

# dRICH Threshold Settings

dRICH should work at **Single Photon Level**

Readout is sensitive to the dark coun rate increasing with radiation damage

Data rate is limited at DAM level by minimum-bias tagger and high-level data filter

The maximum rate per channel is driven by the maximum acceptable dark count rate and is set to 300 kHz, corresponding to 10 background hits per sector per event in a  $\sim 1$  ns time window

