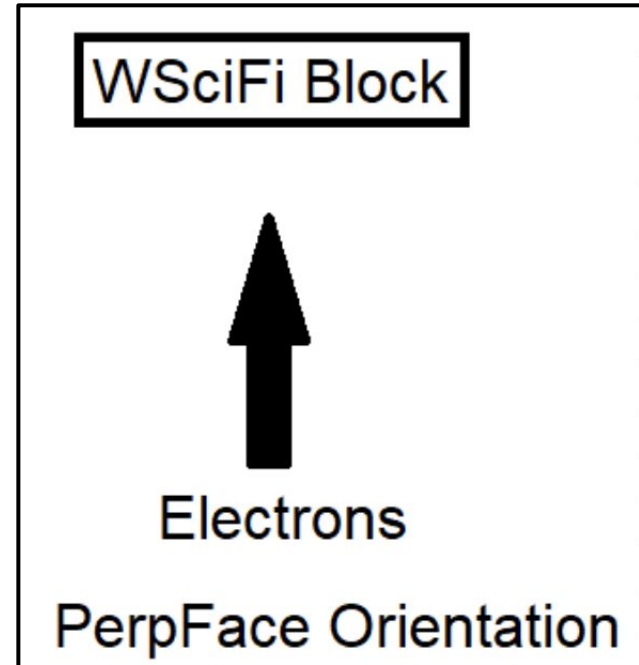


Mainz [July/25] PSCAL Prototype Testing Data Analysis

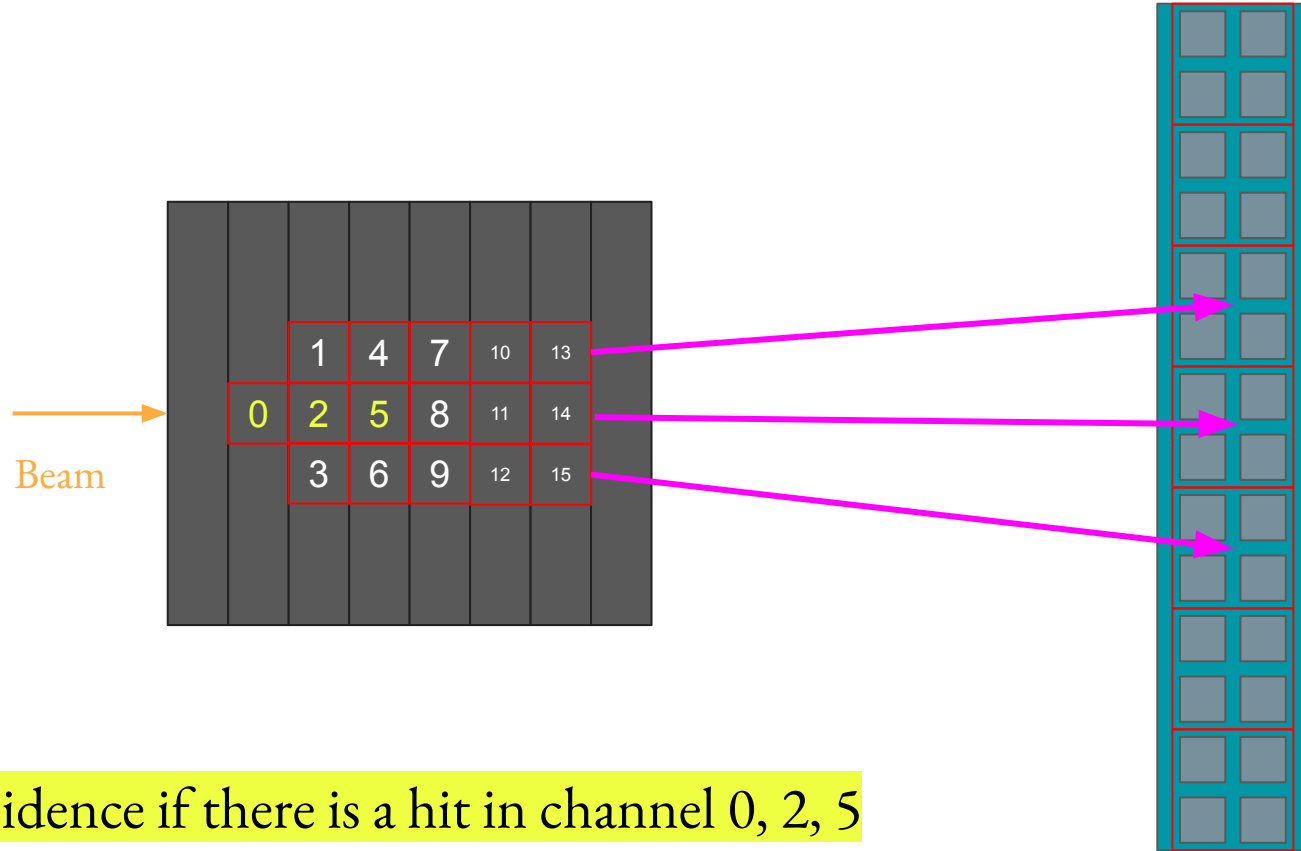
Aranya Giri

Data Details

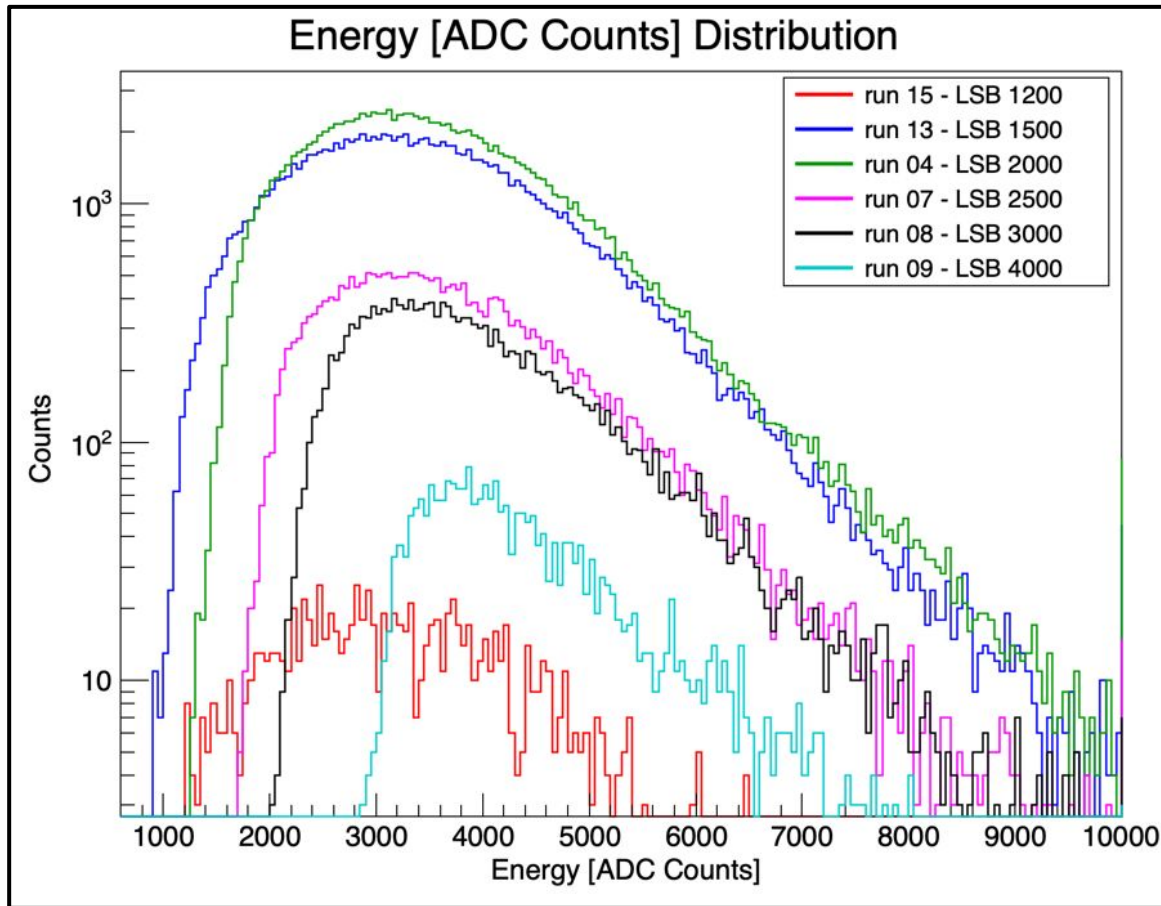
1. Run 1, (4, 7, 8, 9, 13 : Has different lsb threshold)
2. PerpFace - Module perpendicular to beam
3. Location - Tagger 18
4. Beam Current - 5 nA
5. Readout - SiPM of 50 μm microcells
6. SiPM offset voltage - 58.4 V
7. Algorithm: [PSCAL_TestBeamAnalysis](#)



Orientation Details

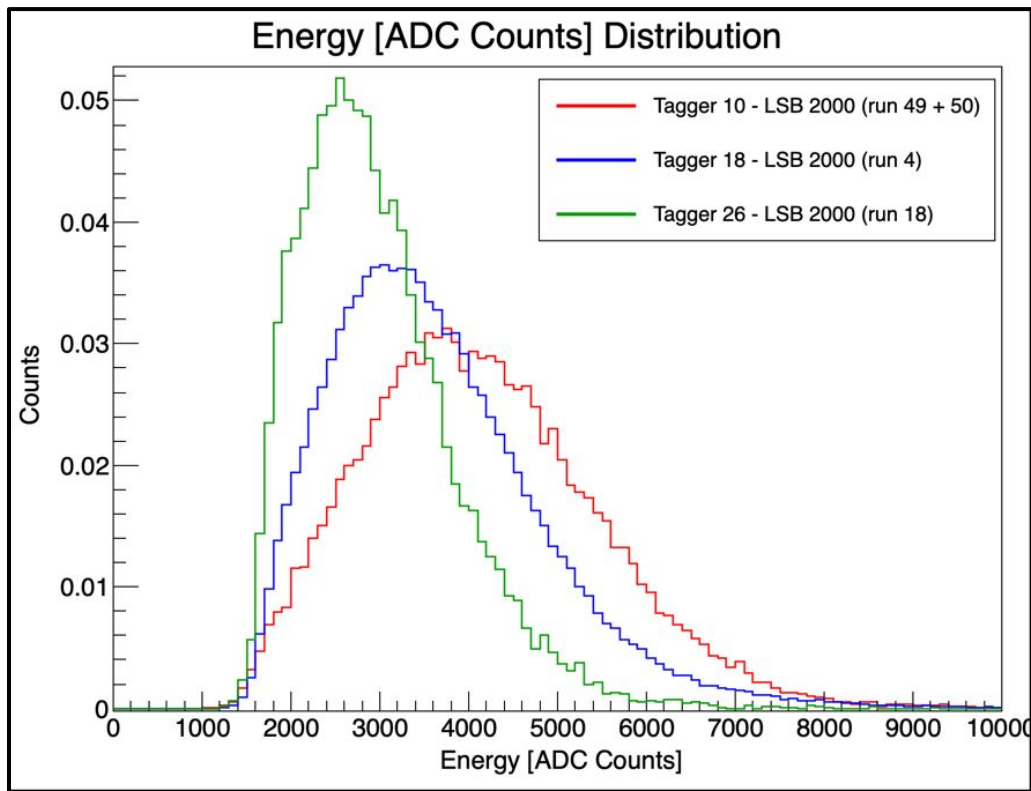


Energy Distribution for increasing LSB Threshold



- The peak appears at the same location

Energy Distribution for different tagger location (keeping rest same)



Tag. Loc - Rec Eng. (ADC) - Gen Eng. (MeV) - ADC/MeV

Tag 10	4123	545 - 563.5 MeV	7.44
Tag 18	3615	410 - 425 MeV	8.65
Tag 26	2956	288.5 - 300.5 MeV	10.03