Command:

Date Range: February 1 to March 1

macros/cis/CIS\_DB\_Update.py --date 'February 1, 2022' 'March 1, 2022' |&tee FebCIS.txt

Runs:

run [410258, 'CIS', '2022-02-03 09:23:14,2022-02-03 09:24:29']

run [410544, 'CIS', '2022-02-08 10:31:34,2022-02-08 10:33:13']

run [410878, 'CIS', '2022-02-10 17:32:39,2022-02-10 17:34:09']

run [411022, 'CIS', '2022-02-11 20:21:38,2022-02-11 20:22:57']

run [411075, 'CIS', '2022-02-14 16:30:26,2022-02-14 16:31:47']

run [411839, 'CIS', '2022-02-21 11:05:33,2022-02-21 11:06:56']

run [411976, 'CIS', '2022-02-22 11:41:27,2022-02-22 11:42:52']

run [412108, 'CIS', '2022-02-23 09:53:32,2022-02-23 09:55:09']

run [412210, 'CIS', '2022-02-23 15:24:47,2022-02-23 15:26:03']

run [412416, 'CIS', '2022-02-25 12:06:31,2022-02-25 12:08:15']

run [412439, 'CIS', '2022-02-25 13:14:02,2022-02-25 13:15:24']

run [412491, 'CIS', '2022-02-25 15:54:18,2022-02-25 15:56:01']

run [412637, 'CIS', '2022-02-28 13:29:27,2022-02-28 13:31:14']

—> only included in some parts of LBA. why?

CORRECTED RUN LIST:

410258 410544 410878 411022 411075 412210 412416 412439 412491 412637

macros/cis/CIS\_DB\_Update.py --date 'February 1, 2022' 'March 1, 2022' --ldate 410258 410544 410878 411022 411075 412210 412416 412439 412491 412637

**LBA\_m02\_c10: no signal for runs 412637 and 411839 LG**

Runs on 2/25: I believe the first two are bad.

EBC: Run on 2/22, first on 2/23 seem bad. (411976, 412108)

LBA01: wtf

LBA: run on 2/22, first on 2/23, also 2/21 seem bad (411839, 411976, 412108)

411839, 411976, 412108 seem like outliers on most plots …

0,1,2,3 = LBA, LBC, EBA, EBC

411839: bad for LBA and EBA

LBA HG: bad amp/charge

LBA LG: Bad timing

EBA LG: Bad timing

LBA HG: Bad timing

EBA HG: Bad timing

411976: ALL BAD

amp/charge all good

LBA lg bad timing

LBC lg bad timing

EBA lg bad timing

EBC lg bad timing

LBA hg bad timing

LBC hg bad timing

EBA hg bad timing

EBC hg bad timing

412108: ALL BAD

LBA lg bad amp/charge

LBA lg bad timing

LBC lg bad timing

EBA lg bad timing

EBC lg bad timing

LBA hg bad timing

LBC hg bad timing

EBA hg bad timing

EBC hg bad timing

Dawit, Sus Runs List:

412210:

LBC hg bad timing

LBC lg bad timing

412637:

LBC lg bad timing

LBC hg bad timing

LBA 0 10 hg: timing looks weird but i guess it is over right range? Ask

Good Runs:

run [412491, 'CIS', '2022-02-25 15:54:18,2022-02-25 15:56:01']

run [412637, 'CIS', '2022-02-28 13:29:27,2022-02-28 13:31:14']

<https://indico.cern.ch/event/1107370/contributions/4758615/attachments/2398881/4102033/flags_in_COOL_DB_Feb28.pdf>

PPt for the flag checks

<https://indico.cern.ch/event/1107370/contributions/4750369/attachments/2398349/4101079/DQLReport_28022022.pdf>

DQ ppt with list to check

LBC59 (ch 26 HG) and EBC16 (ch 36 LG, ch 39 HG) are now well calibrated, modules

turned to green

unfortunately more modules show problems now

LBA35 ch 8 HG (Amp/Q now 1.4)

LBC47 ch 15 LG (Amp/Q now 1.2)

LBC57 ch 6 HG (Amp/Q now 1.5)

EBA61 ch 15 HG (Amp/Q now 0.93, maybe at threshold with original calib?)

EBA64 ch 3 HG (Amp/Q now 0.5)

EBC61 ch 8 LG (Amp/Q now 1.2)

why the calibration did not improve EBA50 ch 31 HG, EBC18 ch 36 HG?

EBA07 ch 31 LG overcalibrated now (Amp/Q 1.2 → 0.9)

CIS calibration must be double checked and updates discussed with DQ team

macros/cis/Public\_Super\_Macro.py --gcals --date 2022-02-01 2022-03-01 --datelabel 'February 1 - March 1, 2022' --mean --lowmem --rmsplots --flagplots

macros/cis/Public\_Super\_Macro.py --history -0.5 0.5 --date ‘February 1, 2022' 'March 1, 2022' --ndate 'February 1, 2021' 'March 1, 2021' --datelabel 'Feb. 2021 vs 2022'

Get plots for:

LBA 52 ch36 h/l

macros/cis/StudyFlag.py --date '28 days' --region 'LBA\_m13\_c32\_lowgain' 'LBC\_m57\_c06\_highgain' 'LBC\_m62\_c08\_highgain' 'LBC\_m36\_c00\_lowgain' 'LBC\_m36\_c03\_lowgain' 'LBC\_m36\_c05\_lowgain' 'LBC\_m36\_c06\_lowgain' 'LBC\_m36\_c07\_lowgain' 'LBC\_m36\_c08\_lowgain' 'LBC\_m36\_c09\_lowgain' 'LBC\_m36\_c10\_lowgain' 'LBC\_m36\_c11\_lowgain' 'LBC\_m36\_c12\_lowgain' 'LBC\_m36\_c13\_lowgain' 'LBC\_m36\_c14\_lowgain' 'LBC\_m36\_c15\_lowgain' 'LBC\_m36\_c16\_lowgain' 'LBC\_m36\_c17\_lowgain' 'LBC\_m36\_c18\_lowgain' 'LBC\_m36\_c20\_lowgain' 'LBC\_m36\_c21\_lowgain' 'LBC\_m36\_c22\_lowgain' 'LBC\_m36\_c23\_lowgain' 'LBC\_m36\_c24\_lowgain' 'LBC\_m36\_c26\_lowgain' 'LBC\_m36\_c27\_lowgain' 'LBC\_m36\_c28\_lowgain' 'LBC\_m36\_c29\_lowgain' 'LBC\_m36\_c32\_lowgain' 'LBC\_m36\_c33\_lowgain' 'LBC\_m36\_c34\_lowgain' 'LBC\_m36\_c38\_lowgain' 'LBC\_m36\_c39\_lowgain' 'LBC\_m36\_c40\_lowgain' 'LBC\_m36\_c41\_lowgain' 'LBC\_m36\_c42\_lowgain' 'LBC\_m36\_c45\_lowgain' 'LBC\_m36\_c46\_lowgain' 'LBC\_m36\_c47\_lowgain' 'EBA\_m19\_c41\_highgain' --ldate 412210 412416 412439 412491 412637 --output ExampleFolder --qflag 'all' --timestab --printopt 'Print\_All'

macros/cis/StudyFlag.py --date '28 days' --region 'EBA\_m28\_c05\_lowgain' 'EBA\_m61\_c15\_highgain' 'EBA\_m61\_c15\_lowgain' 'EBA\_m64\_c03\_highgain' 'EBC\_m61\_c08\_lowgain' --ldate 411022 411075 412210 412416 412439 412491 412637 --output ExampleFolder --qflag 'all' --timestab --printopt 'Print\_All'

/afs/cern.ch/user/d/dabelayn/Tucs/plots/latest/cis/CIS\_Update/