

ILD, a Detector for the International Linear Collider

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The International Large Detector (ILD) is a detector designed primarily for the International Linear Collider (ILC), a high-luminosity linear electron-positron collider with an initial center-of-mass energy of 250 GeV, extendable to 1 TeV. The ILD concept is based on particle flow for overall event reconstruction, which requests outstanding detector capabilities including superb tracking, very precise detection of secondary vertices and high-granularity calorimetry. In the past years the design has focused on building subdetector technological prototypes scalable to the full ILD size, studying their integration into a coherent detector, benchmarking the ILD performance and preparing for an optimization of the overall ILD size and costing. The current status has recently been made public in an ILD Interim Design Report (IDR) of interest for any future $e+e-$ collider detector. The presentation will summarize the main IDR results and the plans to prepare a technical proposal for the ILC.

TIPP2020 abstract resubmission?

No, this is an entirely new submission.

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Primary authors: KAWAGOE, Kiyotomo (Kyushu University (JP)); IRLES, Adrian (IFIC CSIC/UV)

Presenter: IRLES, Adrian (IFIC CSIC/UV)

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