Central and Forward rapidity. η meson

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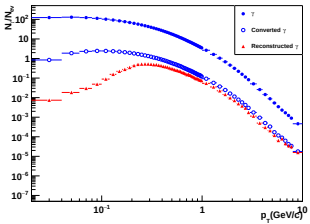
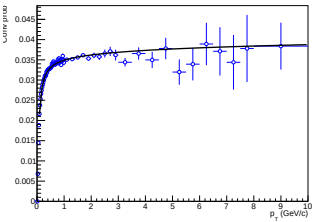
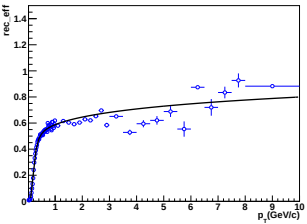
Simulation settings

- Full simulations of pp $\sqrt{s} = 14$ TeV using PYTHIA 8.2 in local HD cluster (2.2×10^6events generated)
- Analysis using MC information:
  Central: $|\eta| <$1.3 ($p_{\mathrm{T}} > 0.1$ GeV/c)
  Forward: 1.75$< |\eta| <$ 4 (p > 0.1 GeV/c)

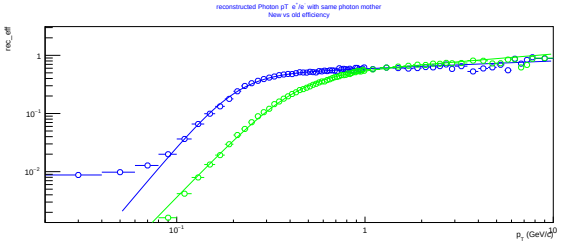
Central Barrel







Central Barrel. New Efficiency vs Old Efficiency



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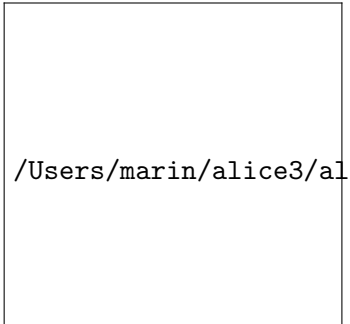
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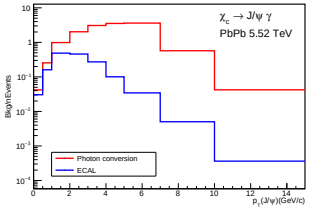
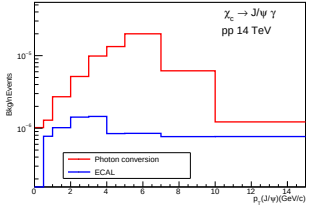
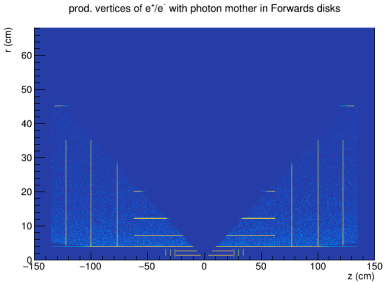
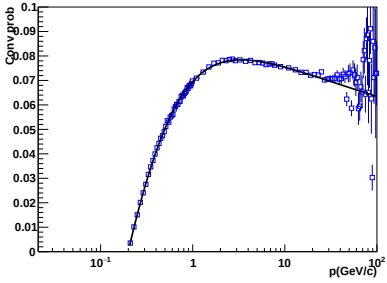

$\chi_c \rightarrow J/\psi\ \gamma$
PbPb 5.52 TeV
BkgN/Events
Photon conversion
ECAL
$p_T(J/\psi)$(GeV/c)


$\chi_c \rightarrow J/\psi\ \gamma$
pp 14 TeV
BkgN/Events
Photon conversion
ECAL
$p_T(J/\psi)$(GeV/c)

Forward Rapidity