

# Looking for ${}^4\text{He}(\gamma, \rho^0 pp)$

- 3 positive tracks, 1 negative track, 0 neutral showers
- $\text{CL} > 0.05$
- Vertex cuts
- PID cuts
- GeV
- $k_{miss} > 0.4 \text{ GeV}$
- $0.3 < p_{rec} < 1.0 \text{ GeV}$
- $E_\rho + E_{lead} > 7 \text{ GeV}$
- $E_\gamma > 6 \text{ GeV}$
- $|E_\gamma + 2m_N - E_\rho - E_{lead} - E_{rec}| < 1 \text{ GeV}$
- $-t > 1 \text{ GeV}^2$

# Initial indications of ${}^4\text{He}(\gamma, \rho^0 pp)$ signal

