DQM CDC

- ◆ no case where we check CDC DQM and stop run immediately. for now

- ◆ CR shifts see the TDC distributions and confirm if T0 is reasonable or not.
  - · SVD is more sensitive to change of latency than CDC.

- ◆ If dead-time mitigation idea is implemented, DQM should be used to check degradation of the CDC performance.
  - · DAQ running with several soft-errored FEs.
  - · # of problematic FEs is counted in ElastAlert.

MiraBelle

- ◆ dEdx plots helped us to find the gain drop in 2022ab.

- ◆ We will add monitored parameters to check performance

- ◆ gain

CDC gain estimators in cosmic runs

- ◆ CDC

dated. "Medians" will be added.

- · L-m

- · R-

- · M

- Use only hits attached to tracks
- Reconstruct with no offline ADC cut against cross talk

R-mean

90% events around median

50% 50%   50% 50%

Median   Median

ADC vs time

Exp = 3 Run = 149 date=2018-04-26

mean 104.0
median 78.0
R-mean 85.3
L-median 78.6

Exp = 7 Run = 3472 date=2019-04-29

mean 88.1
median 67.0
R-mean 72.0
L-median 67.0

×10⁴ Exp = 8 Run