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## **PFA performance and Higgs study using kinematical fit**

*Thursday 9 November 2006 18:20 (20 minutes)*

There is a general consensus that Particle Flow Algorithm (PFA) derives overall ILC detector design.

We studied the PFA for GLD detector using the GEANT4-based full simulator named Jupiter. In this talk, recent progress of the GLD-PFA is presented. In addition to that, some preliminary results on the Higgs study by using kinematical fit will be shown.

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**Session Classification:** Simulation/Reconstruction