DarkSide-50 Status

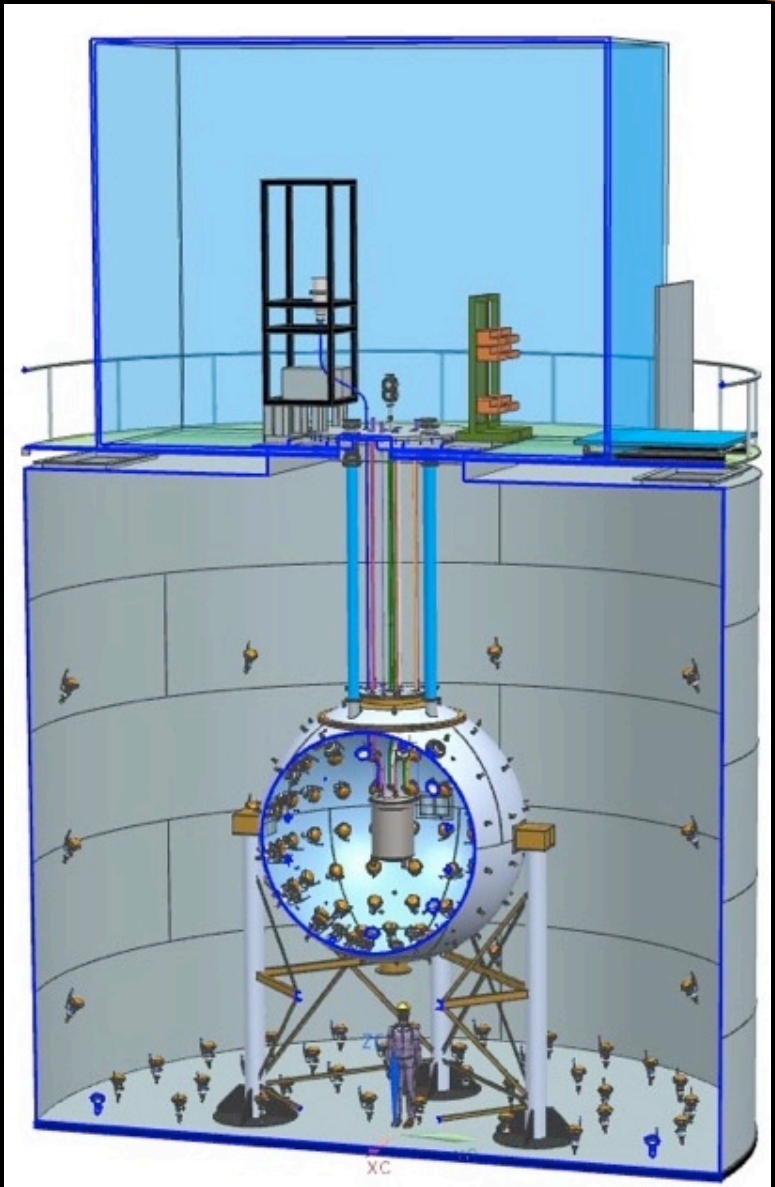
Detectors Operating – 275 kg x day

High Statistics study of ^{39}Ar rejection (equivalent to 3 yr DS-50 run)
> 3 x 10^7 events analysed

Reconstruction on Fermigrid

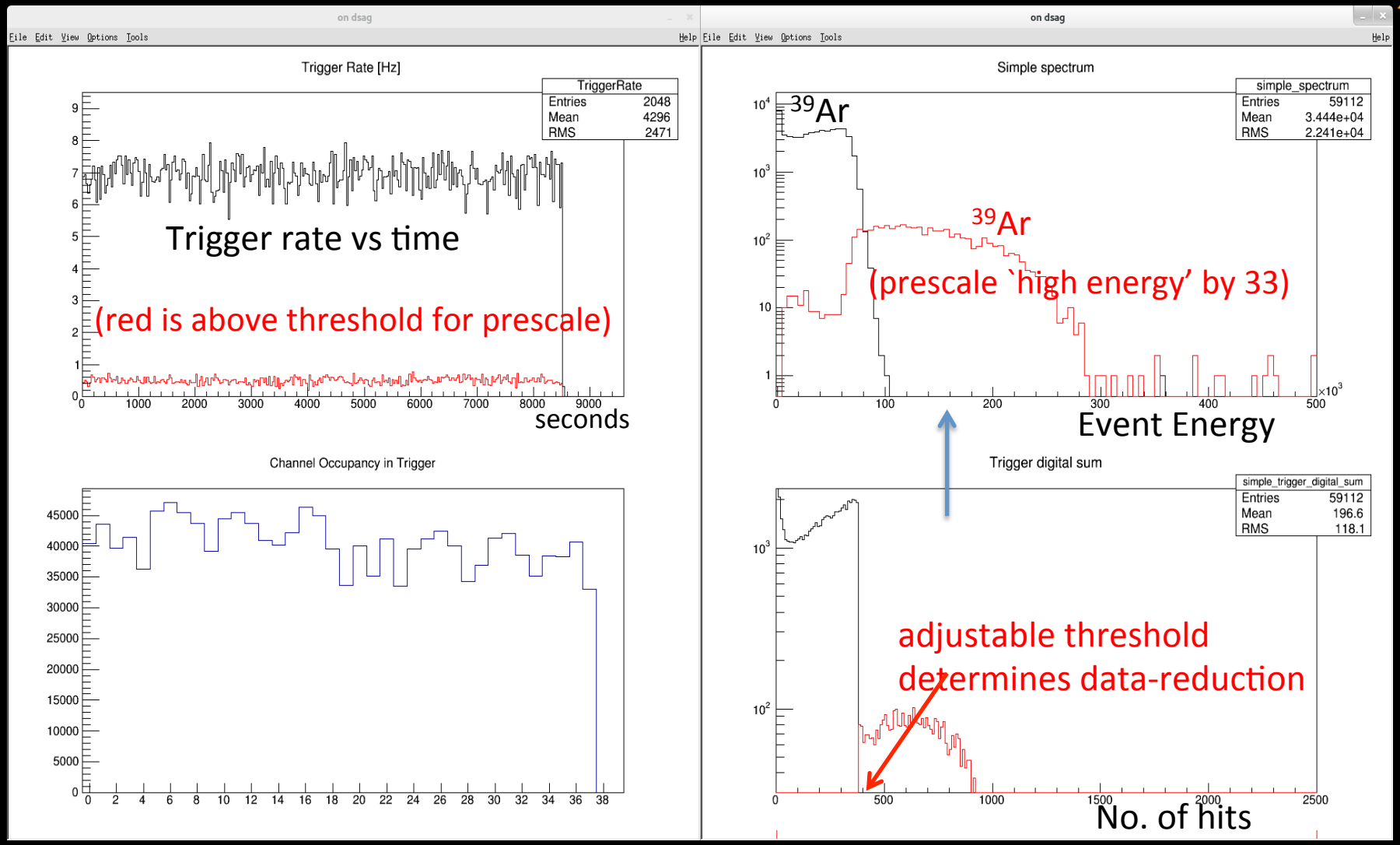
Smart Trigger implemented.
Prescales `high energy' events based on number of individual pulses from PMTs in S1 window. (7 TB/day ➡ ~2 TB/day)
(B. Baldin, PPD – EED)

135 TB transferred to FNAL



Smart –trigger: from the Online Monitor

Trigger rate dominated by ^{39}Ar decays



prescale high energy ^{39}Ar events (too high for WIMP candidates) by counting hits in S1 window