

K-Koto Meeting

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Error and χ^2

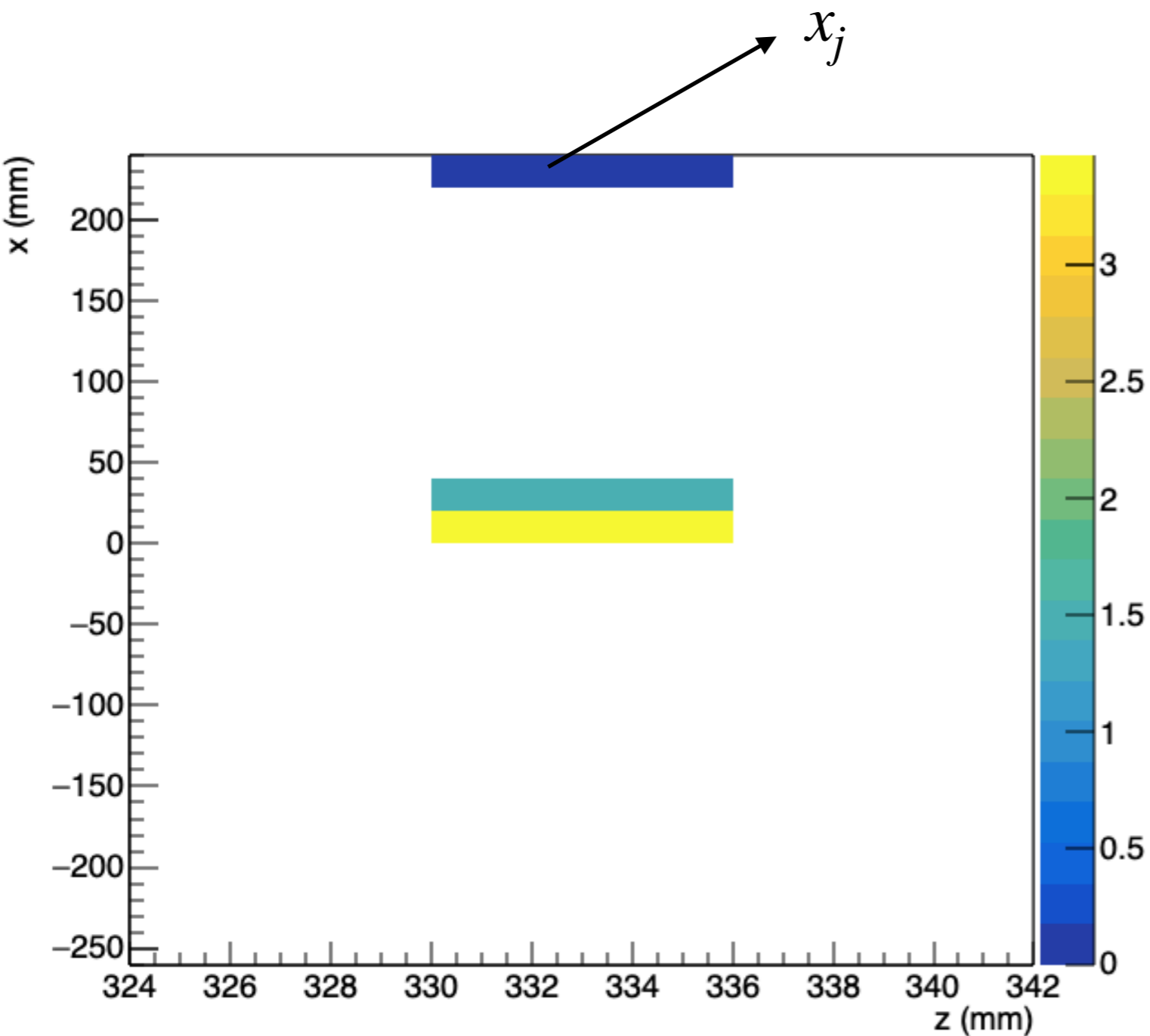
$$\sigma_x^2 = \sigma_{x(E \text{ weighted})}^2 + (L_x/\sqrt{12})^2$$

$$\sigma_z = L_z/\sqrt{12}$$

$$\chi^2 = \sum_i \frac{(f(x_i) - y_i)^2}{\sigma_i^2} \times e_i$$

, $e_i = E_i/\bar{E}$ (or $e_i = E_i^2/\bar{E}^2$??)
, i : layer id

Remove outlier



Energy weighted mean
excluding x_j

$$\left| \frac{\sum_{i \neq j}^n E_i x_i}{\sum_{i \neq j}^n E_i} - x_j \right| < \textit{distance cut}$$

back up