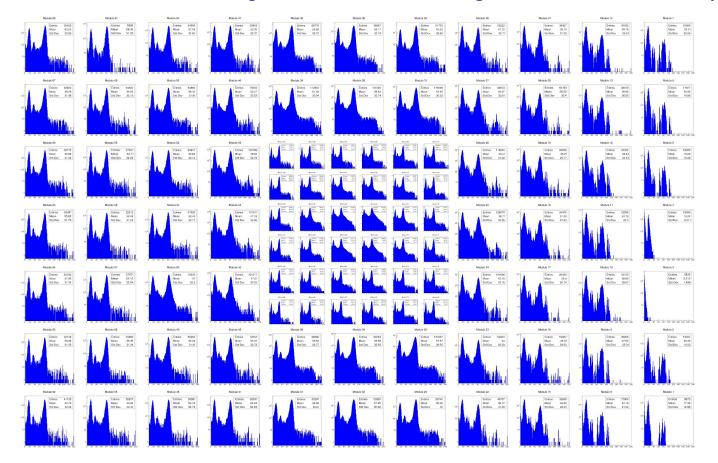
Comparison of BC1, BC2 signals with ZDC and dE/dx counter on ArAl data

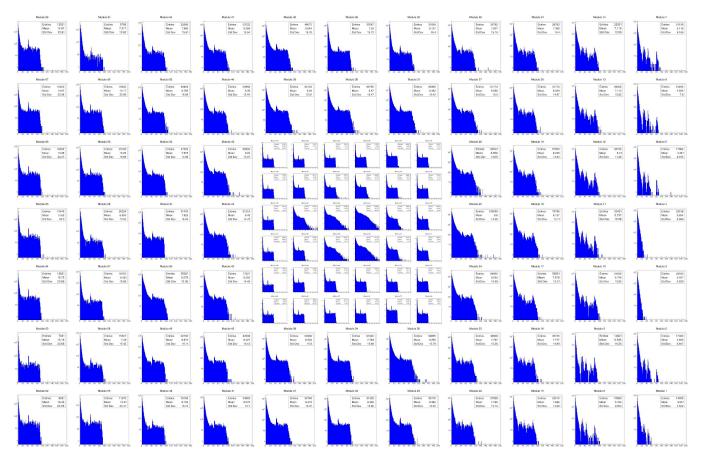
(Runs: 4649, 3842, 3843, 3847, 3850)



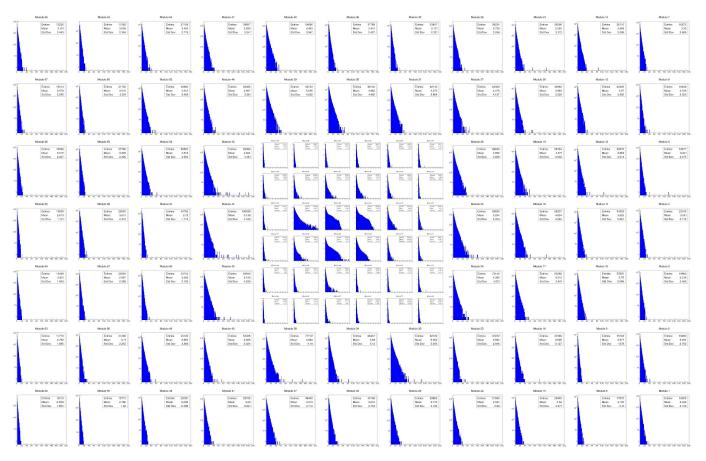
20.02.0/3590-4707_BMN_Argon/bmn_run4649_digi.root ZDC modules spectra



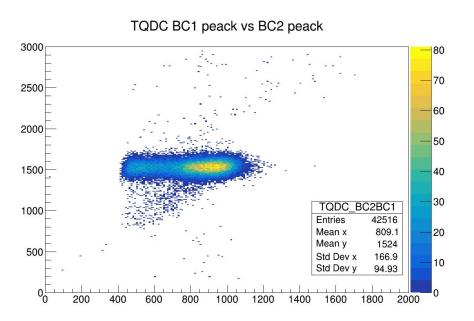
19.05.0/bmn/bmn_run4649_digi.root ZDC modules spectra

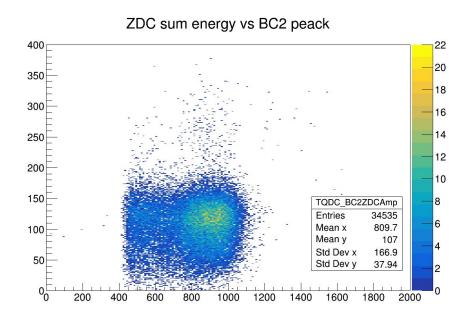


19.05.0/bmn/bmn_run3842_digi.root ZDC modules spectra



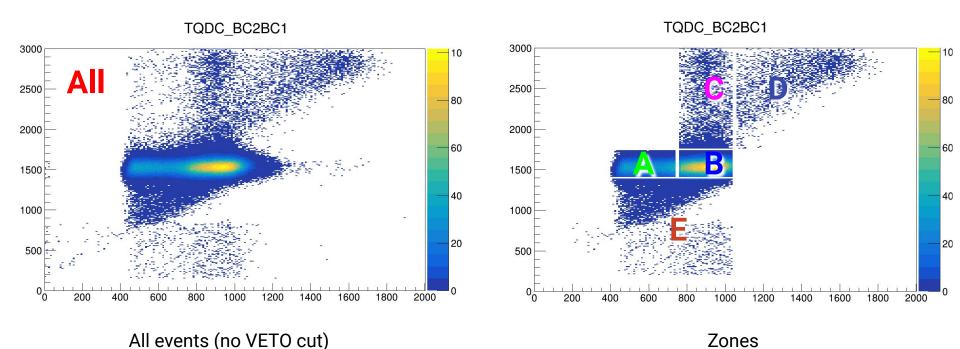
Run 3842
TQDC and ZDC data was taken from different dirs and matched by **event id**



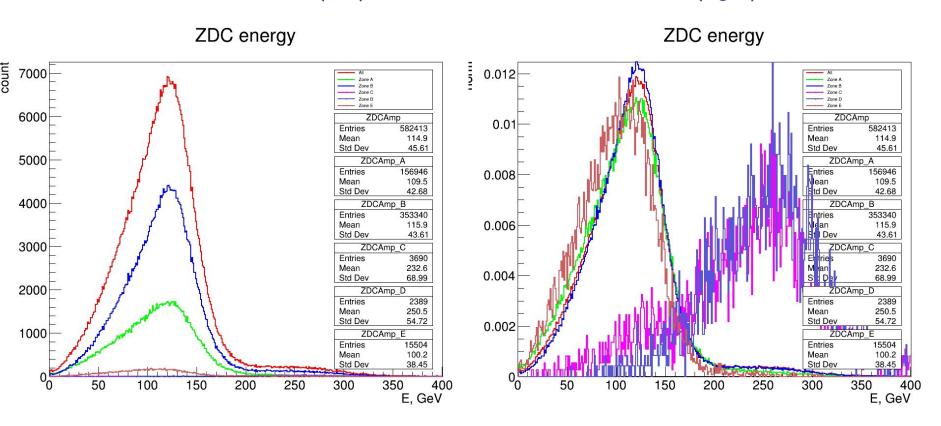


VETO events removed

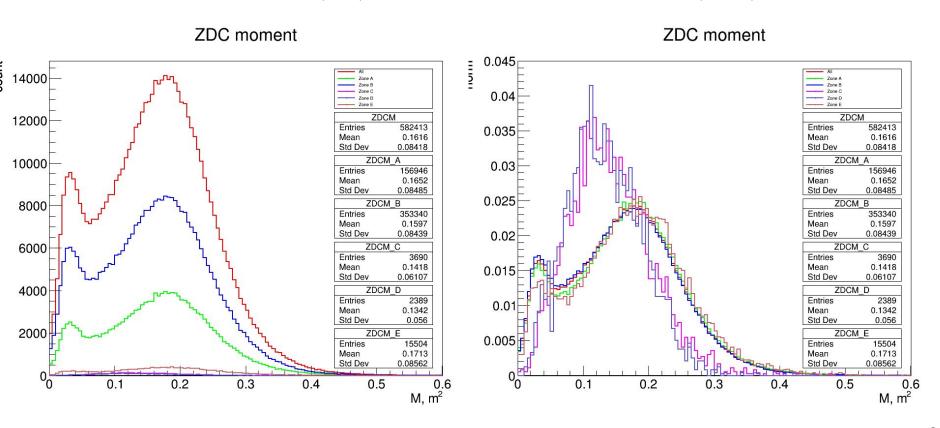
Run 3842, 3843, 3847, 3850 TQDC and ZDC data was taken from different dirs and matched by **event id**



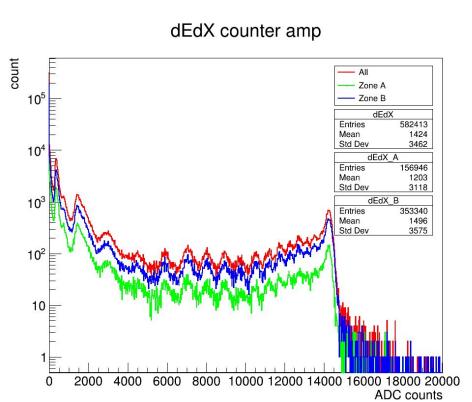
Run 3842, 3843, 3847, 3850 ZDC Energy not scaled (left) and scaled on entries number (right)



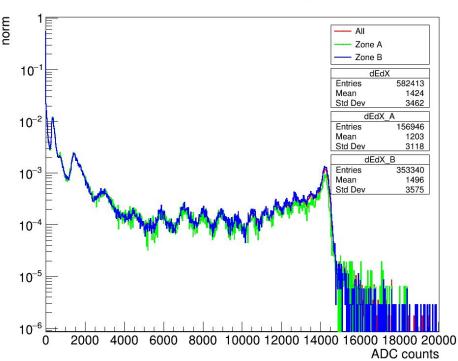
Run 3842, 3843, 3847, 3850 ZDC moment not scaled (left) and scaled on entries number (right)



Run 3842, 3843, 3847, 3850 dE/dX-counter not scaled (left) and scaled on entries number (right)



dEdX counter amp



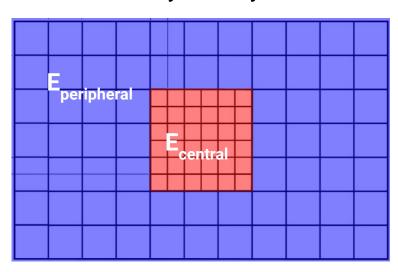
Thanks for your attention



Cluster shape

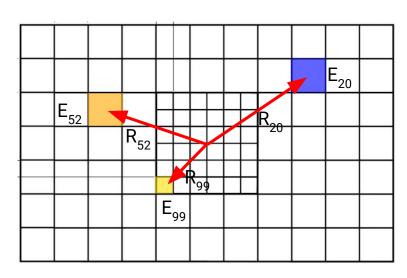


Asymmetry

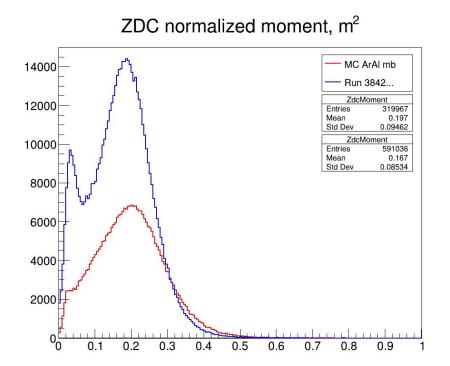


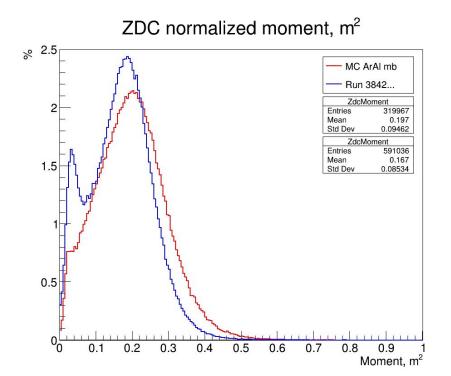
$$A=rac{E_{central}-E_{peripheral}}{E_{central}+E_{peripheral}}$$

Normalized moment

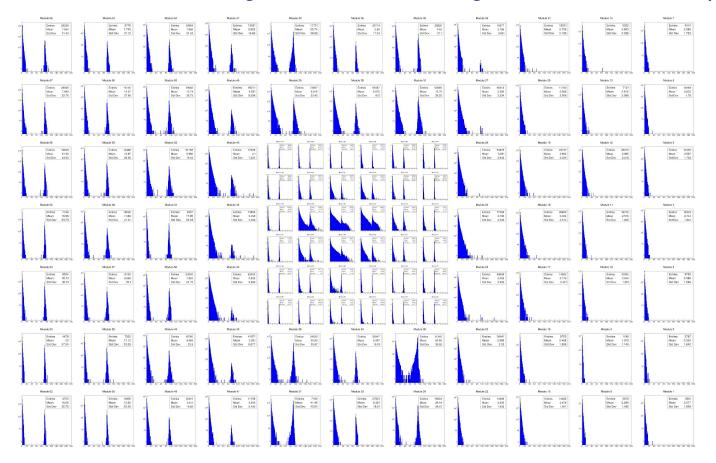


$$M_{norm} = rac{\Sigma(E_i imes R_i^2)}{\Sigma E_i}$$

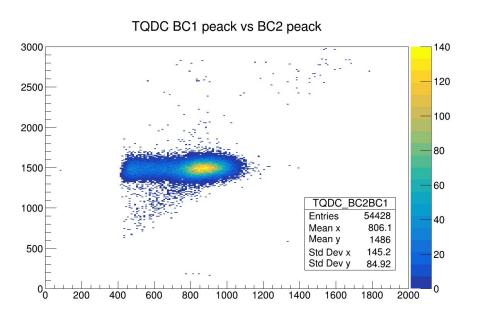


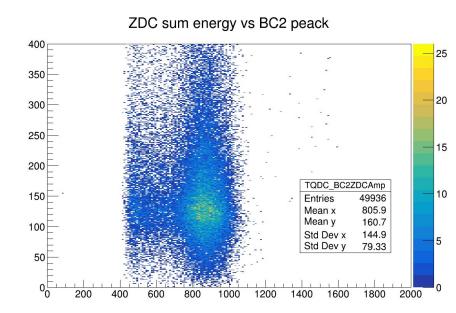


20.02.0/3590-4707_BMN_Argon/bmn_run3842_digi.root ZDC modules spectra



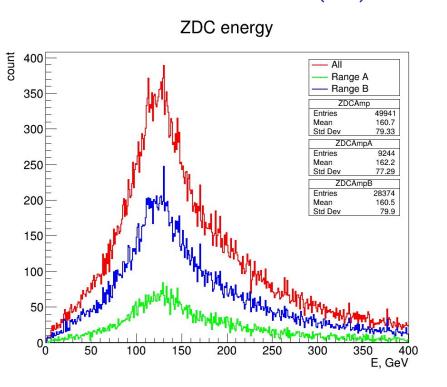
Run 4649
TQDC and ZDC data was taken from different dirs and matched by **event id**

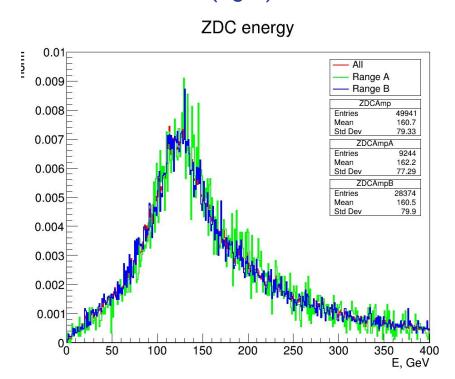




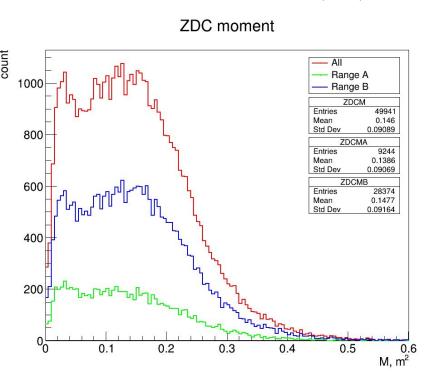
VETO events removed

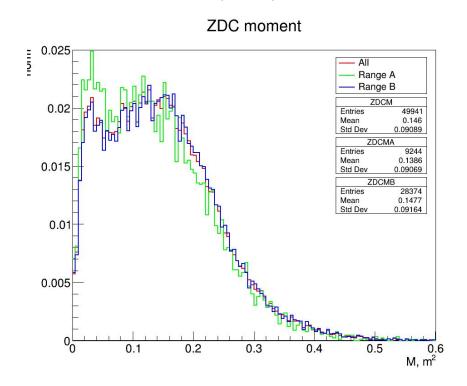
Run 4649 ZDC energy not scaled (left) and scaled on entries number (right)



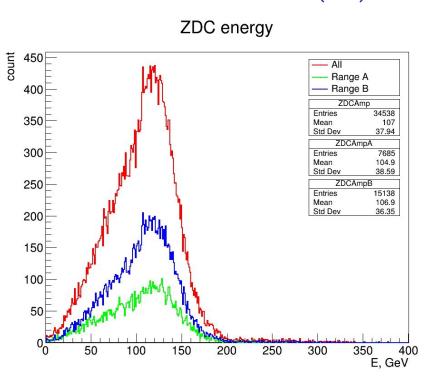


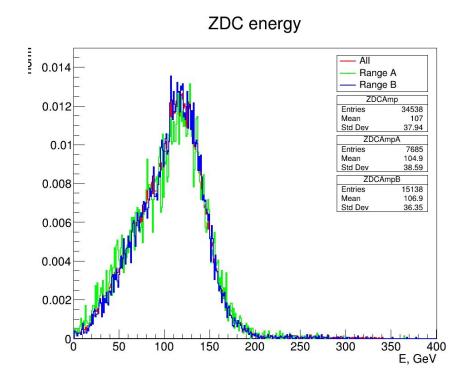
Run 4649 ZDC moment not scaled (left) and scaled on entries number (right)





Run 3842 ZDC energy not scaled (left) and scaled on entries number (right)





Run 3842 ZDC moment not scaled (left) and scaled on entries number (right)

