Status update

tdr.25.5.0 validation for tracking

Chenguang Zhang / 23May2025

Resolution



• The performance is stable with the new release



Resolution



clear



• There may be tiny improvements since MR254, which updated the MDI support material, but the impact is not very

- The tracking performance of the forward region is fine with the new release

Resolution

• Some fits could be further optimised, but this is beyond the scope of this validation

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ITKB Hit Efficiency

tdr25.3.6

- In the right plot, $VXDL_5/6$ and OTKB > 0.995
- The hit efficiencies of ITKE layers are reduced due to the MR246 [fix the issue of lacking gap in ITK]

tdr25.5.0

ITKE Hit Efficiency

tdr25.3.6

- In the right plot, $VXDL_5/6$ and OTKE > 0.995
- The hit efficiencies of ITKB layers are reduced due to the MR246

tdr25.5.0

• The inefficiency in certain specific areas was fixed by MR262

• A detailed synchronisation between the two releases is in progress...

• The tracking performance with tdr.25.5.0 has been validated

Summary