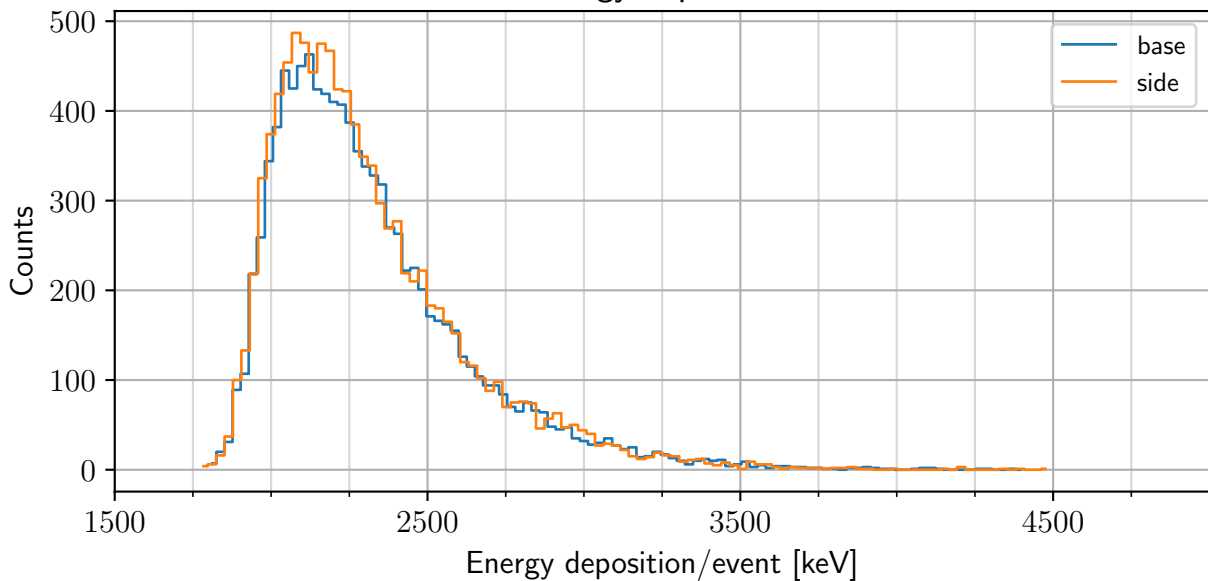Energy deposition

Photon detection and production