Status of Calibration Belle II Central Drift Chamber with Cosmic muon

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Belle II Central Drift Chamber (CDC) is under constructing. It will be installed in Belle II Detector soon. Calibration and study performance of CDC before installation were done by using comic data which were taken by from 60 Electrical boards at the lower sector of CDC. Track Finding with Legendre algorithm and Deterministic Annealing Fitter (DAF) are employed in tracking. Timing-offsets of each channel are corrected by using residual distribution. Time to space relation was parameterized with 5\textsuperscript{th} polynomial at main region and linear function for boundary, fig.1 is plot of space time relation of layer 55.

![fig.1: Time to space relation](image1)

![fig.2: Intrinsic resolution as function of drift length](image2)

Intrinsic resolution as function of drift length was calibrated for each layer. Finally, we archived intrinsic resolution 95-150\textmu m at good region, this value depend on layer. Fig. 2 show intrinsic resolution of layer 55. It was fitted with a function which is quadratic sum of four components, primary ionization statistics, electron diffusion in gas, electronic noise and the distortion of electric field.