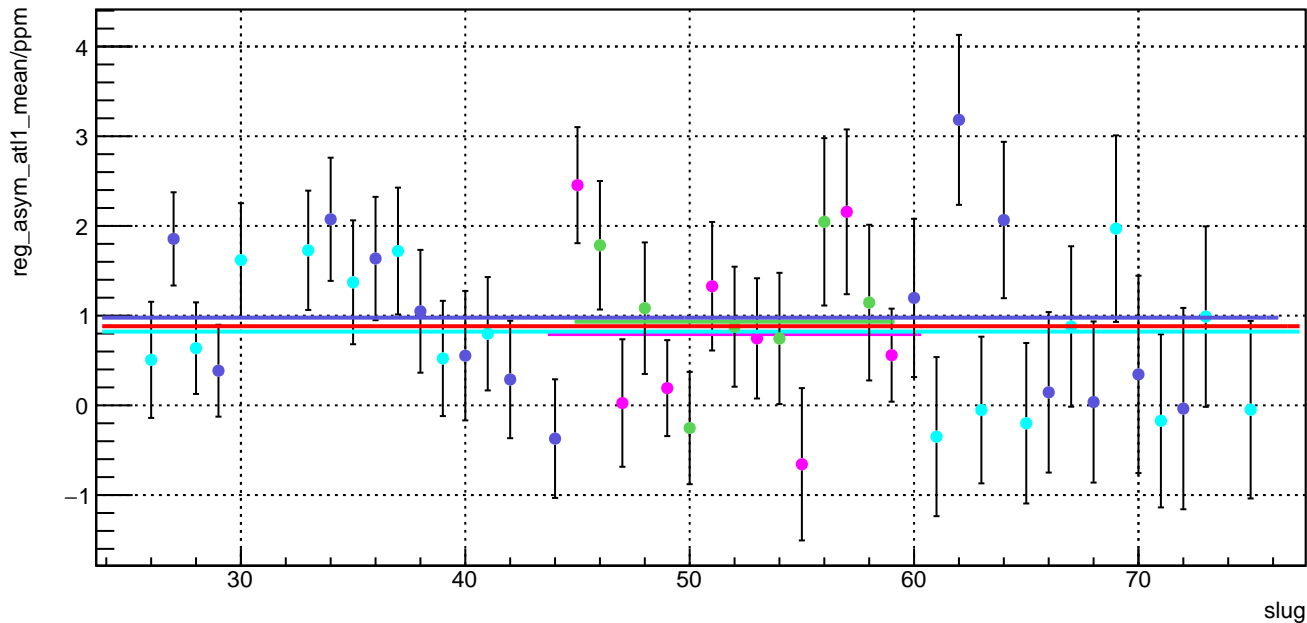


reg_asym_atl1_mean/ppm



Right IN: 0.794 ± 0.234 χ^2 /NDF: 14.9/7

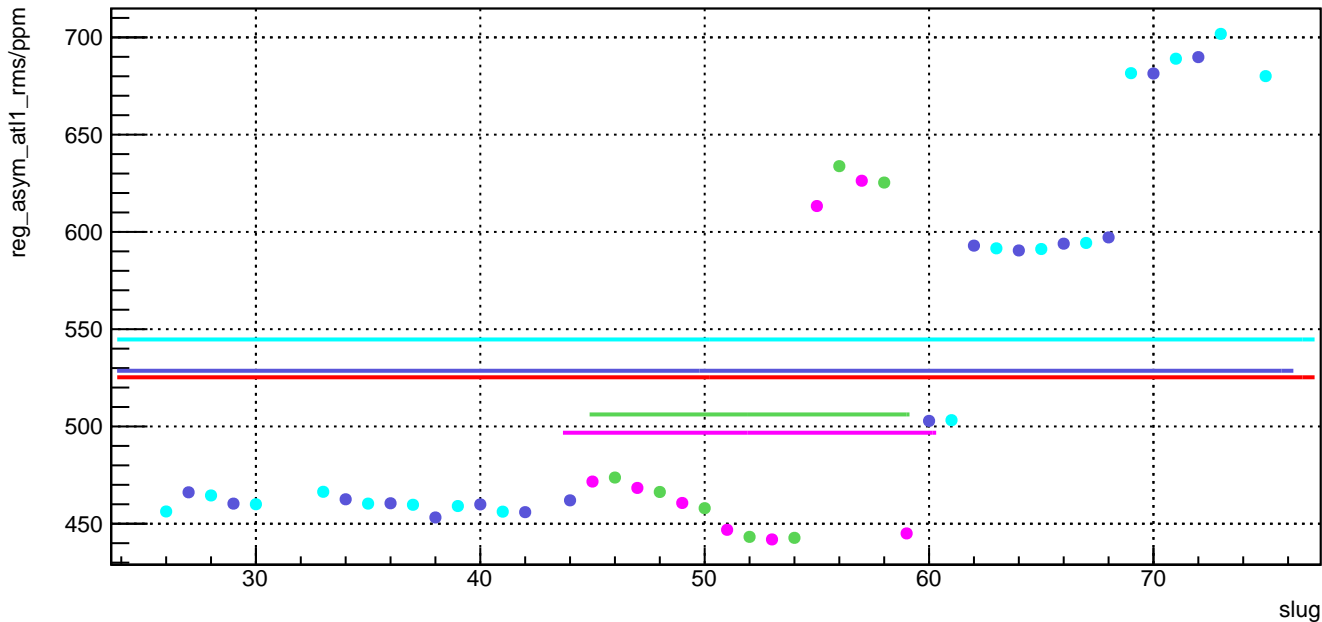
Left OUT: 0.822 ± 0.185 χ^2 /NDF: 13.6/15

Right OUT: 0.933 ± 0.278 χ^2 /NDF: 6.6/6

Left IN: 0.978 ± 0.188 χ^2 /NDF: 23.4/14

Grand: 0.882 ± 0.106 χ^2 : 59.0/45

reg_asym_atl1_rms/ppm



Right IN: 496.774 ± 27.148 χ^2/NDF : 41273.4/7

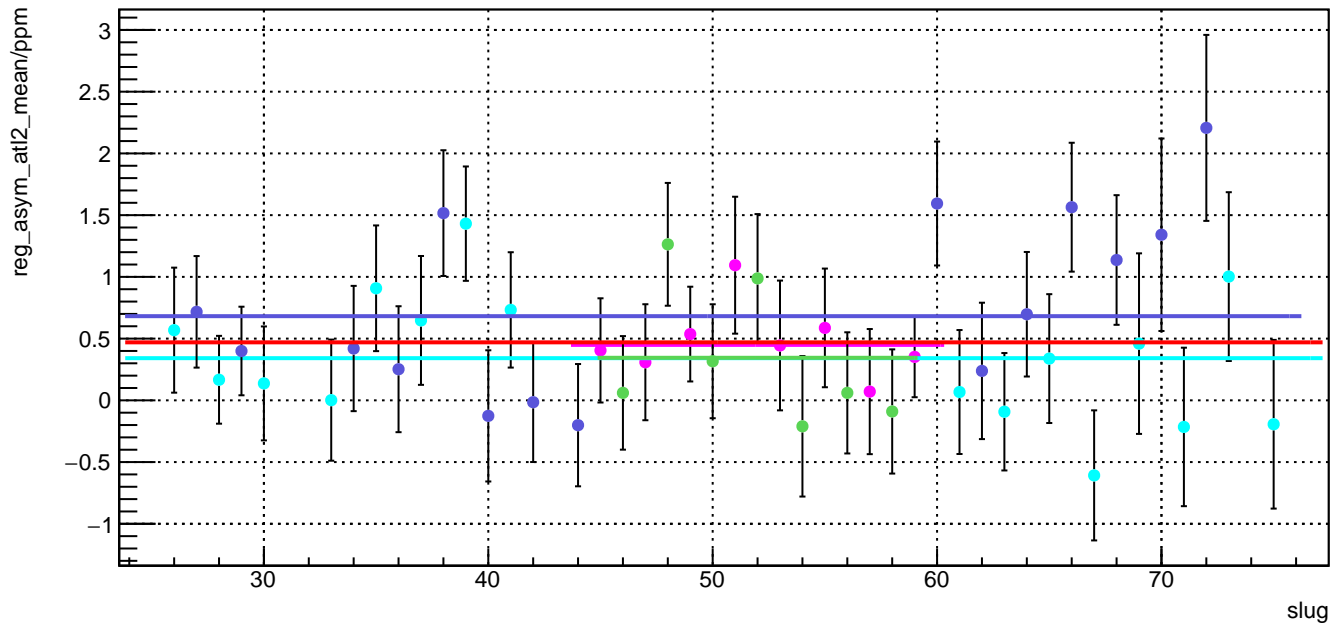
Left OUT: 544.720 ± 24.846 χ^2/NDF : 148159.1/15

Right OUT: 506.177 ± 32.161 χ^2/NDF : 43442.9/6

Left IN: 528.628 ± 22.321 χ^2/NDF : 104624.0/14

Grand: 525.269 ± 13.054 χ^2 : 352769.2/45

reg_asym_atl2_mean/ppm



Right IN: 0.449 ± 0.155 χ^2 /NDF: 2.2/7

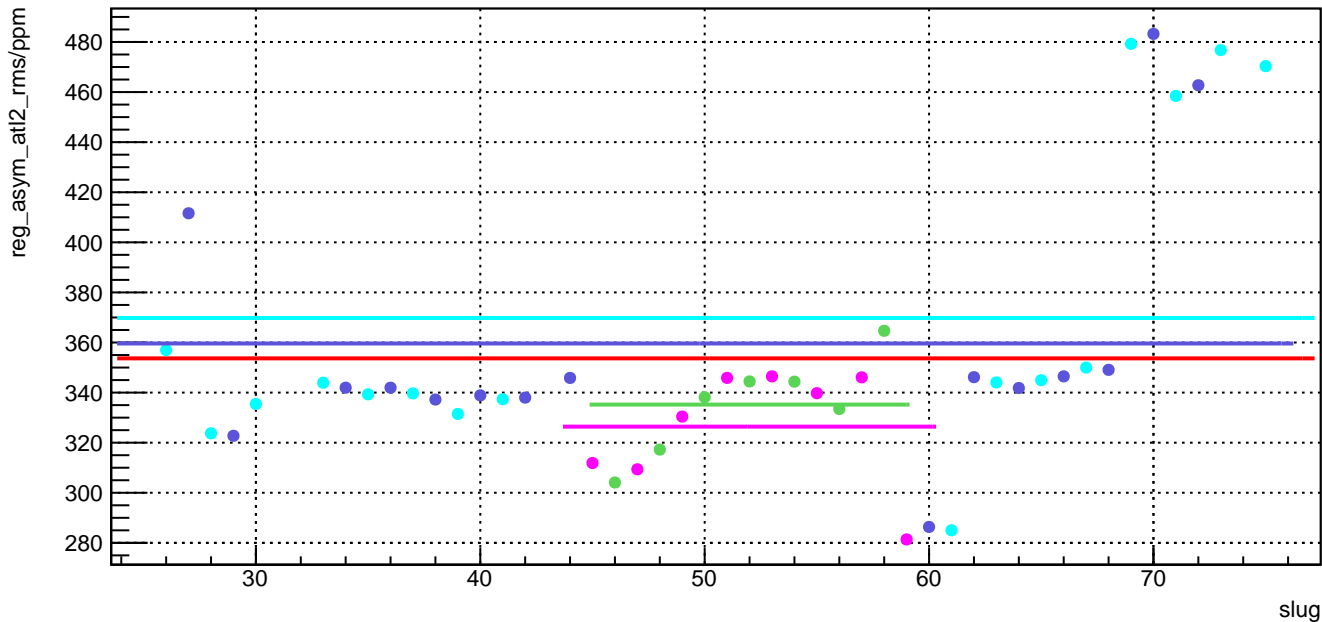
Left OUT: 0.342 ± 0.127 χ^2 /NDF: 15.6/15

Right OUT: 0.345 ± 0.188 χ^2 /NDF: 7.4/6

Left IN: 0.682 ± 0.131 χ^2 /NDF: 24.2/14

Grand: 0.470 ± 0.073 χ^2 : 53.5/45

reg_asym_atl2_rms/ppm



Right IN: 326.409 ± 8.338 χ^2 /NDF: 3893.2/7

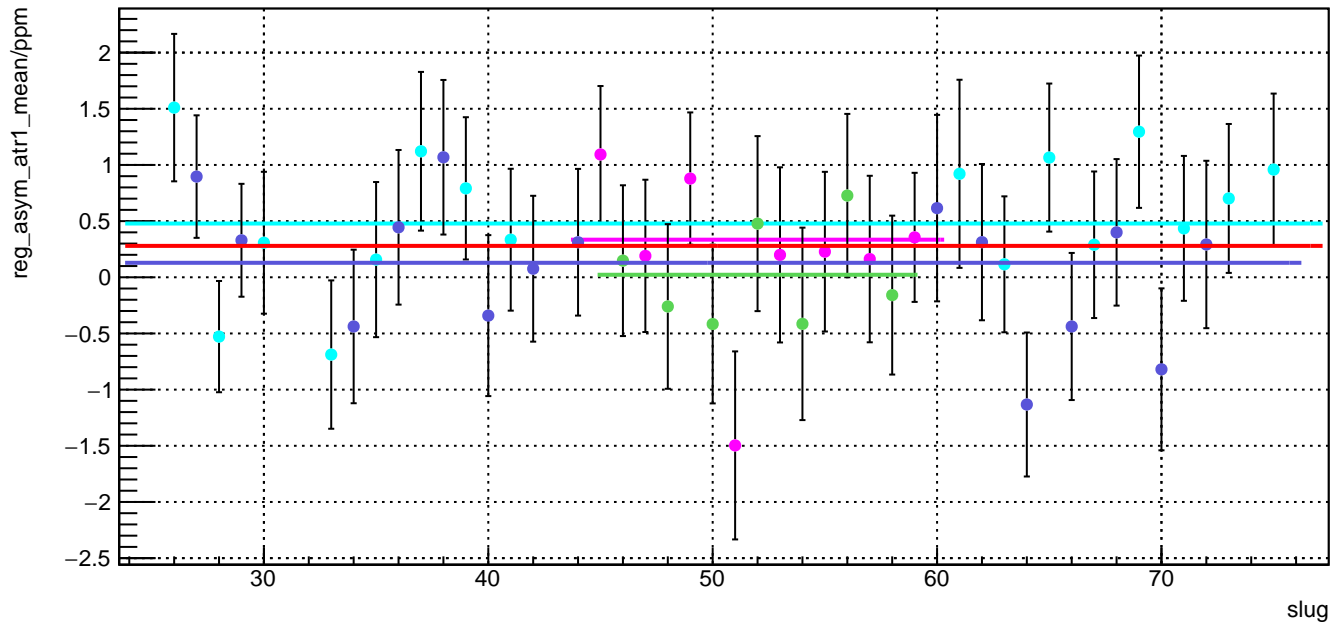
Left OUT: 369.799 ± 15.645 χ^2 /NDF: 58746.1/15

Right OUT: 335.209 ± 7.464 χ^2 /NDF: 2339.6/6

Left IN: 359.610 ± 13.510 χ^2 /NDF: 38329.5/14

Grand: 353.667 ± 7.497 χ^2 : 116331.1/45

reg_asym_atr1_mean/ppm



Right IN: 0.335 ± 0.238 χ^2 /NDF: 7.3/7

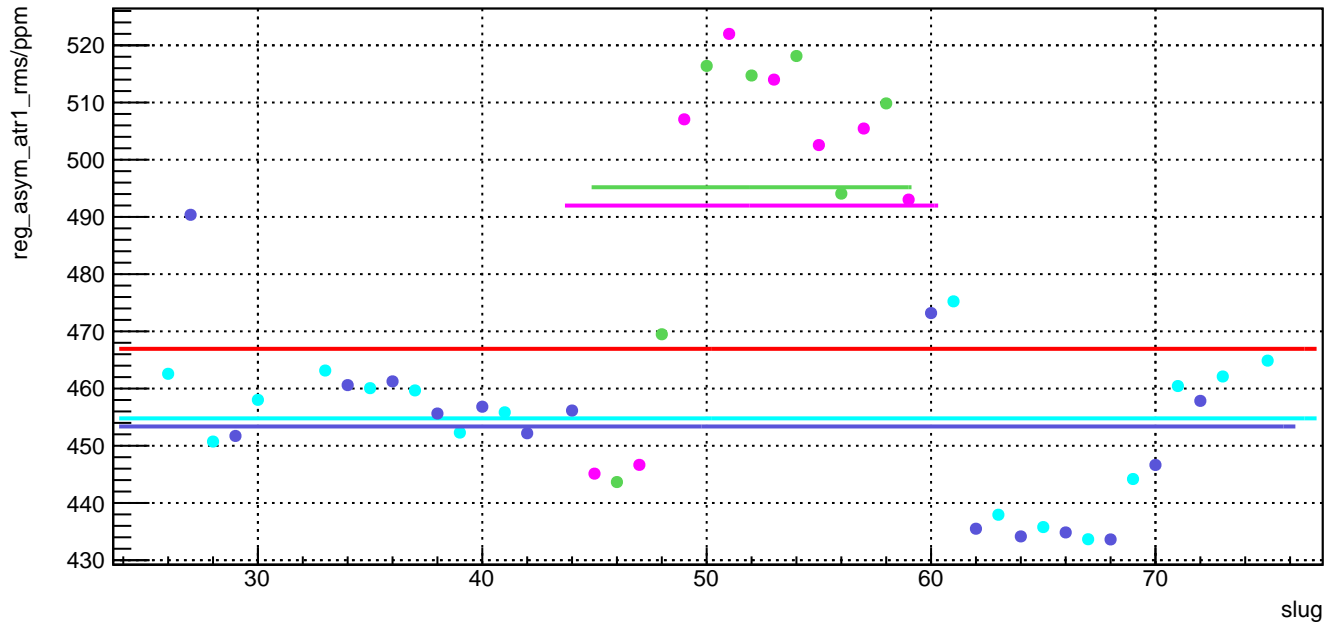
Left OUT: 0.479 ± 0.162 χ^2 /NDF: 14.7/15

Right OUT: 0.022 ± 0.277 χ^2 /NDF: 2.2/6

Left IN: 0.129 ± 0.170 χ^2 /NDF: 12.4/14

Grand: 0.280 ± 0.098 χ^2 : 39.9/45

reg_asym_atr1_rms/ppm



Right IN: 491.987 ± 10.485 χ^2/NDF : 6156.9/7

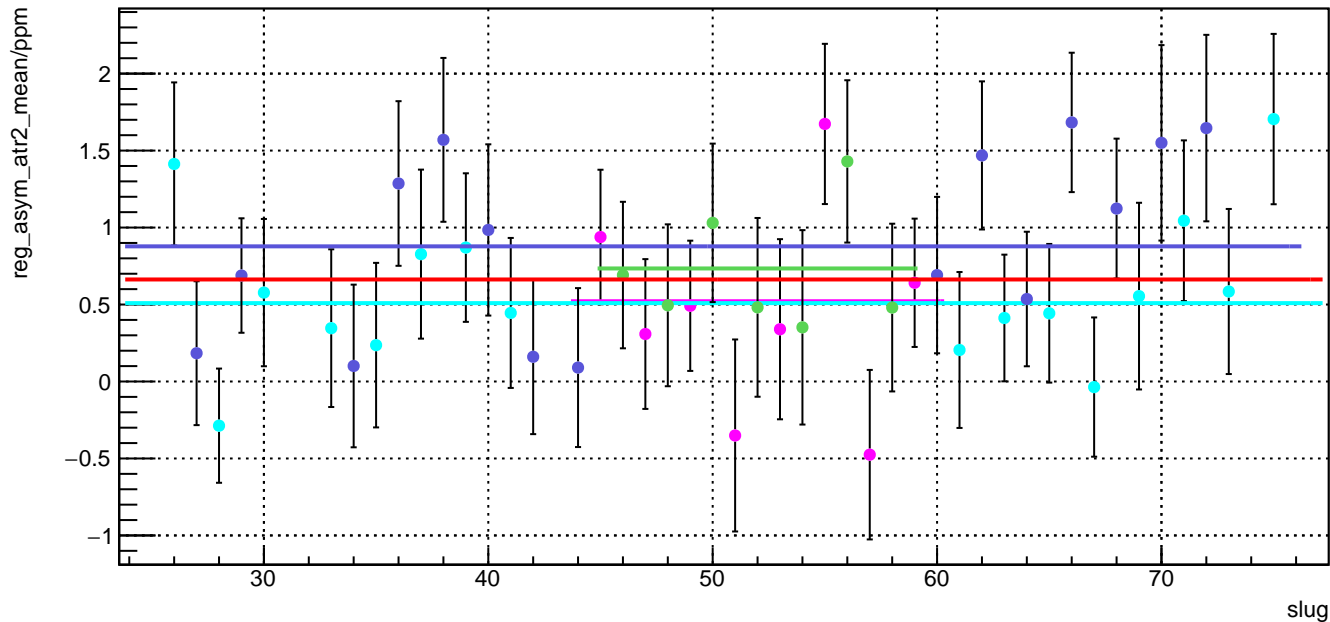
Left OUT: 454.791 ± 2.905 χ^2/NDF : 2026.0/15

Right OUT: 495.188 ± 10.790 χ^2/NDF : 4889.4/6

Left IN: 453.372 ± 4.019 χ^2/NDF : 3392.2/14

Grand: 466.945 ± 3.944 χ^2 : 32192.0/45

reg_asym_atr2_mean/ppm



Right IN: 0.521 ± 0.173 χ^2/NDF : 11.4/7

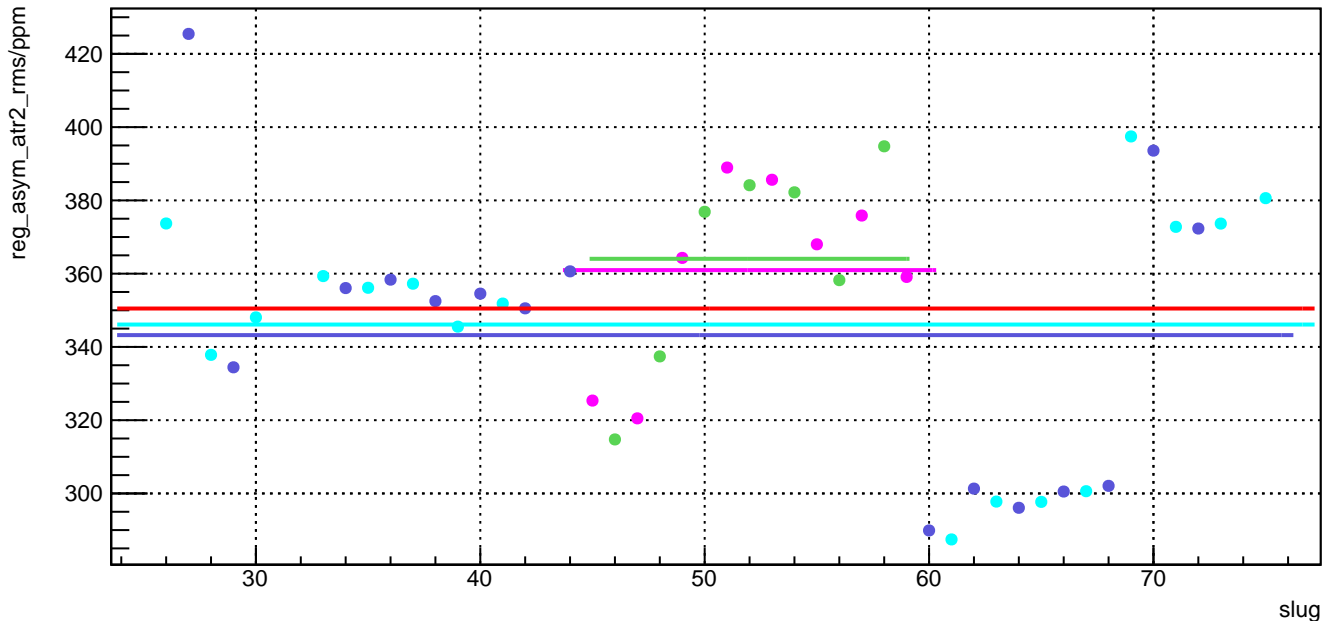
Left OUT: 0.509 ± 0.122 χ^2/NDF : 16.4/15

Right OUT: 0.734 ± 0.203 χ^2/NDF : 3.1/6

Left IN: 0.878 ± 0.127 χ^2/NDF : 19.7/14

Grand: 0.663 ± 0.073 χ^2 : 55.9/45

reg_asym_atr2_rms/ppm



Right IN: 360.968 ± 9.048 χ^2 /NDF: 4584.6/7

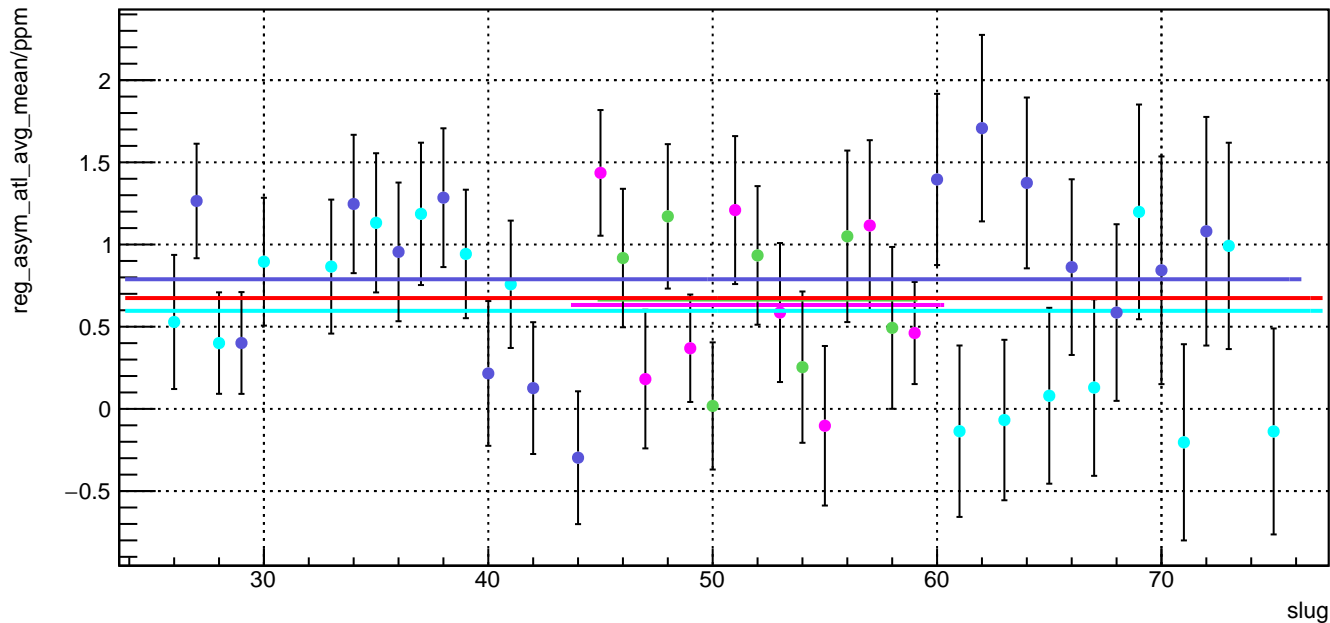
Left OUT: 346.111 ± 8.355 χ^2 /NDF: 16754.4/15

Right OUT: 364.057 ± 10.928 χ^2 /NDF: 5015.8/6

Left IN: 343.224 ± 10.124 χ^2 /NDF: 21525.0/14

Grand: 350.484 ± 4.971 χ^2 : 51145.4/45

reg_asym_atl_avg_mean/ppm



Right IN: 0.632 ± 0.140 χ^2/NDF : 11.3/7

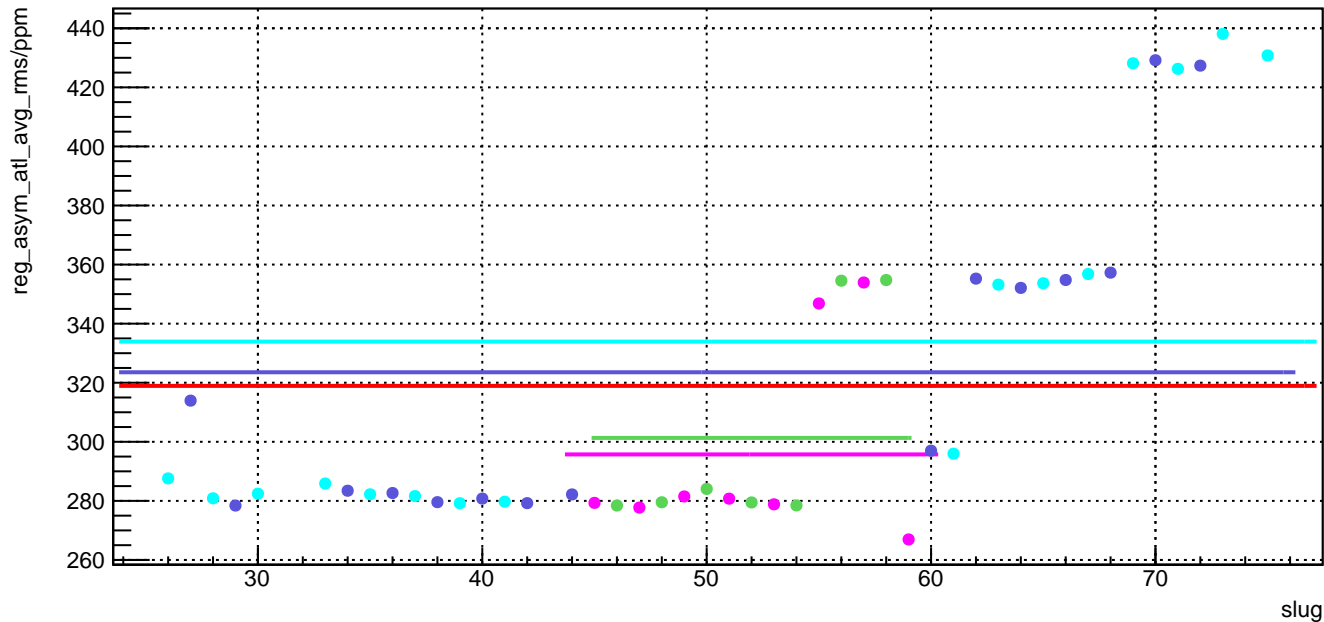
Left OUT: 0.597 ± 0.113 χ^2/NDF : 15.8/15

Right OUT: 0.665 ± 0.167 χ^2/NDF : 6.4/6

Left IN: 0.789 ± 0.116 χ^2/NDF : 23.4/14

Grand: 0.674 ± 0.065 χ^2 : 58.4/45

reg_asym_atl_avg_rms/ppm



Right IN: 295.735 ± 12.052 χ^2/NDF : 8134.1/7

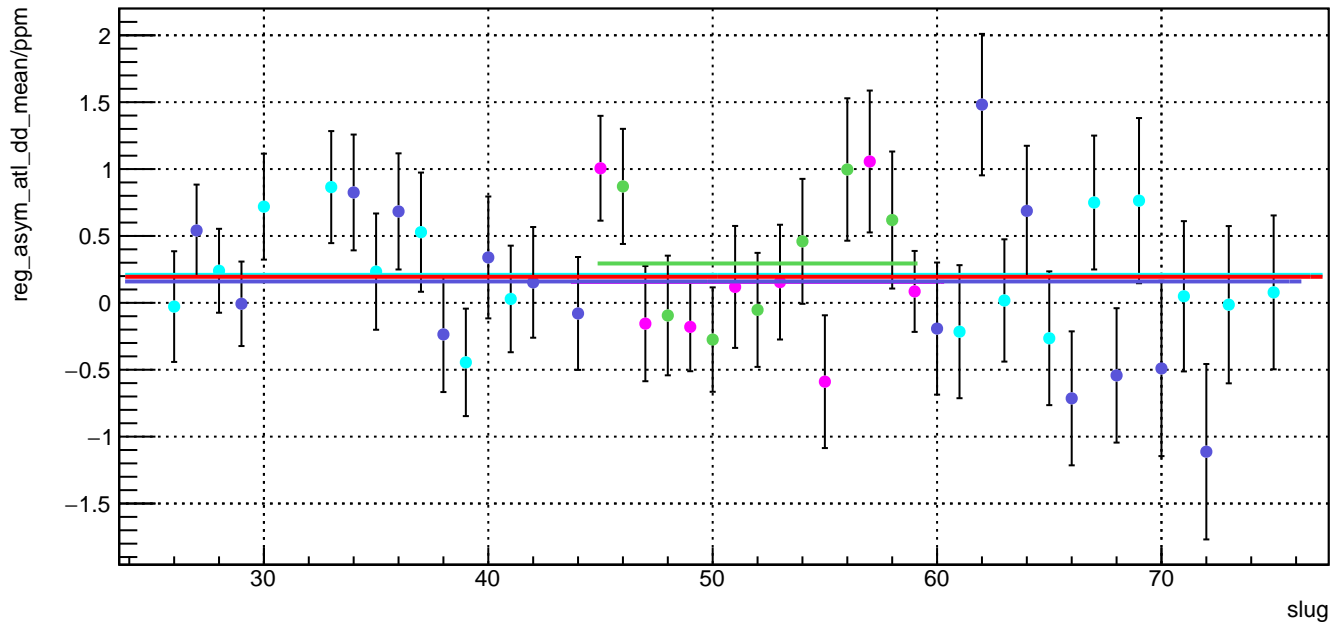
Left OUT: 333.913 ± 16.025 χ^2/NDF : 61628.3/15

Right OUT: 301.322 ± 13.788 χ^2/NDF : 7985.1/6

Left IN: 323.542 ± 13.701 χ^2/NDF : 39420.6/14

Grand: 318.932 ± 7.850 χ^2 : 127553.1/45

reg_asym_atl_dd_mean/ppm



Right IN: 0.156 ± 0.142 χ^2 /NDF: 11.5/7

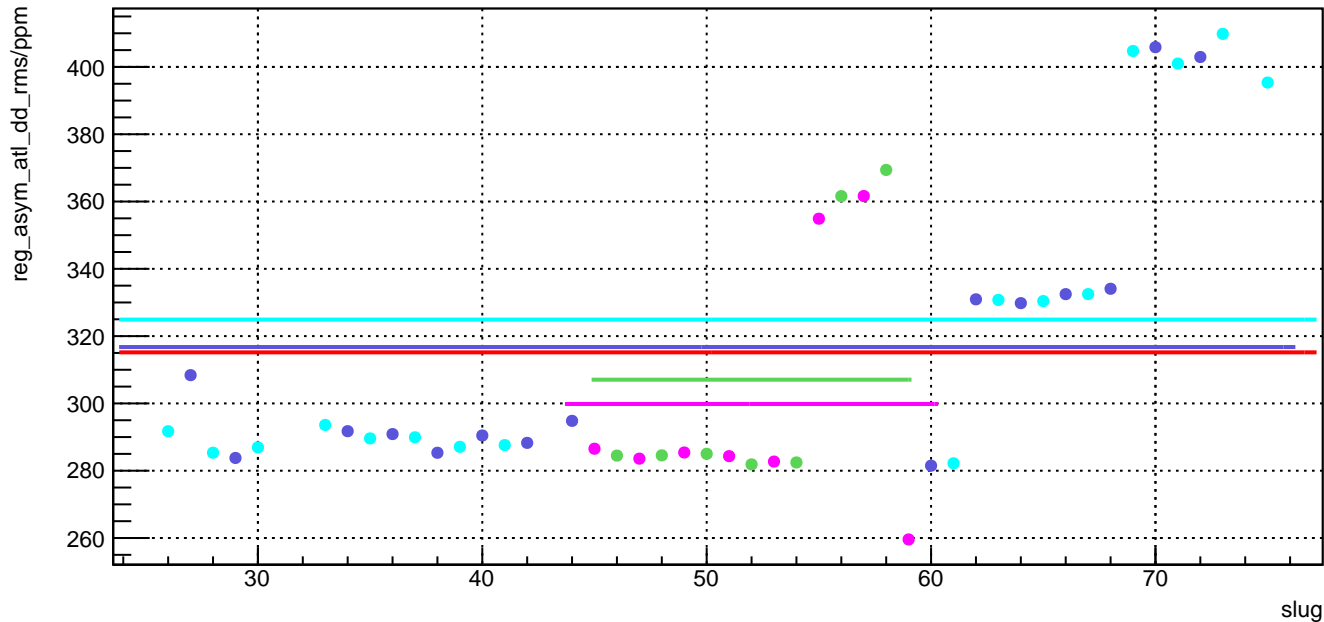
Left OUT: 0.209 ± 0.112 χ^2 /NDF: 11.9/15

Right OUT: 0.294 ± 0.170 χ^2 /NDF: 7.6/6

Left IN: 0.160 ± 0.115 χ^2 /NDF: 24.3/14

Grand: 0.195 ± 0.065 χ^2 : 55.8/45

reg_asym_atl_dd_rms/ppm



Right IN: 299.836 ± 13.130 χ^2 /NDF: 9654.17

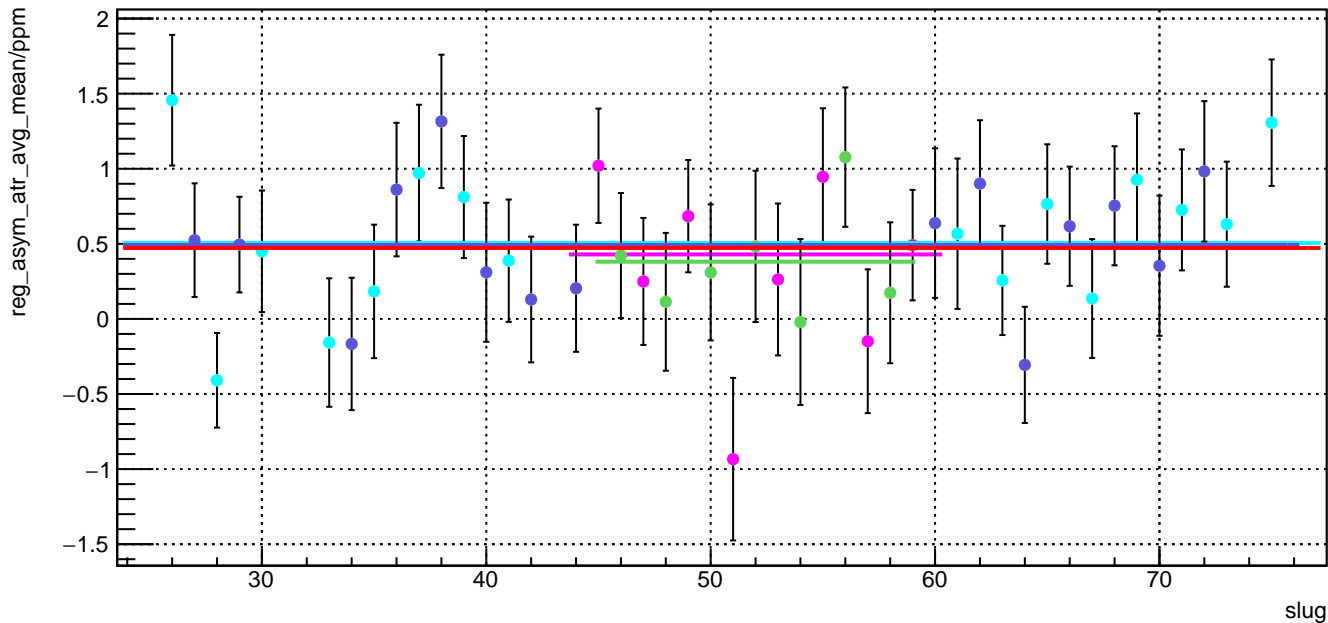
Left OUT: 324.918 ± 12.359 χ^2 /NDF: 36659.2/15

Right OUT: 307.058 ± 15.119 χ^2 /NDF: 9600.3/6

Left IN: 316.755 ± 10.455 χ^2 /NDF: 22955.1/14

Grand: 315.176 ± 6.323 χ^2 : 82768.6/45

reg_asym_atr_avg_mean/ppm



Right IN: 0.429 ± 0.152 χ^2/NDF : 12.3/7

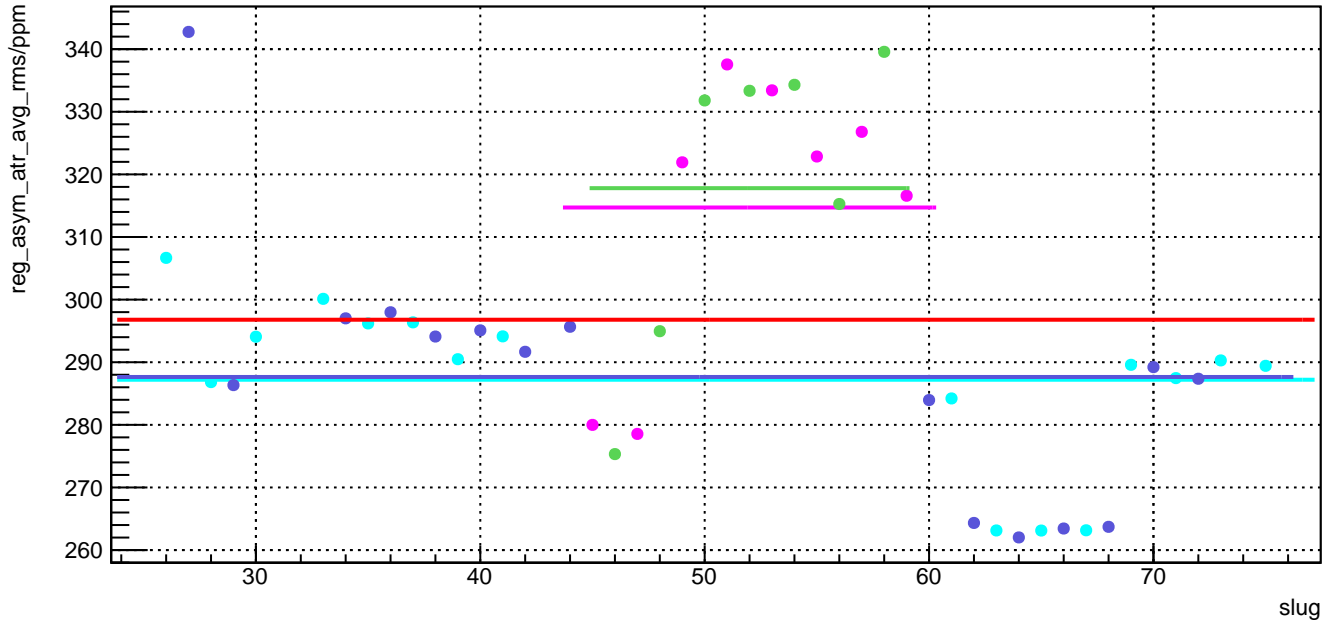
Left OUT: 0.506 ± 0.102 χ^2/NDF : 24.5/15

Right OUT: 0.381 ± 0.177 χ^2/NDF : 3.4/6

Left IN: 0.492 ± 0.108 χ^2/NDF : 14.7/14

Grand: 0.473 ± 0.062 χ^2 : 55.4/45

reg_asym_atr_avg_rms/ppm



Right IN: 314.711 ± 8.076 χ^2/NDF : 3652.4/7

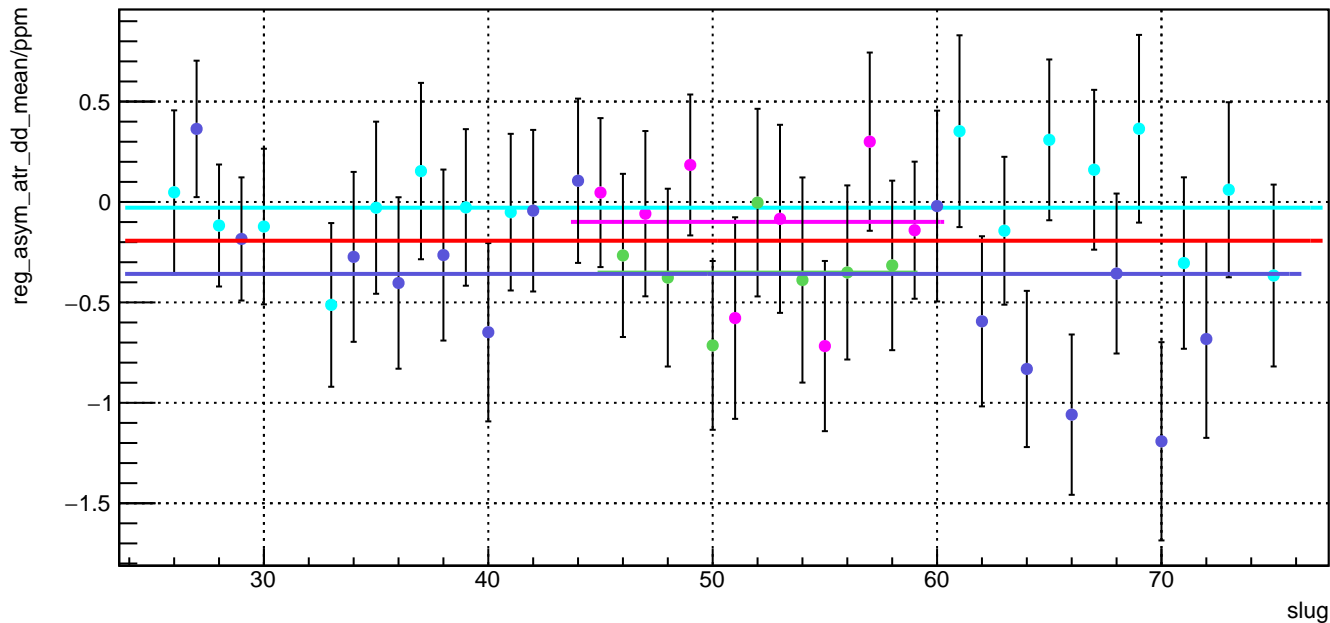
Left OUT: 287.205 ± 3.281 χ^2/NDF : 2583.2/15

Right OUT: 317.799 ± 9.150 χ^2/NDF : 3516.2/6

Left IN: 287.644 ± 5.249 χ^2/NDF : 5785.4/14

Grand: 296.787 ± 3.399 χ^2 : 23920.6/45

reg_asym_atr_dd_mean/ppm



Right IN: -0.099 ± 0.143 χ^2/NDF : 4.7/7

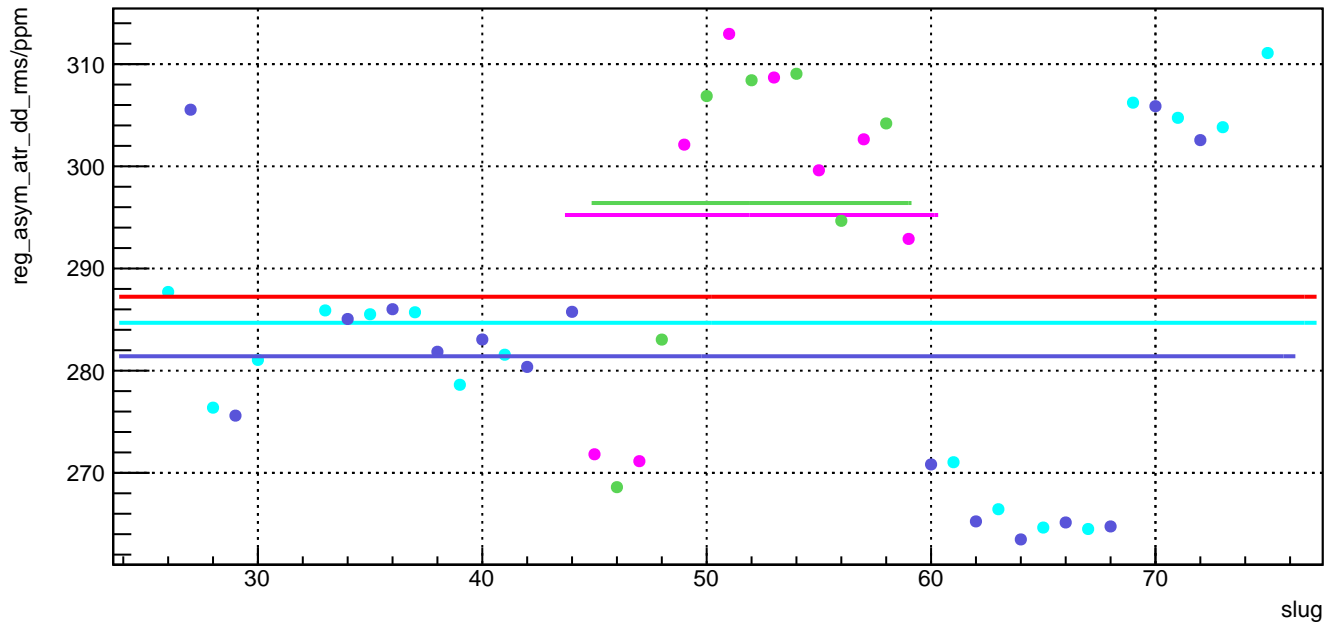
Left OUT: -0.028 ± 0.101 χ^2/NDF : 5.2/15

Right OUT: -0.352 ± 0.166 χ^2/NDF : 1.4/6

Left IN: -0.358 ± 0.105 χ^2/NDF : 15.9/14

Grand: -0.193 ± 0.060 χ^2 : 33.6/45

reg_asym_atr_dd_rms/ppm



Right IN: $295.235 \pm 5.591 \chi^2/\text{NDF}: 1750.7/7$

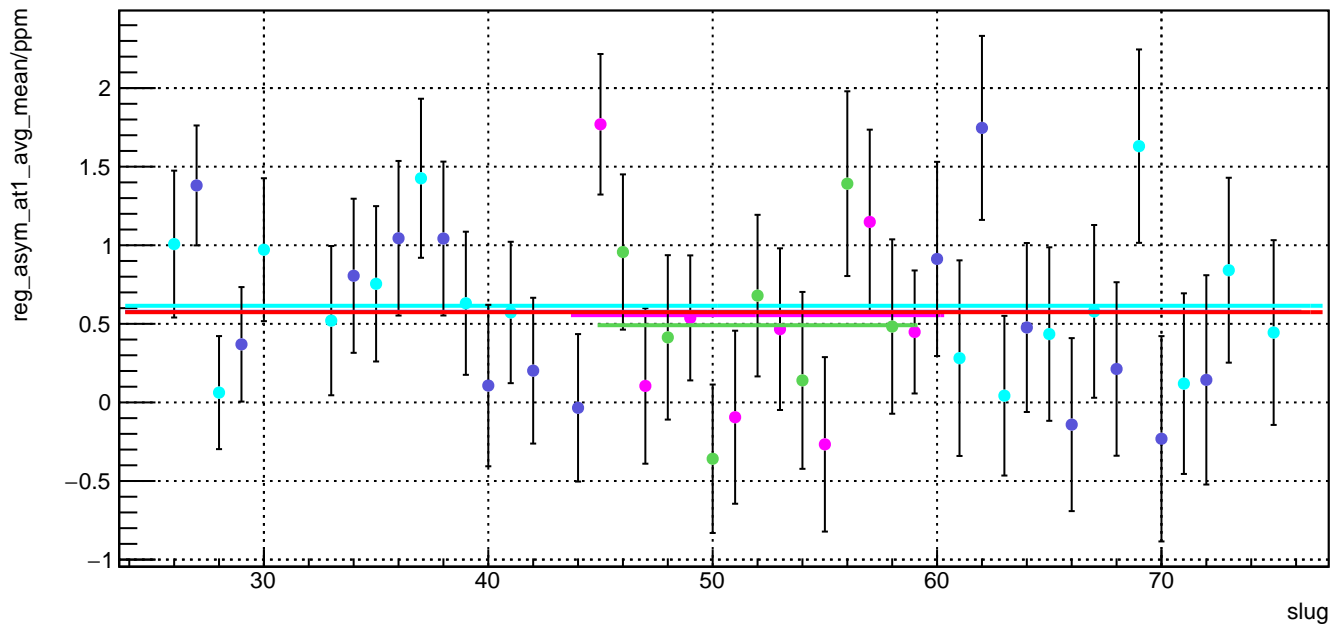
Left OUT: $284.687 \pm 3.763 \chi^2/\text{NDF}: 3398.6/15$

Right OUT: $296.408 \pm 5.834 \chi^2/\text{NDF}: 1429.3/6$

Left IN: $281.411 \pm 3.752 \chi^2/\text{NDF}: 2956.1/14$

Grand: $287.237 \pm 2.331 \chi^2: 11248.4/45$

reg_asym_at1_avg_mean/ppm



Right IN: 0.555 ± 0.169 χ^2/NDF : 12.9/7

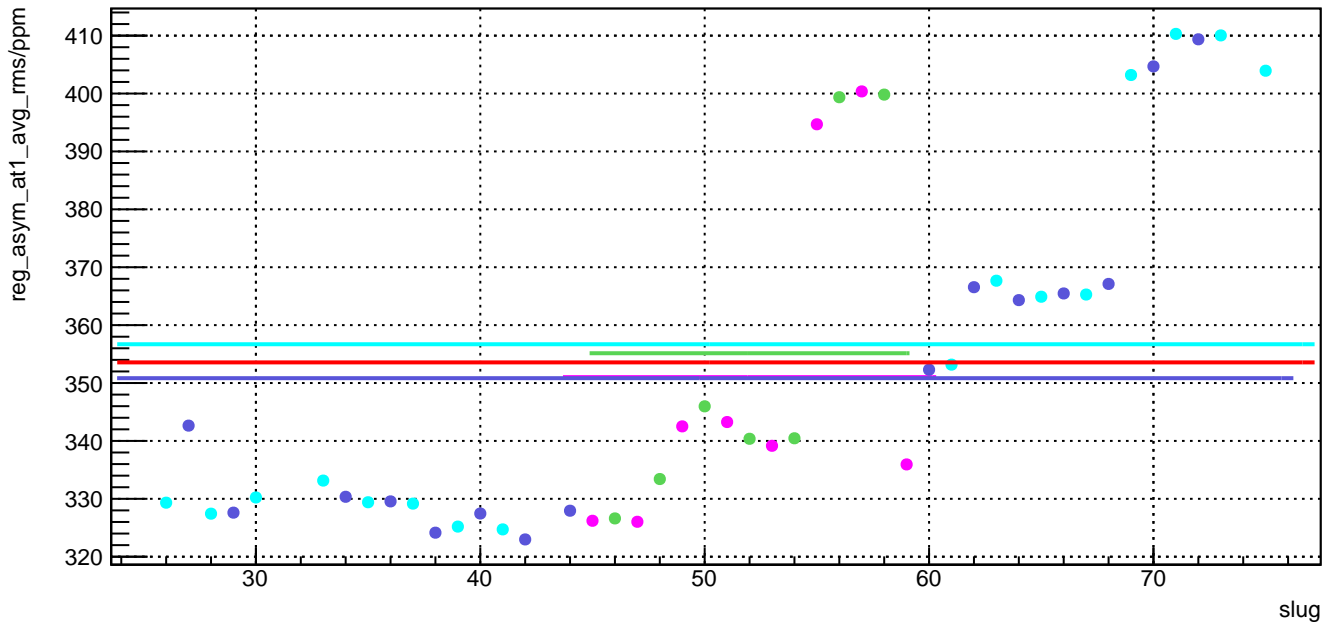
Left OUT: 0.615 ± 0.125 χ^2/NDF : 11.7/15

Right OUT: 0.491 ± 0.199 χ^2/NDF : 7.0/6

Left IN: 0.577 ± 0.129 χ^2/NDF : 18.4/14

Grand: 0.574 ± 0.074 χ^2 : 50.4/45

reg_asym_at1_avg_rms/ppm



Right IN: 351.023 ± 10.422 χ^2/NDF : 6082.9/7

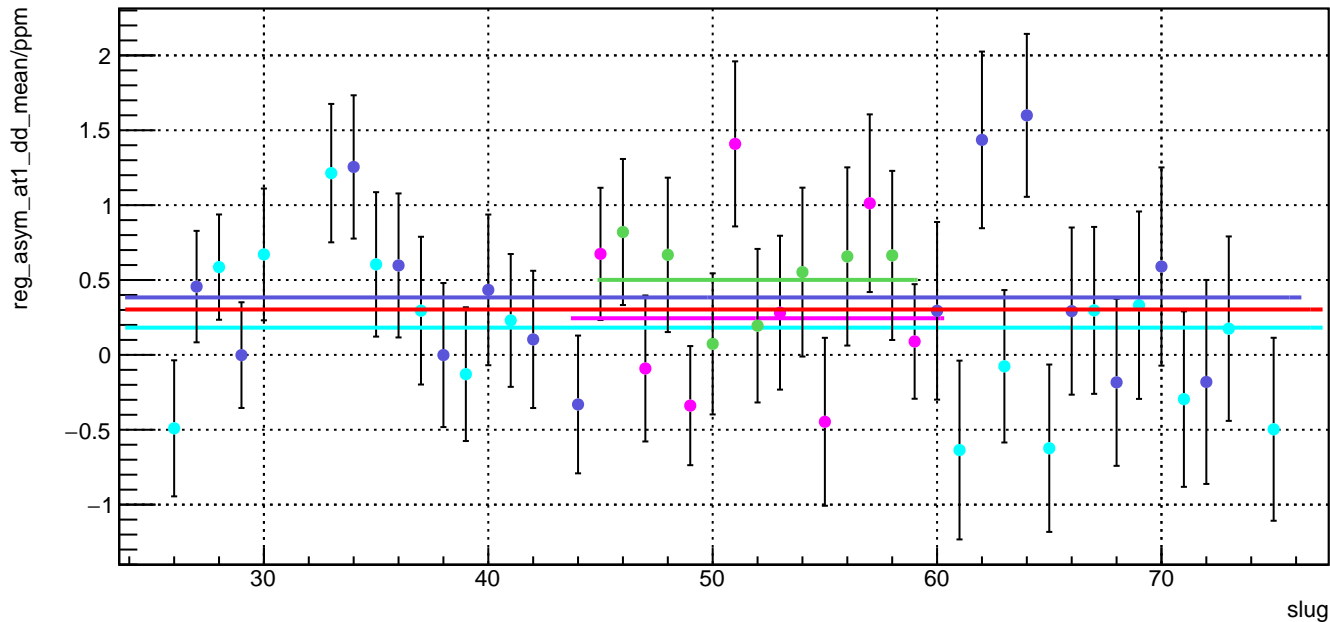
Left OUT: 356.698 ± 8.358 χ^2/NDF : 16764.0/15

Right OUT: 355.145 ± 11.705 χ^2/NDF : 5754.8/6

Left IN: 350.836 ± 7.327 χ^2/NDF : 11273.3/14

Grand: 353.563 ± 4.408 χ^2 : 40213.0/45

reg_asym_at1_dd_mean/ppm



Right IN: 0.245 ± 0.168 χ^2/NDF : 11.4/7

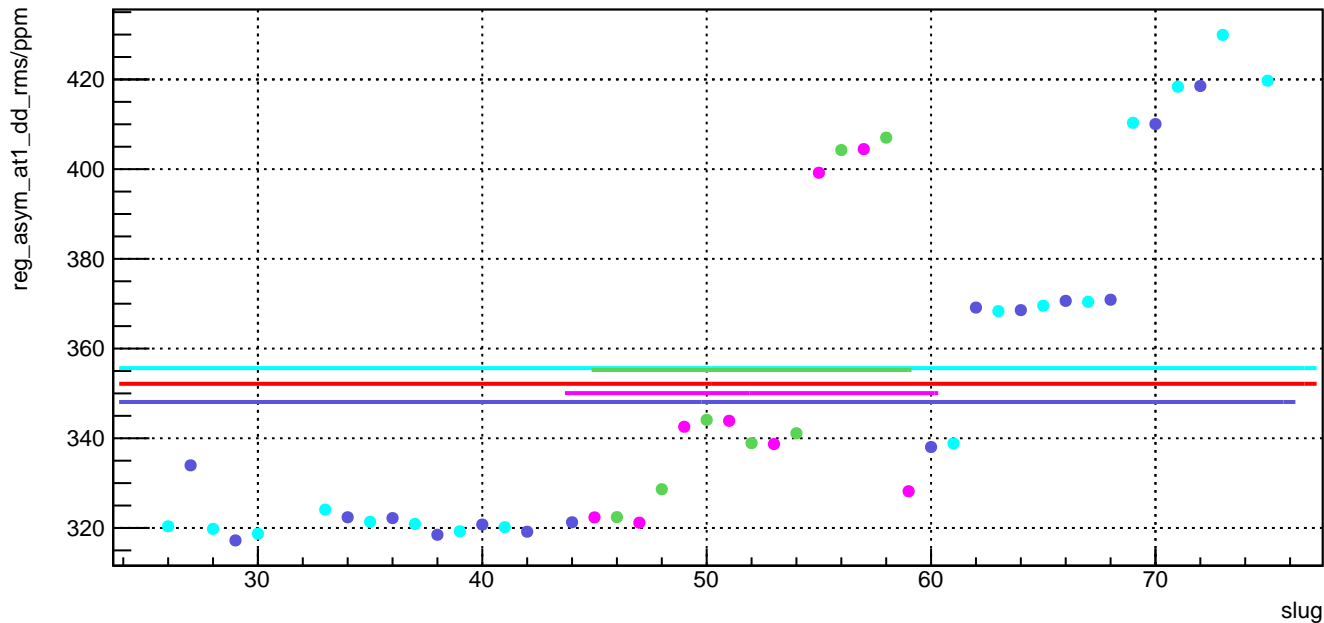
Left OUT: 0.182 ± 0.124 χ^2/NDF : 17.3/15

Right OUT: 0.501 ± 0.199 χ^2/NDF : 1.9/6

Left IN: 0.384 ± 0.127 χ^2/NDF : 18.2/14

Grand: 0.303 ± 0.073 χ^2 : 51.2/45

reg_asym_at1_dd_rms/ppm



Right IN: 350.068 ± 11.709 χ^2/NDF : 7677.7/7

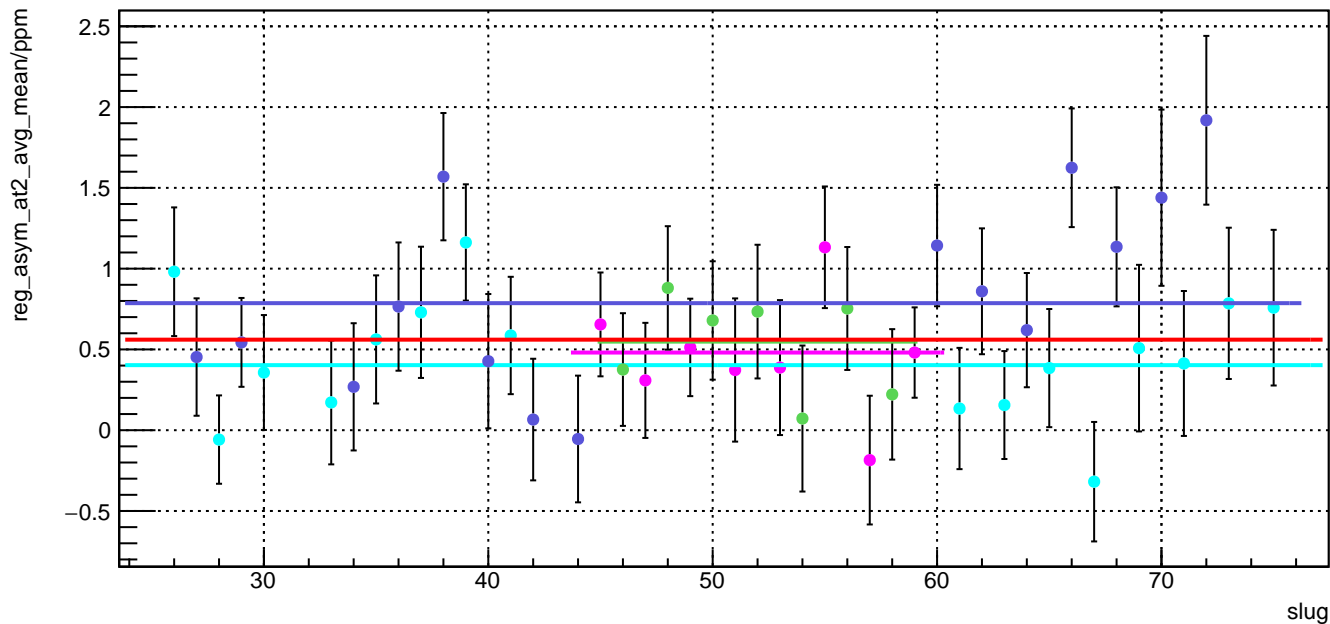
Left OUT: 355.639 ± 10.657 χ^2/NDF : 27258.9/15

Right OUT: 355.208 ± 13.327 χ^2/NDF : 7459.8/6

Left IN: 348.088 ± 8.853 χ^2/NDF : 16457.4/14

Grand: 352.142 ± 5.357 χ^2 : 59396.3/45

reg_asym_at2_avg_mean/ppm



Right IN: 0.481 ± 0.124 χ^2 /NDF: 6.4/7

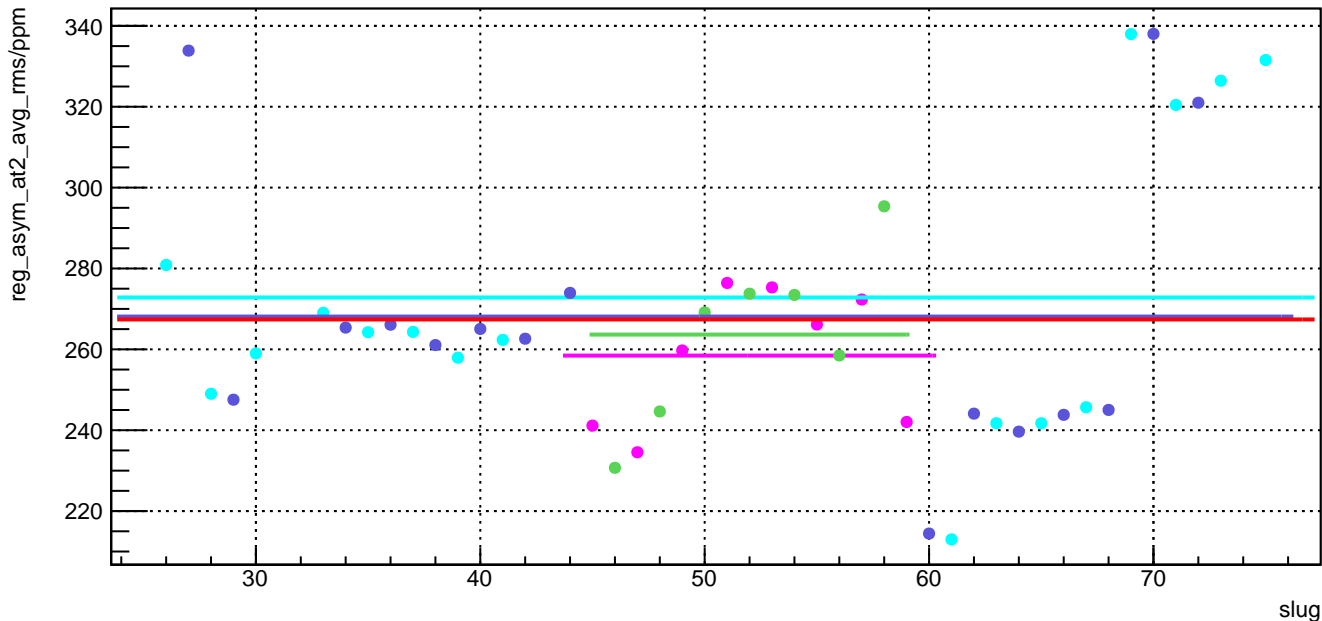
Left OUT: 0.403 ± 0.095 χ^2 /NDF: 17.0/15

Right OUT: 0.548 ± 0.147 χ^2 /NDF: 3.4/6

Left IN: 0.786 ± 0.099 χ^2 /NDF: 29.7/14

Grand: 0.560 ± 0.055 χ^2 : 64.9/45

reg_asym_at2_avg_rms/ppm



Right IN: 258.456 ± 5.978 χ^2/NDF : 2001.3/7

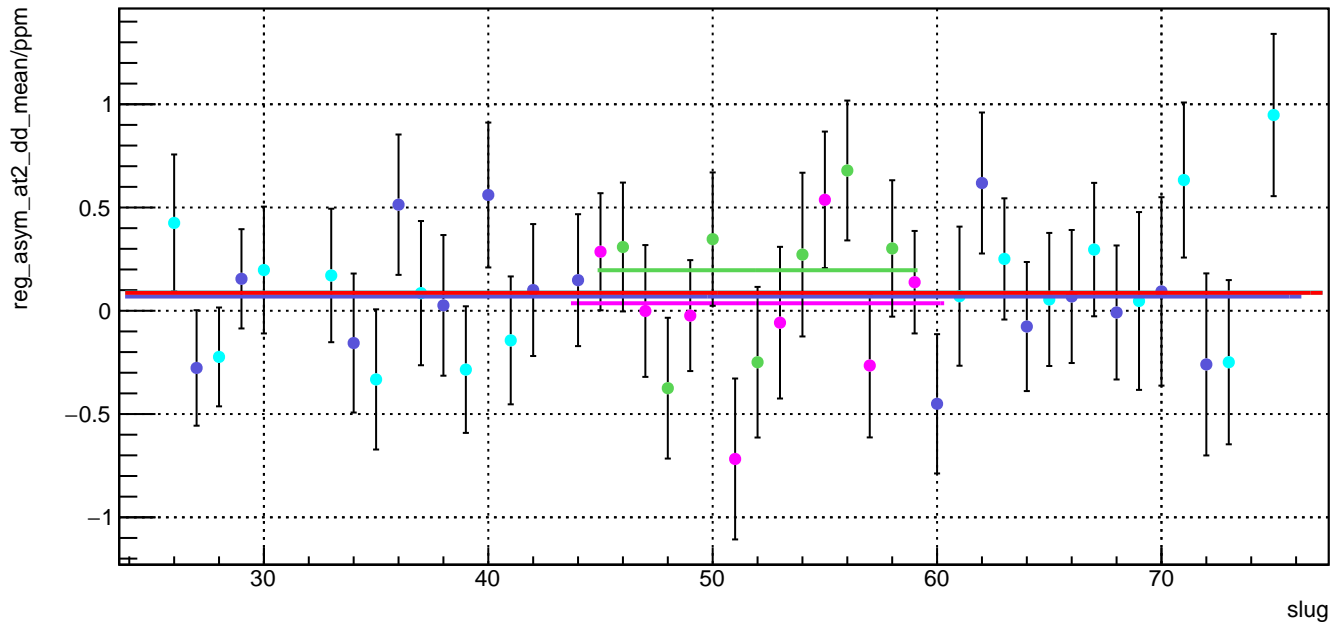
Left OUT: 272.829 ± 9.220 χ^2/NDF : 20401.4/15

Right OUT: 263.649 ± 8.031 χ^2/NDF : 2708.6/6

Left IN: 268.108 ± 9.247 χ^2/NDF : 17958.0/14

Grand: 267.393 ± 4.625 χ^2 : 44286.7/45

reg_asym_at2_dd_mean/ppm



Right IN: 0.036 ± 0.109 χ^2/NDF : 7.9/7

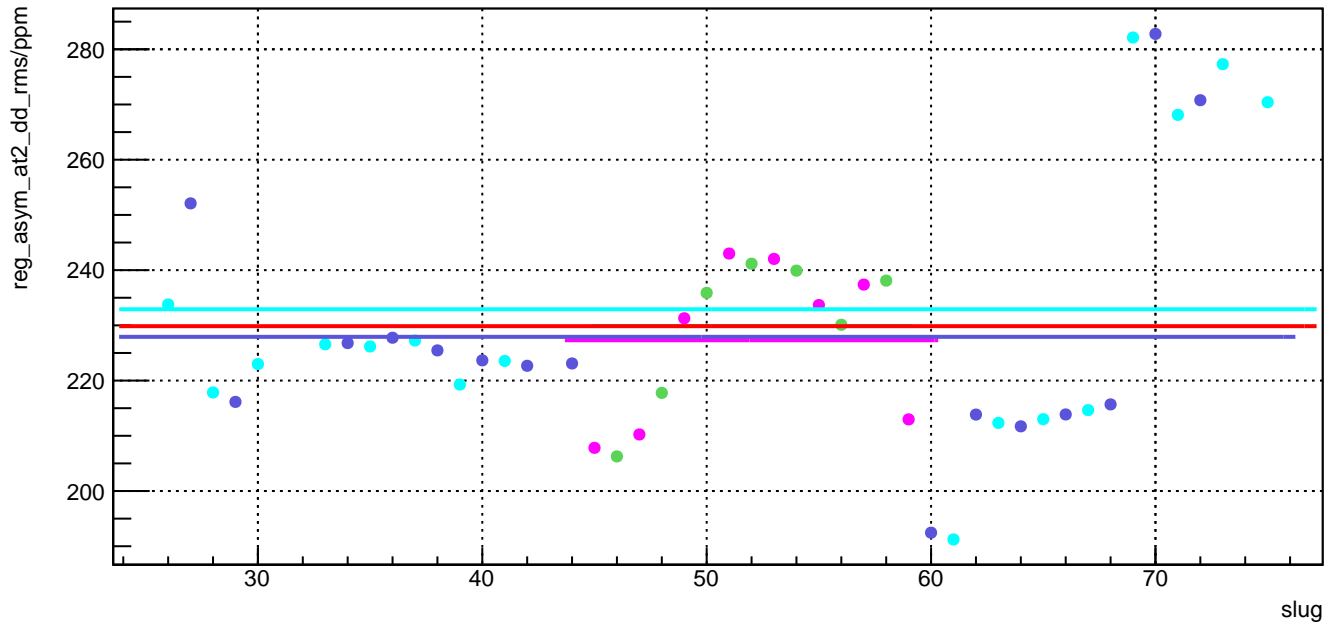
Left OUT: 0.088 ± 0.082 χ^2/NDF : 14.9/15

Right OUT: 0.196 ± 0.129 χ^2/NDF : 6.8/6

Left IN: 0.069 ± 0.084 χ^2/NDF : 11.7/14

Grand: 0.087 ± 0.048 χ^2 : 42.2/45

reg_asym_at2_dd_rms/ppm



Right IN: 227.304 ± 5.171 χ^2/NDF : 1497.7/7

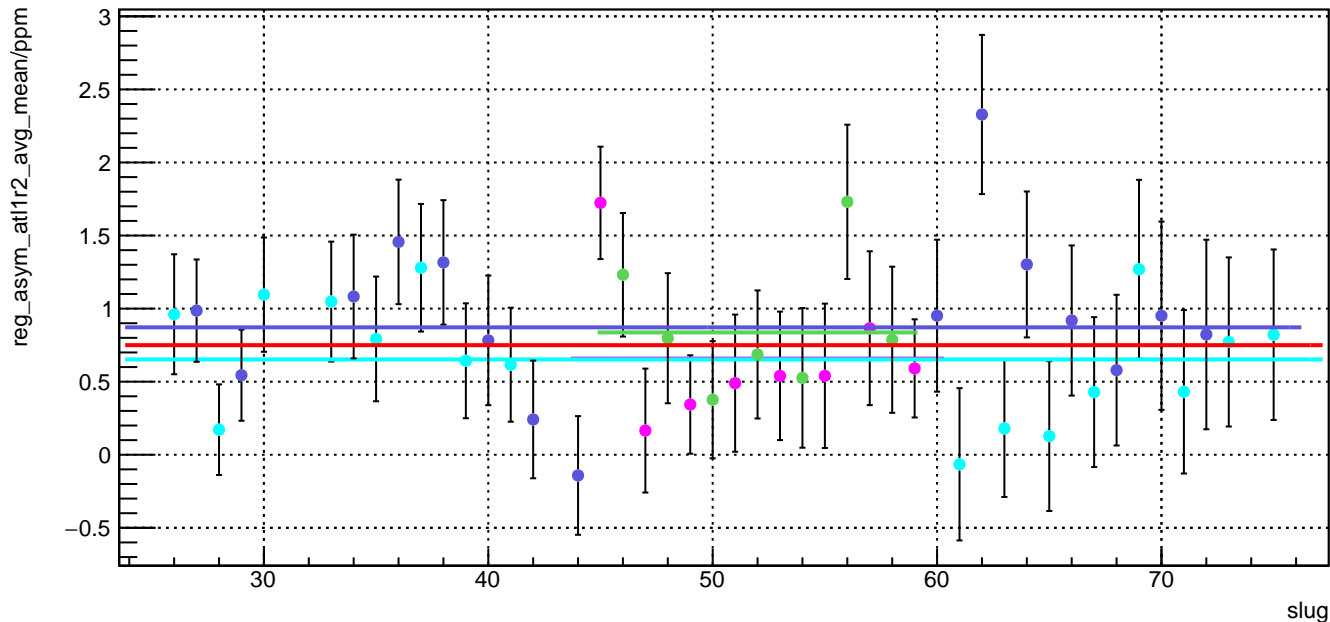
Left OUT: 232.917 ± 6.660 χ^2/NDF : 10646.1/15

Right OUT: 229.887 ± 4.966 χ^2/NDF : 1035.9/6

Left IN: 227.922 ± 6.060 χ^2/NDF : 7711.7/14

Grand: 229.851 ± 3.196 χ^2 : 21149.4/45

reg_asym_atl1r2_avg_mean/ppm



Right IN: 0.658 ± 0.145 χ^2/NDF : 10.4/7

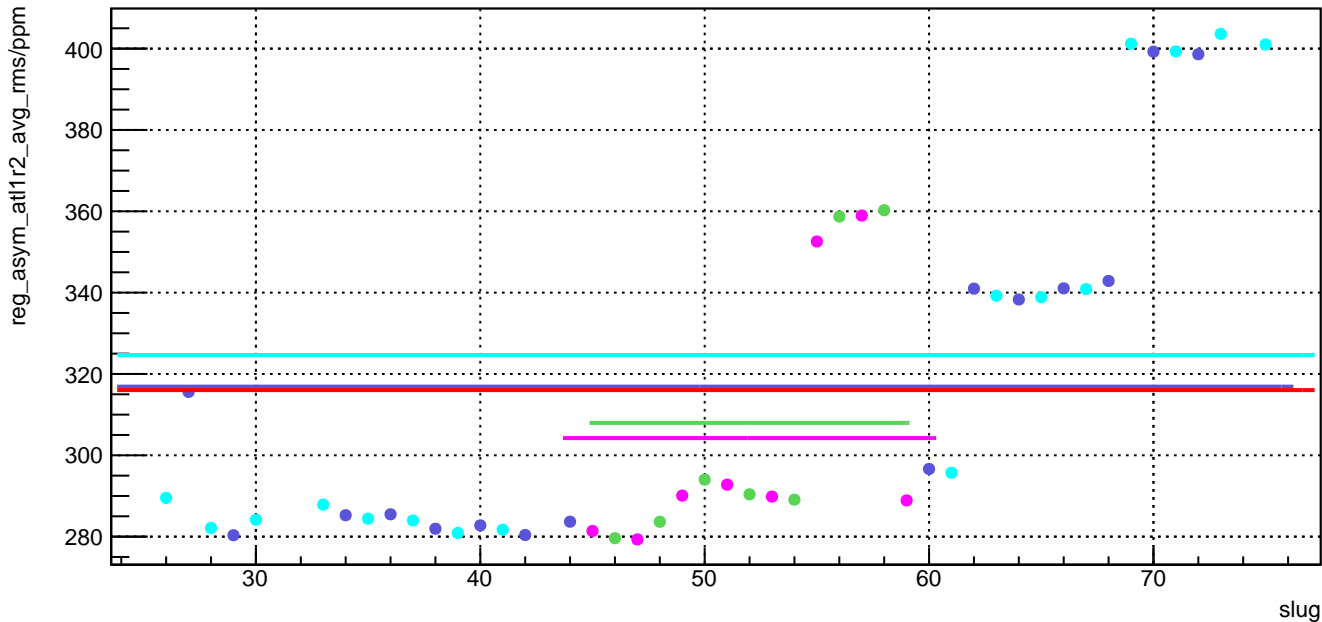
Left OUT: 0.652 ± 0.112 χ^2/NDF : 12.8/15

Right OUT: 0.837 ± 0.171 χ^2/NDF : 5.6/6

Left IN: 0.872 ± 0.115 χ^2/NDF : 21.4/14

Grand: 0.750 ± 0.065 χ^2 : 52.8/45

reg_asym_atl1r2_avg_rms/ppm



Right IN: 304.232 ± 11.376 χ^2 /NDF: 7247.0/7

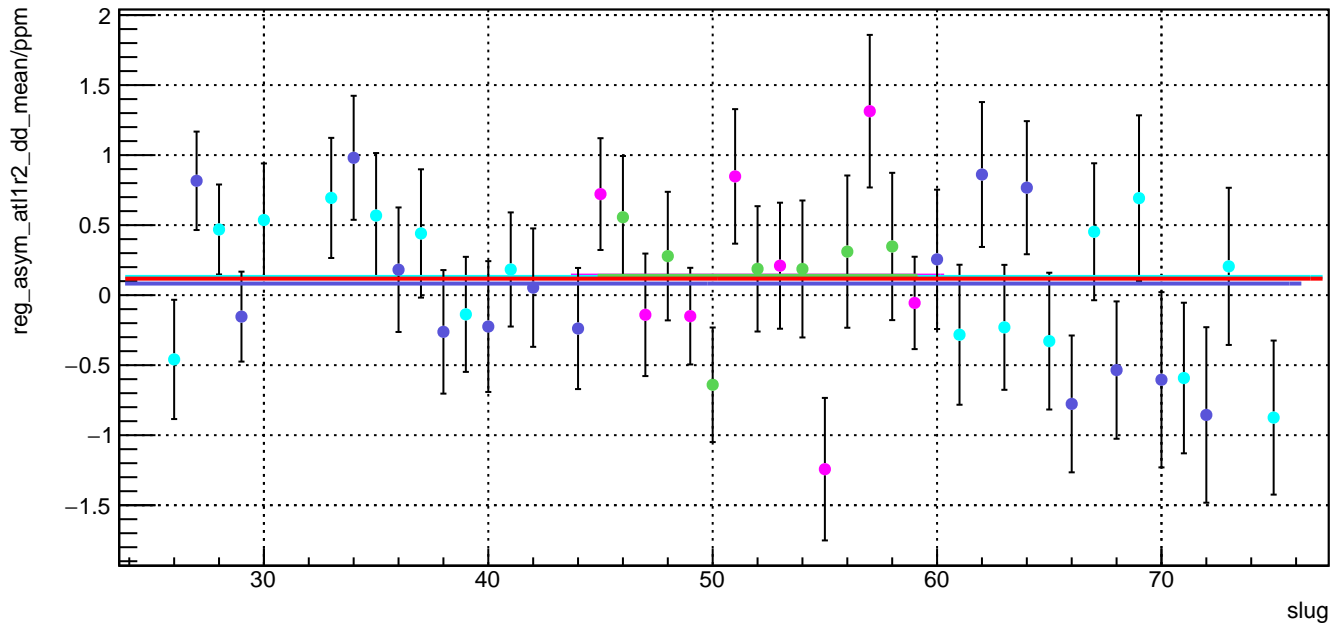
Left OUT: 324.660 ± 12.597 χ^2 /NDF: 38083.6/15

Right OUT: 307.966 ± 13.419 χ^2 /NDF: 7563.0/6

Left IN: 316.882 ± 10.760 χ^2 /NDF: 24312.4/14

Grand: 316.030 ± 6.216 χ^2 : 79977.2/45

reg_asym_atl1r2_dd_mean/ppm



Right IN: 0.140 ± 0.148 χ^2 /NDF: 17.8/7

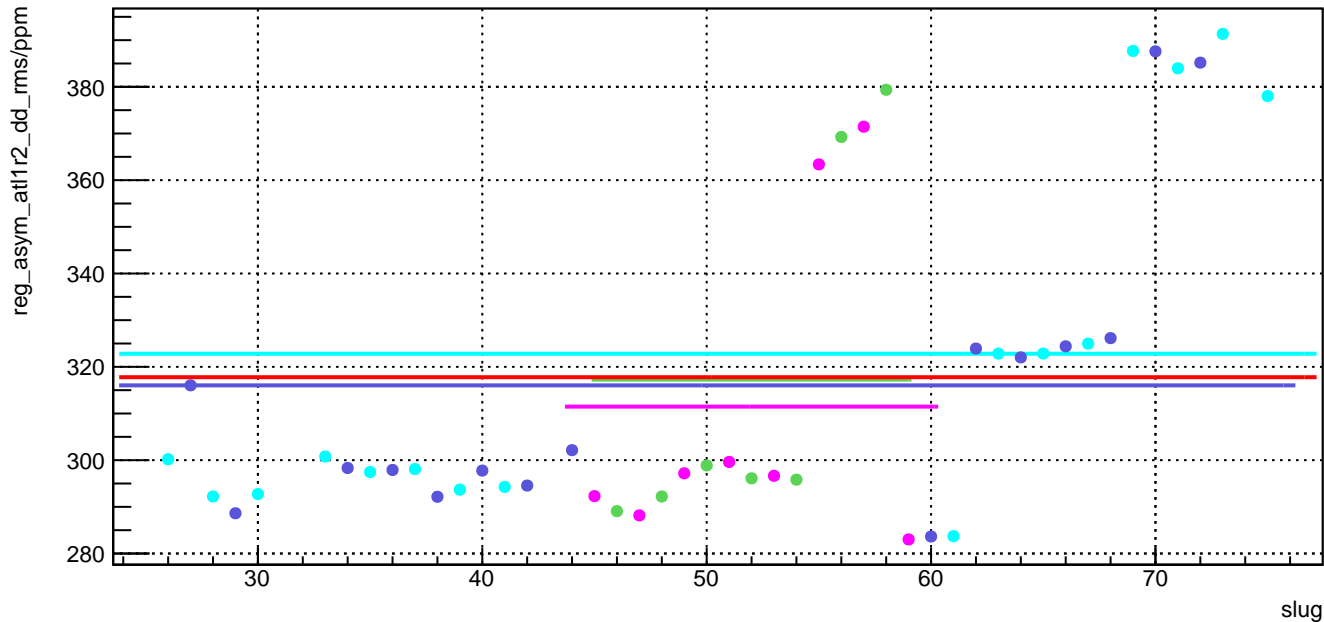
Left OUT: 0.130 ± 0.113 χ^2 /NDF: 16.3/15

Right OUT: 0.138 ± 0.176 χ^2 /NDF: 4.9/6

Left IN: 0.083 ± 0.116 χ^2 /NDF: 23.3/14

Grand: 0.118 ± 0.066 χ^2 : 62.5/45

reg_asym_atl1r2_dd_rms/ppm



Right IN: 311.475 ± 12.376 χ^2/NDF : 8577.2/7

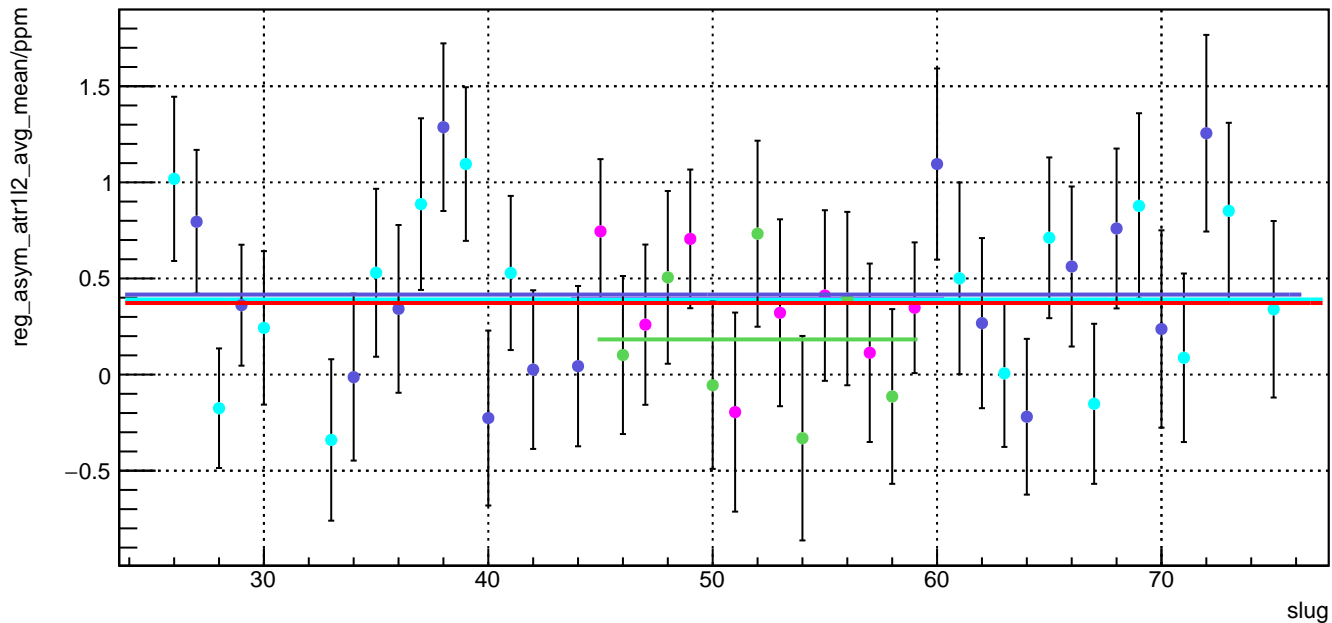
Left OUT: 322.805 ± 9.785 χ^2/NDF : 22981.0/15

Right OUT: 317.25 ± 14.823 χ^2/NDF : 9228.1/6

Left IN: 316.03 ± 8.215 χ^2/NDF : 14173.6/14

Grand: 317.780 ± 5.189 χ^2 : 55729.7/45

reg_asym_atr1l2_avg_mean/ppm



Right IN: 0.394 ± 0.146 χ^2 /NDF: 3.4/7

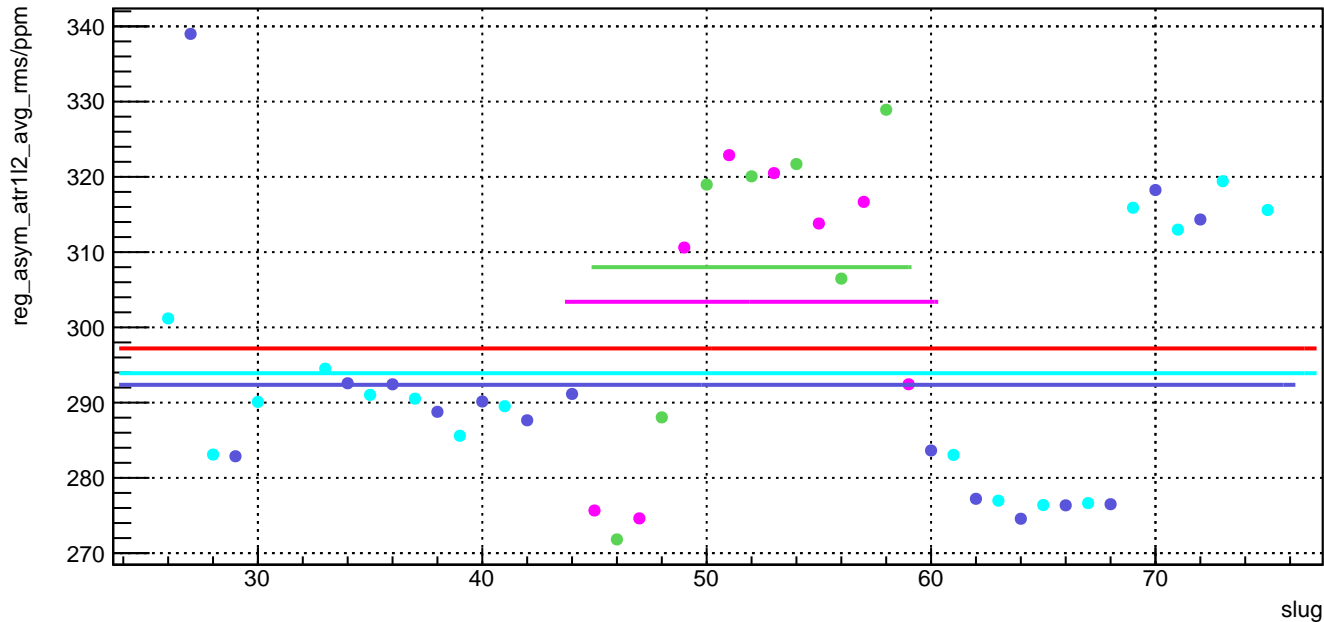
Left OUT: 0.391 ± 0.104 χ^2 /NDF: 19.1/15

Right OUT: 0.183 ± 0.172 χ^2 /NDF: 3.7/6

Left IN: 0.416 ± 0.109 χ^2 /NDF: 17.8/14

Grand: 0.372 ± 0.062 χ^2 : 45.4/45

reg_asym_atr1l2_avg_rms/ppm



Right IN: 303.399 ± 6.977 χ^2 /NDF: 2726.3/7

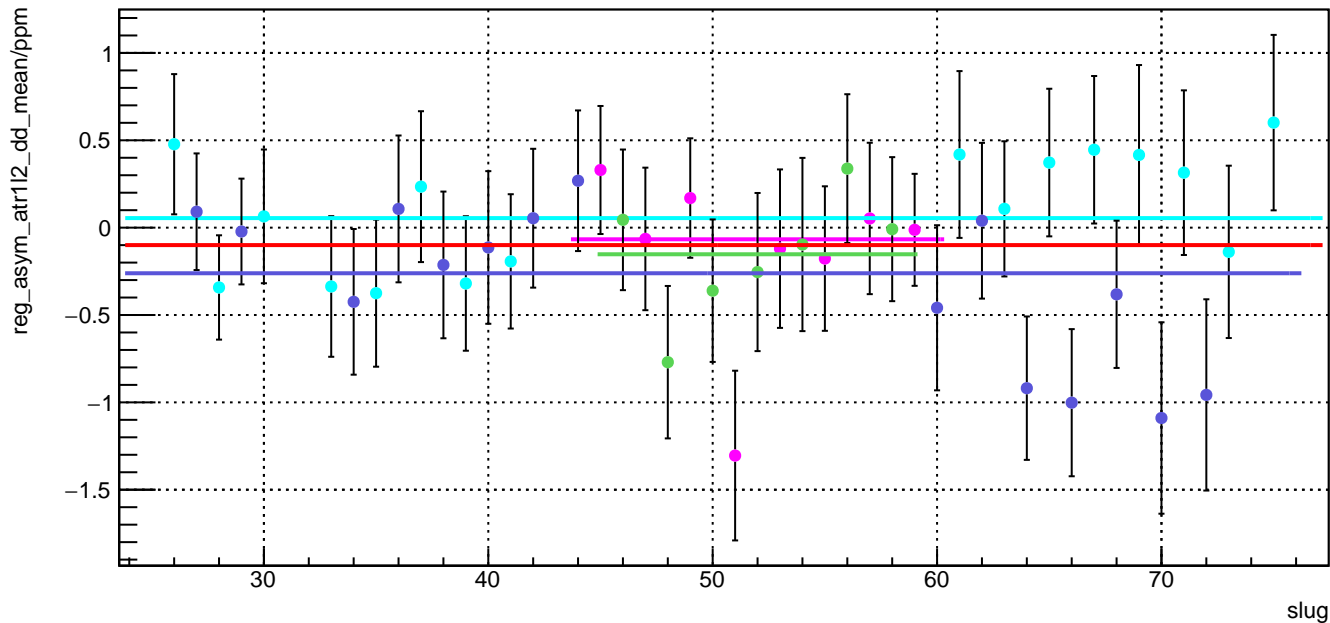
Left OUT: 293.910 ± 3.692 χ^2 /NDF: 3270.8/15

Right OUT: 308.002 ± 7.870 χ^2 /NDF: 2601.3/6

Left IN: 292.365 ± 4.675 χ^2 /NDF: 4589.6/14

Grand: 297.201 ± 2.677 χ^2 : 14835.9/45

reg_asym_atr112_dd_mean/ppm



Right IN: -0.067 ± 0.139 χ^2/NDF : 8.3/7

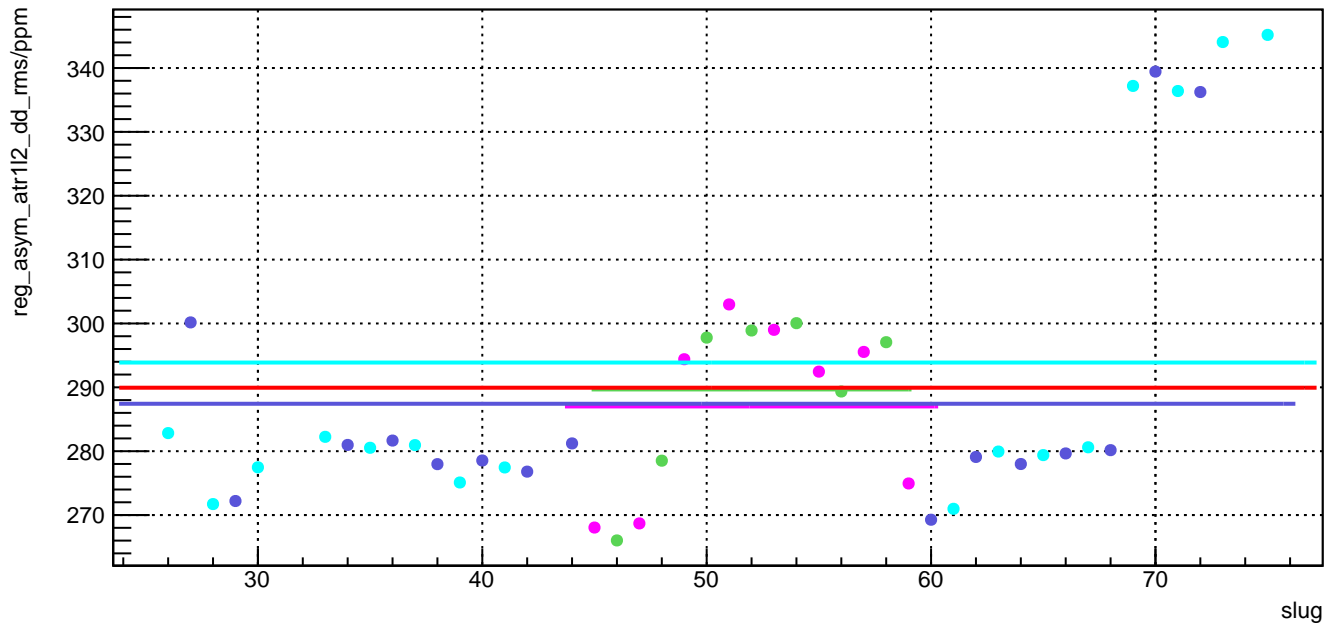
Left OUT: 0.055 ± 0.103 χ^2/NDF : 10.6/15

Right OUT: -0.152 ± 0.163 χ^2/NDF : 4.0/6

Left IN: -0.261 ± 0.107 χ^2/NDF : 15.4/14

Grand: -0.100 ± 0.061 χ^2 : 43.0/45

reg_asym_atr112_dd_rms/ppm



Right IN: 287.009 ± 4.994 χ^2 /NDF: 1396.8/7

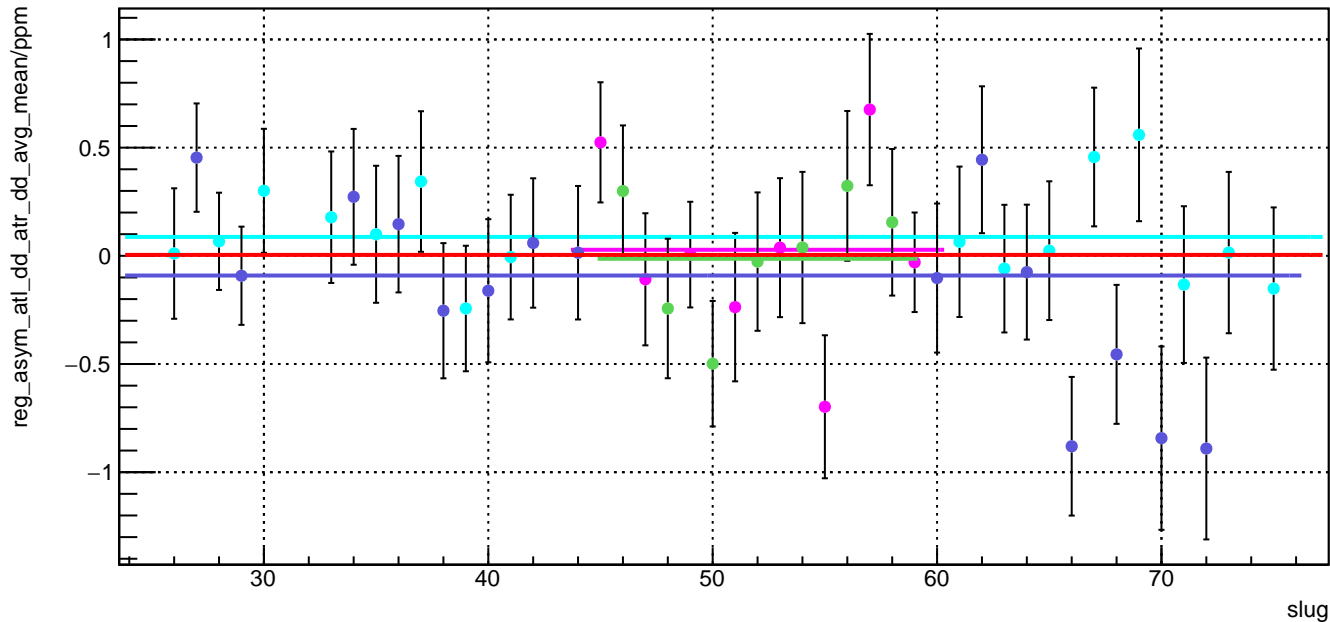
Left OUT: 293.881 ± 7.049 χ^2 /NDF: 11925.5/15

Right OUT: 289.670 ± 4.872 χ^2 /NDF: 997.0/6

Left IN: 287.426 ± 5.554 χ^2 /NDF: 6478.0/14

Grand: 289.940 ± 3.201 χ^2 : 21209.9/45

reg_asym_atl_dd_atr_dd_avg_mean/ppm



Right IN: 0.028 ± 0.103 χ^2/NDF : 12.3/7

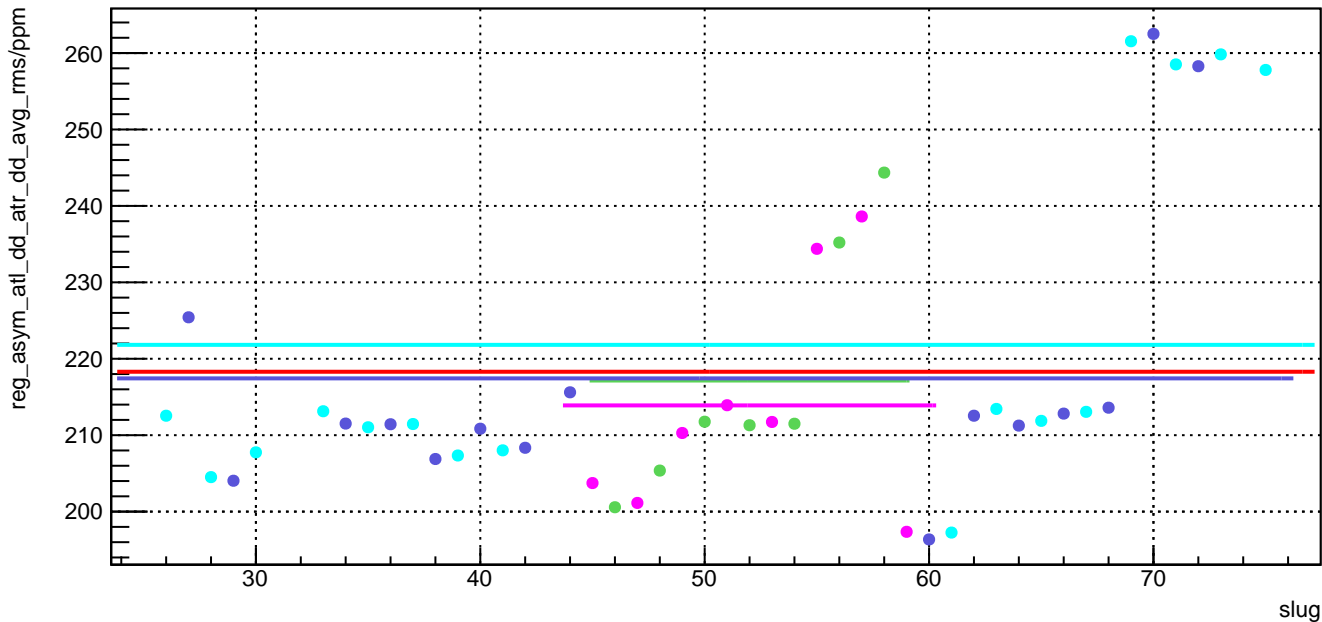
Left OUT: 0.087 ± 0.078 χ^2/NDF : 6.6/15

Right OUT: -0.014 ± 0.122 χ^2/NDF : 5.6/6

Left IN: -0.091 ± 0.080 χ^2/NDF : 23.9/14

Grand: 0.004 ± 0.046 χ^2 : 51.0/45

reg_asym_atl_dd_atr_dd_avg_rms/ppm



Right IN: 213.897 ± 5.326 χ^2 /NDF: 1588.2/7

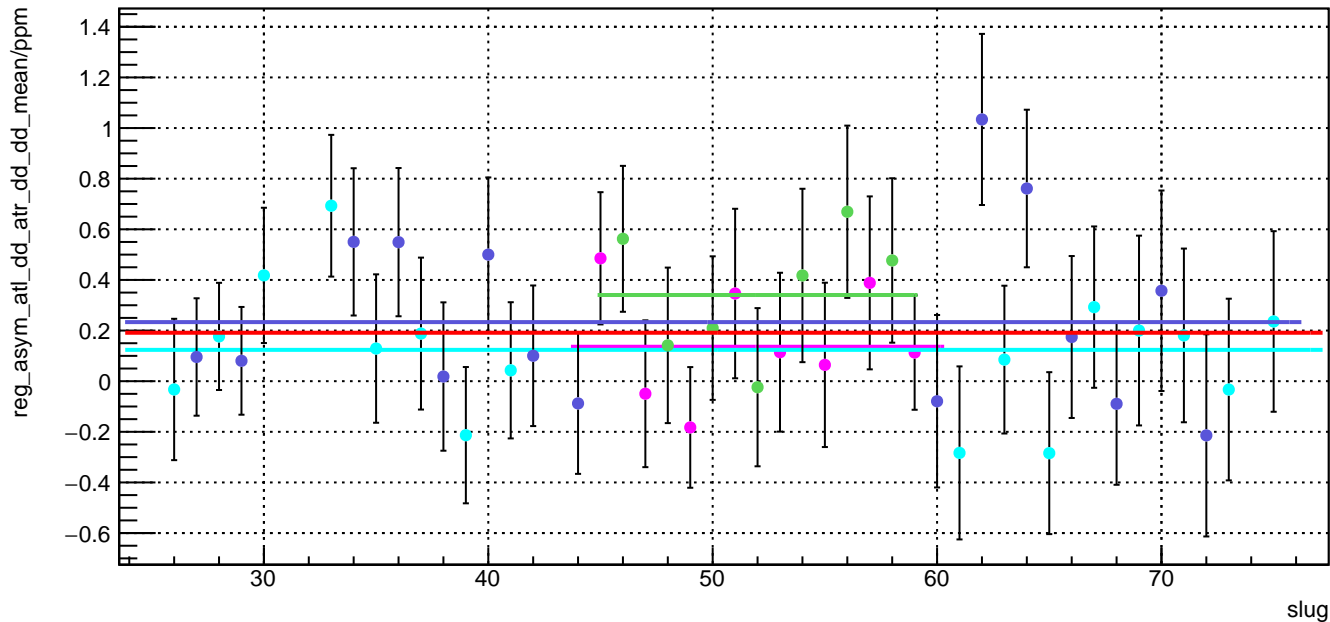
Left OUT: 221.819 ± 5.699 χ^2 /NDF: 7795.2/15

Right OUT: 217.153 ± 6.124 χ^2 /NDF: 1575.1/6

Left IN: 217.432 ± 4.779 χ^2 /NDF: 4797.0/14

Grand: 218.301 ± 2.791 χ^2 : 16129.3/45

reg_asym_atl_dd_atr_dd_dd_mean/ppm



Right IN: 0.136 ± 0.100 χ^2/NDF : 5.0/7

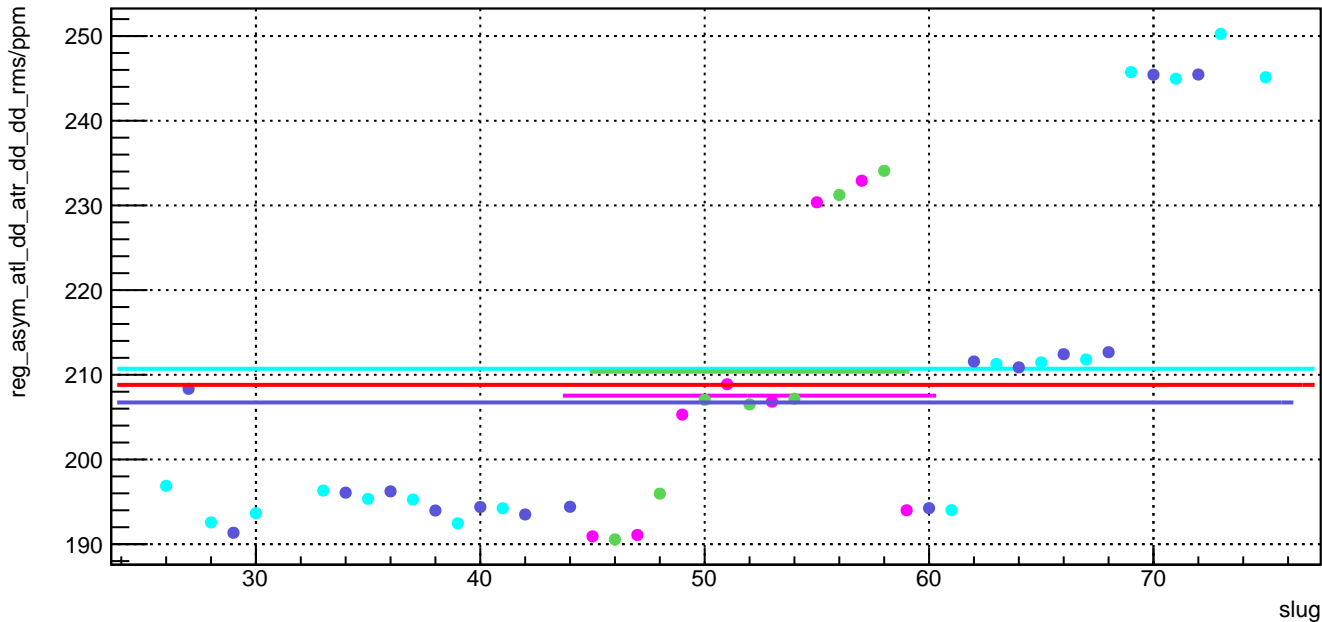
Left OUT: 0.124 ± 0.074 χ^2/NDF : 11.1/15

Right OUT: 0.340 ± 0.118 χ^2/NDF : 3.7/6

Left IN: 0.233 ± 0.076 χ^2/NDF : 17.8/14

Grand: 0.191 ± 0.043 χ^2 : 40.7/45

reg_asym_atl_dd_atr_dd_dd_rms/ppm



Right IN: 207.537 ± 5.829 χ^2 /NDF: 1902.7/7

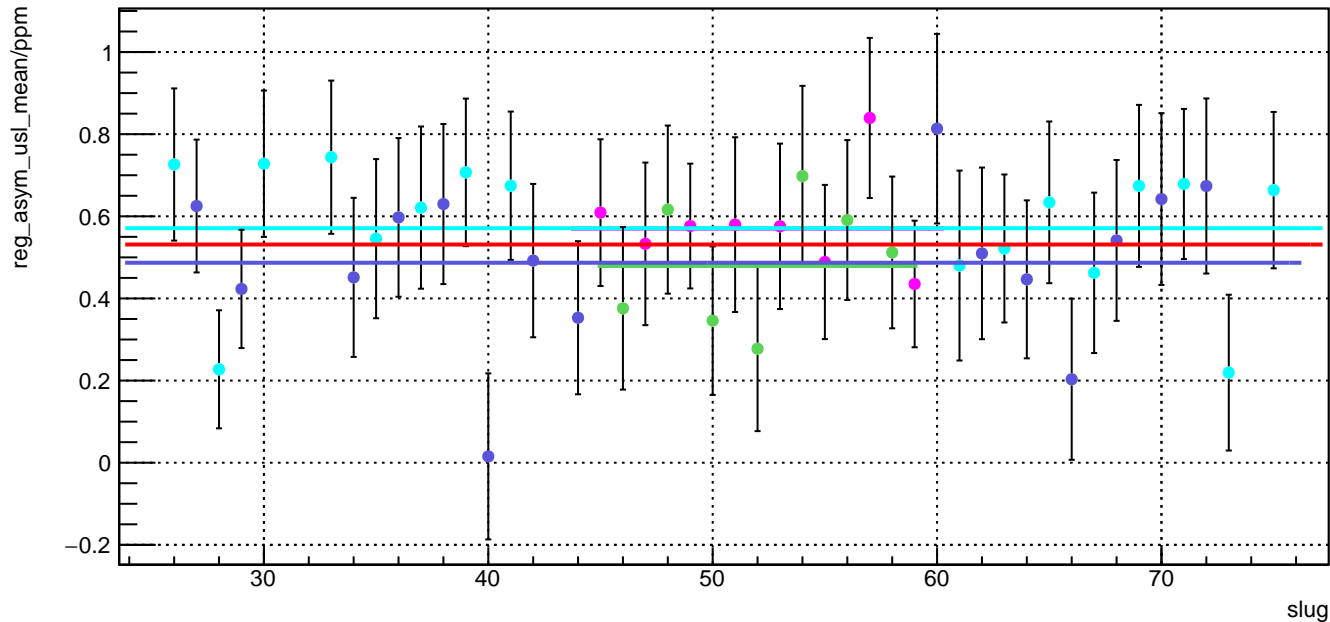
Left OUT: 210.714 ± 5.600 χ^2 /NDF: 7526.7/15

Right OUT: 210.366 ± 6.237 χ^2 /NDF: 1633.9/6

Left IN: 206.731 ± 4.560 χ^2 /NDF: 4366.1/14

Grand: 208.810 ± 2.744 χ^2 : 15582.2/45

reg_asym_usl_mean/ppm



Right IN: 0.570 ± 0.064 χ^2/NDF : 2.9/7

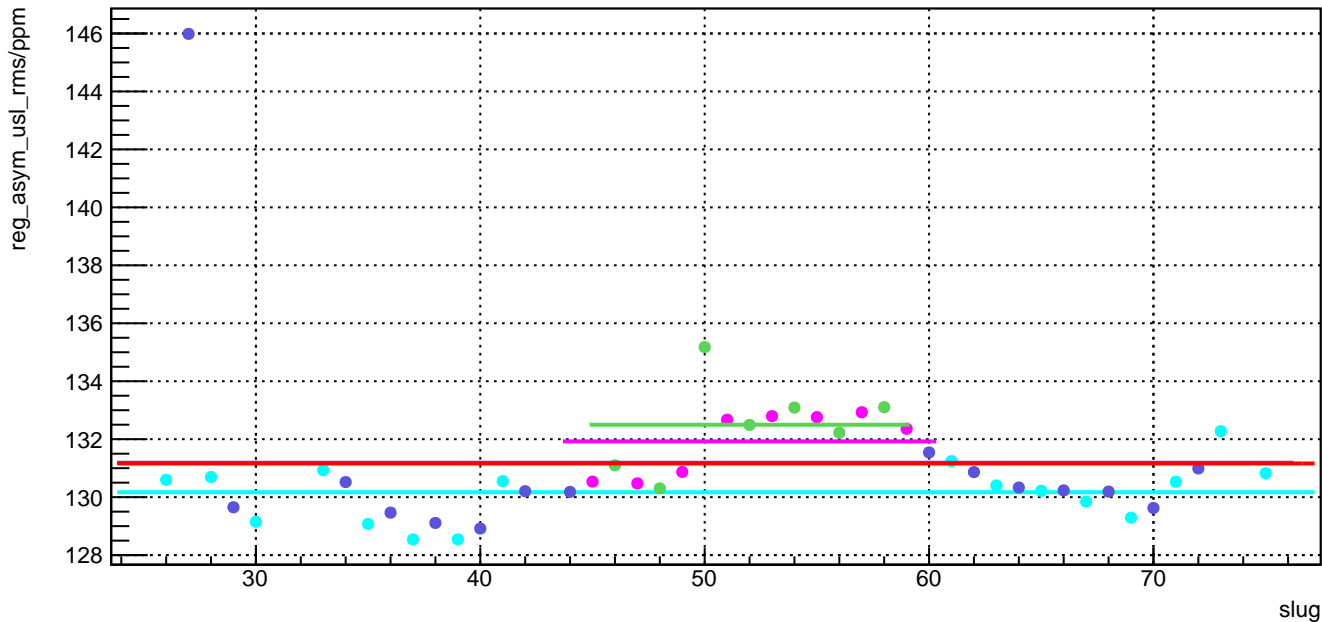
Left OUT: 0.571 ± 0.046 χ^2/NDF : 14.0/15

Right OUT: 0.479 ± 0.074 χ^2/NDF : 3.6/6

Left IN: 0.487 ± 0.049 χ^2/NDF : 13.3/14

Grand: 0.531 ± 0.028 χ^2 : 36.3/45

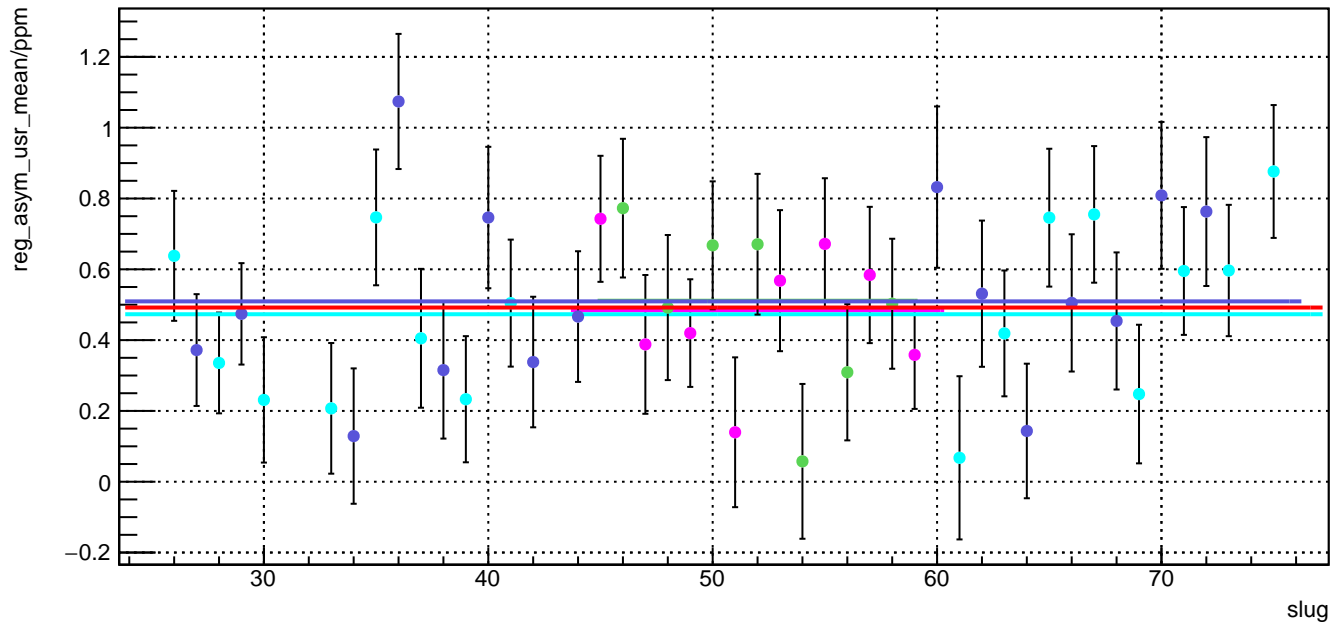
reg_asym_usl_rms/ppm



Right IN: 131.925 ± 0.386 χ^2/NDF : 8.4/7
Left OUT: 130.170 ± 0.257 χ^2/NDF : 15.8/15
Right OUT: 132.499 ± 0.593 χ^2/NDF : 14.8/6
Left IN: 131.188 ± 1.072 χ^2/NDF : 241.5/14

Grand: 131.162 ± 0.389 χ^2 : 313.4/45

reg_asym_usr_mean/ppm



Right IN: 0.484 ± 0.064 χ^2/NDF : 7.3/7

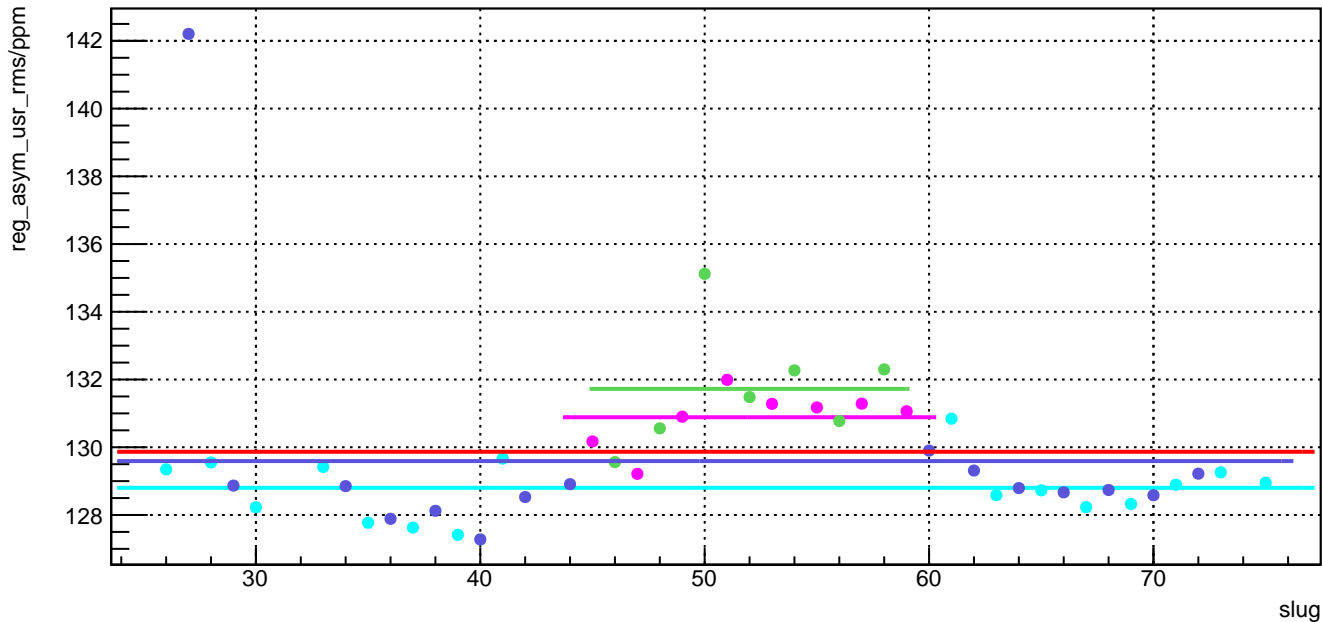
Left OUT: 0.473 ± 0.046 χ^2/NDF : 23.8/15

Right OUT: 0.511 ± 0.074 χ^2/NDF : 8.6/6

Left IN: 0.509 ± 0.049 χ^2/NDF : 26.2/14

Grand: 0.492 ± 0.027 χ^2 : 66.3/45

reg_asym_usr_rms/ppm



Right IN: 130.886 ± 0.298 χ^2 /NDF: 5.0/7

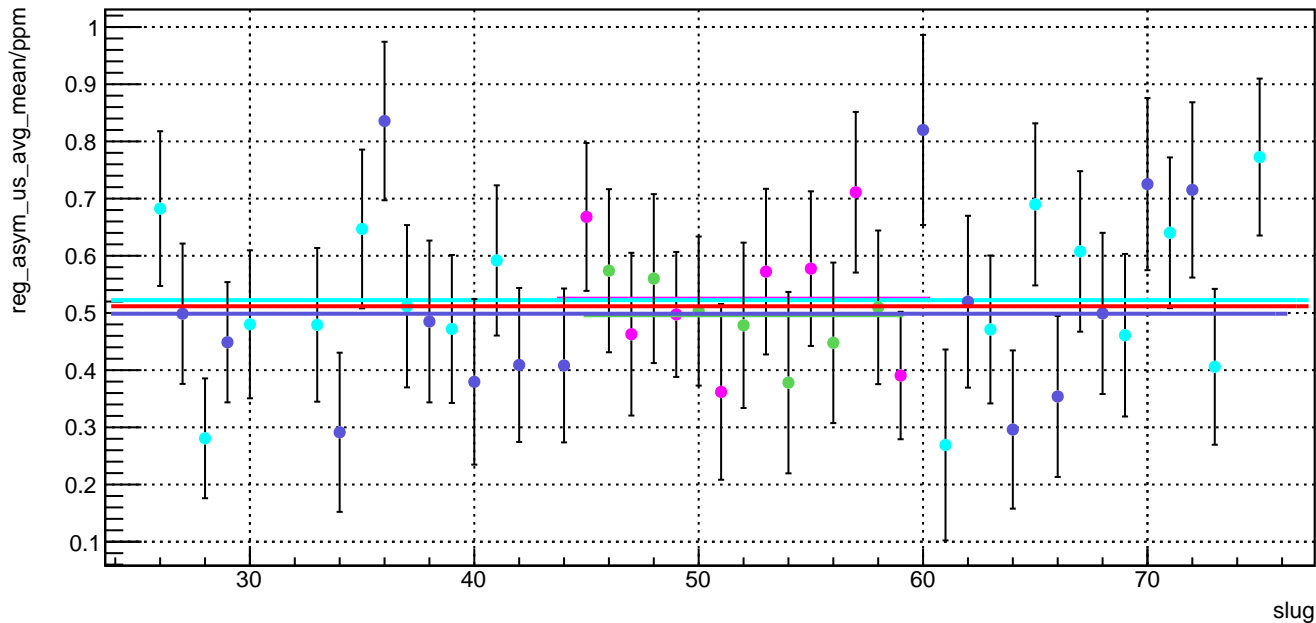
Left OUT: 128.803 ± 0.221 χ^2 /NDF: 11.7/15

Right OUT: 131.724 ± 0.675 χ^2 /NDF: 19.2/6

Left IN: 129.592 ± 0.915 χ^2 /NDF: 175.7/14

Grand: 129.867 ± 0.357 χ^2 : 263.2/45

reg_asym_us_avg_mean/ppm



Right IN: 0.525 ± 0.046 χ^2 /NDF: 6.1/7

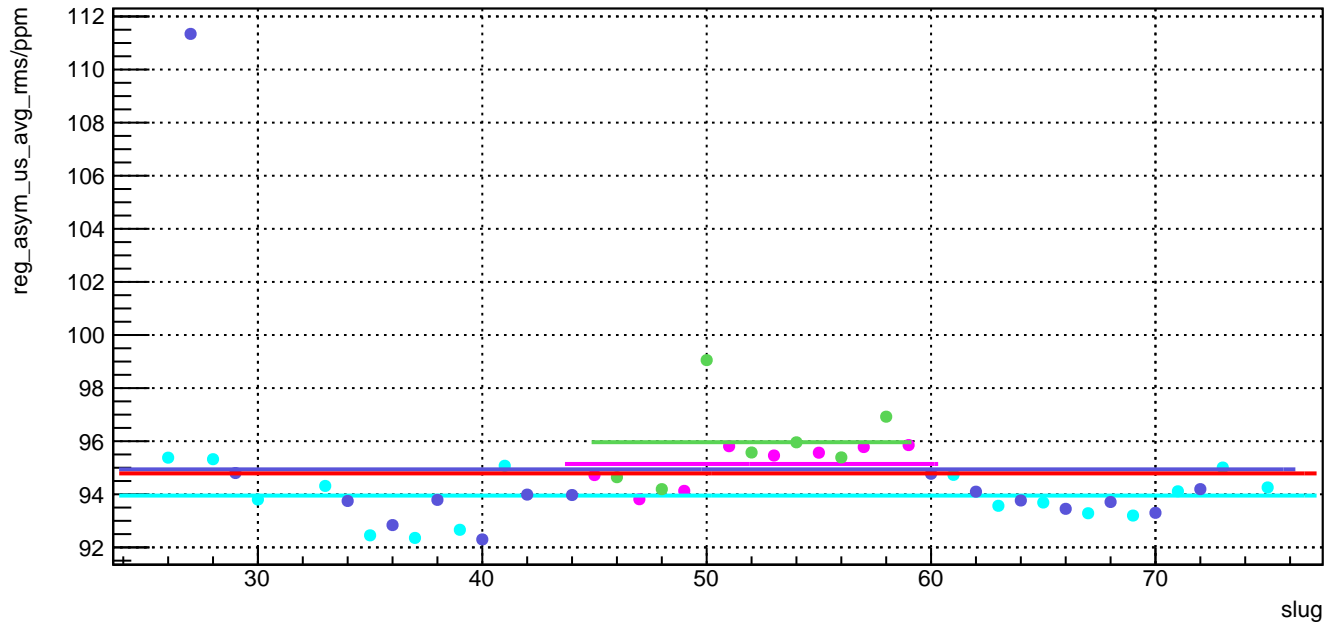
Left OUT: 0.522 ± 0.034 χ^2 /NDF: 17.4/15

Right OUT: 0.496 ± 0.054 χ^2 /NDF: 1.2/6

Left IN: 0.499 ± 0.036 χ^2 /NDF: 21.2/14

Grand: 0.512 ± 0.020 χ^2 : 46.3/45

reg_asym_us_avg_rms/ppm



Right IN: 95.142 ± 0.287 χ^2/NDF : 4.6/7

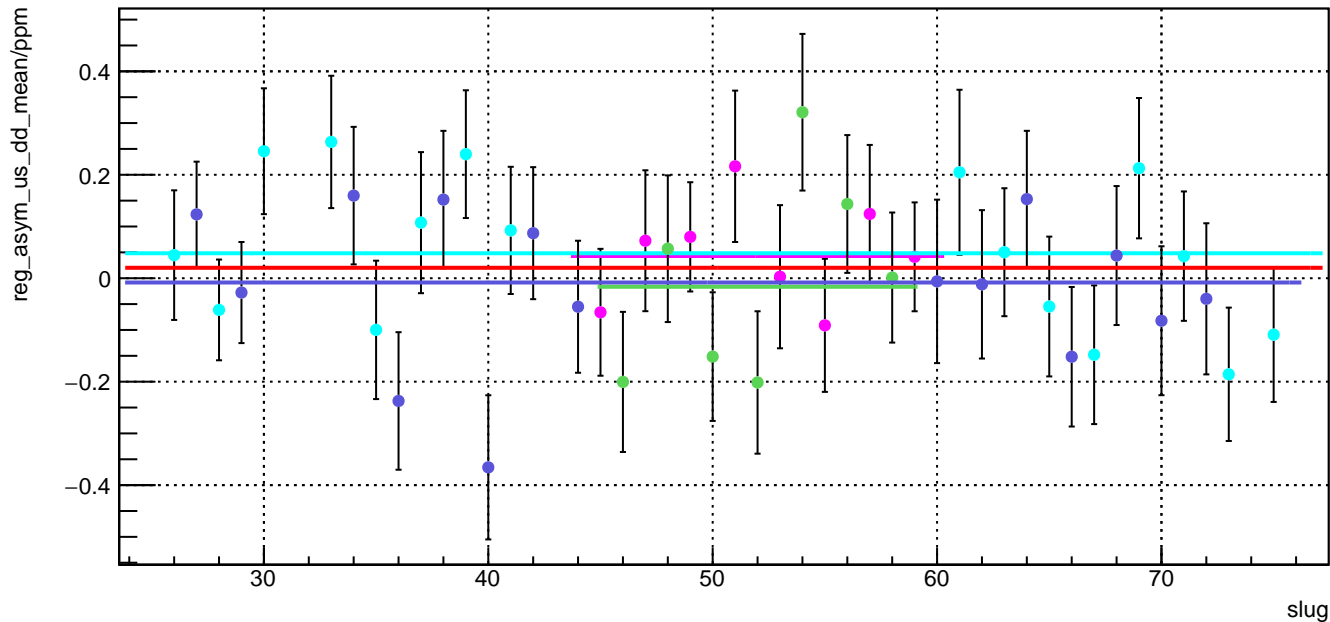
Left OUT: 93.951 ± 0.249 χ^2/NDF : 14.9/15

Right OUT: 95.962 ± 0.614 χ^2/NDF : 15.8/6

Left IN: 94.939 ± 1.183 χ^2/NDF : 294.1/14

Grand: 94.786 ± 0.412 χ^2 : 351.6/45

reg_asym_us_dd_mean/ppm



Right IN: 0.043 ± 0.044 χ^2/NDF : 3.9/7

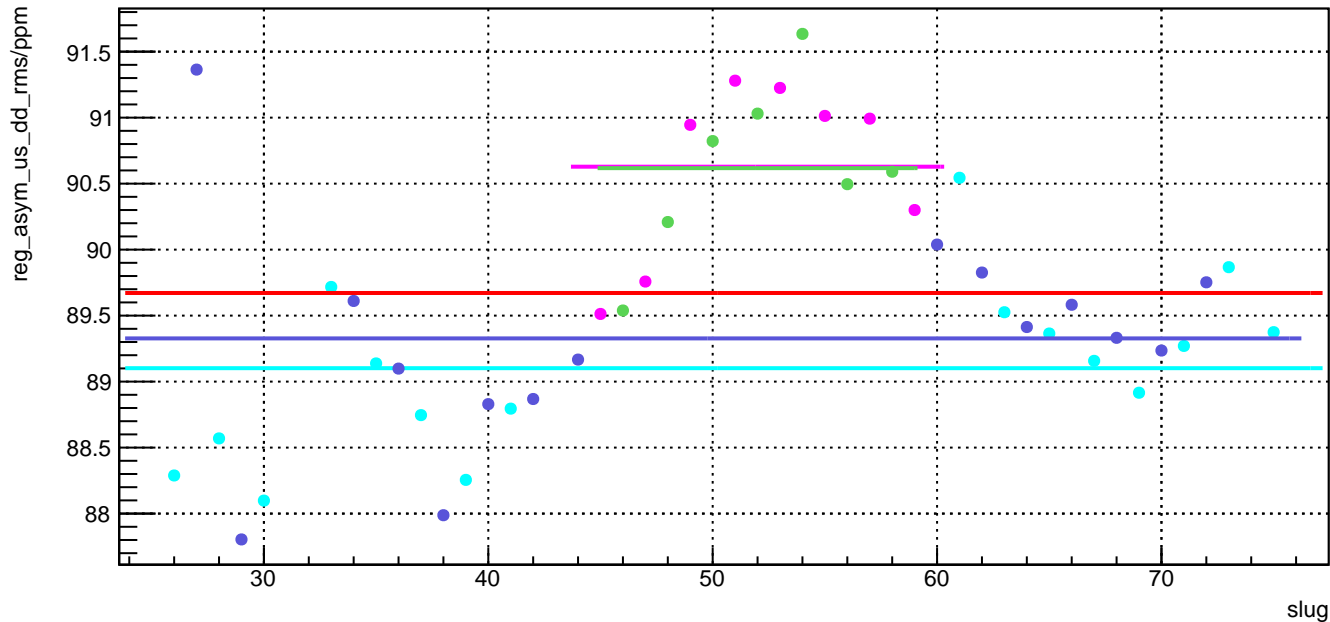
Left OUT: 0.048 ± 0.032 χ^2/NDF : 20.6/15

Right OUT: -0.017 ± 0.051 χ^2/NDF : 11.5/6

Left IN: -0.008 ± 0.033 χ^2/NDF : 18.1/14

Grand: 0.020 ± 0.019 χ^2 : 56.4/45

reg_asym_us_dd_rms/ppm



Right IN: 90.628 ± 0.242 χ^2/NDF : 3.3/7

Left OUT: 89.102 ± 0.162 χ^2/NDF : 6.3/15

Right OUT: 90.617 ± 0.248 χ^2/NDF : 2.6/6

Left IN: 89.327 ± 0.217 χ^2/NDF : 9.9/14

Grand: 89.671 ± 0.144 χ^2 : 42.6/45