Contribution ID: **21**   Type: **not specified**

Jet reconstruction at future e+e- colliders

Tuesday 19 July 2016 16:40 (20 minutes)

Abstract: The linear collider experiments require excellent performance of jet clustering algorithms in high-energy electron-positron with non-negligible gamma gamma -> hadrons background. The ILC and CLIC detector concepts have studied the performance of several algorithms under realistic conditions and with a detailed model of the detector response. Results on jet energy and substructure response are presented for several key benchmark processes. The identification of boosted objects in TeV electron-positron collisions is also discussed.

Summary

Review of the challenges for jet reconstruction algorithm at future colliders. Results will be presented of performance studies on full simulation of the linear collider detector concepts.

Contribution on behalf of: LCC (ILC+CLICdp). Speaker to be decided by combined speakers committees.

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