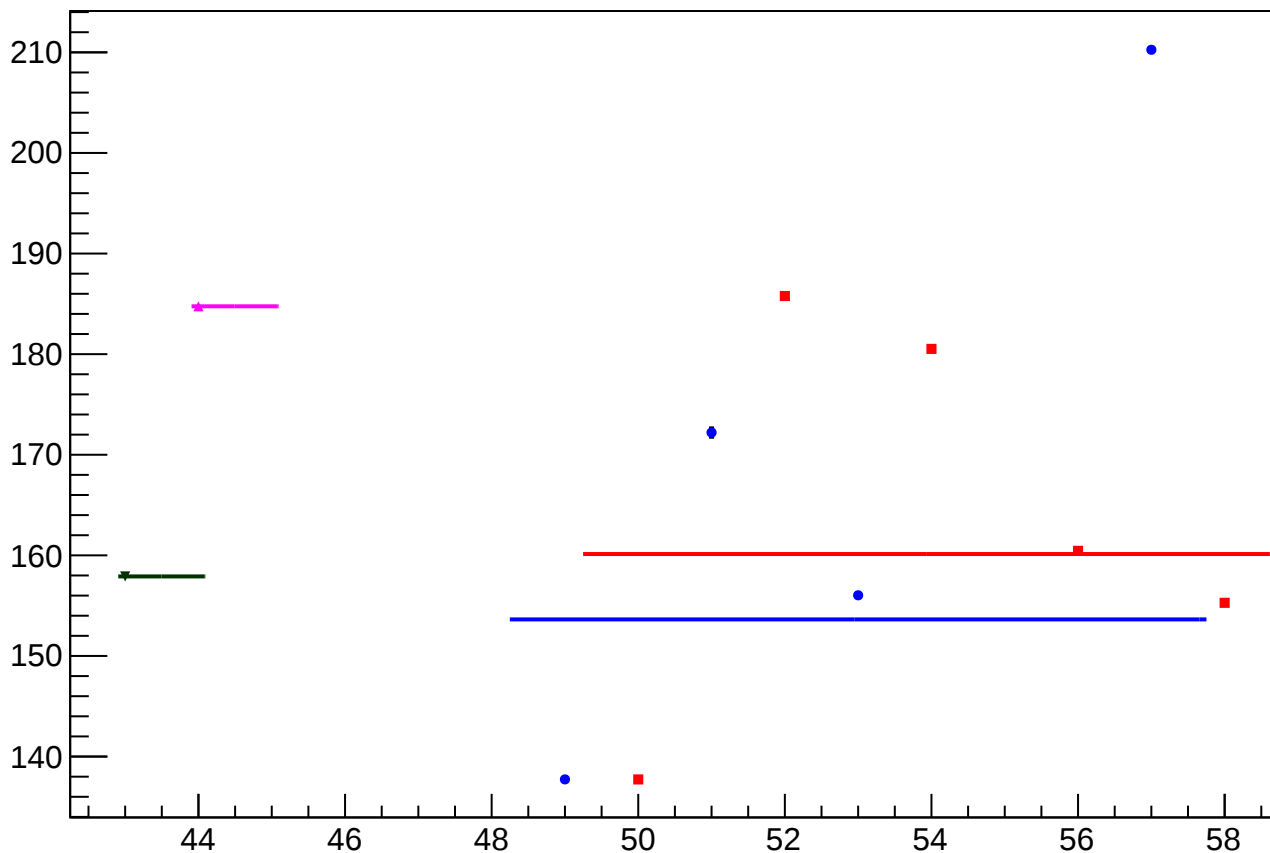
Right Out: 44.786 $\pm$ 101.598 χ^2 /NDF: 0.3/4

Left In: -22.928 $\pm$ 258.180 χ^2 /NDF: 0.0/0

131.438 $\pm$ 101.009 χ^2 /NDF: 23.4/4

35.707 $\pm$ 94.541 χ^2 /NDF: 0.4/5

asym_bcm_cav4cQ_bcm_an_ds_agg_avg_rms vs slug



Right In: 153.633+/-0.079 χ^2/NDF : 98469.9/3

Left Out: 157.905+/-0.164 χ^2/NDF : 0.0/0

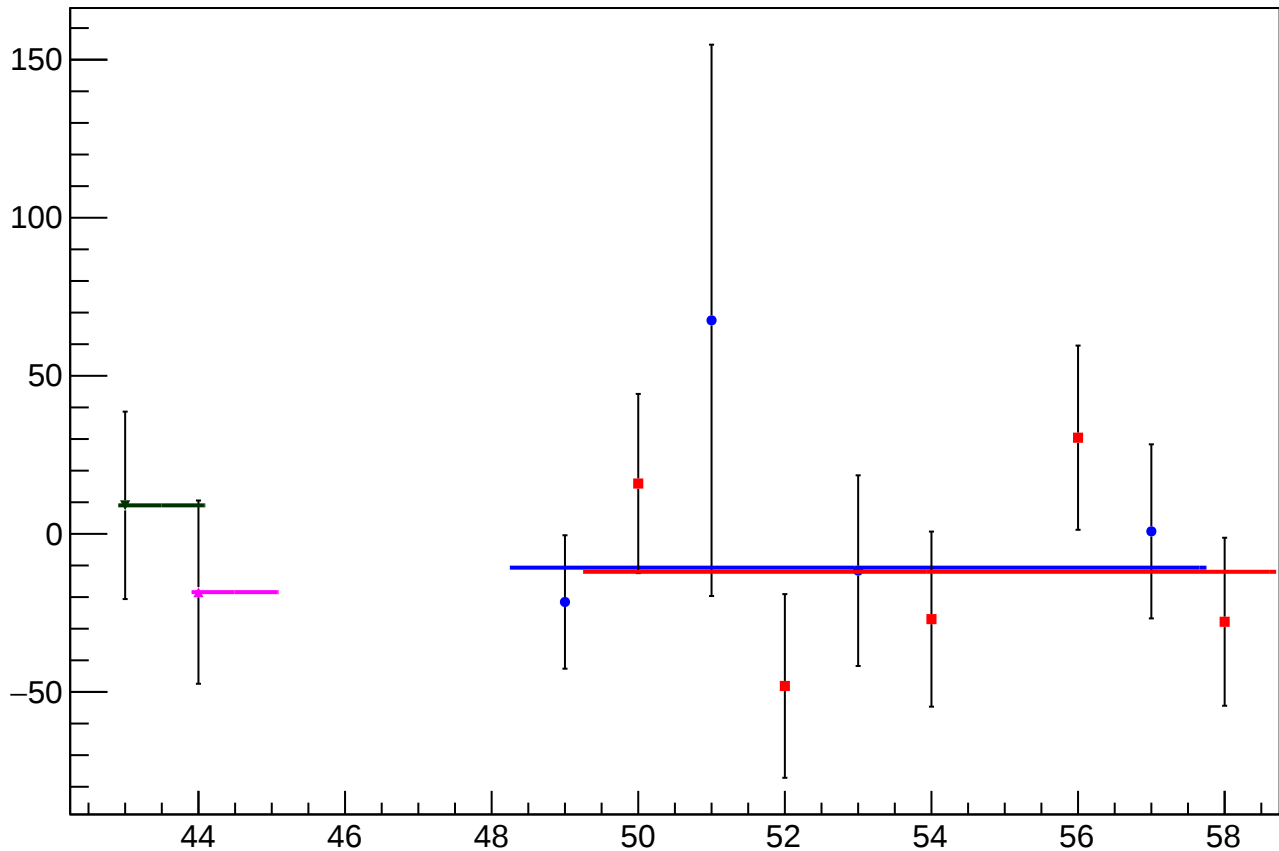
Right Out: 160.132+/-0.072 χ^2/NDF : 61111.2/4

Left In: 184.755+/-0.183 χ^2/NDF : 0.0/0

154.439+/-0.071 χ^2/NDF : 99017.8/4

163.434+/-0.067 χ^2/NDF : 76863.1/5

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_mean vs slug



Right In: -10.685 $\pm$ 14.442 χ^2 /NDF: 1.2/3

Left Out: 9.023 $\pm$ 29.646 χ^2 /NDF:0.0/0

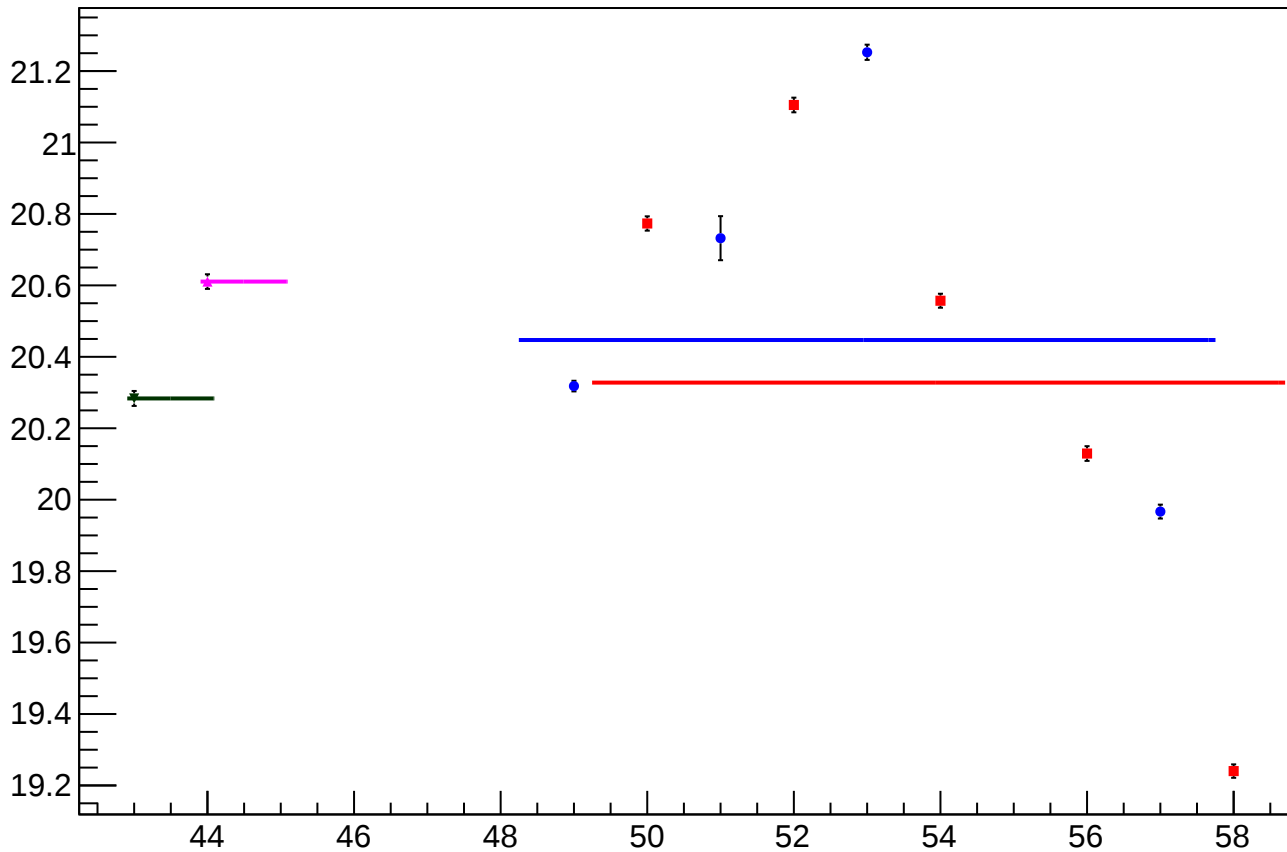
Right Out: -11.994 $\pm$ 12.572 χ^2 /NDF: 5.3/4

Left In: -18.430 $\pm$ 28.983 χ^2 /NDF:0.0/0

-6.905 $\pm$ 12.983 χ^2 /NDF: 1.6/4

-13.013 $\pm$ 11.533 χ^2 /NDF: 5.3/5

asym_bcm_cav4cQ_bcm_an_ds_agg_dd_rms vs slug



Right In: 20.447 $\pm$ 0.010 χ^2 /NDF: 2131.5/3

Left Out: 20.283 $\pm$ 0.021 χ^2 /NDF: 0.0/0

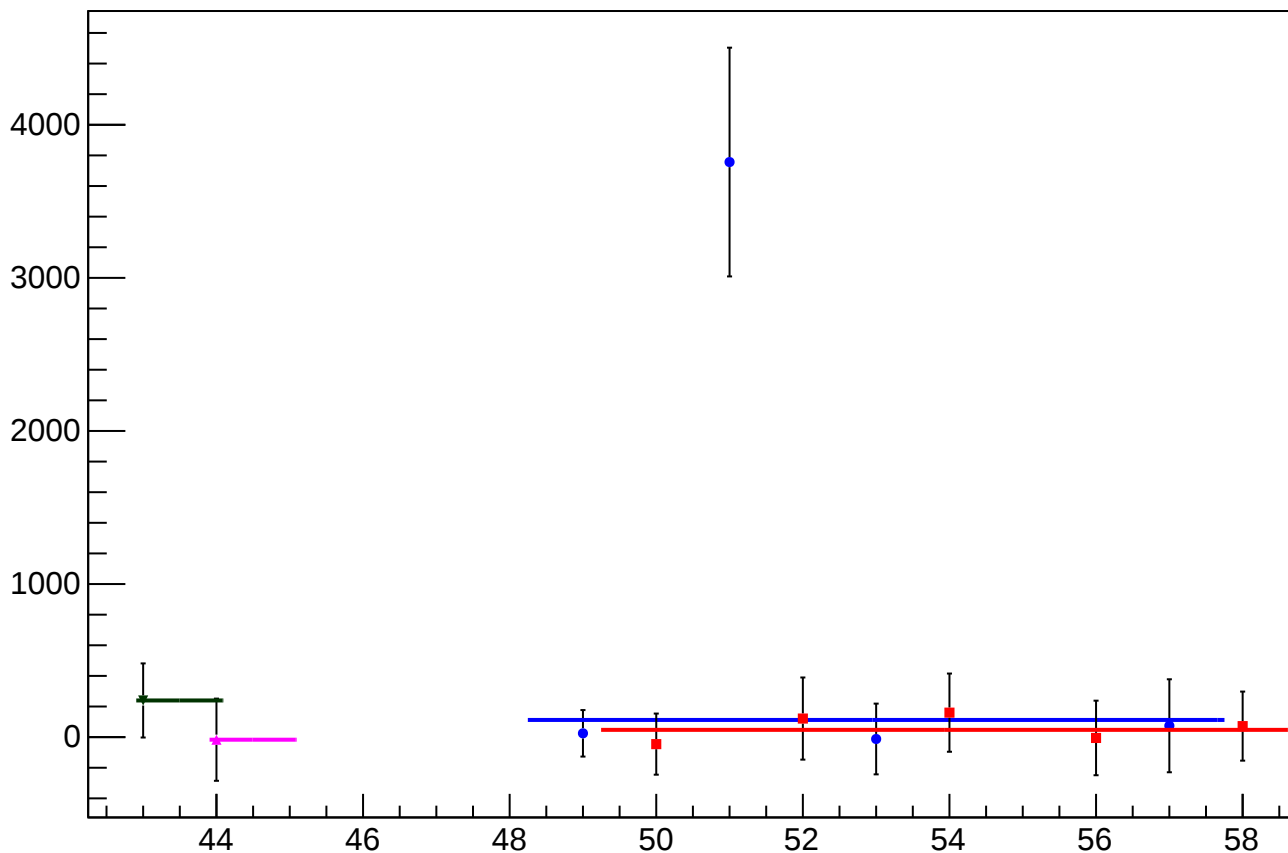
20.416 $\pm$ 0.009 χ^2 /NDF: 2180.7/4

Right Out: 20.328 $\pm$ 0.009 χ^2 /NDF: 5505.6/4

20.373 $\pm$ 0.008 χ^2 /NDF: 5665.9/5

Left In: 20.611 $\pm$ 0.020 χ^2 /NDF: 0.0/0

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_mean vs slug



Right In: 112.266+/-115.698 χ^2/NDF : 24.4/3

Left Out: 239.549+/-242.055 χ^2/NDF : 0.0/0

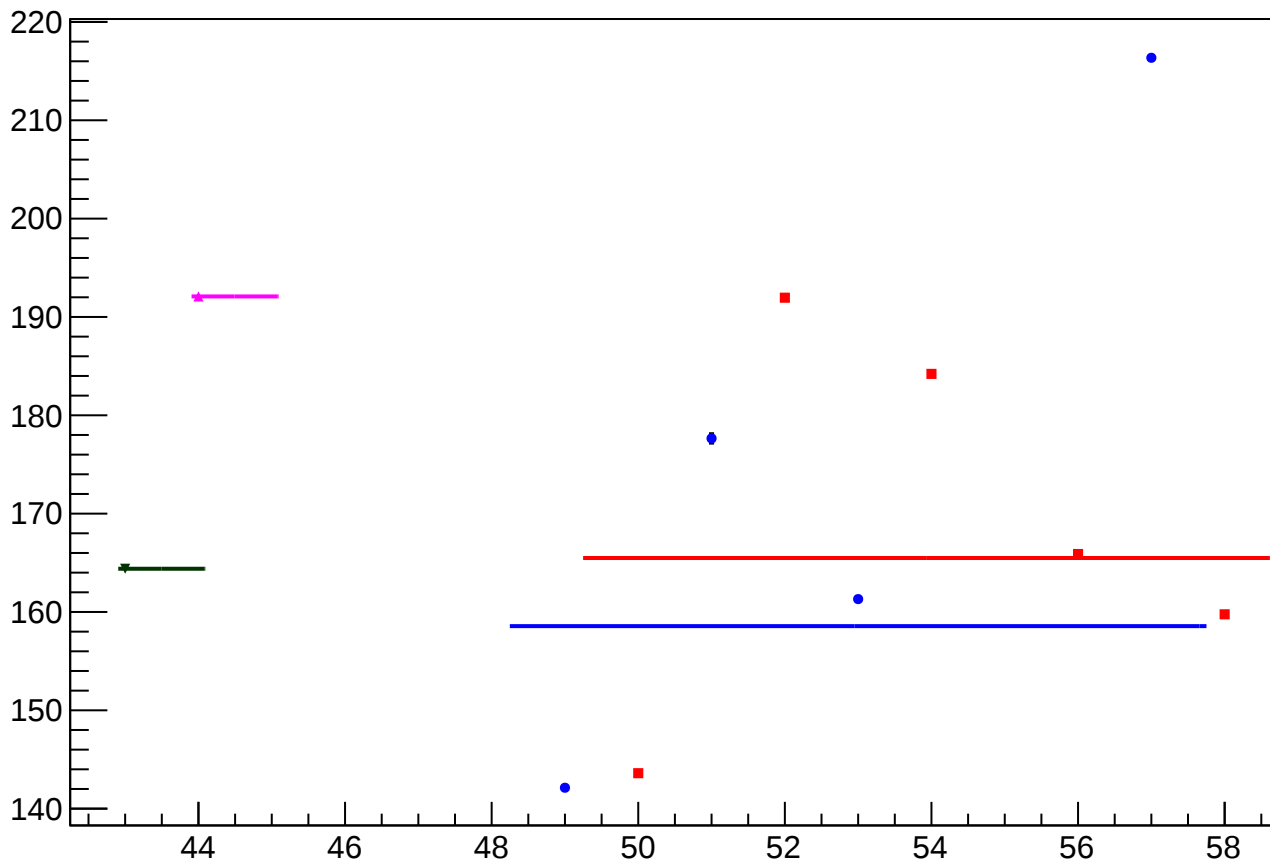
Right Out: 47.504+/-104.933 χ^2/NDF : 0.5/4

Left In: -16.805+/-268.428 χ^2/NDF : 0.0/0

135.937+/-104.386 χ^2/NDF : 24.7/4

38.979+/-97.731 χ^2/NDF : 0.6/5

asym_bcm_cav4cQ_bcm_dg_us_agg_avg_rms vs slug



Right In: 158.560 $\pm$ 0.082 χ^2 /NDF: 97417.8/3

Left Out: 164.396 $\pm$ 0.171 χ^2 /NDF: 0.0/0

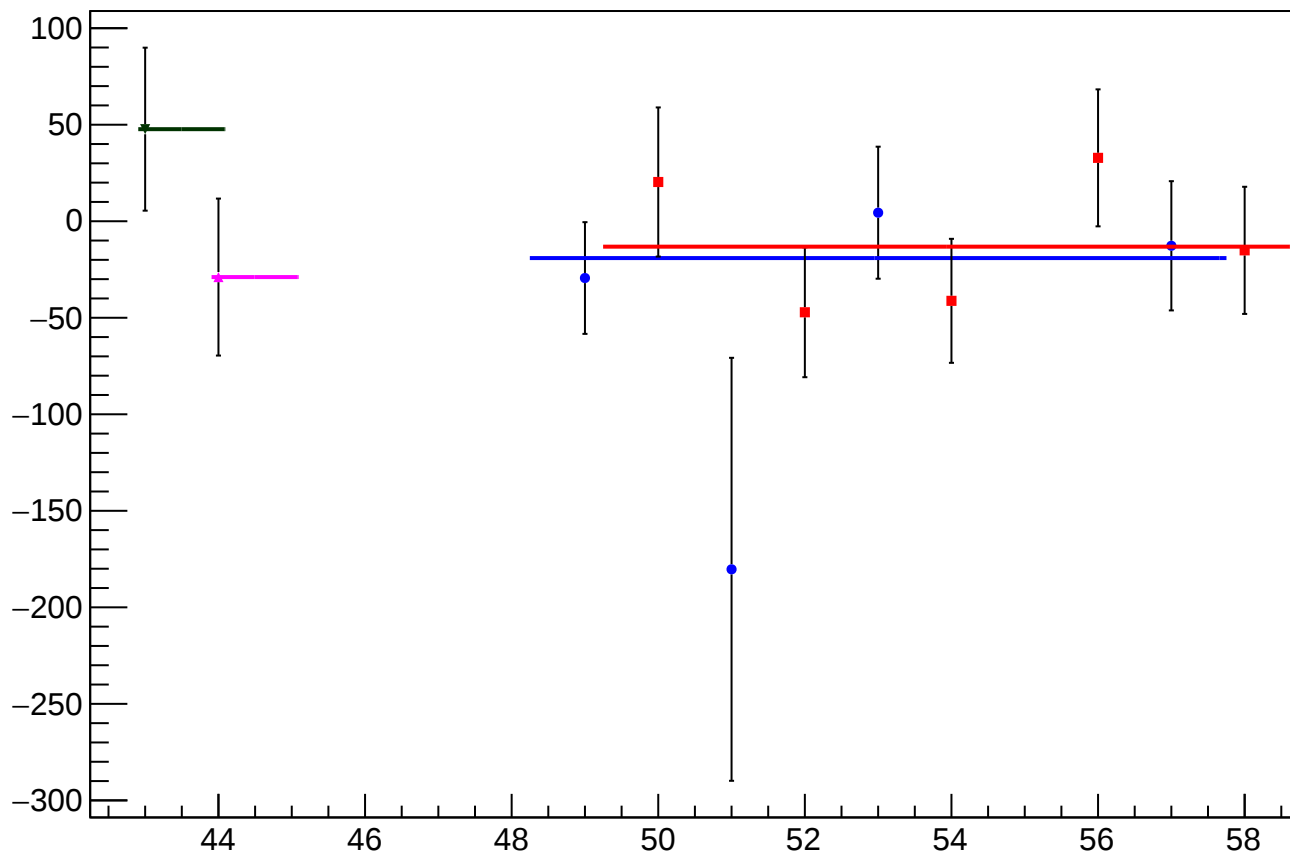
Right Out: 165.487 $\pm$ 0.074 χ^2 /NDF: 55541.0/4

Left In: 192.088 $\pm$ 0.190 χ^2 /NDF: 0.0/0

159.645 $\pm$ 0.074 χ^2 /NDF: 98364.3/4

169.014 $\pm$ 0.069 χ^2 /NDF: 72578.2/5

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_mean vs slug



Right In: -19.079 ± 18.181 χ^2/NDF : 2.8/3

Left Out: 47.694 ± 42.218 χ^2/NDF : 0.0/0

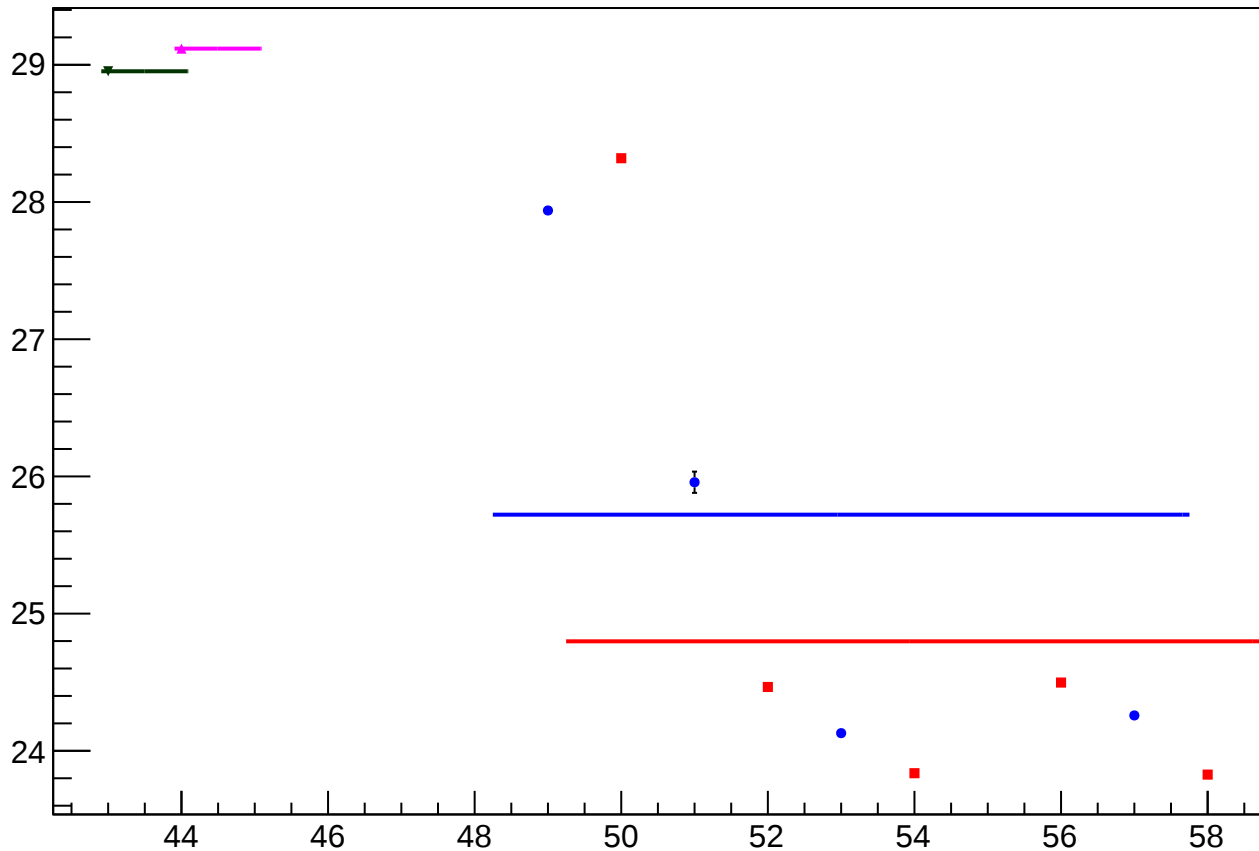
Right Out: -13.168 ± 15.357 χ^2/NDF : 4.2/4

Left In: -28.921 ± 40.658 χ^2/NDF : 0.0/0

-8.633 ± 16.698 χ^2/NDF : 4.9/4

-15.135 ± 14.367 χ^2/NDF : 4.4/5

asym_bcm_cav4cQ_bcm_dg_us_agg_dd_rms vs slug



Right In: 25.721 ± 0.013 χ^2/NDF : 19911.0/3

Left Out: 28.953 ± 0.030 χ^2/NDF : 0.0/0

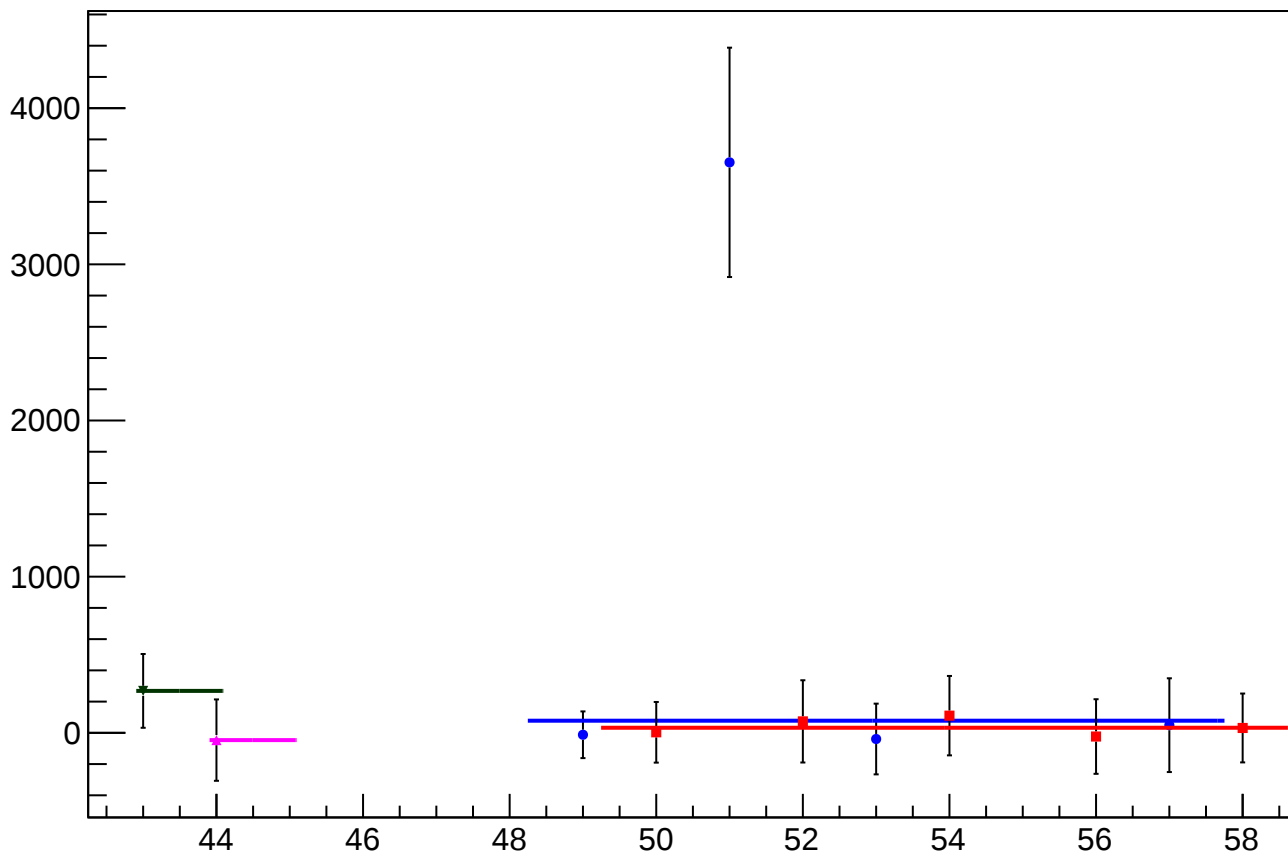
Right Out: 24.798 ± 0.011 χ^2/NDF : 20493.0/4

Left In: 29.118 ± 0.029 χ^2/NDF : 0.0/0

26.227 ± 0.012 χ^2/NDF : 29797.2/4

25.338 ± 0.010 χ^2/NDF : 40253.1/5

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_mean vs slug



Right In: 77.693+/-113.816 χ^2/NDF : 24.3/3

Left Out: 268.579+/-236.251 χ^2/NDF : 0.0/0

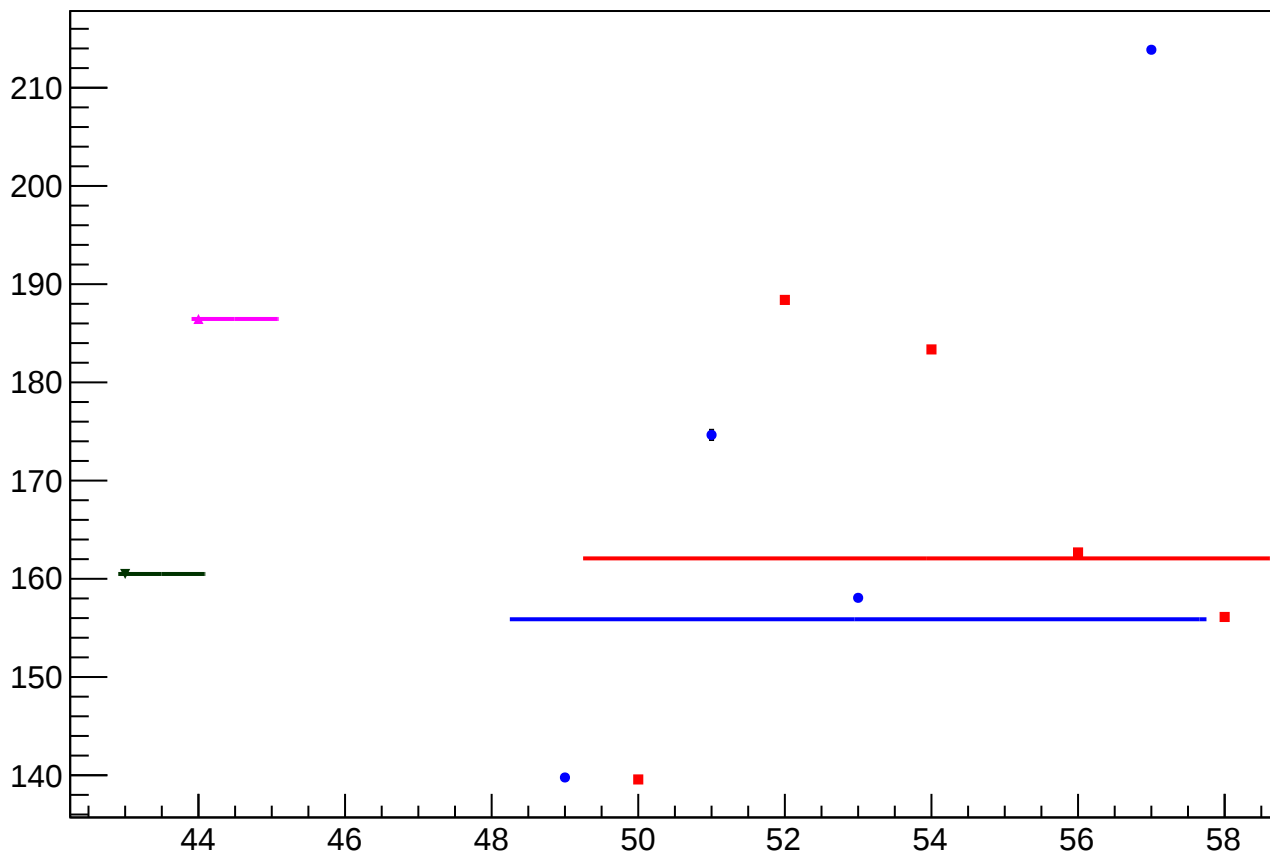
Right Out: 32.562+/-102.867 χ^2/NDF : 0.2/4

Left In: -46.555+/-260.560 χ^2/NDF : 0.0/0

113.651+/-102.538 χ^2/NDF : 24.9/4

21.893+/-95.681 χ^2/NDF : 0.3/5

asym_bcm_cav4cQ_bcm_dg_ds_agg_avg_rms vs slug



Right In: 155.881 $\pm$ 0.080 χ^2 /NDF: 99333.9/3

Left Out: 160.492 $\pm$ 0.167 χ^2 /NDF: 0.0/0

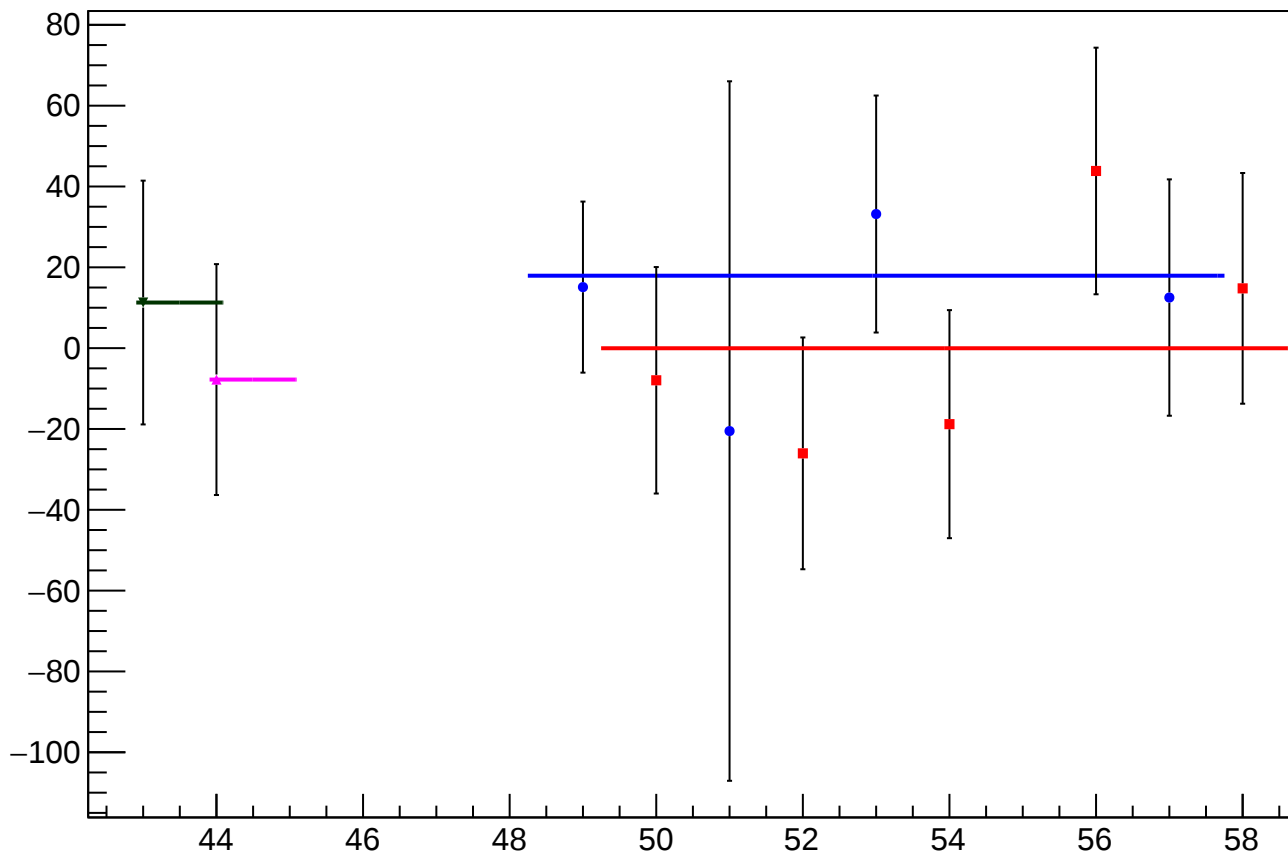
Right Out: 162.078 $\pm$ 0.073 χ^2 /NDF: 62318.9/4

Left In: 186.457 $\pm$ 0.184 χ^2 /NDF: 0.0/0

156.749 $\pm$ 0.073 χ^2 /NDF: 99952.3/4

165.366 $\pm$ 0.068 χ^2 /NDF: 77465.8/5

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_mean vs slug



Right In: 17.926 $\pm$ 14.589 χ^2/NDF : 0.5/3

Left Out: 11.285 $\pm$ 30.163 χ^2/NDF : 0.0/0

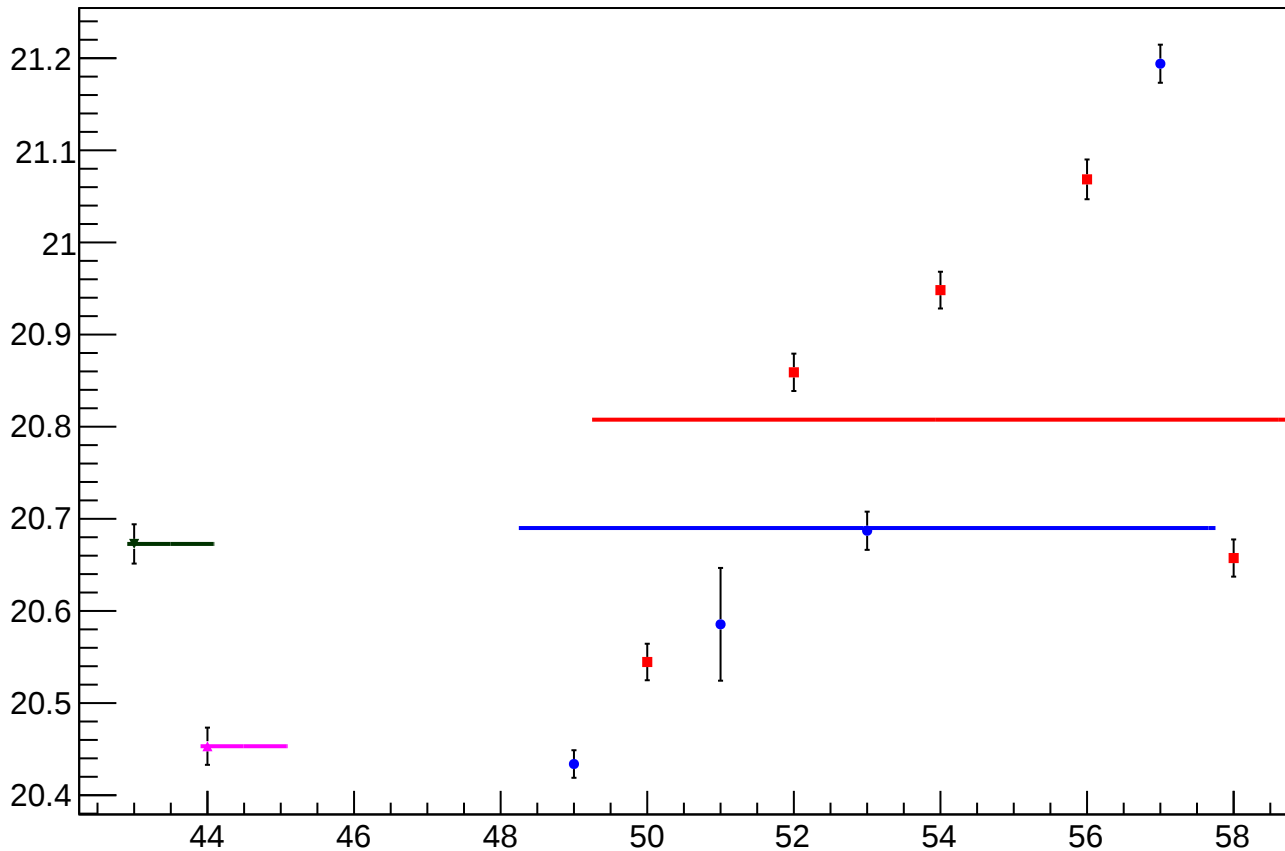
Right Out: -0.026 $\pm$ 12.860 χ^2/NDF : 3.7/4

Left In: -7.775 $\pm$ 28.568 χ^2/NDF : 0.0/0

16.667 $\pm$ 13.134 χ^2/NDF : 0.6/4

-1.332 $\pm$ 11.727 χ^2/NDF : 3.7/5

asym_bcm_cav4cQ_bcm_dg_ds_agg_dd_rms vs slug



Right In: 20.690 $\pm$ 0.010 χ^2 /NDF: 889.8/3

Left Out: 20.673 $\pm$ 0.021 χ^2 /NDF: 0.0/0

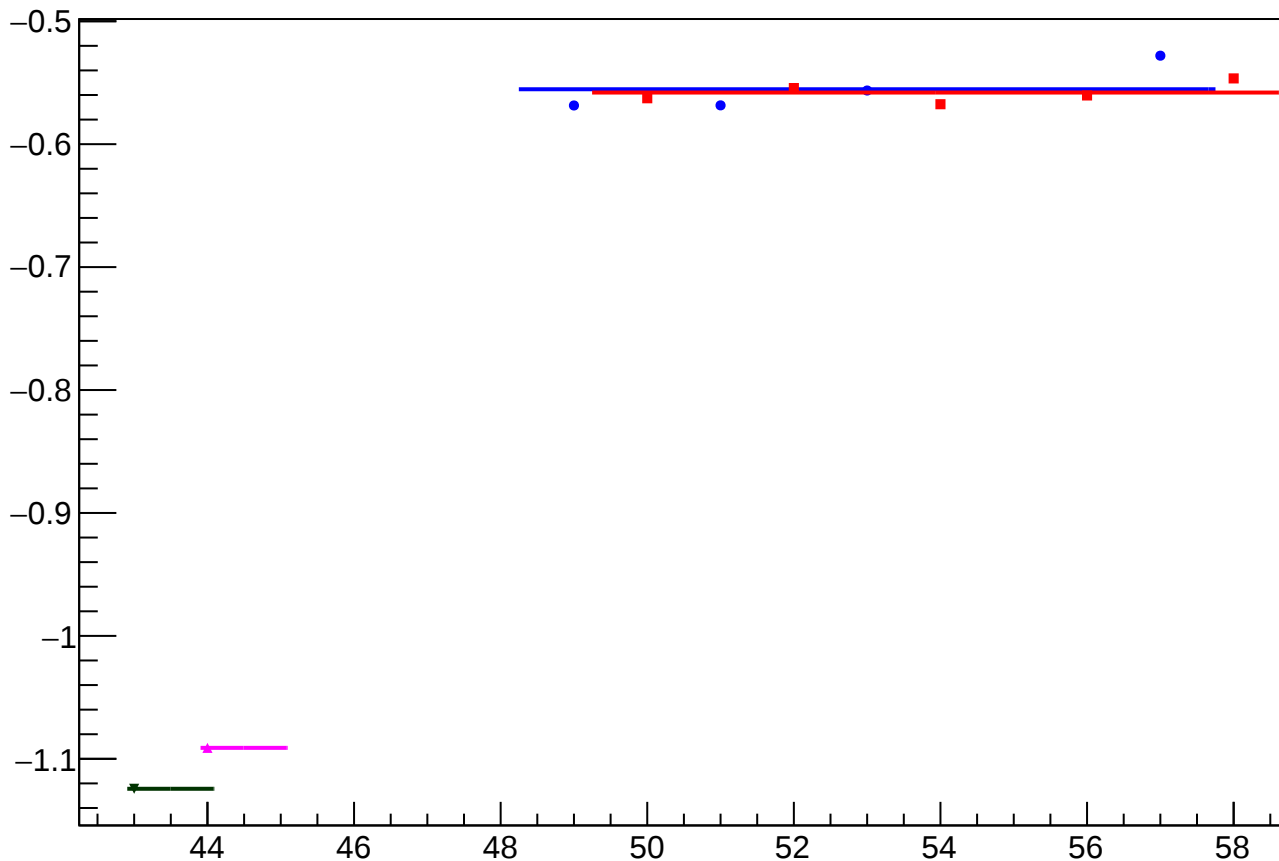
Right Out: 20.808 $\pm$ 0.009 χ^2 /NDF: 433.9/4

Left In: 20.453 $\pm$ 0.020 χ^2 /NDF: 0.0/0

20.687 $\pm$ 0.009 χ^2 /NDF: 890.3/4

20.748 $\pm$ 0.008 χ^2 /NDF: 689.9/5

yield_bpm0l01X_mean vs slug



Right In: -0.555+/-0.000 χ^2/NDF : 4589958.7/3

Left Out: -1.124+/-0.000 χ^2/NDF : 0.0/0

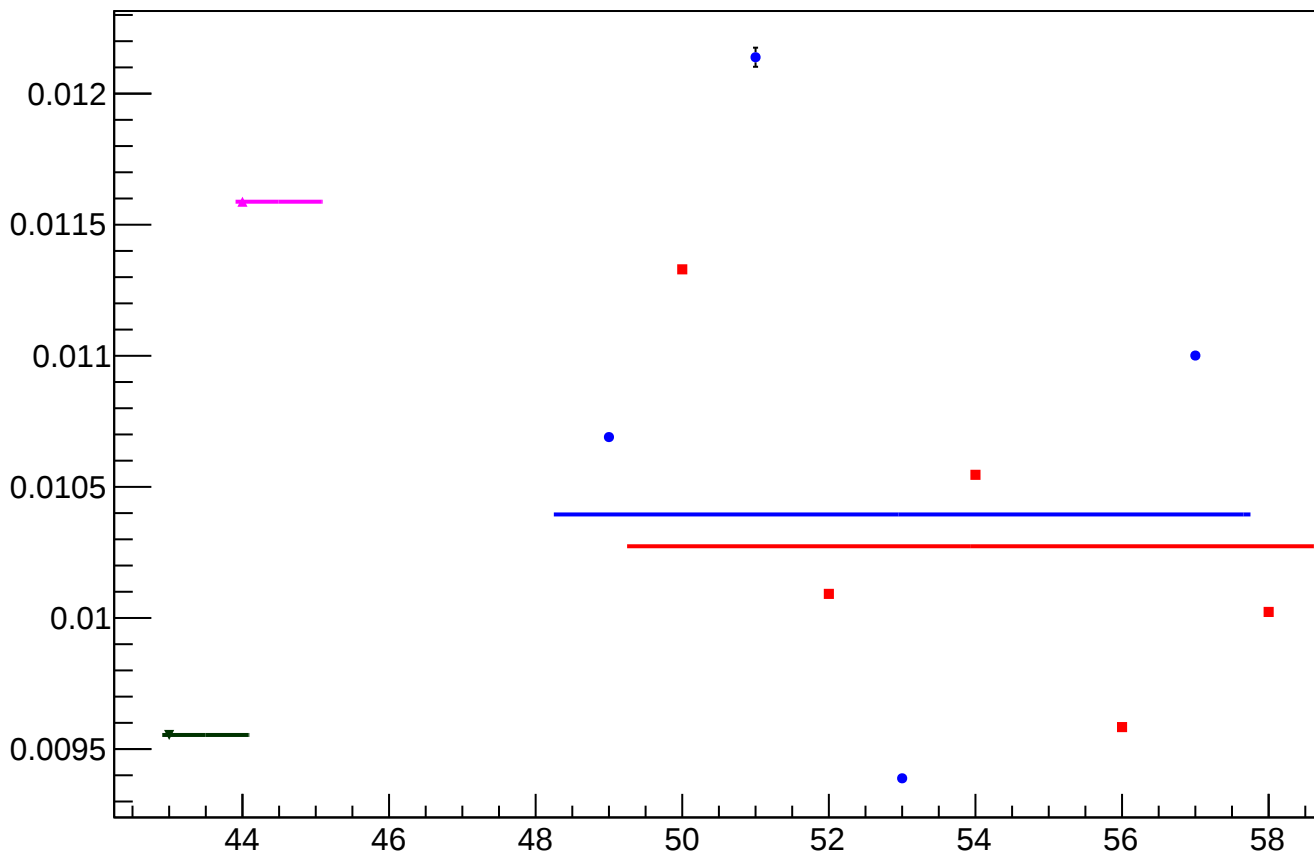
Right Out: -0.558+/-0.000 χ^2/NDF : 1290719.8/4

Left In: -1.091+/-0.000 χ^2/NDF : 0.0/0

-0.680+/-0.000 χ^2/NDF : 1281915686.5/4

-0.630+/-0.000 χ^2/NDF : 930766604.1/5

yield_bpm0l01X_rms vs slug



Right In: 0.010 $\pm$ 0.000 χ^2 /NDF: 17927.7/3

Left Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 0.0/0

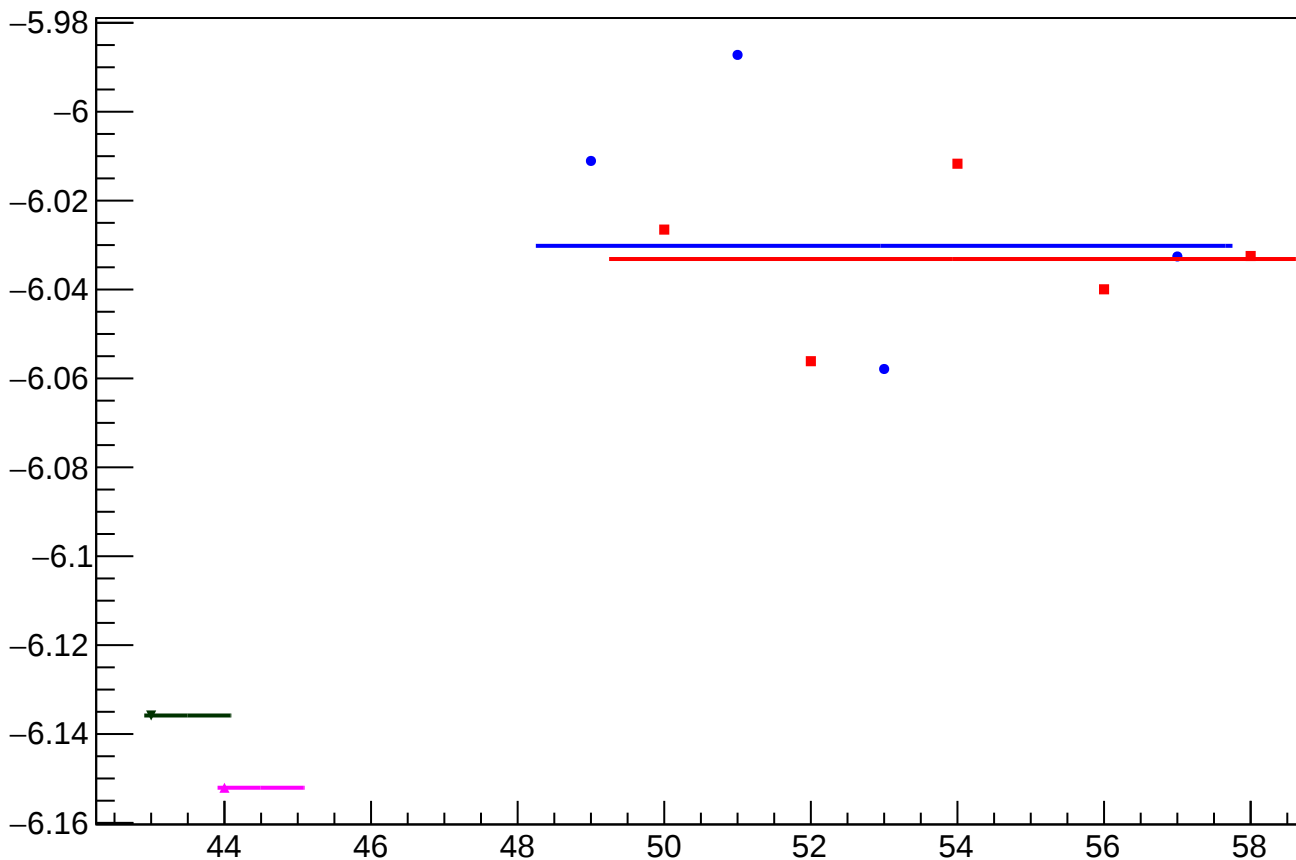
Right Out: 0.010 $\pm$ 0.000 χ^2 /NDF: 15663.7/4

Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 0.0/0

0.010 $\pm$ 0.000 χ^2 /NDF: 23509.1/4

0.010 $\pm$ 0.000 χ^2 /NDF: 26961.5/5

yield_bpm0l01Y_mean vs slug



Right In: -6.030+/-0.000 χ^2/NDF : 8627210.7/3

Left Out: -6.136+/-0.000 χ^2/NDF : 0.0/0

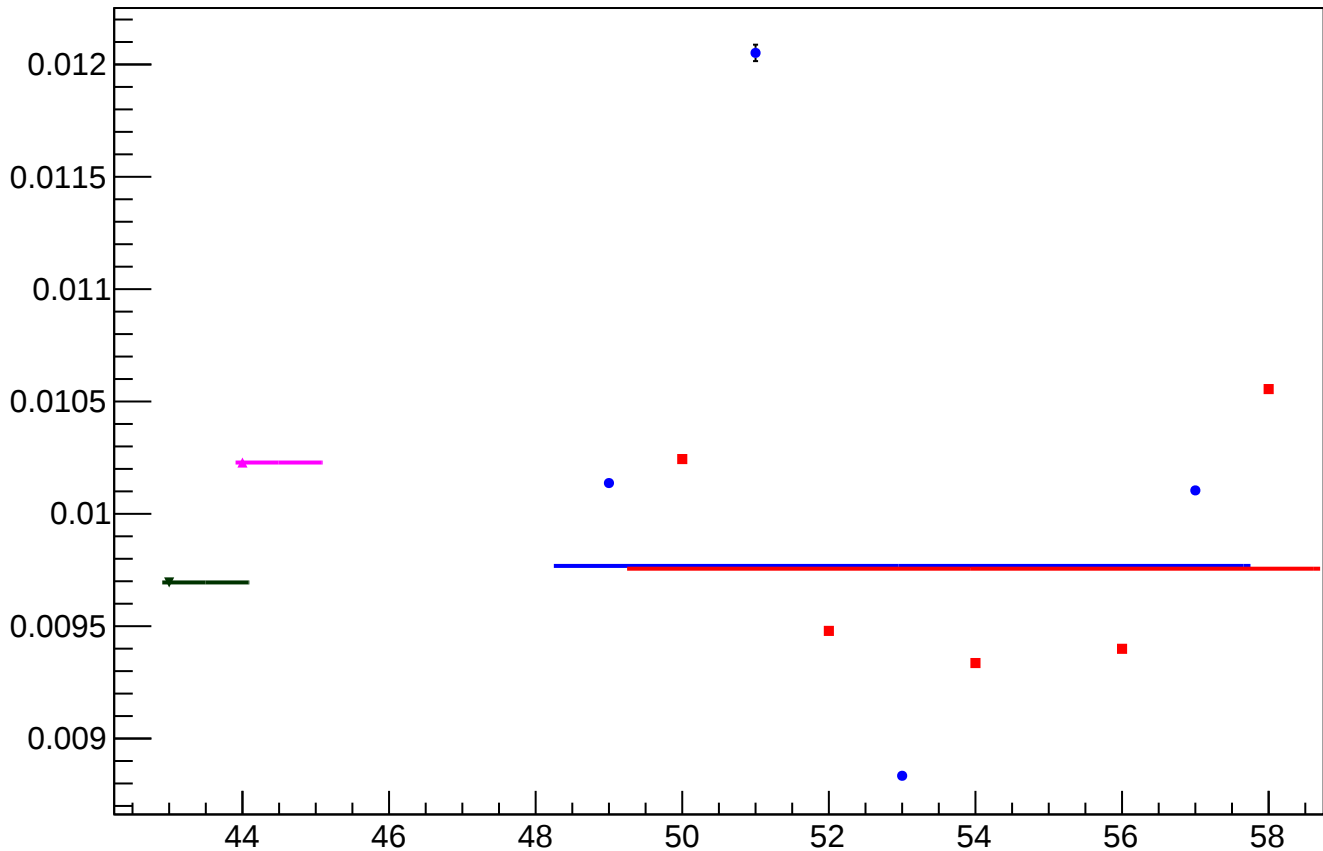
Right Out: -6.033+/-0.000 χ^2/NDF : 6219759.8/4

Left In: -6.152+/-0.000 χ^2/NDF : 0.0/0

-6.051+/-0.000 χ^2/NDF : 52437251.9/4

-6.051+/-0.000 χ^2/NDF : 63454944.8/5

yield_bpm0l01Y_rms vs slug



Right In: 0.010+/-0.000 χ^2/NDF : 18139.7/3

Left Out: 0.010+/-0.000 χ^2/NDF : 0.0/0

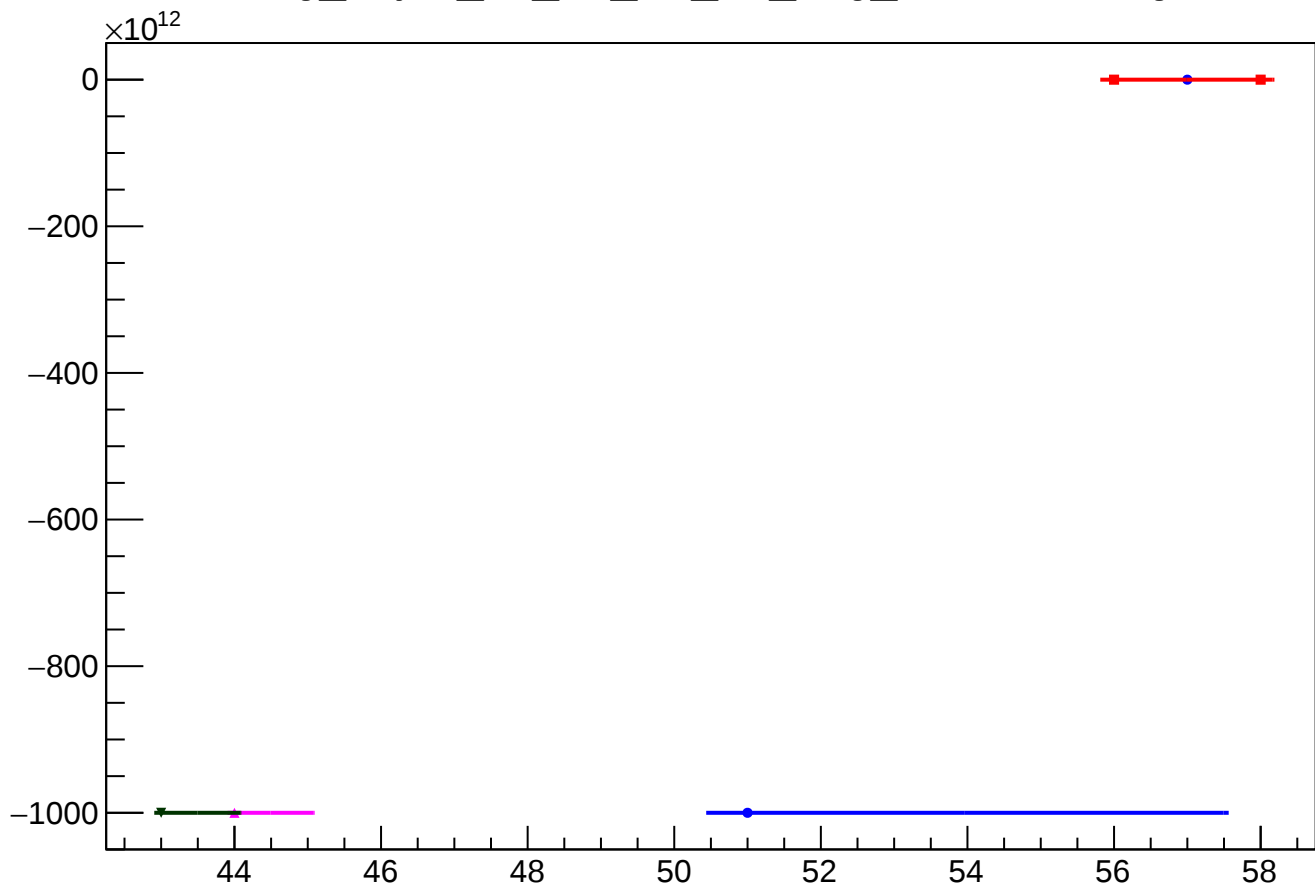
Right Out: 0.010+/-0.000 χ^2/NDF : 12330.7/4

Left In: 0.010+/-0.000 χ^2/NDF : 0.0/0

0.010+/-0.000 χ^2/NDF : 18182.1/4

0.010+/-0.000 χ^2/NDF : 14137.1/5

reg_asym_atl_dd_atr_dd_avg_mean vs slug



Right In: -999999997344441.375+/-0.062 χ^2/NDF : 679823032439115347918848.0/1

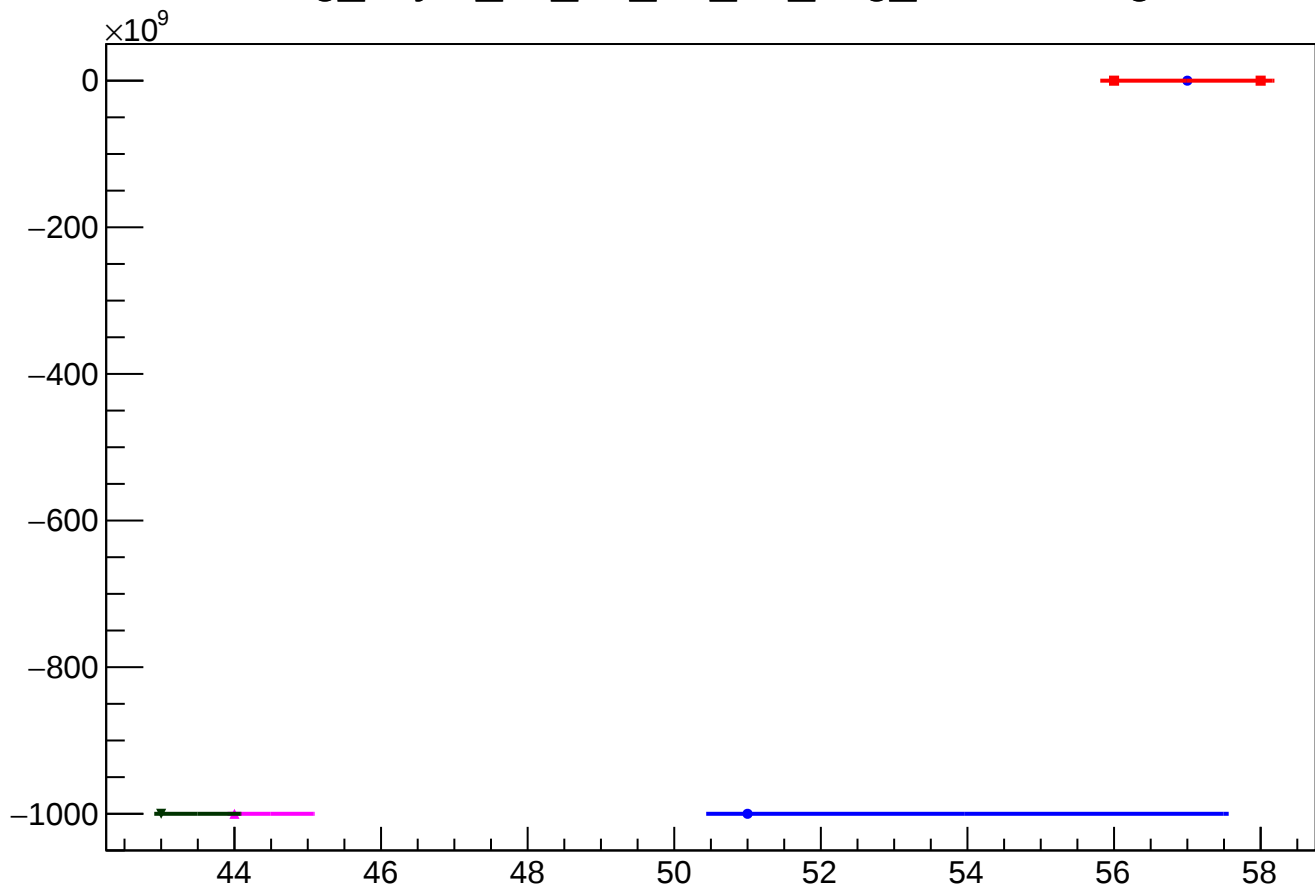
Left Out: -1000000000000000.250+/-0.018 χ^2/NDF : 47.0/0

Right Out: -37.000+/-989.017 χ^2/NDF : 0.0/1

-999999979954253.375+/-0.140 χ^2/NDF : 1022

Left In: -1000000000000000.125+/-0.140 χ^2/NDF : 0.8/0

reg_asym_atl_dd_atr_dd_avg_rms vs slug



Right In: -999999994934.923+/-0.000 χ^2/NDF : 1359646063981508901732352.0/1

Left Out: -1000000000000.000+/-0.000 χ^2/NDF : 47.0/0

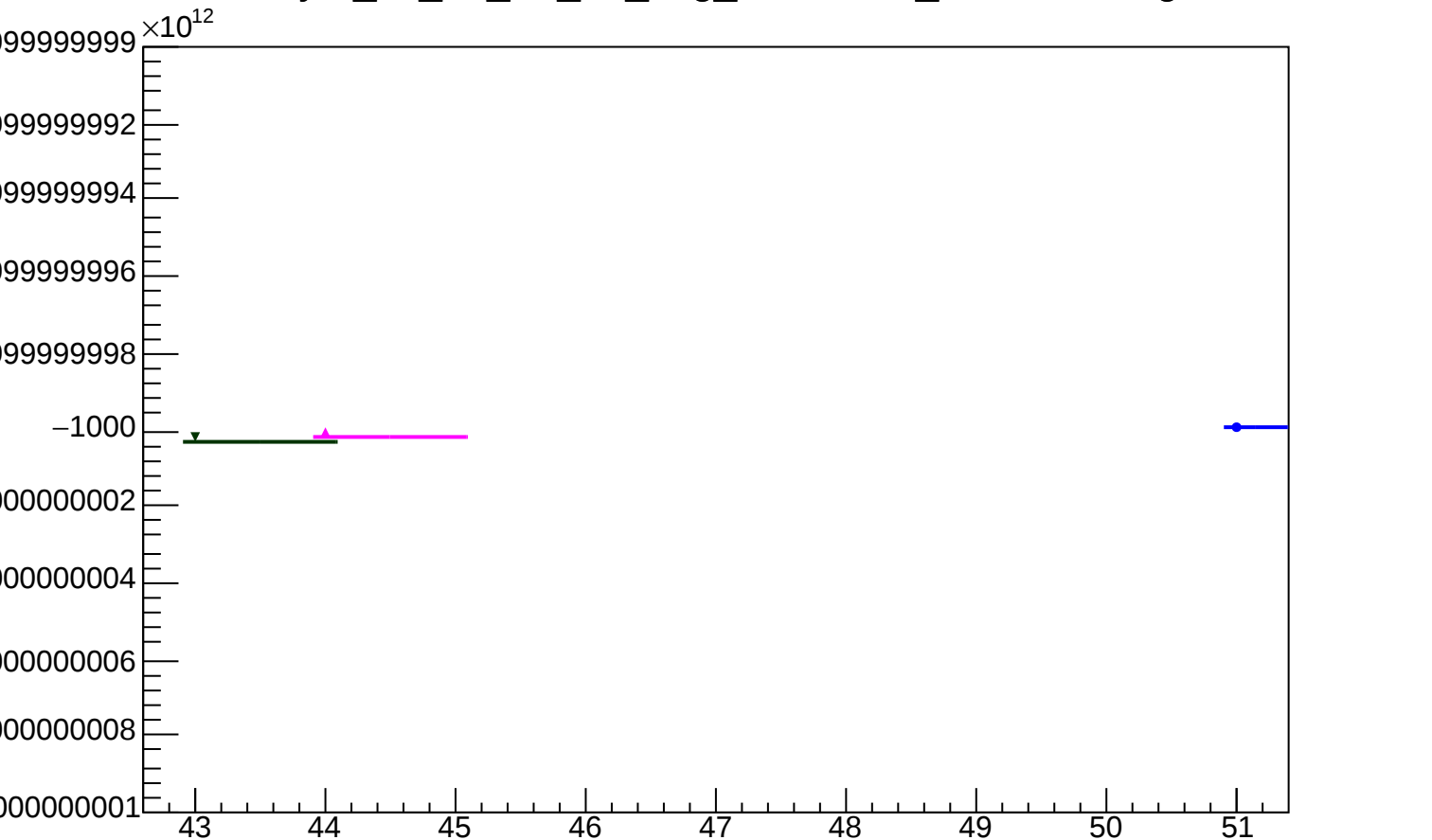
Right Out: 986.719+/-0.699 χ^2/NDF : 398.8/1

Left In: -1000000000000.000+/-0.000 χ^2/NDF : 0.0/0

-999999999602.739+/-0.000 χ^2/NDF : 1359646

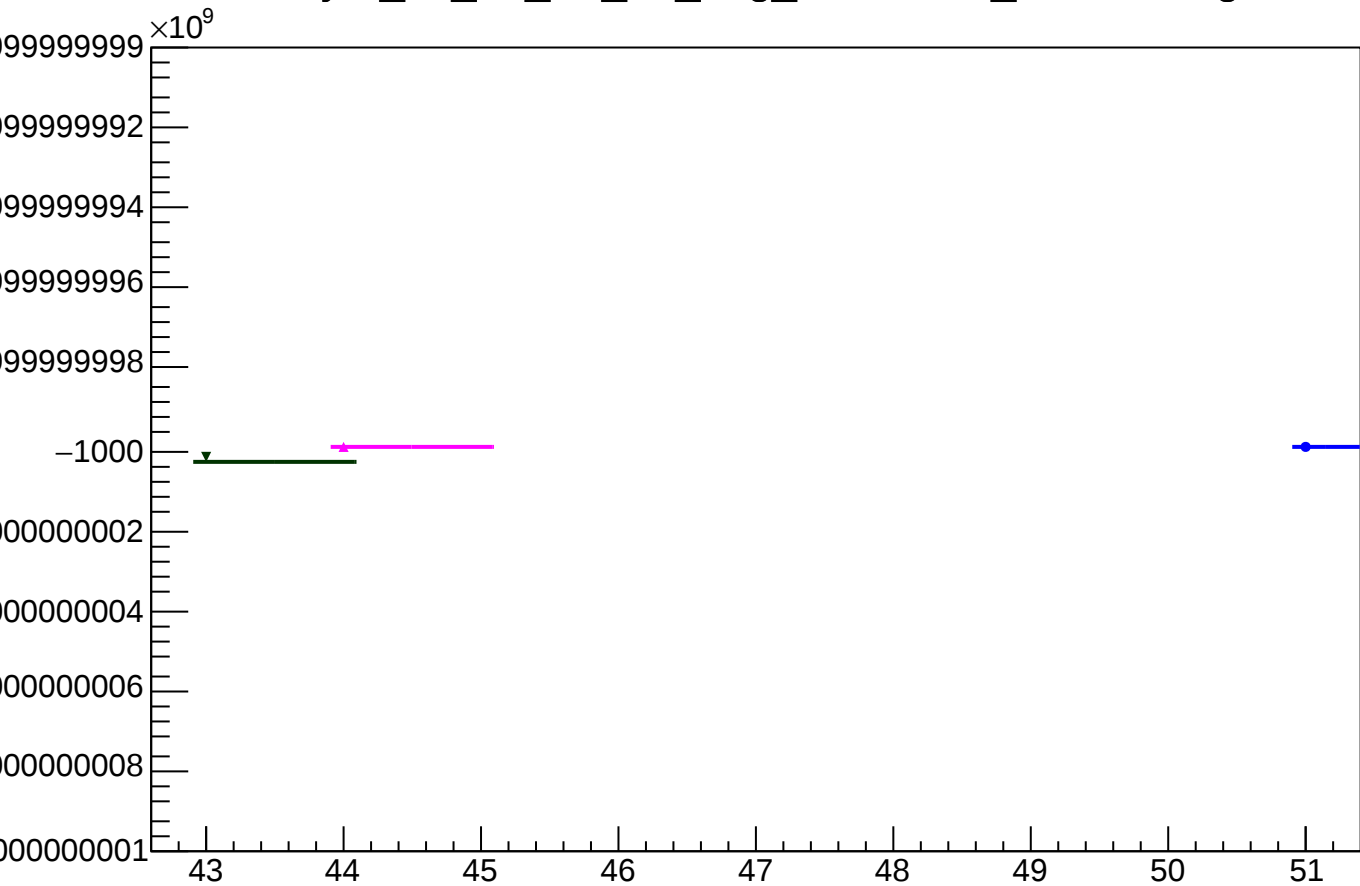
-999999999390.642+/-0.000 χ^2/NDF : 2044666

asym_atl_dd_atr_dd_avg_correction_mean vs slug



Right In: $-9999999999999999.875 \pm 0.062$ $\chi^2/\text{NDF}: 0.0/0$
 Left Out: $-10000000000000000.250 \pm 0.018$ $\chi^2/\text{NDF}: 47.0/0$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: $-10000000000000000.125 \pm 0.140$ $\chi^2/\text{NDF}: 0.8/0$

asym_atl_dd_atr_dd_avg_correction_rms vs slug



Right In: -1000000000000.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -1000000000000.000+/-0.000 χ^2/NDF : 47.0/0

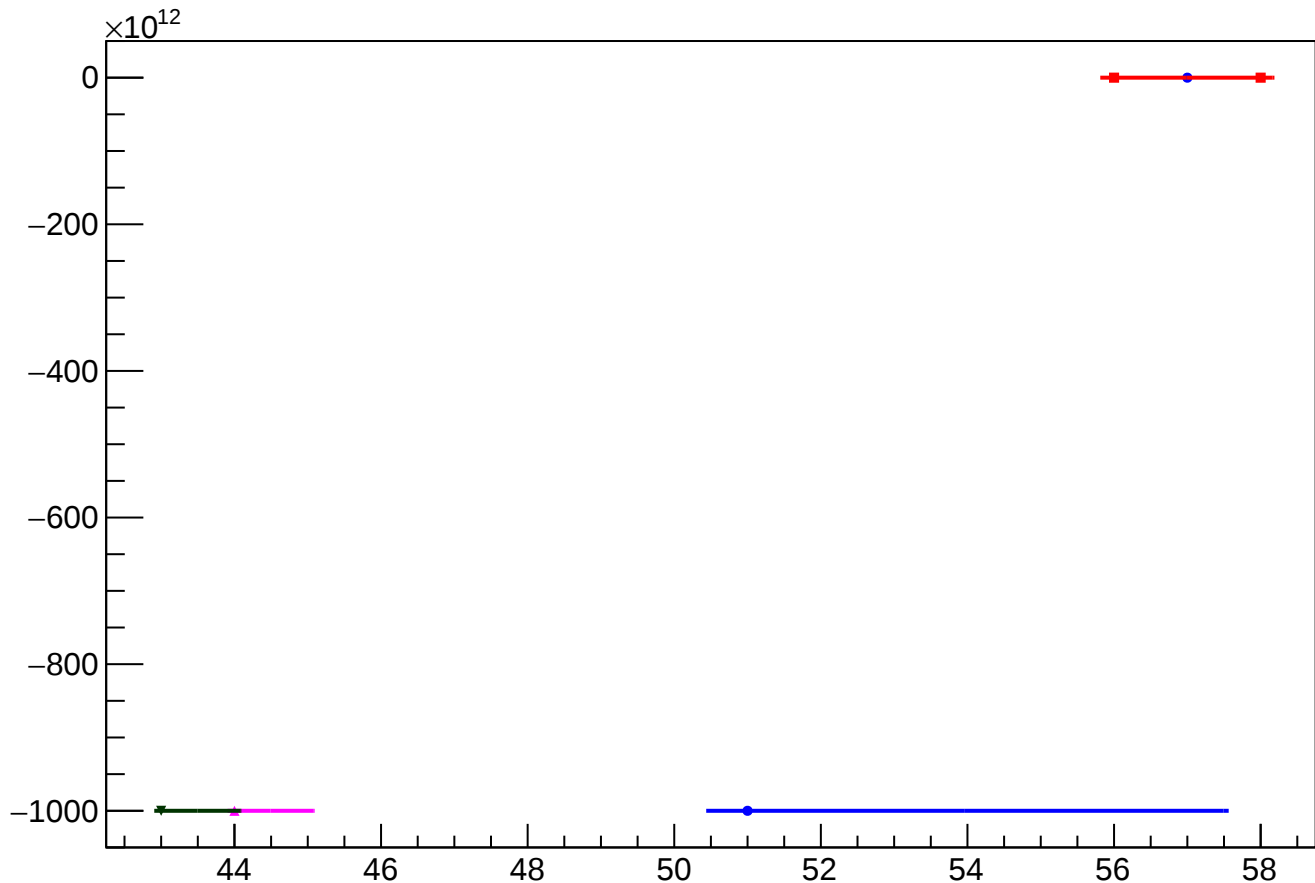
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1000000000000.000+/-0.000 χ^2/NDF : 0.0/0

-1000000000000.000+/-0.000 χ^2/NDF : 51.0/1

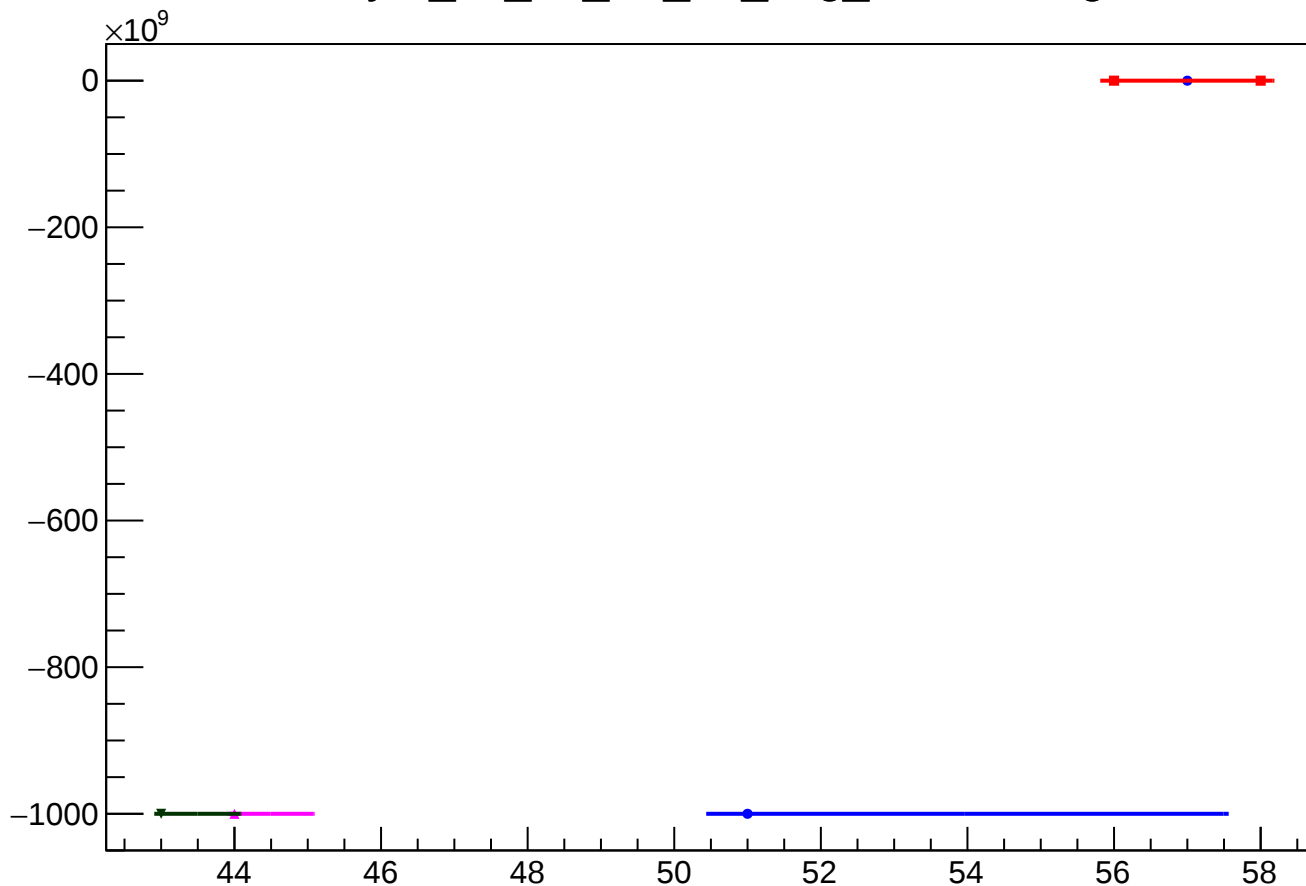
-1000000000000.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_avg_mean vs slug



Right In: -999999997344441.375 $\pm$ 0.062 χ^2 /NDF: 679823032439115347918848.0/1
 Left Out: -1000000000000000.250 $\pm$ 0.018 χ^2 /NDF: 47.0/0
 Right Out: -37.000 $\pm$ 989.017 χ^2 /NDF: 0.0/1
 Left In: -1000000000000000.125 $\pm$ 0.140 χ^2 /NDF: 0.8/0

asym_atl_dd_atr_dd_avg_rms vs slug



Right In: -999999994934.923+/-0.000 χ^2/NDF : 1359646063981508901732352.0/1

Left Out: -1000000000000.000+/-0.000 χ^2/NDF : 47.0/0

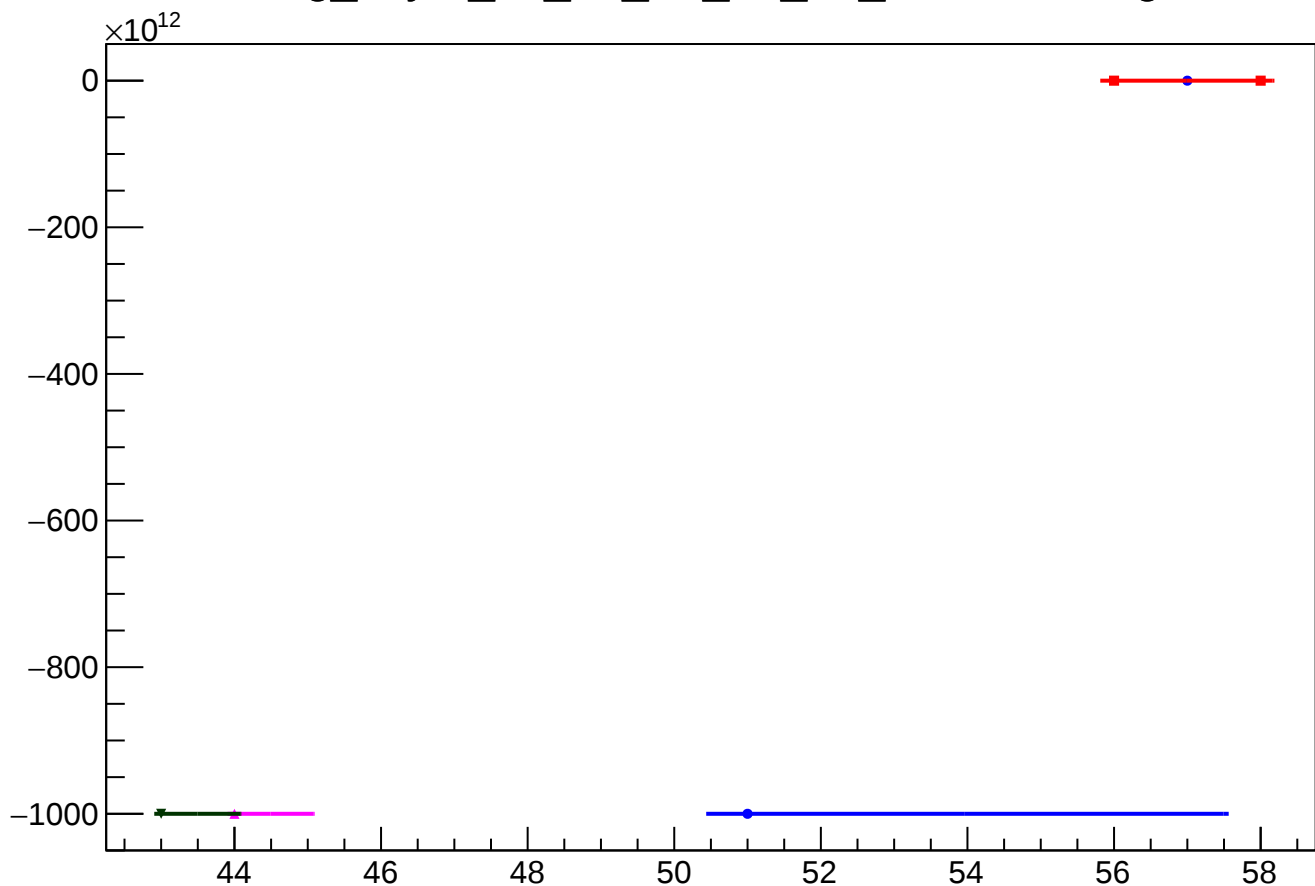
Right Out: 986.719+/-0.699 χ^2/NDF : 398.8/1

Left In: -1000000000000.000+/-0.000 χ^2/NDF : 0.0/0

-999999999602.739+/-0.000 χ^2/NDF : 1359646

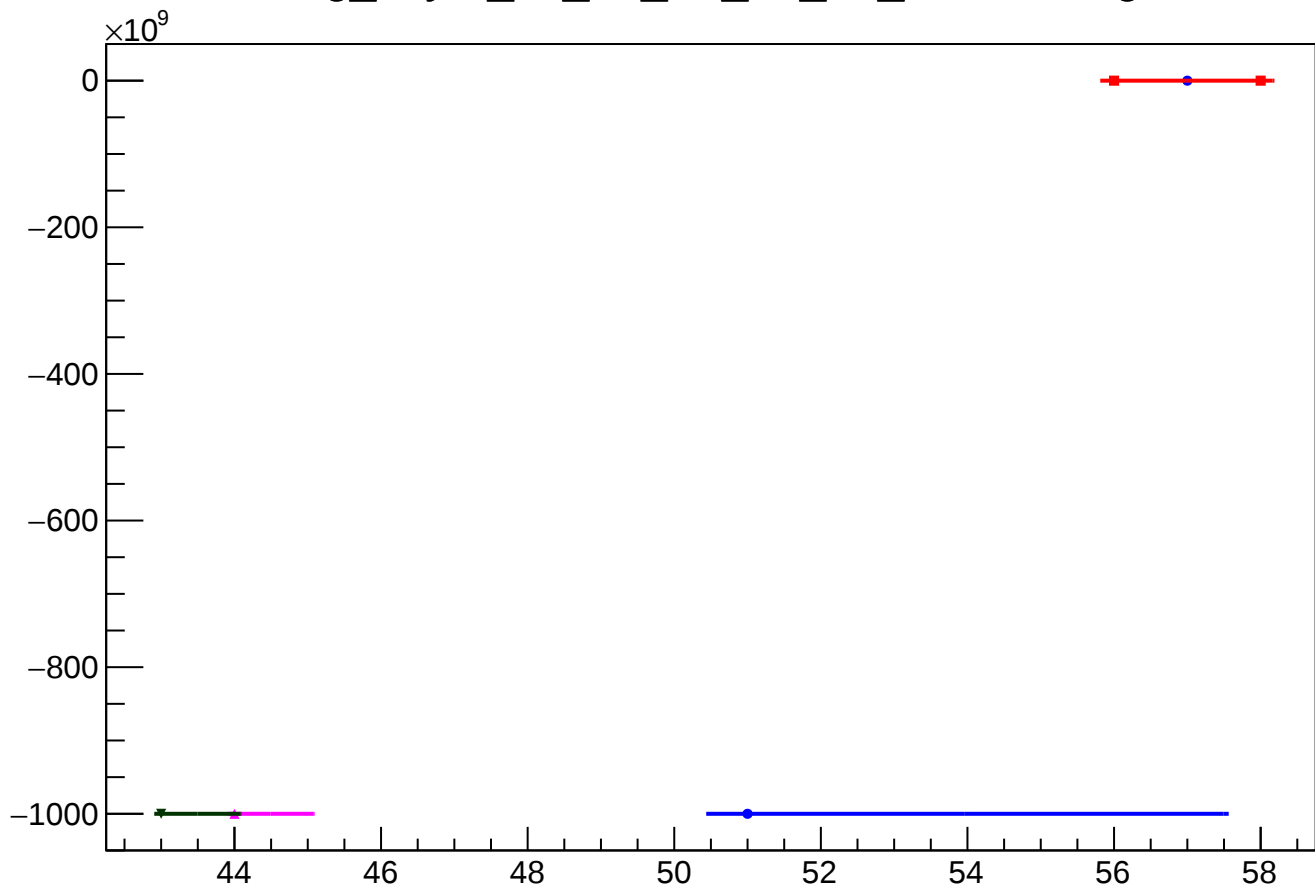
-999999999390.642+/-0.000 χ^2/NDF : 2044666

reg_asym_atl_dd_atr_dd_dd_mean vs slug



Right In: -999999997652001.625+/-0.062 χ^2/NDF : 601087606251088779411456.0/1
 Left Out: -10000000000000000.250+/-0.018 χ^2/NDF : 47.0/0
 Right Out: -834.380+/-973.303 χ^2/NDF : 4.1/1
 Left In: -10000000000000000.125+/-0.140 χ^2/NDF : 0.8/0

reg_asym_atl_dd_atr_dd_dd_rms vs slug



Right In: -999999995521.548+/-0.000 χ^2/NDF : 1202175212179009187086336.0/1

Left Out: -1000000000000.000+/-0.000 χ^2/NDF : 47.0/0

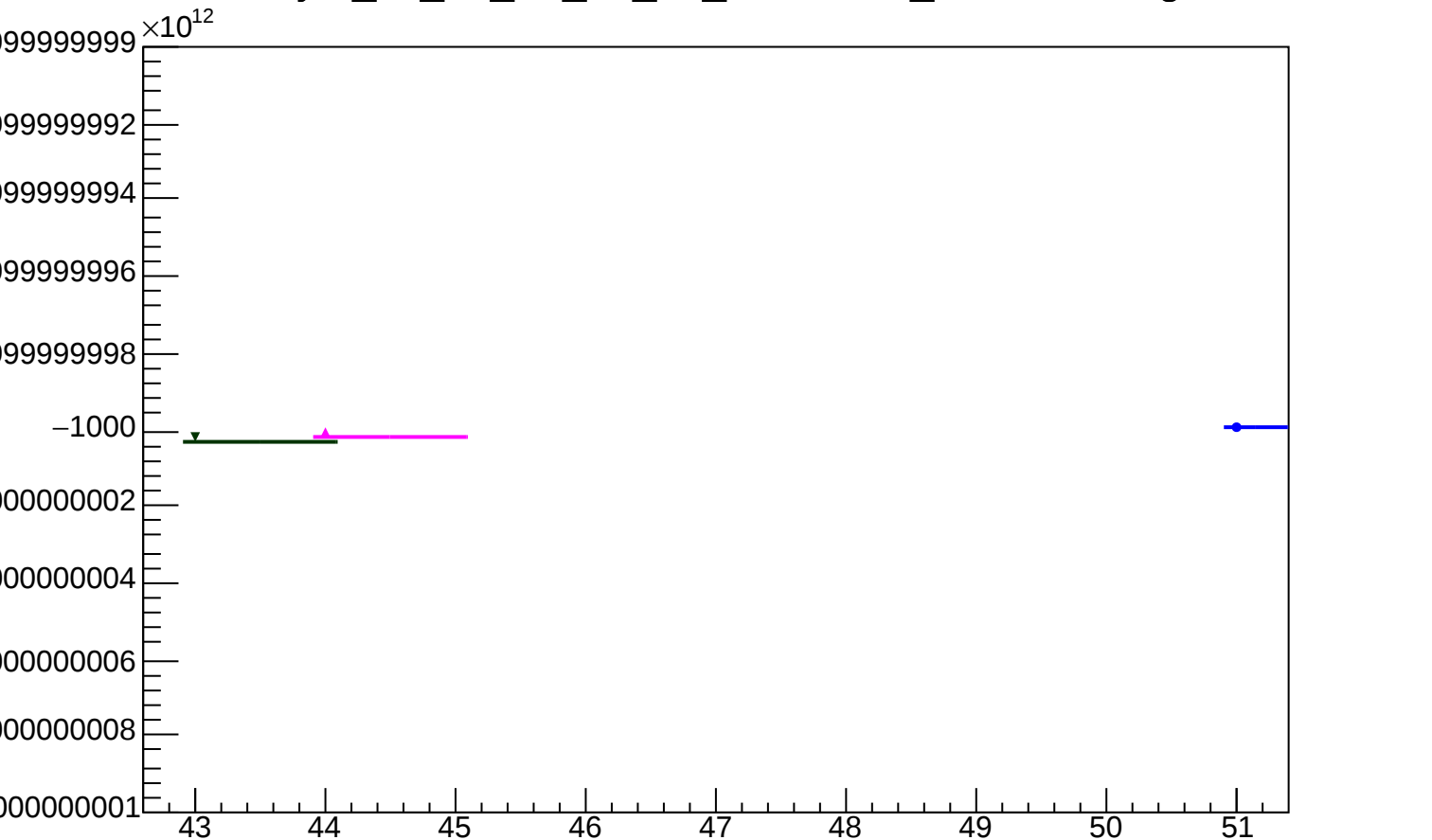
Right Out: 972.523+/-0.688 χ^2/NDF : 2404.8/1

Left In: -1000000000000.000+/-0.000 χ^2/NDF : 0.0/0

-999999999648.749+/-0.000 χ^2/NDF : 1202175

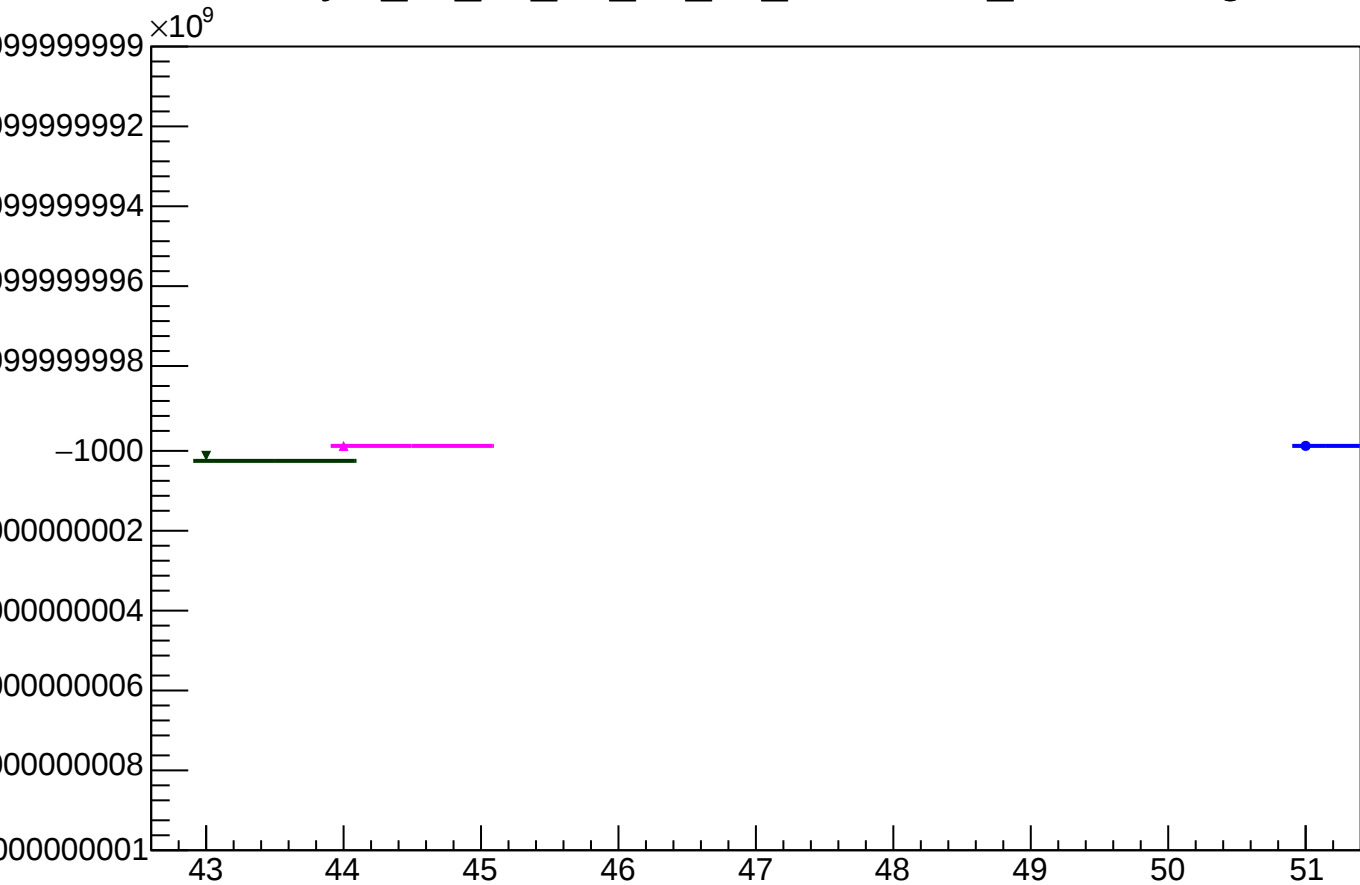
-999999999370.806+/-0.000 χ^2/NDF : 2111223

asym_atl_dd_atr_dd_dd_correction_mean vs slug



Right In: $-9999999999999999.875 \pm 0.062$ $\chi^2/\text{NDF}: 0.0/0$
 Left Out: $-10000000000000000.250 \pm 0.018$ $\chi^2/\text{NDF}: 47.0/0$
 Right Out: 0.000 ± 0.000 $\chi^2/\text{NDF}: 0.0/0$
 Left In: $-10000000000000000.125 \pm 0.140$ $\chi^2/\text{NDF}: 0.8/0$

asym_atl_dd_atr_dd_dd_correction_rms vs slug



Right In: -1000000000000.000+/-0.000 χ^2/NDF : 0.0/0

Left Out: -1000000000000.000+/-0.000 χ^2/NDF : 47.0/0

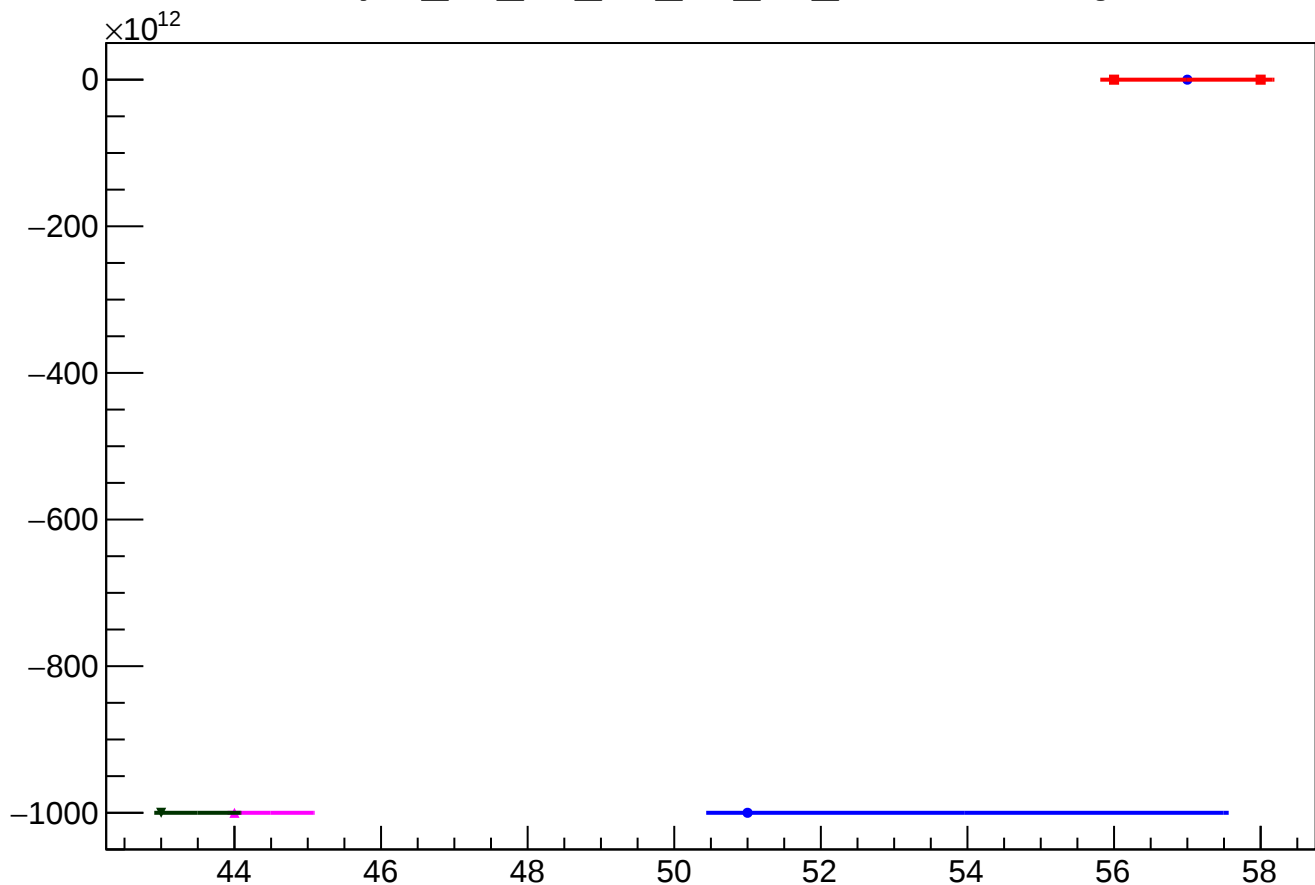
Right Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

Left In: -1000000000000.000+/-0.000 χ^2/NDF : 0.0/0

-1000000000000.000+/-0.000 χ^2/NDF : 51.0/1

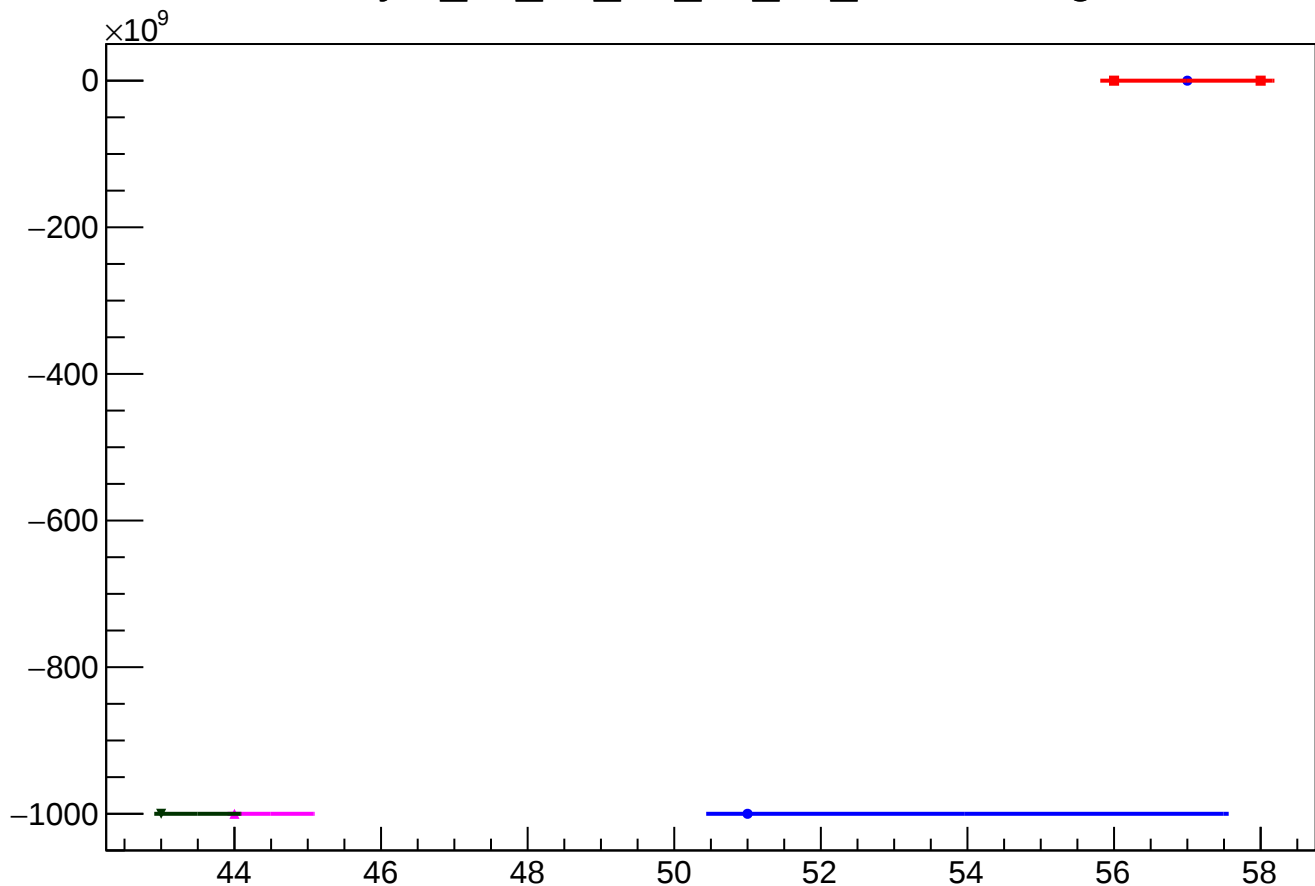
-1000000000000.000+/-0.000 χ^2/NDF : 0.0/0

asym_atl_dd_atr_dd_dd_mean vs slug



Right In: -999999997652001.625+/-0.062 χ^2/NDF : 601087606251088779411456.0/1
 Left Out: -1000000000000000.250+/-0.018 χ^2/NDF : 47.0/0
 Right Out: -834.380+/-973.303 χ^2/NDF : 4.1/1
 Left In: -1000000000000000.125+/-0.140 χ^2/NDF : 0.8/0

asym_atl_dd_atr_dd_dd_rms vs slug



Right In: -999999995521.548 $\pm$ 0.000 χ^2/NDF : 1202175212179009187086336.0/1

Left Out: -1000000000000.000 $\pm$ 0.000 χ^2/NDF : 47.0/0

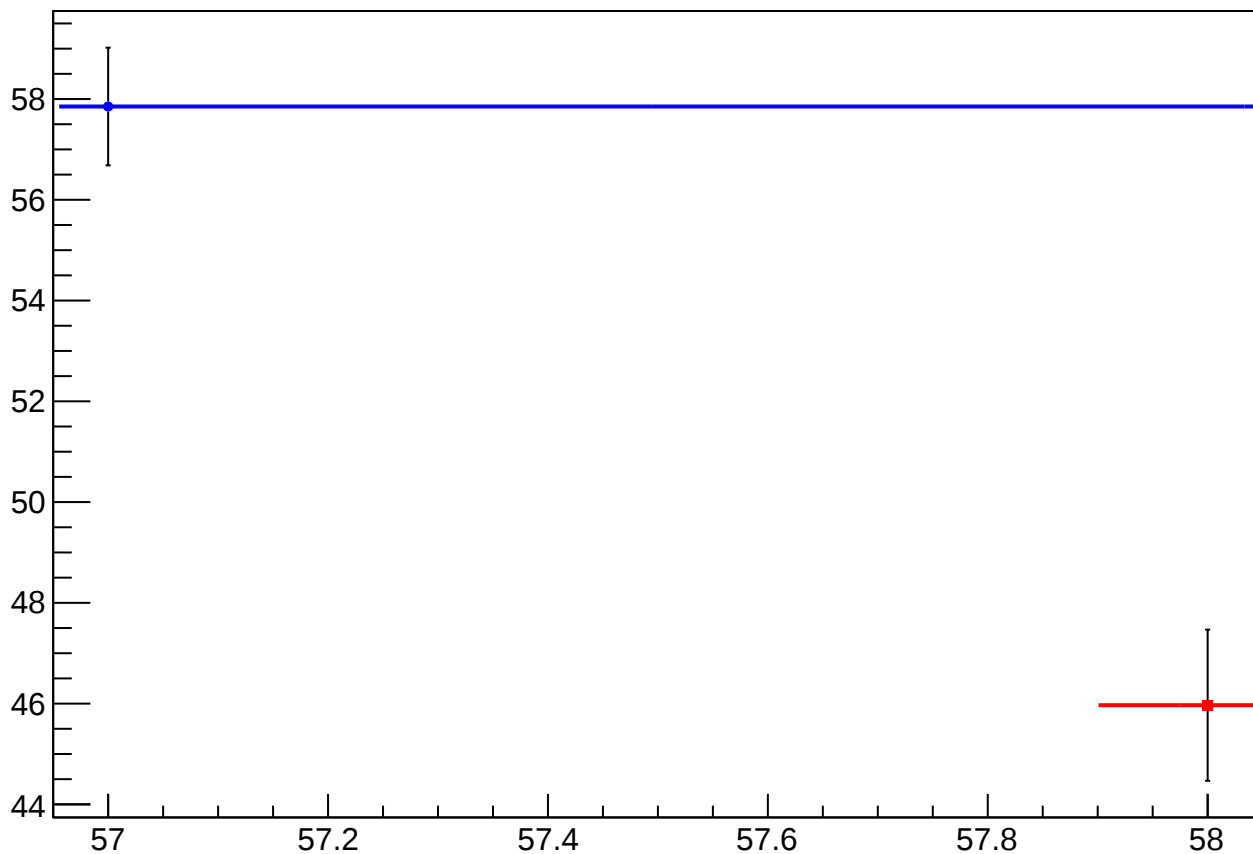
Right Out: 972.523 $\pm$ 0.688 χ^2/NDF : 2404.8/1

Left In: -1000000000000.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

-999999999648.749 $\pm$ 0.000 χ^2/NDF : 1202175

-999999999370.806 $\pm$ 0.000 χ^2/NDF : 2111223

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aX_slope vs slug



Right In: 57.852 $\pm$ 1.168 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

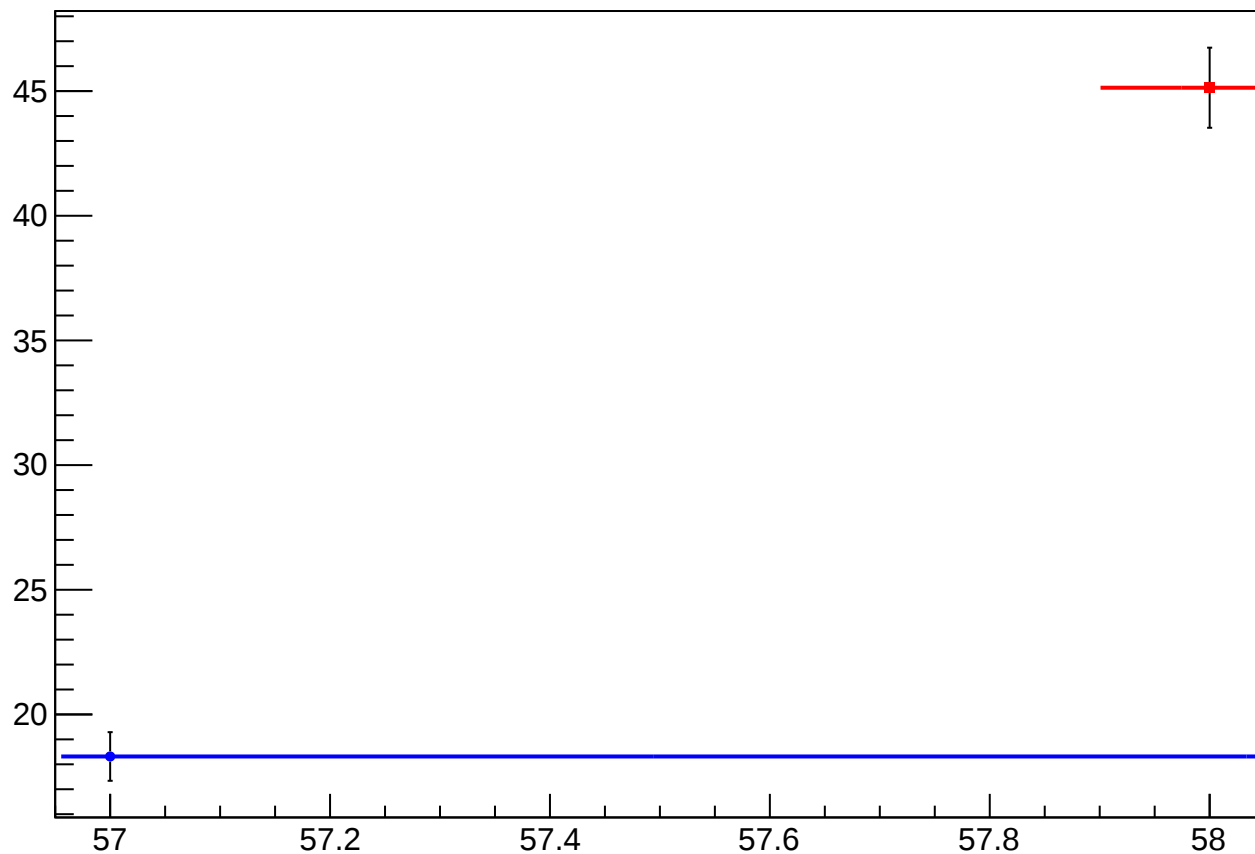
Right Out: 45.968 $\pm$ 1.500 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

57.852 $\pm$ 1.168 χ^2 /NDF: 0.0/0

45.968 $\pm$ 1.500 χ^2 /NDF: 0.0/0

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs slug



Right In: 18.314+/-0.976 χ^2 /NDF: 0.0/0

Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

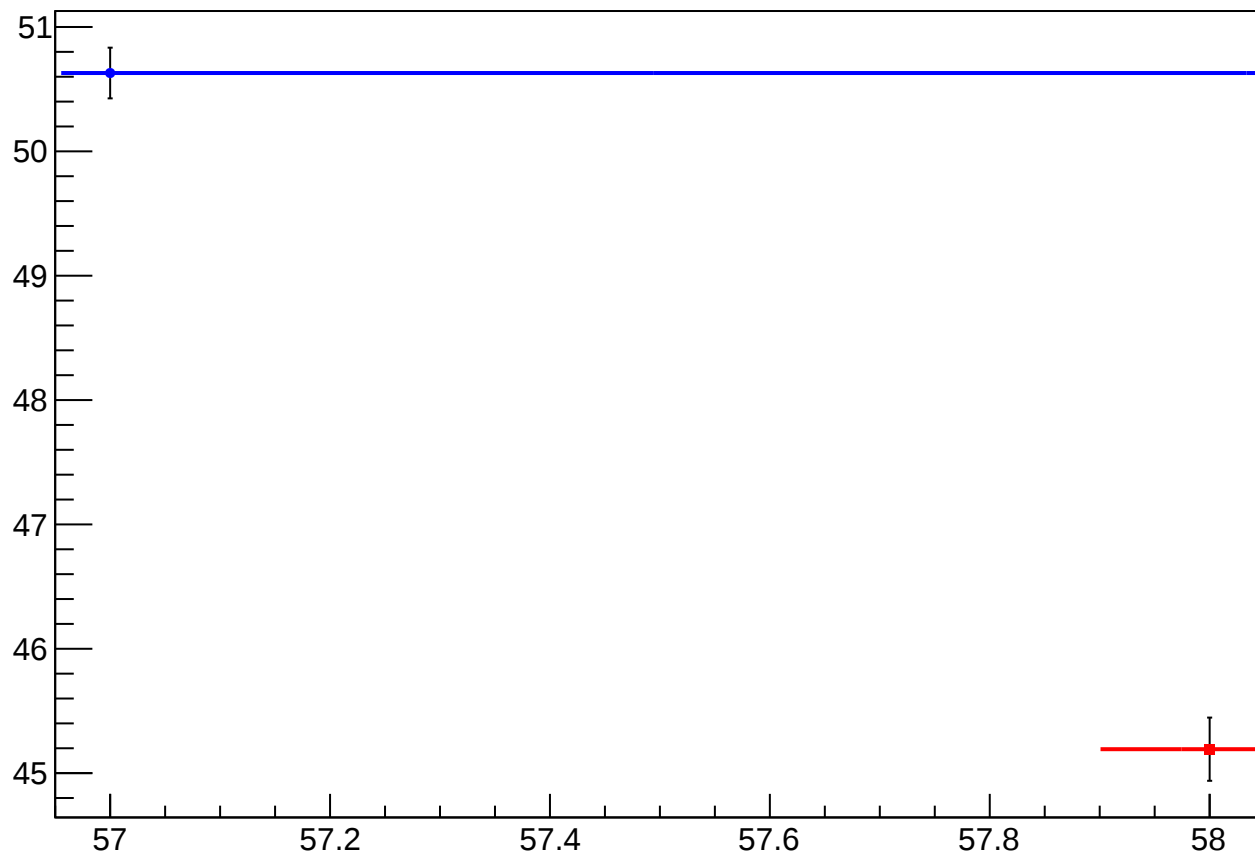
Right Out: 45.135+/-1.606 χ^2 /NDF: 0.0/0

Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

18.314+/-0.976 χ^2 /NDF: 0.0/0

45.135+/-1.606 χ^2 /NDF: 0.0/0

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs slug



Right In: 50.630+/-0.204 χ^2 /NDF: 0.0/0

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

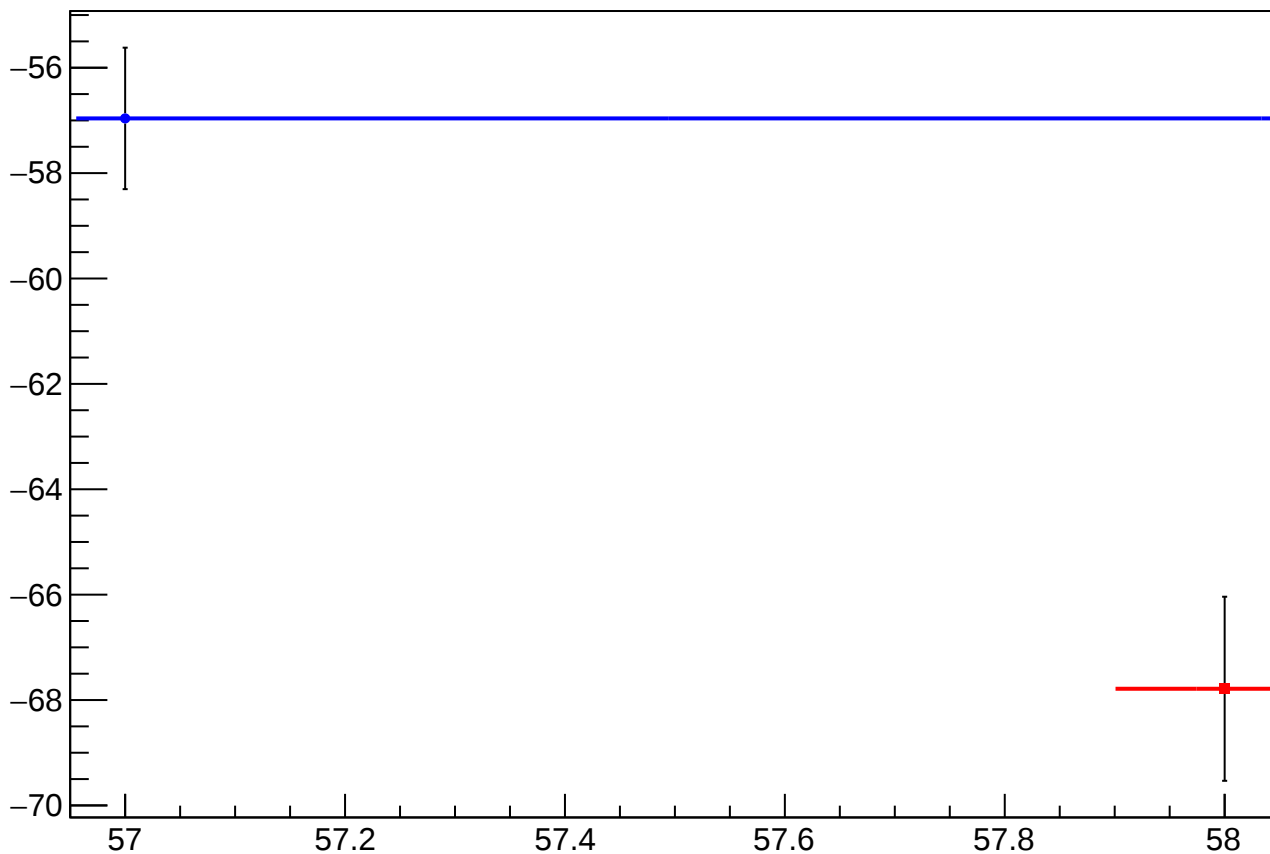
Right Out: 45.193+/-0.254 χ^2 /NDF: 0.0/0

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

50.630+/-0.204 χ^2 /NDF: 0.0/0

45.193+/-0.254 χ^2 /NDF: 0.0/0

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs slug



Right In: -56.962+/-1.343 χ^2/NDF : 0.0/0

Left Out: 0.000+/-0.000 χ^2/NDF : 0.0/0

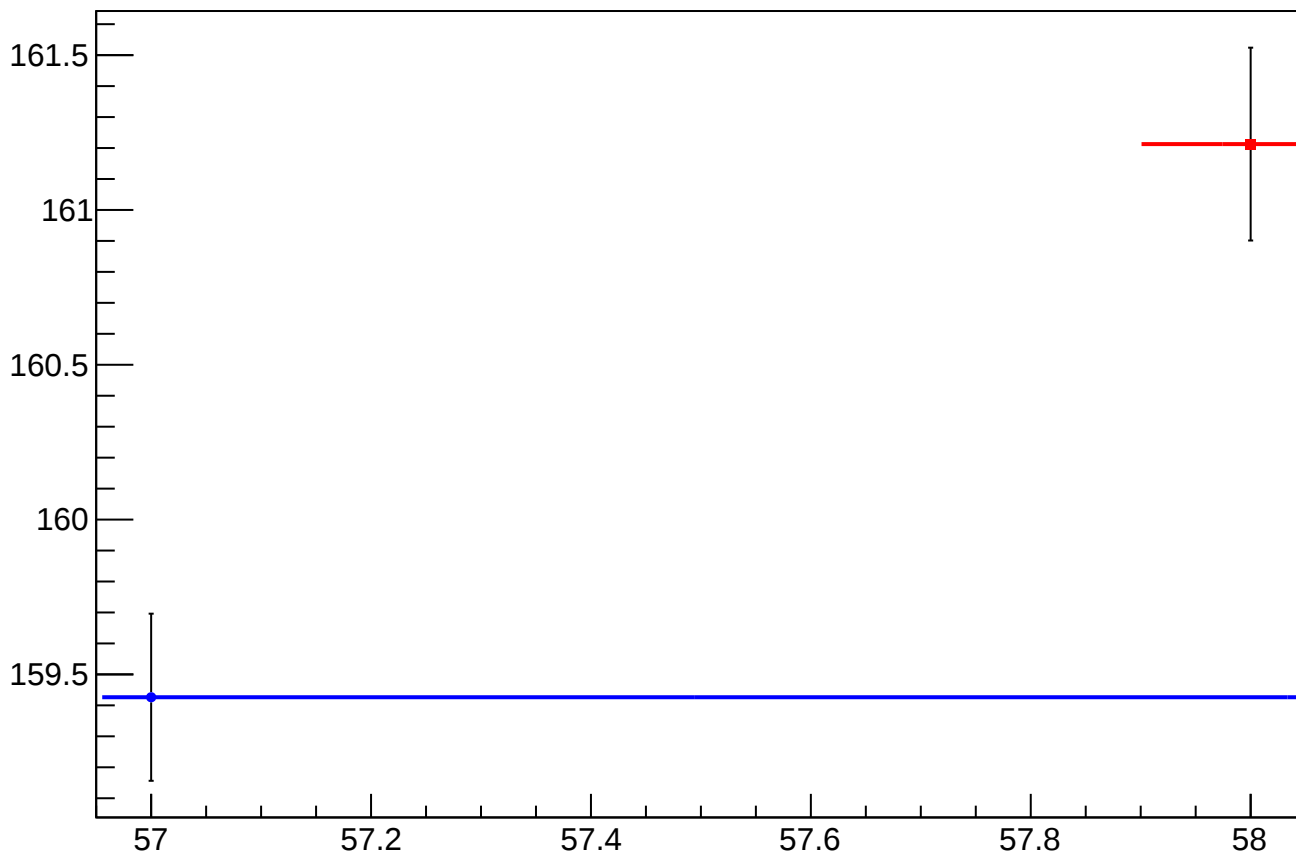
Right Out: -67.786+/-1.747 χ^2/NDF : 0.0/0

Left In: 0.000+/-0.000 χ^2/NDF : 0.0/0

-56.962+/-1.343 χ^2/NDF : 0.0/0

-67.786+/-1.747 χ^2/NDF : 0.0/0

reg_asym_atl_dd_atr_dd_avg_diff_bpm11X_slope vs slug



Right In: 159.426 $\pm$ 0.270 χ^2 /NDF: 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

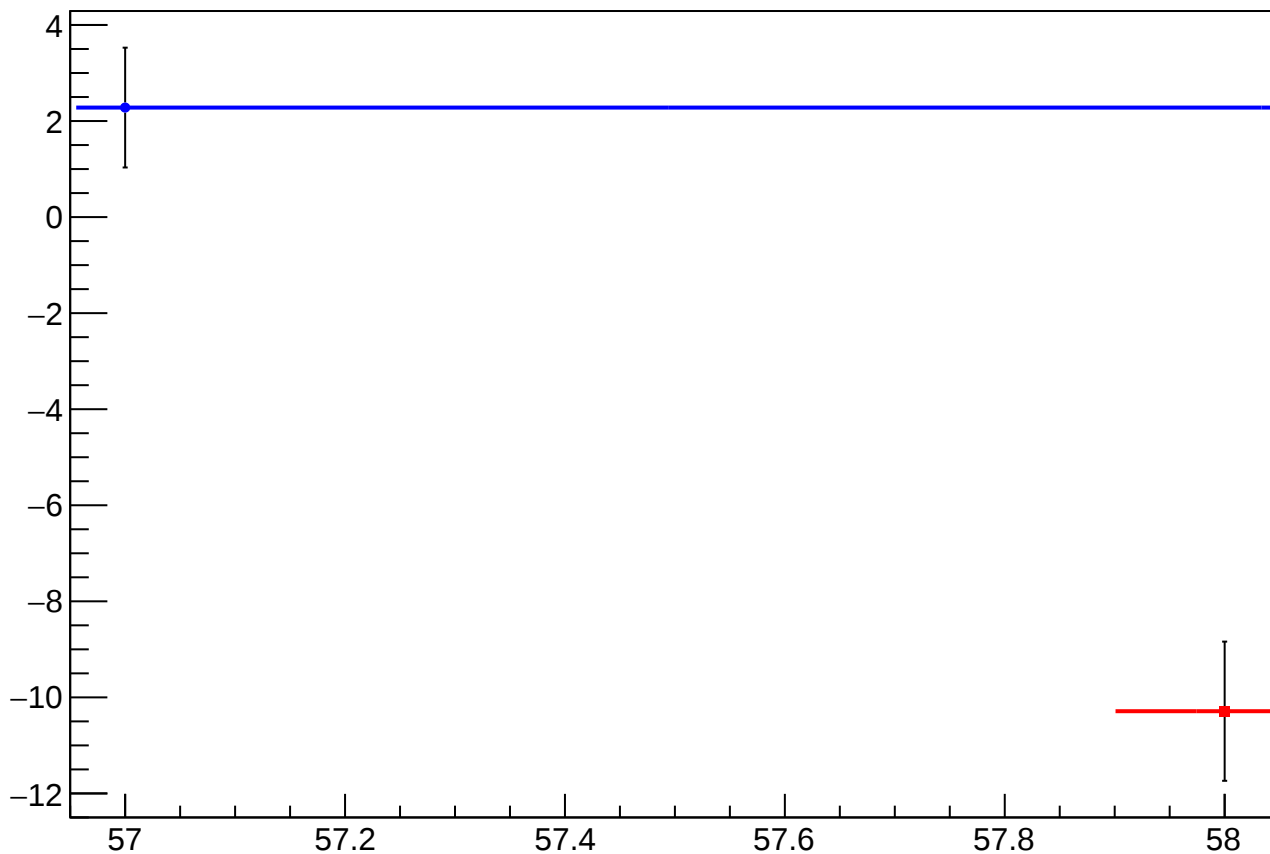
Right Out: 161.213 $\pm$ 0.311 χ^2 /NDF: 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2 /NDF: 0.0/0

159.426 $\pm$ 0.270 χ^2 /NDF: 0.0/0

161.213 $\pm$ 0.311 χ^2 /NDF: 0.0/0

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aX_slope vs slug



Right In: 2.280+/-1.247 χ^2 /NDF: 0.0/0

Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

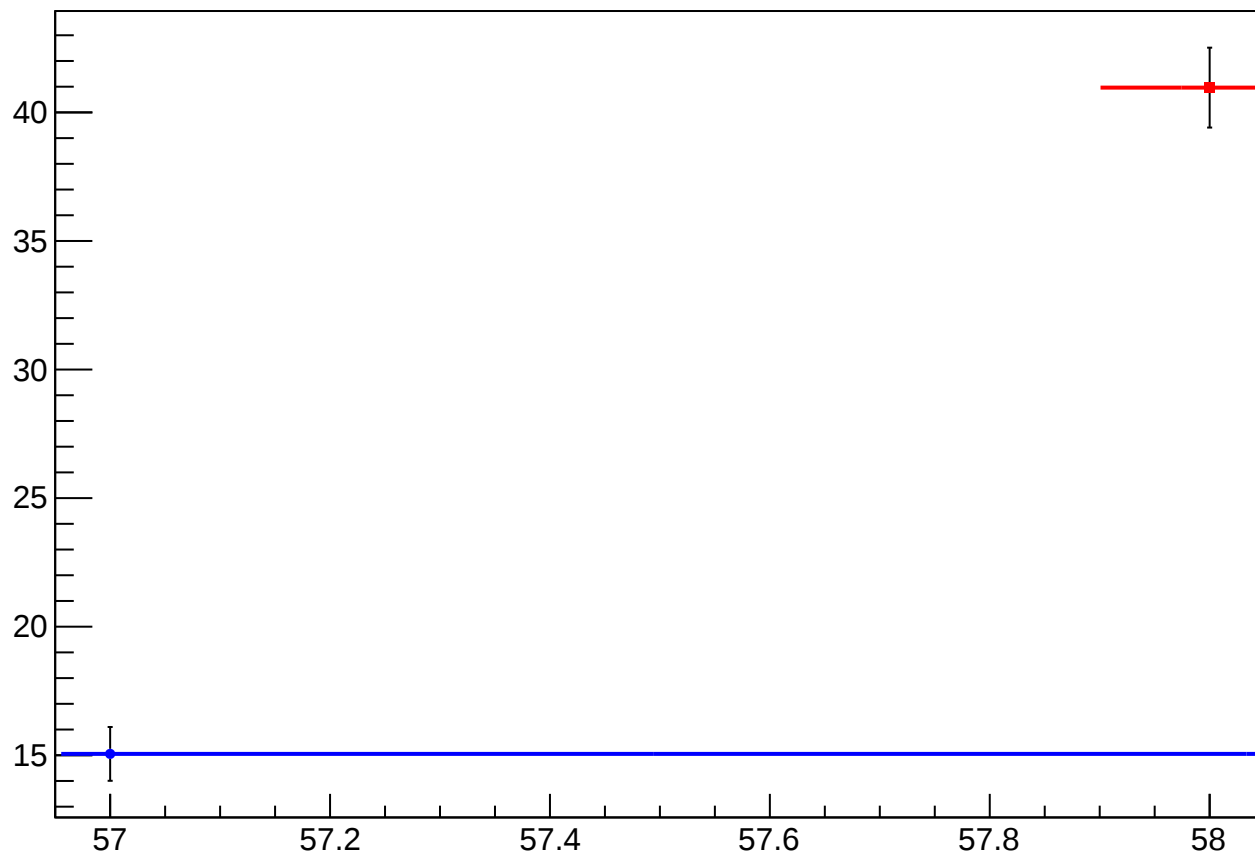
Right Out: -10.288+/-1.449 χ^2 /NDF: 0.0/0

Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

2.280+/-1.247 χ^2 /NDF: 0.0/0

-10.288+/-1.449 χ^2 /NDF: 0.0/0

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs slug



Right In: 15.053+/-1.046 χ^2 /NDF: 0.0/0

Left Out: 0.000+/-0.000 χ^2 /NDF:0.0/0

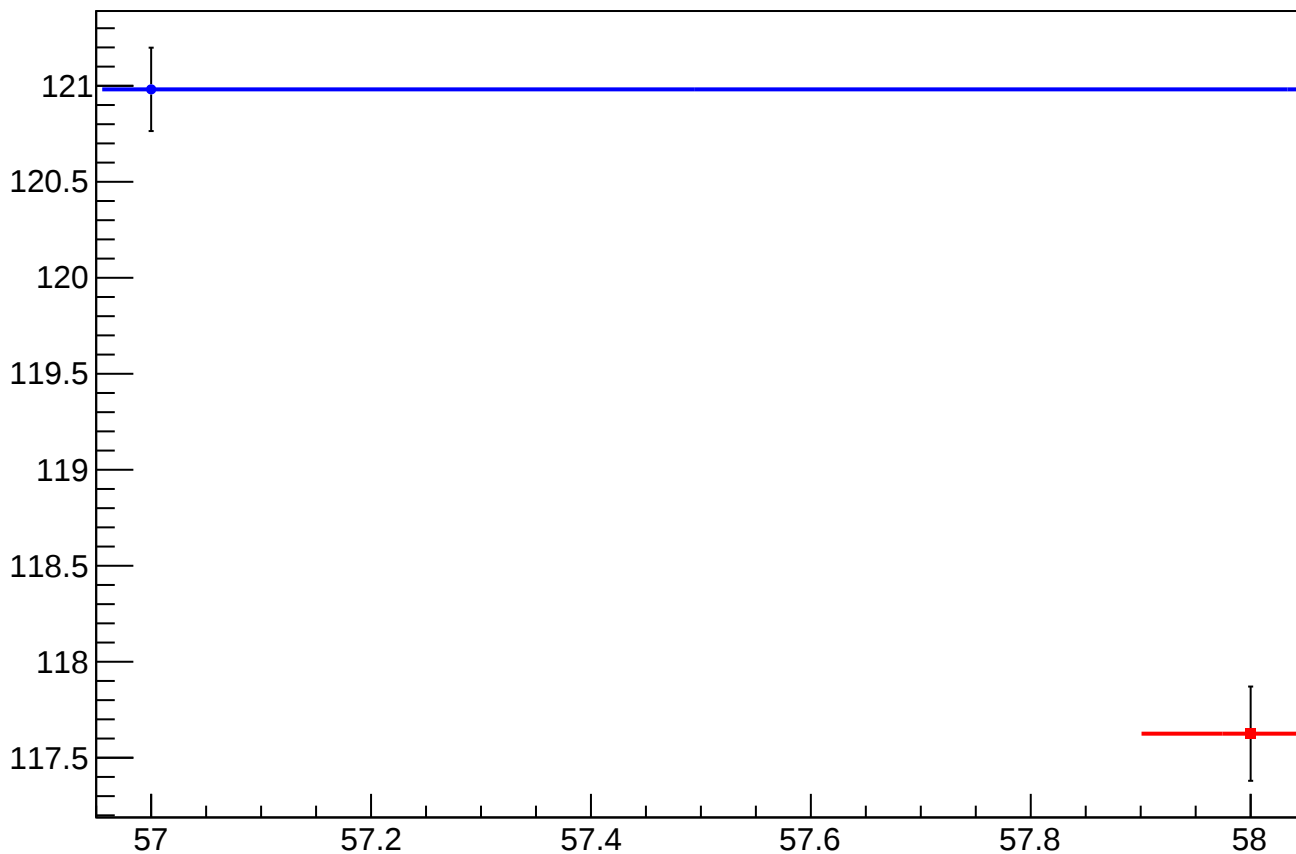
Right Out: 40.964+/-1.553 χ^2 /NDF: 0.0/0

Left In: 0.000+/-0.000 χ^2 /NDF:0.0/0

15.053+/-1.046 χ^2 /NDF: 0.0/0

40.964+/-1.553 χ^2 /NDF: 0.0/0

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs slug



Right In: 120.981 $\pm$ 0.217 χ^2/NDF : 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

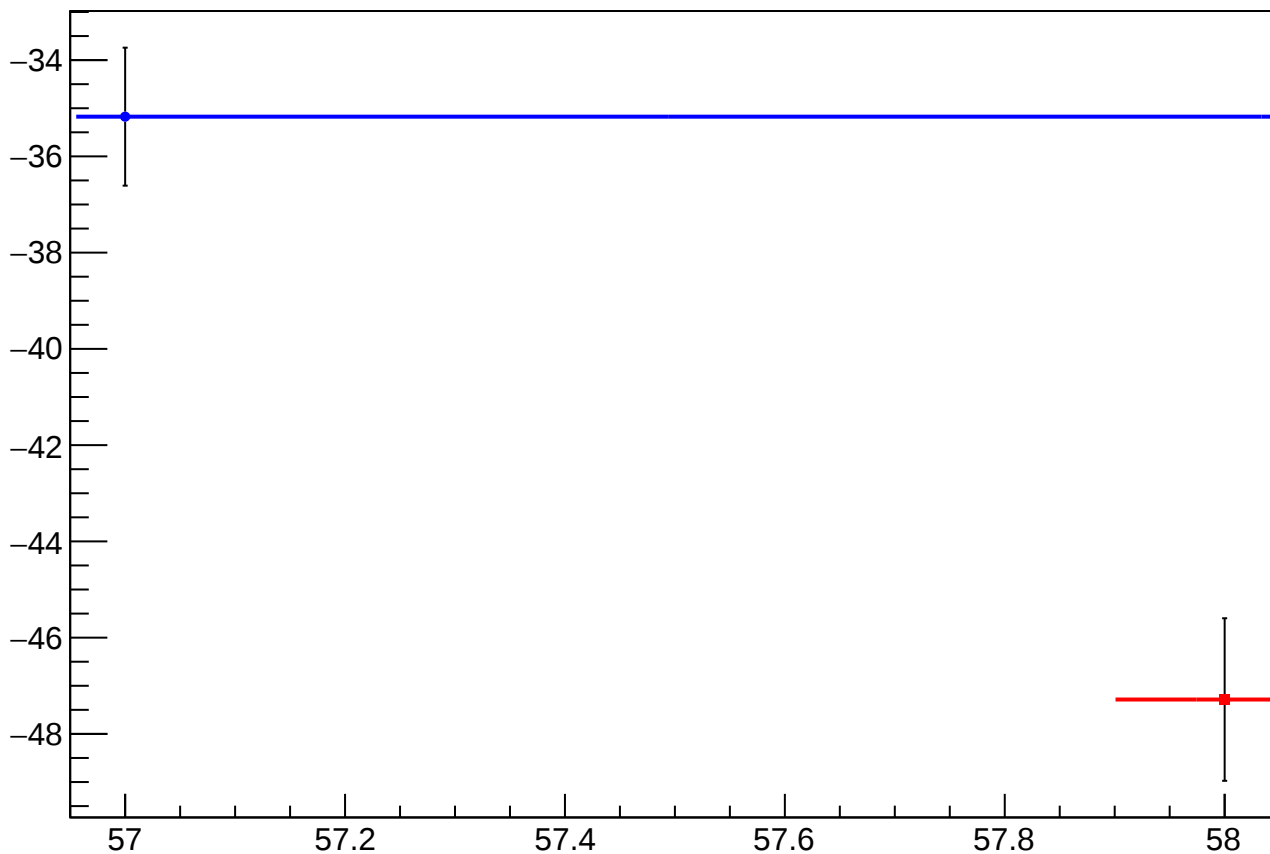
Right Out: 117.625 $\pm$ 0.245 χ^2/NDF : 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

120.981 $\pm$ 0.217 χ^2/NDF : 0.0/0

117.625 $\pm$ 0.245 χ^2/NDF : 0.0/0

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs slug



Right In: -35.175+/-1.433 χ^2 /NDF: 0.0/0

Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

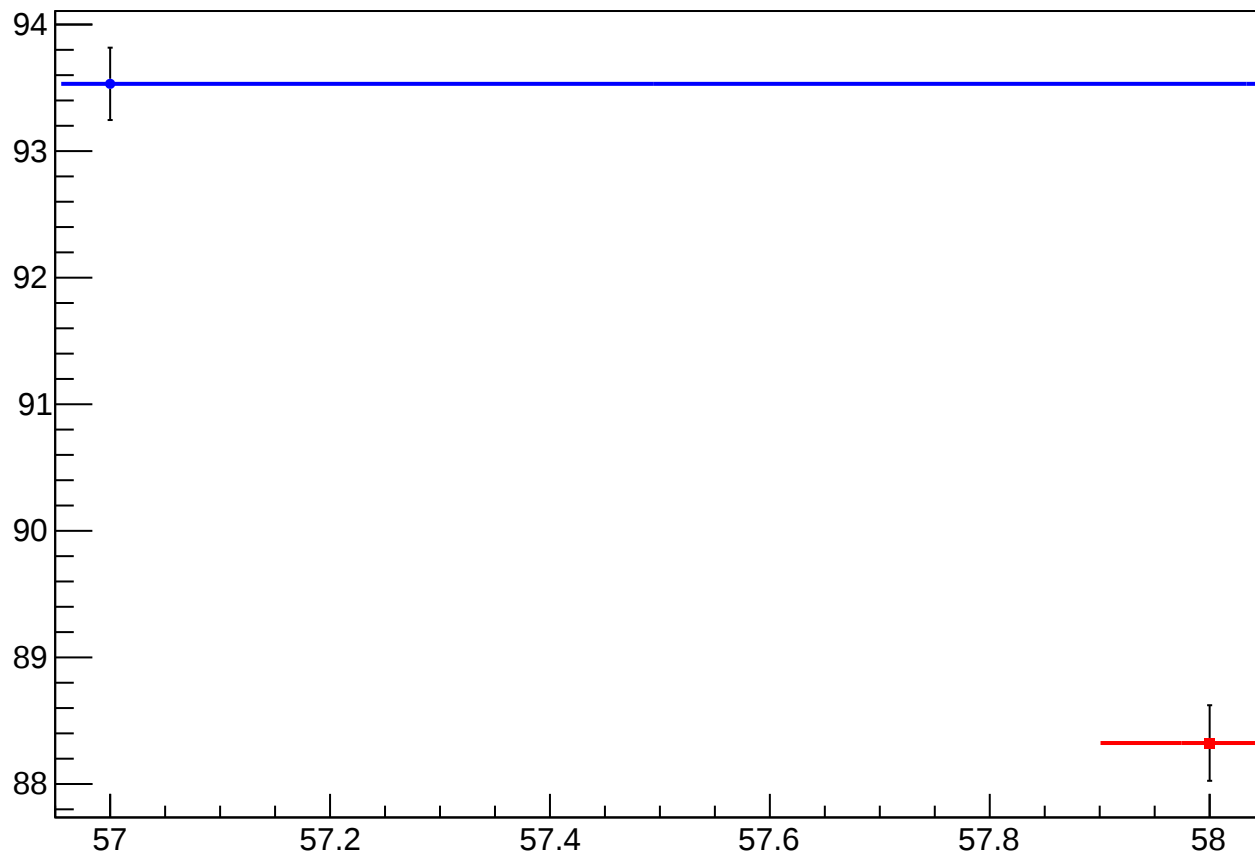
Right Out: -47.286+/-1.689 χ^2 /NDF: 0.0/0

Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

-35.175+/-1.433 χ^2 /NDF: 0.0/0

-47.286+/-1.689 χ^2 /NDF: 0.0/0

reg_asym_atl_dd_atr_dd_dd_diff_bpm11X_slope vs slug



Right In: 93.531+/-0.286 χ^2 /NDF: 0.0/0

Left Out: 0.000+/-0.000 χ^2 /NDF: 0.0/0

Right Out: 88.324+/-0.299 χ^2 /NDF: 0.0/0

Left In: 0.000+/-0.000 χ^2 /NDF: 0.0/0

93.531+/-0.286 χ^2 /NDF: 0.0/0

88.324+/-0.299 χ^2 /NDF: 0.0/0