

50 V Operation Effect of Beam Test 2021

Threshold Effect

MIP = 75.667 [ch]

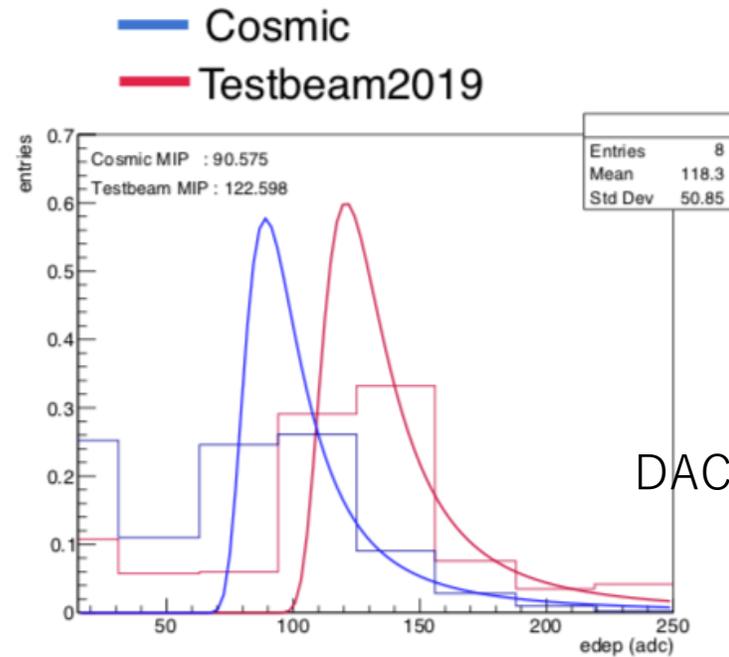
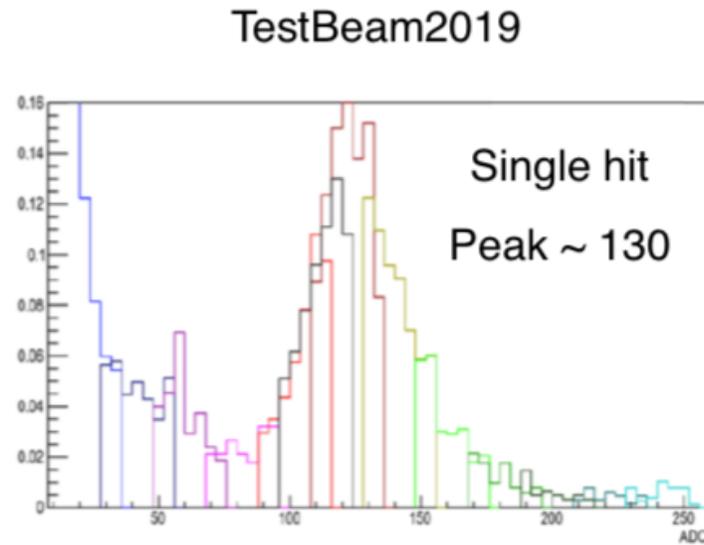
Sigma = 16.9 [ch]

DAC0 Threshold=15 [ch]

MIP-DAC0 ~ 75 - 15 = 60 [ch]

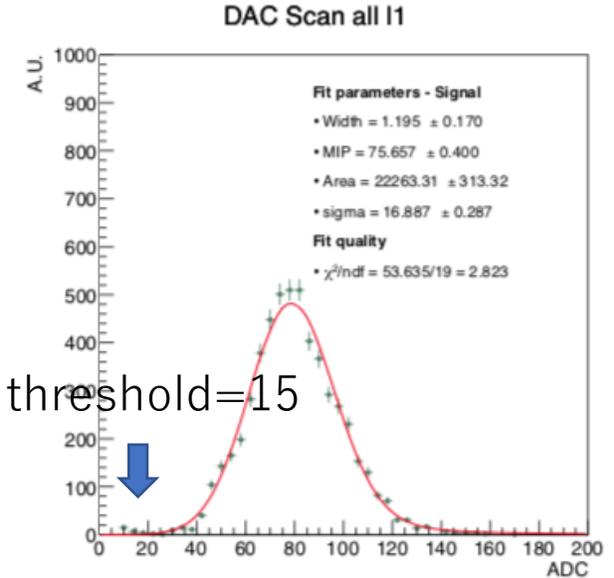
(MIP-DAC0)/Sigma = 60/16.9 ~ 3.5 sigma

Should accommodate > 99.999% MIP



Cosmic MPV : 90.58

Testbeam : 122.598



Bias voltage : 50V

MPV : 75.7