

Updated Shower-max position, rates and bkgds

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Intro and Summary

- Used Chandan's version of remoll
- Shower-max plane at 24000 mm from Hall center
- Noticeable 2.5 cm shift in Moller peak to larger radius following new field maps requires new quartz positions

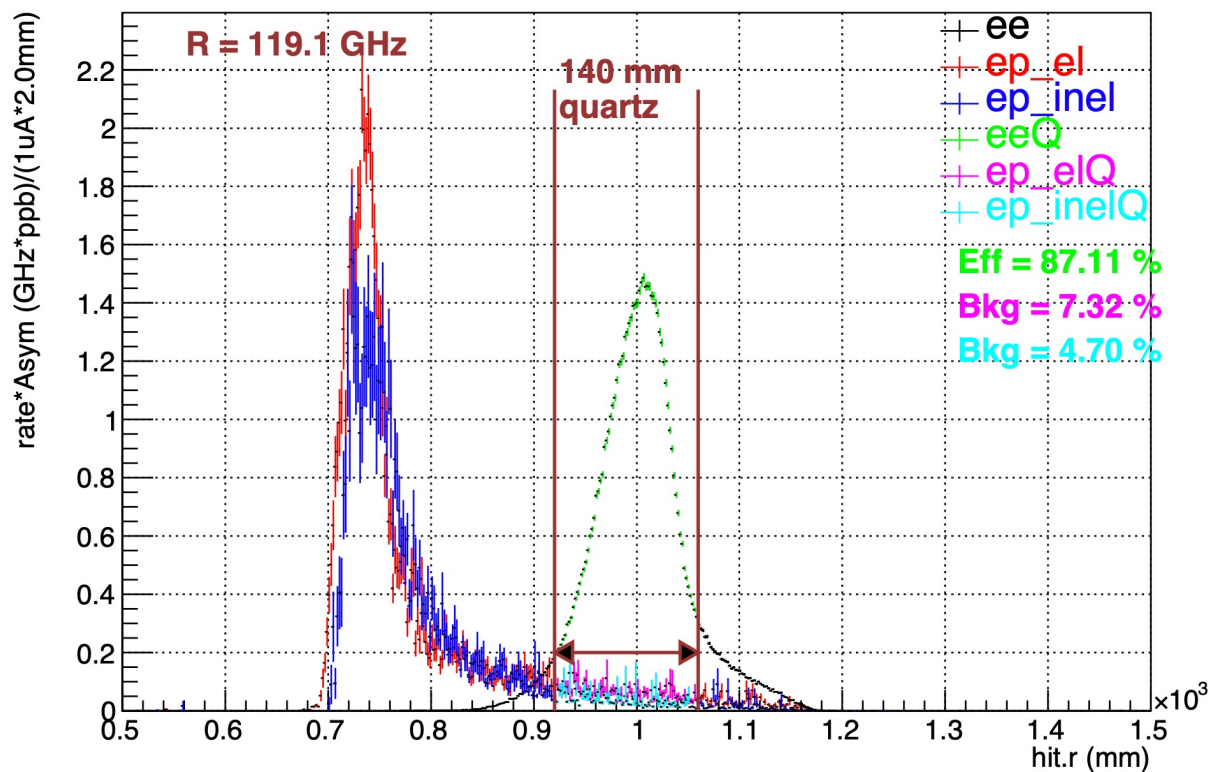
- New preliminary SM radial position is 1020 – 1180 m
- New position requires quartz tile size of 160 mm x 265.9 mm
- We just changed the ring 5 quartz position by eye for comparisons with Shower-max distributions

Updated radial distributions at ring5 and SM planes

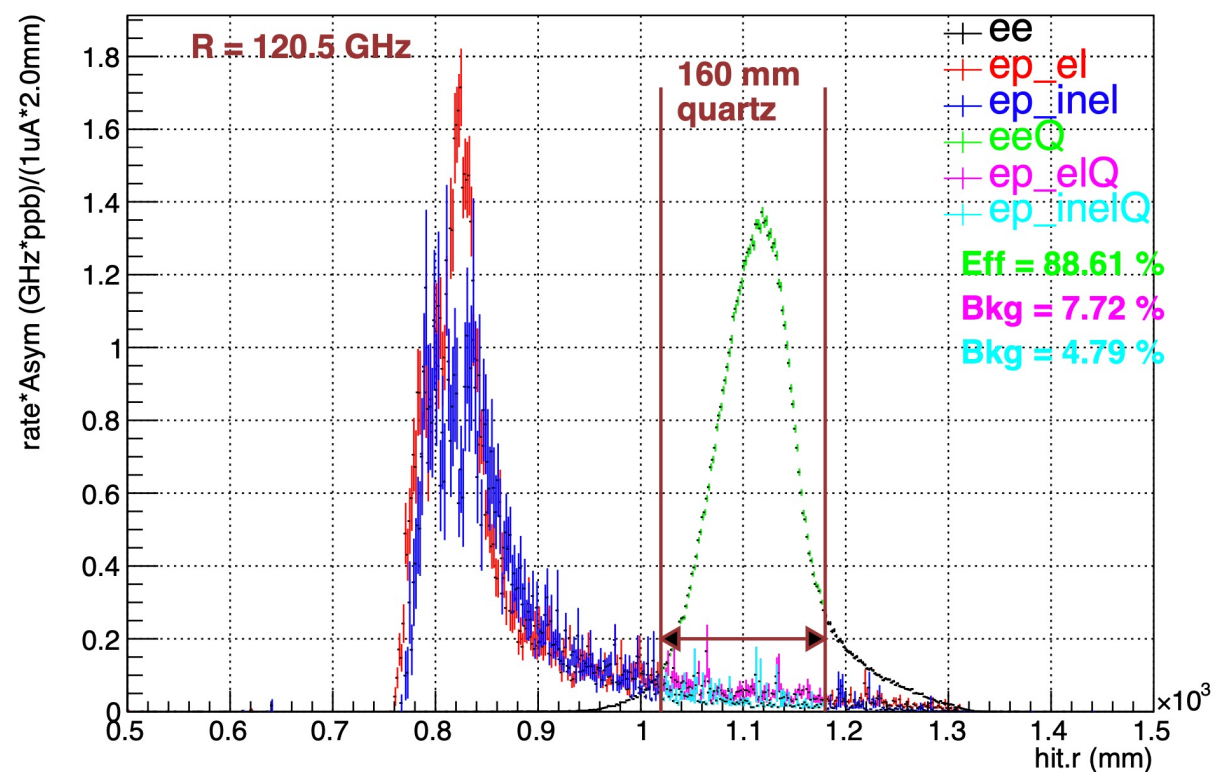
Inner Ring5 location moved from 885 to 920 mm

Inner SM location moved from 995 to 1020 mm

Radial distribution on ring 5 (rate*Asym weighted)

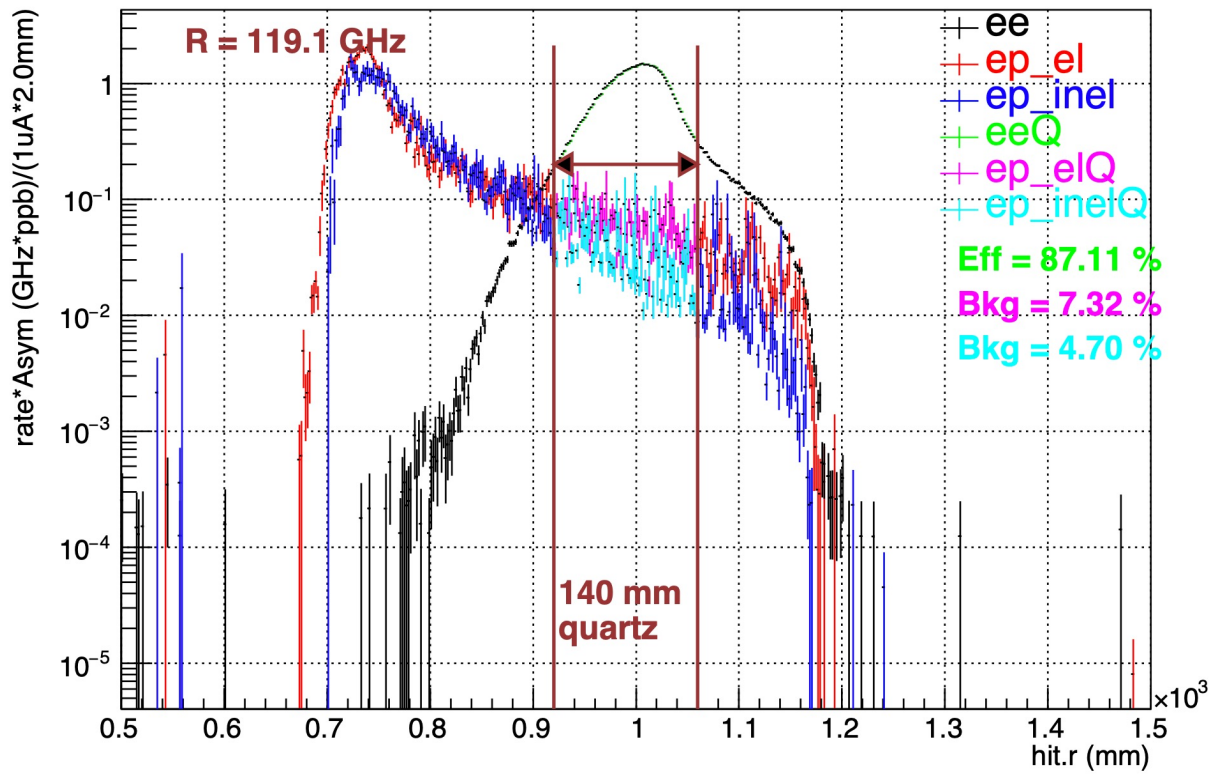


Radial distribution on sm det (rate*Asym weighted)

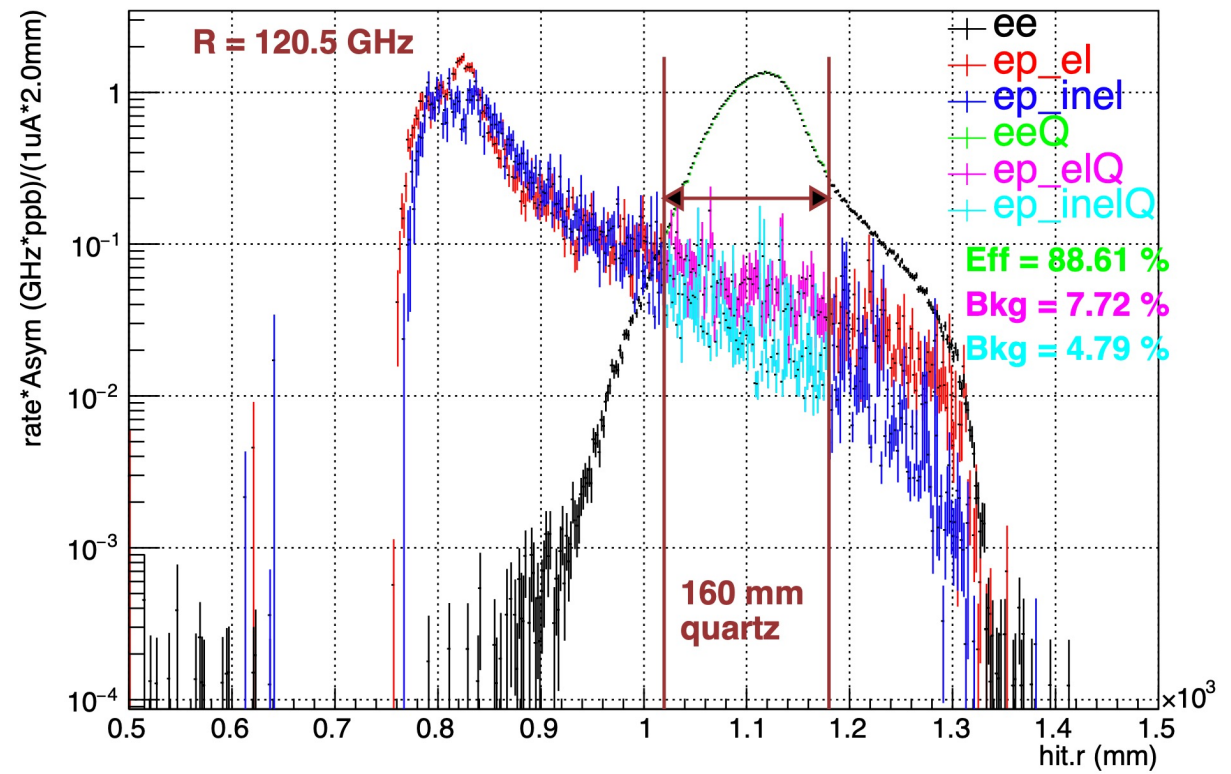


Updated radial distributions at ring5 and SM planes

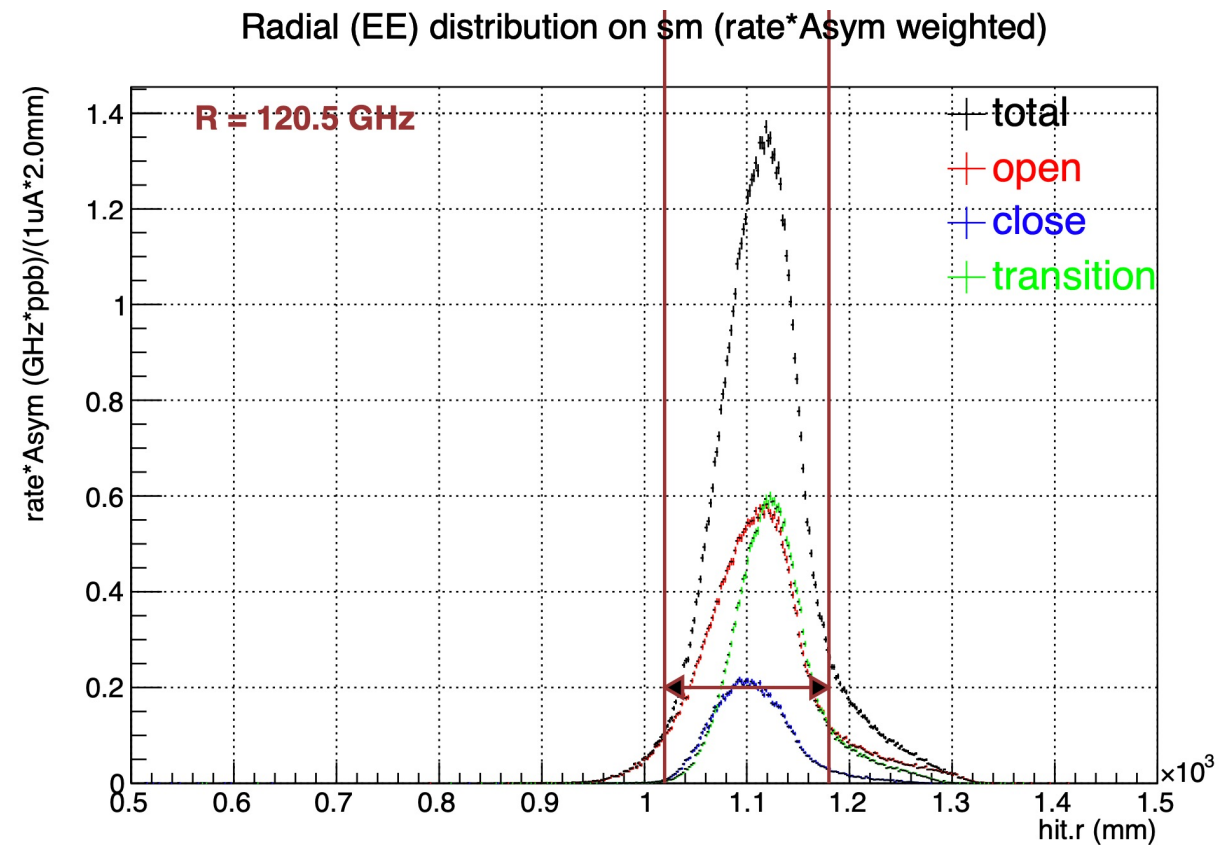
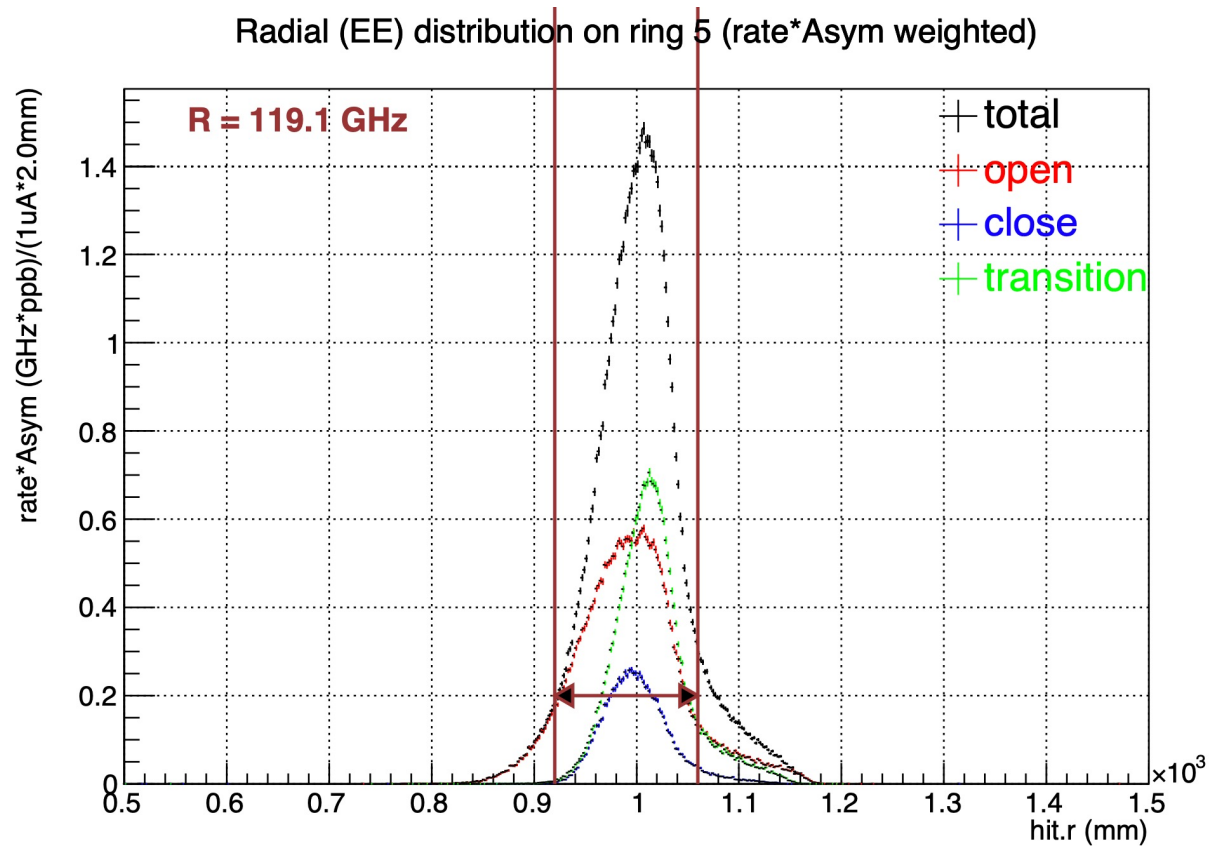
Radial distribution on ring 5 (rate*Asym weighted)



Radial distribution on sm det (rate*Asym weighted)

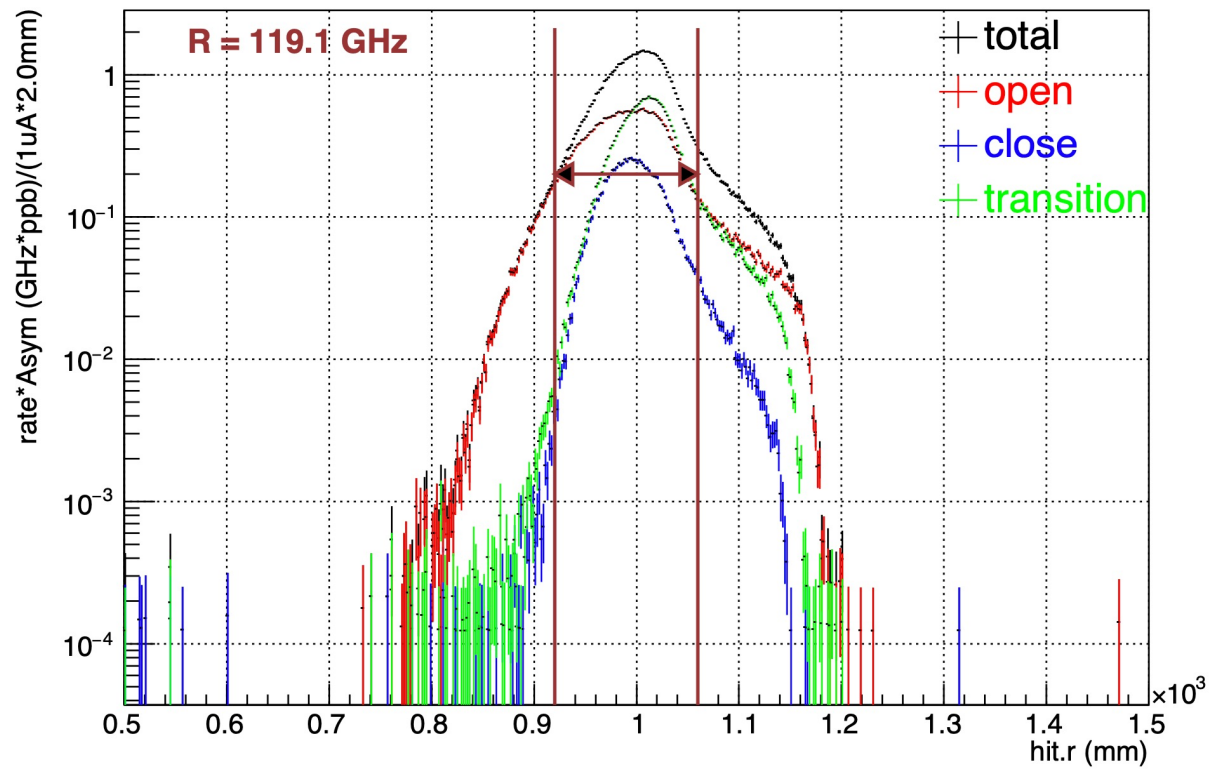


Radial distributions at ring5 and SM planes with phi regions

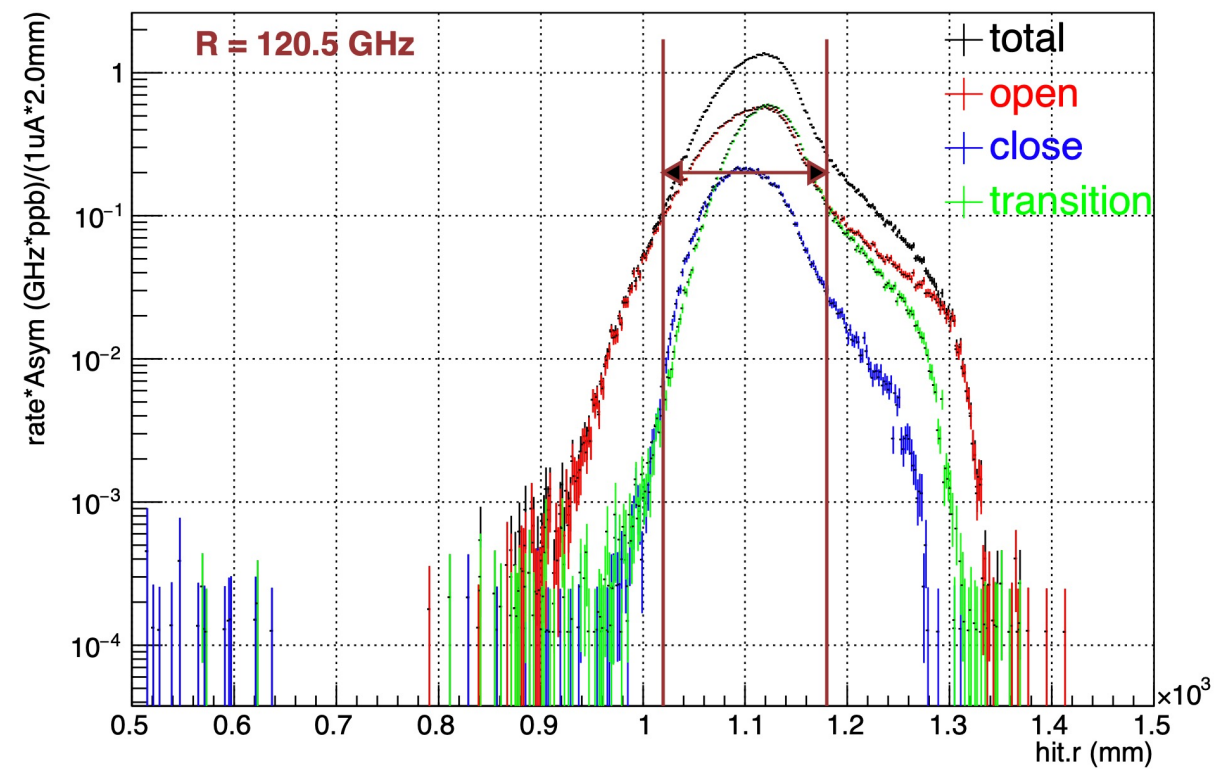


Radial distributions at ring5 and SM planes with phi regions

Radial (EE) distribution on ring 5 (rate*Asym weighted)



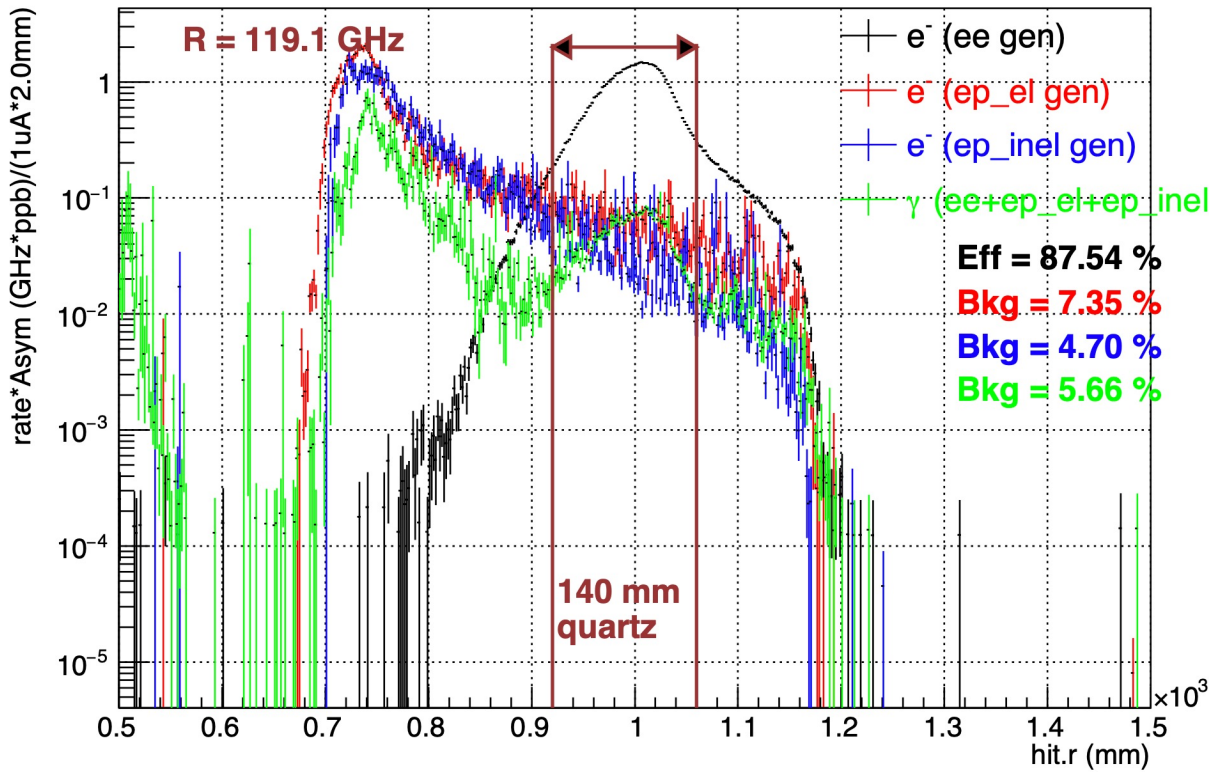
Radial (EE) distribution on sm (rate*Asym weighted)



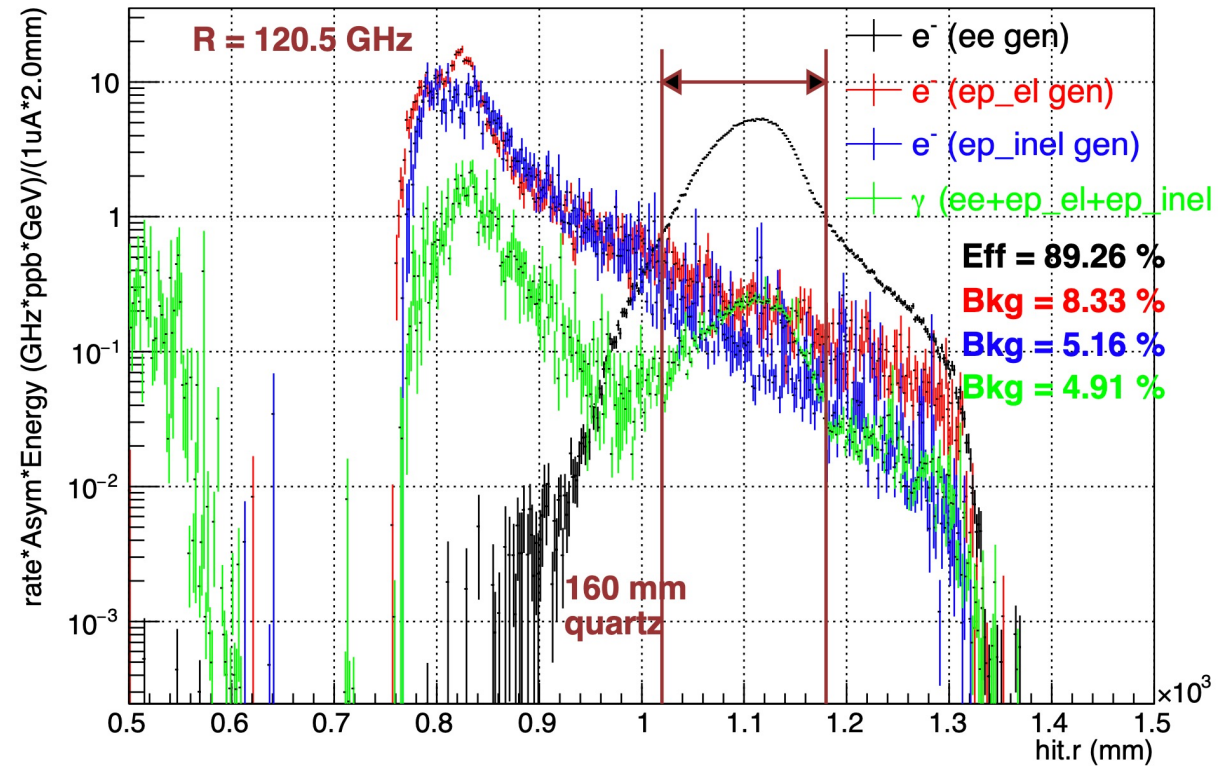
Radial distributions at ring5 and SM planes with Gammas

SM distributions are energy-weighted

Radial distribution on ring 5 (rate*Asym weighted)

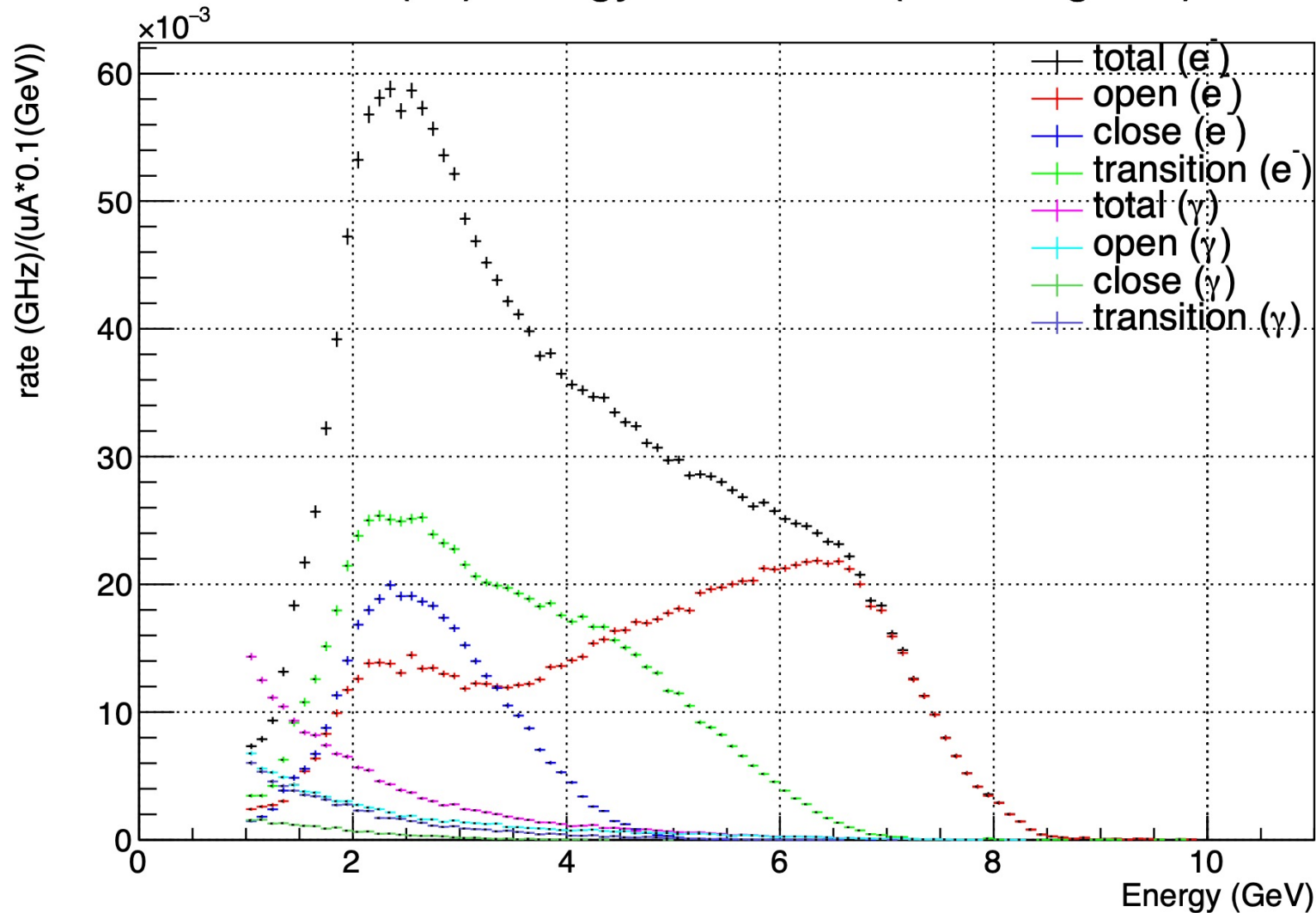


Radial distribution on sm det (rate*Asym*Energy weighted)

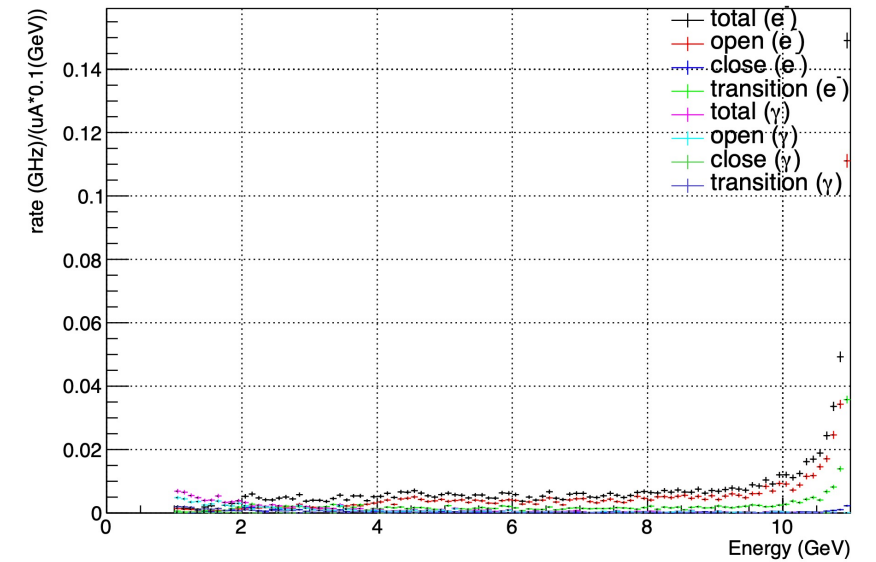


Energy Distributions including Gammas

Moller (ee) Energy distribution (rate weighted)



Elastic (ep) Energy distribution (rate weighted)



Inelastic (ep) Energy distribution (rate weighted)

