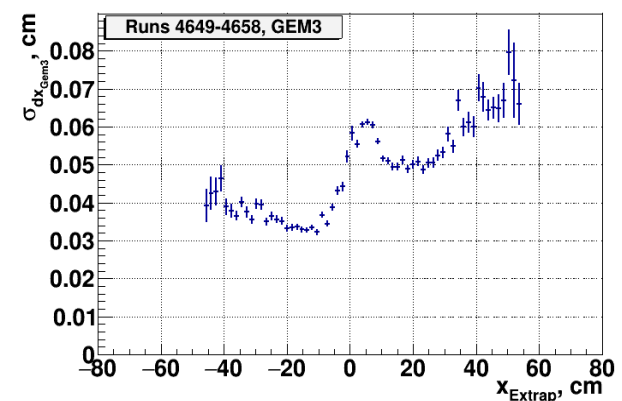
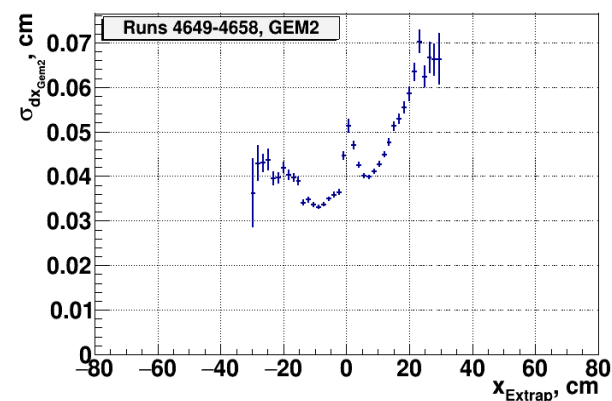
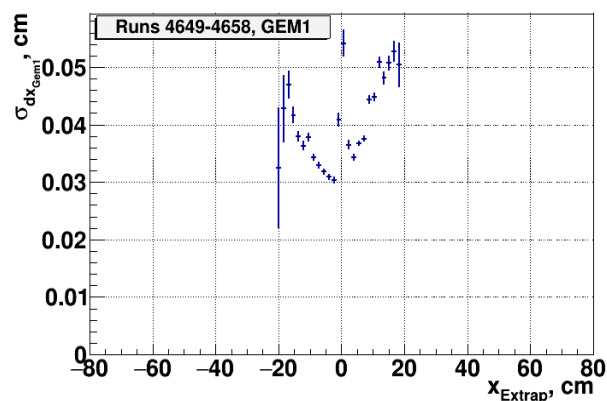
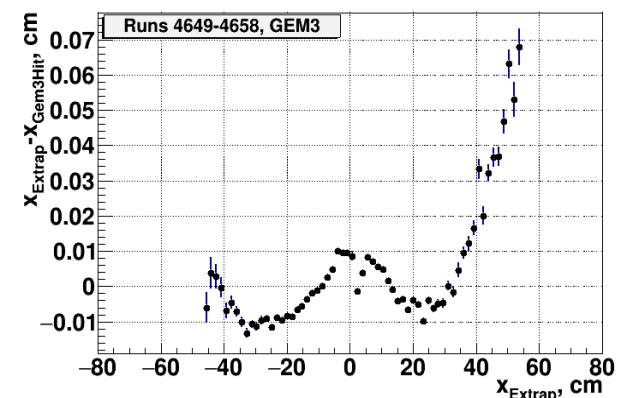
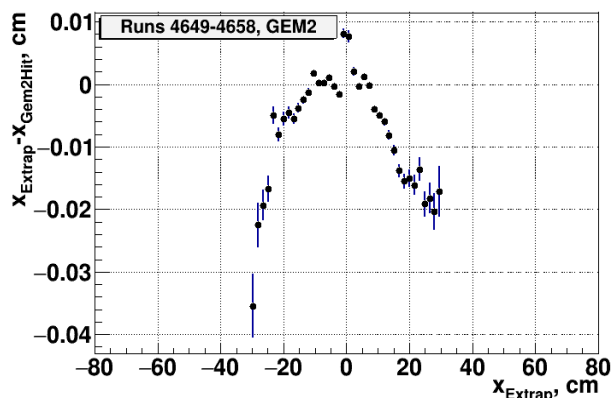
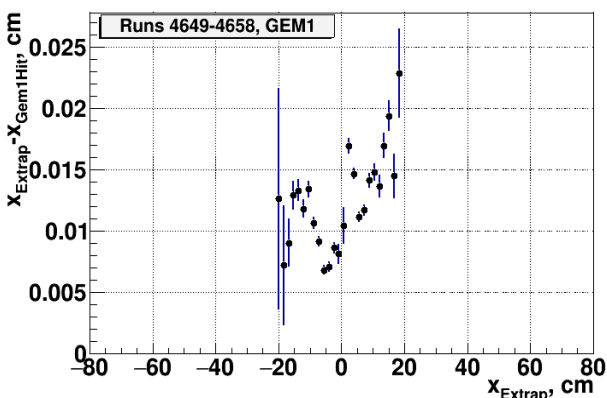
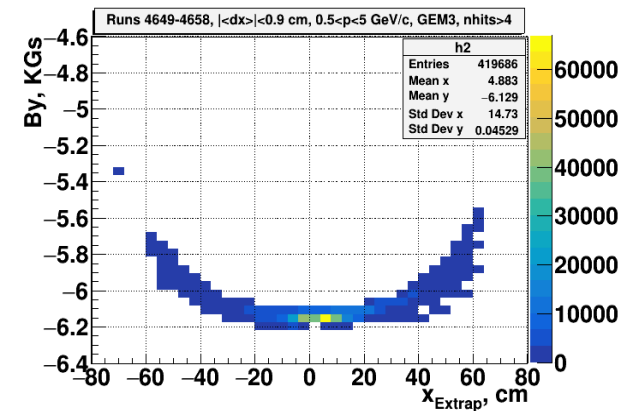
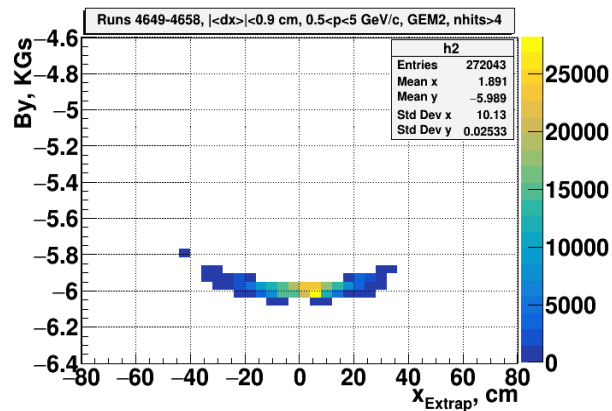
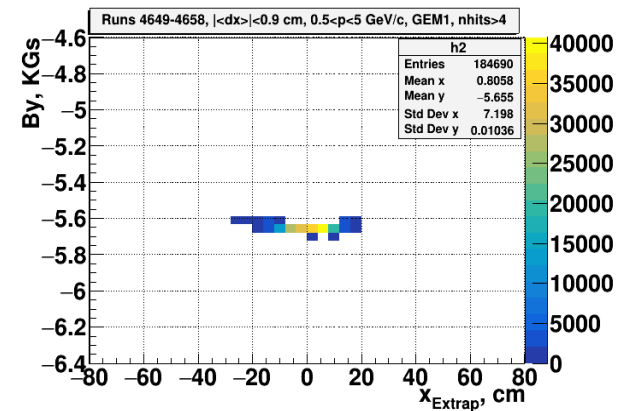


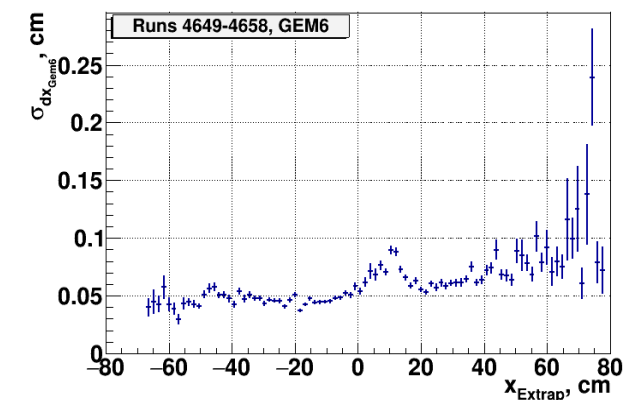
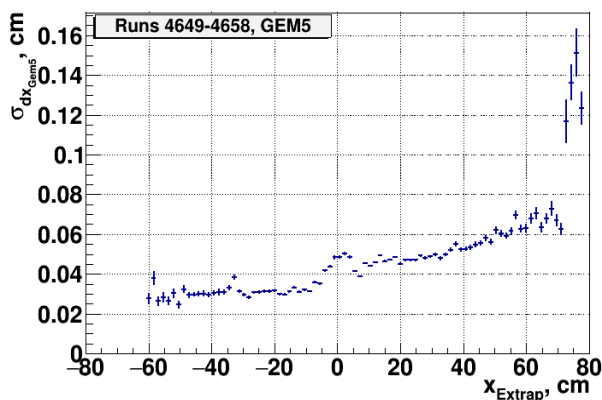
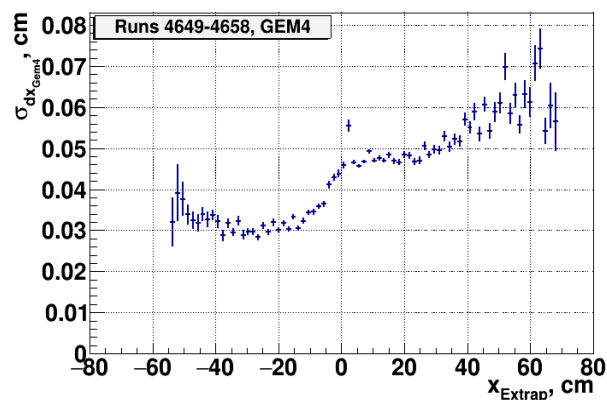
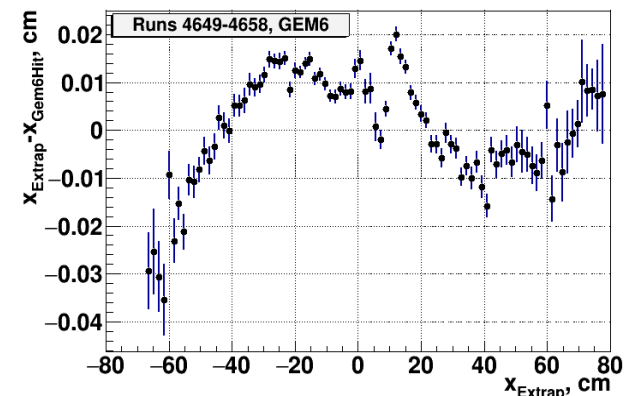
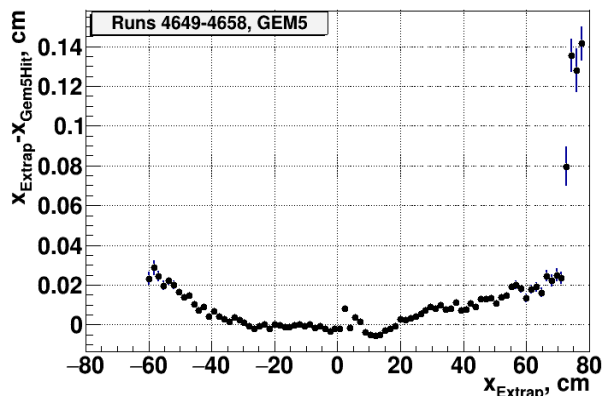
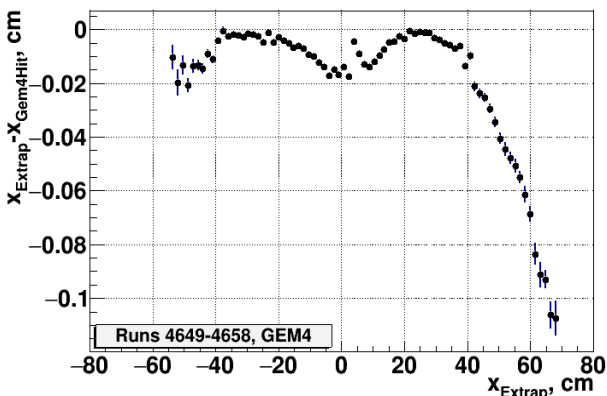
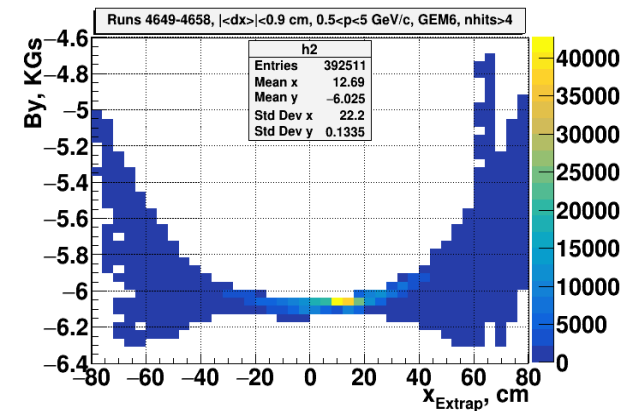
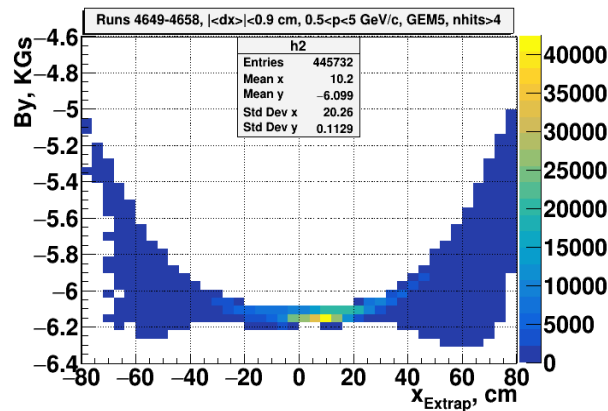
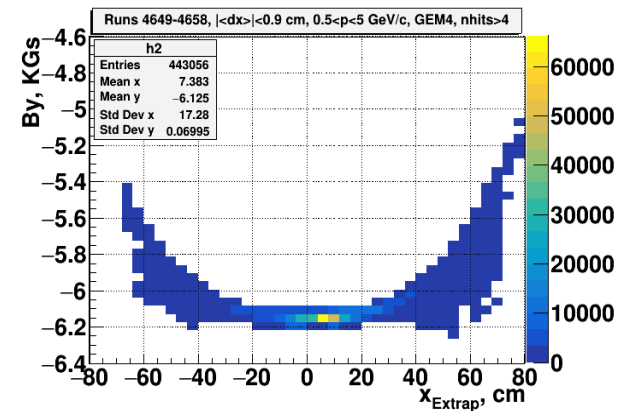
# GEM residuals vs By

- $dx_{\text{GEM}}$  vs By

# dx<sub>GEM</sub> vs By, GEM1-GEM3



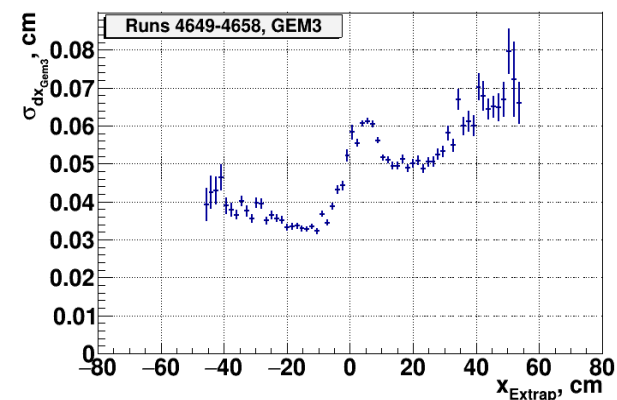
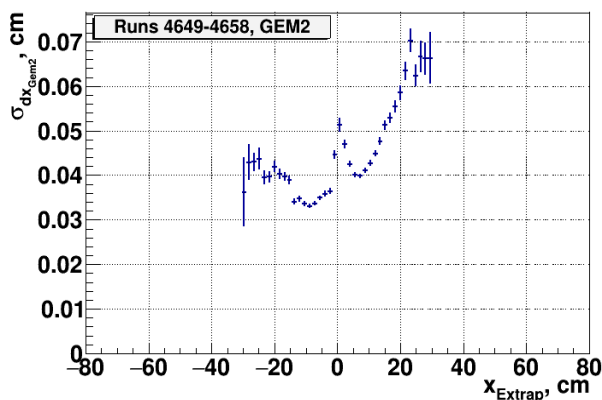
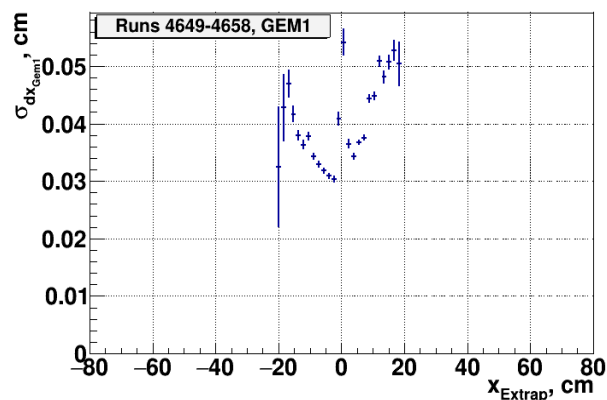
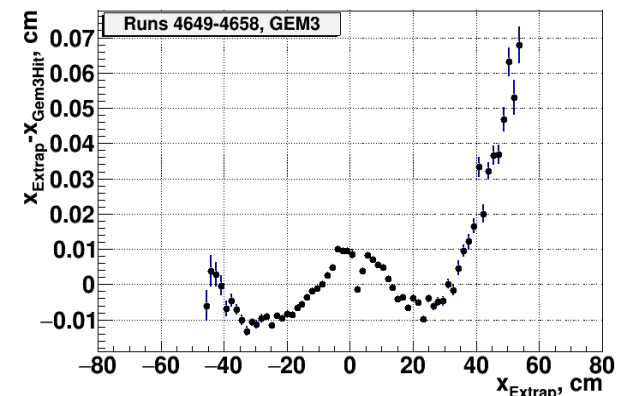
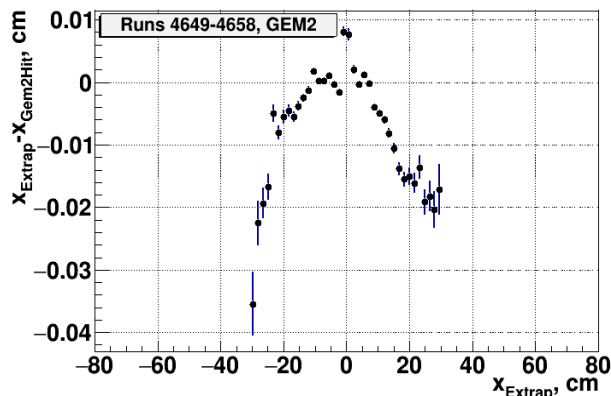
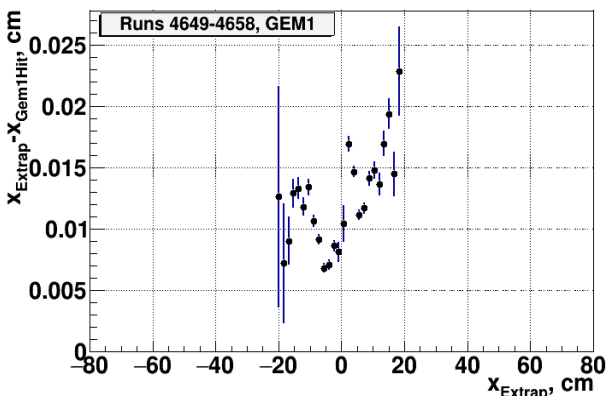
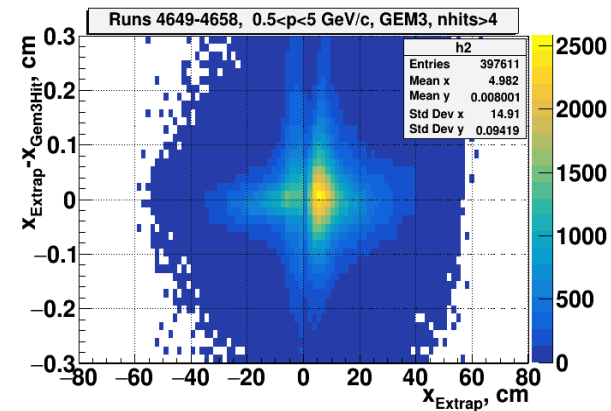
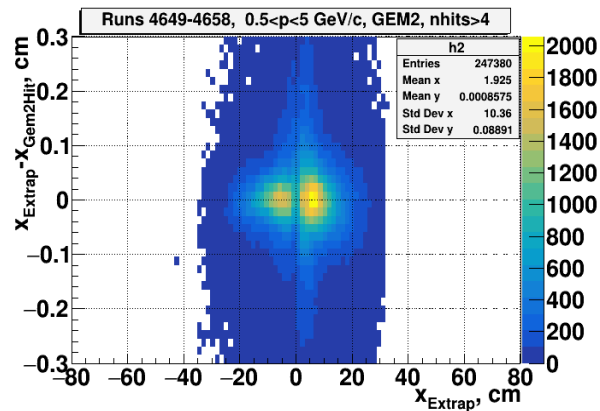
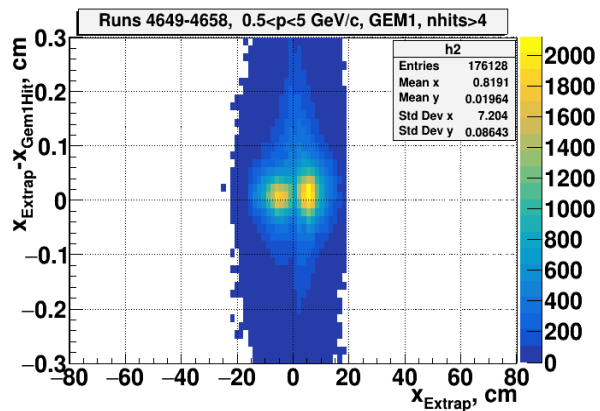
# dx<sub>GEM</sub> vs By, GEM4-GEM6



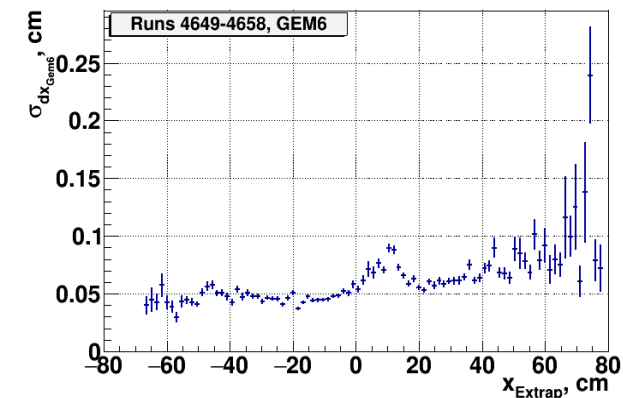
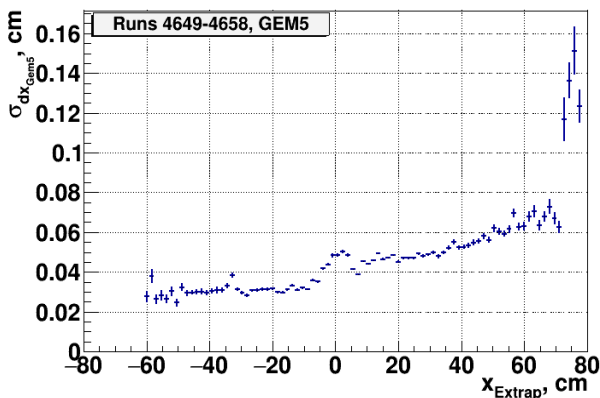
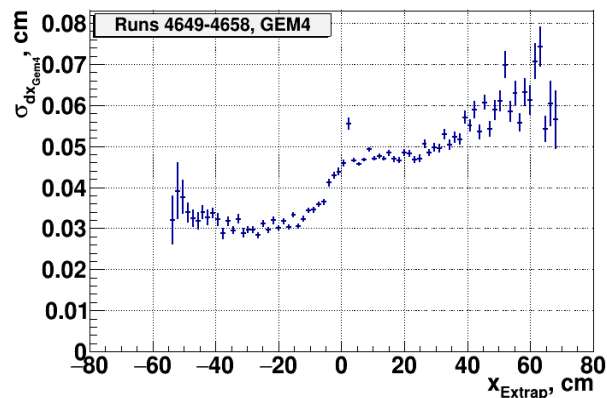
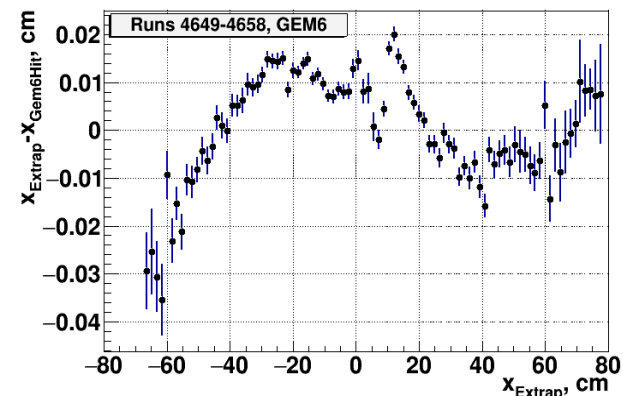
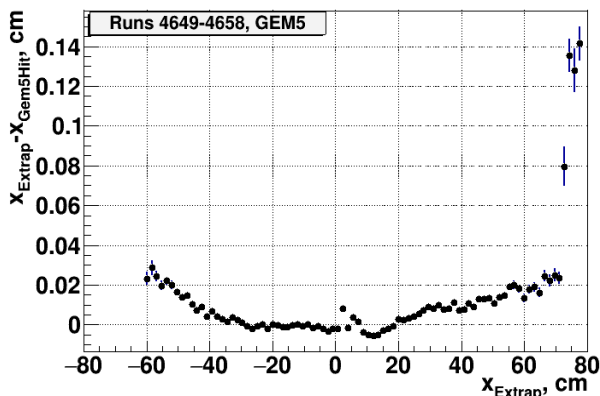
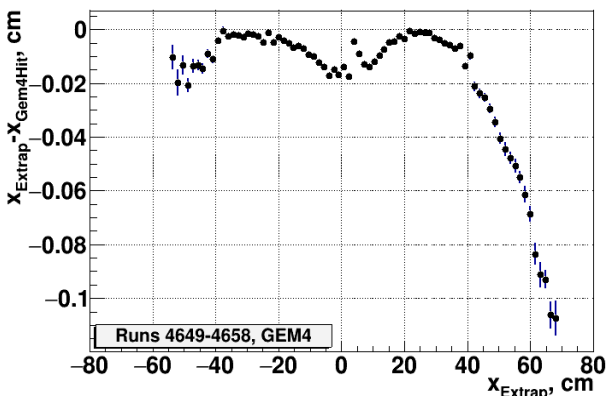
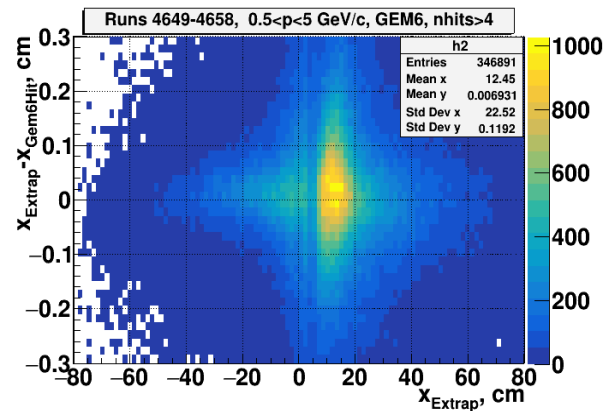
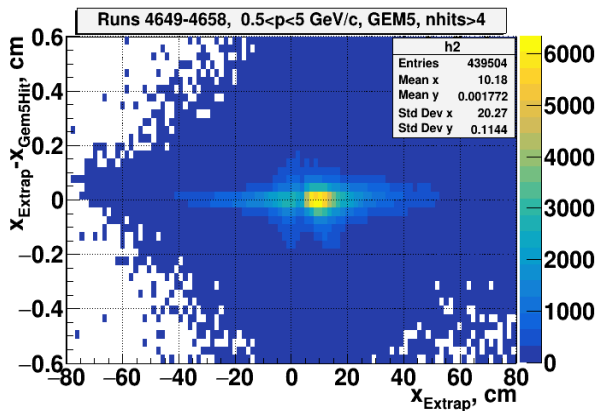
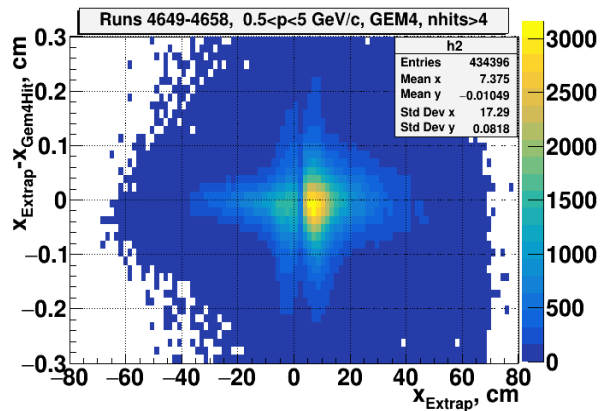


# Backup

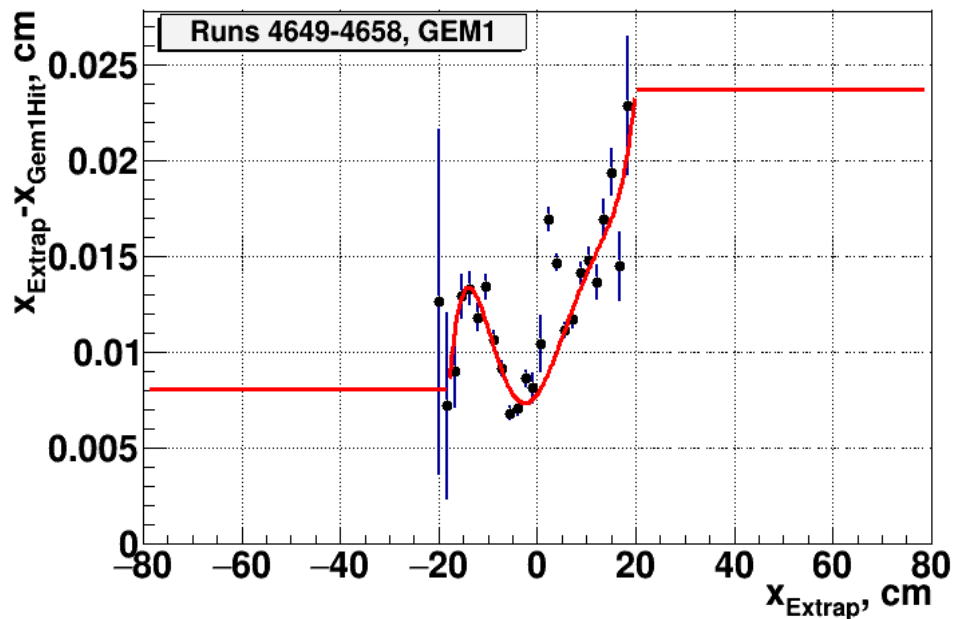
# $dx_{GEM}$ vs $x_{GEM}$ , GEM1-GEM3



# $dx_{GEM}$ vs $x_{GEM}$ , GEM4-GEM6



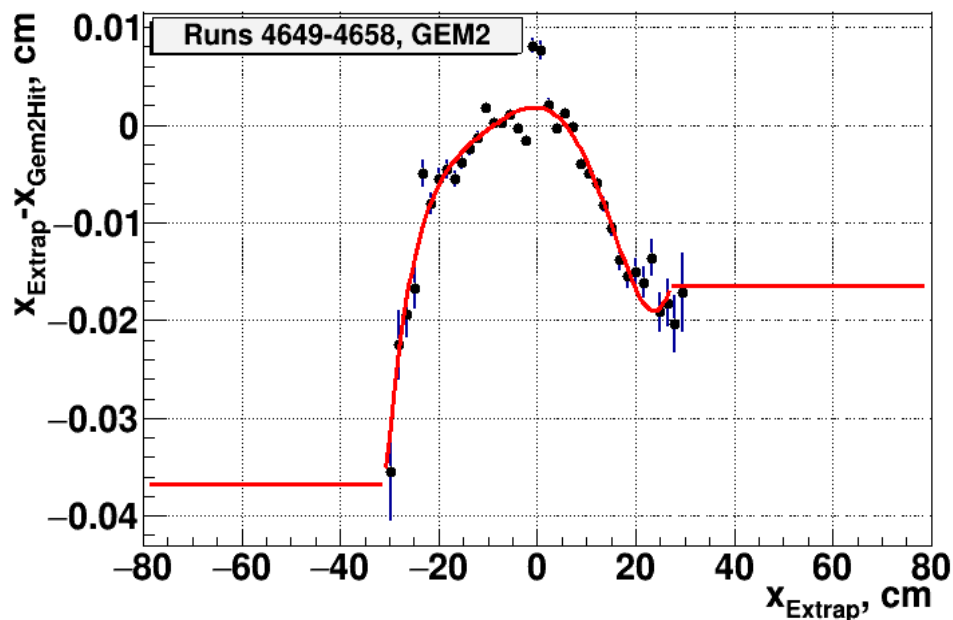
# $dx_{\text{GEM}}$ vs $x_{\text{GEM}}$ , GEM1



	p0	p1	p2	p3	p4	p5
$x < -18$ cm	0.0080894	0	0	0	0	0
$-18 \leq x < 20$ cm	7.83953 e-03	3.68993 e-04	6.13933 e-05	-3.21277 e-06	-1.30483 e-07	9.54564 e-09
$x \geq 20$ cm	0.023739	0	0	0	0	0

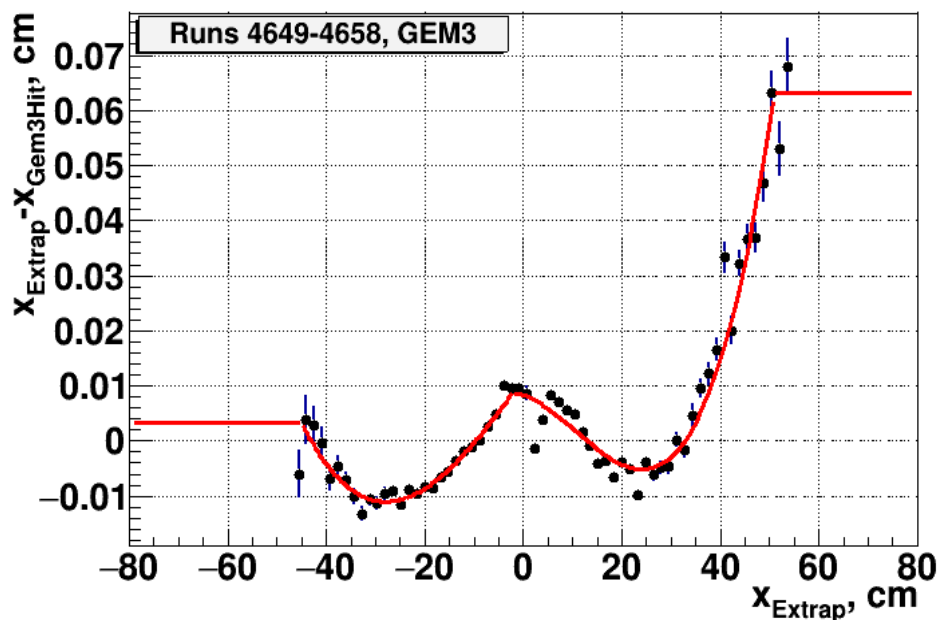


# $dx_{\text{GEM}}$ vs $x_{\text{GEM}}$ , GEM2



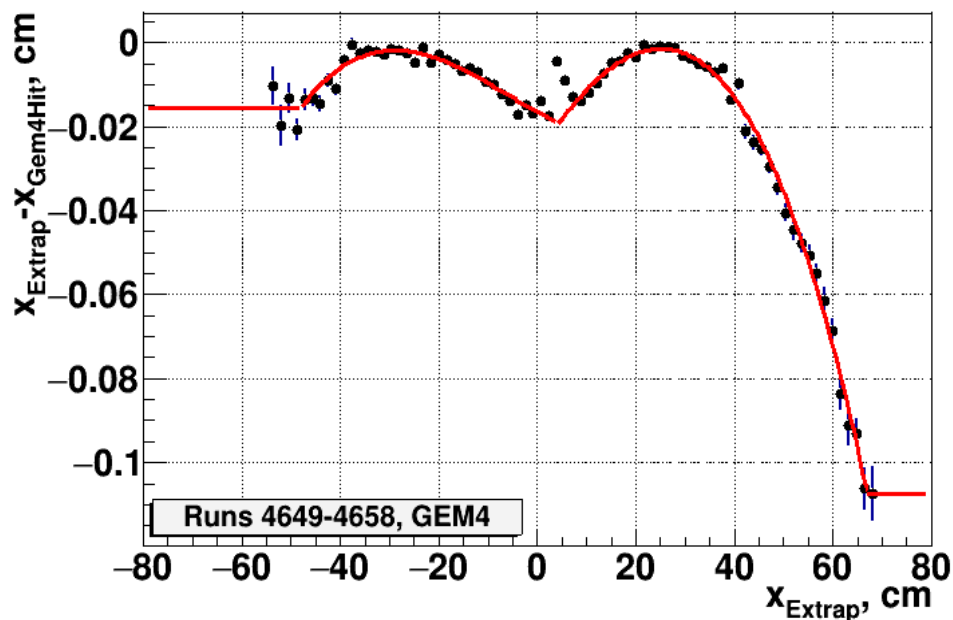
	p0	p1	p2	p3	p4	p5
$x < -31$ cm	-0.0368	0	0	0	0	0
$-31 \leq x < 27$ cm	1.81617 e-03	-4.74240 e-05	-4.06193 e-05	-1.38114 e-06	1.88301 e-08	2.08179 e-09
$x \geq 27$ cm	-0.01639	0	0	0	0	0

# $dx_{\text{GEM}}$ vs $x_{\text{GEM}}$ , GEM3



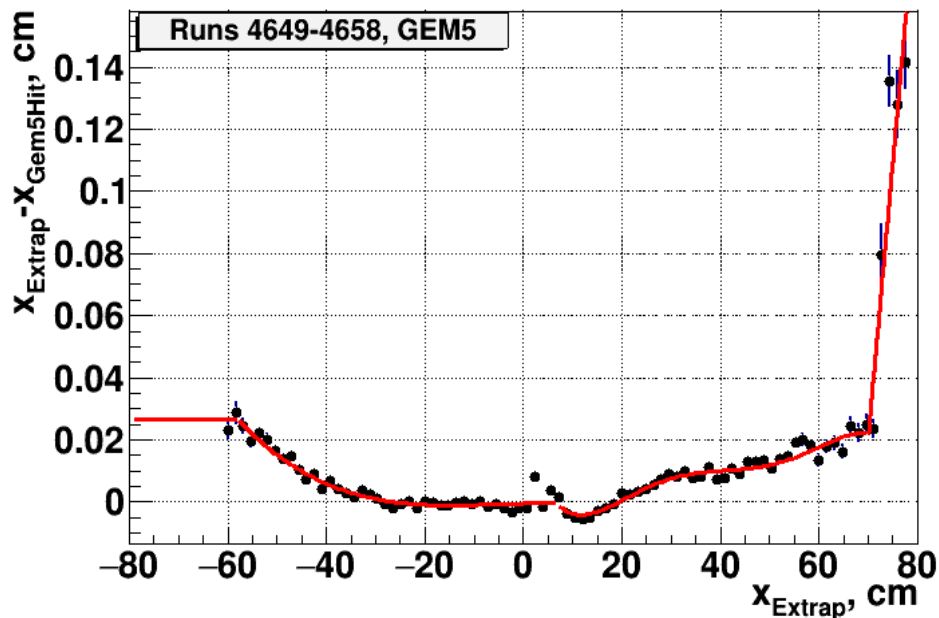
	p0	p1	p2	p3
$x < -45$ cm	0.003209	0	0	0
$-45 \leq x < -2$ cm	1.15155 e-02	1.26308 e-03	3.84386 e-06	-4.47132 e-07
$-2 \leq x < 51$ cm	8.28004 e-03	-2.96697 e-04	-4.47043 e-05	1.40459 e-06
$x \geq 51$ cm	0.063258	0	0	0

# $dx_{\text{GEM}}$ vs $x_{\text{GEM}}$ , GEM4



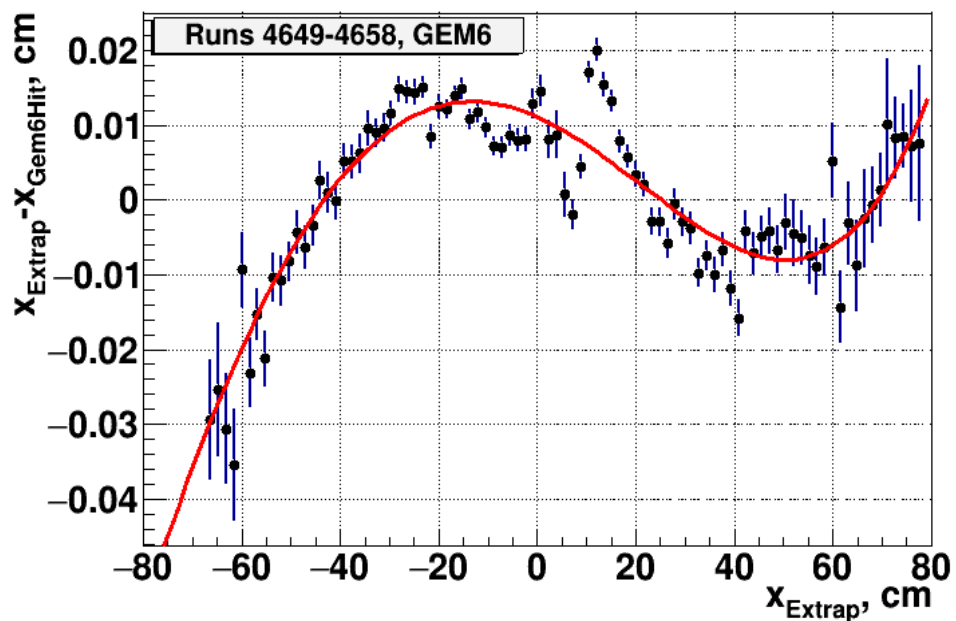
	p0	p1	p2	p3
$x < -48$ cm	-0.015580	0	0	0
$-48 \leq x < 4$ cm	-1.65508 e-02	-6.58794 e-04	7.08778 e-06	4.24818 e-07
$4 \leq x < 67$ cm	-2.65059 e-02	1.80231 e-03	-2.42993 e-05	-3.07958 e-07
$x \geq 51$ cm	-0.107473	0	0	0

# $dx_{\text{GEM}}$ vs $x_{\text{GEM}}$ , GEM5



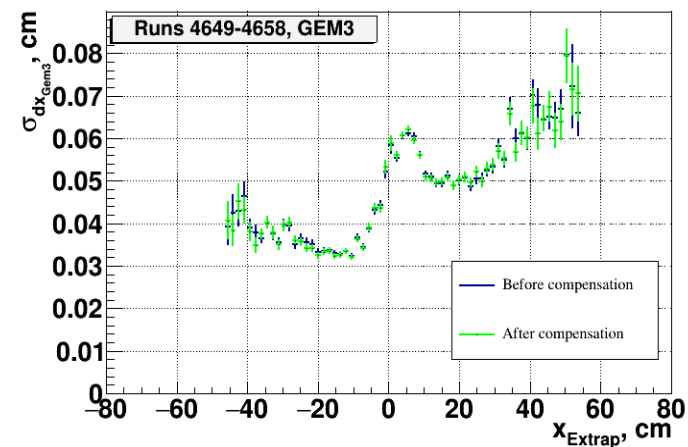
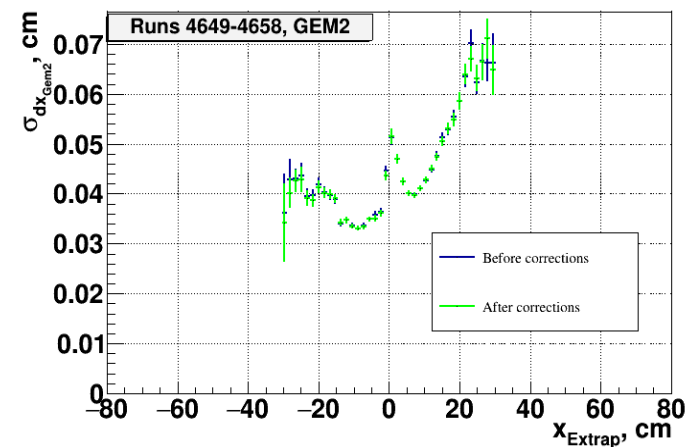
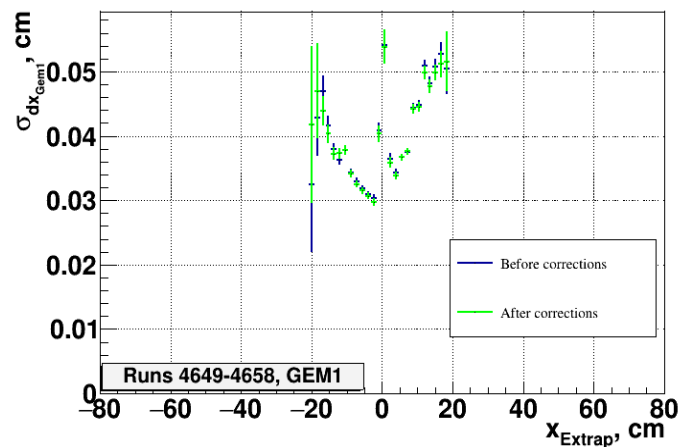
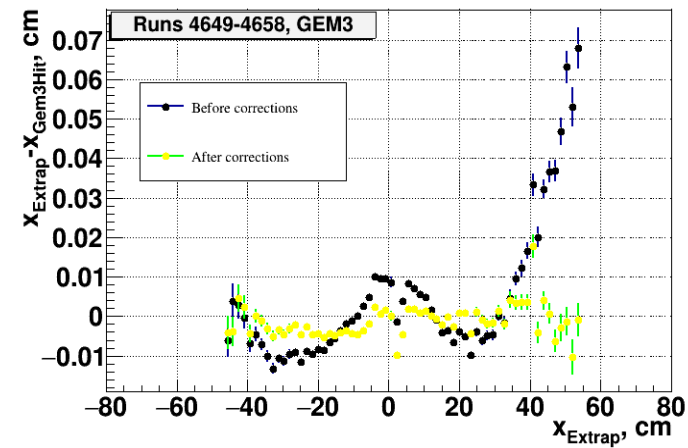
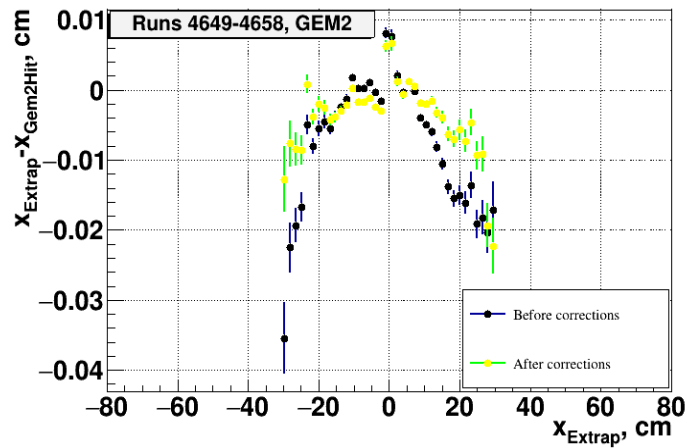
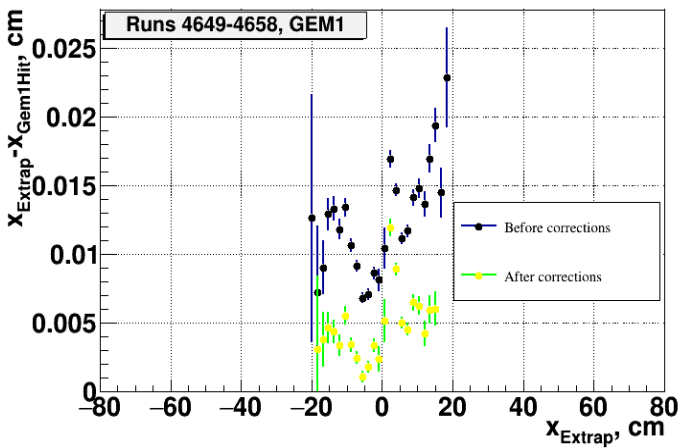
	p0	p1	p2	p3	p4	p5
$x < -58$ cm	0.026469	0	0	0	0	0
$-58 \leq x < 7$ cm	-5.19525 e-04	3.51999 e-05	-3.50389 e-06	-2.09152 e-07	0	0
$7 \leq x < 70$ cm	2.33610 e-02	-5.99469 e-03	4.42845 e-04	-1.31869 e-05	1.76073 e-07	-8.65865 e-10
$x \geq 70$ cm	-1.22426	1.77850 e-02	0	0	0	0

# $dx_{\text{GEM}} \text{ vs } x_{\text{GEM}}, \text{ GEM6}$

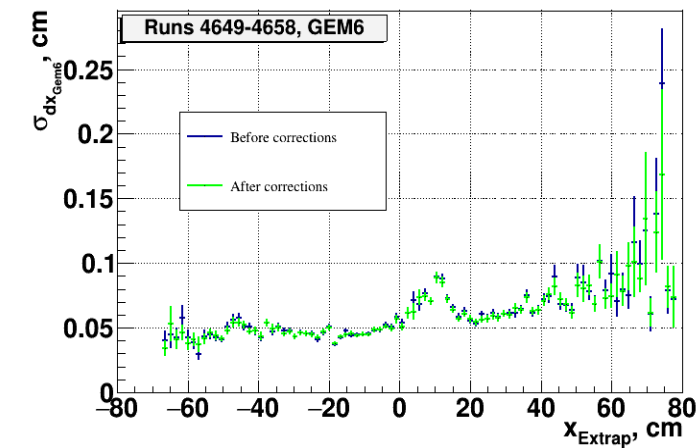
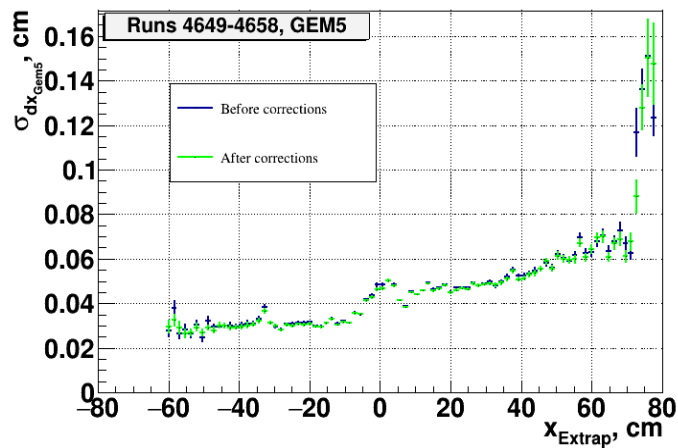
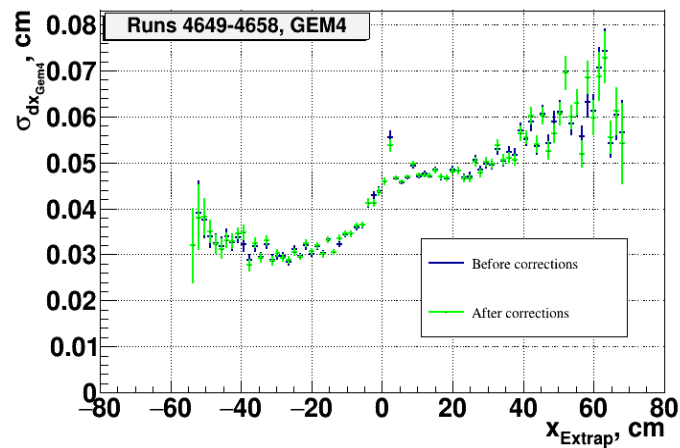
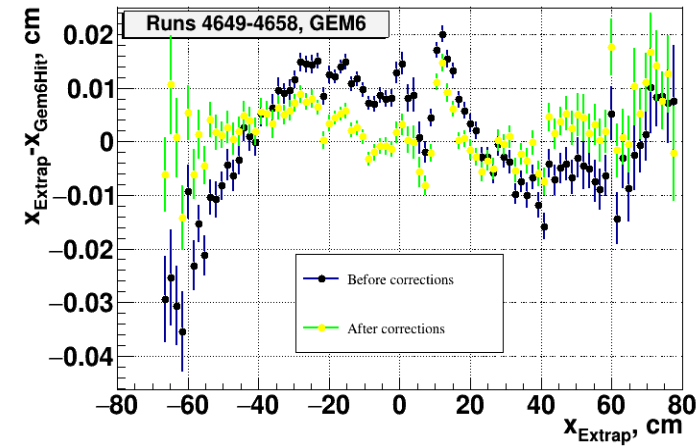
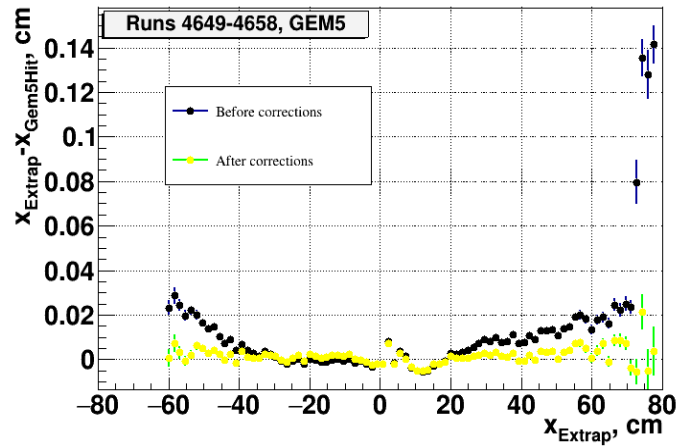
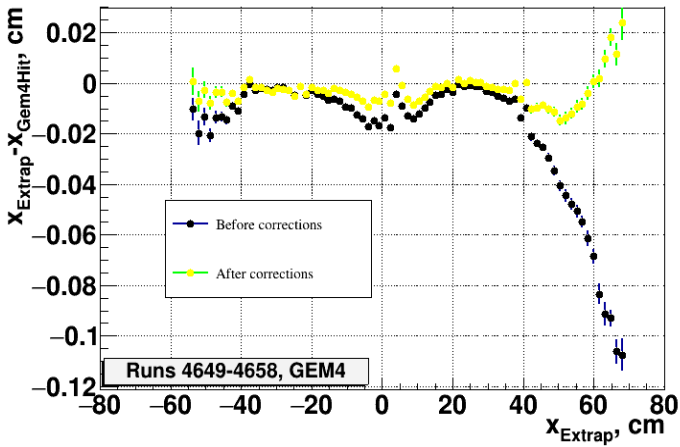


	p0	p1	p2	p3	p4
$-80 \leq x \leq 80 \text{ cm}$	1.10884 e-02	-2.96120 e-04	-9.06760 e-06	1.14031 e-07	6.65055 e-10

# Compensation results, GEM1-GEM3



# Compensation results, GEM4-GEM6



# Compensation results

- Residual shift on average become **half as much**
- Residuals at stations **GEM2**, **GEM4** and **GEM6** demonstrate somewhat specific behavior
- The width of the residuals practically **does not change** for **all GEMs**
- **What's the next step?**