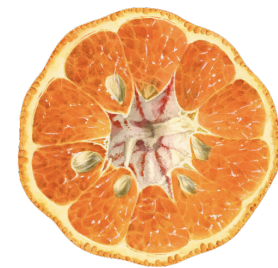
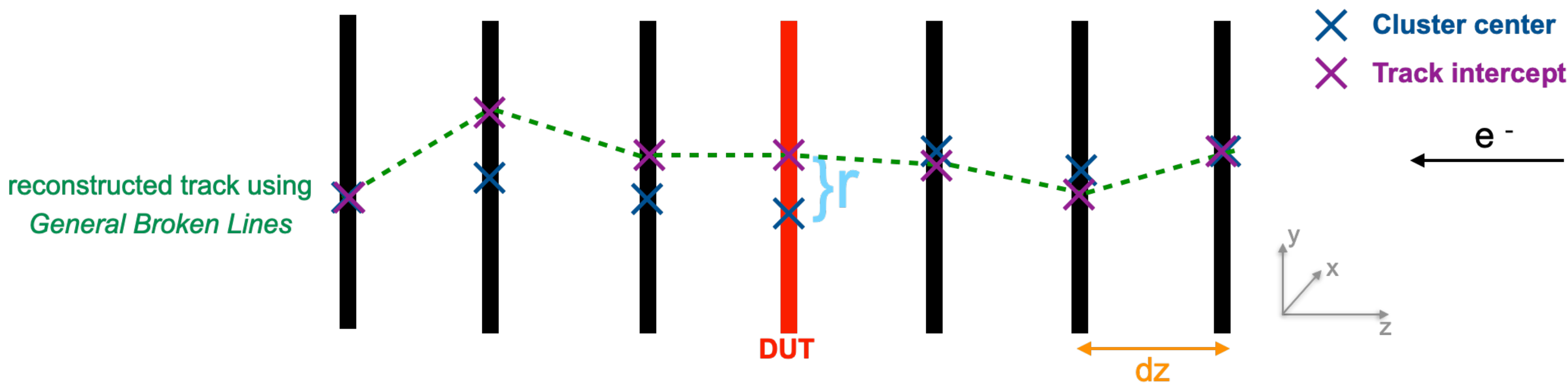
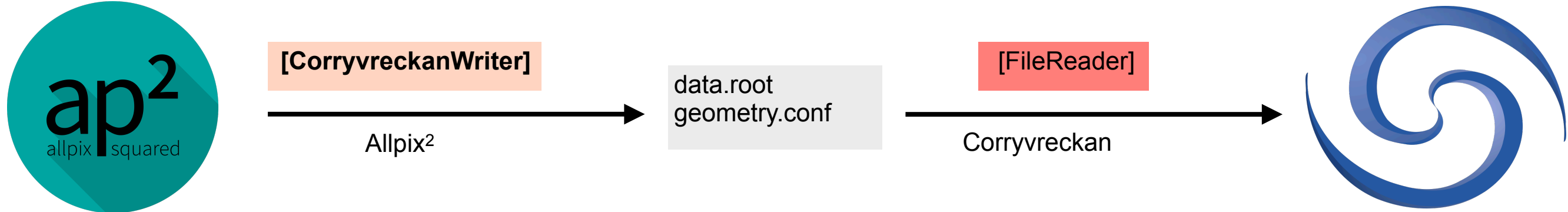
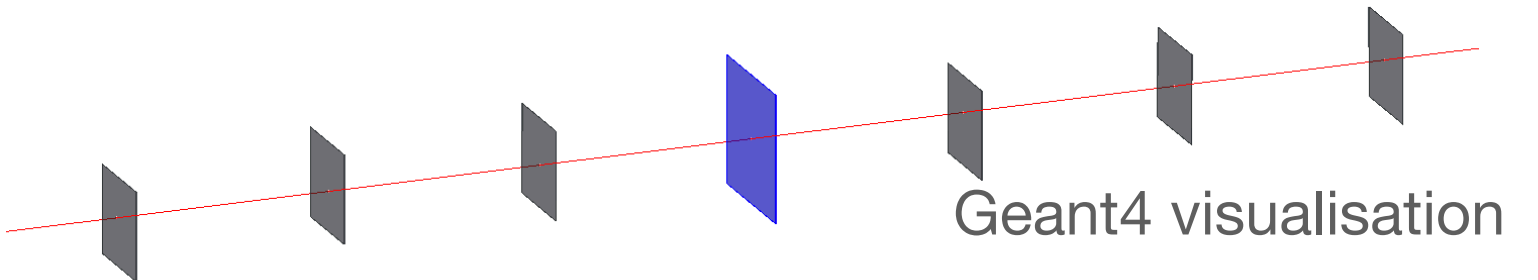


Monte Carlo simulations of a beam telescope setup based on a 65 nm CMOS Imaging Technology

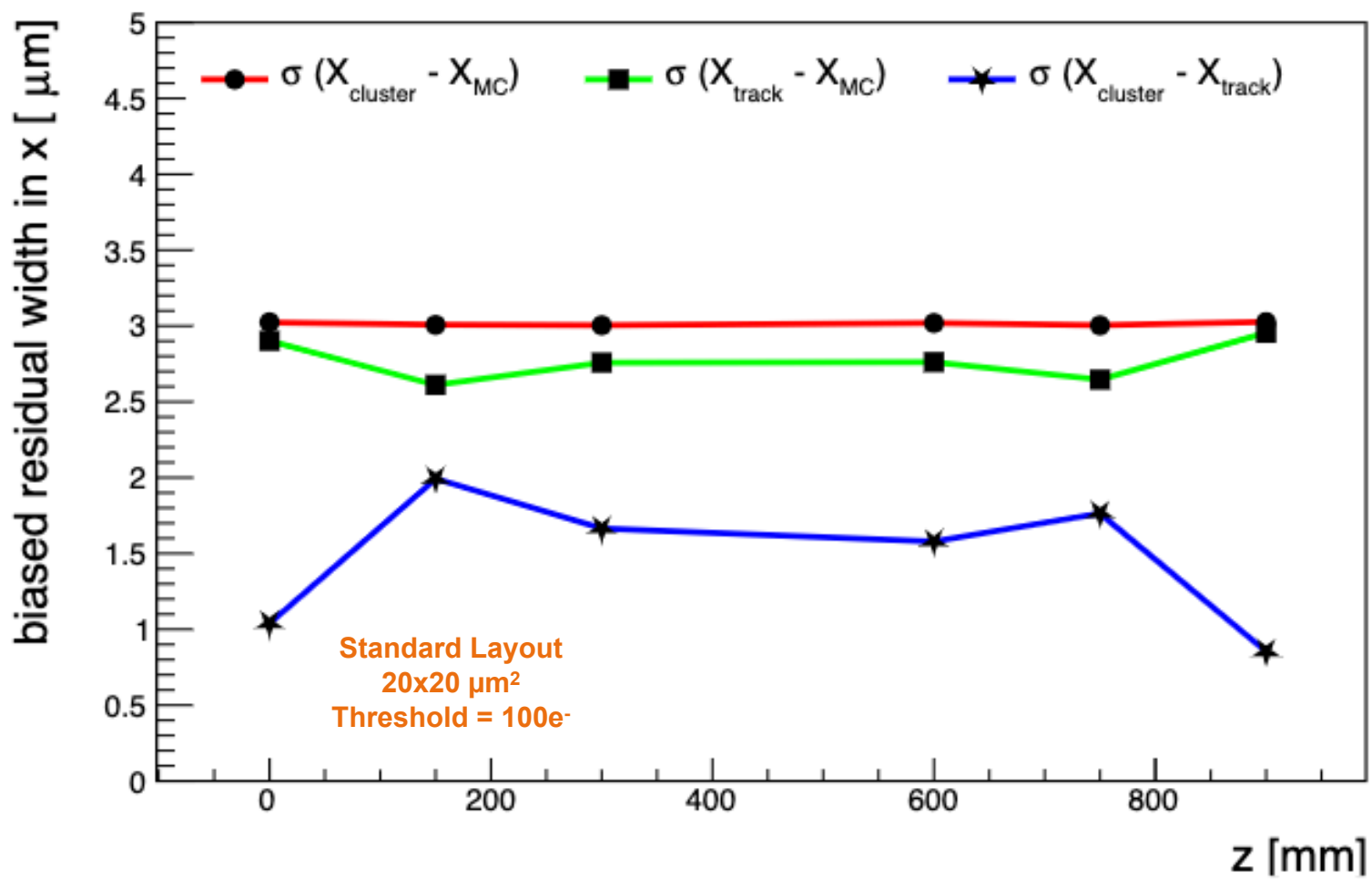
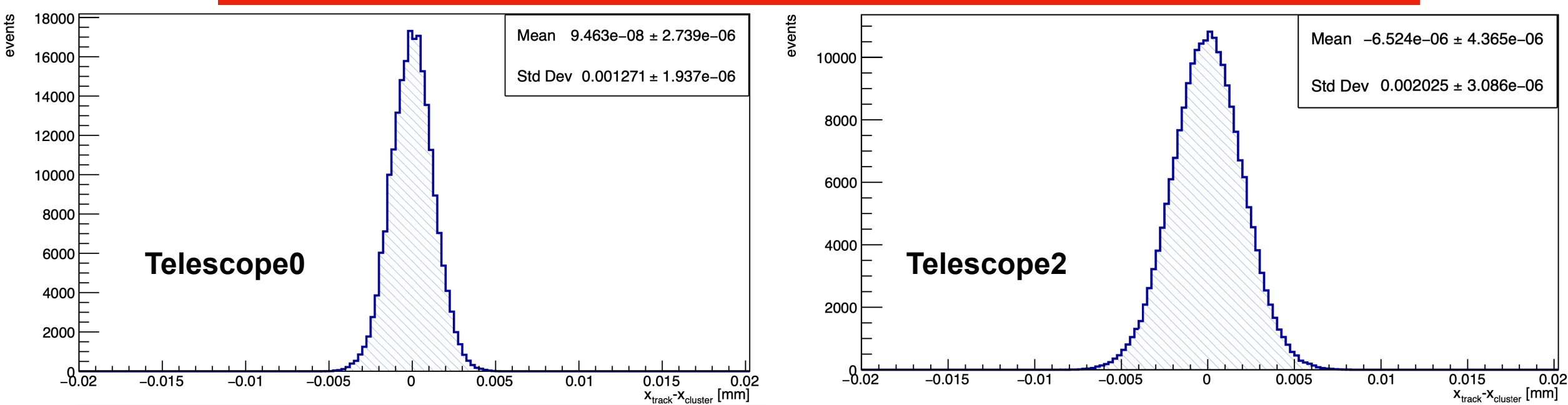
From the validation of sensor simulations to a full beam telescope

- Working closely with Håkan & Manuel
- Studies part of the **Tangerine Project** → Initial goal: design a test beam telescope that can be used at DESY
- **Monte Carlo simulations** of a beam telescope
- Frameworks: **Allpix²** and **Corryvreckan** for simulation and analysis

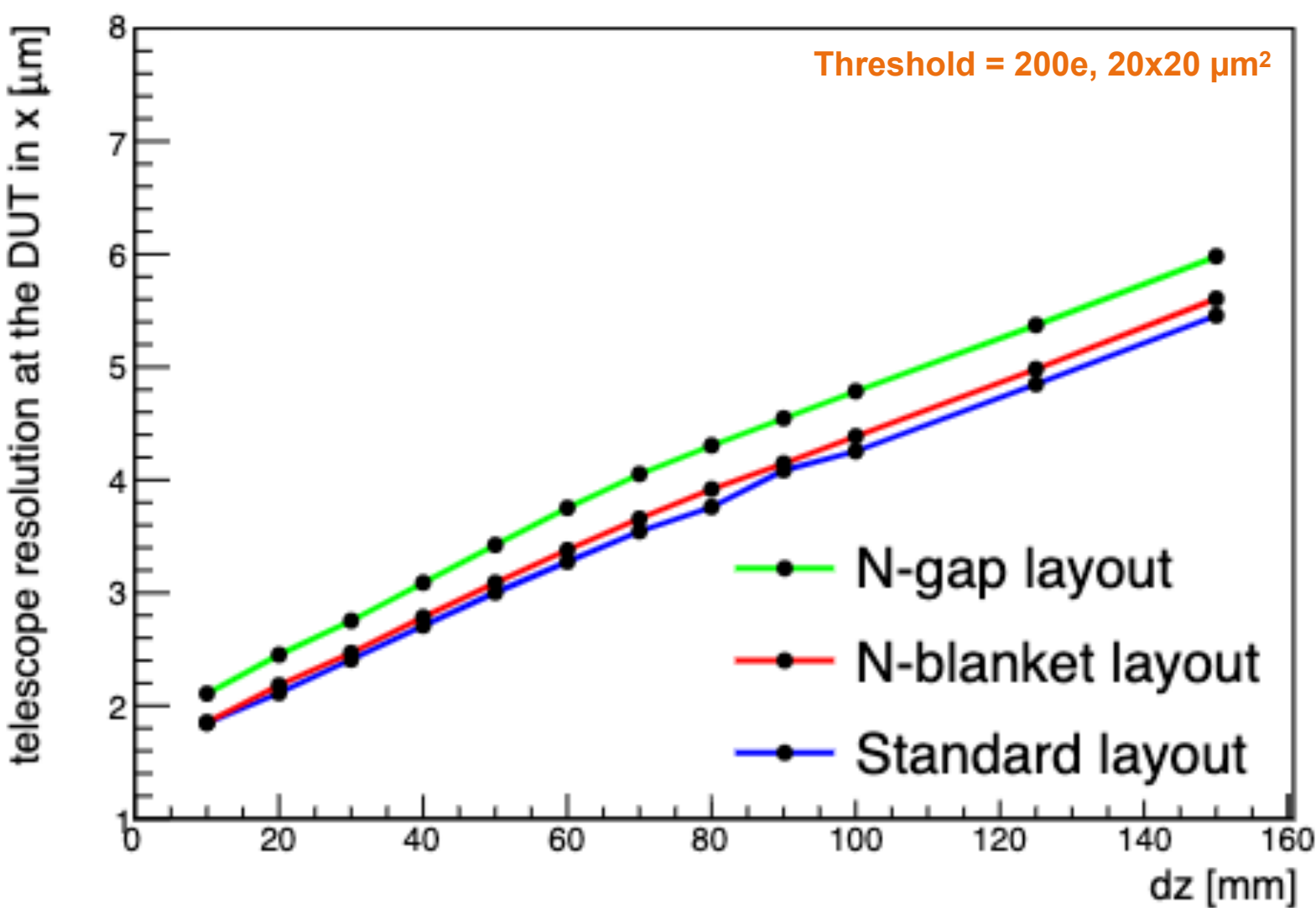


Some results

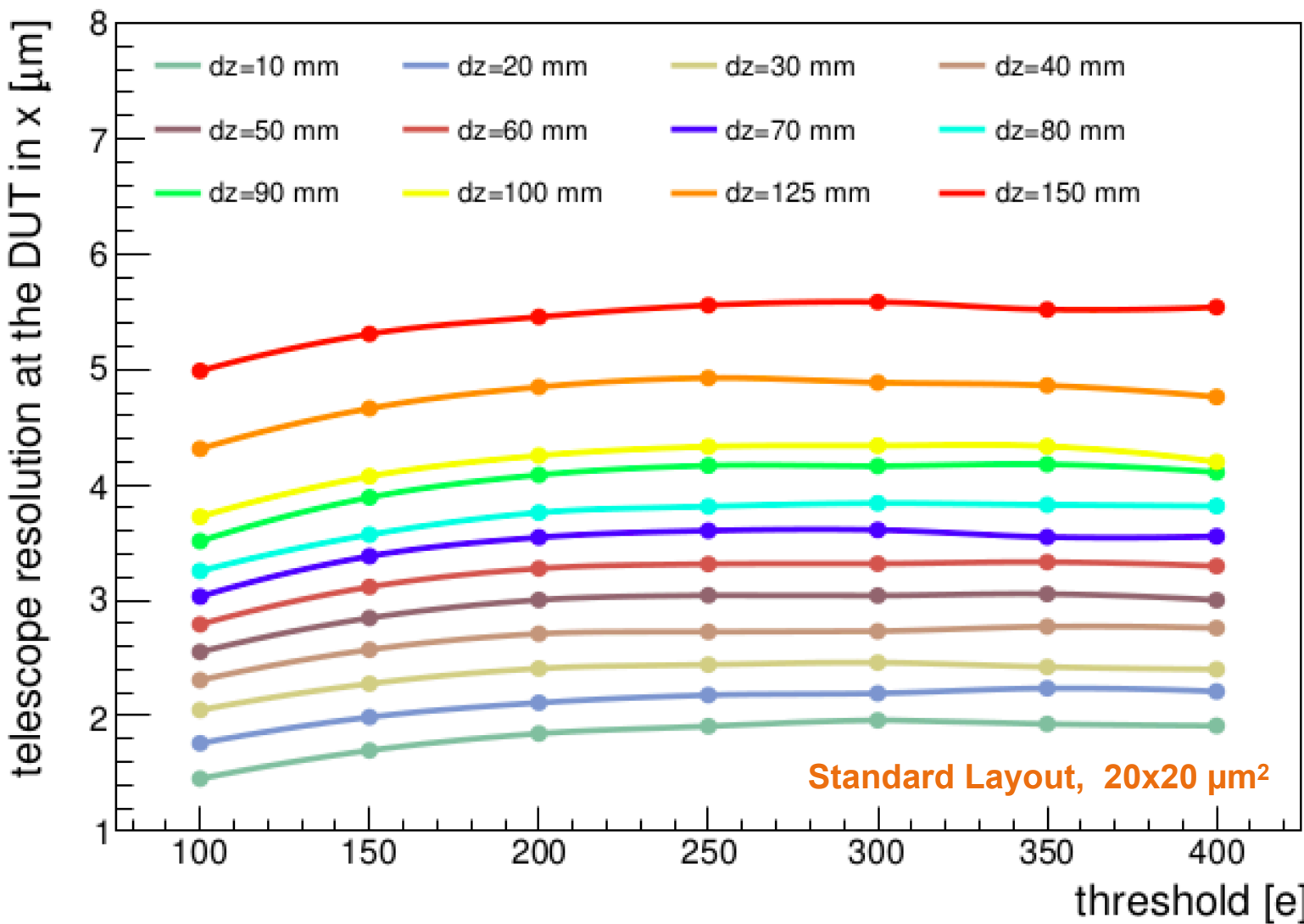
Biased residuals distributions for different telescope planes



Layouts comparison



Threshold scan



- Trends expected from sensor simulations, and compatible with measurements with other beam telescopes (M26).

Master colloquium

Tomorrow at 14:15

ATLAS Meeting Room