Offline QA

Yuko Sekiguchi

RIKEN

Offline QA Summary

- Classify runs as GOOD or BAD based on the following two methods:
  - Timing alignment across ladders:
    - Evaluate the standard deviation of BCO diff peak positions. A value of zero indicates good synchronization: $\sigma=0$ →**GOOD** run and $\sigma\neq0$ →**BAD** run.
  - Good Channel ratio:
    - Check the fraction of channels that are neither hot, cold, nor dead. Determine whether the fraction is significantly low. Since the overall baseline is still unknown, we provisionally set a low threshold at 80%: ratio > 80% →**GOOD** run and ratio < 80% →**BAD** run.

- Are there any other essential criteria we should include for making the judgment?
  - At this point, it is difficult to determine the threshold for other components without further analysis.