

Weekly Report

Yebo

2020.07.30

OUTLINE

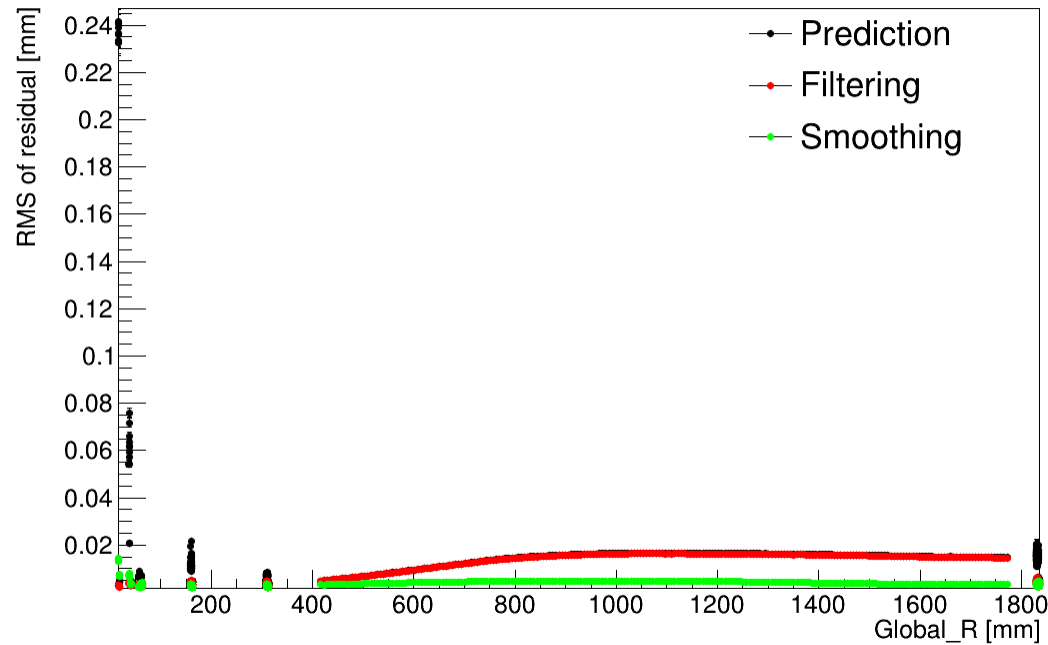
- After changing the geometry
 - Previous smooth method
(commit id: `ad2f6496ad208ab7e289c6cb83b04f4baacf3001`)
- Current smooth method: backward filtering
 - All sub-detectors
 - Turn off the TPC
 - TPC only

Same options

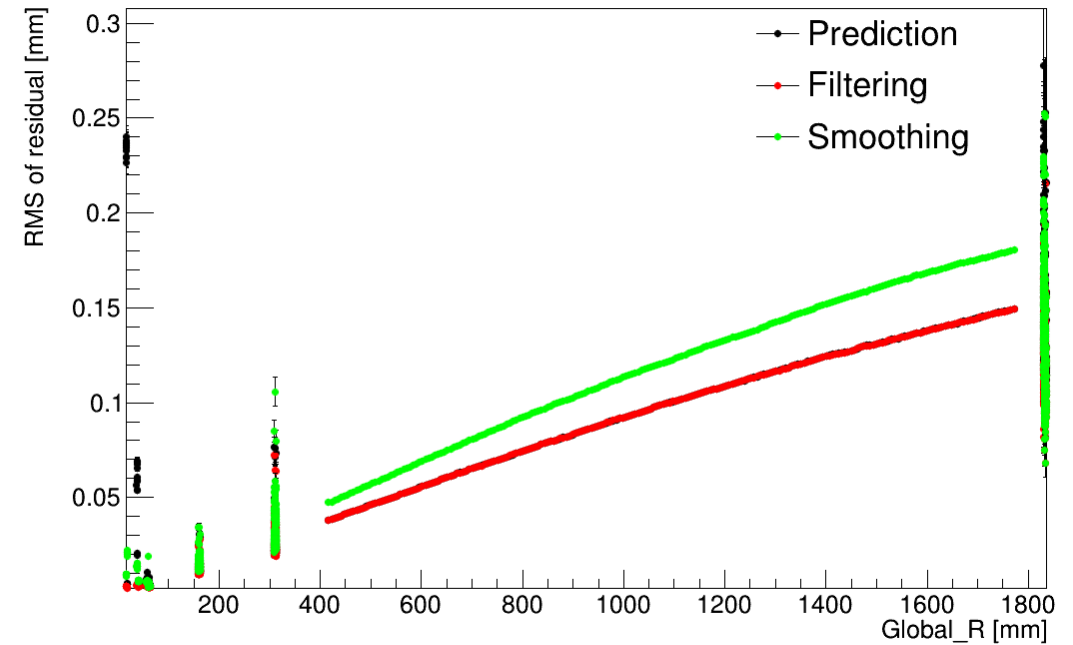
- Particle gun: 10000 μ from (0, 0, 0)
- Magnetic field: (0, 0, 3T)
- p_T : 100GeV
- θ : 85°
- φ : uniform distribution
- No material

After changing the geometry - Previous smooth method

- RMS of Residuals (prt/flt/smt - truth) of loc0 and loc1



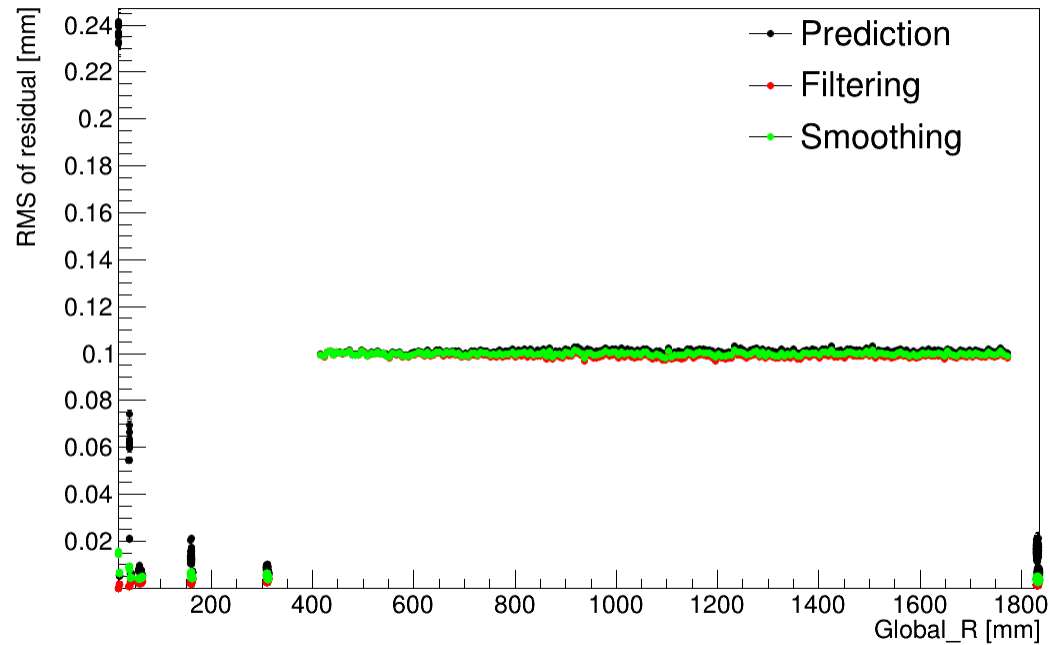
loc0



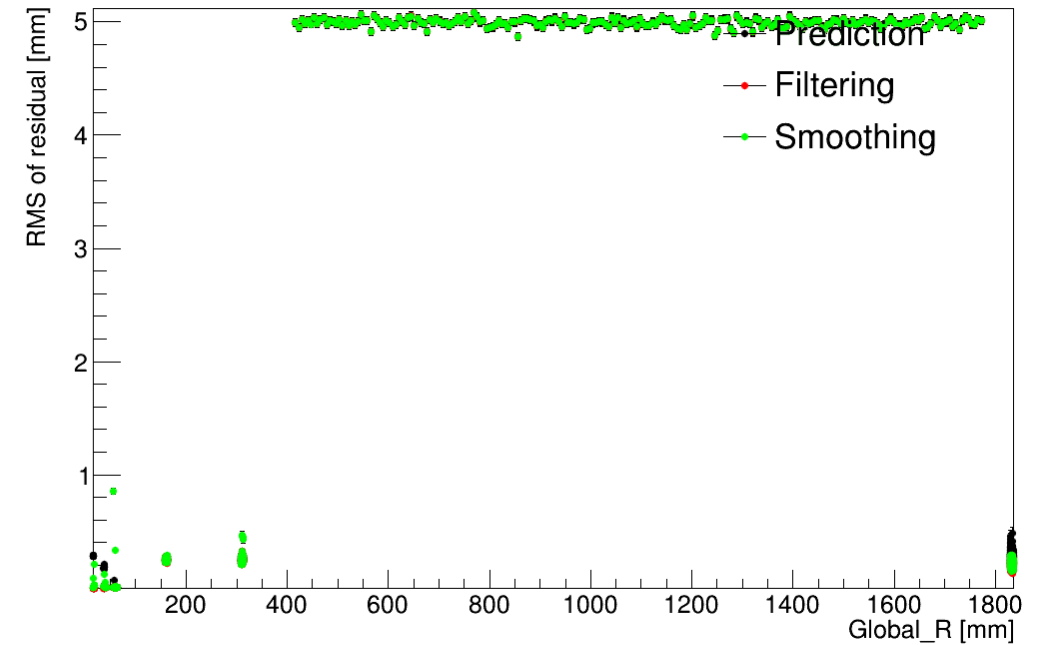
loc1

After changing the geometry - Previous smooth method

- RMS of Residuals (prt/flt/smt - smear) of loc0 and loc1



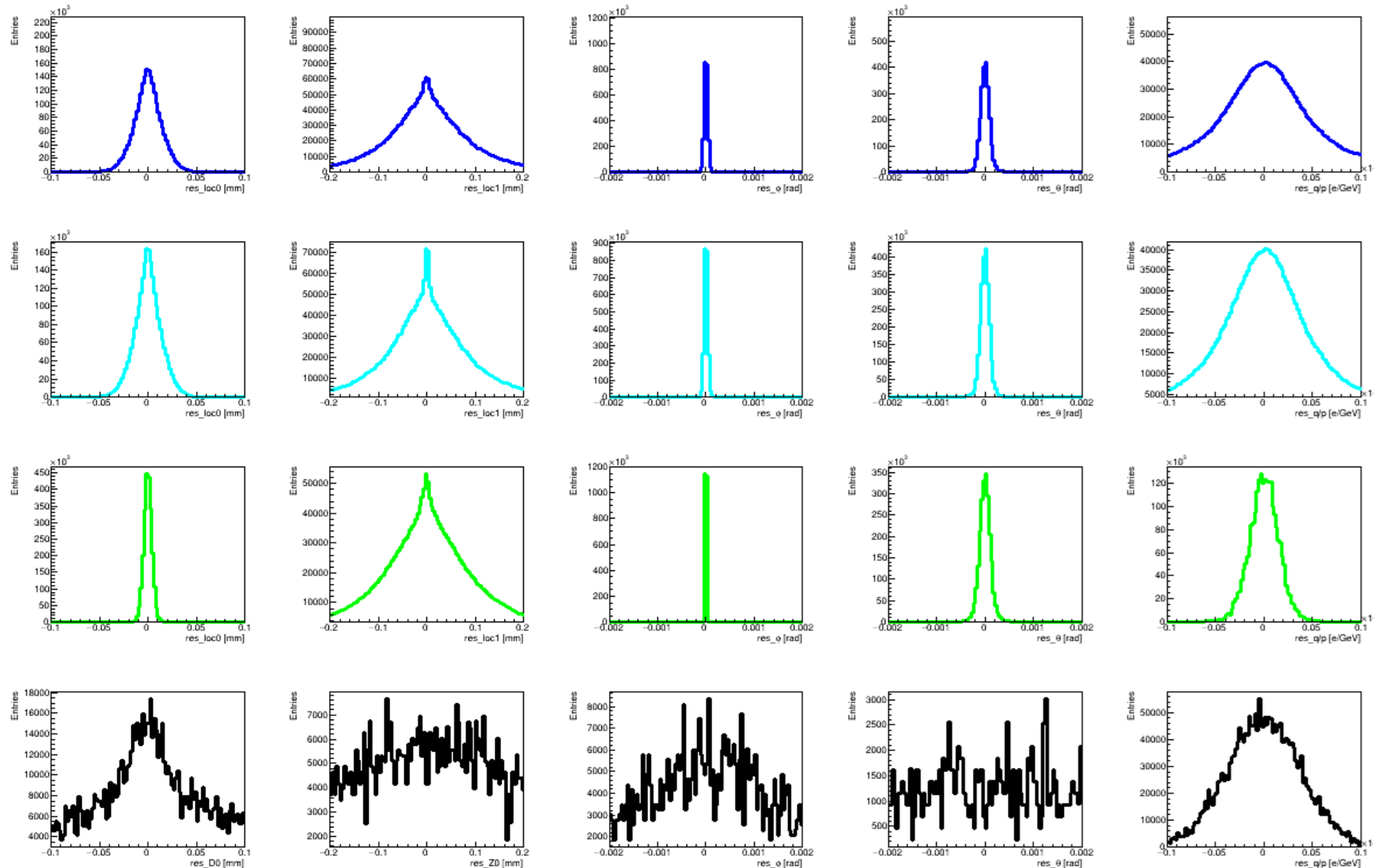
loc0



loc1

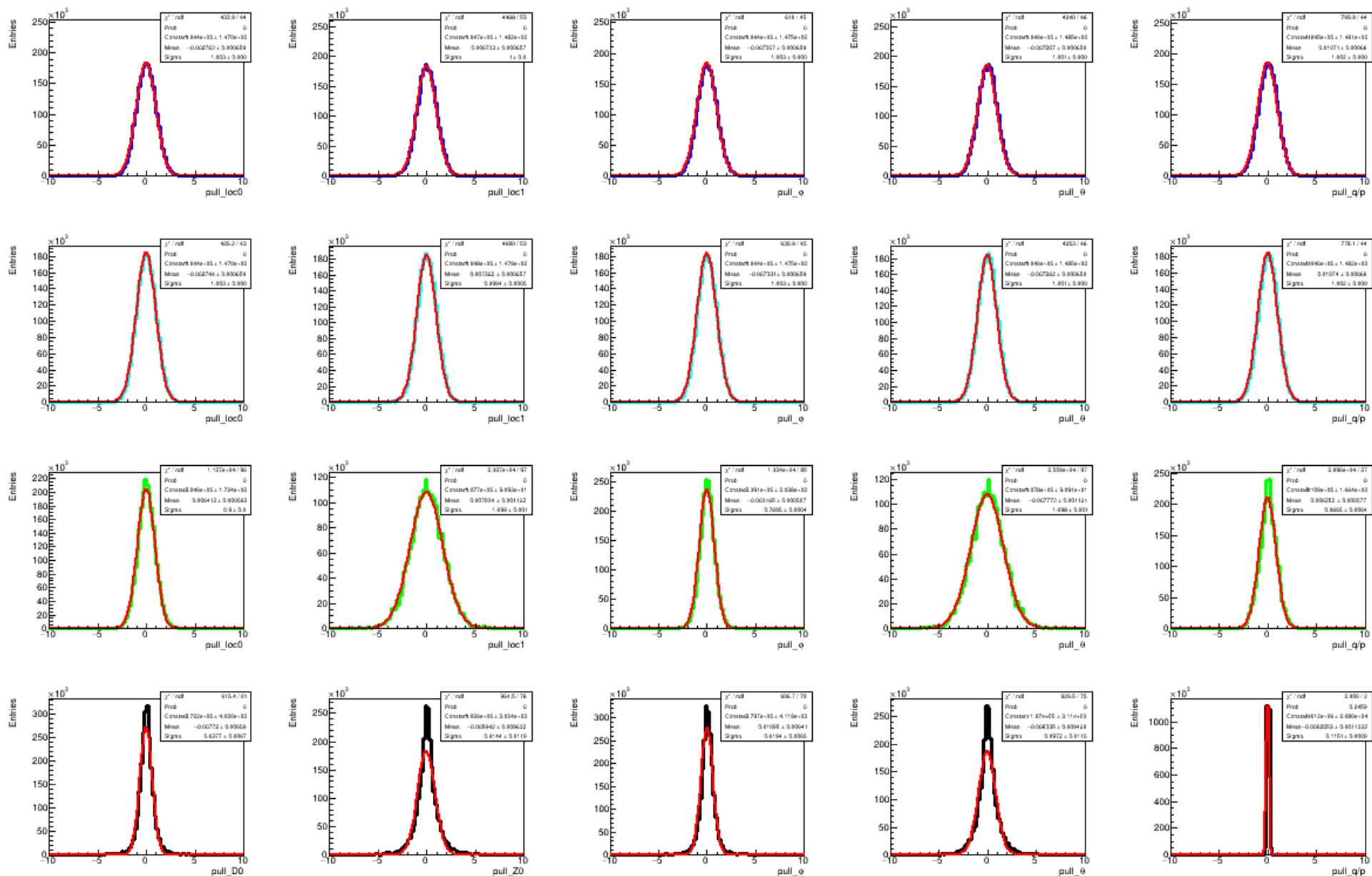
After changing the geometry - Previous smooth method

- Residuals



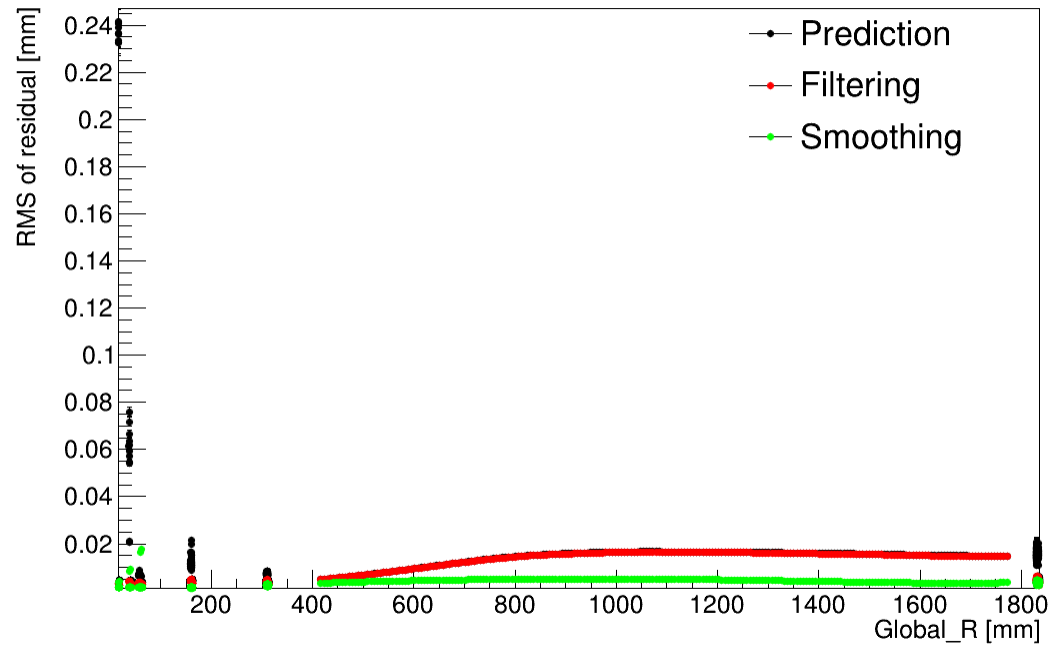
After changing the geometry - Previous smooth method

- Pulls

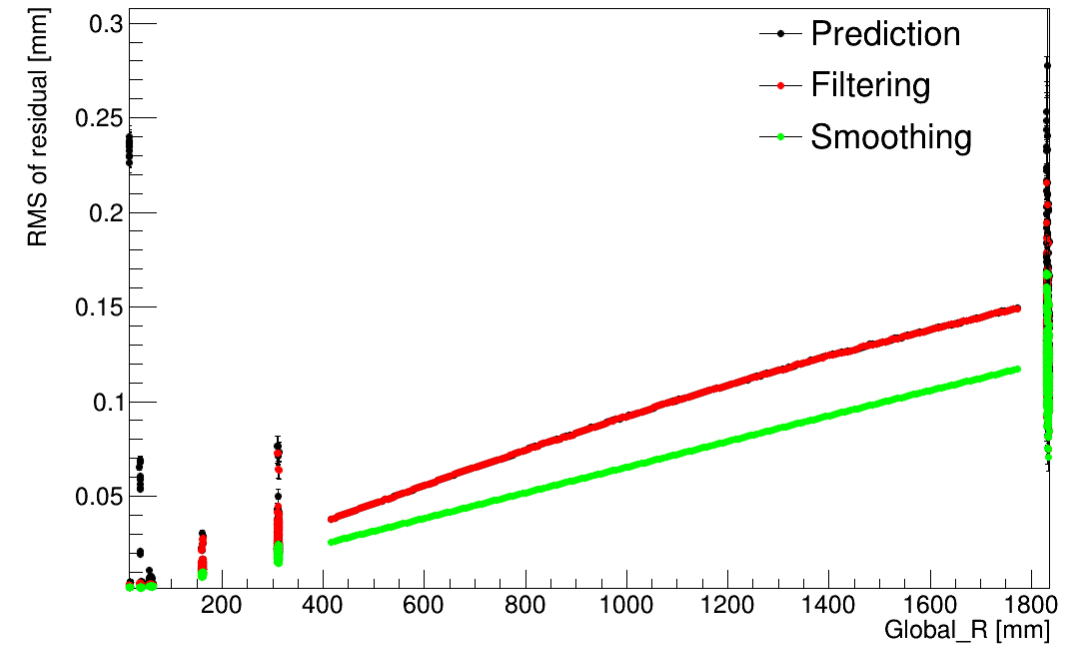


After changing the geometry - Backward filtering - All sub-detectors

- RMS of Residuals (prt/flt/smt - truth) of loc0 and loc1



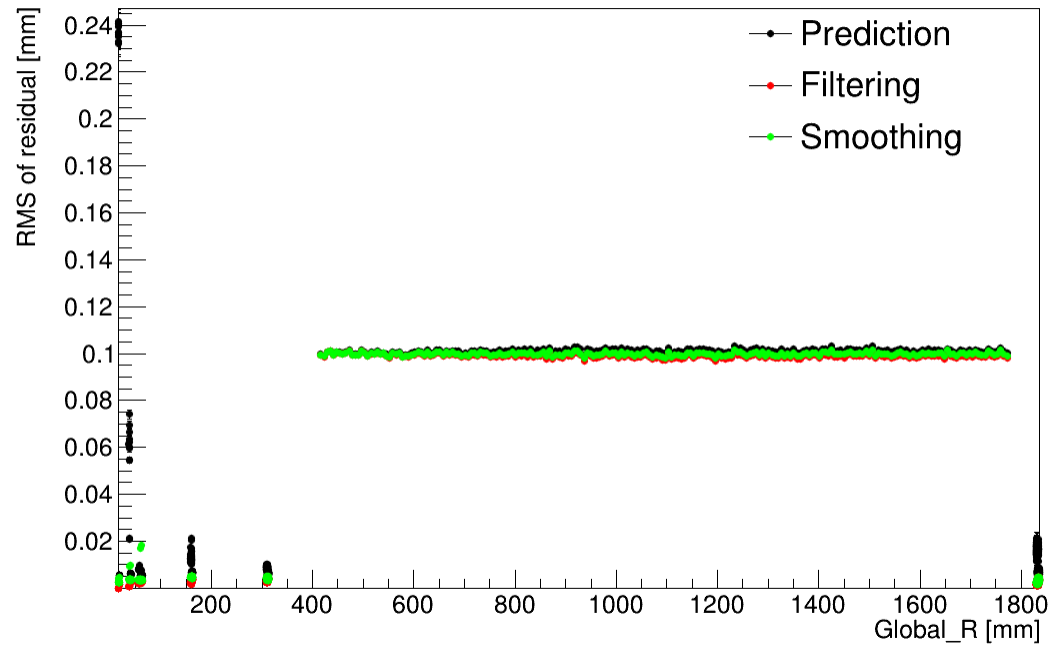
loc0



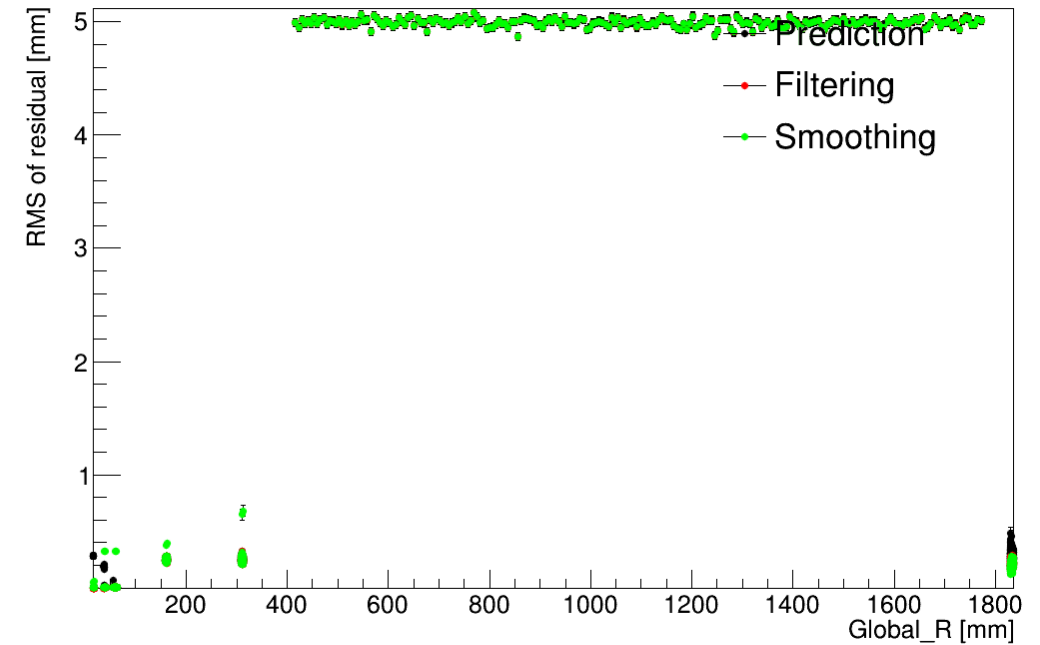
loc1

After changing the geometry - Backward filtering - All sub-detectors

- RMS of Residuals (prt/flt/smt - smear) of loc0 and loc1



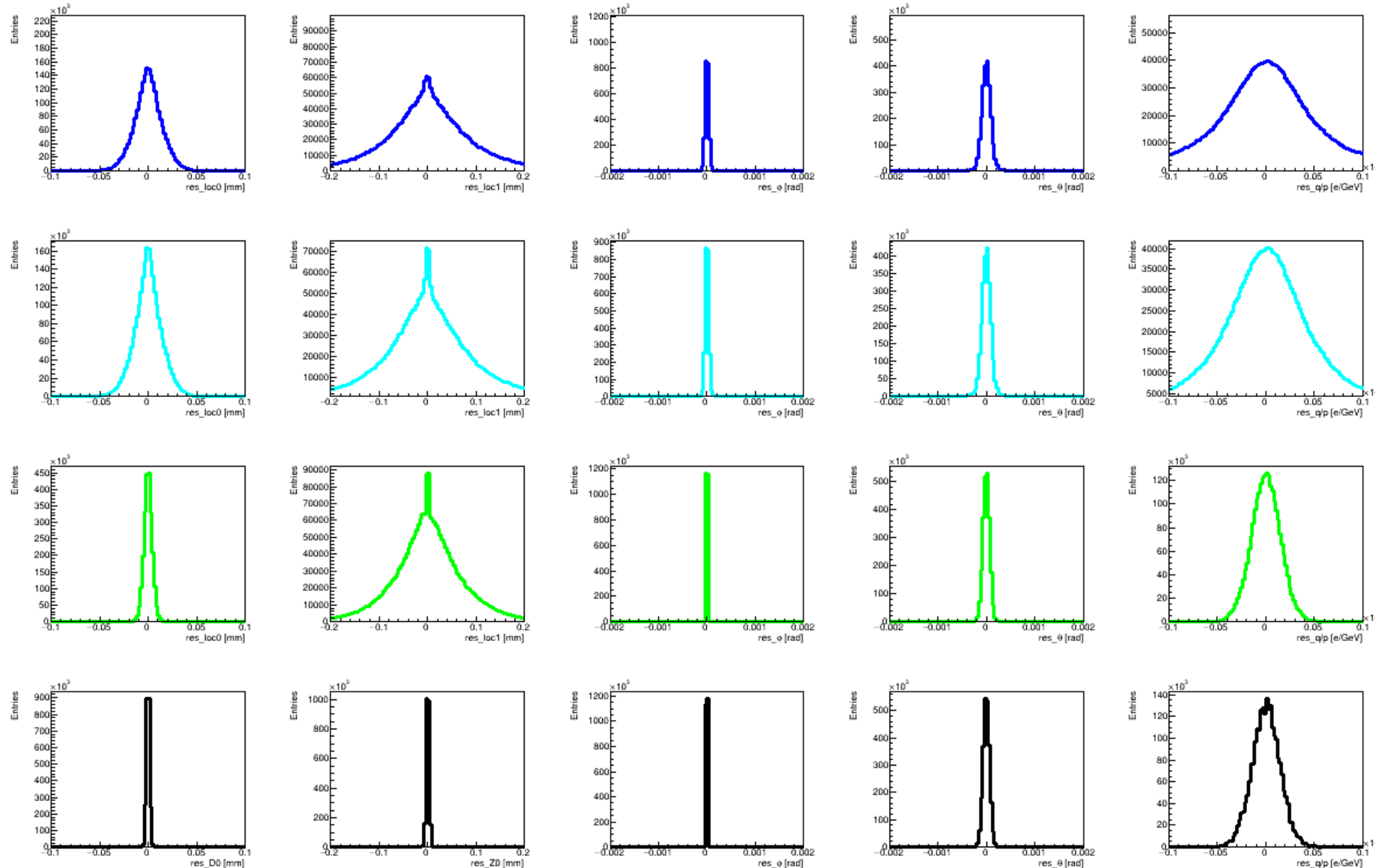
loc0



loc1

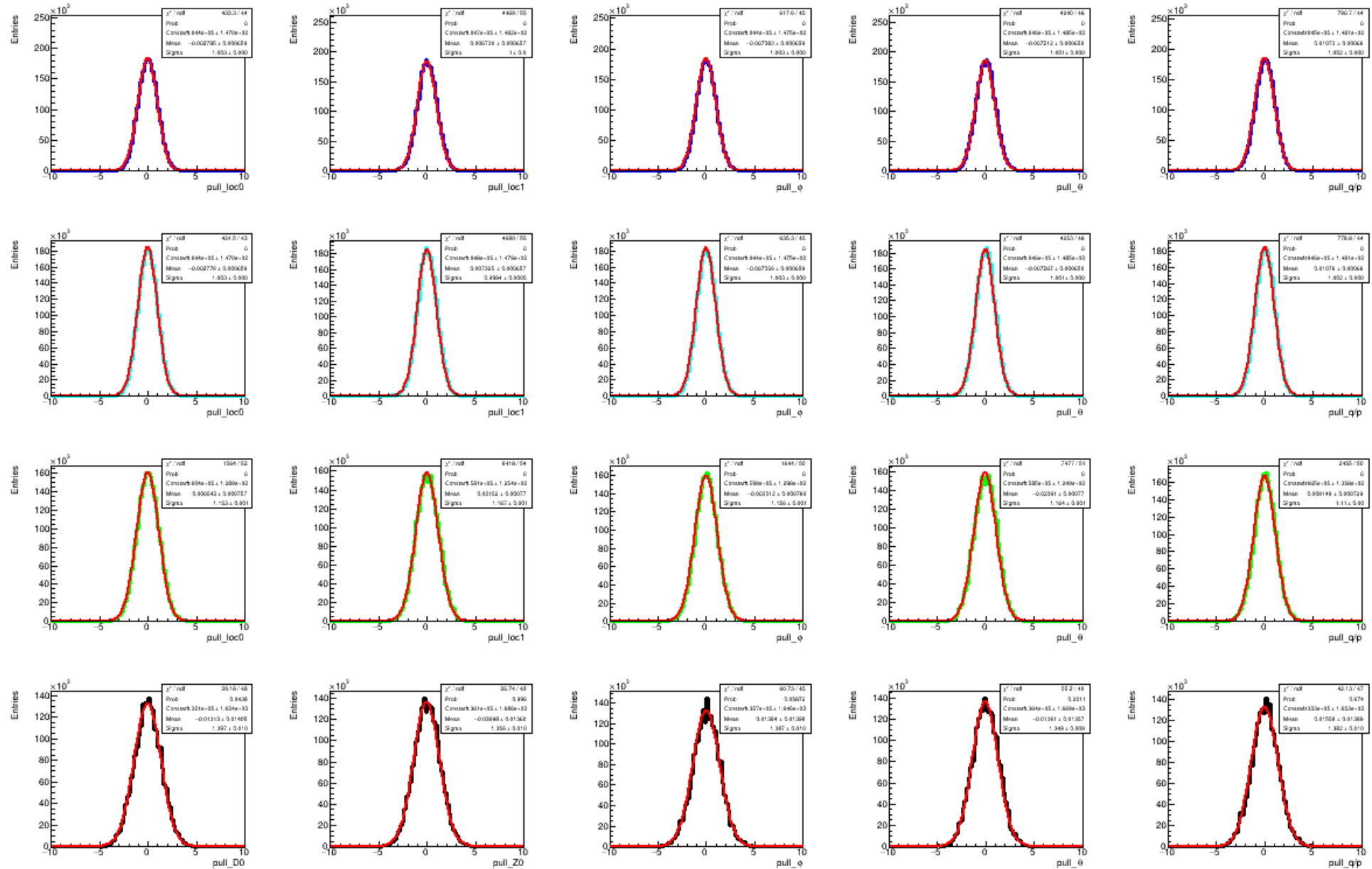
After changing the geometry - Backward filtering - All sub-detectors

- Residuals



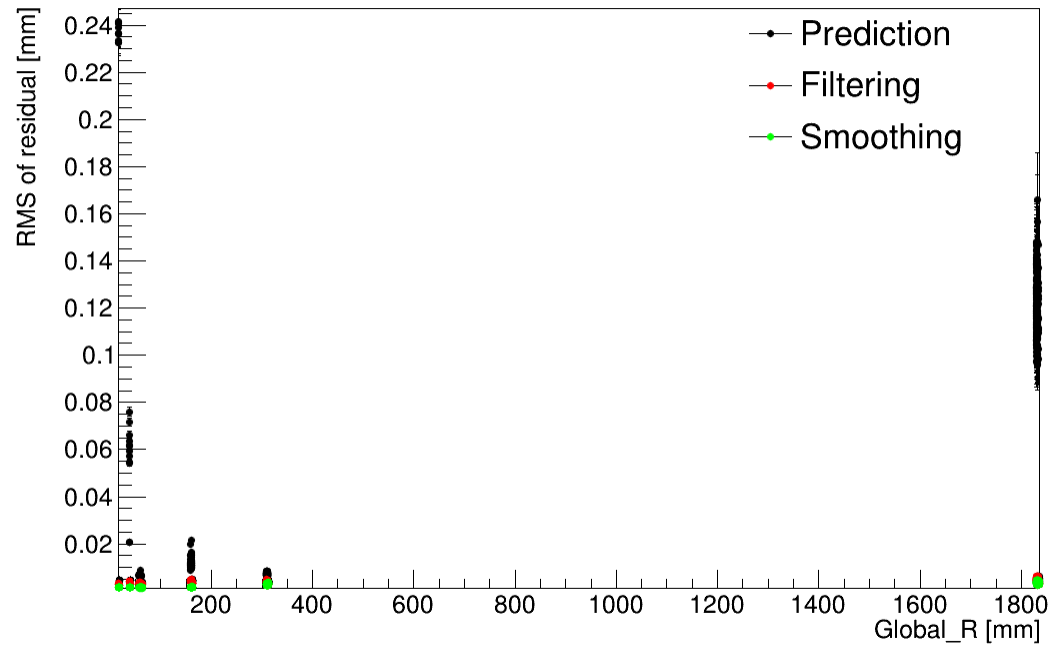
After changing the geometry - Backward filtering - All sub-detectors

- Pulls

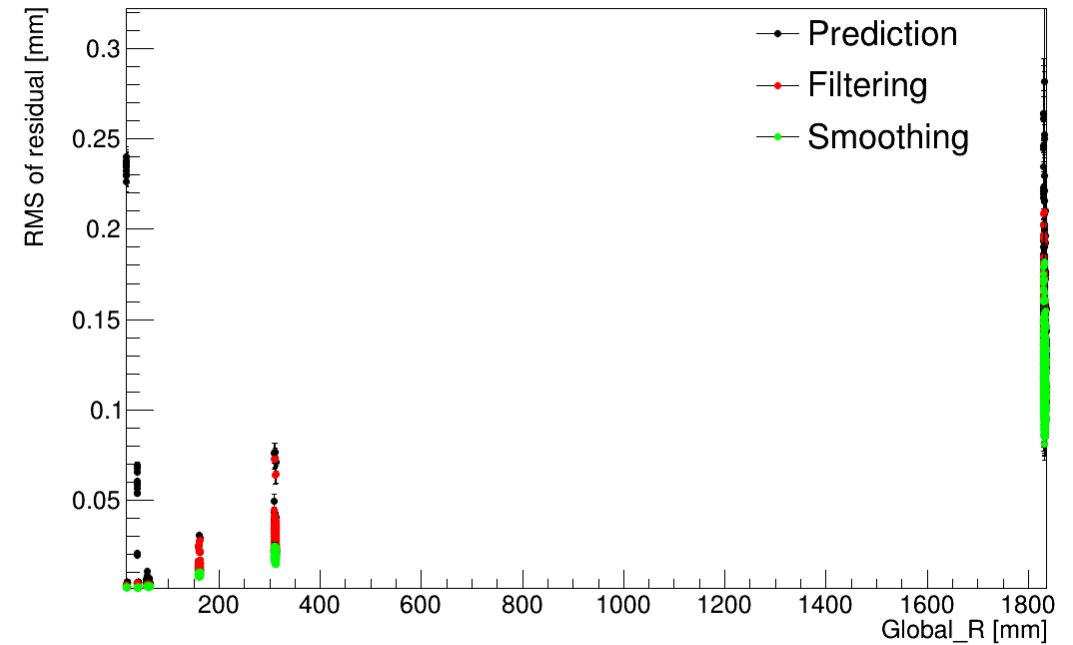


After changing the geometry - Backward filtering - Turn off TPC

- RMS of Residuals (prt/flt/smt - truth) of loc0 and loc1



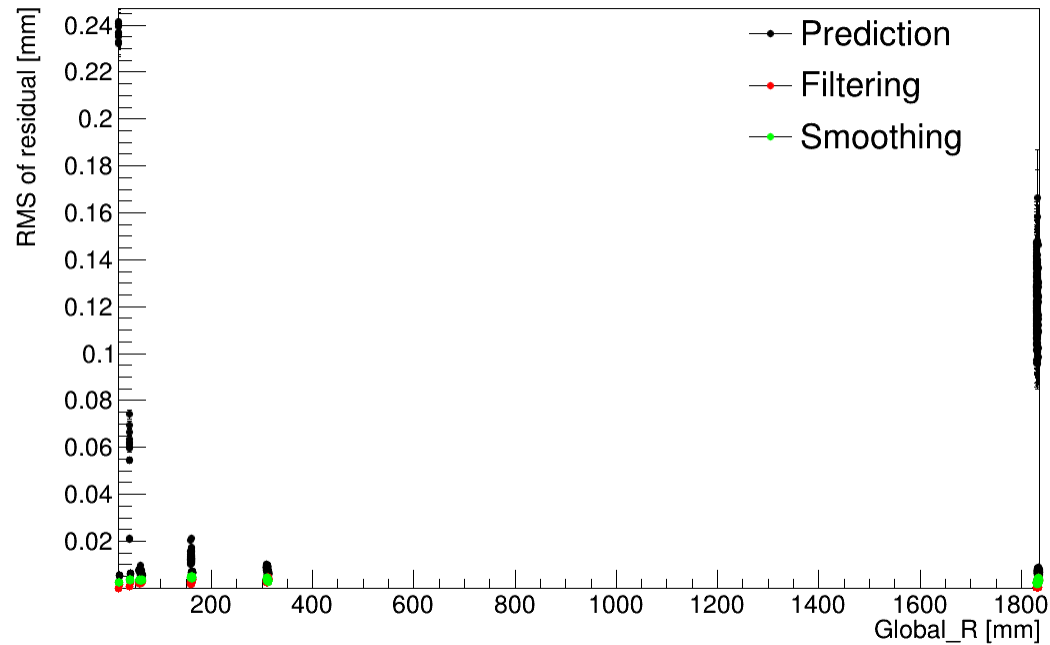
loc0



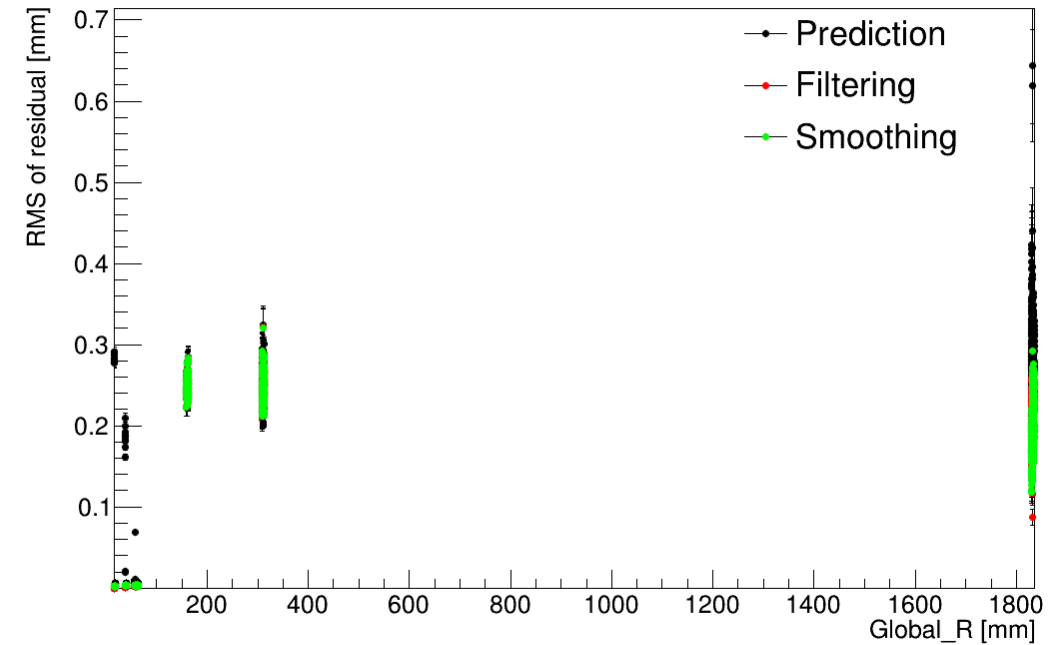
loc1

After changing the geometry - Backward filtering - Turn off TPC

- RMS of Residuals (prt/flt/smt - smear) of loc0 and loc1



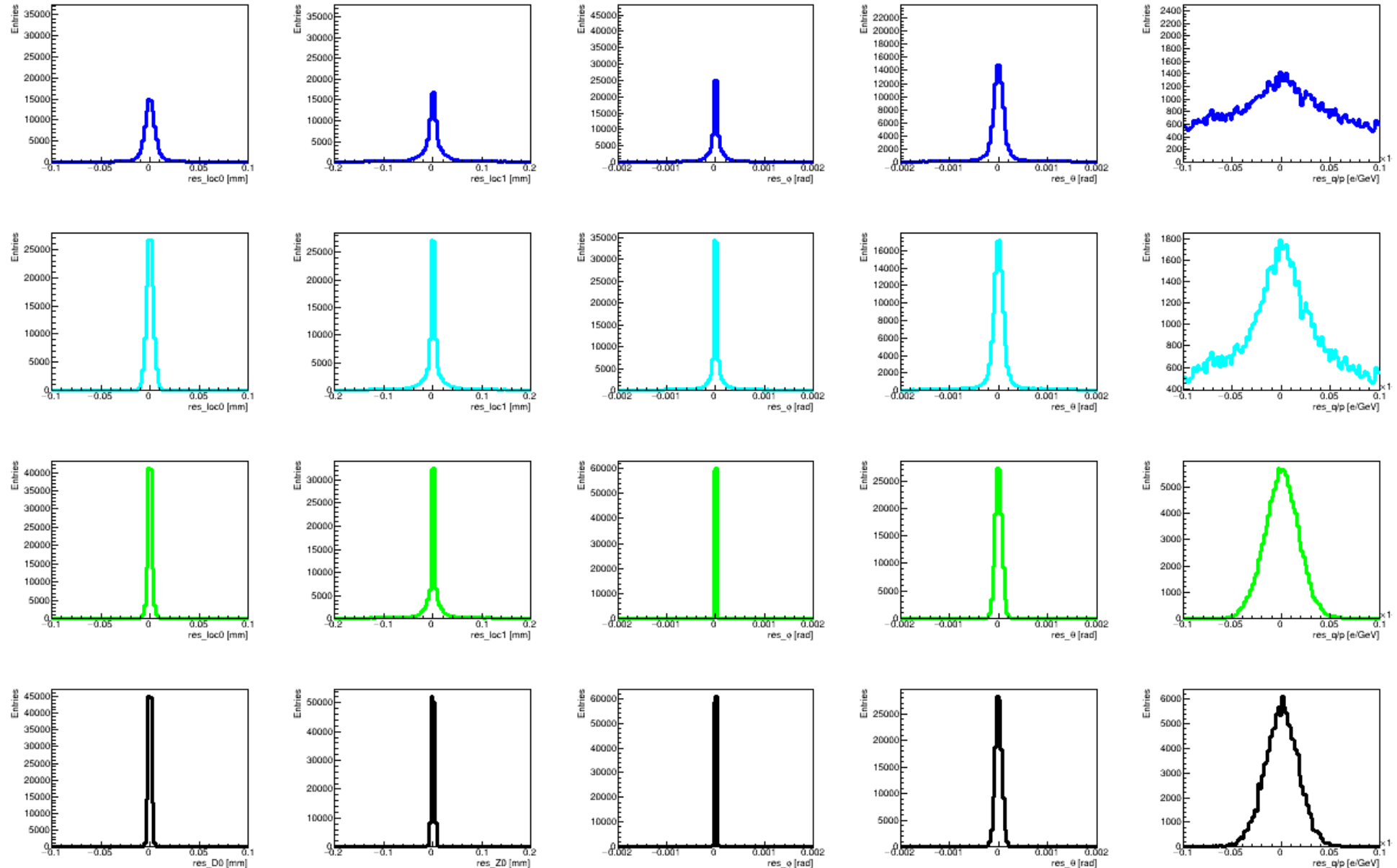
loc0



loc1

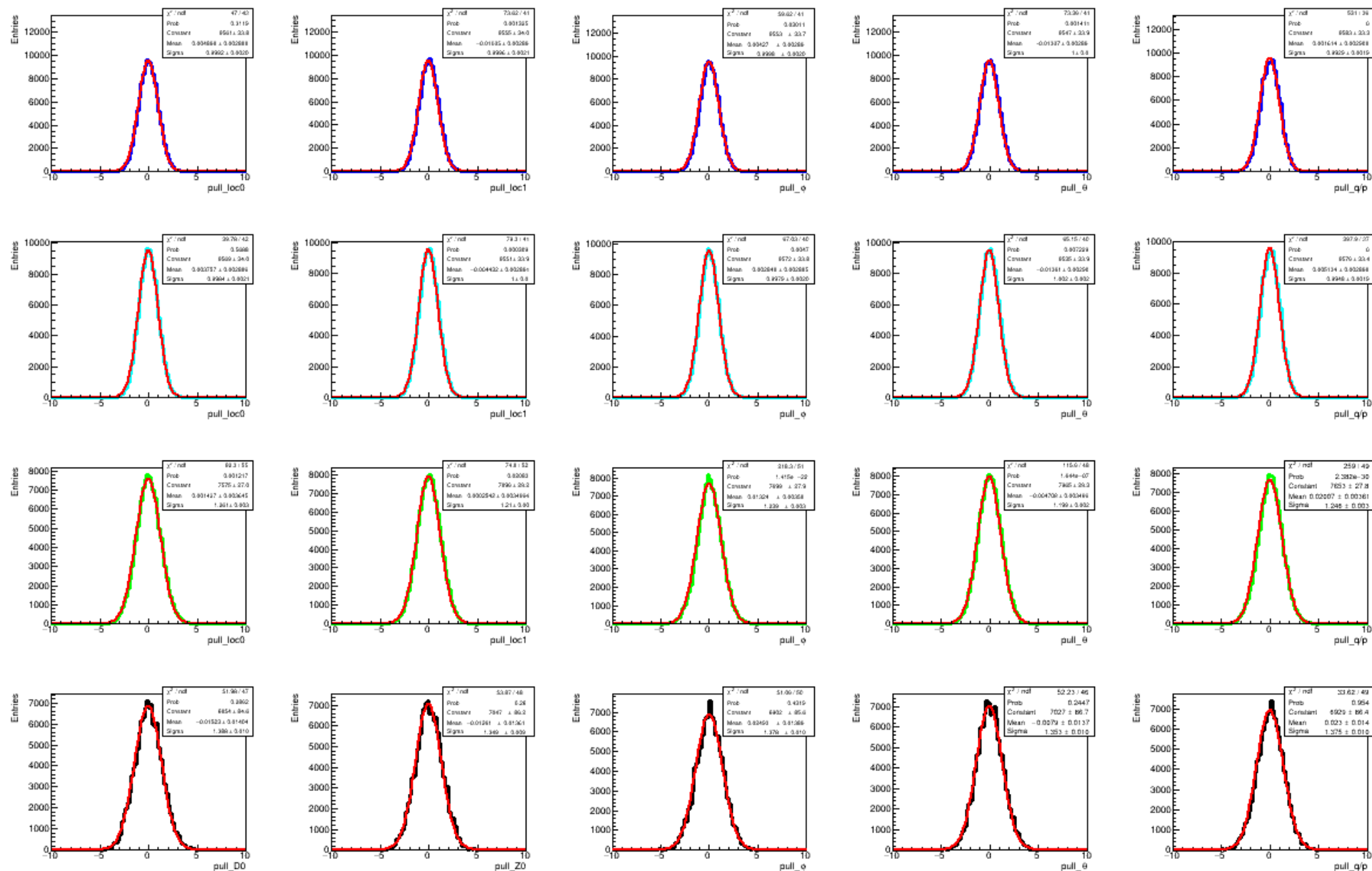
After changing the geometry - Backward filtering - Turn off TPC

- Residuals



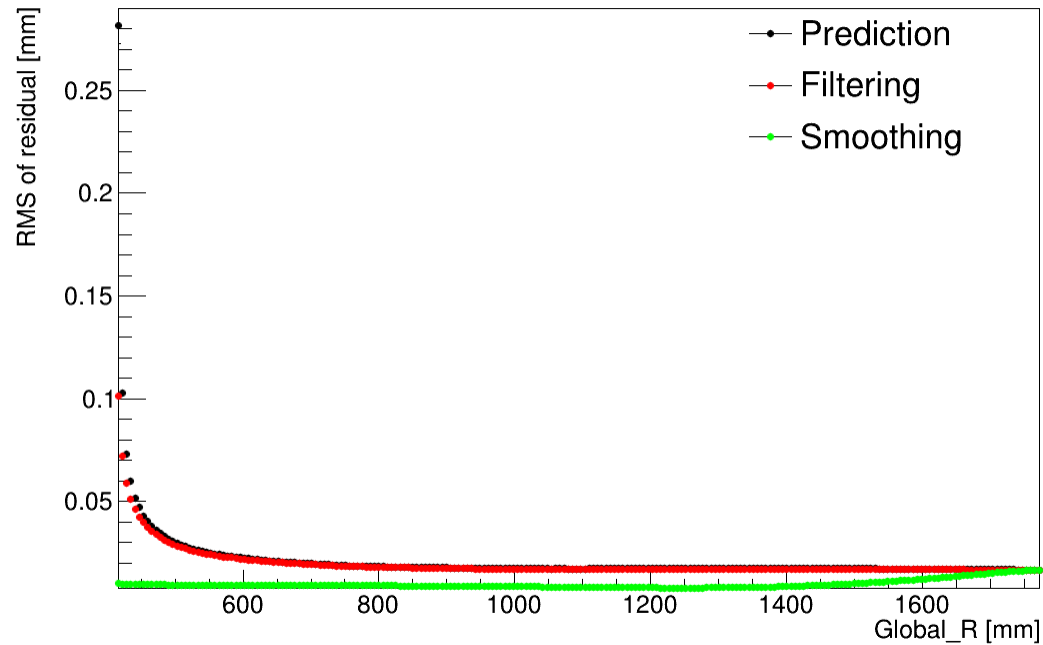
After changing the geometry - Backward filtering - Turn off TPC

- Pulls

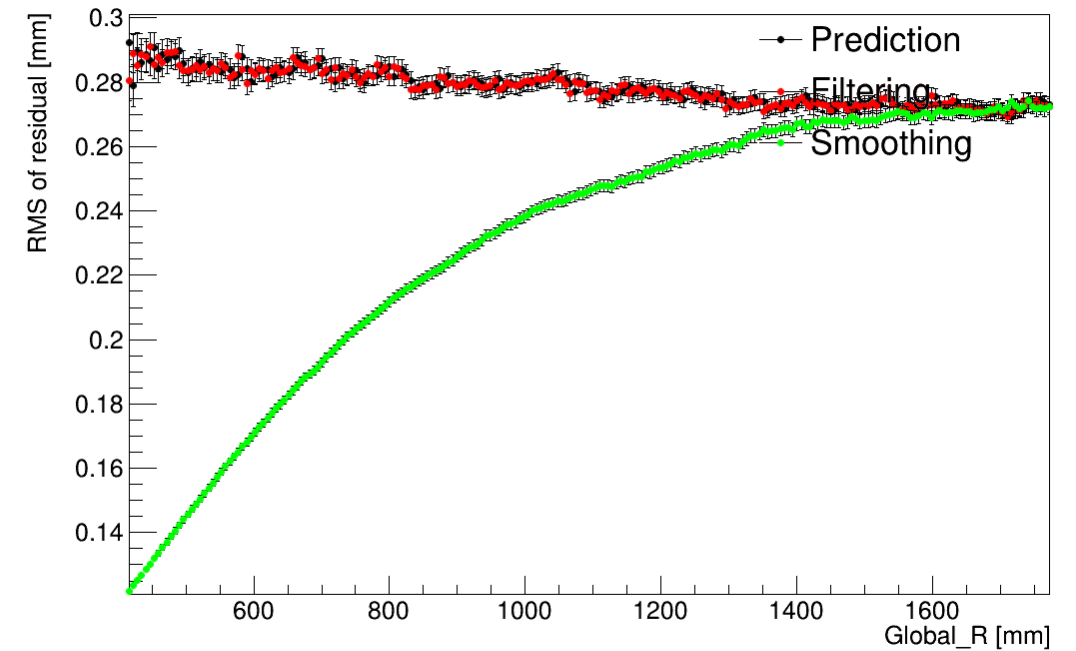


After changing the geometry - Backward filtering - TPC only

- RMS of Residuals (prt/flt/smt - truth) of loc0 and loc1



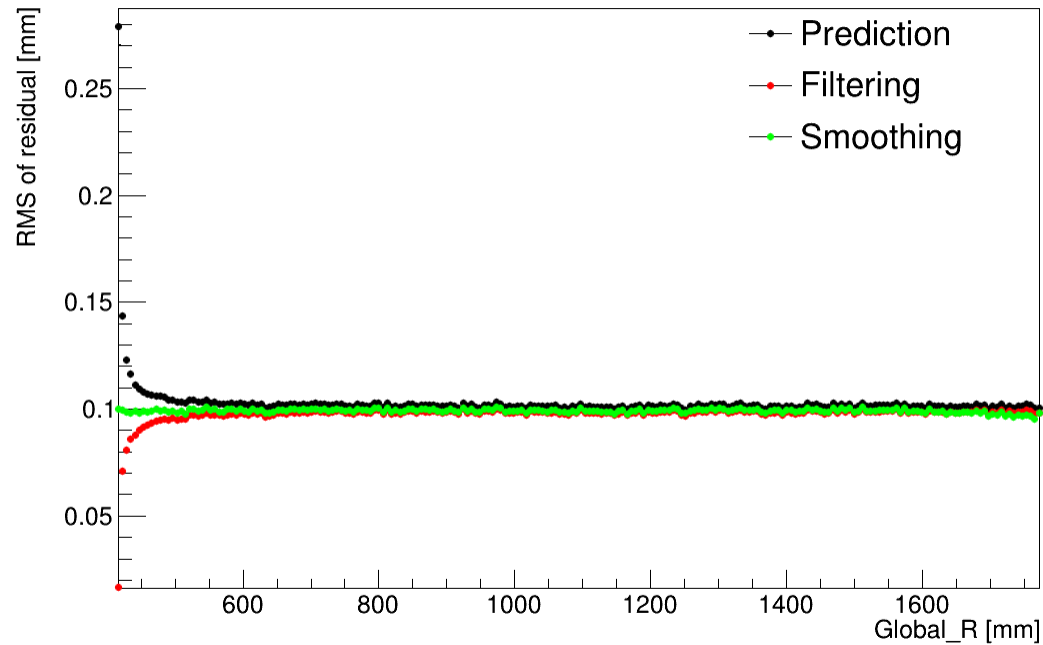
loc0



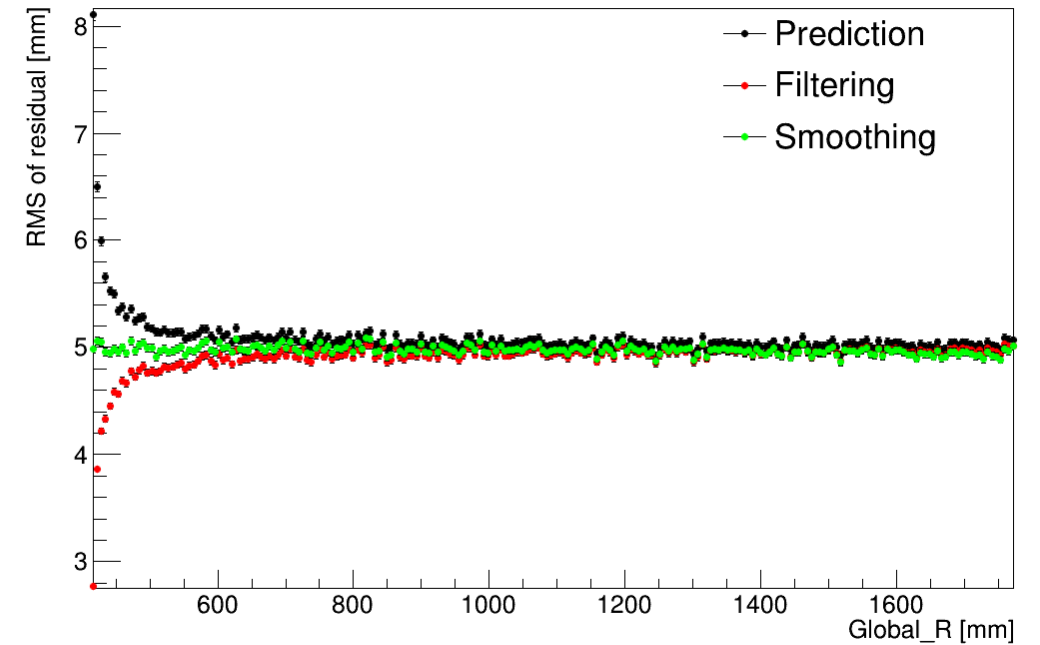
loc1

After changing the geometry - Backward filtering - TPC only

- RMS of Residuals (prt/flt/smt - smear) of loc0 and loc1



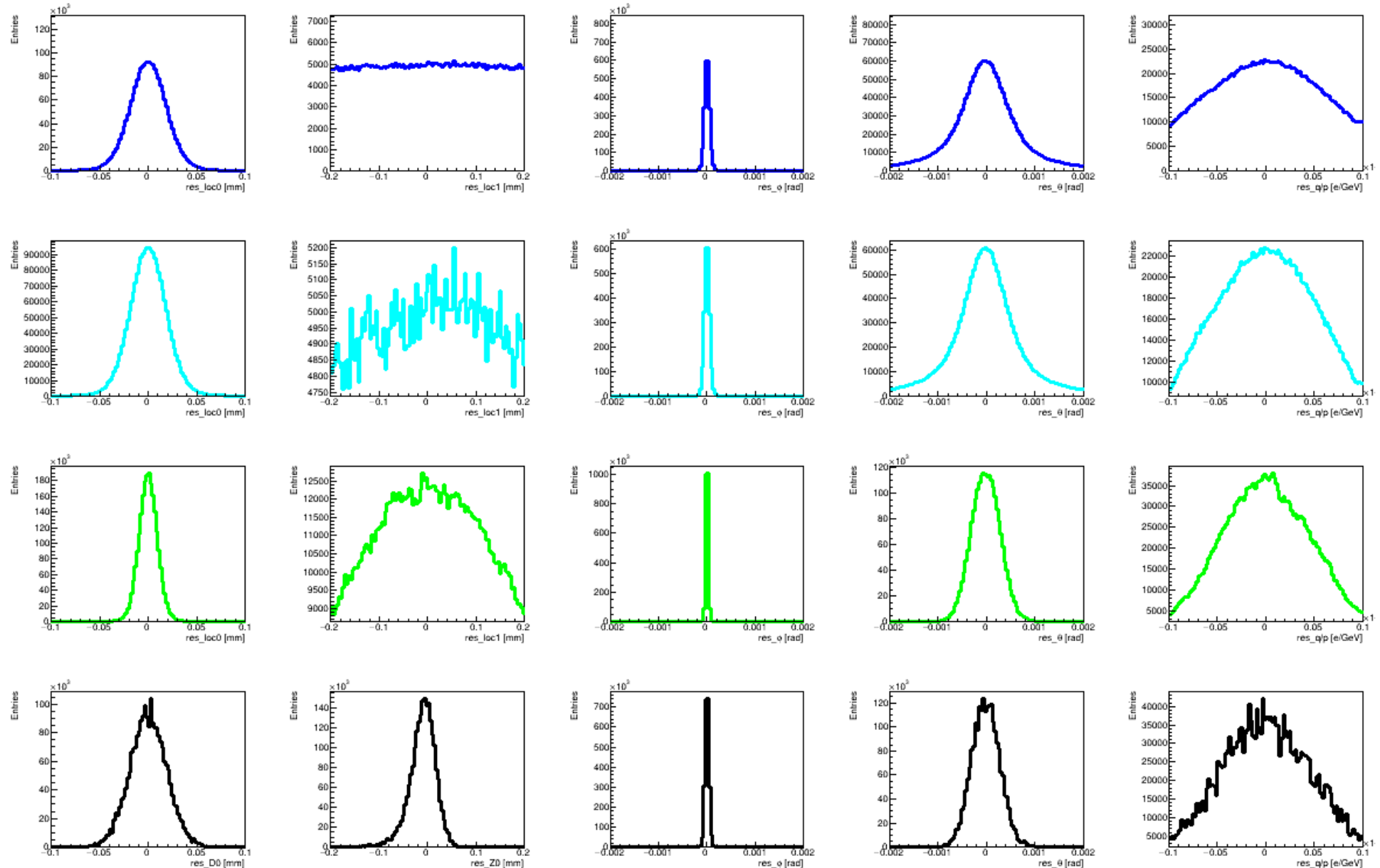
loc0



loc1

After changing the geometry - Backward filtering - TPC only

- Residuals



After changing the geometry - Backward filtering - TPC only

- Pulls

