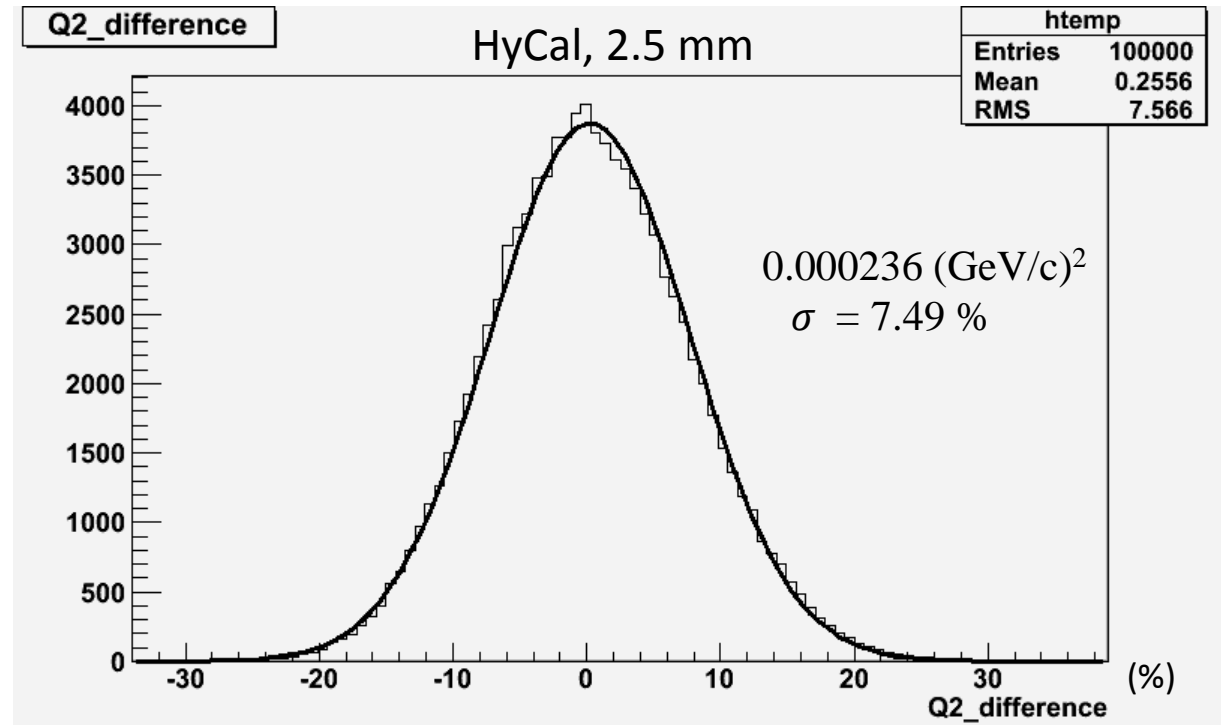


Q² resolution

- Beam energy 1.1 GeV
- Scattered angle 0.8 degree
- Target position uncertainty included (Gaussian distribution as an approximation)
- Energy resolution $2.6\%/\sqrt{E}$
- Position resolution, HyCal 2.5 mm/ \sqrt{E} , fiber tracker 0.6 mm or 0.3 mm



Q² resolution

- The energy resolution is dominant when the position resolution is 0.3 mm

