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500 GeV ILC Operating Scenarios (12' + 3')

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ILC Parameters Joint Working Group

The ILC Technical Design Report documents the design of a 500
GeV linear collider, but does not specify the centre-of-mass energy steps of operation
for the collider. The ILC Parameters Joint Working Group has studied possible running
scenarios and the evolution of physics outcomes based on a realistic estimate of the
real time accumulation of integrated luminosity, including initial operations ramp-up and upgrades,
constrained by a realistic power budget.
These physics goals include Higgs precision measurements, top quark measurements
and searches for new physics. We present this "optimized" operating scenario and the anticipated
evolution of the precision of the ILC measurements.

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