

Status of Note on CLIC Detector Performance

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Content and Scope of the Note



The note will describe

- The detector model (brief description, details in CLICdp-Note-2017-001)
- Experimental conditions
- Simulation and reconstruction software including overlay
 - ▶ Possible improvements in the reconstruction
- Performance of the detector
 - ▶ Occupancies from backgrounds in the tracking detectors
 - ▶ Tracking and particle flow performance from single particles to jets
 - ▶ Vertexing and flavour tagging
 - ▶ Forward calorimeter performance

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GitLab repository:

https://gitlab.cern.ch/CLICdp/Publications/DraftDocuments/Note_DetectorPerformance

T0 **April 17–18: CLICdp Advisory Board**

- 10 days April 6: Send draft to Advisory Committee
March 30 – April 2: Easter
- 3 weeks March 29: Final draft for CLICdp internal checks
- 4 weeks March 23: Second draft (all plots, most of the draft text, references)
- 6 weeks March 9: First draft (most plots, not much text) ✓

Current Status

- Frozen tracking and particle flow software and parameters
- Most plots for tracking and particle flow reconstruction added to note
- Some text on the detector model

To do until the next milestone (March 23)

- Add plots for single particle performance; vertexing and flavour tagging; forward calorimeter performances
- Start adding more text