

Michele Veronesi ISU KLM Meeting 24/06/2022

KLM



- Ribbon cables pins & breakout board Muon ID efficiencies & KLM offline calibration
- Hardware tasks during LS1

Outline



Ribbon cables & breakout boards





Flat Ribbon Cable 0.1" FRC Connector Breakout Board Module (IDC34 2x17Pin)

https://www.amazon.com/Electronics-Salon-Header-Breakout-Terminal-Connector/dp/B00SWQ7NHM?th=1



Available on Amazon US at \$16.99, delivers to Japan within a week





- I am not quite sure about the type of the connector we found on top of the detector
- Searching for the number printed on the connector didn't help
- It doesn't seem to fit in the kind of breakout board shown before
- Any idea?



Muon ID efficiencies





From K. Uno's talk at B2GM (slide 6): https://indico.belle2.org/event/6872/contributions/37428/

Muon ID efficiencies

C. No clear improvement from exp8 onwards.

- iayer/plane efficiencies used to correct the simulation for exp{7..24}

<u>MC14_rd does not improve agreement between data and simulation (except for exp7)</u> • I had a look at the ntuples used for KLM offline calibration, containing the sector/

BKLM sector efficiencies

BKLM sector efficiencies

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- Offline calibration ntuples do report some drops in efficiency for BF5 and BF2 during experiments 8 to 14
- These should be already incorporated into the run dependent MC simulation on a run-by-run basis
- Can you think of other KLM (DQM) variables that might have an effect on the PID efficiencies and whose distribution is not simulated?

Hardware tasks during LS1

- Long list of KLM hardware tasks for LS1
- FREE access mode starting Fri. 1st July
- Kindo-san sent a doodle for the KLM people @ KEK

AM JST ost.kek.jp>,	Michele Veronesi,	June 21, 2022 22:45 Hide					
re tasks during LS1: low rate							
gas hut connected only to BB2 inner + outer RPCs							

https://doodle.com/meeting/participate/id/boYXPpLe

Backup

EKLM sector efficiencies

