

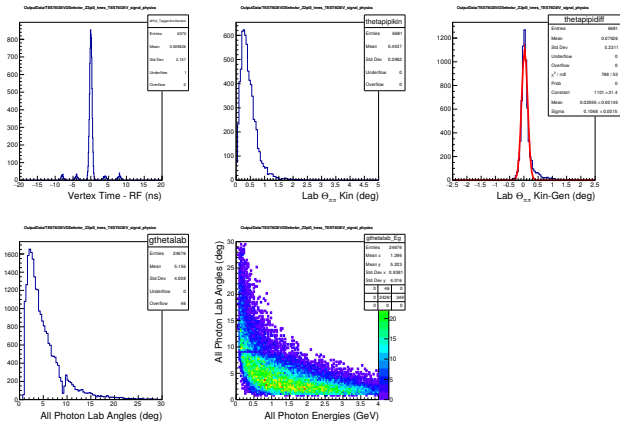
Neutral Pion Polarizability, MC

Benedikt Zihlmann

April 19, 2020

What Beam Energy does

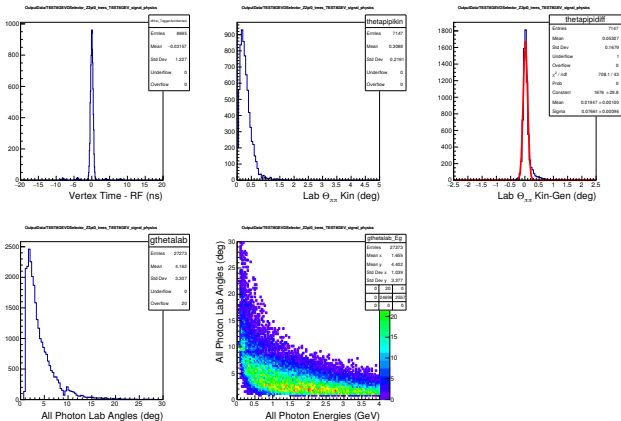
Photon beam energy peak at 6GeV, 4-gammas:



Look at angular distr. of the 4 gammas

What Beam Energy does

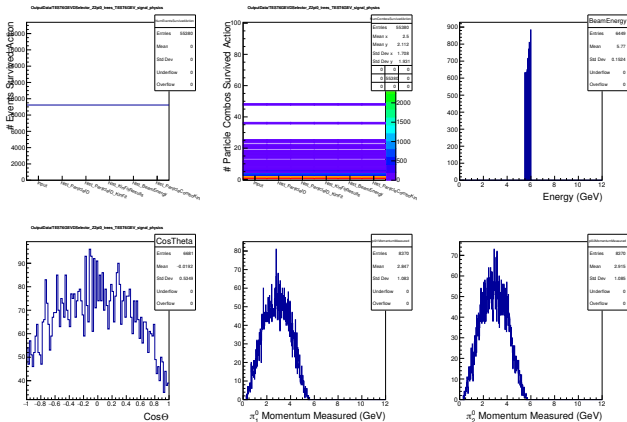
Photon beam energy peak at 8GeV, 4-gammas:



Look at angular distr. of the 4 gammas

What Beam Energy does

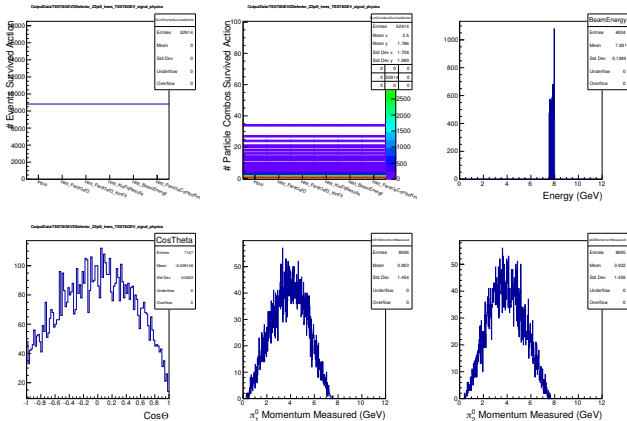
Photon beam energy peak at 6GeV, 4-gammas:



Look at $\cos(\theta)$ of 4-gamma system.

What Beam Energy does

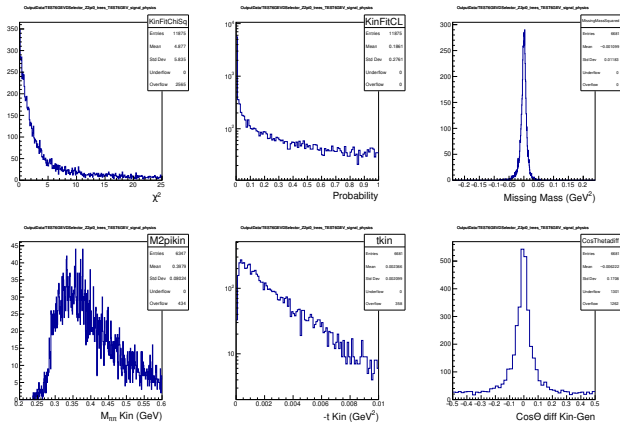
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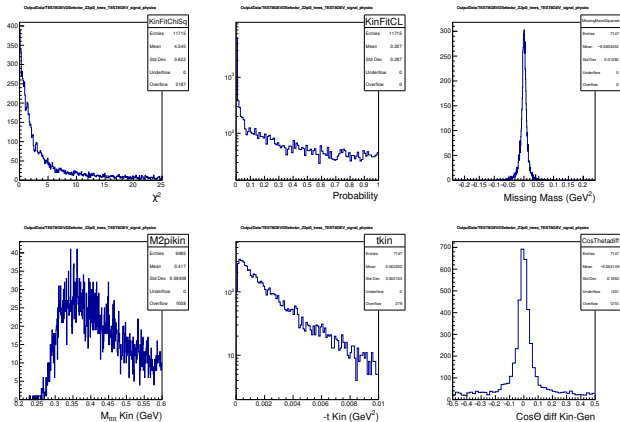
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Look at Inv. Mass of 4-gamma system.

What Beam Energy does

Photon beam energy peak at 8GeV, 4-gammas:



Look at Inv. Mass of 4-gamma system.