

FSR Plots

August 5, 2024

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Layer 0 - BB - Ring 1
Layer 0 - BB - All

Rings

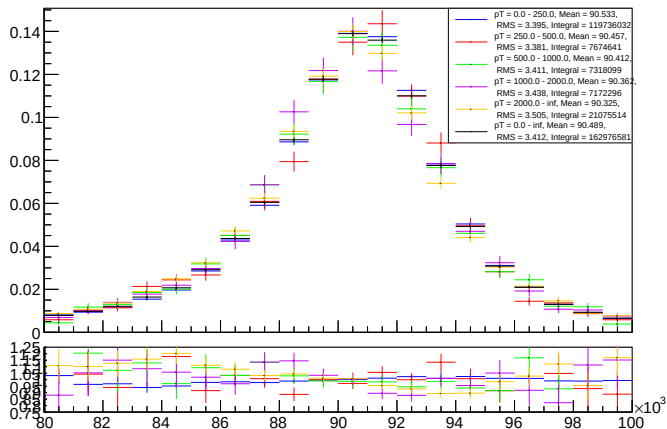
Layer 0 - BE - Ring 1

Description

- ▶ Selection - Electrons are first selected based on Eta to determine which section of the calorimeter it is in (Barrel or Endcap).
Then selects FSR photon with smallest delta R (w.r.t. both leading and subleading electrons) - determines the FSR photon pT and the dR Ring which electrons are sorted into.

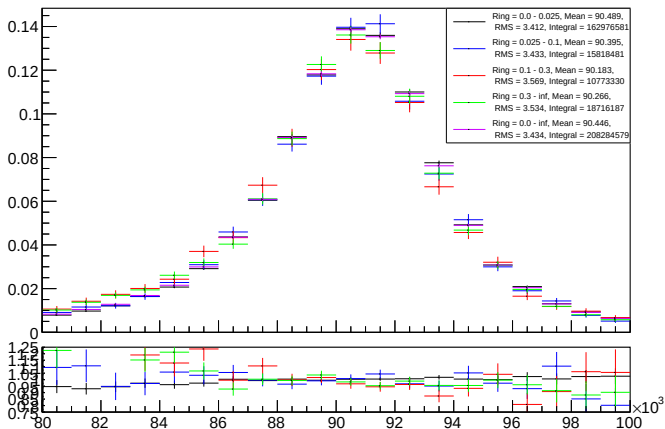
Invariant Mass - Barrel-Barrel - Ring 1 (0.0 - 0.025)

Mass Distributions in Inner dR Ring (0.0 - 0.025)



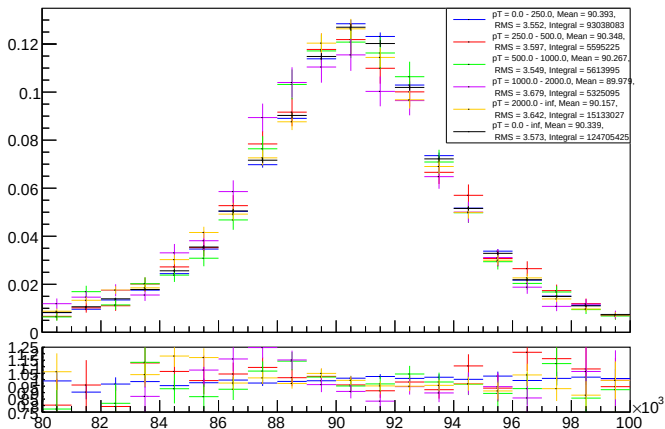
Invariant Mass - Barrel-Barrel - All Rings

Invariant Mass Distributions in All Rings



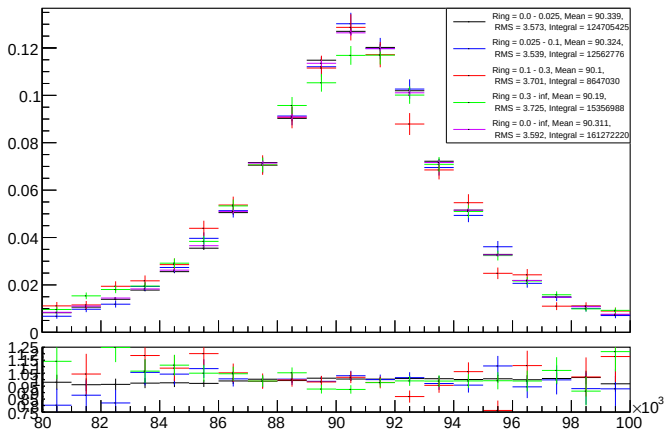
Invariant Mass - Barrel-Endcap - Ring 1 (0.0 - 0.025)

Mass Distributions in Inner dR Ring (0.0 - 0.025)



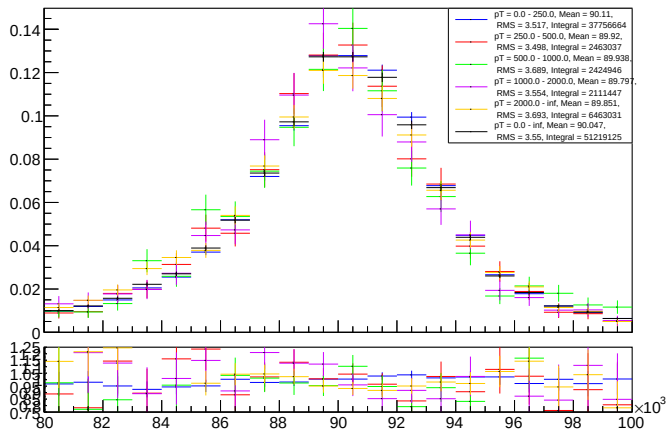
Invariant Mass - Barrel-Endcap - All Rings

Invariant Mass Distributions in All Rings



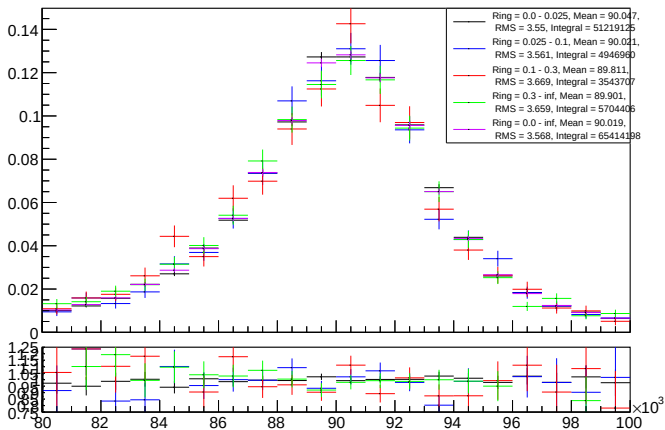
Invariant Mass - Endcap-Endcap - Ring 1 (0.0 - 0.025)

Mass Distributions in Inner dR Ring (0.0 - 0.025)



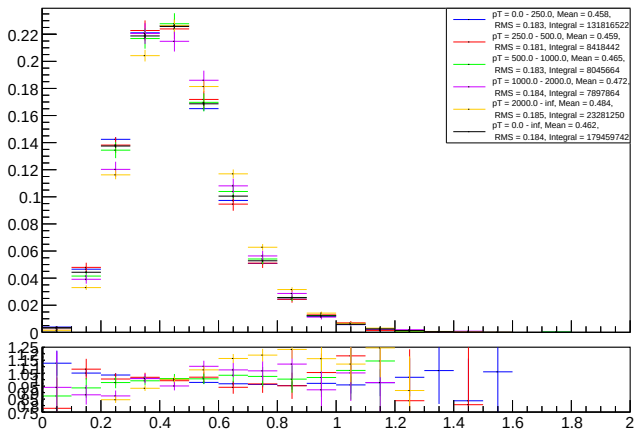
Invariant Mass - Endcap-Endcap - All Rings

Invariant Mass Distributions in All Rings



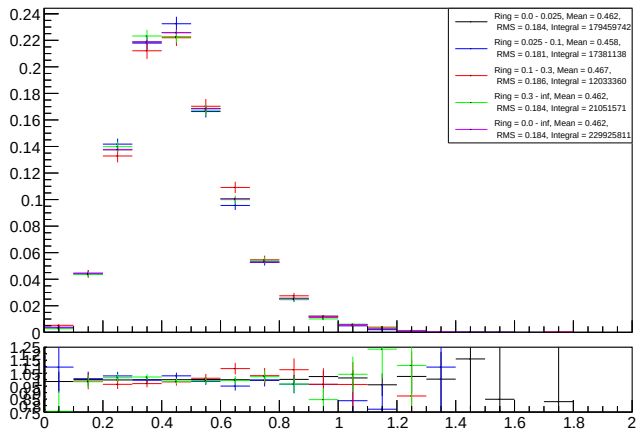
Layer 1 / Layer 2 - Barrel-Barrel - Ring 1 (0.0 - 0.025)

Layer 1 / Layer 2 Energy Distributions in Inner dR Ring (0.0 - 0.025)



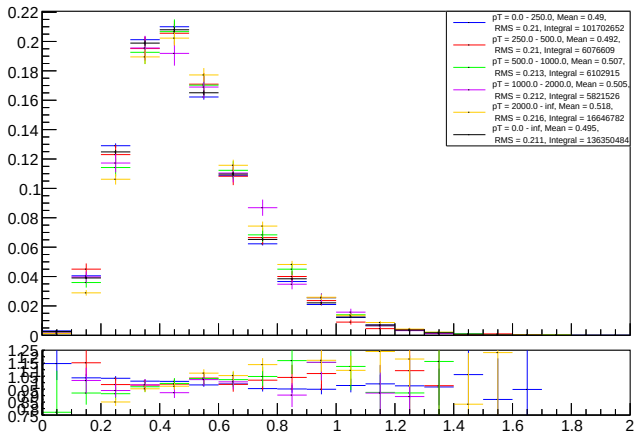
Layer 1 / Layer 2 - Barrel-Barrel - All Rings

Layer 1 / Layer 2 Energy Distributions in All Rings



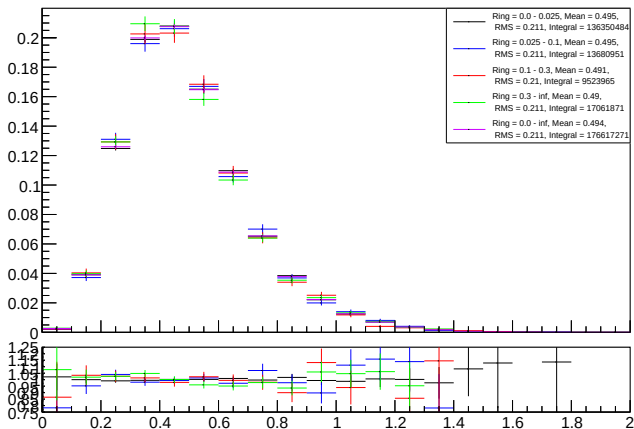
Layer 1 / Layer 2 - Barrel-Endcap - Ring 1 (0.0 - 0.025)

Layer 1 / Layer 2 Energy Distributions in Inner dR Ring (0.0 - 0.025)



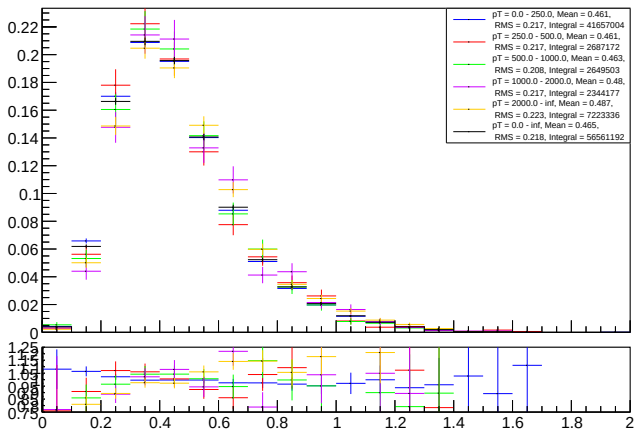
Layer 1 / Layer 2 - Barrel-Endcap - All Rings

Layer 1 / Layer 2 Energy Distributions in All Rings



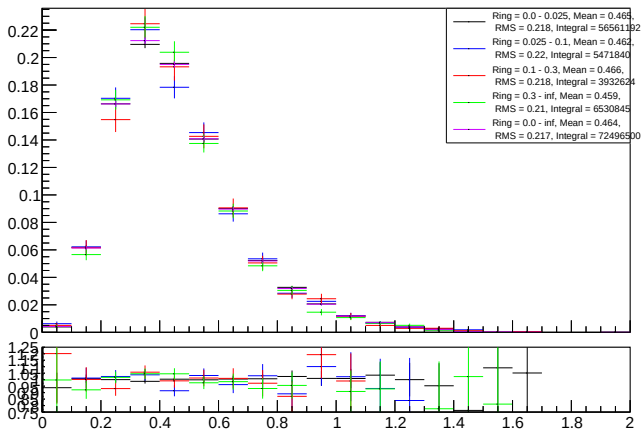
Layer 1 / Layer 2 - Endcap-Endcap - Ring 1 (0.0 - 0.025)

Layer 1 / Layer 2 Energy Distributions in Inner dR Ring (0.0 - 0.025)



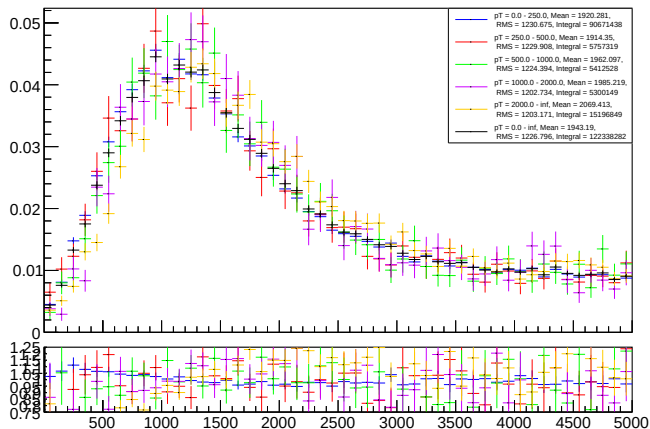
Layer 1 / Layer 2 - Endcap-Endcap - All Rings

Layer 1 / Layer 2 Energy Distributions in All Rings



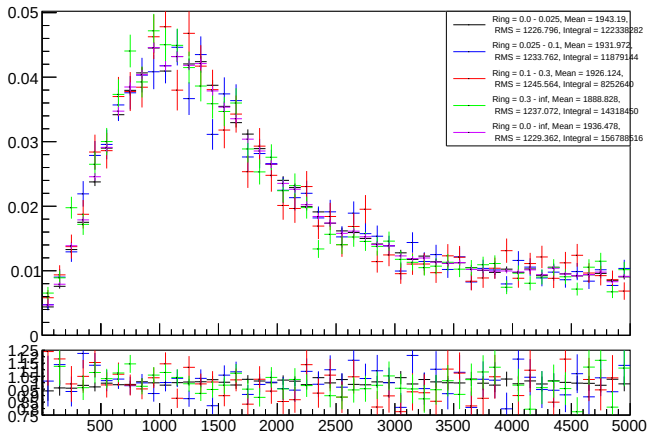
Layer 0 - Barrel-Barrel - Ring 1 (0.0 - 0.025)

Layer 0 Energy Distributions in Inner dR Ring (0.0 - 0.025)



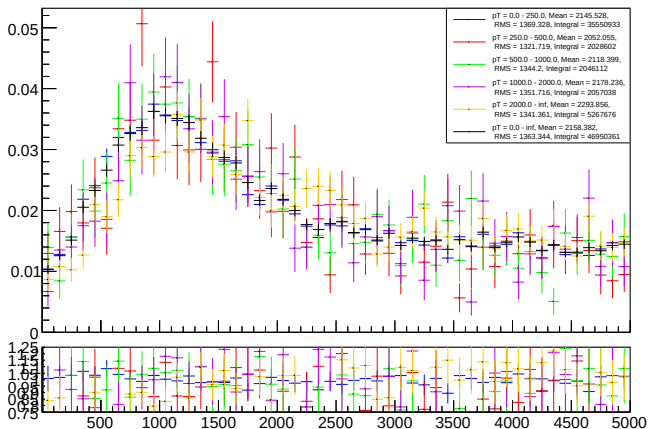
Layer 0 - Barrel-Barrel - All Rings

Layer 0 Energy Distributions in All Rings



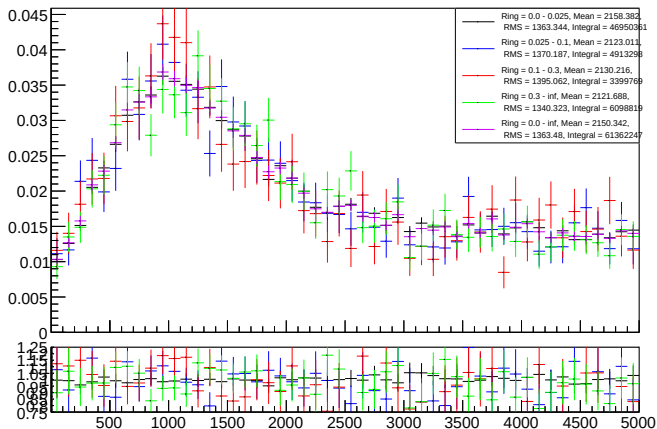
Layer 0 - Barrel-Endcap - Ring 1 (0.0 - 0.025)

Layer 0 Energy Distributions in Inner dR Ring (0.0 - 0.025)



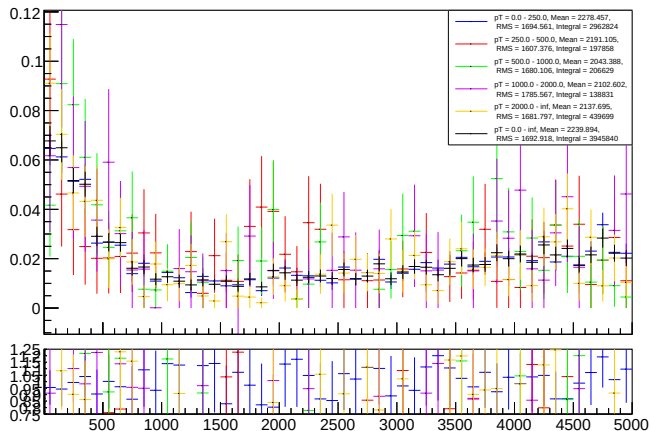
Layer 0 - Barrel-Endcap - All Rings

Layer 0 Energy Distributions in All Rings



Layer 0 - Endcap-Endcap - Ring 1 (0.0 - 0.025)

Layer 0 Energy Distributions in Inner dR Ring (0.0 - 0.025)



Layer 0 - Endcap-Endcap - All Rings

Layer 0 Energy Distributions in All Rings

