

Next Collider the ILC? The physics and the detectors

Tuesday 10 September 2013 15:00 (30 minutes)

The idea of constructing the next e+e- collider has been under study for almost 2 decades. A world-wide R&D effort has led to the conclusion that physics interests would best be served by a 0.5 - 1 TeV machine accompanied by precision detectors. Dubbed the International Linear Collider (ILC) it would be a cryogenic machine, whose technology has now been established. Two detector concepts named ILD and SiD (ILC Large Detector and Silicon Detector) have also been developed. With the discovery of the higgs at LHC-CERN the case for an early construction of the ILC has been greatly strengthened. The nature of physics at the ILC and how the detectors will unravel it will be described."

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Session Classification: Session 7

Track Classification: Future Facilities