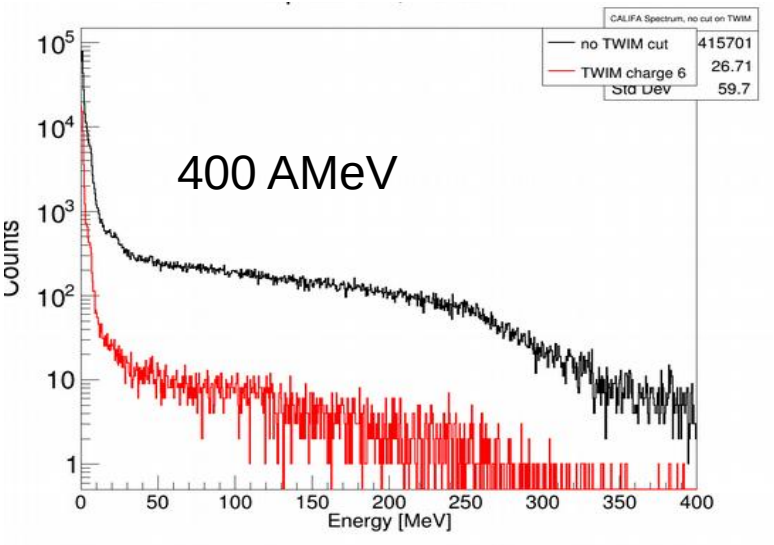
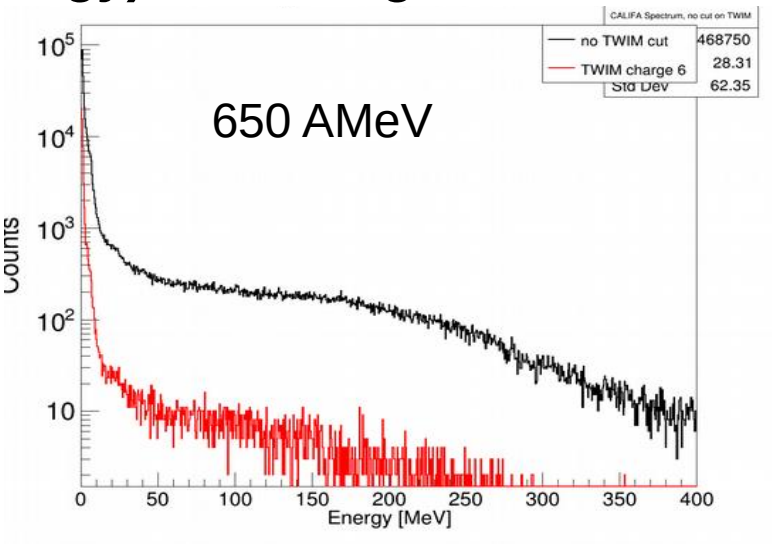
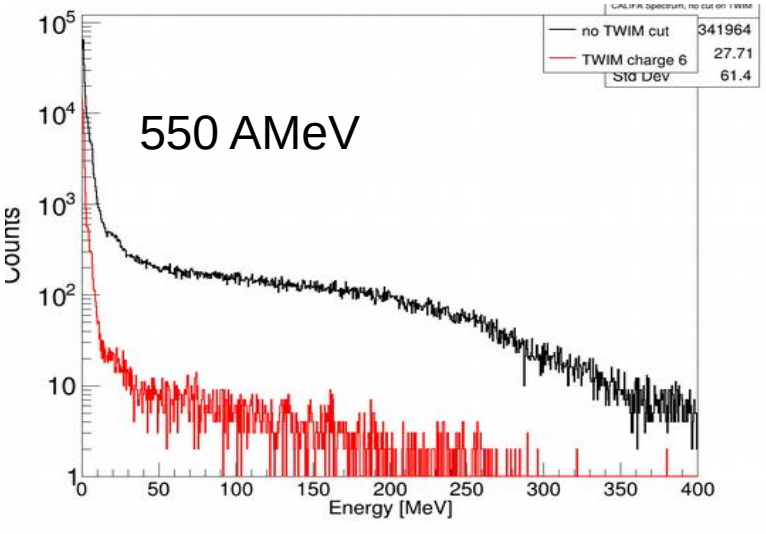
S444 experiment – update 3

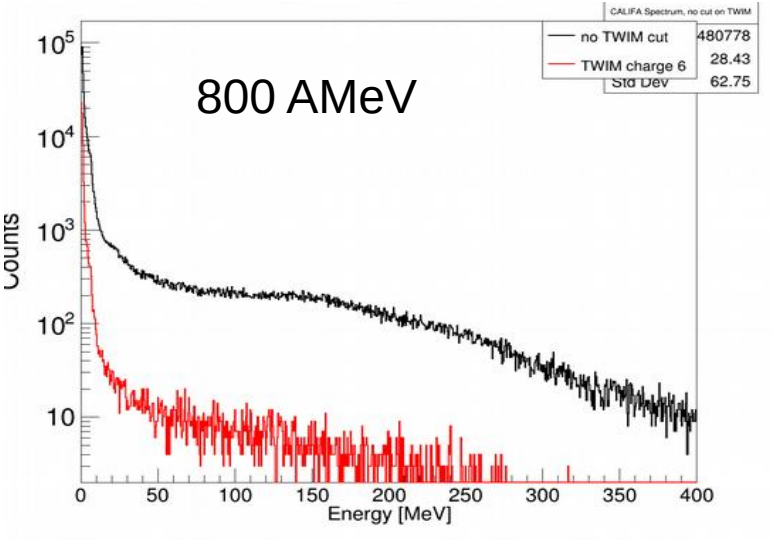
03.09.2024

Look at CALIFA (high energy) hits – target runs

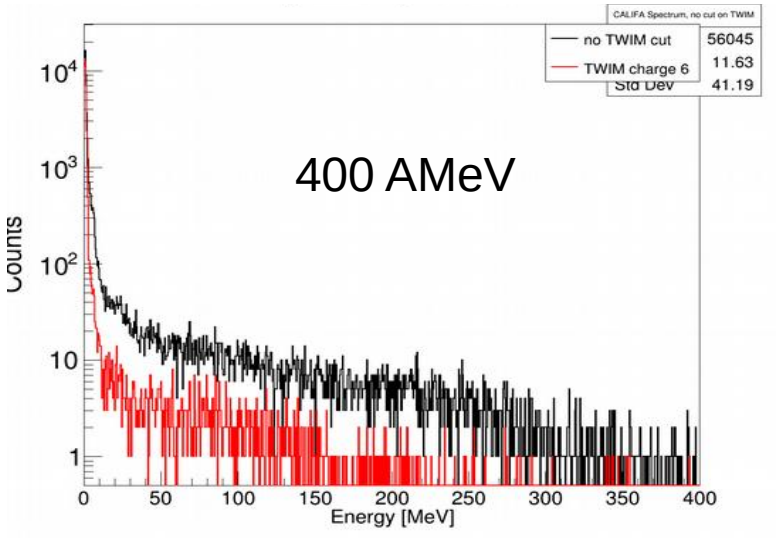


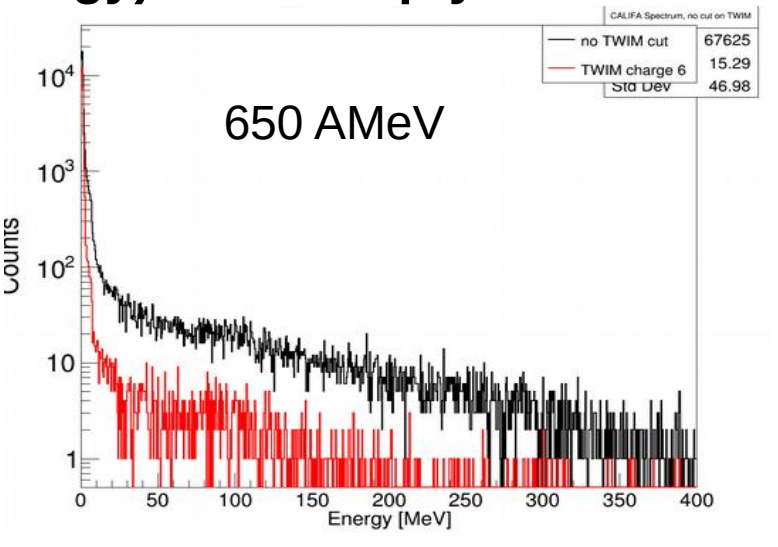


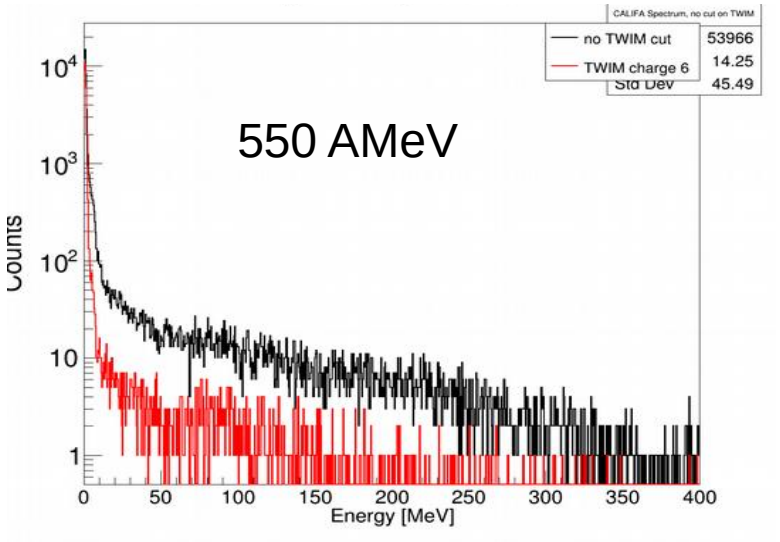


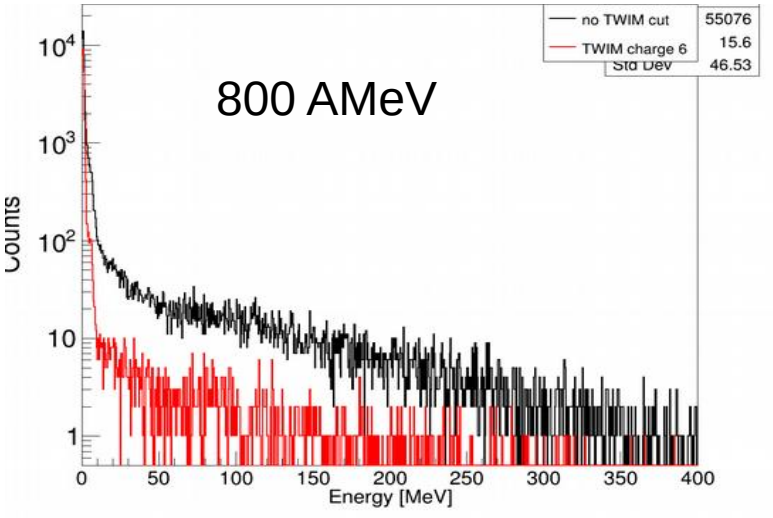


Look at CALIFA (high energy) hits – empty runs

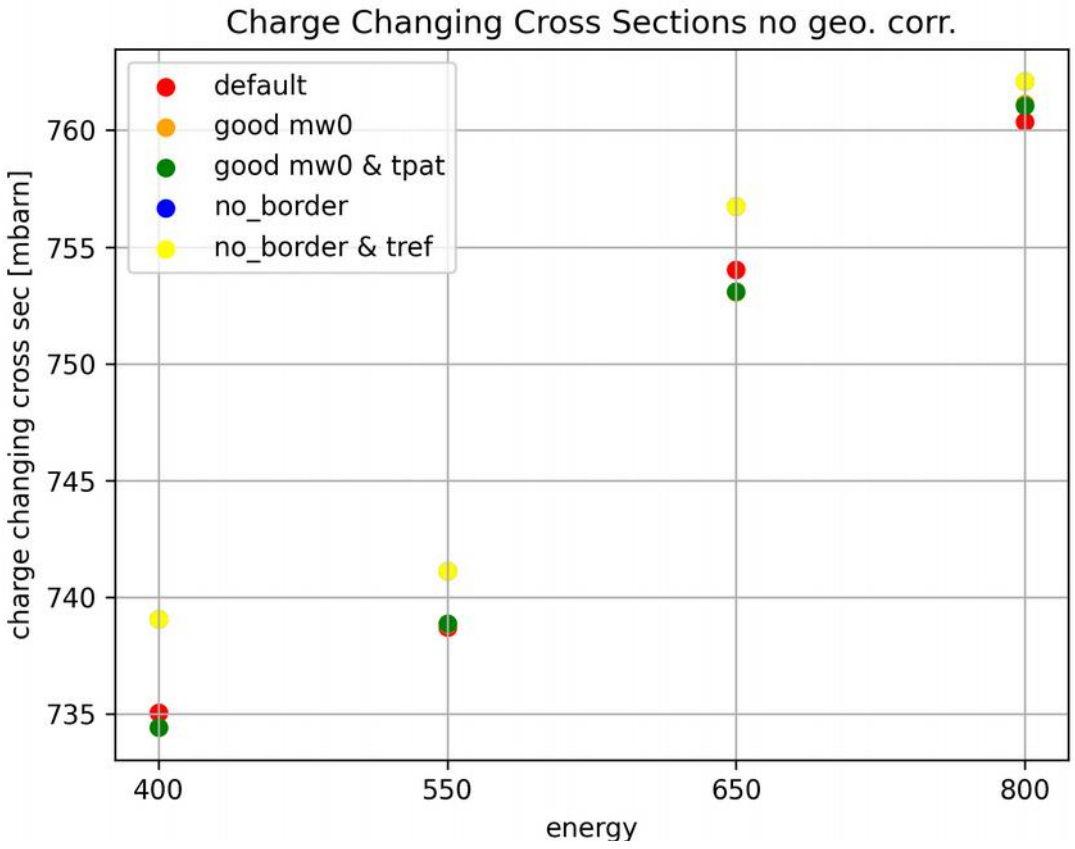


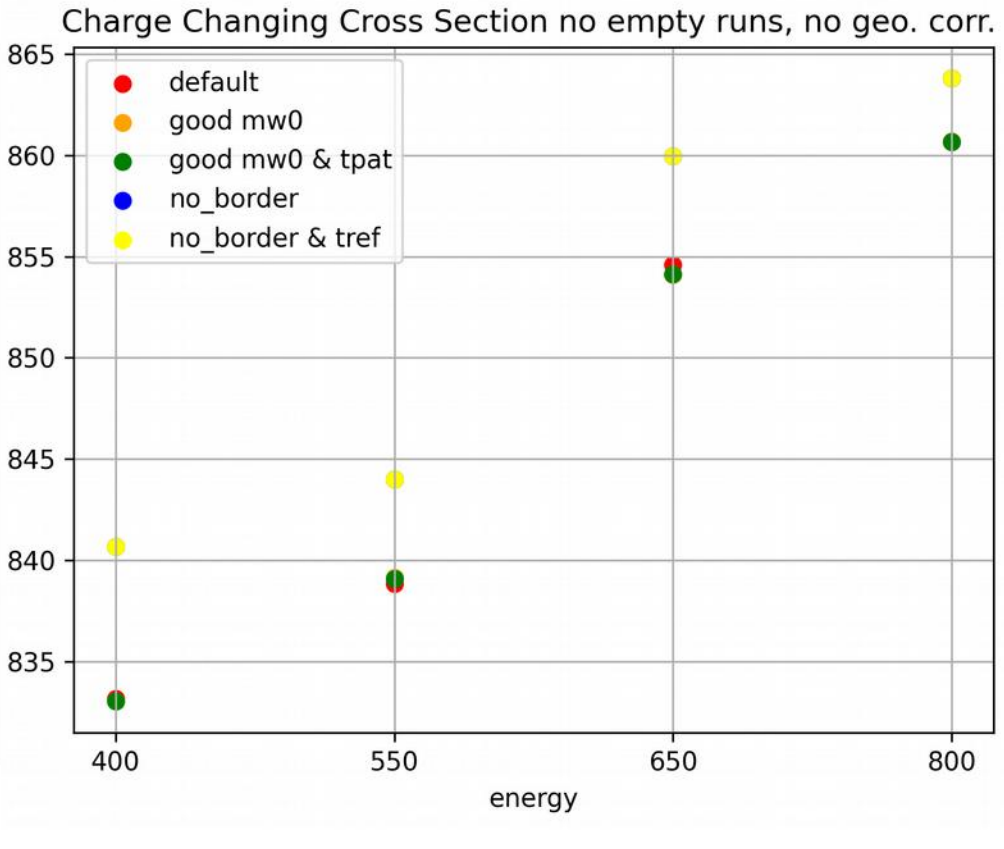




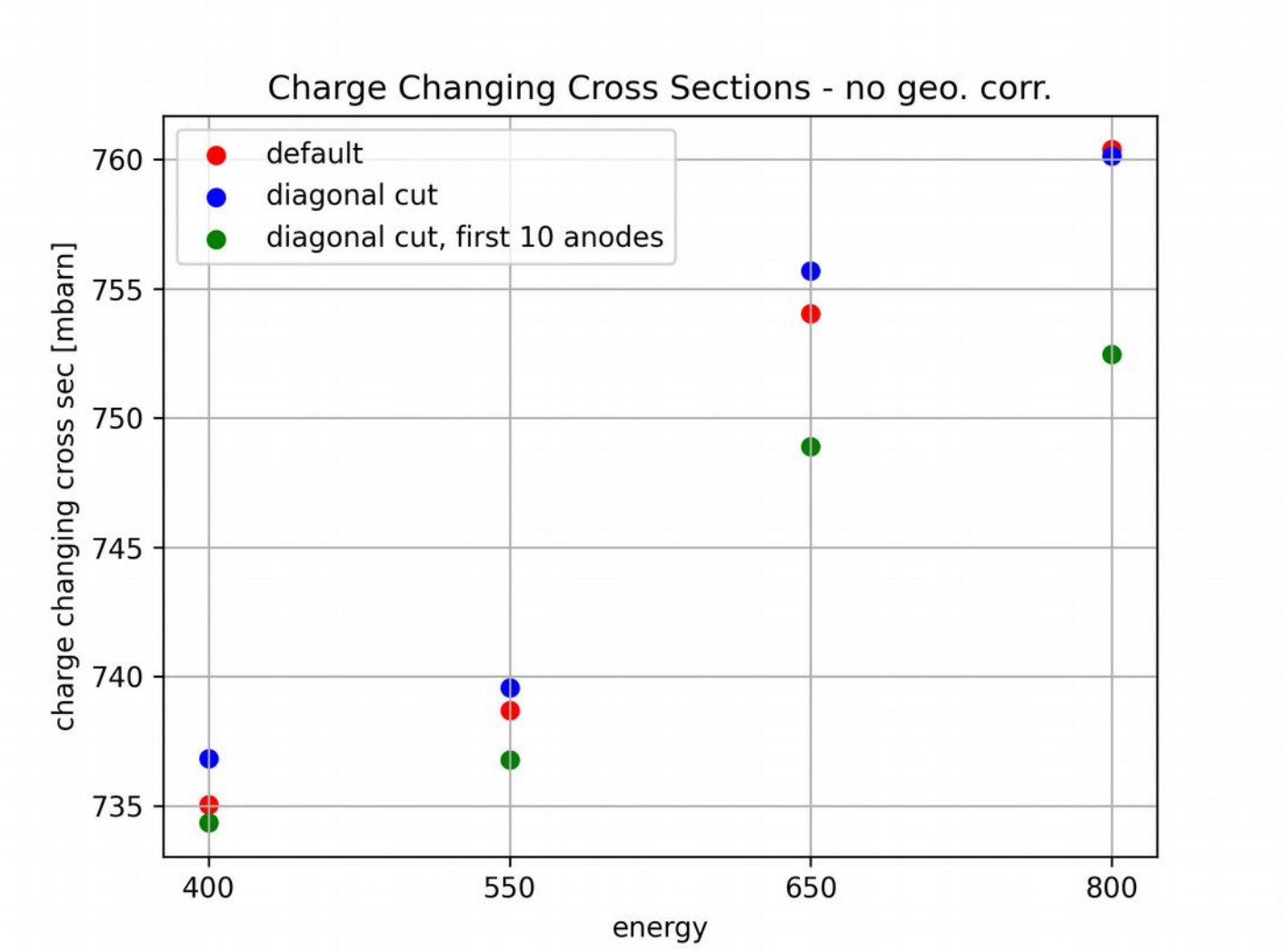


Cross Sections without empty runs



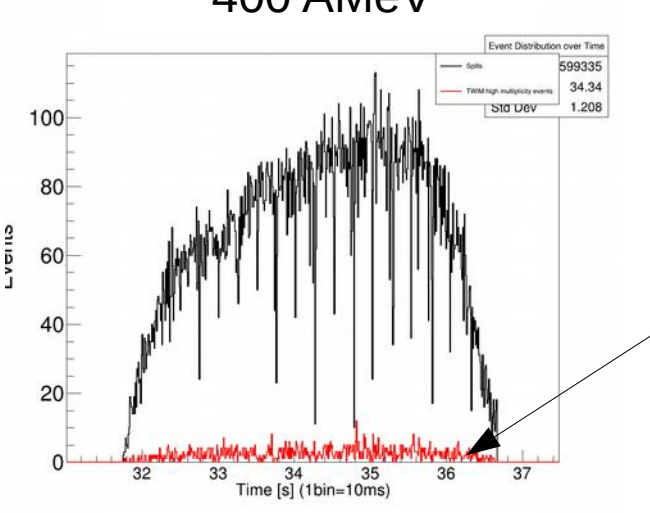


Charge changing cross section using only first 10 TWIM Anodes



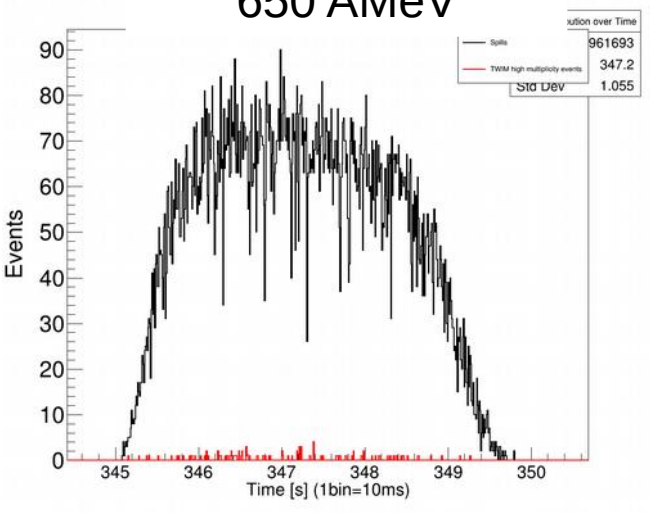
Spill structure vs TWIM multihit events – target runs

400 AMeV

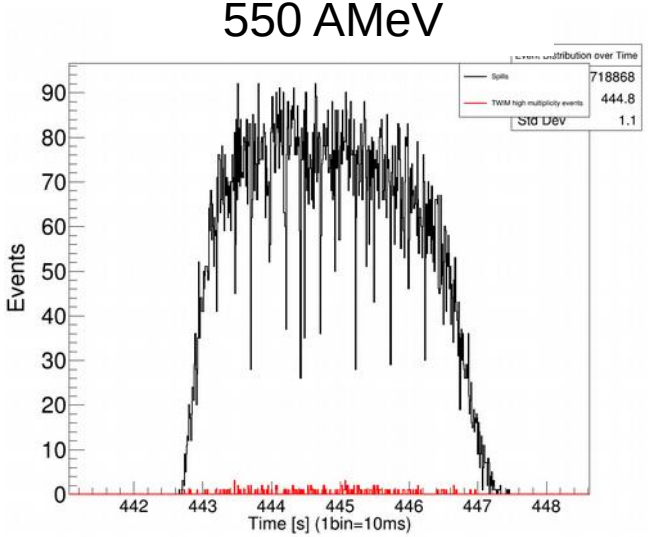


#events with high mult. in TWIM

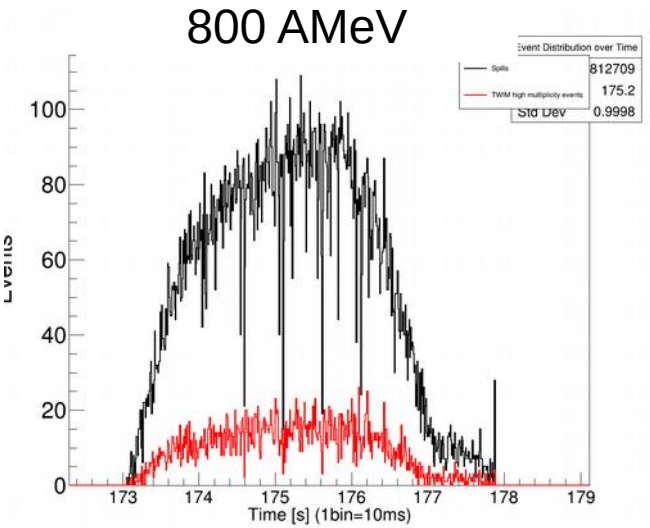
650 AMeV



550 AMeV

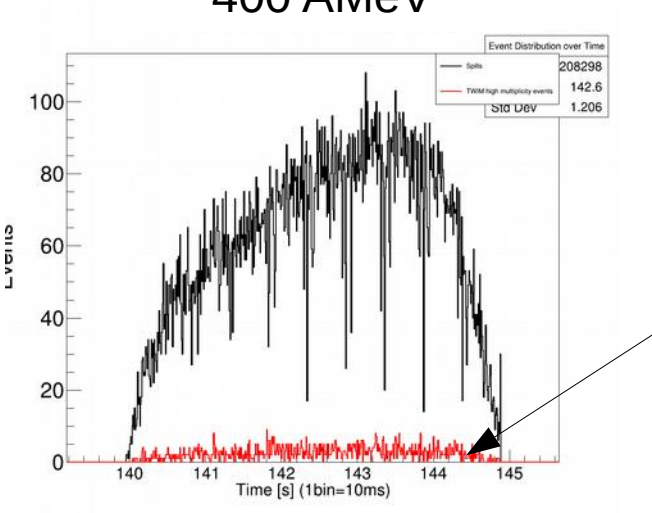


800 AMeV



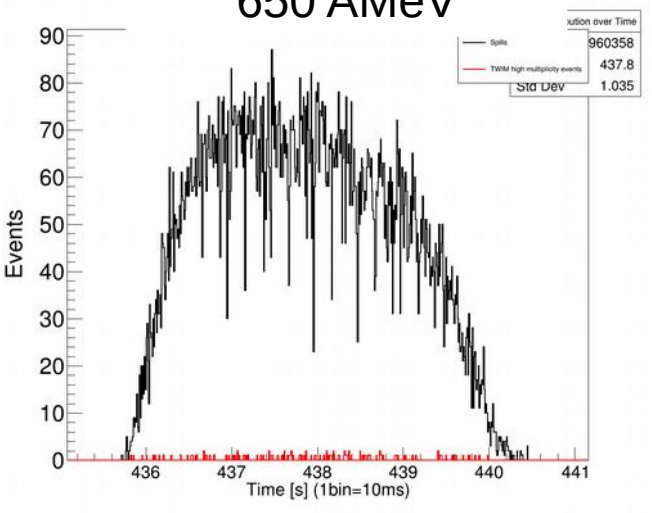
Spill structure vs TWIM multihit events – empty runs

400 AMeV

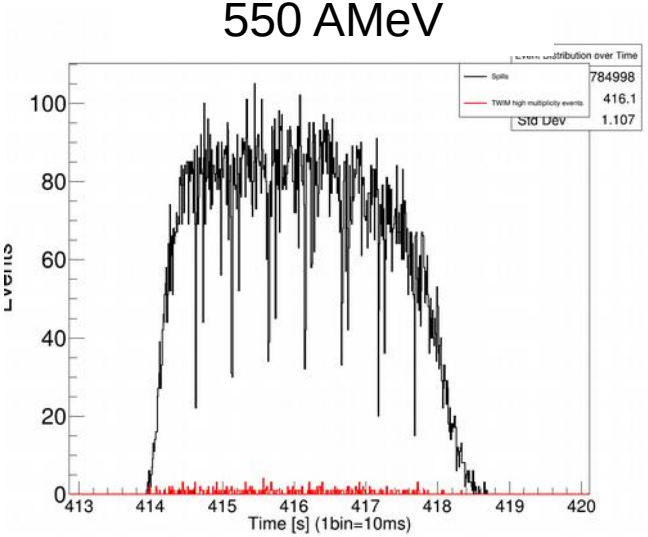


#events with high mult. in TWIM

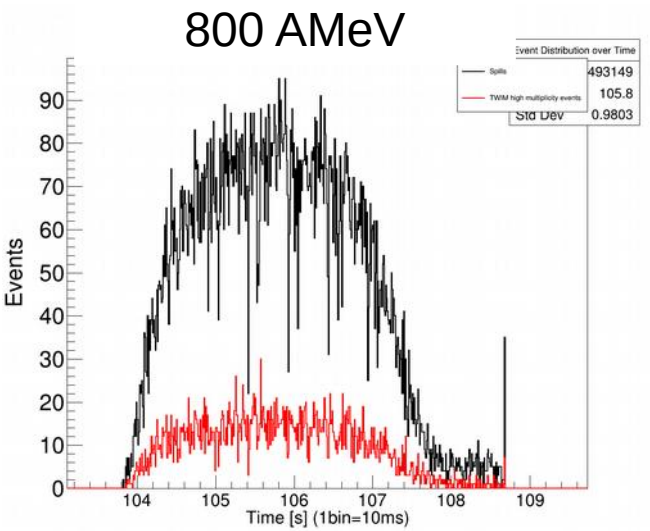
650 AMeV



550 AMeV



800 AMeV



Do we have other 800 AMeV runs?

NO!

We started with 400 AMeV, went up to 800 AMeV (last run was on the 17.02.2020 at 22:10). Next day(18.02.2020 at 6:20) we started again at 400 AMeV. There several tests runs were done with fixed beam energy of 400 AMeV.

Backup

Does the TWIM Multiplicity depend on the x-MW2 position ?