

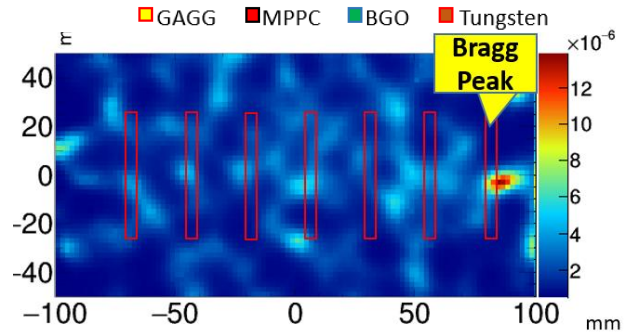
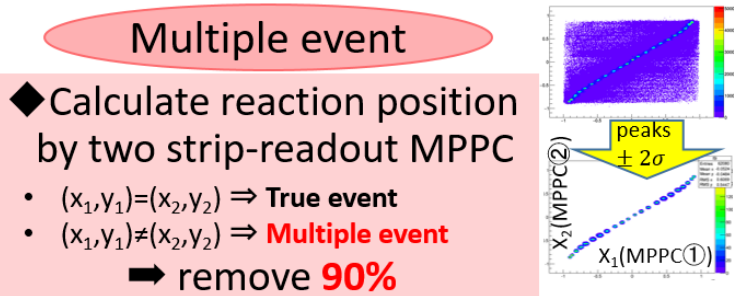
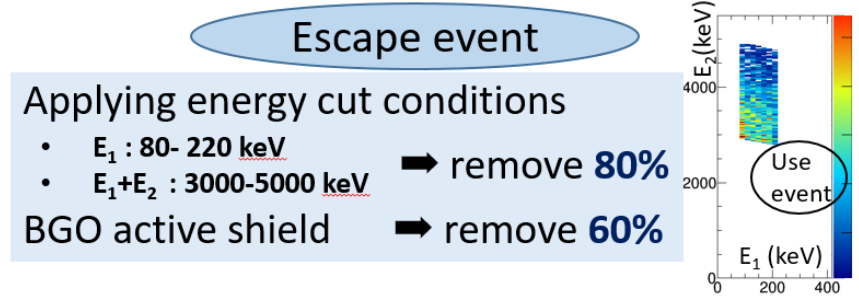
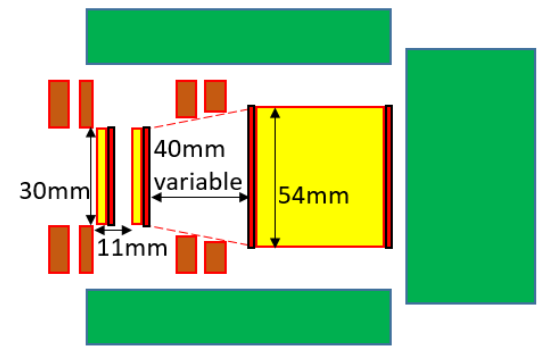
Development of high-resolution Compton camera for prompt gamma-ray imaging during proton therapy



New developed Compton camera for MeV gamma-ray imaging

- GAGG scintillator and MPPC array
- Active(BGO) and passive(tungsten) shields

Success in eliminating noise events in high energy gamma-ray



4.4 MeV prompt gamma-ray imaging

- 70MeV 10mmφ proton beam
- PMMA slab phantom (proton range =155mm)

We succeeded Bragg-Peak imaging

