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LINEAR COLLIDER PHYSICS IN THE NEW MILLENNIUM PDF - Search results, The Compact Linear Collider (CLIC) is a mature option for a future multi-TeV high-luminosity linear e+e collider that is currently under development at CERN. It is based on a novel two-beam acceleration technique providing accelerating gradients of 100MV/m. Recent implementation studies for CLIC have converged towards a staged approach., The report focusses in particular on Higgs-boson, top-quark and electroweak precision physics, but also discusses several models of beyond the standard model physics such as supersymmetry, little Higgs models and extra gauge bosons., The International Linear Collider (ILC) is a linear electron-positron collider planned for physics exploration and precision measurements in the energy region of 200 500 GeV., A long history of linear collider activity was summarised recently by G.A. Loew during the LCWS2006 workshop at Bangalore, India. The first workshop on linear collider technology was organised in 1988, on physics three years later. The last

LCWS meeting was held at DESY, in the late spring 2007., LC NewsLine is a biweekly e-newsletter about recent news, milestones, and developments related to the Linear Collider Collaboration and the fields of high-energy, particle and accelerator physics and engineering., 5 The studies of physics and detectors for the International Linear Collider are an important parallel element to the effort for the ILC Technical Design Report., 1 COLLIDER PHYSICS LECTURE NOTES Lecture notes based on a course given by Maxim Perelstein at Cornell University on Collider physics. The course goes over the basics of colliders and provides an, Welcome to the International Linear Collider! This project “ we call it ILC for short “ could be the next big adventure in particle physics. Currently at the planning stage, it would complement the Large Hadron Collider at CERN and shed more light on the discoveries scientists are likely to make there in the coming years., Milestone The International Linear Collider's Technical Design Report. A five-volume report containing the blueprint for a future particle physics project, the International Linear

Collider, was published on 12 June 2013.,
Physics run 500 3500 576 0.1 0.5 1.0 1.0 7.4
17.0 TDR lumi-up at 5Hz Physics run 250
1500 480 1.0 1.0 1.0 1.0 3.2 20.2 lumi-up
operation at 10Hz Table 7: Scenario H-20:
Sequence of energy stages and their
real-time conditions., 9/15/04 Fermilab
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â€¢ The Fermilab program and the
International Linear Collider â€¢ The
technology decision, 31 October 2005 Mark
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