Contribution ID: **155**                                              Type: **not specified**

# Alternative approach of kinematic fitting for arbitrary resolution functions

*Wednesday, 17 March 2021 06:00 (20 minutes)*

We are developing kinematic fitter which can deal with arbitrary resolution functions. Kinematic fitting is the constrained optimization method which uses distributions of fit parameters and kinematic relations among the parameters. In order to treat non-Gaussian distributions, for example b-jet energy distribution, our kinematic fitter is implemented based on the log-likelihood method.

In this talk, we report the operation verification of our kinematic fitter using the ZH process which decays into b-jets. The b-jet resolutions are also evaluated as the input of the fitting.

## Time Zone

Asia/Pacific

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**Session Classification:**   PD4: Software & Detector Performance

**Track Classification:**   Physics and Detectors Tracks: PD4: Software & Detector Performance