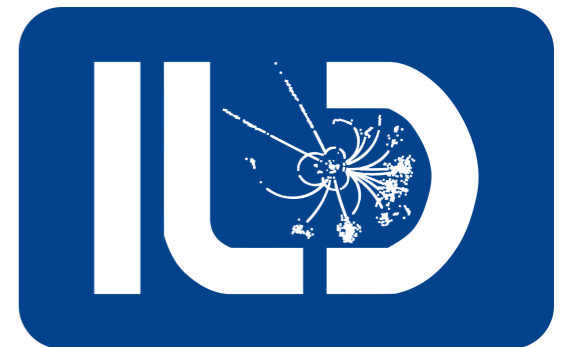


Jet Energy Scale Calibration using $e^+e^- \rightarrow \gamma Z$ process at the ILC

Takahiro Mizuno
SOKENDAI



Analysis samples

Finally, rootfiles for the JES calibration were generated after modifying MC overestimation.

2 definitions for MCTruth

- **all-MC**
- **detected-MC**

Based on the jet energy resolution in the samples, following are studied.

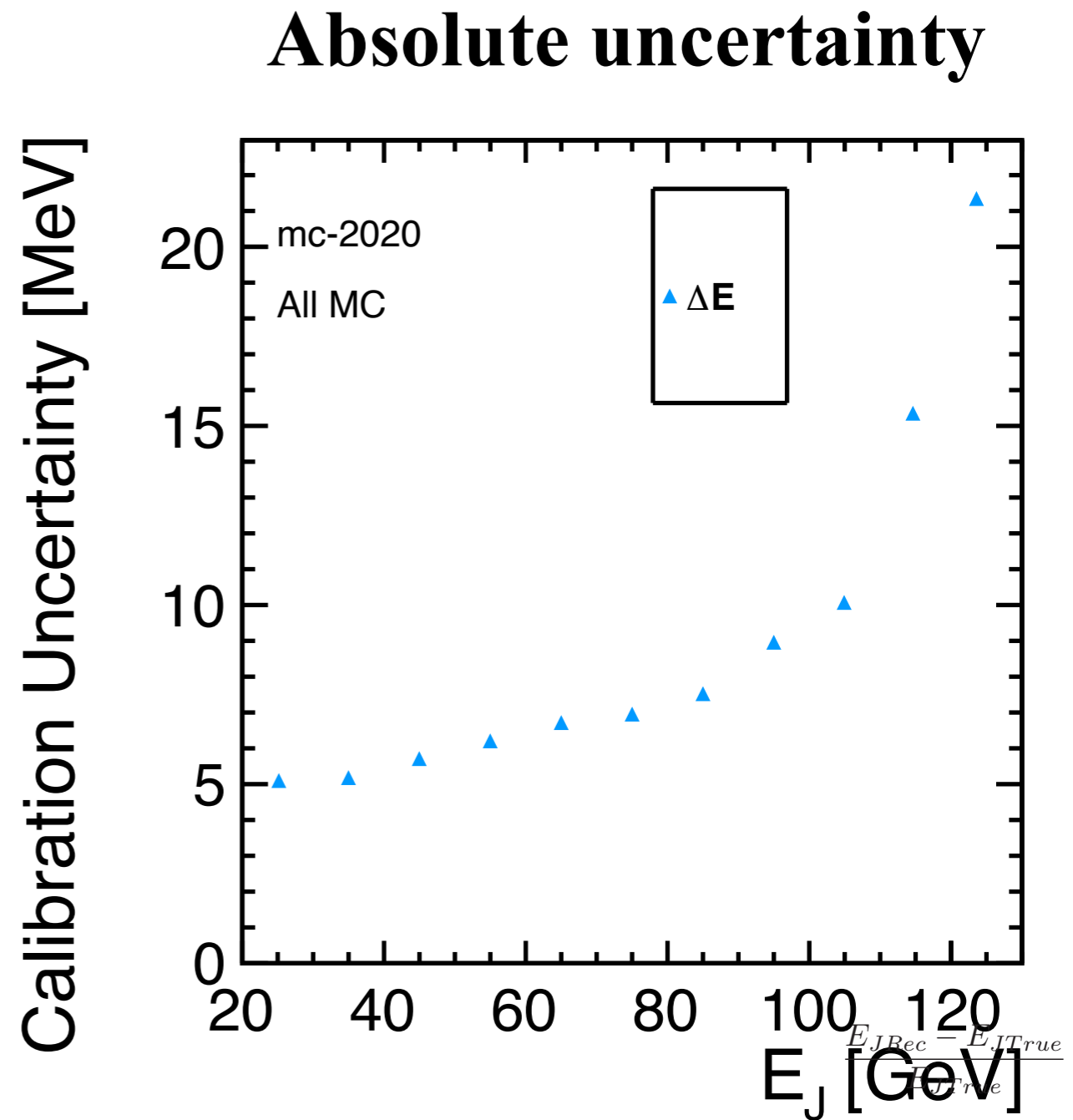
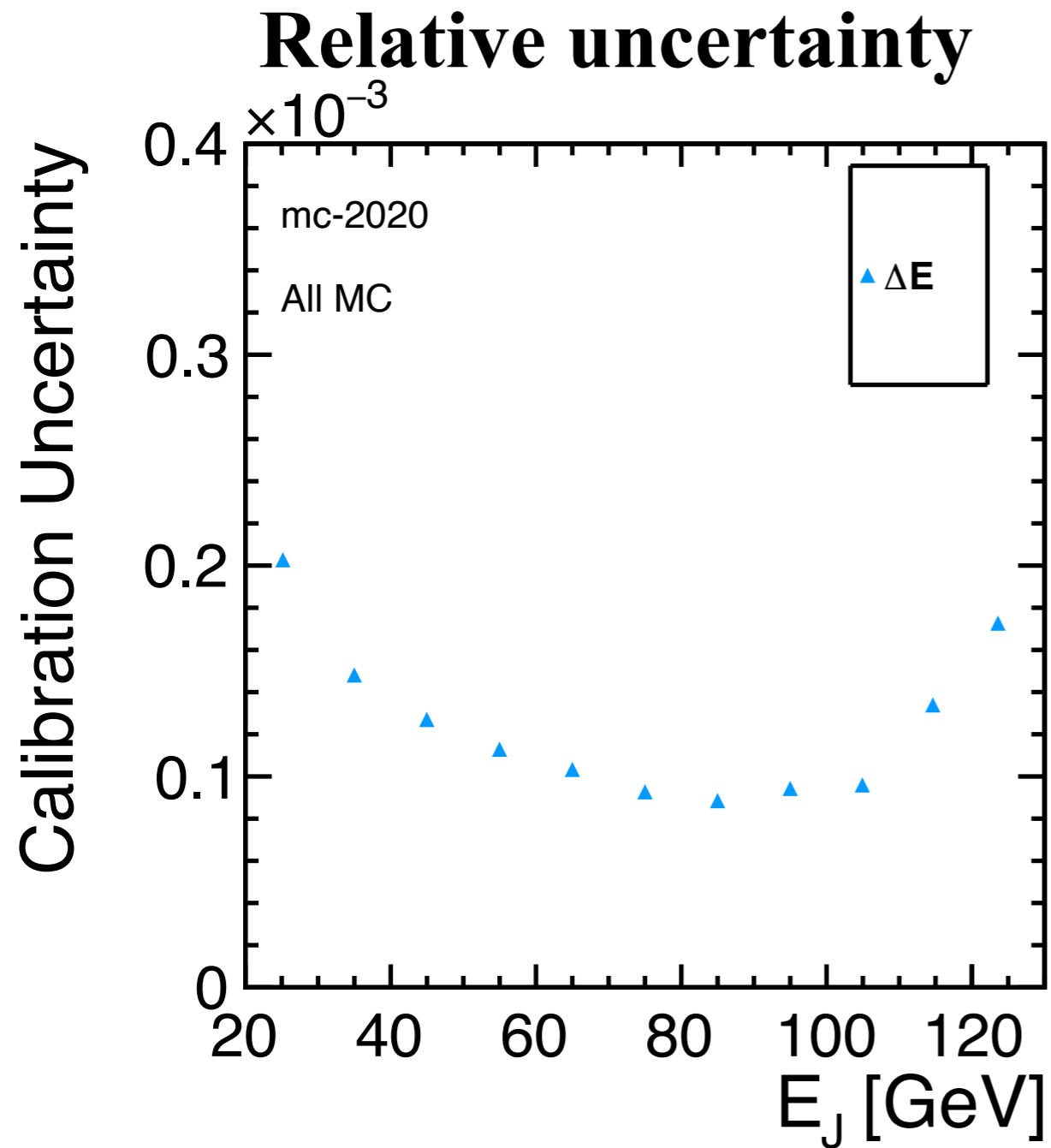
Method Comparison

Dependence on

- **E**nergy
- **F**lavor
- **T**heta

Calibration Uncertainty

Calib. Uncertainty (AI-MC)



Calib. Uncertainty (De-MC)

