



Measurements of $\eta^{(\prime)}$
Transition Form Factor
from $\gamma p \rightarrow \eta (-\rightarrow e^+e^- \gamma) p$

- Physical motivation (e.g. $a_\mu = (g_\mu - 2)/2$, TFF radius)
- Signature and selection: exclusive $\gamma p \rightarrow p\eta^{(\prime)} (-\rightarrow e^+e^-\gamma)$
- Show Monte Carlo studies for η and η' and benchmark results from other experiments based on https://halldweb.jlab.org/wiki-private/images/3/31/EtaMeeting_June5_pdf.pdf

- Validation with real data using events in π^0 mass window
 - Compare resolution $e^+e^-\gamma$
 - Compare efficiencies from π^0
 - Hoping to also include detailed studies of $p\eta\pi^+\pi^-$ (larger xsection and better acceptance)

Last presentation:

https://halldweb.jlab.org/wiki-private/images/9/96/EtaMeeting_Aug1.pdf