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## Studies towards high luminosity at CLIC

We discuss the expected luminosity performance of the Compact Linear Collider (CLIC), which is a future e+e- collider proposed for the CERN site. We will discuss parameter choices and their impact on the luminosity of this collider. Start-to-end tracking simulations of the CLIC beam will be presented. These simulations include a comprehensive set of imperfections, both static and dynamic. From these simulations we estimate the expected luminosity of the first stage of CLIC at a centre-of-mass energy of 380 GeV. We will also discuss an alternative high-luminosity design of CLIC, which could achieve double the baseline luminosity.

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### Collaboration / Activity

CLIC

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