Status of Note on CLIC Detector Performance

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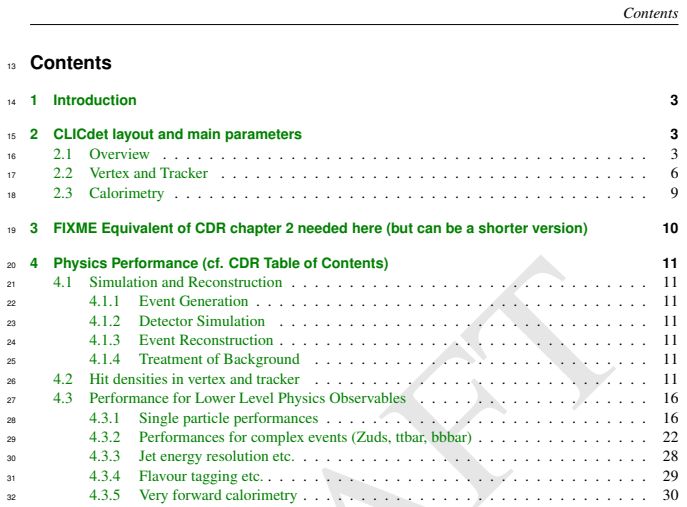
Content and Scope of the Note

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`

Time-line

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 and Next Steps

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