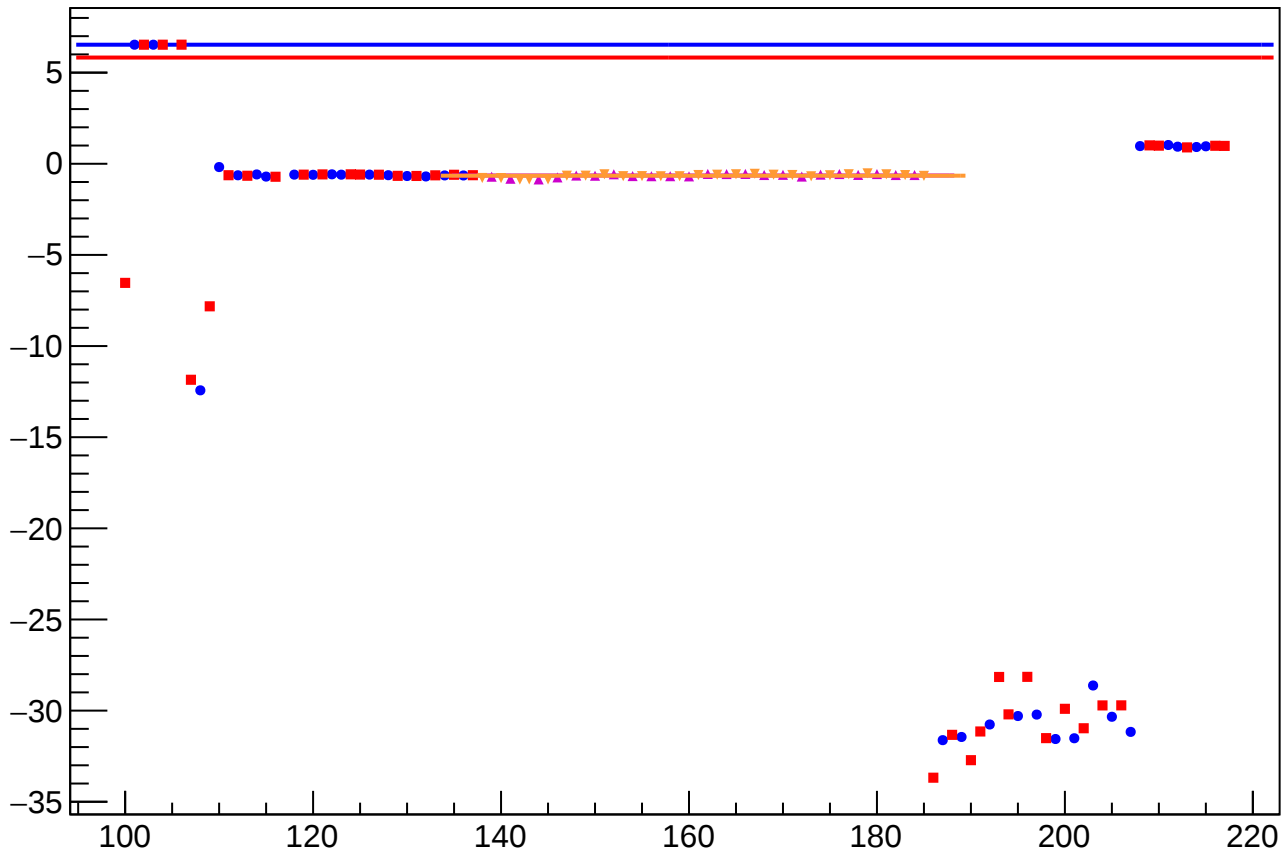


yield_cav4bX_mean vs Slug



Right In: 6.532 $\pm$ 0.000 χ^2 /NDF: 137004604088.1/31

Left Out: -0.654 $\pm$ 0.000 χ^2 /NDF: 179069954.8/24

Right Out: 5.827 $\pm$ 0.000 χ^2 /NDF: 755968872698746.2/35

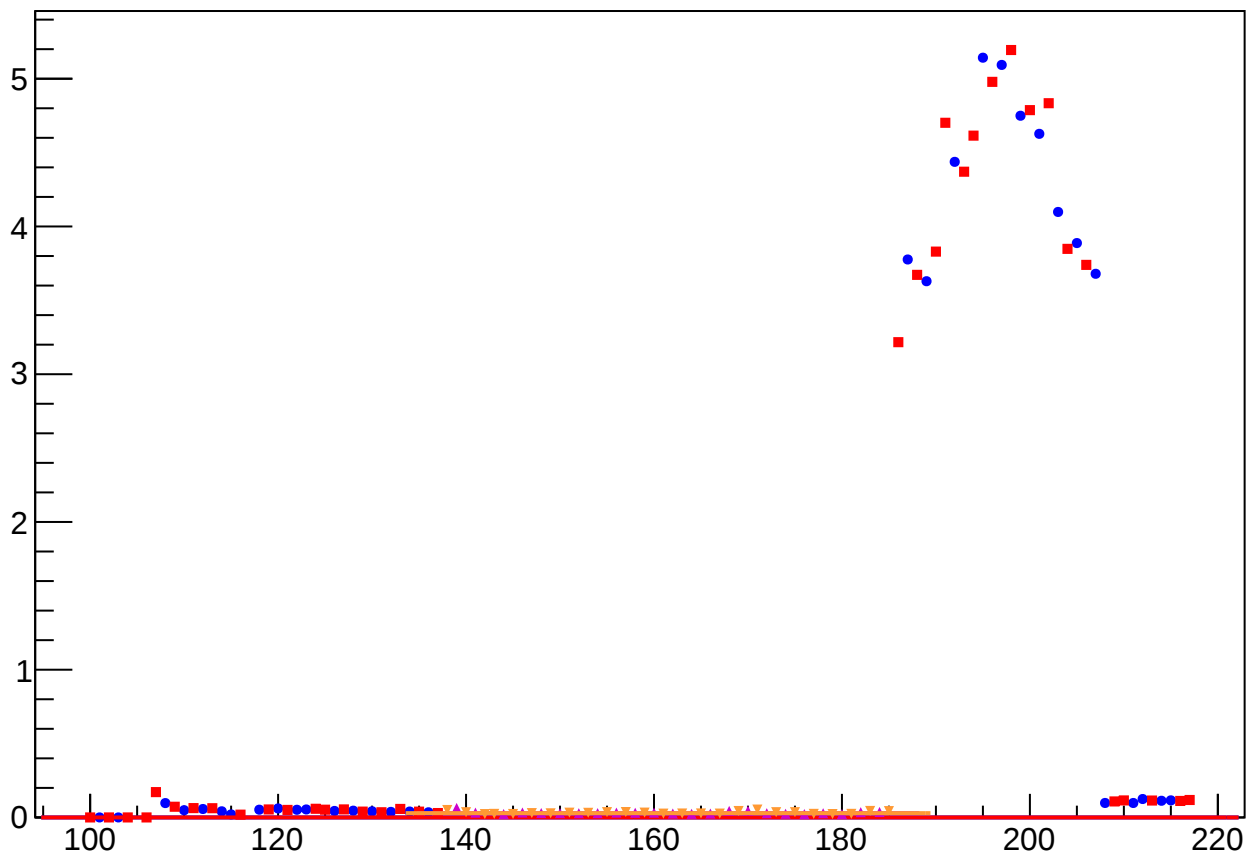
Left In: -0.643 $\pm$ 0.000 χ^2 /NDF: 123743747.1/22

+ sign 6.530 $\pm$ 0.000 χ^2 /NDF: 1010838934326.1/56

All: 6.153 $\pm$ 0.000 χ^2 /NDF: 77764299467649

- sign 5.826 $\pm$ 0.000 χ^2 /NDF: 756647332633415.1/

yield_cav4bX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 29577250.3/31

Left Out: 0.029+/-0.000 χ^2/NDF :1484308.2/24

Right Out: 0.000+/-0.000 χ^2/NDF : 31916350.7/35

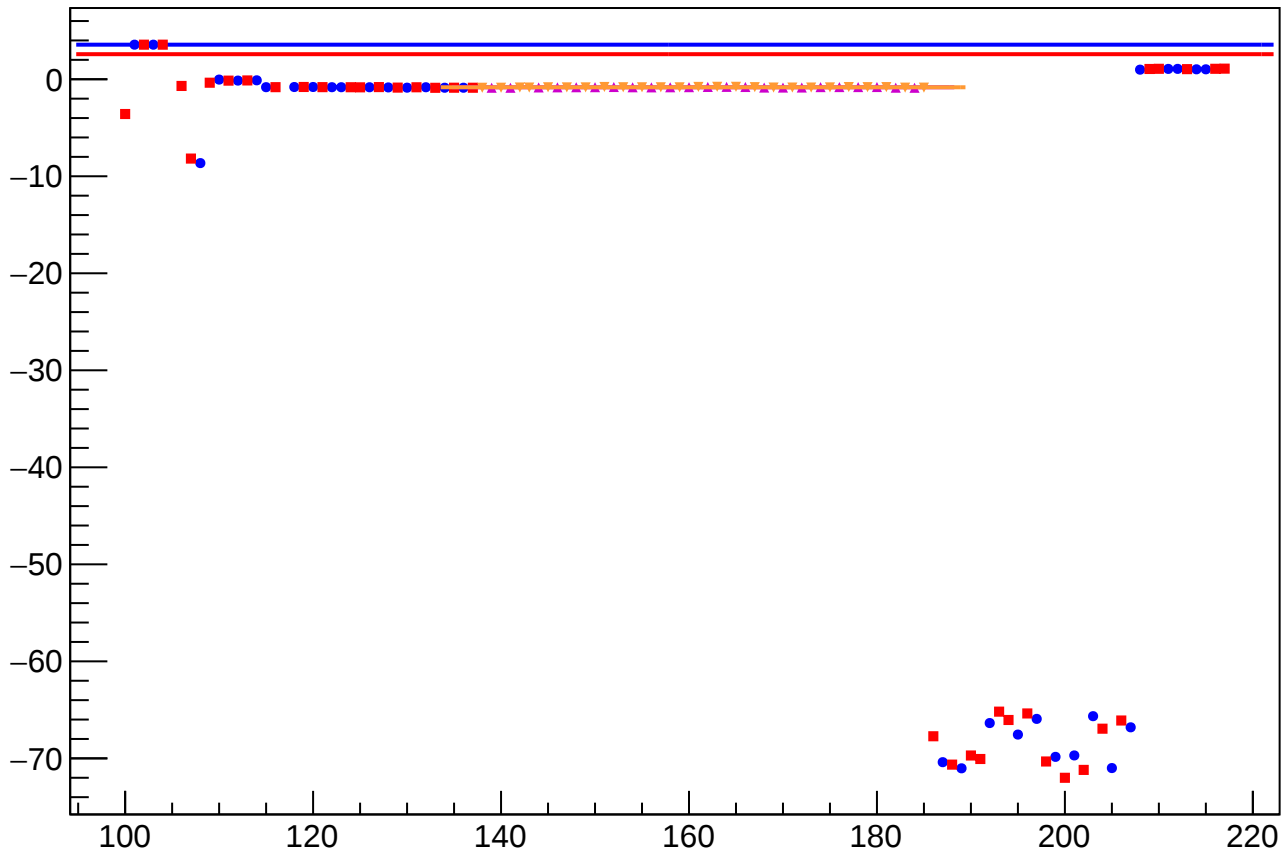
Left In: 0.029+/-0.000 χ^2/NDF :1206492.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 59540179.8/56

All: 0.000+/-0.000 χ^2/NDF : 119638389.6/115

- sign 0.000+/-0.000 χ^2/NDF : 60097513.8/58

yield_cav4bY_mean vs Slug



Right In: 3.563+/-0.000 χ^2/NDF : 553856763080.9/31

Left Out: -0.827+/-0.000 χ^2/NDF : 170052639.9/24

Right Out: 2.583+/-0.000 χ^2/NDF : 1253555643634191.2/35

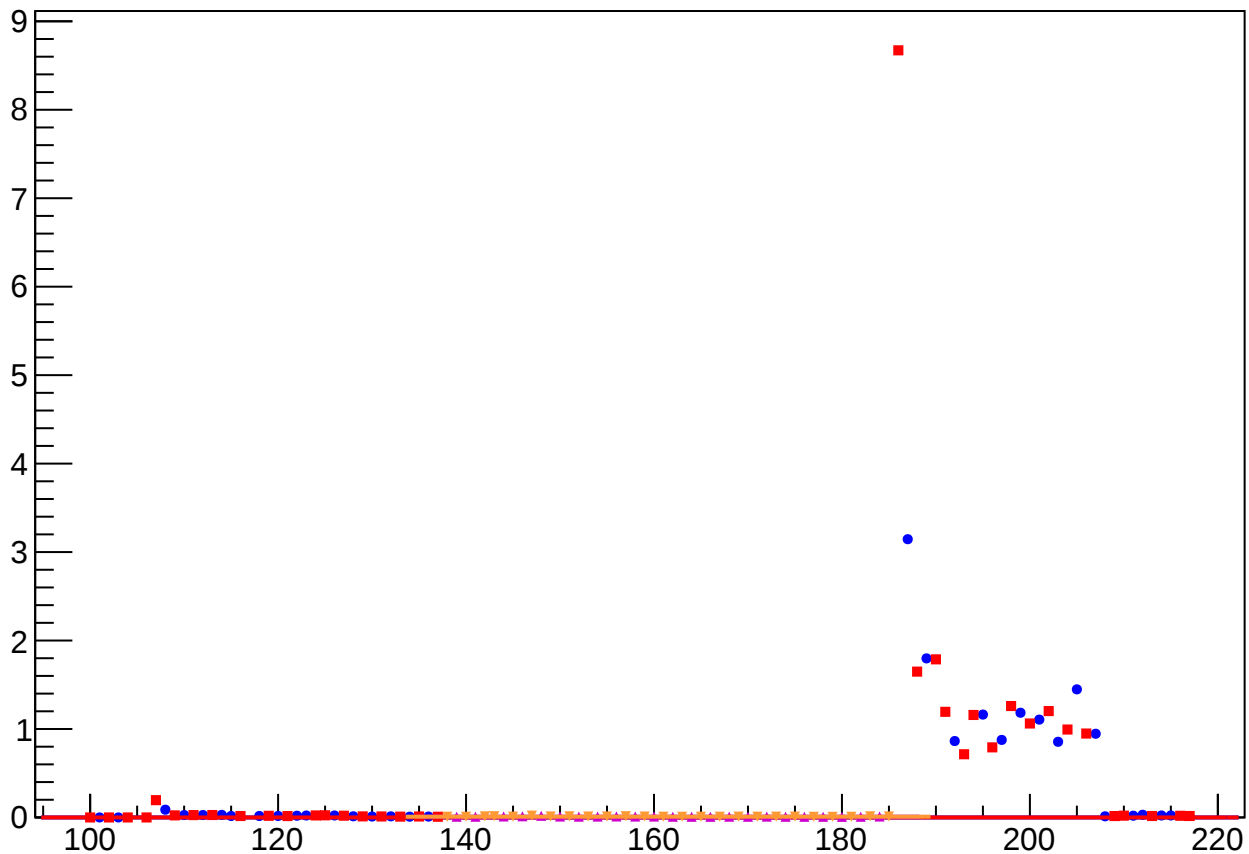
Left In: -0.827+/-0.000 χ^2/NDF : 174130375.4/22

+ sign 3.560+/-0.000 χ^2/NDF : 4250178254076.7/56

All: 3.038+/-0.000 χ^2/NDF : 13881049271593

- sign 2.581+/-0.000 χ^2/NDF : 1255776661685842.0

yield_cav4bY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 26952182.6/31

Left Out: 0.009+/-0.000 χ^2/NDF :1455379.3/24

Right Out: 0.000+/-0.000 χ^2/NDF : 29536537.1/35

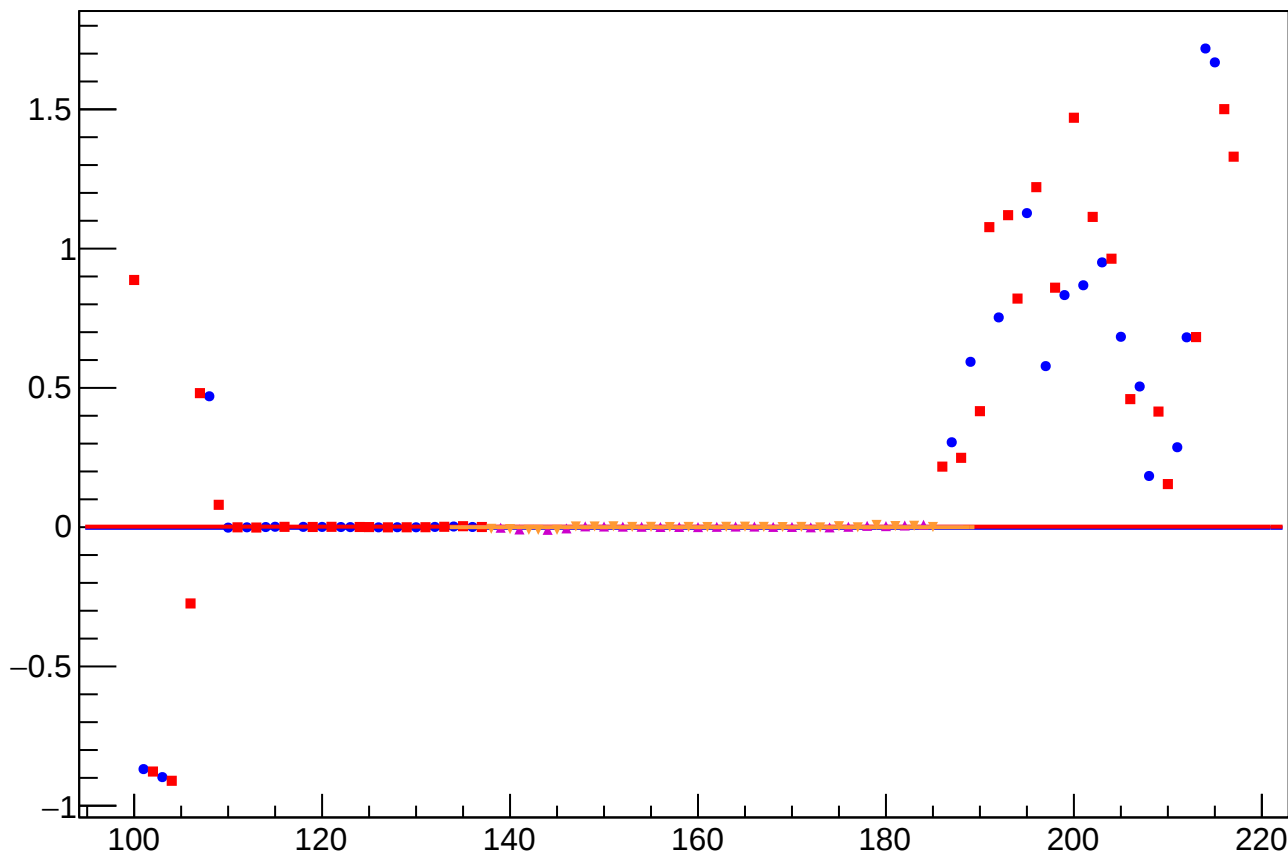
Left In: 0.009+/-0.000 χ^2/NDF :1042123.1/22

+ sign 0.000+/-0.000 χ^2/NDF : 58456714.3/56

All: 0.000+/-0.000 χ^2/NDF : 117796474.4/115

- sign 0.000+/-0.000 χ^2/NDF : 59338783.7/58

yield_cav4cX_mean vs Slug



Right In: -0.002 ± 0.000 $\chi^2/\text{NDF}: 9797189528.9/31$

Left Out: -0.000 ± 0.000 $\chi^2/\text{NDF}: 151559332.0/24$

Right Out: 0.002 ± 0.000 $\chi^2/\text{NDF}: 3044218268.8/35$

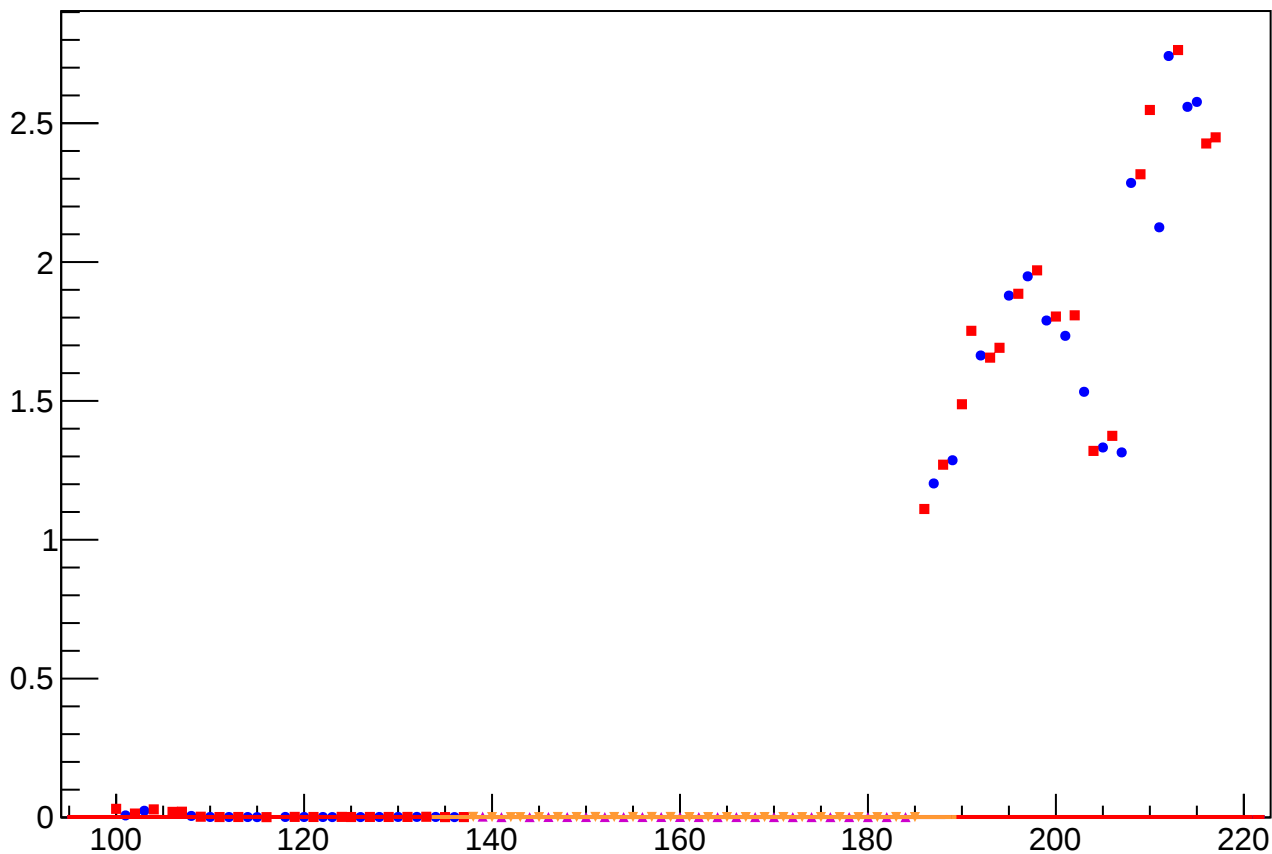
Left In: 0.001 ± 0.000 $\chi^2/\text{NDF}: 101468517.6/22$

+ sign -0.001 ± 0.000 $\chi^2/\text{NDF}: 9955704990.3/56$

All: 0.000 ± 0.000 $\chi^2/\text{NDF}: 13110923327.6/1$

- sign 0.001 ± 0.000 $\chi^2/\text{NDF}: 3147666794.3/58$

yield_cav4cX_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 22631303.0/31

Left Out: 0.001+/-0.000 χ^2/NDF :539040.4/24

Right Out: 0.002+/-0.000 χ^2/NDF : 25588681.5/35

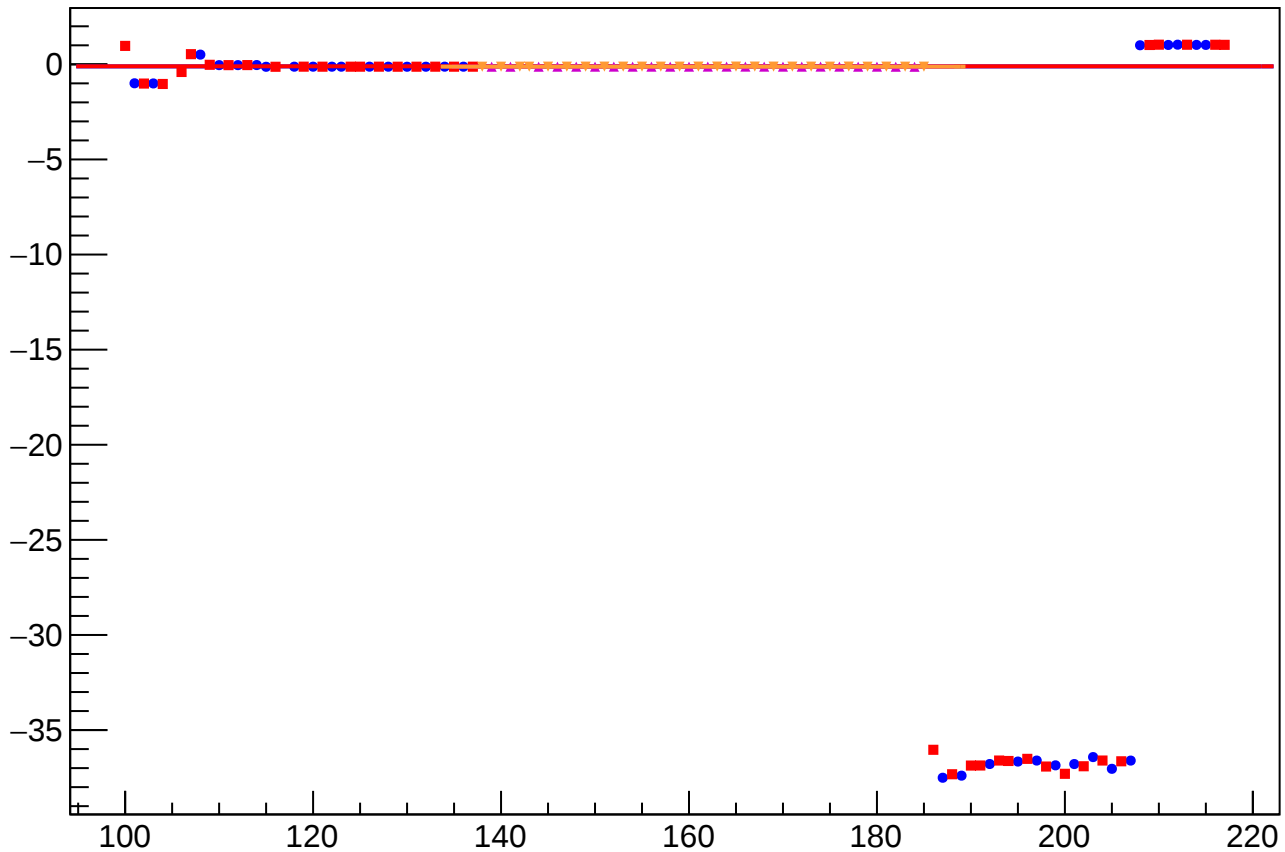
Left In: 0.001+/-0.000 χ^2/NDF :659543.3/22

+ sign 0.002+/-0.000 χ^2/NDF : 23242721.4/56

All: 0.002+/-0.000 χ^2/NDF : 49610541.1/115

- sign 0.002+/-0.000 χ^2/NDF : 26359913.7/58

yield_cav4cY_mean vs Slug



Right In: -0.109 ± 0.000 $\chi^2/\text{NDF}: 92062978438.5/31$

Left Out: -0.121 ± 0.000 $\chi^2/\text{NDF}: 58329026.8/24$

Right Out: -0.102 ± 0.000 $\chi^2/\text{NDF}: 98579699567.9/35$

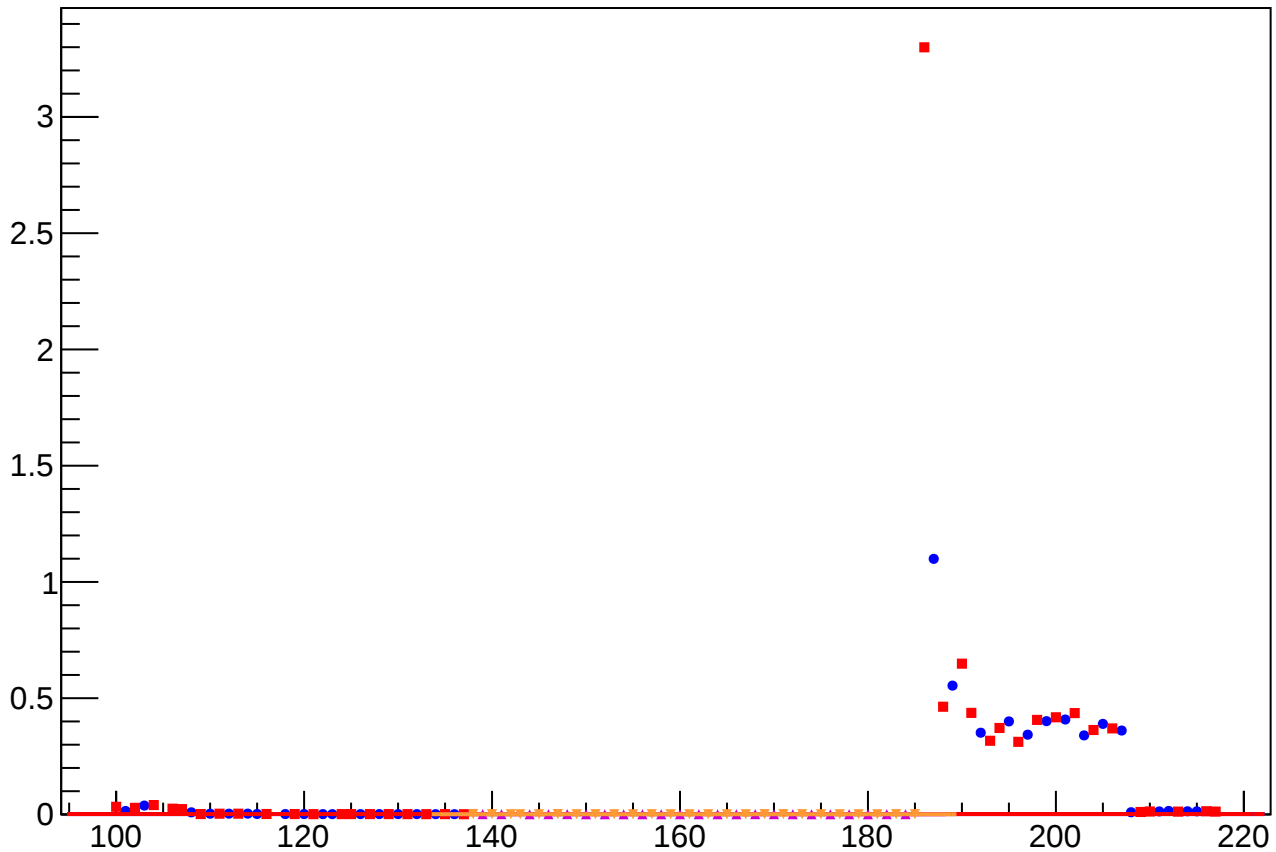
Left In: -0.121 ± 0.000 $\chi^2/\text{NDF}: 53134323.3/22$

+ sign -0.120 ± 0.000 $\chi^2/\text{NDF}: 92381408875.2/56$

All: -0.119 ± 0.000 $\chi^2/\text{NDF}: 191611716082.2/100$

- sign -0.119 ± 0.000 $\chi^2/\text{NDF}: 99222785495.0/58$

yield_cav4cY_rms vs Slug



Right In: 0.002+/-0.000 χ^2/NDF : 21265493.7/31

Left Out: 0.001+/-0.000 χ^2/NDF :1362851.8/24

Right Out: 0.002+/-0.000 χ^2/NDF : 23779297.8/35

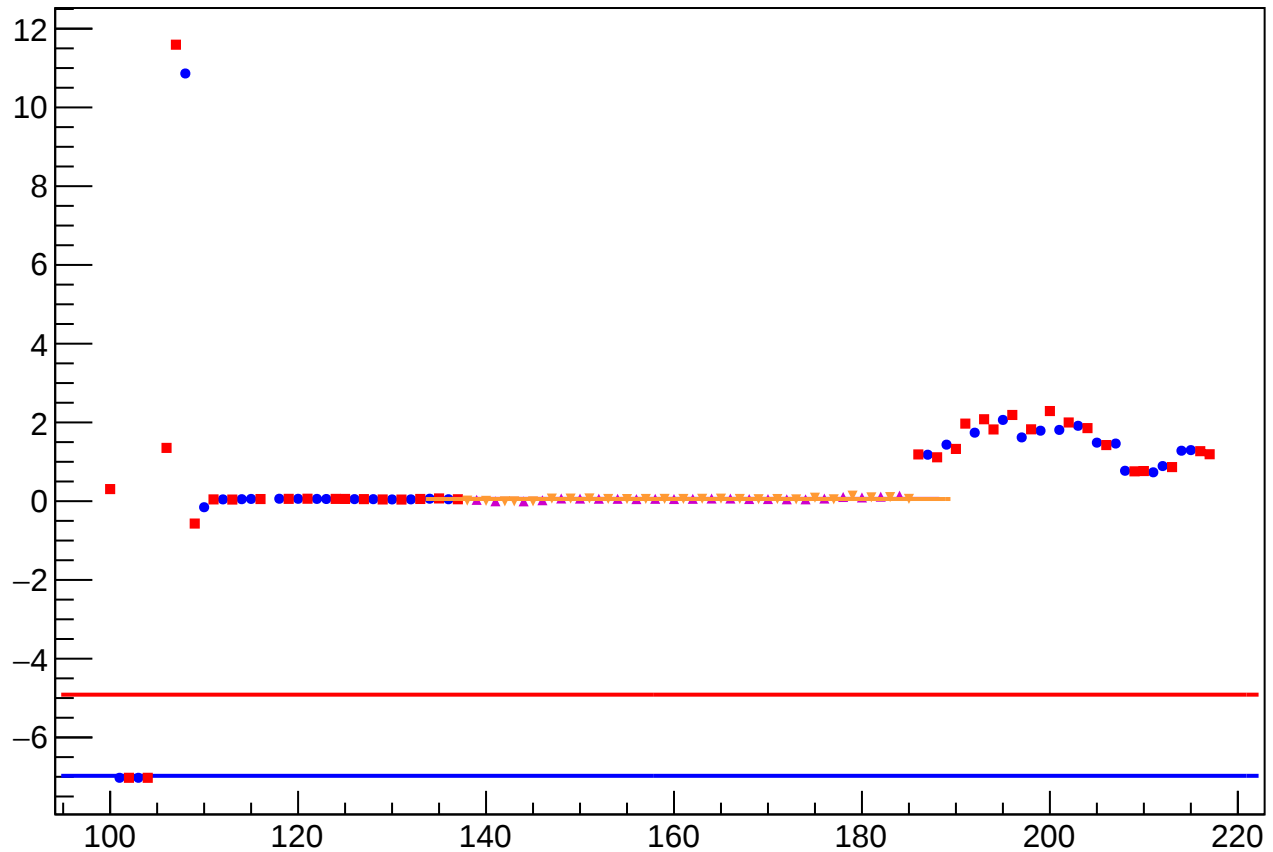
Left In: 0.001+/-0.000 χ^2/NDF :972588.0/22

+ sign 0.001+/-0.000 χ^2/NDF : 24368915.4/56

All: 0.001+/-0.000 χ^2/NDF : 50853246.8/115

- sign 0.001+/-0.000 χ^2/NDF : 26481474.5/58

yield_cav4dX_mean vs Slug



Right In: -6.975 ± 0.000 χ^2/NDF : 8763062881104.3/31

Left Out: 0.055 ± 0.000 χ^2/NDF : 243733184.3/24

Right Out: -4.914 ± 0.000 χ^2/NDF : 365348903601656.3/35

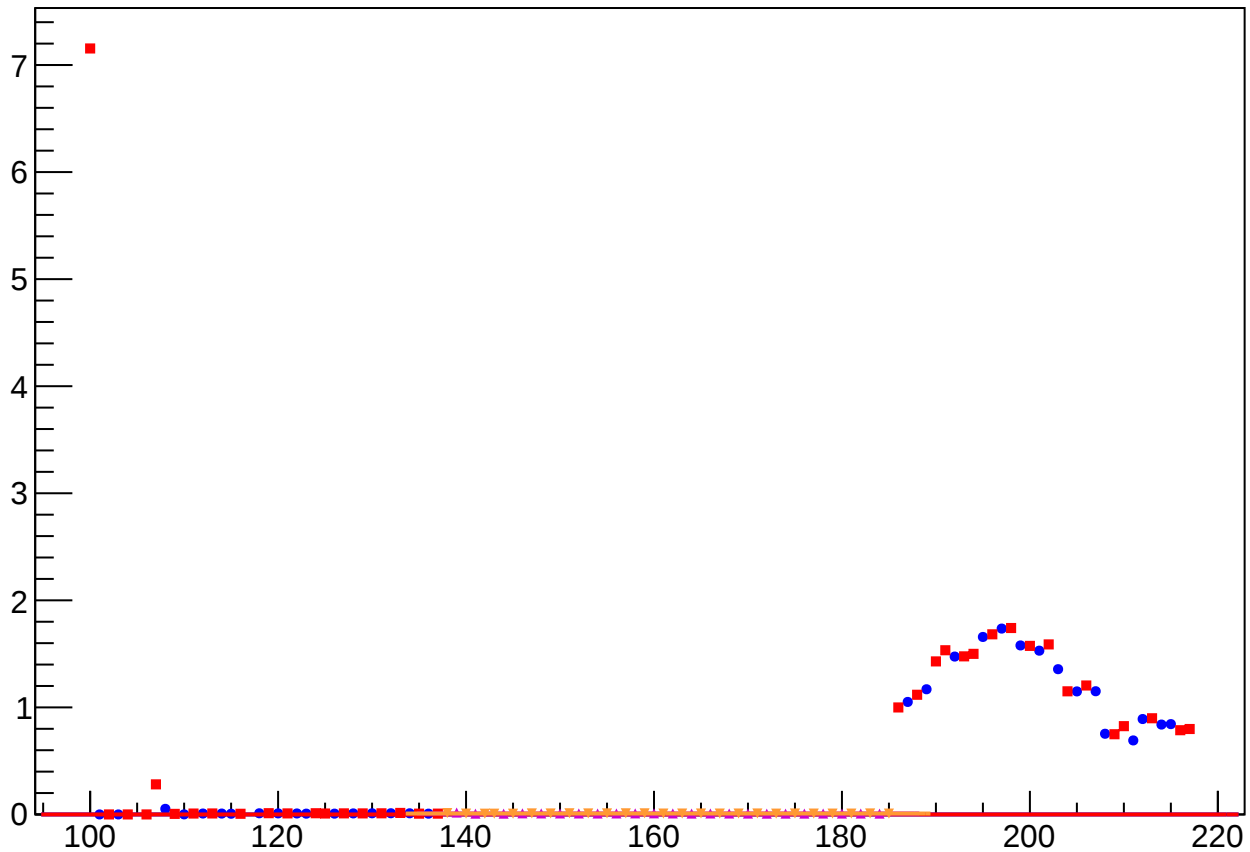
Left In: 0.059 ± 0.000 χ^2/NDF : 178713649.9/22

+ sign -6.921 ± 0.000 χ^2/NDF : 18418045590780.8/31

All: -5.858 ± 0.000 χ^2/NDF : 4435821075614.3/35

- sign -4.882 ± 0.000 χ^2/NDF : 369771191918210.2/35

yield_cav4dX_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 28961304.6/31

Left Out: 0.009+/-0.000 χ^2/NDF : 513737.0/24

Right Out: 0.000+/-0.000 χ^2/NDF : 31354075.2/35

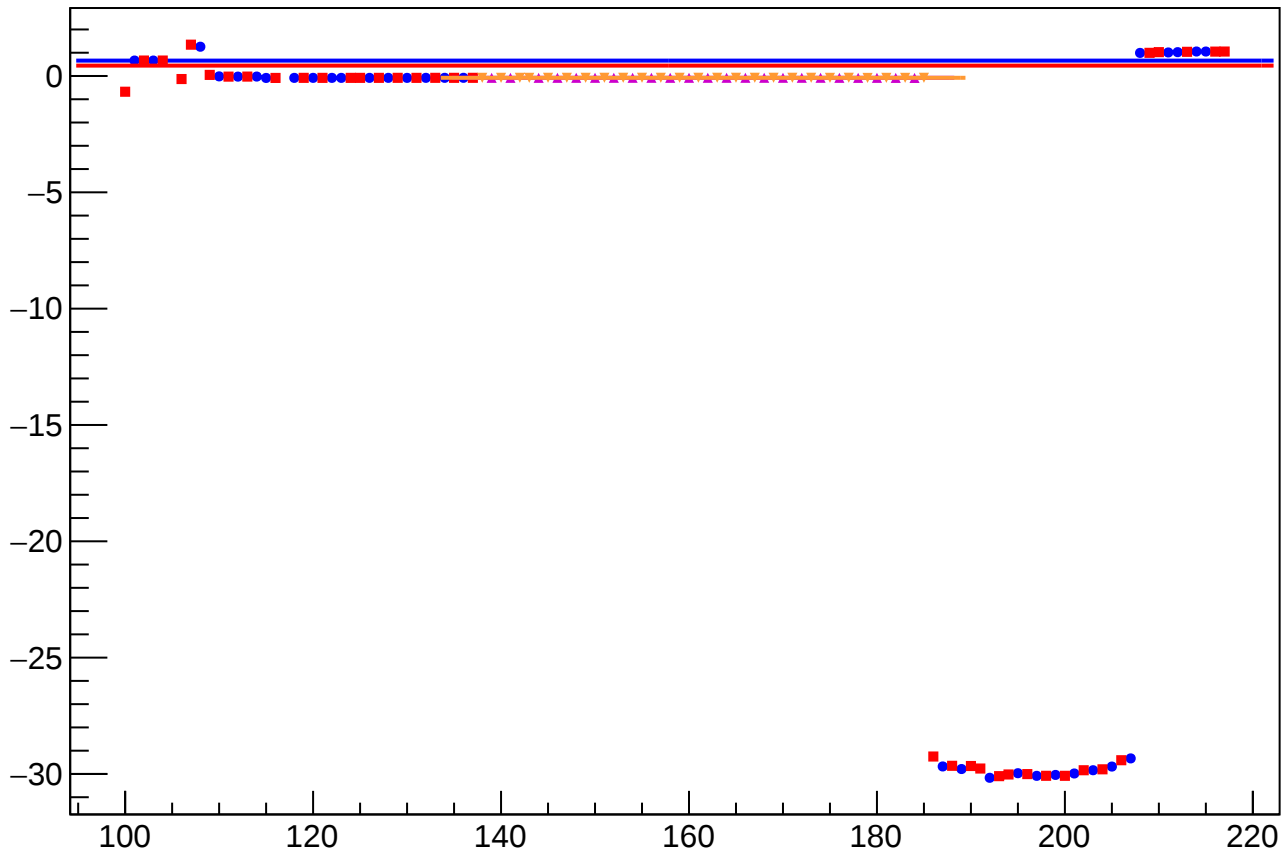
Left In: 0.009+/-0.000 χ^2/NDF : 636557.9/22

+ sign 0.000+/-0.000 χ^2/NDF : 57946974.0/56

All: 0.000+/-0.000 χ^2/NDF : 116977942.0/115

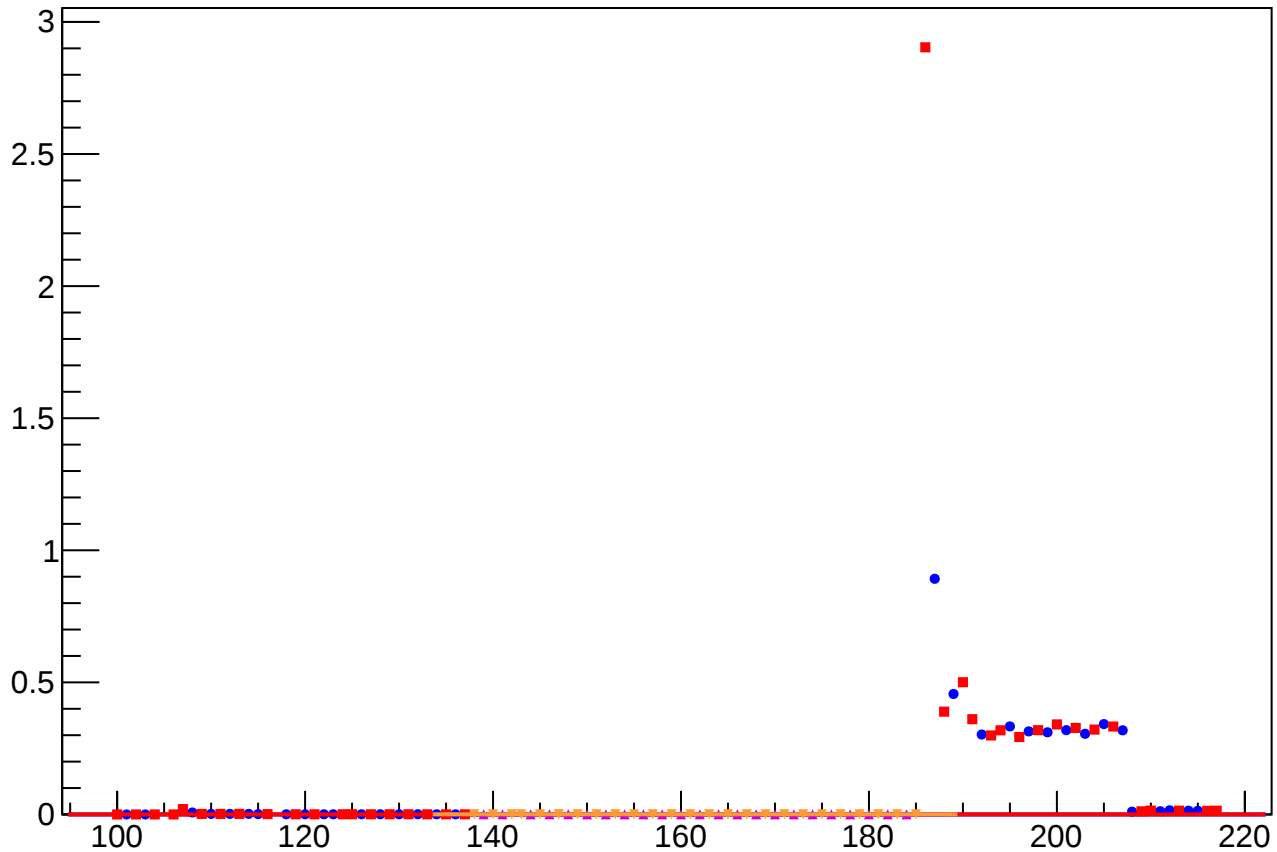
- sign 0.000+/-0.000 χ^2/NDF : 59026493.9/58

yield_cav4dY_mean vs Slug



Right In: 0.661 ± 0.000 $\chi^2/\text{NDF}: 5648377896693.6/31$
 Left Out: -0.078 ± 0.000 $\chi^2/\text{NDF}: 156525648.0/24$ + sign 0.646 ± 0.000 $\chi^2/\text{NDF}: 35816059646158.3/5$
 Right Out: 0.446 ± 0.000 $\chi^2/\text{NDF}: 405485244489401.0/35$ All: 0.537 ± 0.000 $\chi^2/\text{NDF}: 51611302490053$
 Left In: -0.077 ± 0.000 $\chi^2/\text{NDF}: 111221084.5/22$ - sign 0.437 ± 0.000 $\chi^2/\text{NDF}: 419716969983396.3/$

yield_cav4dY_rms vs Slug



Right In: 0.000+/-0.000 χ^2/NDF : 30358126.2/31

Left Out: 0.001+/-0.000 χ^2/NDF : 466355.6/24

Right Out: 0.000+/-0.000 χ^2/NDF : 31883858.8/35

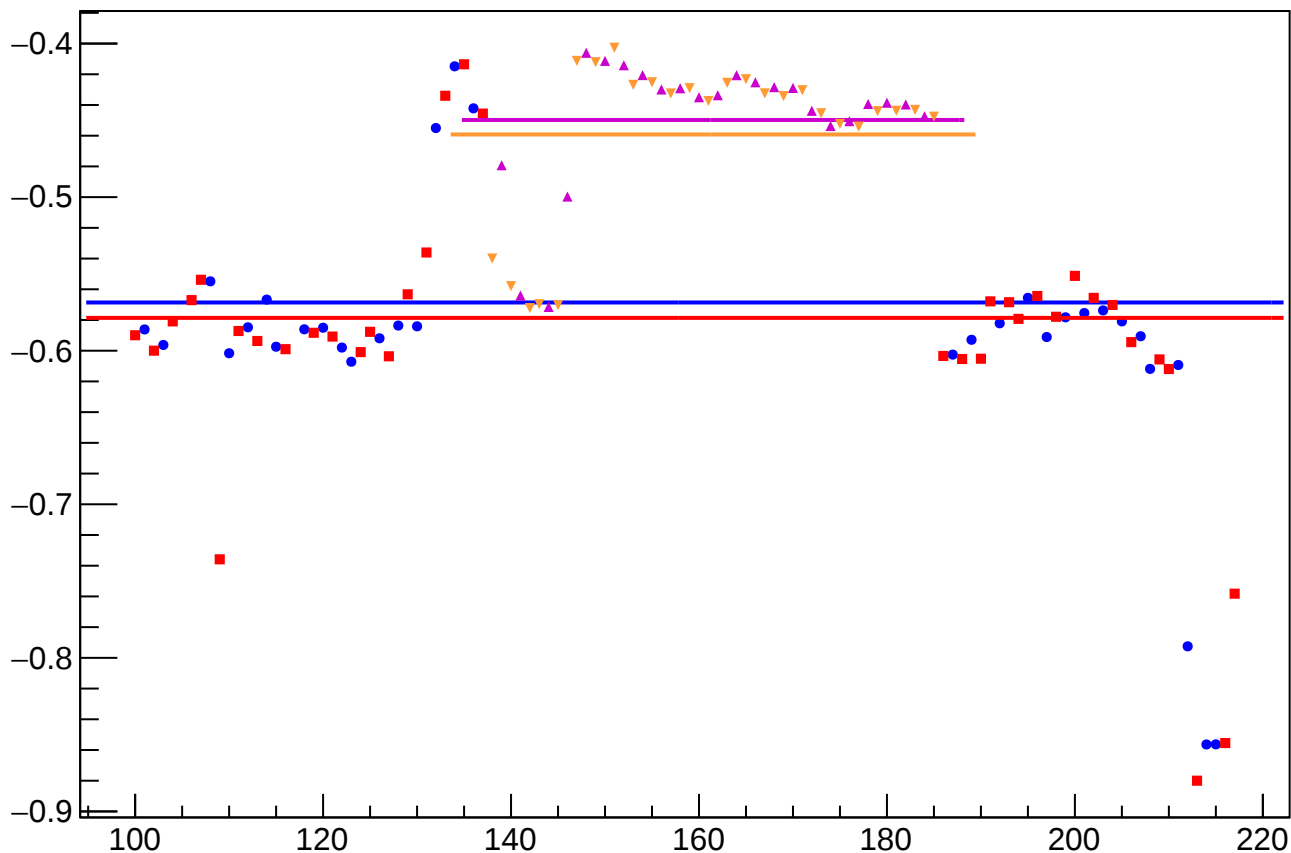
Left In: 0.001+/-0.000 χ^2/NDF : 355587.5/22

+ sign 0.000+/-0.000 χ^2/NDF : 62995090.4/56

All: 0.000+/-0.000 χ^2/NDF : 125912372.4/115

- sign 0.000+/-0.000 χ^2/NDF : 62910059.7/58

yield_bpm4aX_mean vs Slug



Right In: -0.569 ± 0.000 χ^2/NDF : 105007659.3/31

Left Out: -0.459 ± 0.000 χ^2/NDF : 113808762.6/24

Right Out: -0.579 ± 0.000 χ^2/NDF : 119587299.5/35

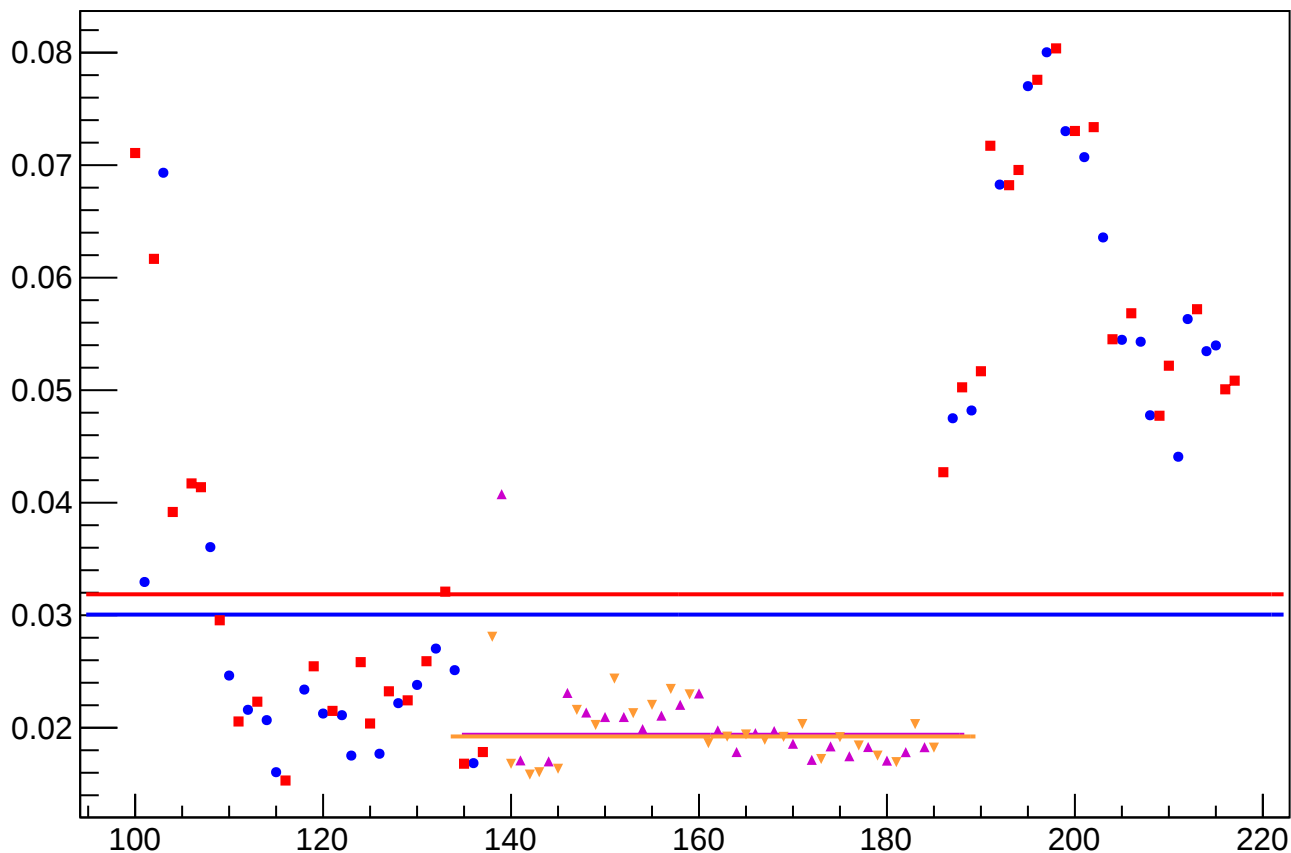
Left In: -0.450 ± 0.000 χ^2/NDF : 76151485.7/22

+ sign -0.487 ± 0.000 χ^2/NDF : 339381516.7/56

All: -0.485 ± 0.000 χ^2/NDF : 697327296.3/11

- sign -0.483 ± 0.000 χ^2/NDF : 357673724.2/58

yield_bpm4aX_rms vs Slug



Right In: 0.030 $\pm$ 0.000 χ^2 /NDF: 7502578.5/31

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF: 501253.7/24

Right Out: 0.032 $\pm$ 0.000 χ^2 /NDF: 7597554.7/35

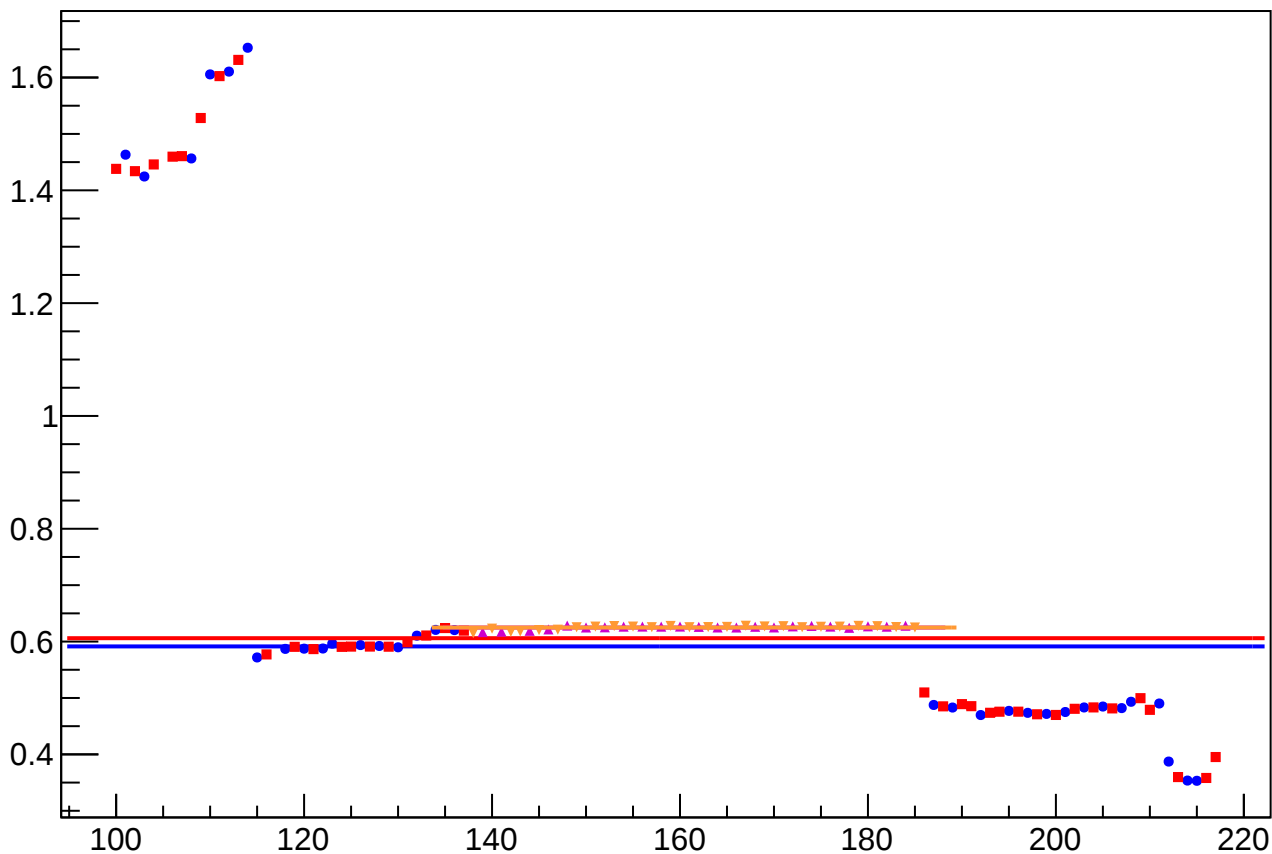
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF: 656155.9/22

+ sign 0.022 $\pm$ 0.000 χ^2 /NDF: 10367624.5/56

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 21685315.9/115

- sign 0.023 $\pm$ 0.000 χ^2 /NDF: 11292589.4/58

yield_bpm4aY_mean vs Slug



Right In: 0.591+/-0.000 χ^2/NDF : 5490821464.7/31

Left Out: 0.625+/-0.000 χ^2/NDF : 1442225.6/24

Right Out: 0.606+/-0.000 χ^2/NDF : 6584330350.0/35

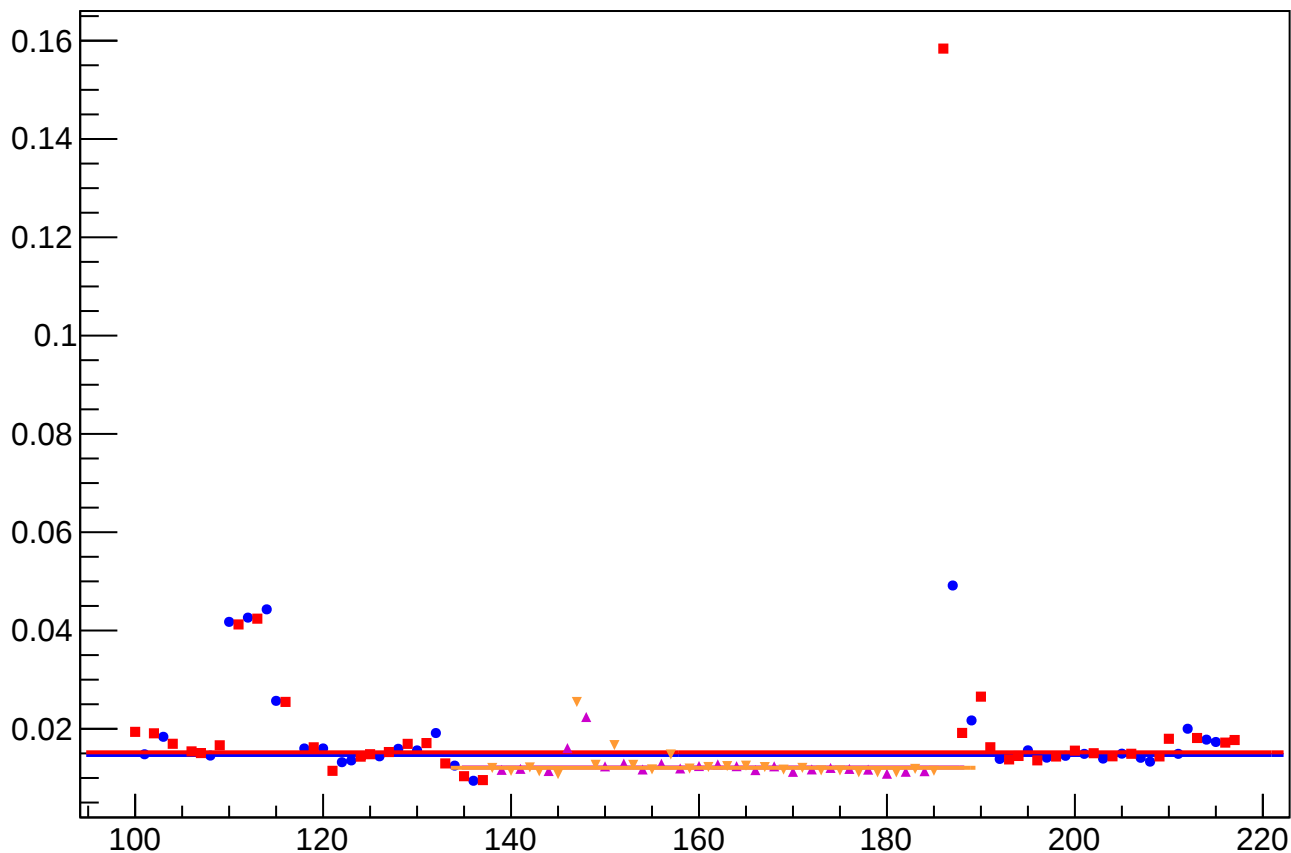
Left In: 0.625+/-0.000 χ^2/NDF : 1135039.4/22

+ sign 0.612+/-0.000 χ^2/NDF : 5543160430.9/56

All: 0.615+/-0.000 χ^2/NDF : 12146860676.3/100

- sign 0.618+/-0.000 χ^2/NDF : 6601175334.9/58

yield_bpm4aY_rms vs Slug



Right In: 0.015 $\pm$ 0.000 χ^2 /NDF: 1848945.0/31

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF: 657433.9/24

Right Out: 0.015 $\pm$ 0.000 χ^2 /NDF: 2208806.4/35

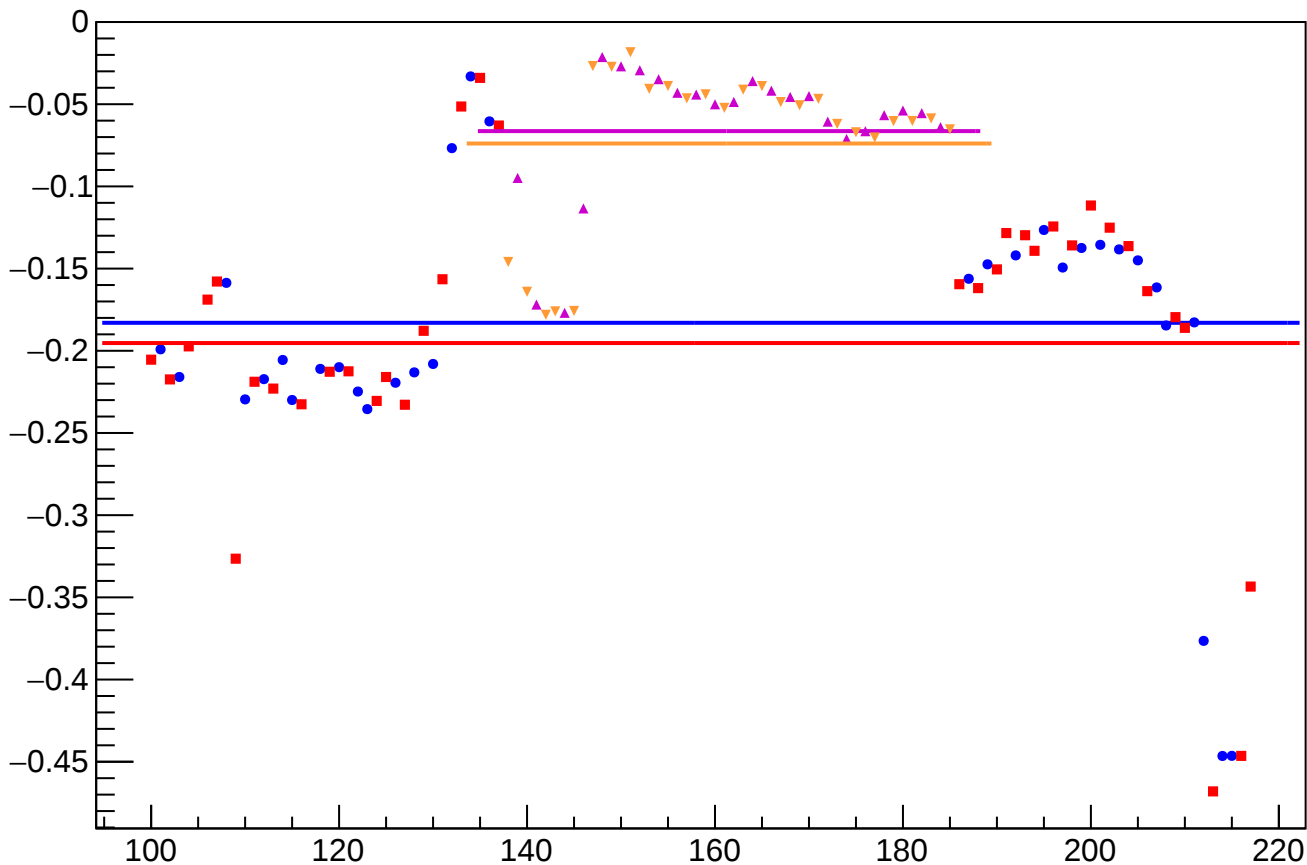
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF: 488249.4/22

+ sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3124689.3/56

All: 0.013 $\pm$ 0.000 χ^2 /NDF: 6678381.5/115

- sign 0.013 $\pm$ 0.000 χ^2 /NDF: 3538711.4/58

yield_bpm4eX_mean vs Slug



Right In: -0.183 ± 0.000 χ^2/NDF : 119823010.0/31

Left Out: -0.074 ± 0.000 χ^2/NDF : 107858881.3/24

Right Out: -0.195 ± 0.000 χ^2/NDF : 134102420.4/35

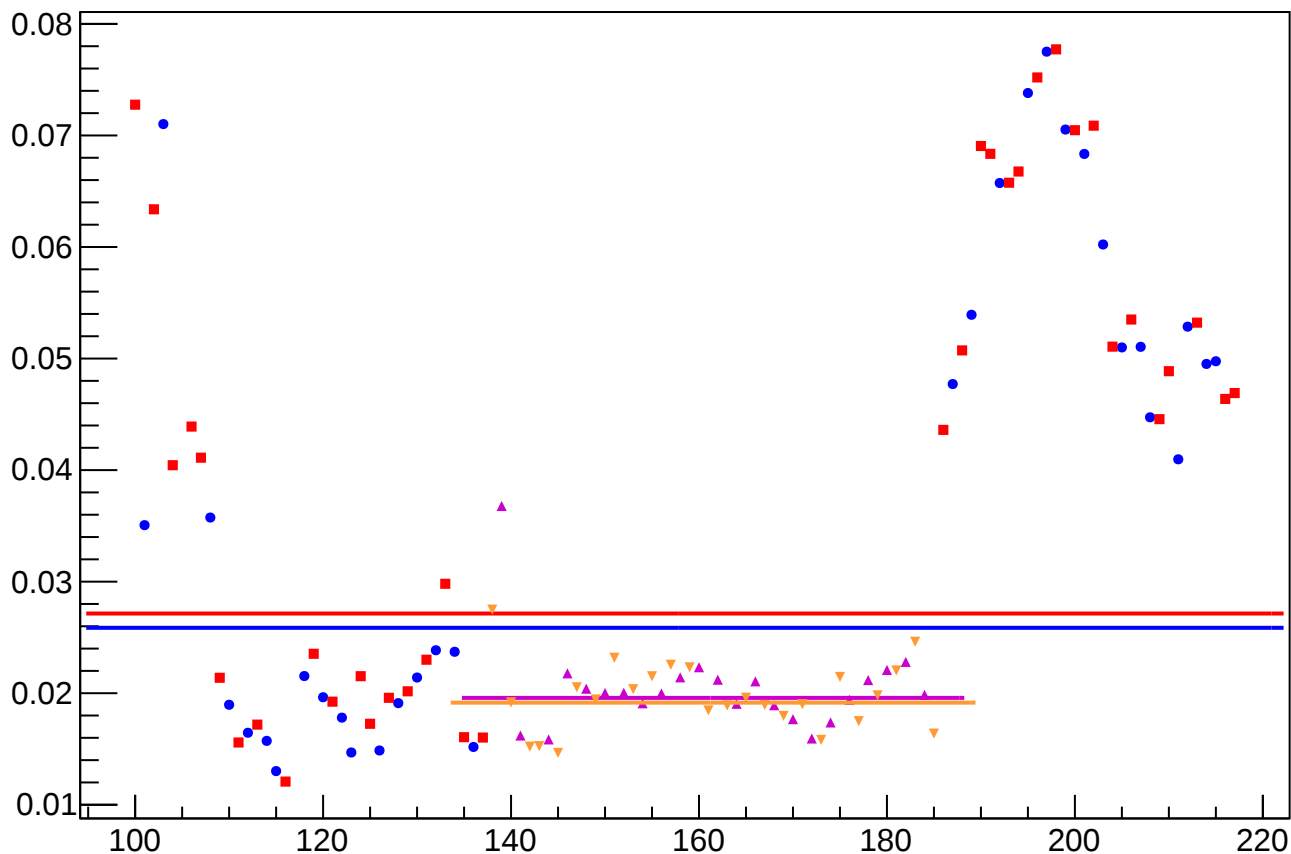
Left In: -0.066 ± 0.000 χ^2/NDF : 76283954.4/22

+ sign -0.106 ± 0.000 χ^2/NDF : 372088272.8/56

All: -0.106 ± 0.000 χ^2/NDF : 777114039.6/11

- sign -0.107 ± 0.000 χ^2/NDF : 405014787.4/58

yield_bpm4eX_rms vs Slug



Right In: 0.026 $\pm$ 0.000 χ^2 /NDF: 8789078.4/31

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:641027.3/24

Right Out: 0.027 $\pm$ 0.000 χ^2 /NDF: 9292400.1/35

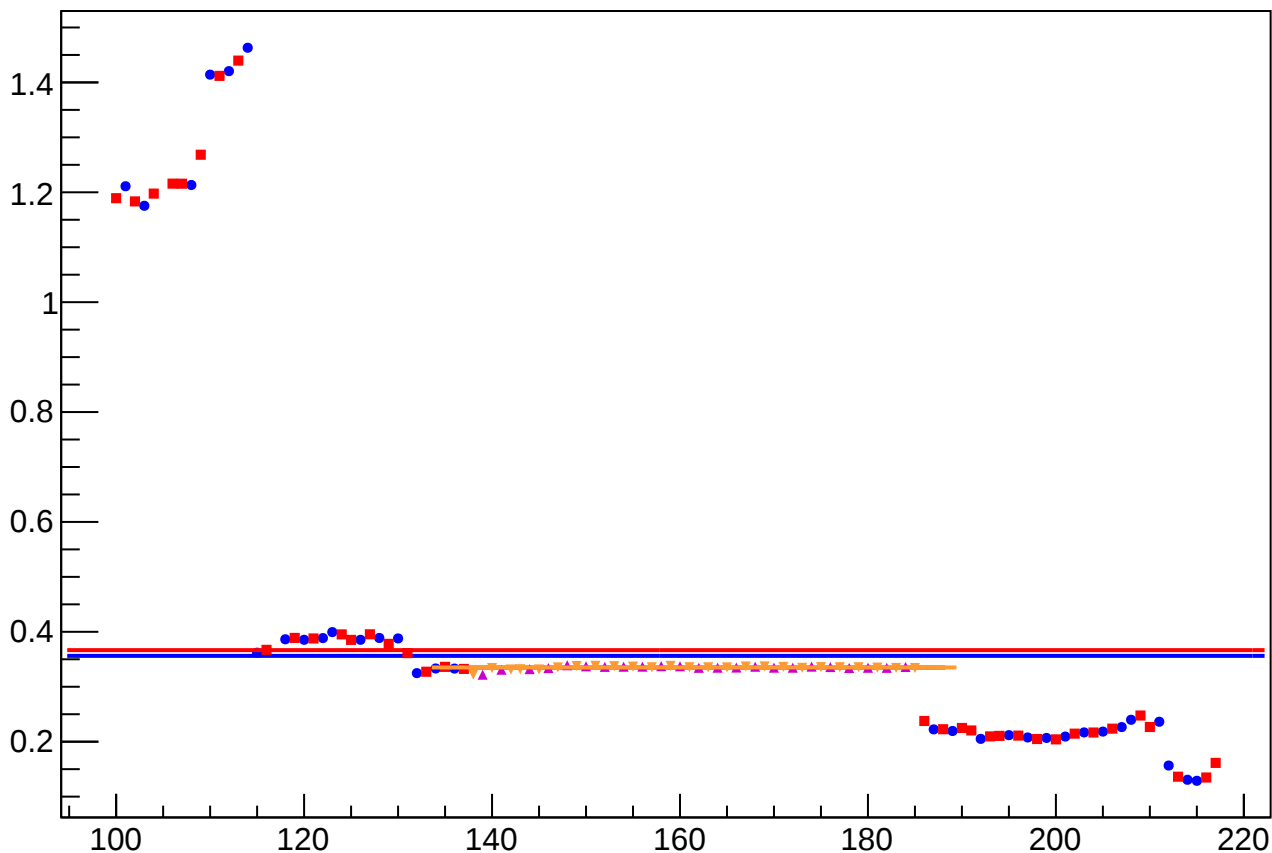
Left In: 0.020 $\pm$ 0.000 χ^2 /NDF:651328.7/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 10522871.4/56

All: 0.022 $\pm$ 0.000 χ^2 /NDF: 21843871.7/115

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 11283649.8/58

yield_bpm4eY_mean vs Slug



Right In: 0.356+/-0.000 χ^2/NDF : 7930449959.1/31

Left Out: 0.335+/-0.000 χ^2/NDF :1153956.7/24

Right Out: 0.367+/-0.000 χ^2/NDF : 9074851395.5/35

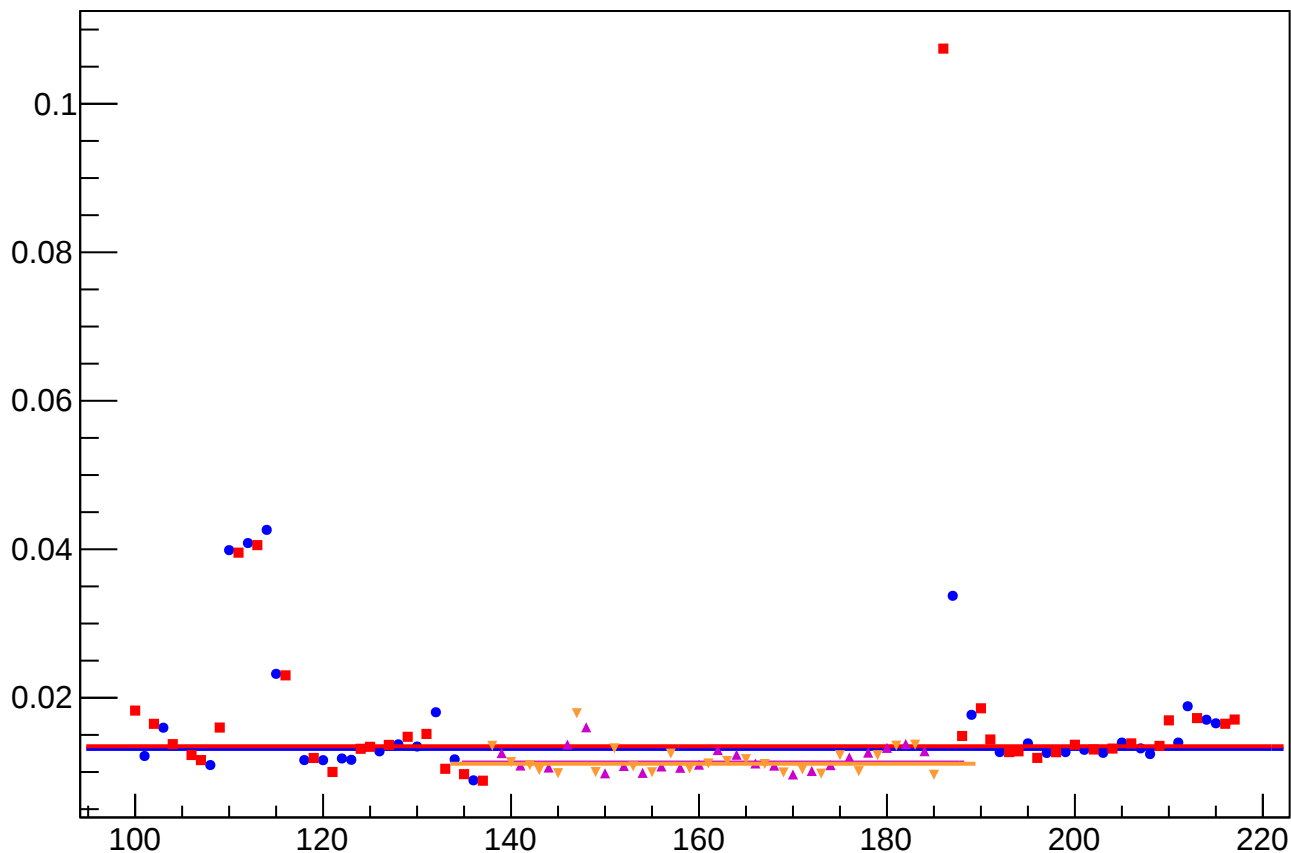
Left In: 0.335+/-0.000 χ^2/NDF :1198302.8/22

+ sign 0.343+/-0.000 χ^2/NDF : 7956321091.9/56

All: 0.346+/-0.000 χ^2/NDF : 17088798471.5/100

- sign 0.348+/-0.000 χ^2/NDF : 9129979010.5/58

yield_bpm4eY_rms vs Slug



Right In: 0.013 $\pm$ 0.000 χ^2 /NDF: 1829139.1/31

Left Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 608235.7/24

Right Out: 0.013 $\pm$ 0.000 χ^2 /NDF: 2209776.6/35

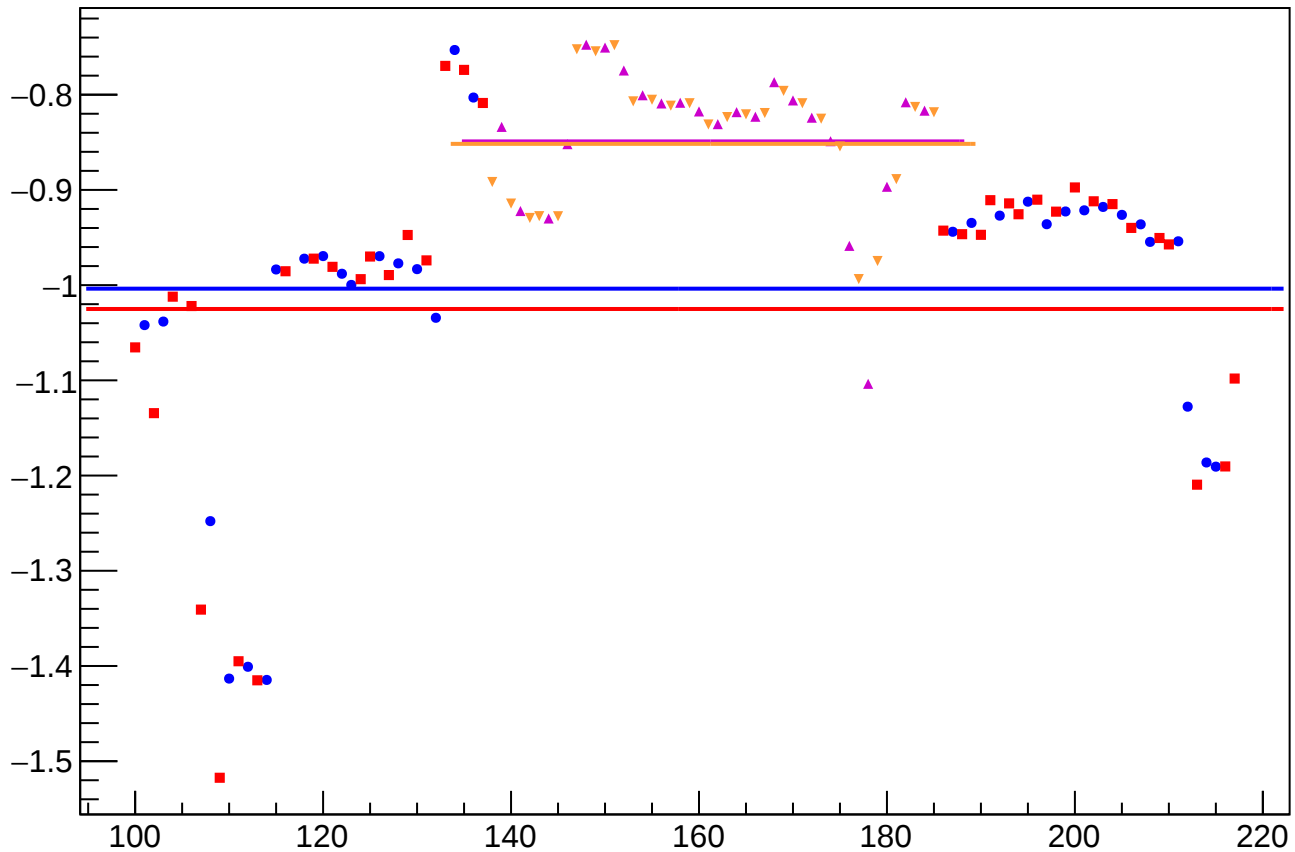
Left In: 0.011 $\pm$ 0.000 χ^2 /NDF: 502226.7/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 2877868.0/56

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 6127824.5/115

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 3231676.6/58

yield_bpm4acX_mean vs Slug



Right In: -1.004 ± 0.000 $\chi^2/\text{NDF}: 426603393.9/31$

Left Out: -0.852 ± 0.000 $\chi^2/\text{NDF}: 189276591.7/24$

Right Out: -1.025 ± 0.000 $\chi^2/\text{NDF}: 577169915.1/35$

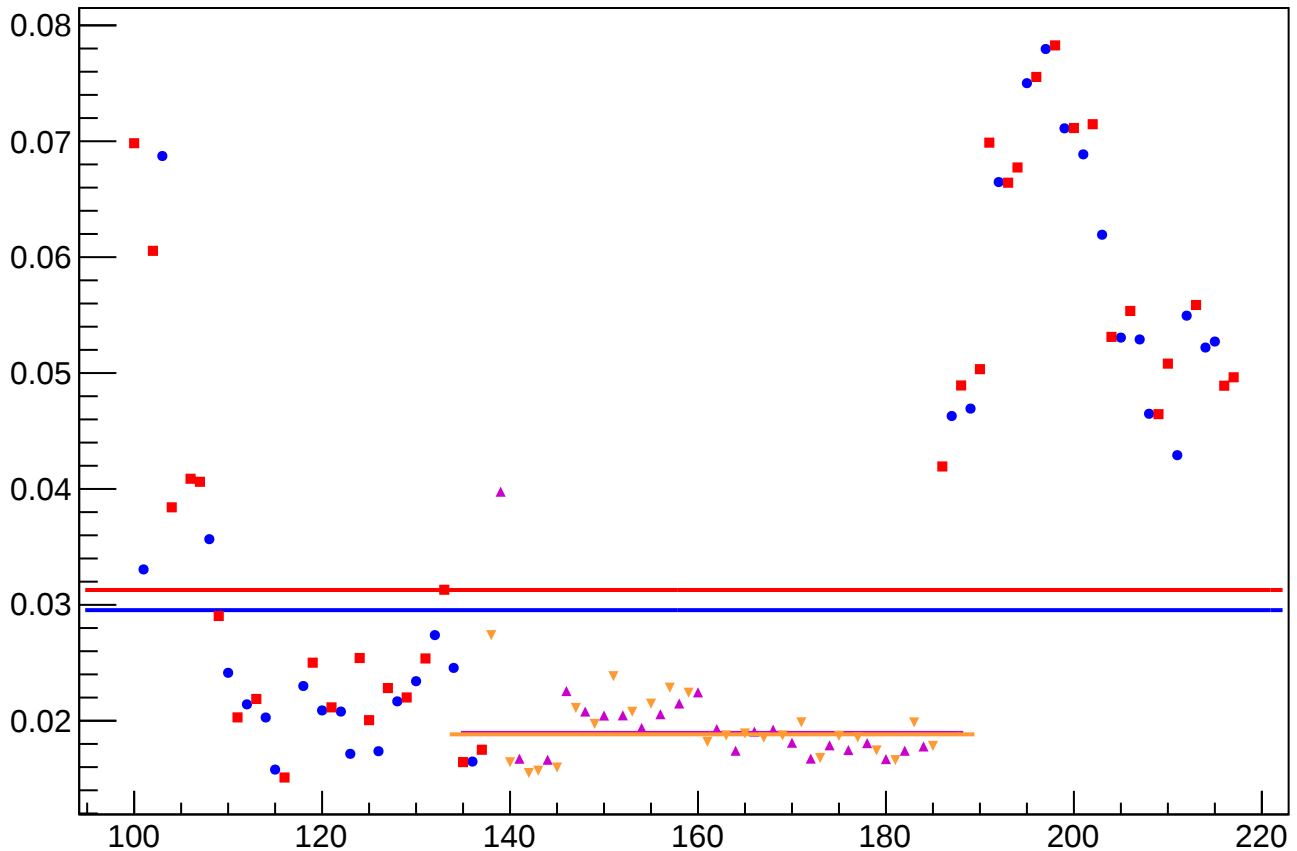
Left In: -0.849 ± 0.000 $\chi^2/\text{NDF}: 256438306.8/22$

+ sign -0.890 ± 0.000 $\chi^2/\text{NDF}: 857957588.3/56$

All: -0.892 ± 0.000 $\chi^2/\text{NDF}: 2006803219.9/1$

- sign -0.895 ± 0.000 $\chi^2/\text{NDF}: 1148133392.6/58$

yield_bpm4acX_rms vs Slug



Right In: 0.030+/-0.000 χ^2/NDF : 7439380.8/31

Left Out: 0.019+/-0.000 χ^2/NDF : 490084.5/24

Right Out: 0.031+/-0.000 χ^2/NDF : 7511207.7/35

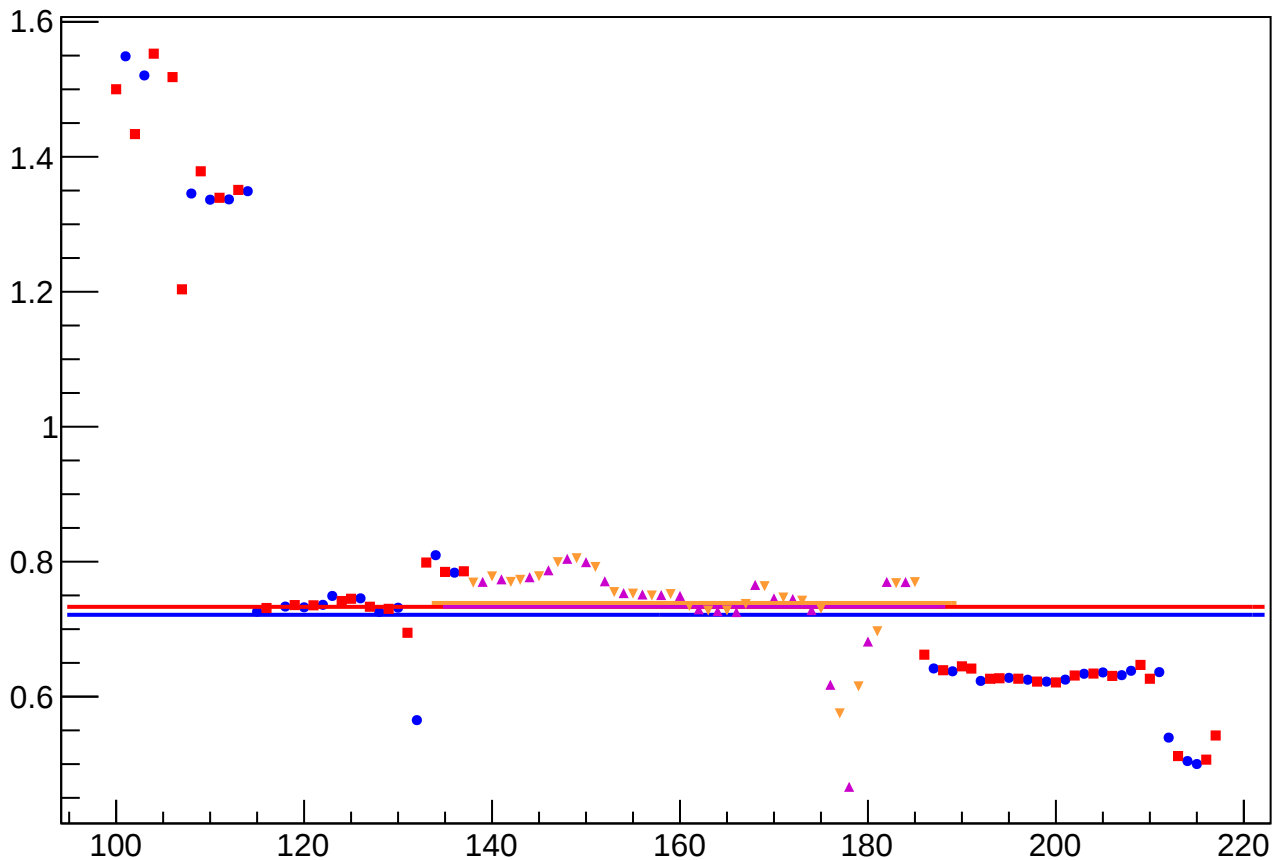
Left In: 0.019+/-0.000 χ^2/NDF : 645048.1/22

+ sign 0.022+/-0.000 χ^2/NDF : 10333318.4/56

All: 0.022+/-0.000 χ^2/NDF : 21600751.1/115

- sign 0.022+/-0.000 χ^2/NDF : 11244710.5/58

yield_bpm4acY_mean vs Slug



Right In: 0.721 ± 0.000 $\chi^2/\text{NDF}: 3823700200.6/31$

Left Out: 0.739 ± 0.000 $\chi^2/\text{NDF}: 333086309.0/24$

+ sign 0.732 ± 0.000 $\chi^2/\text{NDF}: 4170614975.1/56$

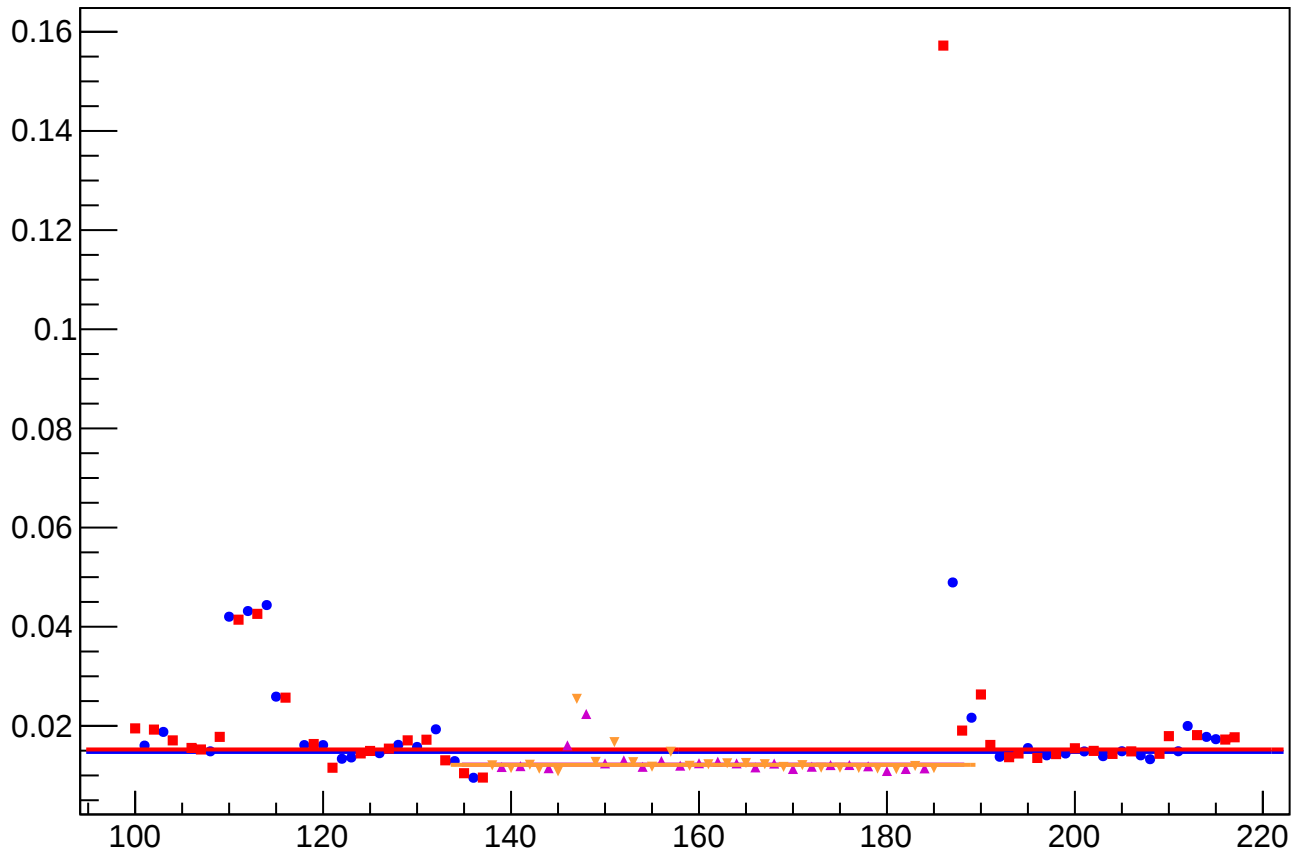
Right Out: 0.733 ± 0.000 $\chi^2/\text{NDF}: 4186838710.7/35$

All: 0.733 ± 0.000 $\chi^2/\text{NDF}: 8927814039.9/11$

- sign 0.733 ± 0.000 $\chi^2/\text{NDF}: 4757106182.2/58$

Left In: 0.733 ± 0.000 $\chi^2/\text{NDF}: 570264411.7/22$

yield_bpm4acY_rms vs Slug



Right In: 0.015+/-0.000 χ^2/NDF : 1843271.5/31

Left Out: 0.012+/-0.000 χ^2/NDF : 638211.9/24

Right Out: 0.015+/-0.000 χ^2/NDF : 2210512.0/35

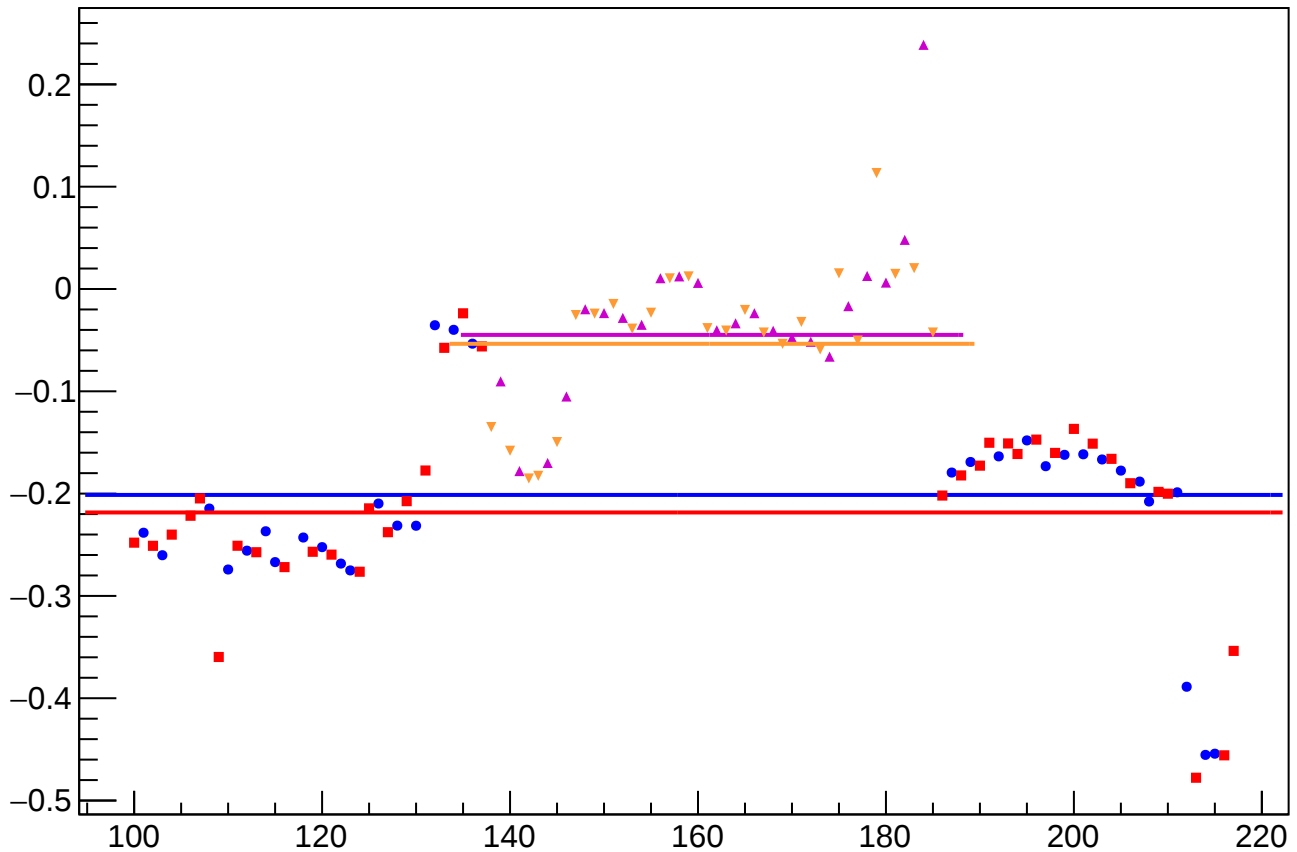
Left In: 0.012+/-0.000 χ^2/NDF : 481639.6/22

+ sign 0.013+/-0.000 χ^2/NDF : 3089506.7/56

All: 0.013+/-0.000 χ^2/NDF : 6613259.2/115

- sign 0.013+/-0.000 χ^2/NDF : 3511088.3/58

yield_bpm4ecX_mean vs Slug



Right In: -0.201 ± 0.000 χ^2/NDF : 153397460.0/31

Left Out: -0.054 ± 0.000 χ^2/NDF : 167879648.0/24

Right Out: -0.218 ± 0.000 χ^2/NDF : 155496543.4/35

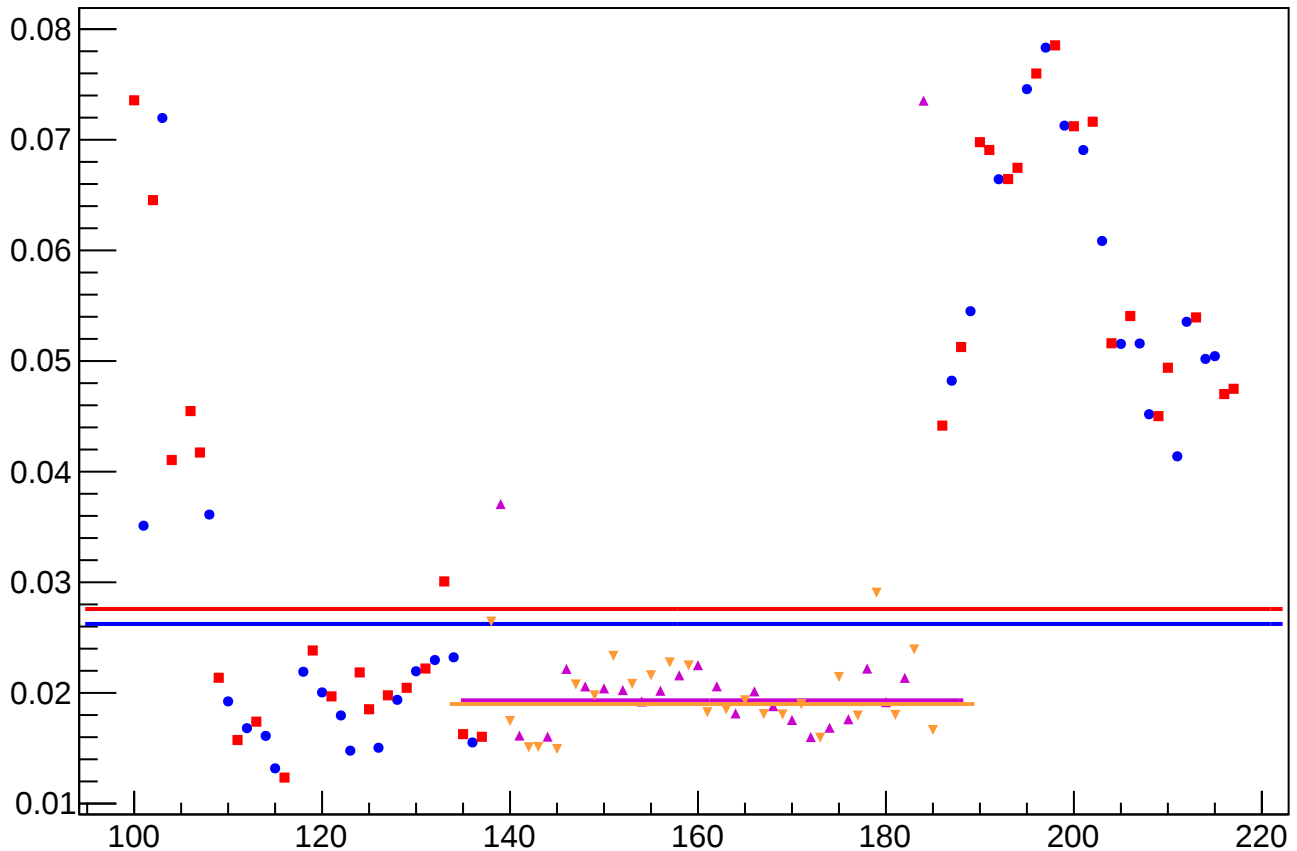
Left In: -0.045 ± 0.000 χ^2/NDF : 127324000.1/22

+ sign -0.097 ± 0.000 χ^2/NDF : 580050566.6/56

All: -0.097 ± 0.000 χ^2/NDF : 1207773002.8/1

- sign -0.098 ± 0.000 χ^2/NDF : 627670591.1/58

yield_bpm4ecX_rms vs Slug



Right In: 0.026 $\pm$ 0.000 χ^2 /NDF: 8728022.7/31

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:699267.5/24

Right Out: 0.028 $\pm$ 0.000 χ^2 /NDF: 9229655.1/35

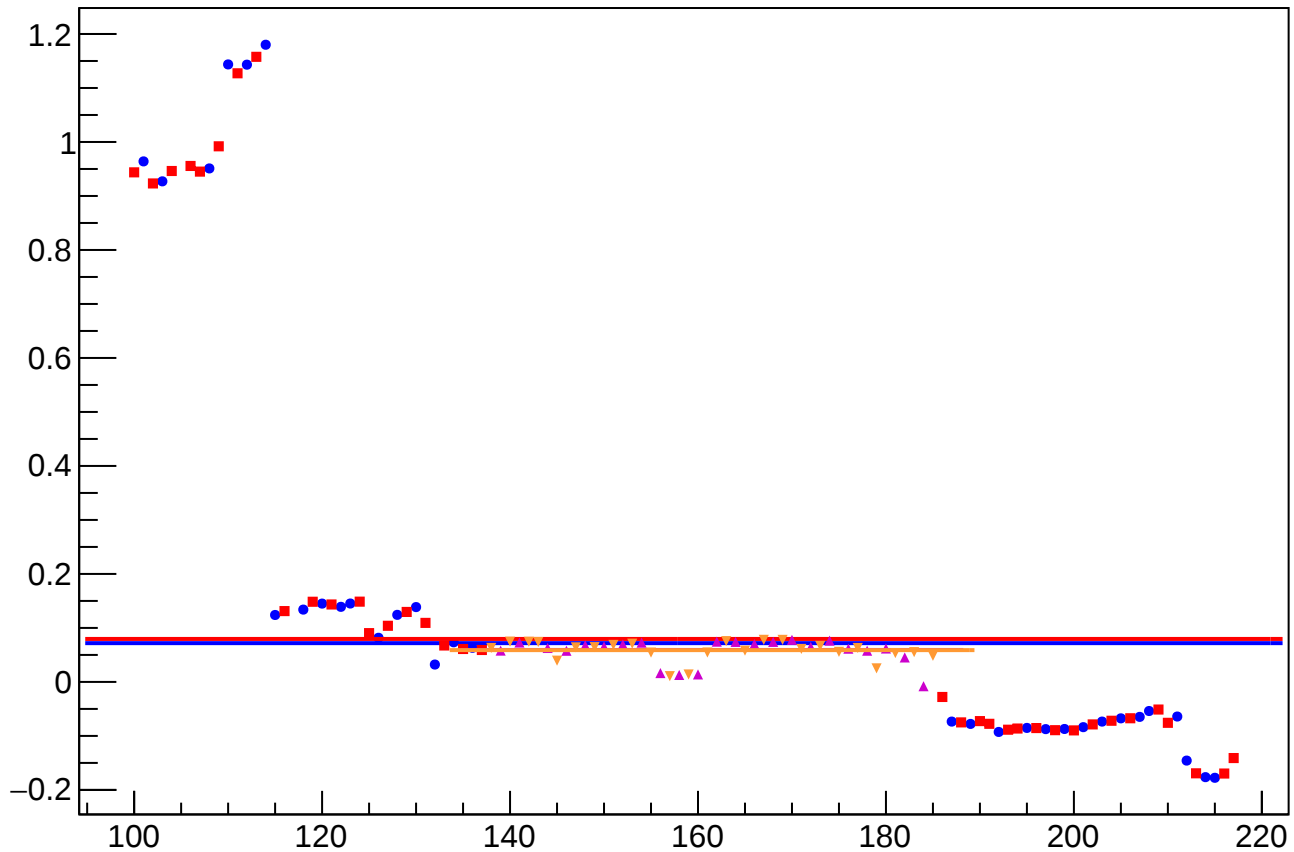
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:892810.7/22

+ sign 0.021 $\pm$ 0.000 χ^2 /NDF: 10670110.7/56

All: 0.021 $\pm$ 0.000 χ^2 /NDF: 22384804.8/115

- sign 0.022 $\pm$ 0.000 χ^2 /NDF: 11683371.7/58

yield_bpm4ecY_mean vs Slug



Right In: 0.072 $\pm$ 0.000 χ^2 /NDF: 8645117781.1/31

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF: 46902918.4/24

Right Out: 0.080 $\pm$ 0.000 χ^2 /NDF: 9649848194.4/35

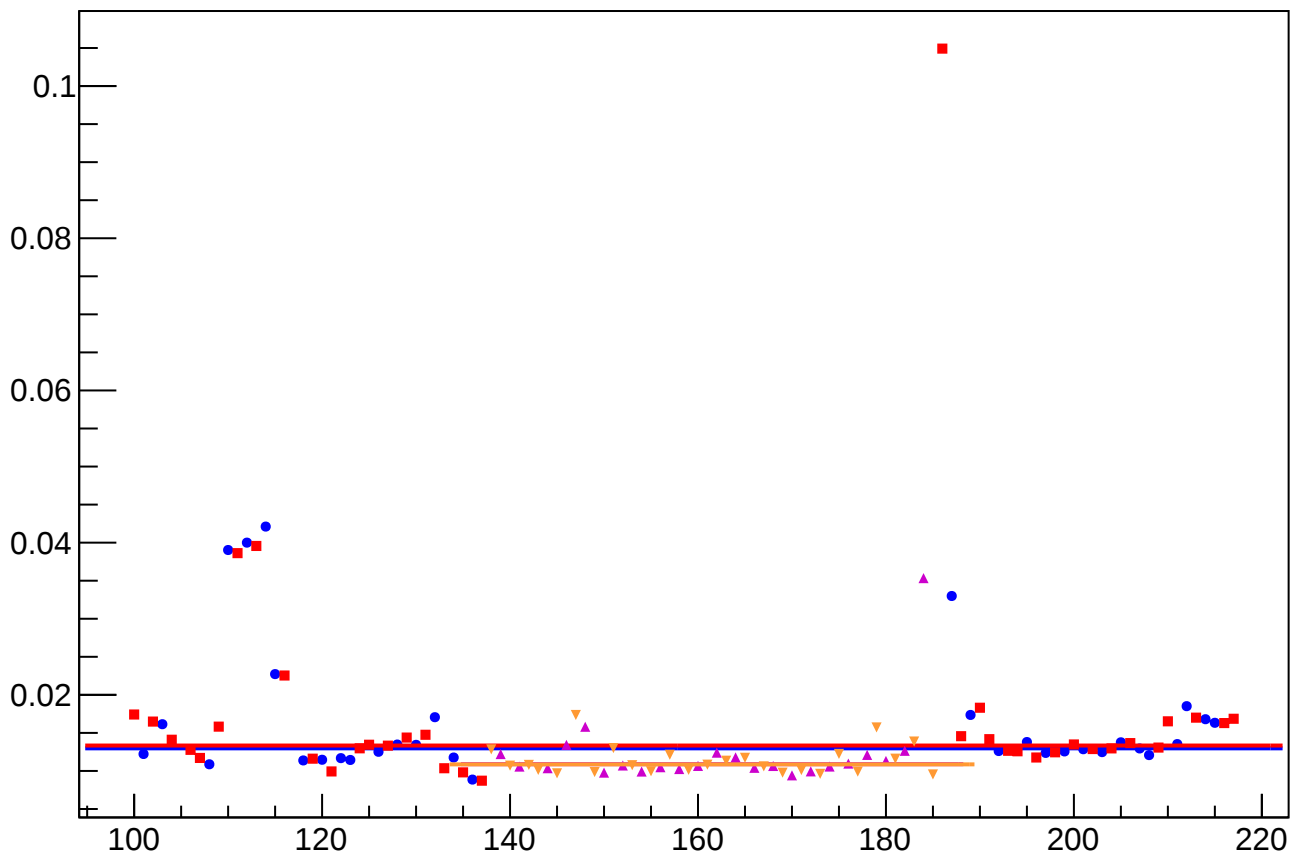
Left In: 0.059 $\pm$ 0.000 χ^2 /NDF: 58640898.5/22

+ sign 0.064 $\pm$ 0.000 χ^2 /NDF: 8701452208.8/56

All: 0.066 $\pm$ 0.000 χ^2 /NDF: 18434566475.9/1

- sign 0.067 $\pm$ 0.000 χ^2 /NDF: 9731667391.2/58

yield_bpm4ecY_rms vs Slug



Right In: 0.013+/-0.000 χ^2 /NDF: 1781931.2/31

Left Out: 0.011+/-0.000 χ^2 /NDF: 605519.3/24

Right Out: 0.013+/-0.000 χ^2 /NDF: 2151385.7/35

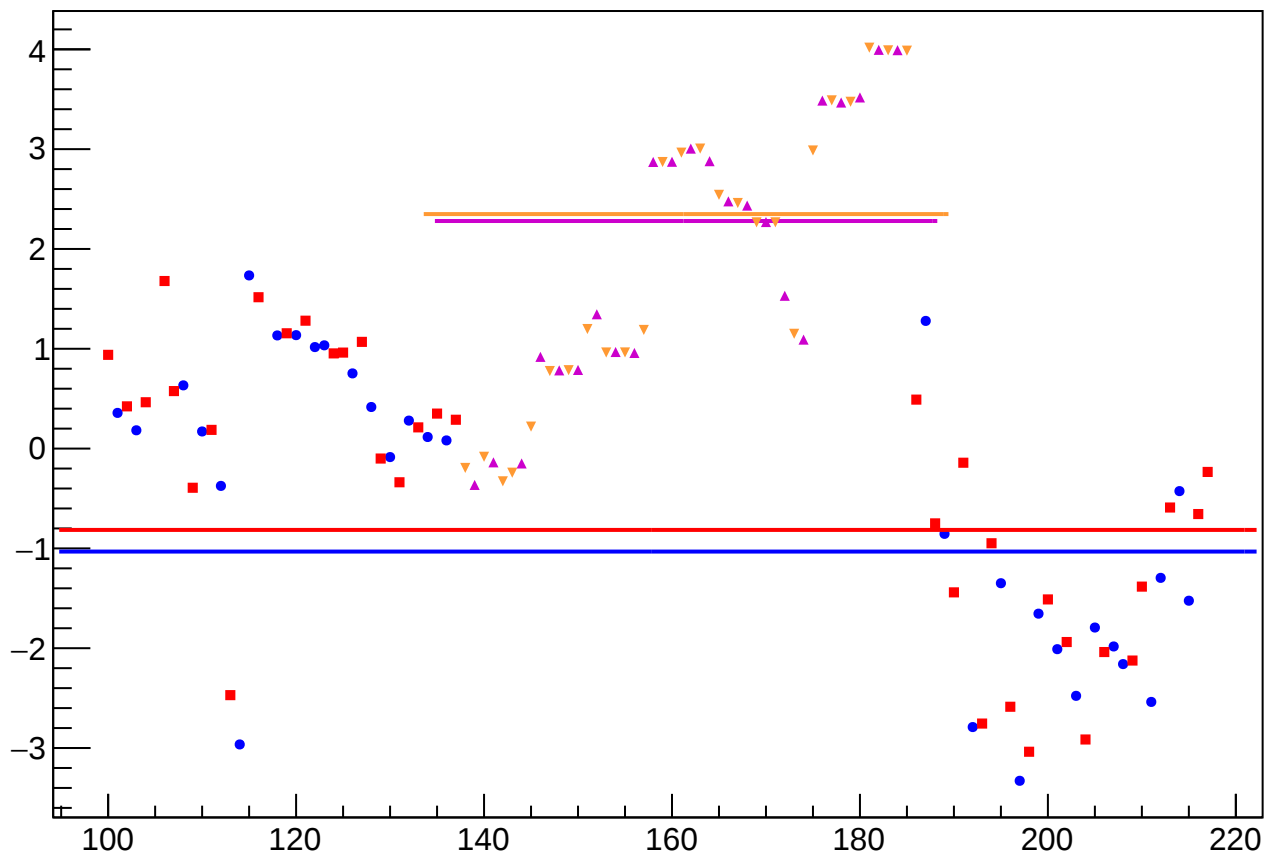
Left In: 0.011+/-0.000 χ^2 /NDF: 529867.3/22

+ sign 0.012+/-0.000 χ^2 /NDF: 2888219.3/56

All: 0.012+/-0.000 χ^2 /NDF: 6244021.1/115

- sign 0.012+/-0.000 χ^2 /NDF: 3346847.0/58

yield_bpm1X_mean vs Slug



Right In: -1.032 ± 0.000 χ^2/NDF : 7858838710.4/31

Left Out: 2.349 ± 0.000 χ^2/NDF : 63600066268.3/24

Right Out: -0.815 ± 0.000 χ^2/NDF : 8285096879.5/35

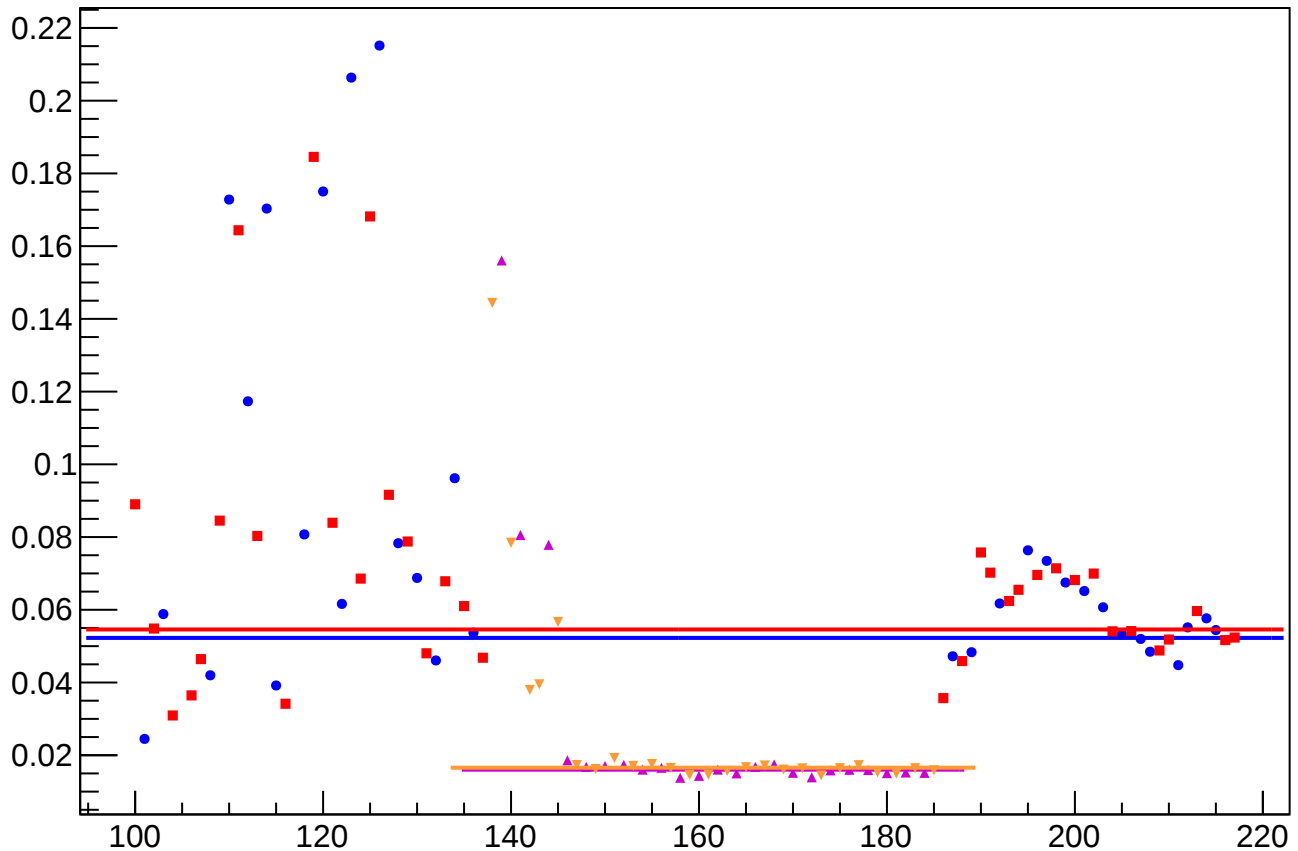
Left In: 2.280 ± 0.000 χ^2/NDF : 61444254541.3/22

+ sign 2.056 ± 0.000 χ^2/NDF : 122168728292.9/56

All: 2.033 ± 0.000 χ^2/NDF : 235383202015.4

- sign 2.011 ± 0.000 χ^2/NDF : 113157801743.9/58

yield_bpm1X_rms vs Slug



Right In: 0.052 $\pm$ 0.000 χ^2 /NDF: 3525699.8/31

Left Out: 0.017 $\pm$ 0.000 χ^2 /NDF:2623615.6/24

Right Out: 0.055 $\pm$ 0.000 χ^2 /NDF: 2881852.3/35

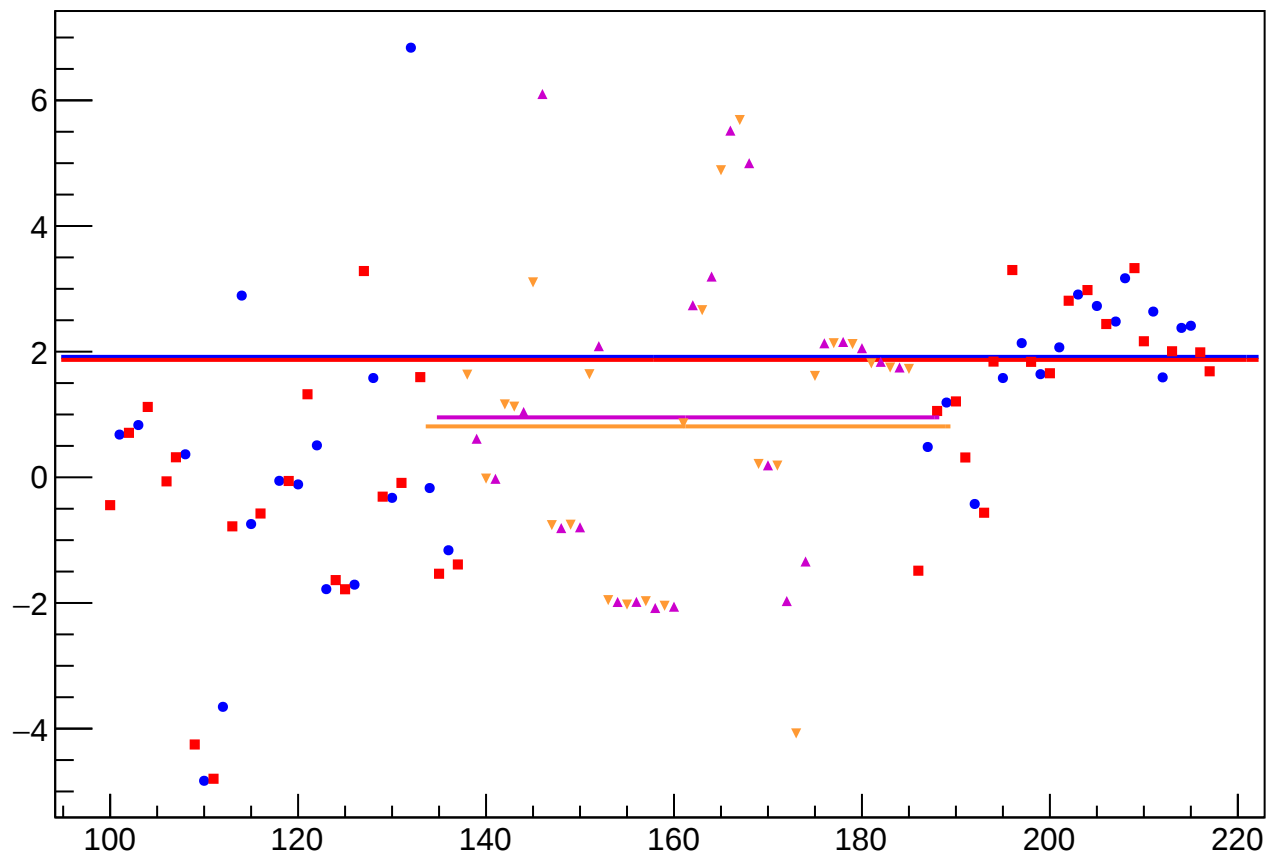
Left In: 0.016 $\pm$ 0.000 χ^2 /NDF:2463853.3/22

+ sign 0.020 $\pm$ 0.000 χ^2 /NDF: 17448926.9/56

All: 0.020 $\pm$ 0.000 χ^2 /NDF: 36279144.6/115

- sign 0.019 $\pm$ 0.000 χ^2 /NDF: 18825325.5/58

yield_bpm1Y_mean vs Slug



Right In: 1.917+/-0.000 χ^2/NDF : 39446560545.5/31

Left Out: 0.810+/-0.000 χ^2/NDF : 507583198570.2/24

Right Out: 1.869+/-0.000 χ^2/NDF : 39627303231.6/35

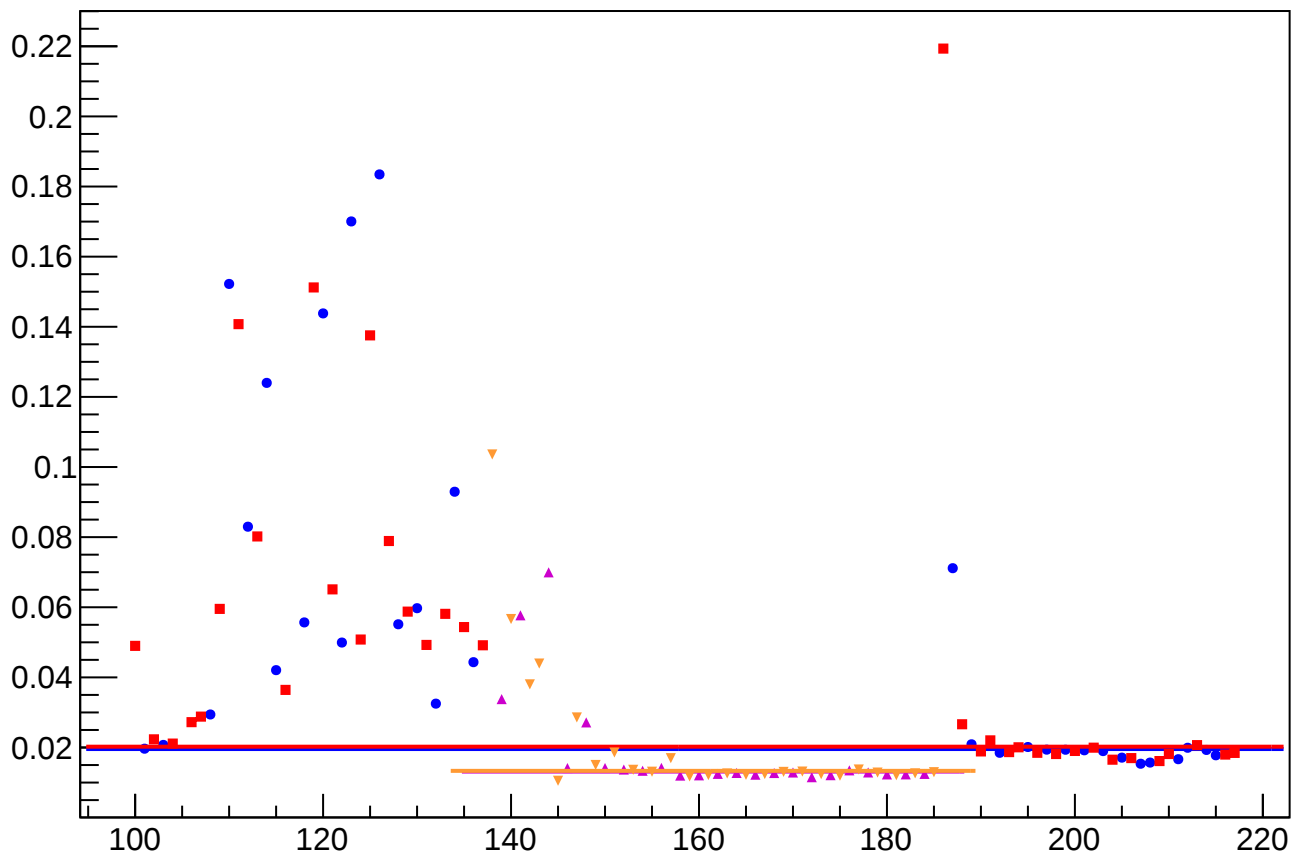
Left In: 0.954+/-0.000 χ^2/NDF : 574792794608.3/22

+ sign 1.109+/-0.000 χ^2/NDF : 575151103054.0/56

All: 1.155+/-0.000 χ^2/NDF : 1209415307051.0/116

- sign 1.201+/-0.000 χ^2/NDF : 633766247318.3/58

yield_bpm1Y_rms vs Slug



Right In: 0.020+/-0.000 χ^2/NDF : 4126044.7/31

Left Out: 0.013+/-0.000 χ^2/NDF : 2829070.5/24

Right Out: 0.020+/-0.000 χ^2/NDF : 5203730.9/35

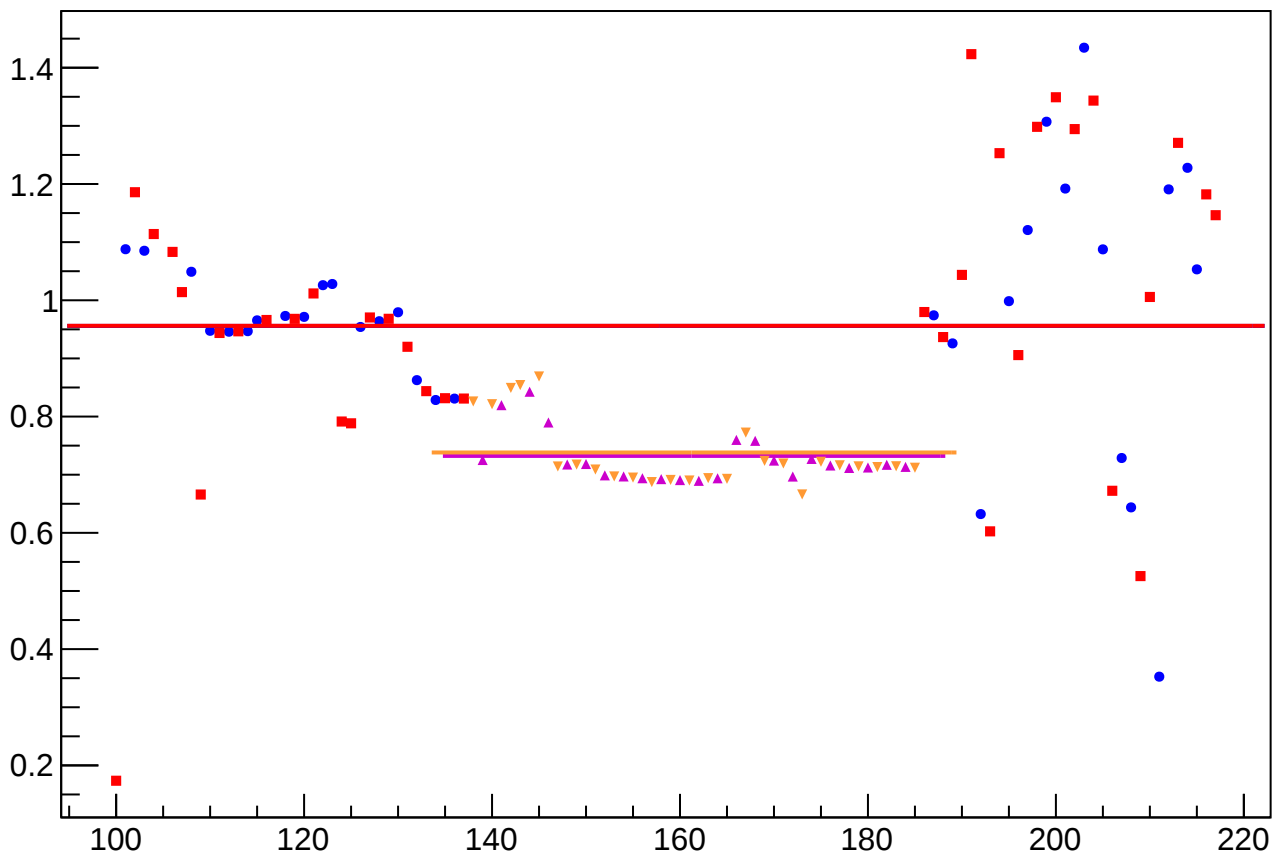
Left In: 0.013+/-0.000 χ^2/NDF : 1968206.9/22

+ sign 0.015+/-0.000 χ^2/NDF : 8733988.0/56

All: 0.015+/-0.000 χ^2/NDF : 18235110.3/115

- sign 0.015+/-0.000 χ^2/NDF : 9501010.7/58

yield_bpm11X_mean vs Slug



Right In: 0.956 $\pm$ 0.000 χ^2 /NDF: 977256106.4/31

Left Out: 0.738 $\pm$ 0.000 χ^2 /NDF: 310610047.7/24

Right Out: 0.956 $\pm$ 0.000 χ^2 /NDF: 1277973098.9/35

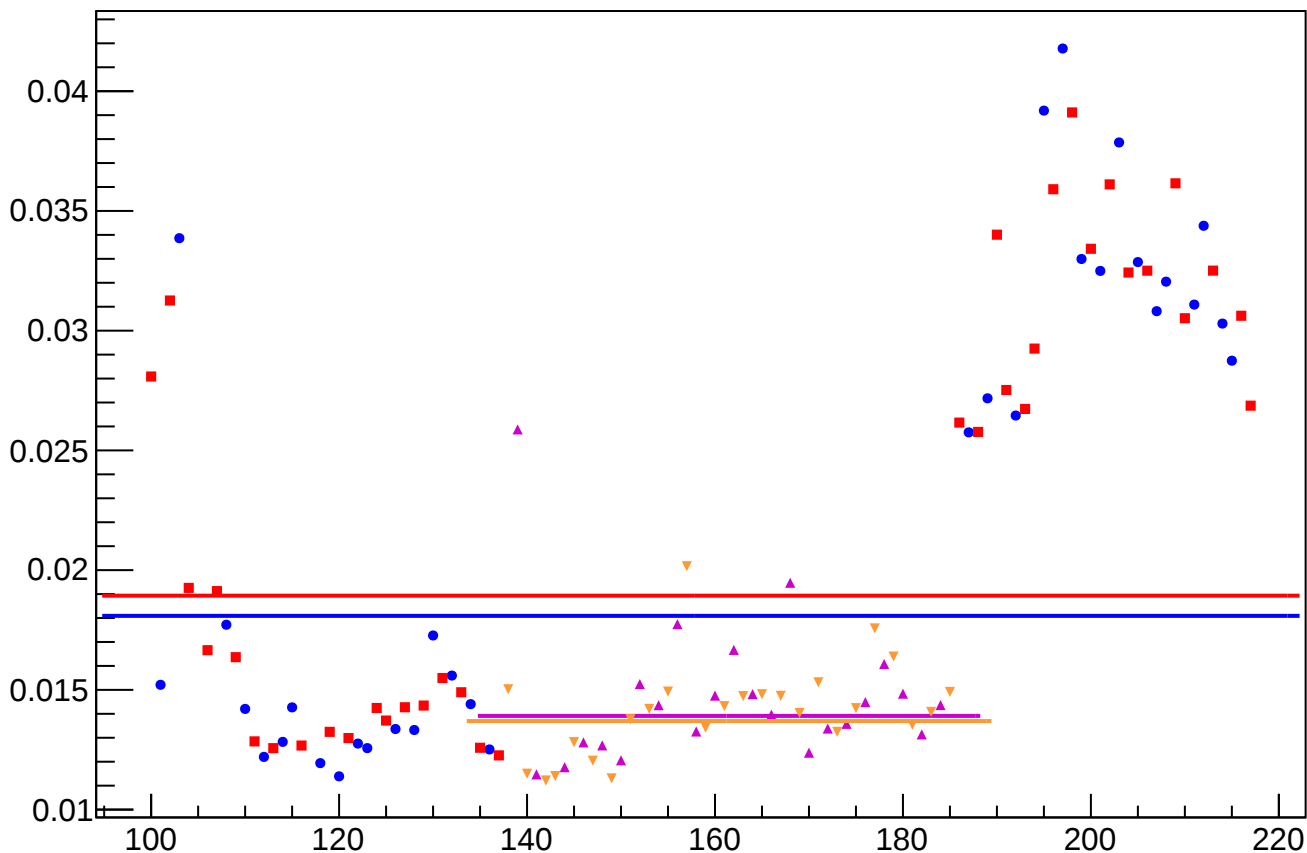
Left In: 0.732 $\pm$ 0.000 χ^2 /NDF: 170806298.1/22

+ sign 0.807 $\pm$ 0.000 χ^2 /NDF: 2582189518.1/56

All: 0.807 $\pm$ 0.000 χ^2 /NDF: 5382309011.4/11

- sign 0.807 $\pm$ 0.000 χ^2 /NDF: 2800105894.0/58

yield_bpm11X_rms vs Slug



Right In: 0.018+/-0.000 χ^2/NDF : 5554809.0/31

Left Out: 0.014+/-0.000 χ^2/NDF : 530851.9/24

Right Out: 0.019+/-0.000 χ^2/NDF : 5131952.5/35

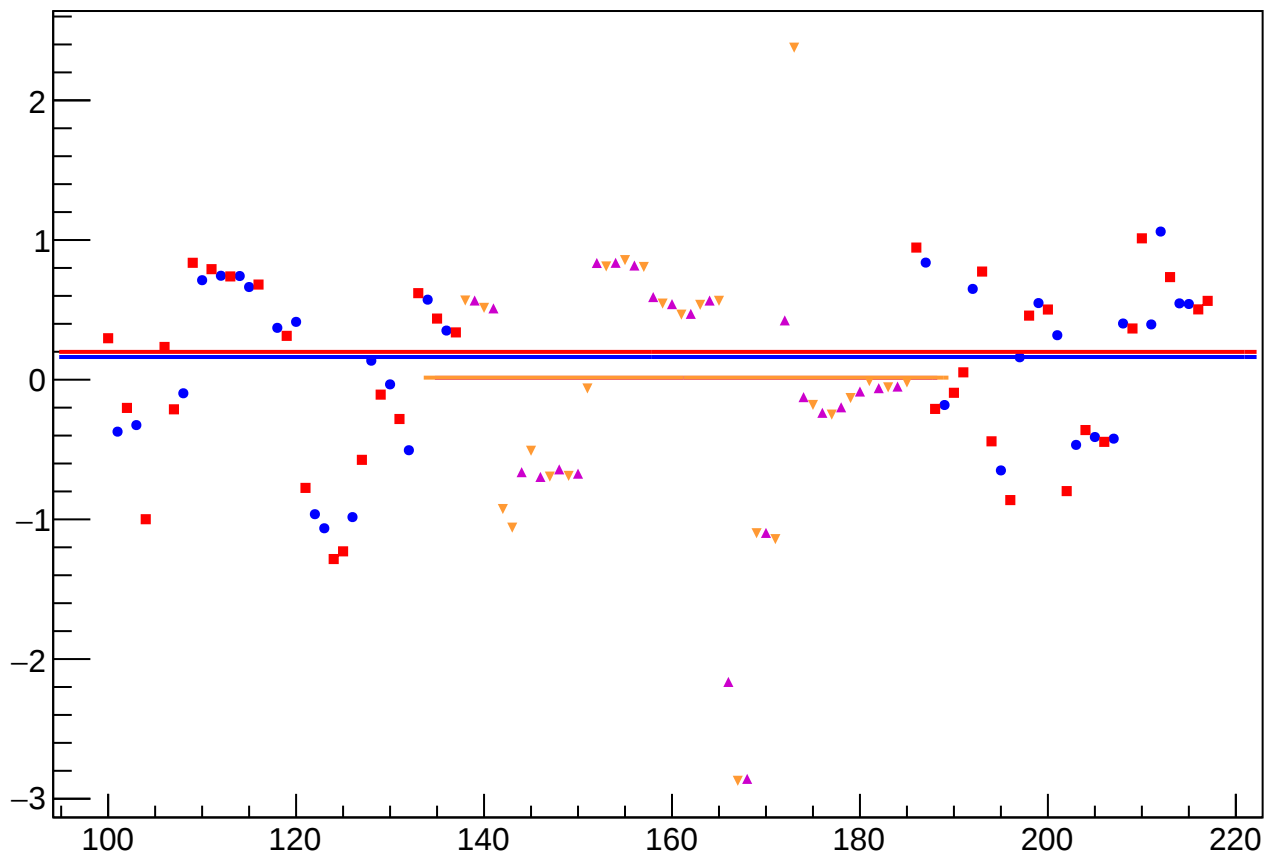
Left In: 0.014+/-0.000 χ^2/NDF : 794558.0/22

+ sign 0.015+/-0.000 χ^2/NDF : 7140136.1/56

All: 0.015+/-0.000 χ^2/NDF : 14459655.4/115

- sign 0.016+/-0.000 χ^2/NDF : 7287023.2/58

yield_bpm11Y_mean vs Slug



Right In: 0.162 $\pm$ 0.000 χ^2 /NDF: 30766503655.7/31

Left Out: 0.015 $\pm$ 0.000 χ^2 /NDF:96087835995.8/24

Right Out: 0.199 $\pm$ 0.000 χ^2 /NDF: 42711118894.5/35

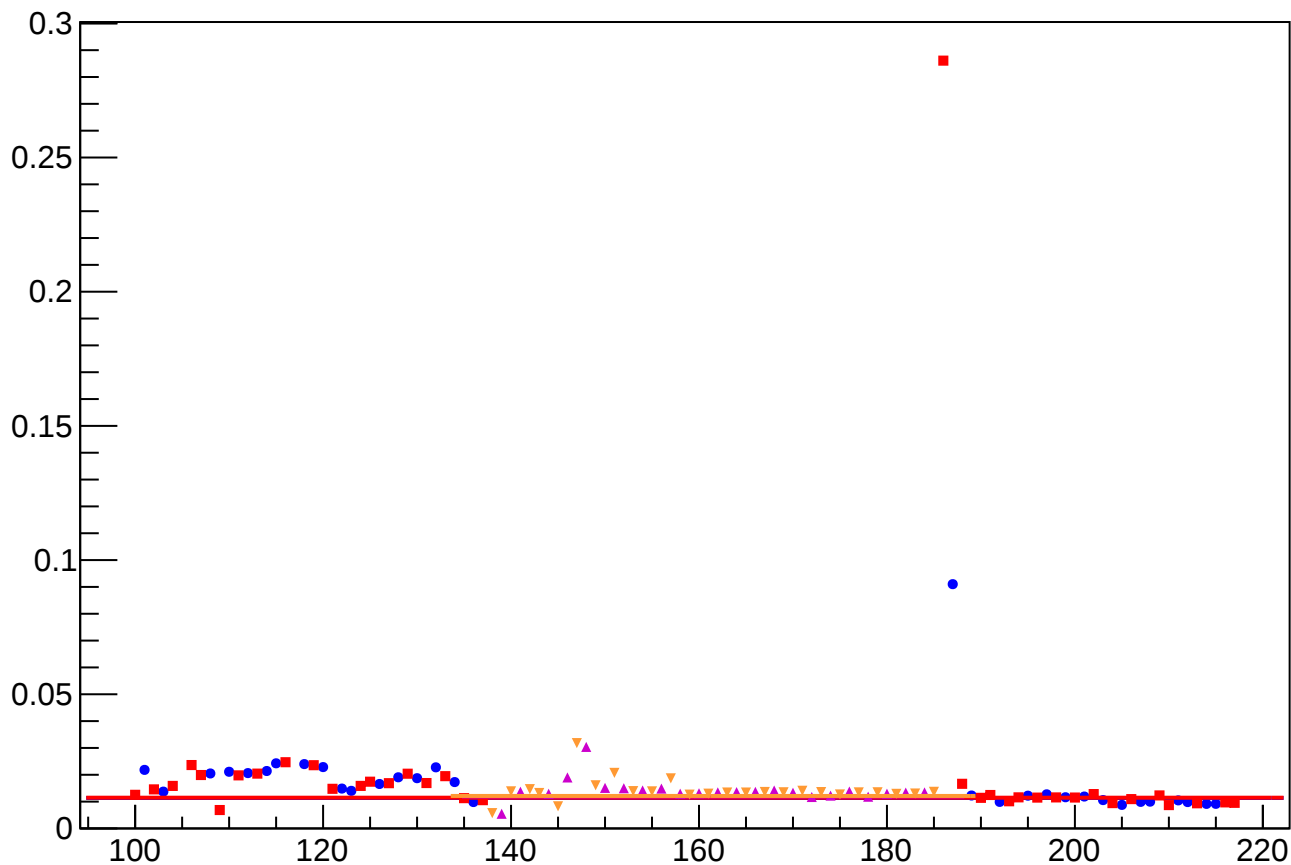
Left In: 0.013 $\pm$ 0.000 χ^2 /NDF:79445696658.6/22

+ sign 0.089 $\pm$ 0.000 χ^2 /NDF: 128059463084.1/56

All: 0.100 $\pm$ 0.000 χ^2 /NDF: 252192525555.9

- sign 0.110 $\pm$ 0.000 χ^2 /NDF: 124084071760.4/58

yield_bpm11Y_rms vs Slug



Right In: 0.011 $\pm$ 0.000 χ^2 /NDF: 2576571.8/31

Left Out: 0.012 $\pm$ 0.000 χ^2 /NDF:3107648.9/24

Right Out: 0.011 $\pm$ 0.000 χ^2 /NDF: 3085722.7/35

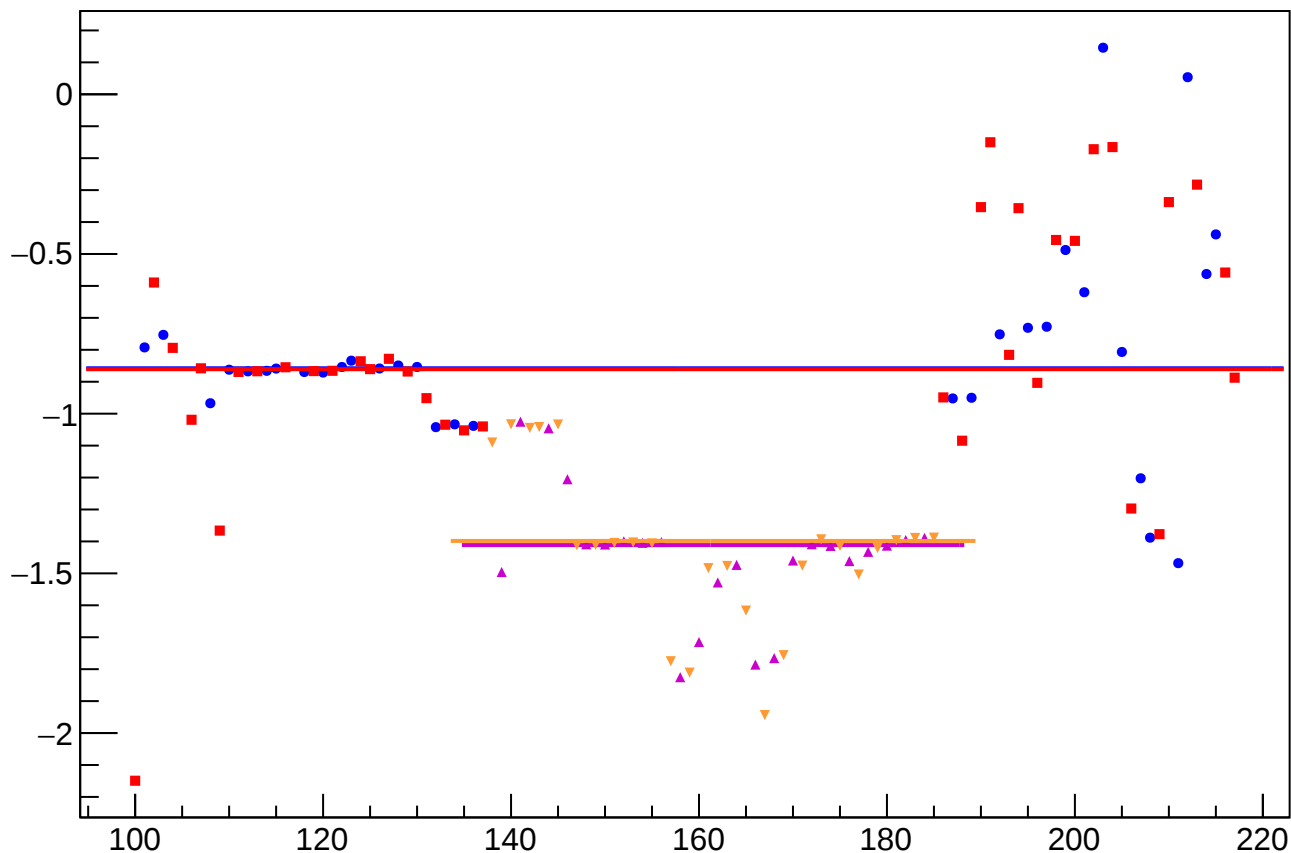
Left In: 0.012 $\pm$ 0.000 χ^2 /NDF:3105948.8/22

+ sign 0.012 $\pm$ 0.000 χ^2 /NDF: 5747874.4/56

All: 0.012 $\pm$ 0.000 χ^2 /NDF: 11964642.4/115

- sign 0.012 $\pm$ 0.000 χ^2 /NDF: 6216209.0/58

yield_bpm12X_mean vs Slug



Right In: -0.858 ± 0.000 χ^2/NDF : 371211910.0/31

Left Out: -1.398 ± 0.000 χ^2/NDF : 734579404.3/24

Right Out: -0.861 ± 0.000 χ^2/NDF : 493161579.9/35

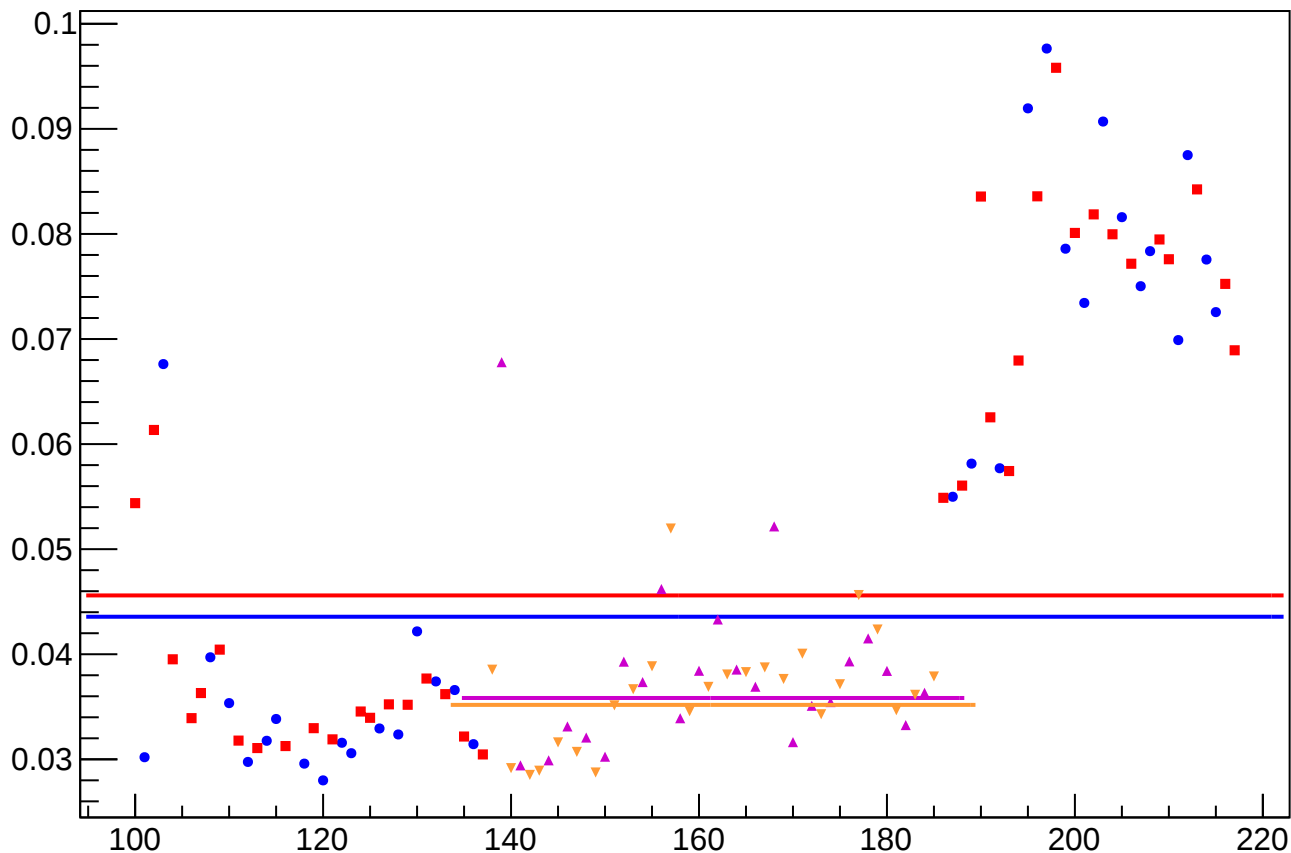
Left In: -1.412 ± 0.000 χ^2/NDF : 512629872.4/22

+ sign -1.209 ± 0.000 χ^2/NDF : 2438440120.5/56

All: -1.207 ± 0.000 χ^2/NDF : 4799525145.7/1

- sign -1.206 ± 0.000 χ^2/NDF : 2361022249.8/58

yield_bpm12X_rms vs Slug



Right In: 0.044 $\pm$ 0.000 χ^2 /NDF: 5364582.0/31

Left Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 597886.0/24

Right Out: 0.046 $\pm$ 0.000 χ^2 /NDF: 4747421.2/35

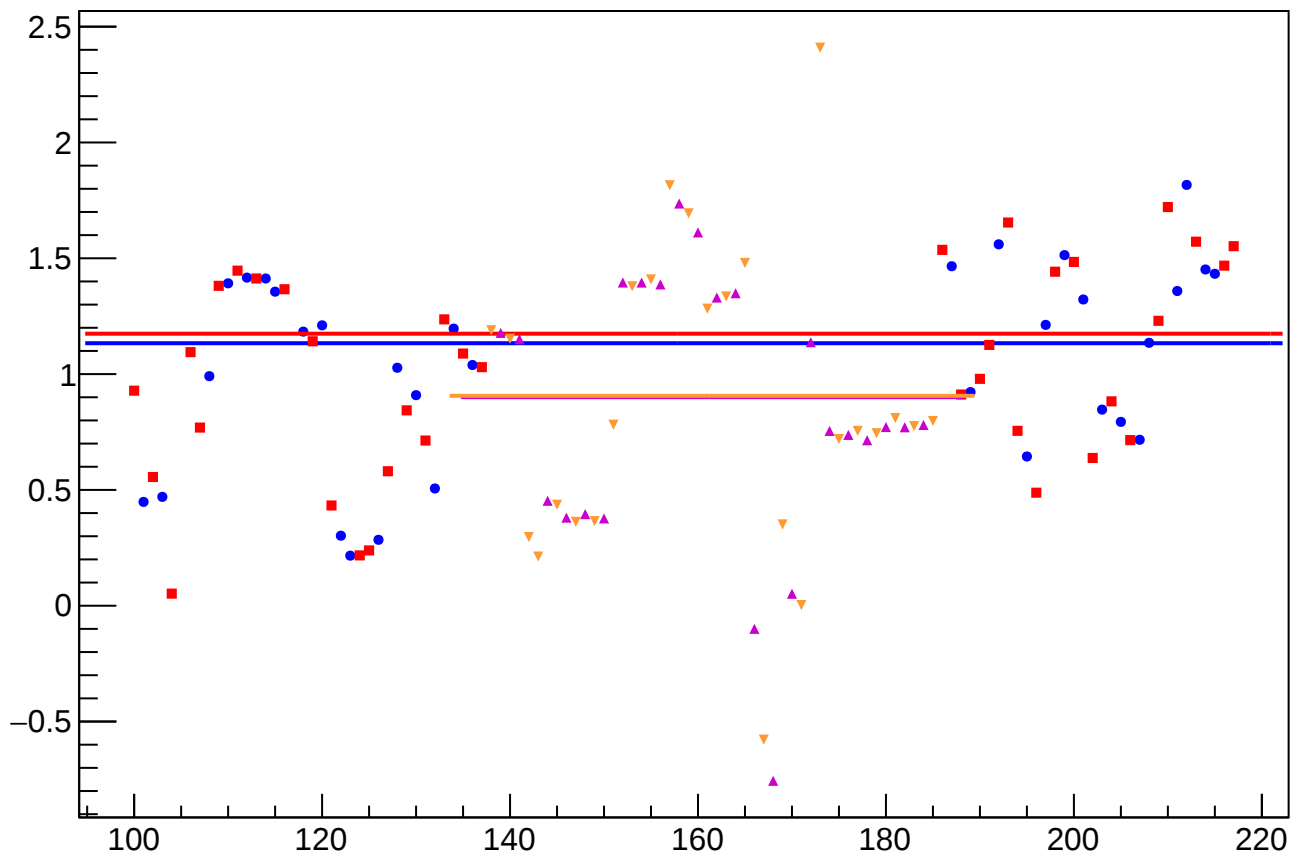
Left In: 0.036 $\pm$ 0.000 χ^2 /NDF: 890993.5/22

+ sign 0.038 $\pm$ 0.000 χ^2 /NDF: 6604486.8/56

All: 0.039 $\pm$ 0.000 χ^2 /NDF: 13129746.1/115

- sign 0.039 $\pm$ 0.000 χ^2 /NDF: 6489601.4/58

yield_bpm12Y_mean vs Slug



Right In: 1.133+/-0.000 χ^2/NDF : 42329127127.1/31

Left Out: 0.906+/-0.000 χ^2/NDF : 84108410196.2/24

Right Out: 1.174+/-0.000 χ^2/NDF : 50361557581.1/35

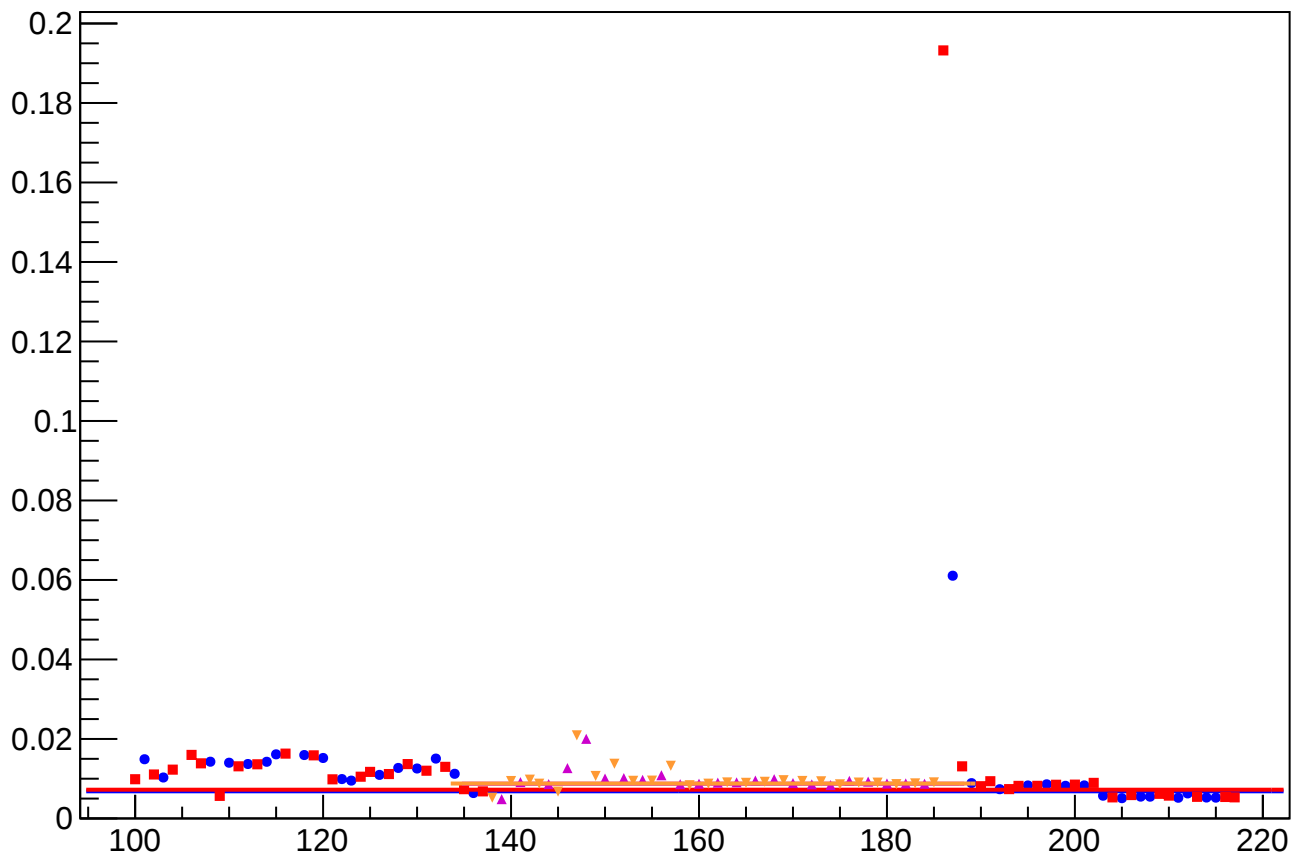
Left In: 0.901+/-0.000 χ^2/NDF : 66932223067.8/22

+ sign 1.039+/-0.000 χ^2/NDF : 133018981423.5/56

All: 1.049+/-0.000 χ^2/NDF : 259533255593.7

- sign 1.060+/-0.000 χ^2/NDF : 126394180051.3/58

yield_bpm12Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 3702213.5/31

Left Out: 0.009+/-0.000 χ^2/NDF : 1698526.2/24

Right Out: 0.007+/-0.000 χ^2/NDF : 4089673.8/35

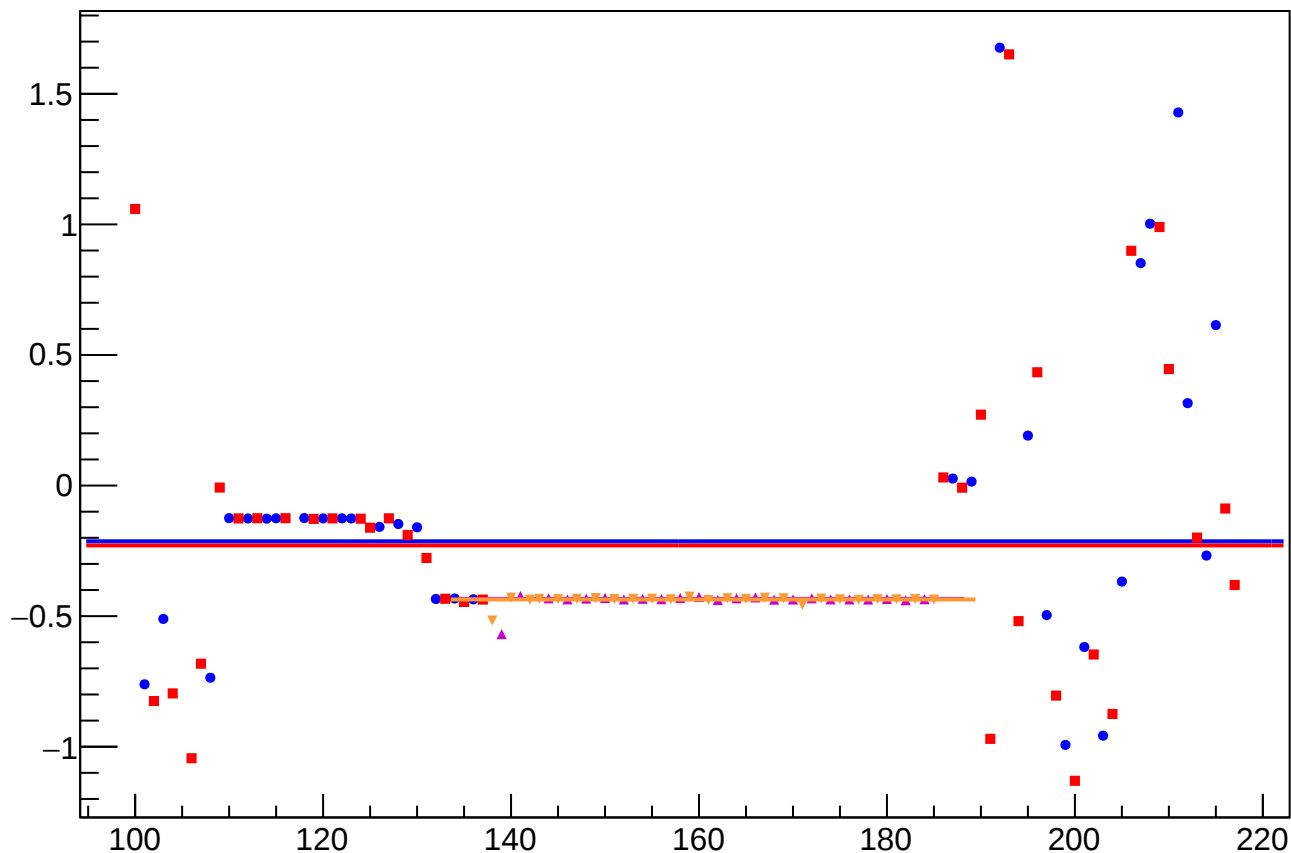
Left In: 0.009+/-0.000 χ^2/NDF : 1669983.7/22

+ sign 0.008+/-0.000 χ^2/NDF : 6377299.4/56

All: 0.008+/-0.000 χ^2/NDF : 12709709.7/115

- sign 0.008+/-0.000 χ^2/NDF : 6308964.7/58

yield_bpm16X_mean vs Slug



Right In: -0.213 ± 0.000 χ^2/NDF : 4979571062.4/31

Left Out: -0.436 ± 0.000 χ^2/NDF : 28776503.9/24

Right Out: -0.229 ± 0.000 χ^2/NDF : 3431148881.8/35

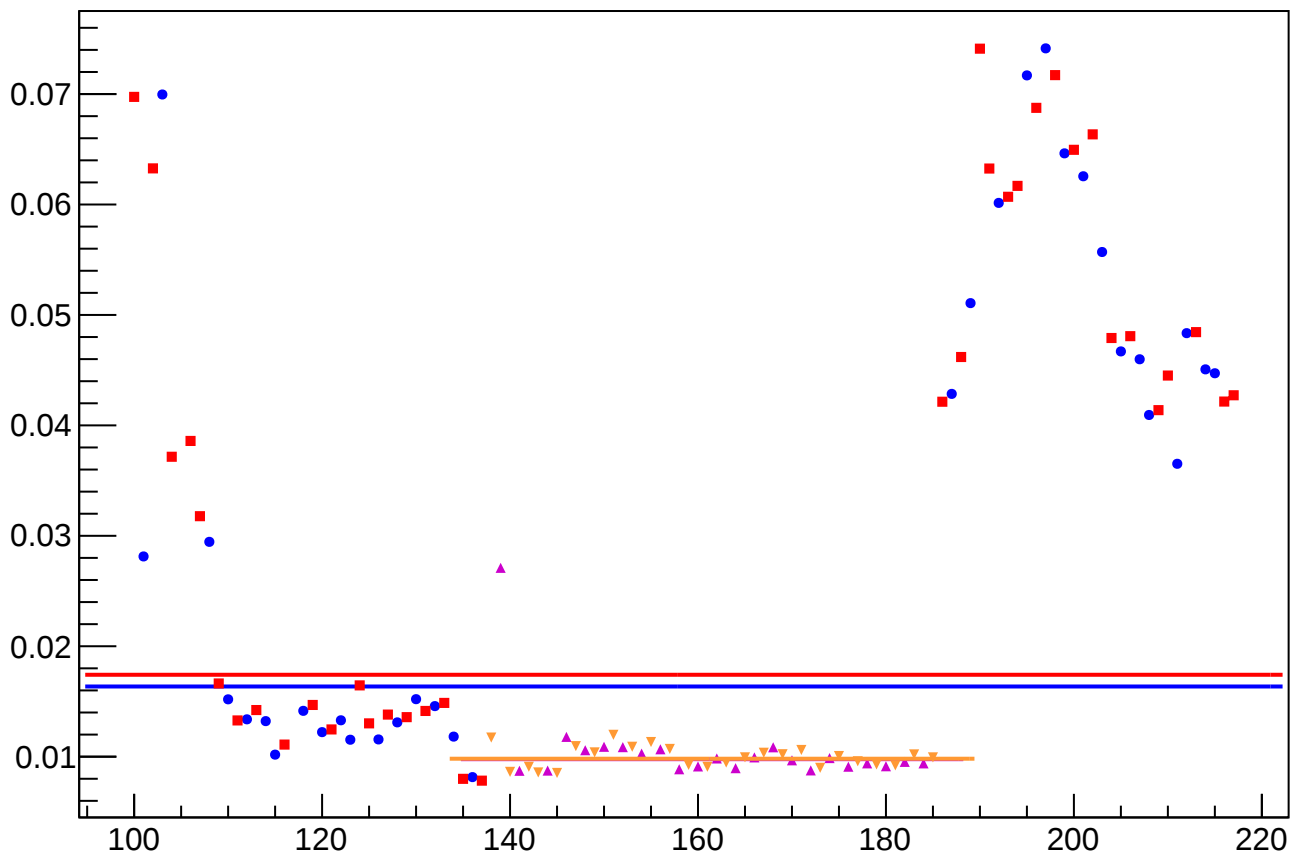
Left In: -0.434 ± 0.000 χ^2/NDF : 20164730.3/22

+ sign -0.396 ± 0.000 χ^2/NDF : 6454899953.5/56

All: -0.397 ± 0.000 χ^2/NDF : 11073215875.5/111

- sign -0.397 ± 0.000 χ^2/NDF : 4618282514.3/58

yield_bpm16X_rms vs Slug



Right In: 0.016 $\pm$ 0.000 χ^2/NDF : 12480547.0/31

Left Out: 0.010 $\pm$ 0.000 χ^2/NDF : 271172.3/24

Right Out: 0.017 $\pm$ 0.000 χ^2/NDF : 13287321.0/35

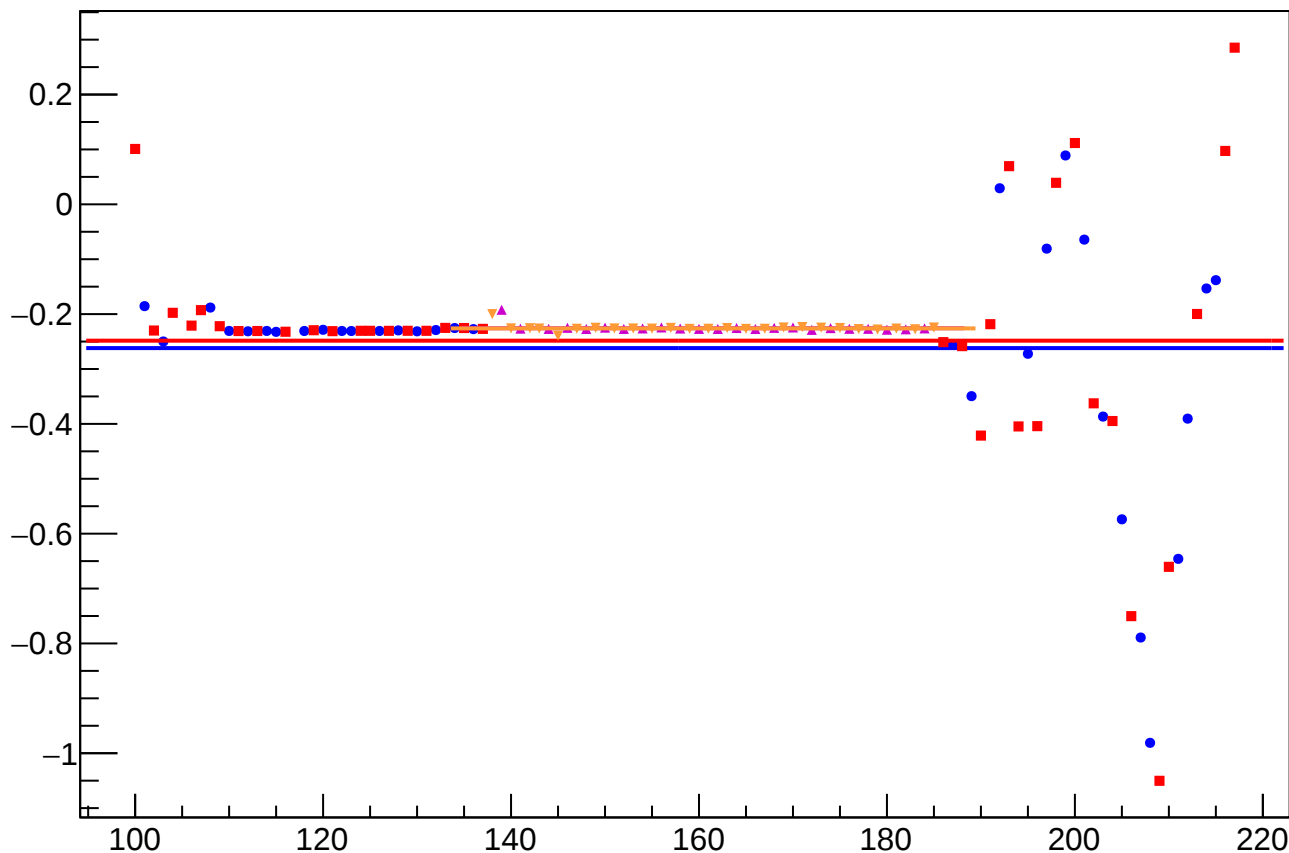
Left In: 0.010 $\pm$ 0.000 χ^2/NDF : 786577.8/22

+ sign 0.011 $\pm$ 0.000 χ^2/NDF : 15245199.3/56

All: 0.011 $\pm$ 0.000 χ^2/NDF : 32575895.2/115

- sign 0.011 $\pm$ 0.000 χ^2/NDF : 17325024.9/58

yield_bpm16Y_mean vs Slug



Right In: -0.262+/-0.000 χ^2/NDF : 25220385016.5/31

Left Out: -0.226+/-0.000 χ^2/NDF : 21207366.3/24

Right Out: -0.248+/-0.000 χ^2/NDF : 30054361401.0/35

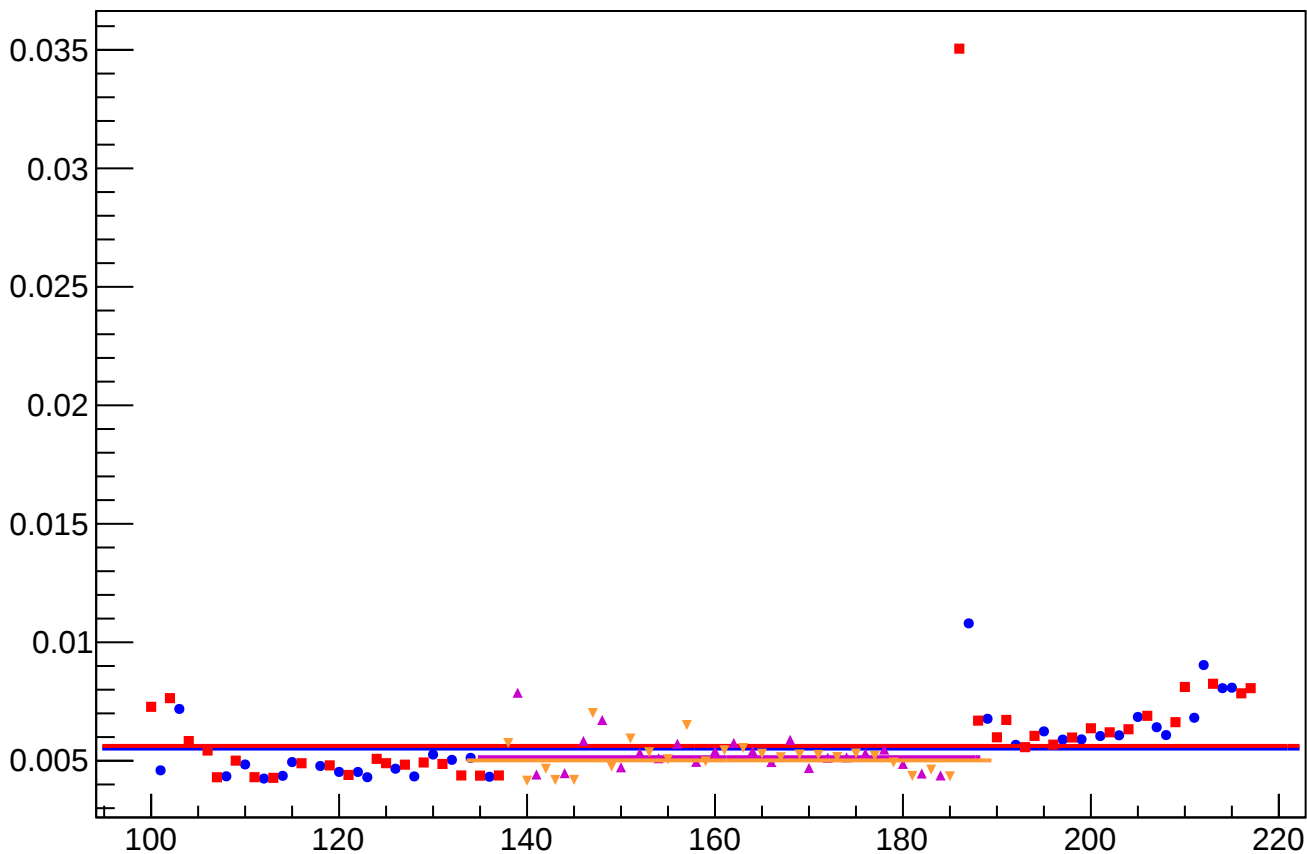
Left In: -0.226+/-0.000 χ^2/NDF : 13717302.5/22

+ sign -0.241+/-0.000 χ^2/NDF : 25618852411.6/56

All: -0.239+/-0.000 χ^2/NDF : 55848668562.8/100

- sign -0.236+/-0.000 χ^2/NDF : 30214098648.1/58

yield_bpm16Y_rms vs Slug



Right In: 0.006+/-0.000 χ^2/NDF : 1356487.8/31

Left Out: 0.005+/-0.000 χ^2/NDF : 532623.0/24

Right Out: 0.006+/-0.000 χ^2/NDF : 1863740.5/35

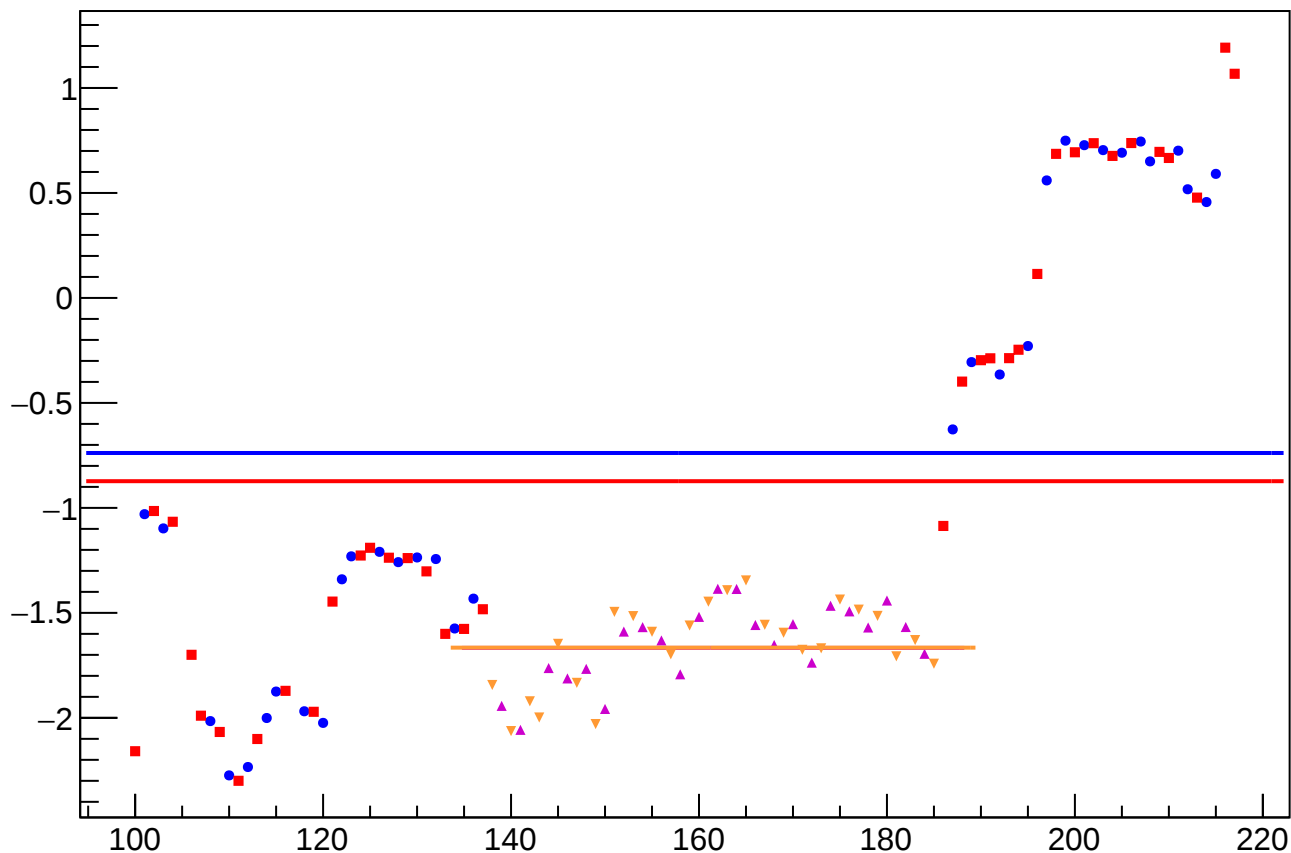
Left In: 0.005+/-0.000 χ^2/NDF : 504040.6/22

+ sign 0.005+/-0.000 χ^2/NDF : 2035154.6/56

All: 0.005+/-0.000 χ^2/NDF : 4555409.3/115

- sign 0.005+/-0.000 χ^2/NDF : 2497344.1/58

yield_bpm0l01X_mean vs Slug



Right In: -0.739 ± 0.000 $\chi^2/\text{NDF}: 238933110637.0/31$

Left Out: -1.666 ± 0.000 $\chi^2/\text{NDF}: 18368038680.8/24$

Right Out: -0.873 ± 0.000 $\chi^2/\text{NDF}: 290127538479.2/35$

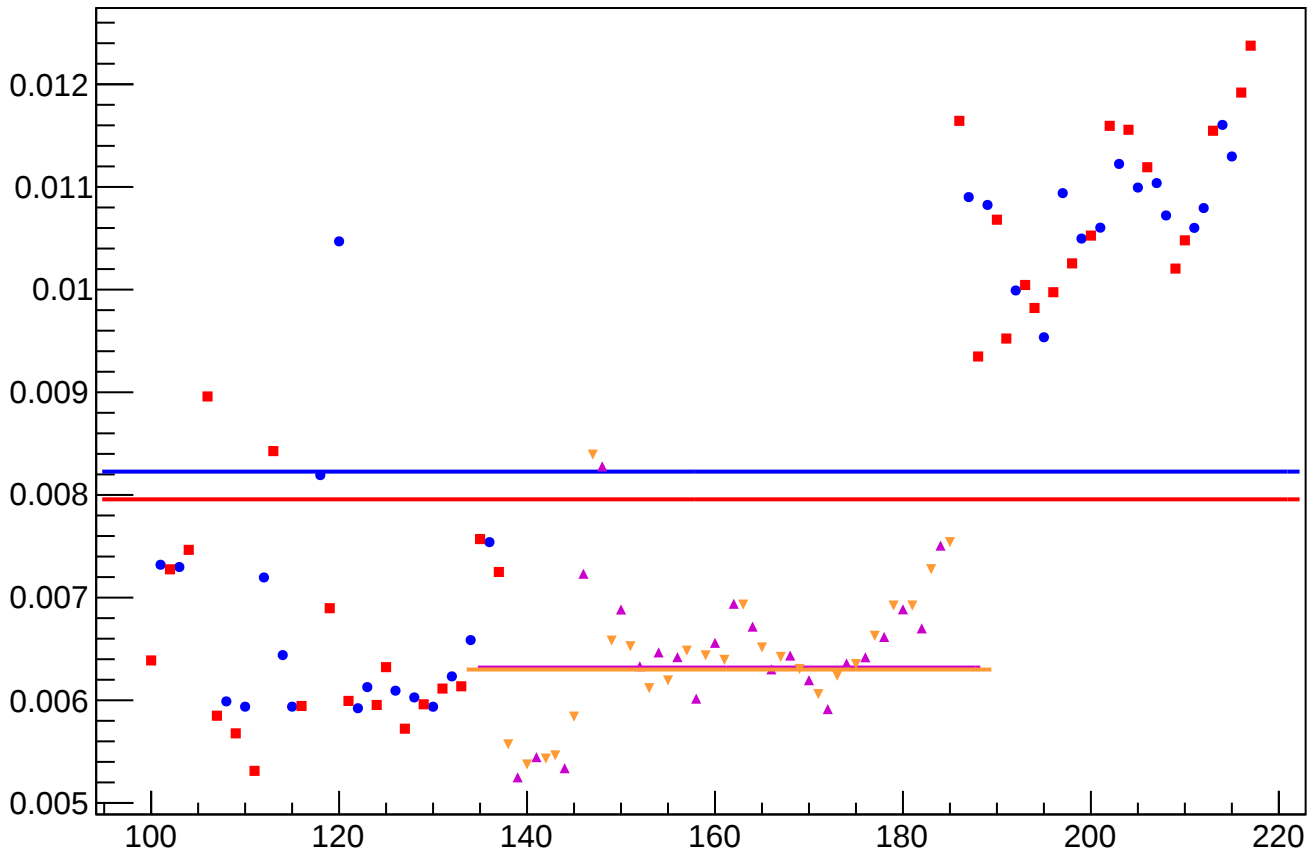
Left In: -1.667 ± 0.000 $\chi^2/\text{NDF}: 14615453869.3/22$

+ sign -1.349 ± 0.000 $\chi^2/\text{NDF}: 386943043484.7/56$

All: -1.353 ± 0.000 $\chi^2/\text{NDF}: 793239713403.8$

- sign -1.358 ± 0.000 $\chi^2/\text{NDF}: 406270476728.8/58$

yield_bpm0l01X_rms vs Slug



Right In: 0.008+/-0.000 χ^2/NDF : 2072333.8/31

Left Out: 0.006+/-0.000 χ^2/NDF : 312811.2/24

Right Out: 0.008+/-0.000 χ^2/NDF : 2604831.7/35

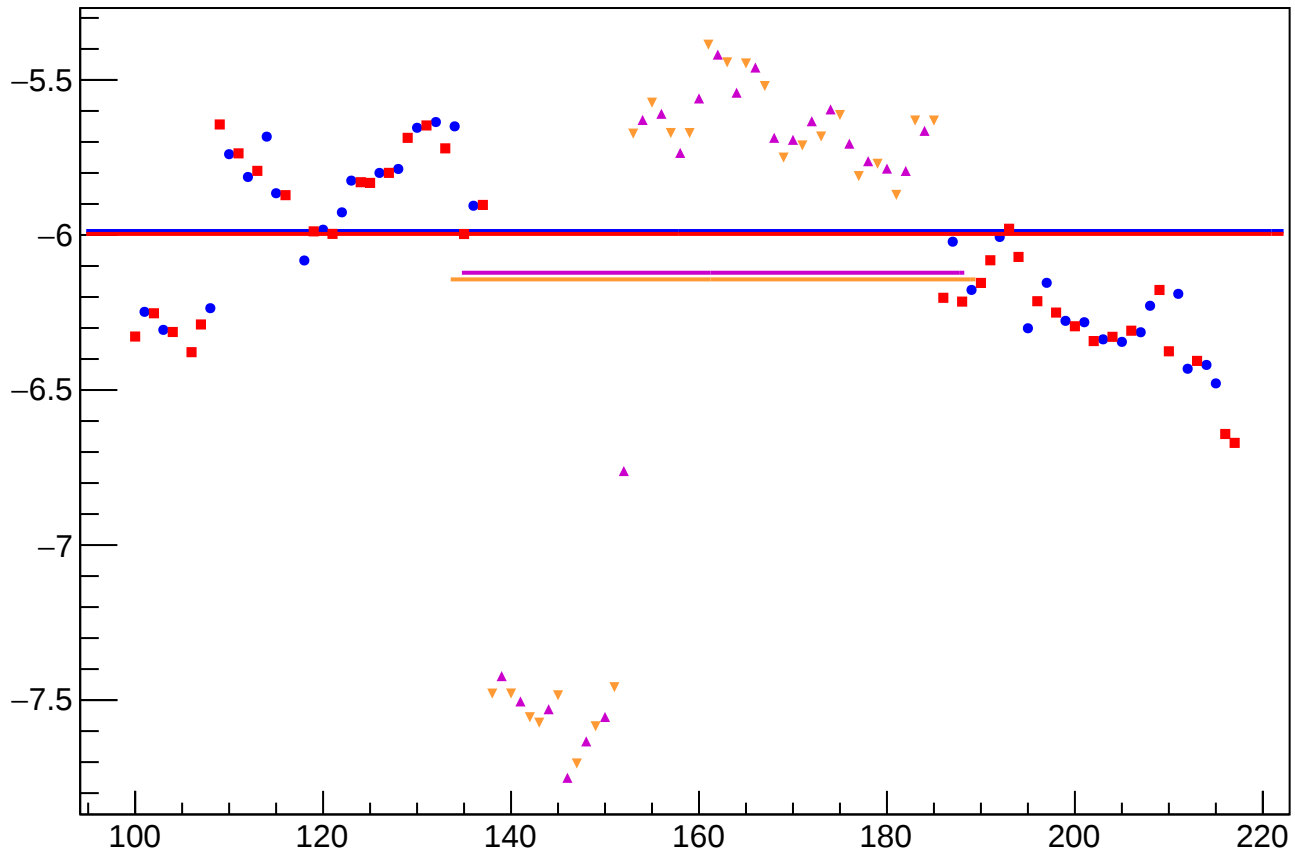
Left In: 0.006+/-0.000 χ^2/NDF : 334332.4/22

+ sign 0.007+/-0.000 χ^2/NDF : 3506202.1/56

All: 0.007+/-0.000 χ^2/NDF : 7309967.5/115

- sign 0.007+/-0.000 χ^2/NDF : 3803764.2/58

yield_bpm0l01Y_mean vs Slug



Right In: -5.987+/-0.000 χ^2 /NDF: 17542912306.5/31

Left Out: -6.143+/-0.000 χ^2 /NDF: 185721259239.3/24

Right Out: -5.997+/-0.000 χ^2 /NDF: 20728570961.0/35

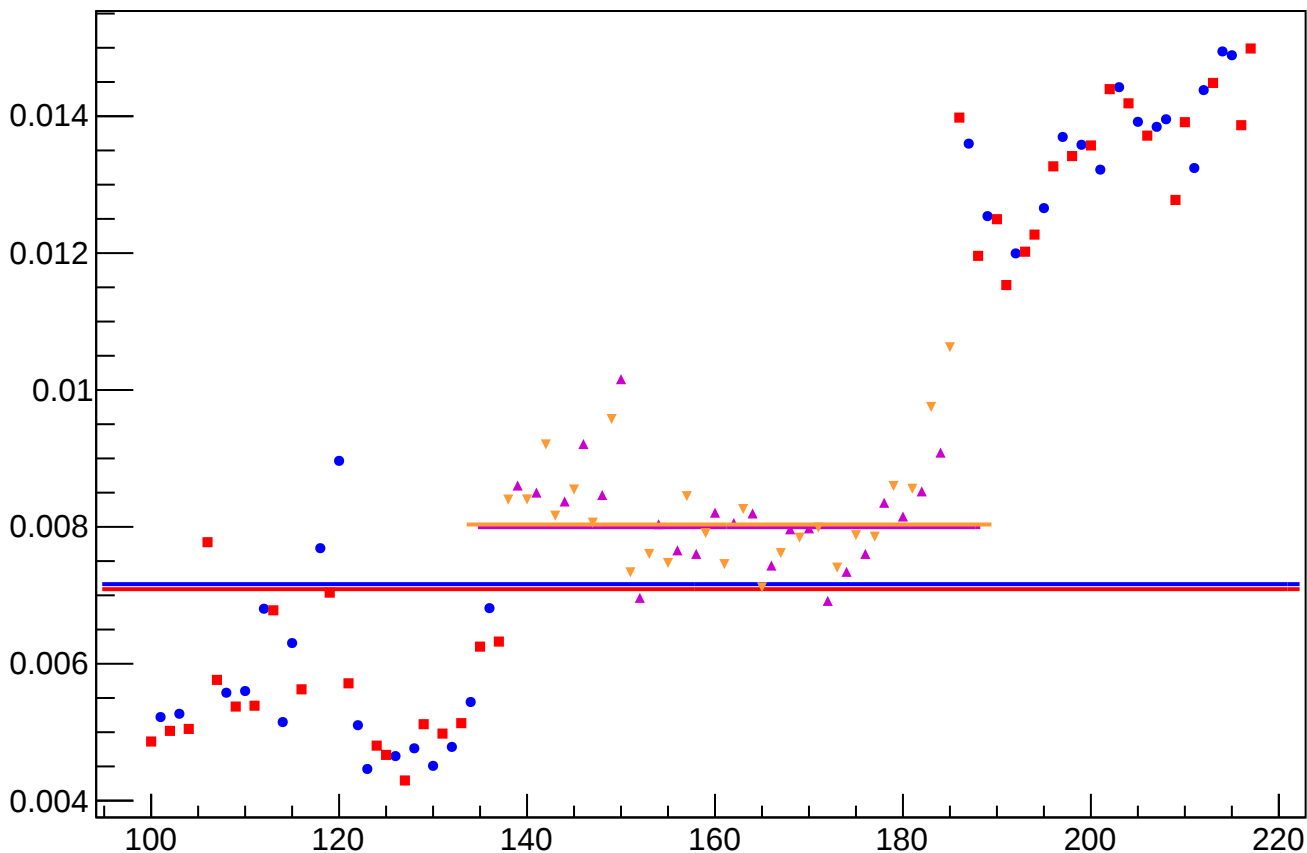
Left In: -6.122+/-0.000 χ^2 /NDF: 159909473006.6/22

+ sign -6.065+/-0.000 χ^2 /NDF: 206400416412.1/56

All: -6.060+/-0.000 χ^2 /NDF: 389154278655.2

- sign -6.055+/-0.000 χ^2 /NDF: 182724905013.3/58

yield_bpm0l01Y_rms vs Slug



Right In: 0.007+/-0.000 χ^2/NDF : 6269183.9/31

Left Out: 0.008+/-0.000 χ^2/NDF :205976.0/24

Right Out: 0.007+/-0.000 χ^2/NDF : 6549031.6/35

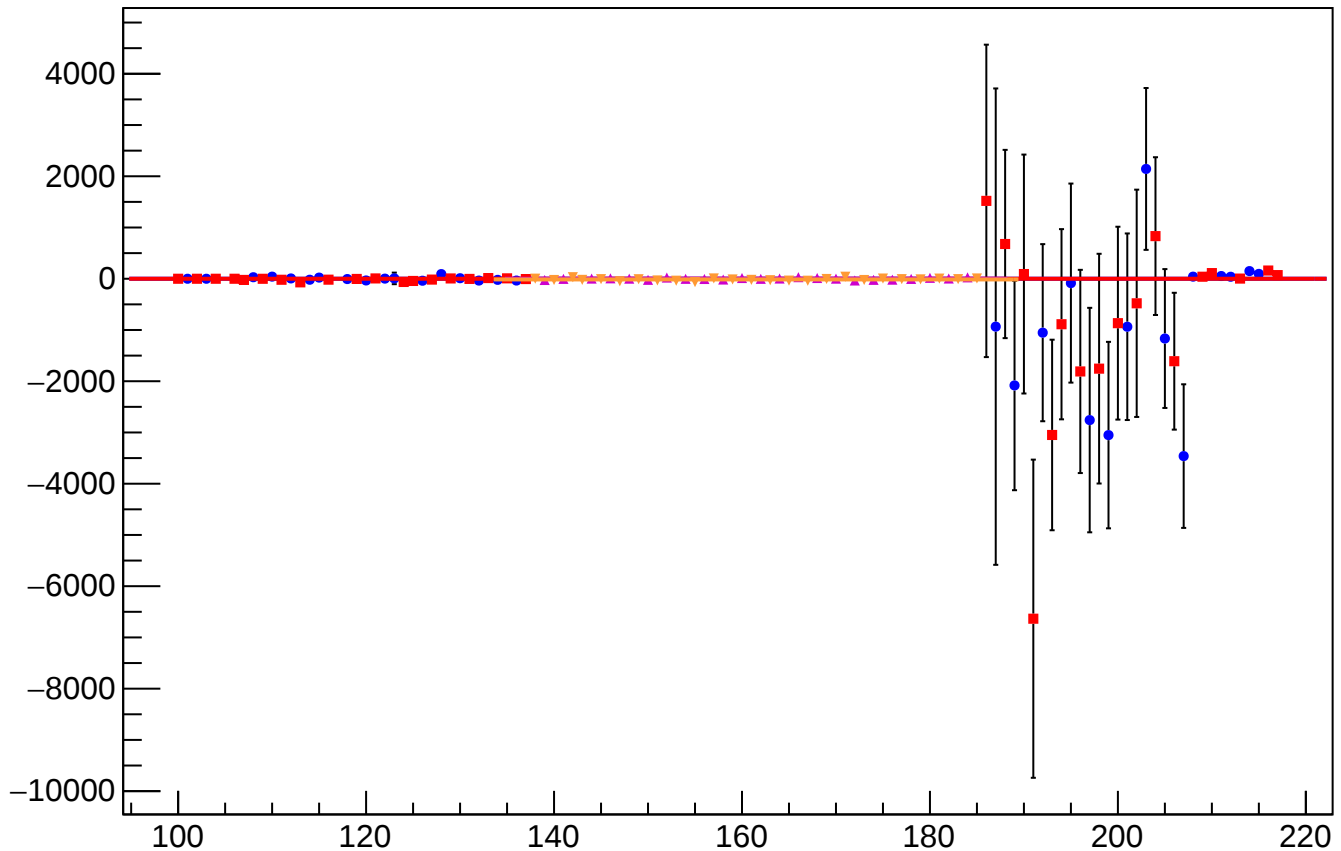
Left In: 0.008+/-0.000 χ^2/NDF :220203.0/22

+ sign 0.008+/-0.000 χ^2/NDF : 6670637.2/56

All: 0.008+/-0.000 χ^2/NDF : 13662556.0/115

- sign 0.008+/-0.000 χ^2/NDF : 6987851.0/58

diff_cav4bX_mean vs Slug



Right In: 0.013 ± 0.017 χ^2/NDF : 46.8/31

Left Out: -13.472 ± 2.796 χ^2/NDF : 58.5/24

Right Out: 0.003 ± 0.016 χ^2/NDF : 45.4/35

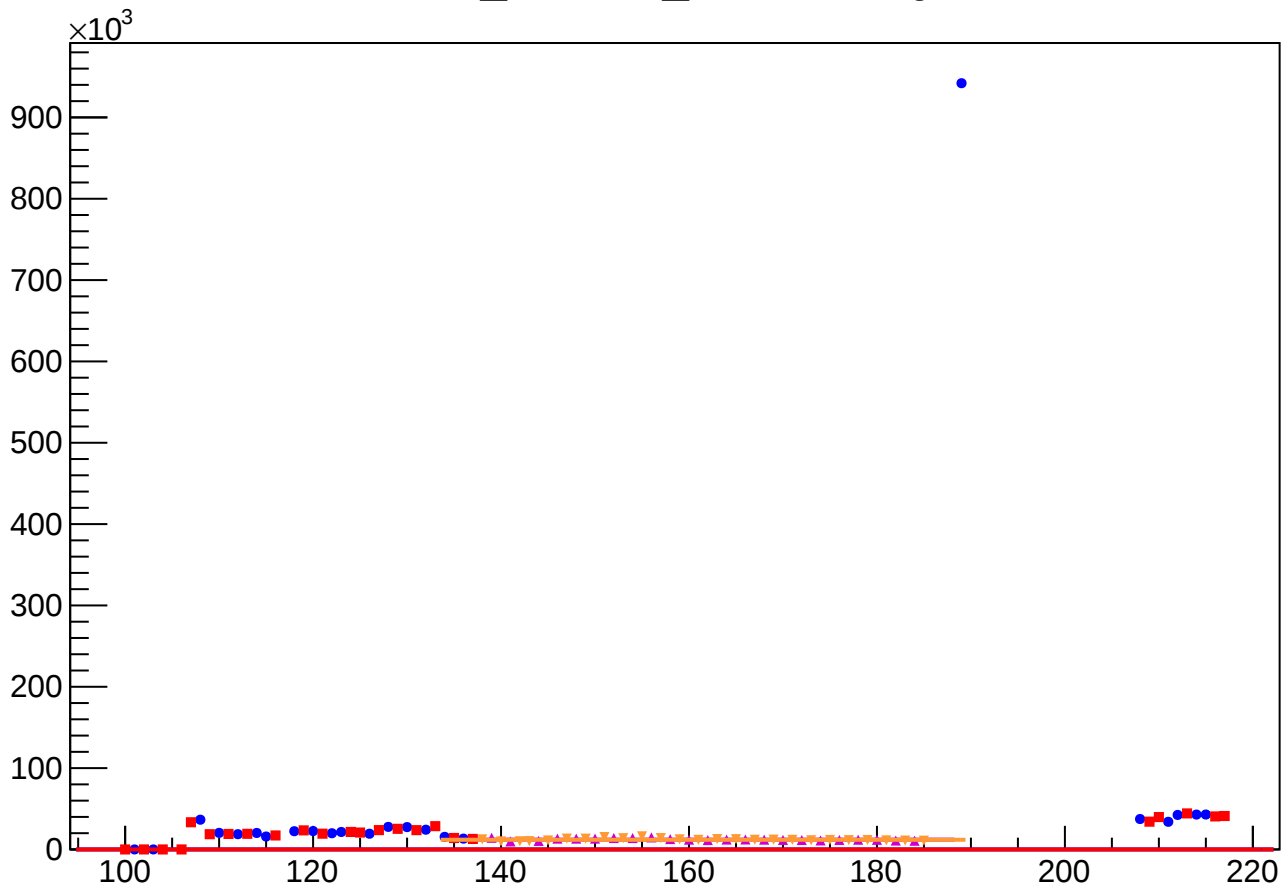
Left In: -0.489 ± 2.905 χ^2/NDF : 28.7/22

+ sign 0.013 ± 0.017 χ^2/NDF : 128.6/56

All: 0.008 ± 0.012 χ^2/NDF : 202.8/115

- sign 0.003 ± 0.016 χ^2/NDF : 74.1/58

diff_cav4bX_rms vs Slug



Right In: 18.667 $\pm$ 0.012 χ^2 /NDF: 18016290.7/22

Left Out: 11909.835 $\pm$ 1.977 χ^2 /NDF: 475310.2/24

Right Out: 18.335 $\pm$ 0.011 χ^2 /NDF: 18322654.6/23

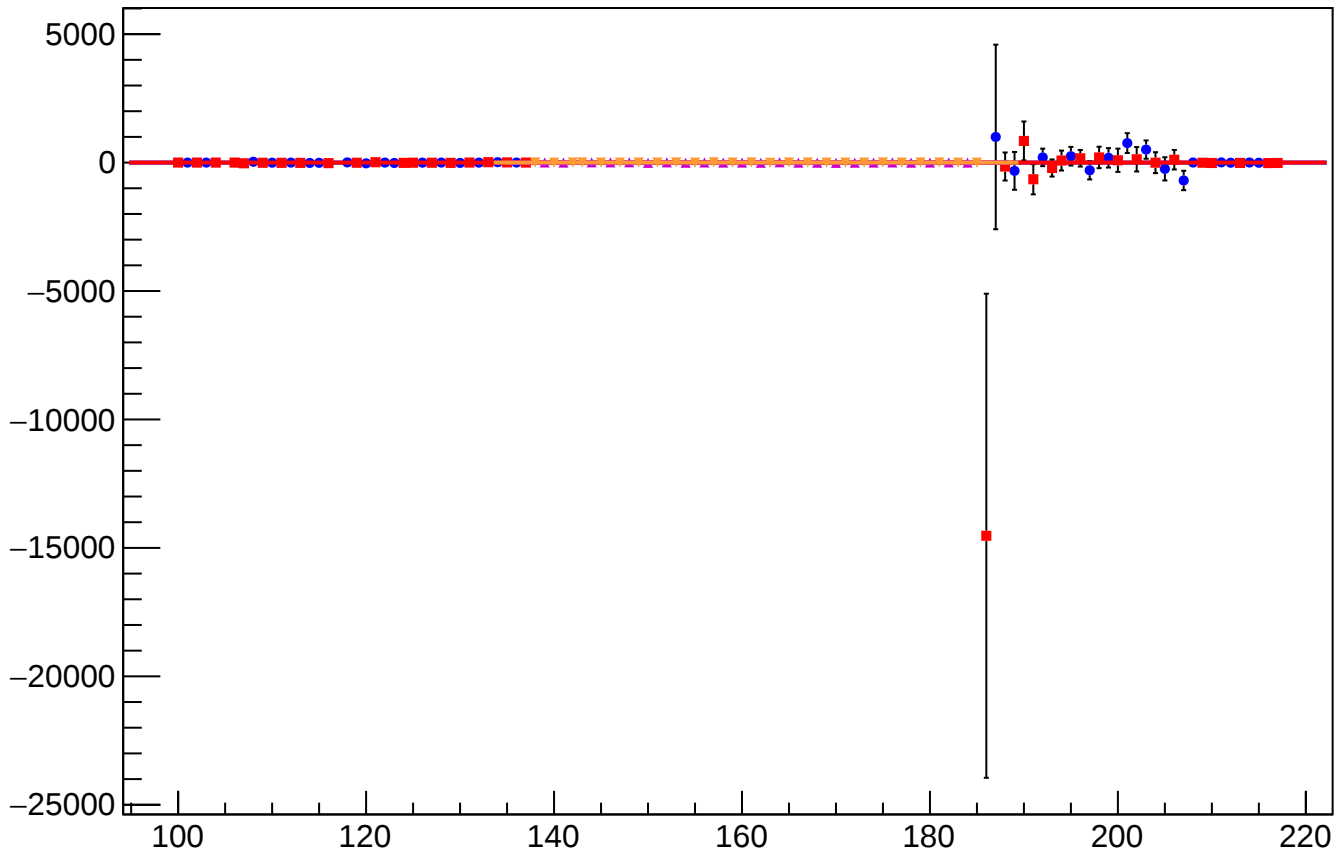
Left In: 12064.321 $\pm$ 2.054 χ^2 /NDF: 372586.0/22

+ sign 19.124 $\pm$ 0.012 χ^2 /NDF: 54656371.0/47

All: 18.898 $\pm$ 0.008 χ^2 /NDF: 107732067.9/94

- sign 18.703 $\pm$ 0.011 χ^2 /NDF: 53075063.4/46

diff_cav4bY_mean vs Slug



Right In: 0.001 ± 0.009 χ^2/NDF : 29.4/31

Left Out: 1.675 ± 1.021 χ^2/NDF : 17.9/24

Right Out: 0.014 ± 0.009 χ^2/NDF : 48.3/35

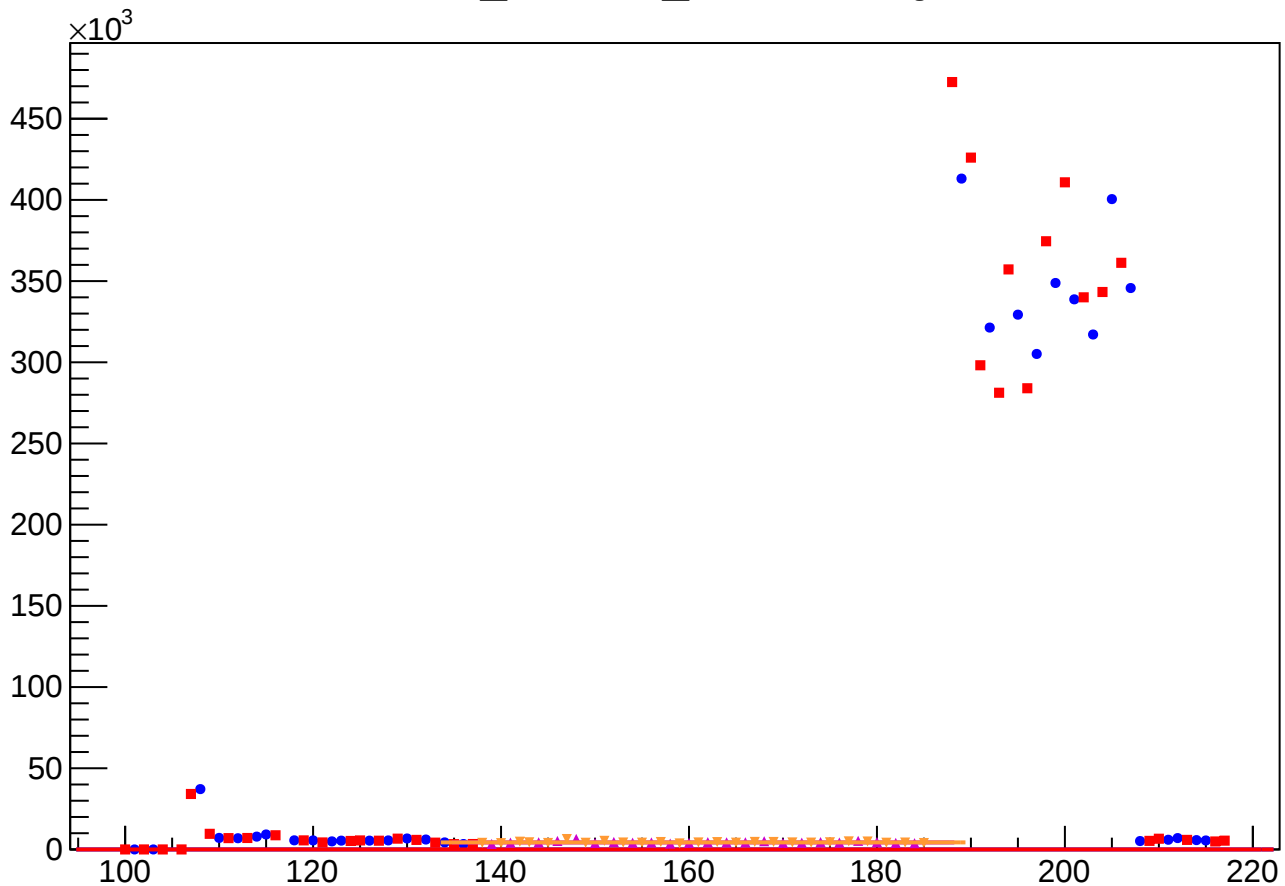
Left In: 0.843 ± 1.043 χ^2/NDF : 35.7/22

+ sign 0.001 ± 0.009 χ^2/NDF : 50.0/56

All: 0.008 ± 0.006 χ^2/NDF : 135.7/115

- sign 0.014 ± 0.009 χ^2/NDF : 84.5/58

diff_cav4bY_rms vs Slug



Right In: 9.990 ± 0.007 χ^2/NDF : 31457720.9/30

Left Out: 4350.545 ± 0.722 χ^2/NDF : 384749.0/24

Right Out: 9.904 ± 0.006 χ^2/NDF : 33088450.0/34

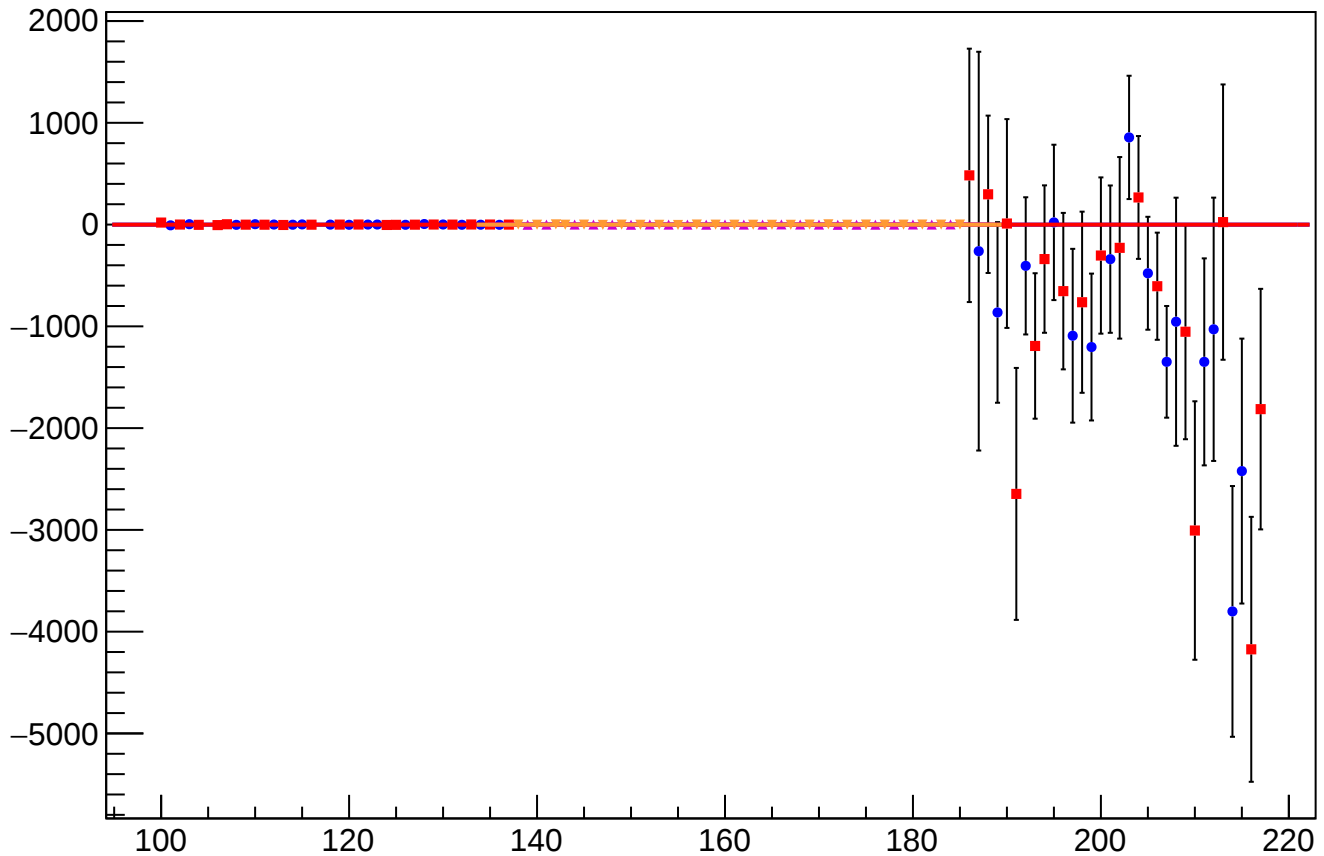
Left In: 4314.568 ± 0.738 χ^2/NDF : 534594.3/22

+ sign 10.342 ± 0.007 χ^2/NDF : 67984851.9/55

All: 10.267 ± 0.004 χ^2/NDF : 135670431.2/1

- sign 10.200 ± 0.006 χ^2/NDF : 67685325.5/57

diff_cav4cX_mean vs Slug



Right In: -0.706 ± 0.485 χ^2/NDF : 53.2/31

Left Out: -0.774 ± 0.164 χ^2/NDF : 58.4/24

Right Out: -0.764 ± 0.502 χ^2/NDF : 42.0/35

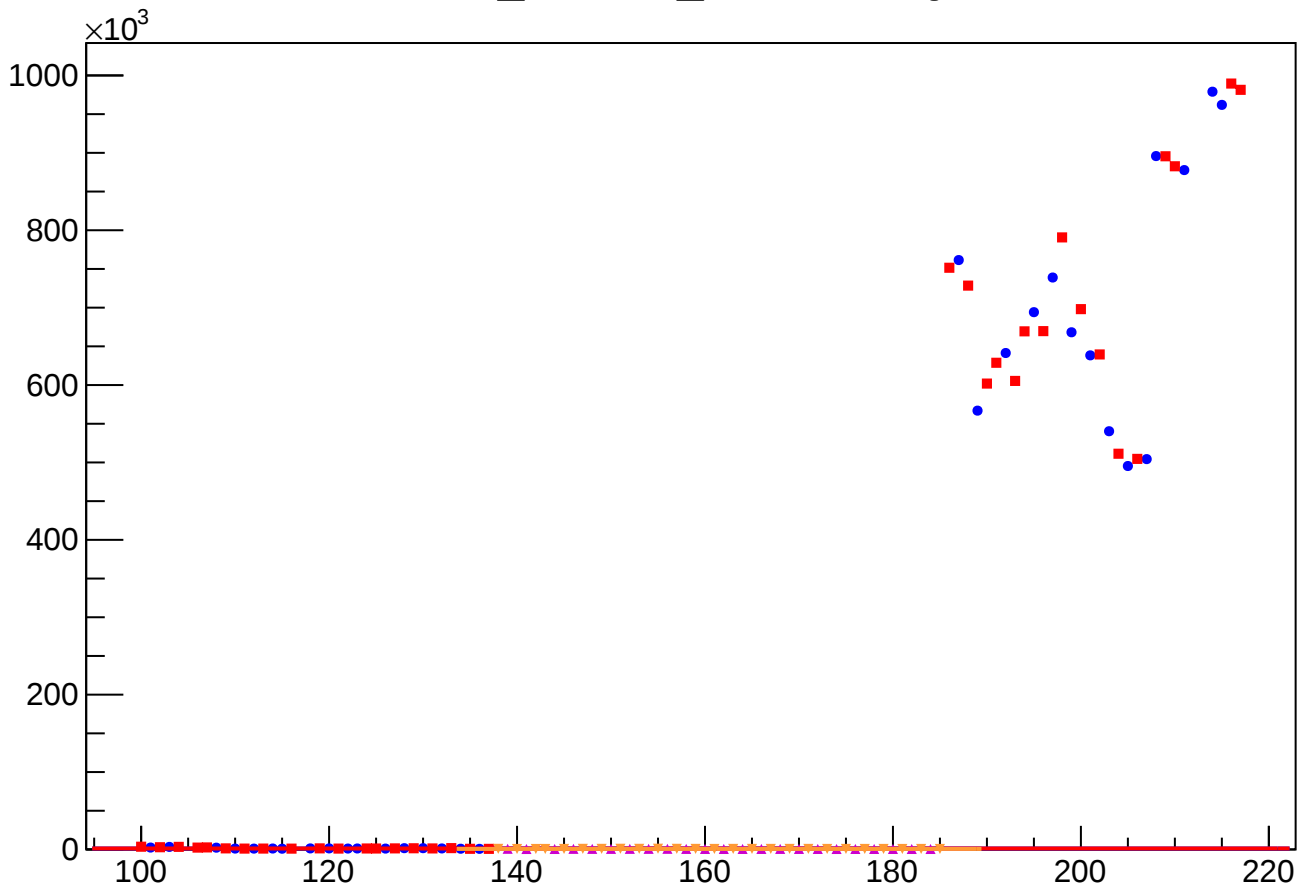
Left In: -0.020 ± 0.170 χ^2/NDF : 29.2/22

+ sign -0.767 ± 0.156 χ^2/NDF : 111.6/56

All: -0.444 ± 0.112 χ^2/NDF : 193.8/115

- sign -0.097 ± 0.161 χ^2/NDF : 73.2/58

diff_cav4cX_rms vs Slug



Right In: 1167.348+/-0.343 χ^2/NDF : 18558261.3/30

Left Out: 700.797+/-0.116 χ^2/NDF : 392521.4/24

+ sign 748.825+/-0.110 χ^2/NDF : 20610914.4/55

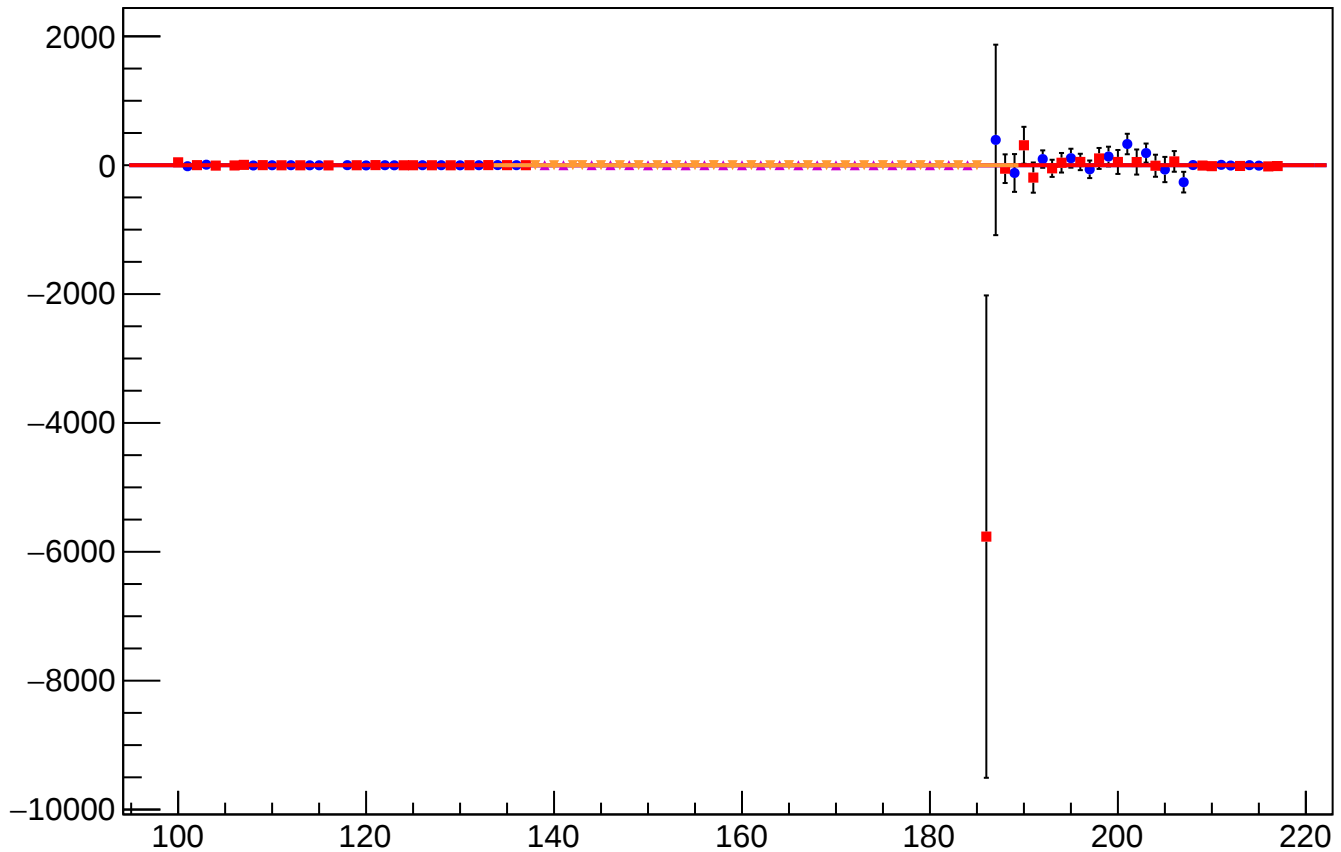
Right Out: 1252.656+/-0.355 χ^2/NDF : 19238469.7/34

All: 755.737+/-0.079 χ^2/NDF : 42314987.2/11

Left In: 706.950+/-0.120 χ^2/NDF : 338177.1/22

- sign 763.147+/-0.114 χ^2/NDF : 21695896.9/57

diff_cav4cY_mean vs Slug



Right In: -0.061 ± 0.269 χ^2/NDF : 35.1/31

Left Out: 0.236 ± 0.122 χ^2/NDF : 17.6/24

Right Out: 0.093 ± 0.263 χ^2/NDF : 57.3/35

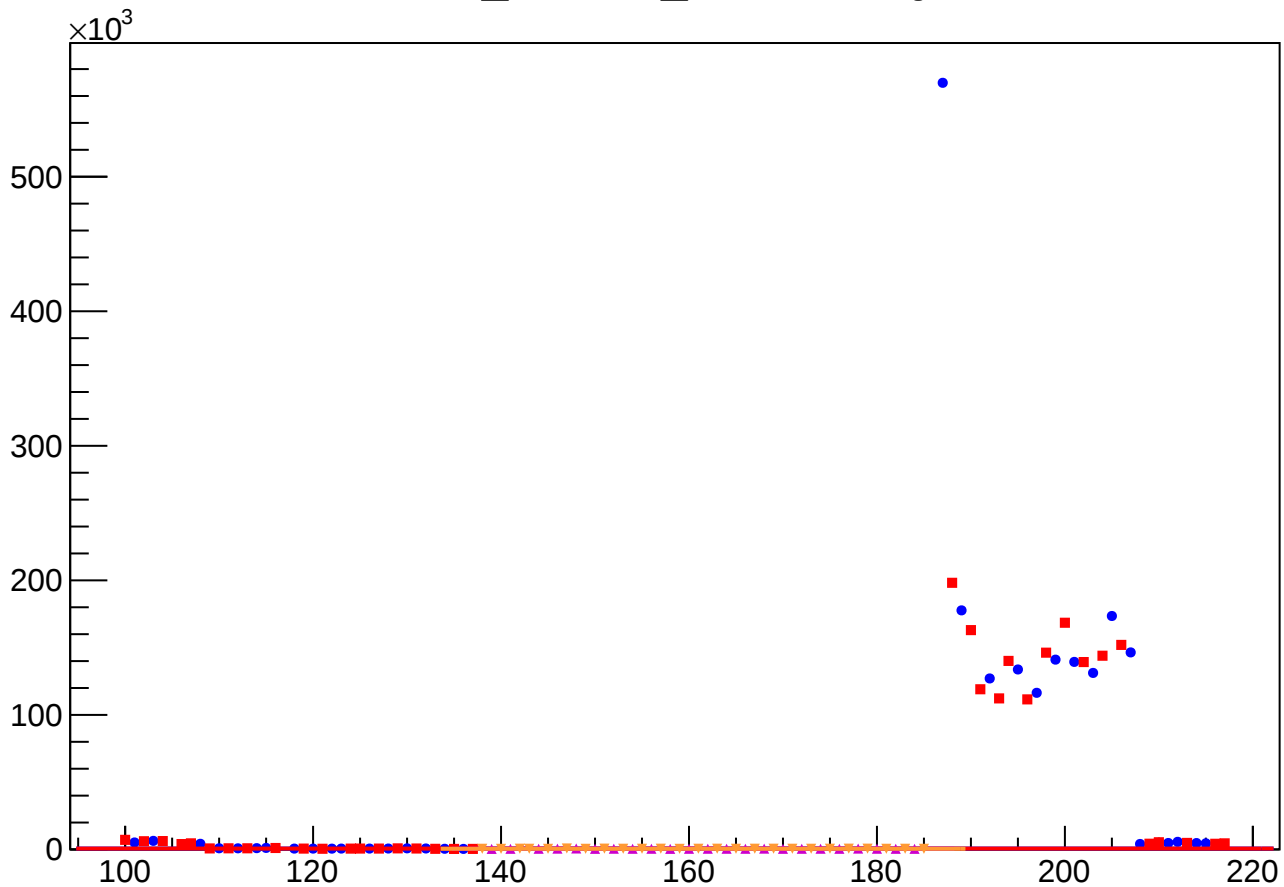
Left In: 0.115 ± 0.125 χ^2/NDF : 35.0/22

+ sign 0.185 ± 0.111 χ^2/NDF : 53.7/56

All: 0.149 ± 0.079 χ^2/NDF : 146.1/115

- sign 0.111 ± 0.113 χ^2/NDF : 92.2/58

diff_cav4cY_rms vs Slug



Right In: 658.528 ± 0.190 χ^2/NDF : 22251985.6/31

Left Out: 522.416 ± 0.087 χ^2/NDF : 331573.1/24

Right Out: 650.499 ± 0.186 χ^2/NDF : 23731854.9/34

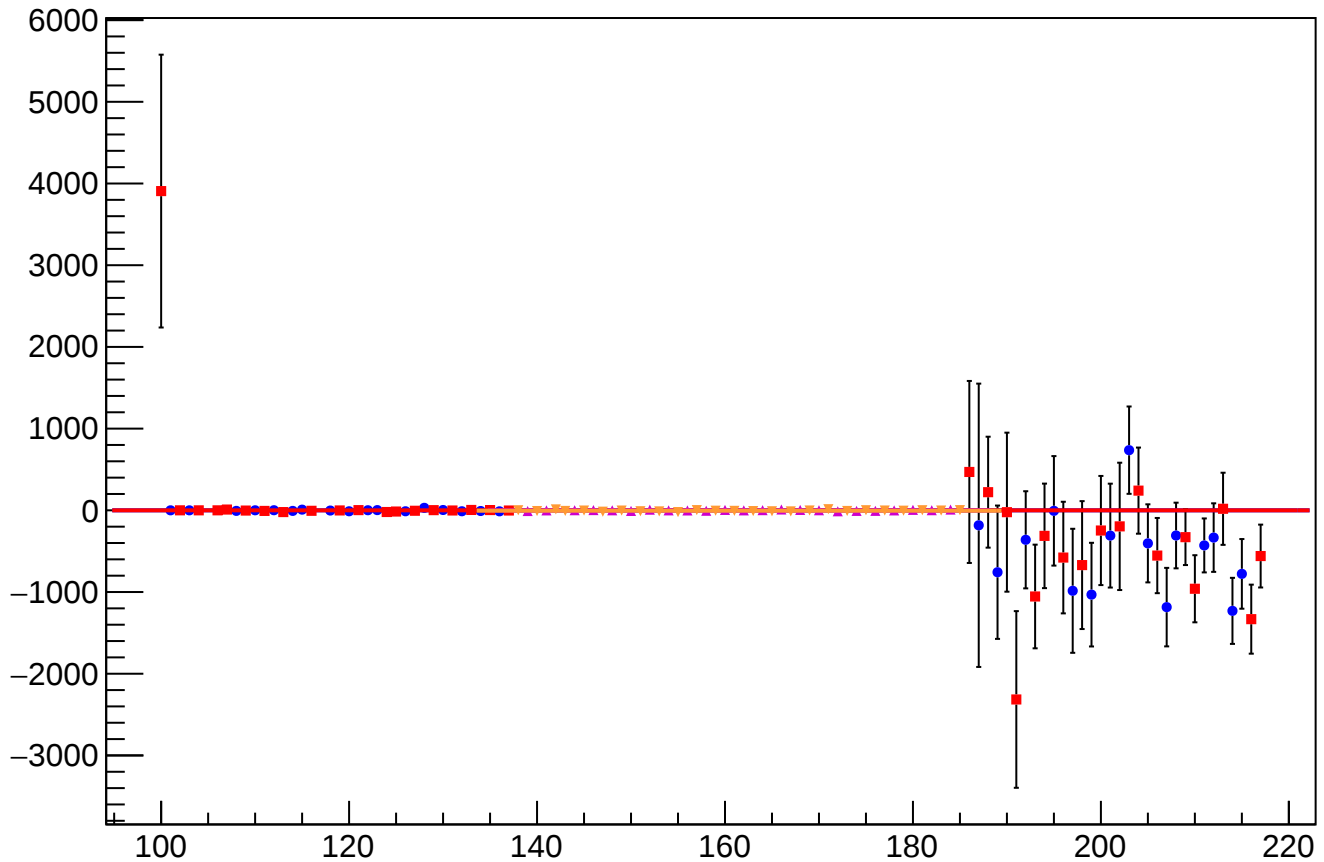
Left In: 519.909 ± 0.089 χ^2/NDF : 444746.3/22

+ sign 545.785 ± 0.079 χ^2/NDF : 23007612.8/56

All: 544.950 ± 0.056 χ^2/NDF : 47585420.4/11

- sign 544.088 ± 0.080 χ^2/NDF : 24577579.4/57

diff_cav4dX_mean vs Slug



Right In: -0.022 ± 0.021 χ^2/NDF : 45.6/31

Left Out: -4.474 ± 0.956 χ^2/NDF : 58.2/24

Right Out: -0.027 ± 0.020 χ^2/NDF : 46.4/35

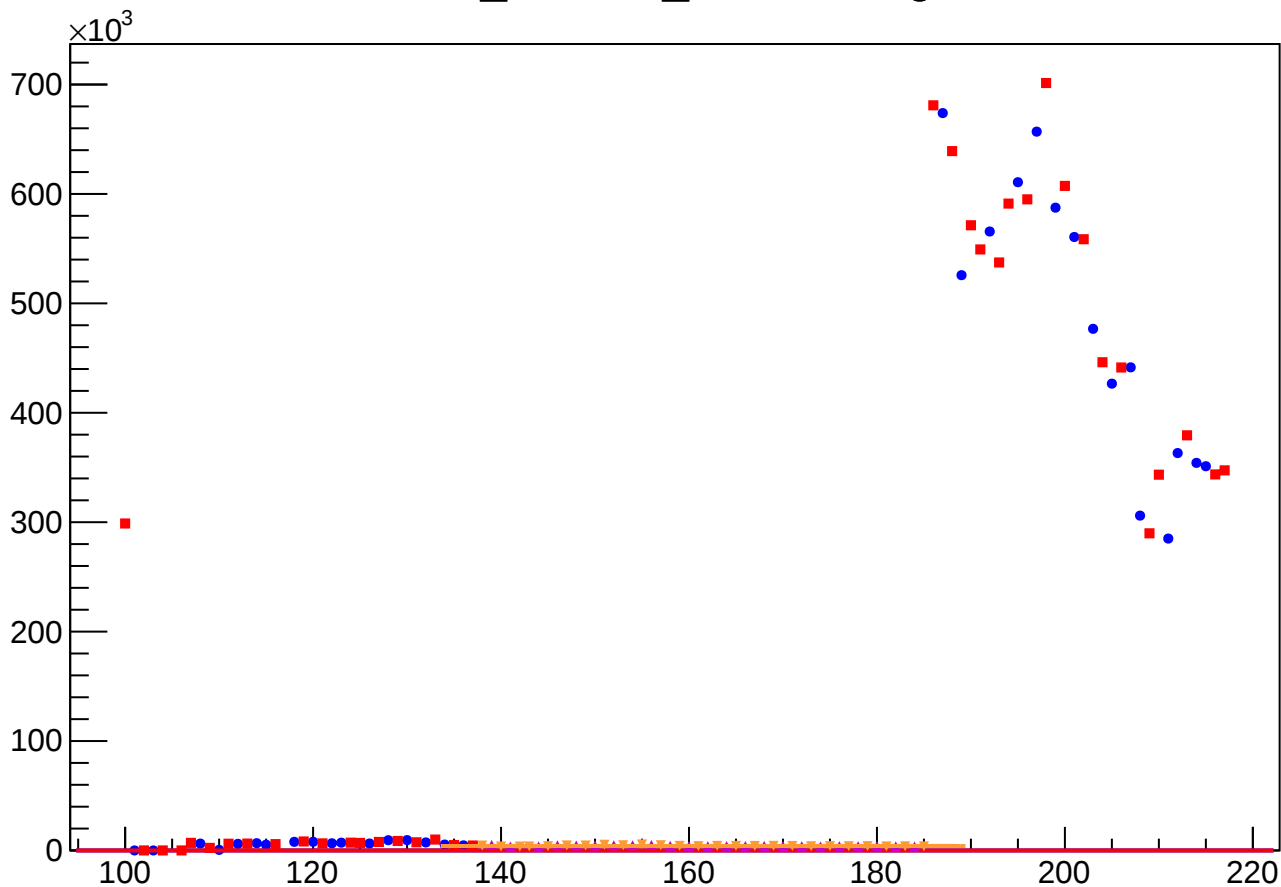
Left In: -0.193 ± 0.990 χ^2/NDF : 29.2/22

+ sign -0.024 ± 0.021 χ^2/NDF : 125.6/56

All: -0.025 ± 0.014 χ^2/NDF : 201.3/115

- sign -0.027 ± 0.020 χ^2/NDF : 75.7/58

diff_cav4dX_rms vs Slug



Right In: 17.346+/-0.015 χ^2 /NDF: 31603749.0/31

Left Out: 4074.257+/-0.676 χ^2 /NDF:416916.0/24

Right Out: 17.277+/-0.014 χ^2 /NDF: 33956116.4/35

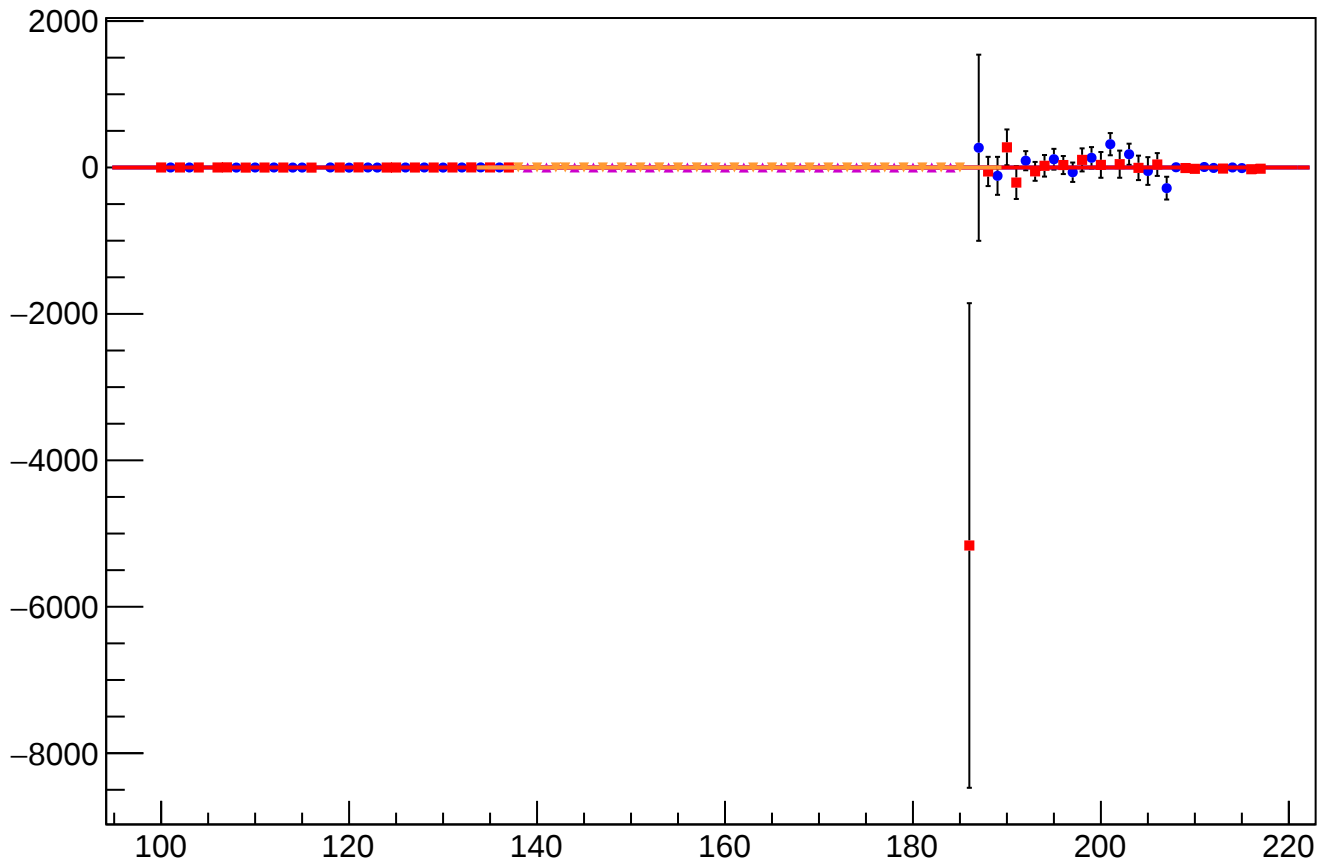
Left In: 4113.744+/-0.700 χ^2 /NDF:354965.8/22

+ sign 19.266+/-0.015 χ^2 /NDF: 68053715.9/56

All: 19.079+/-0.010 χ^2 /NDF: 136581808.5/11

- sign 18.910+/-0.014 χ^2 /NDF: 68527784.9/58

diff_cav4dY_mean vs Slug



Right In: 0.000 $\pm$ 0.002 χ^2 /NDF: 30.3/31

Left Out: 0.151 $\pm$ 0.076 χ^2 /NDF:16.8/24

Right Out: 0.001 $\pm$ 0.002 χ^2 /NDF: 57.4/35

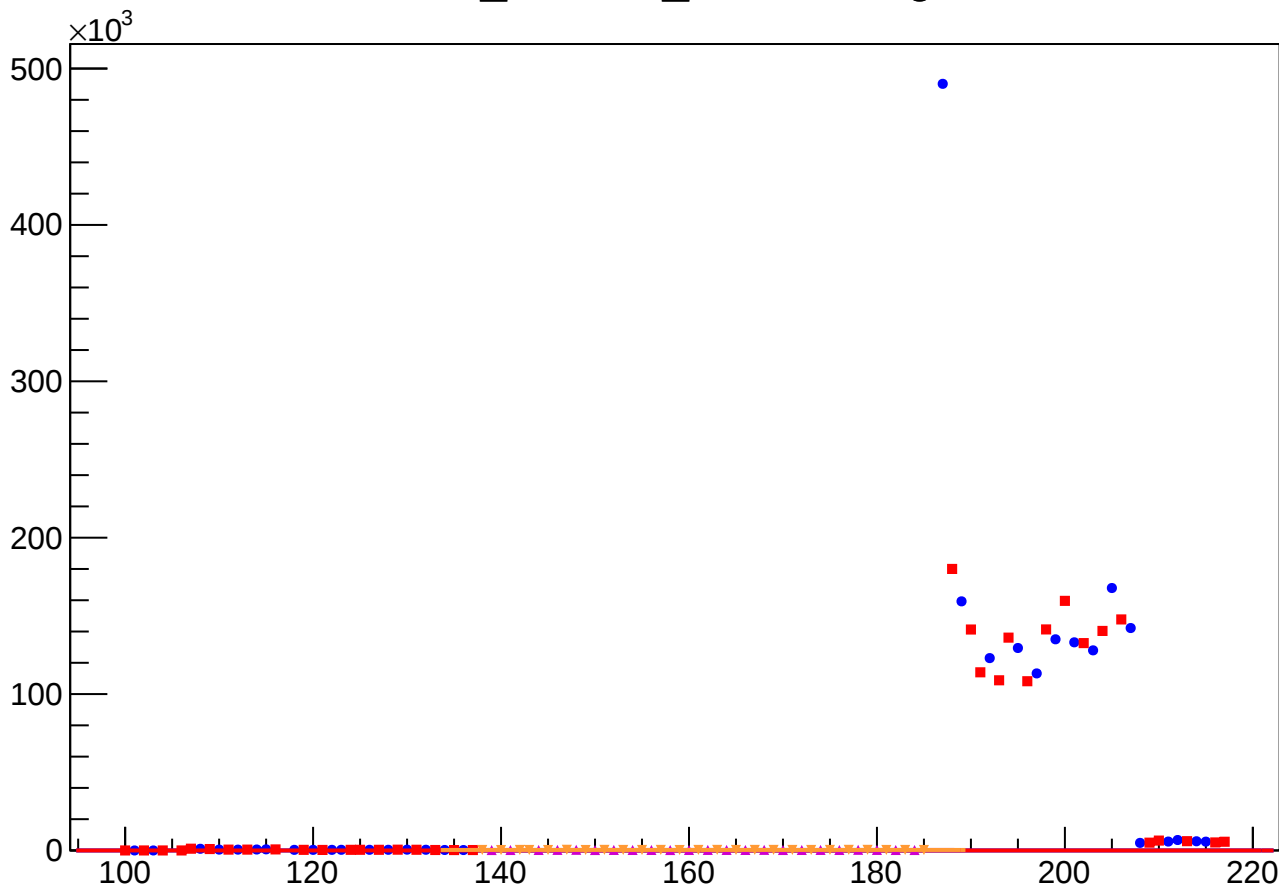
Left In: 0.075 $\pm$ 0.078 χ^2 /NDF:34.8/22

+ sign 0.000 $\pm$ 0.002 χ^2 /NDF: 51.0/56

All: 0.001 $\pm$ 0.001 χ^2 /NDF: 144.2/115

- sign 0.001 $\pm$ 0.002 χ^2 /NDF: 93.1/58

diff_cav4dY_rms vs Slug



Right In: 1.701 $\pm$ 0.001 χ^2 /NDF: 31862545.6/31

Left Out: 325.469 $\pm$ 0.054 χ^2 /NDF: 350046.8/24

Right Out: 1.731 $\pm$ 0.001 χ^2 /NDF: 32886055.5/34

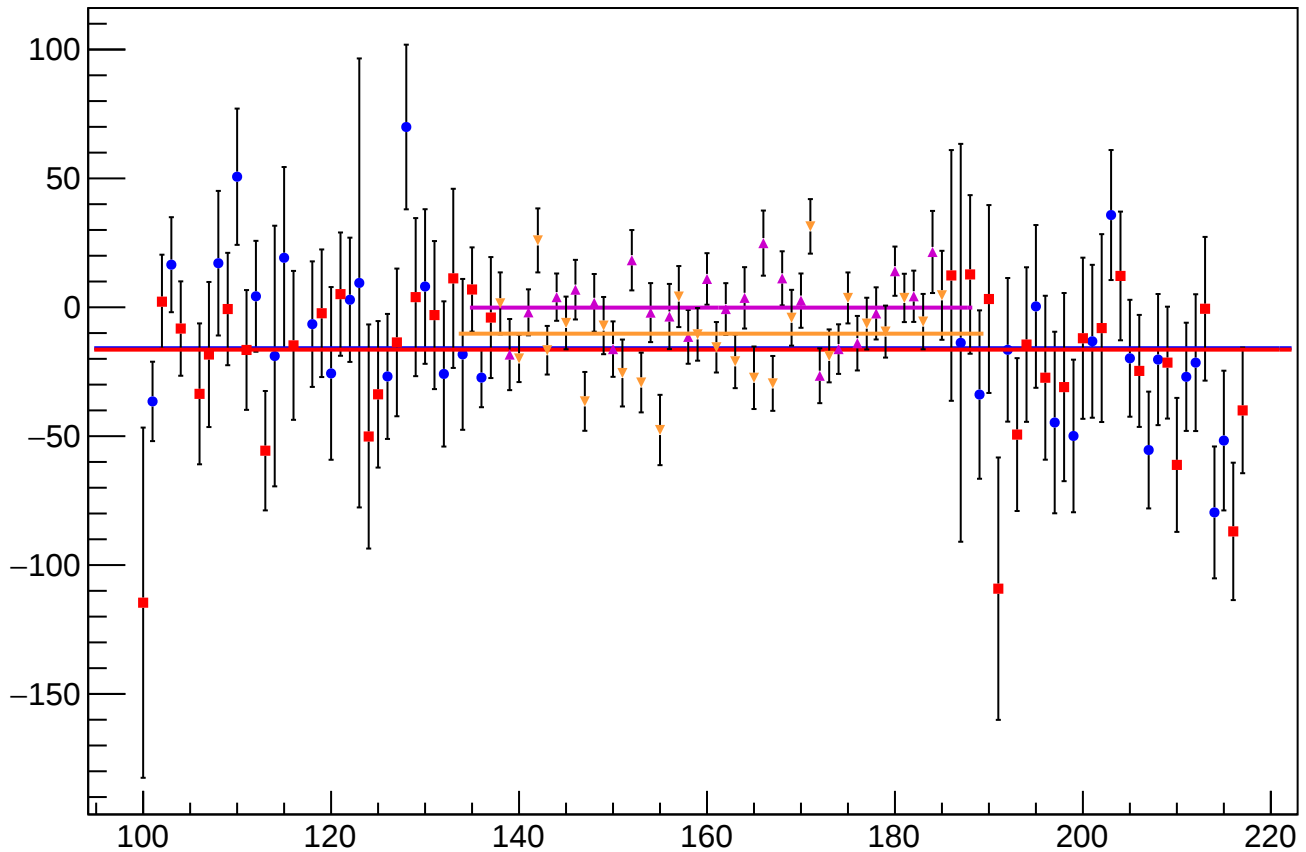
Left In: 325.201 $\pm$ 0.055 χ^2 /NDF: 428069.7/22

+ sign 1.929 $\pm$ 0.001 χ^2 /NDF: 68174320.2/56

All: 1.928 $\pm$ 0.001 χ^2 /NDF: 135458898.1/114

- sign 1.928 $\pm$ 0.001 χ^2 /NDF: 67284577.8/57

diff_bpm4aX_mean vs Slug



Right In: -15.880 $\pm$ 4.406 χ^2/NDF : 42.7/31

Left Out: -10.235 $\pm$ 2.167 χ^2/NDF : 58.0/24

Right Out: -16.430 $\pm$ 4.430 χ^2/NDF : 32.0/35

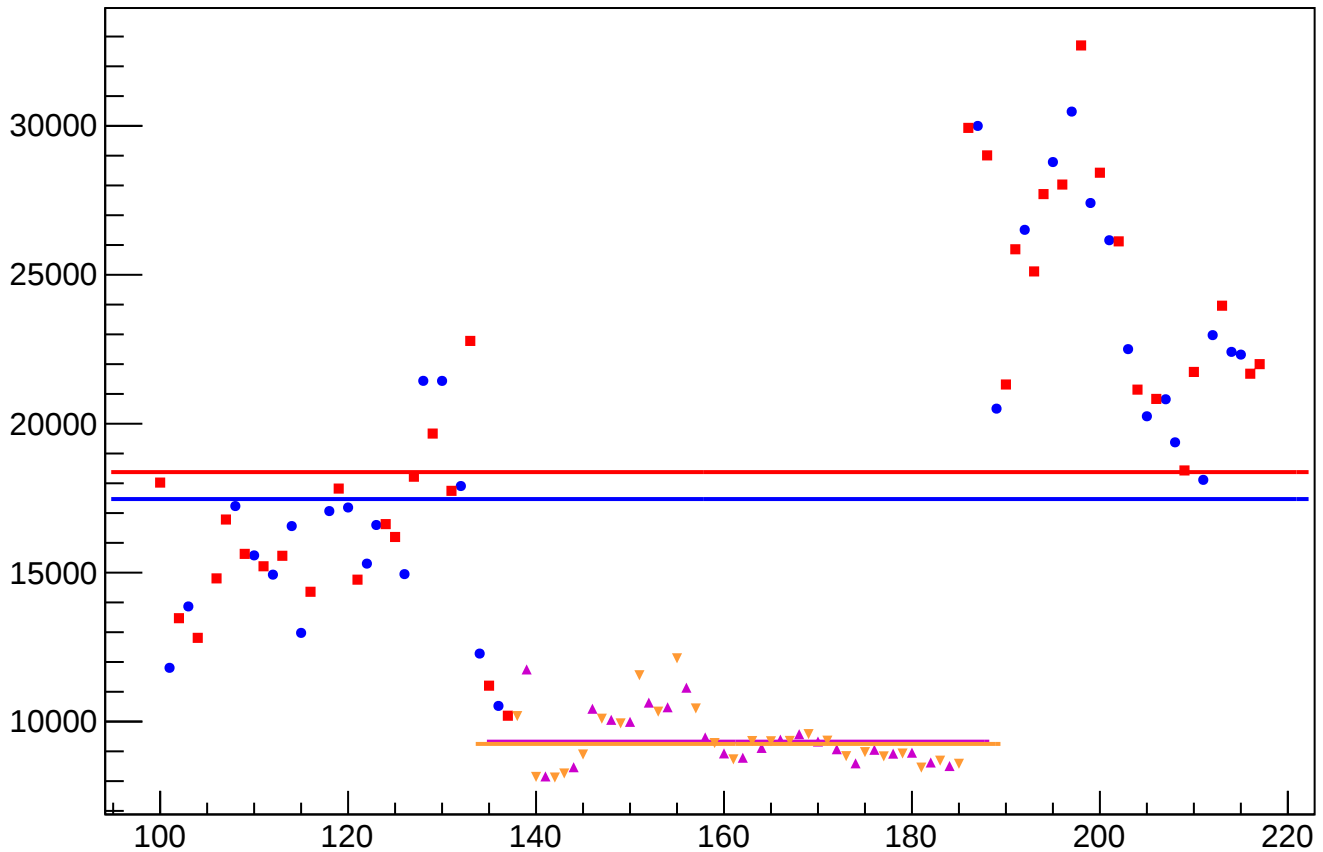
Left In: -0.130 $\pm$ 2.242 χ^2/NDF : 29.8/22

+ sign -11.334 $\pm$ 1.944 χ^2/NDF : 102.0/56

All: -7.506 $\pm$ 1.394 χ^2/NDF : 182.6/115

- sign -3.454 $\pm$ 2.001 χ^2/NDF : 72.6/58

diff_bpm4aX_rms vs Slug



Right In: 17470.512 $\pm$ 3.115 χ^2 /NDF: 2916503.1/31

Left Out: 9249.358 $\pm$ 1.532 χ^2 /NDF:332003.4/24

Right Out: 18375.508 $\pm$ 3.133 χ^2 /NDF: 2967300.7/35

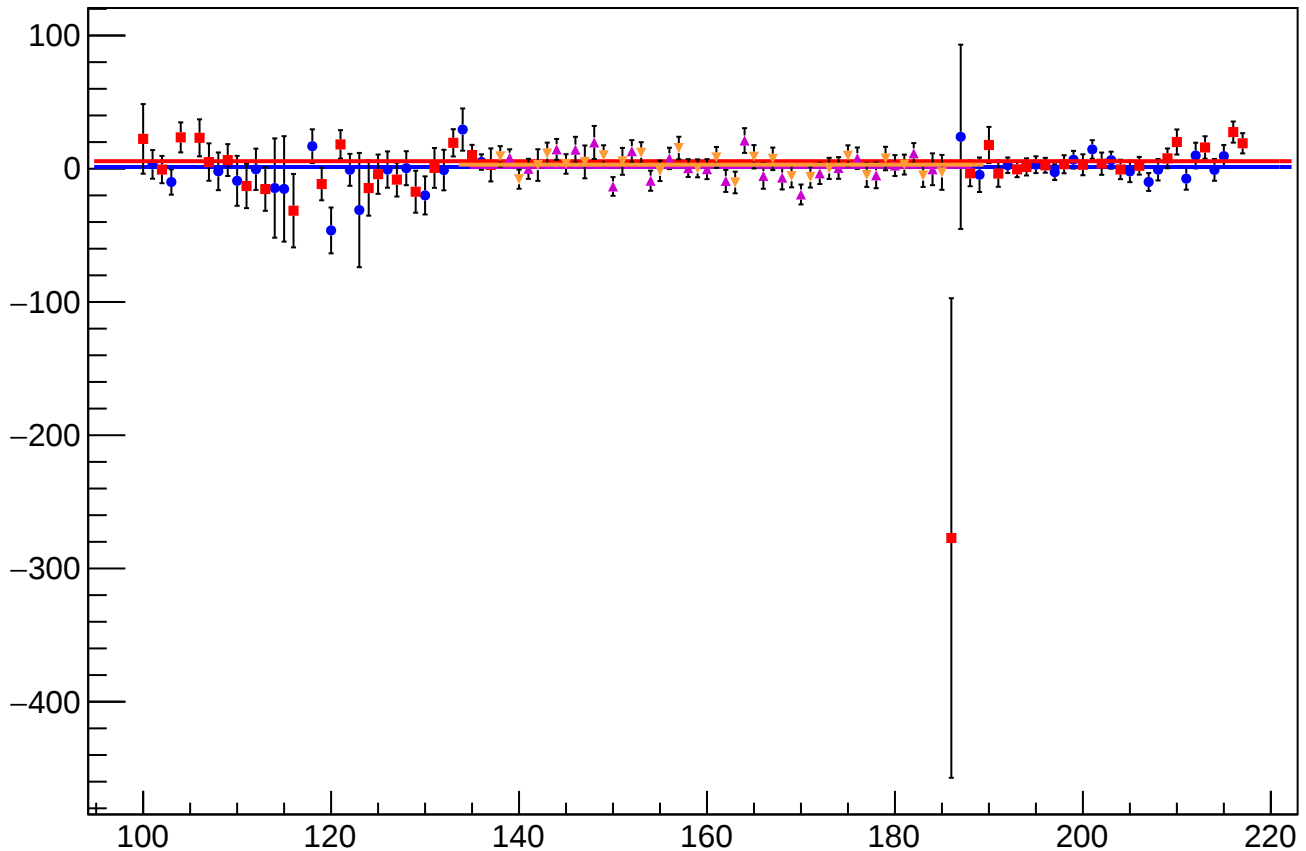
Left In: 9325.112 $\pm$ 1.585 χ^2 /NDF:280927.7/22

+ sign 10850.481 $\pm$ 1.375 χ^2 /NDF: 8856569.3/56

All: 11005.993 $\pm$ 0.986 χ^2 /NDF: 18775727.3

- sign 11170.647 $\pm$ 1.415 χ^2 /NDF: 9892815.0/58

diff_bpm4aY_mean vs Slug



Right In: 1.308 $\pm$ 1.644 χ^2 /NDF: 29.5/31

Left Out: 3.062 $\pm$ 1.659 χ^2 /NDF:18.3/24

Right Out: 5.672 $\pm$ 1.587 χ^2 /NDF: 42.8/35

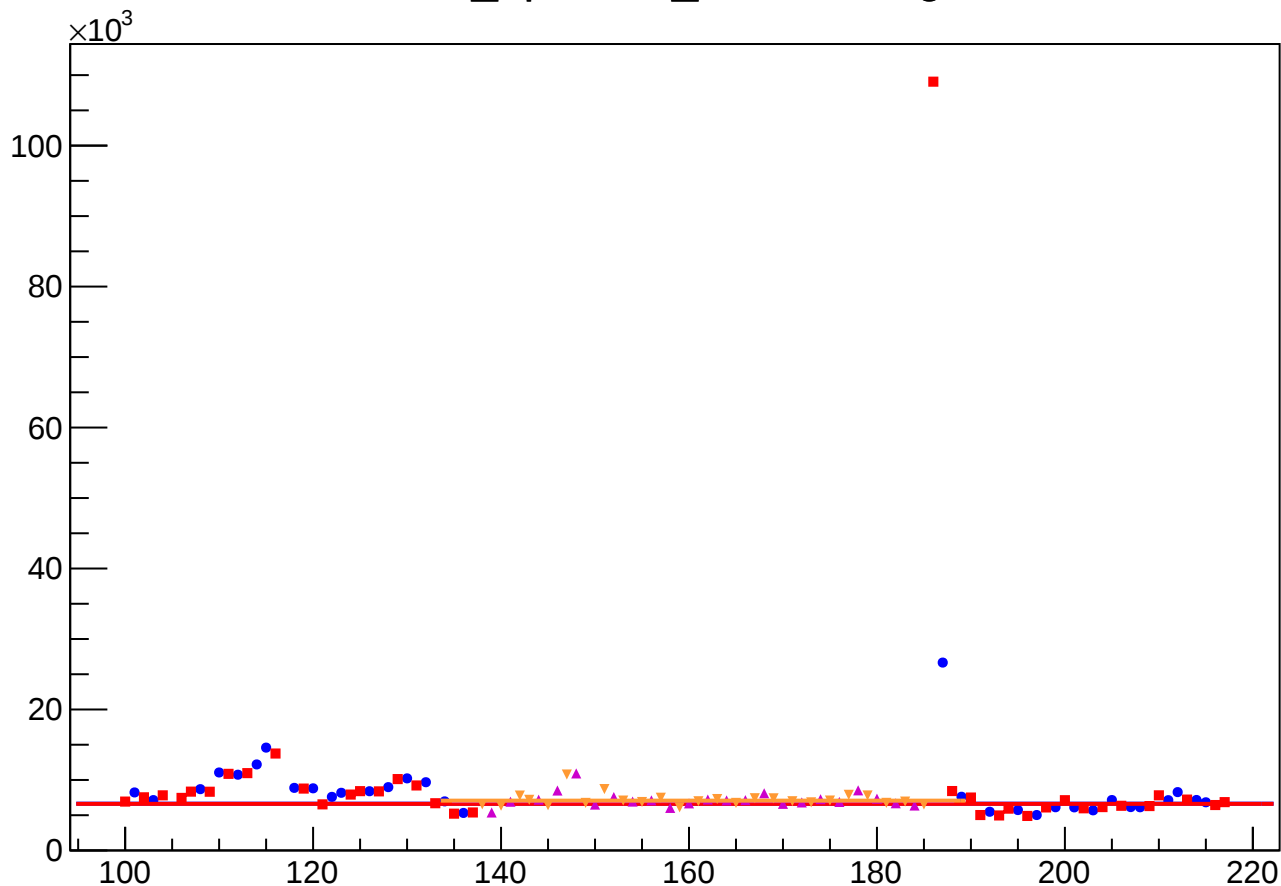
Left In: 1.394 $\pm$ 1.693 χ^2 /NDF:35.4/22

+ sign 2.177 $\pm$ 1.168 χ^2 /NDF: 48.3/56

All: 2.931 $\pm$ 0.822 χ^2 /NDF: 130.8/115

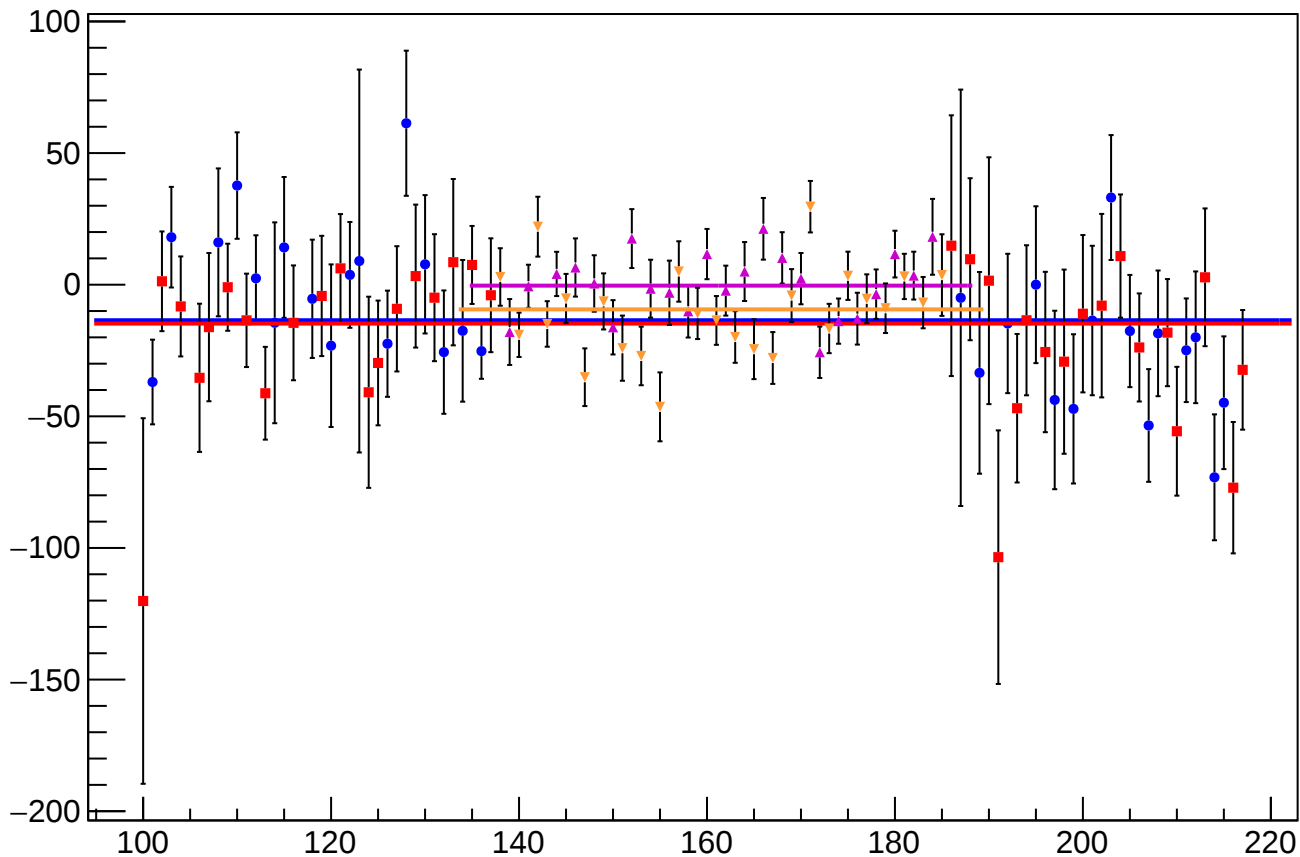
- sign 3.672 $\pm$ 1.158 χ^2 /NDF: 81.6/58

diff_bpm4aY_rms vs Slug



Right In: 6637.987 ± 1.162 $\chi^2/\text{NDF}: 1607532.3/31$ + sign 6850.419 ± 0.826 $\chi^2/\text{NDF}: 2062433.1/56$
 Left Out: 7066.826 ± 1.173 $\chi^2/\text{NDF}: 387449.8/24$ All: 6821.516 ± 0.581 $\chi^2/\text{NDF}: 4824931.2/11$
 Right Out: 6610.916 ± 1.122 $\chi^2/\text{NDF}: 2153654.9/35$ - sign 6793.093 ± 0.819 $\chi^2/\text{NDF}: 2760067.1/58$
 Left In: 7000.532 ± 1.197 $\chi^2/\text{NDF}: 550029.3/22$

diff_bpm4eX_mean vs Slug



Right In: -13.500 ± 4.034 χ^2/NDF : 43.5/31

Left Out: -9.376 ± 2.018 χ^2/NDF : 58.4/24

Right Out: -14.771 ± 4.024 χ^2/NDF : 30.2/35

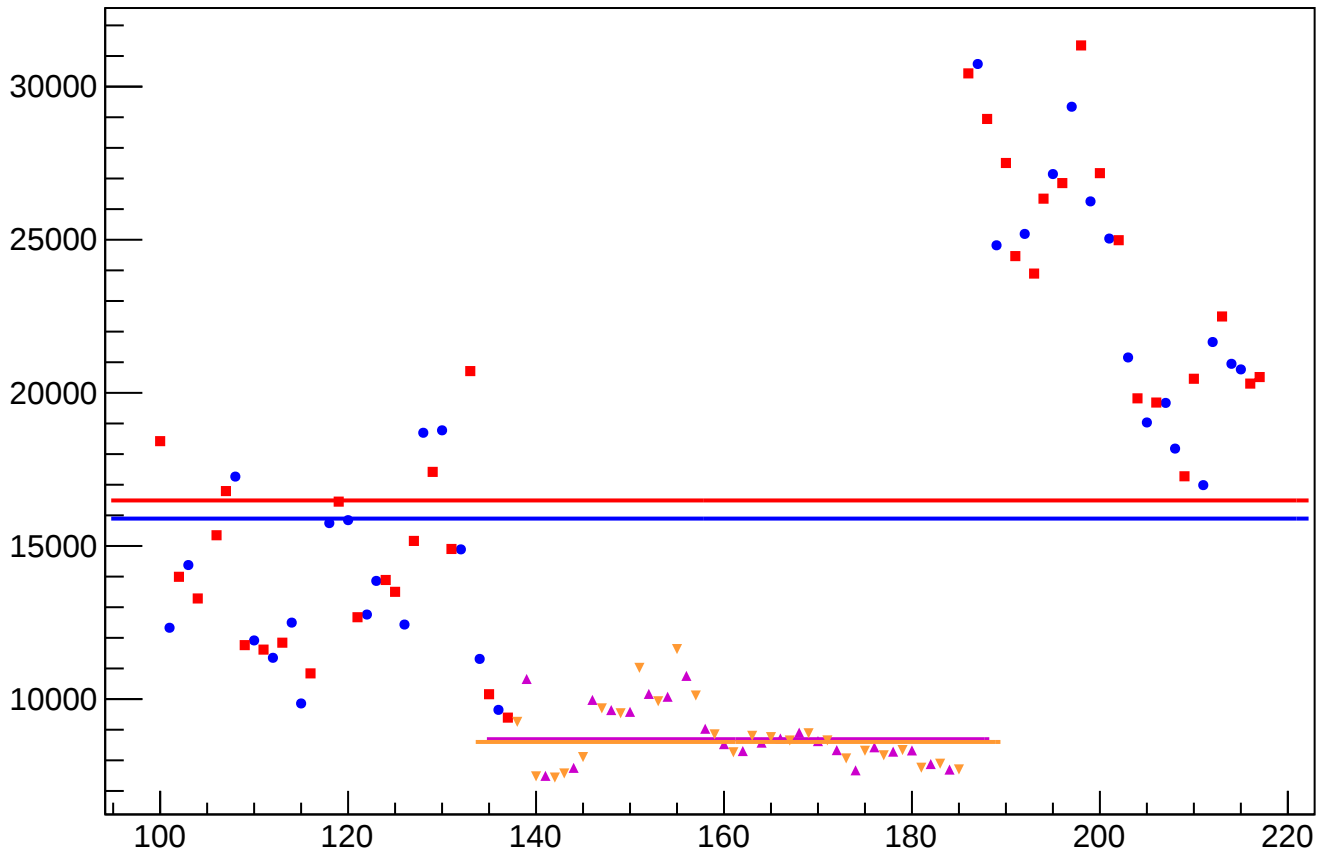
Left In: -0.353 ± 2.092 χ^2/NDF : 29.6/22

+ sign -10.201 ± 1.805 χ^2/NDF : 102.7/56

All: -6.907 ± 1.294 χ^2/NDF : 179.5/115

- sign -3.422 ± 1.856 χ^2/NDF : 69.9/58

diff_bpm4eX_rms vs Slug



Right In: 15894.435 $\pm$ 2.852 χ^2 /NDF: 3384288.4/31

Left Out: 8600.457 $\pm$ 1.427 χ^2 /NDF: 438229.4/24

Right Out: 16486.741 $\pm$ 2.845 χ^2 /NDF: 3782551.1/35

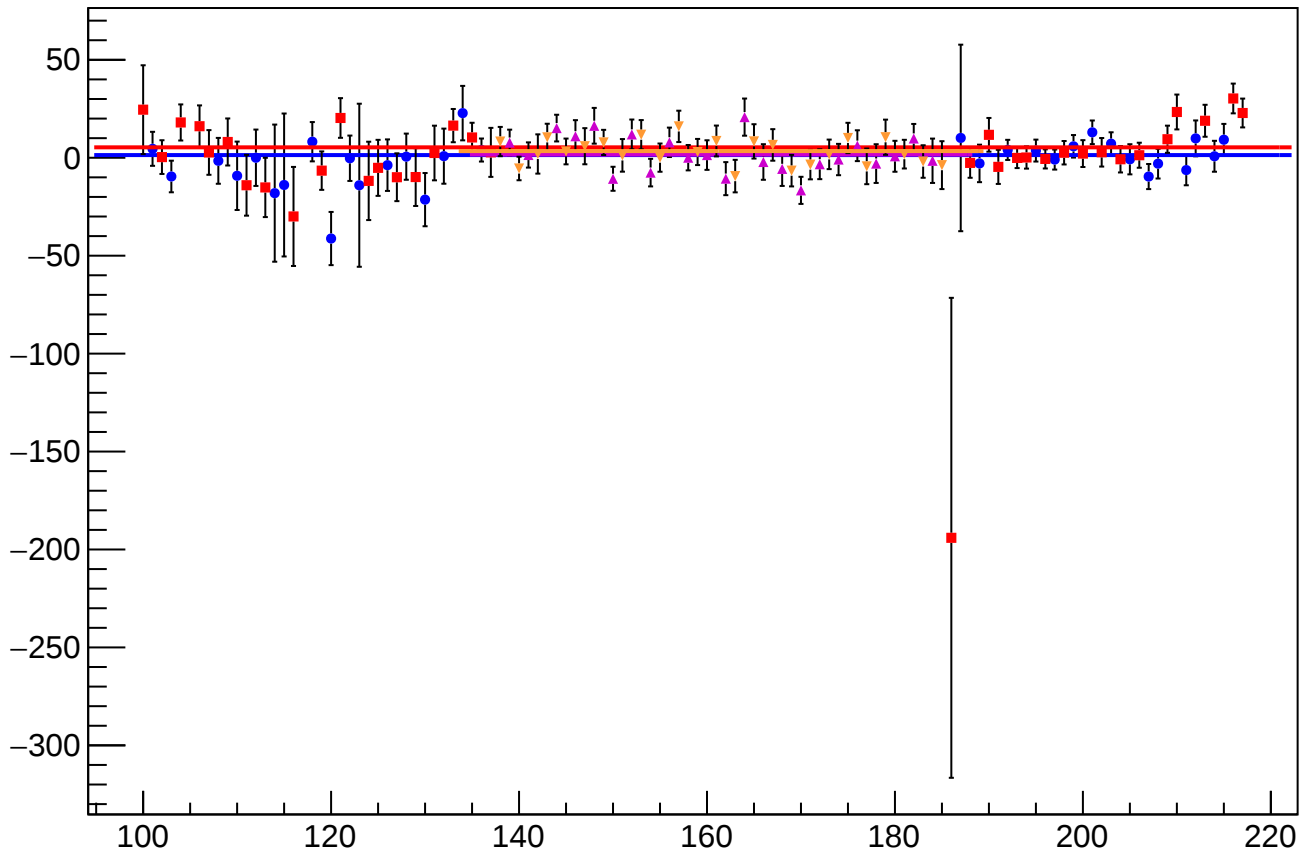
Left In: 8690.209 $\pm$ 1.479 χ^2 /NDF: 370834.1/22

+ sign 10060.162 $\pm$ 1.276 χ^2 /NDF: 9052785.2/56

All: 10200.652 $\pm$ 0.915 χ^2 /NDF: 19141149.7

- sign 10349.310 $\pm$ 1.313 χ^2 /NDF: 10063416.4/58

diff_bpm4eY_mean vs Slug



Right In: 1.367 ± 1.488 χ^2/NDF : 31.2/31

Left Out: 3.406 ± 1.550 χ^2/NDF : 16.8/24

Right Out: 5.319 ± 1.420 χ^2/NDF : 53.7/35

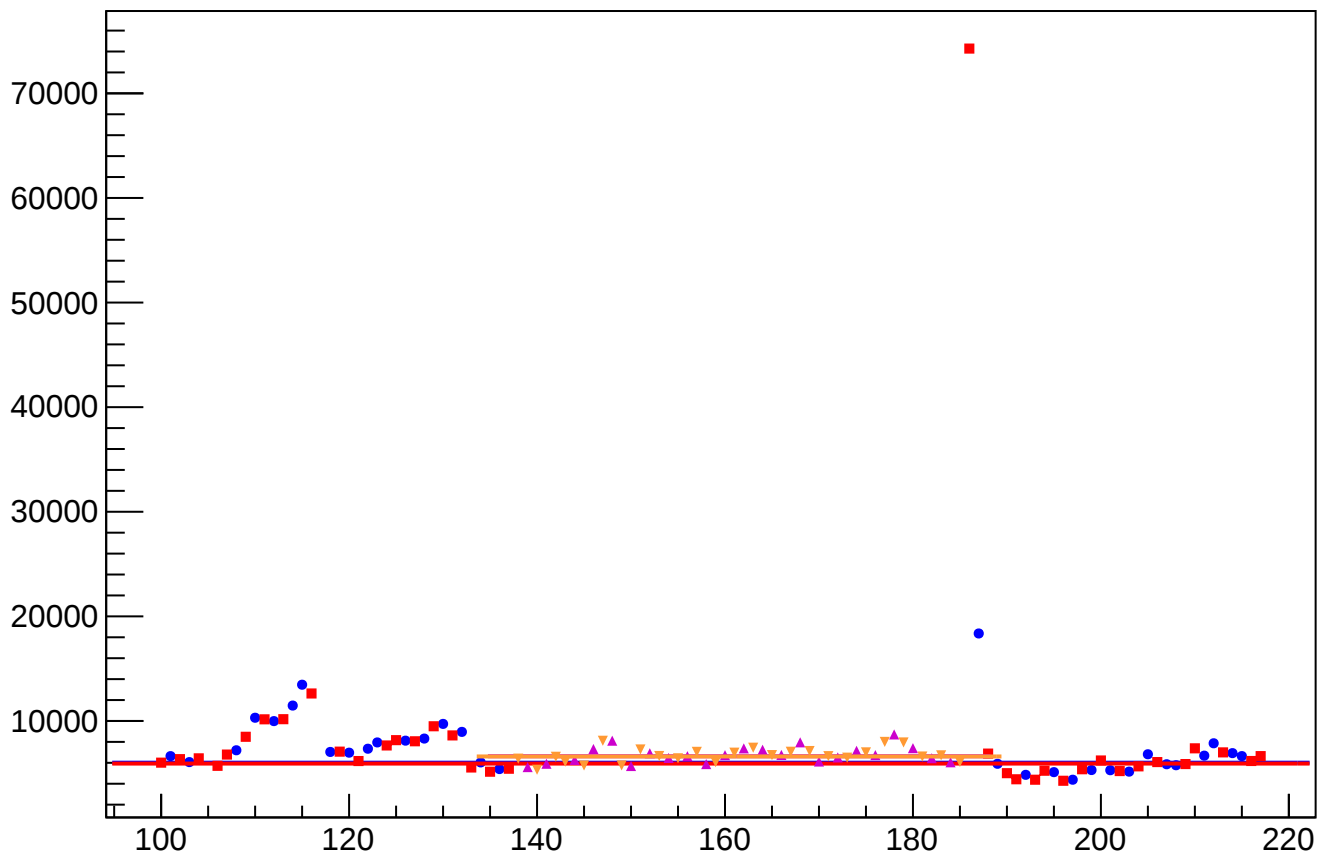
Left In: 1.627 ± 1.599 χ^2/NDF : 33.5/22

+ sign 2.344 ± 1.074 χ^2/NDF : 48.9/56

All: 3.025 ± 0.755 χ^2/NDF : 139.8/115

- sign 3.691 ± 1.062 χ^2/NDF : 90.1/58

diff_bpm4eY_rms vs Slug



Right In: 6012.397+/-1.052 χ^2/NDF : 1639235.8/31

Left Out: 6607.100+/-1.096 χ^2/NDF : 398416.1/24

Right Out: 5927.421+/-1.004 χ^2/NDF : 2254509.3/35

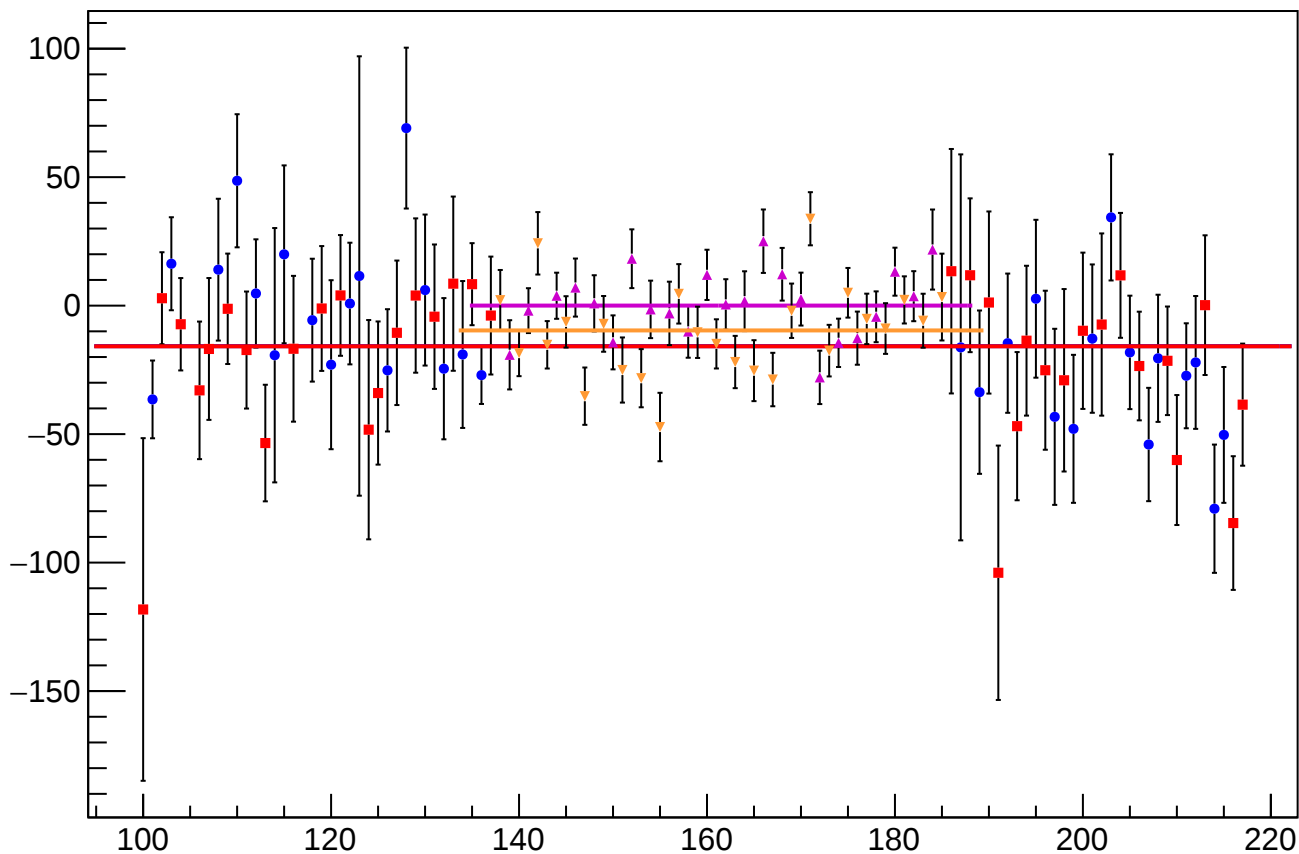
Left In: 6628.653+/-1.131 χ^2/NDF : 430282.2/22

+ sign 6297.506+/-0.759 χ^2/NDF : 2190834.8/56

All: 6266.738+/-0.534 χ^2/NDF : 5093879.6/11

- sign 6236.634+/-0.751 χ^2/NDF : 2899794.5/58

diff_bpm4acX_mean vs Slug



Right In: -15.771 ± 4.307 $\chi^2/\text{NDF}: 42.7/31$

Left Out: -9.649 ± 2.118 $\chi^2/\text{NDF}: 59.8/24$

Right Out: -15.831 ± 4.331 $\chi^2/\text{NDF}: 32.0/35$

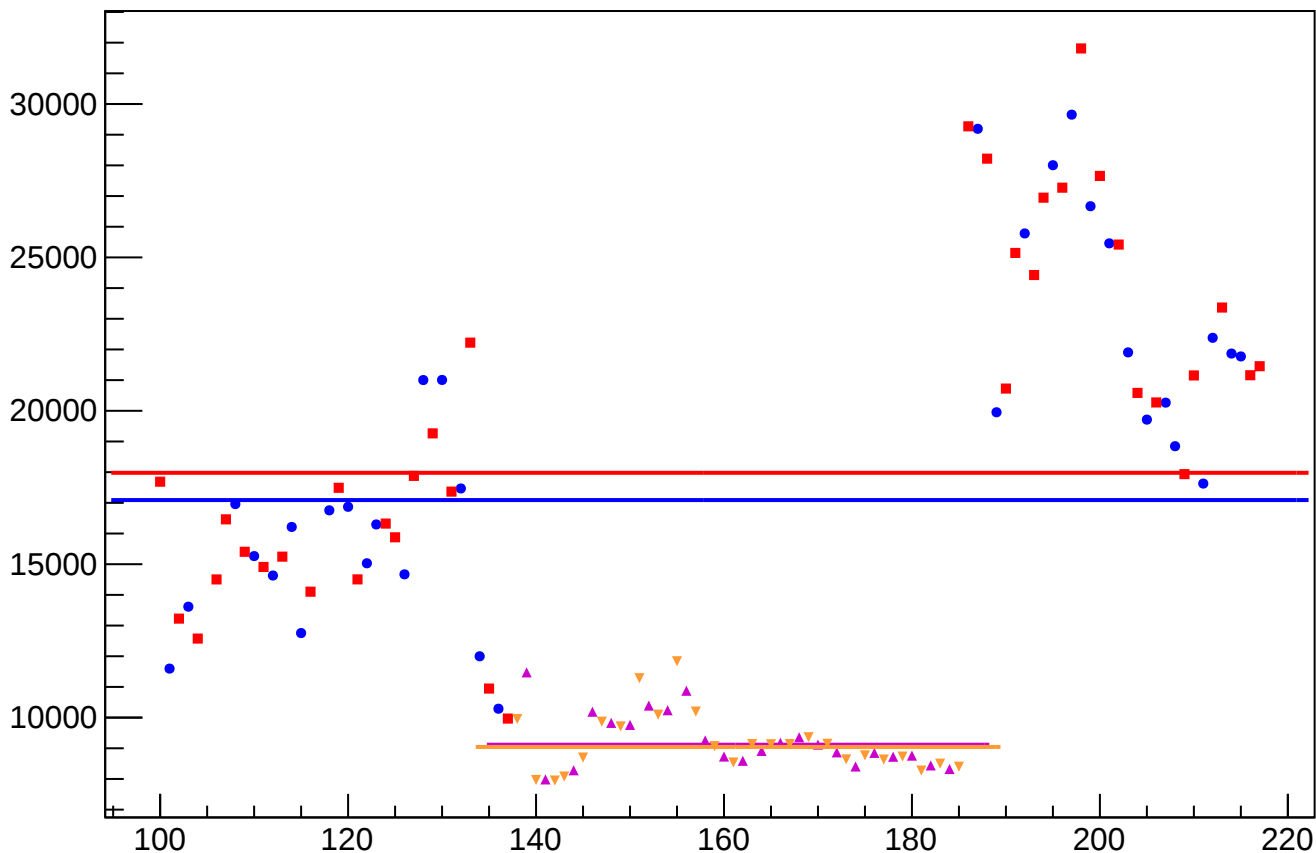
Left In: 0.019 ± 2.192 $\chi^2/\text{NDF}: 30.6/22$

+ sign -10.841 ± 1.901 $\chi^2/\text{NDF}: 104.1/56$

All: -7.136 ± 1.363 $\chi^2/\text{NDF}: 185.3/115$

- sign -3.212 ± 1.956 $\chi^2/\text{NDF}: 73.3/58$

diff_bpm4acX_rms vs Slug



Right In: 17090.508 $\pm$ 3.045 χ^2 /NDF: 2869999.2/31

+ sign 10611.038 $\pm$ 1.344 χ^2 /NDF: 8820847.4/56

Left Out: 9043.485 $\pm$ 1.498 χ^2 /NDF:328192.2/24

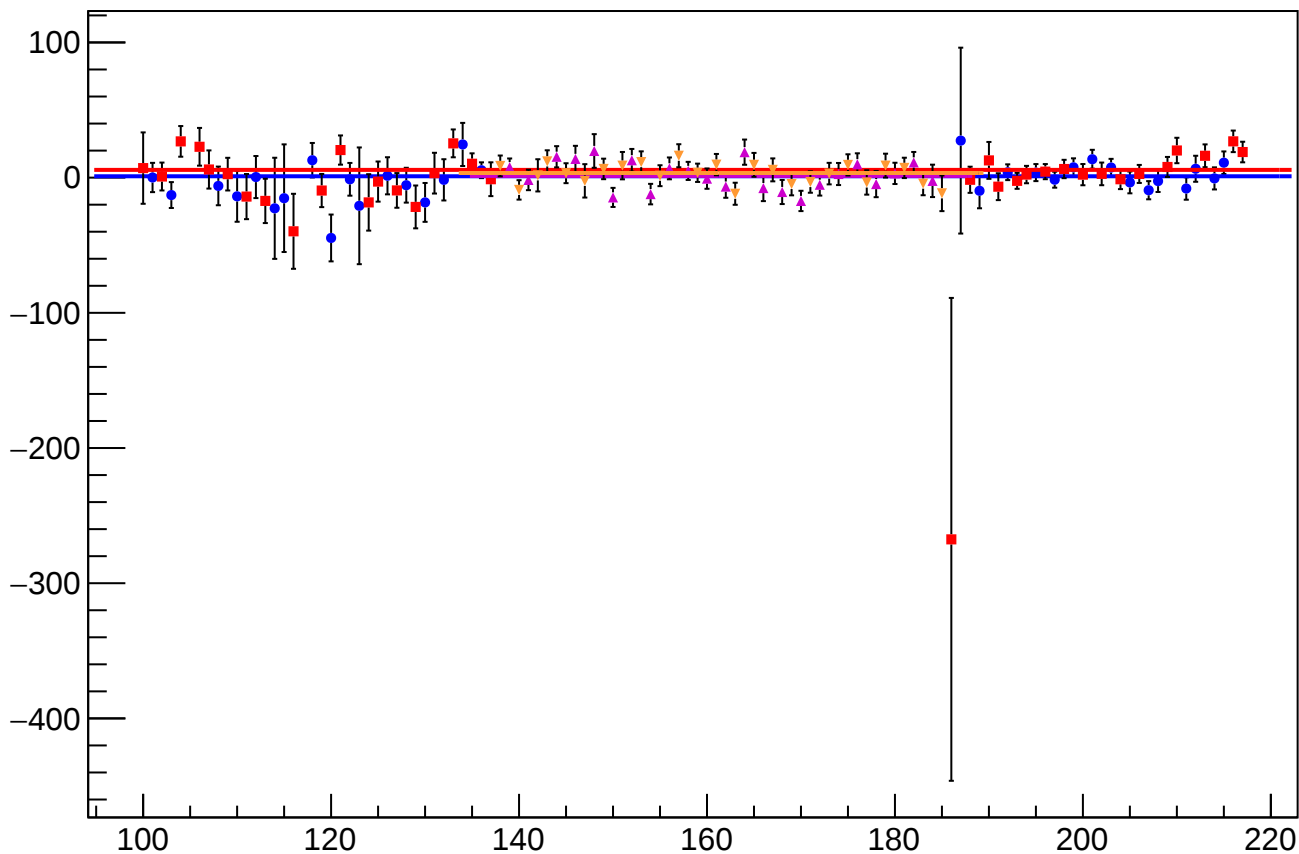
Right Out: 17979.636 $\pm$ 3.063 χ^2 /NDF: 2913529.5/35

All: 10763.025 $\pm$ 0.964 χ^2 /NDF: 18704542.1

- sign 10923.943 $\pm$ 1.383 χ^2 /NDF: 9857368.0/58

Left In: 9116.921 $\pm$ 1.550 χ^2 /NDF:277594.8/22

diff_bpm4acY_mean vs Slug



Right In: 1.011 ± 1.648 χ^2/NDF : 29.2/31

Left Out: 3.439 ± 1.666 χ^2/NDF : 18.9/24

Right Out: 5.738 ± 1.592 χ^2/NDF : 47.4/35

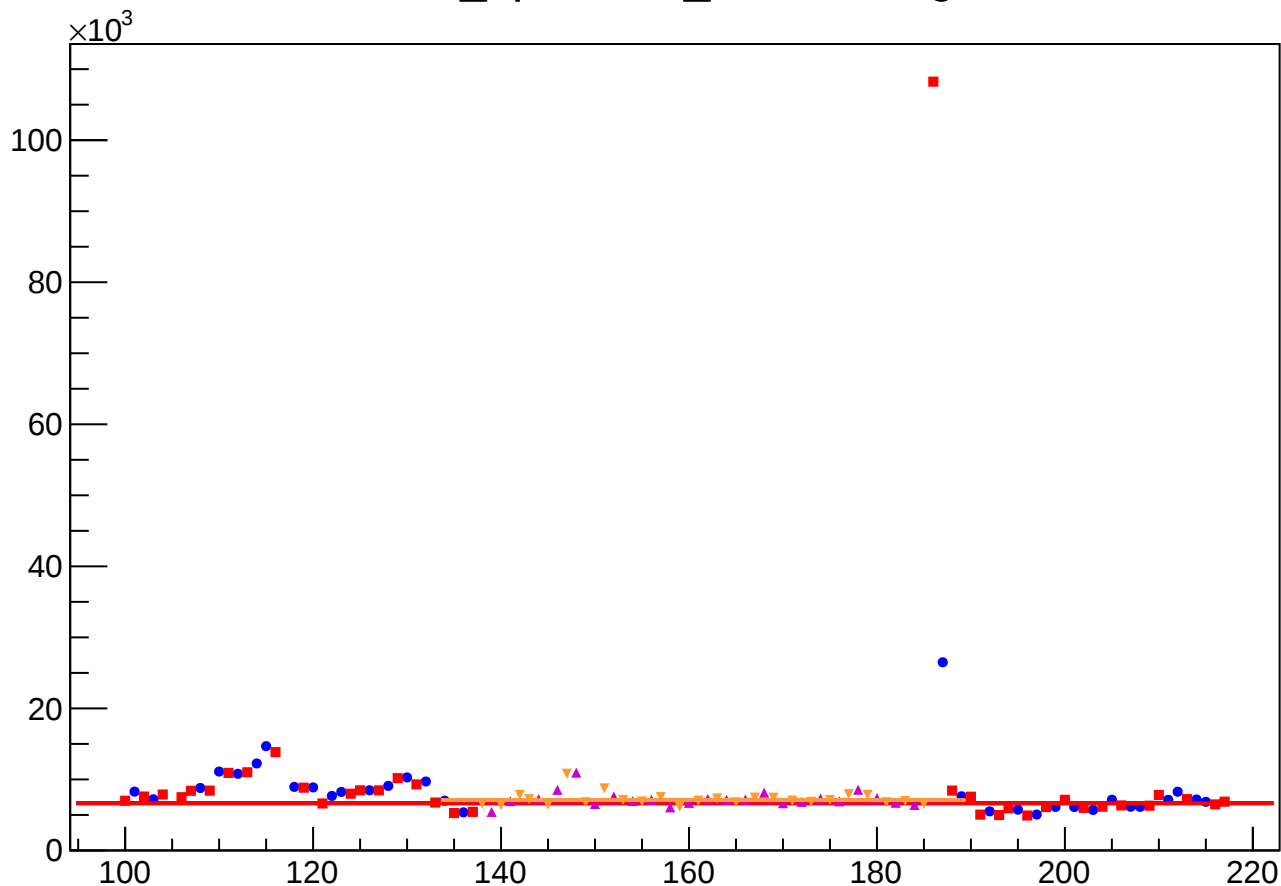
Left In: 1.291 ± 1.701 χ^2/NDF : 36.5/22

+ sign 2.212 ± 1.172 χ^2/NDF : 49.2/56

All: 2.942 ± 0.825 χ^2/NDF : 137.6/115

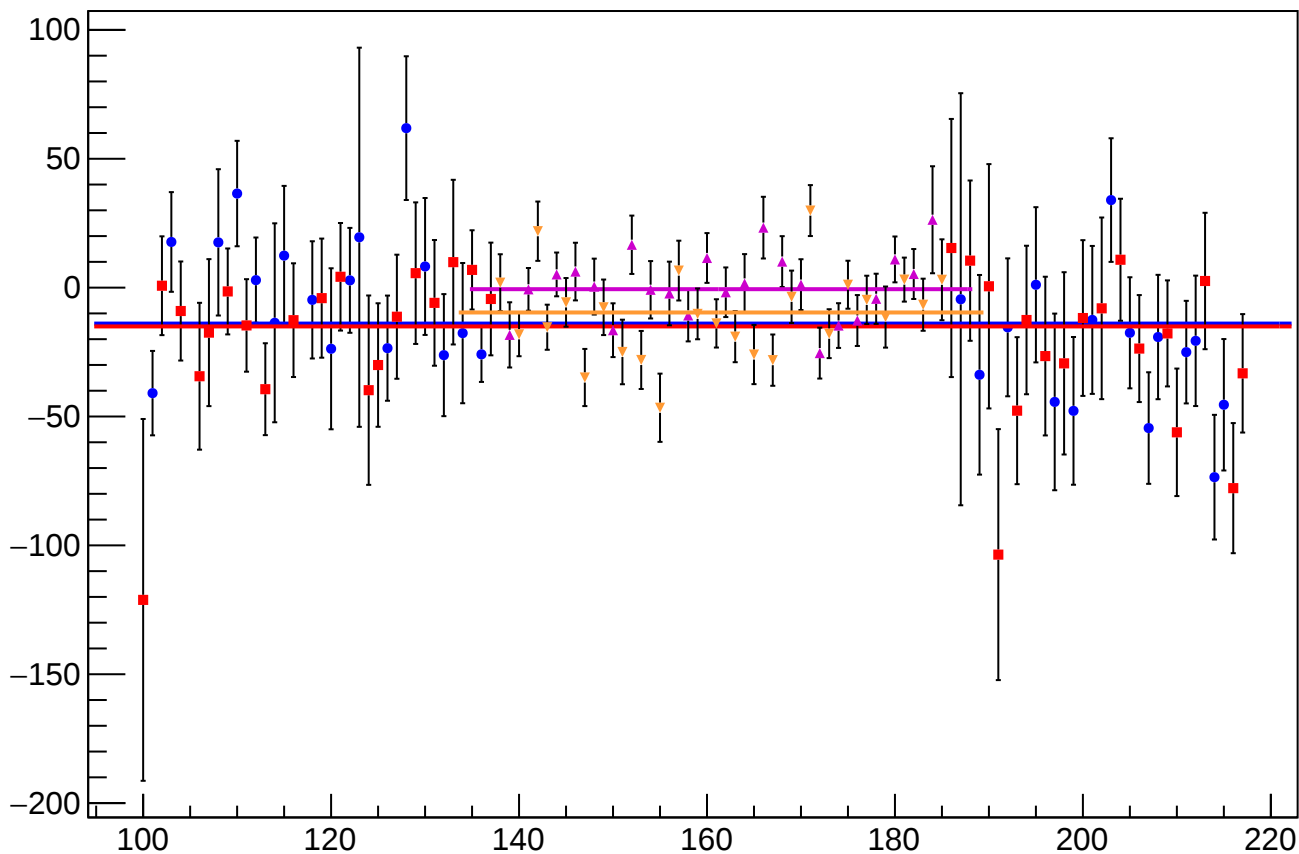
- sign 3.661 ± 1.162 χ^2/NDF : 87.6/58

diff_bpm4acY_rms vs Slug



Right In: 6658.094 $\pm$ 1.166	χ^2/NDF : 1613782.2/31	+ sign 6876.062 $\pm$ 0.829	χ^2/NDF : 2067023.1/56
Left Out: 7098.726 $\pm$ 1.178	χ^2/NDF : 382550.4/24	All: 6848.620 $\pm$ 0.584	χ^2/NDF : 4825494.4/11
Right Out: 6635.702 $\pm$ 1.126	χ^2/NDF : 2156903.9/35	- sign 6821.613 $\pm$ 0.822	χ^2/NDF : 2756294.9/58
Left In: 7033.702 $\pm$ 1.203	χ^2/NDF : 541035.5/22		

diff_bpm4ecX_mean vs Slug



Right In: -13.946 ± 4.085 $\chi^2/\text{NDF}: 44.0/31$

Left Out: -9.640 ± 2.057 $\chi^2/\text{NDF}: 57.6/24$

Right Out: -15.052 ± 4.077 $\chi^2/\text{NDF}: 29.1/35$

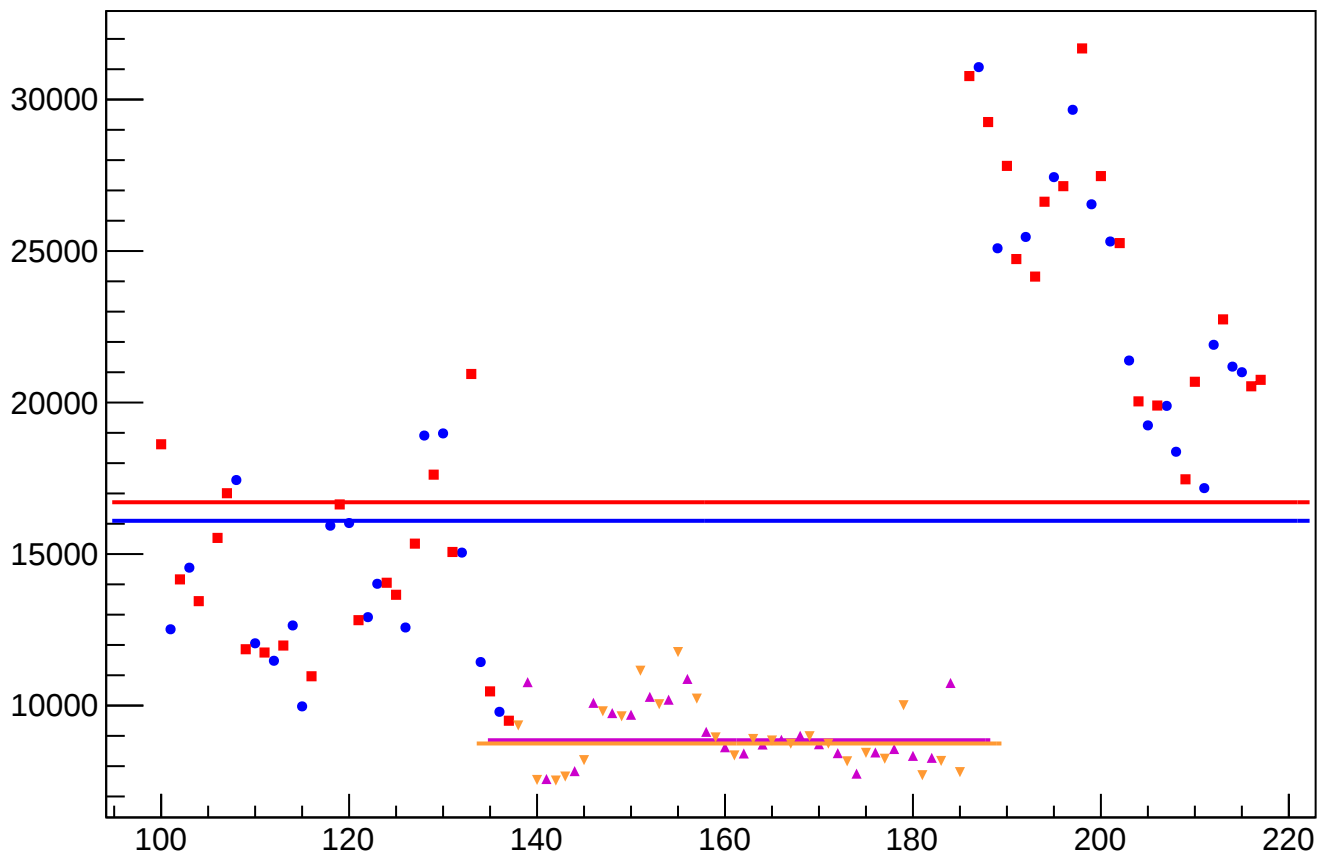
Left In: -0.599 ± 2.135 $\chi^2/\text{NDF}: 29.7/22$

+ sign -10.512 ± 1.837 $\chi^2/\text{NDF}: 102.5/56$

All: -7.209 ± 1.318 $\chi^2/\text{NDF}: 177.8/115$

- sign -3.710 ± 1.891 $\chi^2/\text{NDF}: 68.6/58$

diff_bpm4ecX_rms vs Slug



Right In: 16097.123+/-2.888 χ^2/NDF : 3360469.1/31

Left Out: 8748.407+/-1.455 χ^2/NDF : 463394.1/24

Right Out: 16709.590+/-2.883 χ^2/NDF : 3742163.4/35

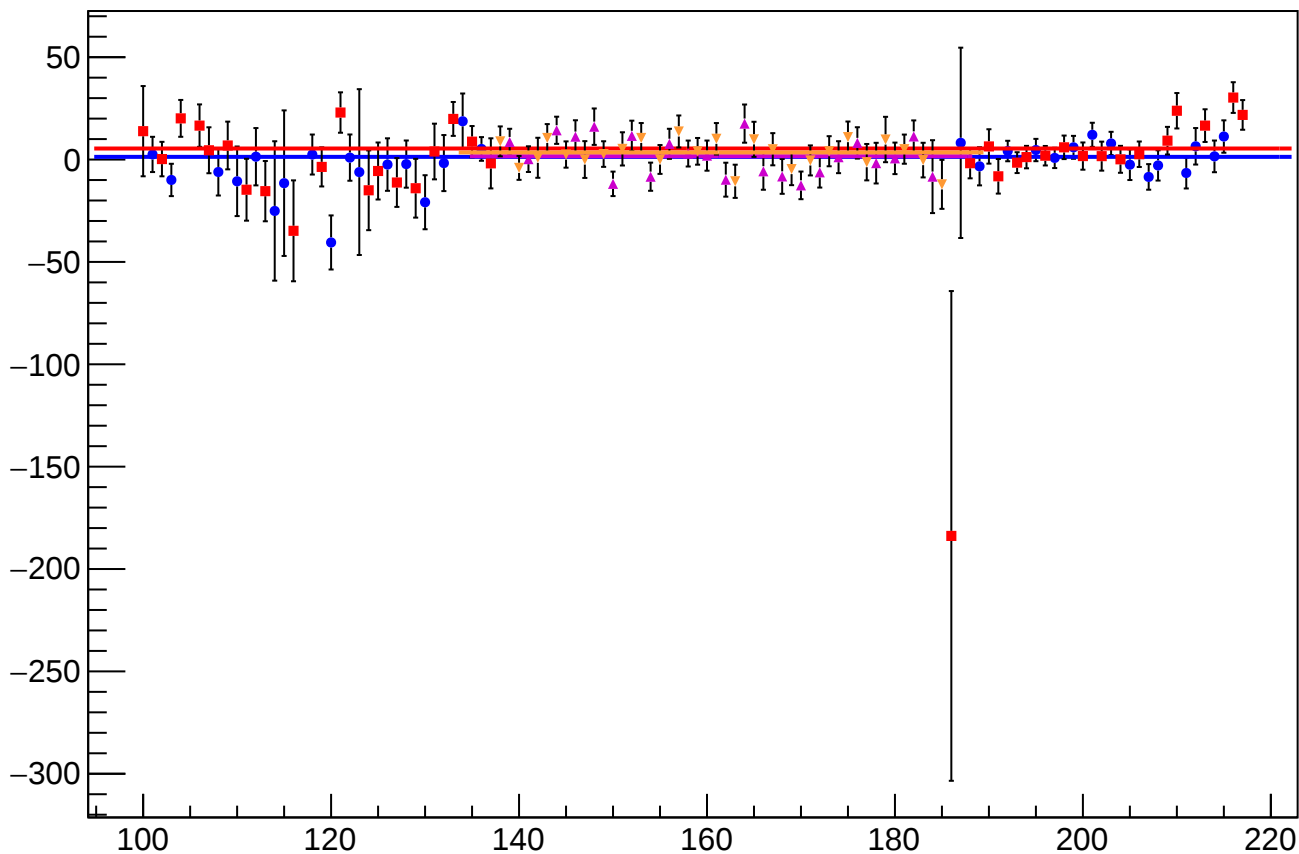
Left In: 8855.591+/-1.510 χ^2/NDF : 367542.7/22

+ sign 10235.356+/-1.299 χ^2/NDF : 8987530.1/56

All: 10386.203+/-0.932 χ^2/NDF : 18950262.9

- sign 10546.045+/-1.337 χ^2/NDF : 9934967.9/58

diff_bpm4ecY_mean vs Slug



Right In: 1.314 $\pm$ 1.452 χ^2 /NDF: 31.3/31

Left Out: 3.473 $\pm$ 1.524 χ^2 /NDF:15.8/24

Right Out: 5.395 $\pm$ 1.386 χ^2 /NDF: 57.4/35

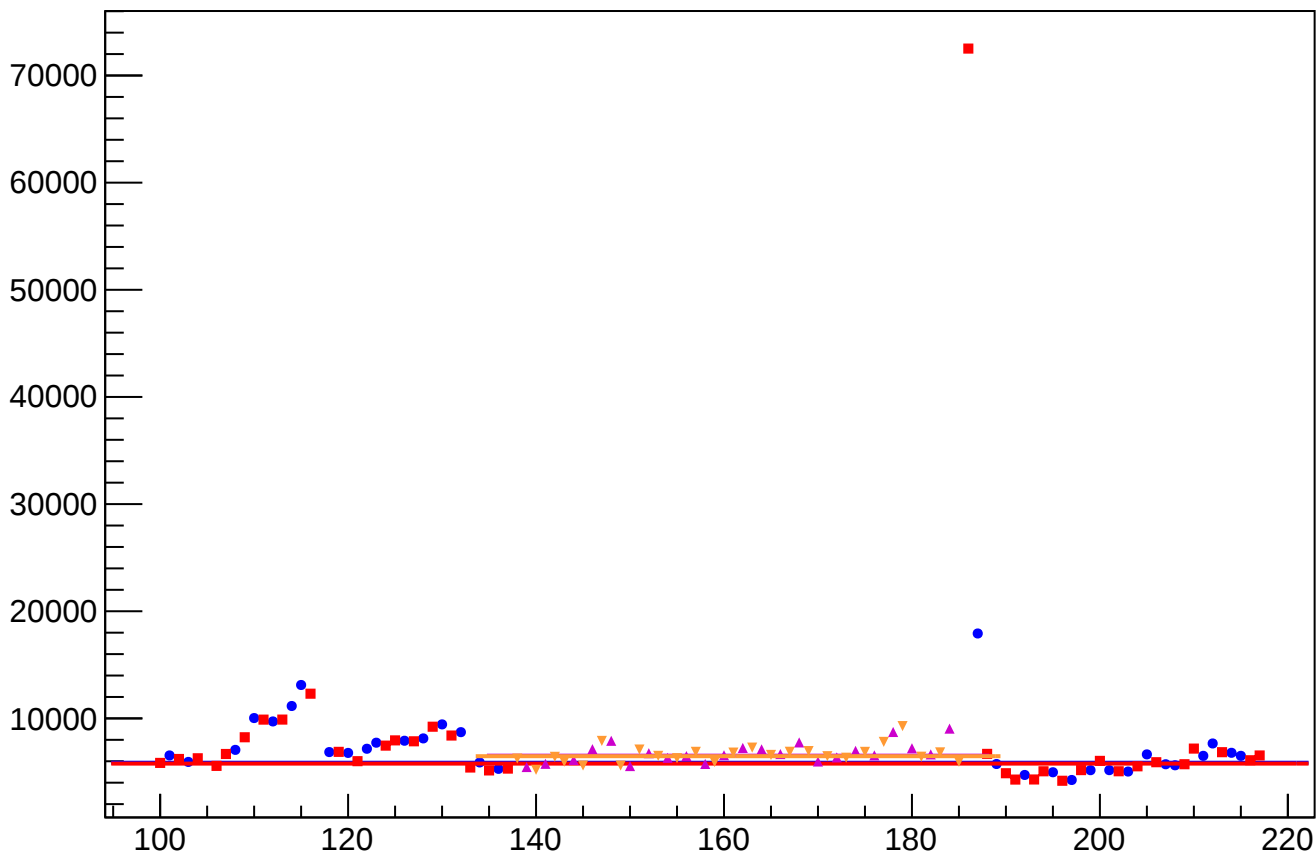
Left In: 1.638 $\pm$ 1.578 χ^2 /NDF:33.7/22

+ sign 2.341 $\pm$ 1.051 χ^2 /NDF: 48.1/56

All: 3.057 $\pm$ 0.740 χ^2 /NDF: 143.4/115

- sign 3.760 $\pm$ 1.041 χ^2 /NDF: 94.3/58

diff_bpm4ecY_rms vs Slug



Right In: 5863.292+/-1.026 χ^2/NDF : 1648108.5/31

Left Out: 6471.976+/-1.078 χ^2/NDF : 490282.9/24

Right Out: 5781.127+/-0.980 χ^2/NDF : 2250808.4/35

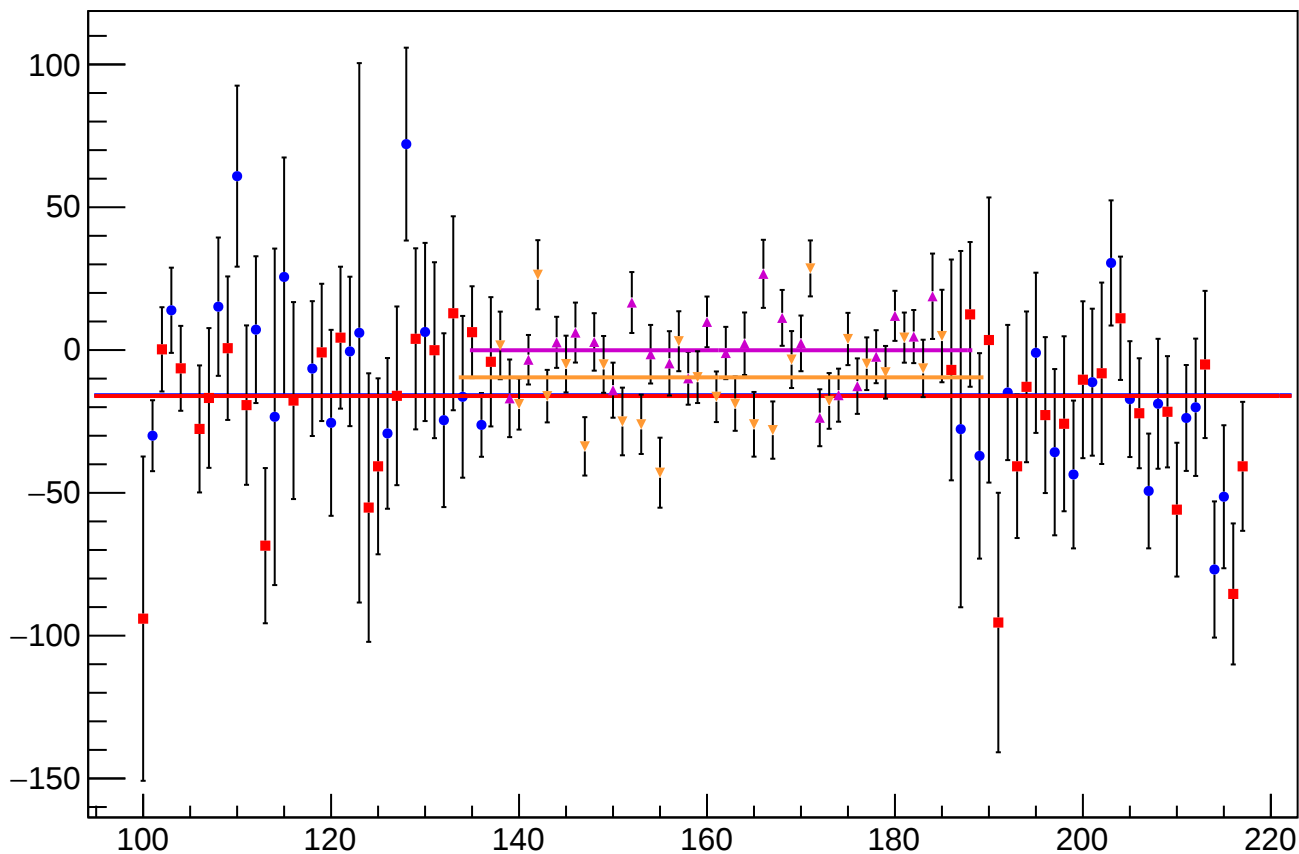
Left In: 6521.975+/-1.116 χ^2/NDF : 480034.7/22

+ sign 6152.766+/-0.743 χ^2/NDF : 2305638.1/56

All: 6127.997+/-0.523 χ^2/NDF : 5287610.9/11

- sign 6103.697+/-0.736 χ^2/NDF : 2979772.9/58

diff_bpm1X_mean vs Slug



Right In: -15.823 ± 4.108 χ^2/NDF : 42.1/31

Left Out: -9.554 ± 2.012 χ^2/NDF : 59.5/24

Right Out: -16.095 ± 4.150 χ^2/NDF : 33.7/35

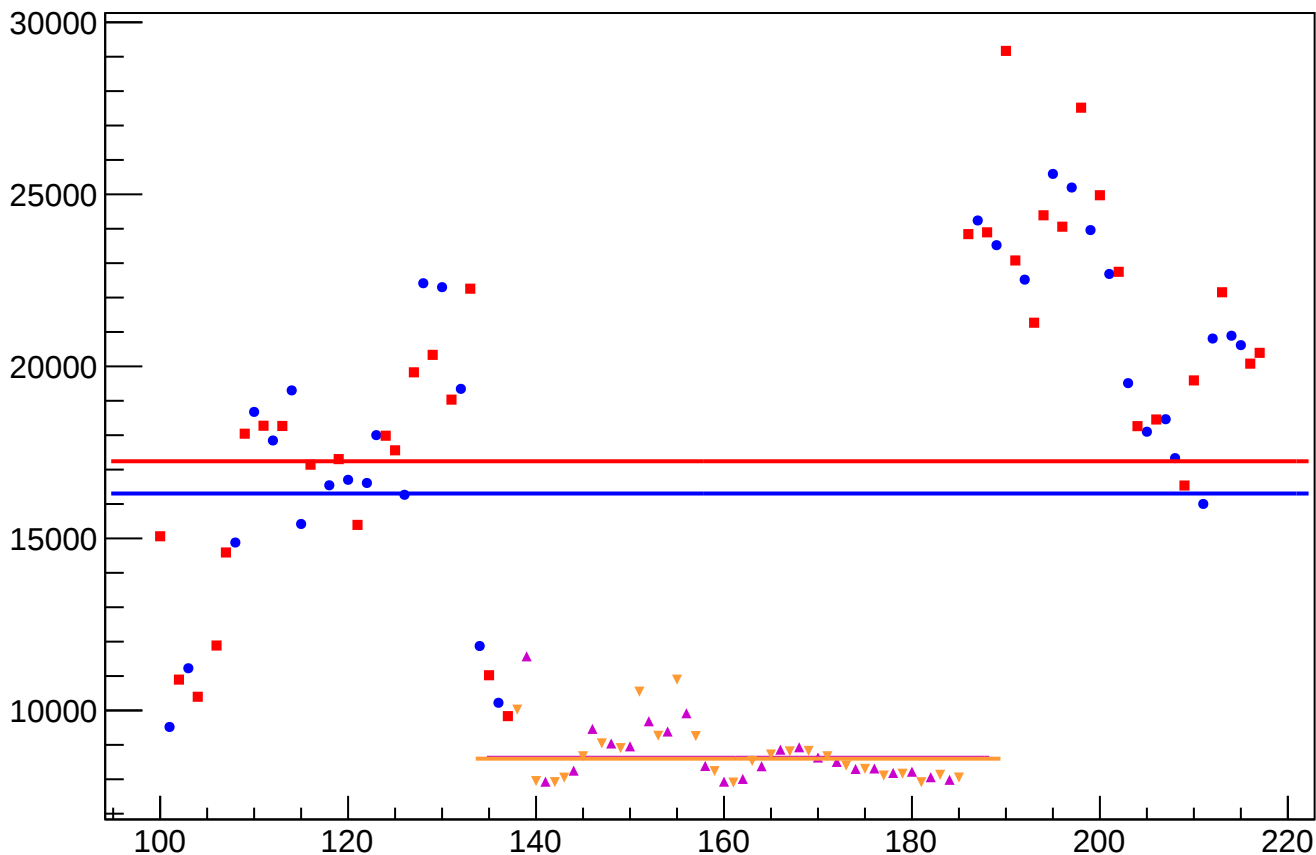
Left In: -0.072 ± 2.073 χ^2/NDF : 29.8/22

+ sign -10.767 ± 1.807 χ^2/NDF : 103.5/56

All: -7.116 ± 1.294 χ^2/NDF : 187.3/115

- sign -3.271 ± 1.854 χ^2/NDF : 75.4/58

diff_bpm1X_rms vs Slug



Right In: 16305.022 $\pm$ 2.905 χ^2 /NDF: 2908504.6/31

Left Out: 8598.983 $\pm$ 1.423 χ^2 /NDF:249070.5/24

Right Out: 17242.339 $\pm$ 2.934 χ^2 /NDF: 2835823.4/35

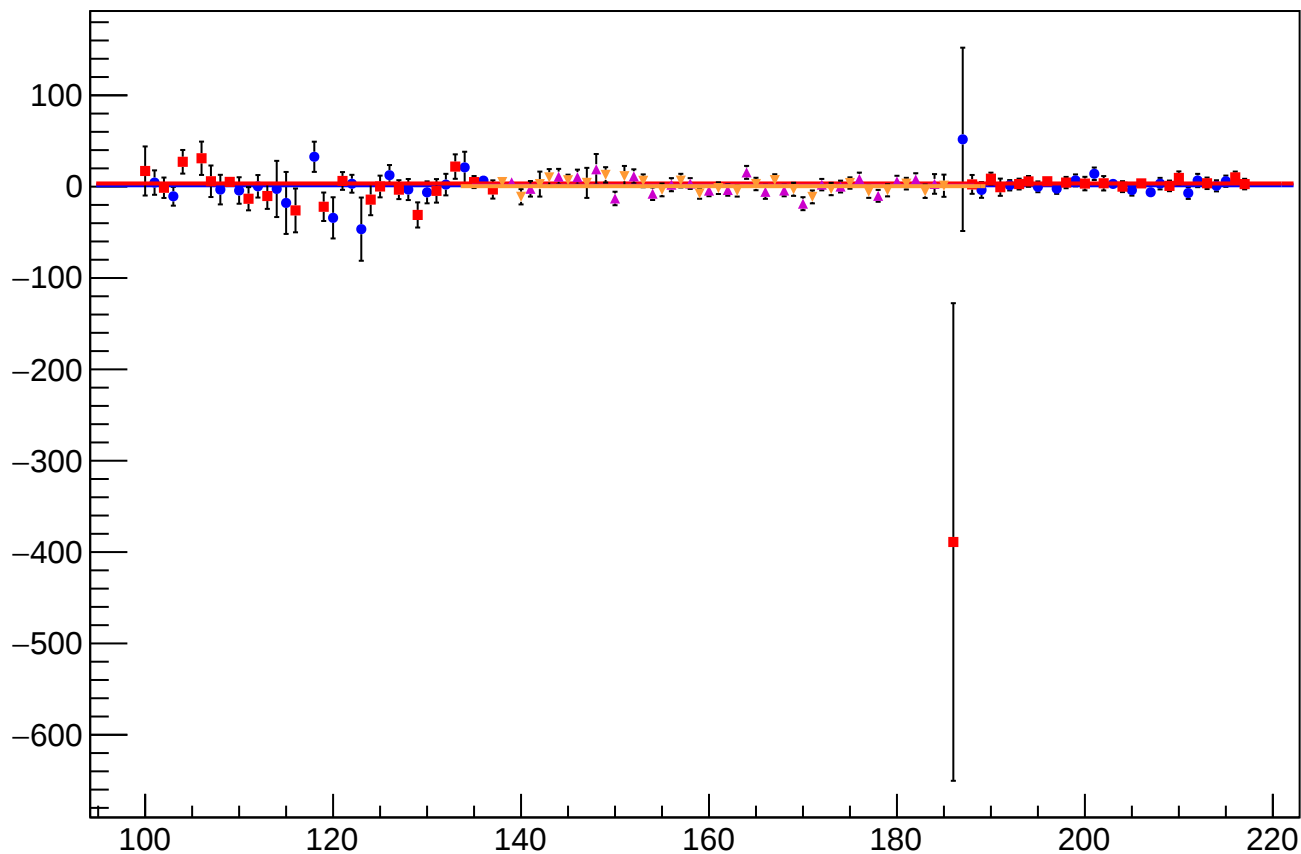
Left In: 8625.233 $\pm$ 1.466 χ^2 /NDF:237310.9/22

+ sign 10089.333 $\pm$ 1.278 χ^2 /NDF: 8832981.2/56

All: 10214.282 $\pm$ 0.915 χ^2 /NDF: 18828133.9

- sign 10345.888 $\pm$ 1.311 χ^2 /NDF: 9975513.1/58

diff_bpm1Y_mean vs Slug



Right In: 1.507 $\pm$ 1.417 χ^2 /NDF: 25.2/31

Left Out: 0.528 $\pm$ 1.418 χ^2 /NDF:19.5/24

Right Out: 3.500 $\pm$ 1.336 χ^2 /NDF: 29.7/35

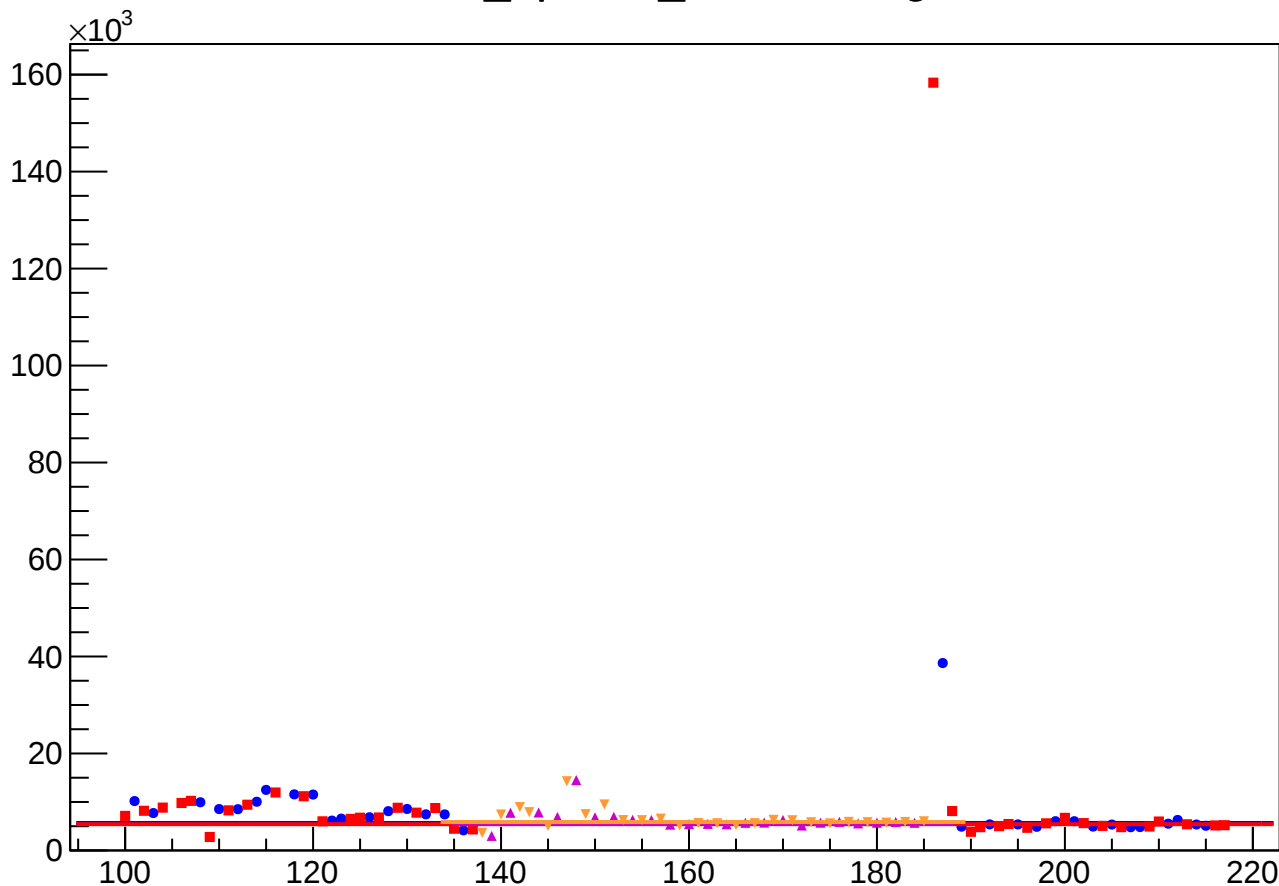
Left In: 1.050 $\pm$ 1.396 χ^2 /NDF:32.5/22

+ sign 1.018 $\pm$ 1.002 χ^2 /NDF: 44.9/56

All: 1.697 $\pm$ 0.695 χ^2 /NDF: 109.7/115

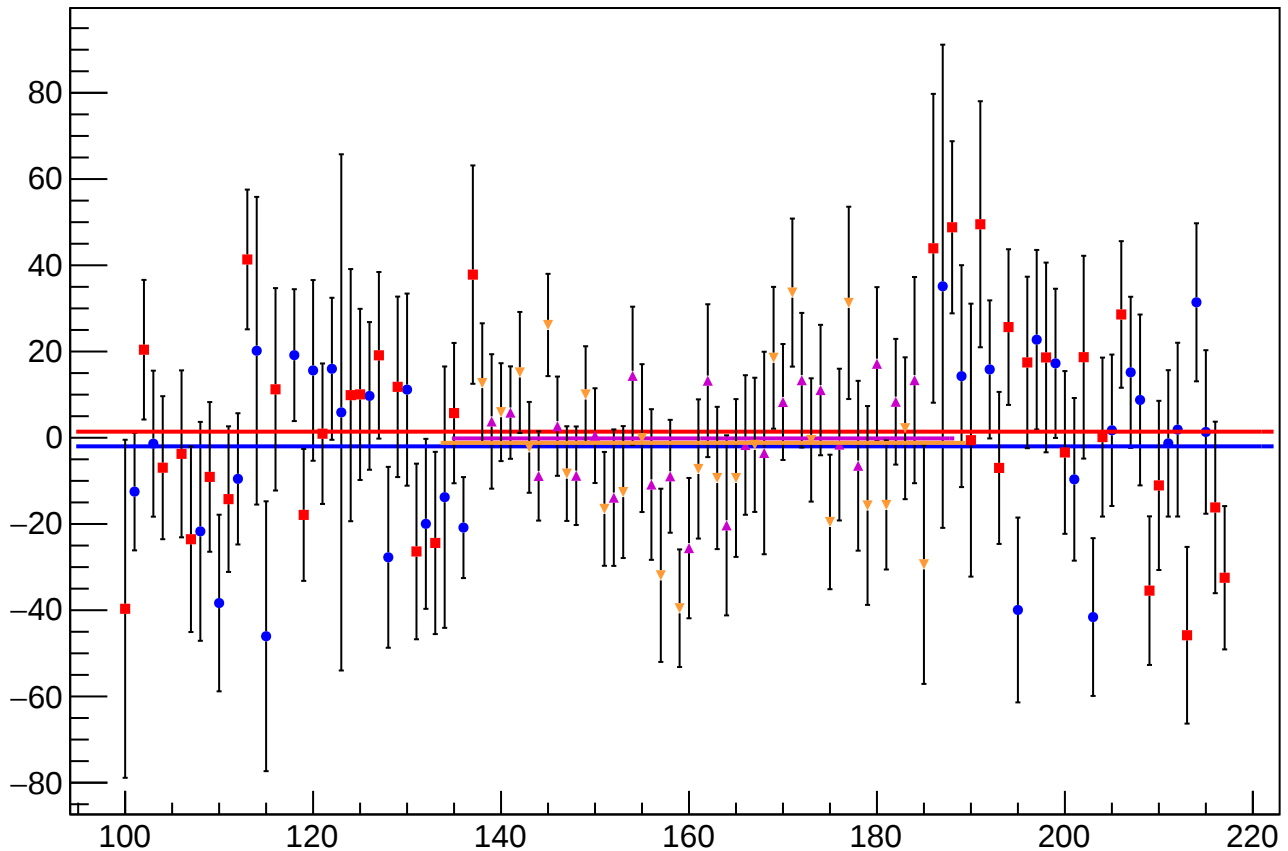
- sign 2.328 $\pm$ 0.965 χ^2 /NDF: 63.8/58

diff_bpm1Y_rms vs Slug



Right In: 5669.374 $\pm$ 1.002 χ^2 /NDF: 2135486.6/31 + sign 5764.941 $\pm$ 0.709 χ^2 /NDF: 3843741.9/56
 Left Out: 5860.605 $\pm$ 1.002 χ^2 /NDF: 1690049.2/24 All: 5623.388 $\pm$ 0.492 χ^2 /NDF: 9564682.6/11
 Right Out: 5419.399 $\pm$ 0.945 χ^2 /NDF: 3468869.3/35 - sign 5492.077 $\pm$ 0.683 χ^2 /NDF: 5644022.7/58
 Left In: 5571.330 $\pm$ 0.987 χ^2 /NDF: 2162788.3/22

diff_bpm11X_mean vs Slug



Right In: -1.994 ± 3.367 χ^2/NDF : 34.1/31

Left Out: -1.182 ± 2.939 χ^2/NDF : 33.7/24

Right Out: 1.412 ± 3.262 χ^2/NDF : 51.6/35

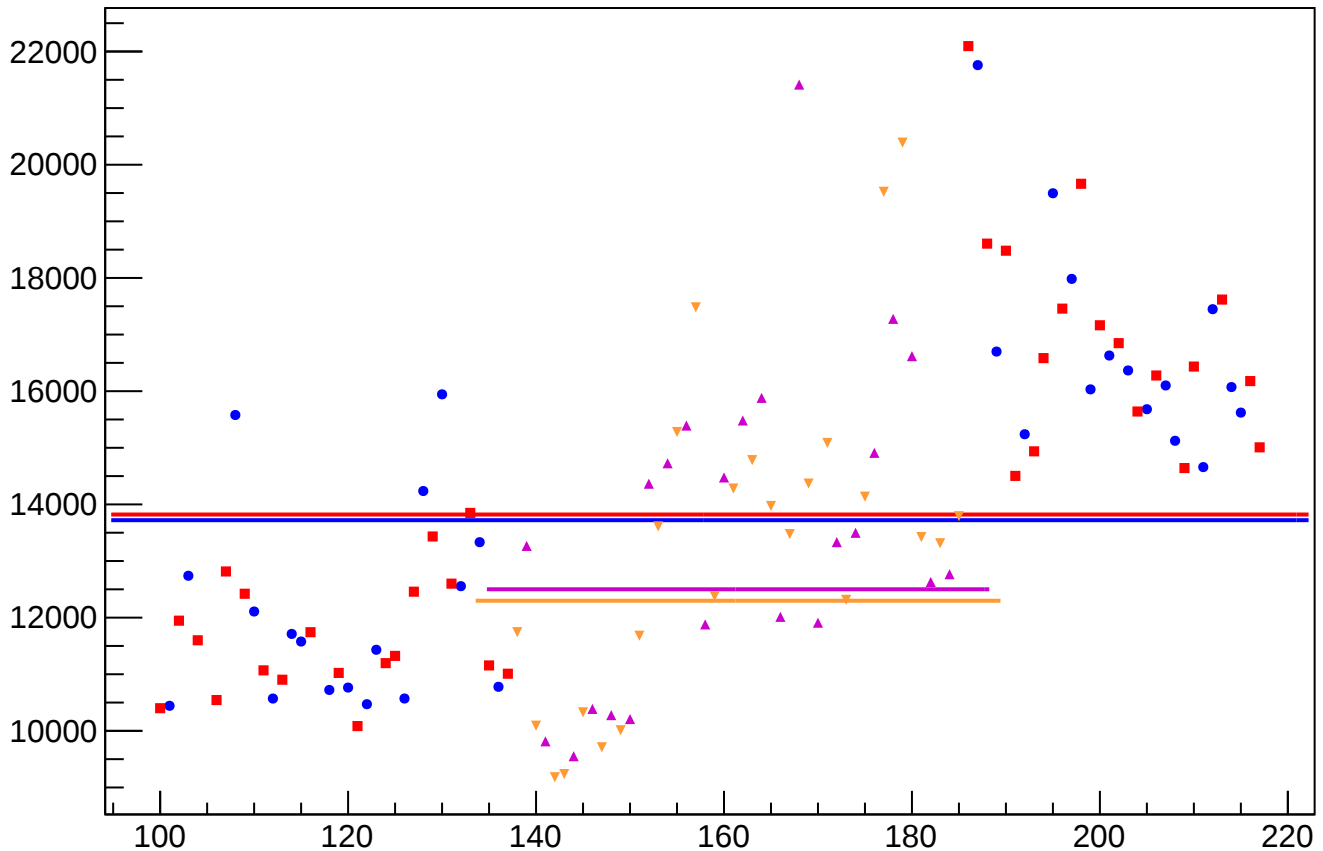
Left In: -0.157 ± 3.058 χ^2/NDF : 11.5/22

+ sign -1.533 ± 2.214 χ^2/NDF : 67.8/56

All: -0.486 ± 1.572 χ^2/NDF : 131.5/115

- sign 0.577 ± 2.231 χ^2/NDF : 63.3/58

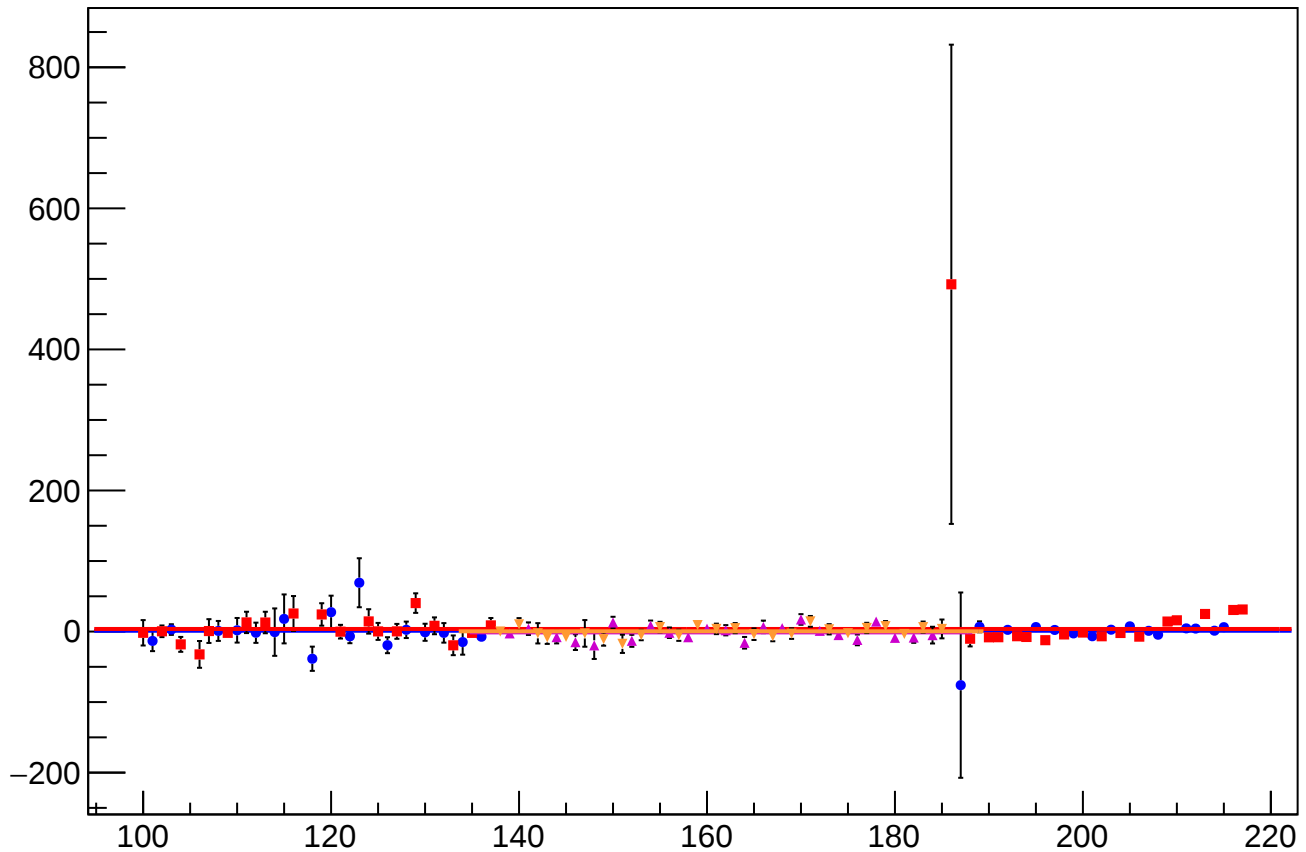
diff_bpm11X_rms vs Slug



Right In: 13721.387 $\pm$ 2.381 χ^2 /NDF: 1306426.6/31
 Left Out: 12298.676 $\pm$ 2.078 χ^2 /NDF: 1506026.8/24
 Right Out: 13821.283 $\pm$ 2.307 χ^2 /NDF: 1435325.2/35
 Left In: 12500.795 $\pm$ 2.162 χ^2 /NDF: 1357889.1/22

+ sign 12913.824 $\pm$ 1.566 χ^2 /NDF: 3015115.3/56
 All: 13015.366 $\pm$ 1.111 χ^2 /NDF: 5991241.3/1
 - sign 13118.459 $\pm$ 1.578 χ^2 /NDF: 2967649.0/58

diff_bpm11Y_mean vs Slug



Right In: 1.143 ± 1.160 χ^2/NDF : 30.5/31

Left Out: 0.353 ± 1.433 χ^2/NDF : 19.1/24

Right Out: 3.670 ± 1.134 χ^2/NDF : 158.8/35

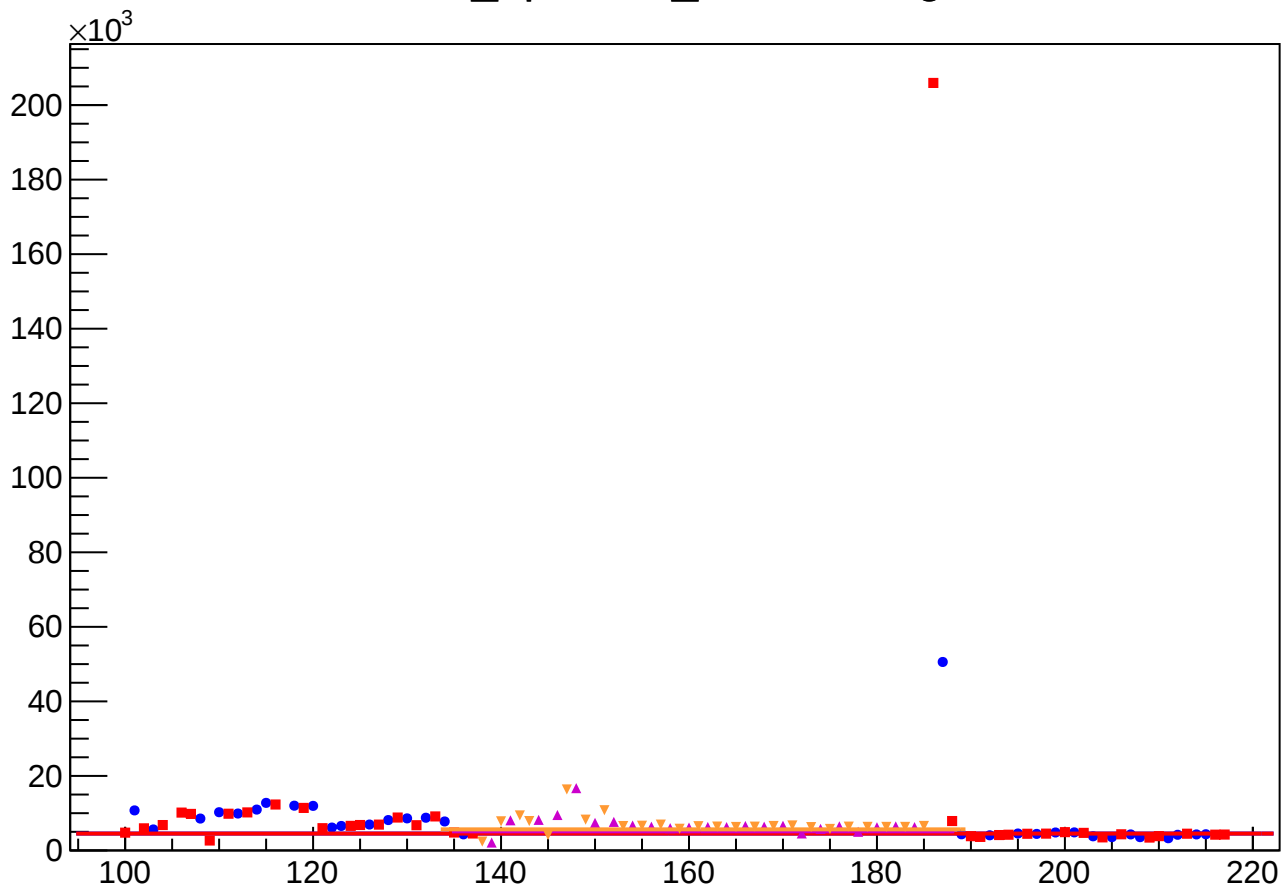
Left In: -1.165 ± 1.371 χ^2/NDF : 33.6/22

+ sign 0.830 ± 0.902 χ^2/NDF : 49.8/56

All: 1.282 ± 0.628 χ^2/NDF : 250.0/115

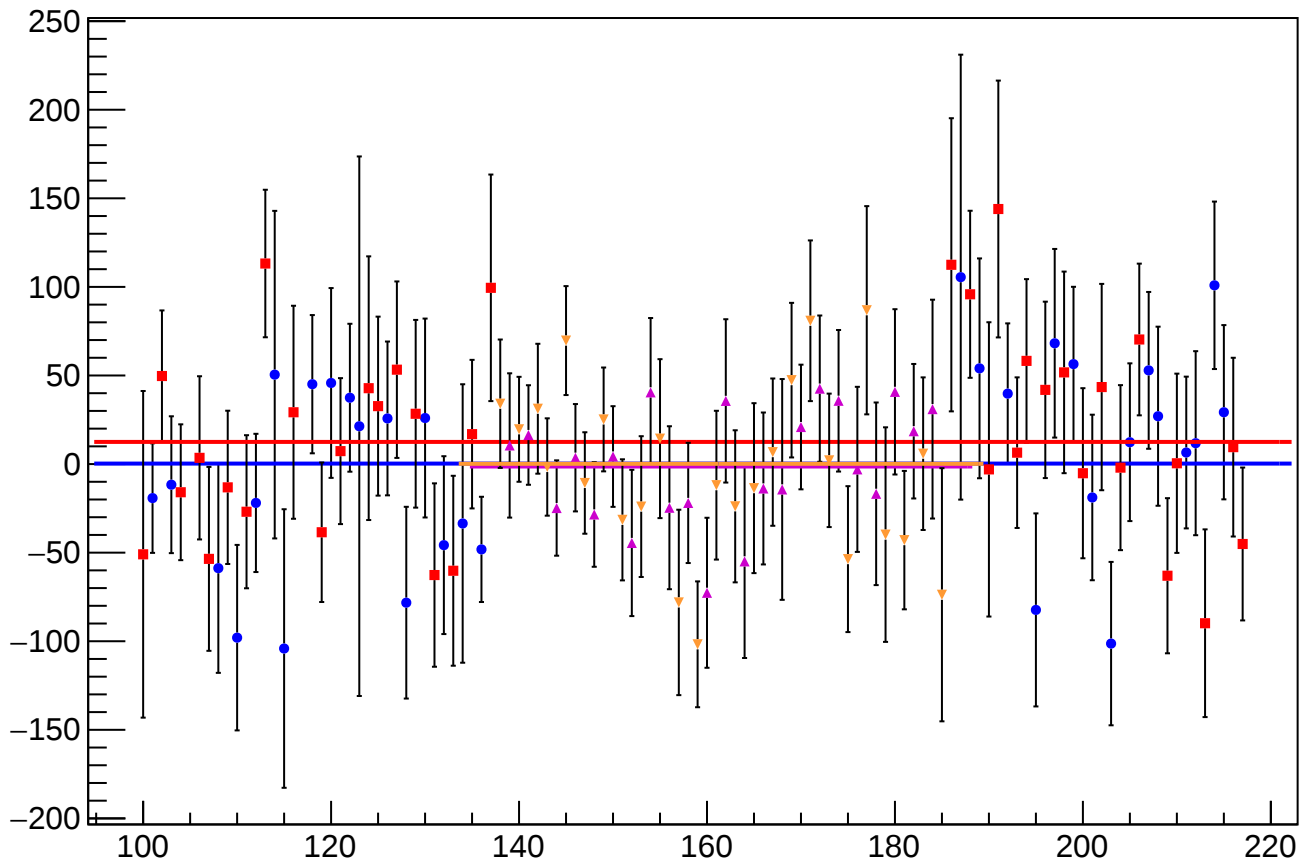
- sign 1.707 ± 0.874 χ^2/NDF : 199.8/58

diff_bpm11Y_rms vs Slug



Right In: 4537.205+/-0.820	χ^2/NDF : 3444396.9/31	+ sign 4981.479+/-0.638	χ^2/NDF : 8313583.1/56
Left Out: 5659.441+/-1.014	χ^2/NDF : 4128583.6/24	All: 4874.393+/-0.444	χ^2/NDF : 18073702.5/1
Right Out: 4525.089+/-0.802	χ^2/NDF : 3972735.3/35	- sign 4773.859+/-0.618	χ^2/NDF : 9705451.9/58
Left In: 5137.772+/-0.970	χ^2/NDF : 5495609.7/22		

diff_bpm12X_mean vs Slug



Right In: 0.274 ± 8.423 χ^2/NDF : 36.4/31

Left Out: 0.143 ± 7.683 χ^2/NDF : 31.3/24

Right Out: 12.506 ± 8.166 χ^2/NDF : 40.0/35

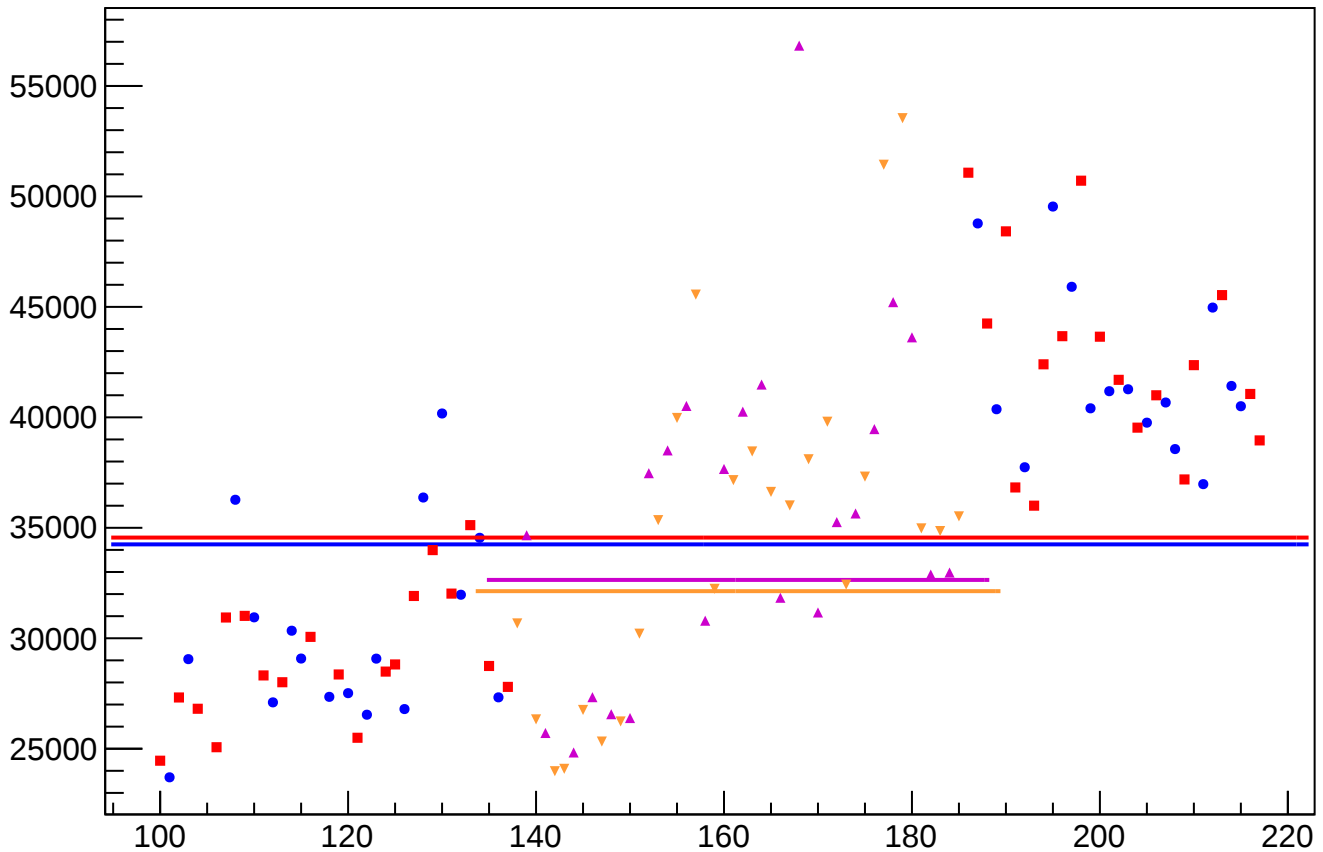
Left In: -1.374 ± 7.990 χ^2/NDF : 13.3/22

+ sign 0.202 ± 5.677 χ^2/NDF : 67.6/56

All: 2.793 ± 4.026 χ^2/NDF : 122.8/115

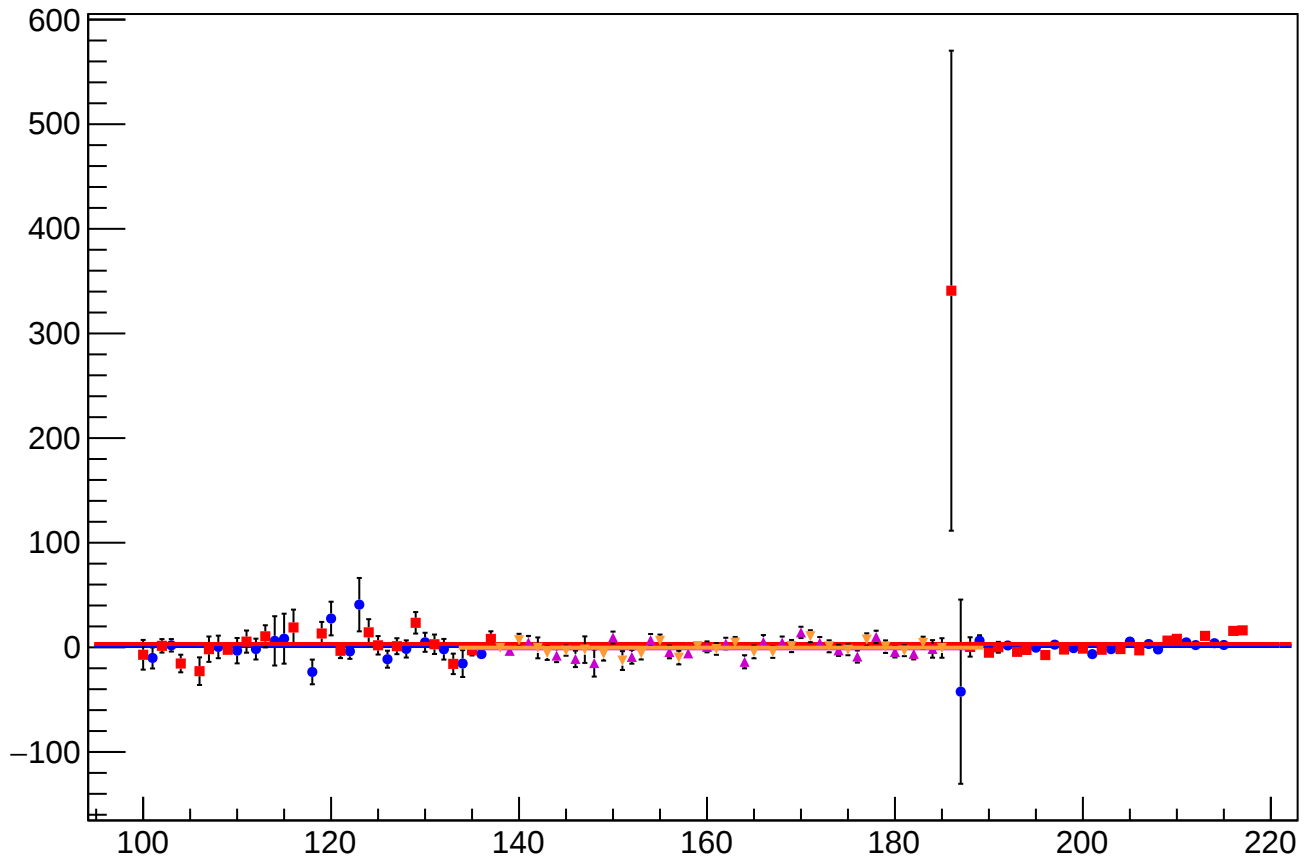
- sign 5.415 ± 5.711 χ^2/NDF : 54.8/58

diff_bpm12X_rms vs Slug



Right In: 34250.133+/-5.956	χ^2/NDF : 1424823.5/31	+ sign 33094.115+/-4.014	χ^2/NDF : 3033913.0/56
Left Out: 32132.314+/-5.433	χ^2/NDF : 1540079.4/24	All: 33334.880+/-2.847	χ^2/NDF : 6024197.0/56
Right Out: 34557.625+/-5.774	χ^2/NDF : 1524604.0/35	- sign 33578.578+/-4.038	χ^2/NDF : 2983044.4/58
Left In: 32641.162+/-5.650	χ^2/NDF : 1402162.4/22		

diff_bpm12Y_mean vs Slug



Right In: 1.267 ± 0.674 χ^2/NDF : 40.2/31

Left Out: -0.312 ± 1.172 χ^2/NDF : 17.6/24

Right Out: 3.204 ± 0.684 χ^2/NDF : 138.2/35

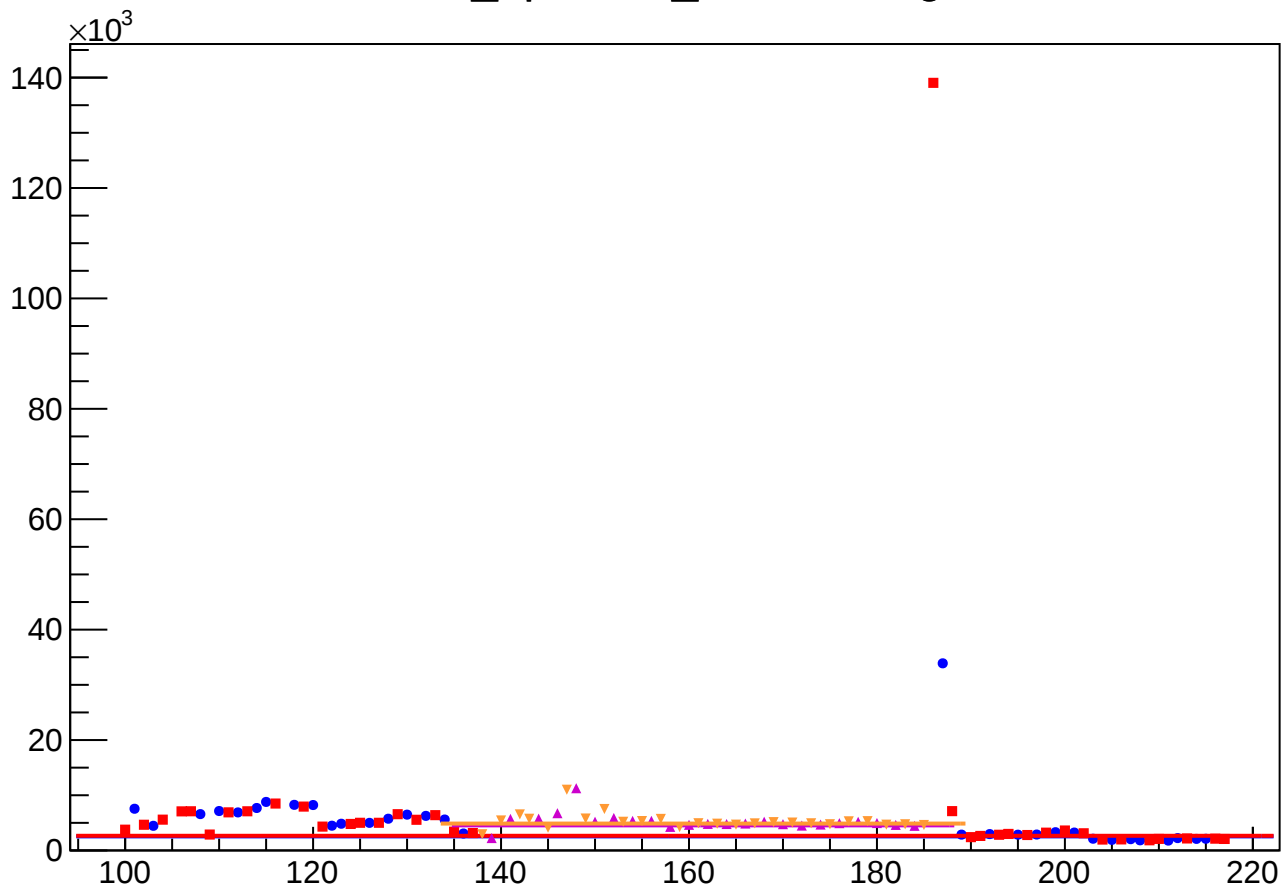
Left In: -0.908 ± 1.142 χ^2/NDF : 36.2/22

+ sign 0.874 ± 0.584 χ^2/NDF : 59.3/56

All: 1.493 ± 0.414 χ^2/NDF : 245.4/115

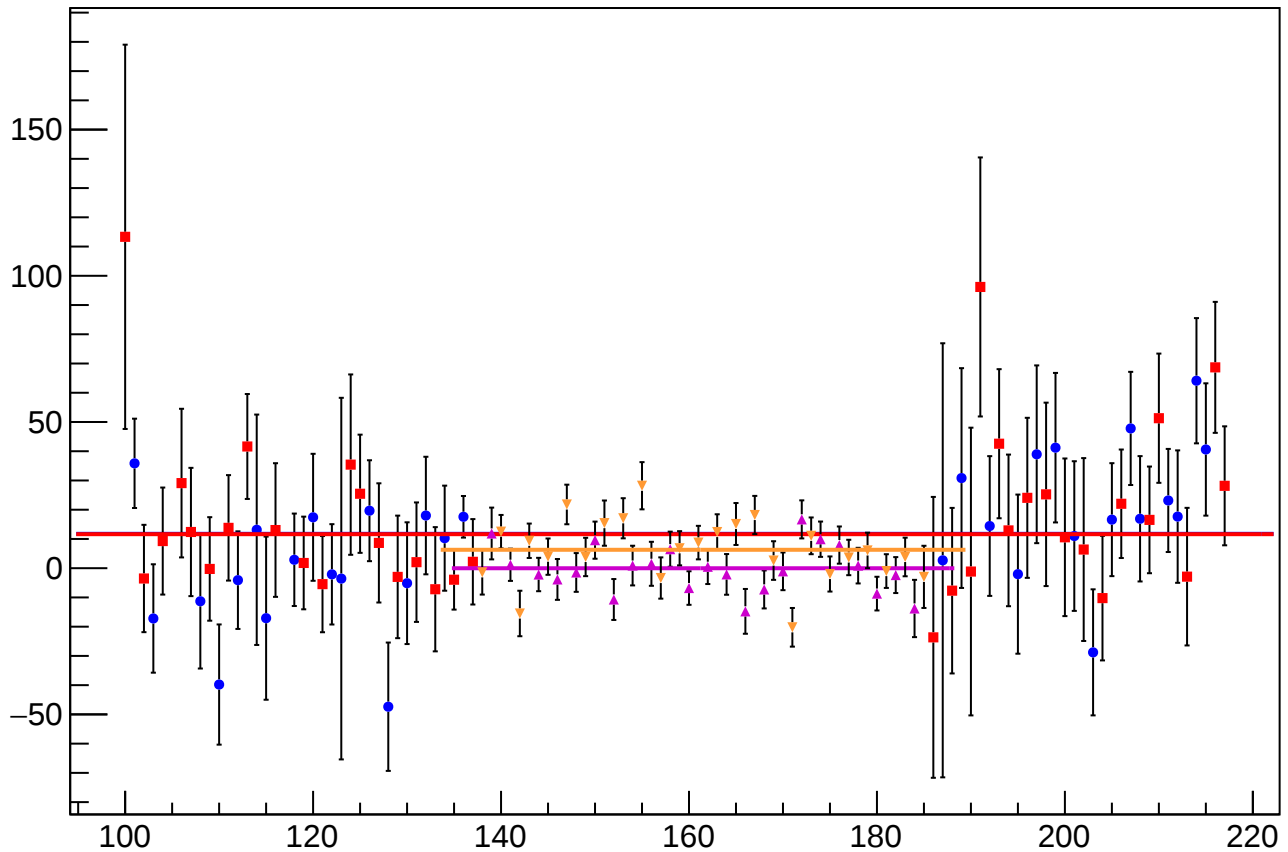
- sign 2.118 ± 0.587 χ^2/NDF : 183.9/58

diff_bpm12Y_rms vs Slug



Right In: 2548.121 $\pm$ 0.477 χ^2/NDF : 5504705.8/31 + sign 3125.404 $\pm$ 0.413 χ^2/NDF : 12908657.7/56
 Left Out: 4868.567 $\pm$ 0.829 χ^2/NDF : 1511151.0/24 All: 3140.619 $\pm$ 0.293 χ^2/NDF : 25632921.6/100
 Right Out: 2657.633 $\pm$ 0.484 χ^2/NDF : 6071498.1/35 - sign 3155.969 $\pm$ 0.415 χ^2/NDF : 12721540.7/58
 Left In: 4544.337 $\pm$ 0.808 χ^2/NDF : 2634314.4/22

diff_bpm16X_mean vs Slug



Right In: 11.751 ± 3.392 $\chi^2/\text{NDF}: 42.1/31$

Left Out: 6.296 ± 1.310 $\chi^2/\text{NDF}: 56.5/24$

Right Out: 11.630 ± 3.480 $\chi^2/\text{NDF}: 32.4/35$

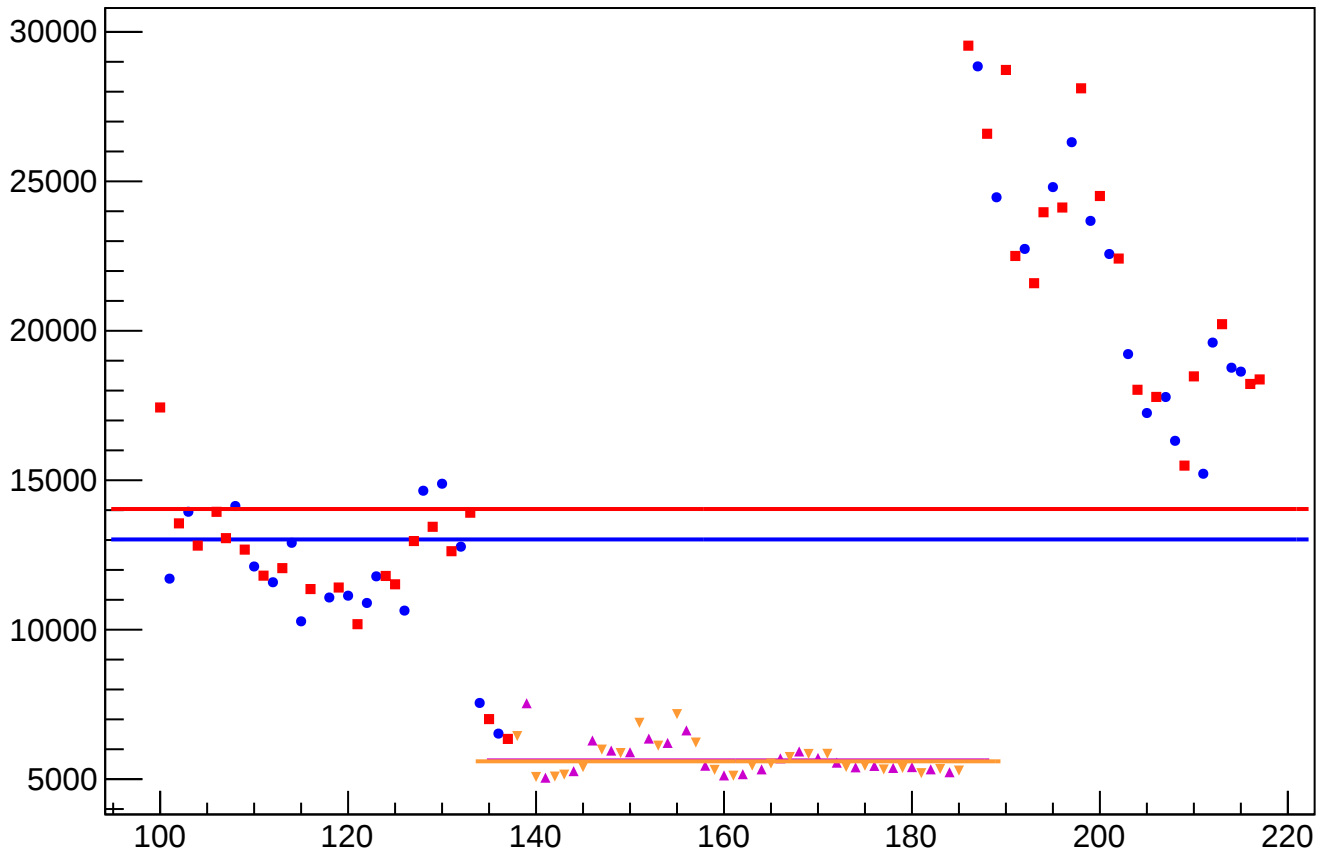
Left In: -0.020 ± 1.353 $\chi^2/\text{NDF}: 29.9/22$

+ sign 7.004 ± 1.222 $\chi^2/\text{NDF}: 100.8/56$

All: 4.343 ± 0.878 $\chi^2/\text{NDF}: 182.7/115$

- sign 1.510 ± 1.261 $\chi^2/\text{NDF}: 72.1/58$

diff_bpm16X_rms vs Slug



Right In: 13019.624+/-2.398 χ^2/NDF : 4946013.6/31

Left Out: 5596.370+/-0.926 χ^2/NDF : 283998.1/24

Right Out: 14037.607+/-2.461 χ^2/NDF : 4822727.3/35

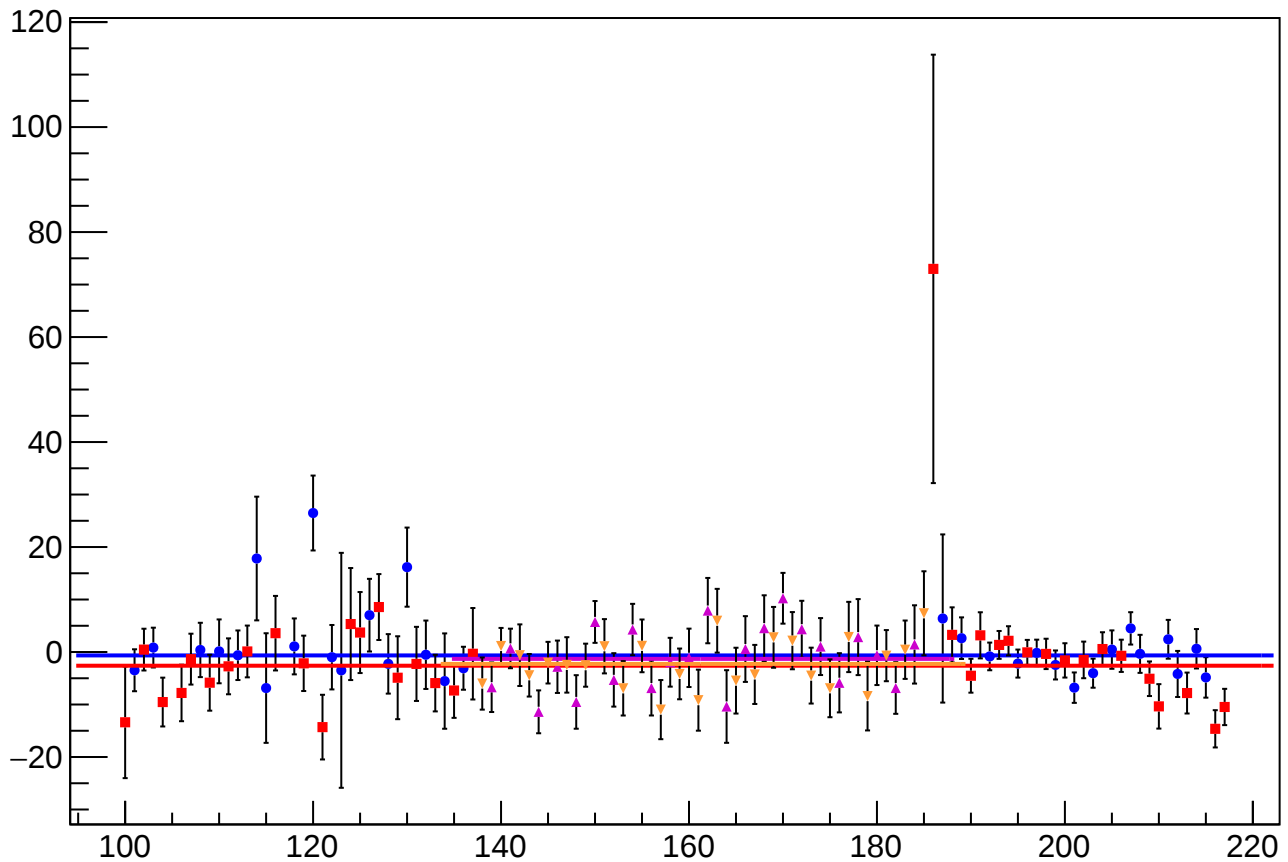
Left In: 5627.283+/-0.957 χ^2/NDF : 279318.7/22

+ sign 6560.293+/-0.864 χ^2/NDF : 13566873.7/56

All: 6643.410+/-0.621 χ^2/NDF : 28836676.9/1

- sign 6731.907+/-0.892 χ^2/NDF : 15250703.9/58

diff_bpm16Y_mean vs Slug



Right In: -0.648 ± 0.723 χ^2/NDF : 38.2/31

Left Out: -2.268 ± 1.029 χ^2/NDF : 15.4/24

Right Out: -2.610 ± 0.695 χ^2/NDF : 53.2/35

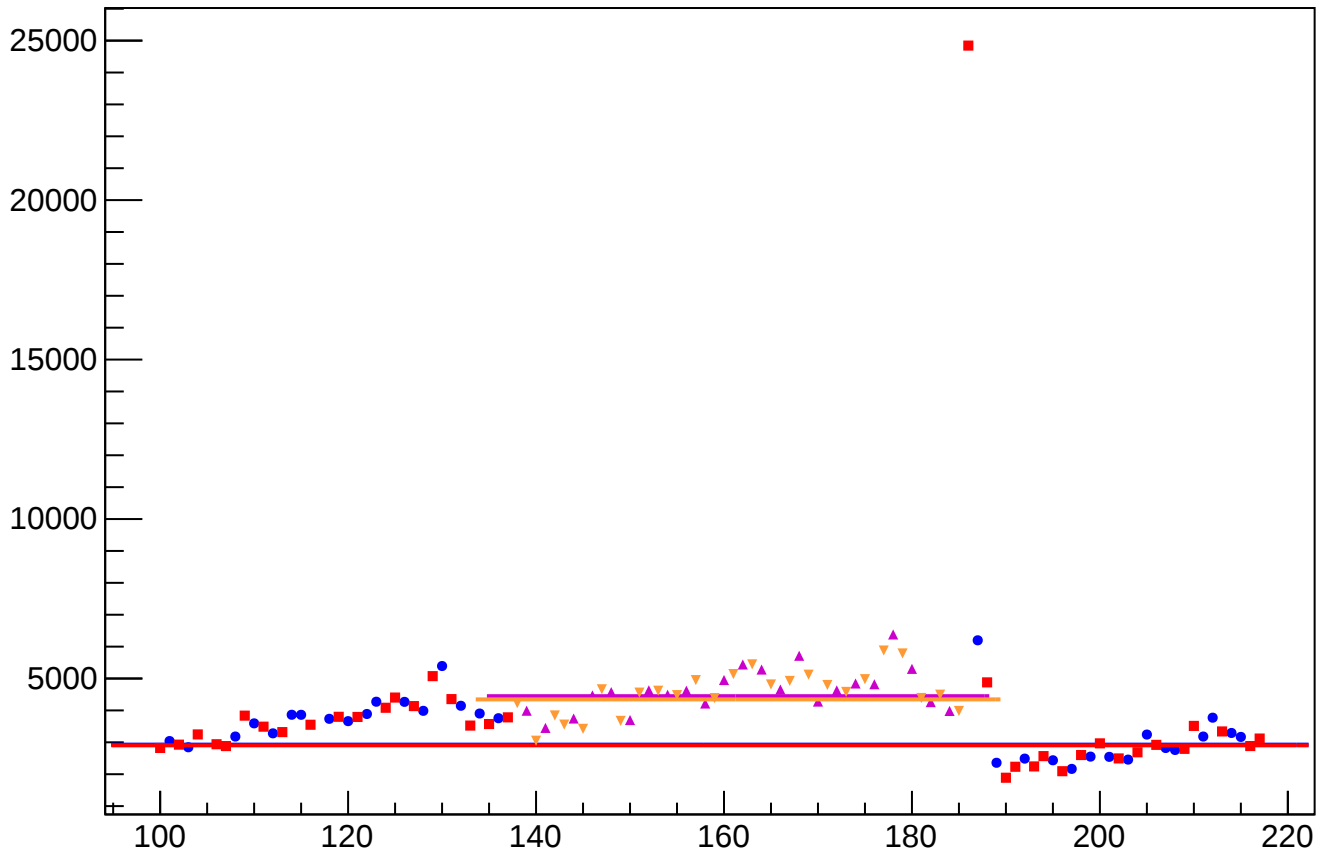
Left In: -1.305 ± 1.077 χ^2/NDF : 30.8/22

+ sign -1.183 ± 0.591 χ^2/NDF : 55.3/56

All: -1.711 ± 0.416 χ^2/NDF : 141.9/115

- sign -2.226 ± 0.584 χ^2/NDF : 85.0/58

diff_bpm16Y_rms vs Slug



Right In: 2926.693+/-0.511 χ^2/NDF : 1419685.4/31

Left Out: 4345.381+/-0.728 χ^2/NDF : 1000636.1/24

Right Out: 2905.055+/-0.492 χ^2/NDF : 2346385.4/35

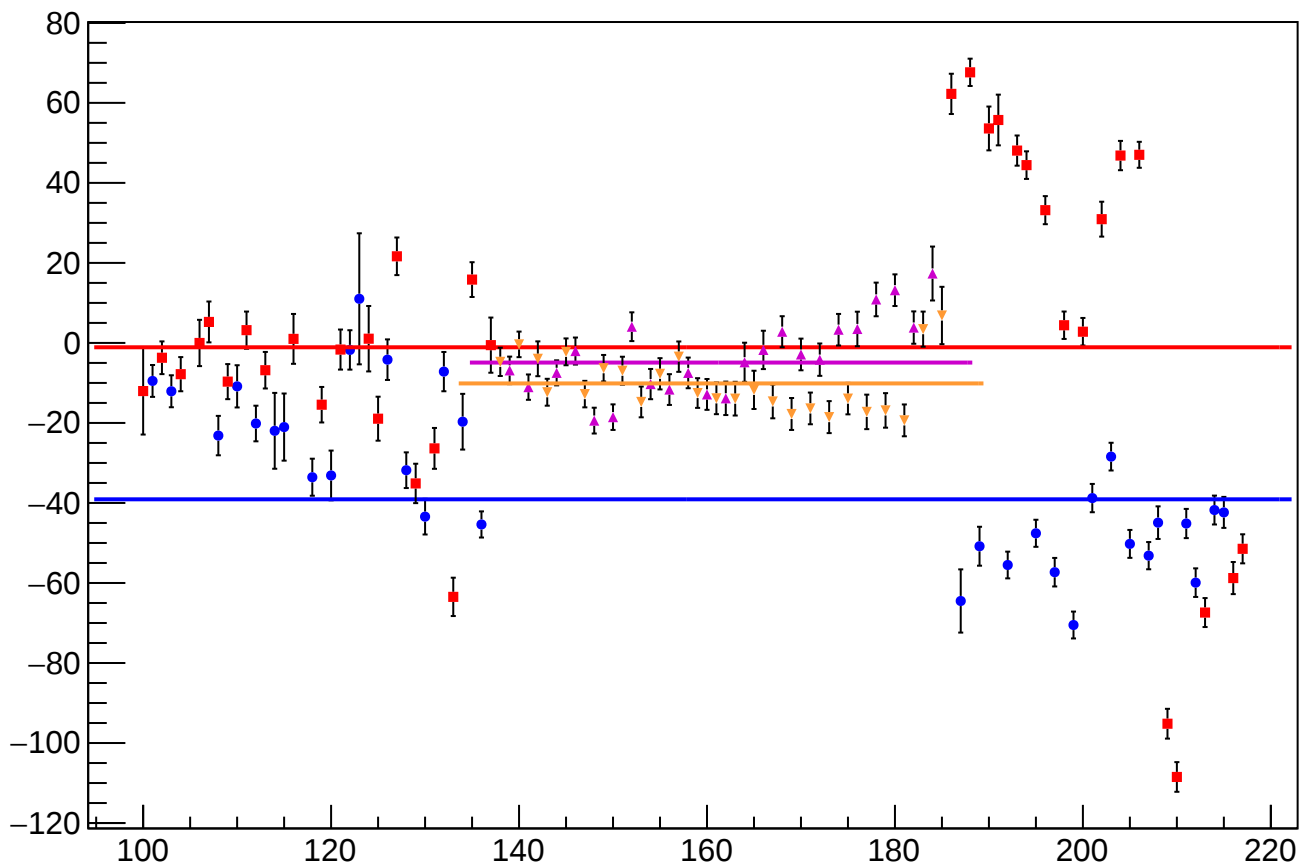
Left In: 4446.181+/-0.762 χ^2/NDF : 702797.6/22

+ sign 3394.917+/-0.418 χ^2/NDF : 4965117.4/56

All: 3376.342+/-0.294 χ^2/NDF : 10908904.2/100

- sign 3358.227+/-0.413 χ^2/NDF : 5939889.8/58

diff_bpm0l01X_mean vs Slug



Right In: -39.089 ± 0.749 χ^2/NDF : 576.9/31

Left Out: -10.125 ± 0.775 χ^2/NDF : 67.9/24

Right Out: -1.090 ± 0.723 χ^2/NDF : 4155.9/35

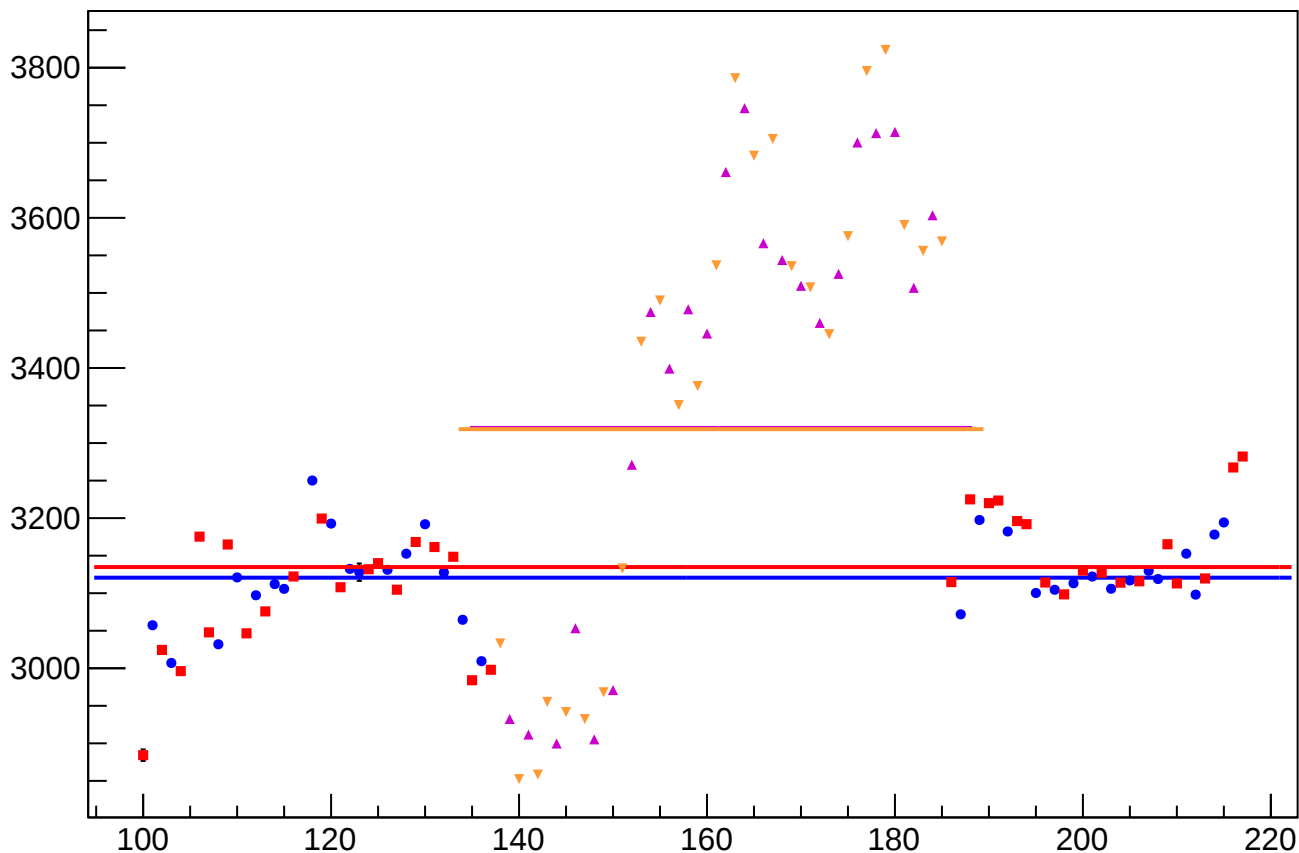
Left In: -4.911 ± 0.797 χ^2/NDF : 127.9/22

+ sign -25.110 ± 0.539 χ^2/NDF : 1366.6/56

All: -13.893 ± 0.380 χ^2/NDF : 6524.8/115

- sign -2.814 ± 0.535 χ^2/NDF : 4296.5/58

diff_bpm0l01X_rms vs Slug



Right In: 3120.667 $\pm$ 0.530 χ^2 /NDF: 10644.2/31

Left Out: 3318.506 $\pm$ 0.548 χ^2 /NDF:337694.2/24

Right Out: 3134.830 $\pm$ 0.511 χ^2 /NDF: 19918.6/35

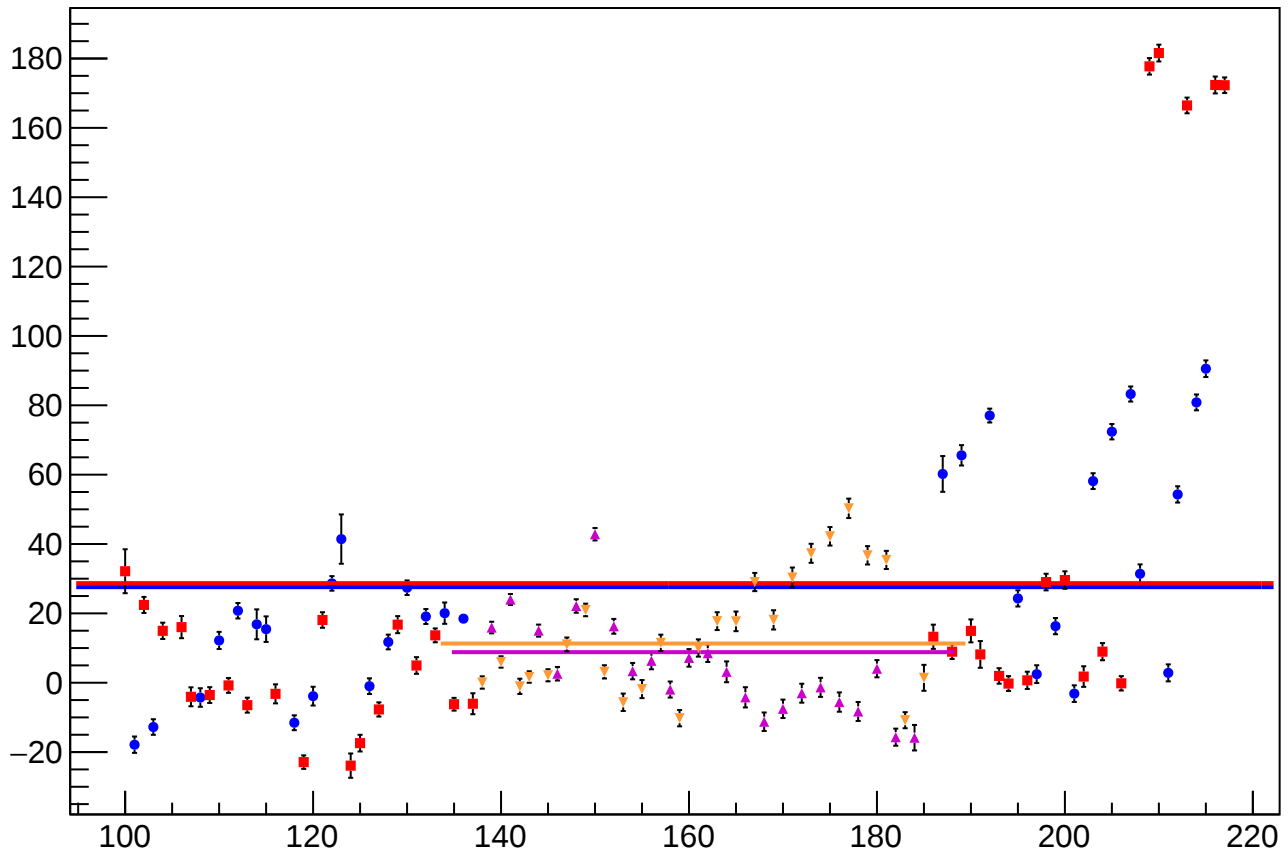
Left In: 3320.170 $\pm$ 0.564 χ^2 /NDF:287634.9/22

+ sign 3216.153 $\pm$ 0.381 χ^2 /NDF: 415686.5/56

All: 3217.308 $\pm$ 0.269 χ^2 /NDF: 782598.8/115

- sign 3218.450 $\pm$ 0.379 χ^2 /NDF: 366894.0/58

diff_bpm0l01Y_mean vs Slug



Right In: 27.564 $\pm$ 0.419 χ^2 /NDF: 5463.9/31

Left Out: 11.305 $\pm$ 0.454 χ^2 /NDF:1144.3/24

Right Out: 28.719 $\pm$ 0.404 χ^2 /NDF: 23385.2/35

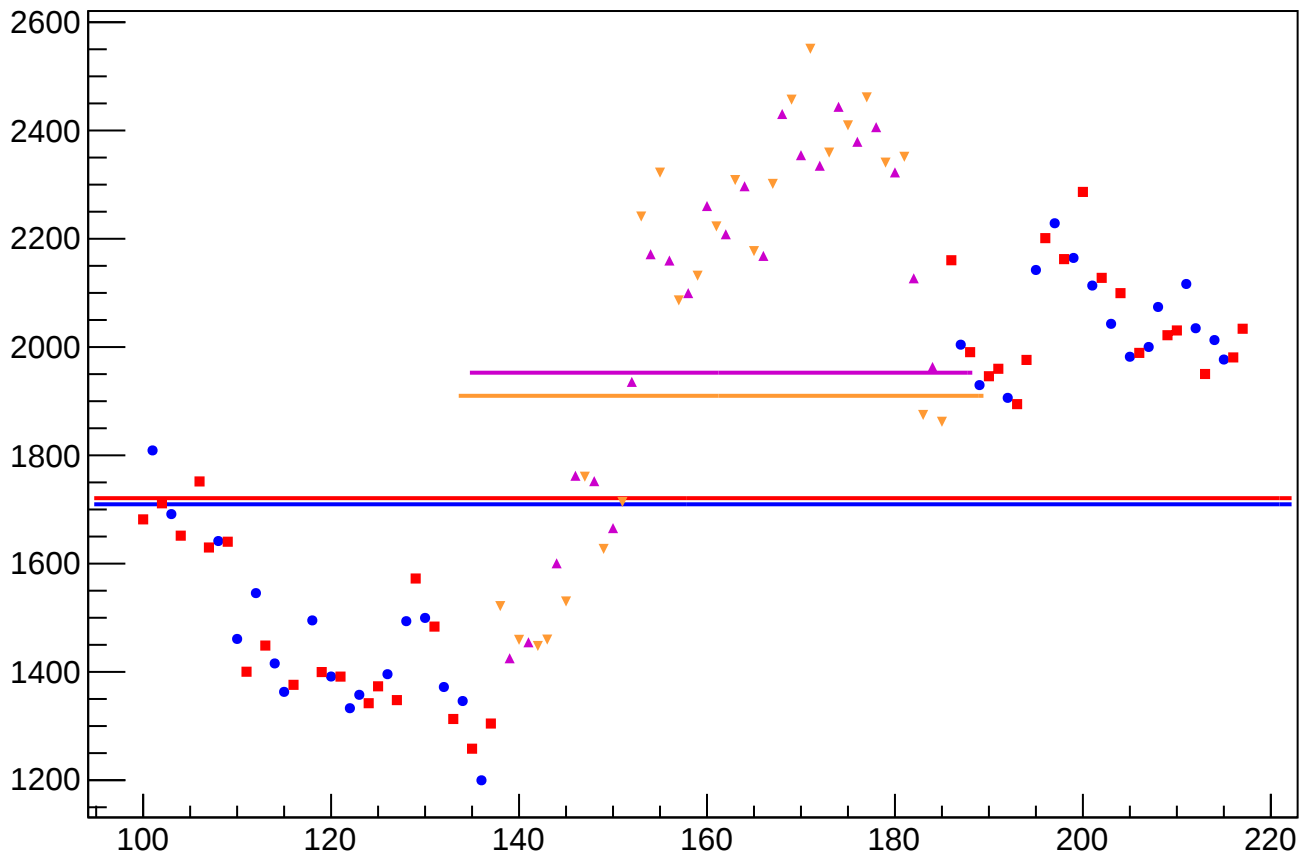
Left In: 8.815 $\pm$ 0.475 χ^2 /NDF:942.2/22

+ sign 20.091 $\pm$ 0.308 χ^2 /NDF: 7301.7/56

All: 20.230 $\pm$ 0.218 χ^2 /NDF: 32647.2/115

- sign 20.370 $\pm$ 0.308 χ^2 /NDF: 25345.1/58

diff_bpm0l01Y_rms vs Slug



Right In: 1709.584 $\pm$ 0.296 χ^2 /NDF: 1257917.4/31

Left Out: 1909.963 $\pm$ 0.321 χ^2 /NDF:1399467.7/24

Right Out: 1720.892 $\pm$ 0.286 χ^2 /NDF: 1248239.0/35

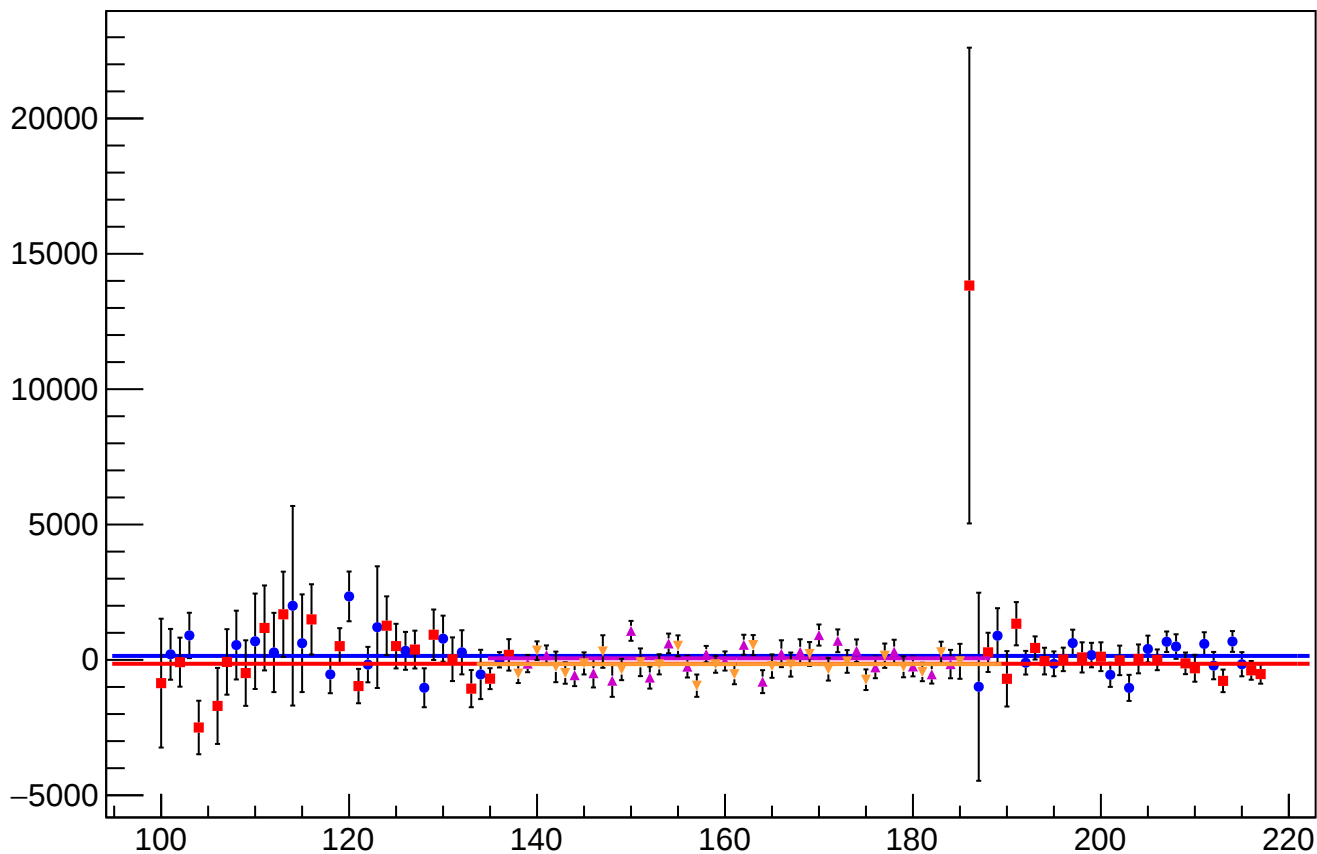
Left In: 1952.637 $\pm$ 0.336 χ^2 /NDF:1065333.8/22

+ sign 1801.685 $\pm$ 0.218 χ^2 /NDF: 2868053.6/56

All: 1809.888 $\pm$ 0.154 χ^2 /NDF: 5460416.8/11

- sign 1818.100 $\pm$ 0.218 χ^2 /NDF: 2589519.0/58

asym_sam1_mean vs Slug



Right In: 147.187 ± 101.493 χ^2/NDF : 30.1/31

Left Out: -157.242 ± 80.796 χ^2/NDF : 22.0/24

Right Out: -142.997 ± 99.312 χ^2/NDF : 35.2/35

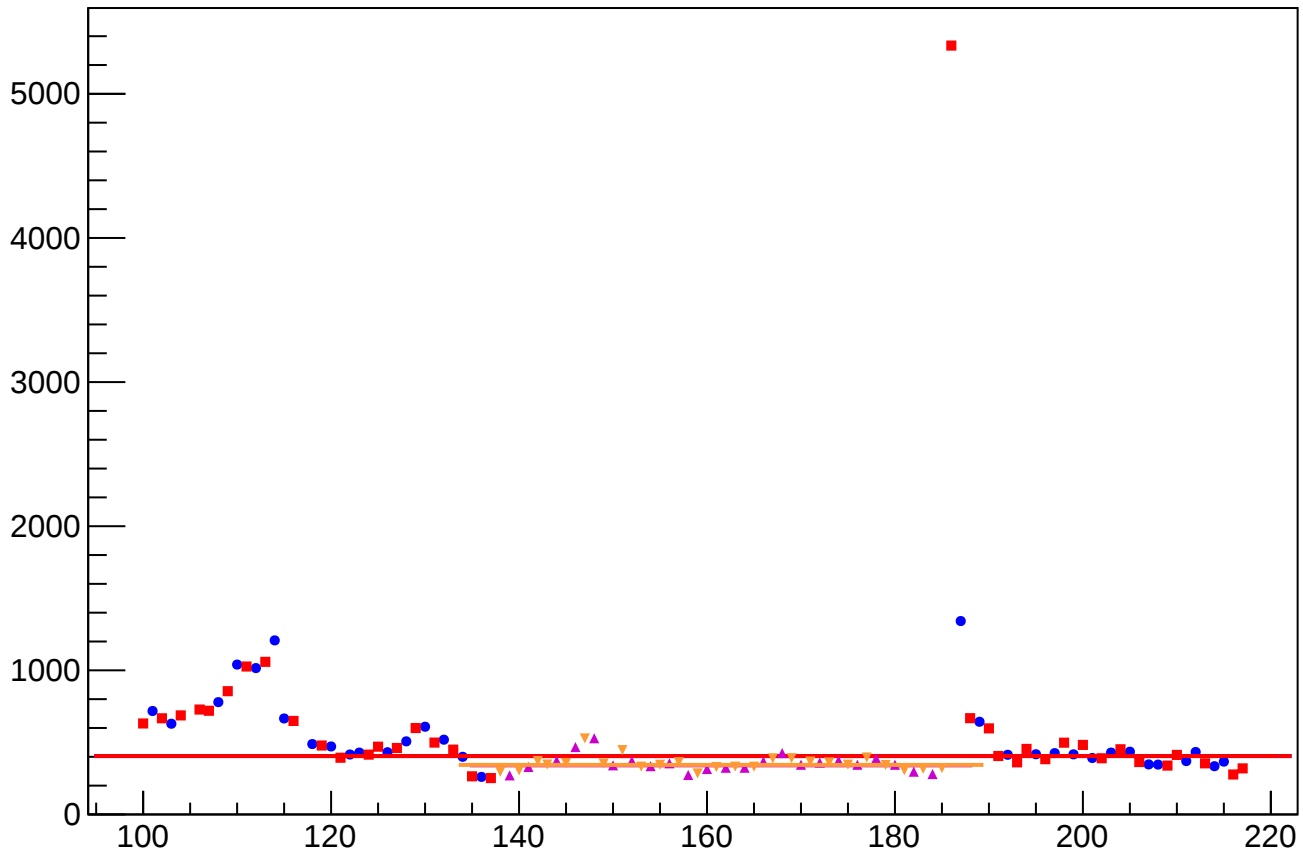
Left In: 58.934 ± 82.584 χ^2/NDF : 38.5/22

+ sign -39.152 ± 63.212 χ^2/NDF : 57.7/56

All: -31.420 ± 44.798 χ^2/NDF : 133.9/115

- sign -23.618 ± 63.498 χ^2/NDF : 76.2/58

asym_sam1_rms vs Slug



Right In: 405.079+/-0.072 χ^2/NDF : 2498783.2/31

Left Out: 343.807+/-0.057 χ^2/NDF : 539431.0/24

Right Out: 405.226+/-0.070 χ^2/NDF : 3790714.4/35

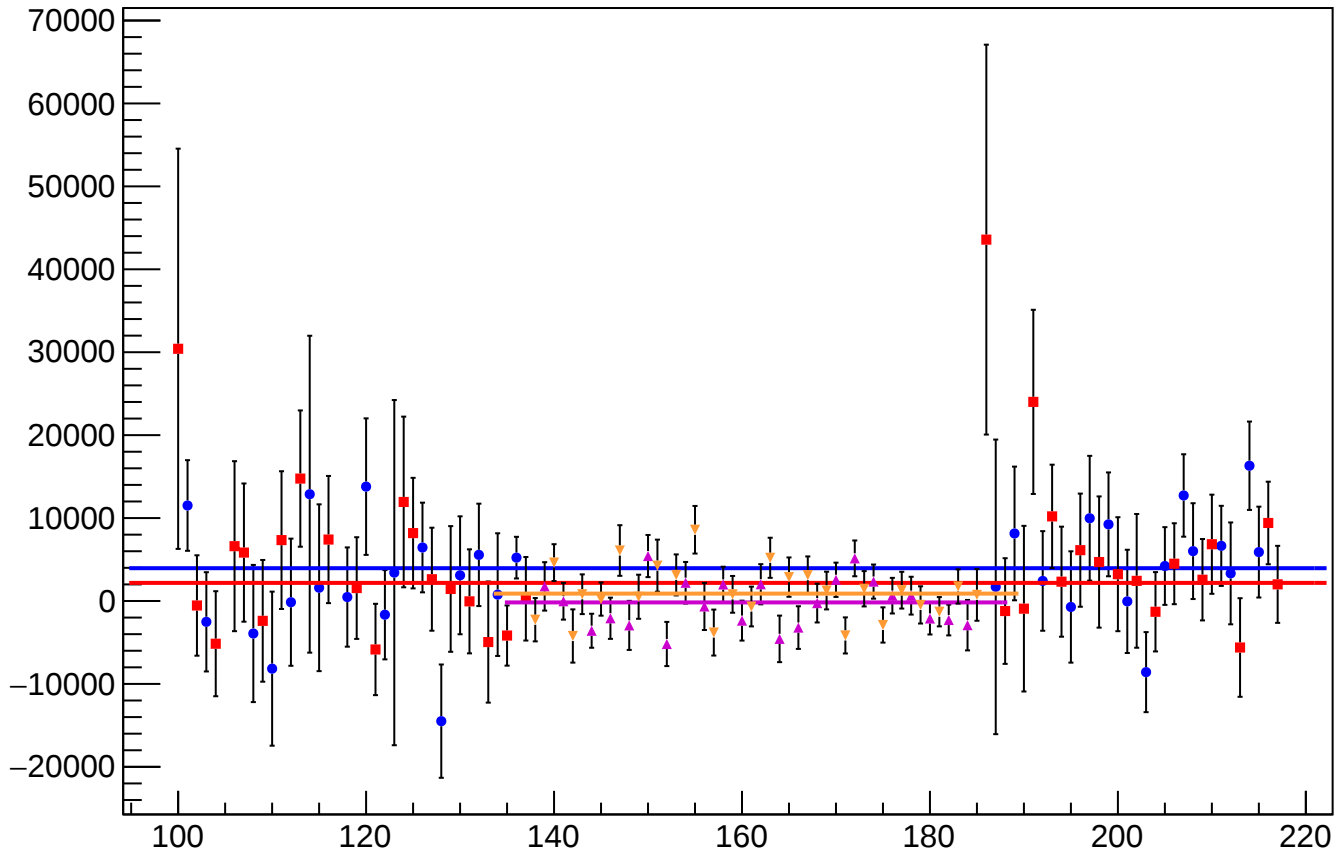
Left In: 340.876+/-0.058 χ^2/NDF : 724672.0/22

+ sign 367.575+/-0.045 χ^2/NDF : 3484392.1/56

All: 367.380+/-0.032 χ^2/NDF : 8496236.6/115

- sign 367.183+/-0.045 χ^2/NDF : 5011806.3/58

asym_sam2_mean vs Slug



Right In: 3954.723 $\pm$ 1048.636 χ^2 /NDF: 35.5/31

Left Out: 890.395 $\pm$ 473.262 χ^2 /NDF:38.0/24

Right Out: 2183.081 $\pm$ 1069.473 χ^2 /NDF: 29.7/35

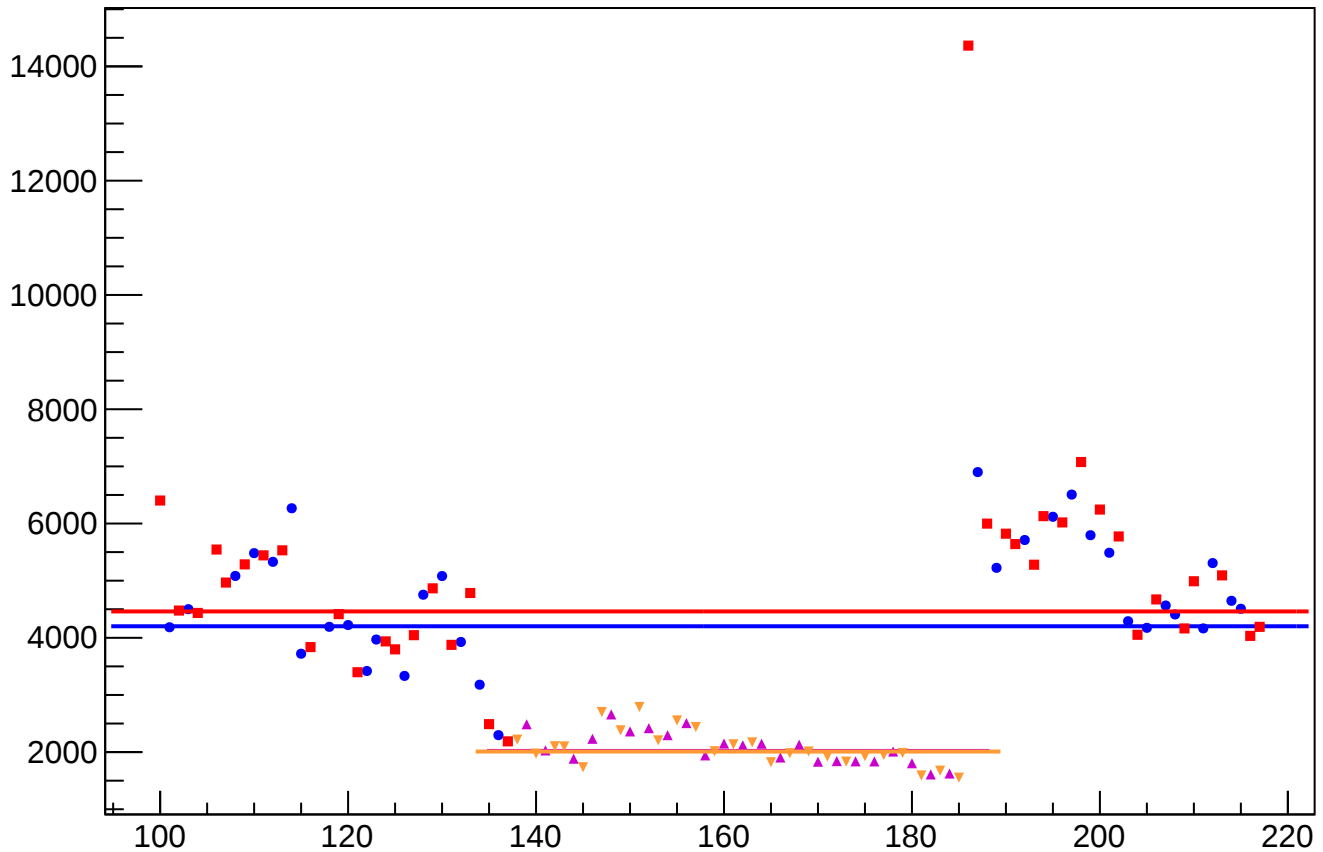
Left In: -172.391 $\pm$ 488.067 χ^2 /NDF:33.2/22

+ sign 1408.929 $\pm$ 431.366 χ^2 /NDF: 80.6/56

All: 838.254 $\pm$ 309.397 χ^2 /NDF: 151.1/115

- sign 233.617 $\pm$ 444.016 χ^2 /NDF: 66.9/58

asym_sam2_rms vs Slug



Right In: 4202.171+/-0.741 χ^2 /NDF: 2336764.2/31

Left Out: 2009.631+/-0.335 χ^2 /NDF: 709977.6/24

Right Out: 4461.627+/-0.756 χ^2 /NDF: 2563570.1/35

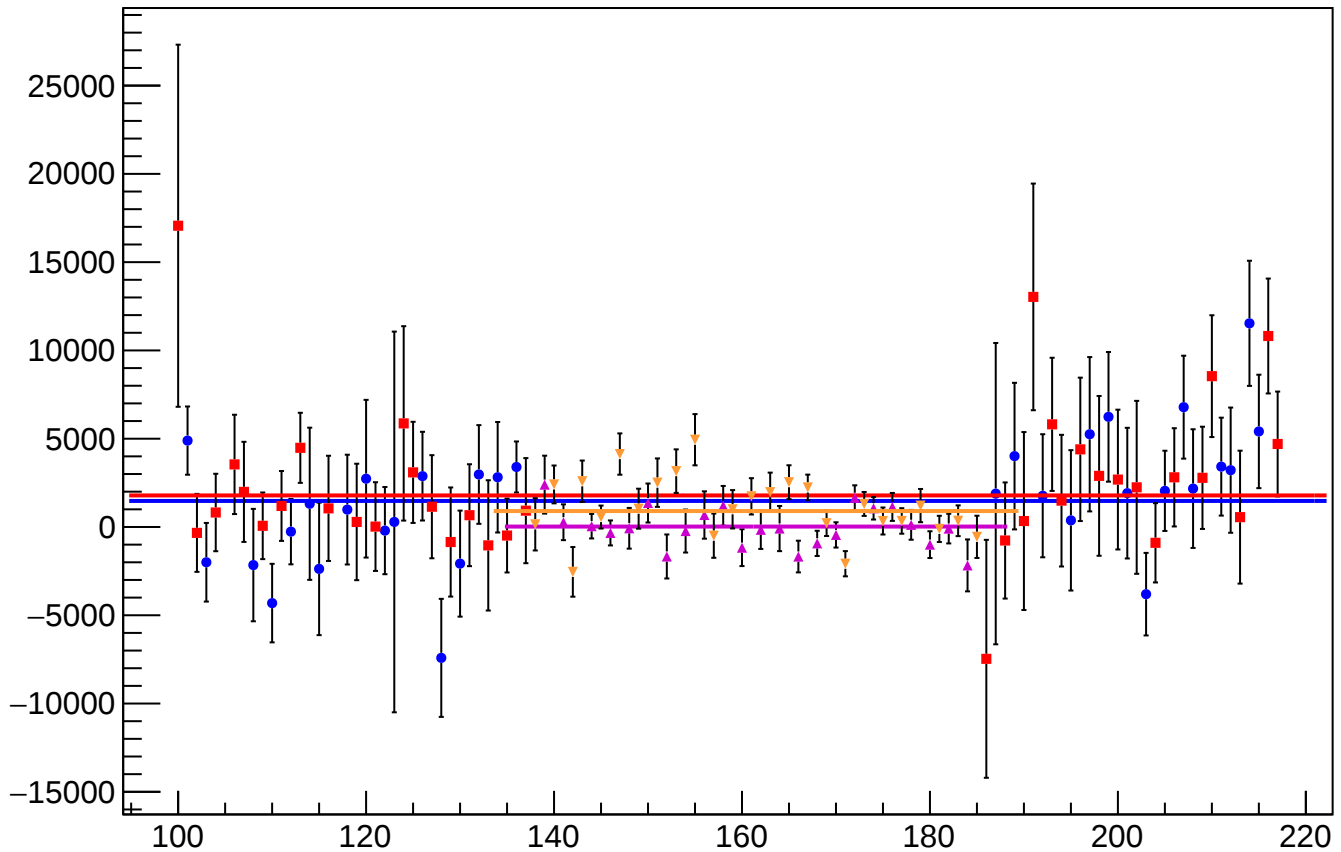
Left In: 2020.365+/-0.345 χ^2 /NDF: 573483.0/22

+ sign 2380.644+/-0.305 χ^2 /NDF: 10310535.9/56

All: 2410.028+/-0.219 χ^2 /NDF: 22091644.7/100

- sign 2441.161+/-0.314 χ^2 /NDF: 11761995.9/58

asym_sam3_mean vs Slug



Right In: 1475.629 $\pm$ 502.119 χ^2 /NDF: 48.9/31

Left Out: 902.091 $\pm$ 185.850 χ^2 /NDF: 63.5/24

Right Out: 1787.114 $\pm$ 494.922 χ^2 /NDF: 32.4/35

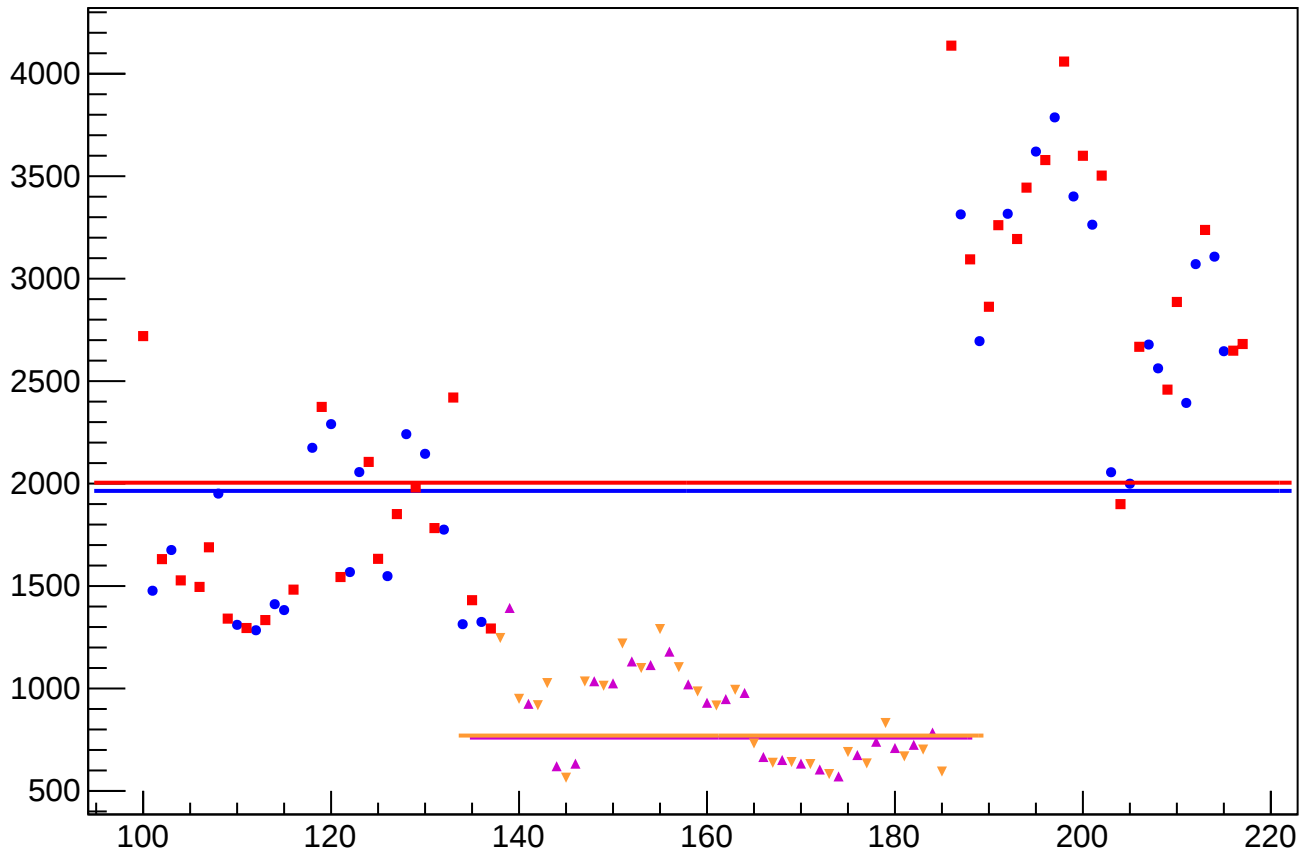
Left In: 23.529 $\pm$ 188.137 χ^2 /NDF: 28.2/22

+ sign 971.197 $\pm$ 174.294 χ^2 /NDF: 113.6/56

All: 611.937 $\pm$ 123.794 χ^2 /NDF: 193.9/115

- sign 246.195 $\pm$ 175.859 χ^2 /NDF: 71.7/58

asym_sam3_rms vs Slug



Right In: 1964.290 $\pm$ 0.355 χ^2 /NDF: 3706868.1/31

Left Out: 770.320 $\pm$ 0.131 χ^2 /NDF: 2287655.1/24

Right Out: 2004.330 $\pm$ 0.350 χ^2 /NDF: 4450828.0/35

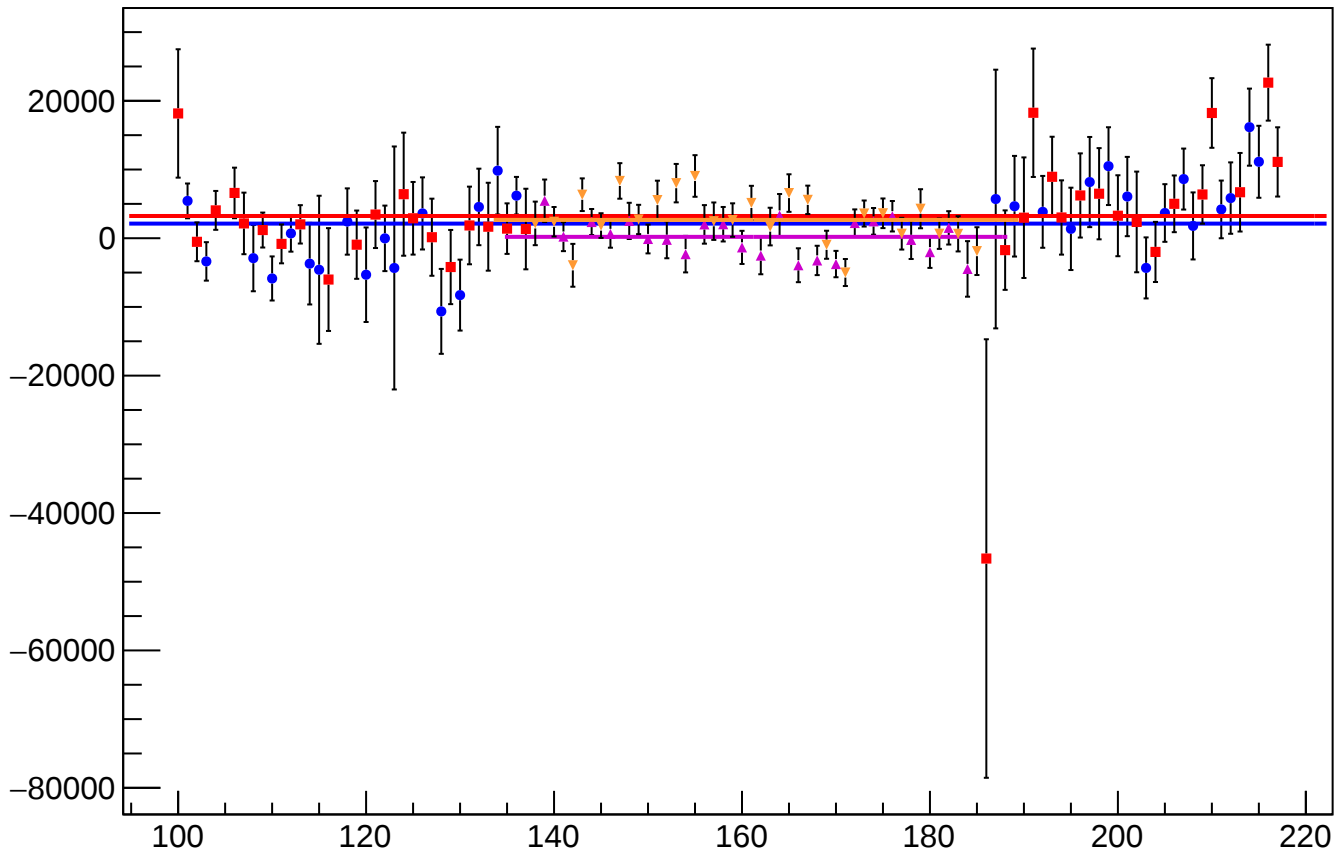
Left In: 760.352 $\pm$ 0.133 χ^2 /NDF: 1986749.8/22

+ sign 914.182 $\pm$ 0.123 χ^2 /NDF: 15940431.6/56

All: 915.783 $\pm$ 0.088 χ^2 /NDF: 33418251.8/1

- sign 917.413 $\pm$ 0.124 χ^2 /NDF: 17477479.6/58

asym_sam4_mean vs Slug



Right In: 2127.486 $\pm$ 806.761 χ^2 /NDF: 46.4/31

Left Out: 2665.587 $\pm$ 479.773 χ^2 /NDF: 49.2/24

Right Out: 3236.226 $\pm$ 769.195 χ^2 /NDF: 46.5/35

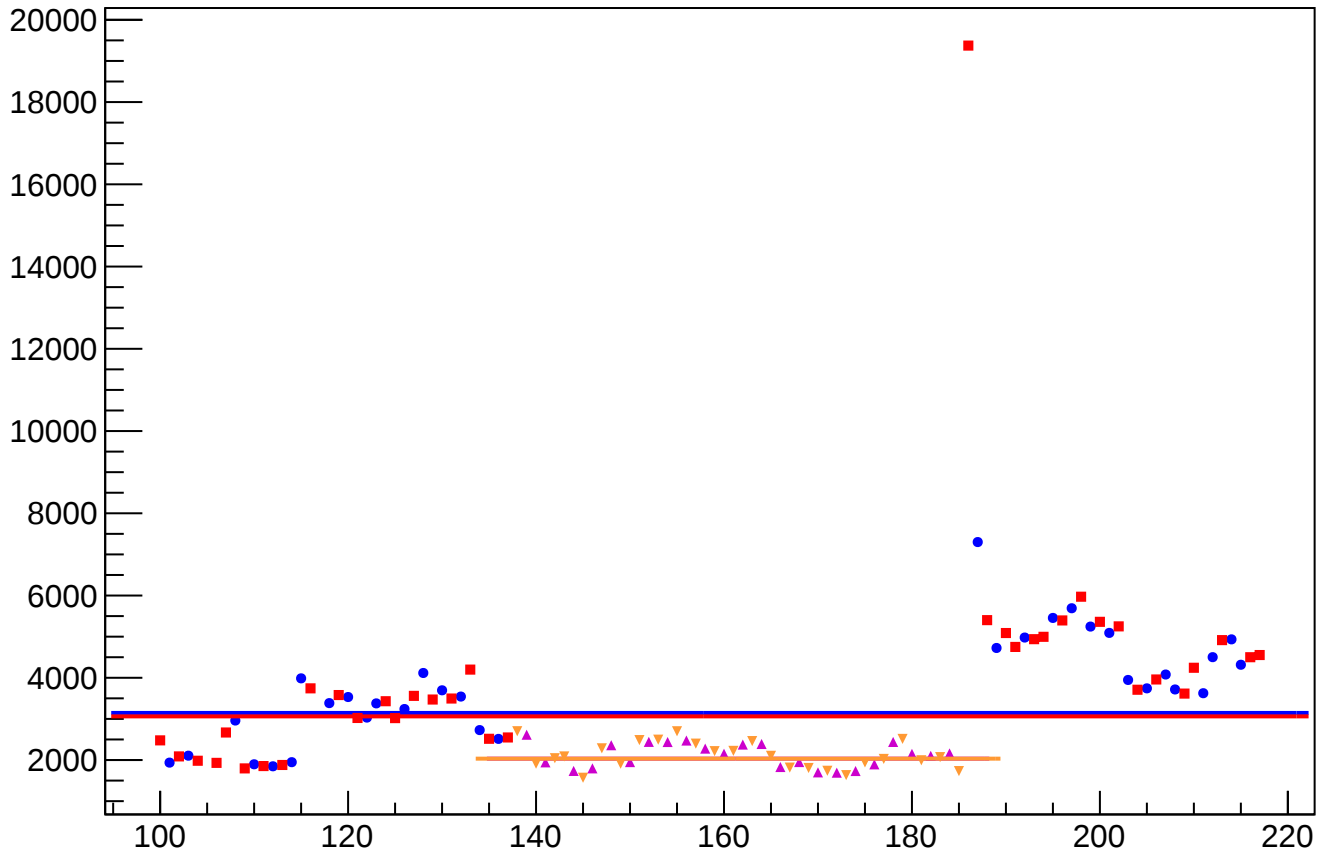
Left In: 199.371 $\pm$ 492.082 χ^2 /NDF: 25.8/22

+ sign 2525.003 $\pm$ 412.365 χ^2 /NDF: 95.9/56

All: 1806.908 $\pm$ 292.344 χ^2 /NDF: 185.4/115

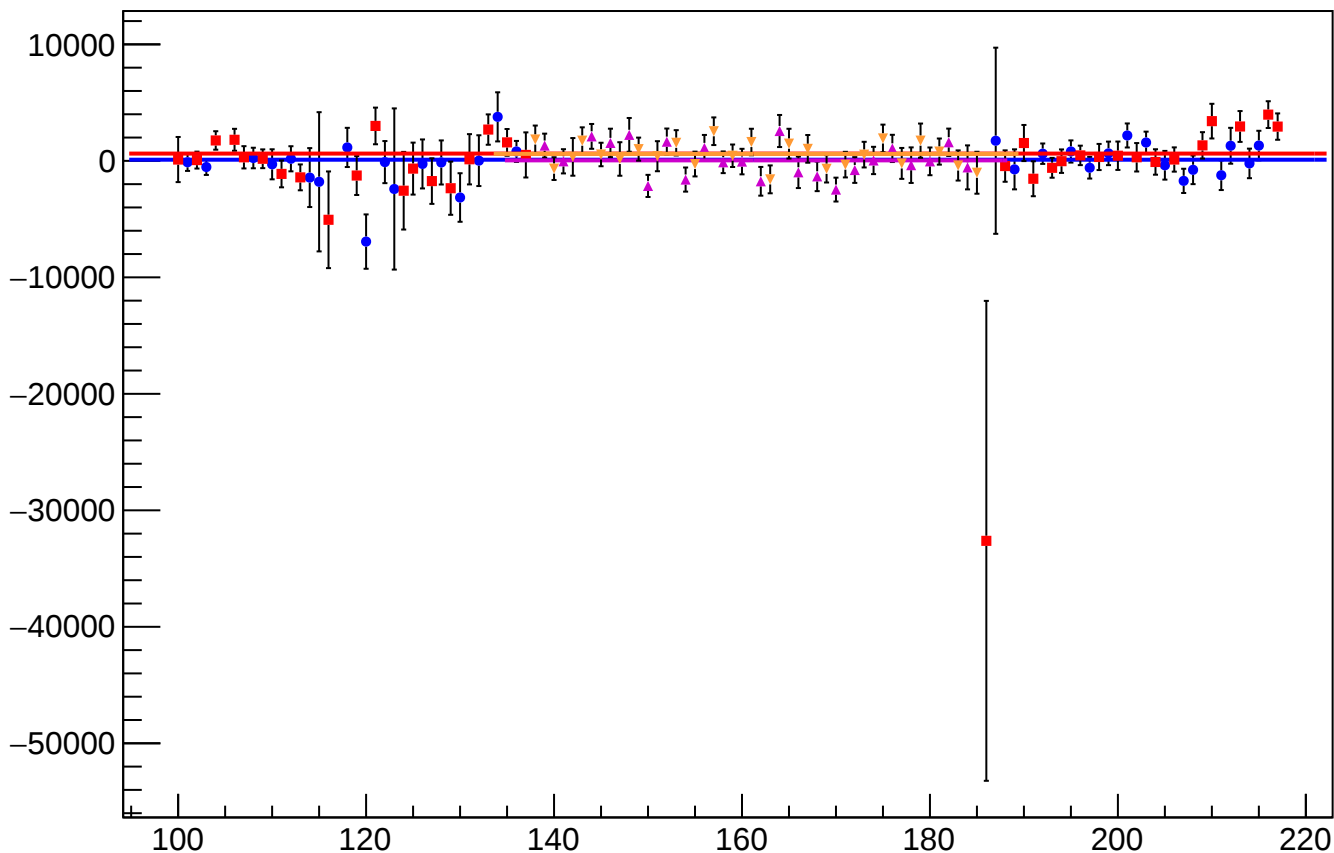
- sign 1081.300 $\pm$ 414.516 χ^2 /NDF: 83.3/58

asym_sam4_rms vs Slug



Right In: 3145.166+/-0.570	χ^2/NDF : 4042256.6/31	+ sign 2323.814+/-0.292	χ^2/NDF : 7672444.5/56
Left Out: 2033.337+/-0.339	χ^2/NDF : 824062.2/24	All: 2327.591+/-0.207	χ^2/NDF : 16470791.6/1
Right Out: 3061.391+/-0.544	χ^2/NDF : 5606768.3/35	- sign 2331.409+/-0.293	χ^2/NDF : 8798009.6/58
Left In: 2032.655+/-0.348	χ^2/NDF : 652763.7/22		

asym_sam5_mean vs Slug



Right In: 98.180 $\pm$ 214.803 χ^2 /NDF: 32.2/31

Left Out: 600.005 $\pm$ 234.968 χ^2 /NDF:18.5/24

Right Out: 624.352 $\pm$ 200.318 χ^2 /NDF: 52.1/35

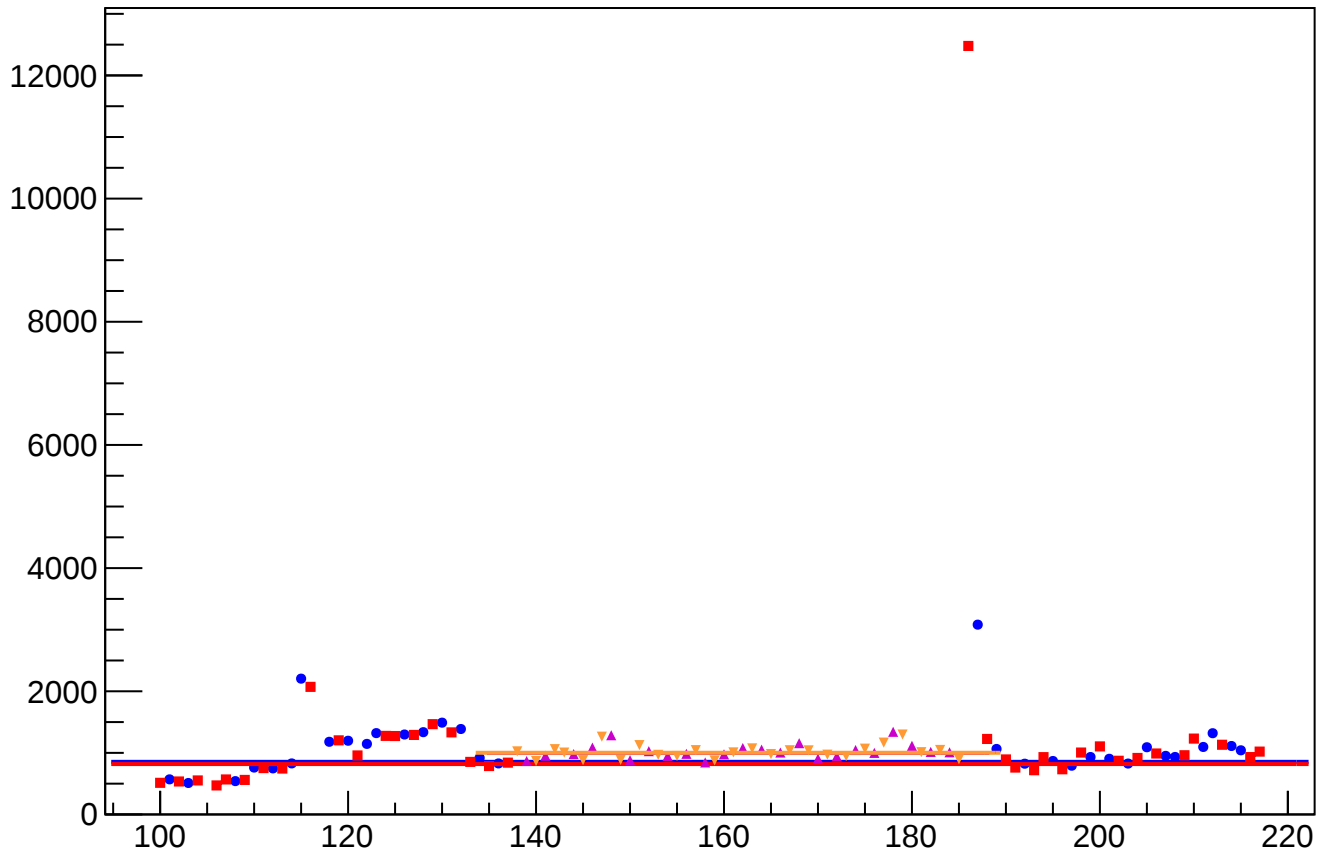
Left In: 41.559 $\pm$ 240.807 χ^2 /NDF:36.4/22

+ sign 326.639 $\pm$ 158.539 χ^2 /NDF: 53.2/56

All: 357.182 $\pm$ 110.464 χ^2 /NDF: 145.2/115

- sign 386.002 $\pm$ 154.000 χ^2 /NDF: 91.9/58

asym_sam5_rms vs Slug



Right In: 854.466 ± 0.152 χ^2/NDF : 2588222.3/31

Left Out: 1001.472 ± 0.166 χ^2/NDF : 370299.3/24

Right Out: 818.248 ± 0.142 χ^2/NDF : 3553212.9/35

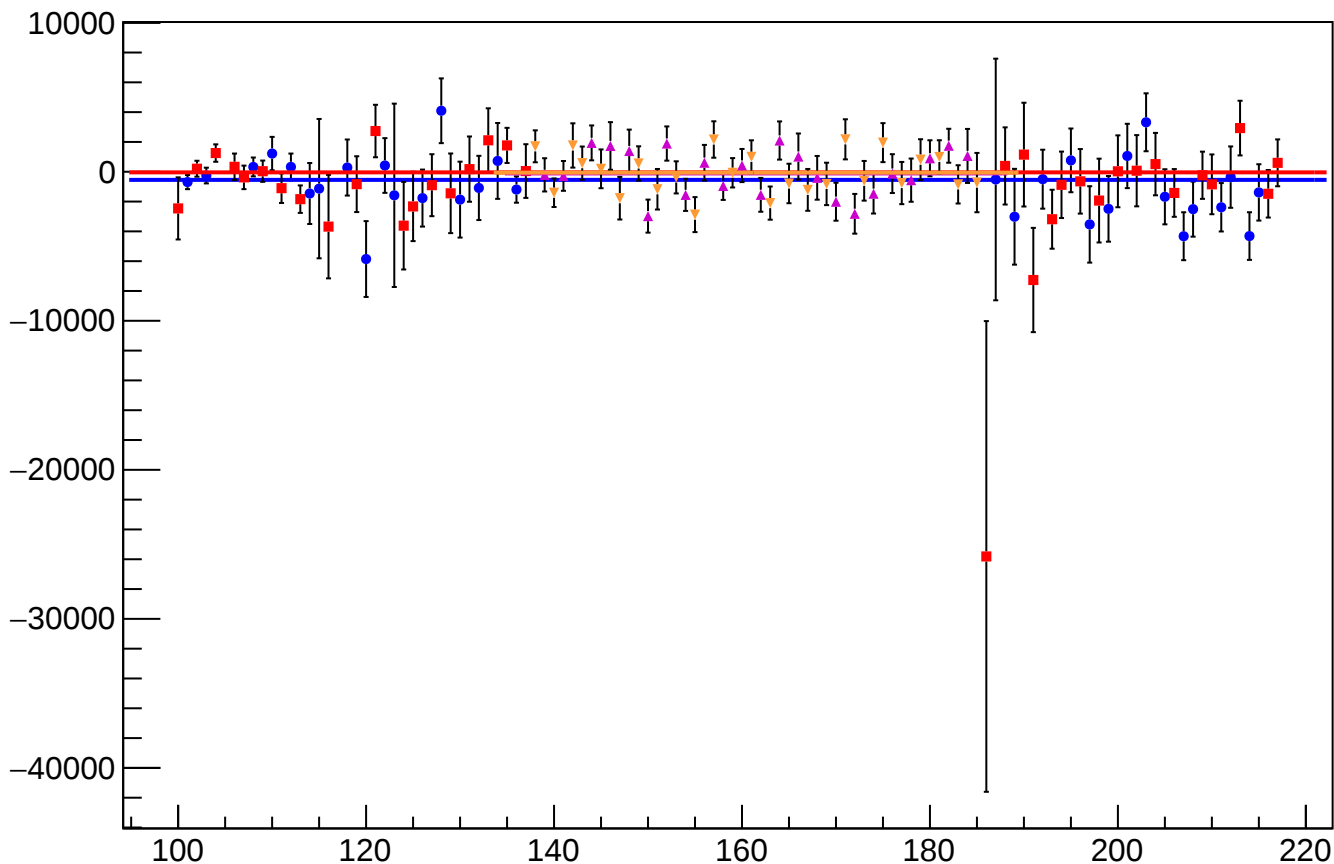
Left In: 998.050 ± 0.170 χ^2/NDF : 404656.2/22

+ sign 921.391 ± 0.112 χ^2/NDF : 3384973.9/56

All: 906.157 ± 0.078 χ^2/NDF : 8037731.6/115

- sign 891.783 ± 0.109 χ^2/NDF : 4616866.7/58

asym_sam6_mean vs Slug



Right In: -544.943 ± 225.892 χ^2/NDF : 38.6/31

Left Out: -59.827 ± 246.503 χ^2/NDF : 31.0/24

Right Out: -40.805 ± 221.854 χ^2/NDF : 36.7/35

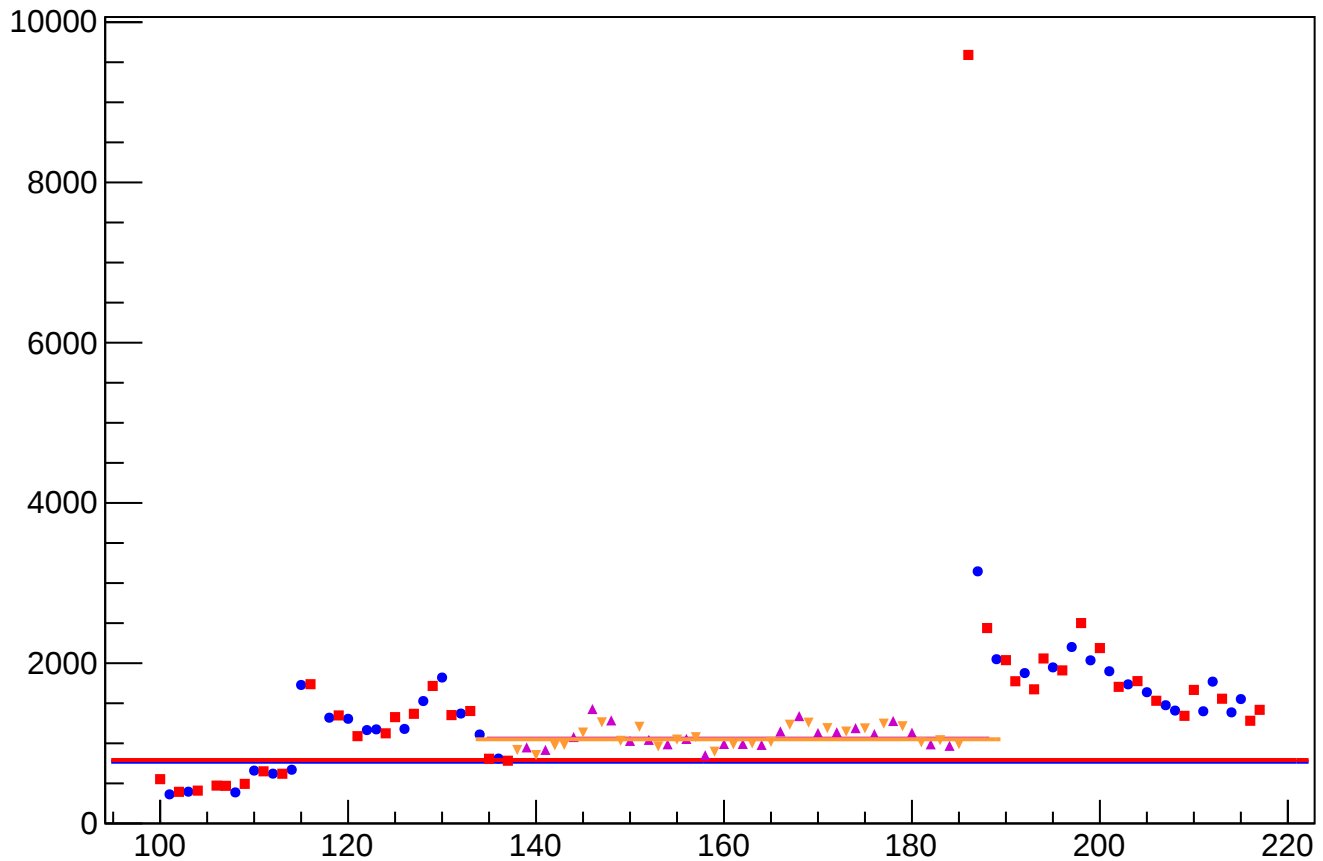
Left In: -112.398 ± 255.409 χ^2/NDF : 34.9/22

+ sign -323.512 ± 166.540 χ^2/NDF : 71.7/56

All: -198.269 ± 118.096 χ^2/NDF : 144.4/115

- sign -71.593 ± 167.491 χ^2/NDF : 71.6/58

asym_sam6_rms vs Slug



Right In: 770.378+/-0.160 χ^2/NDF : 11126501.7/31

Left Out: 1050.649+/-0.174 χ^2/NDF : 483144.2/24

Right Out: 791.812+/-0.157 χ^2/NDF : 11702285.4/35

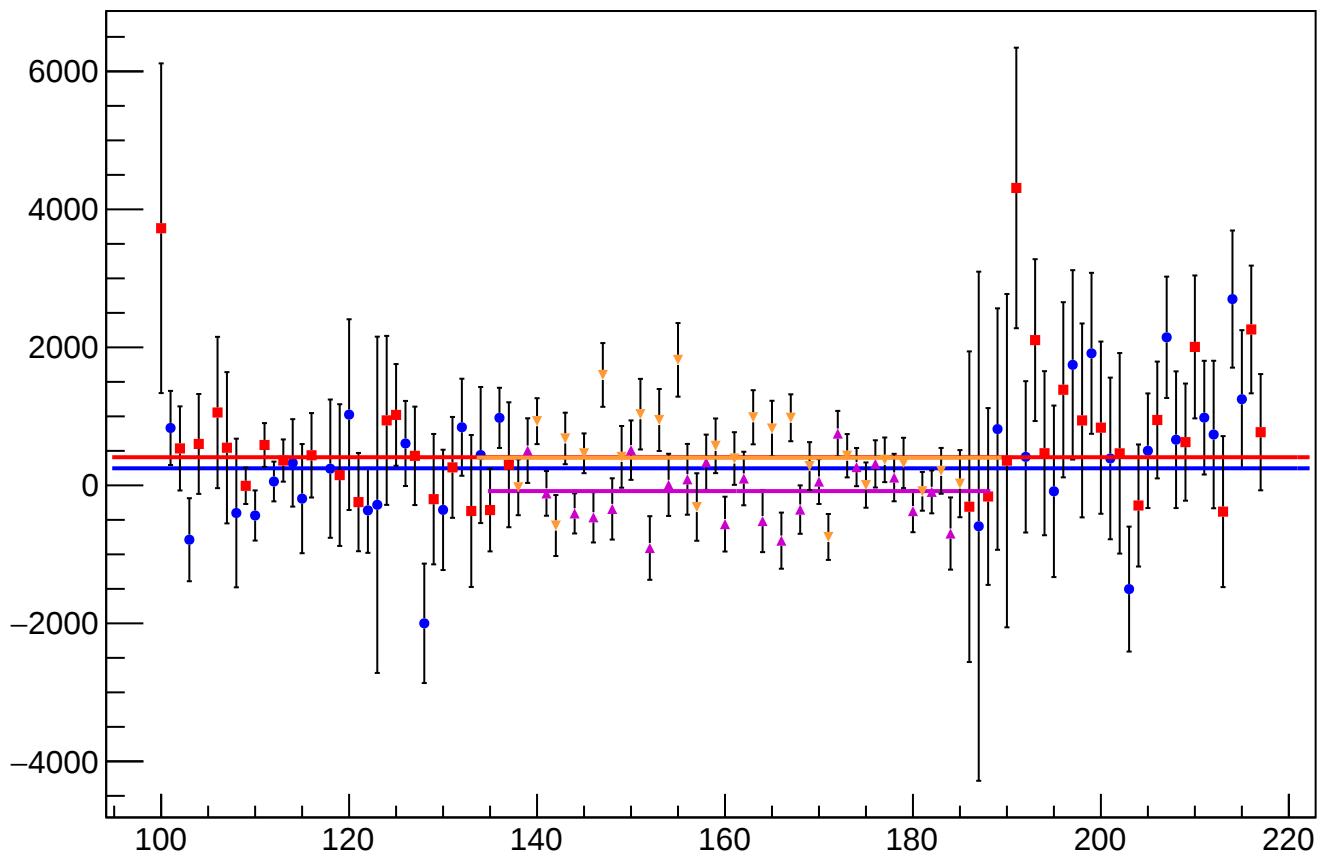
Left In: 1058.097+/-0.181 χ^2/NDF : 528574.7/22

+ sign 898.308+/-0.118 χ^2/NDF : 13014983.8/56

All: 902.294+/-0.084 χ^2/NDF : 26487217.5/11

- sign 906.325+/-0.118 χ^2/NDF : 13469929.6/58

asym_sam7_mean vs Slug



Right In: 247.256 ± 127.072 χ^2/NDF : 41.5/31

Left Out: 400.988 ± 74.546 χ^2/NDF : 52.1/24

Right Out: 407.893 ± 117.328 χ^2/NDF : 24.7/35

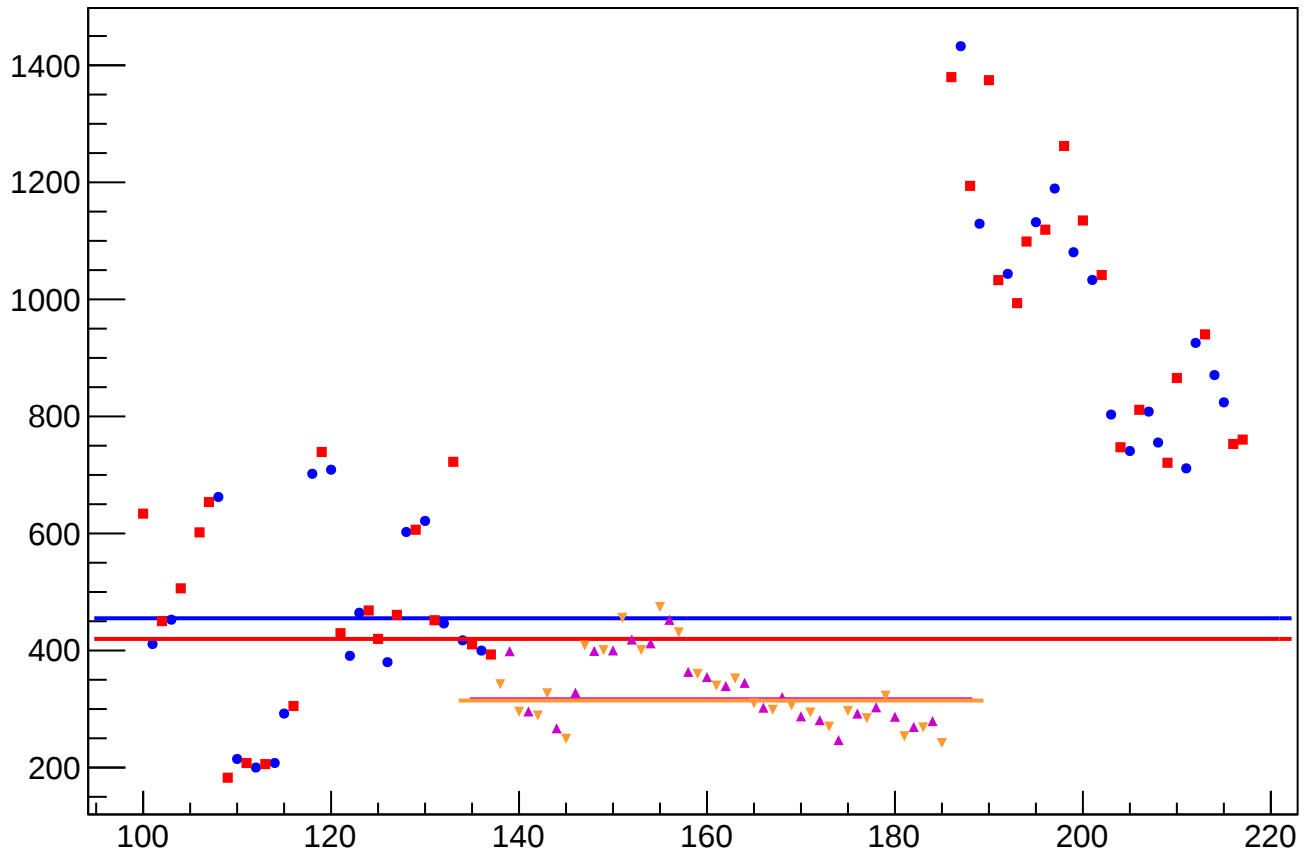
Left In: -82.890 ± 76.904 χ^2/NDF : 29.0/22

+ sign 361.627 ± 64.299 χ^2/NDF : 94.7/56

All: 213.159 ± 45.473 χ^2/NDF : 171.3/115

- sign 64.600 ± 64.319 χ^2/NDF : 65.9/58

asym_sam7_rms vs Slug



Right In: 455.080 $\pm$ 0.090 χ^2 /NDF: 8809091.8/31

Left Out: 314.538 $\pm$ 0.053 χ^2 /NDF: 1112445.6/24

Right Out: 419.826 $\pm$ 0.083 χ^2 /NDF: 11624711.1/35

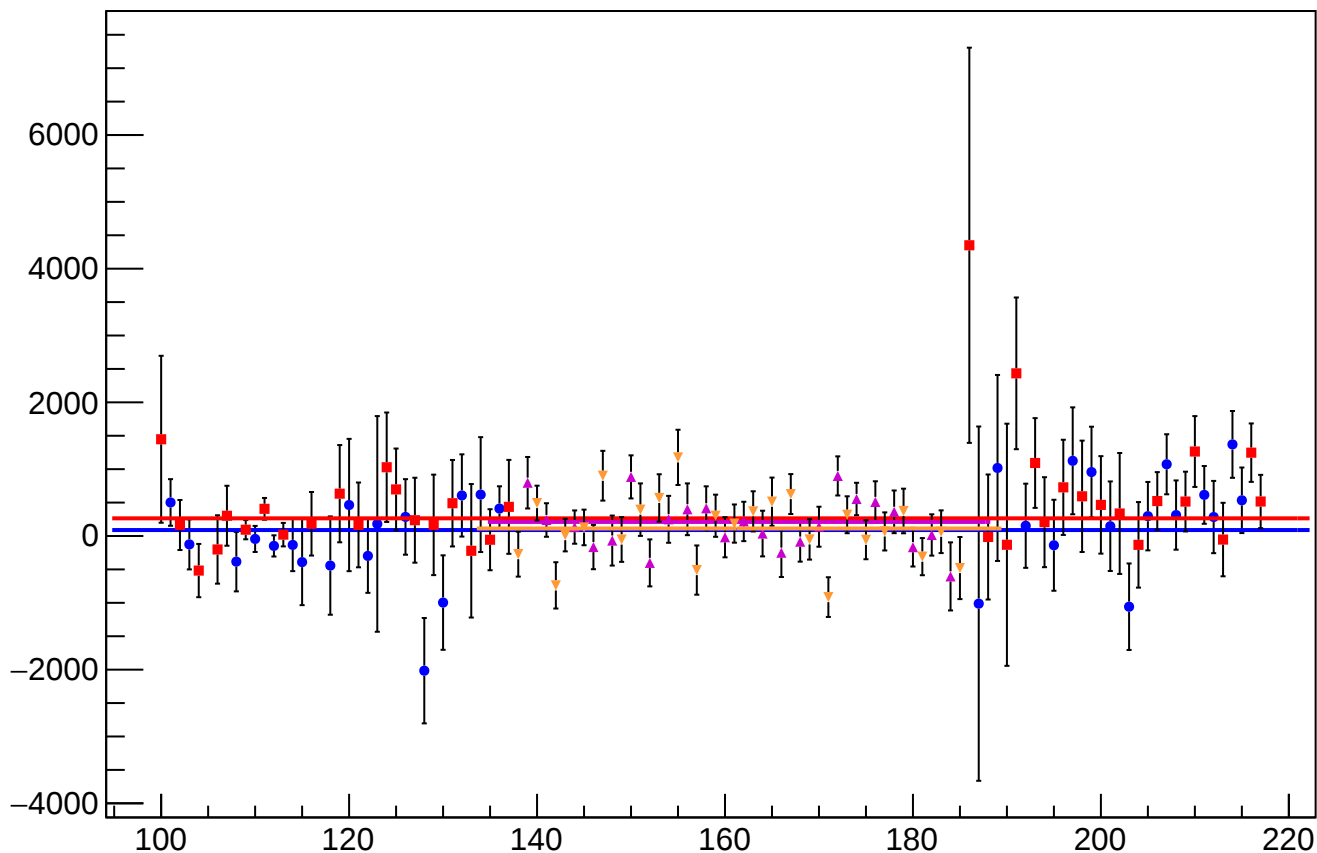
Left In: 316.647 $\pm$ 0.054 χ^2 /NDF: 920874.0/22

+ sign 350.522 $\pm$ 0.045 χ^2 /NDF: 11741634.1/56

All: 349.089 $\pm$ 0.032 χ^2 /NDF: 25371106.6/1

- sign 347.654 $\pm$ 0.045 χ^2 /NDF: 13627483.1/58

asym_sam8_mean vs Slug



Right In: 89.016+/-77.922 χ^2/NDF : 40.6/31

Left Out: 112.242+/-62.643 χ^2/NDF : 49.1/24

Right Out: 264.175+/-68.480 χ^2/NDF : 30.6/35

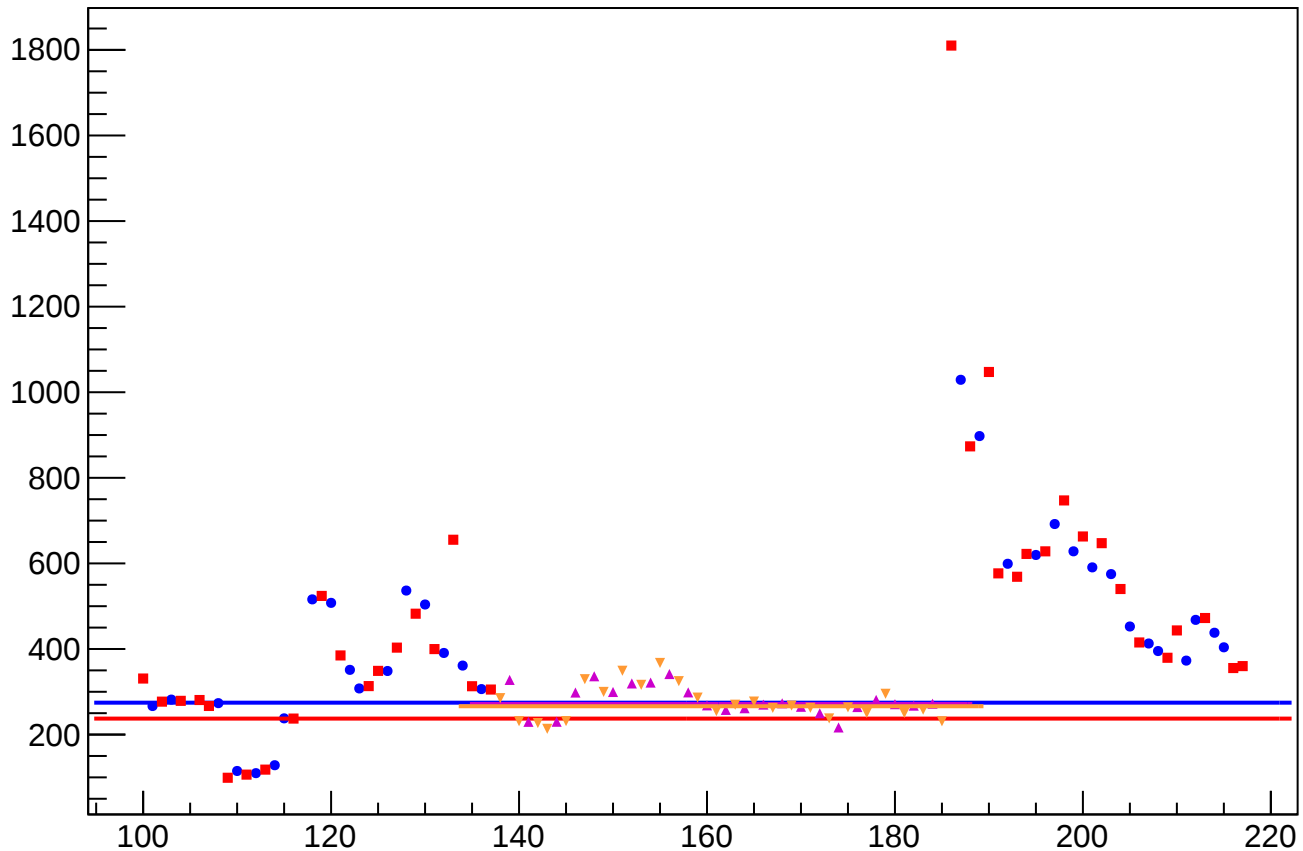
Left In: 210.453+/-65.510 χ^2/NDF : 29.2/22

+ sign 103.124+/-48.823 χ^2/NDF : 89.8/56

All: 171.677+/-33.986 χ^2/NDF : 153.7/115

- sign 236.124+/-47.338 χ^2/NDF : 60.1/58

asym_sam8_rms vs Slug



Right In: 274.551+/-0.055 χ^2/NDF : 9548346.5/31

Left Out: 266.207+/-0.044 χ^2/NDF : 649629.9/24

Right Out: 237.340+/-0.048 χ^2/NDF : 13187979.5/35

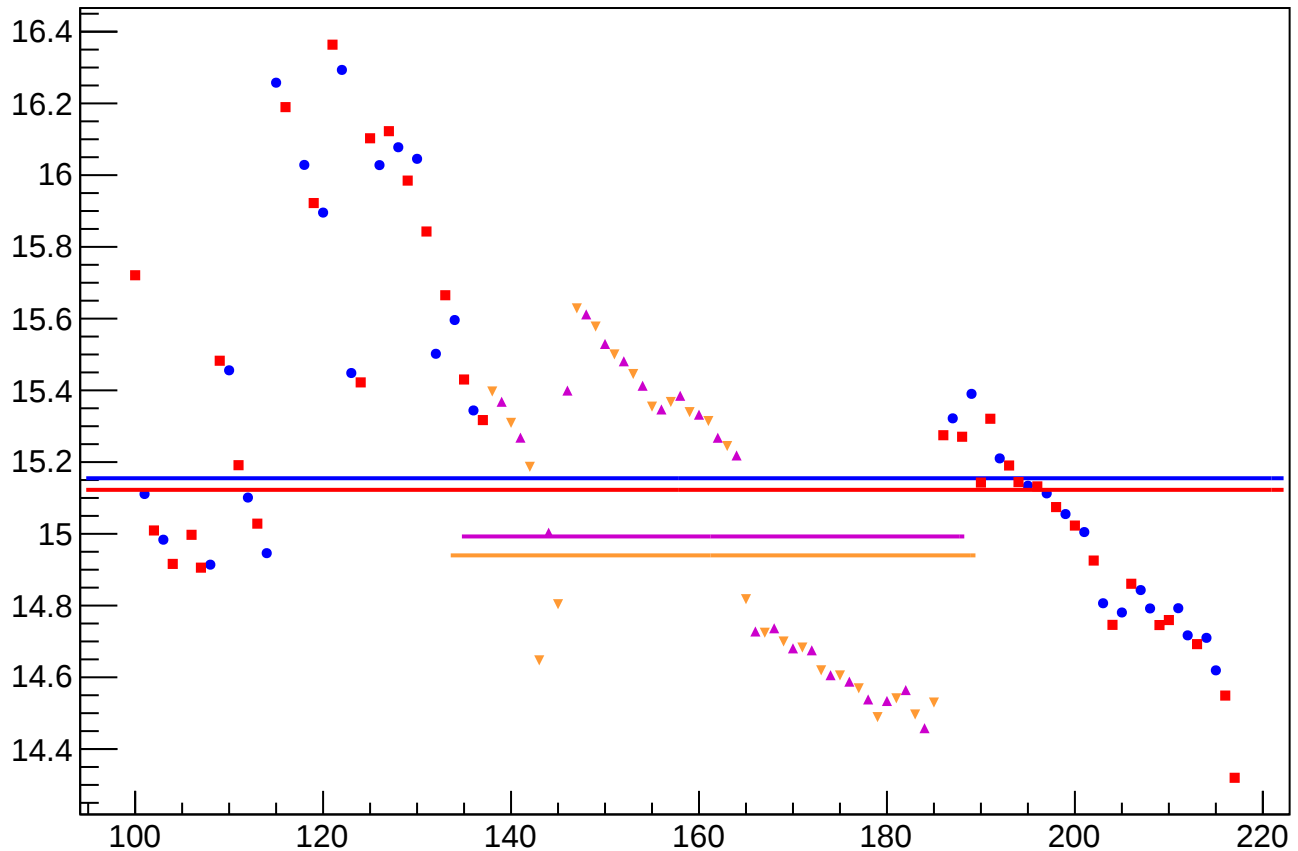
Left In: 271.415+/-0.046 χ^2/NDF : 521877.7/22

+ sign 269.483+/-0.035 χ^2/NDF : 10211906.8/56

All: 262.086+/-0.024 χ^2/NDF : 24269398.4/11

- sign 255.132+/-0.033 χ^2/NDF : 13968426.8/58

yield_sam1_mean vs Slug



Right In: 15.155+/-0.000 χ^2/NDF : 19960980009.1/31

Left Out: 14.940+/-0.000 χ^2/NDF : 24199653913.9/24

Right Out: 15.123+/-0.000 χ^2/NDF : 24026771622.9/35

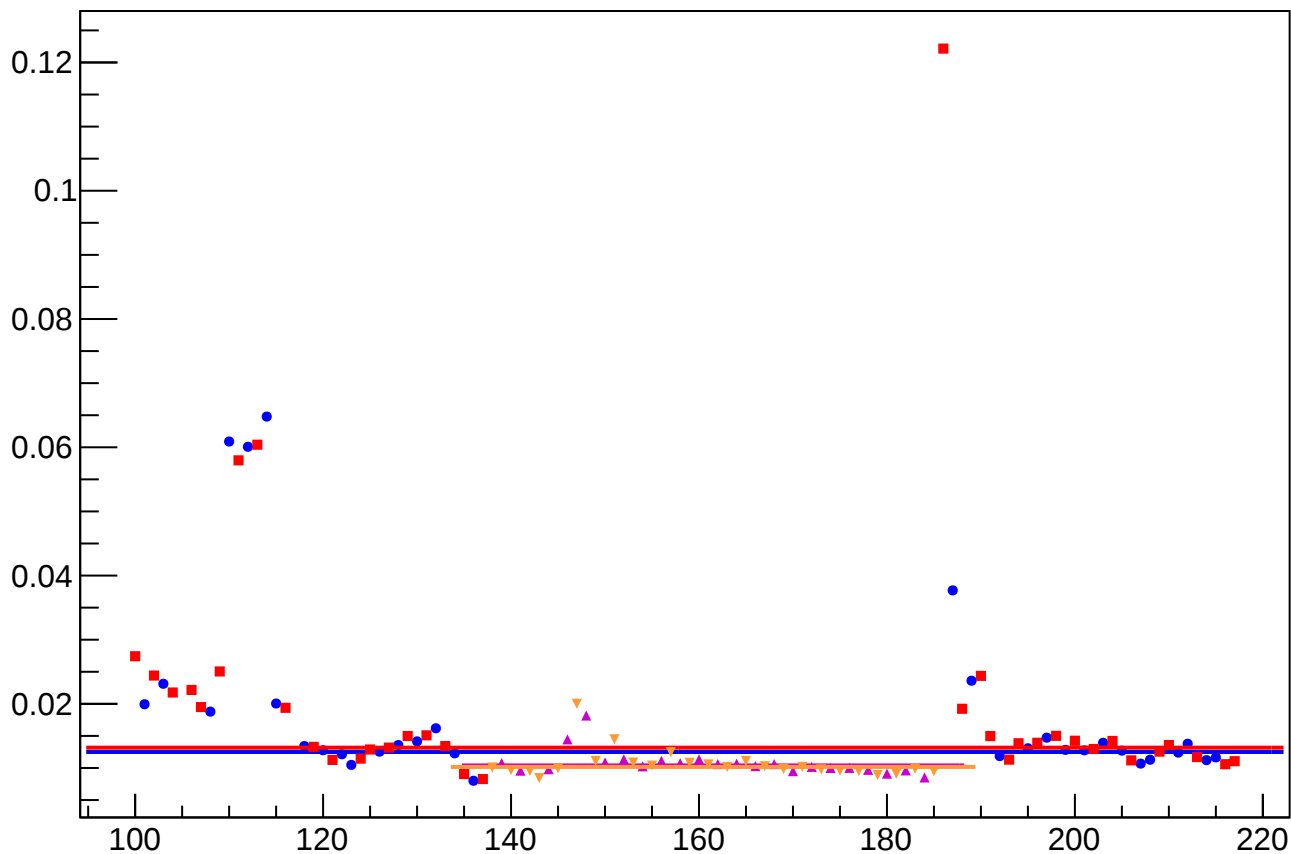
Left In: 14.993+/-0.000 χ^2/NDF : 22023159634.7/22

+ sign 15.019+/-0.000 χ^2/NDF : 47006504729.7/56

All: 15.030+/-0.000 χ^2/NDF : 94096508644.1

- sign 15.042+/-0.000 χ^2/NDF : 47023294621.4/58

yield_sam1_rms vs Slug



Right In: 0.012+/-0.000 χ^2/NDF : 2610237.5/31

Left Out: 0.010+/-0.000 χ^2/NDF : 717351.4/24

Right Out: 0.013+/-0.000 χ^2/NDF : 3283807.3/35

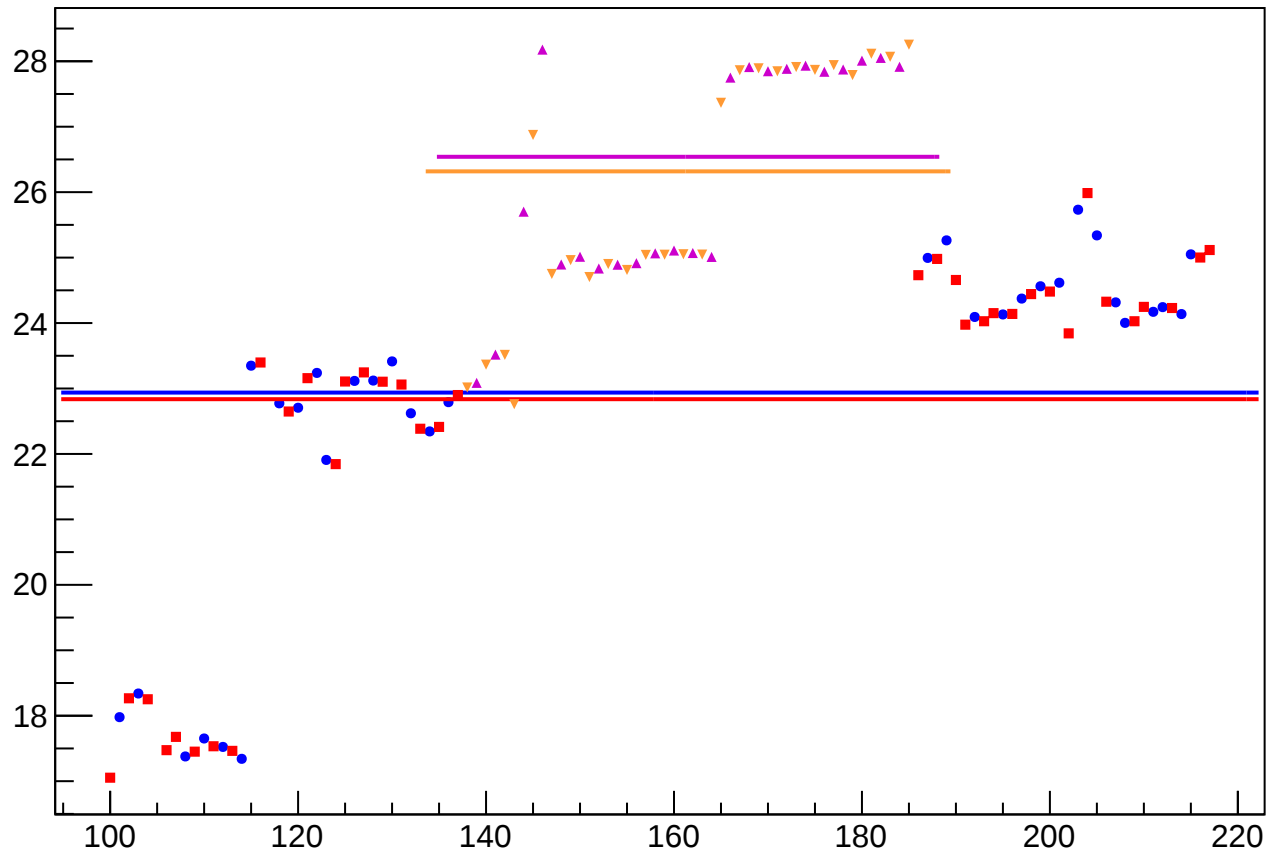
Left In: 0.010+/-0.000 χ^2/NDF : 544268.8/22

+ sign 0.011+/-0.000 χ^2/NDF : 3997163.4/56

All: 0.011+/-0.000 χ^2/NDF : 8755363.9/115

- sign 0.011+/-0.000 χ^2/NDF : 4712234.1/58

yield_sam2_mean vs Slug



Right In: 22.938+/-0.000 χ^2 /NDF: 1432202611.1/31

Left Out: 26.318+/-0.000 χ^2 /NDF: 4715403741.0/24

Right Out: 22.837+/-0.000 χ^2 /NDF: 1720801111.1/35

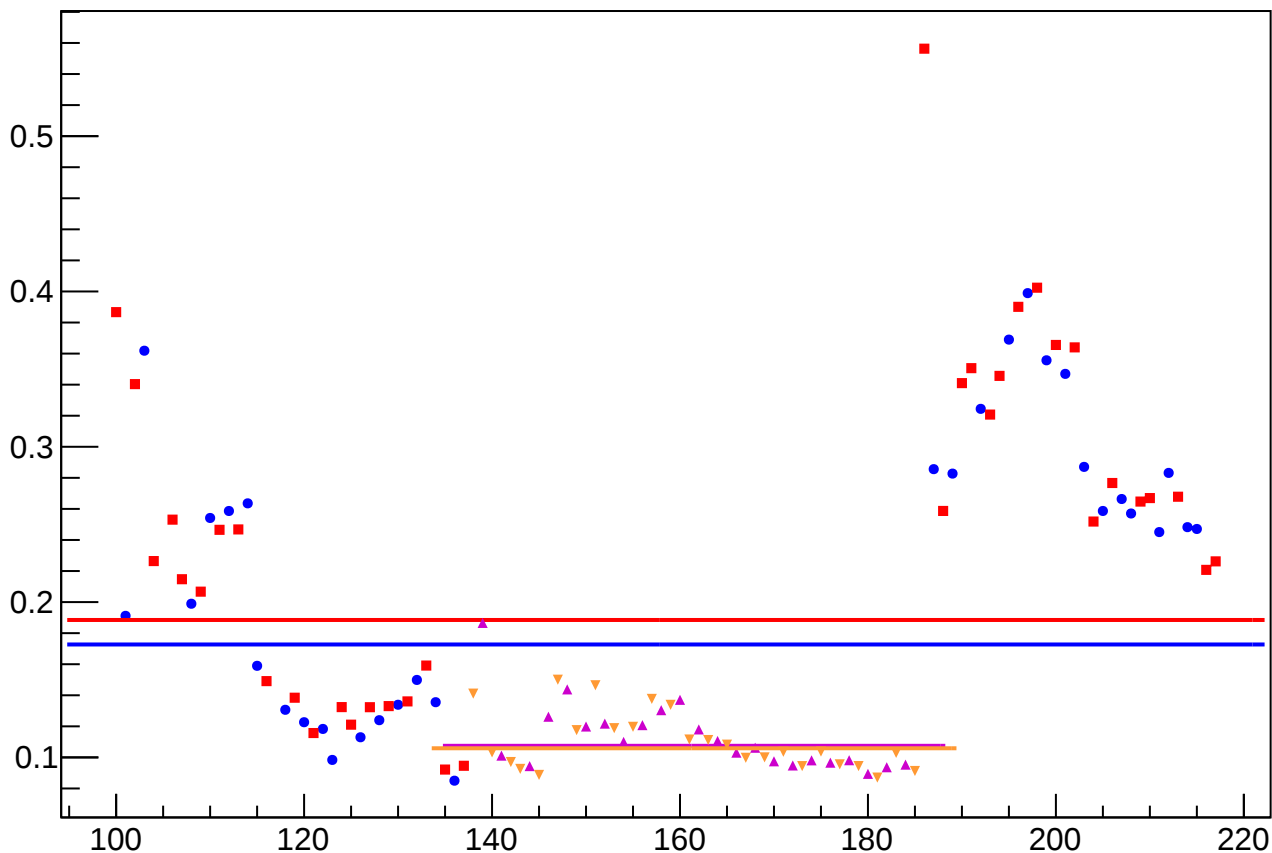
Left In: 26.540+/-0.000 χ^2 /NDF: 3309392772.6/22

+ sign 25.522+/-0.000 χ^2 /NDF: 9939278324.6/56

All: 25.586+/-0.000 χ^2 /NDF: 19234952376.8

- sign 25.655+/-0.000 χ^2 /NDF: 9280187567.9/58

yield_sam2_rms vs Slug



Right In: 0.173+/-0.000 χ^2/NDF : 6423821.3/31

Left Out: 0.106+/-0.000 χ^2/NDF : 732883.8/24

Right Out: 0.188+/-0.000 χ^2/NDF : 6115545.0/35

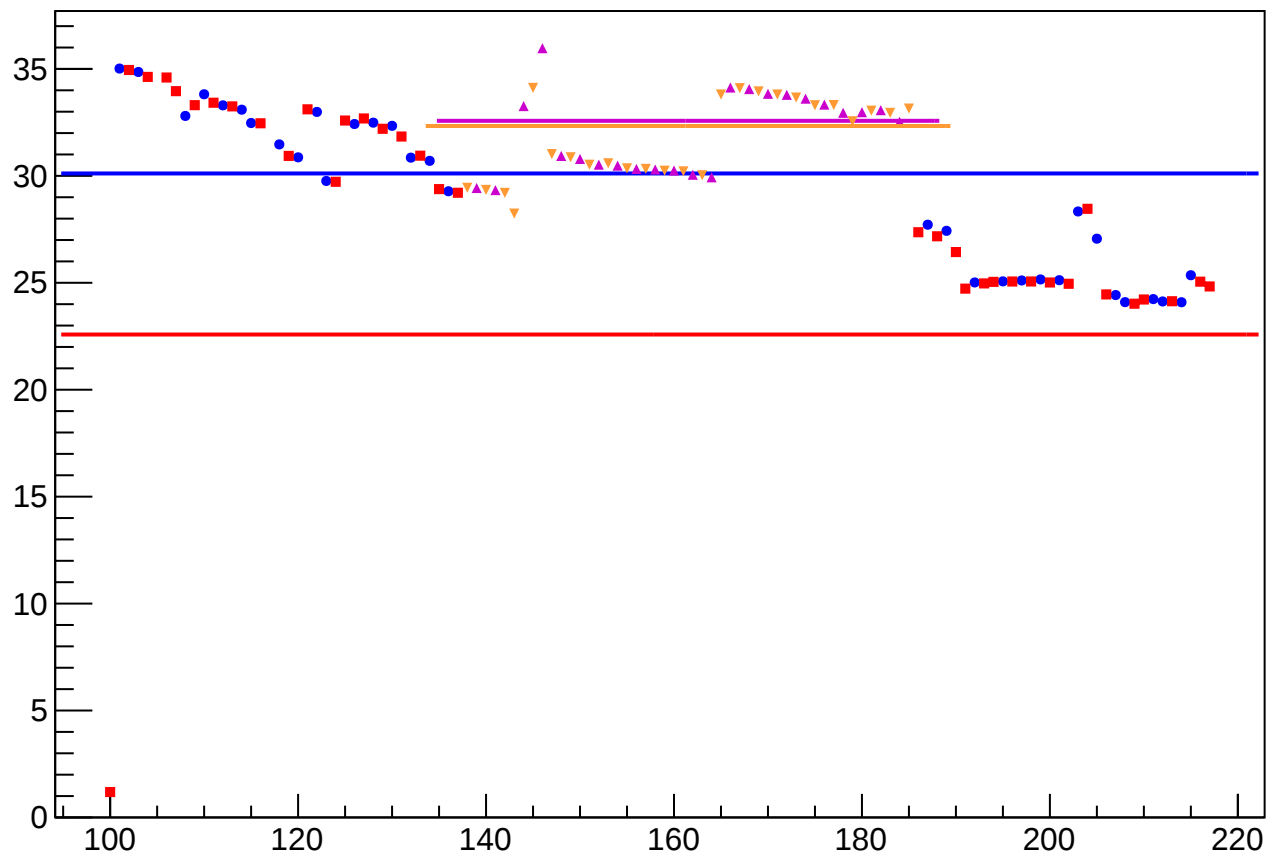
Left In: 0.107+/-0.000 χ^2/NDF : 771132.0/22

+ sign 0.122+/-0.000 χ^2/NDF : 10120983.7/56

All: 0.124+/-0.000 χ^2/NDF : 21123671.8/115

- sign 0.127+/-0.000 χ^2/NDF : 10954113.2/58

yield_sam3_mean vs Slug



Right In: 30.112+/-0.000 χ^2/NDF : 10562312150.3/31

Left Out: 32.331+/-0.000 χ^2/NDF : 12850475096.2/24

Right Out: 22.581+/-0.000 χ^2/NDF : 232570150549.2/35

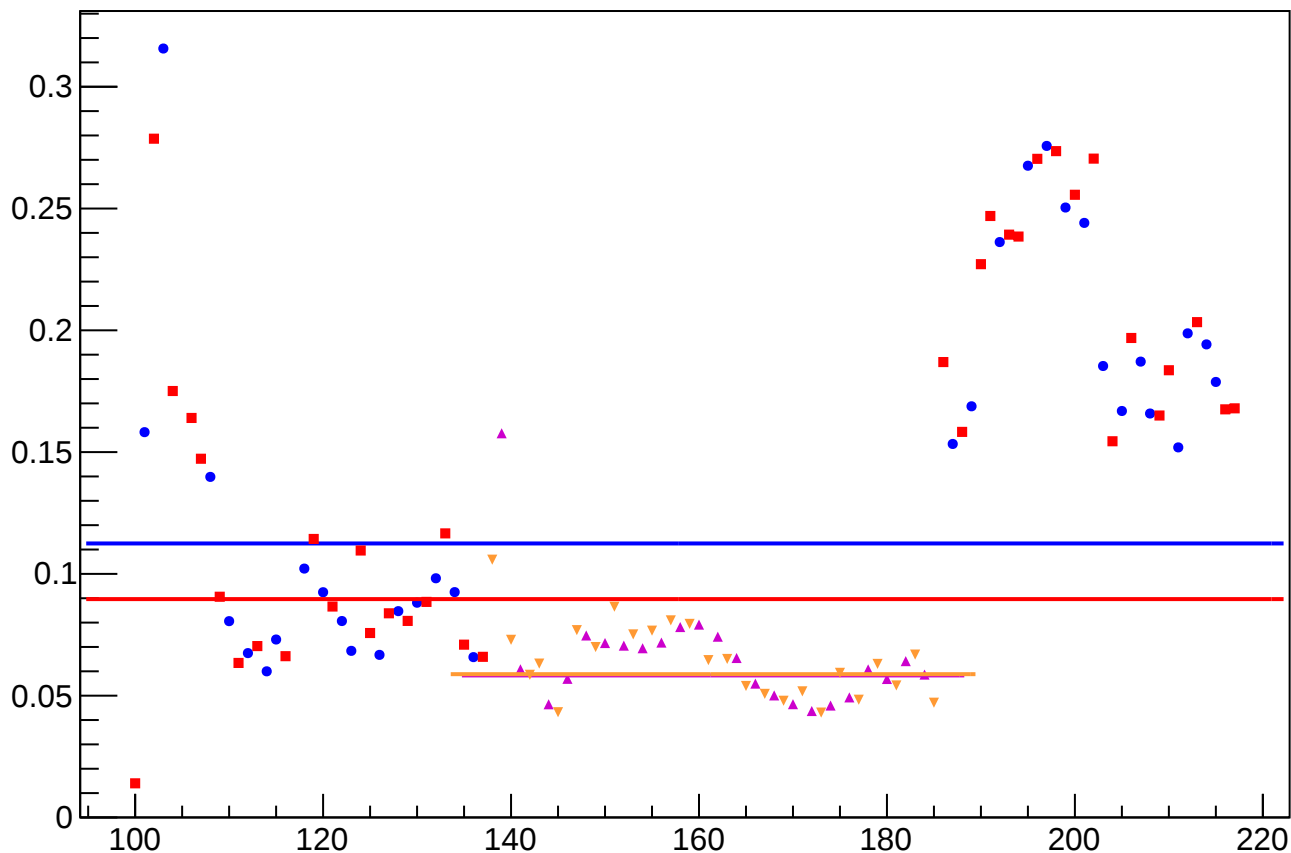
Left In: 32.574+/-0.000 χ^2/NDF : 11797772603.7/22

+ sign 31.901+/-0.000 χ^2/NDF : 27320062894.0/56

All: 30.942+/-0.000 χ^2/NDF : 380999367267.

- sign 30.018+/-0.000 χ^2/NDF : 344502863013.1/58

yield_sam3_rms vs Slug



Right In: 0.112 $\pm$ 0.000 χ^2 /NDF: 6666564.0/31

Left Out: 0.059 $\pm$ 0.000 χ^2 /NDF:1402605.2/24

Right Out: 0.090 $\pm$ 0.000 χ^2 /NDF: 12488087.1/35

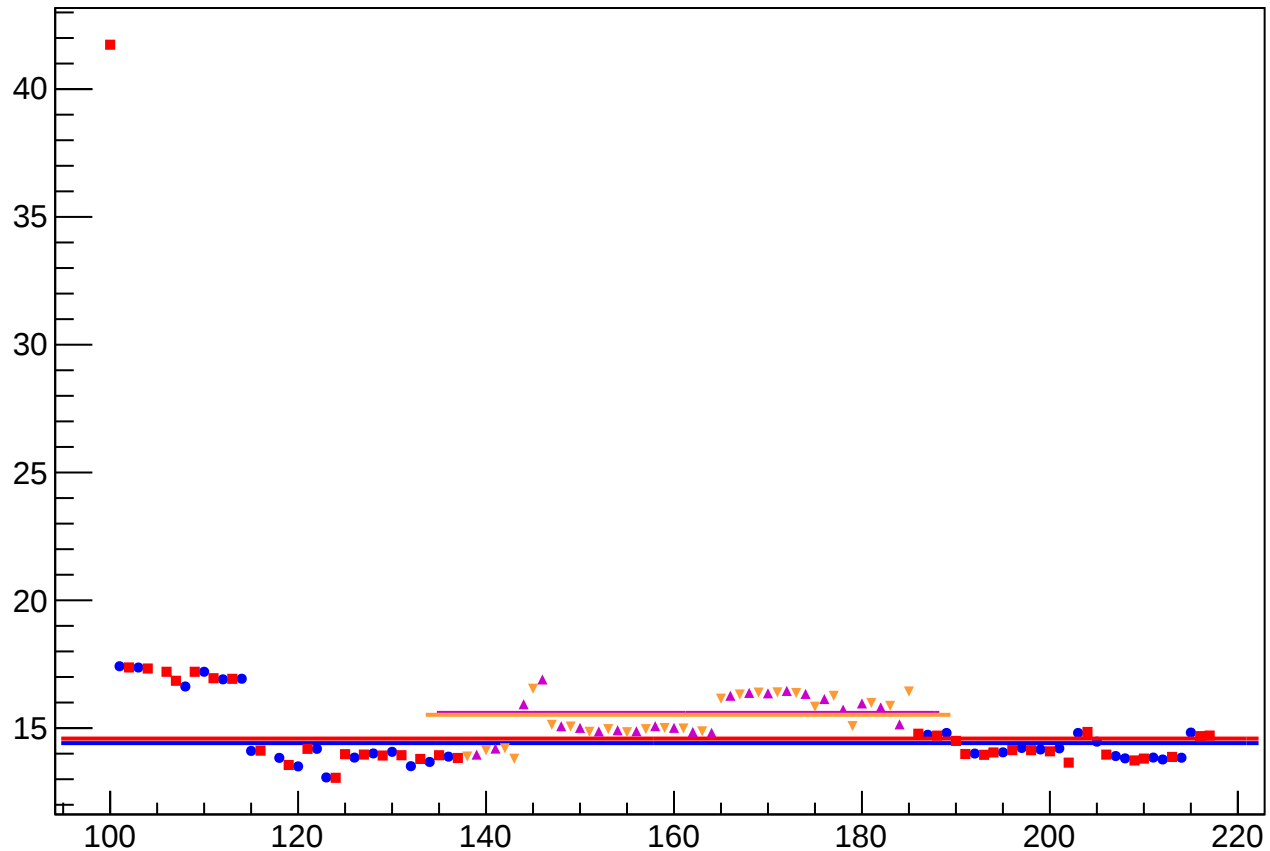
Left In: 0.058 $\pm$ 0.000 χ^2 /NDF:1525476.4/22

+ sign 0.069 $\pm$ 0.000 χ^2 /NDF: 12638894.3/56

All: 0.068 $\pm$ 0.000 χ^2 /NDF: 28664714.2/115

- sign 0.066 $\pm$ 0.000 χ^2 /NDF: 15982560.3/58

yield_sam4_mean vs Slug



Right In: 14.412 $\pm$ 0.000 χ^2 /NDF: 1570781811.0/31

Left Out: 15.521 $\pm$ 0.000 χ^2 /NDF: 2591377740.5/24

Right Out: 14.591 $\pm$ 0.000 χ^2 /NDF: 2039265364.3/35

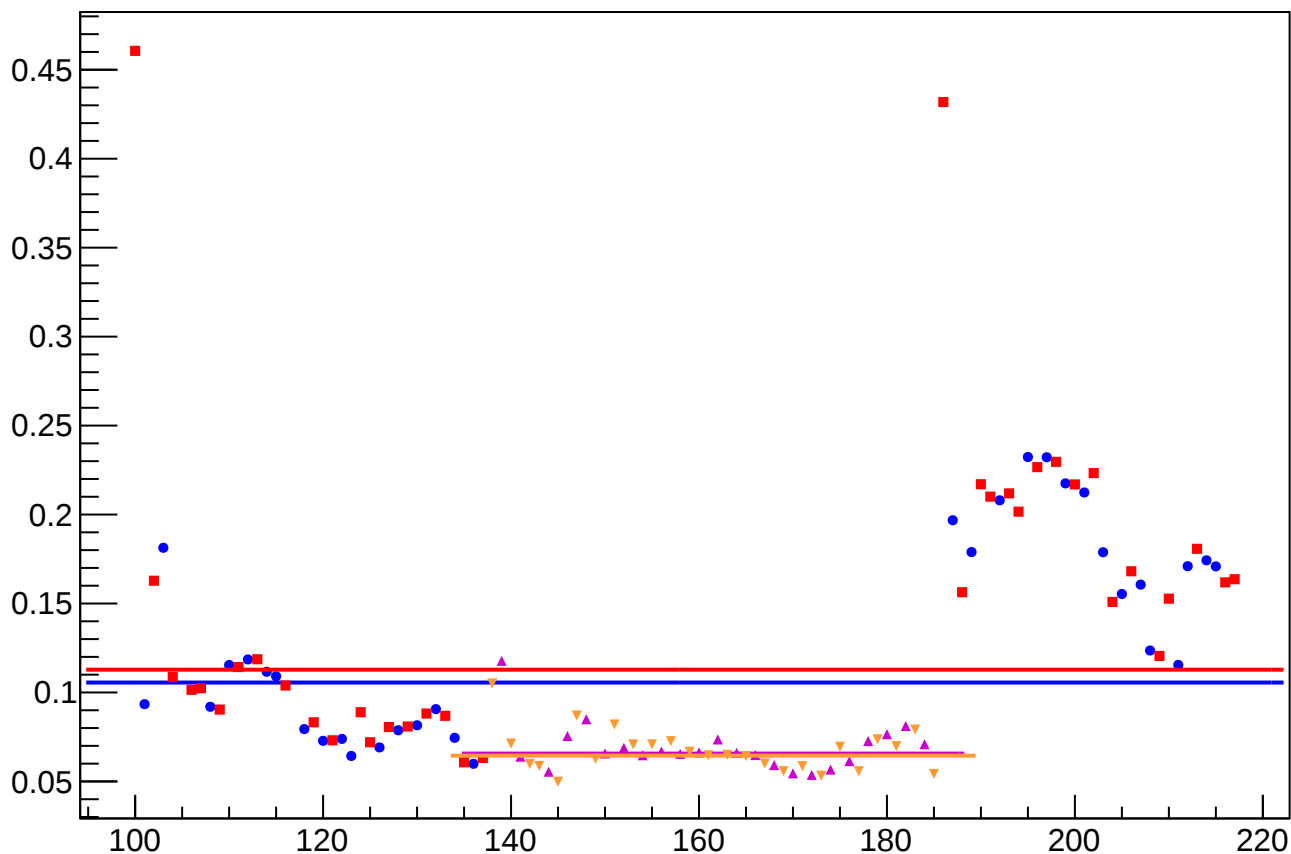
Left In: 15.595 $\pm$ 0.000 χ^2 /NDF: 1908733580.5/22

+ sign 15.251 $\pm$ 0.000 χ^2 /NDF: 5285909269.7/56

All: 15.295 $\pm$ 0.000 χ^2 /NDF: 10127836217.1

- sign 15.342 $\pm$ 0.000 χ^2 /NDF: 4821943854.9/58

yield_sam4_rms vs Slug



Right In: 0.106 $\pm$ 0.000 χ^2 /NDF: 5542777.0/31

Left Out: 0.064 $\pm$ 0.000 χ^2 /NDF: 761552.3/24

Right Out: 0.113 $\pm$ 0.000 χ^2 /NDF: 5620105.9/35

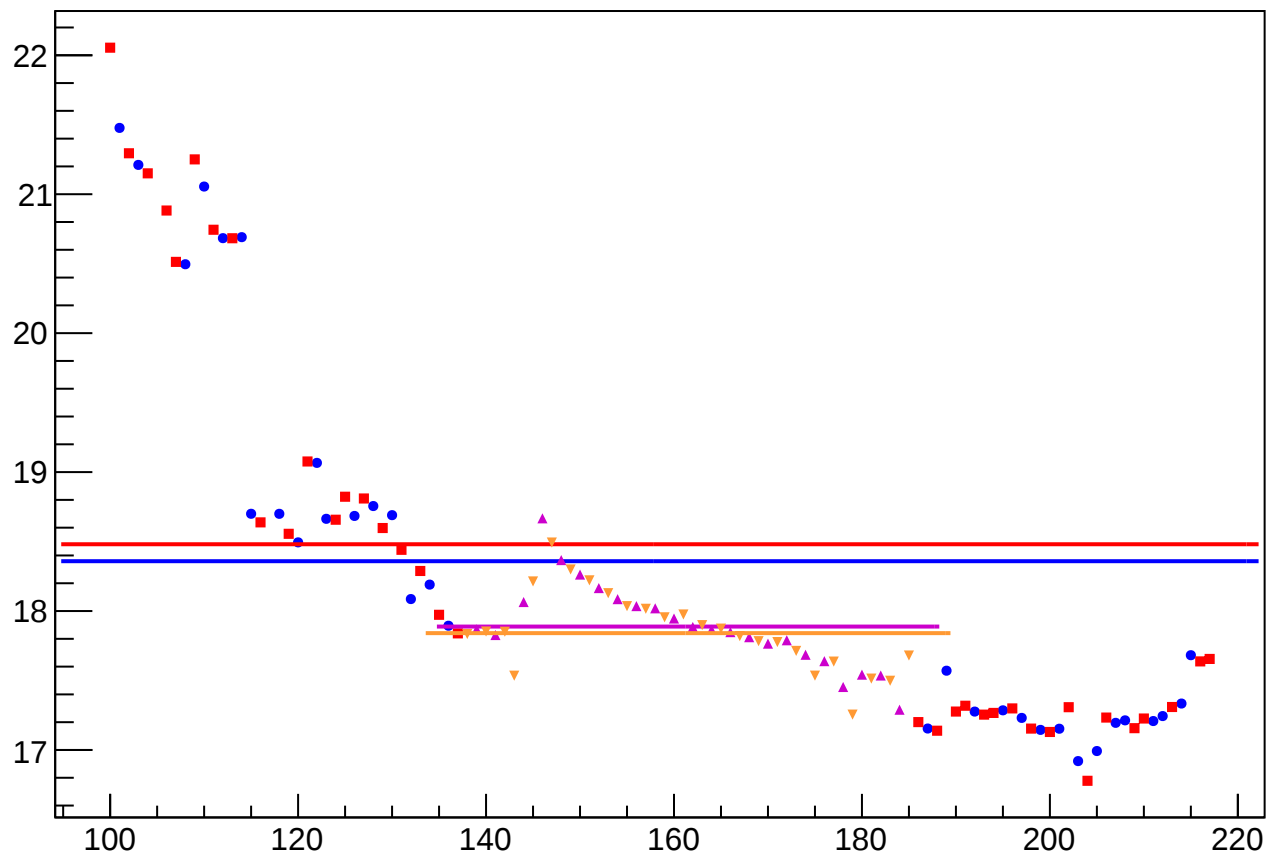
Left In: 0.066 $\pm$ 0.000 χ^2 /NDF: 714703.1/22

+ sign 0.075 $\pm$ 0.000 χ^2 /NDF: 9391710.2/56

All: 0.076 $\pm$ 0.000 χ^2 /NDF: 19621791.5/115

- sign 0.078 $\pm$ 0.000 χ^2 /NDF: 10186815.5/58

yield_sam5_mean vs Slug



Right In: 18.359 $\pm$ 0.000 χ^2 /NDF: 32428001734.0/31

Left Out: 17.841 $\pm$ 0.000 χ^2 /NDF: 1283287989.7/24

Right Out: 18.481 $\pm$ 0.000 χ^2 /NDF: 34707389050.5/35

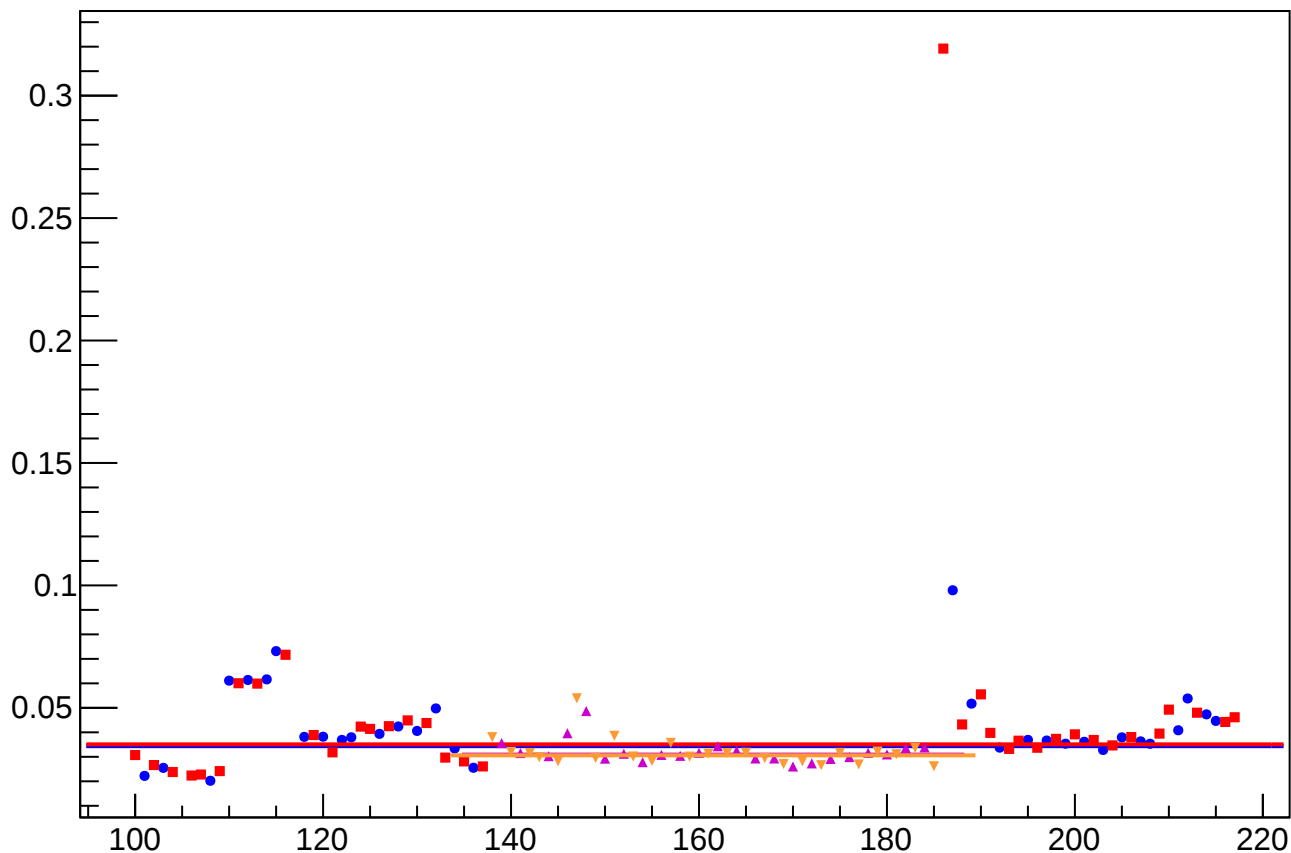
Left In: 17.888 $\pm$ 0.000 χ^2 /NDF: 1203002311.3/22

+ sign 18.054 $\pm$ 0.000 χ^2 /NDF: 35770342811.3/56

All: 18.099 $\pm$ 0.000 χ^2 /NDF: 74455856890.6

- sign 18.145 $\pm$ 0.000 χ^2 /NDF: 38556174118.4/58

yield_sam5_rms vs Slug



Right In: 0.034 $\pm$ 0.000 χ^2 /NDF: 2185016.3/31

Left Out: 0.031 $\pm$ 0.000 χ^2 /NDF:590475.6/24

Right Out: 0.035 $\pm$ 0.000 χ^2 /NDF: 2585090.6/35

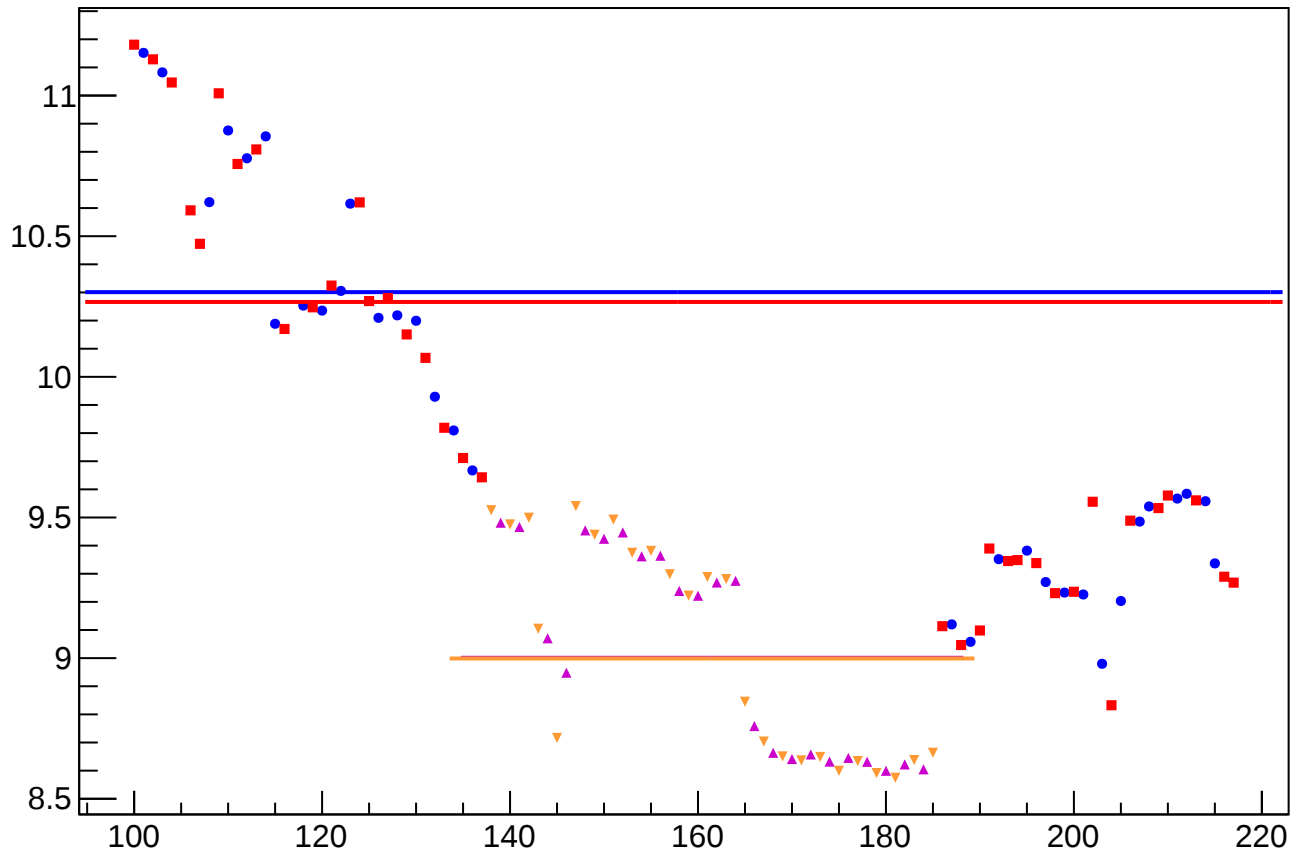
Left In: 0.031 $\pm$ 0.000 χ^2 /NDF:453524.6/22

+ sign 0.032 $\pm$ 0.000 χ^2 /NDF: 2990244.4/56

All: 0.032 $\pm$ 0.000 χ^2 /NDF: 6303647.4/115

- sign 0.033 $\pm$ 0.000 χ^2 /NDF: 3303209.9/58

yield_sam6_mean vs Slug



Right In: 10.301 $\pm$ 0.000 χ^2 /NDF: 16585449939.9/31

Left Out: 8.999 $\pm$ 0.000 χ^2 /NDF: 6392583736.5/24

Right Out: 10.266 $\pm$ 0.000 χ^2 /NDF: 15923702272.3/35

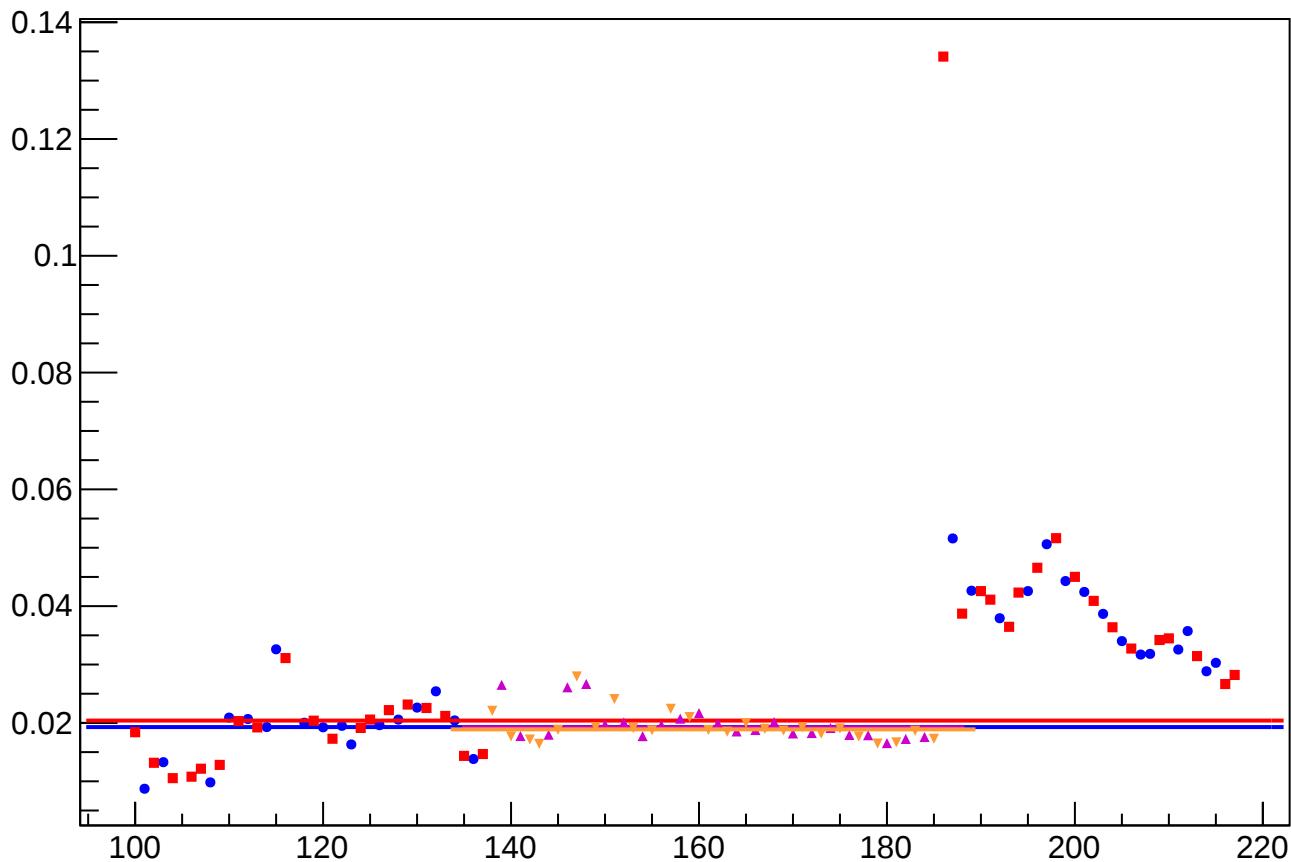
Left In: 9.001 $\pm$ 0.000 χ^2 /NDF: 5314536205.4/22

+ sign 9.545 $\pm$ 0.000 χ^2 /NDF: 56382250515.8/56

All: 9.551 $\pm$ 0.000 χ^2 /NDF: 107753247481.9

- sign 9.558 $\pm$ 0.000 χ^2 /NDF: 51364442418.0/58

yield_sam6_rms vs Slug



Right In: 0.019 $\pm$ 0.000 χ^2 /NDF: 7520458.7/31

Left Out: 0.019 $\pm$ 0.000 χ^2 /NDF:428169.5/24

Right Out: 0.020 $\pm$ 0.000 χ^2 /NDF: 7401948.0/35

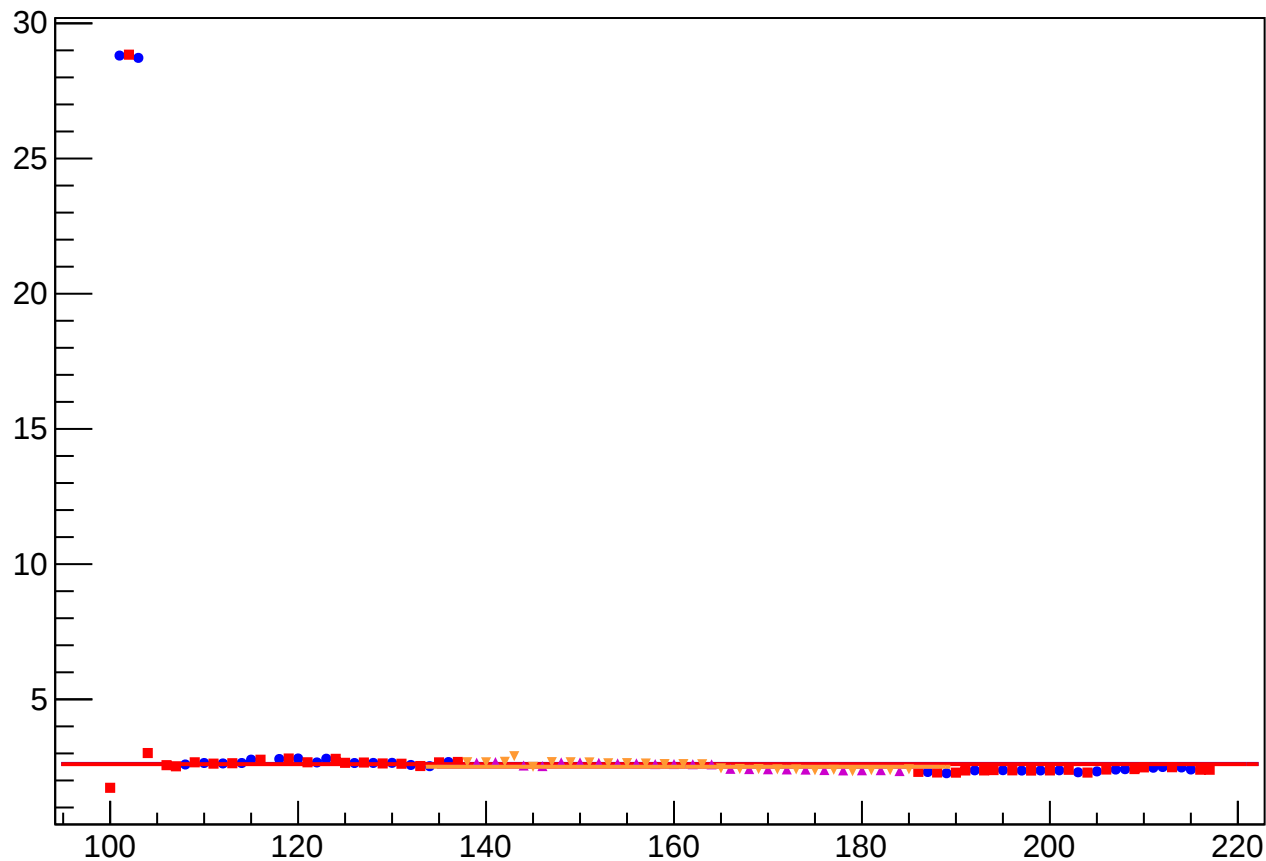
Left In: 0.019 $\pm$ 0.000 χ^2 /NDF:481824.0/22

+ sign 0.019 $\pm$ 0.000 χ^2 /NDF: 7954612.4/56

All: 0.019 $\pm$ 0.000 χ^2 /NDF: 15926945.9/115

- sign 0.020 $\pm$ 0.000 χ^2 /NDF: 7935849.0/58

yield_sam7_mean vs Slug



Right In: 2.612 $\pm$ 0.000 χ^2 /NDF: 183257700508.2/31

Left Out: 2.507 $\pm$ 0.000 χ^2 /NDF: 64277969186.7/24

Right Out: 2.604 $\pm$ 0.000 χ^2 /NDF: 94198806881.7/35

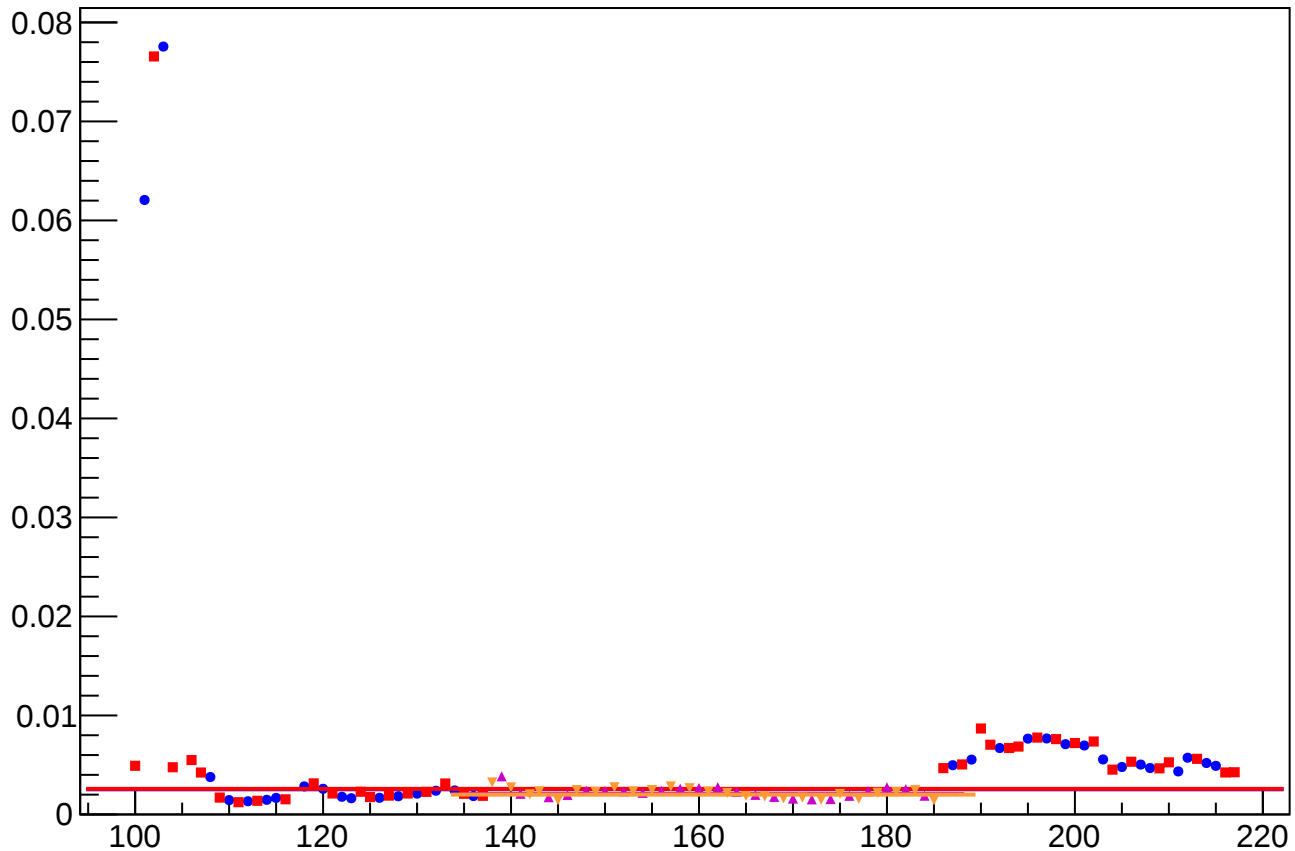
Left In: 2.505 $\pm$ 0.000 χ^2 /NDF: 42893630742.5/22

+ sign 2.540 $\pm$ 0.000 χ^2 /NDF: 260170549397.0/56

All: 2.540 $\pm$ 0.000 χ^2 /NDF: 408394682393.2

- sign 2.540 $\pm$ 0.000 χ^2 /NDF: 148224126037.2/58

yield_sam7_rms vs Slug



Right In: 0.003 $\pm$ 0.000 χ^2 /NDF: 10550851.7/31

Left Out: 0.002 $\pm$ 0.000 χ^2 /NDF:1469103.5/24

Right Out: 0.003 $\pm$ 0.000 χ^2 /NDF: 10766561.2/35

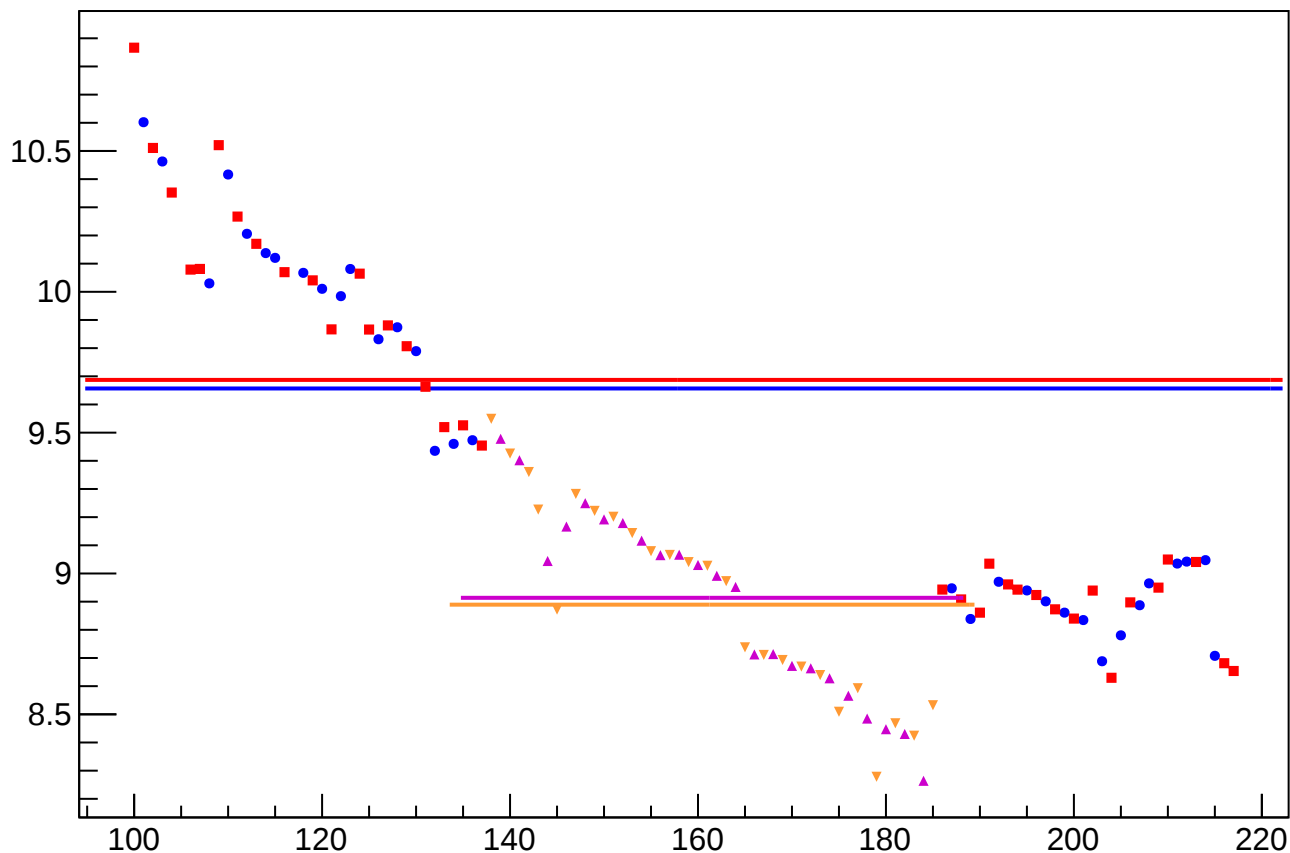
Left In: 0.002 $\pm$ 0.000 χ^2 /NDF:1303230.9/22

+ sign 0.002 $\pm$ 0.000 χ^2 /NDF: 12677452.7/56

All: 0.002 $\pm$ 0.000 χ^2 /NDF: 25406266.1/115

- sign 0.002 $\pm$ 0.000 χ^2 /NDF: 12705008.4/58

yield_sam8_mean vs Slug



Right In: 9.657 $\pm$ 0.000 χ^2 /NDF: 85058672175.4/31

Left Out: 8.889 $\pm$ 0.000 χ^2 /NDF: 34704694045.9/24

Right Out: 9.687 $\pm$ 0.000 χ^2 /NDF: 109656091065.1/35

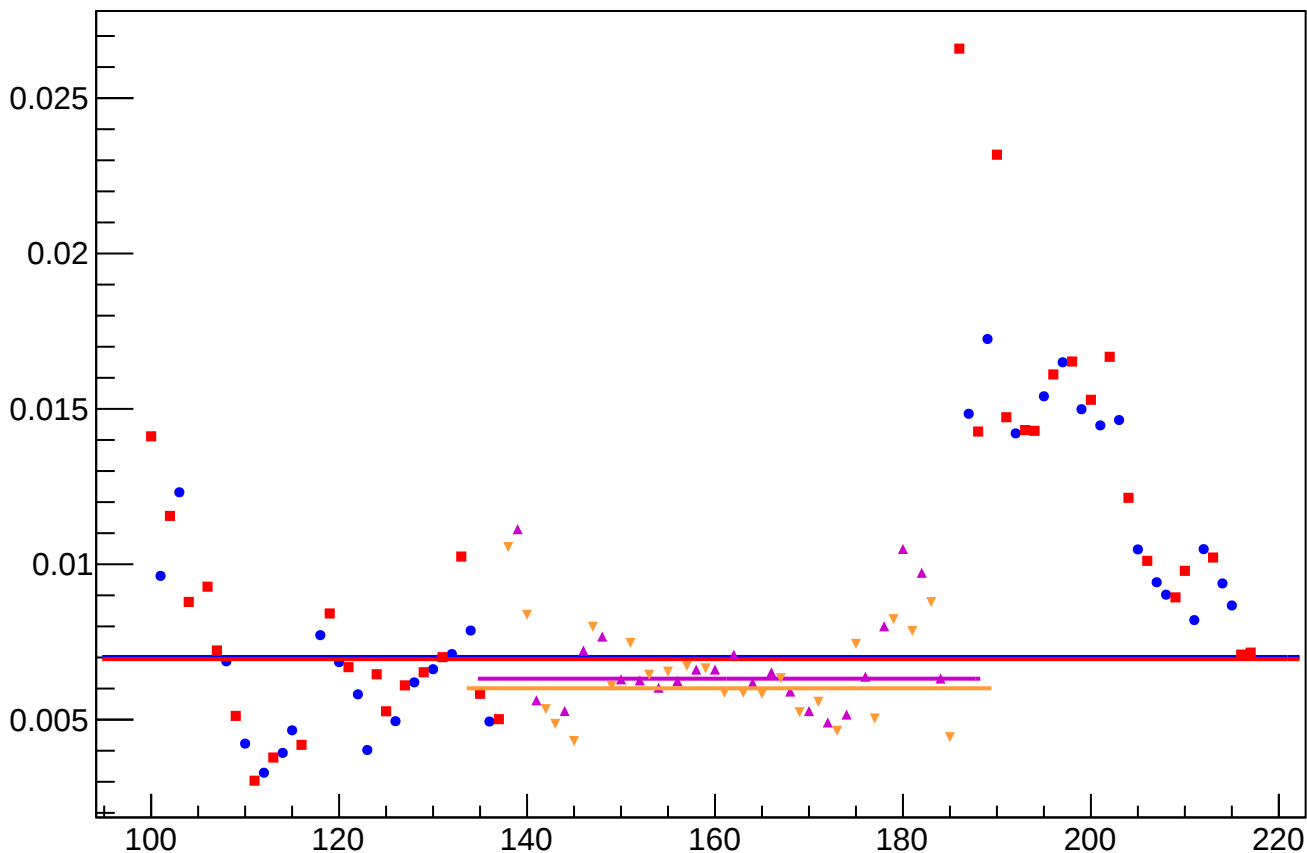
Left In: 8.914 $\pm$ 0.000 χ^2 /NDF: 28497227562.7/22

+ sign 9.192 $\pm$ 0.000 χ^2 /NDF: 213133221673.4/56

All: 9.224 $\pm$ 0.000 χ^2 /NDF: 445590696034.5

- sign 9.258 $\pm$ 0.000 χ^2 /NDF: 231012142856.6/58

yield_sam8_rms vs Slug



Right In: 0.007 $\pm$ 0.000 χ^2 /NDF: 6093376.6/31

Left Out: 0.006 $\pm$ 0.000 χ^2 /NDF:1312525.9/24

Right Out: 0.007 $\pm$ 0.000 χ^2 /NDF: 7552942.9/35

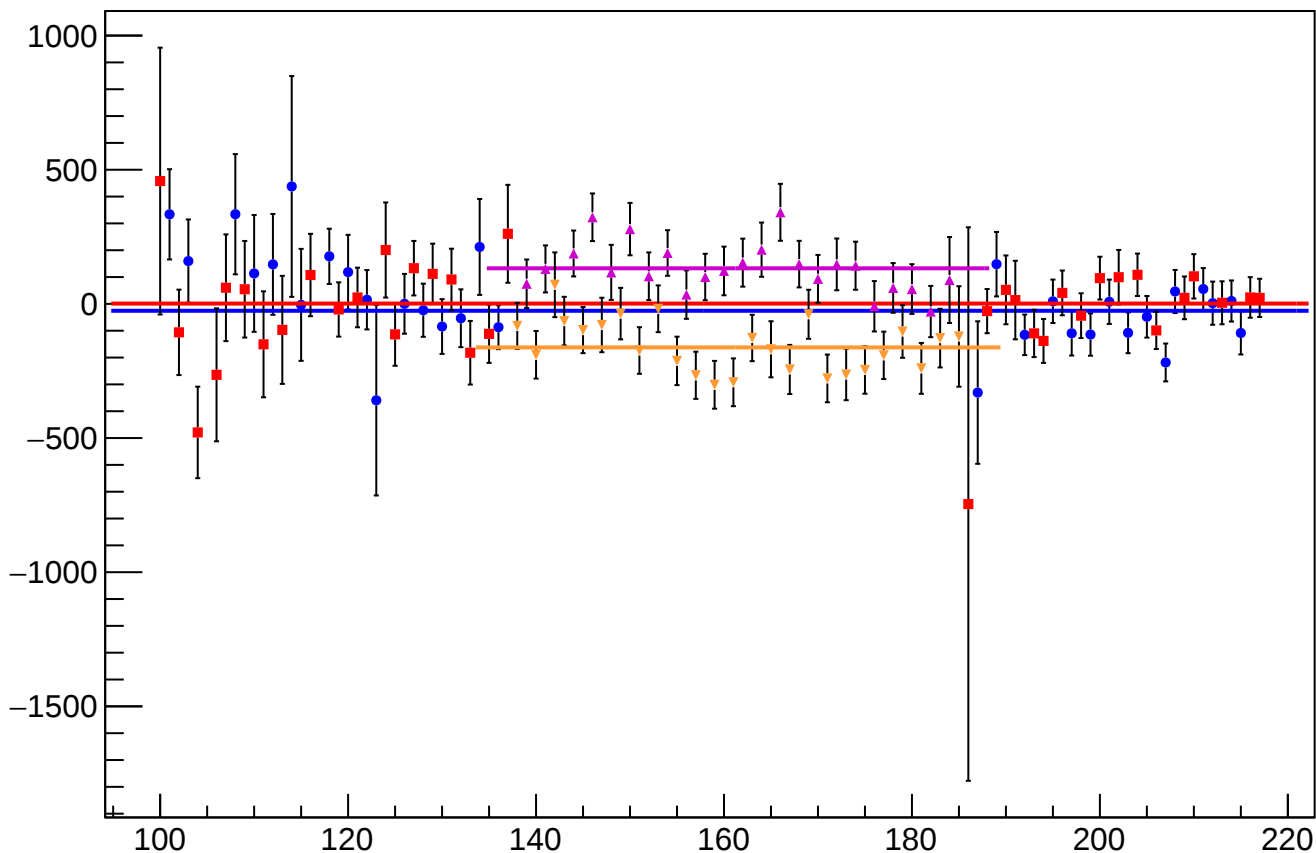
Left In: 0.006 $\pm$ 0.000 χ^2 /NDF:1087051.3/22

+ sign 0.006 $\pm$ 0.000 χ^2 /NDF: 7727549.0/56

All: 0.006 $\pm$ 0.000 χ^2 /NDF: 16514342.0/115

- sign 0.007 $\pm$ 0.000 χ^2 /NDF: 8762809.1/58

reg_asym_sam1_mean vs Slug



Right In: -25.669 ± 17.787 χ^2/NDF : 39.3/31

Left Out: -162.161 ± 18.745 χ^2/NDF : 25.7/24

Right Out: 1.185 ± 17.569 χ^2/NDF : 36.8/35

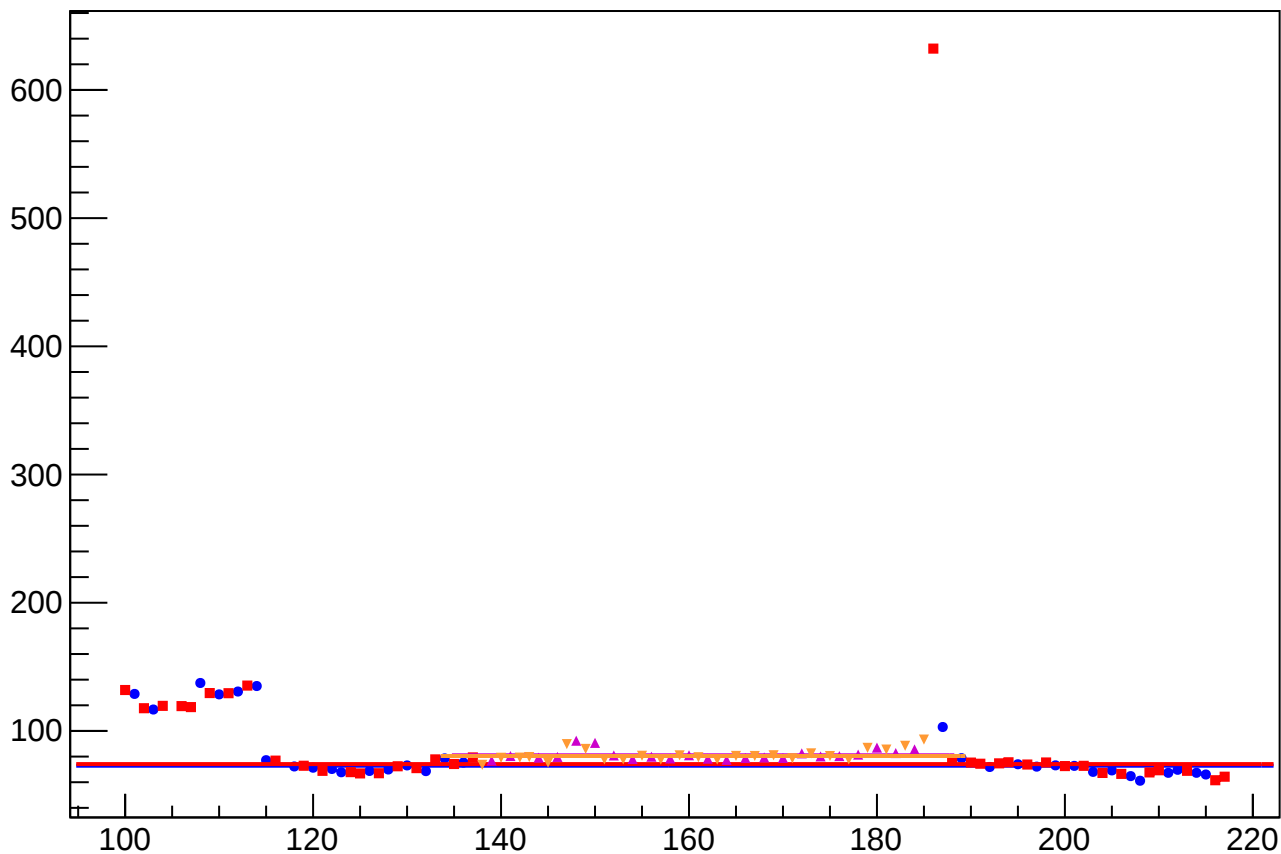
Left In: 132.557 ± 19.403 χ^2/NDF : 20.7/22

+ sign -90.341 ± 12.903 χ^2/NDF : 92.9/56

All: -15.687 ± 9.166 χ^2/NDF : 243.2/115

- sign 60.368 ± 13.023 χ^2/NDF : 82.7/58

reg_asym_sam1_rms vs Slug



Right In: 72.882+/-0.013 χ^2/NDF : 1078429.3/31

Left Out: 80.459+/-0.013 χ^2/NDF : 89942.2/24

Right Out: 74.146+/-0.012 χ^2/NDF : 1801659.4/35

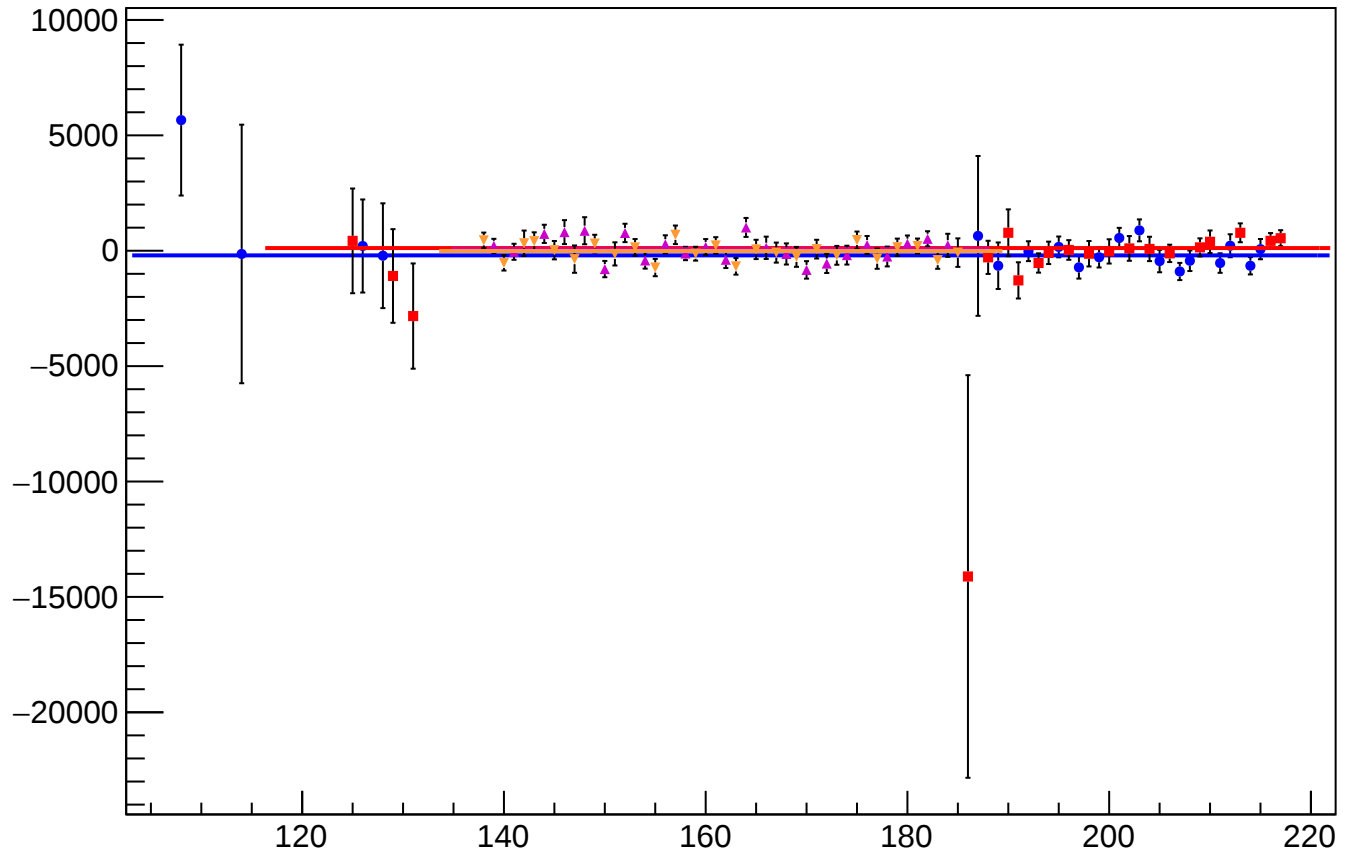
Left In: 81.014+/-0.014 χ^2/NDF : 72250.2/22

+ sign 76.472+/-0.009 χ^2/NDF : 1340325.9/56

All: 76.852+/-0.006 χ^2/NDF : 3355449.4/115

- sign 77.240+/-0.009 χ^2/NDF : 2011614.4/58

asym_sam1_correction_mean vs Slug



Right In: -200.977 ± 120.171 χ^2/NDF : 20.9/18

Left Out: -10.486 ± 78.391 χ^2/NDF : 22.5/24

Right Out: 116.280 ± 115.094 χ^2/NDF : 17.2/19

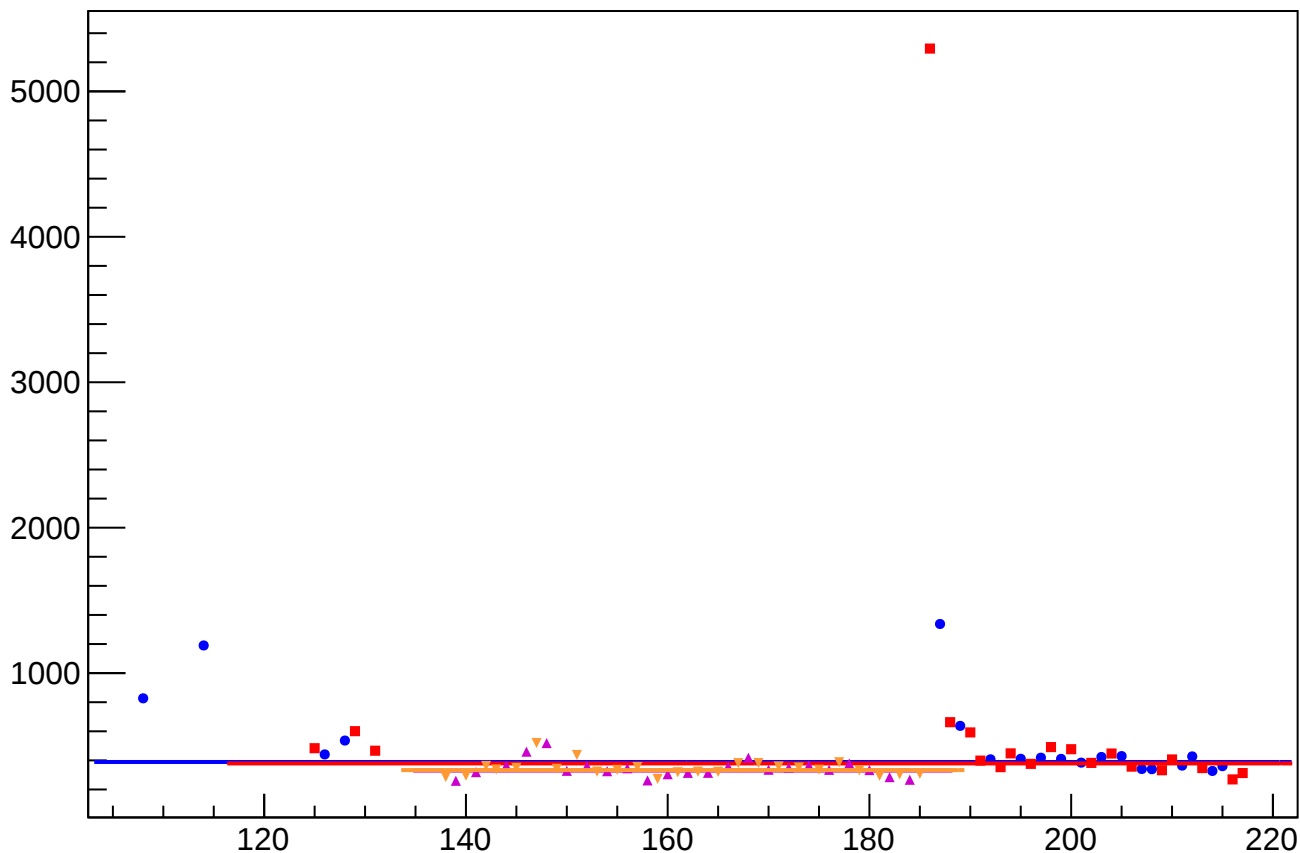
Left In: 64.591 ± 80.047 χ^2/NDF : 37.4/22

+ sign -67.349 ± 65.656 χ^2/NDF : 45.2/43

All: 6.979 ± 46.447 χ^2/NDF : 102.5/86

- sign 81.442 ± 65.716 χ^2/NDF : 54.7/42

asym_sam1_correction_rms vs Slug



Right In: 389.068 $\pm$ 0.085 χ^2 /NDF: 541911.0/18

Left Out: 333.233 $\pm$ 0.055 χ^2 /NDF: 592122.2/24

Right Out: 379.093 $\pm$ 0.081 χ^2 /NDF: 1640120.5/19

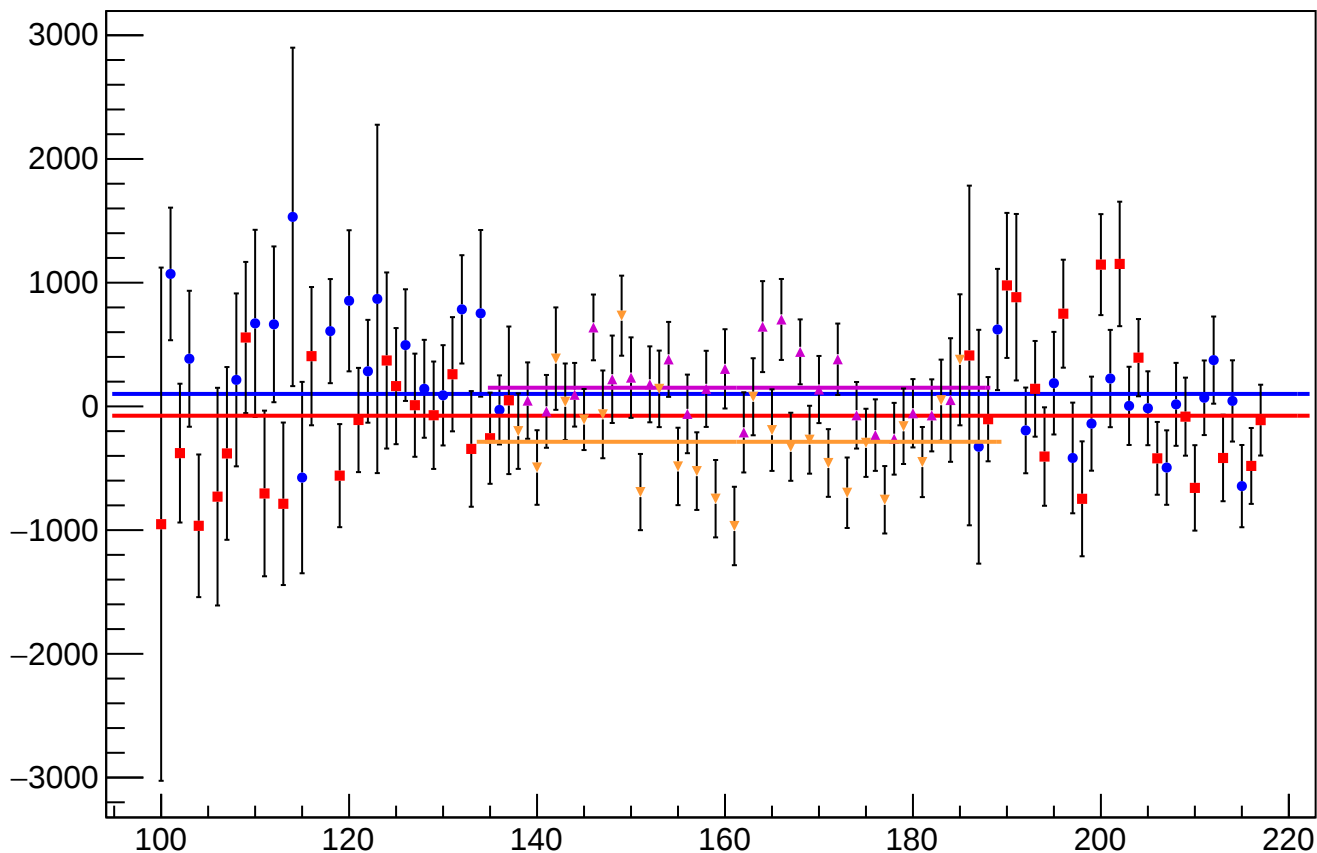
Left In: 329.985 $\pm$ 0.057 χ^2 /NDF: 795969.0/22

+ sign 349.900 $\pm$ 0.046 χ^2 /NDF: 1436913.8/43

All: 347.949 $\pm$ 0.033 χ^2 /NDF: 4121938.3/86

- sign 345.995 $\pm$ 0.046 χ^2 /NDF: 2681489.5/42

reg_asym_sam2_mean vs Slug



Right In: 100.900 ± 73.657 $\chi^2/\text{NDF}: 28.7/31$

Left Out: -286.030 ± 61.095 $\chi^2/\text{NDF}: 36.6/24$

Right Out: -75.309 ± 73.131 $\chi^2/\text{NDF}: 46.8/35$

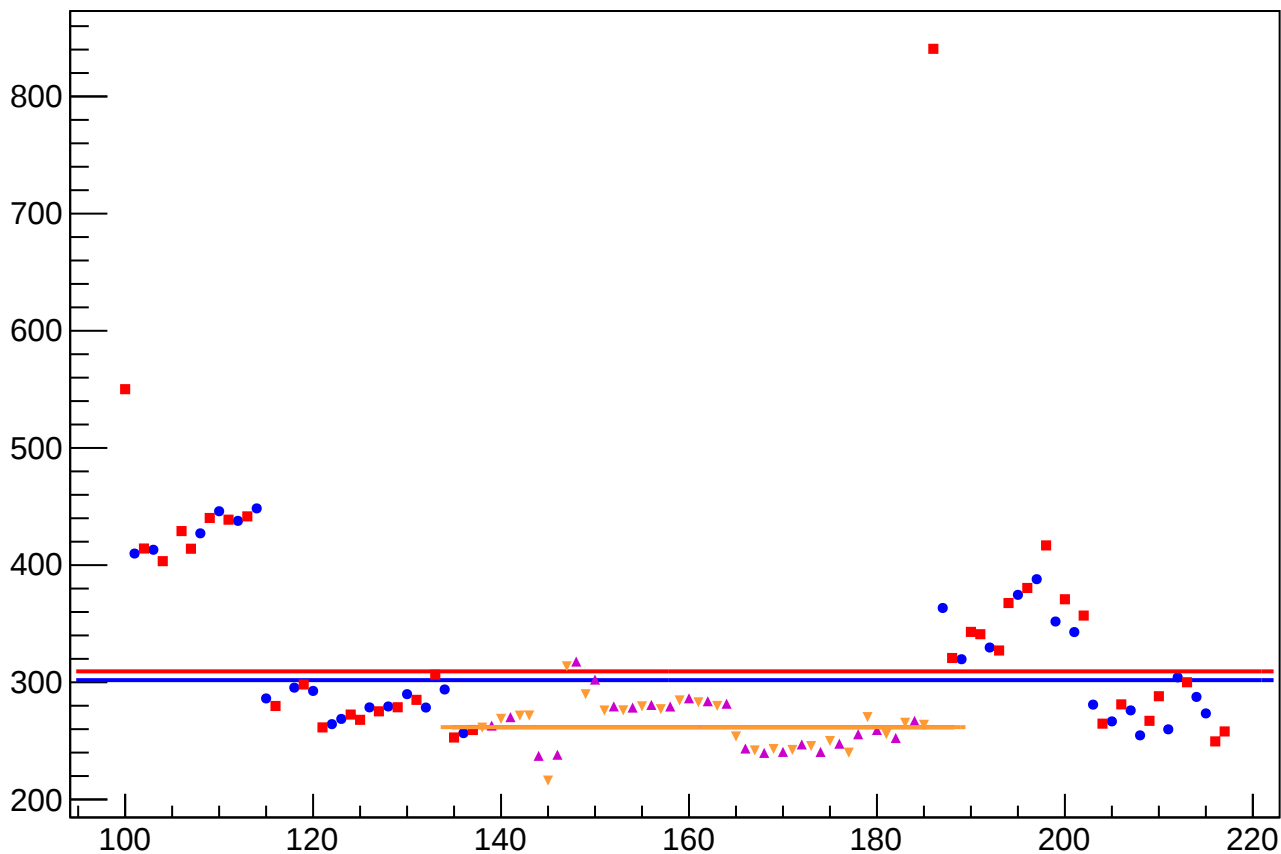
Left In: 150.920 ± 62.818 $\chi^2/\text{NDF}: 18.7/22$

+ sign -128.326 ± 47.024 $\chi^2/\text{NDF}: 81.6/56$

All: -37.943 ± 33.471 $\chi^2/\text{NDF}: 160.1/115$

- sign 54.869 ± 47.651 $\chi^2/\text{NDF}: 71.0/58$

reg_asym_sam2_rms vs Slug



Right In: 301.837 ± 0.052 χ^2/NDF : 872125.8/31

Left Out: 261.722 ± 0.043 χ^2/NDF : 233222.6/24

Right Out: 309.325 ± 0.052 χ^2/NDF : 1451308.5/35

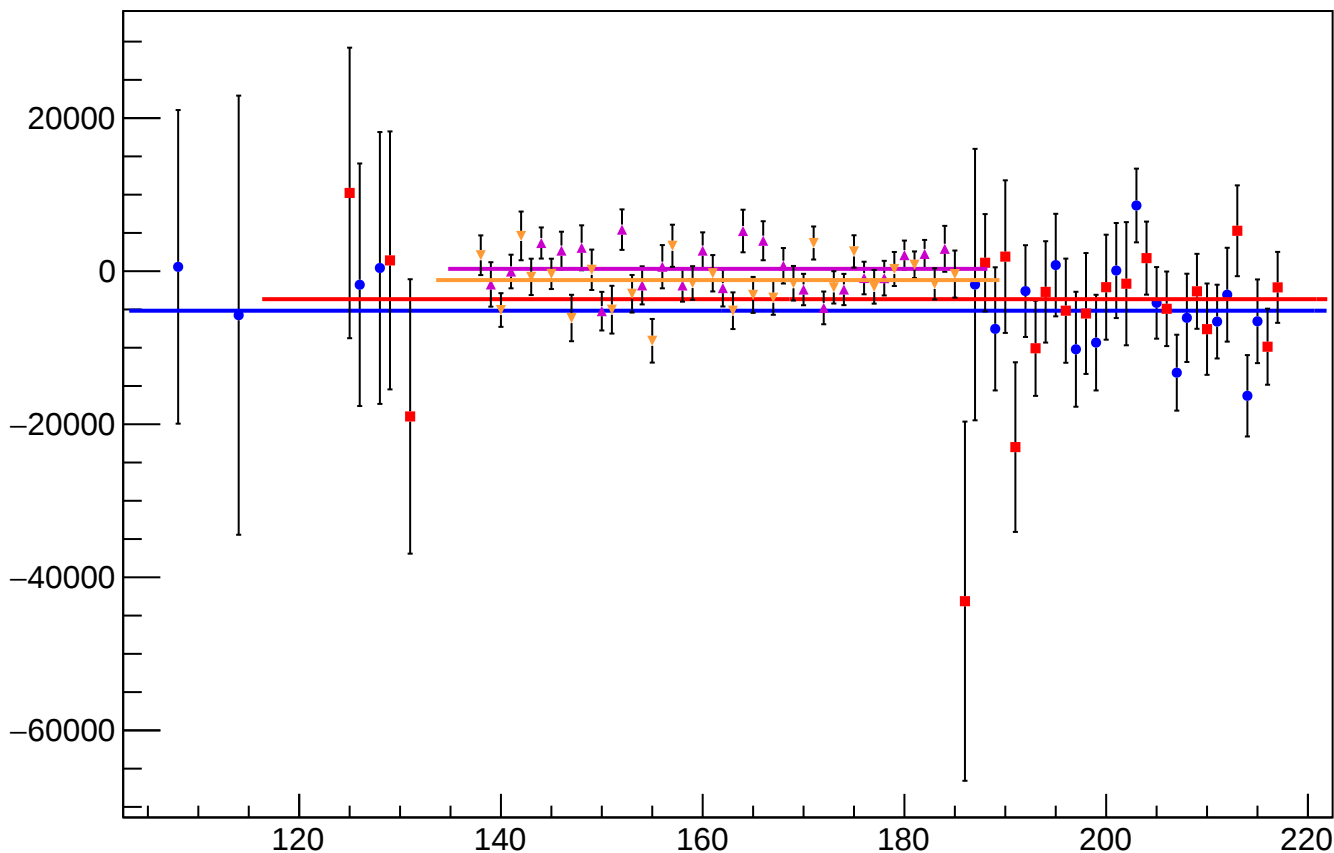
Left In: 261.637 ± 0.044 χ^2/NDF : 228241.3/22

+ sign 278.072 ± 0.033 χ^2/NDF : 1456794.3/56

All: 279.953 ± 0.024 χ^2/NDF : 3632208.8/115

- sign 281.884 ± 0.034 χ^2/NDF : 2168929.7/58

asym_sam2_correction_mean vs Slug



Right In: -5164.167 ± 1496.132 χ^2/NDF : 18.5/18

Left Out: -1161.443 ± 469.036 χ^2/NDF : 38.8/24

Right Out: -3655.109 ± 1493.449 χ^2/NDF : 15.1/19

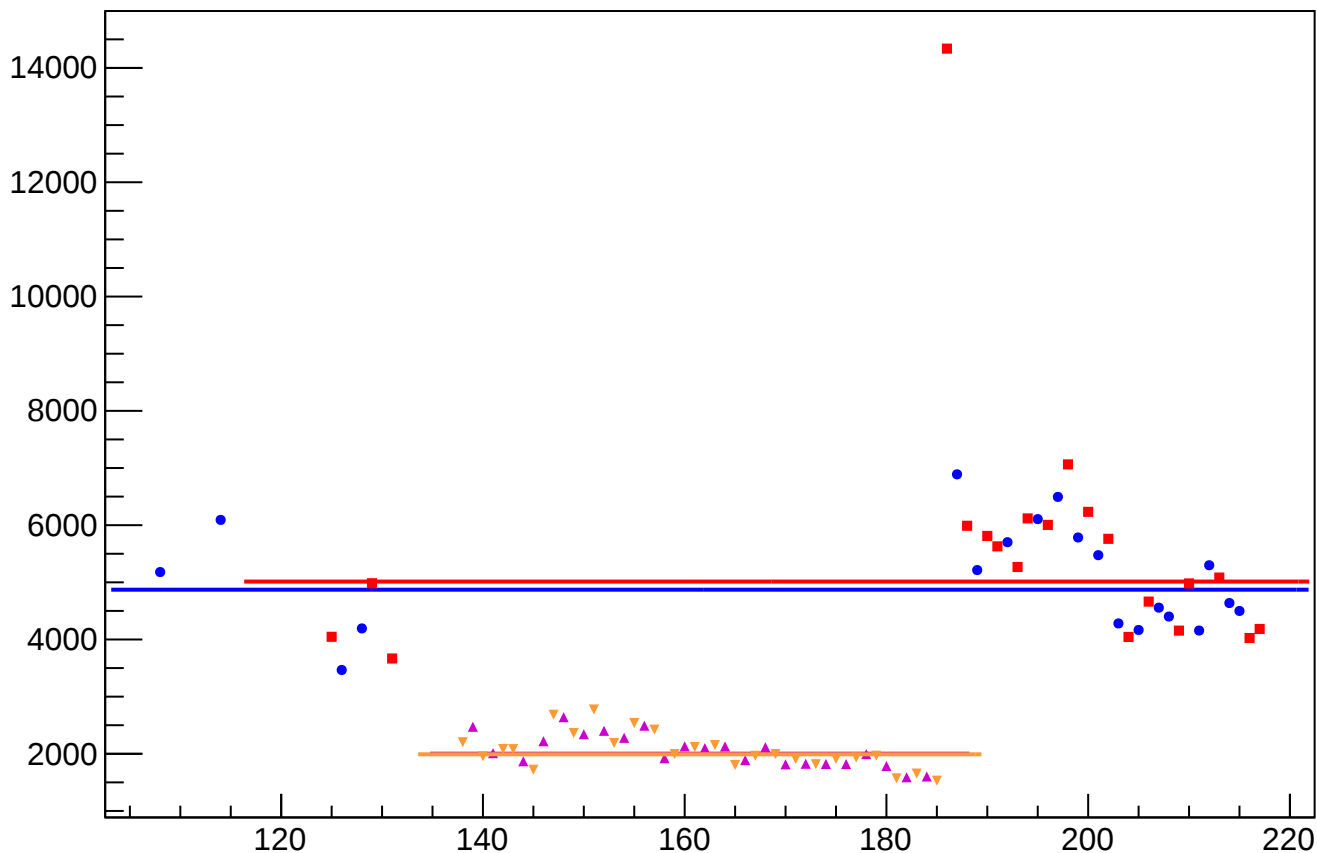
Left In: 304.366 ± 483.778 χ^2/NDF : 35.4/22

+ sign -1519.634 ± 447.558 χ^2/NDF : 63.7/43

All: -815.859 ± 320.859 χ^2/NDF : 125.7/86

- sign -71.656 ± 460.234 χ^2/NDF : 56.9/42

asym_sam2_correction_rms vs Slug



Right In: 4871.195+/-1.058 χ^2/NDF : 477311.9/18

Left Out: 1991.105+/-0.332 χ^2/NDF : 726310.6/24

Right Out: 5013.495+/-1.056 χ^2/NDF : 1012657.6/19

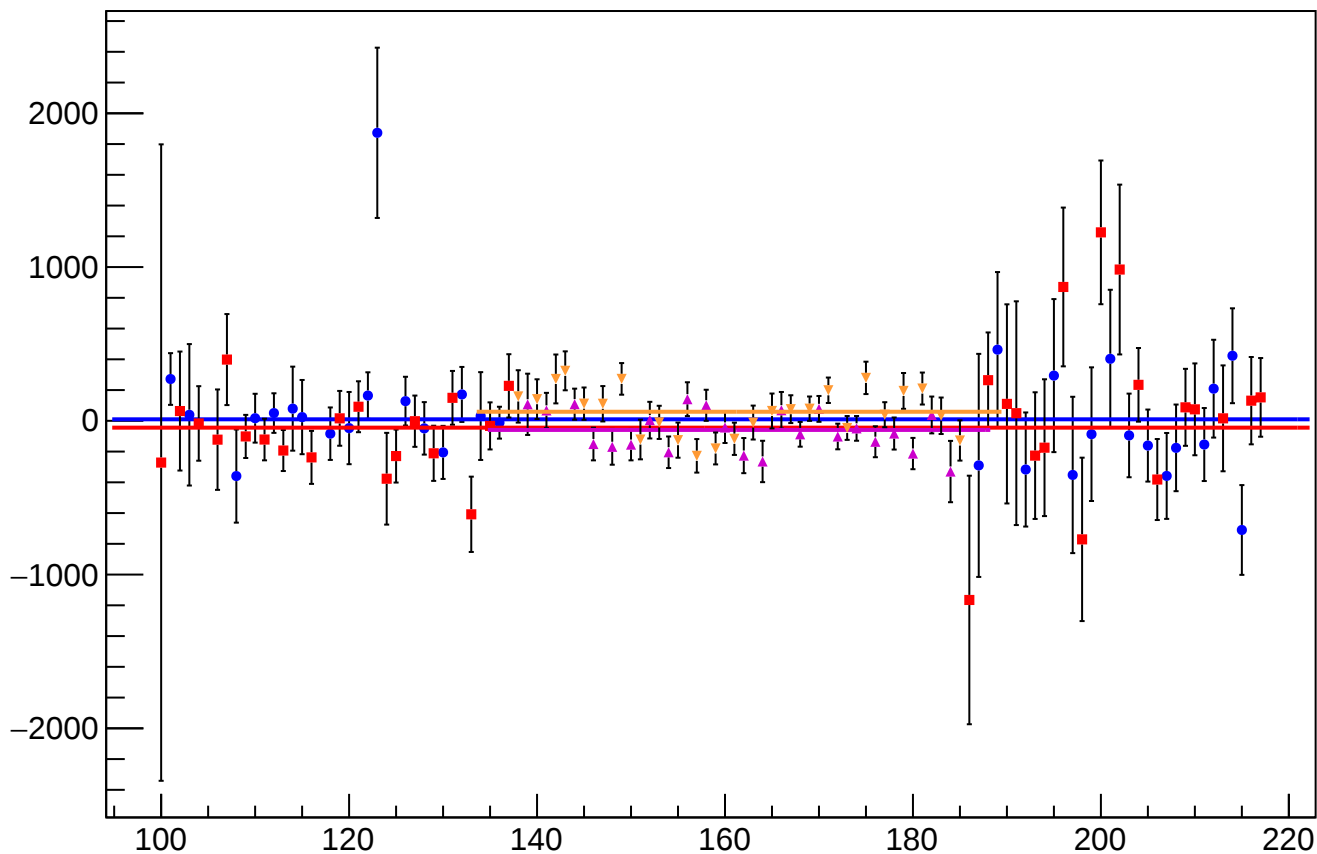
Left In: 2002.154+/-0.342 χ^2/NDF : 585947.4/22

+ sign 2248.835+/-0.316 χ^2/NDF : 7951833.6/43

All: 2267.936+/-0.227 χ^2/NDF : 16917175.8/8

- sign 2288.134+/-0.325 χ^2/NDF : 8957847.3/42

reg_asym_sam3_mean vs Slug



Right In: 9.827 ± 38.821 χ^2/NDF : 34.9/31

Left Out: 58.983 ± 21.137 χ^2/NDF : 46.9/24

Right Out: -44.427 ± 38.549 χ^2/NDF : 41.3/35

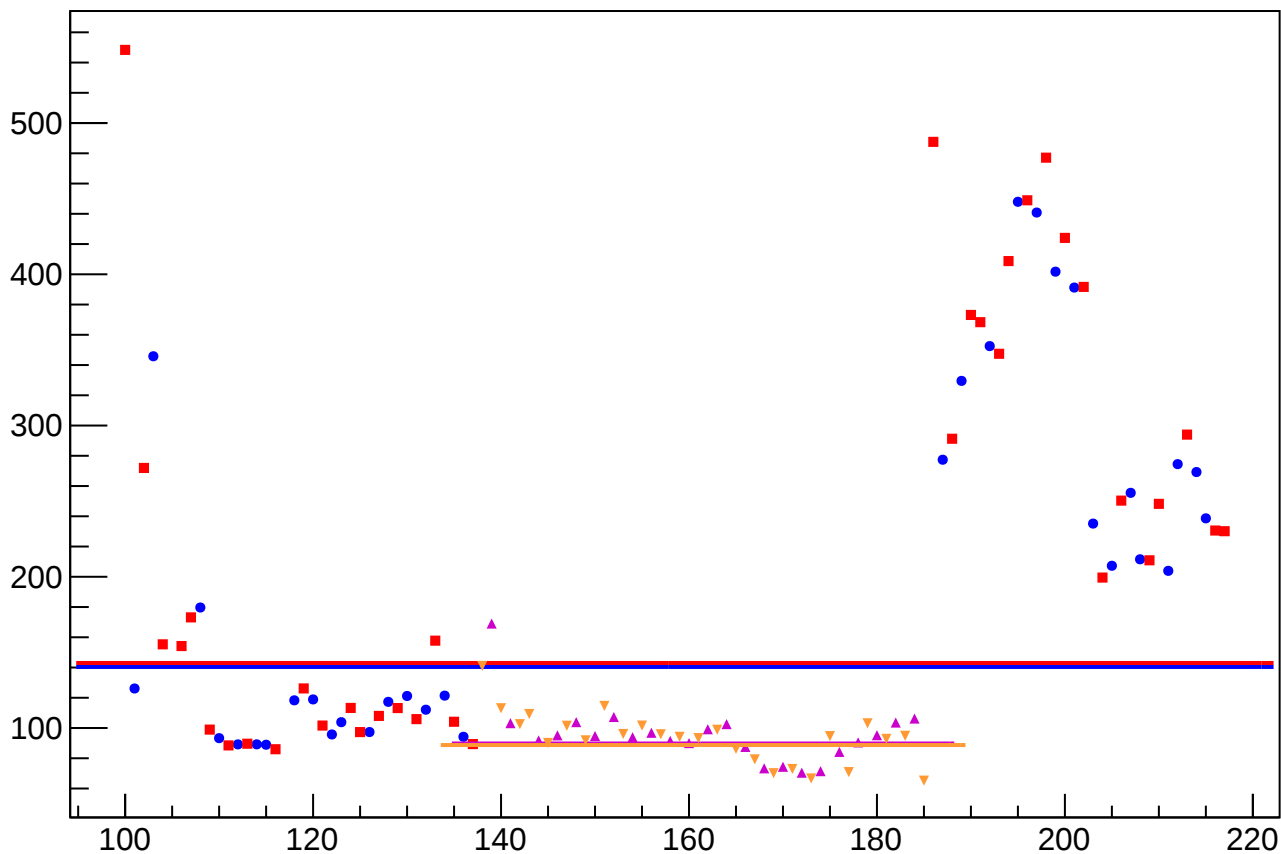
Left In: -59.235 ± 21.921 χ^2/NDF : 29.4/22

+ sign 47.742 ± 18.564 χ^2/NDF : 83.1/56

All: -2.587 ± 13.297 χ^2/NDF : 169.0/115

- sign -55.616 ± 19.056 χ^2/NDF : 70.8/58

reg_asym_sam3_rms vs Slug



Right In: 140.373+/-0.027 χ^2/NDF : 7761200.0/31

Left Out: 88.748+/-0.015 χ^2/NDF : 1079338.8/24

Right Out: 143.004+/-0.027 χ^2/NDF : 8934593.2/35

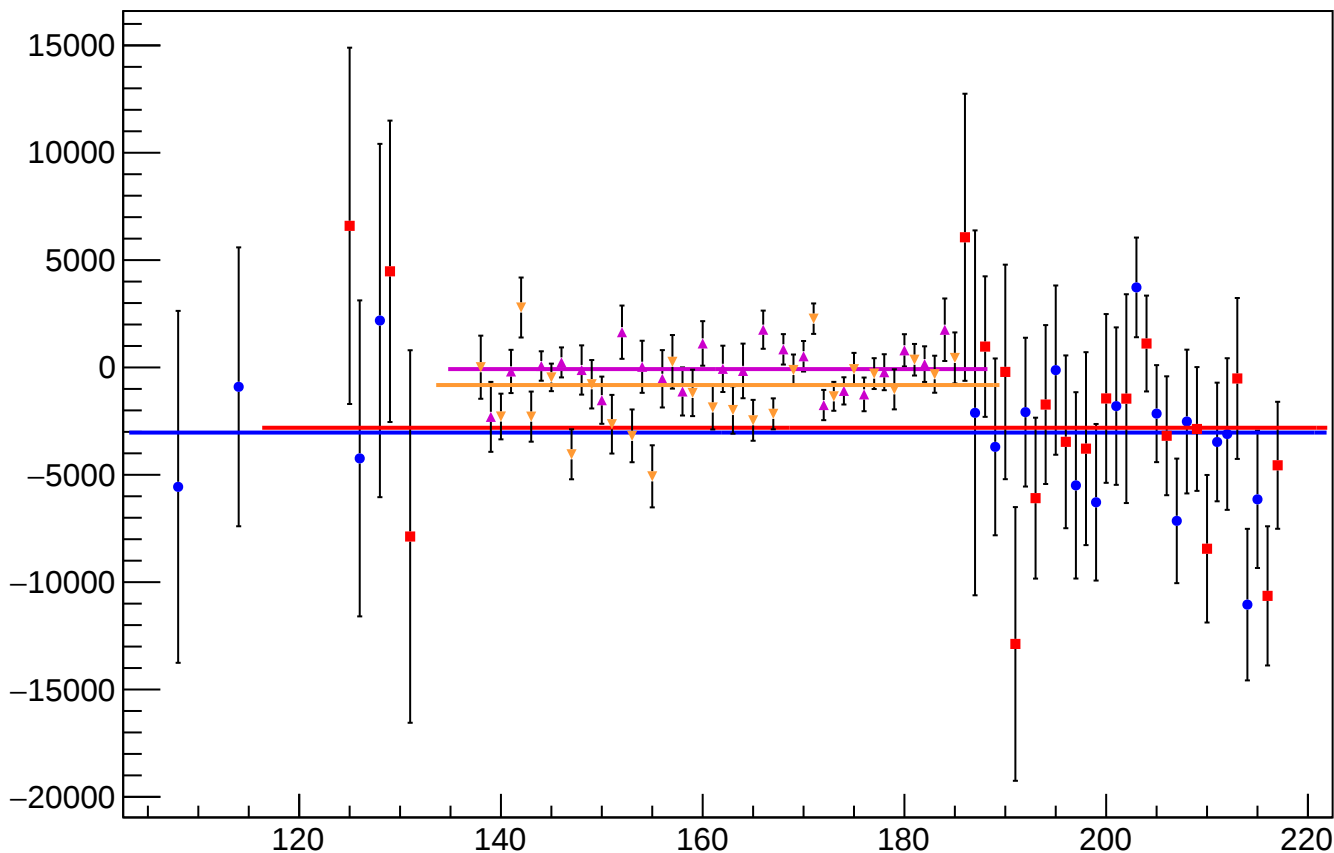
Left In: 89.766+/-0.016 χ^2/NDF : 885818.0/22

+ sign 100.553+/-0.013 χ^2/NDF : 11568606.0/56

All: 101.635+/-0.009 χ^2/NDF : 24285480.4/1

- sign 102.775+/-0.013 χ^2/NDF : 12702928.3/58

asym_sam3_correction_mean vs Slug



Right In: -3033.129 ± 823.734 $\chi^2/\text{NDF}: 19.3/18$

Left Out: -818.877 ± 184.464 $\chi^2/\text{NDF}: 68.2/24$

Right Out: -2808.301 ± 842.786 $\chi^2/\text{NDF}: 22.0/19$

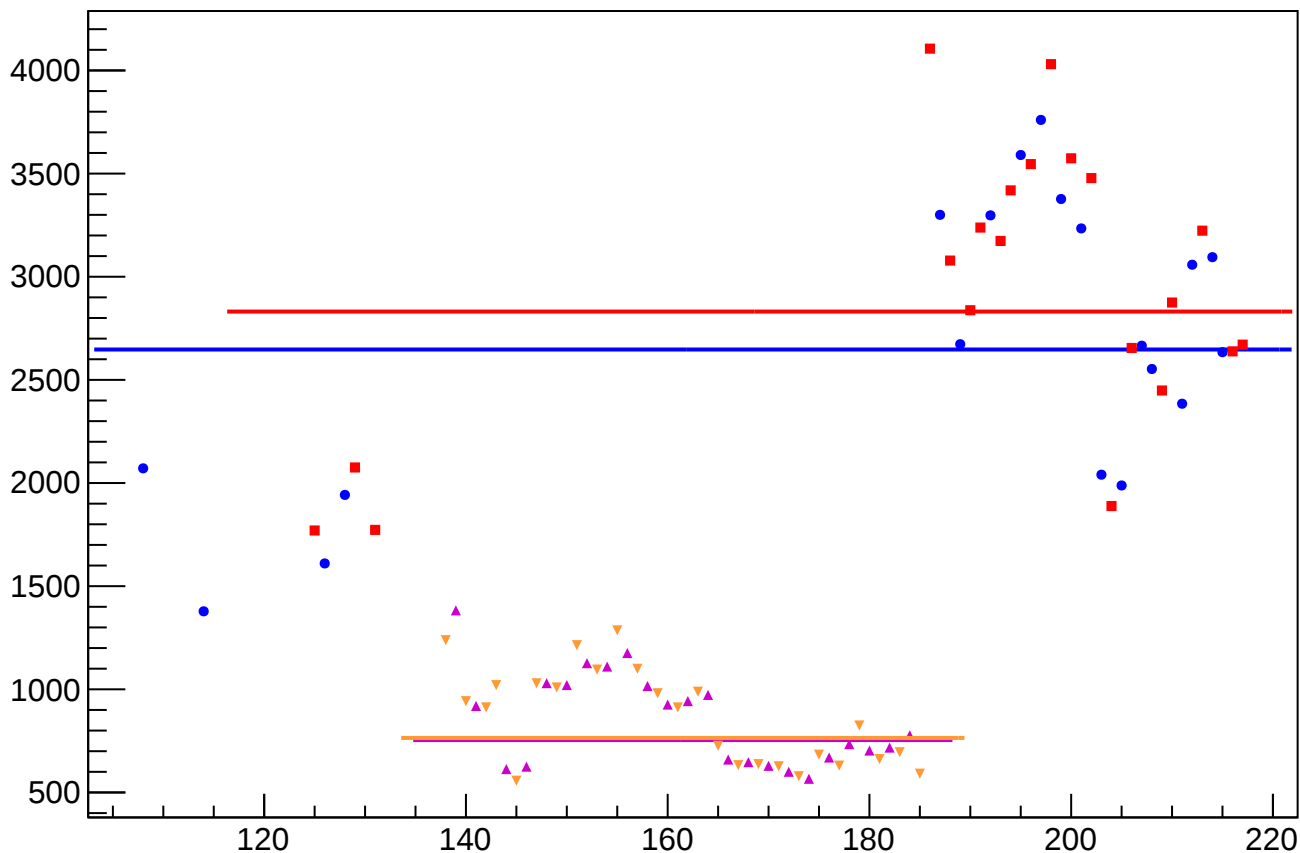
Left In: -76.204 ± 186.651 $\chi^2/\text{NDF}: 28.3/22$

+ sign -924.613 ± 180.006 $\chi^2/\text{NDF}: 94.4/43$

All: -568.714 ± 128.064 $\chi^2/\text{NDF}: 162.7/86$

- sign -203.944 ± 182.235 $\chi^2/\text{NDF}: 60.3/42$

asym_sam3_correction_rms vs Slug



Right In: 2647.238+/-0.582 χ^2/NDF : 986281.0/18

Left Out: 764.280+/-0.130 χ^2/NDF : 2315985.8/24

Right Out: 2831.201+/-0.596 χ^2/NDF : 992770.5/19

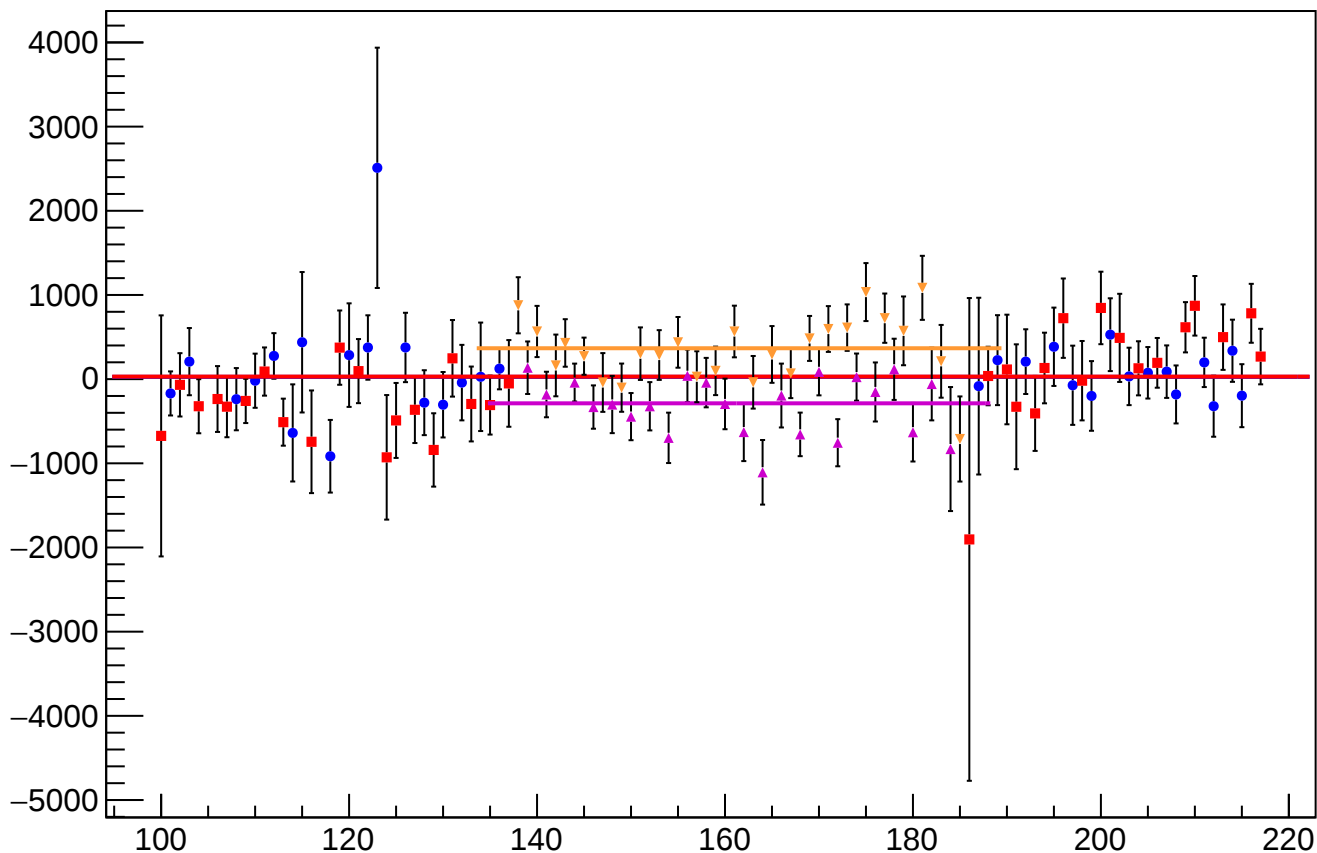
Left In: 754.027+/-0.132 χ^2/NDF : 2013386.7/22

+ sign 854.196+/-0.127 χ^2/NDF : 13253732.3/43

All: 852.689+/-0.091 χ^2/NDF : 27841174.9/86

- sign 851.145+/-0.129 χ^2/NDF : 14587158.9/42

reg_asym_sam4_mean vs Slug



Right In: 27.062 ± 67.781 χ^2/NDF : 20.2/31

Left Out: 367.028 ± 61.943 χ^2/NDF : 28.2/24

Right Out: 30.008 ± 65.713 χ^2/NDF : 44.7/35

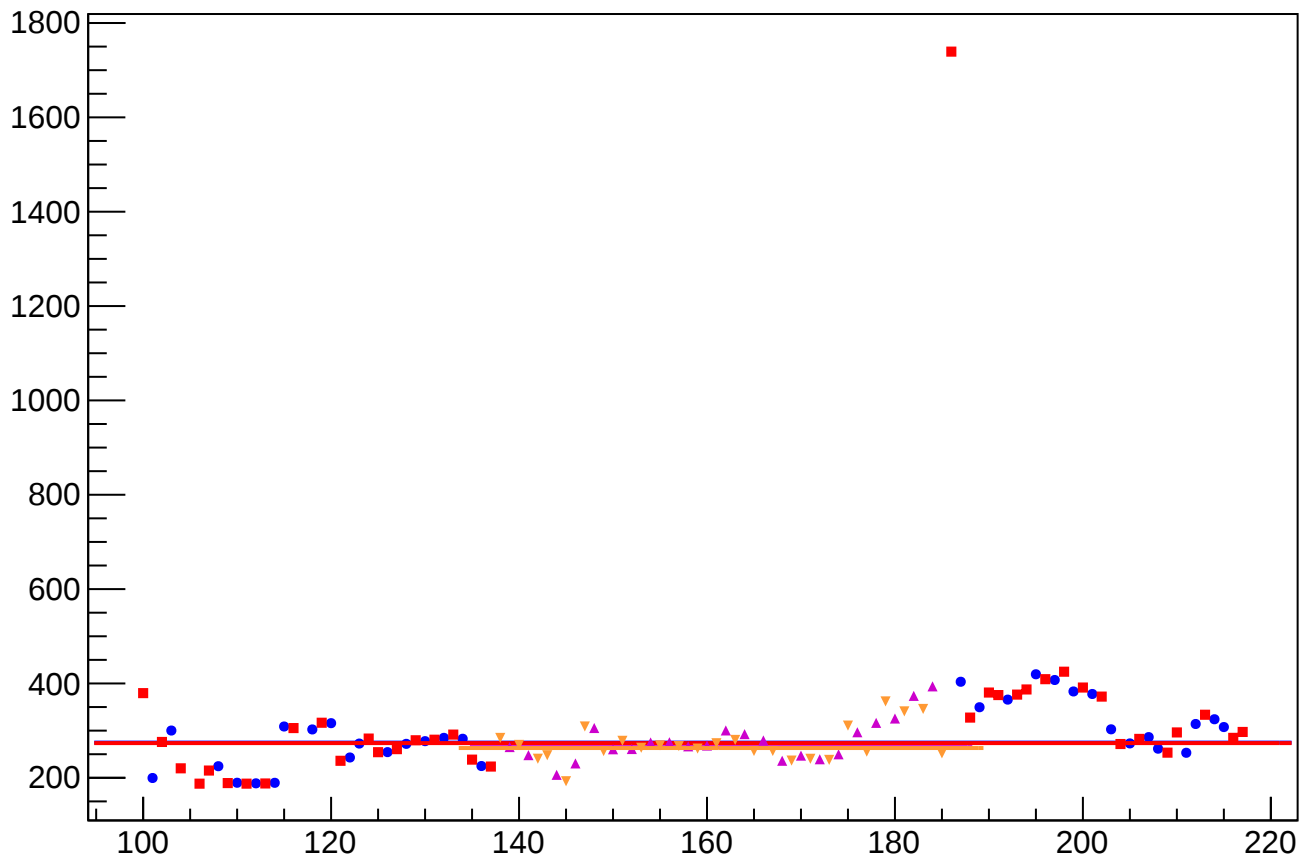
Left In: -287.246 ± 64.141 χ^2/NDF : 23.9/22

+ sign 212.314 ± 45.725 χ^2/NDF : 62.1/56

All: 40.584 ± 32.394 χ^2/NDF : 171.0/115

- sign -132.461 ± 45.900 χ^2/NDF : 80.5/58

reg_asym_sam4_rms vs Slug



Right In: 274.600 $\pm$ 0.048 χ^2 /NDF: 1609375.5/31

Left Out: 263.103 $\pm$ 0.044 χ^2 /NDF: 642226.0/24

Right Out: 273.571 $\pm$ 0.046 χ^2 /NDF: 2470547.9/35

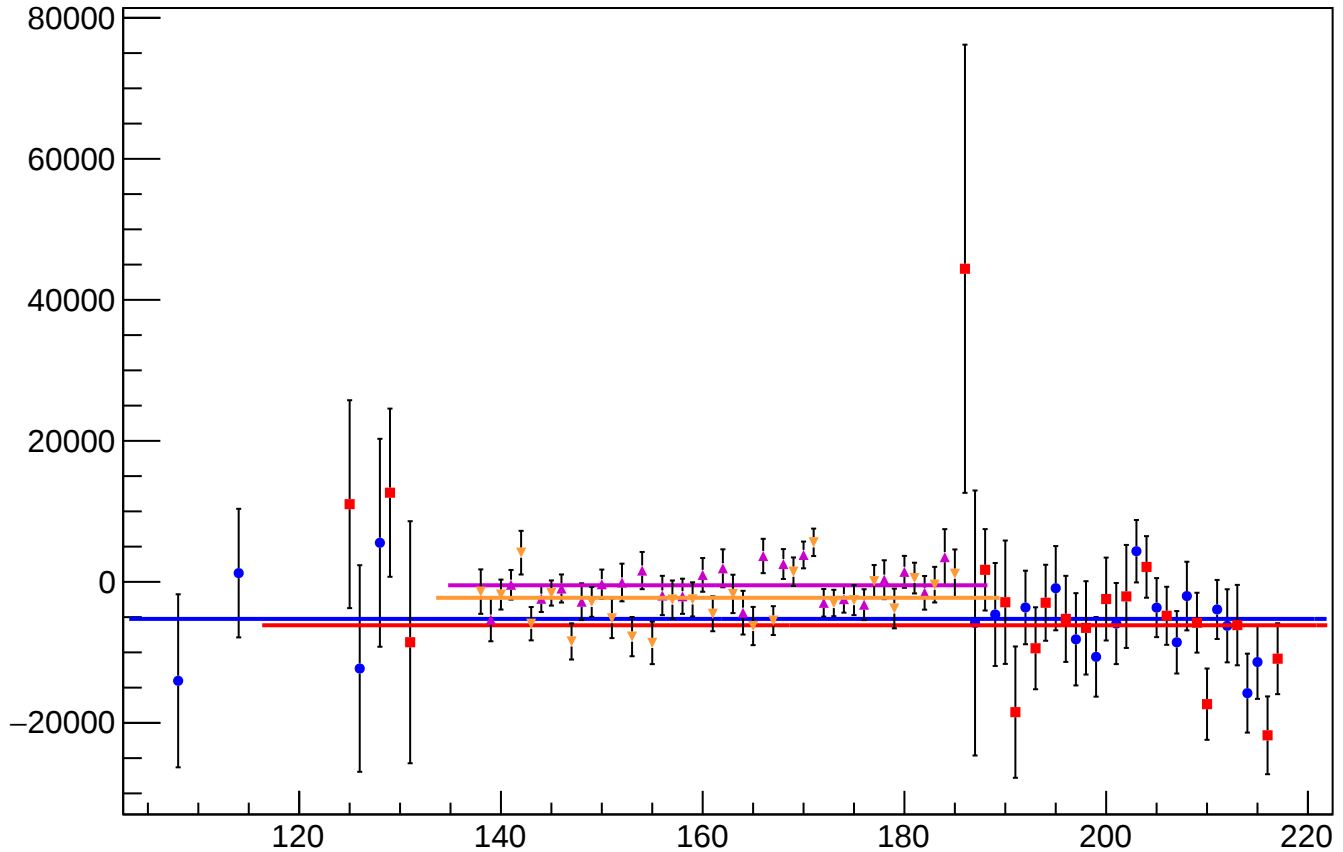
Left In: 264.923 $\pm$ 0.045 χ^2 /NDF: 609024.7/22

+ sign 268.335 $\pm$ 0.032 χ^2 /NDF: 2282956.8/56

All: 268.737 $\pm$ 0.023 χ^2 /NDF: 5380576.3/115

- sign 269.142 $\pm$ 0.032 χ^2 /NDF: 3097309.1/58

asym_sam4_correction_mean vs Slug



Right In: -5250.965 ± 1332.376 χ^2/NDF : 14.4/18

Left Out: -2260.196 ± 475.336 χ^2/NDF : 52.3/24

Right Out: -6154.732 ± 1359.352 χ^2/NDF : 29.0/19

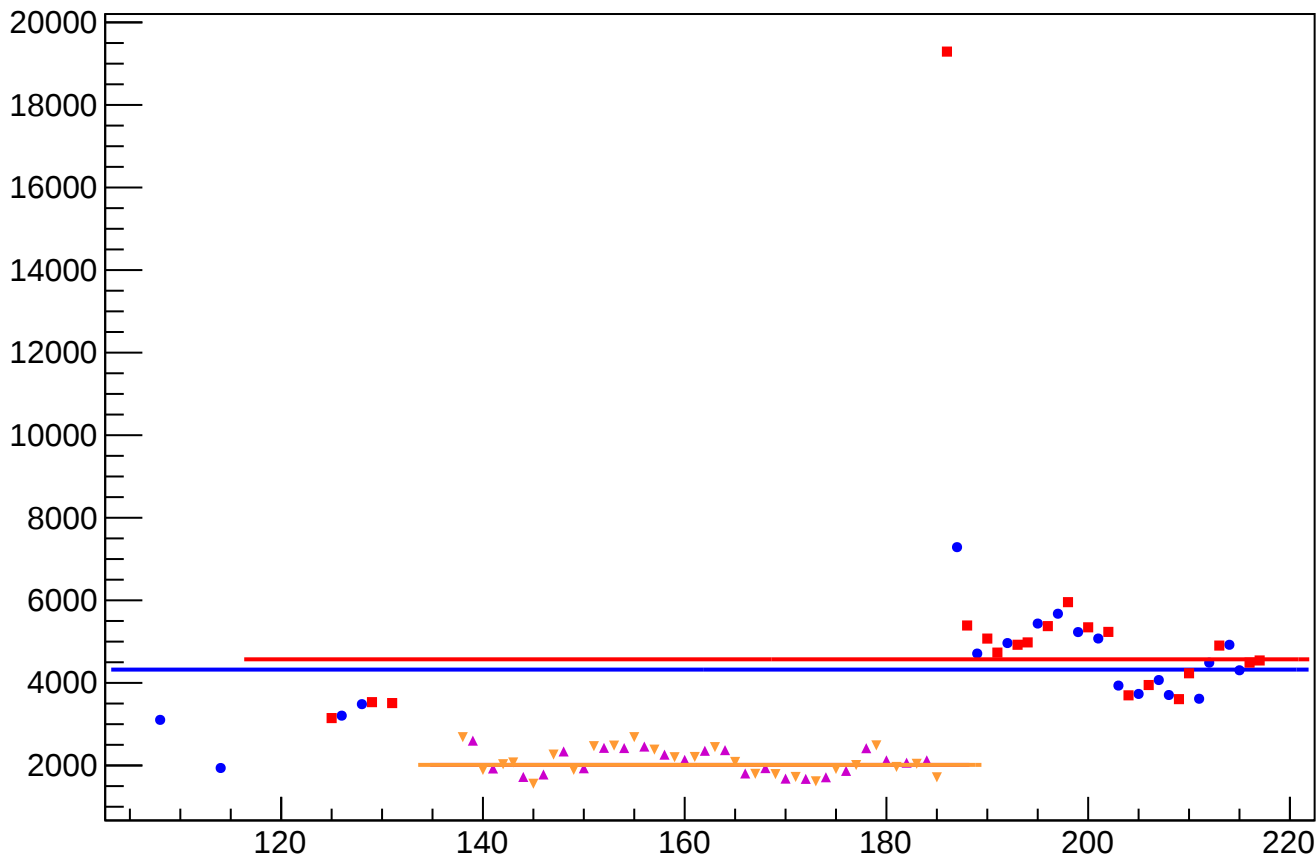
Left In: -485.590 ± 487.465 χ^2/NDF : 24.8/22

+ sign -2597.872 ± 447.698 χ^2/NDF : 71.2/43

All: -1882.751 ± 320.442 χ^2/NDF : 145.7/86

- sign -1131.546 ± 458.854 χ^2/NDF : 69.2/42

asym_sam4_correction_rms vs Slug



Right In: 4322.058+/-0.942 χ^2/NDF : 677074.0/18

Left Out: 2014.106+/-0.336 χ^2/NDF : 835656.9/24

Right Out: 4571.178+/-0.961 χ^2/NDF : 955482.0/19

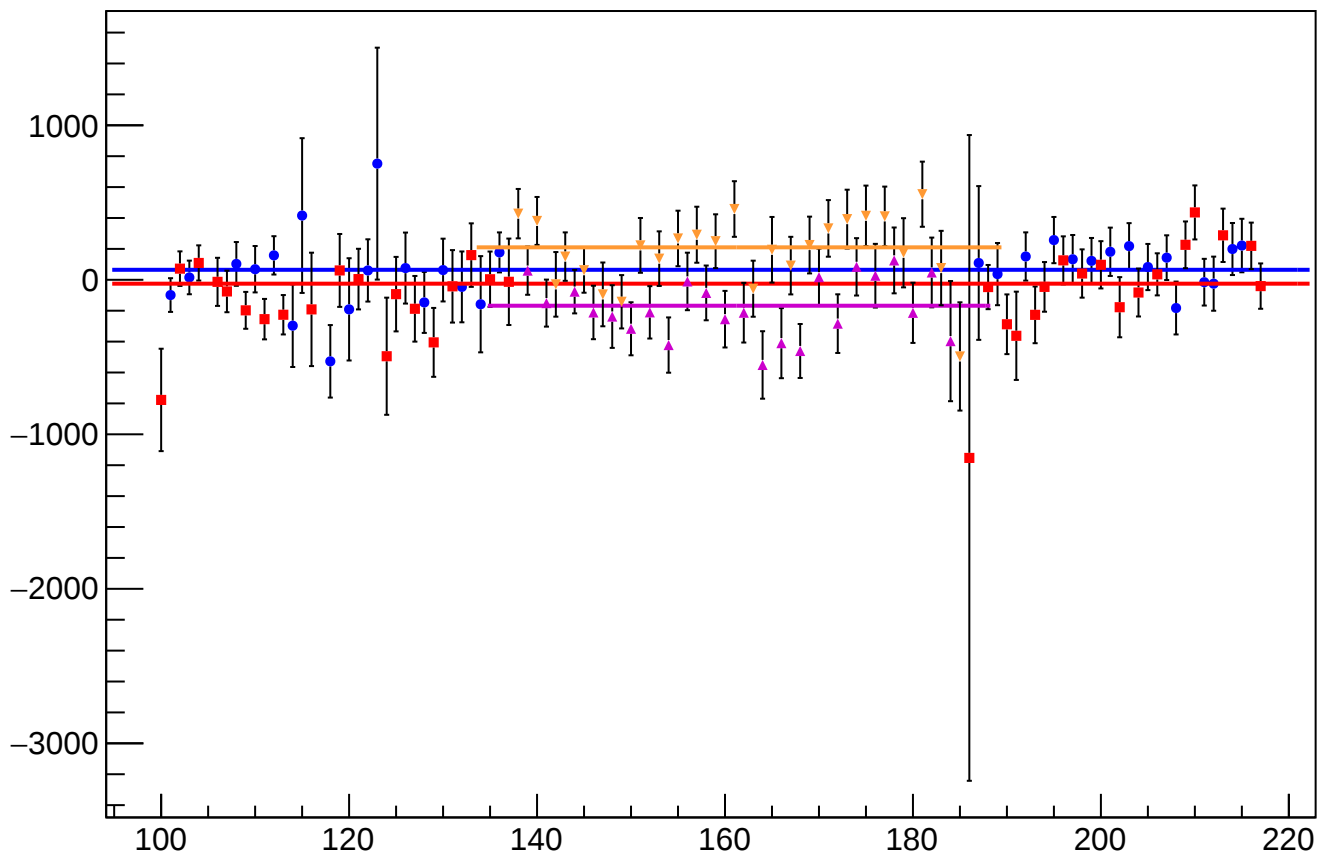
Left In: 2013.245+/-0.345 χ^2/NDF : 662077.8/22

+ sign 2274.687+/-0.317 χ^2/NDF : 6836259.9/43

All: 2289.325+/-0.227 χ^2/NDF : 14733096.4/8

- sign 2304.703+/-0.324 χ^2/NDF : 7892452.2/42

reg_asym_sam5_mean vs Slug



Right In: 64.719 ± 29.942 χ^2/NDF : 24.2/31

Left Out: 210.086 ± 37.093 χ^2/NDF : 27.5/24

Right Out: -25.139 ± 28.169 χ^2/NDF : 44.5/35

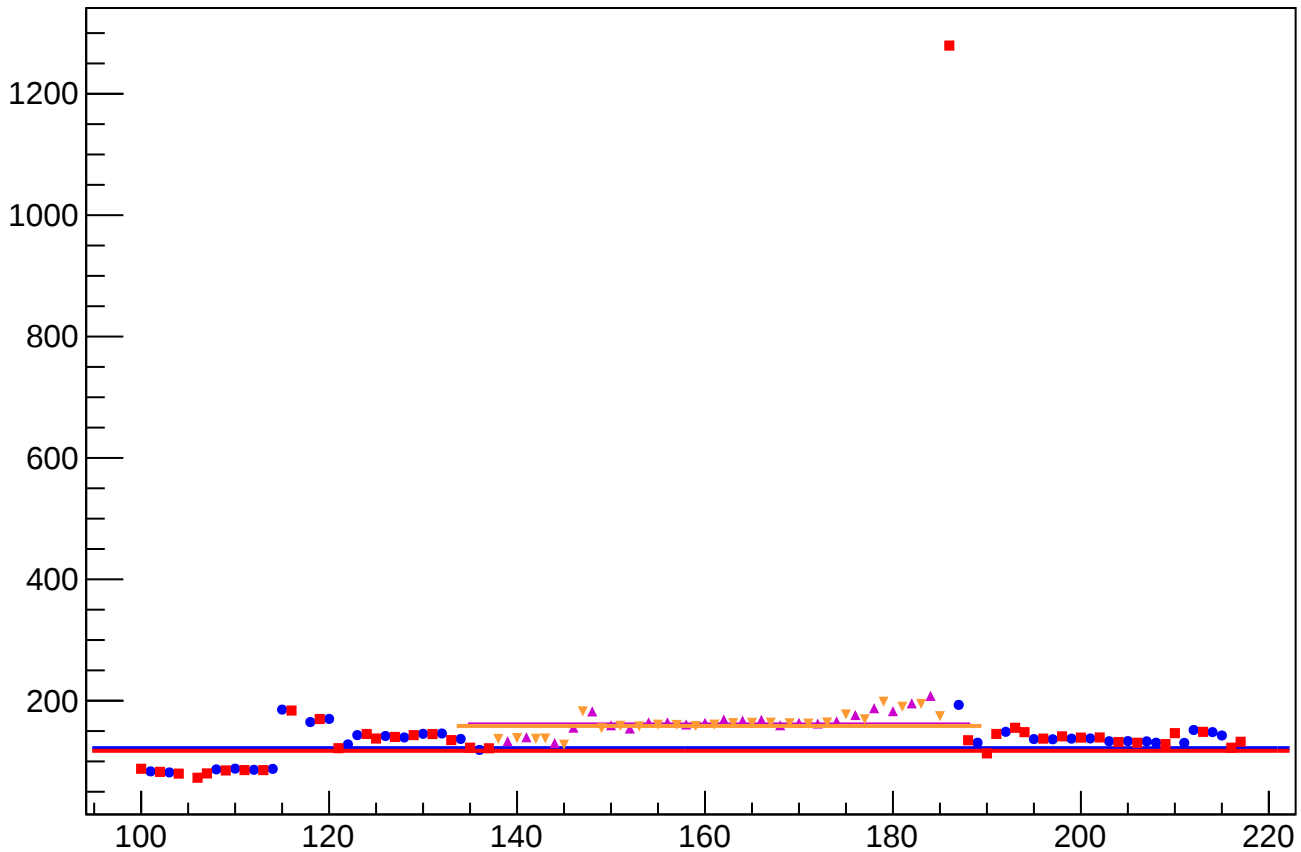
Left In: -167.822 ± 38.718 χ^2/NDF : 21.1/22

+ sign 122.069 ± 23.299 χ^2/NDF : 61.0/56

All: 21.553 ± 16.288 χ^2/NDF : 172.0/115

- sign -74.524 ± 22.778 χ^2/NDF : 74.6/58

reg_asym_sam5_rms vs Slug



Right In: 121.824+/-0.021 χ^2/NDF : 1538542.9/31

Left Out: 158.440+/-0.026 χ^2/NDF : 434300.9/24

Right Out: 117.488+/-0.020 χ^2/NDF : 2578159.0/35

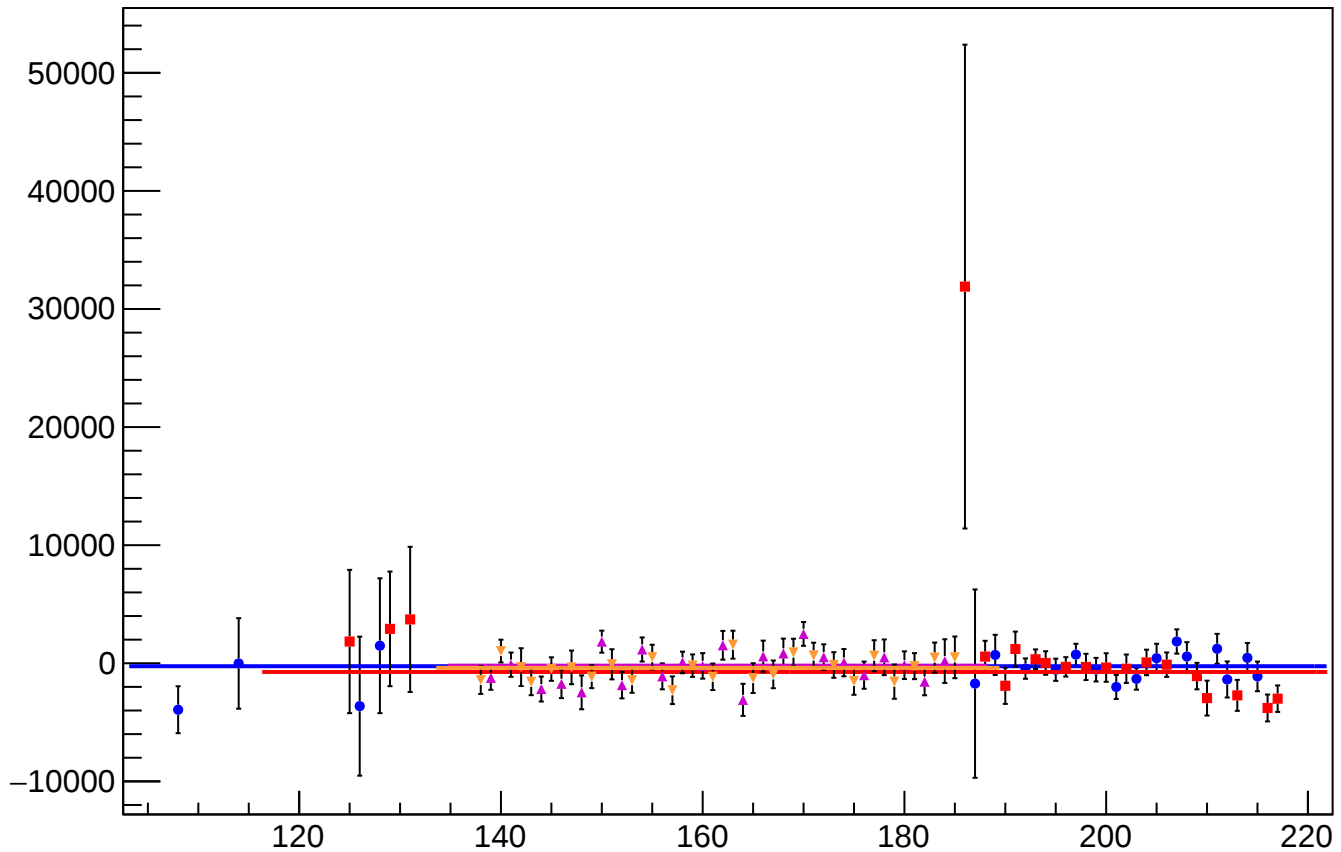
Left In: 160.947+/-0.027 χ^2/NDF : 379713.4/22

+ sign 136.270+/-0.016 χ^2/NDF : 3152837.9/56

All: 134.358+/-0.012 χ^2/NDF : 7784697.0/115

- sign 132.530+/-0.016 χ^2/NDF : 4605514.5/58

asym_sam5_correction_mean vs Slug



Right In: -249.338+/-286.566 χ^2/NDF : 17.5/18

Left Out: -385.018+/-231.833 χ^2/NDF : 18.1/24

Right Out: -735.817+/-278.725 χ^2/NDF : 26.7/19

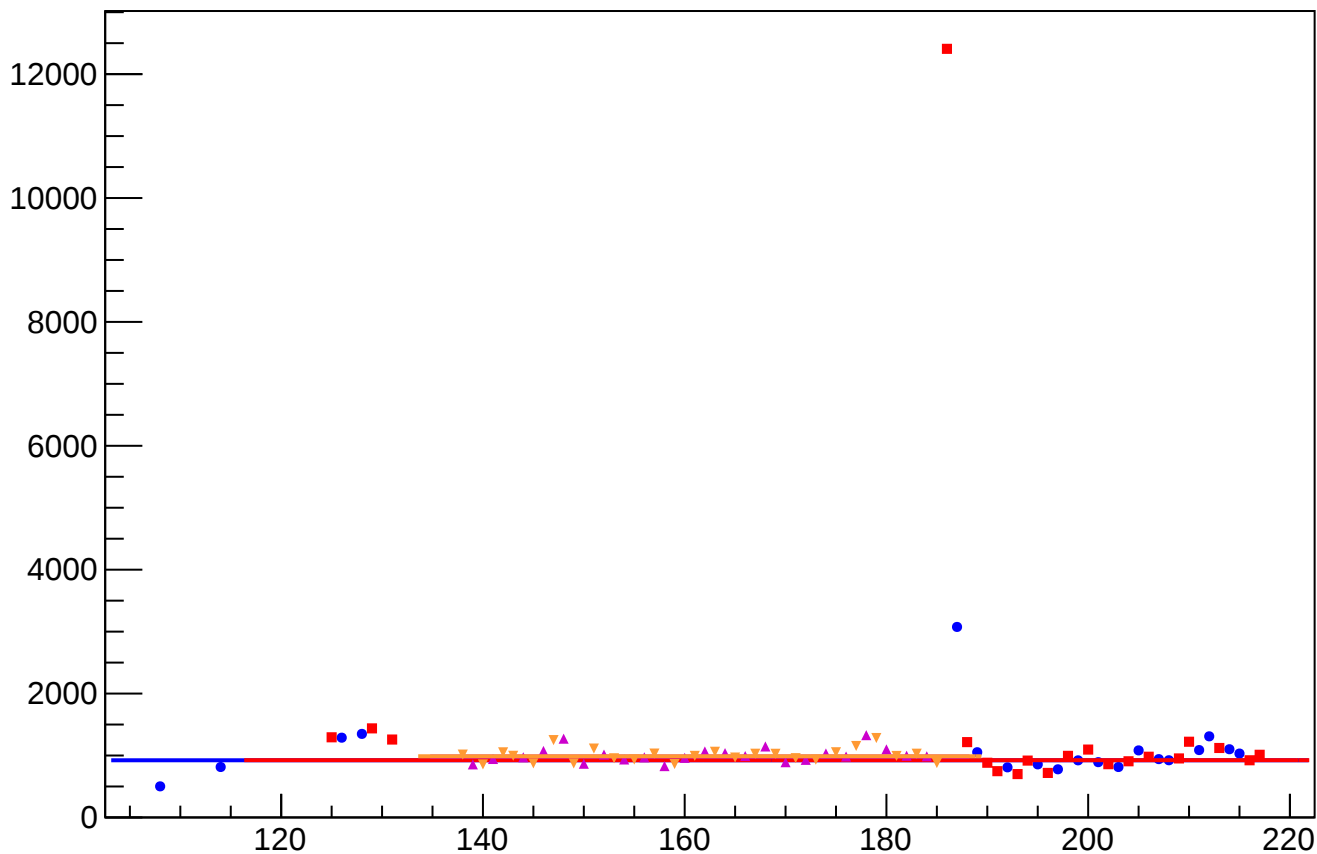
Left In: -202.234+/-237.460 χ^2/NDF : 35.5/22

+ sign -331.346+/-180.237 χ^2/NDF : 35.7/43

All: -378.856+/-127.630 χ^2/NDF : 100.2/86

- sign -426.640+/-180.756 χ^2/NDF : 64.3/42

asym_sam5_correction_rms vs Slug



Right In: 923.103 $\pm$ 0.203 χ^2 /NDF: 644875.5/18

Left Out: 987.869 $\pm$ 0.164 χ^2 /NDF: 376958.5/24

Right Out: 924.647 $\pm$ 0.197 χ^2 /NDF: 1261677.6/19

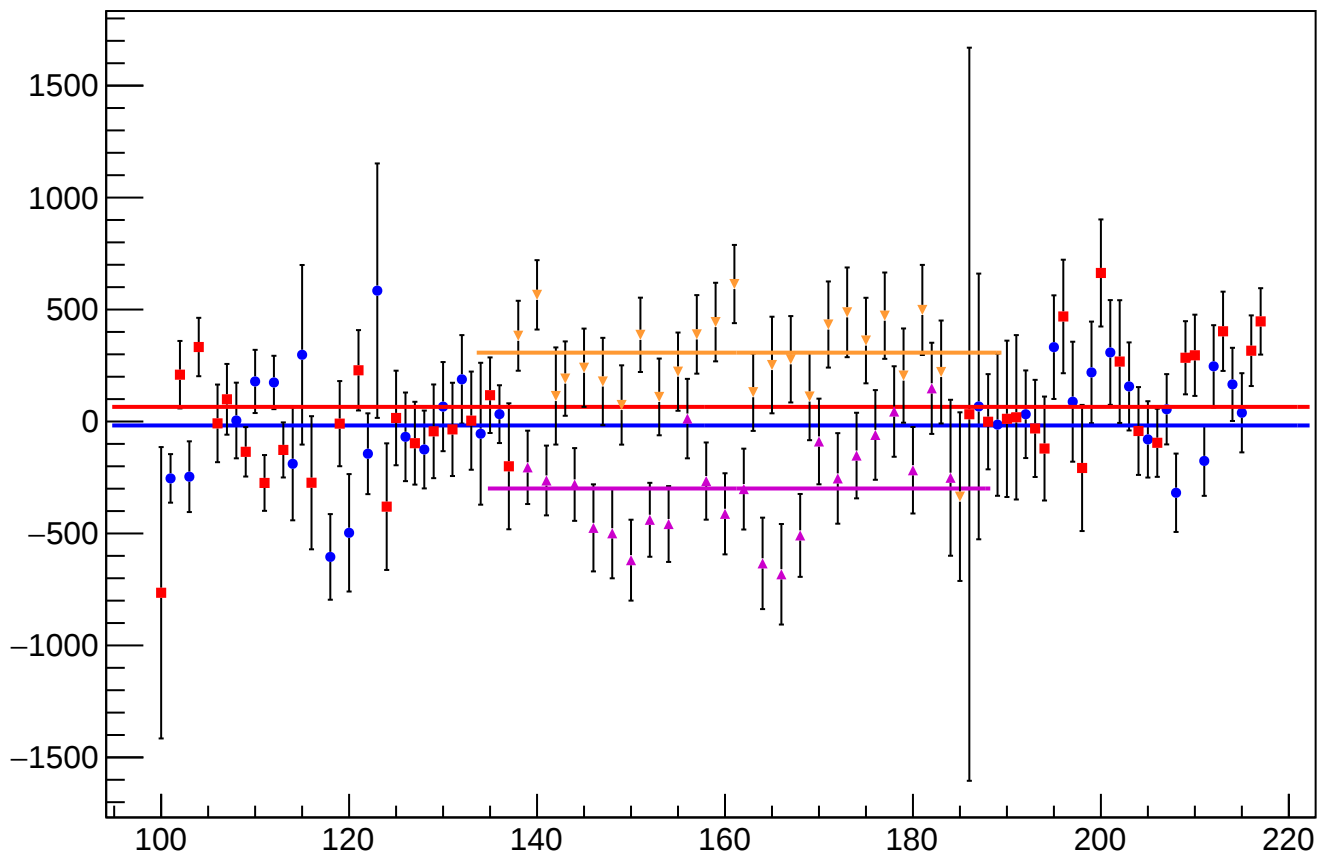
Left In: 983.893 $\pm$ 0.168 χ^2 /NDF: 416265.7/22

+ sign 962.249 $\pm$ 0.127 χ^2 /NDF: 1083579.9/43

All: 960.617 $\pm$ 0.090 χ^2 /NDF: 2814213.1/86

- sign 958.976 $\pm$ 0.128 χ^2 /NDF: 1730304.5/42

reg_asym_sam6_mean vs Slug



Right In: -17.663 ± 32.601 χ^2/NDF : 42.8/31

Left Out: 307.487 ± 37.278 χ^2/NDF : 20.7/24

Right Out: 65.315 ± 31.137 χ^2/NDF : 56.2/35

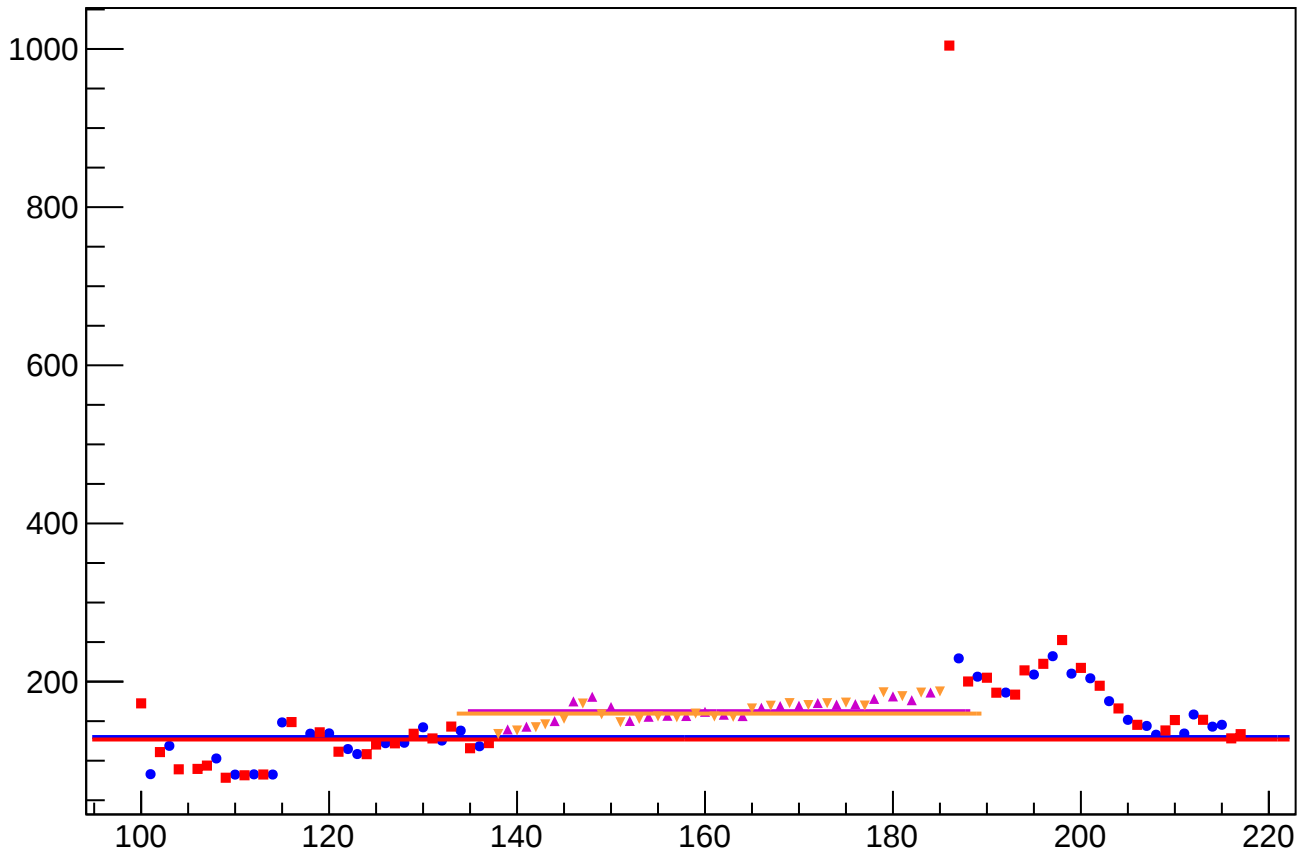
Left In: -299.192 ± 39.009 χ^2/NDF : 28.5/22

+ sign 123.250 ± 24.540 χ^2/NDF : 106.7/56

All: 22.516 ± 17.280 χ^2/NDF : 278.1/115

- sign -76.541 ± 24.335 χ^2/NDF : 138.1/58

reg_asym_sam6_rms vs Slug



Right In: 129.909 $\pm$ 0.023 χ^2 /NDF: 2649349.6/31

Left Out: 159.568 $\pm$ 0.026 χ^2 /NDF: 287744.2/24

Right Out: 126.806 $\pm$ 0.022 χ^2 /NDF: 4029877.7/35

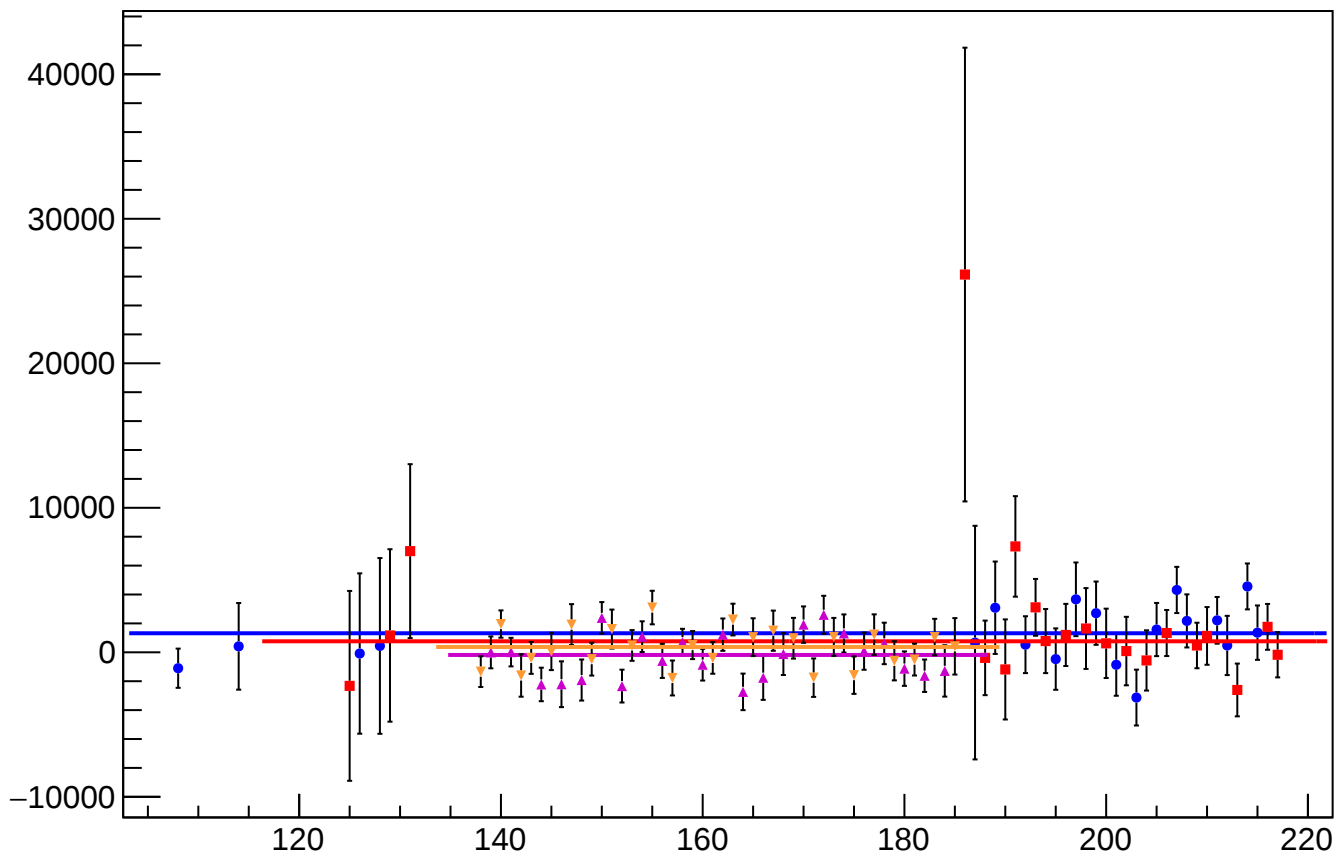
Left In: 162.606 $\pm$ 0.028 χ^2 /NDF: 199542.3/22

+ sign 142.763 $\pm$ 0.017 χ^2 /NDF: 3654458.5/56

All: 141.742 $\pm$ 0.012 χ^2 /NDF: 8919698.0/115

- sign 140.738 $\pm$ 0.017 χ^2 /NDF: 5258376.7/58

asym_sam6_correction_mean vs Slug



Right In: 1318.670+/-474.738 χ^2/NDF : 20.5/18

Left Out: 370.001+/-243.521 χ^2/NDF :30.5/24

Right Out: 762.247+/-503.748 χ^2/NDF : 14.4/19

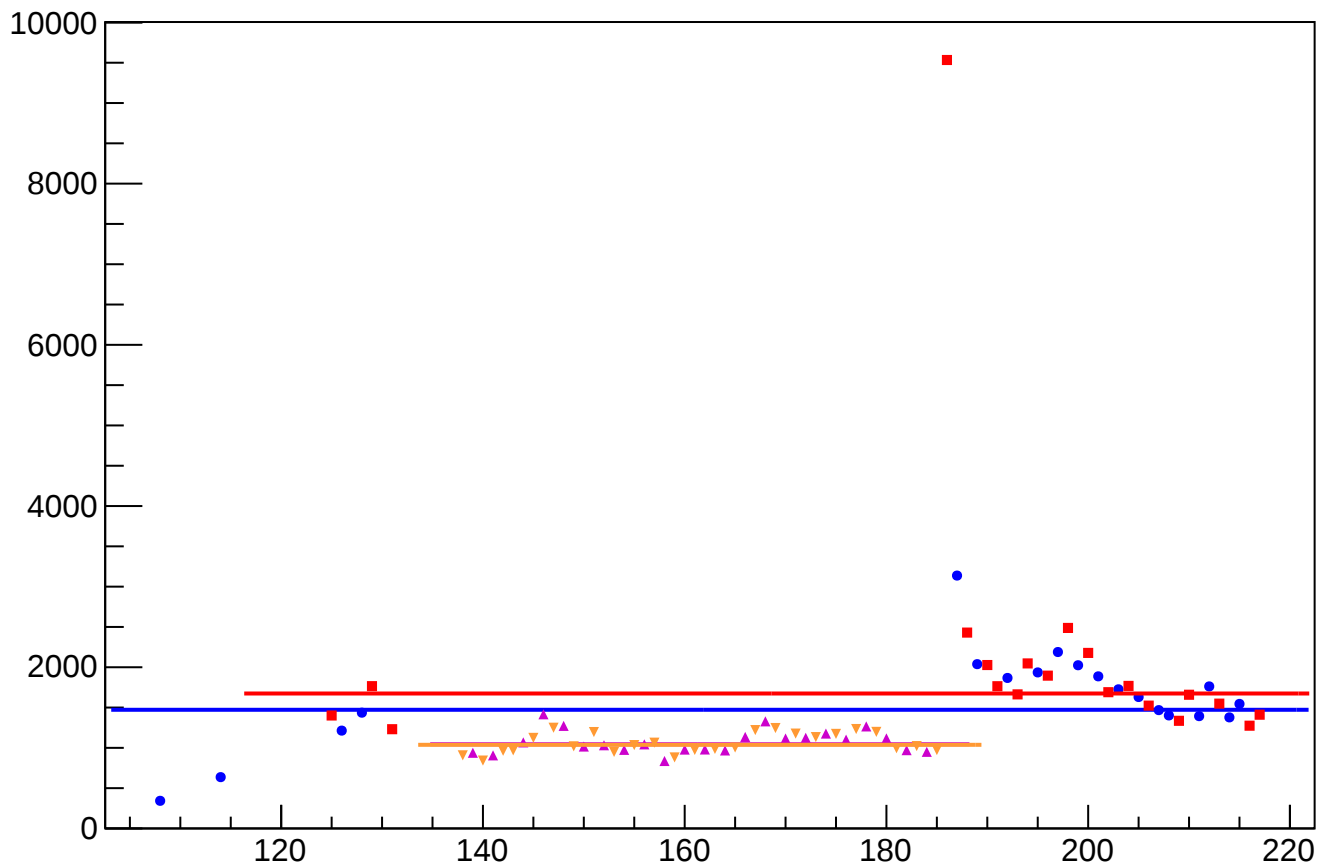
Left In: -183.107+/-252.258 χ^2/NDF :36.5/22

+ sign 567.621+/-216.677 χ^2/NDF : 54.1/43

All: 298.289+/-156.259 χ^2/NDF : 111.1/86

- sign 6.425+/-225.558 χ^2/NDF : 53.7/42

asym_sam6_correction_rms vs Slug



Right In: 1472.279+/-0.336 χ^2/NDF : 2336553.0/18

Left Out: 1037.689+/-0.172 χ^2/NDF : 494981.4/24

Right Out: 1674.290+/-0.356 χ^2/NDF : 1352307.8/19

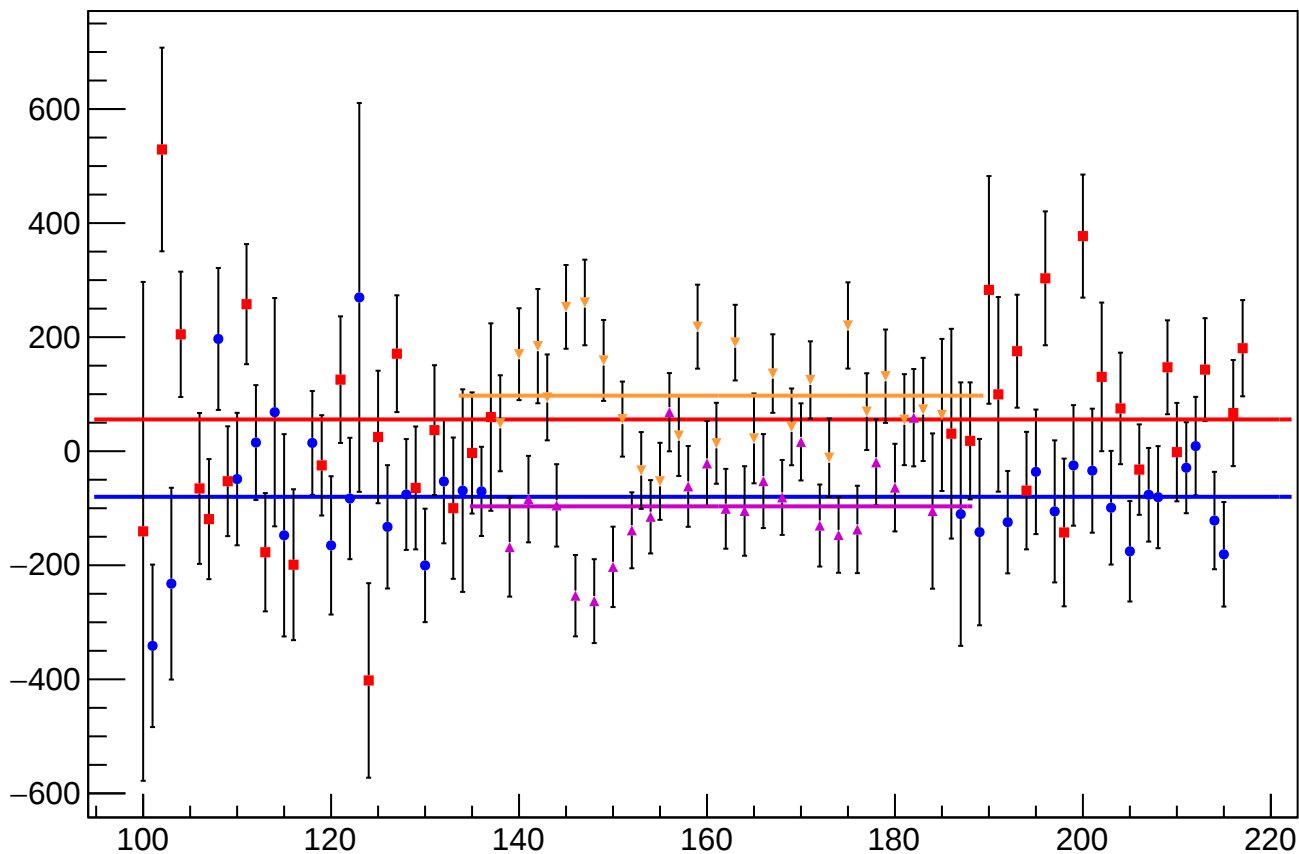
Left In: 1044.746+/-0.178 χ^2/NDF : 543315.5/22

+ sign 1128.220+/-0.153 χ^2/NDF : 4158423.6/43

All: 1148.733+/-0.110 χ^2/NDF : 8588752.2/86

- sign 1170.962+/-0.159 χ^2/NDF : 4392979.0/42

reg_asym_sam7_mean vs Slug



Right In: -79.950 ± 18.933 $\chi^2/\text{NDF}: 20.4/31$

Left Out: 97.445 ± 14.880 $\chi^2/\text{NDF}: 36.0/24$

Right Out: 55.717 ± 18.366 $\chi^2/\text{NDF}: 65.8/35$

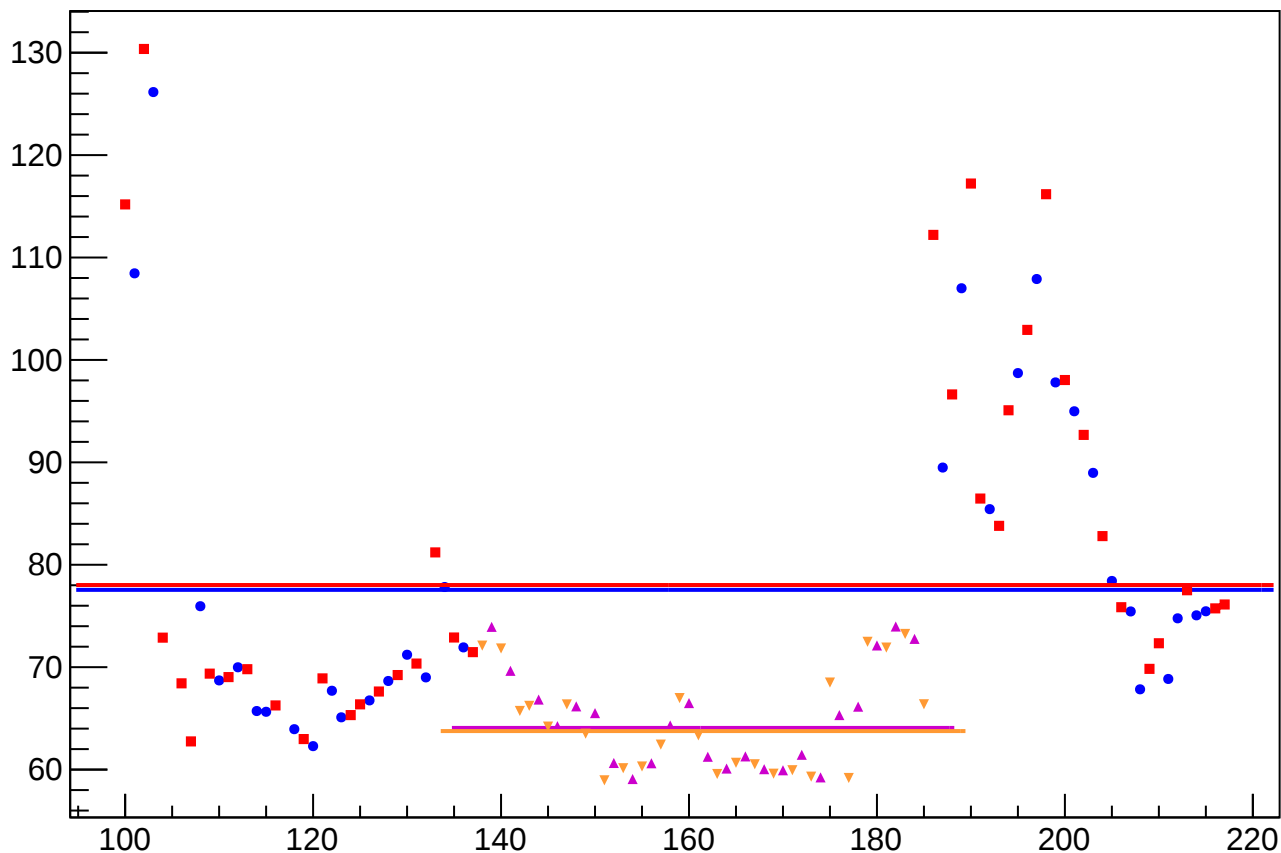
Left In: -96.704 ± 15.369 $\chi^2/\text{NDF}: 29.2/22$

+ sign 29.711 ± 11.699 $\chi^2/\text{NDF}: 110.7/56$

All: -1.870 ± 8.303 $\chi^2/\text{NDF}: 260.9/115$

- sign -33.927 ± 11.787 $\chi^2/\text{NDF}: 135.5/58$

reg_asym_sam7_rms vs Slug



Right In: 77.549 $\pm$ 0.013 χ^2 /NDF: 948524.0/31

Left Out: 63.761 $\pm$ 0.011 χ^2 /NDF:192803.8/24

Right Out: 78.021 $\pm$ 0.013 χ^2 /NDF: 1131181.2/35

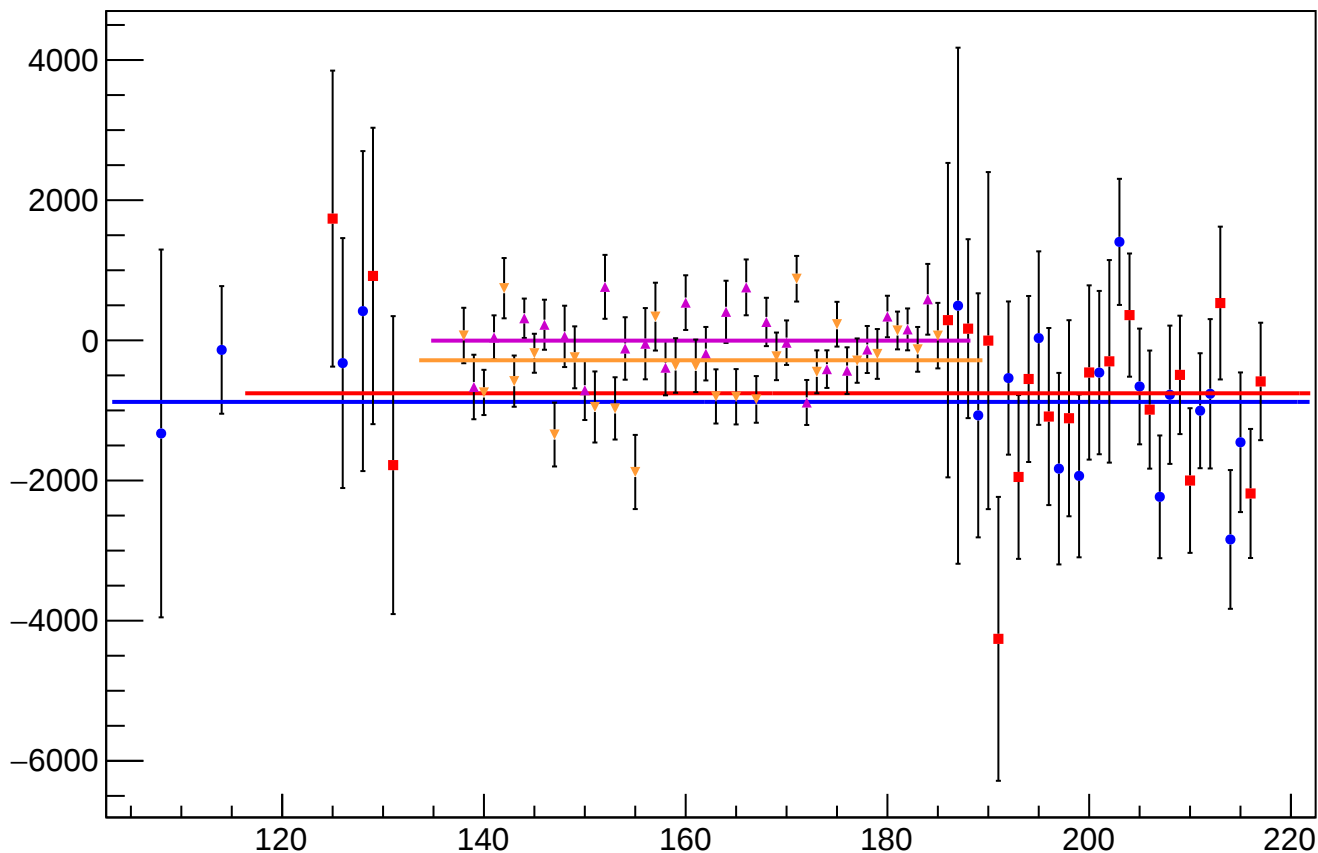
Left In: 64.069 $\pm$ 0.011 χ^2 /NDF:164660.4/22

+ sign 69.026 $\pm$ 0.008 χ^2 /NDF: 1797024.5/56

All: 69.418 $\pm$ 0.006 χ^2 /NDF: 3776272.9/115

- sign 69.815 $\pm$ 0.008 χ^2 /NDF: 1974728.2/58

asym_sam7_correction_mean vs Slug



Right In: -878.290 ± 256.561 $\chi^2/\text{NDF}: 16.6/18$

Left Out: -284.304 ± 72.732 $\chi^2/\text{NDF}: 55.1/24$

Right Out: -755.279 ± 266.371 $\chi^2/\text{NDF}: 14.5/19$

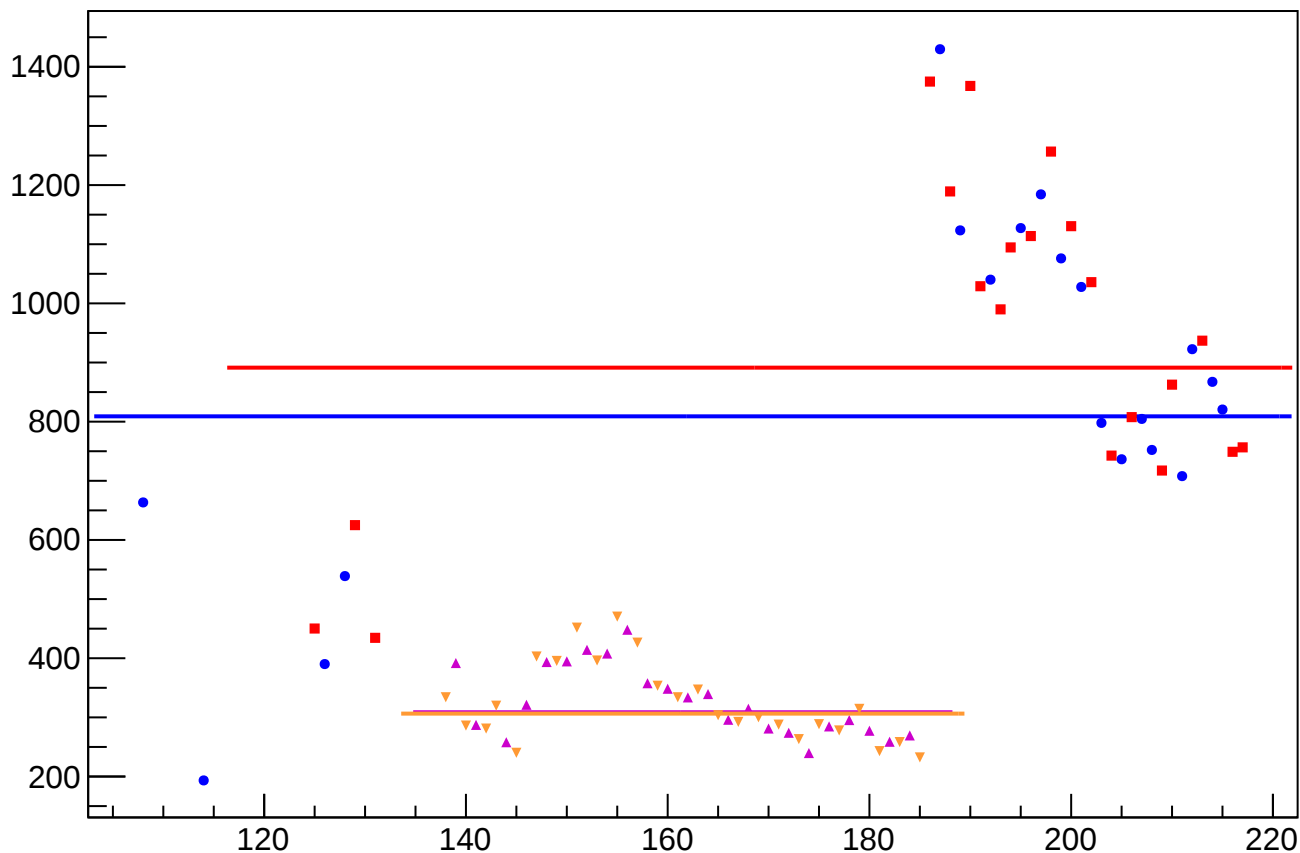
Left In: -4.037 ± 75.084 $\chi^2/\text{NDF}: 32.4/22$

+ sign -328.489 ± 69.975 $\chi^2/\text{NDF}: 76.6/43$

All: -198.249 ± 50.271 $\chi^2/\text{NDF}: 138.0/86$

- sign -59.334 ± 72.268 $\chi^2/\text{NDF}: 54.3/42$

asym_sam7_correction_rms vs Slug



Right In: 809.007 $\pm$ 0.181 χ^2 /NDF: 1812151.7/18

Left Out: 306.363 $\pm$ 0.051 χ^2 /NDF:1215669.9/24

Right Out: 891.324 $\pm$ 0.188 χ^2 /NDF: 1132891.9/19

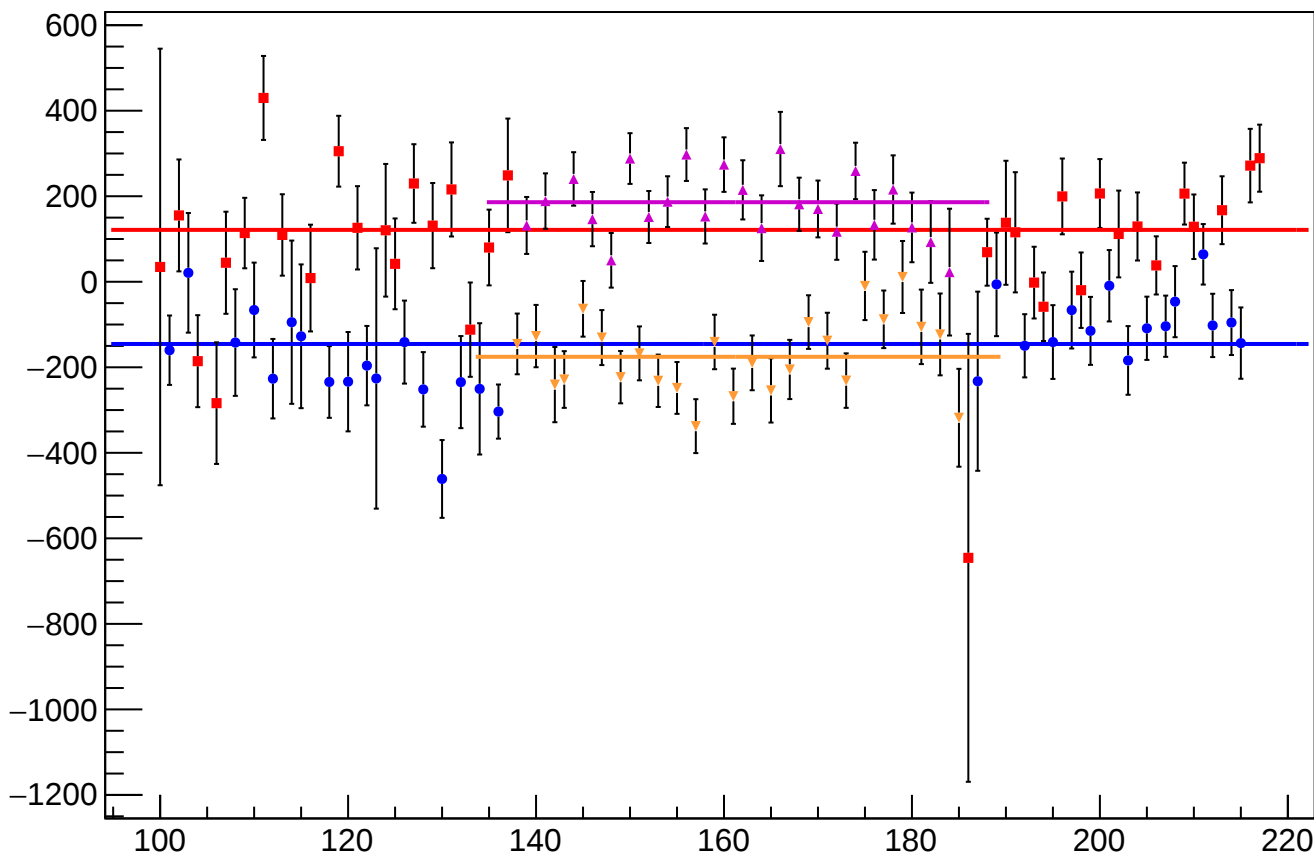
Left In: 308.727 $\pm$ 0.053 χ^2 /NDF:1002947.4/22

+ sign 343.754 $\pm$ 0.049 χ^2 /NDF: 10133406.7/43

All: 347.555 $\pm$ 0.036 χ^2 /NDF: 21144611.2/80

- sign 351.610 $\pm$ 0.051 χ^2 /NDF: 10999005.7/42

reg_asym_sam8_mean vs Slug



Right In: -145.499 ± 16.182 $\chi^2/\text{NDF}: 42.7/31$

Left Out: -175.471 ± 13.846 $\chi^2/\text{NDF}: 34.6/24$

Right Out: 121.334 ± 15.990 $\chi^2/\text{NDF}: 65.8/35$

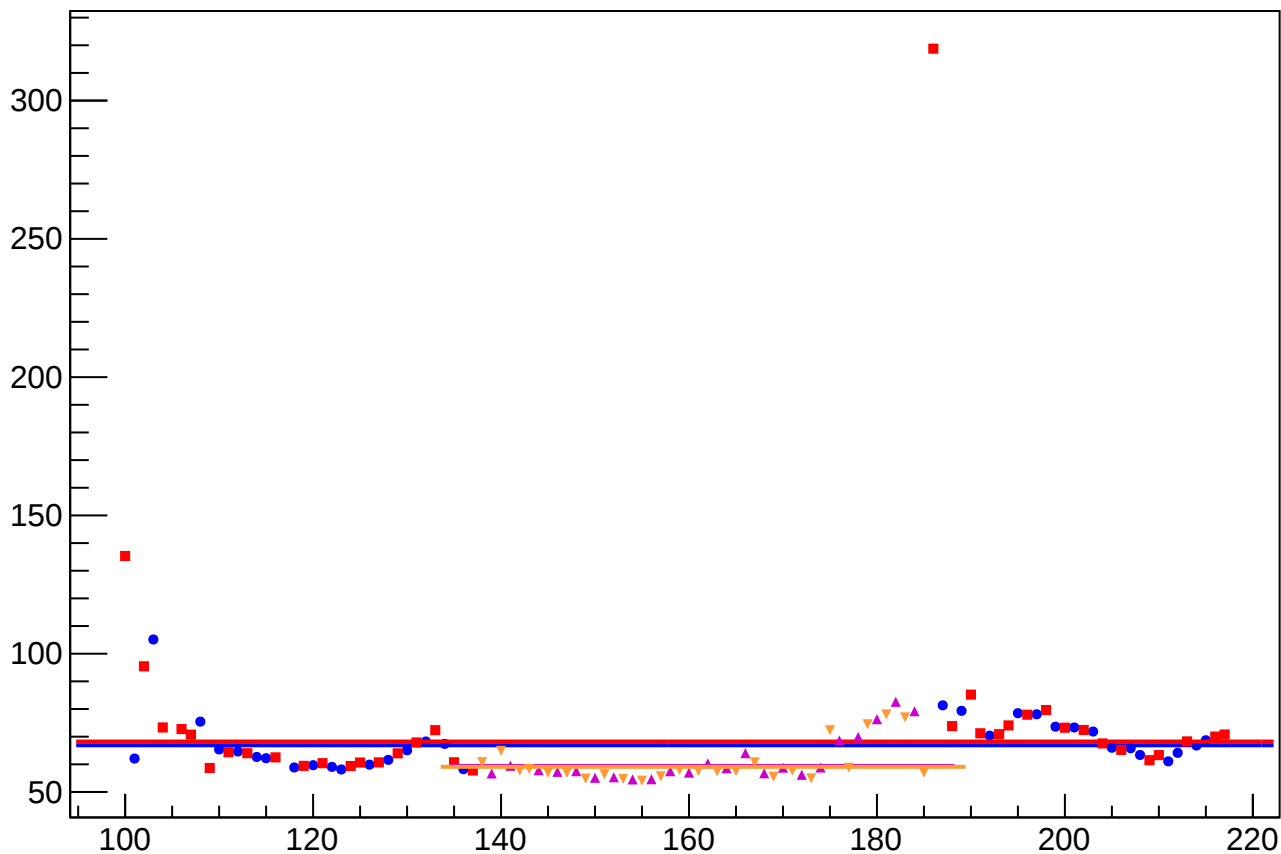
Left In: 186.047 ± 14.315 $\chi^2/\text{NDF}: 23.6/22$

+ sign -162.802 ± 10.520 $\chi^2/\text{NDF}: 79.3/56$

All: -4.970 ± 7.490 $\chi^2/\text{NDF}: 634.2/115$

- sign 157.257 ± 10.666 $\chi^2/\text{NDF}: 98.5/58$

reg_asym_sam8_rms vs Slug



Right In: 66.885 ± 0.011 χ^2/NDF : 425806.8/31

Left Out: 59.099 ± 0.010 χ^2/NDF : 369788.6/24

Right Out: 68.243 ± 0.011 χ^2/NDF : 875580.6/35

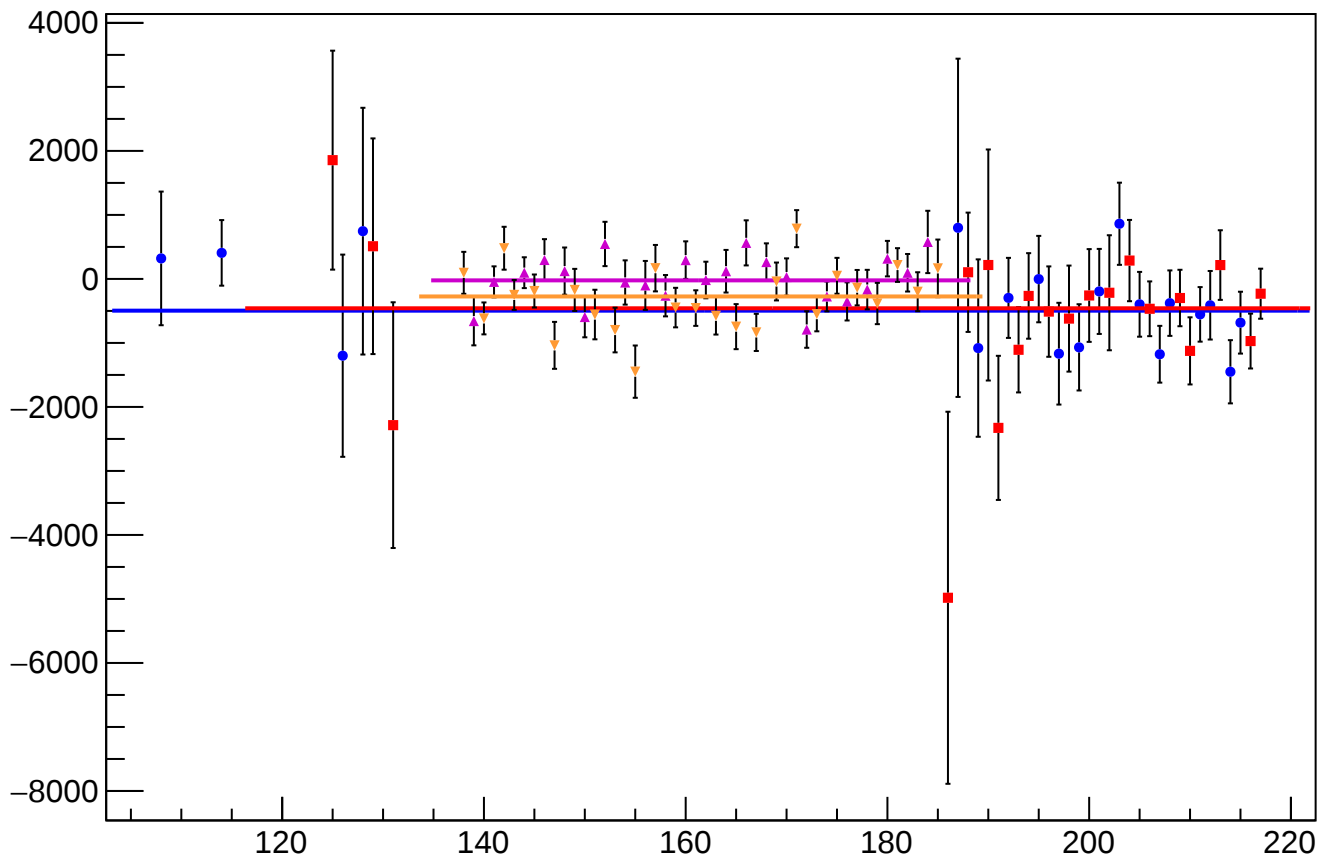
Left In: 59.410 ± 0.010 χ^2/NDF : 373052.7/22

+ sign 62.390 ± 0.007 χ^2/NDF : 1062891.3/56

All: 62.859 ± 0.005 χ^2/NDF : 2658341.2/115

- sign 63.340 ± 0.008 χ^2/NDF : 1587406.5/58

asym_sam8_correction_mean vs Slug



Right In: -495.947 ± 142.165 $\chi^2/\text{NDF}: 17.9/18$

Left Out: -274.091 ± 60.799 $\chi^2/\text{NDF}: 53.9/24$

Right Out: -458.943 ± 146.615 $\chi^2/\text{NDF}: 16.4/19$

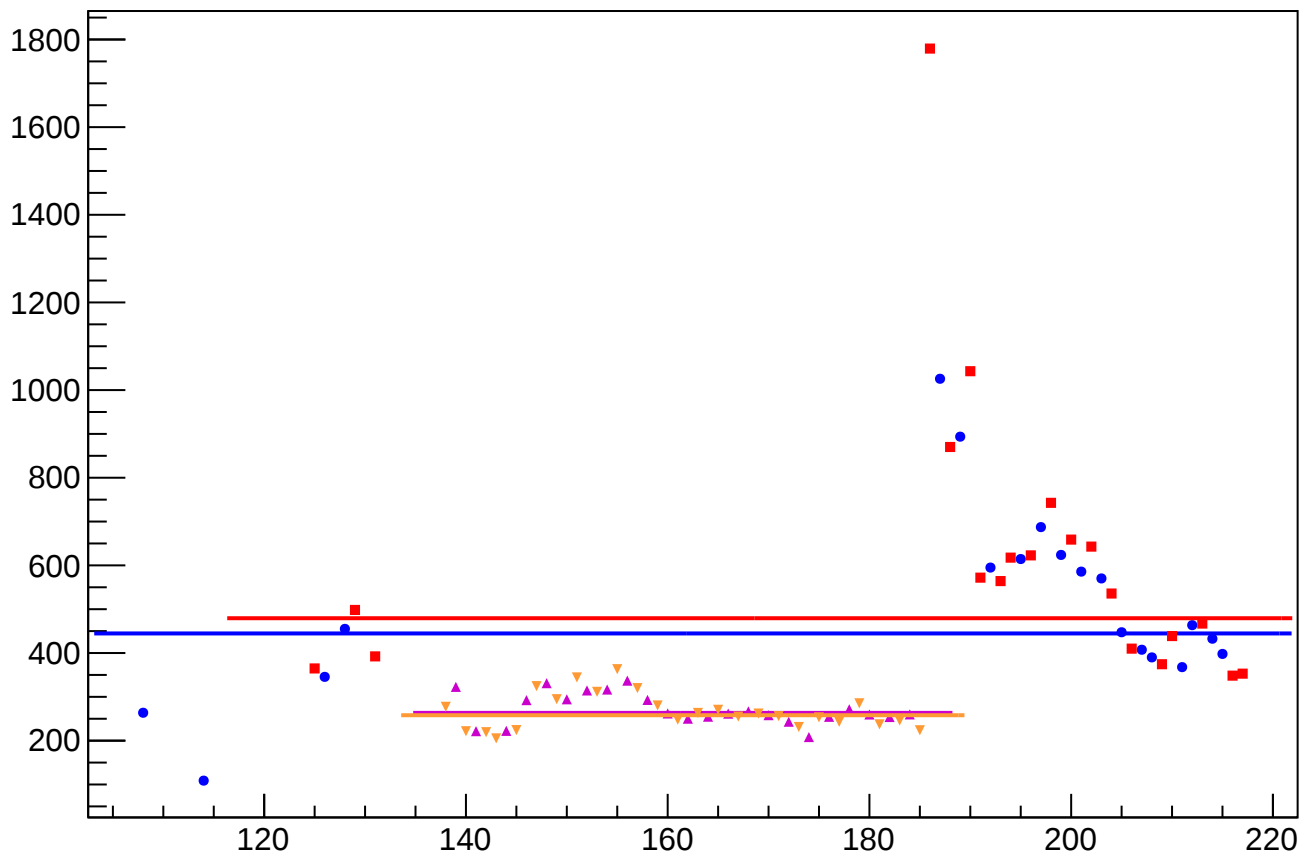
Left In: -22.631 ± 63.643 $\chi^2/\text{NDF}: 28.9/22$

+ sign -308.394 ± 55.902 $\chi^2/\text{NDF}: 73.8/43$

All: -204.796 ± 40.376 $\chi^2/\text{NDF}: 133.8/86$

- sign -91.809 ± 58.380 $\chi^2/\text{NDF}: 52.7/42$

asym_sam8_correction_rms vs Slug



Right In: 444.675+/-0.101 χ^2/NDF : 2095337.9/18

Left Out: 258.040+/-0.043 χ^2/NDF : 724823.3/24

Right Out: 479.402+/-0.104 χ^2/NDF : 2155895.1/19

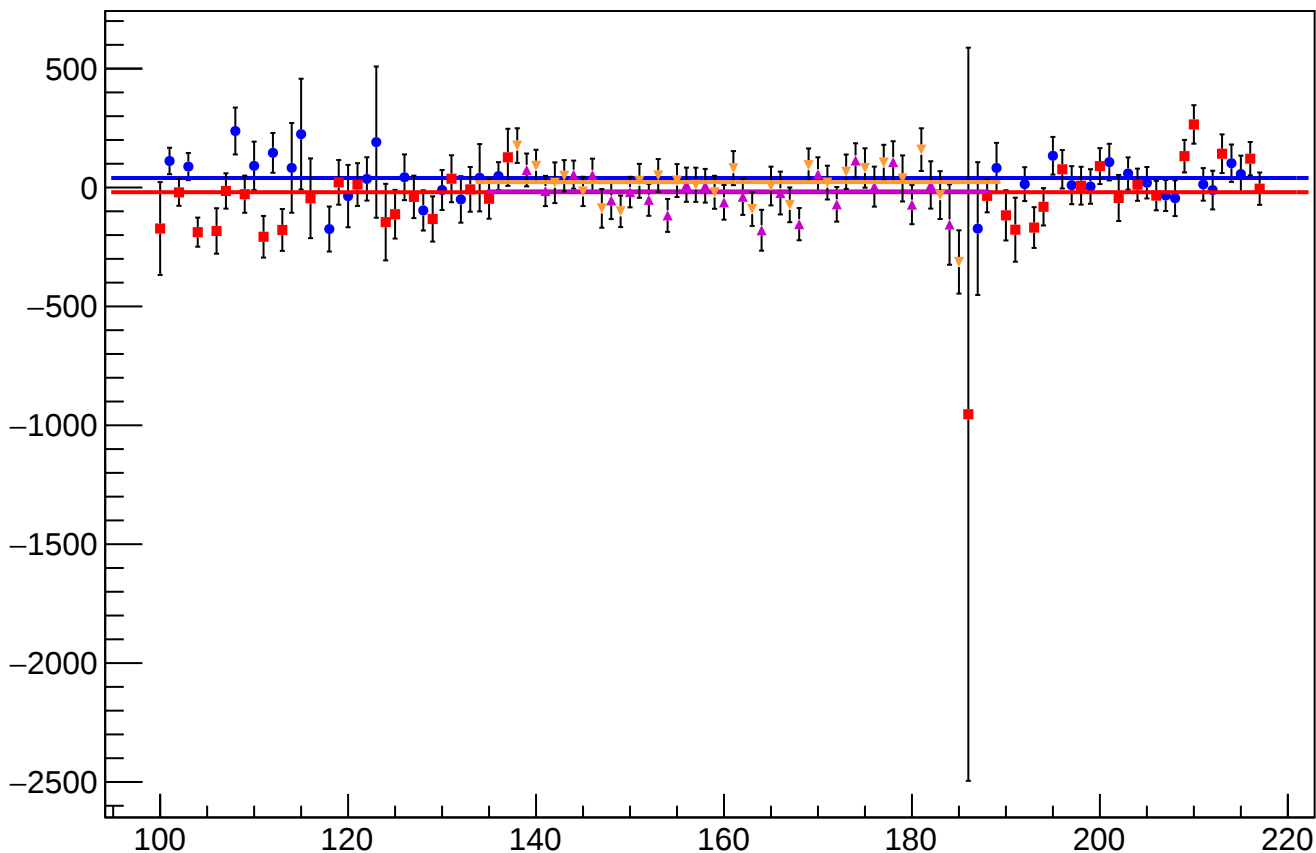
Left In: 263.397+/-0.045 χ^2/NDF : 585600.2/22

+ sign 286.898+/-0.040 χ^2/NDF : 5734126.2/43

All: 292.038+/-0.029 χ^2/NDF : 12163804.4/80

- sign 297.645+/-0.041 χ^2/NDF : 6394320.4/42

reg_asym_sam_15_avg_mean vs Slug



Right In: 39.977 ± 14.626 χ^2/NDF : 25.8/31

Left Out: 22.871 ± 14.968 χ^2/NDF : 29.0/24

Right Out: -19.656 ± 14.070 χ^2/NDF : 59.6/35

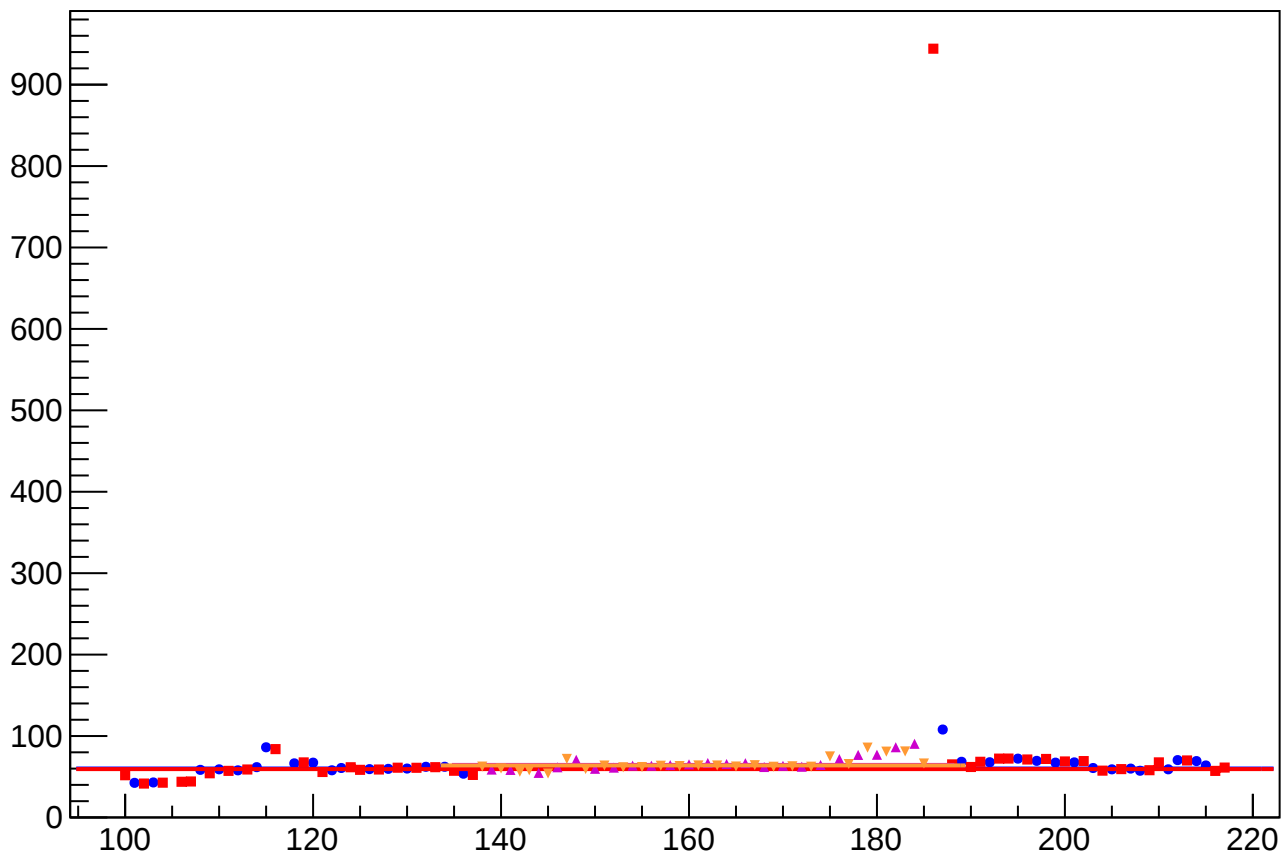
Left In: -16.198 ± 15.531 χ^2/NDF : 23.3/22

+ sign 31.621 ± 10.461 χ^2/NDF : 55.4/56

All: 6.681 ± 7.385 χ^2/NDF : 149.8/115

- sign -18.098 ± 10.427 χ^2/NDF : 83.0/58

reg_asym_sam_15_avg_rms vs Slug



Right In: 60.100 $\pm$ 0.010 χ^2 /NDF: 722787.3/31

Left Out: 63.920 $\pm$ 0.011 χ^2 /NDF: 395410.4/24

Right Out: 59.385 $\pm$ 0.010 χ^2 /NDF: 1556395.6/35

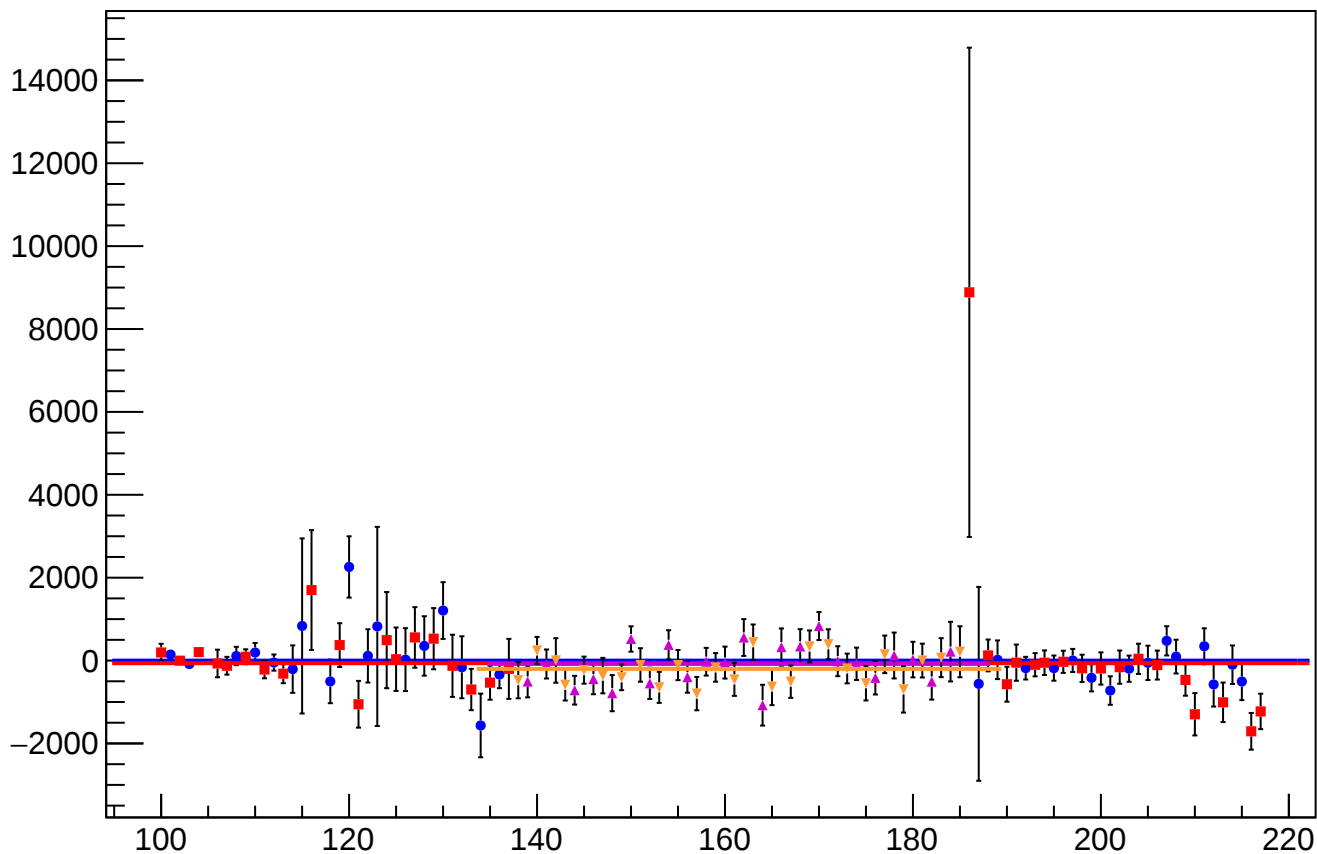
Left In: 64.511 $\pm$ 0.011 χ^2 /NDF: 370515.2/22

+ sign 61.966 $\pm$ 0.007 χ^2 /NDF: 1184838.3/56

All: 61.830 $\pm$ 0.005 χ^2 /NDF: 3232053.7/115

- sign 61.696 $\pm$ 0.007 χ^2 /NDF: 2046546.9/58

asym_sam_15_avg_correction_mean vs Slug



Right In: -1.603 ± 45.447 χ^2/NDF : 36.7/31

Left Out: -201.082 ± 79.549 χ^2/NDF : 19.7/24

Right Out: -63.113 ± 46.053 χ^2/NDF : 57.8/35

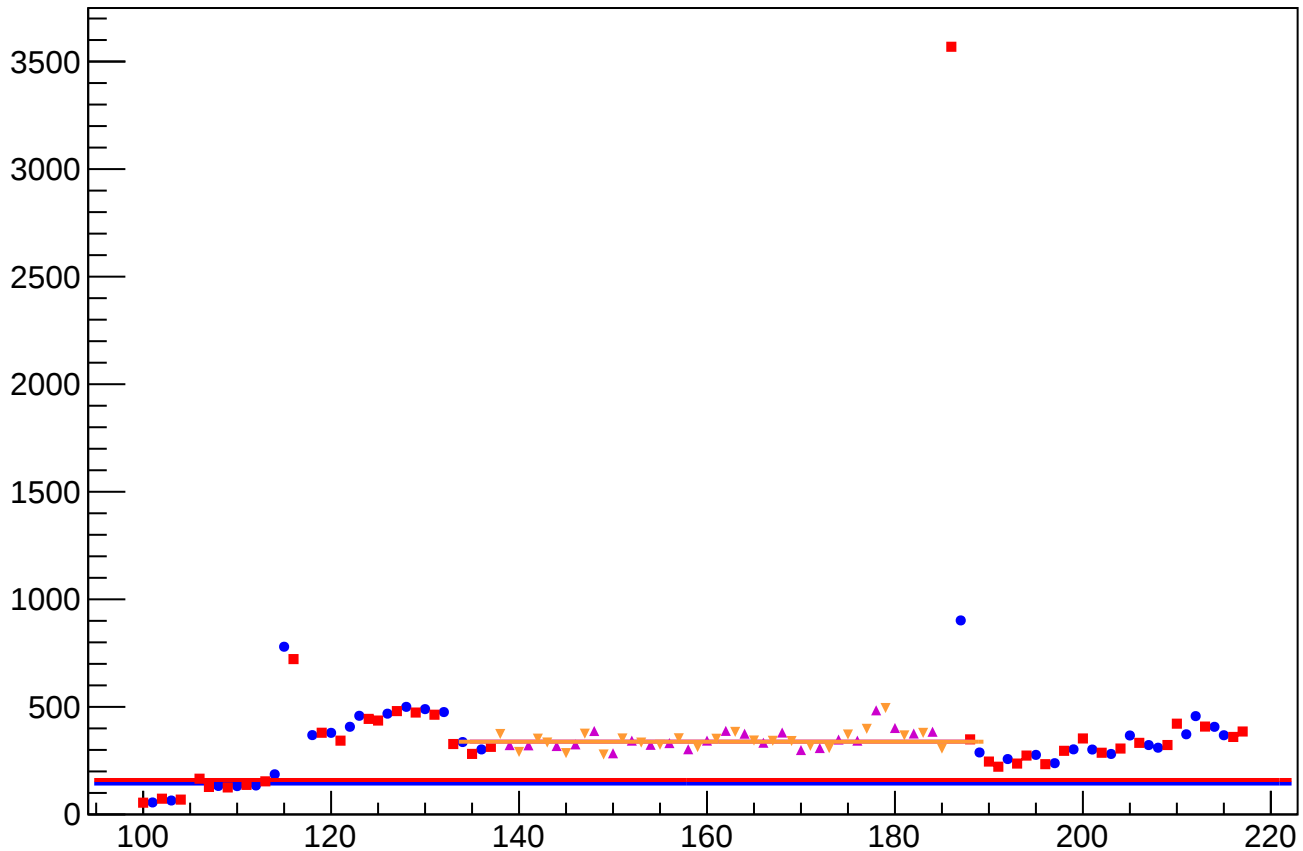
Left In: -79.985 ± 81.781 χ^2/NDF : 33.4/22

+ sign -50.690 ± 39.461 χ^2/NDF : 61.1/56

All: -58.794 ± 28.136 χ^2/NDF : 152.5/115

- sign -67.175 ± 40.128 χ^2/NDF : 91.3/58

asym_sam_15_avg_correction_rms vs Slug



Right In: 143.673+/-0.032 χ^2/NDF : 13911617.6/31

Left Out: 338.130+/-0.056 χ^2/NDF : 498601.7/24

Right Out: 160.198+/-0.033 χ^2/NDF : 12726012.9/35

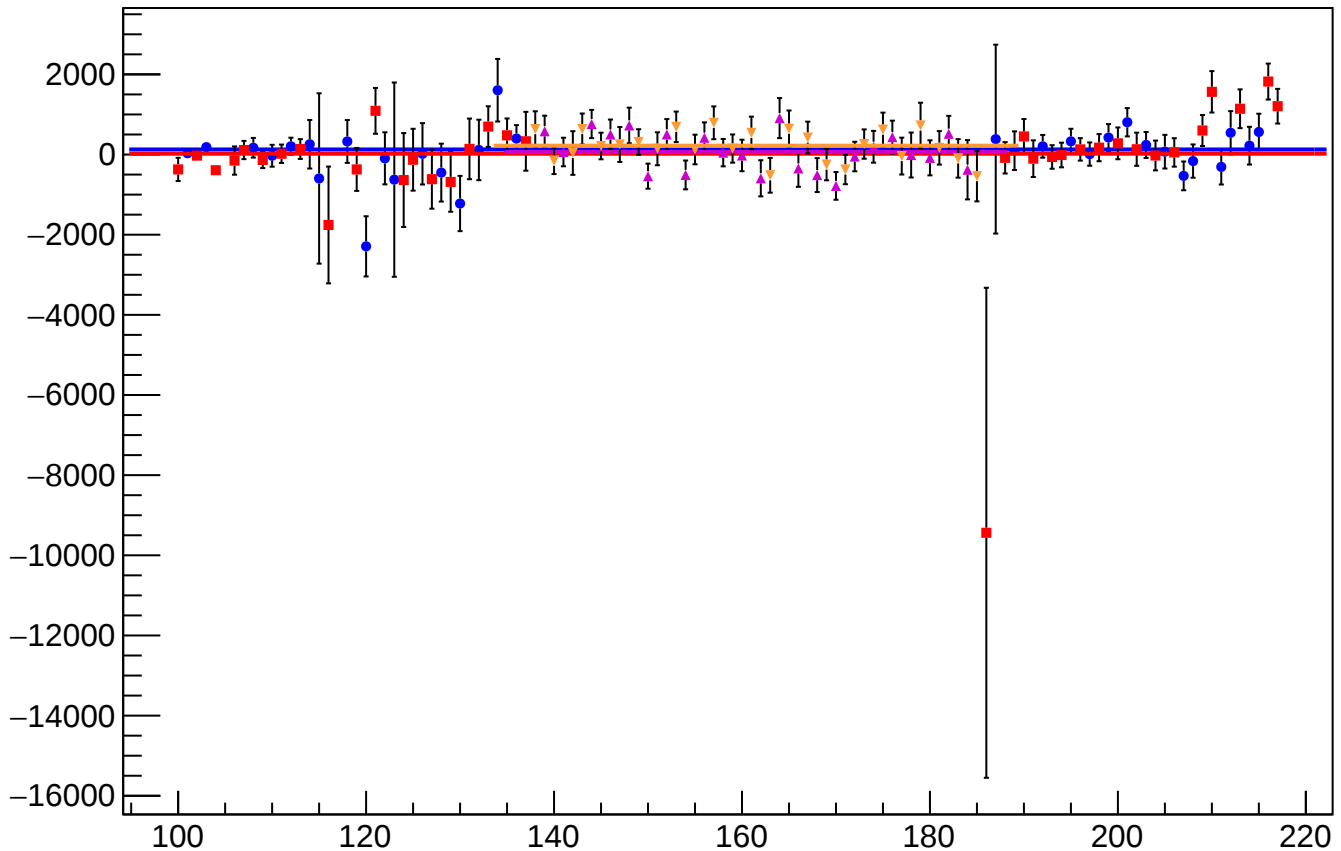
Left In: 338.564+/-0.058 χ^2/NDF : 437243.0/22

+ sign 191.524+/-0.028 χ^2/NDF : 23420538.9/56

All: 197.235+/-0.020 χ^2/NDF : 43892139.8/1

- sign 203.142+/-0.028 χ^2/NDF : 20386364.0/58

asym_sam_15_avg_mean vs Slug



Right In: 126.861 $\pm$ 53.228 χ^2 /NDF: 32.8/31

Left Out: 221.083 $\pm$ 81.018 χ^2 /NDF:19.7/24

Right Out: 20.782 $\pm$ 51.132 χ^2 /NDF: 70.2/35

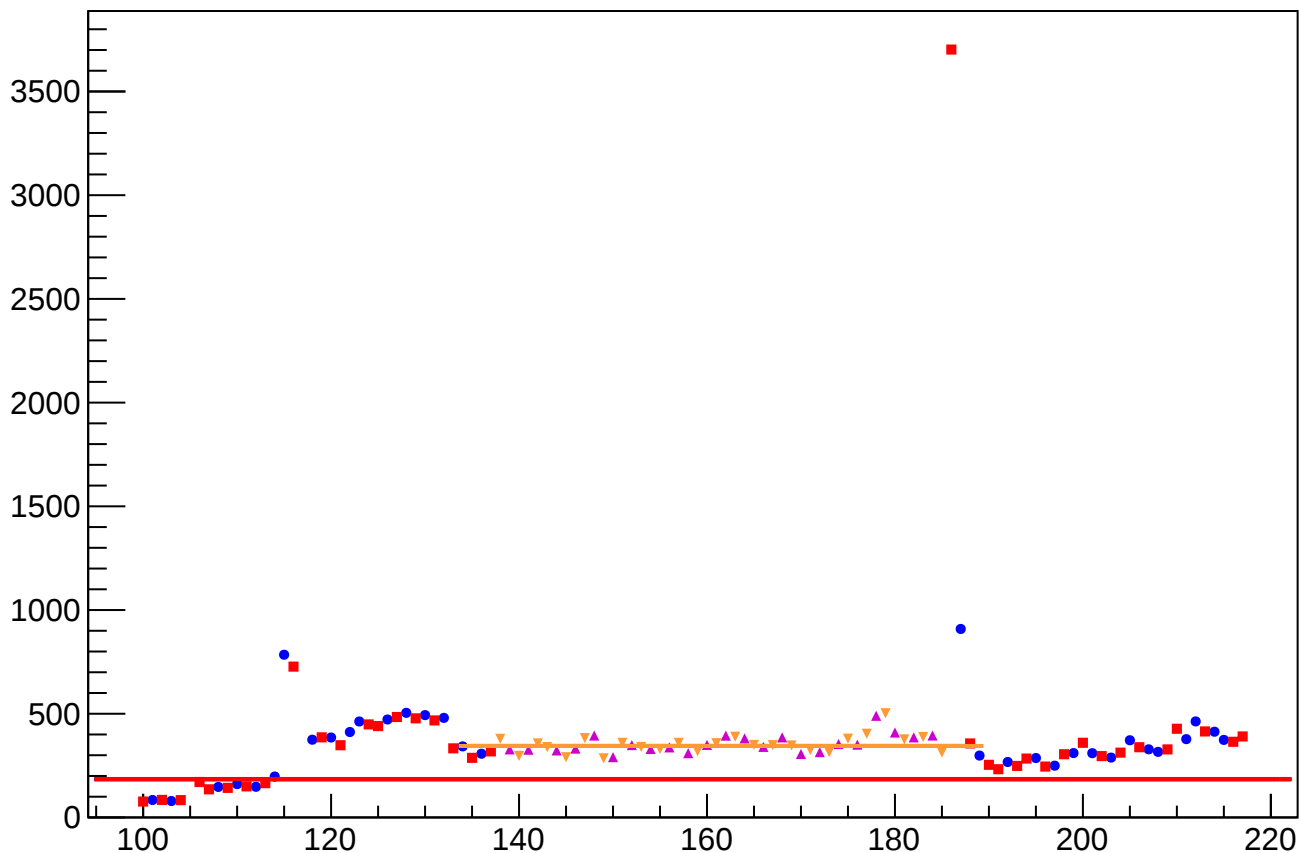
Left In: 65.510 $\pm$ 83.319 χ^2 /NDF:34.0/22

+ sign 155.268 $\pm$ 44.486 χ^2 /NDF: 53.5/56

All: 92.886 $\pm$ 31.131 χ^2 /NDF: 161.7/115

- sign 33.019 $\pm$ 43.580 χ^2 /NDF: 104.4/58

asym_sam_15_avg_rms vs Slug



Right In: 183.397+/-0.038 χ^2/NDF : 10462289.0/31

Left Out: 344.506+/-0.057 χ^2/NDF : 488323.4/24

Right Out: 185.595+/-0.036 χ^2/NDF : 10626877.1/35

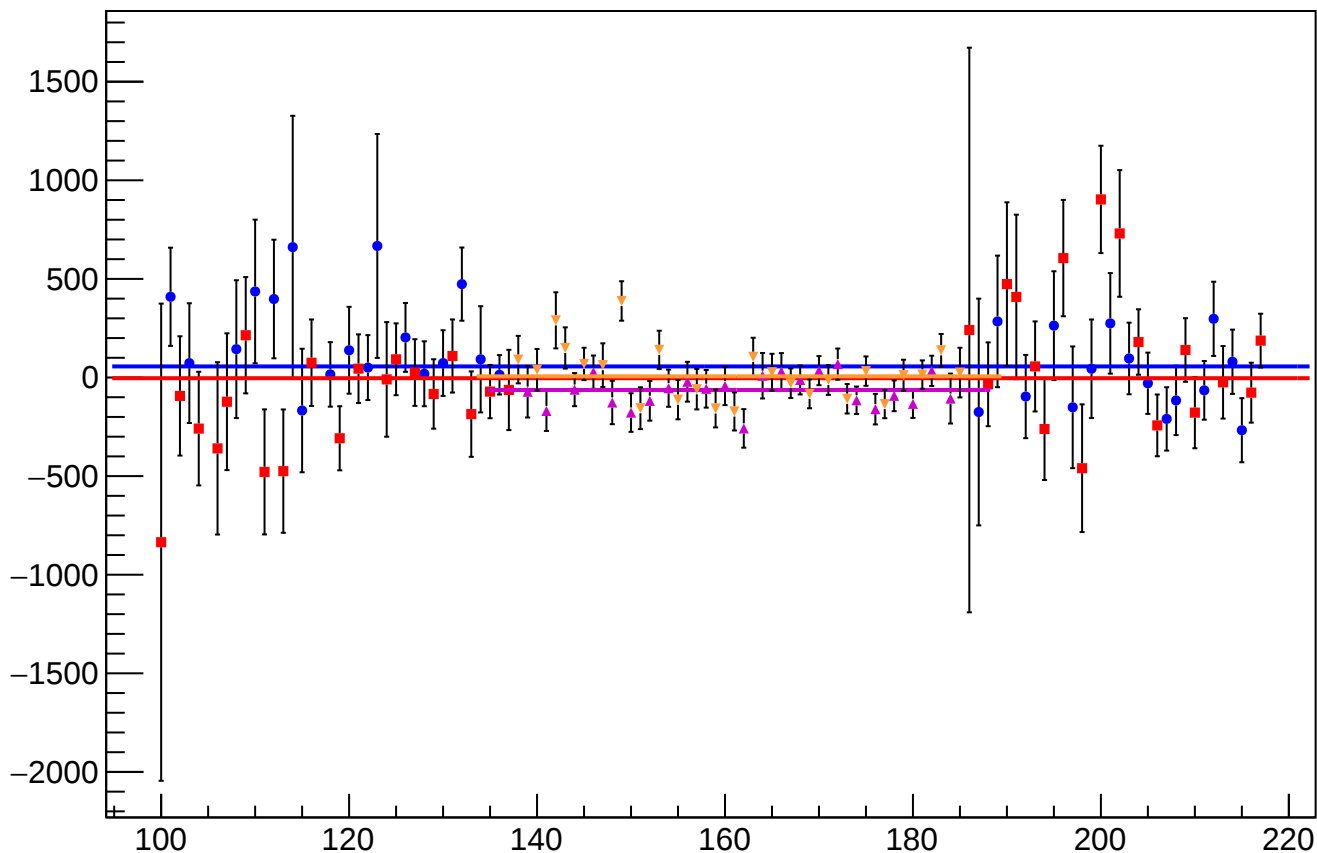
Left In: 345.039+/-0.059 χ^2/NDF : 427381.3/22

+ sign 231.971+/-0.031 χ^2/NDF : 16474802.8/56

All: 230.565+/-0.022 χ^2/NDF : 32853428.9/1

- sign 229.216+/-0.031 χ^2/NDF : 16374712.2/58

reg_asym_sam_26_avg_mean vs Slug



Right In: 56.225 $\pm$ 35.481 χ^2 /NDF: 26.4/31

Left Out: 6.020 $\pm$ 17.910 χ^2 /NDF: 46.0/24

Right Out: -3.475 $\pm$ 35.700 χ^2 /NDF: 46.3/35

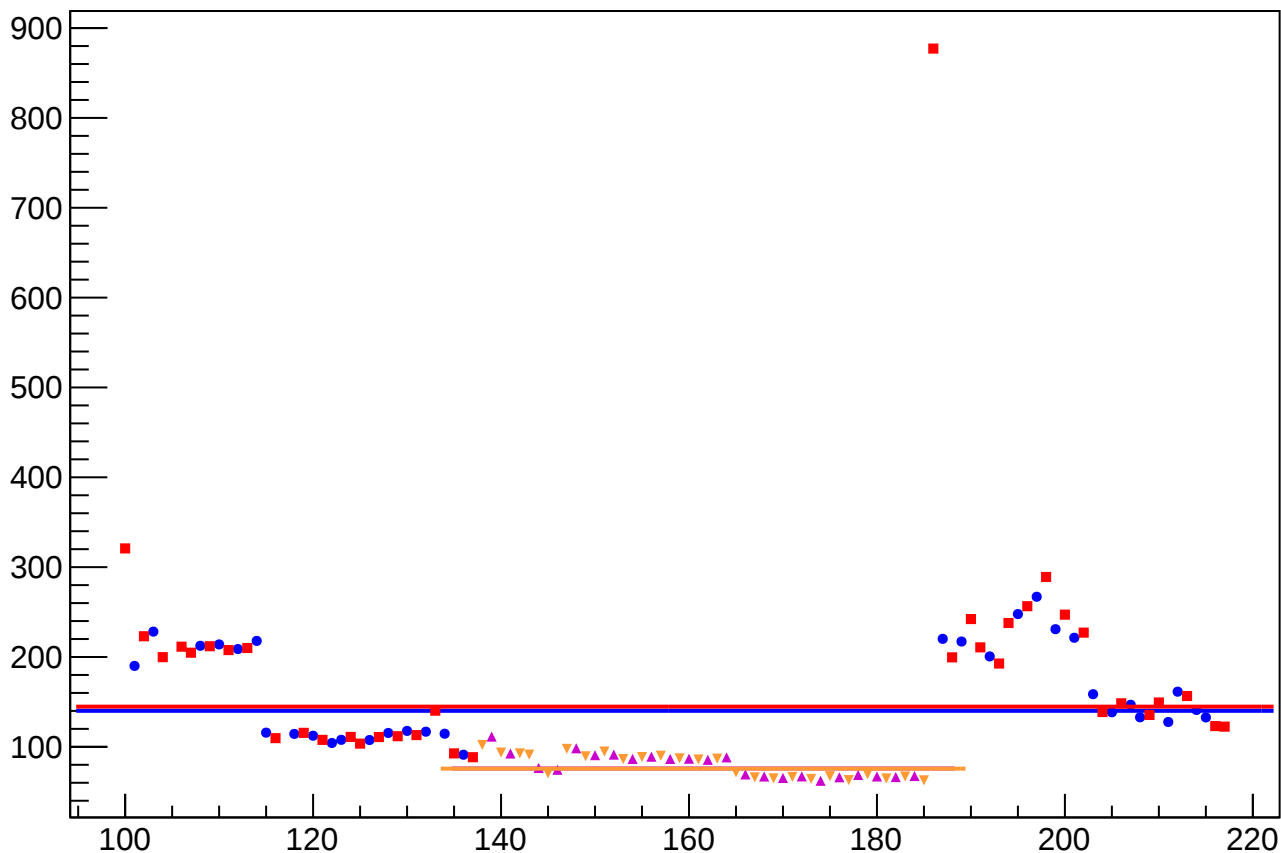
Left In: -63.279 $\pm$ 18.447 χ^2 /NDF: 19.8/22

+ sign 16.214 $\pm$ 15.988 χ^2 /NDF: 74.0/56

All: -16.406 $\pm$ 11.444 χ^2 /NDF: 150.9/115

- sign -50.677 $\pm$ 16.388 χ^2 /NDF: 68.3/58

reg_asym_sam_26_avg_rms vs Slug



Right In: 140.100 $\pm$ 0.025 χ^2 /NDF: 2915061.6/31

Left Out: 75.743 $\pm$ 0.013 χ^2 /NDF:937821.8/24

Right Out: 144.731 $\pm$ 0.025 χ^2 /NDF: 3997685.4/35

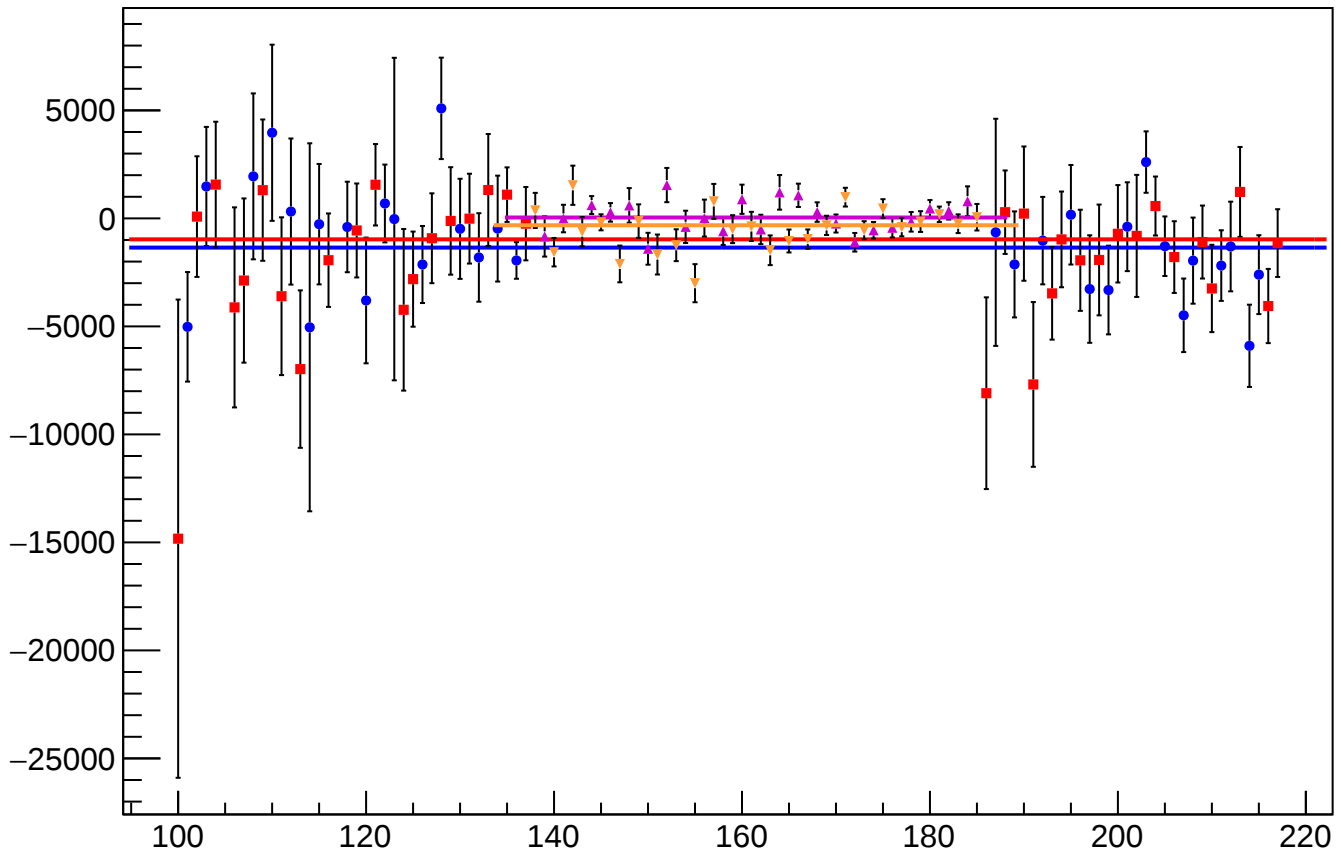
Left In: 75.909 $\pm$ 0.013 χ^2 /NDF:831366.4/22

+ sign 88.811 $\pm$ 0.011 χ^2 /NDF: 9096832.4/56

All: 89.592 $\pm$ 0.008 χ^2 /NDF: 19801879.6/115

- sign 90.412 $\pm$ 0.012 χ^2 /NDF: 10695272.2/58

asym_sam_26_avg_correction_mean vs Slug



Right In: -1352.502 ± 356.630 χ^2/NDF : 36.9/31

Left Out: -318.064 ± 108.014 χ^2/NDF : 50.0/24

Right Out: -970.100 ± 367.988 χ^2/NDF : 29.5/35

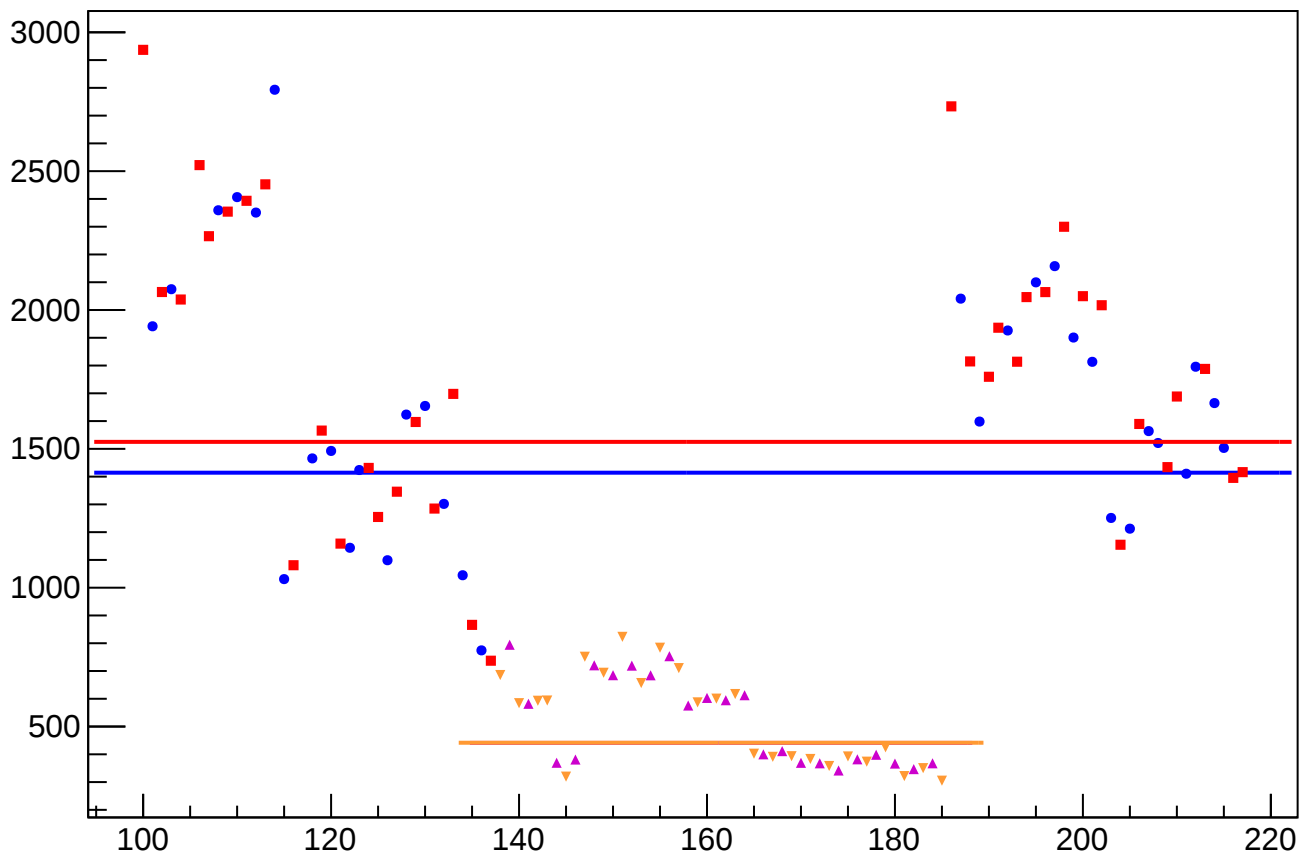
Left In: 40.473 ± 110.252 χ^2/NDF : 34.7/22

+ sign -404.982 ± 103.376 χ^2/NDF : 94.7/56

All: -227.754 ± 73.876 χ^2/NDF : 171.8/115

- sign -42.769 ± 105.614 χ^2/NDF : 71.1/58

asym_sam_26_avg_correction_rms vs Slug



Right In: 1414.151 $\pm$ 0.252 χ^2/NDF : 2930116.6/31

Left Out: 441.685 $\pm$ 0.076 χ^2/NDF : 3169140.9/24

Right Out: 1525.131 $\pm$ 0.260 χ^2/NDF : 2982678.5/35

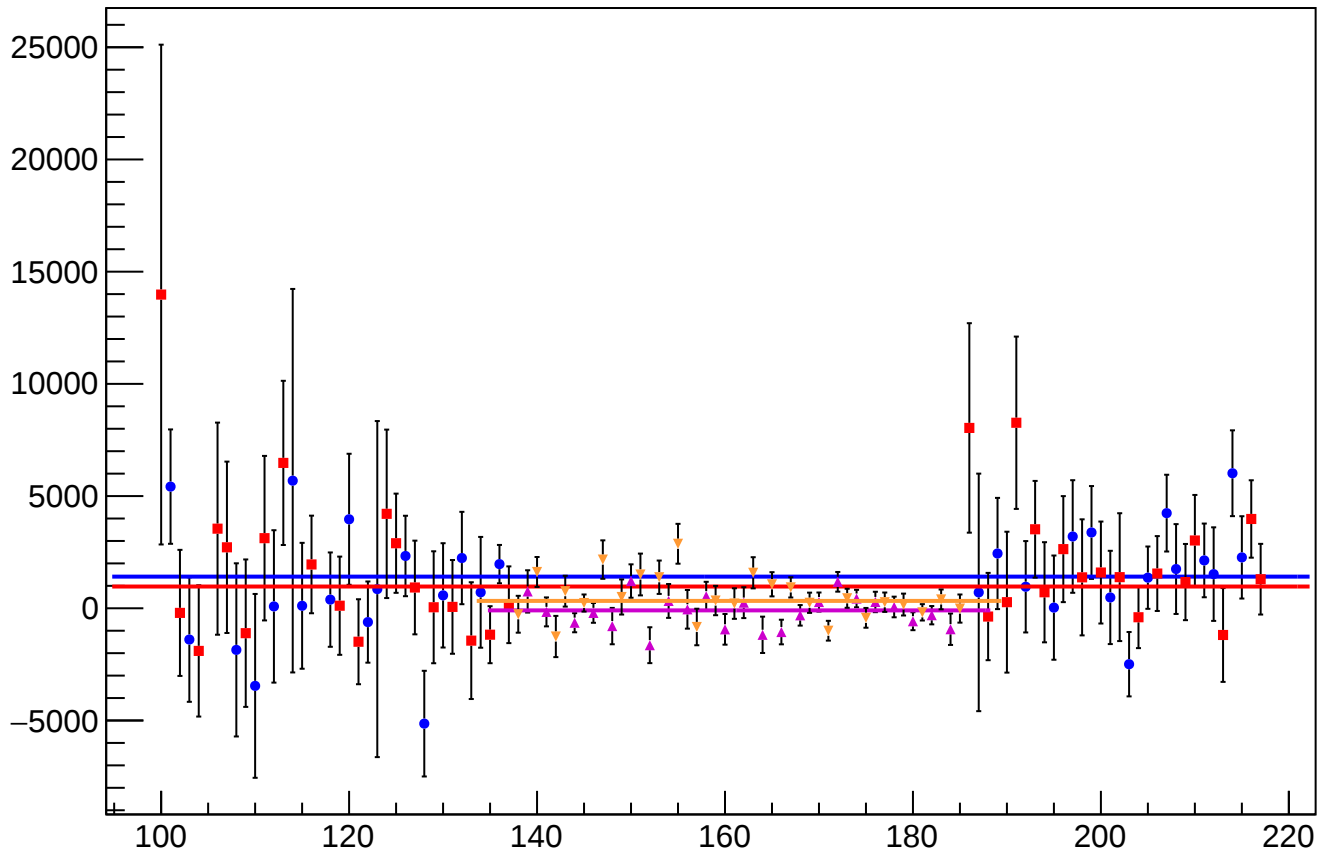
Left In: 441.009 $\pm$ 0.078 χ^2/NDF : 2597018.1/22

+ sign 523.396 $\pm$ 0.073 χ^2/NDF : 19720853.0/56

All: 526.778 $\pm$ 0.052 χ^2/NDF : 41233861.7/1

- sign 530.309 $\pm$ 0.075 χ^2/NDF : 21508631.8/58

asym_sam_26_avg_mean vs Slug



Right In: 1410.846 $\pm$ 358.790 χ^2 /NDF: 35.9/31

Left Out: 328.599 $\pm$ 109.668 χ^2 /NDF: 47.7/24

Right Out: 969.512 $\pm$ 370.178 χ^2 /NDF: 28.6/35

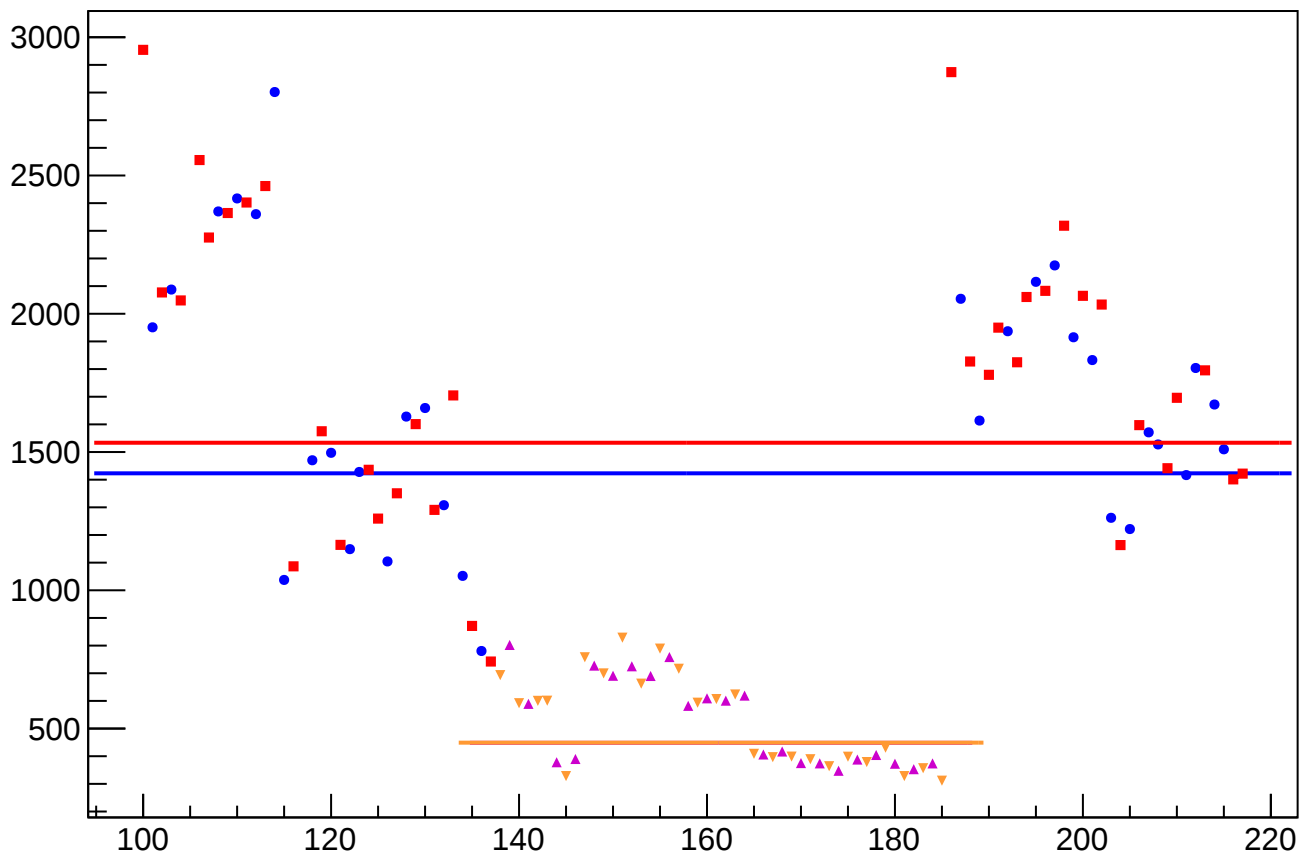
Left In: -93.310 $\pm$ 111.960 χ^2 /NDF: 33.3/22

+ sign 421.072 $\pm$ 104.878 χ^2 /NDF: 92.0/56

All: 213.005 $\pm$ 74.956 χ^2 /NDF: 169.5/115

- sign -4.237 $\pm$ 107.166 χ^2 /NDF: 69.5/58

asym_sam_26_avg_rms vs Slug



Right In: 1423.011 $\pm$ 0.254 χ^2 /NDF: 2918524.0/31

Left Out: 449.016 $\pm$ 0.078 χ^2 /NDF: 3090476.2/24

Right Out: 1533.595 $\pm$ 0.262 χ^2 /NDF: 3002617.5/35

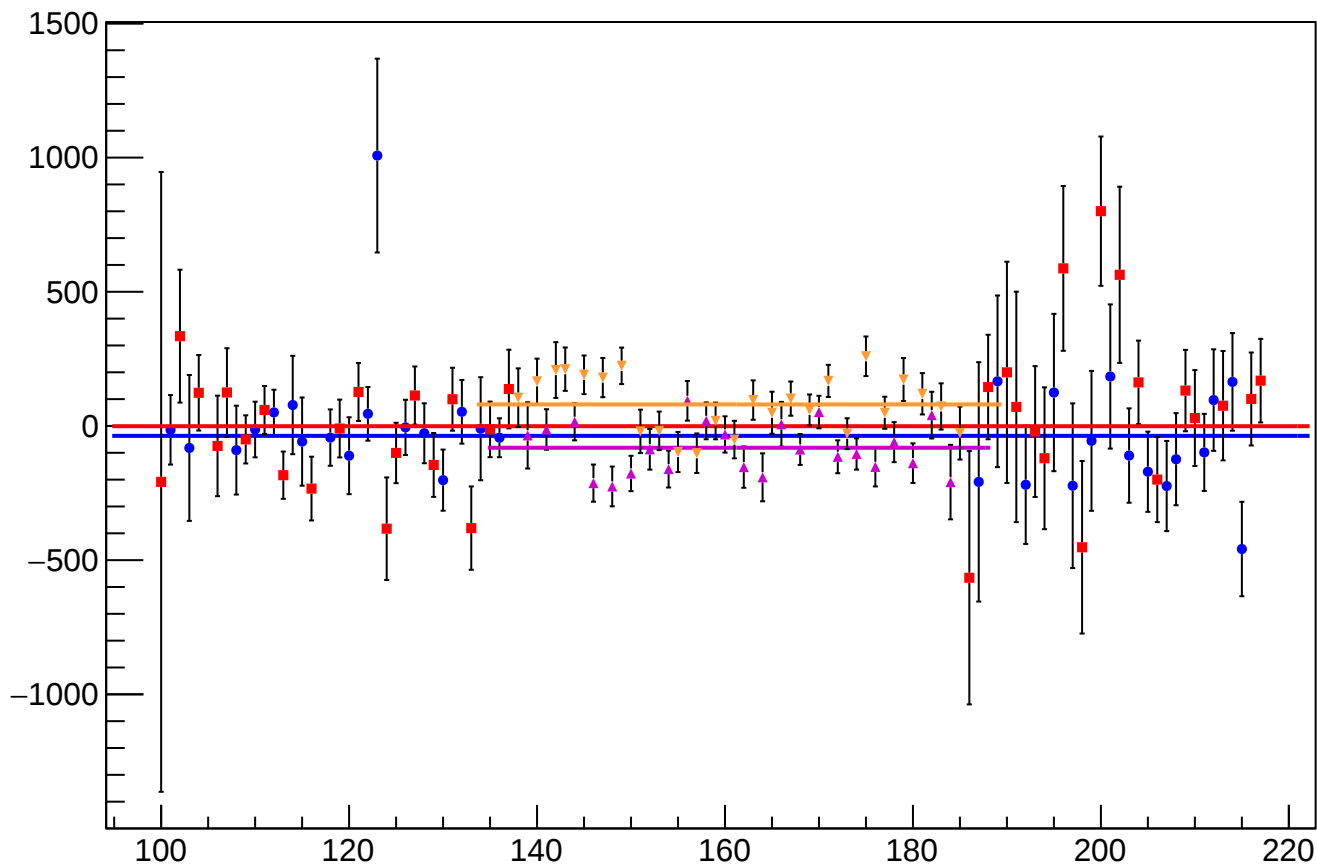
Left In: 448.307 $\pm$ 0.079 χ^2 /NDF: 2537376.0/22

+ sign 532.240 $\pm$ 0.074 χ^2 /NDF: 19488415.6/56

All: 535.676 $\pm$ 0.053 χ^2 /NDF: 40782960.2/11

- sign 539.263 $\pm$ 0.076 χ^2 /NDF: 21290156.5/58

reg_asym_sam_37_avg_mean vs Slug



Right In: -36.832 ± 25.251 χ^2/NDF : 26.5/31

Left Out: 80.171 ± 14.592 χ^2/NDF : 48.6/24

Right Out: -0.879 ± 24.684 χ^2/NDF : 53.2/35

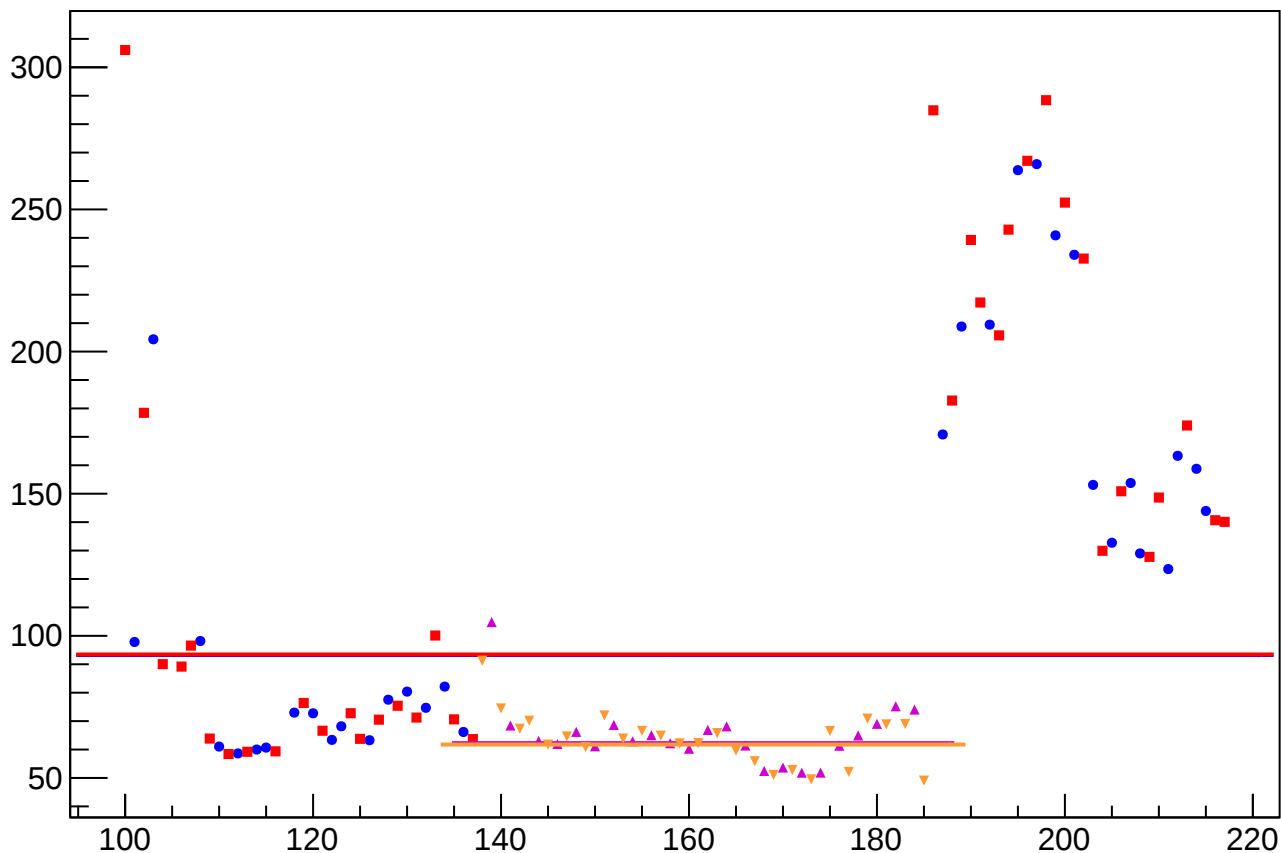
Left In: -81.156 ± 15.105 χ^2/NDF : 35.3/22

+ sign 50.879 ± 12.634 χ^2/NDF : 91.2/56

All: -3.123 ± 9.021 χ^2/NDF : 224.6/115

- sign -59.284 ± 12.884 χ^2/NDF : 96.2/58

reg_asym_sam_37_avg_rms vs Slug



Right In: 93.253 $\pm$ 0.018 χ^2 /NDF: 6769138.2/31

Left Out: 61.761 $\pm$ 0.010 χ^2 /NDF: 645535.0/24

Right Out: 93.439 $\pm$ 0.017 χ^2 /NDF: 7951195.3/35

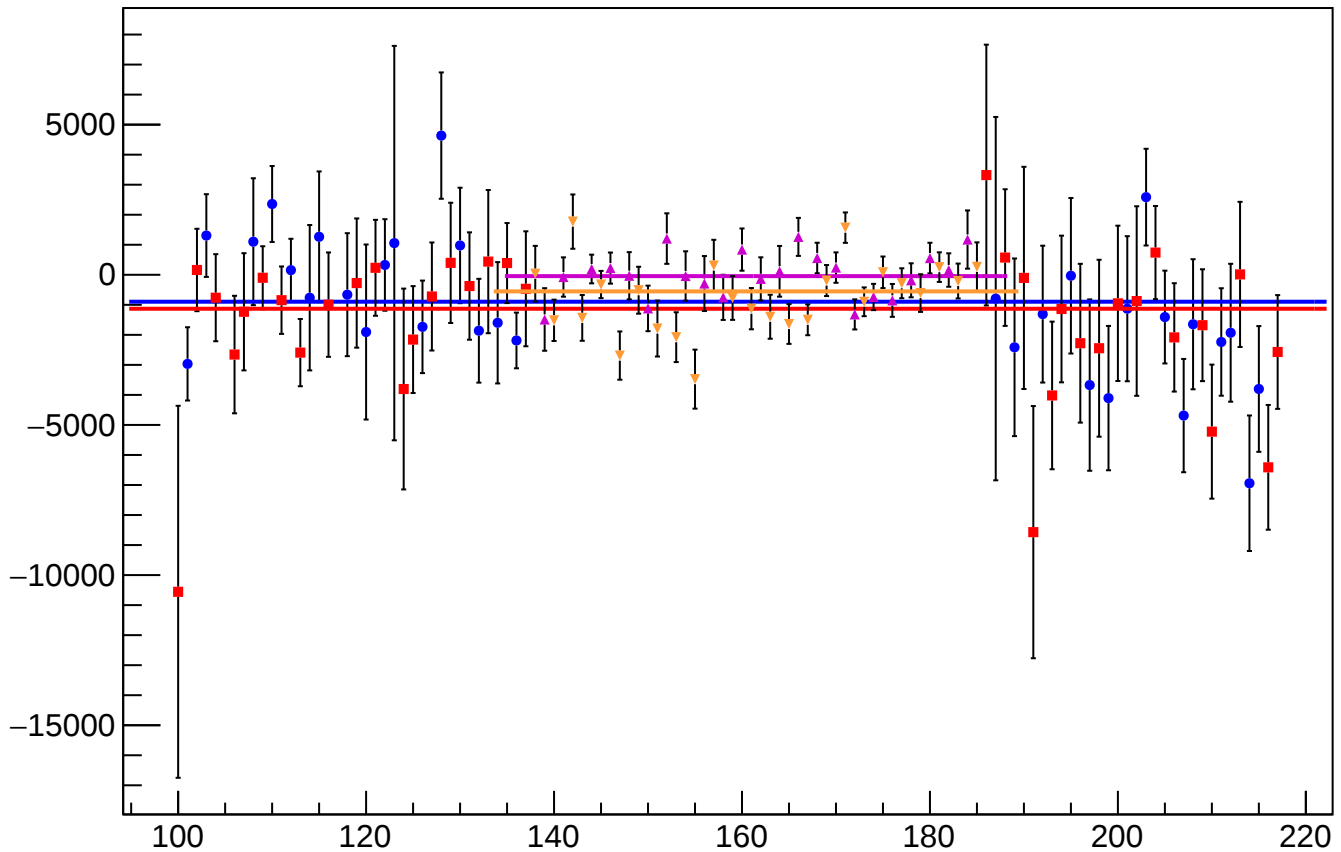
Left In: 62.250 $\pm$ 0.011 χ^2 /NDF: 591085.1/22

+ sign 69.645 $\pm$ 0.009 χ^2 /NDF: 9746782.5/56

All: 70.186 $\pm$ 0.006 χ^2 /NDF: 20619641.3/115

- sign 70.748 $\pm$ 0.009 χ^2 /NDF: 10865392.9/58

asym_sam_37_avg_correction_mean vs Slug



Right In: -896.618 ± 316.323 χ^2/NDF : 48.3/31

Left Out: -552.511 ± 126.981 χ^2/NDF : 65.3/24

Right Out: -1131.021 ± 310.176 χ^2/NDF : 30.2/35

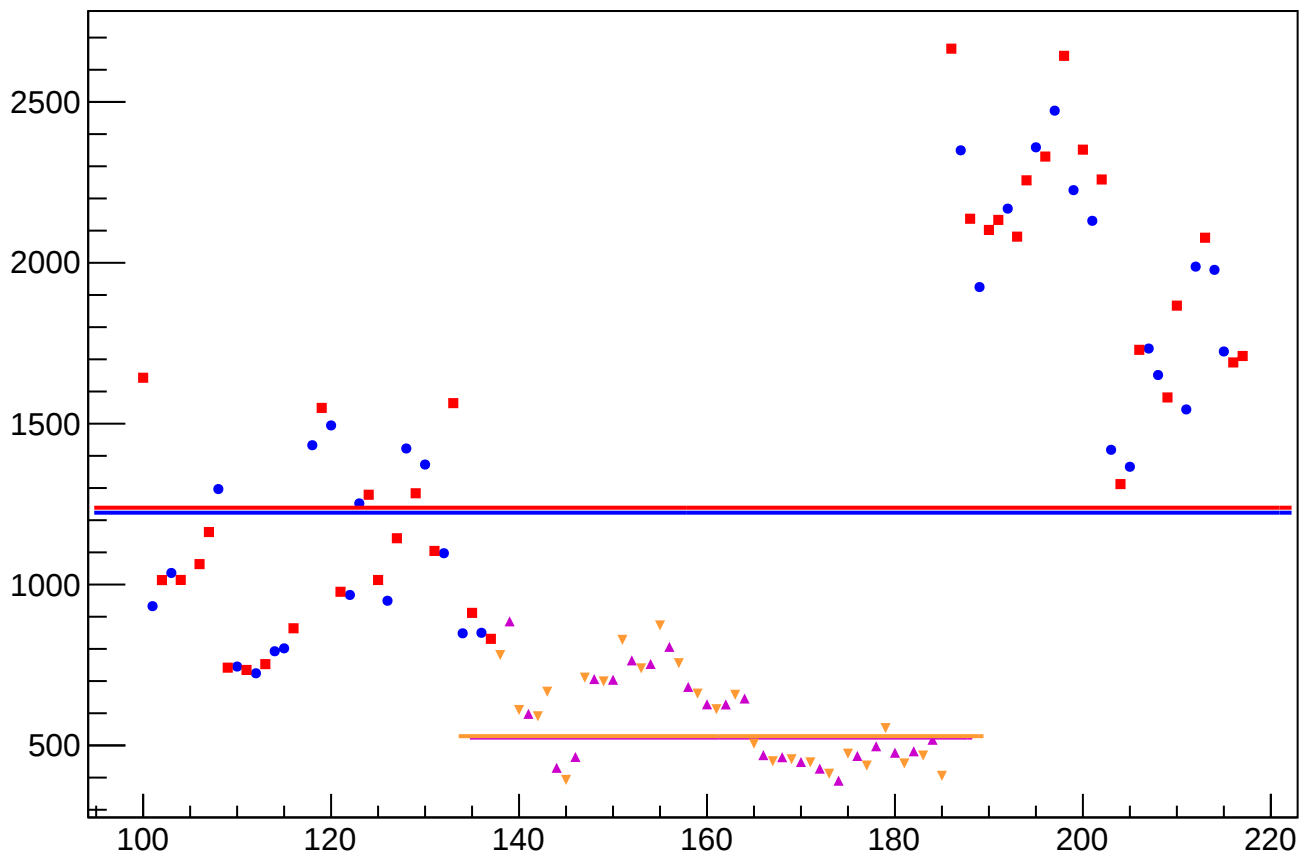
Left In: -44.578 ± 129.095 χ^2/NDF : 29.6/22

+ sign -600.266 ± 117.841 χ^2/NDF : 114.6/56

All: -404.866 ± 83.797 χ^2/NDF : 190.4/115

- sign -204.987 ± 119.184 χ^2/NDF : 70.2/58

asym_sam_37_avg_correction_rms vs Slug



Right In: 1223.344+/-0.224 χ^2/NDF : 4445338.5/31

Left Out: 528.736+/-0.090 χ^2/NDF :1983697.7/24

Right Out: 1238.859+/-0.219 χ^2/NDF : 5367230.5/35

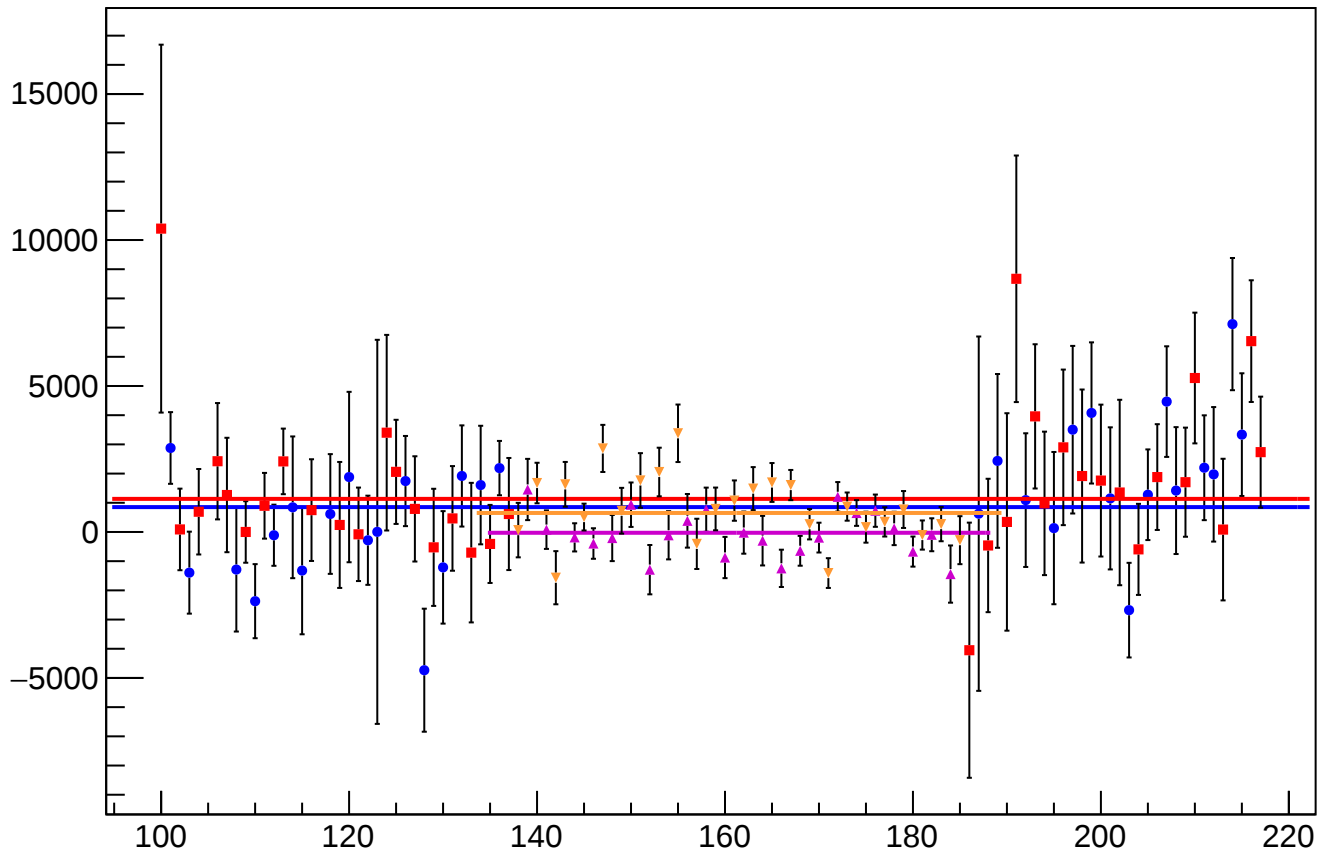
Left In: 524.268+/-0.091 χ^2/NDF :1716257.3/22

+ sign 625.134+/-0.083 χ^2/NDF : 14734438.2/56

All: 627.428+/-0.059 χ^2/NDF : 30867398.7/1

- sign 629.774+/-0.084 χ^2/NDF : 16131427.4/58

asym_sam_37_avg_mean vs Slug



Right In: 851.828 ± 317.790 χ^2/NDF : 47.8/31

Left Out: 651.560 ± 127.961 χ^2/NDF : 61.1/24

Right Out: 1133.807 ± 311.713 χ^2/NDF : 29.7/35

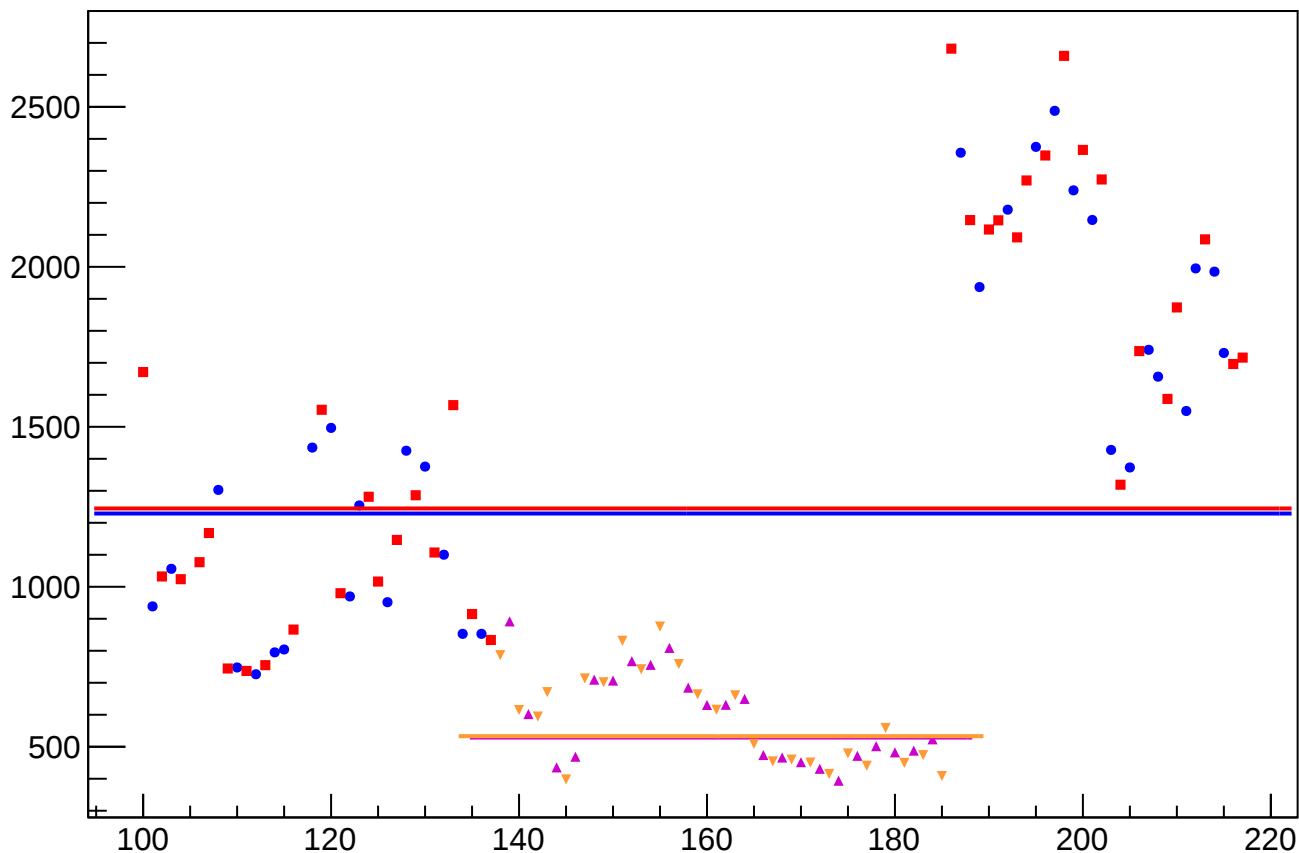
Left In: -27.483 ± 130.127 χ^2/NDF : 28.5/22

+ sign 679.500 ± 118.700 χ^2/NDF : 109.2/56

All: 415.278 ± 84.418 χ^2/NDF : 189.2/115

- sign 144.860 ± 120.083 χ^2/NDF : 69.9/58

asym_sam_37_avg_rms vs Slug



Right In: 1228.934+/-0.225 χ^2/NDF : 4449683.5/31

Left Out: 533.060+/-0.090 χ^2/NDF : 1951536.4/24

Right Out: 1244.741+/-0.220 χ^2/NDF : 5373220.0/35

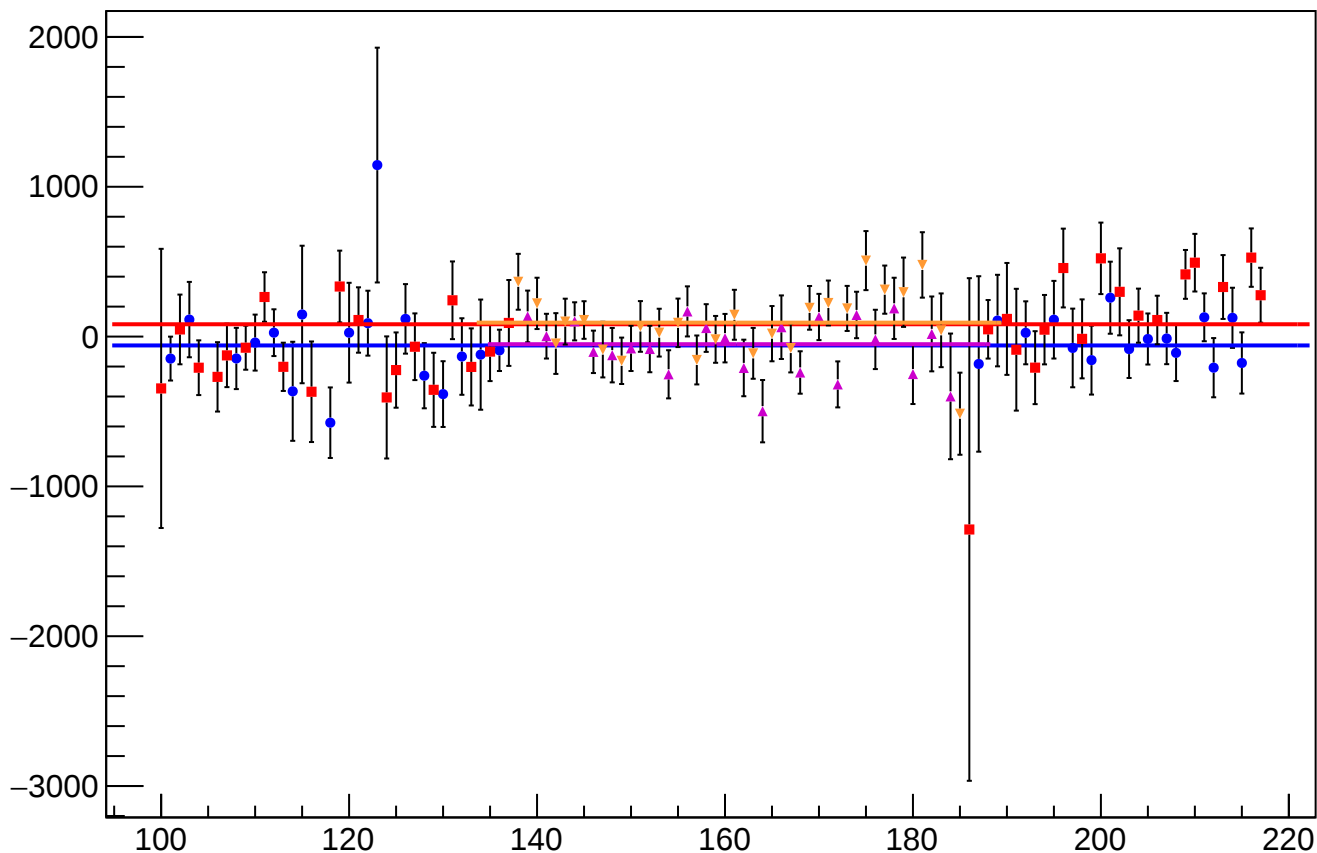
Left In: 528.694+/-0.092 χ^2/NDF : 1688511.2/22

+ sign 630.144+/-0.084 χ^2/NDF : 14653116.2/56

All: 632.525+/-0.060 χ^2/NDF : 30703868.3/11

- sign 634.960+/-0.085 χ^2/NDF : 16049125.1/58

reg_asym_sam_48_avg_mean vs Slug



Right In: -59.198 ± 37.939 χ^2/NDF : 20.1/31

Left Out: 92.994 ± 34.054 χ^2/NDF : 29.4/24

Right Out: 82.237 ± 36.994 χ^2/NDF : 48.4/35

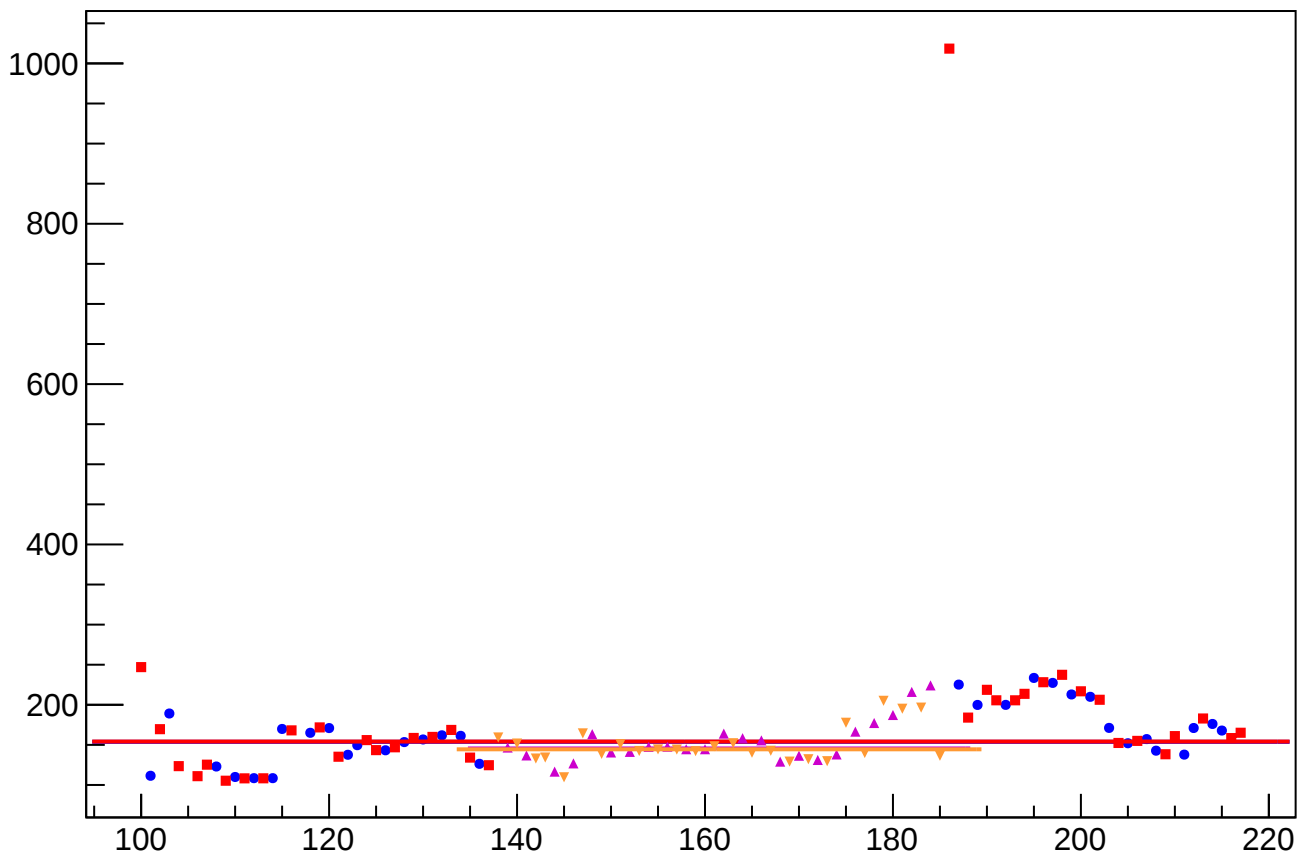
Left In: -50.896 ± 35.280 χ^2/NDF : 23.5/22

+ sign 25.088 ± 25.342 χ^2/NDF : 58.4/56

All: 18.847 ± 17.986 χ^2/NDF : 137.2/115

- sign 12.514 ± 25.531 χ^2/NDF : 78.6/58

reg_asym_sam_48_avg_rms vs Slug



Right In: 153.810 $\pm$ 0.027 χ^2 /NDF: 1529964.5/31

Left Out: 144.475 $\pm$ 0.024 χ^2 /NDF: 670488.7/24

Right Out: 154.176 $\pm$ 0.026 χ^2 /NDF: 2331336.7/35

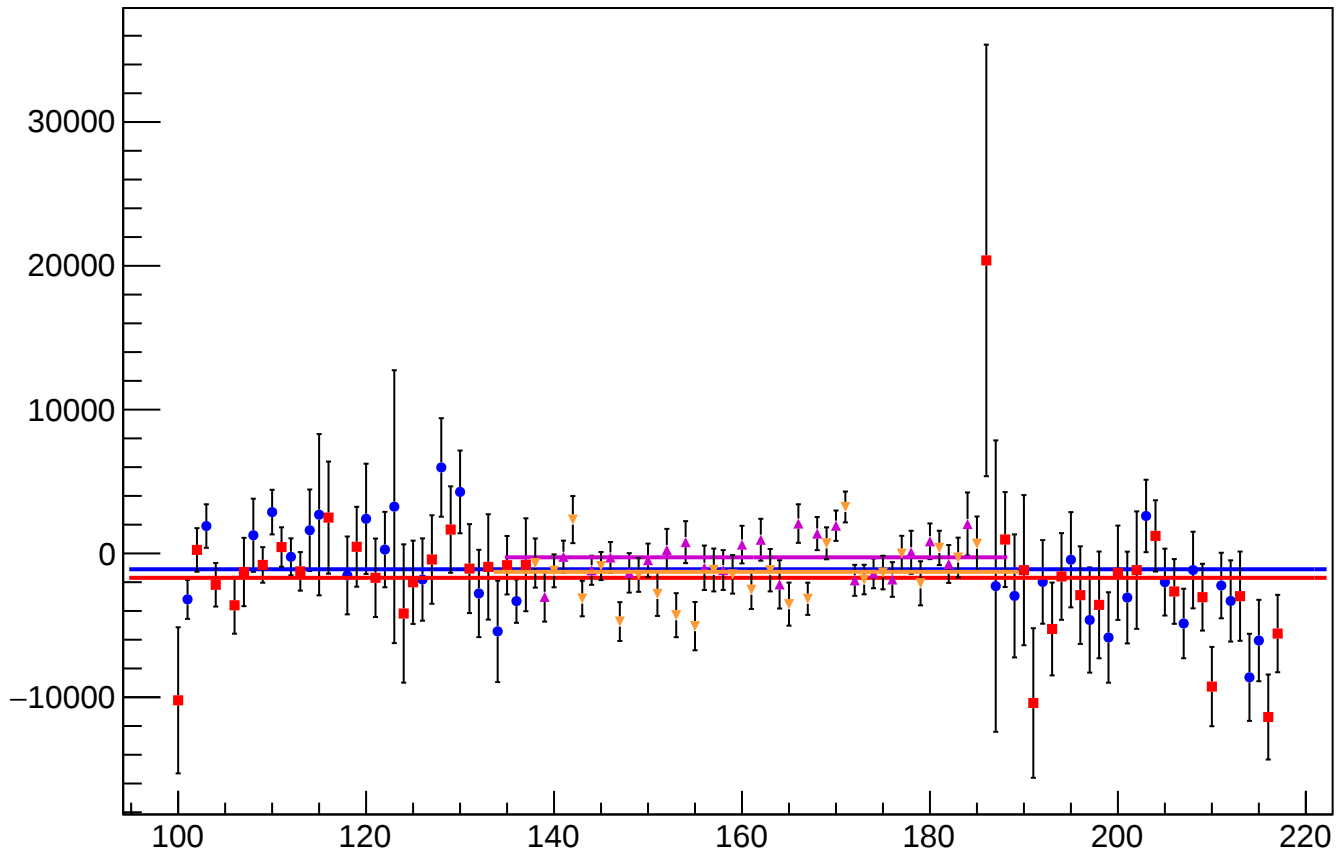
Left In: 145.535 $\pm$ 0.025 χ^2 /NDF: 643529.3/22

+ sign 148.640 $\pm$ 0.018 χ^2 /NDF: 2267512.9/56

All: 149.142 $\pm$ 0.013 χ^2 /NDF: 5301102.7/115

- sign 149.650 $\pm$ 0.018 χ^2 /NDF: 3032013.4/58

asym_sam_48_avg_correction_mean vs Slug



Right In: -1100.426 ± 430.959 χ^2/NDF : 47.5/31

Left Out: -1279.328 ± 259.299 χ^2/NDF : 55.9/24

Right Out: -1696.070 ± 407.099 χ^2/NDF : 42.0/35

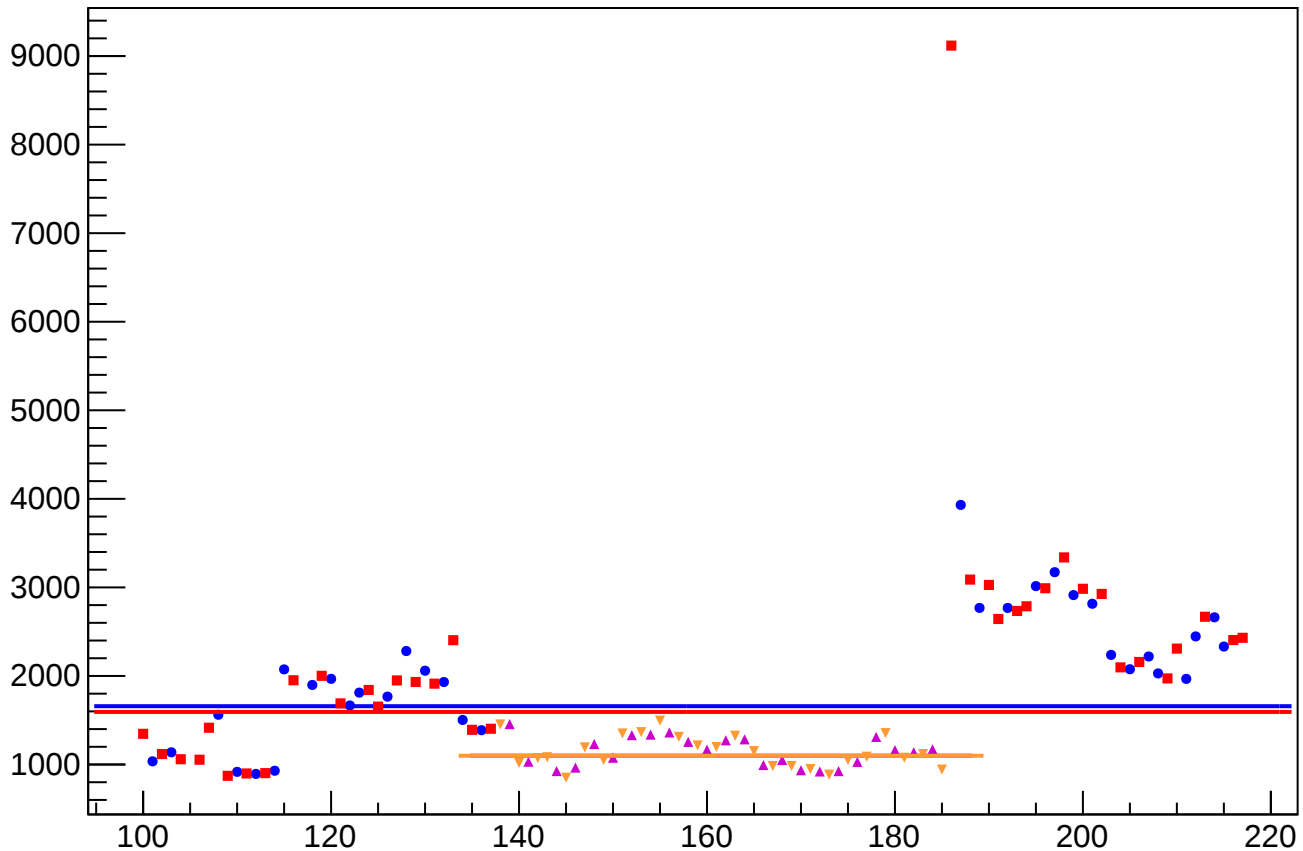
Left In: -269.952 ± 266.245 χ^2/NDF : 24.3/22

+ sign -1231.776 ± 222.182 χ^2/NDF : 103.5/56

All: -965.255 ± 157.333 χ^2/NDF : 181.3/115

- sign -697.196 ± 222.823 χ^2/NDF : 74.9/58

asym_sam_48_avg_correction_rms vs Slug



Right In: 1658.536 $\pm$ 0.305 χ^2 /NDF: 4818251.6/31

Left Out: 1098.909 $\pm$ 0.183 χ^2 /NDF: 824328.7/24

Right Out: 1593.853 $\pm$ 0.288 χ^2 /NDF: 6644228.1/35

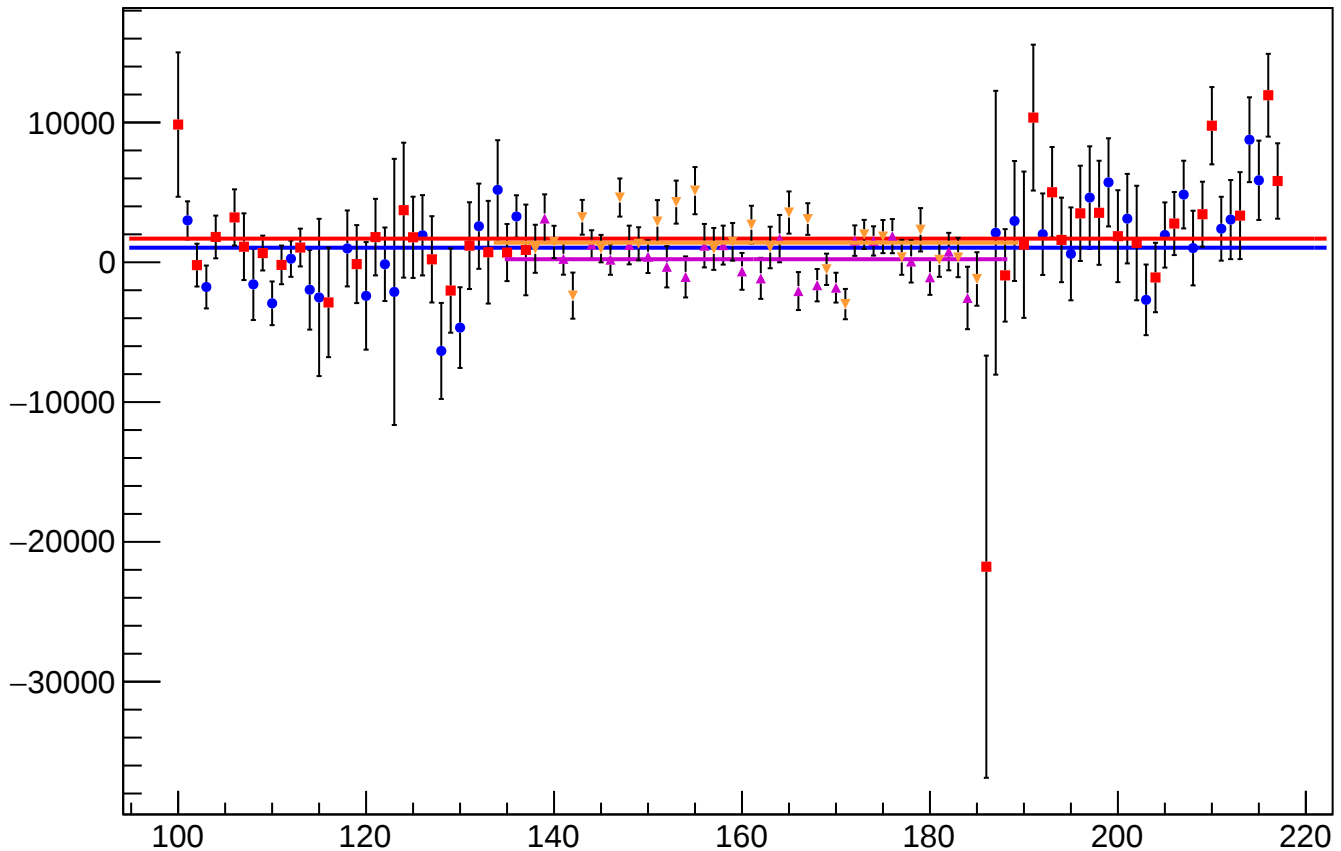
Left In: 1099.585 $\pm$ 0.188 χ^2 /NDF: 679896.1/22

+ sign 1247.655 $\pm$ 0.157 χ^2 /NDF: 8118705.3/56

All: 1247.658 $\pm$ 0.111 χ^2 /NDF: 17507783.2/1

- sign 1247.660 $\pm$ 0.158 χ^2 /NDF: 9389077.9/58

asym_sam_48_avg_mean vs Slug



Right In: 1042.519 ± 433.227 χ^2/NDF : 47.3/31

Left Out: 1400.458 ± 261.804 χ^2/NDF : 52.2/24

Right Out: 1692.345 ± 409.631 χ^2/NDF : 44.1/35

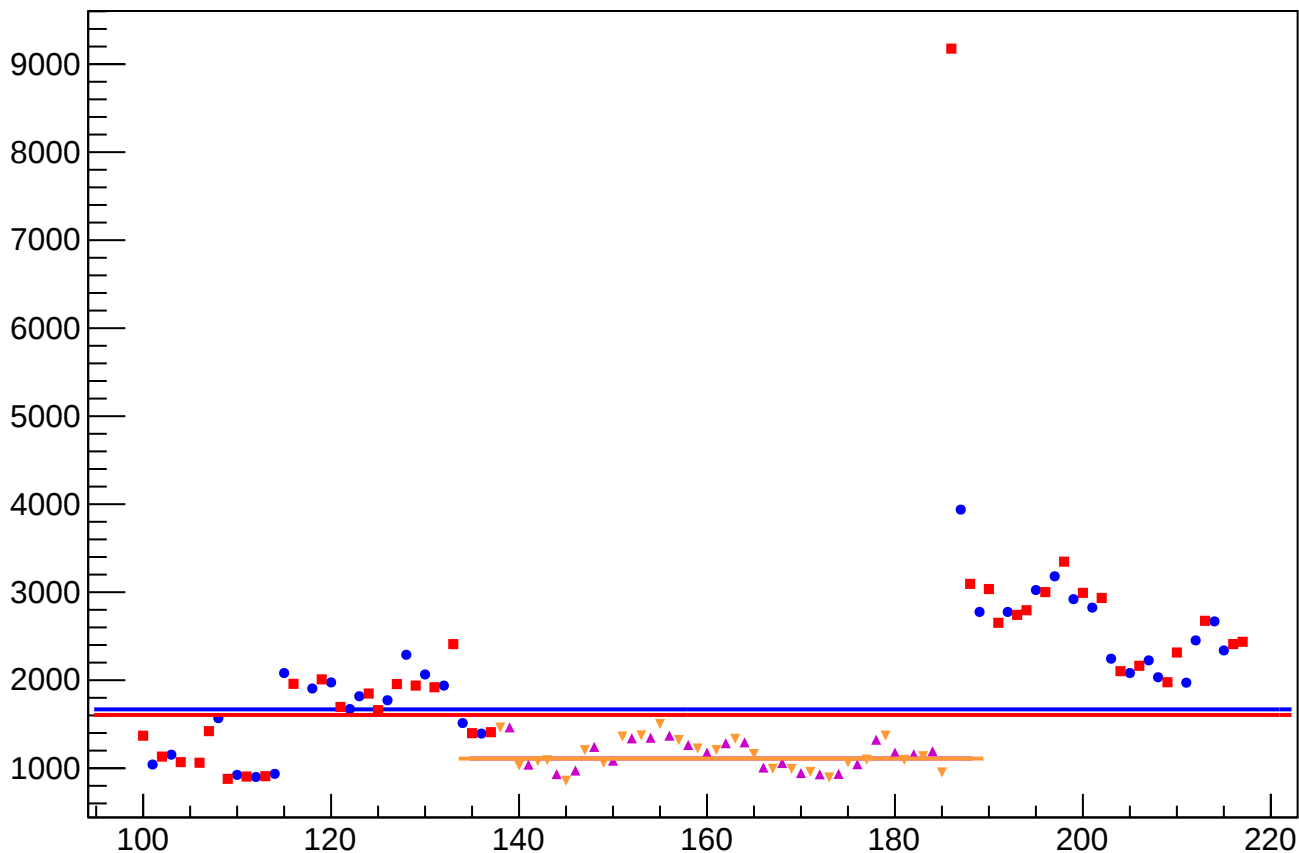
Left In: 219.393 ± 268.852 χ^2/NDF : 25.0/22

+ sign 1304.708 ± 224.068 χ^2/NDF : 100.0/56

All: 984.782 ± 158.686 χ^2/NDF : 182.3/115

- sign 662.860 ± 224.765 χ^2/NDF : 78.1/58

asym_sam_48_avg_rms vs Slug



Right In: 1668.726+/-0.306 χ^2/NDF : 4767547.3/31

Left Out: 1109.761+/-0.185 χ^2/NDF : 812174.9/24

Right Out: 1605.285+/-0.290 χ^2/NDF : 6576735.0/35

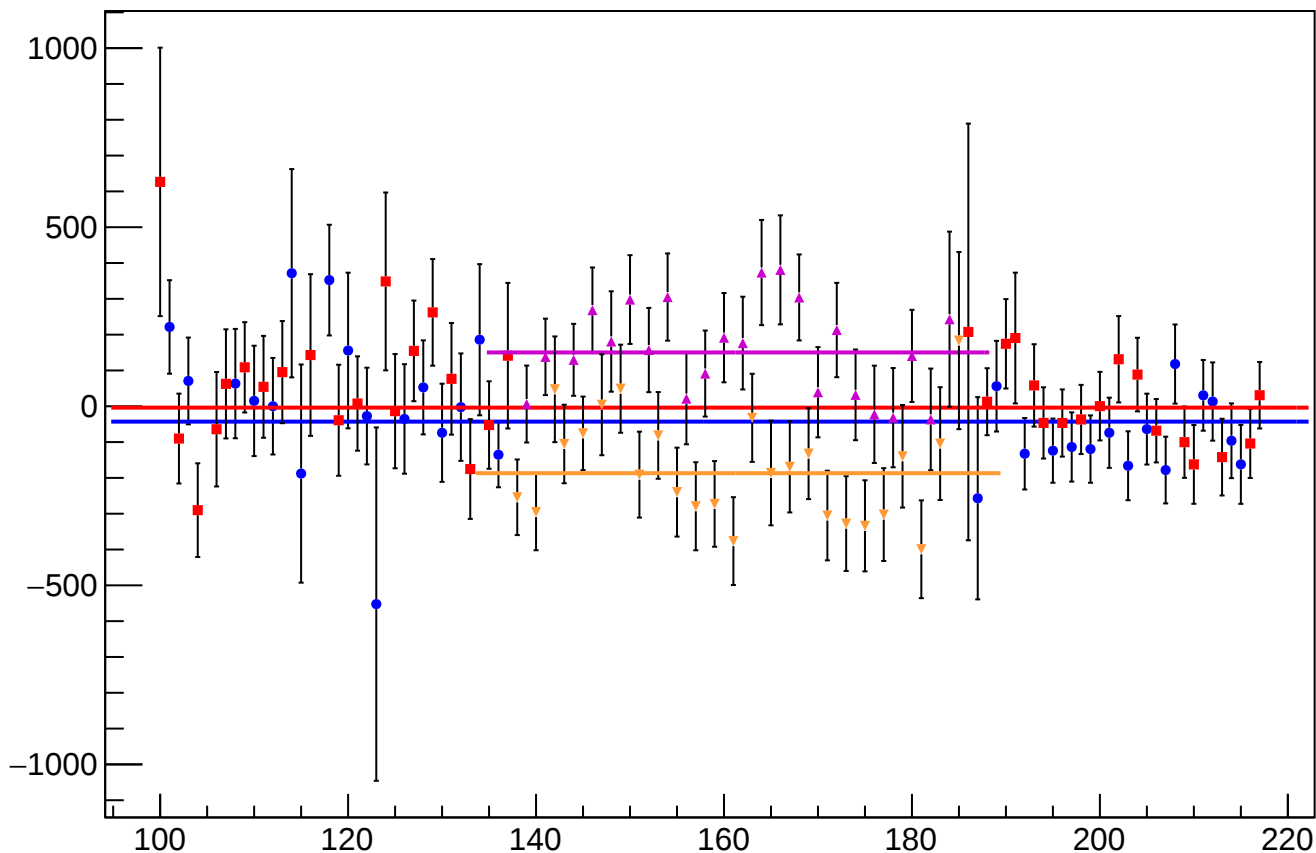
Left In: 1110.542+/-0.190 χ^2/NDF : 669928.9/22

+ sign 1259.286+/-0.158 χ^2/NDF : 8018508.4/56

All: 1259.391+/-0.112 χ^2/NDF : 17304261.7/100

- sign 1259.496+/-0.159 χ^2/NDF : 9285752.4/58

reg_asym_sam_15_dd_mean vs Slug



Right In: -42.874 ± 21.590 χ^2/NDF : 31.6/31

Left Out: -186.838 ± 25.308 χ^2/NDF : 26.6/24

Right Out: -3.771 ± 20.714 χ^2/NDF : 31.9/35

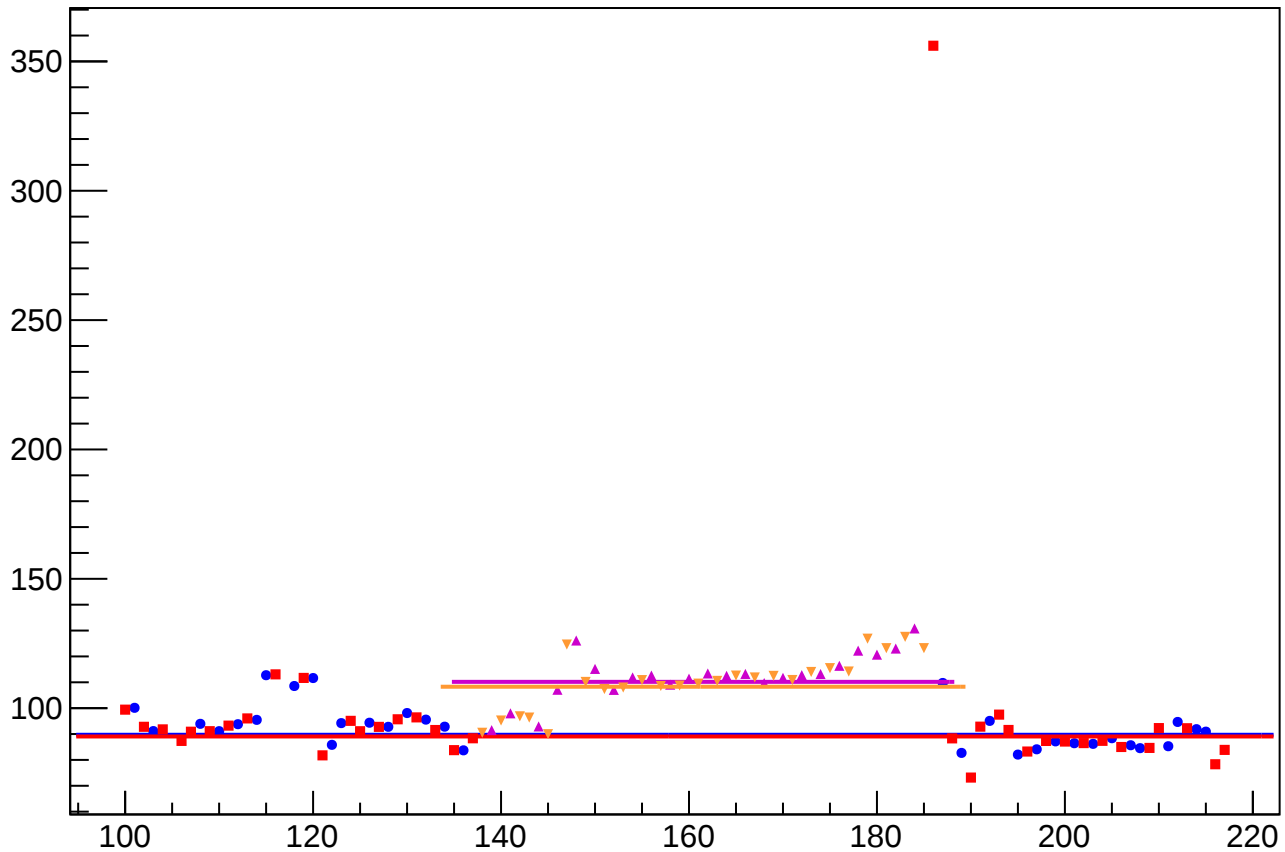
Left In: 150.315 ± 26.445 χ^2/NDF : 20.7/22

+ sign -103.515 ± 16.425 χ^2/NDF : 76.9/56

All: -23.775 ± 11.572 χ^2/NDF : 197.3/115

- sign 54.820 ± 16.307 χ^2/NDF : 73.7/58

reg_asym_sam_15_dd_rms vs Slug



Right In: 89.716+/-0.015 χ^2/NDF : 170924.3/31

Left Out: 108.287+/-0.018 χ^2/NDF : 330693.5/24

Right Out: 89.057+/-0.015 χ^2/NDF : 619079.2/35

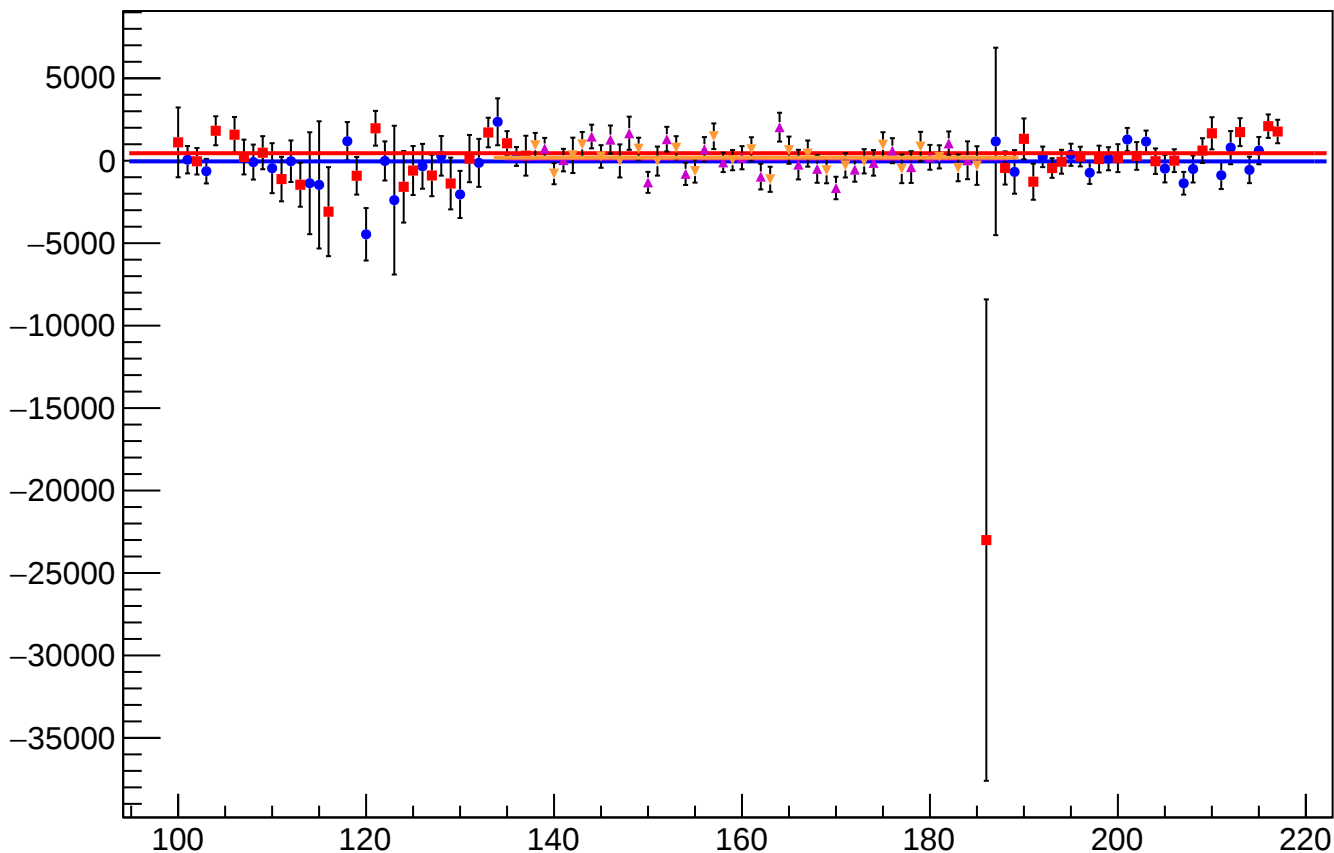
Left In: 110.173+/-0.019 χ^2/NDF : 246967.7/22

+ sign 97.539+/-0.012 χ^2/NDF : 1124941.5/56

All: 97.311+/-0.008 χ^2/NDF : 2782042.9/115

- sign 97.086+/-0.012 χ^2/NDF : 1656337.8/58

asym_sam_15_dd_correction_mean vs Slug



Right In: -39.741 $\pm$ 163.619 χ^2/NDF : 31.1/31

Left Out: 185.392 $\pm$ 153.683 χ^2/NDF : 18.4/24

Right Out: 456.140 $\pm$ 156.199 χ^2/NDF : 42.3/35

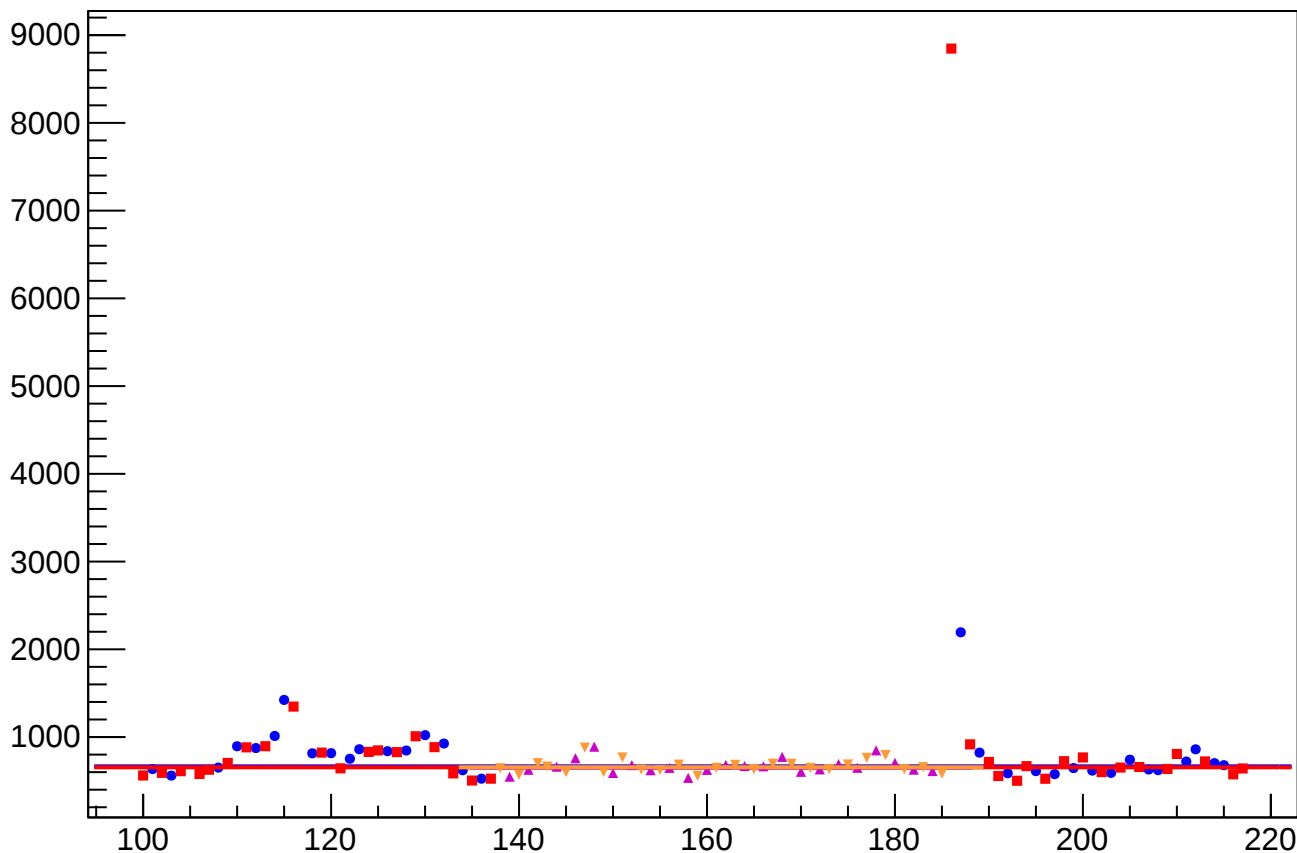
Left In: 128.782 $\pm$ 157.155 χ^2/NDF : 36.2/22

+ sign 79.868 $\pm$ 112.018 χ^2/NDF : 50.5/56

All: 187.846 $\pm$ 78.770 χ^2/NDF : 133.0/115

- sign 293.460 $\pm$ 110.786 χ^2/NDF : 80.7/58

asym_sam_15_dd_correction_rms vs Slug



Right In: 666.141 $\pm$ 0.116 χ^2 /NDF: 1102303.3/31

Left Out: 655.155 $\pm$ 0.109 χ^2 /NDF: 367349.8/24

Right Out: 655.021 $\pm$ 0.110 χ^2 /NDF: 1854294.3/35

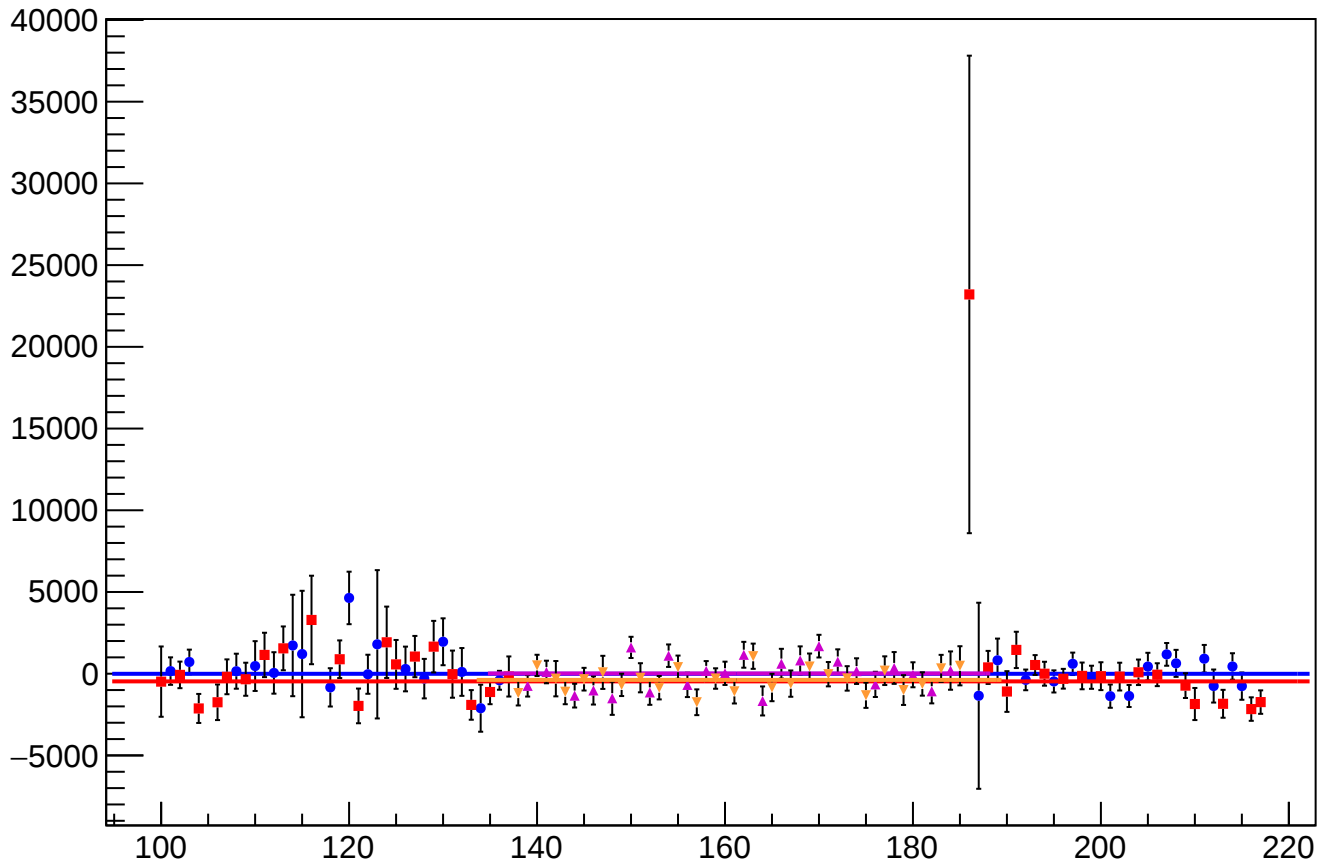
Left In: 650.883 $\pm$ 0.111 χ^2 /NDF: 466116.8/22

+ sign 660.304 $\pm$ 0.079 χ^2 /NDF: 1474442.9/56

All: 656.594 $\pm$ 0.056 χ^2 /NDF: 3799892.0/115

- sign 652.965 $\pm$ 0.078 χ^2 /NDF: 2321108.5/58

asym_sam_15_dd_mean vs Slug



Right In: -5.863 ± 165.227 χ^2/NDF : 31.6/31

Left Out: -379.470 ± 155.892 χ^2/NDF : 18.8/24

Right Out: -469.539 ± 157.815 χ^2/NDF : 47.0/35

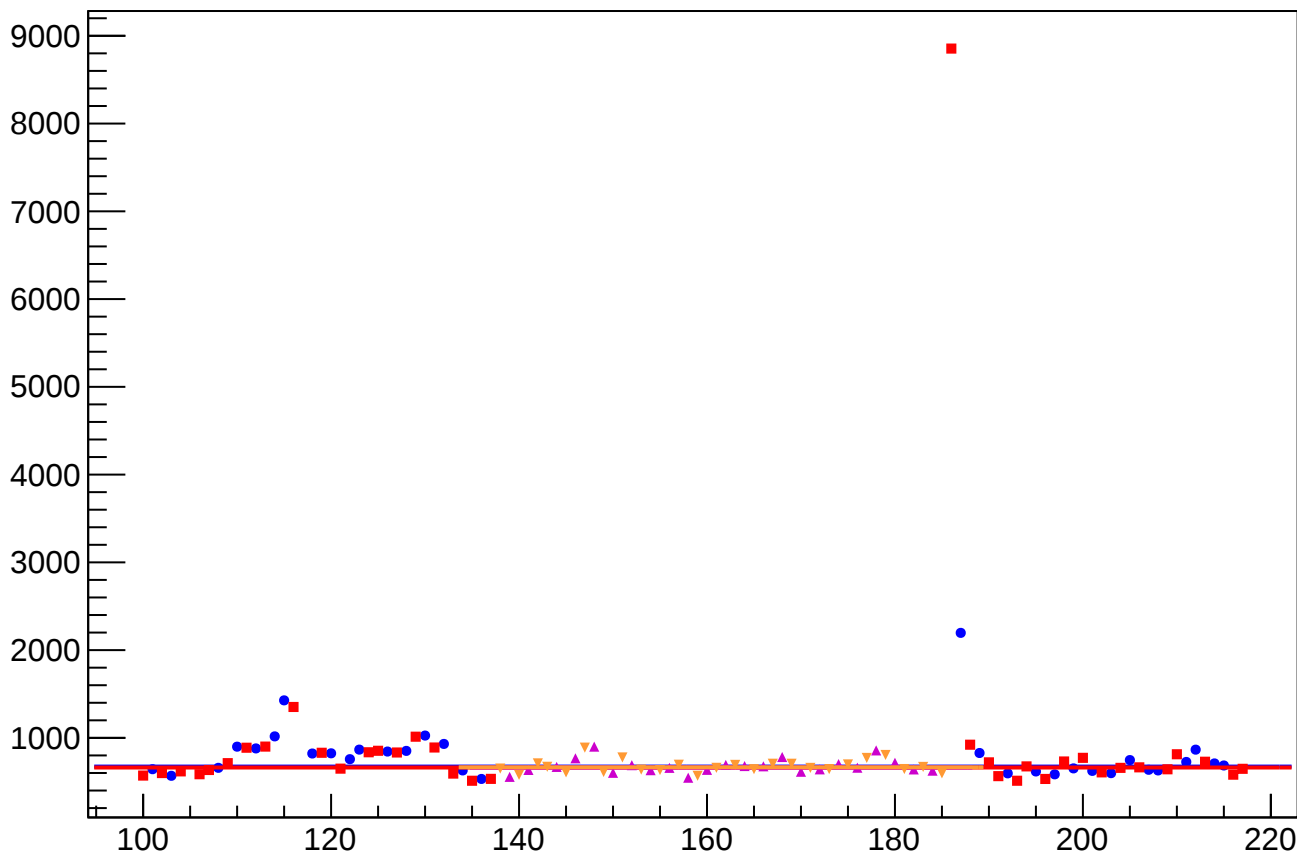
Left In: 14.768 ± 159.513 χ^2/NDF : 37.2/22

+ sign -203.518 ± 113.389 χ^2/NDF : 53.2/56

All: -216.889 ± 79.750 χ^2/NDF : 142.1/115

- sign -229.978 ± 112.188 χ^2/NDF : 88.9/58

asym_sam_15_dd_rms vs Slug



Right In: 673.082+/-0.117 χ^2/NDF : 1077111.4/31

Left Out: 664.773+/-0.110 χ^2/NDF : 357053.8/24

Right Out: 662.309+/-0.112 χ^2/NDF : 1816642.2/35

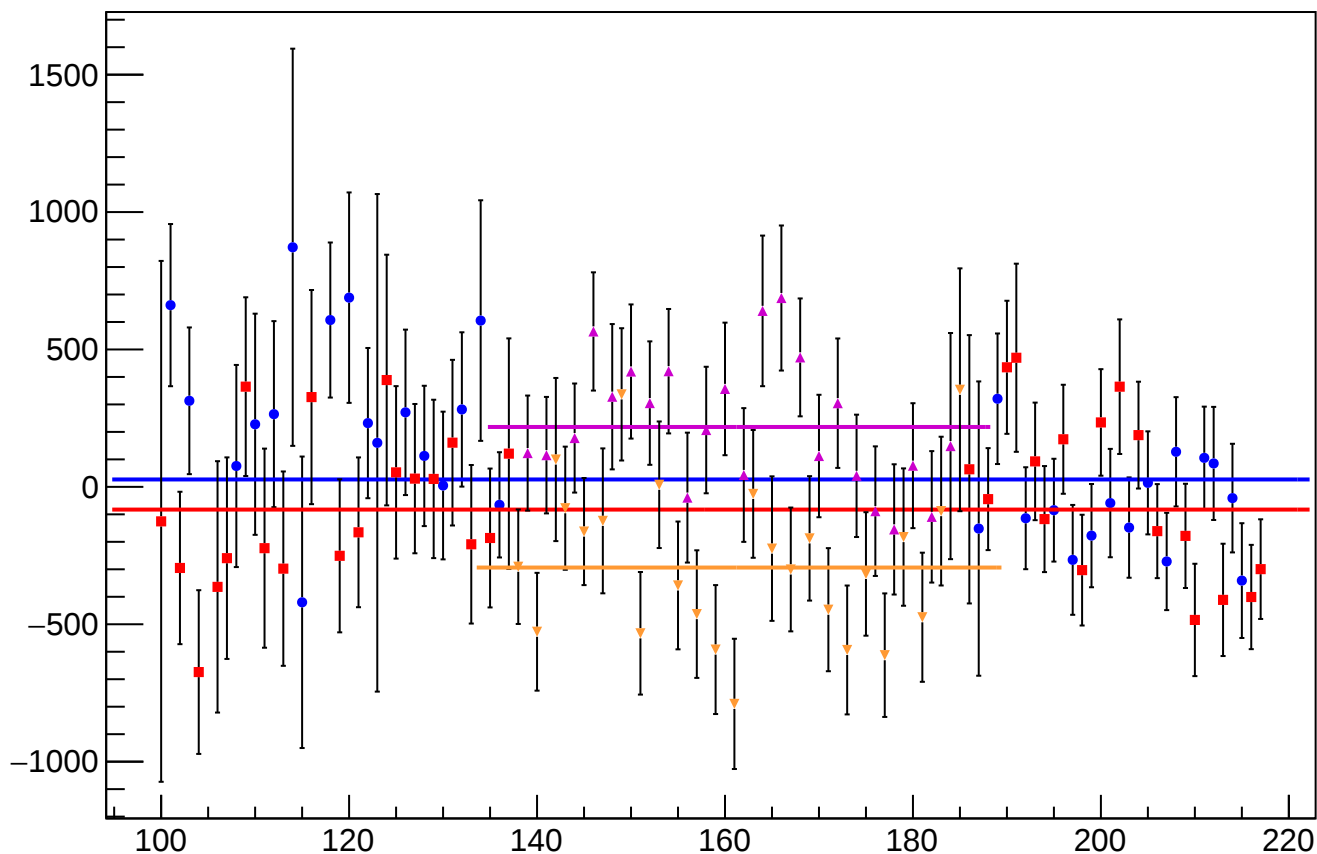
Left In: 660.890+/-0.113 χ^2/NDF : 449180.0/22

+ sign 668.686+/-0.080 χ^2/NDF : 1436841.3/56

All: 665.109+/-0.056 χ^2/NDF : 3706682.0/115

- sign 661.608+/-0.079 χ^2/NDF : 2265902.2/58

reg_asym_sam_26_dd_mean vs Slug



Right In: 26.934 ± 42.752 $\chi^2/\text{NDF}: 33.6/31$

Left Out: -293.590 ± 47.203 $\chi^2/\text{NDF}: 30.3/24$

Right Out: -82.662 ± 41.671 $\chi^2/\text{NDF}: 41.9/35$

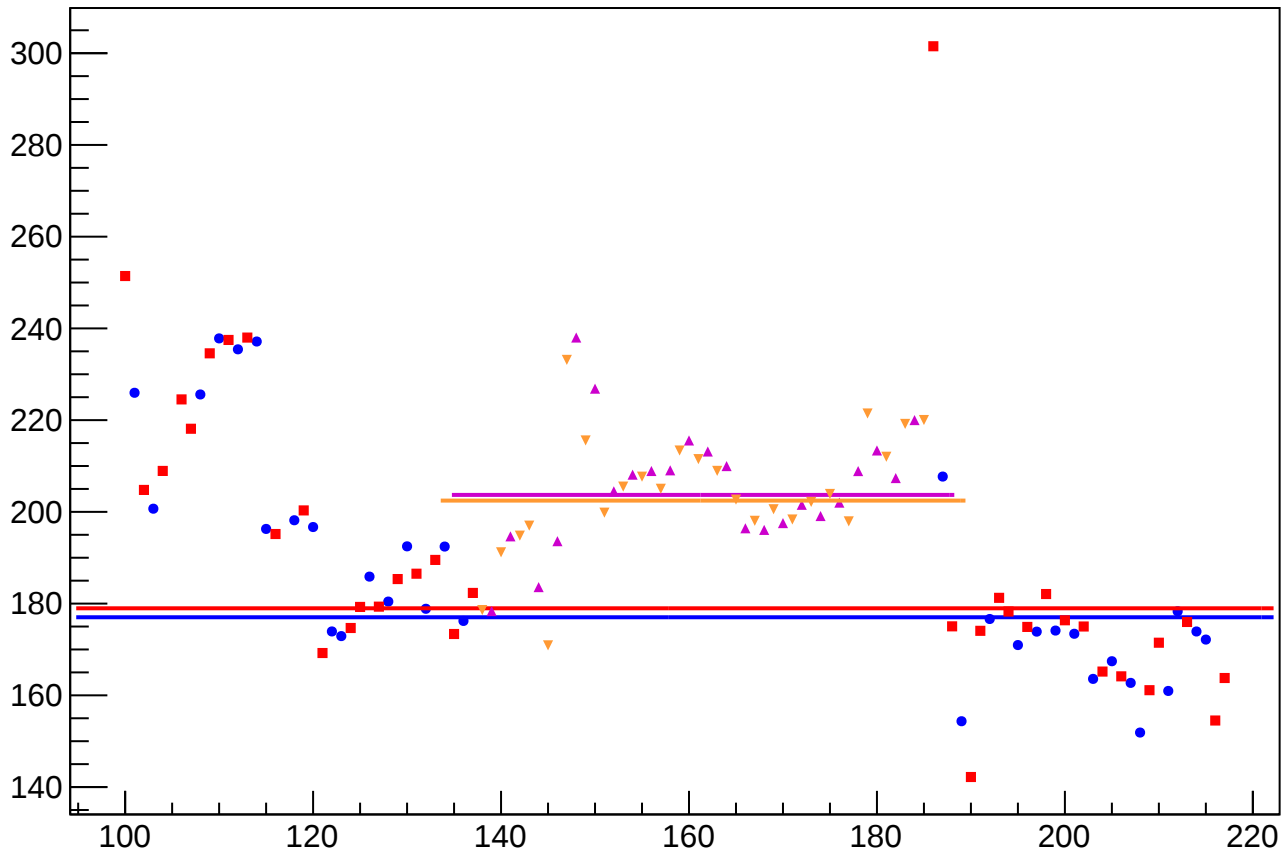
Left In: 217.964 ± 48.819 $\chi^2/\text{NDF}: 21.3/22$

+ sign -117.509 ± 31.687 $\chi^2/\text{NDF}: 89.2/56$

All: -36.747 ± 22.409 $\chi^2/\text{NDF}: 187.4/115$

- sign 44.052 ± 31.695 $\chi^2/\text{NDF}: 85.2/58$

reg_asym_sam_26_dd_rms vs Slug



Right In: 177.022 $\pm$ 0.030 χ^2 /NDF: 361519.7/31

Left Out: 202.459 $\pm$ 0.033 χ^2 /NDF:158582.3/24

Right Out: 178.976 $\pm$ 0.029 χ^2 /NDF: 551231.9/35

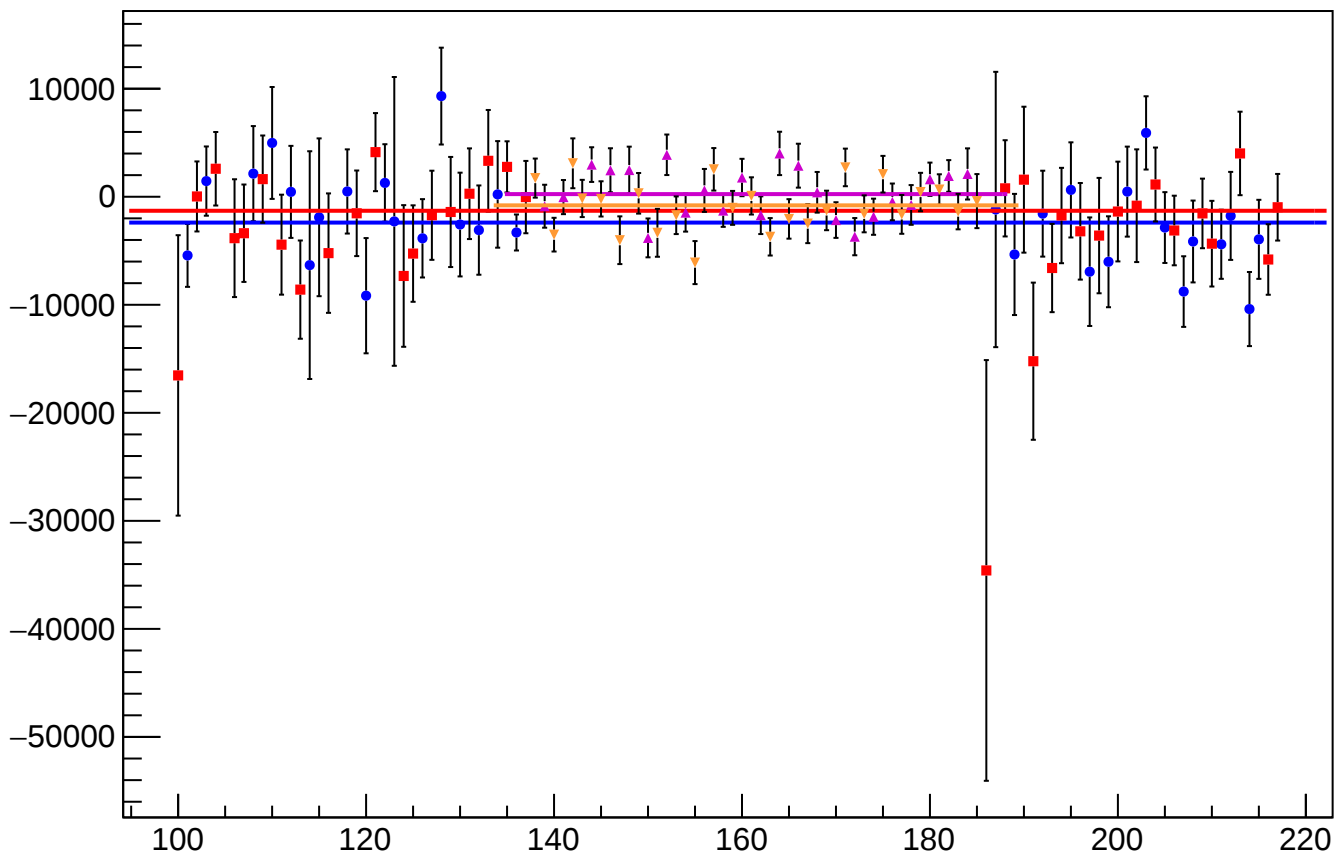
Left In: 203.699 $\pm$ 0.035 χ^2 /NDF:136193.4/22

+ sign 188.485 $\pm$ 0.022 χ^2 /NDF: 839155.0/56

All: 188.941 $\pm$ 0.016 χ^2 /NDF: 1824134.7/115

- sign 189.397 $\pm$ 0.022 χ^2 /NDF: 984152.4/58

asym_sam_26_dd_correction_mean vs Slug



Right In: -2391.085 ± 679.112 χ^2/NDF : 35.9/31

Left Out: -796.528 ± 357.851 χ^2/NDF : 35.7/24

Right Out: -1297.191 ± 686.509 χ^2/NDF : 29.7/35

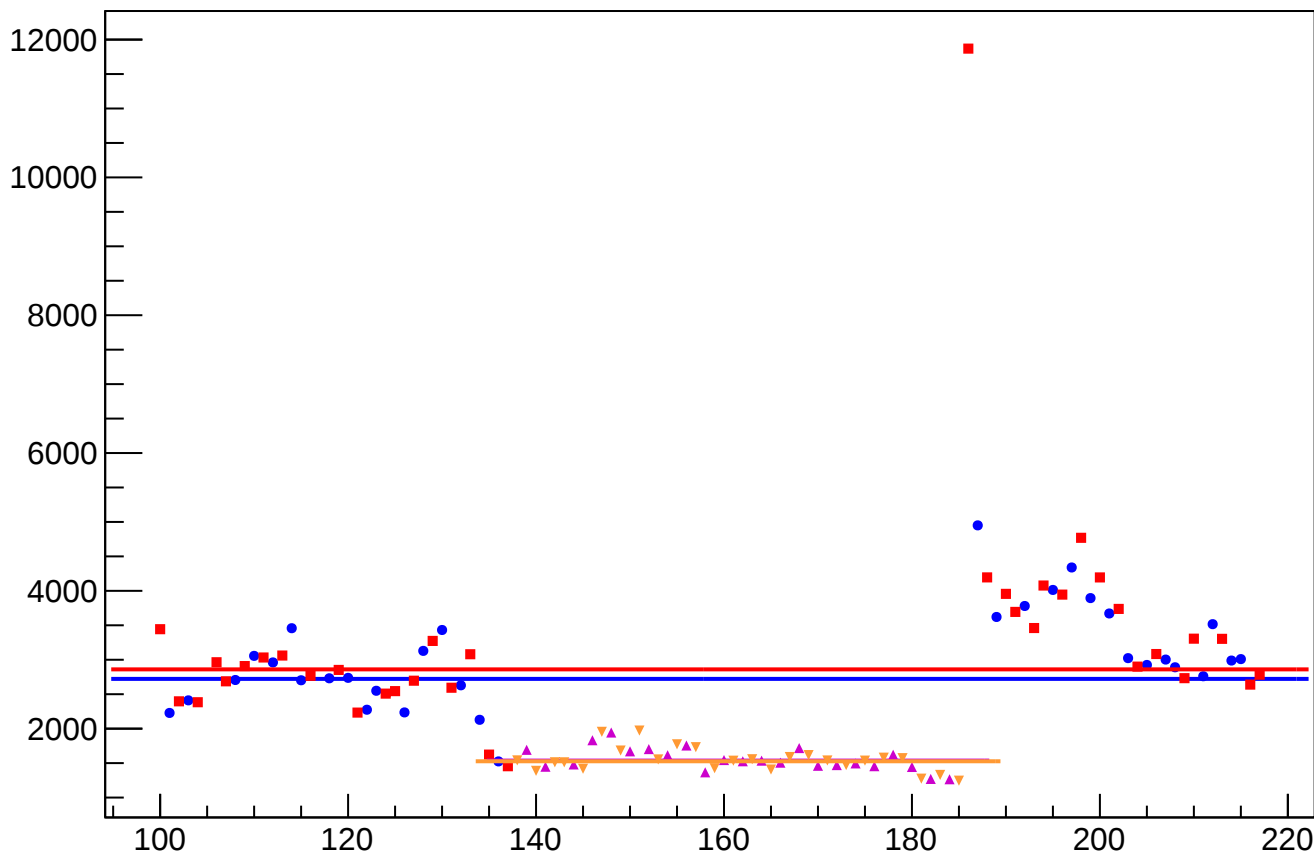
Left In: 245.102 ± 369.846 χ^2/NDF : 35.7/22

+ sign -1143.061 ± 316.587 χ^2/NDF : 76.0/56

All: -637.060 ± 226.981 χ^2/NDF : 150.6/115

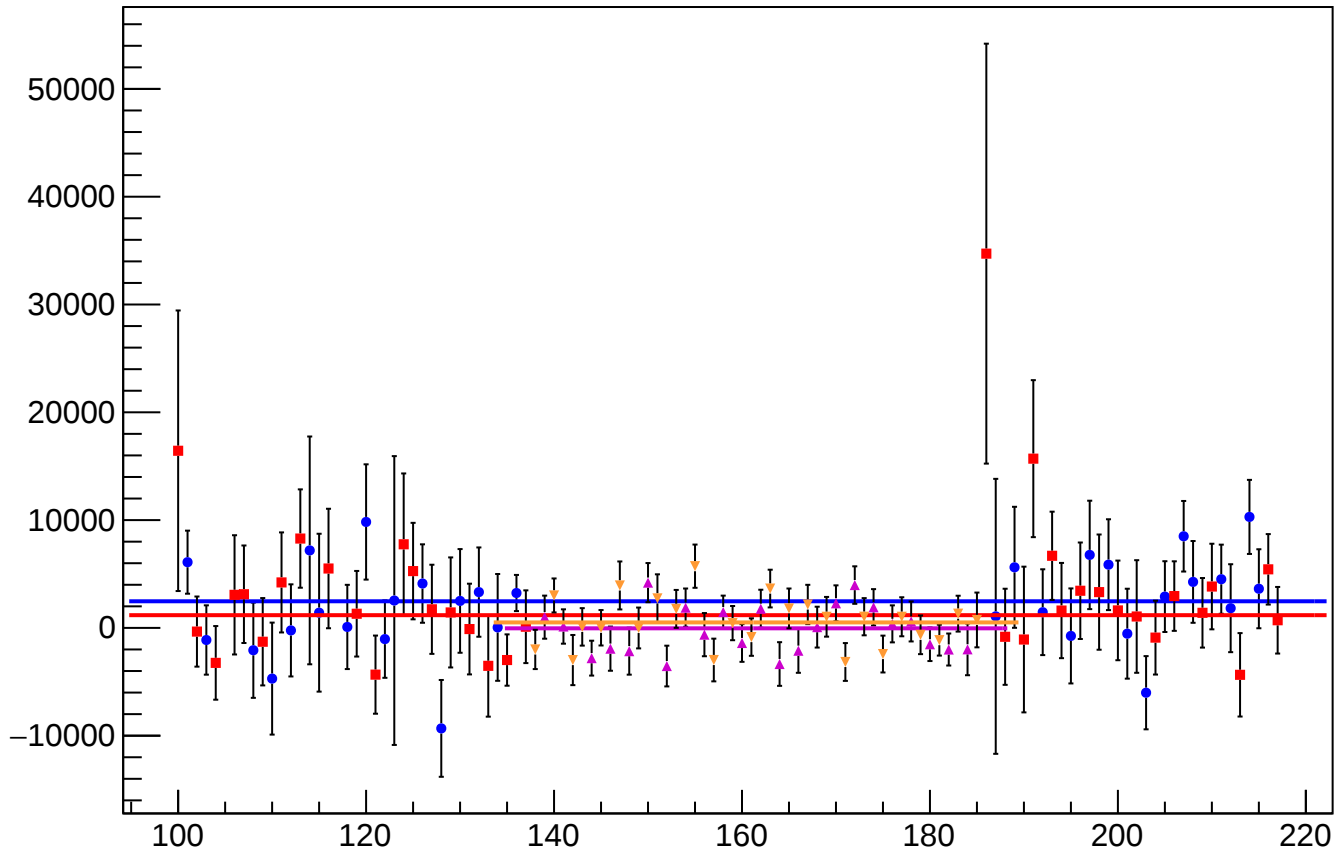
- sign -101.833 ± 325.602 χ^2/NDF : 69.3/58

asym_sam_26_dd_correction_rms vs Slug



Right In: 2722.214+/-0.480	χ^2/NDF : 2326692.5/31	+ sign 1786.521+/-0.224	χ^2/NDF : 7572586.9/56
Left Out: 1526.712+/-0.253	χ^2/NDF : 394892.7/24	All: 1809.755+/-0.160	χ^2/NDF : 16361929.4/100
Right Out: 2860.371+/-0.485	χ^2/NDF : 2652655.6/35	- sign 1834.330+/-0.230	χ^2/NDF : 8767177.2/58
Left In: 1536.538+/-0.262	χ^2/NDF : 350373.3/22		

asym_sam_26_dd_mean vs Slug



Right In: 2469.282 $\pm$ 681.195 χ^2 /NDF: 35.6/31

Left Out: 507.982 $\pm$ 361.172 χ^2 /NDF: 35.4/24

Right Out: 1180.090 $\pm$ 688.456 χ^2 /NDF: 30.2/35

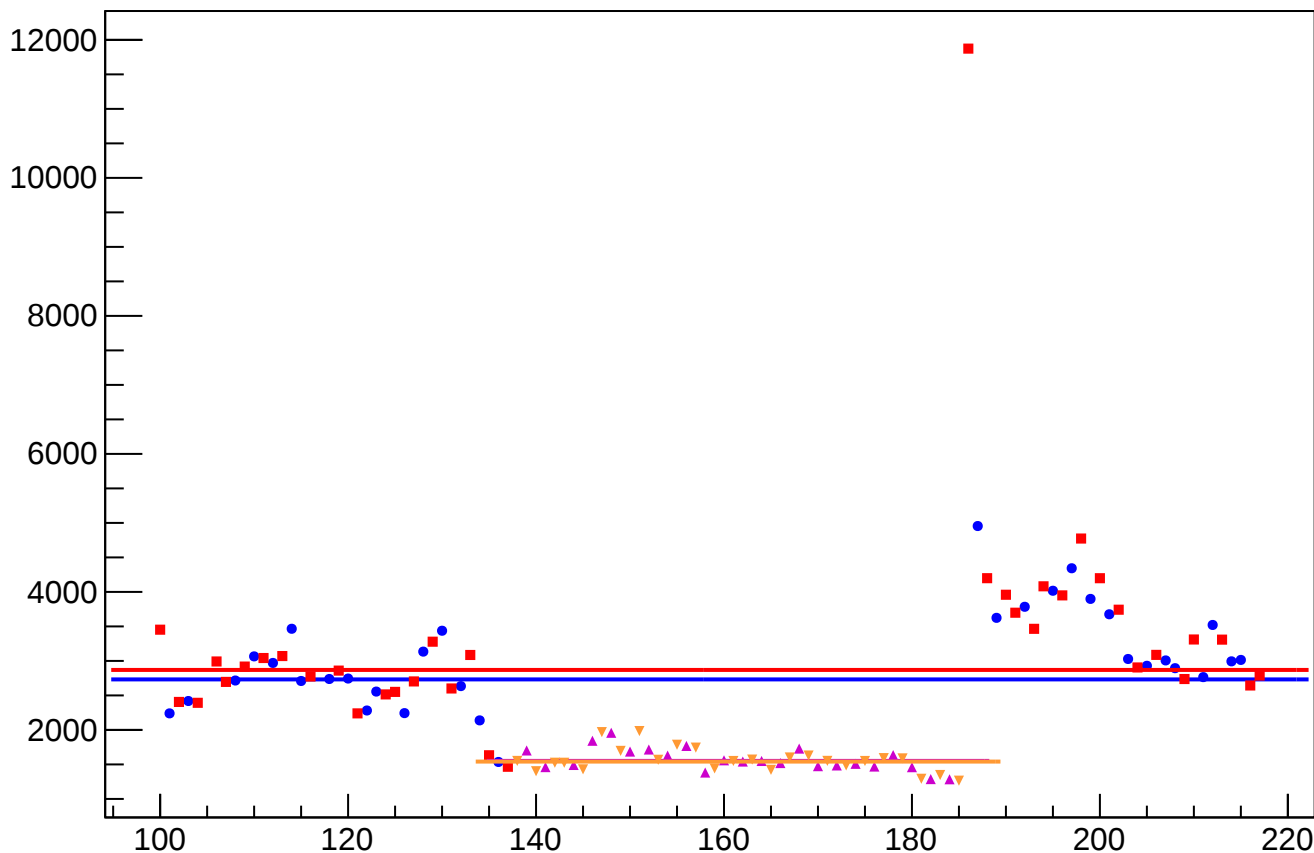
Left In: -40.080 $\pm$ 373.261 χ^2 /NDF: 33.6/22

+ sign 938.351 $\pm$ 319.095 χ^2 /NDF: 77.4/56

All: 597.524 $\pm$ 228.764 χ^2 /NDF: 146.0/115

- sign 237.109 $\pm$ 328.136 χ^2 /NDF: 66.2/58

asym_sam_26_dd_rms vs Slug



Right In: 2732.052 ± 0.482 χ^2/NDF : 2293583.1/31

Left Out: 1541.258 ± 0.255 χ^2/NDF : 382045.4/24

Right Out: 2869.365 ± 0.487 χ^2/NDF : 2627031.8/35

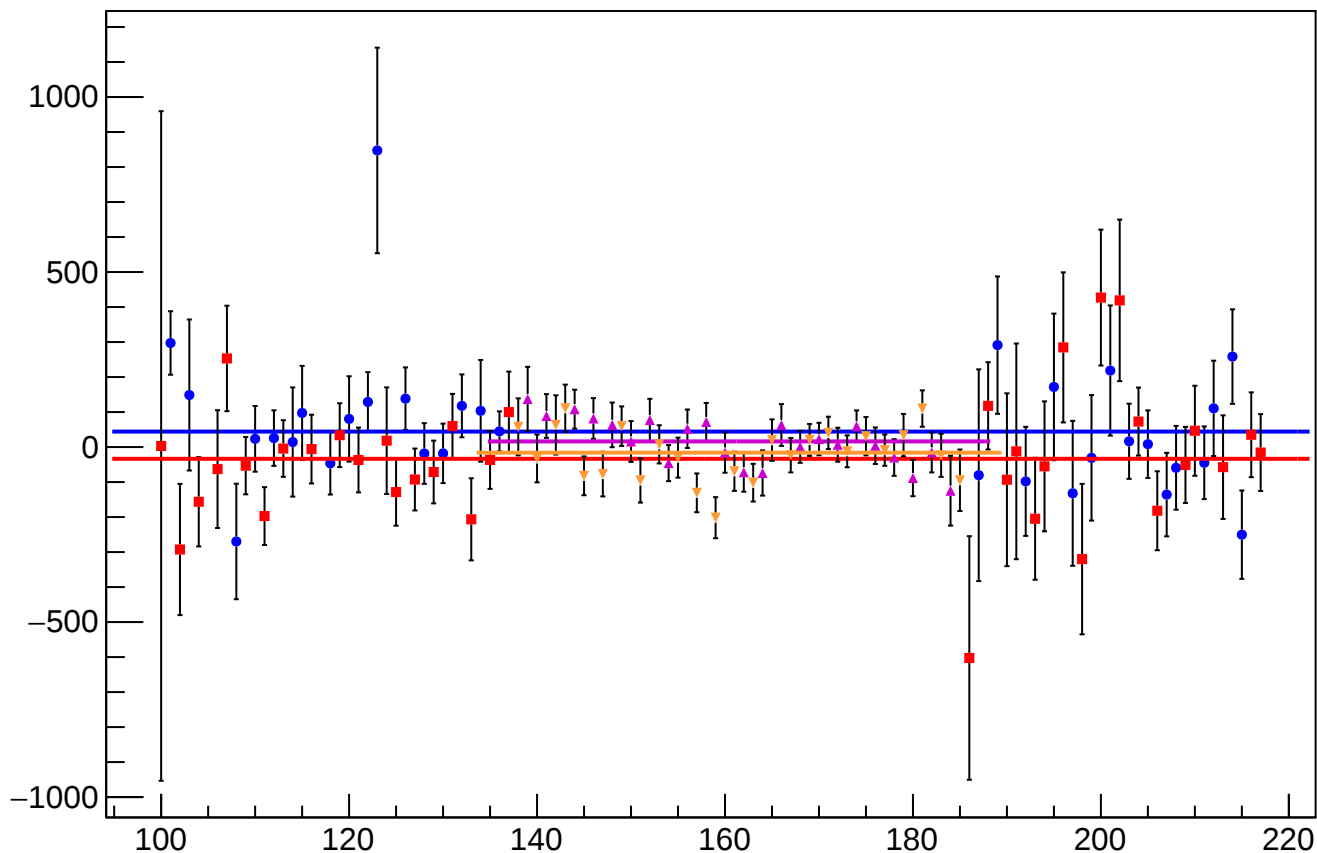
Left In: 1551.063 ± 0.264 χ^2/NDF : 338898.9/22

+ sign 1802.555 ± 0.226 χ^2/NDF : 7446211.1/56

All: 1825.880 ± 0.162 χ^2/NDF : 16101602.7/100

- sign 1850.545 ± 0.232 χ^2/NDF : 8633404.9/58

reg_asym_sam_37_dd_mean vs Slug



Right In: 44.210 ± 19.807 χ^2/NDF : 41.4/31

Left Out: -16.049 ± 11.340 χ^2/NDF : 39.7/24

Right Out: -33.558 ± 19.795 χ^2/NDF : 39.9/35

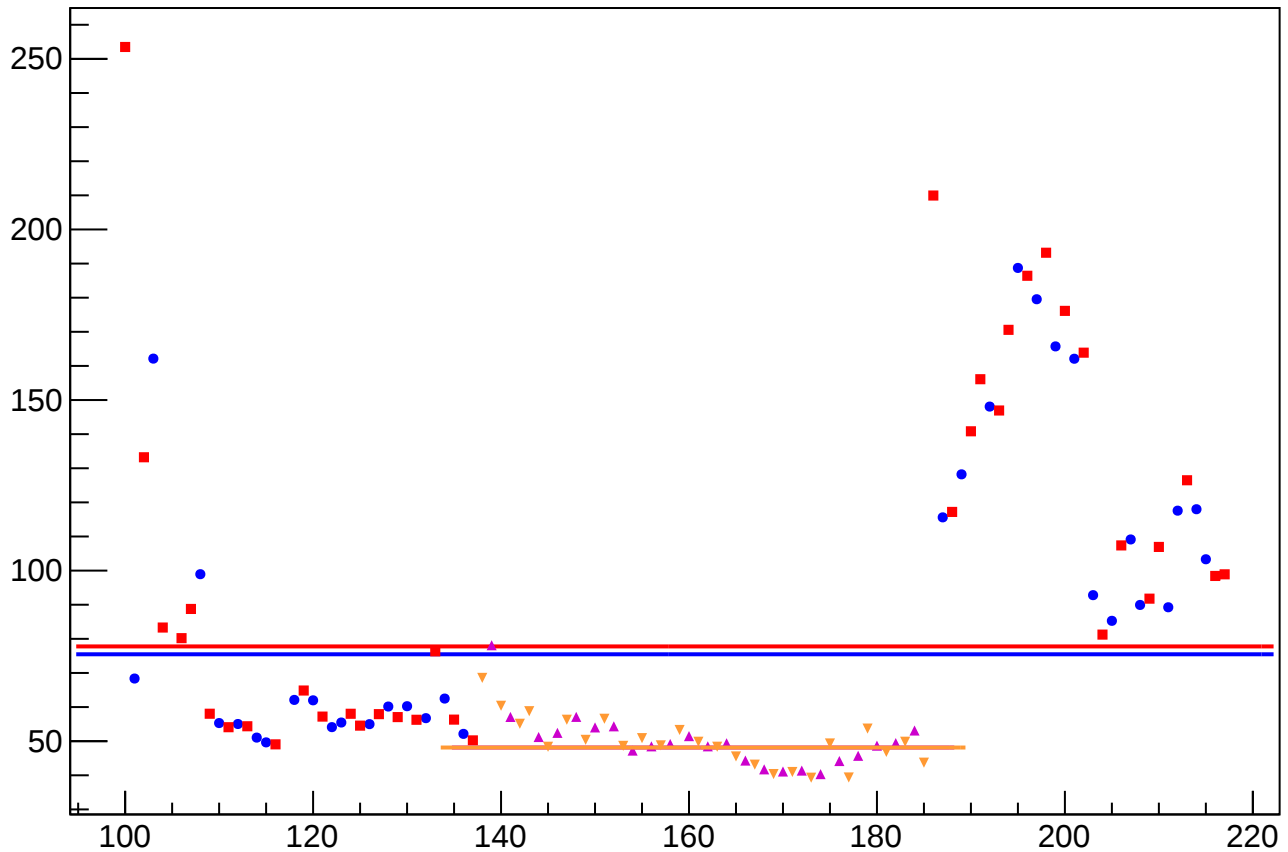
Left In: 16.162 ± 11.649 χ^2/NDF : 25.2/22

+ sign -1.174 ± 9.841 χ^2/NDF : 88.1/56

All: 1.054 ± 7.028 χ^2/NDF : 158.0/115

- sign 3.371 ± 10.040 χ^2/NDF : 69.8/58

reg_asym_sam_37_dd_rms vs Slug



Right In: 75.474+/-0.014 χ^2/NDF : 5025666.3/31

Left Out: 48.141+/-0.008 χ^2/NDF : 655250.3/24

Right Out: 77.777+/-0.014 χ^2/NDF : 5802749.3/35

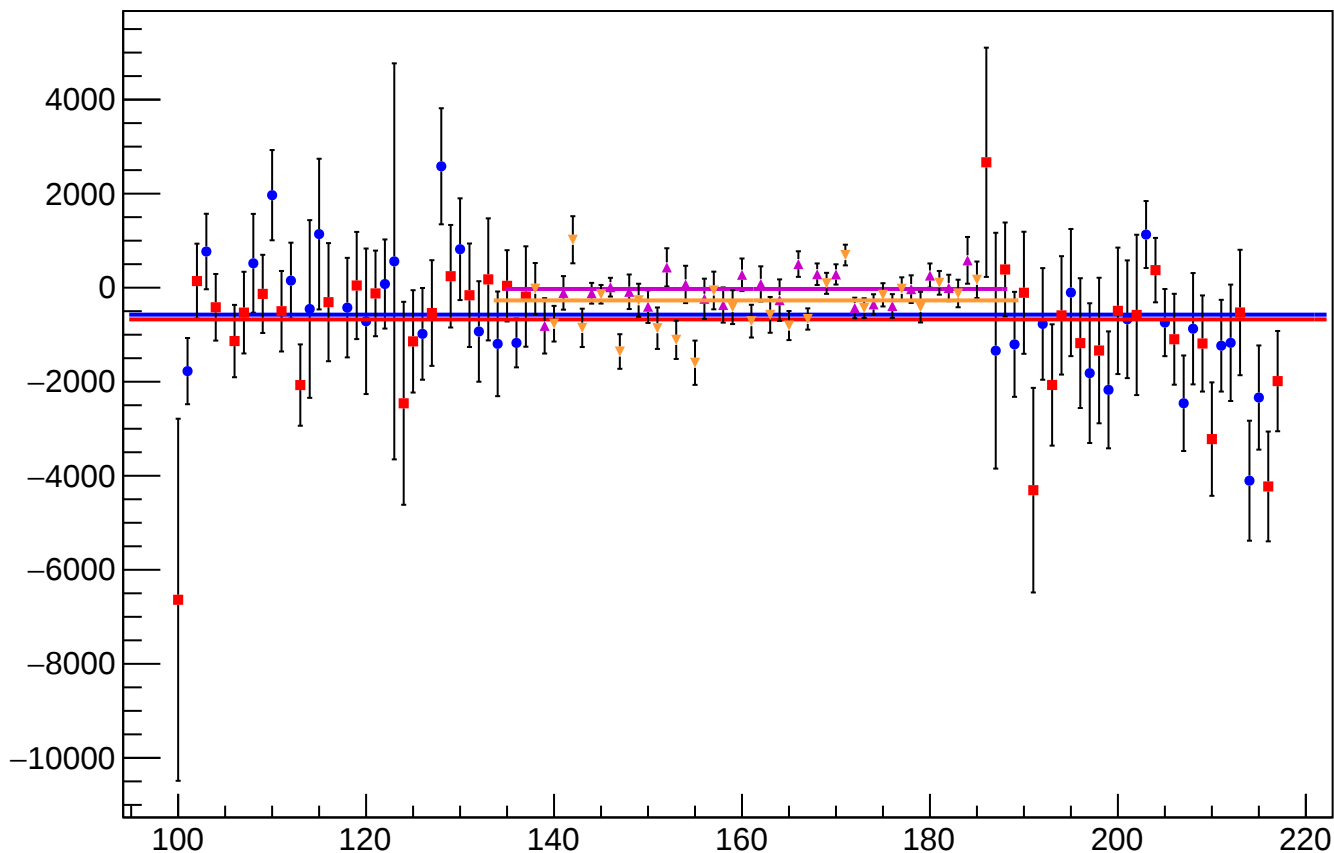
Left In: 48.139+/-0.008 χ^2/NDF : 575025.5/22

+ sign 54.888+/-0.007 χ^2/NDF : 8549384.9/56

All: 55.317+/-0.005 χ^2/NDF : 18265109.0/115

- sign 55.763+/-0.007 χ^2/NDF : 9707973.5/58

asym_sam_37_dd_correction_mean vs Slug



Right In: -573.403 ± 179.923 χ^2/NDF : 49.5/31

Left Out: -270.214 ± 60.177 χ^2/NDF : 70.1/24

Right Out: -674.702 ± 176.198 χ^2/NDF : 36.7/35

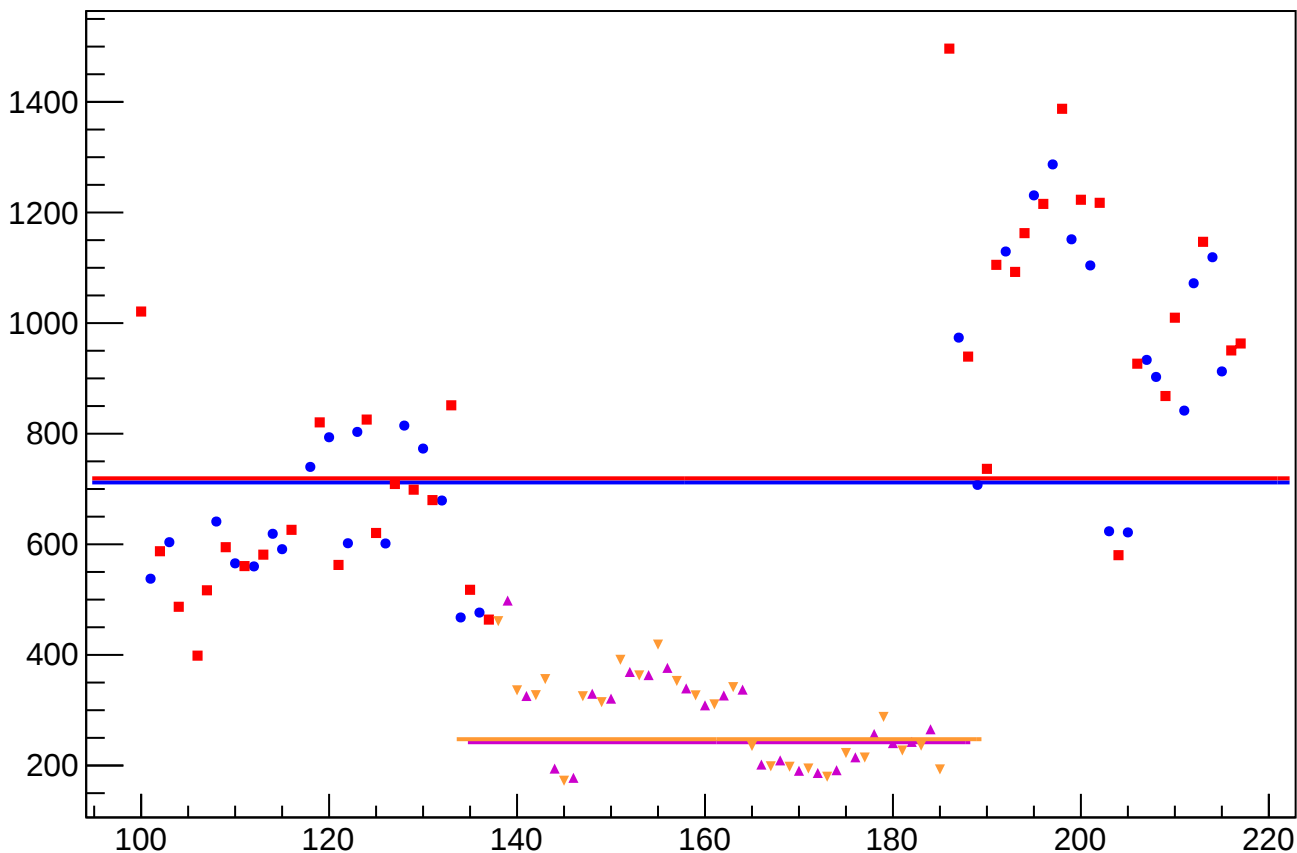
Left In: -27.271 ± 60.430 χ^2/NDF : 25.1/22

+ sign -300.718 ± 57.070 χ^2/NDF : 122.2/56

All: -198.229 ± 40.387 χ^2/NDF : 202.5/115

- sign -95.411 ± 57.162 χ^2/NDF : 73.9/58

asym_sam_37_dd_correction_rms vs Slug



Right In: 711.874+/-0.127 χ^2/NDF : 2883905.1/31

Left Out: 247.570+/-0.043 χ^2/NDF : 2780931.0/24

Right Out: 719.332+/-0.125 χ^2/NDF : 3873236.6/35

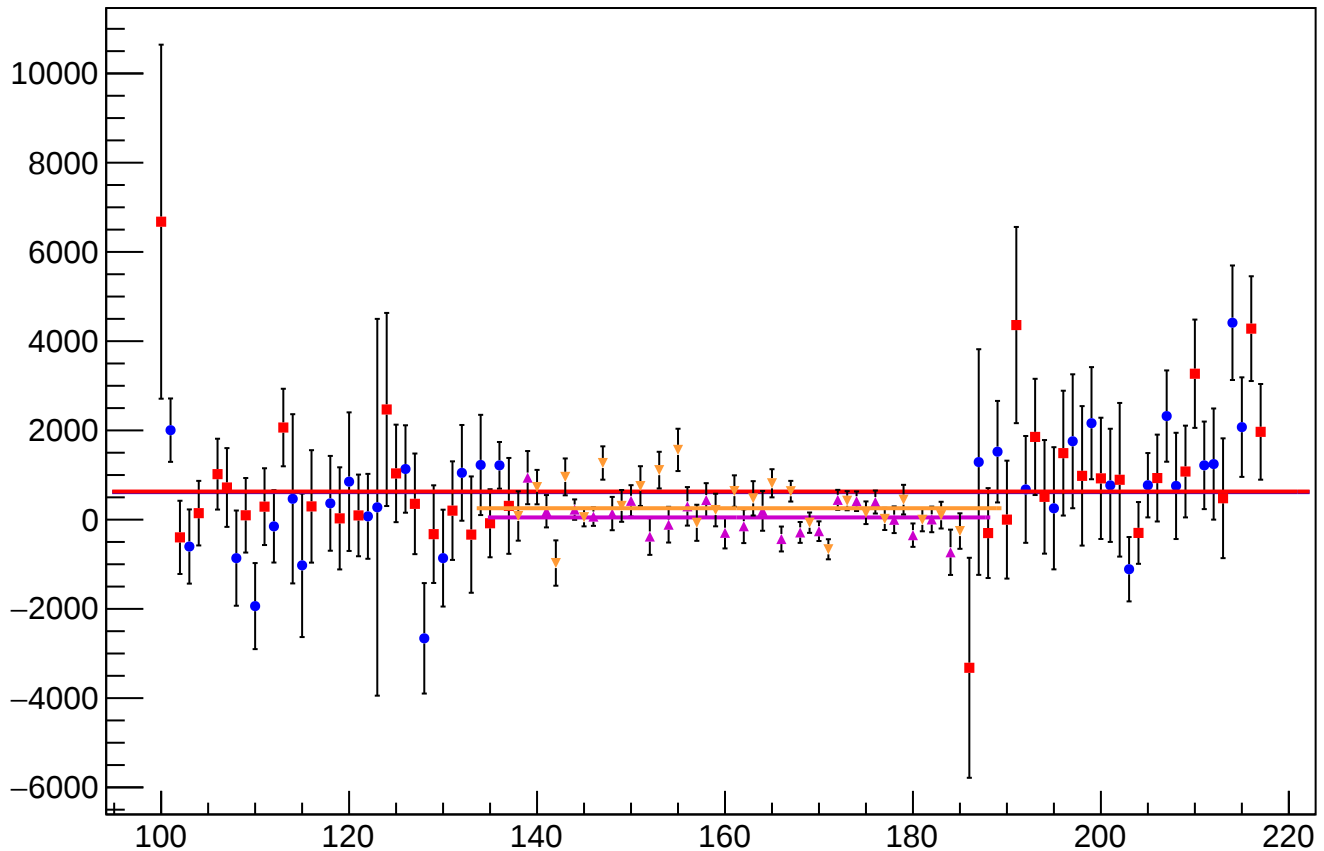
Left In: 242.117+/-0.043 χ^2/NDF : 2466108.9/22

+ sign 294.284+/-0.040 χ^2/NDF : 17643522.9/56

All: 293.315+/-0.029 χ^2/NDF : 37110865.8/11

- sign 292.342+/-0.040 χ^2/NDF : 19466187.1/58

asym_sam_37_dd_mean vs Slug



Right In: 616.696 ± 181.531 χ^2/NDF : 50.7/31

Left Out: 255.995 ± 61.418 χ^2/NDF : 63.6/24

Right Out: 629.774 ± 178.056 χ^2/NDF : 37.9/35

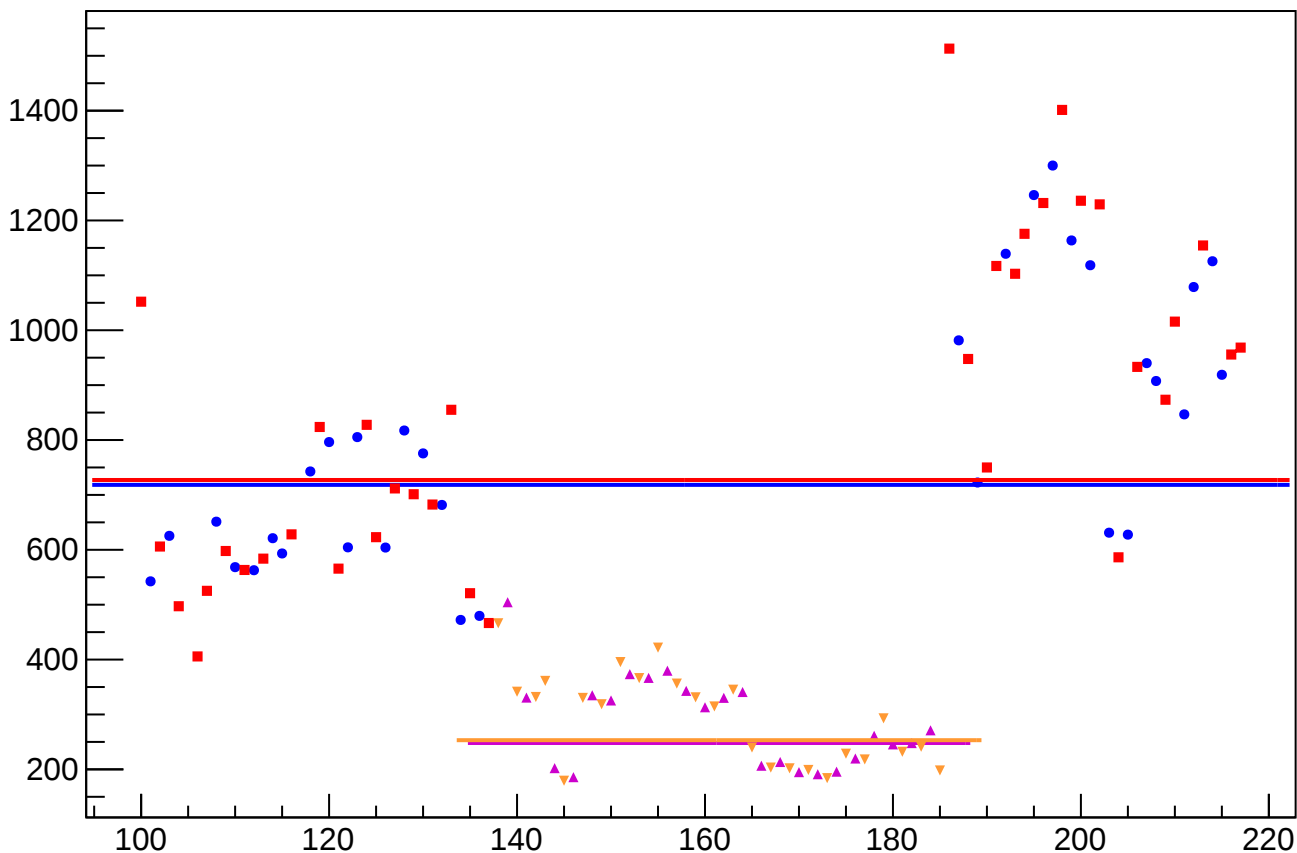
Left In: 49.832 ± 61.781 χ^2/NDF : 27.5/22

+ sign 293.044 ± 58.179 χ^2/NDF : 117.9/56

All: 202.890 ± 41.205 χ^2/NDF : 197.5/115

- sign 112.150 ± 58.367 χ^2/NDF : 74.9/58

asym_sam_37_dd_rms vs Slug



Right In: 718.325+/-0.128 χ^2/NDF : 2880637.8/31

Left Out: 253.137+/-0.043 χ^2/NDF : 2665975.8/24

Right Out: 727.184+/-0.126 χ^2/NDF : 3831236.8/35

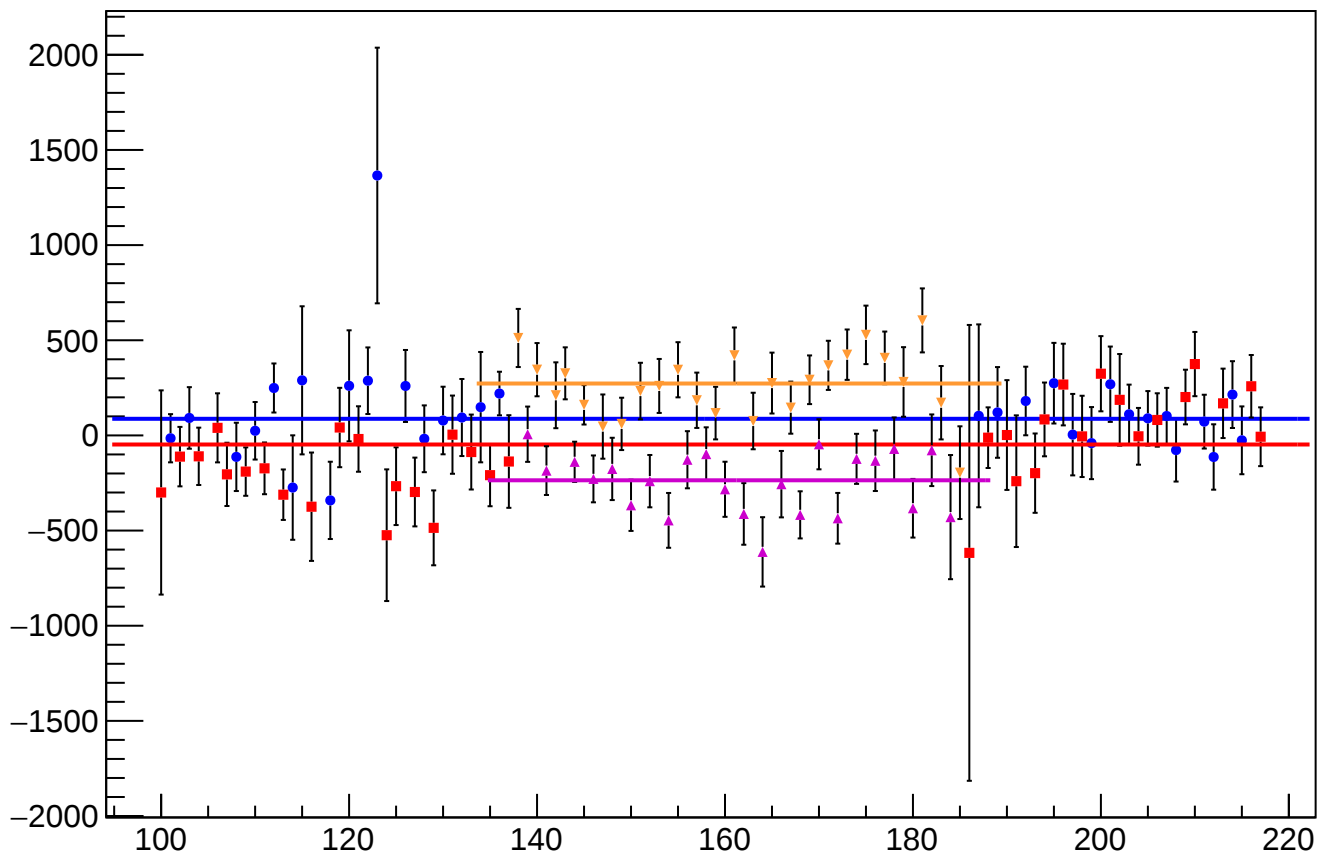
Left In: 248.069+/-0.044 χ^2/NDF : 2343295.0/22

+ sign 300.918+/-0.041 χ^2/NDF : 17331227.1/56

All: 300.237+/-0.029 χ^2/NDF : 36431274.9/11

- sign 299.552+/-0.041 χ^2/NDF : 19099498.8/58

reg_asym_sam_48_dd_mean vs Slug



Right In: 87.316+/-31.600 χ^2/NDF : 23.8/31

Left Out: 272.684+/-29.221 χ^2/NDF : 27.4/24

Right Out: -47.744+/-30.503 χ^2/NDF : 43.8/35

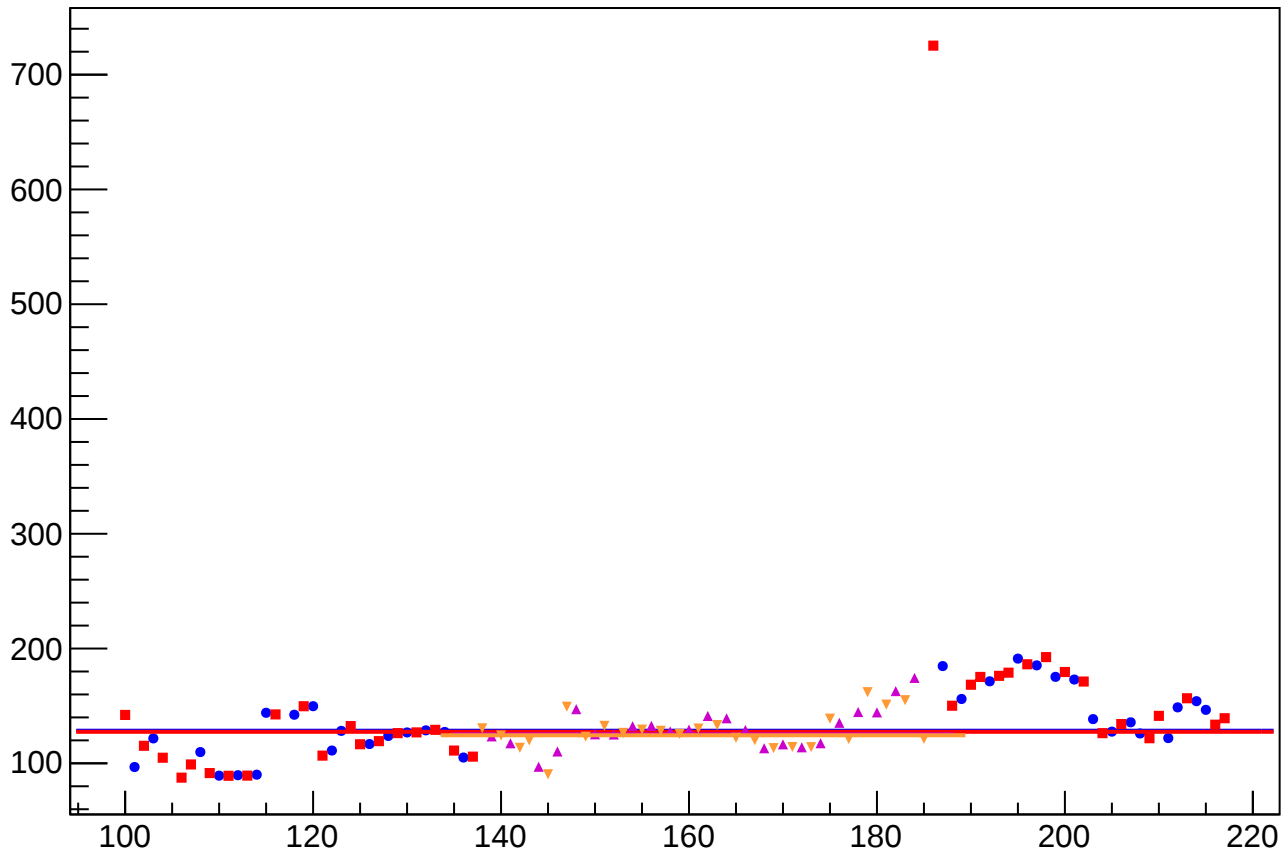
Left In: -235.801+/-30.232 χ^2/NDF : 24.6/22

+ sign 187.239+/-21.454 χ^2/NDF : 69.8/56

All: 22.452+/-15.177 χ^2/NDF : 275.5/115

- sign -142.614+/-21.472 χ^2/NDF : 87.6/58

reg_asym_sam_48_dd_rms vs Slug



Right In: 128.414 $\pm$ 0.022 χ^2 /NDF: 1459021.6/31

Left Out: 124.429 $\pm$ 0.021 χ^2 /NDF: 539731.8/24

Right Out: 127.464 $\pm$ 0.022 χ^2 /NDF: 2299723.9/35

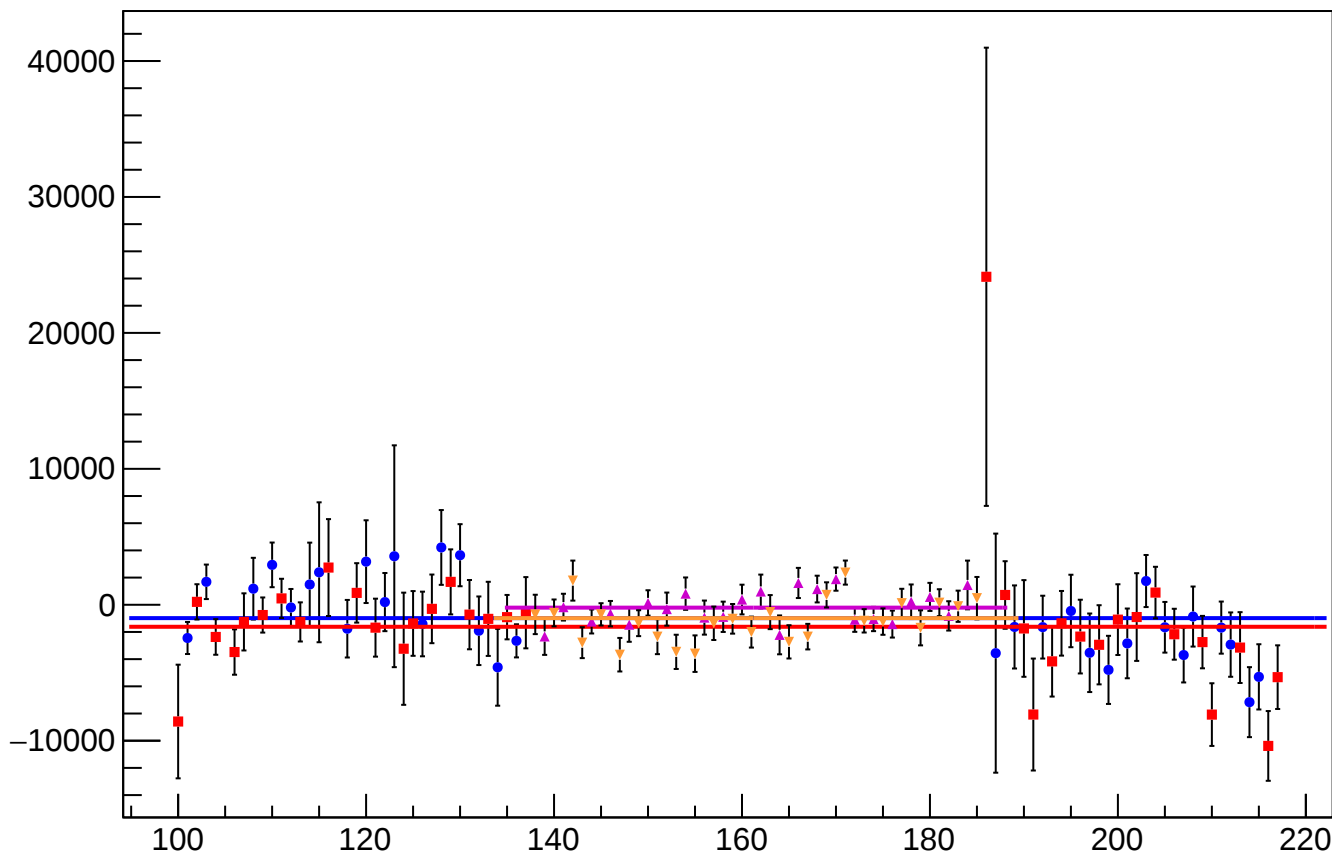
Left In: 125.205 $\pm$ 0.021 χ^2 /NDF: 501388.2/22

+ sign 126.266 $\pm$ 0.015 χ^2 /NDF: 2015901.0/56

All: 126.295 $\pm$ 0.011 χ^2 /NDF: 4822553.2/115

- sign 126.324 $\pm$ 0.015 χ^2 /NDF: 2806644.7/58

asym_sam_48_dd_correction_mean vs Slug



Right In: -981.541 $\pm$ 370.731 χ^2/NDF : 45.6/31

Left Out: -982.839 $\pm$ 218.021 χ^2/NDF : 47.2/24

Right Out: -1618.377 $\pm$ 355.899 χ^2/NDF : 46.2/35

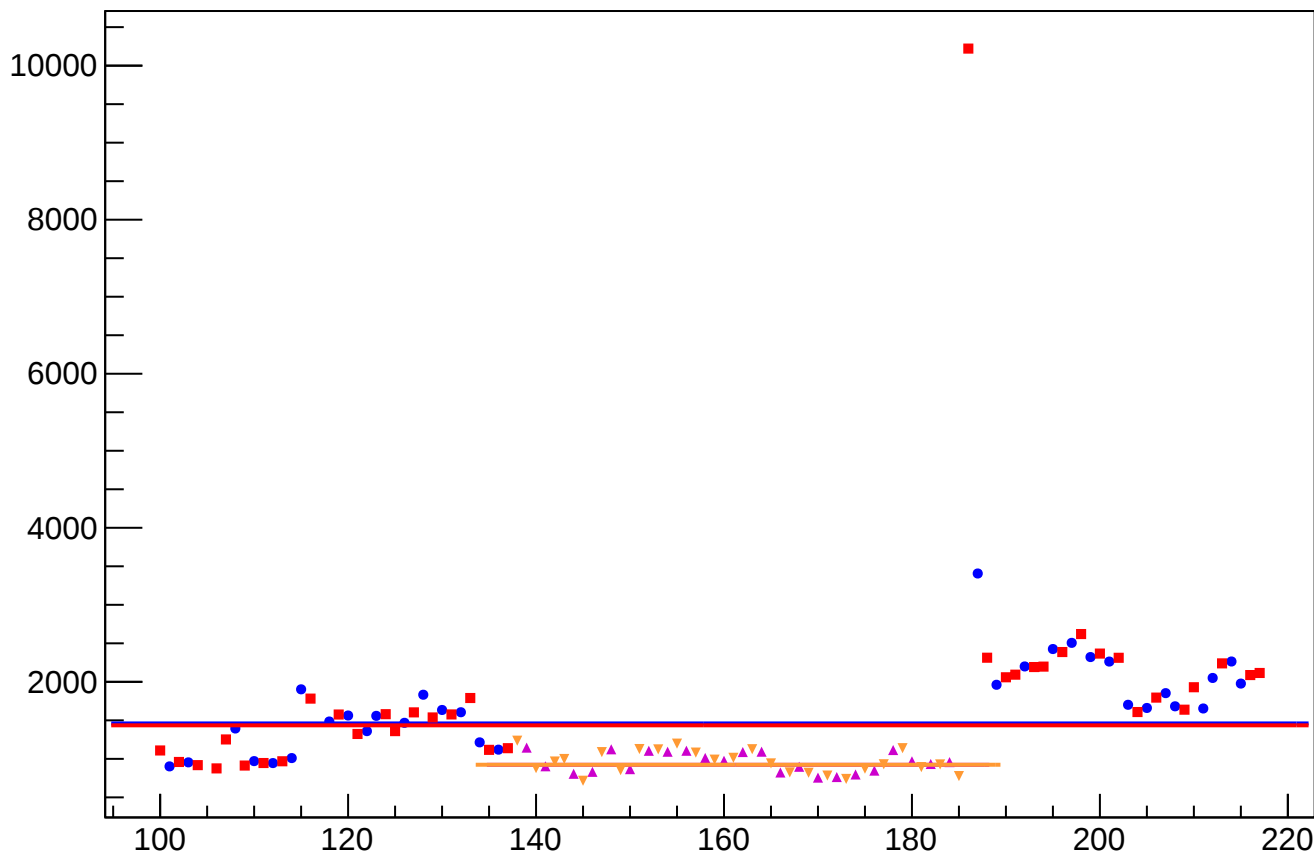
Left In: -211.420 $\pm$ 223.296 χ^2/NDF : 25.7/22

+ sign -982.505 $\pm$ 187.932 χ^2/NDF : 92.8/56

All: -796.873 $\pm$ 133.316 χ^2/NDF : 177.9/115

- sign -608.828 $\pm$ 189.149 χ^2/NDF : 83.1/58

asym_sam_48_dd_correction_rms vs Slug



Right In: 1459.833+/-0.262 χ^2/NDF : 3420271.8/31

Left Out: 923.586+/-0.154 χ^2/NDF : 842758.6/24

Right Out: 1435.448+/-0.252 χ^2/NDF : 4747995.9/35

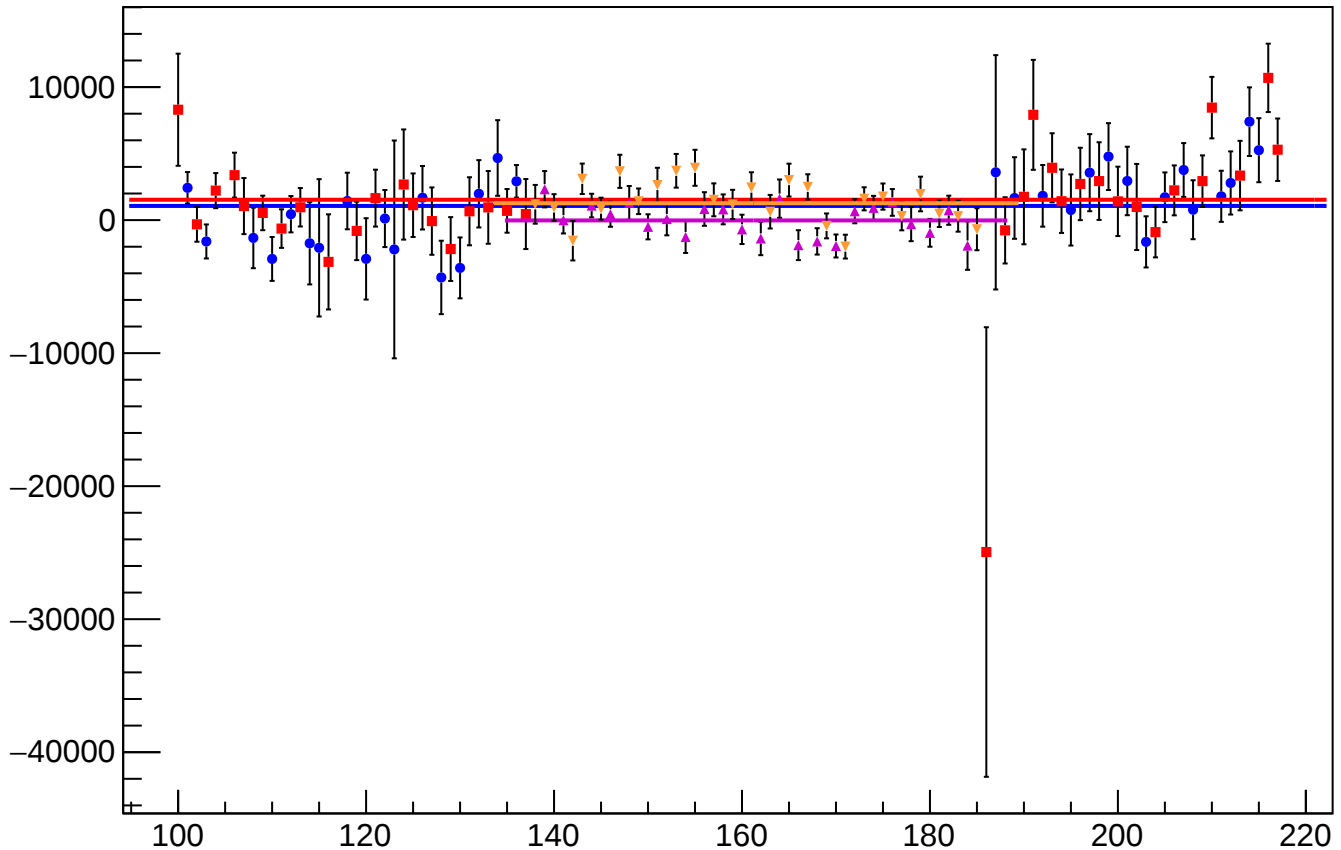
Left In: 922.245+/-0.158 χ^2/NDF : 634712.1/22

+ sign 1061.386+/-0.133 χ^2/NDF : 7372214.2/56

All: 1064.276+/-0.094 χ^2/NDF : 15739886.5/100

- sign 1067.204+/-0.134 χ^2/NDF : 8366720.2/58

asym_sam_48_dd_mean vs Slug



Right In: 1066.082 ± 372.285 $\chi^2/\text{NDF}: 45.4/31$

Left Out: 1267.344 ± 220.133 $\chi^2/\text{NDF}: 44.9/24$

Right Out: 1530.946 ± 357.537 $\chi^2/\text{NDF}: 49.4/35$

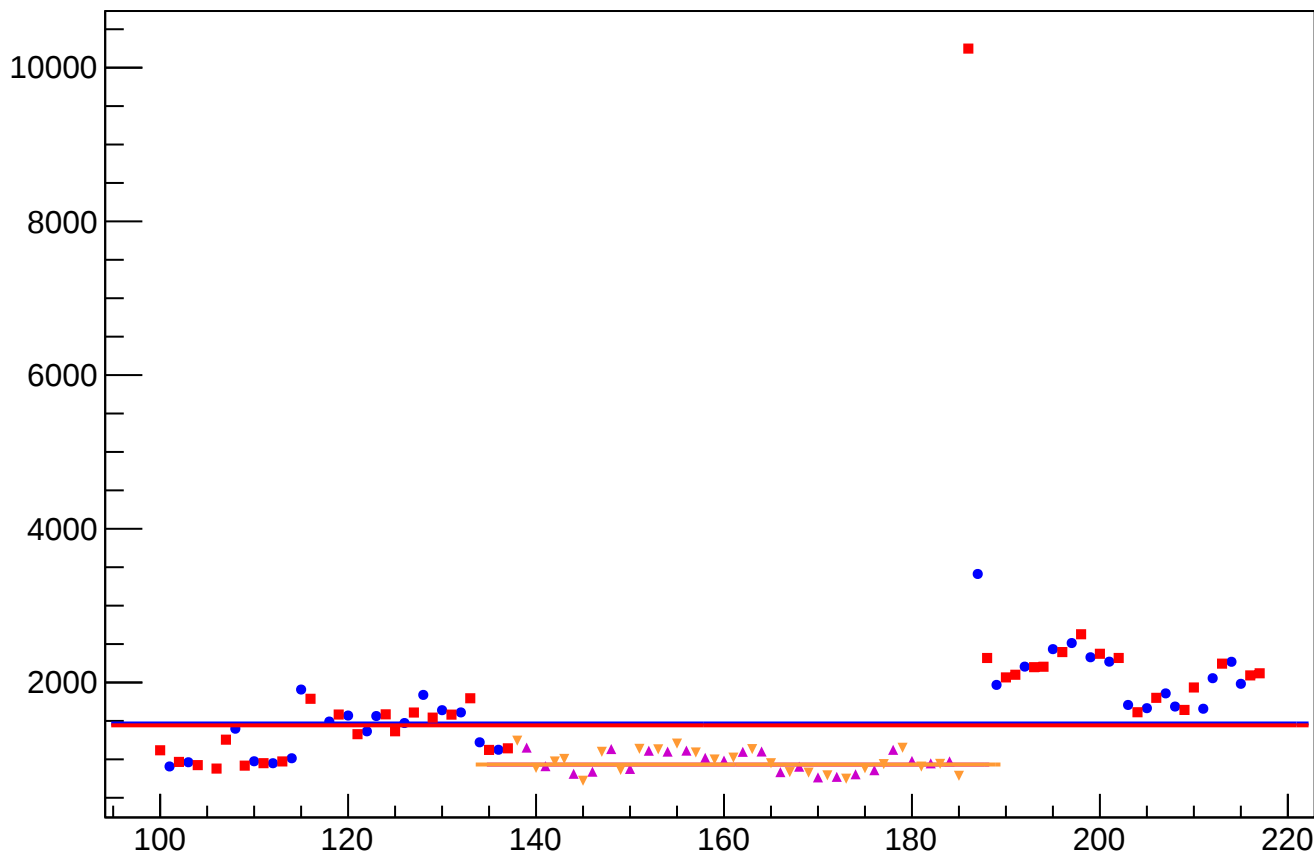
Left In: -23.478 ± 225.490 $\chi^2/\text{NDF}: 27.2/22$

+ sign 1215.205 ± 189.486 $\chi^2/\text{NDF}: 90.6/56$

All: 819.632 ± 134.423 $\chi^2/\text{NDF}: 189.5/115$

- sign 418.859 ± 190.727 $\chi^2/\text{NDF}: 90.1/58$

asym_sam_48_dd_rms vs Slug



Right In: 1466.524+/-0.263 χ^2/NDF : 3397401.9/31

Left Out: 932.764+/-0.156 χ^2/NDF : 829798.4/24

Right Out: 1442.551+/-0.253 χ^2/NDF : 4718111.7/35

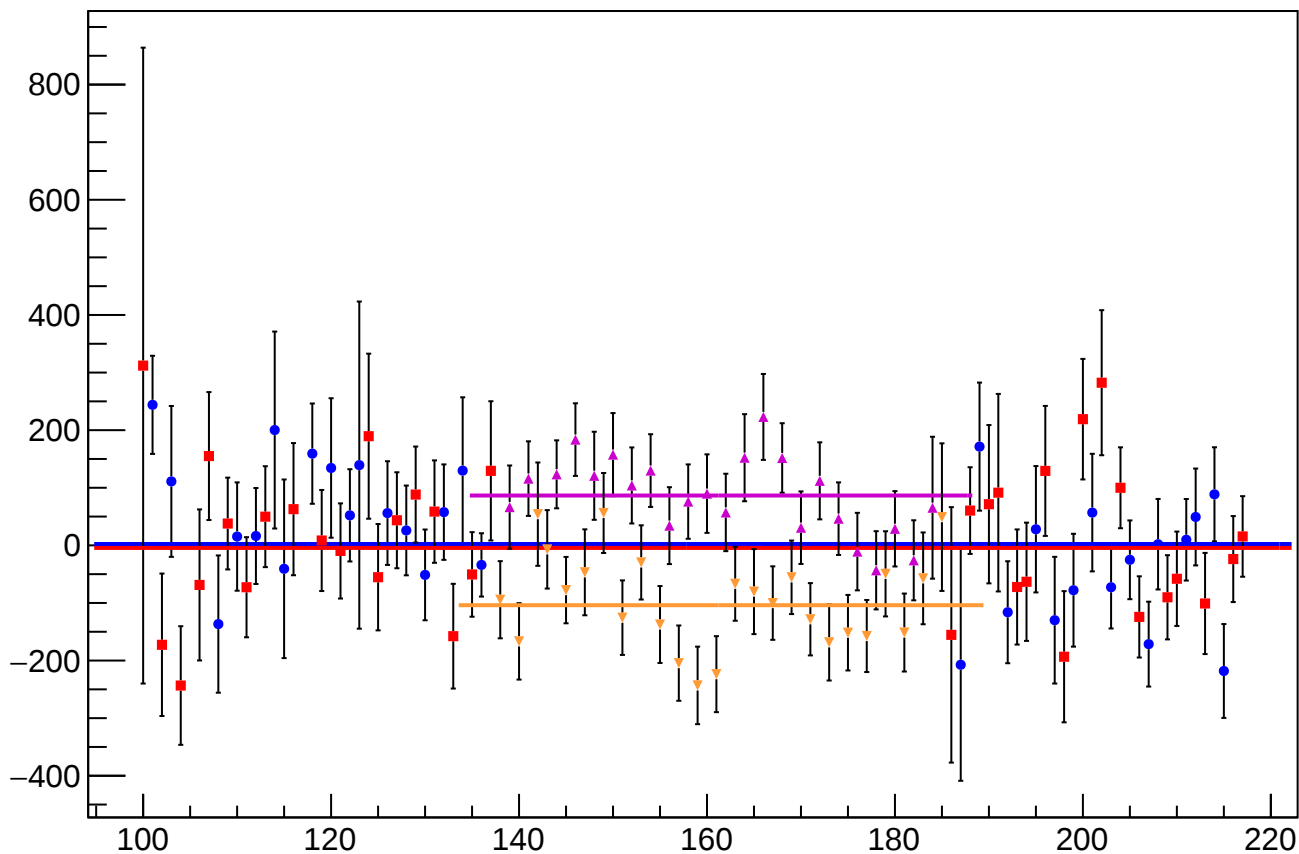
Left In: 931.493+/-0.159 χ^2/NDF : 624436.4/22

+ sign 1071.040+/-0.134 χ^2/NDF : 7273364.3/56

All: 1073.962+/-0.095 χ^2/NDF : 15540343.2/100

- sign 1076.923+/-0.135 χ^2/NDF : 8266021.5/58

reg_asym_sam_13_57_dd_mean vs Slug



Right In: 2.344 ± 15.910 χ^2/NDF : 42.6/31

Left Out: -103.899 ± 13.642 χ^2/NDF : 30.0/24

Right Out: -4.433 ± 15.669 χ^2/NDF : 45.0/35

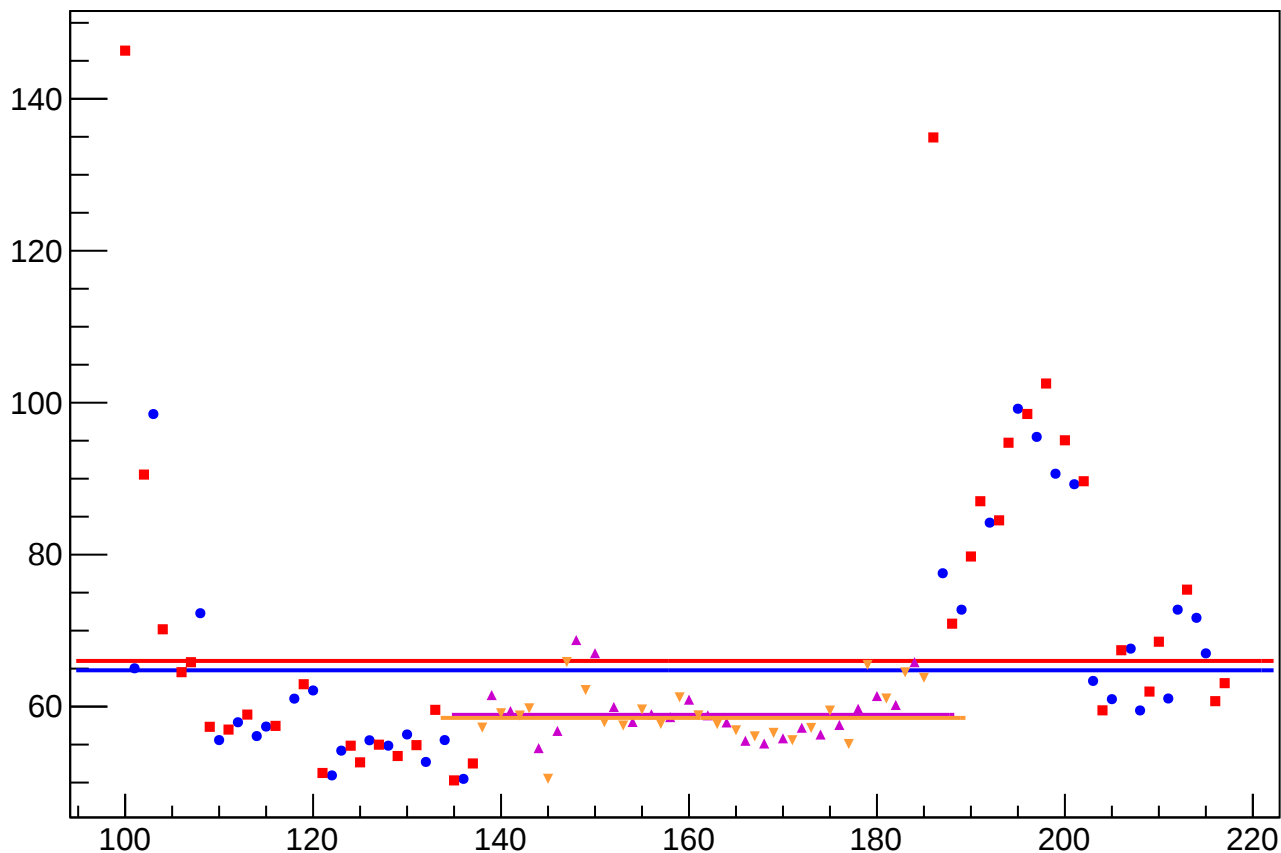
Left In: 86.542 ± 14.120 χ^2/NDF : 21.4/22

+ sign -58.884 ± 10.356 χ^2/NDF : 98.3/56

All: -7.223 ± 7.370 χ^2/NDF : 233.6/115

- sign 45.773 ± 10.489 χ^2/NDF : 84.9/58

reg_asym_sam_13_57_dd_rms vs Slug



Right In: 64.776 $\pm$ 0.011 χ^2 /NDF: 1294997.6/31

Left Out: 58.513 $\pm$ 0.010 χ^2 /NDF:123221.6/24

Right Out: 66.011 $\pm$ 0.011 χ^2 /NDF: 1687213.1/35

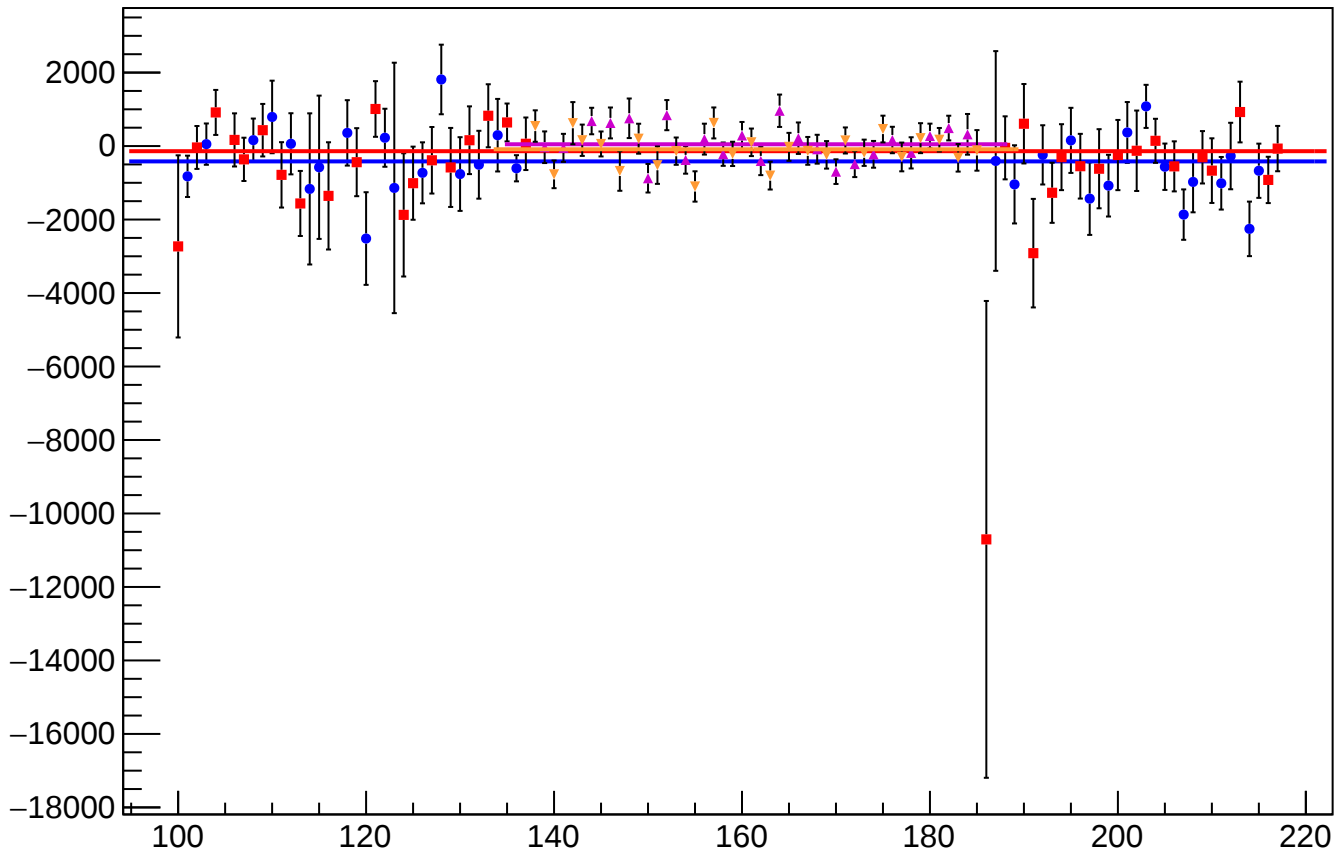
Left In: 58.913 $\pm$ 0.010 χ^2 /NDF:109968.0/22

+ sign 61.167 $\pm$ 0.007 χ^2 /NDF: 1596838.6/56

All: 61.625 $\pm$ 0.005 χ^2 /NDF: 3628415.8/115

- sign 62.094 $\pm$ 0.007 χ^2 /NDF: 2023659.2/58

asym_sam_13_57_dd_correction_mean vs Slug



Right In: -417.381 ± 137.428 χ^2/NDF : 36.9/31

Left Out: -87.459 ± 78.556 χ^2/NDF : 27.7/24

Right Out: -139.714 ± 135.507 χ^2/NDF : 30.3/35

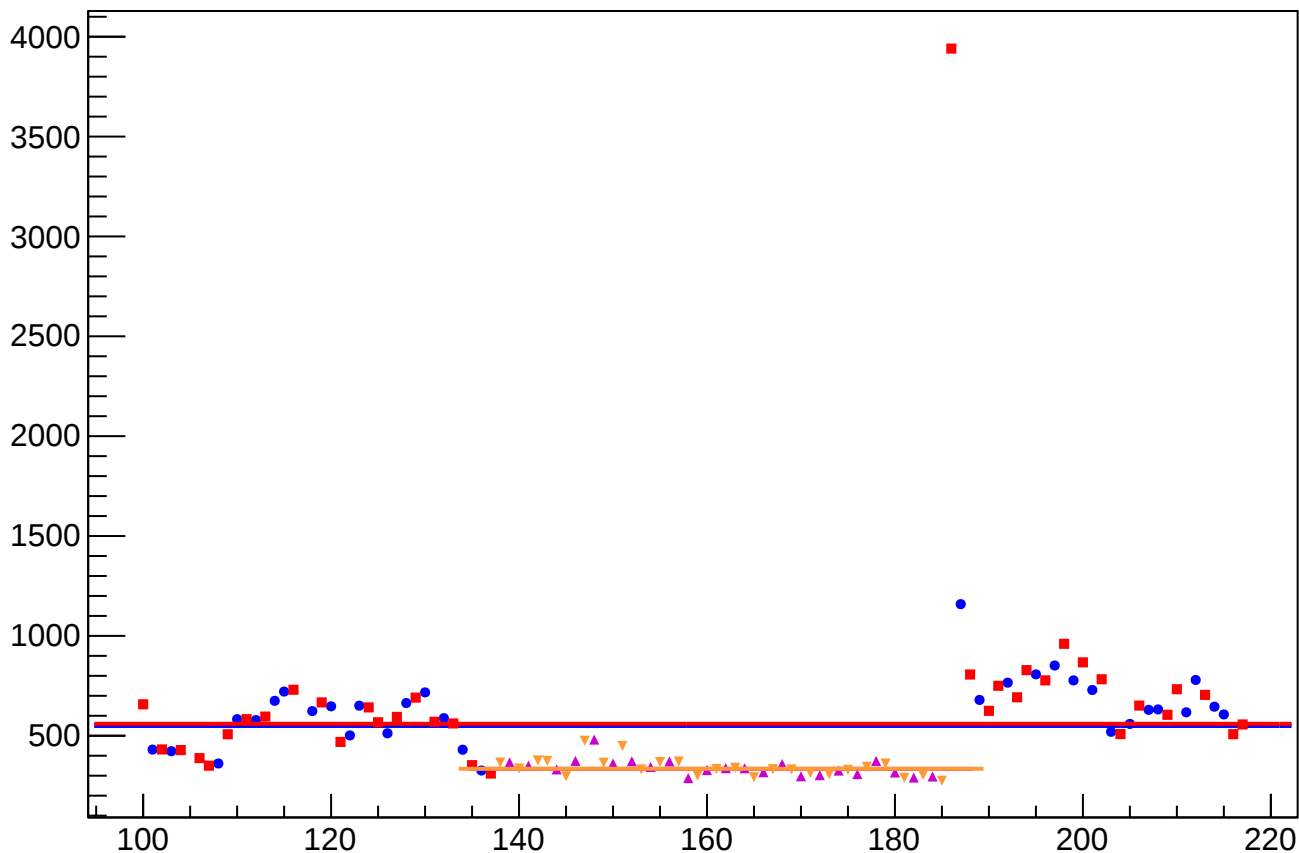
Left In: 48.742 ± 80.548 χ^2/NDF : 35.3/22

+ sign -168.711 ± 68.201 χ^2/NDF : 68.9/56

All: -85.857 ± 48.588 χ^2/NDF : 139.0/115

- sign -0.461 ± 69.239 χ^2/NDF : 67.1/58

asym_sam_13_57_dd_correction_rms vs Slug



Right In: 549.055+/-0.097 χ^2/NDF : 2469178.2/31

Left Out: 334.749+/-0.056 χ^2/NDF : 491370.4/24

Right Out: 559.719+/-0.096 χ^2/NDF : 3141473.8/35

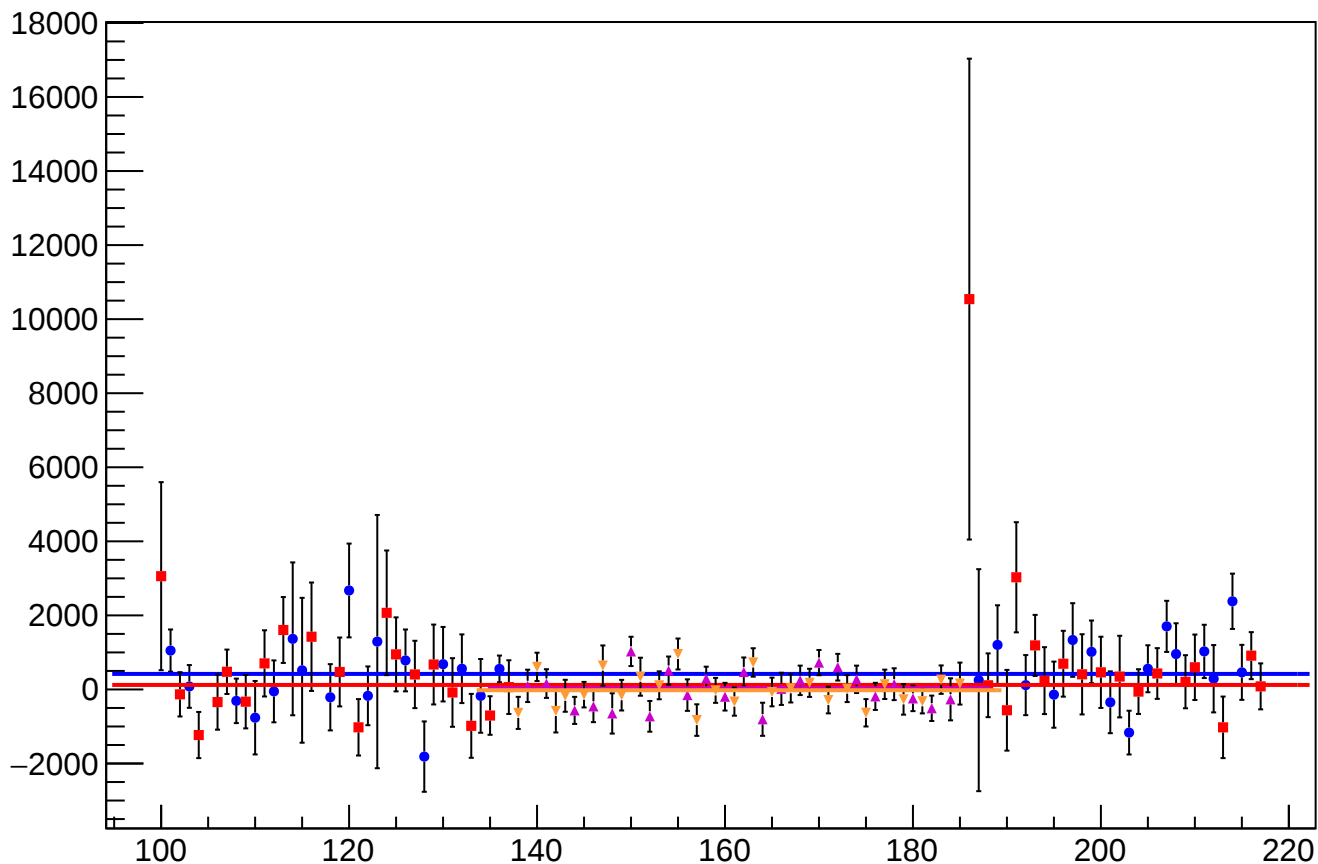
Left In: 334.147+/-0.057 χ^2/NDF : 397200.6/22

+ sign 387.527+/-0.048 χ^2/NDF : 6626280.2/56

All: 390.242+/-0.034 χ^2/NDF : 14266570.3/11

- sign 393.040+/-0.049 χ^2/NDF : 7633856.3/58

asym_sam_13_57_dd_mean vs Slug



Right In: 419.614 $\pm$ 138.718 χ^2 /NDF: 37.6/31

Left Out: -20.895 $\pm$ 79.812 χ^2 /NDF:27.2/24

Right Out: 121.865 $\pm$ 136.823 χ^2 /NDF: 33.5/35

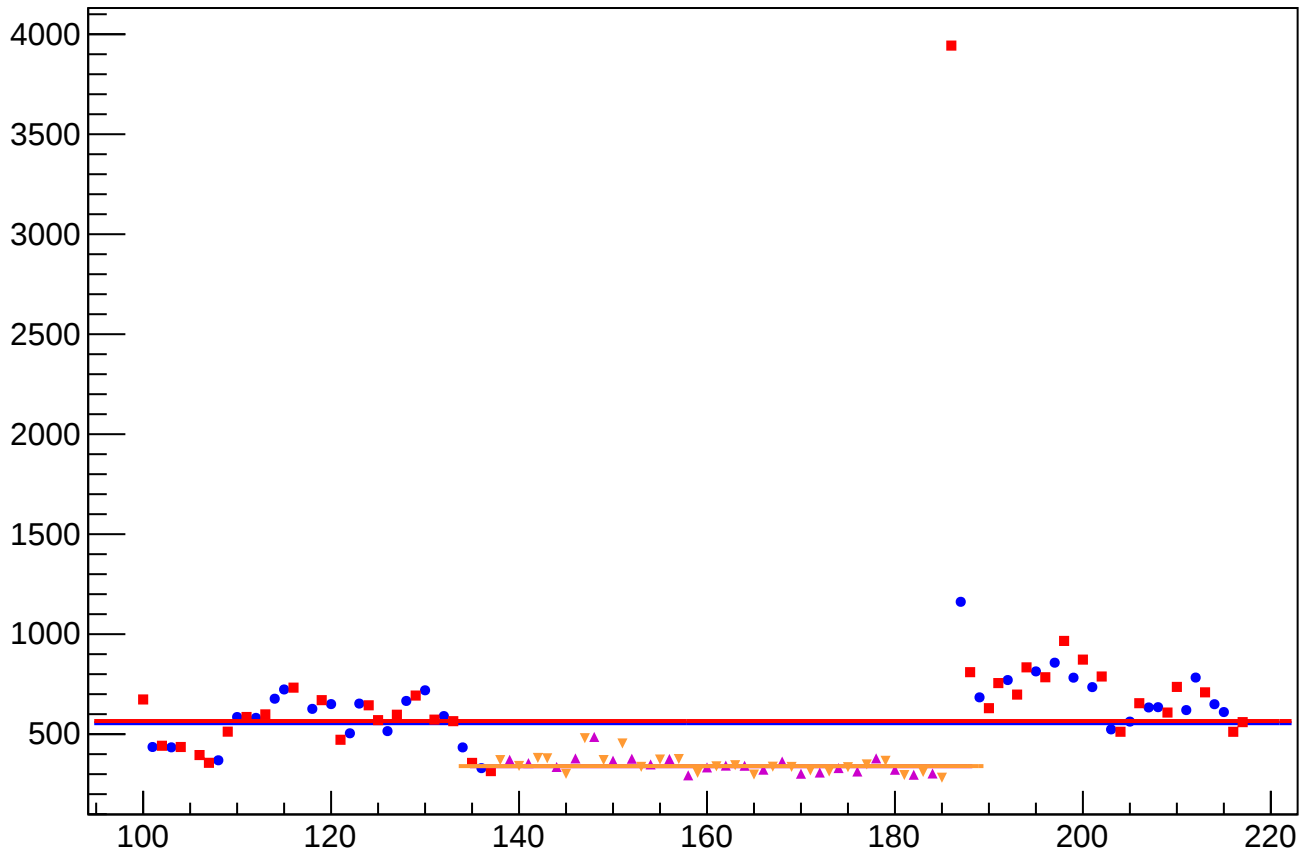
Left In: 31.800 $\pm$ 81.839 χ^2 /NDF:34.0/22

+ sign 88.660 $\pm$ 69.179 χ^2 /NDF: 72.4/56

All: 72.347 $\pm$ 49.286 χ^2 /NDF: 140.4/115

- sign 55.532 $\pm$ 70.234 χ^2 /NDF: 67.9/58

asym_sam_13_57_dd_rms vs Slug



Right In: 554.845 $\pm$ 0.098 χ^2 /NDF: 2400330.6/31

Left Out: 340.238 $\pm$ 0.056 χ^2 /NDF: 468863.6/24

Right Out: 565.686 $\pm$ 0.097 χ^2 /NDF: 3071430.8/35

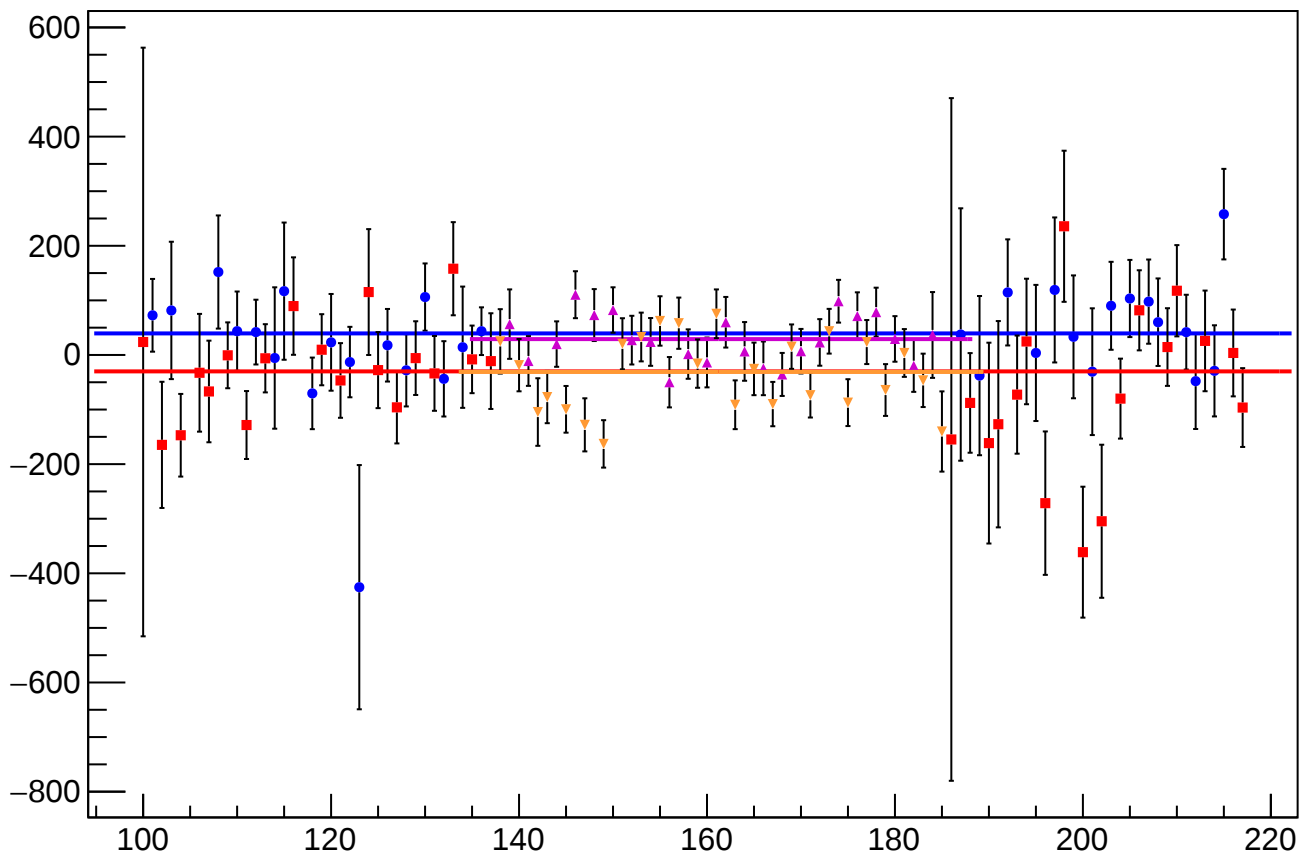
Left In: 339.621 $\pm$ 0.058 χ^2 /NDF: 379808.1/22

+ sign 393.611 $\pm$ 0.049 χ^2 /NDF: 6465546.4/56

All: 396.358 $\pm$ 0.035 χ^2 /NDF: 13944342.2/11

- sign 399.189 $\pm$ 0.050 χ^2 /NDF: 7472392.6/58

reg_asym_sam_15_37_dd_mean vs Slug



Right In: 39.484 ± 14.305 χ^2/NDF : 25.8/31

Left Out: -31.063 ± 9.170 χ^2/NDF : 52.6/24

Right Out: -30.083 ± 14.084 χ^2/NDF : 44.6/35

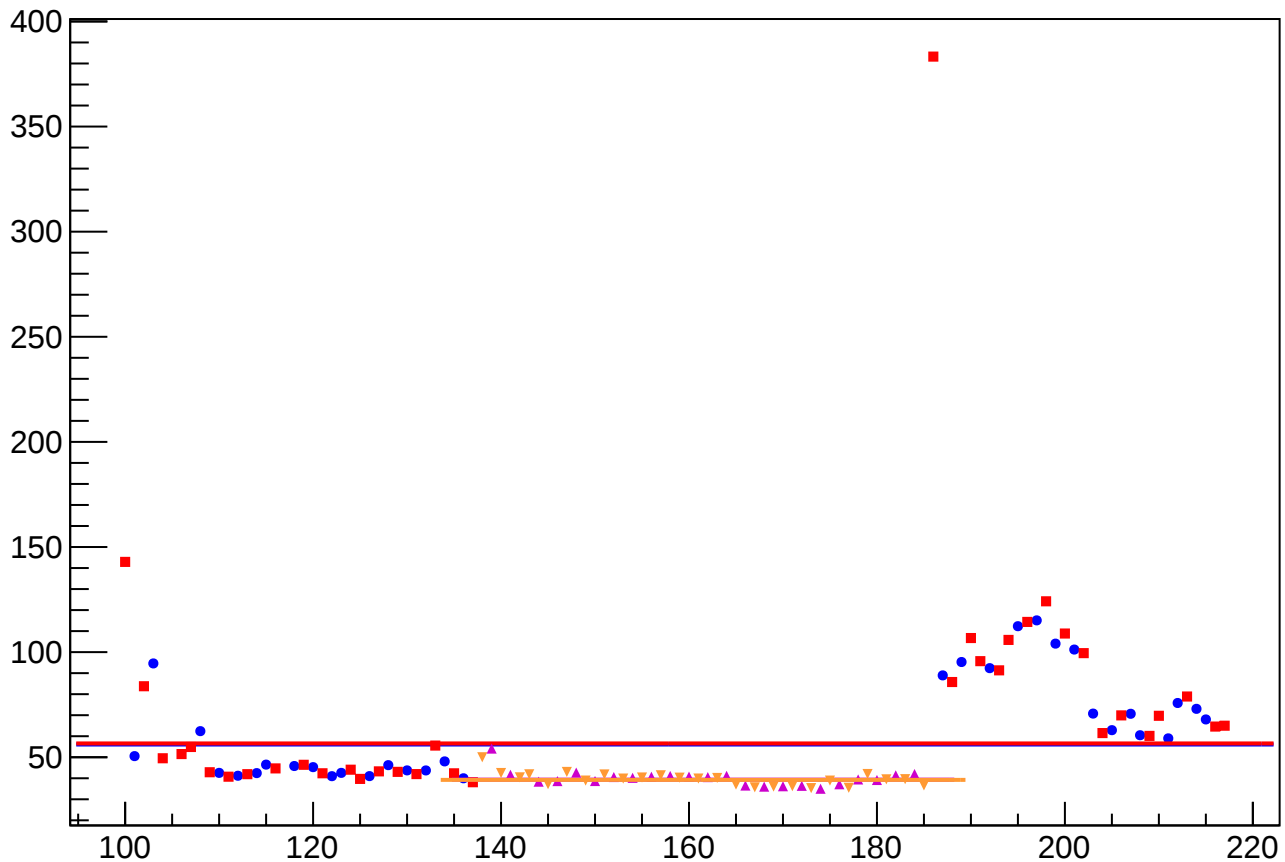
Left In: 29.055 ± 9.449 χ^2/NDF : 22.4/22

+ sign -10.518 ± 7.720 χ^2/NDF : 95.7/56

All: -0.084 ± 5.503 χ^2/NDF : 178.6/115

- sign 10.697 ± 7.847 χ^2/NDF : 79.2/58

reg_asym_sam_15_37_dd_rms vs Slug



Right In: 56.049 $\pm$ 0.010 χ^2 /NDF: 3528453.2/31

Left Out: 39.235 $\pm$ 0.006 χ^2 /NDF: 201960.7/24

Right Out: 56.567 $\pm$ 0.010 χ^2 /NDF: 4568923.4/35

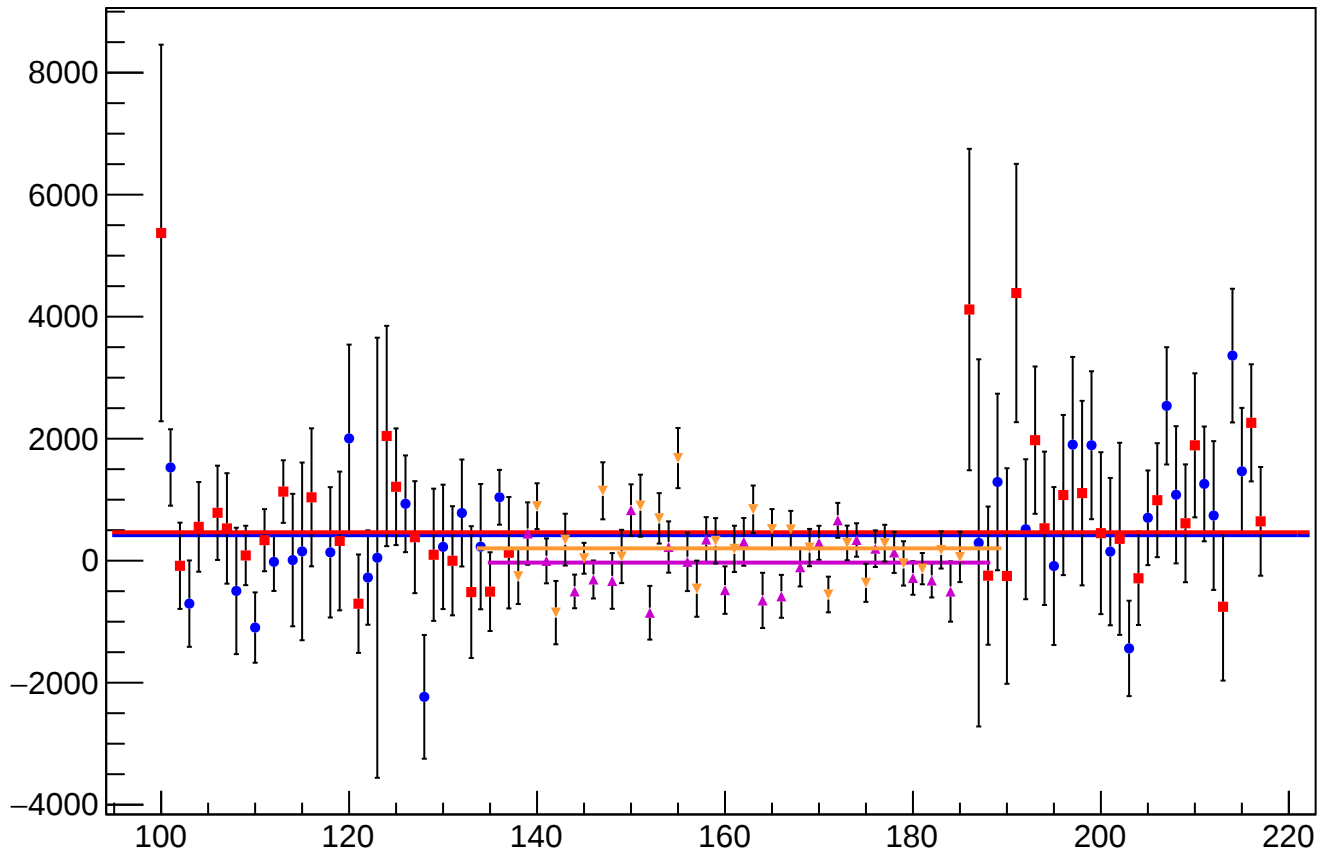
Left In: 39.338 $\pm$ 0.007 χ^2 /NDF: 215671.3/22

+ sign 44.132 $\pm$ 0.005 χ^2 /NDF: 5688786.4/56

All: 44.405 $\pm$ 0.004 χ^2 /NDF: 12542415.8/115

- sign 44.687 $\pm$ 0.006 χ^2 /NDF: 6848545.0/58

asym_sam_15_37_dd_correction_mean vs Slug



Right In: 418.304 ± 157.121 χ^2/NDF : 48.9/31

Left Out: 202.369 ± 70.426 χ^2/NDF : 44.8/24

Right Out: 465.903 ± 151.778 χ^2/NDF : 28.3/35

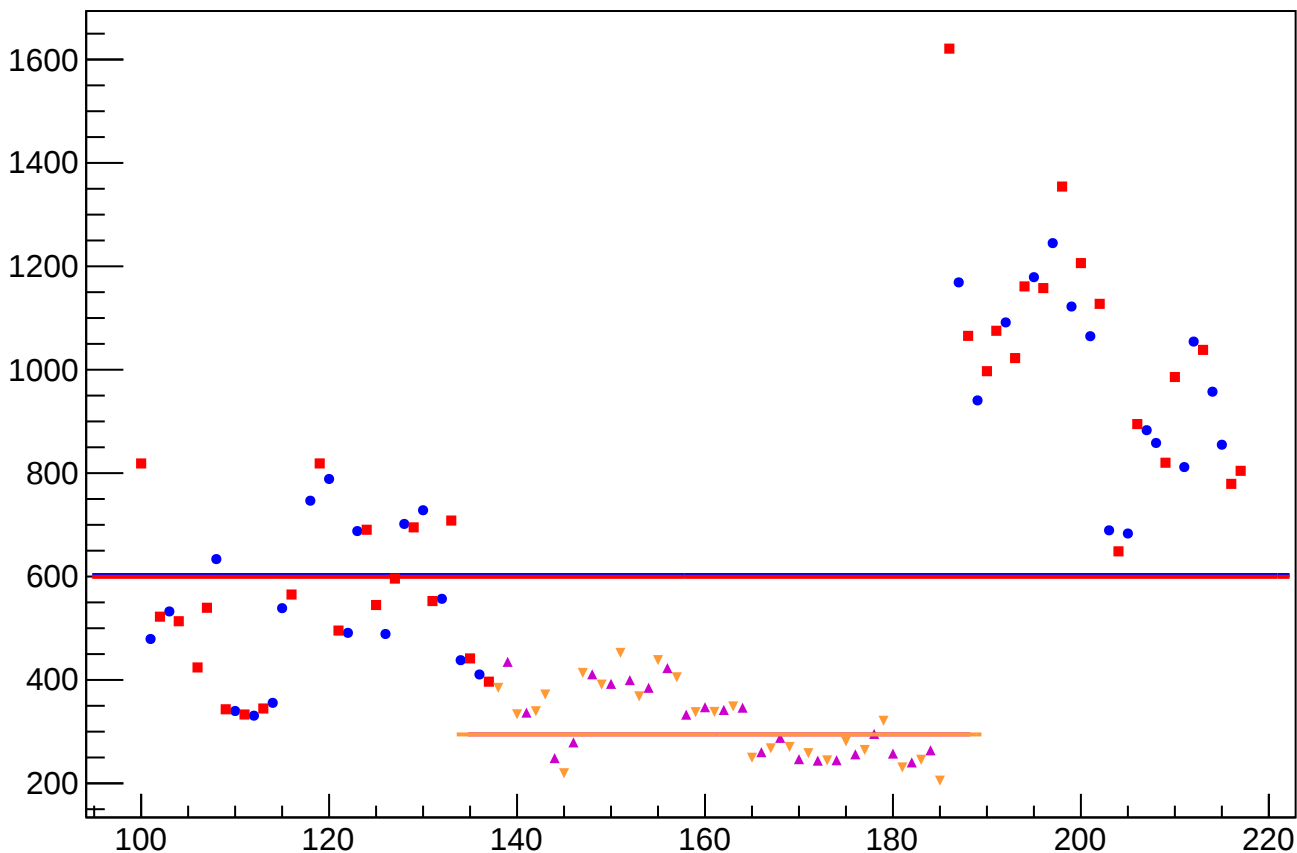
Left In: -31.548 ± 72.100 χ^2/NDF : 33.4/22

+ sign 238.494 ± 64.265 χ^2/NDF : 95.3/56

All: 150.452 ± 45.744 χ^2/NDF : 169.5/115

- sign 60.038 ± 65.125 χ^2/NDF : 70.4/58

asym_sam_15_37_dd_correction_rms vs Slug



Right In: 602.991+/-0.111 χ^2/NDF : 4912548.3/31

Left Out: 294.591+/-0.050 χ^2/NDF : 1680474.5/24

Right Out: 599.398+/-0.107 χ^2/NDF : 6103784.0/35

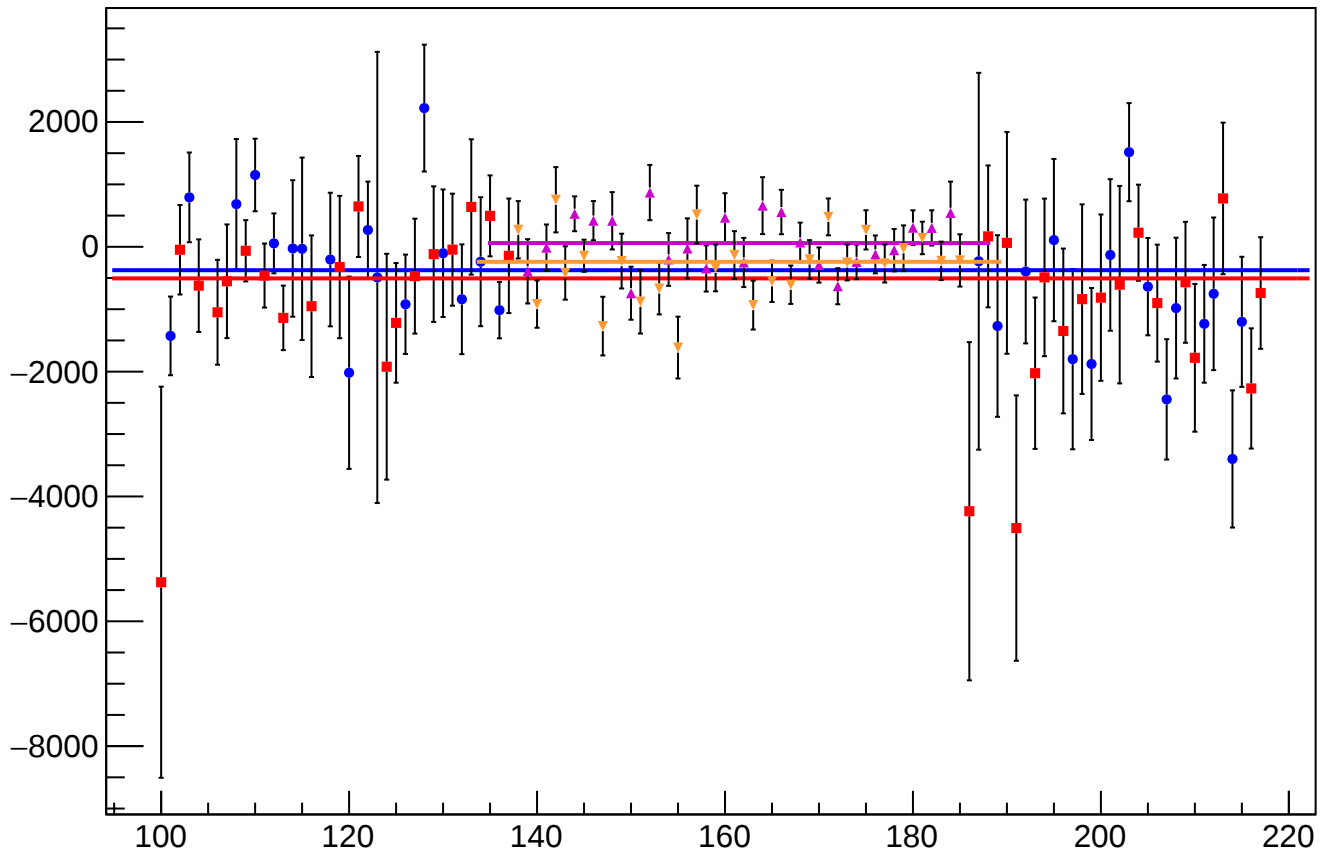
Left In: 294.722+/-0.051 χ^2/NDF : 1297310.3/22

+ sign 346.186+/-0.045 χ^2/NDF : 13009242.1/56

All: 348.470+/-0.032 χ^2/NDF : 26990791.2/11

- sign 350.816+/-0.046 χ^2/NDF : 13976426.0/58

asym_sam_15_37_dd_mean vs Slug



Right In: -374.864 ± 157.989 $\chi^2/\text{NDF}: 48.5/31$

Left Out: -240.357 ± 71.100 $\chi^2/\text{NDF}: 42.9/24$

Right Out: -506.046 ± 153.092 $\chi^2/\text{NDF}: 27.8/35$

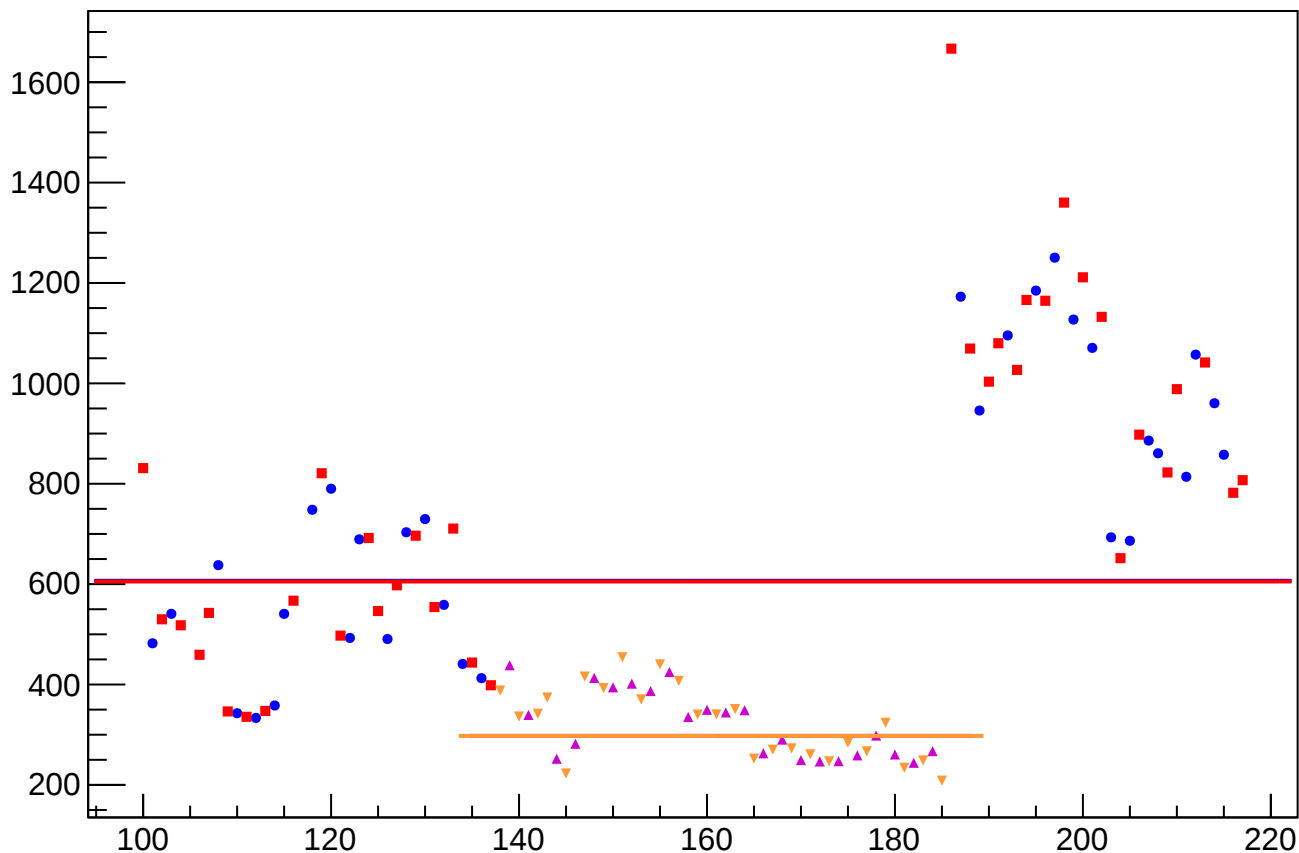
Left In: 60.330 ± 72.788 $\chi^2/\text{NDF}: 30.9/22$

+ sign -263.011 ± 64.837 $\chi^2/\text{NDF}: 92.0/56$

All: -155.061 ± 46.161 $\chi^2/\text{NDF}: 167.5/115$

- sign -44.097 ± 65.736 $\chi^2/\text{NDF}: 69.8/58$

asym_sam_15_37_dd_rms vs Slug



Right In: 606.663+/-0.112 χ^2/NDF : 4881077.3/31

Left Out: 297.613+/-0.050 χ^2/NDF :1637757.8/24

Right Out: 605.278+/-0.108 χ^2/NDF : 6028286.9/35

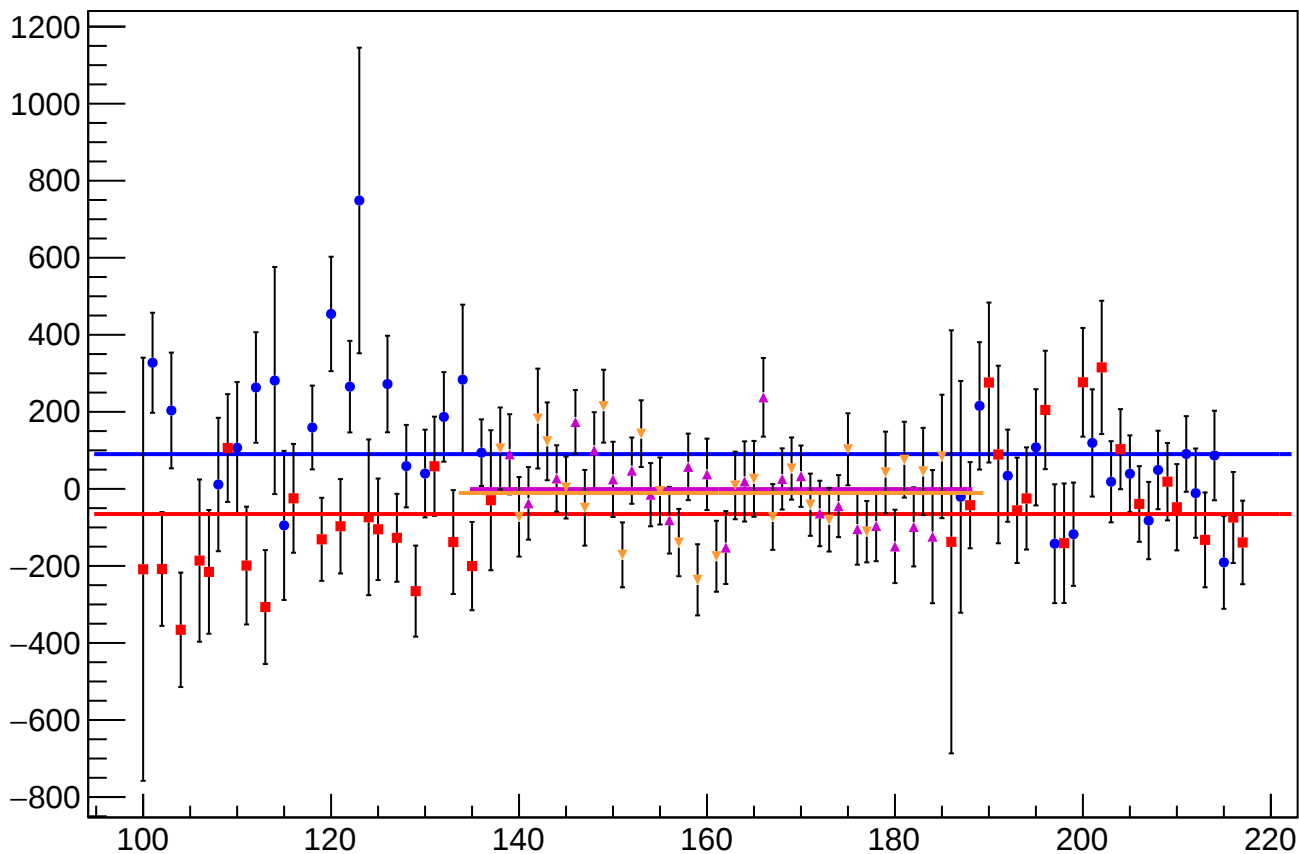
Left In: 297.699+/-0.051 χ^2/NDF :1266306.2/22

+ sign 349.663+/-0.046 χ^2/NDF : 12882931.1/56

All: 352.004+/-0.033 χ^2/NDF : 26767430.7/11

- sign 354.410+/-0.046 χ^2/NDF : 13879213.5/58

reg_asym_sam_24_68_dd_mean vs Slug



Right In: 90.203 $\pm$ 22.671 χ^2 /NDF: 38.0/31

Left Out: -10.667 $\pm$ 18.610 χ^2 /NDF: 36.3/24

Right Out: -65.350 $\pm$ 22.639 χ^2 /NDF: 39.2/35

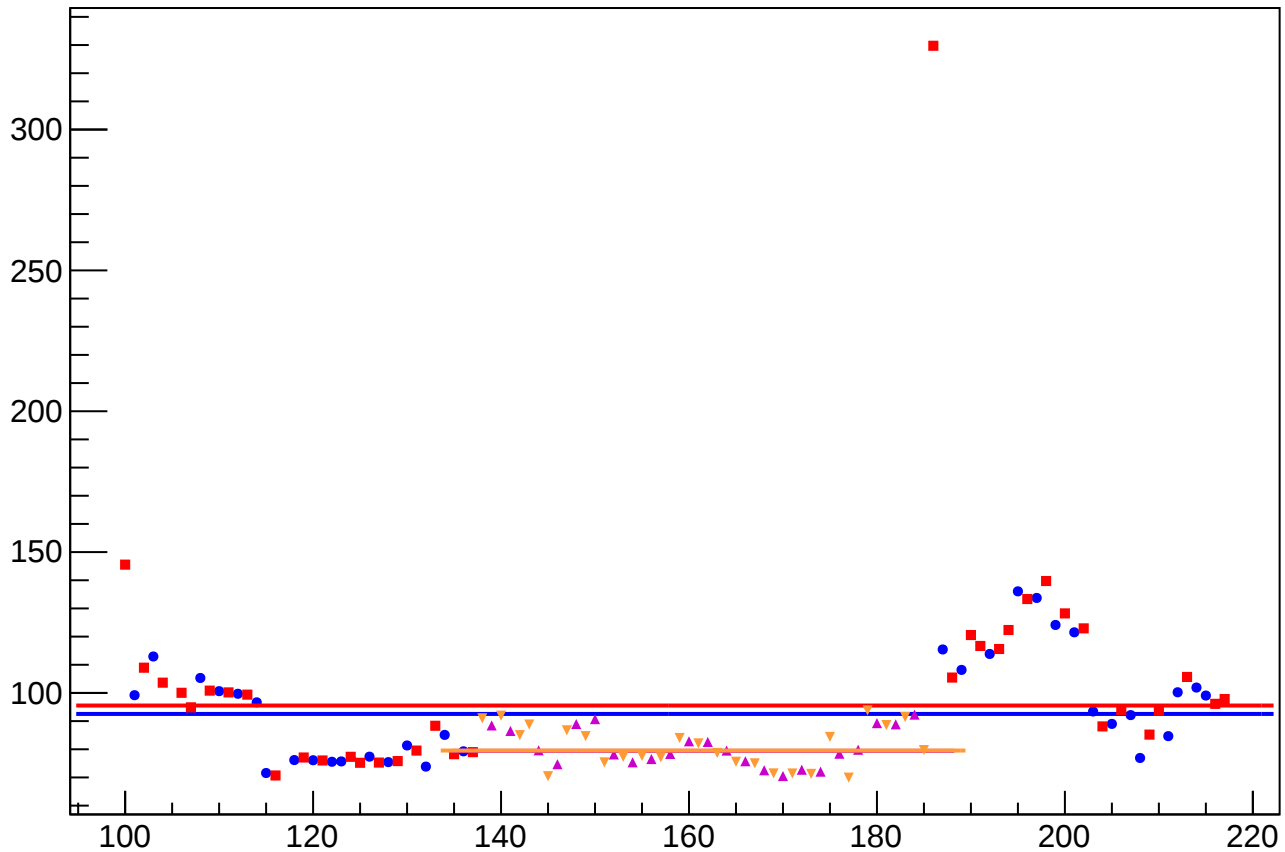
Left In: -0.575 $\pm$ 19.091 χ^2 /NDF: 23.8/22

+ sign 29.939 $\pm$ 14.384 χ^2 /NDF: 86.2/56

All: 1.640 $\pm$ 10.245 χ^2 /NDF: 161.8/115

- sign -27.494 $\pm$ 14.595 χ^2 /NDF: 67.7/58

reg_asym_sam_24_68_dd_rms vs Slug



Right In: 92.548 $\pm$ 0.016 χ^2/NDF : 1091671.9/31

Left Out: 79.551 $\pm$ 0.013 χ^2/NDF : 309075.2/24

Right Out: 95.532 $\pm$ 0.016 χ^2/NDF : 1536245.1/35

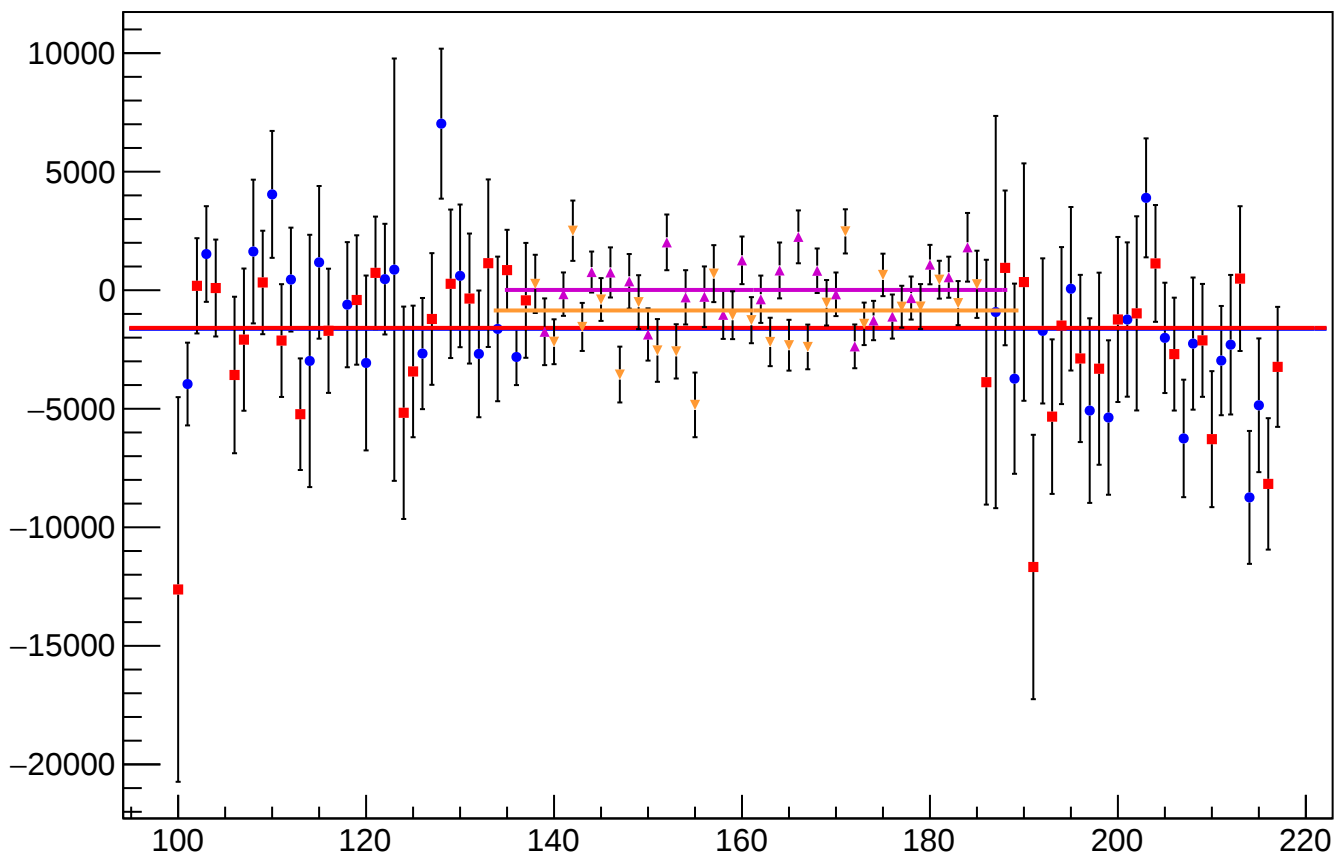
Left In: 79.436 $\pm$ 0.013 χ^2/NDF : 212440.1/22

+ sign 84.783 $\pm$ 0.010 χ^2/NDF : 1793447.4/56

All: 85.445 $\pm$ 0.007 χ^2/NDF : 4141520.1/115

- sign 86.126 $\pm$ 0.010 χ^2/NDF : 2339487.0/58

asym_sam_24_68_dd_correction_mean vs Slug



Right In: -1628.275 ± 464.177 χ^2/NDF : 41.3/31

Left Out: -854.130 ± 204.090 χ^2/NDF : 56.0/24

Right Out: -1588.308 ± 467.477 χ^2/NDF : 29.2/35

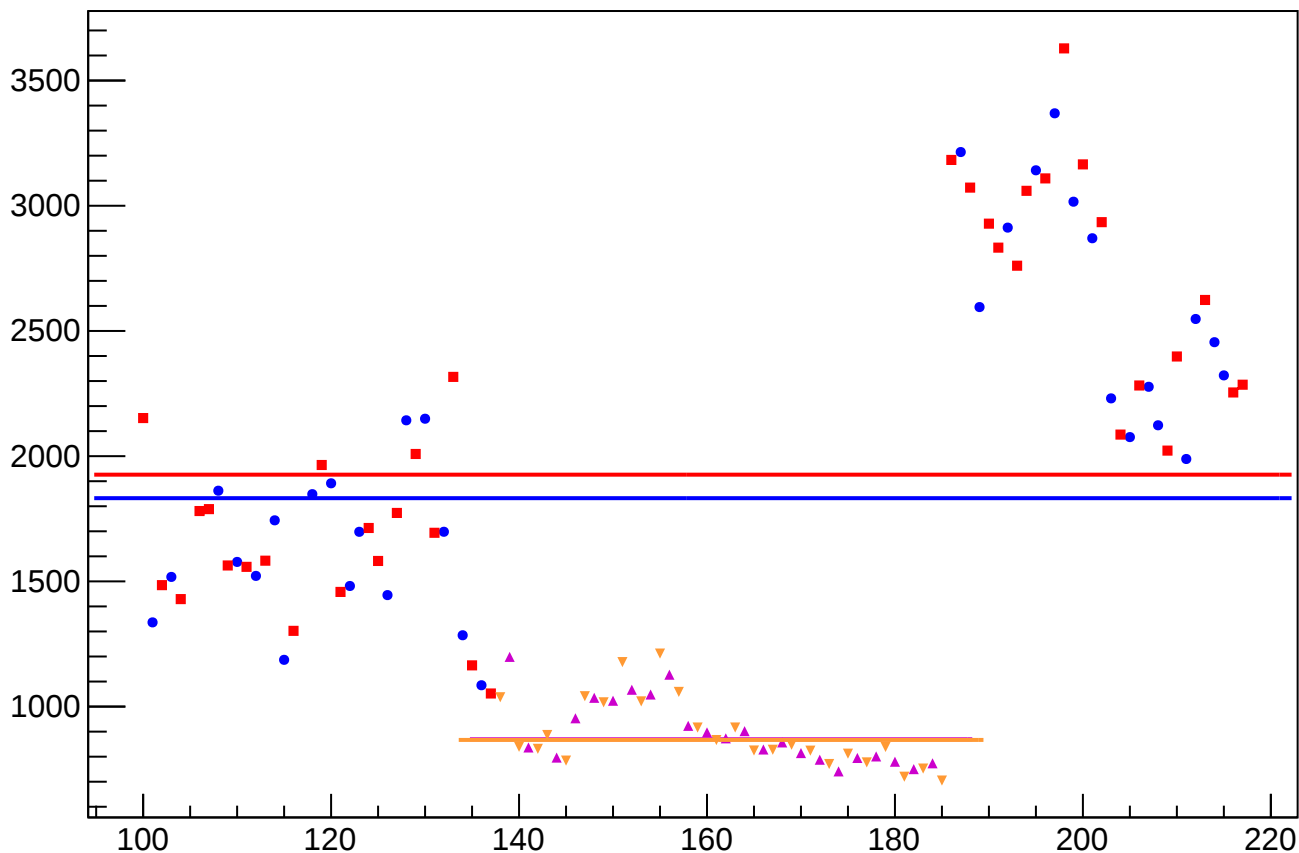
Left In: 11.687 ± 210.073 χ^2/NDF : 31.2/22

+ sign -979.543 ± 186.829 χ^2/NDF : 99.7/56

All: -627.471 ± 133.768 χ^2/NDF : 177.1/115

- sign -257.129 ± 191.615 χ^2/NDF : 70.1/58

asym_sam_24_68_dd_correction_rms vs Slug



Right In: 1832.285 $\pm$ 0.328 χ^2 /NDF: 3245700.4/31

Left Out: 866.893 $\pm$ 0.144 χ^2 /NDF: 661712.5/24

Right Out: 1926.146 $\pm$ 0.331 χ^2 /NDF: 3404627.8/35

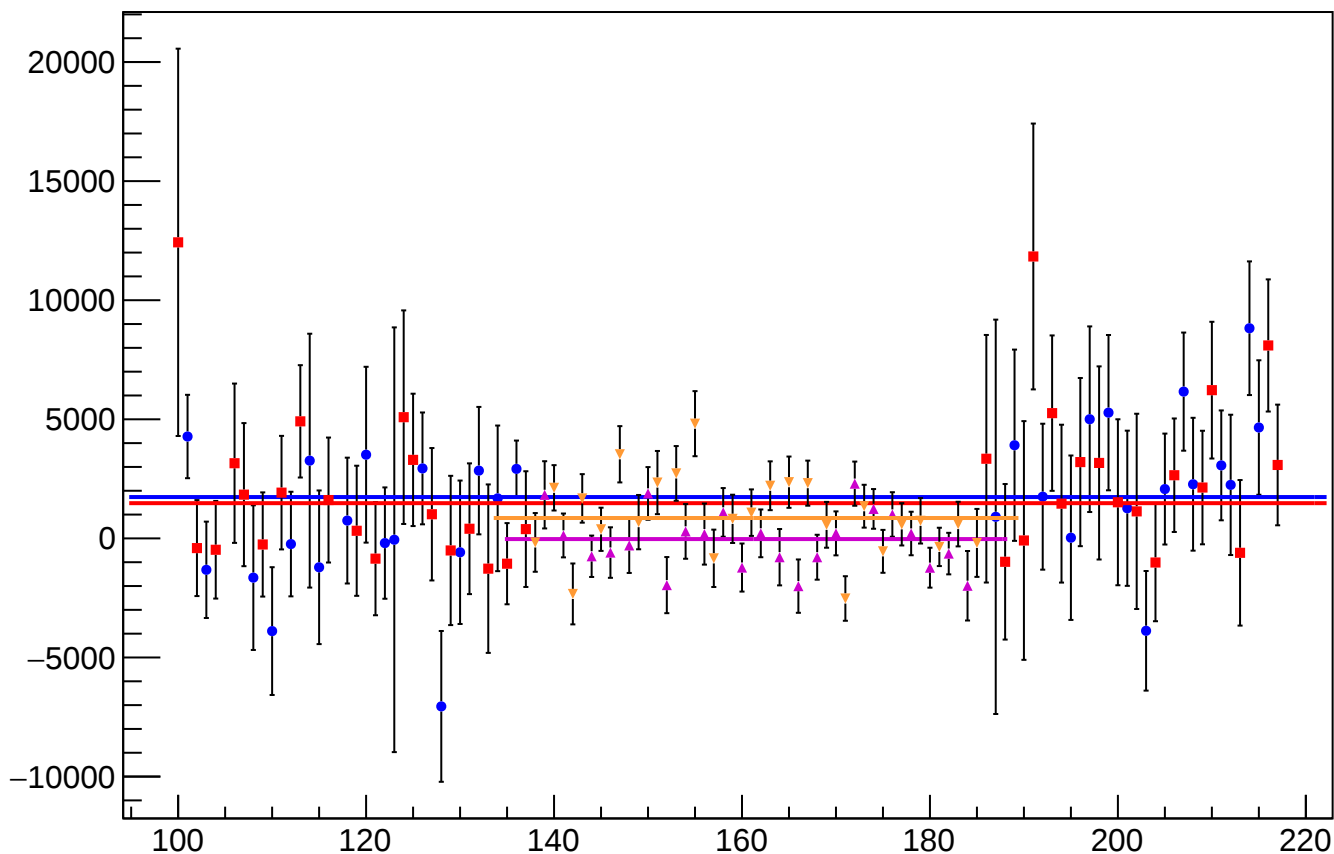
Left In: 869.569 $\pm$ 0.149 χ^2 /NDF: 582301.2/22

+ sign 1023.288 $\pm$ 0.132 χ^2 /NDF: 11156984.0/56

All: 1034.886 $\pm$ 0.095 χ^2 /NDF: 23659935.5/100

- sign 1047.085 $\pm$ 0.135 χ^2 /NDF: 12487137.6/58

asym_sam_24_68_dd_mean vs Slug



Right In: 1735.867 ± 464.936 χ^2/NDF : 41.1/31

Left Out: 855.664 ± 205.047 χ^2/NDF : 54.1/24

Right Out: 1479.015 ± 468.309 χ^2/NDF : 29.1/35

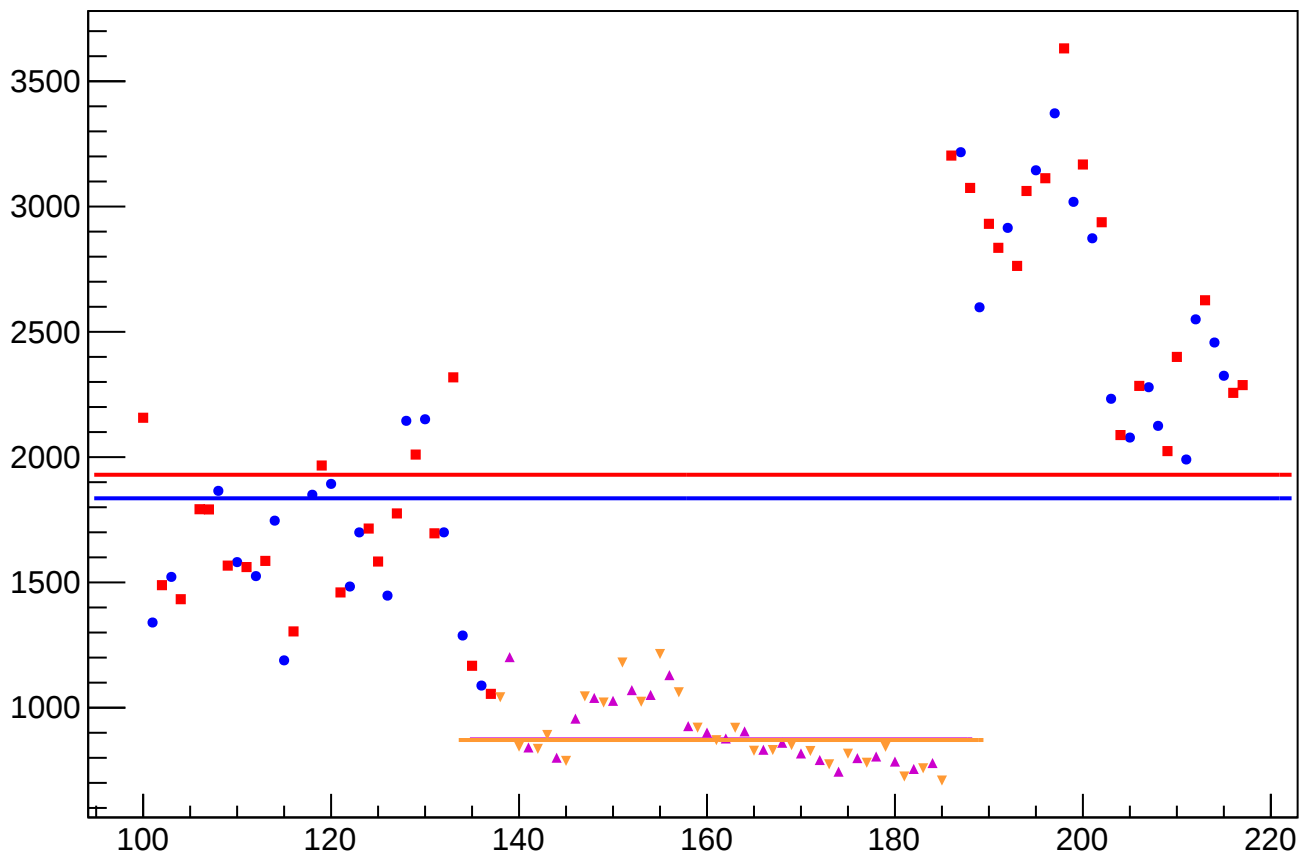
Left In: -28.553 ± 211.034 χ^2/NDF : 29.7/22

+ sign 998.987 ± 187.612 χ^2/NDF : 98.1/56

All: 622.191 ± 134.323 χ^2/NDF : 173.9/115

- sign 225.911 ± 192.401 χ^2/NDF : 67.5/58

asym_sam_24_68_dd_rms vs Slug



Right In: 1835.704+/-0.329 χ^2/NDF : 3231980.9/31

Left Out: 871.109+/-0.145 χ^2/NDF : 651751.1/24

+ sign 1028.174+/-0.133 χ^2/NDF : 11090618.3/56

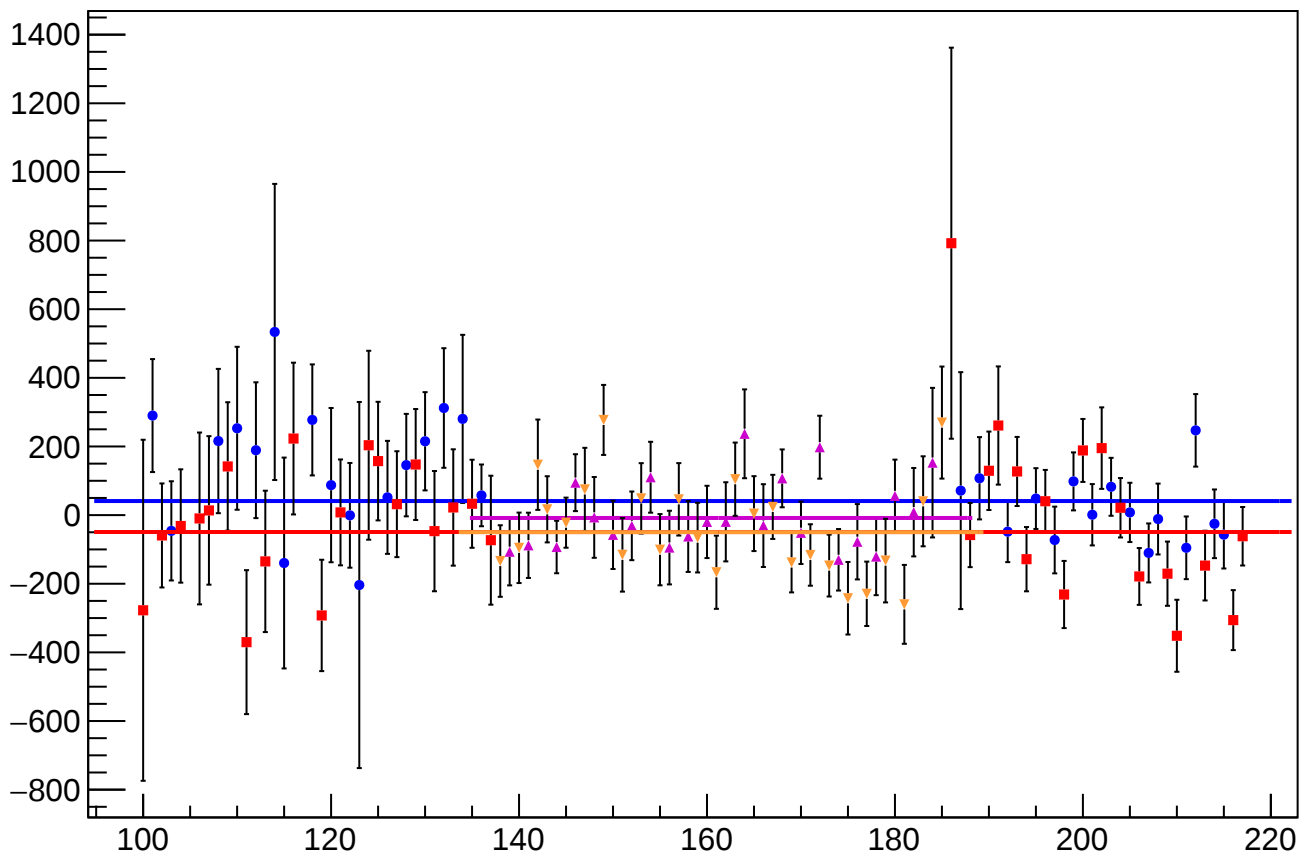
Right Out: 1929.646+/-0.331 χ^2/NDF : 3394537.7/35

All: 1039.744+/-0.095 χ^2/NDF : 23526964.0/1

Left In: 873.675+/-0.149 χ^2/NDF : 573822.5/22

- sign 1051.913+/-0.136 χ^2/NDF : 12420737.9/58

reg_asym_sam_26_48_dd_mean vs Slug



Right In: 40.980 ± 21.347 χ^2/NDF : 28.8/31

Left Out: -49.717 ± 20.580 χ^2/NDF : 39.4/24

Right Out: -49.245 ± 20.919 χ^2/NDF : 62.2/35

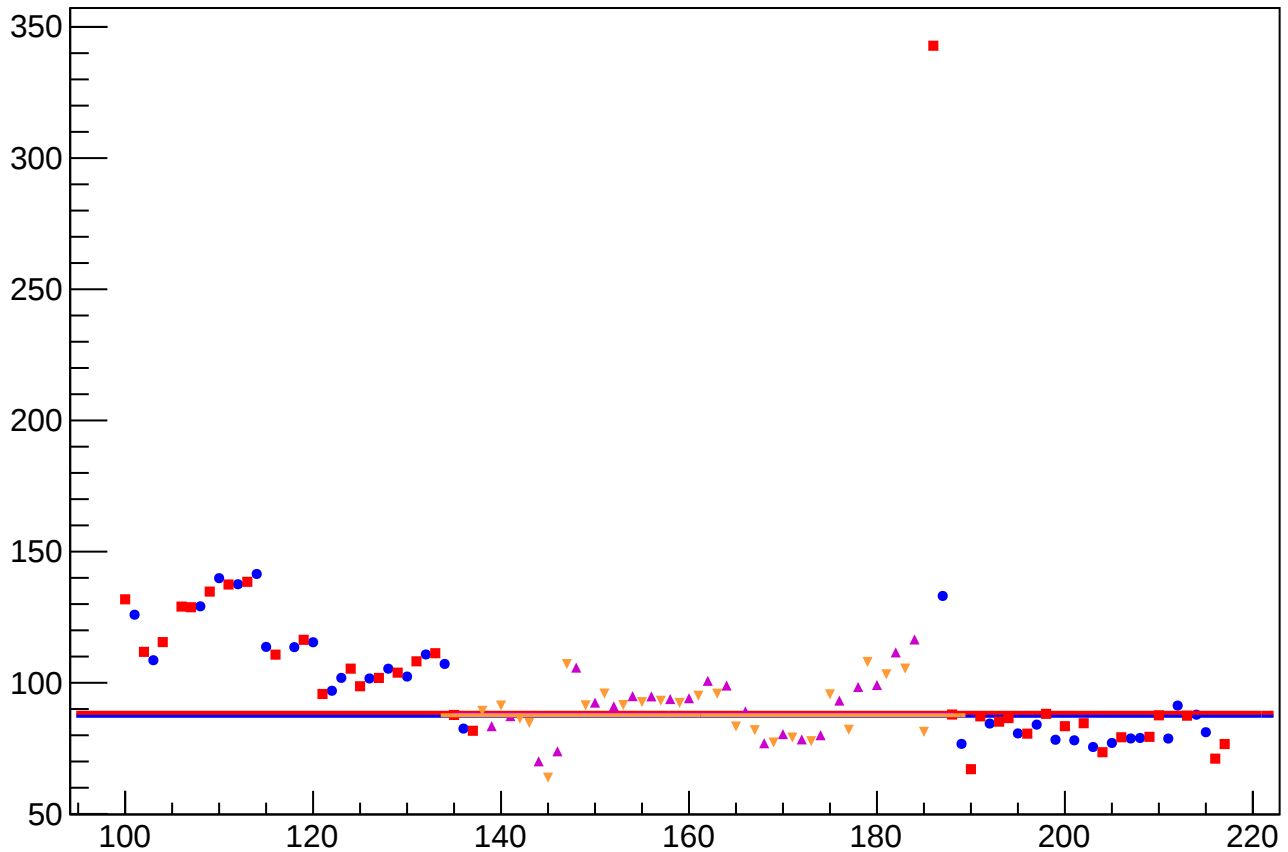
Left In: -8.343 ± 21.271 χ^2/NDF : 22.0/22

+ sign -6.026 ± 14.816 χ^2/NDF : 77.5/56

All: -17.504 ± 10.511 χ^2/NDF : 164.8/115

- sign -29.135 ± 14.915 χ^2/NDF : 86.0/58

reg_asym_sam_26_48_dd_rms vs Slug



Right In: 87.431 $\pm$ 0.015 χ^2 /NDF: 960323.0/31

Left Out: 87.625 $\pm$ 0.015 χ^2 /NDF: 554690.7/24

Right Out: 88.574 $\pm$ 0.015 χ^2 /NDF: 1499527.0/35

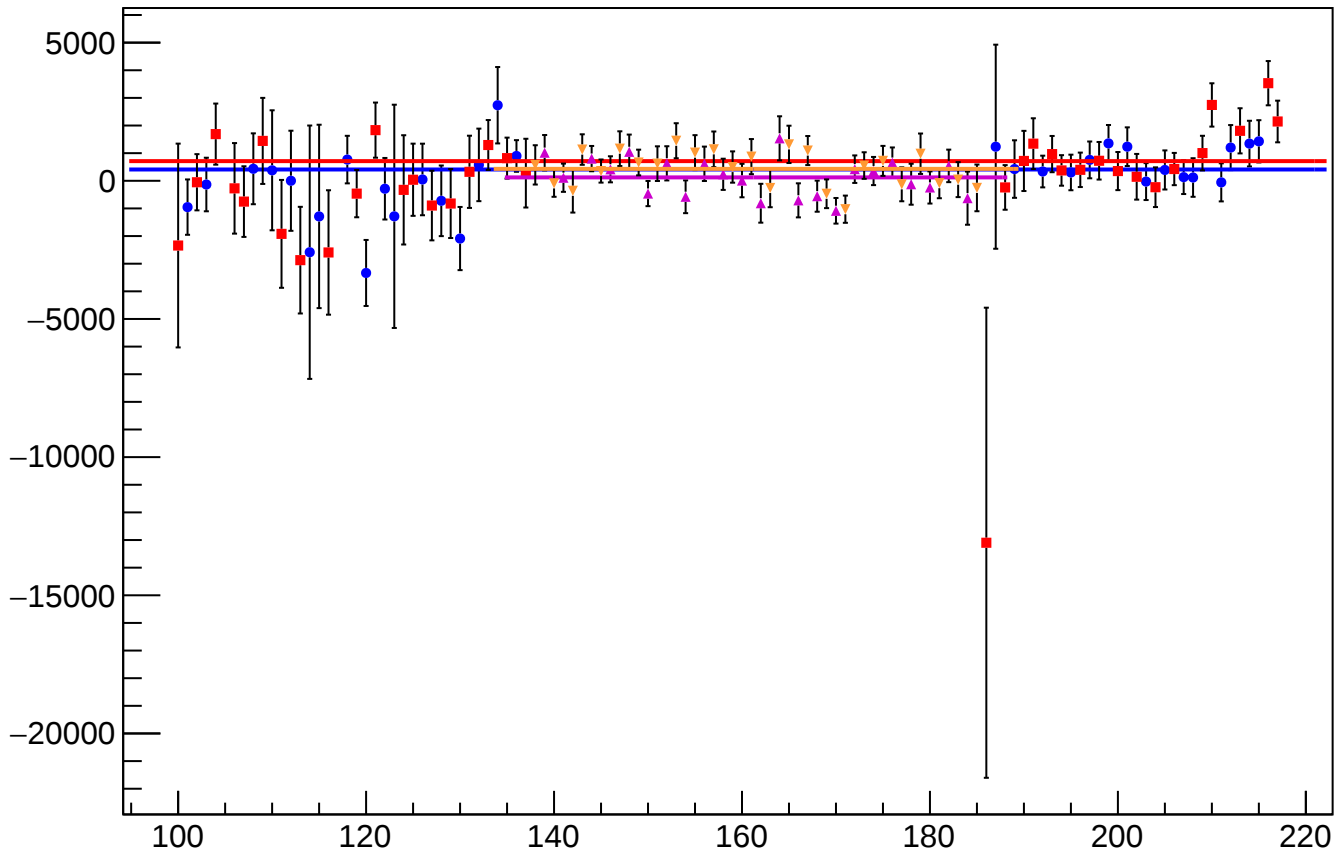
Left In: 88.032 $\pm$ 0.015 χ^2 /NDF: 523710.9/22

+ sign 87.532 $\pm$ 0.010 χ^2 /NDF: 1515099.7/56

All: 87.917 $\pm$ 0.007 χ^2 /NDF: 3541719.8/115

- sign 88.307 $\pm$ 0.011 χ^2 /NDF: 2023897.2/58

asym_sam_26_48_dd_correction_mean vs Slug



Right In: 409.190 $\pm$ 155.917 χ^2 /NDF: 31.7/31

Left Out: 431.658 $\pm$ 115.706 χ^2 /NDF: 30.5/24

Right Out: 711.903 $\pm$ 150.602 χ^2 /NDF: 51.6/35

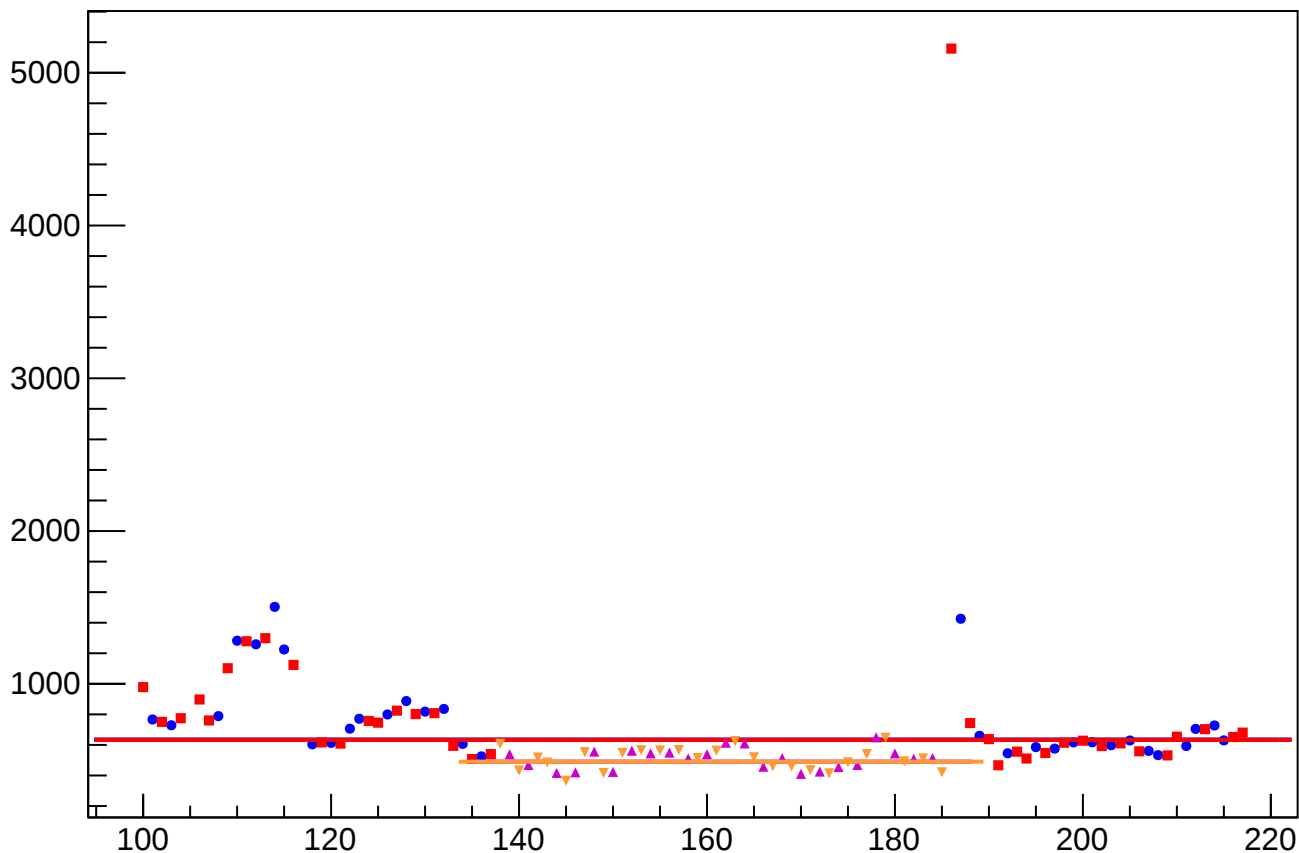
Left In: 123.017 $\pm$ 118.849 χ^2 /NDF: 29.3/22

+ sign 423.679 $\pm$ 92.916 χ^2 /NDF: 62.2/56

All: 386.500 $\pm$ 65.836 χ^2 /NDF: 152.8/115

- sign 349.015 $\pm$ 93.297 χ^2 /NDF: 90.3/58

asym_sam_26_48_dd_correction_rms vs Slug



Right In: 635.801 $\pm$ 0.110 χ^2 /NDF: 1225464.2/31

Left Out: 490.267 $\pm$ 0.082 χ^2 /NDF: 750277.0/24

Right Out: 632.445 $\pm$ 0.106 χ^2 /NDF: 2048603.3/35

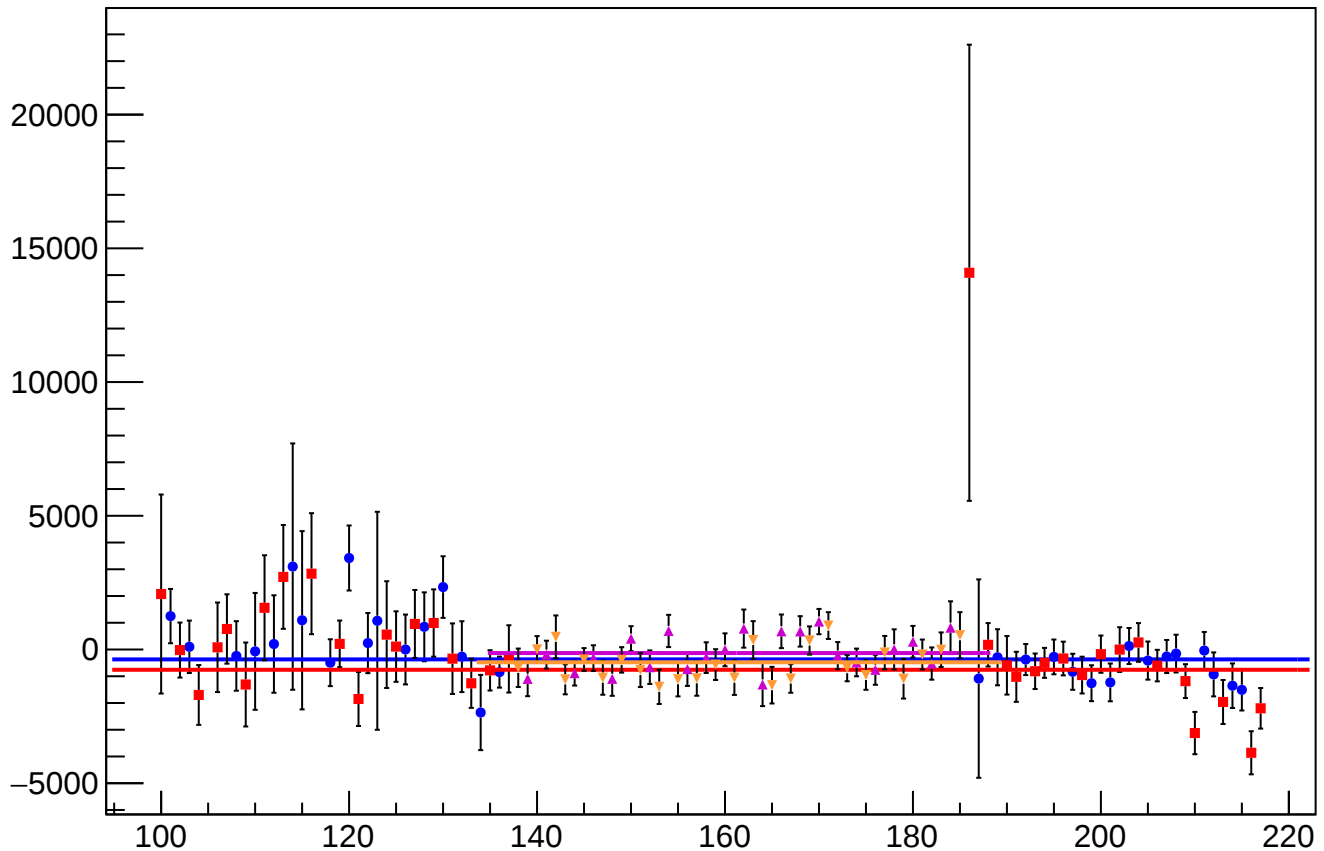
Left In: 490.910 $\pm$ 0.084 χ^2 /NDF: 589235.5/22

+ sign 541.951 $\pm$ 0.066 χ^2 /NDF: 3099418.6/56

All: 543.582 $\pm$ 0.047 χ^2 /NDF: 6827023.5/115

- sign 545.227 $\pm$ 0.066 χ^2 /NDF: 3726367.0/58

asym_sam_26_48_dd_mean vs Slug



Right In: -369.427 ± 157.528 χ^2/NDF : 31.7/31

Left Out: -478.197 ± 117.659 χ^2/NDF : 27.8/24

Right Out: -758.043 ± 152.267 χ^2/NDF : 57.0/35

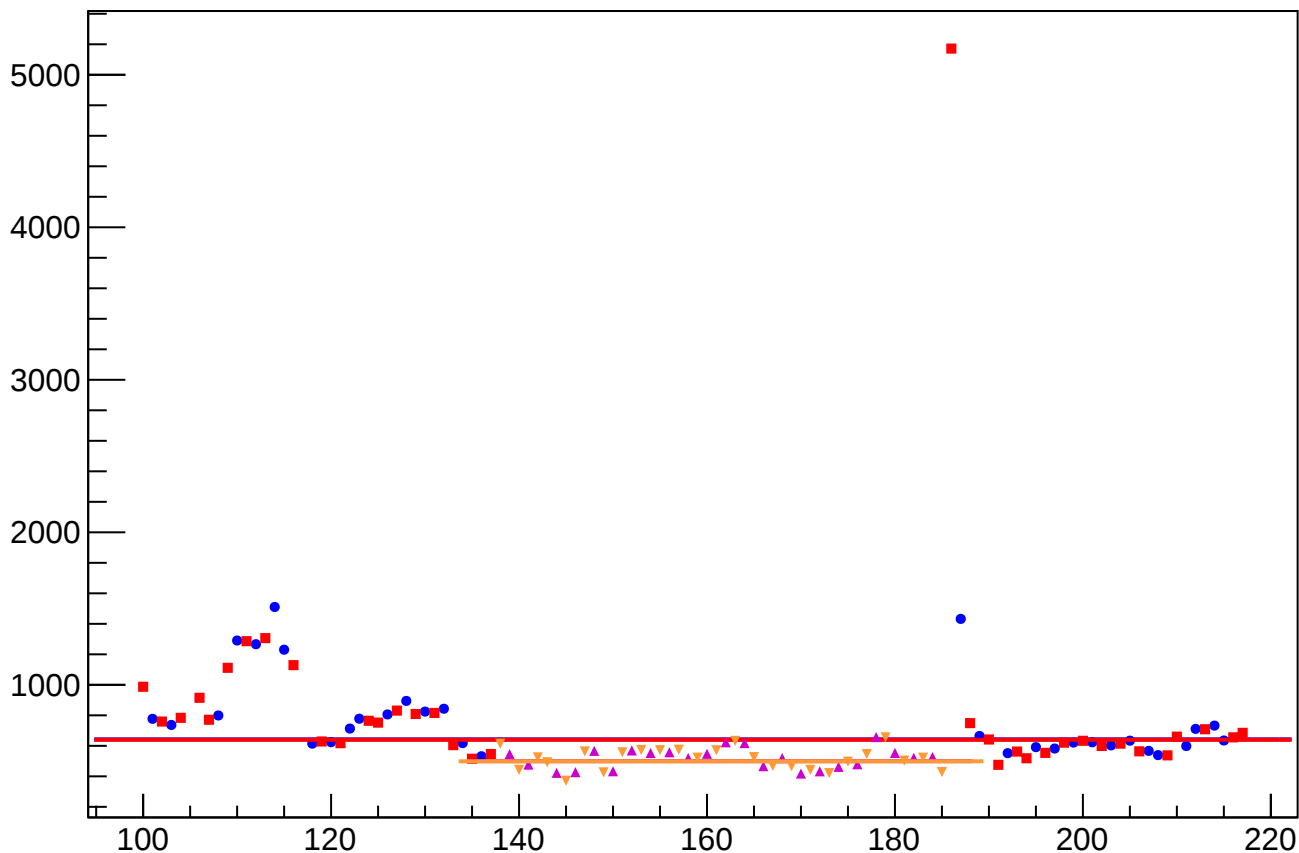
Left In: -132.543 ± 120.866 χ^2/NDF : 29.5/22

+ sign -439.247 ± 94.267 χ^2/NDF : 59.8/56

All: -406.921 ± 66.798 χ^2/NDF : 156.9/115

- sign -374.320 ± 94.667 χ^2/NDF : 96.9/58

asym_sam_26_48_dd_rms vs Slug



Right In: 642.536 $\pm$ 0.111 χ^2 /NDF: 1213380.6/31

Left Out: 498.754 $\pm$ 0.083 χ^2 /NDF: 734302.8/24

Right Out: 639.675 $\pm$ 0.108 χ^2 /NDF: 2025974.5/35

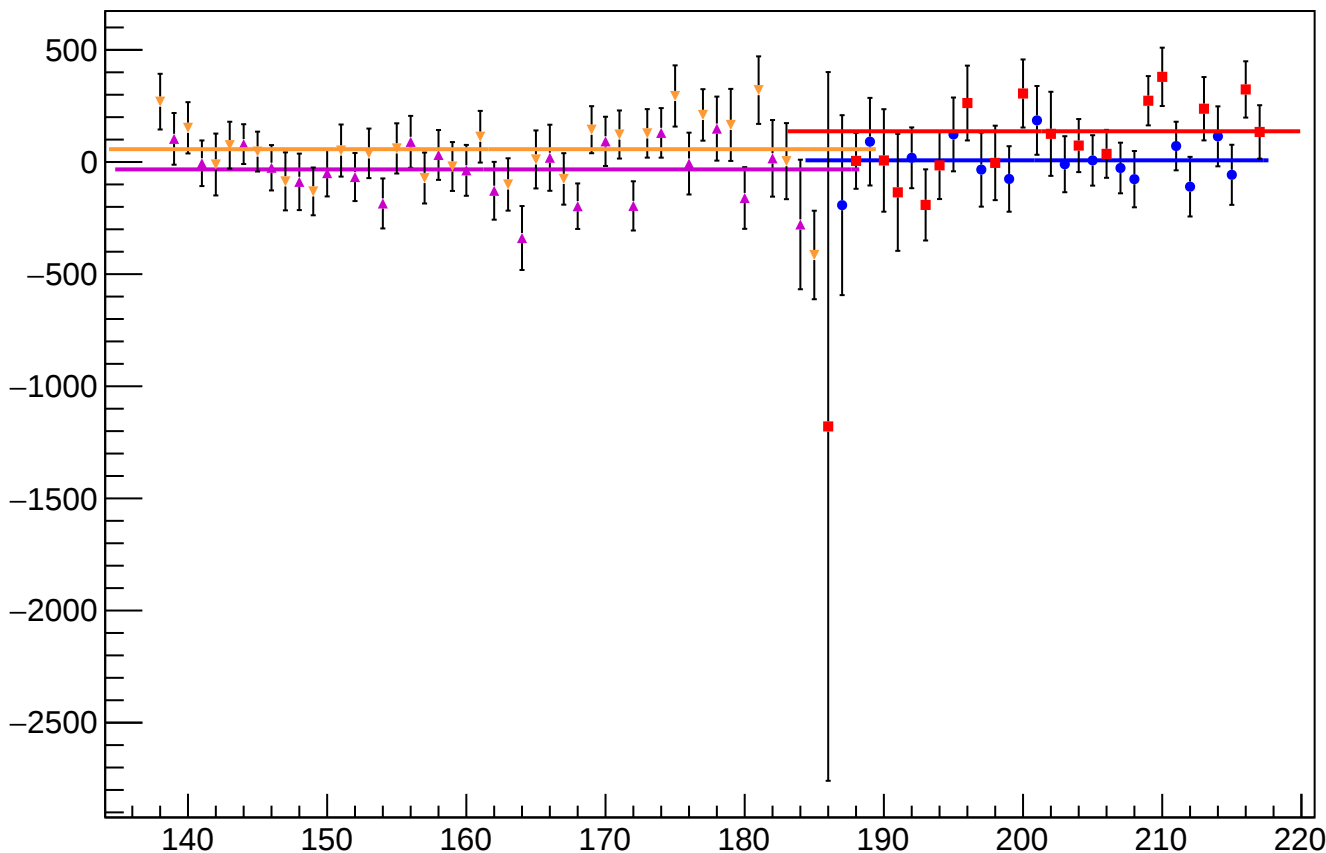
Left In: 499.393 $\pm$ 0.085 χ^2 /NDF: 576539.2/22

+ sign 550.242 $\pm$ 0.067 χ^2 /NDF: 3017204.4/56

All: 551.922 $\pm$ 0.047 χ^2 /NDF: 6662385.6/115

- sign 553.617 $\pm$ 0.067 χ^2 /NDF: 3643905.2/58

reg_asym_sam_1548_avg_mean vs Slug



Right In: 7.525 ± 35.615 χ^2/NDF : 5.2/14

Left Out: 57.211 ± 23.714 χ^2/NDF : 29.2/24

Right Out: 137.068 ± 35.097 χ^2/NDF : 20.0/16

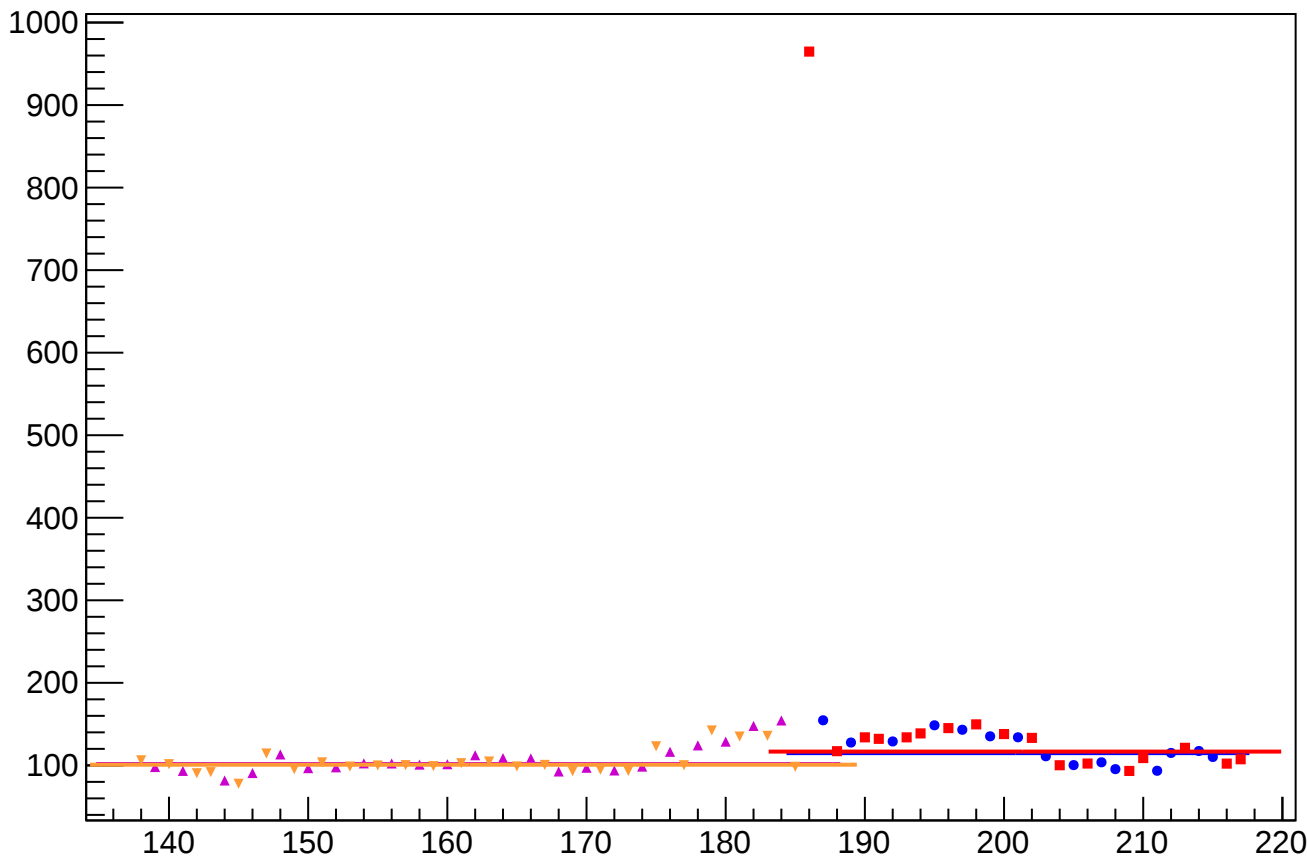
Left In: -32.948 ± 24.587 χ^2/NDF : 23.6/22

+ sign 41.949 ± 19.739 χ^2/NDF : 35.8/39

All: 32.675 ± 14.096 χ^2/NDF : 95.5/79

- sign 23.023 ± 20.137 χ^2/NDF : 59.3/39

reg_asym_sam_1548_avg_rms vs Slug



Right In: 114.828 $\pm$ 0.025 χ^2 /NDF: 446386.6/14

Left Out: 100.801 $\pm$ 0.017 χ^2 /NDF: 600502.4/24

Right Out: 116.690 $\pm$ 0.025 χ^2 /NDF: 1068731.7/16

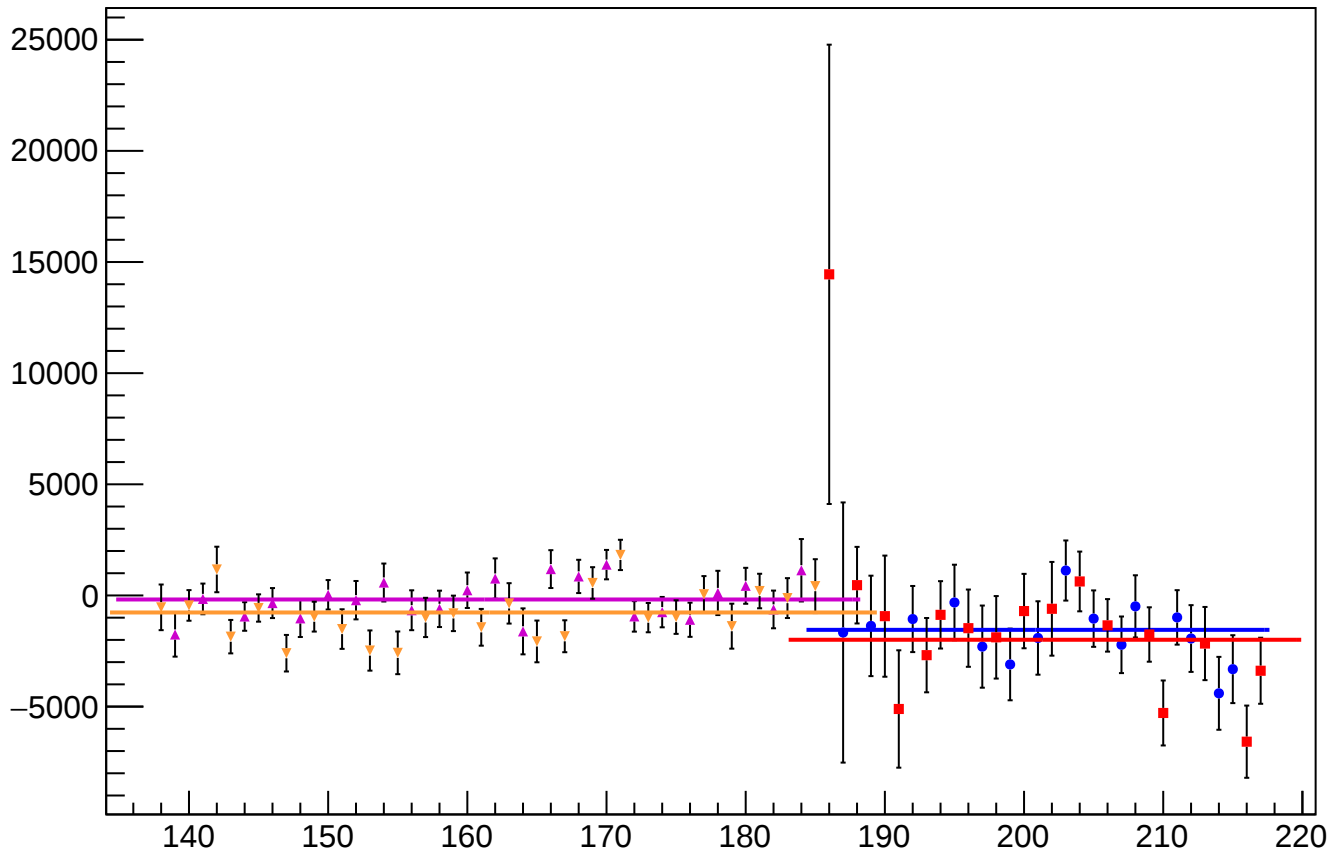
Left In: 101.622 $\pm$ 0.017 χ^2 /NDF: 582329.3/22

+ sign 105.109 $\pm$ 0.014 χ^2 /NDF: 1261835.8/39

All: 105.831 $\pm$ 0.010 χ^2 /NDF: 3165664.0/79

- sign 106.582 $\pm$ 0.014 χ^2 /NDF: 1898367.4/39

asym_sam_1548_avg_correction_mean vs Slug



Right In: -1547.219 ± 399.244 χ^2/NDF : 11.3/14

Left Out: -766.358 ± 161.066 χ^2/NDF : 46.5/24

Right Out: -1993.826 ± 400.685 χ^2/NDF : 26.0/16

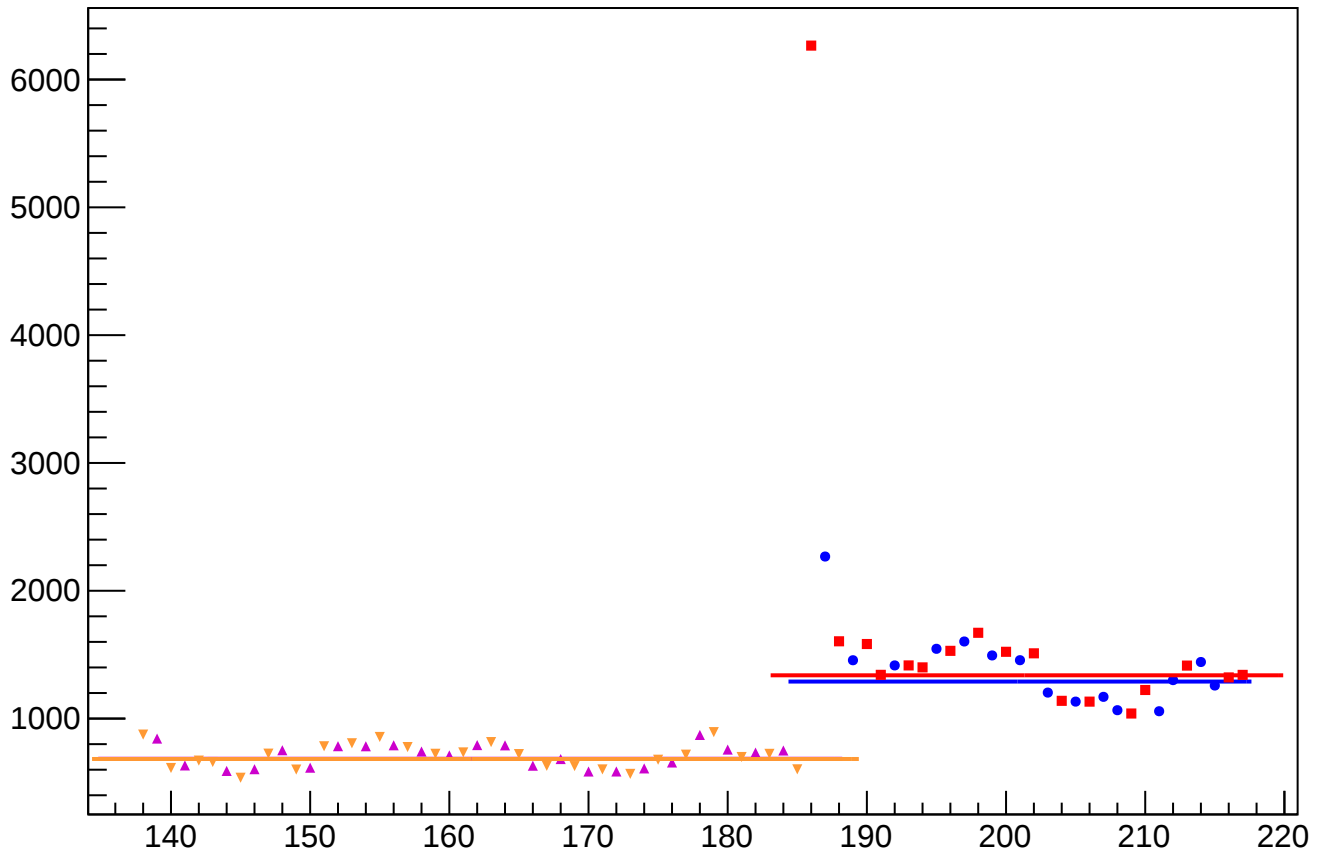
Left In: -181.584 ± 165.671 χ^2/NDF : 25.0/22

+ sign -875.657 ± 149.369 χ^2/NDF : 61.2/39

All: -666.209 ± 106.915 χ^2/NDF : 133.7/79

- sign -446.166 ± 153.100 χ^2/NDF : 68.5/39

asym_sam_1548_avg_correction_rms vs Slug



Right In: 1289.667+/-0.282 χ^2 /NDF: 434726.2/14

Left Out: 683.884+/-0.114 χ^2 /NDF: 667158.2/24

Right Out: 1338.591+/-0.283 χ^2 /NDF: 893430.3/16

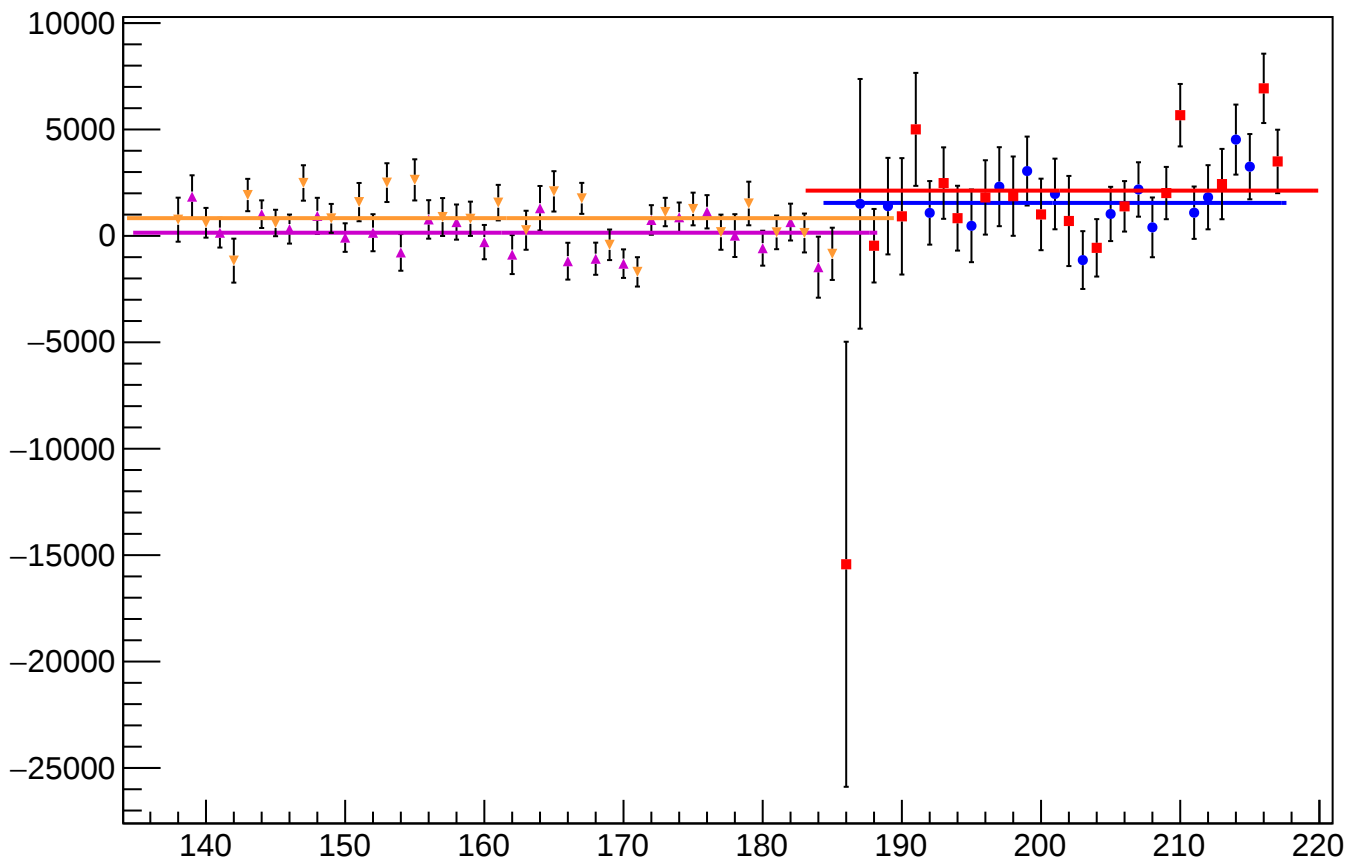
Left In: 685.593+/-0.117 χ^2 /NDF: 529353.6/22

+ sign 768.678+/-0.106 χ^2 /NDF: 5061926.1/39

All: 774.652+/-0.076 χ^2 /NDF: 11027620.0/79

- sign 780.929+/-0.108 χ^2 /NDF: 5959132.9/39

asym_sam_1548_avg_mean vs Slug



Right In: 1549.691 ± 400.887 χ^2/NDF : 11.2/14

Left Out: 833.395 ± 162.965 χ^2/NDF : 43.2/24

Right Out: 2127.081 ± 402.318 χ^2/NDF : 27.9/16

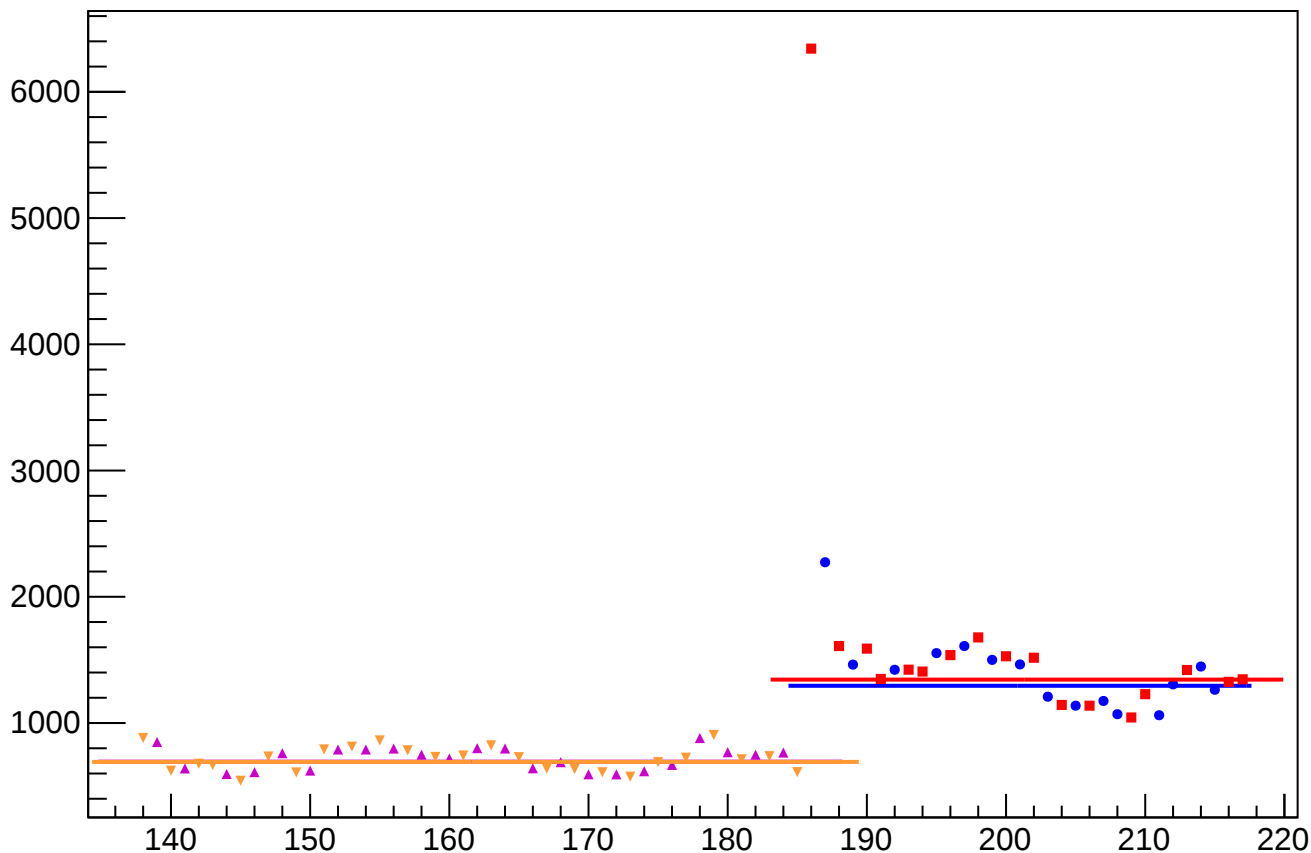
Left In: 148.814 ± 167.644 χ^2/NDF : 26.0/22

+ sign 934.977 ± 150.968 χ^2/NDF : 57.2/39

All: 694.333 ± 108.062 χ^2/NDF : 137.0/79

- sign 441.491 ± 154.747 χ^2/NDF : 74.6/39

asym_sam_1548_avg_rms vs Slug



Right In: 1294.974+/-0.283 χ^2/NDF : 435197.8/14

Left Out: 692.097+/-0.115 χ^2/NDF : 657259.6/24

Right Out: 1344.009+/-0.284 χ^2/NDF : 895892.0/16

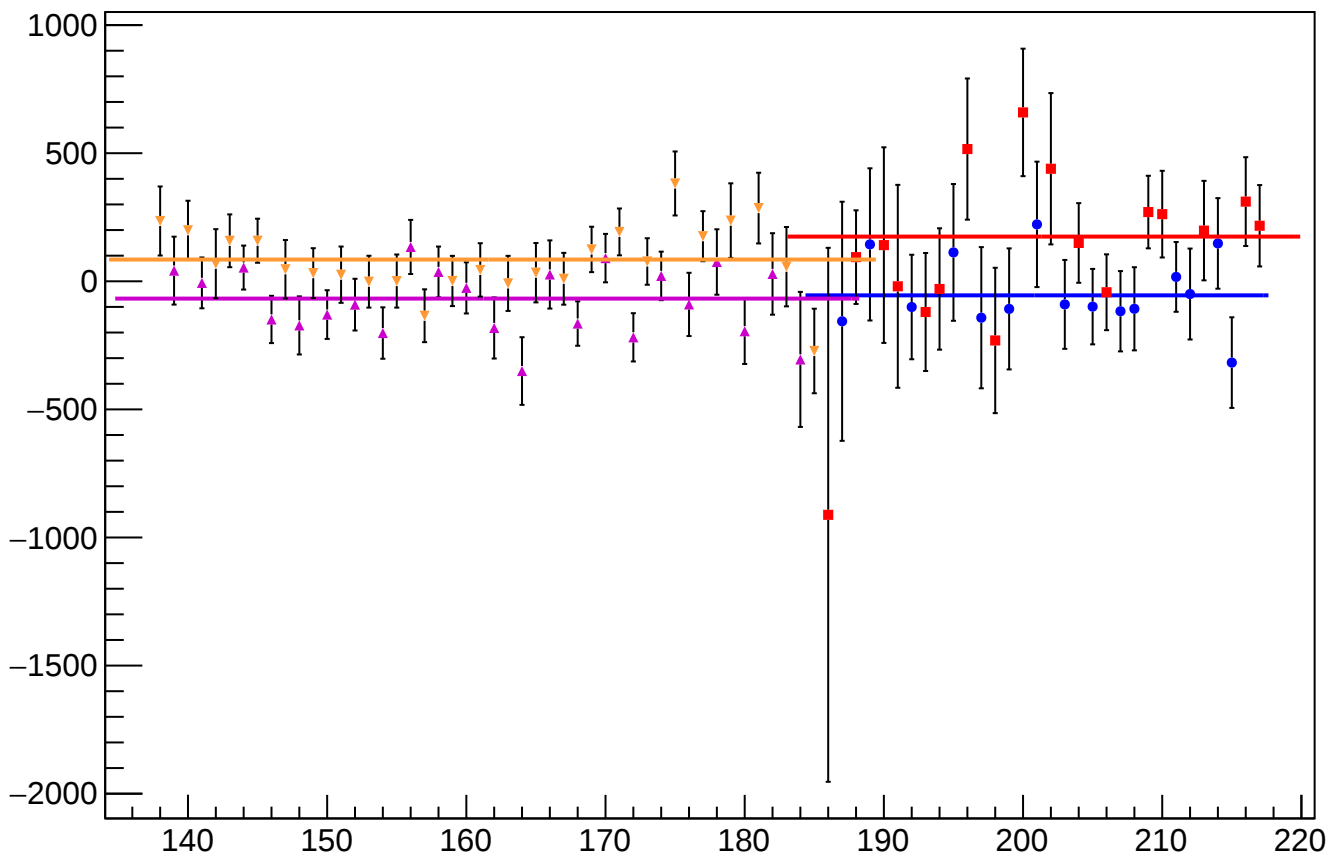
Left In: 693.867+/-0.119 χ^2/NDF : 522053.5/22

+ sign 777.594+/-0.107 χ^2/NDF : 4974173.9/39

All: 783.670+/-0.076 χ^2/NDF : 10848905.0/79

- sign 790.053+/-0.109 χ^2/NDF : 5868088.7/39

reg_asym_sam_3748_avg_mean vs Slug



Right In: -54.873 ± 49.418 χ^2/NDF : 6.6/14

Left Out: 84.860 ± 21.643 χ^2/NDF : 28.5/24

Right Out: 174.479 ± 49.675 χ^2/NDF : 15.7/16

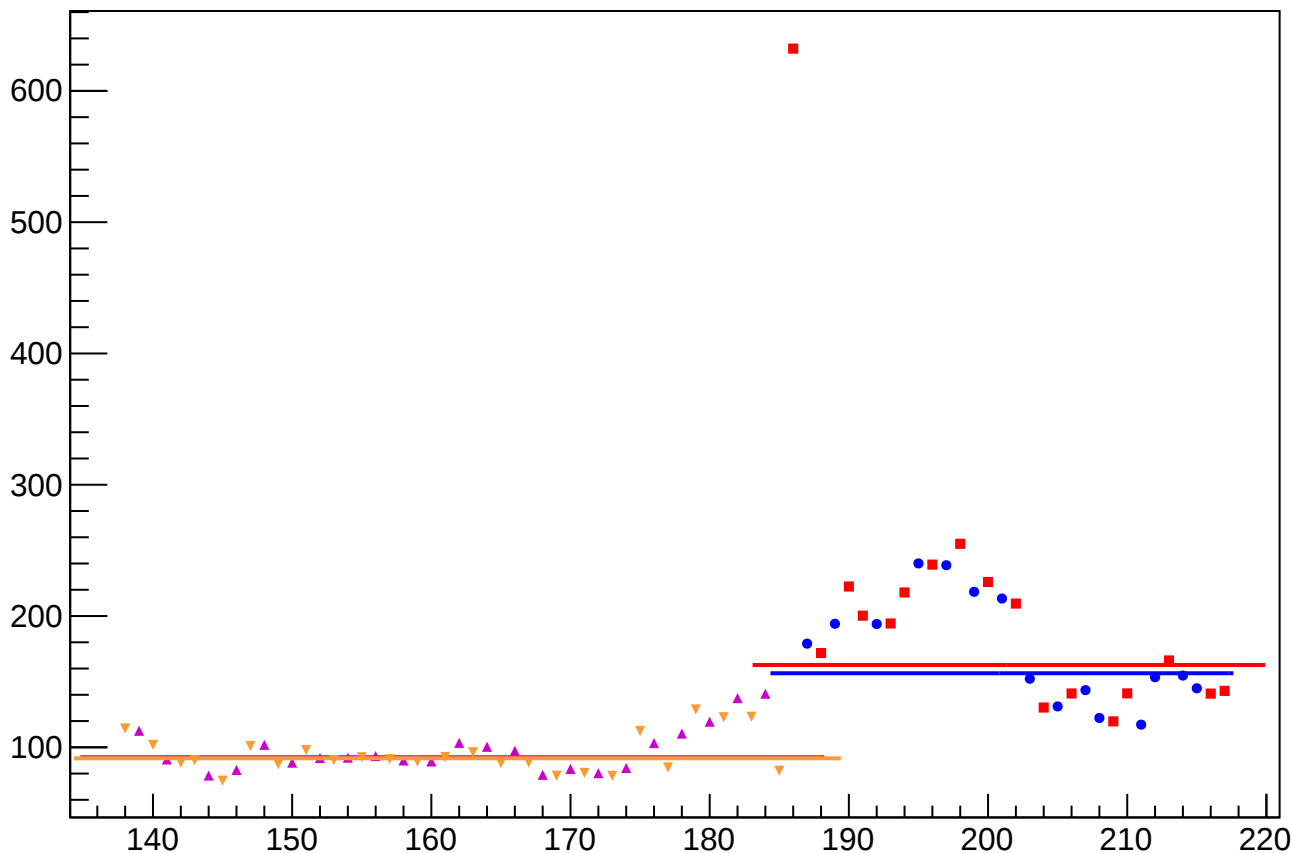
Left In: -67.552 ± 22.449 χ^2/NDF : 28.9/22

+ sign 62.372 ± 19.825 χ^2/NDF : 41.8/39

All: 19.328 ± 14.237 χ^2/NDF : 115.8/79

- sign -26.505 ± 20.457 χ^2/NDF : 64.3/39

reg_asym_sam_3748_avg_rms vs Slug



Right In: 156.412 $\pm$ 0.035 χ^2 /NDF: 1061510.7/14

Left Out: 91.633 $\pm$ 0.015 χ^2 /NDF: 693122.0/24

Right Out: 162.713 $\pm$ 0.035 χ^2 /NDF: 1578925.1/16

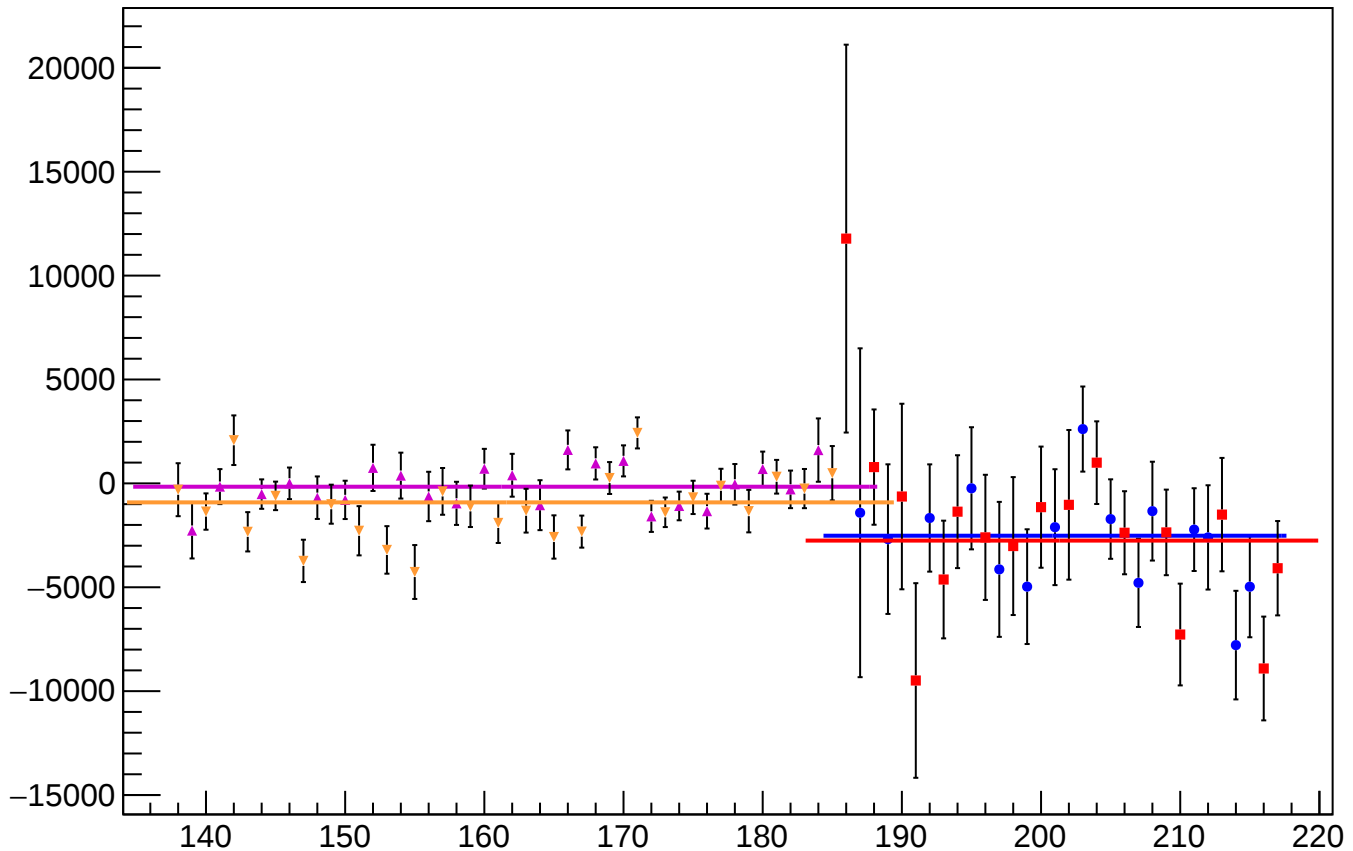
Left In: 92.466 $\pm$ 0.016 χ^2 /NDF: 655700.4/22

+ sign 102.058 $\pm$ 0.014 χ^2 /NDF: 4638178.4/39

All: 103.182 $\pm$ 0.010 χ^2 /NDF: 10207278.6/79

- sign 104.379 $\pm$ 0.014 χ^2 /NDF: 5555818.3/39

asym_sam_3748_avg_correction_mean vs Slug



Right In: -2519.128 ± 652.373 χ^2/NDF : 14.7/14

Left Out: -914.719 ± 185.341 χ^2/NDF : 64.2/24

Right Out: -2753.645 ± 661.222 χ^2/NDF : 21.2/16

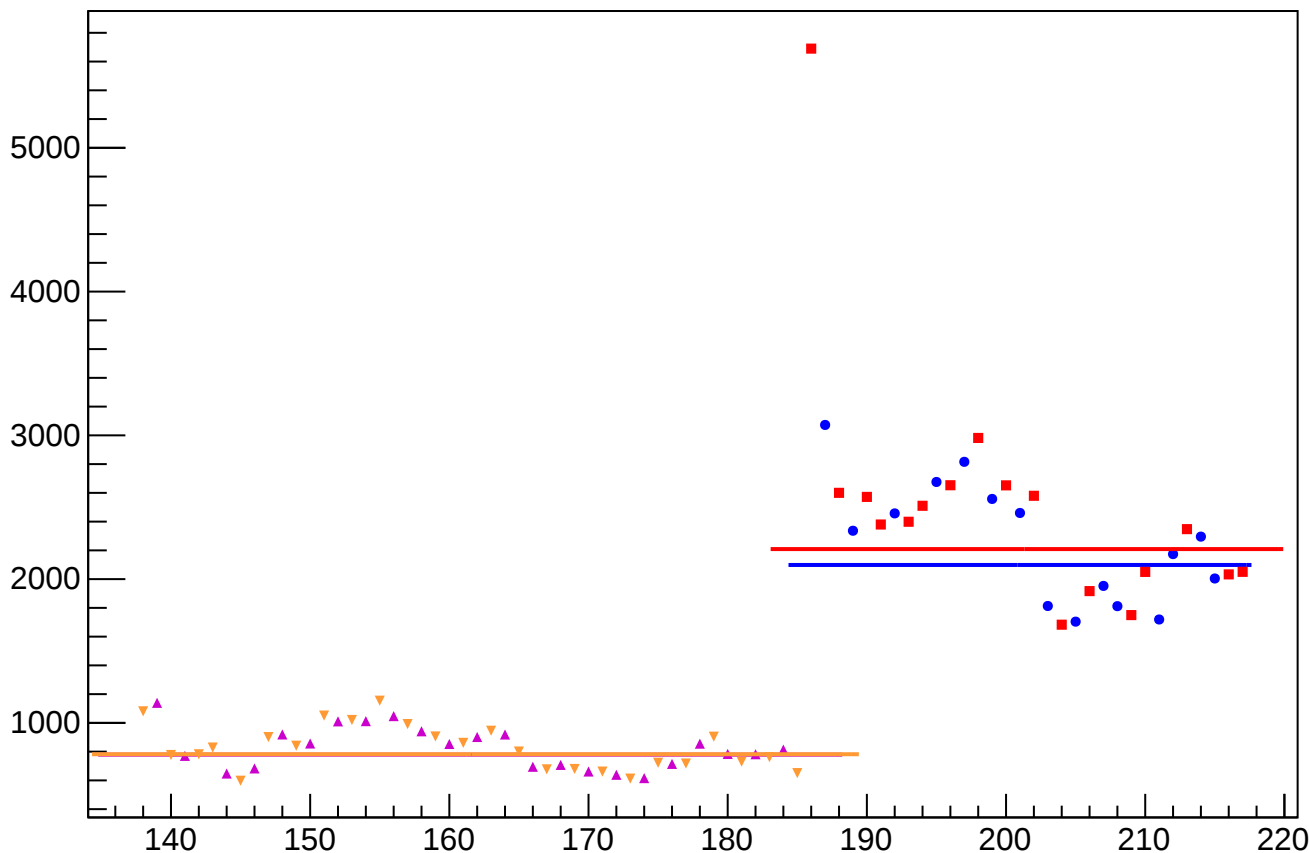
Left In: -161.076 ± 189.491 χ^2/NDF : 25.1/22

+ sign -1034.546 ± 178.285 χ^2/NDF : 84.5/39

All: -703.461 ± 127.414 χ^2/NDF : 152.1/79

- sign -357.835 ± 182.158 χ^2/NDF : 60.5/39

asym_sam_3748_avg_correction_rms vs Slug



Right In: 2098.487 $\pm$ 0.461 χ^2 /NDF: 592297.2/14

Left Out: 782.042 $\pm$ 0.131 χ^2 /NDF: 1130984.3/24

Right Out: 2209.006 $\pm$ 0.468 χ^2 /NDF: 901971.6/16

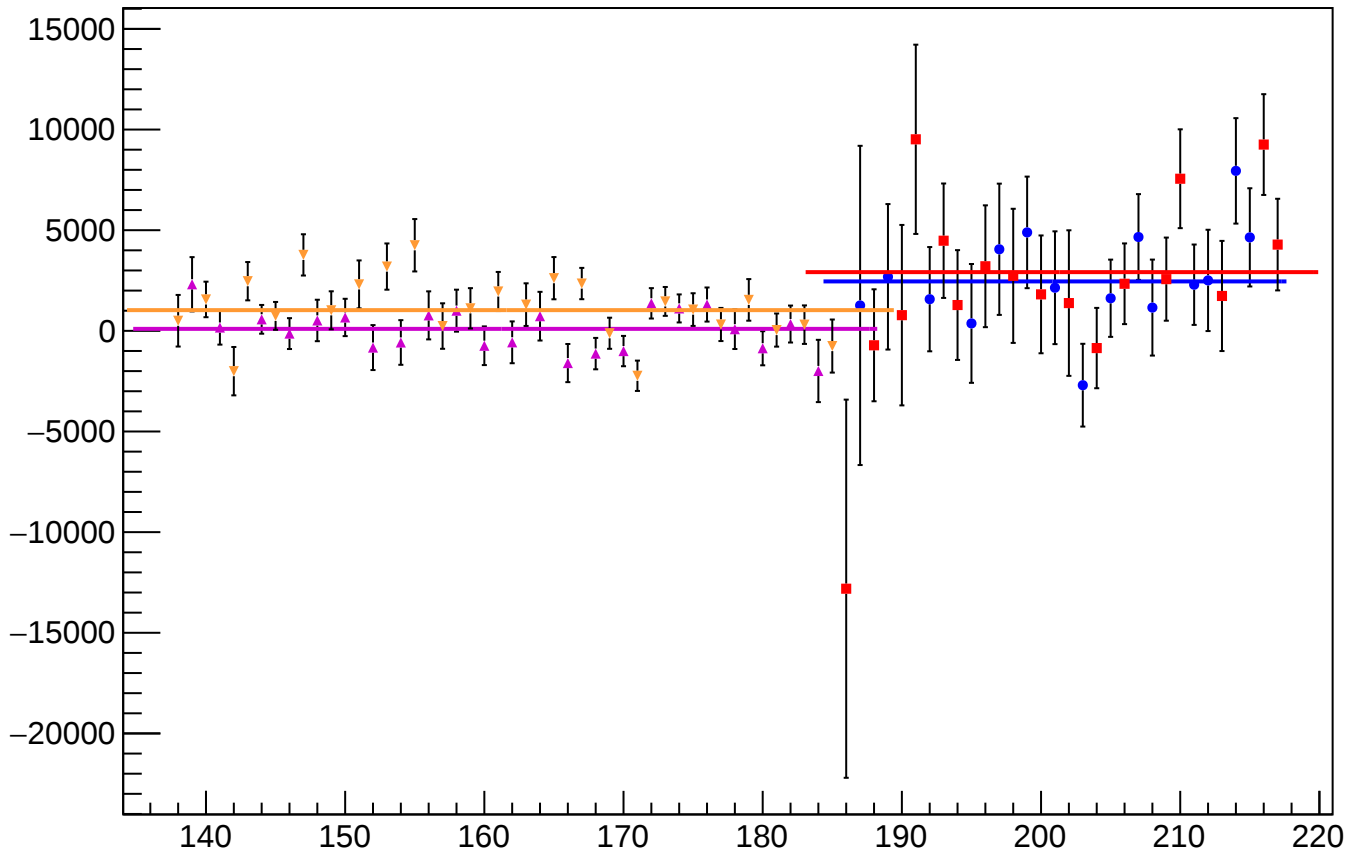
Left In: 778.995 $\pm$ 0.134 χ^2 /NDF: 980243.4/22

+ sign 880.362 $\pm$ 0.126 χ^2 /NDF: 9259137.8/39

All: 883.865 $\pm$ 0.090 χ^2 /NDF: 19787358.4/79

- sign 887.523 $\pm$ 0.129 χ^2 /NDF: 10526642.0/39

asym_sam_3748_avg_mean vs Slug



Right In: 2455.715 ± 654.416 χ^2/NDF : 14.7/14

Left Out: 1028.864 ± 186.810 χ^2/NDF : 60.2/24

Right Out: 2917.166 ± 663.275 χ^2/NDF : 21.9/16

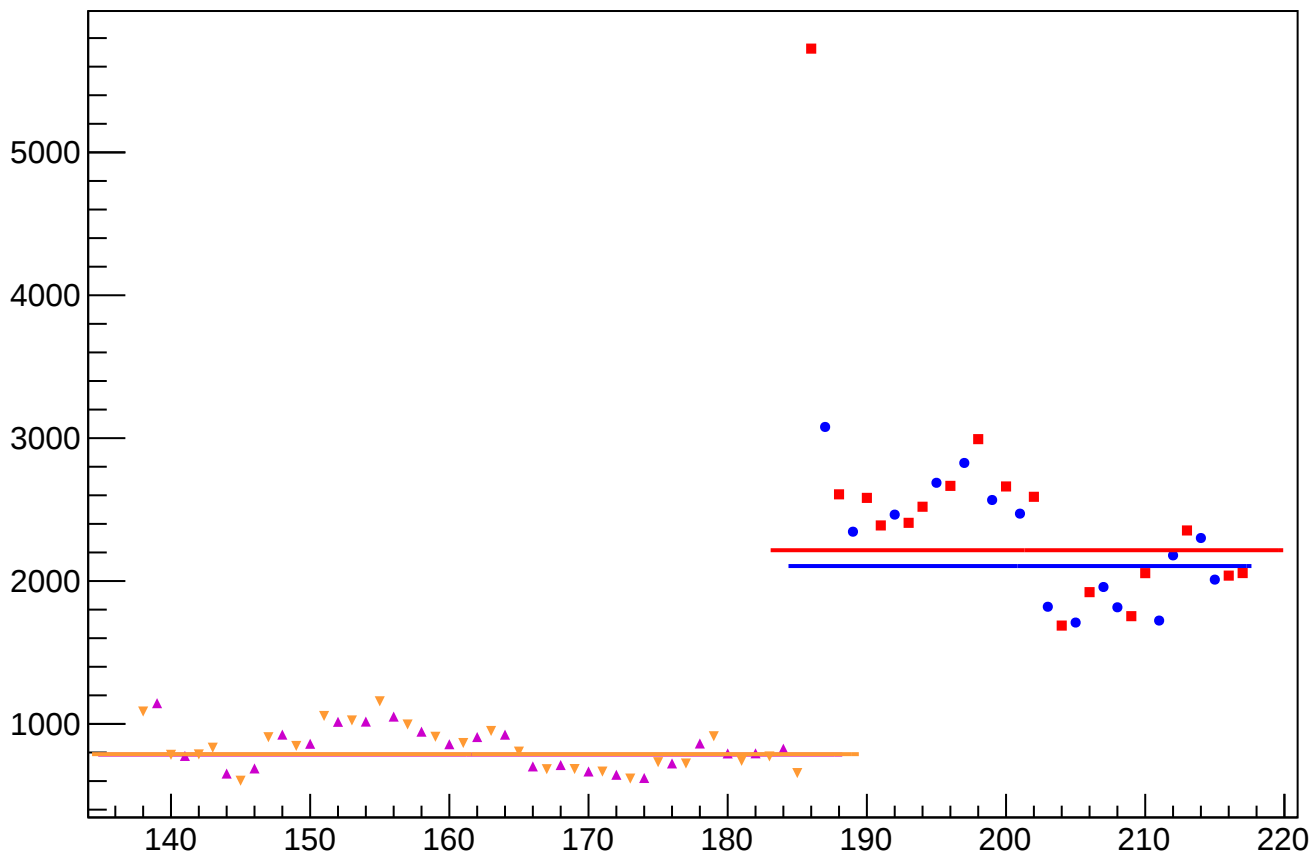
Left In: 98.691 ± 191.027 χ^2/NDF : 25.4/22

+ sign 1136.374 ± 179.635 χ^2/NDF : 79.3/39

All: 734.365 ± 128.388 χ^2/NDF : 153.5/79

- sign 314.569 ± 183.565 χ^2/NDF : 64.0/39

asym_sam_3748_avg_rms vs Slug



Right In: 2104.935 $\pm$ 0.463 χ^2 /NDF: 594712.3/14

Left Out: 788.442 $\pm$ 0.132 χ^2 /NDF:1113741.6/24

Right Out: 2215.668 $\pm$ 0.469 χ^2 /NDF: 906119.7/16

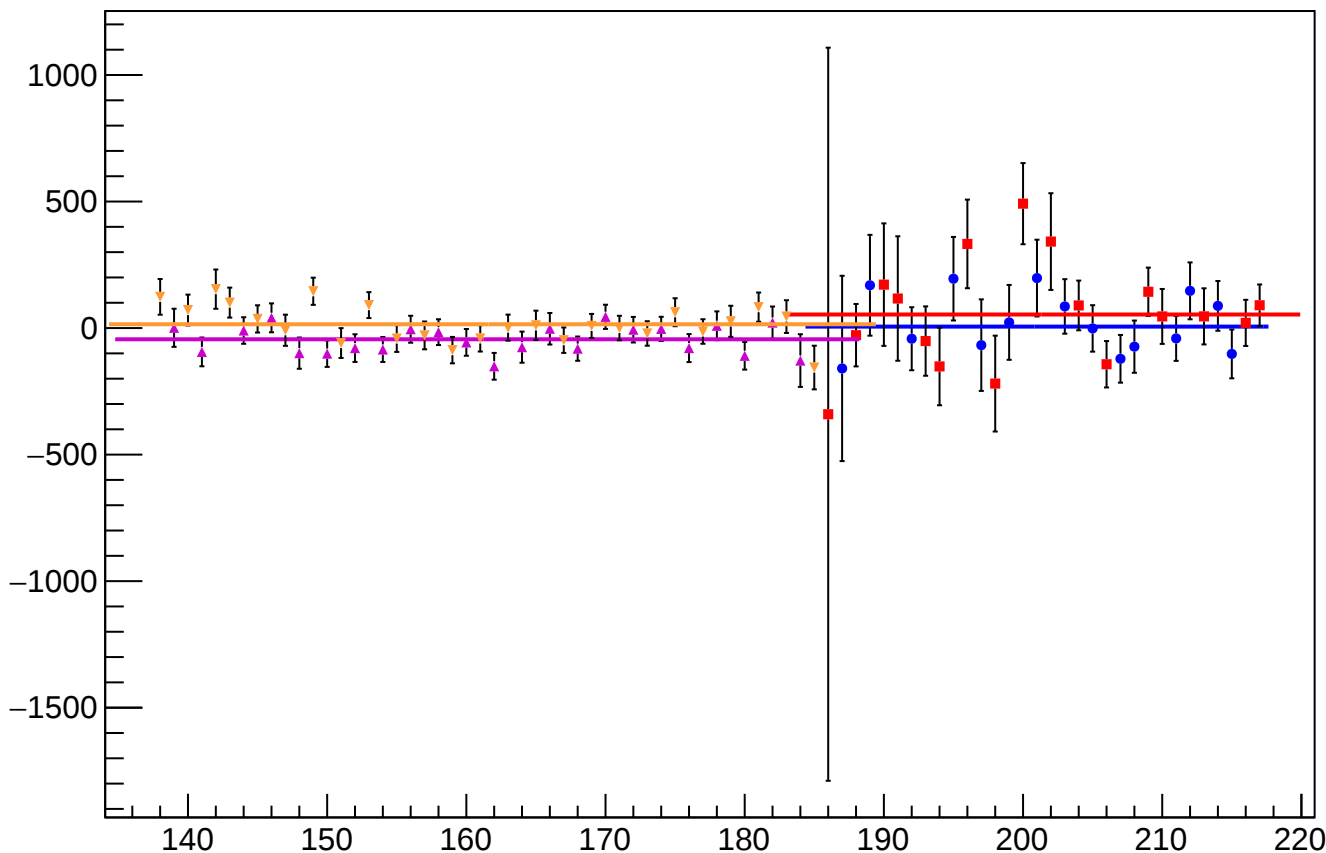
Left In: 785.490 $\pm$ 0.135 χ^2 /NDF:965338.9/22

+ sign 887.637 $\pm$ 0.127 χ^2 /NDF: 9192515.3/39

All: 891.255 $\pm$ 0.091 χ^2 /NDF: 19652120.4/79

- sign 895.033 $\pm$ 0.130 χ^2 /NDF: 10457946.4/39

reg_asym_sam_1526_avg_mean vs Slug



Right In: 5.813 ± 30.395 χ^2/NDF : 10.9/14

Left Out: 15.099 ± 11.154 χ^2/NDF : 34.2/24

Right Out: 53.588 ± 30.288 χ^2/NDF : 23.5/16

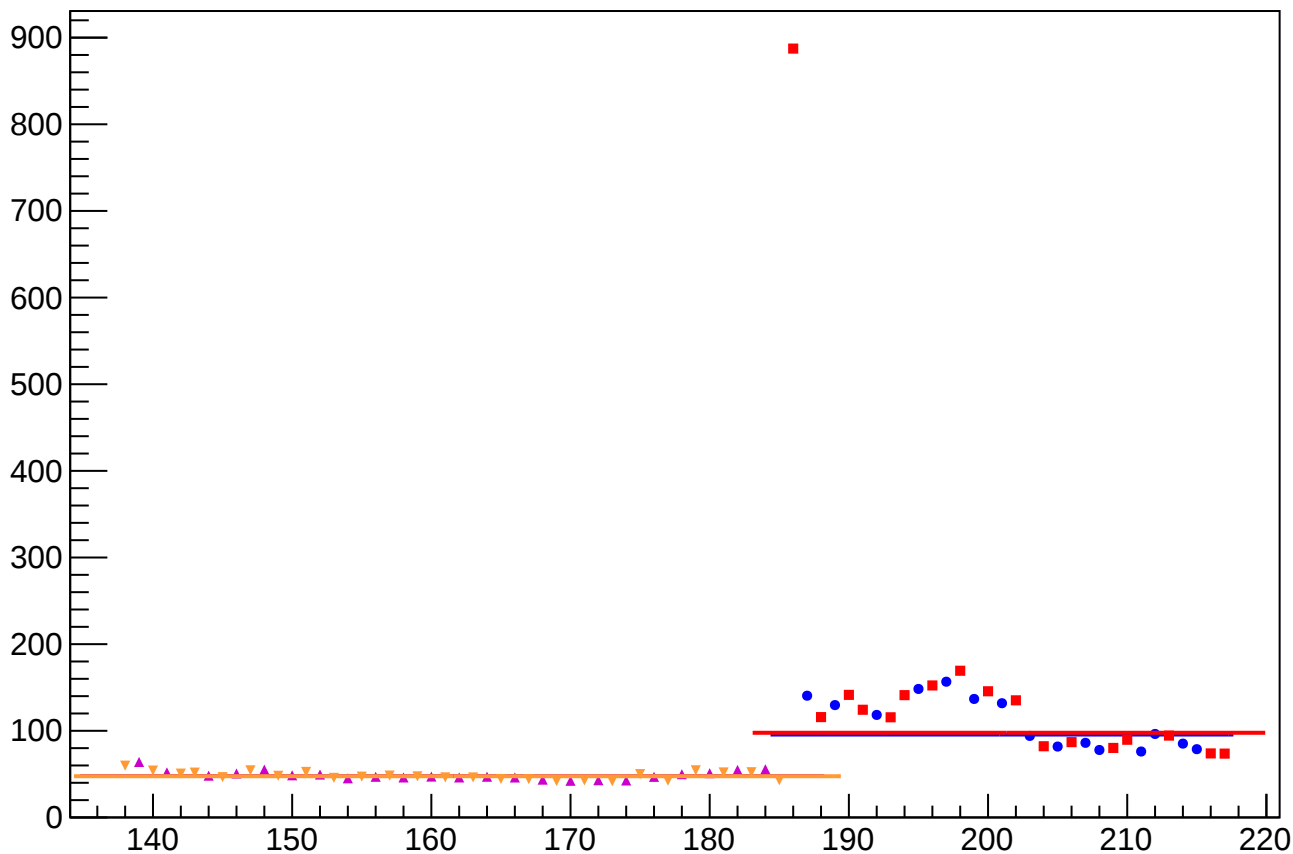
Left In: -44.297 ± 11.530 χ^2/NDF : 22.3/22

+ sign 13.997 ± 10.471 χ^2/NDF : 45.2/39

All: -8.299 ± 7.510 χ^2/NDF : 109.4/79

- sign -31.908 ± 10.775 χ^2/NDF : 54.9/39

reg_asym_sam_1526_avg_rms vs Slug



Right In: 95.719 $\pm$ 0.021 χ^2 /NDF: 1161000.7/14

Left Out: 47.586 $\pm$ 0.008 χ^2 /NDF: 312874.8/24

Right Out: 97.738 $\pm$ 0.021 χ^2 /NDF: 2122179.1/16

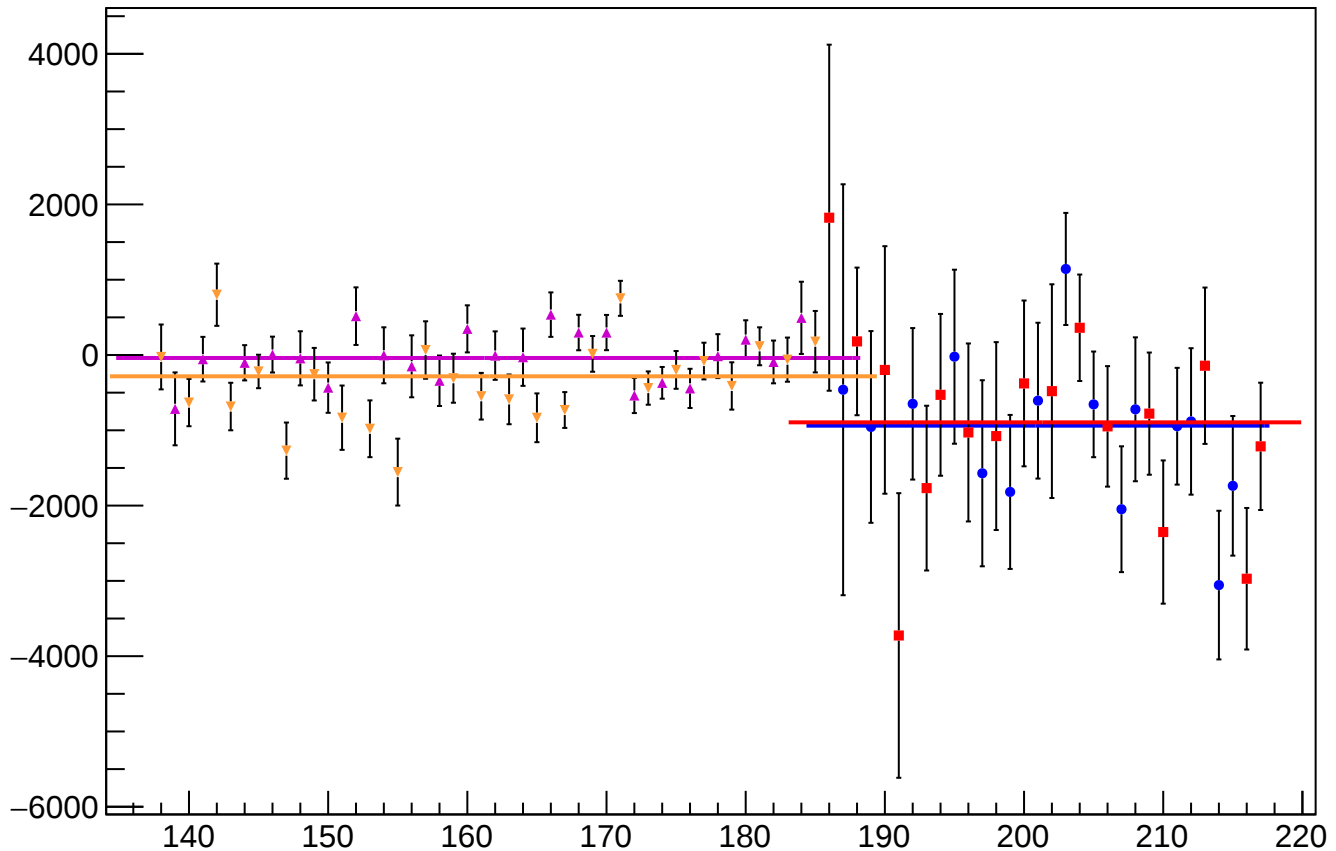
Left In: 47.846 $\pm$ 0.008 χ^2 /NDF: 281790.1/22

+ sign 53.299 $\pm$ 0.007 χ^2 /NDF: 5894131.4/39

All: 53.718 $\pm$ 0.005 χ^2 /NDF: 13044651.5/79

- sign 54.161 $\pm$ 0.008 χ^2 /NDF: 7143943.9/39

asym_sam_1526_avg_correction_mean vs Slug



Right In: -938.164 ± 247.663 χ^2/NDF : 17.0/14

Left Out: -282.798 ± 59.690 χ^2/NDF : 66.5/24

Right Out: -894.343 ± 250.755 χ^2/NDF : 17.2/16

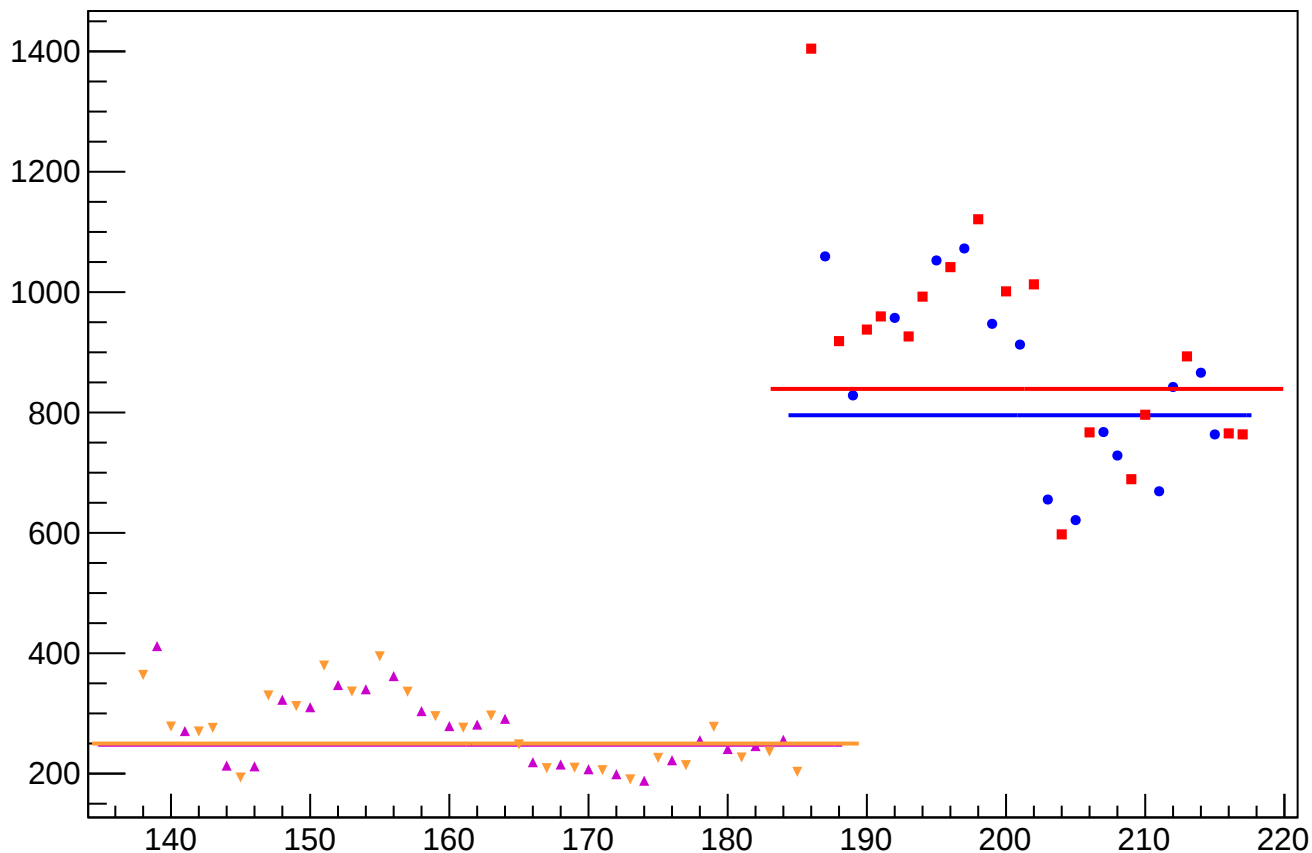
Left In: -39.432 ± 60.759 χ^2/NDF : 27.5/22

+ sign -318.777 ± 58.028 χ^2/NDF : 90.1/39

All: -204.833 ± 41.389 χ^2/NDF : 153.7/79

- sign -86.841 ± 59.050 χ^2/NDF : 55.7/39

asym_sam_1526_avg_correction_rms vs Slug



Right In: 795.436 $\pm$ 0.175 χ^2 /NDF: 617697.6/14

Left Out: 249.956 $\pm$ 0.042 χ^2 /NDF:1614205.9/24

Right Out: 839.224 $\pm$ 0.177 χ^2 /NDF: 793055.6/16

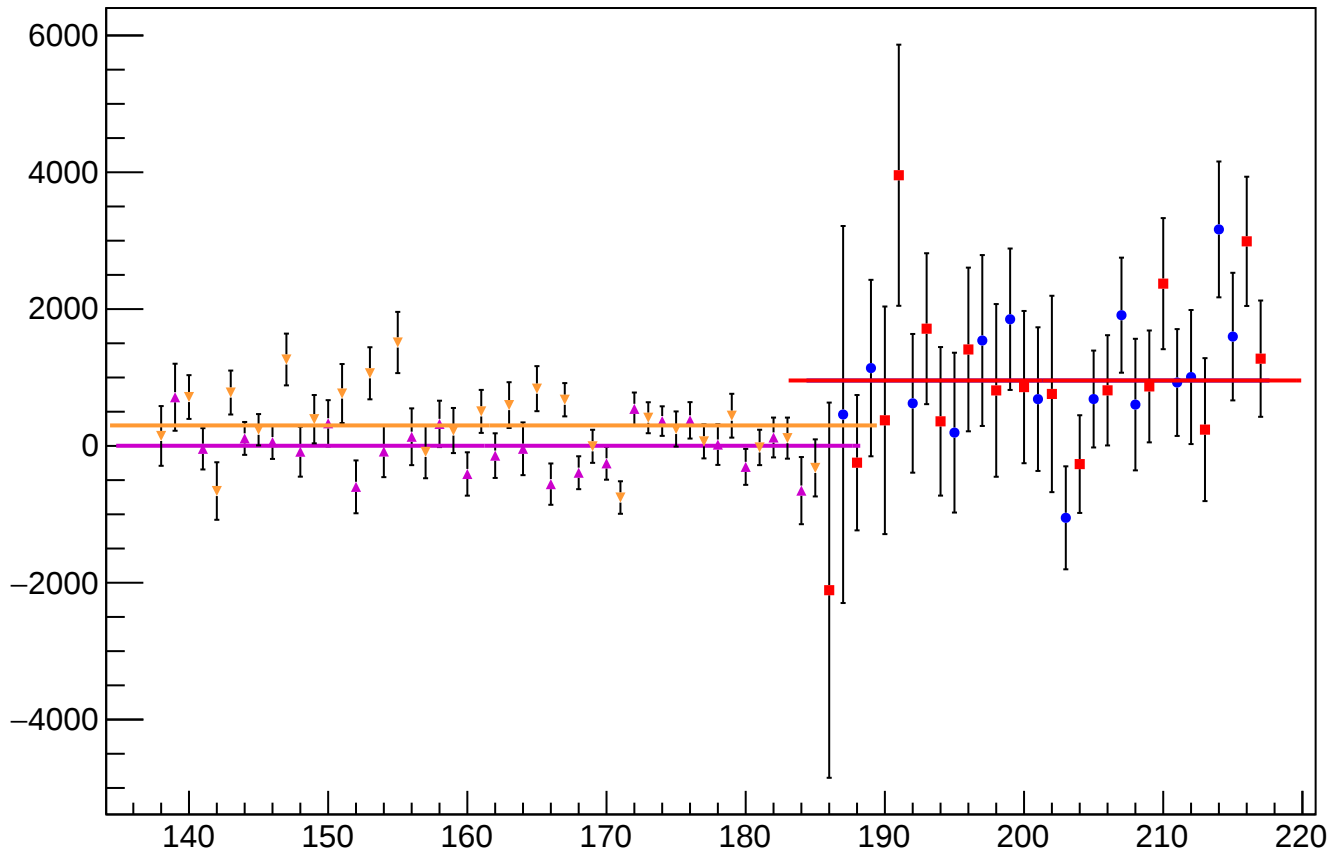
Left In: 247.917 $\pm$ 0.043 χ^2 /NDF:1410847.5/22

+ sign 279.902 $\pm$ 0.041 χ^2 /NDF: 11401366.5/39

All: 280.298 $\pm$ 0.029 χ^2 /NDF: 24110090.4/79

- sign 280.708 $\pm$ 0.042 χ^2 /NDF: 12708534.4/39

asym_sam_1526_avg_mean vs Slug



Right In: 956.008 ± 249.823 χ^2/NDF : 15.7/14

Left Out: 299.562 ± 60.860 χ^2/NDF : 62.5/24

Right Out: 956.572 ± 253.293 χ^2/NDF : 16.7/16

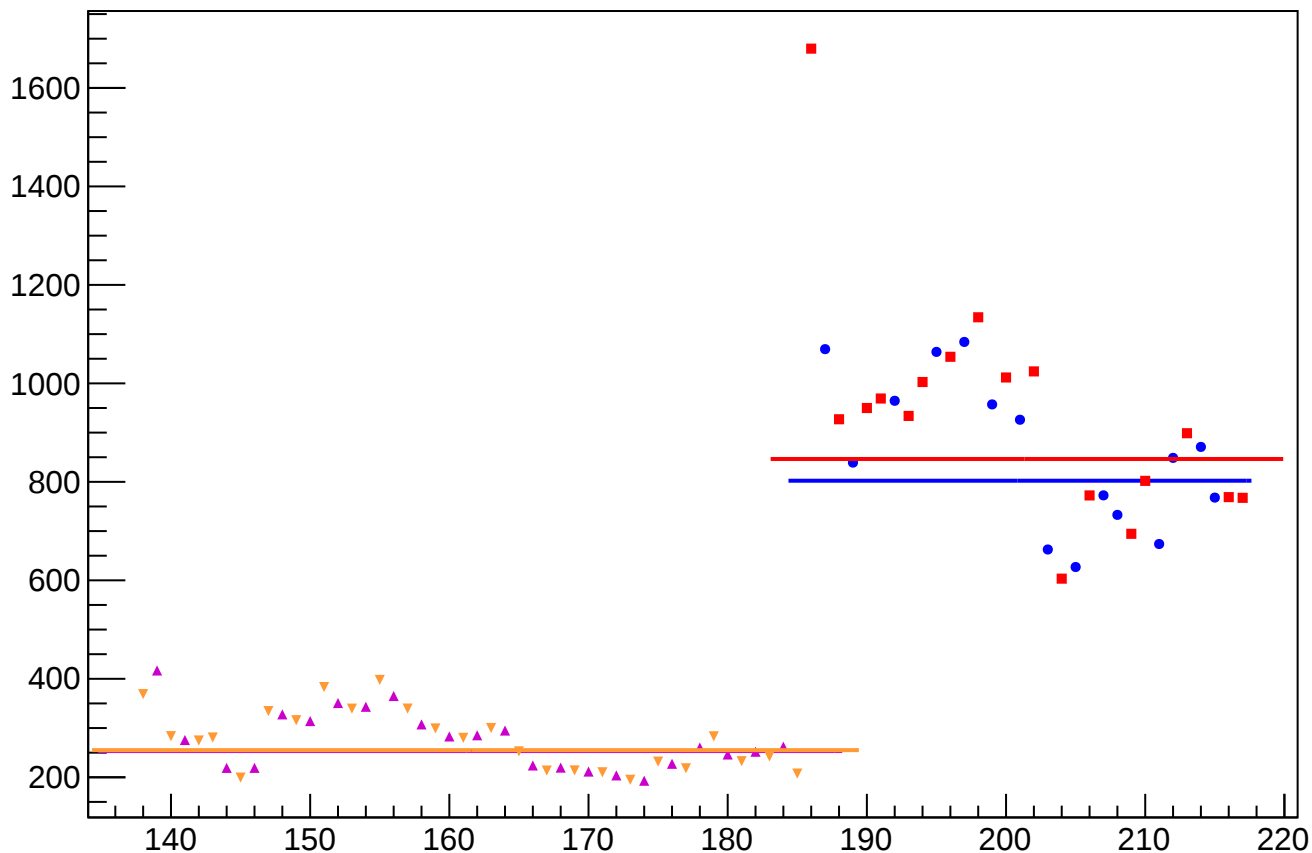
Left In: 2.185 ± 62.005 χ^2/NDF : 29.2/22

+ sign 336.337 ± 59.130 χ^2/NDF : 84.7/39

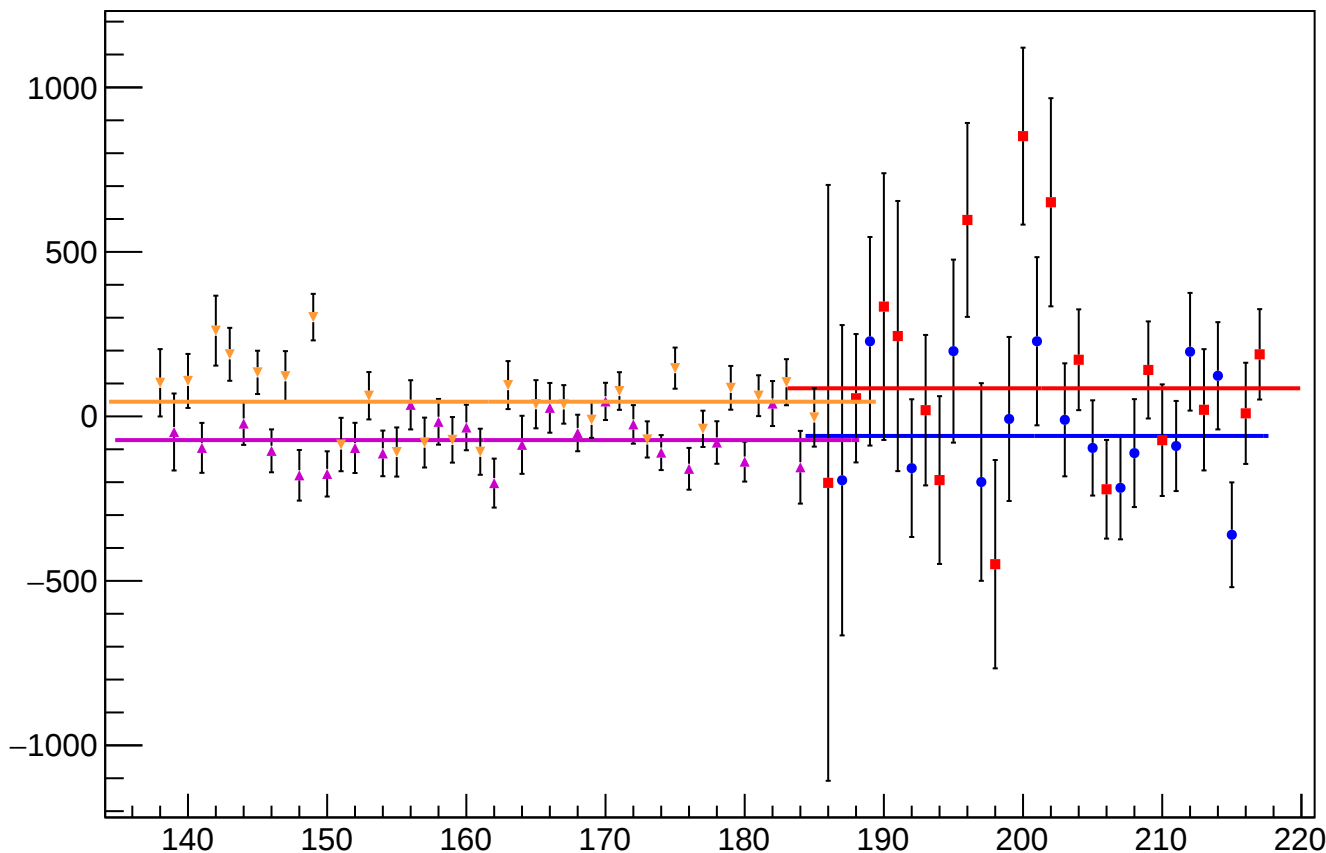
All: 198.813 ± 42.194 χ^2/NDF : 155.0/79

- sign 56.143 ± 60.226 χ^2/NDF : 59.2/39

asym_sam_1526_avg_rms vs Slug



reg_asym_sam_3726_avg_mean vs Slug



Right In: -59.428 ± 49.162 $\chi^2/\text{NDF}: 11.7/14$

Left Out: 44.602 ± 13.824 $\chi^2/\text{NDF}: 53.9/24$

Right Out: 85.415 ± 49.282 $\chi^2/\text{NDF}: 25.6/16$

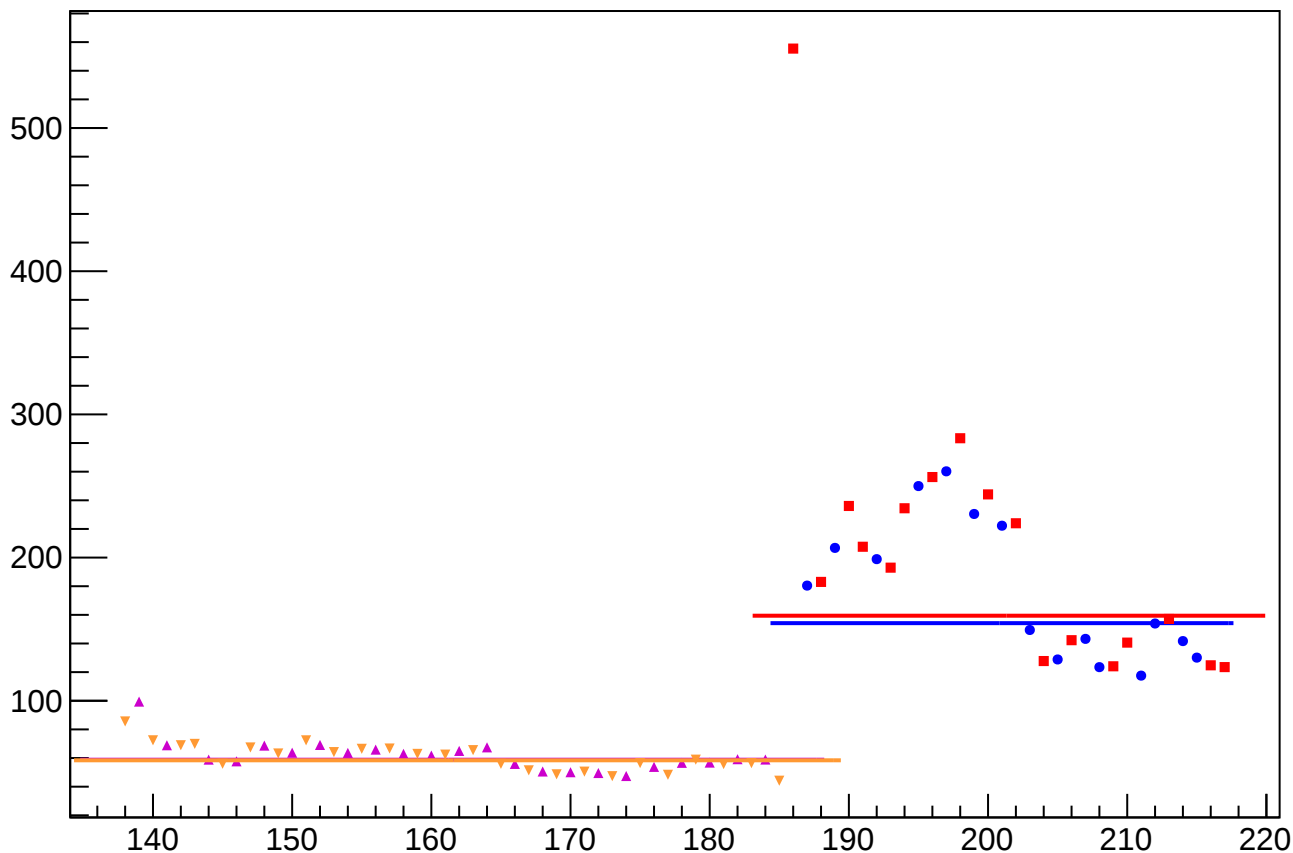
Left In: -72.037 ± 14.296 $\chi^2/\text{NDF}: 25.3/22$

+ sign 36.979 ± 13.308 $\chi^2/\text{NDF}: 69.7/39$

All: -9.907 ± 9.556 $\chi^2/\text{NDF}: 155.7/79$

- sign -59.815 ± 13.730 $\chi^2/\text{NDF}: 60.3/39$

reg_asym_sam_3726_avg_rms vs Slug



Right In: 154.209 $\pm$ 0.035 χ^2 /NDF: 1310762.9/14

Left Out: 58.423 $\pm$ 0.010 χ^2 /NDF: 790091.3/24

Right Out: 159.407 $\pm$ 0.035 χ^2 /NDF: 2019881.5/16

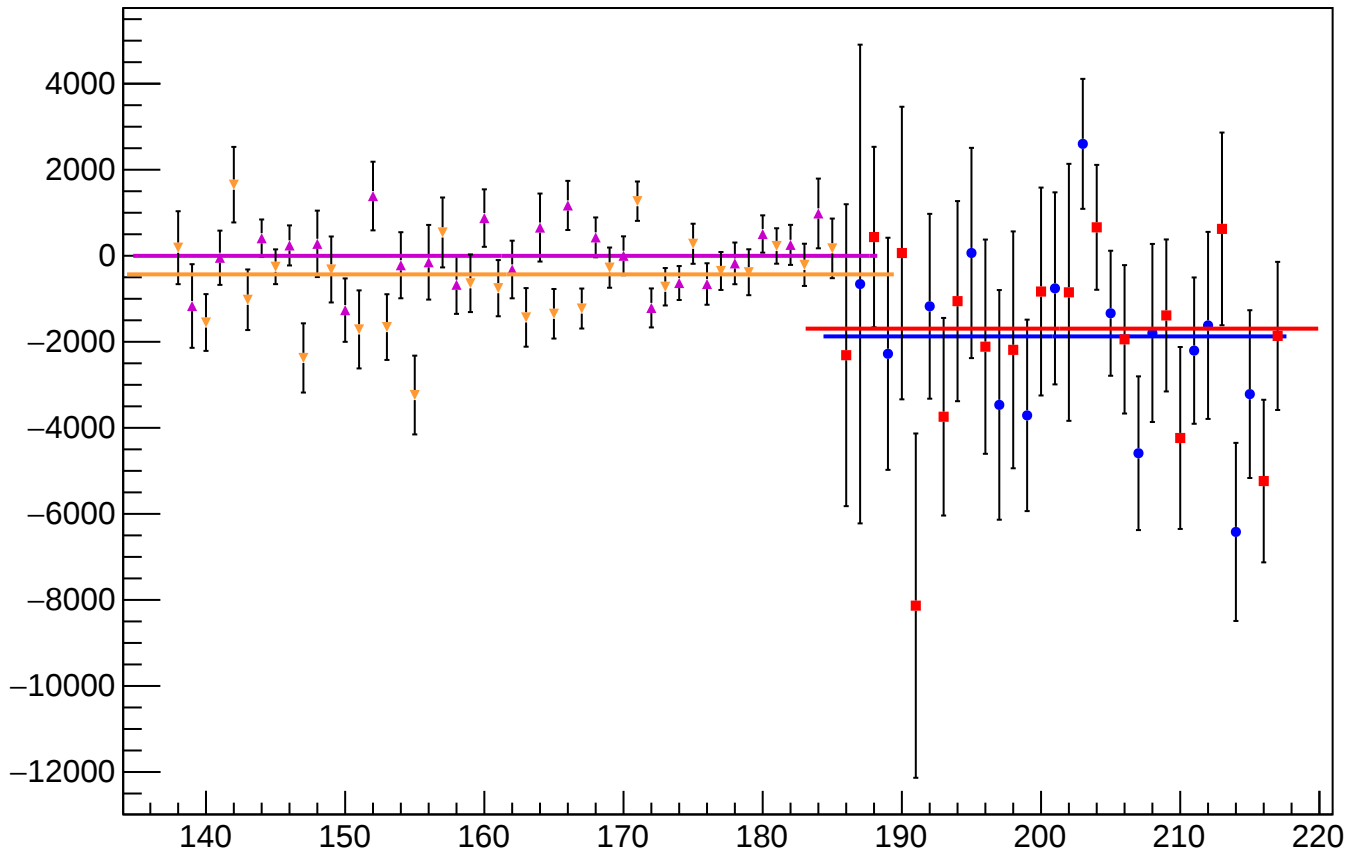
Left In: 58.840 $\pm$ 0.010 χ^2 /NDF: 679925.7/22

+ sign 65.442 $\pm$ 0.009 χ^2 /NDF: 9136756.0/39

All: 66.025 $\pm$ 0.007 χ^2 /NDF: 19526362.8/79

- sign 66.646 $\pm$ 0.010 χ^2 /NDF: 10381676.3/39

asym_sam_3726_avg_correction_mean vs Slug



Right In: -1874.155 $\pm$ 526.387 χ^2/NDF : 18.7/14

Left Out: -432.330 $\pm$ 114.408 χ^2/NDF : 59.4/24

Right Out: -1693.920 $\pm$ 528.541 χ^2/NDF : 13.8/16

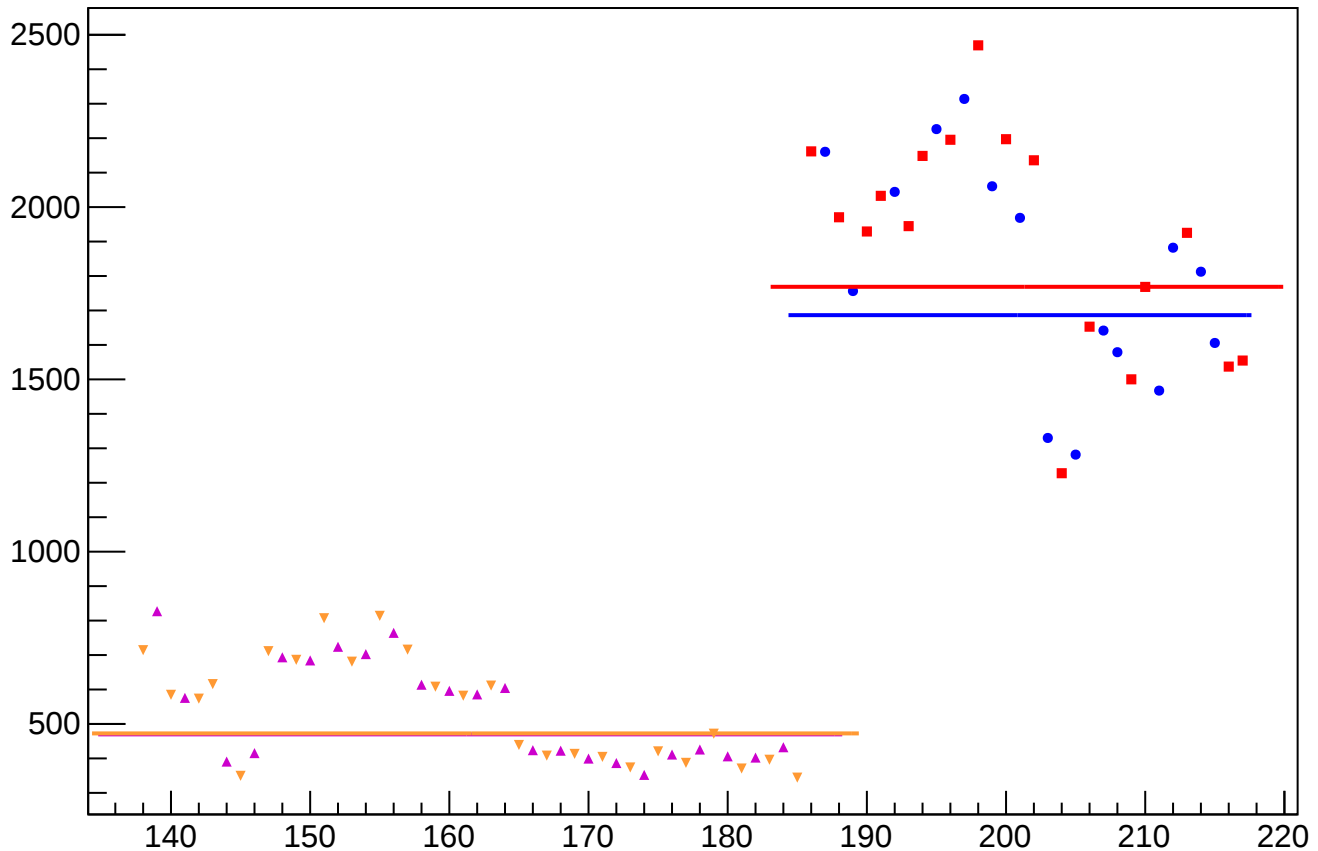
Left In: -1.825 $\pm$ 116.459 χ^2/NDF : 32.3/22

+ sign -497.368 $\pm$ 111.798 χ^2/NDF : 85.2/39

All: -292.345 $\pm$ 79.728 χ^2/NDF : 147.9/79

- sign -80.172 $\pm$ 113.731 χ^2/NDF : 55.9/39

asym_sam_3726_avg_correction_rms vs Slug



Right In: 1686.421+/-0.372 χ^2/NDF : 701351.2/14

Left Out: 472.569+/-0.081 χ^2/NDF :2508168.9/24

Right Out: 1768.678+/-0.374 χ^2/NDF : 806905.2/16

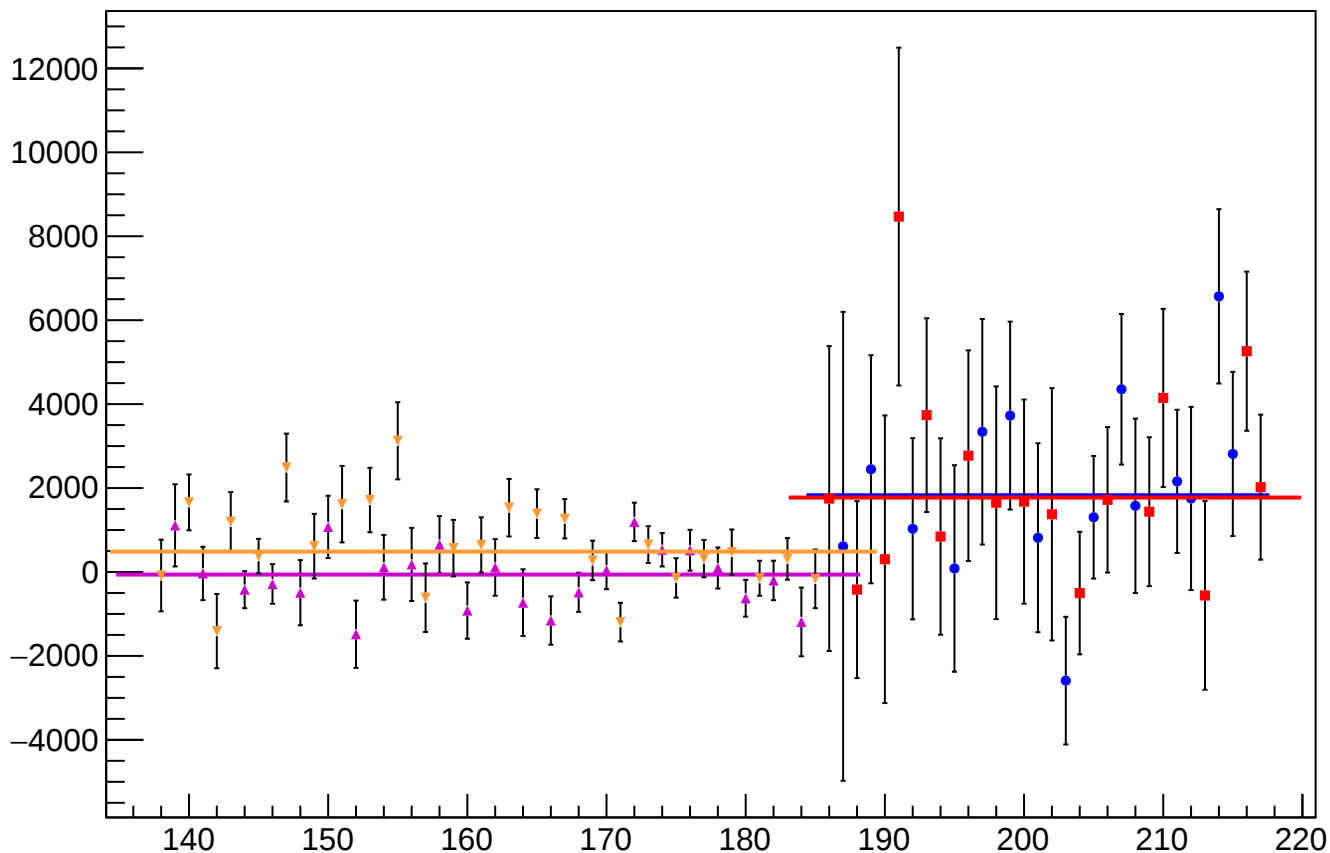
Left In: 469.761+/-0.082 χ^2/NDF :2116885.7/22

+ sign 527.324+/-0.079 χ^2/NDF : 13365104.1/39

All: 528.591+/-0.056 χ^2/NDF : 27809272.3/79

- sign 529.904+/-0.080 χ^2/NDF : 14443644.8/39

asym_sam_3726_avg_mean vs Slug



Right In: 1828.033 $\pm$ 529.091 χ^2 /NDF: 18.0/14

Left Out: 486.645 $\pm$ 115.346 χ^2 /NDF: 56.0/24

Right Out: 1773.399 $\pm$ 531.496 χ^2 /NDF: 13.3/16

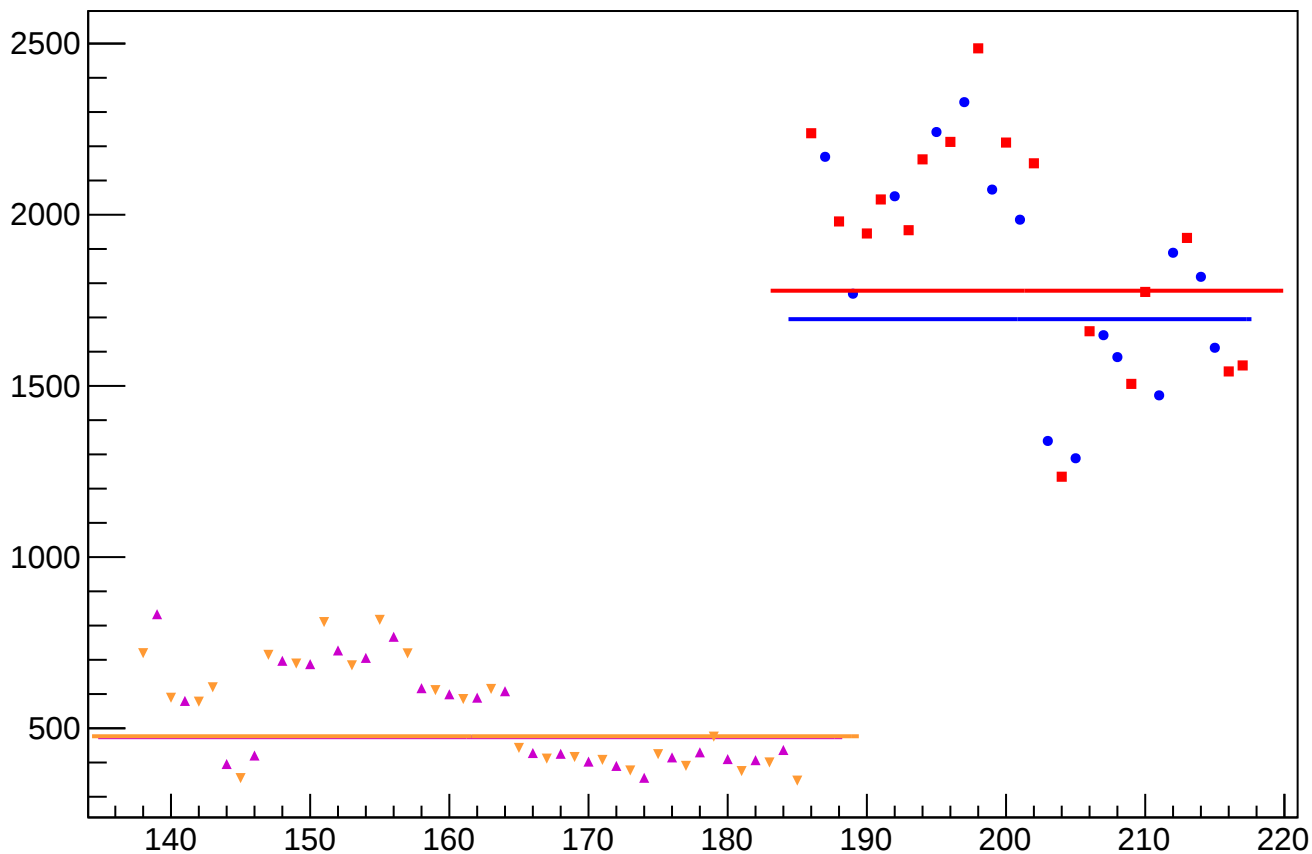
Left In: -61.775 $\pm$ 117.449 χ^2 /NDF: 31.2/22

+ sign 547.506 $\pm$ 112.699 χ^2 /NDF: 80.2/39

All: 290.154 $\pm$ 80.382 χ^2 /NDF: 146.6/79

- sign 23.667 $\pm$ 114.682 χ^2 /NDF: 55.8/39

asym_sam_3726_avg_rms vs Slug



Right In: 1694.997 $\pm$ 0.374 χ^2 /NDF: 703421.5/14

Left Out: 476.690 $\pm$ 0.082 χ^2 /NDF: 2472737.6/24

Right Out: 1778.104 $\pm$ 0.376 χ^2 /NDF: 819505.6/16

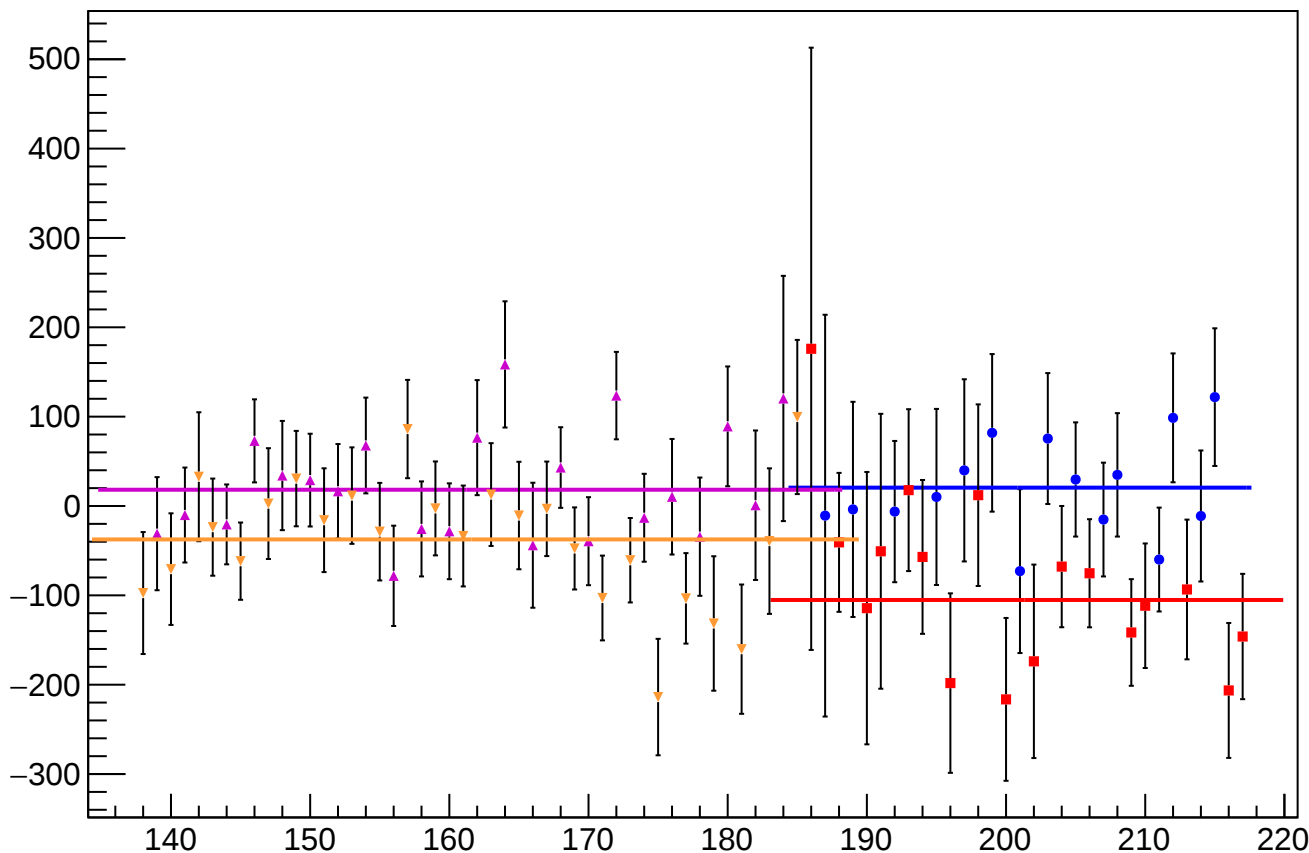
Left In: 473.983 $\pm$ 0.083 χ^2 /NDF: 2087113.7/22

+ sign 531.966 $\pm$ 0.080 χ^2 /NDF: 13299369.1/39

All: 533.309 $\pm$ 0.057 χ^2 /NDF: 27687033.5/79

- sign 534.700 $\pm$ 0.081 χ^2 /NDF: 14387086.1/39

reg_asym_sam_15_48_dd_mean vs Slug



Right In: 20.549 $\pm$ 20.304 χ^2 /NDF: 7.7/14

Left Out: -37.413 $\pm$ 11.390 χ^2 /NDF:30.5/24

Right Out: -105.178 $\pm$ 20.256 χ^2 /NDF: 10.8/16

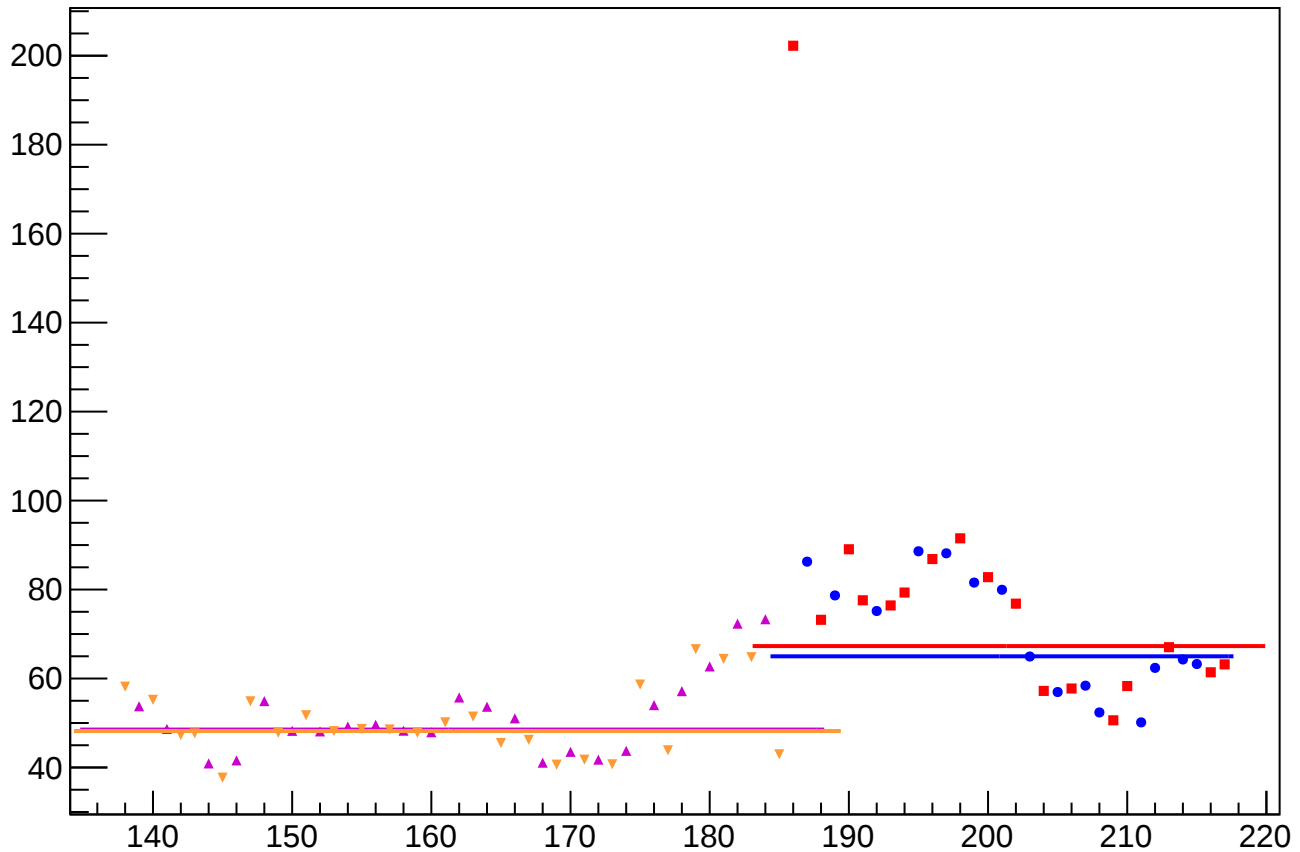
Left In: 18.210 $\pm$ 11.788 χ^2 /NDF:23.0/22

+ sign -23.539 $\pm$ 9.934 χ^2 /NDF: 44.4/39

All: -18.406 $\pm$ 7.112 χ^2 /NDF: 106.5/79

- sign -13.005 $\pm$ 10.188 χ^2 /NDF: 61.5/39

reg_asym_sam_15_48_dd_rms vs Slug



Right In: 64.992 ± 0.014 χ^2/NDF : 673000.1/14

Left Out: 48.200 ± 0.008 χ^2/NDF : 750196.2/24

Right Out: 67.291 ± 0.014 χ^2/NDF : 1006598.9/16

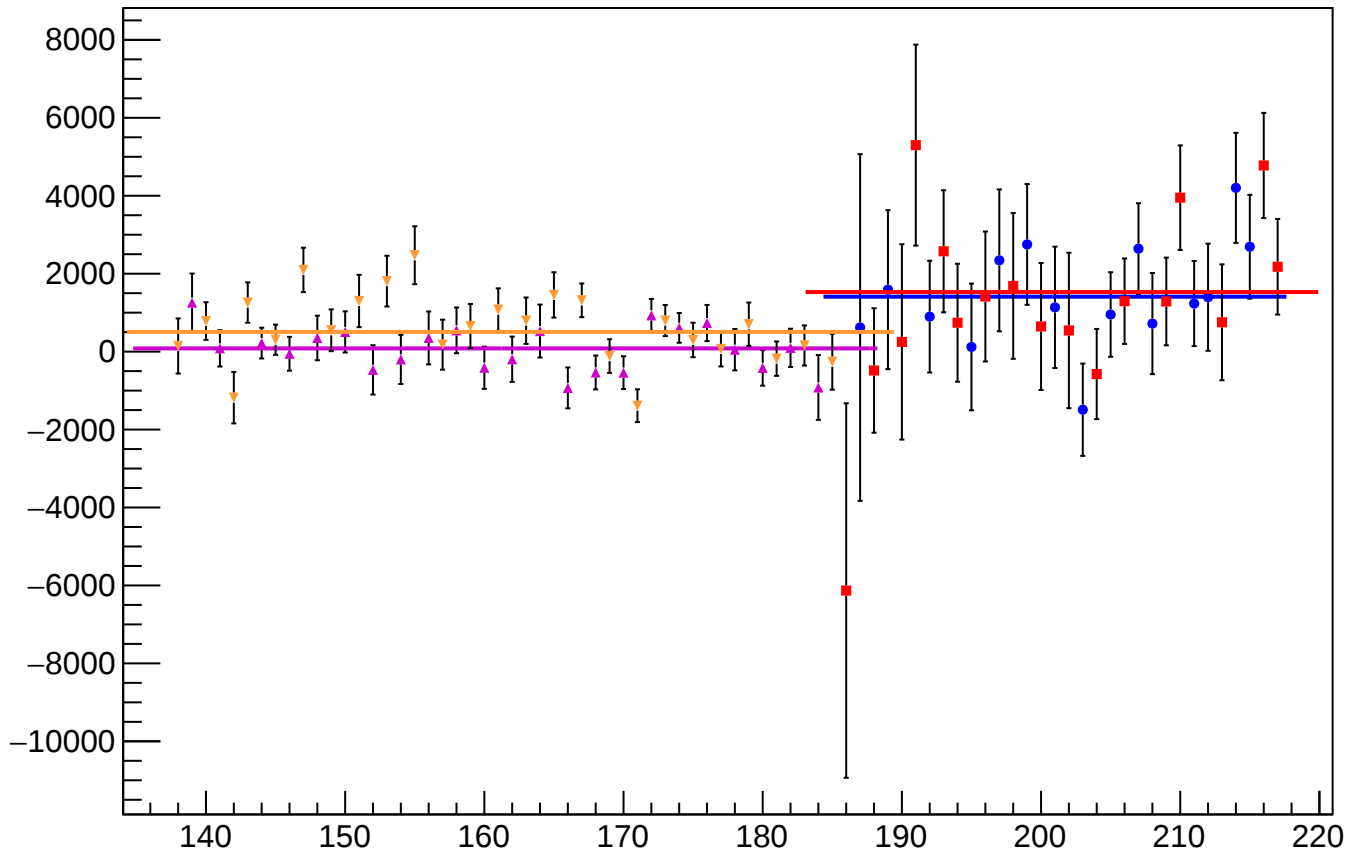
Left In: 48.527 ± 0.008 χ^2/NDF : 675340.8/22

+ sign 52.219 ± 0.007 χ^2/NDF : 2463741.0/39

All: 52.733 ± 0.005 χ^2/NDF : 5438825.4/79

- sign 53.274 ± 0.007 χ^2/NDF : 2964090.4/39

asym_sam_15_48_dd_correction_mean vs Slug



Right In: 1409.933+/-362.375 χ^2/NDF : 14.3/14

Left Out: 506.205+/-103.468 χ^2/NDF : 65.7/24

Right Out: 1528.878+/-366.328 χ^2/NDF : 20.8/16

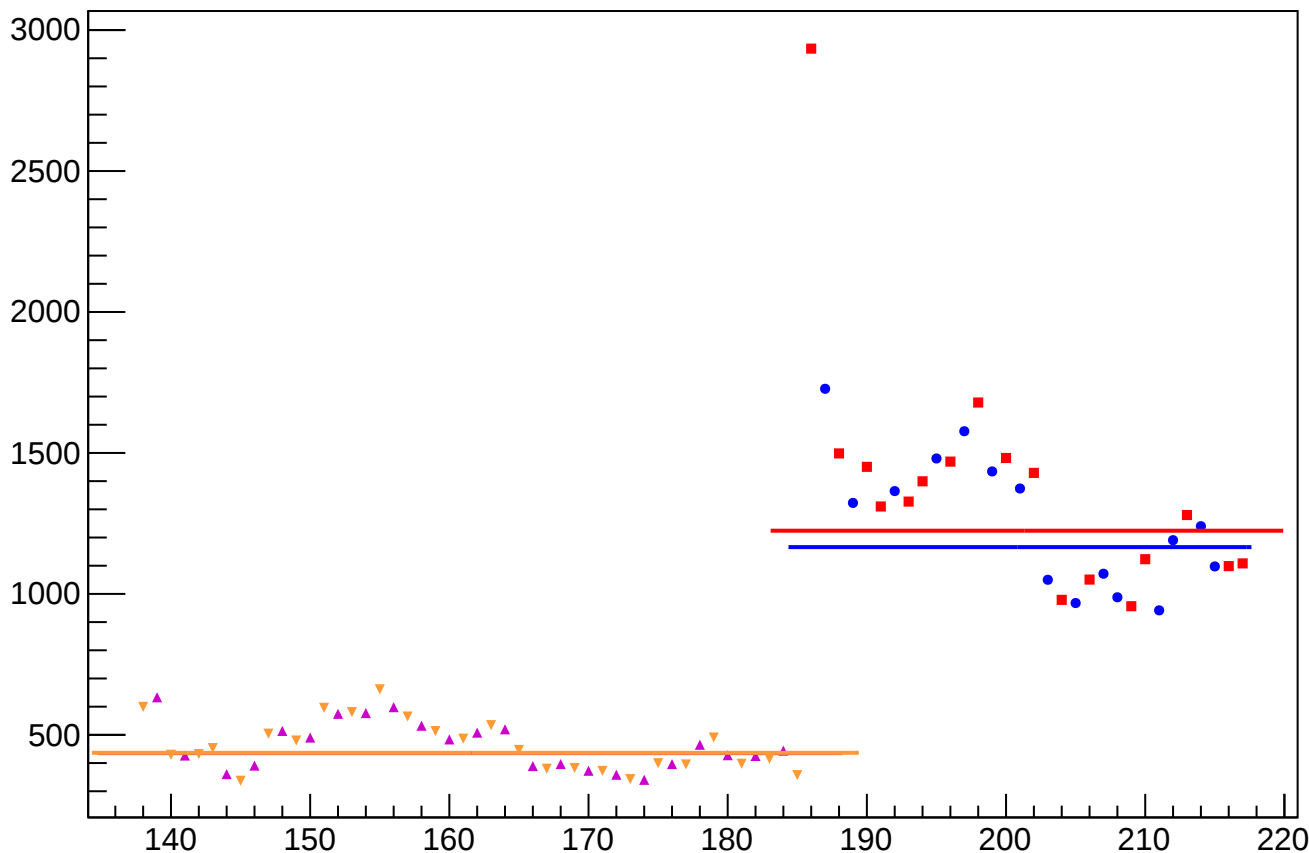
Left In: 82.421+/-105.935 χ^2/NDF : 25.3/22

+ sign 574.328+/-99.492 χ^2/NDF : 85.7/39

All: 388.484+/-71.142 χ^2/NDF : 153.4/79

- sign 194.047+/-101.766 χ^2/NDF : 60.5/39

asym_sam_15_48_dd_correction_rms vs Slug



Right In: 1165.973+/-0.256 χ^2/NDF : 587469.4/14

Left Out: 436.301+/-0.073 χ^2/NDF :1179348.4/24

Right Out: 1224.169+/-0.259 χ^2/NDF : 901415.2/16

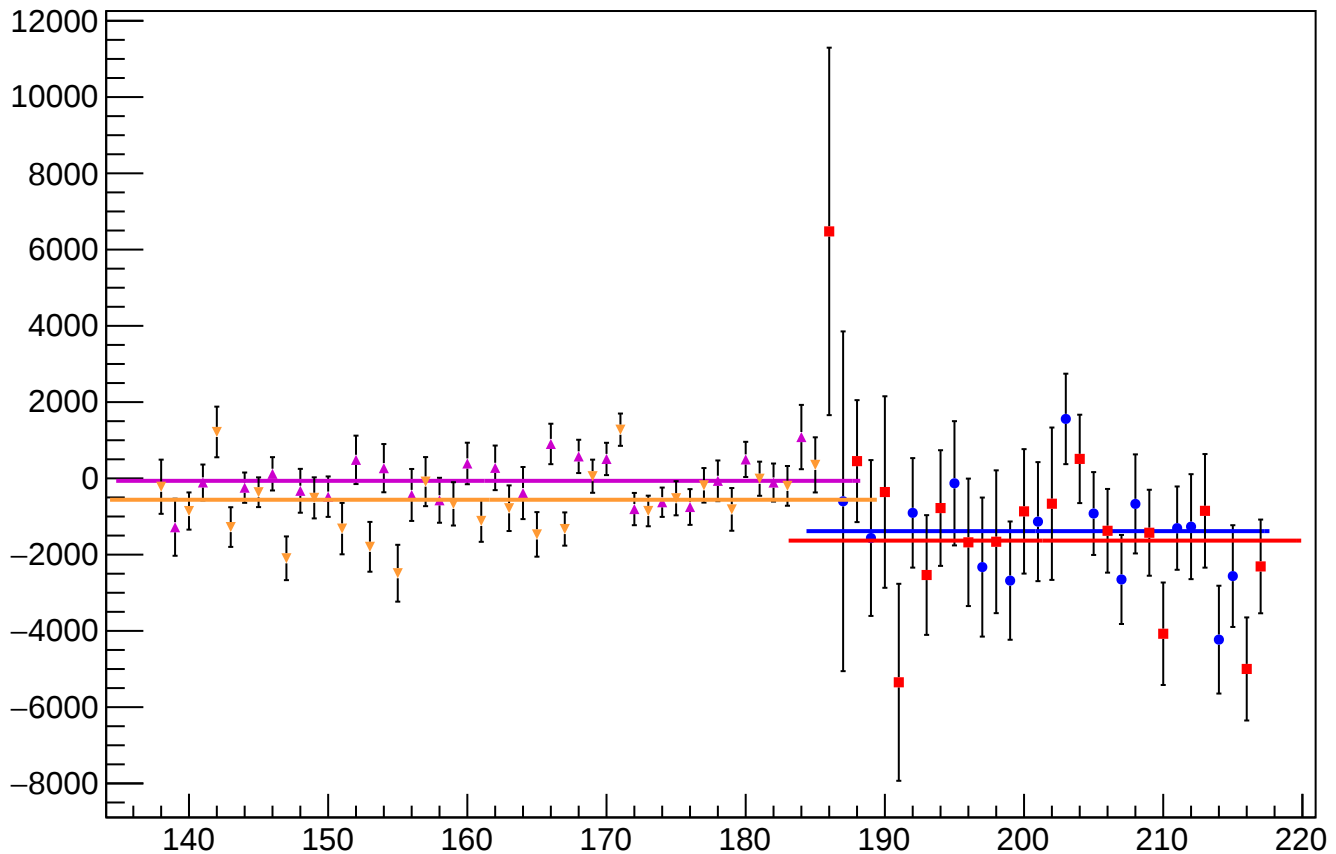
Left In: 435.275+/-0.075 χ^2/NDF :1027713.1/22

+ sign 491.304+/-0.070 χ^2/NDF : 9264580.8/39

All: 493.675+/-0.050 χ^2/NDF : 19755525.3/79

- sign 496.156+/-0.072 χ^2/NDF : 10488620.3/39

asym_sam_15_48_dd_mean vs Slug



Right In: -1383.775 ± 362.978 χ^2/NDF : 14.4/14

Left Out: -560.684 ± 104.207 χ^2/NDF : 61.8/24

Right Out: -1632.301 ± 366.926 χ^2/NDF : 21.6/16

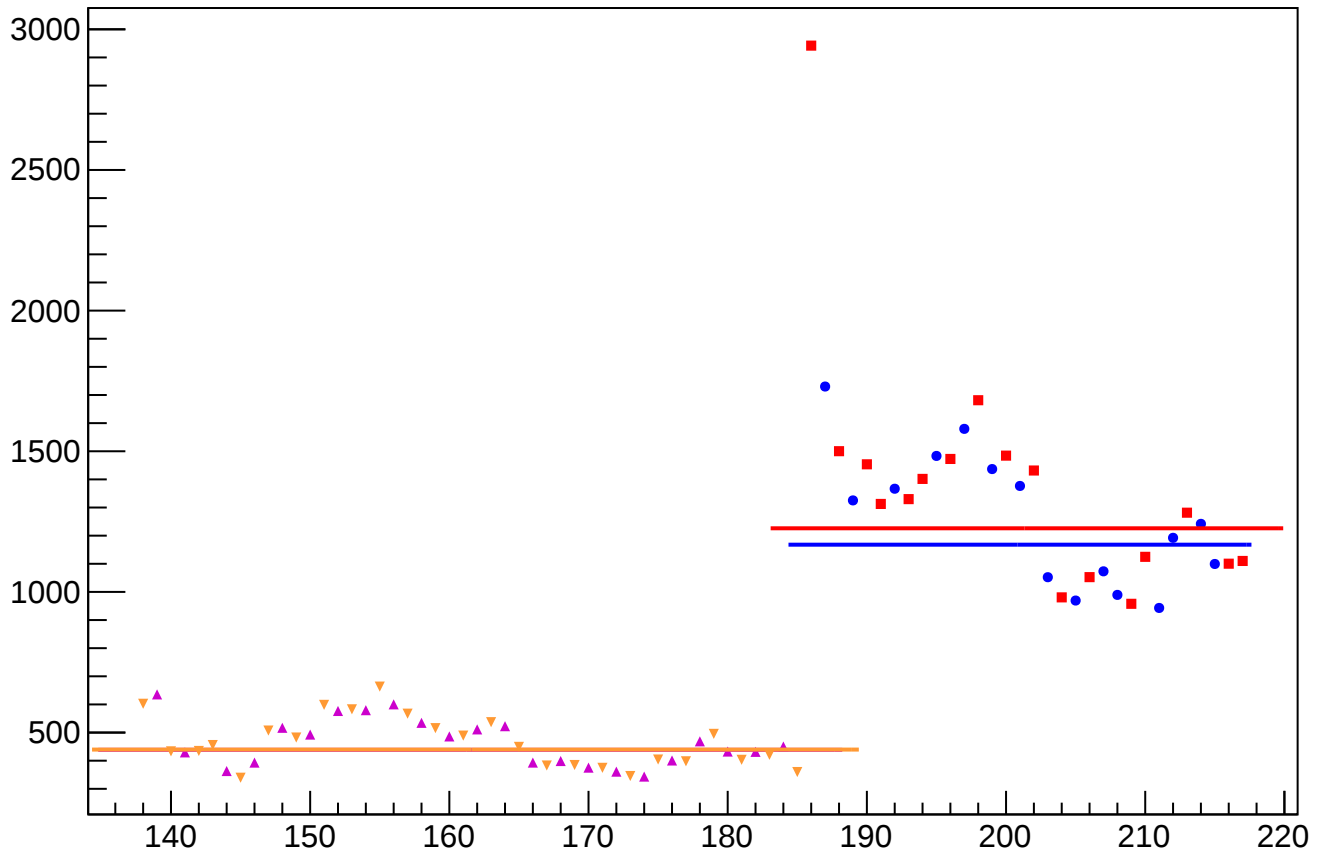
Left In: -64.594 ± 106.708 χ^2/NDF : 25.2/22

+ sign -623.358 ± 100.161 χ^2/NDF : 80.9/39

All: -410.057 ± 71.625 χ^2/NDF : 153.7/79

- sign -186.842 ± 102.463 χ^2/NDF : 63.6/39

asym_sam_15_48_dd_rms vs Slug



Right In: 1167.909+/-0.257 χ^2/NDF : 587839.0/14

Left Out: 439.527+/-0.074 χ^2/NDF : 1163352.8/24

Right Out: 1226.151+/-0.259 χ^2/NDF : 902094.5/16

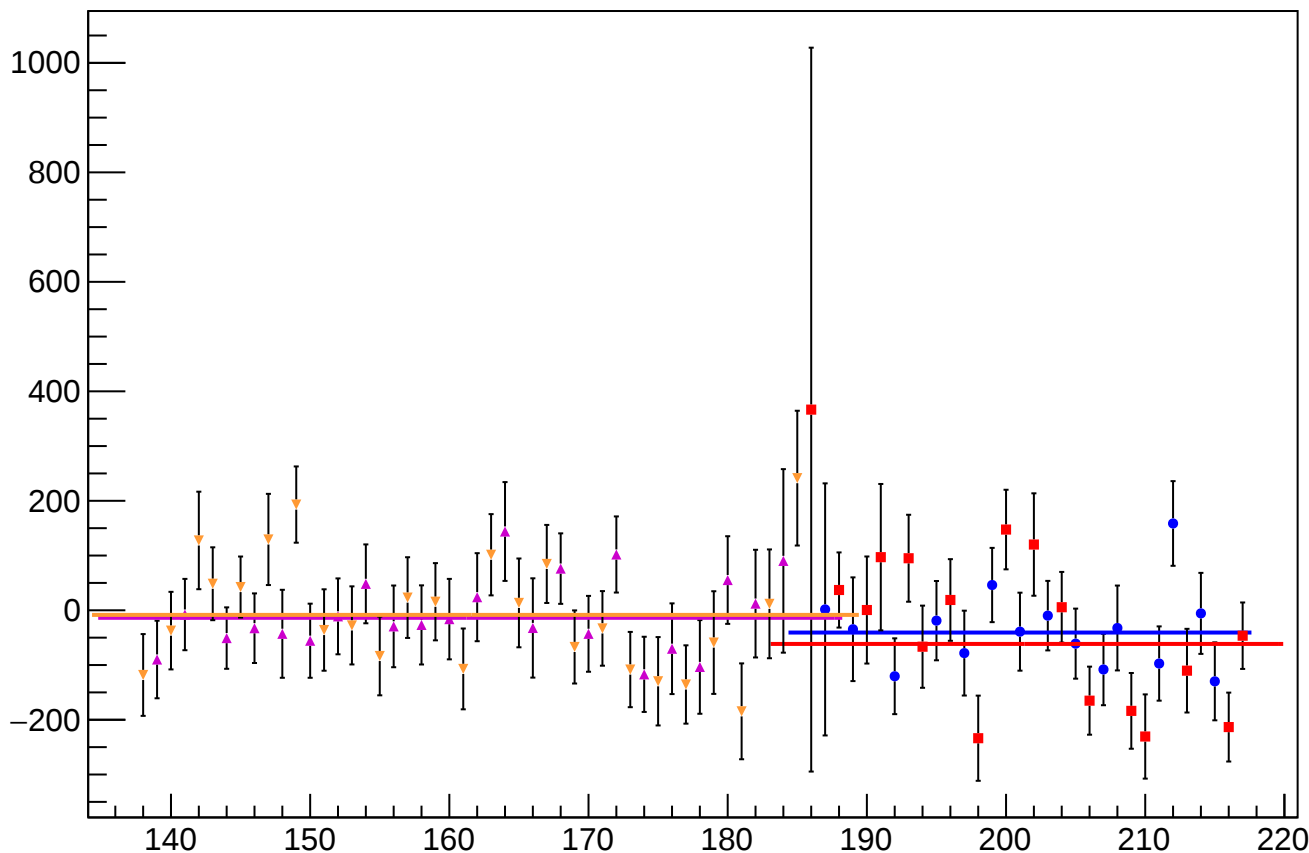
Left In: 438.548+/-0.075 χ^2/NDF : 1013071.4/22

+ sign 494.989+/-0.071 χ^2/NDF : 9191501.1/39

All: 497.420+/-0.051 χ^2/NDF : 19605374.1/79

- sign 499.964+/-0.072 χ^2/NDF : 10411462.2/39

reg_asym_sam_37_48_dd_mean vs Slug



Right In: -40.663 ± 19.008 χ^2/NDF : 13.9/14

Left Out: -8.416 ± 14.935 χ^2/NDF : 41.6/24

Right Out: -61.463 ± 18.470 χ^2/NDF : 44.4/16

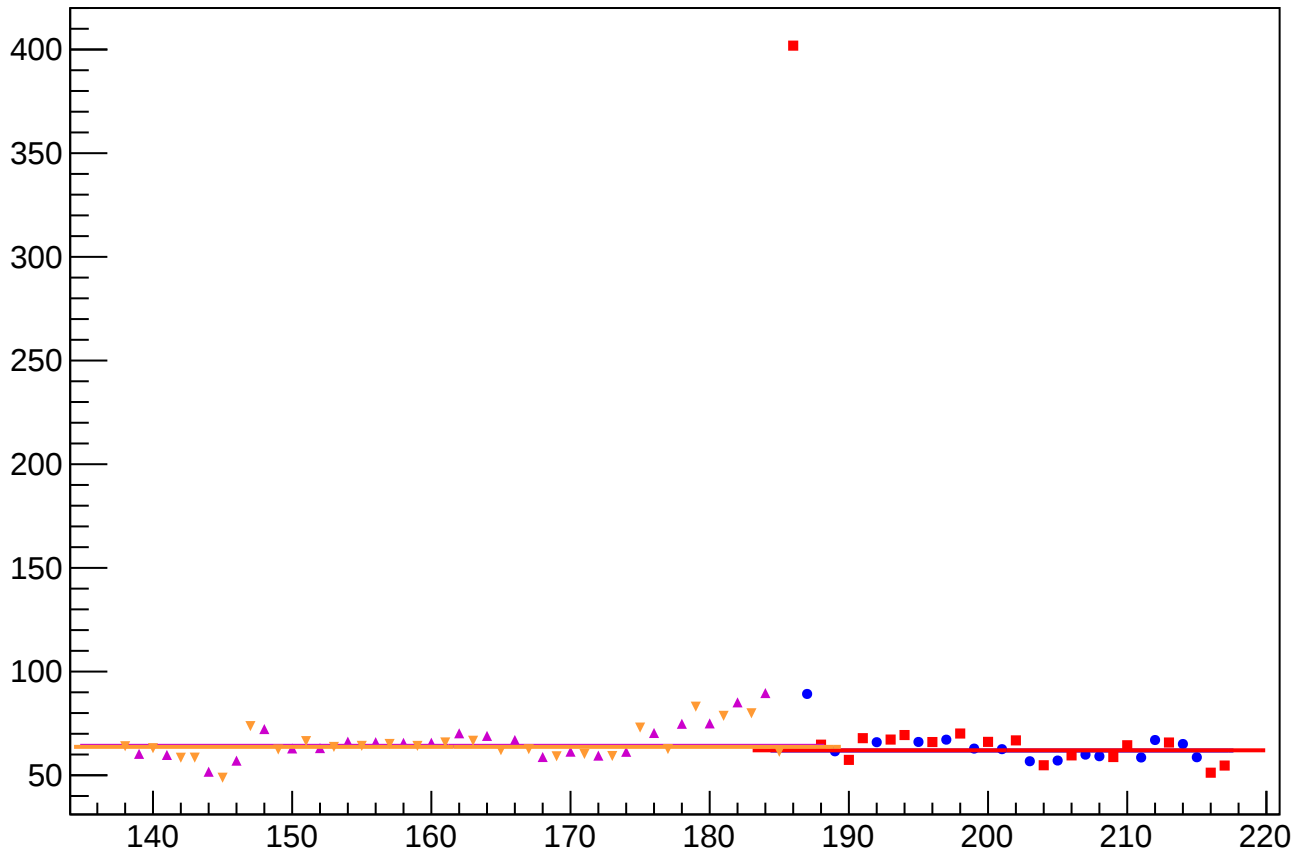
Left In: -13.723 ± 15.478 χ^2/NDF : 16.3/22

+ sign -20.725 ± 11.743 χ^2/NDF : 57.3/39

All: -27.007 ± 8.346 χ^2/NDF : 122.4/79

- sign -33.418 ± 11.863 χ^2/NDF : 64.6/39

reg_asym_sam_37_48_dd_rms vs Slug



Right In: 61.915 $\pm$ 0.013 χ^2 /NDF: 101349.4/14

Left Out: 63.696 $\pm$ 0.011 χ^2 /NDF: 448439.3/24

Right Out: 62.026 $\pm$ 0.013 χ^2 /NDF: 733933.8/16

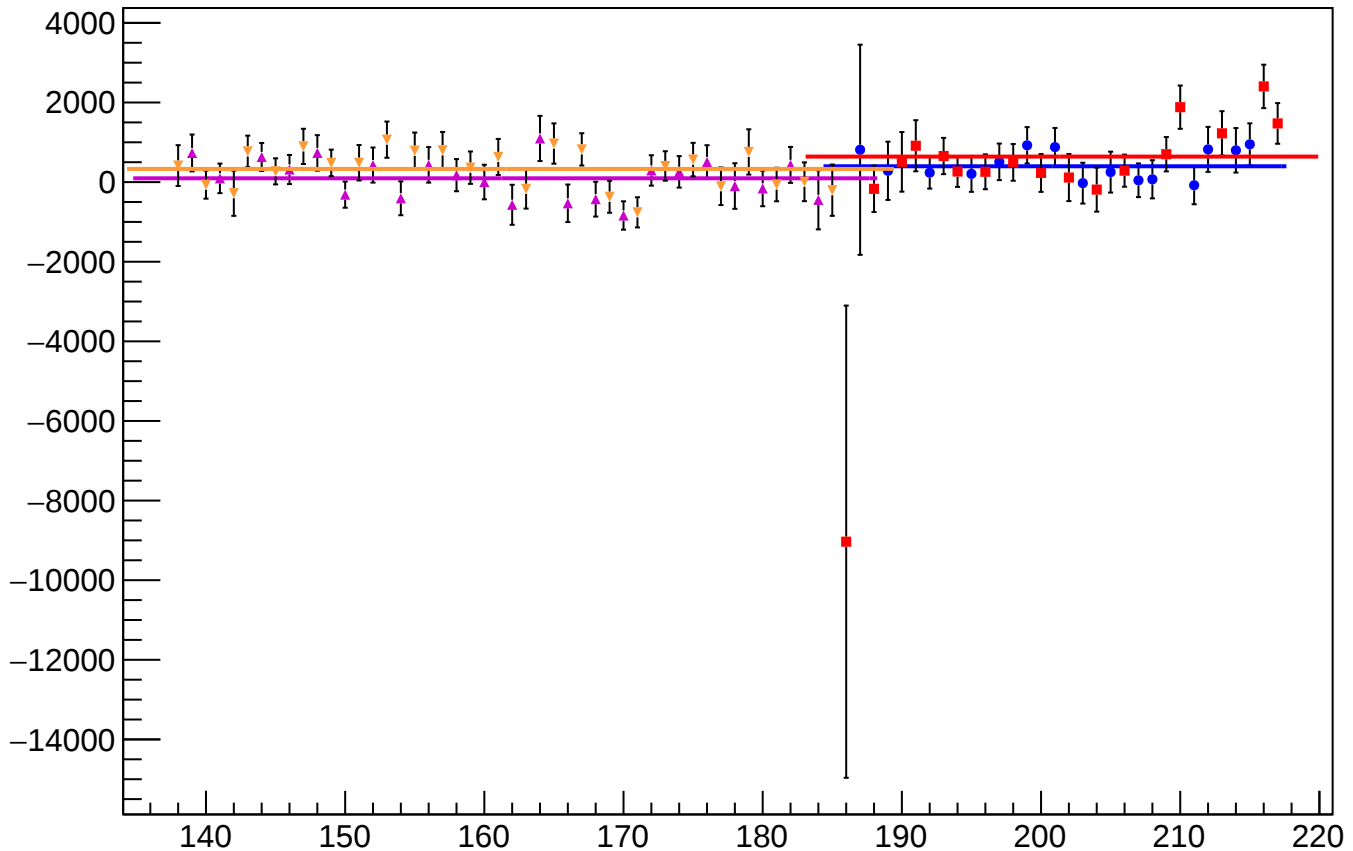
Left In: 64.189 $\pm$ 0.011 χ^2 /NDF: 429670.3/22

+ sign 63.016 $\pm$ 0.008 χ^2 /NDF: 560639.5/39

All: 63.155 $\pm$ 0.006 χ^2 /NDF: 1740925.3/79

- sign 63.297 $\pm$ 0.008 χ^2 /NDF: 1179721.9/39

asym_sam_37_48_dd_correction_mean vs Slug



Right In: 397.869 ± 130.300 χ^2/NDF : 7.9/14

Left Out: 331.739 ± 86.071 χ^2/NDF : 29.9/24

Right Out: 641.067 ± 124.548 χ^2/NDF : 30.6/16

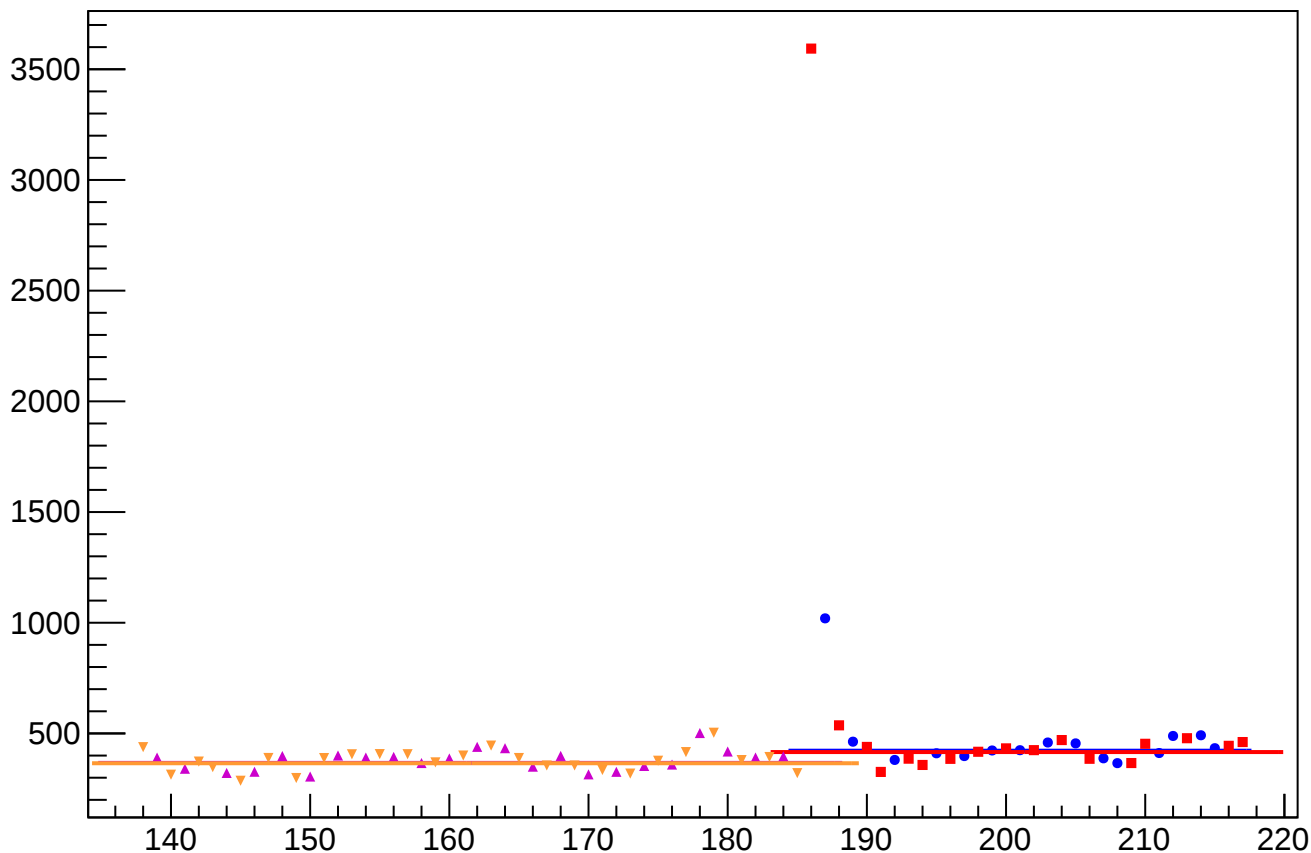
Left In: 95.910 ± 88.656 χ^2/NDF : 28.7/22

+ sign 351.828 ± 71.817 χ^2/NDF : 37.9/39

All: 315.741 ± 50.926 χ^2/NDF : 110.4/79

- sign 279.242 ± 72.226 χ^2/NDF : 72.0/39

asym_sam_37_48_dd_correction_rms vs Slug



Right In: 421.987 $\pm$ 0.092 χ^2 /NDF: 257625.9/14

Left Out: 365.355 $\pm$ 0.061 χ^2 /NDF: 618453.7/24

Right Out: 415.884 $\pm$ 0.088 χ^2 /NDF: 880134.7/16

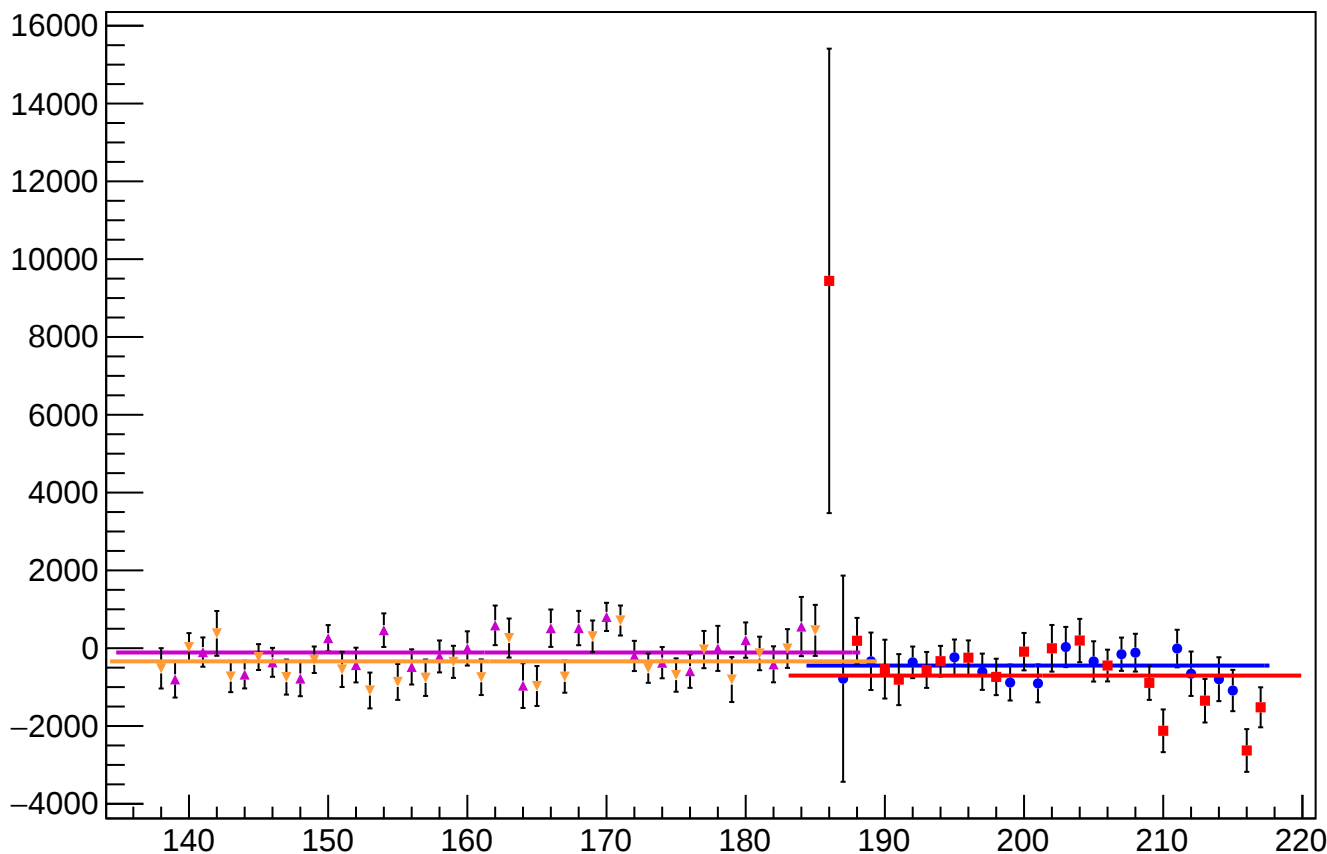
Left In: 366.925 $\pm$ 0.063 χ^2 /NDF: 478082.1/22

+ sign 382.559 $\pm$ 0.051 χ^2 /NDF: 1139106.5/39

All: 382.972 $\pm$ 0.036 χ^2 /NDF: 2702576.7/79

- sign 383.389 $\pm$ 0.051 χ^2 /NDF: 1563337.3/39

asym_sam_37_48_dd_mean vs Slug



Right In: -446.415 ± 131.794 χ^2/NDF : 6.8/14

Left Out: -338.528 ± 87.450 χ^2/NDF : 28.2/24

Right Out: -703.752 ± 126.107 χ^2/NDF : 36.3/16

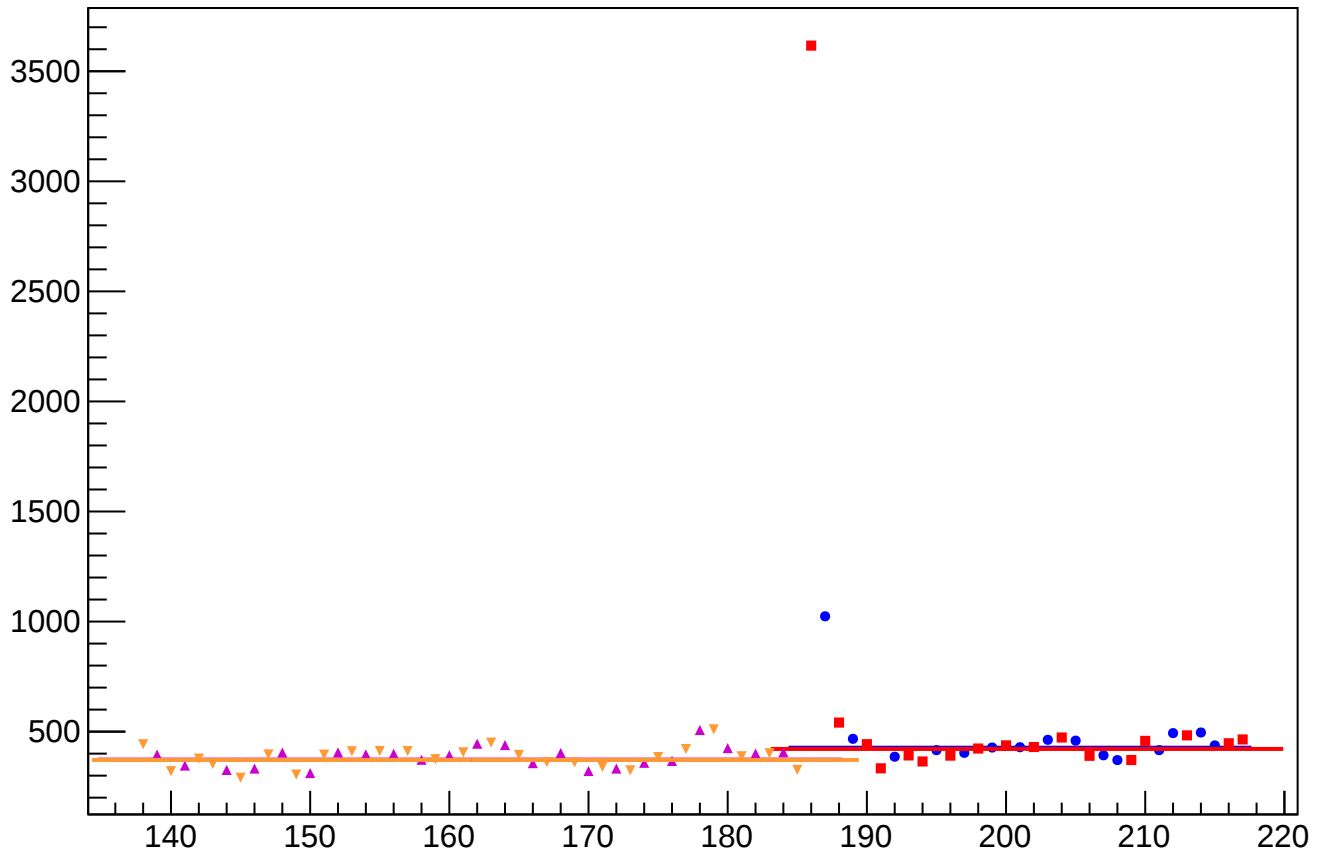
Left In: -110.341 ± 90.084 χ^2/NDF : 29.2/22

+ sign -371.508 ± 72.868 χ^2/NDF : 35.5/39

All: -341.354 ± 51.678 χ^2/NDF : 116.1/79

- sign -310.839 ± 73.302 χ^2/NDF : 80.2/39

asym_sam_37_48_dd_rms vs Slug



Right In: 426.948 $\pm$ 0.093 χ^2 /NDF: 249955.7/14

Left Out: 371.356 $\pm$ 0.062 χ^2 /NDF: 604070.6/24

Right Out: 421.297 $\pm$ 0.089 χ^2 /NDF: 862724.1/16

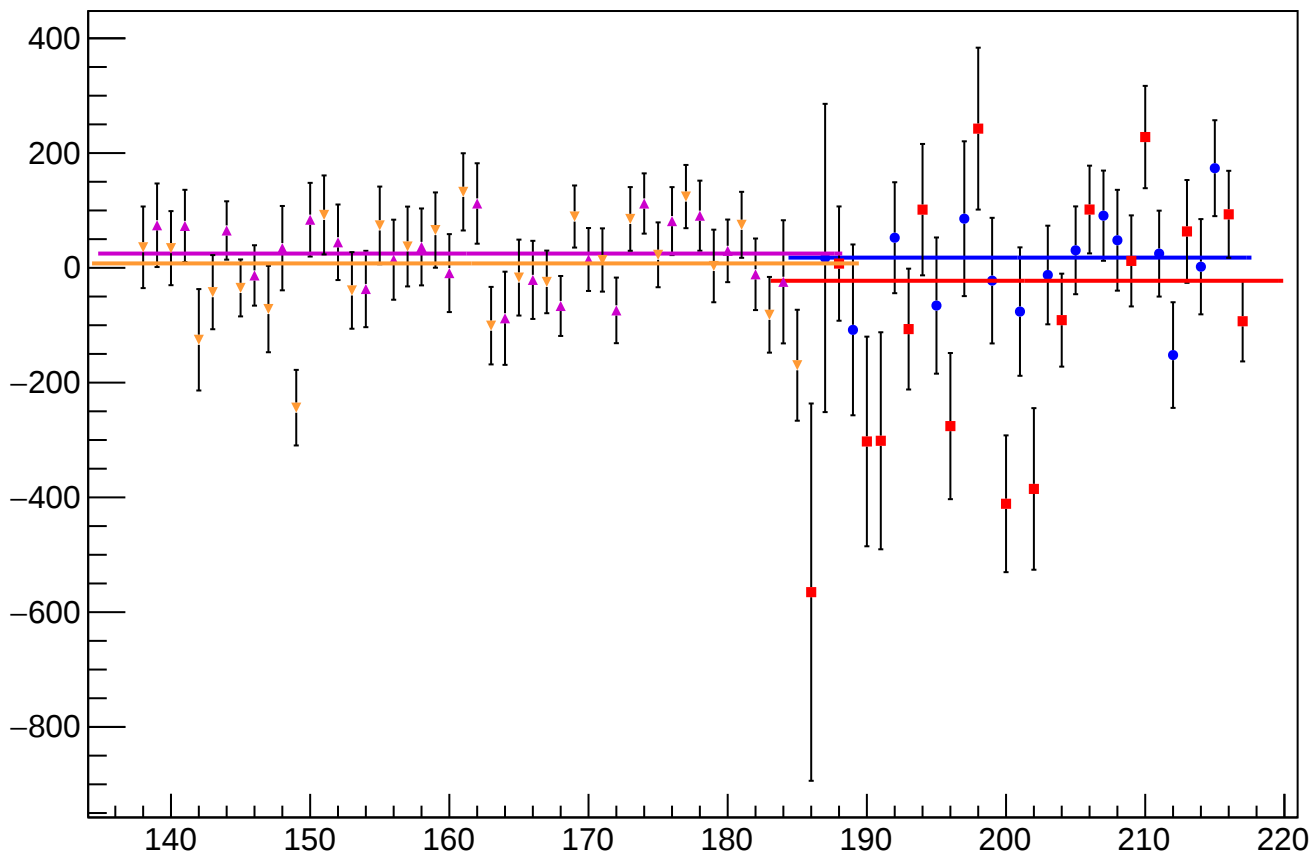
Left In: 372.938 $\pm$ 0.064 χ^2 /NDF: 467340.9/22

+ sign 388.350 $\pm$ 0.052 χ^2 /NDF: 1101091.2/39

All: 388.811 $\pm$ 0.037 χ^2 /NDF: 2626051.3/79

- sign 389.277 $\pm$ 0.052 χ^2 /NDF: 1524799.2/39

reg_asym_sam_15_26_dd_mean vs Slug



Right In: 17.827 $\pm$ 24.710 χ^2 /NDF: 10.5/14

Left Out: 7.723 $\pm$ 12.656 χ^2 /NDF: 45.4/24

Right Out: -22.538 $\pm$ 24.412 χ^2 /NDF: 49.6/16

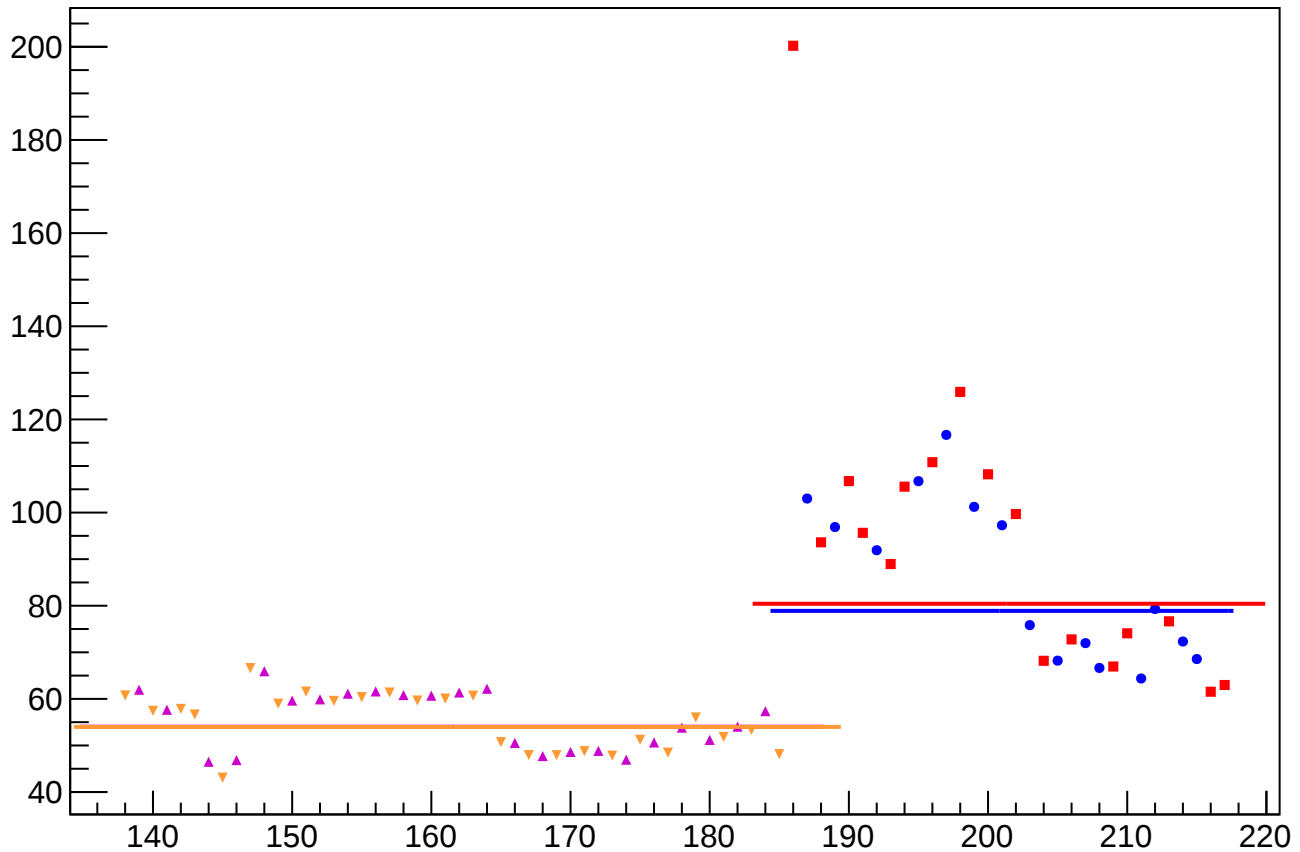
Left In: 24.887 $\pm$ 13.029 χ^2 /NDF: 19.7/22

+ sign 9.823 $\pm$ 11.264 χ^2 /NDF: 56.0/39

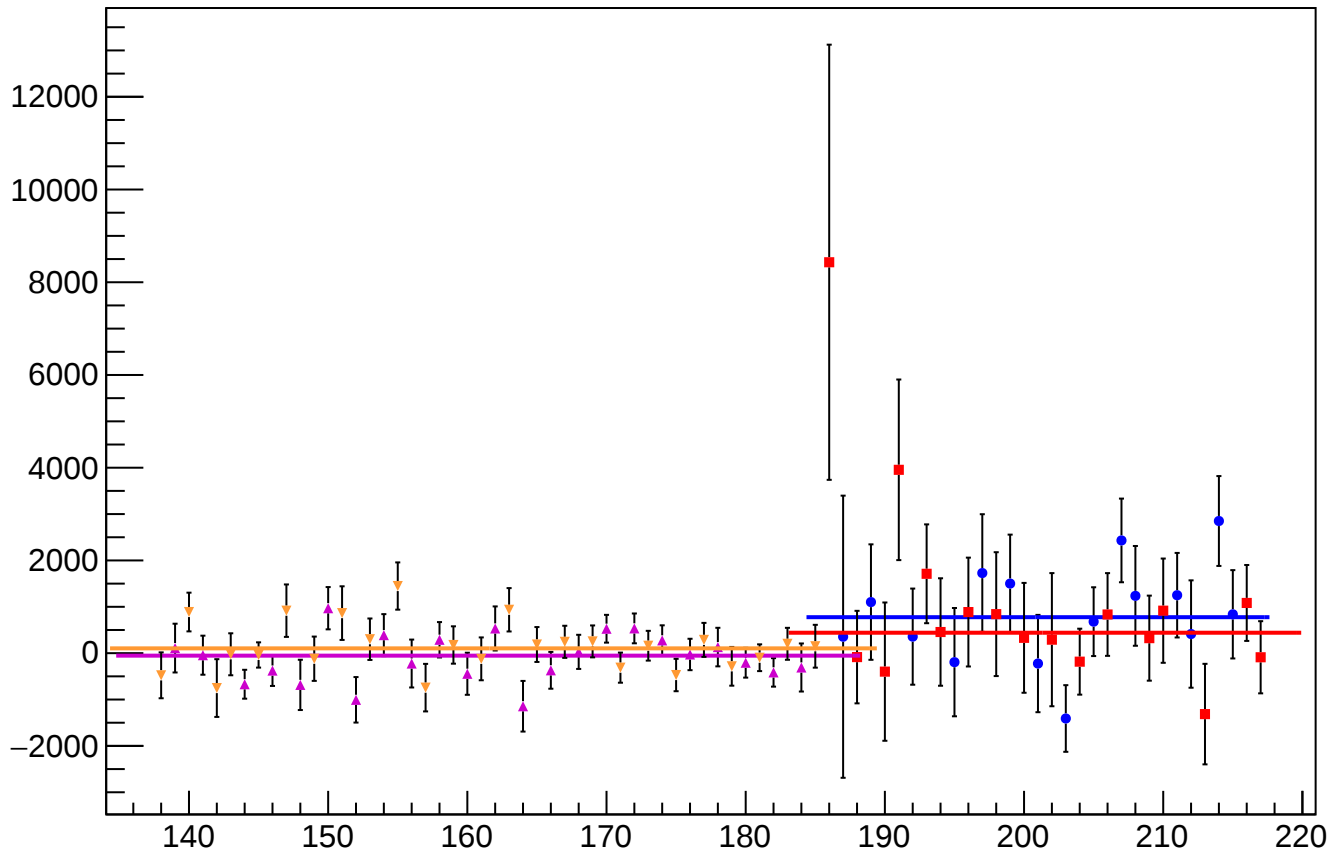
All: 12.052 $\pm$ 8.045 χ^2 /NDF: 128.4/79

- sign 14.374 $\pm$ 11.494 χ^2 /NDF: 72.3/39

reg_asym_sam_15_26_dd_rms vs Slug



asym_sam_15_26_dd_correction_mean vs Slug



Right In: 776.107 ± 259.906 χ^2/NDF : 20.6/14

Left Out: 103.768 ± 79.344 χ^2/NDF : 31.0/24

Right Out: 440.887 ± 257.528 χ^2/NDF : 13.3/16

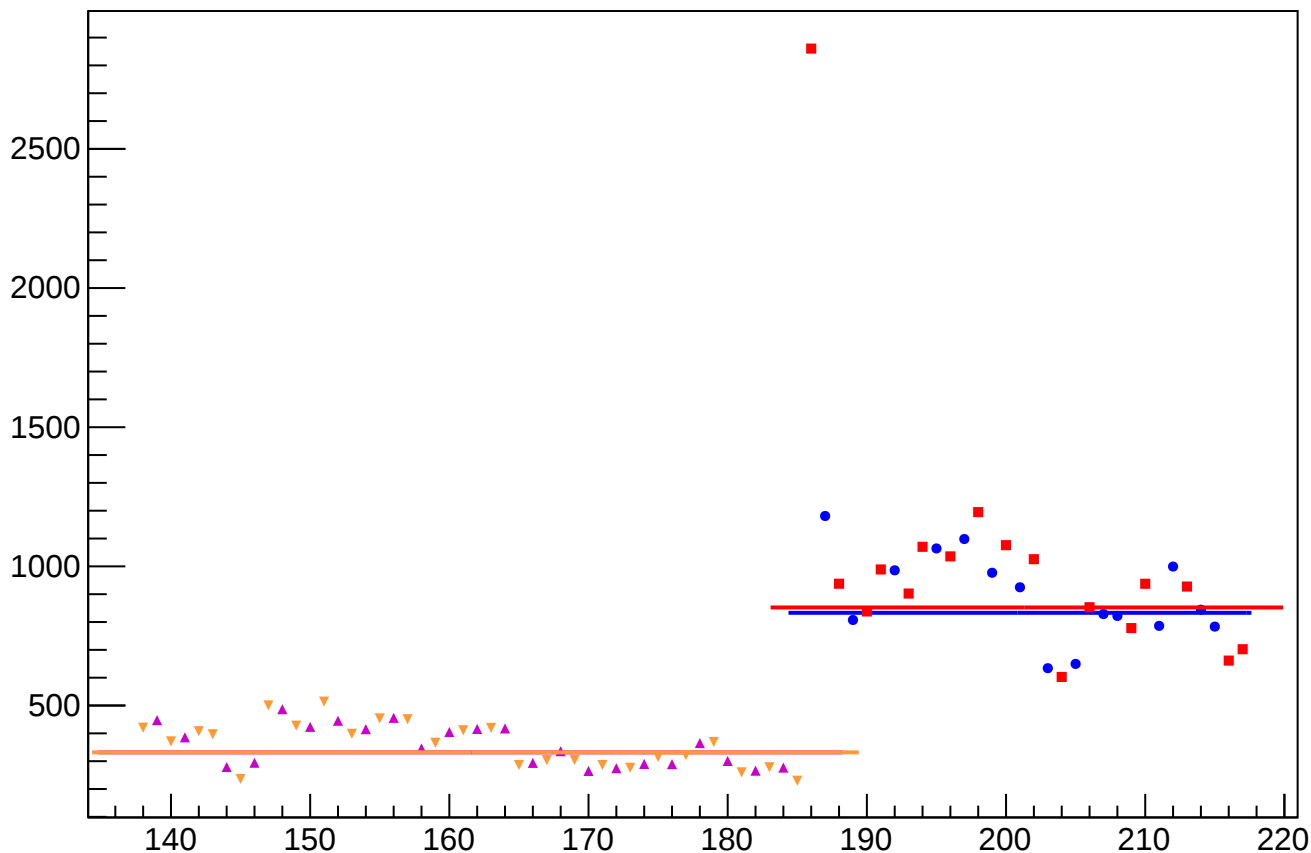
Left In: -53.493 ± 81.201 χ^2/NDF : 34.1/22

+ sign 161.085 ± 75.887 χ^2/NDF : 57.7/39

All: 77.873 ± 54.202 χ^2/NDF : 110.9/79

- sign -8.786 ± 77.443 χ^2/NDF : 50.7/39

asym_sam_15_26_dd_correction_rms vs Slug



Right In: 833.174 ± 0.184 χ^2/NDF : 616725.6/14

Left Out: 331.770 ± 0.056 χ^2/NDF : 1711721.9/24

Right Out: 852.319 ± 0.182 χ^2/NDF : 1210697.9/16

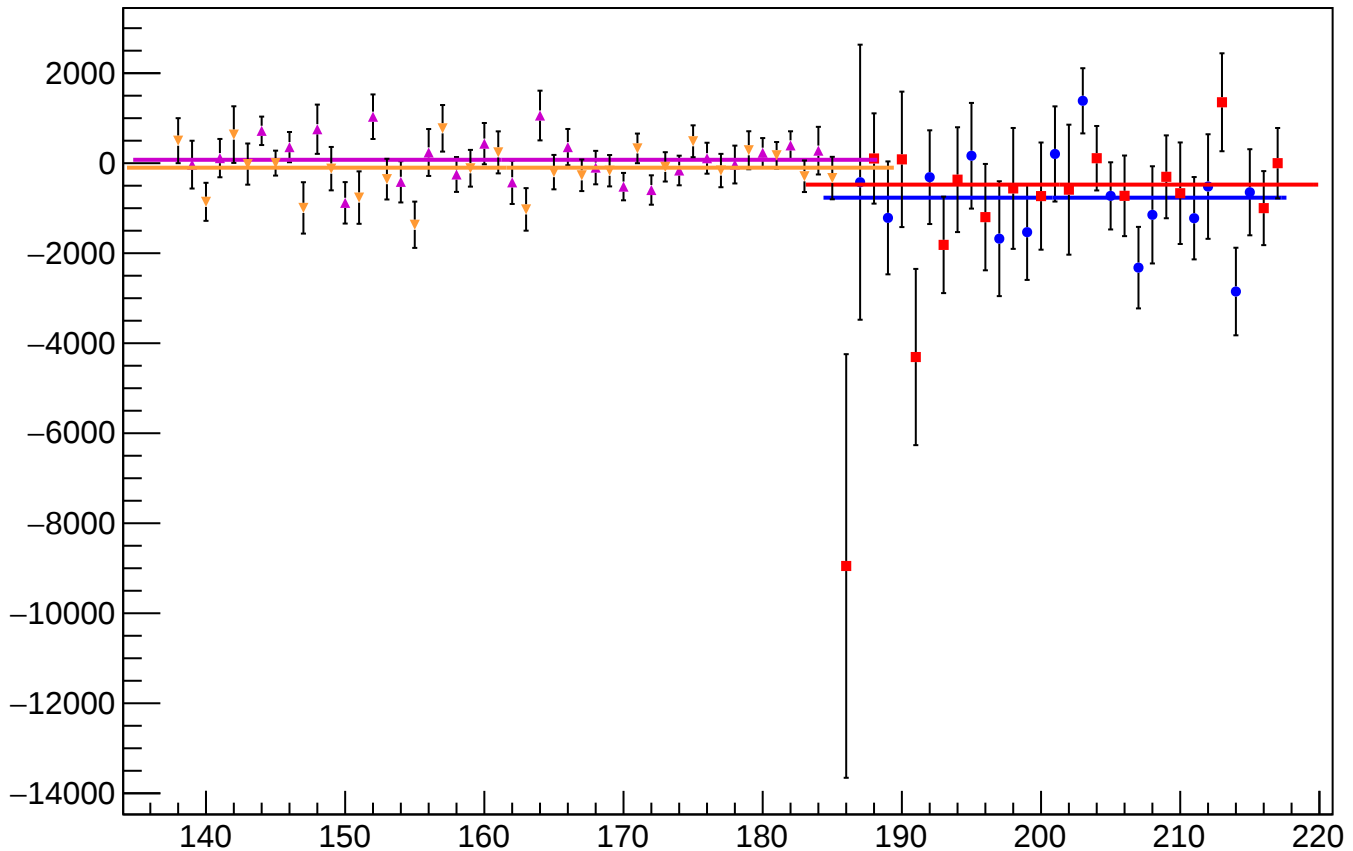
Left In: 331.666 ± 0.057 χ^2/NDF : 1303192.2/22

+ sign 374.515 ± 0.054 χ^2/NDF : 9137297.4/39

All: 376.589 ± 0.038 χ^2/NDF : 19089846.6/79

- sign 378.748 ± 0.055 χ^2/NDF : 9949500.7/39

asym_sam_15_26_dd_mean vs Slug



Right In: -766.361 ± 261.274 χ^2/NDF : 19.6/14

Left Out: -99.785 ± 80.428 χ^2/NDF : 30.7/24

Right Out: -475.952 ± 258.827 χ^2/NDF : 14.0/16

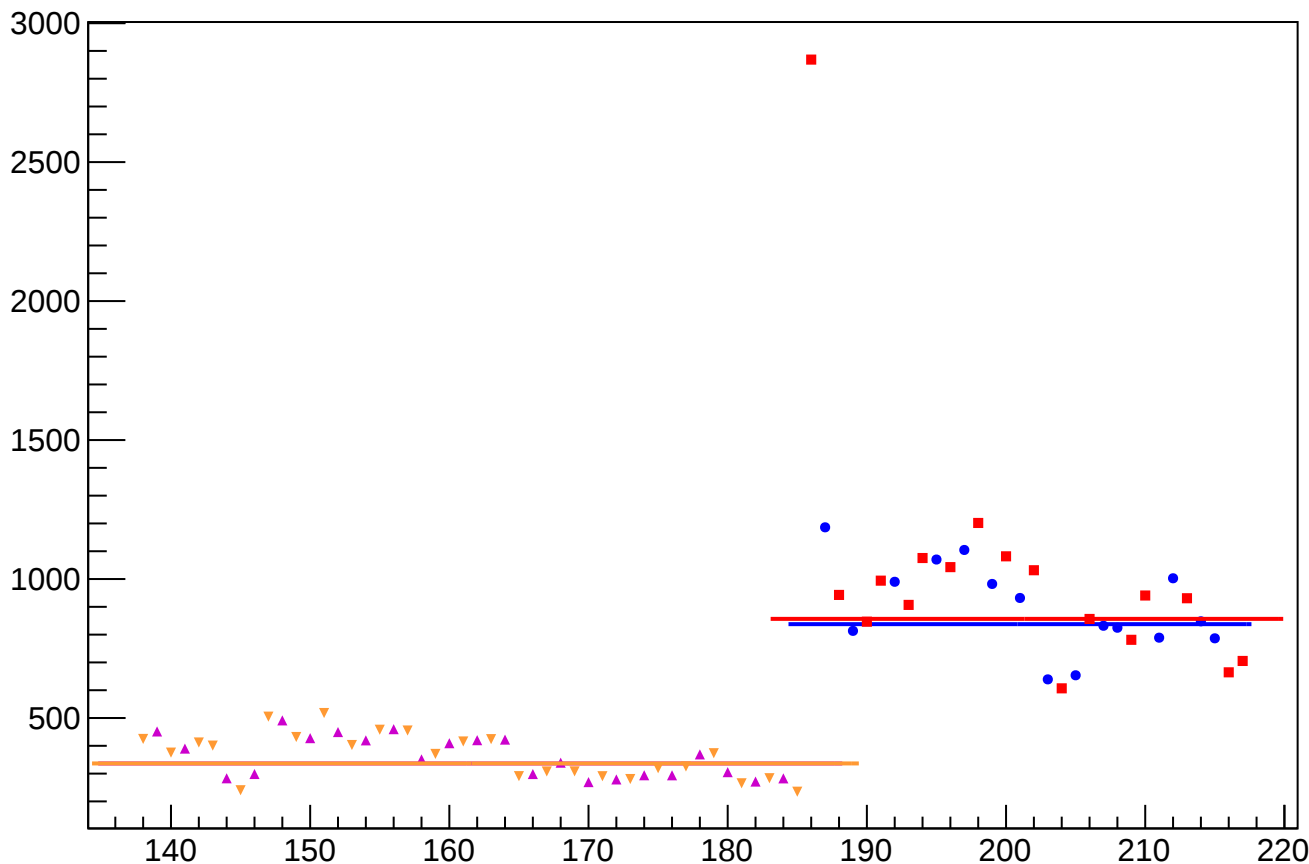
Left In: 75.579 ± 82.319 χ^2/NDF : 32.1/22

+ sign -157.482 ± 76.868 χ^2/NDF : 56.2/39

All: -68.137 ± 54.904 χ^2/NDF : 109.2/79

- sign 24.915 ± 78.447 χ^2/NDF : 50.2/39

asym_sam_15_26_dd_rms vs Slug



Right In: 837.675+/-0.185 χ^2/NDF : 612748.7/14

Left Out: 336.557+/-0.057 χ^2/NDF : 1665919.4/24

Right Out: 856.685+/-0.183 χ^2/NDF : 1209552.8/16

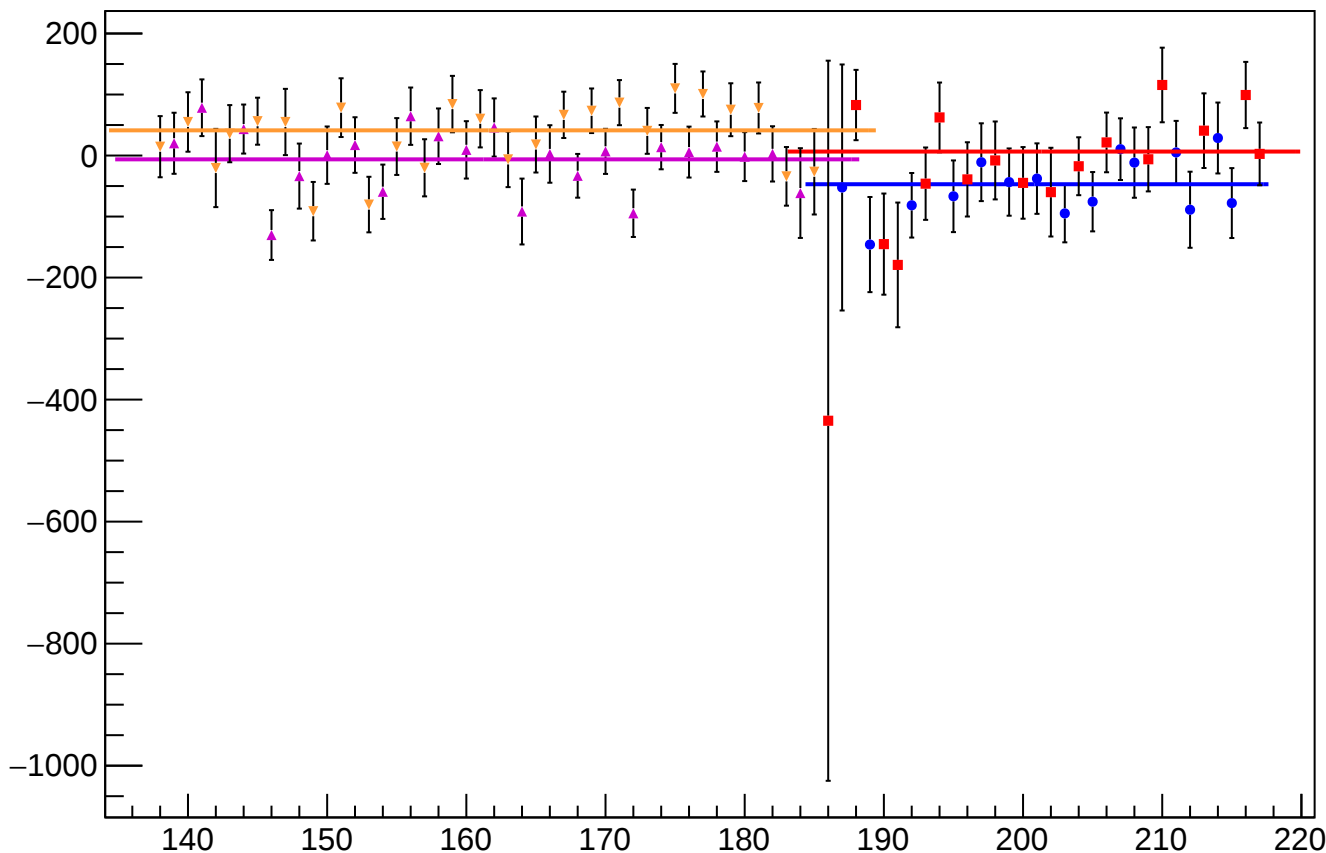
Left In: 336.439+/-0.058 χ^2/NDF : 1269066.3/22

+ sign 379.933+/-0.054 χ^2/NDF : 8999116.4/39

All: 382.037+/-0.039 χ^2/NDF : 18818802.4/79

- sign 384.229+/-0.055 χ^2/NDF : 9816625.2/39

reg_asym_sam_37_26_dd_mean vs Slug



Right In: -47.024 $\pm$ 14.900 χ^2/NDF : 9.0/14

Left Out: 41.283 $\pm$ 8.889 χ^2/NDF : 34.4/24

Right Out: 6.520 $\pm$ 14.735 χ^2/NDF : 19.8/16

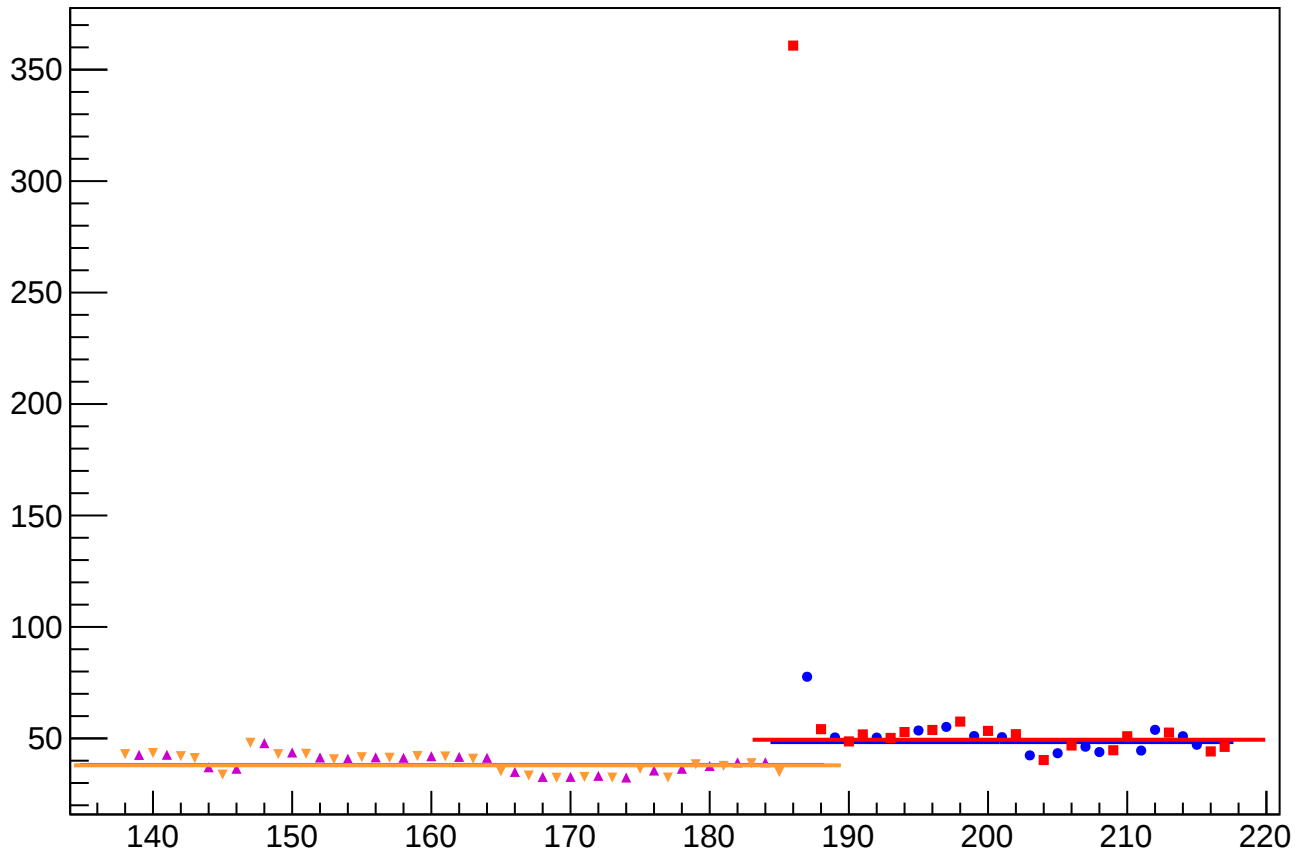
Left In: -6.254 $\pm$ 9.175 χ^2/NDF : 30.3/22

+ sign 18.104 $\pm$ 7.634 χ^2/NDF : 69.3/39

All: 7.917 $\pm$ 5.452 χ^2/NDF : 123.5/79

- sign -2.685 $\pm$ 7.788 χ^2/NDF : 50.6/39

reg_asym_sam_37_26_dd_rms vs Slug



Right In: 48.347 $\pm$ 0.011 χ^2 /NDF: 192405.7/14

Left Out: 37.925 $\pm$ 0.006 χ^2 /NDF: 487085.3/24

Right Out: 49.399 $\pm$ 0.010 χ^2 /NDF: 762104.6/16

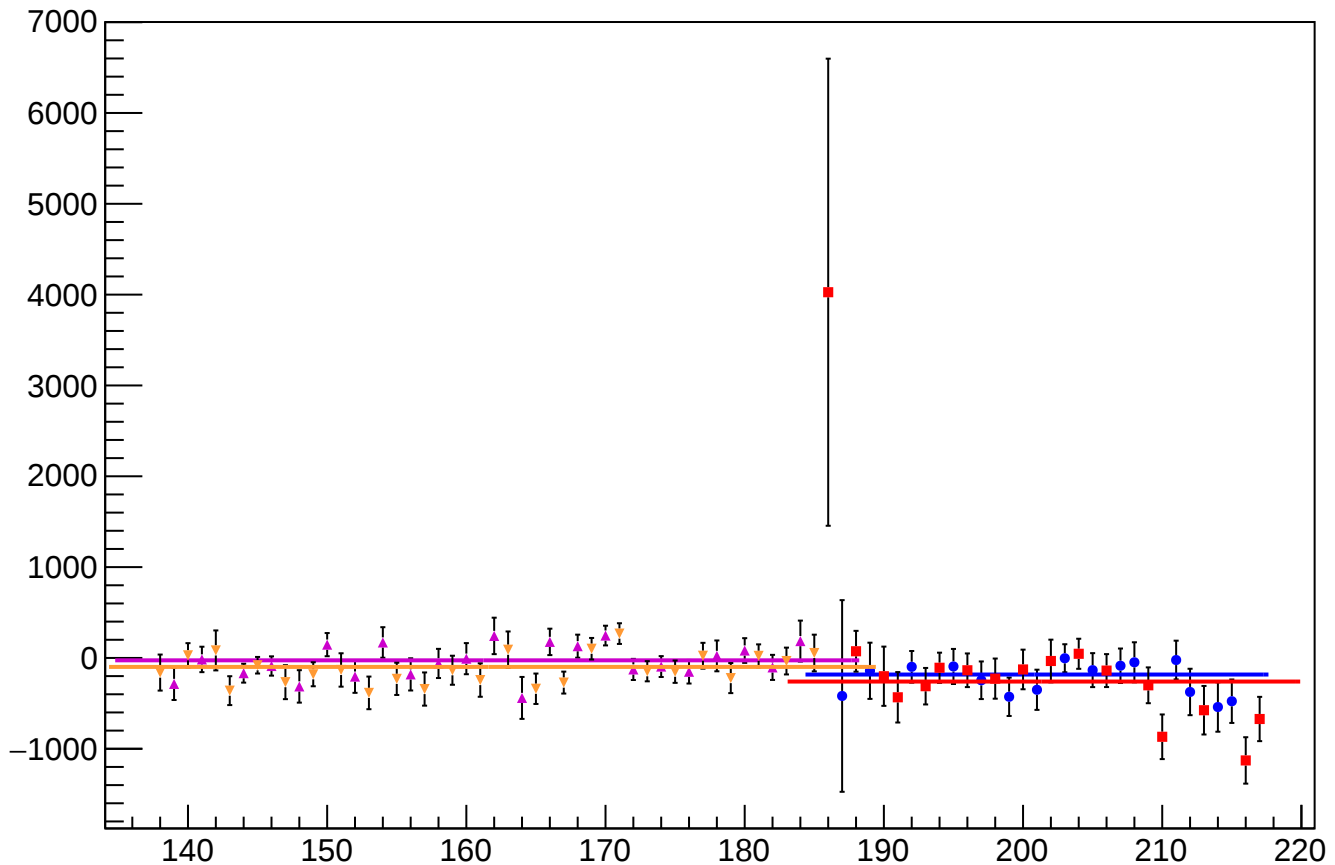
Left In: 38.087 $\pm$ 0.006 χ^2 /NDF: 396334.5/22

+ sign 40.661 $\pm$ 0.005 χ^2 /NDF: 1401146.0/39

All: 40.948 $\pm$ 0.004 χ^2 /NDF: 3414661.2/79

- sign 41.247 $\pm$ 0.006 χ^2 /NDF: 2007730.4/39

asym_sam_37_26_dd_correction_mean vs Slug



Right In: -182.619 ± 55.504 χ^2/NDF : 8.9/14

Left Out: -98.741 ± 29.095 χ^2/NDF : 32.7/24

Right Out: -259.848 ± 53.650 χ^2/NDF : 33.9/16

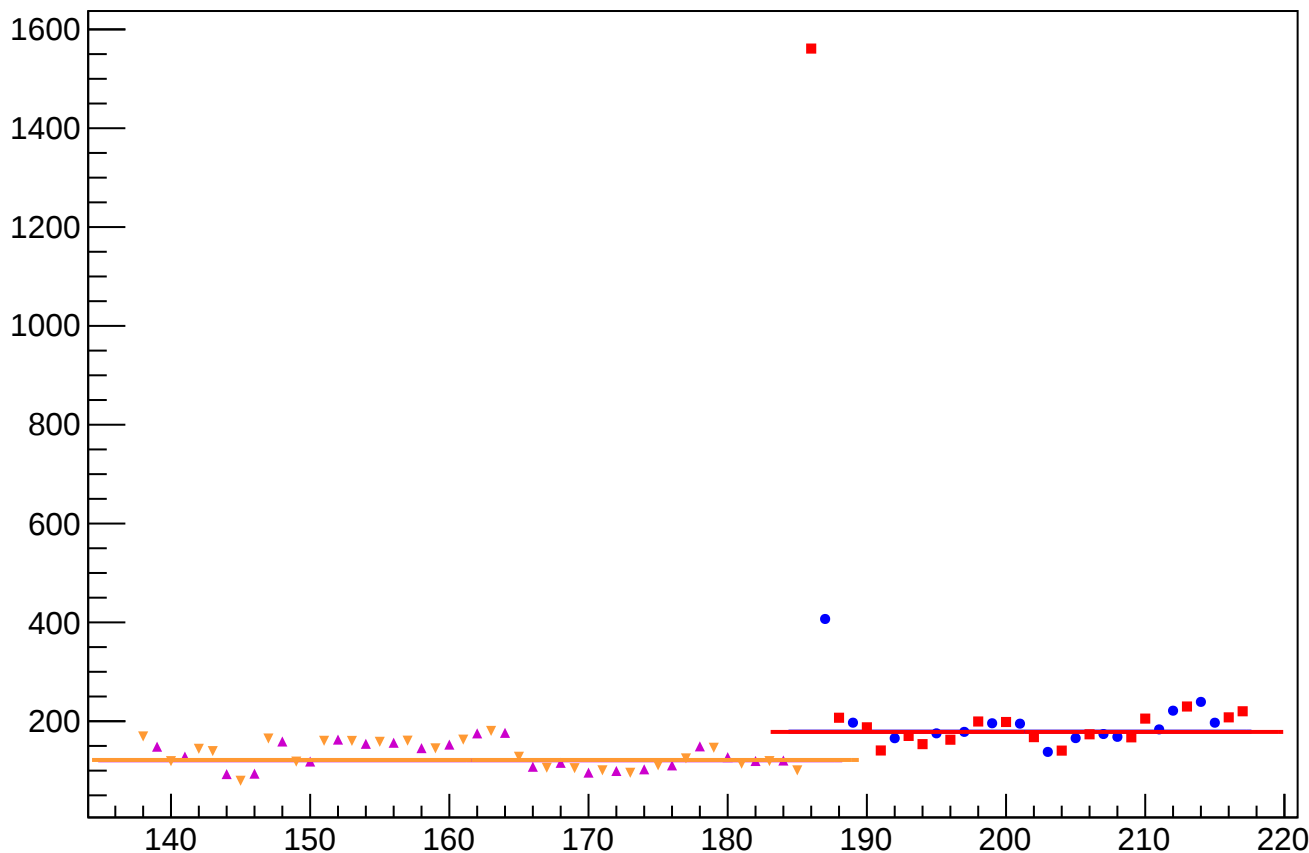
Left In: -26.223 ± 29.676 χ^2/NDF : 30.7/22

+ sign -116.821 ± 25.769 χ^2/NDF : 43.5/39

All: -99.026 ± 18.291 χ^2/NDF : 123.5/79

- sign -80.956 ± 25.968 χ^2/NDF : 79.1/39

asym_sam_37_26_dd_correction_rms vs Slug



Right In: 178.897 $\pm$ 0.039 χ^2 /NDF: 458672.0/14

Left Out: 121.592 $\pm$ 0.021 χ^2 /NDF:1711423.9/24

Right Out: 178.333 $\pm$ 0.038 χ^2 /NDF: 1046076.6/16

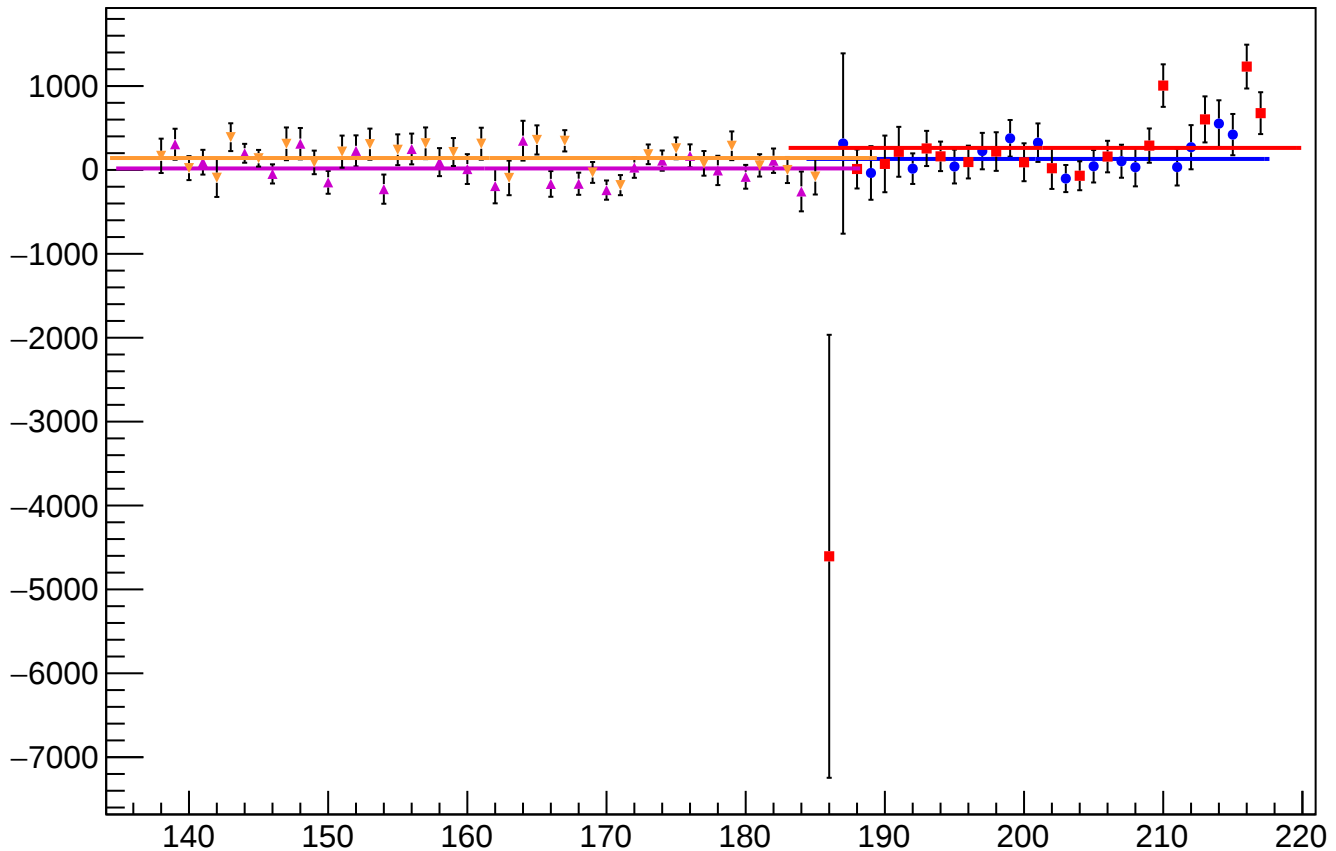
Left In: 120.927 $\pm$ 0.021 χ^2 /NDF:1382861.4/22

+ sign 133.944 $\pm$ 0.018 χ^2 /NDF: 3842448.0/39

All: 134.158 $\pm$ 0.013 χ^2 /NDF: 8025090.3/79

- sign 134.376 $\pm$ 0.018 χ^2 /NDF: 4182363.7/39

asym_sam_37_26_dd_mean vs Slug



Right In: 130.999 ± 57.626 χ^2/NDF : 9.7/14

Left Out: 142.014 ± 30.574 χ^2/NDF : 26.9/24

Right Out: 262.521 ± 55.873 χ^2/NDF : 38.2/16

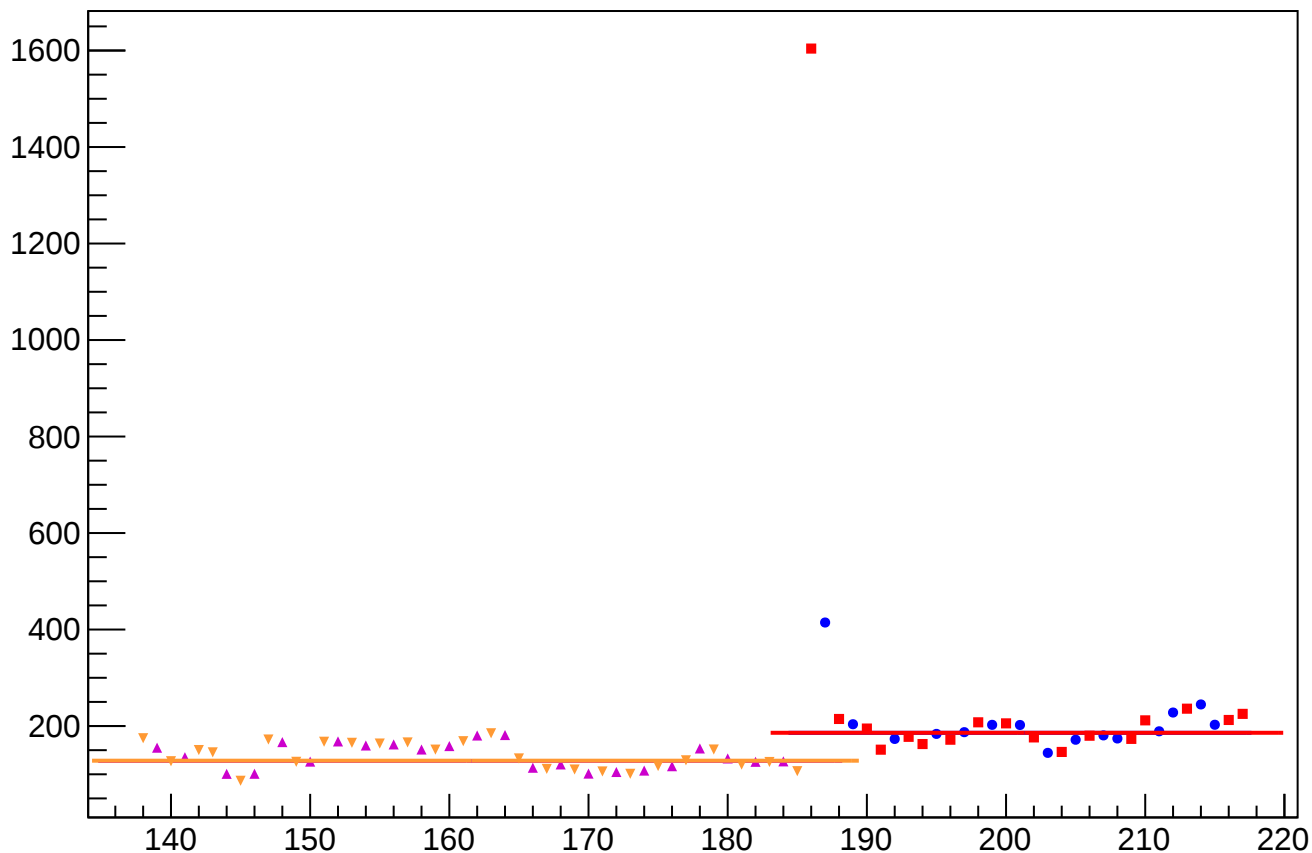
Left In: 17.679 ± 31.209 χ^2/NDF : 30.1/22

+ sign 139.595 ± 27.008 χ^2/NDF : 36.6/39

All: 108.028 ± 19.181 χ^2/NDF : 122.4/79

- sign 75.902 ± 27.246 χ^2/NDF : 83.0/39

asym_sam_37_26_dd_rms vs Slug



Right In: 185.919 $\pm$ 0.041 χ^2 /NDF: 428298.4/14

Left Out: 128.175 $\pm$ 0.022 χ^2 /NDF:1532922.0/24

Right Out: 186.027 $\pm$ 0.040 χ^2 /NDF: 994046.0/16

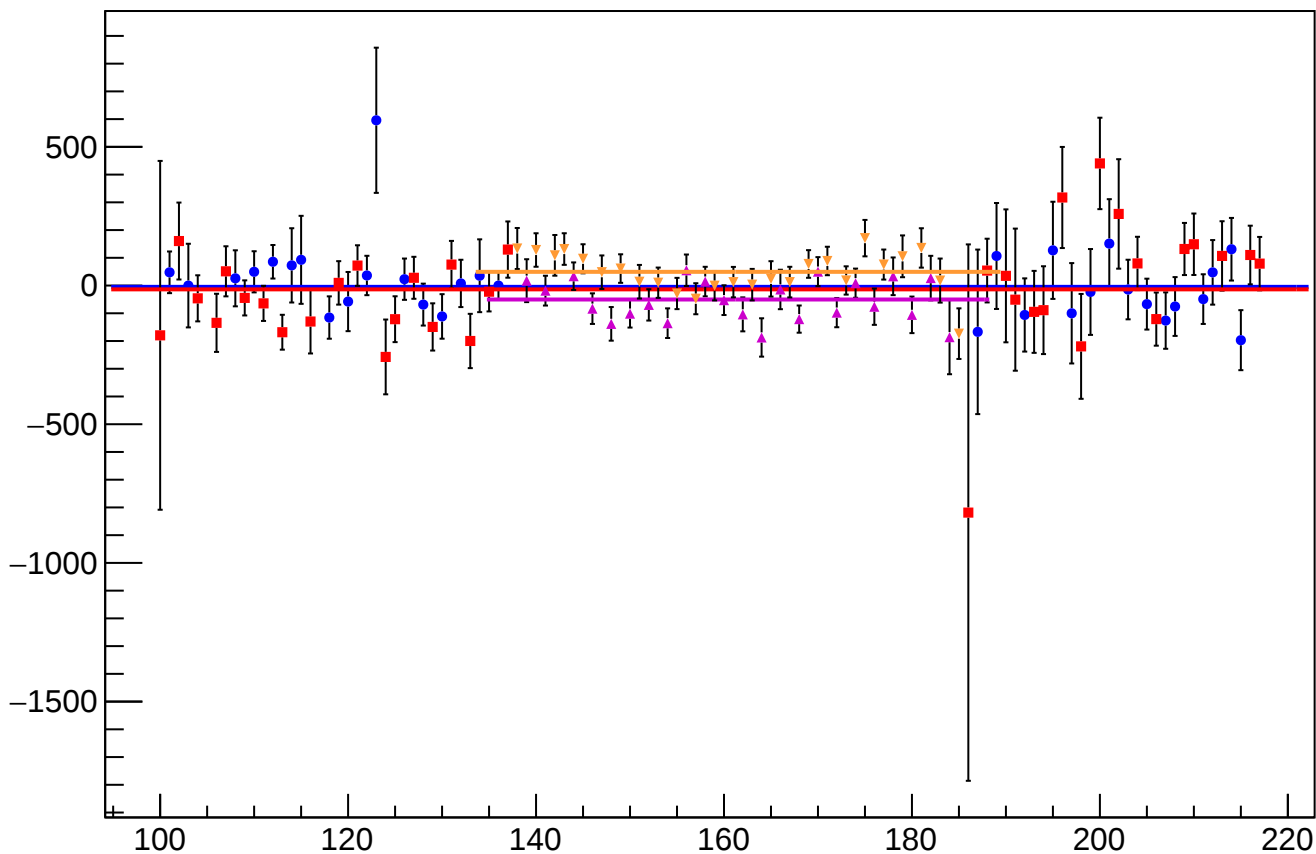
Left In: 127.544 $\pm$ 0.022 χ^2 /NDF:1235705.3/22

+ sign 140.859 $\pm$ 0.019 χ^2 /NDF: 3528281.9/39

All: 141.153 $\pm$ 0.014 χ^2 /NDF: 7428666.0/79

- sign 141.451 $\pm$ 0.019 χ^2 /NDF: 3899908.3/39

reg_asym_sam_1357_avg_mean vs Slug



Right In: -4.719 ± 17.031 χ^2/NDF : 25.2/31

Left Out: 49.402 ± 11.806 χ^2/NDF : 28.1/24

Right Out: -13.796 ± 16.597 χ^2/NDF : 53.1/35

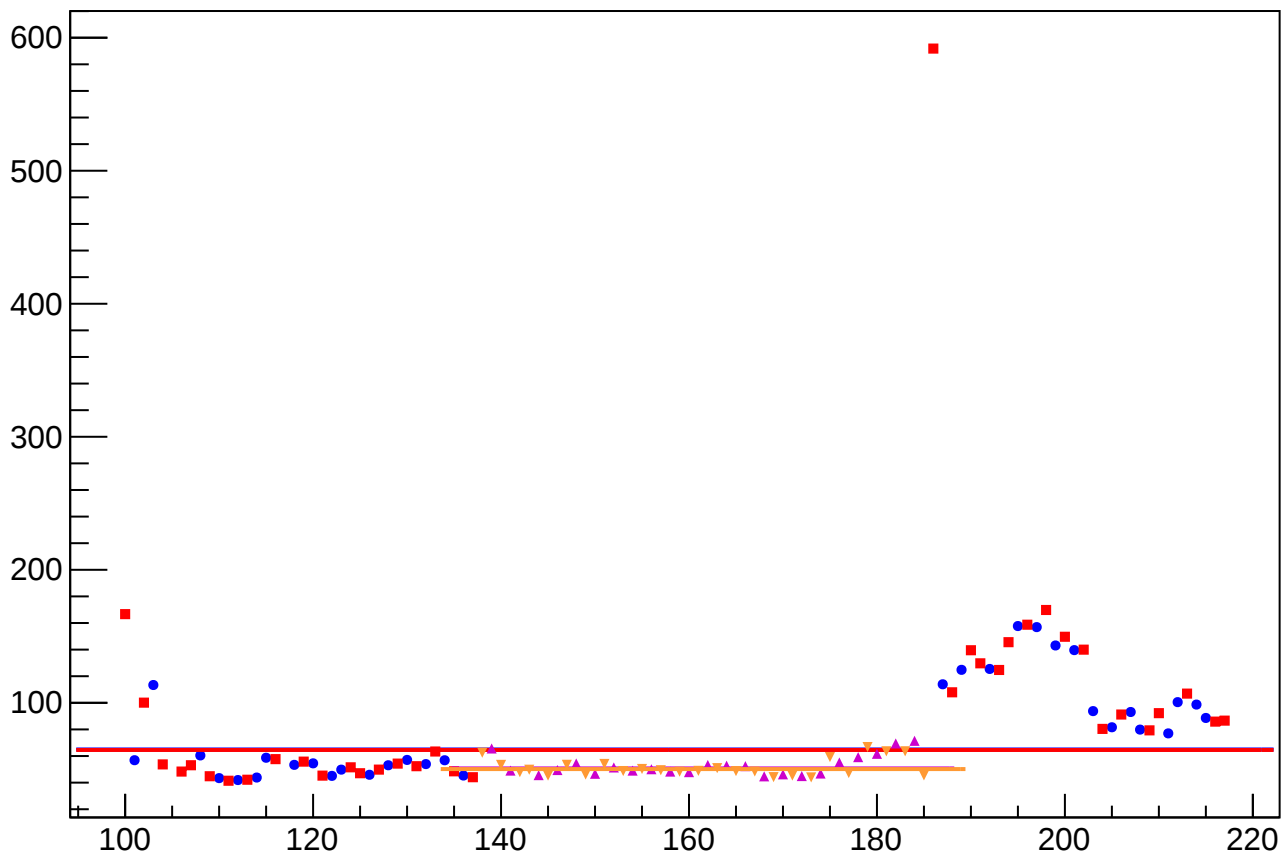
Left In: -50.331 ± 12.253 χ^2/NDF : 32.2/22

+ sign 31.836 ± 9.702 χ^2/NDF : 60.1/56

All: -2.252 ± 6.915 χ^2/NDF : 173.6/115

- sign -37.442 ± 9.858 χ^2/NDF : 88.5/58

reg_asym_sam_1357_avg_rms vs Slug



Right In: 64.914 $\pm$ 0.012 χ^2 /NDF: 5119465.0/31

Left Out: 50.189 $\pm$ 0.008 χ^2 /NDF: 467679.2/24

Right Out: 64.560 $\pm$ 0.012 χ^2 /NDF: 6460048.8/35

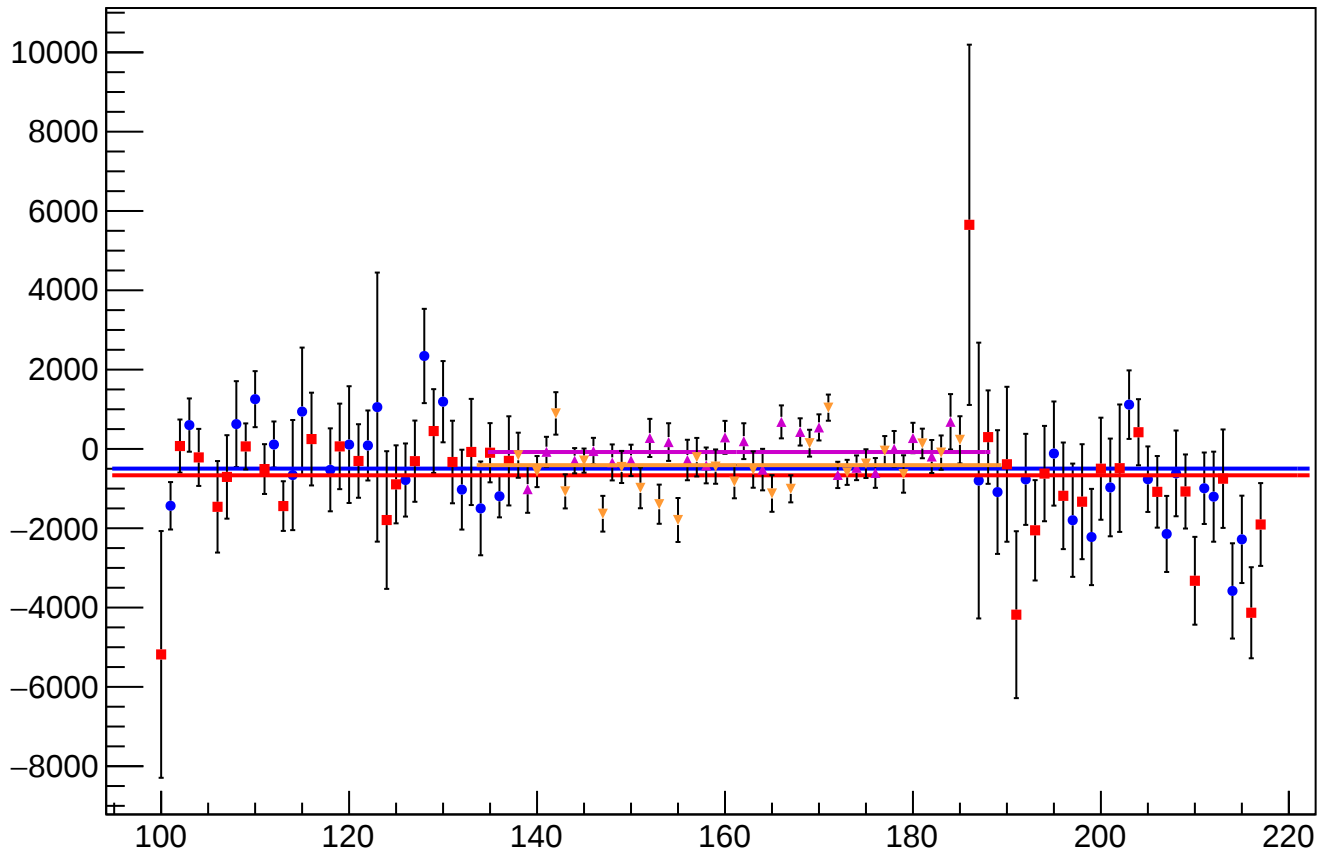
Left In: 50.683 $\pm$ 0.009 χ^2 /NDF: 469292.3/22

+ sign 54.968 $\pm$ 0.007 χ^2 /NDF: 6596887.9/56

All: 55.269 $\pm$ 0.005 χ^2 /NDF: 14435030.9/115

- sign 55.579 $\pm$ 0.007 χ^2 /NDF: 7834250.2/58

asym_sam_1357_avg_correction_mean vs Slug



Right In: -496.035 ± 170.338 χ^2/NDF : 46.0/31

Left Out: -409.164 ± 82.348 χ^2/NDF : 61.7/24

Right Out: -664.974 ± 167.680 χ^2/NDF : 36.7/35

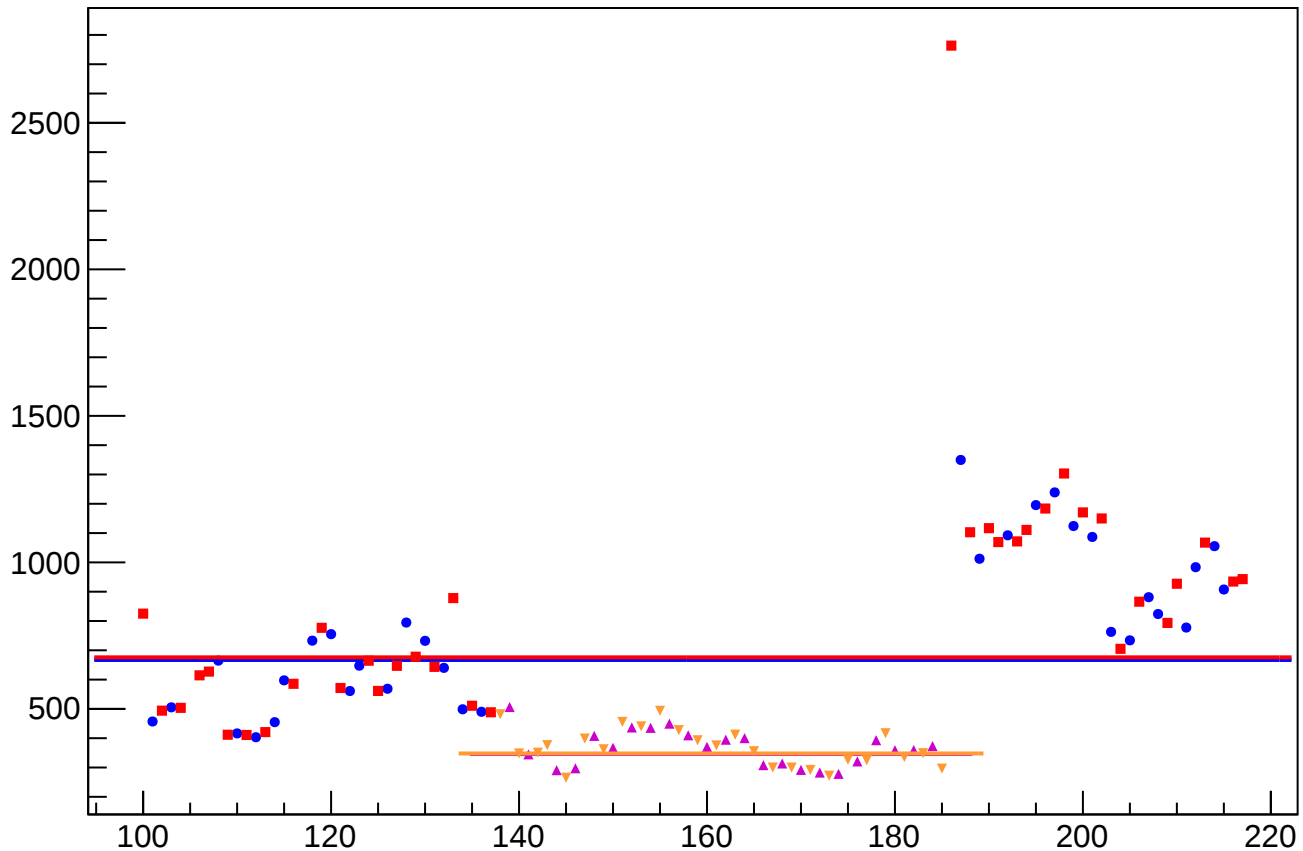
Left In: -77.872 ± 84.072 χ^2/NDF : 24.8/22

+ sign -425.621 ± 74.139 χ^2/NDF : 107.9/56

All: -312.280 ± 52.780 χ^2/NDF : 184.0/115

- sign -195.813 ± 75.155 χ^2/NDF : 71.3/58

asym_sam_1357_avg_correction_rms vs Slug



Right In: 667.097 $\pm$ 0.120 χ^2 /NDF: 3716048.8/31

Left Out: 347.875 $\pm$ 0.058 χ^2 /NDF:1044096.7/24

Right Out: 675.957 $\pm$ 0.119 χ^2 /NDF: 4764922.9/35

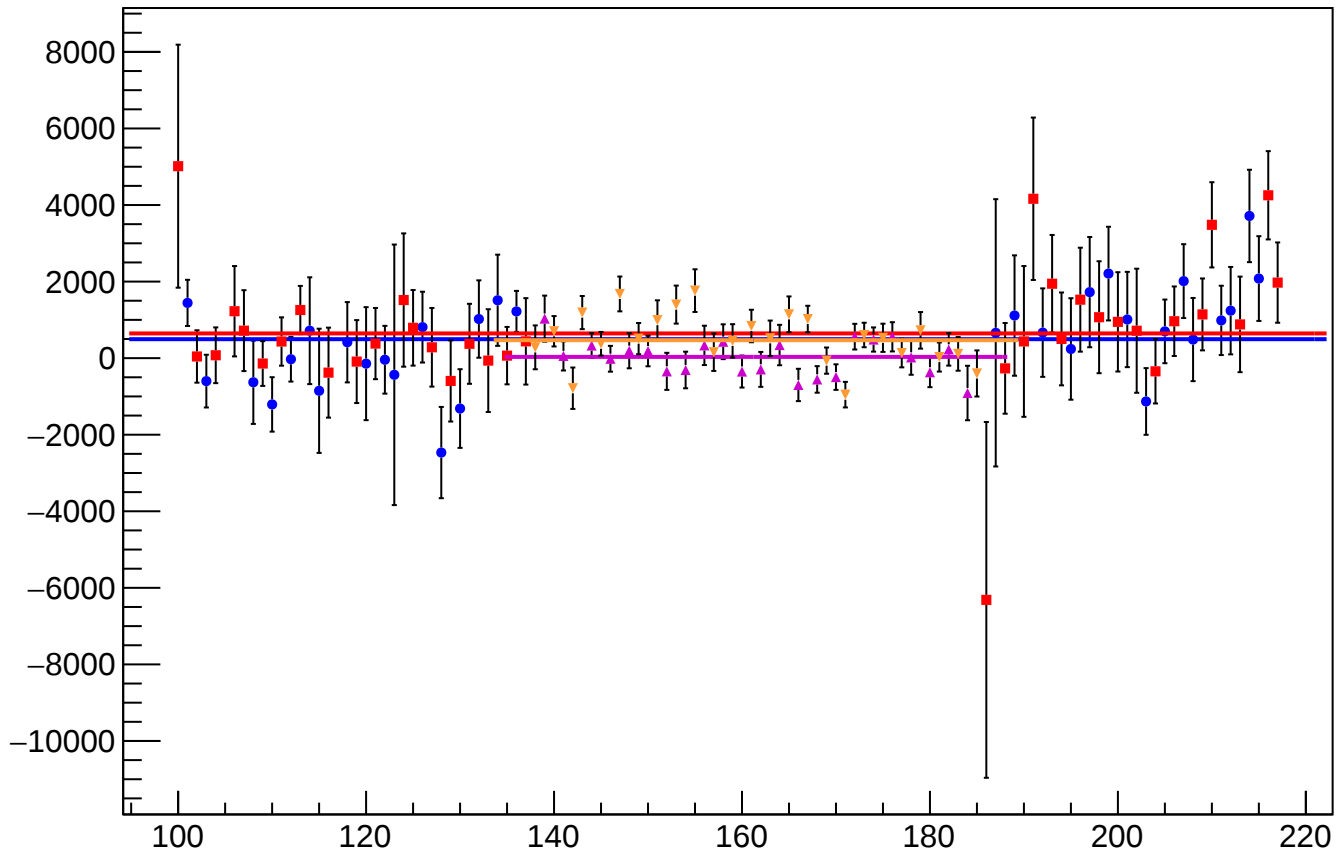
Left In: 345.954 $\pm$ 0.059 χ^2 /NDF:900847.0/22

+ sign 408.348 $\pm$ 0.052 χ^2 /NDF: 10453609.8/56

All: 410.271 $\pm$ 0.037 χ^2 /NDF: 22312378.5/11

- sign 412.247 $\pm$ 0.053 χ^2 /NDF: 11856041.0/58

asym_sam_1357_avg_mean vs Slug



Right In: 495.363 ± 171.514 χ^2/NDF : 45.2/31

Left Out: 468.863 ± 83.295 χ^2/NDF : 57.5/24

Right Out: 645.551 ± 168.914 χ^2/NDF : 37.4/35

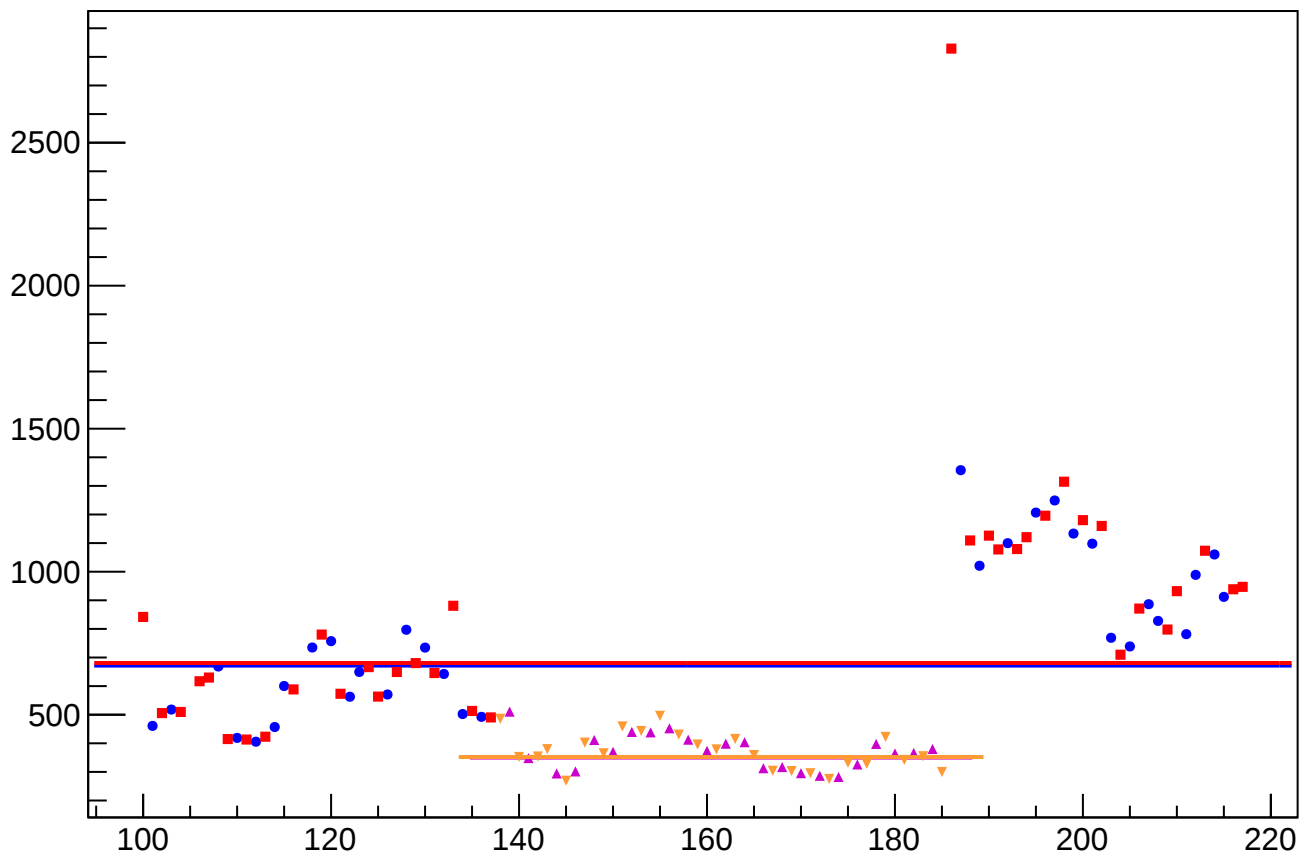
Left In: 32.801 ± 85.064 χ^2/NDF : 25.7/22

+ sign 473.920 ± 74.927 χ^2/NDF : 102.7/56

All: 317.540 ± 53.348 χ^2/NDF : 185.1/115

- sign 156.760 ± 75.974 χ^2/NDF : 73.6/58

asym_sam_1357_avg_rms vs Slug



Right In: 671.816+/-0.121 χ^2/NDF : 3706218.5/31

Left Out: 352.015+/-0.059 χ^2/NDF : 1017195.6/24

Right Out: 680.785+/-0.119 χ^2/NDF : 4759520.5/35

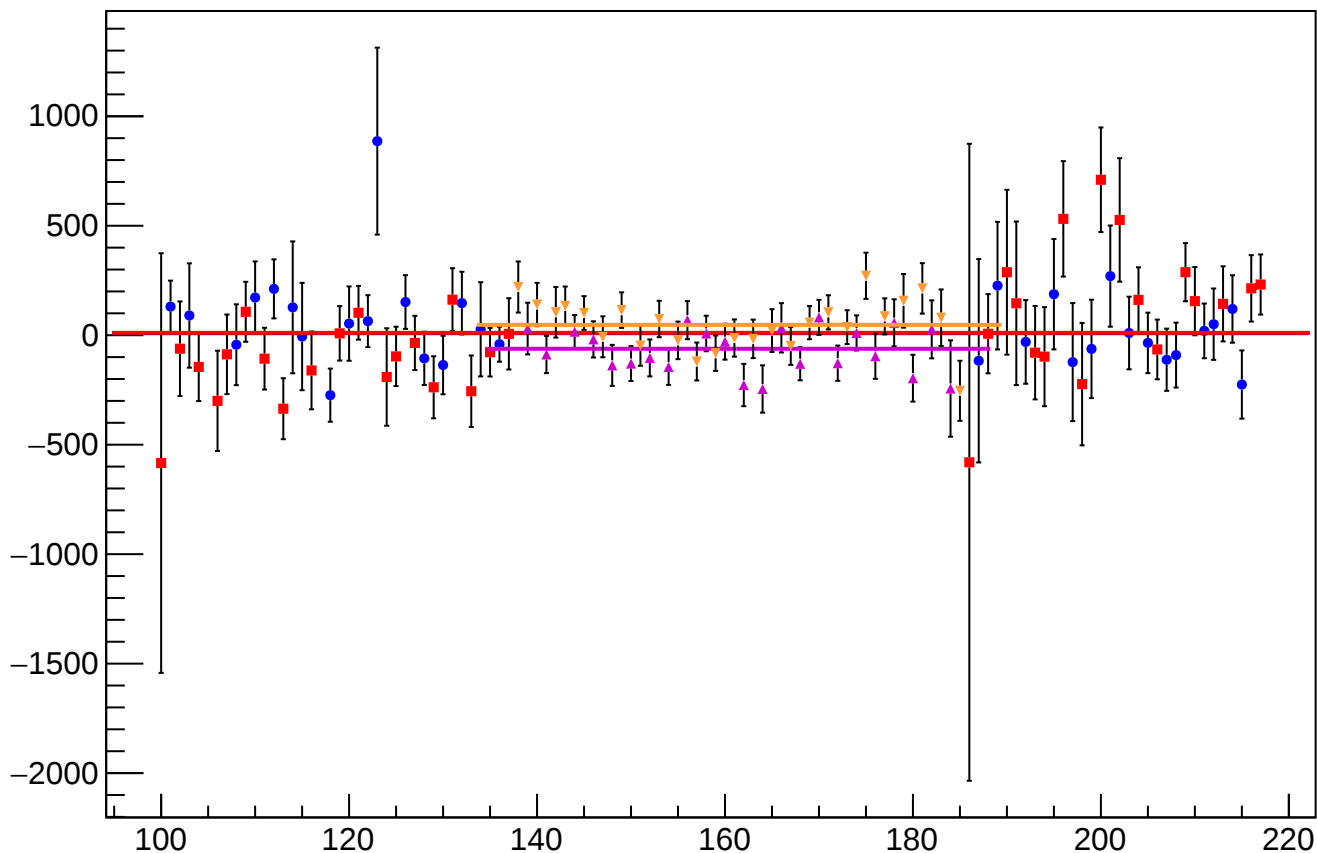
Left In: 350.160+/-0.060 χ^2/NDF : 878380.0/22

+ sign 413.047+/-0.053 χ^2/NDF : 10349740.6/56

All: 415.018+/-0.038 χ^2/NDF : 22102804.5/11

- sign 417.046+/-0.054 χ^2/NDF : 11750254.8/58

reg_asym_sam_2468_avg_mean vs Slug



Right In: 9.386 ± 27.585 χ^2/NDF : 26.3/31

Left Out: 47.426 ± 18.253 χ^2/NDF : 29.4/24

Right Out: 10.836 ± 27.767 χ^2/NDF : 50.9/35

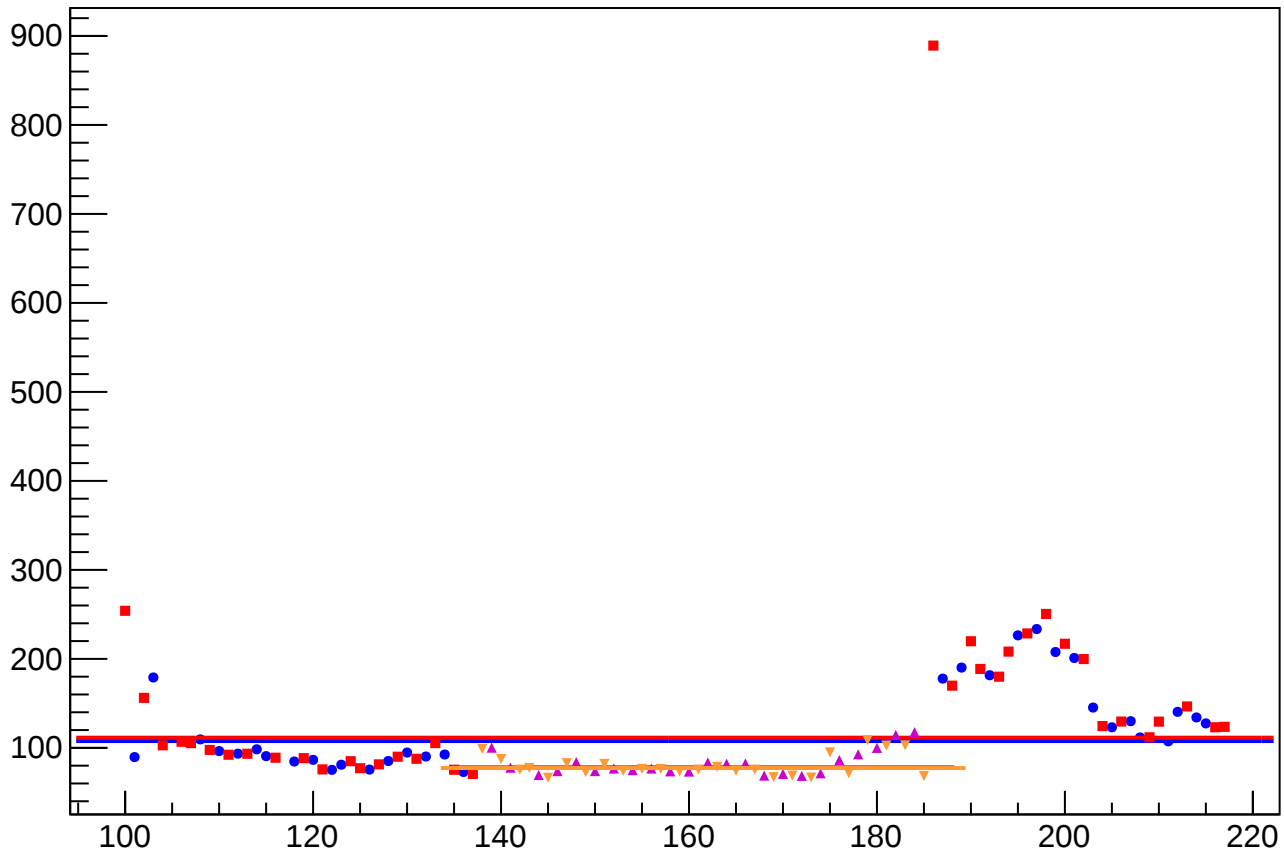
Left In: -61.830 ± 18.958 χ^2/NDF : 24.0/22

+ sign 35.842 ± 15.222 χ^2/NDF : 57.0/56

All: -0.393 ± 10.914 χ^2/NDF : 148.1/115

- sign -38.726 ± 15.657 χ^2/NDF : 79.5/58

reg_asym_sam_2468_avg_rms vs Slug



Right In: 107.668 $\pm$ 0.020 χ^2 /NDF: 3629240.6/31

Left Out: 77.316 $\pm$ 0.013 χ^2 /NDF:635622.3/24

Right Out: 111.441 $\pm$ 0.020 χ^2 /NDF: 4481142.1/35

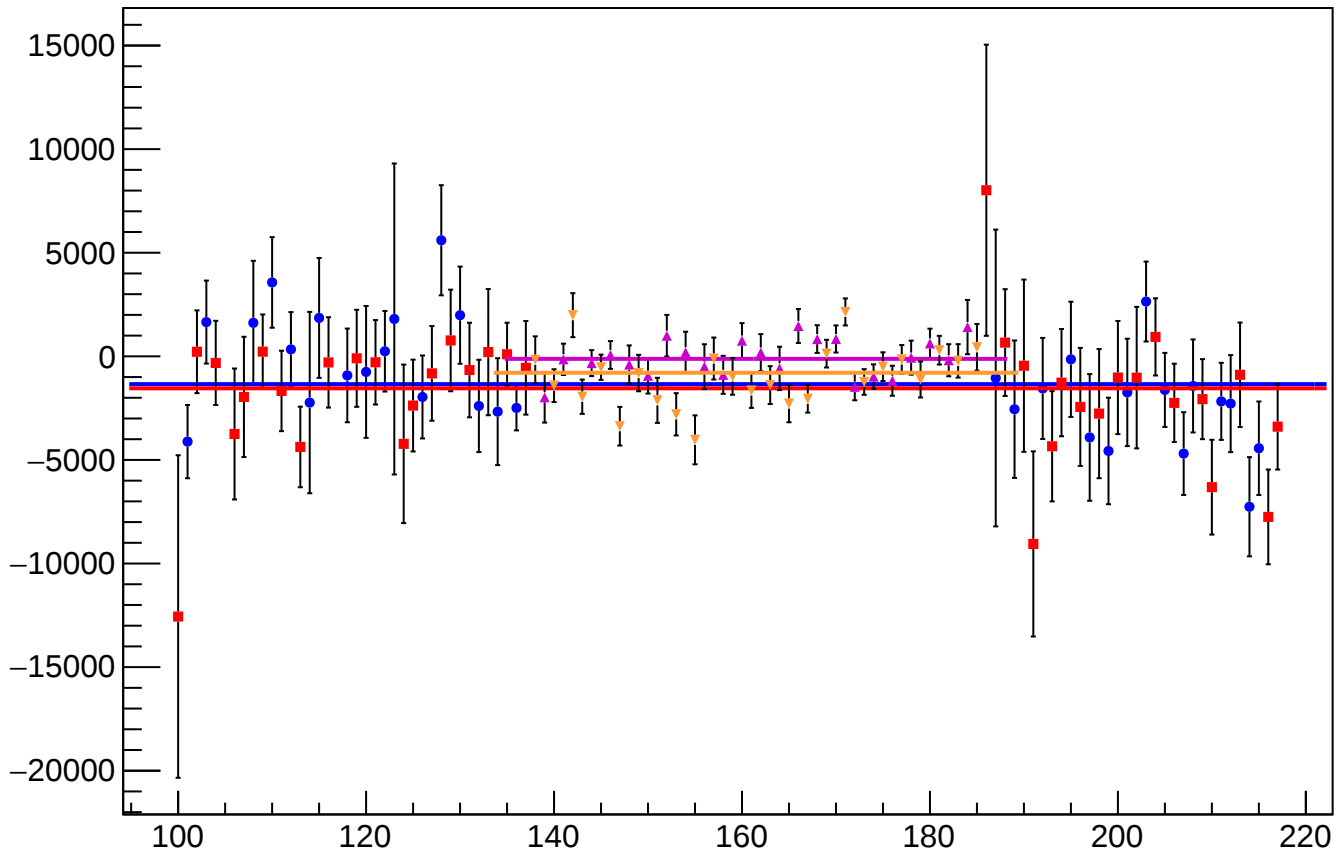
Left In: 78.139 $\pm$ 0.013 χ^2 /NDF:582108.1/22

+ sign 86.559 $\pm$ 0.011 χ^2 /NDF: 5948922.1/56

All: 87.612 $\pm$ 0.008 χ^2 /NDF: 12994155.0/115

- sign 88.727 $\pm$ 0.011 χ^2 /NDF: 7025519.0/58

asym_sam_2468_avg_correction_mean vs Slug



Right In: -1341.666 ± 394.896 χ^2/NDF : 42.4/31

Left Out: -792.776 ± 162.659 χ^2/NDF : 66.6/24

Right Out: -1543.453 ± 395.783 χ^2/NDF : 32.8/35

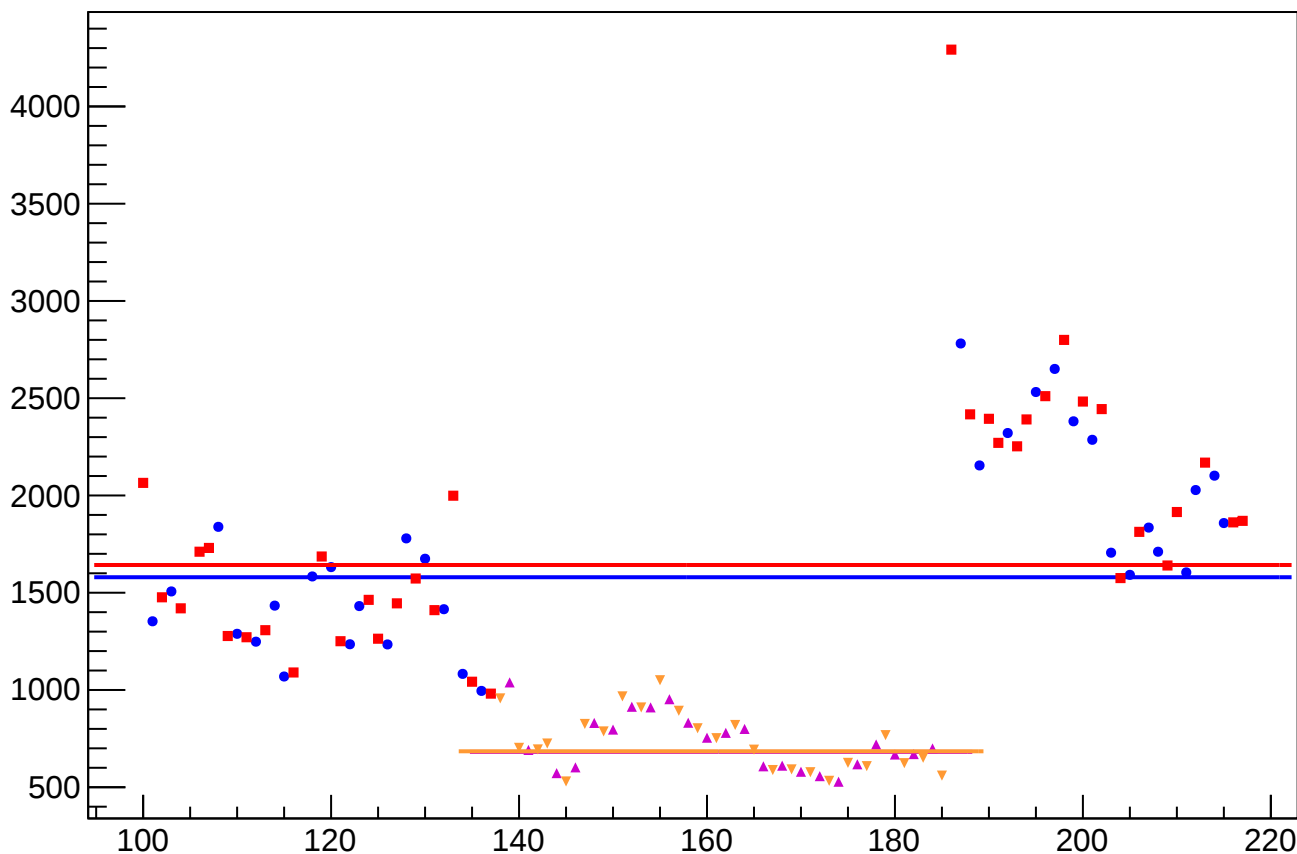
Left In: -122.198 ± 166.193 χ^2/NDF : 25.9/22

+ sign -872.394 ± 150.400 χ^2/NDF : 110.7/56

All: -608.825 ± 107.336 χ^2/NDF : 186.6/115

- sign -335.236 ± 153.232 χ^2/NDF : 69.7/58

asym_sam_2468_avg_correction_rms vs Slug



Right In: 1579.672 $\pm$ 0.279 χ^2 /NDF: 2394631.3/31

Left Out: 684.785 $\pm$ 0.115 χ^2 /NDF: 1280146.2/24

Right Out: 1642.575 $\pm$ 0.280 χ^2 /NDF: 2854628.7/35

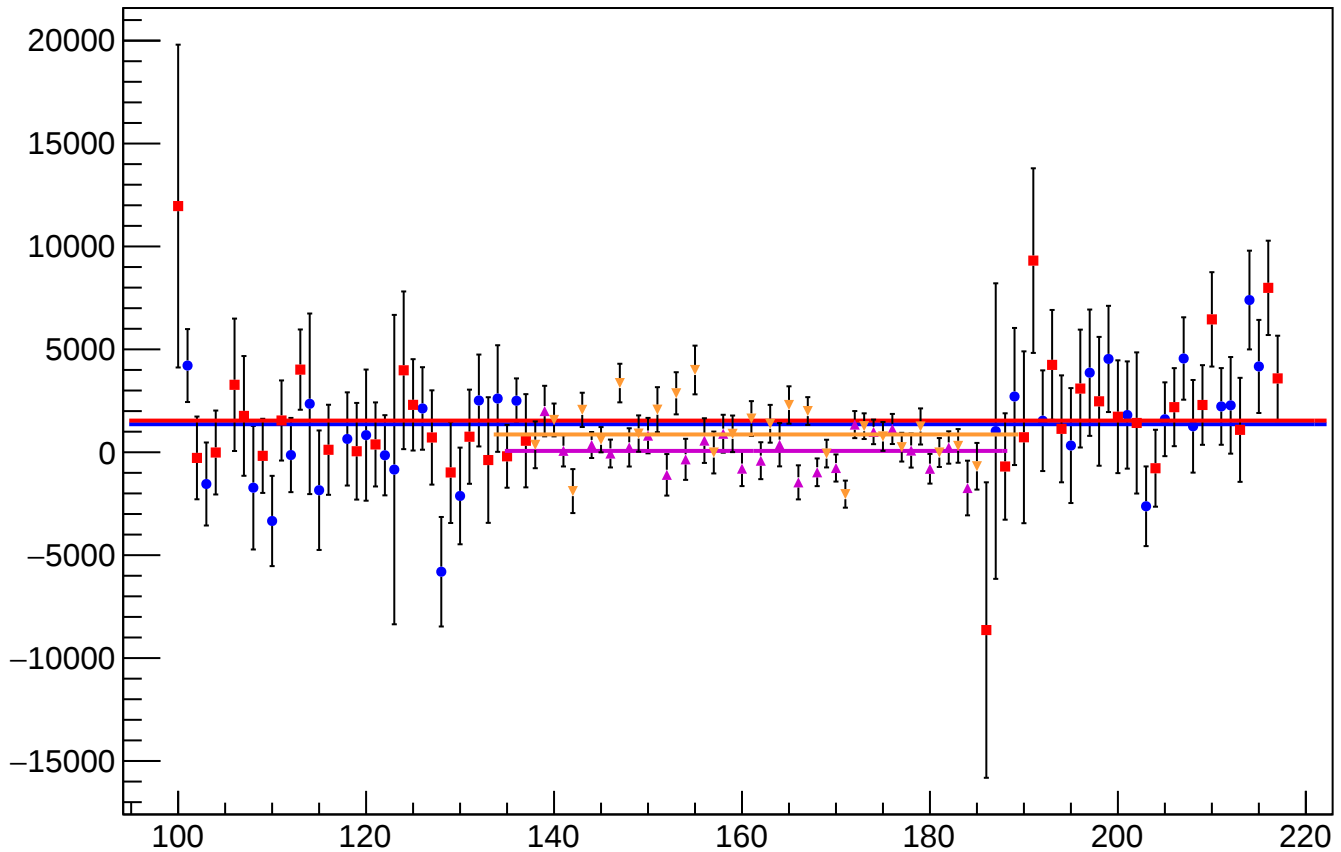
Left In: 681.712 $\pm$ 0.118 χ^2 /NDF: 1119637.0/22

+ sign 814.591 $\pm$ 0.106 χ^2 /NDF: 12455676.1/56

All: 820.062 $\pm$ 0.076 χ^2 /NDF: 26456326.2/11

- sign 825.740 $\pm$ 0.108 χ^2 /NDF: 13995257.7/58

asym_sam_2468_avg_mean vs Slug



Right In: 1362.969 ± 396.072 χ^2/NDF : 41.8/31

Left Out: 865.597 ± 163.885 χ^2/NDF : 62.8/24

Right Out: 1538.812 ± 397.087 χ^2/NDF : 33.4/35

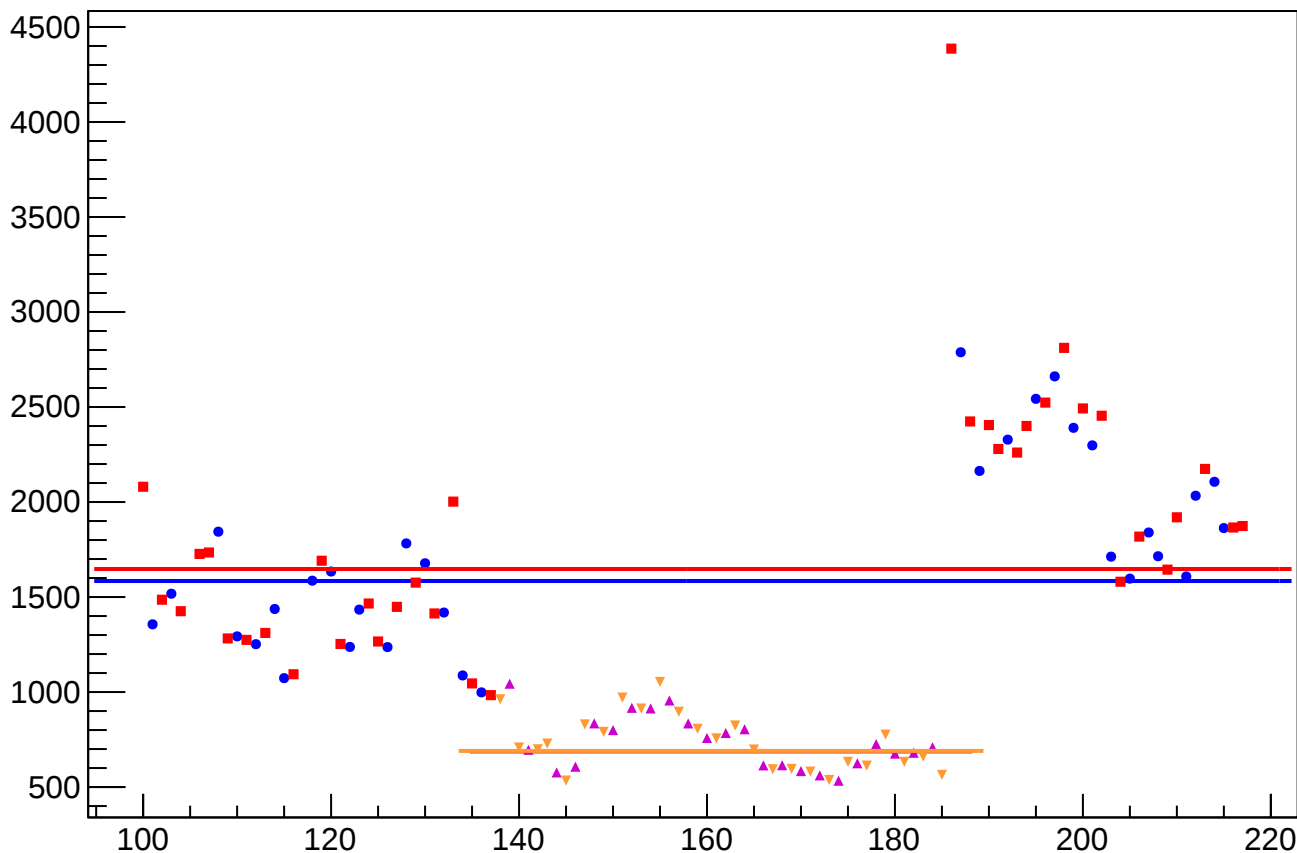
Left In: 65.924 ± 167.485 χ^2/NDF : 26.4/22

+ sign 938.304 ± 151.434 χ^2/NDF : 106.0/56

All: 619.474 ± 108.086 χ^2/NDF : 186.6/115

- sign 288.378 ± 154.319 χ^2/NDF : 71.5/58

asym_sam_2468_avg_rms vs Slug



Right In: 1584.303 $\pm$ 0.280 χ^2 /NDF: 2397873.8/31

Left Out: 690.166 $\pm$ 0.116 χ^2 /NDF: 1258158.2/24

Right Out: 1647.478 $\pm$ 0.281 χ^2 /NDF: 2866187.4/35

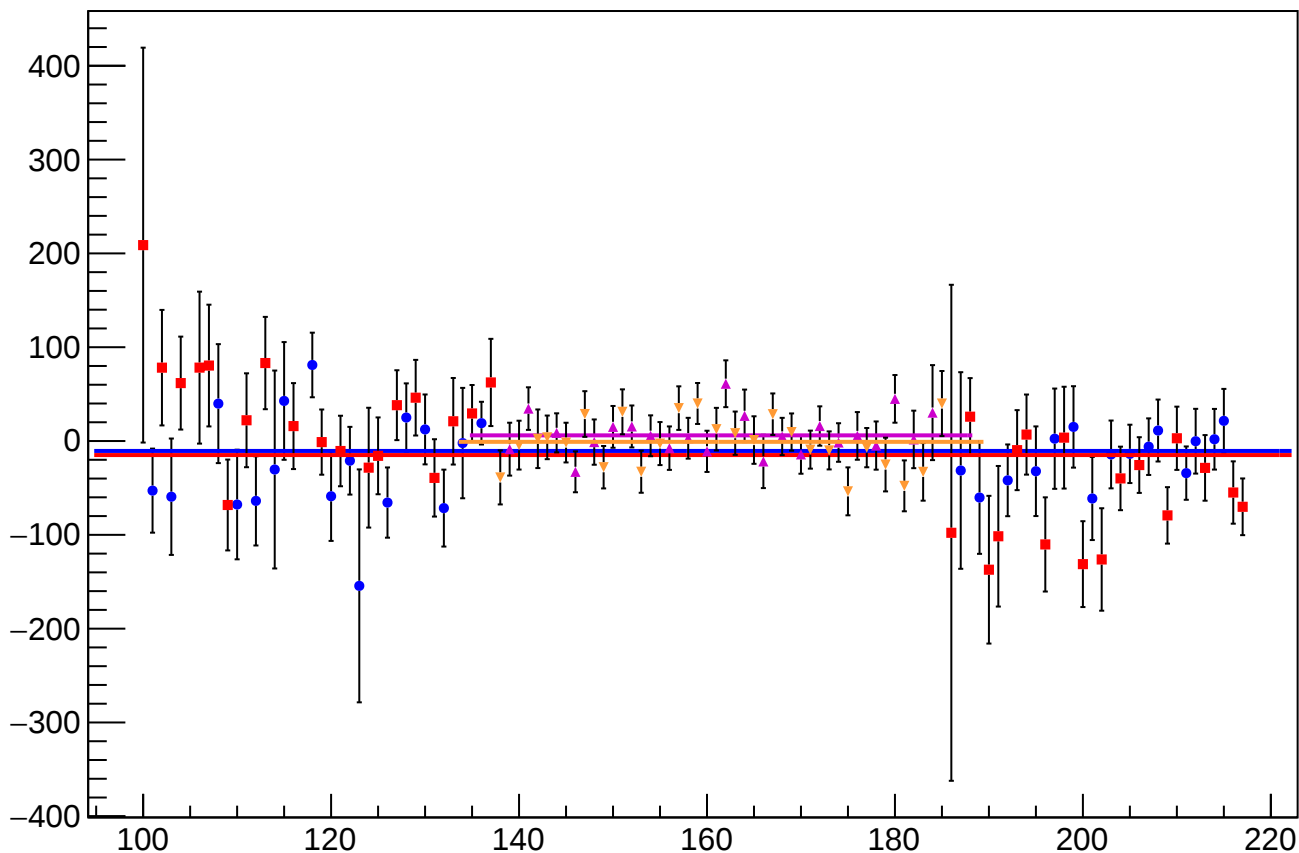
Left In: 687.216 $\pm$ 0.118 χ^2 /NDF: 1099706.1/22

+ sign 820.874 $\pm$ 0.107 χ^2 /NDF: 12358723.2/56

All: 826.453 $\pm$ 0.076 χ^2 /NDF: 26259695.8/1

- sign 832.247 $\pm$ 0.109 χ^2 /NDF: 13895438.5/58

reg_asym_sam_1357_2468_dd_mean vs Slug



Right In: -10.565 ± 7.107 χ^2/NDF : 27.7/31

Left Out: -0.861 ± 4.760 χ^2/NDF : 27.9/24

Right Out: -14.960 ± 7.156 χ^2/NDF : 55.8/35

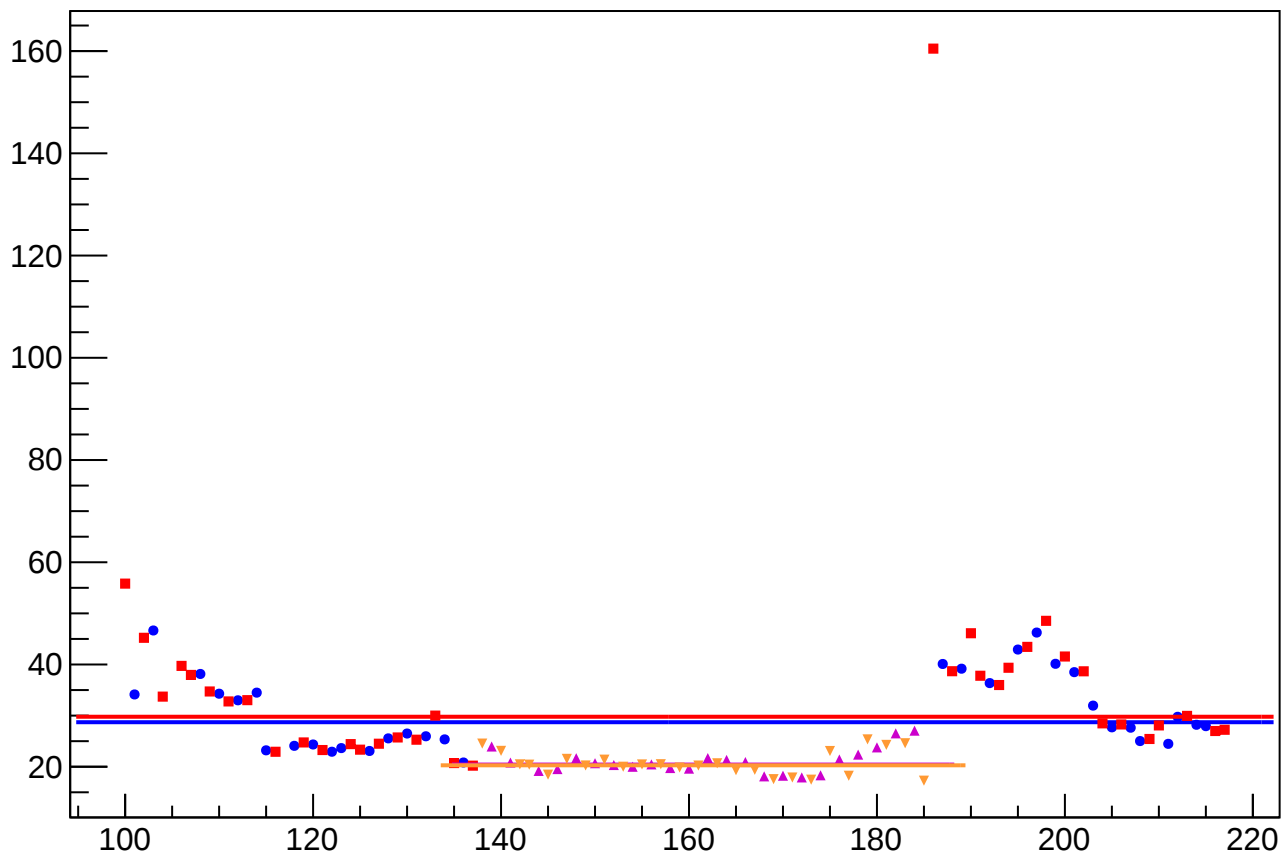
Left In: 6.042 ± 4.925 χ^2/NDF : 16.9/22

+ sign -3.866 ± 3.955 χ^2/NDF : 56.9/56

All: -2.328 ± 2.832 χ^2/NDF : 135.8/115

- sign -0.709 ± 4.057 χ^2/NDF : 78.6/58

reg_asym_sam_1357_2468_dd_rms vs Slug



Right In: 28.708+/-0.005 χ^2/NDF : 1613721.0/31

Left Out: 20.279+/-0.003 χ^2/NDF : 407056.4/24

Right Out: 29.779+/-0.005 χ^2/NDF : 2316724.0/35

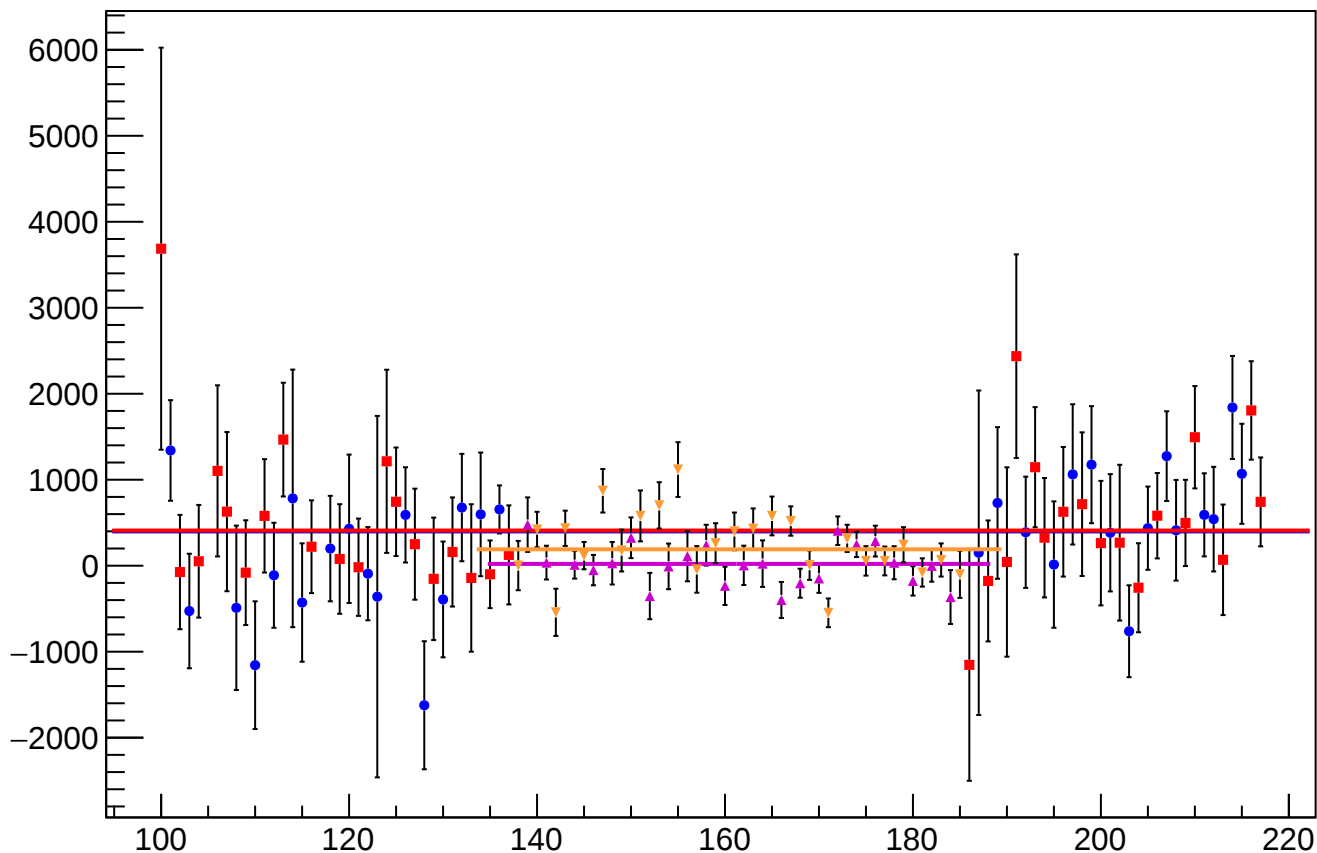
Left In: 20.424+/-0.003 χ^2/NDF : 323427.4/22

+ sign 22.890+/-0.003 χ^2/NDF : 3962740.7/56

All: 23.153+/-0.002 χ^2/NDF : 8940544.1/115

- sign 23.431+/-0.003 χ^2/NDF : 4959557.4/58

asym_sam_1357_2468_dd_correction_mean vs Slug



Right In: 398.923 ± 108.959 χ^2/NDF : 40.3/31

Left Out: 190.867 ± 41.314 χ^2/NDF : 67.9/24

Right Out: 409.044 ± 109.979 χ^2/NDF : 29.8/35

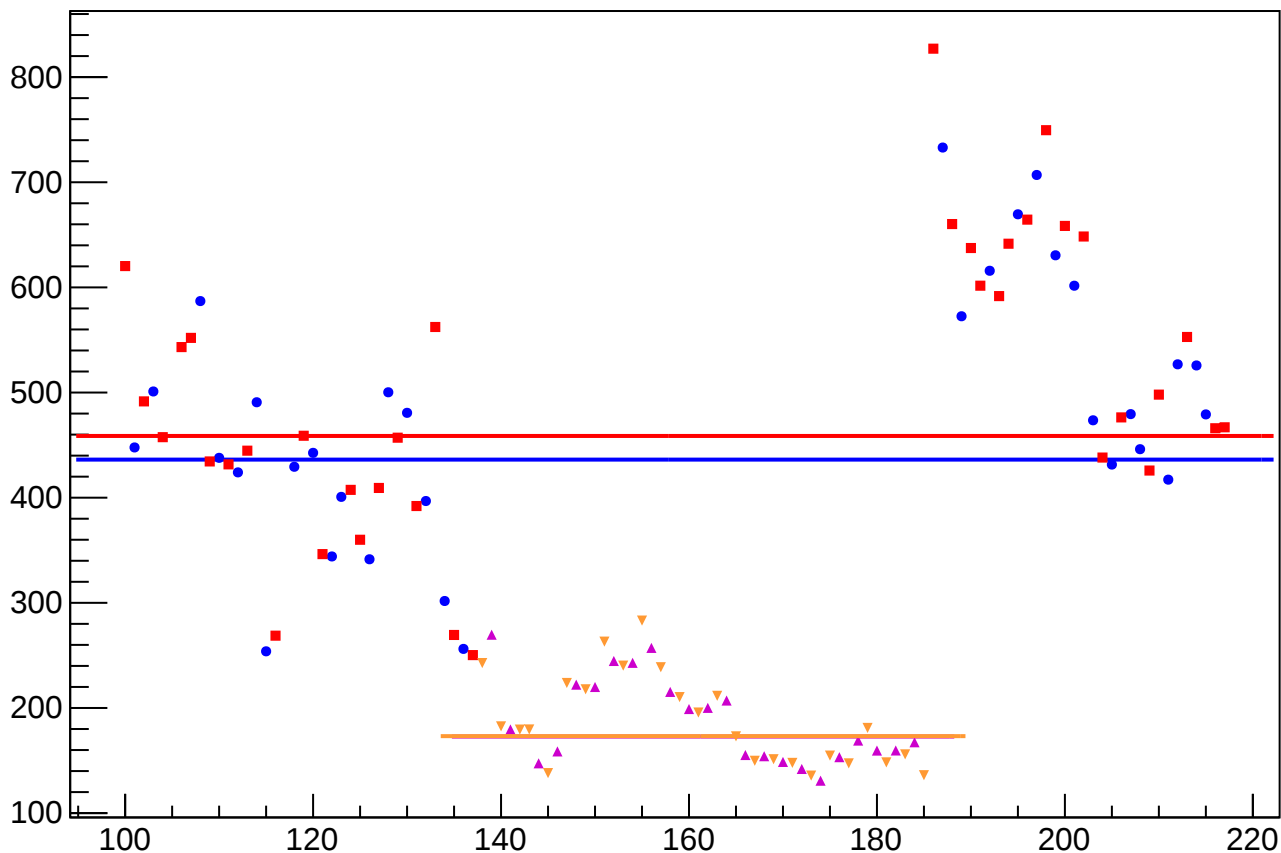
Left In: 20.998 ± 42.291 χ^2/NDF : 27.7/22

+ sign 217.019 ± 38.630 χ^2/NDF : 111.3/56

All: 145.578 ± 27.609 χ^2/NDF : 186.8/115

- sign 70.986 ± 39.473 χ^2/NDF : 68.4/58

asym_sam_1357_2468_dd_correction_rms vs Slug



Right In: 436.217 $\pm$ 0.077 χ^2 /NDF: 2343515.2/31

Left Out: 173.210 $\pm$ 0.029 χ^2 /NDF:1561250.6/24

Right Out: 458.713 $\pm$ 0.078 χ^2 /NDF: 2529250.9/35

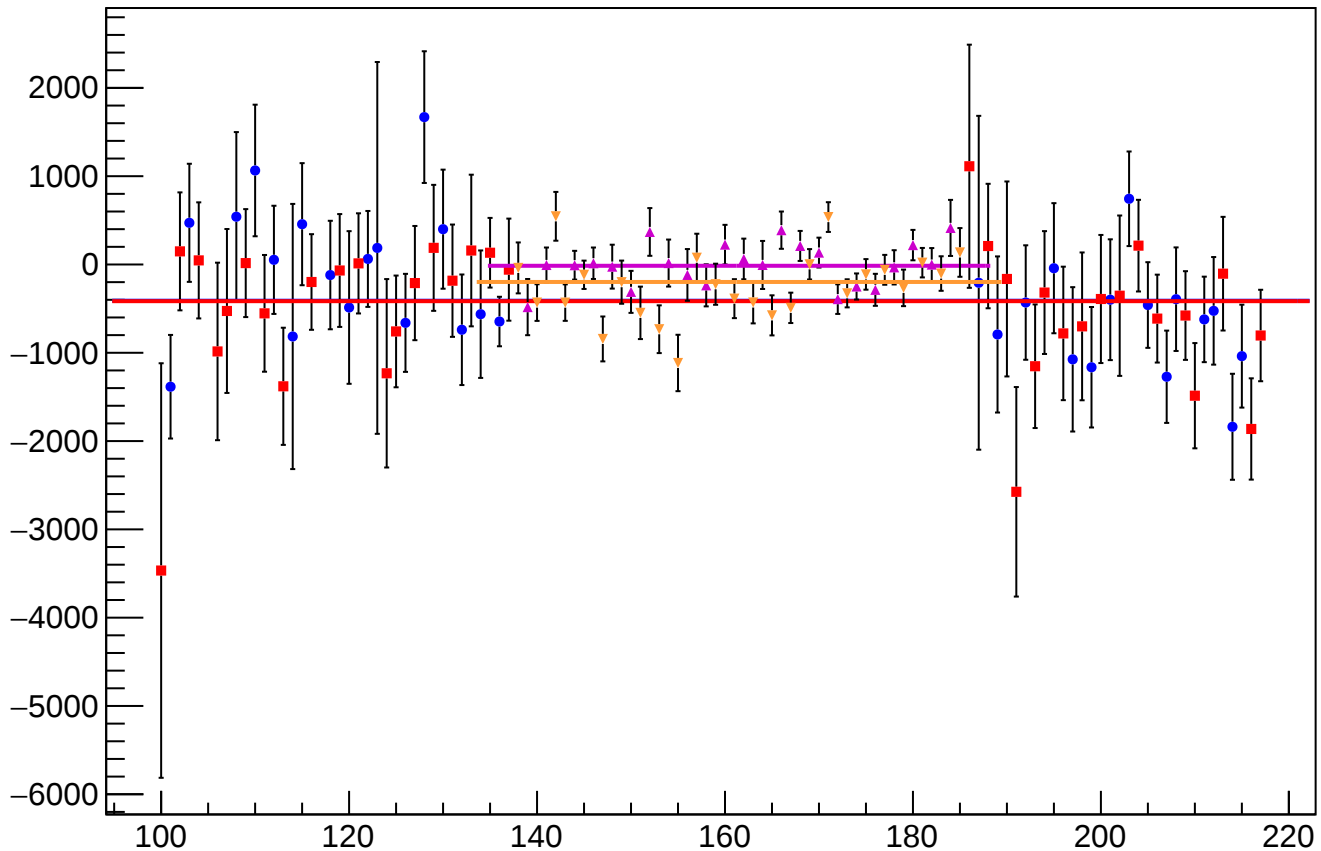
Left In: 172.828 $\pm$ 0.030 χ^2 /NDF:1372131.7/22

+ sign 206.270 $\pm$ 0.027 χ^2 /NDF: 14093107.0/56

All: 207.926 $\pm$ 0.020 χ^2 /NDF: 29775430.1/11

- sign 209.655 $\pm$ 0.028 χ^2 /NDF: 15674807.6/58

asym_sam_1357_2468_dd_mean vs Slug



Right In: -410.501 ± 109.230 χ^2/NDF : 39.9/31

Left Out: -197.918 ± 41.638 χ^2/NDF : 64.3/24

Right Out: -415.512 ± 110.270 χ^2/NDF : 30.5/35

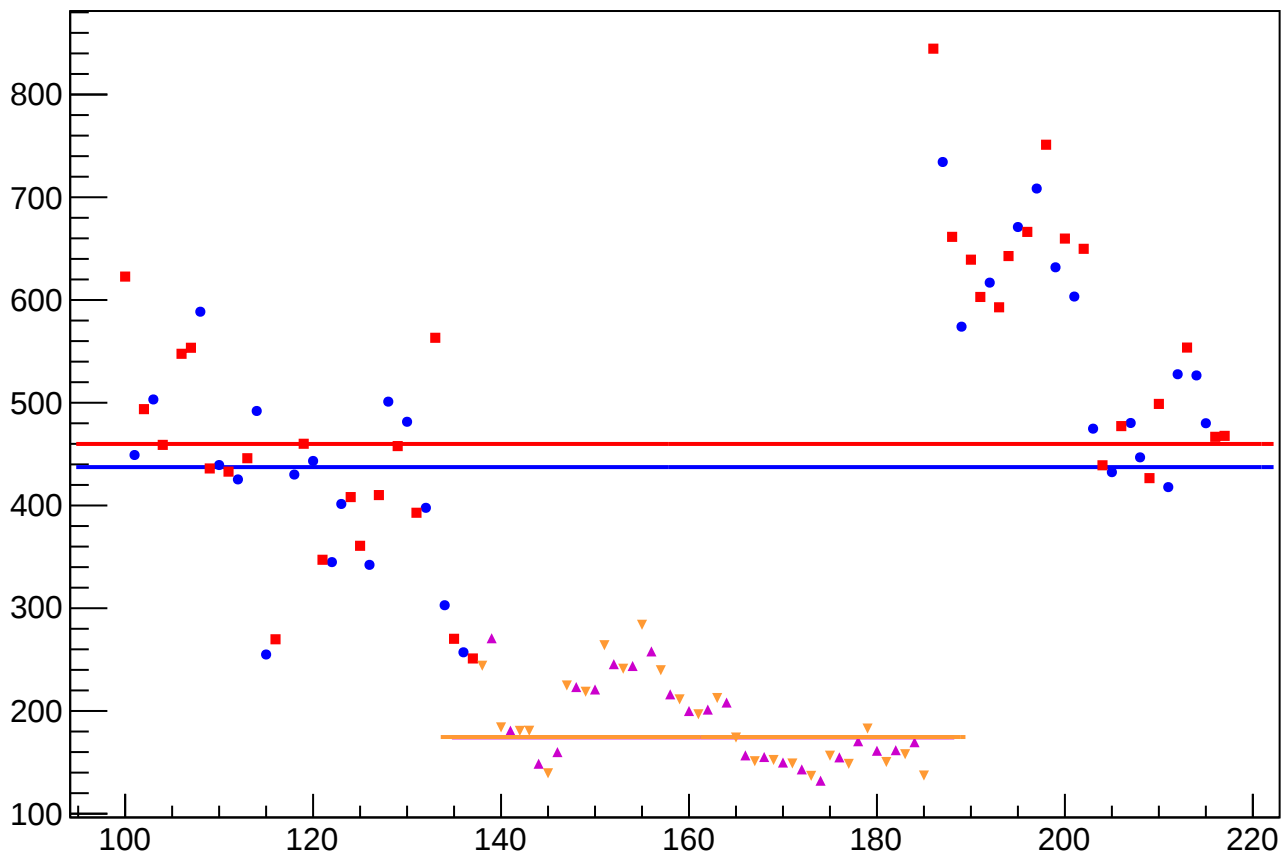
Left In: -14.616 ± 42.629 χ^2/NDF : 27.7/22

+ sign -224.889 ± 38.907 χ^2/NDF : 107.4/56

All: -147.532 ± 27.809 χ^2/NDF : 185.2/115

- sign -66.741 ± 39.762 χ^2/NDF : 69.7/58

asym_sam_1357_2468_dd_rms vs Slug



Right In: 437.361 $\pm$ 0.077 χ^2 /NDF: 2335869.7/31

Left Out: 174.648 $\pm$ 0.029 χ^2 /NDF:1531999.5/24

Right Out: 459.897 $\pm$ 0.078 χ^2 /NDF: 2531651.0/35

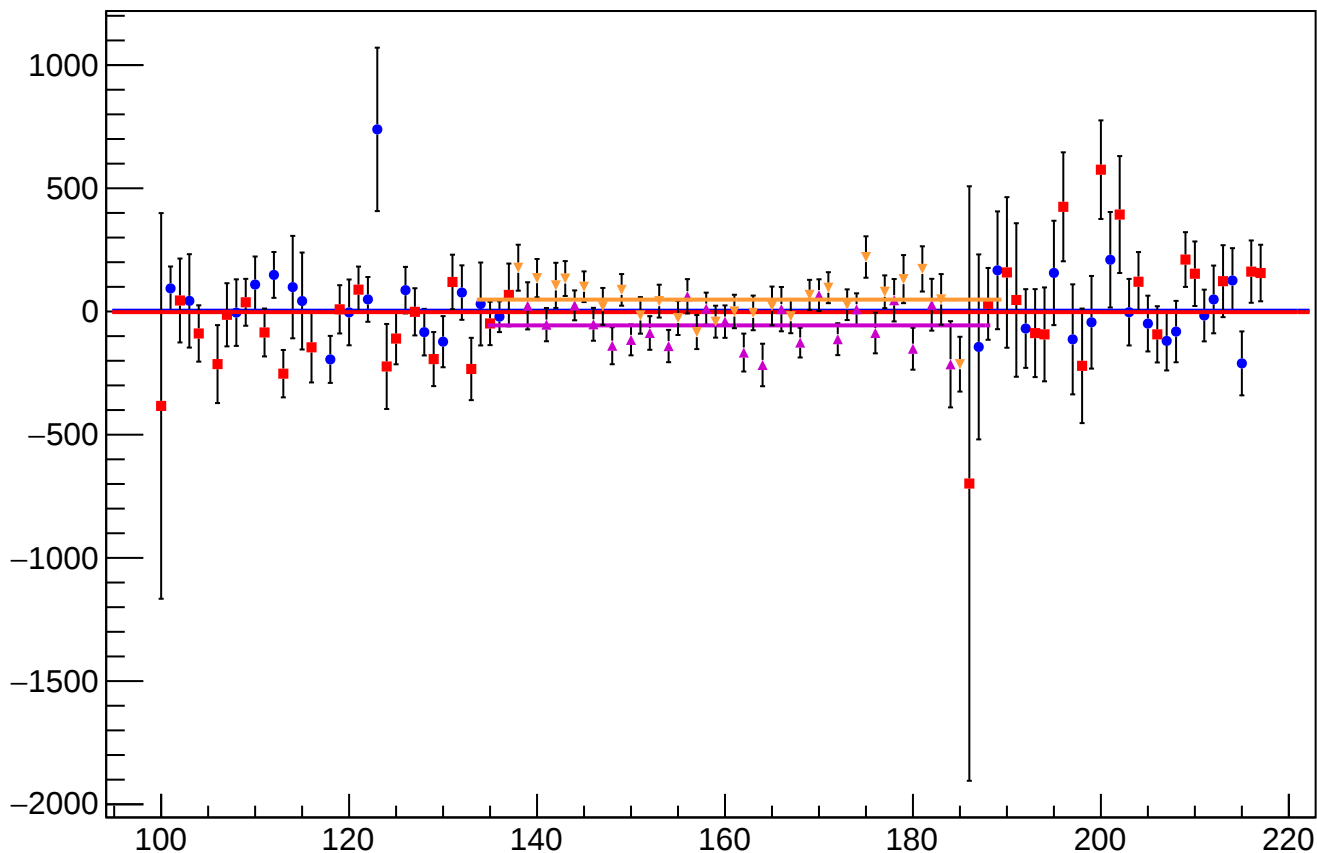
Left In: 174.288 $\pm$ 0.030 χ^2 /NDF:1344779.5/22

+ sign 207.979 $\pm$ 0.028 χ^2 /NDF: 13969372.0/56

All: 209.664 $\pm$ 0.020 χ^2 /NDF: 29526098.5/1

- sign 211.423 $\pm$ 0.028 χ^2 /NDF: 15549061.6/58

reg_asym_sam_12345678_avg_mean vs Slug



Right In: 3.252 ± 21.685 χ^2/NDF : 26.1/31

Left Out: 48.233 ± 14.616 χ^2/NDF : 29.3/24

Right Out: -2.588 ± 21.632 χ^2/NDF : 51.1/35

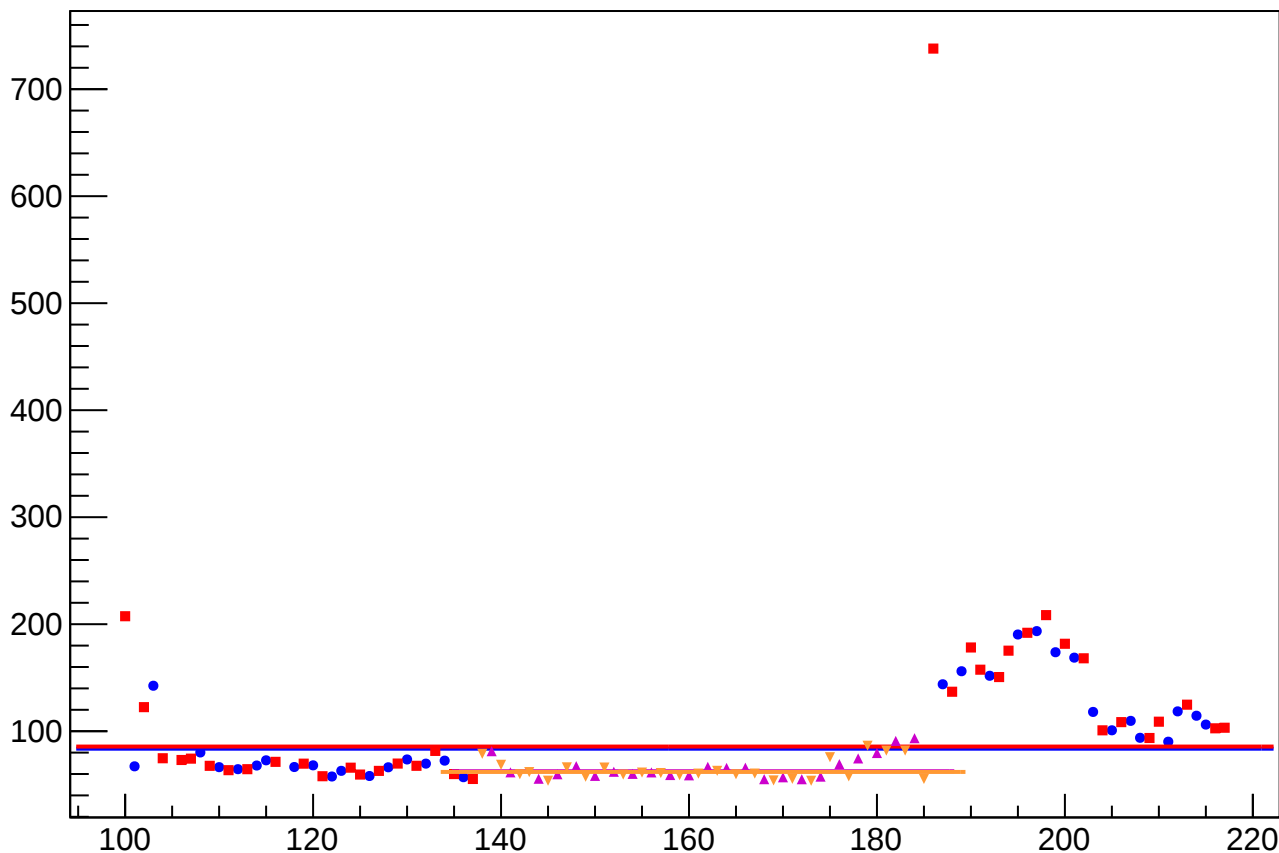
Left In: -56.403 ± 15.182 χ^2/NDF : 27.5/22

+ sign 34.182 ± 12.120 χ^2/NDF : 58.4/56

All: -1.319 ± 8.677 χ^2/NDF : 158.7/115

- sign -38.644 ± 12.427 χ^2/NDF : 82.7/58

reg_asym_sam_12345678_avg_rms vs Slug



Right In: 83.662 $\pm$ 0.015 χ^2 /NDF: 4337284.0/31

Left Out: 61.946 $\pm$ 0.010 χ^2 /NDF: 604989.2/24

Right Out: 85.645 $\pm$ 0.015 χ^2 /NDF: 5317799.9/35

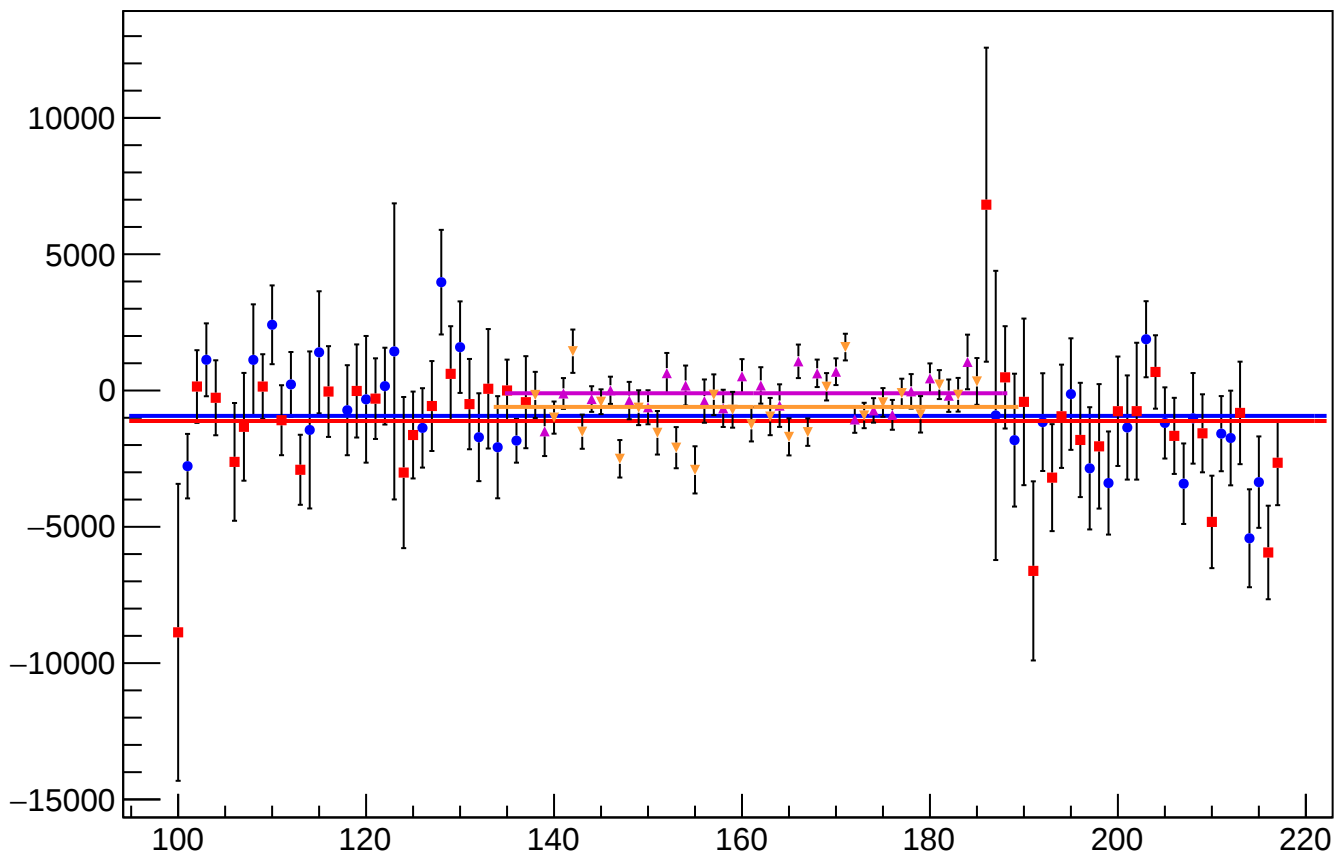
Left In: 62.607 $\pm$ 0.011 χ^2 /NDF: 575516.1/22

+ sign 68.730 $\pm$ 0.009 χ^2 /NDF: 6321429.9/56

All: 69.451 $\pm$ 0.006 χ^2 /NDF: 13749090.0/115

- sign 70.210 $\pm$ 0.009 χ^2 /NDF: 7413122.2/58

asym_sam_12345678_avg_correction_mean vs Slug



Right In: -930.600 $\pm$ 284.408 χ^2 /NDF: 43.4/31

Left Out: -601.486 $\pm$ 122.119 χ^2 /NDF: 65.4/24

Right Out: -1118.371 $\pm$ 283.789 χ^2 /NDF: 33.9/35

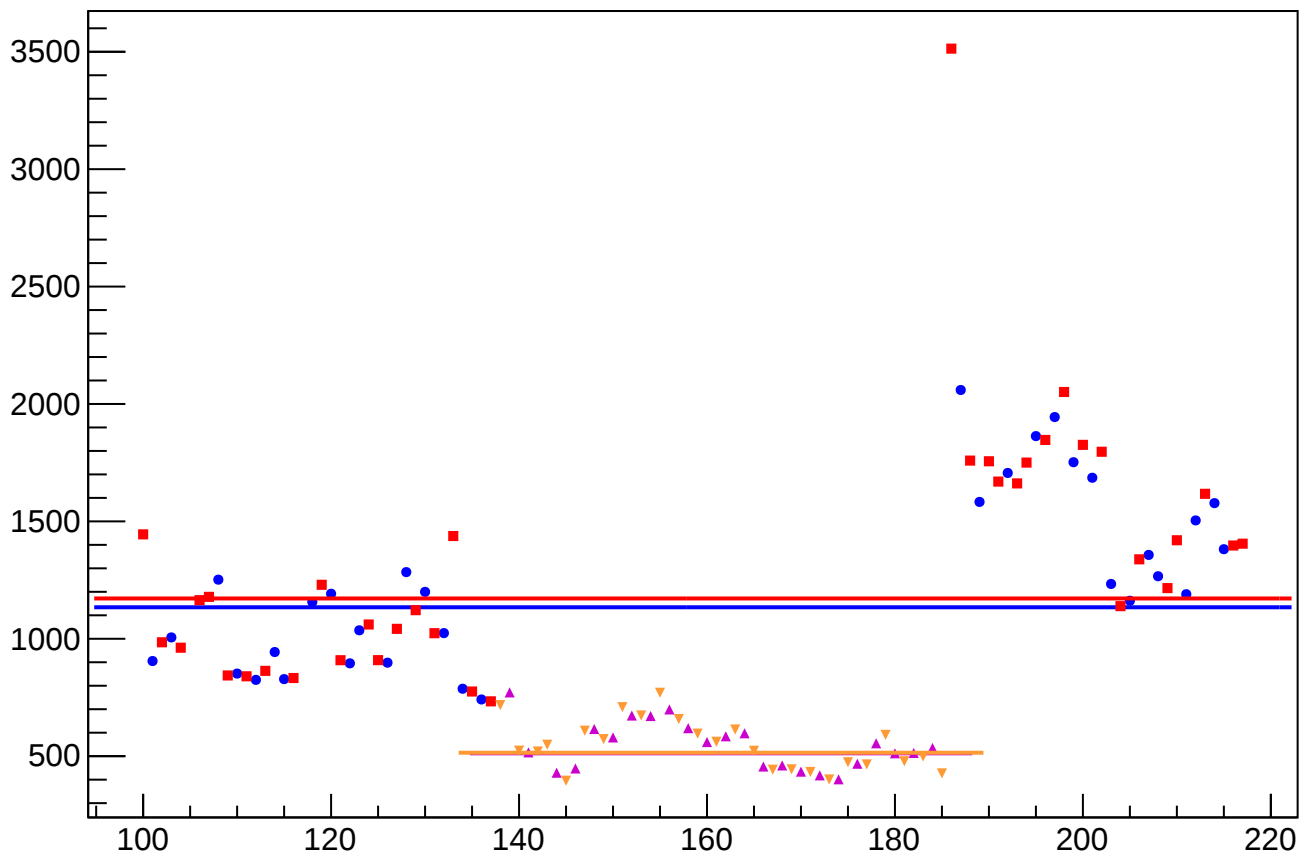
Left In: -100.548 $\pm$ 124.725 χ^2 /NDF: 25.5/22

+ sign -652.717 $\pm$ 112.212 χ^2 /NDF: 109.9/56

All: -462.393 $\pm$ 80.034 χ^2 /NDF: 185.9/115

- sign -265.322 $\pm$ 114.184 χ^2 /NDF: 70.1/58

asym_sam_12345678_avg_correction_rms vs Slug



Right In: 1134.147 $\pm$ 0.201 χ^2 /NDF: 2592385.0/31

Left Out: 514.758 $\pm$ 0.086 χ^2 /NDF: 1194945.9/24

Right Out: 1171.675 $\pm$ 0.201 χ^2 /NDF: 3200665.9/35

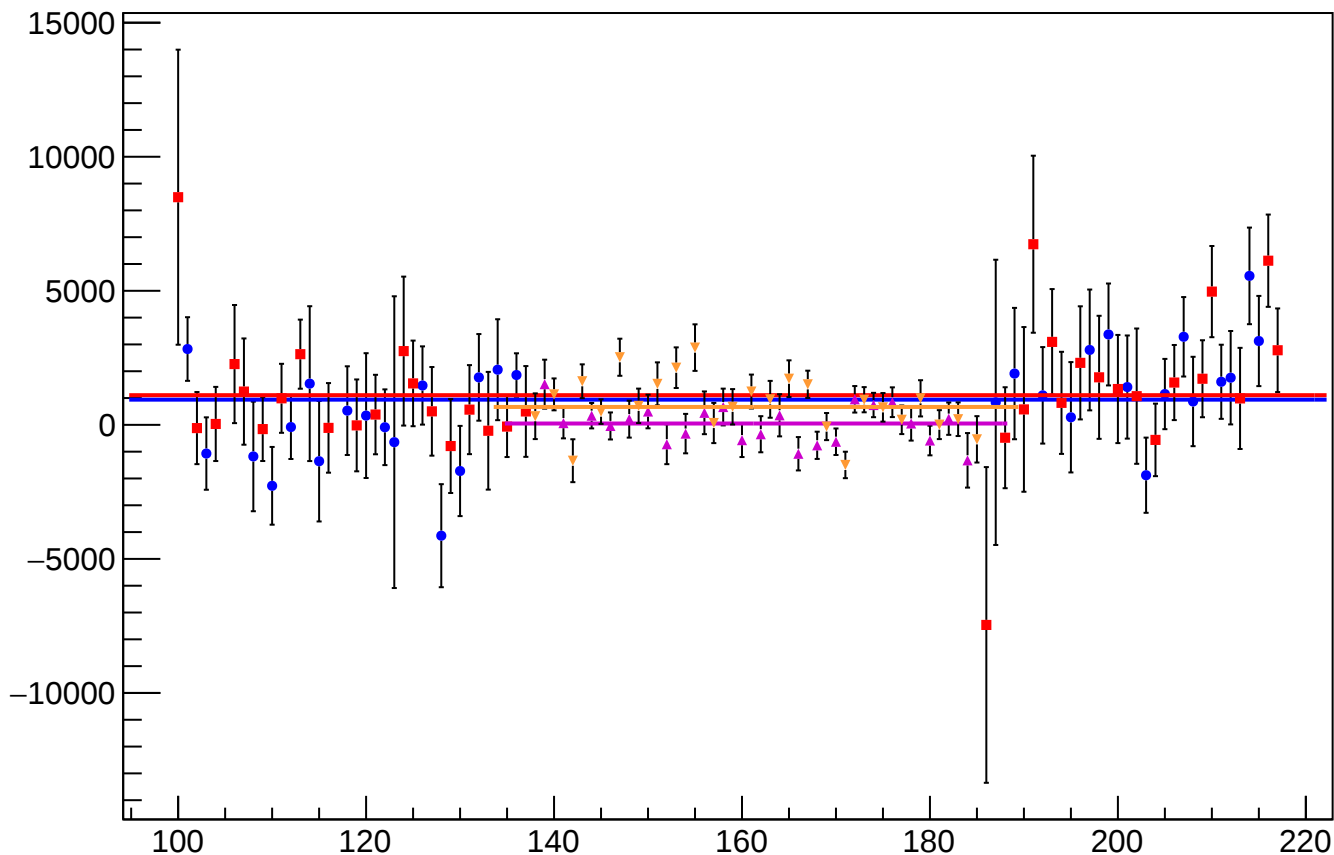
Left In: 512.199 $\pm$ 0.088 χ^2 /NDF: 1041302.8/22

+ sign 611.175 $\pm$ 0.079 χ^2 /NDF: 11796492.1/56

All: 615.000 $\pm$ 0.057 χ^2 /NDF: 25095072.9/11

- sign 618.961 $\pm$ 0.081 χ^2 /NDF: 13293850.8/58

asym_sam_12345678_avg_mean vs Slug



Right In: 940.292 $\pm$ 285.449 χ^2 /NDF: 42.7/31

Left Out: 667.625 $\pm$ 123.146 χ^2 /NDF: 61.5/24

Right Out: 1106.704 $\pm$ 284.931 χ^2 /NDF: 34.5/35

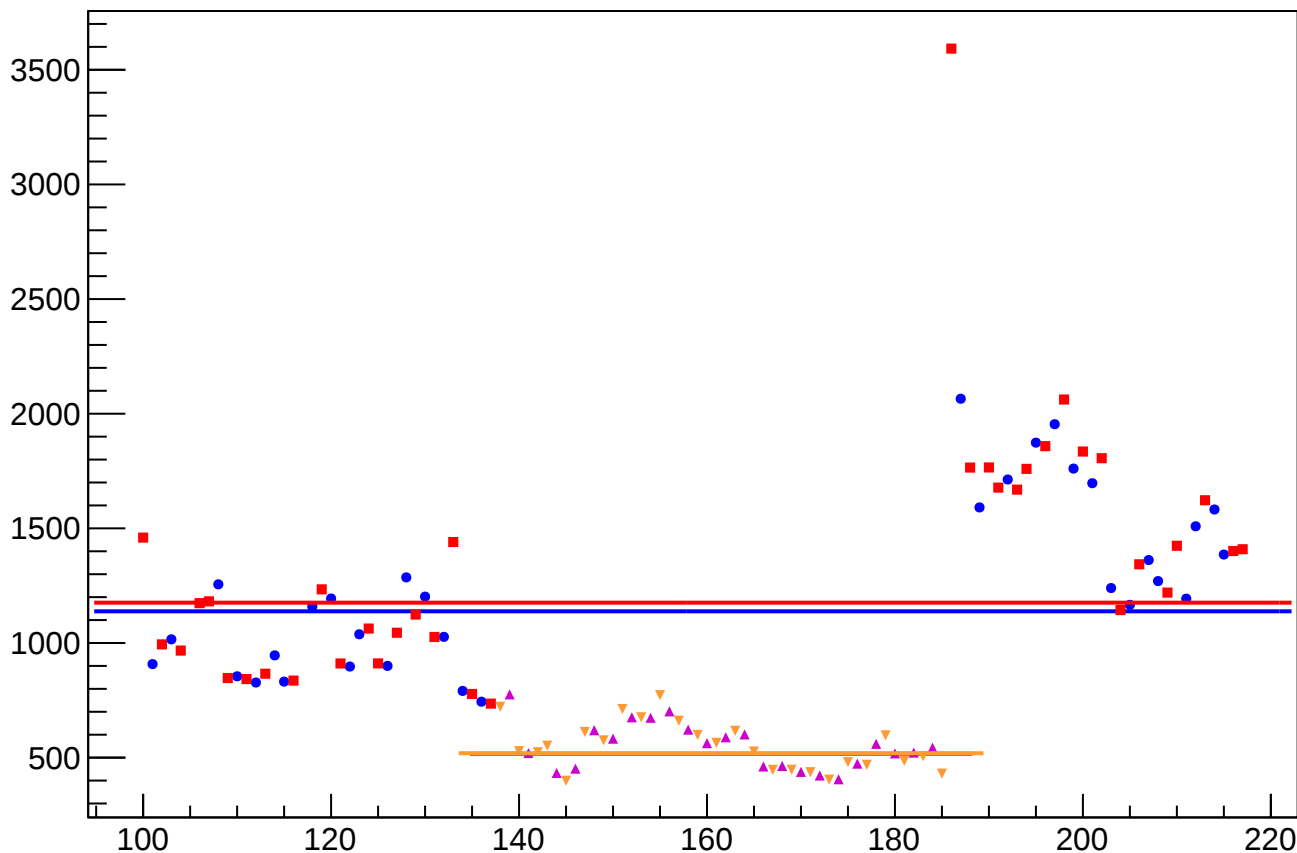
Left In: 50.079 $\pm$ 125.805 χ^2 /NDF: 26.1/22

+ sign 710.409 $\pm$ 113.072 χ^2 /NDF: 105.0/56

All: 470.741 $\pm$ 80.657 χ^2 /NDF: 186.3/115

- sign 222.459 $\pm$ 115.086 χ^2 /NDF: 72.1/58

asym_sam_12345678_avg_rms vs Slug



Right In: 1138.197 $\pm$ 0.202 χ^2 /NDF: 2598283.9/31

Left Out: 519.254 $\pm$ 0.087 χ^2 /NDF: 1172411.1/24

Right Out: 1175.938 $\pm$ 0.201 χ^2 /NDF: 3213955.5/35

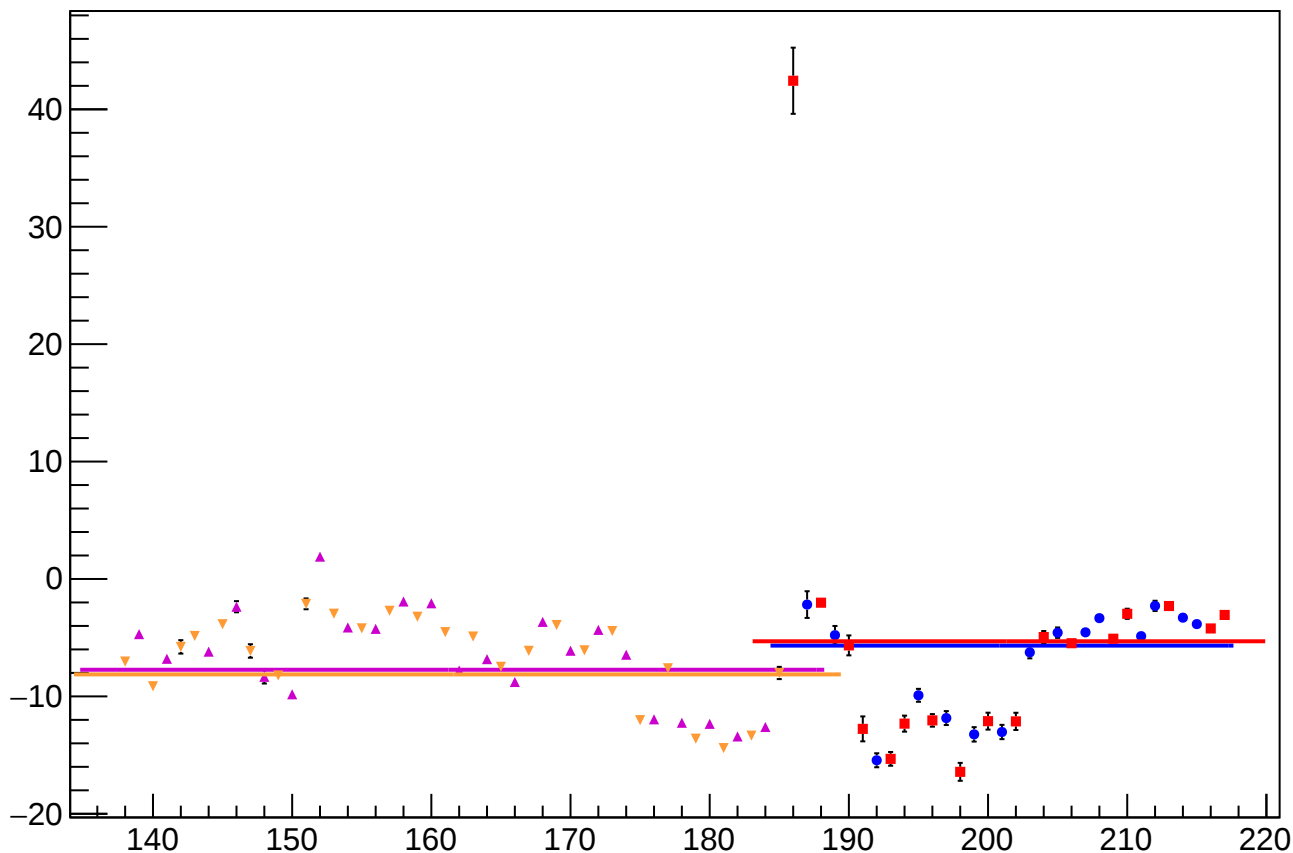
Left In: 516.792 $\pm$ 0.089 χ^2 /NDF: 1021374.1/22

+ sign 616.373 $\pm$ 0.080 χ^2 /NDF: 11698389.4/56

All: 620.280 $\pm$ 0.057 χ^2 /NDF: 24895637.9/1

- sign 624.327 $\pm$ 0.081 χ^2 /NDF: 13192387.9/58

reg_asym_sam1_diff_bpm1X_slope vs Slug



Right In: -5.675 ± 0.117 χ^2/NDF : 956.8/14

Left Out: -8.127 ± 0.067 χ^2/NDF : 3635.5/24

Right Out: -5.306 ± 0.108 χ^2/NDF : 1574.3/16

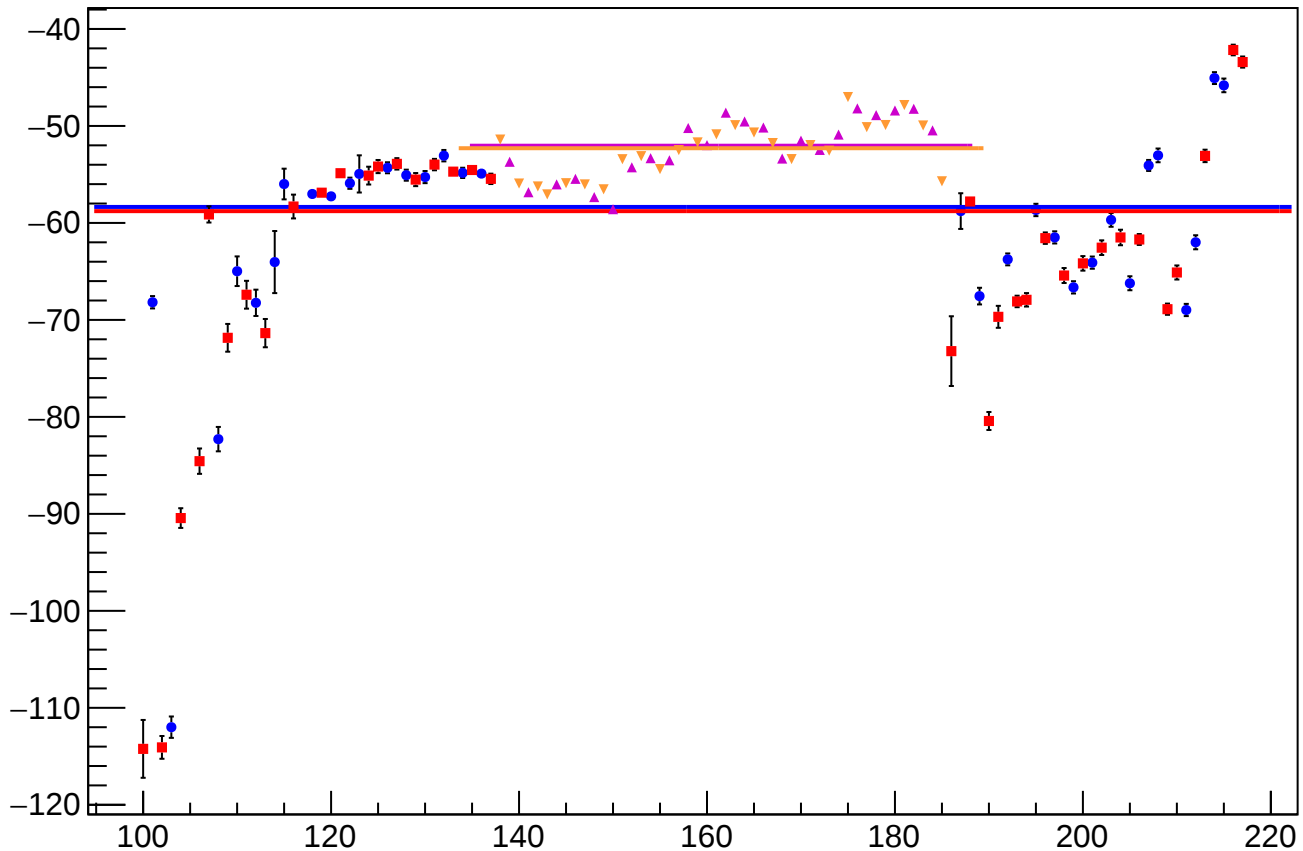
Left In: -7.732 ± 0.069 χ^2/NDF : 3719.0/22

+ sign -7.517 ± 0.058 χ^2/NDF : 4921.8/39

All: -7.272 ± 0.041 χ^2/NDF : 10609.0/79

- sign -7.031 ± 0.058 χ^2/NDF : 5652.3/39

reg_asym_sam1_diff_bpm4aY_slope vs Slug



Right In: -58.351 ± 0.111 χ^2/NDF : 5292.8/31

Left Out: -52.297 ± 0.055 χ^2/NDF : 2657.5/24

Right Out: -58.786 ± 0.108 χ^2/NDF : 8139.8/35

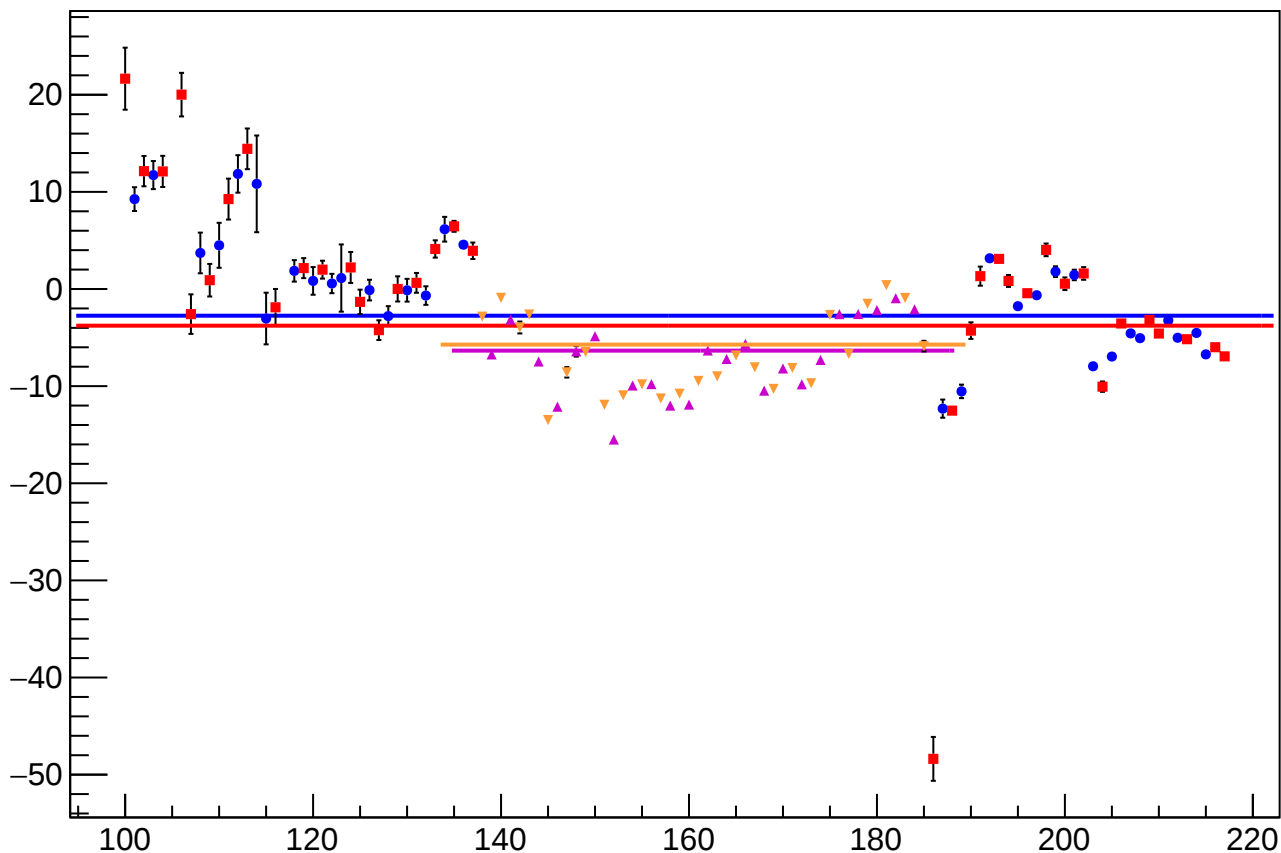
Left In: -52.038 ± 0.057 χ^2/NDF : 3180.4/22

+ sign -53.493 ± 0.049 χ^2/NDF : 10339.4/56

All: -53.506 ± 0.035 χ^2/NDF : 24720.8/115

- sign -53.520 ± 0.050 χ^2/NDF : 14381.3/58

reg_asym_sam1_diff_bpm4eX_slope vs Slug



Right In: -2.749 ± 0.106 χ^2/NDF : 1623.5/31

Left Out: -5.722 ± 0.068 χ^2/NDF : 3983.0/24

Right Out: -3.775 ± 0.099 χ^2/NDF : 3406.9/35

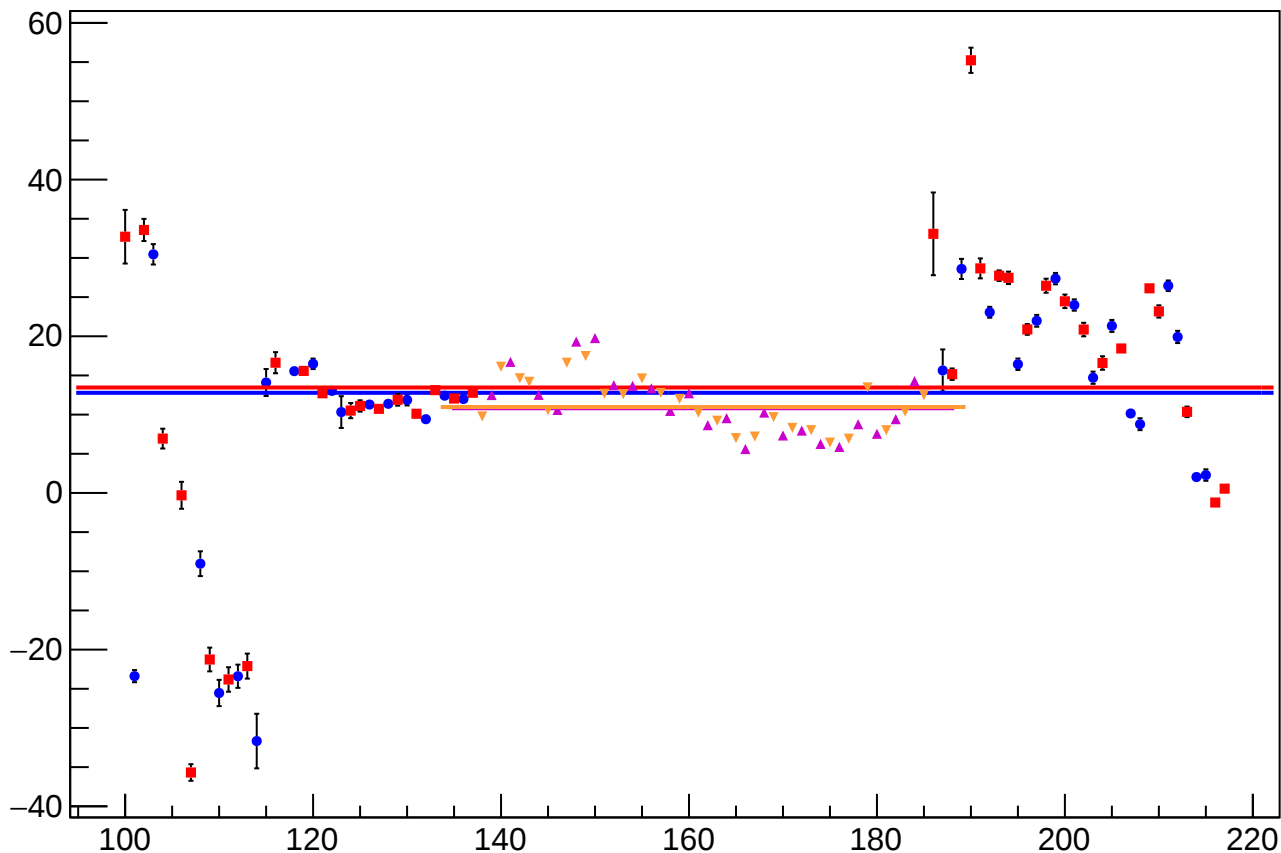
Left In: -6.344 ± 0.069 χ^2/NDF : 3383.7/22

+ sign -4.861 ± 0.057 χ^2/NDF : 6167.1/56

All: -5.190 ± 0.040 χ^2/NDF : 13477.2/115

- sign -5.513 ± 0.056 χ^2/NDF : 7244.0/58

reg_asym_sam1_diff_bpm4eY_slope vs Slug



Right In: 12.782 ± 0.123 χ^2/NDF : 6291.6/31

Left Out: 10.967 ± 0.061 χ^2/NDF : 2637.7/24

Right Out: 13.459 ± 0.121 χ^2/NDF : 8156.0/35

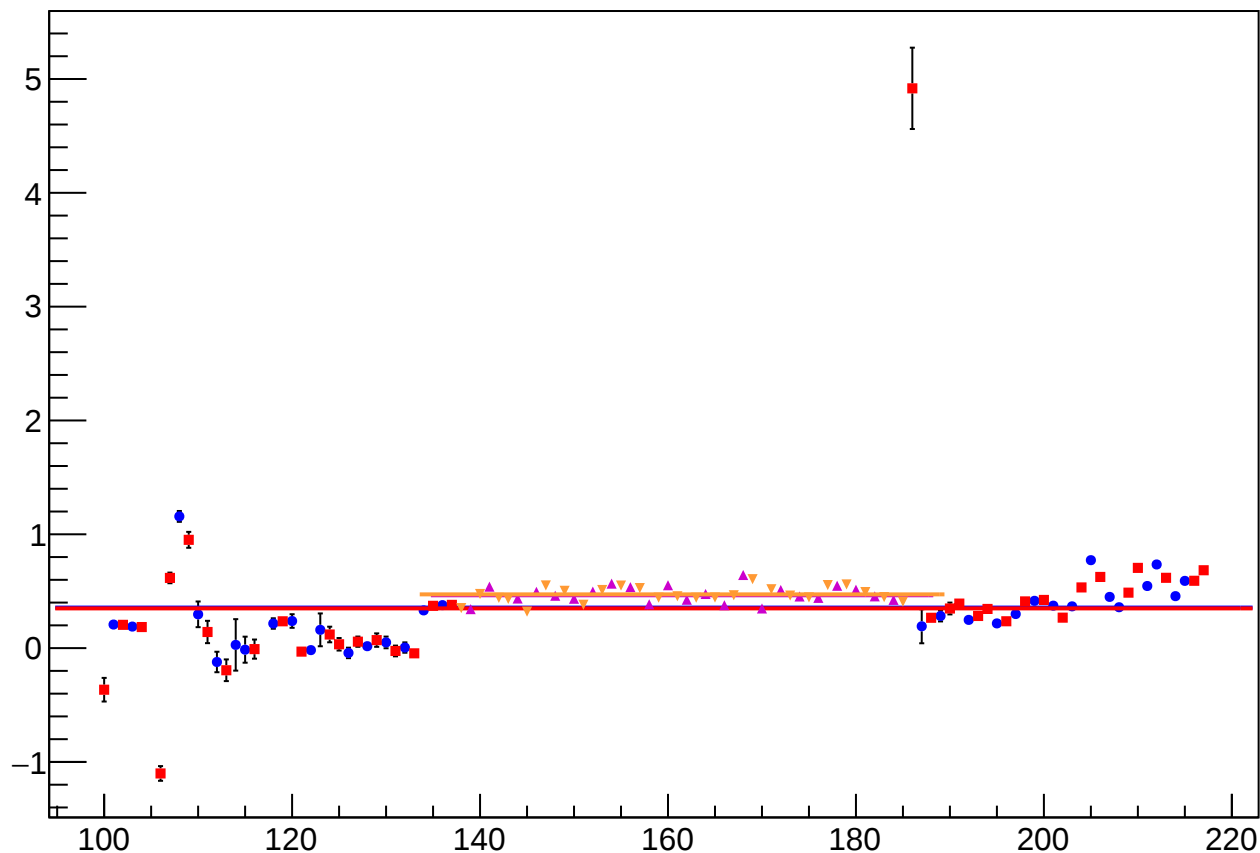
Left In: 10.813 ± 0.063 χ^2/NDF : 3546.8/22

+ sign 11.329 ± 0.055 χ^2/NDF : 9103.7/56

All: 11.353 ± 0.039 χ^2/NDF : 21182.1/115

- sign 11.379 ± 0.056 χ^2/NDF : 12078.0/58

reg_asym_sam1_diff_bpm12X_slope vs Slug



Right In: 0.356 ± 0.005 χ^2/NDF : 1127.0/31

Left Out: 0.472 ± 0.003 χ^2/NDF : 519.0/24

Right Out: 0.349 ± 0.005 χ^2/NDF : 1878.8/35

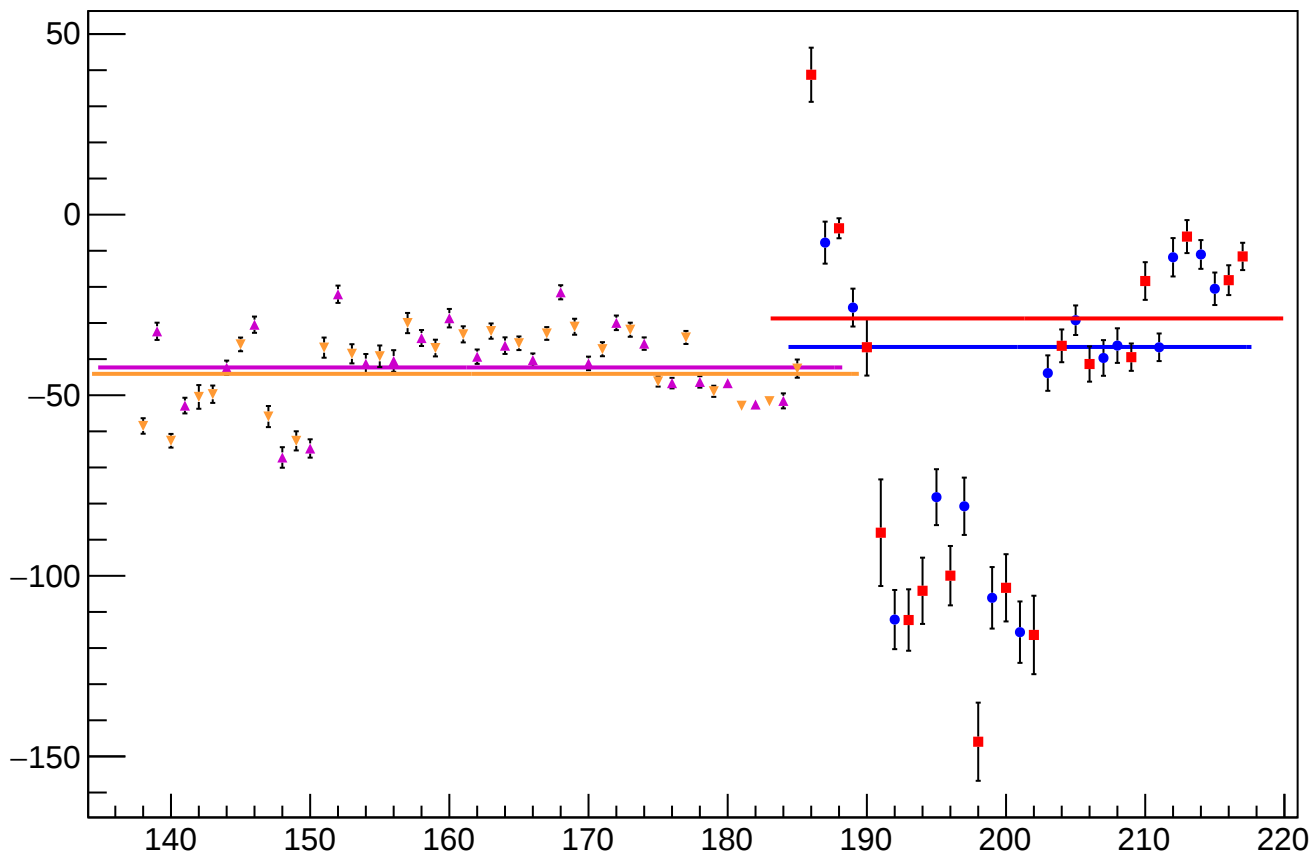
Left In: 0.464 ± 0.003 χ^2/NDF : 733.1/22

+ sign 0.448 ± 0.002 χ^2/NDF : 2011.6/56

All: 0.444 ± 0.002 χ^2/NDF : 4987.7/115

- sign 0.440 ± 0.002 χ^2/NDF : 2970.8/58

reg_asym_sam2_diff_bpm1X_slope vs Slug



Right In: -36.636 ± 1.357 $\chi^2/\text{NDF}: 408.2/14$

Left Out: -44.077 ± 0.389 $\chi^2/\text{NDF}: 632.6/24$

Right Out: -28.739 ± 1.278 $\chi^2/\text{NDF}: 738.5/16$

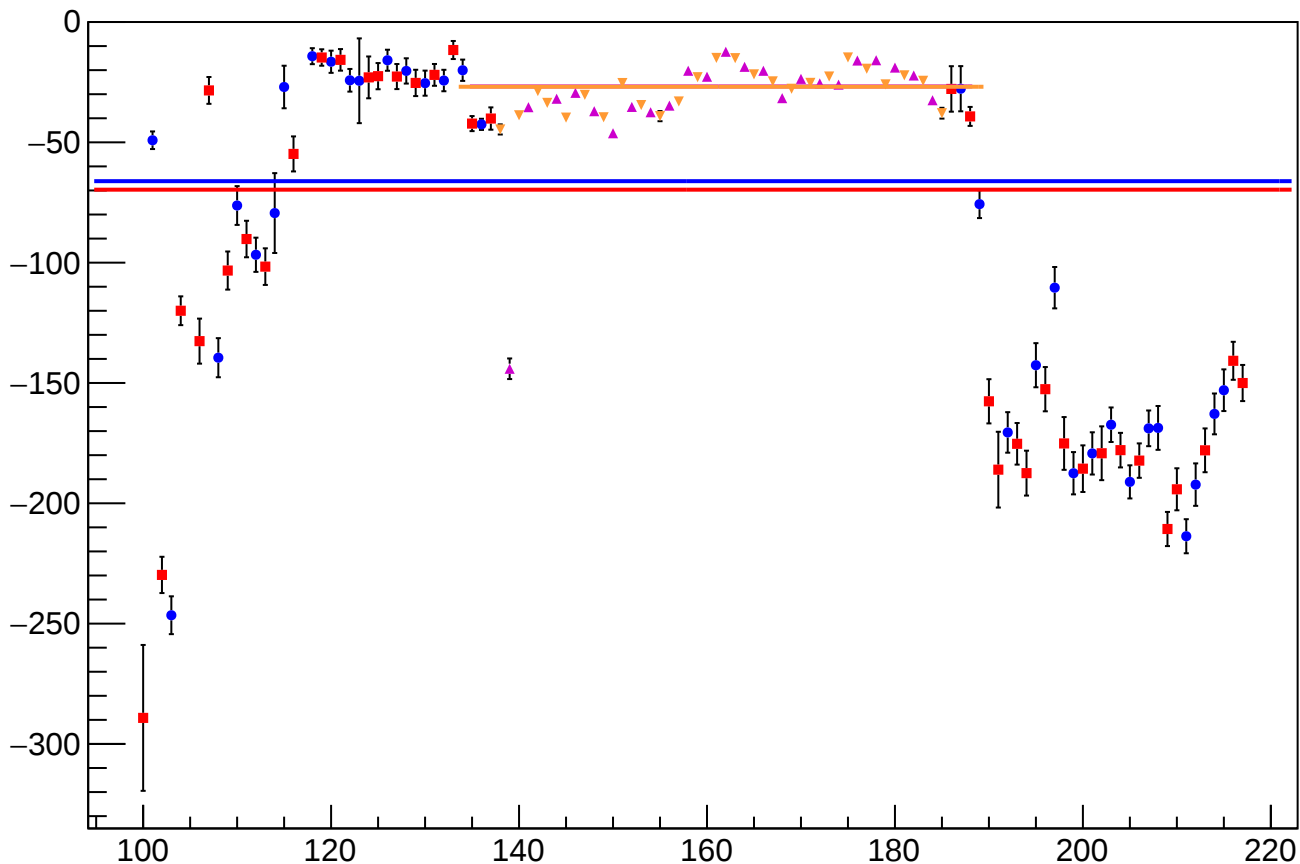
Left In: -42.304 ± 0.399 $\chi^2/\text{NDF}: 640.6/22$

+ sign -43.513 ± 0.374 $\chi^2/\text{NDF}: 1068.6/39$

All: -42.330 ± 0.267 $\chi^2/\text{NDF}: 2570.8/79$

- sign -41.099 ± 0.381 $\chi^2/\text{NDF}: 1481.7/39$

reg_asym_sam2_diff_bpm4aY_slope vs Slug



Right In: -66.135 ± 1.003 $\chi^2/\text{NDF}: 4027.7/31$

Left Out: -26.902 ± 0.316 $\chi^2/\text{NDF}: 631.0/24$

Right Out: -69.673 ± 1.024 $\chi^2/\text{NDF}: 4201.2/35$

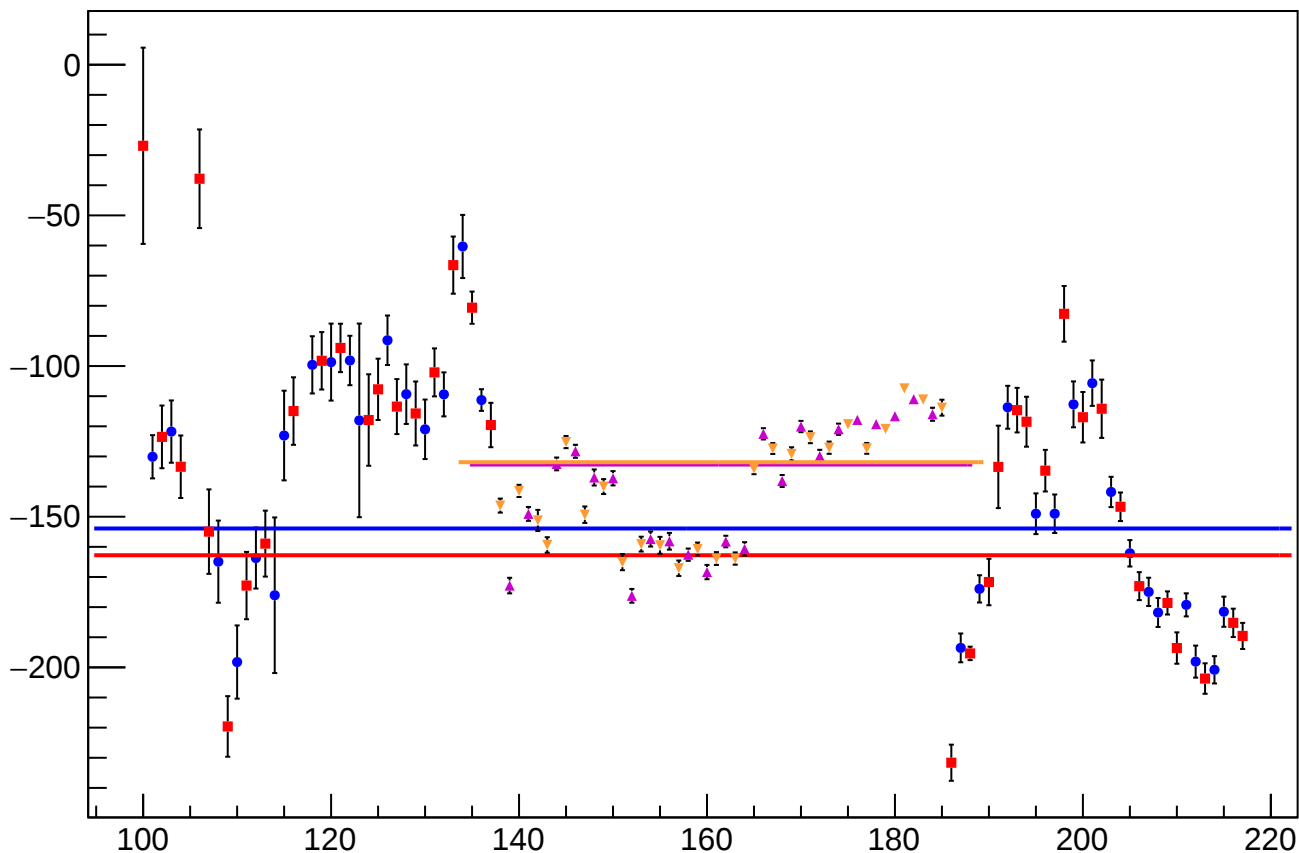
Left In: -26.774 ± 0.326 $\chi^2/\text{NDF}: 1394.5/22$

+ sign -30.450 ± 0.302 $\chi^2/\text{NDF}: 6050.3/56$

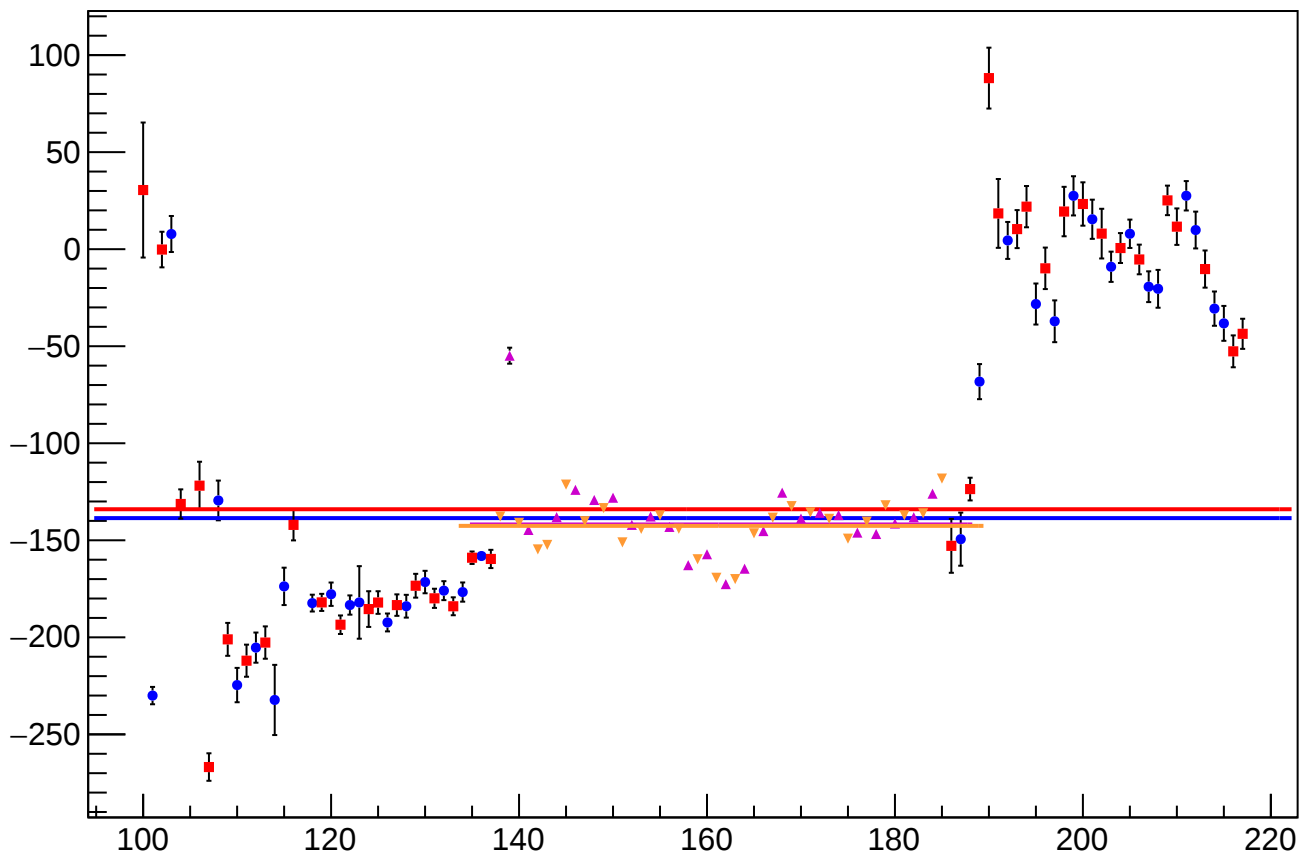
All: -30.585 ± 0.216 $\chi^2/\text{NDF}: 13239.7/115$

- sign -30.729 ± 0.311 $\chi^2/\text{NDF}: 7189.0/58$

reg_asym_sam2_diff_bpm4eX_slope vs Slug



reg_asym_sam2_diff_bpm4eY_slope vs Slug



Right In: -138.571 ± 1.123 χ^2/NDF : 4562.6/31

Left Out: -142.564 ± 0.354 χ^2/NDF : 1147.7/24

Right Out: -134.000 ± 1.165 χ^2/NDF : 4576.3/35

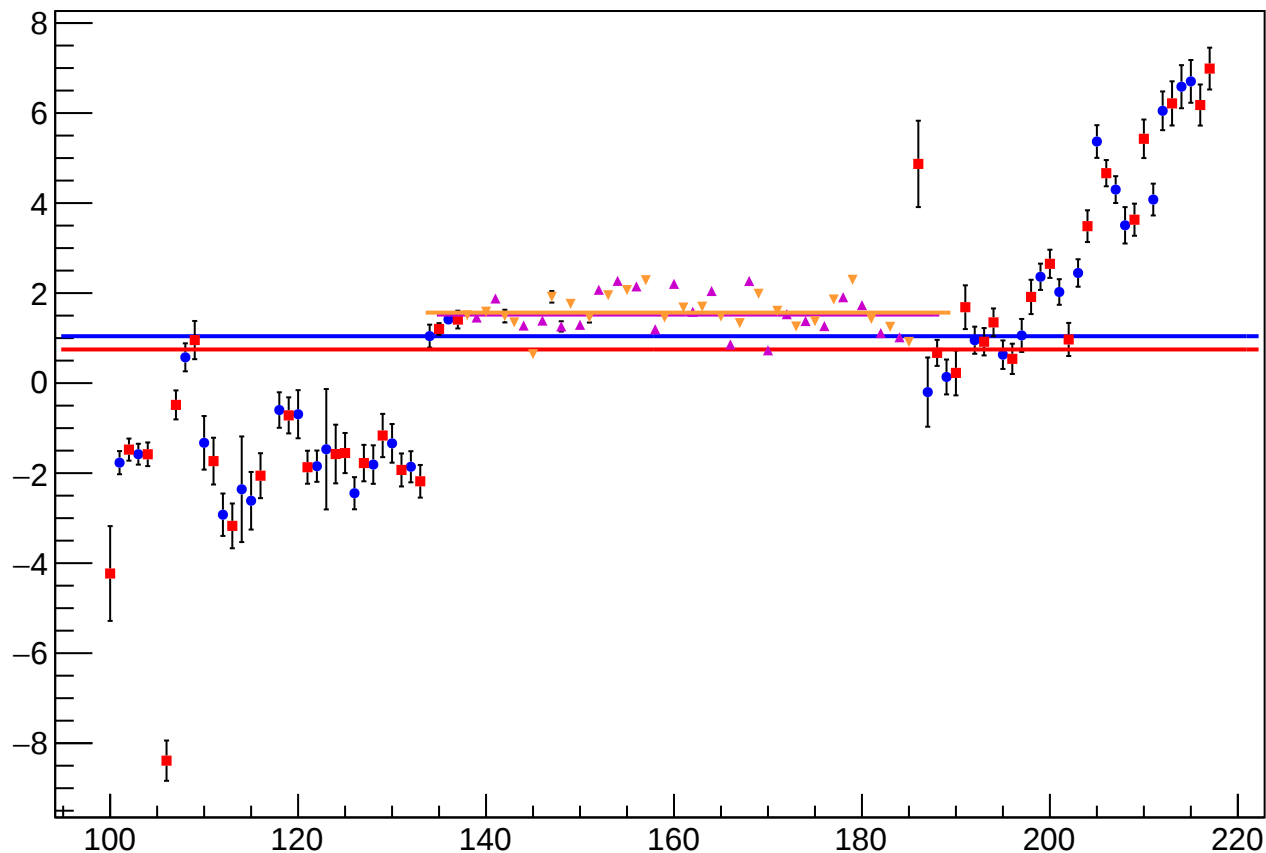
Left In: -141.856 ± 0.364 χ^2/NDF : 1544.3/22

+ sign -142.203 ± 0.338 χ^2/NDF : 5721.8/56

All: -141.696 ± 0.242 χ^2/NDF : 11888.5/115

- sign -141.159 ± 0.347 χ^2/NDF : 6162.0/58

reg_asym_sam2_diff_bpm12X_slope vs Slug



Right In: 1.042 ± 0.054 χ^2/NDF : 1580.8/31

Left Out: 1.566 ± 0.016 χ^2/NDF : 542.8/24

Right Out: 0.748 ± 0.056 χ^2/NDF : 1977.7/35

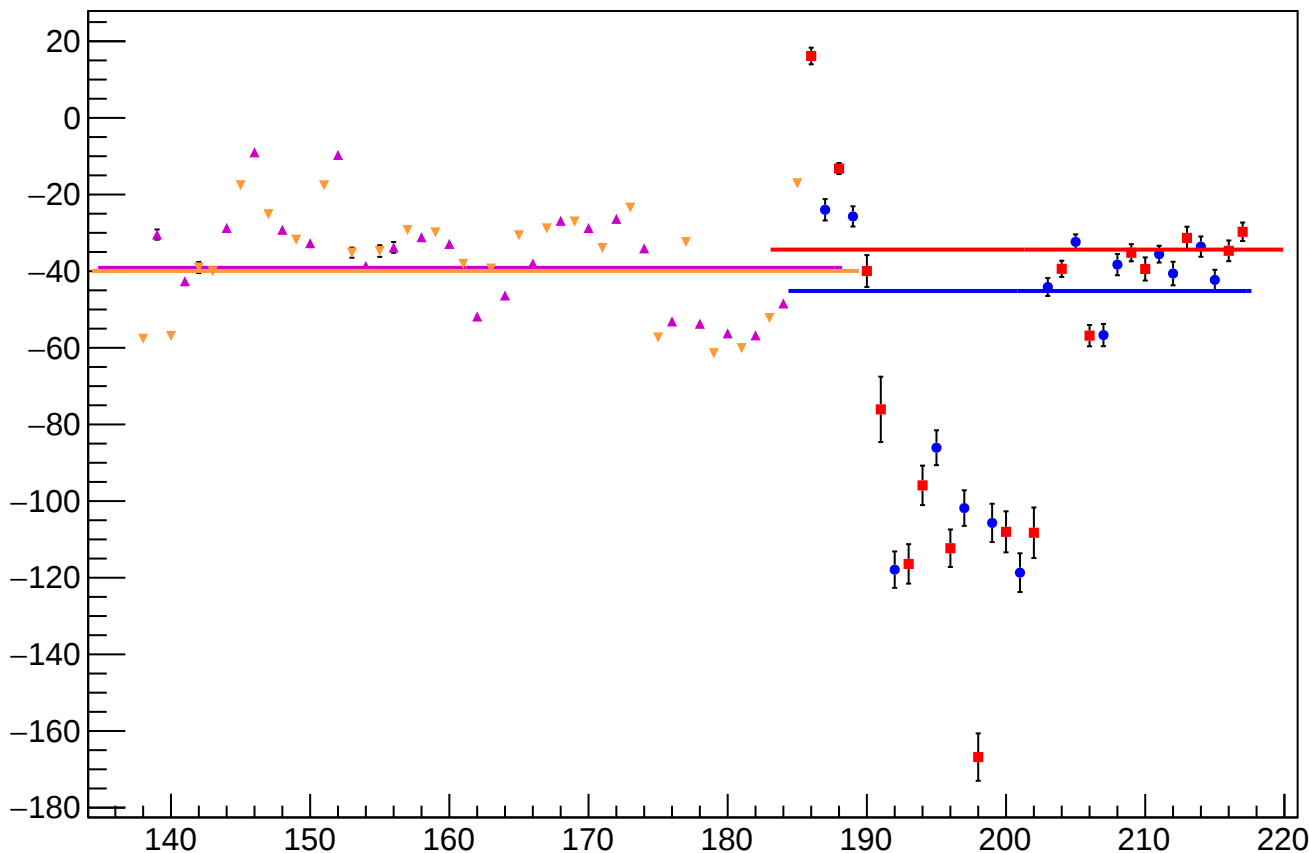
Left In: 1.523 ± 0.017 χ^2/NDF : 738.5/22

+ sign 1.523 ± 0.016 χ^2/NDF : 2209.3/56

All: 1.493 ± 0.011 χ^2/NDF : 5109.7/115

- sign 1.461 ± 0.016 χ^2/NDF : 2892.4/58

reg_asym_sam3_diff_bpm1X_slope vs Slug



Right In: -45.164 ± 0.749 χ^2/NDF : 1040.9/14

Left Out: -39.935 ± 0.153 χ^2/NDF : 9806.5/24

Right Out: -34.372 ± 0.697 χ^2/NDF : 2283.4/16

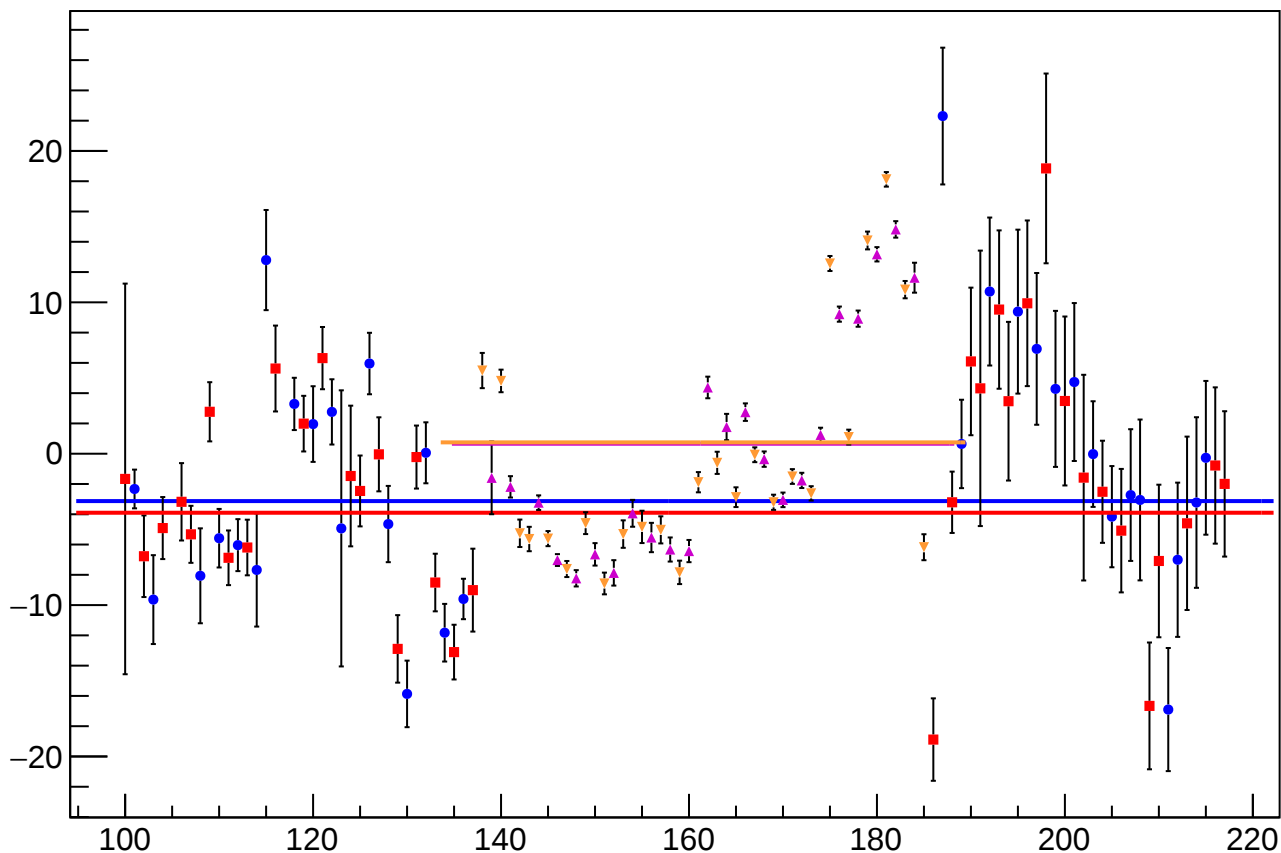
Left In: -39.137 ± 0.155 χ^2/NDF : 8534.5/22

+ sign -40.145 ± 0.150 χ^2/NDF : 10894.3/39

All: -39.533 ± 0.106 χ^2/NDF : 21790.2/79

- sign -38.914 ± 0.151 χ^2/NDF : 10862.4/39

reg_asym_sam3_diff_bpm4aY_slope vs Slug



Right In: -3.130 ± 0.457 $\chi^2/\text{NDF}: 231.5/31$

Left Out: 0.749 ± 0.124 $\chi^2/\text{NDF}: 3970.9/24$

Right Out: -3.900 ± 0.454 $\chi^2/\text{NDF}: 197.9/35$

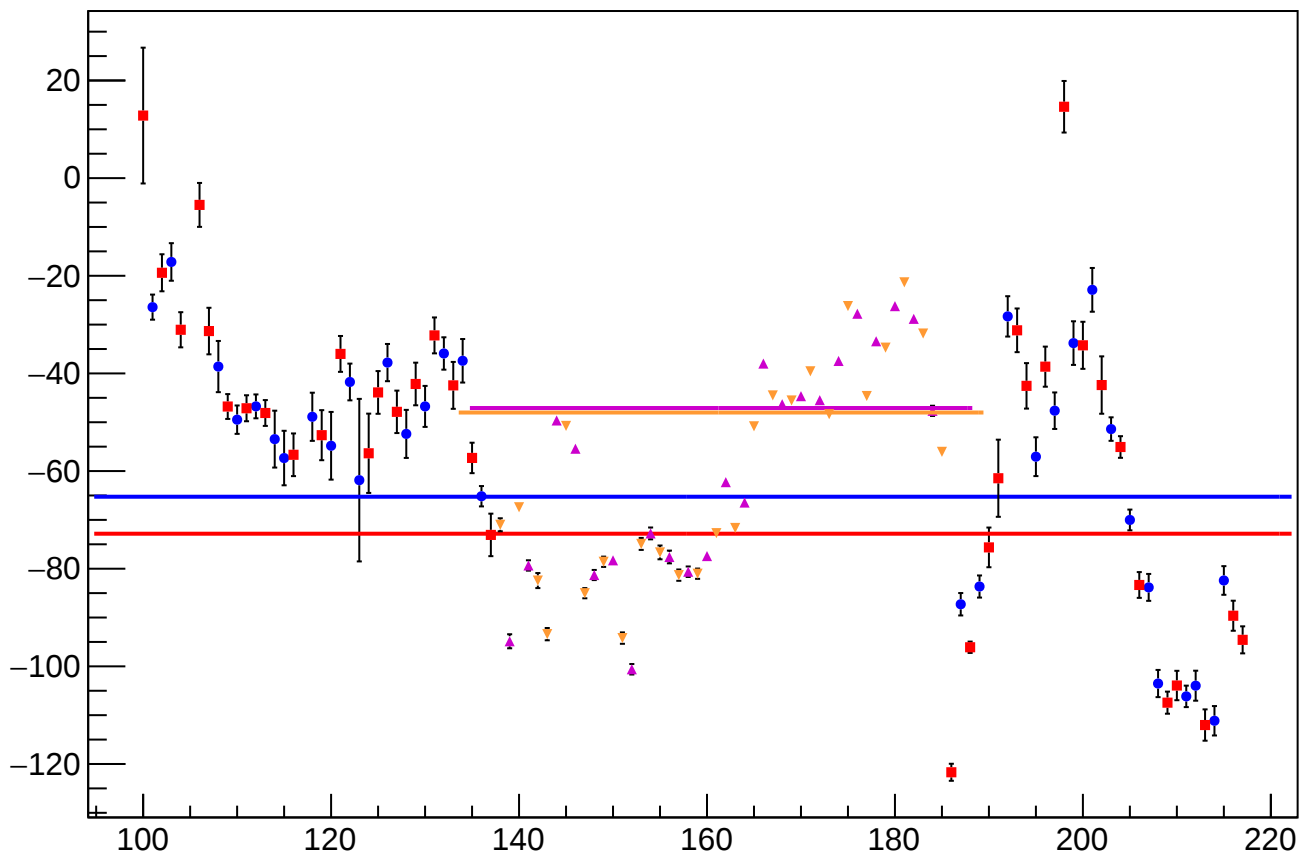
Left In: 0.660 ± 0.124 $\chi^2/\text{NDF}: 3337.8/22$

+ sign 0.482 ± 0.120 $\chi^2/\text{NDF}: 4269.6/56$

All: 0.412 ± 0.085 $\chi^2/\text{NDF}: 7899.9/115$

- sign 0.342 ± 0.120 $\chi^2/\text{NDF}: 3629.6/58$

reg_asym_sam3_diff_bpm4eX_slope vs Slug



Right In: -65.256 ± 0.564 χ^2/NDF : 2197.4/31

Left Out: -48.008 ± 0.155 χ^2/NDF : 16950.0/24

Right Out: -72.832 ± 0.521 χ^2/NDF : 3816.6/35

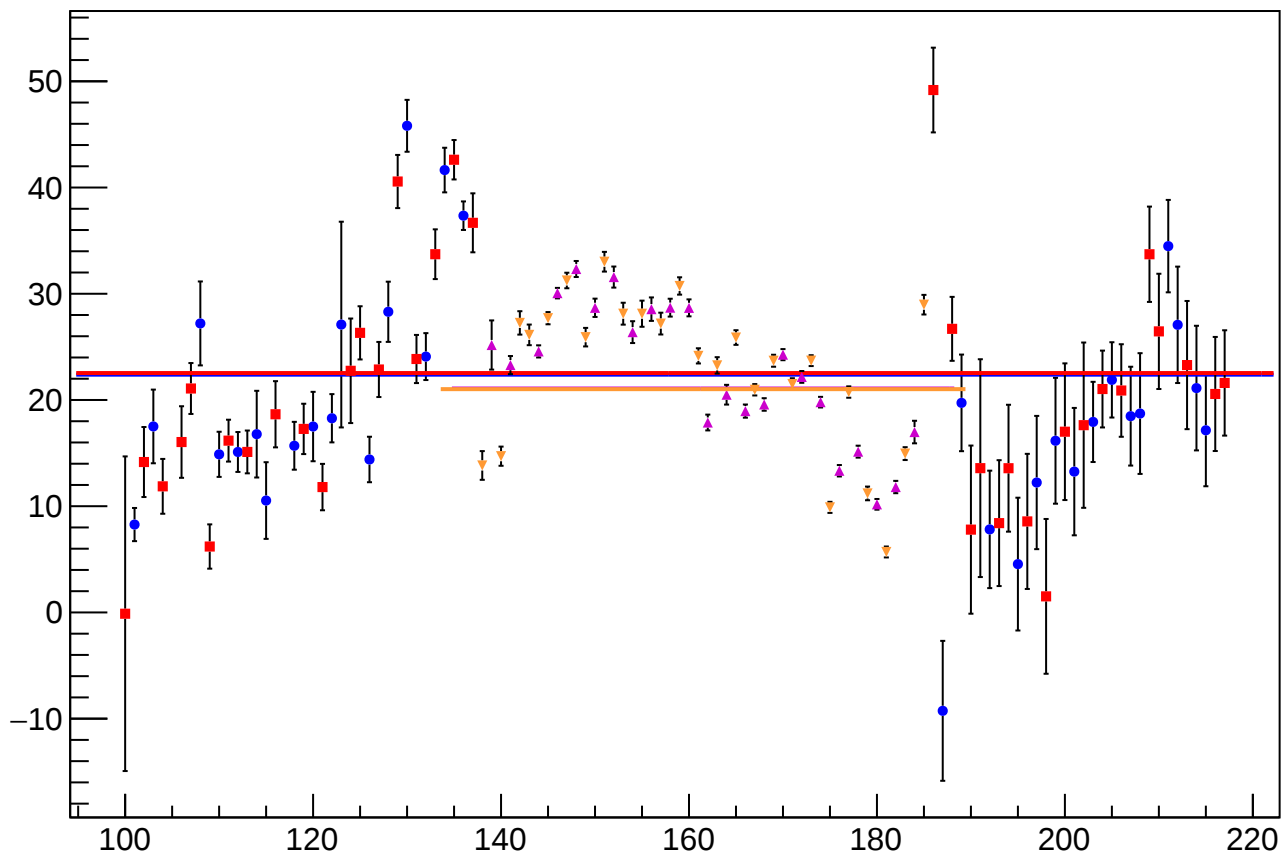
Left In: -47.085 ± 0.155 χ^2/NDF : 15515.2/22

+ sign -49.216 ± 0.149 χ^2/NDF : 20018.4/56

All: -49.203 ± 0.105 χ^2/NDF : 41596.9/115

- sign -49.191 ± 0.149 χ^2/NDF : 21578.5/58

reg_asym_sam3_diff_bpm4eY_slope vs Slug



Right In: 22.384 ± 0.514 χ^2/NDF : 515.6/31

Left Out: 21.020 ± 0.139 χ^2/NDF : 2799.3/24

Right Out: 22.536 ± 0.520 χ^2/NDF : 446.7/35

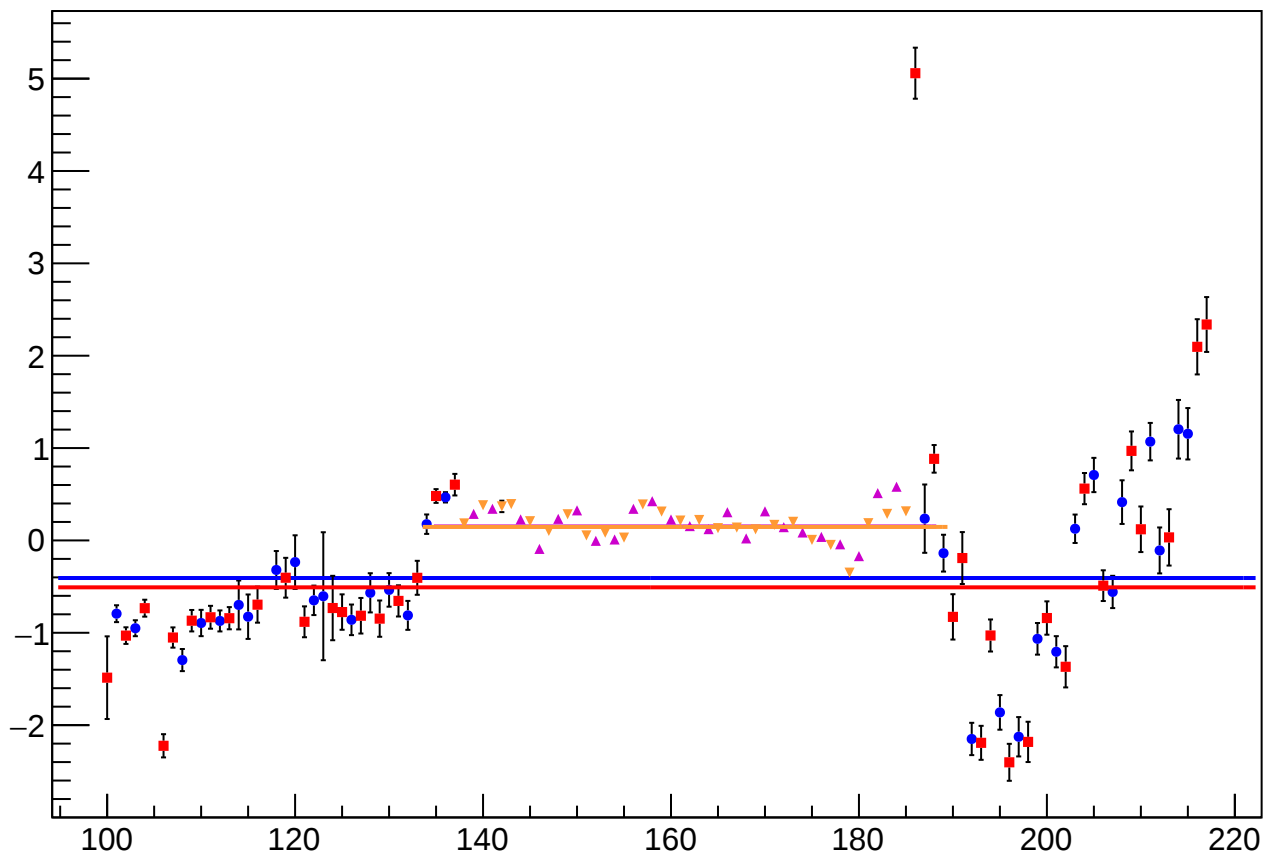
Left In: 21.079 ± 0.140 χ^2/NDF : 2173.2/22

+ sign 21.113 ± 0.134 χ^2/NDF : 3321.4/56

All: 21.144 ± 0.095 χ^2/NDF : 5948.7/115

- sign 21.177 ± 0.135 χ^2/NDF : 2627.2/58

reg_asym_sam3_diff_bpm12X_slope vs Slug



Right In: -0.407 ± 0.026 $\chi^2/\text{NDF}: 877.9/31$

Left Out: 0.146 ± 0.006 $\chi^2/\text{NDF}: 610.2/24$

Right Out: -0.508 ± 0.026 $\chi^2/\text{NDF}: 1582.8/35$

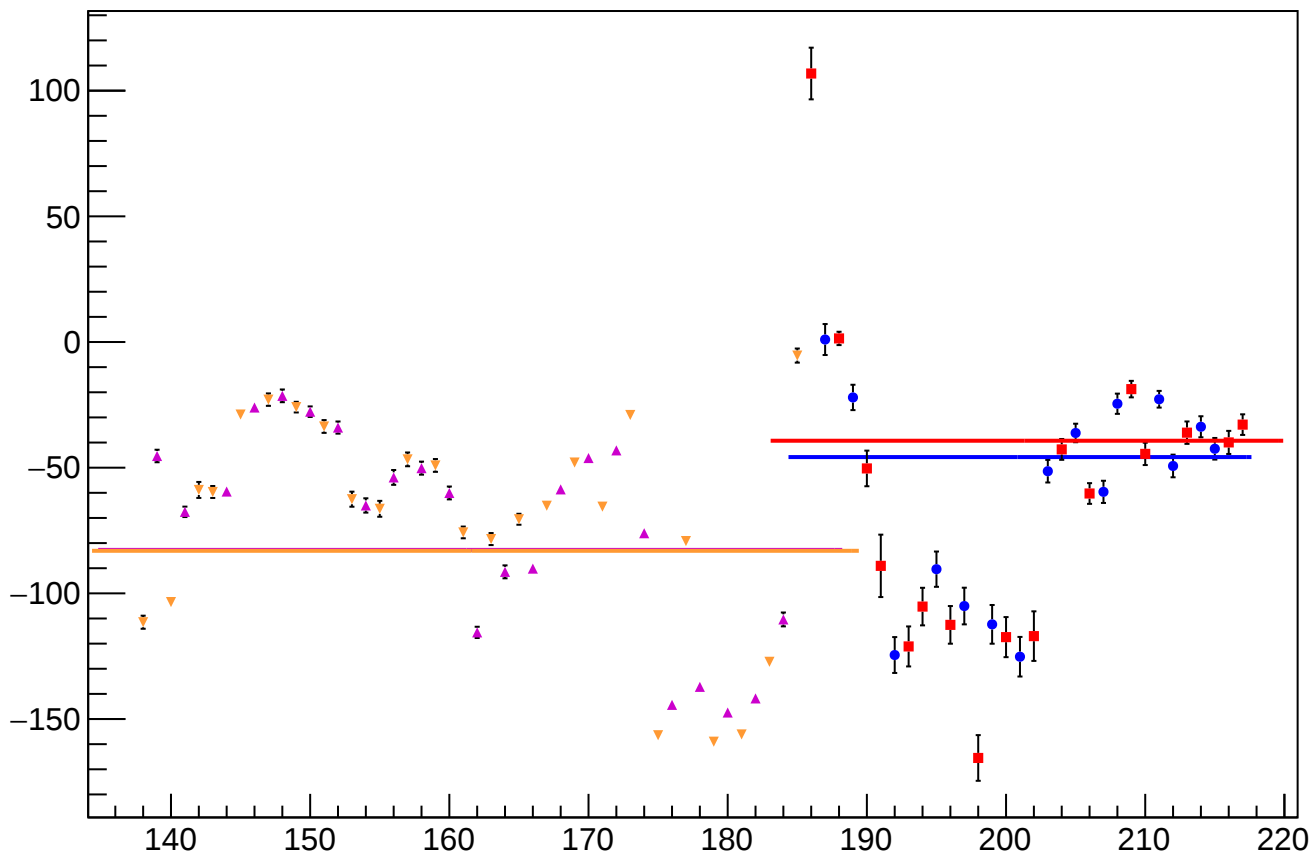
Left In: 0.151 ± 0.006 $\chi^2/\text{NDF}: 869.5/22$

+ sign 0.115 ± 0.006 $\chi^2/\text{NDF}: 1912.8/56$

All: 0.114 ± 0.004 $\chi^2/\text{NDF}: 4972.6/115$

- sign 0.113 ± 0.006 $\chi^2/\text{NDF}: 3059.8/58$

reg_asym_sam4_diff_bpm1X_slope vs Slug



Right In: -45.777 ± 1.246 $\chi^2/\text{NDF}: 587.7/14$

Left Out: -83.068 ± 0.406 $\chi^2/\text{NDF}: 13817.3/24$

Right Out: -39.276 ± 1.208 $\chi^2/\text{NDF}: 1156.4/16$

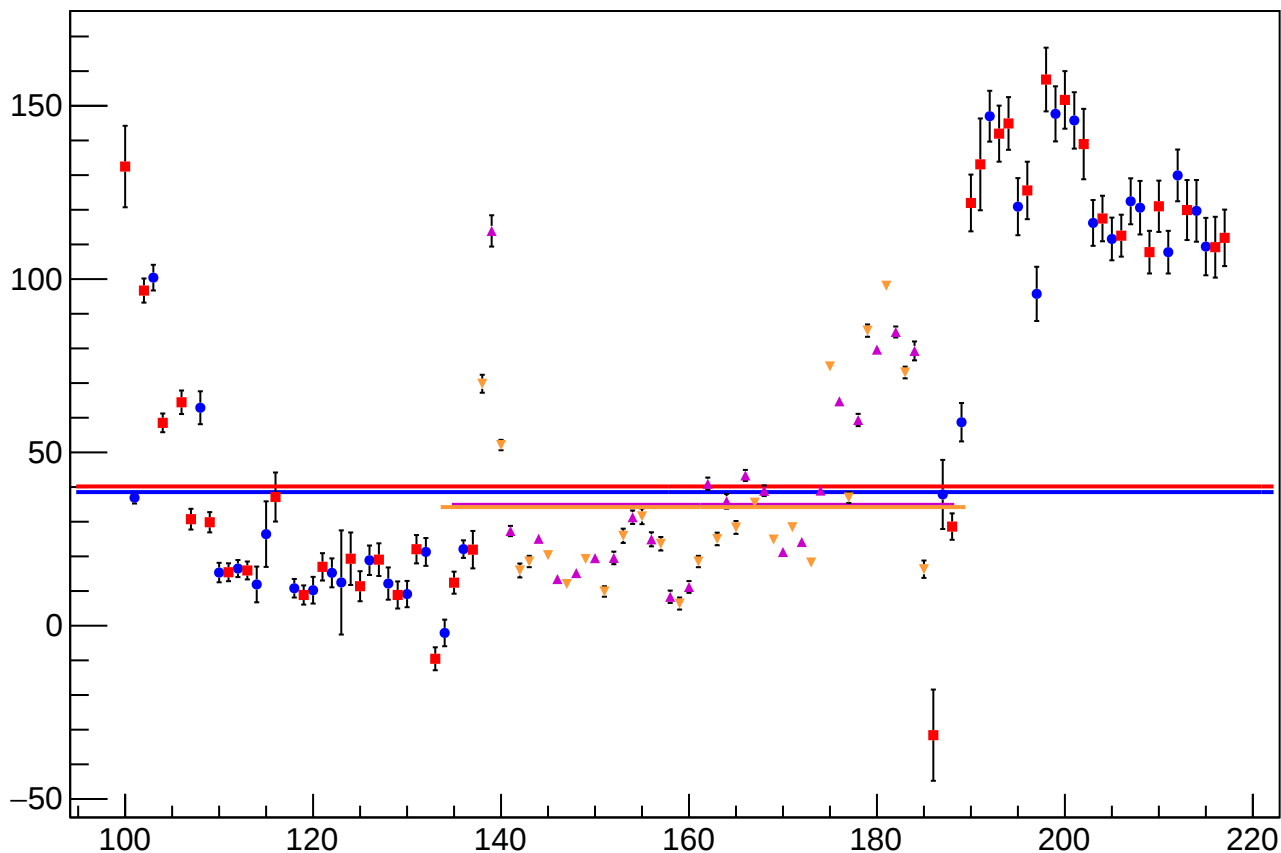
Left In: -82.711 ± 0.415 $\chi^2/\text{NDF}: 10841.4/22$

+ sign -79.481 ± 0.386 $\chi^2/\text{NDF}: 15215.0/39$

All: -78.813 ± 0.275 $\chi^2/\text{NDF}: 28375.4/79$

- sign -78.122 ± 0.393 $\chi^2/\text{NDF}: 13154.2/39$

reg_asym_sam4_diff_bpm4aY_slope vs Slug



Right In: 38.544+/-0.742 χ^2 /NDF: 2697.0/31

Left Out: 34.219+/-0.320 χ^2 /NDF:6192.6/24

Right Out: 40.175+/-0.738 χ^2 /NDF: 3081.1/35

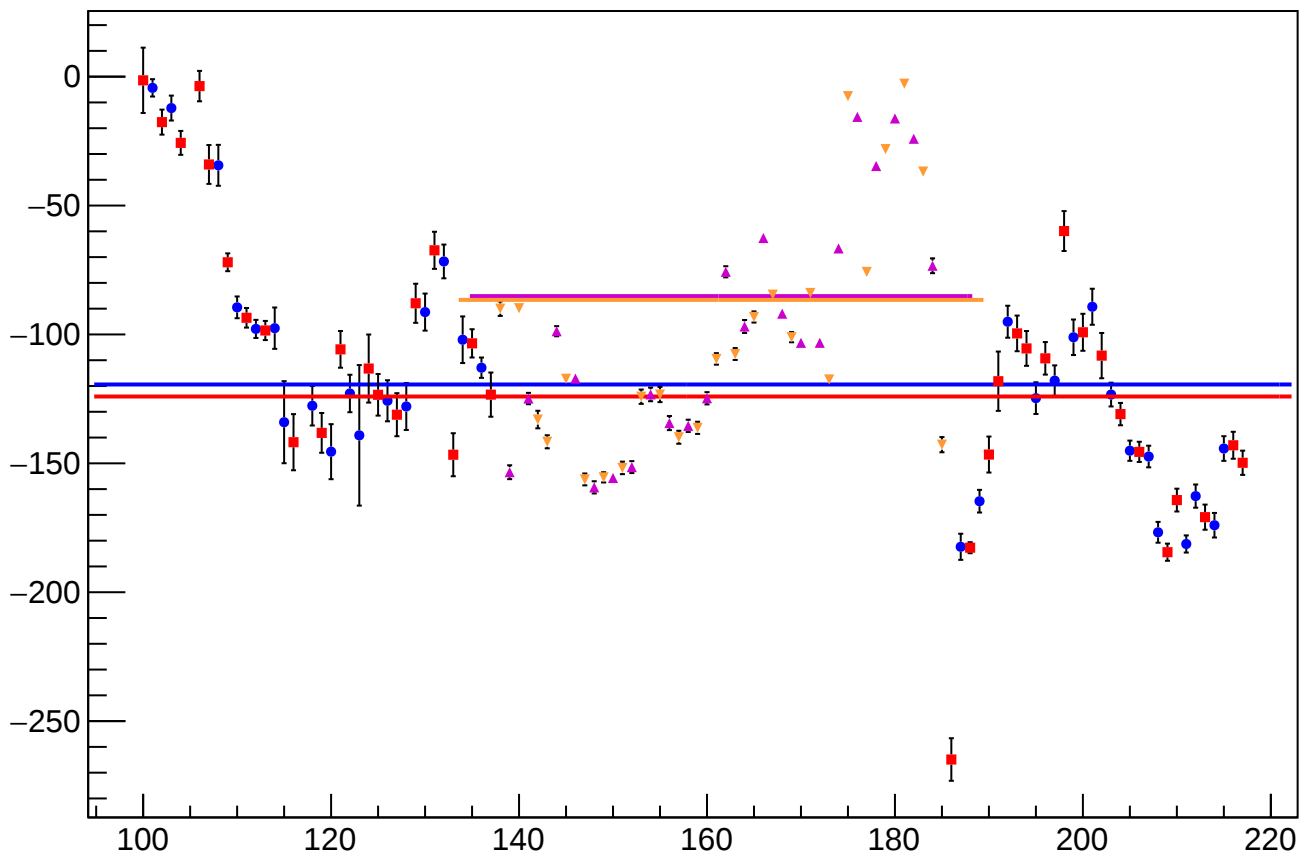
Left In: 34.870+/-0.329 χ^2 /NDF:4716.1/22

+ sign 34.898+/-0.294 χ^2 /NDF: 8918.3/56

All: 35.315+/-0.210 χ^2 /NDF: 16762.7/115

- sign 35.750+/-0.301 χ^2 /NDF: 7840.3/58

reg_asym_sam4_diff_bpm4eX_slope vs Slug



Right In: -119.411 ± 0.926 χ^2/NDF : 3141.8/31

Left Out: -86.595 ± 0.408 χ^2/NDF : 14515.7/24

Right Out: -124.077 ± 0.875 χ^2/NDF : 3783.7/35

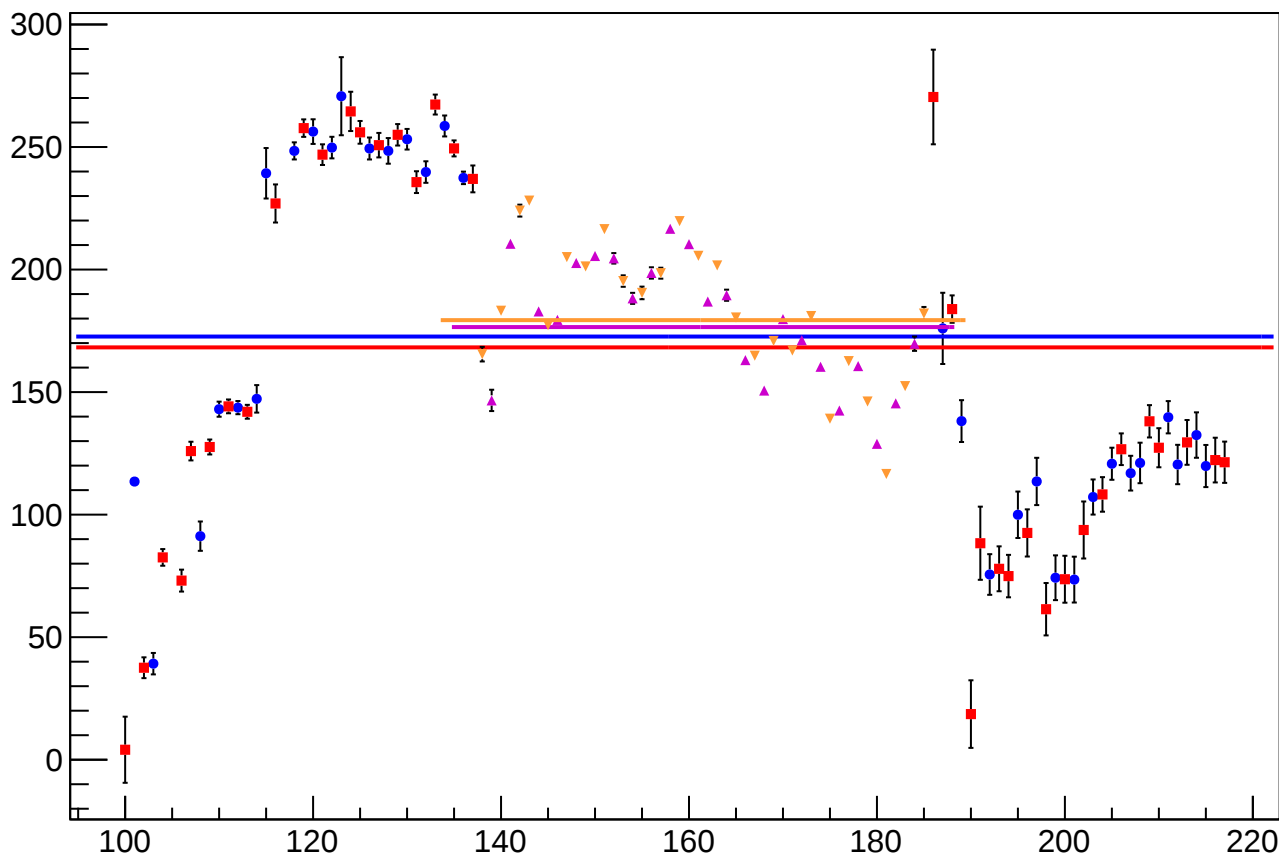
Left In: -85.134 ± 0.415 χ^2/NDF : 12841.3/22

+ sign -91.943 ± 0.374 χ^2/NDF : 18709.6/56

All: -92.115 ± 0.265 χ^2/NDF : 36952.2/115

- sign -92.287 ± 0.375 χ^2/NDF : 18242.2/58

reg_asym_sam4_diff_bpm4eY_slope vs Slug



Right In: 172.667 ± 0.845 $\chi^2/\text{NDF}: 6304.9/31$

Left Out: 179.359 ± 0.362 $\chi^2/\text{NDF}: 5982.2/24$

Right Out: 168.244 ± 0.846 $\chi^2/\text{NDF}: 7376.3/35$

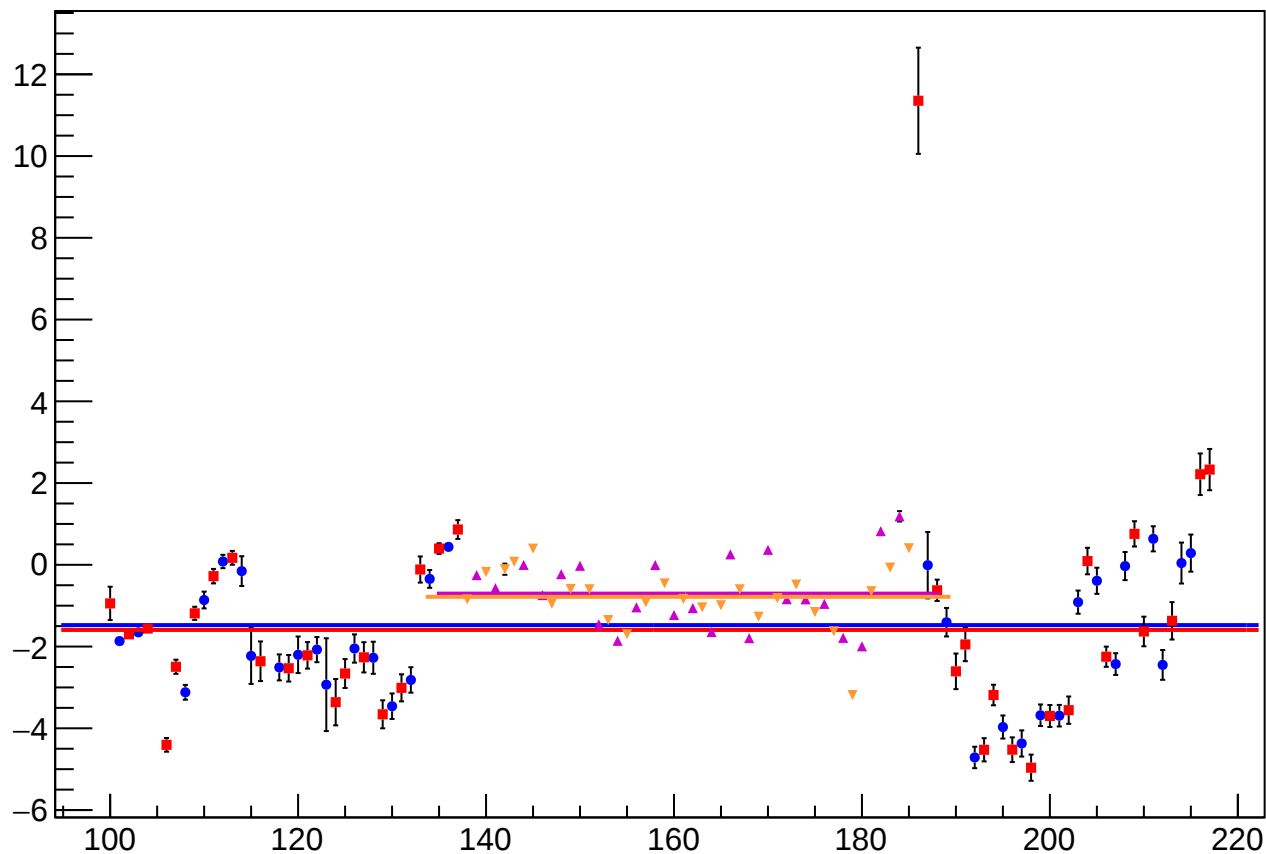
Left In: 176.531 ± 0.371 $\chi^2/\text{NDF}: 4426.0/22$

+ sign 178.322 ± 0.333 $\chi^2/\text{NDF}: 12340.1/56$

All: 176.792 ± 0.238 $\chi^2/\text{NDF}: 24266.1/115$

- sign 175.195 ± 0.340 $\chi^2/\text{NDF}: 11882.7/58$

reg_asym_sam4_diff_bpm12X_slope vs Slug



Right In: -1.475 ± 0.042 χ^2/NDF : 1234.5/31

Left Out: -0.783 ± 0.017 χ^2/NDF : 1771.6/24

Right Out: -1.594 ± 0.040 χ^2/NDF : 1714.5/35

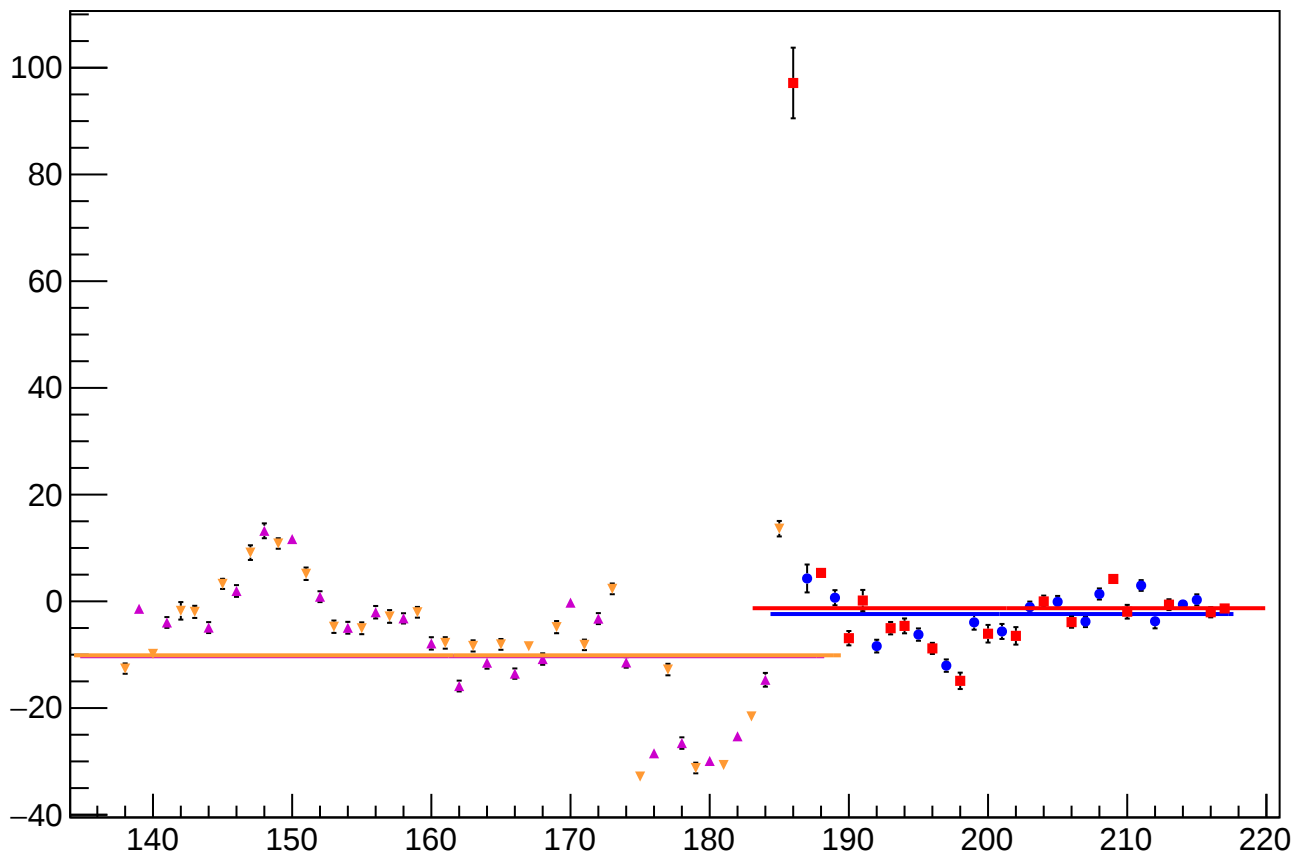
Left In: -0.705 ± 0.017 χ^2/NDF : 2407.7/22

+ sign -0.878 ± 0.015 χ^2/NDF : 3244.3/56

All: -0.860 ± 0.011 χ^2/NDF : 7791.3/115

- sign -0.841 ± 0.016 χ^2/NDF : 4544.0/58

reg_asym_sam5_diff_bpm1X_slope vs Slug



Right In: -2.381 ± 0.300 χ^2/NDF : 183.6/14

Left Out: -10.117 ± 0.201 χ^2/NDF : 4138.1/24

Right Out: -1.289 ± 0.272 χ^2/NDF : 559.2/16

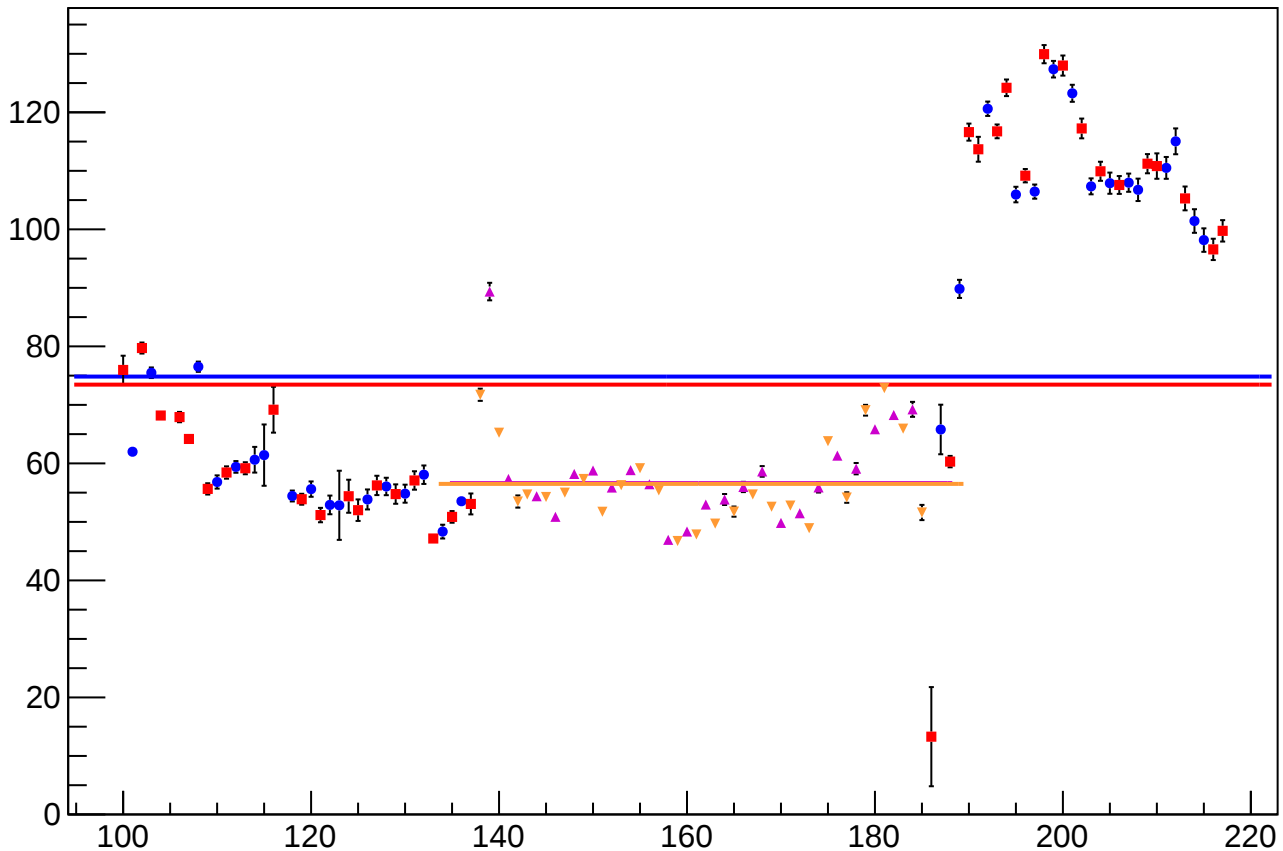
Left In: -10.290 ± 0.205 χ^2/NDF : 3451.0/22

+ sign -7.718 ± 0.167 χ^2/NDF : 4779.3/39

All: -7.362 ± 0.117 χ^2/NDF : 9495.6/79

- sign -7.021 ± 0.164 χ^2/NDF : 4707.4/39

reg_asym_sam5_diff_bpm4aY_slope vs Slug



Right In: 74.838+/-0.222 χ^2/NDF : 11672.8/31

Left Out: 56.496+/-0.159 χ^2/NDF : 1968.0/24

Right Out: 73.460+/-0.207 χ^2/NDF : 15031.1/35

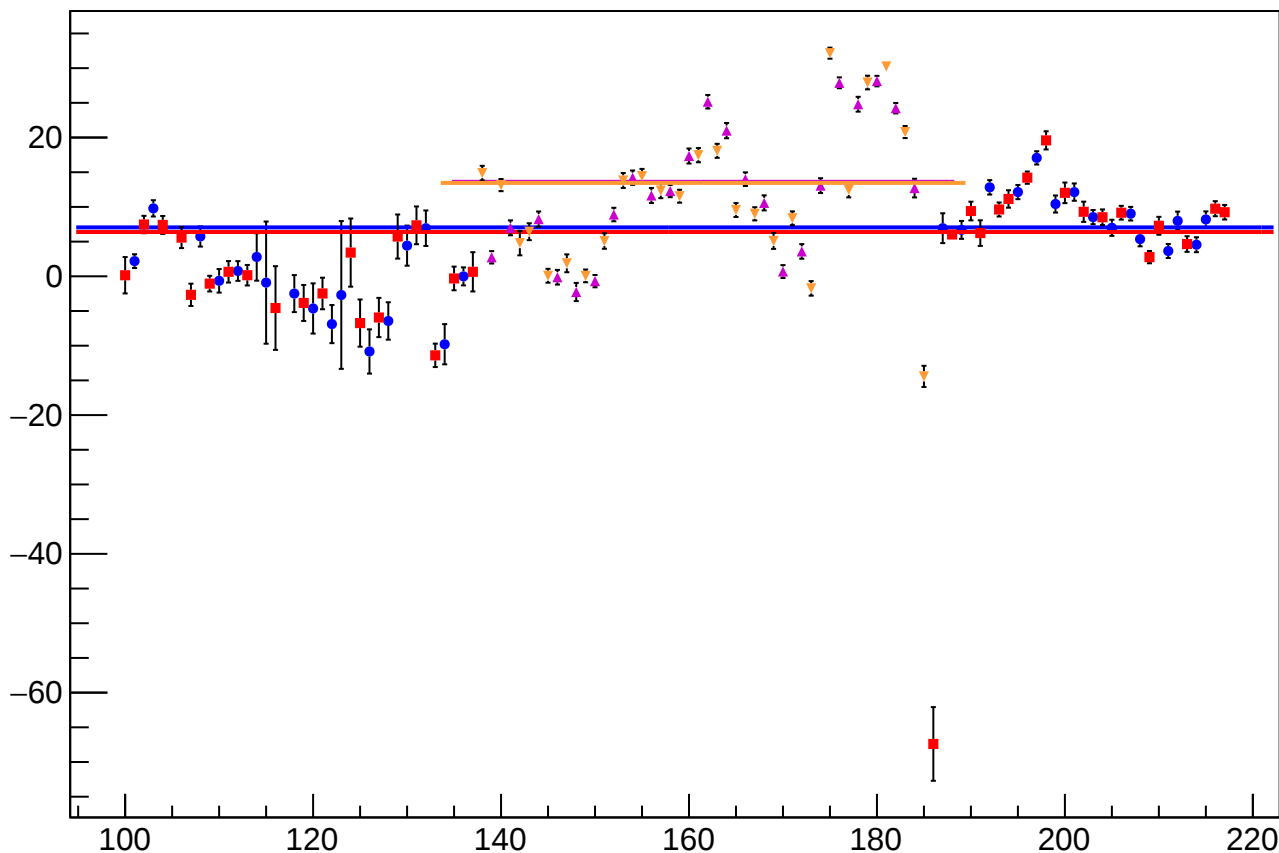
Left In: 56.635+/-0.165 χ^2/NDF : 1607.9/22

+ sign 62.708+/-0.129 χ^2/NDF : 18155.1/56

All: 62.944+/-0.091 χ^2/NDF : 38838.4/115

- sign 63.179+/-0.129 χ^2/NDF : 20676.7/58

reg_asym_sam5_diff_bpm4eX_slope vs Slug



Right In: 7.049 ± 0.245 χ^2/NDF : 459.5/31

Left Out: 13.462 ± 0.202 χ^2/NDF : 2736.3/24

Right Out: 6.382 ± 0.220 χ^2/NDF : 782.2/35

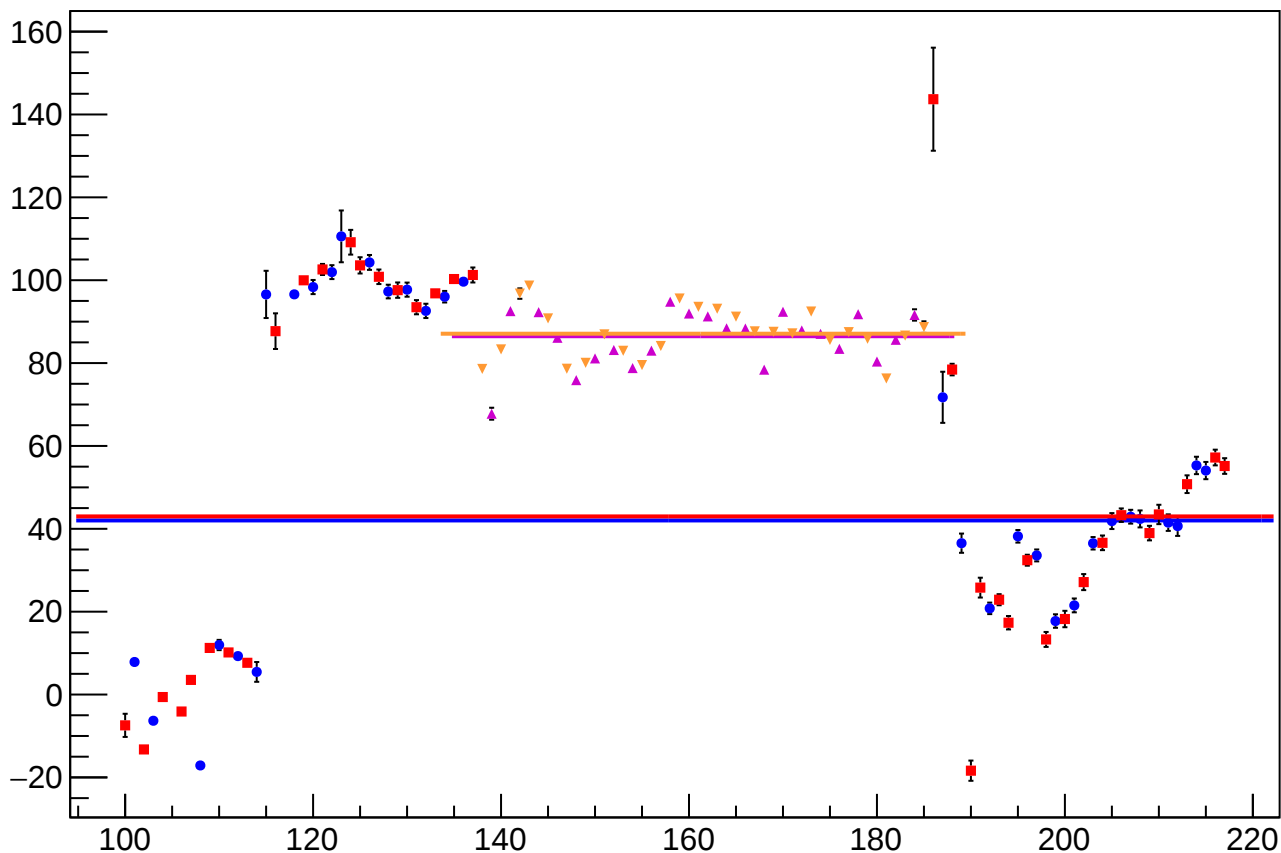
Left In: 13.620 ± 0.204 χ^2/NDF : 2315.4/22

+ sign 10.877 ± 0.156 χ^2/NDF : 3604.2/56

All: 10.556 ± 0.108 χ^2/NDF : 7291.9/115

- sign 10.260 ± 0.150 χ^2/NDF : 3679.5/58

reg_asym_sam5_diff_bpm4eY_slope vs Slug



Right In: 42.018 $\pm$ 0.255 χ^2 /NDF: 25547.0/31

Left Out: 87.087 $\pm$ 0.179 χ^2 /NDF:1085.8/24

Right Out: 42.992 $\pm$ 0.242 χ^2 /NDF: 30877.1/35

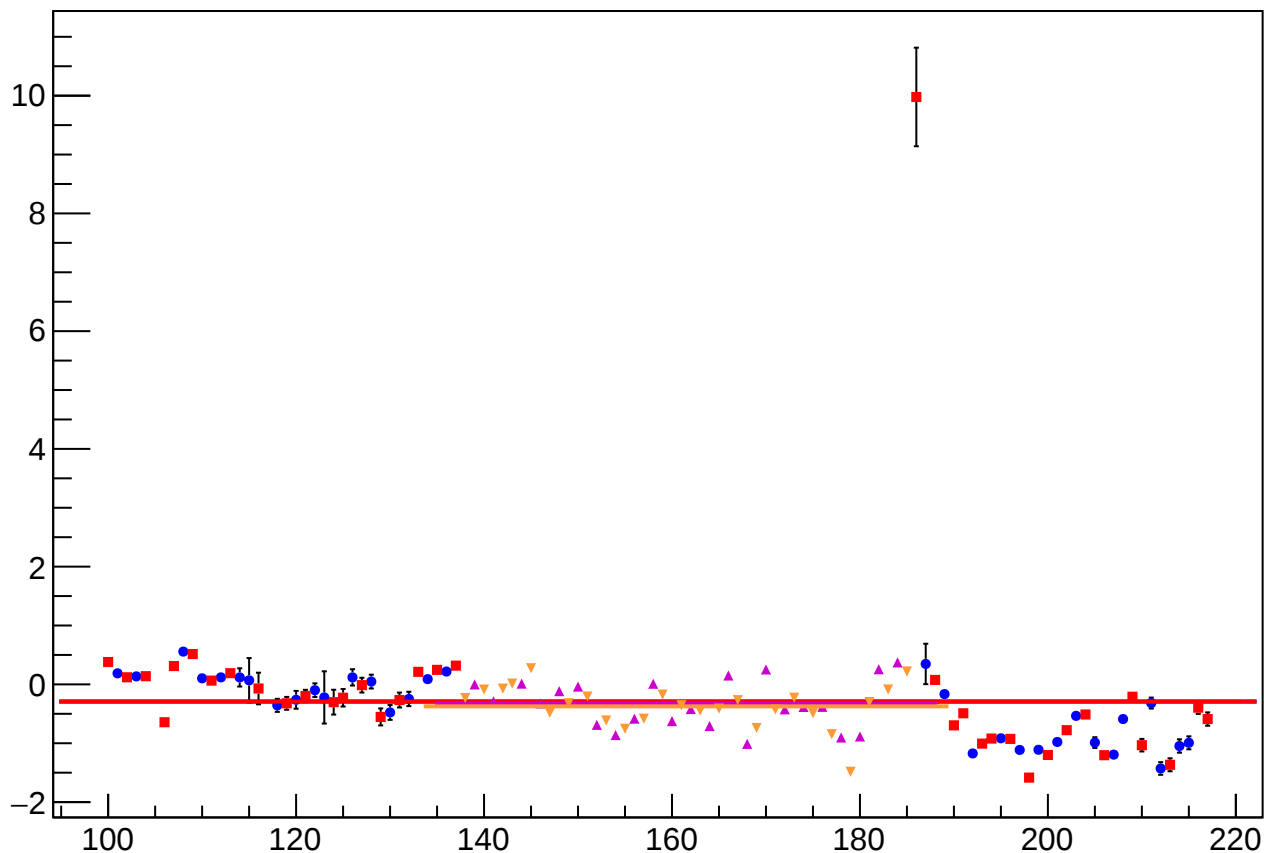
Left In: 86.482 $\pm$ 0.185 χ^2 /NDF:1003.2/22

+ sign 72.236 $\pm$ 0.147 χ^2 /NDF: 47503.3/56

All: 71.354 $\pm$ 0.104 χ^2 /NDF: 99887.7/115

- sign 70.470 $\pm$ 0.147 χ^2 /NDF: 52312.0/58

reg_asym_sam5_diff_bpm12X_slope vs Slug



Right In: -0.291 ± 0.011 χ^2/NDF : 3395.8/31

Left Out: -0.373 ± 0.008 χ^2/NDF : 1668.6/24

Right Out: -0.293 ± 0.010 χ^2/NDF : 3711.7/35

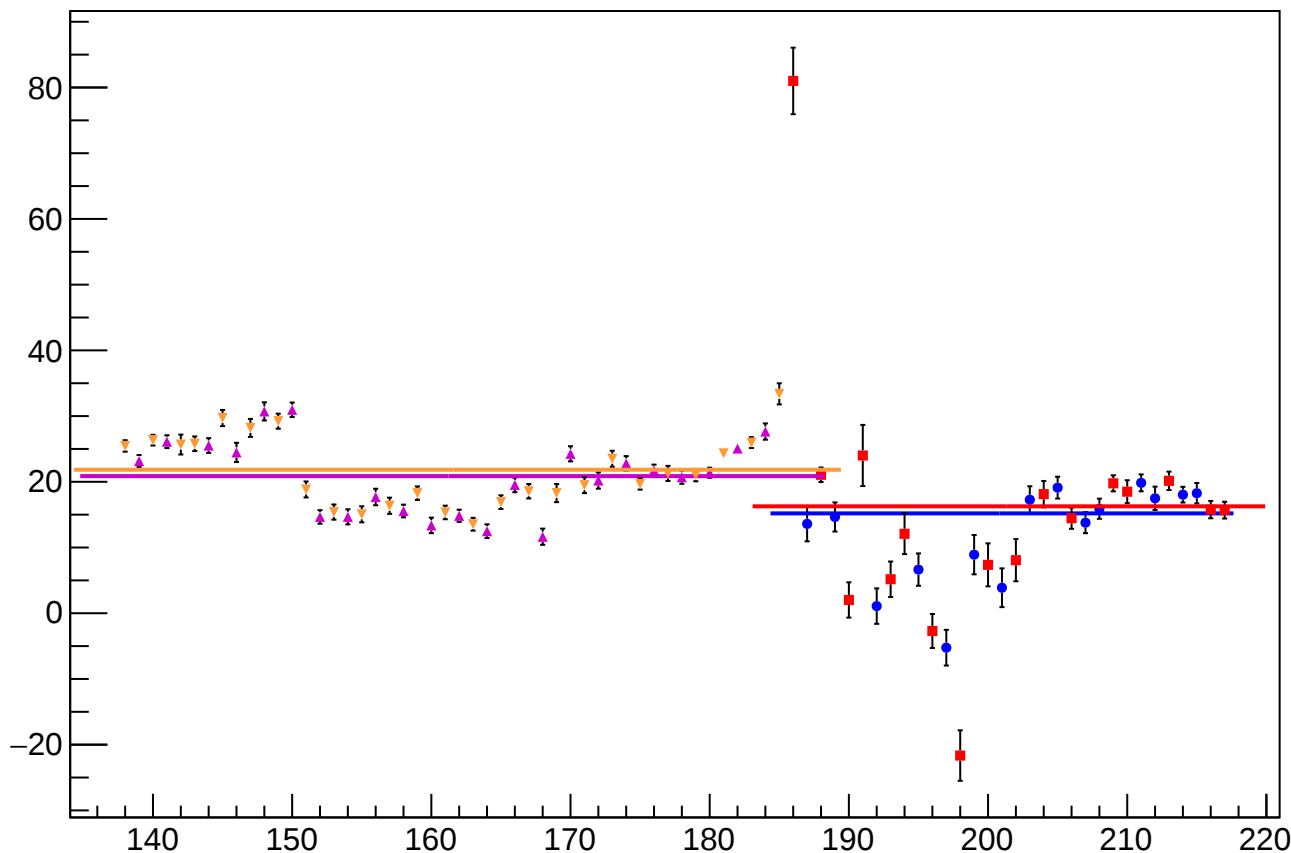
Left In: -0.325 ± 0.008 χ^2/NDF : 2284.1/22

+ sign -0.343 ± 0.006 χ^2/NDF : 5102.7/56

All: -0.327 ± 0.005 χ^2/NDF : 11116.3/115

- sign -0.312 ± 0.006 χ^2/NDF : 6002.1/58

reg_asym_sam6_diff_bpm1X_slope vs Slug



Right In: 15.194 $\pm$ 0.473 χ^2 /NDF: 147.4/14

Left Out: 21.836 $\pm$ 0.210 χ^2 /NDF: 524.3/24

Right Out: 16.268 $\pm$ 0.446 χ^2 /NDF: 417.1/16

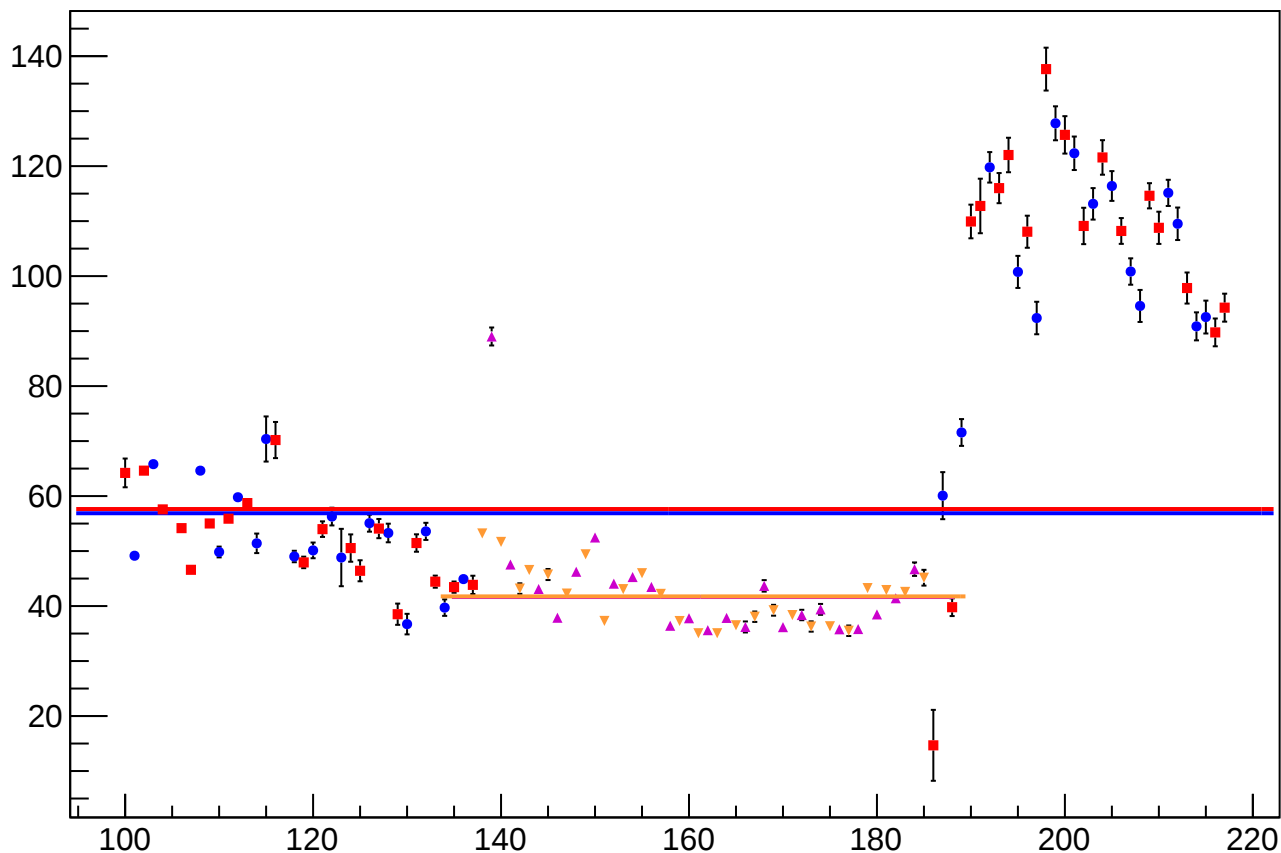
Left In: 20.866 $\pm$ 0.217 χ^2 /NDF: 576.9/22

+ sign 20.746 $\pm$ 0.192 χ^2 /NDF: 836.3/39

All: 20.374 $\pm$ 0.137 χ^2 /NDF: 1923.7/79

- sign 19.989 $\pm$ 0.195 χ^2 /NDF: 1079.8/39

reg_asym_sam6_diff_bpm4aY_slope vs Slug



Right In: 56.877 ± 0.203 χ^2/NDF : 6058.9/31

Left Out: 41.757 ± 0.165 χ^2/NDF : 1015.7/24

Right Out: 57.645 ± 0.215 χ^2/NDF : 6433.5/35

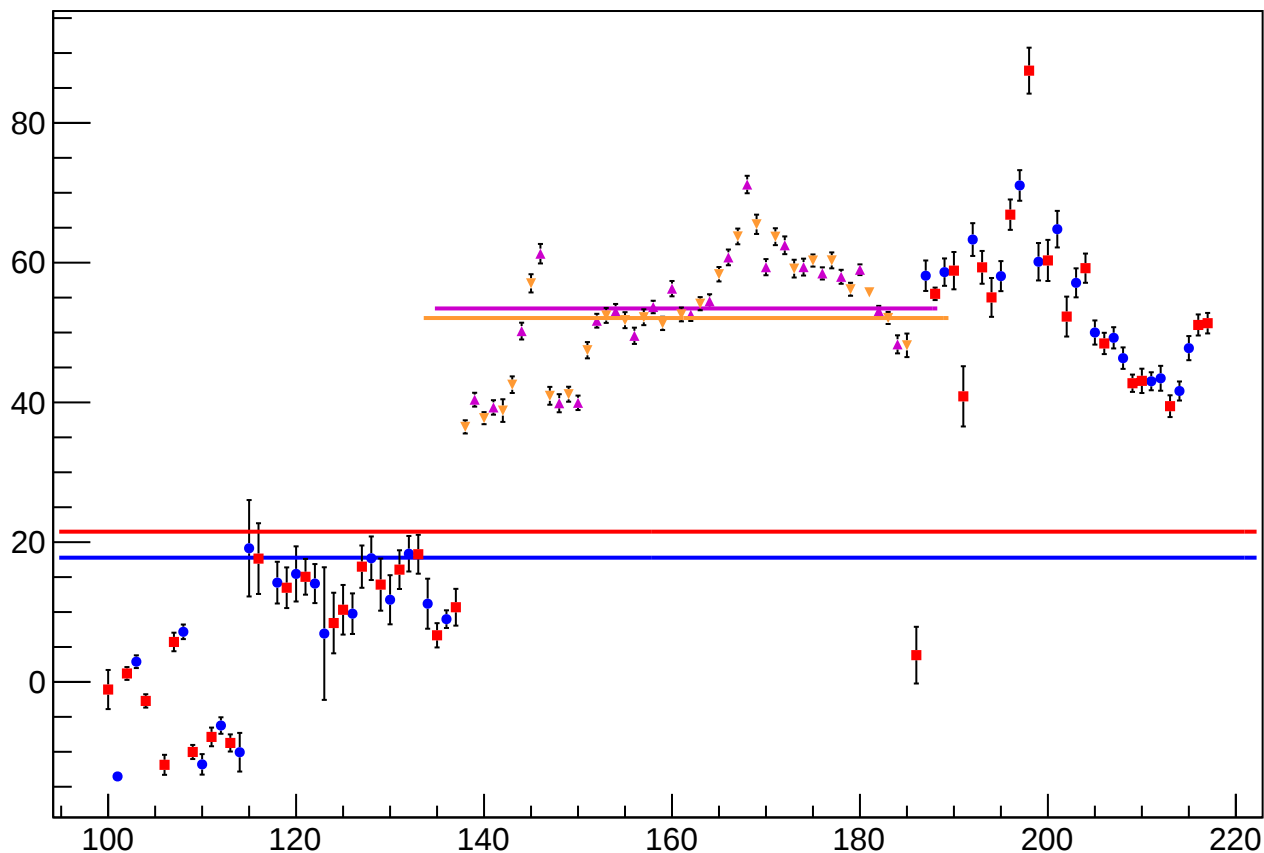
Left In: 41.643 ± 0.174 χ^2/NDF : 1611.0/22

+ sign 47.801 ± 0.128 χ^2/NDF : 10417.0/56

All: 47.878 ± 0.093 χ^2/NDF : 21811.5/115

- sign 47.964 ± 0.135 χ^2/NDF : 11393.8/58

reg_asym_sam6_diff_bpm4eX_slope vs Slug



Right In: 17.781 ± 0.287 $\chi^2/\text{NDF}: 9246.2/31$

Left Out: 52.076 ± 0.210 $\chi^2/\text{NDF}: 1450.9/24$

Right Out: 21.504 ± 0.285 $\chi^2/\text{NDF}: 9320.5/35$

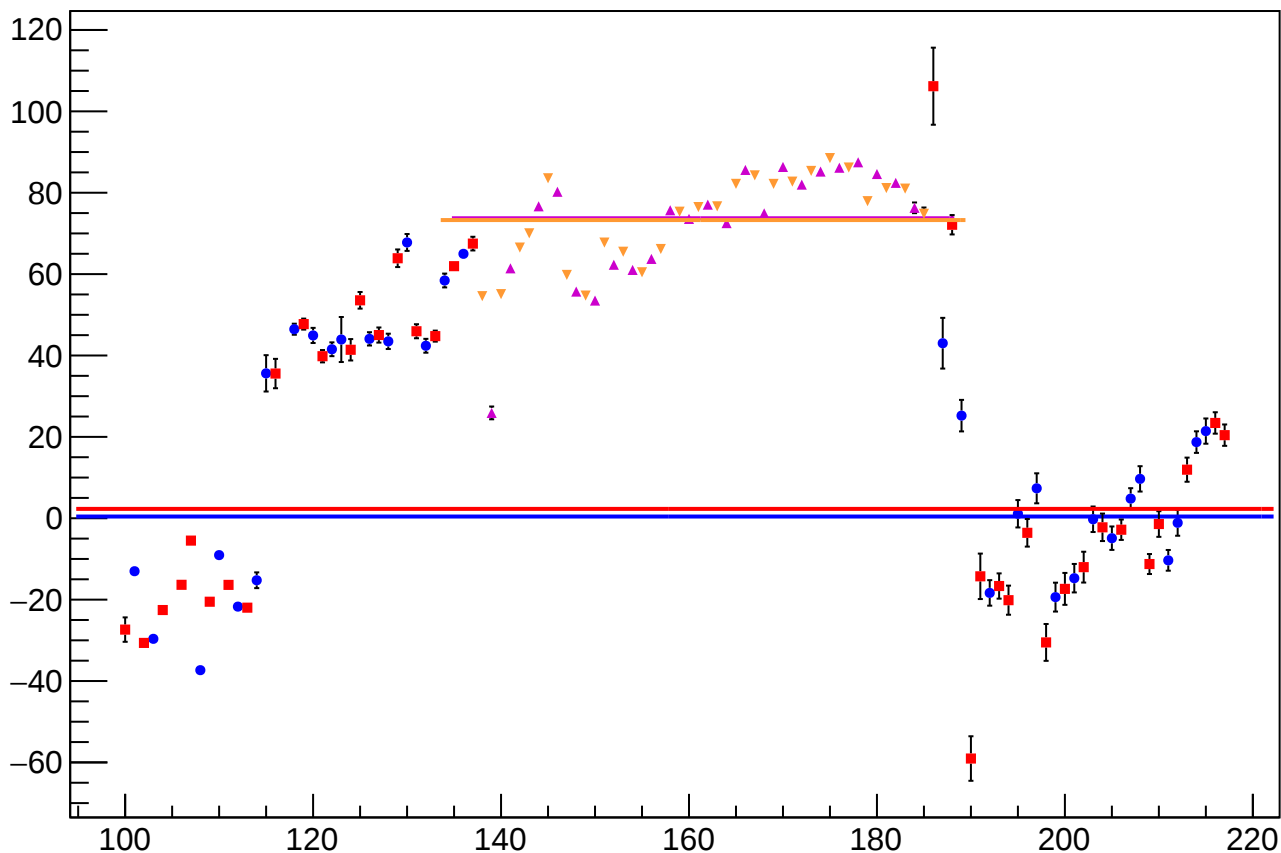
Left In: 53.447 ± 0.215 $\chi^2/\text{NDF}: 1169.0/22$

+ sign 40.144 ± 0.170 $\chi^2/\text{NDF}: 19975.8/56$

All: 40.969 ± 0.121 $\chi^2/\text{NDF}: 38524.8/115$

- sign 41.816 ± 0.172 $\chi^2/\text{NDF}: 18501.0/58$

reg_asym_sam6_diff_bpm4eY_slope vs Slug



Right In: 0.427 ± 0.237 χ^2/NDF : 18524.2/31

Left Out: 73.284 ± 0.187 χ^2/NDF : 3144.2/24

Right Out: 2.303 ± 0.253 χ^2/NDF : 16860.8/35

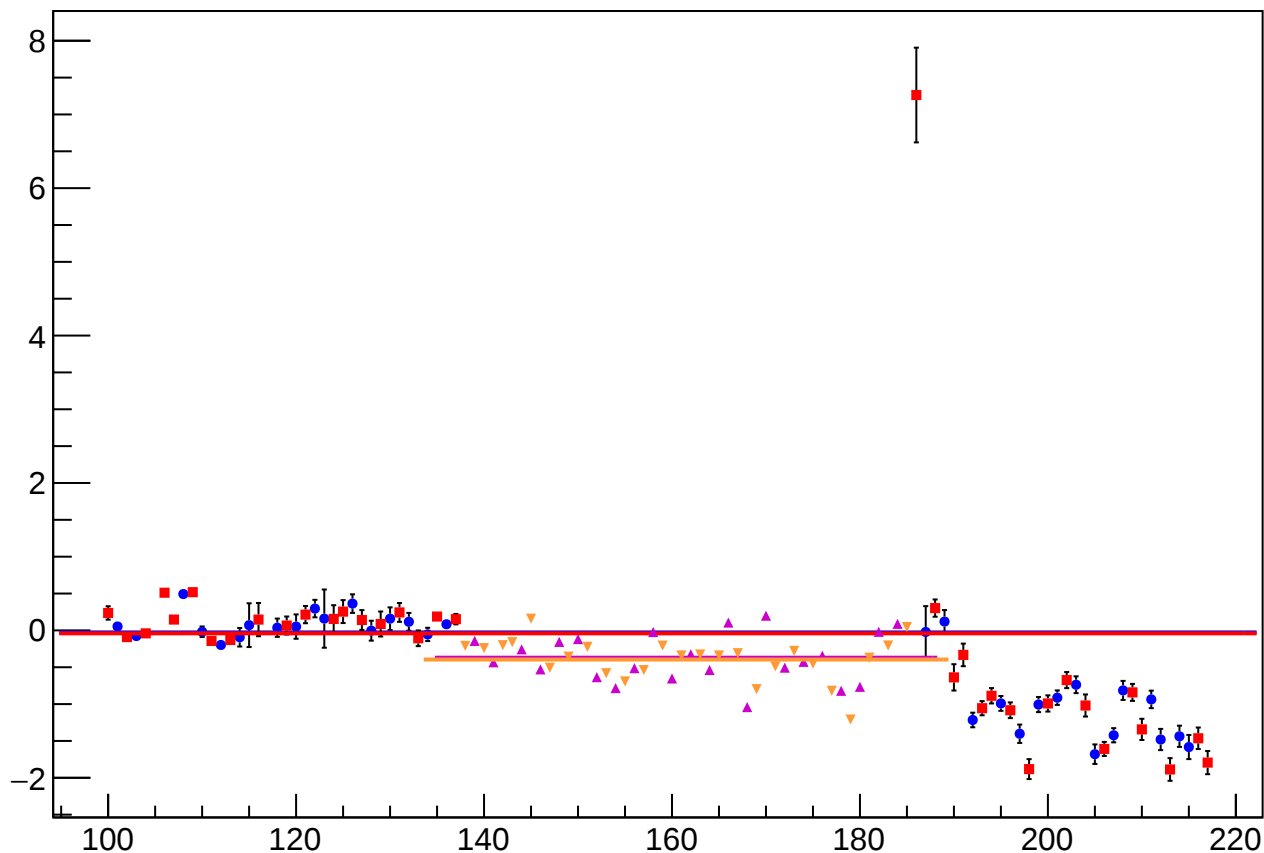
Left In: 73.730 ± 0.194 χ^2/NDF : 3775.8/22

+ sign 45.361 ± 0.147 χ^2/NDF : 79940.4/56

All: 46.223 ± 0.106 χ^2/NDF : 150875.9/115

- sign 47.173 ± 0.154 χ^2/NDF : 70862.9/58

reg_asym_sam6_diff_bpm12X_slope vs Slug



Right In: -0.028 ± 0.010 χ^2/NDF : 1860.7/31

Left Out: -0.396 ± 0.009 χ^2/NDF : 950.0/24

Right Out: -0.040 ± 0.010 χ^2/NDF : 2050.4/35

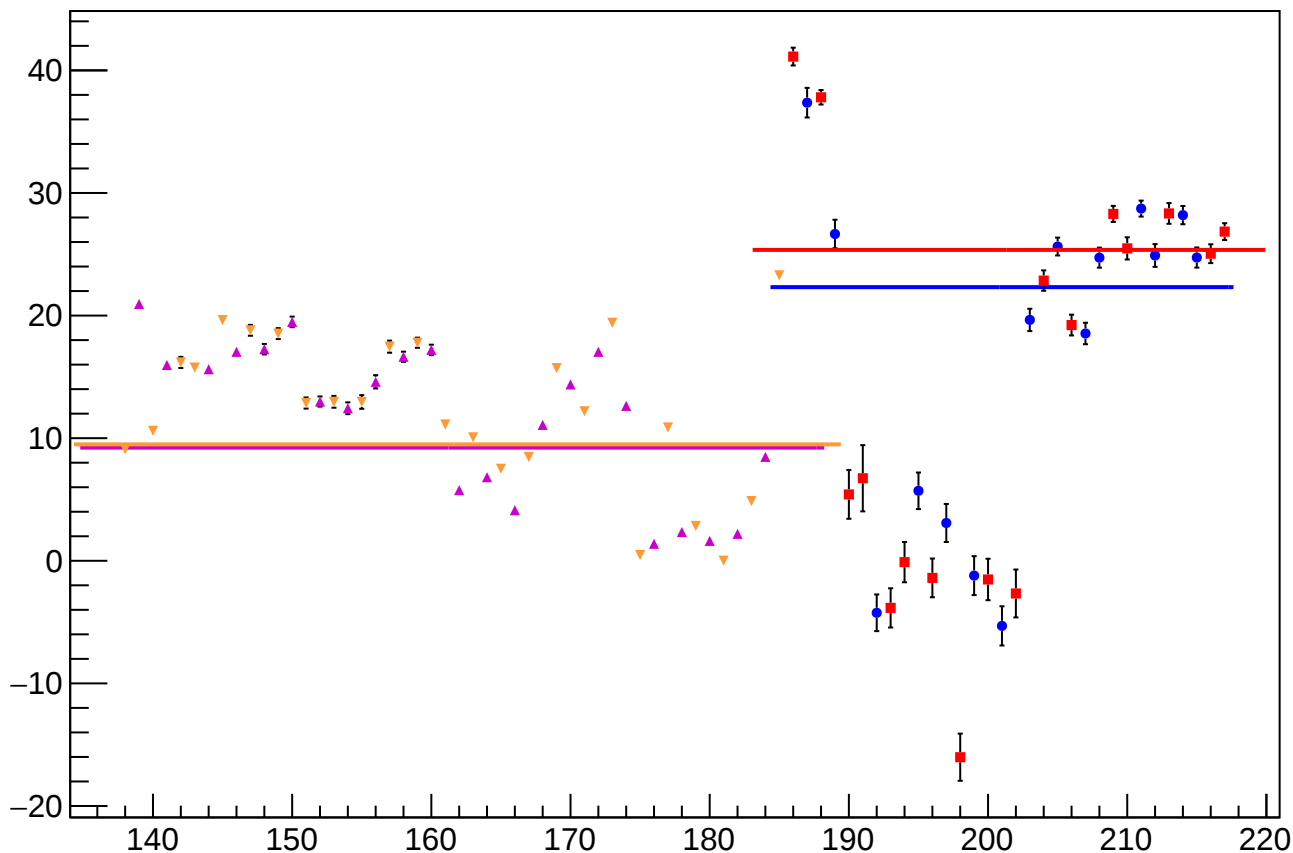
Left In: -0.371 ± 0.009 χ^2/NDF : 1313.7/22

+ sign -0.248 ± 0.007 χ^2/NDF : 3555.4/56

All: -0.241 ± 0.005 χ^2/NDF : 7517.4/115

- sign -0.234 ± 0.007 χ^2/NDF : 3959.8/58

reg_asym_sam7_diff_bpm1X_slope vs Slug



Right In: 22.320 ± 0.248 χ^2/NDF : 1512.8/14

Left Out: 9.495 ± 0.061 χ^2/NDF : 12609.1/24

Right Out: 25.359 ± 0.231 χ^2/NDF : 2942.9/16

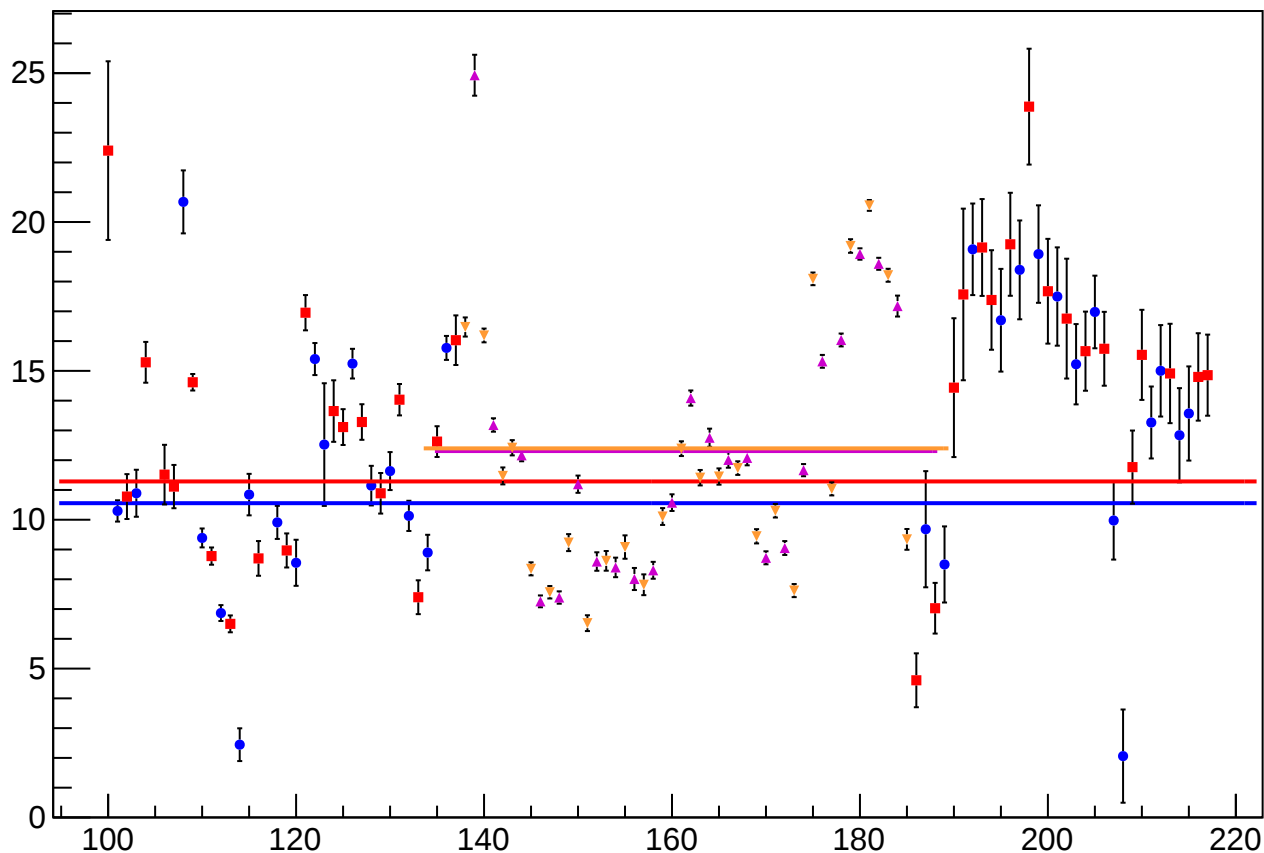
Left In: 9.231 ± 0.063 χ^2/NDF : 10736.2/22

+ sign 10.231 ± 0.059 χ^2/NDF : 16638.5/39

All: 10.290 ± 0.043 χ^2/NDF : 34872.0/79

- sign 10.352 ± 0.061 χ^2/NDF : 18231.4/39

reg_asym_sam7_diff_bpm4aY_slope vs Slug



Right In: 10.556 $\pm$ 0.114 χ^2 /NDF: 1073.6/31

Left Out: 12.397 $\pm$ 0.050 χ^2 /NDF: 7542.8/24

Right Out: 11.286 $\pm$ 0.110 χ^2 /NDF: 1074.8/35

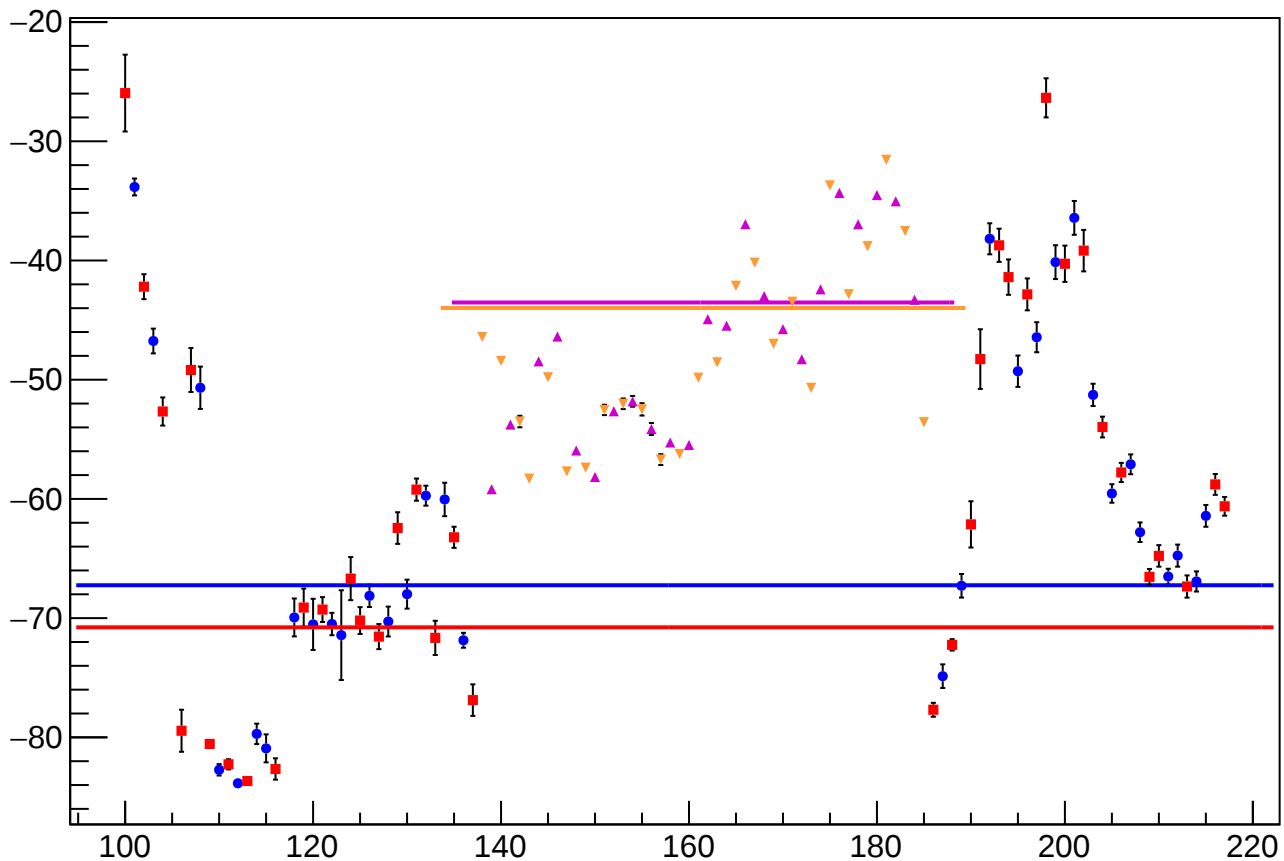
Left In: 12.307 $\pm$ 0.051 χ^2 /NDF: 5601.8/22

+ sign 12.104 $\pm$ 0.046 χ^2 /NDF: 8835.0/56

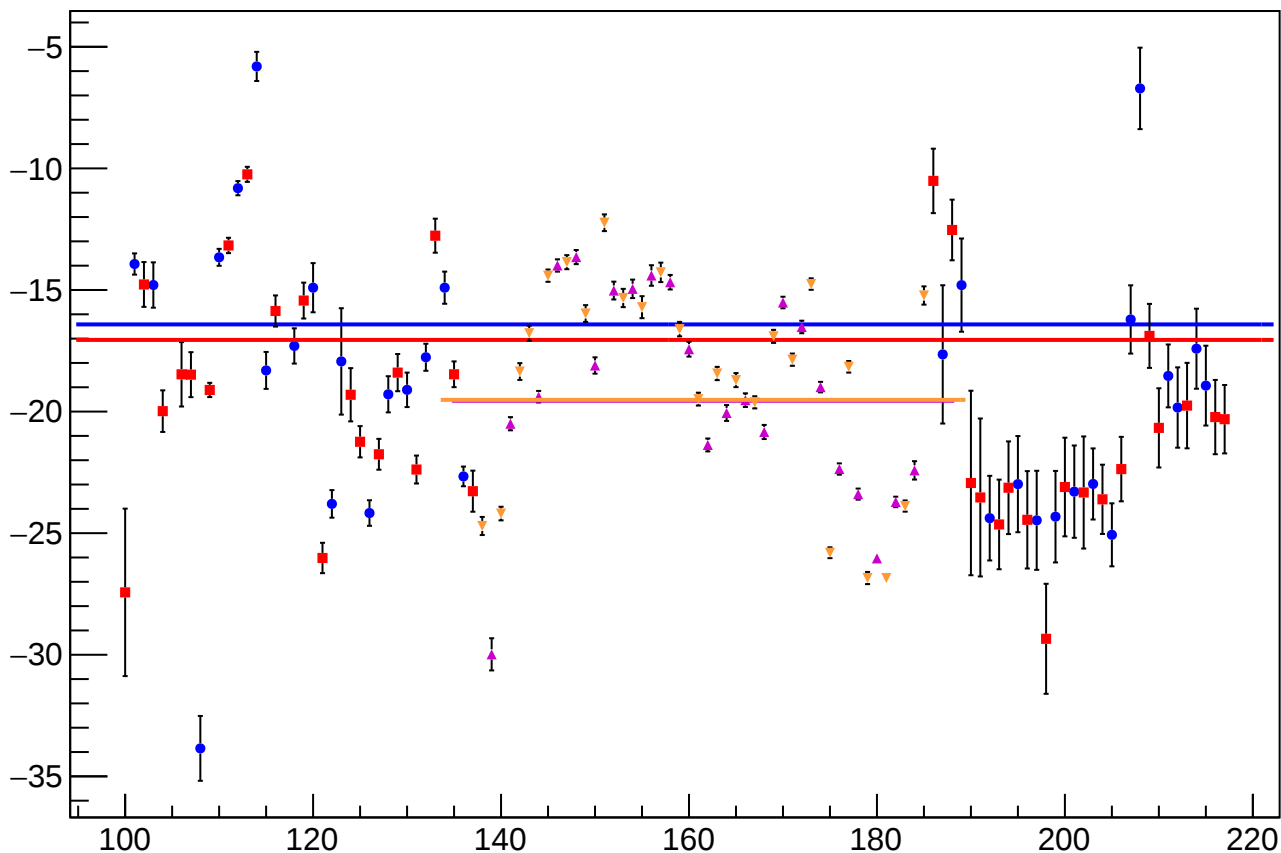
All: 12.115 $\pm$ 0.033 χ^2 /NDF: 15582.1/115

- sign 12.126 $\pm$ 0.046 χ^2 /NDF: 6747.0/58

reg_asym_sam7_diff_bpm4eX_slope vs Slug



reg_asym_sam7_diff_bpm4eY_slope vs Slug



Right In: -16.415 ± 0.127 χ^2/NDF : 1814.2/31

Left Out: -19.517 ± 0.056 χ^2/NDF : 6518.3/24

Right Out: -17.053 ± 0.122 χ^2/NDF : 1400.5/35

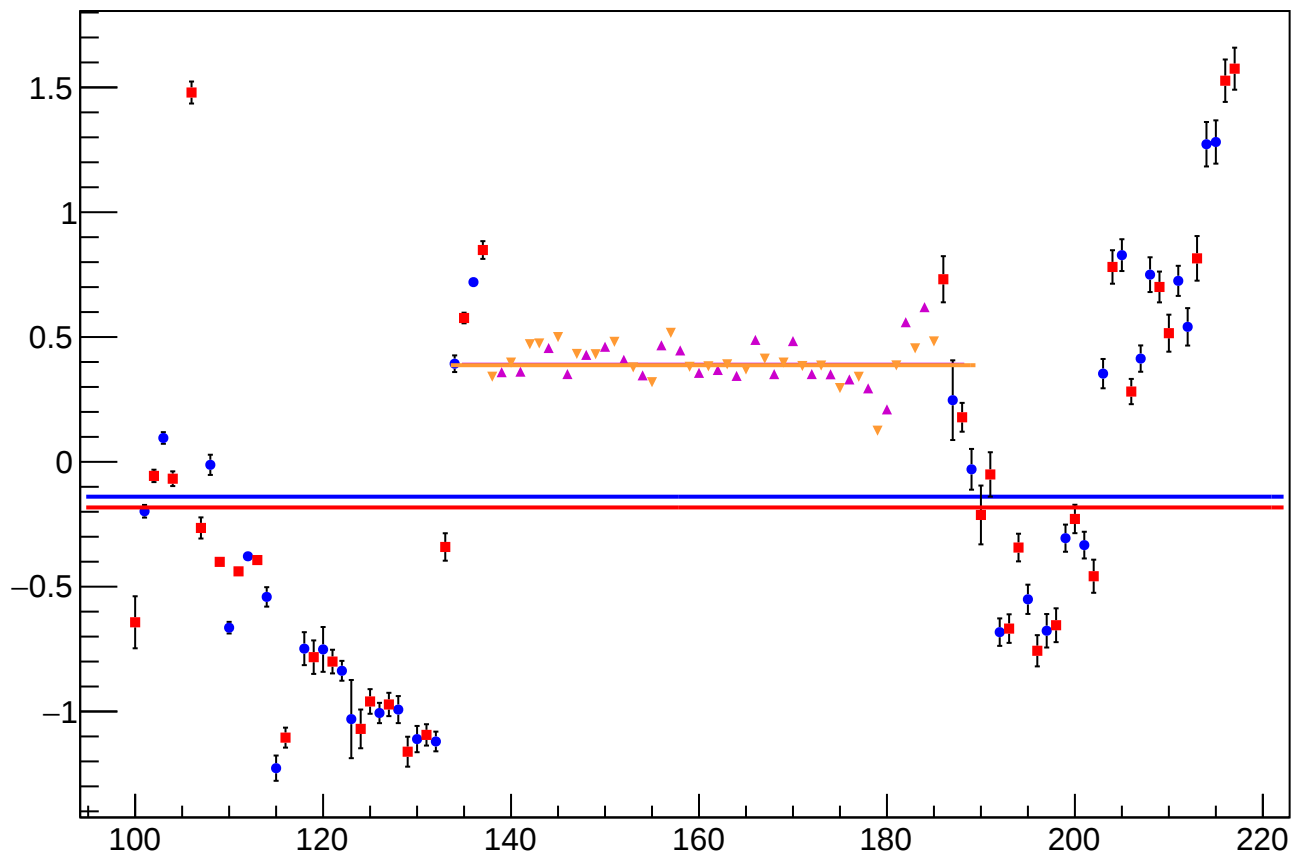
Left In: -19.555 ± 0.057 χ^2/NDF : 4311.2/22

+ sign -19.015 ± 0.051 χ^2/NDF : 8833.3/56

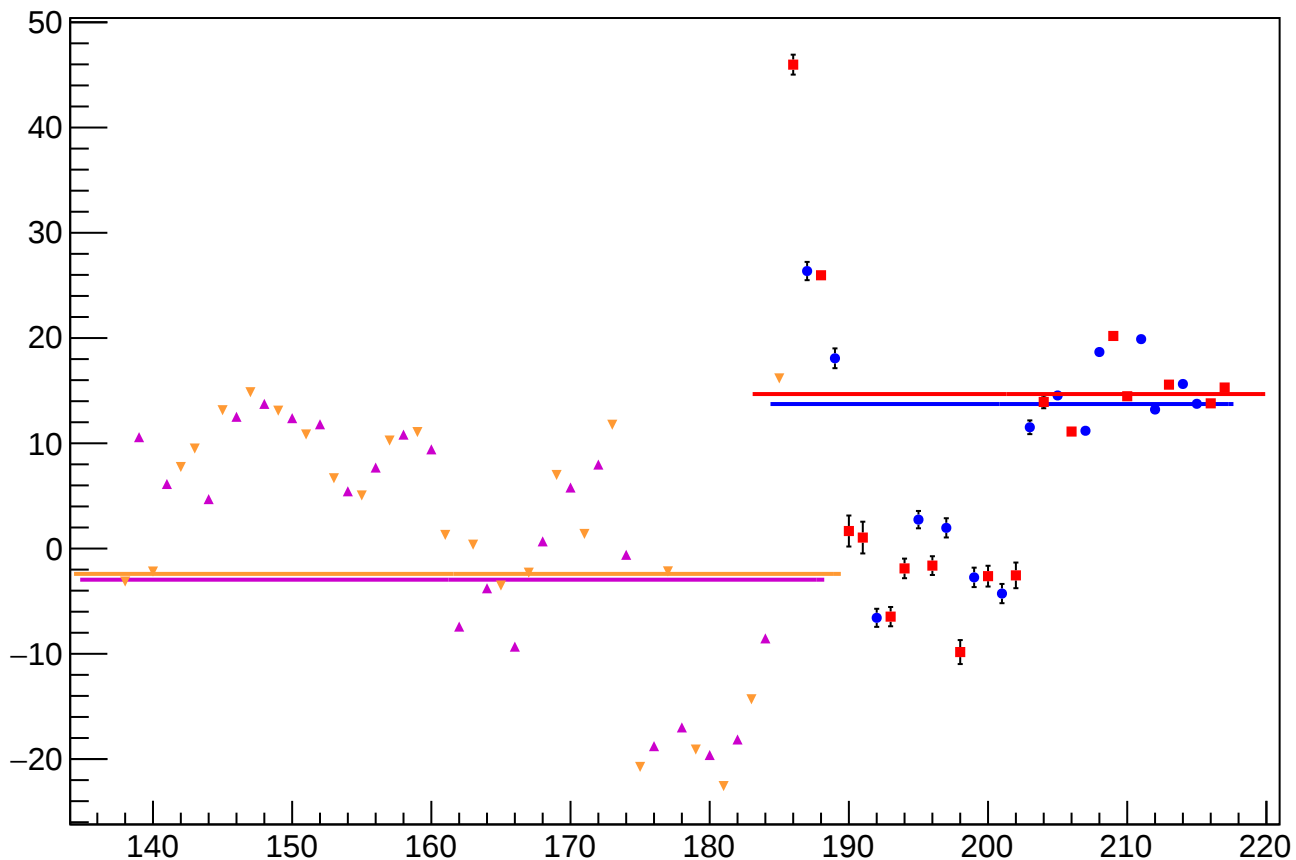
All: -19.059 ± 0.036 χ^2/NDF : 14889.4/115

- sign -19.104 ± 0.052 χ^2/NDF : 6054.6/58

reg_asym_sam7_diff_bpm12X_slope vs Slug



reg_asym_sam8_diff_bpm1X_slope vs Slug



Right In: 13.731 ± 0.138 $\chi^2/\text{NDF}: 2374.3/14$

Left Out: -2.407 ± 0.053 $\chi^2/\text{NDF}: 56368.5/24$

Right Out: 14.679 ± 0.132 $\chi^2/\text{NDF}: 4439.8/16$

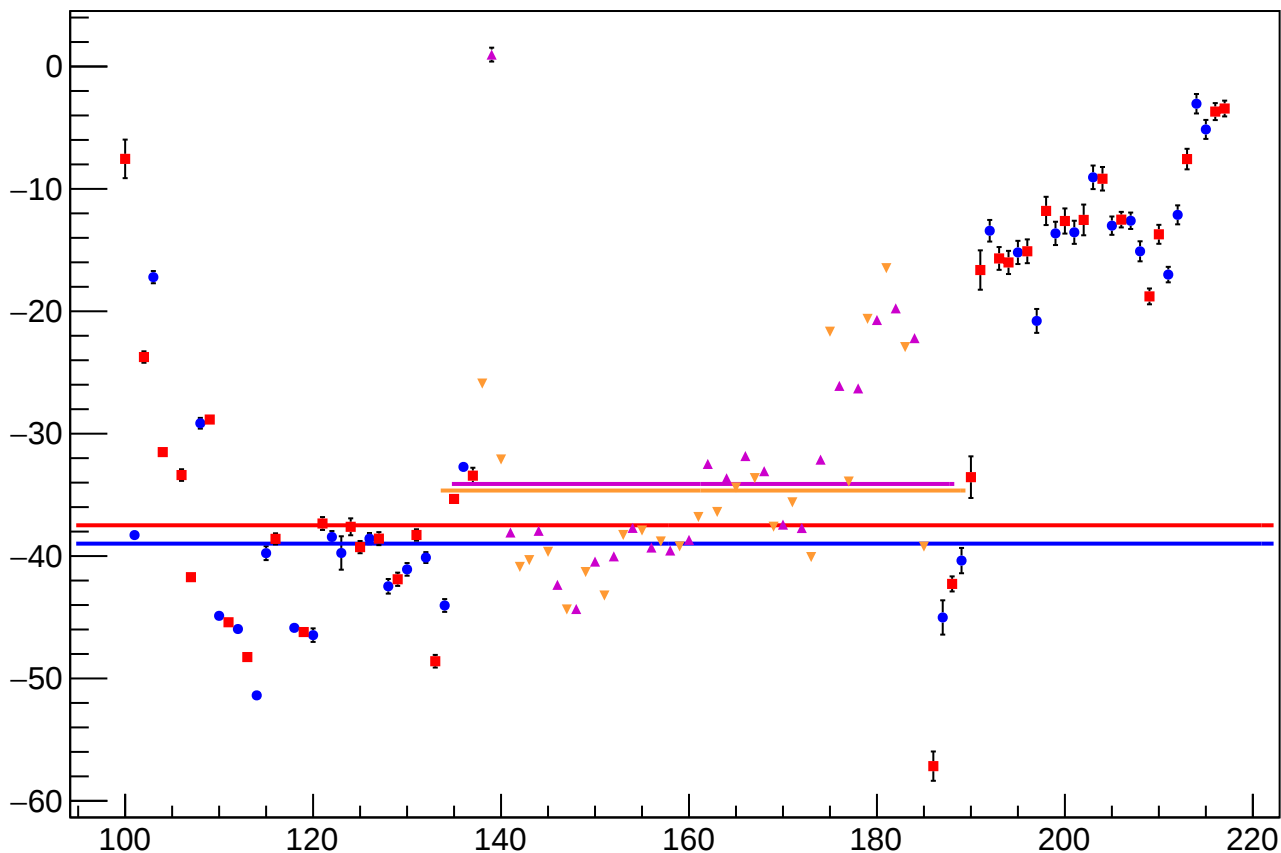
Left In: -2.959 ± 0.055 $\chi^2/\text{NDF}: 45922.6/22$

+ sign -0.339 ± 0.049 $\chi^2/\text{NDF}: 70725.3/39$

All: -0.350 ± 0.035 $\chi^2/\text{NDF}: 136308.8/79$

- sign -0.362 ± 0.051 $\chi^2/\text{NDF}: 65583.4/39$

reg_asym_sam8_diff_bpm4aY_slope vs Slug



Right In: -38.984 ± 0.074 χ^2/NDF : 22366.3/31

Left Out: -34.646 ± 0.042 χ^2/NDF : 34674.7/24

Right Out: -37.485 ± 0.069 χ^2/NDF : 26768.6/35

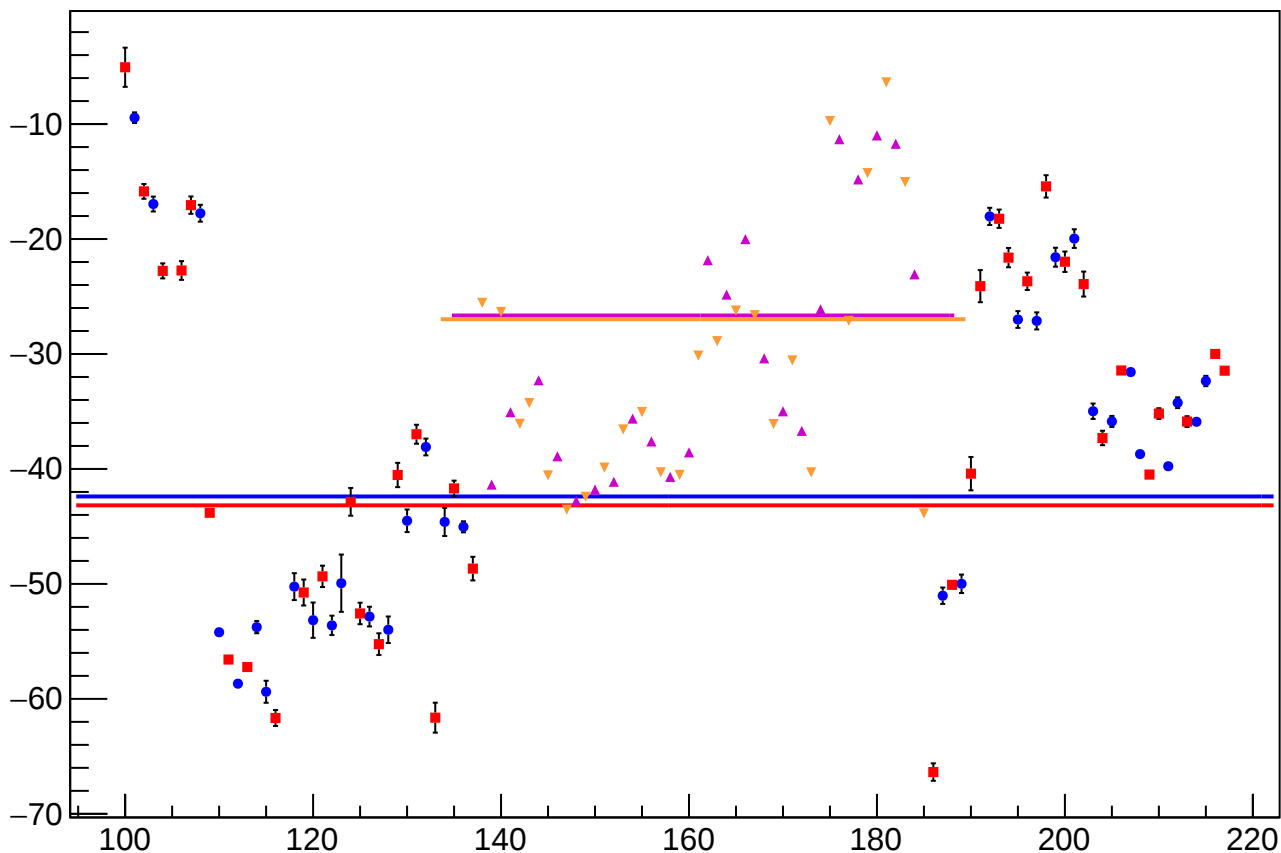
Left In: -34.108 ± 0.044 χ^2/NDF : 29052.8/22

+ sign -35.704 ± 0.036 χ^2/NDF : 59670.1/56

All: -35.402 ± 0.026 χ^2/NDF : 117346.3/115

- sign -35.089 ± 0.037 χ^2/NDF : 57536.0/58

reg_asym_sam8_diff_bpm4eX_slope vs Slug



Right In: -42.393 ± 0.092 $\chi^2/\text{NDF}: 22932.3/31$

Left Out: -26.978 ± 0.053 $\chi^2/\text{NDF}: 49361.1/24$

Right Out: -43.166 ± 0.083 $\chi^2/\text{NDF}: 22863.9/35$

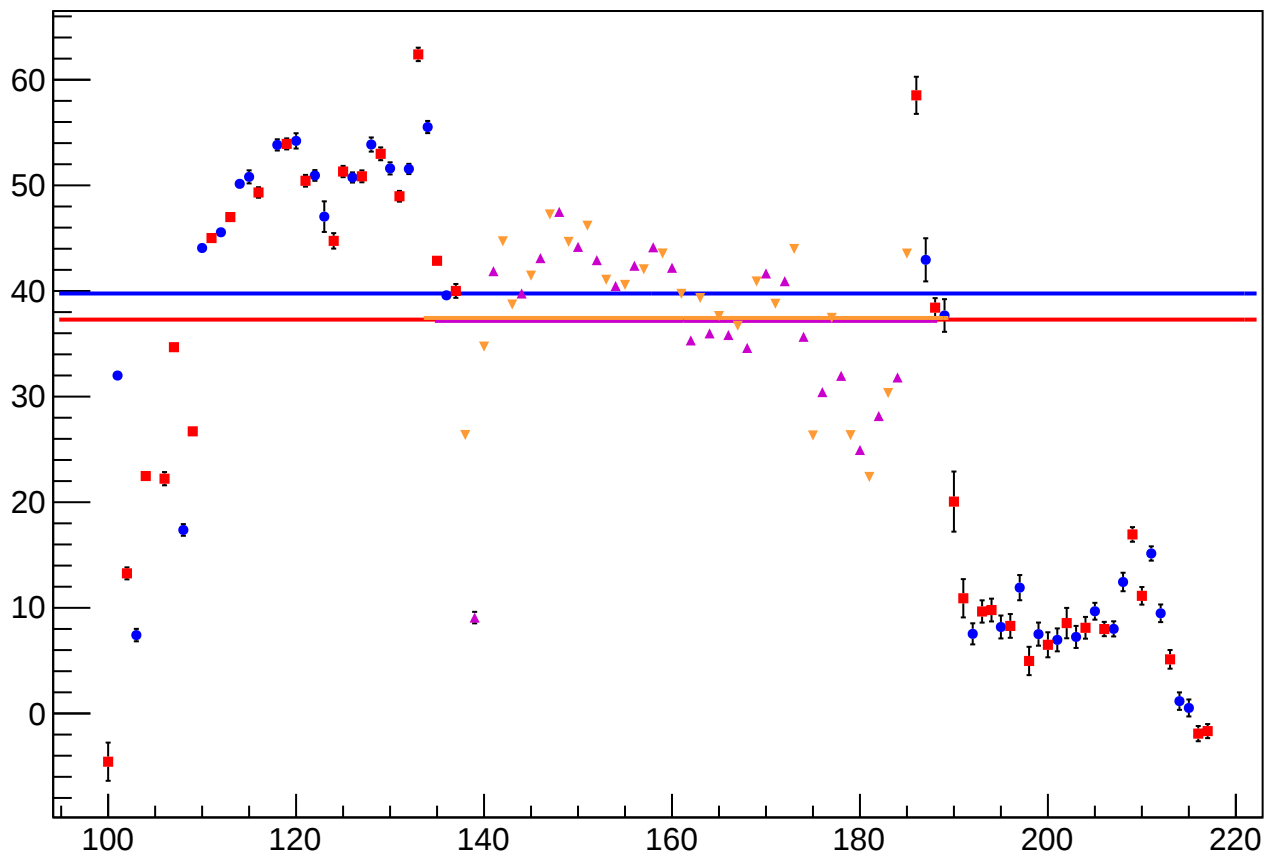
Left In: -26.654 ± 0.055 $\chi^2/\text{NDF}: 42106.8/22$

+ sign -30.819 ± 0.046 $\chi^2/\text{NDF}: 93224.9/56$

All: -31.250 ± 0.032 $\chi^2/\text{NDF}: 185848.5/115$

- sign -31.676 ± 0.046 $\chi^2/\text{NDF}: 92449.7/58$

reg_asym_sam8_diff_bpm4eY_slope vs Slug



Right In: 39.762 ± 0.082 χ^2/NDF : 29359.2/31

Left Out: 37.447 ± 0.047 χ^2/NDF : 21570.6/24

Right Out: 37.290 ± 0.076 χ^2/NDF : 35466.3/35

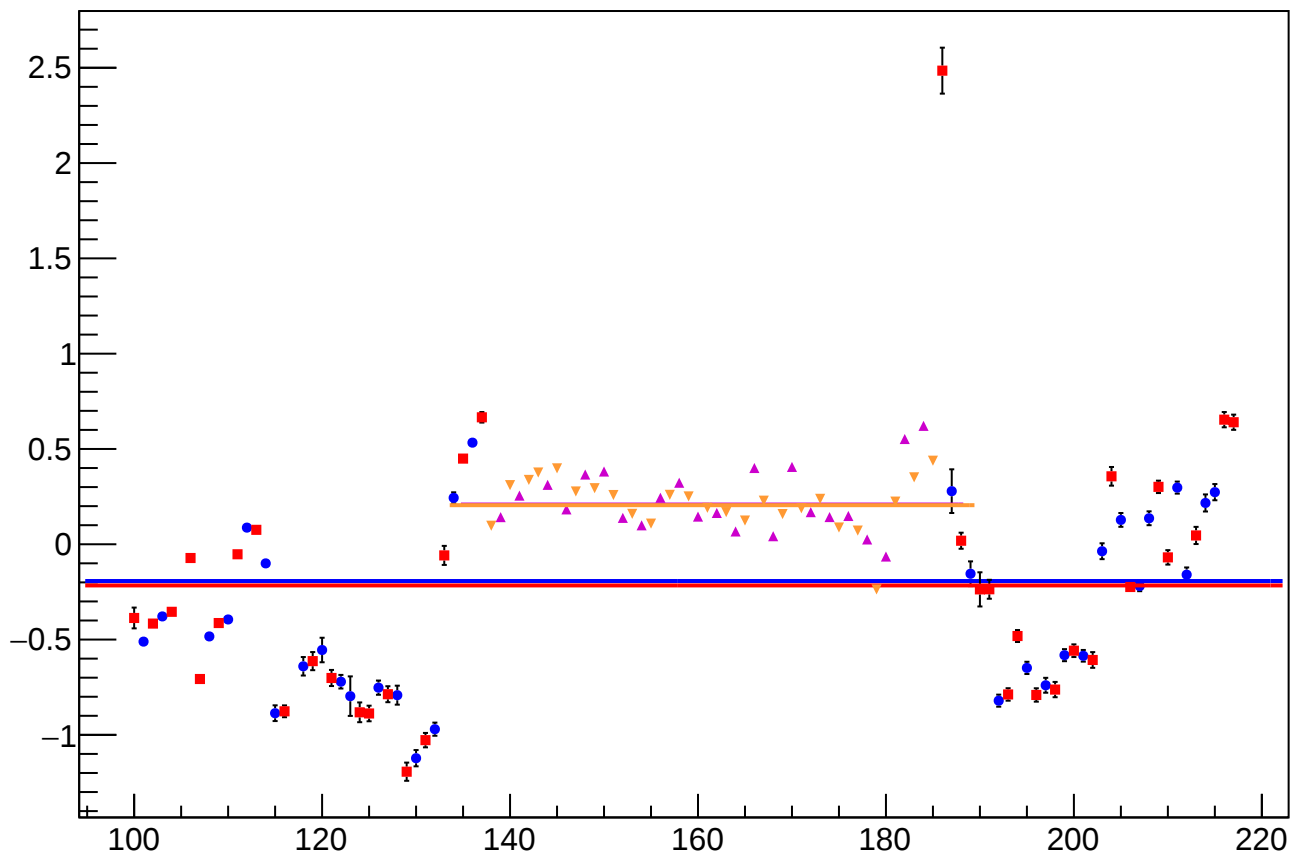
Left In: 37.169 ± 0.049 χ^2/NDF : 17236.9/22

+ sign 38.024 ± 0.041 χ^2/NDF : 51530.8/56

All: 37.619 ± 0.029 χ^2/NDF : 104434.5/115

- sign 37.205 ± 0.041 χ^2/NDF : 52704.9/58

reg_asym_sam8_diff_bpm12X_slope vs Slug



Right In: -0.193 ± 0.004 χ^2/NDF : 9109.8/31

Left Out: 0.205 ± 0.002 χ^2/NDF : 3826.2/24

Right Out: -0.216 ± 0.004 χ^2/NDF : 10345.3/35

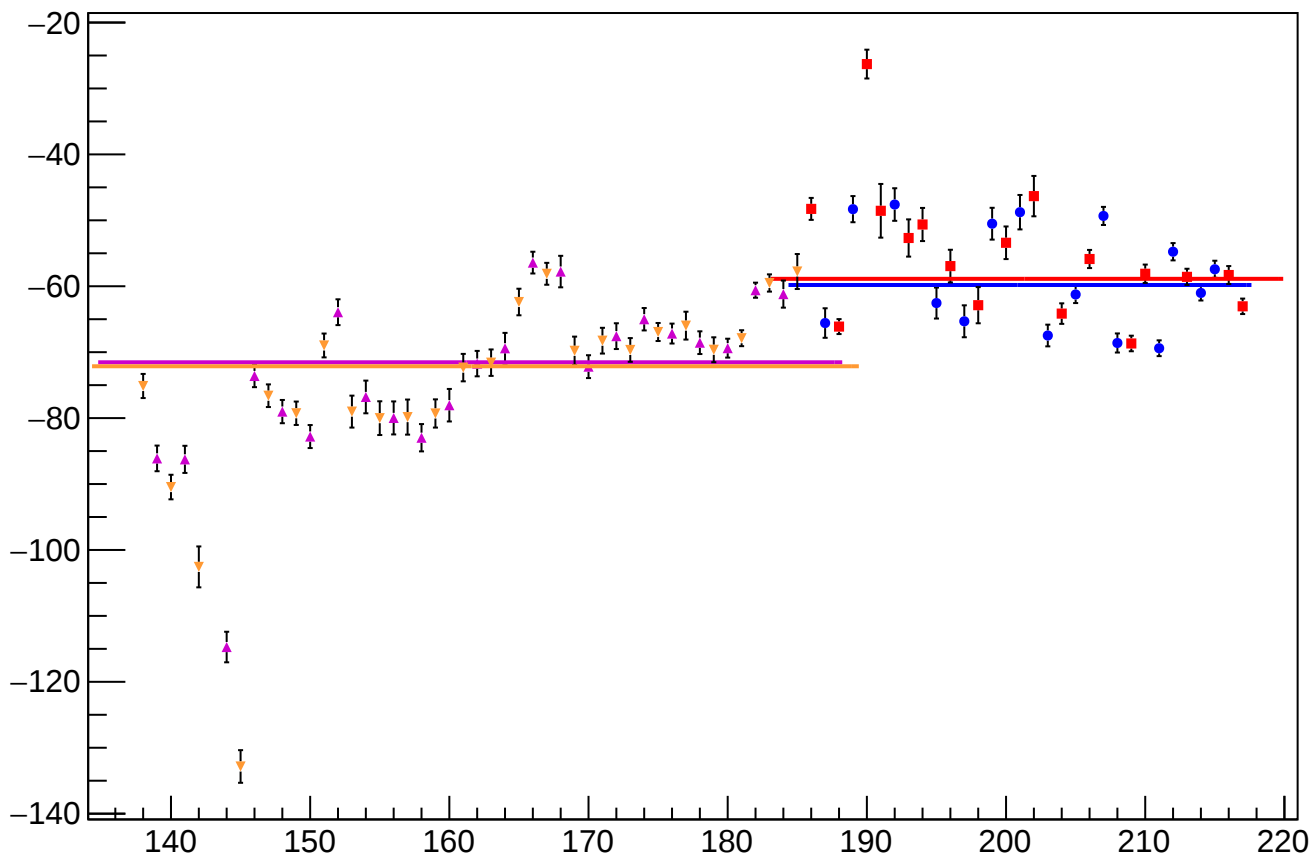
Left In: 0.208 ± 0.002 χ^2/NDF : 5094.6/22

+ sign 0.124 ± 0.002 χ^2/NDF : 19724.5/56

All: 0.114 ± 0.001 χ^2/NDF : 44072.5/115

- sign 0.103 ± 0.002 χ^2/NDF : 24289.1/58

reg_asym_usl_diff_bpm1X_slope vs Slug



Right In: -59.808 ± 0.412 χ^2/NDF : 305.4/14

Left Out: -72.138 ± 0.383 χ^2/NDF : 1121.3/23

Right Out: -58.874 ± 0.396 χ^2/NDF : 448.0/16

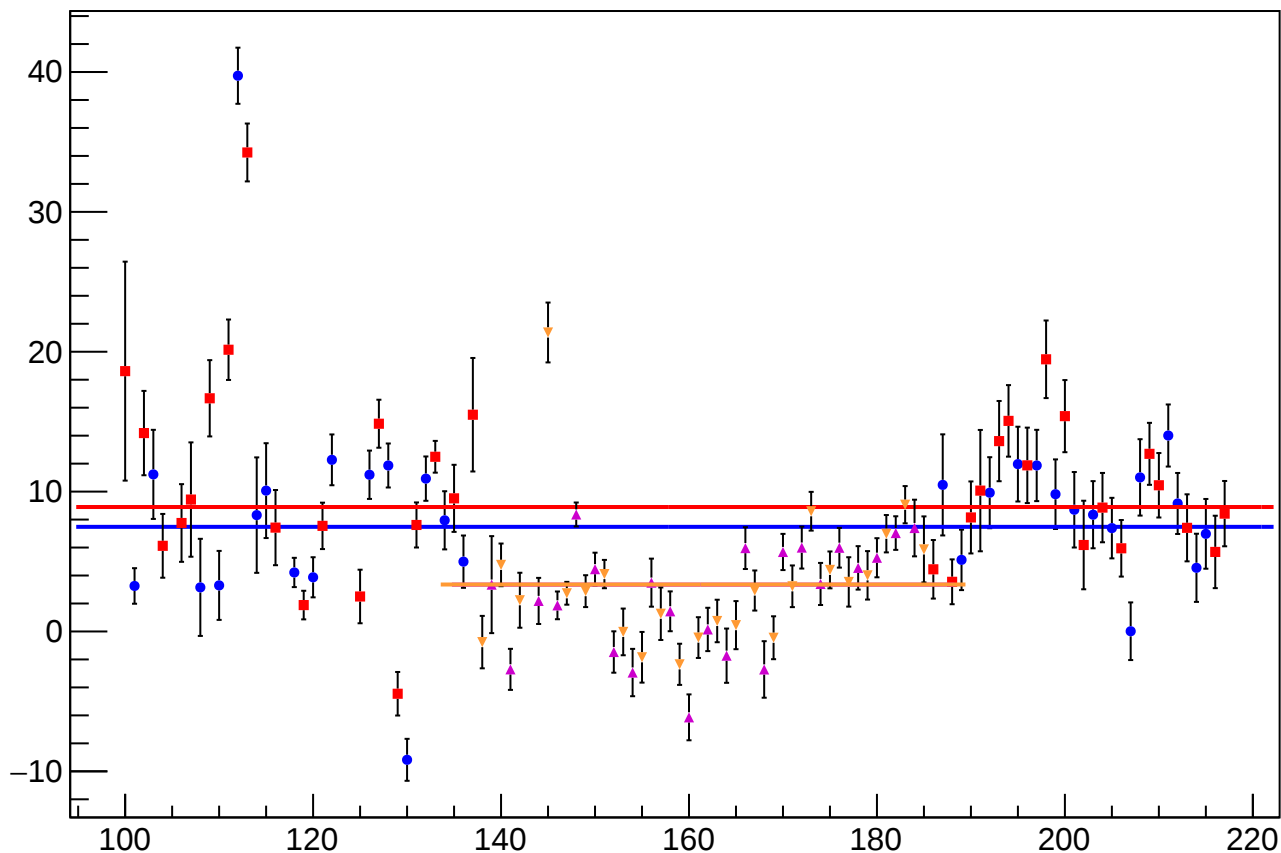
Left In: -71.534 ± 0.382 χ^2/NDF : 851.4/22

+ sign -66.427 ± 0.280 χ^2/NDF : 1907.2/38

All: -65.925 ± 0.196 χ^2/NDF : 3742.2/78

- sign -65.443 ± 0.275 χ^2/NDF : 1828.7/39

reg_asym_usl_diff_bpm4aY_slope vs Slug



Right In: 7.480 ± 0.360 $\chi^2/\text{NDF}: 476.5/30$

Left Out: 3.357 ± 0.295 $\chi^2/\text{NDF}: 167.7/23$

Right Out: 8.898 ± 0.356 $\chi^2/\text{NDF}: 404.3/34$

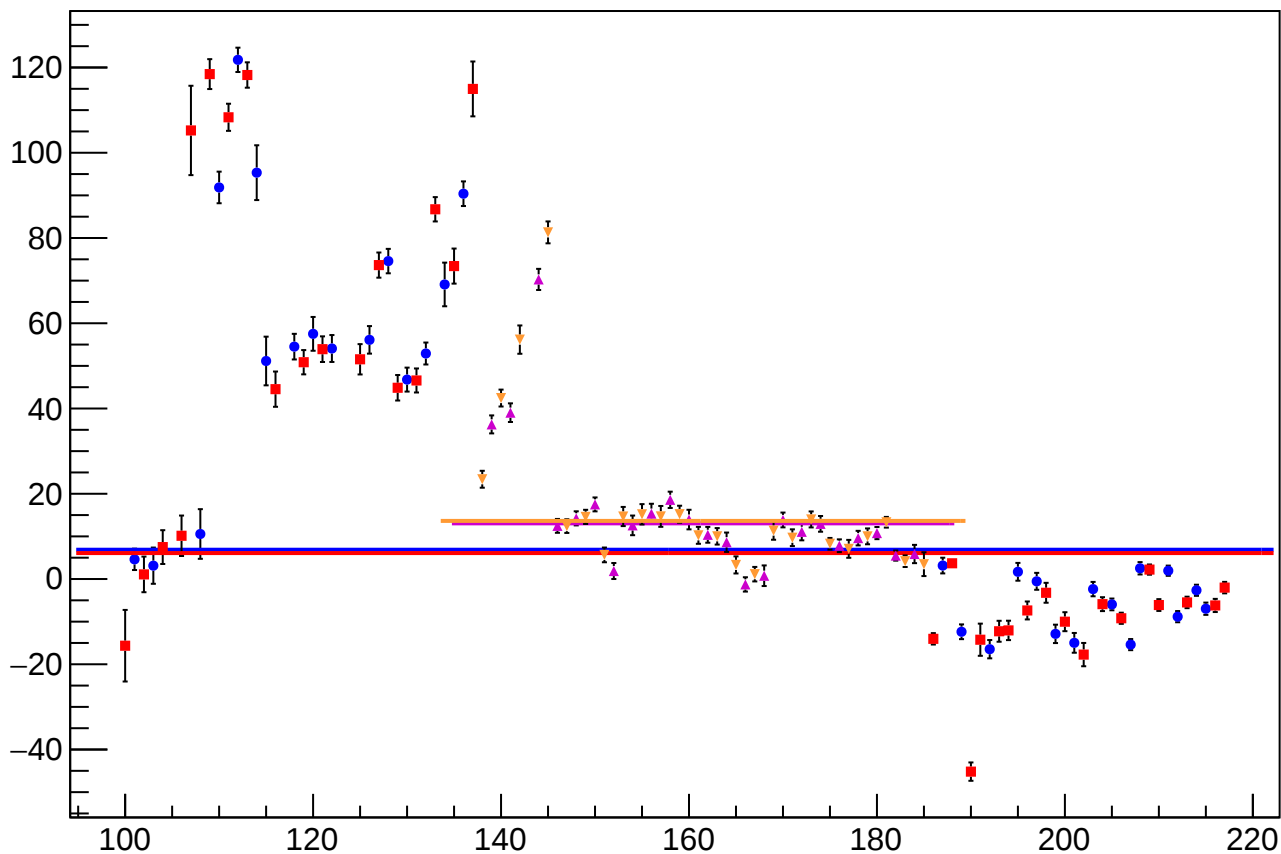
Left In: 3.349 ± 0.298 $\chi^2/\text{NDF}: 163.5/22$

+ sign 5.010 ± 0.228 $\chi^2/\text{NDF}: 722.6/54$

All: 5.323 ± 0.161 $\chi^2/\text{NDF}: 1436.9/112$

- sign 5.637 ± 0.229 $\chi^2/\text{NDF}: 710.6/57$

reg_asym_usl_diff_bpm4eX_slope vs Slug



Right In: 6.871 ± 0.367 χ^2/NDF : 6490.2/30

Left Out: 13.632 ± 0.382 χ^2/NDF : 1300.0/23

Right Out: 6.085 ± 0.348 χ^2/NDF : 8163.6/34

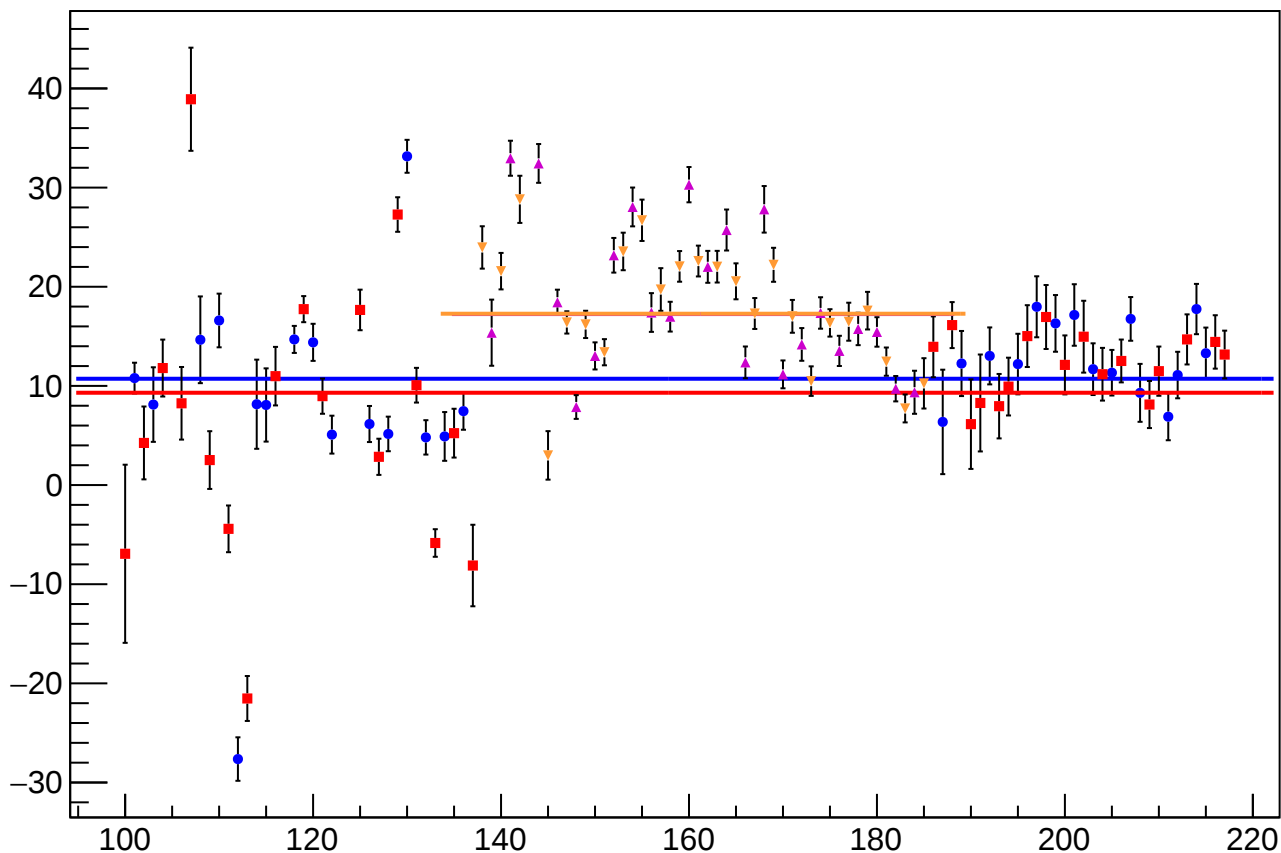
Left In: 13.058 ± 0.380 χ^2/NDF : 1024.7/22

+ sign 10.116 ± 0.264 χ^2/NDF : 7953.4/54

All: 9.680 ± 0.184 χ^2/NDF : 17330.0/112

- sign 9.270 ± 0.257 χ^2/NDF : 9371.4/57

reg_asym_usl_diff_bpm4eY_slope vs Slug



Right In: 10.721 ± 0.412 χ^2/NDF : 587.7/30

Left Out: 17.280 ± 0.337 χ^2/NDF : 243.9/23

Right Out: 9.310 ± 0.412 χ^2/NDF : 617.9/34

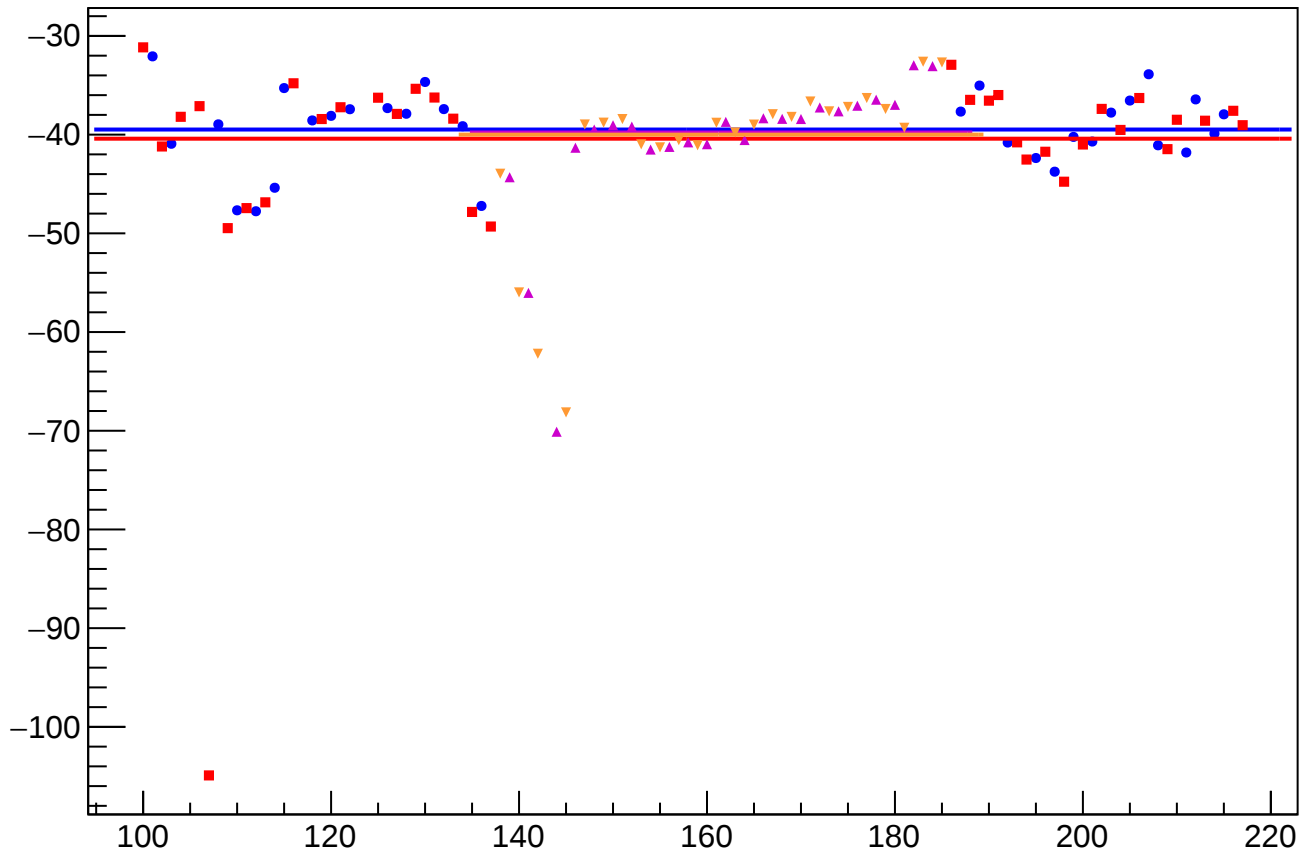
Left In: 17.245 ± 0.339 χ^2/NDF : 440.8/22

+ sign 14.650 ± 0.261 χ^2/NDF : 983.4/54

All: 14.342 ± 0.185 χ^2/NDF : 2266.1/112

- sign 14.033 ± 0.262 χ^2/NDF : 1280.0/57

reg_asym_usl_diff_bpm12X_slope vs Slug



Right In: -39.483+/-0.020 χ^2/NDF : 37900.9/30

Left Out: -39.999+/-0.016 χ^2/NDF : 172263.8/23

Right Out: -40.412+/-0.020 χ^2/NDF : 107796.0/34

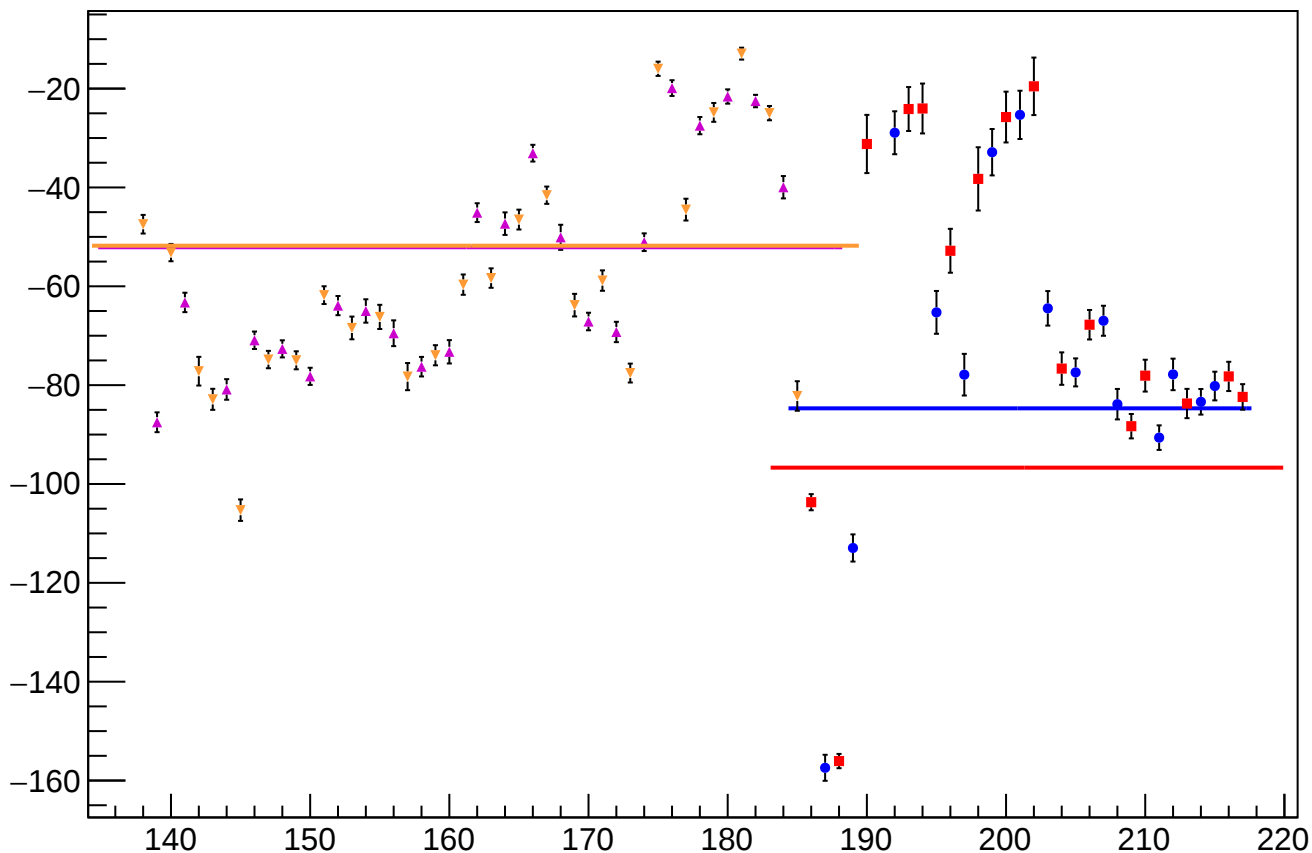
Left In: -39.785+/-0.016 χ^2/NDF : 144494.5/22

+ sign -39.807+/-0.012 χ^2/NDF : 210564.9/54

All: -39.915+/-0.009 χ^2/NDF : 463605.6/112

- sign -40.020+/-0.012 χ^2/NDF : 252893.8/57

reg_asym_usr_diff_bpm1X_slope vs Slug



Right In: -84.692 ± 0.823 χ^2/NDF : 1413.9/14

Left Out: -51.787 ± 0.383 χ^2/NDF : 4164.8/24

Right Out: -96.693 ± 0.714 χ^2/NDF : 3114.1/15

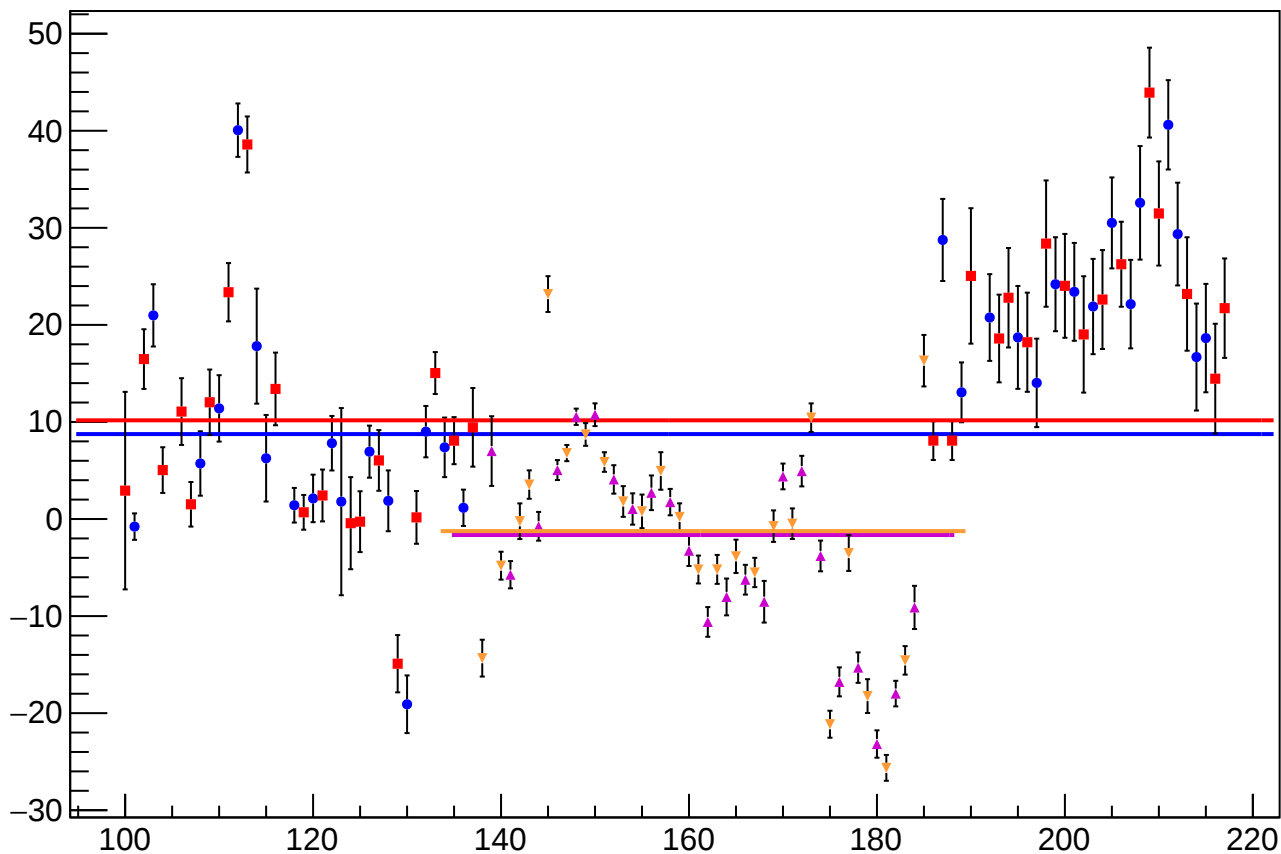
Left In: -52.104 ± 0.389 χ^2/NDF : 3280.2/22

+ sign -57.632 ± 0.347 χ^2/NDF : 6892.4/39

All: -59.996 ± 0.243 χ^2/NDF : 16383.4/78

- sign -62.285 ± 0.341 χ^2/NDF : 9399.6/38

reg_asym_usr_diff_bpm4aY_slope vs Slug



Right In: 8.750 ± 0.557 χ^2/NDF : 508.9/31

Left Out: -1.245 ± 0.292 χ^2/NDF : 1322.6/24

Right Out: 10.168 ± 0.545 χ^2/NDF : 421.4/34

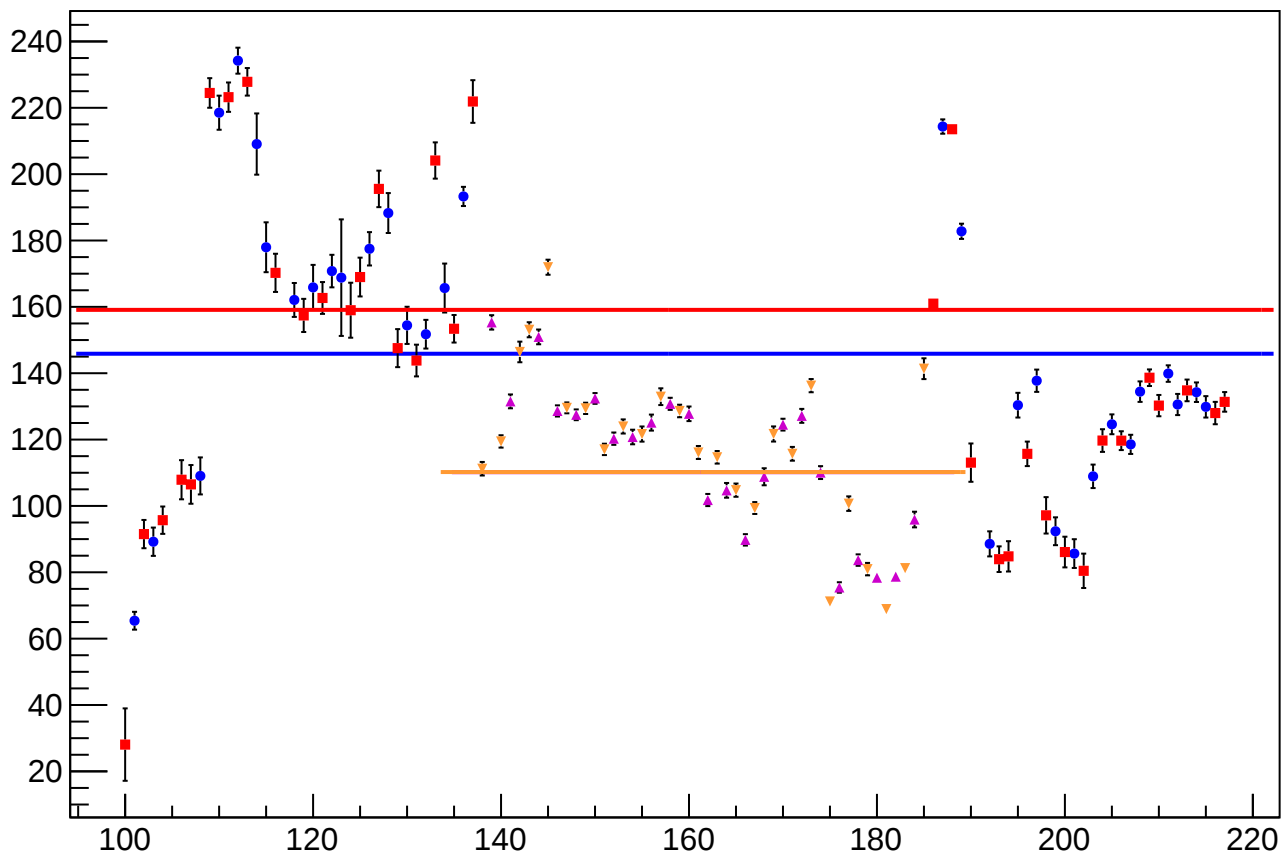
Left In: -1.650 ± 0.300 χ^2/NDF : 1092.2/22

+ sign 0.904 ± 0.258 χ^2/NDF : 2084.0/56

All: 0.999 ± 0.184 χ^2/NDF : 3958.2/114

- sign 1.096 ± 0.263 χ^2/NDF : 1873.9/57

reg_asym_usr_diff_bpm4eX_slope vs Slug



Right In: 145.874 $\pm$ 0.647 χ^2 /NDF: 4511.2/31

Left Out: 110.213 $\pm$ 0.382 χ^2 /NDF: 4593.7/24

Right Out: 159.096 $\pm$ 0.564 χ^2 /NDF: 6073.1/34

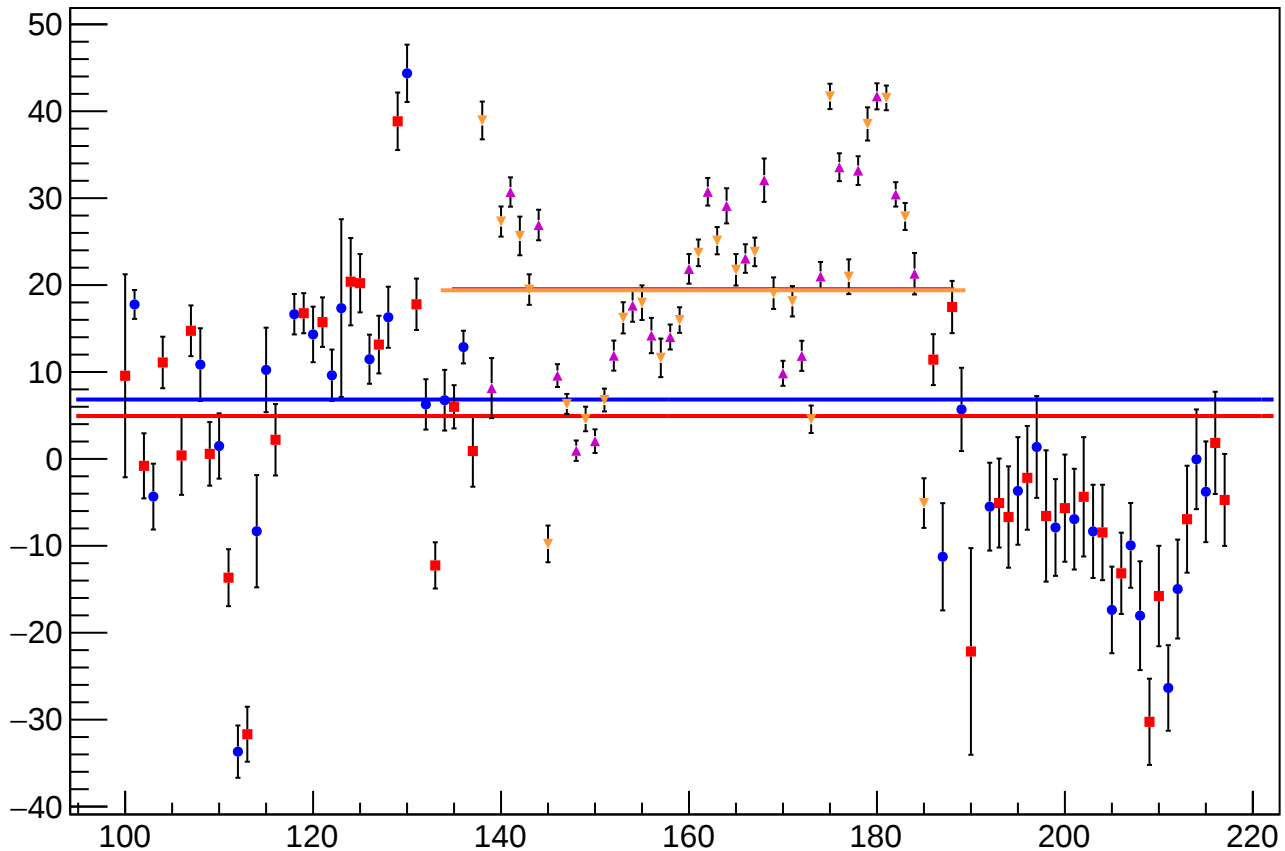
Left In: 110.171 $\pm$ 0.386 χ^2 /NDF: 3702.6/22

+ sign 119.424 $\pm$ 0.329 χ^2 /NDF: 11355.6/56

All: 122.712 $\pm$ 0.229 χ^2 /NDF: 26454.3/114

- sign 125.792 $\pm$ 0.318 χ^2 /NDF: 14905.4/57

reg_asym_usr_diff_bpm4eY_slope vs Slug



Right In: 6.834 ± 0.642 χ^2/NDF : 572.6/31

Left Out: 19.405 ± 0.335 χ^2/NDF : 1453.4/24

Right Out: 4.933 ± 0.643 χ^2/NDF : 566.3/34

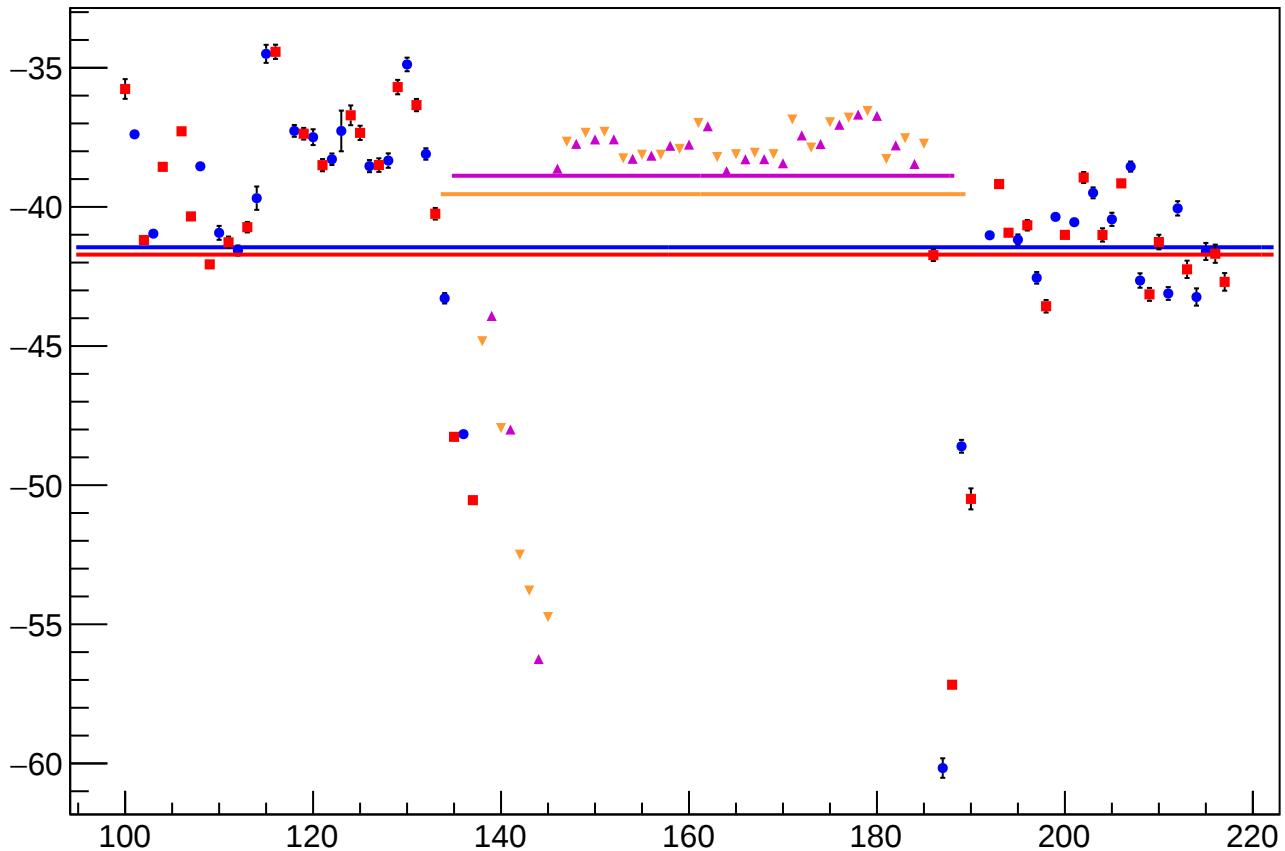
Left In: 19.530 ± 0.342 χ^2/NDF : 1181.3/22

+ sign 16.718 ± 0.297 χ^2/NDF : 2327.6/56

All: 16.515 ± 0.212 χ^2/NDF : 4477.7/114

- sign 16.303 ± 0.302 χ^2/NDF : 2149.2/57

reg_asym_usr_diff_bpm12X_slope vs Slug



Right In: -41.450 ± 0.032 χ^2/NDF : 16956.6/31

Left Out: -39.542 ± 0.016 χ^2/NDF : 92024.1/24

Right Out: -41.715 ± 0.031 χ^2/NDF : 23123.4/34

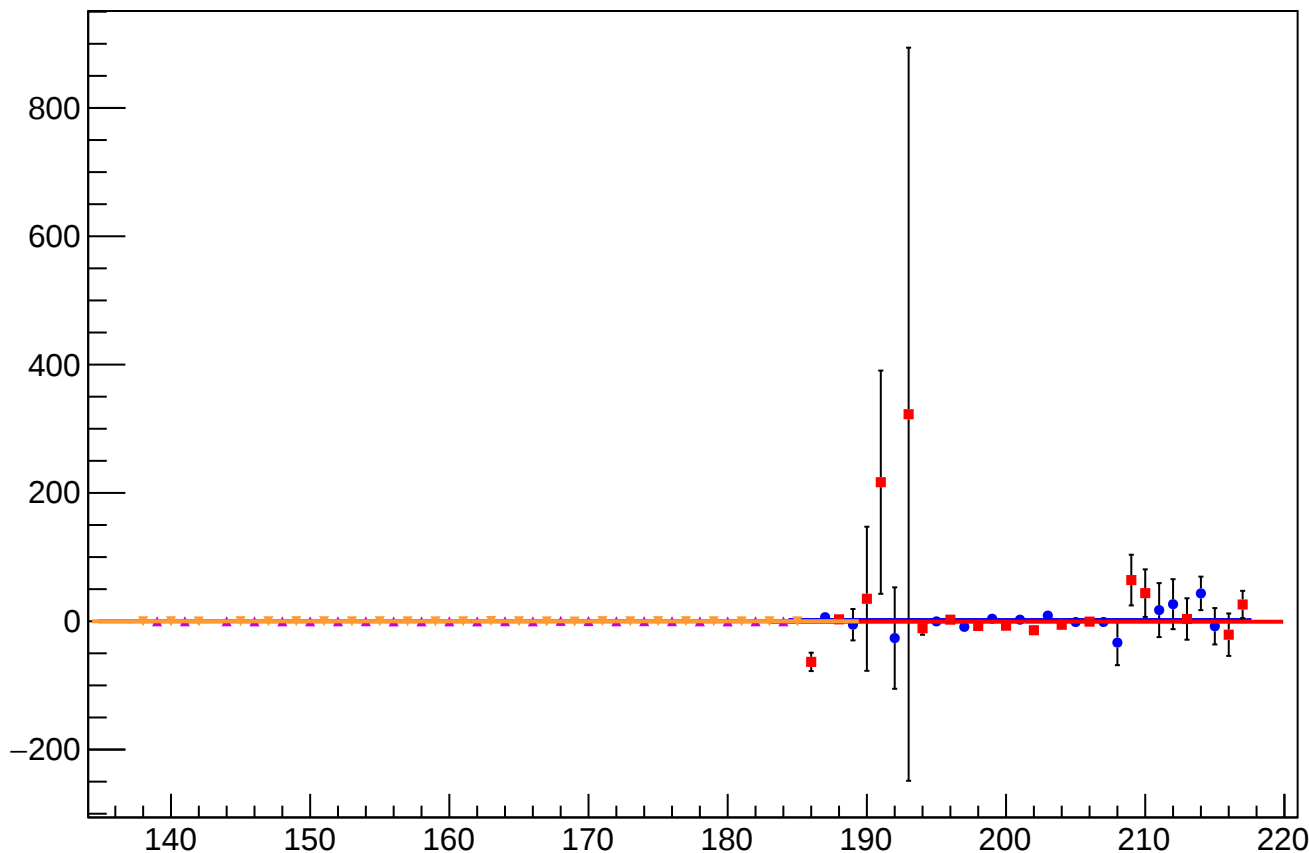
Left In: -38.880 ± 0.016 χ^2/NDF : 53409.9/22

+ sign -39.922 ± 0.014 χ^2/NDF : 111914.7/56

All: -39.694 ± 0.010 χ^2/NDF : 195547.4/114

- sign -39.463 ± 0.014 χ^2/NDF : 83102.5/57

reg_asym_dsl_diff_bpm1X_slope vs Slug



Right In: 1.869 ± 1.529 χ^2/NDF : 15.4/14

Left Out: -0.089 ± 0.022 χ^2/NDF : 39.7/23

Right Out: -0.754 ± 1.414 χ^2/NDF : 38.7/16

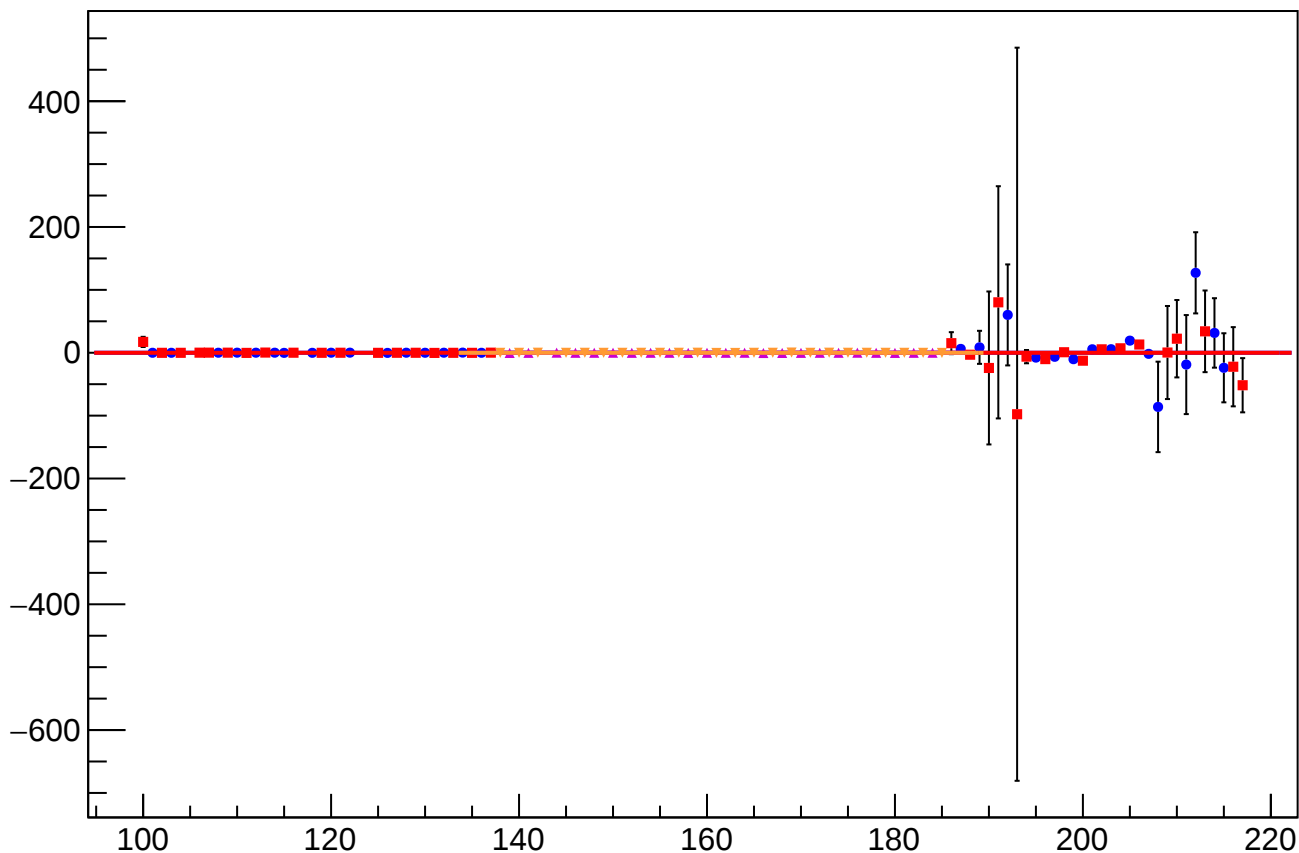
Left In: -0.026 ± 0.022 χ^2/NDF : 33.3/22

+ sign -0.088 ± 0.022 χ^2/NDF : 56.8/38

All: -0.057 ± 0.016 χ^2/NDF : 133.0/78

- sign -0.026 ± 0.022 χ^2/NDF : 72.2/39

reg_asym_dsl_diff_bpm4aY_slope vs Slug



Right In: -0.002 ± 0.029 χ^2/NDF : 37.8/30

Left Out: -0.081 ± 0.017 χ^2/NDF : 25.8/23

Right Out: -0.050 ± 0.029 χ^2/NDF : 43.1/34

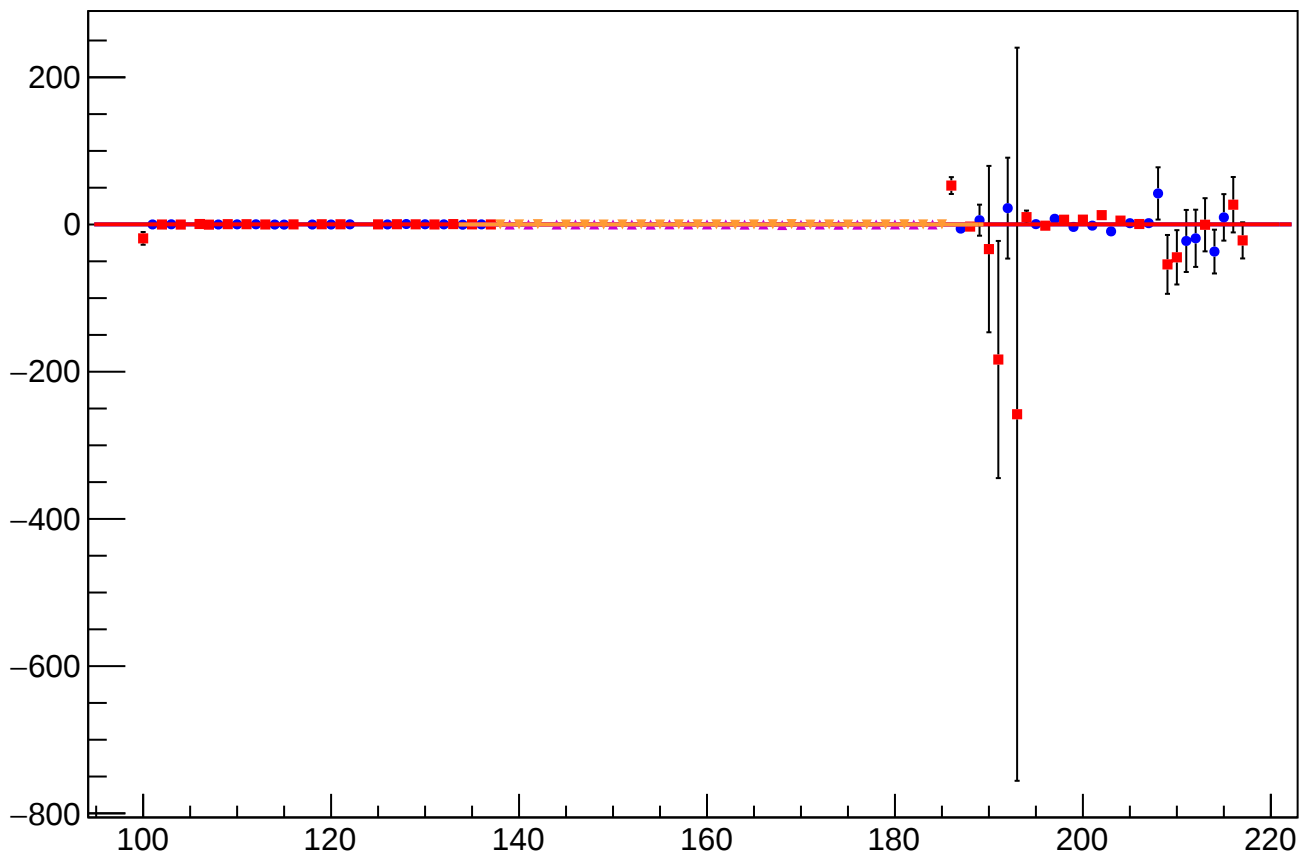
Left In: -0.052 ± 0.018 χ^2/NDF : 31.7/22

+ sign -0.060 ± 0.015 χ^2/NDF : 69.3/54

All: -0.056 ± 0.011 χ^2/NDF : 144.2/112

- sign -0.052 ± 0.015 χ^2/NDF : 74.8/57

reg_asym_dsl_diff_bpm4eX_slope vs Slug



Right In: 0.172 ± 0.053 χ^2/NDF : 30.7/30

Left Out: 0.081 ± 0.022 χ^2/NDF : 38.4/23

Right Out: 0.236 ± 0.054 χ^2/NDF : 61.6/34

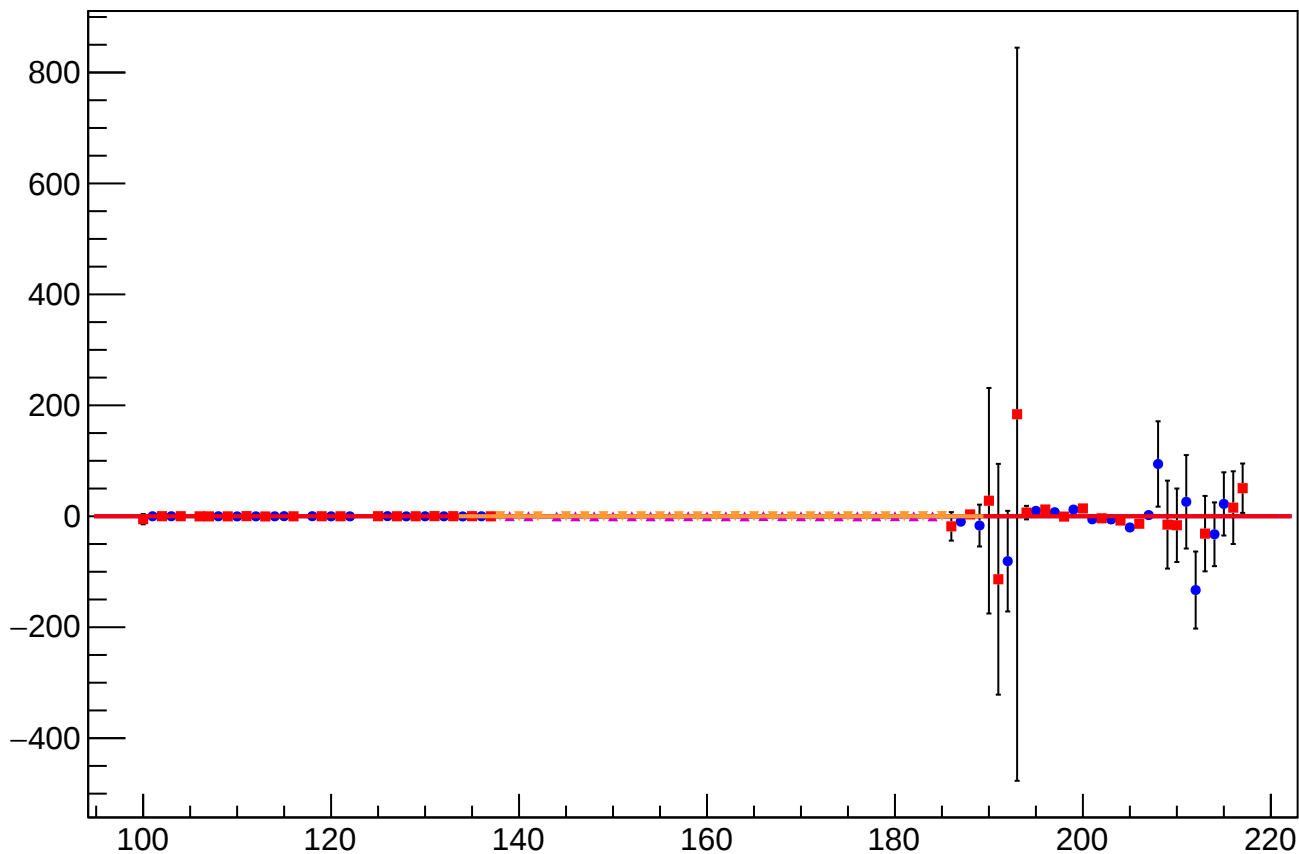
Left In: 0.020 ± 0.022 χ^2/NDF : 35.6/22

+ sign 0.095 ± 0.020 χ^2/NDF : 71.6/54

All: 0.073 ± 0.014 χ^2/NDF : 184.7/112

- sign 0.051 ± 0.021 χ^2/NDF : 110.8/57

reg_asym_dsl_diff_bpm4eY_slope vs Slug



Right In: -0.007 ± 0.033 χ^2/NDF : 39.2/30

Left Out: 0.105 ± 0.020 χ^2/NDF : 29.5/23

Right Out: 0.057 ± 0.034 χ^2/NDF : 36.2/34

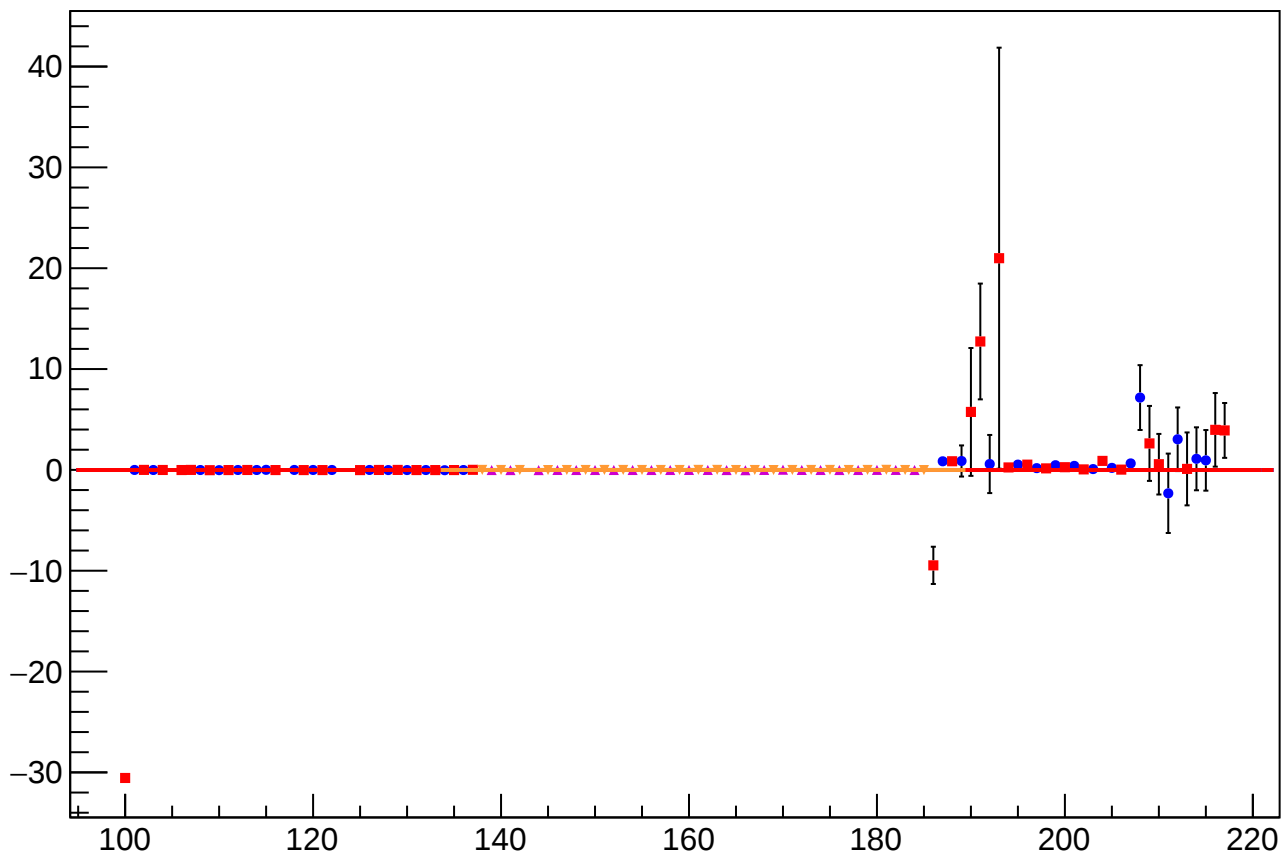
Left In: 0.069 ± 0.020 χ^2/NDF : 31.3/22

+ sign 0.076 ± 0.017 χ^2/NDF : 77.2/54

All: 0.071 ± 0.012 χ^2/NDF : 145.1/112

- sign 0.066 ± 0.017 χ^2/NDF : 67.7/57

reg_asym_dsl_diff_bpm12X_slope vs Slug



Right In: -0.012 ± 0.002 χ^2/NDF : 48.1/30

Left Out: -0.008 ± 0.001 χ^2/NDF : 30.1/23

Right Out: -0.012 ± 0.002 χ^2/NDF : 11958.1/34

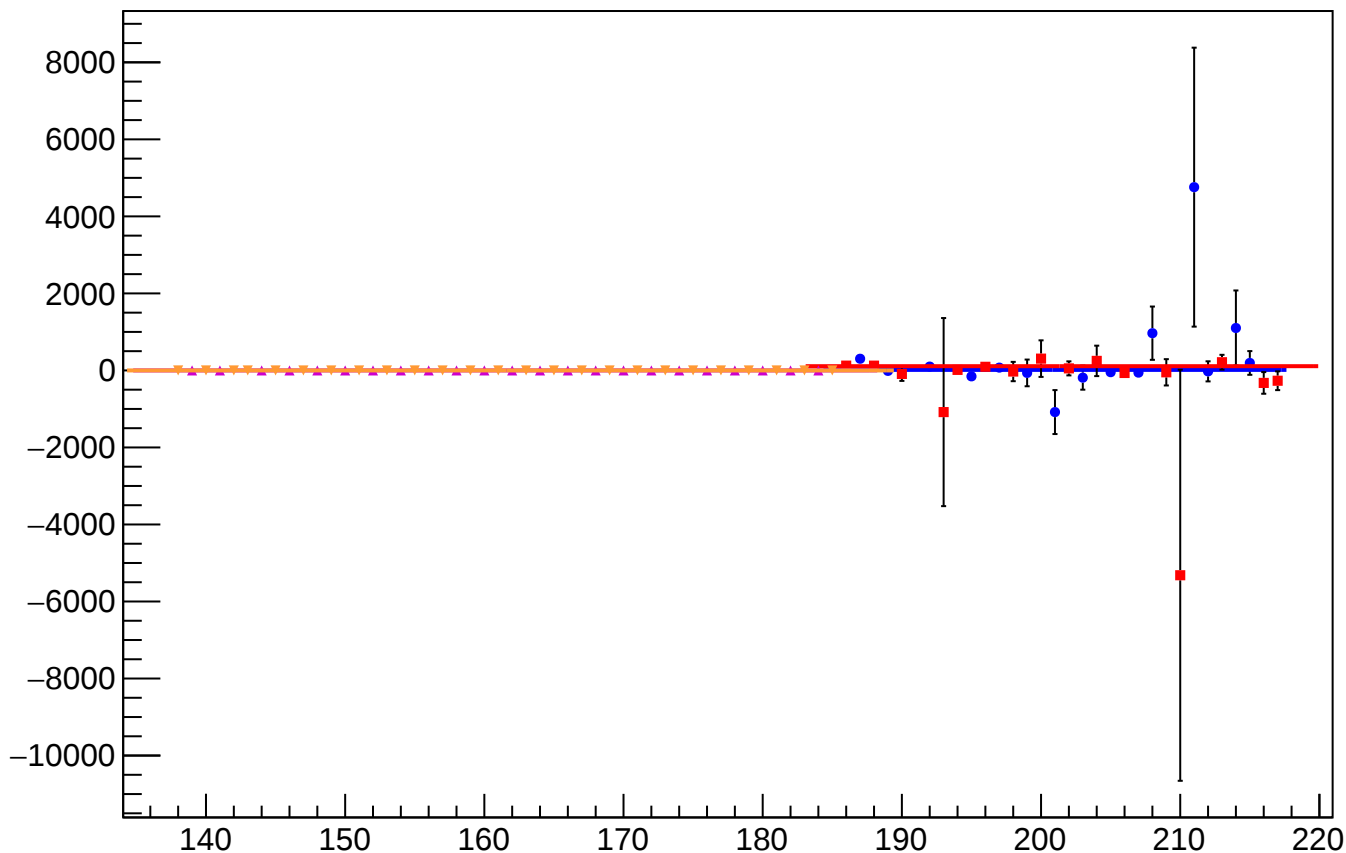
Left In: -0.009 ± 0.001 χ^2/NDF : 40.8/22

+ sign -0.009 ± 0.001 χ^2/NDF : 81.6/54

All: -0.009 ± 0.001 χ^2/NDF : 12083.3/112

- sign -0.009 ± 0.001 χ^2/NDF : 12001.4/57

reg_asym_dsr_diff_bpm1X_slope vs Slug



Right In: 13.828+/-25.808 χ^2/NDF : 25.5/14

Left Out: 0.017+/-0.027 χ^2/NDF : 30.9/24

Right Out: 110.162+/-16.049 χ^2/NDF : 13.6/15

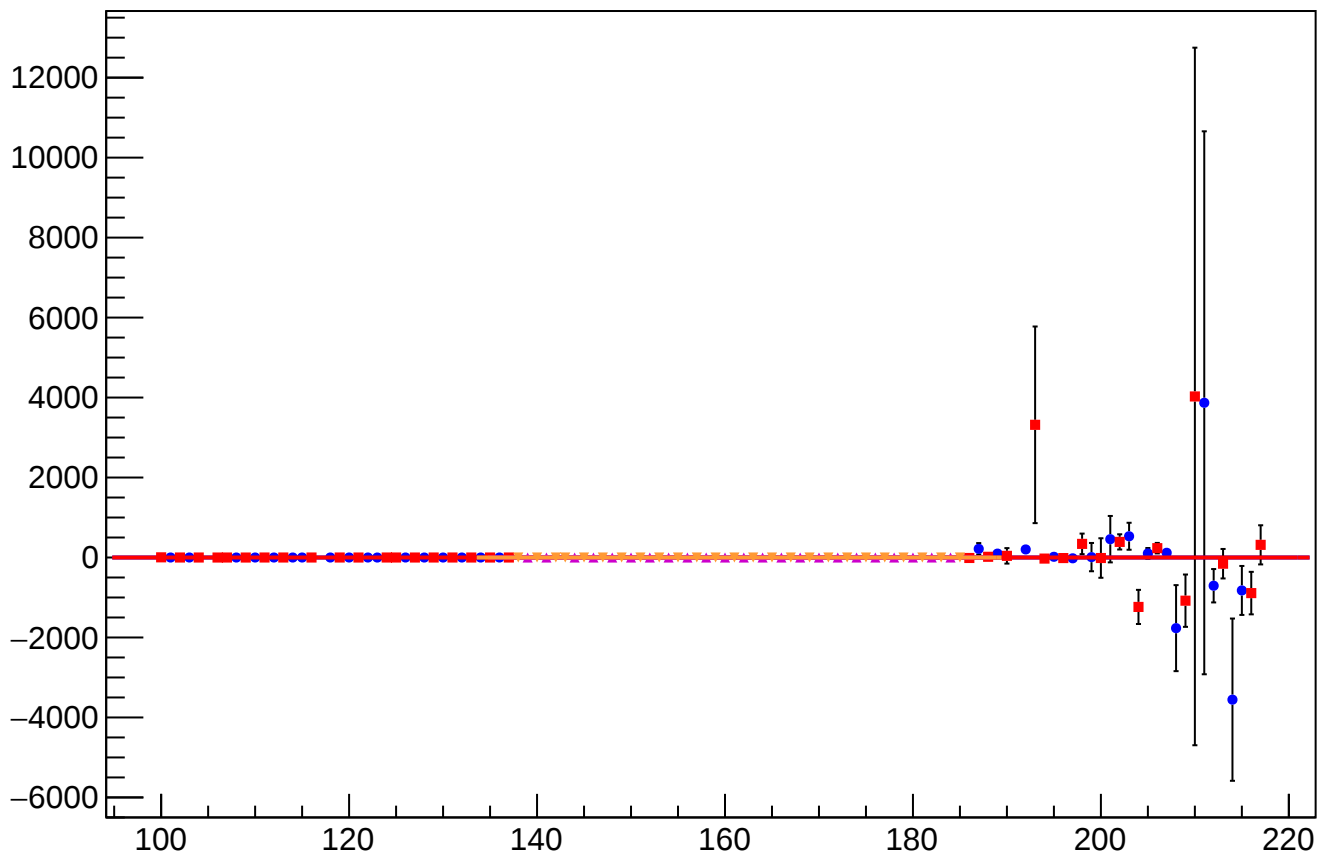
Left In: 0.002+/-0.028 χ^2/NDF : 29.0/22

+ sign 0.017+/-0.027 χ^2/NDF : 56.8/39

All: 0.010+/-0.019 χ^2/NDF : 146.7/78

- sign 0.003+/-0.028 χ^2/NDF : 89.8/38

reg_asym_dsr_diff_bpm4aY_slope vs Slug



Right In: -0.022 ± 0.037 χ^2/NDF : 49.8/31

Left Out: -0.060 ± 0.021 χ^2/NDF : 24.6/24

Right Out: -0.120 ± 0.039 χ^2/NDF : 44.6/34

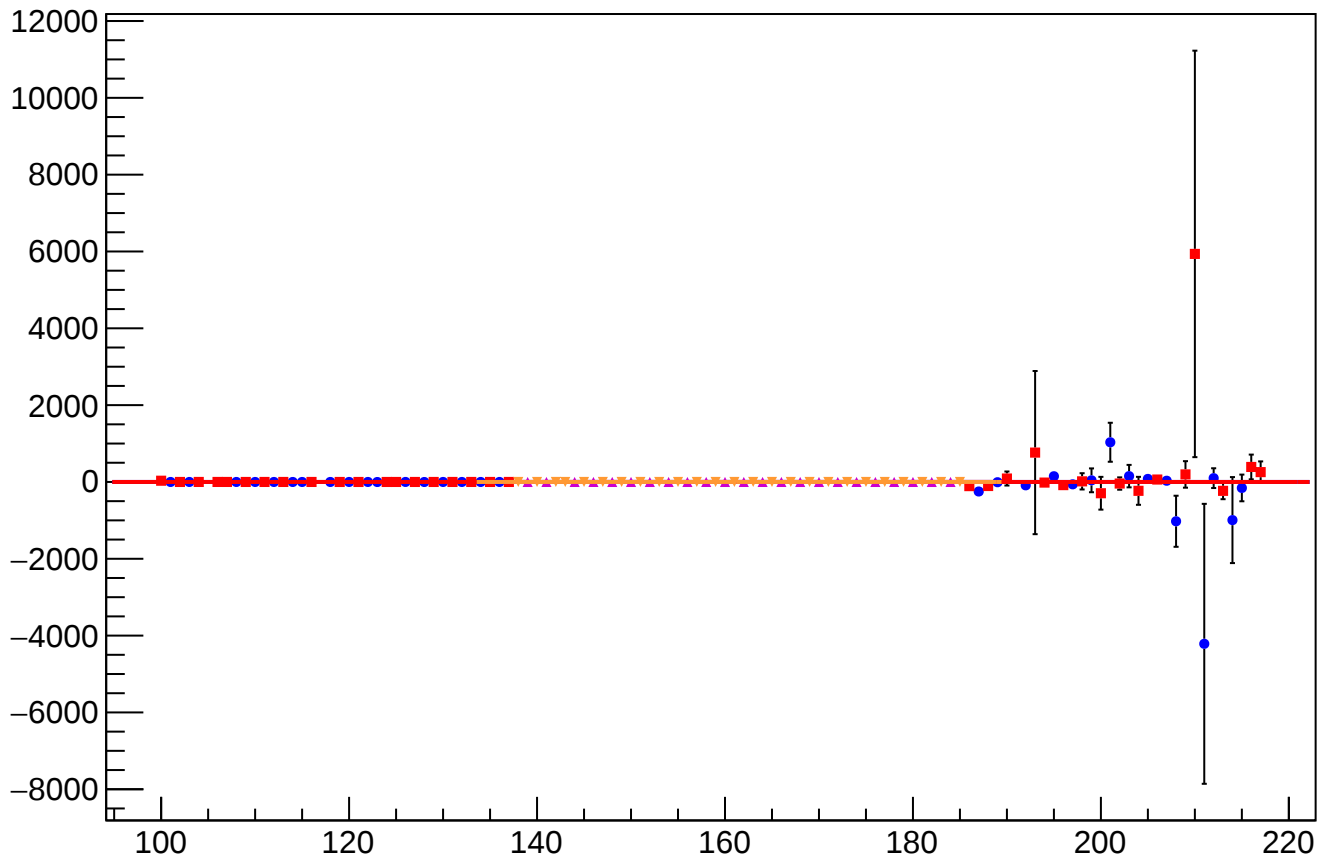
Left In: -0.071 ± 0.022 χ^2/NDF : 49.0/22

+ sign -0.050 ± 0.018 χ^2/NDF : 75.2/56

All: -0.066 ± 0.013 χ^2/NDF : 171.5/114

- sign -0.083 ± 0.019 χ^2/NDF : 94.7/57

reg_asym_dsr_diff_bpm4eX_slope vs Slug



Right In: -0.135 ± 0.067 χ^2/NDF : 51.0/31

Left Out: -0.018 ± 0.027 χ^2/NDF : 29.0/24

Right Out: -0.167 ± 0.071 χ^2/NDF : 84.1/34

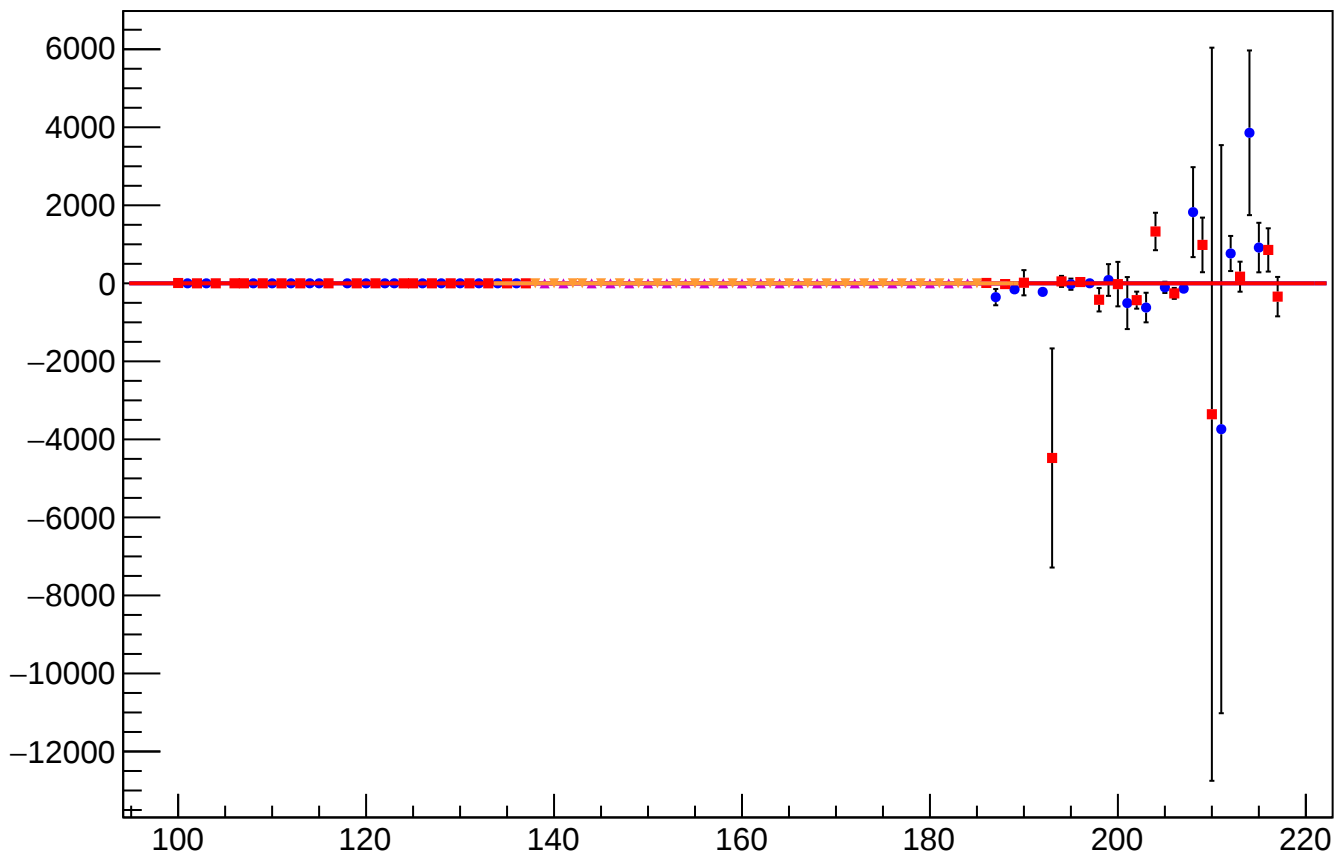
Left In: -0.033 ± 0.027 χ^2/NDF : 28.5/22

+ sign -0.035 ± 0.025 χ^2/NDF : 82.6/56

All: -0.042 ± 0.018 χ^2/NDF : 198.5/114

- sign -0.050 ± 0.026 χ^2/NDF : 115.7/57

reg_asym_dsr_diff_bpm4eY_slope vs Slug



Right In: 0.018 $\pm$ 0.043 χ^2 /NDF: 49.2/31

Left Out: 0.063 $\pm$ 0.024 χ^2 /NDF:24.6/24

Right Out: 0.144 $\pm$ 0.045 χ^2 /NDF: 41.8/34

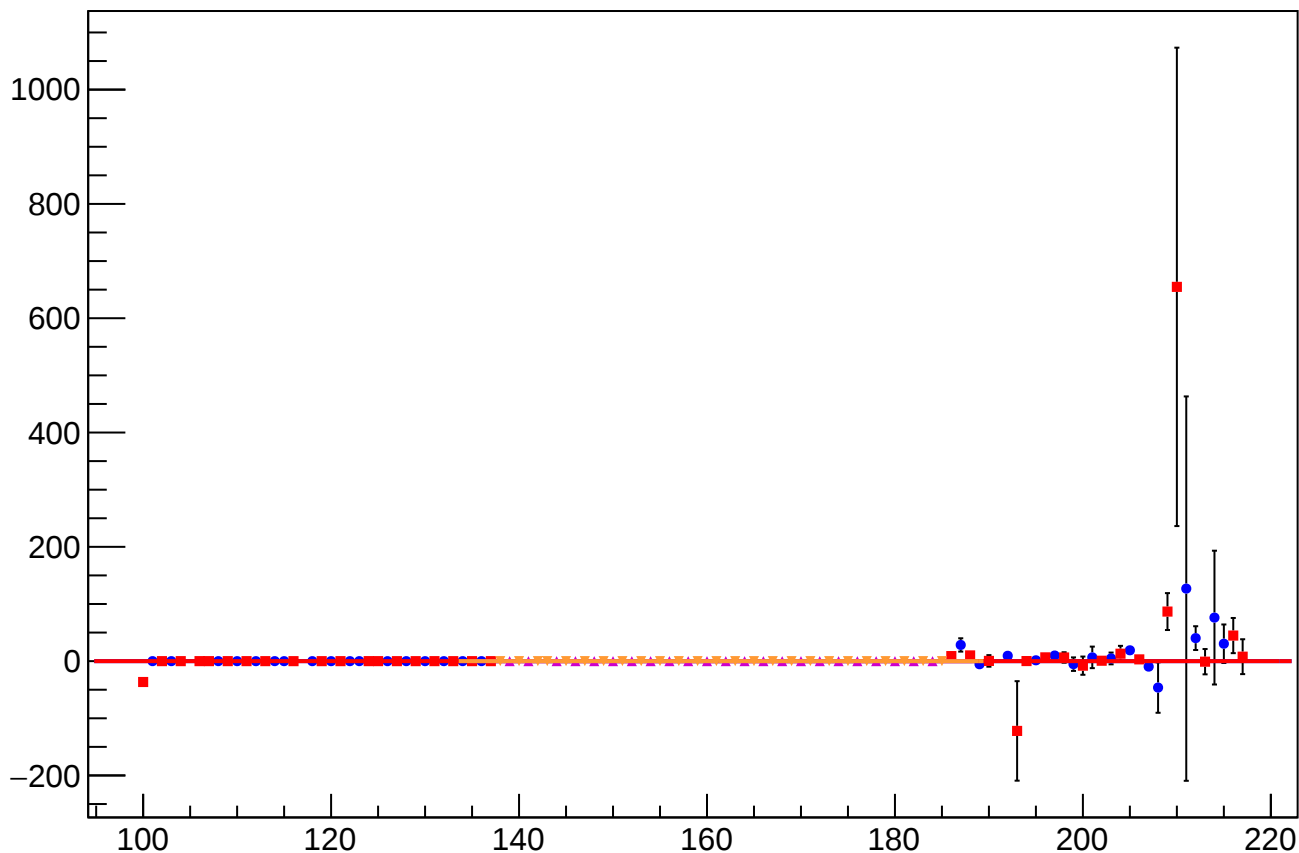
Left In: 0.069 $\pm$ 0.025 χ^2 /NDF:51.8/22

+ sign 0.052 $\pm$ 0.021 χ^2 /NDF: 74.6/56

All: 0.069 $\pm$ 0.015 χ^2 /NDF: 171.6/114

- sign 0.086 $\pm$ 0.022 χ^2 /NDF: 95.7/57

reg_asym_dsr_diff_bpm12X_slope vs Slug



Right In: 0.001+/-0.002 χ^2/NDF : 69.2/31

Left Out: 0.008+/-0.001 χ^2/NDF : 26.3/24

Right Out: 0.001+/-0.002 χ^2/NDF : 10486.2/34

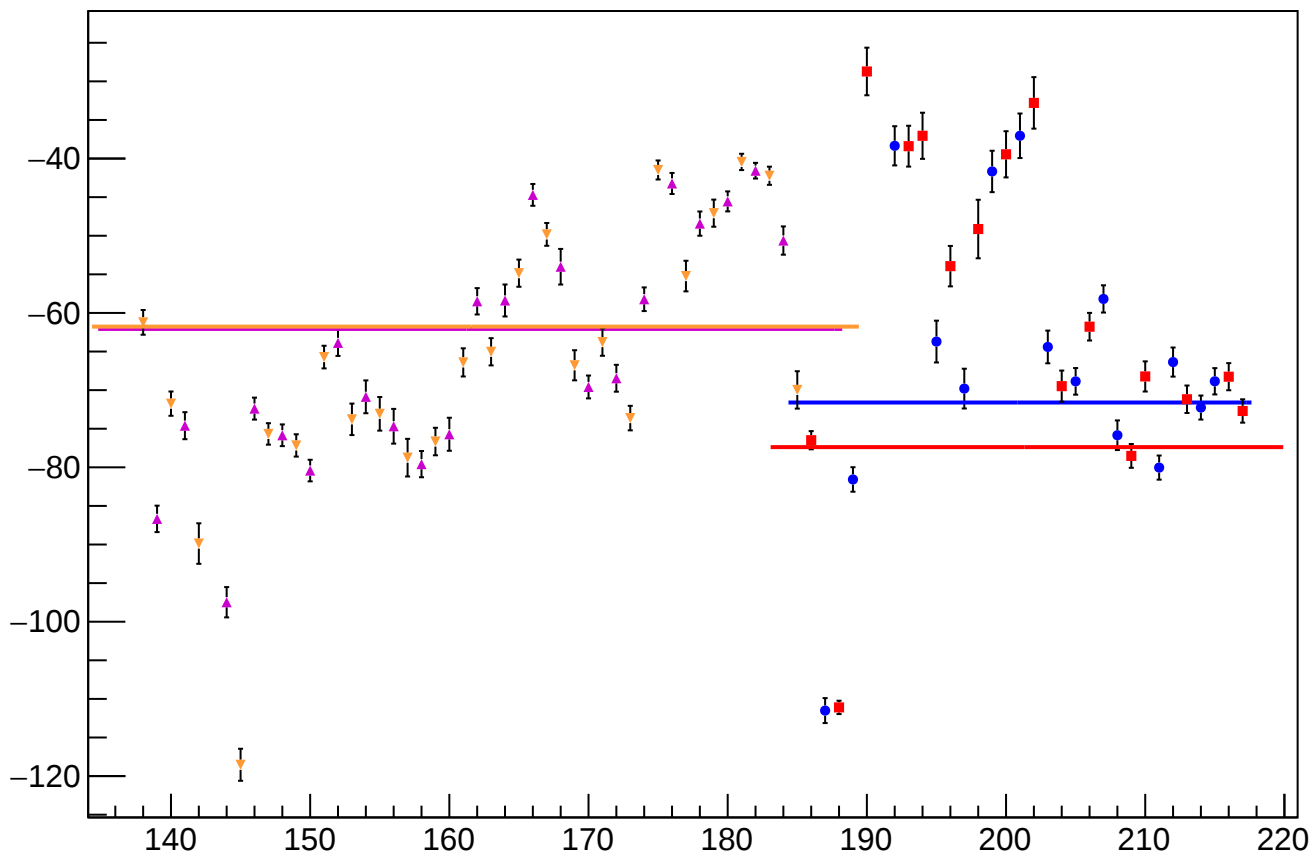
Left In: 0.009+/-0.001 χ^2/NDF : 15.0/22

+ sign 0.007+/-0.001 χ^2/NDF : 103.6/56

All: 0.007+/-0.001 χ^2/NDF : 10615.2/114

- sign 0.007+/-0.001 χ^2/NDF : 10511.5/57

reg_asym_us_avg_diff_bpm1X_slope vs Slug



Right In: -71.604 ± 0.495 $\chi^2/\text{NDF}: 1213.2/14$

Left Out: -61.771 ± 0.334 $\chi^2/\text{NDF}: 2504.9/23$

Right Out: -77.382 ± 0.440 $\chi^2/\text{NDF}: 2809.4/15$

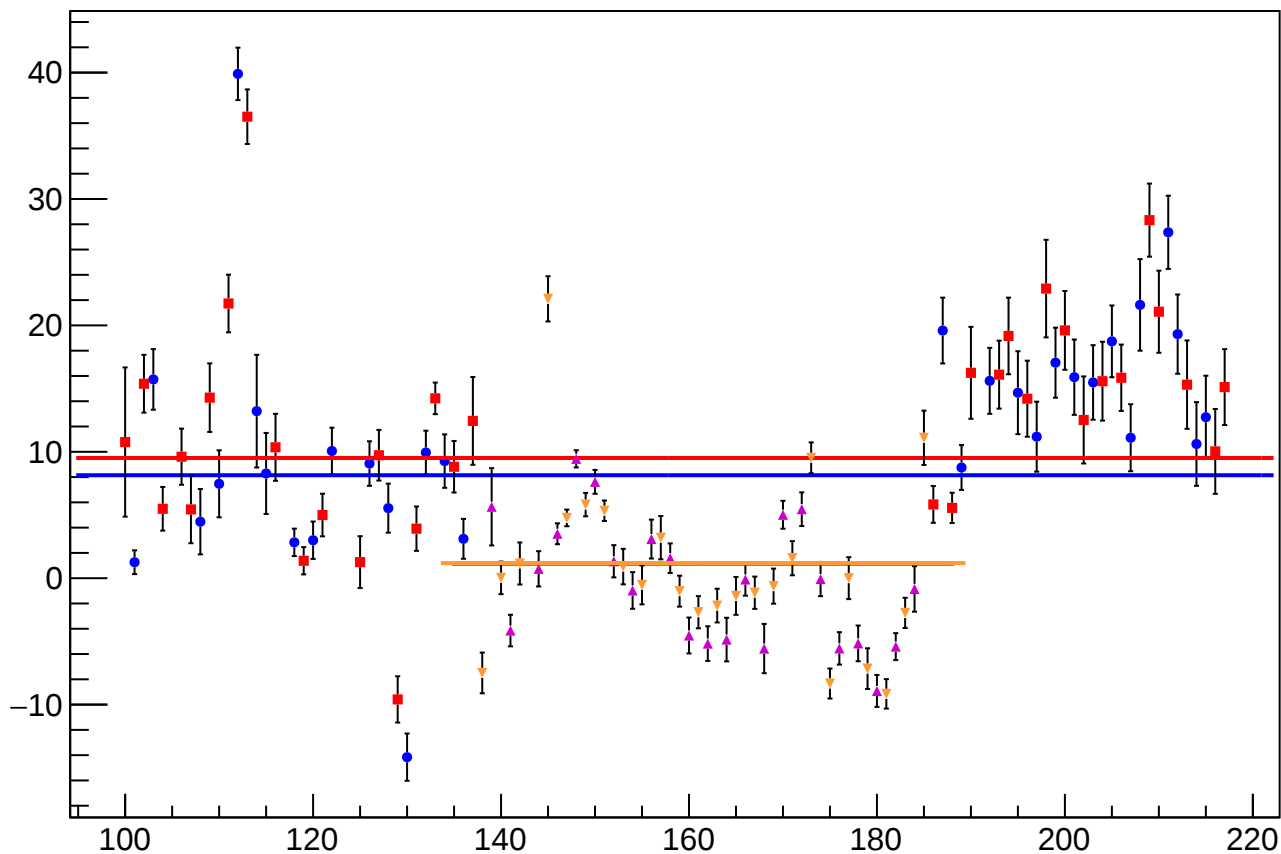
Left In: -62.073 ± 0.332 $\chi^2/\text{NDF}: 2192.0/22$

+ sign -64.846 ± 0.277 $\chi^2/\text{NDF}: 3989.3/38$

All: -66.295 ± 0.192 $\chi^2/\text{NDF}: 9813.1/77$

- sign -67.627 ± 0.265 $\chi^2/\text{NDF}: 5771.2/38$

reg_asym_us_avg_diff_bpm4aY_slope vs Slug



Right In: 8.147 ± 0.369 χ^2/NDF : 639.1/30

Left Out: 1.198 ± 0.253 χ^2/NDF : 526.3/23

Right Out: 9.510 ± 0.366 χ^2/NDF : 550.5/33

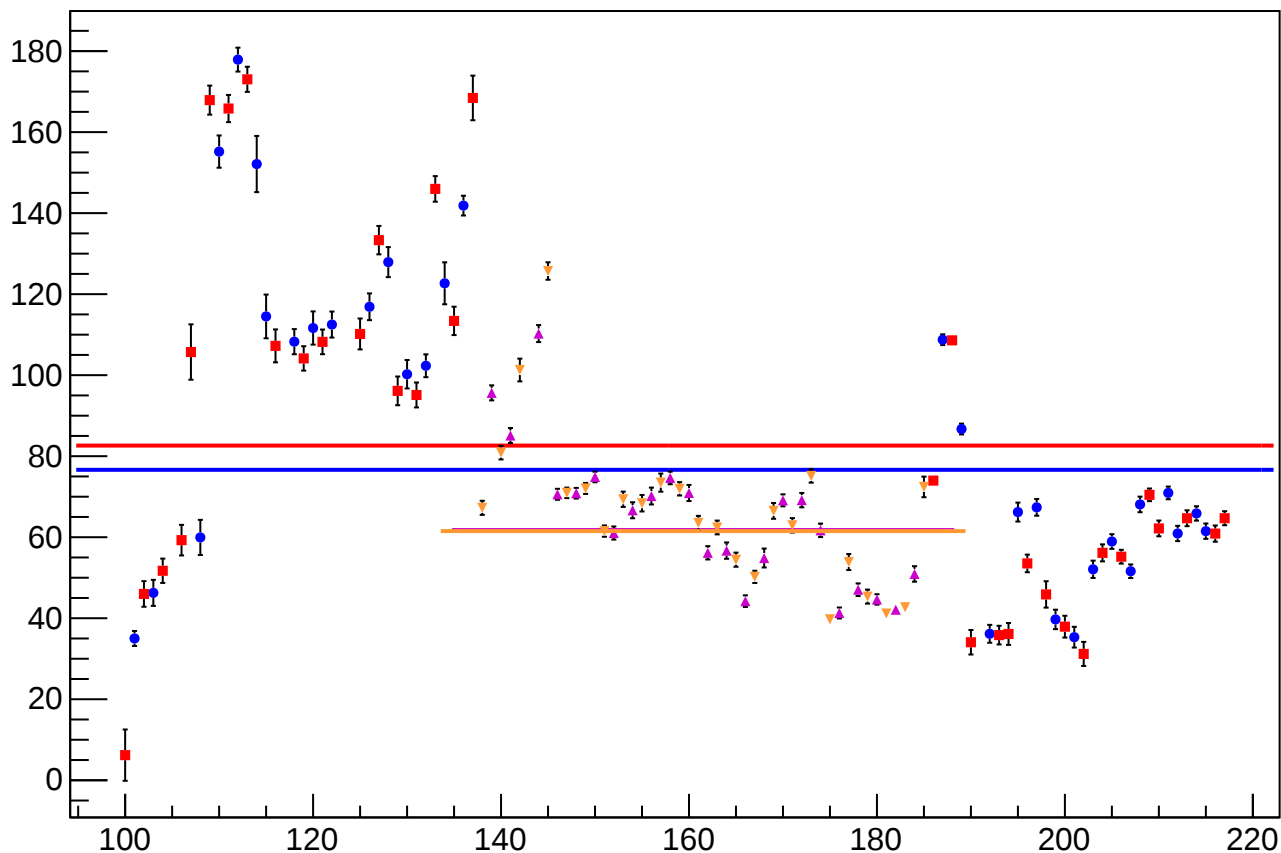
Left In: 1.146 ± 0.255 χ^2/NDF : 462.9/22

+ sign 3.417 ± 0.208 χ^2/NDF : 1407.2/54

All: 3.650 ± 0.148 χ^2/NDF : 2774.7/111

- sign 3.886 ± 0.209 χ^2/NDF : 1365.0/56

reg_asym_us_avg_diff_bpm4eX_slope vs Slug



Right In: 76.639 $\pm$ 0.407 χ^2 /NDF: 6076.4/30

Left Out: 61.512 $\pm$ 0.332 χ^2 /NDF: 2606.0/23

Right Out: 82.622 $\pm$ 0.360 χ^2 /NDF: 7864.4/33

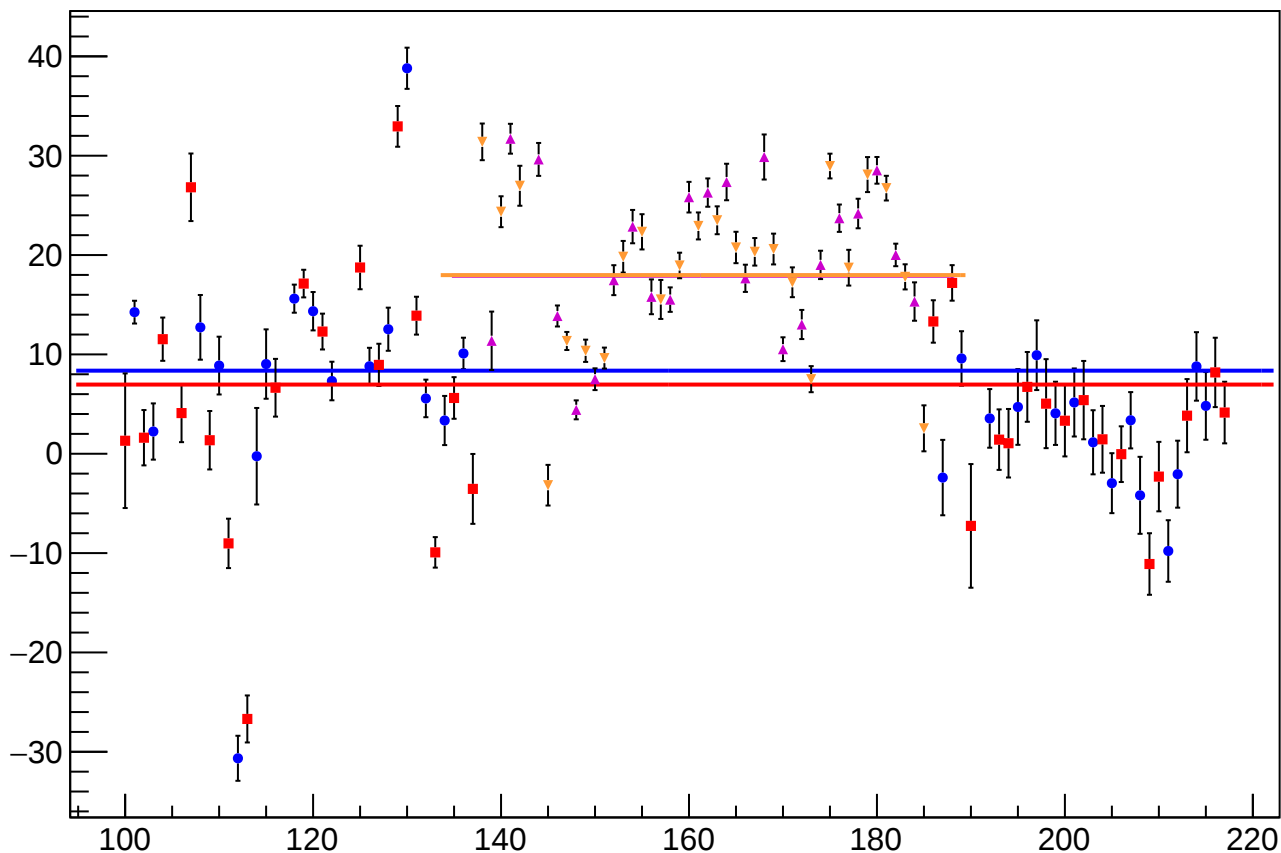
Left In: 61.762 $\pm$ 0.330 χ^2 /NDF: 2418.2/22

+ sign 67.556 $\pm$ 0.258 χ^2 /NDF: 9510.2/54

All: 69.525 $\pm$ 0.177 χ^2 /NDF: 21727.5/111

- sign 71.282 $\pm$ 0.243 χ^2 /NDF: 12106.7/56

reg_asym_us_avg_diff_bpm4eY_slope vs Slug



Right In: 8.363 ± 0.429 χ^2/NDF : 687.9/30

Left Out: 17.980 ± 0.291 χ^2/NDF : 674.4/23

Right Out: 6.963 ± 0.433 χ^2/NDF : 793.5/33

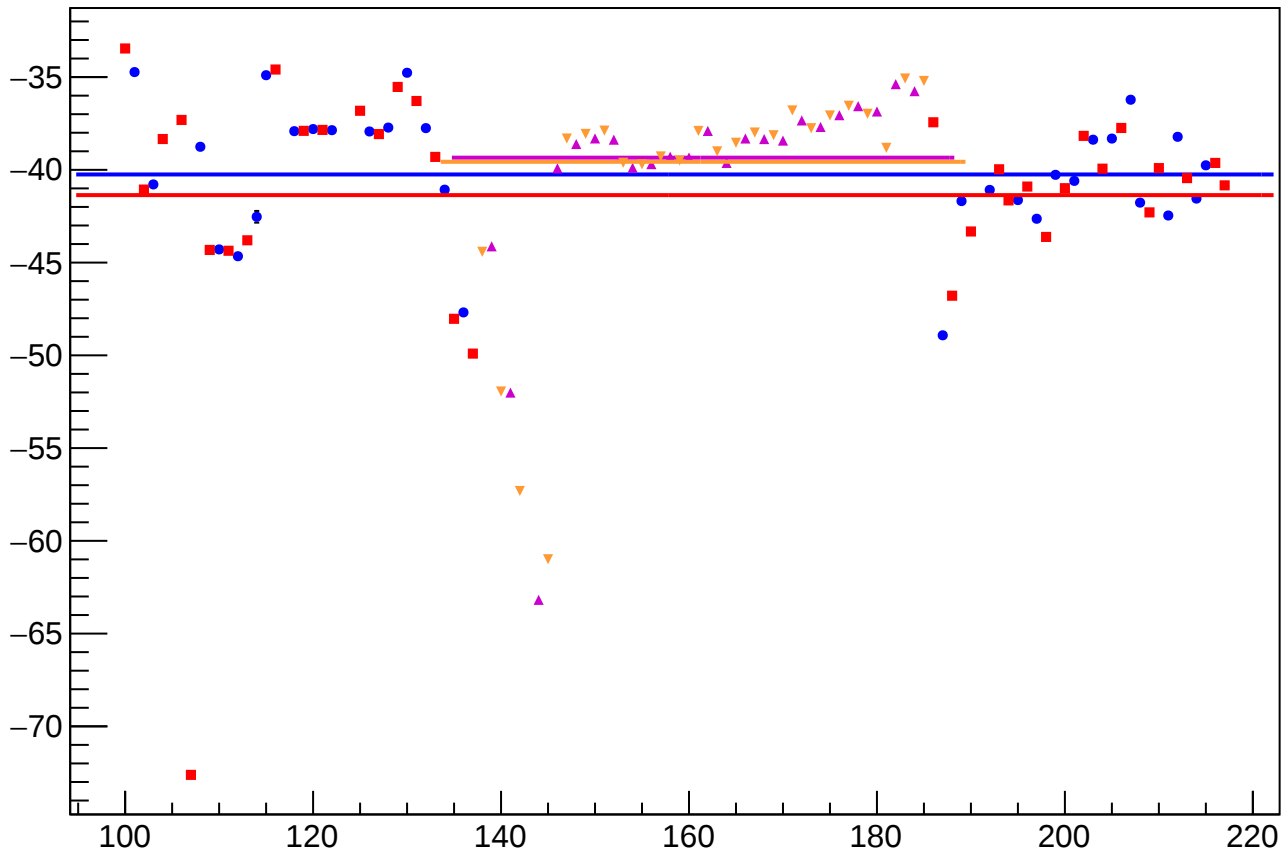
Left In: 17.916 ± 0.292 χ^2/NDF : 726.5/22

+ sign 14.949 ± 0.241 χ^2/NDF : 1706.9/54

All: 14.721 ± 0.171 χ^2/NDF : 3667.5/111

- sign 14.491 ± 0.242 χ^2/NDF : 1958.9/56

reg_asym_us_avg_diff_bpm12X_slope vs Slug



Right In: -40.249 ± 0.021 $\chi^2/\text{NDF}: 29898.2/30$

Left Out: -39.566 ± 0.014 $\chi^2/\text{NDF}: 141198.7/23$

Right Out: -41.362 ± 0.021 $\chi^2/\text{NDF}: 68795.3/33$

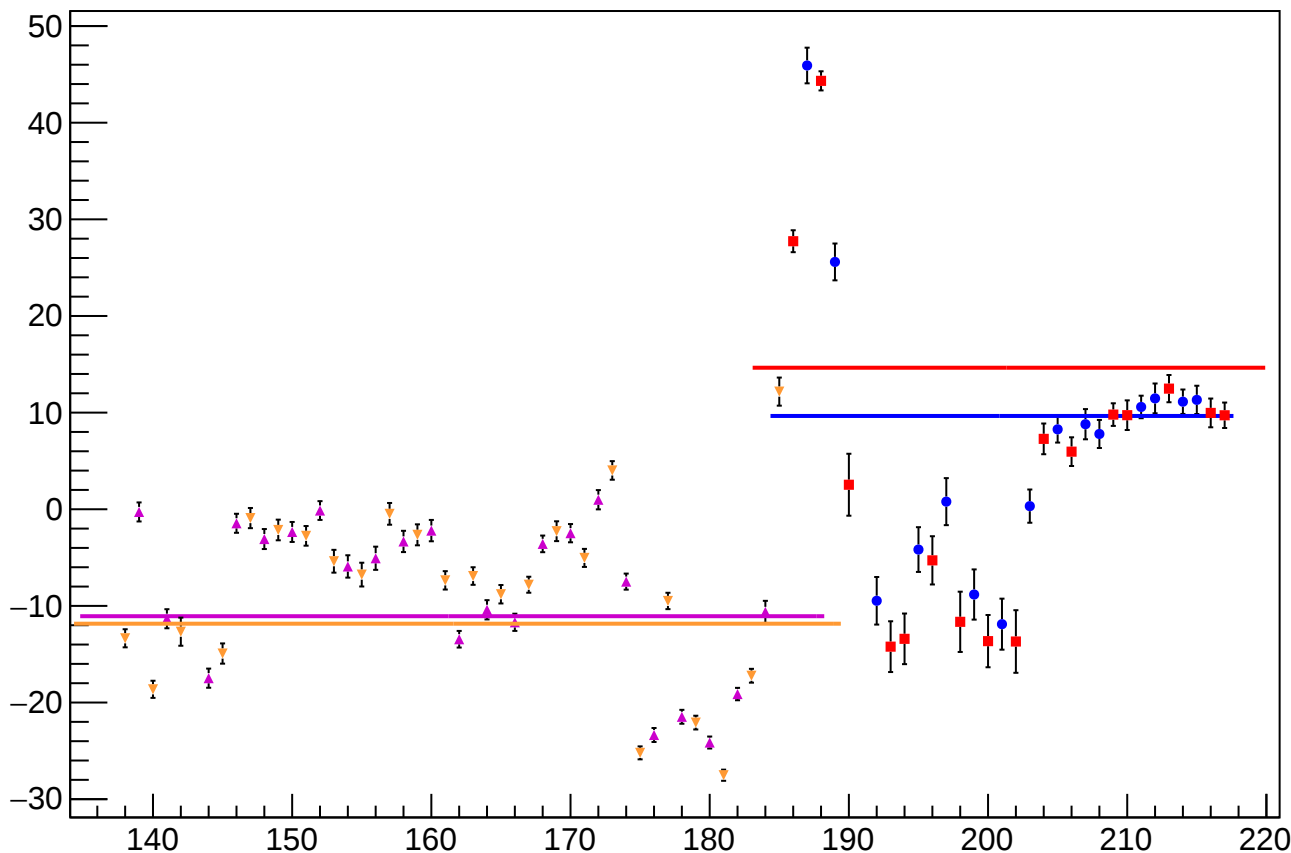
Left In: -39.344 ± 0.014 $\chi^2/\text{NDF}: 116615.7/22$

+ sign -39.767 ± 0.012 $\chi^2/\text{NDF}: 171825.1/54$

All: -39.852 ± 0.008 $\chi^2/\text{NDF}: 363793.9/111$

- sign -39.935 ± 0.011 $\chi^2/\text{NDF}: 191862.4/56$

reg_asym_us_dd_diff_bpm1X_slope vs Slug



Right In: 9.655 ± 0.431 $\chi^2/\text{NDF}: 720.0/14$

Left Out: -11.842 ± 0.187 $\chi^2/\text{NDF}: 2739.8/23$

Right Out: 14.646 ± 0.401 $\chi^2/\text{NDF}: 1711.9/15$

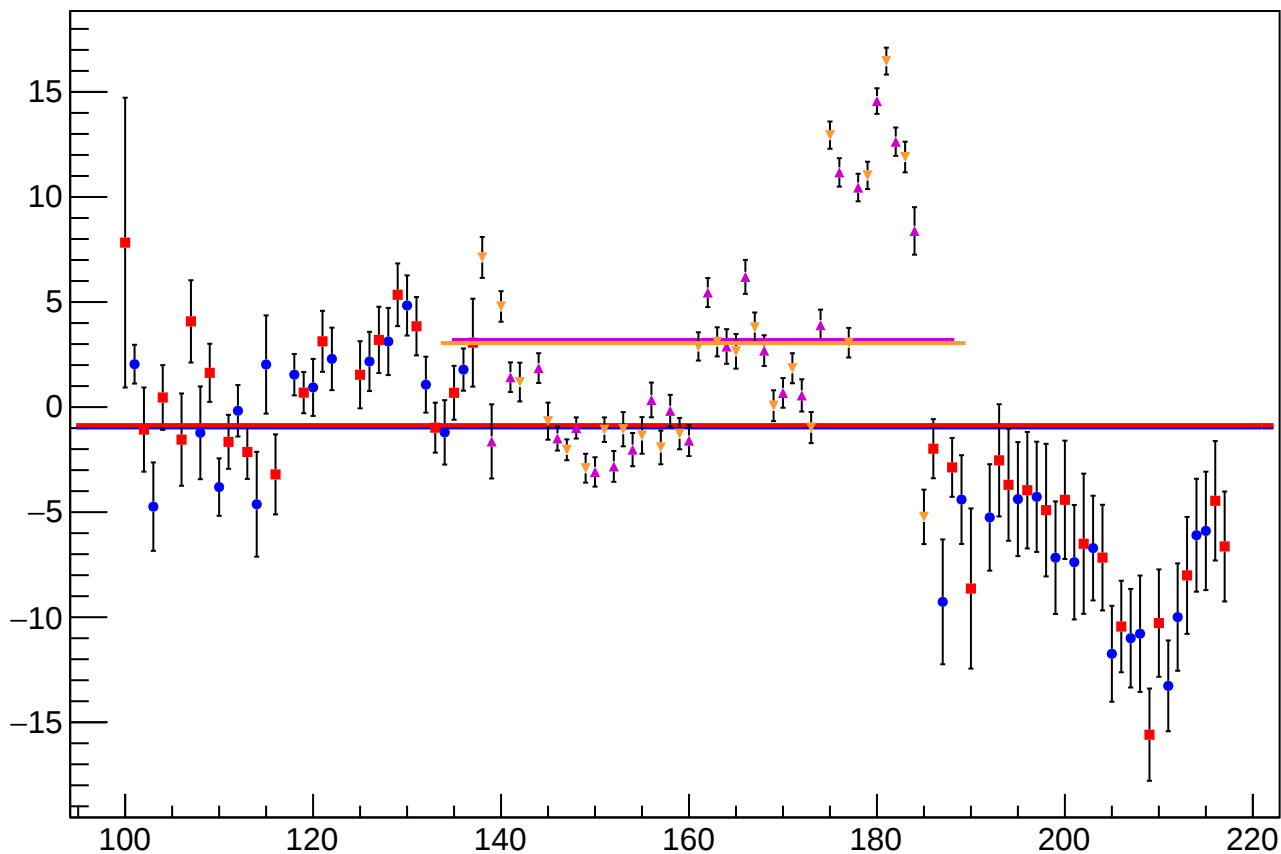
Left In: -11.067 ± 0.188 $\chi^2/\text{NDF}: 2104.8/22$

+ sign -8.440 ± 0.171 $\chi^2/\text{NDF}: 5555.3/38$

All: -7.431 ± 0.121 $\chi^2/\text{NDF}: 12811.2/77$

- sign -6.436 ± 0.170 $\chi^2/\text{NDF}: 7187.0/38$

reg_asym_us_dd_diff_bpm4aY_slope vs Slug



Right In: -0.967 ± 0.303 χ^2/NDF : 210.9/30

Left Out: 3.047 ± 0.148 χ^2/NDF : 1457.2/23

Right Out: -0.857 ± 0.302 χ^2/NDF : 180.7/33

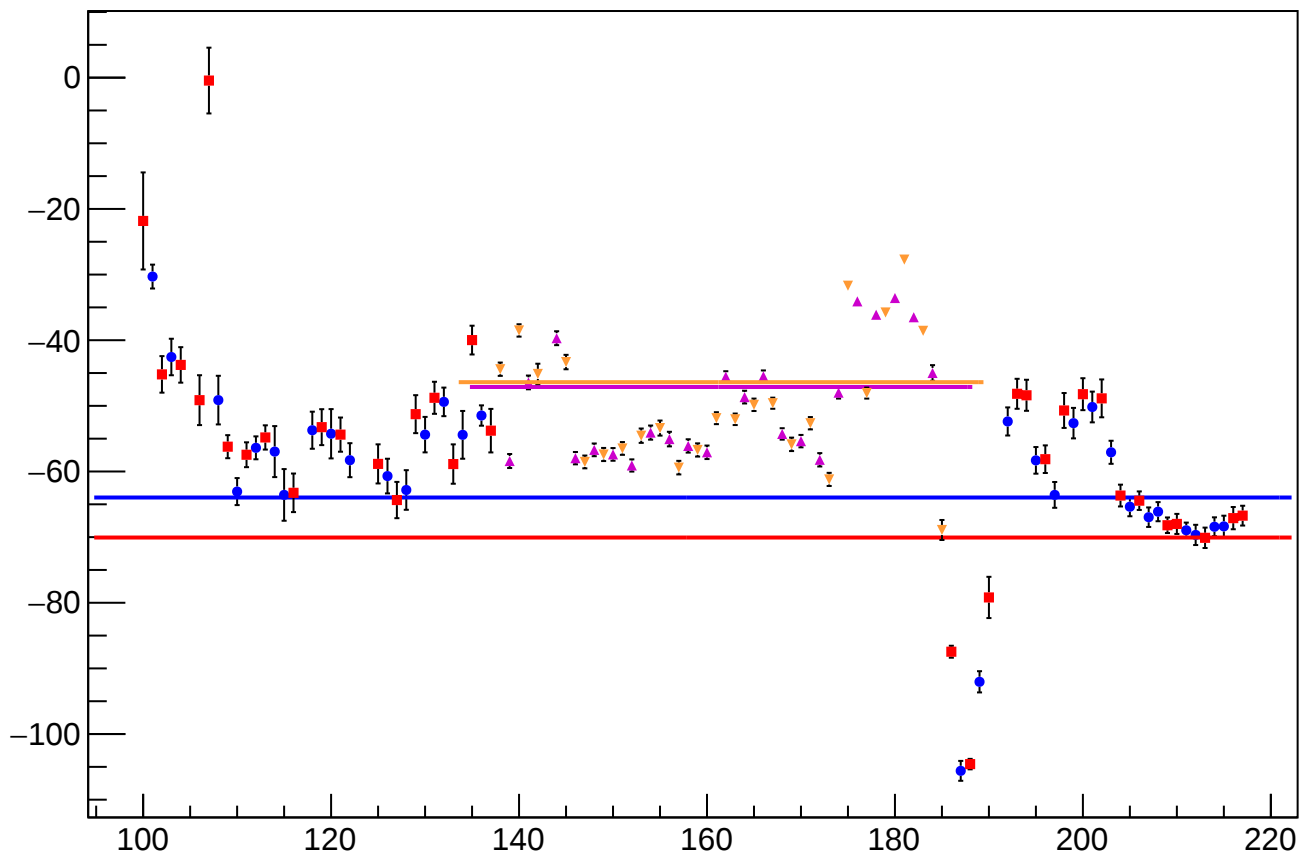
Left In: 3.194 ± 0.150 χ^2/NDF : 1295.0/22

+ sign 2.275 ± 0.133 χ^2/NDF : 1809.8/54

All: 2.334 ± 0.094 χ^2/NDF : 3429.9/111

- sign 2.395 ± 0.134 χ^2/NDF : 1619.7/56

reg_asym_us_dd_diff_bpm4eX_slope vs Slug



Right In: -63.964 ± 0.348 χ^2/NDF : 1818.9/30

Left Out: -46.392 ± 0.187 χ^2/NDF : 3286.7/23

Right Out: -70.061 ± 0.320 χ^2/NDF : 3741.1/33

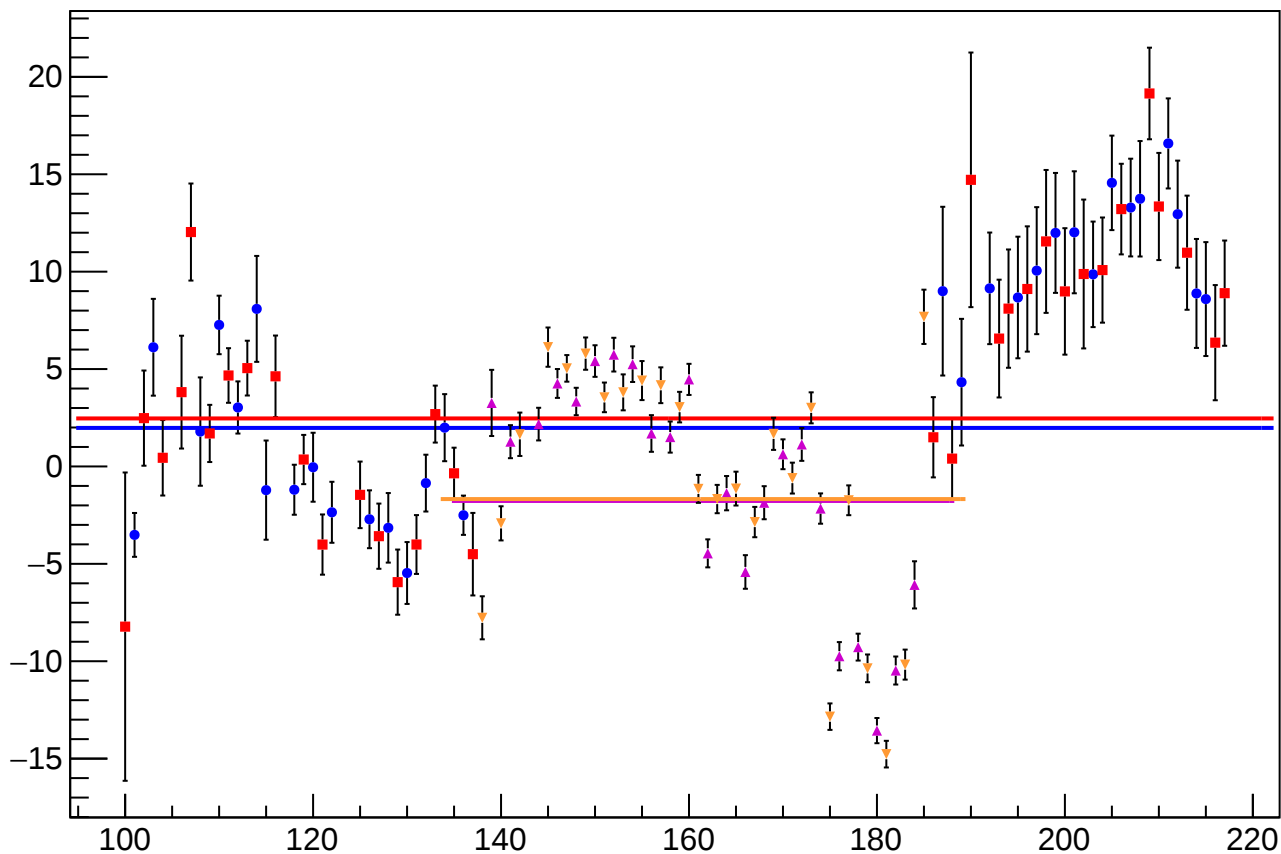
Left In: -47.128 ± 0.187 χ^2/NDF : 2516.0/22

+ sign -50.323 ± 0.164 χ^2/NDF : 7090.2/54

All: -51.665 ± 0.115 χ^2/NDF : 17296.9/111

- sign -52.962 ± 0.162 χ^2/NDF : 10075.7/56

reg_asym_us_dd_diff_bpm4eY_slope vs Slug



Right In: 1.978+/-0.343 χ^2/NDF : 304.6/30

Left Out: -1.675+/-0.167 χ^2/NDF :1483.8/23

Right Out: 2.465+/-0.347 χ^2/NDF : 262.1/33

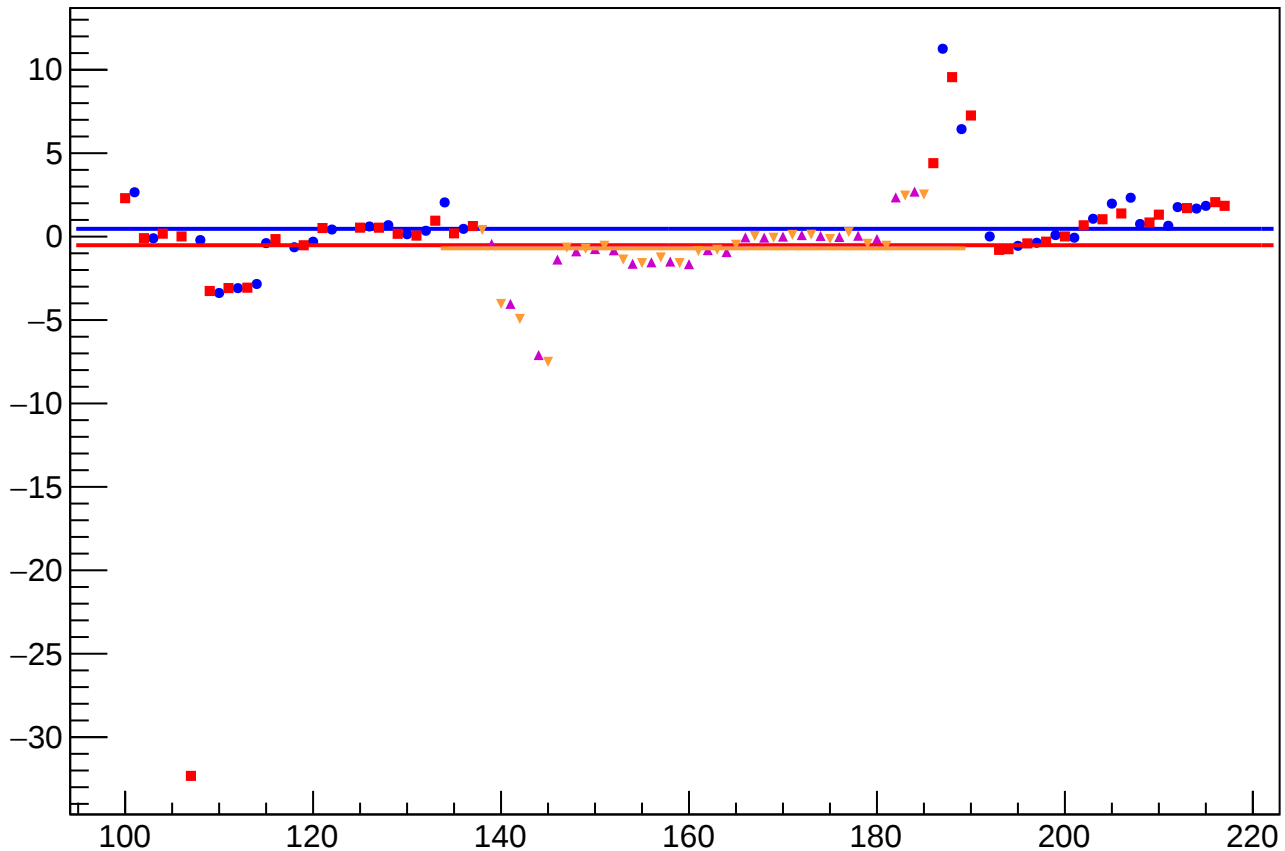
Left In: -1.771+/-0.169 χ^2/NDF :1251.3/22

+ sign -0.977+/-0.150 χ^2/NDF : 1879.9/54

All: -0.969+/-0.107 χ^2/NDF : 3513.5/111

- sign -0.961+/-0.152 χ^2/NDF : 1633.7/56

reg_asym_us_dd_diff_bpm12X_slope vs Slug



Right In: 0.466 ± 0.017 χ^2/NDF : 10227.4/30

Left Out: -0.702 ± 0.008 χ^2/NDF : 53834.9/23

Right Out: -0.516 ± 0.017 χ^2/NDF : 94500.2/33

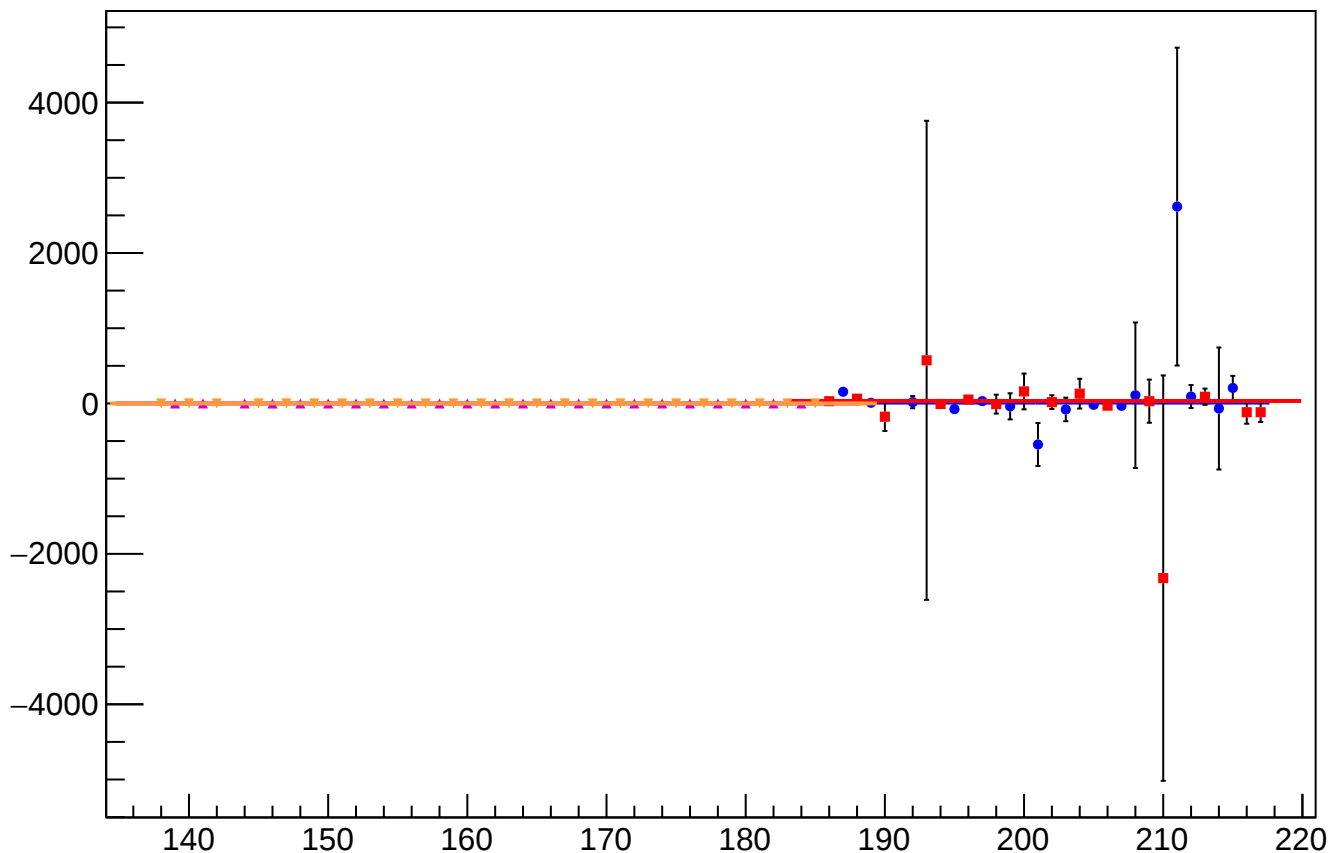
Left In: -0.644 ± 0.008 χ^2/NDF : 44169.2/22

+ sign -0.510 ± 0.007 χ^2/NDF : 67898.0/54

All: -0.566 ± 0.005 χ^2/NDF : 206743.4/111

- sign -0.623 ± 0.007 χ^2/NDF : 138714.8/56

reg_asym_ds_avg_diff_bpm1X_slope vs Slug



Right In: 11.660 ± 15.071 χ^2/NDF : 22.7/14

Left Out: -0.037 ± 0.018 χ^2/NDF : 35.4/23

Right Out: 32.972 ± 9.587 χ^2/NDF : 9.9/15

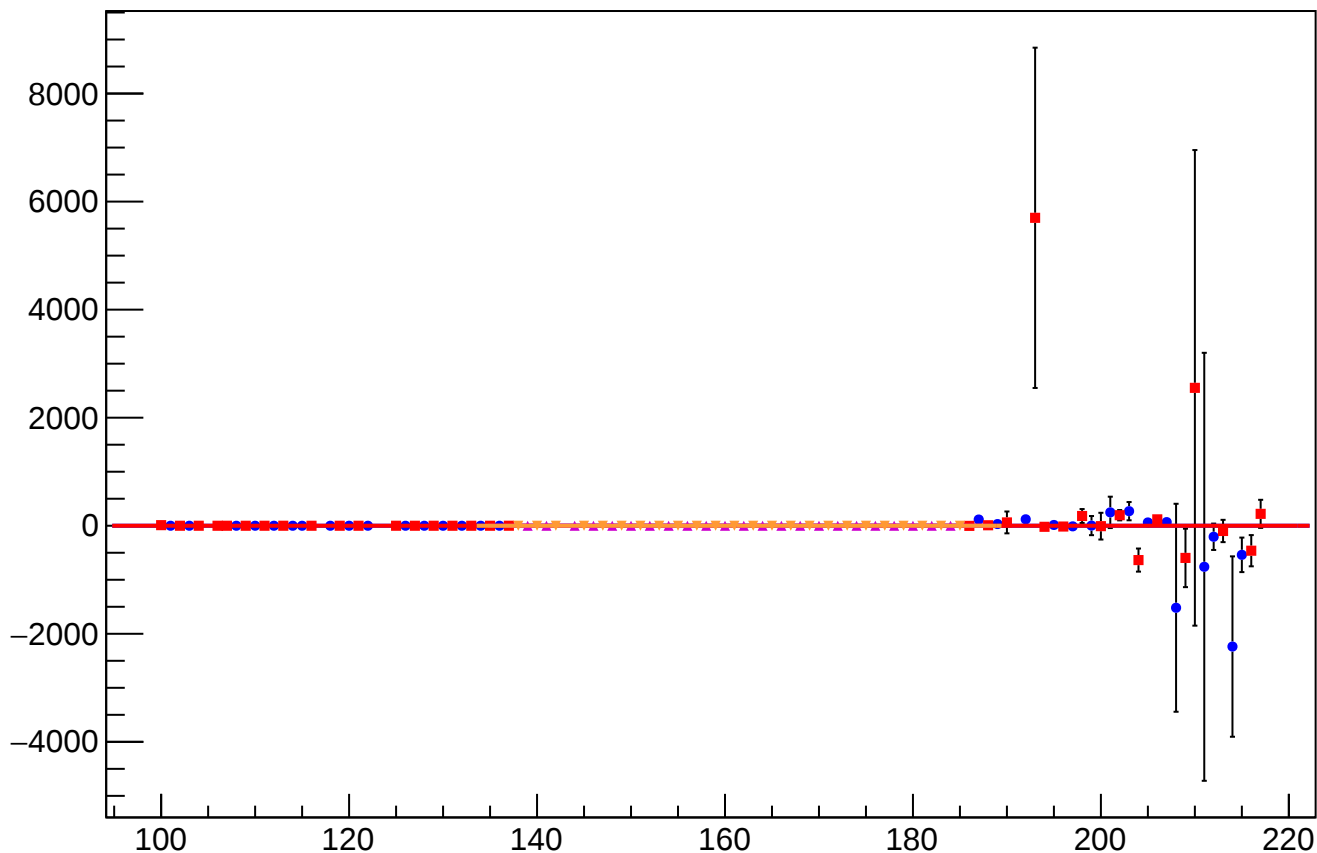
Left In: -0.010 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.037 ± 0.018 χ^2/NDF : 58.7/38

All: -0.024 ± 0.013 χ^2/NDF : 116.7/77

- sign -0.010 ± 0.018 χ^2/NDF : 56.9/38

reg_asym_ds_avg_diff_bpm4aY_slope vs Slug



Right In: -0.013 ± 0.023 χ^2/NDF : 29.5/30

Left Out: -0.073 ± 0.014 χ^2/NDF : 27.8/23

Right Out: -0.088 ± 0.025 χ^2/NDF : 39.8/33

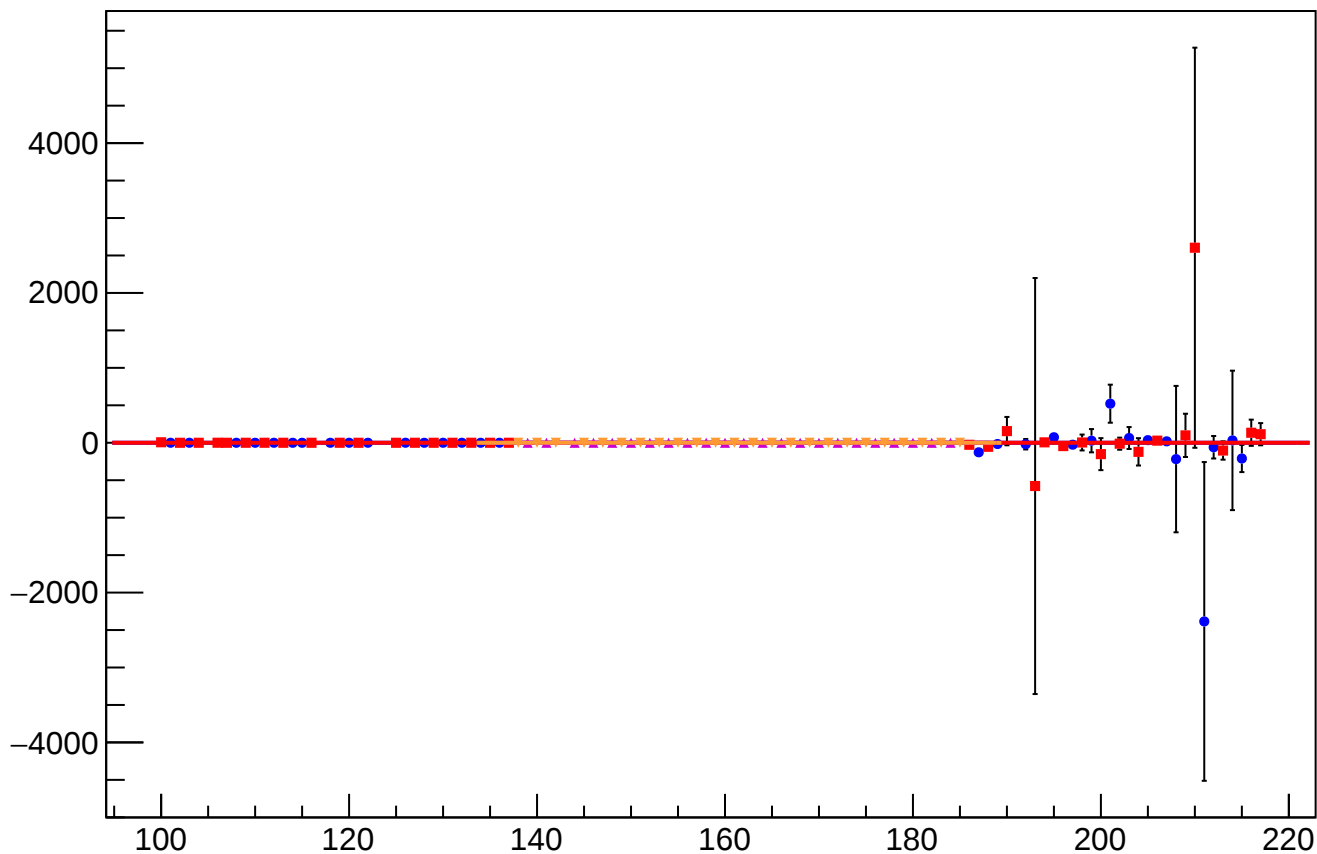
Left In: -0.064 ± 0.014 χ^2/NDF : 41.1/22

+ sign -0.057 ± 0.012 χ^2/NDF : 62.0/54

All: -0.063 ± 0.009 χ^2/NDF : 144.2/111

- sign -0.070 ± 0.012 χ^2/NDF : 81.6/56

reg_asym_ds_avg_diff_bpm4eX_slope vs Slug



Right In: 0.016 ± 0.043 χ^2/NDF : 32.9/30

Left Out: 0.035 ± 0.018 χ^2/NDF : 32.2/23

Right Out: 0.031 ± 0.045 χ^2/NDF : 33.6/33

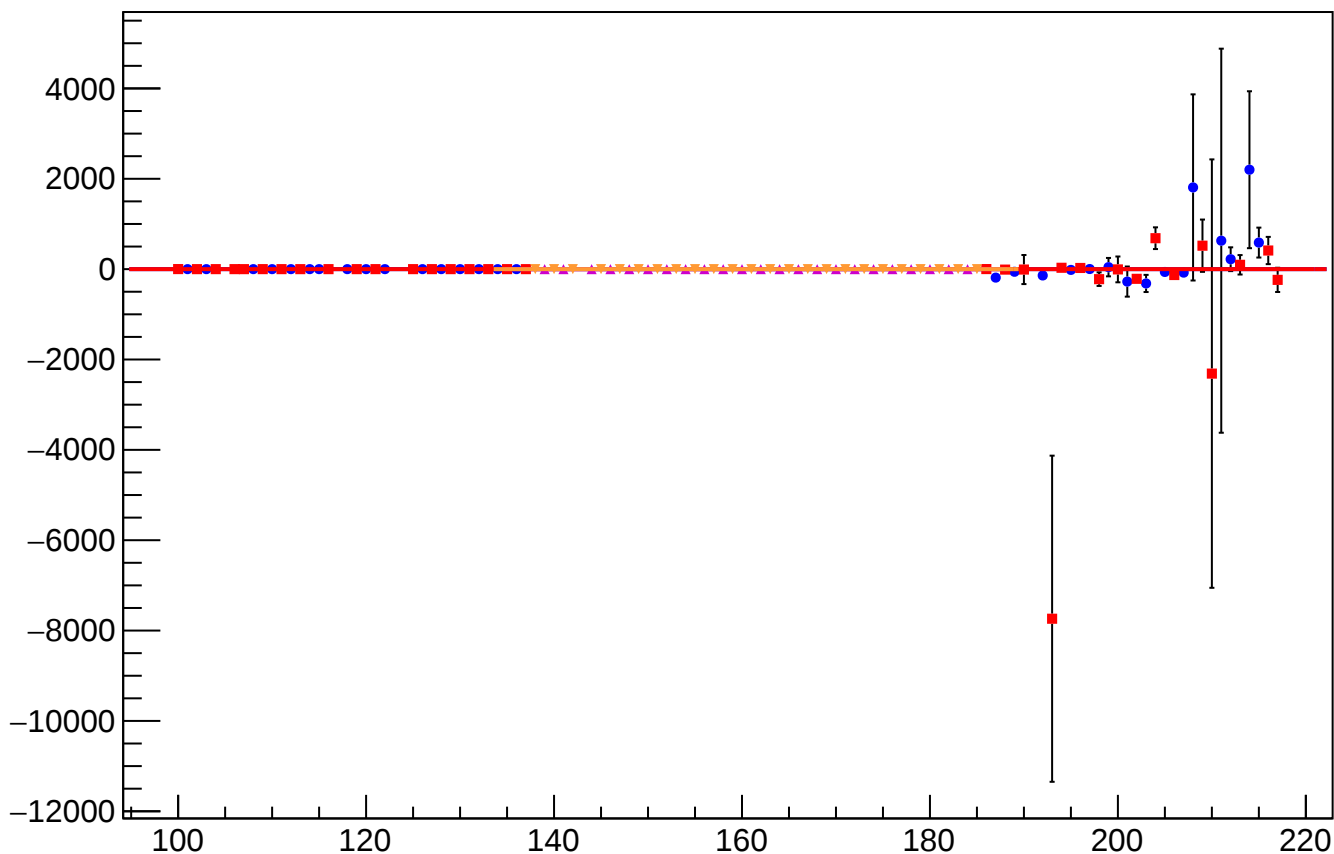
Left In: -0.009 ± 0.018 χ^2/NDF : 36.8/22

+ sign 0.032 ± 0.017 χ^2/NDF : 65.3/54

All: 0.015 ± 0.012 χ^2/NDF : 138.7/111

- sign -0.003 ± 0.017 χ^2/NDF : 71.1/56

reg_asym_ds_avg_diff_bpm4eY_slope vs Slug



Right In: 0.008 $\pm$ 0.027 χ^2 /NDF: 30.9/30

Left Out: 0.086 $\pm$ 0.016 χ^2 /NDF:27.7/23

Right Out: 0.105 $\pm$ 0.029 χ^2 /NDF: 34.6/33

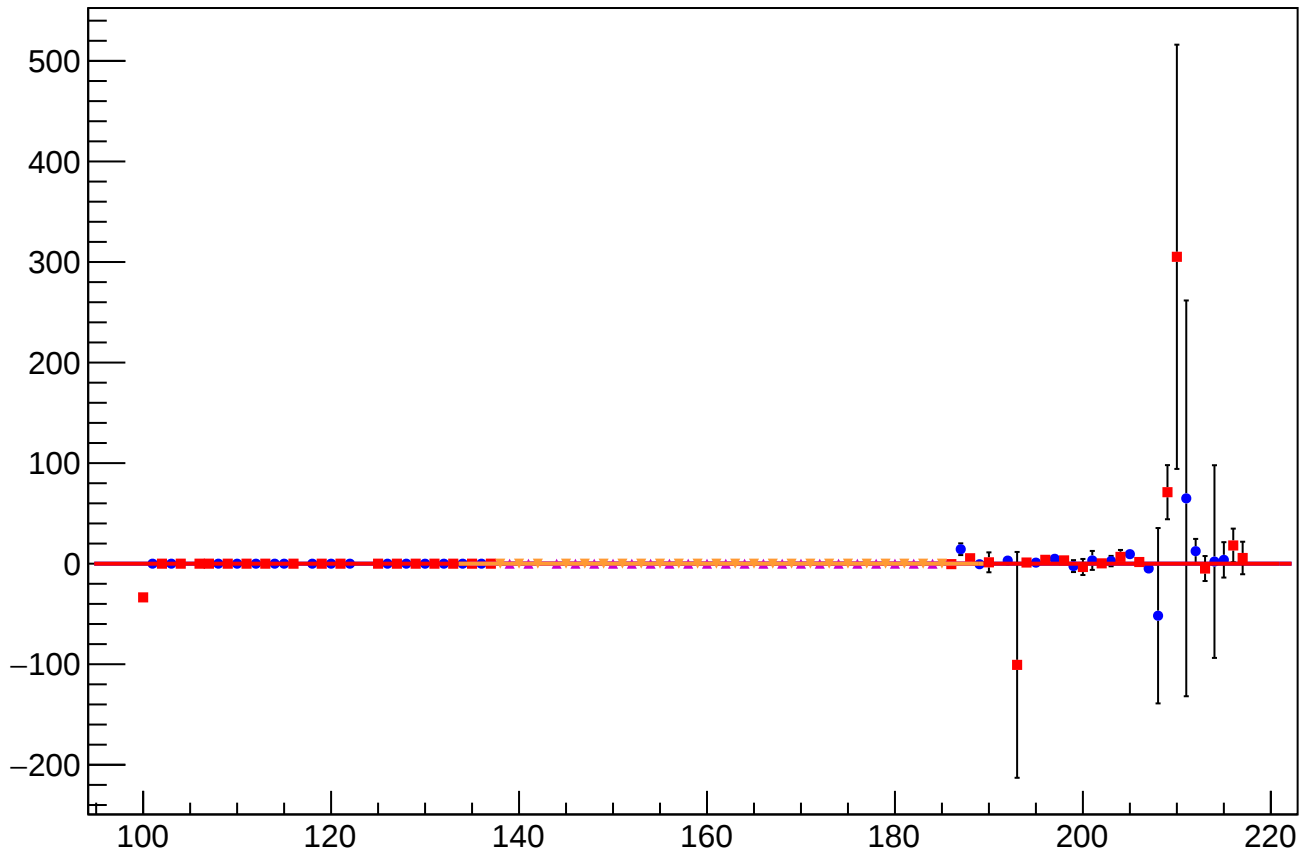
Left In: 0.070 $\pm$ 0.016 χ^2 /NDF:44.8/22

+ sign 0.066 $\pm$ 0.014 χ^2 /NDF: 64.8/54

All: 0.072 $\pm$ 0.010 χ^2 /NDF: 145.8/111

- sign 0.078 $\pm$ 0.014 χ^2 /NDF: 80.6/56

reg_asym_ds_avg_diff_bpm12X_slope vs Slug



Right In: -0.005 ± 0.001 χ^2/NDF : 47.8/30

Left Out: 0.000 ± 0.001 χ^2/NDF : 23.6/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 26532.1/33

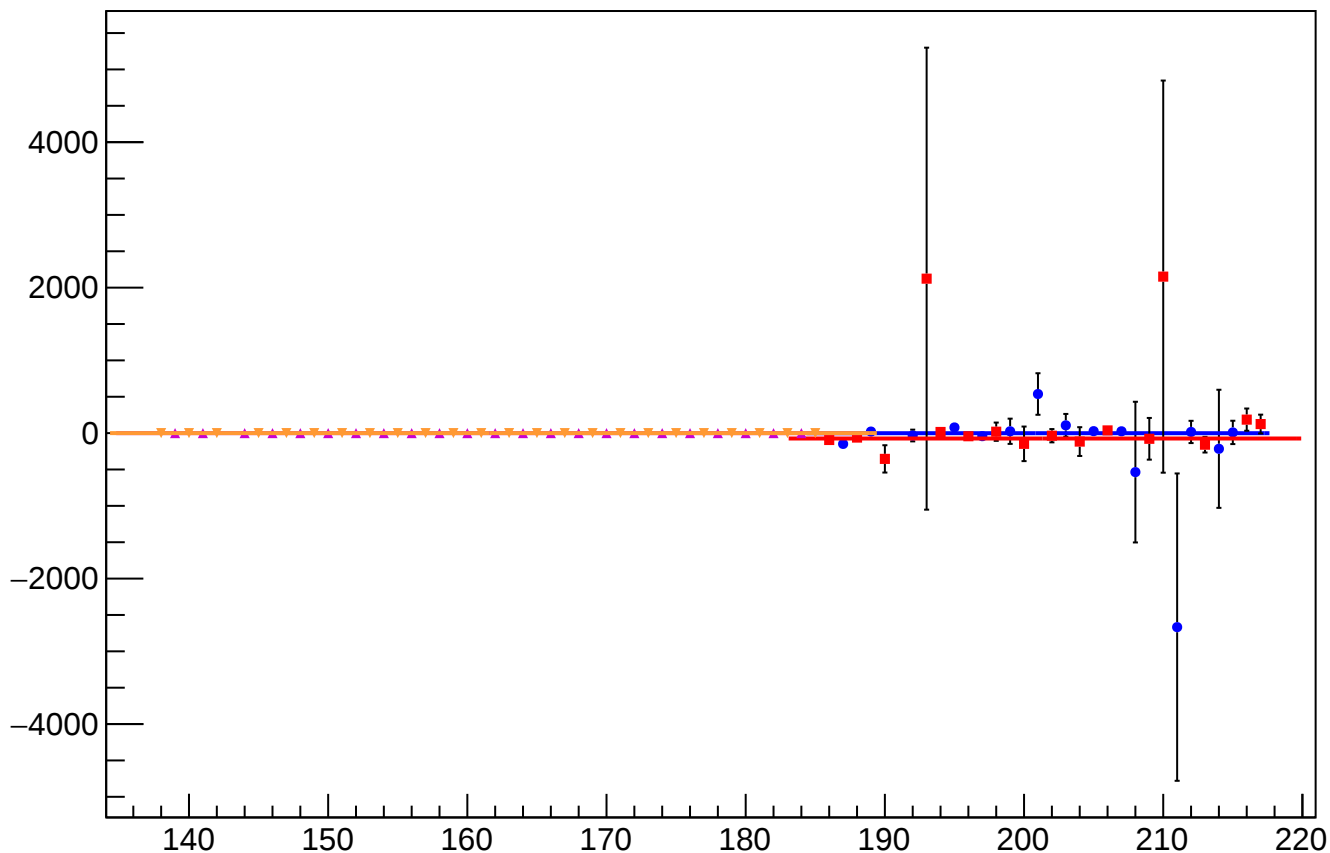
Left In: 0.000 ± 0.001 χ^2/NDF : 22.3/22

+ sign -0.001 ± 0.001 χ^2/NDF : 84.2/54

All: -0.001 ± 0.000 χ^2/NDF : 26652.6/111

- sign -0.001 ± 0.001 χ^2/NDF : 26568.3/56

reg_asym_ds_dd_diff_bpm1X_slope vs Slug



Right In: -1.167 ± 15.066 χ^2/NDF : 21.8/14

Left Out: -0.052 ± 0.018 χ^2/NDF : 37.3/23

Right Out: -74.064 ± 9.589 χ^2/NDF : 21.9/15

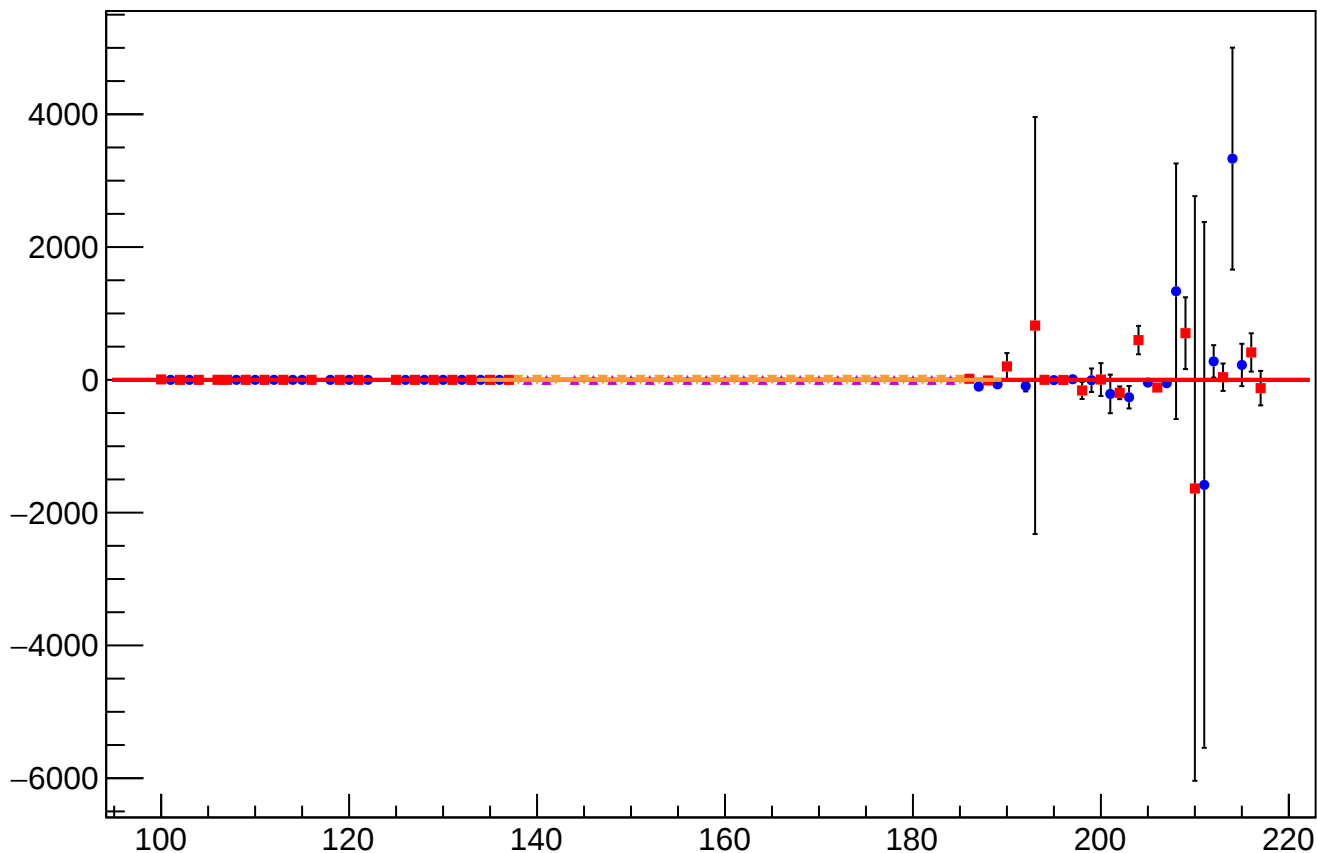
Left In: -0.009 ± 0.018 χ^2/NDF : 35.1/22

+ sign -0.052 ± 0.018 χ^2/NDF : 59.2/38

All: -0.031 ± 0.013 χ^2/NDF : 178.7/77

- sign -0.009 ± 0.018 χ^2/NDF : 116.6/38

reg_asym_ds_dd_diff_bpm4aY_slope vs Slug



Right In: 0.007 $\pm$ 0.023 χ^2 /NDF: 43.7/30

Left Out: -0.011 $\pm$ 0.014 χ^2 /NDF: 29.6/23

Right Out: 0.037 $\pm$ 0.025 χ^2 /NDF: 51.9/33

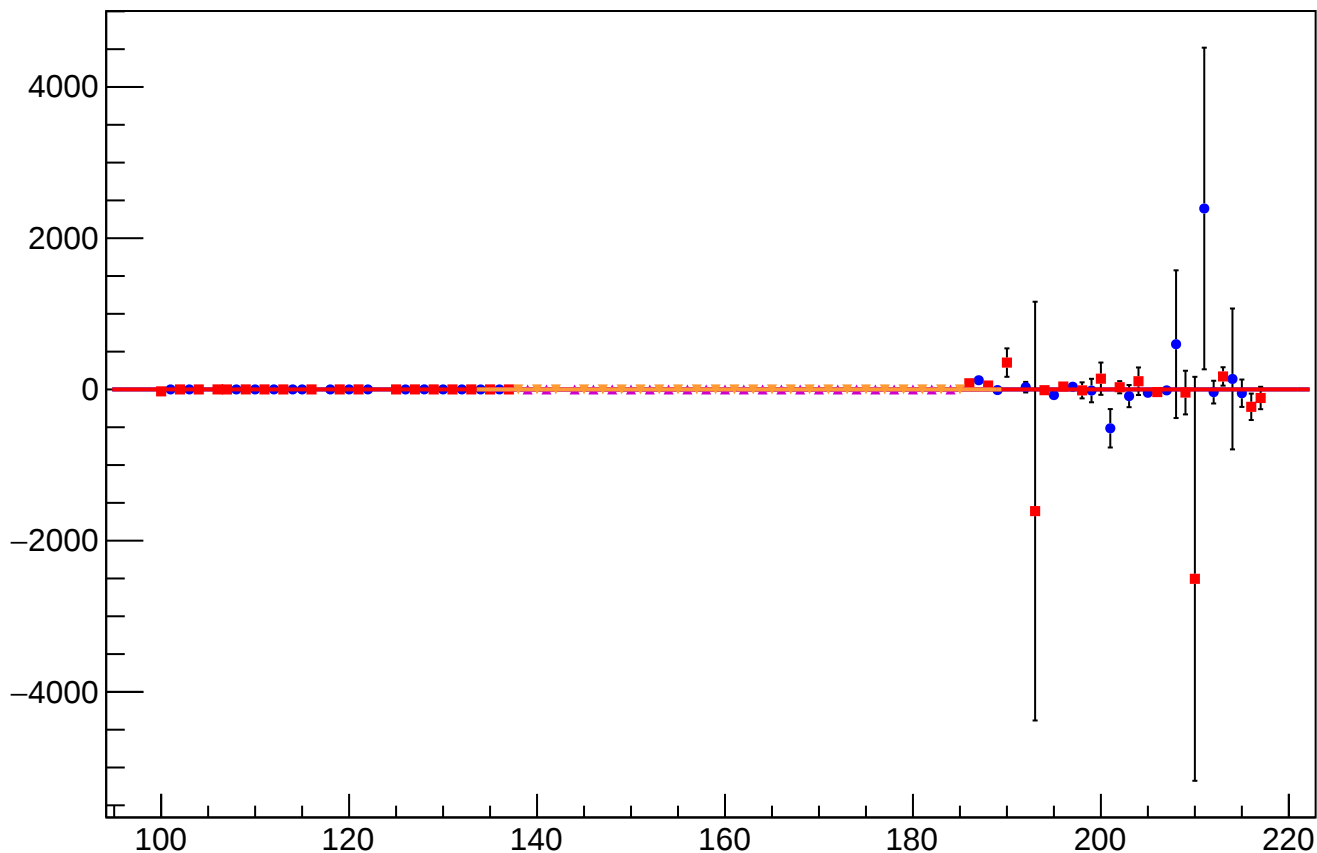
Left In: 0.005 $\pm$ 0.014 χ^2 /NDF: 49.6/22

+ sign -0.006 $\pm$ 0.012 χ^2 /NDF: 73.7/54

All: 0.003 $\pm$ 0.009 χ^2 /NDF: 177.5/111

- sign 0.013 $\pm$ 0.012 χ^2 /NDF: 102.7/56

reg_asym_ds_dd_diff_bpm4eX_slope vs Slug



Right In: 0.157 ± 0.043 $\chi^2/\text{NDF}: 52.0/30$

Left Out: 0.048 ± 0.018 $\chi^2/\text{NDF}: 35.4/23$

Right Out: 0.197 ± 0.045 $\chi^2/\text{NDF}: 113.8/33$

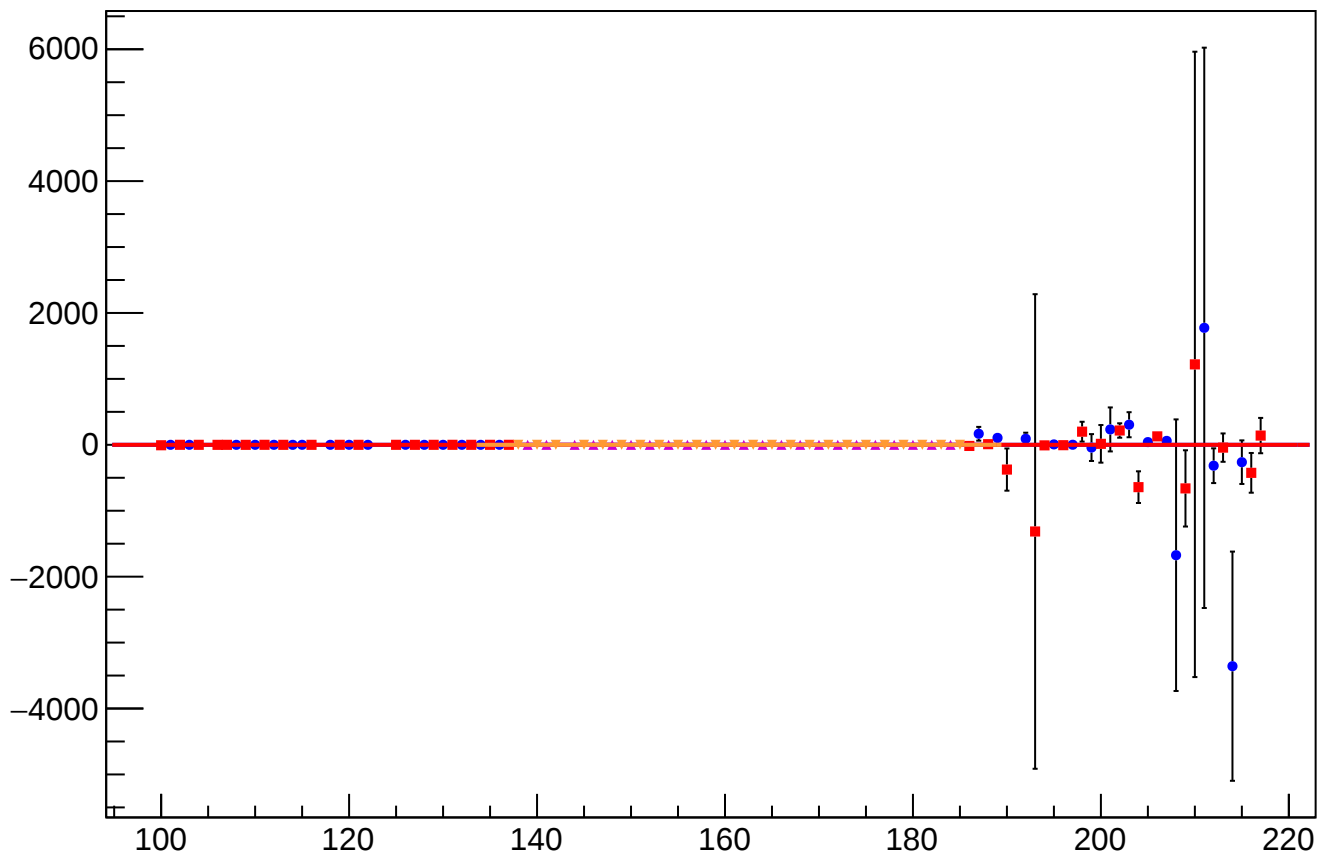
Left In: 0.020 ± 0.018 $\chi^2/\text{NDF}: 35.8/22$

+ sign 0.064 ± 0.017 $\chi^2/\text{NDF}: 92.8/54$

All: 0.054 ± 0.012 $\chi^2/\text{NDF}: 256.5/111$

- sign 0.044 ± 0.017 $\chi^2/\text{NDF}: 163.0/56$

reg_asym_ds_dd_diff_bpm4eY_slope vs Slug



Right In: -0.010 ± 0.027 χ^2/NDF : 43.5/30

Left Out: 0.022 ± 0.016 χ^2/NDF : 33.3/23

Right Out: -0.046 ± 0.029 χ^2/NDF : 48.3/33

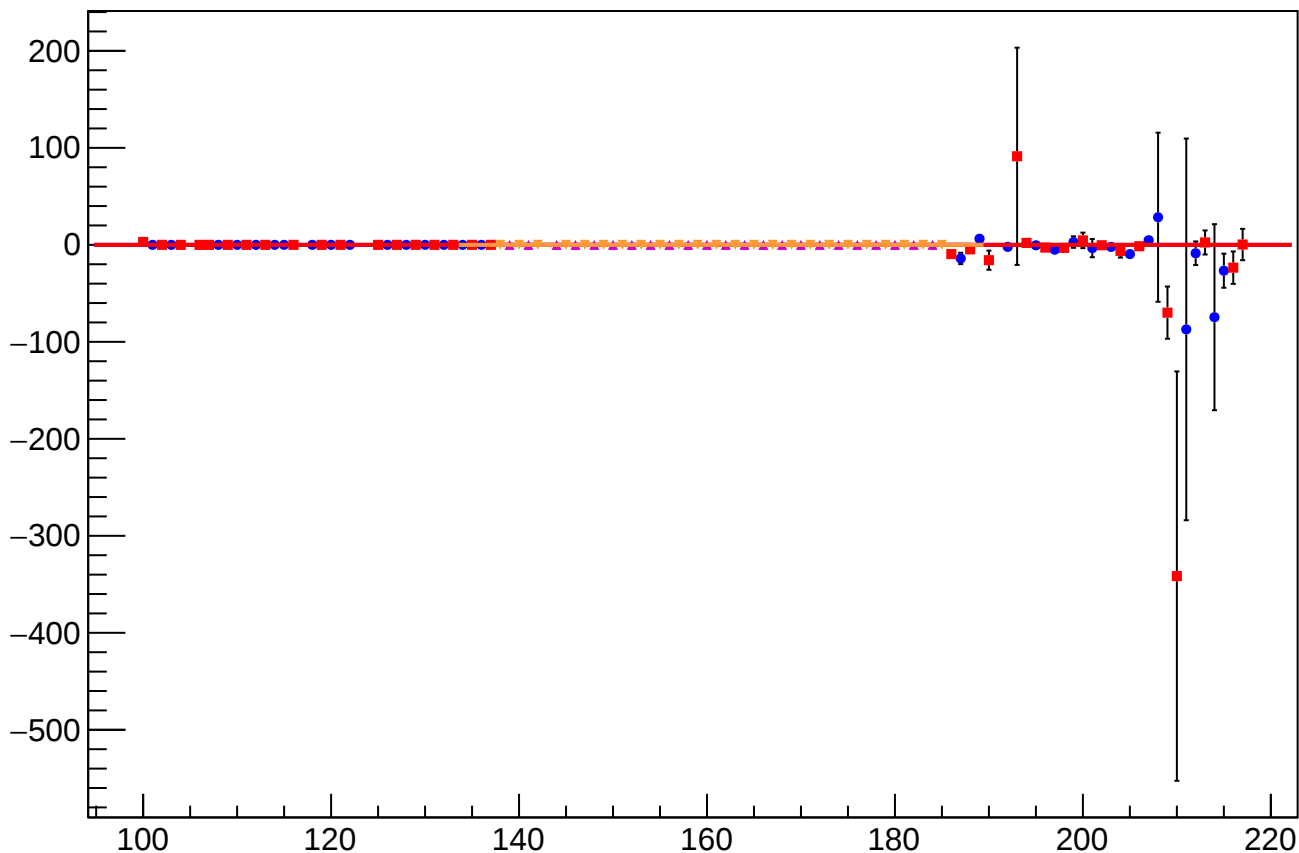
Left In: 0.006 ± 0.016 χ^2/NDF : 50.1/22

+ sign 0.013 ± 0.014 χ^2/NDF : 77.8/54

All: 0.004 ± 0.010 χ^2/NDF : 179.8/111

- sign -0.007 ± 0.014 χ^2/NDF : 101.0/56

reg_asym_ds_dd_diff_bpm12X_slope vs Slug



Right In: -0.006 ± 0.001 χ^2/NDF : 61.3/30

Left Out: -0.008 ± 0.001 χ^2/NDF : 32.0/23

Right Out: -0.006 ± 0.001 χ^2/NDF : 226.2/33

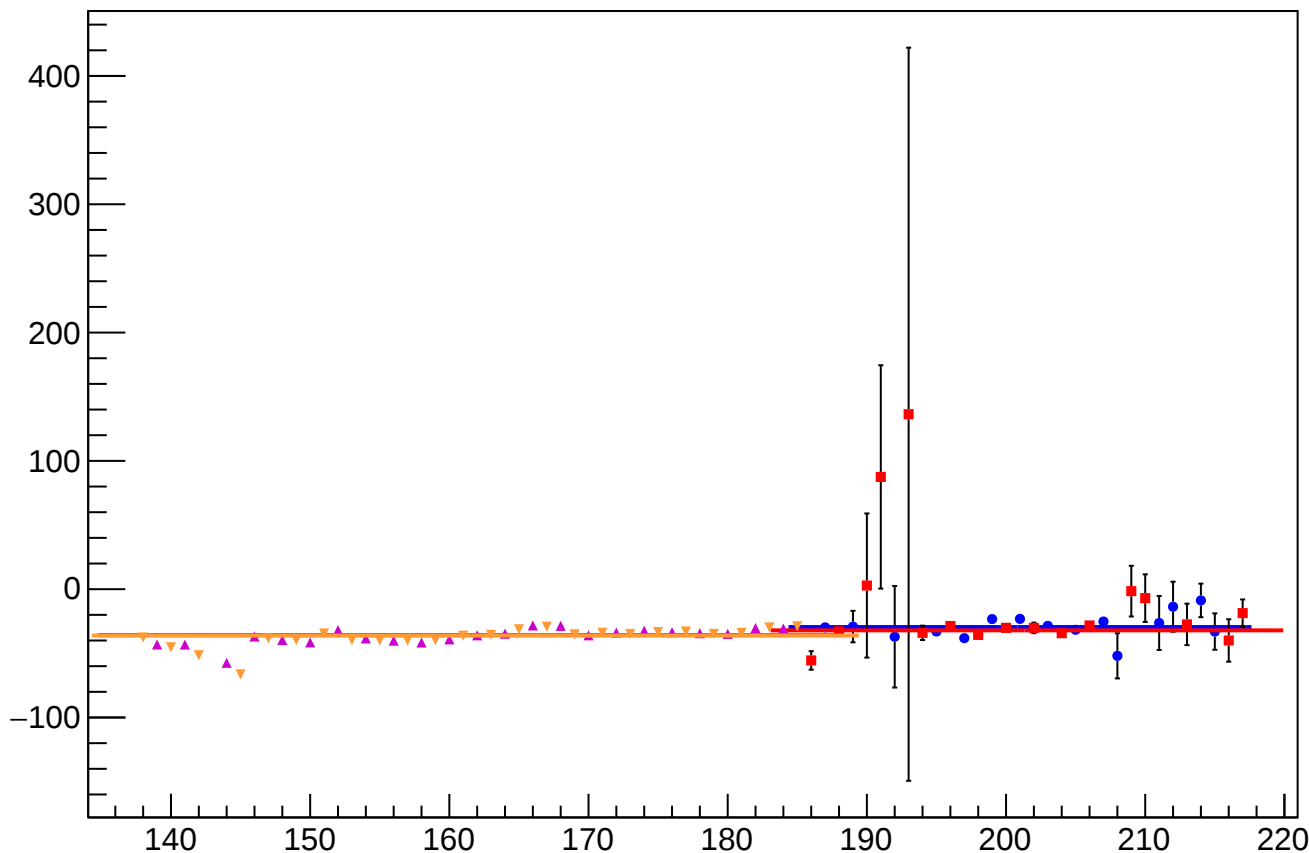
Left In: -0.009 ± 0.001 χ^2/NDF : 37.2/22

+ sign -0.008 ± 0.001 χ^2/NDF : 95.0/54

All: -0.008 ± 0.000 χ^2/NDF : 361.6/111

- sign -0.008 ± 0.001 χ^2/NDF : 266.4/56

reg_asym_left_avg_diff_bpm1X_slope vs Slug



Right In: -29.516 ± 0.853 χ^2/NDF : 29.0/14

Left Out: -36.120 ± 0.192 χ^2/NDF : 1114.9/23

Right Out: -32.085 ± 0.803 χ^2/NDF : 26.9/16

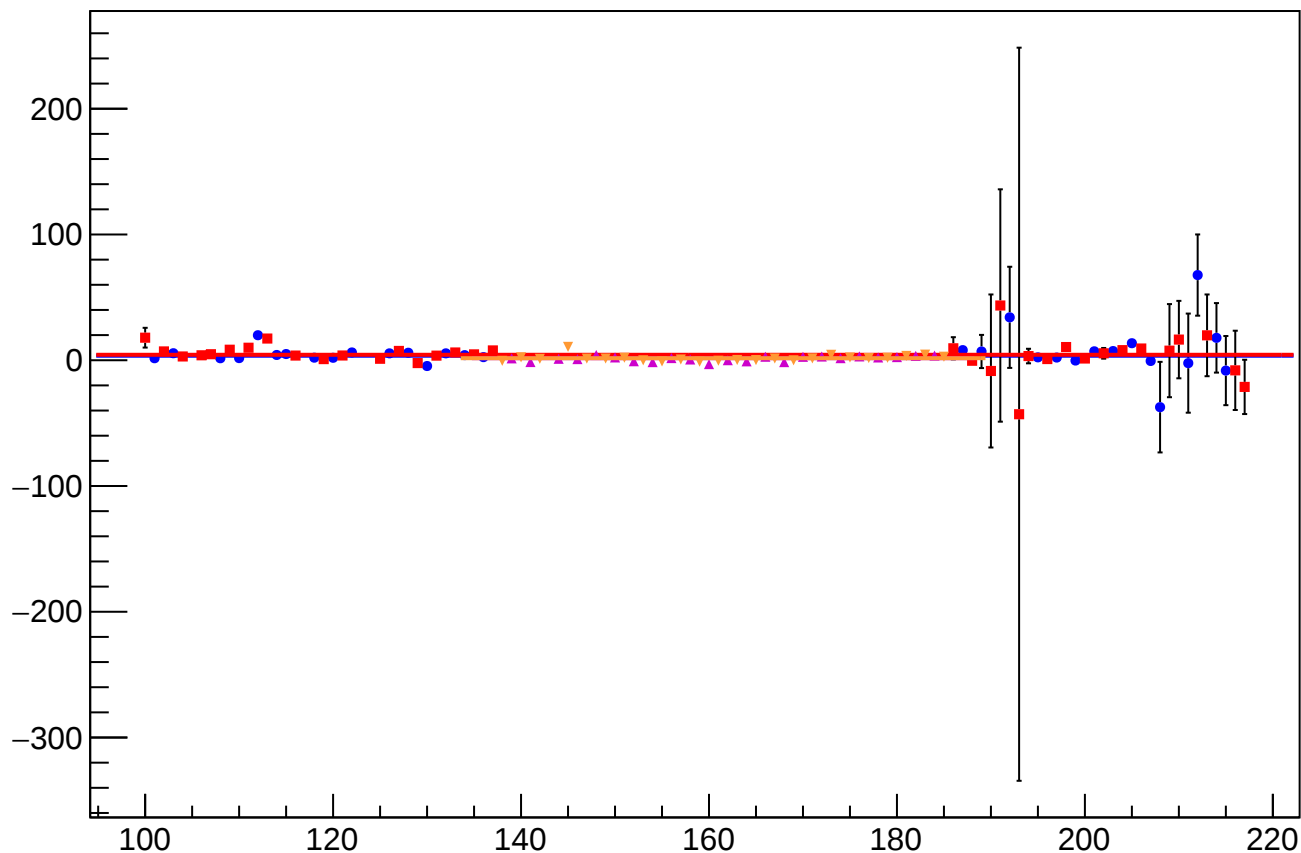
Left In: -35.779 ± 0.191 χ^2/NDF : 854.1/22

+ sign -35.802 ± 0.187 χ^2/NDF : 1200.9/38

All: -35.691 ± 0.132 χ^2/NDF : 2102.7/78

- sign -35.581 ± 0.186 χ^2/NDF : 901.1/39

reg_asym_left_avg_diff_bpm4aY_slope vs Slug



Right In: 3.602 ± 0.217 χ^2/NDF : 462.6/30

Left Out: 1.634 ± 0.148 χ^2/NDF : 166.5/23

Right Out: 4.347 ± 0.221 χ^2/NDF : 370.9/34

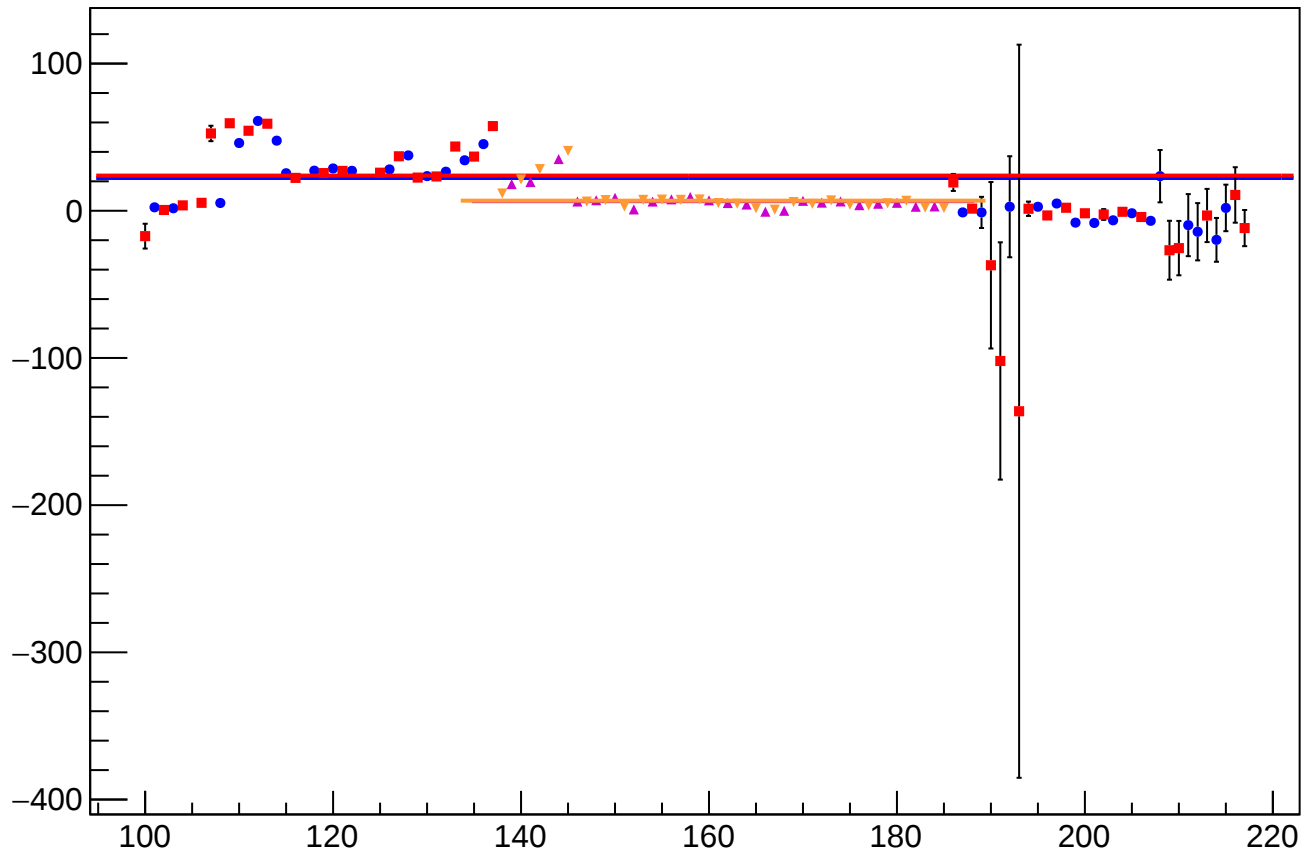
Left In: 1.641 ± 0.150 χ^2/NDF : 163.2/22

+ sign 2.259 ± 0.122 χ^2/NDF : 685.4/54

All: 2.374 ± 0.087 χ^2/NDF : 1324.5/112

- sign 2.493 ± 0.124 χ^2/NDF : 637.2/57

reg_asym_left_avg_diff_bpm4eX_slope vs Slug



Right In: 22.288 $\pm$ 0.370 χ^2 /NDF: 2821.6/30

Left Out: 6.866 $\pm$ 0.191 χ^2 /NDF: 1295.7/23

Right Out: 23.899 $\pm$ 0.361 χ^2 /NDF: 3308.4/34

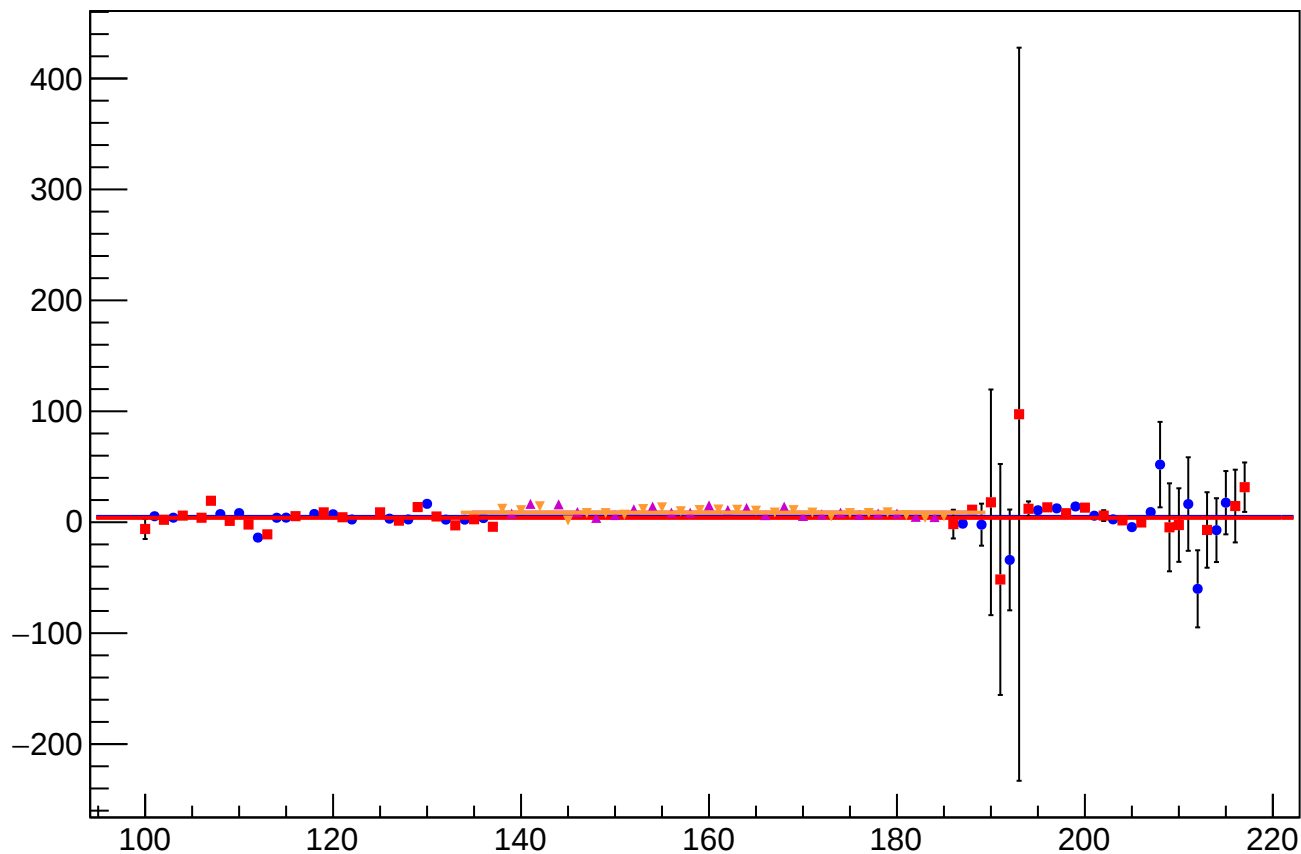
Left In: 6.537 $\pm$ 0.190 χ^2 /NDF: 1025.1/22

+ sign 10.126 $\pm$ 0.170 χ^2 /NDF: 5490.0/54

All: 10.218 $\pm$ 0.120 χ^2 /NDF: 11630.6/112

- sign 10.308 $\pm$ 0.168 χ^2 /NDF: 6140.0/57

reg_asym_left_avg_diff_bpm4eY_slope vs Slug



Right In: 4.804 ± 0.250 χ^2/NDF : 576.6/30

Left Out: 8.695 ± 0.169 χ^2/NDF : 241.0/23

Right Out: 3.940 ± 0.254 χ^2/NDF : 590.9/34

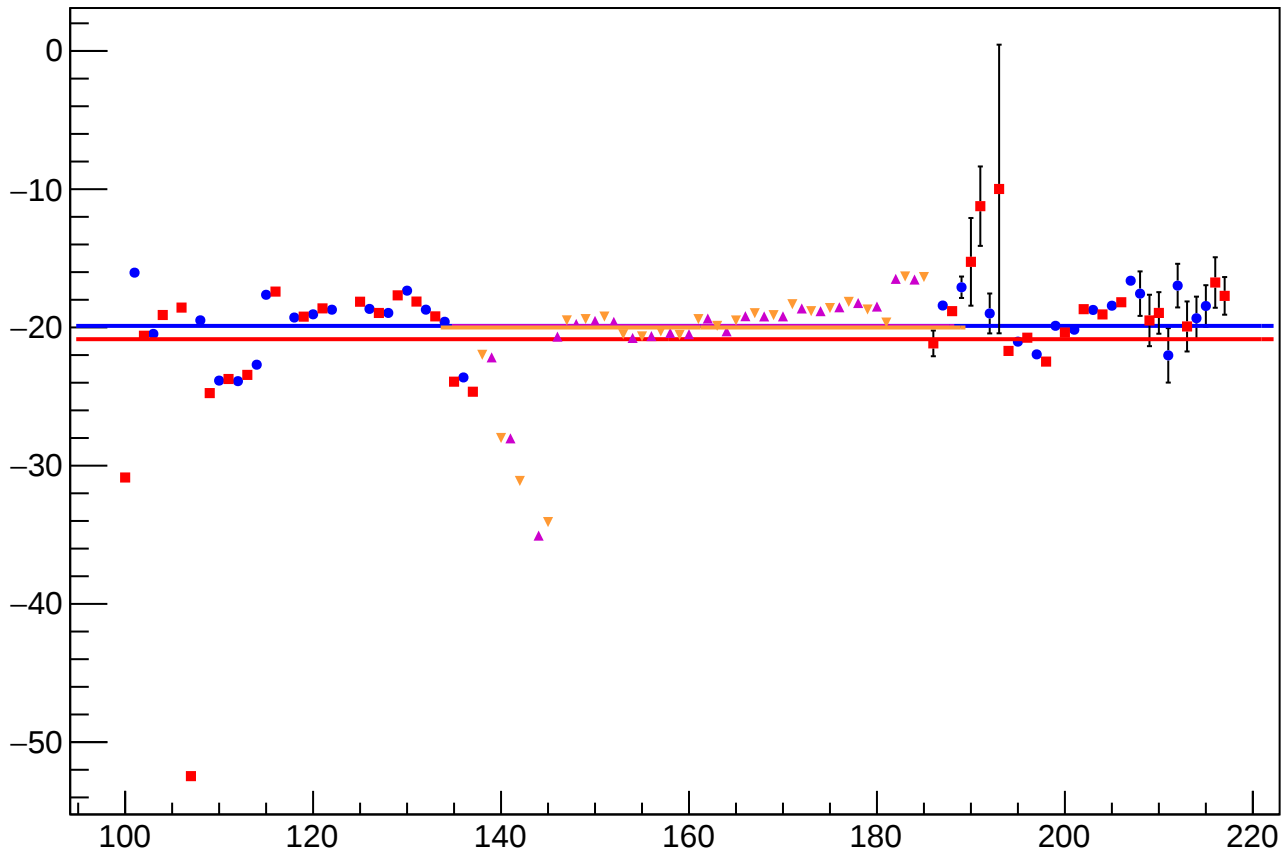
Left In: 8.668 ± 0.170 χ^2/NDF : 436.7/22

+ sign 7.475 ± 0.140 χ^2/NDF : 983.8/54

All: 7.341 ± 0.099 χ^2/NDF : 2252.1/112

- sign 7.206 ± 0.141 χ^2/NDF : 1266.4/57

reg_asym_left_avg_diff_bpm12X_slope vs Slug



Right In: -19.889 ± 0.015 $\chi^2/\text{NDF}: 27148.7/30$

Left Out: -20.006 ± 0.008 $\chi^2/\text{NDF}: 171763.9/23$

Right Out: -20.851 ± 0.015 $\chi^2/\text{NDF}: 95250.9/34$

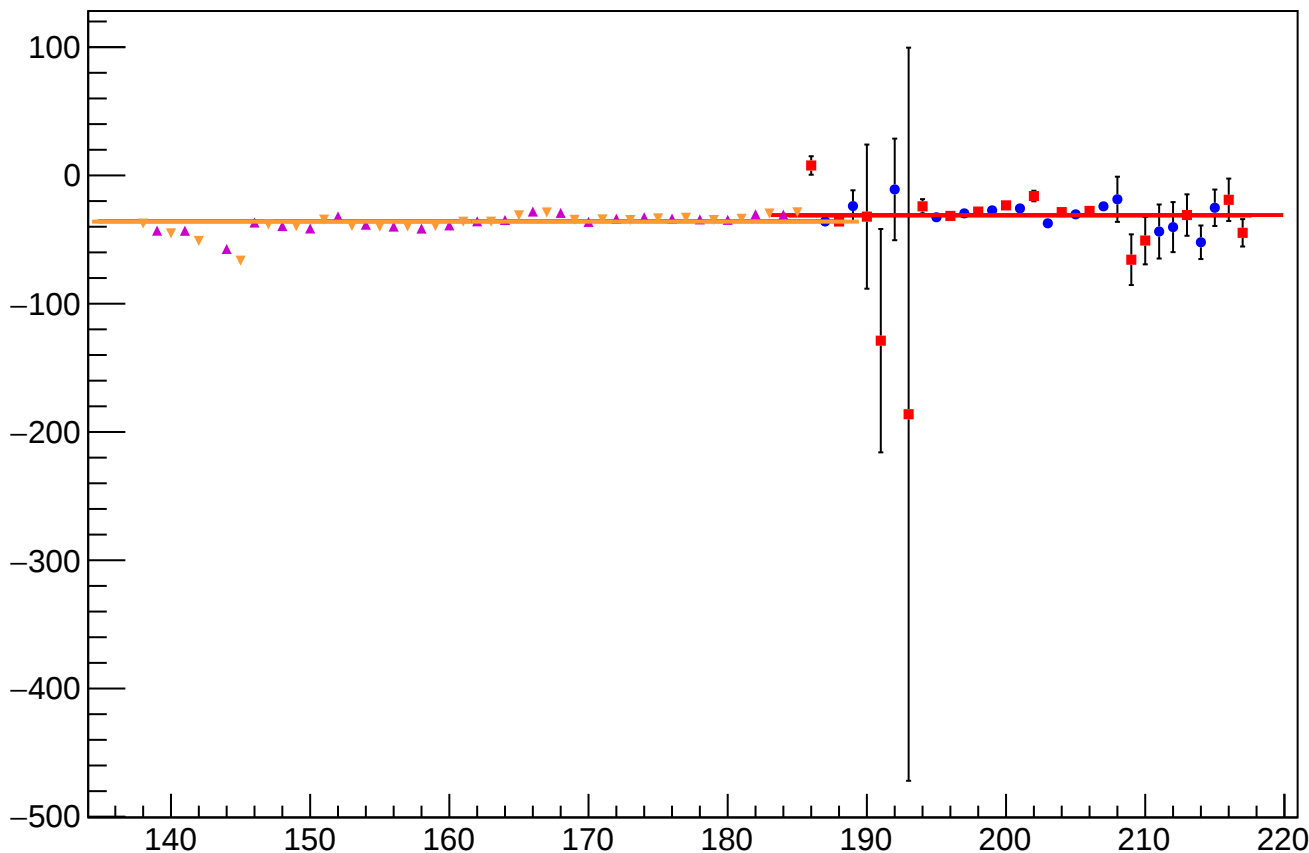
Left In: -19.898 ± 0.008 $\chi^2/\text{NDF}: 144191.9/22$

+ sign -19.980 ± 0.007 $\chi^2/\text{NDF}: 198960.7/54$

All: -20.042 ± 0.005 $\chi^2/\text{NDF}: 441754.4/112$

- sign -20.104 ± 0.007 $\chi^2/\text{NDF}: 242634.7/57$

reg_asym_left_dd_diff_bpm1X_slope vs Slug



Right In: -31.198 $\pm$ 0.856 χ^2/NDF : 31.3/14

Left Out: -36.031 $\pm$ 0.192 χ^2/NDF : 1121.3/23

Right Out: -30.903 $\pm$ 0.805 χ^2/NDF : 78.4/16

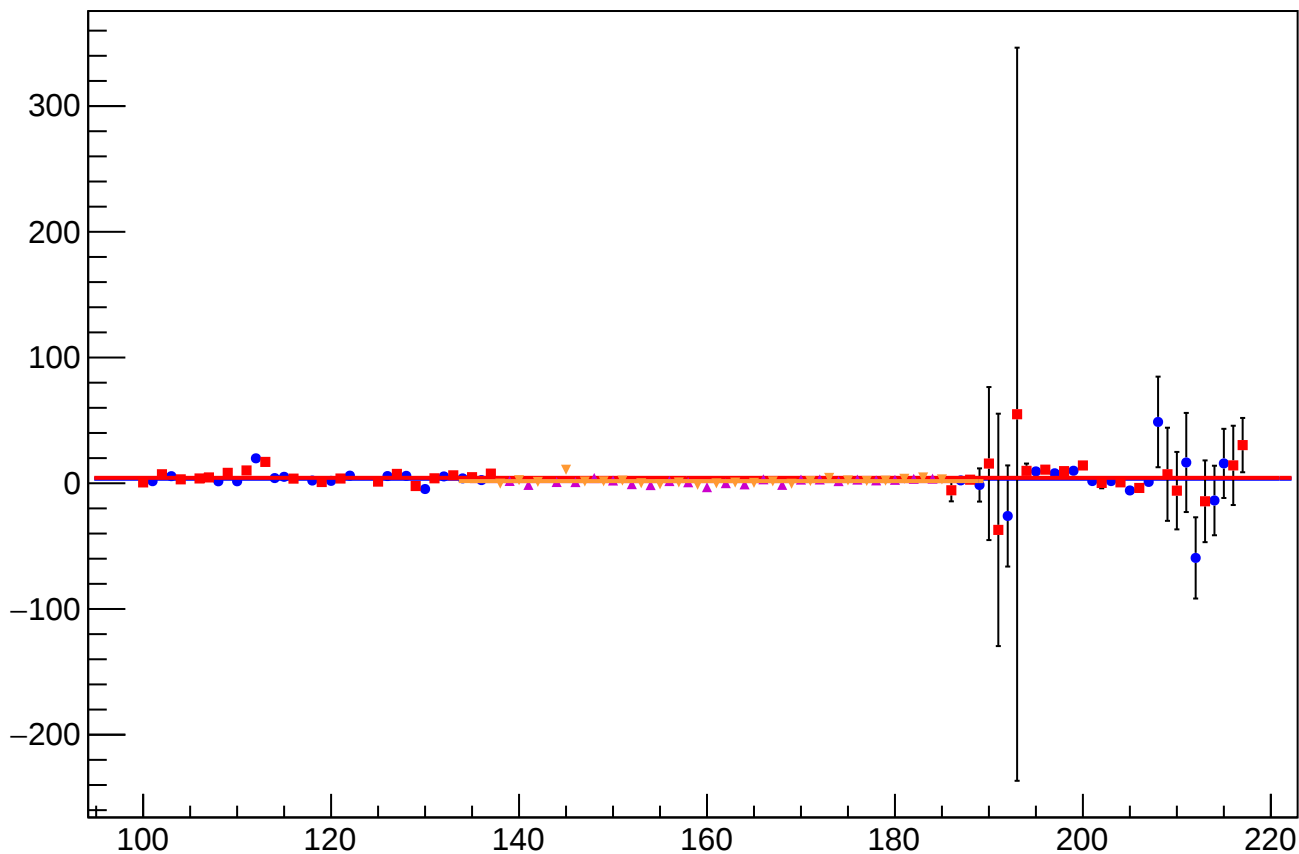
Left In: -35.766 $\pm$ 0.191 χ^2/NDF : 842.6/22

+ sign -35.799 $\pm$ 0.187 χ^2/NDF : 1183.0/38

All: -35.652 $\pm$ 0.132 χ^2/NDF : 2139.8/78

- sign -35.507 $\pm$ 0.186 χ^2/NDF : 955.6/39

reg_asym_left_dd_diff_bpm4aY_slope vs Slug



Right In: 3.567 ± 0.217 χ^2/NDF : 462.1/30

Left Out: 1.724 ± 0.148 χ^2/NDF : 168.2/23

Right Out: 4.323 ± 0.217 χ^2/NDF : 380.2/34

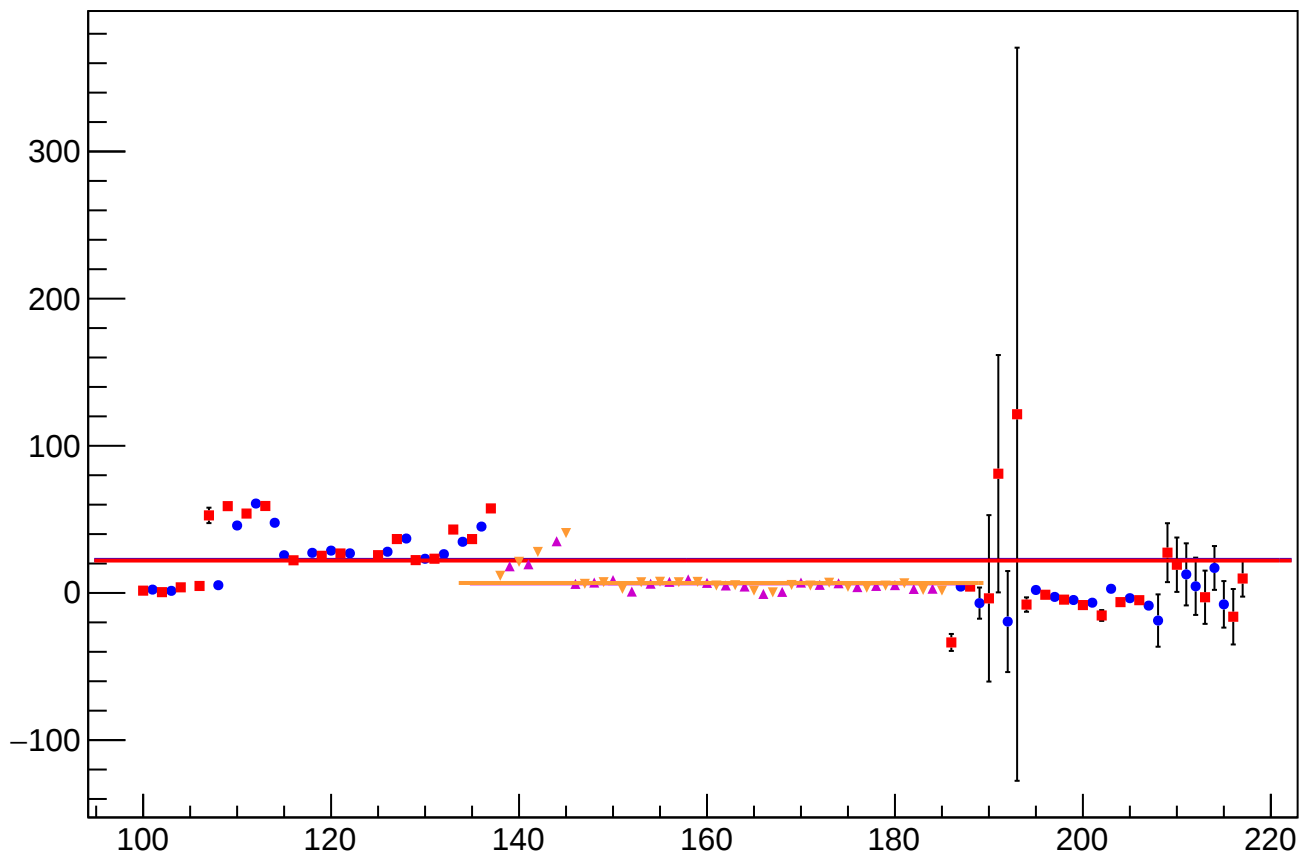
Left In: 1.705 ± 0.149 χ^2/NDF : 163.0/22

+ sign 2.309 ± 0.122 χ^2/NDF : 679.7/54

All: 2.427 ± 0.087 χ^2/NDF : 1323.5/112

- sign 2.547 ± 0.123 χ^2/NDF : 642.0/57

reg_asym_left_dd_diff_bpm4eX_slope vs Slug



Right In: 22.464 $\pm$ 0.370 χ^2 /NDF: 2704.5/30

Left Out: 6.779 $\pm$ 0.191 χ^2 /NDF: 1297.7/23

Right Out: 22.031 $\pm$ 0.349 χ^2 /NDF: 3666.3/34

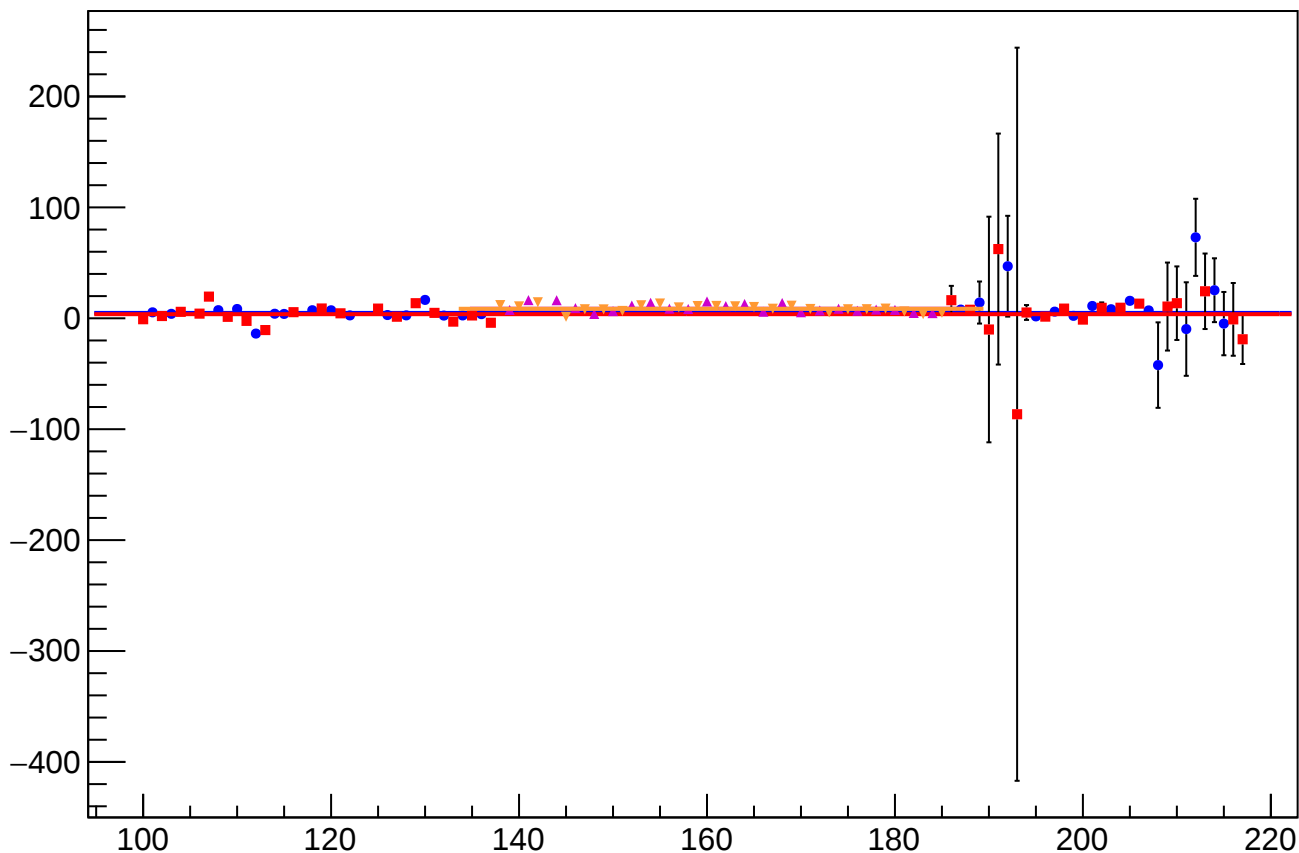
Left In: 6.532 $\pm$ 0.190 χ^2 /NDF: 1018.2/22

+ sign 10.091 $\pm$ 0.170 χ^2 /NDF: 5422.0/54

All: 10.090 $\pm$ 0.119 χ^2 /NDF: 11628.8/112

- sign 10.088 $\pm$ 0.167 χ^2 /NDF: 6206.9/57

reg_asym_left_dd_diff_bpm4eY_slope vs Slug



Right In: 4.849 ± 0.250 χ^2/NDF : 565.0/30

Left Out: 8.585 ± 0.169 χ^2/NDF : 245.5/23

Right Out: 3.696 ± 0.250 χ^2/NDF : 590.5/34

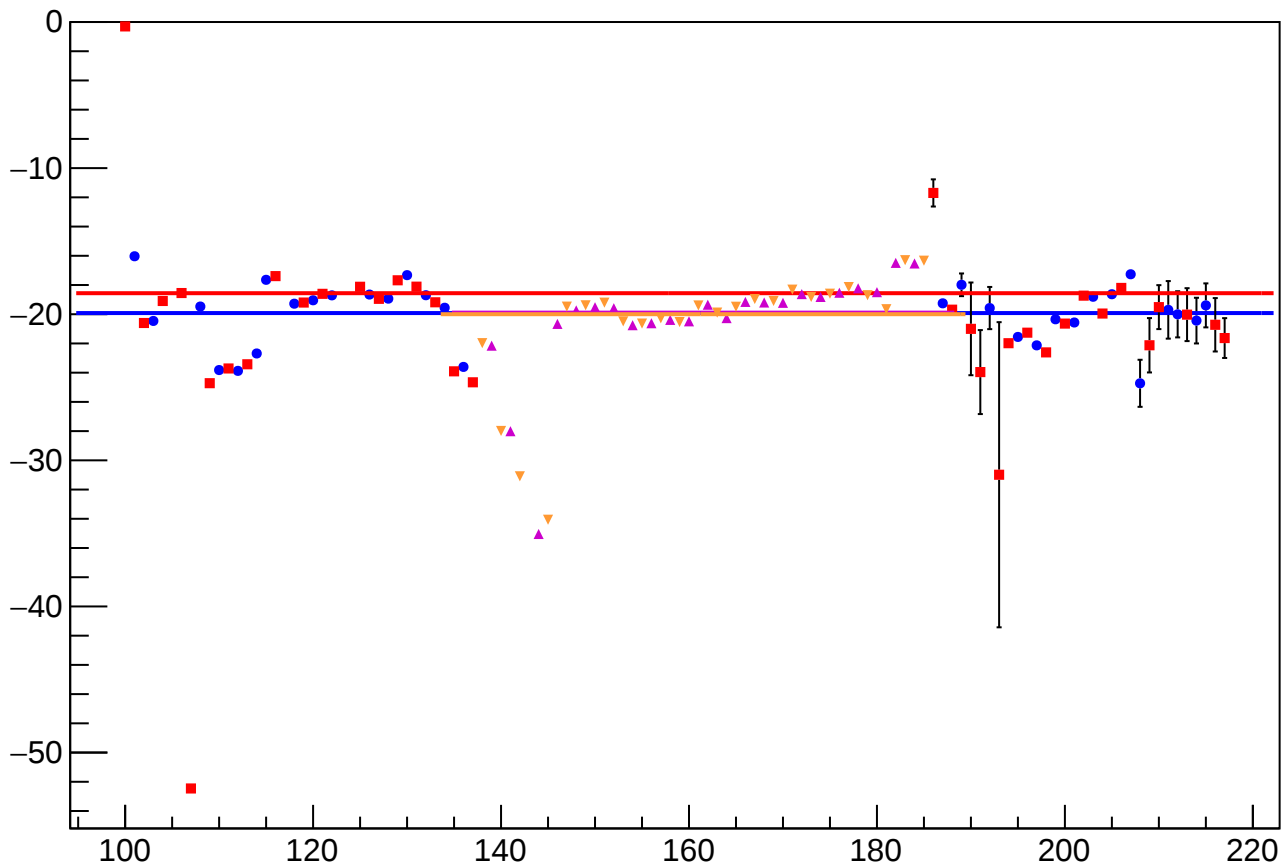
Left In: 8.585 ± 0.170 χ^2/NDF : 441.8/22

+ sign 7.414 ± 0.140 χ^2/NDF : 964.0/54

All: 7.227 ± 0.099 χ^2/NDF : 2261.1/112

- sign 7.039 ± 0.141 χ^2/NDF : 1293.5/57

reg_asym_left_dd_diff_bpm12X_slope vs Slug



Right In: -19.920 ± 0.015 $\chi^2/\text{NDF}: 27097.4/30$

Left Out: -19.998 ± 0.008 $\chi^2/\text{NDF}: 171944.6/23$

Right Out: -18.560 ± 0.014 $\chi^2/\text{NDF}: 303735.3/34$

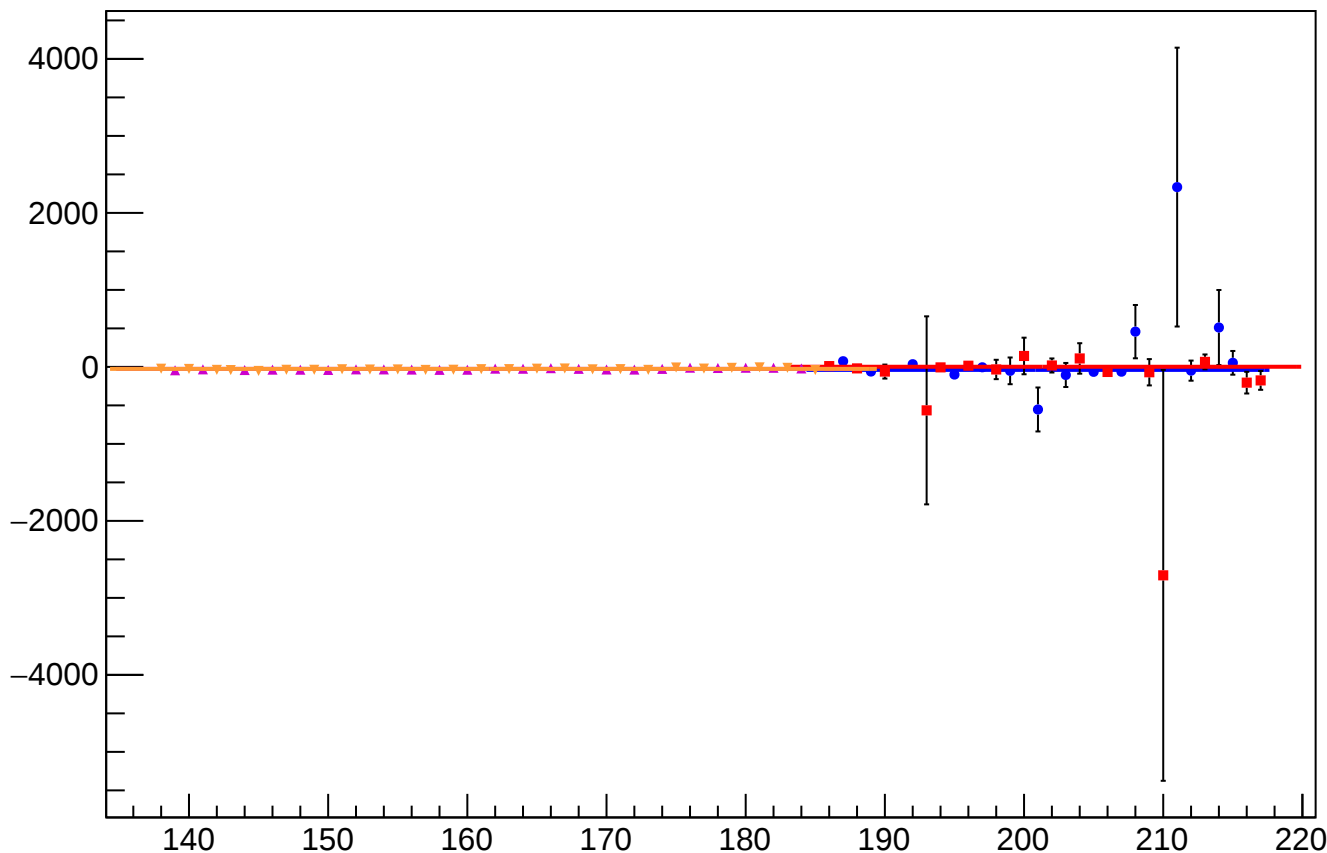
Left In: -19.890 ± 0.008 $\chi^2/\text{NDF}: 144055.2/22$

+ sign -19.981 ± 0.007 $\chi^2/\text{NDF}: 199063.7/54$

All: -19.775 ± 0.005 $\chi^2/\text{NDF}: 655375.6/112$

- sign -19.576 ± 0.007 $\chi^2/\text{NDF}: 454596.2/57$

reg_asym_right_avg_diff_bpm1X_slope vs Slug



Right In: -38.919 ± 12.934 χ^2/NDF : 21.4/14

Left Out: -25.884 ± 0.192 χ^2/NDF : 4158.0/24

Right Out: 1.752 ± 8.052 χ^2/NDF : 11.5/15

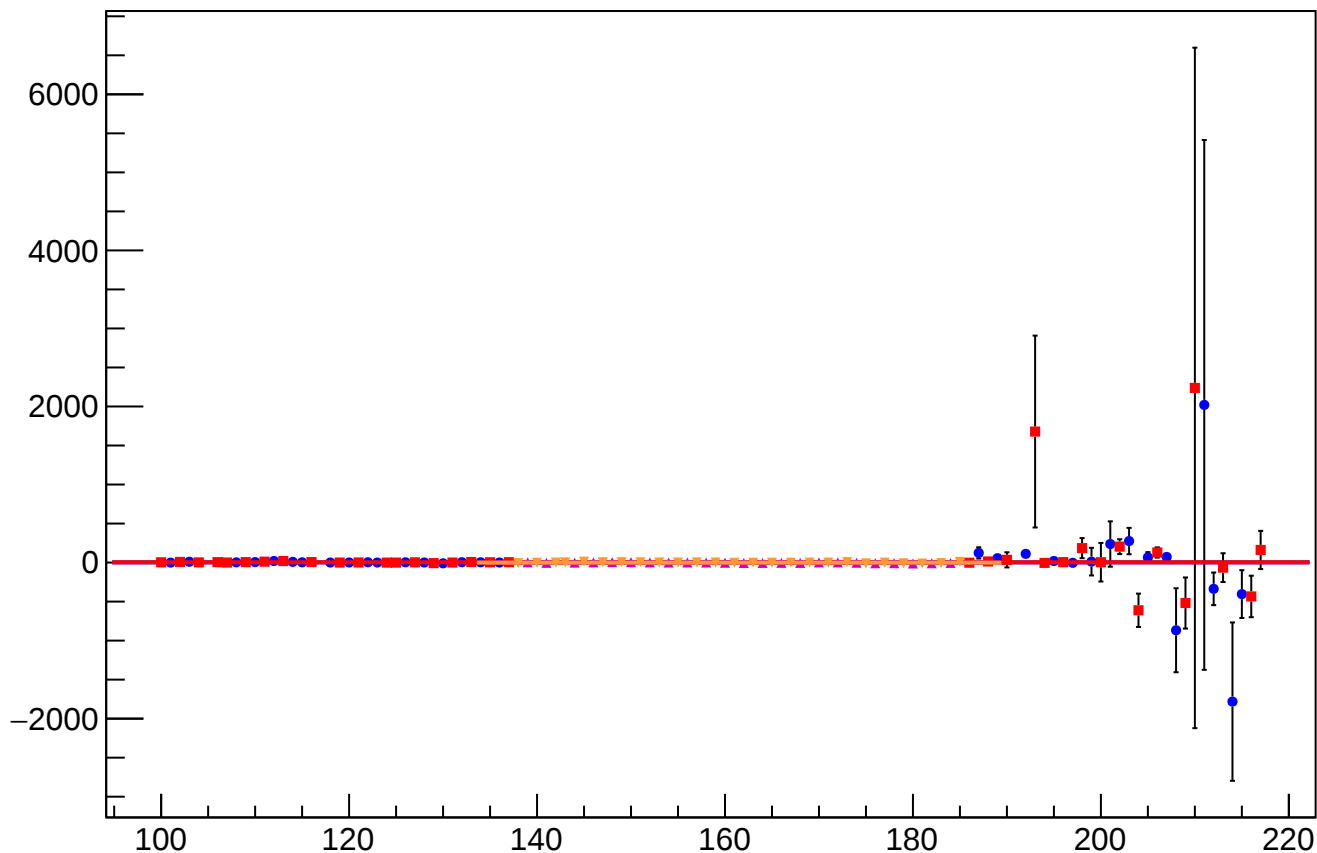
Left In: -26.052 ± 0.195 χ^2/NDF : 3279.5/22

+ sign -25.887 ± 0.192 χ^2/NDF : 4180.4/39

All: -25.960 ± 0.137 χ^2/NDF : 7483.6/78

- sign -26.036 ± 0.195 χ^2/NDF : 3302.9/38

reg_asym_right_avg_diff_bpm4aY_slope vs Slug



Right In: 2.475+/-0.315 χ^2/NDF : 324.1/31

Left Out: -0.654+/-0.146 χ^2/NDF : 1320.8/24

Right Out: 3.715+/-0.327 χ^2/NDF : 295.8/34

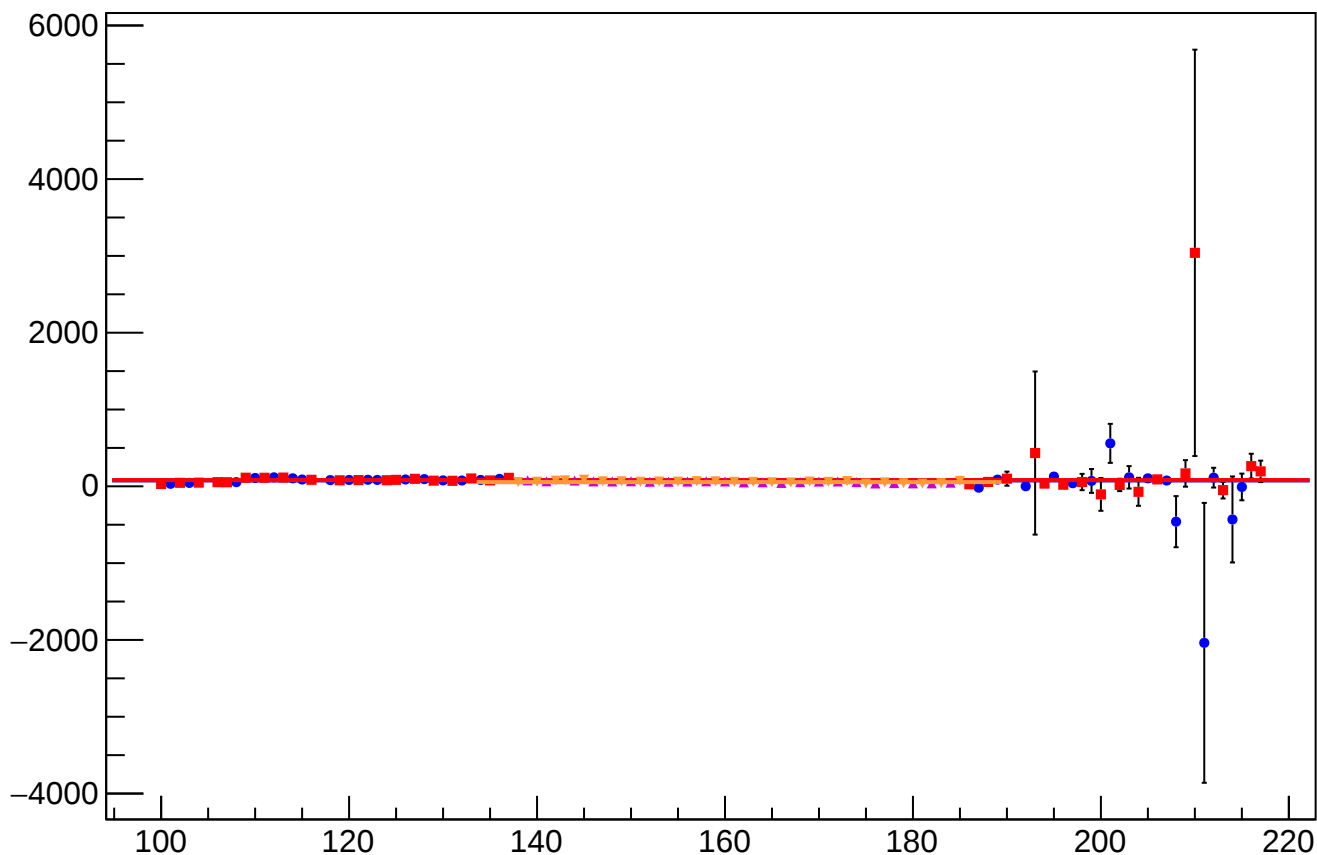
Left In: -0.863+/-0.150 χ^2/NDF : 1066.5/22

+ sign -0.099+/-0.133 χ^2/NDF : 1726.2/56

All: -0.081+/-0.095 χ^2/NDF : 3250.7/114

- sign -0.062+/-0.137 χ^2/NDF : 1524.4/57

reg_asym_right_avg_diff_bpm4eX_slope vs Slug



Right In: 76.531 $\pm$ 0.576 χ^2 /NDF: 2274.4/31

Left Out: 55.098 $\pm$ 0.191 χ^2 /NDF: 4579.3/24

Right Out: 81.492 $\pm$ 0.590 χ^2 /NDF: 1637.5/34

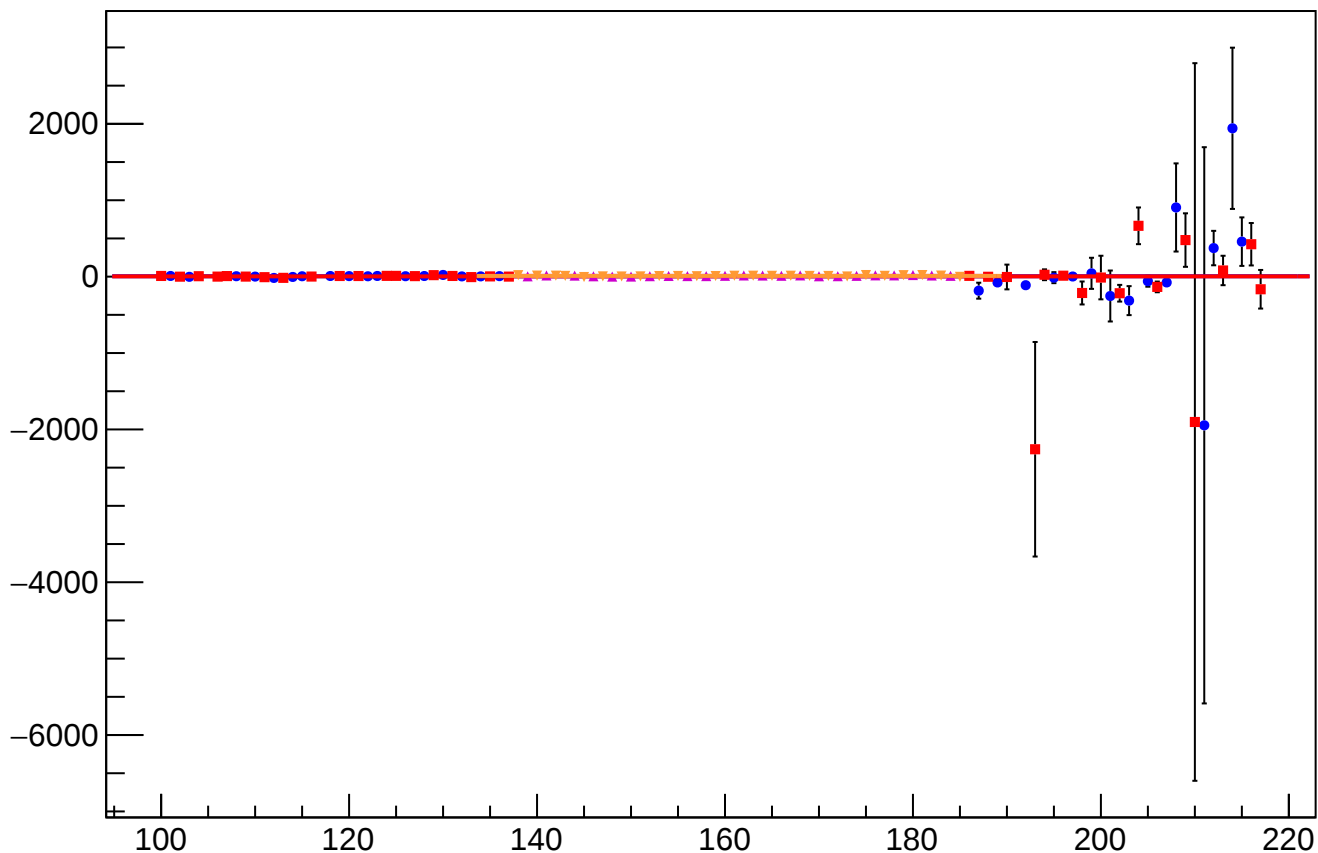
Left In: 55.070 $\pm$ 0.193 χ^2 /NDF: 3702.8/22

+ sign 57.230 $\pm$ 0.182 χ^2 /NDF: 8099.9/56

All: 57.428 $\pm$ 0.129 χ^2 /NDF: 15250.8/114

- sign 57.631 $\pm$ 0.184 χ^2 /NDF: 7148.4/57

reg_asym_right_avg_diff_bpm4eY_slope vs Slug



Right In: 5.408 ± 0.361 χ^2/NDF : 415.5/31

Left Out: 9.737 ± 0.168 χ^2/NDF : 1450.2/24

Right Out: 3.581 ± 0.375 χ^2/NDF : 447.0/34

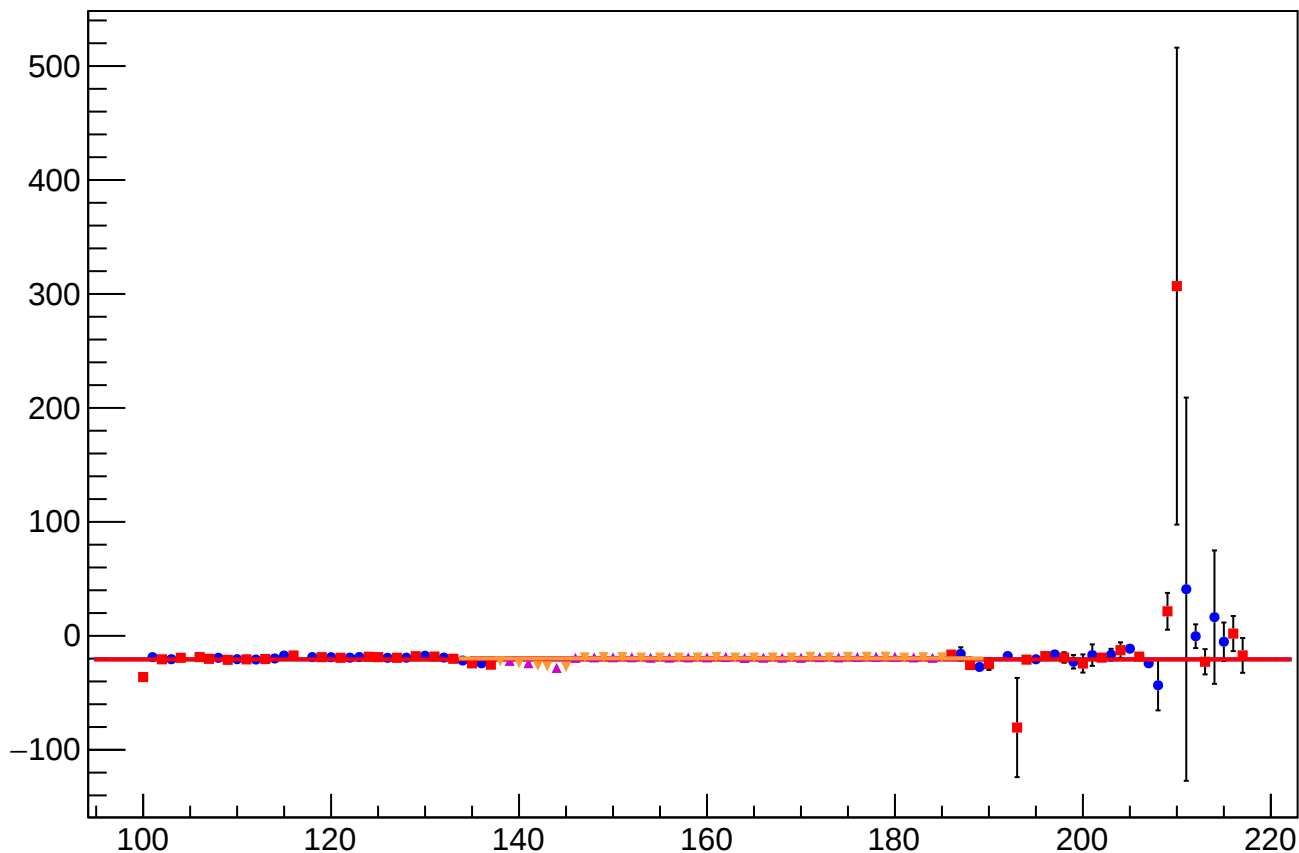
Left In: 9.803 ± 0.172 χ^2/NDF : 1158.7/22

+ sign 8.968 ± 0.152 χ^2/NDF : 1984.0/56

All: 8.851 ± 0.109 χ^2/NDF : 3818.2/114

- sign 8.727 ± 0.156 χ^2/NDF : 1833.0/57

reg_asym_right_avg_diff_bpm12X_slope vs Slug



Right In: -20.644 ± 0.019 $\chi^2/\text{NDF}: 12460.3/31$

Left Out: -19.767 ± 0.008 $\chi^2/\text{NDF}: 91617.3/24$

Right Out: -20.638 ± 0.019 $\chi^2/\text{NDF}: 13821.4/34$

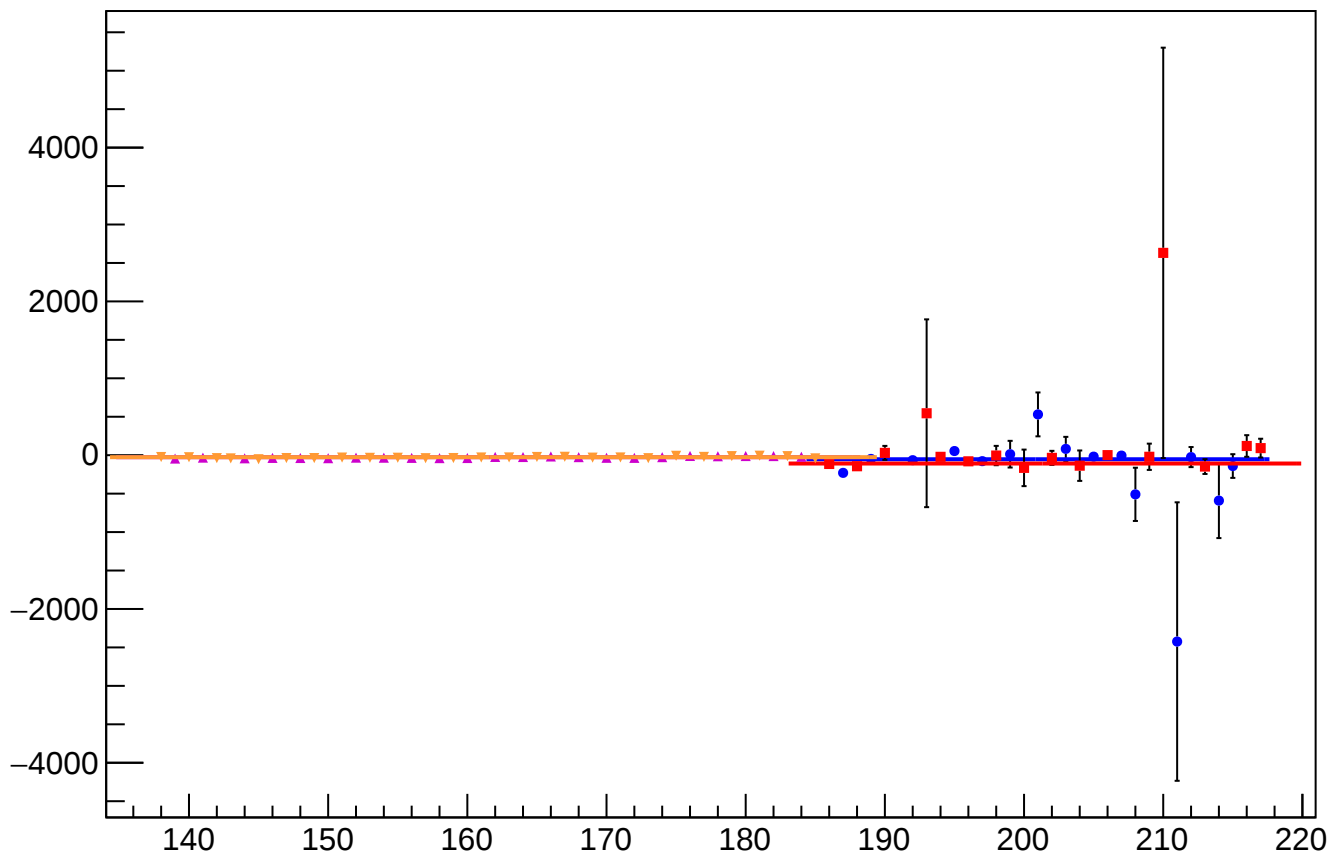
Left In: -19.435 ± 0.008 $\chi^2/\text{NDF}: 53170.9/22$

+ sign -19.892 ± 0.007 $\chi^2/\text{NDF}: 105838.9/56$

All: -19.751 ± 0.005 $\chi^2/\text{NDF}: 176857.7/114$

- sign -19.607 ± 0.007 $\chi^2/\text{NDF}: 70266.3/57$

reg_asym_right_dd_diff_bpm1X_slope vs Slug



Right In: -52.850 ± 12.944 χ^2/NDF : 32.6/14

Left Out: -25.899 ± 0.192 χ^2/NDF : 4127.5/24

Right Out: -108.434 ± 8.057 χ^2/NDF : 22.4/15

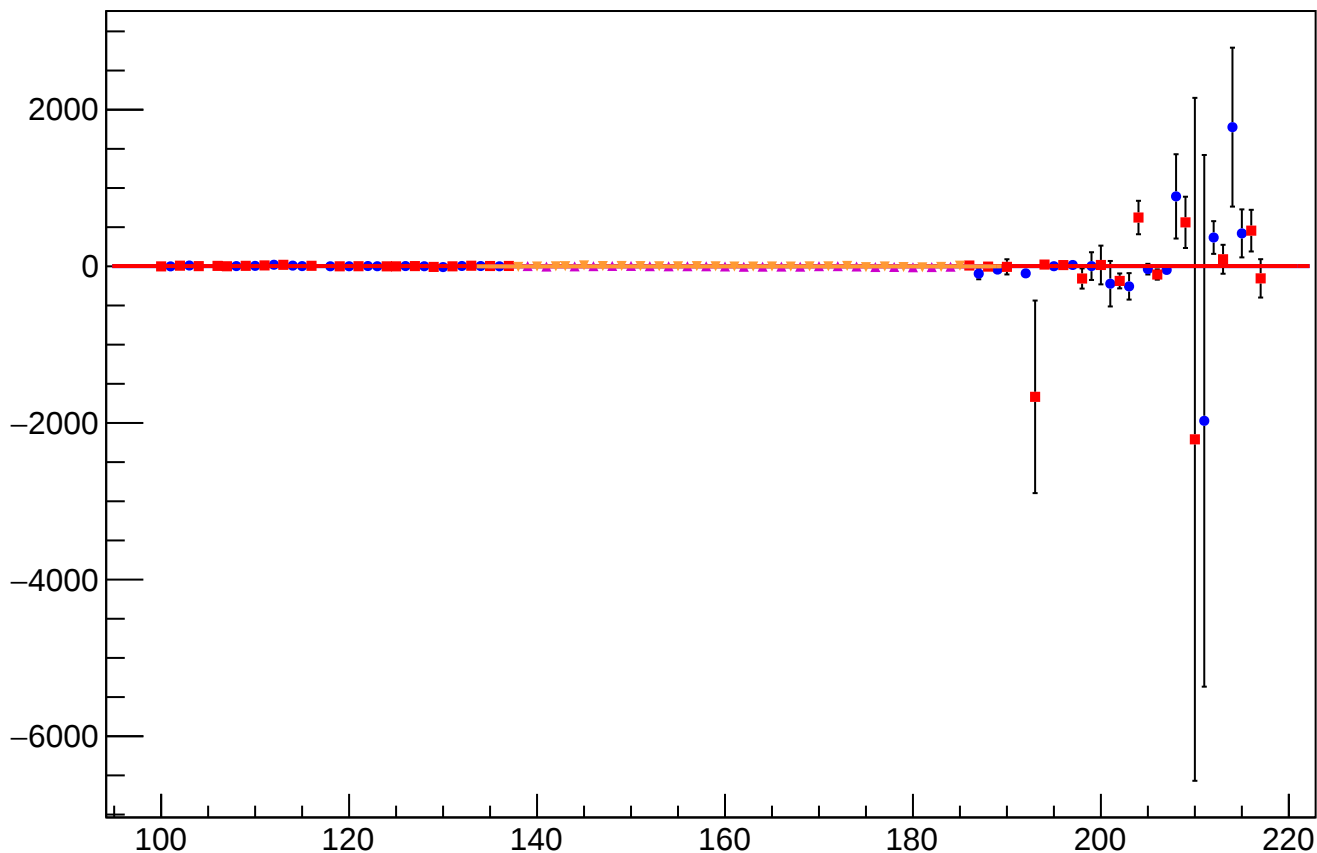
Left In: -26.046 ± 0.195 χ^2/NDF : 3246.7/22

+ sign -25.905 ± 0.192 χ^2/NDF : 4164.5/39

All: -25.998 ± 0.137 χ^2/NDF : 7538.6/78

- sign -26.094 ± 0.195 χ^2/NDF : 3373.6/38

reg_asym_right_dd_diff_bpm4aY_slope vs Slug



Right In: 2.440+/-0.315 χ^2/NDF : 316.5/31

Left Out: -0.596 $\pm$ 0.146 χ^2 /NDF:1310.7/24

Right Out: 3.594+/-0.318 χ^2/NDF : 305.7/34

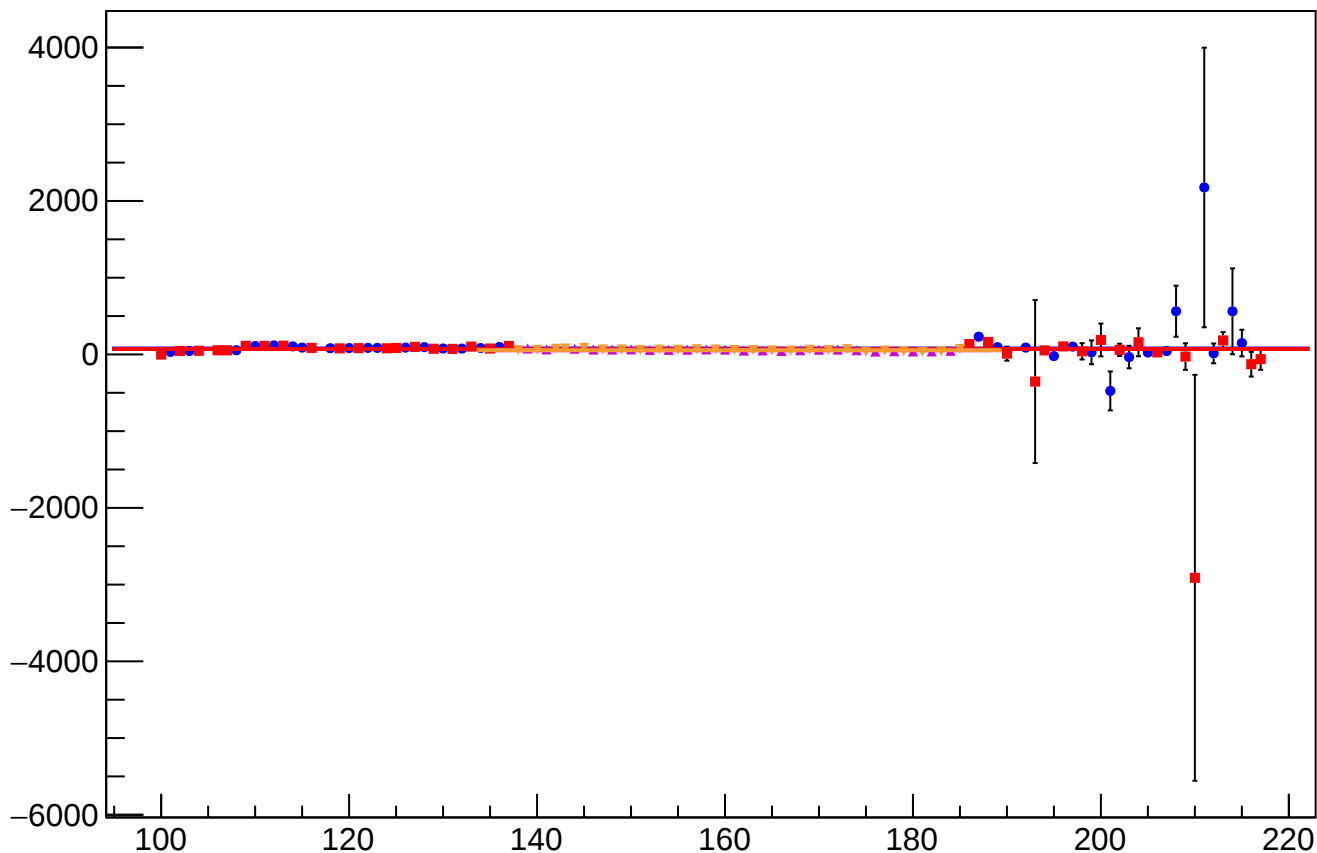
Left In: -0.795+/-0.151 χ^2/NDF :1106.3/22

+ sign -0.057+/-0.133 χ^2/NDF : 1703.7/56

All: -0.025 ± 0.095 χ^2/NDF : 3271.4/114

- sign 0.009+/-0.136 χ^2/NDF : 1567.6/57

reg_asym_right_dd_diff_bpm4eX_slope vs Slug



Right In: 76.710 $\pm$ 0.576 χ^2 /NDF: 2300.9/31

Left Out: 55.111 $\pm$ 0.192 χ^2 /NDF: 4560.2/24

Right Out: 70.746 $\pm$ 0.549 χ^2 /NDF: 4497.5/34

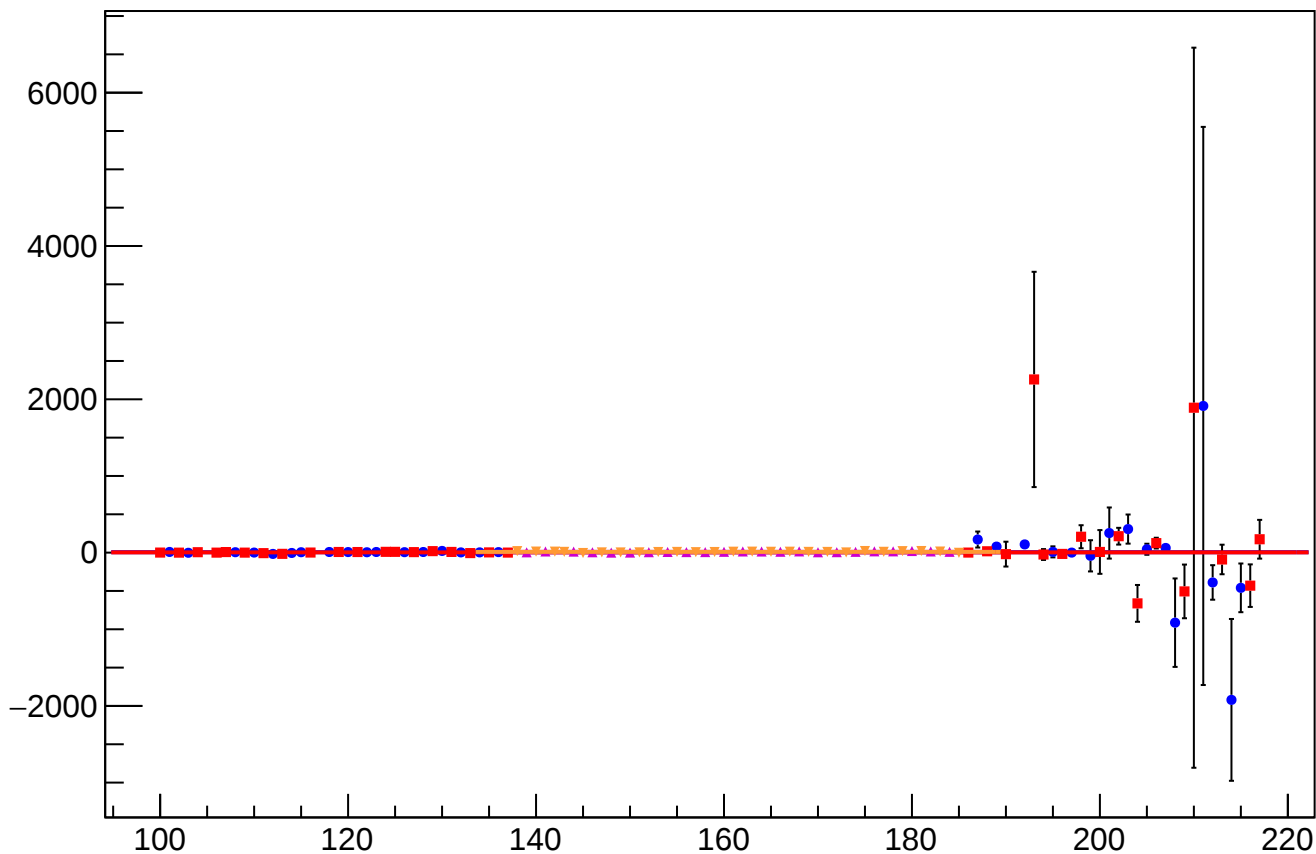
Left In: 55.094 $\pm$ 0.194 χ^2 /NDF: 3664.6/22

+ sign 57.259 $\pm$ 0.182 χ^2 /NDF: 8125.3/56

All: 57.044 $\pm$ 0.129 χ^2 /NDF: 17014.0/114

- sign 56.827 $\pm$ 0.183 χ^2 /NDF: 8885.9/57

reg_asym_right_dd_diff_bpm4eY_slope vs Slug



Right In: 5.444 ± 0.361 χ^2/NDF : 409.6/31

Left Out: 9.675 ± 0.168 χ^2/NDF : 1441.3/24

Right Out: 3.282 ± 0.365 χ^2/NDF : 449.6/34

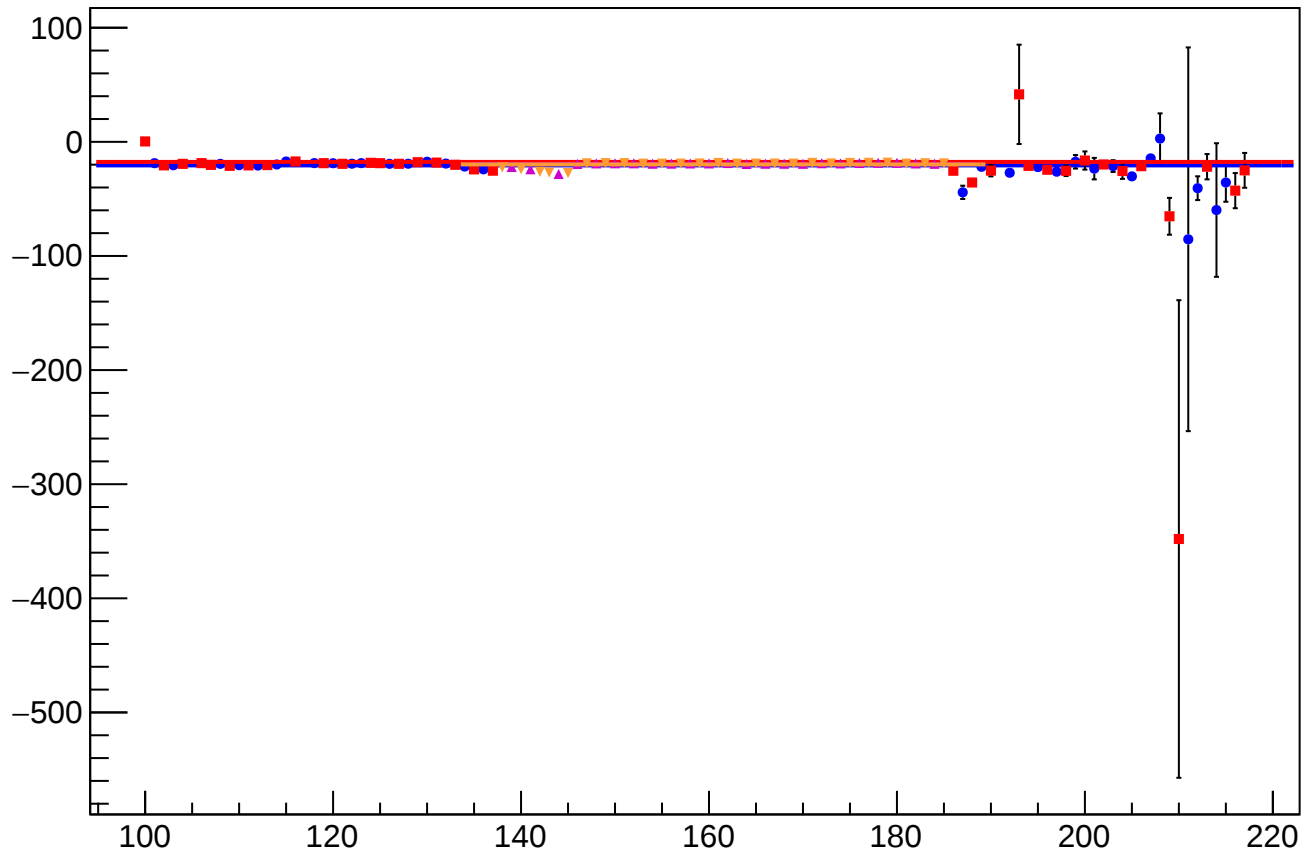
Left In: 9.738 ± 0.172 χ^2/NDF : 1191.1/22

+ sign 8.923 ± 0.152 χ^2/NDF : 1964.0/56

All: 8.750 ± 0.109 χ^2/NDF : 3862.9/114

- sign 8.570 ± 0.155 χ^2/NDF : 1896.3/57

reg_asym_right_dd_diff_bpm12X_slope vs Slug



Right In: -20.647 ± 0.019 χ^2/NDF : 12521.0/31

Left Out: -19.775 ± 0.008 χ^2/NDF : 91510.1/24

Right Out: -17.575 ± 0.018 χ^2/NDF : 178455.8/34

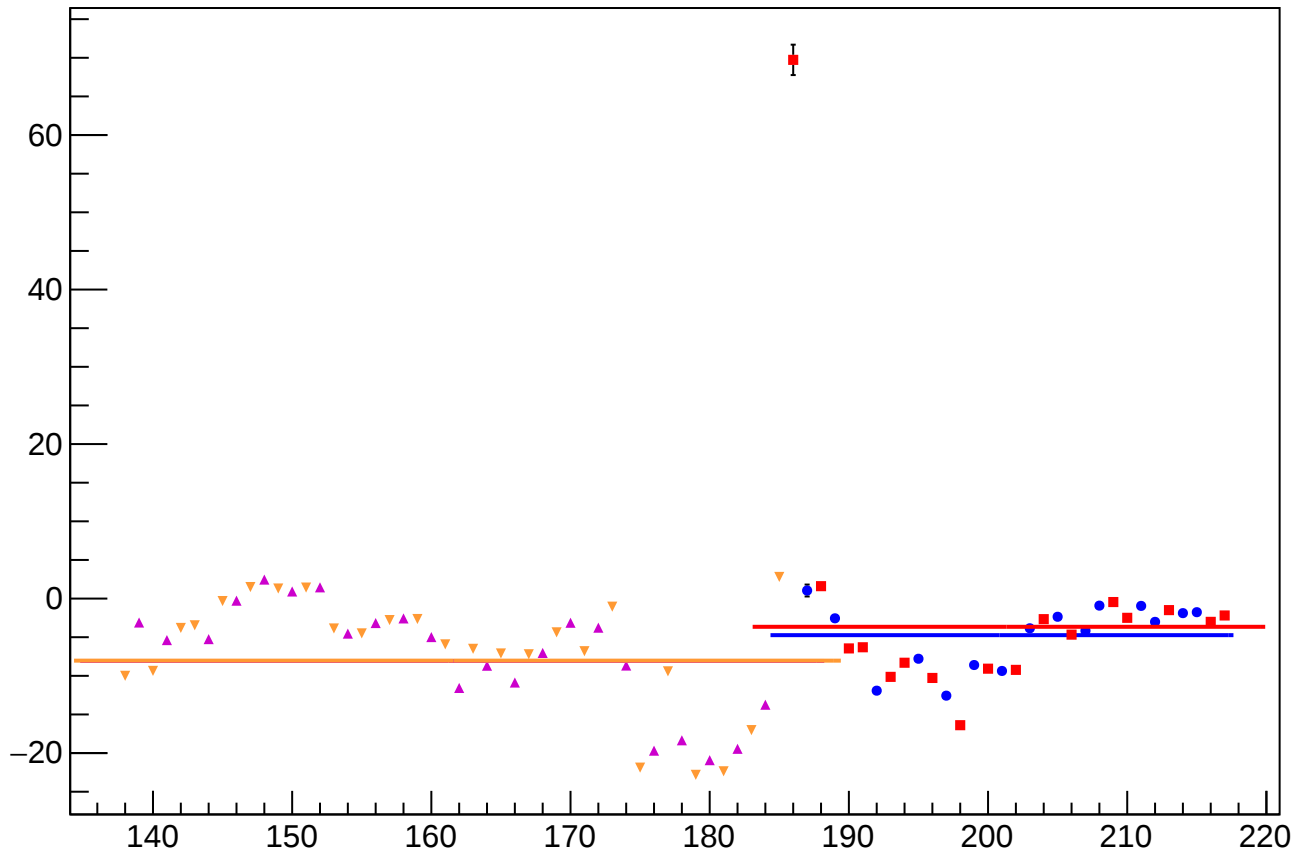
Left In: -19.445 ± 0.008 χ^2/NDF : 53124.1/22

+ sign -19.899 ± 0.007 χ^2/NDF : 105770.1/56

All: -19.518 ± 0.005 χ^2/NDF : 351748.2/114

- sign -19.140 ± 0.007 χ^2/NDF : 240567.0/57

reg_asym_sam_15_avg_diff_bpm1X_slope vs Slug



Right In: -4.734 $\pm$ 0.101 χ^2 /NDF: 1552.1/14

Left Out: -8.034 $\pm$ 0.070 χ^2 /NDF: 12568.0/24

Right Out: -3.652 $\pm$ 0.090 χ^2 /NDF: 4163.5/16

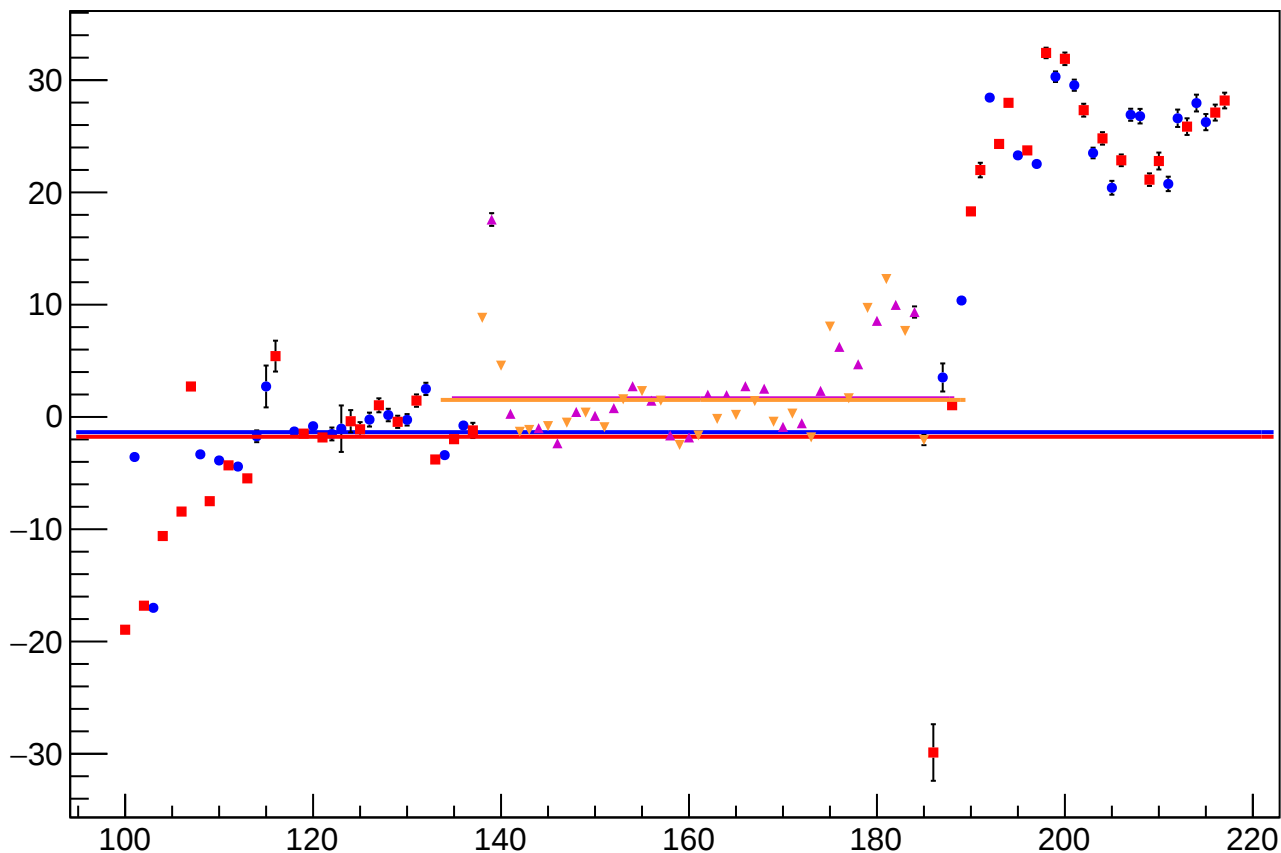
Left In: -8.078 $\pm$ 0.072 χ^2 /NDF: 10541.6/22

+ sign -6.960 $\pm$ 0.058 χ^2 /NDF: 14836.8/39

All: -6.642 $\pm$ 0.040 χ^2 /NDF: 31086.3/79

- sign -6.342 $\pm$ 0.056 χ^2 /NDF: 16190.5/39

reg_asym_sam_15_avg_diff_bpm4aY_slope vs Slug



Right In: -1.353 ± 0.051 χ^2/NDF : 50773.4/31

Left Out: 1.518 ± 0.054 χ^2/NDF : 4847.5/24

Right Out: -1.764 ± 0.053 χ^2/NDF : 61496.1/35

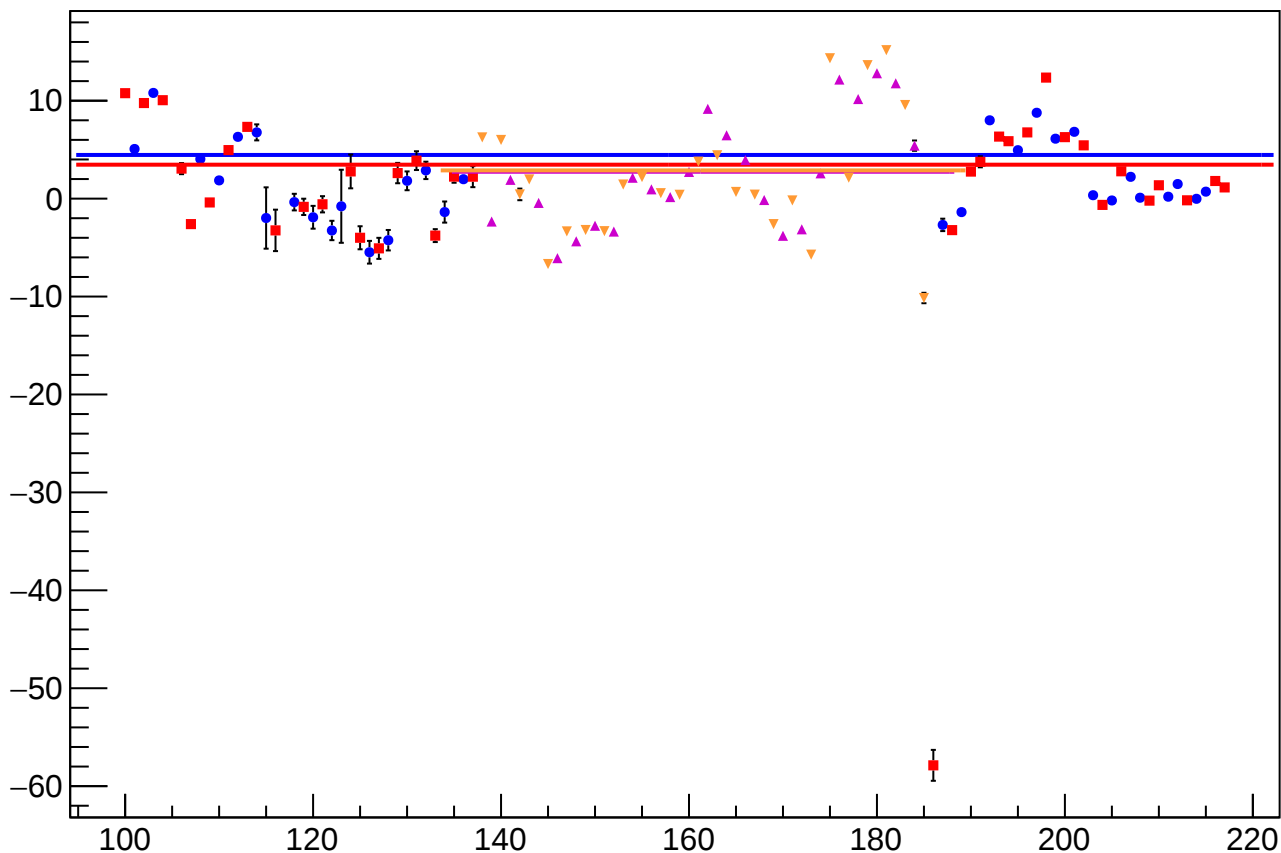
Left In: 1.662 ± 0.057 χ^2/NDF : 4034.2/22

+ sign -0.011 ± 0.037 χ^2/NDF : 57107.4/56

All: -0.083 ± 0.027 χ^2/NDF : 124597.2/115

- sign -0.161 ± 0.039 χ^2/NDF : 67482.0/58

reg_asym_sam_15_avg_diff_bpm4eX_slope vs Slug



Right In: 4.461 ± 0.066 χ^2/NDF : 3292.6/31

Left Out: 2.884 ± 0.070 χ^2/NDF : 8893.2/24

Right Out: 3.466 ± 0.062 χ^2/NDF : 8124.1/35

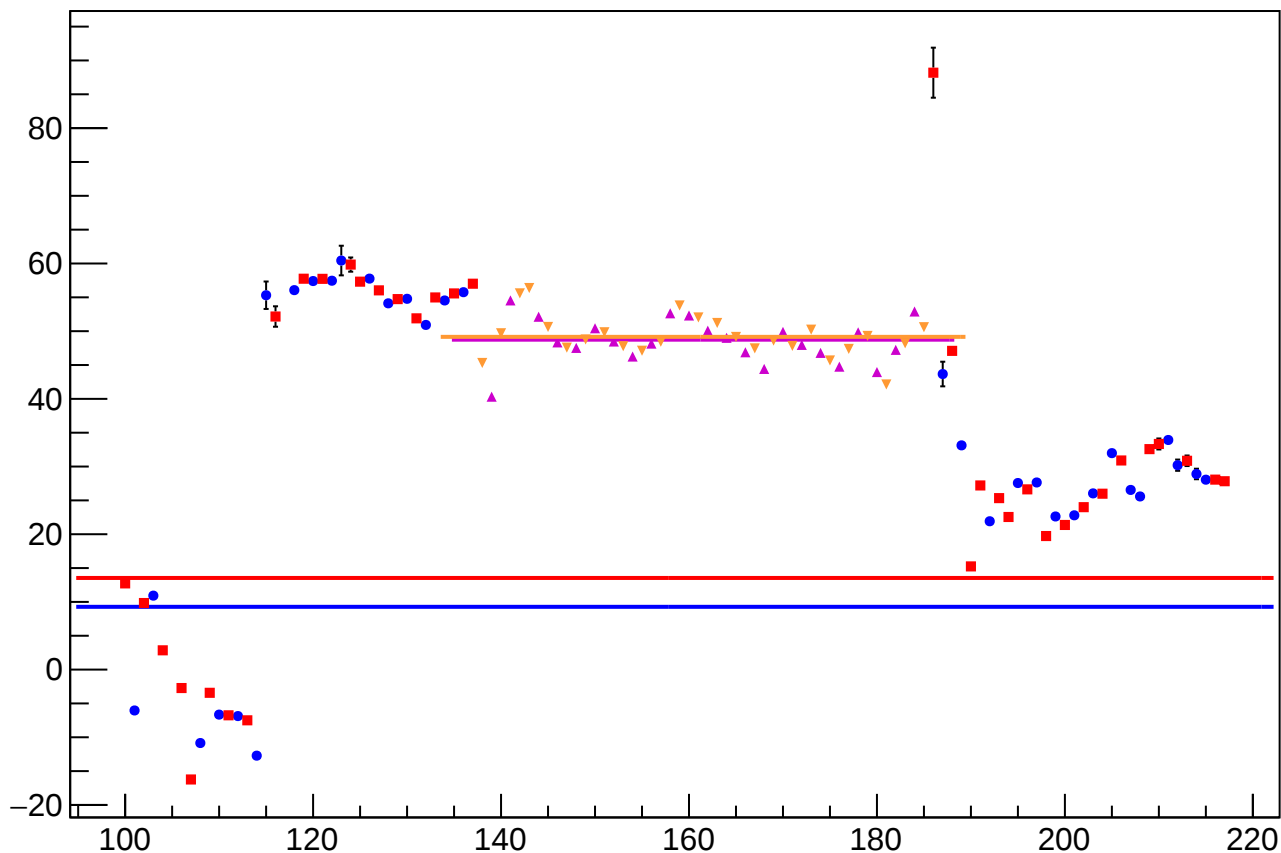
Left In: 2.745 ± 0.071 χ^2/NDF : 7183.1/22

+ sign 3.724 ± 0.048 χ^2/NDF : 12454.1/56

All: 3.433 ± 0.034 χ^2/NDF : 27891.0/115

- sign 3.157 ± 0.047 χ^2/NDF : 15365.3/58

reg_asym_sam_15_avg_diff_bpm4eY_slope vs Slug



Right In: 9.275 ± 0.060 χ^2/NDF : 136312.8/31

Left Out: 49.163 ± 0.062 χ^2/NDF : 2259.9/24

Right Out: 13.539 ± 0.063 χ^2/NDF : 138551.5/35

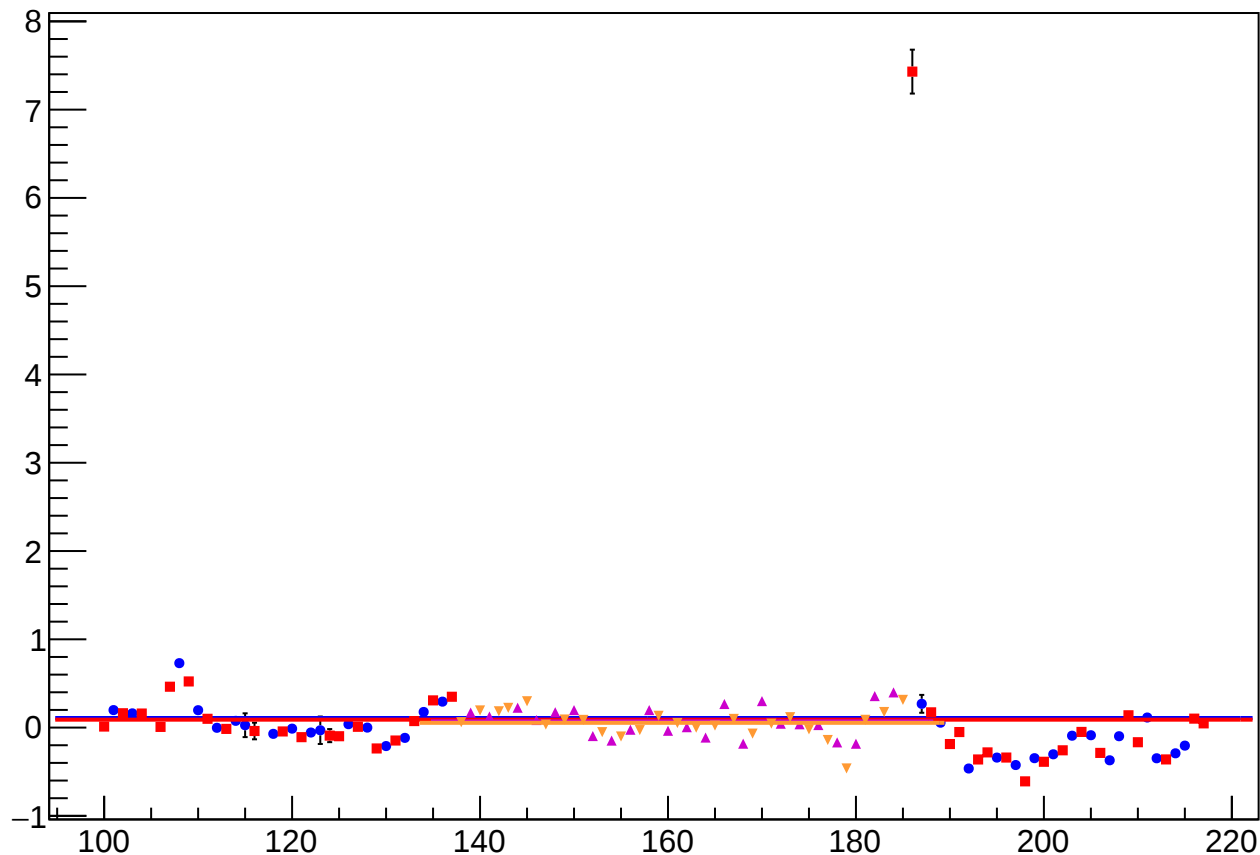
Left In: 48.744 ± 0.064 χ^2/NDF : 2097.7/22

+ sign 28.615 ± 0.043 χ^2/NDF : 353598.1/56

All: 29.702 ± 0.031 χ^2/NDF : 650248.7/115

- sign 30.879 ± 0.045 χ^2/NDF : 295318.5/58

reg_asym_sam_15_avg_diff_bpm12X_slope vs Slug



Right In: 0.109+/-0.002 χ^2/NDF : 11864.9/31

Left Out: 0.054+/-0.003 χ^2/NDF : 2379.8/24

Right Out: 0.090+/-0.002 χ^2/NDF : 11111.8/35

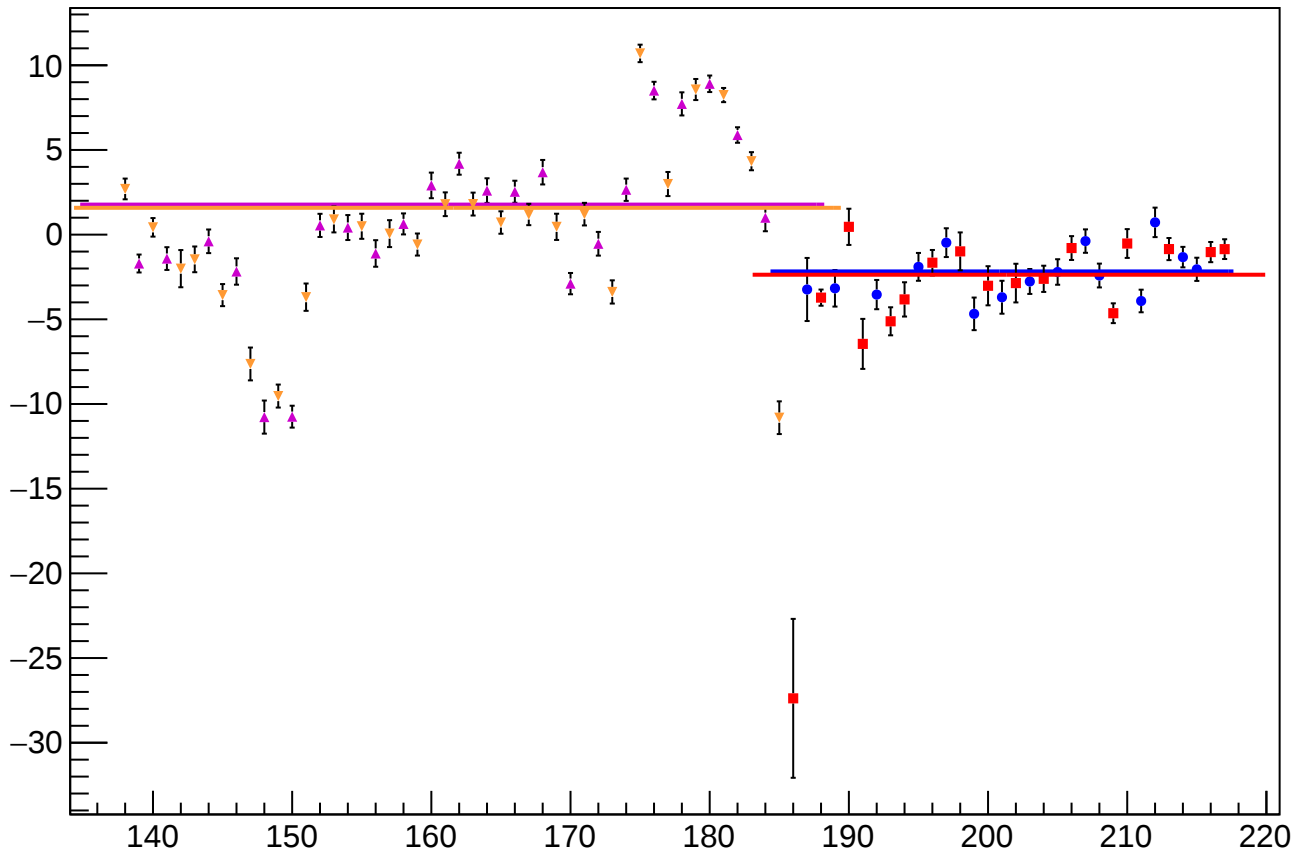
Left In: 0.070+/-0.003 χ^2/NDF : 3233.8/22

+ sign 0.085+/-0.002 χ^2/NDF : 14457.2/56

All: 0.083+/-0.001 χ^2/NDF : 28831.5/115

- sign 0.082+/-0.002 χ^2/NDF : 14372.7/58

reg_asym_sam_15_dd_diff_bpm1X_slope vs Slug



Right In: -2.172 ± 0.206 χ^2/NDF : 44.4/14

Left Out: 1.584 ± 0.133 χ^2/NDF : 1458.8/24

Right Out: -2.367 ± 0.188 χ^2/NDF : 109.2/16

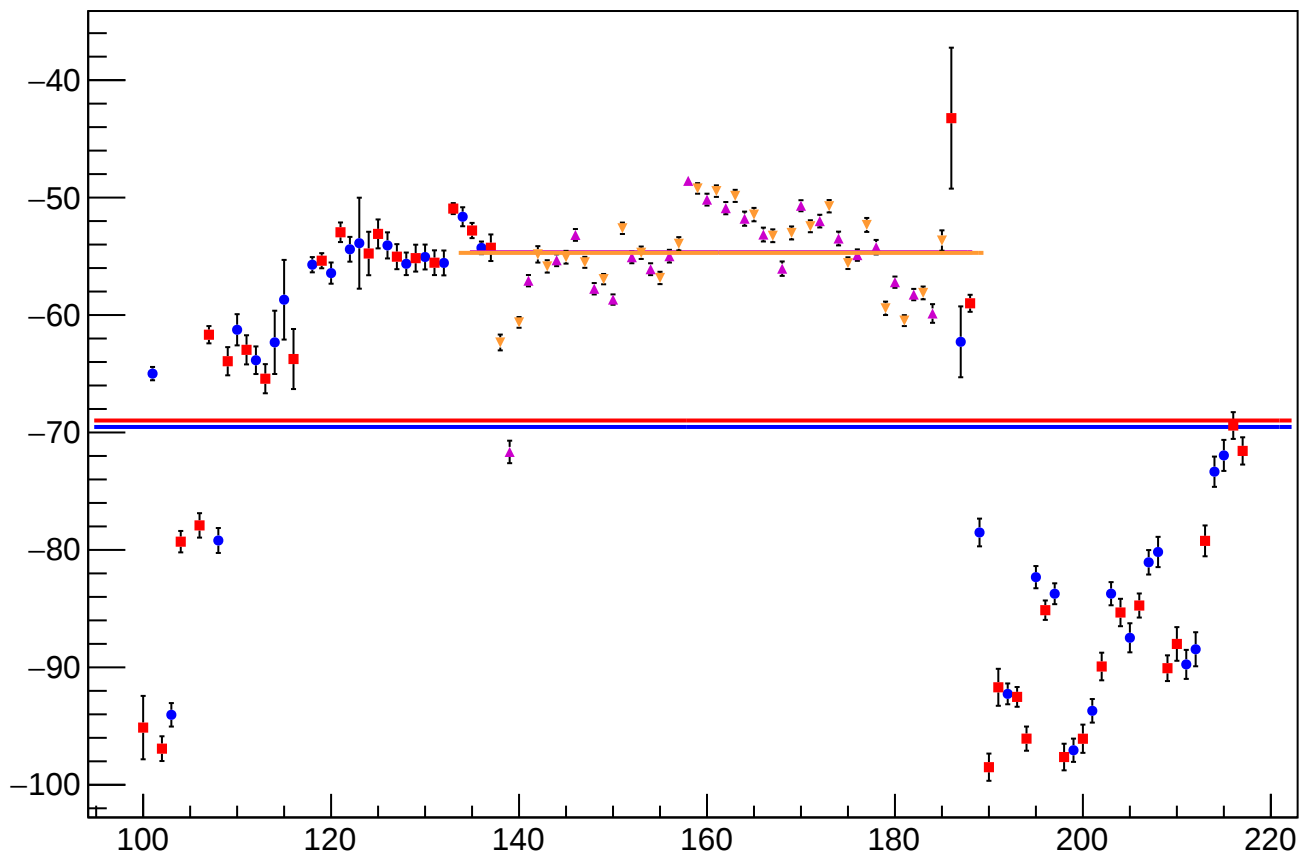
Left In: 1.774 ± 0.135 χ^2/NDF : 1297.3/22

+ sign 0.480 ± 0.111 χ^2/NDF : 1738.7/39

All: 0.419 ± 0.078 χ^2/NDF : 3466.3/79

- sign 0.359 ± 0.110 χ^2/NDF : 1727.0/39

reg_asym_sam_15_dd_diff_bpm4aY_slope vs Slug



Right In: -69.532 ± 0.178 $\chi^2/\text{NDF}: 7335.1/31$

Left Out: -54.707 ± 0.106 $\chi^2/\text{NDF}: 1126.0/24$

Right Out: -68.981 ± 0.166 $\chi^2/\text{NDF}: 10379.9/35$

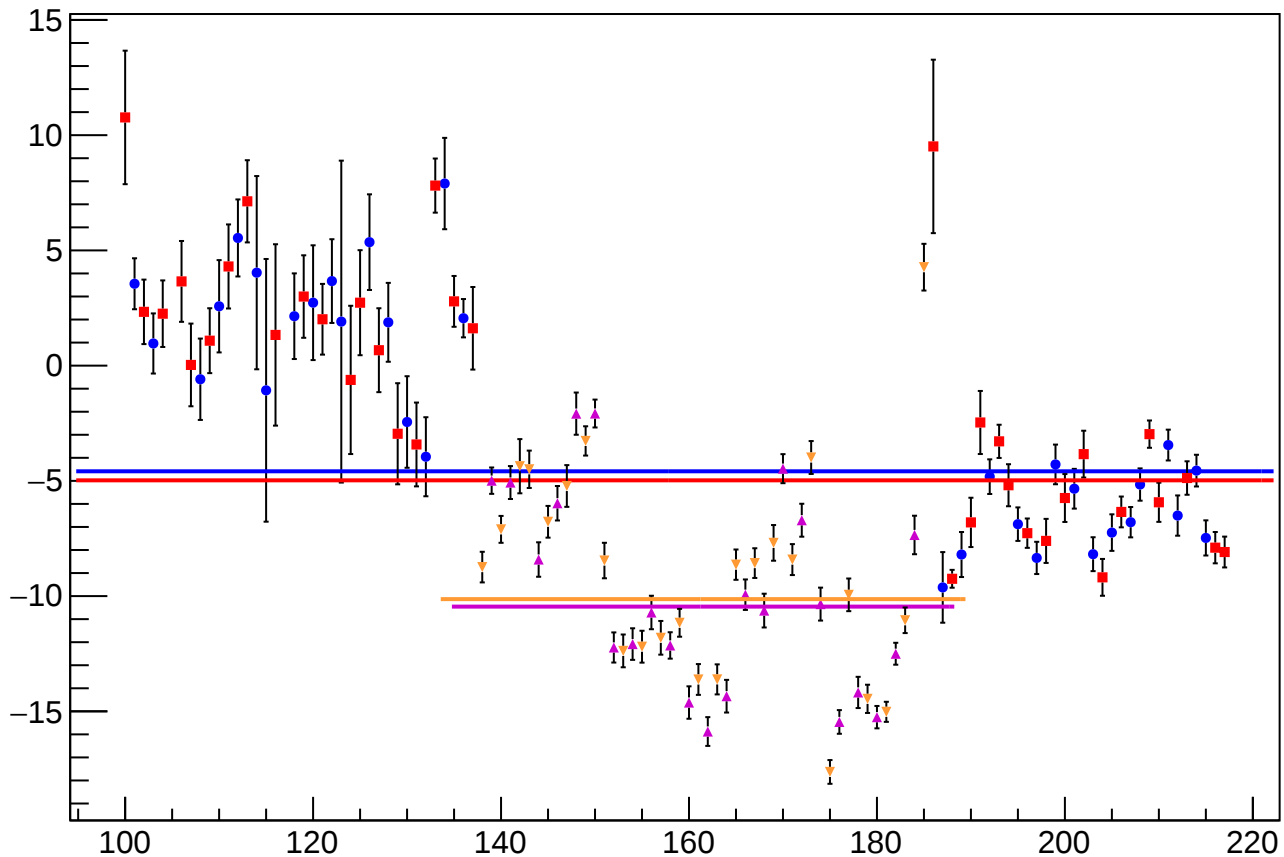
Left In: -54.650 ± 0.110 $\chi^2/\text{NDF}: 1077.1/22$

+ sign -58.586 ± 0.091 $\chi^2/\text{NDF}: 13608.7/56$

All: -58.802 ± 0.064 $\chi^2/\text{NDF}: 30274.7/115$

- sign -59.021 ± 0.092 $\chi^2/\text{NDF}: 16654.7/58$

reg_asym_sam_15_dd_diff_bpm4eX_slope vs Slug



Right In: -4.585 ± 0.179 χ^2/NDF : 450.3/31

Left Out: -10.131 ± 0.133 χ^2/NDF : 1055.4/24

Right Out: -4.977 ± 0.163 χ^2/NDF : 709.3/35

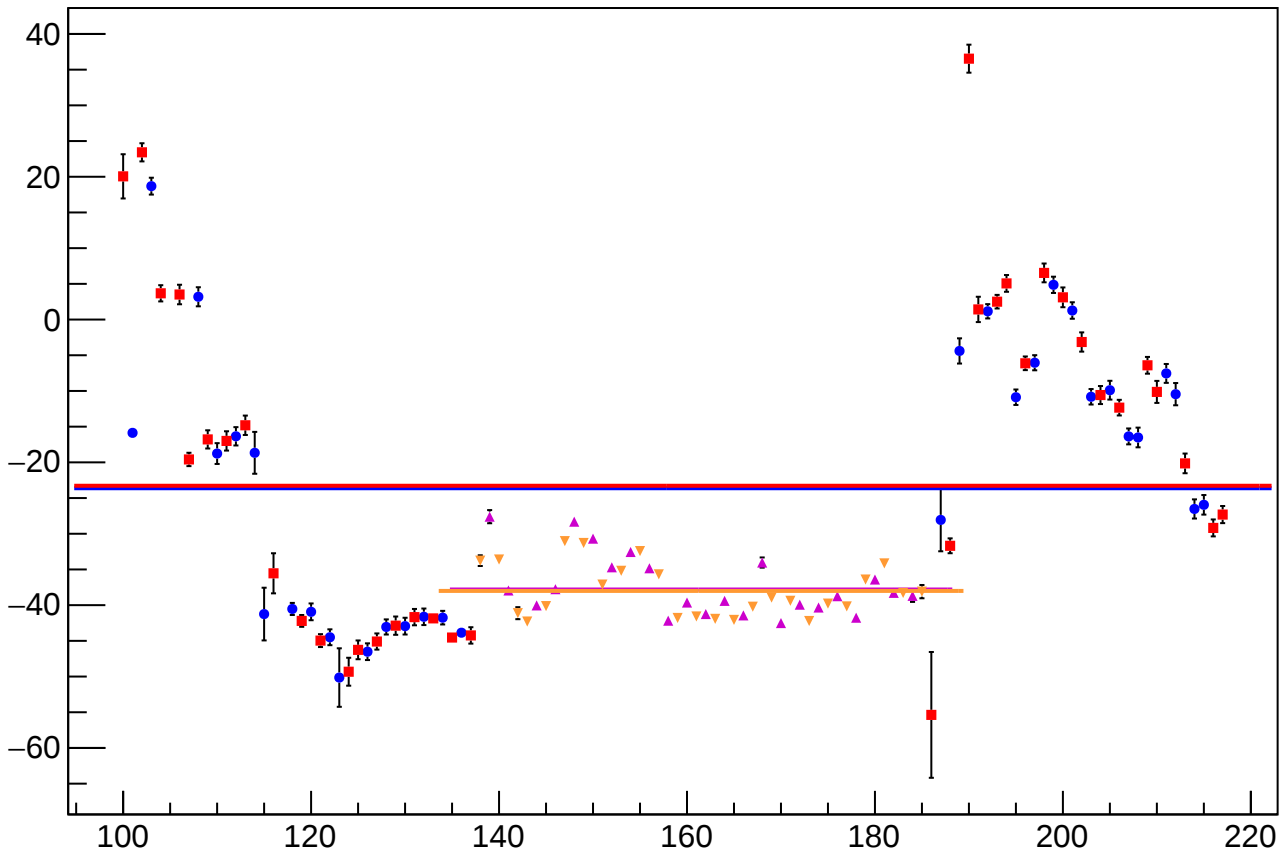
Left In: -10.456 ± 0.135 χ^2/NDF : 1002.7/22

+ sign -8.166 ± 0.107 χ^2/NDF : 2123.7/56

All: -8.200 ± 0.074 χ^2/NDF : 4508.0/115

- sign -8.232 ± 0.104 χ^2/NDF : 2384.2/58

reg_asym_sam_15_dd_diff_bpm4eY_slope vs Slug



Right In: -23.626 ± 0.201 χ^2/NDF : 8669.2/31

Left Out: -38.006 ± 0.119 χ^2/NDF : 946.0/24

Right Out: -23.278 ± 0.191 χ^2/NDF : 11928.4/35

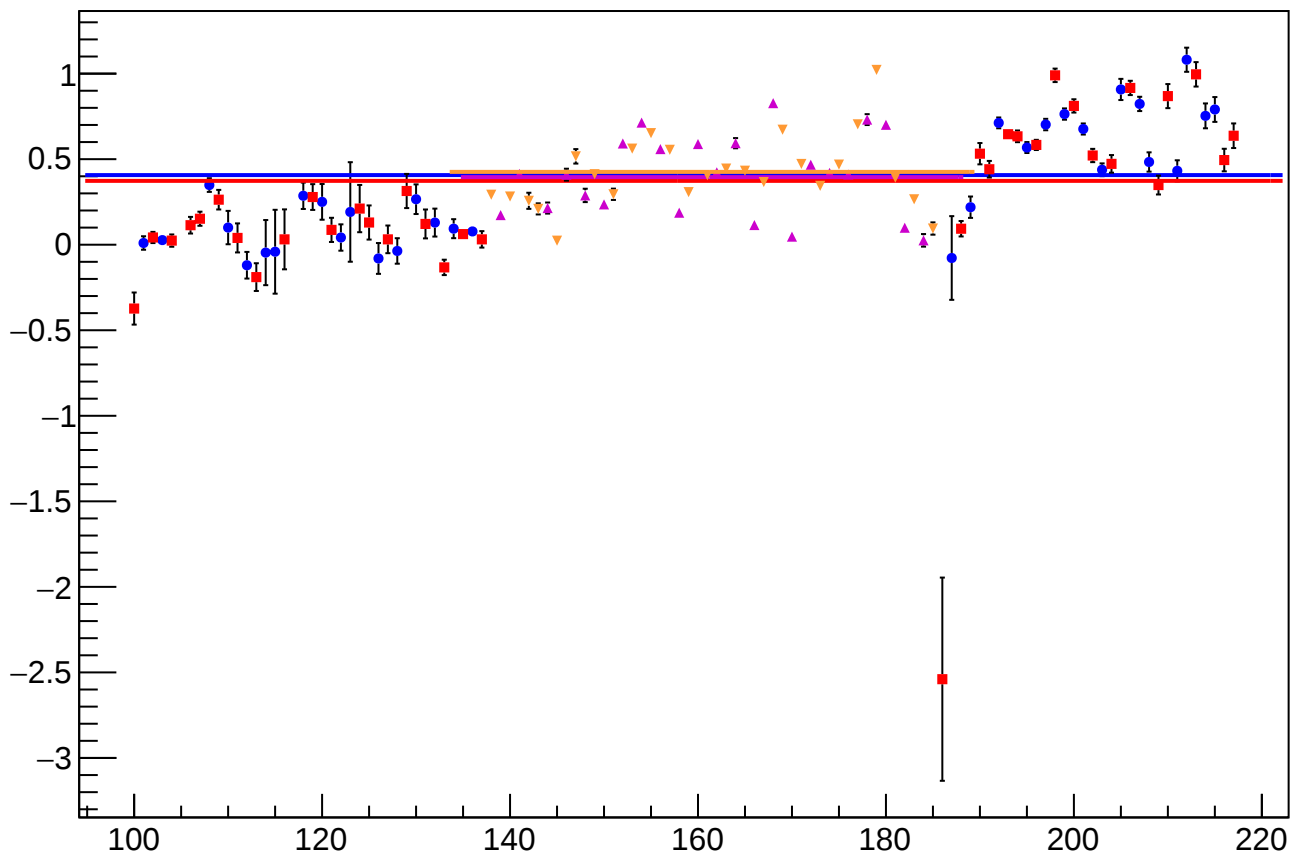
Left In: -37.809 ± 0.122 χ^2/NDF : 1039.9/22

+ sign -34.290 ± 0.102 χ^2/NDF : 13405.2/56

All: -33.942 ± 0.073 χ^2/NDF : 30498.5/115

- sign -33.588 ± 0.103 χ^2/NDF : 17069.8/58

reg_asym_sam_15_dd_diff_bpm12X_slope vs Slug



Right In: 0.407 ± 0.008 χ^2/NDF : 1402.0/31

Left Out: 0.426 ± 0.005 χ^2/NDF : 1303.7/24

Right Out: 0.373 ± 0.008 χ^2/NDF : 1723.5/35

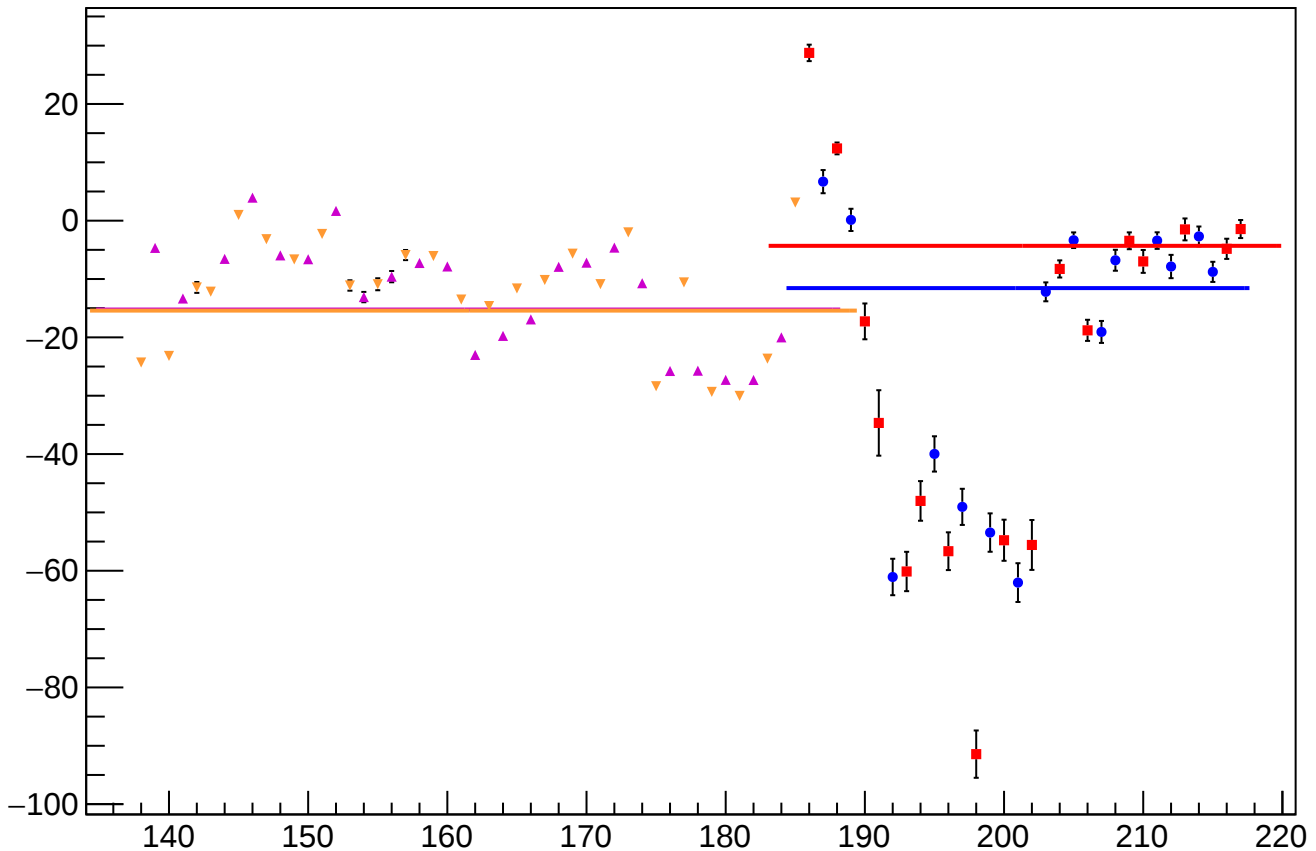
Left In: 0.395 ± 0.005 χ^2/NDF : 1798.2/22

+ sign 0.420 ± 0.005 χ^2/NDF : 2709.2/56

All: 0.404 ± 0.003 χ^2/NDF : 6260.9/115

- sign 0.388 ± 0.005 χ^2/NDF : 3526.6/58

reg_asym_sam_37_avg_diff_bpm1X_slope vs Slug



Right In: -11.557 ± 0.501 χ^2/NDF : 1128.4/14

Left Out: -15.413 ± 0.105 χ^2/NDF : 10509.1/24

Right Out: -4.312 ± 0.465 χ^2/NDF : 2460.5/16

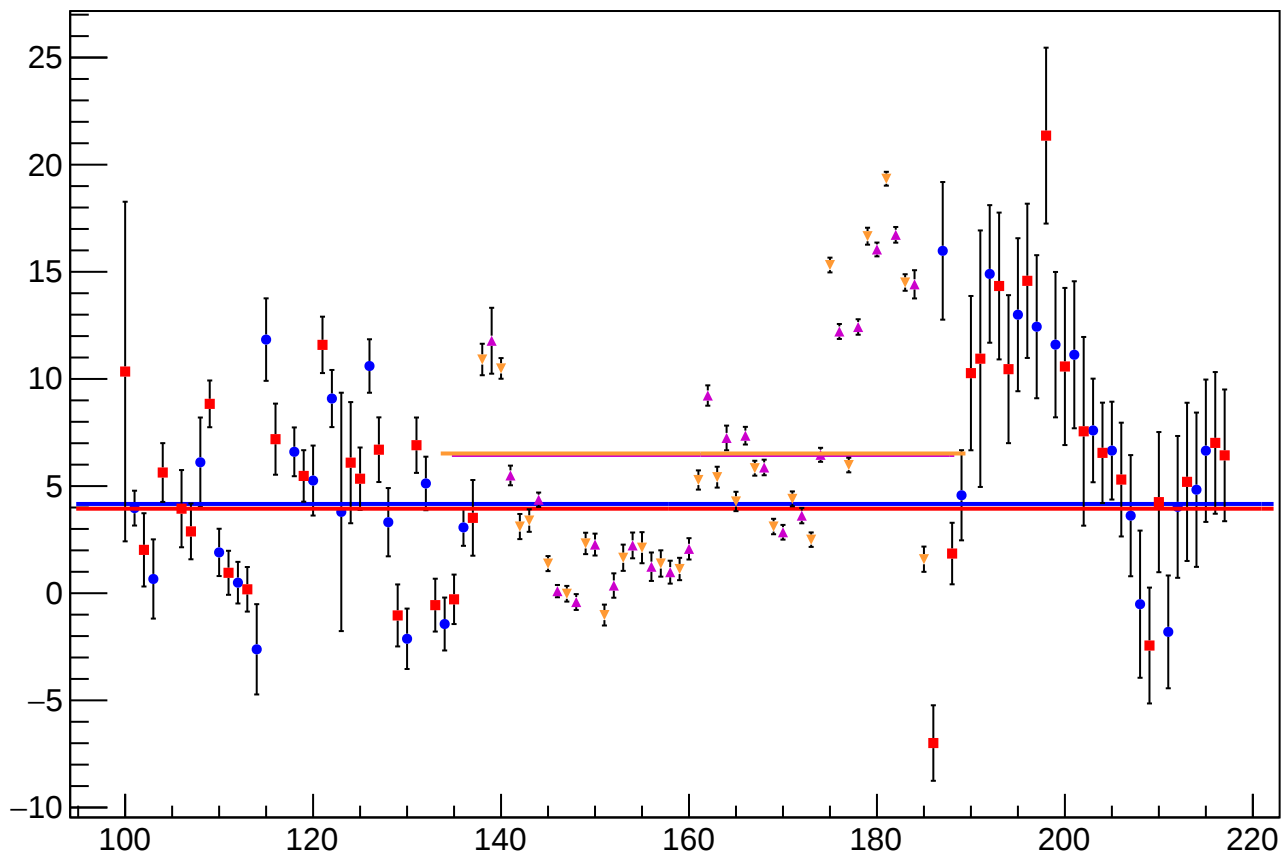
Left In: -15.229 ± 0.107 χ^2/NDF : 8657.3/22

+ sign -15.249 ± 0.103 χ^2/NDF : 11694.3/39

All: -14.969 ± 0.073 χ^2/NDF : 23351.1/79

- sign -14.683 ± 0.104 χ^2/NDF : 11641.9/39

reg_asym_sam_37_avg_diff_bpm4aY_slope vs Slug



Right In: 4.166 $\pm$ 0.288 χ^2 /NDF: 194.3/31

Left Out: 6.521 $\pm$ 0.085 χ^2 /NDF: 4985.2/24

Right Out: 3.945 $\pm$ 0.287 χ^2 /NDF: 230.9/35

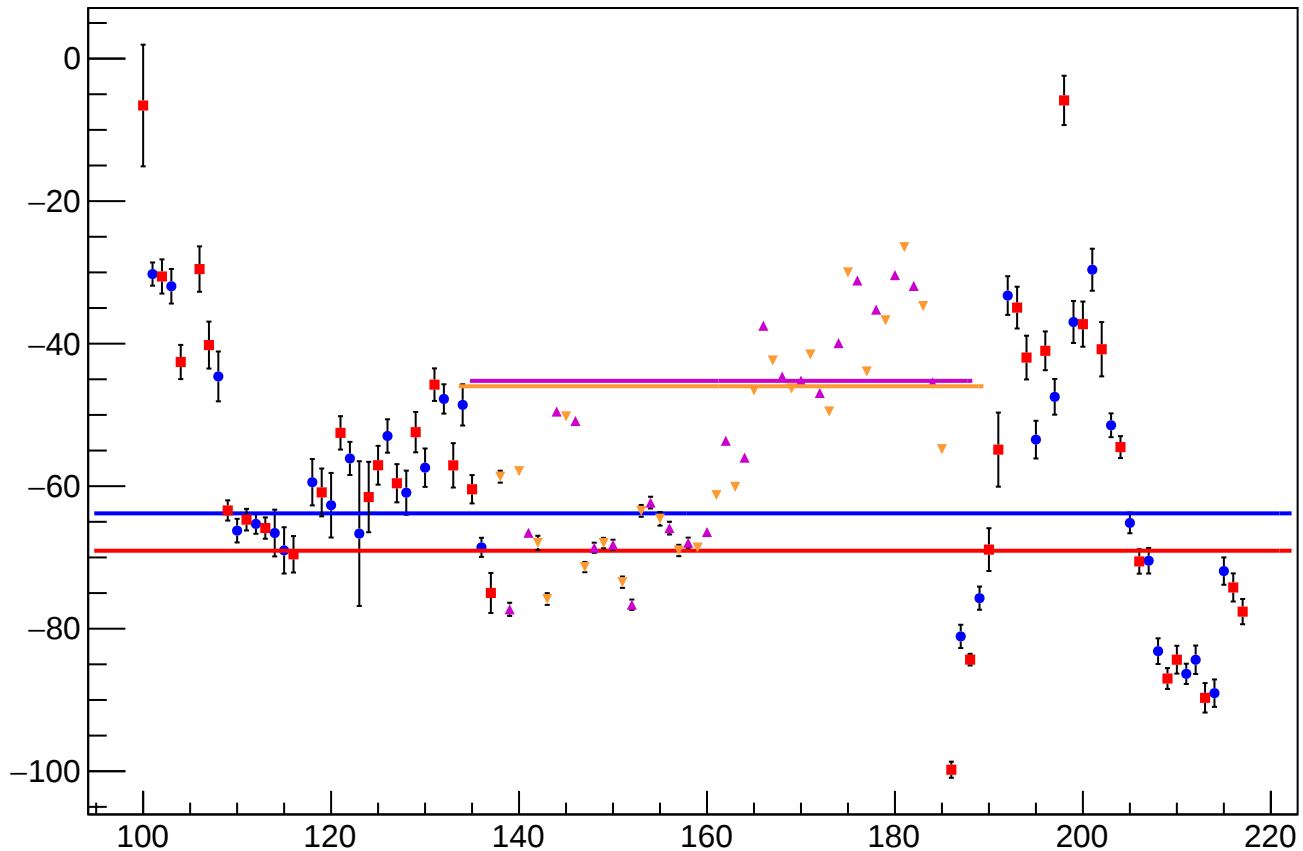
Left In: 6.452 $\pm$ 0.086 χ^2 /NDF: 3948.0/22

+ sign 6.330 $\pm$ 0.082 χ^2 /NDF: 5241.0/56

All: 6.288 $\pm$ 0.058 χ^2 /NDF: 9490.6/115

- sign 6.245 $\pm$ 0.082 χ^2 /NDF: 4249.0/58

reg_asym_sam_37_avg_diff_bpm4eX_slope vs Slug



Right In: -63.816 ± 0.364 χ^2/NDF : 2074.1/31

Left Out: -45.982 ± 0.106 χ^2/NDF : 17360.1/24

Right Out: -69.059 ± 0.337 χ^2/NDF : 3294.1/35

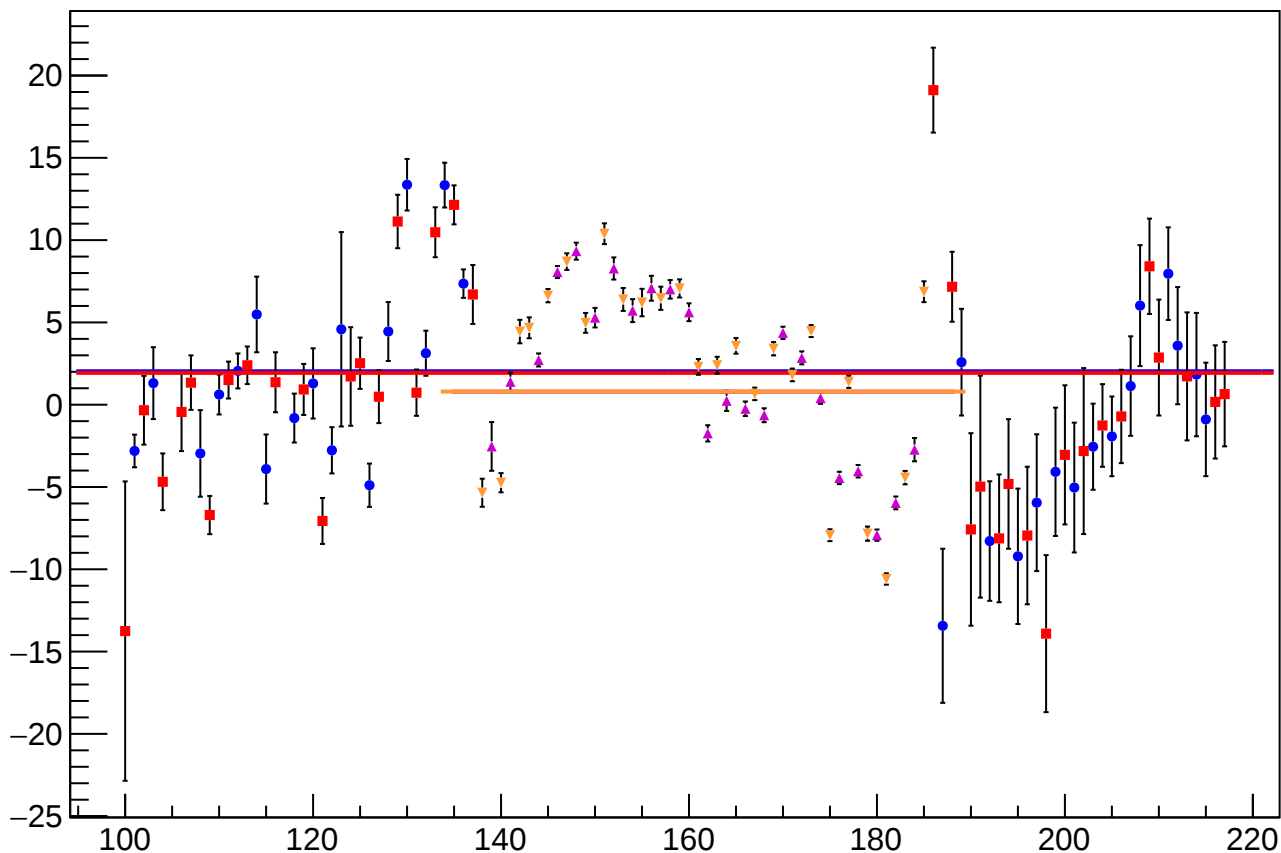
Left In: -45.222 ± 0.107 χ^2/NDF : 15600.2/22

+ sign -47.380 ± 0.102 χ^2/NDF : 21643.0/56

All: -47.396 ± 0.072 χ^2/NDF : 45081.6/115

- sign -47.413 ± 0.102 χ^2/NDF : 23438.5/58

reg_asym_sam_37_avg_diff_bpm4eY_slope vs Slug



Right In: 2.031 ± 0.323 χ^2/NDF : 292.3/31

Left Out: 0.797 ± 0.096 χ^2/NDF : 3760.0/24

Right Out: 1.935 ± 0.326 χ^2/NDF : 355.2/35

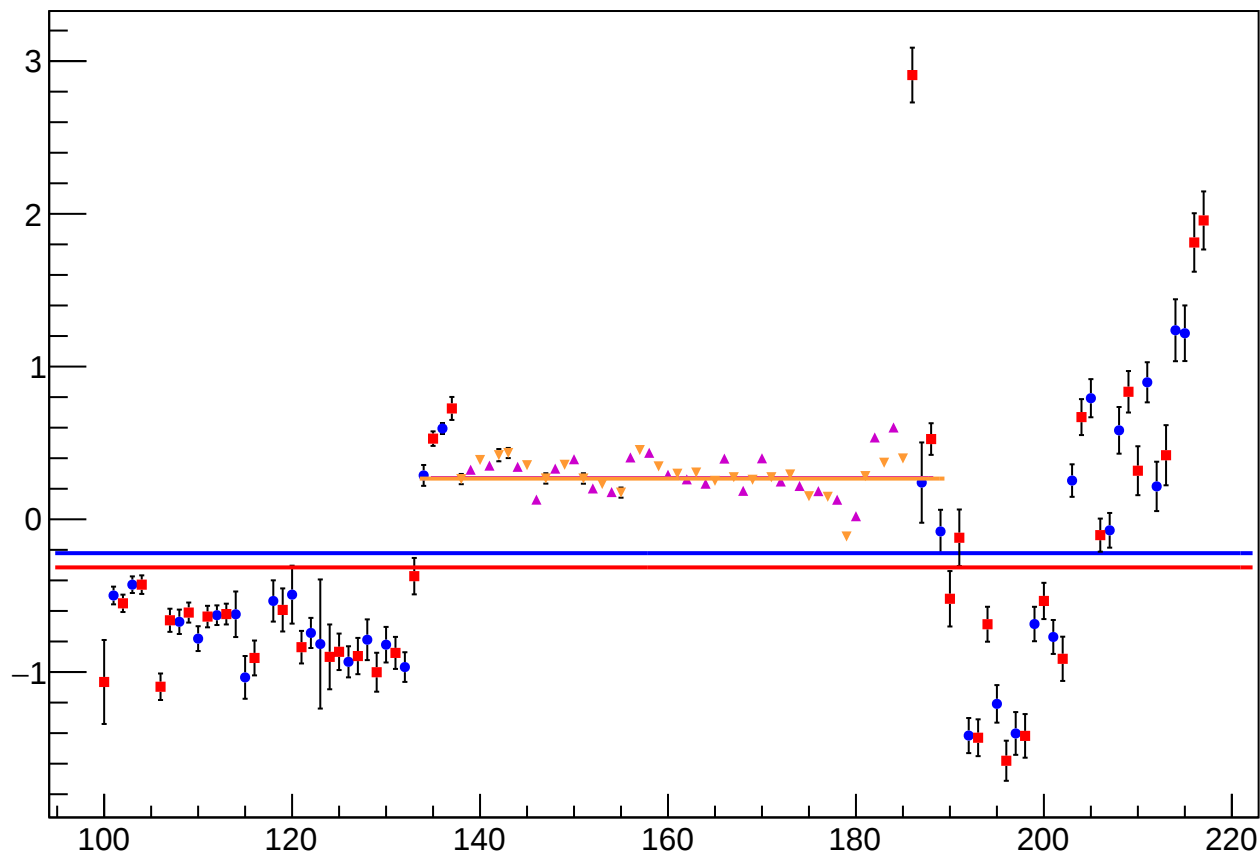
Left In: 0.792 ± 0.097 χ^2/NDF : 2692.5/22

+ sign 0.897 ± 0.092 χ^2/NDF : 4065.7/56

All: 0.891 ± 0.065 χ^2/NDF : 7124.7/115

- sign 0.884 ± 0.093 χ^2/NDF : 3059.0/58

reg_asym_sam_37_avg_diff_bpm12X_slope vs Slug



Right In: -0.222 ± 0.017 $\chi^2/\text{NDF}: 1555.9/31$

Left Out: 0.267 ± 0.004 $\chi^2/\text{NDF}: 699.8/24$

Right Out: -0.315 ± 0.017 $\chi^2/\text{NDF}: 1963.2/35$

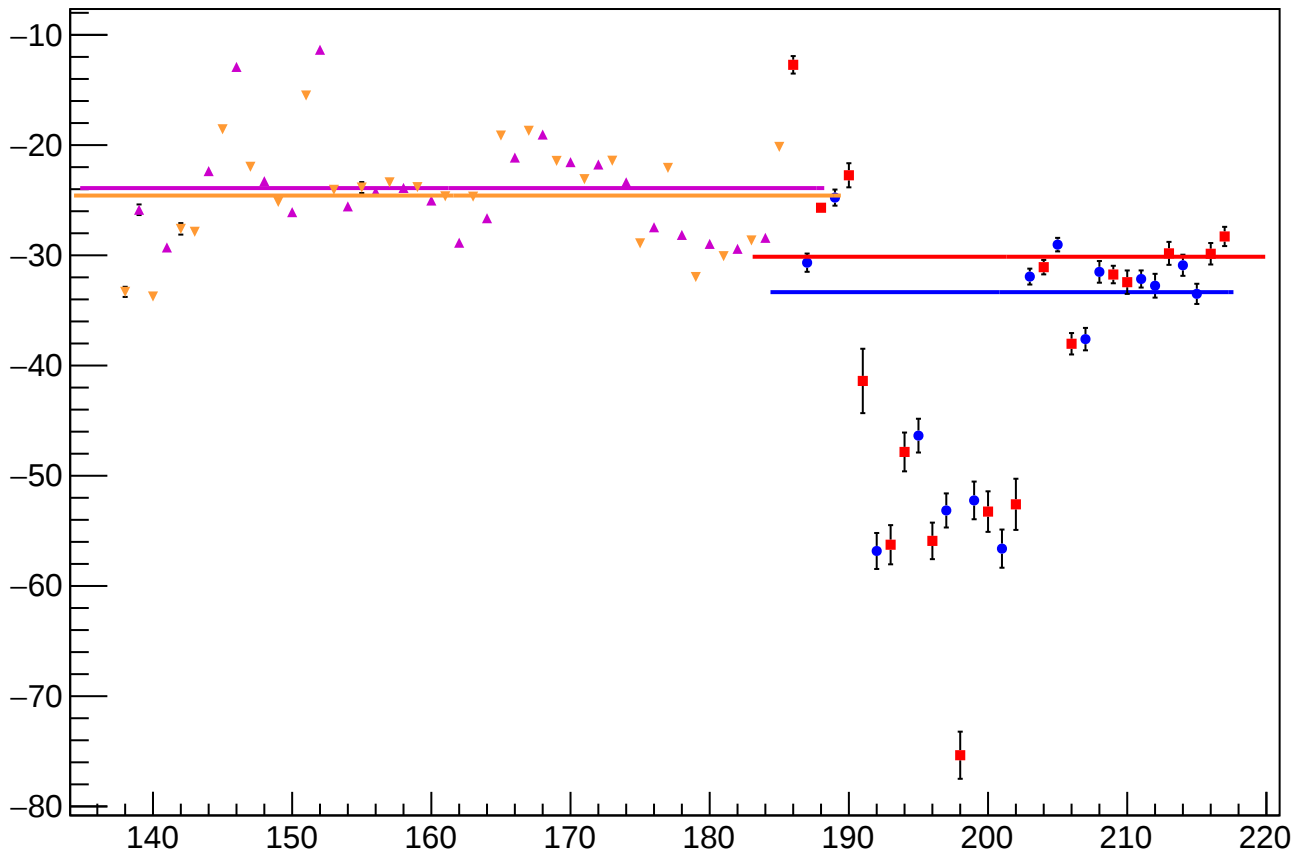
Left In: 0.270 ± 0.004 $\chi^2/\text{NDF}: 969.9/22$

+ sign 0.235 ± 0.004 $\chi^2/\text{NDF}: 3065.9/56$

All: 0.233 ± 0.003 $\chi^2/\text{NDF}: 7167.6/115$

- sign 0.231 ± 0.004 $\chi^2/\text{NDF}: 4101.3/58$

reg_asym_sam_37_dd_diff_bpm1X_slope vs Slug



Right In: -33.341 ± 0.245 χ^2/NDF : 977.3/14

Left Out: -24.577 ± 0.051 χ^2/NDF : 8590.4/24

Right Out: -30.130 ± 0.231 χ^2/NDF : 1988.2/16

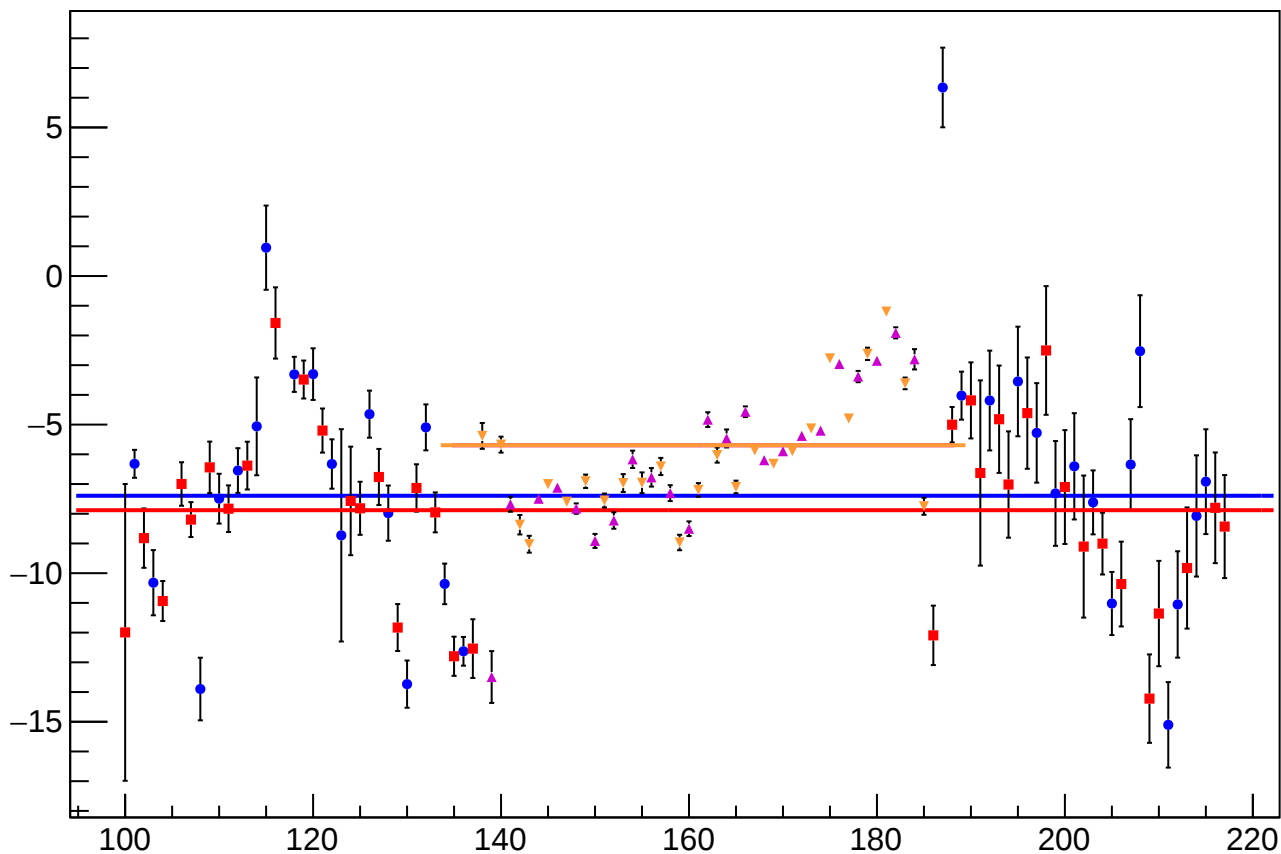
Left In: -23.901 ± 0.051 χ^2/NDF : 9154.9/22

+ sign -24.940 ± 0.050 χ^2/NDF : 10790.1/39

All: -24.566 ± 0.035 χ^2/NDF : 22740.1/79

- sign -24.192 ± 0.050 χ^2/NDF : 11837.8/39

reg_asym_sam_37_dd_diff_bpm4aY_slope vs Slug



Right In: -7.395 ± 0.167 χ^2/NDF : 565.8/31

Left Out: -5.694 ± 0.041 χ^2/NDF : 2258.3/24

Right Out: -7.881 ± 0.162 χ^2/NDF : 313.0/35

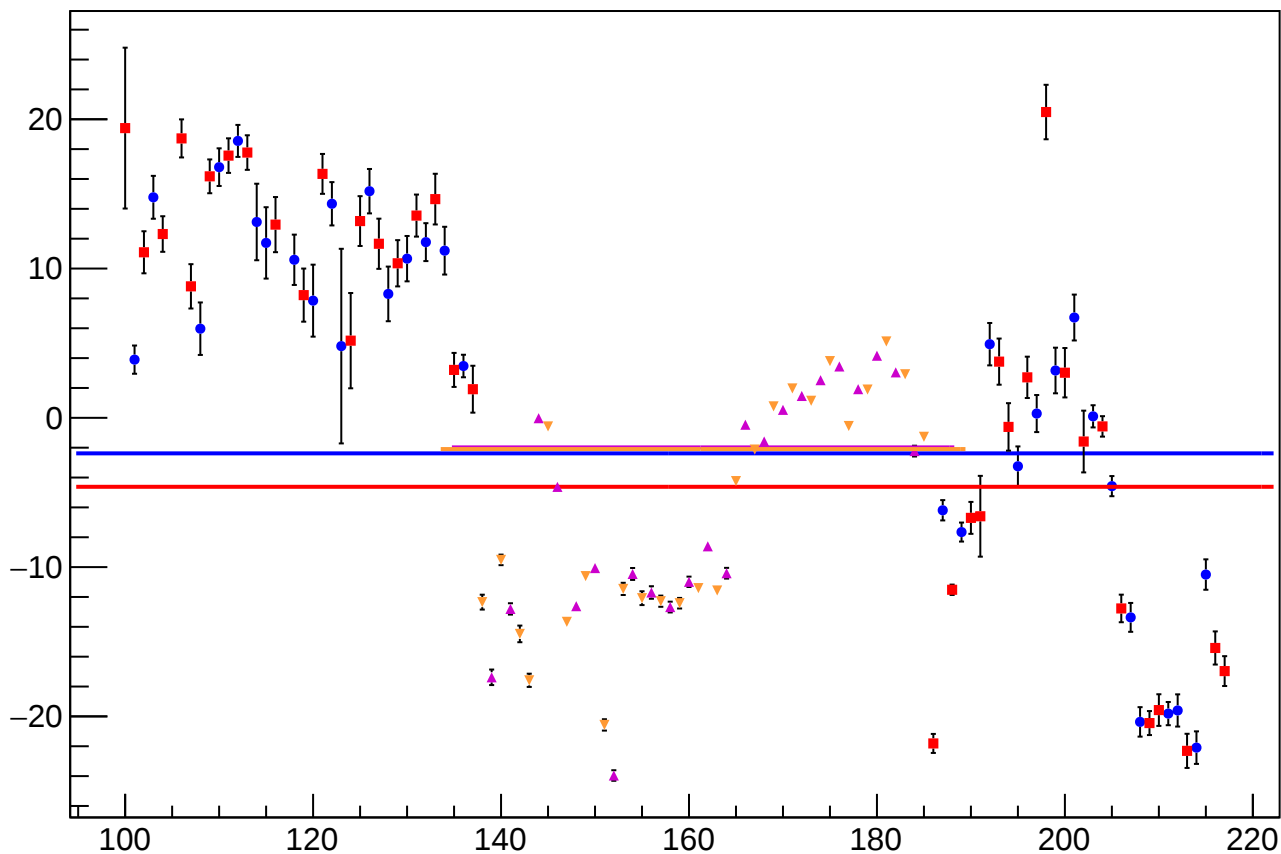
Left In: -5.696 ± 0.041 χ^2/NDF : 2309.8/22

+ sign -5.792 ± 0.040 χ^2/NDF : 2922.3/56

All: -5.809 ± 0.028 χ^2/NDF : 5716.1/115

- sign -5.826 ± 0.040 χ^2/NDF : 2793.5/58

reg_asym_sam_37_dd_diff_bpm4eX_slope vs Slug



Right In: -2.380 ± 0.195 χ^2/NDF : 3418.1/31

Left Out: -2.092 ± 0.051 χ^2/NDF : 16305.3/24

Right Out: -4.620 ± 0.179 χ^2/NDF : 5491.9/35

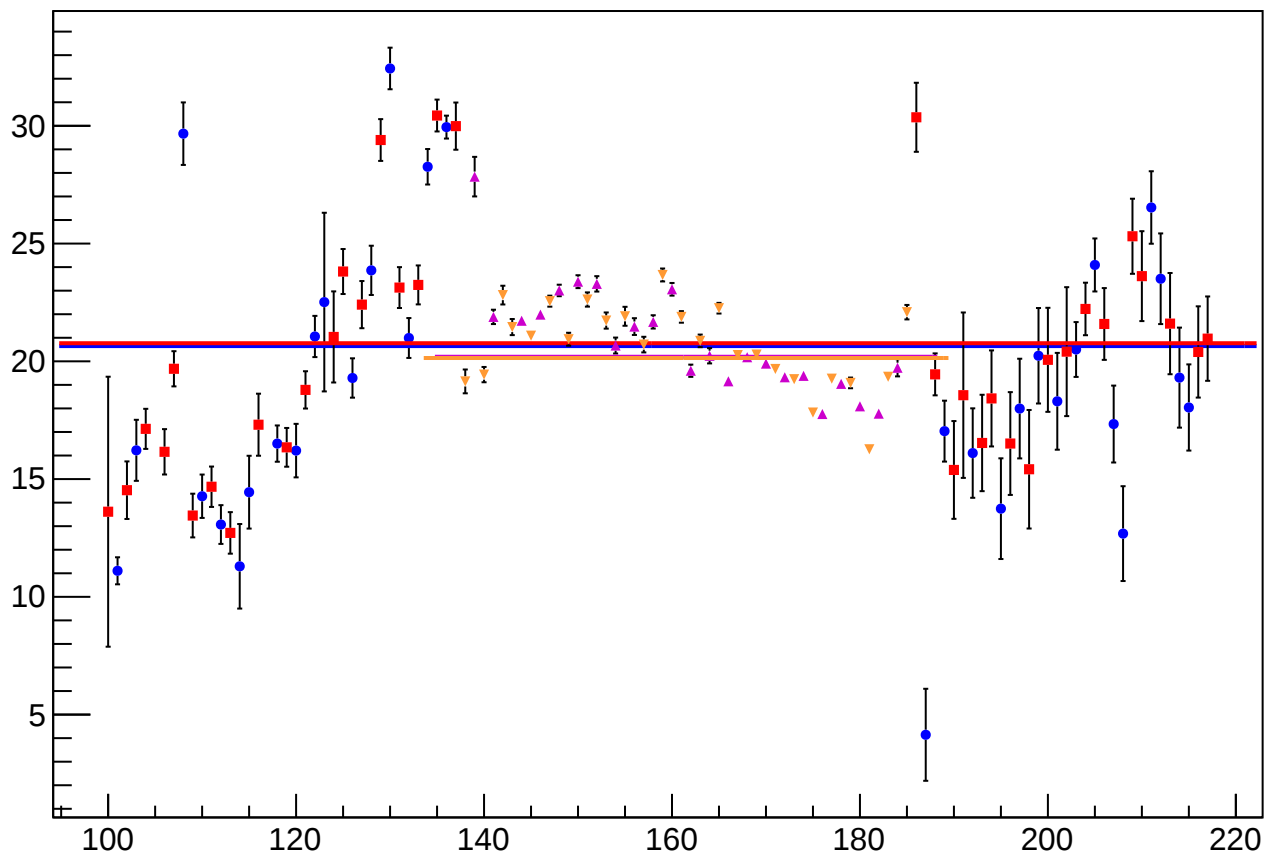
Left In: -1.980 ± 0.051 χ^2/NDF : 15382.3/22

+ sign -2.111 ± 0.050 χ^2/NDF : 19725.4/56

All: -2.146 ± 0.035 χ^2/NDF : 40802.6/115

- sign -2.182 ± 0.049 χ^2/NDF : 21076.2/58

reg_asym_sam_37_dd_diff_bpm4eY_slope vs Slug



Right In: 20.647 $\pm$ 0.189 χ^2 /NDF: 1359.6/31

Left Out: 20.141 $\pm$ 0.046 χ^2 /NDF: 1419.1/24

Right Out: 20.769 $\pm$ 0.189 χ^2 /NDF: 800.6/35

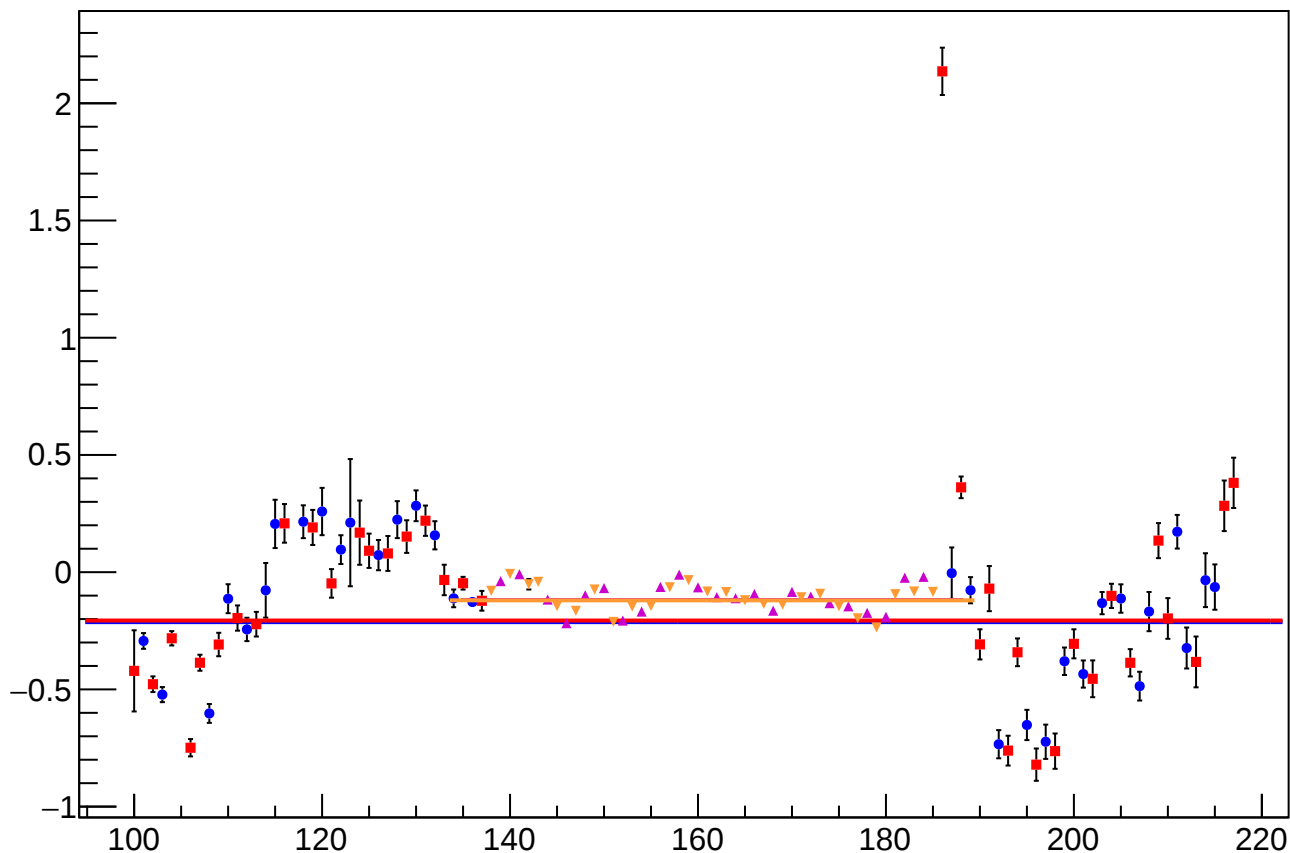
Left In: 20.194 $\pm$ 0.046 χ^2 /NDF: 1447.4/22

+ sign 20.169 $\pm$ 0.045 χ^2 /NDF: 2785.4/56

All: 20.198 $\pm$ 0.032 χ^2 /NDF: 5042.9/115

- sign 20.226 $\pm$ 0.045 χ^2 /NDF: 2256.7/58

reg_asym_sam_37_dd_diff_bpm12X_slope vs Slug



Right In: -0.213 ± 0.009 $\chi^2/\text{NDF}: 733.9/31$

Left Out: -0.120 ± 0.002 $\chi^2/\text{NDF}: 530.4/24$

Right Out: -0.206 ± 0.009 $\chi^2/\text{NDF}: 1545.9/35$

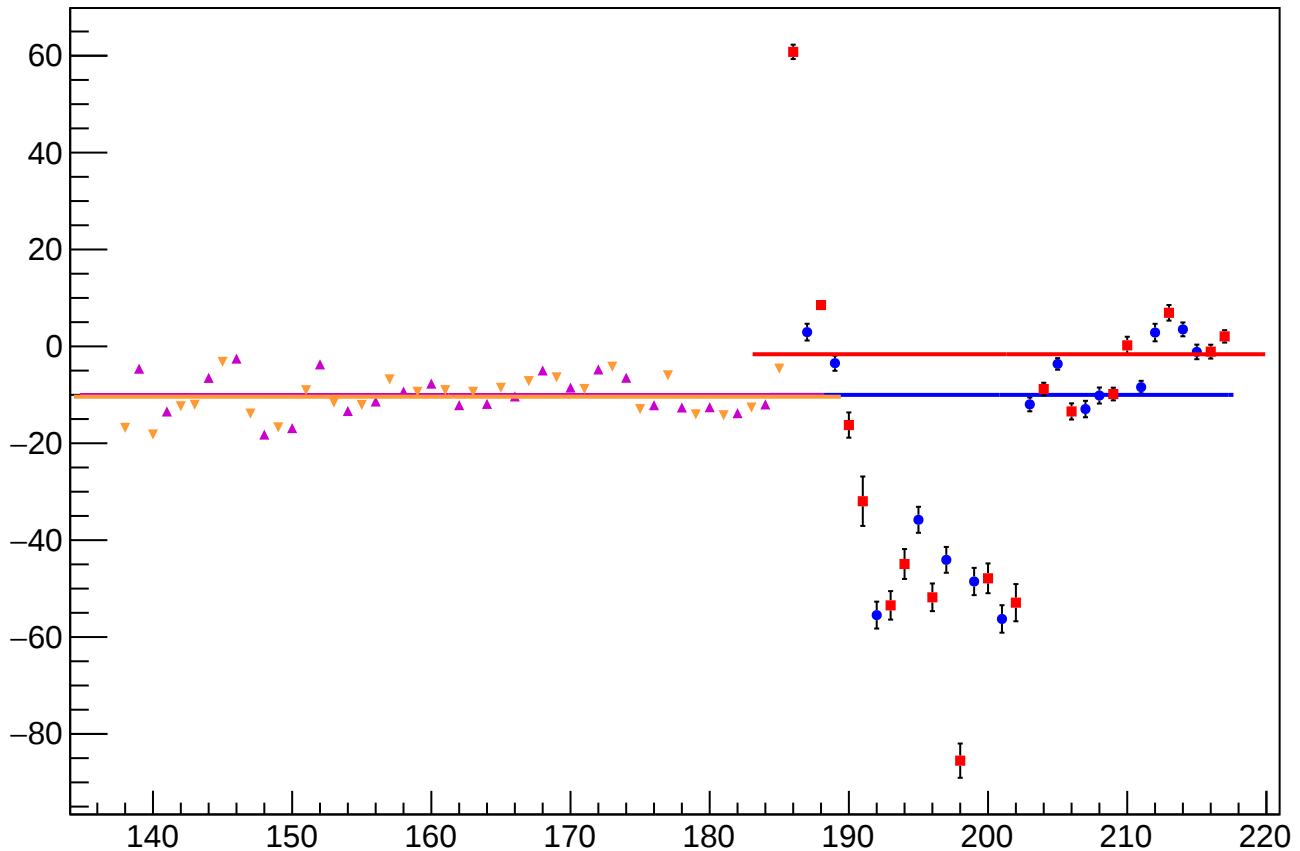
Left In: -0.119 ± 0.002 $\chi^2/\text{NDF}: 721.8/22$

+ sign -0.124 ± 0.002 $\chi^2/\text{NDF}: 1357.2/56$

All: -0.124 ± 0.001 $\chi^2/\text{NDF}: 3711.3/115$

- sign -0.123 ± 0.002 $\chi^2/\text{NDF}: 2353.9/58$

reg_asym_sam_26_avg_diff_bpm1X_slope vs Slug



Right In: -10.011 ± 0.442 χ^2/NDF : 1259.9/14

Left Out: -10.391 ± 0.088 χ^2/NDF : 2111.6/24

Right Out: -1.621 ± 0.411 χ^2/NDF : 3909.9/16

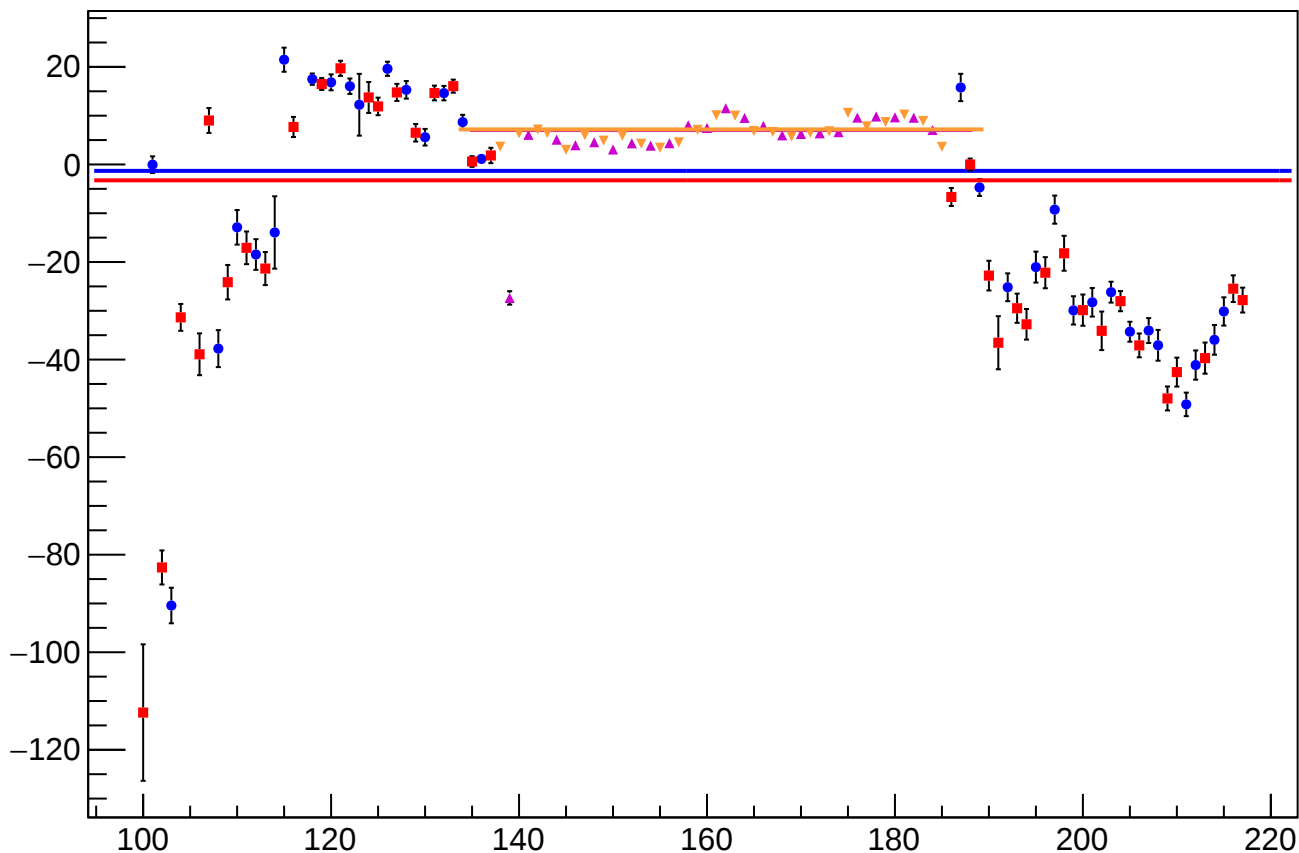
Left In: -10.036 ± 0.090 χ^2/NDF : 1758.7/22

+ sign -10.376 ± 0.086 χ^2/NDF : 3372.2/39

All: -10.021 ± 0.061 χ^2/NDF : 9475.8/79

- sign -9.654 ± 0.087 χ^2/NDF : 6069.1/39

reg_asym_sam_26_avg_diff_bpm4aY_slope vs Slug



Right In: -1.318 ± 0.347 χ^2/NDF : 3635.6/31

Left Out: 7.184 ± 0.073 χ^2/NDF : 917.3/24

Right Out: -3.255 ± 0.353 χ^2/NDF : 3539.8/35

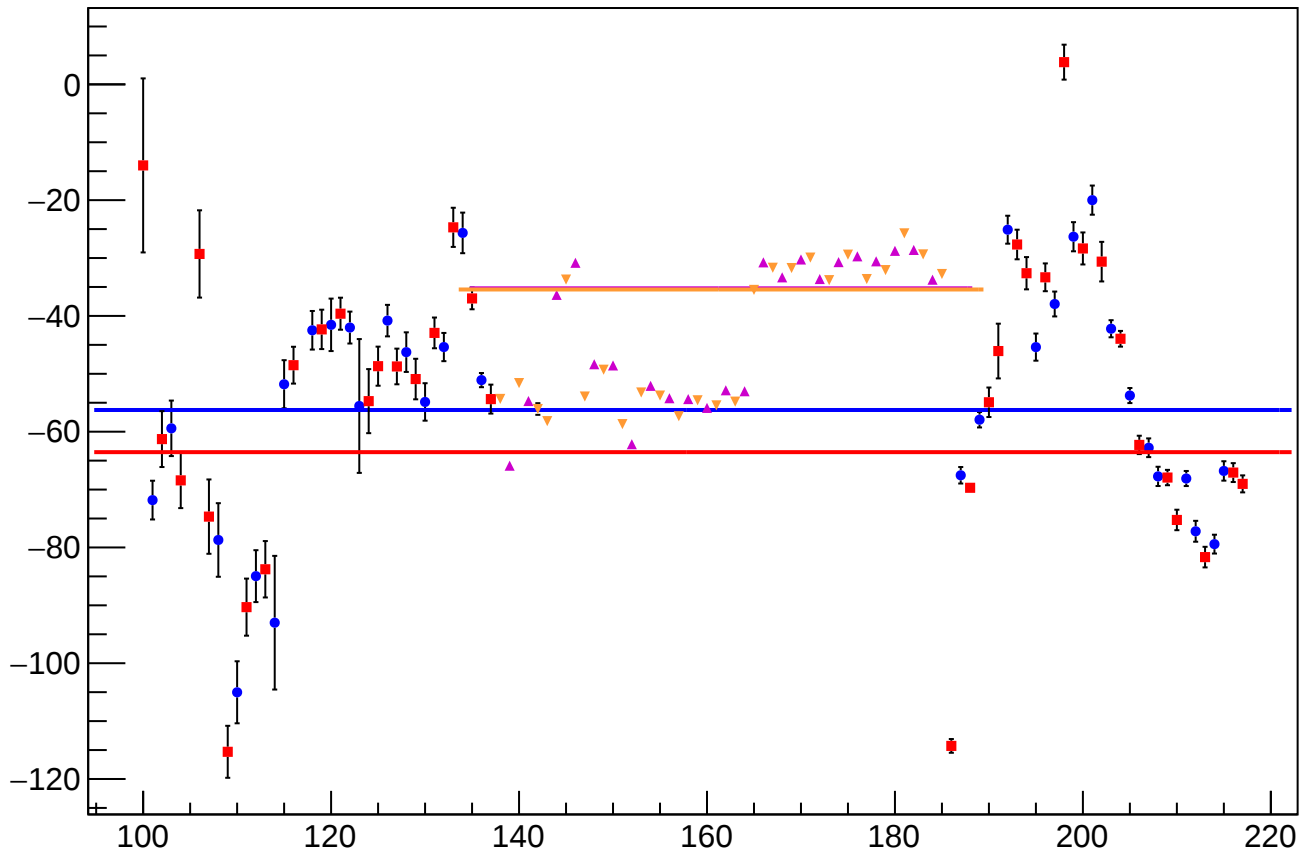
Left In: 7.053 ± 0.074 χ^2/NDF : 1535.8/22

+ sign 6.820 ± 0.072 χ^2/NDF : 5126.7/56

All: 6.719 ± 0.051 χ^2/NDF : 11021.9/115

- sign 6.617 ± 0.073 χ^2/NDF : 5891.2/58

reg_asym_sam_26_avg_diff_bpm4eX_slope vs Slug



Right In: -56.253 ± 0.373 χ^2/NDF : 1670.0/31

Left Out: -35.434 ± 0.089 χ^2/NDF : 12782.8/24

Right Out: -63.535 ± 0.347 χ^2/NDF : 4360.6/35

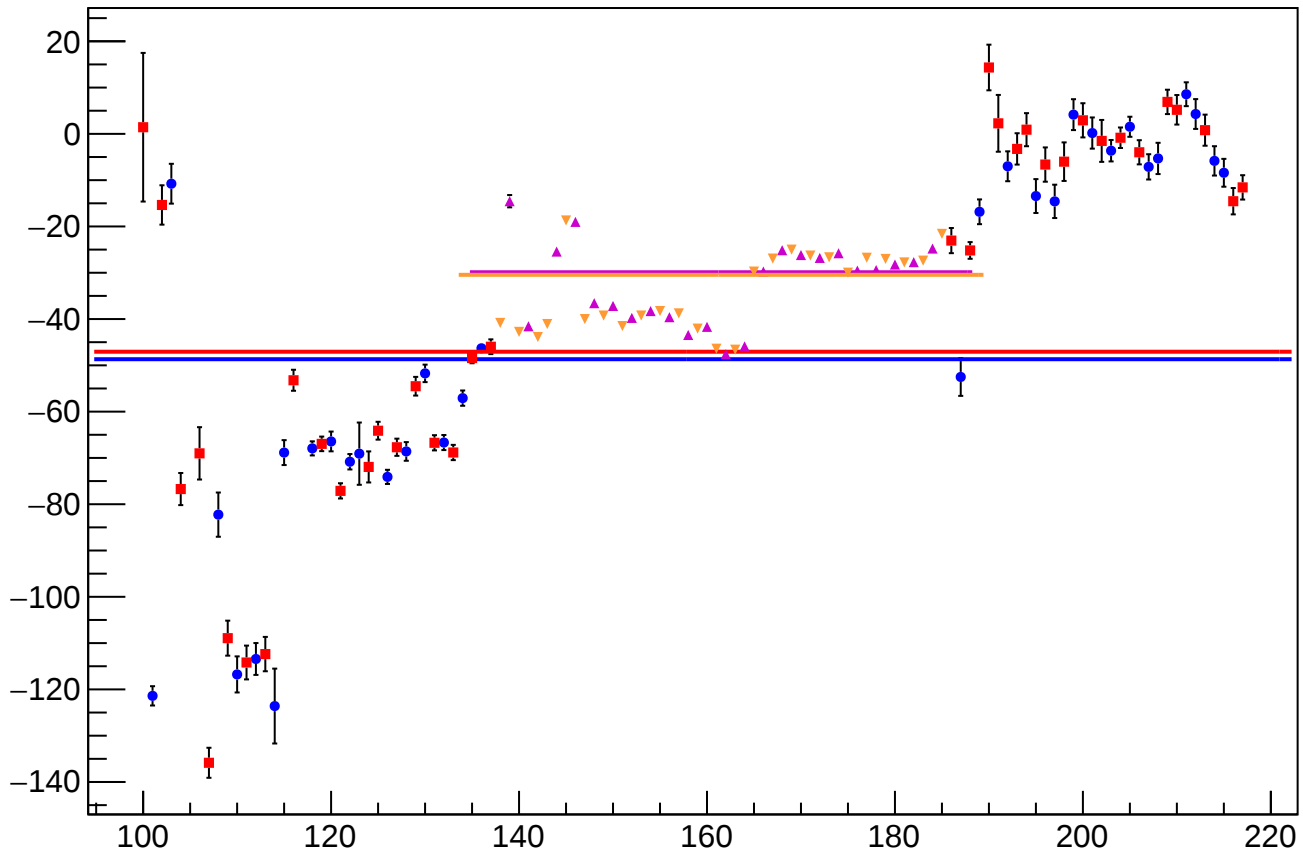
Left In: -35.229 ± 0.090 χ^2/NDF : 11602.9/22

+ sign -36.555 ± 0.087 χ^2/NDF : 17397.3/56

All: -36.786 ± 0.061 χ^2/NDF : 39618.4/115

- sign -37.020 ± 0.087 χ^2/NDF : 22206.9/58

reg_asym_sam_26_avg_diff_bpm4eY_slope vs Slug



Right In: -48.677 ± 0.388 χ^2/NDF : 6486.3/31

Left Out: -30.448 ± 0.082 χ^2/NDF : 8167.7/24

Right Out: -47.058 ± 0.403 χ^2/NDF : 6114.0/35

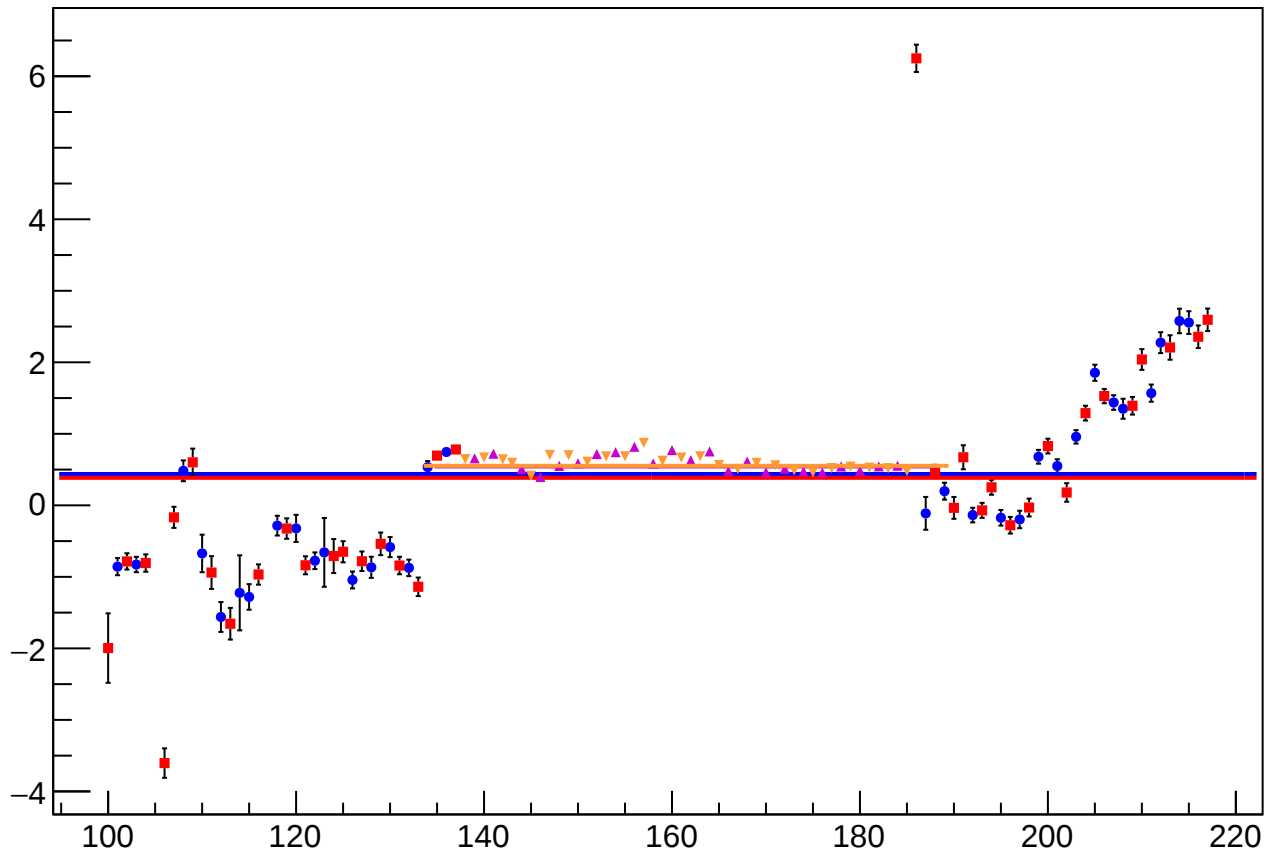
Left In: -29.892 ± 0.083 χ^2/NDF : 7115.0/22

+ sign -31.221 ± 0.080 χ^2/NDF : 16773.2/56

All: -30.906 ± 0.057 χ^2/NDF : 31773.1/115

- sign -30.583 ± 0.081 χ^2/NDF : 14968.4/58

reg_asym_sam_26_avg_diff_bpm12X_slope vs Slug



Right In: 0.438 $\pm$ 0.019 χ^2 /NDF: 2140.9/31

Left Out: 0.553 $\pm$ 0.004 χ^2 /NDF: 542.1/24

Right Out: 0.385 $\pm$ 0.020 χ^2 /NDF: 3351.1/35

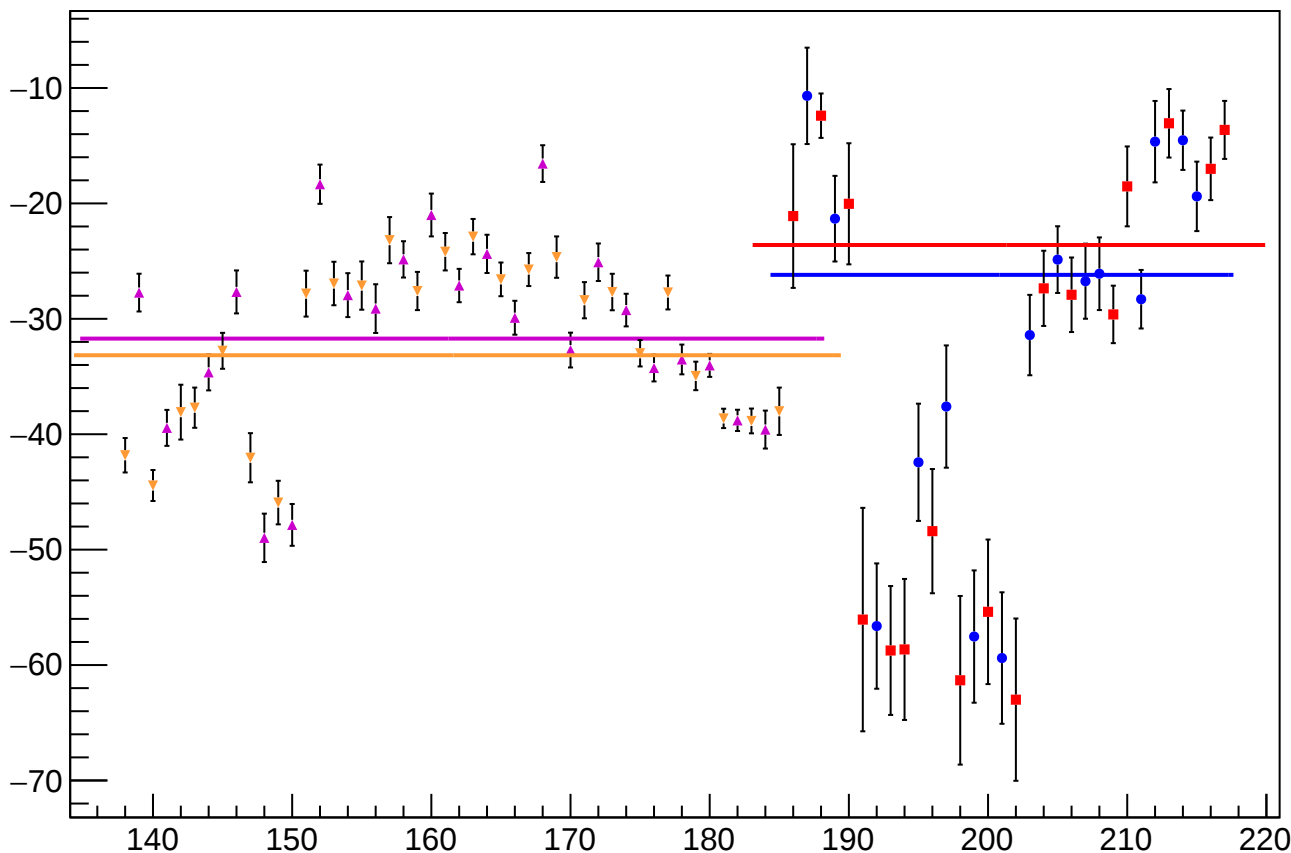
Left In: 0.544 $\pm$ 0.004 χ^2 /NDF: 655.9/22

+ sign 0.549 $\pm$ 0.004 χ^2 /NDF: 2718.6/56

All: 0.543 $\pm$ 0.003 χ^2 /NDF: 6792.1/115

- sign 0.538 $\pm$ 0.004 χ^2 /NDF: 4069.5/58

reg_asym_sam_26_dd_diff_bpm1X_slope vs Slug



Right In: -26.192 ± 0.915 χ^2/NDF : 165.2/14

Left Out: -33.157 ± 0.300 χ^2/NDF : 500.1/24

Right Out: -23.604 ± 0.863 χ^2/NDF : 268.7/16

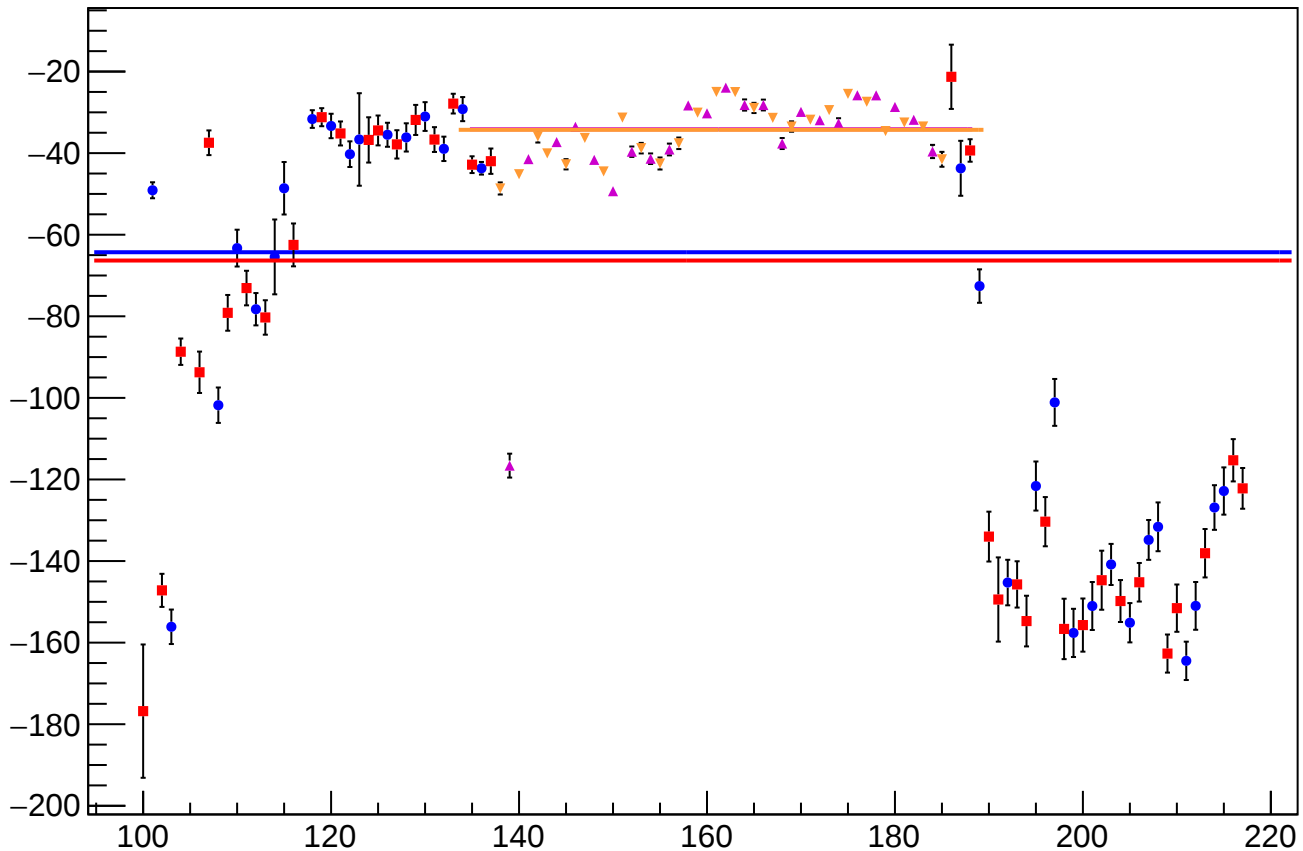
Left In: -31.714 ± 0.309 χ^2/NDF : 542.3/22

+ sign -32.480 ± 0.285 χ^2/NDF : 717.7/39

All: -31.653 ± 0.204 χ^2/NDF : 1624.1/79

- sign -30.793 ± 0.291 χ^2/NDF : 889.3/39

reg_asym_sam_26_dd_diff_bpm4aY_slope vs Slug



Right In: -64.293 ± 0.646 $\chi^2/\text{NDF}: 4313.8/31$

Left Out: -34.287 ± 0.241 $\chi^2/\text{NDF}: 695.3/24$

Right Out: -66.327 ± 0.659 $\chi^2/\text{NDF}: 4622.2/35$

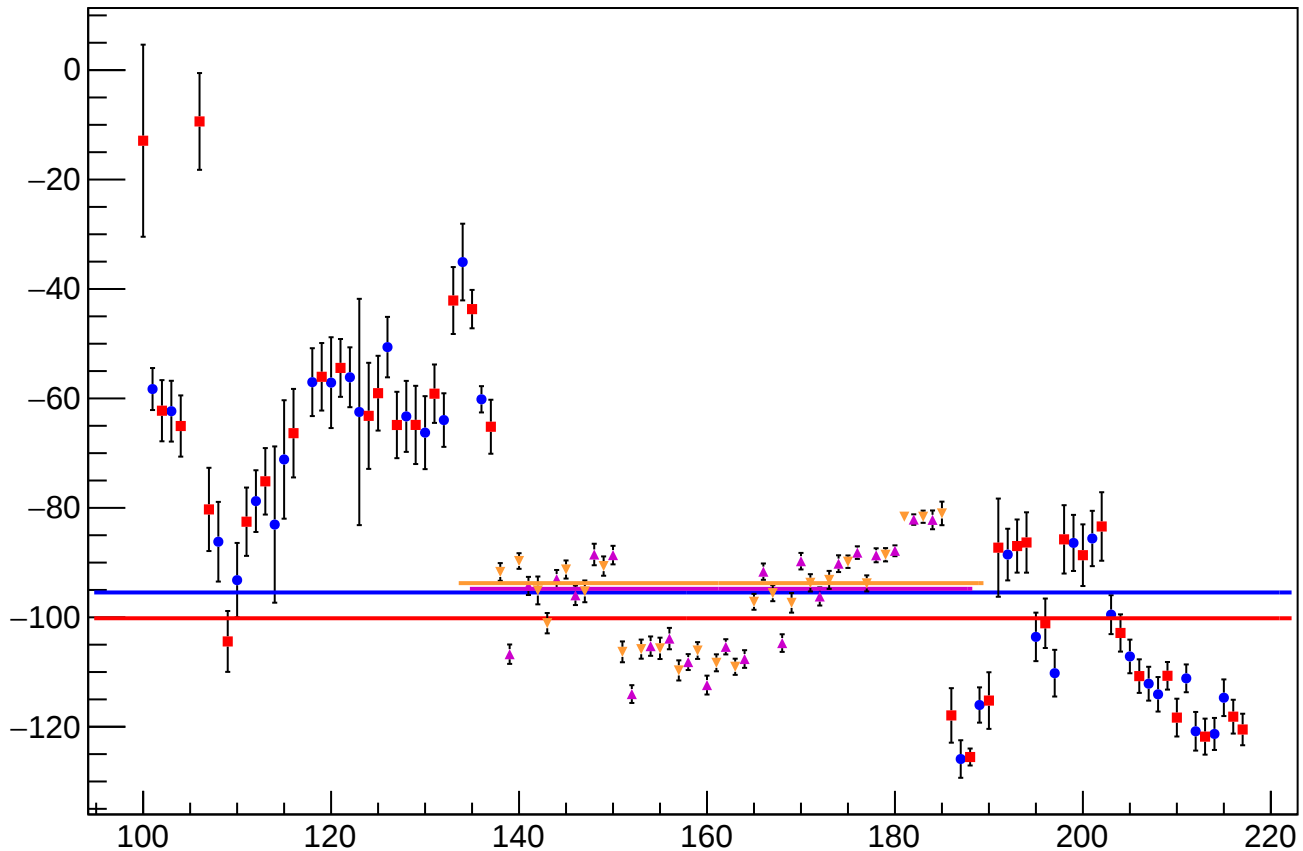
Left In: -34.145 ± 0.251 $\chi^2/\text{NDF}: 1452.6/22$

+ sign -37.961 ± 0.226 $\chi^2/\text{NDF}: 6899.8/56$

All: -38.086 ± 0.163 $\chi^2/\text{NDF}: 15059.7/115$

- sign -38.219 ± 0.234 $\chi^2/\text{NDF}: 8159.2/58$

reg_asym_sam_26_dd_diff_bpm4eX_slope vs Slug



Right In: -95.459 ± 0.742 $\chi^2/\text{NDF}: 1125.2/31$

Left Out: -93.754 ± 0.302 $\chi^2/\text{NDF}: 883.1/24$

Right Out: -100.174 ± 0.710 $\chi^2/\text{NDF}: 1465.2/35$

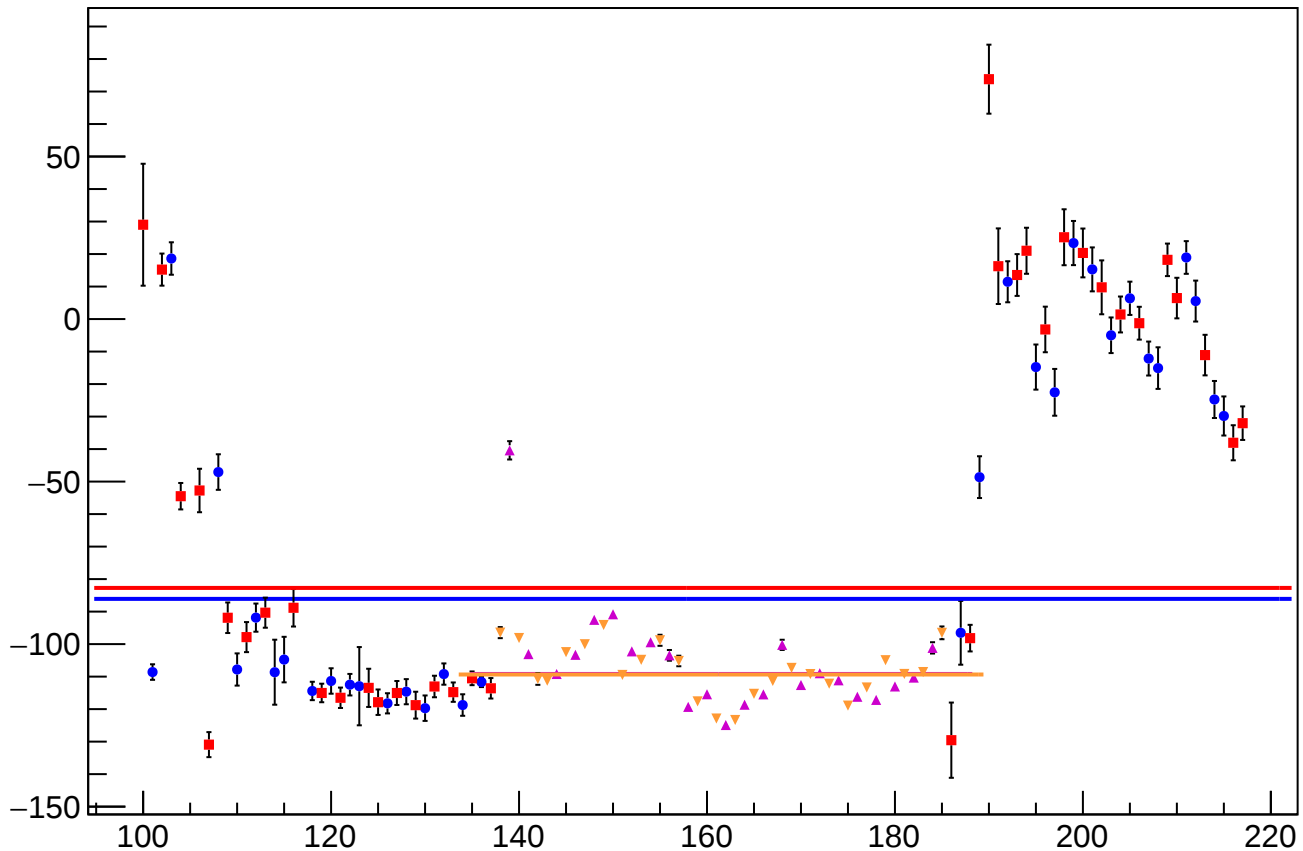
Left In: -94.796 ± 0.308 $\chi^2/\text{NDF}: 974.7/22$

+ sign -93.996 ± 0.280 $\chi^2/\text{NDF}: 2012.8/56$

All: -94.813 ± 0.199 $\chi^2/\text{NDF}: 4518.4/115$

- sign -95.651 ± 0.283 $\chi^2/\text{NDF}: 2488.2/58$

reg_asym_sam_26_dd_diff_bpm4eY_slope vs Slug



Right In: -86.085 +/- 0.727 χ^2/NDF : 4137.8/31

Left Out: -109.351 +/- 0.271 χ^2/NDF : 826.8/24

Right Out: -82.713 +/- 0.751 χ^2/NDF : 4405.7/35

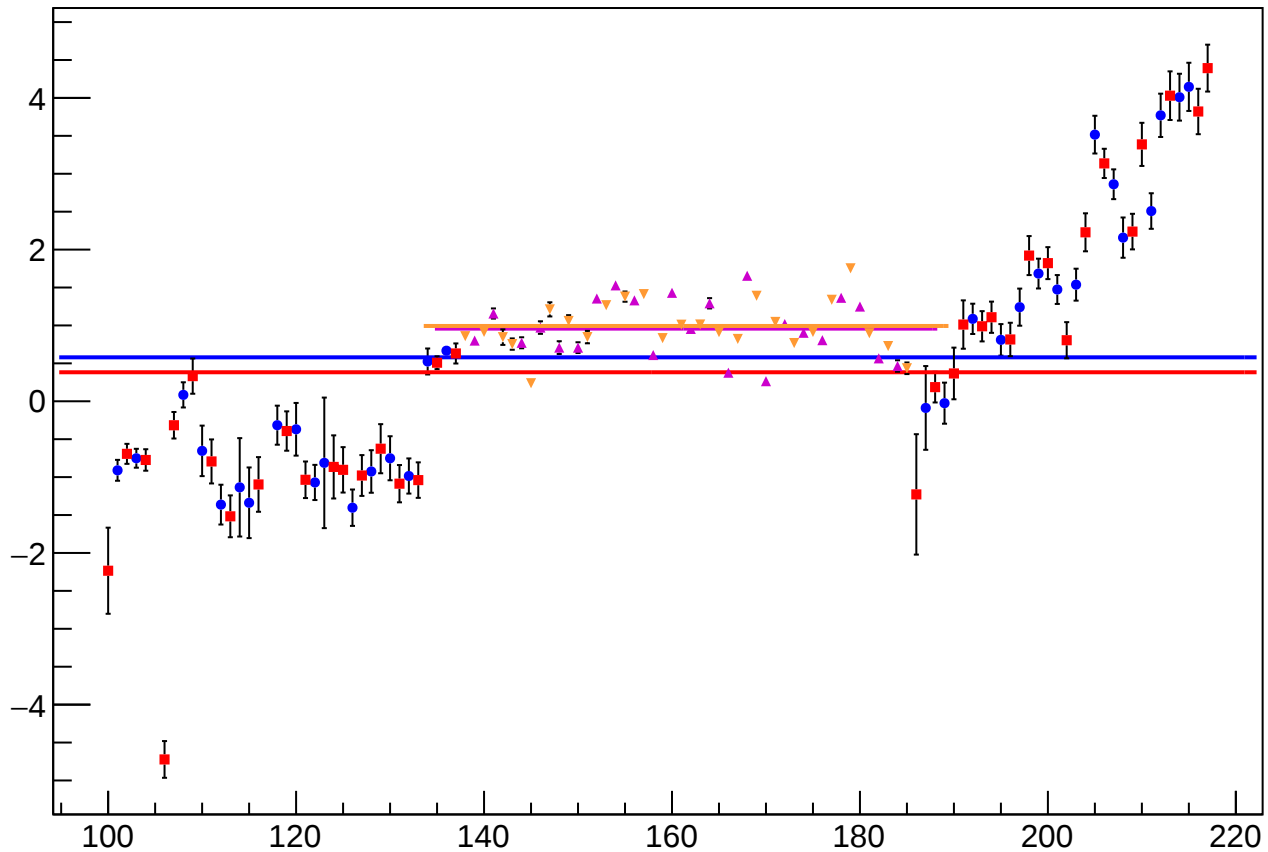
Left In: -109.184 +/- 0.280 χ^2/NDF : 1501.1/22

+ sign -106.508 +/- 0.254 χ^2/NDF : 5863.9/56

All: -106.240 +/- 0.183 χ^2/NDF : 12863.8/115

- sign -105.956 +/- 0.262 χ^2/NDF : 6997.6/58

reg_asym_sam_26_dd_diff_bpm12X_slope vs Slug



Right In: 0.579 ± 0.035 χ^2/NDF : 1418.2/31

Left Out: 0.993 ± 0.012 χ^2/NDF : 638.6/24

Right Out: 0.382 ± 0.036 χ^2/NDF : 1861.9/35

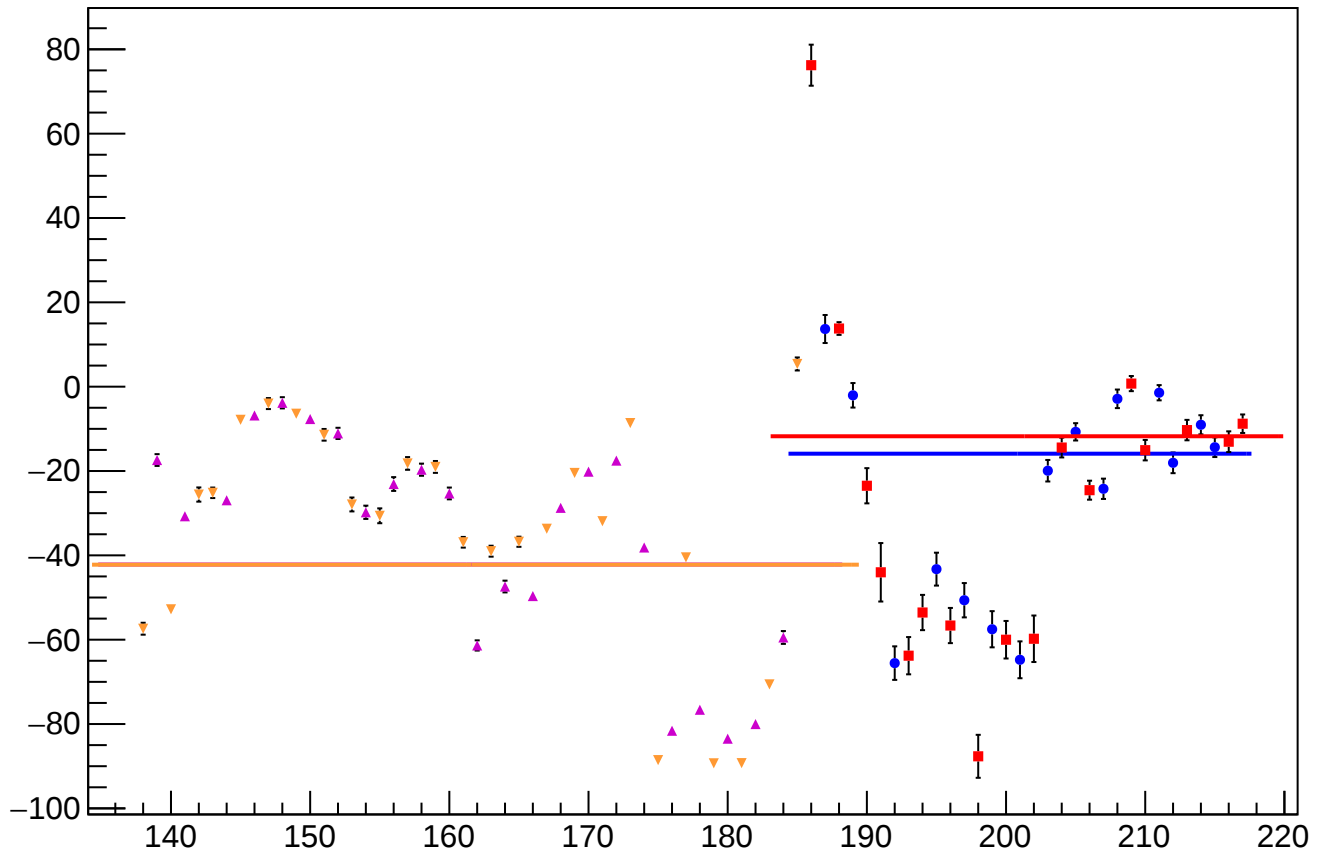
Left In: 0.958 ± 0.013 χ^2/NDF : 894.5/22

+ sign 0.946 ± 0.012 χ^2/NDF : 2181.9/56

All: 0.920 ± 0.008 χ^2/NDF : 5180.3/115

- sign 0.893 ± 0.012 χ^2/NDF : 2988.3/58

reg_asym_sam_48_avg_diff_bpm1X_slope vs Slug



Right In: -15.893 ± 0.686 $\chi^2/\text{NDF}: 729.2/14$

Left Out: -42.213 ± 0.222 $\chi^2/\text{NDF}: 18309.1/24$

Right Out: -11.760 ± 0.667 $\chi^2/\text{NDF}: 1499.4/16$

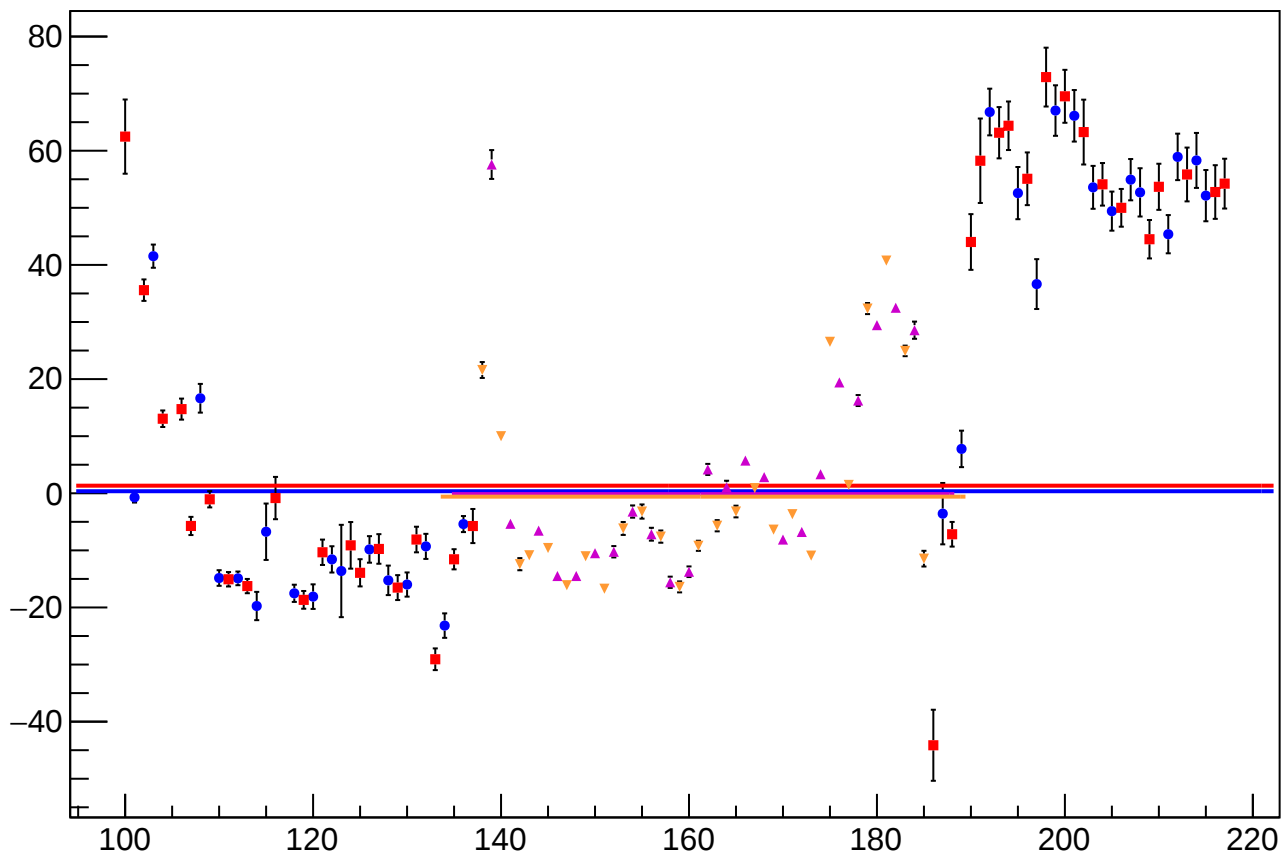
Left In: -42.176 ± 0.227 $\chi^2/\text{NDF}: 14575.9/22$

+ sign -39.717 ± 0.211 $\chi^2/\text{NDF}: 20370.9/39$

All: -39.371 ± 0.151 $\chi^2/\text{NDF}: 38317.5/79$

- sign -39.013 ± 0.215 $\chi^2/\text{NDF}: 17941.1/39$

reg_asym_sam_48_avg_diff_bpm4aY_slope vs Slug



Right In: 0.360 ± 0.398 $\chi^2/\text{NDF}: 3684.6/31$

Left Out: -0.590 ± 0.174 $\chi^2/\text{NDF}: 8750.9/24$

Right Out: 1.331 ± 0.394 $\chi^2/\text{NDF}: 4014.3/35$

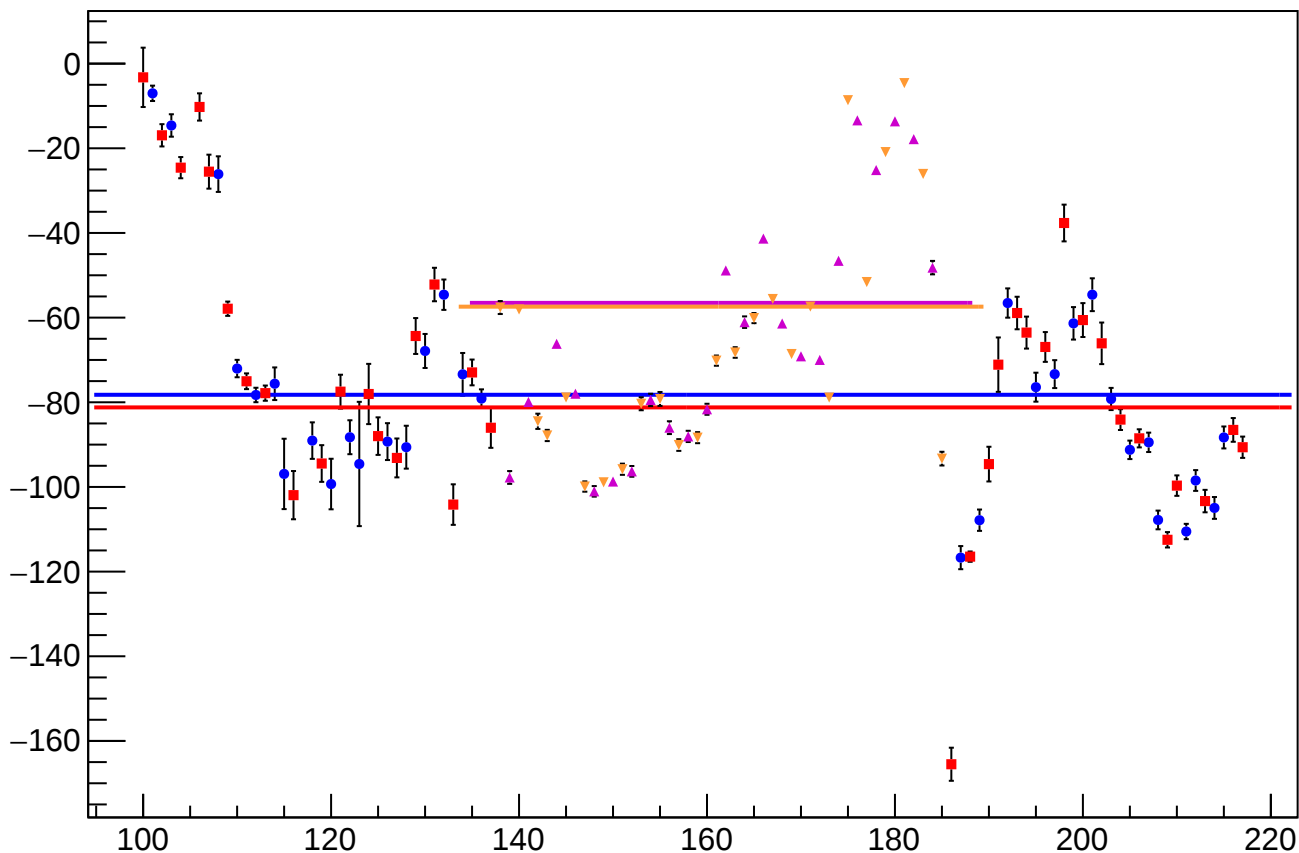
Left In: -0.142 ± 0.179 $\chi^2/\text{NDF}: 6862.5/22$

+ sign -0.437 ± 0.160 $\chi^2/\text{NDF}: 12440.3/56$

All: -0.169 ± 0.114 $\chi^2/\text{NDF}: 23334.4/115$

- sign 0.111 ± 0.163 $\chi^2/\text{NDF}: 10888.4/58$

reg_asym_sam_48_avg_diff_bpm4eX_slope vs Slug



Right In: -78.230 ± 0.500 $\chi^2/\text{NDF}: 3554.1/31$

Left Out: -57.413 ± 0.223 $\chi^2/\text{NDF}: 18604.1/24$

Right Out: -81.211 ± 0.472 $\chi^2/\text{NDF}: 4227.8/35$

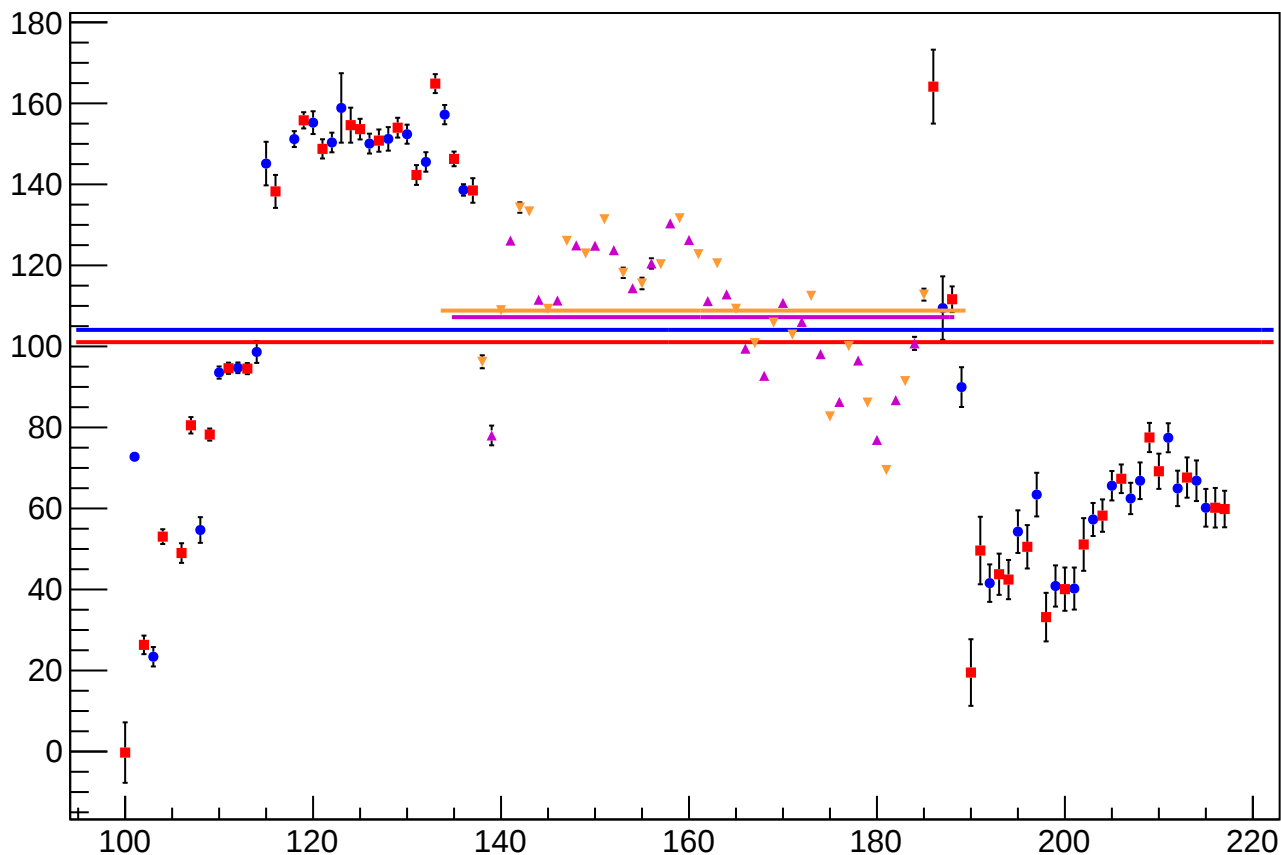
Left In: -56.519 ± 0.227 $\chi^2/\text{NDF}: 16352.6/22$

+ sign -60.872 ± 0.204 $\chi^2/\text{NDF}: 23603.5/56$

All: -61.018 ± 0.144 $\chi^2/\text{NDF}: 46410.4/115$

- sign -61.165 ± 0.205 $\chi^2/\text{NDF}: 22805.8/58$

reg_asym_sam_48_avg_diff_bpm4eY_slope vs Slug



Right In: 104.084 $\pm$ 0.452 χ^2 /NDF: 7421.9/31

Left Out: 108.846 $\pm$ 0.197 χ^2 /NDF: 7400.2/24

Right Out: 101.055 $\pm$ 0.450 χ^2 /NDF: 8577.3/35

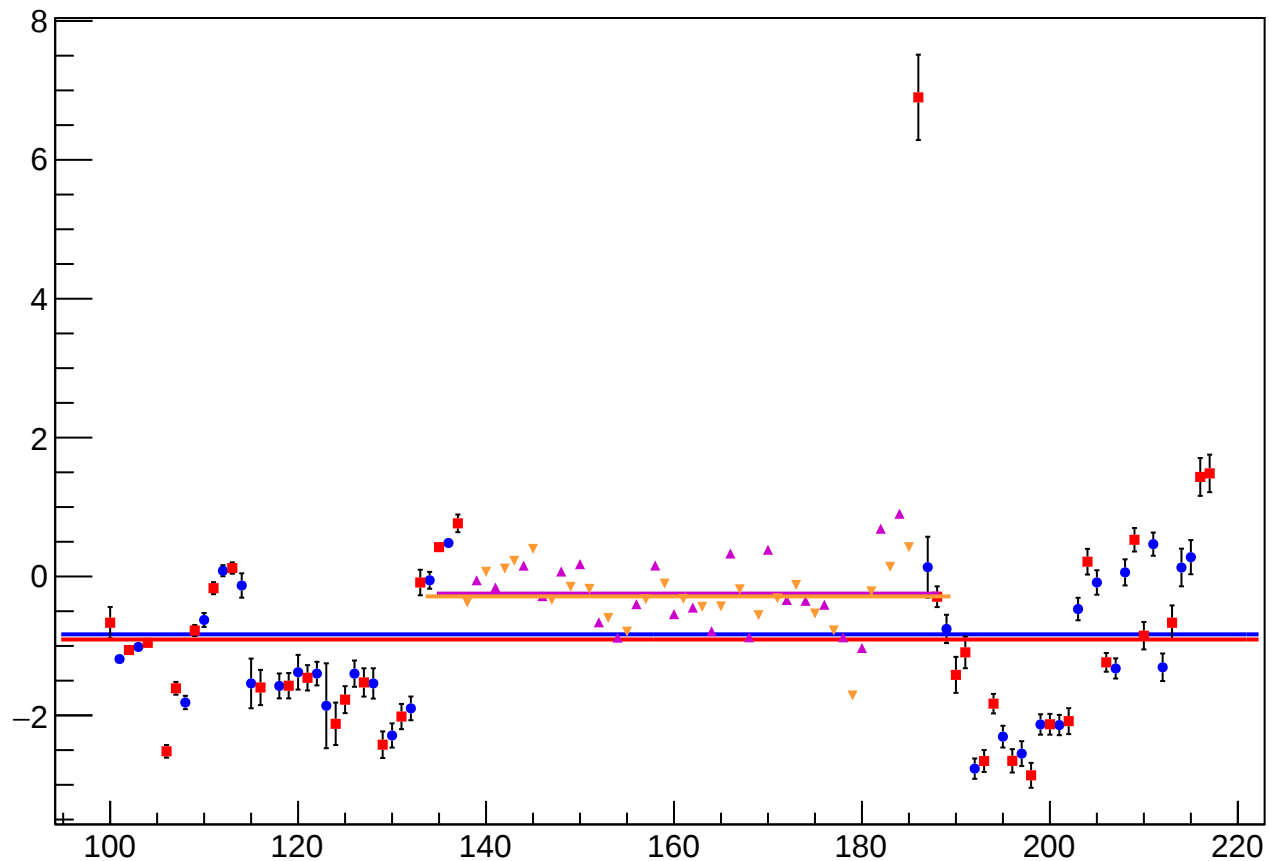
Left In: 107.225 $\pm$ 0.202 χ^2 /NDF: 5565.3/22

+ sign 108.085 $\pm$ 0.181 χ^2 /NDF: 14915.2/56

All: 107.155 $\pm$ 0.129 χ^2 /NDF: 29268.2/115

- sign 106.186 $\pm$ 0.185 χ^2 /NDF: 14299.0/58

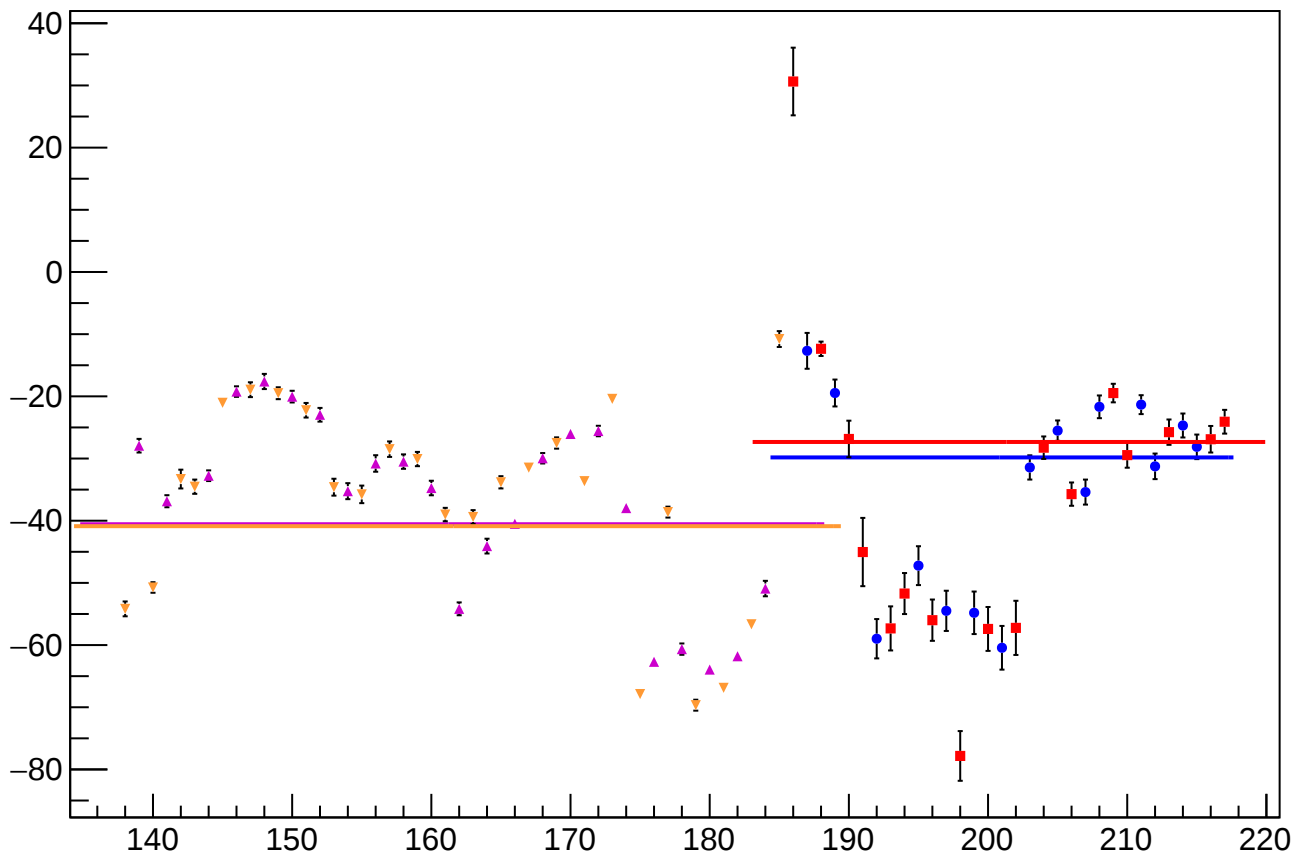
reg_asym_sam_48_avg_diff_bpm12X_slope vs Slug



Right In: -0.833 ± 0.023 χ^2/NDF : 1692.8/31
 Left Out: -0.287 ± 0.009 χ^2/NDF : 2052.9/24
 Right Out: -0.907 ± 0.021 χ^2/NDF : 2266.3/35
 Left In: -0.247 ± 0.009 χ^2/NDF : 2792.8/22

+ sign -0.363 ± 0.008 χ^2/NDF : 4252.6/56
 All: -0.357 ± 0.006 χ^2/NDF : 10115.4/115
 - sign -0.351 ± 0.008 χ^2/NDF : 5861.7/58

reg_asym_sam_48_dd_diff_bpm1X_slope vs Slug



Right In: -29.822 ± 0.561 χ^2/NDF : 436.5/14

Left Out: -40.880 ± 0.186 χ^2/NDF : 9123.2/24

Right Out: -27.336 ± 0.542 χ^2/NDF : 824.9/16

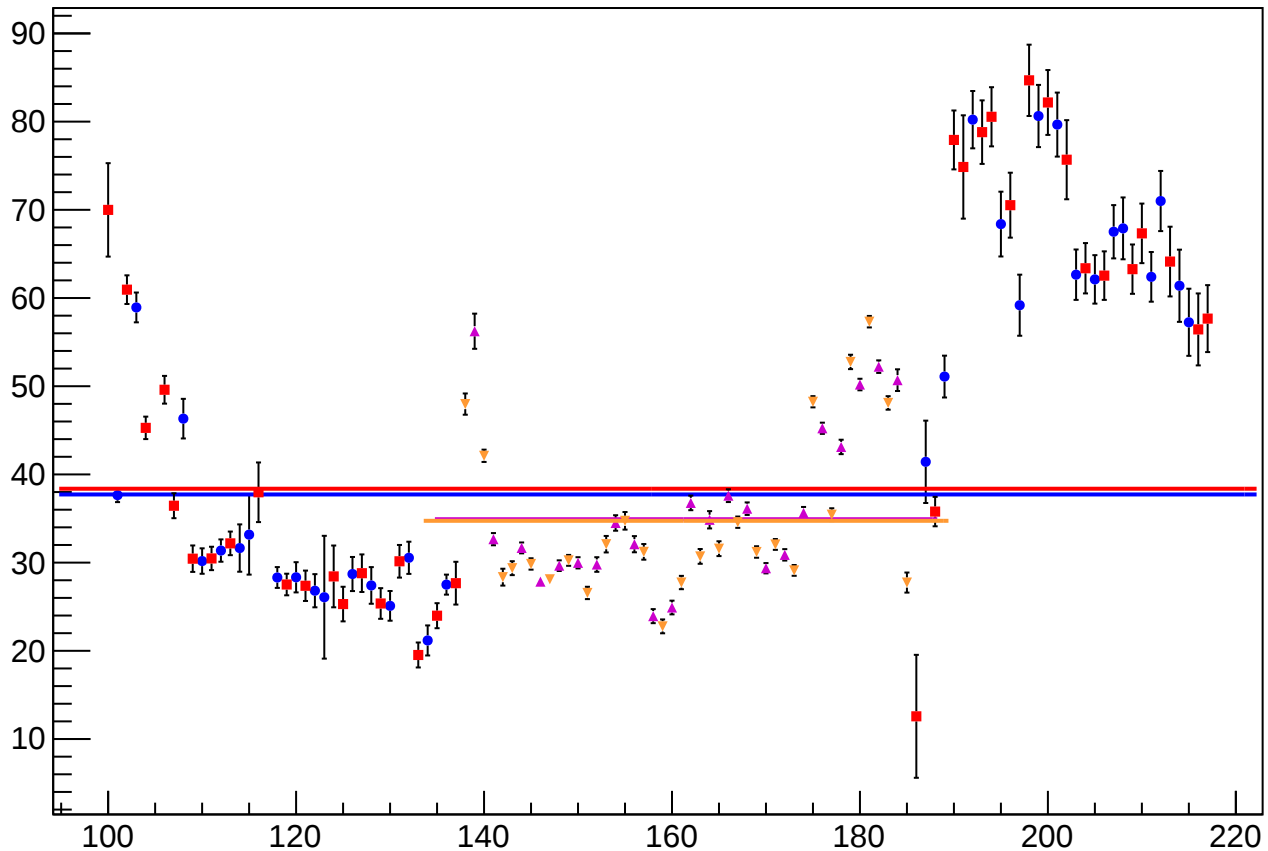
Left In: -40.567 ± 0.190 χ^2/NDF : 6954.7/22

+ sign -39.783 ± 0.177 χ^2/NDF : 9909.6/39

All: -39.456 ± 0.126 χ^2/NDF : 18227.6/79

- sign -39.119 ± 0.179 χ^2/NDF : 8311.0/39

reg_asym_sam_48_dd_diff_bpm4aY_slope vs Slug



Right In: 37.728 $\pm$ 0.343 χ^2 /NDF: 1805.3/31

Left Out: 34.741 $\pm$ 0.147 χ^2 /NDF: 3693.2/24

Right Out: 38.378 $\pm$ 0.342 χ^2 /NDF: 2255.6/35

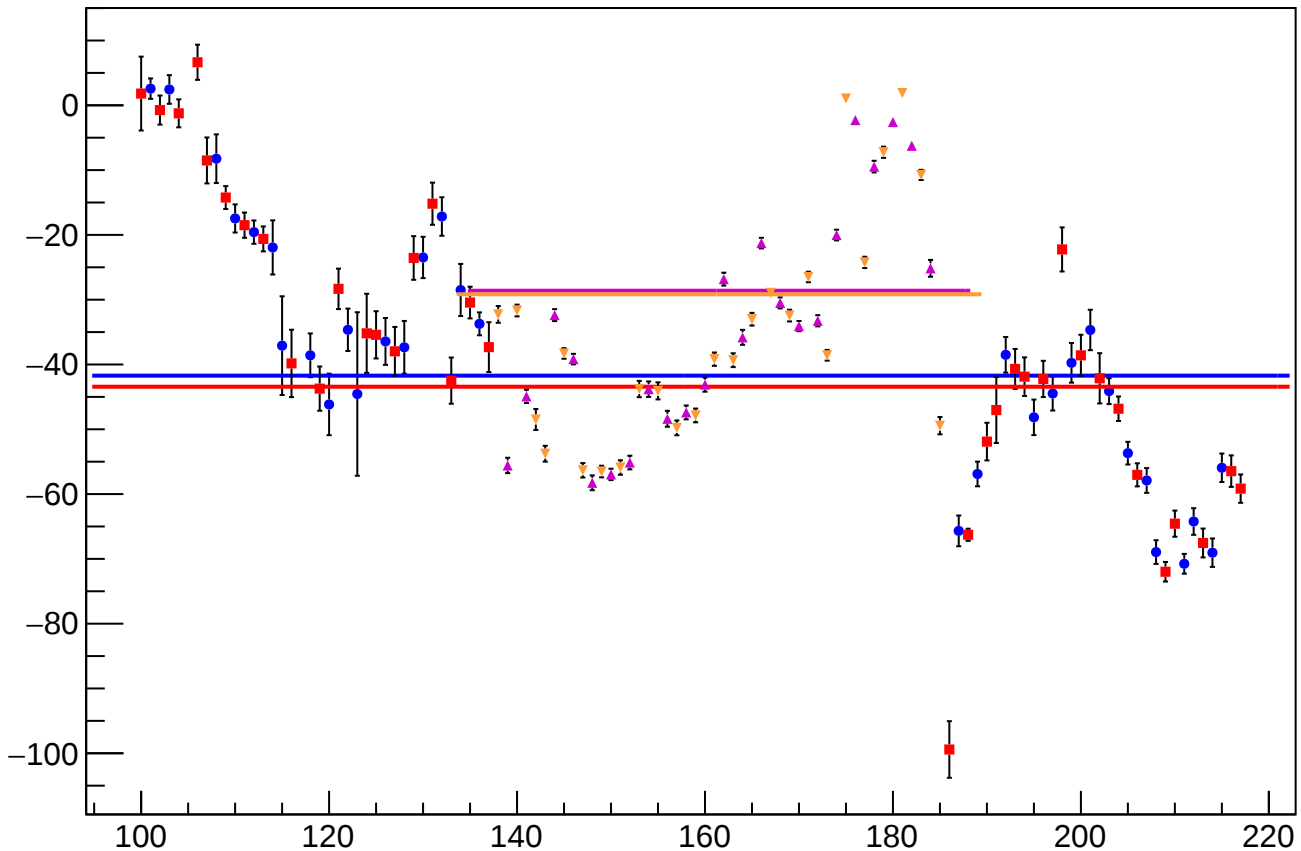
Left In: 34.922 $\pm$ 0.152 χ^2 /NDF: 2672.9/22

+ sign 35.206 $\pm$ 0.135 χ^2 /NDF: 5562.4/56

All: 35.344 $\pm$ 0.097 χ^2 /NDF: 10578.3/115

- sign 35.489 $\pm$ 0.139 χ^2 /NDF: 5013.8/58

reg_asym_sam_48_dd_diff_bpm4eX_slope vs Slug



Right In: -41.724 ± 0.425 $\chi^2/\text{NDF}: 2912.3/31$

Left Out: -29.163 ± 0.187 $\chi^2/\text{NDF}: 10126.0/24$

Right Out: -43.430 ± 0.401 $\chi^2/\text{NDF}: 3535.0/35$

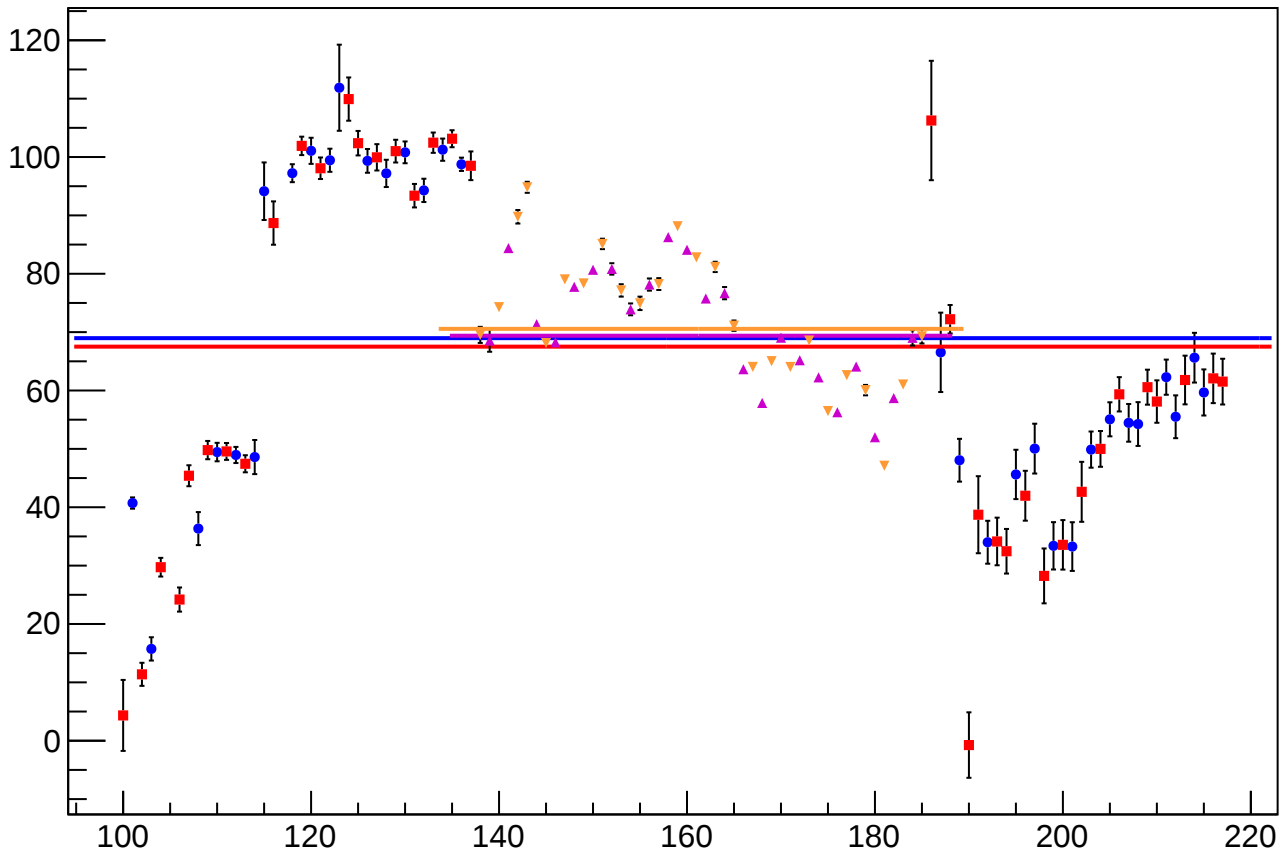
Left In: -28.616 ± 0.190 $\chi^2/\text{NDF}: 9040.9/22$

+ sign -31.203 ± 0.171 $\chi^2/\text{NDF}: 13770.8/56$

All: -31.265 ± 0.121 $\chi^2/\text{NDF}: 27461.9/115$

- sign -31.328 ± 0.172 $\chi^2/\text{NDF}: 13690.8/58$

reg_asym_sam_48_dd_diff_bpm4eY_slope vs Slug



Right In: 68.970 ± 0.391 χ^2/NDF : 5185.4/31

Left Out: 70.563 ± 0.166 χ^2/NDF : 4589.1/24

Right Out: 67.516 ± 0.394 χ^2/NDF : 6139.3/35

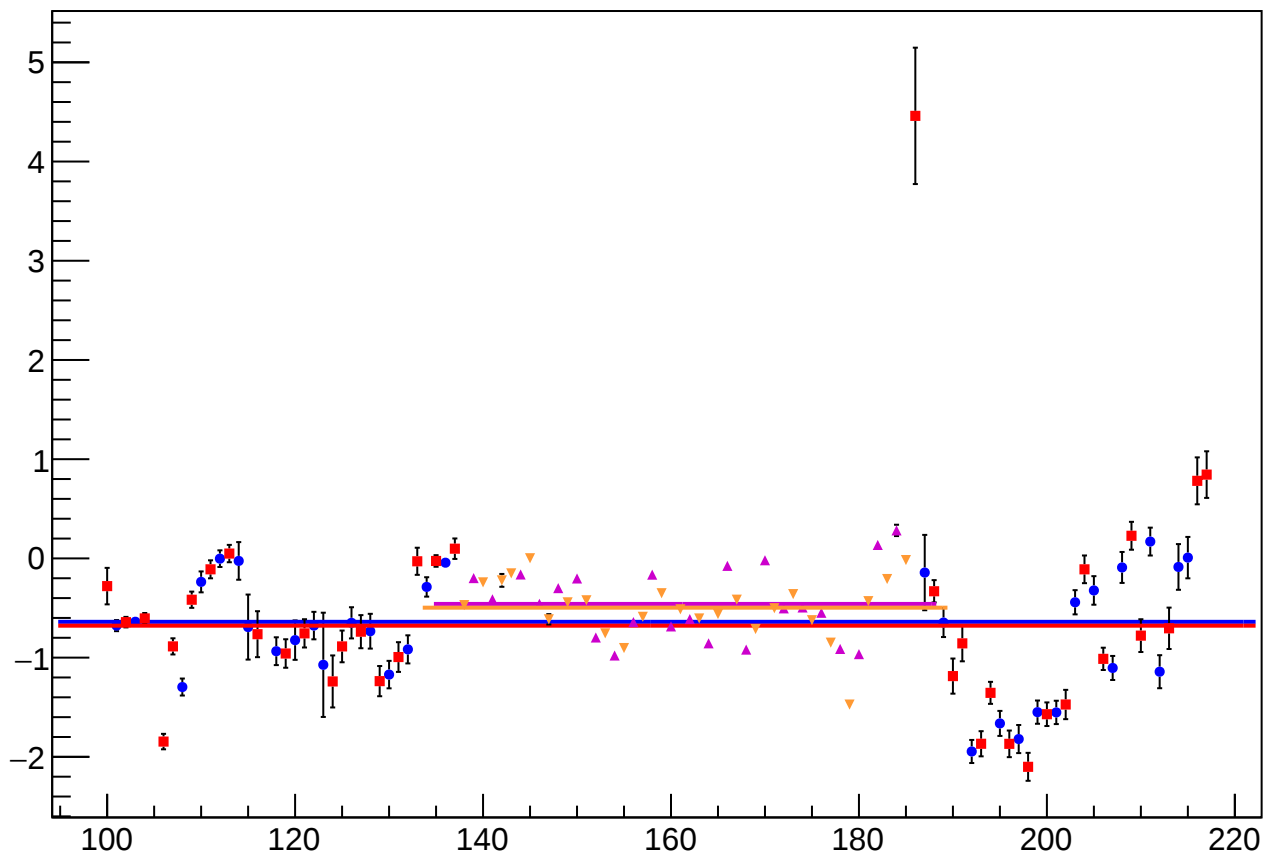
Left In: 69.387 ± 0.170 χ^2/NDF : 3321.8/22

+ sign 70.319 ± 0.153 χ^2/NDF : 9788.5/56

All: 69.719 ± 0.109 χ^2/NDF : 19300.2/115

- sign 69.092 ± 0.156 χ^2/NDF : 9480.2/58

reg_asym_sam_48_dd_diff_bpm12X_slope vs Slug



Right In: -0.639 ± 0.019 χ^2/NDF : 818.1/31

Left Out: -0.497 ± 0.008 χ^2/NDF : 1449.3/24

Right Out: -0.678 ± 0.018 χ^2/NDF : 1203.0/35

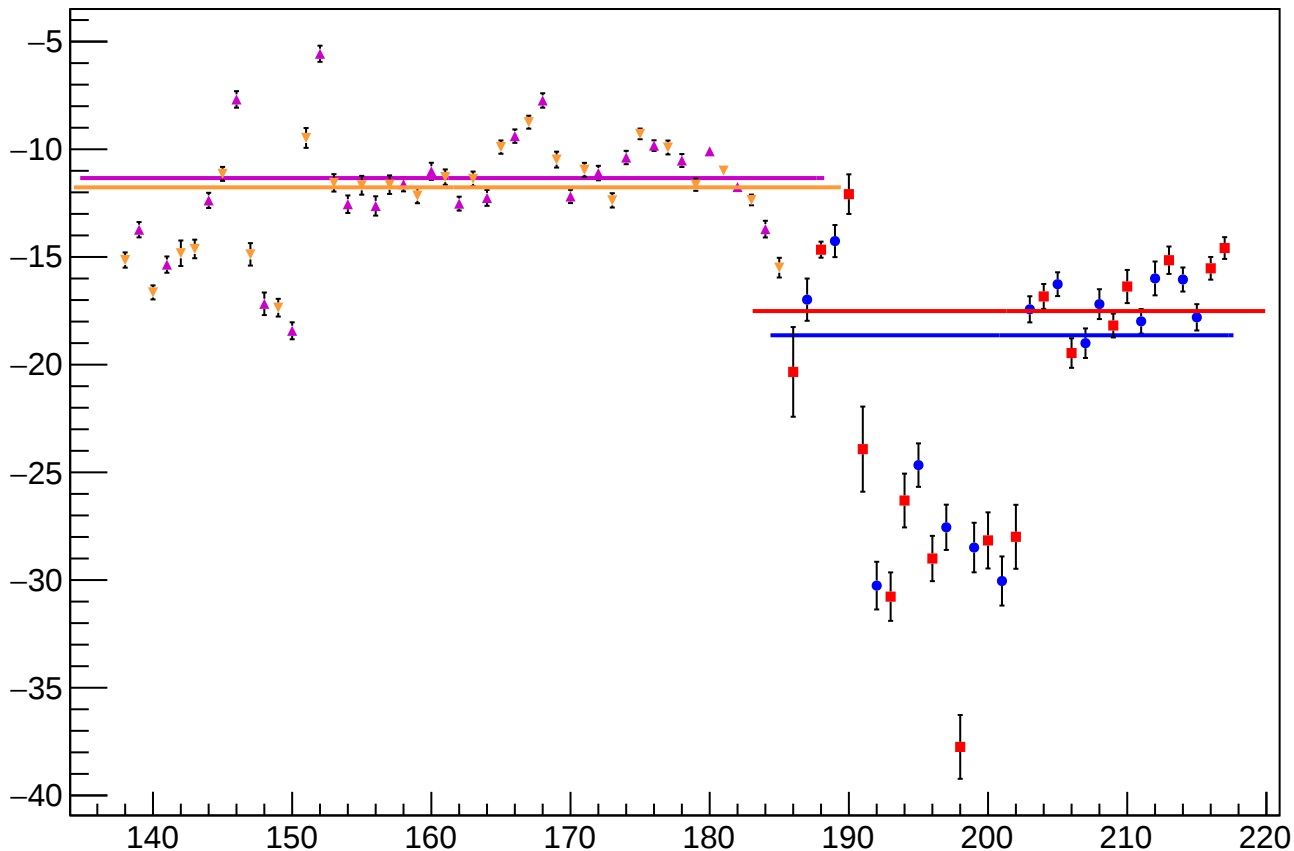
Left In: -0.459 ± 0.008 χ^2/NDF : 1958.4/22

+ sign -0.516 ± 0.007 χ^2/NDF : 2315.4/56

All: -0.504 ± 0.005 χ^2/NDF : 5603.7/115

- sign -0.492 ± 0.007 χ^2/NDF : 3282.4/58

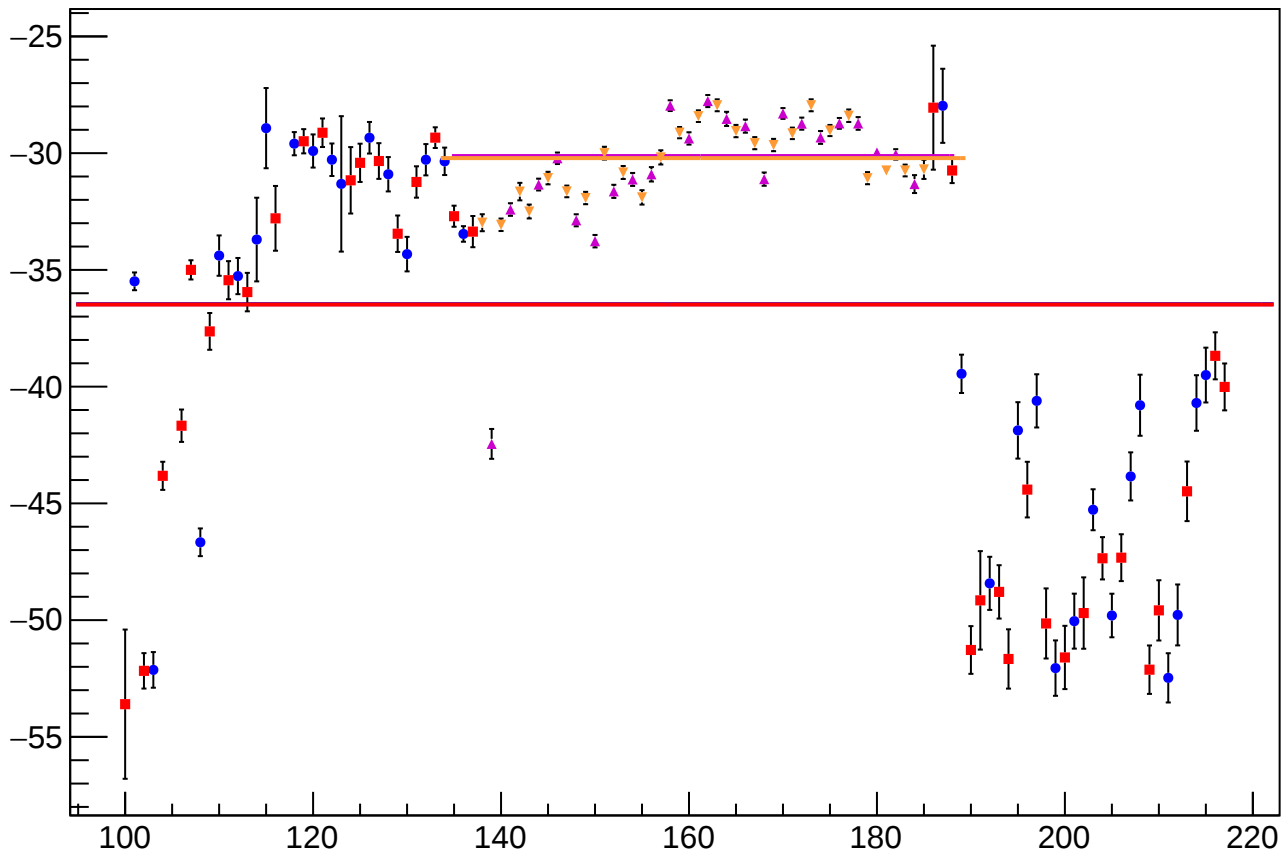
reg_asym_sam_13_57_dd_diff_bpm1X_slope vs Slug



Right In: -18.636 ± 0.189 χ^2/NDF : 491.7/14
 Left Out: -11.767 ± 0.067 χ^2/NDF : 1020.8/24
 Right Out: -17.511 ± 0.175 χ^2/NDF : 791.7/16
 Left In: -11.336 ± 0.068 χ^2/NDF : 1269.3/22

+ sign -12.524 ± 0.063 χ^2/NDF : 2682.9/39
 All: -12.338 ± 0.045 χ^2/NDF : 5846.8/79
 - sign -12.149 ± 0.063 χ^2/NDF : 3146.3/39

reg_asym_sam_13_57_dd_diff_bpm4aY_slope vs Slug



Right In: -36.468 ± 0.134 $\chi^2/\text{NDF}: 2775.0/31$

Left Out: -30.212 ± 0.054 $\chi^2/\text{NDF}: 734.0/24$

Right Out: -36.482 ± 0.131 $\chi^2/\text{NDF}: 3174.4/35$

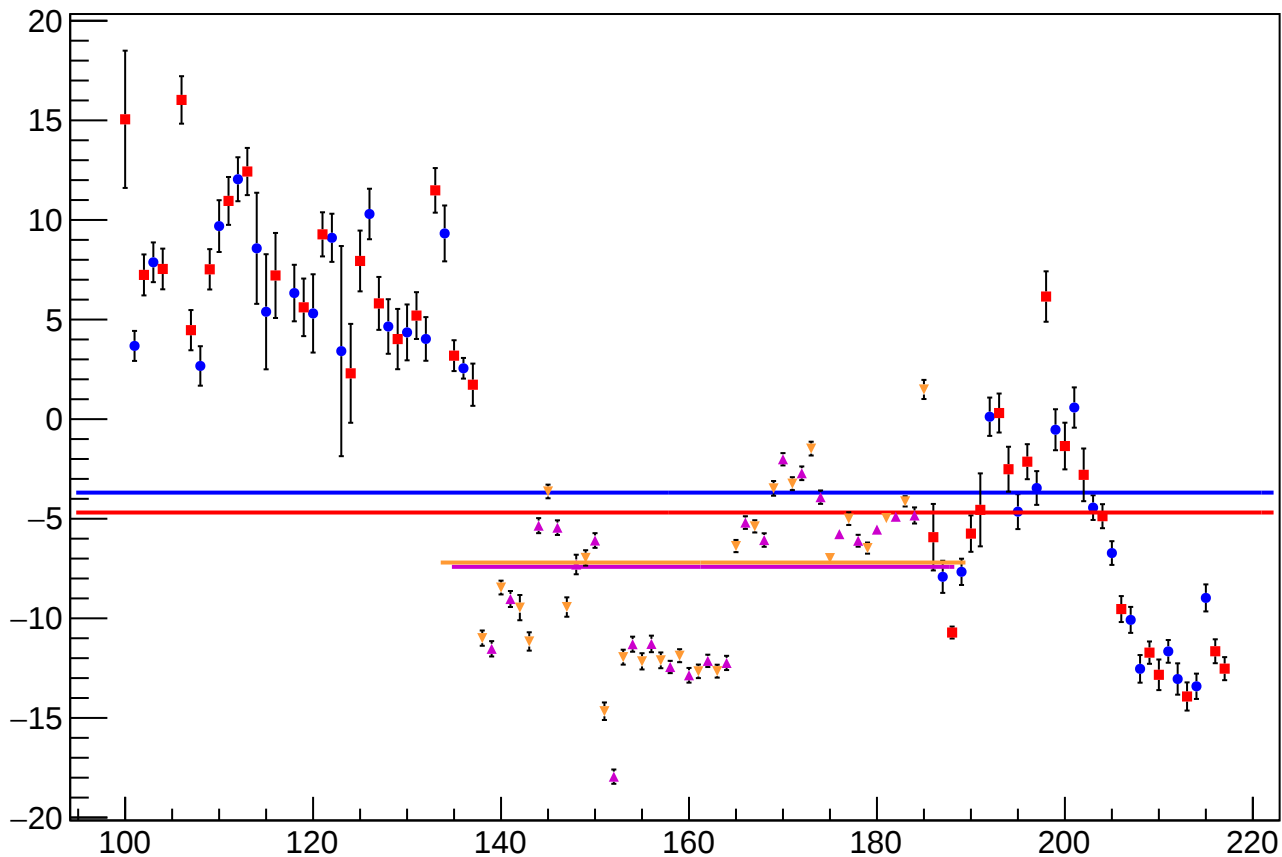
Left In: -30.124 ± 0.056 $\chi^2/\text{NDF}: 1226.2/22$

+ sign -31.083 ± 0.050 $\chi^2/\text{NDF}: 5386.9/56$

All: -31.088 ± 0.036 $\chi^2/\text{NDF}: 11789.8/115$

- sign -31.094 ± 0.051 $\chi^2/\text{NDF}: 6402.9/58$

reg_asym_sam_13_57_dd_diff_bpm4eX_slope vs Slug



Right In: -3.688 ± 0.154 $\chi^2/\text{NDF}: 2291.9/31$

Left Out: -7.199 ± 0.067 $\chi^2/\text{NDF}: 3037.3/24$

Right Out: -4.688 ± 0.143 $\chi^2/\text{NDF}: 3391.0/35$

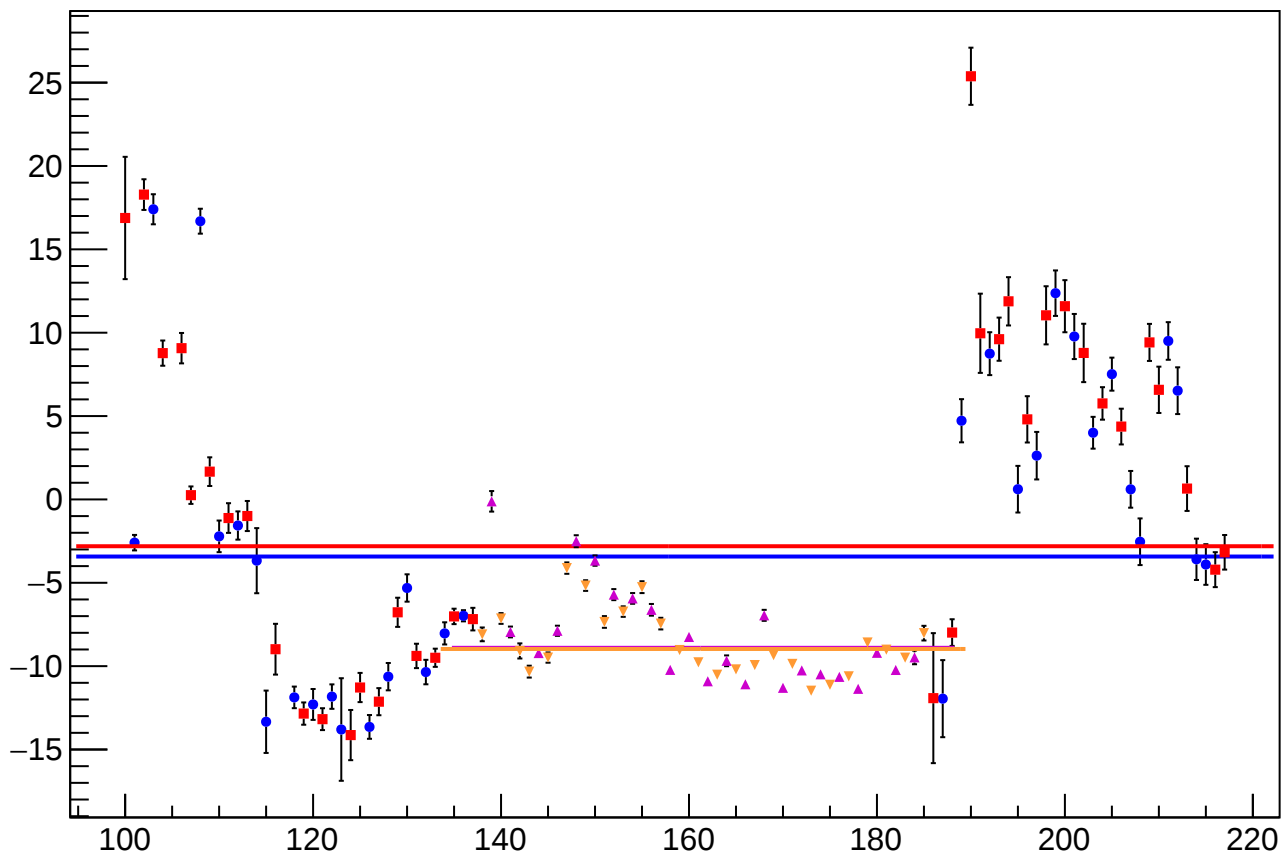
Left In: -7.415 ± 0.068 $\chi^2/\text{NDF}: 3123.3/22$

+ sign -6.640 ± 0.061 $\chi^2/\text{NDF}: 5768.2/56$

All: -6.776 ± 0.043 $\chi^2/\text{NDF}: 12589.7/115$

- sign -6.913 ± 0.061 $\chi^2/\text{NDF}: 6811.5/58$

reg_asym_sam_13_57_dd_diff_bpm4eY_slope vs Slug



Right In: -3.425 ± 0.151 $\chi^2/\text{NDF}: 3013.5/31$

Left Out: -8.970 ± 0.060 $\chi^2/\text{NDF}: 878.8/24$

Right Out: -2.808 ± 0.151 $\chi^2/\text{NDF}: 3239.1/35$

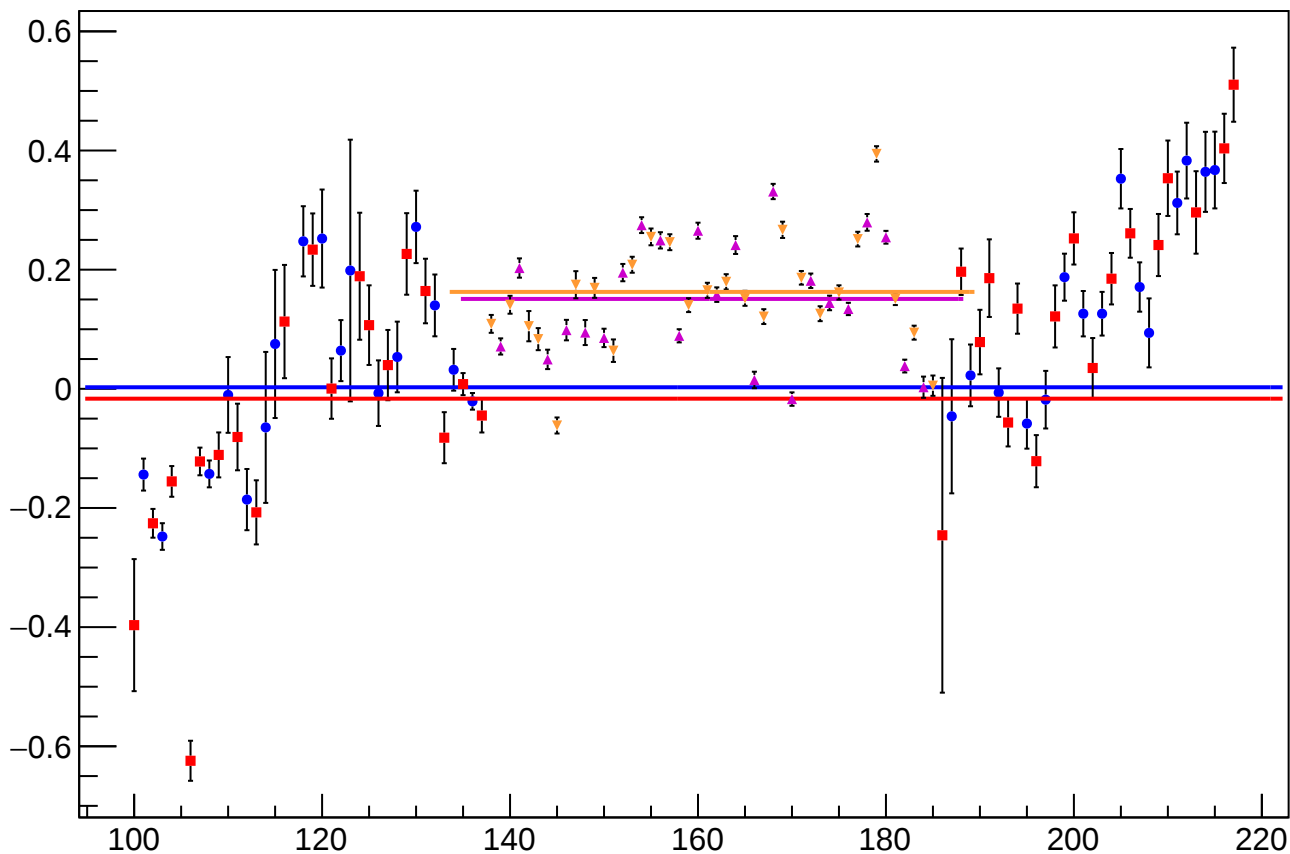
Left In: -8.900 ± 0.062 $\chi^2/\text{NDF}: 1533.9/22$

+ sign -8.212 ± 0.056 $\chi^2/\text{NDF}: 5052.9/56$

All: -8.123 ± 0.040 $\chi^2/\text{NDF}: 11225.0/115$

- sign -8.031 ± 0.057 $\chi^2/\text{NDF}: 6166.9/58$

reg_asym_sam_13_57_dd_diff_bpm12X_slope vs Slug



Right In: 0.003 $\pm$ 0.007 χ^2/NDF : 516.7/31

Left Out: 0.163 $\pm$ 0.003 χ^2/NDF :1018.1/24

Right Out: -0.017 $\pm$ 0.007 χ^2/NDF : 918.8/35

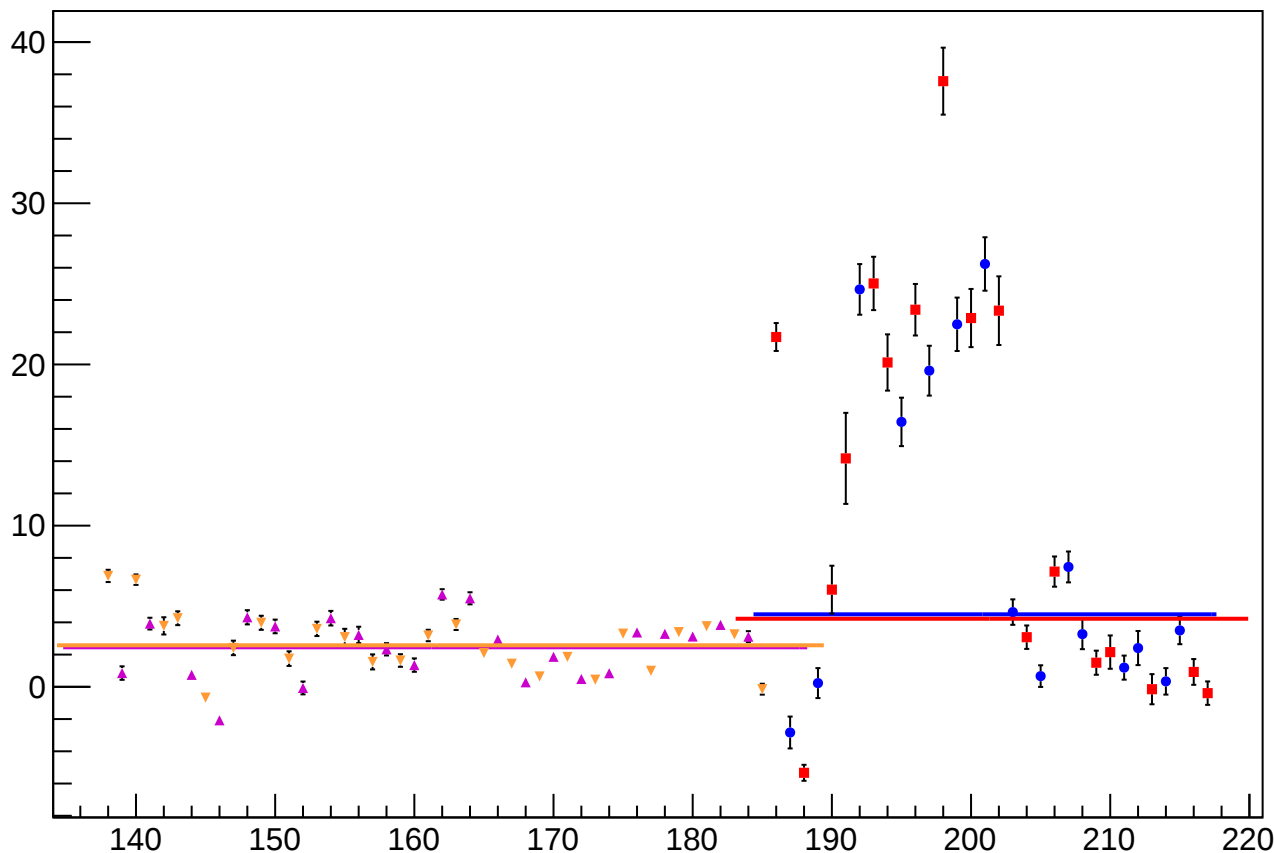
Left In: 0.151 $\pm$ 0.003 χ^2/NDF :1286.5/22

+ sign 0.141 $\pm$ 0.003 χ^2/NDF : 1992.7/56

All: 0.135 $\pm$ 0.002 χ^2/NDF : 4714.6/115

- sign 0.128 $\pm$ 0.003 χ^2/NDF : 2707.9/58

reg_asym_sam_15_37_dd_diff_bpm1X_slope vs Slug



Right In: 4.498 ± 0.252 $\chi^2/\text{NDF}: 783.5/14$

Left Out: 2.577 ± 0.058 $\chi^2/\text{NDF}: 867.5/24$

Right Out: 4.224 ± 0.235 $\chi^2/\text{NDF}: 1730.2/16$

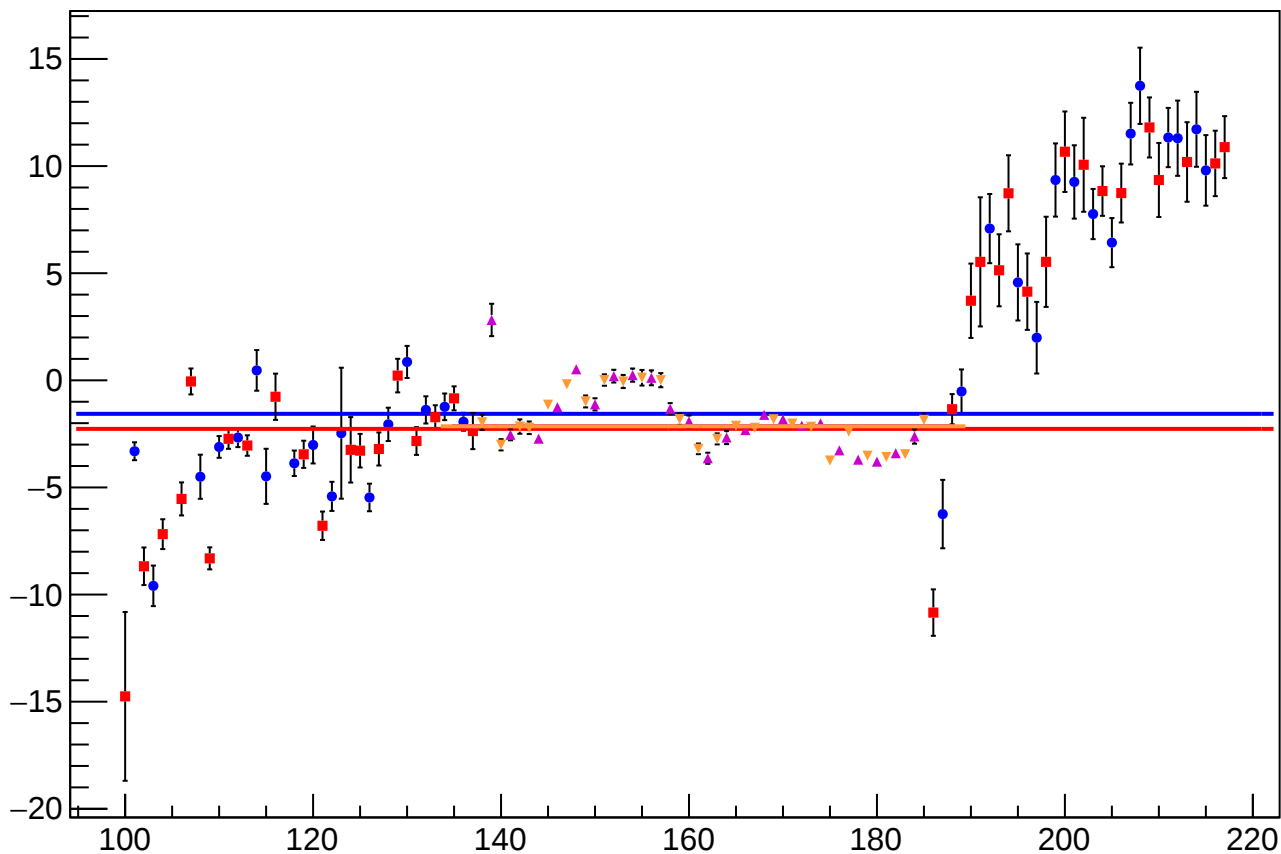
Left In: 2.452 ± 0.059 $\chi^2/\text{NDF}: 871.3/22$

+ sign 2.674 ± 0.057 $\chi^2/\text{NDF}: 1706.2/39$

All: 2.617 ± 0.040 $\chi^2/\text{NDF}: 4363.3/79$

- sign 2.559 ± 0.058 $\chi^2/\text{NDF}: 2655.1/39$

reg_asym_sam_15_37_dd_diff_bpm4aY_slope vs Slug



Right In: -1.564 ± 0.144 χ^2/NDF : 871.6/31

Left Out: -2.146 ± 0.048 χ^2/NDF : 573.4/24

Right Out: -2.266 ± 0.141 χ^2/NDF : 1102.4/35

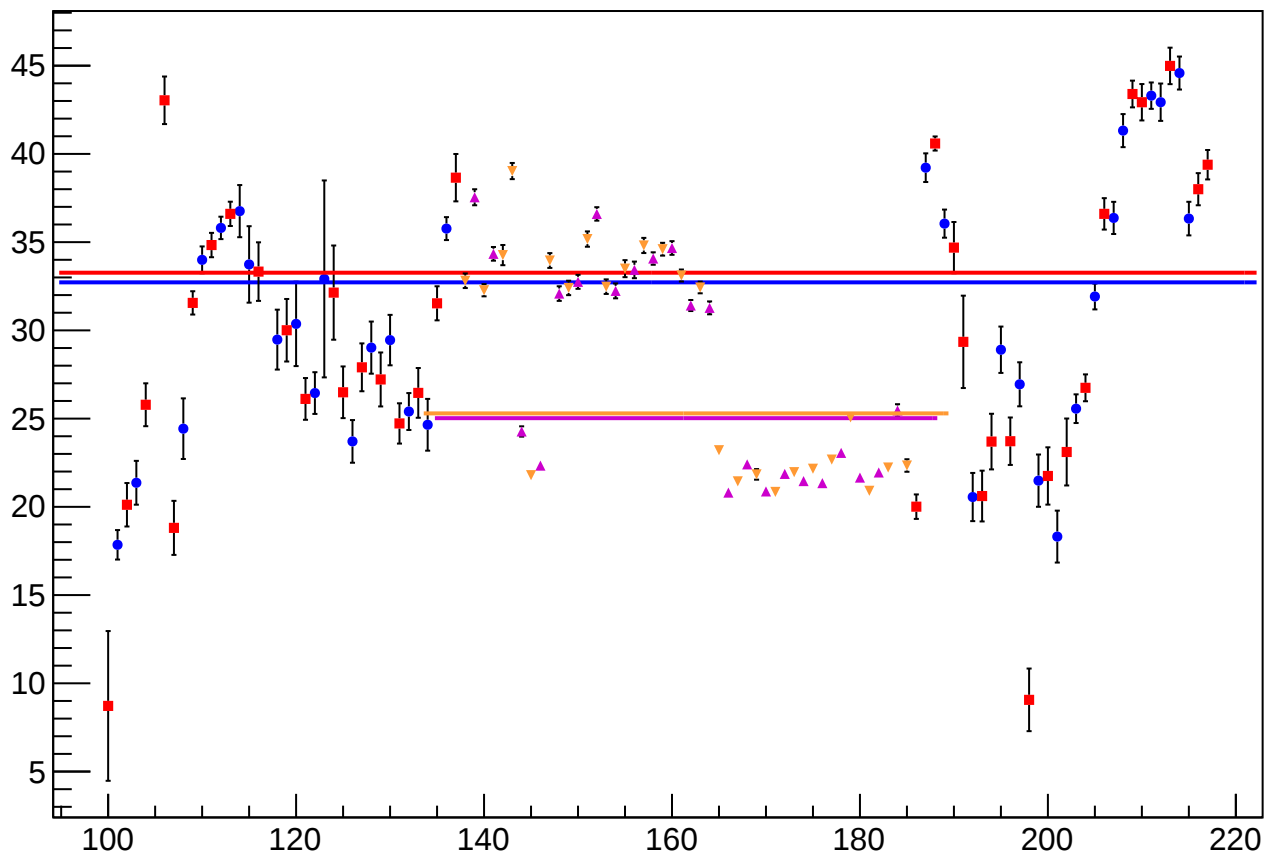
Left In: -2.136 ± 0.048 χ^2/NDF : 691.2/22

+ sign -2.088 ± 0.045 χ^2/NDF : 1459.8/56

All: -2.119 ± 0.032 χ^2/NDF : 3255.1/115

- sign -2.150 ± 0.046 χ^2/NDF : 1794.4/58

reg_asym_sam_15_37_dd_diff_bpm4eX_slope vs Slug



Right In: 32.721 $\pm$ 0.181 χ^2 /NDF: 1650.9/31

Left Out: 25.296 $\pm$ 0.059 χ^2 /NDF: 8272.3/24

Right Out: 33.268 $\pm$ 0.168 χ^2 /NDF: 2250.7/35

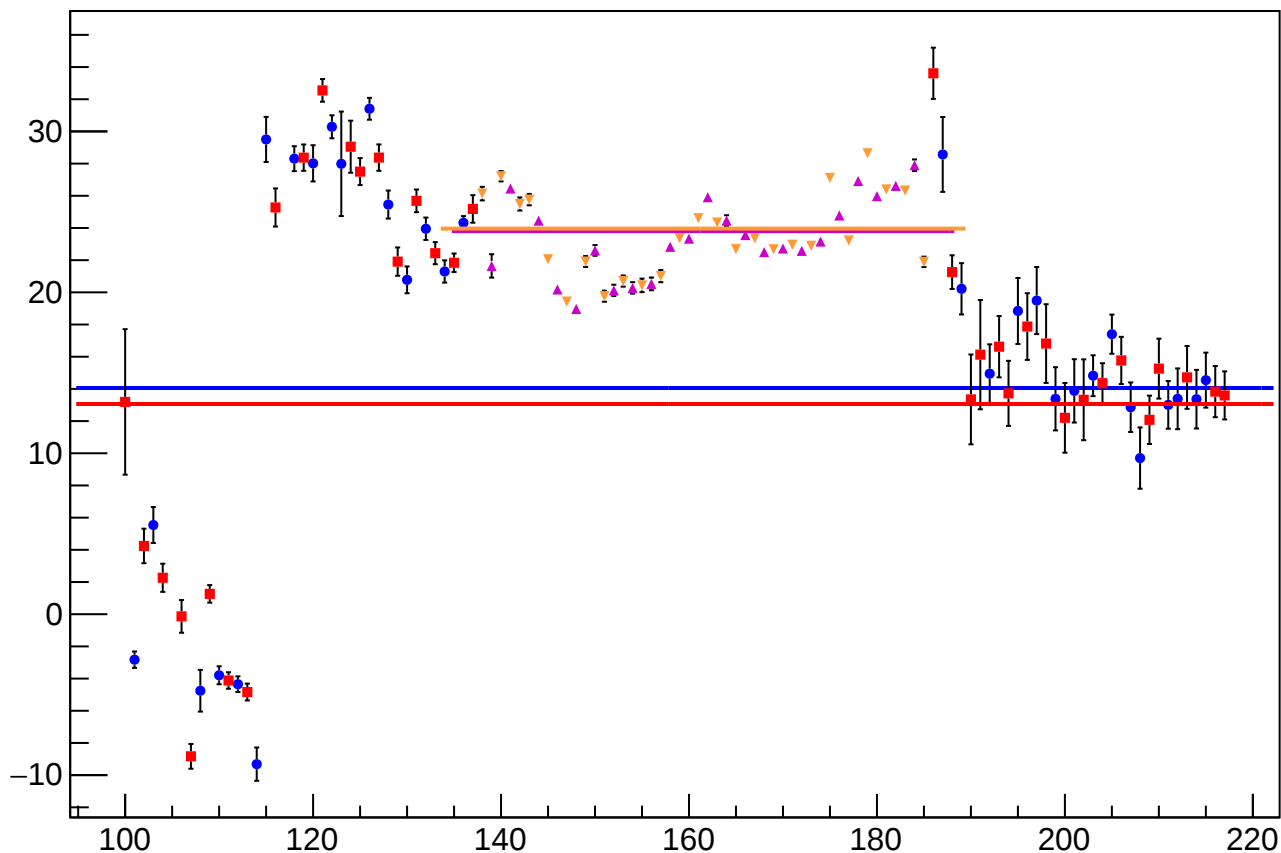
Left In: 25.025 $\pm$ 0.060 χ^2 /NDF: 7610.5/22

+ sign 26.002 $\pm$ 0.056 χ^2 /NDF: 11438.3/56

All: 25.974 $\pm$ 0.040 χ^2 /NDF: 23434.4/115

- sign 25.945 $\pm$ 0.056 χ^2 /NDF: 11995.6/58

reg_asym_sam_15_37_dd_diff_bpm4eY_slope vs Slug



Right In: 14.057 $\pm$ 0.161 χ^2 /NDF: 7357.6/31

Left Out: 23.962 $\pm$ 0.053 χ^2 /NDF:1922.4/24

Right Out: 13.063 $\pm$ 0.161 χ^2 /NDF: 7215.2/35

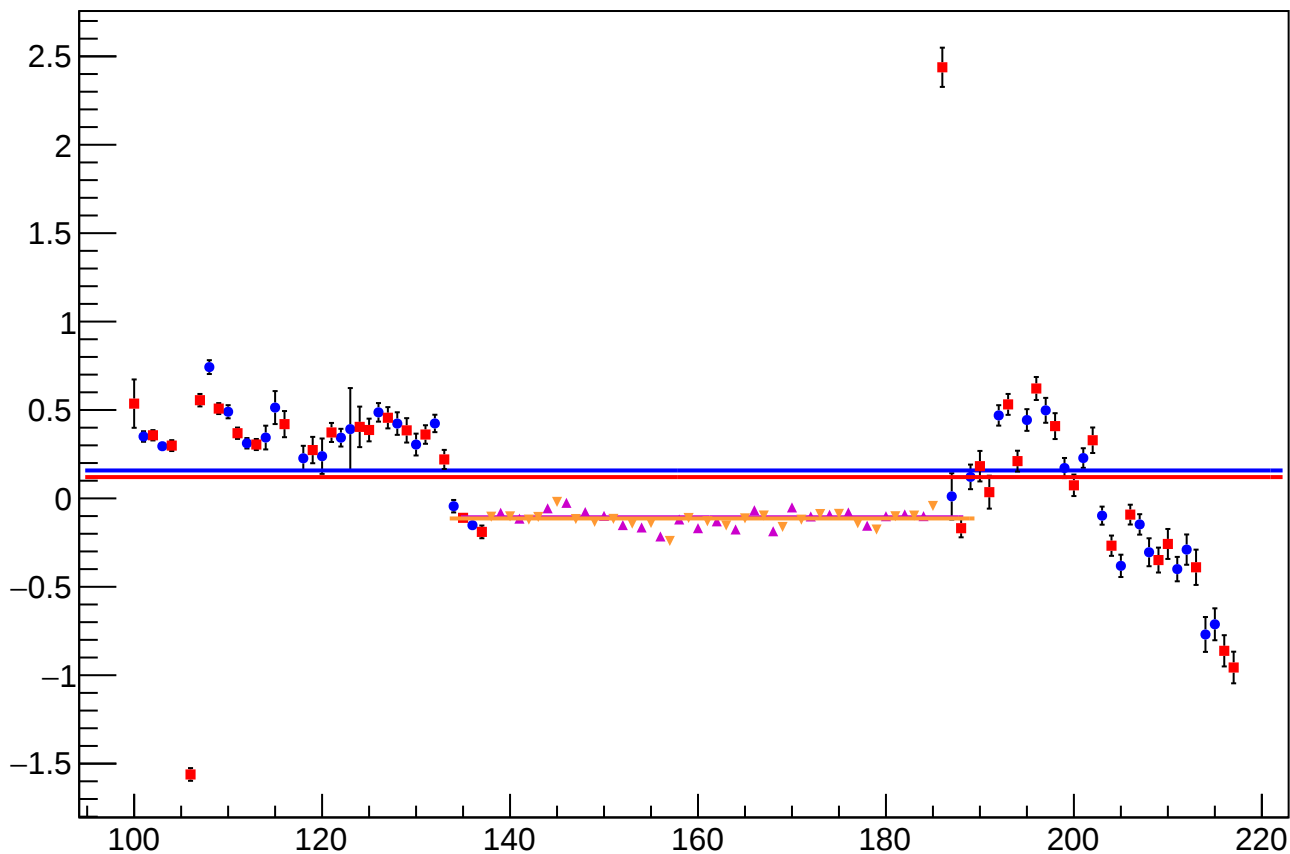
Left In: 23.805 $\pm$ 0.054 χ^2 /NDF:1761.3/22

+ sign 22.987 $\pm$ 0.050 χ^2 /NDF: 12697.9/56

All: 22.851 $\pm$ 0.036 χ^2 /NDF: 25710.8/115

- sign 22.712 $\pm$ 0.051 χ^2 /NDF: 12998.3/58

reg_asym_sam_15_37_dd_diff_bpm12X_slope vs Slug



Right In: 0.158 ± 0.008 χ^2/NDF : 1382.3/31

Left Out: -0.113 ± 0.002 χ^2/NDF : 291.0/24

Right Out: 0.120 ± 0.008 χ^2/NDF : 4040.6/35

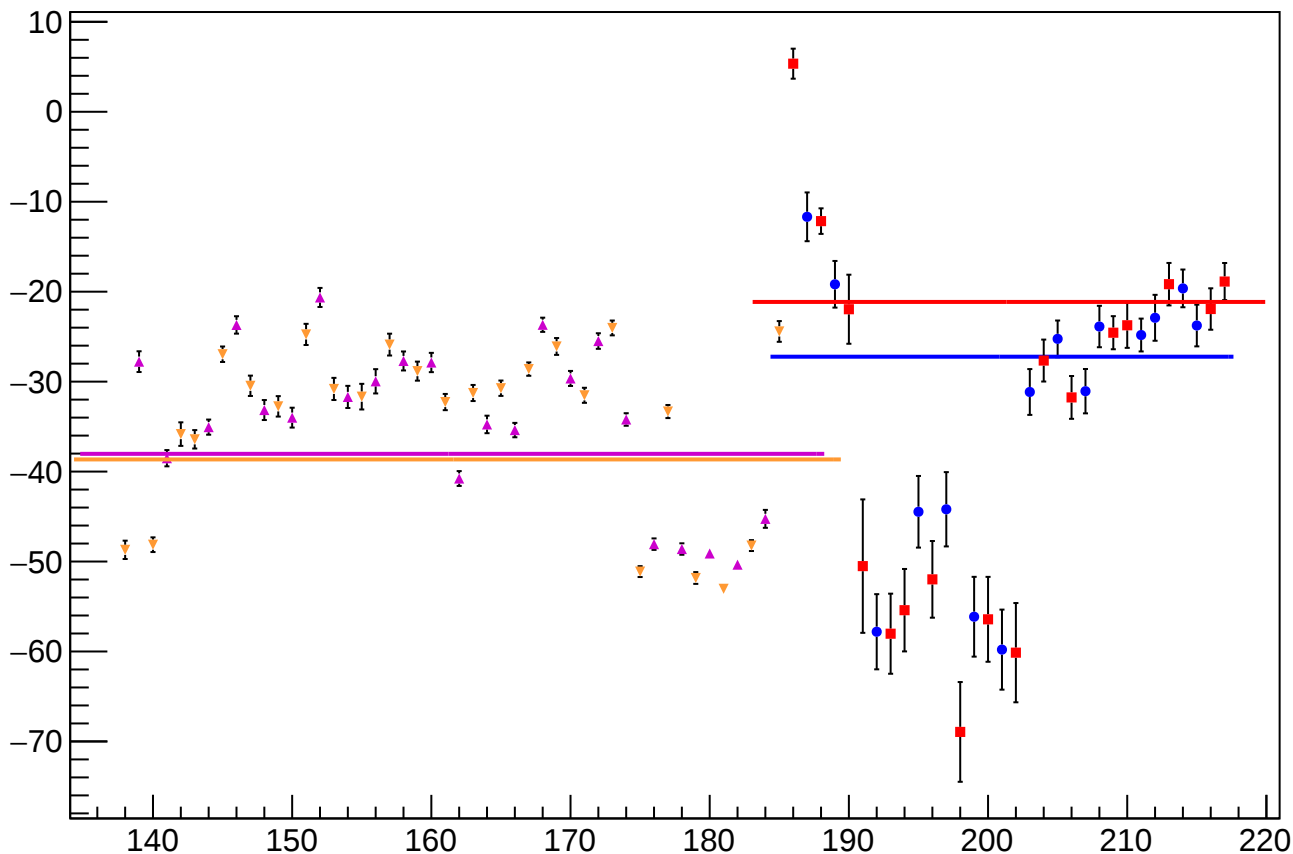
Left In: -0.107 ± 0.002 χ^2/NDF : 321.8/22

+ sign -0.092 ± 0.002 χ^2/NDF : 2669.4/56

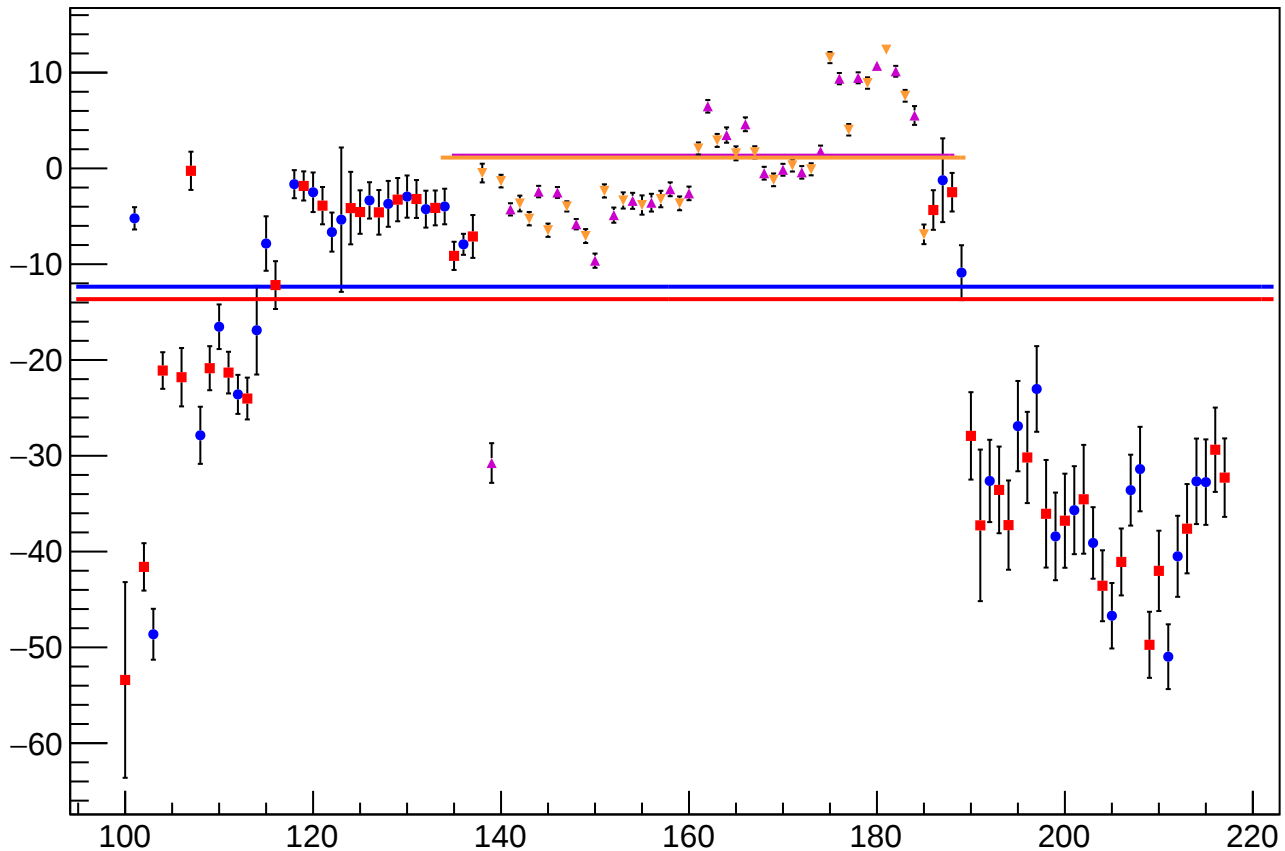
All: -0.090 ± 0.002 χ^2/NDF : 7754.2/115

- sign -0.087 ± 0.002 χ^2/NDF : 5082.9/58

reg_asym_sam_24_68_dd_diff_bpm1X_slope vs Slug



reg_asym_sam_24_68_dd_diff_bpm4aY_slope vs Slug



Right In: -12.349 $\pm$ 0.425 χ^2 /NDF: 1003.8/31

Left Out: 1.130 $\pm$ 0.136 χ^2 /NDF:1799.3/24

Right Out: -13.649 $\pm$ 0.431 χ^2 /NDF: 993.3/35

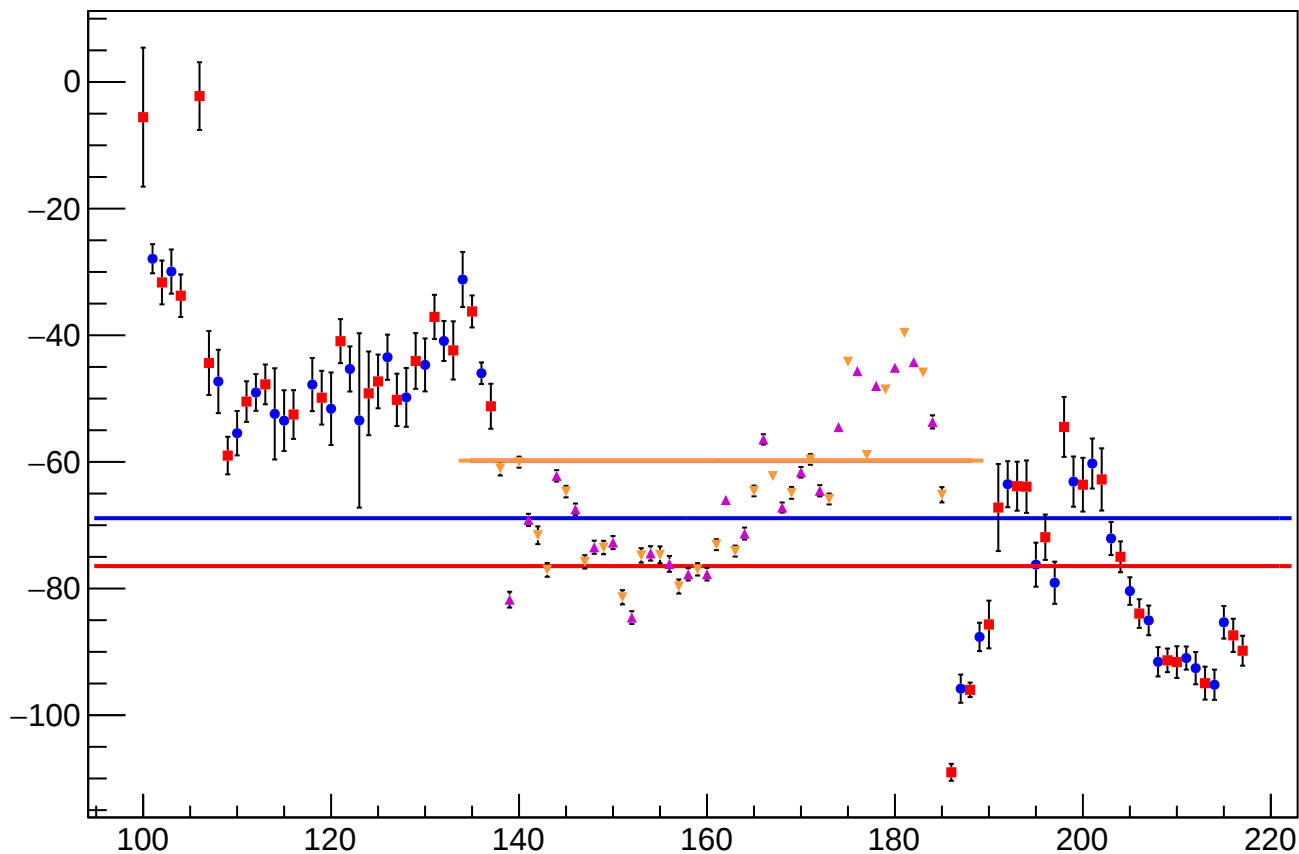
Left In: 1.329 $\pm$ 0.140 χ^2 /NDF:2048.0/22

+ sign -0.122 $\pm$ 0.130 χ^2 /NDF: 3715.8/56

All: -0.109 $\pm$ 0.093 χ^2 /NDF: 7848.8/115

- sign -0.096 $\pm$ 0.133 χ^2 /NDF: 4133.0/58

reg_asym_sam_24_68_dd_diff_bpm4eX_slope vs Slug



Right In: -68.887 ± 0.519 χ^2/NDF : 1857.0/31

Left Out: -59.789 ± 0.170 χ^2/NDF : 5837.7/24

Right Out: -76.450 ± 0.479 χ^2/NDF : 2777.0/35

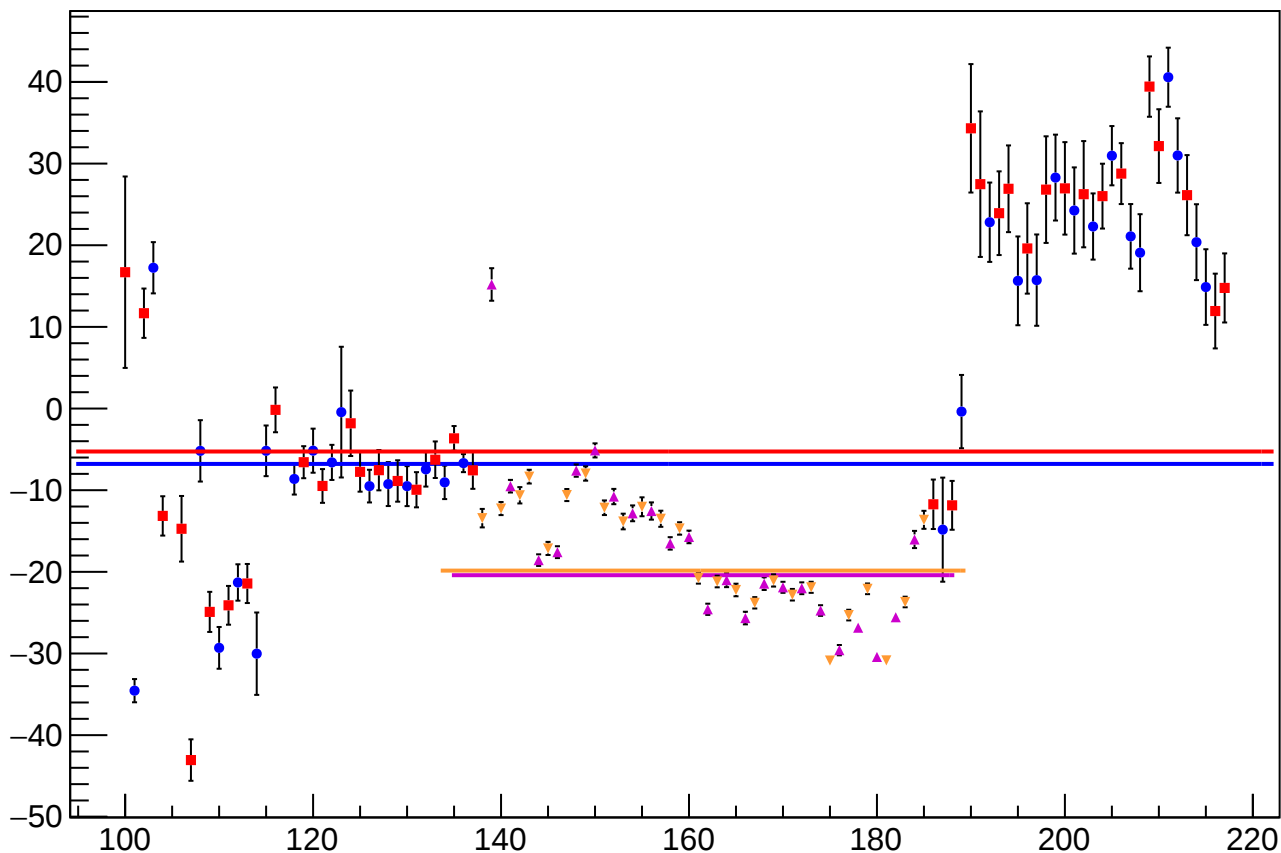
Left In: -59.802 ± 0.173 χ^2/NDF : 5217.5/22

+ sign -60.670 ± 0.162 χ^2/NDF : 7971.7/56

All: -61.197 ± 0.115 χ^2/NDF : 17057.5/115

- sign -61.732 ± 0.163 χ^2/NDF : 9064.3/58

reg_asym_sam_24_68_dd_diff_bpm4eY_slope vs Slug



Right In: -6.782 ± 0.479 $\chi^2/\text{NDF}: 1277.7/31$

Left Out: -19.847 ± 0.153 $\chi^2/\text{NDF}: 1931.3/24$

Right Out: -5.262 ± 0.495 $\chi^2/\text{NDF}: 1120.3/35$

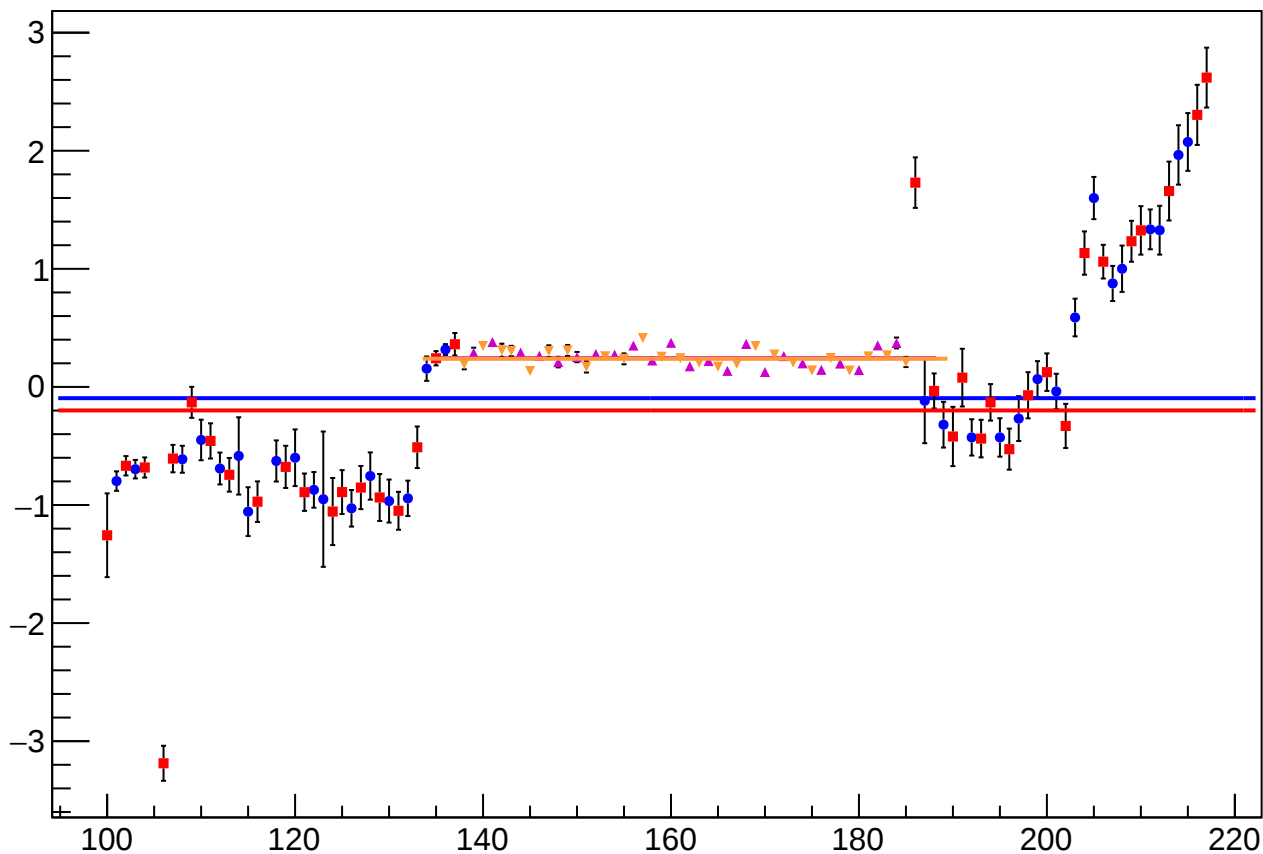
Left In: -20.410 ± 0.157 $\chi^2/\text{NDF}: 2302.0/22$

+ sign -18.640 ± 0.146 $\chi^2/\text{NDF}: 3884.8/56$

All: -18.830 ± 0.104 $\chi^2/\text{NDF}: 8163.1/115$

- sign -19.029 ± 0.149 $\chi^2/\text{NDF}: 4274.8/58$

reg_asym_sam_24_68_dd_diff_bpm12X_slope vs Slug



Right In: -0.095 ± 0.024 χ^2/NDF : 889.3/31

Left Out: 0.239 ± 0.007 χ^2/NDF : 93.0/24

Right Out: -0.199 ± 0.024 χ^2/NDF : 1350.5/35

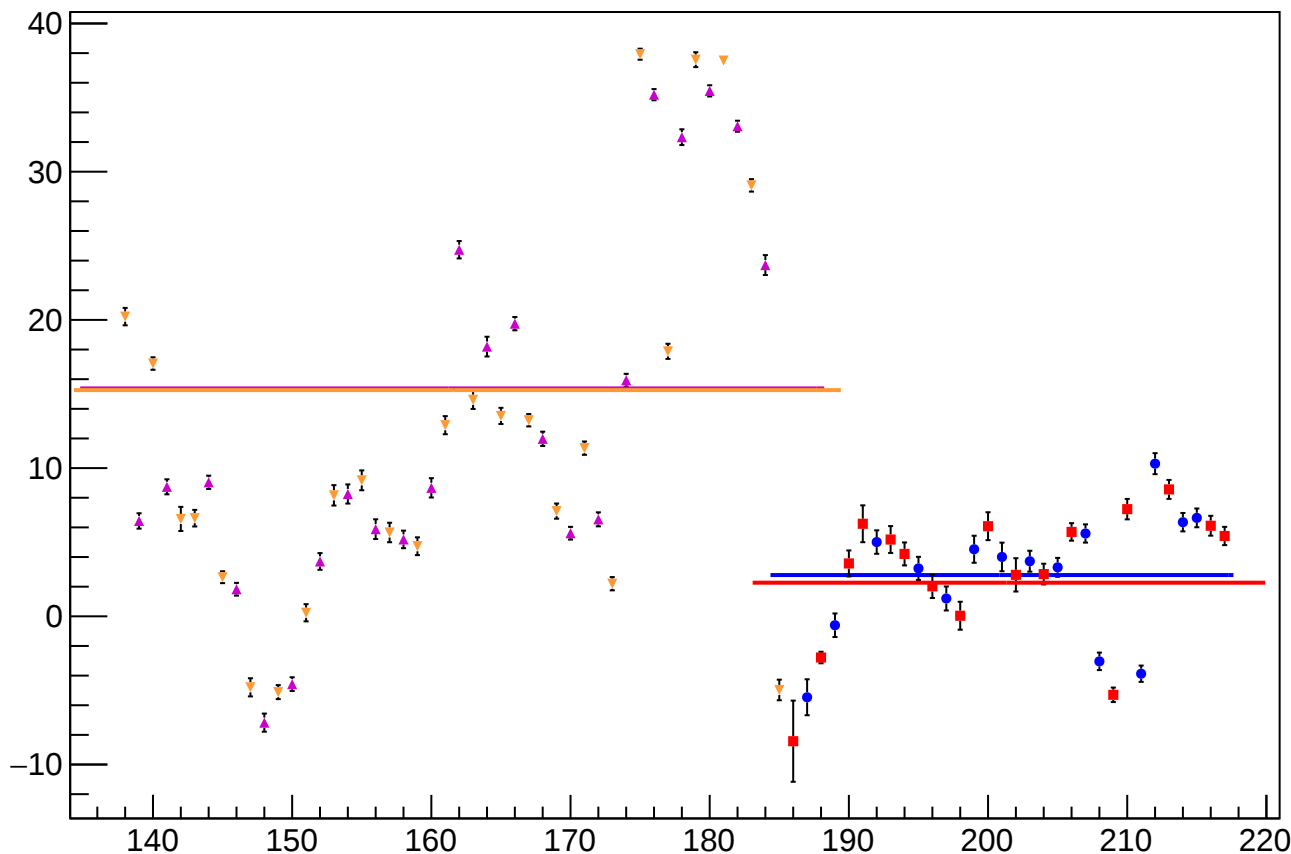
Left In: 0.243 ± 0.007 χ^2/NDF : 138.3/22

+ sign 0.212 ± 0.007 χ^2/NDF : 1164.8/56

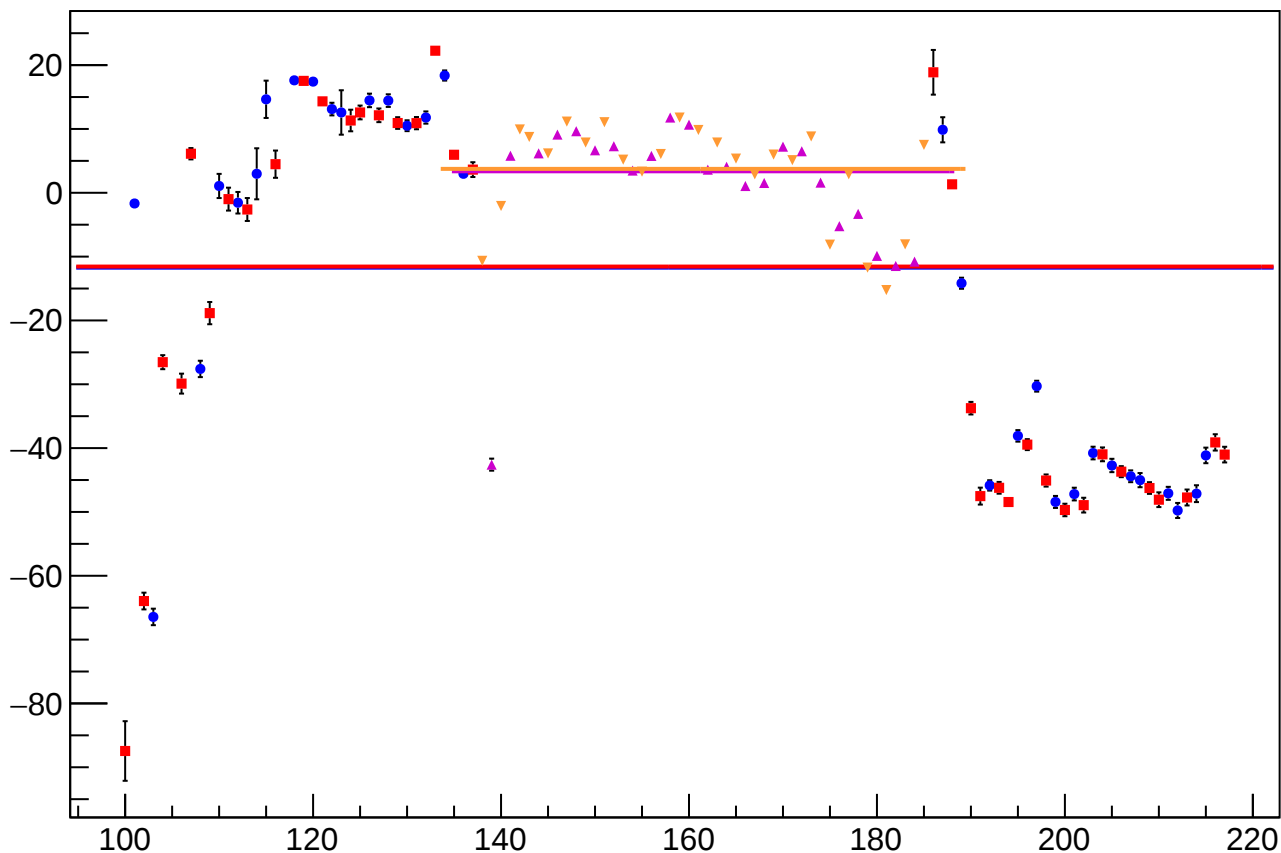
All: 0.210 ± 0.005 χ^2/NDF : 2961.8/115

- sign 0.207 ± 0.007 χ^2/NDF : 1796.8/58

reg_asym_sam_26_48_dd_diff_bpm1X_slope vs Slug



reg_asym_sam_26_48_dd_diff_bpm4aY_slope vs Slug



Right In: -11.731 ± 0.167 χ^2/NDF : 26673.5/31

Left Out: 3.746 ± 0.079 χ^2/NDF : 9247.4/24

Right Out: -11.560 ± 0.159 χ^2/NDF : 32277.6/35

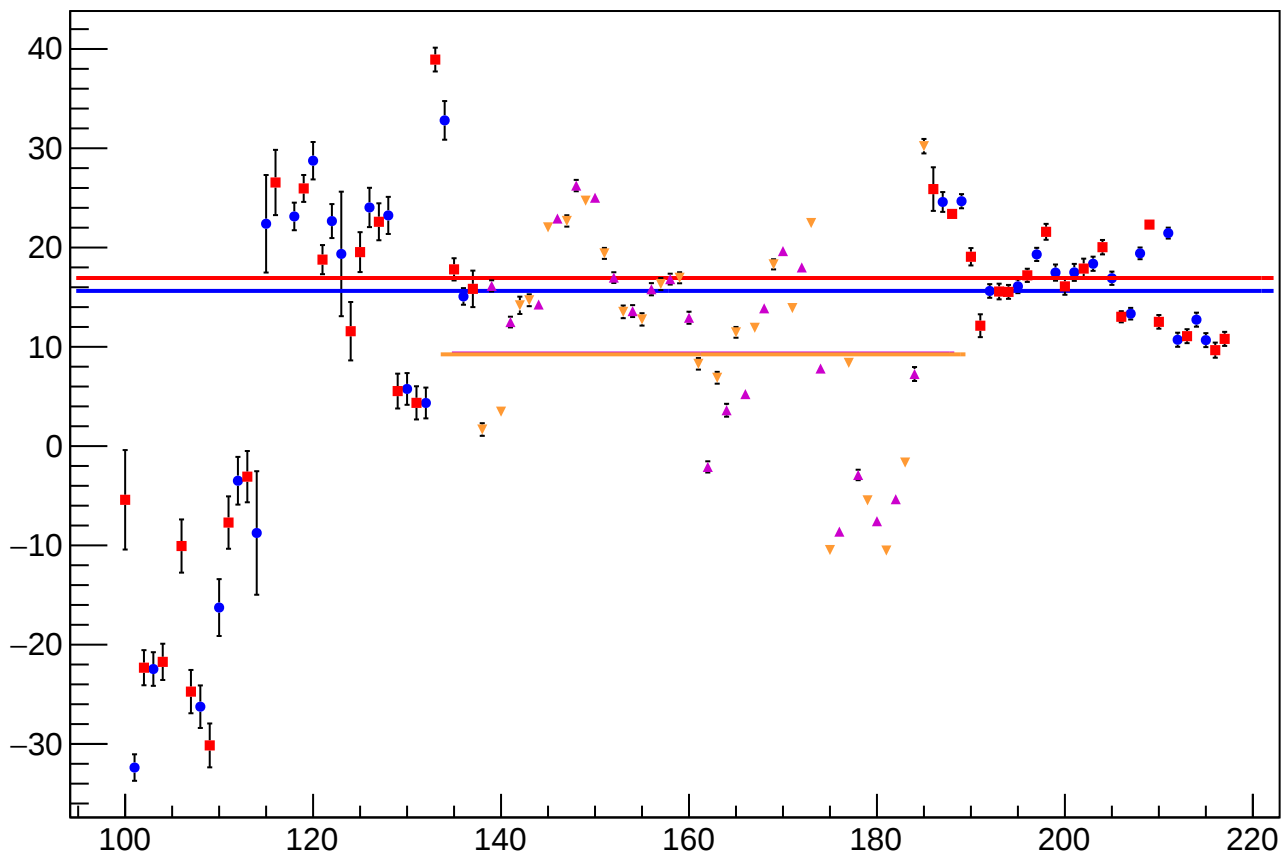
Left In: 3.365 ± 0.081 χ^2/NDF : 8527.0/22

+ sign 0.944 ± 0.071 χ^2/NDF : 42913.7/56

All: 0.608 ± 0.051 χ^2/NDF : 90778.9/115

- sign 0.263 ± 0.072 χ^2/NDF : 47820.3/58

reg_asym_sam_26_48_dd_diff_bpm4eX_slope vs Slug



Right In: 15.632 $\pm$ 0.164 χ^2 /NDF: 3267.5/31

Left Out: 9.242 $\pm$ 0.101 χ^2 /NDF:13633.2/24

Right Out: 16.932 $\pm$ 0.149 χ^2 /NDF: 3497.0/35

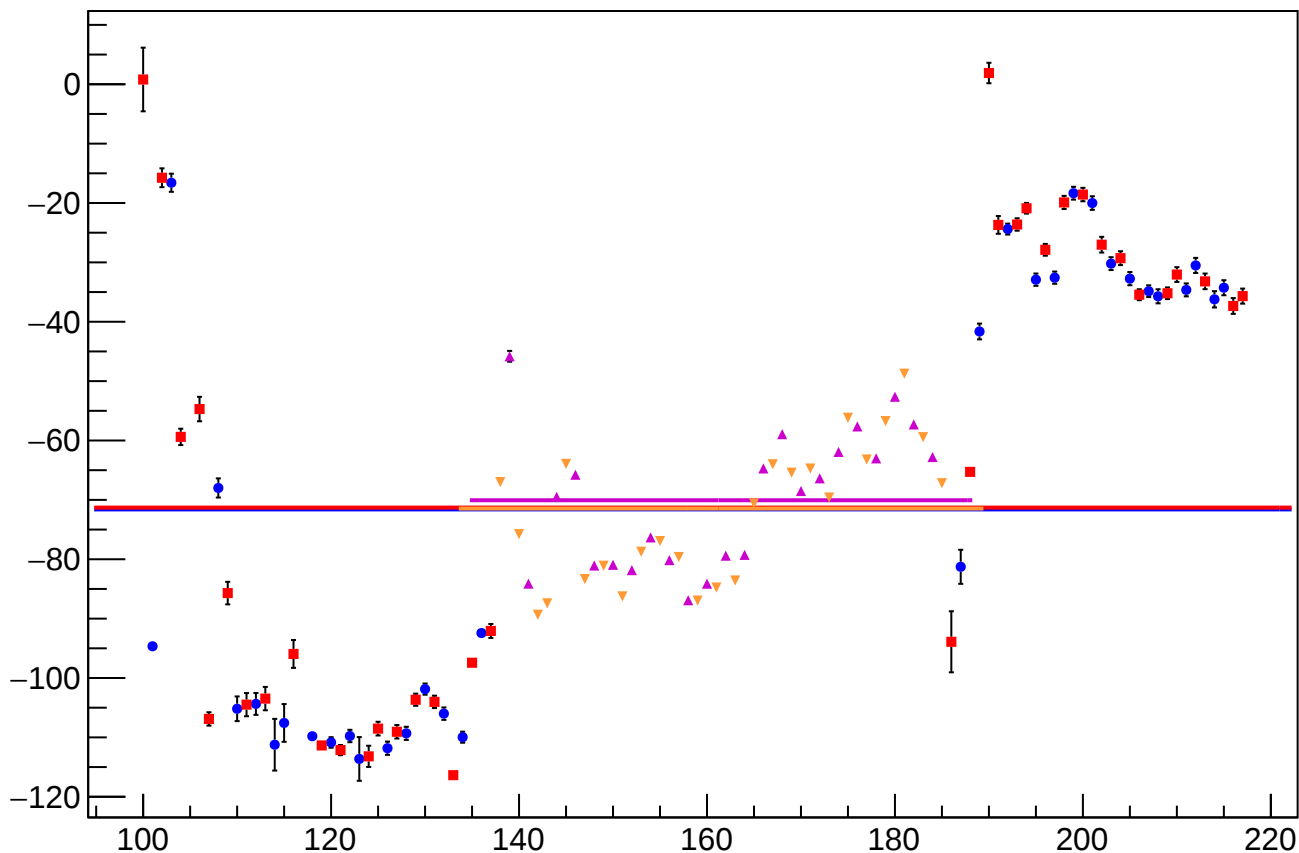
Left In: 9.328 $\pm$ 0.103 χ^2 /NDF:11968.5/22

+ sign 11.000 $\pm$ 0.086 χ^2 /NDF: 18004.2/56

All: 11.390 $\pm$ 0.060 χ^2 /NDF: 35274.1/115

- sign 11.768 $\pm$ 0.085 χ^2 /NDF: 17229.4/58

reg_asym_sam_26_48_dd_diff_bpm4eY_slope vs Slug



Right In: -71.605 ± 0.192 $\chi^2/\text{NDF}: 36793.3/31$

Left Out: -71.465 ± 0.089 $\chi^2/\text{NDF}: 16409.7/24$

Right Out: -71.298 ± 0.184 $\chi^2/\text{NDF}: 44936.9/35$

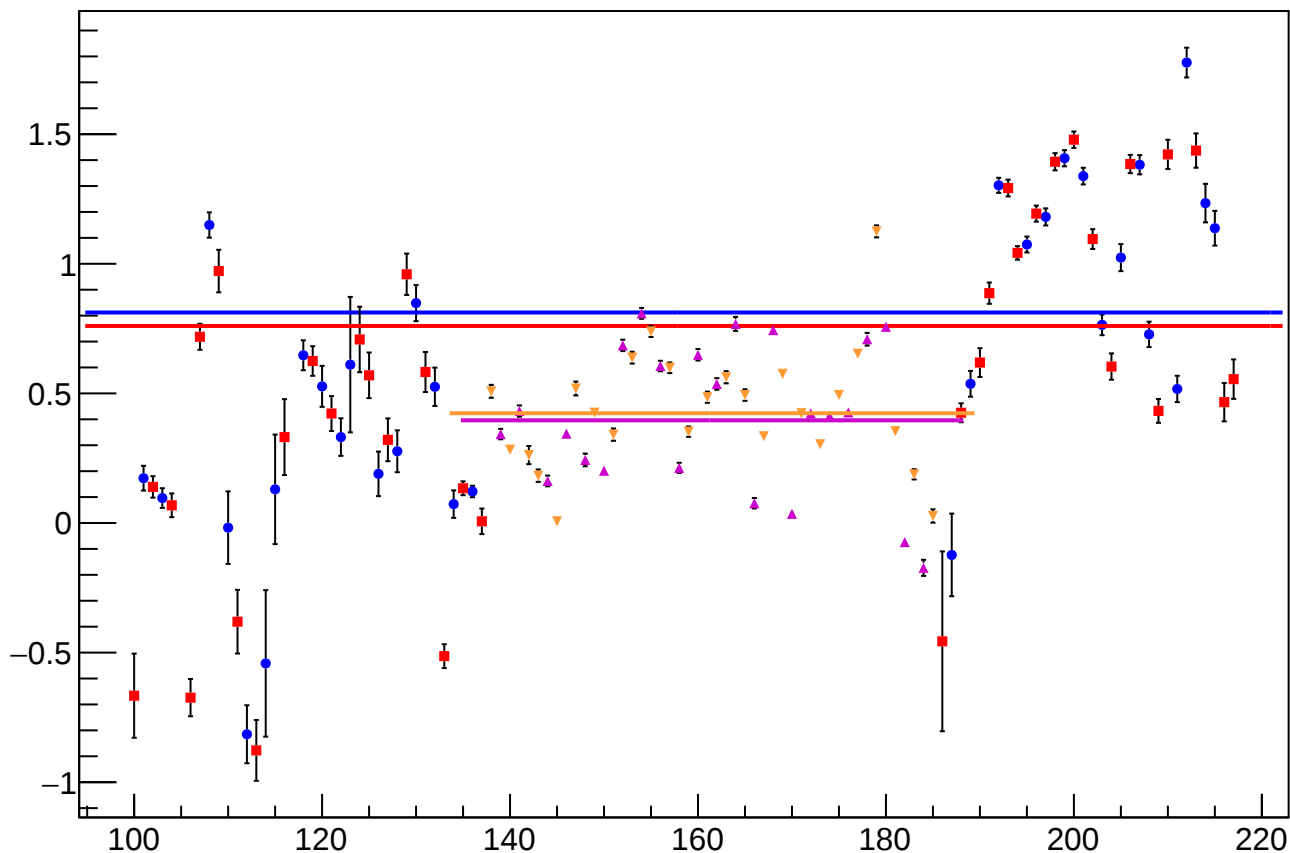
Left In: -70.061 ± 0.092 $\chi^2/\text{NDF}: 13058.5/22$

+ sign -71.490 ± 0.081 $\chi^2/\text{NDF}: 53203.4/56$

All: -70.907 ± 0.058 $\chi^2/\text{NDF}: 111340.3/115$

- sign -70.306 ± 0.082 $\chi^2/\text{NDF}: 58031.5/58$

reg_asym_sam_26_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.812 ± 0.008 χ^2/NDF : 4014.6/31

Left Out: 0.424 ± 0.004 χ^2/NDF : 2885.0/24

Right Out: 0.760 ± 0.008 χ^2/NDF : 5136.7/35

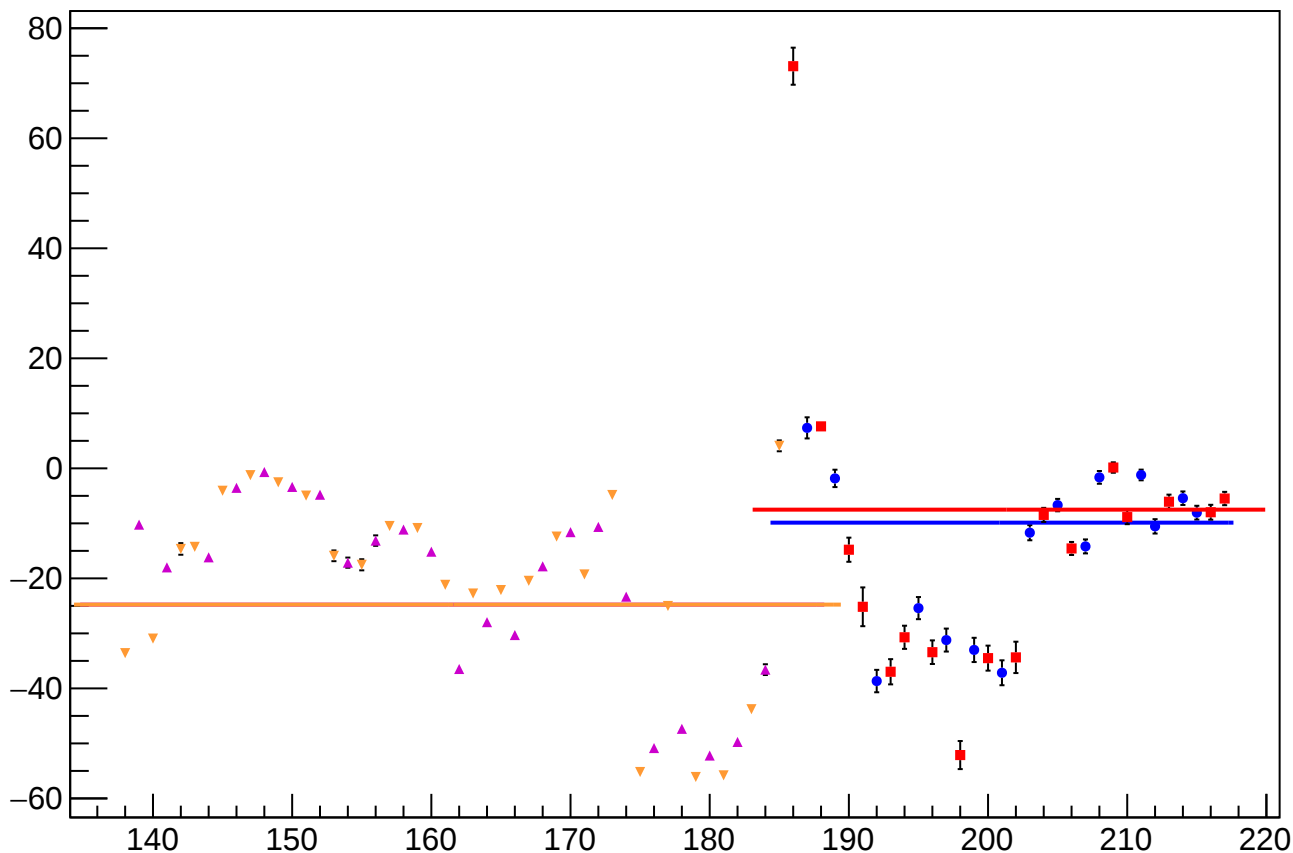
Left In: 0.396 ± 0.004 χ^2/NDF : 4051.5/22

+ sign 0.499 ± 0.004 χ^2/NDF : 8640.6/56

All: 0.487 ± 0.003 χ^2/NDF : 19492.9/115

- sign 0.474 ± 0.004 χ^2/NDF : 10830.6/58

reg_asym_sam_1548_avg_diff_bpm1X_slope vs Slug



Right In: -9.872 ± 0.368 χ^2/NDF : 892.2/14

Left Out: -24.769 ± 0.139 χ^2/NDF : 18318.8/24

Right Out: -7.508 ± 0.356 χ^2/NDF : 2040.6/16

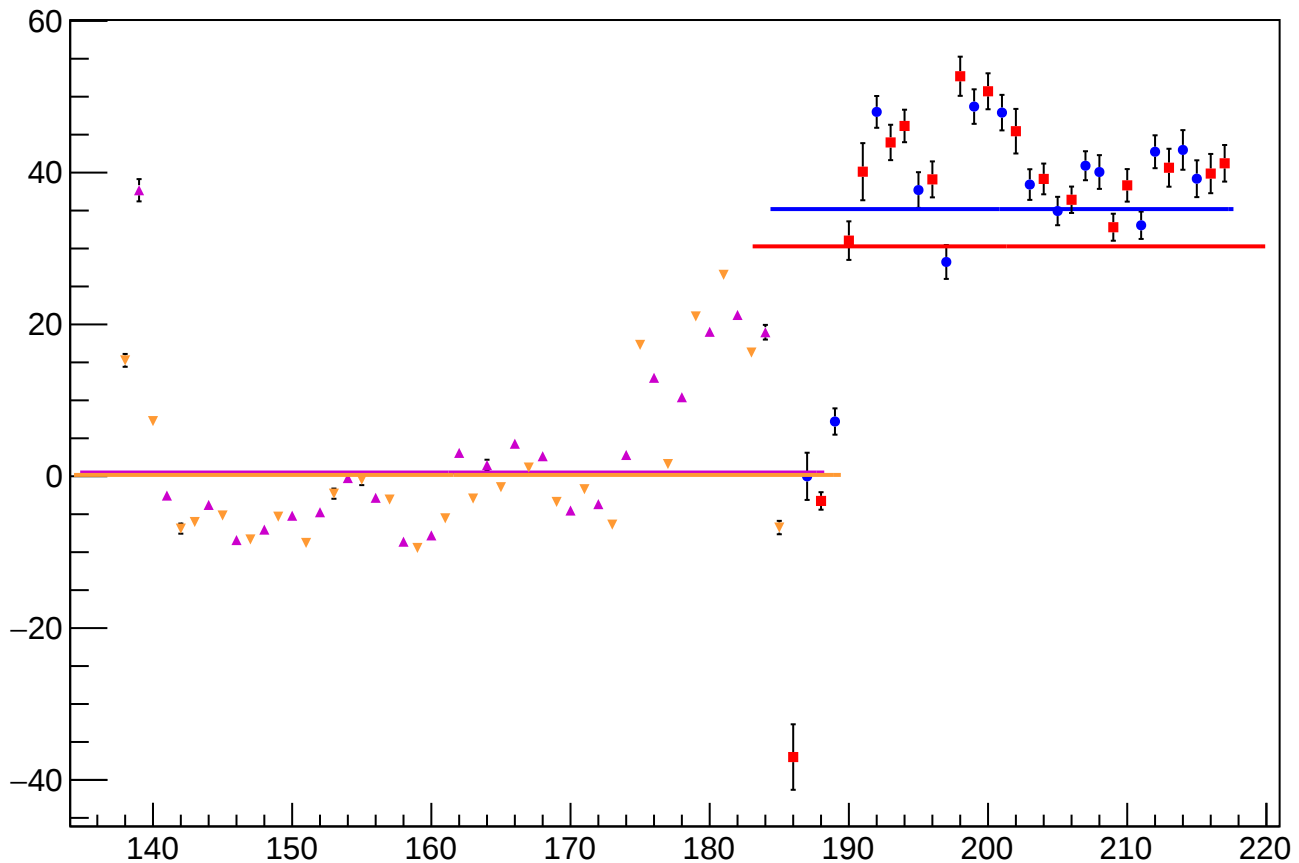
Left In: -24.775 ± 0.143 χ^2/NDF : 14807.4/22

+ sign -22.895 ± 0.130 χ^2/NDF : 20647.4/39

All: -22.641 ± 0.093 χ^2/NDF : 39533.9/79

- sign -22.378 ± 0.132 χ^2/NDF : 18878.7/39

reg_asym_sam_1548_avg_diff_bpm4aY_slope vs Slug



Right In: 35.193+/-0.553 χ^2/NDF : 543.6/14

Left Out: 0.177+/-0.109 χ^2/NDF : 8295.6/24

Right Out: 30.283+/-0.524 χ^2/NDF : 1475.7/16

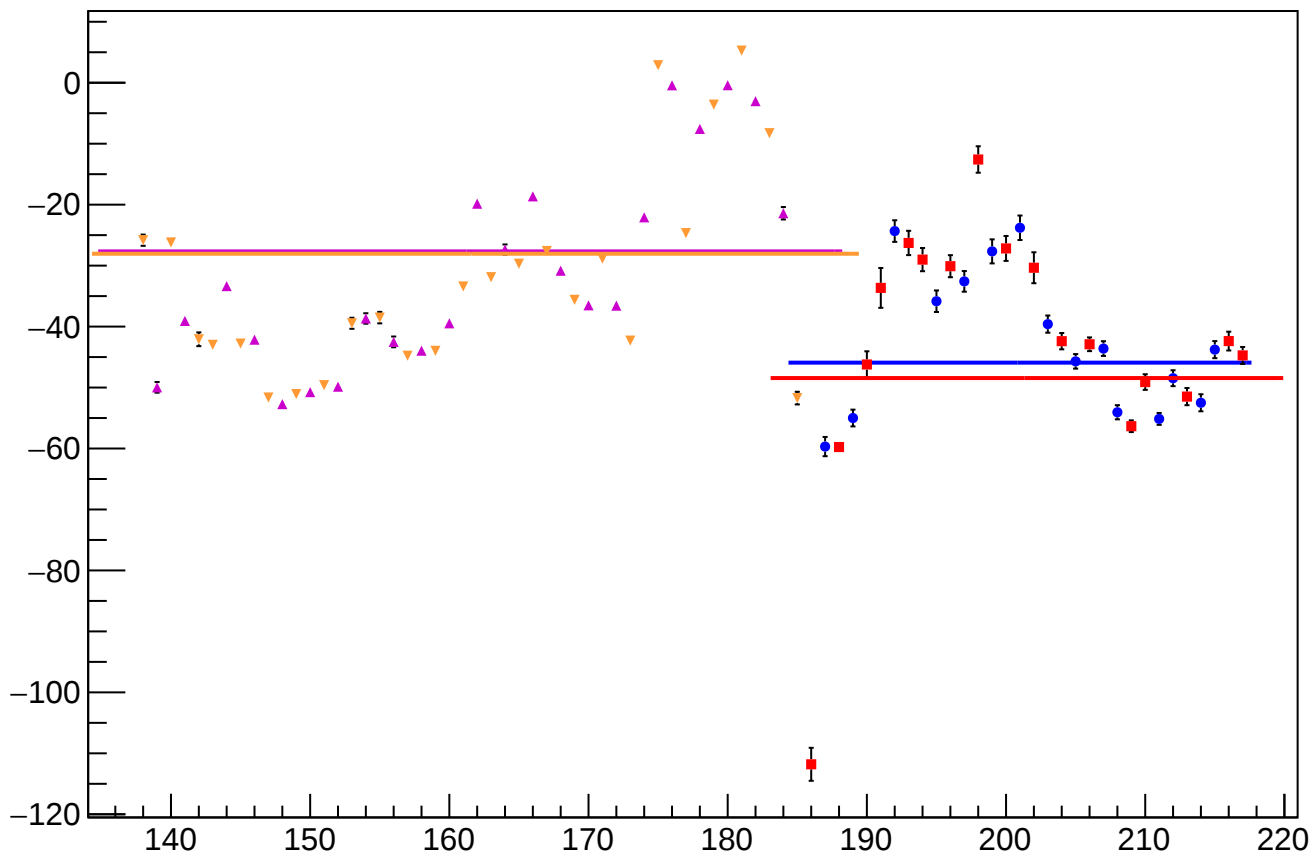
Left In: 0.493+/-0.112 χ^2/NDF : 6555.4/22

+ sign 1.475+/-0.106 χ^2/NDF : 12697.3/39

All: 1.632+/-0.076 χ^2/NDF : 23828.3/79

- sign 1.799+/-0.110 χ^2/NDF : 11126.6/39

reg_asym_sam_1548_avg_diff_bpm4eX_slope vs Slug



Right In: -45.915 ± 0.360 χ^2/NDF : 760.0/14

Left Out: -28.050 ± 0.140 χ^2/NDF : 17144.5/24

Right Out: -48.443 ± 0.338 χ^2/NDF : 1777.4/16

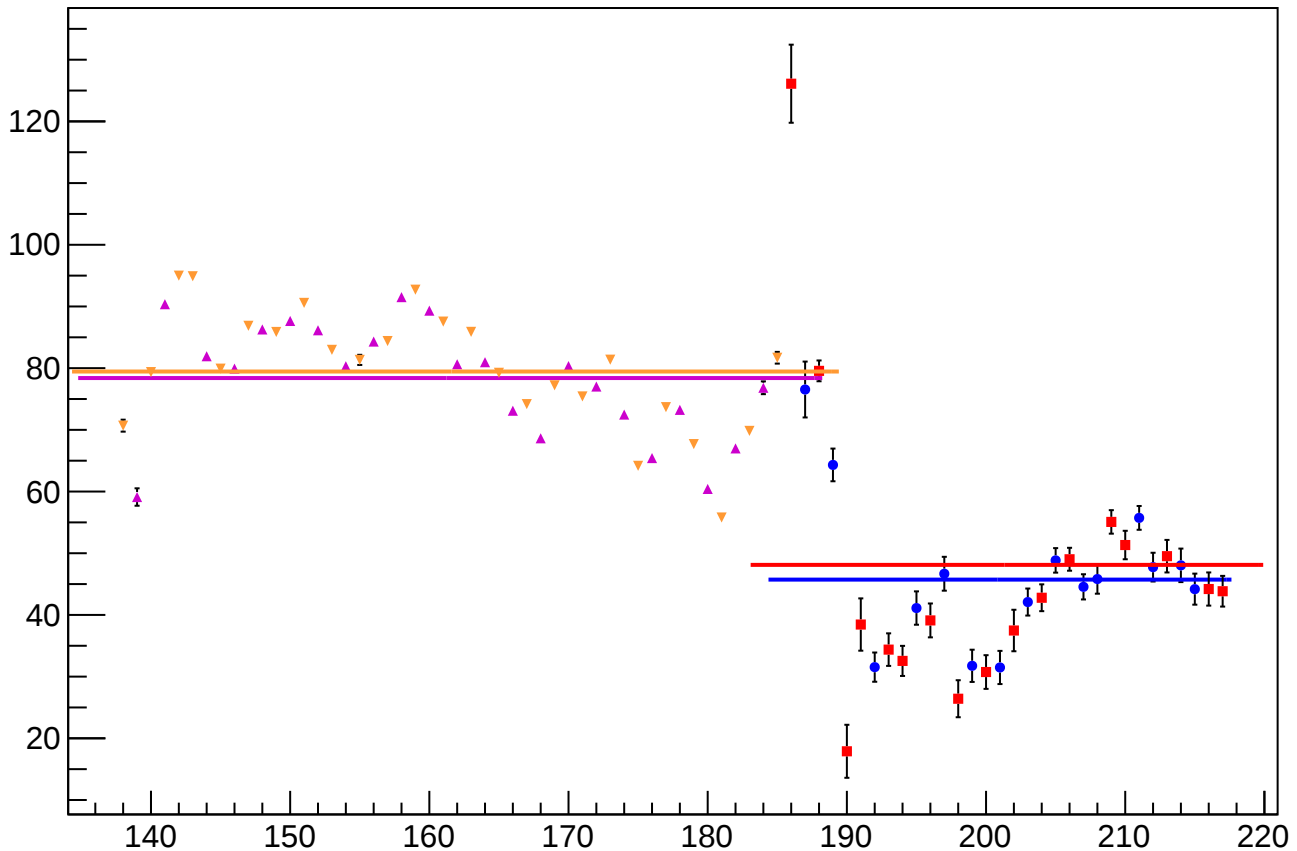
Left In: -27.666 ± 0.142 χ^2/NDF : 15003.2/22

+ sign -30.392 ± 0.130 χ^2/NDF : 20042.5/39

All: -30.594 ± 0.093 χ^2/NDF : 40036.8/79

- sign -30.800 ± 0.131 χ^2/NDF : 19989.4/39

reg_asym_sam_1548_avg_diff_bpm4eY_slope vs Slug



Right In: 45.725 ± 0.626 $\chi^2/\text{NDF}: 225.4/14$

Left Out: 79.456 ± 0.123 $\chi^2/\text{NDF}: 6077.1/24$

Right Out: 48.113 ± 0.612 $\chi^2/\text{NDF}: 762.6/16$

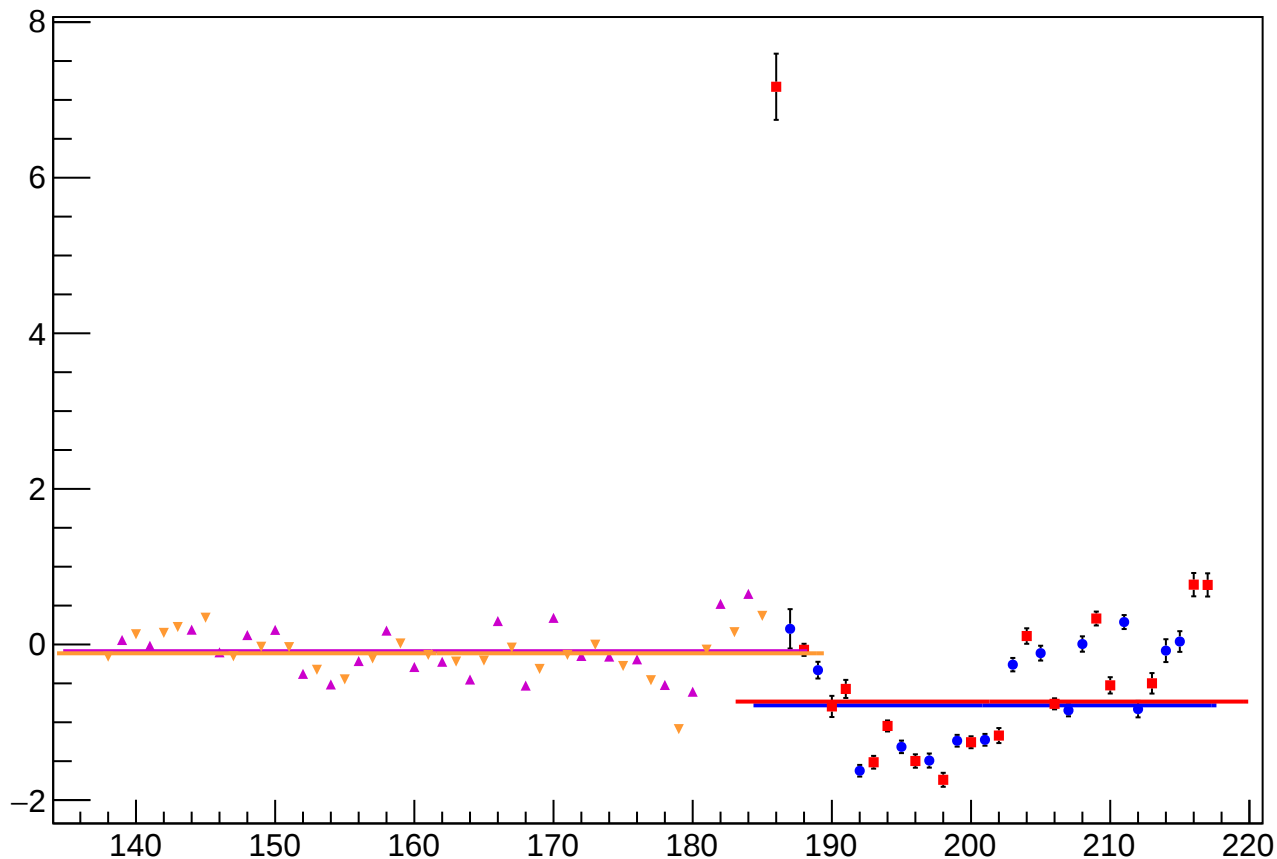
Left In: 78.396 ± 0.127 $\chi^2/\text{NDF}: 4707.3/22$

+ sign 78.200 ± 0.121 $\chi^2/\text{NDF}: 9094.2/39$

All: 77.689 ± 0.087 $\chi^2/\text{NDF}: 16951.3/79$

- sign 77.149 ± 0.124 $\chi^2/\text{NDF}: 7820.4/39$

reg_asym_sam_1548_avg_diff_bpm12X_slope vs Slug



Right In: -0.782 ± 0.024 χ^2/NDF : 687.9/14

Left Out: -0.113 ± 0.006 χ^2/NDF : 2303.1/24

Right Out: -0.734 ± 0.023 χ^2/NDF : 1224.2/16

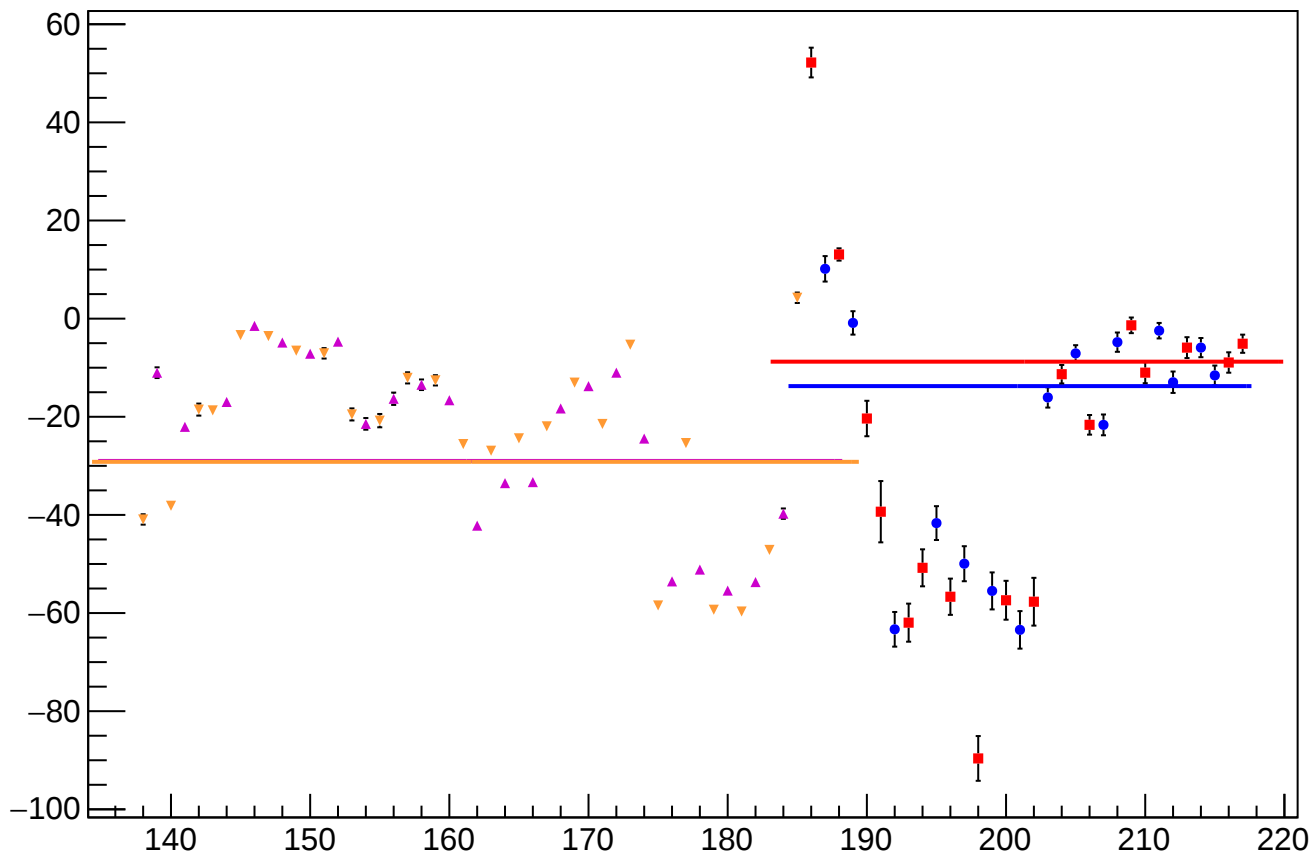
Left In: -0.086 ± 0.006 χ^2/NDF : 3132.1/22

+ sign -0.149 ± 0.006 χ^2/NDF : 3727.5/39

All: -0.137 ± 0.004 χ^2/NDF : 8823.0/79

- sign -0.124 ± 0.006 χ^2/NDF : 5085.5/39

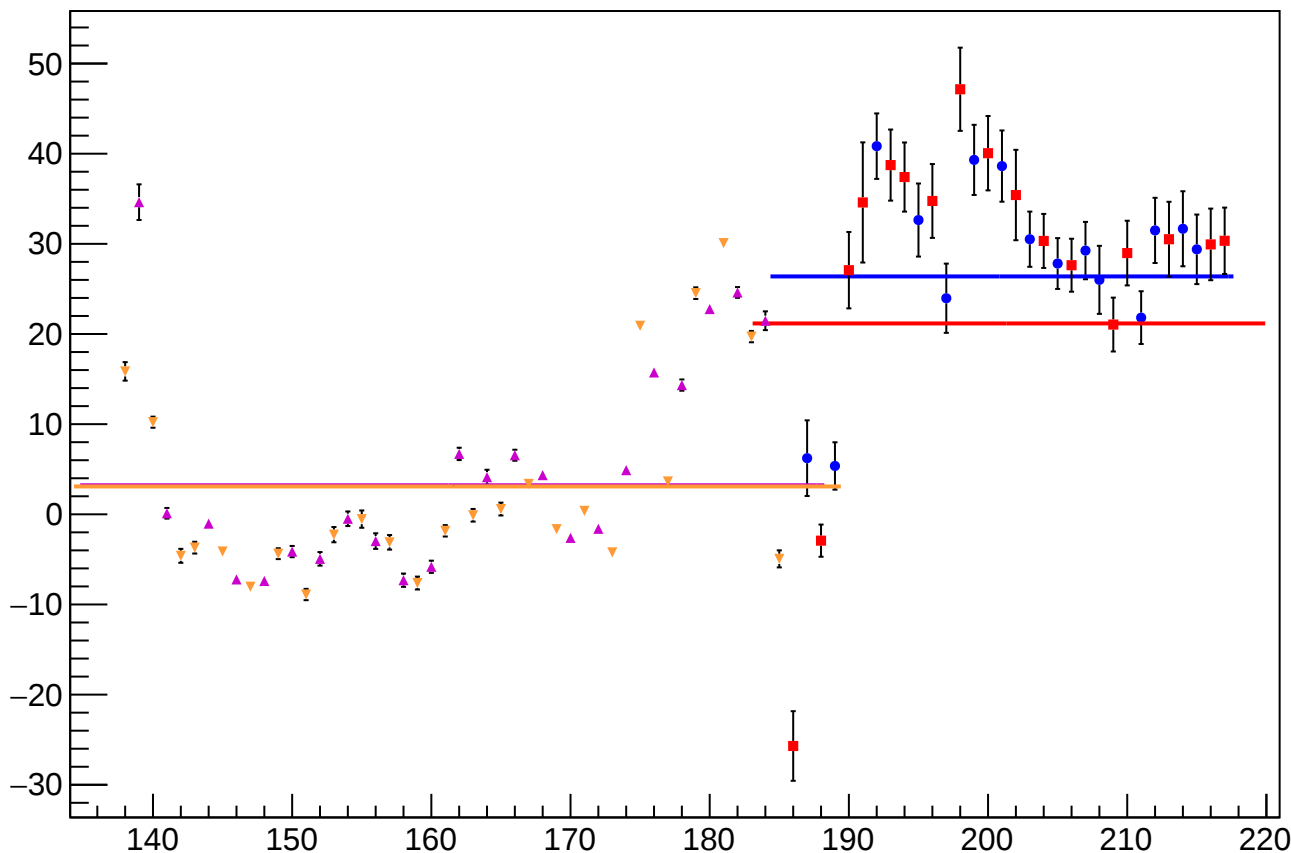
reg_asym_sam_3748_avg_diff_bpm1X_slope vs Slug



Right In: -13.749 ± 0.587 $\chi^2/\text{NDF}: 890.6/14$
 Left Out: -29.180 ± 0.157 $\chi^2/\text{NDF}: 16912.2/24$
 Right Out: -8.768 ± 0.568 $\chi^2/\text{NDF}: 1861.6/16$
 Left In: -29.003 ± 0.160 $\chi^2/\text{NDF}: 13416.8/22$

+ sign -28.154 ± 0.151 $\chi^2/\text{NDF}: 18447.3/39$
 All: -27.841 ± 0.108 $\chi^2/\text{NDF}: 34910.5/79$
 - sign -27.519 ± 0.154 $\chi^2/\text{NDF}: 16454.5/39$

reg_asym_sam_3748_avg_diff_bpm4aY_slope vs Slug



Right In: 26.387 ± 0.892 $\chi^2/\text{NDF}: 135.9/14$

Left Out: 3.091 ± 0.124 $\chi^2/\text{NDF}: 8084.1/24$

Right Out: 21.172 ± 0.842 $\chi^2/\text{NDF}: 480.1/16$

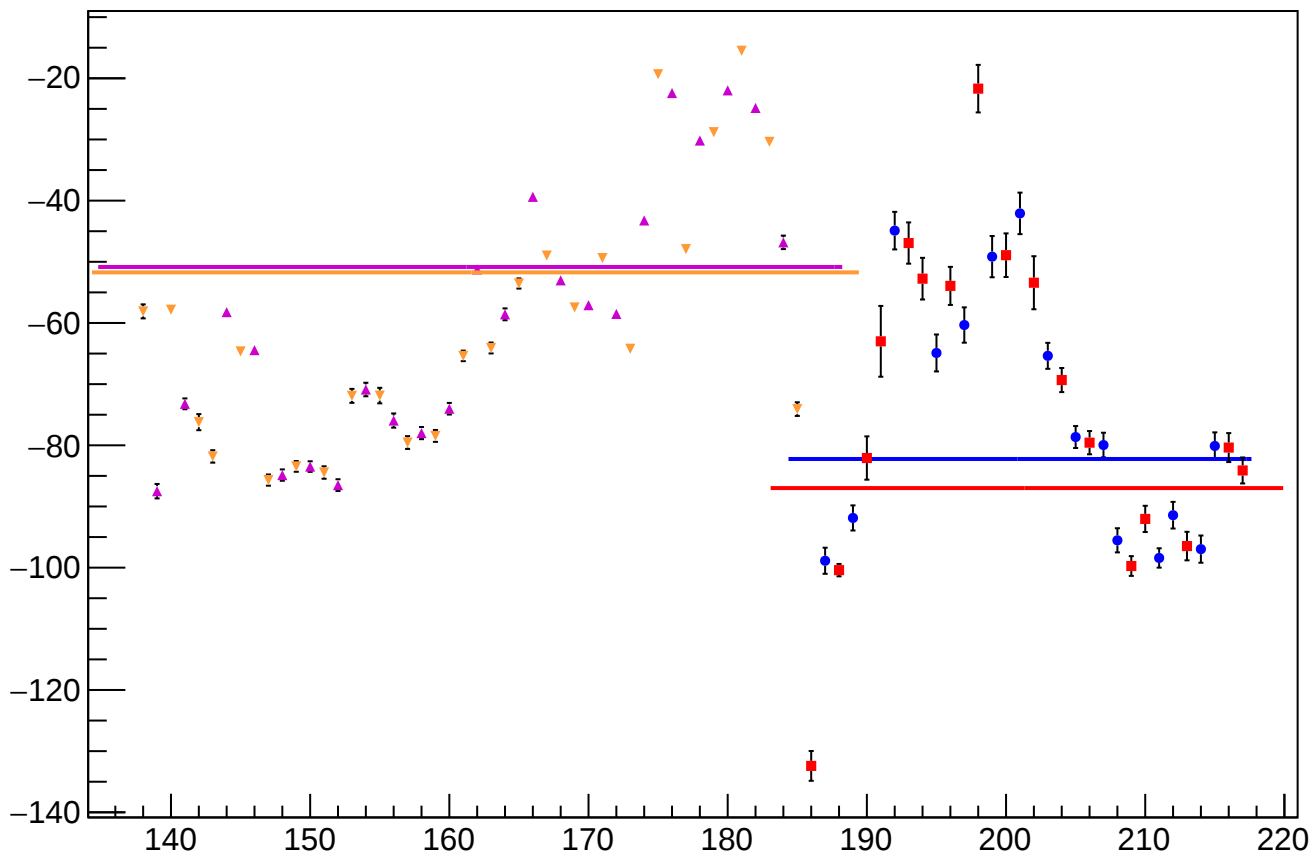
Left In: 3.221 ± 0.127 $\chi^2/\text{NDF}: 6237.6/22$

+ sign 3.535 ± 0.123 $\chi^2/\text{NDF}: 8888.8/39$

All: 3.577 ± 0.088 $\chi^2/\text{NDF}: 16050.7/79$

- sign 3.620 ± 0.126 $\chi^2/\text{NDF}: 7161.7/39$

reg_asym_sam_3748_avg_diff_bpm4eX_slope vs Slug



Right In: -82.236 ± 0.576 χ^2/NDF : 837.9/14

Left Out: -51.729 ± 0.158 χ^2/NDF : 19538.0/24

Right Out: -86.992 ± 0.538 χ^2/NDF : 1544.4/16

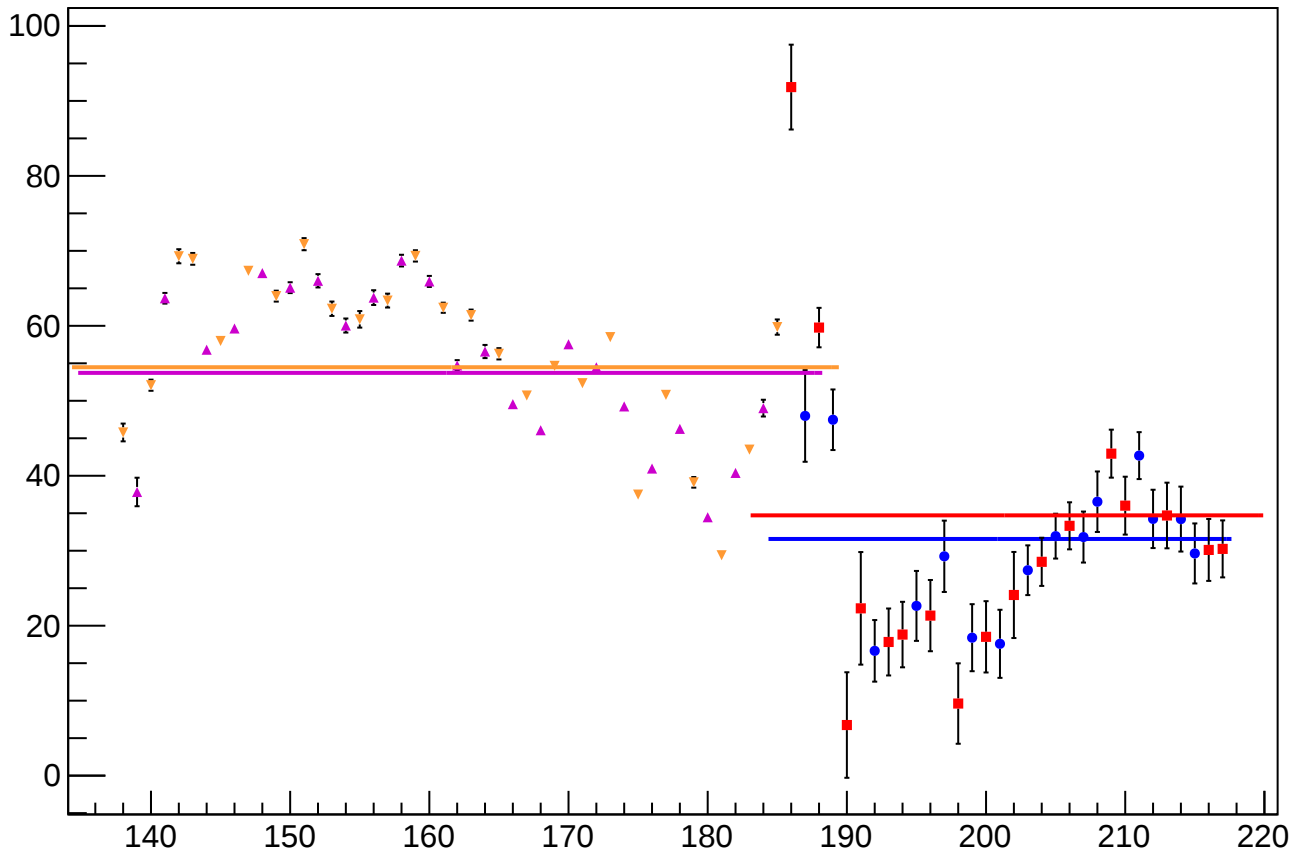
Left In: -50.844 ± 0.160 χ^2/NDF : 17272.0/22

+ sign -53.862 ± 0.152 χ^2/NDF : 22985.8/39

All: -53.823 ± 0.108 χ^2/NDF : 45946.8/79

- sign -53.783 ± 0.153 χ^2/NDF : 22960.9/39

reg_asym_sam_3748_avg_diff_bpm4eY_slope vs Slug



Right In: 31.570 $\pm$ 1.015 χ^2 /NDF: 74.8/14

Left Out: 54.476 $\pm$ 0.140 χ^2 /NDF: 6266.9/24

Right Out: 34.718 $\pm$ 0.994 χ^2 /NDF: 296.7/16

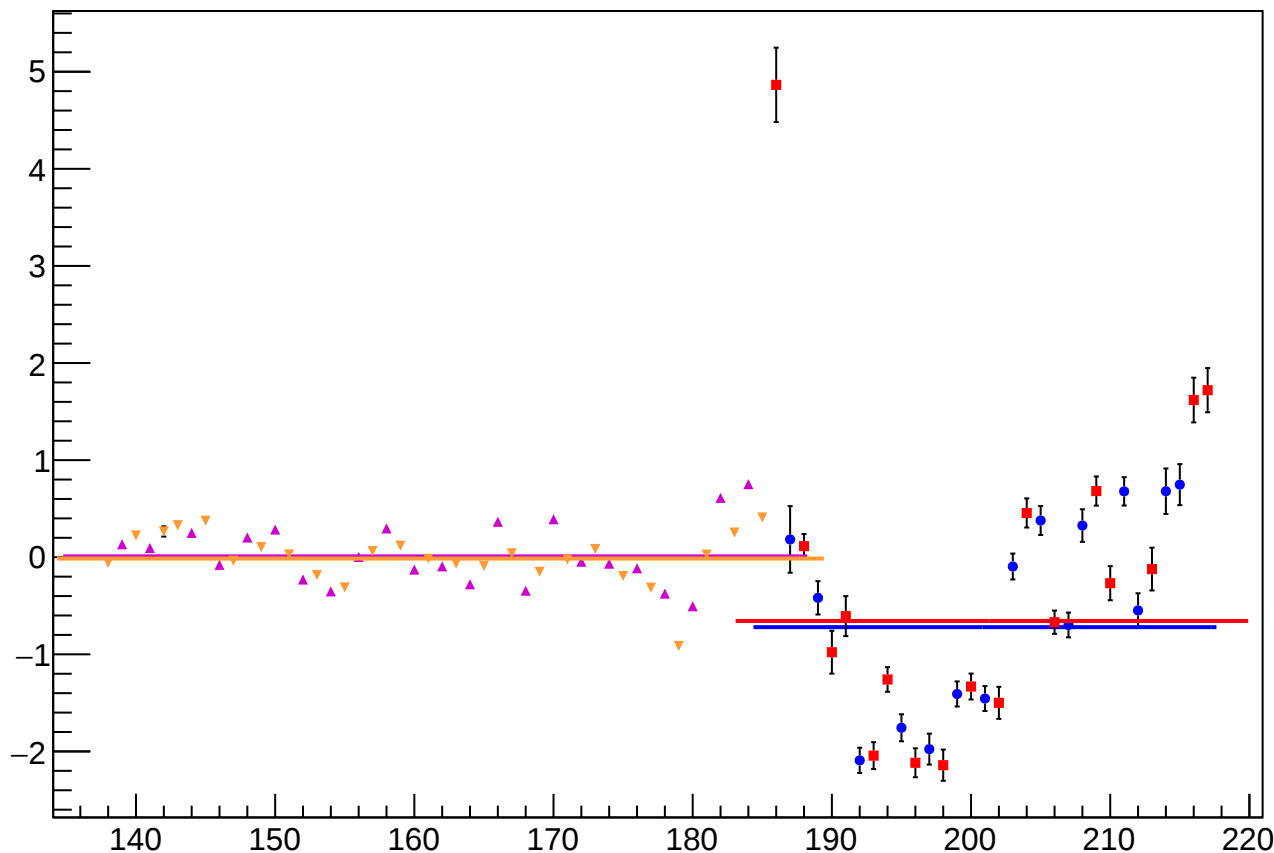
Left In: 53.724 $\pm$ 0.143 χ^2 /NDF: 4585.7/22

+ sign 54.047 $\pm$ 0.139 χ^2 /NDF: 6841.2/39

All: 53.699 $\pm$ 0.099 χ^2 /NDF: 12094.7/79

- sign 53.337 $\pm$ 0.142 χ^2 /NDF: 5240.8/39

reg_asym_sam_3748_avg_diff_bpm12X_slope vs Slug



Right In: -0.720 ± 0.040 χ^2/NDF : 592.3/14

Left Out: -0.014 ± 0.006 χ^2/NDF : 1654.7/24

Right Out: -0.657 ± 0.039 χ^2/NDF : 955.1/16

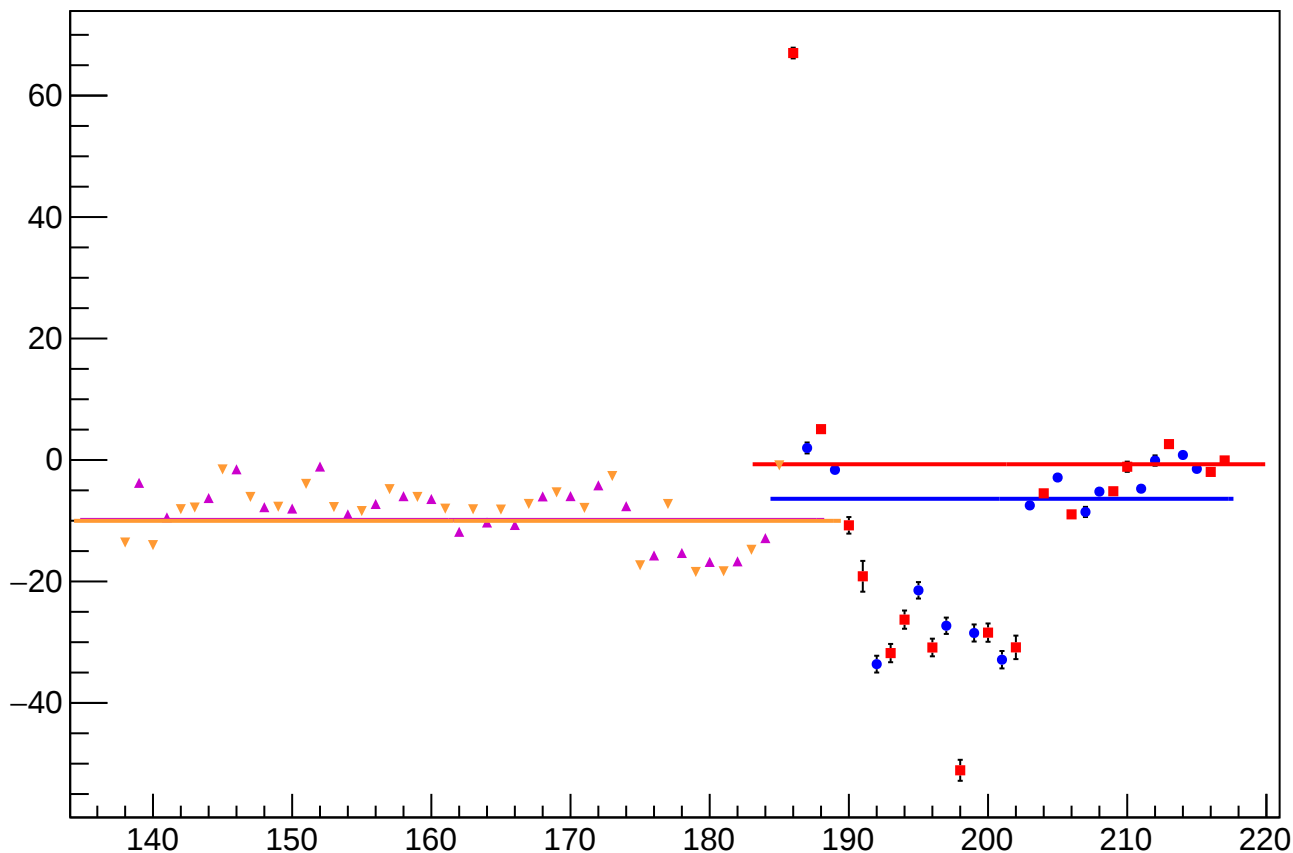
Left In: 0.009 ± 0.007 χ^2/NDF : 2220.5/22

+ sign -0.032 ± 0.006 χ^2/NDF : 2553.9/39

All: -0.021 ± 0.005 χ^2/NDF : 6018.0/79

- sign -0.009 ± 0.006 χ^2/NDF : 3458.0/39

reg_asym_sam_1526_avg_diff_bpm1X_slope vs Slug



Right In: -6.388 ± 0.222 χ^2/NDF : 1702.3/14

Left Out: -10.017 ± 0.051 χ^2/NDF : 12552.8/24

Right Out: -0.702 ± 0.212 χ^2/NDF : 8936.7/16

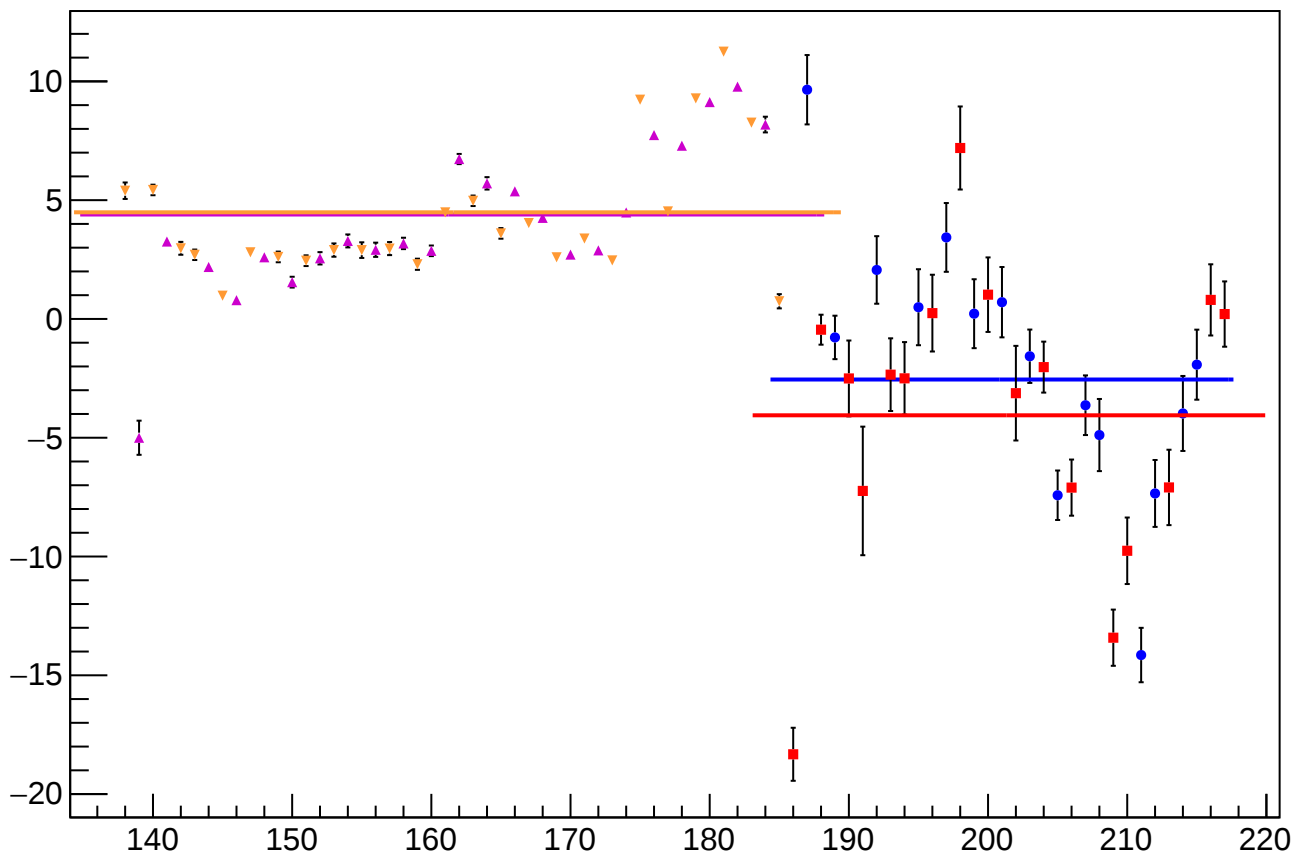
Left In: -9.865 ± 0.051 χ^2/NDF : 9345.4/22

+ sign -9.837 ± 0.049 χ^2/NDF : 14509.0/39

All: -9.599 ± 0.035 χ^2/NDF : 34609.4/79

- sign -9.355 ± 0.050 χ^2/NDF : 20053.2/39

reg_asym_sam_1526_avg_diff_bpm4aY_slope vs Slug



Right In: -2.549 ± 0.336 χ^2/NDF : 254.2/14

Left Out: 4.489 ± 0.041 χ^2/NDF : 4832.3/24

Right Out: -4.056 ± 0.312 χ^2/NDF : 373.1/16

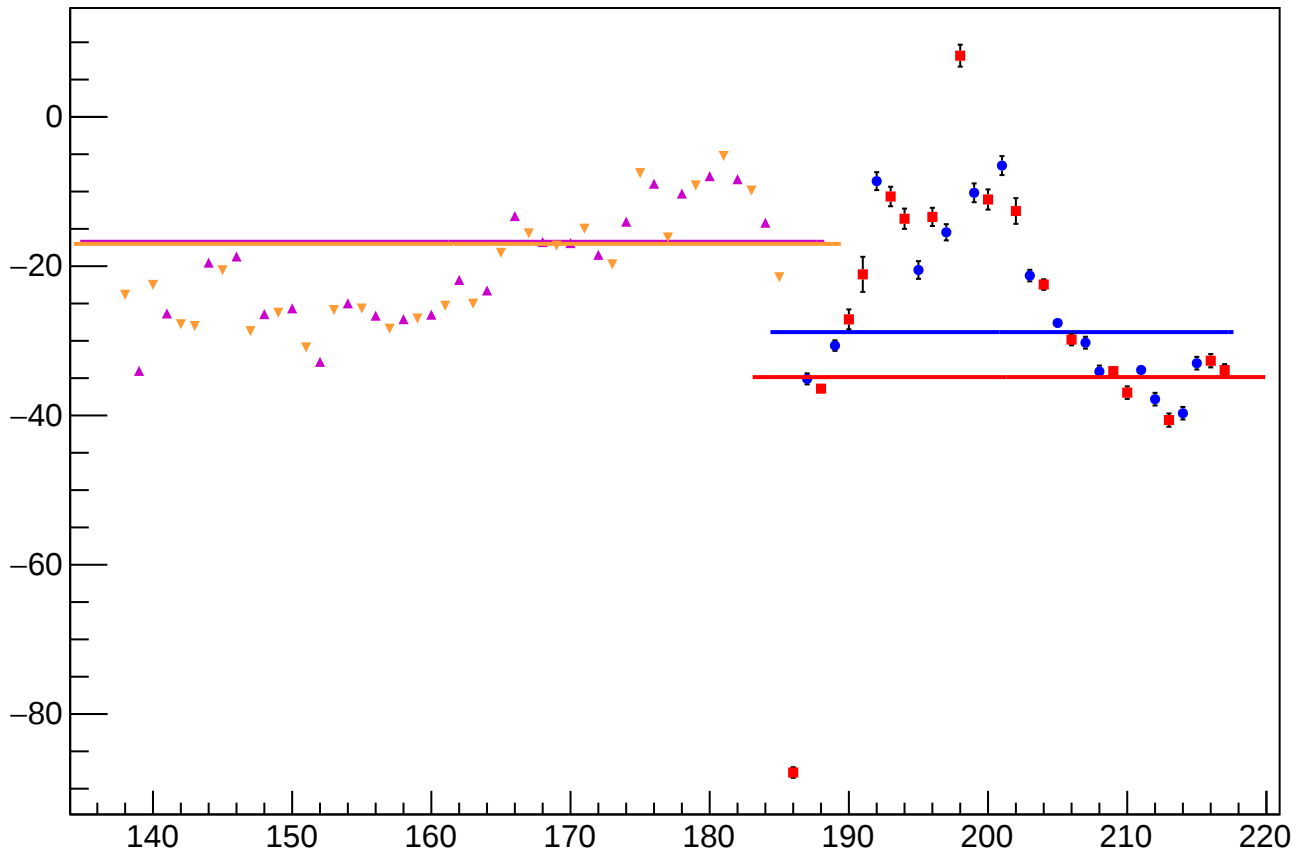
Left In: 4.396 ± 0.041 χ^2/NDF : 4230.4/22

+ sign 4.387 ± 0.040 χ^2/NDF : 5519.6/39

All: 4.320 ± 0.029 χ^2/NDF : 10848.6/79

- sign 4.251 ± 0.041 χ^2/NDF : 5323.4/39

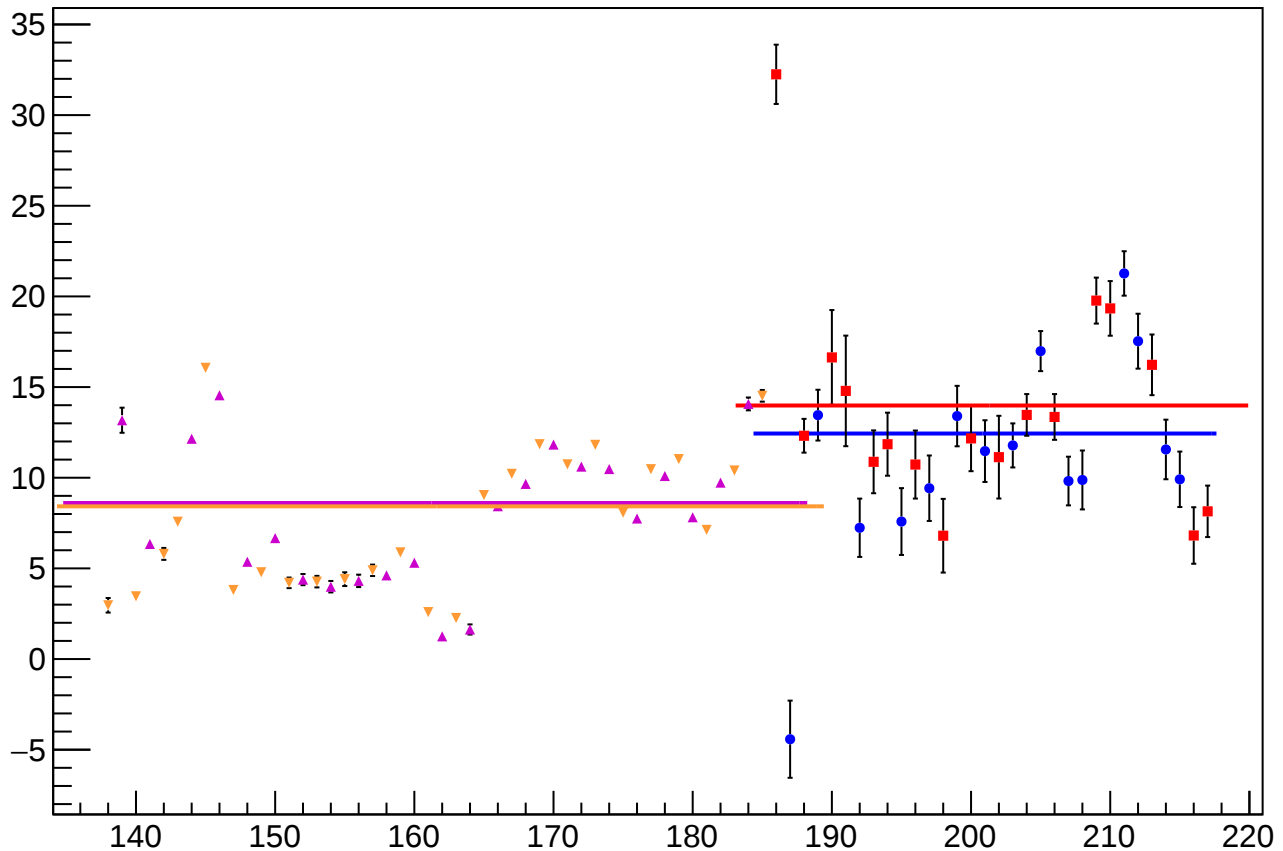
reg_asym_sam_1526_avg_diff_bpm4eX_slope vs Slug



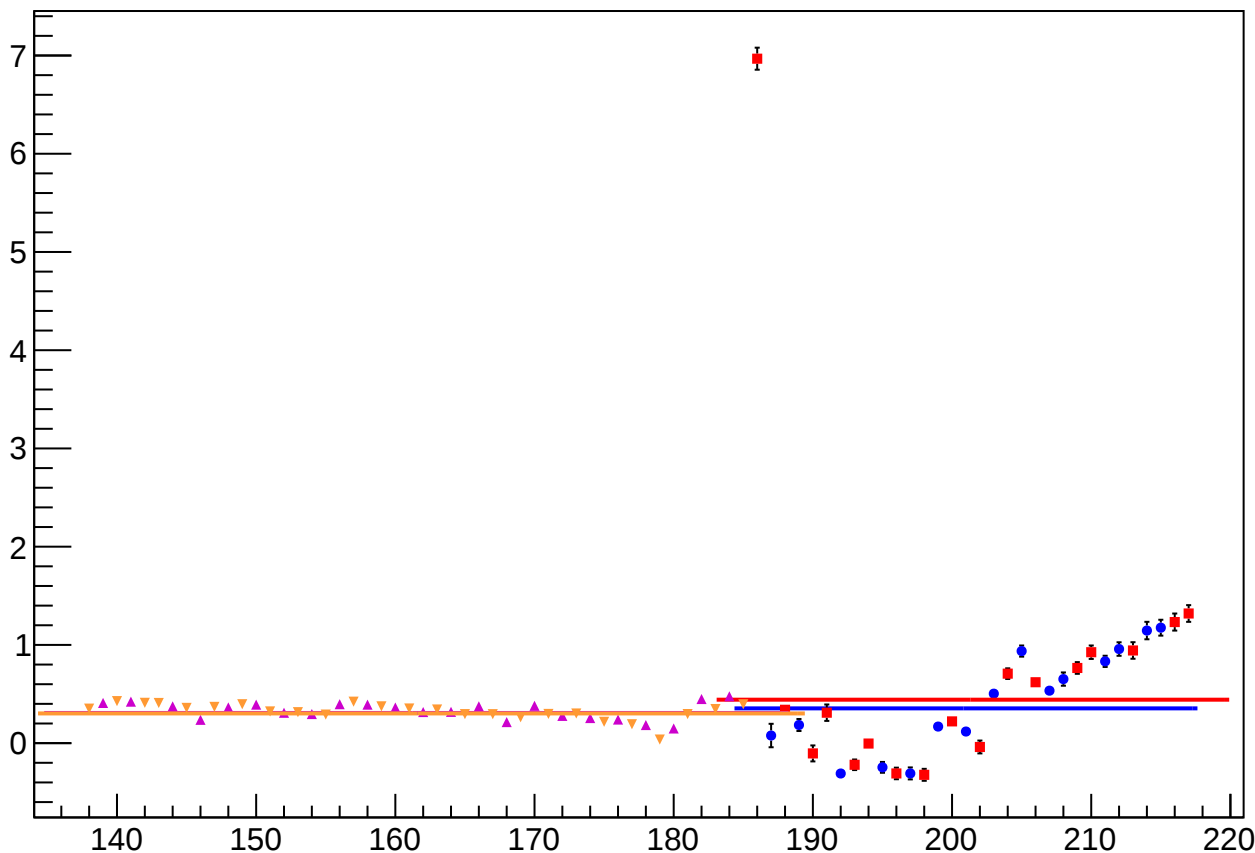
Right In: -28.832 ± 0.217 χ^2/NDF : 1605.0/14
 Left Out: -17.008 ± 0.051 χ^2/NDF : 22094.7/24
 Right Out: -34.860 ± 0.199 χ^2/NDF : 8275.1/16
 Left In: -16.732 ± 0.052 χ^2/NDF : 18777.2/22

+ sign -17.628 ± 0.050 χ^2/NDF : 26509.3/39
 All: -17.750 ± 0.035 χ^2/NDF : 61366.7/79
 - sign -17.873 ± 0.050 χ^2/NDF : 34845.3/39

reg_asym_sam_1526_avg_diff_bpm4eY_slope vs Slug



reg_asym_sam_1526_avg_diff_bpm12X_slope vs Slug



Right In: 0.354 ± 0.015 χ^2/NDF : 935.8/14

Left Out: 0.302 ± 0.002 χ^2/NDF : 1590.9/24

Right Out: 0.442 ± 0.015 χ^2/NDF : 4400.1/16

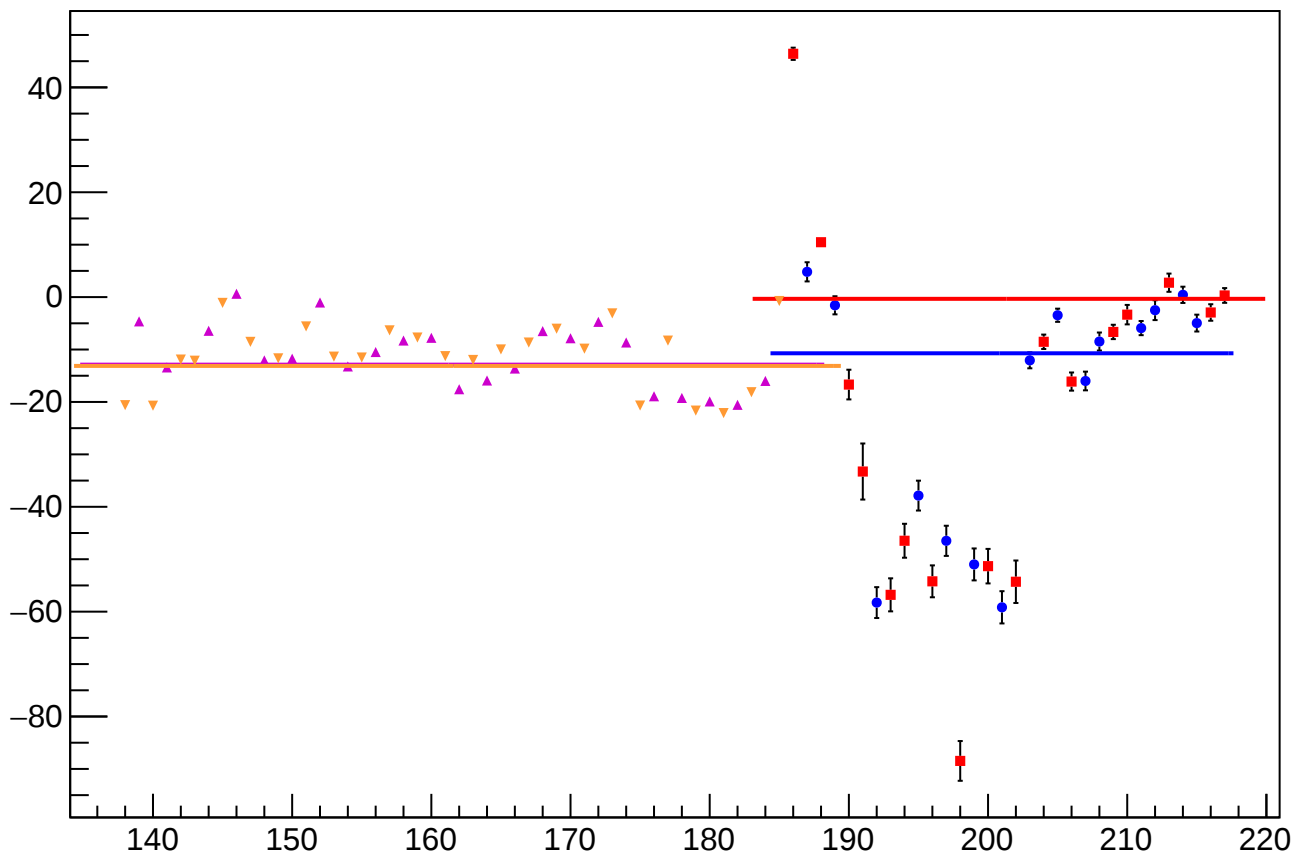
Left In: 0.307 ± 0.002 χ^2/NDF : 1699.5/22

+ sign 0.303 ± 0.002 χ^2/NDF : 2538.0/39

All: 0.307 ± 0.001 χ^2/NDF : 8722.5/79

- sign 0.310 ± 0.002 χ^2/NDF : 6179.7/39

reg_asym_sam_3726_avg_diff_bpm1X_slope vs Slug



Right In: -10.717 ± 0.469 $\chi^2/\text{NDF}: 1170.4/14$

Left Out: -13.125 ± 0.094 $\chi^2/\text{NDF}: 5977.6/24$

Right Out: -0.330 ± 0.426 $\chi^2/\text{NDF}: 3755.4/16$

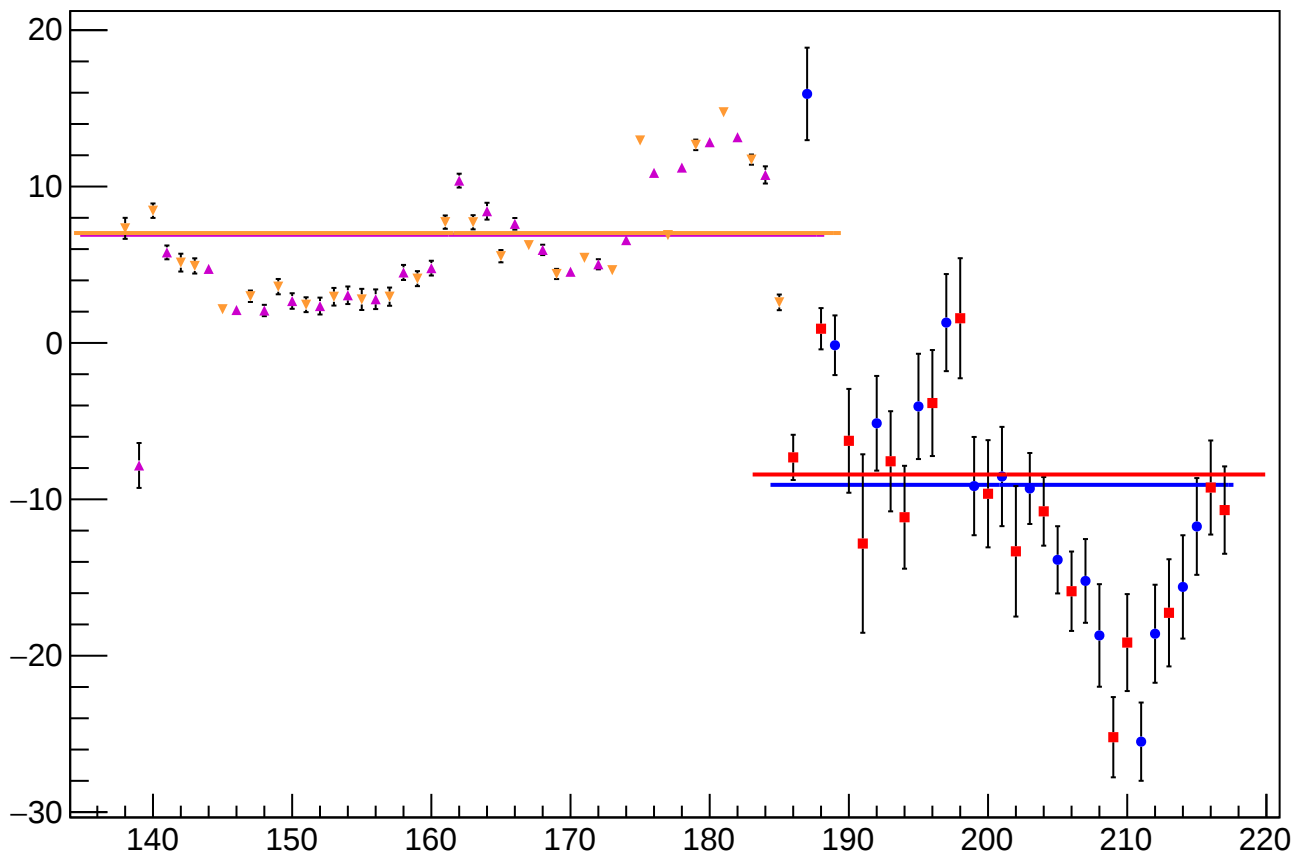
Left In: -12.885 ± 0.095 $\chi^2/\text{NDF}: 4776.2/22$

+ sign -13.032 ± 0.092 $\chi^2/\text{NDF}: 7173.4/39$

All: -12.665 ± 0.065 $\chi^2/\text{NDF}: 16563.2/79$

- sign -12.290 ± 0.093 $\chi^2/\text{NDF}: 9357.5/39$

reg_asym_sam_3726_avg_diff_bpm4aY_slope vs Slug



Right In: -9.074 ± 0.709 χ^2/NDF : 184.3/14

Left Out: 7.028 ± 0.077 χ^2/NDF : 2665.3/24

Right Out: -8.412 ± 0.620 χ^2/NDF : 134.4/16

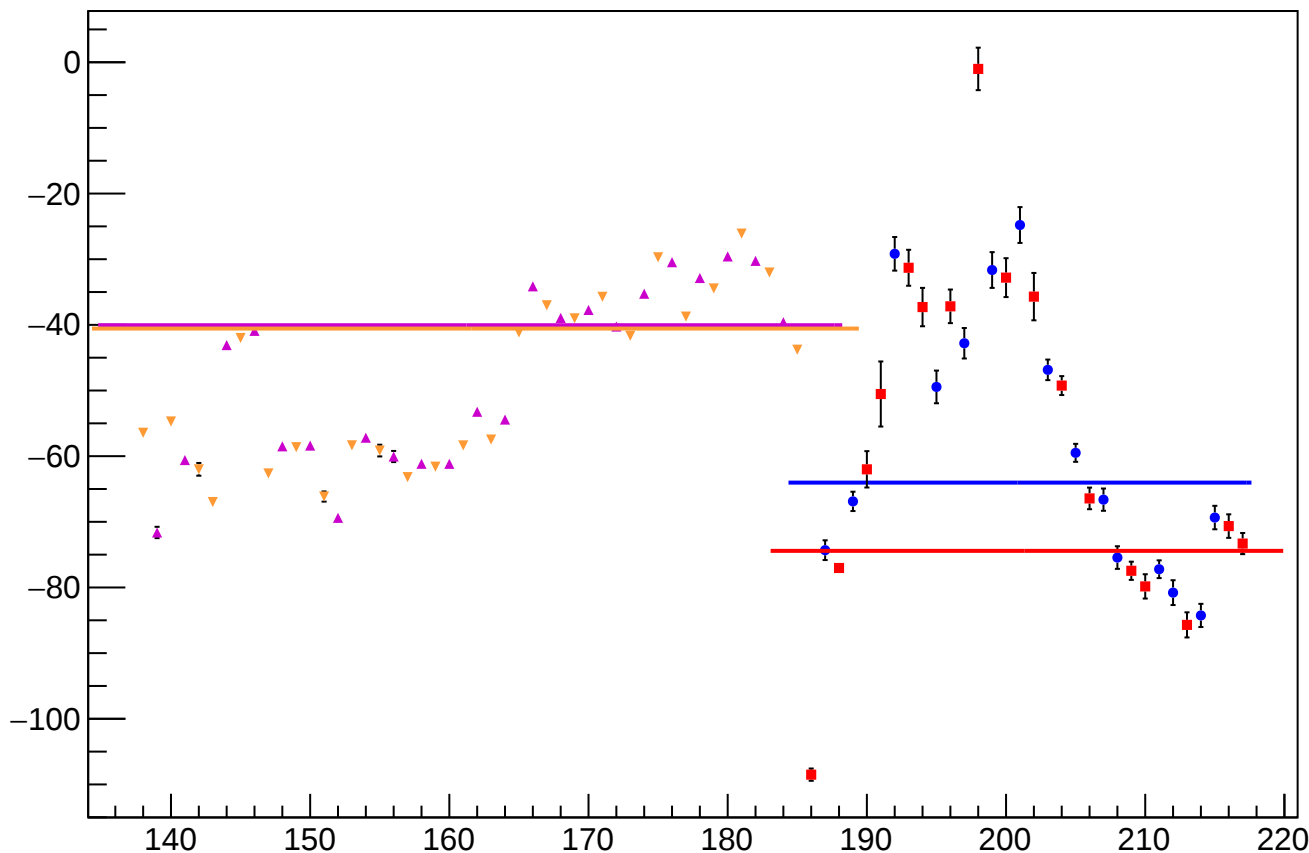
Left In: 6.914 ± 0.078 χ^2/NDF : 2428.2/22

+ sign 6.839 ± 0.077 χ^2/NDF : 3359.8/39

All: 6.758 ± 0.054 χ^2/NDF : 6527.1/79

- sign 6.676 ± 0.077 χ^2/NDF : 3165.0/39

reg_asym_sam_3726_avg_diff_bpm4eX_slope vs Slug



Right In: -64.028 ± 0.458 χ^2/NDF : 1193.4/14

Left Out: -40.563 ± 0.095 χ^2/NDF : 15637.6/24

Right Out: -74.422 ± 0.395 χ^2/NDF : 3213.1/16

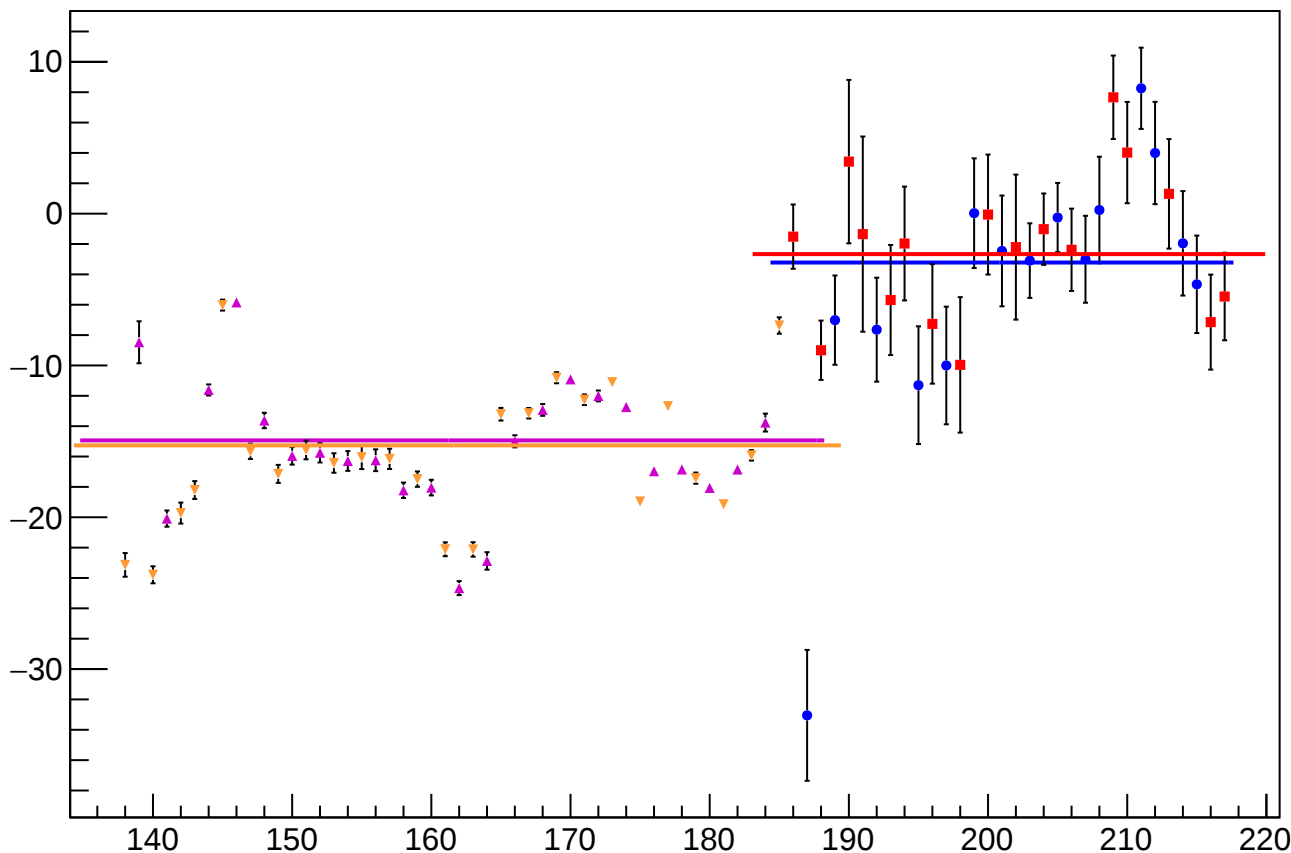
Left In: -40.053 ± 0.096 χ^2/NDF : 13927.3/22

+ sign -41.524 ± 0.093 χ^2/NDF : 19344.2/39

All: -41.740 ± 0.066 χ^2/NDF : 43643.6/79

- sign -41.956 ± 0.093 χ^2/NDF : 24288.6/39

reg_asym_sam_3726_avg_diff_bpm4eY_slope vs Slug



Right In: -3.219+/-0.814 χ^2/NDF : 85.4/14

Left Out: -15.266+/-0.086 χ^2/NDF : 2595.5/24

Right Out: -2.665+/-0.756 χ^2/NDF : 40.2/16

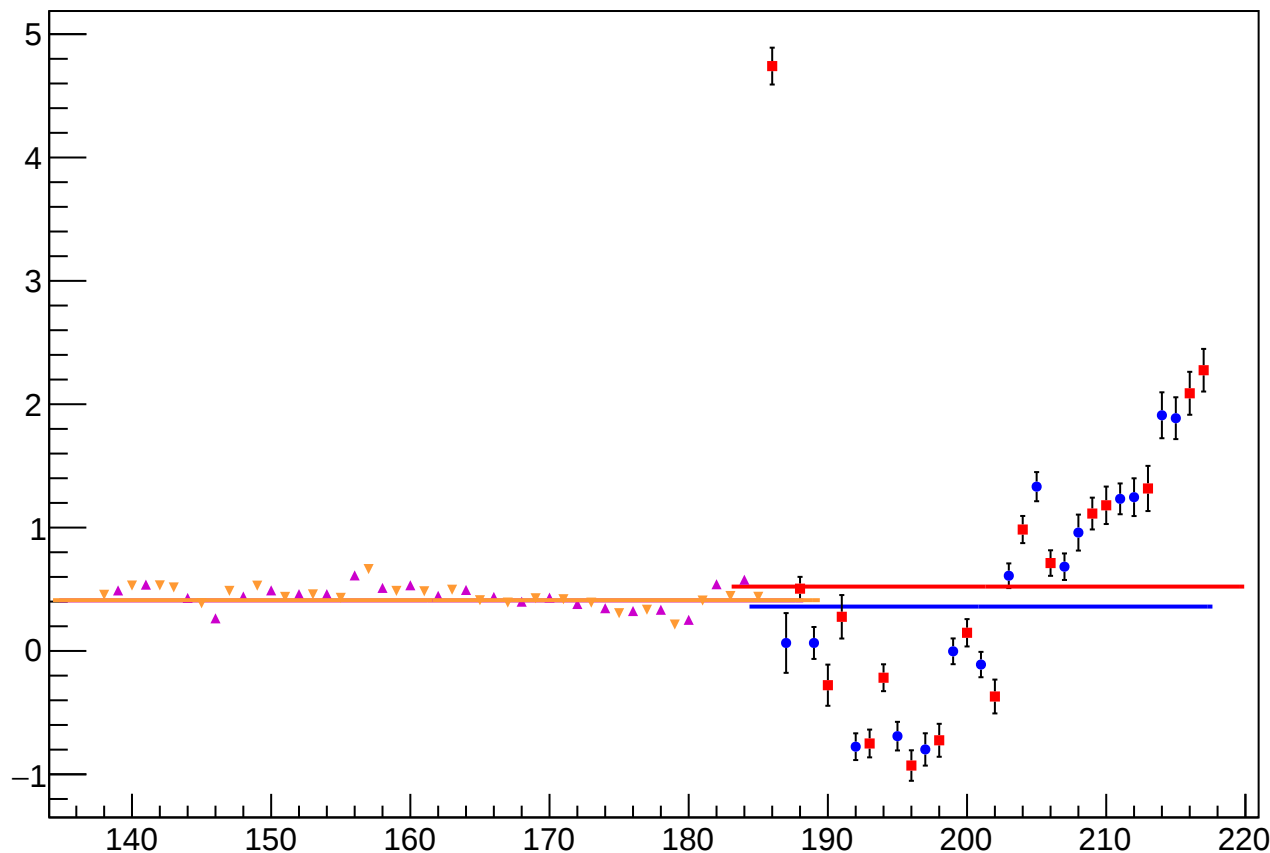
Left In: -14.936+/-0.087 χ^2/NDF : 2199.7/22

+ sign -15.133+/-0.085 χ^2/NDF : 2897.7/39

All: -14.956+/-0.061 χ^2/NDF : 5406.4/79

- sign -14.776+/-0.086 χ^2/NDF : 2500.1/39

reg_asym_sam_3726_avg_diff_bpm12X_slope vs Slug



Right In: 0.360 ± 0.032 χ^2/NDF : 642.6/14

Left Out: 0.411 ± 0.004 χ^2/NDF : 428.7/24

Right Out: 0.522 ± 0.031 χ^2/NDF : 1538.3/16

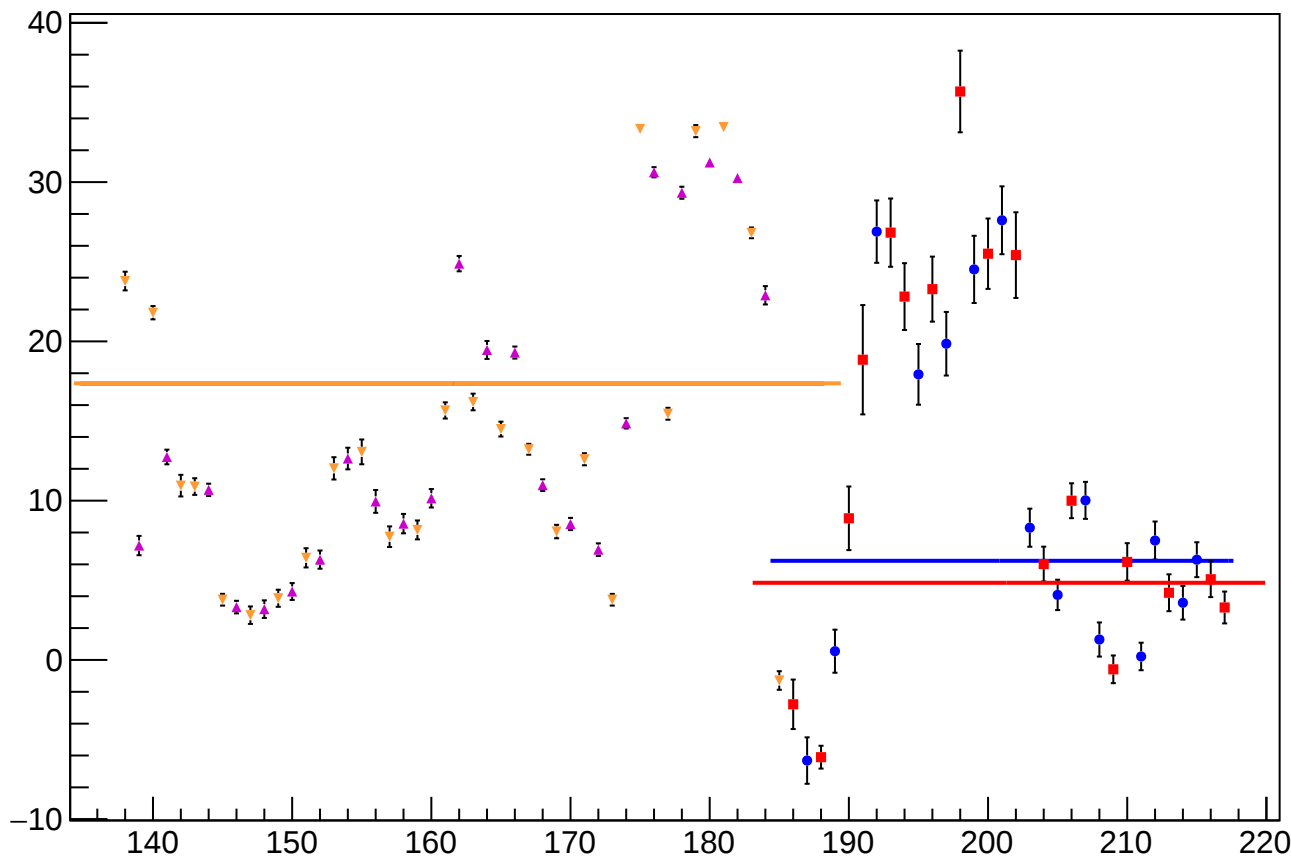
Left In: 0.409 ± 0.004 χ^2/NDF : 557.8/22

+ sign 0.411 ± 0.004 χ^2/NDF : 1073.8/39

All: 0.411 ± 0.003 χ^2/NDF : 3182.6/79

- sign 0.411 ± 0.004 χ^2/NDF : 2108.8/39

reg_asym_sam_15_48_dd_diff_bpm1X_slope vs Slug



Right In: 6.224 ± 0.326 χ^2/NDF : 558.7/14

Left Out: 17.367 ± 0.087 χ^2/NDF : 16337.6/24

Right Out: 4.844 ± 0.314 χ^2/NDF : 895.6/16

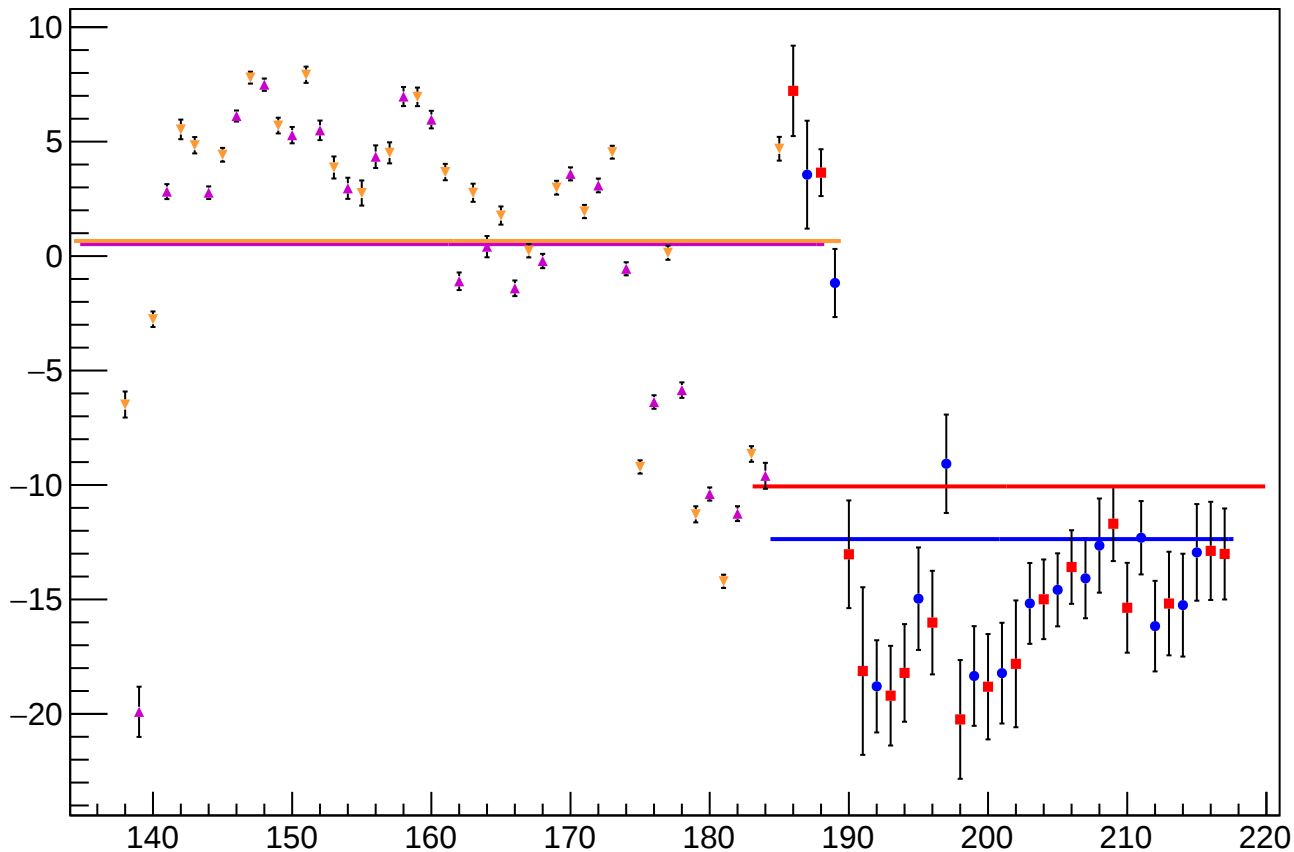
Left In: 17.355 ± 0.089 χ^2/NDF : 12745.1/22

+ sign 16.623 ± 0.084 χ^2/NDF : 17989.5/39

All: 16.527 ± 0.060 χ^2/NDF : 33101.3/79

- sign 16.428 ± 0.086 χ^2/NDF : 15109.1/39

reg_asym_sam_15_48_dd_diff_bpm4aY_slope vs Slug



Right In: -12.364 ± 0.496 $\chi^2/\text{NDF}: 141.6/14$

Left Out: 0.661 ± 0.069 $\chi^2/\text{NDF}: 8553.9/24$

Right Out: -10.063 ± 0.467 $\chi^2/\text{NDF}: 369.5/16$

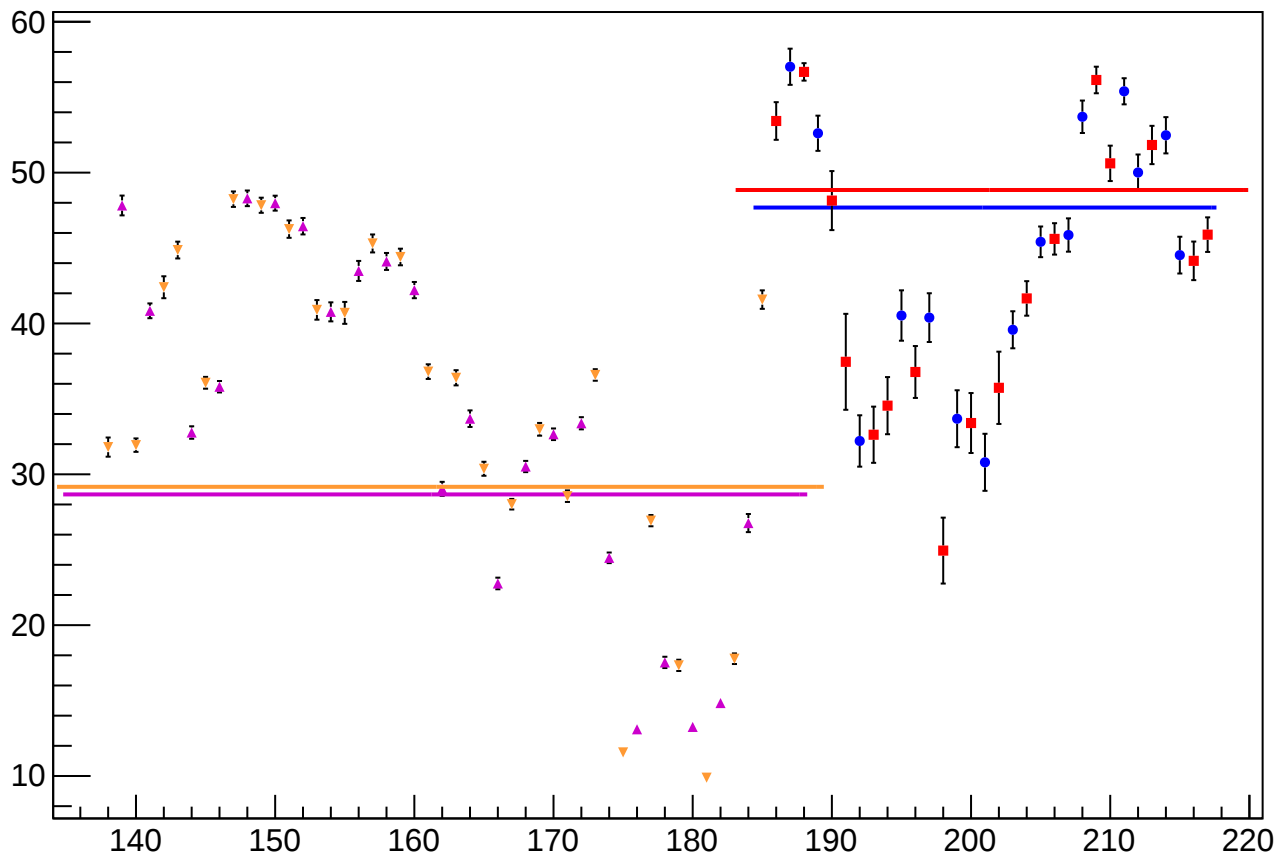
Left In: 0.524 ± 0.071 $\chi^2/\text{NDF}: 6729.7/22$

+ sign 0.411 ± 0.069 $\chi^2/\text{NDF}: 9370.9/39$

All: 0.350 ± 0.049 $\chi^2/\text{NDF}: 16973.5/79$

- sign 0.286 ± 0.070 $\chi^2/\text{NDF}: 7601.0/39$

reg_asym_sam_15_48_dd_diff_bpm4eX_slope vs Slug



Right In: 47.685 $\pm$ 0.320 χ^2 /NDF: 522.8/14

Left Out: 29.171 $\pm$ 0.088 χ^2 /NDF: 18974.7/24

Right Out: 48.849 $\pm$ 0.298 χ^2 /NDF: 747.2/16

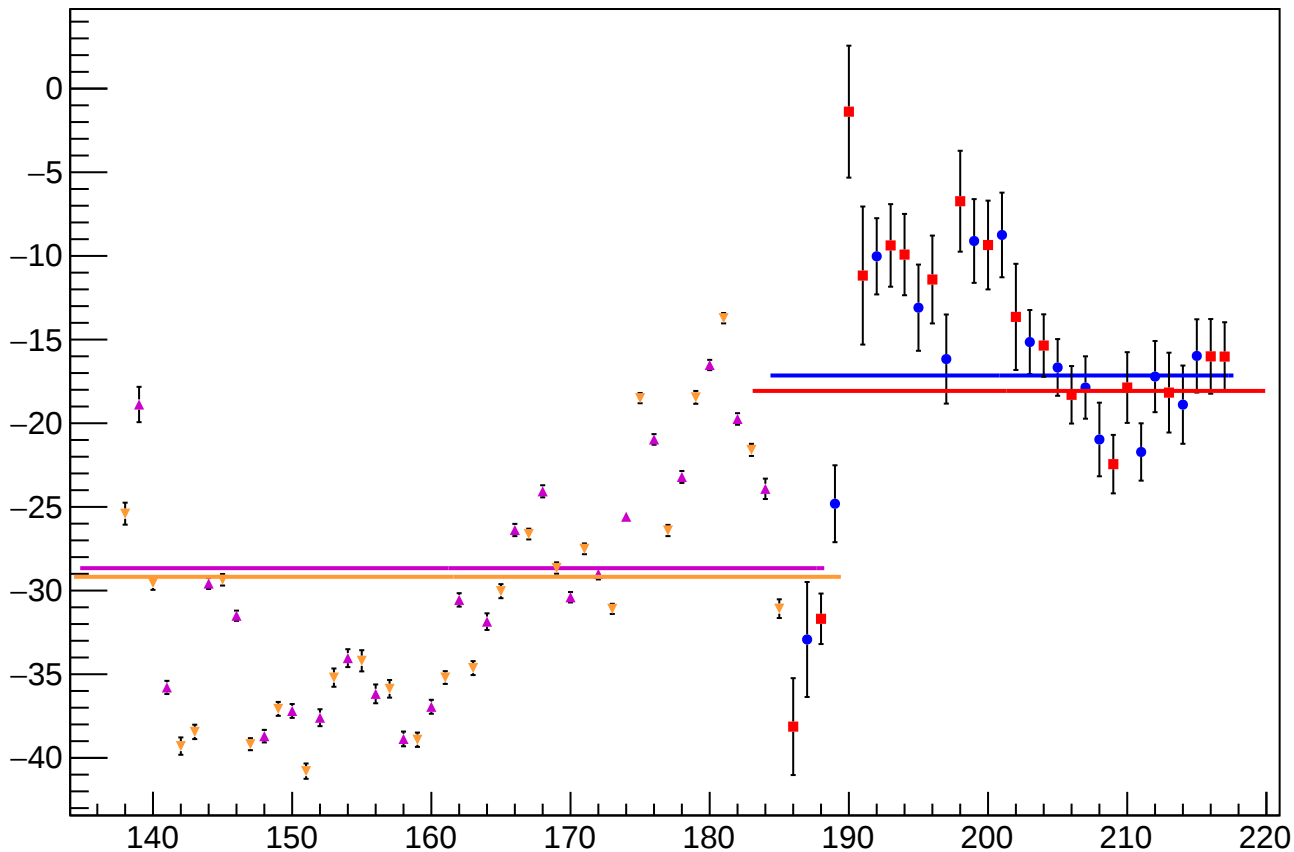
Left In: 28.667 $\pm$ 0.089 χ^2 /NDF: 16847.2/22

+ sign 30.470 $\pm$ 0.085 χ^2 /NDF: 22619.3/39

All: 30.396 $\pm$ 0.060 χ^2 /NDF: 44413.0/79

- sign 30.319 $\pm$ 0.085 χ^2 /NDF: 21792.1/39

reg_asym_sam_15_48_dd_diff_bpm4eY_slope vs Slug



Right In: -17.146 ± 0.564 χ^2/NDF : 78.3/14

Left Out: -29.178 ± 0.078 χ^2/NDF : 9081.4/24

Right Out: -18.068 ± 0.550 χ^2/NDF : 217.4/16

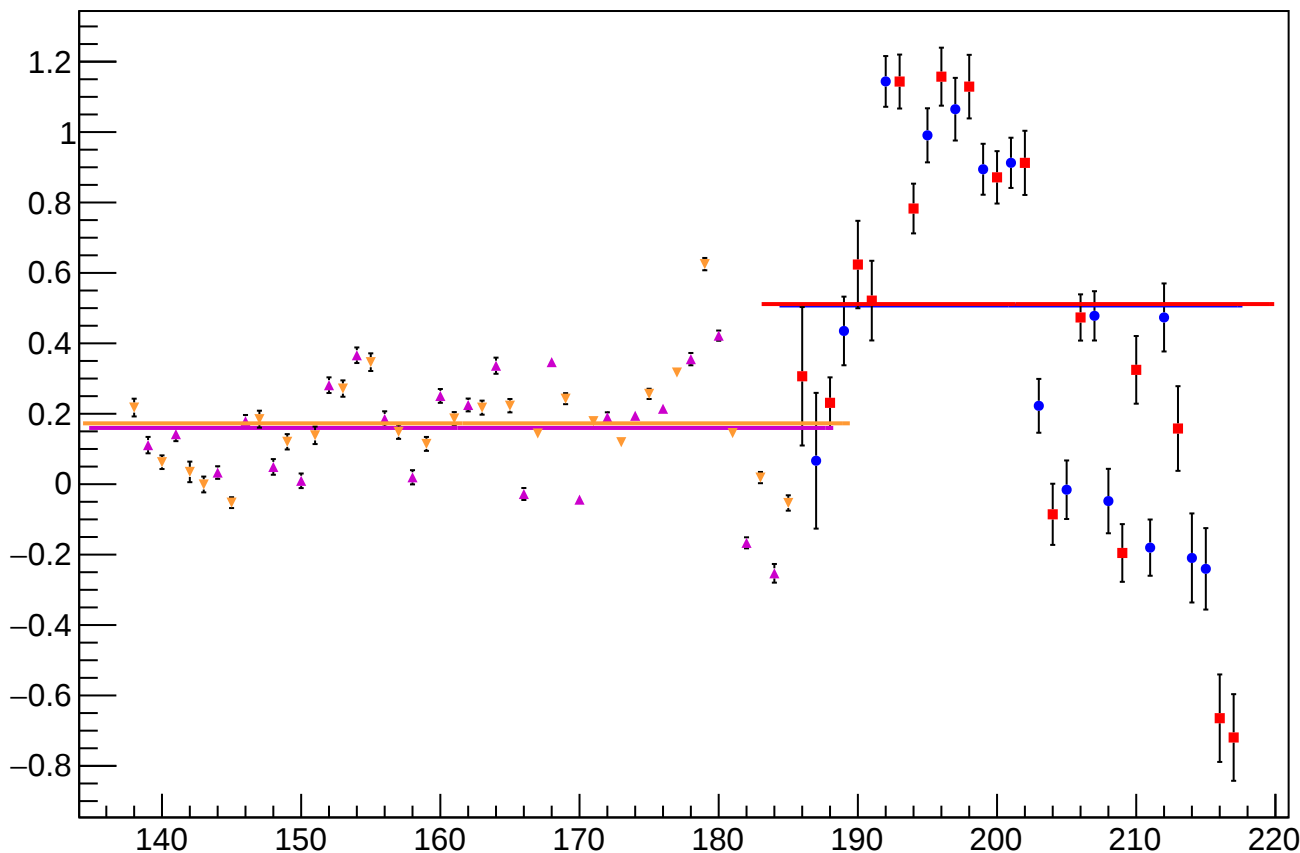
Left In: -28.660 ± 0.080 χ^2/NDF : 6670.1/22

+ sign -28.951 ± 0.077 χ^2/NDF : 9606.2/39

All: -28.702 ± 0.055 χ^2/NDF : 16877.9/79

- sign -28.442 ± 0.079 χ^2/NDF : 7250.5/39

reg_asym_sam_15_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.508 ± 0.022 χ^2/NDF : 462.2/14

Left Out: 0.173 ± 0.004 χ^2/NDF : 1478.5/24

Right Out: 0.512 ± 0.022 χ^2/NDF : 574.9/16

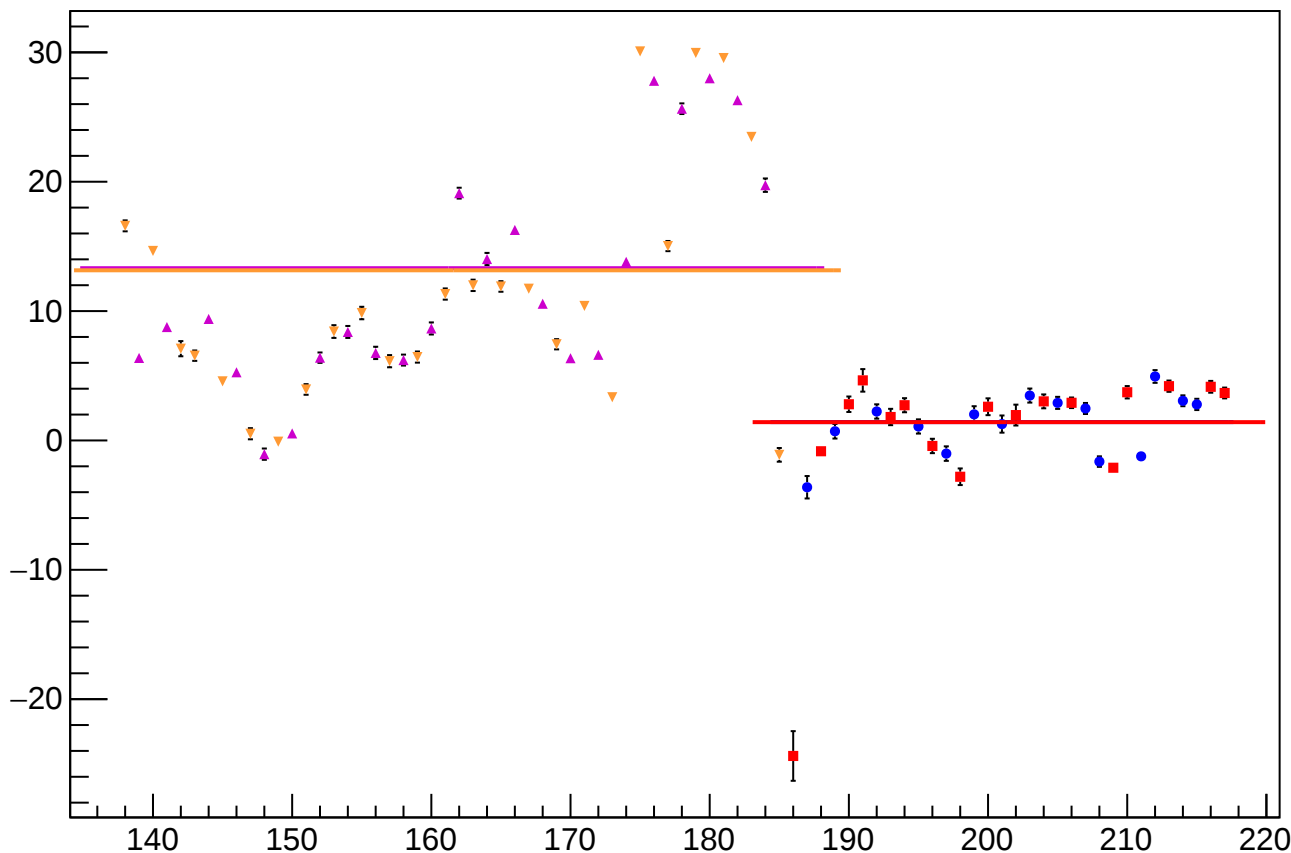
Left In: 0.160 ± 0.004 χ^2/NDF : 2057.9/22

+ sign 0.181 ± 0.004 χ^2/NDF : 2164.4/39

All: 0.176 ± 0.003 χ^2/NDF : 5058.5/79

- sign 0.169 ± 0.004 χ^2/NDF : 2888.5/39

reg_asym_sam_37_48_dd_diff_bpm1X_slope vs Slug



Right In: 1.420+/-0.129 χ^2/NDF : 269.1/14

Left Out: 13.153+/-0.075 χ^2/NDF : 17079.7/24

Right Out: 1.415+/-0.119 χ^2/NDF : 588.2/16

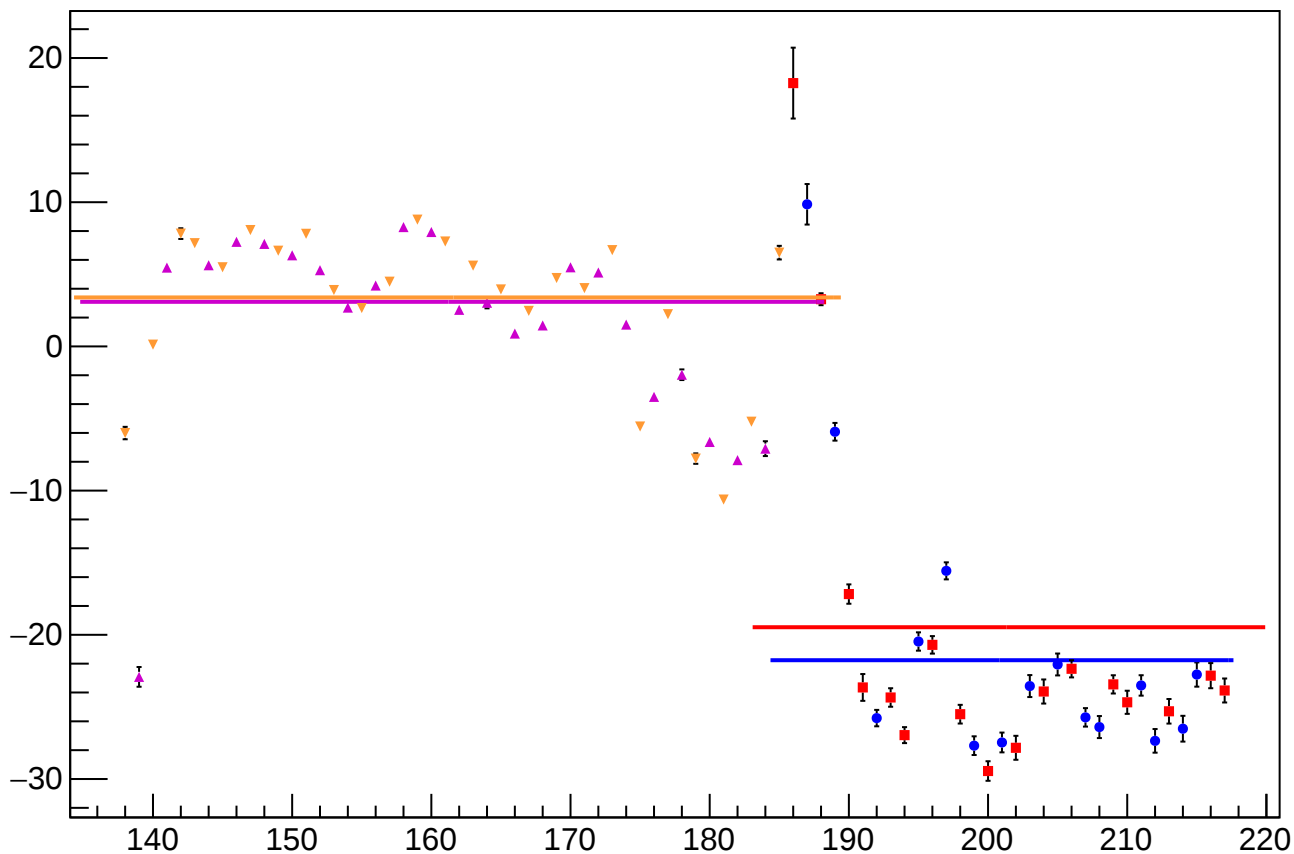
Left In: 13.315+/-0.077 χ^2/NDF : 13977.7/22

+ sign 10.162+/-0.065 χ^2/NDF : 23551.3/39

All: 9.975+/-0.046 χ^2/NDF : 45190.1/79

- sign 9.790+/-0.065 χ^2/NDF : 21622.3/39

reg_asym_sam_37_48_dd_diff_bpm4aY_slope vs Slug



Right In: -21.762 ± 0.183 $\chi^2/\text{NDF}: 1651.6/14$

Left Out: 3.396 ± 0.058 $\chi^2/\text{NDF}: 8101.5/24$

Right Out: -19.474 ± 0.166 $\chi^2/\text{NDF}: 4151.7/16$

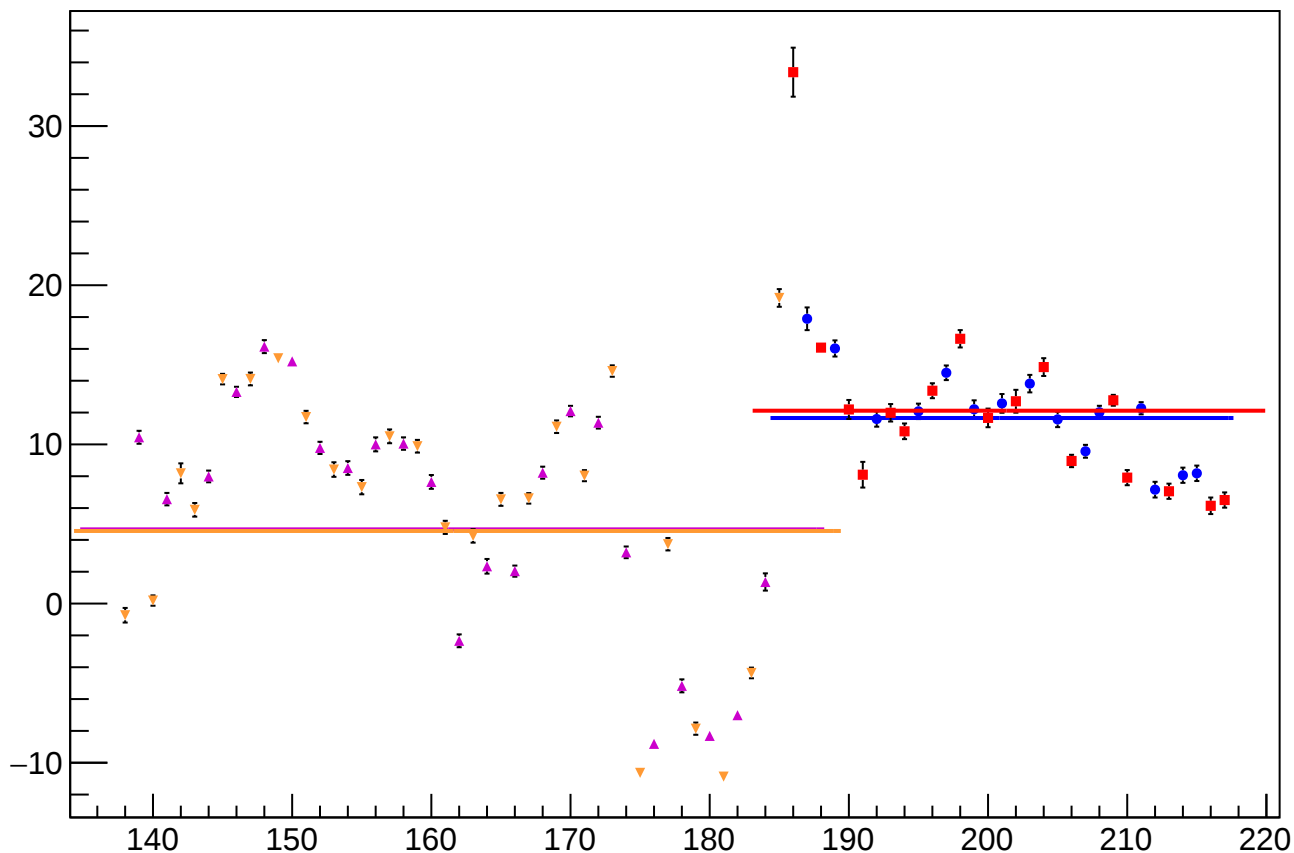
Left In: 3.092 ± 0.061 $\chi^2/\text{NDF}: 7104.4/22$

+ sign 1.072 ± 0.056 $\chi^2/\text{NDF}: 26905.7/39$

All: 0.766 ± 0.040 $\chi^2/\text{NDF}: 54500.3/79$

- sign 0.446 ± 0.057 $\chi^2/\text{NDF}: 27532.7/39$

reg_asym_sam_37_48_dd_diff_bpm4eX_slope vs Slug



Right In: 11.658 $\pm$ 0.125 χ^2 /NDF: 429.4/14

Left Out: 4.561 $\pm$ 0.075 χ^2 /NDF:13592.1/24

Right Out: 12.117 $\pm$ 0.112 χ^2 /NDF: 1152.6/16

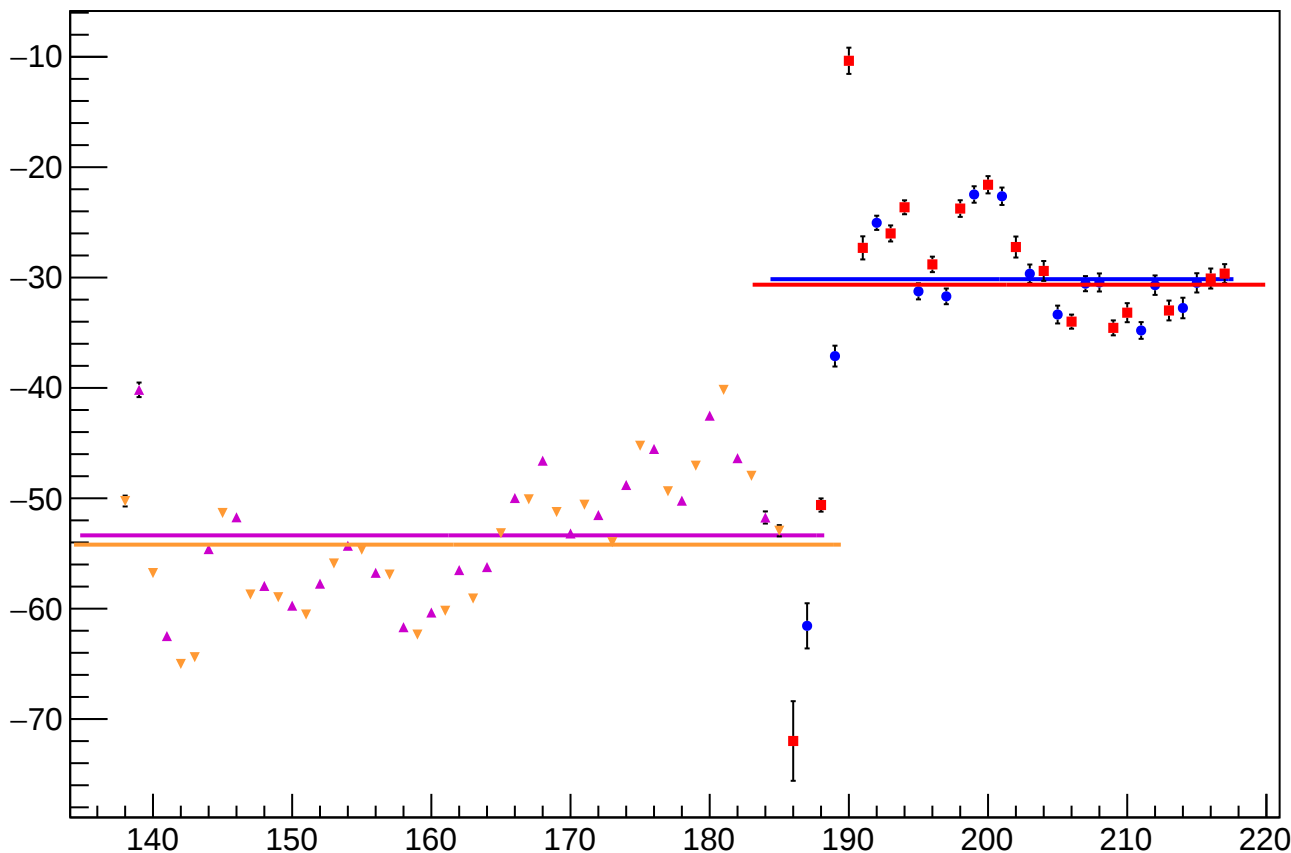
Left In: 4.662 $\pm$ 0.077 χ^2 /NDF:11281.5/22

+ sign 6.463 $\pm$ 0.065 χ^2 /NDF: 16396.5/39

All: 6.755 $\pm$ 0.045 χ^2 /NDF: 31873.2/79

- sign 7.038 $\pm$ 0.063 χ^2 /NDF: 15436.2/39

reg_asym_sam_37_48_dd_diff_bpm4eY_slope vs Slug



Right In: -30.146 ± 0.208 χ^2/NDF : 619.5/14

Left Out: -54.199 ± 0.066 χ^2/NDF : 8454.7/24

Right Out: -30.647 ± 0.194 χ^2/NDF : 2025.7/16

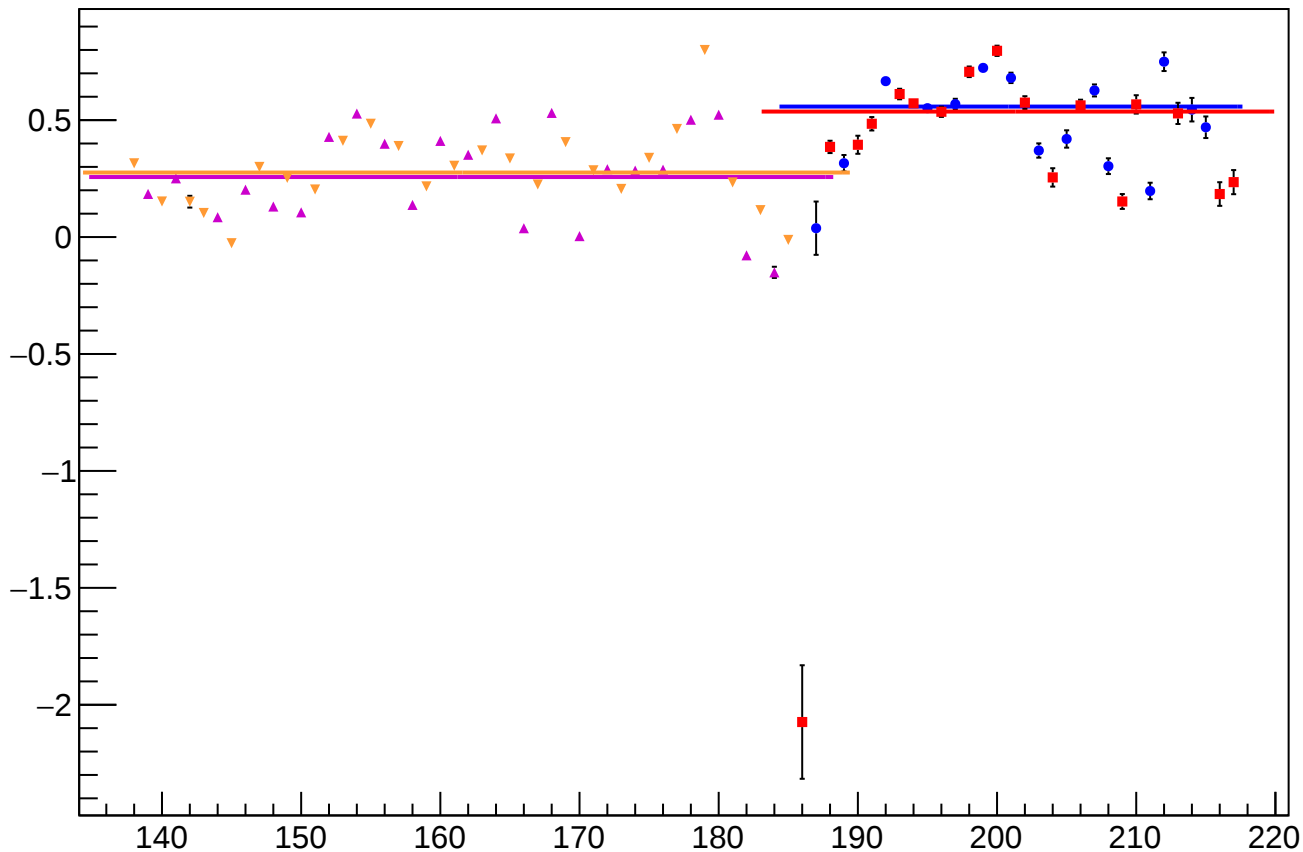
Left In: -53.359 ± 0.068 χ^2/NDF : 6882.0/22

+ sign -51.972 ± 0.063 χ^2/NDF : 21227.2/39

All: -51.424 ± 0.045 χ^2/NDF : 42422.1/79

- sign -50.853 ± 0.065 χ^2/NDF : 21041.8/39

reg_asym_sam_37_48_dd_diff_bpm12X_slope vs Slug



Right In: 0.558 ± 0.007 $\chi^2/\text{NDF}: 434.4/14$

Left Out: 0.276 ± 0.003 $\chi^2/\text{NDF}: 2623.6/24$

Right Out: 0.537 ± 0.007 $\chi^2/\text{NDF}: 661.1/16$

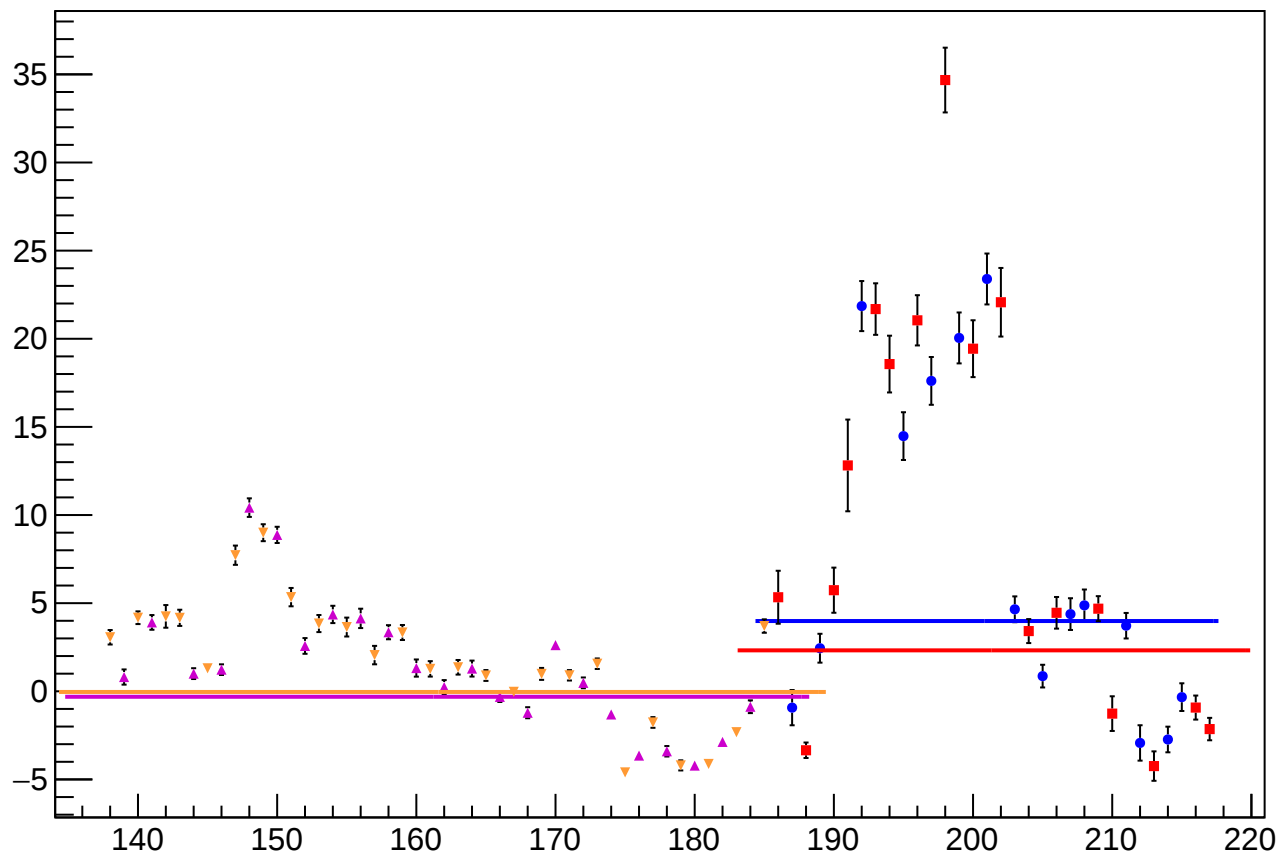
Left In: 0.257 ± 0.003 $\chi^2/\text{NDF}: 3623.9/22$

+ sign 0.317 ± 0.003 $\chi^2/\text{NDF}: 4286.8/39$

All: 0.310 ± 0.002 $\chi^2/\text{NDF}: 9947.4/79$

- sign 0.304 ± 0.003 $\chi^2/\text{NDF}: 5650.5/39$

reg_asym_sam_15_26_dd_diff_bpm1X_slope vs Slug



Right In: 3.986 ± 0.234 $\chi^2/\text{NDF}: 839.9/14$

Left Out: -0.037 ± 0.066 $\chi^2/\text{NDF}: 2637.7/24$

Right Out: 2.323 ± 0.217 $\chi^2/\text{NDF}: 1336.0/16$

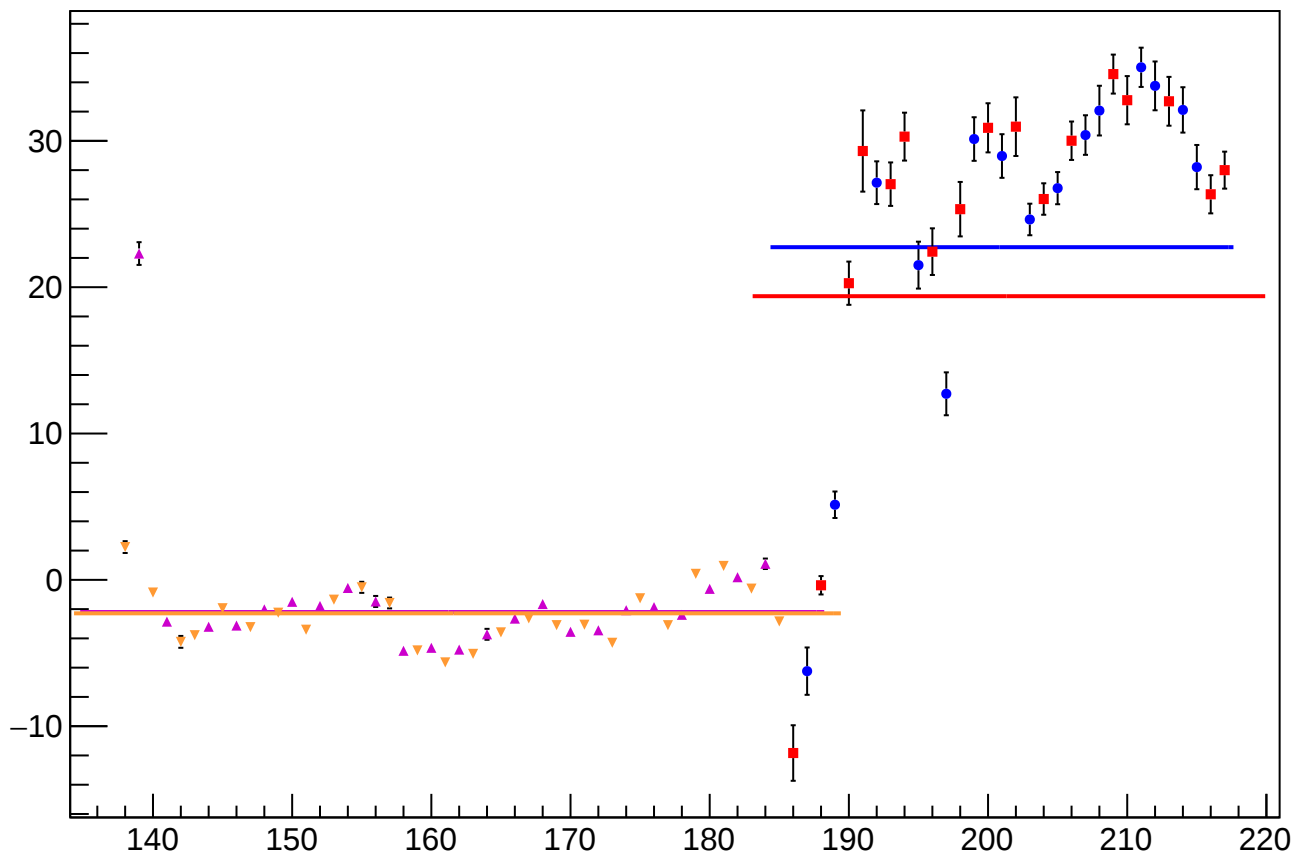
Left In: -0.310 ± 0.067 $\chi^2/\text{NDF}: 2250.5/22$

+ sign 0.258 ± 0.064 $\chi^2/\text{NDF}: 3750.5/39$

All: 0.091 ± 0.045 $\chi^2/\text{NDF}: 7484.7/79$

- sign -0.080 ± 0.064 $\chi^2/\text{NDF}: 3720.2/39$

reg_asym_sam_15_26_dd_diff_bpm4aY_slope vs Slug



Right In: 22.734 ± 0.350 $\chi^2/\text{NDF}: 1053.5/14$

Left Out: -2.288 ± 0.054 $\chi^2/\text{NDF}: 1137.7/24$

Right Out: 19.385 ± 0.325 $\chi^2/\text{NDF}: 1877.4/16$

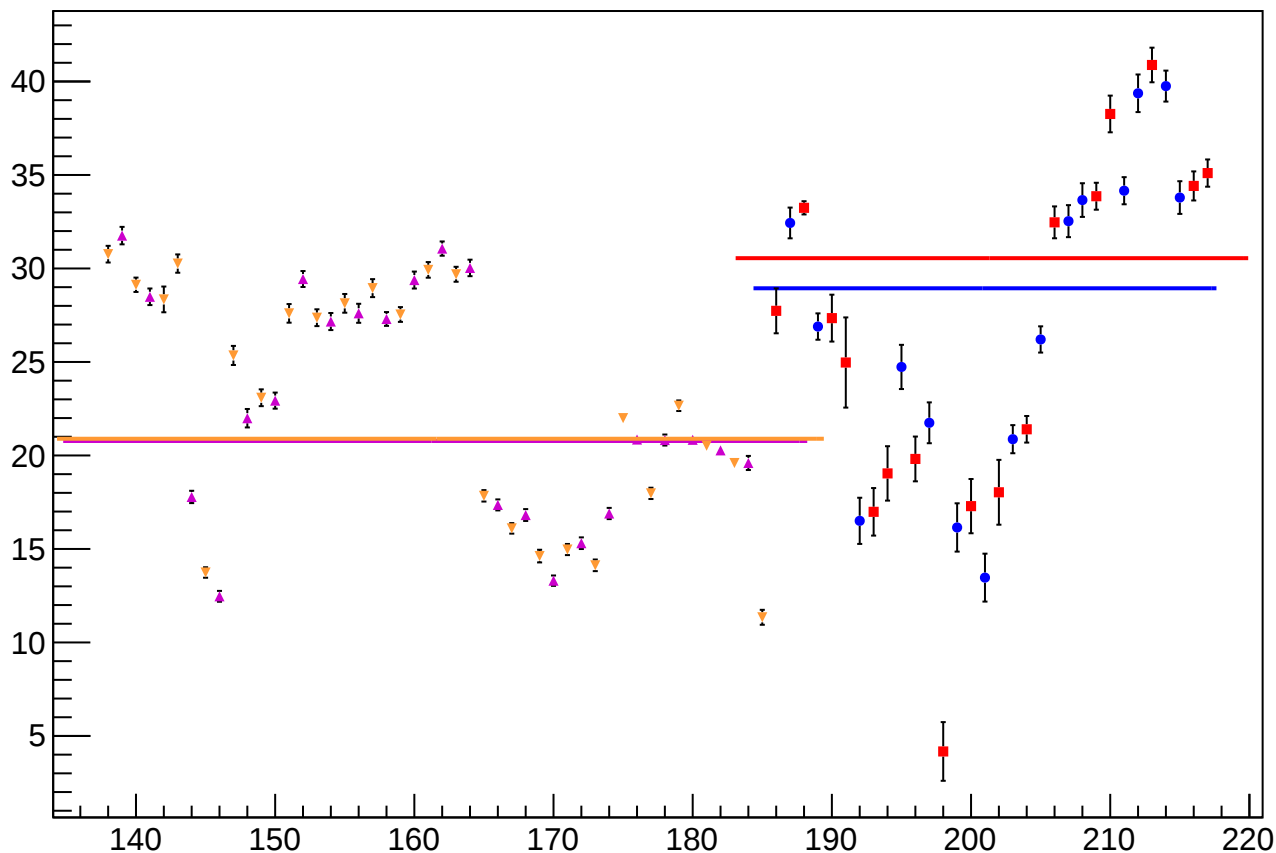
Left In: -2.198 ± 0.055 $\chi^2/\text{NDF}: 1673.9/22$

+ sign -1.702 ± 0.054 $\chi^2/\text{NDF}: 7190.7/39$

All: -1.650 ± 0.038 $\chi^2/\text{NDF}: 15030.5/79$

- sign -1.595 ± 0.054 $\chi^2/\text{NDF}: 7837.8/39$

reg_asym_sam_15_26_dd_diff_bpm4eX_slope vs Slug



Right In: 28.940 ± 0.230 $\chi^2/\text{NDF}: 964.0/14$

Left Out: 20.894 ± 0.067 $\chi^2/\text{NDF}: 6655.4/24$

Right Out: 30.551 ± 0.206 $\chi^2/\text{NDF}: 1192.3/16$

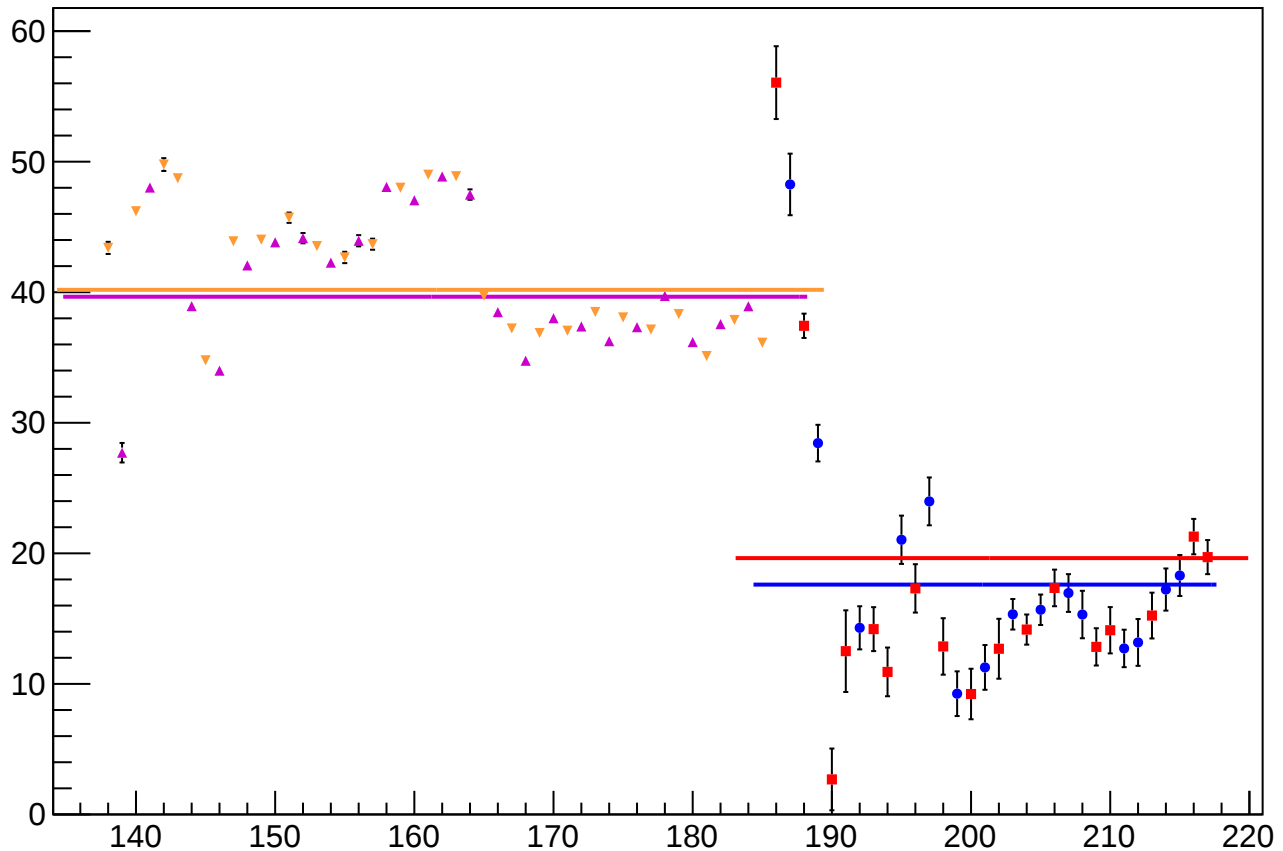
Left In: 20.774 ± 0.068 $\chi^2/\text{NDF}: 5927.9/22$

+ sign 21.520 ± 0.064 $\chi^2/\text{NDF}: 8751.8/39$

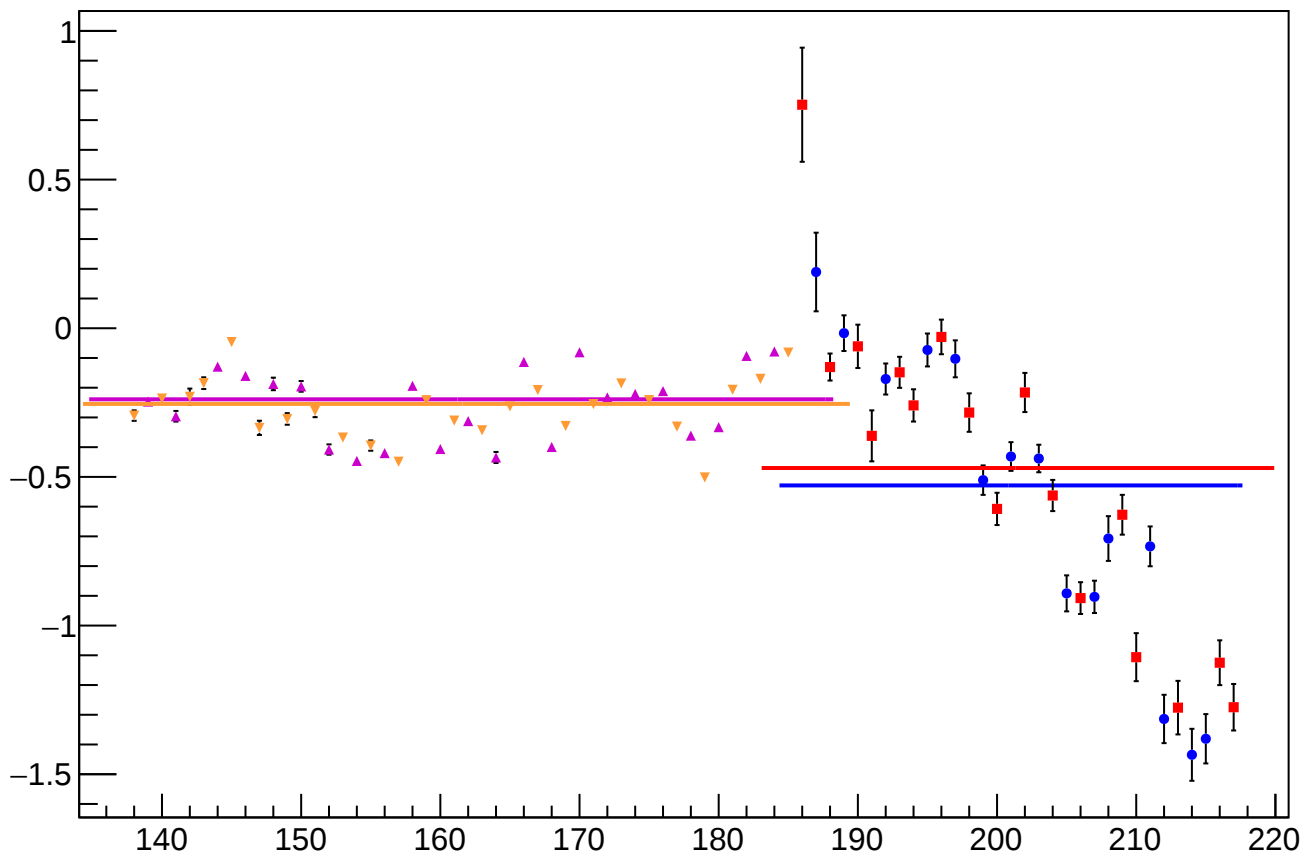
All: 21.620 ± 0.045 $\chi^2/\text{NDF}: 17906.5/79$

- sign 21.721 ± 0.064 $\chi^2/\text{NDF}: 9149.8/39$

reg_asym_sam_15_26_dd_diff_bpm4eY_slope vs Slug



reg_asym_sam_15_26_dd_diff_bpm12X_slope vs Slug



Right In: -0.529 ± 0.016 χ^2/NDF : 676.6/14

Left Out: -0.255 ± 0.003 χ^2/NDF : 1420.4/24

Right Out: -0.470 ± 0.015 χ^2/NDF : 668.3/16

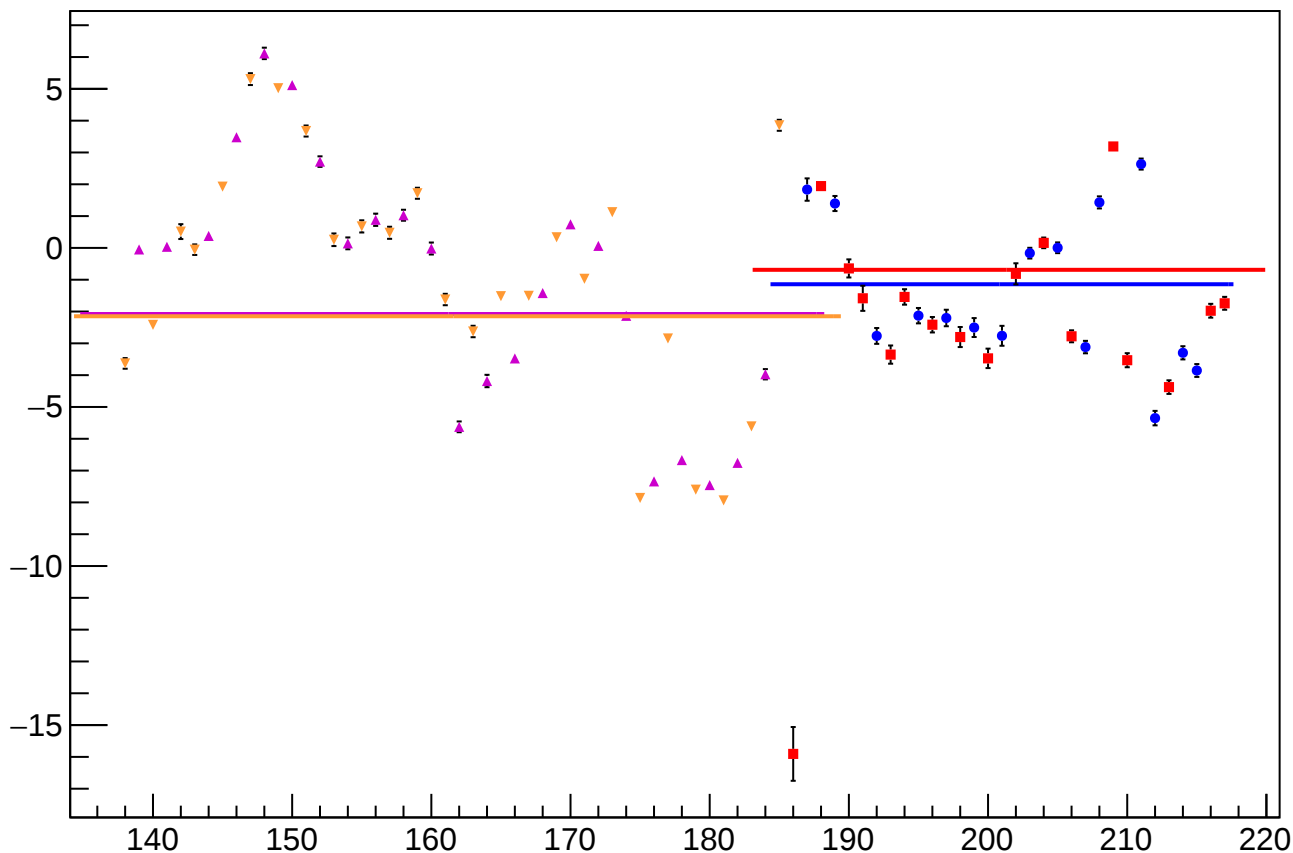
Left In: -0.239 ± 0.003 χ^2/NDF : 1750.5/22

+ sign -0.263 ± 0.003 χ^2/NDF : 2390.7/39

All: -0.255 ± 0.002 χ^2/NDF : 5044.6/79

- sign -0.246 ± 0.003 χ^2/NDF : 2635.9/39

reg_asym_sam_37_26_dd_diff_bpm1X_slope vs Slug



Right In: -1.142 ± 0.056 χ^2/NDF : 1778.4/14

Left Out: -2.149 ± 0.026 χ^2/NDF : 24536.3/24

Right Out: -0.689 ± 0.052 χ^2/NDF : 2460.0/16

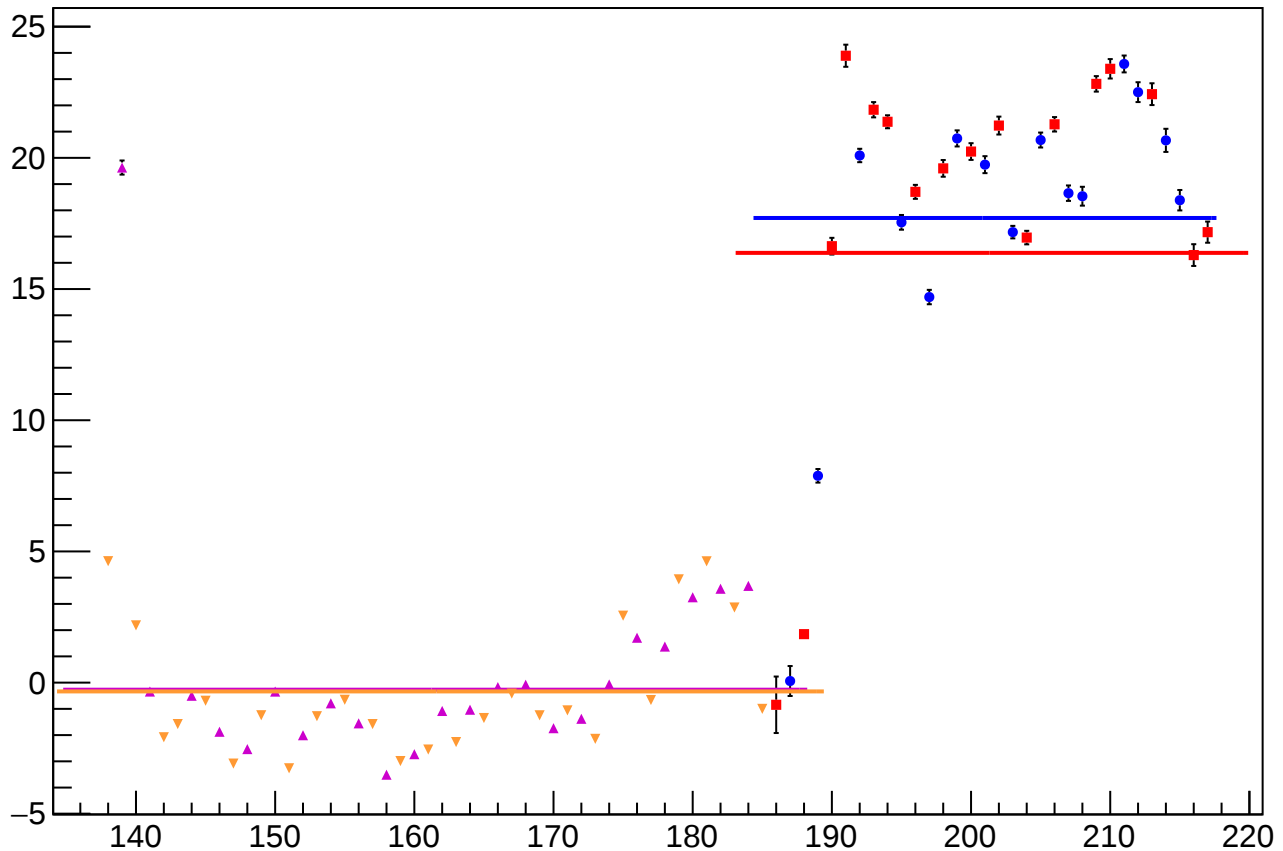
Left In: -2.078 ± 0.026 χ^2/NDF : 23245.8/22

+ sign -1.974 ± 0.023 χ^2/NDF : 26582.2/39

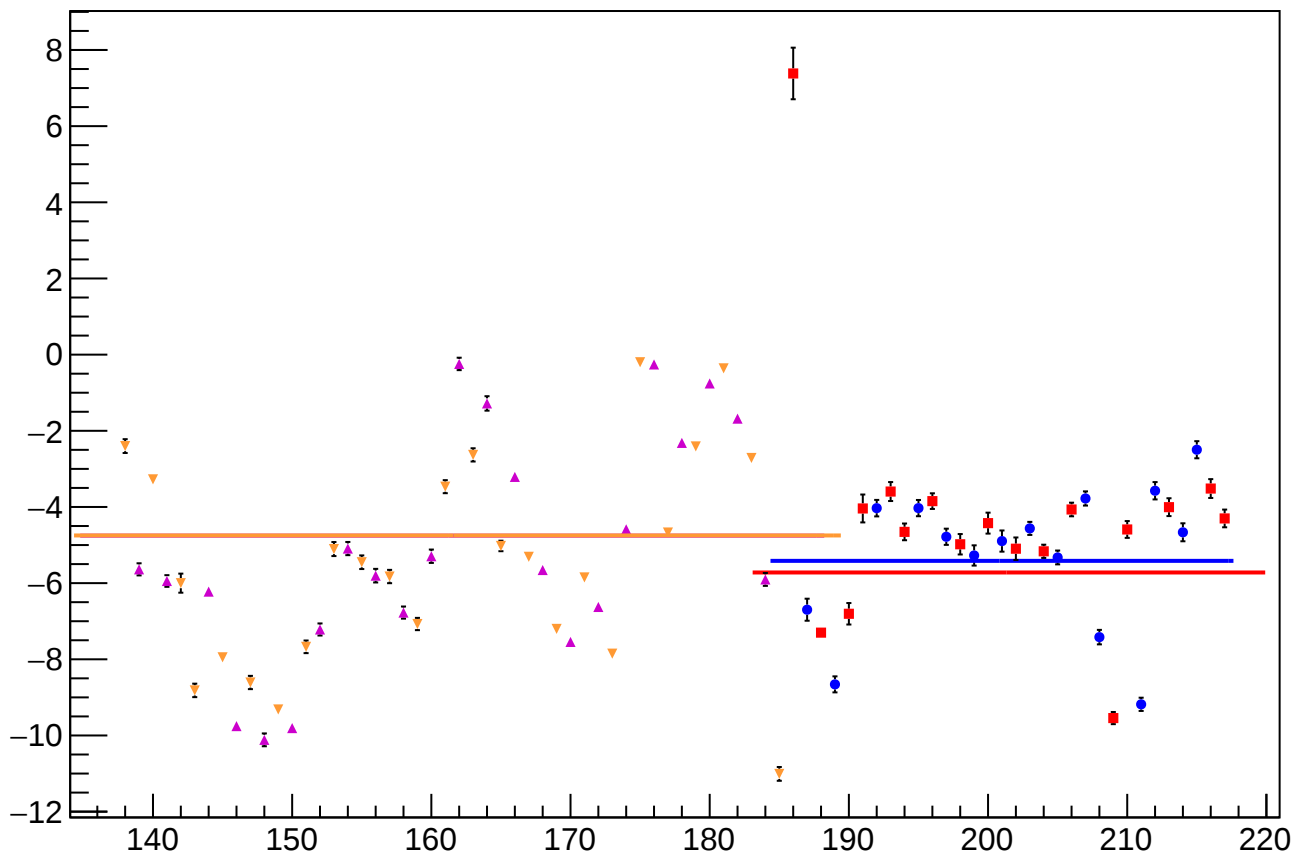
All: -1.886 ± 0.016 χ^2/NDF : 52888.4/79

- sign -1.798 ± 0.023 χ^2/NDF : 26277.8/39

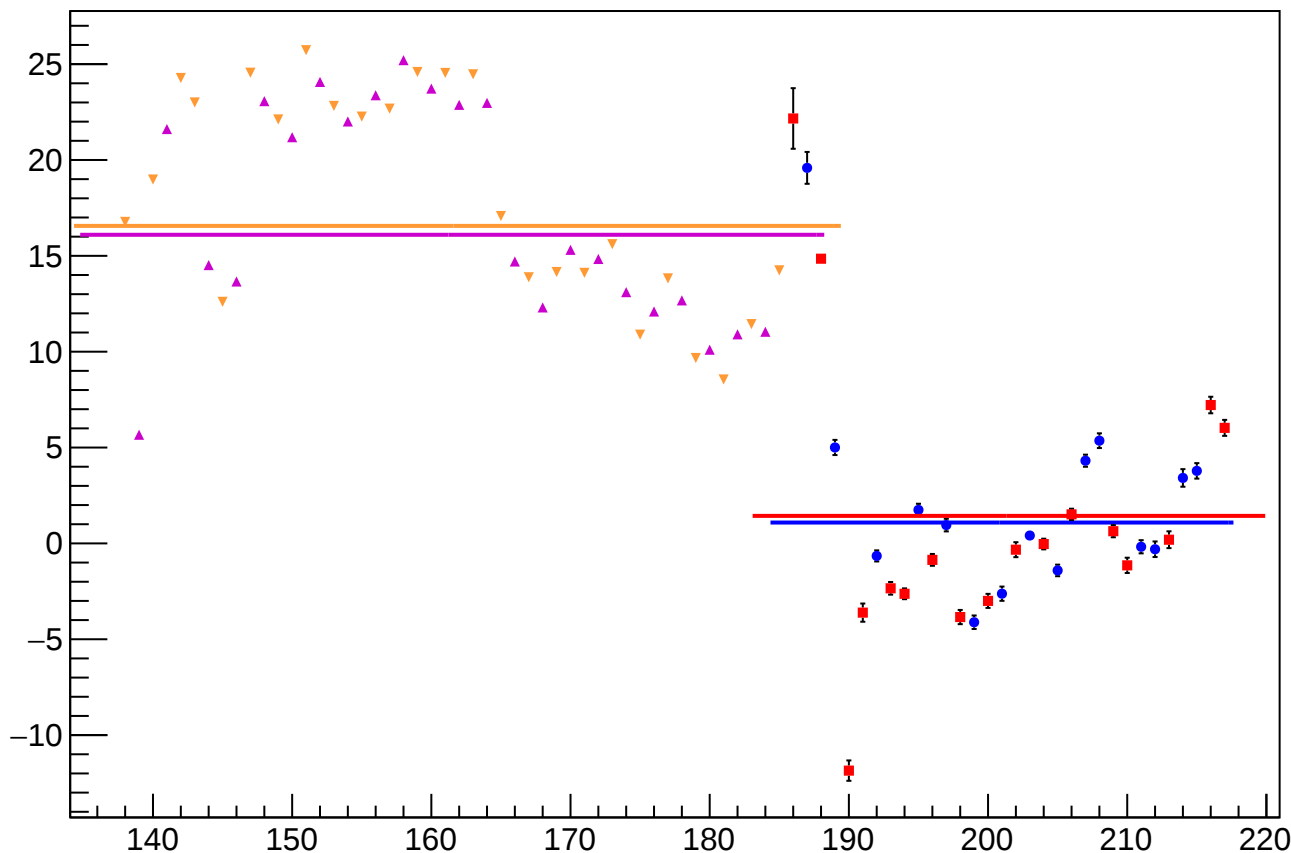
reg_asym_sam_37_26_dd_diff_bpm4aY_slope vs Slug



reg_asym_sam_37_26_dd_diff_bpm4eX_slope vs Slug



reg_asym_sam_37_26_dd_diff_bpm4eY_slope vs Slug



Right In: 1.088 ± 0.091 $\chi^2/\text{NDF}: 1350.1/14$

Left Out: 16.563 ± 0.023 $\chi^2/\text{NDF}: 53858.5/24$

Right Out: 1.435 ± 0.085 $\chi^2/\text{NDF}: 5347.5/16$

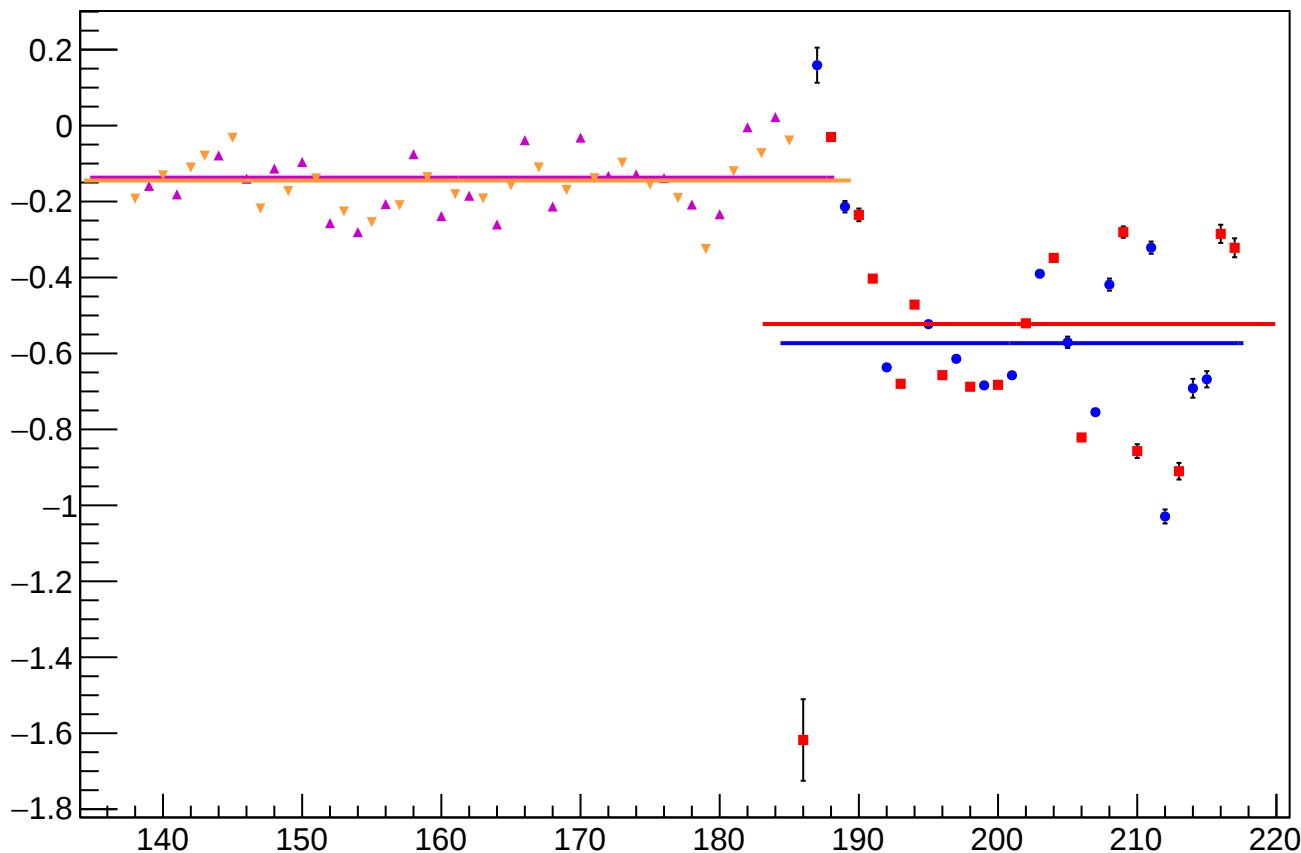
Left In: 16.098 ± 0.024 $\chi^2/\text{NDF}: 42345.7/22$

+ sign 15.615 ± 0.022 $\chi^2/\text{NDF}: 82593.9/39$

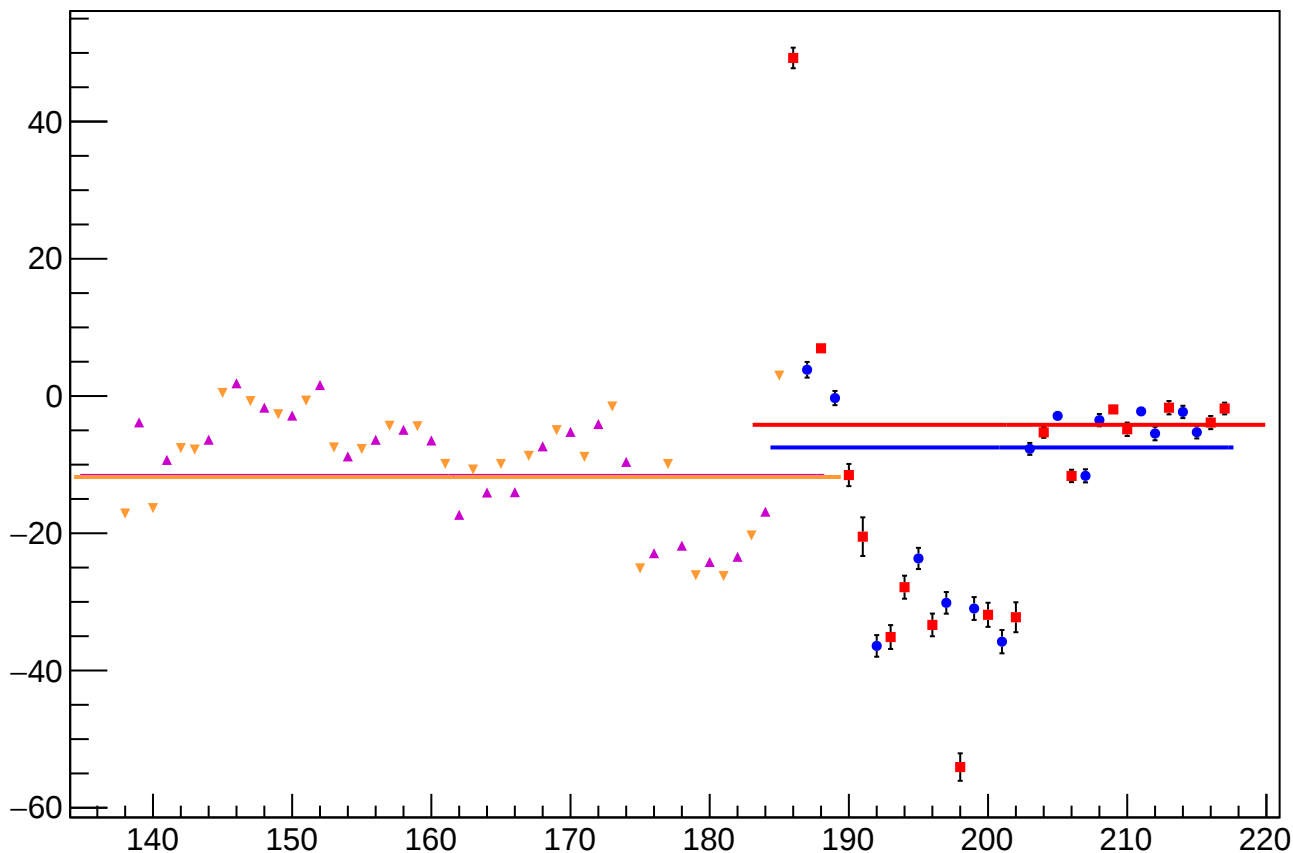
All: 15.341 ± 0.016 $\chi^2/\text{NDF}: 158011.6/79$

- sign 15.060 ± 0.023 $\chi^2/\text{NDF}: 75115.9/39$

reg_asym_sam_37_26_dd_diff_bpm12X_slope vs Slug



reg_asym_sam_1357_avg_diff_bpm1X_slope vs Slug



Right In: -7.496 ± 0.262 χ^2/NDF : 1451.4/14

Left Out: -11.801 ± 0.070 χ^2/NDF : 17308.2/24

Right Out: -4.193 ± 0.254 χ^2/NDF : 3710.4/16

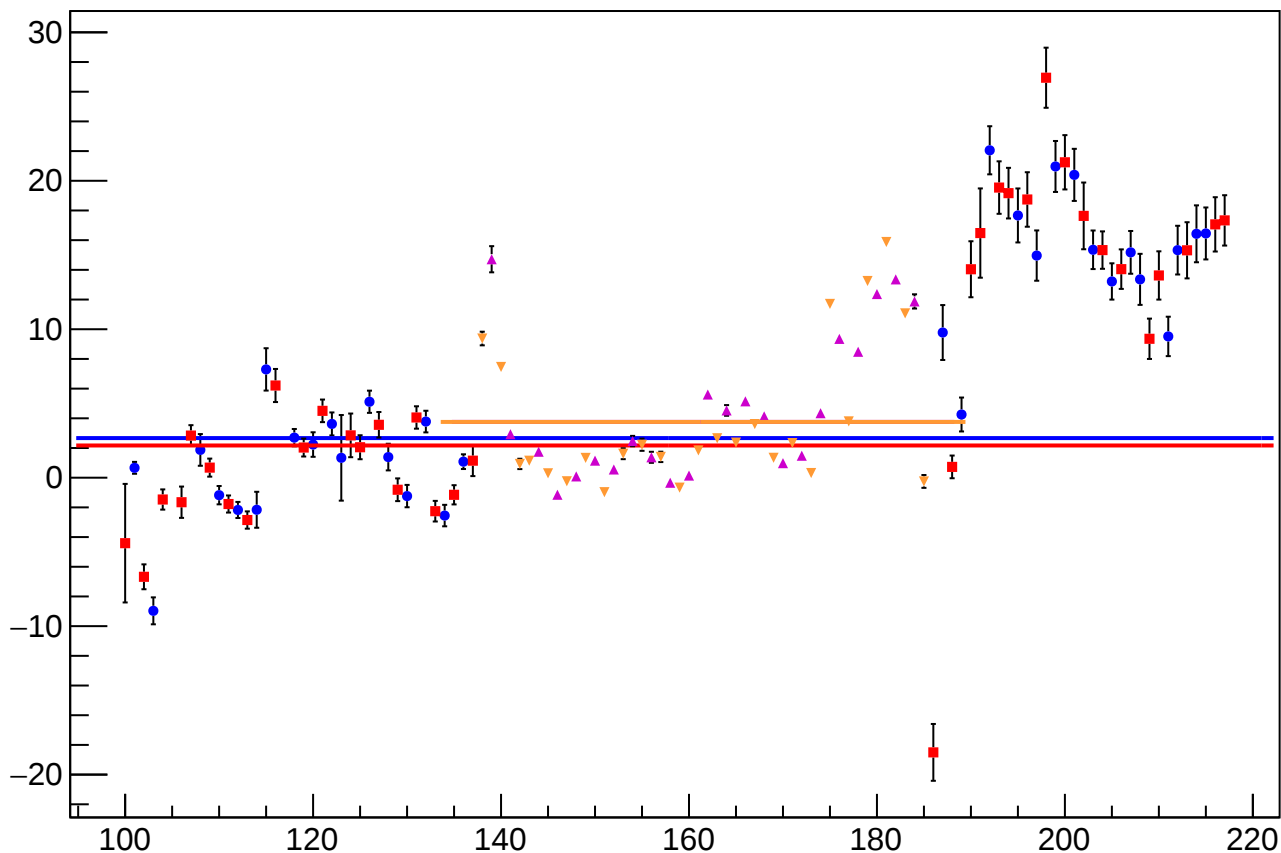
Left In: -11.642 ± 0.072 χ^2/NDF : 14121.2/22

+ sign -11.511 ± 0.068 χ^2/NDF : 19012.2/39

All: -11.305 ± 0.048 χ^2/NDF : 37662.0/79

- sign -11.093 ± 0.069 χ^2/NDF : 18631.0/39

reg_asym_sam_1357_avg_diff_bpm4aY_slope vs Slug



Right In: 2.668 ± 0.157 χ^2/NDF : 1421.5/31

Left Out: 3.757 ± 0.056 χ^2/NDF : 7450.7/24

Right Out: 2.170 ± 0.158 χ^2/NDF : 1625.1/35

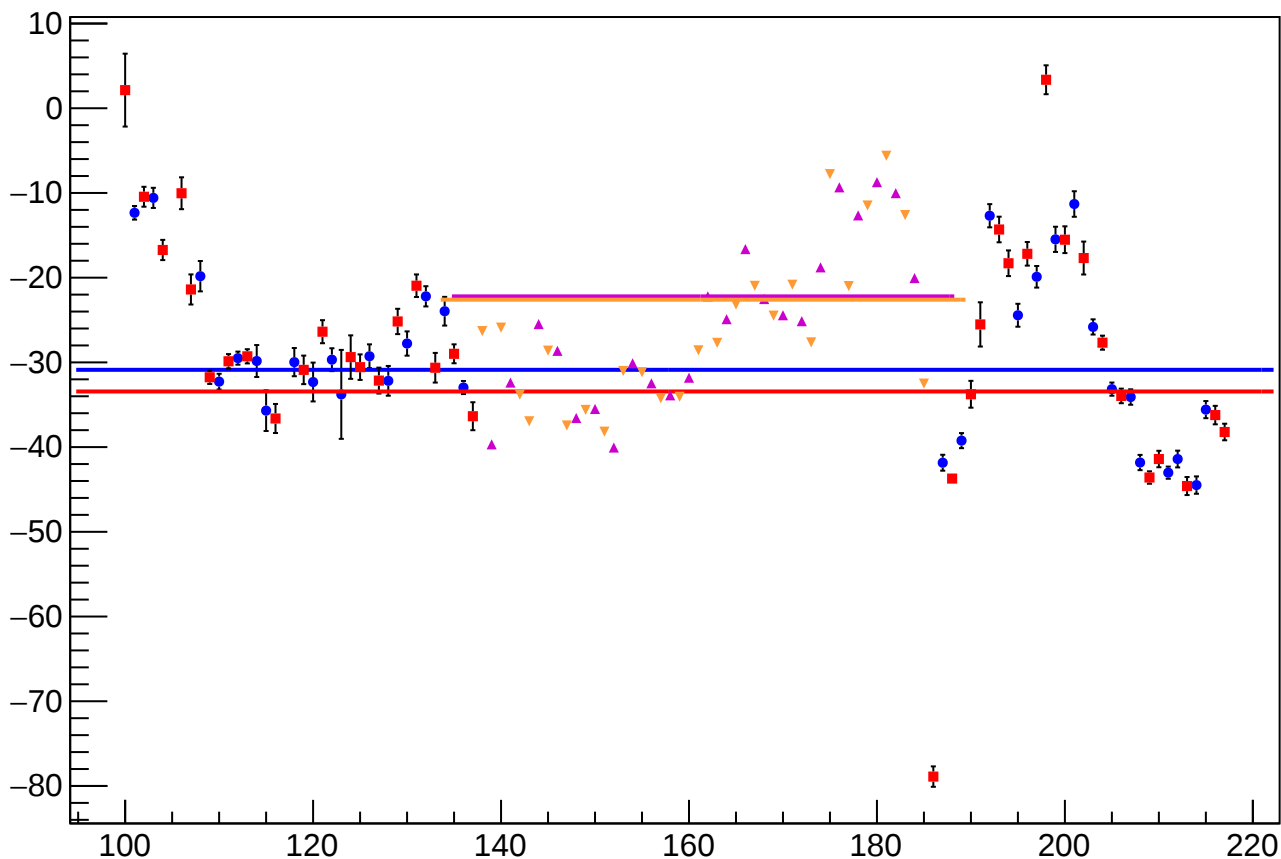
Left In: 3.757 ± 0.057 χ^2/NDF : 5629.4/22

+ sign 3.635 ± 0.052 χ^2/NDF : 8915.1/56

All: 3.607 ± 0.037 χ^2/NDF : 16259.2/115

- sign 3.578 ± 0.053 χ^2/NDF : 7343.5/58

reg_asym_sam_1357_avg_diff_bpm4eX_slope vs Slug



Right In: -30.877 ± 0.195 χ^2/NDF : 2528.2/31

Left Out: -22.598 ± 0.071 χ^2/NDF : 19933.4/24

Right Out: -33.434 ± 0.187 χ^2/NDF : 4571.6/35

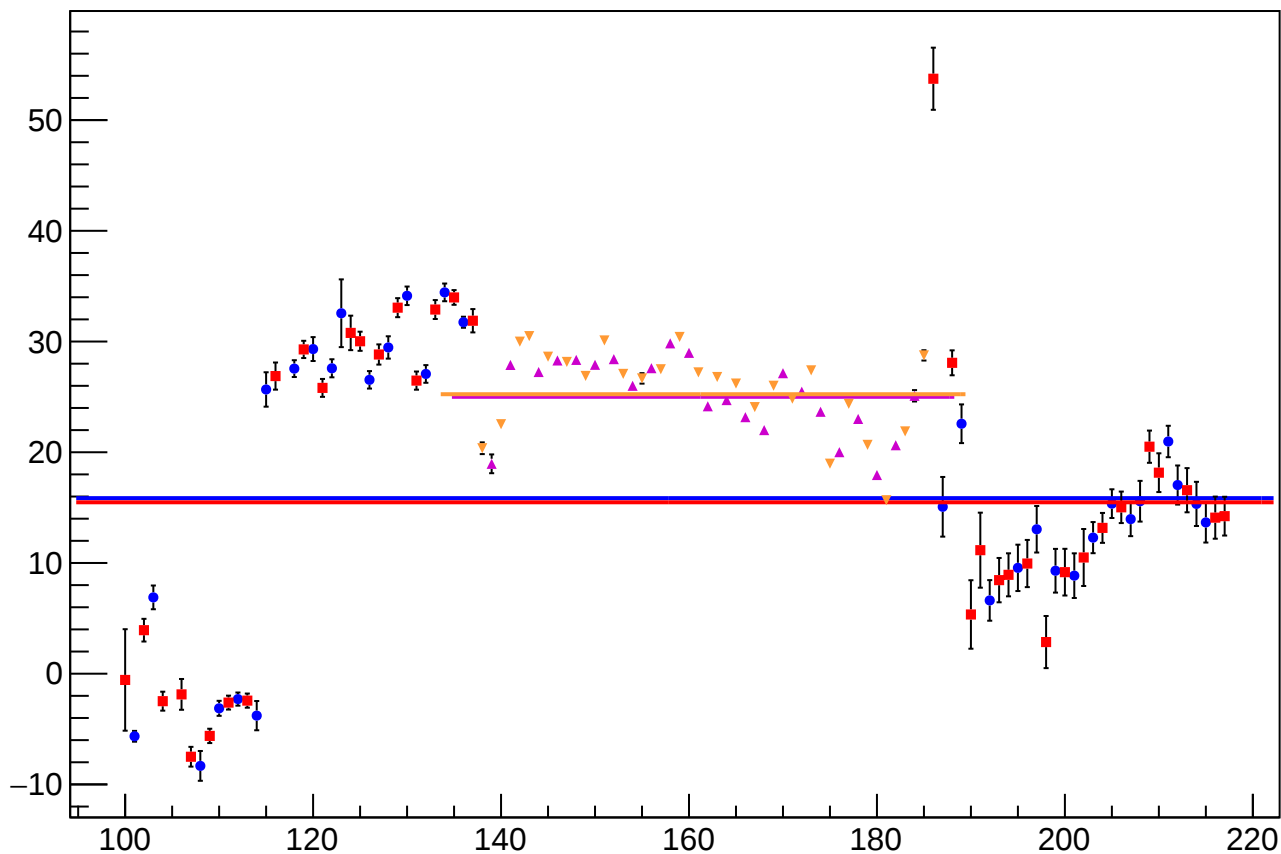
Left In: -22.209 ± 0.072 χ^2/NDF : 17627.4/22

+ sign -23.558 ± 0.066 χ^2/NDF : 24052.1/56

All: -23.603 ± 0.047 χ^2/NDF : 49404.2/115

- sign -23.648 ± 0.067 χ^2/NDF : 25351.2/58

reg_asym_sam_1357_avg_diff_bpm4eY_slope vs Slug



Right In: 15.856+/-0.177 χ^2/NDF : 7641.2/31

Left Out: 25.242+/-0.063 χ^2/NDF : 3786.5/24

Right Out: 15.481+/-0.180 χ^2/NDF : 7676.7/35

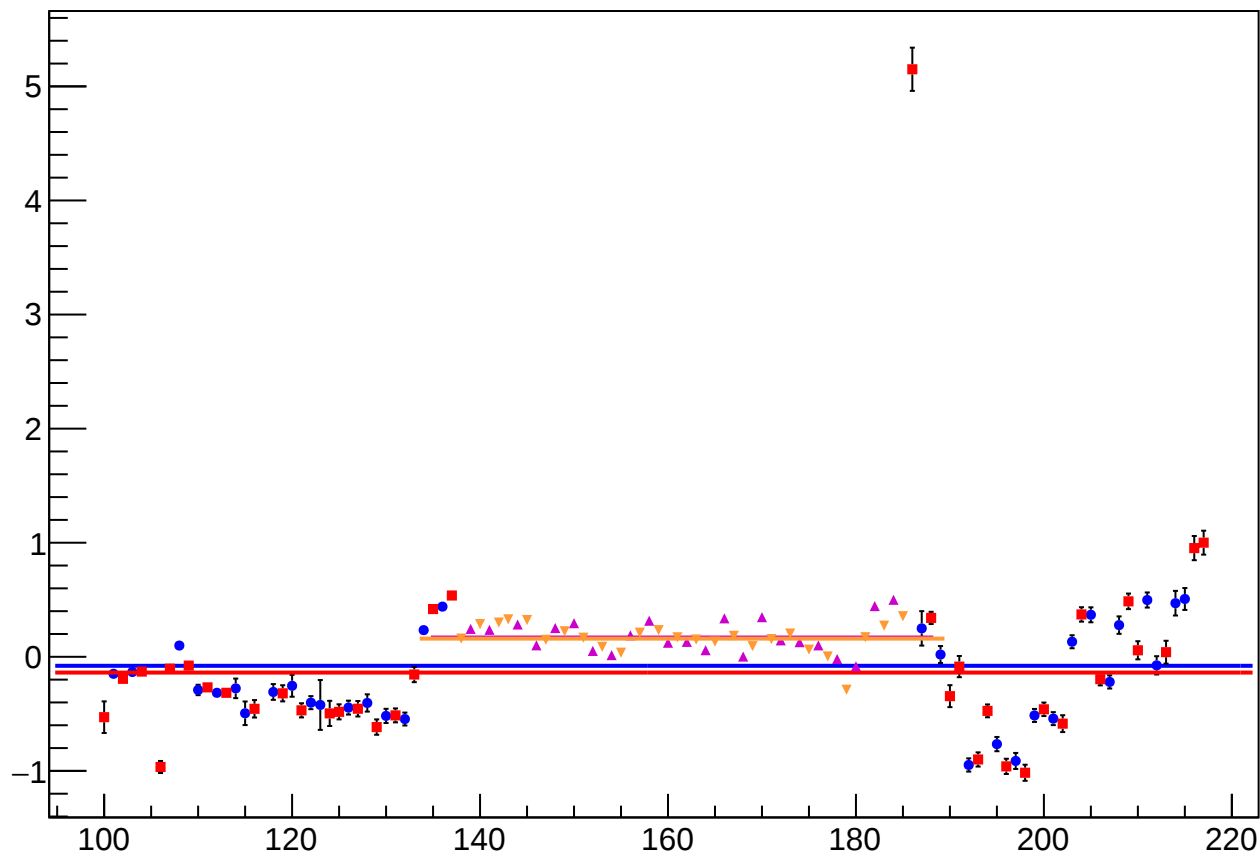
Left In: 25.009+/-0.064 χ^2/NDF : 2722.0/22

+ sign 24.198+/-0.059 χ^2/NDF : 13927.0/56

All: 24.075+/-0.042 χ^2/NDF : 26816.5/115

- sign 23.947+/-0.060 χ^2/NDF : 12880.7/58

reg_asym_sam_1357_avg_diff_bpm12X_slope vs Slug



Right In: -0.079 ± 0.009 χ^2/NDF : 1873.8/31

Left Out: 0.159 ± 0.003 χ^2/NDF : 1864.2/24

Right Out: -0.138 ± 0.009 χ^2/NDF : 2965.5/35

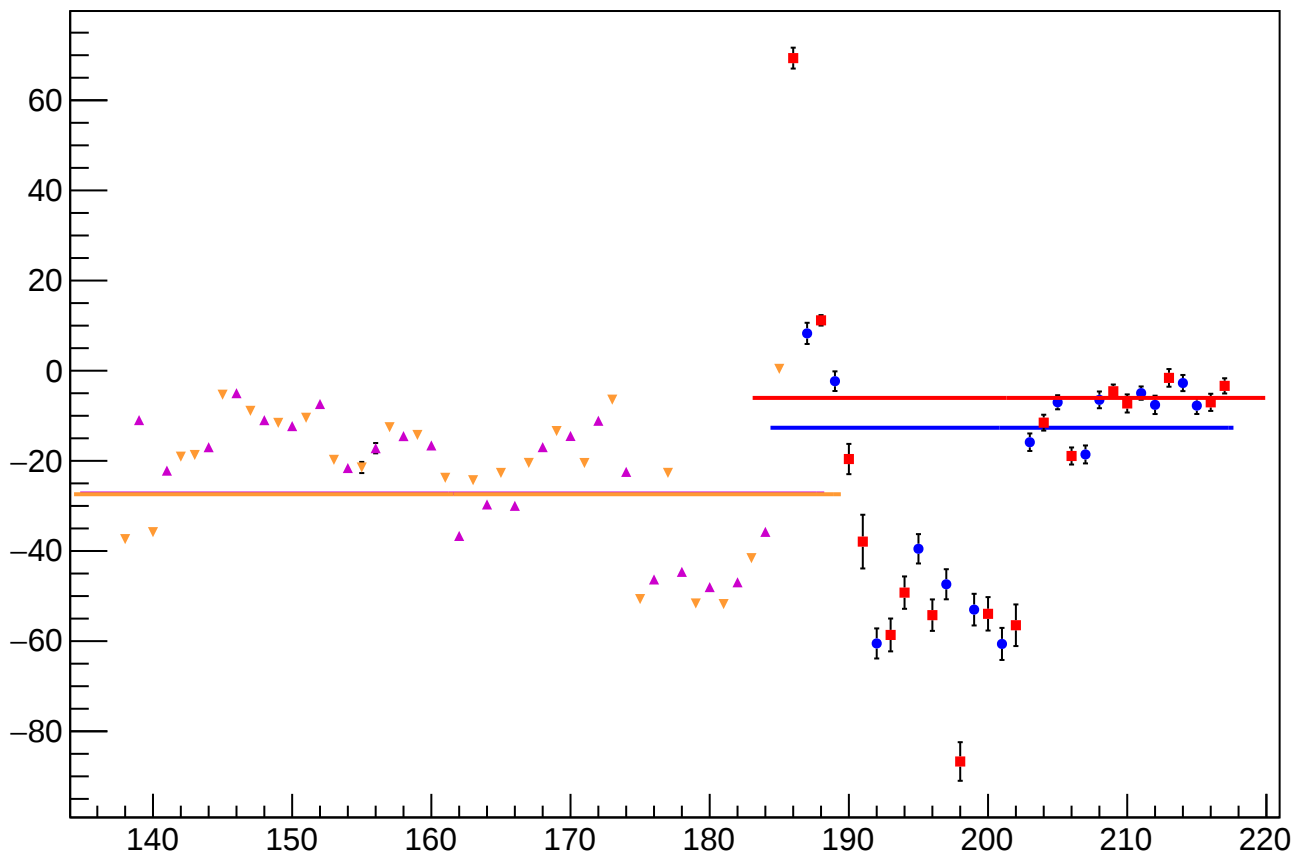
Left In: 0.169 ± 0.003 χ^2/NDF : 2418.8/22

+ sign 0.137 ± 0.003 χ^2/NDF : 4383.2/56

All: 0.138 ± 0.002 χ^2/NDF : 10839.5/115

- sign 0.139 ± 0.003 χ^2/NDF : 6456.0/58

reg_asym_sam_2468_avg_diff_bpm1X_slope vs Slug



Right In: -12.657 ± 0.547 $\chi^2/\text{NDF}: 904.5/14$

Left Out: -27.408 ± 0.137 $\chi^2/\text{NDF}: 14850.5/24$

Right Out: -6.035 ± 0.524 $\chi^2/\text{NDF}: 2572.8/16$

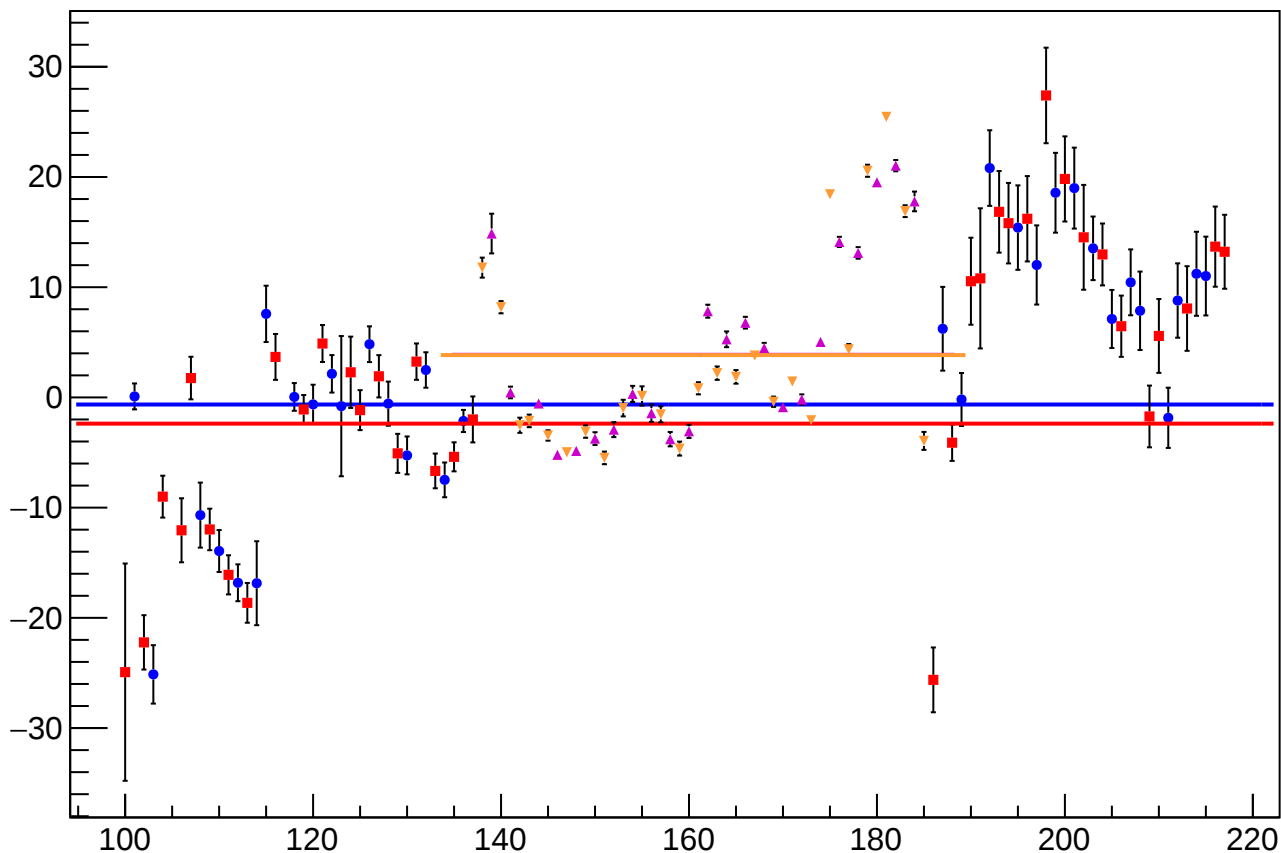
Left In: -27.243 ± 0.139 $\chi^2/\text{NDF}: 11305.2/22$

+ sign -26.538 ± 0.133 $\chi^2/\text{NDF}: 16440.0/39$

All: -26.196 ± 0.095 $\chi^2/\text{NDF}: 31860.1/79$

- sign -25.843 ± 0.135 $\chi^2/\text{NDF}: 15406.6/39$

reg_asym_sam_2468_avg_diff_bpm4aY_slope vs Slug



Right In: -0.644 ± 0.369 $\chi^2/\text{NDF}: 524.2/31$

Left Out: 3.841 ± 0.109 $\chi^2/\text{NDF}: 6939.2/24$

Right Out: -2.380 ± 0.374 $\chi^2/\text{NDF}: 667.5/35$

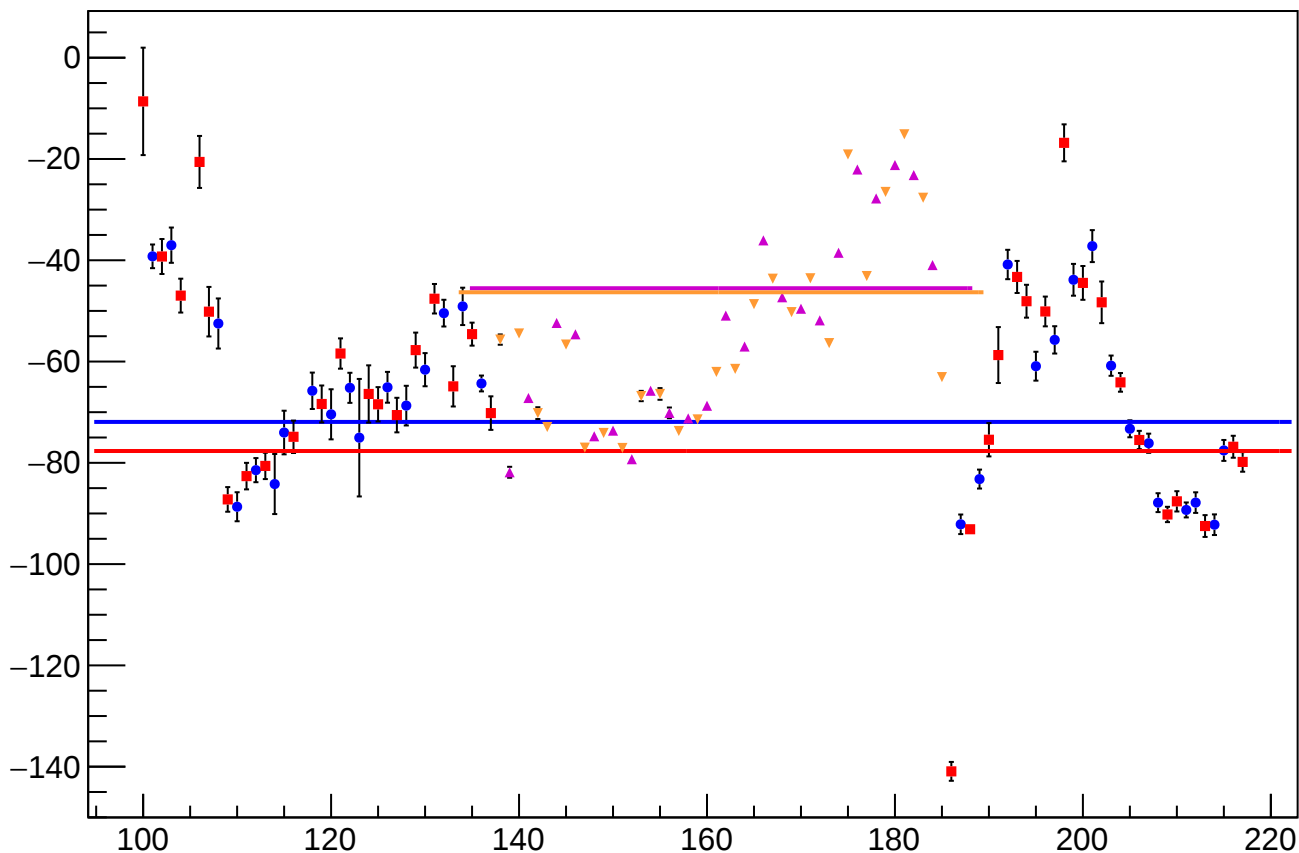
Left In: 3.866 ± 0.111 $\chi^2/\text{NDF}: 5424.0/22$

+ sign 3.480 ± 0.105 $\chi^2/\text{NDF}: 7599.3/56$

All: 3.421 ± 0.075 $\chi^2/\text{NDF}: 13947.4/115$

- sign 3.359 ± 0.107 $\chi^2/\text{NDF}: 6347.4/58$

reg_asym_sam_2468_avg_diff_bpm4eX_slope vs Slug



Right In: -71.921 ± 0.434 χ^2/NDF : 1446.6/31

Left Out: -46.318 ± 0.138 χ^2/NDF : 20134.6/24

Right Out: -77.665 ± 0.414 χ^2/NDF : 3100.3/35

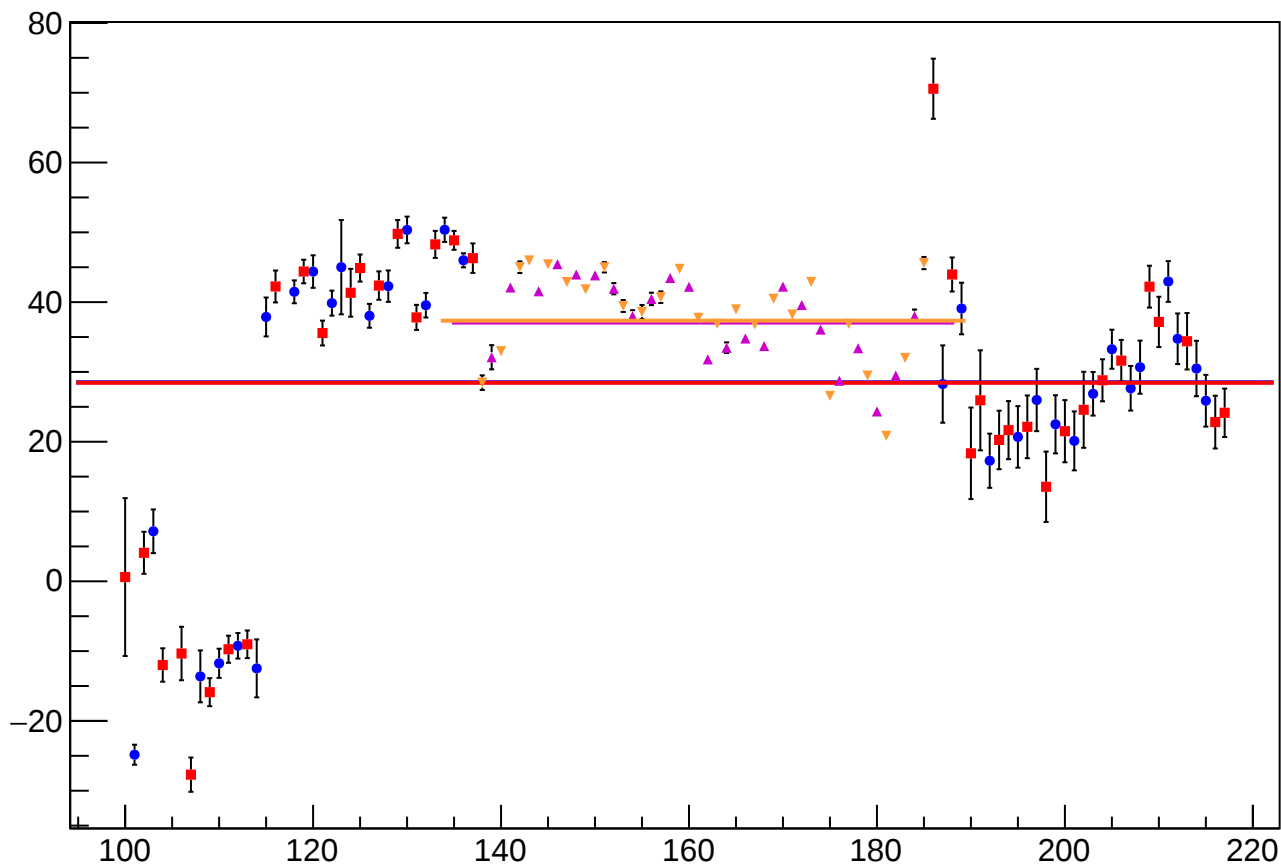
Left In: -45.522 ± 0.140 χ^2/NDF : 17525.4/22

+ sign -48.663 ± 0.131 χ^2/NDF : 24737.1/56

All: -48.736 ± 0.093 χ^2/NDF : 50775.8/115

- sign -48.810 ± 0.132 χ^2/NDF : 26038.1/58

reg_asym_sam_2468_avg_diff_bpm4eY_slope vs Slug



Right In: 28.517 $\pm$ 0.414 χ^2 /NDF: 3369.0/31

Left Out: 37.340 $\pm$ 0.123 χ^2 /NDF:3149.1/24

Right Out: 28.450 $\pm$ 0.425 χ^2 /NDF: 3229.0/35

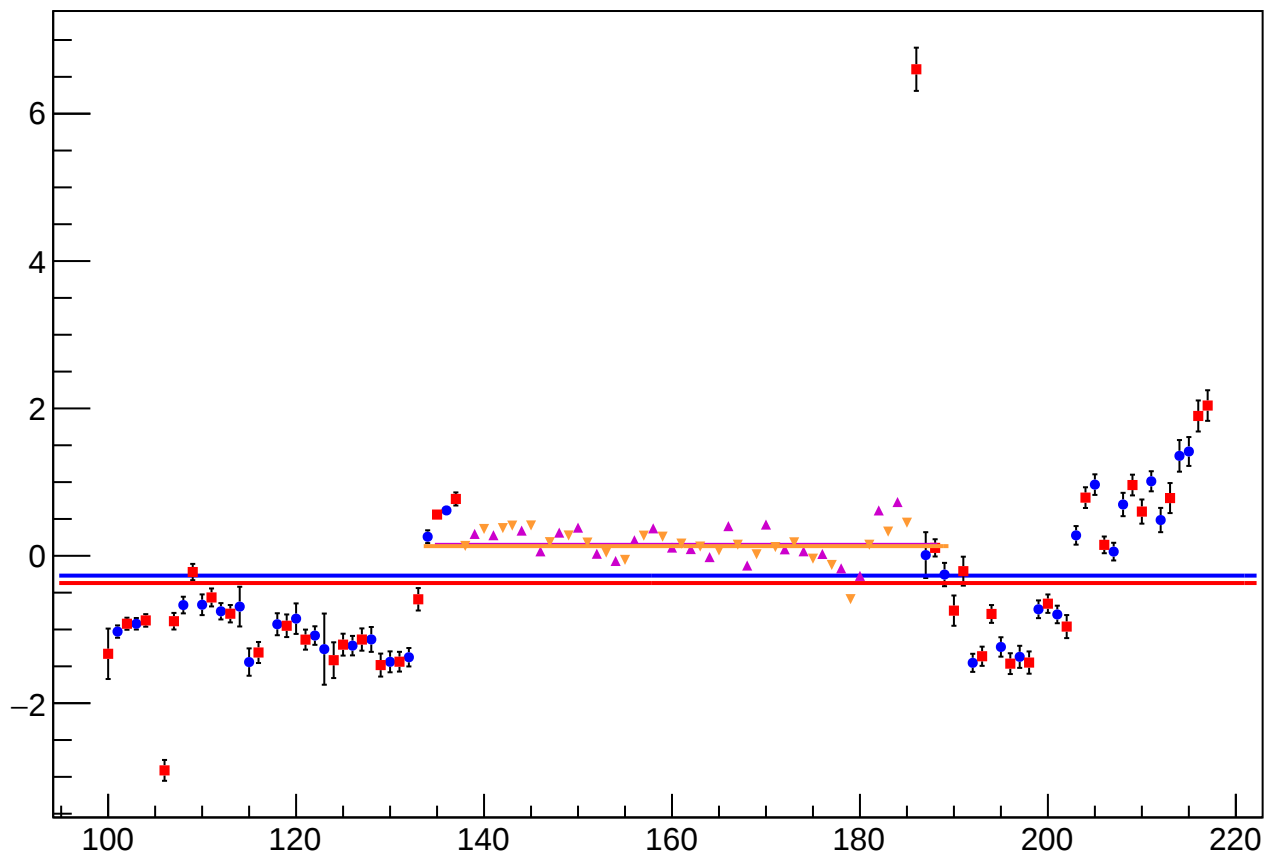
Left In: 37.074 $\pm$ 0.125 χ^2 /NDF:2397.3/22

+ sign 36.627 $\pm$ 0.118 χ^2 /NDF: 6934.7/56

All: 36.509 $\pm$ 0.084 χ^2 /NDF: 12941.3/115

- sign 36.387 $\pm$ 0.120 χ^2 /NDF: 6004.5/58

reg_asym_sam_2468_avg_diff_bpm12X_slope vs Slug



Right In: -0.269 ± 0.021 χ^2/NDF : 1632.7/31

Left Out: 0.131 ± 0.006 χ^2/NDF : 1426.3/24

Right Out: -0.370 ± 0.021 χ^2/NDF : 2472.9/35

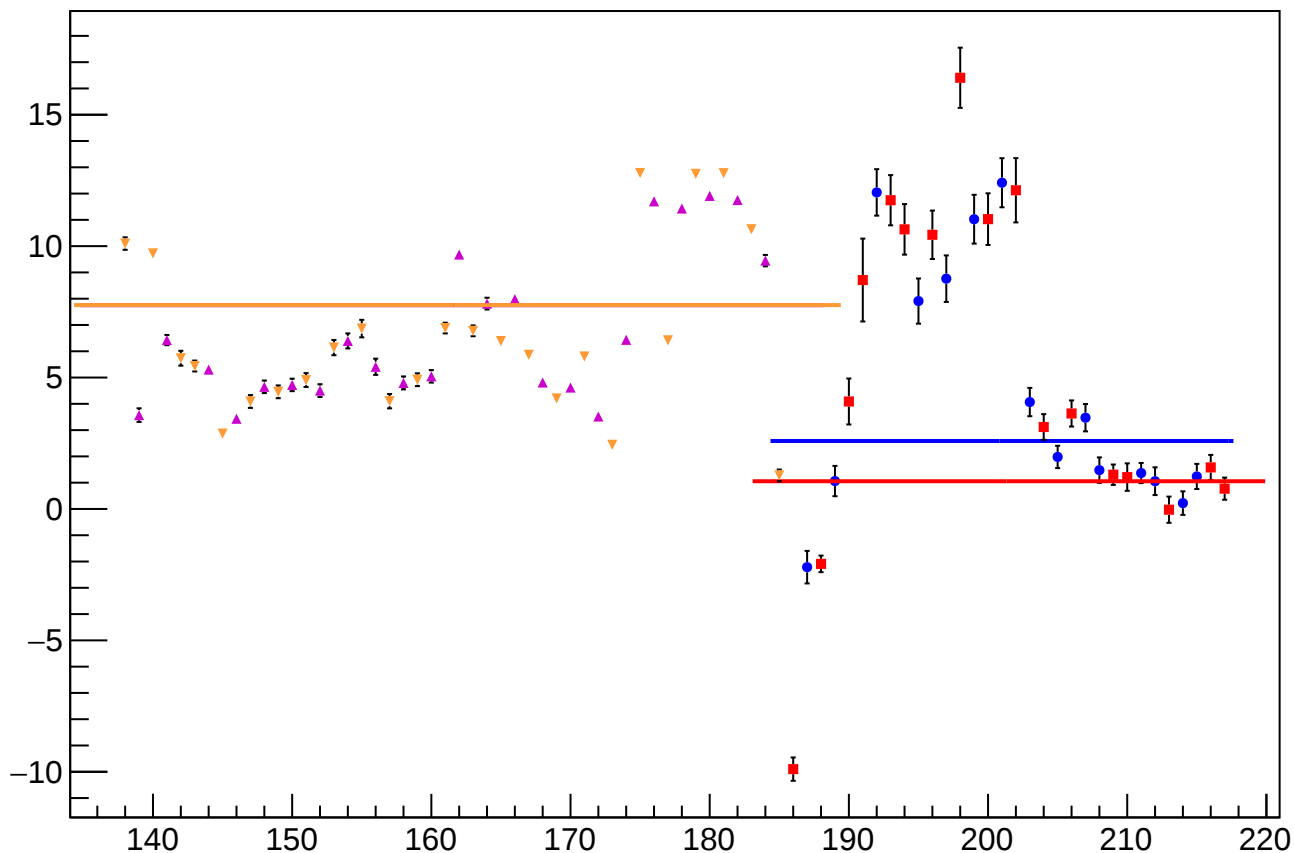
Left In: 0.149 ± 0.006 χ^2/NDF : 1803.6/22

+ sign 0.104 ± 0.005 χ^2/NDF : 3405.5/56

All: 0.108 ± 0.004 χ^2/NDF : 8246.5/115

- sign 0.113 ± 0.006 χ^2/NDF : 4839.6/58

reg_asym_sam_1357_2468_dd_diff_bpm1X_slope vs Slug



Right In: 2.586 ± 0.144 $\chi^2/\text{NDF}: 534.0/14$

Left Out: 7.757 ± 0.034 $\chi^2/\text{NDF}: 11728.6/24$

Right Out: 1.055 ± 0.134 $\chi^2/\text{NDF}: 1487.9/16$

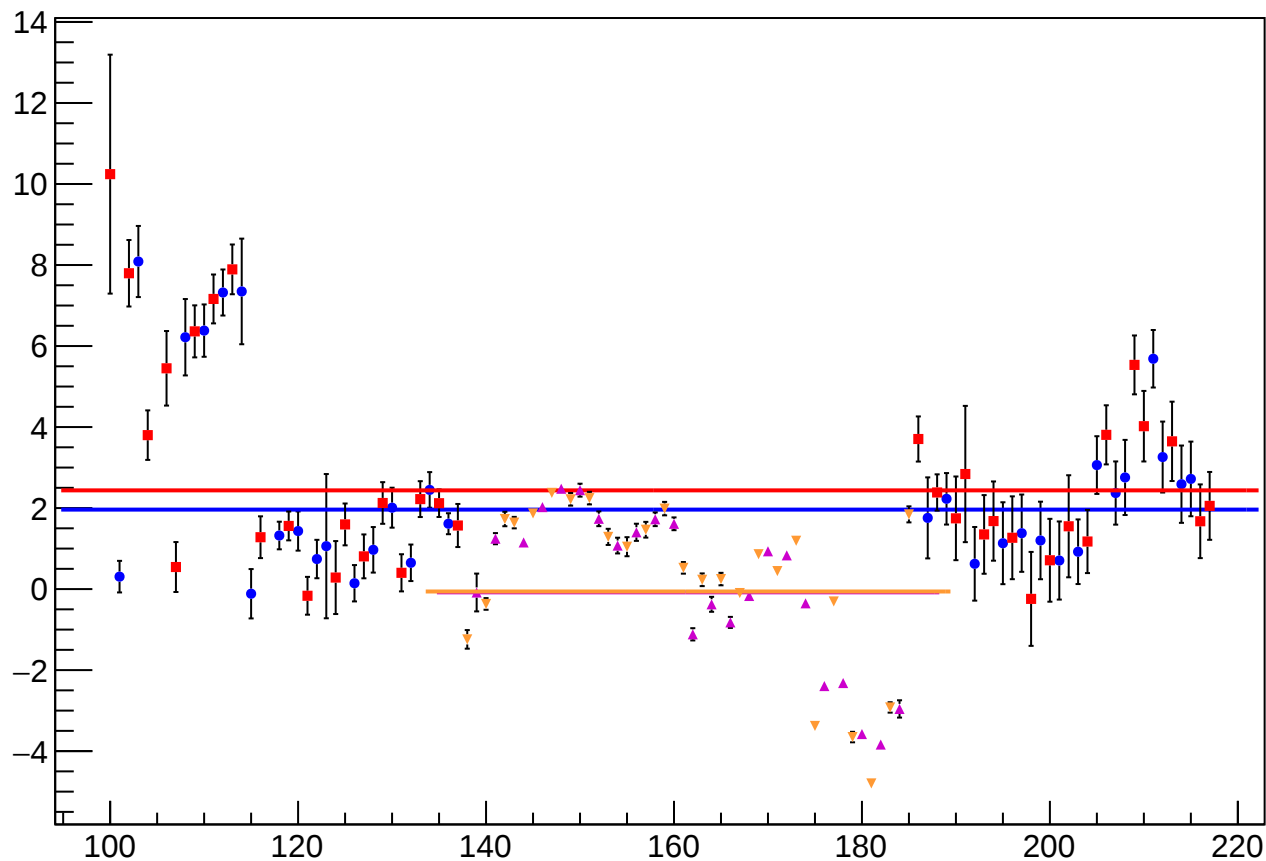
Left In: 7.753 ± 0.035 $\chi^2/\text{NDF}: 8345.2/22$

+ sign 7.477 ± 0.033 $\chi^2/\text{NDF}: 13490.0/39$

All: 7.403 ± 0.024 $\chi^2/\text{NDF}: 25657.1/79$

- sign 7.326 ± 0.034 $\chi^2/\text{NDF}: 12157.0/39$

reg_asym_sam_1357_2468_dd_diff_bpm4aY_slope vs Slug



Right In: 1.962 ± 0.103 χ^2/NDF : 335.8/31

Left Out: -0.059 ± 0.028 χ^2/NDF : 6068.8/24

Right Out: 2.437 ± 0.104 χ^2/NDF : 383.4/35

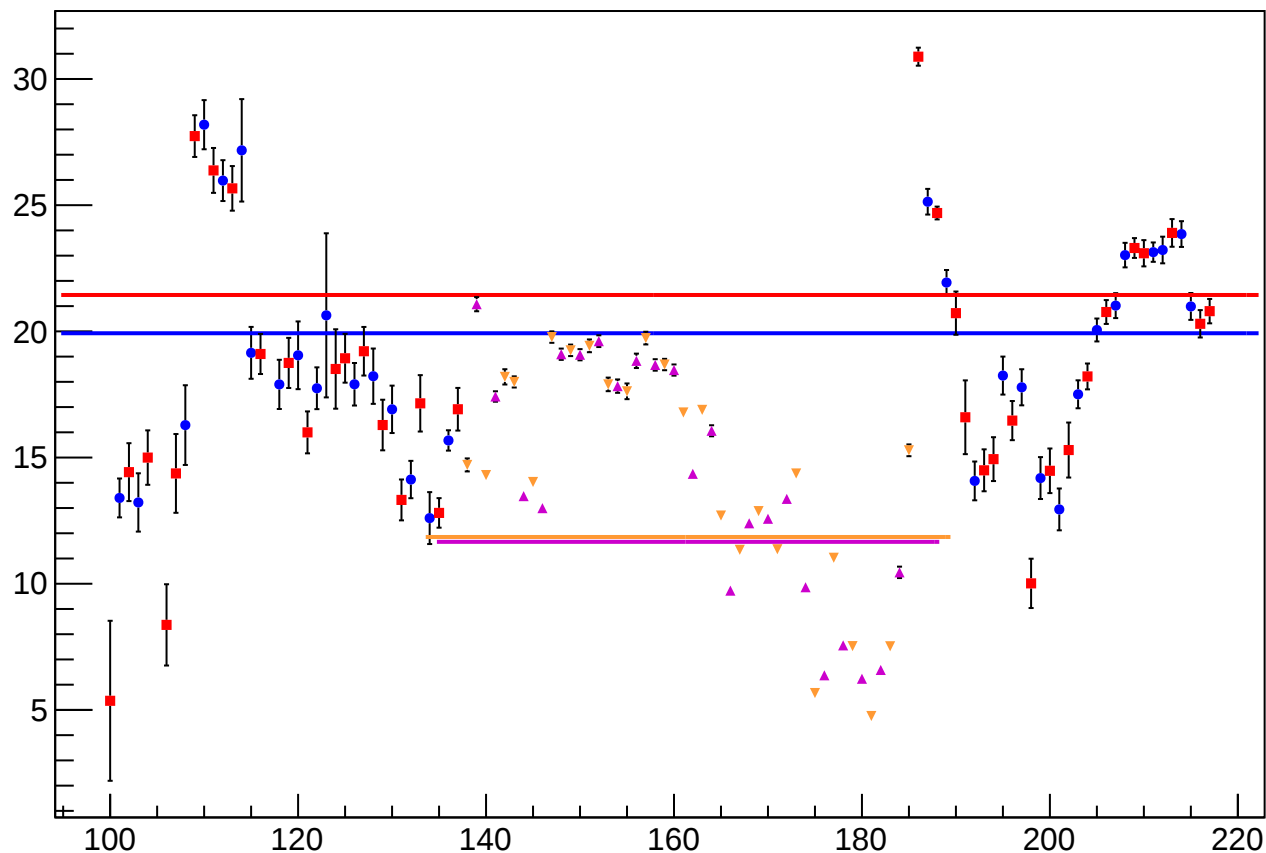
Left In: -0.080 ± 0.028 χ^2/NDF : 4979.5/22

+ sign 0.076 ± 0.027 χ^2/NDF : 6761.0/56

All: 0.084 ± 0.019 χ^2/NDF : 12665.5/115

- sign 0.091 ± 0.027 χ^2/NDF : 5904.3/58

reg_asym_sam_1357_2468_dd_diff_bpm4eX_slope vs Slug



Right In: 19.925 ± 0.117 χ^2/NDF : 1054.3/31

Left Out: 11.853 ± 0.035 χ^2/NDF : 19149.4/24

Right Out: 21.442 ± 0.110 χ^2/NDF : 2133.0/35

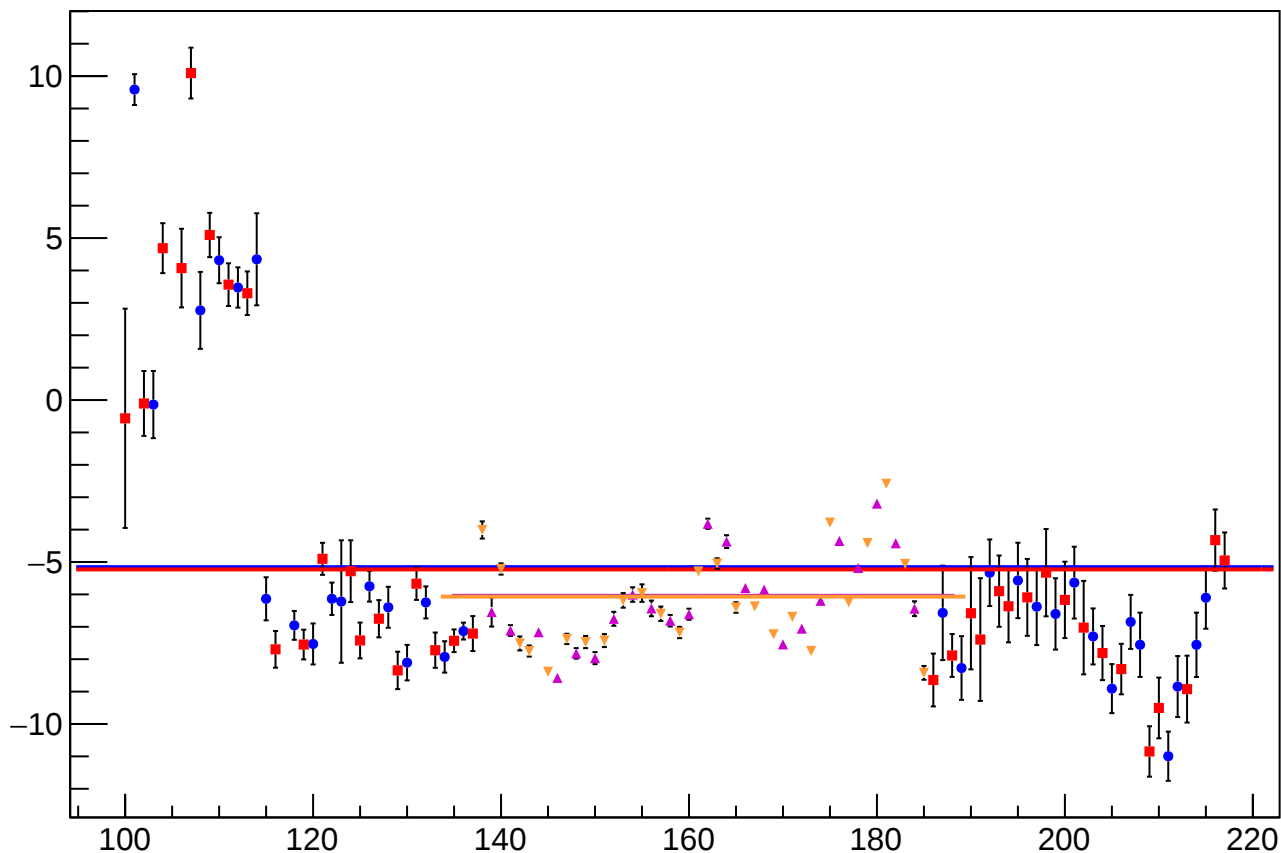
Left In: 11.660 ± 0.035 χ^2/NDF : 16710.2/22

+ sign 12.500 ± 0.033 χ^2/NDF : 24549.6/56

All: 12.536 ± 0.024 χ^2/NDF : 50600.5/115

- sign 12.572 ± 0.034 χ^2/NDF : 26048.6/58

reg_asym_sam_1357_2468_dd_diff_bpm4eY_slope vs Slug



Right In: -5.159 ± 0.116 χ^2/NDF : 1744.4/31

Left Out: -6.068 ± 0.031 χ^2/NDF : 2671.7/24

Right Out: -5.229 ± 0.119 χ^2/NDF : 1523.5/35

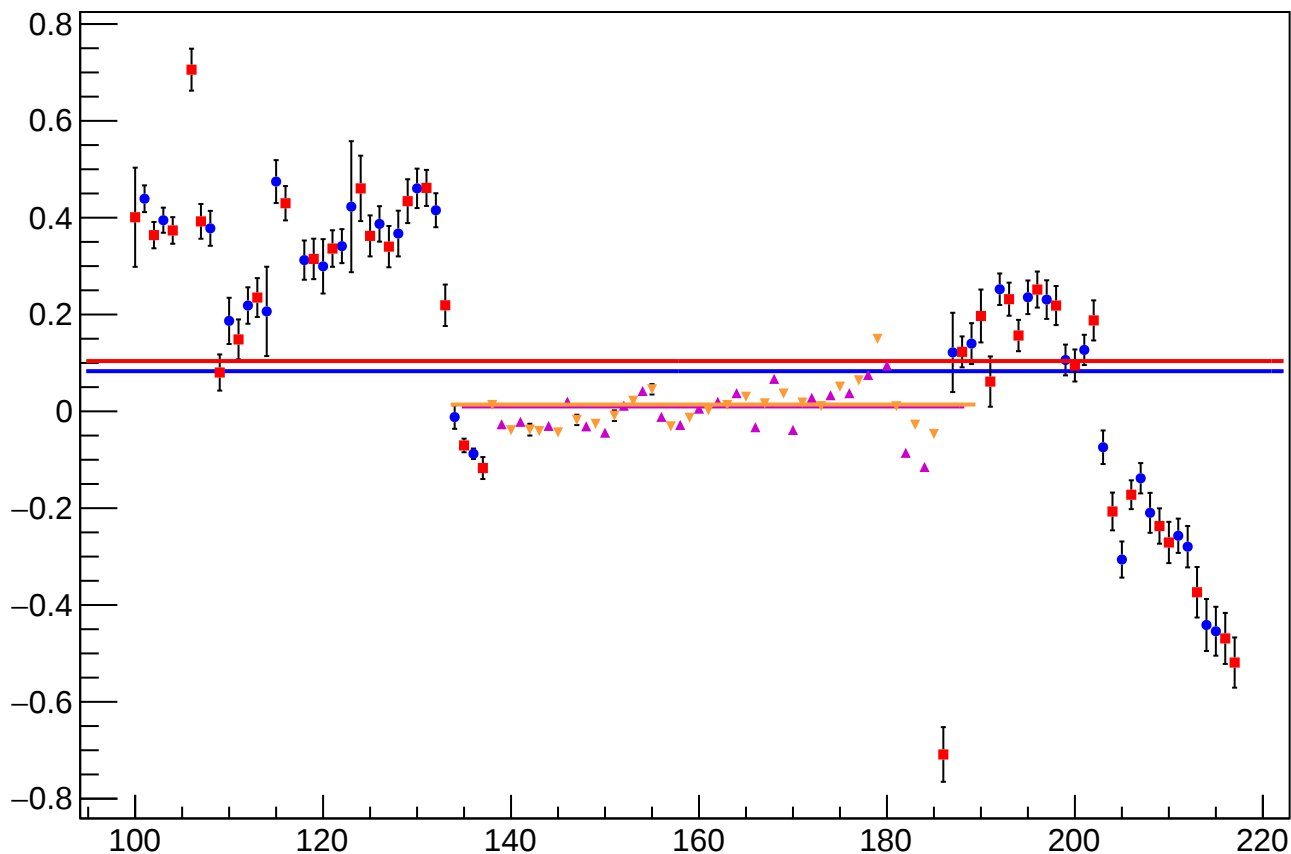
Left In: -6.045 ± 0.032 χ^2/NDF : 2293.7/22

+ sign -6.007 ± 0.030 χ^2/NDF : 4473.8/56

All: -5.999 ± 0.021 χ^2/NDF : 8335.3/115

- sign -5.991 ± 0.031 χ^2/NDF : 3861.3/58

reg_asym_sam_1357_2468_dd_diff_bpm12X_slope vs Slug



Right In: 0.083 ± 0.006 χ^2/NDF : 1794.2/31

Left Out: 0.014 ± 0.001 χ^2/NDF : 956.2/24

Right Out: 0.104 ± 0.006 χ^2/NDF : 2027.7/35

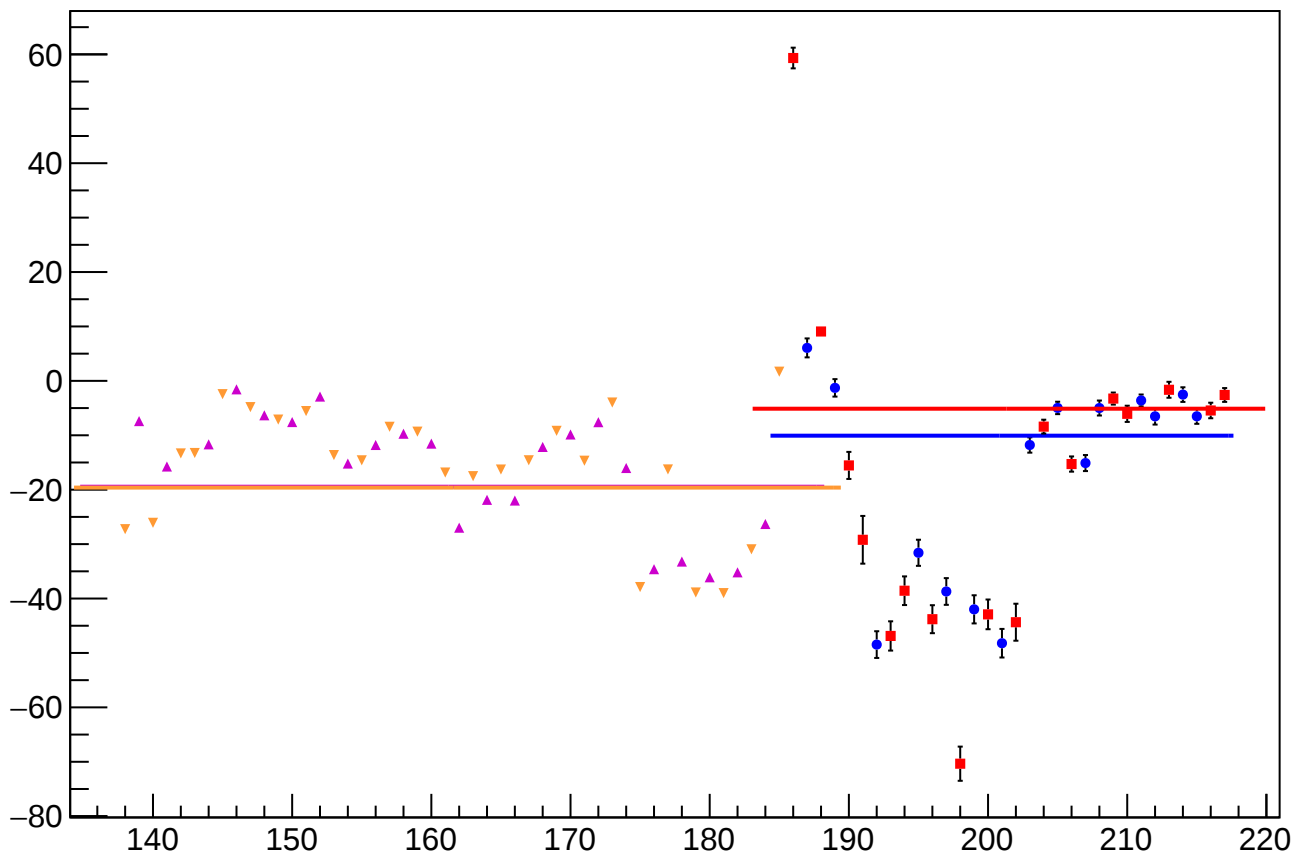
Left In: 0.010 ± 0.001 χ^2/NDF : 1216.1/22

+ sign 0.018 ± 0.001 χ^2/NDF : 2886.2/56

All: 0.017 ± 0.001 χ^2/NDF : 6372.2/115

- sign 0.016 ± 0.001 χ^2/NDF : 3484.4/58

reg_asym_sam_12345678_avg_diff_bpm1X_slope vs Slug



Right In: -10.073 ± 0.404 χ^2/NDF : 1065.3/14

Left Out: -19.612 ± 0.103 χ^2/NDF : 15761.3/24

Right Out: -5.117 ± 0.389 χ^2/NDF : 2934.9/16

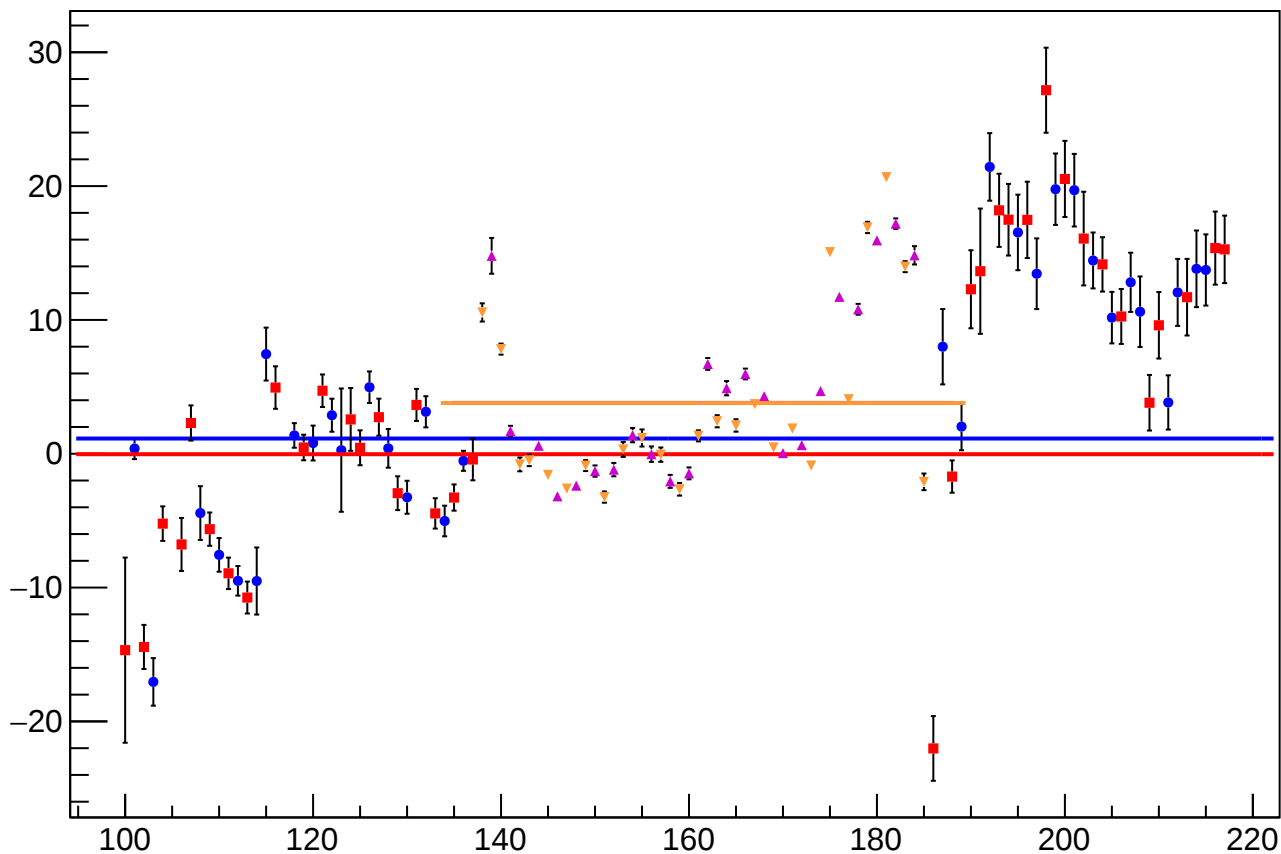
Left In: -19.450 ± 0.105 χ^2/NDF : 12283.1/22

+ sign -19.027 ± 0.100 χ^2/NDF : 17350.3/39

All: -18.756 ± 0.071 χ^2/NDF : 33848.2/79

- sign -18.476 ± 0.101 χ^2/NDF : 16482.9/39

reg_asym_sam_12345678_avg_diff_bpm4aY_slope vs Slug



Right In: 1.138 ± 0.264 $\chi^2/\text{NDF}: 728.4/31$

Left Out: 3.788 ± 0.082 $\chi^2/\text{NDF}: 7150.5/24$

Right Out: -0.034 ± 0.268 $\chi^2/\text{NDF}: 902.3/35$

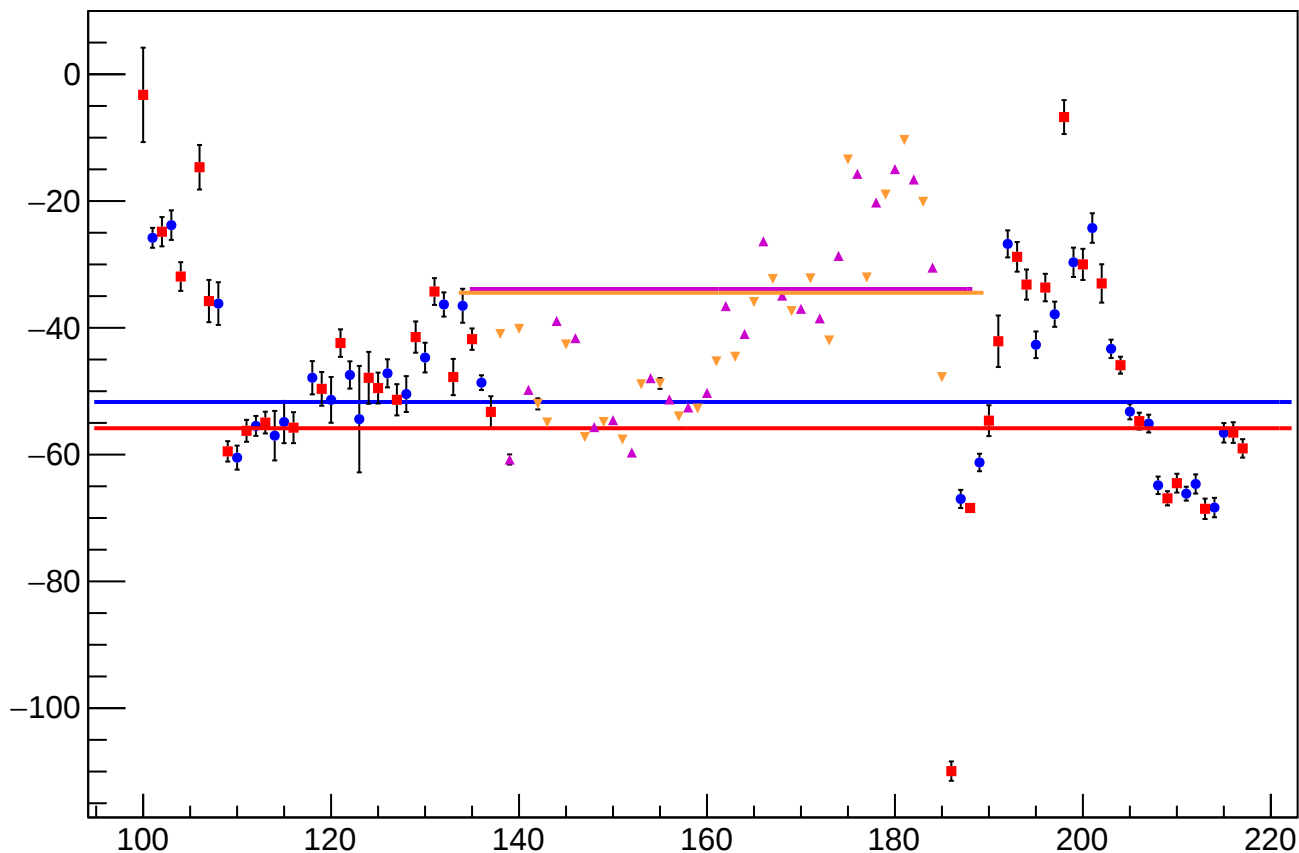
Left In: 3.799 ± 0.084 $\chi^2/\text{NDF}: 5517.0/22$

+ sign 3.555 ± 0.078 $\chi^2/\text{NDF}: 7970.7/56$

All: 3.508 ± 0.056 $\chi^2/\text{NDF}: 14577.0/115$

- sign 3.459 ± 0.080 $\chi^2/\text{NDF}: 6605.6/58$

reg_asym_sam_12345678_avg_diff_bpm4eX_slope vs Slug



Right In: -51.700 ± 0.316 χ^2/NDF : 1692.6/31

Left Out: -34.471 ± 0.104 χ^2/NDF : 20196.3/24

Right Out: -55.841 ± 0.302 χ^2/NDF : 3485.7/35

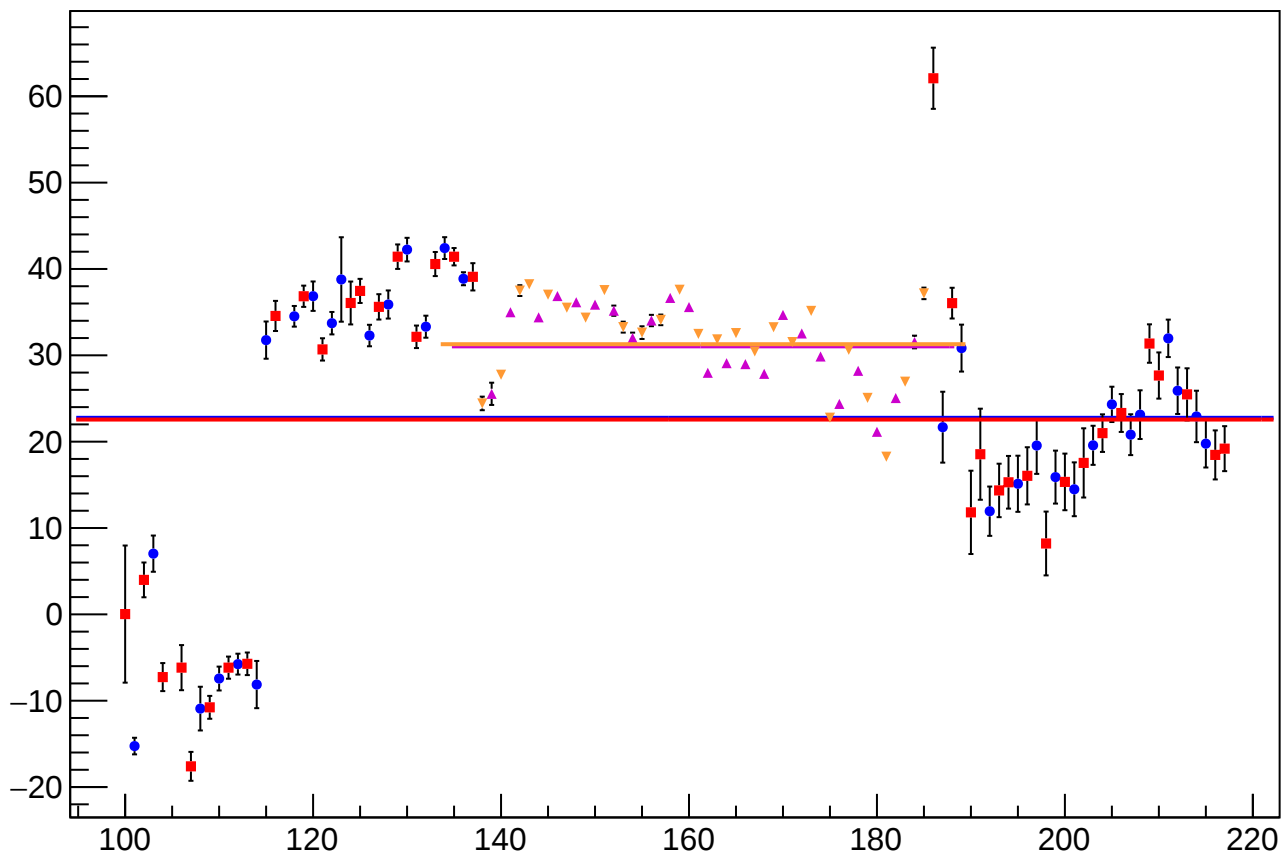
Left In: -33.875 ± 0.105 χ^2/NDF : 17638.7/22

+ sign -36.153 ± 0.099 χ^2/NDF : 24570.2/56

All: -36.203 ± 0.070 χ^2/NDF : 50410.1/115

- sign -36.254 ± 0.099 χ^2/NDF : 25839.4/58

reg_asym_sam_12345678_avg_diff_bpm4eY_slope vs Slug



Right In: 22.762 $\pm$ 0.297 χ^2 /NDF: 4383.0/31

Left Out: 31.286 $\pm$ 0.092 χ^2 /NDF:3345.7/24

Right Out: 22.561 $\pm$ 0.305 χ^2 /NDF: 4282.0/35

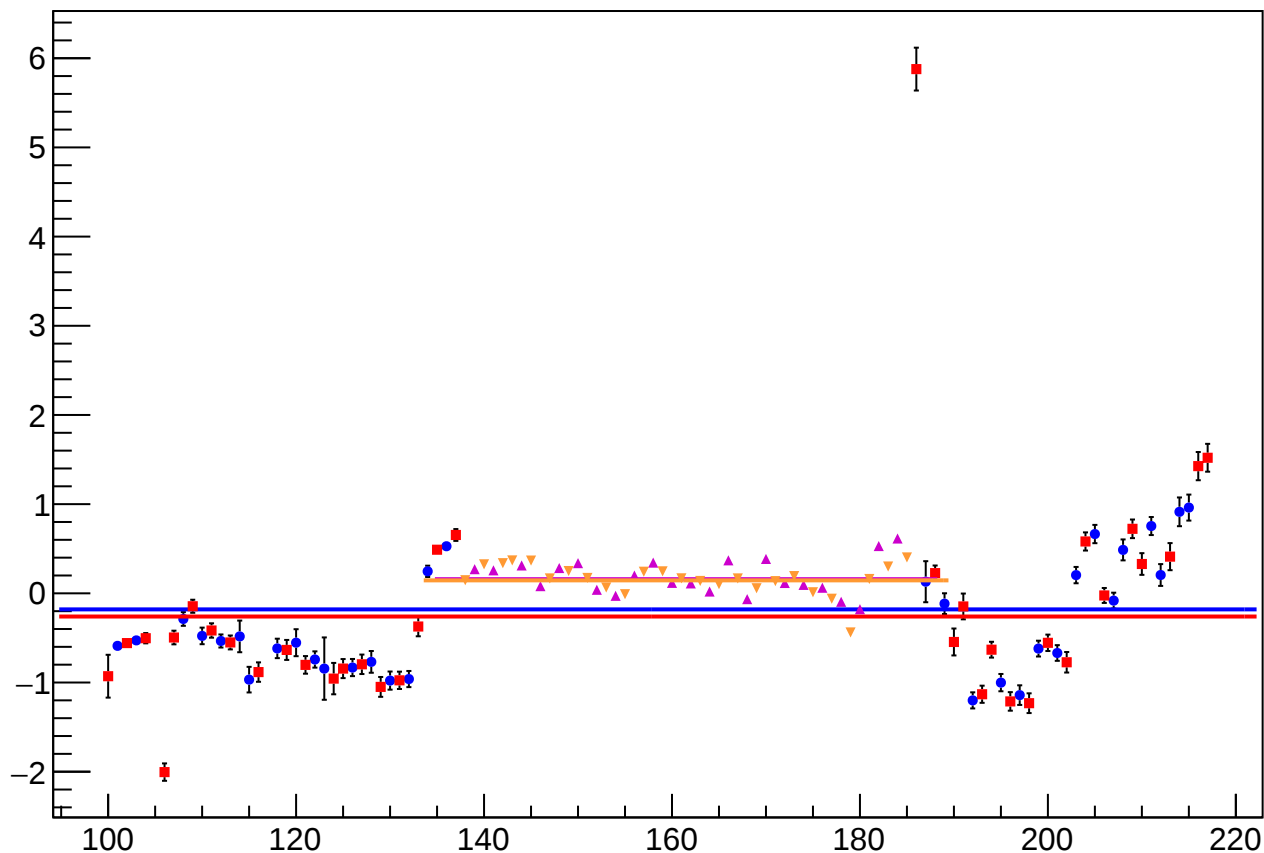
Left In: 31.039 $\pm$ 0.094 χ^2 /NDF:2480.0/22

+ sign 30.536 $\pm$ 0.088 χ^2 /NDF: 8478.1/56

All: 30.420 $\pm$ 0.063 χ^2 /NDF: 15950.2/115

- sign 30.300 $\pm$ 0.090 χ^2 /NDF: 7468.6/58

reg_asym_sam_12345678_avg_diff_bpm12X_slope vs Slug



Right In: -0.180 ± 0.015 χ^2/NDF : 1650.3/31

Left Out: 0.145 ± 0.004 χ^2/NDF : 1579.6/24

Right Out: -0.260 ± 0.015 χ^2/NDF : 2619.0/35

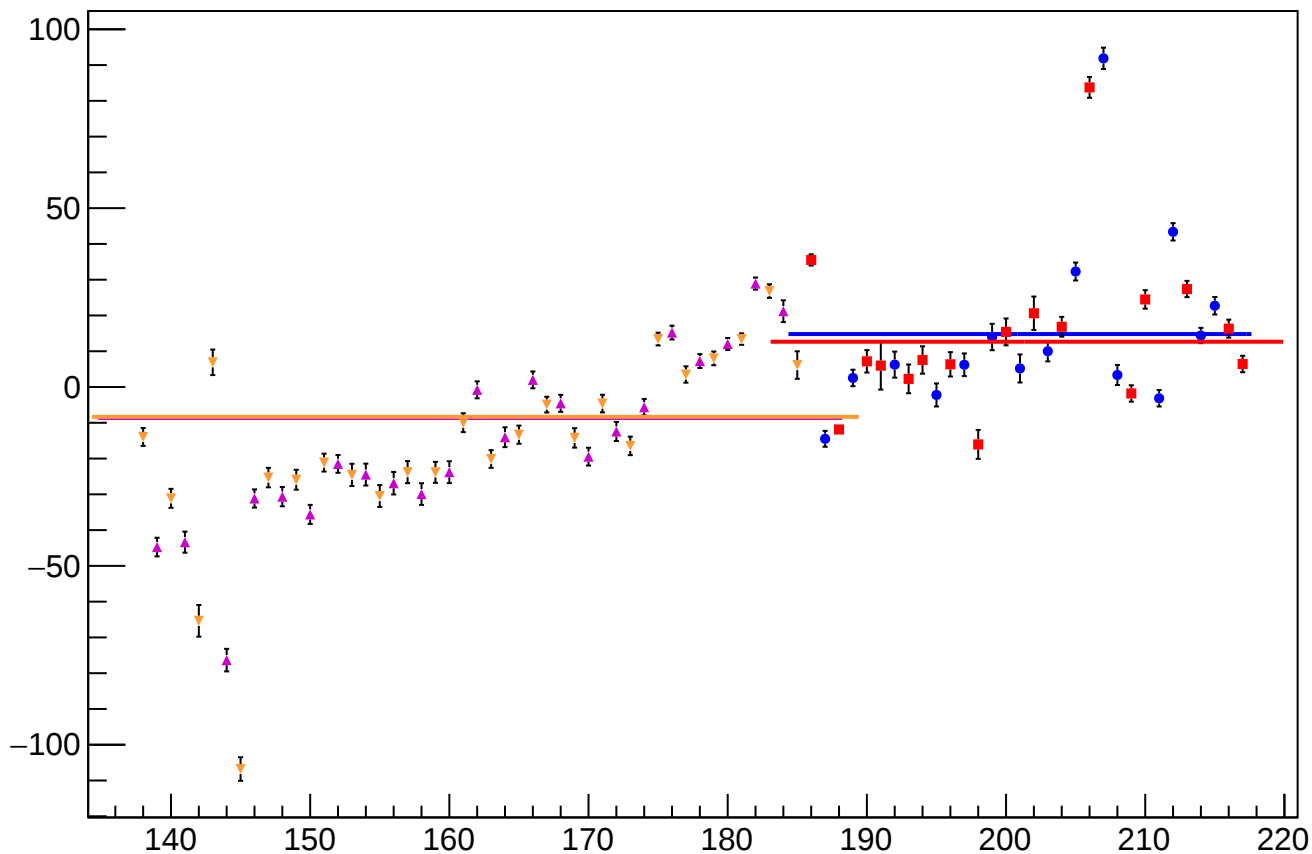
Left In: 0.159 ± 0.004 χ^2/NDF : 2009.8/22

+ sign 0.121 ± 0.004 χ^2/NDF : 3669.5/56

All: 0.124 ± 0.003 χ^2/NDF : 9011.1/115

- sign 0.127 ± 0.004 χ^2/NDF : 5340.5/58

reg_asym_atl1_diff_bpm1X_slope vs Slug



Right In: 14.805 ± 0.696 $\chi^2/\text{NDF}: 1192.5/14$

Left Out: -8.332 ± 0.500 $\chi^2/\text{NDF}: 2226.2/24$

Right Out: 12.663 ± 0.608 $\chi^2/\text{NDF}: 1384.2/16$

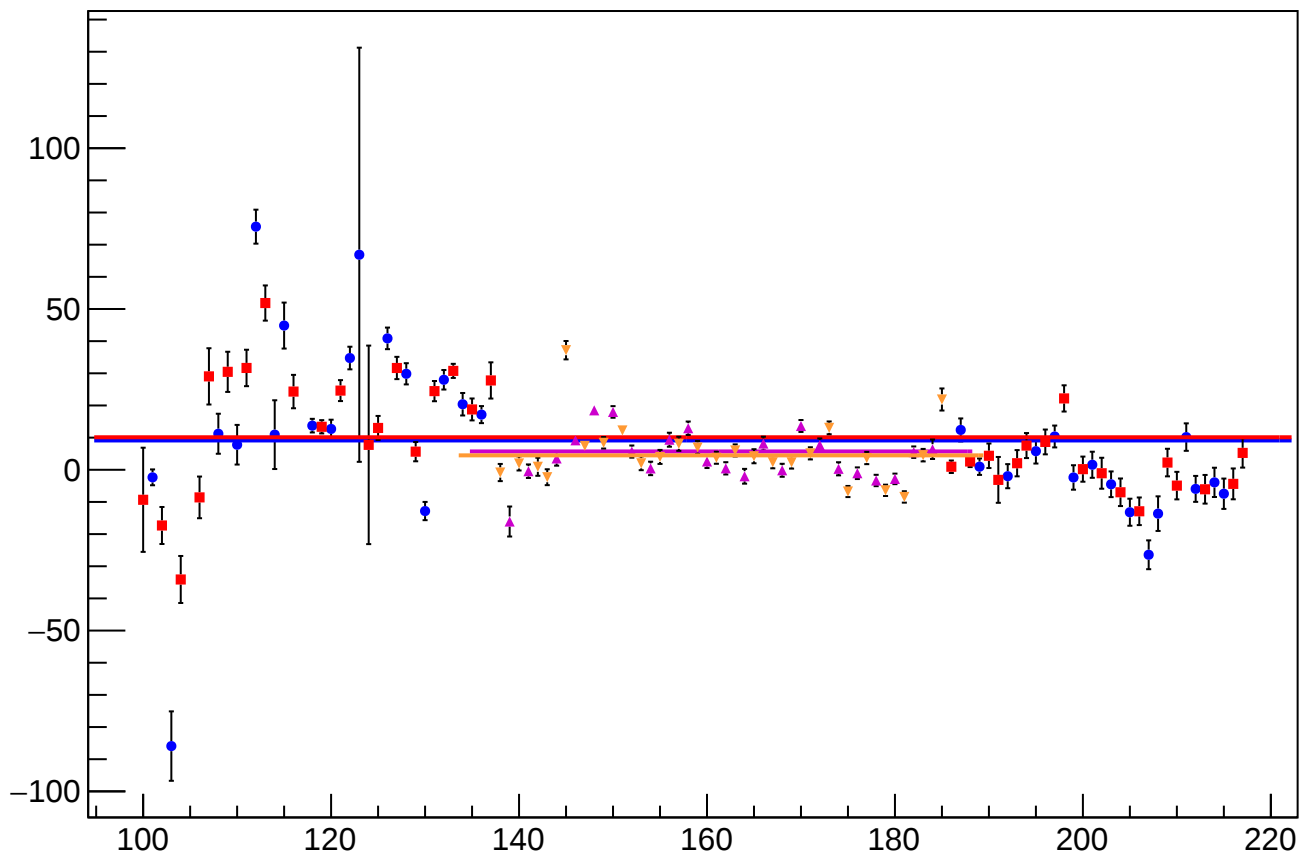
Left In: -8.652 ± 0.507 $\chi^2/\text{NDF}: 2223.8/22$

+ sign -0.460 ± 0.406 $\chi^2/\text{NDF}: 4148.4/39$

All: -0.170 ± 0.281 $\chi^2/\text{NDF}: 8482.4/79$

- sign 0.097 ± 0.389 $\chi^2/\text{NDF}: 4333.0/39$

reg_asym_atl1_diff_bpm4aY_slope vs Slug



Right In: 9.118 $\pm$ 0.652 χ^2 /NDF: 778.1/31

Left Out: 4.484 $\pm$ 0.392 χ^2 /NDF: 371.9/24

Right Out: 10.111 $\pm$ 0.614 χ^2 /NDF: 510.1/35

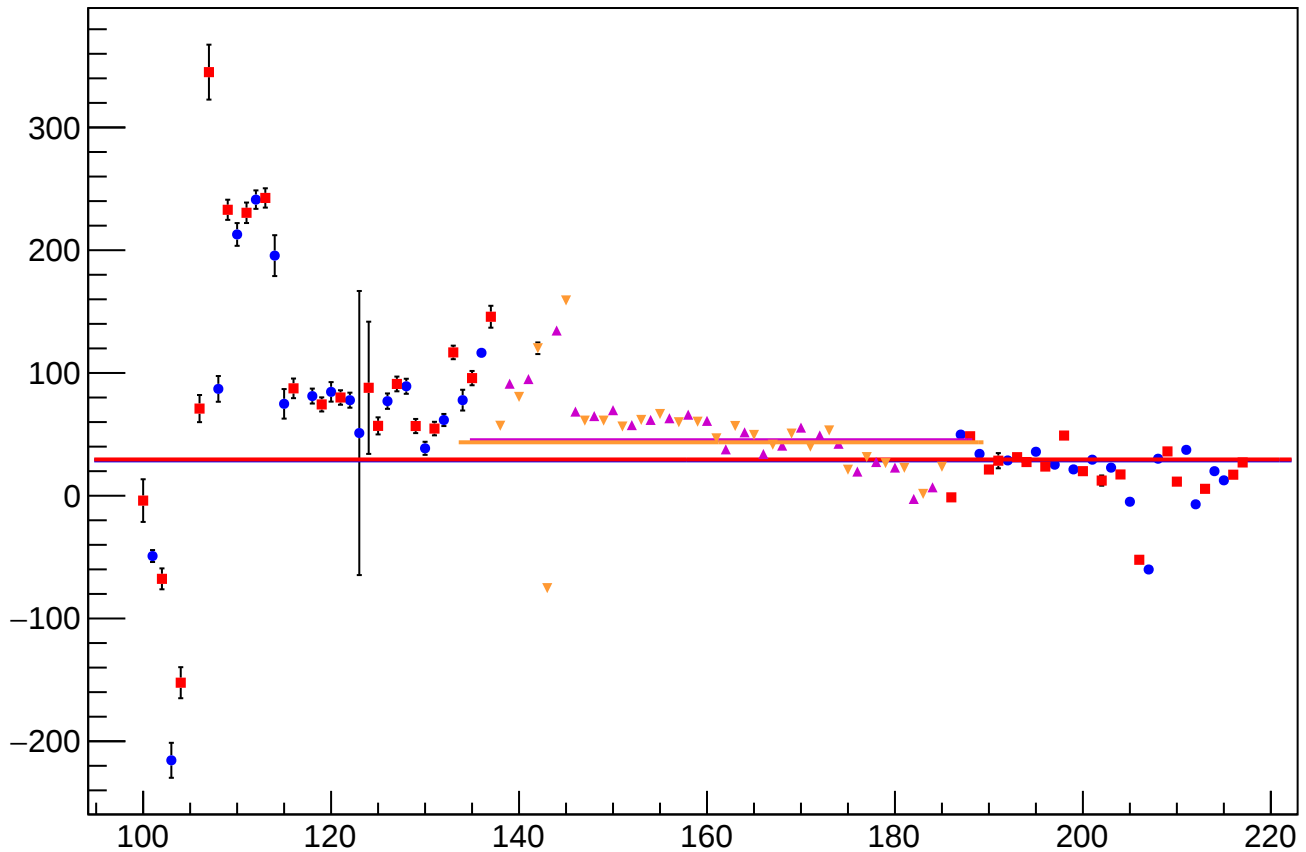
Left In: 5.705 $\pm$ 0.404 χ^2 /NDF: 324.1/22

+ sign 5.715 $\pm$ 0.336 χ^2 /NDF: 1187.1/56

All: 6.372 $\pm$ 0.238 χ^2 /NDF: 2064.8/115

- sign 7.036 $\pm$ 0.338 χ^2 /NDF: 870.0/58

reg_asym_atl1_diff_bpm4eX_slope vs Slug



Right In: 28.796 ± 0.613 χ^2/NDF : 4346.4/31

Left Out: 43.524 ± 0.498 χ^2/NDF : 3830.7/24

Right Out: 29.545 ± 0.524 χ^2/NDF : 5466.8/35

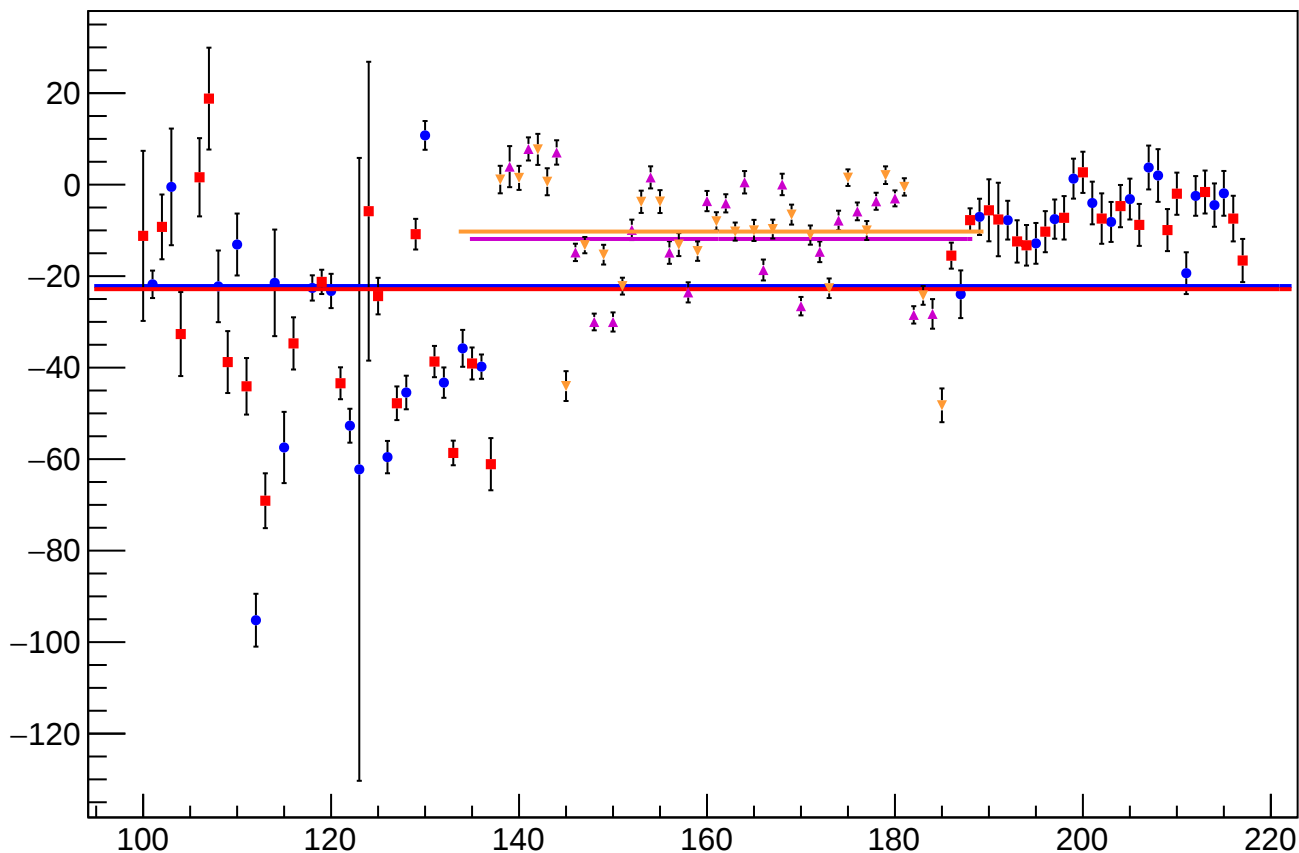
Left In: 45.211 ± 0.504 χ^2/NDF : 3048.5/22

+ sign 37.664 ± 0.387 χ^2/NDF : 8524.5/56

All: 37.669 ± 0.265 χ^2/NDF : 17504.2/115

- sign 37.674 ± 0.363 χ^2/NDF : 8979.7/58

reg_asym_atl1_diff_bpm4eY_slope vs Slug



Right In: -22.163 ± 0.755 χ^2/NDF : 824.5/31

Left Out: -10.257 ± 0.444 χ^2/NDF : 552.4/24

Right Out: -22.848 ± 0.735 χ^2/NDF : 672.2/35

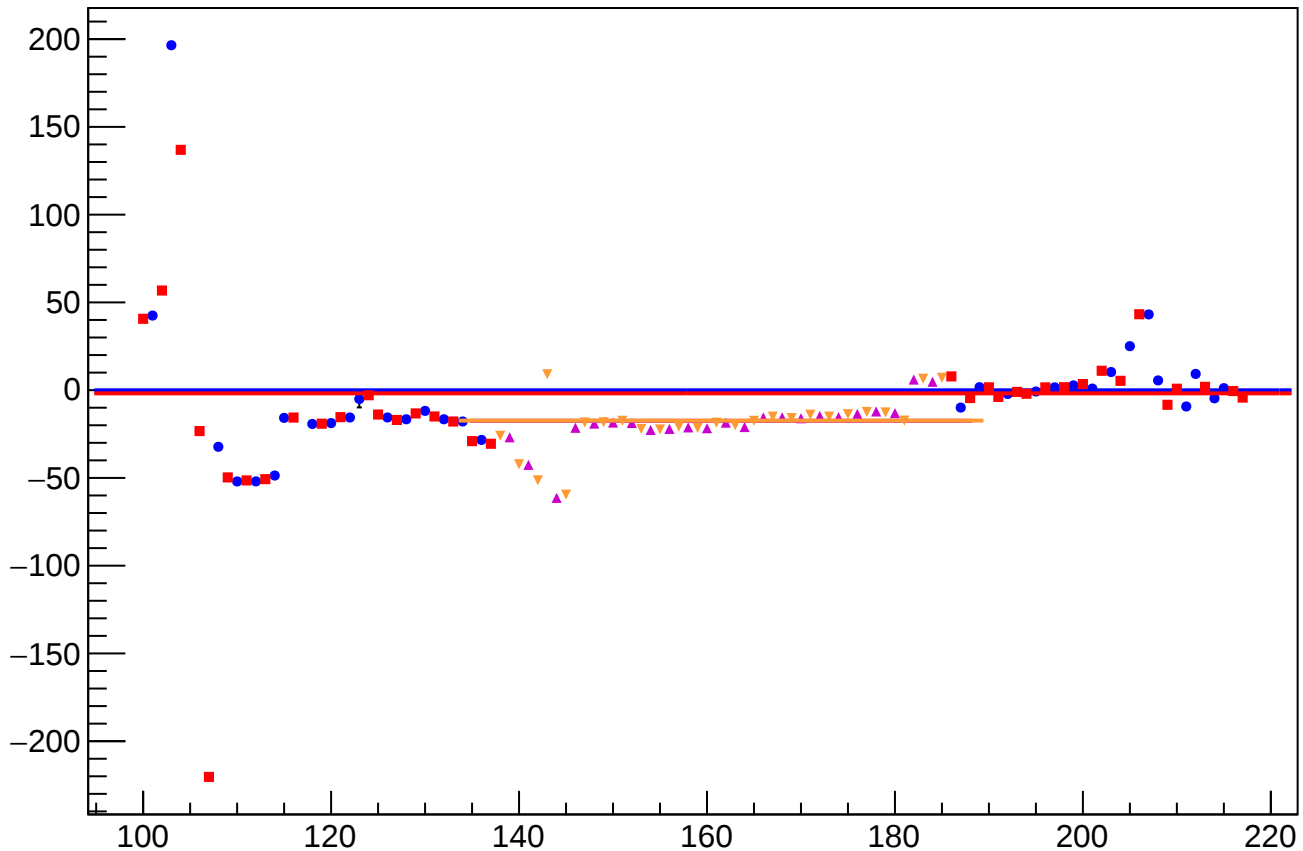
Left In: -11.877 ± 0.456 χ^2/NDF : 666.2/22

+ sign -13.322 ± 0.383 χ^2/NDF : 1561.8/56

All: -14.116 ± 0.272 χ^2/NDF : 3070.0/115

- sign -14.929 ± 0.387 χ^2/NDF : 1499.5/58

reg_asym_atl1_diff_bpm12X_slope vs Slug



Right In: -0.093 ± 0.036 χ^2/NDF : 678312.7/31

Left Out: -17.333 ± 0.020 χ^2/NDF : 325197.2/24

Right Out: -1.817 ± 0.034 χ^2/NDF : 672412.7/35

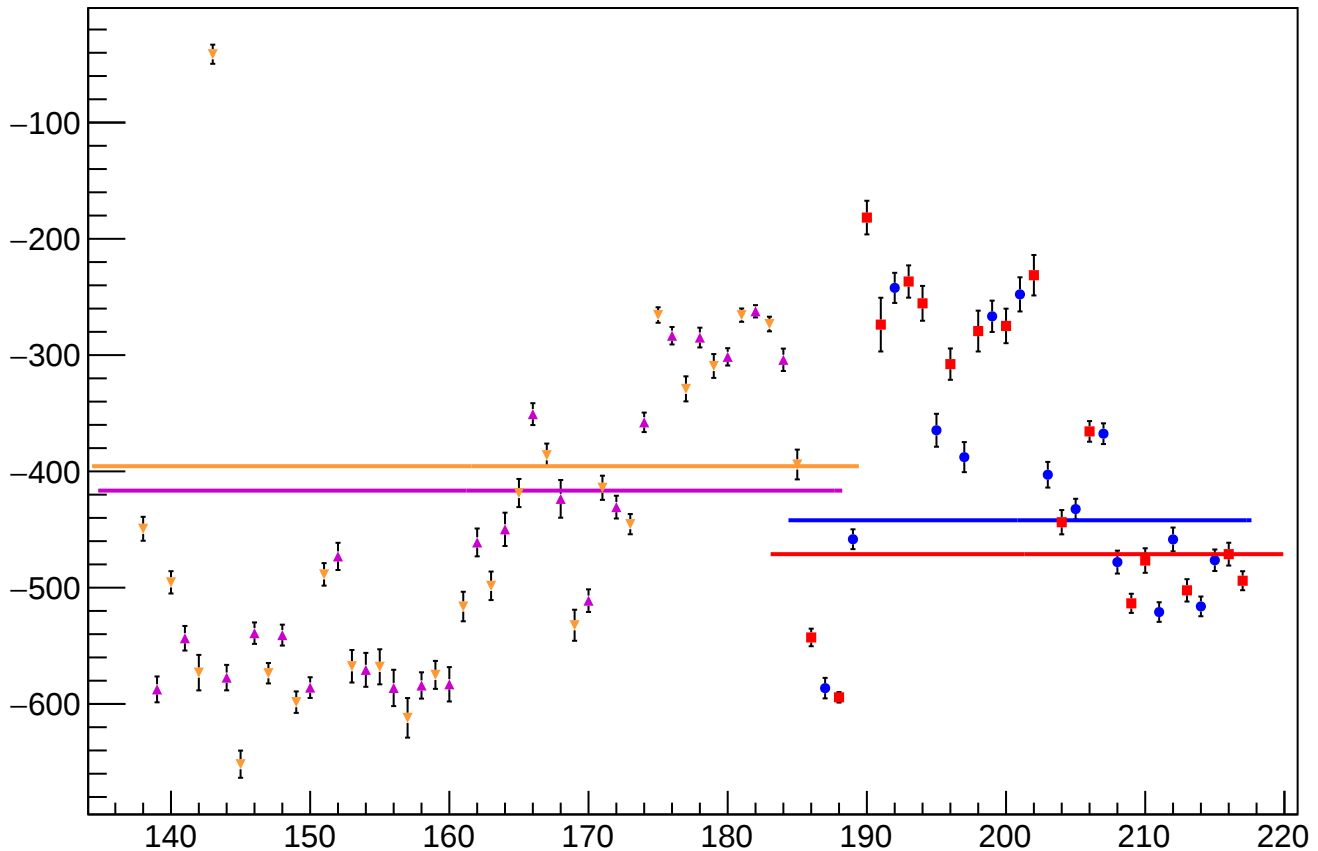
Left In: -17.491 ± 0.021 χ^2/NDF : 259215.8/22

+ sign -13.060 ± 0.018 χ^2/NDF : 1180492.9/56

All: -13.202 ± 0.013 χ^2/NDF : 2264281.5/115

- sign -13.345 ± 0.018 χ^2/NDF : 1083659.5/58

reg_asym_atl2_diff_bpm1X_slope vs Slug



Right In: -442.049 ± 2.611 χ^2/NDF : 1178.9/14

Left Out: -395.547 ± 1.953 χ^2/NDF : 5946.5/24

Right Out: -471.183 ± 2.345 χ^2/NDF : 2634.0/16

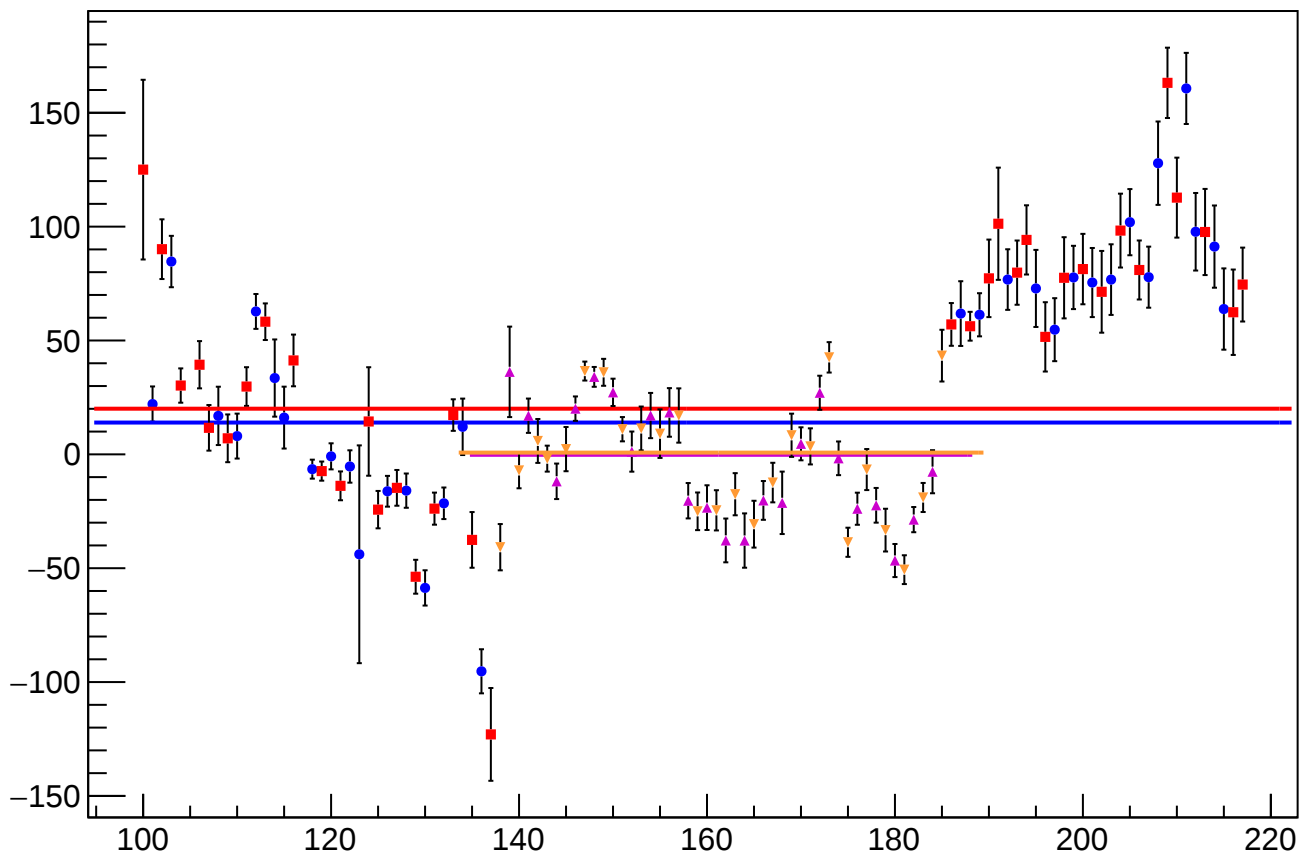
Left In: -416.521 ± 2.005 χ^2/NDF : 3917.0/22

+ sign -412.237 ± 1.564 χ^2/NDF : 7328.8/39

All: -426.279 ± 1.091 χ^2/NDF : 14350.9/79

- sign -439.606 ± 1.524 χ^2/NDF : 6865.0/39

reg_asym_atl2_diff_bpm4aY_slope vs Slug



Right In: 13.963 ± 1.713 $\chi^2/\text{NDF}: 769.4/31$

Left Out: 0.767 ± 1.503 $\chi^2/\text{NDF}: 350.1/24$

Right Out: 20.050 ± 1.657 $\chi^2/\text{NDF}: 742.5/35$

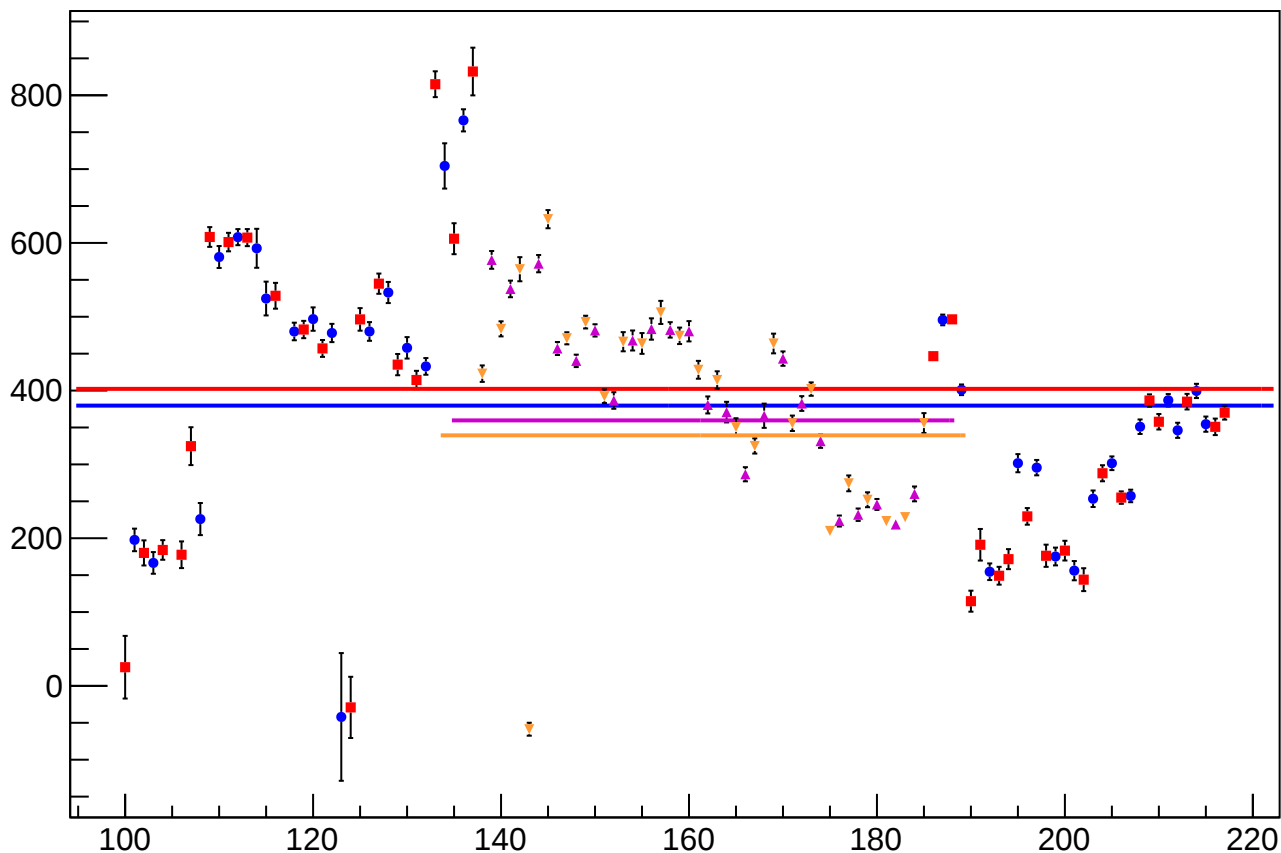
Left In: -0.202 ± 1.575 $\chi^2/\text{NDF}: 260.8/22$

+ sign 6.504 ± 1.130 $\chi^2/\text{NDF}: 1153.0/56$

All: 7.943 ± 0.803 $\chi^2/\text{NDF}: 2238.1/115$

- sign 9.413 ± 1.142 $\chi^2/\text{NDF}: 1081.8/58$

reg_asym_atl2_diff_bpm4eX_slope vs Slug



Right In: 379.629 ± 2.056 $\chi^2/\text{NDF}: 4135.1/31$

Left Out: 339.355 ± 1.963 $\chi^2/\text{NDF}: 5502.5/24$

Right Out: 402.323 ± 1.826 $\chi^2/\text{NDF}: 6144.5/35$

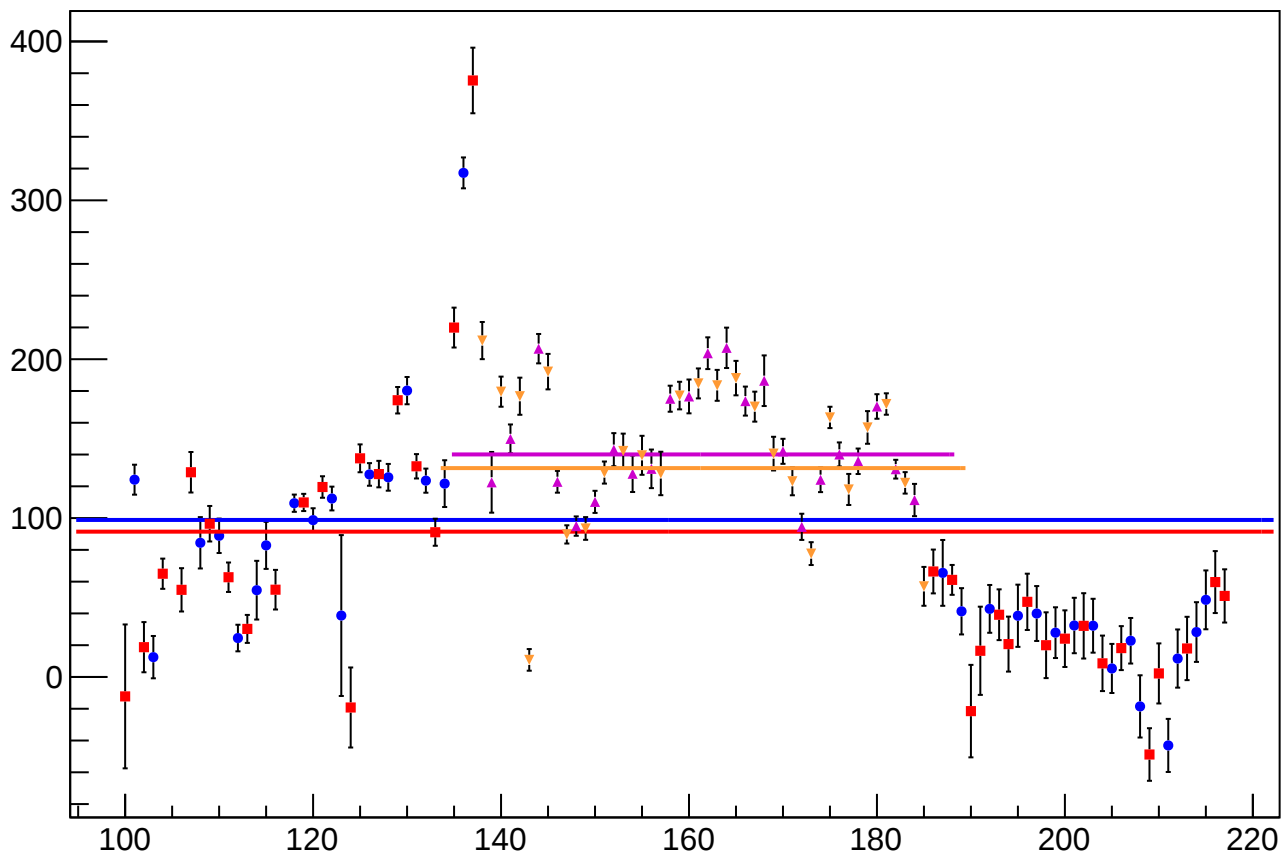
Left In: 359.609 ± 2.003 $\chi^2/\text{NDF}: 3398.5/22$

+ sign 358.555 ± 1.420 $\chi^2/\text{NDF}: 9838.3/56$

All: 371.359 ± 0.978 $\chi^2/\text{NDF}: 19784.5/115$

- sign 382.928 ± 1.349 $\chi^2/\text{NDF}: 9791.4/58$

reg_asym_atl2_diff_bpm4eY_slope vs Slug



Right In: 98.830 ± 1.988 χ^2/NDF : 1098.9/31

Left Out: 131.464 ± 1.728 χ^2/NDF : 809.3/24

Right Out: 91.463 ± 1.939 χ^2/NDF : 903.7/35

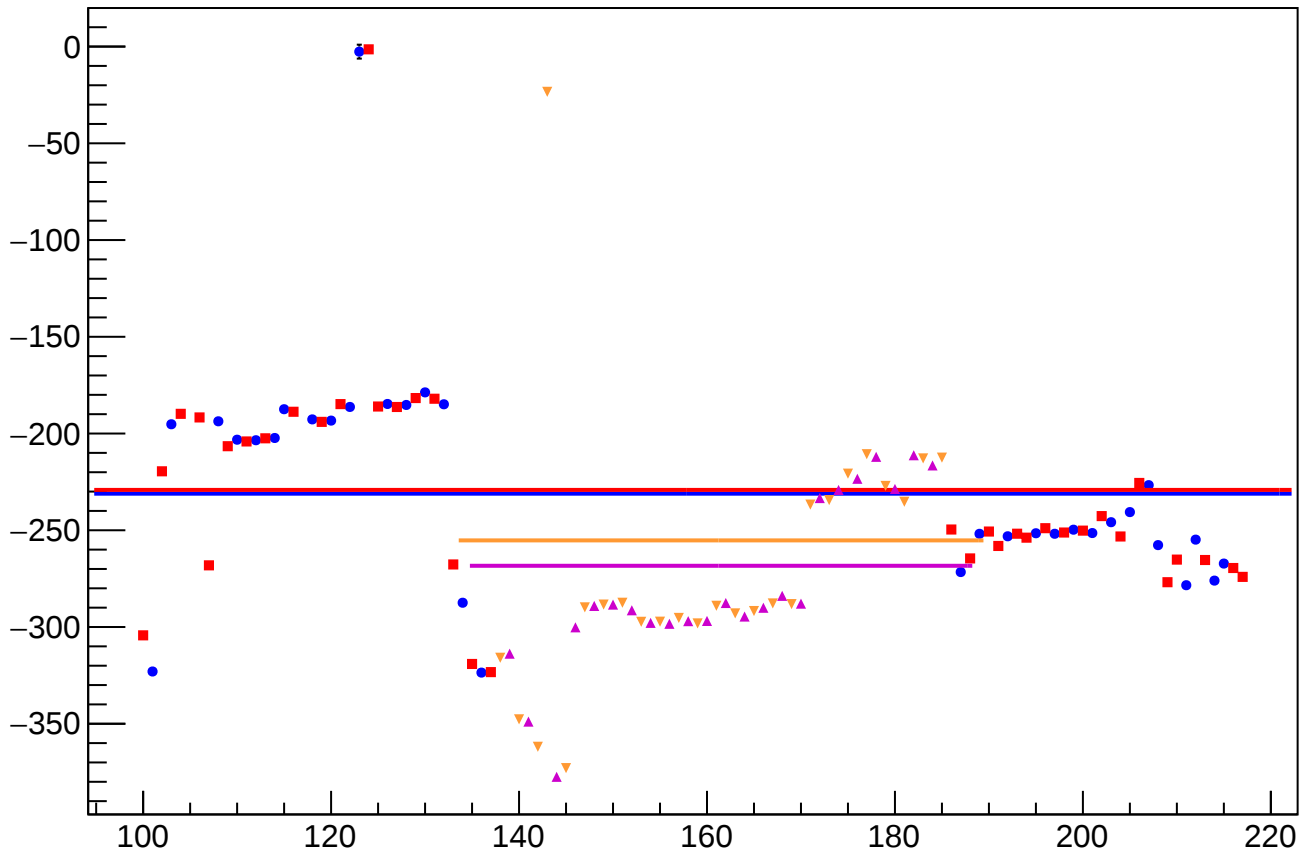
Left In: 140.069 ± 1.795 χ^2/NDF : 316.5/22

+ sign 117.422 ± 1.304 χ^2/NDF : 2061.7/56

All: 117.530 ± 0.927 χ^2/NDF : 3620.3/115

- sign 117.641 ± 1.317 χ^2/NDF : 1558.5/58

reg_asym_atl2_diff_bpm12X_slope vs Slug



Right In: -231.086 ± 0.105 $\chi^2/\text{NDF}: 176615.4/31$

Left Out: -255.232 ± 0.082 $\chi^2/\text{NDF}: 728016.7/24$

Right Out: -229.139 ± 0.100 $\chi^2/\text{NDF}: 159998.6/35$

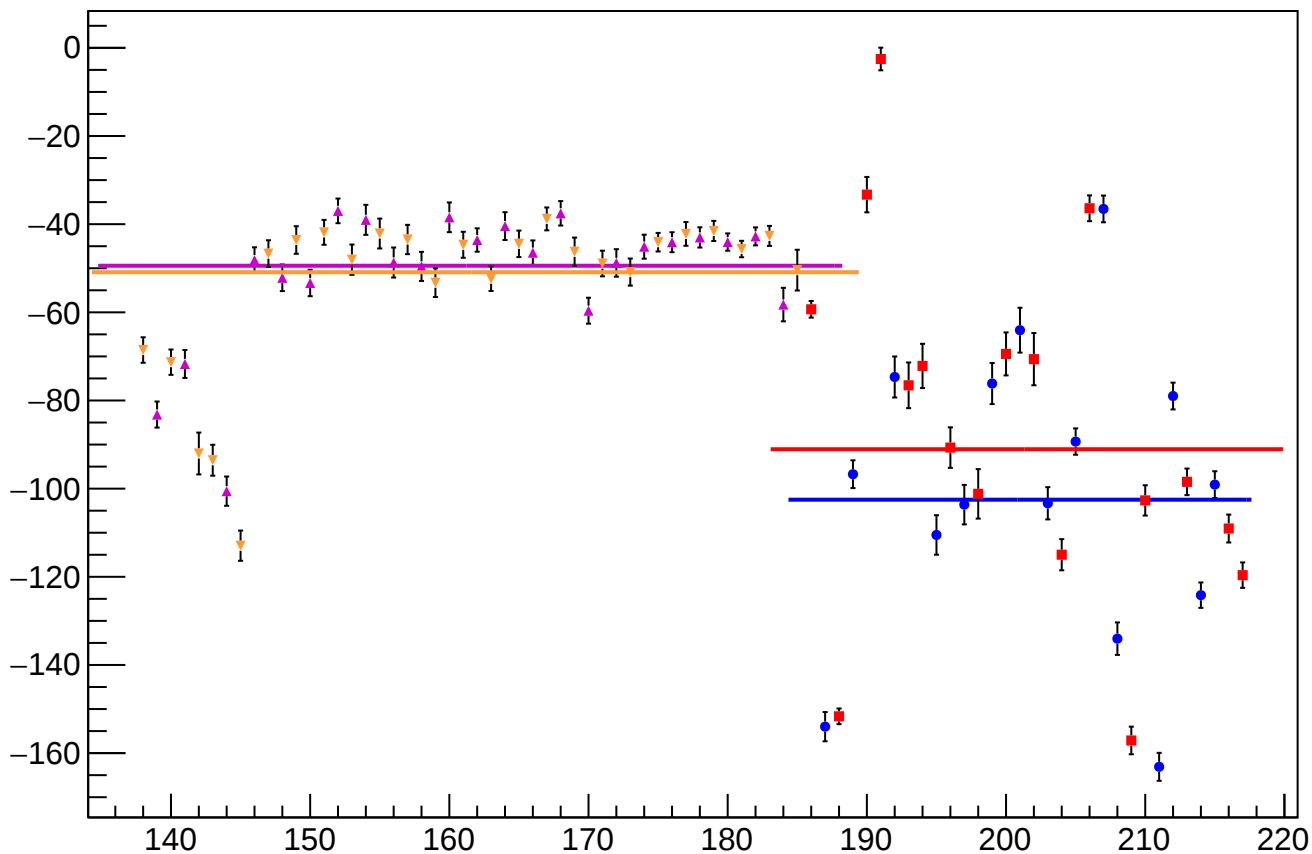
Left In: -268.353 ± 0.084 $\chi^2/\text{NDF}: 262479.3/22$

+ sign -246.124 ± 0.065 $\chi^2/\text{NDF}: 937368.6/56$

All: -249.227 ± 0.046 $\chi^2/\text{NDF}: 1454507.0/11$

- sign -252.288 ± 0.064 $\chi^2/\text{NDF}: 512567.8/58$

reg_asym_atr1_diff_bpm1X_slope vs Slug



Right In: -102.507 ± 0.902 $\chi^2/\text{NDF}: 1421.5/14$

Left Out: -50.897 ± 0.573 $\chi^2/\text{NDF}: 761.1/24$

Right Out: -91.058 ± 0.756 $\chi^2/\text{NDF}: 3880.3/16$

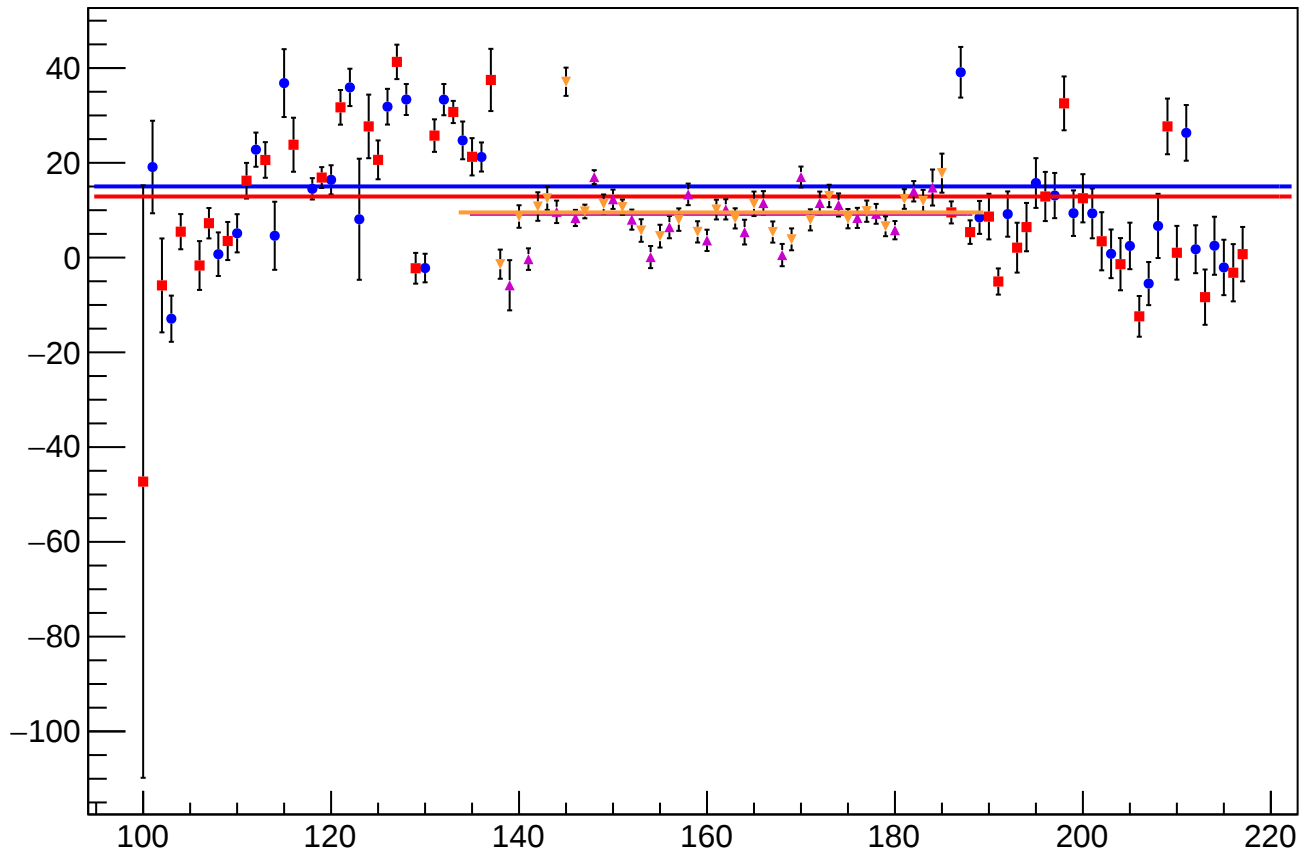
Left In: -49.432 ± 0.584 $\chi^2/\text{NDF}: 543.4/22$

+ sign -65.717 ± 0.484 $\chi^2/\text{NDF}: 4514.1/39$

All: -65.335 ± 0.334 $\chi^2/\text{NDF}: 10837.9/79$

- sign -64.987 ± 0.462 $\chi^2/\text{NDF}: 6322.7/39$

reg_asym_atr1_diff_bpm4aY_slope vs Slug



Right In: 15.017 ± 0.750 χ^2/NDF : 305.7/31

Left Out: 9.530 ± 0.446 χ^2/NDF : 134.4/24

Right Out: 12.890 ± 0.659 χ^2/NDF : 396.6/35

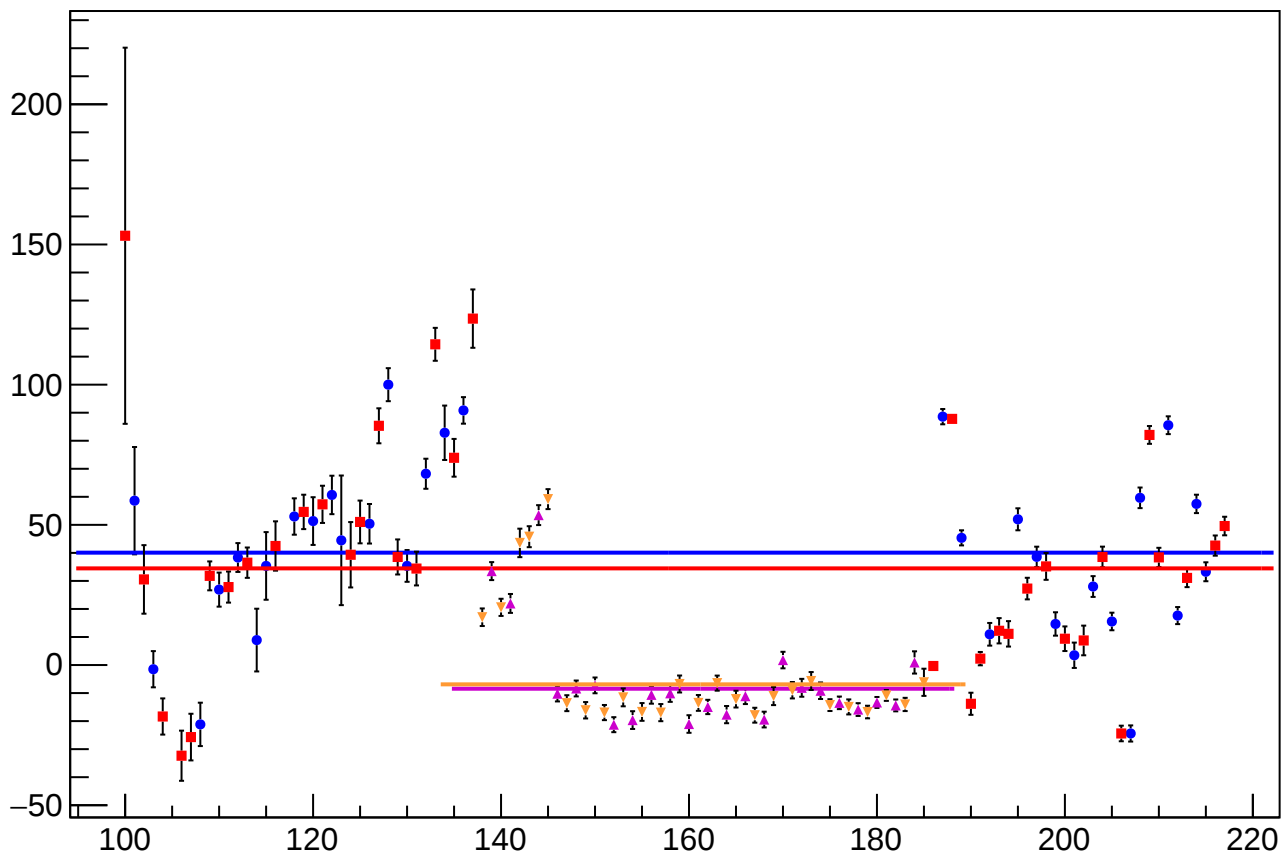
Left In: 9.231 ± 0.462 χ^2/NDF : 124.0/22

+ sign 10.964 ± 0.383 χ^2/NDF : 479.6/56

All: 10.696 ± 0.269 χ^2/NDF : 1021.8/115

- sign 10.436 ± 0.378 χ^2/NDF : 541.3/58

reg_asym_atr1_diff_bpm4eX_slope vs Slug



Right In: 40.082 $\pm$ 0.769 χ^2 /NDF: 1777.7/31

Left Out: -6.888 $\pm$ 0.571 χ^2 /NDF: 914.2/24

Right Out: 34.472 $\pm$ 0.633 χ^2 /NDF: 3624.4/35

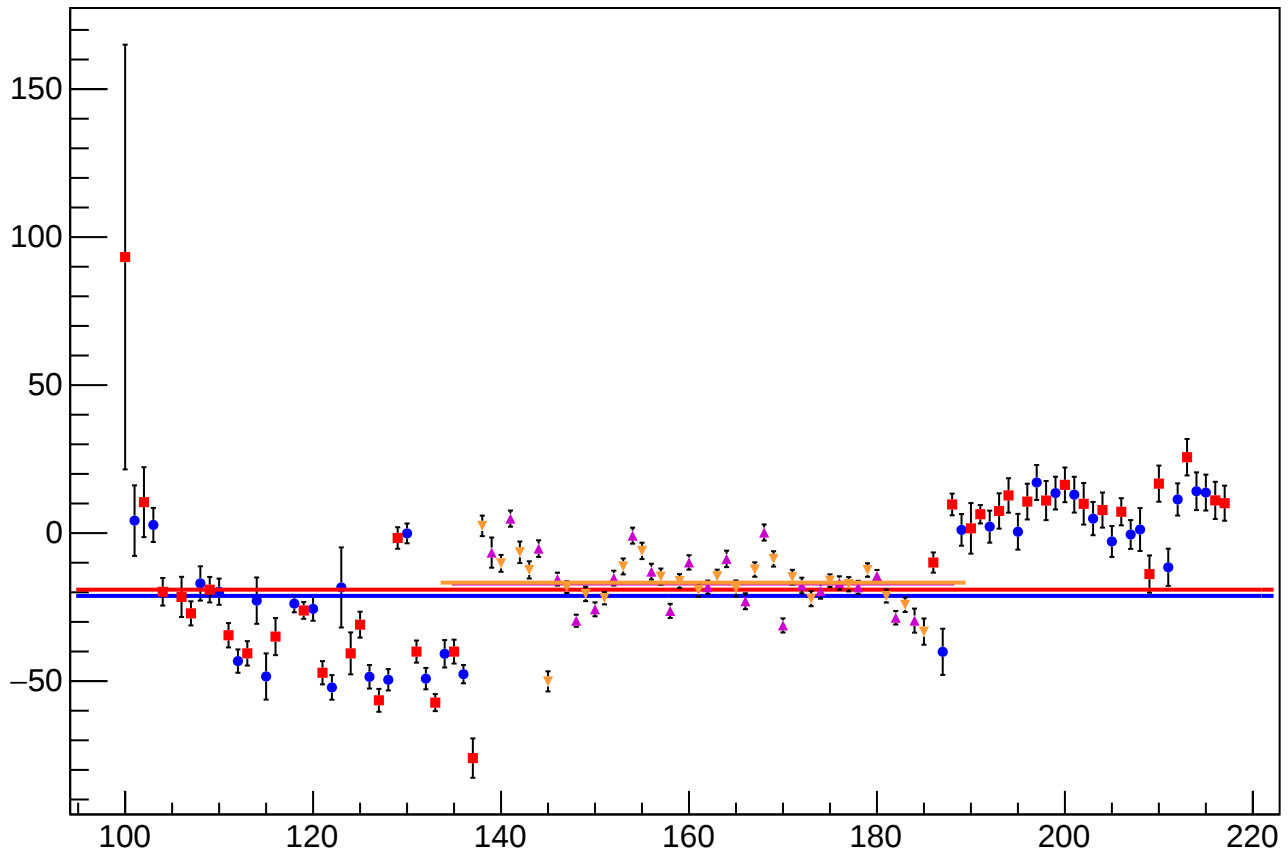
Left In: -8.451 $\pm$ 0.580 χ^2 /NDF: 688.9/22

+ sign 9.809 $\pm$ 0.458 χ^2 /NDF: 5097.6/56

All: 10.520 $\pm$ 0.313 χ^2 /NDF: 11916.5/115

- sign 11.139 $\pm$ 0.427 χ^2 /NDF: 6814.5/58

reg_asym_atr1_diff_bpm4eY_slope vs Slug



Right In: -21.209 ± 0.858 χ^2/NDF : 756.2/31

Left Out: -16.733 ± 0.507 χ^2/NDF : 223.3/24

Right Out: -19.108 ± 0.777 χ^2/NDF : 1038.1/35

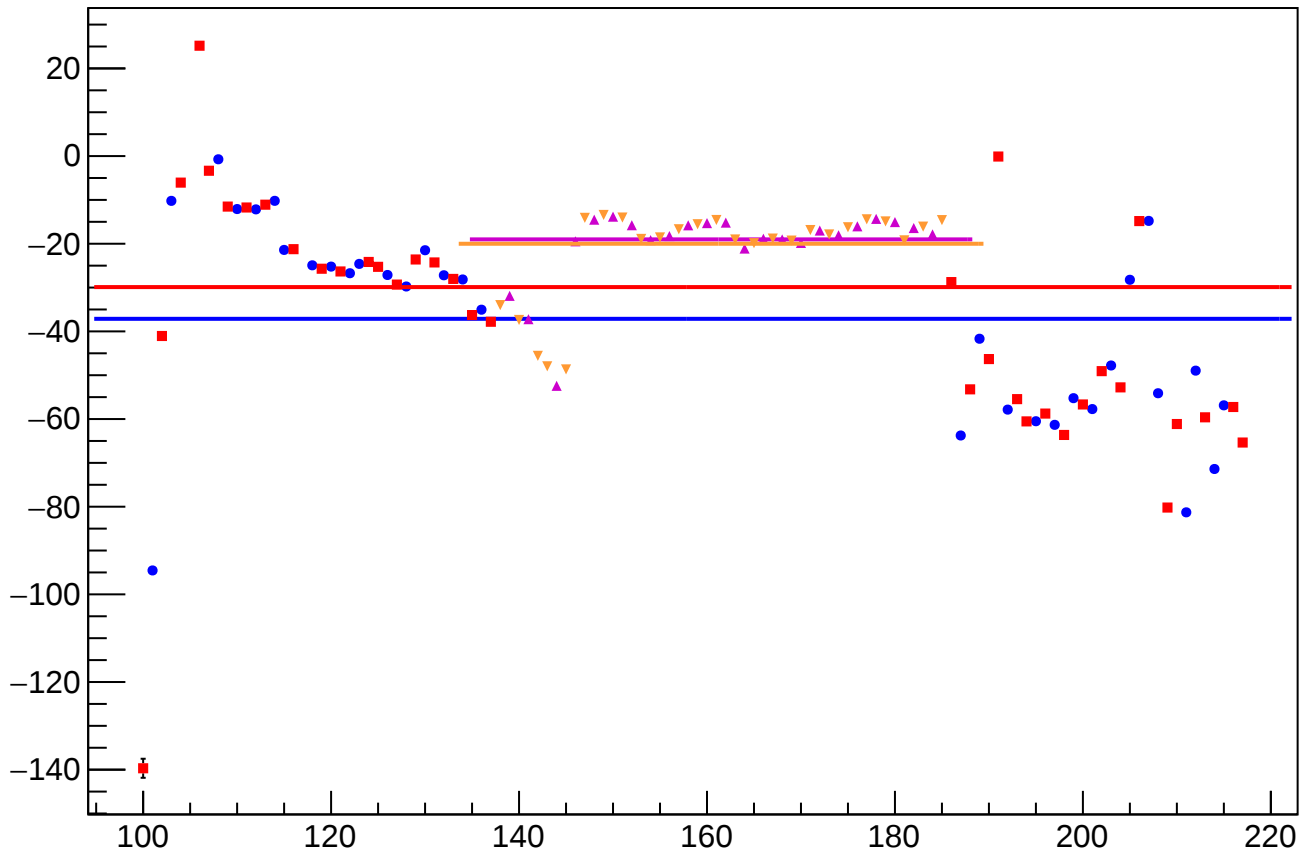
Left In: -17.023 ± 0.522 χ^2/NDF : 327.6/22

+ sign -17.890 ± 0.436 χ^2/NDF : 999.6/56

All: -17.780 ± 0.307 χ^2/NDF : 2370.4/115

- sign -17.671 ± 0.433 χ^2/NDF : 1370.7/58

reg_asym_atr1_diff_bpm12X_slope vs Slug



Right In: -37.133 ± 0.041 $\chi^2/\text{NDF}: 258814.0/31$

Left Out: -20.006 ± 0.023 $\chi^2/\text{NDF}: 145623.8/24$

Right Out: -29.892 ± 0.036 $\chi^2/\text{NDF}: 485899.5/35$

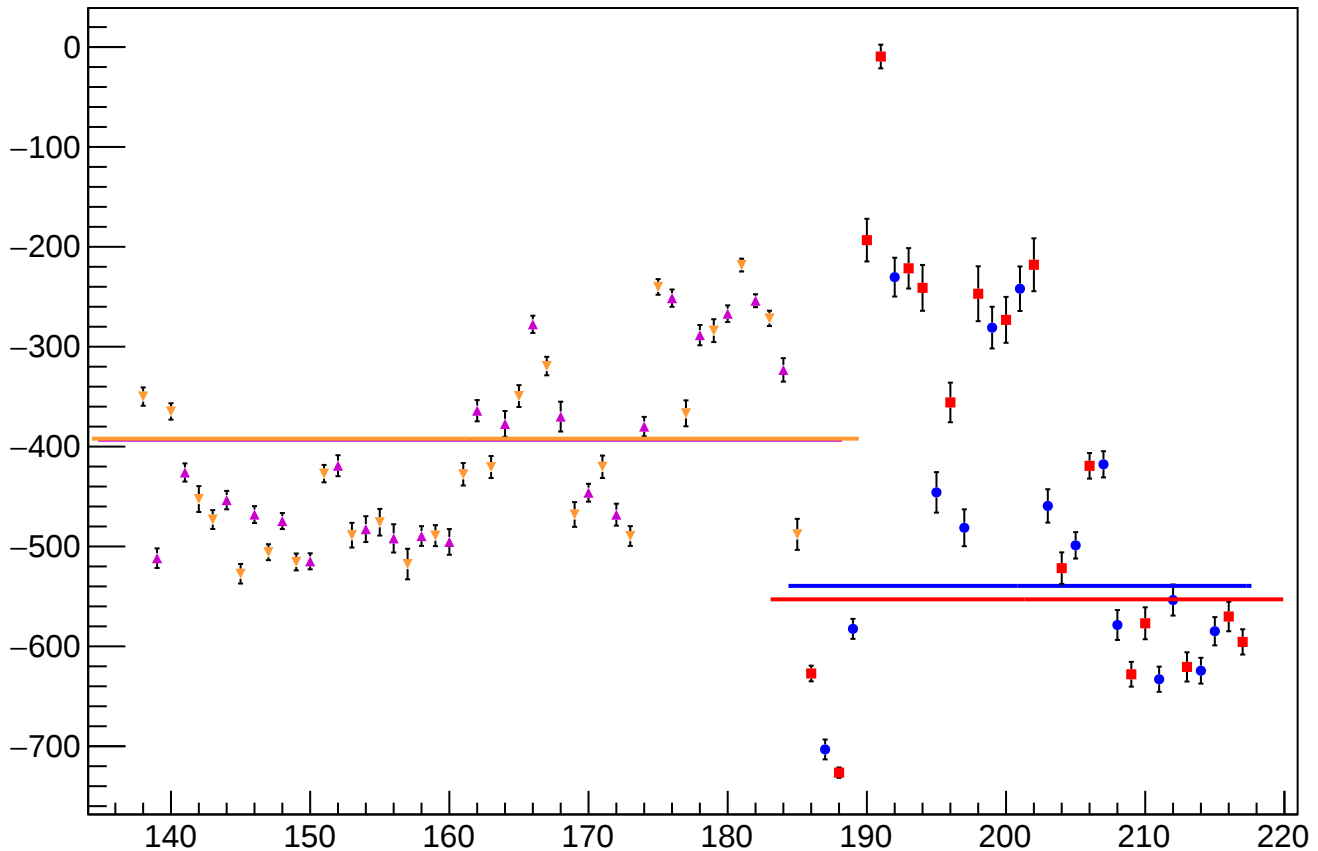
Left In: -19.007 ± 0.024 $\chi^2/\text{NDF}: 90873.3/22$

+ sign -24.234 ± 0.020 $\chi^2/\text{NDF}: 537864.3/56$

All: -23.255 ± 0.014 $\chi^2/\text{NDF}: 1183584.9/115$

- sign -22.322 ± 0.020 $\chi^2/\text{NDF}: 641139.3/58$

reg_asym_atr2_diff_bpm1X_slope vs Slug



Right In: -539.465 $\pm$ 3.691 χ^2 /NDF: 1139.6/14

Left Out: -392.054 $\pm$ 1.967 χ^2 /NDF: 2717.2/24

Right Out: -552.938 $\pm$ 3.011 χ^2 /NDF: 4766.2/16

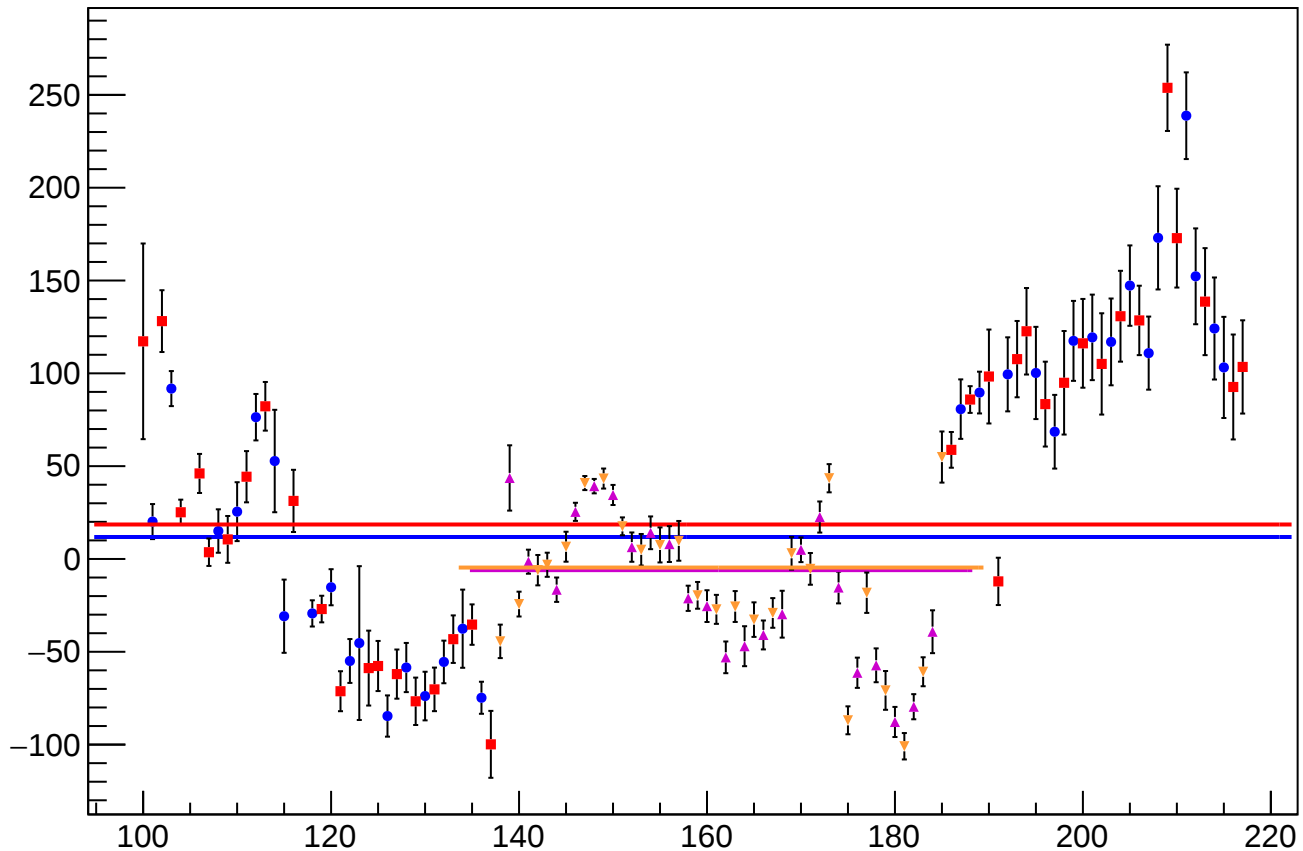
Left In: -393.113 $\pm$ 2.006 χ^2 /NDF: 2253.3/22

+ sign -424.655 $\pm$ 1.736 χ^2 /NDF: 5099.4/39

All: -433.787 $\pm$ 1.203 χ^2 /NDF: 14124.0/79

- sign -442.233 $\pm$ 1.669 χ^2 /NDF: 8971.3/39

reg_asym_atr2_diff_bpm4aY_slope vs Slug



Right In: 11.836+/-2.488 χ^2 /NDF: 891.7/31

Left Out: -4.624+/-1.462 χ^2 /NDF: 772.9/24

Right Out: 18.571+/-2.199 χ^2 /NDF: 913.0/35

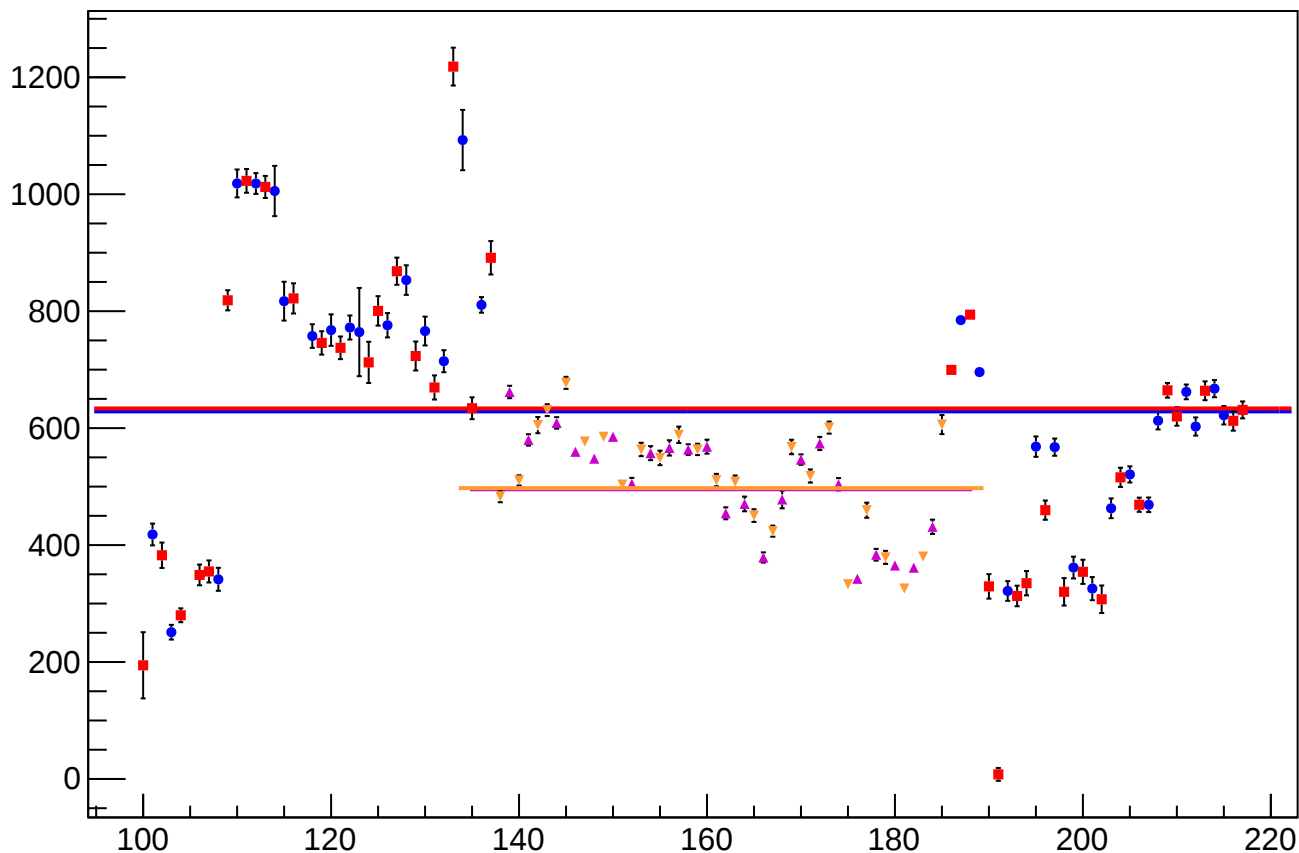
Left In: -6.019+/-1.516 χ^2 /NDF: 654.1/22

+ sign -0.397+/-1.261 χ^2 /NDF: 1697.2/56

All: 0.764+/-0.887 χ^2 /NDF: 3350.7/115

- sign 1.904+/-1.248 χ^2 /NDF: 1651.8/58

reg_asym_atr2_diff_bpm4eX_slope vs Slug



Right In: 628.637 $\pm$ 2.842 χ^2 /NDF: 4230.3/31

Left Out: 497.381 $\pm$ 1.966 χ^2 /NDF: 2614.6/24

Right Out: 633.649 $\pm$ 2.319 χ^2 /NDF: 9634.0/35

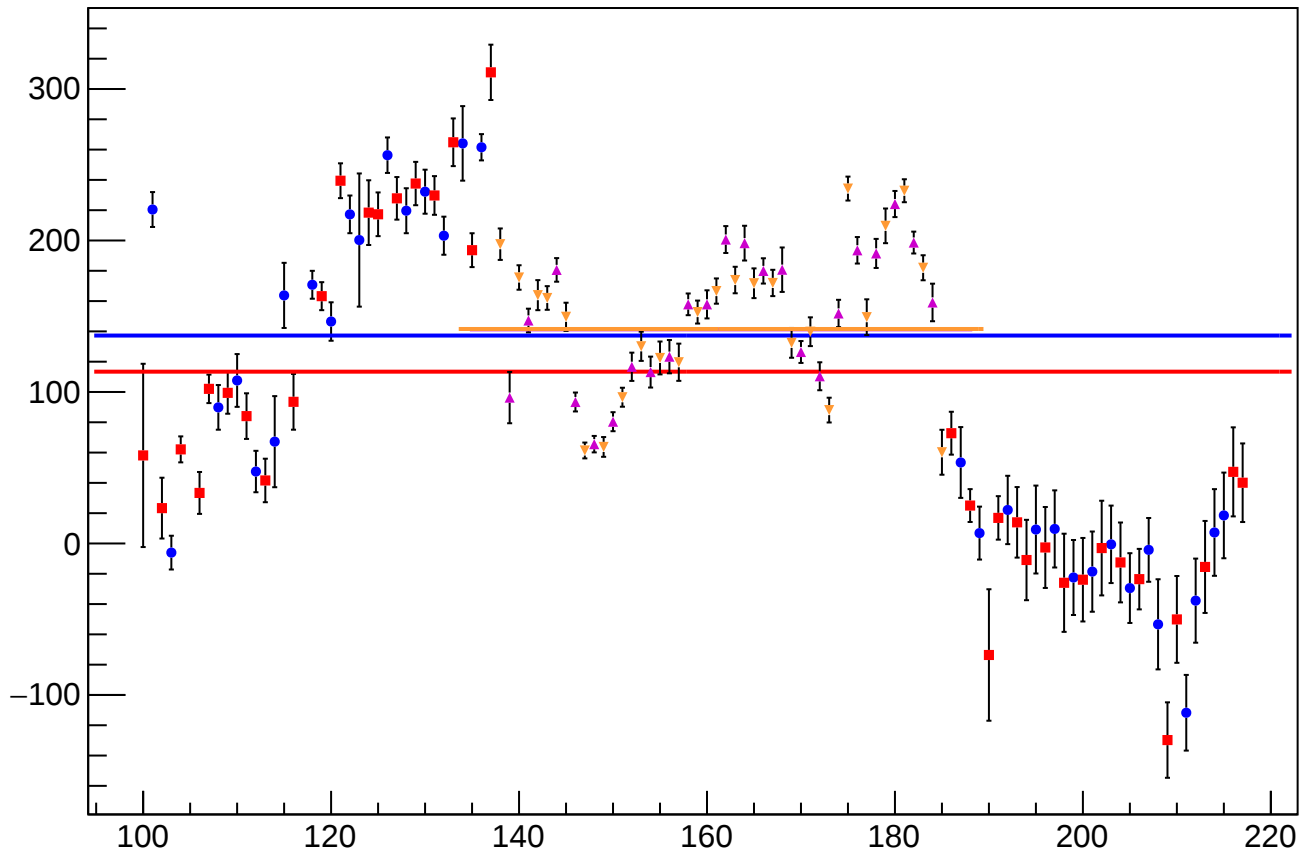
Left In: 495.454 $\pm$ 1.992 χ^2 /NDF: 2253.8/22

+ sign 539.864 $\pm$ 1.617 χ^2 /NDF: 8287.7/56

All: 547.484 $\pm$ 1.104 χ^2 /NDF: 22260.6/115

- sign 554.140 $\pm$ 1.511 χ^2 /NDF: 13931.3/58

reg_asym_atr2_diff_bpm4eY_slope vs Slug



Right In: 137.253 $\pm$ 2.887 χ^2 /NDF: 1334.9/31

Left Out: 141.588 $\pm$ 1.698 χ^2 /NDF: 959.6/24

Right Out: 113.412 $\pm$ 2.625 χ^2 /NDF: 1317.3/35

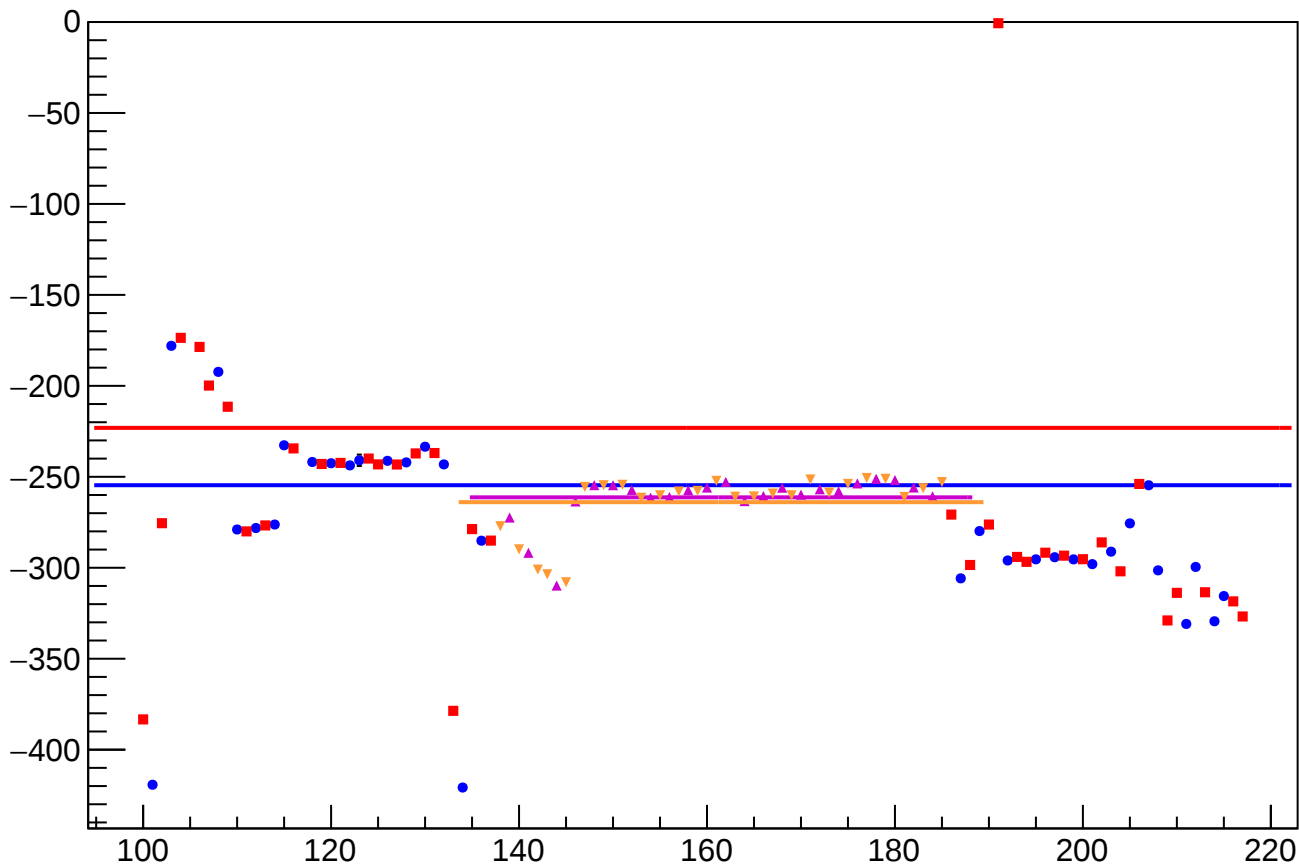
Left In: 141.360 $\pm$ 1.748 χ^2 /NDF: 741.2/22

+ sign 140.474 $\pm$ 1.464 χ^2 /NDF: 2296.2/56

All: 136.601 $\pm$ 1.032 χ^2 /NDF: 4447.1/115

- sign 132.775 $\pm$ 1.455 χ^2 /NDF: 2137.0/58

reg_asym_atr2_diff_bpm12X_slope vs Slug



Right In: -254.624 ± 0.134 χ^2/NDF : 206876.3/31

Left Out: -263.943 ± 0.081 χ^2/NDF : 39085.0/24

Right Out: -223.097 ± 0.121 χ^2/NDF : 518307.2/35

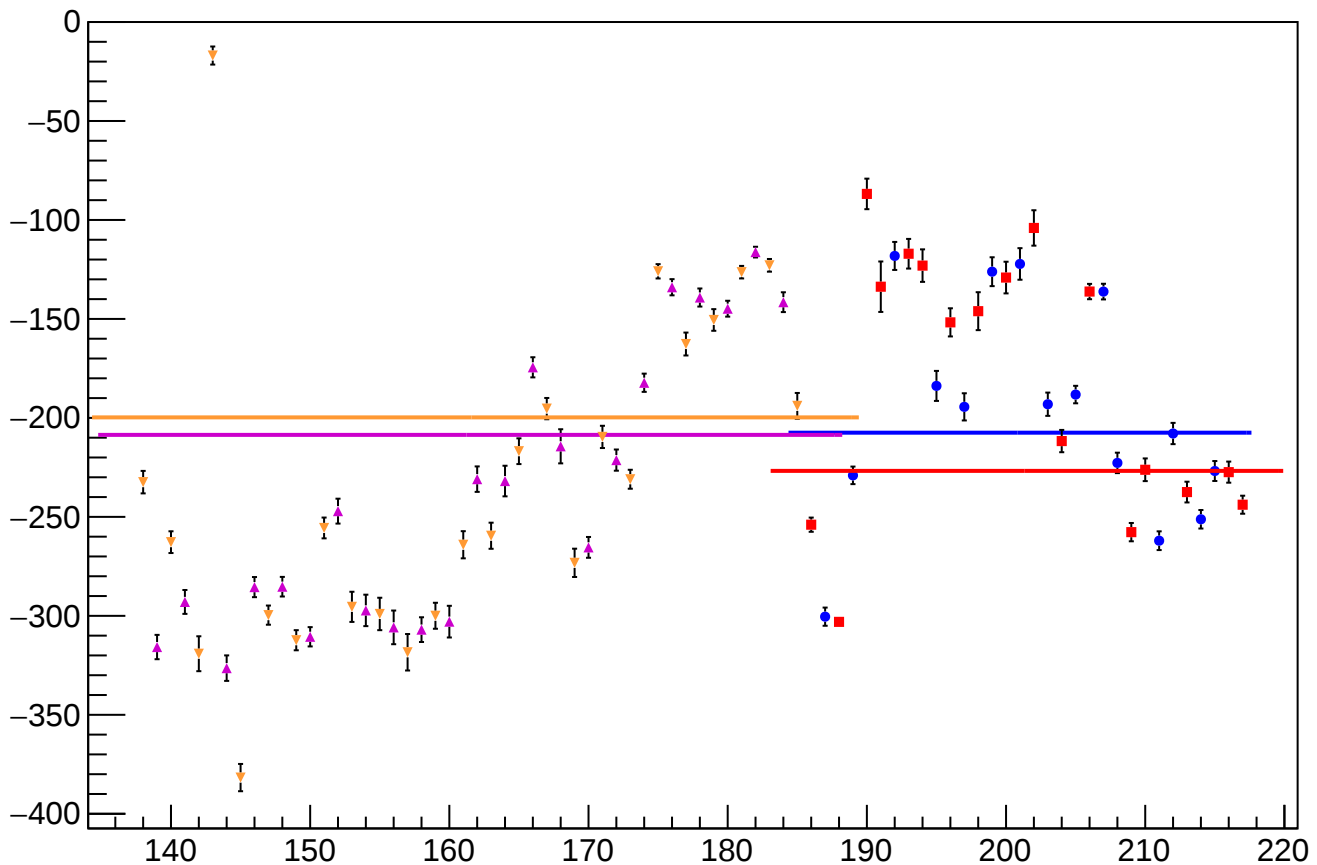
Left In: -261.286 ± 0.082 χ^2/NDF : 23348.4/22

+ sign -261.447 ± 0.070 χ^2/NDF : 249485.4/56

All: -255.194 ± 0.049 χ^2/NDF : 875385.6/115

- sign -249.242 ± 0.068 χ^2/NDF : 610108.1/58

reg_asym_atl_avg_diff_bpm1X_slope vs Slug



Right In: -207.467 ± 1.364 $\chi^2/\text{NDF}: 1438.1/14$

Left Out: -199.741 ± 1.061 $\chi^2/\text{NDF}: 6361.5/24$

Right Out: -226.764 ± 1.226 $\chi^2/\text{NDF}: 2985.7/16$

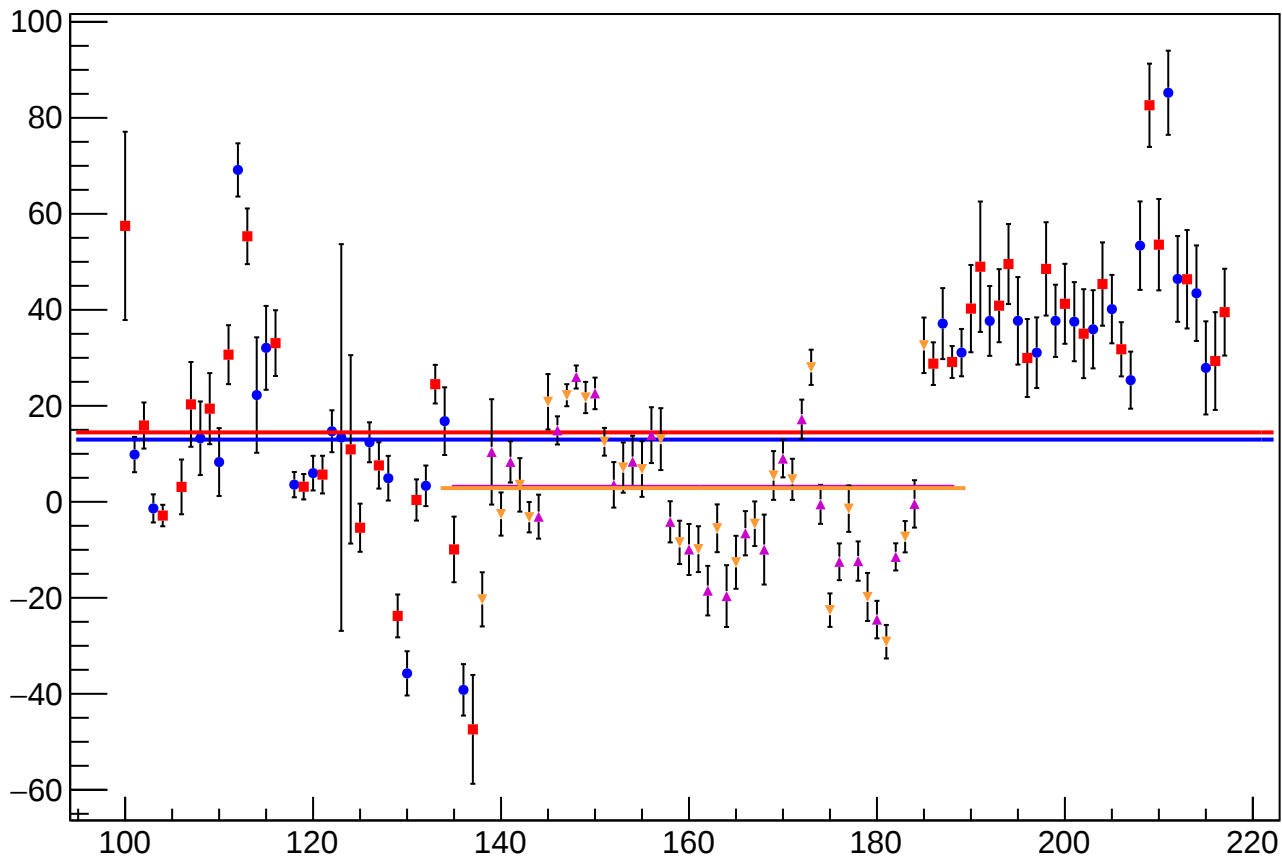
Left In: -208.579 ± 1.082 $\chi^2/\text{NDF}: 4805.1/22$

+ sign -202.654 ± 0.838 $\chi^2/\text{NDF}: 7819.6/39$

All: -209.819 ± 0.583 $\chi^2/\text{NDF}: 15876.0/79$

- sign -216.543 ± 0.811 $\chi^2/\text{NDF}: 7914.5/39$

reg_asym_atl_avg_diff_bpm4aY_slope vs Slug



Right In: 12.969 $\pm$ 0.963 χ^2 /NDF: 573.2/31

Left Out: 2.853 $\pm$ 0.820 χ^2 /NDF: 419.8/24

Right Out: 14.465 $\pm$ 0.907 χ^2 /NDF: 533.0/35

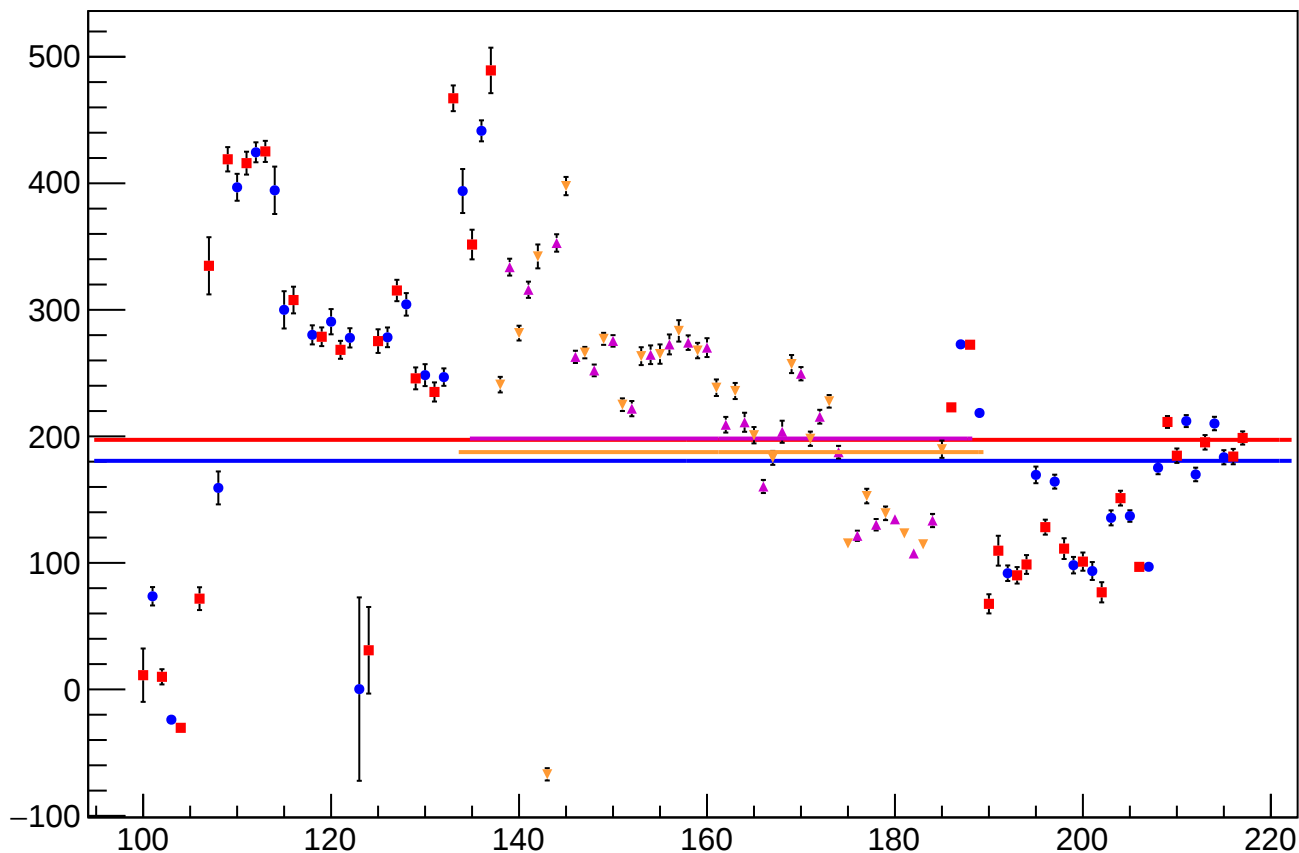
Left In: 3.136 $\pm$ 0.857 χ^2 /NDF: 319.8/22

+ sign 7.103 $\pm$ 0.624 χ^2 /NDF: 1057.0/56

All: 7.792 $\pm$ 0.441 χ^2 /NDF: 1994.8/115

- sign 8.478 $\pm$ 0.623 χ^2 /NDF: 935.3/58

reg_asym_atl_avg_diff_bpm4eX_slope vs Slug



Right In: 180.652 $\pm$ 1.083 χ^2 /NDF: 8770.1/31

Left Out: 187.565 $\pm$ 1.066 χ^2 /NDF: 7082.0/24

Right Out: 197.245 $\pm$ 0.961 χ^2 /NDF: 12149.8/35

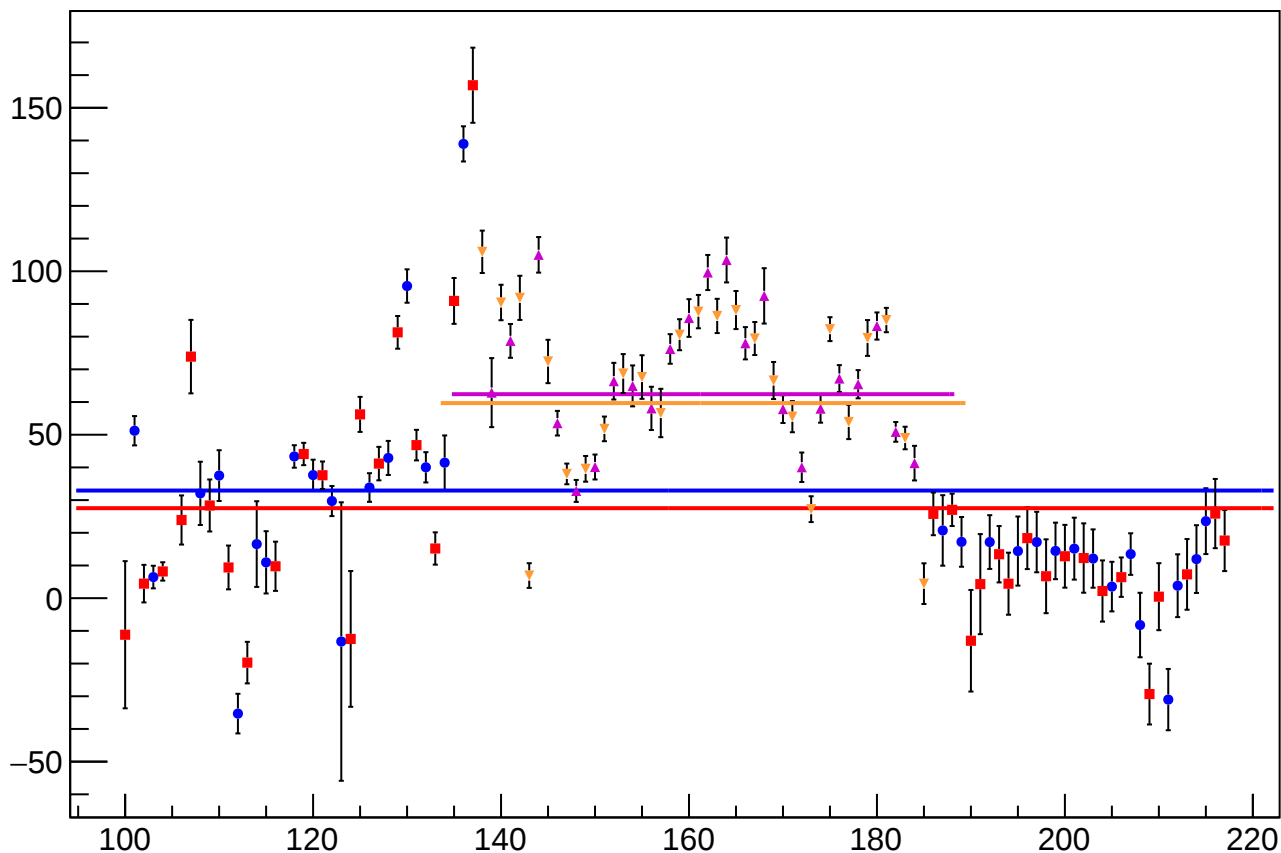
Left In: 198.269 $\pm$ 1.082 χ^2 /NDF: 4515.8/22

+ sign 184.164 $\pm$ 0.760 χ^2 /NDF: 15872.8/56

All: 191.310 $\pm$ 0.522 χ^2 /NDF: 32706.4/115

- sign 197.697 $\pm$ 0.718 χ^2 /NDF: 16666.0/58

reg_asym_atl_avg_diff_bpm4eY_slope vs Slug



Right In: 32.925 ± 1.120 $\chi^2/\text{NDF}: 897.1/31$

Left Out: 59.682 ± 0.941 $\chi^2/\text{NDF}: 757.6/24$

Right Out: 27.530 ± 1.077 $\chi^2/\text{NDF}: 663.3/35$

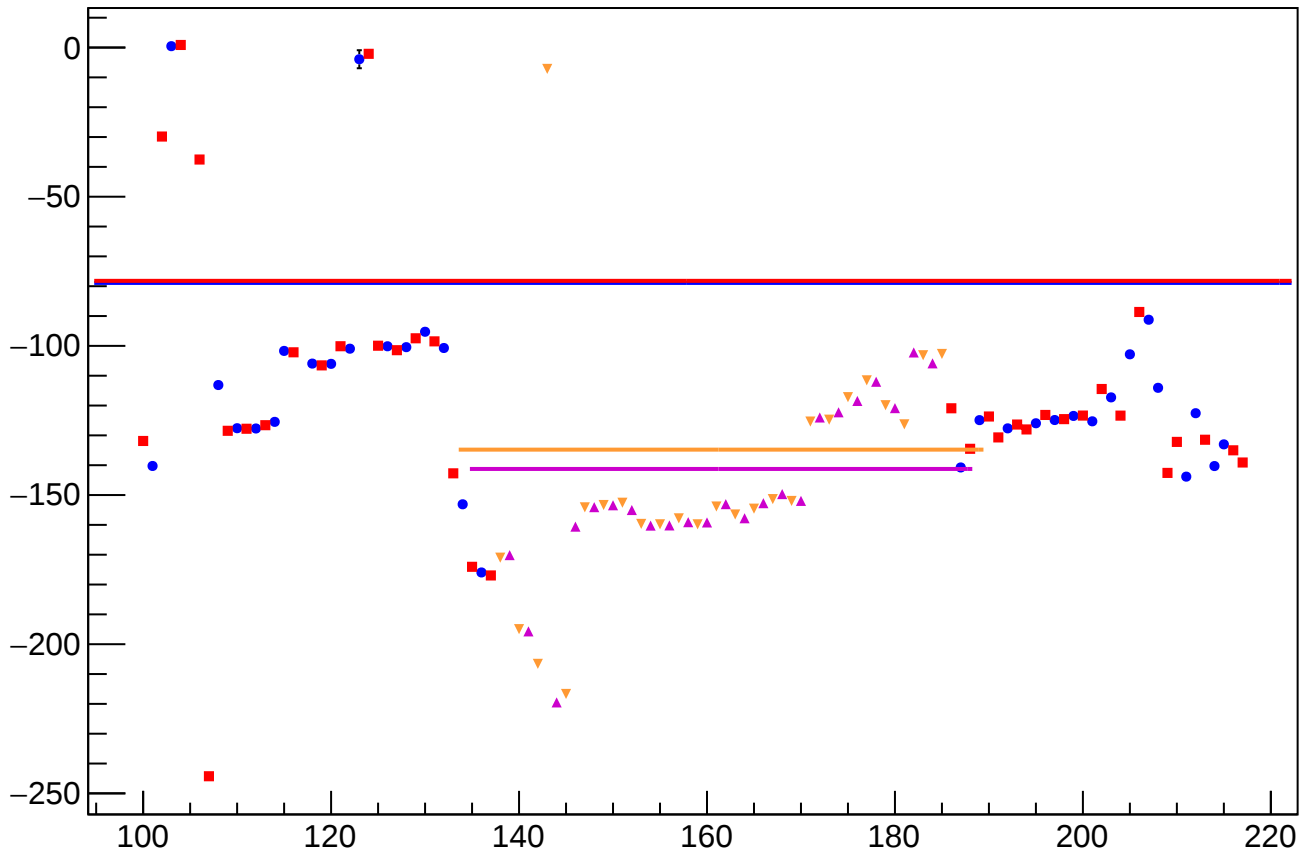
Left In: 62.400 ± 0.974 $\chi^2/\text{NDF}: 406.3/22$

+ sign 48.614 ± 0.720 $\chi^2/\text{NDF}: 1989.4/56$

All: 47.663 ± 0.510 $\chi^2/\text{NDF}: 3639.2/115$

- sign 46.706 ± 0.722 $\chi^2/\text{NDF}: 1646.3/58$

reg_asym_atl_avg_diff_bpm12X_slope vs Slug



Right In: -78.895 ± 0.050 $\chi^2/\text{NDF}: 1469439.8/31$

Left Out: -134.780 ± 0.045 $\chi^2/\text{NDF}: 804747.3/24$

+ sign -110.195 ± 0.033 $\chi^2/\text{NDF}: 2967905.6/56$

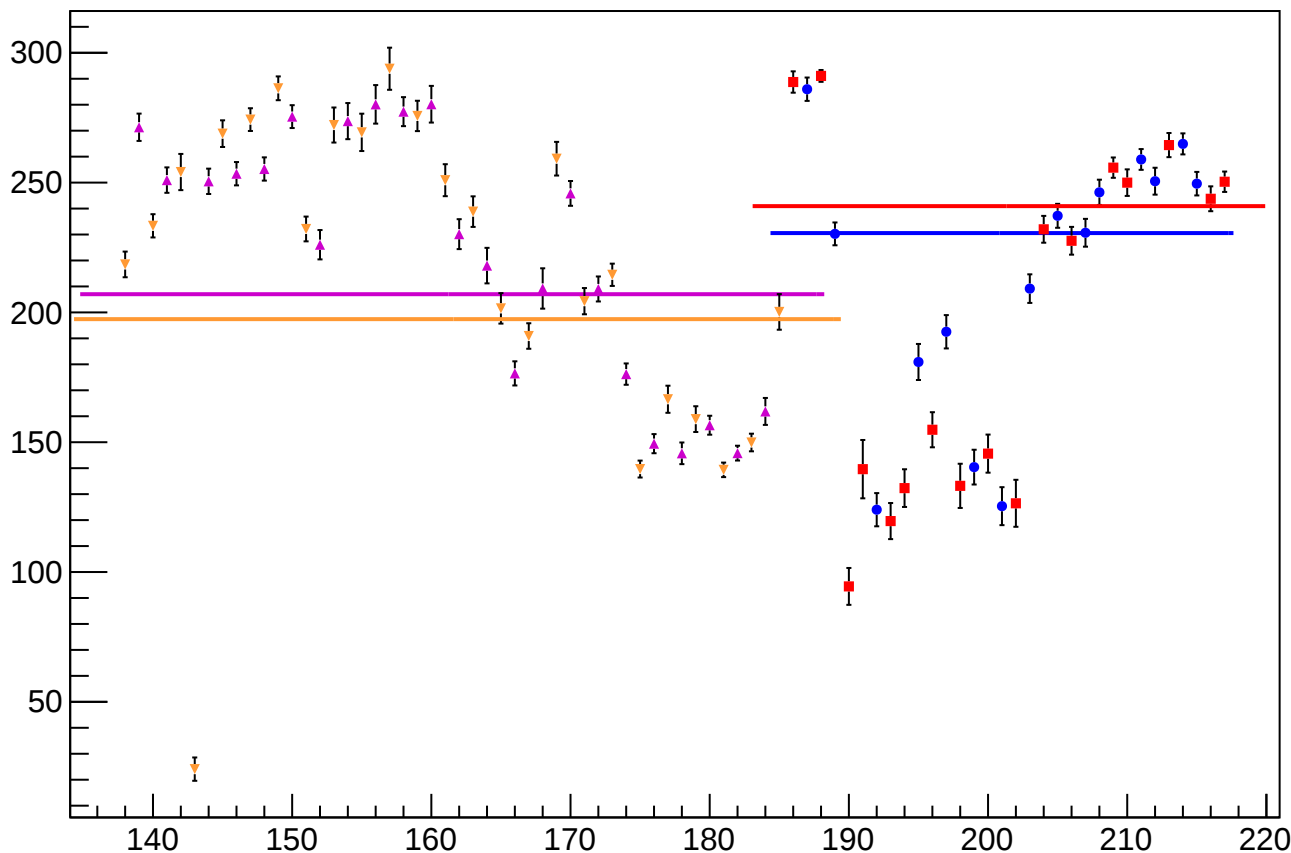
Right Out: -78.200 ± 0.049 $\chi^2/\text{NDF}: 1464441.1/35$

All: -111.100 ± 0.023 $\chi^2/\text{NDF}: 5680475.8/11$

Left In: -141.255 ± 0.045 $\chi^2/\text{NDF}: 347229.8/22$

- sign -111.996 ± 0.033 $\chi^2/\text{NDF}: 2711102.4/58$

reg_asym_atl_dd_diff_bpm1X_slope vs Slug



Right In: 230.557 $\pm$ 1.315 χ^2 /NDF: 1086.0/14

Left Out: 197.408 $\pm$ 0.963 χ^2 /NDF: 4384.2/24

Right Out: 240.936 $\pm$ 1.182 χ^2 /NDF: 2364.2/16

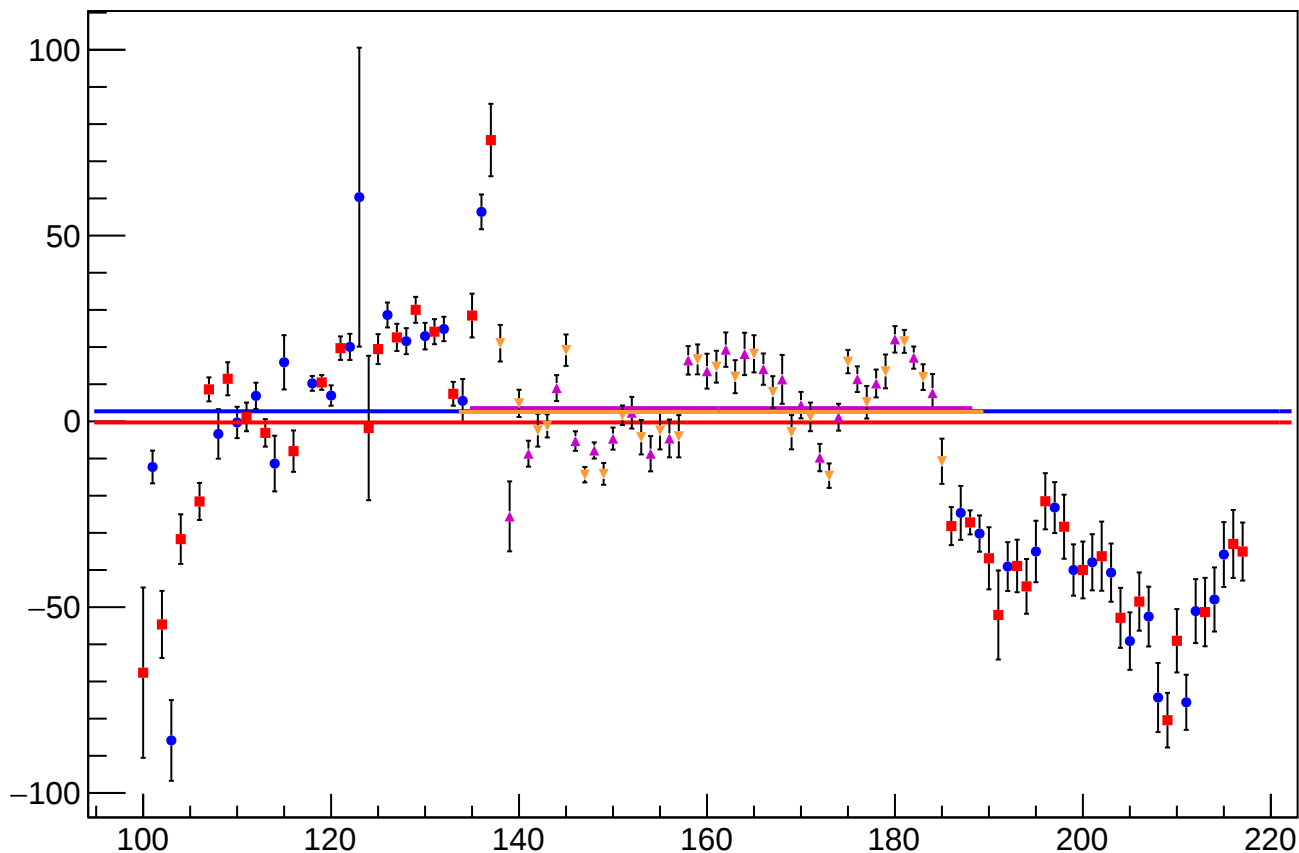
Left In: 207.014 $\pm$ 0.990 χ^2 /NDF: 2611.5/22

+ sign 208.976 $\pm$ 0.777 χ^2 /NDF: 5883.7/39

All: 215.132 $\pm$ 0.543 χ^2 /NDF: 11466.3/79

- sign 221.007 $\pm$ 0.759 χ^2 /NDF: 5459.8/39

reg_asym_atl_dd_diff_bpm4aY_slope vs Slug



Right In: 2.712 ± 0.841 χ^2/NDF : 1045.9/31

Left Out: 2.548 ± 0.741 χ^2/NDF : 275.4/24

Right Out: -0.283 ± 0.803 χ^2/NDF : 1025.9/35

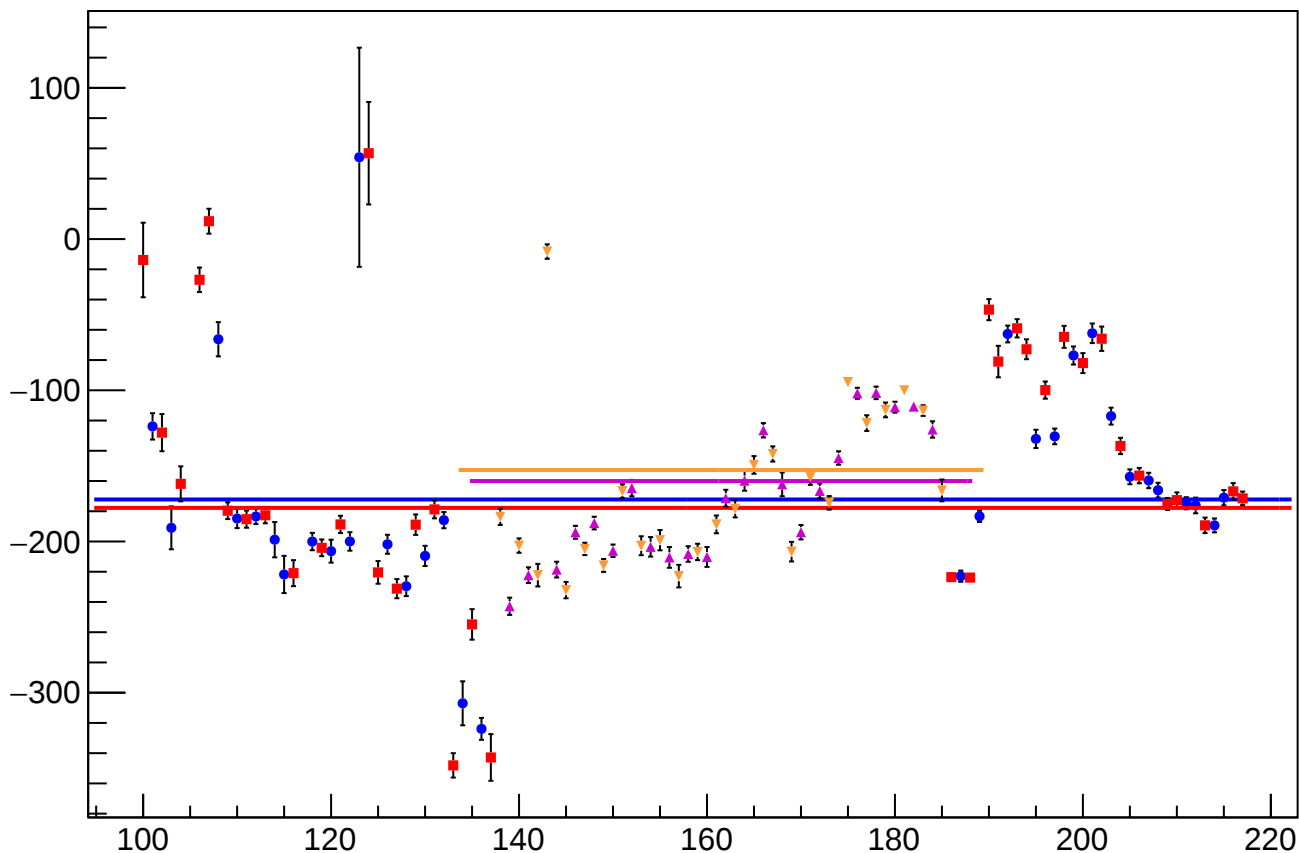
Left In: 3.559 ± 0.774 χ^2/NDF : 192.0/22

+ sign 2.619 ± 0.556 χ^2/NDF : 1321.4/56

All: 2.165 ± 0.394 χ^2/NDF : 2552.5/115

- sign 1.708 ± 0.557 χ^2/NDF : 1229.7/58

reg_asym_atl_dd_diff_bpm4eX_slope vs Slug



Right In: -172.210 ± 1.030 $\chi^2/\text{NDF}: 2248.3/31$

Left Out: -152.738 ± 0.967 $\chi^2/\text{NDF}: 3077.8/24$

Right Out: -177.763 ± 0.913 $\chi^2/\text{NDF}: 4591.1/35$

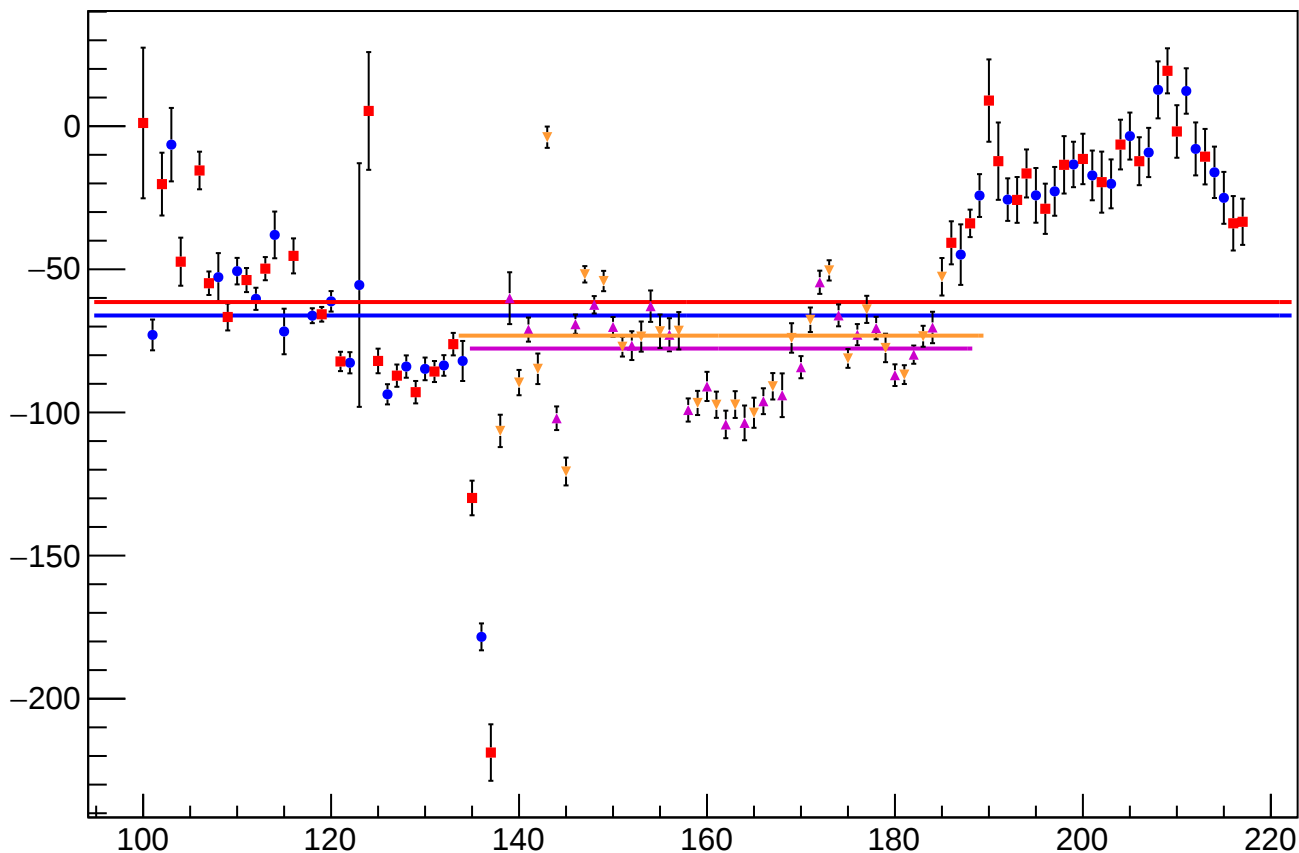
Left In: -160.021 ± 0.989 $\chi^2/\text{NDF}: 2024.4/22$

+ sign -161.859 ± 0.705 $\chi^2/\text{NDF}: 5516.0/56$

All: -165.918 ± 0.486 $\chi^2/\text{NDF}: 12368.4/115$

- sign -169.593 ± 0.671 $\chi^2/\text{NDF}: 6789.3/58$

reg_asym_atl_dd_diff_bpm4eY_slope vs Slug



Right In: -66.132 $\pm$ 0.974 χ^2/NDF : 1345.4/31

Left Out: -73.165 $\pm$ 0.851 χ^2/NDF : 788.6/24

Right Out: -61.434 $\pm$ 0.937 χ^2/NDF : 1196.7/35

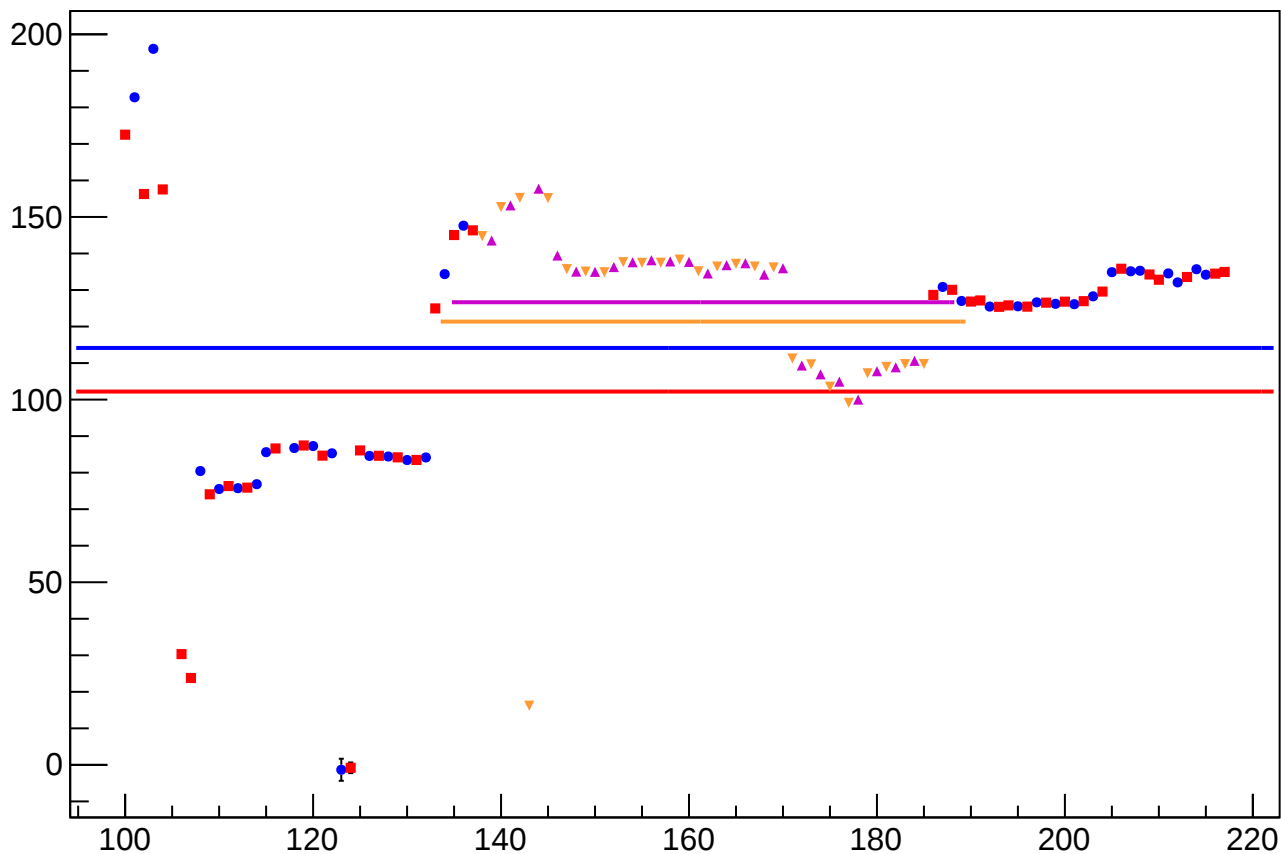
Left In: -77.678 $\pm$ 0.883 χ^2/NDF : 248.3/22

+ sign -70.119 $\pm$ 0.641 χ^2/NDF : 2163.6/56

All: -70.079 $\pm$ 0.454 χ^2/NDF : 3767.8/115

- sign -70.039 $\pm$ 0.643 χ^2/NDF : 1604.2/58

reg_asym_atl_dd_diff_bpm12X_slope vs Slug



Right In: 114.139 ± 0.054 χ^2/NDF : 328174.8/31

Left Out: 121.356 ± 0.040 χ^2/NDF : 481977.3/24

Right Out: 102.203 ± 0.050 χ^2/NDF : 607974.2/35

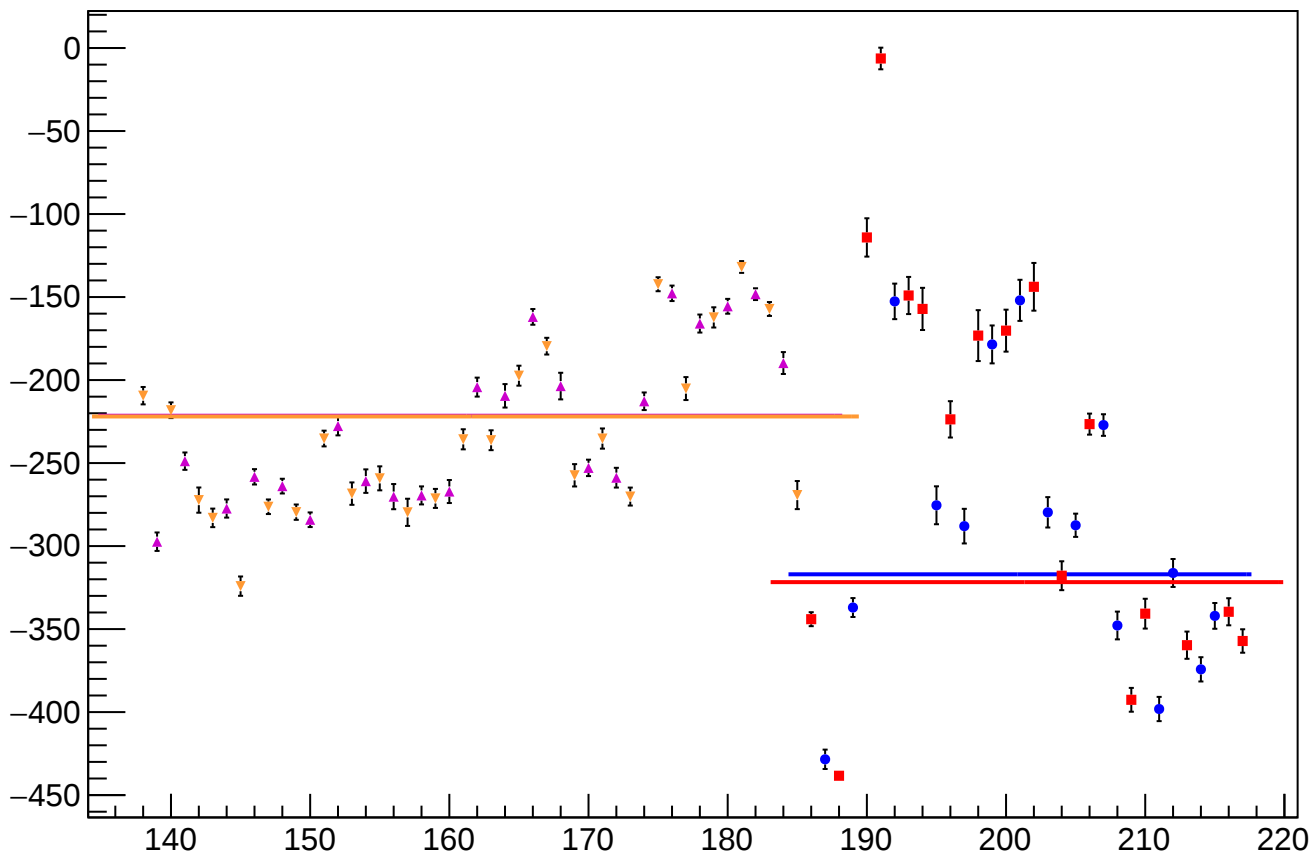
Left In: 126.653 ± 0.041 χ^2/NDF : 163046.1/22

+ sign 118.782 ± 0.032 χ^2/NDF : 821584.4/56

All: 117.736 ± 0.023 χ^2/NDF : 1738426.3/115

- sign 116.732 ± 0.032 χ^2/NDF : 914788.4/58

reg_asym_atr_avg_diff_bpm1X_slope vs Slug



Right In: -317.003 ± 2.048 $\chi^2/\text{NDF}: 1393.3/14$

Left Out: -221.934 ± 1.084 $\chi^2/\text{NDF}: 2578.4/24$

Right Out: -321.717 ± 1.681 $\chi^2/\text{NDF}: 5424.7/16$

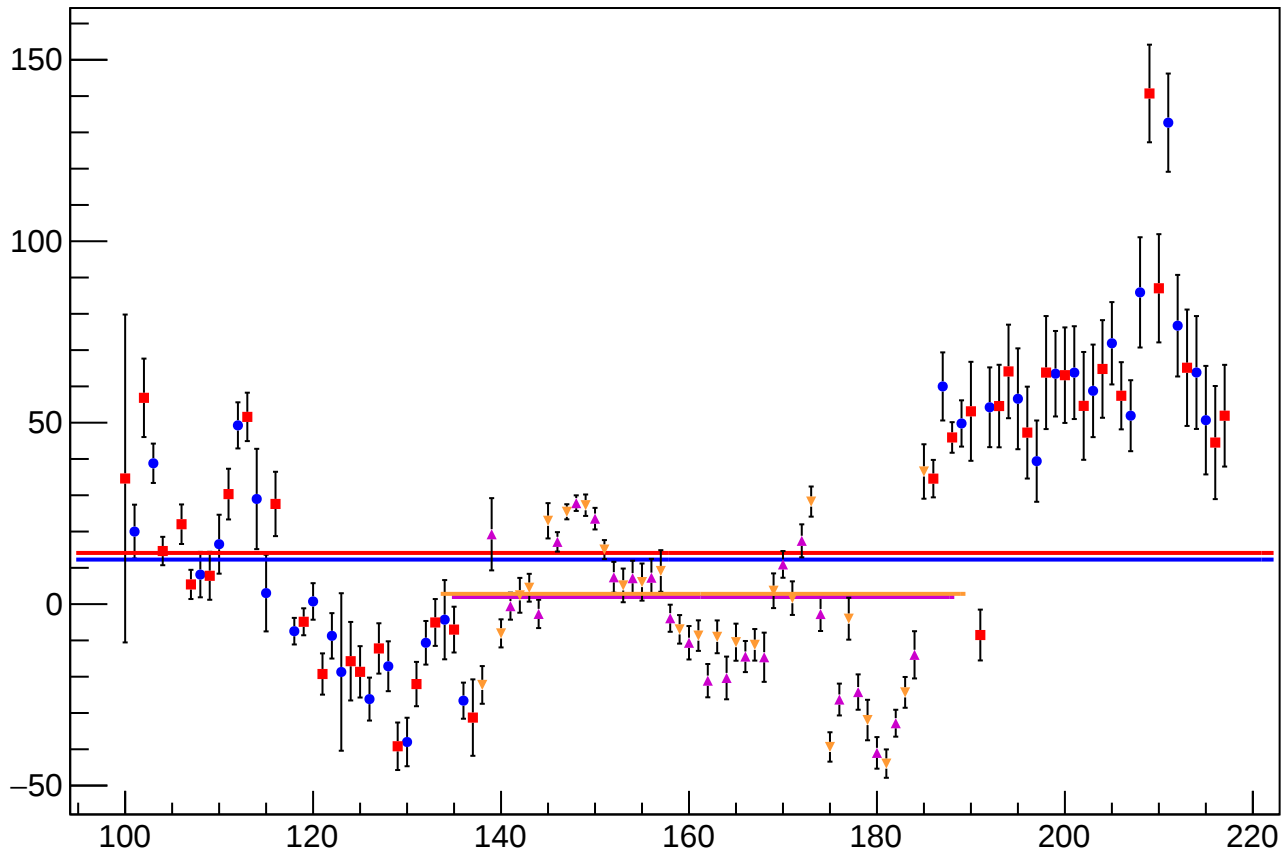
Left In: -221.483 ± 1.102 $\chi^2/\text{NDF}: 2149.8/22$

+ sign -242.757 ± 0.958 $\chi^2/\text{NDF}: 5655.0/39$

All: -247.358 ± 0.664 $\chi^2/\text{NDF}: 15759.8/79$

- sign -251.615 ± 0.922 $\chi^2/\text{NDF}: 10060.5/39$

reg_asym_atr_avg_diff_bpm4aY_slope vs Slug



Right In: 12.273 $\pm$ 1.360 χ^2 /NDF: 629.3/31

Left Out: 2.832 $\pm$ 0.807 χ^2 /NDF: 686.9/24

Right Out: 14.104 $\pm$ 1.192 χ^2 /NDF: 633.8/35

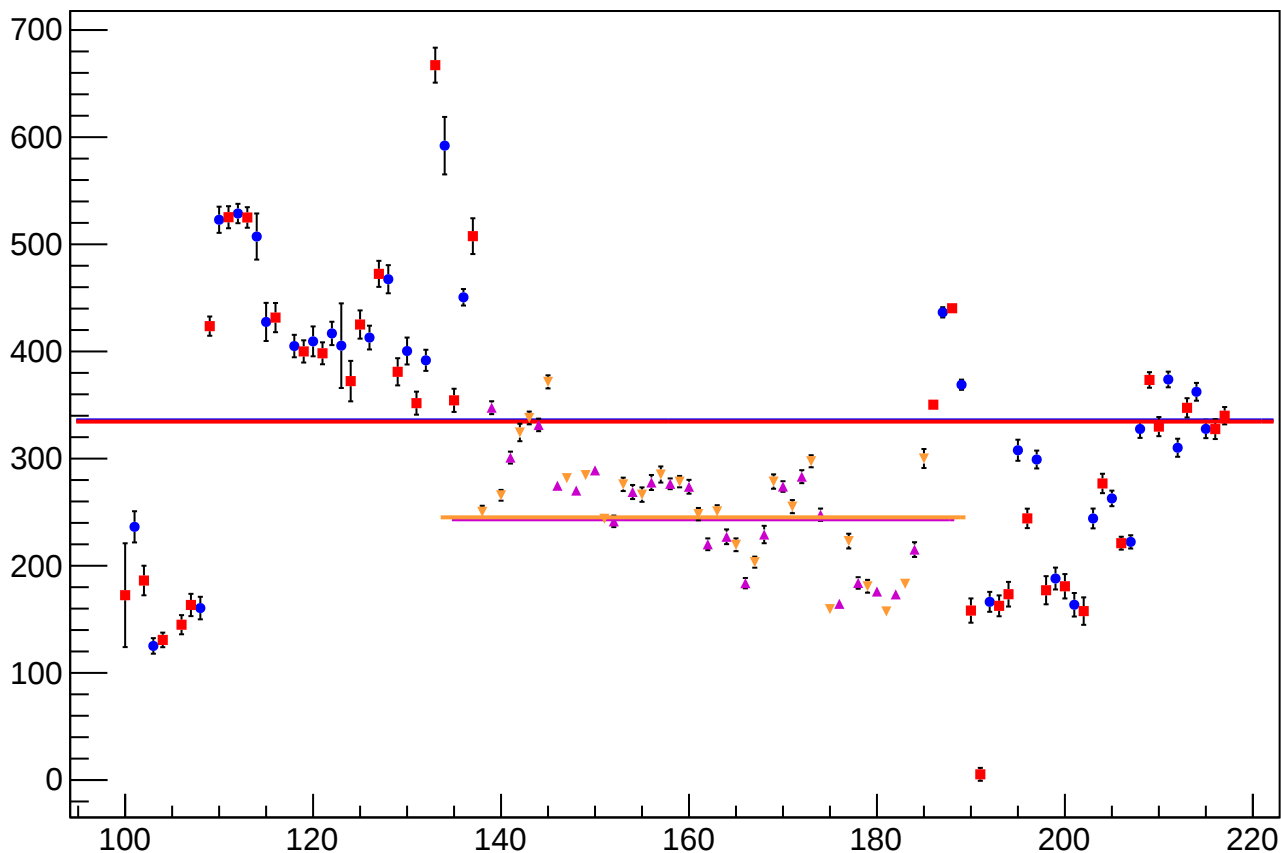
Left In: 1.969 $\pm$ 0.835 χ^2 /NDF: 589.1/22

+ sign 5.291 $\pm$ 0.694 χ^2 /NDF: 1351.9/56

All: 5.631 $\pm$ 0.487 χ^2 /NDF: 2644.8/115

- sign 5.961 $\pm$ 0.684 χ^2 /NDF: 1292.4/58

reg_asym_atr_avg_diff_bpm4eX_slope vs Slug



Right In: 335.686 $\pm$ 1.575 χ^2 /NDF: 4485.5/31

Left Out: 245.179 $\pm$ 1.082 χ^2 /NDF:2597.4/24

Right Out: 334.543 $\pm$ 1.286 χ^2 /NDF: 10100.6/35

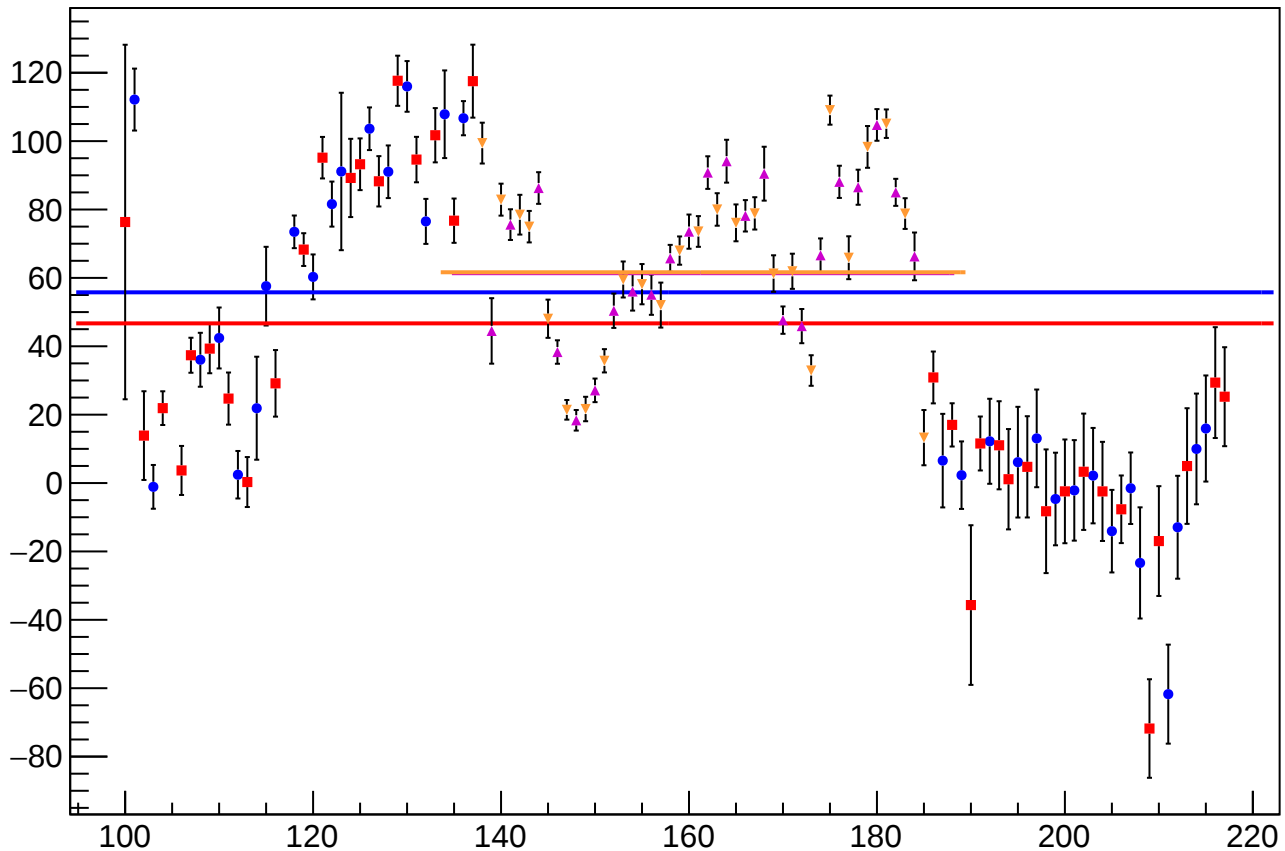
Left In: 243.366 $\pm$ 1.094 χ^2 /NDF:2236.7/22

+ sign 274.192 $\pm$ 0.892 χ^2 /NDF: 9325.7/56

All: 278.160 $\pm$ 0.609 χ^2 /NDF: 24616.4/115

- sign 281.623 $\pm$ 0.833 χ^2 /NDF: 15253.7/58

reg_asym_atr_avg_diff_bpm4eY_slope vs Slug



Right In: 55.780 ± 1.576 $\chi^2/\text{NDF}: 809.9/31$

Left Out: 61.647 ± 0.936 $\chi^2/\text{NDF}: 871.5/24$

Right Out: 46.700 ± 1.419 $\chi^2/\text{NDF}: 795.7/35$

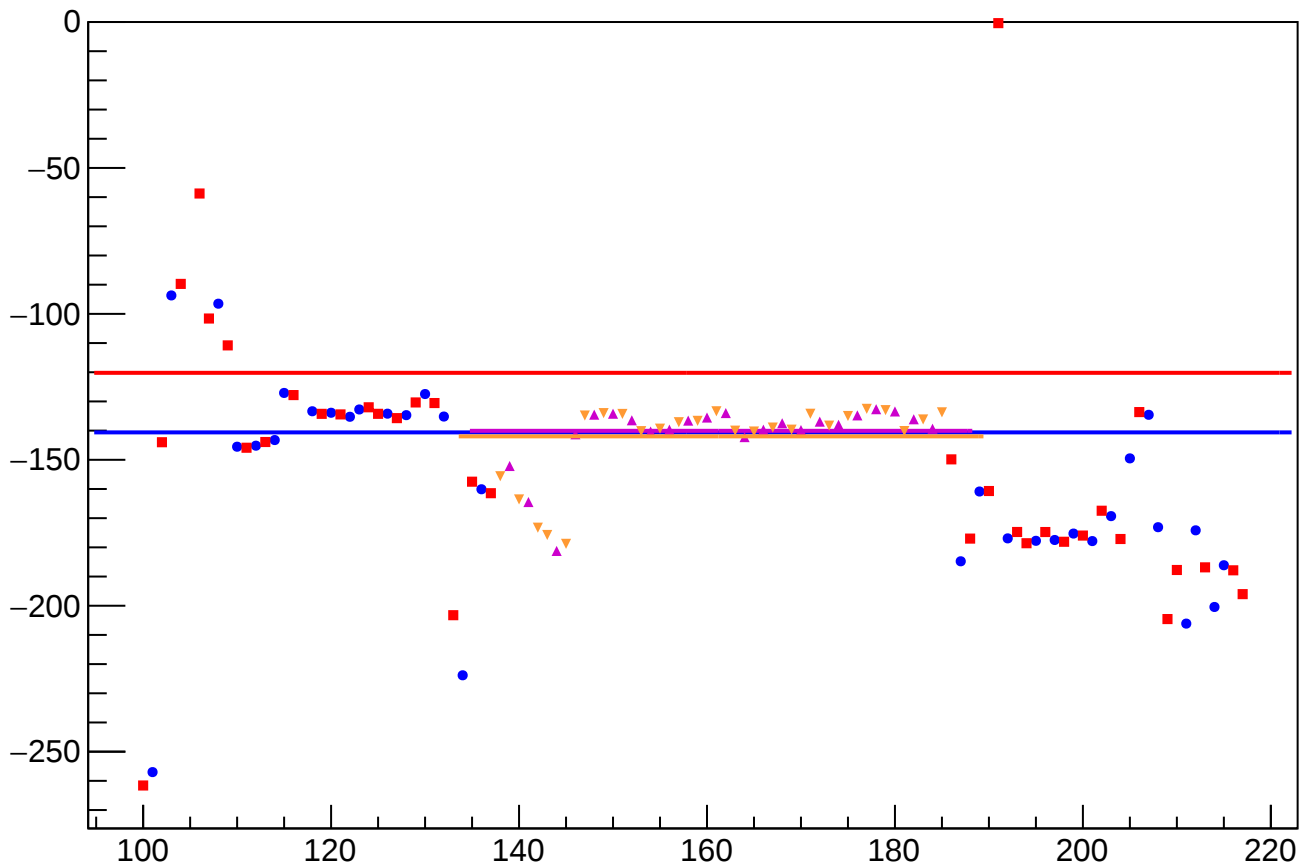
Left In: 61.375 ± 0.961 $\chi^2/\text{NDF}: 699.7/22$

+ sign 60.116 ± 0.805 $\chi^2/\text{NDF}: 1691.7/56$

All: 58.418 ± 0.566 $\chi^2/\text{NDF}: 3269.2/115$

- sign 56.758 ± 0.796 $\chi^2/\text{NDF}: 1568.7/58$

reg_asym_atr_avg_diff_bpm12X_slope vs Slug



Right In: -140.606 ± 0.075 χ^2/NDF : 256192.8/31

Left Out: -141.969 ± 0.045 χ^2/NDF : 80252.6/24

Right Out: -120.198 ± 0.066 χ^2/NDF : 653871.2/35

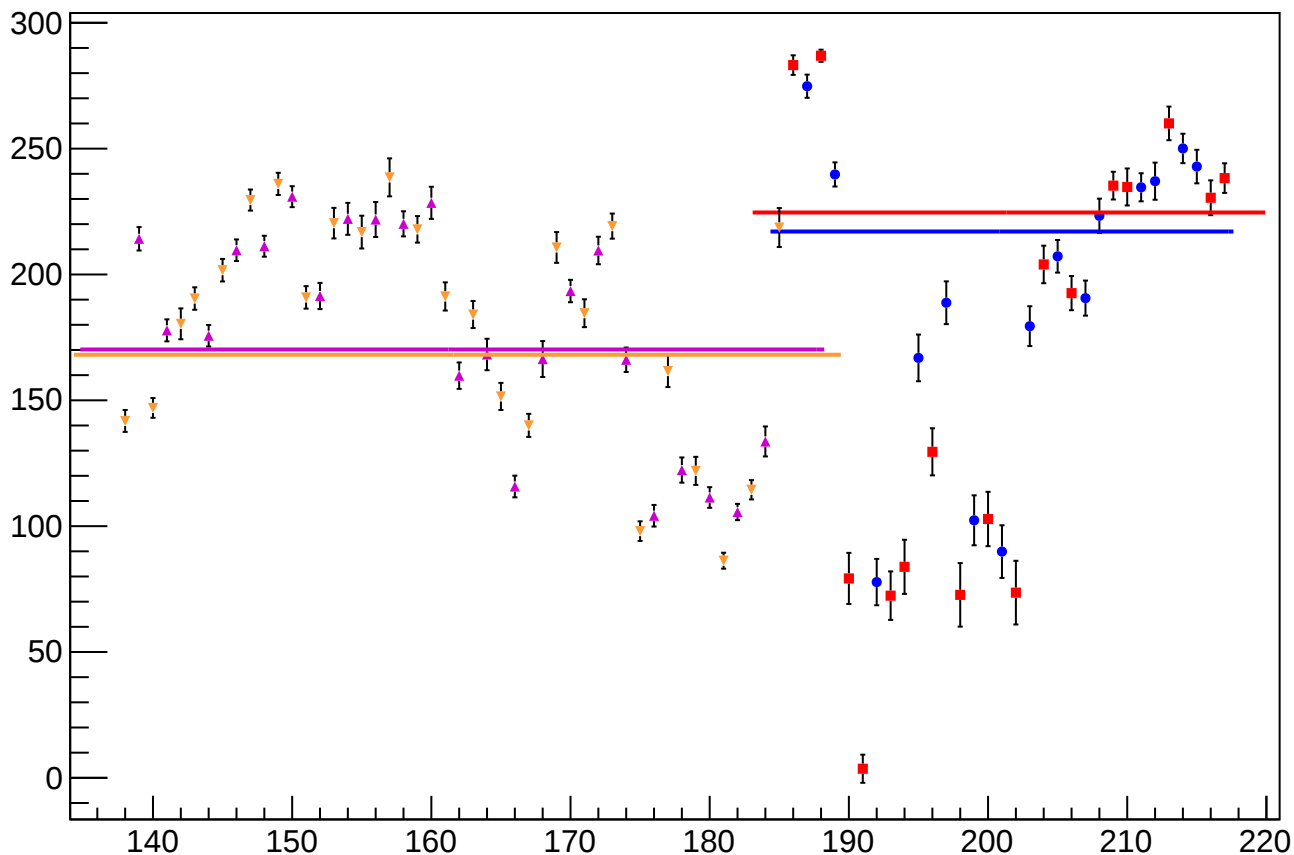
Left In: -140.068 ± 0.045 χ^2/NDF : 48030.7/22

+ sign -141.609 ± 0.038 χ^2/NDF : 336691.1/56

All: -137.588 ± 0.027 χ^2/NDF : 1121510.1/111

- sign -133.796 ± 0.037 χ^2/NDF : 763442.0/58

reg_asym_atr_dd_diff_bpm1X_slope vs Slug



Right In: 217.070 $\pm$ 1.737 χ^2 /NDF: 834.9/14

Left Out: 168.106 $\pm$ 0.970 χ^2 /NDF:2468.8/24

Right Out: 224.629 $\pm$ 1.421 χ^2 /NDF: 3675.1/16

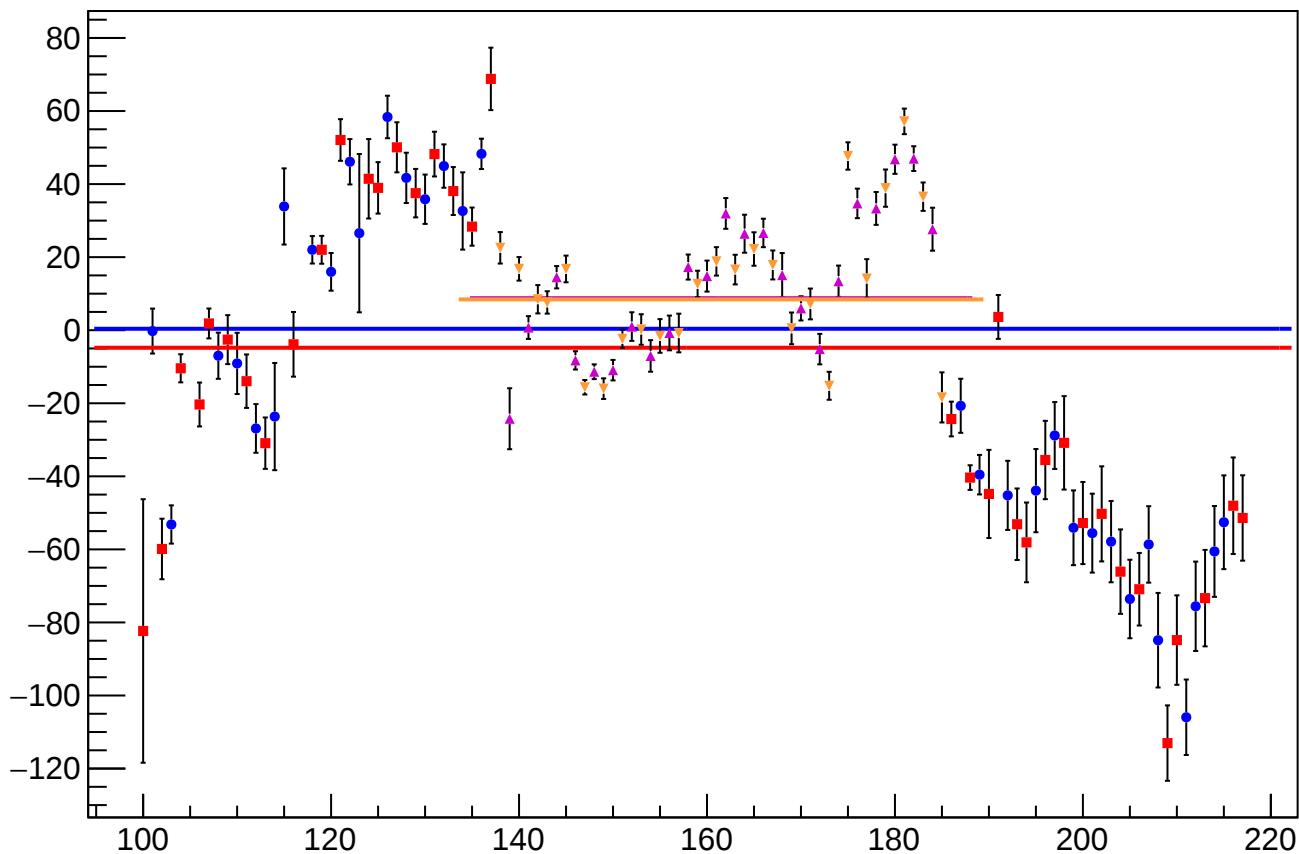
Left In: 170.198 $\pm$ 0.995 χ^2 /NDF:2024.5/22

+ sign 179.751 $\pm$ 0.847 χ^2 /NDF: 3909.4/39

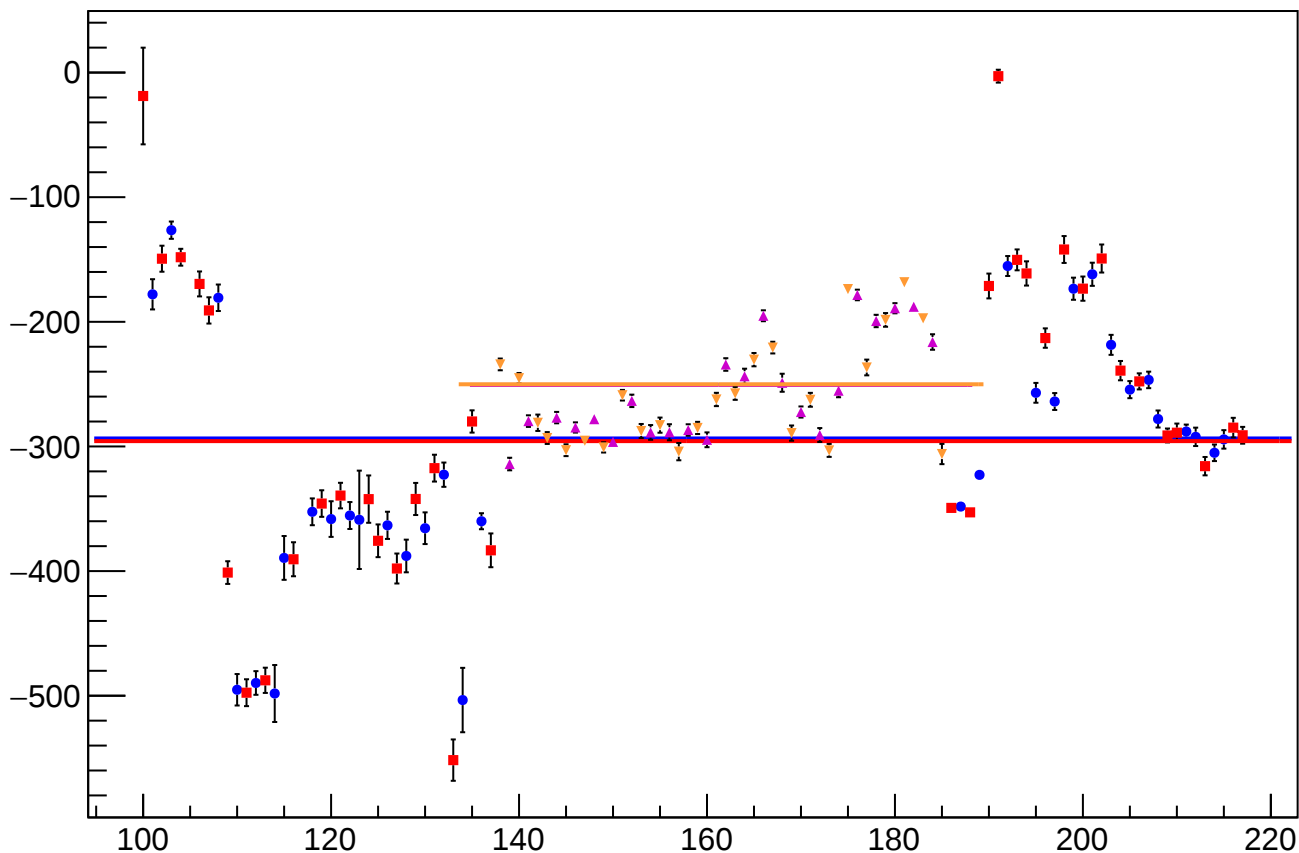
All: 184.097 $\pm$ 0.587 χ^2 /NDF: 10644.4/79

- sign 188.122 $\pm$ 0.815 χ^2 /NDF: 6684.3/39

reg_asym_atr_dd_diff_bpm4aY_slope vs Slug



reg_asym_atr_dd_diff_bpm4eX_slope vs Slug



Right In: -293.588 ± 1.385 χ^2/NDF : 3135.1/31

Left Out: -250.119 ± 0.972 χ^2/NDF : 2246.9/24

Right Out: -295.721 ± 1.124 χ^2/NDF : 8121.2/35

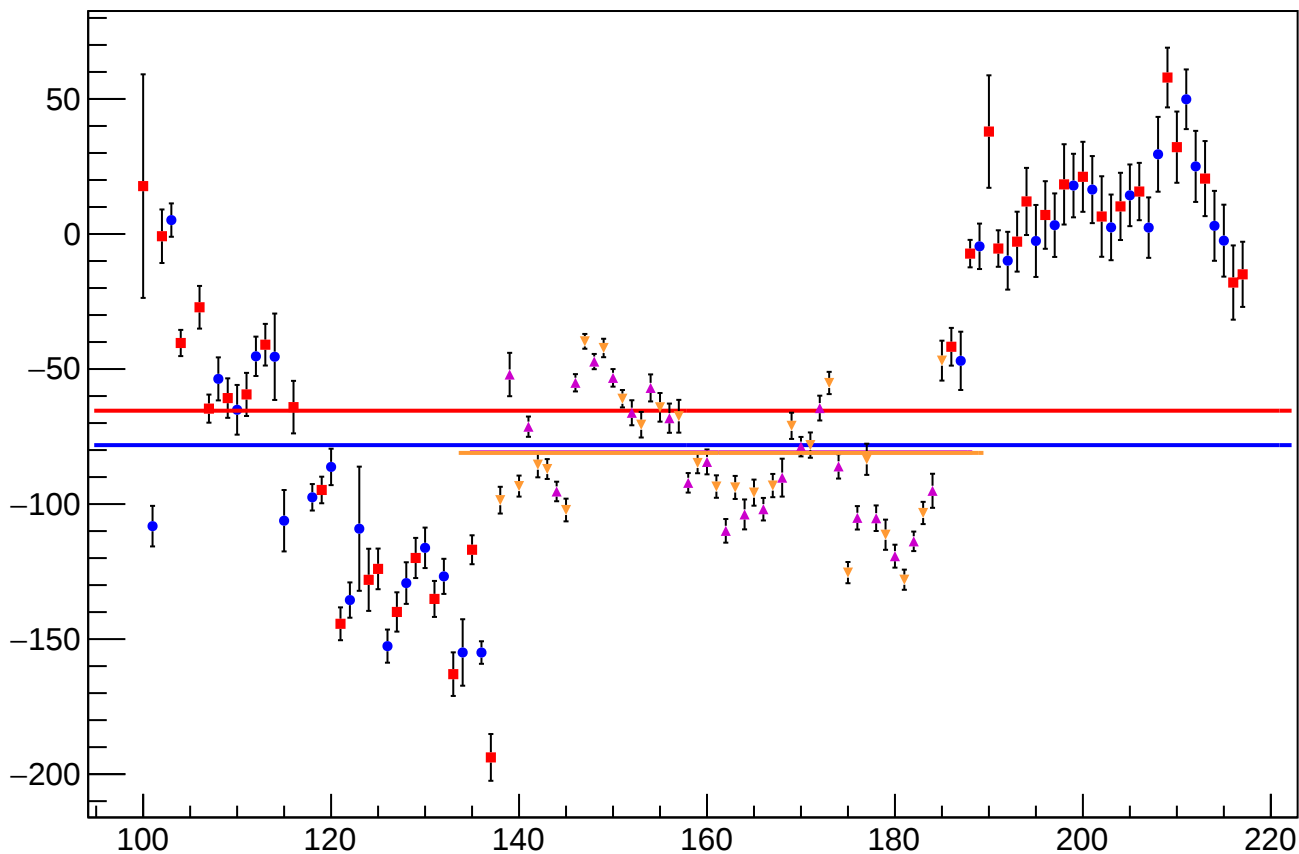
Left In: -250.628 ± 0.990 χ^2/NDF : 1937.1/22

+ sign -264.476 ± 0.796 χ^2/NDF : 6042.2/56

All: -267.610 ± 0.543 χ^2/NDF : 17035.9/115

- sign -270.342 ± 0.743 χ^2/NDF : 10964.7/58

reg_asym_atr_dd_diff_bpm4eY_slope vs Slug



Right In: -78.176 ± 1.489 $\chi^2/\text{NDF}: 1806.0/31$

Left Out: -81.057 ± 0.843 $\chi^2/\text{NDF}: 913.0/24$

Right Out: -65.427 ± 1.348 $\chi^2/\text{NDF}: 1920.0/35$

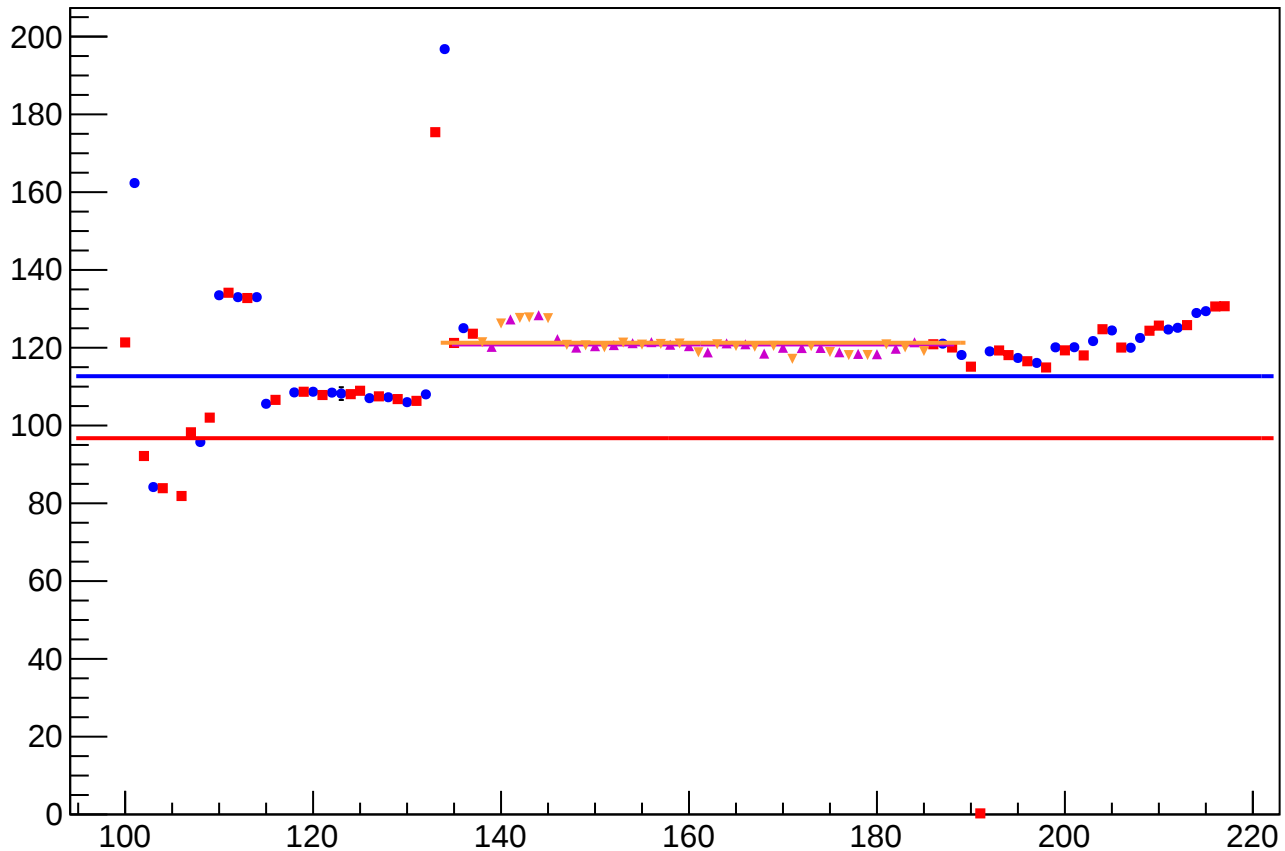
Left In: -80.834 ± 0.872 $\chi^2/\text{NDF}: 693.1/22$

+ sign -80.358 ± 0.734 $\chi^2/\text{NDF}: 2721.9/56$

All: -78.319 ± 0.518 $\chi^2/\text{NDF}: 5442.6/115$

- sign -76.289 ± 0.732 $\chi^2/\text{NDF}: 2705.3/58$

reg_asym_atr_dd_diff_bpm12X_slope vs Slug



Right In: 112.681 $\pm$ 0.069 χ^2 /NDF: 81126.4/31

Left Out: 121.283 $\pm$ 0.040 χ^2 /NDF: 4939.3/24

Right Out: 96.741 $\pm$ 0.061 χ^2 /NDF: 375011.4/35

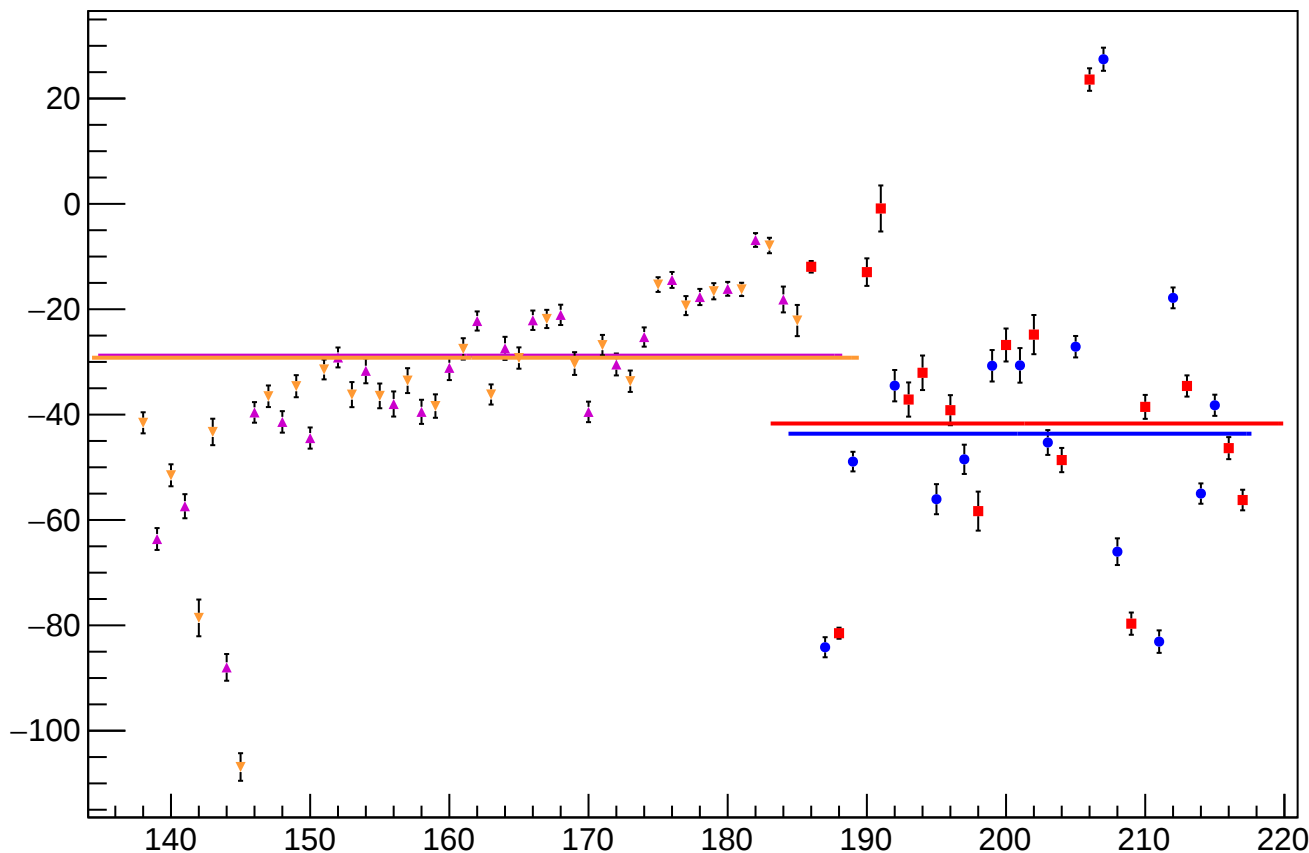
Left In: 120.843 $\pm$ 0.041 χ^2 /NDF: 3368.2/22

+ sign 119.101 $\pm$ 0.035 χ^2 /NDF: 97738.6/56

All: 116.199 $\pm$ 0.024 χ^2 /NDF: 597777.7/115

- sign 113.427 $\pm$ 0.034 χ^2 /NDF: 486320.3/58

reg_asym_at1_avg_diff_bpm1X_slope vs Slug



Right In: -43.624 ± 0.586 $\chi^2/\text{NDF}: 2271.1/14$

Left Out: -29.199 ± 0.389 $\chi^2/\text{NDF}: 1881.5/24$

Right Out: -41.689 ± 0.497 $\chi^2/\text{NDF}: 3795.9/16$

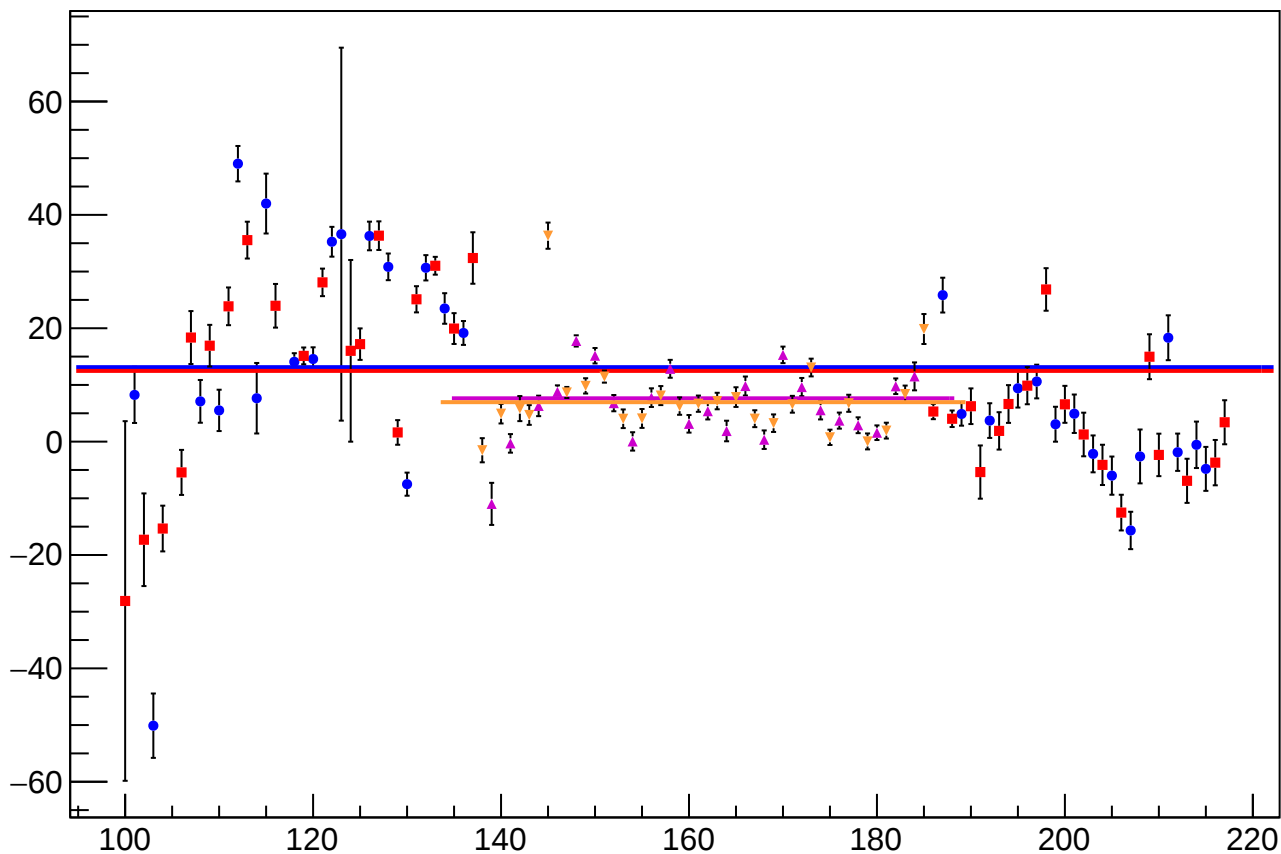
Left In: -28.810 ± 0.395 $\chi^2/\text{NDF}: 1763.8/22$

+ sign -33.602 ± 0.324 $\chi^2/\text{NDF}: 4573.3/39$

All: -33.709 ± 0.224 $\chi^2/\text{NDF}: 10545.0/79$

- sign -33.807 ± 0.309 $\chi^2/\text{NDF}: 5971.5/39$

reg_asym_at1_avg_diff_bpm4aY_slope vs Slug



Right In: 13.136 ± 0.514 $\chi^2/\text{NDF}: 952.5/31$

Left Out: 6.960 ± 0.303 $\chi^2/\text{NDF}: 321.3/24$

Right Out: 12.477 ± 0.466 $\chi^2/\text{NDF}: 782.9/35$

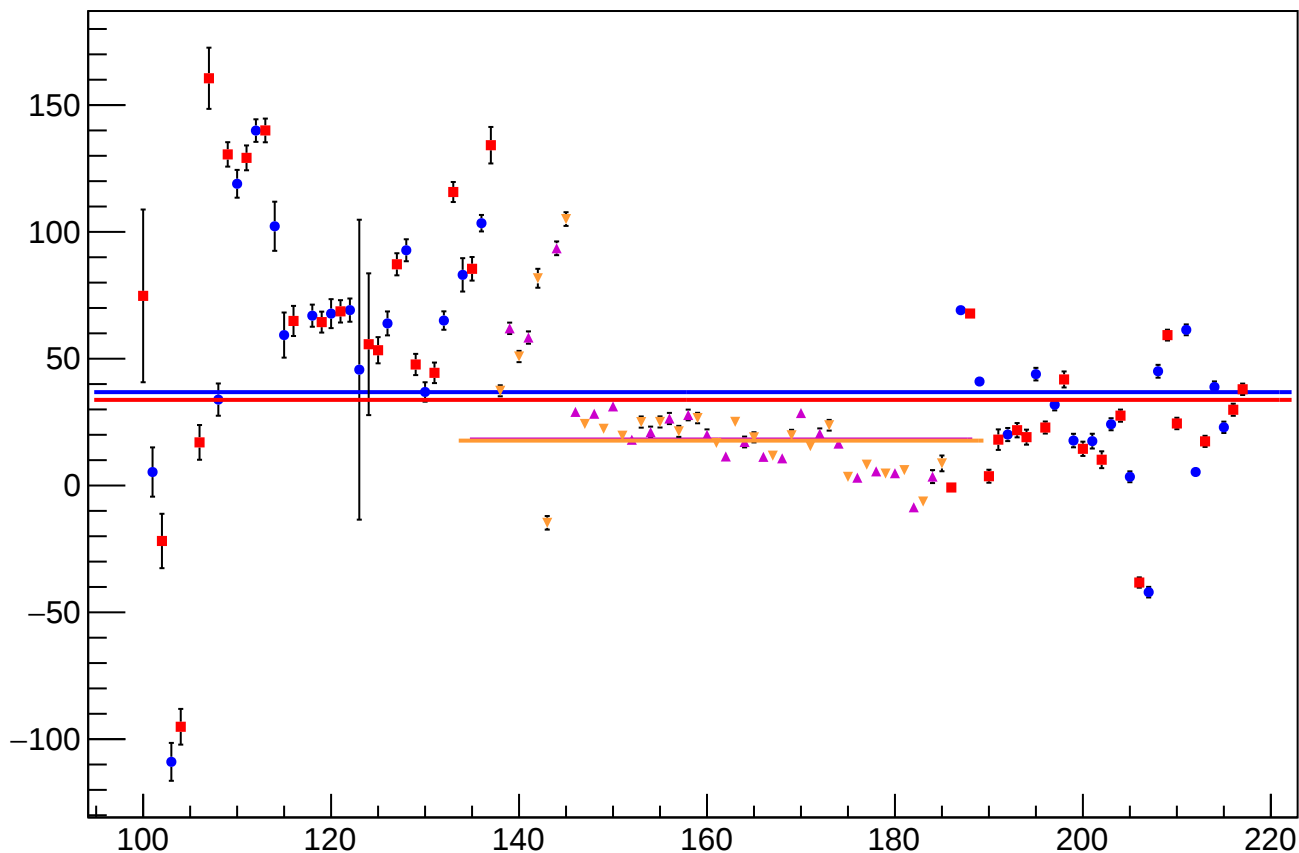
Left In: 7.638 ± 0.313 $\chi^2/\text{NDF}: 337.7/22$

+ sign 8.550 ± 0.261 $\chi^2/\text{NDF}: 1380.8/56$

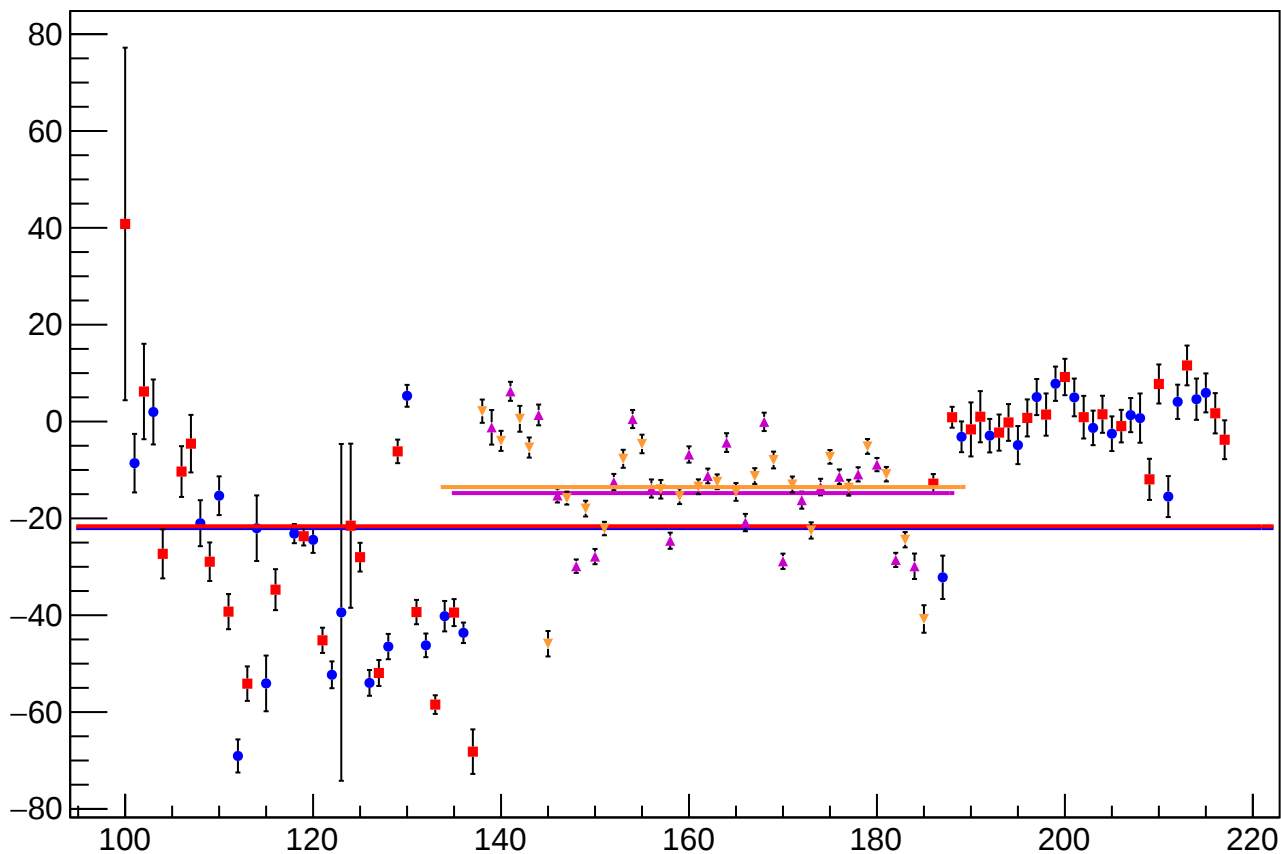
All: 8.849 ± 0.184 $\chi^2/\text{NDF}: 2578.3/115$

- sign 9.146 ± 0.260 $\chi^2/\text{NDF}: 1194.9/58$

reg_asym_at1_avg_diff_bpm4eX_slope vs Slug



reg_asym_at1_avg_diff_bpm4eY_slope vs Slug



Right In: -22.007 ± 0.594 χ^2/NDF : 1509.8/31

Left Out: -13.531 ± 0.344 χ^2/NDF : 572.8/24

Right Out: -21.627 ± 0.558 χ^2/NDF : 1582.6/35

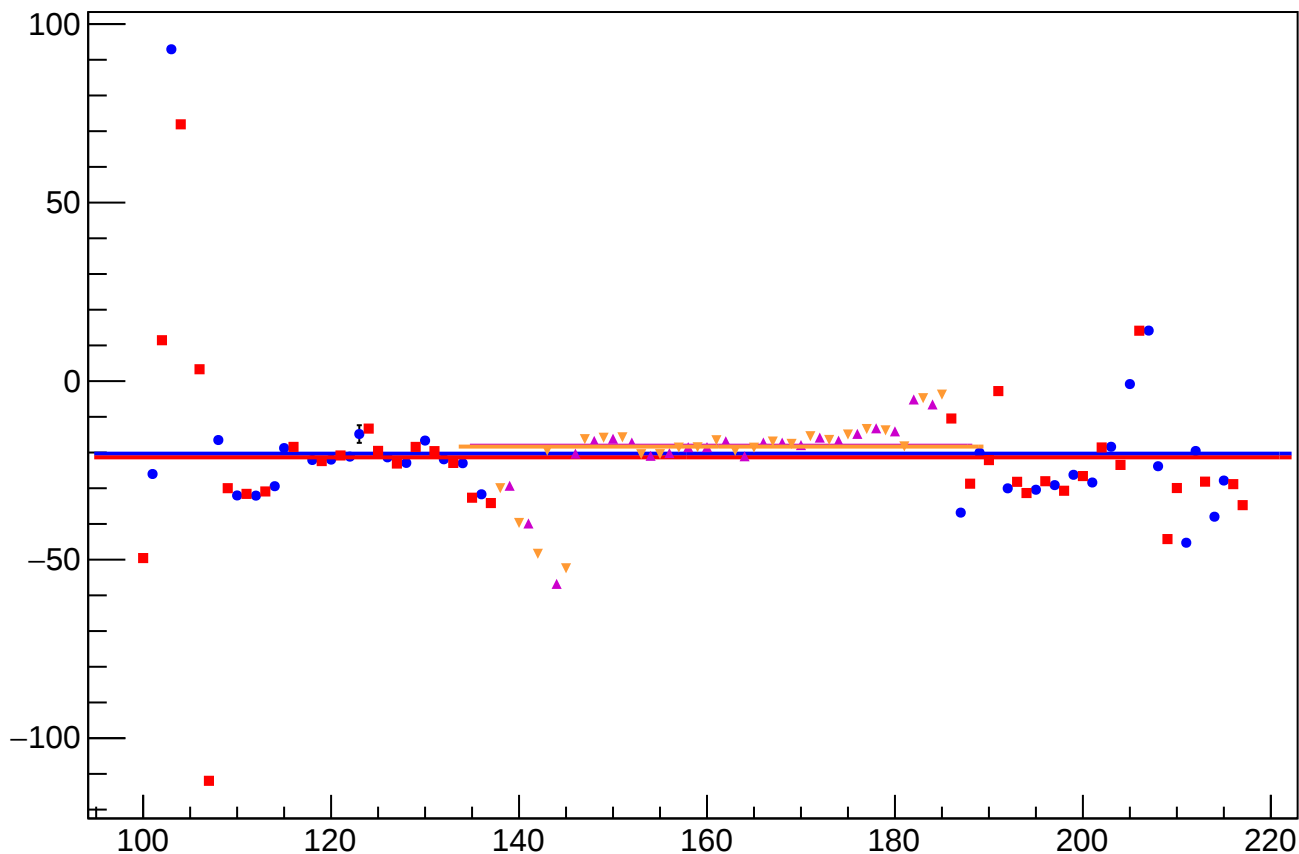
Left In: -14.778 ± 0.354 χ^2/NDF : 838.0/22

+ sign -15.663 ± 0.298 χ^2/NDF : 2235.2/56

All: -16.202 ± 0.211 χ^2/NDF : 4769.9/115

- sign -16.746 ± 0.299 χ^2/NDF : 2528.1/58

reg_asym_at1_avg_diff_bpm12X_slope vs Slug



Right In: -20.316 ± 0.028 χ^2/NDF : 619395.8/31

Left Out: -18.334 ± 0.016 χ^2/NDF : 284152.1/24

Right Out: -21.351 ± 0.027 χ^2/NDF : 583577.8/35

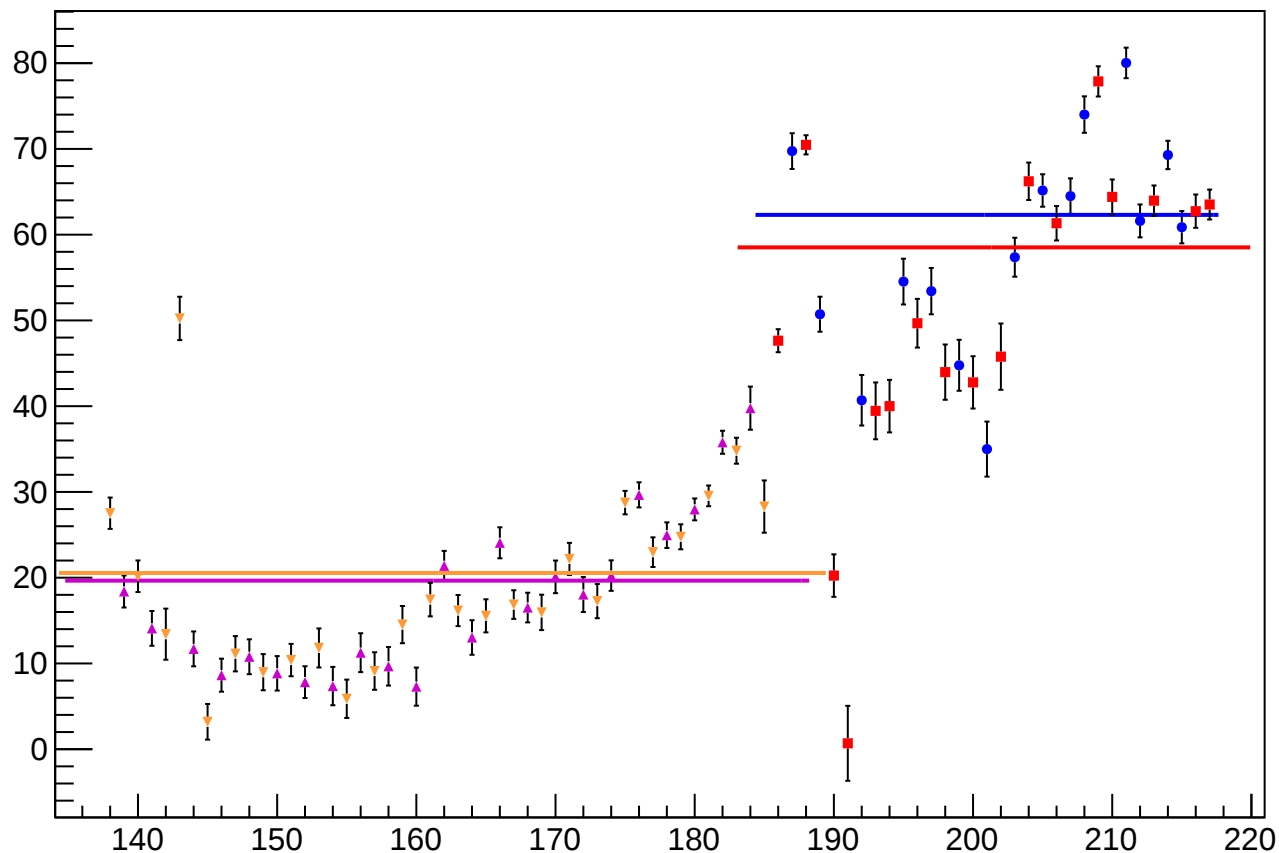
Left In: -18.083 ± 0.016 χ^2/NDF : 241949.5/22

+ sign -18.805 ± 0.014 χ^2/NDF : 907266.2/56

All: -18.868 ± 0.010 χ^2/NDF : 1743533.3/115

- sign -18.931 ± 0.014 χ^2/NDF : 836225.9/58

reg_asym_at1_dd_diff_bpm1X_slope vs Slug



Right In: 62.307 $\pm$ 0.556 χ^2 /NDF: 381.5/14

Left Out: 20.550 $\pm$ 0.373 χ^2 /NDF: 626.4/24

Right Out: 58.519 $\pm$ 0.494 χ^2 /NDF: 896.4/16

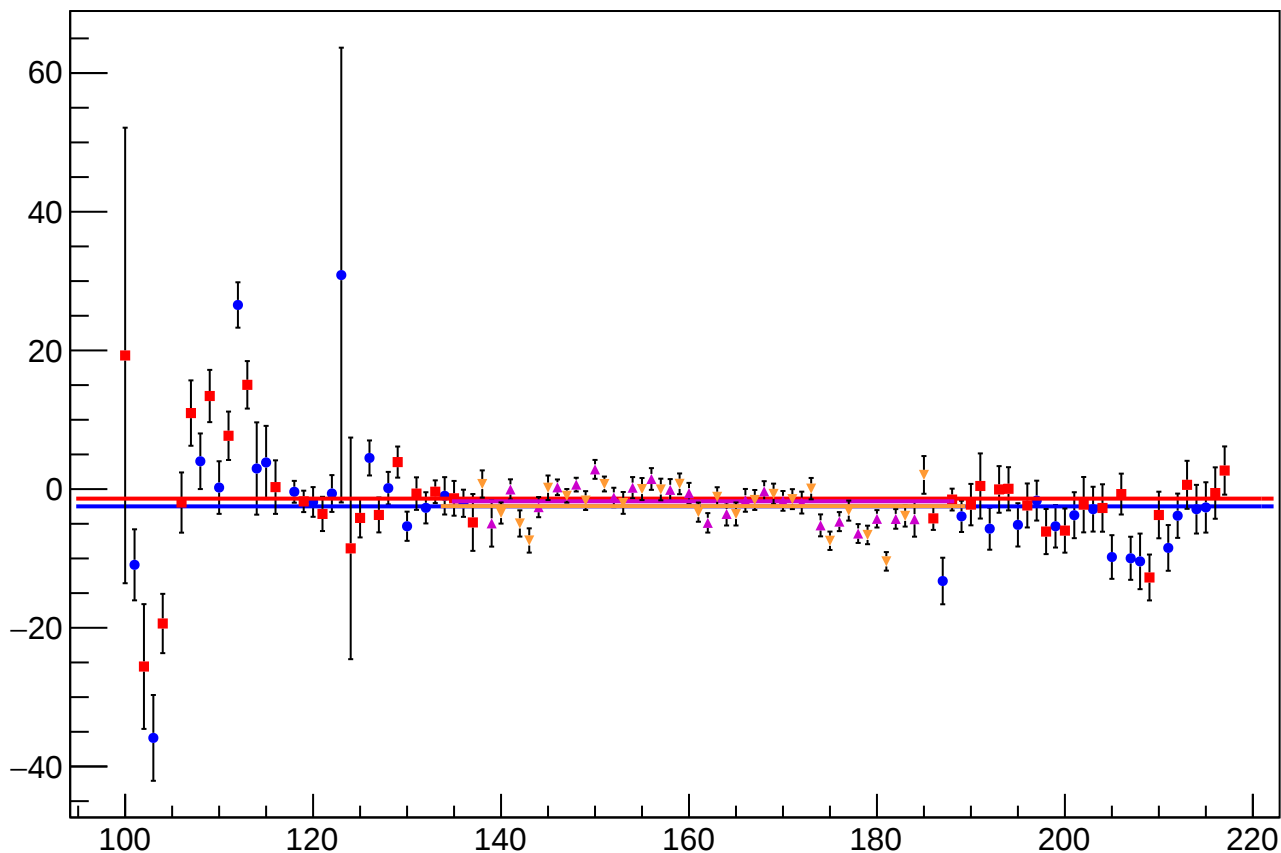
Left In: 19.656 $\pm$ 0.380 χ^2 /NDF: 571.8/22

+ sign 33.517 $\pm$ 0.310 χ^2 /NDF: 4898.3/39

All: 33.828 $\pm$ 0.216 χ^2 /NDF: 10253.6/79

- sign 34.122 $\pm$ 0.301 χ^2 /NDF: 5353.3/39

reg_asym_at1_dd_diff_bpm4aY_slope vs Slug



Right In: -2.489 $\pm$ 0.513 χ^2 /NDF: 162.6/31

Left Out: -2.455 $\pm$ 0.292 χ^2 /NDF: 106.0/24

Right Out: -1.371 $\pm$ 0.476 χ^2 /NDF: 109.4/35

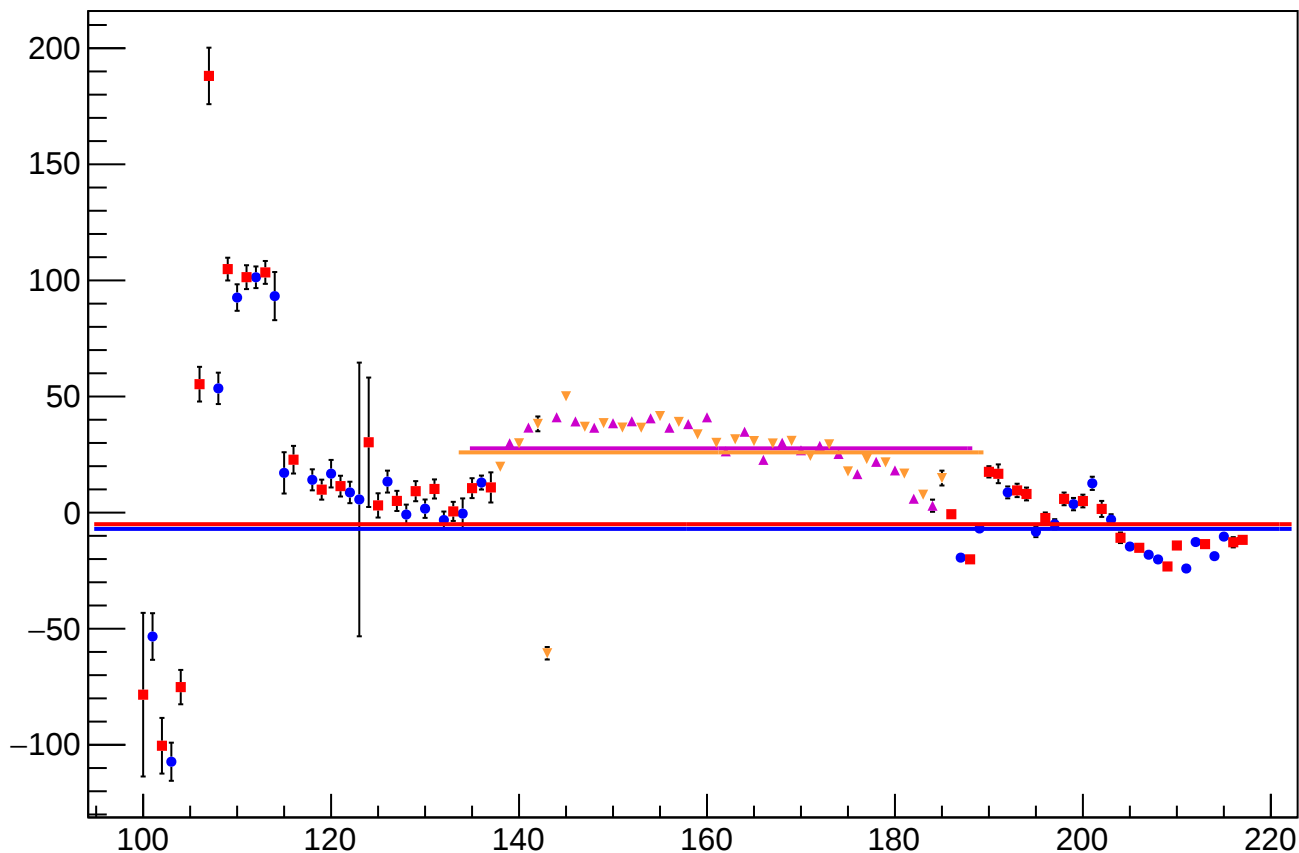
Left In: -1.758 $\pm$ 0.302 χ^2 /NDF: 67.4/22

+ sign -2.463 $\pm$ 0.254 χ^2 /NDF: 268.6/56

All: -2.057 $\pm$ 0.180 χ^2 /NDF: 451.0/115

- sign -1.647 $\pm$ 0.255 χ^2 /NDF: 177.3/58

reg_asym_at1_dd_diff_bpm4eX_slope vs Slug



Right In: -7.011 ± 0.492 χ^2/NDF : 1701.2/31

Left Out: 25.938 ± 0.372 χ^2/NDF : 1711.6/24

Right Out: -4.985 ± 0.427 χ^2/NDF : 2687.3/35

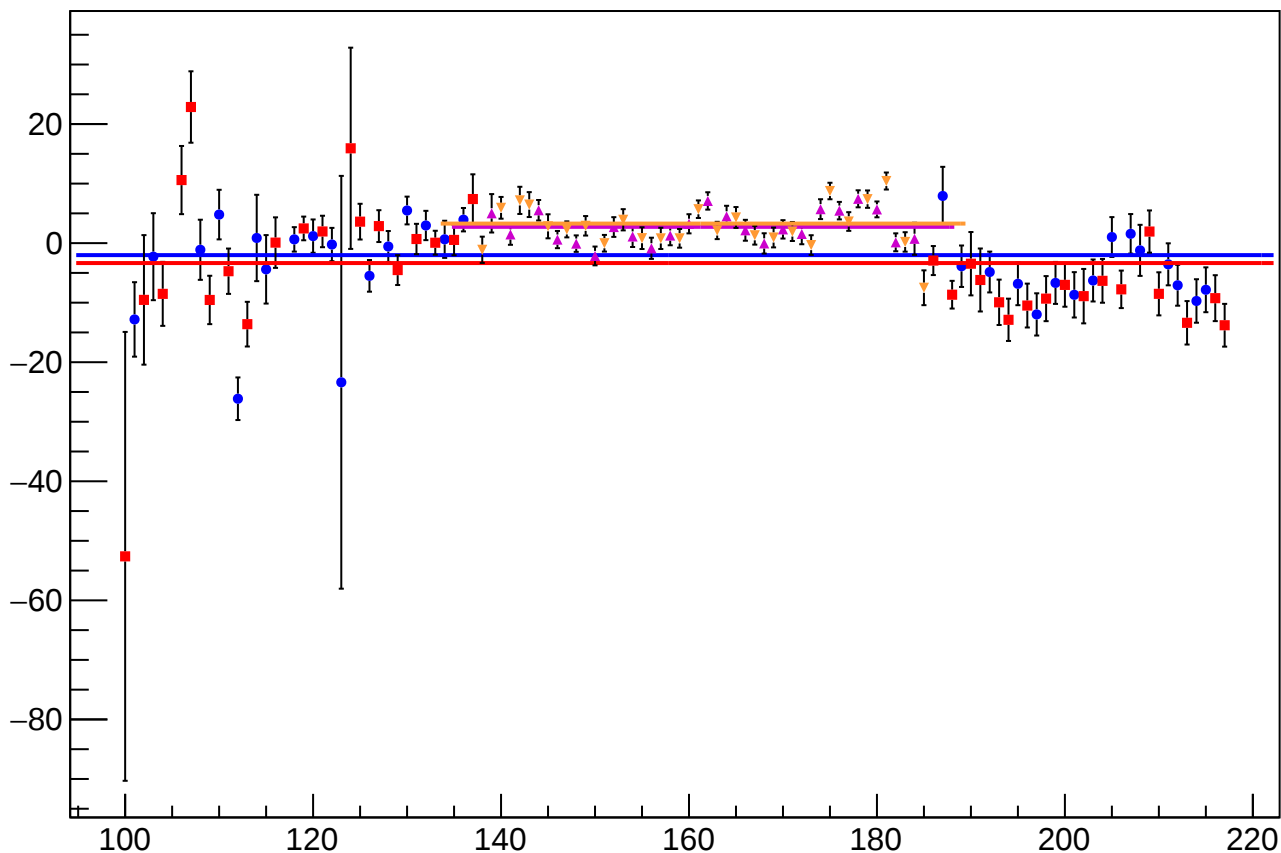
Left In: 27.677 ± 0.378 χ^2/NDF : 803.9/22

+ sign 13.940 ± 0.297 χ^2/NDF : 6264.3/56

All: 13.610 ± 0.205 χ^2/NDF : 13038.2/115

- sign 13.310 ± 0.283 χ^2/NDF : 6771.6/58

reg_asym_at1_dd_diff_bpm4eY_slope vs Slug



Right In: -2.013 ± 0.587 χ^2/NDF : 113.9/31

Left Out: 3.283 ± 0.331 χ^2/NDF : 102.3/24

Right Out: -3.346 ± 0.562 χ^2/NDF : 127.5/35

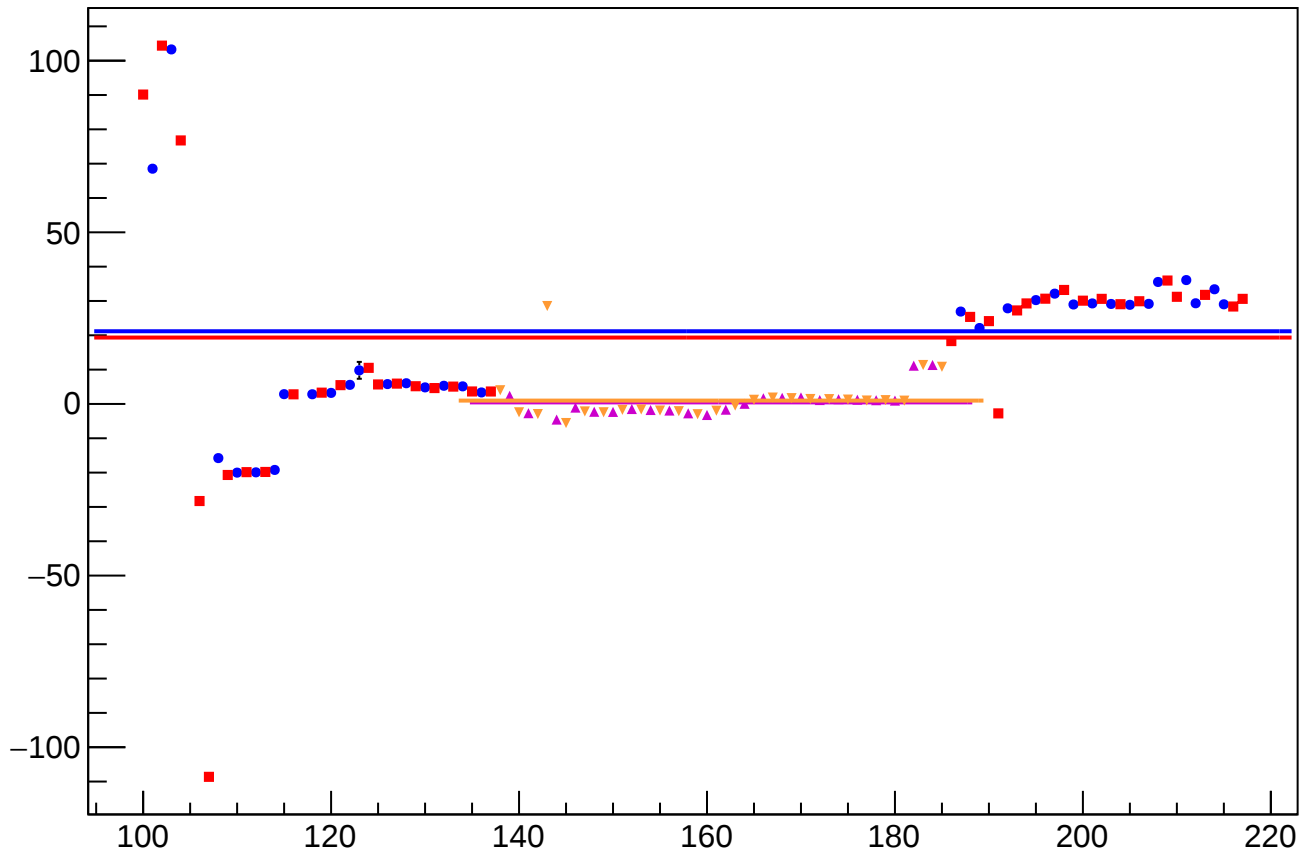
Left In: 2.738 ± 0.341 χ^2/NDF : 64.5/22

+ sign 2.002 ± 0.289 χ^2/NDF : 277.9/56

All: 1.556 ± 0.205 χ^2/NDF : 560.4/115

- sign 1.099 ± 0.292 χ^2/NDF : 277.7/58

reg_asym_at1_dd_diff_bpm12X_slope vs Slug



Right In: 21.179 $\pm$ 0.028 χ^2 /NDF: 514070.7/31

Left Out: 0.979 $\pm$ 0.015 χ^2 /NDF:117391.3/24

Right Out: 19.344 $\pm$ 0.027 χ^2 /NDF: 749909.1/35

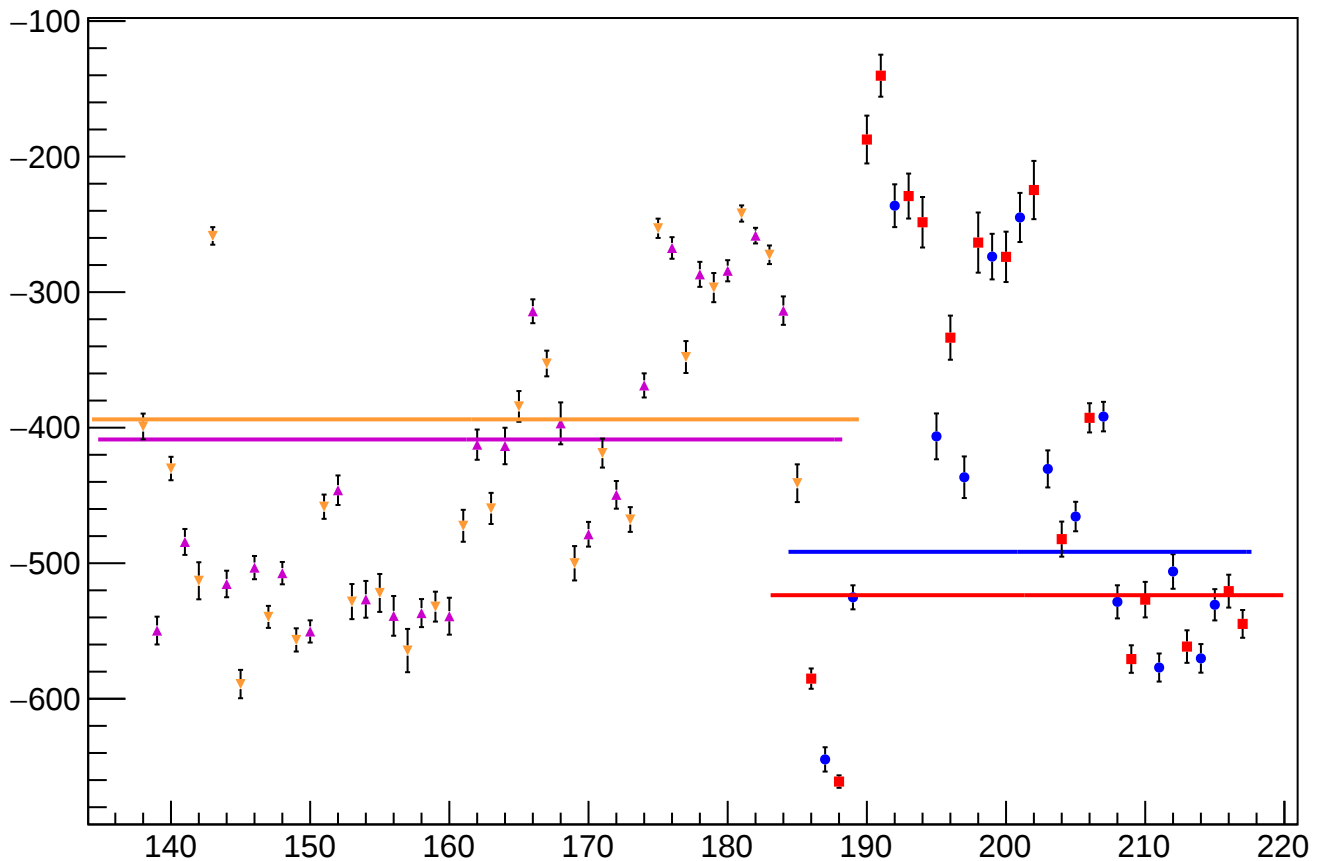
Left In: 0.451 $\pm$ 0.015 χ^2 /NDF:50699.8/22

+ sign 5.658 $\pm$ 0.013 χ^2 /NDF: 1041019.5/56

All: 5.413 $\pm$ 0.009 χ^2 /NDF: 2216329.9/115

- sign 5.165 $\pm$ 0.013 χ^2 /NDF: 1174629.0/58

reg_asym_at2_avg_diff_bpm1X_slope vs Slug



Right In: -491.593 ± 3.095 $\chi^2/\text{NDF}: 1214.1/14$

Left Out: -393.871 ± 1.897 $\chi^2/\text{NDF}: 3772.8/24$

Right Out: -523.596 ± 2.642 $\chi^2/\text{NDF}: 3312.8/16$

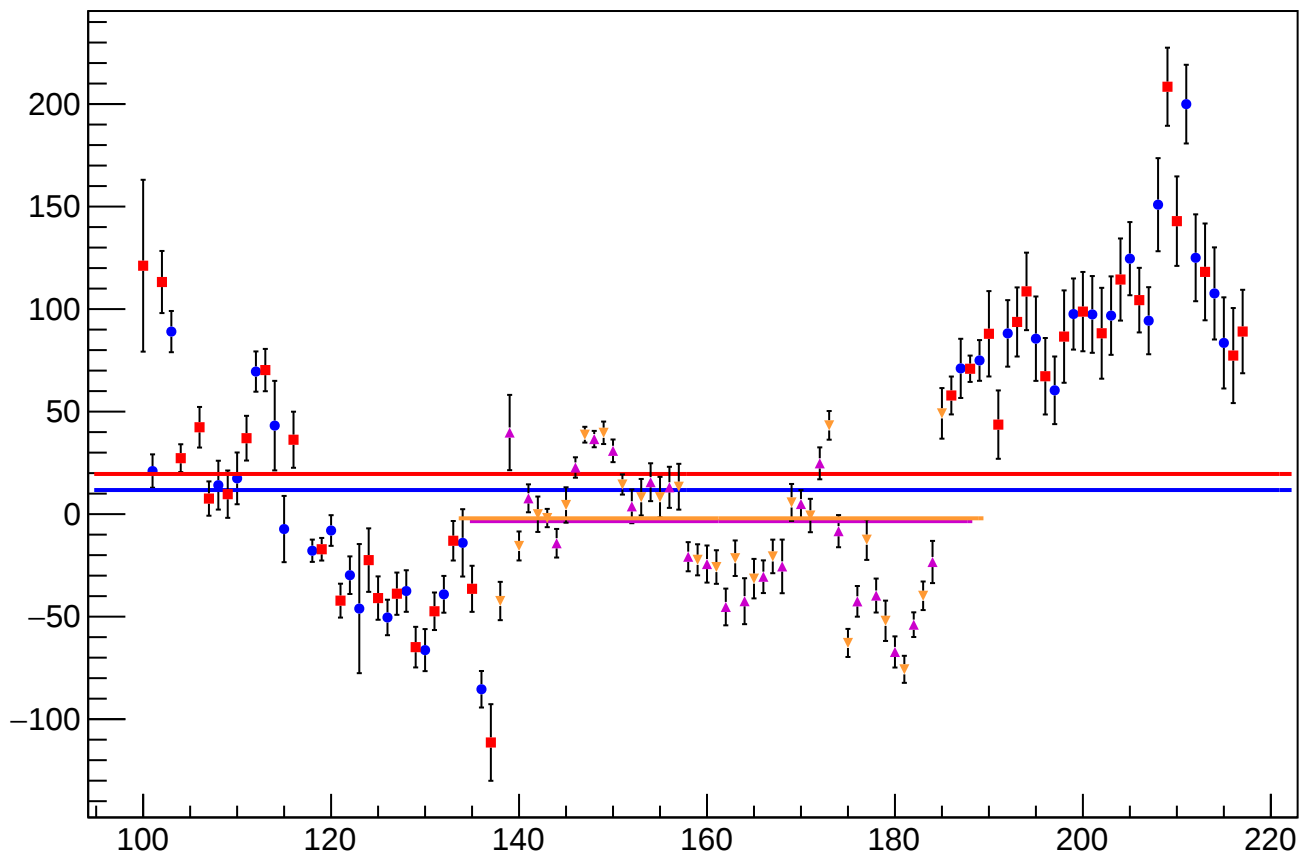
Left In: -408.696 ± 1.979 $\chi^2/\text{NDF}: 3062.9/22$

+ sign -420.559 ± 1.617 $\chi^2/\text{NDF}: 5711.6/39$

All: -435.587 ± 1.132 $\chi^2/\text{NDF}: 13468.2/79$

- sign -449.998 ± 1.584 $\chi^2/\text{NDF}: 7587.4/39$

reg_asym_at2_avg_diff_bpm4aY_slope vs Slug



Right In: 11.751 ± 2.076 $\chi^2/\text{NDF}: 868.8/31$

Left Out: -2.037 ± 1.424 $\chi^2/\text{NDF}: 563.8/24$

Right Out: 19.589 ± 1.922 $\chi^2/\text{NDF}: 859.8/35$

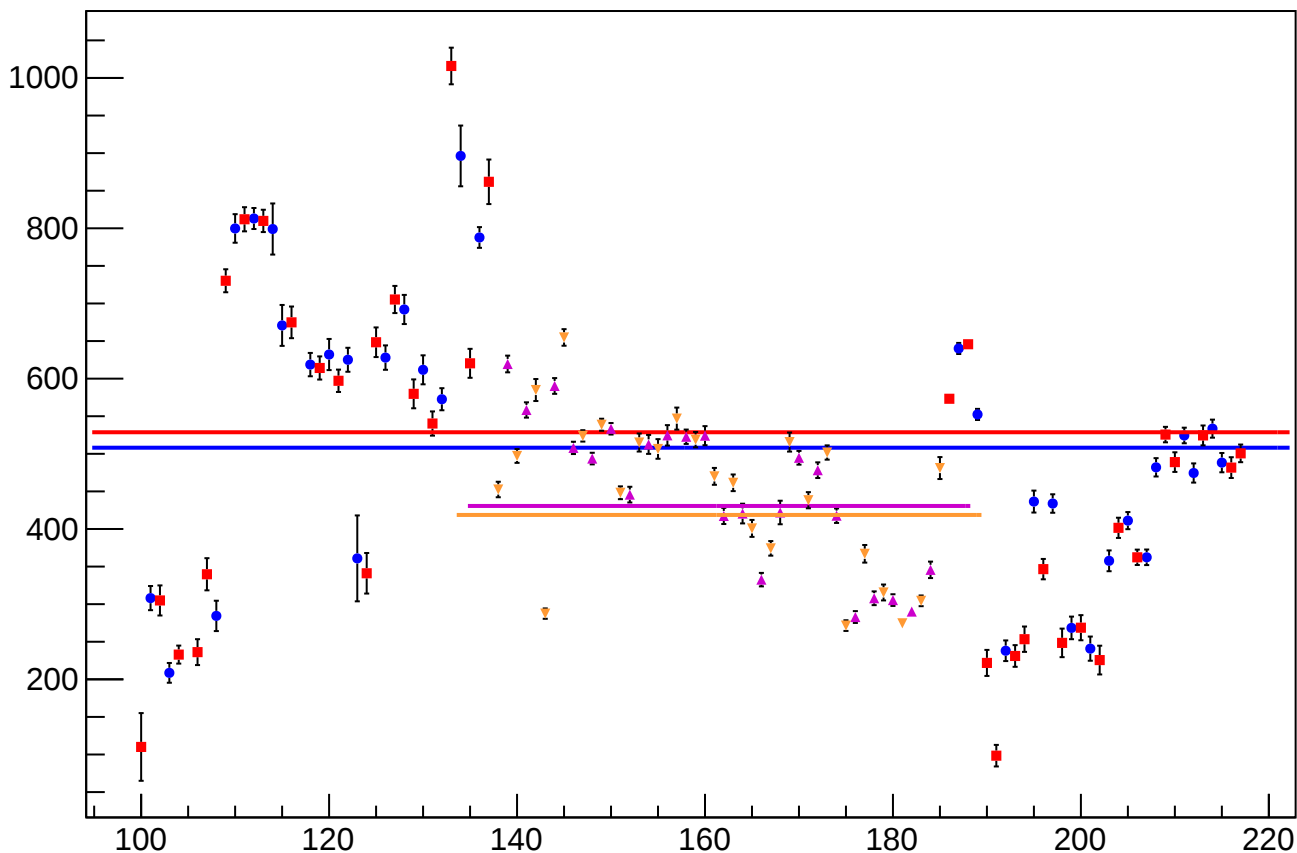
Left In: -3.420 ± 1.520 $\chi^2/\text{NDF}: 451.0/22$

+ sign 2.376 ± 1.174 $\chi^2/\text{NDF}: 1462.6/56$

All: 3.882 ± 0.837 $\chi^2/\text{NDF}: 2864.9/115$

- sign 5.434 ± 1.192 $\chi^2/\text{NDF}: 1398.9/58$

reg_asym_at2_avg_diff_bpm4eX_slope vs Slug



Right In: 508.131 $\pm$ 2.414 χ^2 /NDF: 4204.4/31

Left Out: 418.680 $\pm$ 1.905 χ^2 /NDF:3296.5/24

Right Out: 528.684 $\pm$ 2.044 χ^2 /NDF: 7106.2/35

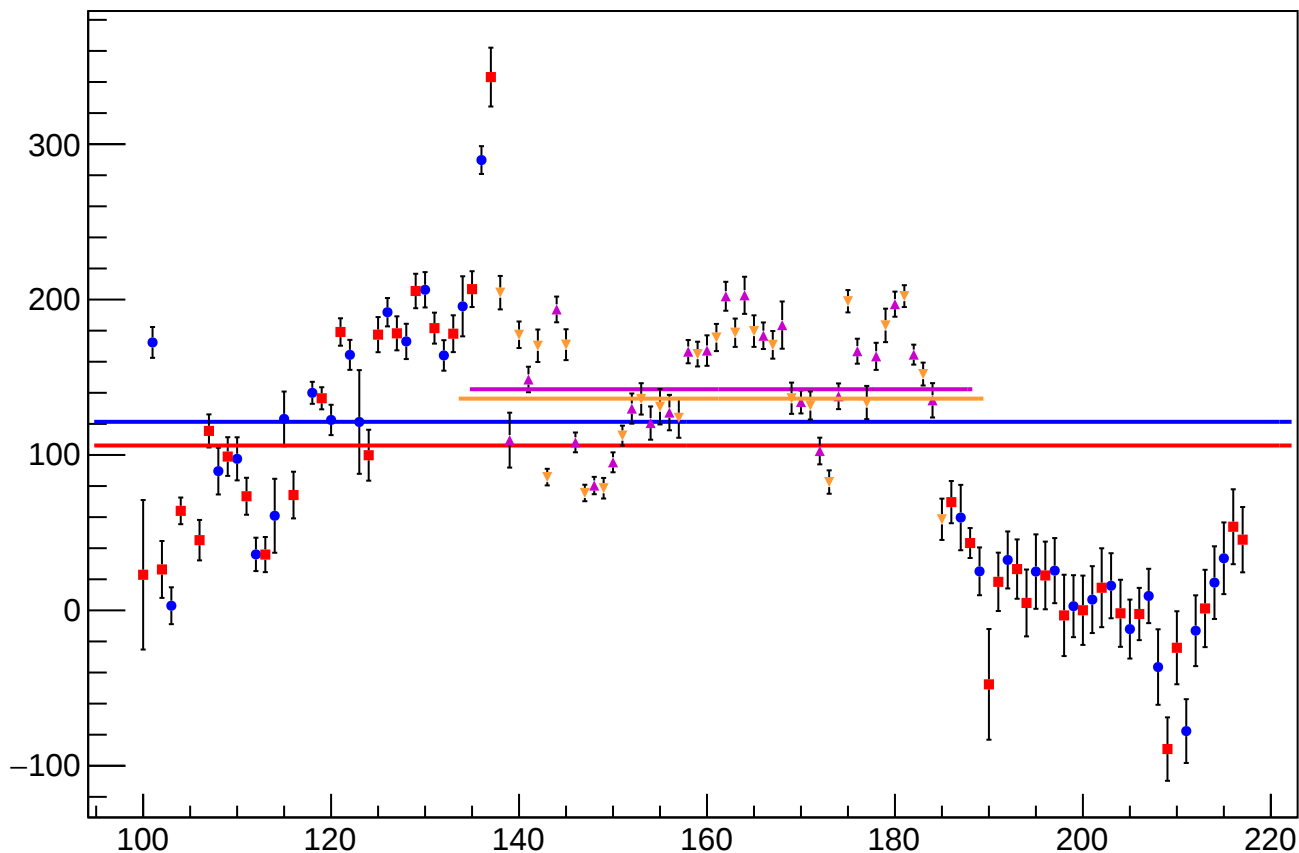
Left In: 430.640 $\pm$ 1.971 χ^2 /NDF:2850.6/22

+ sign 453.008 $\pm$ 1.495 χ^2 /NDF: 8347.2/56

All: 466.088 $\pm$ 1.029 χ^2 /NDF: 19641.5/115

- sign 477.864 $\pm$ 1.419 χ^2 /NDF: 11149.0/58

reg_asym_at2_avg_diff_bpm4eY_slope vs Slug



Right In: 121.336 $\pm$ 2.412 χ^2/NDF : 1247.4/31

Left Out: 136.258 $\pm$ 1.651 χ^2/NDF : 758.3/24

Right Out: 106.088 $\pm$ 2.276 χ^2/NDF : 1114.7/35

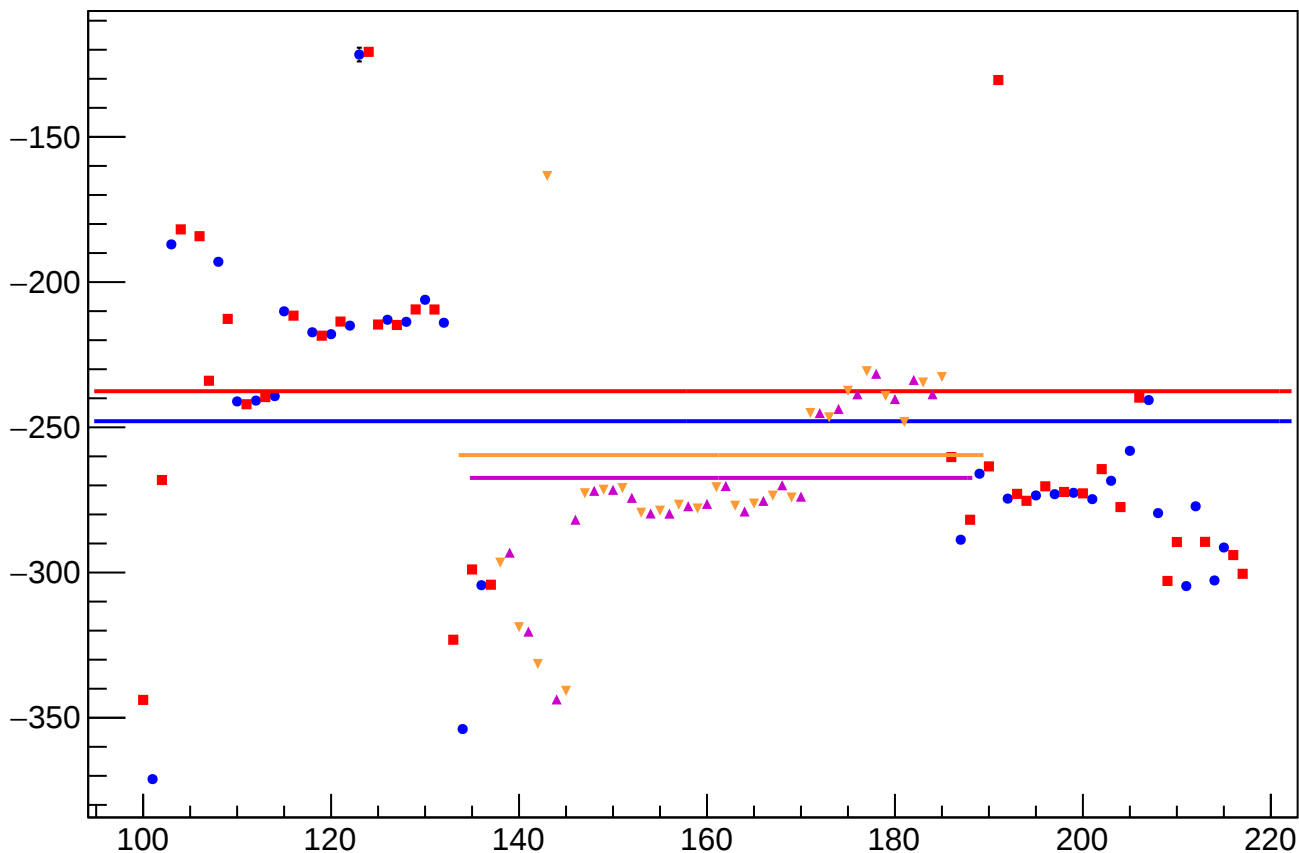
Left In: 142.296 $\pm$ 1.745 χ^2/NDF : 459.8/22

+ sign 131.498 $\pm$ 1.362 χ^2/NDF : 2031.8/56

All: 130.217 $\pm$ 0.971 χ^2/NDF : 3767.4/115

- sign 128.894 $\pm$ 1.385 χ^2/NDF : 1733.9/58

reg_asym_at2_avg_diff_bpm12X_slope vs Slug



Right In: -247.893 ± 0.120 $\chi^2/\text{NDF}: 172590.1/31$

Left Out: -259.557 ± 0.079 $\chi^2/\text{NDF}: 238235.2/24$

Right Out: -237.571 ± 0.112 $\chi^2/\text{NDF}: 187765.0/35$

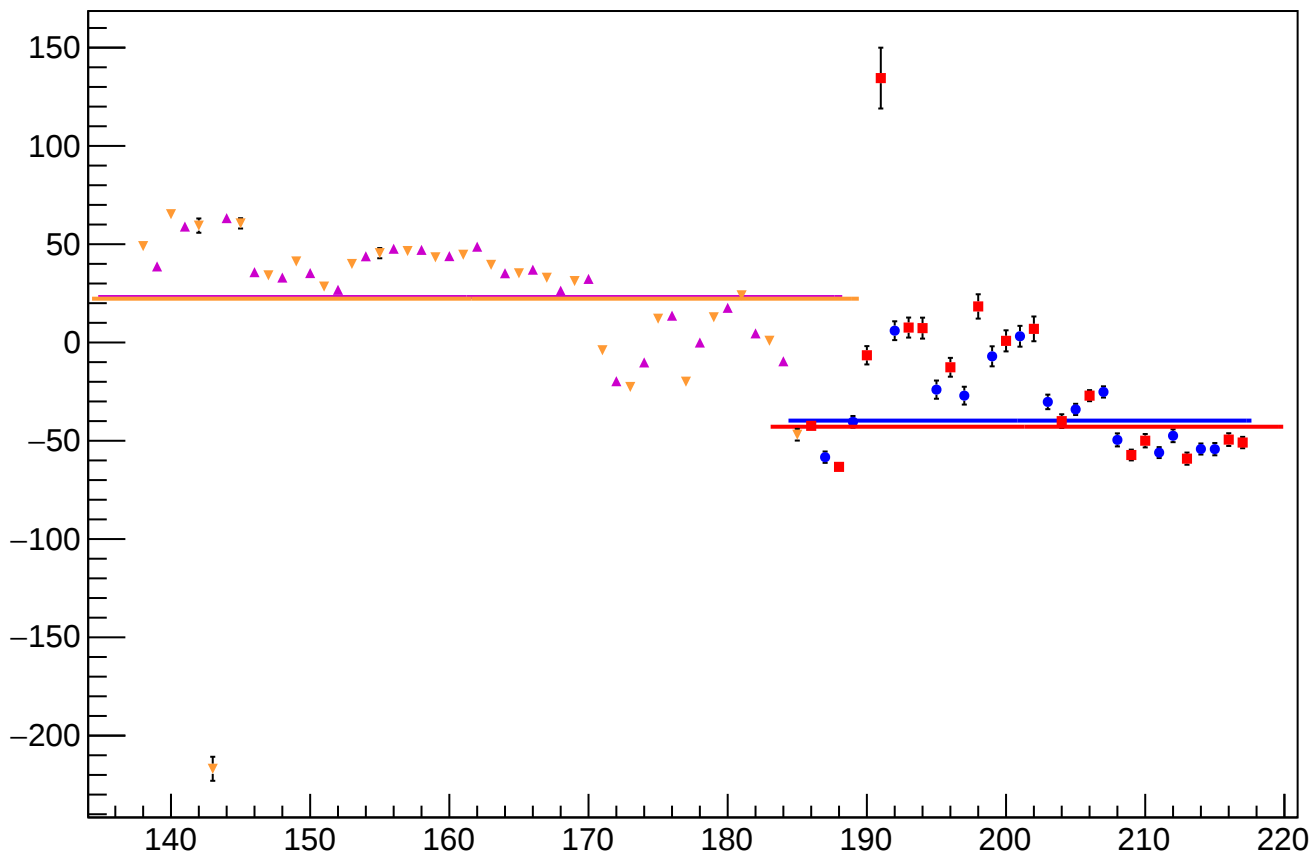
Left In: -267.417 ± 0.082 $\chi^2/\text{NDF}: 98035.5/22$

+ sign -256.020 ± 0.066 $\chi^2/\text{NDF}: 417420.9/56$

All: -256.510 ± 0.047 $\chi^2/\text{NDF}: 749947.1/115$

- sign -256.999 ± 0.066 $\chi^2/\text{NDF}: 332415.9/58$

reg_asym_at2_dd_diff_bpm1X_slope vs Slug



Right In: -39.745 ± 0.875 χ^2/NDF : 391.8/14

Left Out: 22.279 ± 0.399 χ^2/NDF : 5171.0/24

Right Out: -42.857 ± 0.758 χ^2/NDF : 920.2/16

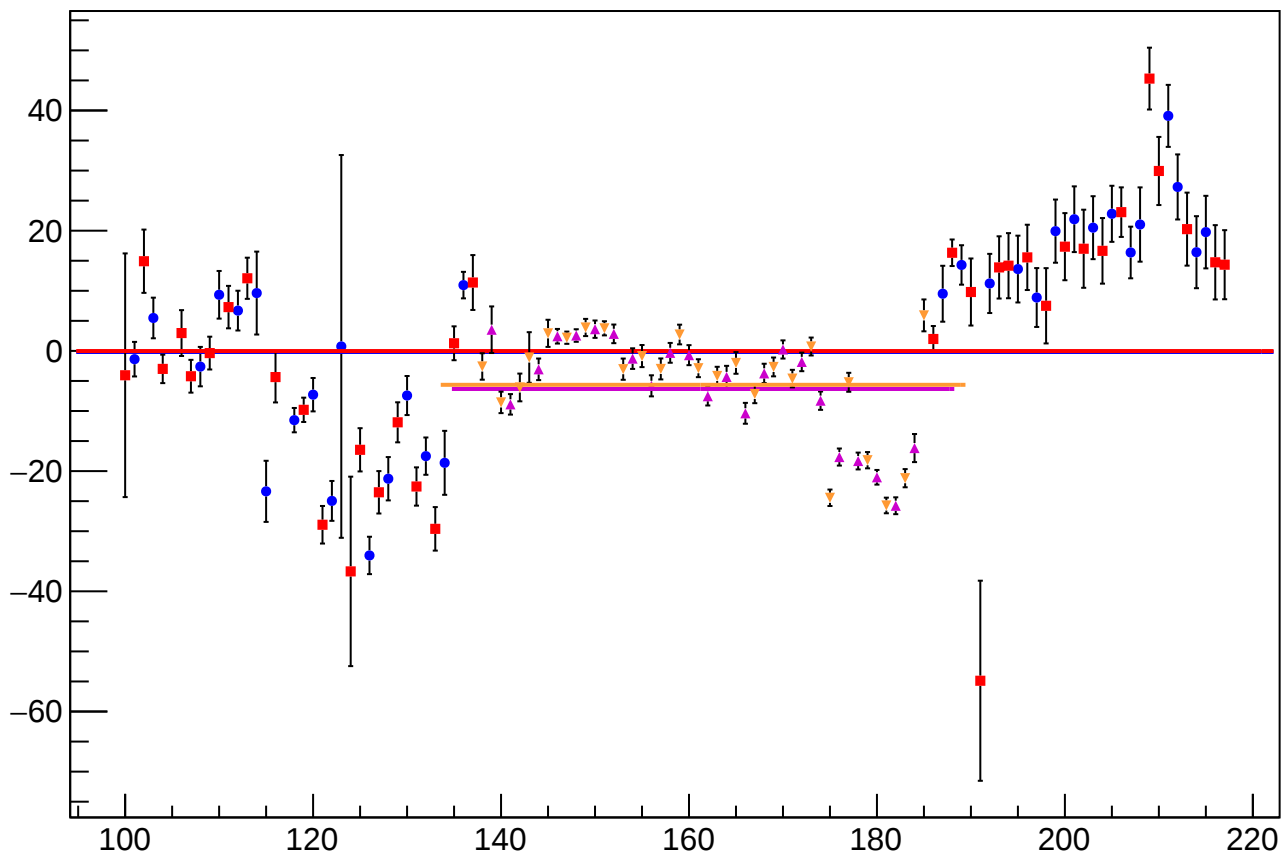
Left In: 23.136 ± 0.401 χ^2/NDF : 2744.7/22

+ sign 11.610 ± 0.363 χ^2/NDF : 9724.6/39

All: 10.118 ± 0.254 χ^2/NDF : 19337.2/79

- sign 8.692 ± 0.355 χ^2/NDF : 9579.5/39

reg_asym_at2_dd_diff_bpm4aY_slope vs Slug



Right In: -0.181 ± 0.672 χ^2/NDF : 594.9/31

Left Out: -5.642 ± 0.316 χ^2/NDF : 893.7/24

Right Out: -0.024 ± 0.619 χ^2/NDF : 625.3/35

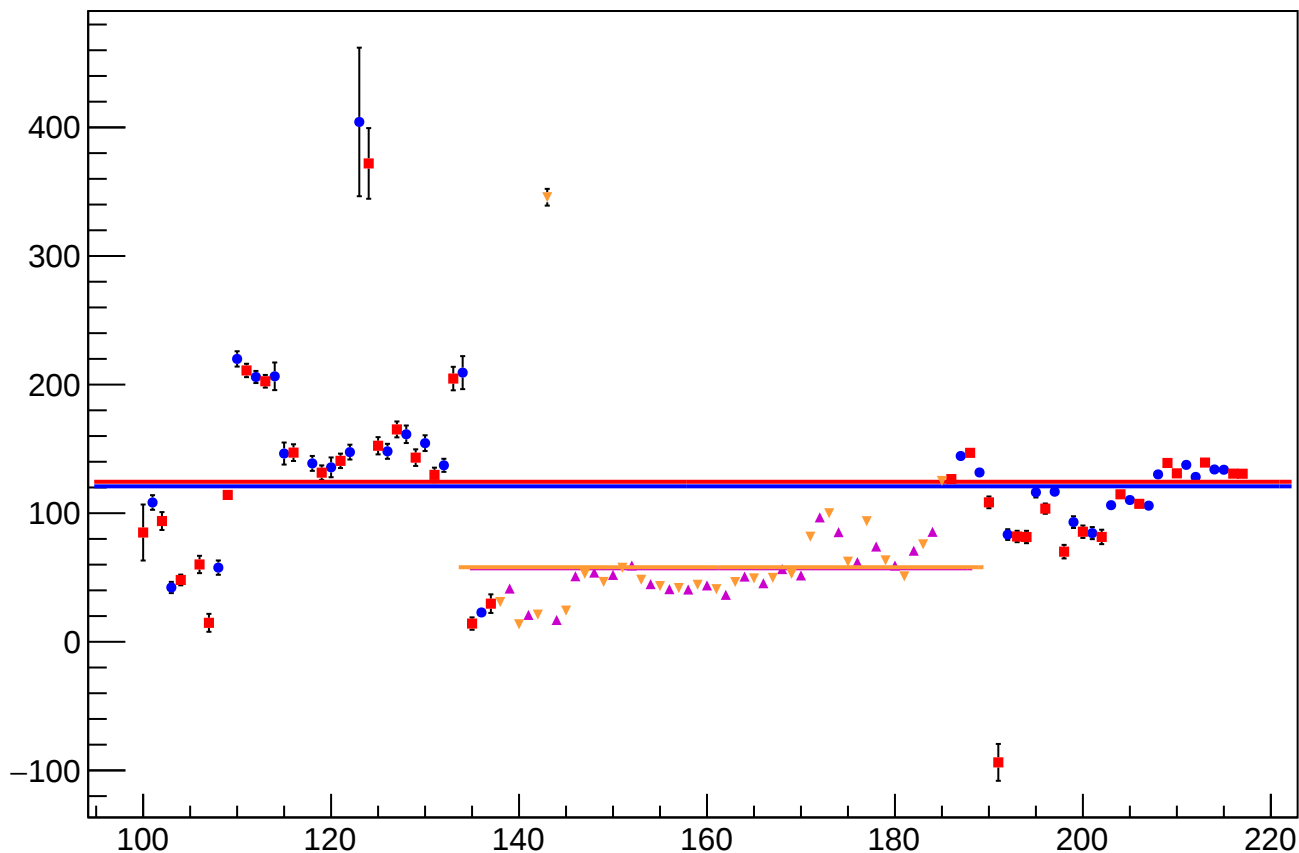
Left In: -6.337 ± 0.321 χ^2/NDF : 783.0/22

+ sign -4.656 ± 0.286 χ^2/NDF : 1542.8/56

All: -4.827 ± 0.202 χ^2/NDF : 3033.8/115

- sign -4.998 ± 0.285 χ^2/NDF : 1490.3/58

reg_asym_at2_dd_diff_bpm4eX_slope vs Slug



Right In: 120.887 $\pm$ 0.719 χ^2 /NDF: 2602.3/31

Left Out: 57.990 $\pm$ 0.398 χ^2 /NDF:4635.7/24

Right Out: 124.447 $\pm$ 0.610 χ^2 /NDF: 3279.2/35

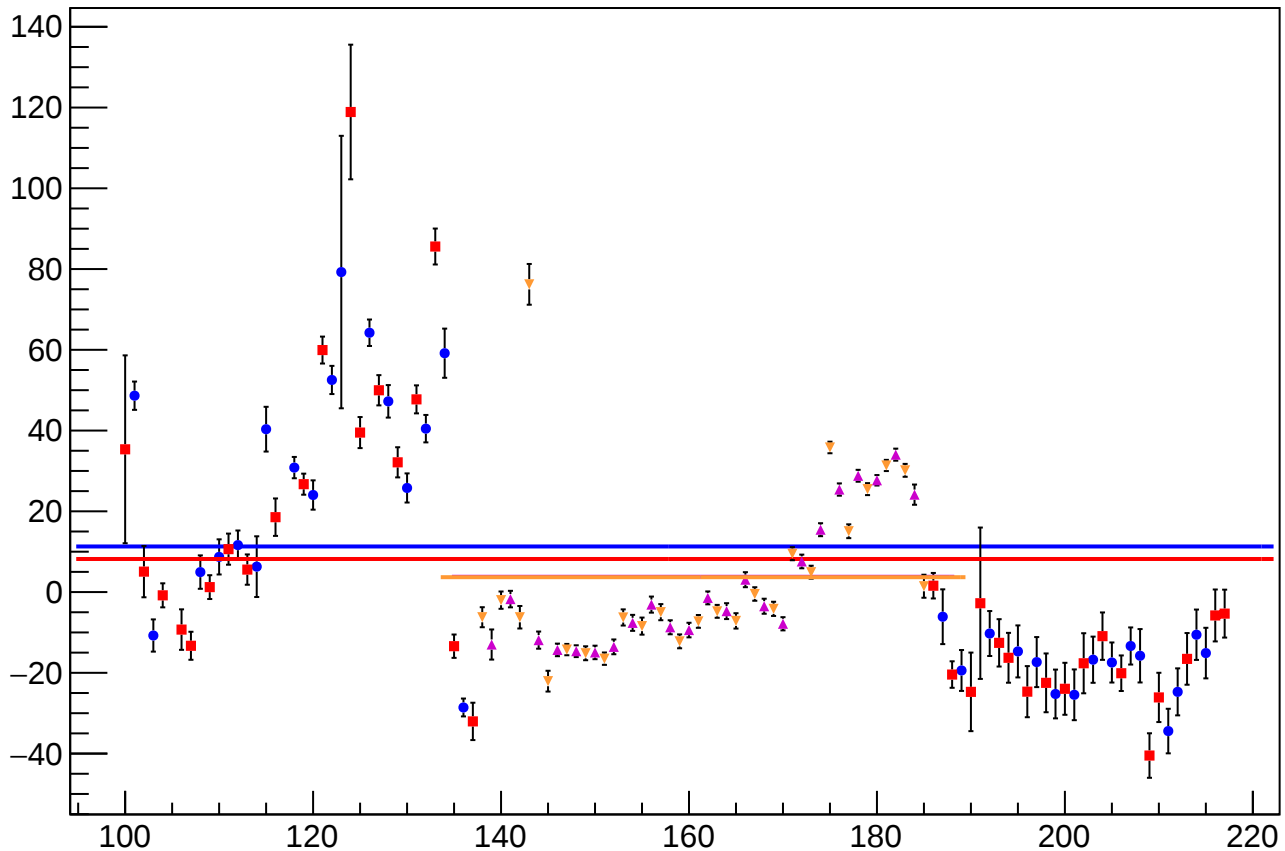
Left In: 57.139 $\pm$ 0.400 χ^2 /NDF:1803.4/22

+ sign 72.735 $\pm$ 0.348 χ^2 /NDF: 13094.4/56

All: 75.123 $\pm$ 0.241 χ^2 /NDF: 26777.8/115

- sign 77.324 $\pm$ 0.334 χ^2 /NDF: 13593.0/58

reg_asym_at2_dd_diff_bpm4eY_slope vs Slug



Right In: 11.294 $\pm$ 0.770 χ^2 /NDF: 1609.0/31

Left Out: 3.684 $\pm$ 0.357 χ^2 /NDF: 2541.7/24

Right Out: 8.193 $\pm$ 0.730 χ^2 /NDF: 1592.1/35

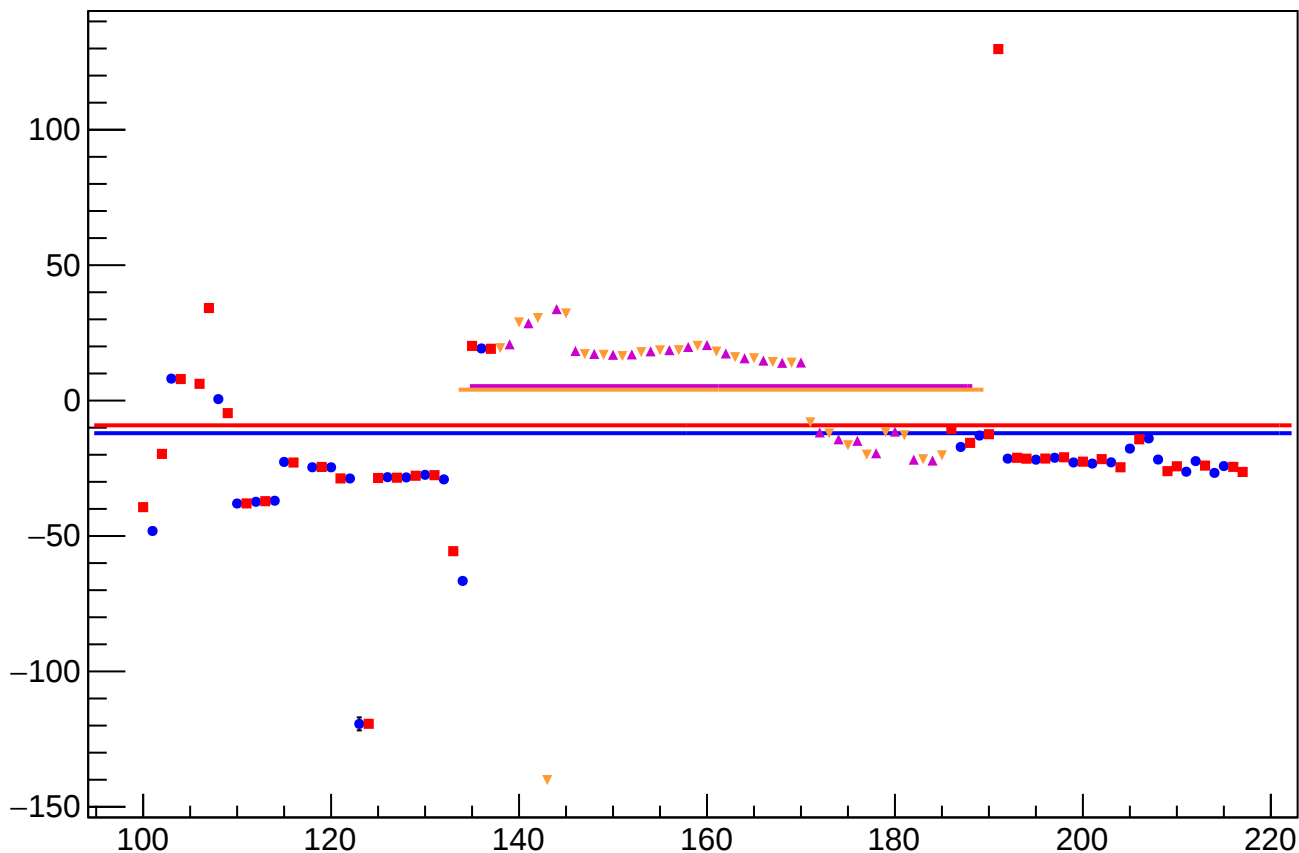
Left In: 3.786 $\pm$ 0.362 χ^2 /NDF: 2198.8/22

+ sign 5.028 $\pm$ 0.324 χ^2 /NDF: 4231.0/56

All: 4.842 $\pm$ 0.229 χ^2 /NDF: 8051.9/115

- sign 4.655 $\pm$ 0.324 χ^2 /NDF: 3820.2/58

reg_asym_at2_dd_diff_bpm12X_slope vs Slug



Right In: -12.040 ± 0.036 χ^2/NDF : 307001.7/31

Left Out: 4.026 ± 0.016 χ^2/NDF : 1383143.9/24

Right Out: -9.136 ± 0.035 χ^2/NDF : 401699.3/35

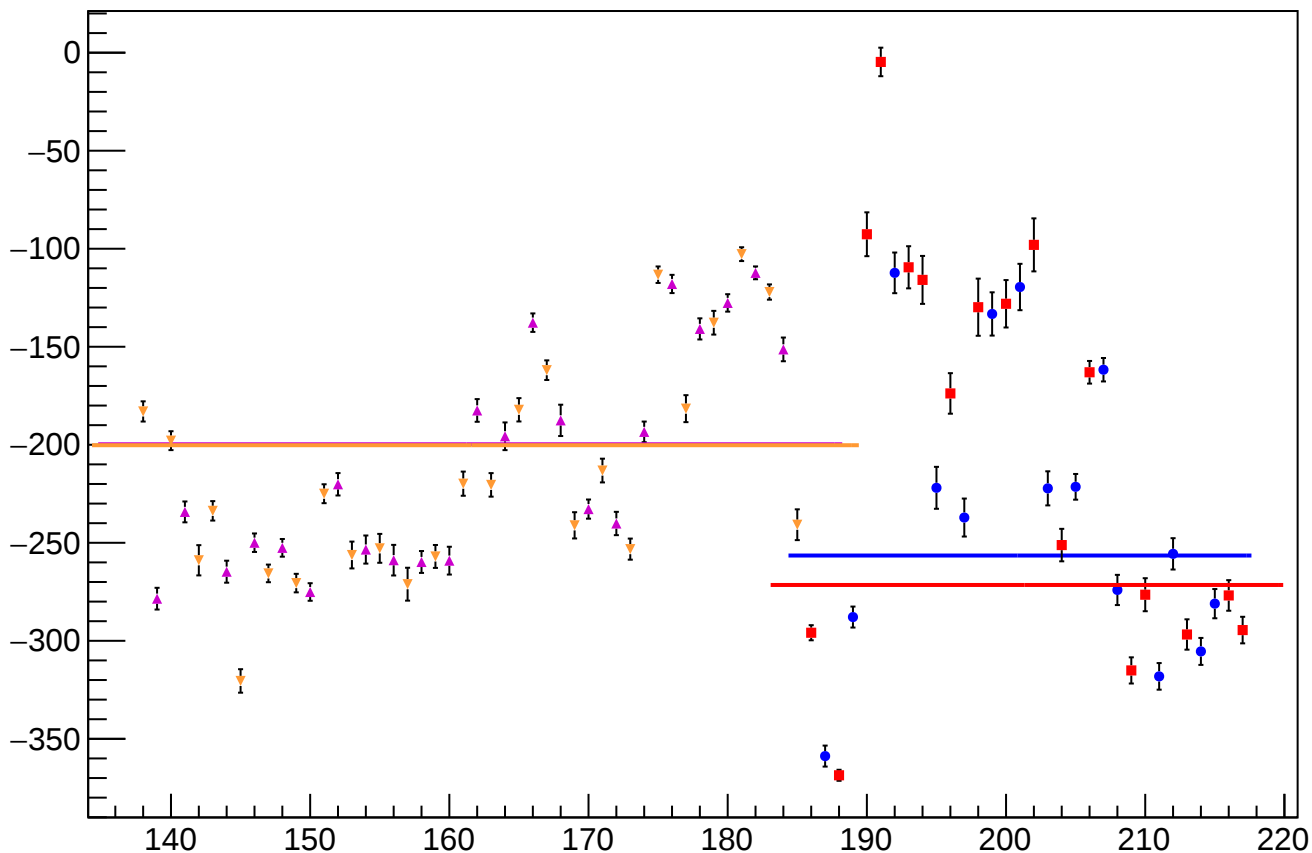
Left In: 5.335 ± 0.016 χ^2/NDF : 1077818.8/22

+ sign 1.273 ± 0.015 χ^2/NDF : 1855285.3/56

All: 2.005 ± 0.011 χ^2/NDF : 3479134.3/115

- sign 2.735 ± 0.015 χ^2/NDF : 1619030.5/58

reg_asym_atl1r2_avg_diff_bpm1X_slope vs Slug



Right In: -256.496 ± 1.919 χ^2/NDF : 1310.2/14

Left Out: -200.228 ± 1.078 χ^2/NDF : 3225.0/24

Right Out: -271.516 ± 1.584 χ^2/NDF : 4134.3/16

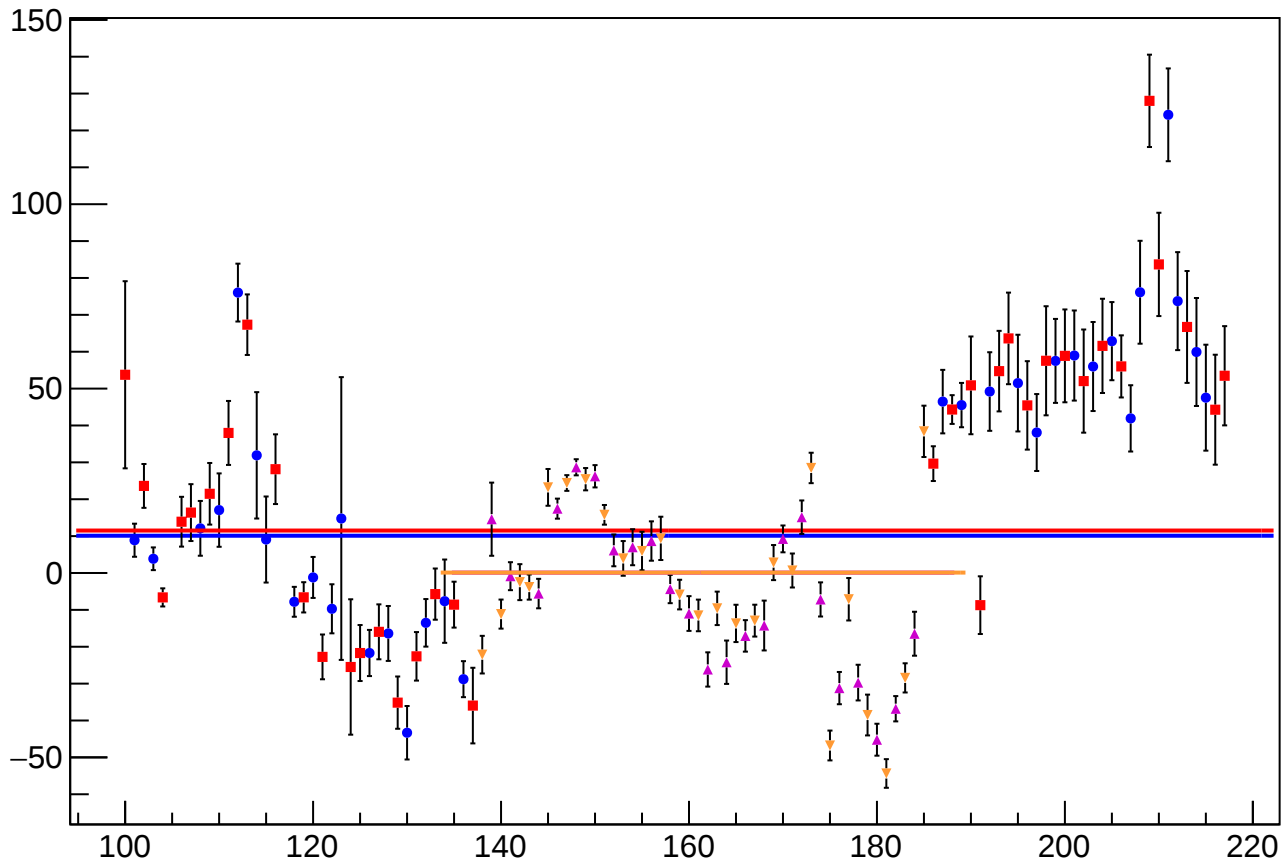
Left In: -199.739 ± 1.097 χ^2/NDF : 2968.0/22

+ sign -213.724 ± 0.940 χ^2/NDF : 5188.9/39

All: -218.556 ± 0.651 χ^2/NDF : 13728.9/79

- sign -223.008 ± 0.902 χ^2/NDF : 8489.2/39

reg_asym_atl1r2_avg_diff_bpm4aY_slope vs Slug



Right In: 10.105 $\pm$ 1.294 χ^2/NDF : 596.0/31

Left Out: 0.109 $\pm$ 0.807 χ^2/NDF : 831.2/24

Right Out: 11.513 $\pm$ 1.172 χ^2/NDF : 677.2/35

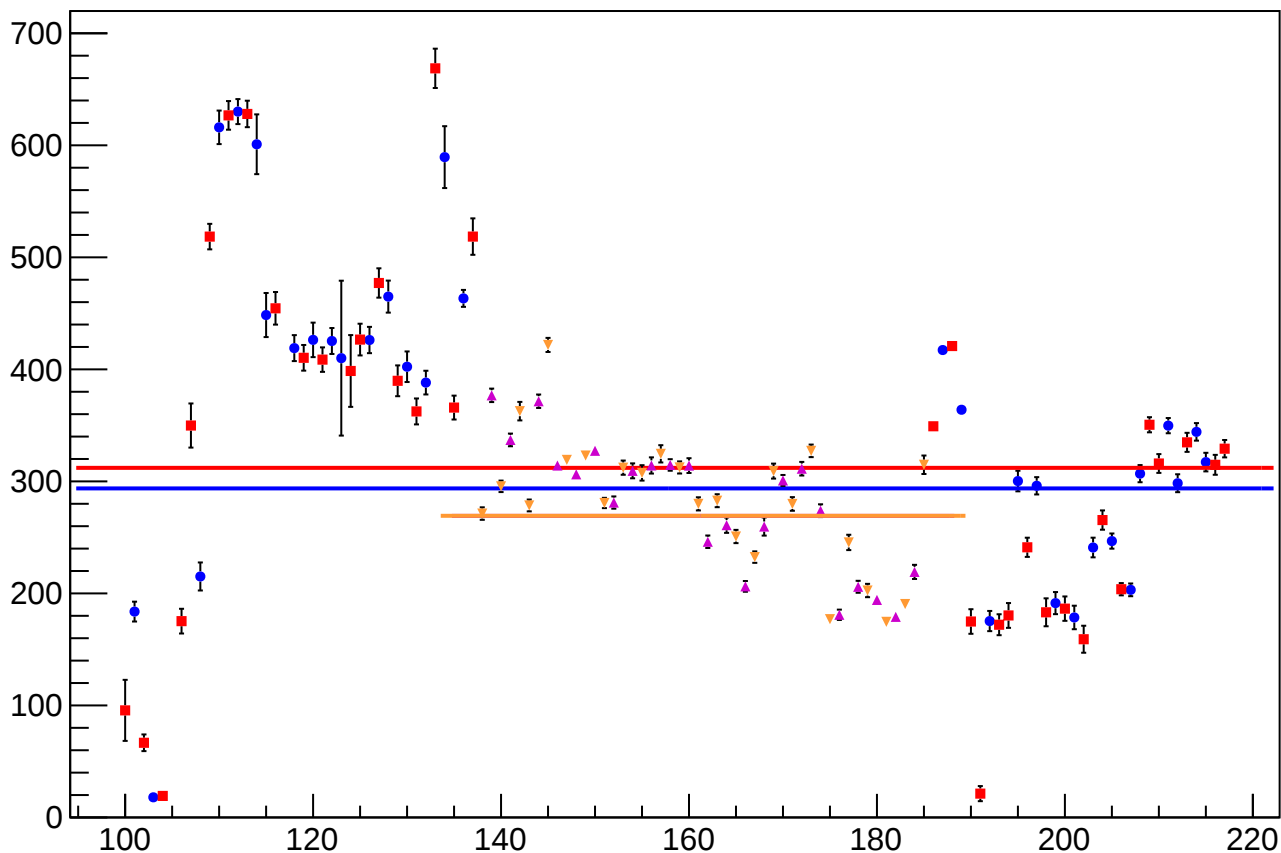
Left In: 0.097 $\pm$ 0.838 χ^2/NDF : 715.5/22

+ sign 2.909 $\pm$ 0.685 χ^2/NDF : 1470.2/56

All: 3.437 $\pm$ 0.483 χ^2/NDF : 2926.8/115

- sign 3.960 $\pm$ 0.682 χ^2/NDF : 1455.4/58

reg_asym_atl1r2_avg_diff_bpm4eX_slope vs Slug



Right In: 293.722 $\pm$ 1.452 χ^2 /NDF: 9645.1/31

Left Out: 269.278 $\pm$ 1.078 χ^2 /NDF:3146.7/24

Right Out: 312.082 $\pm$ 1.214 χ^2 /NDF: 14408.7/35

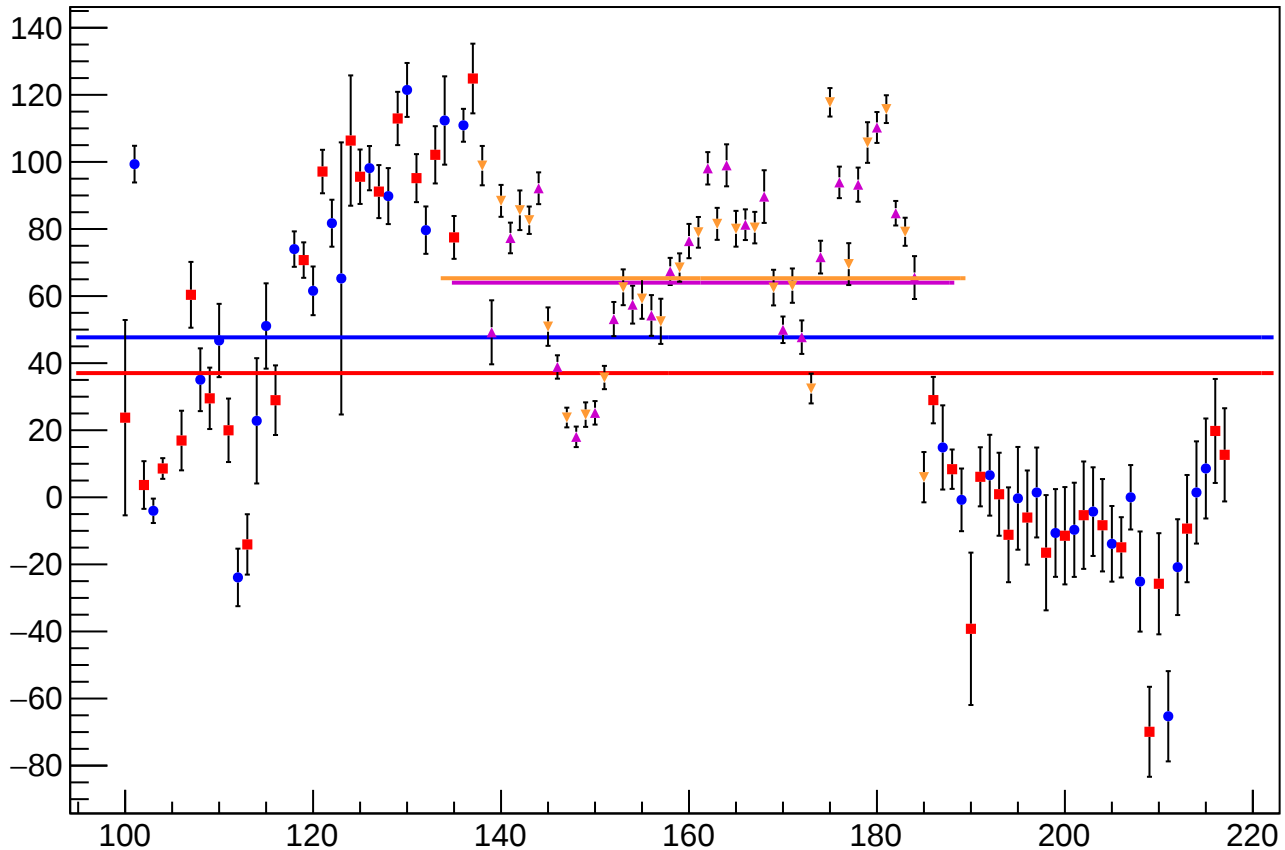
Left In: 269.191 $\pm$ 1.091 χ^2 /NDF:3170.2/22

+ sign 277.960 $\pm$ 0.865 χ^2 /NDF: 12974.5/56

All: 283.487 $\pm$ 0.592 χ^2 /NDF: 31320.9/115

- sign 288.346 $\pm$ 0.811 χ^2 /NDF: 18269.7/58

reg_asym_atl1r2_avg_diff_bpm4eY_slope vs Slug



Right In: 47.694 $\pm$ 1.506 χ^2 /NDF: 1102.6/31

Left Out: 65.323 $\pm$ 0.935 χ^2 /NDF:1007.1/24

Right Out: 37.035 $\pm$ 1.408 χ^2 /NDF: 964.1/35

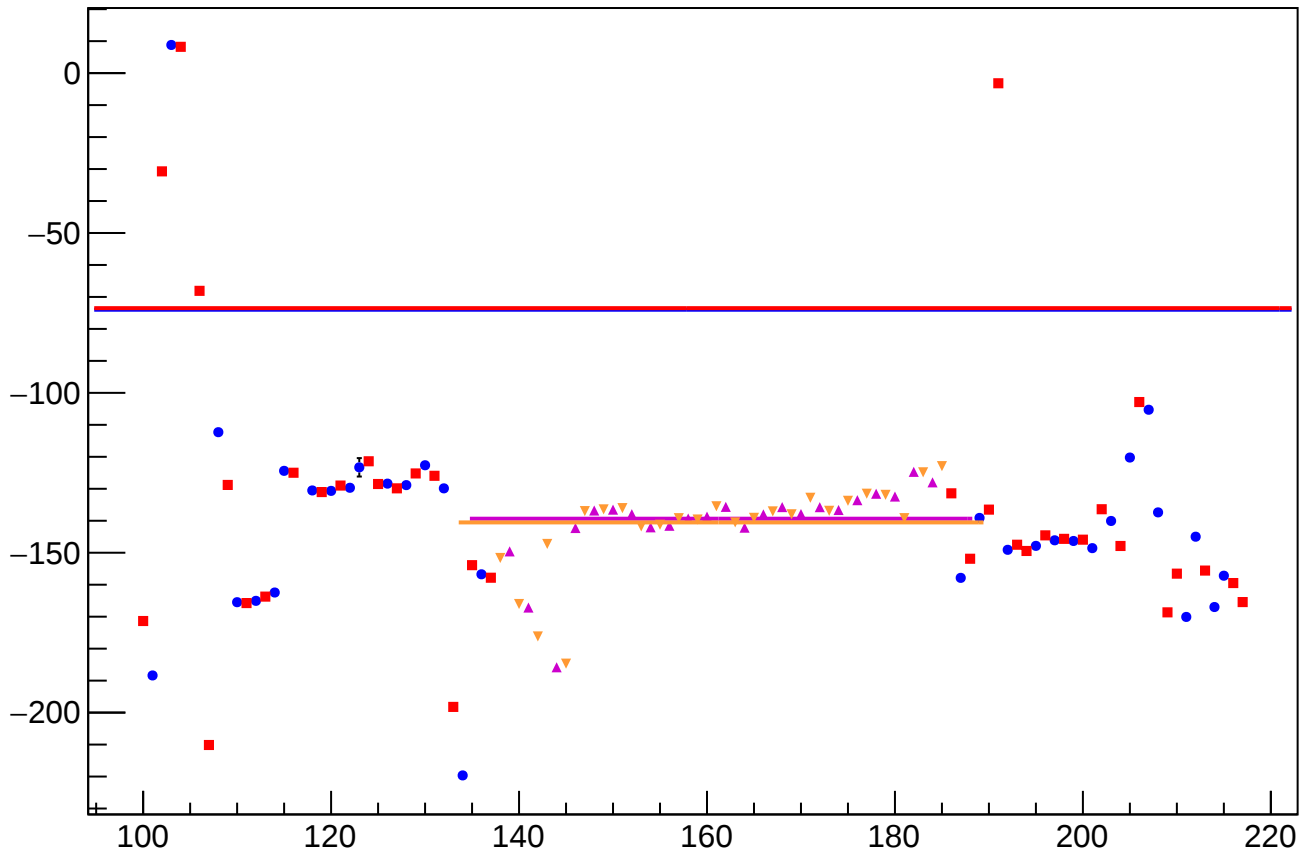
Left In: 63.999 $\pm$ 0.963 χ^2 /NDF:799.5/22

+ sign 60.421 $\pm$ 0.794 χ^2 /NDF: 2208.7/56

All: 57.918 $\pm$ 0.562 χ^2 /NDF: 4241.9/115

- sign 55.410 $\pm$ 0.795 χ^2 /NDF: 2013.4/58

reg_asym_atl1r2_avg_diff_bpm12X_slope vs Slug



Right In: -73.999 ± 0.062 $\chi^2/\text{NDF}: 1609377.3/31$

Left Out: -140.519 ± 0.045 $\chi^2/\text{NDF}: 77489.0/24$

Right Out: -73.508 ± 0.060 $\chi^2/\text{NDF}: 1458157.4/35$

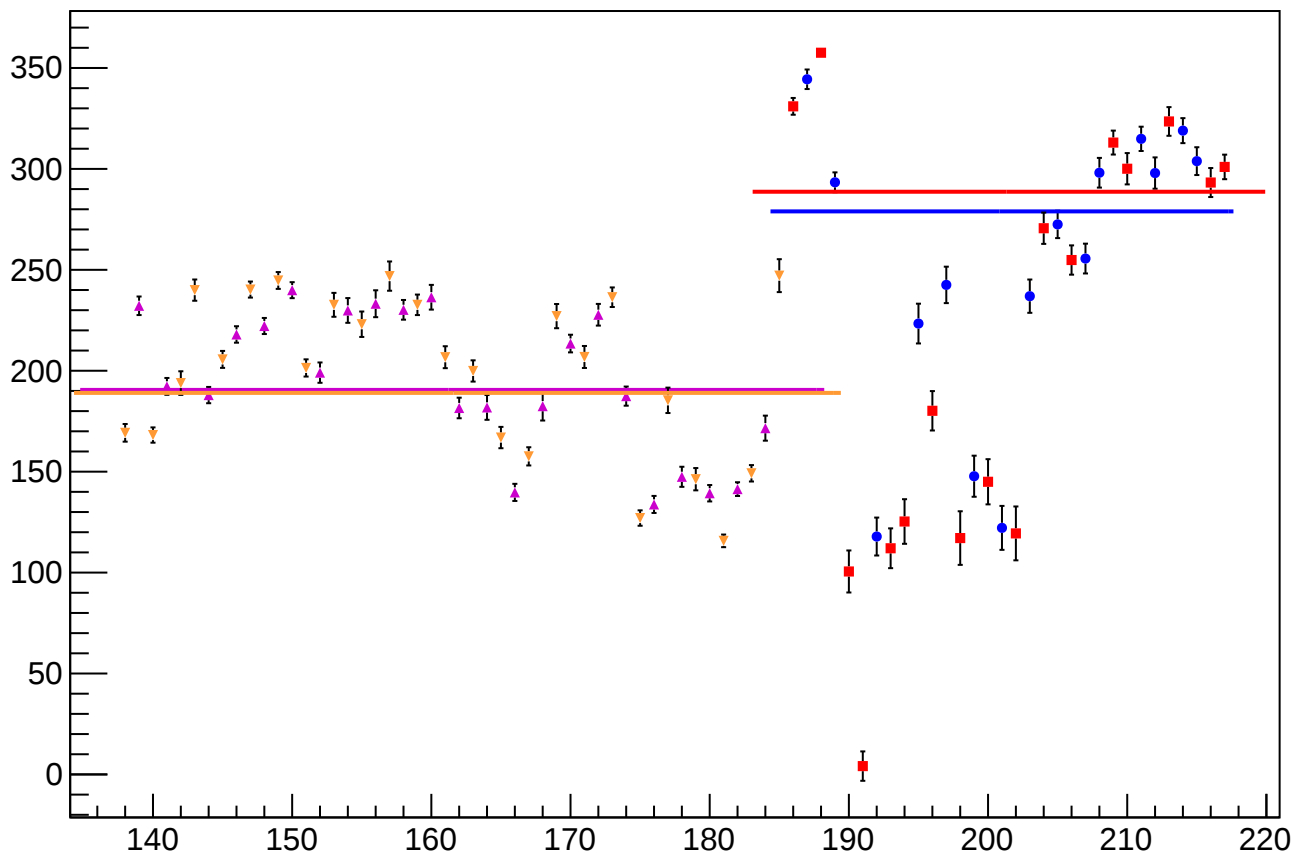
Left In: -139.360 ± 0.045 $\chi^2/\text{NDF}: 62449.0/22$

+ sign -117.638 ± 0.036 $\chi^2/\text{NDF}: 2453615.8/56$

All: -116.610 ± 0.025 $\chi^2/\text{NDF}: 4748580.5/11$

- sign -115.587 ± 0.036 $\chi^2/\text{NDF}: 2293344.6/58$

reg_asym_atl1r2_dd_diff_bpm1X_slope vs Slug



Right In: 278.951 ± 1.824 $\chi^2/\text{NDF}: 1047.4/14$

Left Out: 189.030 ± 0.956 $\chi^2/\text{NDF}: 1980.9/24$

Right Out: 288.690 ± 1.507 $\chi^2/\text{NDF}: 3945.1/16$

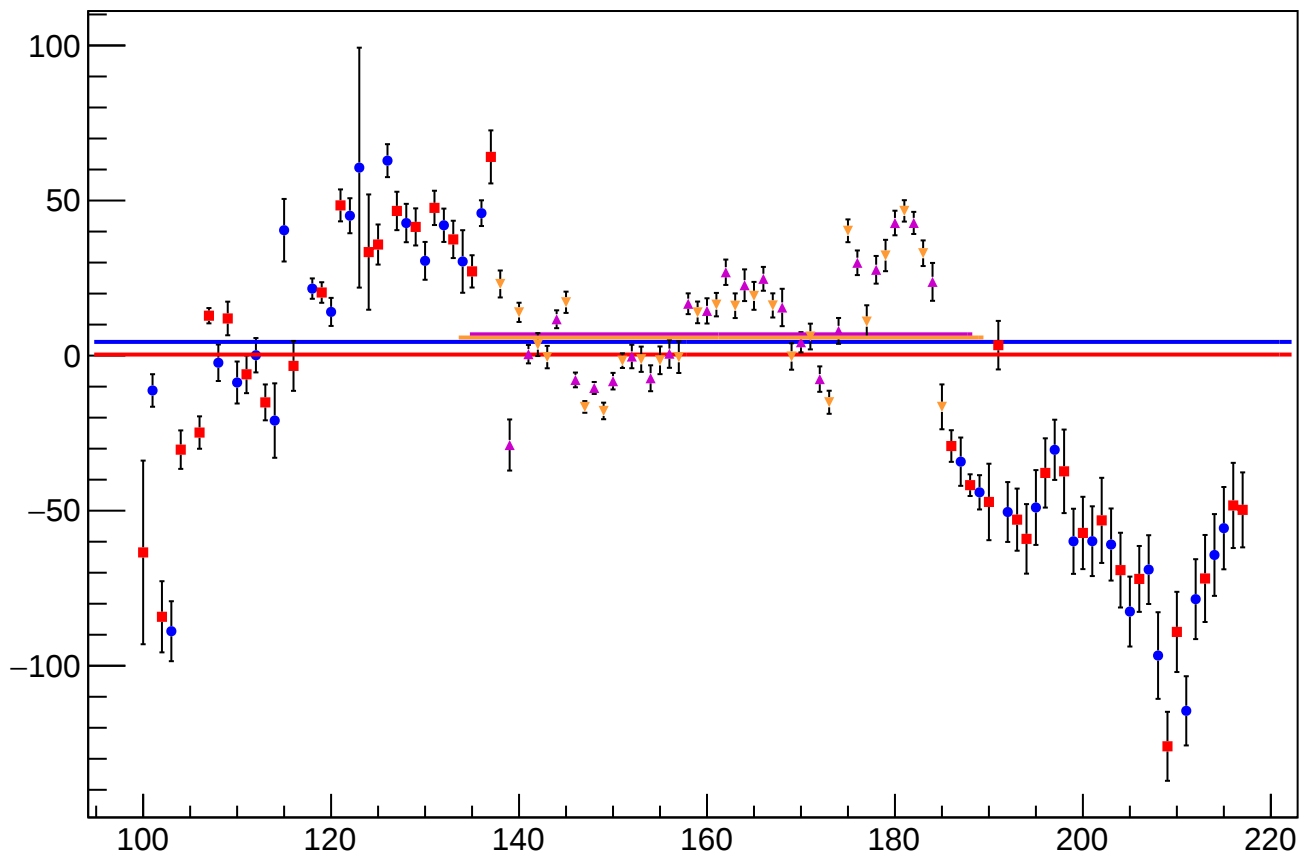
Left In: 190.506 ± 0.975 $\chi^2/\text{NDF}: 1412.7/22$

+ sign 208.411 ± 0.847 $\chi^2/\text{NDF}: 4935.7/39$

All: 214.136 ± 0.589 $\chi^2/\text{NDF}: 13374.8/79$

- sign 219.488 ± 0.819 $\chi^2/\text{NDF}: 8350.7/39$

reg_asym_atl1r2_dd_diff_bpm4aY_slope vs Slug



Right In: 4.421 ± 1.231 $\chi^2/\text{NDF}: 1170.8/31$

Left Out: 5.834 ± 0.712 $\chi^2/\text{NDF}: 652.2/24$

Right Out: 0.341 ± 1.056 $\chi^2/\text{NDF}: 1220.0/35$

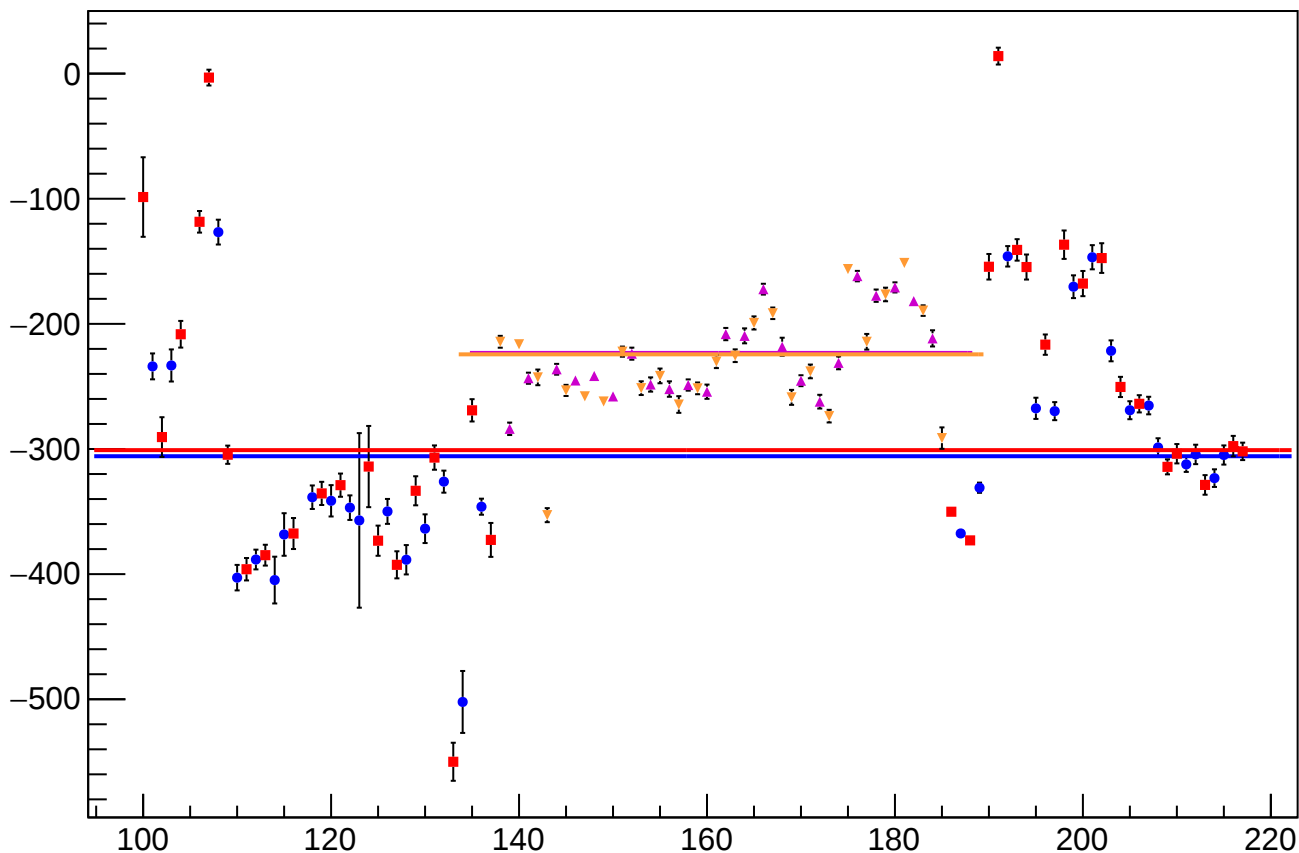
Left In: 6.862 ± 0.736 $\chi^2/\text{NDF}: 522.7/22$

+ sign 5.480 ± 0.617 $\chi^2/\text{NDF}: 1824.0/56$

All: 5.097 ± 0.431 $\chi^2/\text{NDF}: 3593.2/115$

- sign 4.729 ± 0.604 $\chi^2/\text{NDF}: 1768.4/58$

reg_asym_atl1r2_dd_diff_bpm4eX_slope vs Slug



Right In: -305.782 ± 1.417 $\chi^2/\text{NDF}: 2257.0/31$

Left Out: -224.364 ± 0.956 $\chi^2/\text{NDF}: 2103.2/24$

Right Out: -300.909 ± 1.154 $\chi^2/\text{NDF}: 8677.8/35$

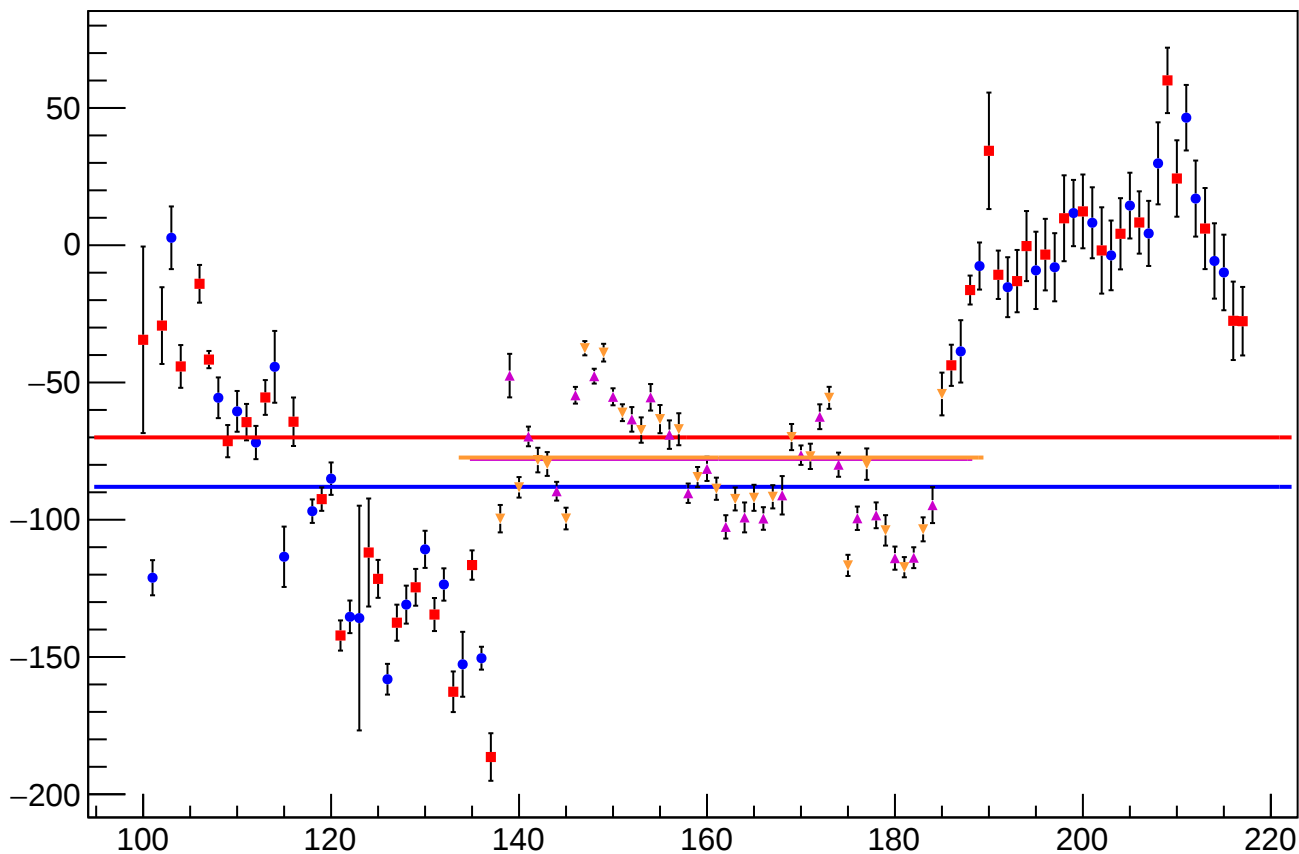
Left In: -223.223 ± 0.969 $\chi^2/\text{NDF}: 1269.3/22$

+ sign -249.822 ± 0.793 $\chi^2/\text{NDF}: 6628.0/56$

All: -252.764 ± 0.542 $\chi^2/\text{NDF}: 19257.5/115$

- sign -255.344 ± 0.742 $\chi^2/\text{NDF}: 12603.7/58$

reg_asym_atl1r2_dd_diff_bpm4eY_slope vs Slug



Right In: -88.012 ± 1.426 χ^2/NDF : 1553.8/31

Left Out: -77.343 ± 0.827 χ^2/NDF : 846.2/24

Right Out: -70.001 ± 1.260 χ^2/NDF : 1776.0/35

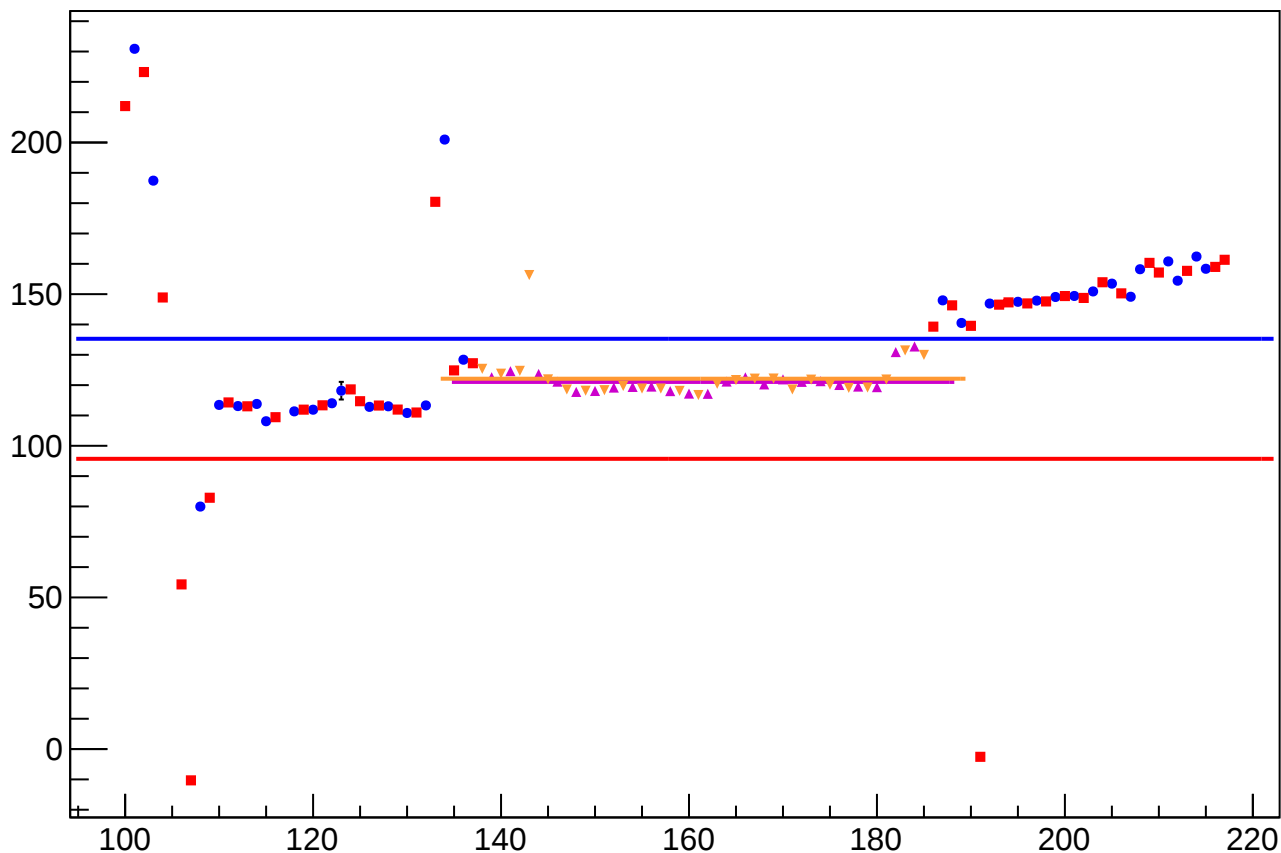
Left In: -77.838 ± 0.849 χ^2/NDF : 622.8/22

+ sign -80.027 ± 0.715 χ^2/NDF : 2441.9/56

All: -77.673 ± 0.502 χ^2/NDF : 4888.7/115

- sign -75.392 ± 0.704 χ^2/NDF : 2425.5/58

reg_asym_atl1r2_dd_diff_bpm12X_slope vs Slug



Right In: 135.282 $\pm$ 0.072 χ^2 /NDF: 211762.4/31

Left Out: 122.119 $\pm$ 0.039 χ^2 /NDF:30480.7/24

Right Out: 95.705 $\pm$ 0.061 χ^2 /NDF: 1175412.5/35

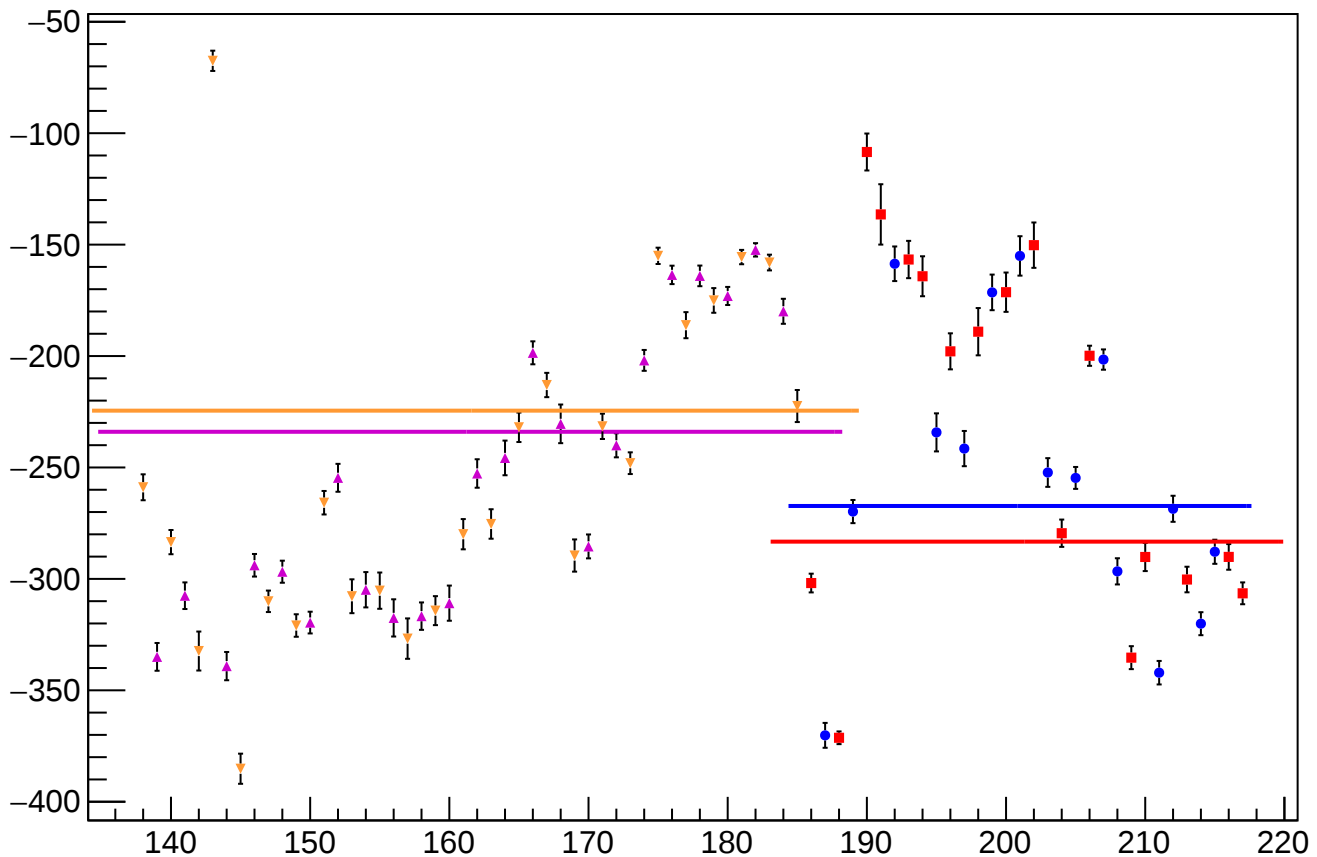
Left In: 121.055 $\pm$ 0.040 χ^2 /NDF:7931.6/22

+ sign 125.144 $\pm$ 0.035 χ^2 /NDF: 267878.9/56

All: 119.112 $\pm$ 0.024 χ^2 /NDF: 1630872.8/115

- sign 113.517 $\pm$ 0.033 χ^2 /NDF: 1304366.9/58

reg_asym_atr1l2_avg_diff_bpm1X_slope vs Slug



Right In: -267.278 ± 1.537 $\chi^2/\text{NDF}: 1432.1/14$

Left Out: -224.501 ± 1.079 $\chi^2/\text{NDF}: 4870.6/24$

Right Out: -283.282 ± 1.396 $\chi^2/\text{NDF}: 2939.1/16$

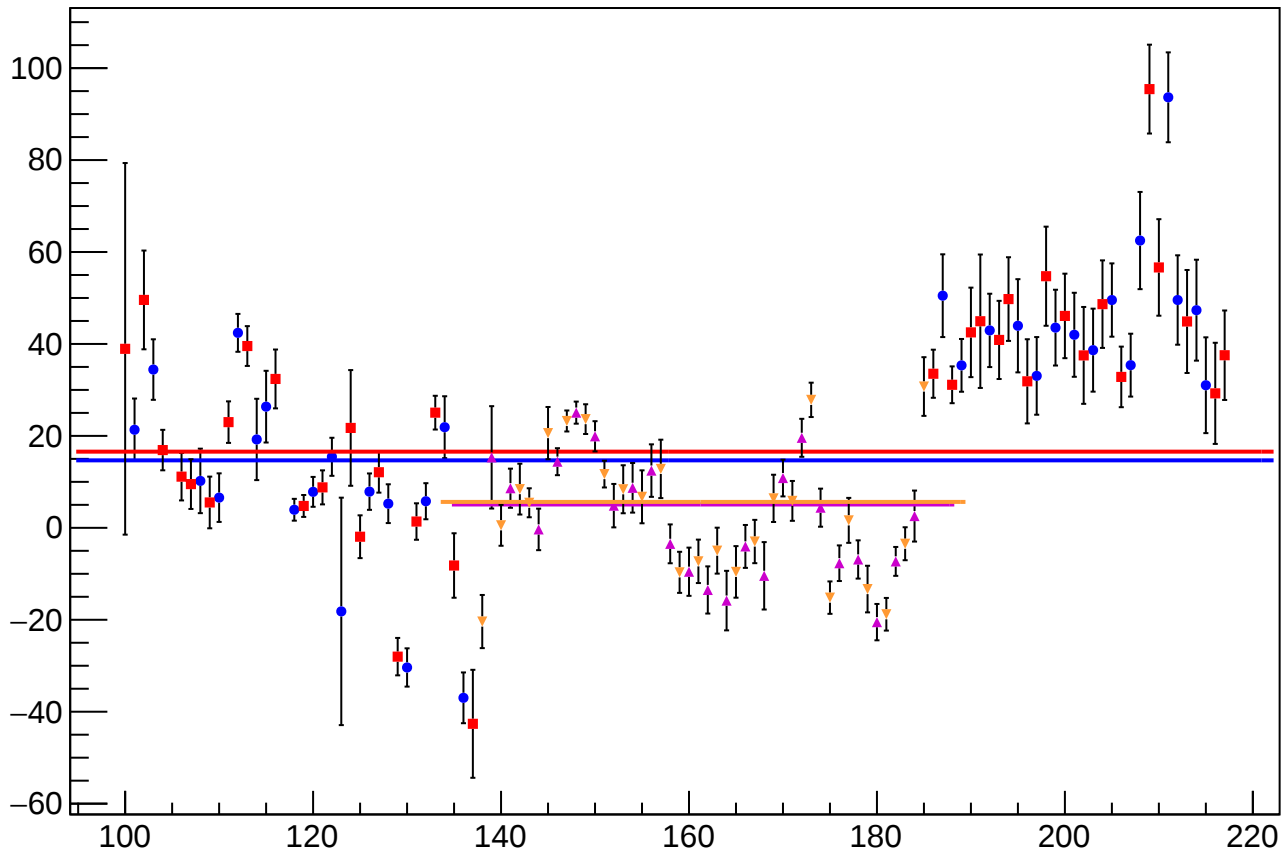
Left In: -233.988 ± 1.109 $\chi^2/\text{NDF}: 3538.4/22$

+ sign -238.628 ± 0.883 $\chi^2/\text{NDF}: 6821.7/39$

All: -245.966 ± 0.619 $\chi^2/\text{NDF}: 14199.8/79$

- sign -253.056 ± 0.868 $\chi^2/\text{NDF}: 7242.4/39$

reg_asym_atr1l2_avg_diff_bpm4aY_slope vs Slug



Right In: 14.678 ± 0.988 $\chi^2/\text{NDF}: 527.0/31$

Left Out: 5.638 ± 0.828 $\chi^2/\text{NDF}: 313.6/24$

Right Out: 16.572 ± 0.940 $\chi^2/\text{NDF}: 473.3/35$

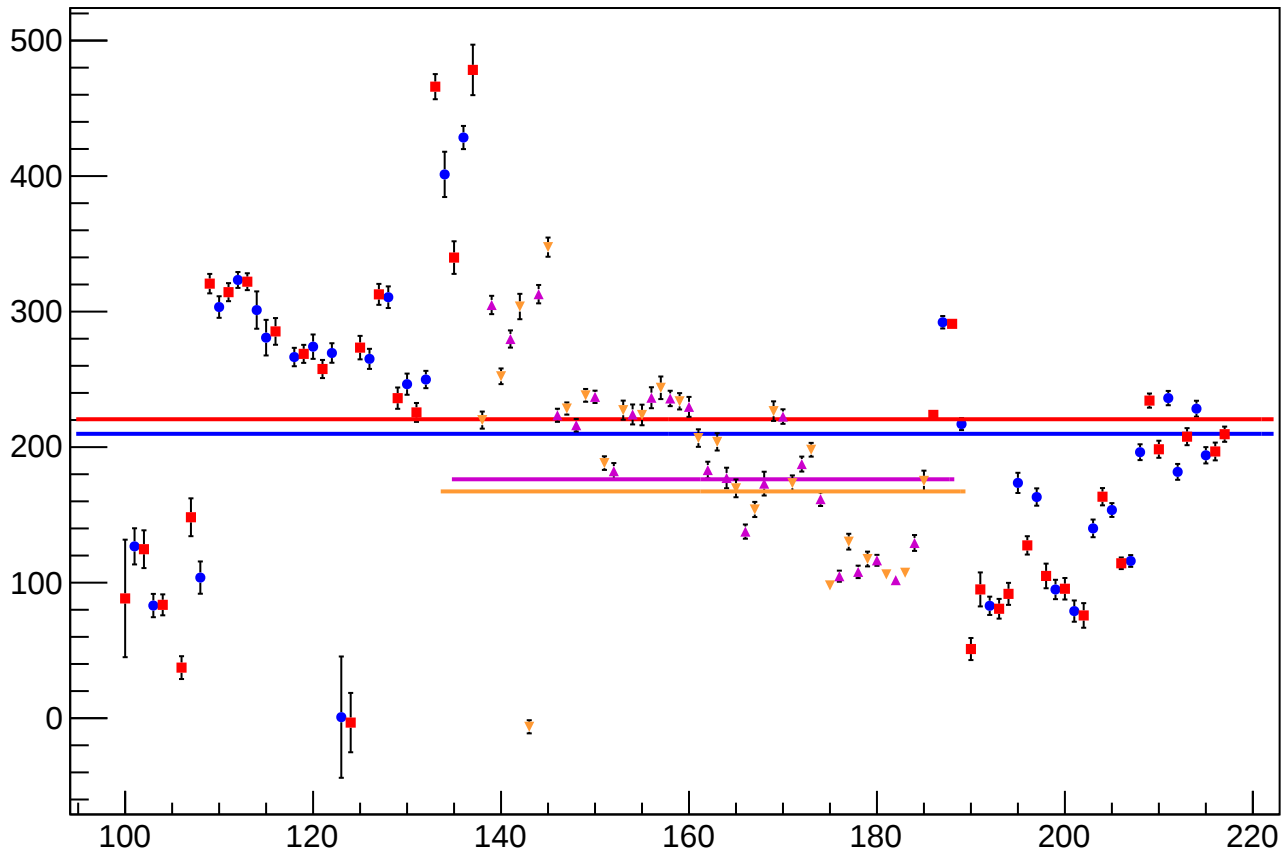
Left In: 5.077 ± 0.869 $\chi^2/\text{NDF}: 239.7/22$

+ sign 9.367 ± 0.635 $\chi^2/\text{NDF}: 889.8/56$

All: 9.867 ± 0.450 $\chi^2/\text{NDF}: 1684.6/115$

- sign 10.372 ± 0.638 $\chi^2/\text{NDF}: 793.6/58$

reg_asym_atr1l2_avg_diff_bpm4eX_slope vs Slug



Right In: 209.822 $\pm$ 1.201 χ^2 /NDF: 4260.8/31

Left Out: 167.327 $\pm$ 1.082 χ^2 /NDF: 4454.5/24

Right Out: 220.580 $\pm$ 1.072 χ^2 /NDF: 6613.7/35

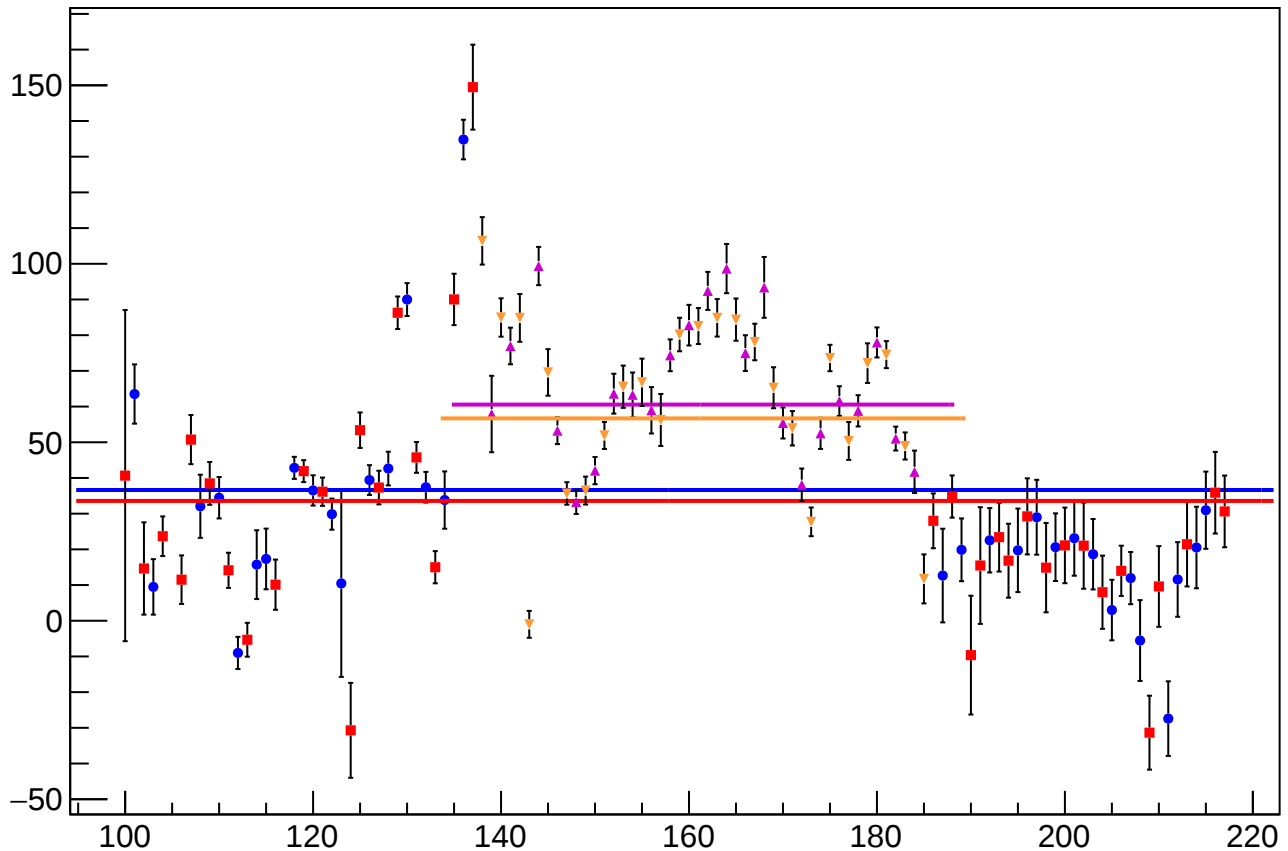
Left In: 176.272 $\pm$ 1.106 χ^2 /NDF: 3169.5/22

+ sign 186.373 $\pm$ 0.804 χ^2 /NDF: 9405.9/56

All: 193.027 $\pm$ 0.556 χ^2 /NDF: 20148.4/115

- sign 199.120 $\pm$ 0.770 χ^2 /NDF: 10611.3/58

reg_asym_atr1l2_avg_diff_bpm4eY_slope vs Slug



Right In: 36.629 ± 1.142 χ^2/NDF : 698.9/31

Left Out: 56.695 ± 0.952 χ^2/NDF : 690.4/24

Right Out: 33.566 ± 1.098 χ^2/NDF : 555.6/35

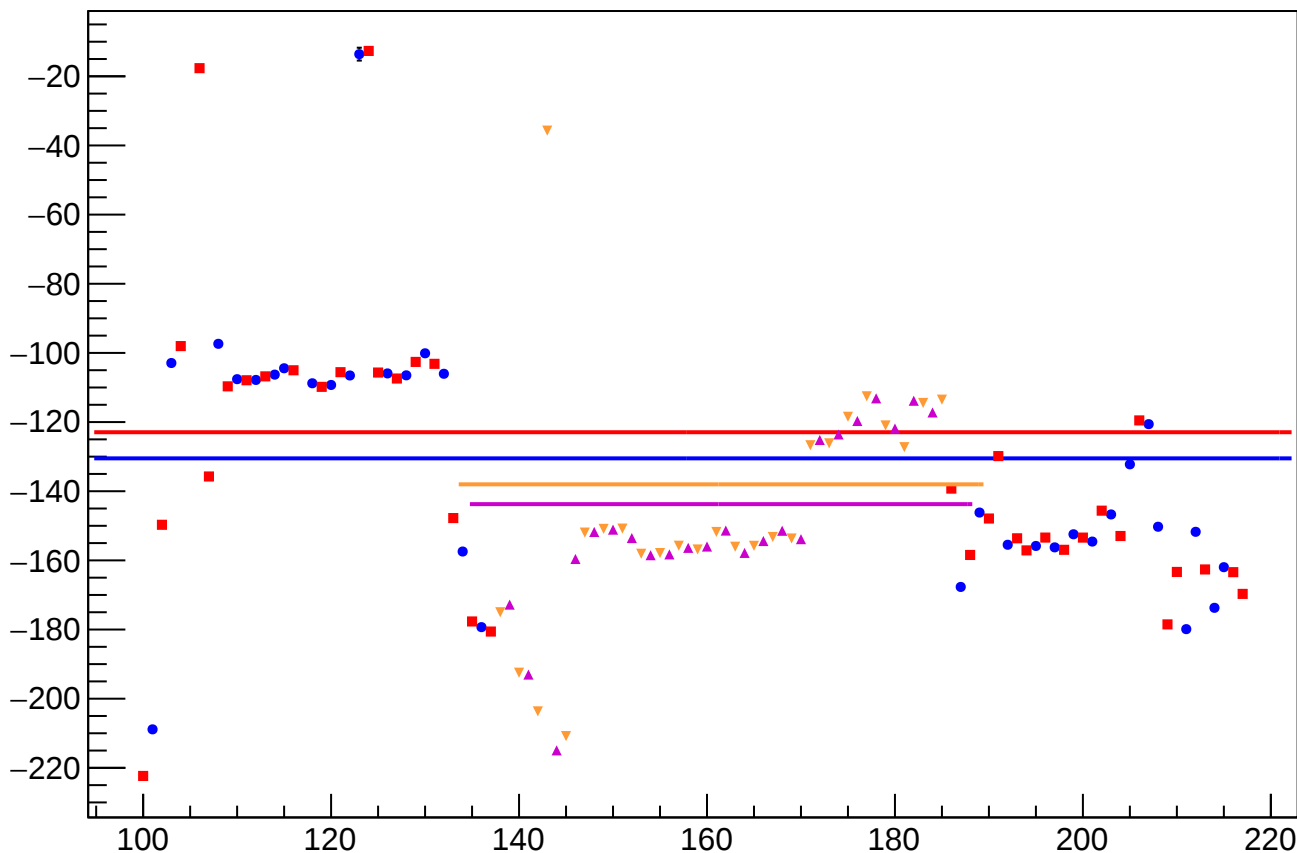
Left In: 60.555 ± 0.990 χ^2/NDF : 335.6/22

+ sign 48.473 ± 0.731 χ^2/NDF : 1571.4/56

All: 48.463 ± 0.519 χ^2/NDF : 2795.9/115

- sign 48.453 ± 0.735 χ^2/NDF : 1224.4/58

reg_asym_atr1l2_avg_diff_bpm12X_slope vs Slug



Right In: -130.496 ± 0.061 χ^2/NDF : 229377.0/31

Left Out: -138.008 ± 0.045 χ^2/NDF : 565767.2/24

Right Out: -122.939 ± 0.057 χ^2/NDF : 490752.3/35

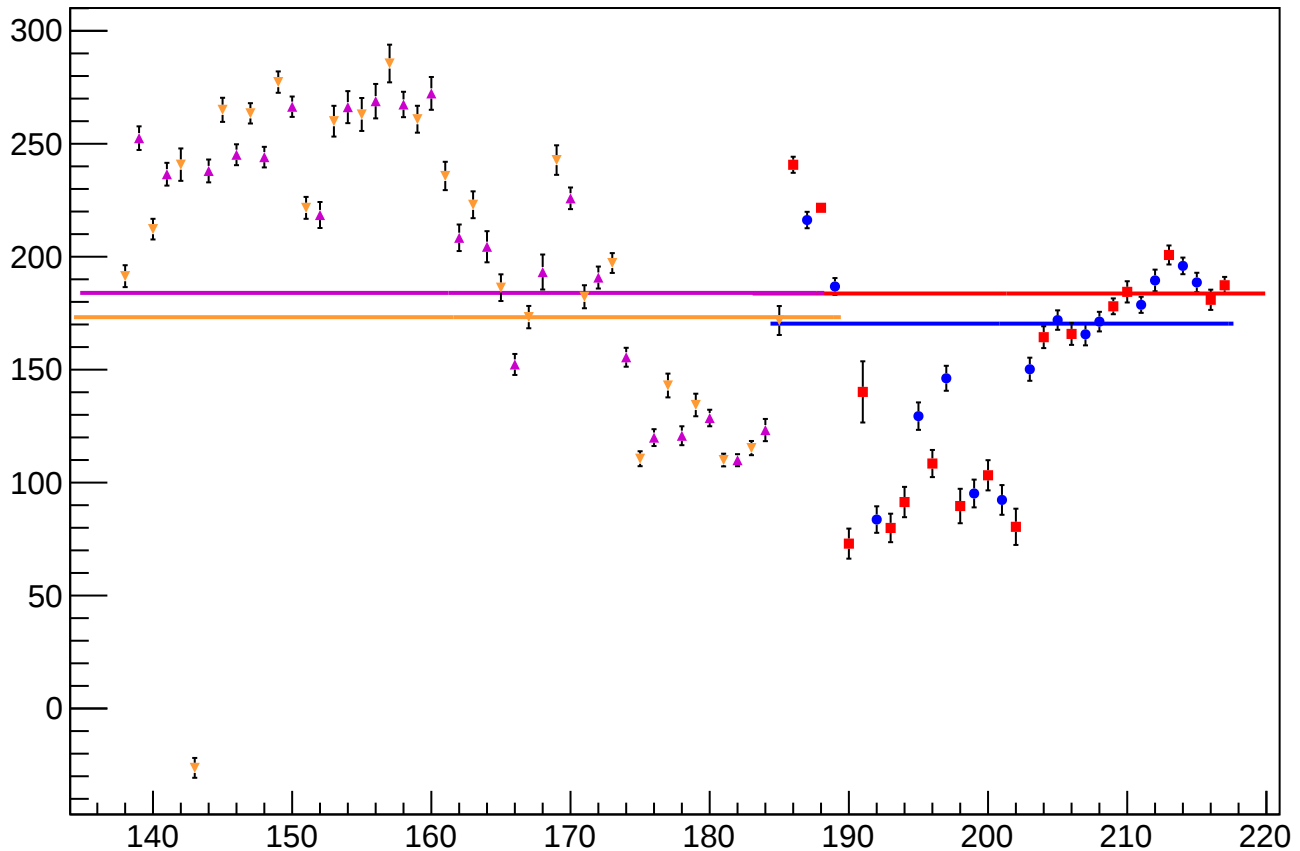
Left In: -143.735 ± 0.046 χ^2/NDF : 258408.3/22

+ sign -135.340 ± 0.036 χ^2/NDF : 804986.1/56

All: -135.445 ± 0.026 χ^2/NDF : 1634287.0/11

- sign -135.548 ± 0.036 χ^2/NDF : 829284.4/58

reg_asym_atr1l2_dd_diff_bpm1X_slope vs Slug



Right In: 170.378 ± 1.175 χ^2/NDF : 857.1/14

Left Out: 173.229 ± 0.966 χ^2/NDF : 5846.0/24

Right Out: 183.713 ± 1.044 χ^2/NDF : 2087.8/16

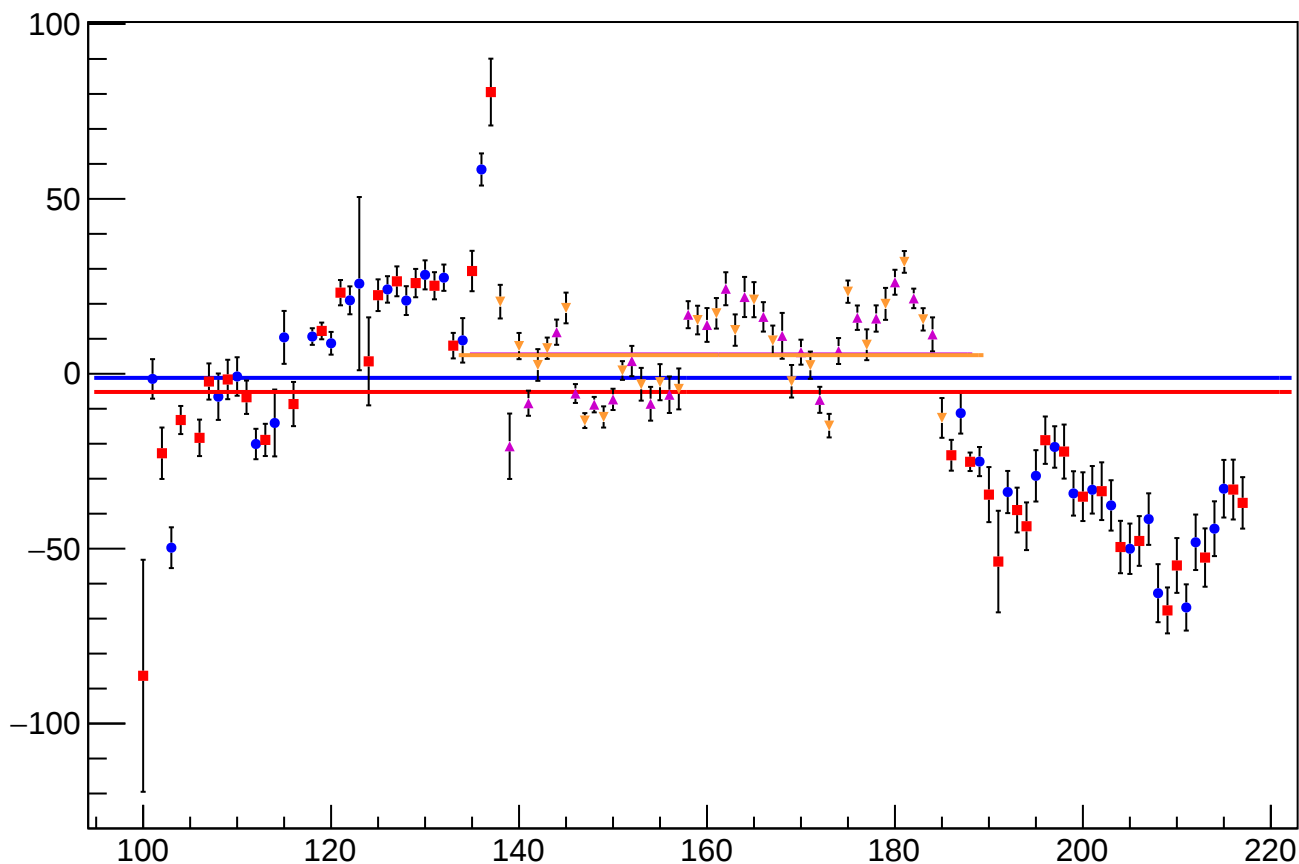
Left In: 183.984 ± 0.991 χ^2/NDF : 3613.7/22

+ sign 172.080 ± 0.746 χ^2/NDF : 6706.6/39

All: 178.186 ± 0.518 χ^2/NDF : 12537.3/79

- sign 183.856 ± 0.719 χ^2/NDF : 5701.5/39

reg_asym_atr1l2_dd_diff_bpm4aY_slope vs Slug



Right In: -1.173 ± 0.908 χ^2/NDF : 987.8/31

Left Out: 5.321 ± 0.747 χ^2/NDF : 345.5/24

Right Out: -5.201 ± 0.855 χ^2/NDF : 950.5/35

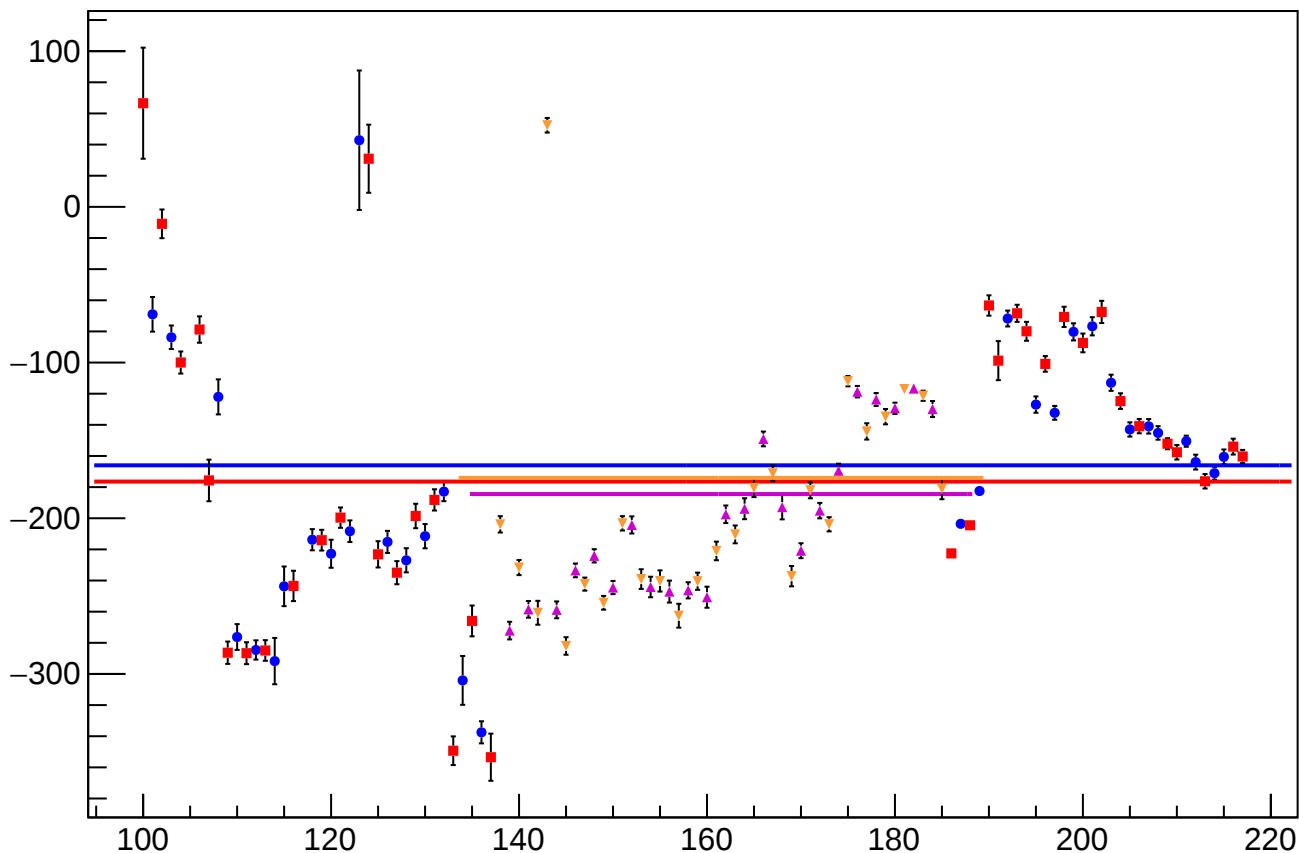
Left In: 5.527 ± 0.781 χ^2/NDF : 256.3/22

+ sign 2.699 ± 0.577 χ^2/NDF : 1363.8/56

All: 1.672 ± 0.408 χ^2/NDF : 2662.8/115

- sign 0.647 ± 0.577 χ^2/NDF : 1292.6/58

reg_asym_atr1l2_dd_diff_bpm4eX_slope vs Slug



Right In: -166.009 ± 0.974 χ^2/NDF : 3143.0/31

Left Out: -174.061 ± 0.971 χ^2/NDF : 5443.3/24

Right Out: -176.458 ± 0.848 χ^2/NDF : 5019.8/35

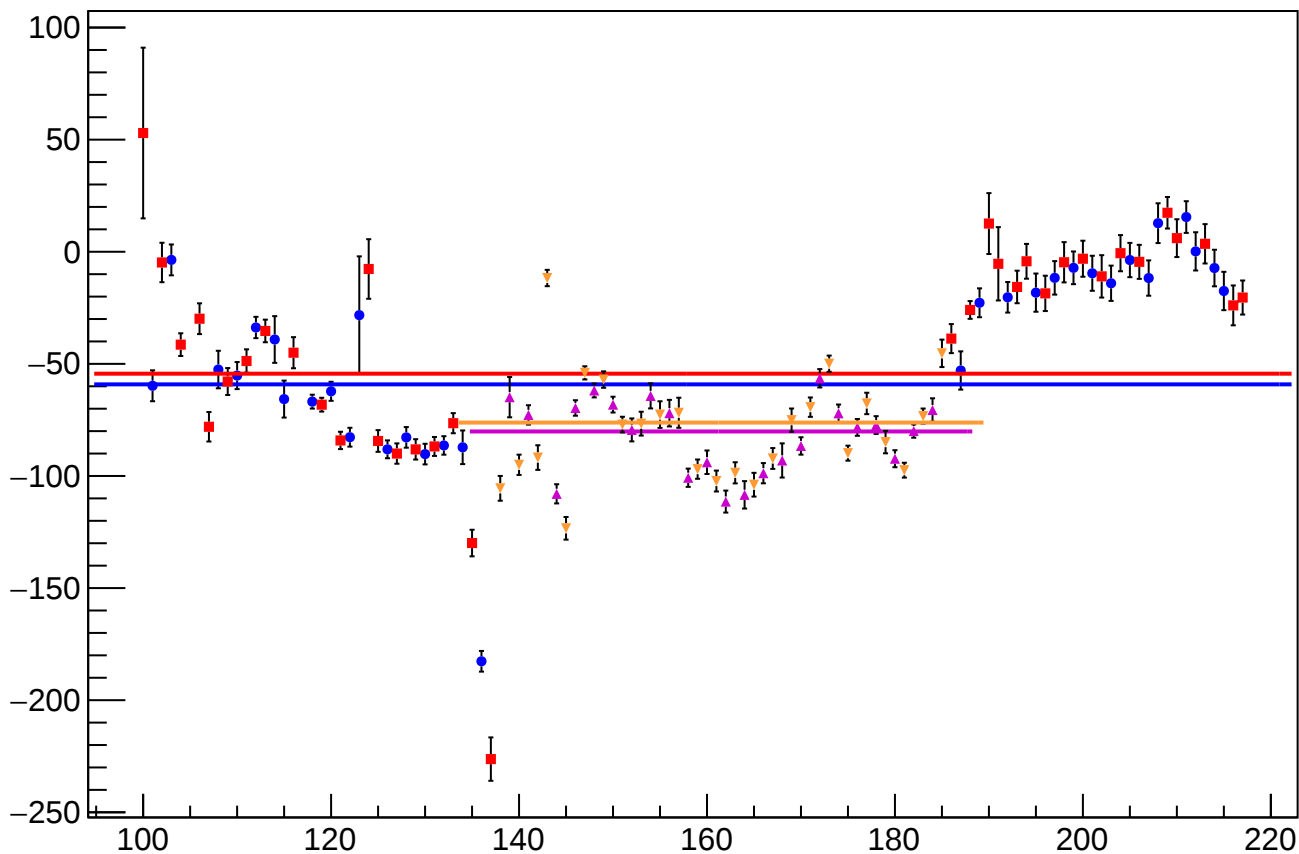
Left In: -184.456 ± 0.991 χ^2/NDF : 3051.6/22

+ sign -170.048 ± 0.688 χ^2/NDF : 8620.5/56

All: -175.263 ± 0.470 χ^2/NDF : 16837.5/115

- sign -179.841 ± 0.644 χ^2/NDF : 8109.0/58

reg_asym_atr1l2_dd_diff_bpm4eY_slope vs Slug



Right In: -59.142 ± 1.053 χ^2/NDF : 1668.7/31

Left Out: -76.182 ± 0.857 χ^2/NDF : 801.0/24

Right Out: -54.380 ± 1.009 χ^2/NDF : 1490.6/35

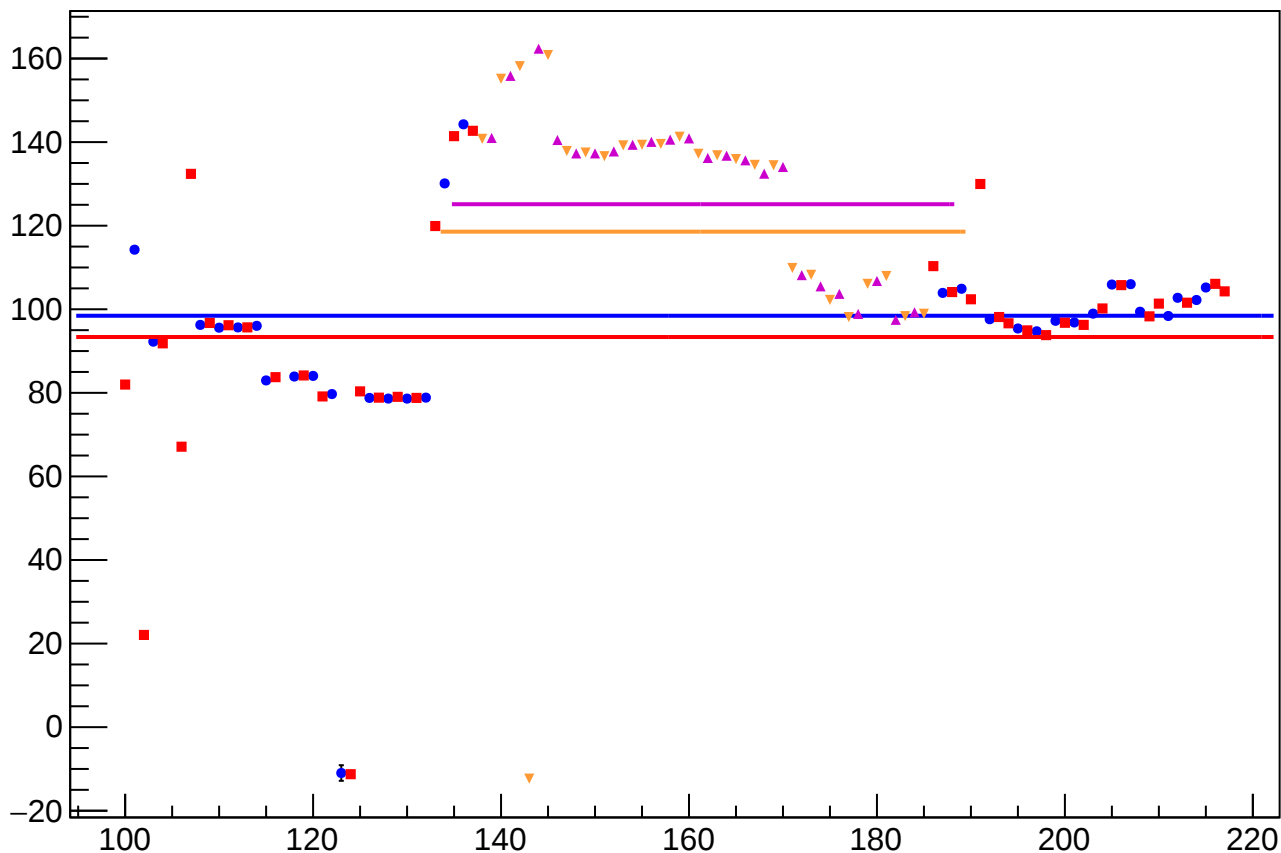
Left In: -80.149 ± 0.889 χ^2/NDF : 283.3/22

+ sign -69.389 ± 0.665 χ^2/NDF : 2627.2/56

All: -69.139 ± 0.471 χ^2/NDF : 4768.6/115

- sign -68.886 ± 0.667 χ^2/NDF : 2141.1/58

reg_asym_atr1l2_dd_diff_bpm12X_slope vs Slug



Right In: 98.448 $\pm$ 0.053 χ^2/NDF : 96529.7/31

Left Out: 118.569 $\pm$ 0.040 χ^2/NDF : 728689.7/24

Right Out: 93.361 $\pm$ 0.050 χ^2/NDF : 245552.8/35

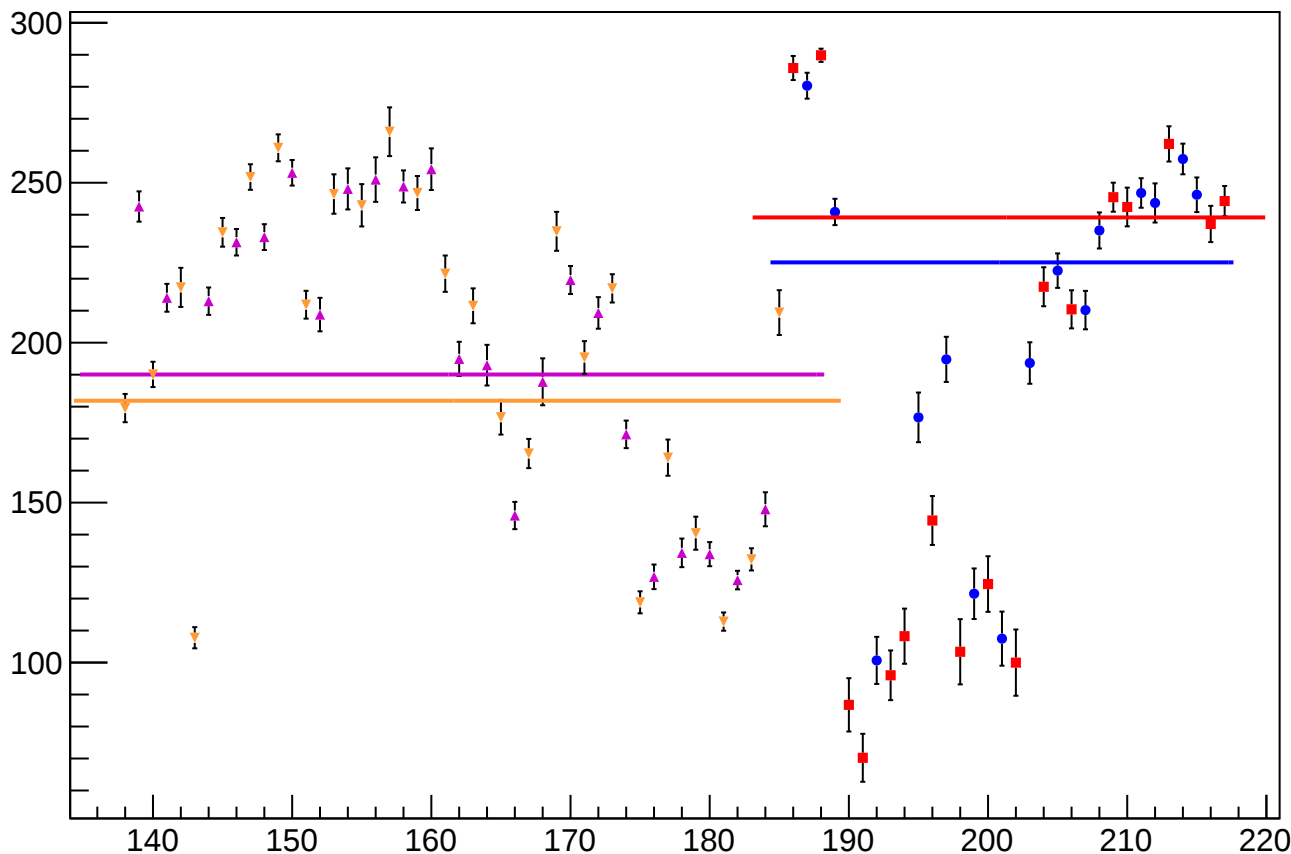
Left In: 125.139 $\pm$ 0.041 χ^2/NDF : 220927.1/22

+ sign 111.137 $\pm$ 0.032 χ^2/NDF : 916419.7/56

All: 111.654 $\pm$ 0.023 χ^2/NDF : 1625469.5/115

- sign 112.157 $\pm$ 0.032 χ^2/NDF : 708539.8/58

reg_asym_atl_dd_atr_dd_avg_diff_bpm1X_slope vs Slug



Right In: 225.098 $\pm$ 1.452 χ^2 /NDF: 1035.0/14

Left Out: 181.850 $\pm$ 0.913 χ^2 /NDF: 3303.4/24

Right Out: 239.153 $\pm$ 1.235 χ^2 /NDF: 2908.6/16

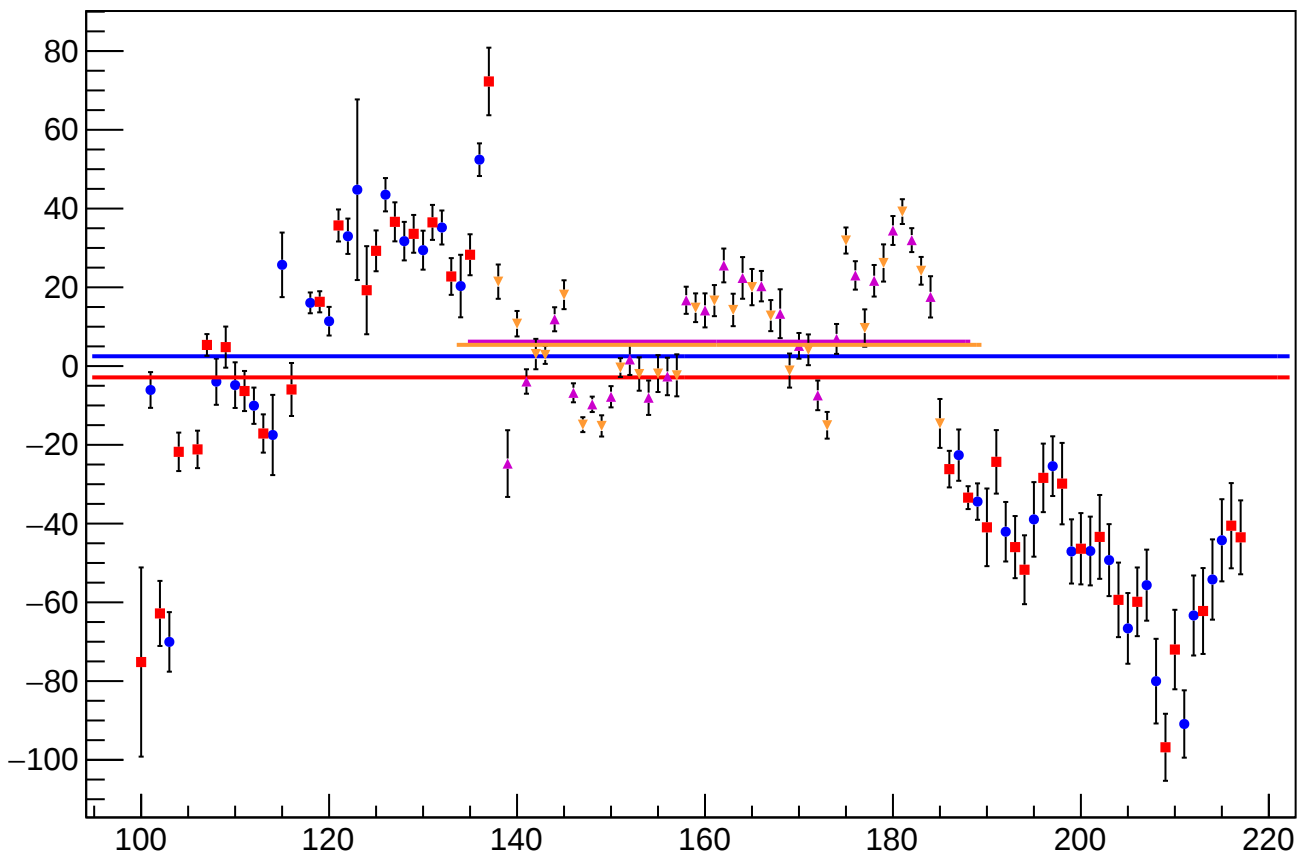
Left In: 190.048 $\pm$ 0.953 χ^2 /NDF: 2438.4/22

+ sign 194.107 $\pm$ 0.773 χ^2 /NDF: 4973.9/39

All: 201.415 $\pm$ 0.540 χ^2 /NDF: 11486.3/79

- sign 208.373 $\pm$ 0.754 χ^2 /NDF: 6338.0/39

reg_asym_atl_dd_atr_dd_avg_diff_bpm4aY_slope vs Slug



Right In: 2.489 $\pm$ 1.018 χ^2 /NDF: 1185.2/31

Left Out: 5.394 $\pm$ 0.688 χ^2 /NDF: 526.5/24

Right Out: -2.873 $\pm$ 0.917 χ^2 /NDF: 1217.0/35

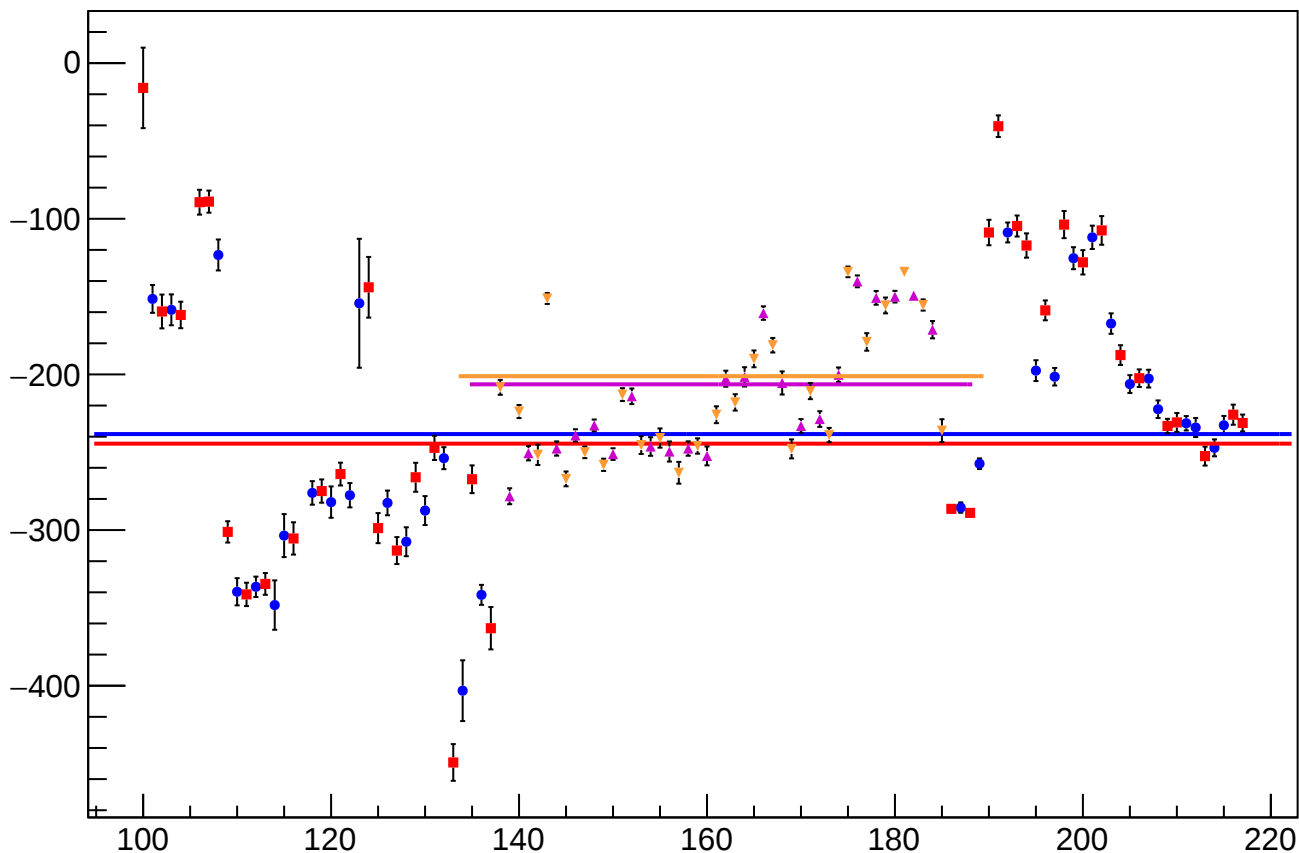
Left In: 6.206 $\pm$ 0.732 χ^2 /NDF: 407.5/22

+ sign 4.483 $\pm$ 0.570 χ^2 /NDF: 1717.3/56

All: 3.582 $\pm$ 0.404 χ^2 /NDF: 3406.8/115

- sign 2.675 $\pm$ 0.572 χ^2 /NDF: 1684.4/58

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eX_slope vs Slug



Right In: -238.328 ± 1.154 χ^2/NDF : 2707.0/31

Left Out: -201.144 ± 0.918 χ^2/NDF : 2488.8/24

Right Out: -244.481 ± 0.965 χ^2/NDF : 5851.8/35

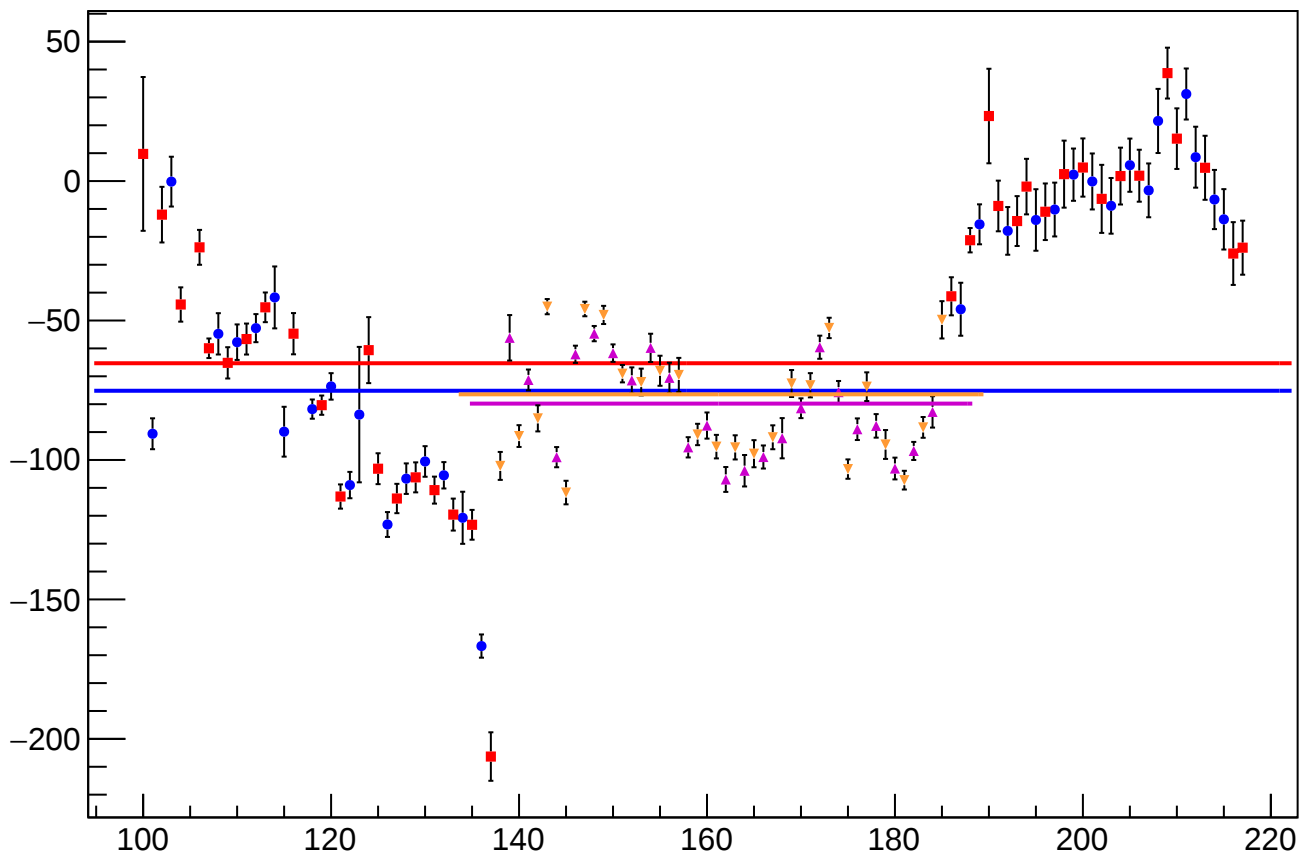
Left In: -206.379 ± 0.950 χ^2/NDF : 2111.6/22

+ sign -215.554 ± 0.718 χ^2/NDF : 5831.9/56

All: -220.620 ± 0.493 χ^2/NDF : 14681.1/115

- sign -225.120 ± 0.677 χ^2/NDF : 8755.3/58

reg_asym_atl_dd_atr_dd_avg_diff_bpm4eY_slope vs Slug



Right In: -75.184 $\pm$ 1.182 χ^2/NDF : 1732.7/31

Left Out: -76.460 $\pm$ 0.797 χ^2/NDF : 781.3/24

Right Out: -65.318 $\pm$ 1.089 χ^2/NDF : 1731.6/35

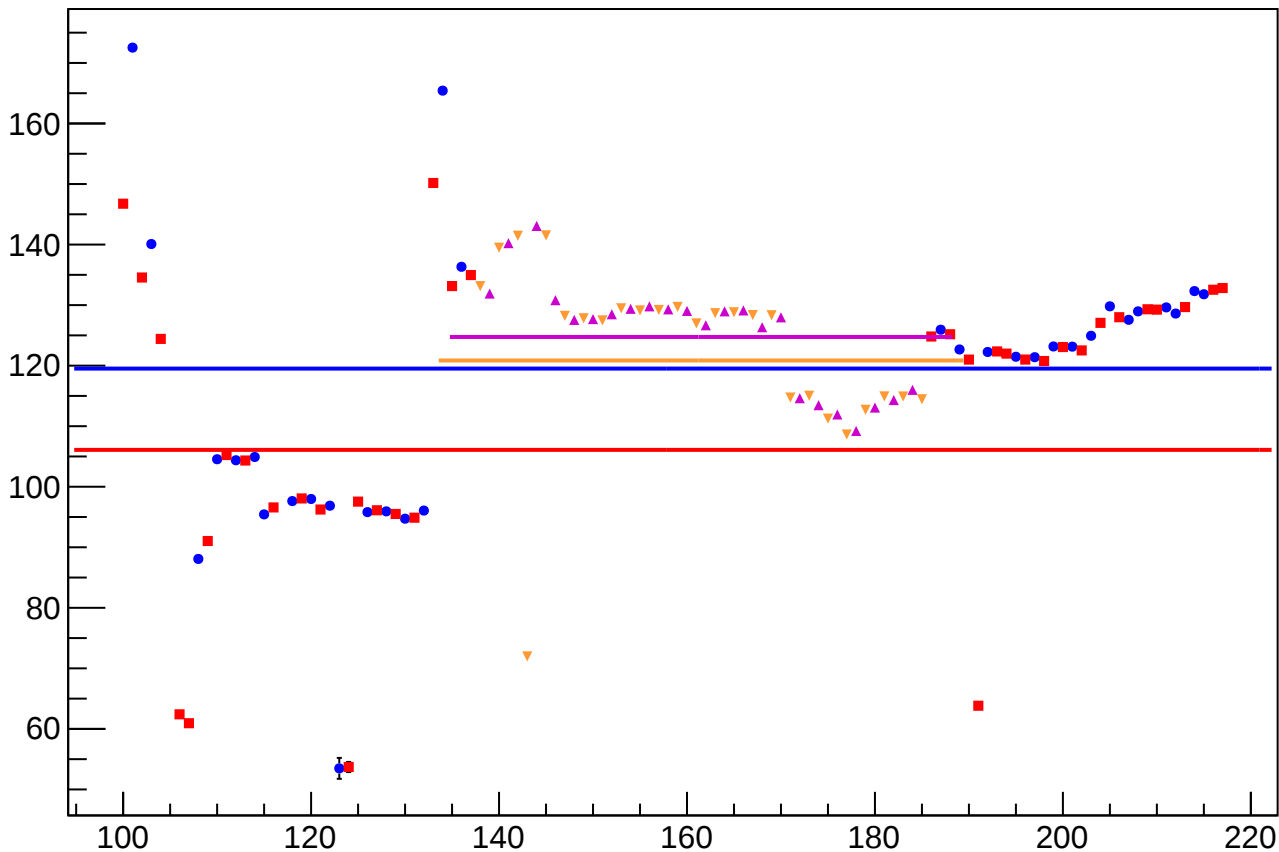
Left In: -79.792 $\pm$ 0.840 χ^2/NDF : 412.3/22

+ sign -76.061 $\pm$ 0.661 χ^2/NDF : 2514.8/56

All: -75.233 $\pm$ 0.469 χ^2/NDF : 4772.7/115

- sign -74.394 $\pm$ 0.665 χ^2/NDF : 2254.7/58

reg_asym_atl_dd_atr_dd_avg_diff_bpm12X_slope vs Slug



Right In: 119.516 $\pm$ 0.061 χ^2 /NDF: 111883.1/31

Left Out: 120.855 $\pm$ 0.038 χ^2 /NDF: 182759.1/24

Right Out: 106.088 $\pm$ 0.054 χ^2 /NDF: 254005.0/35

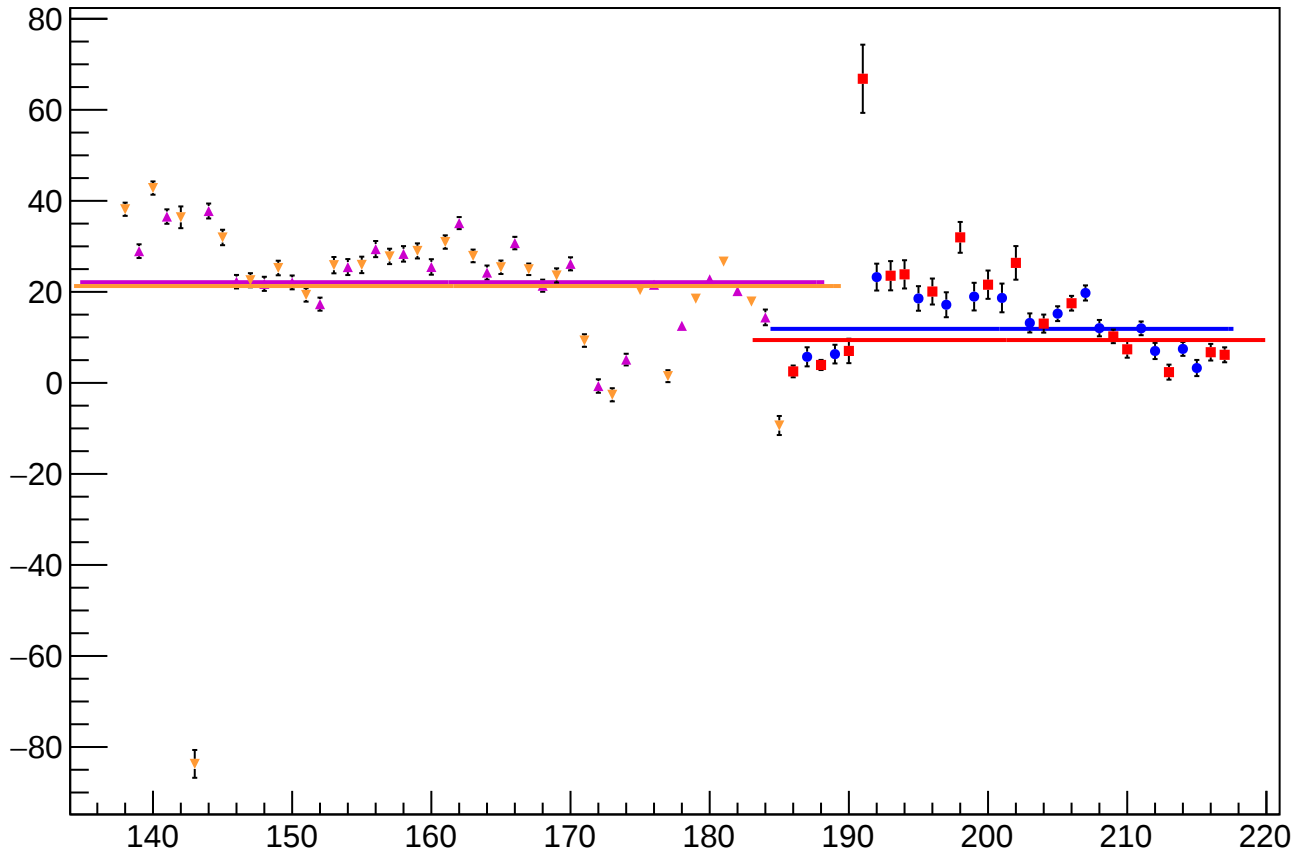
Left In: 124.738 $\pm$ 0.039 χ^2 /NDF: 51298.3/22

+ sign 120.478 $\pm$ 0.032 χ^2 /NDF: 294991.3/56

All: 119.334 $\pm$ 0.023 χ^2 /NDF: 681530.7/115

- sign 118.232 $\pm$ 0.032 χ^2 /NDF: 384070.5/58

reg_asym_atl_dd_atr_dd_dd_diff_bpm1X_slope vs Slug



Right In: 11.873+/-0.510 χ^2 /NDF: 117.1/14

Left Out: 21.282+/-0.282 χ^2 /NDF: 2600.5/24

Right Out: 9.414+/-0.468 χ^2 /NDF: 301.8/16

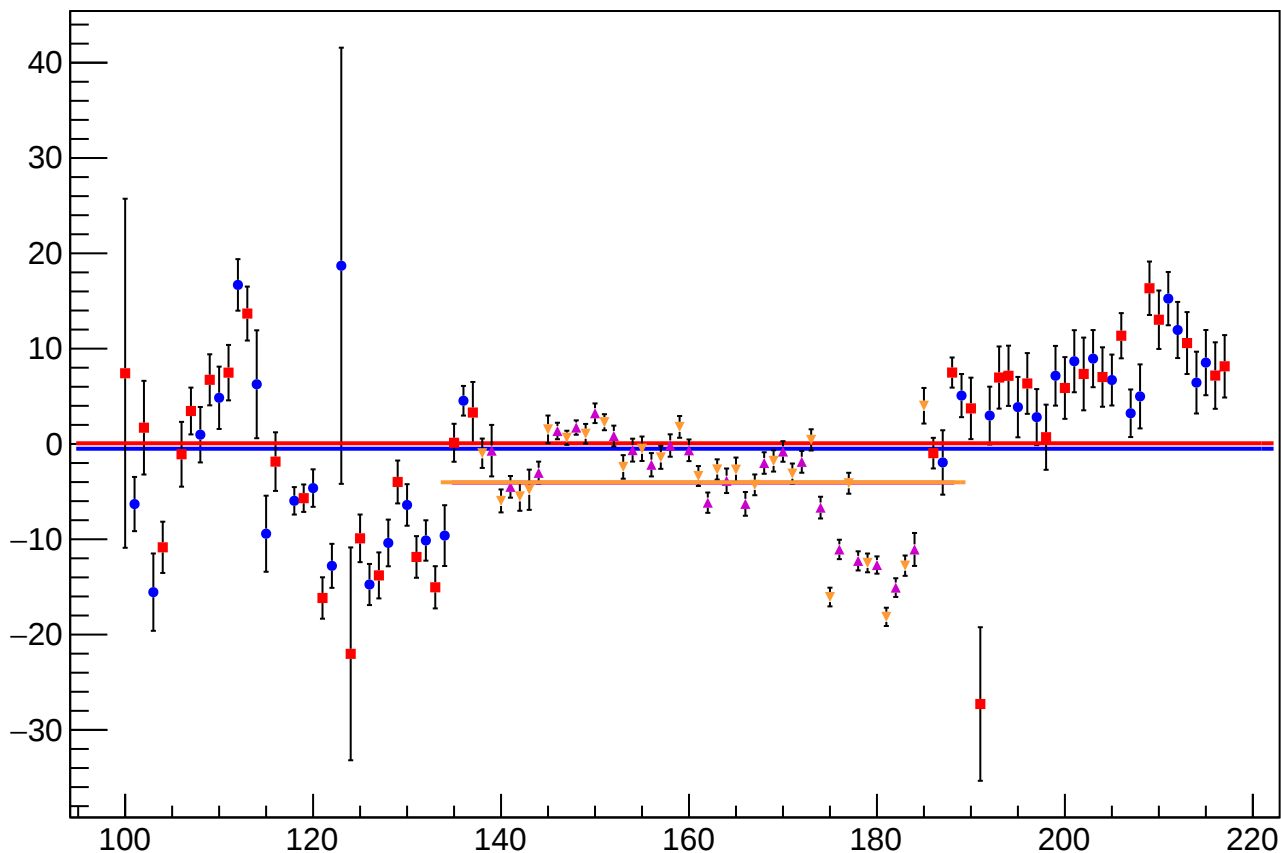
Left In: 22.127+/-0.285 χ^2 /NDF: 900.2/22

+ sign 19.076+/-0.247 χ^2 /NDF: 2977.7/39

All: 18.877+/-0.174 χ^2 /NDF: 4718.1/79

- sign 18.683+/-0.244 χ^2 /NDF: 1739.1/39

reg_asym_atl_dd_atr_dd_dd_diff_bpm4aY_slope vs Slug



Right In: -0.502 ± 0.466 χ^2/NDF : 329.9/31

Left Out: -4.022 ± 0.223 χ^2/NDF : 734.1/24

Right Out: 0.070 ± 0.441 χ^2/NDF : 415.7/35

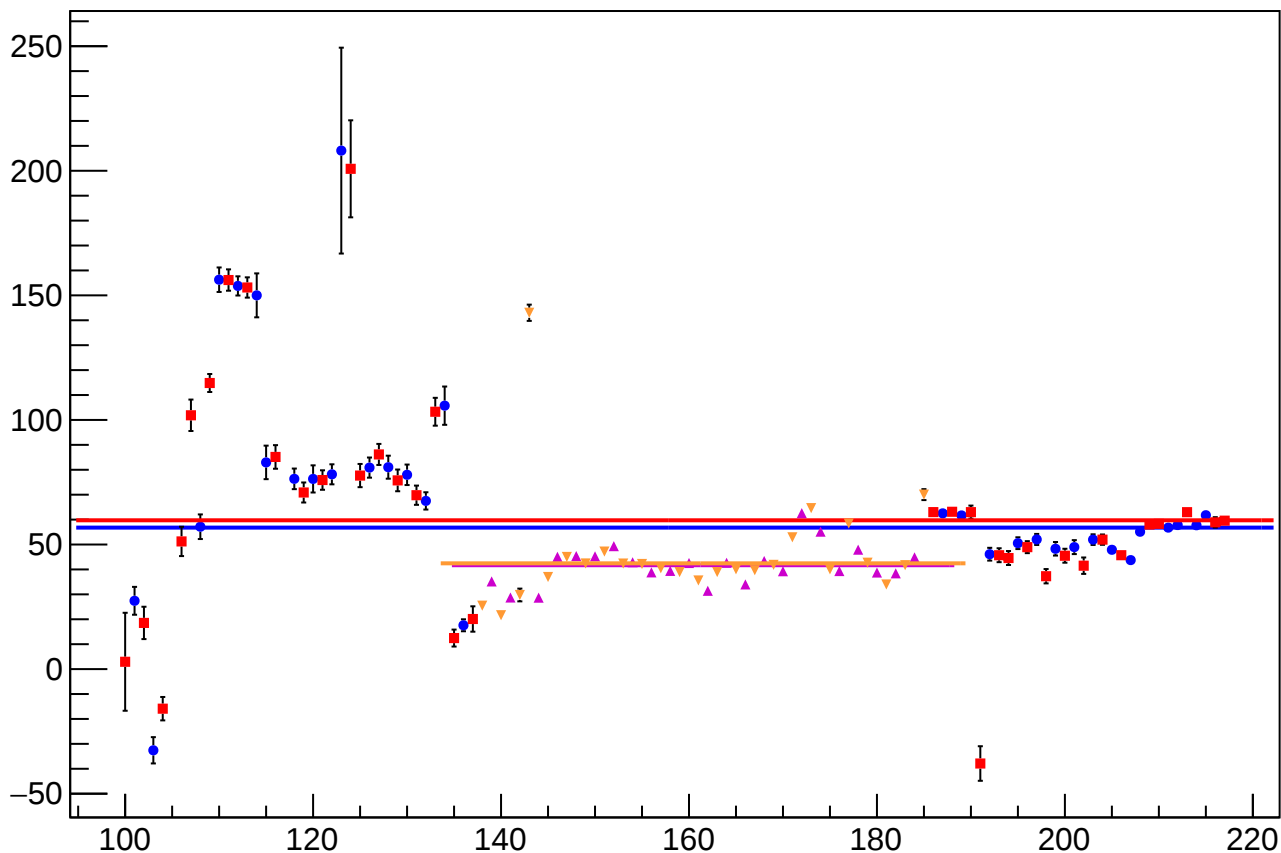
Left In: -4.059 ± 0.228 χ^2/NDF : 577.2/22

+ sign -3.365 ± 0.201 χ^2/NDF : 1110.5/56

All: -3.276 ± 0.143 χ^2/NDF : 2173.0/115

- sign -3.187 ± 0.203 χ^2/NDF : 1062.1/58

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eX_slope vs Slug



Right In: 56.788 $\pm$ 0.451 χ^2 /NDF: 2142.3/31

Left Out: 42.452 $\pm$ 0.282 χ^2 /NDF: 2016.0/24

Right Out: 59.726 $\pm$ 0.403 χ^2 /NDF: 2633.0/35

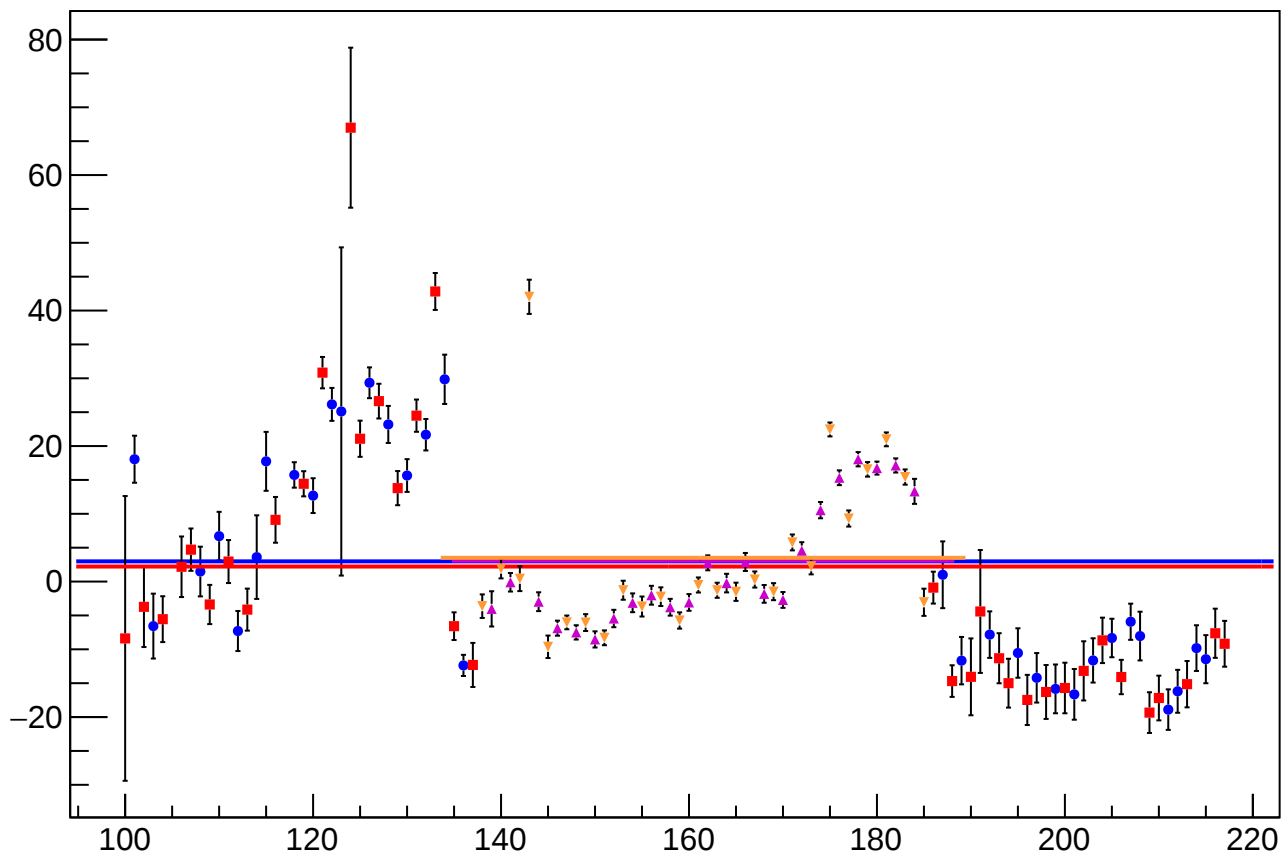
Left In: 41.695 $\pm$ 0.284 χ^2 /NDF: 630.2/22

+ sign 46.484 $\pm$ 0.239 χ^2 /NDF: 4885.4/56

All: 47.105 $\pm$ 0.167 χ^2 /NDF: 9501.0/115

- sign 47.691 $\pm$ 0.232 χ^2 /NDF: 4602.5/58

reg_asym_atl_dd_atr_dd_dd_diff_bpm4eY_slope vs Slug



Right In: 2.981 $\pm$ 0.529 χ^2 /NDF: 928.3/31

Left Out: 3.505 $\pm$ 0.252 χ^2 /NDF: 1691.3/24

Right Out: 2.218 $\pm$ 0.515 χ^2 /NDF: 1122.8/35

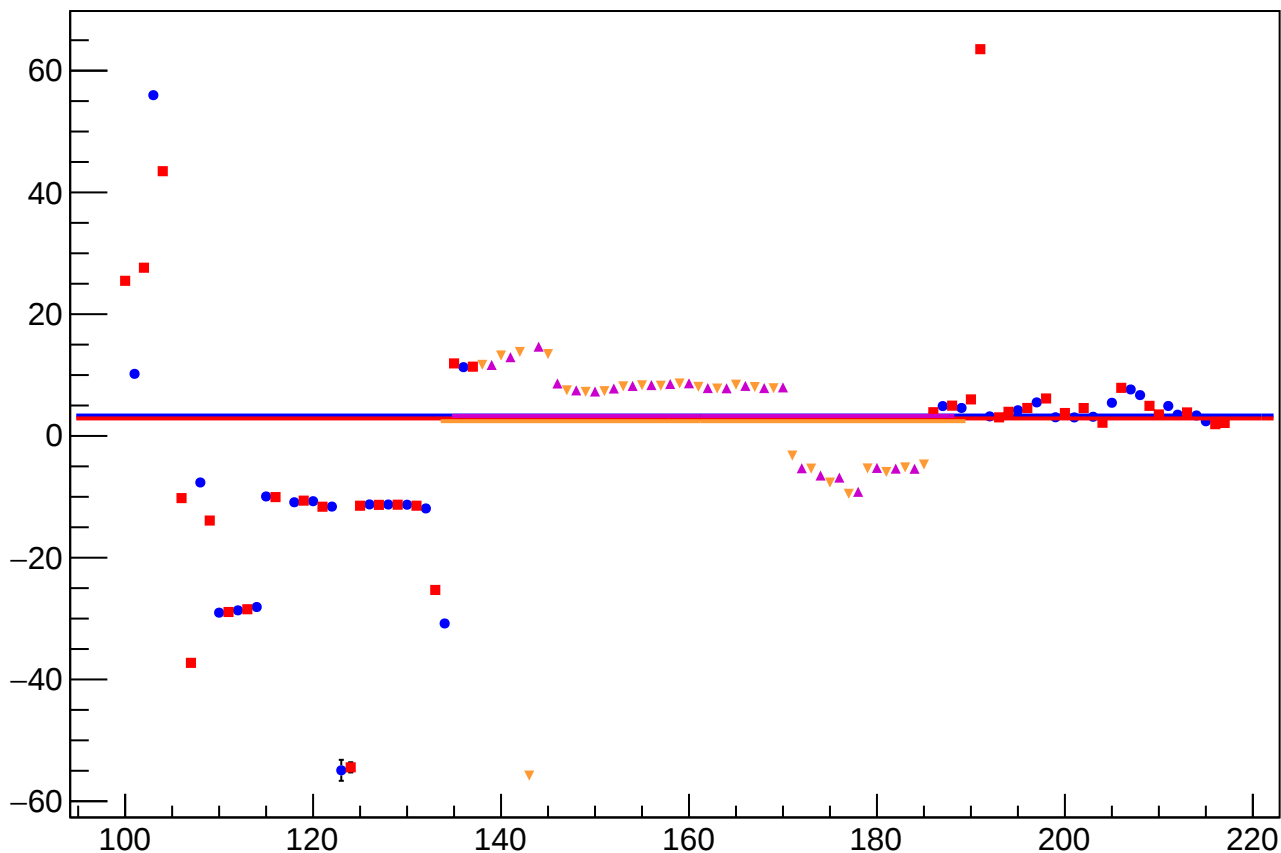
Left In: 3.081 $\pm$ 0.257 χ^2 /NDF: 1265.7/22

+ sign 3.408 $\pm$ 0.228 χ^2 /NDF: 2620.4/56

All: 3.161 $\pm$ 0.162 χ^2 /NDF: 5013.6/115

- sign 2.909 $\pm$ 0.230 χ^2 /NDF: 2390.7/58

reg_asym_atl_dd_atr_dd_diff_bpm12X_slope vs Slug



Right In: 3.350 ± 0.025 χ^2/NDF : 362423.6/31

Left Out: 2.425 ± 0.012 χ^2/NDF : 616382.5/24

Right Out: 2.873 ± 0.024 χ^2/NDF : 434567.5/35

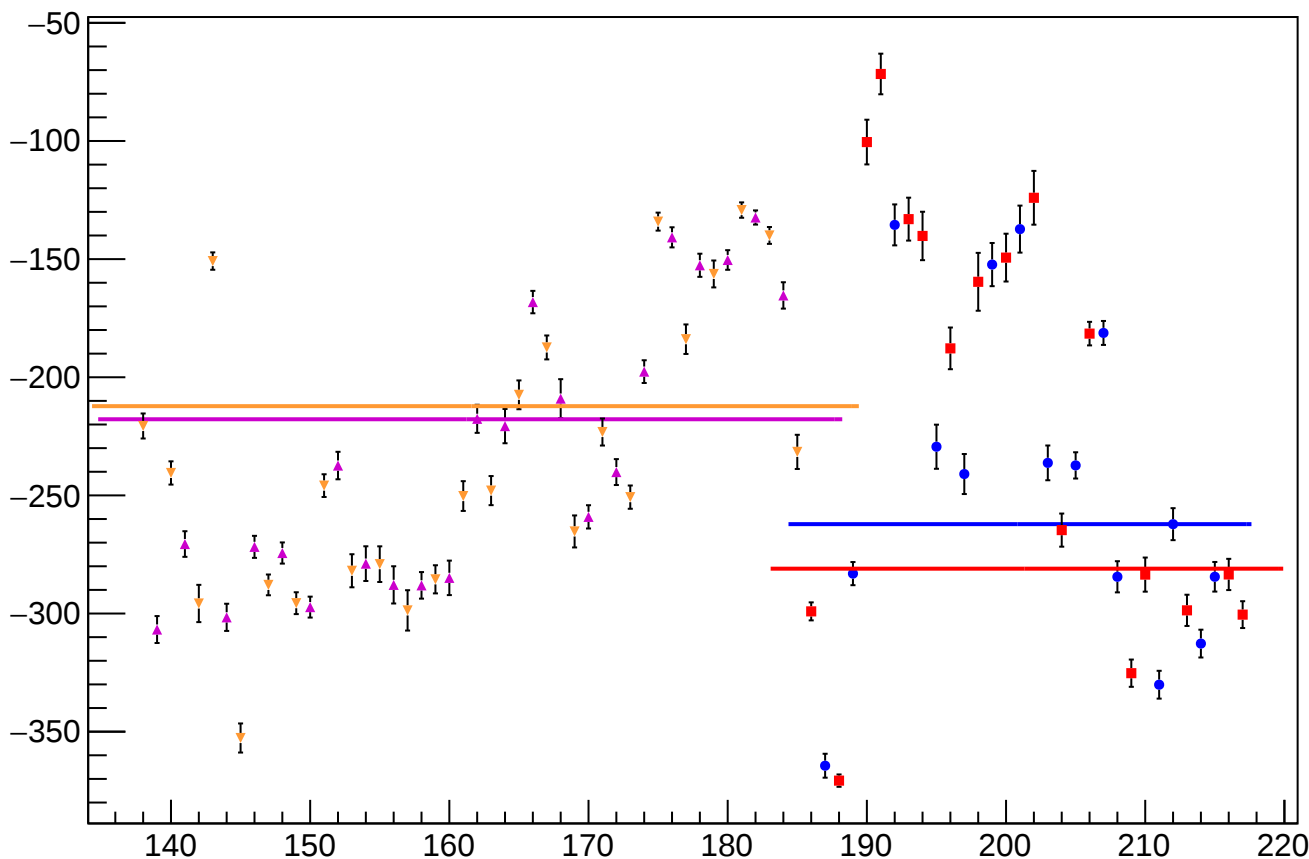
Left In: 3.293 ± 0.012 χ^2/NDF : 404323.8/22

+ sign 2.590 ± 0.010 χ^2/NDF : 979947.1/56

All: 2.901 ± 0.007 χ^2/NDF : 1820847.6/115

- sign 3.215 ± 0.011 χ^2/NDF : 839131.6/58

reg_asym_atl_avg_atr_avg_avg_diff_bpm1X_slope vs Slug



Right In: -262.166 ± 1.669 χ^2/NDF : 1478.5/14

Left Out: -212.231 ± 1.029 χ^2/NDF : 3875.4/24

Right Out: -281.017 ± 1.435 χ^2/NDF : 3665.0/16

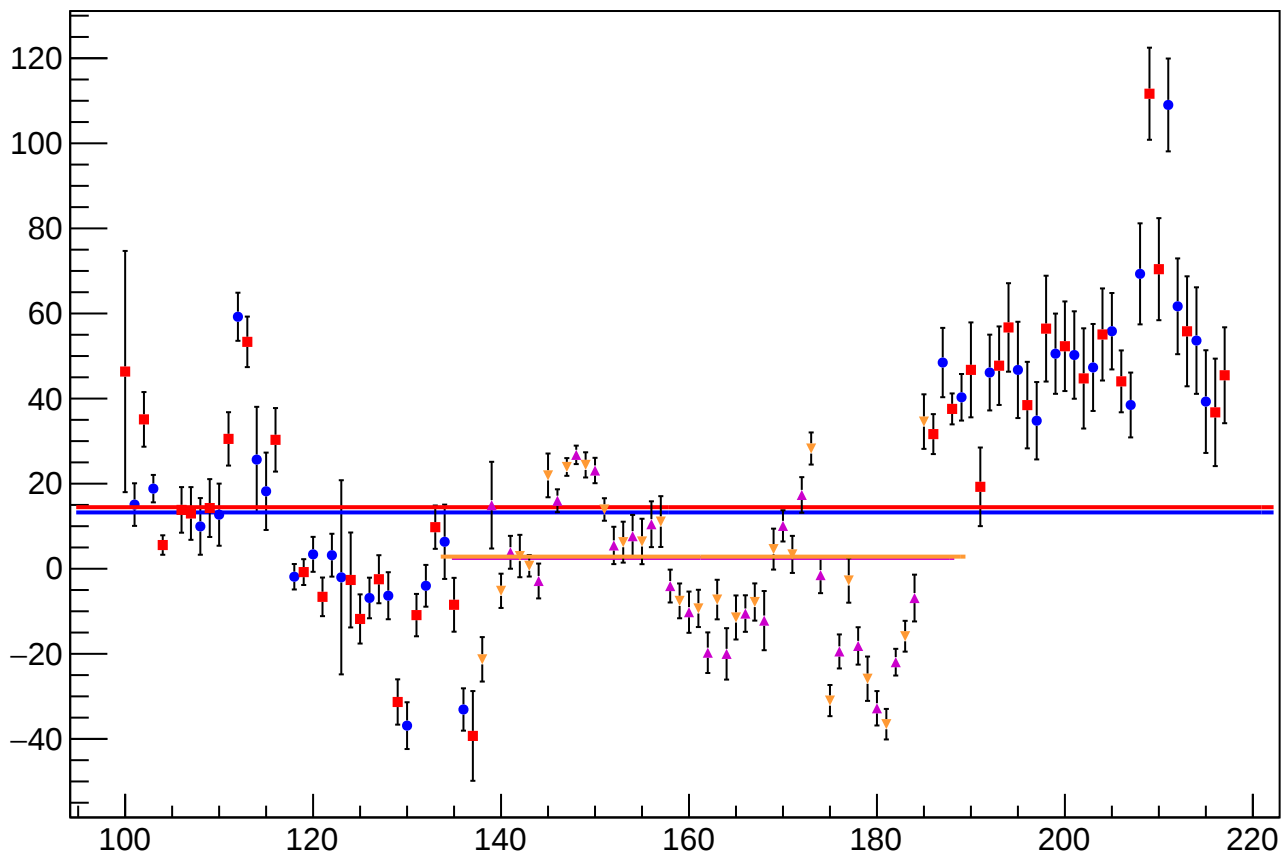
Left In: -217.779 ± 1.067 χ^2/NDF : 3448.9/22

+ sign -225.998 ± 0.876 χ^2/NDF : 6002.6/39

All: -233.304 ± 0.612 χ^2/NDF : 14502.9/79

- sign -240.282 ± 0.856 χ^2/NDF : 8364.4/39

reg_asym_atl_avg_atr_avg_avg_diff_bpm4aY_slope vs Slug



Right In: 13.238 $\pm$ 1.103 χ^2 /NDF: 596.9/31

Left Out: 2.848 $\pm$ 0.775 χ^2 /NDF: 582.1/24

Right Out: 14.469 $\pm$ 0.999 χ^2 /NDF: 581.6/35

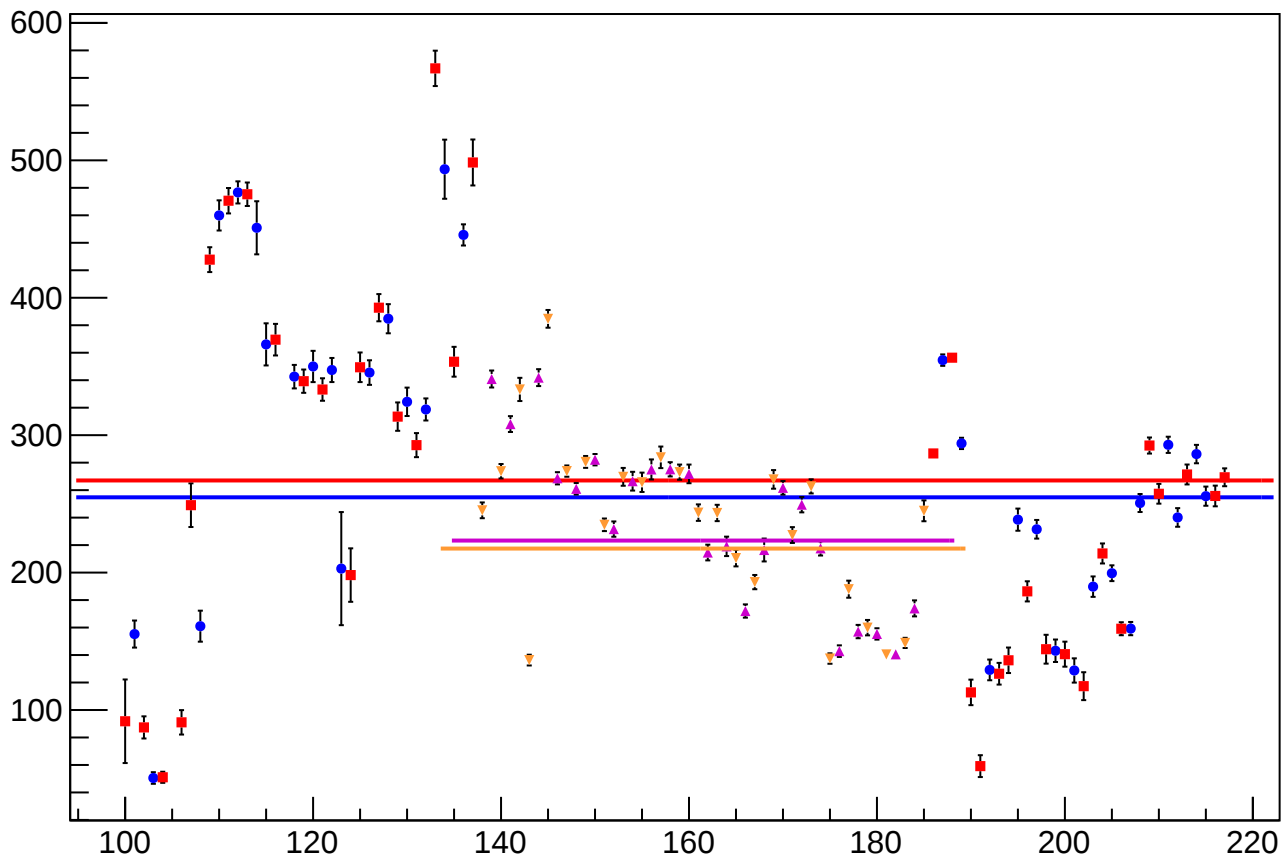
Left In: 2.540 $\pm$ 0.822 χ^2 /NDF: 473.6/22

+ sign 6.279 $\pm$ 0.634 χ^2 /NDF: 1238.5/56

All: 6.819 $\pm$ 0.449 χ^2 /NDF: 2380.2/115

- sign 7.360 $\pm$ 0.635 χ^2 /NDF: 1140.2/58

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eX_slope vs Slug



Right In: 254.774 ± 1.277 $\chi^2/\text{NDF}: 7140.8/31$

Left Out: 217.484 ± 1.032 $\chi^2/\text{NDF}: 3769.5/24$

Right Out: 267.039 ± 1.090 $\chi^2/\text{NDF}: 11054.5/35$

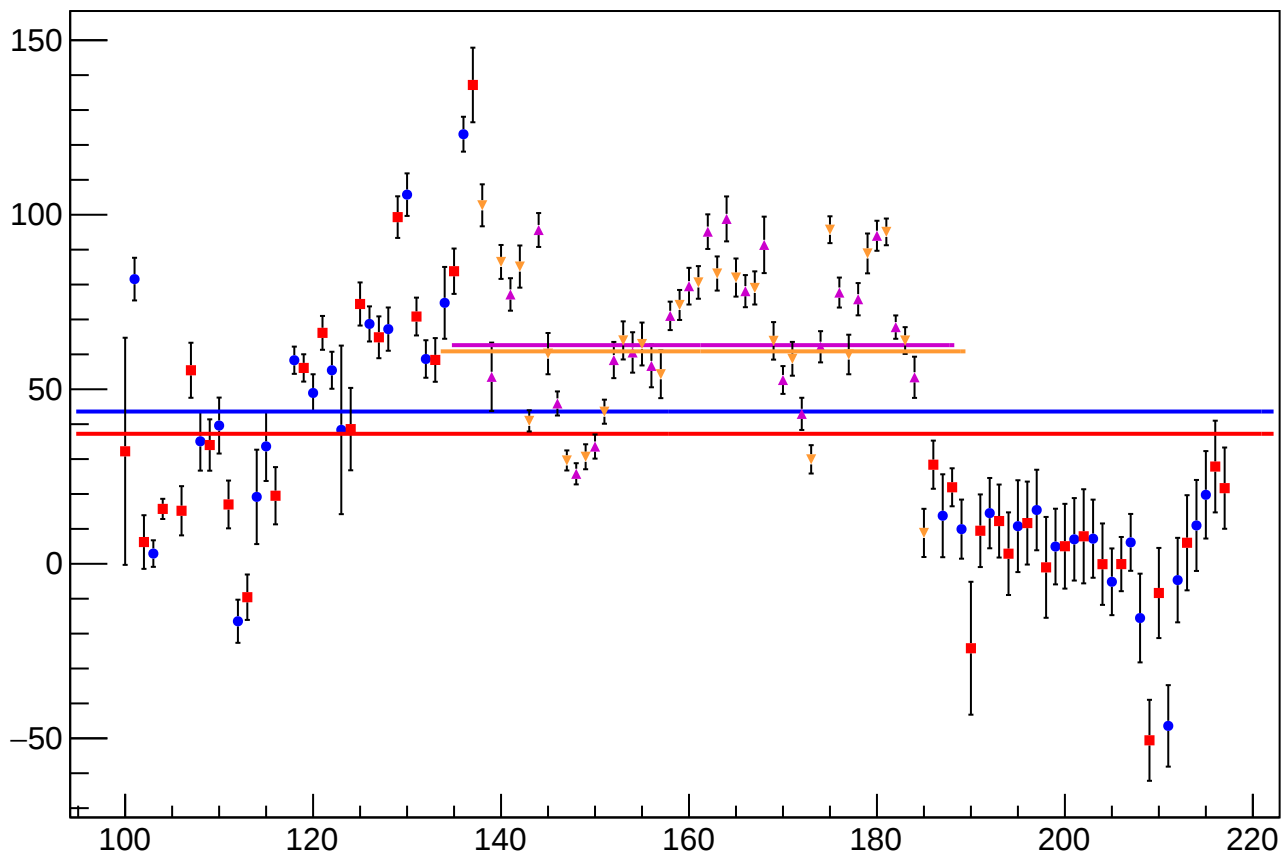
Left In: 223.309 ± 1.062 $\chi^2/\text{NDF}: 3378.0/22$

+ sign 232.216 ± 0.803 $\chi^2/\text{NDF}: 11425.8/56$

All: 238.751 ± 0.552 $\chi^2/\text{NDF}: 26810.1/115$

- sign 244.613 ± 0.760 $\chi^2/\text{NDF}: 15258.7/58$

reg_asym_atl_avg_atr_avg_avg_diff_bpm4eY_slope vs Slug



Right In: 43.624 $\pm$ 1.282 χ^2 /NDF: 916.1/31

Left Out: 60.863 $\pm$ 0.897 χ^2 /NDF: 731.6/24

Right Out: 37.245 $\pm$ 1.191 χ^2 /NDF: 741.1/35

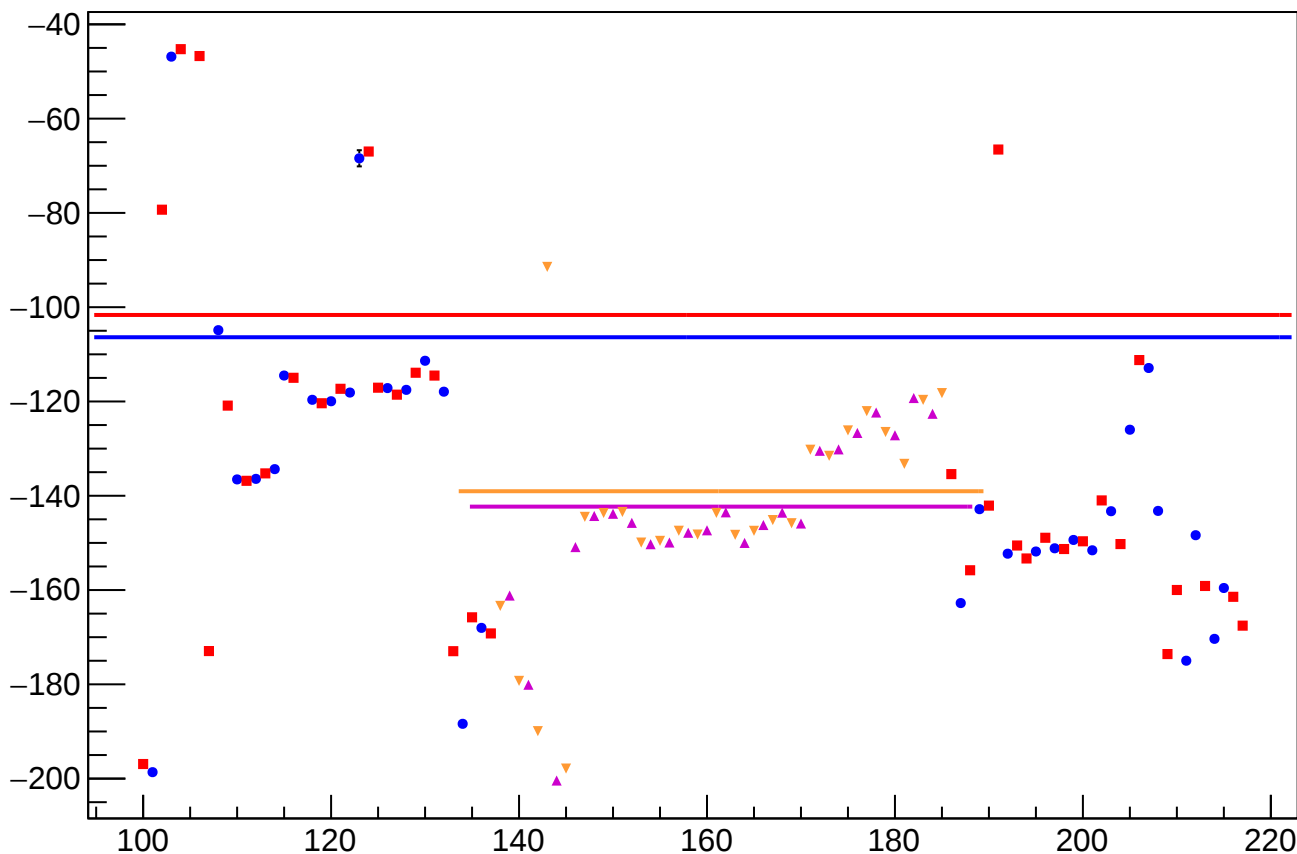
Left In: 62.640 $\pm$ 0.943 χ^2 /NDF: 515.4/22

+ sign 55.202 $\pm$ 0.735 χ^2 /NDF: 1769.2/56

All: 54.039 $\pm$ 0.521 χ^2 /NDF: 3310.1/115

- sign 52.862 $\pm$ 0.739 χ^2 /NDF: 1535.9/58

reg_asym_atl_avg_atr_avg_avg_diff_bpm12X_slope vs Slug



Right In: -106.374+/-0.057 χ^2 /NDF: 737025.4/31

Left Out: -139.040+/-0.043 χ^2 /NDF: 258113.4/24

Right Out: -101.649+/-0.054 χ^2 /NDF: 780383.4/35

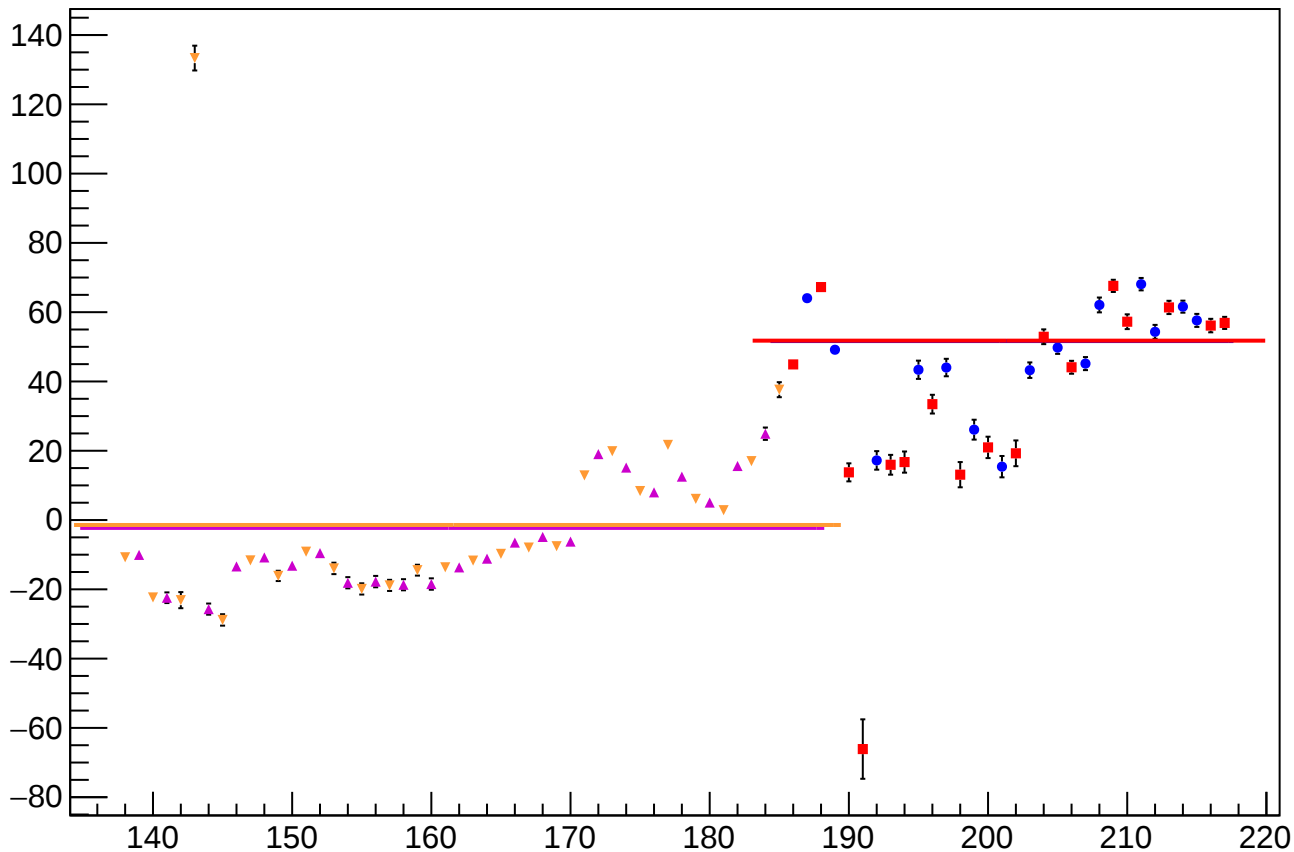
Left In: -142.305+/-0.044 χ^2 /NDF: 143351.8/22

+ sign -127.317+/-0.034 χ^2 /NDF: 1203508.6/56

All: -126.706+/-0.024 χ^2 /NDF: 2466993.0/11

- sign -126.100+/-0.034 χ^2 /NDF: 1262852.8/58

reg_asym_atl_avg_atr_avg_dd_diff_bpm1X_slope vs Slug



Right In: 51.663 $\pm$ 0.511 χ^2 /NDF: 663.4/14

Left Out: -1.427 $\pm$ 0.268 χ^2 /NDF: 4339.0/24

Right Out: 51.782 $\pm$ 0.419 χ^2 /NDF: 1630.2/16

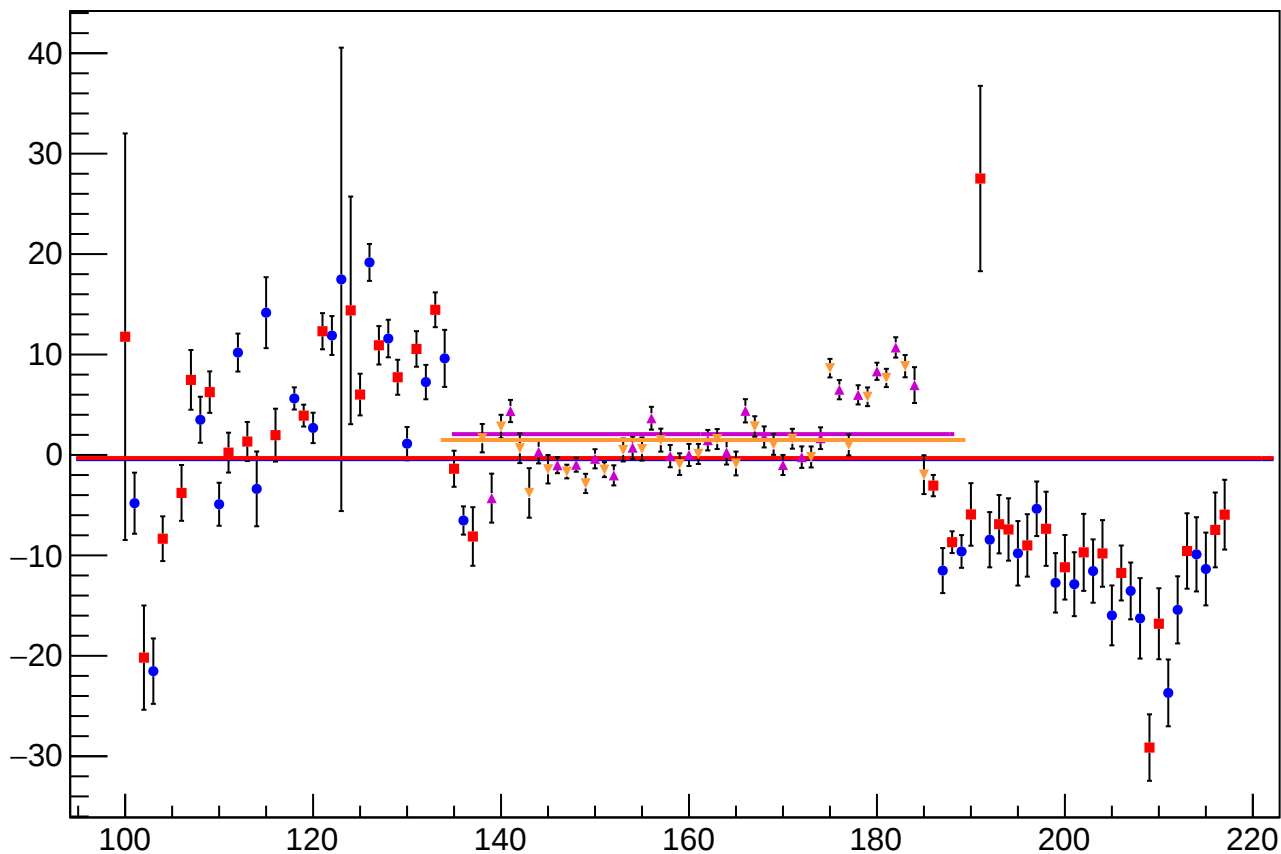
Left In: -2.270 $\pm$ 0.271 χ^2 /NDF: 2521.6/22

+ sign 10.001 $\pm$ 0.237 χ^2 /NDF: 13472.5/39

All: 11.902 $\pm$ 0.164 χ^2 /NDF: 29488.2/79

- sign 13.651 $\pm$ 0.227 χ^2 /NDF: 15892.2/39

reg_asym_atl_avg_atr_avg_dd_diff_bpm4aY_slope vs Slug



Right In: -0.418 ± 0.396 χ^2/NDF : 654.1/31

Left Out: 1.491 ± 0.210 χ^2/NDF : 259.1/24

Right Out: -0.309 ± 0.365 χ^2/NDF : 550.7/35

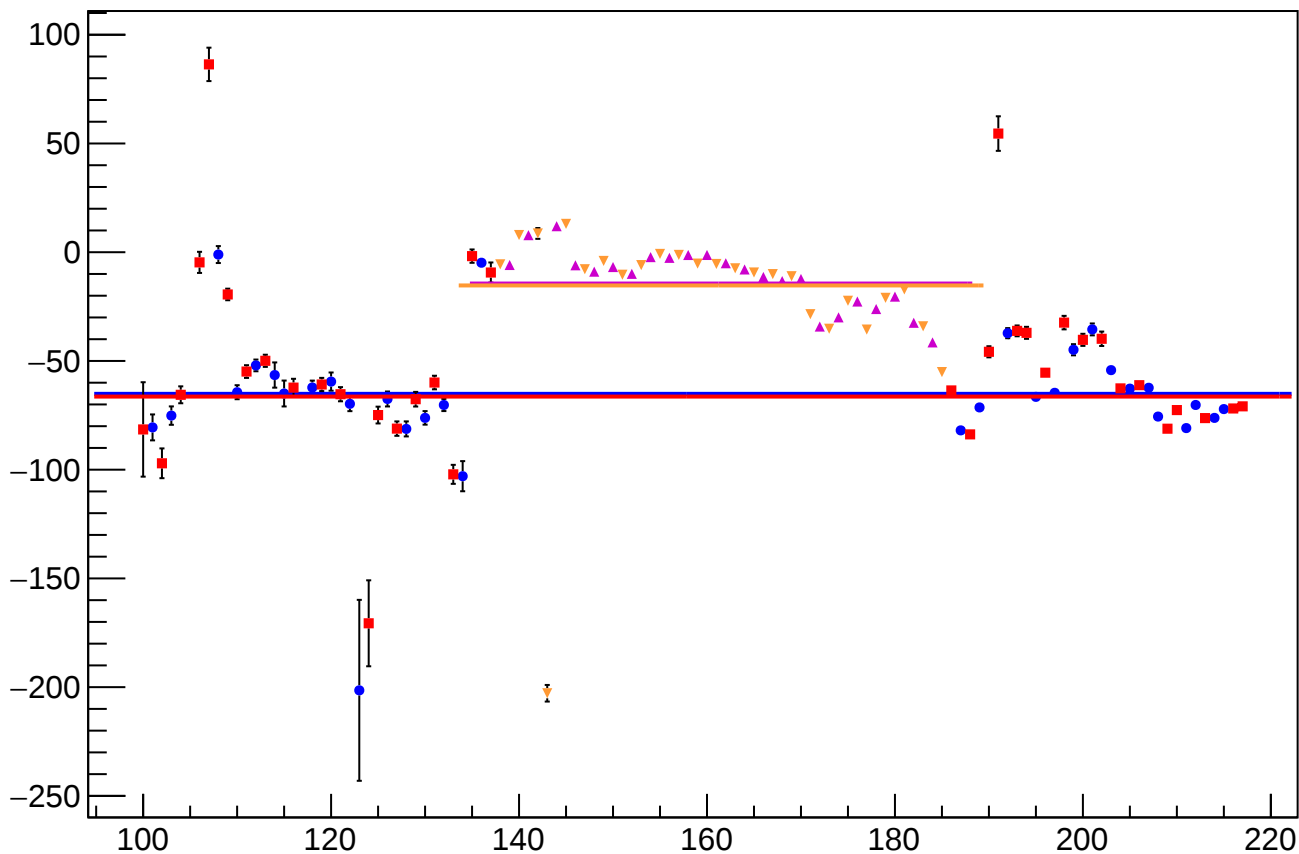
Left In: 2.075 ± 0.215 χ^2/NDF : 274.6/22

+ sign 1.071 ± 0.186 χ^2/NDF : 931.3/56

All: 1.266 ± 0.131 χ^2/NDF : 1790.4/115

- sign 1.460 ± 0.186 χ^2/NDF : 856.9/58

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eX_slope vs Slug



Right In: -65.126 ± 0.418 χ^2/NDF : 1909.9/31

Left Out: -15.279 ± 0.267 χ^2/NDF : 4820.1/24

Right Out: -66.381 ± 0.338 χ^2/NDF : 3432.2/35

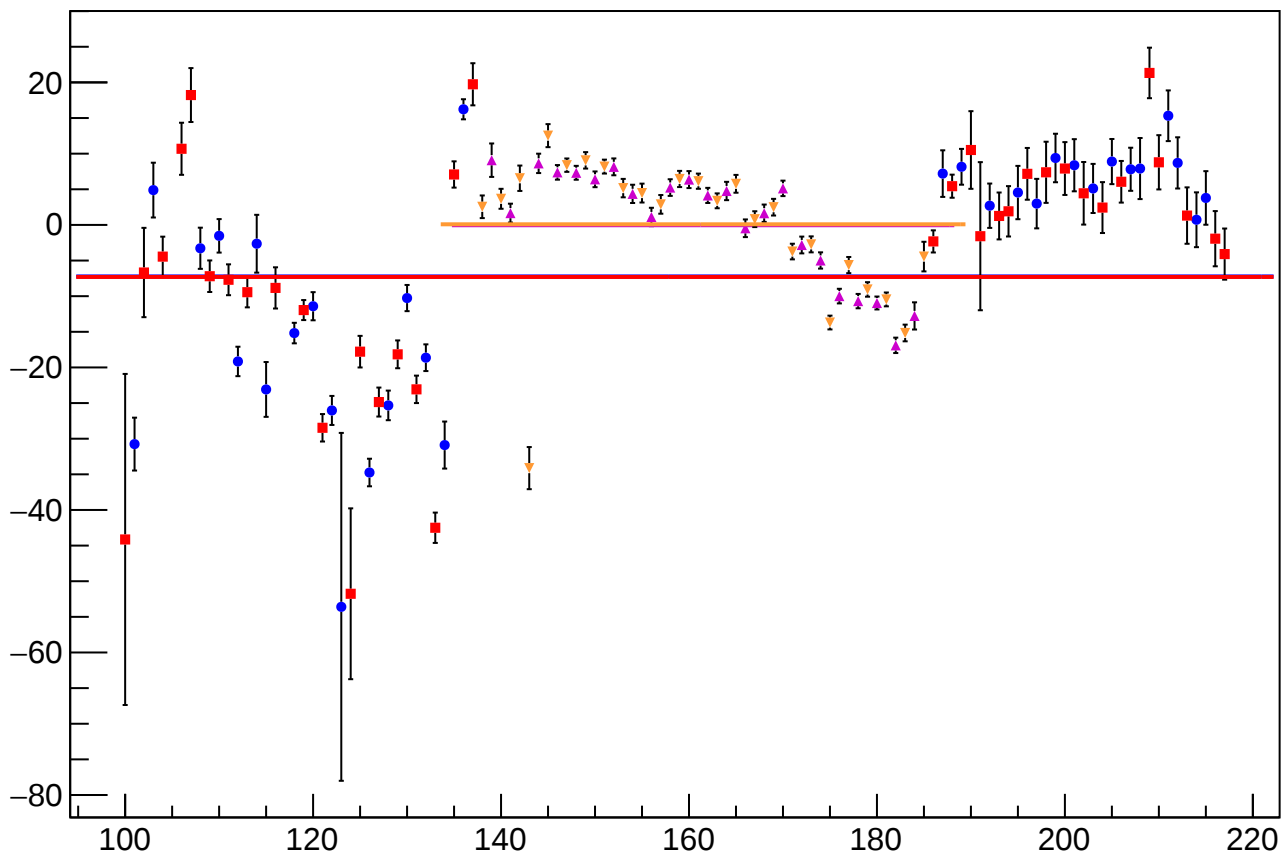
Left In: -14.406 ± 0.269 χ^2/NDF : 2032.4/22

+ sign -29.688 ± 0.225 χ^2/NDF : 16820.6/56

All: -32.282 ± 0.154 χ^2/NDF : 36995.3/115

- sign -34.555 ± 0.211 χ^2/NDF : 19925.3/58

reg_asym_atl_avg_atr_avg_dd_diff_bpm4eY_slope vs Slug



Right In: -7.231 ± 0.458 χ^2/NDF : 1155.6/31

Left Out: 0.087 ± 0.238 χ^2/NDF : 1172.3/24

Right Out: -7.302 ± 0.436 χ^2/NDF : 1100.1/35

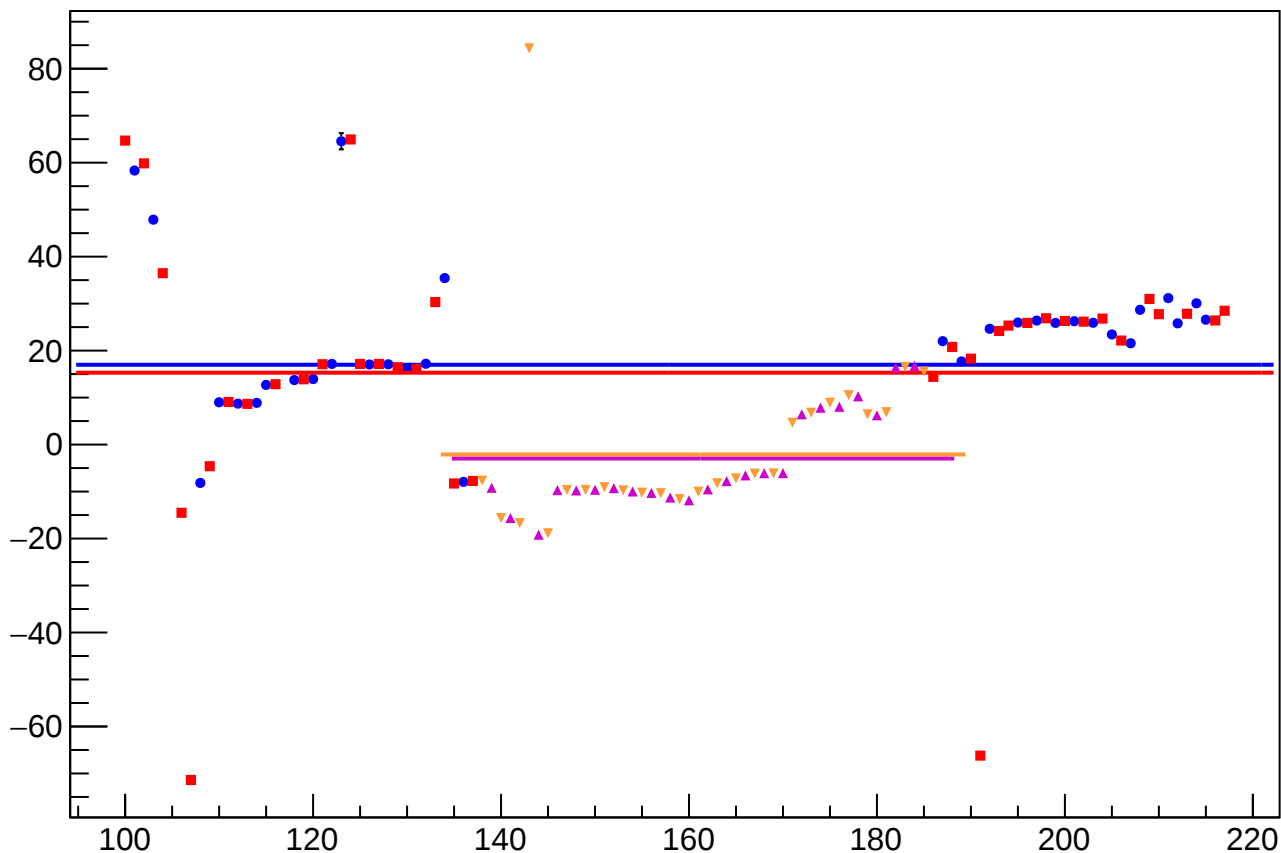
Left In: -0.044 ± 0.243 χ^2/NDF : 1028.2/22

+ sign -1.473 ± 0.211 χ^2/NDF : 2529.0/56

All: -1.619 ± 0.150 χ^2/NDF : 4869.8/115

- sign -1.766 ± 0.212 χ^2/NDF : 2339.9/58

reg_asym_atl_avg_atr_avg_dd_diff_bpm12X_slope vs Slug



Right In: 16.989+/-0.023 χ^2/NDF : 492579.0/31

Left Out: -2.105+/-0.011 χ^2/NDF : 1093120.2/24

Right Out: 15.298+/-0.022 χ^2/NDF : 774160.7/35

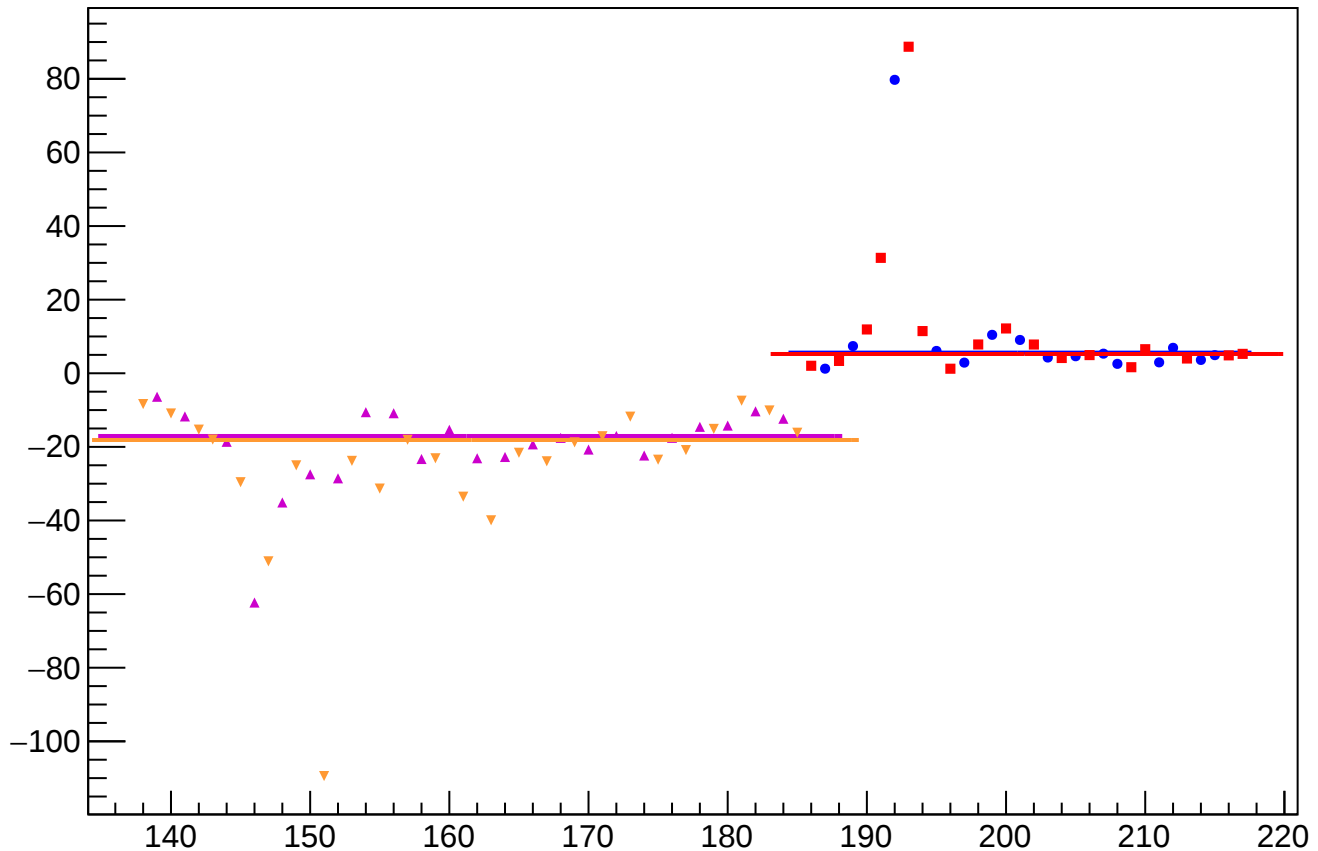
Left In: -2.959+/-0.011 χ^2/NDF : 763000.9/22

+ sign 1.487+/-0.010 χ^2/NDF : 2160714.4/56

All: 1.064+/-0.007 χ^2/NDF : 4244473.3/115

- sign 0.640+/-0.010 χ^2/NDF : 2080059.0/58

reg_asym_bcm_an_ds3_diff_bpm1X_slope vs Slug



Right In: 5.610 ± 0.048 χ^2/NDF : 26472.2/14

Left Out: -18.128 ± 0.039 χ^2/NDF : 88551.6/24

Right Out: 5.241 ± 0.046 χ^2/NDF : 26888.1/16

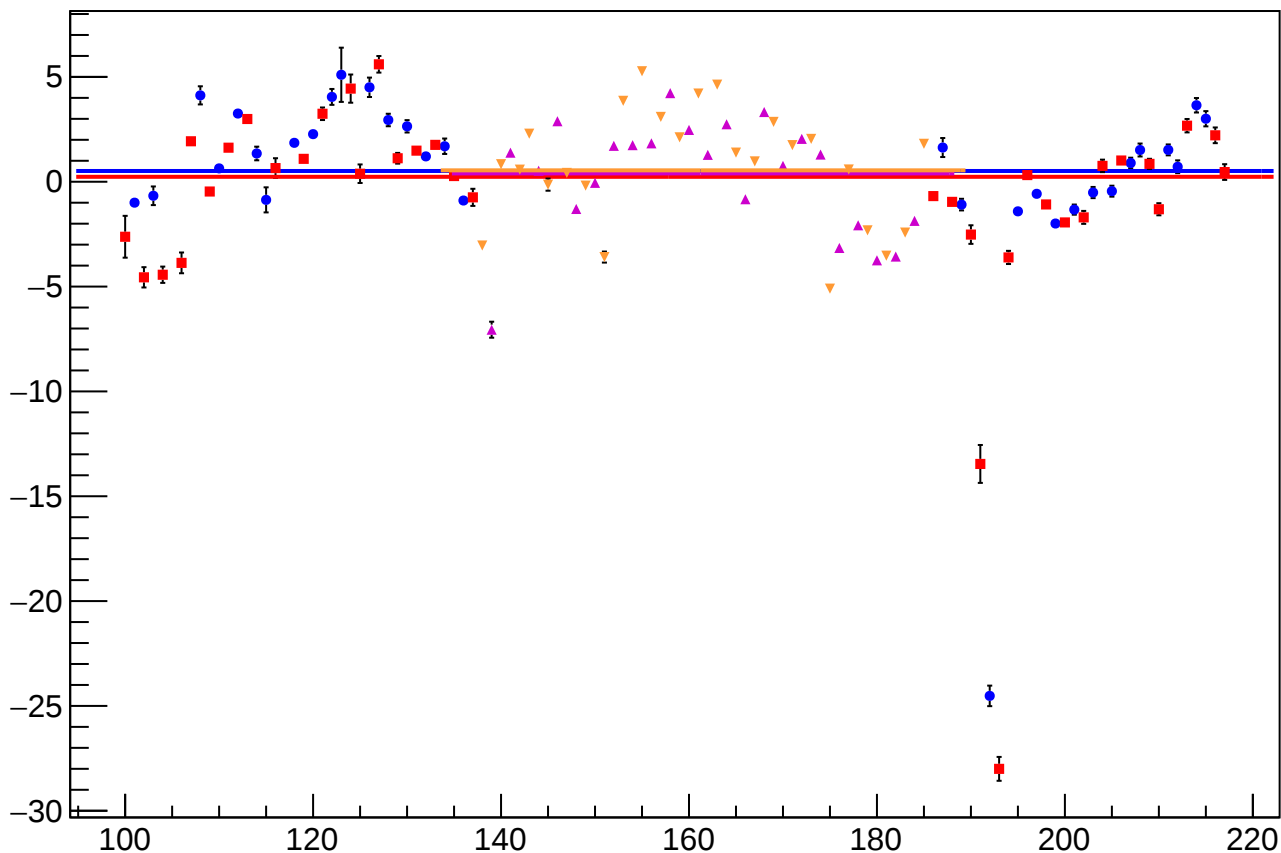
Left In: -17.038 ± 0.038 χ^2/NDF : 44141.1/22

+ sign -8.799 ± 0.030 χ^2/NDF : 261274.0/39

All: -8.421 ± 0.021 χ^2/NDF : 469959.6/79

- sign -8.064 ± 0.029 χ^2/NDF : 208383.5/39

reg_asym_bcm_an_ds3_diff_bpm4aY_slope vs Slug



Right In: 0.513 ± 0.046 χ^2/NDF : 3994.3/31

Left Out: 0.543 ± 0.032 χ^2/NDF : 7085.3/24

Right Out: 0.236 ± 0.044 χ^2/NDF : 4388.0/35

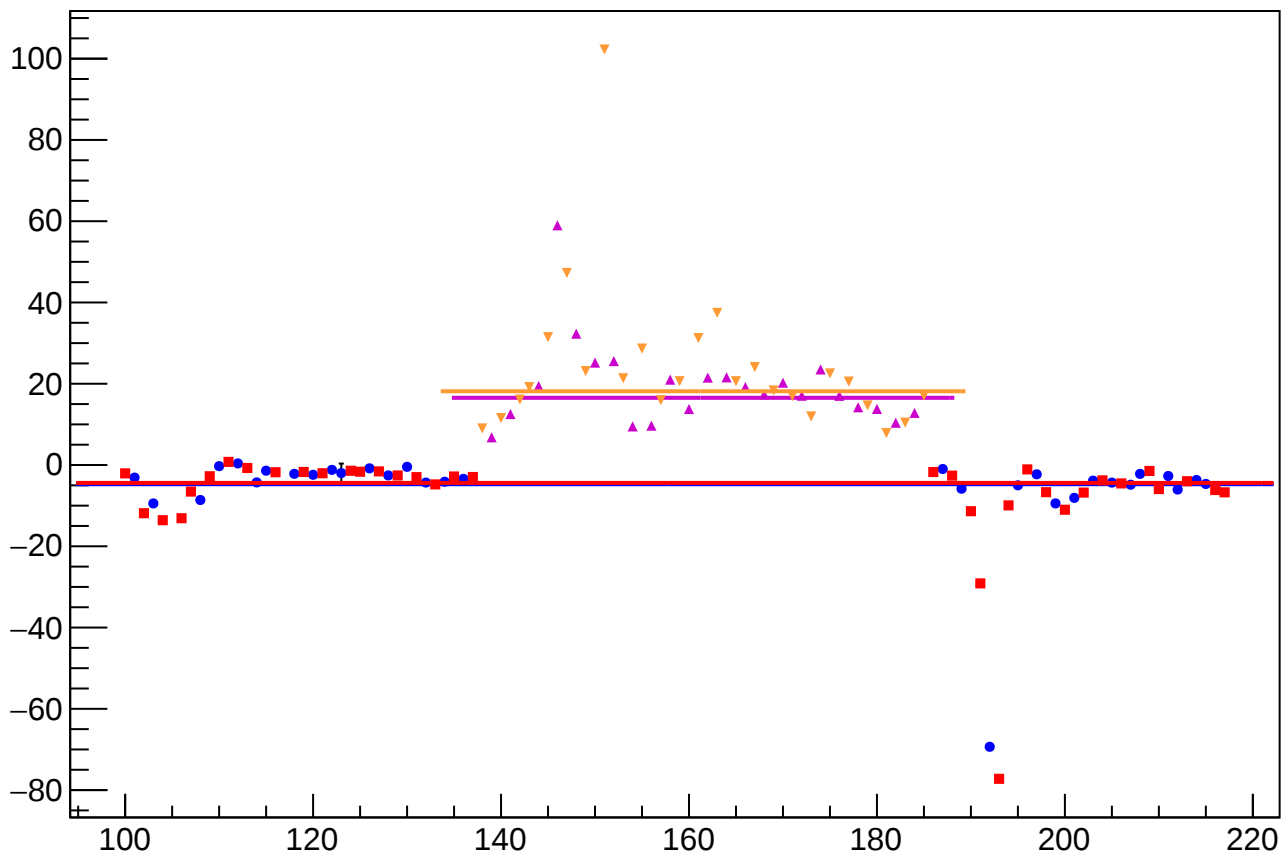
Left In: 0.397 ± 0.031 χ^2/NDF : 6235.6/22

+ sign 0.533 ± 0.026 χ^2/NDF : 11079.9/56

All: 0.433 ± 0.018 χ^2/NDF : 21739.7/115

- sign 0.344 ± 0.025 χ^2/NDF : 10632.8/58

reg_asym_bcm_an_ds3_diff_bpm4eX_slope vs Slug



Right In: -4.720 ± 0.043 $\chi^2/\text{NDF}: 27274.2/31$

Left Out: 18.150 ± 0.039 $\chi^2/\text{NDF}: 77847.8/24$

Right Out: -4.404 ± 0.040 $\chi^2/\text{NDF}: 28422.3/35$

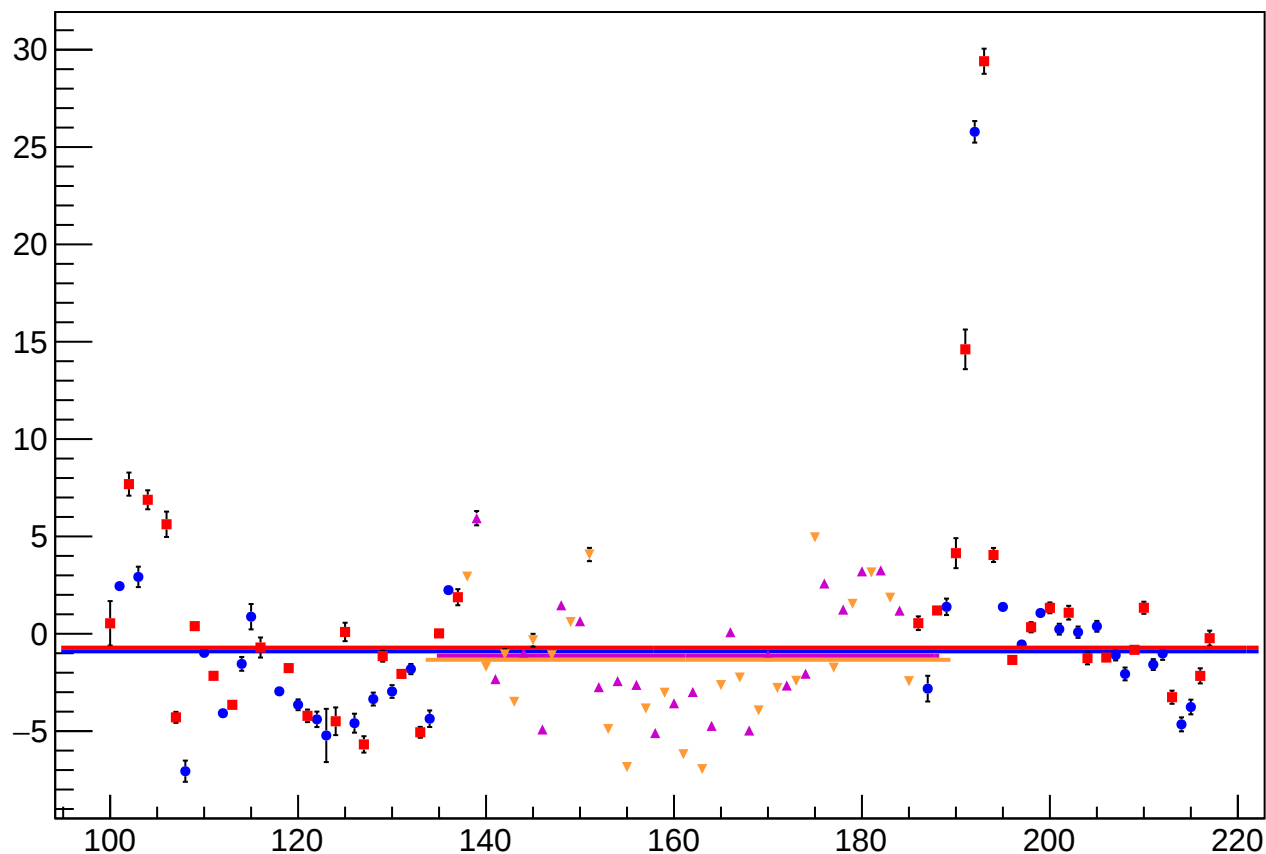
Left In: 16.543 ± 0.038 $\chi^2/\text{NDF}: 40855.0/22$

+ sign 7.725 ± 0.029 $\chi^2/\text{NDF}: 261110.8/56$

All: 7.110 ± 0.020 $\chi^2/\text{NDF}: 477967.6/115$

- sign 6.557 ± 0.027 $\chi^2/\text{NDF}: 215992.3/58$

reg_asym_bcm_an_ds3_diff_bpm4eY_slope vs Slug



Right In: -0.904 ± 0.053 χ^2/NDF : 4114.9/31

Left Out: -1.338 ± 0.036 χ^2/NDF : 7943.1/24

Right Out: -0.711 ± 0.050 χ^2/NDF : 4591.1/35

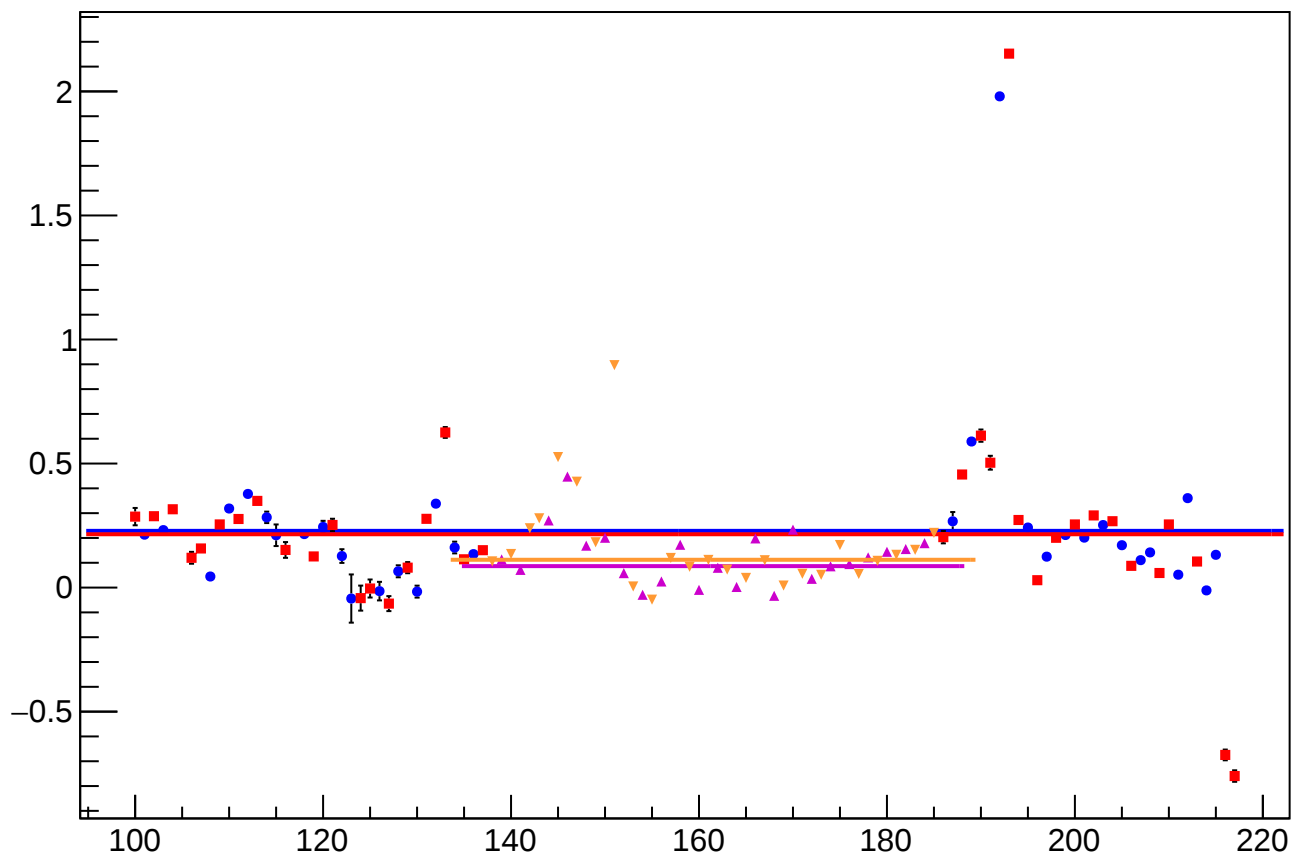
Left In: -1.129 ± 0.034 χ^2/NDF : 6740.3/22

+ sign -1.201 ± 0.030 χ^2/NDF : 12104.1/56

All: -1.094 ± 0.020 χ^2/NDF : 23507.3/115

- sign -0.997 ± 0.028 χ^2/NDF : 11378.7/58

reg_asym_bcm_an_ds3_diff_bpm12X_slope vs Slug



Right In: 0.229 ± 0.002 $\chi^2/\text{NDF}: 11879.0/31$

Left Out: 0.112 ± 0.002 $\chi^2/\text{NDF}: 4503.9/24$

Right Out: 0.215 ± 0.002 $\chi^2/\text{NDF}: 15696.1/35$

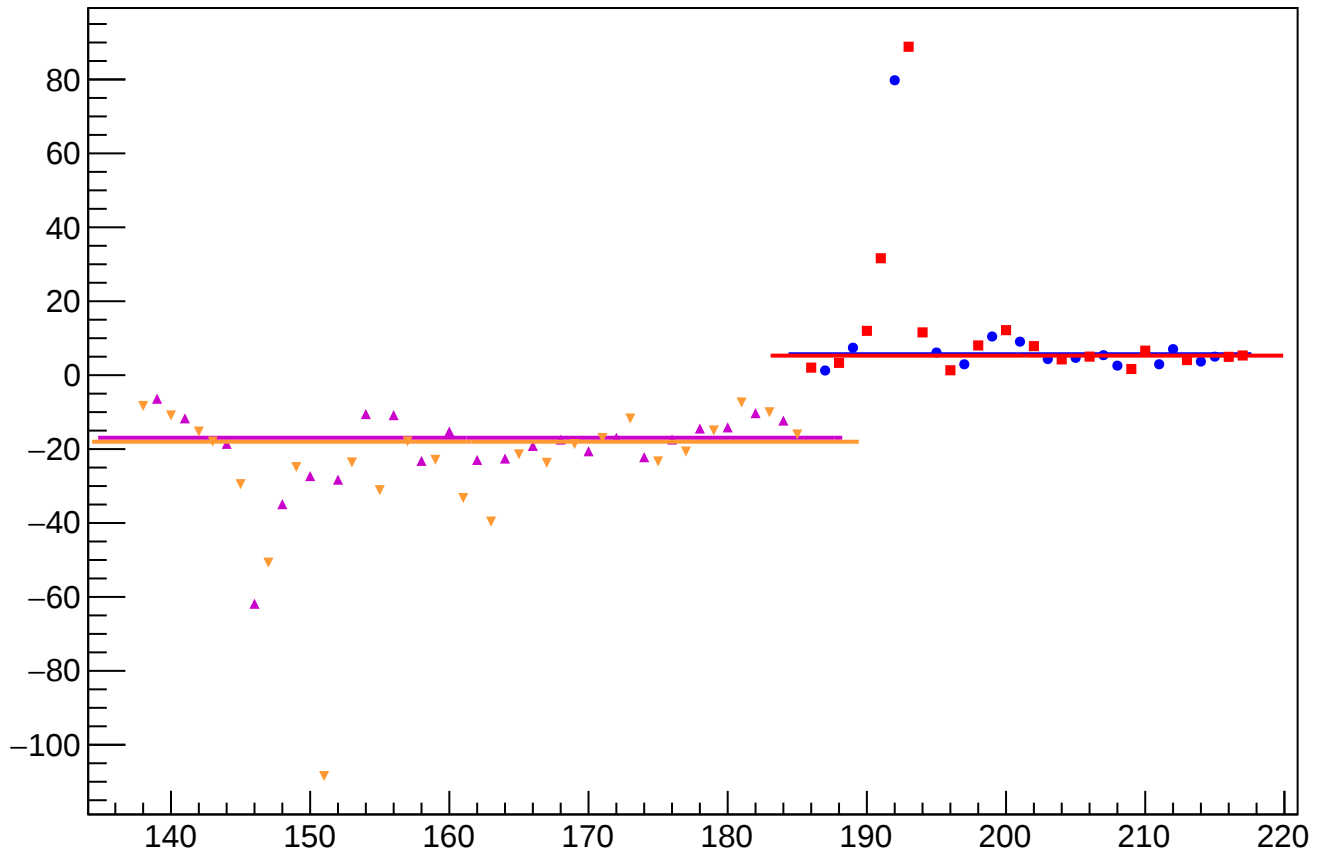
Left In: 0.087 ± 0.002 $\chi^2/\text{NDF}: 3655.4/22$

+ sign 0.149 ± 0.001 $\chi^2/\text{NDF}: 18060.5/56$

All: 0.137 ± 0.001 $\chi^2/\text{NDF}: 39784.3/115$

- sign 0.125 ± 0.001 $\chi^2/\text{NDF}: 21550.7/58$

reg_asym_bcm_an_ds_diff_bpm1X_slope vs Slug



Right In: 5.659 ± 0.048 χ^2/NDF : 26686.6/14

Left Out: -18.005 ± 0.039 χ^2/NDF : 88391.0/24

Right Out: 5.286 ± 0.046 χ^2/NDF : 27242.6/16

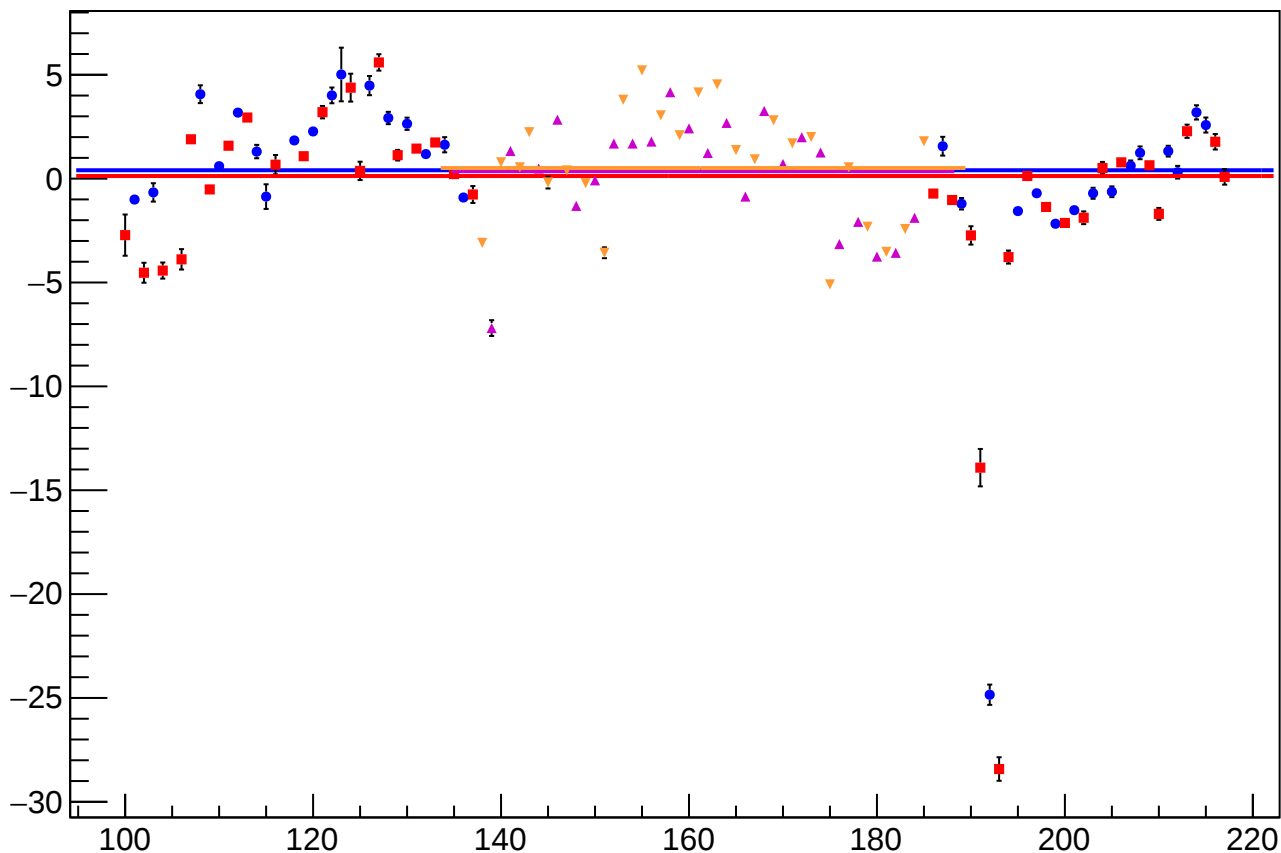
Left In: -16.934 ± 0.038 χ^2/NDF : 44060.6/22

+ sign -8.737 ± 0.030 χ^2/NDF : 261957.3/39

All: -8.353 ± 0.021 χ^2/NDF : 471932.9/79

- sign -7.989 ± 0.029 χ^2/NDF : 209658.7/39

reg_asym_bcm_an_ds_diff_bpm4aY_slope vs Slug



Right In: 0.404 ± 0.046 χ^2/NDF : 4090.5/31

Left Out: 0.511 ± 0.032 χ^2/NDF : 7070.4/24

Right Out: 0.126 ± 0.043 χ^2/NDF : 4534.6/35

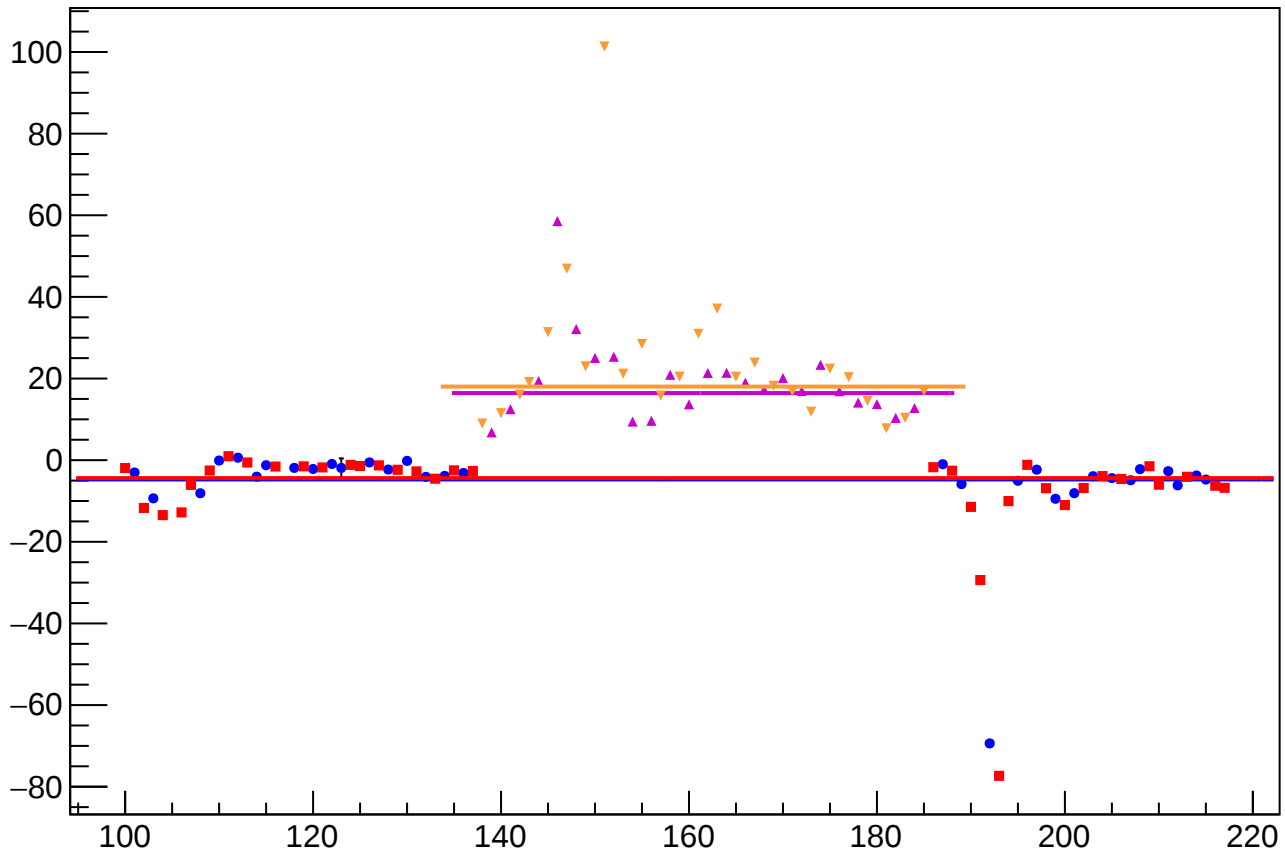
Left In: 0.360 ± 0.031 χ^2/NDF : 6221.1/22

+ sign 0.476 ± 0.026 χ^2/NDF : 11164.5/56

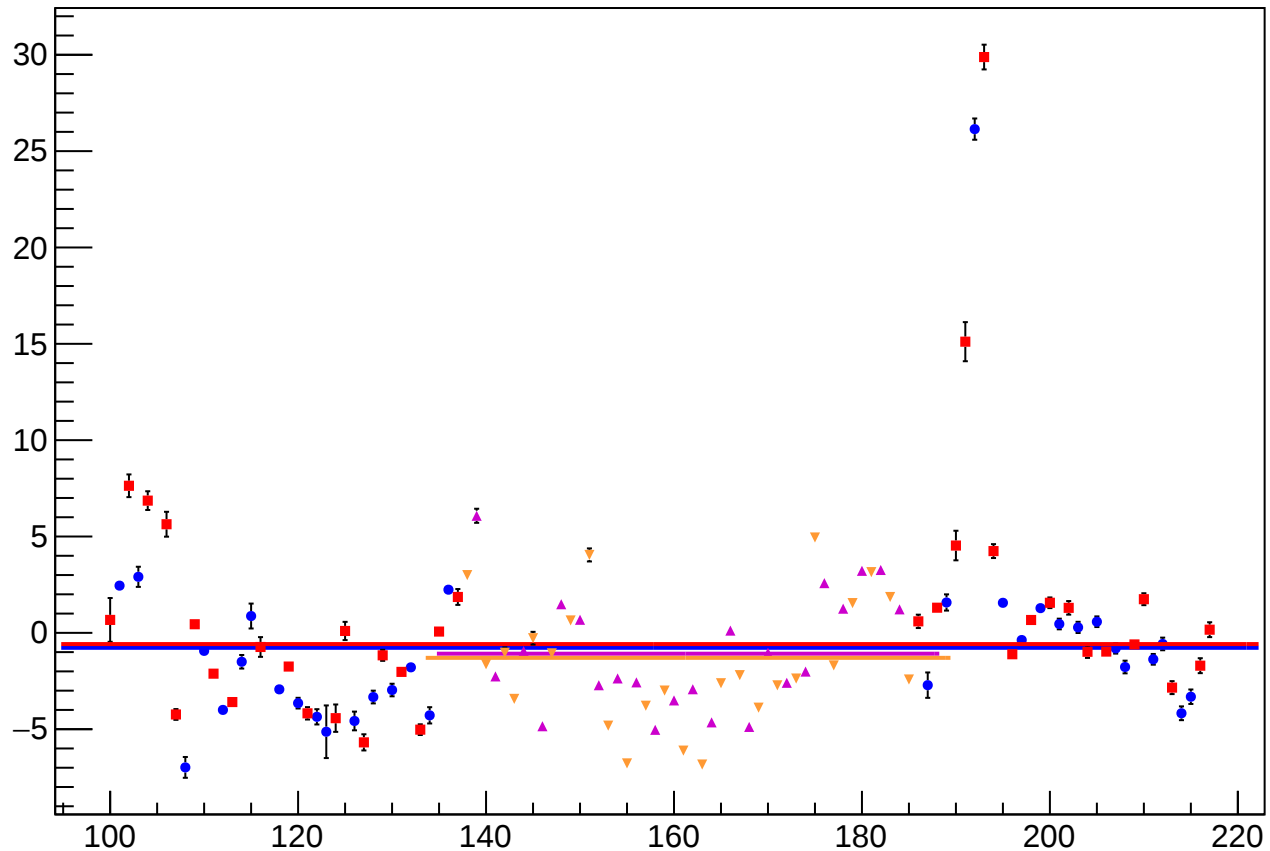
All: 0.374 ± 0.018 χ^2/NDF : 21968.1/115

- sign 0.282 ± 0.025 χ^2/NDF : 10775.1/58

reg_asym_bcm_an_ds_diff_bpm4eX_slope vs Slug



reg_asym_bcm_an_ds_diff_bpm4eY_slope vs Slug



Right In: -0.775 ± 0.053 χ^2/NDF : 4186.2/31

Left Out: -1.297 ± 0.036 χ^2/NDF : 7925.1/24

Right Out: -0.582 ± 0.050 χ^2/NDF : 4738.9/35

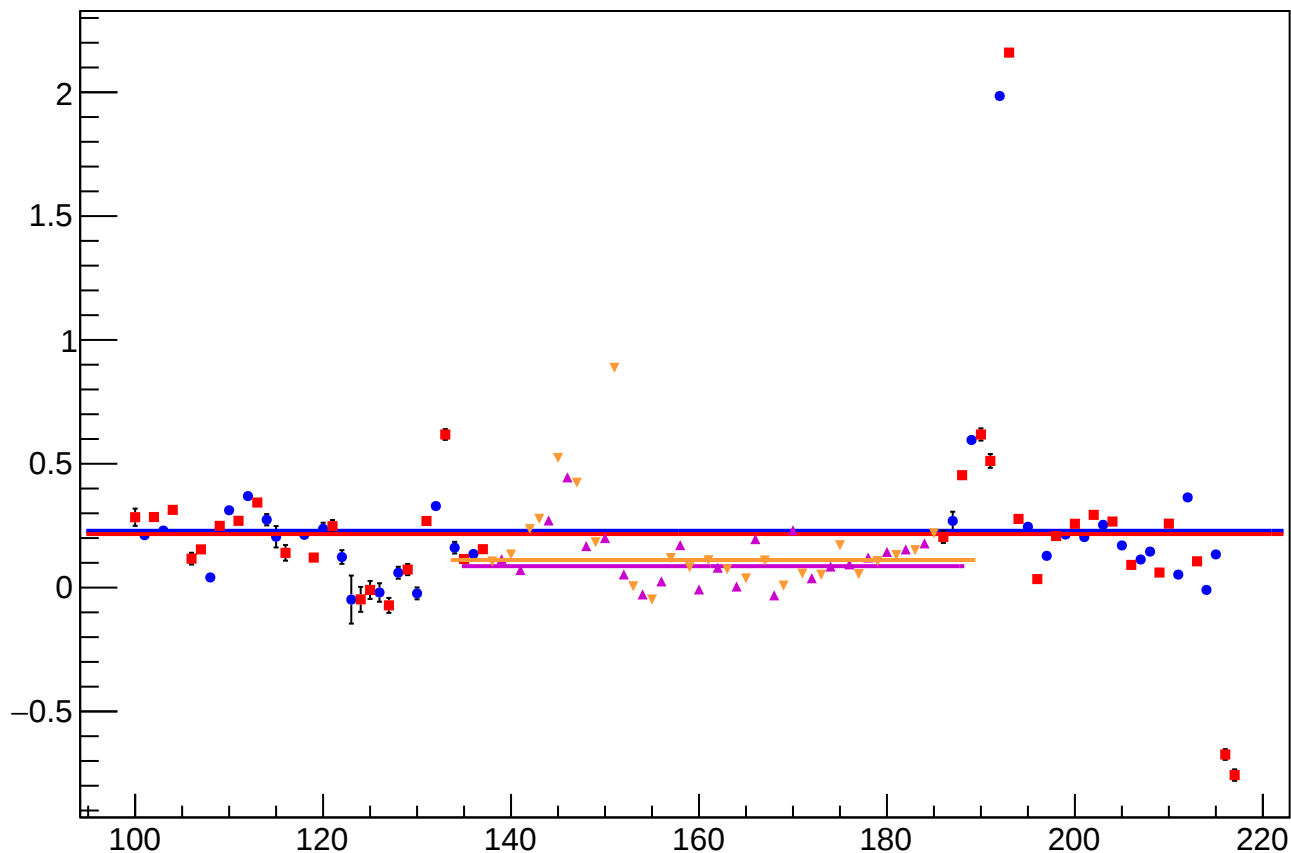
Left In: -1.082 ± 0.034 χ^2/NDF : 6724.1/22

+ sign -1.133 ± 0.030 χ^2/NDF : 12178.8/56

All: -1.023 ± 0.020 χ^2/NDF : 23736.3/115

- sign -0.924 ± 0.028 χ^2/NDF : 11531.3/58

reg_asym_bcm_an_ds_diff_bpm12X_slope vs Slug



Right In: 0.229 ± 0.002 χ^2/NDF : 12004.2/31

Left Out: 0.111 ± 0.002 χ^2/NDF : 4496.0/24

Right Out: 0.216 ± 0.002 χ^2/NDF : 15846.0/35

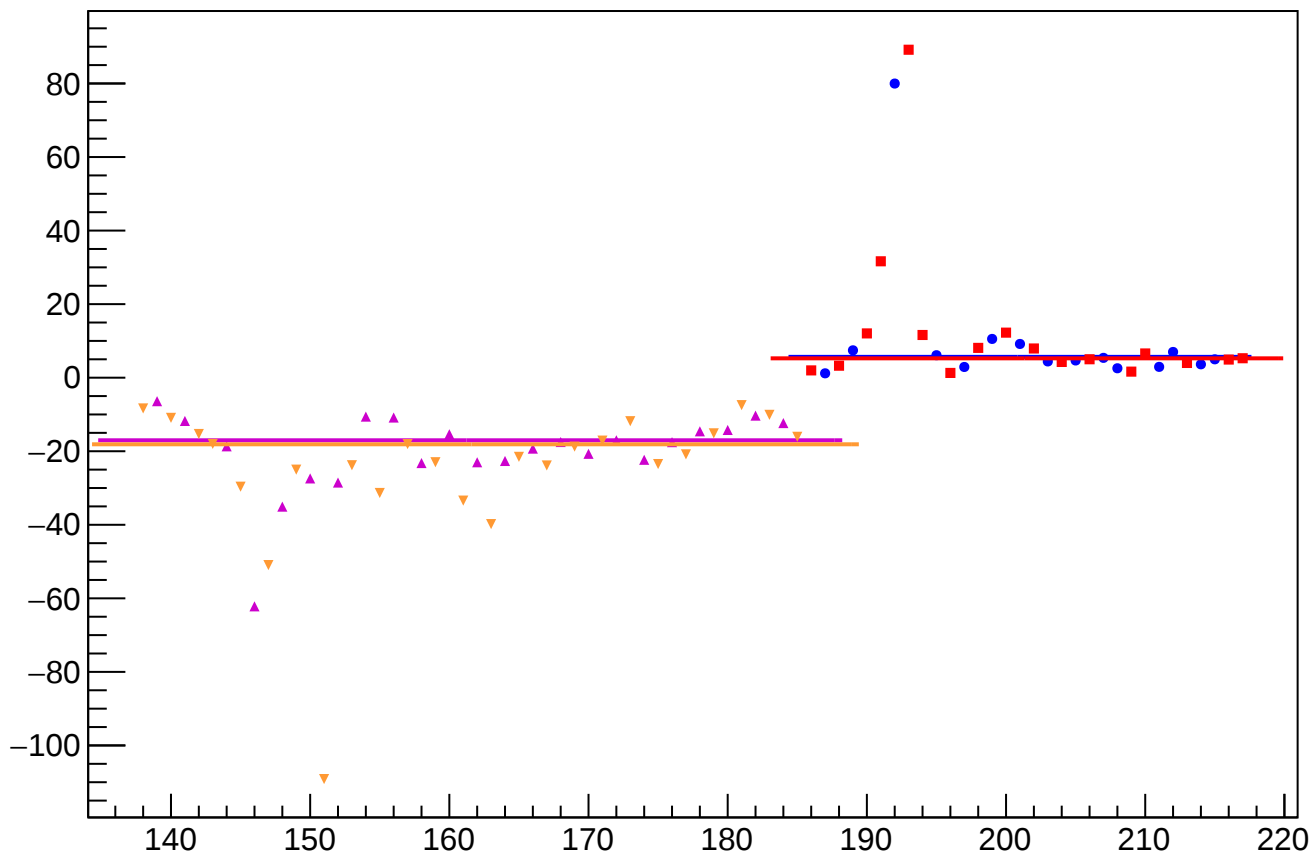
Left In: 0.087 ± 0.001 χ^2/NDF : 3625.5/22

+ sign 0.149 ± 0.001 χ^2/NDF : 18237.8/56

All: 0.136 ± 0.001 χ^2/NDF : 40139.0/115

- sign 0.125 ± 0.001 χ^2/NDF : 21735.1/58

reg_asym_bcm_an_us_diff_bpm1X_slope vs Slug



Right In: 5.661 ± 0.048 $\chi^2/\text{NDF}: 26681.8/14$

Left Out: -18.112 ± 0.039 $\chi^2/\text{NDF}: 88529.7/24$

Right Out: 5.261 ± 0.046 $\chi^2/\text{NDF}: 27264.0/16$

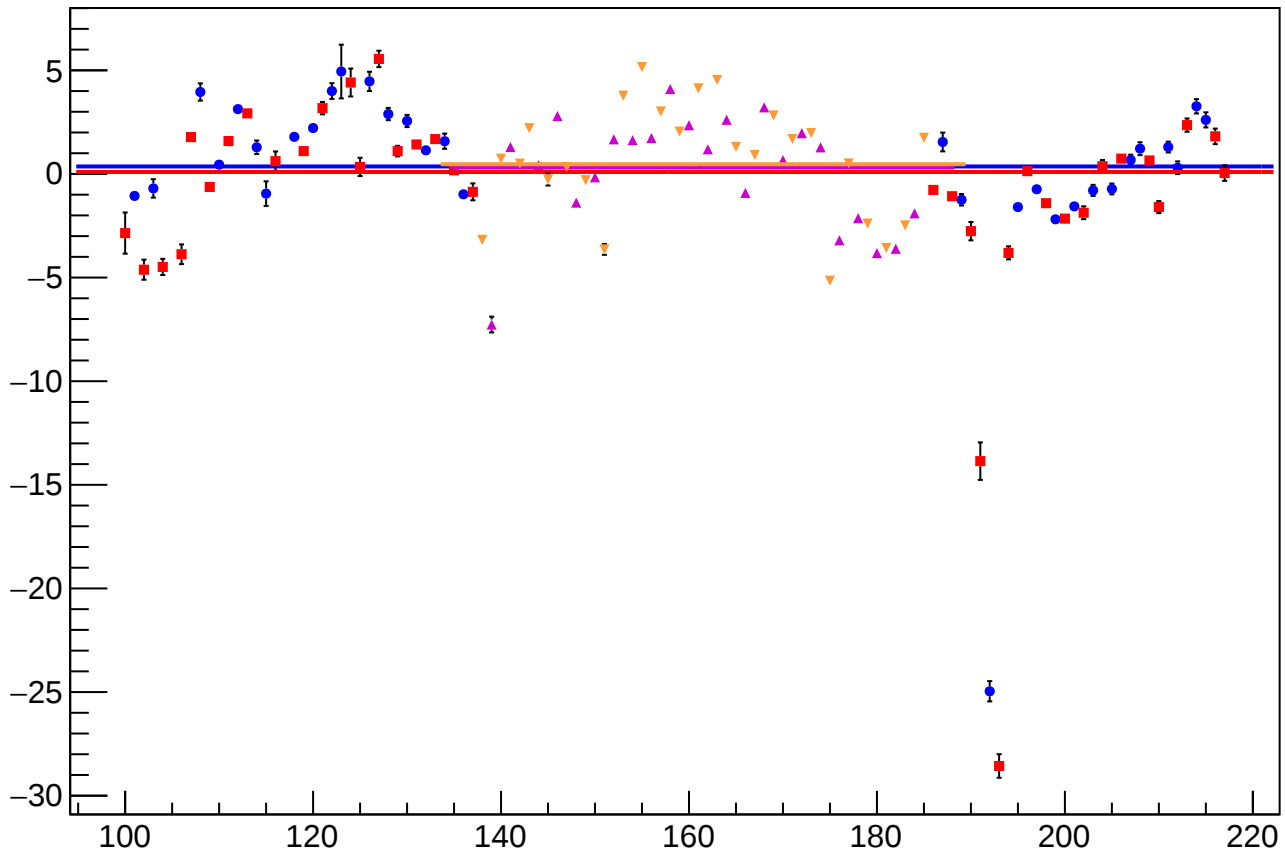
Left In: -17.024 ± 0.038 $\chi^2/\text{NDF}: 44141.8/22$

+ sign -8.831 ± 0.030 $\chi^2/\text{NDF}: 261740.7/39$

All: -8.436 ± 0.021 $\chi^2/\text{NDF}: 471389.1/79$

- sign -8.064 ± 0.029 $\chi^2/\text{NDF}: 209319.0/39$

reg_asym_bcm_an_us_diff_bpm4aY_slope vs Slug



Right In: 0.361 ± 0.046 χ^2/NDF : 4085.7/31

Left Out: 0.469 ± 0.032 χ^2/NDF : 7093.0/24

Right Out: 0.095 ± 0.044 χ^2/NDF : 4527.4/35

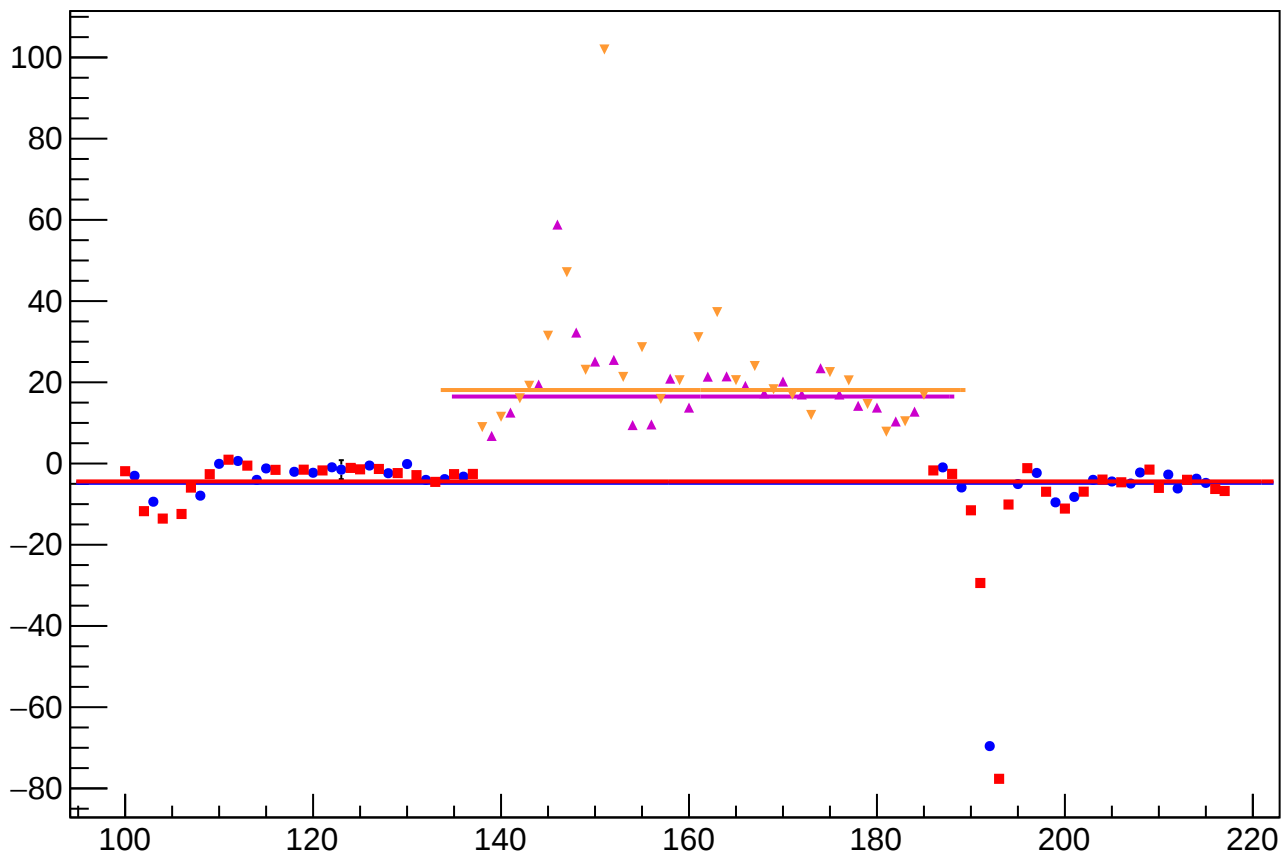
Left In: 0.311 ± 0.031 χ^2/NDF : 6183.1/22

+ sign 0.434 ± 0.026 χ^2/NDF : 11182.4/56

All: 0.331 ± 0.018 χ^2/NDF : 21937.7/115

- sign 0.239 ± 0.025 χ^2/NDF : 10726.9/58

reg_asym_bcm_an_us_diff_bpm4eX_slope vs Slug



Right In: -4.753 ± 0.043 $\chi^2/\text{NDF}: 27587.9/31$

Left Out: 18.101 ± 0.039 $\chi^2/\text{NDF}: 77839.7/24$

Right Out: -4.404 ± 0.039 $\chi^2/\text{NDF}: 28907.7/35$

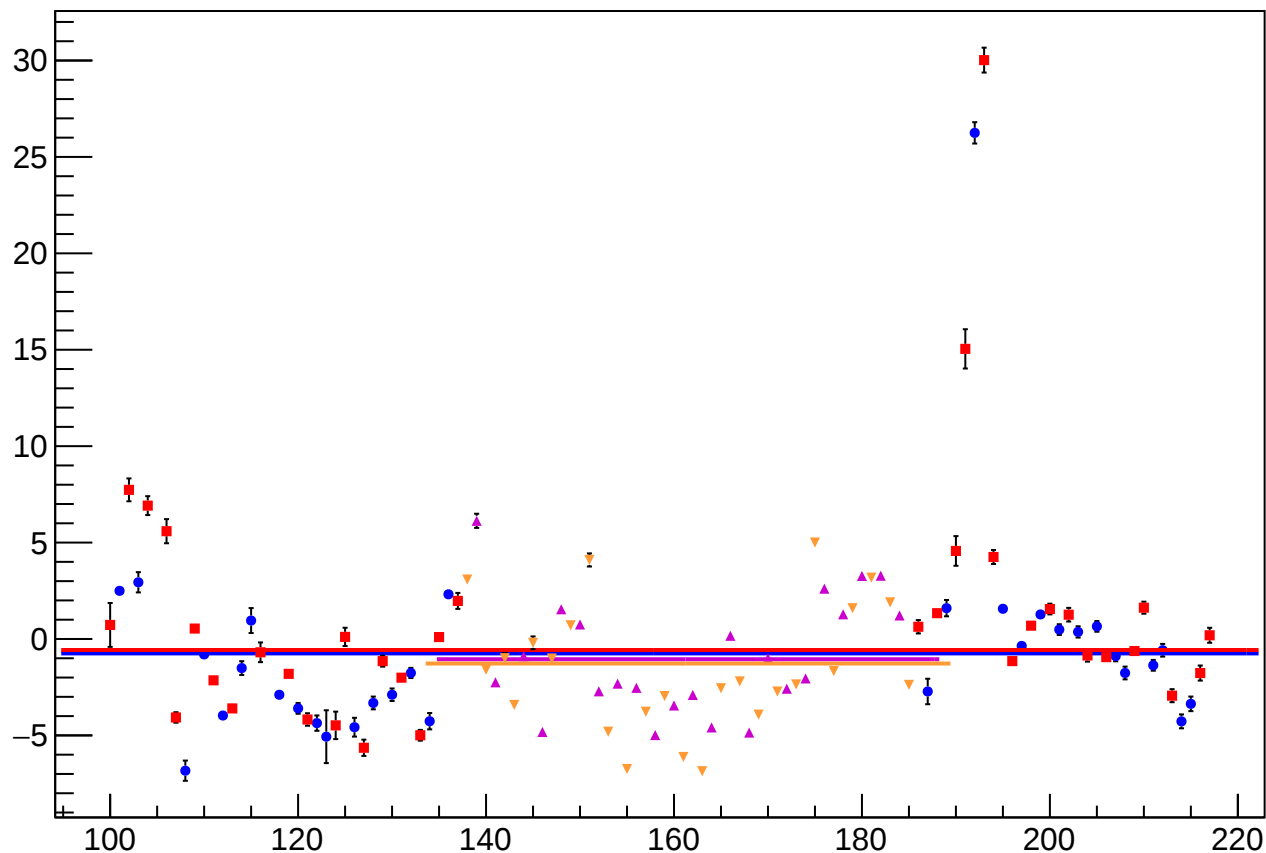
Left In: 16.496 ± 0.038 $\chi^2/\text{NDF}: 40867.3/22$

+ sign 7.740 ± 0.029 $\chi^2/\text{NDF}: 261193.8/56$

All: 7.106 ± 0.020 $\chi^2/\text{NDF}: 478641.5/115$

- sign 6.540 ± 0.027 $\chi^2/\text{NDF}: 216531.7/58$

reg_asym_bcm_an_us_diff_bpm4eY_slope vs Slug



Right In: -0.748 ± 0.053 χ^2/NDF : 4186.5/31

Left Out: -1.273 ± 0.036 χ^2/NDF : 7951.6/24

Right Out: -0.572 ± 0.050 χ^2/NDF : 4733.2/35

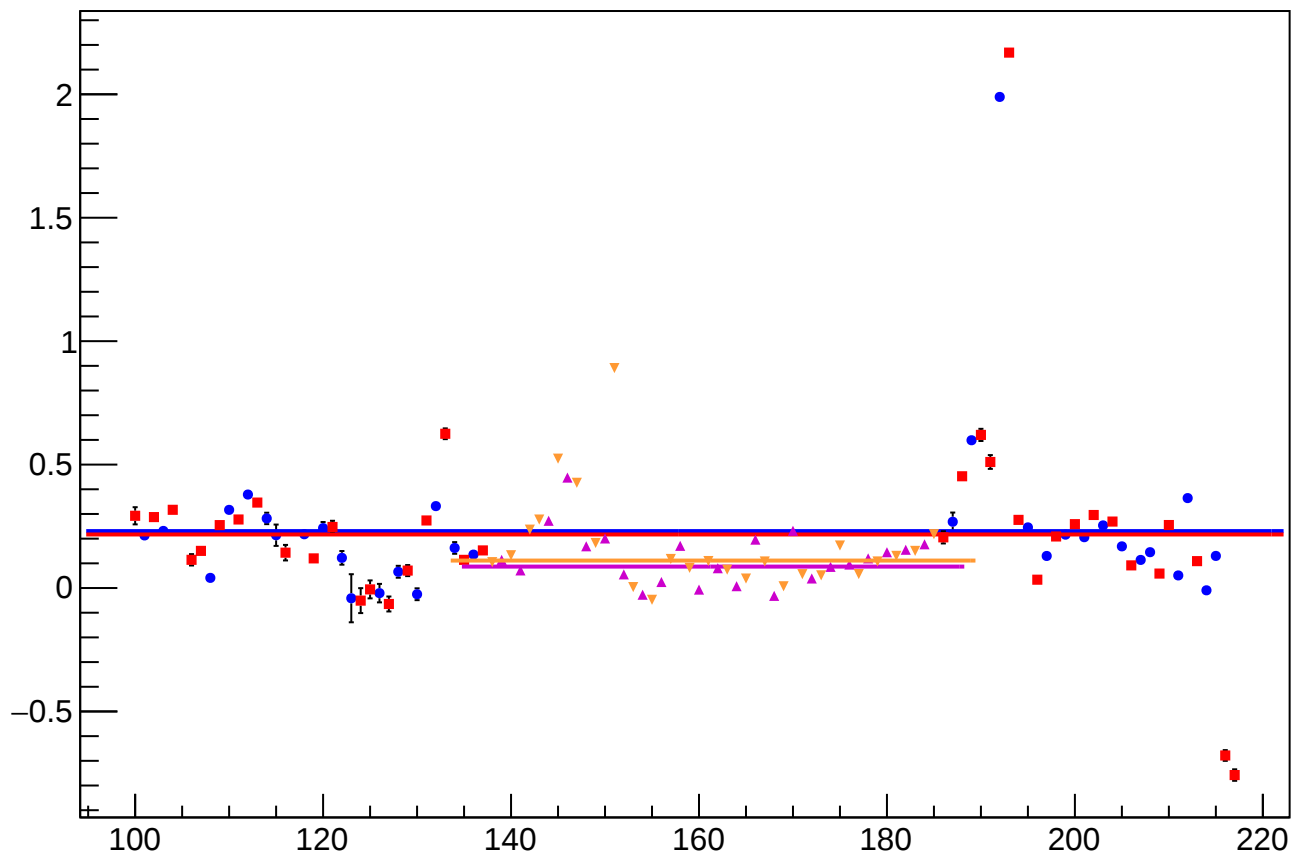
Left In: -1.050 ± 0.034 χ^2/NDF : 6673.4/22

+ sign -1.108 ± 0.030 χ^2/NDF : 12205.6/56

All: -0.999 ± 0.020 χ^2/NDF : 23700.4/115

- sign -0.900 ± 0.028 χ^2/NDF : 11468.9/58

reg_asym_bcm_an_us_diff_bpm12X_slope vs Slug



Right In: 0.231 $\pm$ 0.002 χ^2 /NDF: 12001.5/31

Left Out: 0.111 $\pm$ 0.002 χ^2 /NDF: 4474.5/24

Right Out: 0.217 $\pm$ 0.002 χ^2 /NDF: 15834.9/35

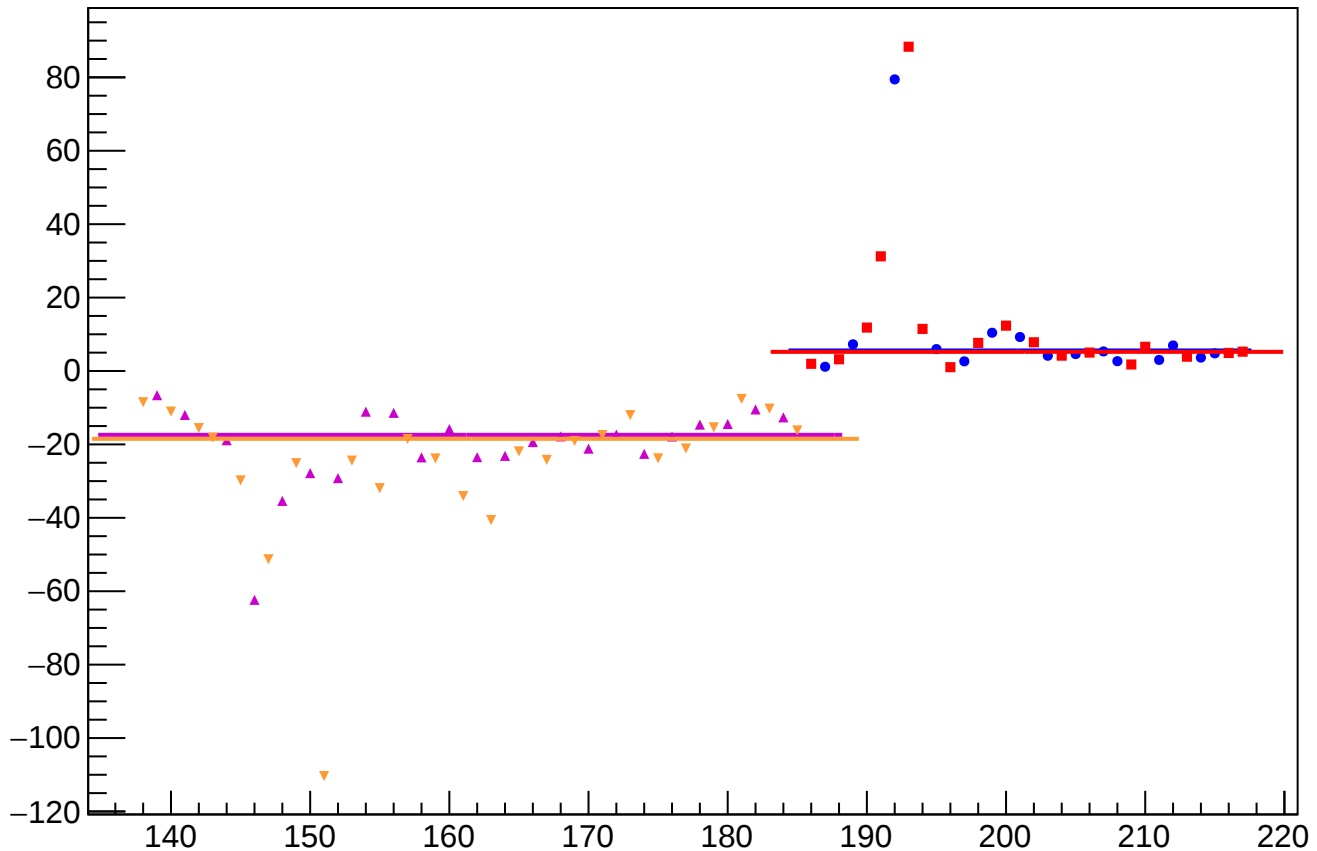
Left In: 0.087 $\pm$ 0.001 χ^2 /NDF: 3598.5/22

+ sign 0.149 $\pm$ 0.001 χ^2 /NDF: 18236.8/56

All: 0.137 $\pm$ 0.001 χ^2 /NDF: 40092.4/115

- sign 0.126 $\pm$ 0.001 χ^2 /NDF: 21694.5/58

reg_asym_bcm_dg_ds_diff_bpm1X_slope vs Slug



Right In: 5.599 ± 0.049 χ^2/NDF : 26203.2/14

Left Out: -18.479 ± 0.040 χ^2/NDF : 87883.4/24

Right Out: 5.216 ± 0.047 χ^2/NDF : 26683.2/16

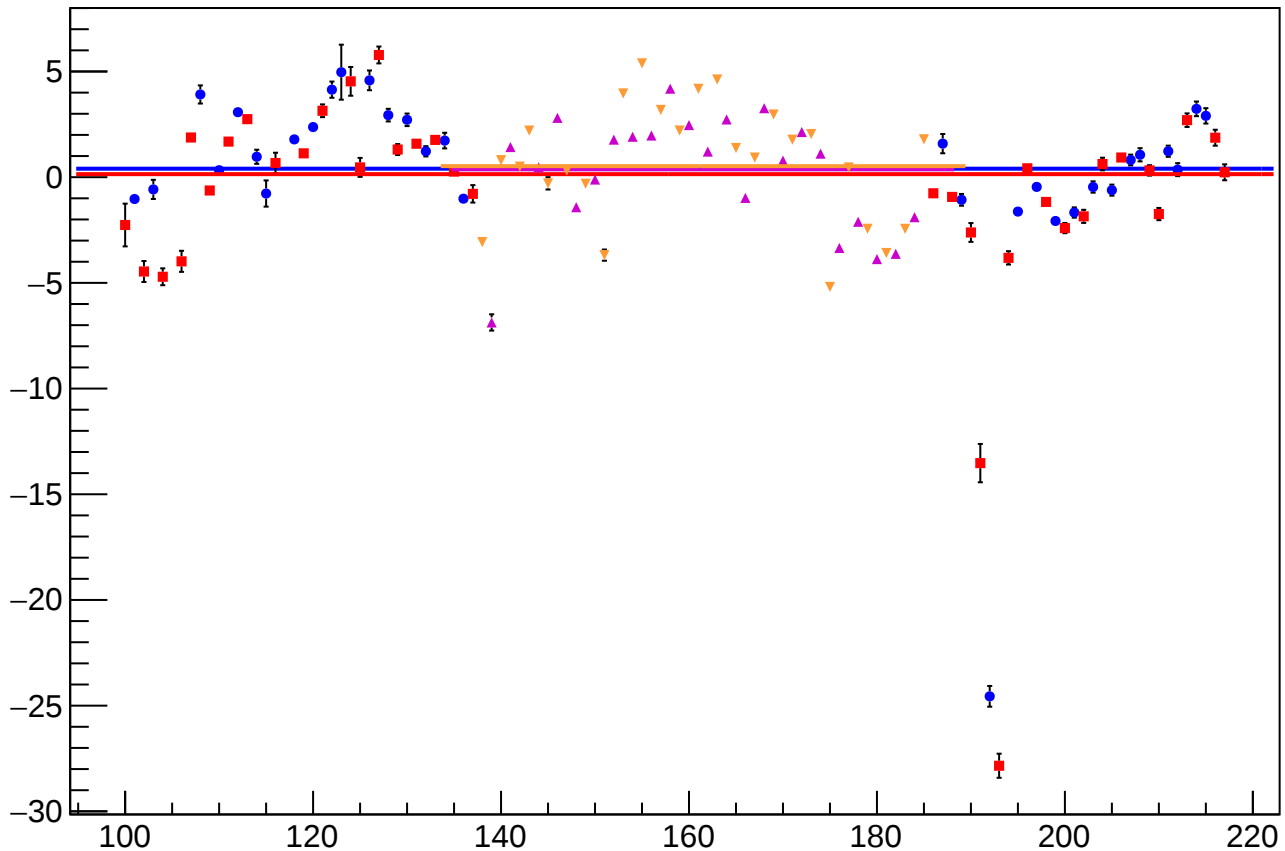
Left In: -17.393 ± 0.039 χ^2/NDF : 43178.9/22

+ sign -8.874 ± 0.031 χ^2/NDF : 260820.1/39

All: -8.471 ± 0.021 χ^2/NDF : 469576.8/79

- sign -8.091 ± 0.030 χ^2/NDF : 208423.3/39

reg_asym_bcm_dg_ds_diff_bpm4aY_slope vs Slug



Right In: 0.402 ± 0.047 χ^2/NDF : 3954.1/31

Left Out: 0.522 ± 0.033 χ^2/NDF : 7055.1/24

Right Out: 0.143 ± 0.044 χ^2/NDF : 4387.7/35

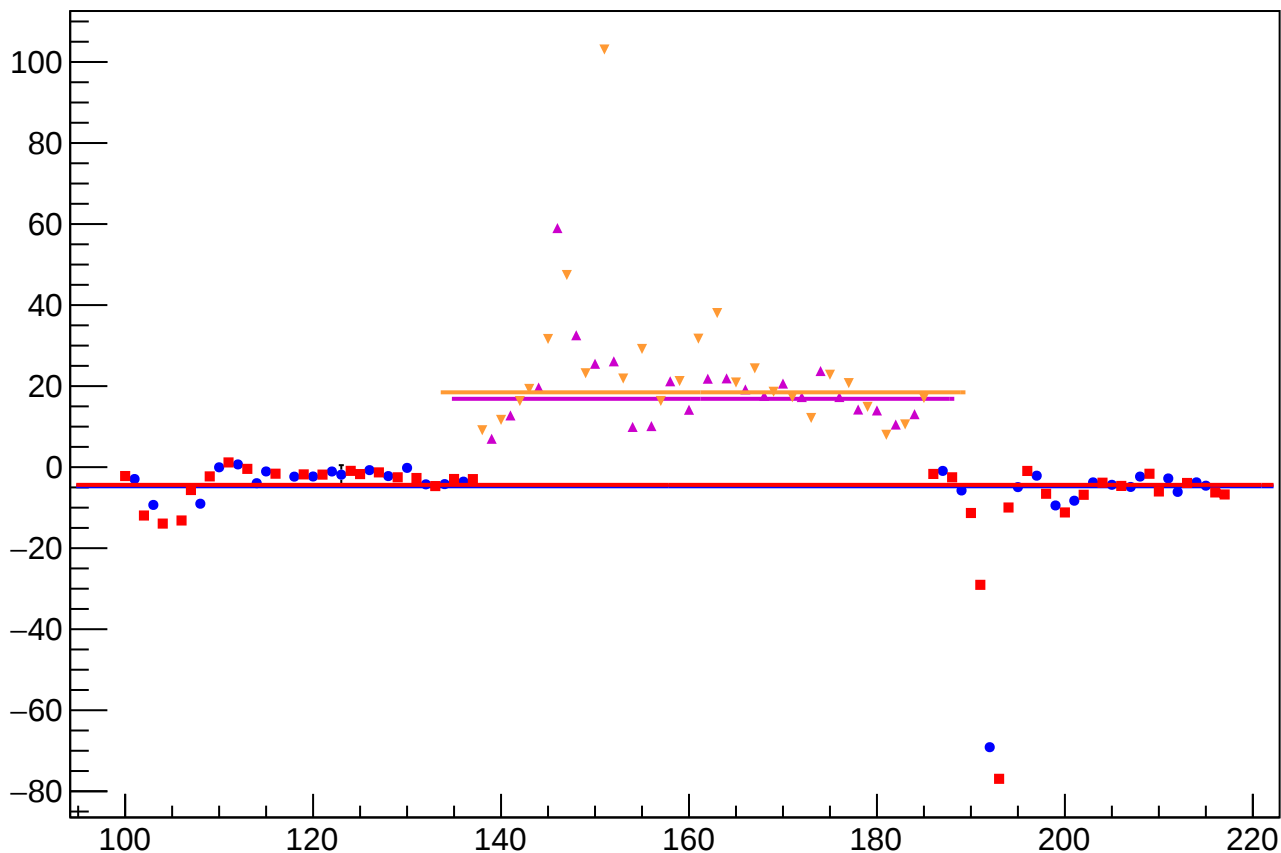
Left In: 0.371 ± 0.031 χ^2/NDF : 6217.4/22

+ sign 0.482 ± 0.027 χ^2/NDF : 11013.5/56

All: 0.383 ± 0.019 χ^2/NDF : 21661.6/115

- sign 0.295 ± 0.026 χ^2/NDF : 10622.8/58

reg_asym_bcm_dg_ds_diff_bpm4eX_slope vs Slug



Right In: -4.726+/-0.043 χ^2/NDF : 27076.0/31

Left Out: 18.467+/-0.040 χ^2/NDF : 77226.7/24

Right Out: -4.369+/-0.040 χ^2/NDF : 28353.9/35

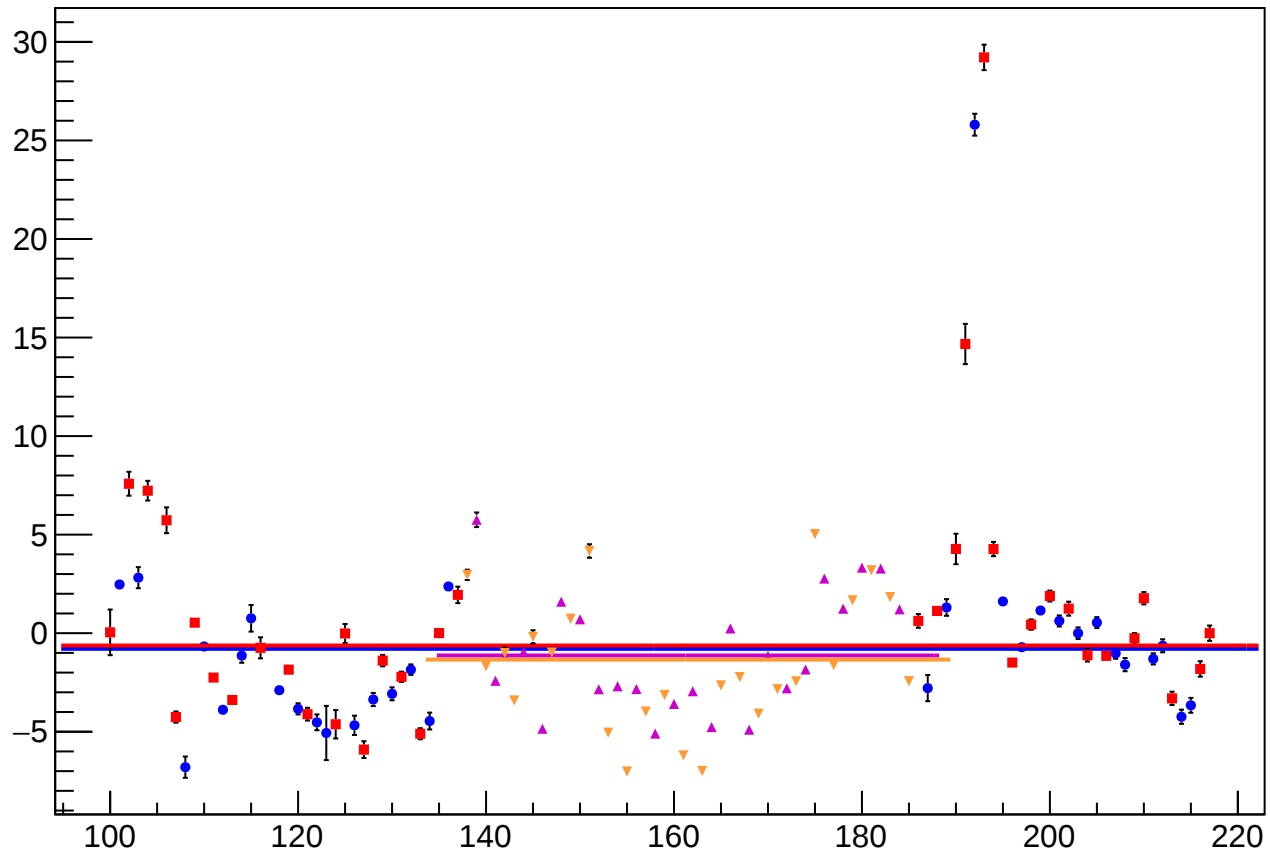
Left In: 16.867+/-0.039 χ^2/NDF : 39779.0/22

+ sign 7.773+/-0.029 χ^2/NDF : 260223.4/56

All: 7.137+/-0.020 χ^2/NDF : 476281.9/115

- sign 6.569+/-0.028 χ^2/NDF : 215165.5/58

reg_asym_bcm_dg_ds_diff_bpm4eY_slope vs Slug



Right In: -0.793 ± 0.054 $\chi^2/\text{NDF}: 4071.4/31$

Left Out: -1.340 ± 0.037 $\chi^2/\text{NDF}: 7907.4/24$

Right Out: -0.627 ± 0.051 $\chi^2/\text{NDF}: 4604.0/35$

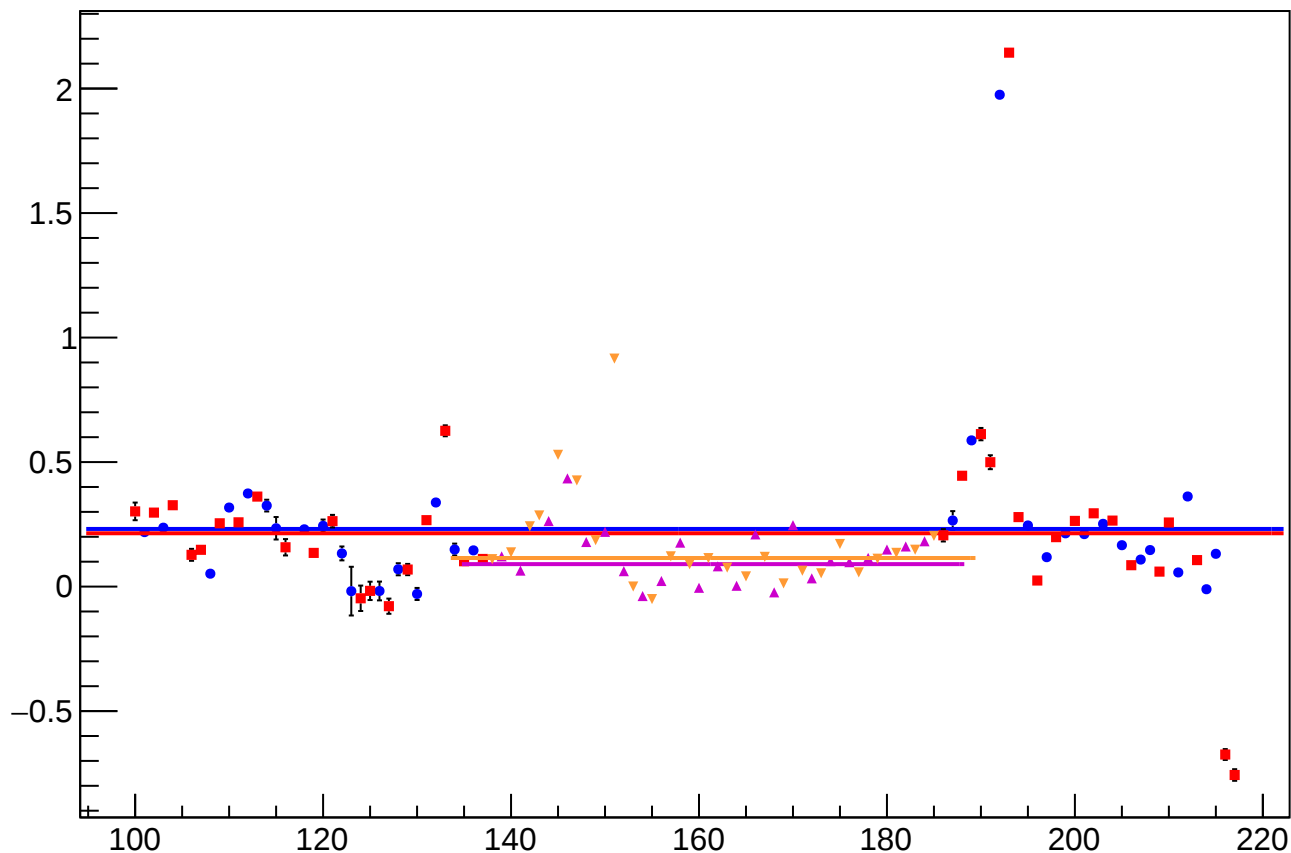
Left In: -1.132 ± 0.035 $\chi^2/\text{NDF}: 6708.5/22$

+ sign -1.166 ± 0.030 $\chi^2/\text{NDF}: 12049.8/56$

All: -1.063 ± 0.021 $\chi^2/\text{NDF}: 23451.4/115$

- sign -0.971 ± 0.029 $\chi^2/\text{NDF}: 11379.6/58$

reg_asym_bcm_dg_ds_diff_bpm12X_slope vs Slug



Right In: 0.231 ± 0.002 χ^2/NDF : 11742.0/31

Left Out: 0.115 ± 0.002 χ^2/NDF : 4431.9/24

Right Out: 0.214 ± 0.002 χ^2/NDF : 15623.2/35

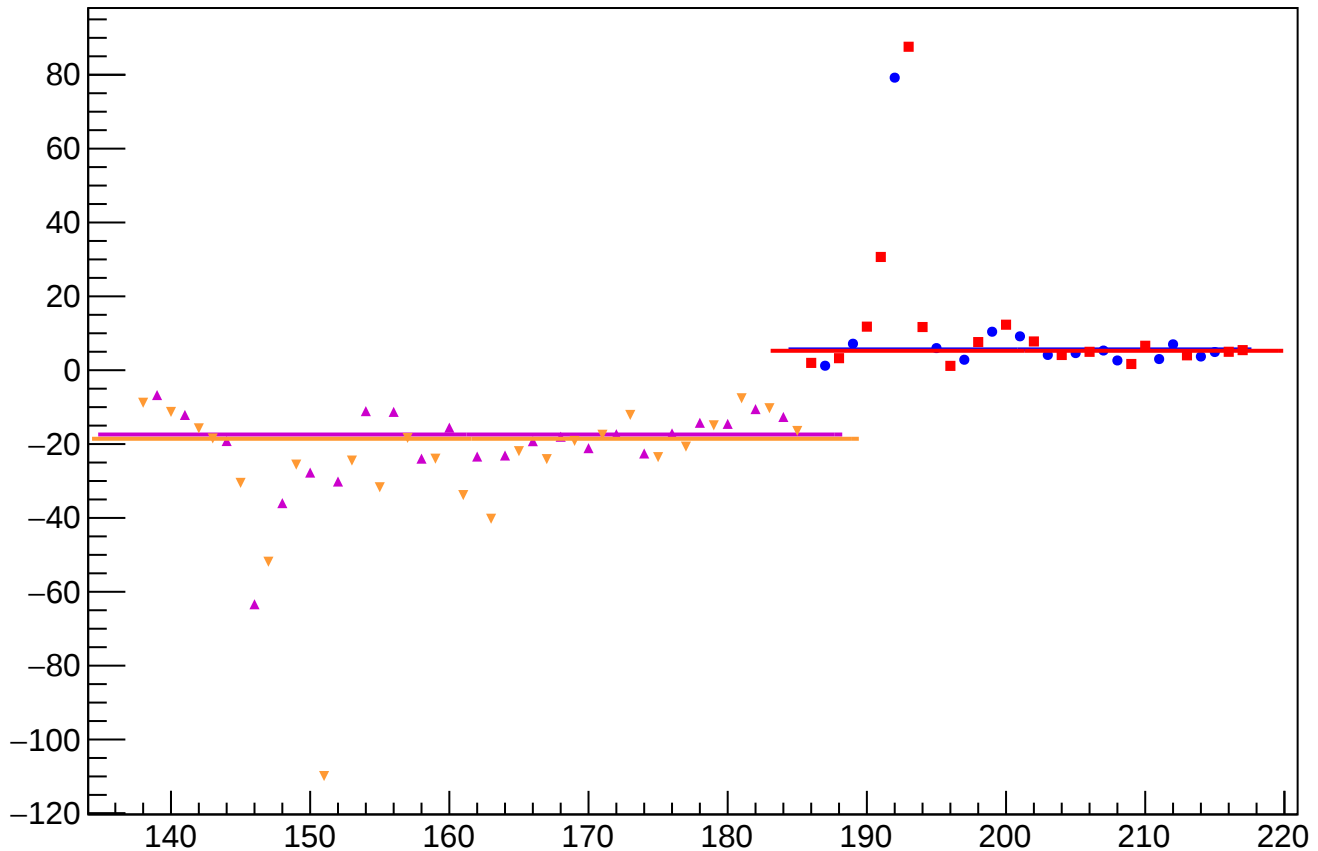
Left In: 0.090 ± 0.002 χ^2/NDF : 3676.5/22

+ sign 0.152 ± 0.001 χ^2/NDF : 17811.6/56

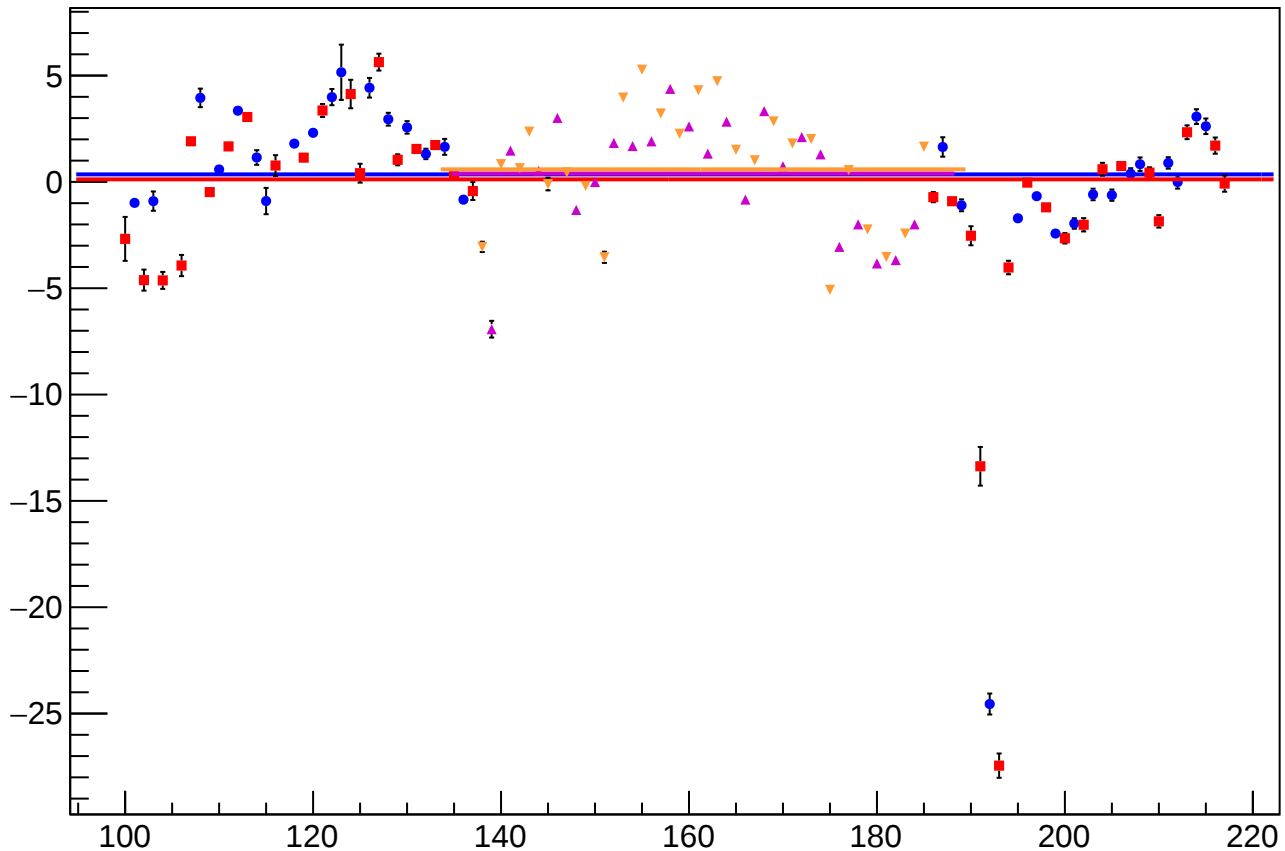
All: 0.140 ± 0.001 χ^2/NDF : 39271.7/115

- sign 0.128 ± 0.001 χ^2/NDF : 21290.6/58

reg_asym_bcm_dg_us_diff_bpm1X_slope vs Slug



reg_asym_bcm_dg_us_diff_bpm4aY_slope vs Slug



Right In: 0.354 ± 0.047 χ^2/NDF : 3969.6/31

Left Out: 0.591 ± 0.033 χ^2/NDF : 6796.5/24

Right Out: 0.119 ± 0.045 χ^2/NDF : 4324.1/35

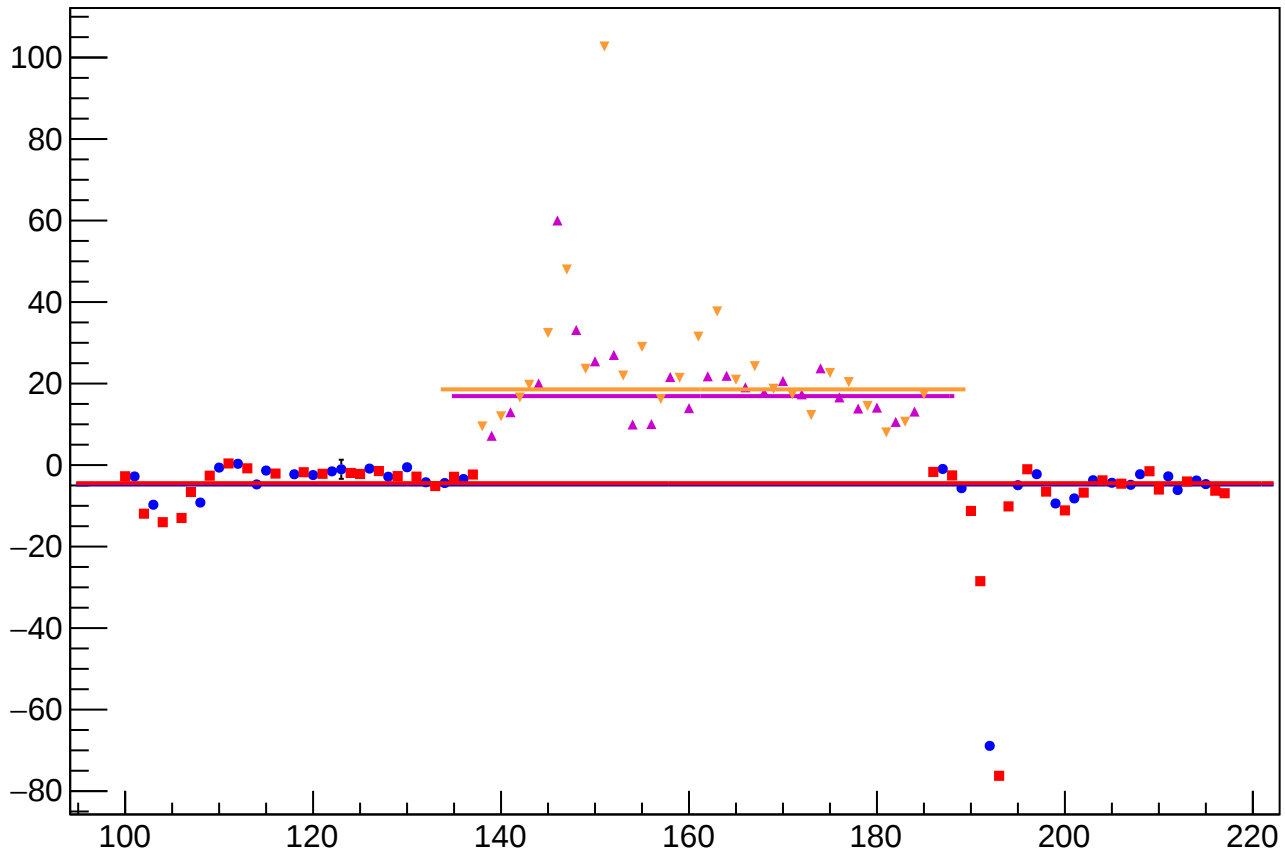
Left In: 0.394 ± 0.032 χ^2/NDF : 6059.8/22

+ sign 0.512 ± 0.027 χ^2/NDF : 10782.9/56

All: 0.402 ± 0.019 χ^2/NDF : 21223.2/115

- sign 0.302 ± 0.026 χ^2/NDF : 10409.0/58

reg_asym_bcm_dg_us_diff_bpm4eX_slope vs Slug



Right In: -4.770 ± 0.044 $\chi^2/\text{NDF}: 26412.7/31$

Left Out: 18.573 ± 0.040 $\chi^2/\text{NDF}: 76029.9/24$

Right Out: -4.441 ± 0.040 $\chi^2/\text{NDF}: 27496.2/35$

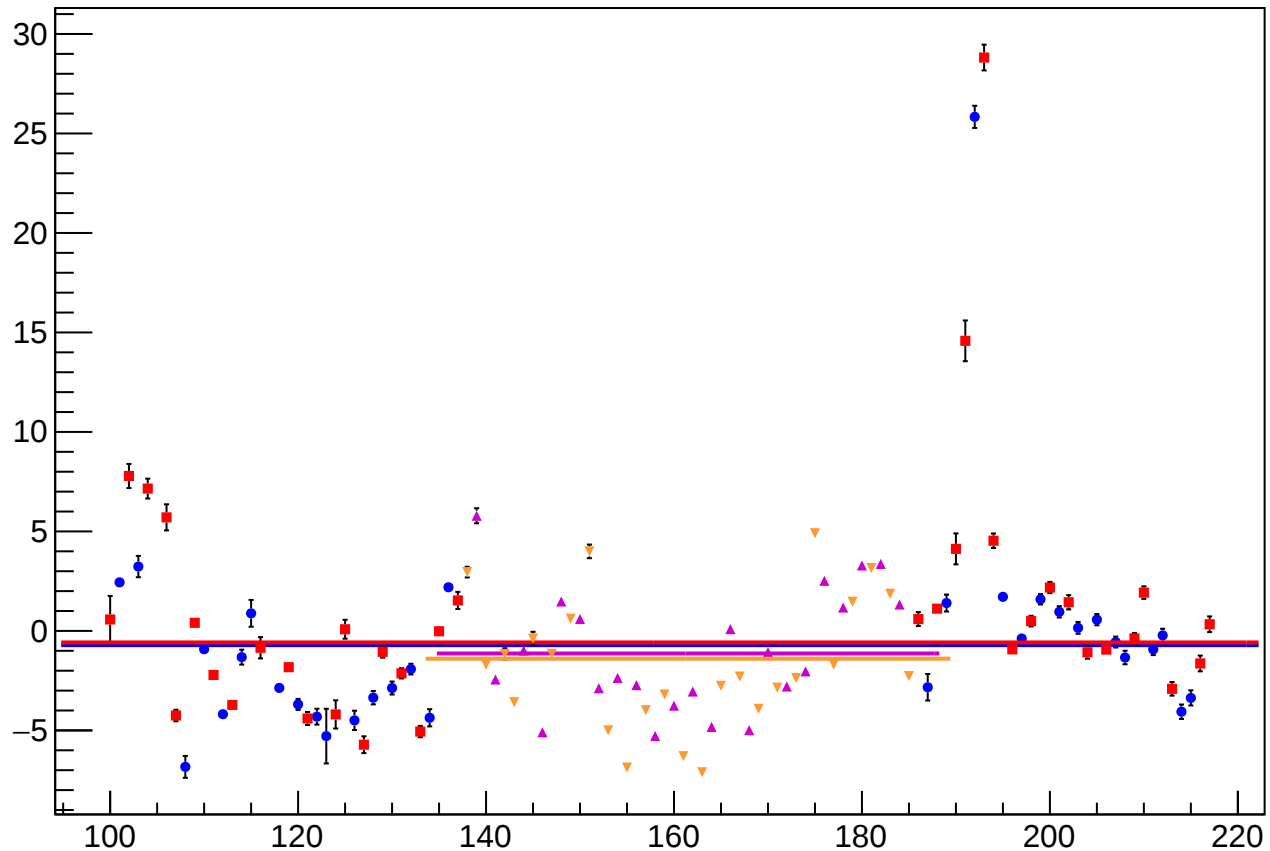
Left In: 16.919 ± 0.039 $\chi^2/\text{NDF}: 40154.5/22$

+ sign 7.840 ± 0.030 $\chi^2/\text{NDF}: 257003.6/56$

All: 7.195 ± 0.020 $\chi^2/\text{NDF}: 470922.4/115$

- sign 6.617 ± 0.028 $\chi^2/\text{NDF}: 213016.1/58$

reg_asym_bcm_dg_us_diff_bpm4eY_slope vs Slug



Right In: -0.714 ± 0.054 $\chi^2/\text{NDF}: 4046.1/31$

Left Out: -1.396 ± 0.037 $\chi^2/\text{NDF}: 7651.5/24$

Right Out: -0.579 ± 0.052 $\chi^2/\text{NDF}: 4530.0/35$

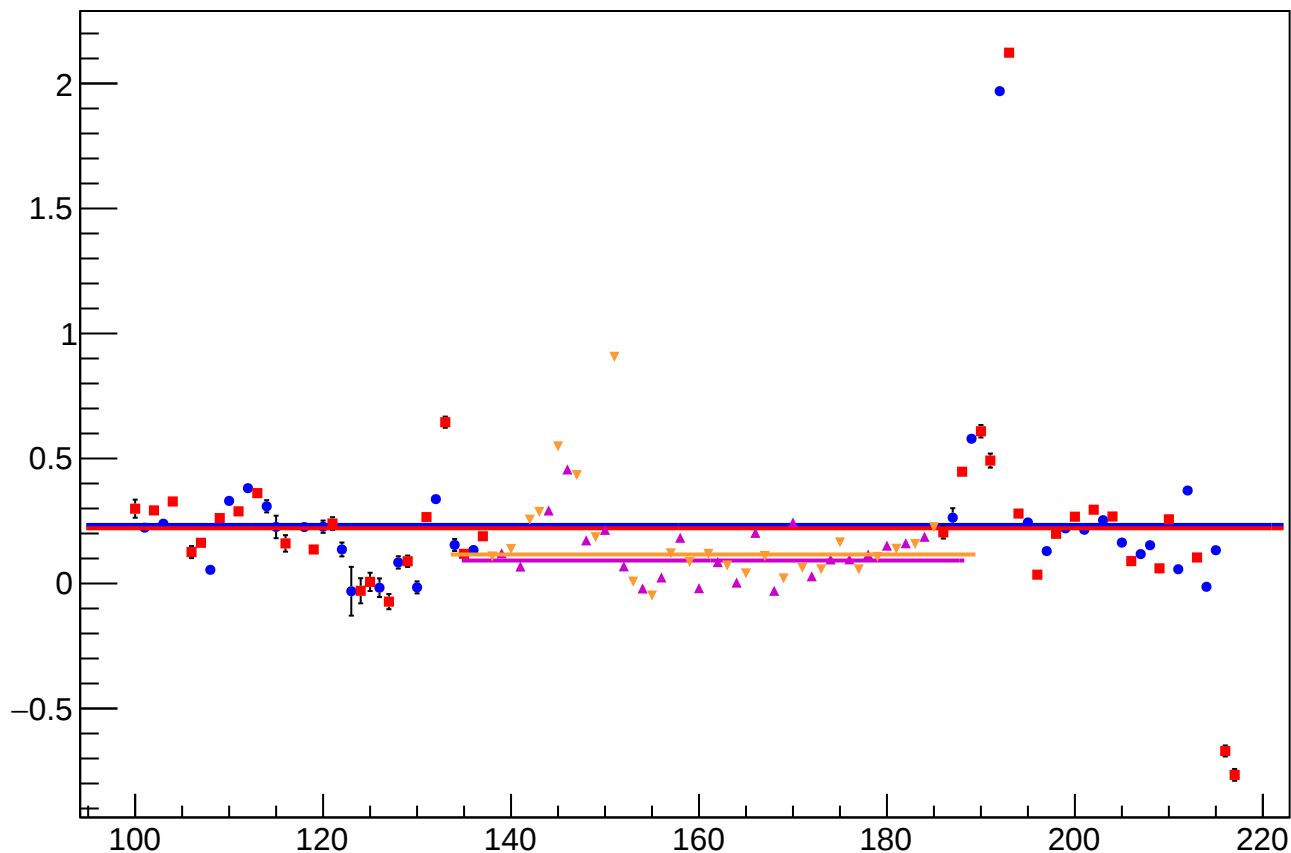
Left In: -1.135 ± 0.035 $\chi^2/\text{NDF}: 6597.7/22$

+ sign -1.180 ± 0.031 $\chi^2/\text{NDF}: 11805.9/56$

All: -1.064 ± 0.021 $\chi^2/\text{NDF}: 23040.3/115$

- sign -0.958 ± 0.029 $\chi^2/\text{NDF}: 11206.7/58$

reg_asym_bcm_dg_us_diff_bpm12X_slope vs Slug



Right In: 0.234 $\pm$ 0.002 χ^2 /NDF: 11487.5/31

Left Out: 0.116 $\pm$ 0.002 χ^2 /NDF: 4463.0/24

Right Out: 0.221 $\pm$ 0.002 χ^2 /NDF: 15095.1/35

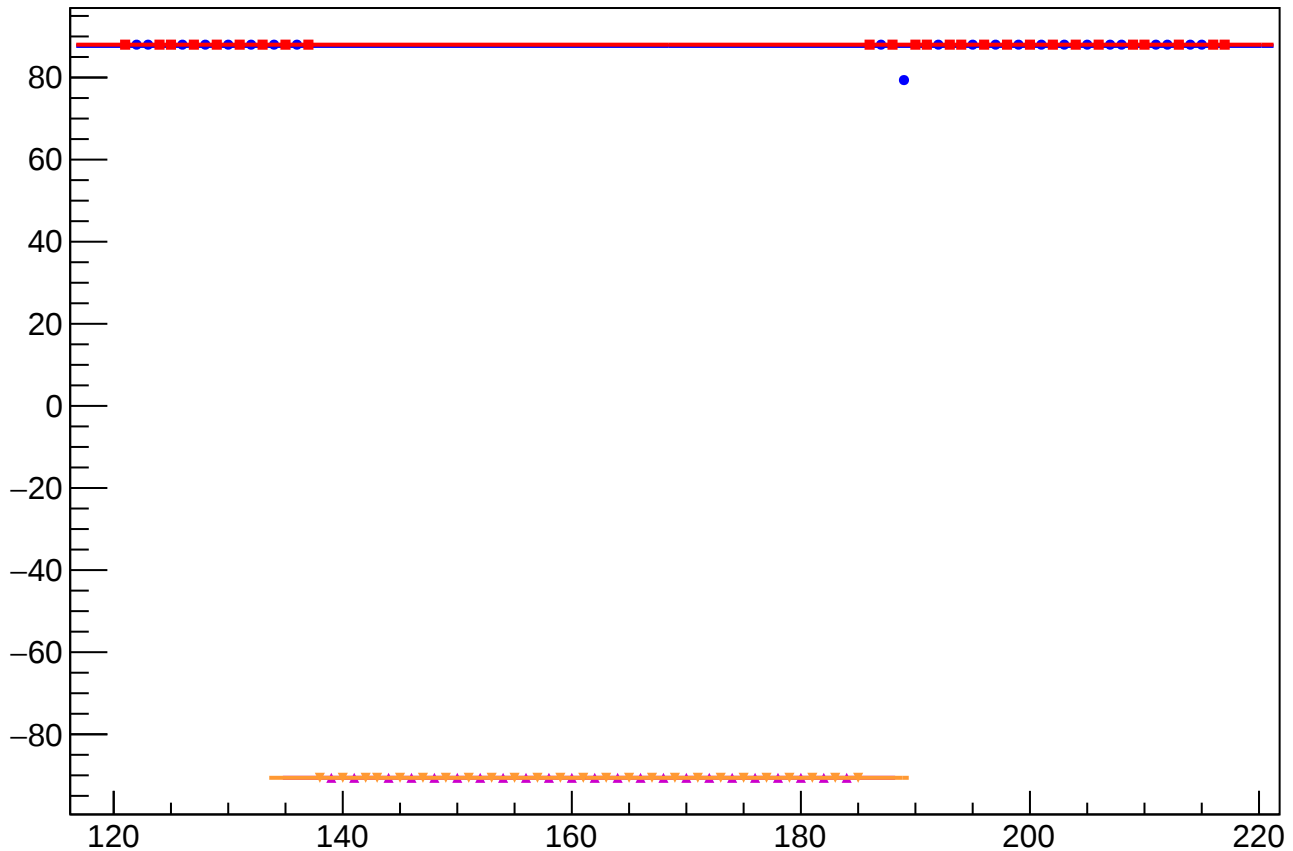
Left In: 0.092 $\pm$ 0.002 χ^2 /NDF: 3631.4/22

+ sign 0.154 $\pm$ 0.001 χ^2 /NDF: 17595.2/56

All: 0.142 $\pm$ 0.001 χ^2 /NDF: 38565.3/115

- sign 0.131 $\pm$ 0.001 χ^2 /NDF: 20822.7/58

VWienAngle_mean vs Slug



Right In: 87.695+/-0.000 χ^2/NDF : 3661599069917252979823036636069888.0/22

Left Out: -90.599+/-0.000 χ^2/NDF : 6053403.0/24

Right Out: 88.001+/-0.000 χ^2/NDF : 1353862.0/25

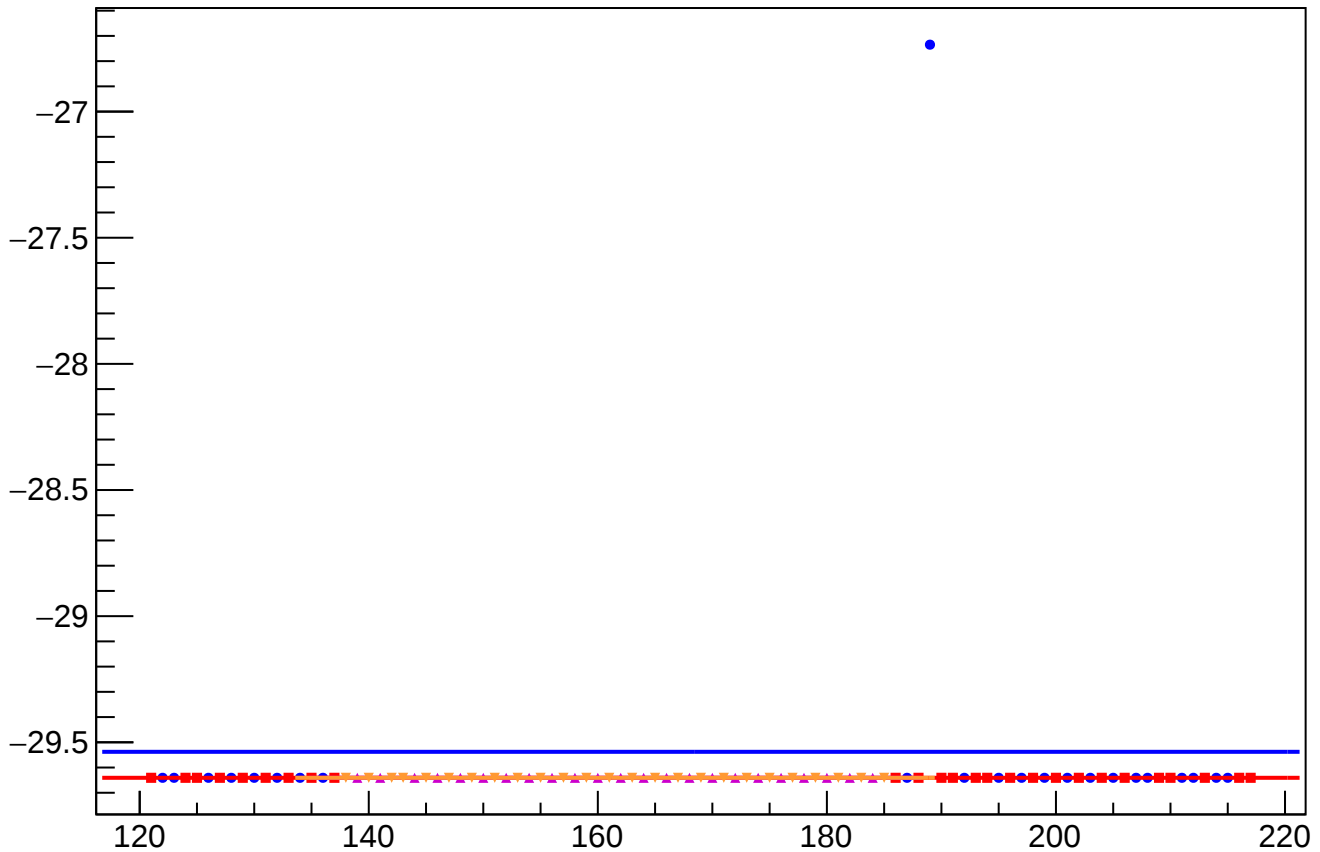
Left In: -90.599+/-0.000 χ^2/NDF : 5932436.0/22

+ sign -13.990+/-0.000 χ^2/NDF : 260924307162101

All: -11.552+/-0.000 χ^2/NDF : 524926467978

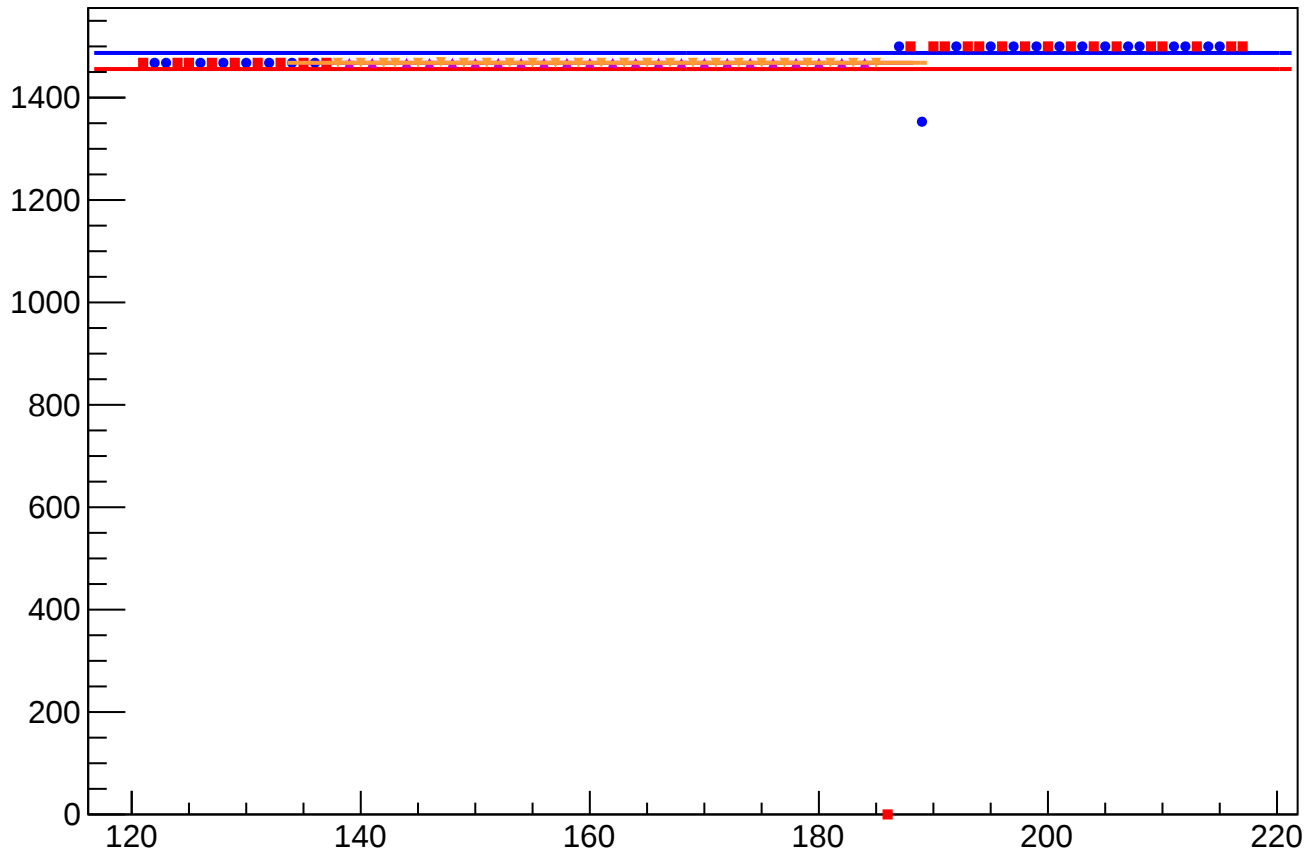
- sign -9.101+/-0.000 χ^2/NDF : 26360297943920728

HWienAngle_mean vs Slug



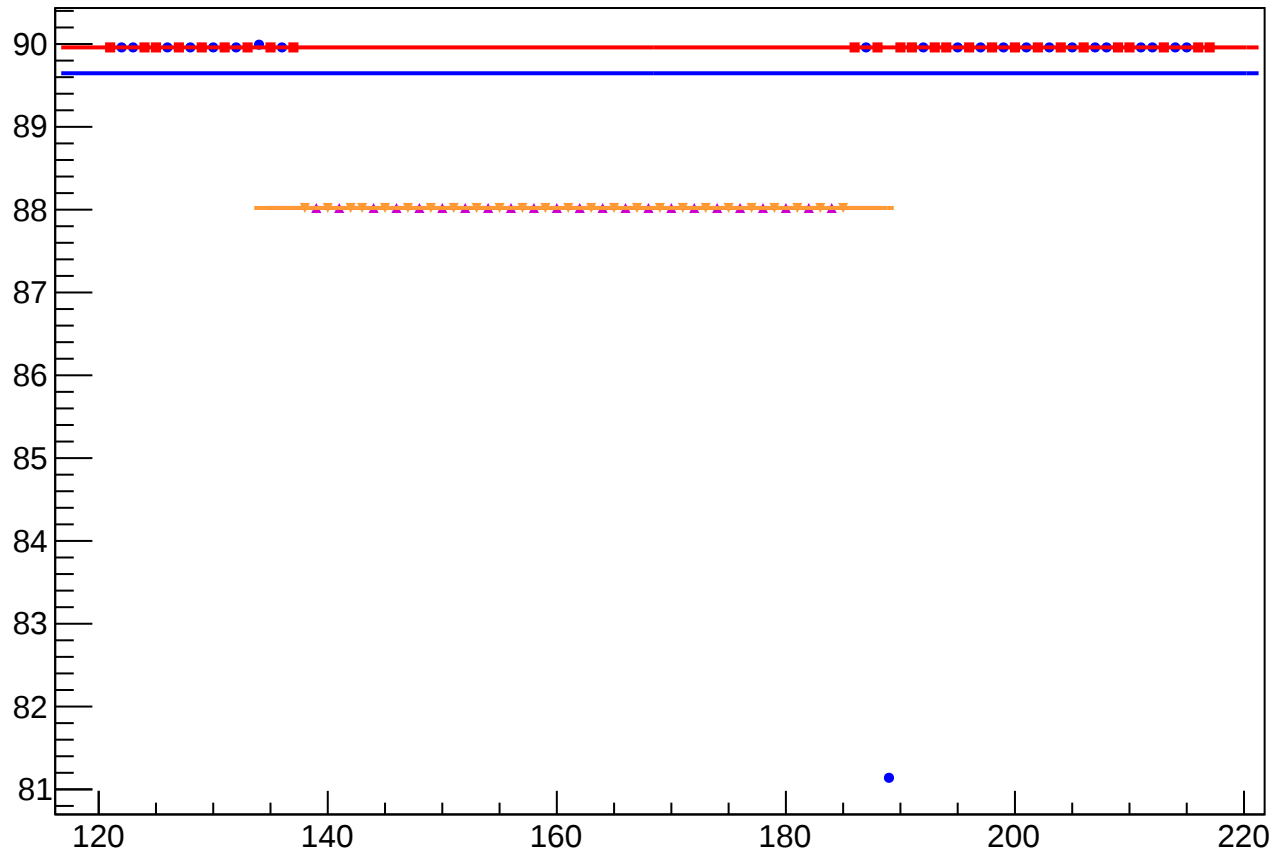
Right In: -29.538+/-0.000 χ^2/NDF : 415408623588403353104421952159744.0/22
Left Out: -29.641+/-0.000 χ^2/NDF : 654199.2/24 + sign -29.596+/-0.000 χ^2/NDF : 424113737081728
Right Out: -29.641+/-0.000 χ^2/NDF : 1555532.7/25 All: -29.619+/-0.000 χ^2/NDF : 427384130759
Left In: -29.641+/-0.000 χ^2/NDF : 511825.6/22 - sign -29.641+/-0.000 χ^2/NDF : 2487814.9/48

psub_pl_pos_mean vs Slug



Right In: 1487.246+/-0.000	χ^2/NDF : 1216424397693142198653642175466700800.0/22	
	+ sign 1476.297+/-0.000	χ^2/NDF : 15190197451403
Left Out: 1468.048+/-0.000	χ^2/NDF : 127960980922965975039069502046208.0/24	
	All: 1469.387+/-0.000	χ^2/NDF : 84819570838
Right Out: 1455.823+/-0.000	χ^2/NDF : 82857477992421764973188316416090046464.0/25	
	- sign 1462.440+/-0.000	χ^2/NDF : 82979894506762
Left In: 1467.994+/-0.000	χ^2/NDF : 145848702340275035310993178624.0/22	

Phi_FG_mean vs Slug



Right In: 89.647 $\pm$ 0.000 χ^2 /NDF: 3826858604425102603679380795293696.0/22

Left Out: 88.021 $\pm$ 0.000 χ^2 /NDF: 5326388.8/24

Right Out: 89.959 $\pm$ 0.000 χ^2 /NDF: 4351583.9/25

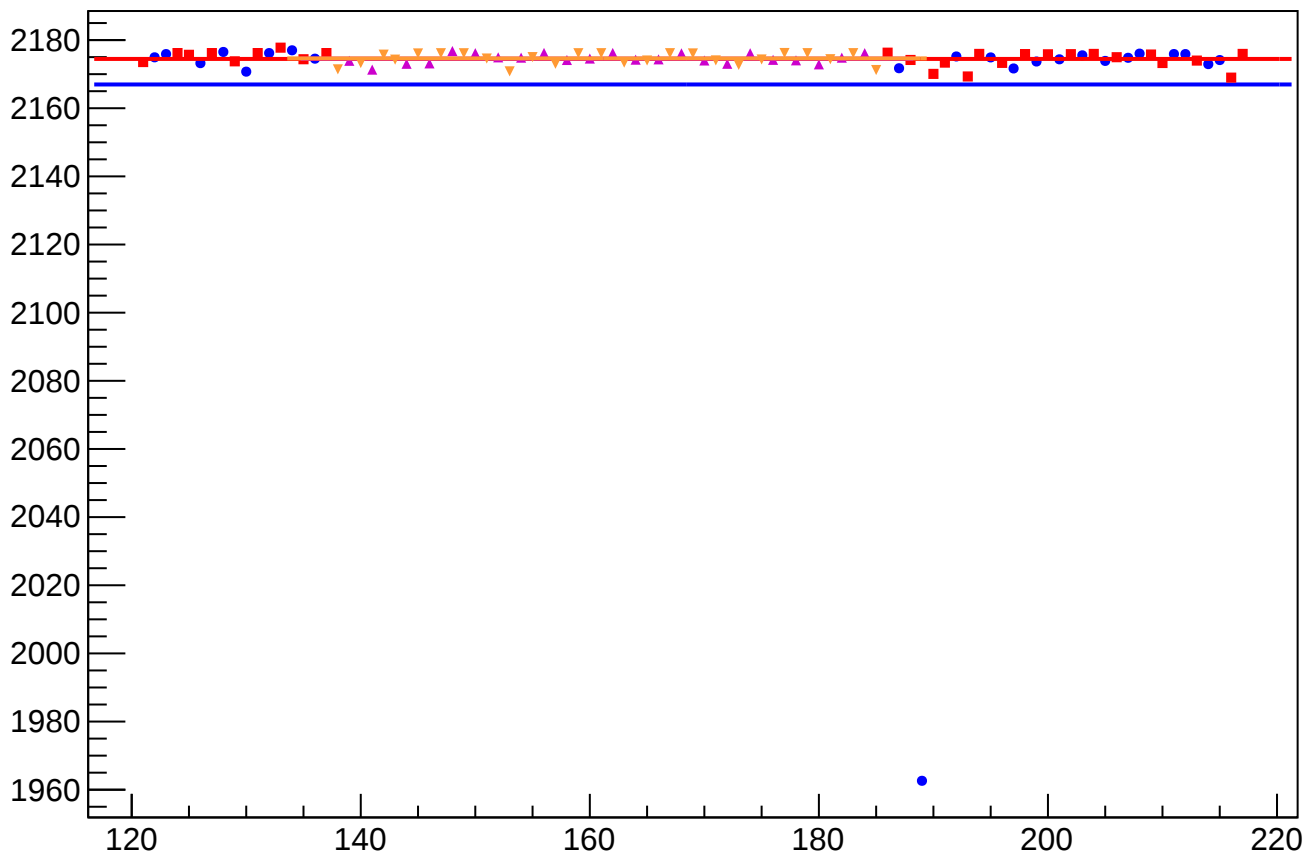
Left In: 88.021 $\pm$ 0.000 χ^2 /NDF: 6084099.2/22

+ sign 88.720 $\pm$ 0.000 χ^2 /NDF: 5997996045193425

All: 88.812 $\pm$ 0.000 χ^2 /NDF: 9161321965235

- sign 88.905 $\pm$ 0.000 χ^2 /NDF: 3105710869742325

HALLA_p_mean vs Slug



Right In: 2166.974+/-0.000 χ^2/NDF : 2211056324357146436969492293884051456.0/22

Left Out: 2174.622+/-0.000 χ^2/NDF : 5110578135476093110874911595823104.0/24

Right Out: 2174.468+/-0.000 χ^2/NDF : 7140607235112282200673629511876608.0/25

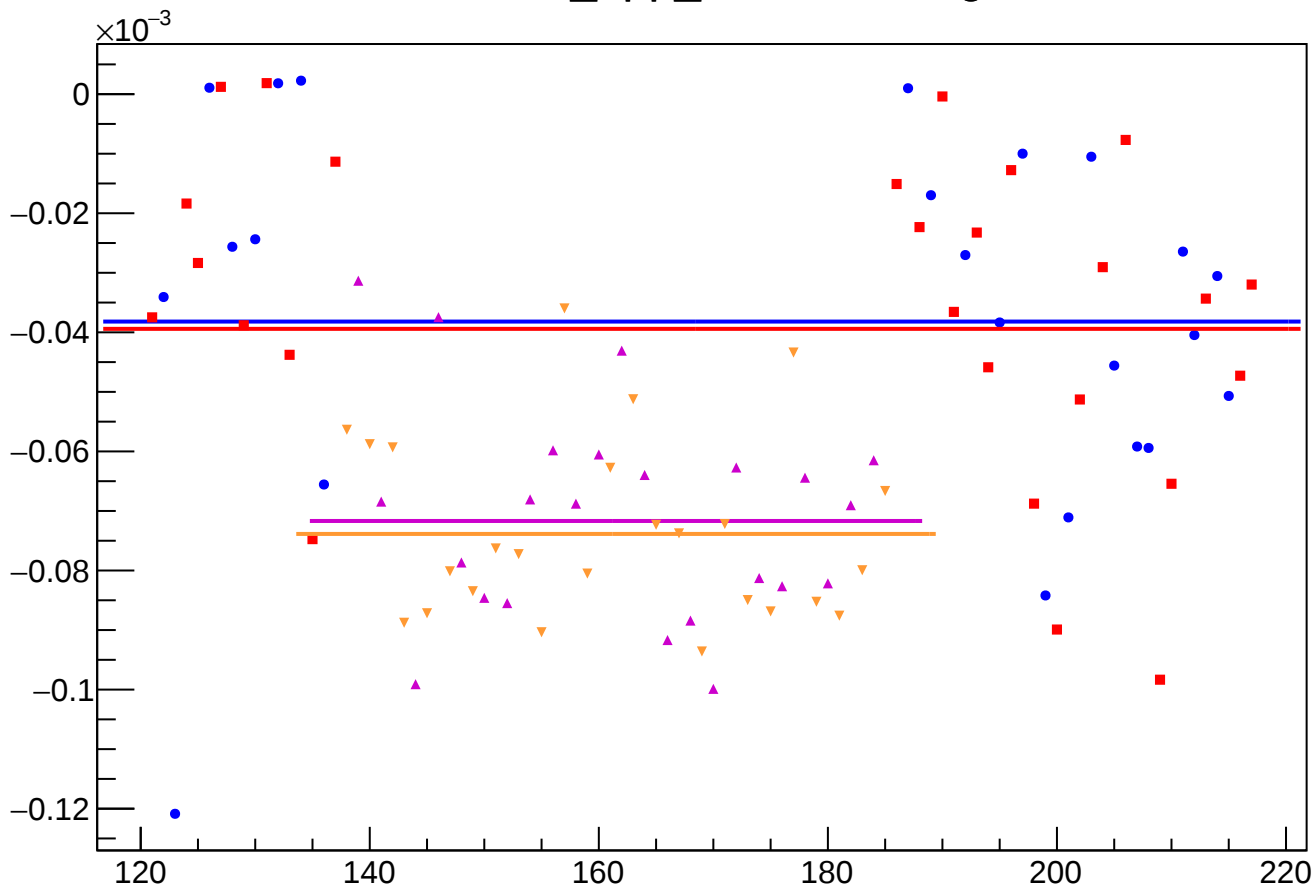
Left In: 2174.539+/-0.000 χ^2/NDF : 3400742562425168967494665391570944.0/22

+ sign 2171.336+/-0.000 χ^2/NDF : 22641710923435

All: 2172.917+/-0.000 χ^2/NDF : 22915075603

- sign 2174.507+/-0.000 χ^2/NDF : 10545489465415

HALLA_dpp_mean vs Slug



Right In: -0.000 ± 0.000 χ^2/NDF : 827309681829531617329152.0/22

Left Out: -0.000 ± 0.000 χ^2/NDF : 450400934180541069000704.0/24

Right Out: -0.000 ± 0.000 χ^2/NDF : 1126860582415084917096448.0/25

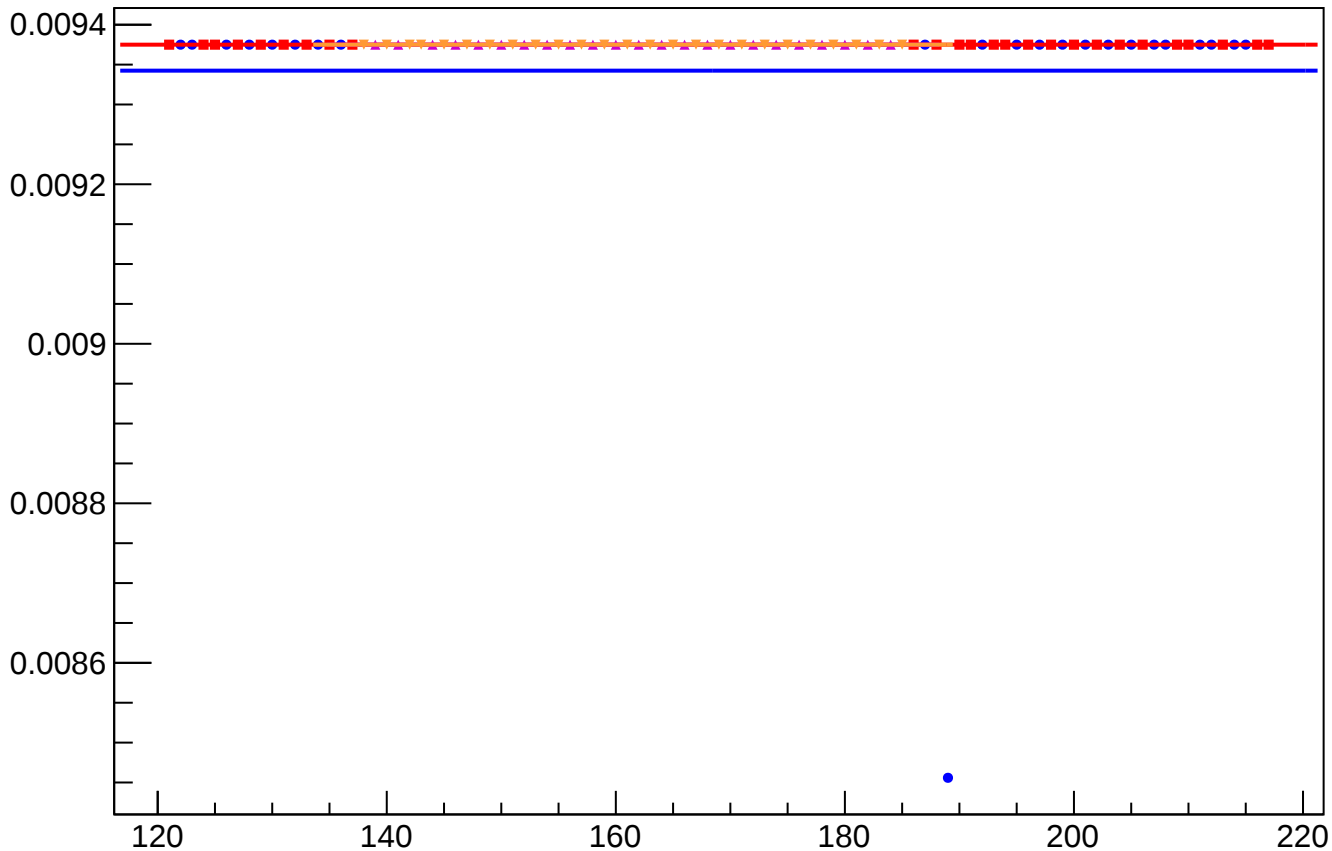
Left In: -0.000 ± 0.000 χ^2/NDF : 562166279020739416817664.0/22

+ sign -0.000 ± 0.000 χ^2/NDF : 2321758134750683

All: -0.000 ± 0.000 χ^2/NDF : 4875252677878

- sign -0.000 ± 0.000 χ^2/NDF : 25493523986442763

MQ171LM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41556700425130835181568000.0/22

Left Out: 0.009+/-0.000 χ^2/NDF :0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/25

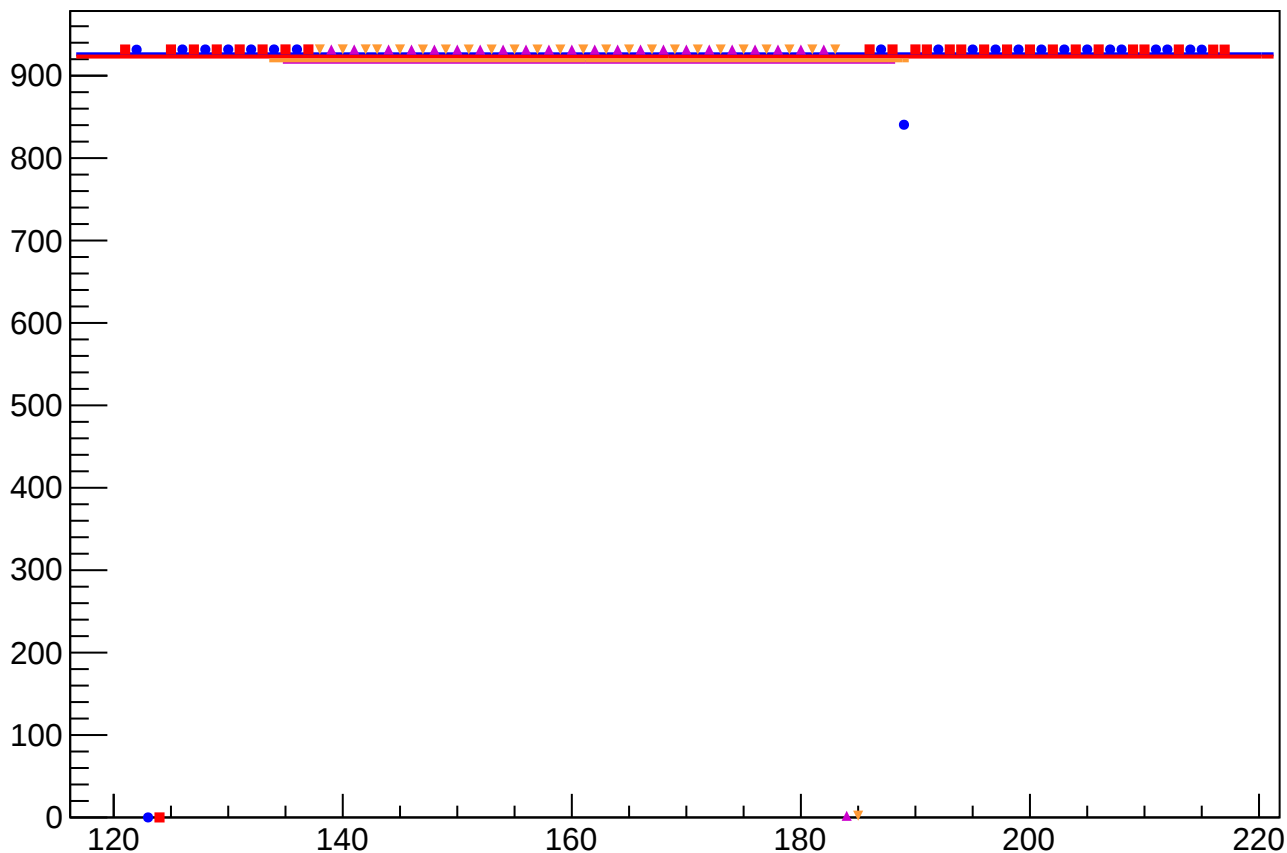
Left In: 0.009+/-0.000 χ^2/NDF :0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42427543669750969

All: 0.009+/-0.000 χ^2/NDF : 42754707726090

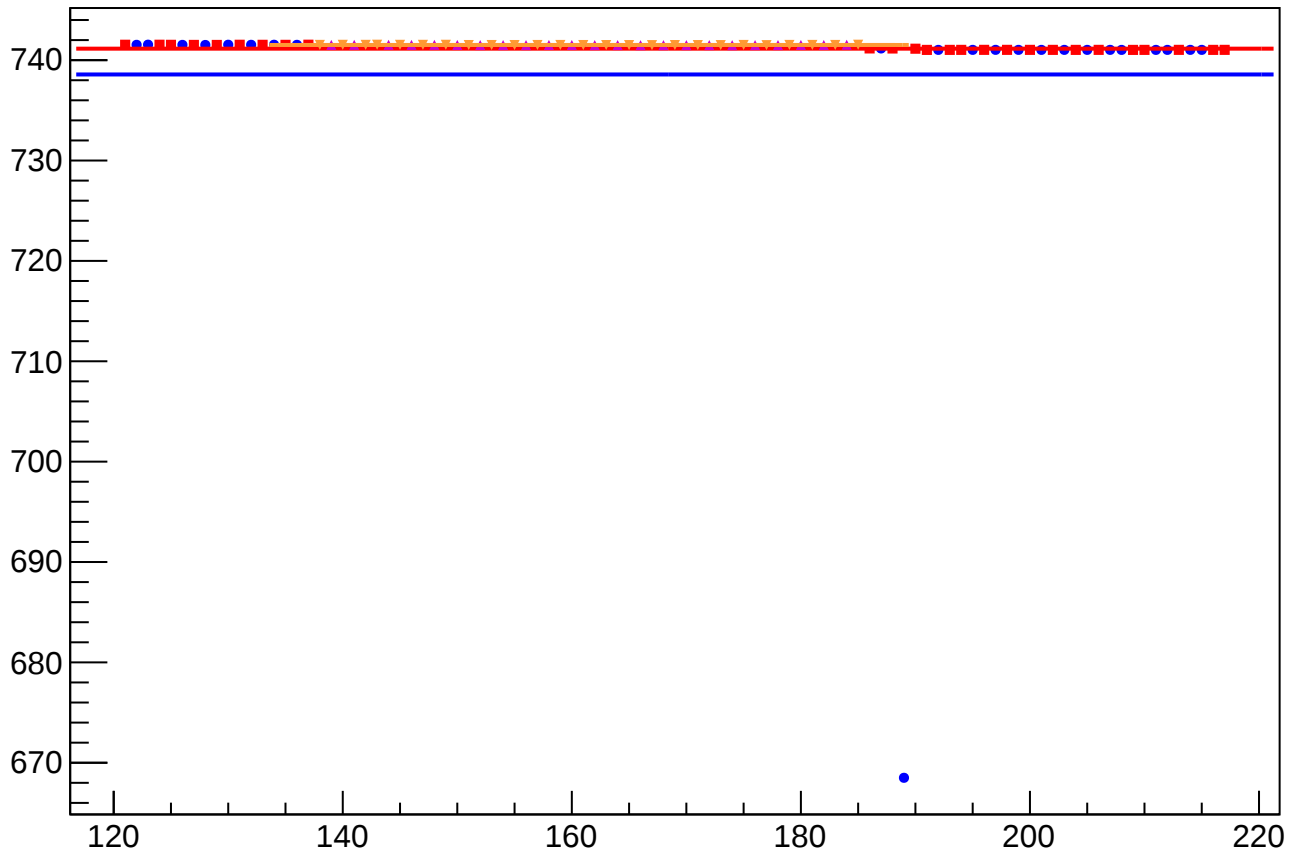
- sign 0.009+/-0.000 χ^2/NDF : 0.3/48

HacL_Q2_HP3458A_IOUT_mean vs Slug



Right In: 925.951+/-0.000 χ^2/NDF : 3848747238651652793645835308738019328.0/22
 Left Out: 918.645+/-0.000 χ^2/NDF : 23003498704056084939752432521336324096.0/24
 Right Out: 923.197+/-0.000 χ^2/NDF : 12042189843700954692169415321901334528.0/25
 Left In: 916.890+/-0.000 χ^2/NDF : 24667894917476231250286944388888133632.0/22

HacL_D1_HP3458A_IOUT_mean vs Slug



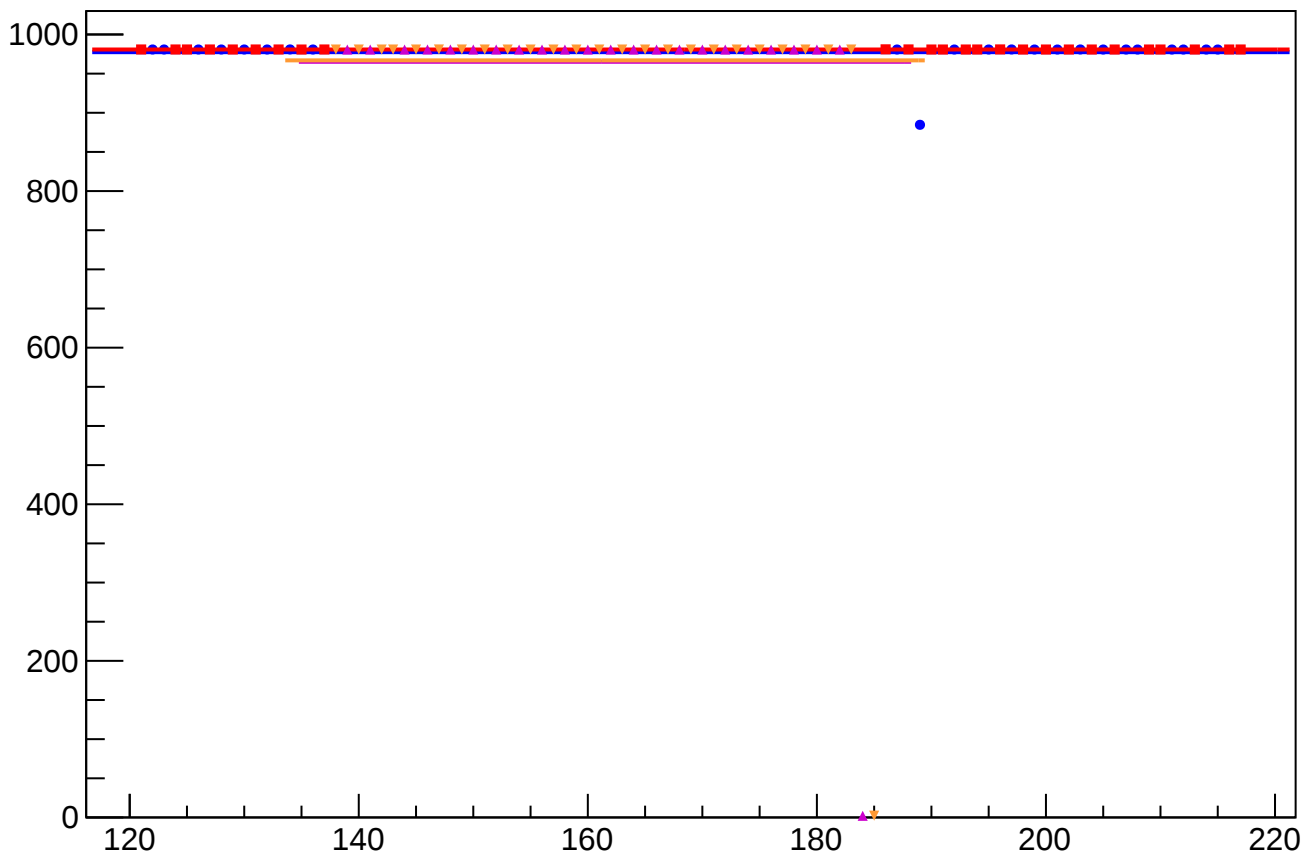
Right In: 738.575+/-0.000 χ^2/NDF : 259695827327483166432240915441516544.0/22

Left Out: 741.513+/-0.000 χ^2/NDF : 244782737401533731539808944128.0/24

Right Out: 741.146+/-0.000 χ^2/NDF : 61316250724185328033262171324416.0/25

Left In: 741.512+/-0.000 χ^2/NDF : 215375309108434607405602439168.0/22

HacL_Q3_HP3458A_IOUT_mean vs Slug



Right In: 977.400+/-0.000 χ^2/NDF : 454950551828189447524254324373848064.0/22

Left Out: 966.936+/-0.000 χ^2/NDF : 25485578616543458629432284645183979520.0/24

Right Out: 980.816+/-0.000 χ^2/NDF : 3536932016905664254714354597888.0/25

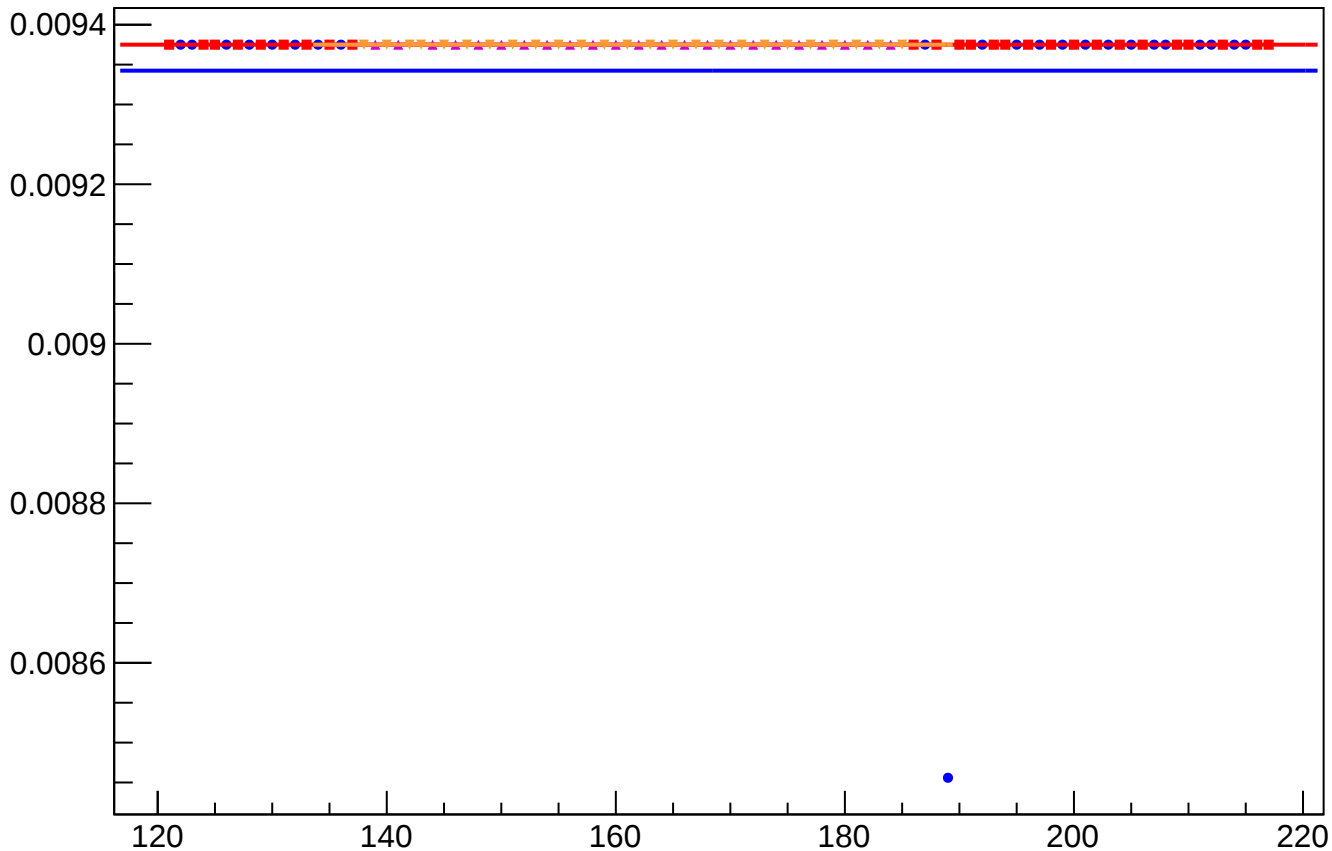
Left In: 965.102+/-0.000 χ^2/NDF : 27330319430012441419356351914146004992.0/22

+ sign 971.432+/-0.000 χ^2/NDF : 260303914945052

All: 971.851+/-0.000 χ^2/NDF : 535659477883

- sign 972.273+/-0.000 χ^2/NDF : 275343768201167

MQ172RM_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41556700425130835181568000.0/22

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/25

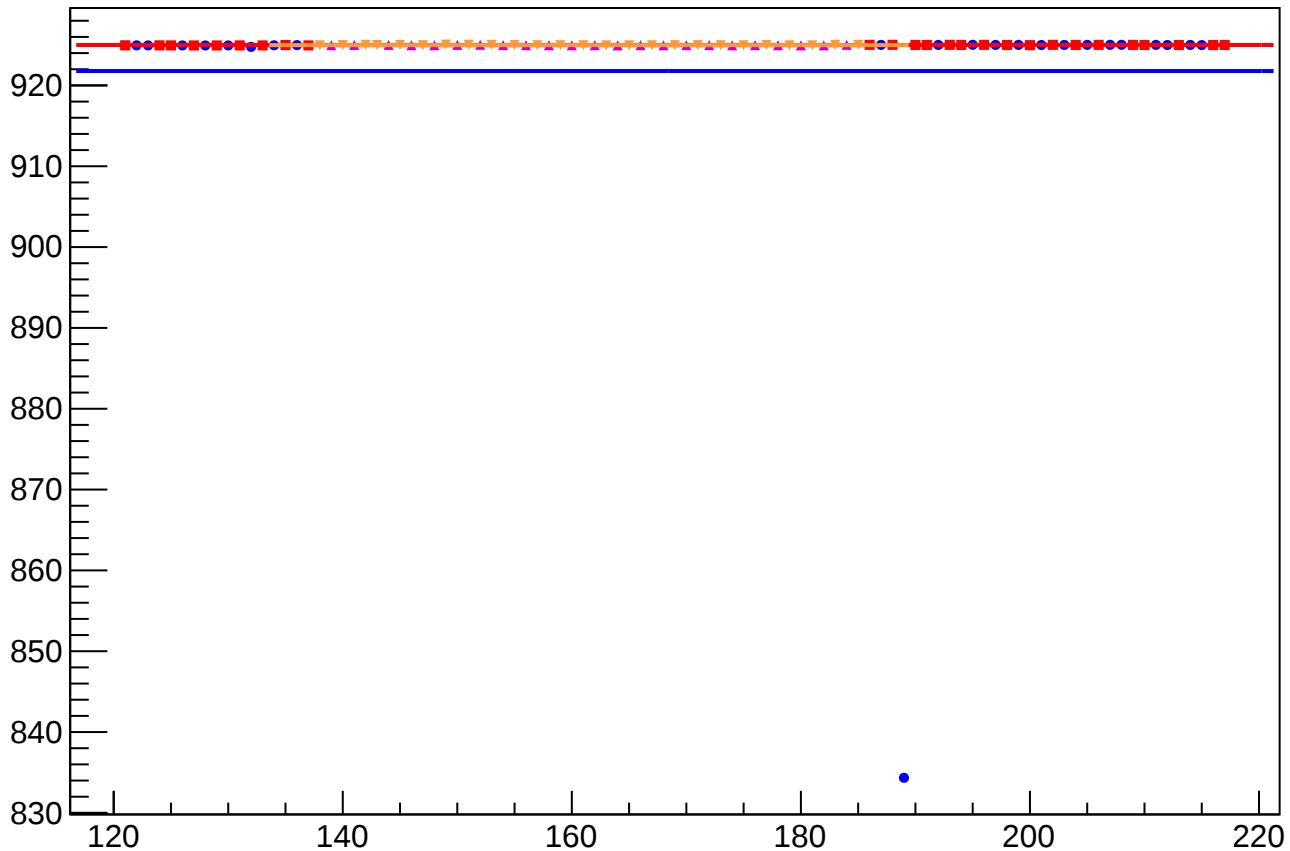
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42427543669750969

All: 0.009+/-0.000 χ^2/NDF : 42754707726090

- sign 0.009+/-0.000 χ^2/NDF : 0.3/48

HacR_Q2_HP3458A_IOUT_mean vs Slug



Right In: 921.781+/-0.000 χ^2/NDF : 404267610181778129412519057533435904.0/22

Left Out: 924.983+/-0.000 χ^2/NDF : 1041831865443970524066476982272.0/24

Right Out: 924.999+/-0.000 χ^2/NDF : 892030564653199222428724625408.0/25

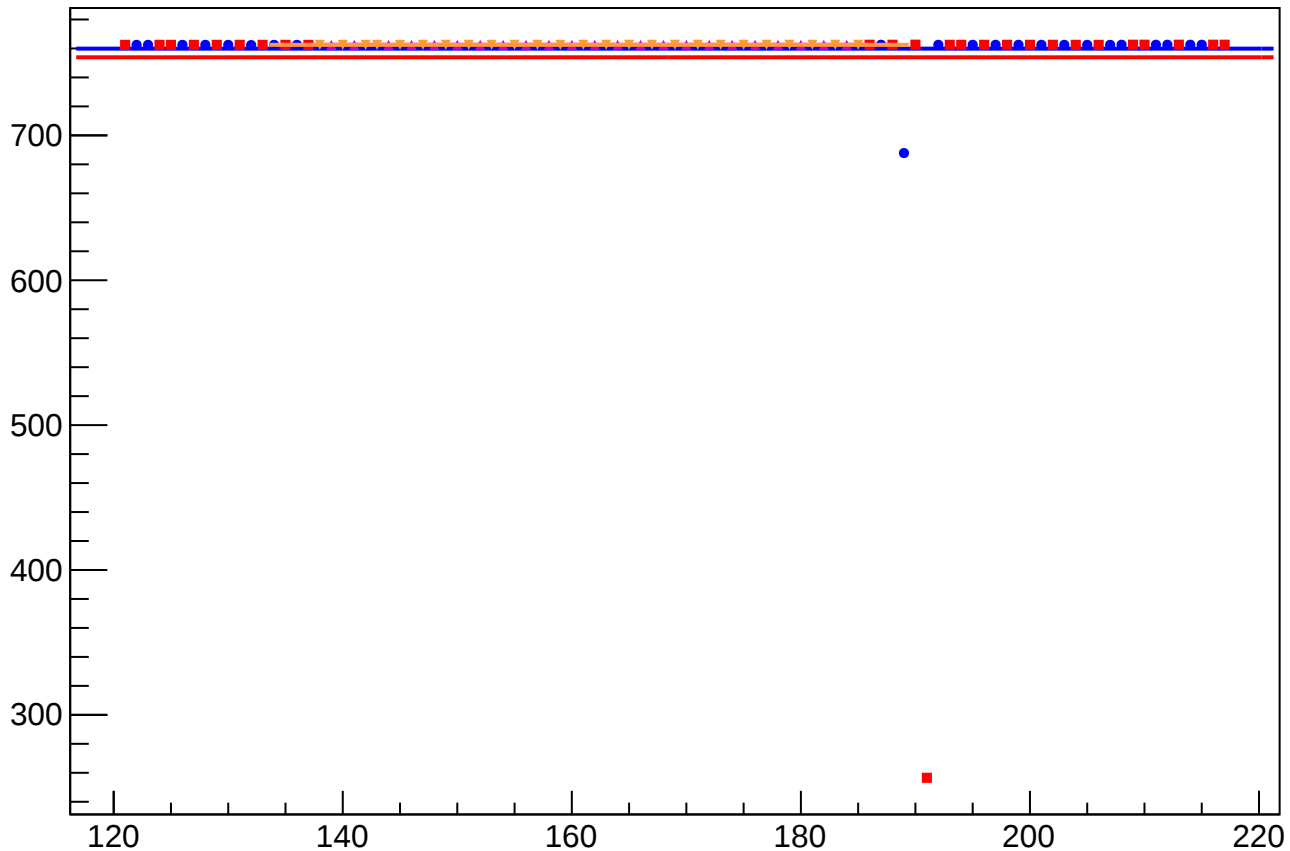
Left In: 924.983+/-0.000 χ^2/NDF : 888539224321534960792212865024.0/22

+ sign 923.607+/-0.000 χ^2/NDF : 412679731748591

All: 924.297+/-0.000 χ^2/NDF : 415876911004

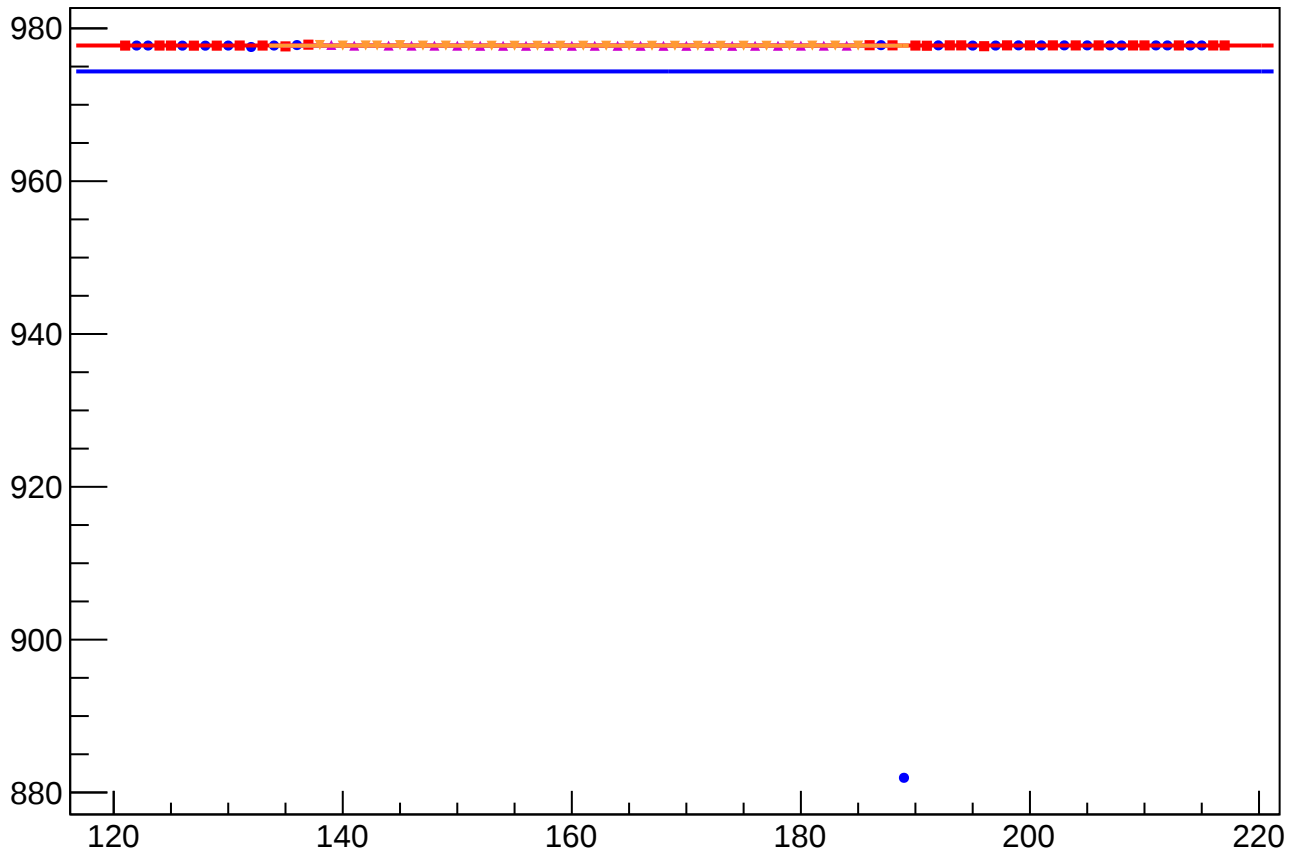
- sign 924.990+/-0.000 χ^2/NDF : 199542380323397

HacR_D1_HP3458A_IOUT_mean vs Slug



Right In: 759.880+/-0.000 χ^2/NDF : 274624978337053133415194847954862080.0/22
 Left Out: 762.518+/-0.000 χ^2/NDF : 731741258759628909874415403008.0/24
 Right Out: 753.886+/-0.000 χ^2/NDF : 6542817733298857419721912305758240768.0/25
 Left In: 762.519+/-0.000 χ^2/NDF : 629058355419214408155297480704.0/22
 All: 759.986+/-0.000 χ^2/NDF : 689788409110.0/25
 + sign 761.385+/-0.000 χ^2/NDF : 280336788860486.0/25
 - sign 758.580+/-0.000 χ^2/NDF : 660440652289386.0/25

HacR_Q3_HP3458A_IOUT_mean vs Slug



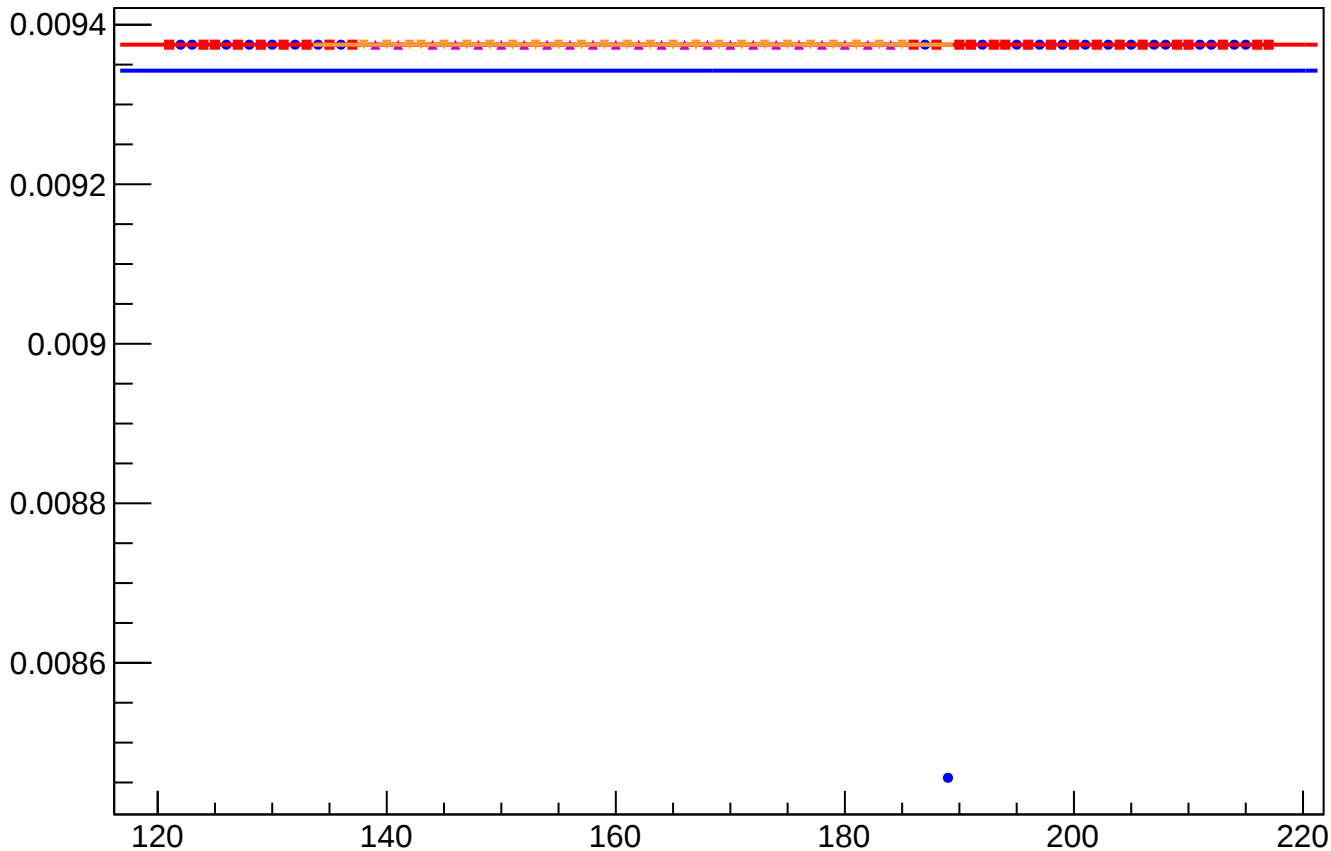
Right In: 974.364 $\pm$ 0.000 χ^2 /NDF: 451854919905137279929719054718205952.0/22

Left Out: 977.738 $\pm$ 0.000 χ^2 /NDF: 1154150409979077132991401558016.0/24

Right Out: 977.757 $\pm$ 0.000 χ^2 /NDF: 1857715681045389290401649655808.0/25

Left In: 977.735 $\pm$ 0.000 χ^2 /NDF: 976503887937607318263199432704.0/22

hesDipole_current_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41556700425130835181568000.0/22

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/25

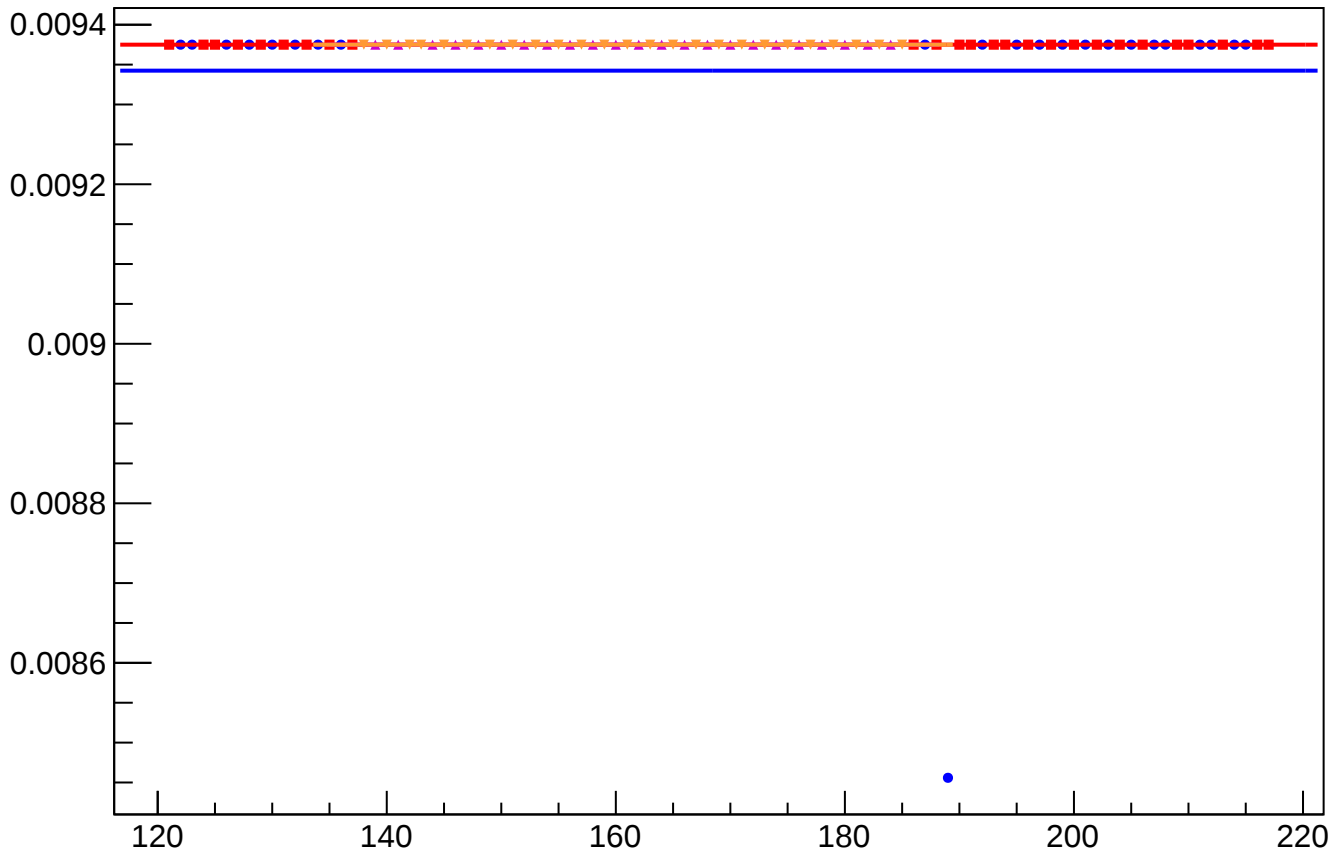
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42427543669750969

All: 0.009+/-0.000 χ^2/NDF : 42754707726090

- sign 0.009+/-0.000 χ^2/NDF : 0.3/48

MSUPERBIGBITereadcalc_mean vs Slug



Right In: 0.009+/-0.000 χ^2/NDF : 41556700425130835181568000.0/22

Left Out: 0.009+/-0.000 χ^2/NDF : 0.1/24

Right Out: 0.009+/-0.000 χ^2/NDF : 0.1/25

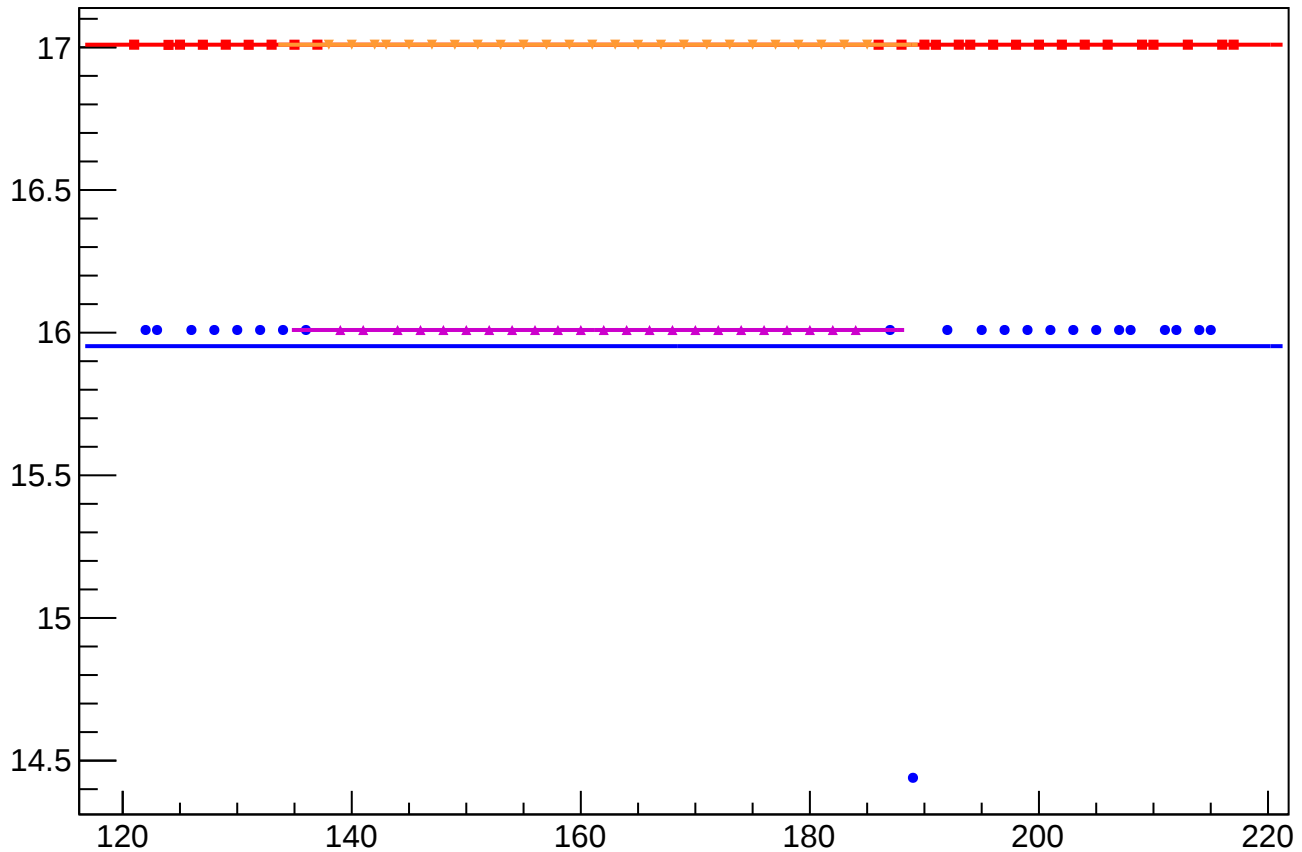
Left In: 0.009+/-0.000 χ^2/NDF : 0.1/22

+ sign 0.009+/-0.000 χ^2/NDF : 42427543669750969

All: 0.009+/-0.000 χ^2/NDF : 42754707726090

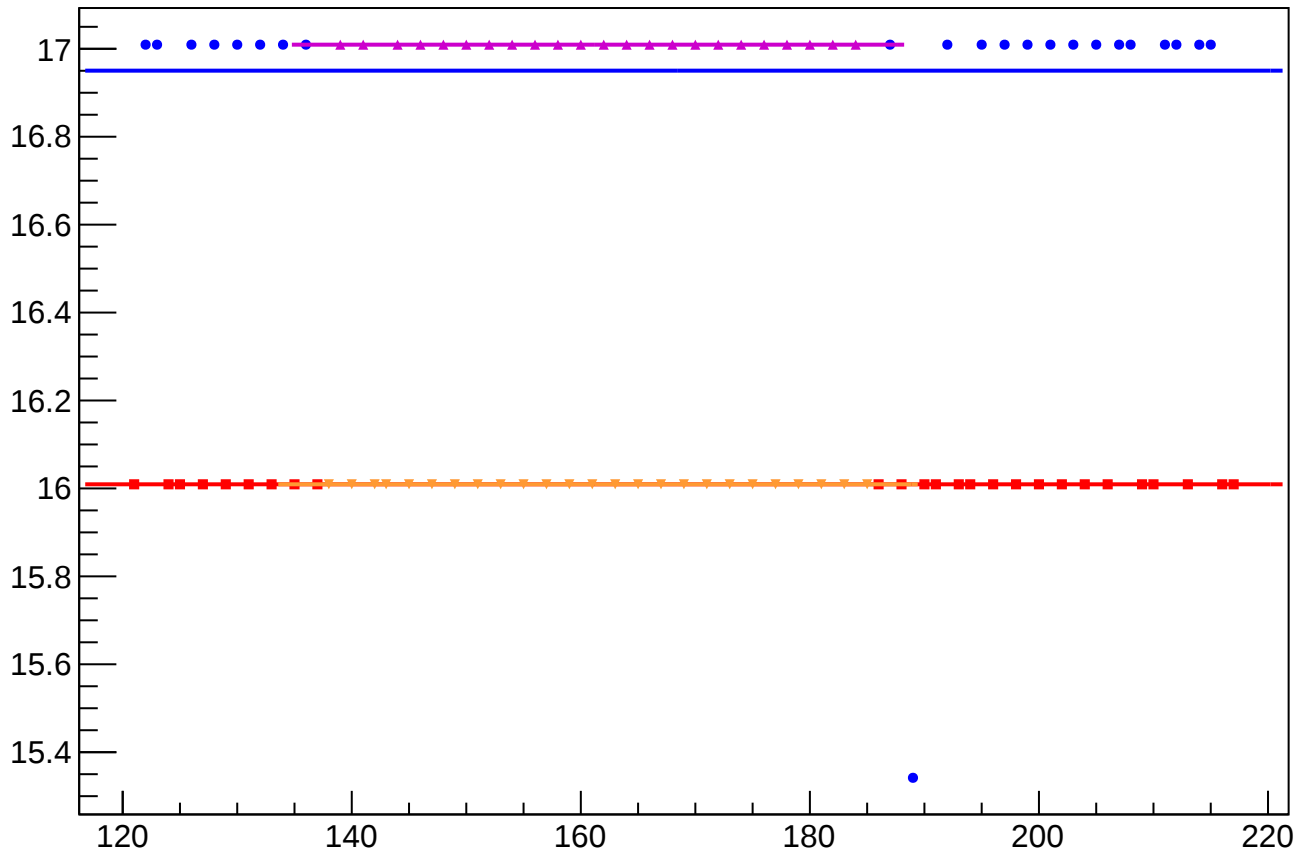
- sign 0.009+/-0.000 χ^2/NDF : 0.3/48

IGL1I00DI24_24M_mean vs Slug



Right In: 15.953+/-0.000 χ^2/NDF : 121101380043706101533117966712832.0/22
 Left Out: 17.009+/-0.000 χ^2/NDF : 26284444608576238643052544.0/24
 Right Out: 17.009+/-0.000 χ^2/NDF : 18080566825018732520144896.0/25
 Left In: 16.009+/-0.000 χ^2/NDF : 127973174512756677672960.0/22

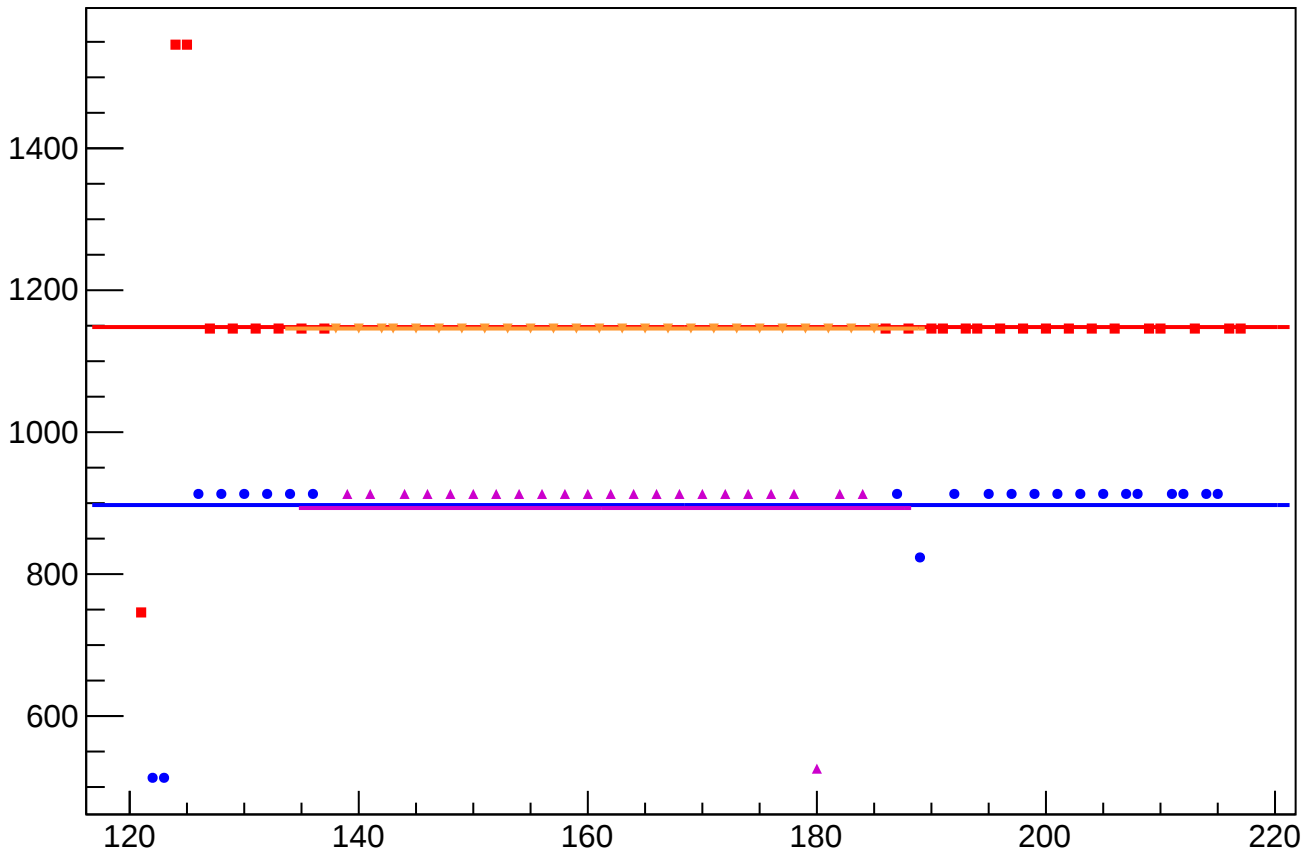
IGL1I00OD16_16_mean vs Slug



Right In: 16.950+/-0.000 χ^2/NDF : 136795280700164380279692024872960.0/22
 Left Out: 16.009+/-0.000 χ^2/NDF : 89740.8/24
 Right Out: 16.009+/-0.000 χ^2/NDF : 267594.2/25
 Left In: 17.009+/-0.000 χ^2/NDF : 115033472633445654986752.0/22

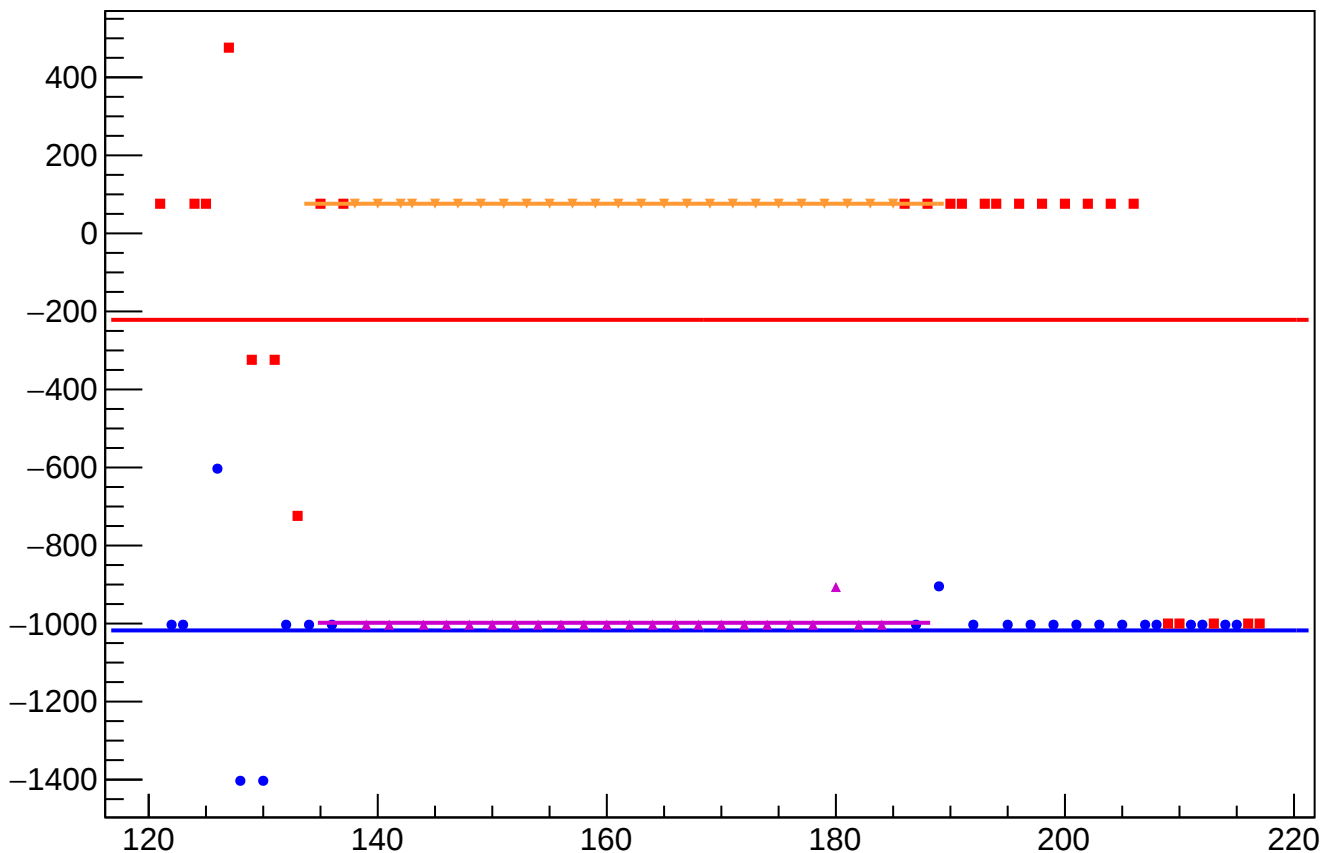
+ sign 16.417+/-0.000 χ^2/NDF : 8593811861620605
 All: 16.481+/-0.000 χ^2/NDF : 1704303603752
 - sign 16.547+/-0.000 χ^2/NDF : 8168930311583240

RTPAPOSUCNT_mean vs Slug



Right In: 897.313+/-0.000 χ^2/NDF : 7254817811838163799985751248051634176.0/22
 Left Out: 1146.011+/-0.000 χ^2/NDF : 8041760976861450519237885952.0/24
 Right Out: 1148.115+/-0.000 χ^2/NDF : 13753930292382604171741895335830618112.0/25
 Left In: 893.116+/-0.000 χ^2/NDF : 13219826761707982974212661987208331264.0/22

RTPAPOSVCNT_mean vs Slug



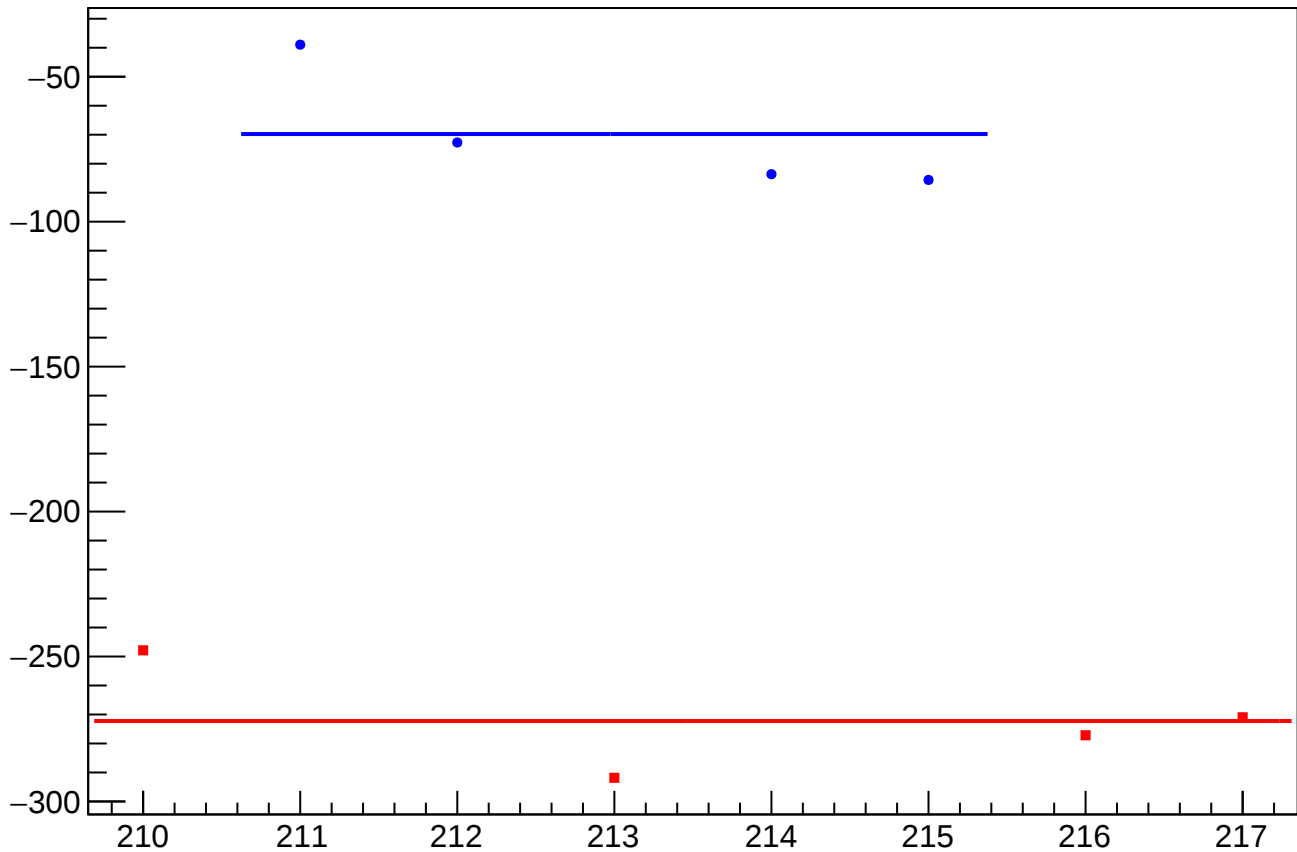
Right In: -1017.572 ± 0.000 χ^2/NDF : 23386782472197702231295877545373728768.0/22

Left Out: 76.011 ± 0.000 χ^2/NDF : 11003263624957134120836661248.0/24

Right Out: -221.555 ± 0.000 χ^2/NDF : 346615768237306618736314442733764739072.0/25

Left In: -998.020 ± 0.000 χ^2/NDF : 826231736084035689068445378231140352.0/22

RTPPITA1CNT_mean vs Slug



Right In: -69.774 ± 0.000 χ^2/NDF : 105864088683195568752421154630664192.0/3

+ sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left Out: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

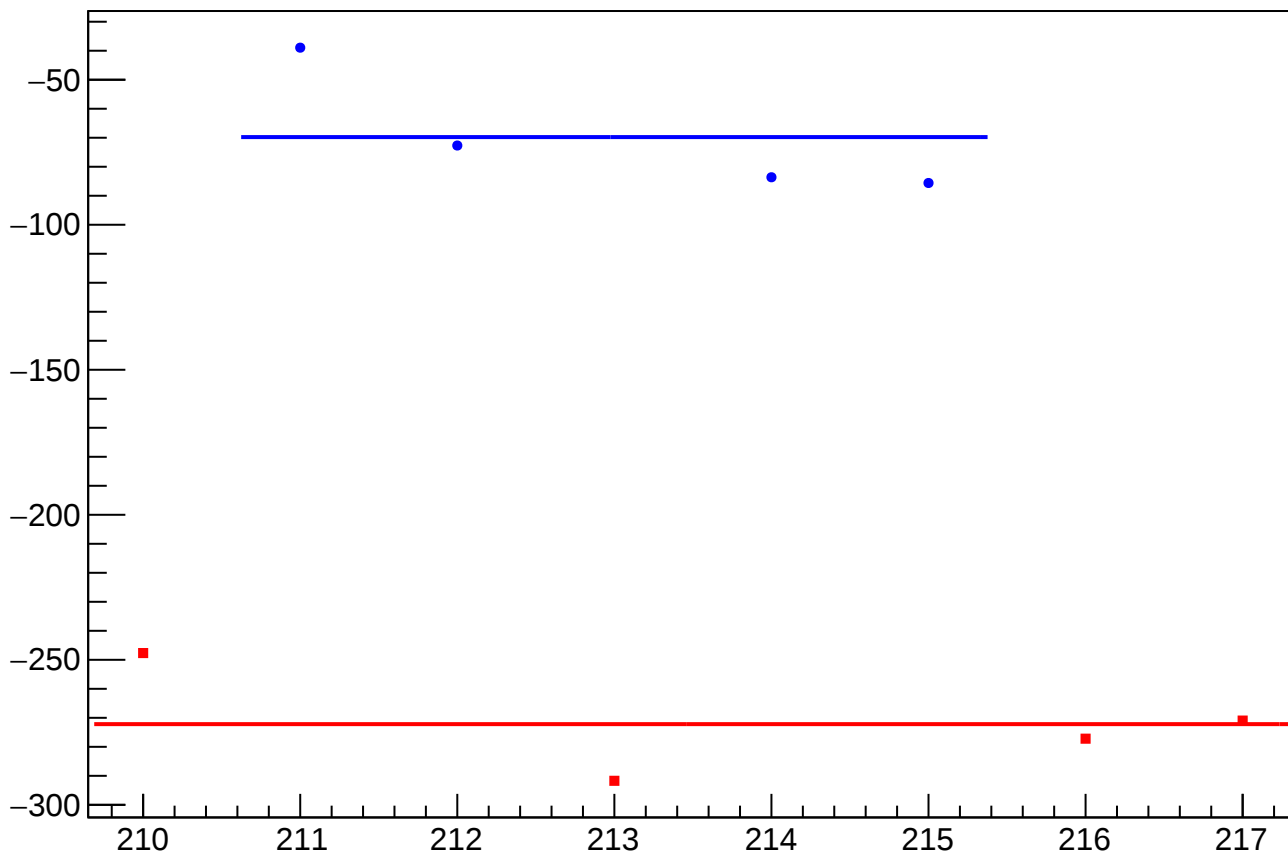
All: -171.521 ± 0.000 χ^2/NDF : 62990052964

Right Out: -272.251 ± 0.000 χ^2/NDF : 74523041866937066731756197506973696.0/3

- sign 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

Left In: 0.000 $\pm$ 0.000 χ^2/NDF : 0.0/0

RTPPITA2CNT_mean vs Slug



Right In: -69.774+/-0.000 χ^2/NDF : 105864088683195568752421154630664192.0/3

+ sign 0.000+/-0.000 χ^2/NDF : 0.0/0

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

All: -171.485+/-0.000 χ^2/NDF : 62949690769

Right Out: -272.179+/-0.000 χ^2/NDF : 74848359580894041545317741003538432.0/3

- sign 0.000+/-0.000 χ^2/NDF : 0.0/0

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