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Status of and plans for CLD detector (re-)optimization studies

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Reaching the physics goals of future e^+e^- colliders requires excellent detectors and software tools optimized towards the highest precisions.

The CLD detector model establishes a conservative baseline for an experiment for the proposed FCC-ee collider.

However, the quickly evolving silicon-detector landscape will allow building a detector with parameters beyond the currently established state of the art.

We present here, the status of and the plans for (re-)optimization studies of the CLD detector model.

This includes a re-evaluation of the silicon tracking detector design, regarding the material budget and single-point resolution, and updates of the track reconstruction algorithm, in particular for electron reconstruction.

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