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Energy-staging of the Compact Linear Collider

The Compact Linear Collider (CLIC) is a proposed high-energy, high-luminosity $e+e-$ collider for physics studies and exploration up to the multi-TeV energy scale. We currently foresee building and operating CLIC in three sequential centre-of-mass energy stages at 380 GeV, 1.5 TeV, and 3 TeV. We will present an update of this energy-staging strategy and discuss the technical details of the accelerator complex needed to realise it. We will discuss in particular the accelerator parameters, the RF system design, the luminosity performance, and power and cost considerations, as well as the strategy for upgrading the machine from the lower to higher energy stages.

Experimental Collaboration

CLIC/CTF3 Collaboration

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