

Interaction Tagger Workfest

An interaction tagger is essentially a method to select relevant beam bunch crossing

General resource for possible streaming benchmarks and unnecessary data-rate suppression

dRICH DAQ model counts on a tagger to suppress unwanted SiPM dark-count data stream (relevant case)

Two synergetic but not necessary equal goals:

- an min-bias tagger with selected information exchange between sub-systems
(ultimately physics driven with potential biases violating the streaming concept)

- a basic agnostic particle tagger part of the same sub-system readout
(to be treated as e.g. a LED/laser calibration system)

Workfest as an open mind brain-storming on viable options and possible steps for implementation

Forward TOF

Conflict with the AC-LGAD TOF workfest and knowledgeable people not available at this time

General concern for a high-level information exchange is

- the extreme large number of channels (~6 M)
- the level of dark signals requiring shape analysis or clustering to be identified

Plan: have a dedicated meeting in a couple of weeks from now