DarkSide-50 Status

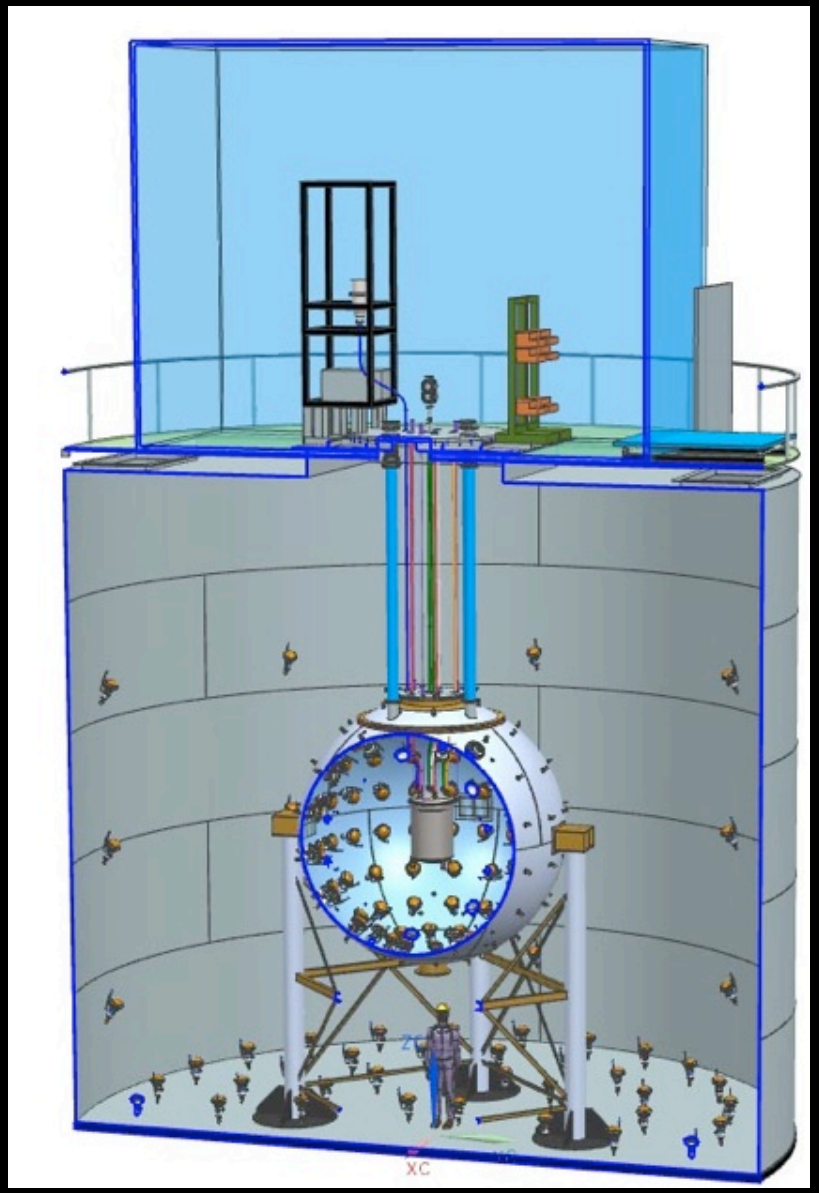
Detector Fully Commissioned

High Statistics studies of 39Ar rejection in progress (equivalent to full 3 yr DS-50 run)

DAQ in impressive shape

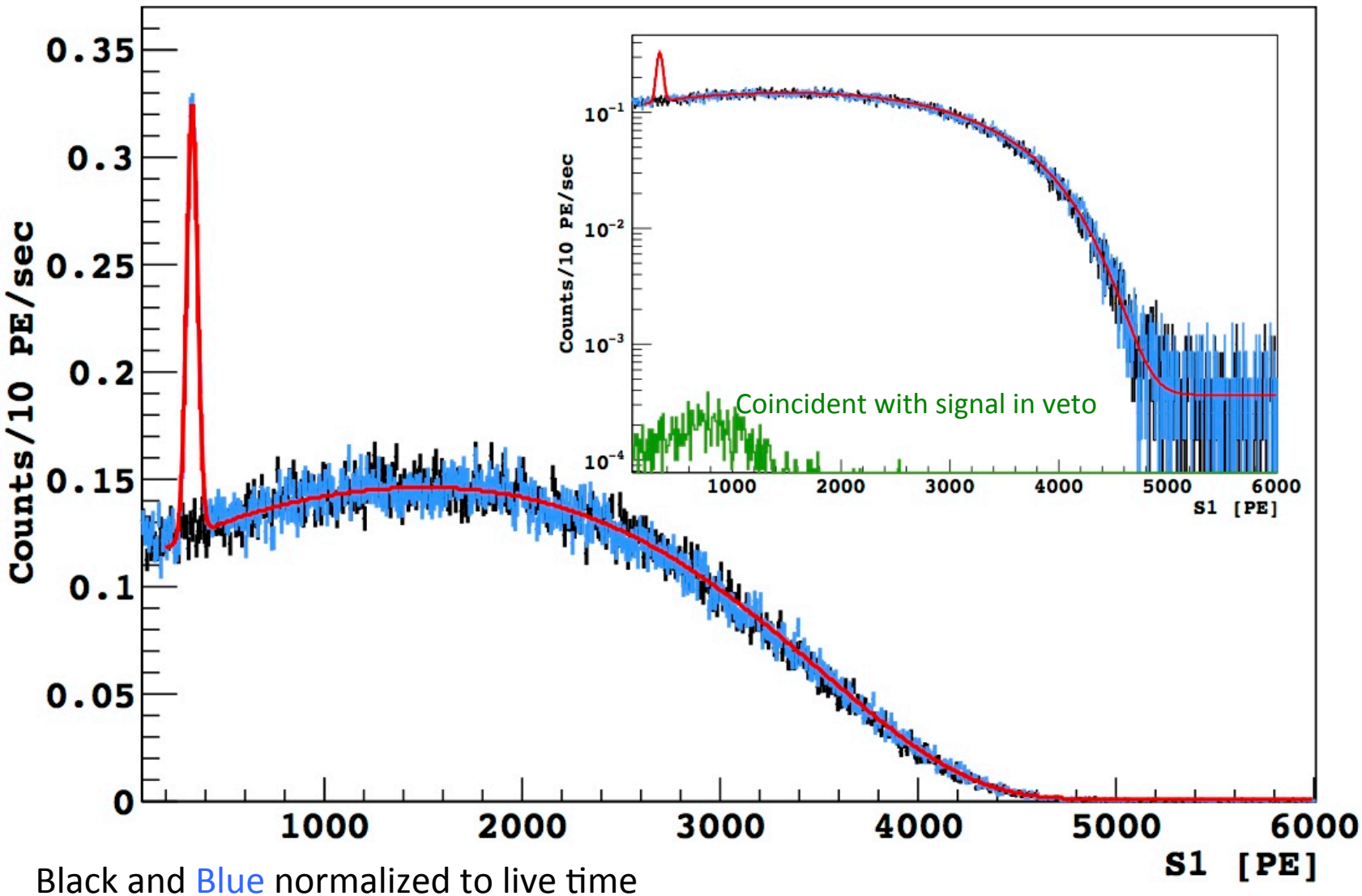
56 TB data transferred from Italy to FNAL

Reconstruction on Fermigrid



Pulse size distribution from runs with (and without) krypton diffused inside argon

black – 39Ar; blue – 39Ar + 83Kr; red – fit to 39Ar (known spectrum) + 83Kr



Black and Blue normalized to live time