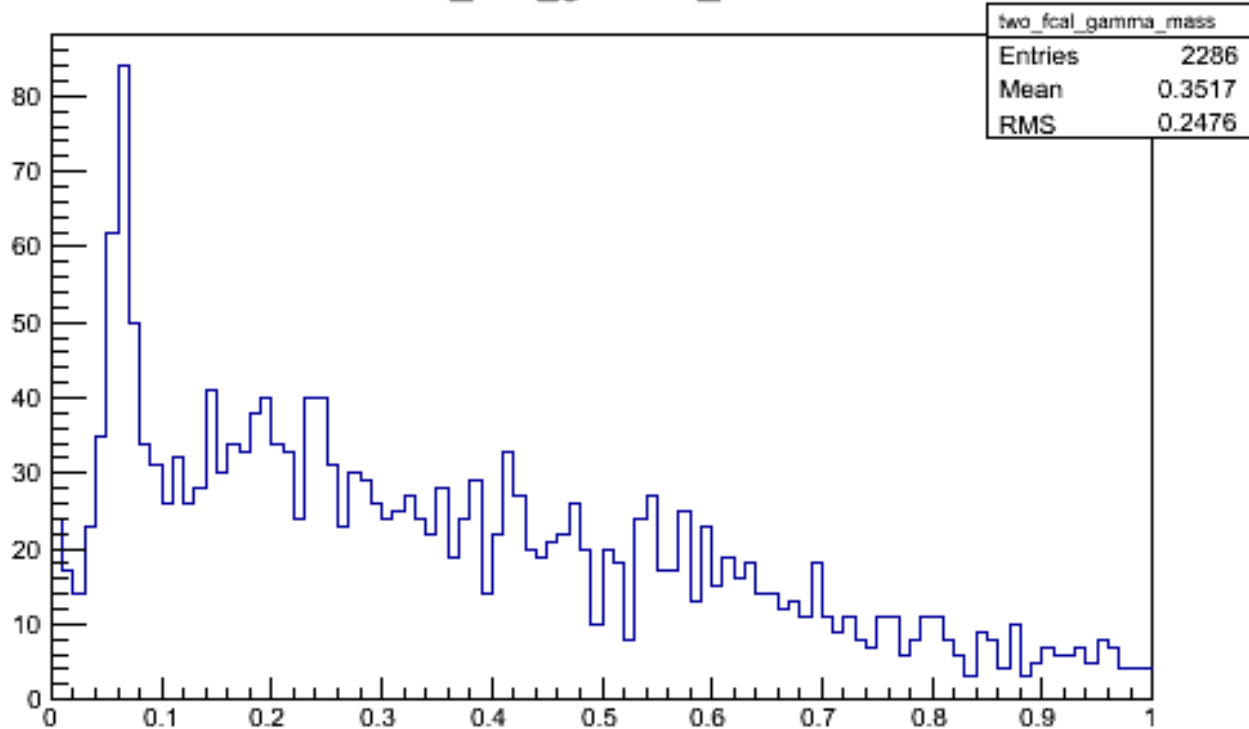


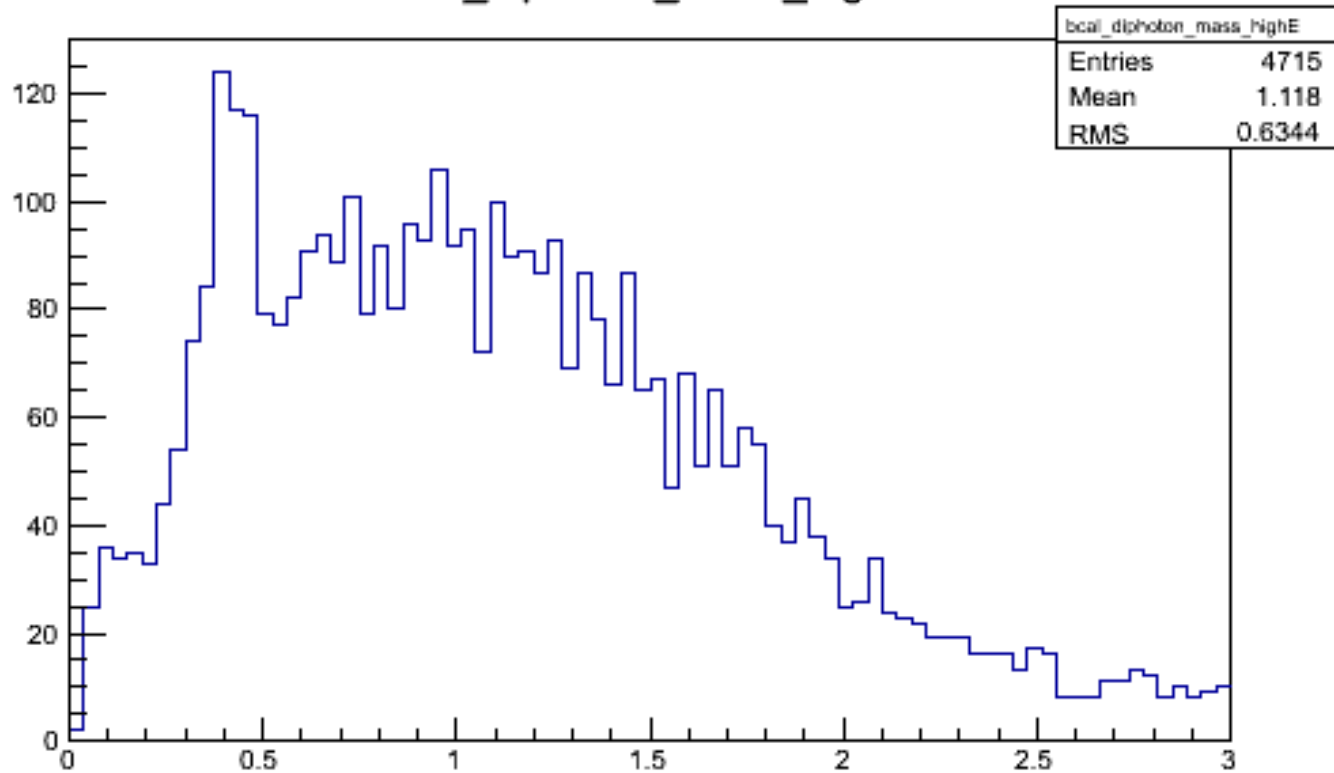
- Runs 1516_000,1516_001,1516_002,1516_005 (FCAL triggered)
- Cut on matching
- Both BCAL shower energies > 700 MeV
- $63.0\text{cm} < \text{vertex.z} < 67.0\text{cm}$
- $-15.0\text{cm} < \text{vertex.x} < 15.0\text{cm}$
- $-15.0\text{cm} < \text{vertex.y} < 15.0\text{cm}$

two_fcal_gamma_mass



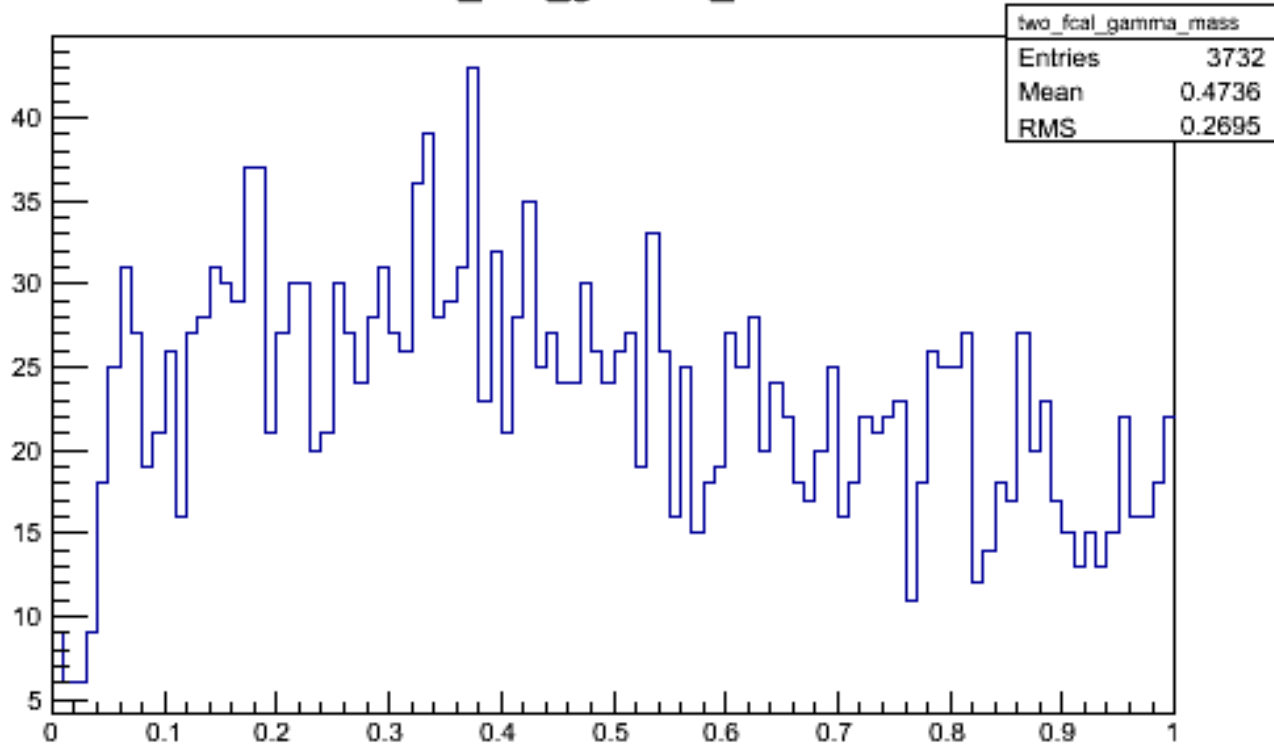
- Runs 1516_000,1516_001,1516_002,1516_005 (FCAL triggered)
- No cut on matching
- Both FCAL Shower energies > 500 MeV
- $62.0\text{cm} < \text{vertex.z} < 68.0\text{cm}$
- $-15.0\text{cm} < \text{vertex.x} < 15.0\text{cm}$
- $-15.0\text{cm} < \text{vertex.y} < 15.0\text{cm}$

bcal_diphoton_mass_highE



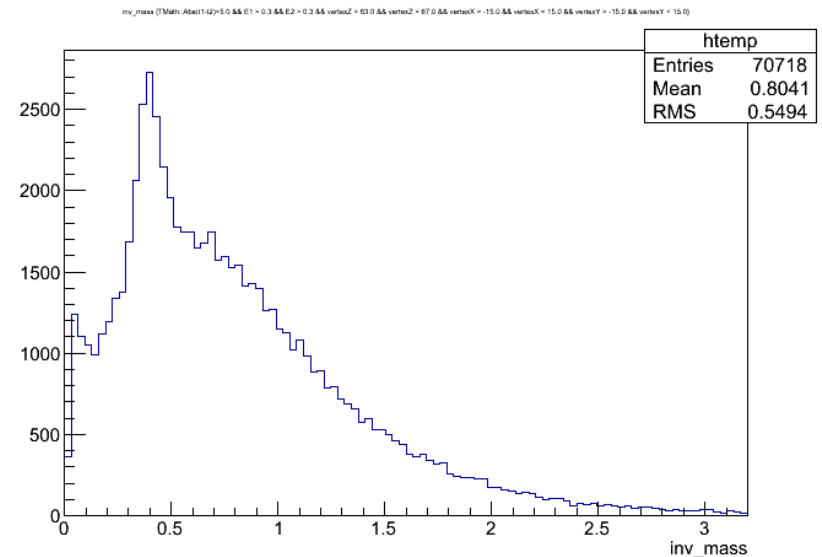
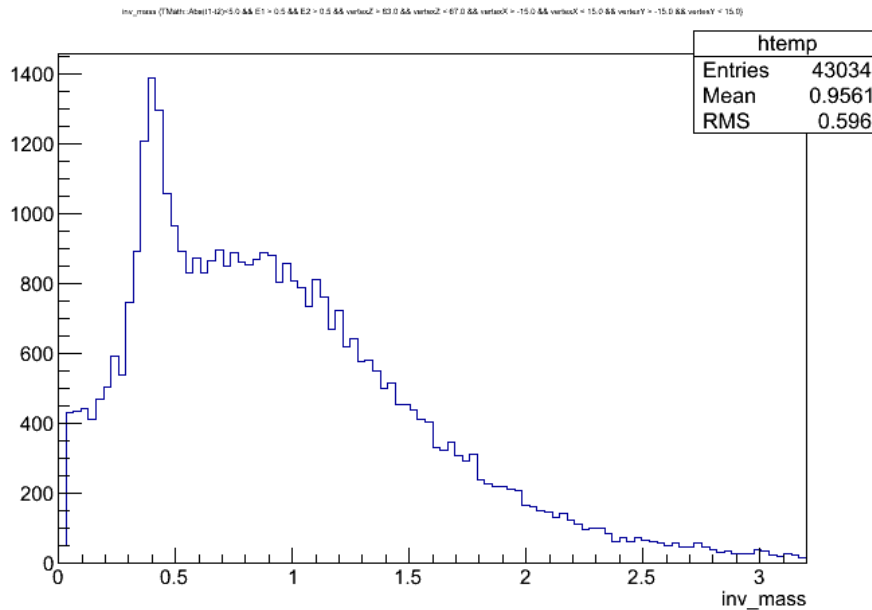
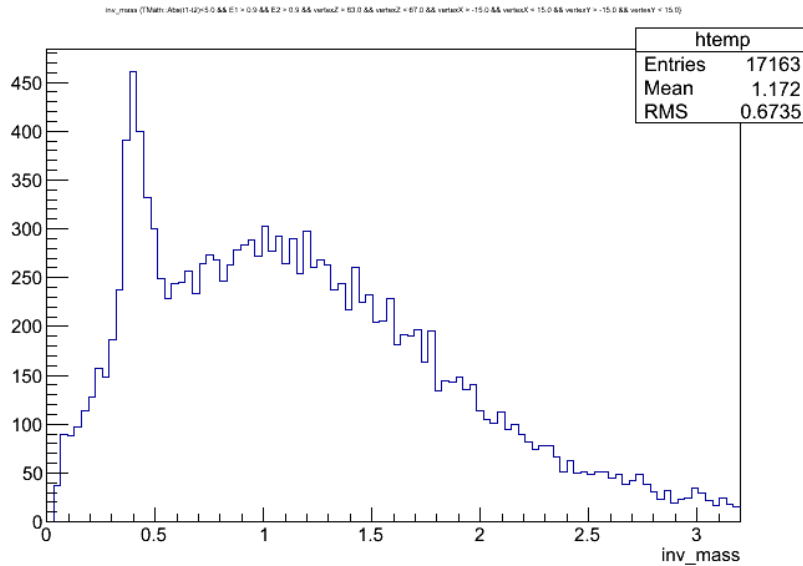
- Runs 1603_000,001,003,004,005,006,008 (BCAL triggered)
- Cut on matching
- Both bcal showers > 700 MeV
- $63.0\text{cm} < \text{vertex.z} < 67.0\text{cm}$
- $-15.0\text{cm} < \text{vertex.x} < 15.0\text{cm}$
- $-15.0\text{cm} < \text{vertex.y} < 15.0\text{cm}$

two_fcals_gamma_mass

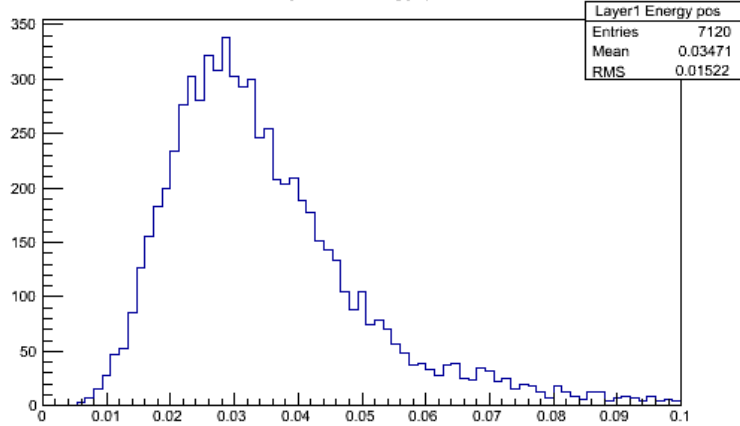


- Runs 1603_000,001,003,004,005,006,008 (BCAL triggered)
- Cut on matching
- Both fcals showers > 500 MeV
- $62.0\text{cm} < \text{vertex.z} < 68.0\text{cm}$
- $-15.0\text{ cm} < \text{vertex.x} < 15.0\text{cm}$
- $-15.0\text{cm} < \text{vertex.y} < 15.0\text{cm}$

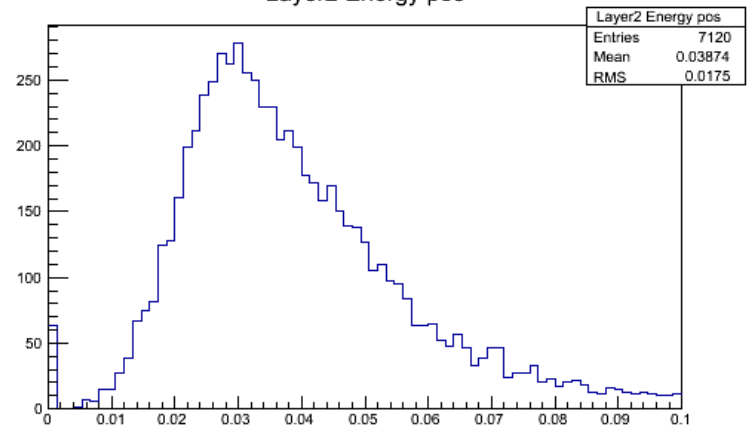
- More statistics
- Top left: showers > 900 MeV each
- Bottom left: showers > 500MeV each
- Bottom right: showers >300MeV each
- All: Shower times within 5ns
- All: 63.0cm < vertex.z < 67.0cm
- All: -15.0cm < vertex.z < 15.0cm
- All: -15.0cm < vertex.y < 15.0cm



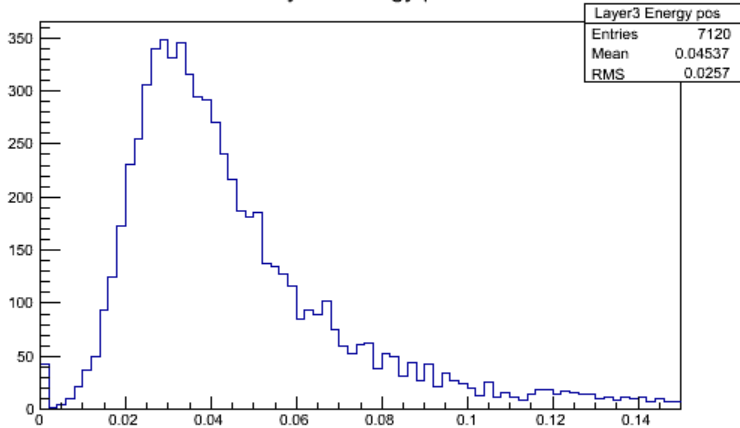
Layer1 Energy pos



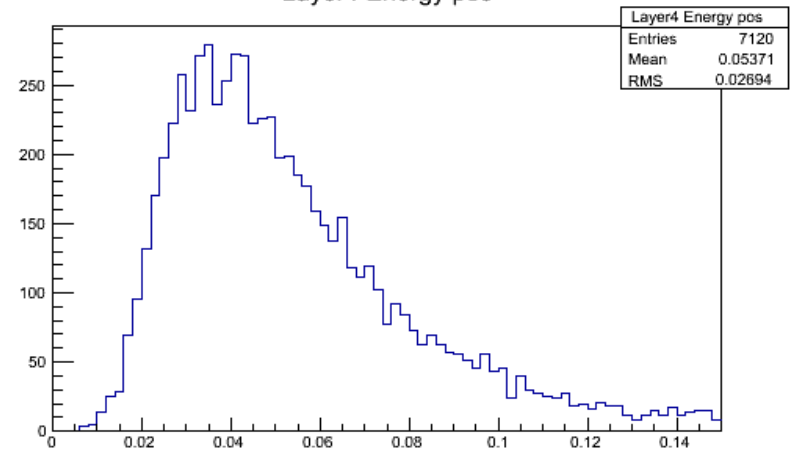
Layer2 Energy pos



Layer3 Energy pos

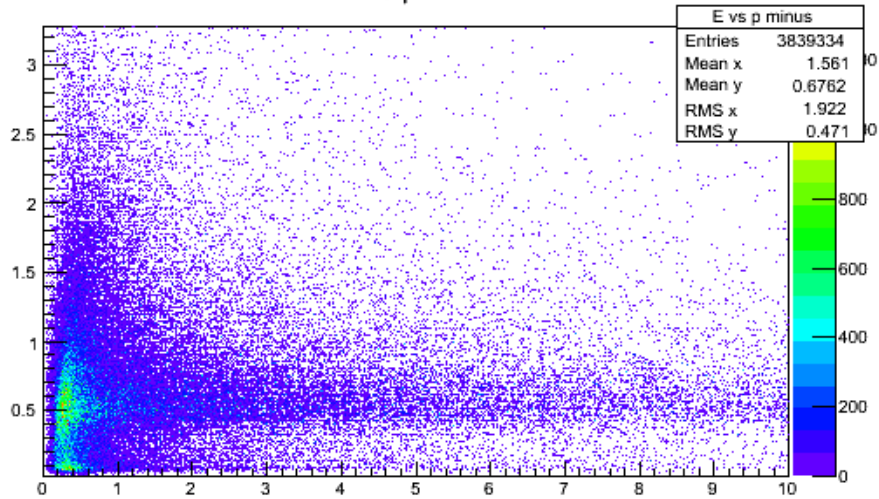


Layer4 Energy pos

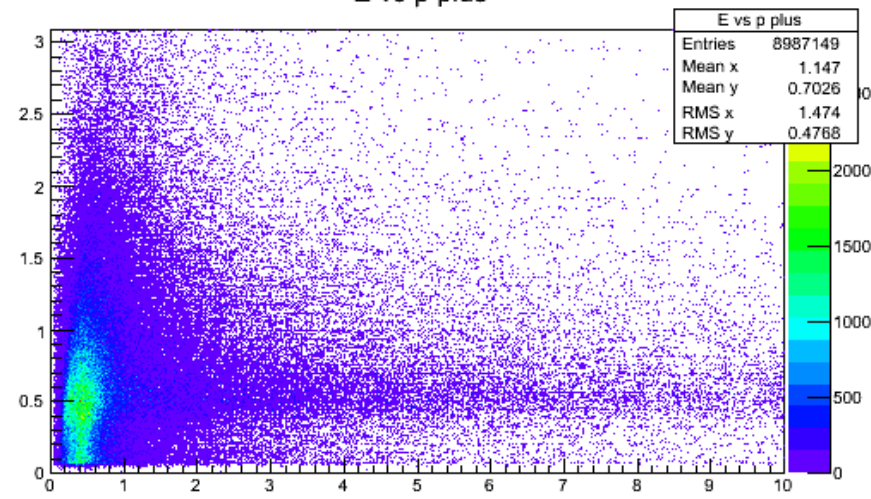


- Energy summed in each layer divided by path length
- Charged particles
- Require a hit in each layer
- Require energy in layer 1 < energy in layer 4

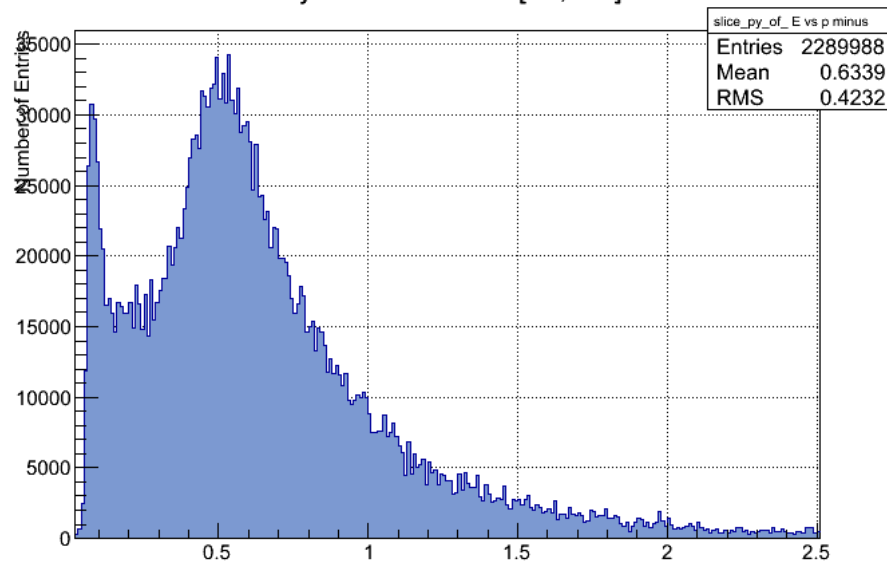
E vs p minus



E vs p plus



ProjectionY of binx=[14,113]



ProjectionY of binx=[524,623]

