

# Ckov Reconstruction

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- Unfortunately, I could not attend the meeting today. This is a summary of the Ckov reconstruction status in 2 slides..

# Status (I)

- Pass 1: Pedestal calculation. Working
- Pass 2: Nothing to be done
- Pass 3: Extrapolate tracks to Ckov
  - More or less working in last pass3 pass, however resulting DSTs not useful due to simple bug.
  - Working from the current full pass3 output to prepare for next pass3 (painful but can be done)
    - Track extrapolation to Ckov mirror plane looks to be working. One iteration of looking at geometry complete
    - Almost all channels working for both ADC and TDC

# Status (II)

- Plan for next pass3
  - Use first pass gain (offline process) and channel status calibration to compute fully corrected  $N(\text{photon})$  per pathlength.
  - Augment DST to ease subsequent analysis to finalize gain calibration.
- We will need the pass3 output (DSTs) to complete the final calibration and to compute ‘likelihood’ or other high level variable.
  - Kshort sample from Nick looks promising, but need new DST pass to utilize fully.
  - Final DST -> DST pass to include this info for broader analysis?