207th HL-LHC TCC follow-up on crystal collimation

D. Mirarchi on behalf of BE-ABP-NDC, BE-CEM-MRO, BE-OP-LHC, SY-STI-TCD teams

208th HL-LHC Technical Coordination Committee

Autopilot performance

Main parameter to define performance: How much time do we spend optimising w.r.t. time spent in optimal channeling?



Can we accept that for ~8% of the time each plane cannot guarantee target cleaning performance? To be balanced with efforts needed to understand and fix root cause – strong synergy with PBC studies



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Number of fills 05 05

10

Device: TCPCH.A4L7.B1. Fill: 10374

Offset trend overview



Main qualitative considerations:

All devices show a trend compatible with a warm-up → cool-down process, as observed in 2023 •





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