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## Jet energy calibration using $e^+e^- \rightarrow \gamma Z$ process at the ILC

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International Large Detector, ILD is a detector concept of the ILC. It is required to measure various kinds of the final state particles very precisely using ILD and jet energy scale (JES) measurement is one of the important parts. In order to reduce the systematic error of the JES measurement, we tried to calibrate the jet energy using reconstructed jet energy from other measured variables. We reconstructed the jet energy using measured jet mass, jet angles and photon angles in the  $e^+e^- \rightarrow \gamma Z$  process. We performed full simulation and evaluated how accurate JES can be calibrated. We will discuss the JES reconstruction results and report the possibility for the calibration.

### Time Zone

Asia/Pacific

**Primary author:** MIZUNO, Takahiro

**Co-authors:** FUJII, Keisuke (High Energy Accelerator Research Organization (JP)); Dr TIAN, Junping (The University of Tokyo)

**Presenter:** MIZUNO, Takahiro

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