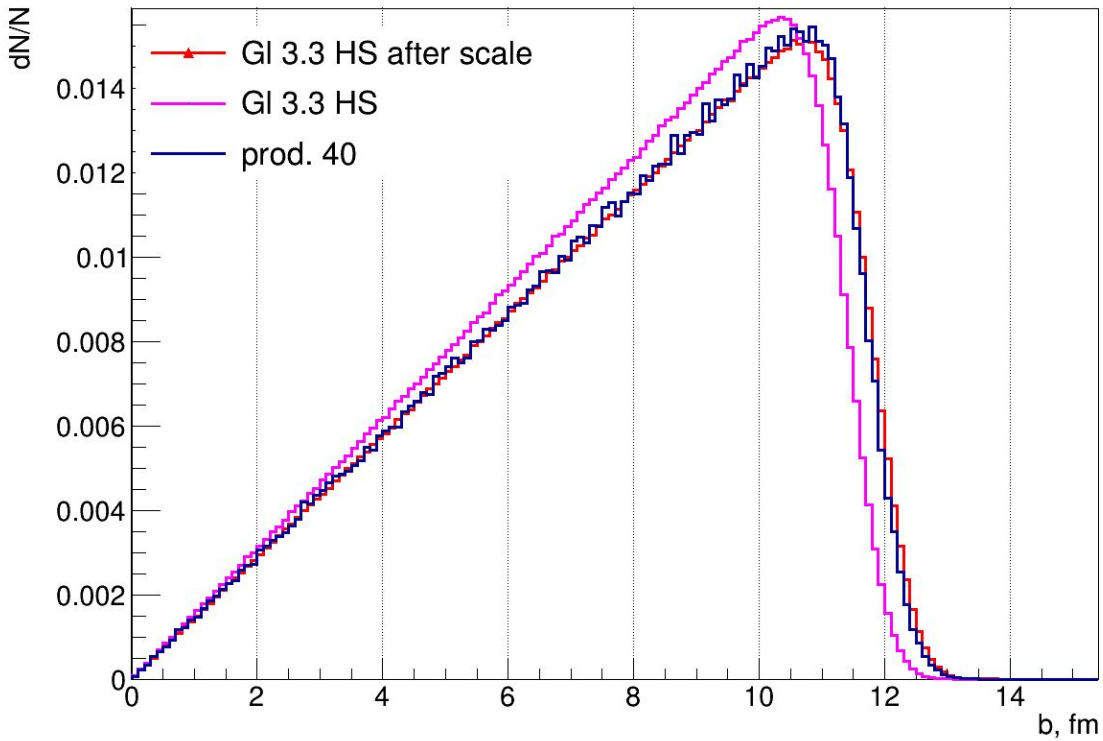
Prod. 40
(UrQMD XeW 2.5 AGeV)

Impact parameter



Initial param:

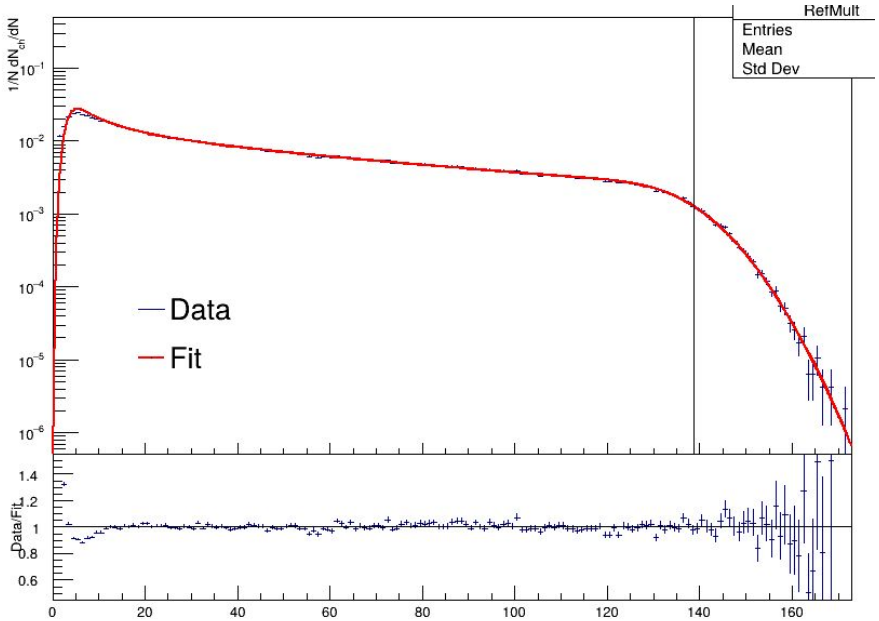
- HS
- $sigma_{NN}$ = 24.617
- W184LB (184; R=6.3599; Z=74)
- Xe124 (124; R=5.431; Z=54)

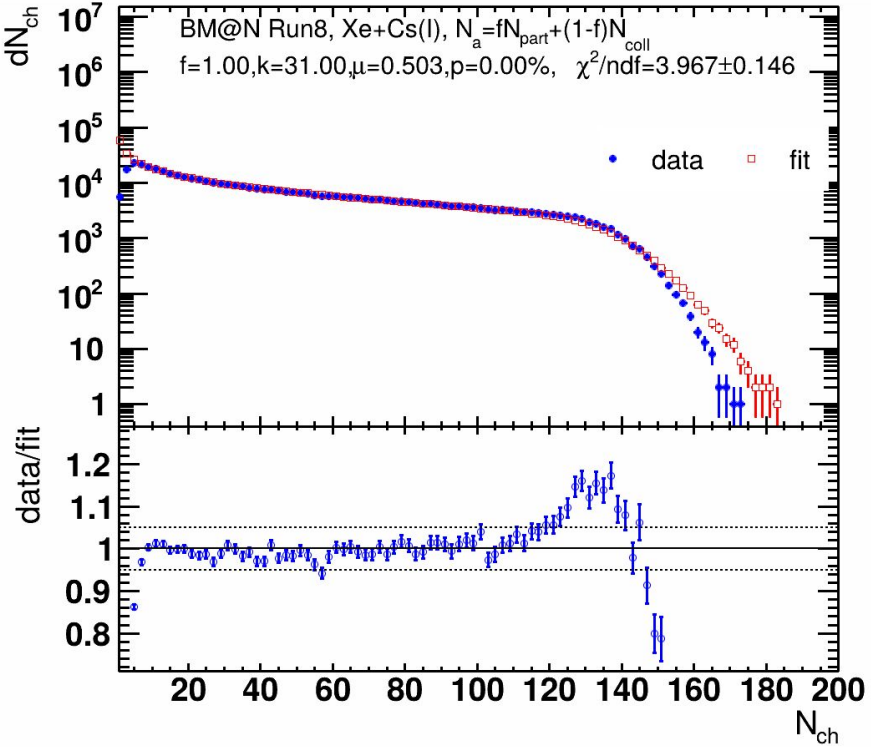
Scale factor = 1.0385:

R_{W184LB}= 6.605

R_{Xe124}= 5.640

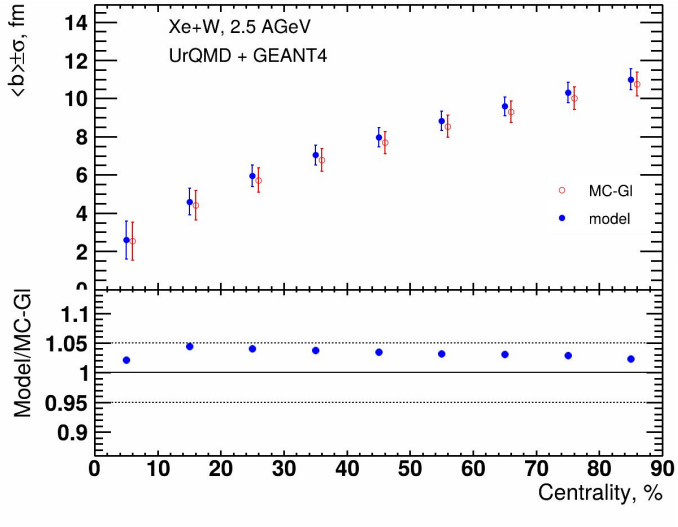
Centrality (Γ-fit)

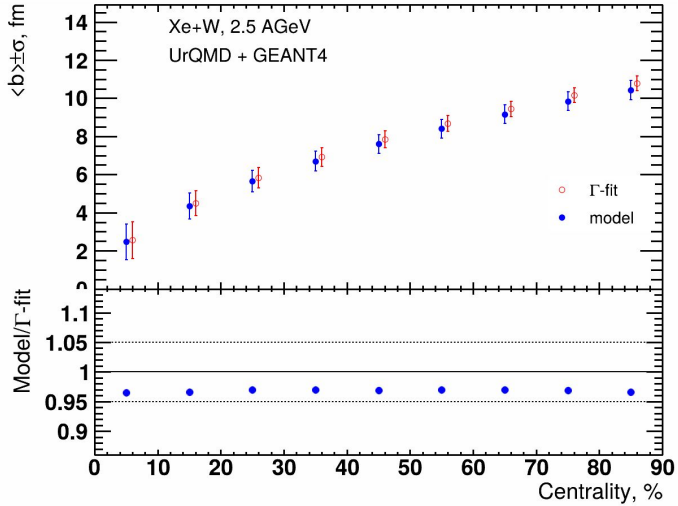


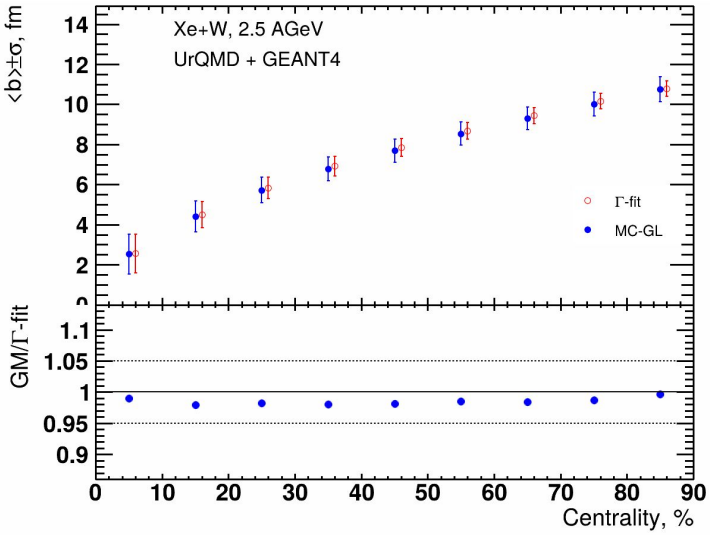


Cuts:

- 0<Eta<2
- $DCA_{x,y,z}$<2
- nHitsTr>16
- only charged
- p_T>0.01

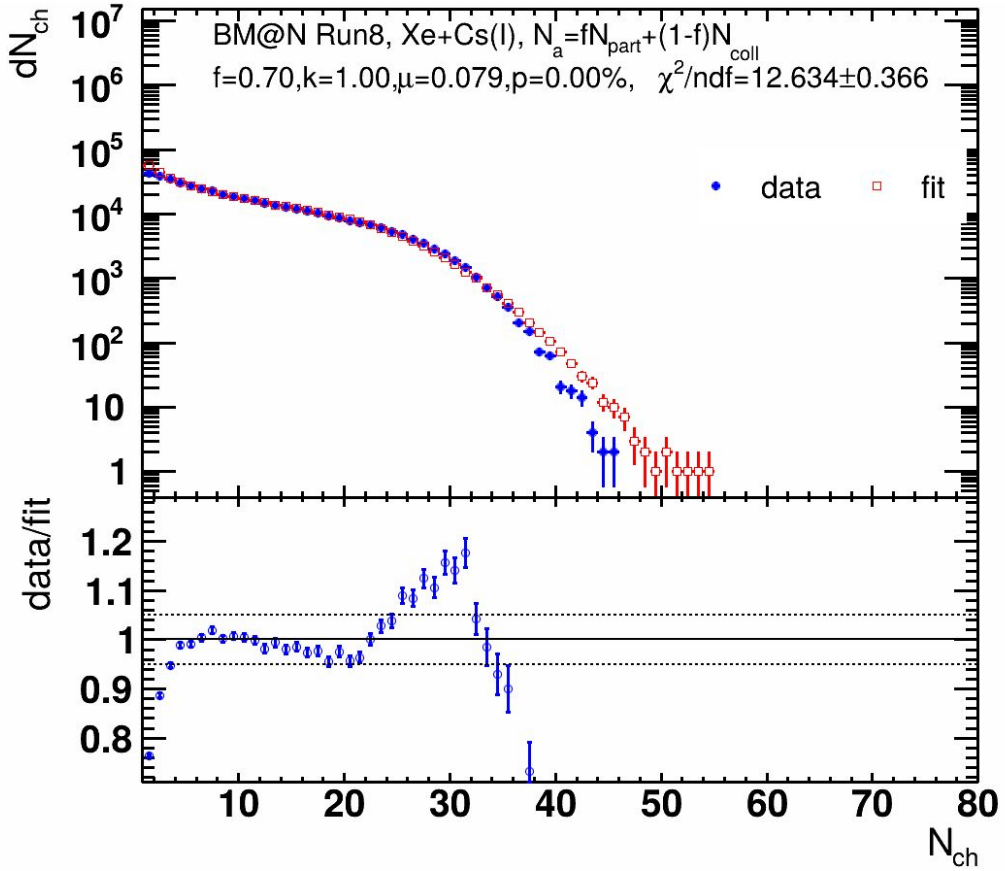




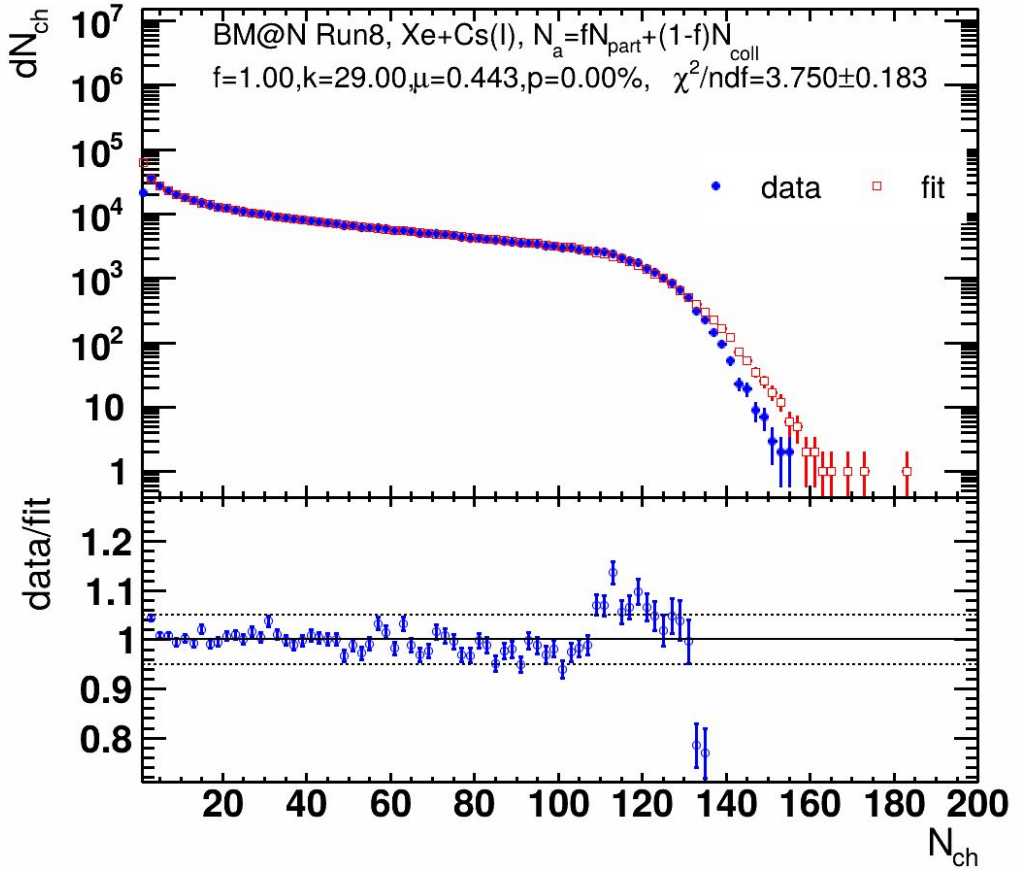


cent bin (mult)	
GL	Gamma
173	183
105	102
81	76
62	57
47	42
35	30
25	20
17	13
11	7
7	2
1	1

Ch < 0


BM@N Run8, Xe+Cs(I), N_a=fN_part+(1-f)N_coll
f=0.70,k=1.00,μ=0.079,p=0.00%, χ²/ndf=12.634±0.366
data
fit
dN_ch
data/fit
N_ch

MC-Tr


BM@N Run8, Xe+Cs(I), N_a=fN_part+(1-f)N_coll
f=1.00,k=29.00,μ=0.443,p=0.00%, χ²/ndf=3.750±0.183
data
fit
dN_ch
data/fit
N_ch