2021.09.14 -- Data Calibration / Reconstruction Meeting

Agenda:

1. DQM Status - Matt
2. Reconstruction Status for the 2021 Run - All
   a. Data Reconstruction - Norman
   b. Data First Look - Norman
3. Preliminary SVT Alignment - PF
4. KF Fitting Front and Back Track Segments - Robert
5. AOB

Attendees: Norman, Cameron, MattG, Maurik, Nathan, PF, Rafo, Robert, Tim, Tongtong

Notes:

MattG reported that the shifters are using the usual subdetector DQM drivers, which are working well. The online reconstruction DQM is not working. Blocking appears not to be working, with the same events often being reconstructed multiple times. Sergey will be looking into this.

Norman reported on the current status of the offline reconstruction and a first look at the FEE and WAB data.

PF showed an initial alignment of the SVT. The first iteration on the SVT alignment of the top modules showed a lot of improvement in the momentum scale and resolution. The bottom alignment is hampered by a missing sensor in Layer 5.

Robert gave an update on the Kalman Filter package. He is now able to fit the front (Layers 1-4) and back (Layers 5-7) sections of full tracks in order to study the alignment by comparing differences in track slope and intercepts at the hinge plane.

Action Items: