

Analysis of ρ Photoproduction

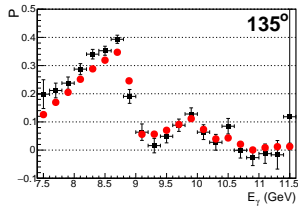
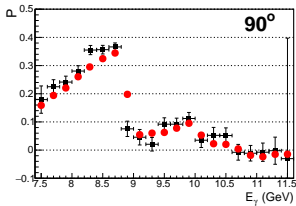
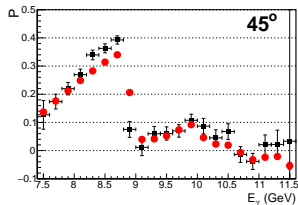
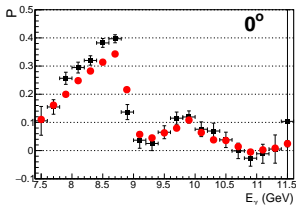
$$\gamma + p \rightarrow \rho + p$$

Alexander Austregesilo
JLab

January 22, 2018

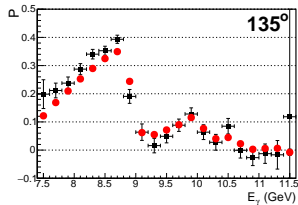
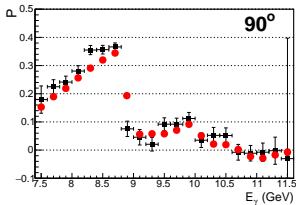
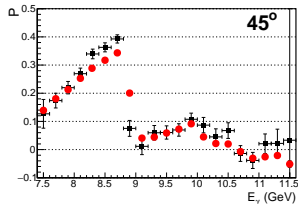
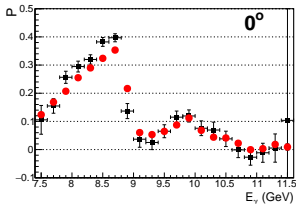
- 1 Comparison with latest TPOL values
- 2 Dependence of beam polarization on vertex position

$$\gamma + p \rightarrow \rho + p$$



2017-01 REST ver01

$$\gamma + p \rightarrow \rho + p$$

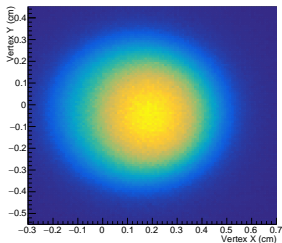


2017-01 REST ver02

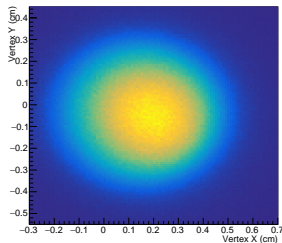
Vertex Distribution

2017-01 LI: REST ver02

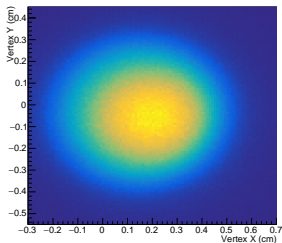
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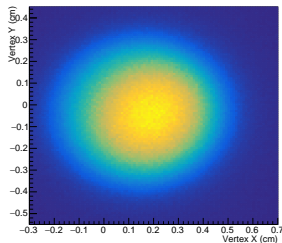
45



90

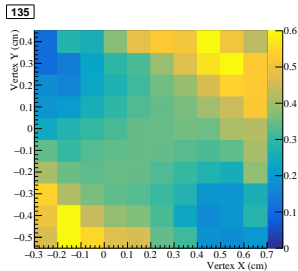
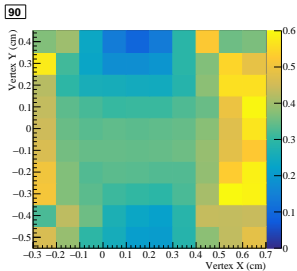
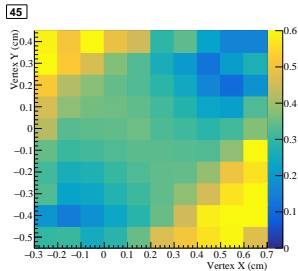
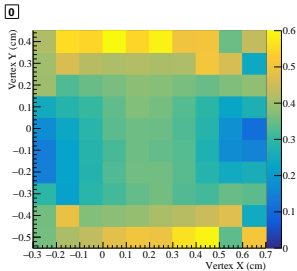


135



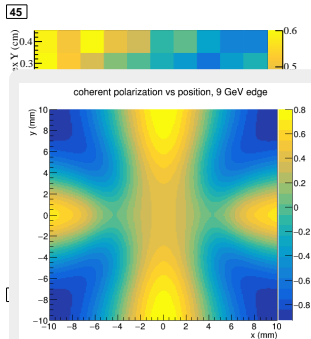
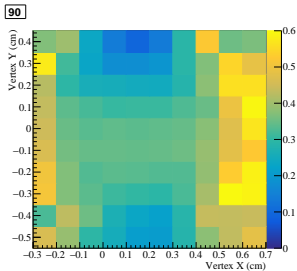
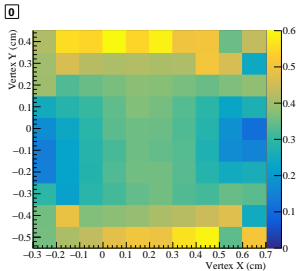
Polarization

$P\Sigma$ from ρ decay

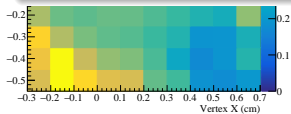


Polarization

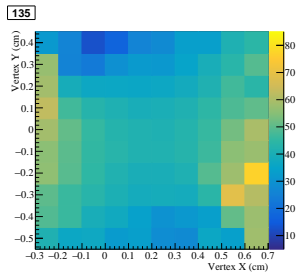
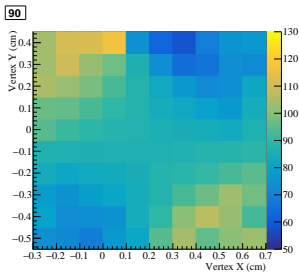
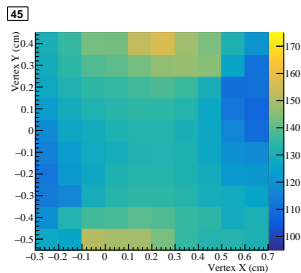
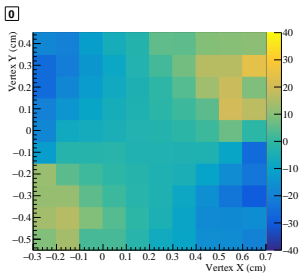
$P\Sigma$ from ρ decay



from R. Jones
(elog 3467516)



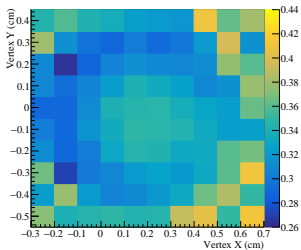
Phase

 $P\Sigma$ from ρ decay

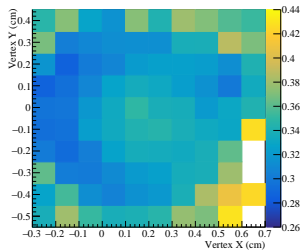
Asymmetry

$P\Sigma$ from ρ decay

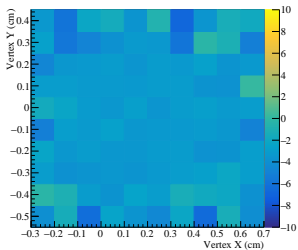
Asymmetry 0-90



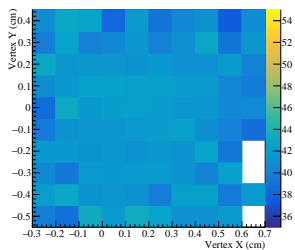
Asymmetry 45-135



Phase 0-90



Phase 45-135



Amorphous

$P\Sigma$ from ρ decay

Amorphous

