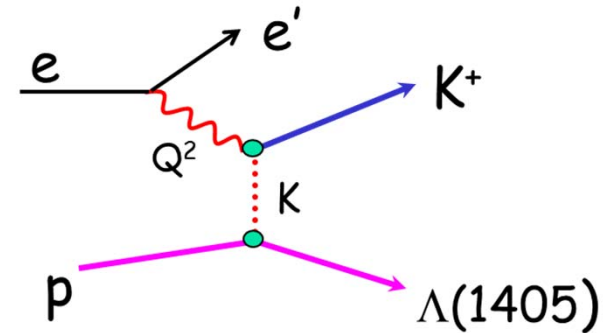
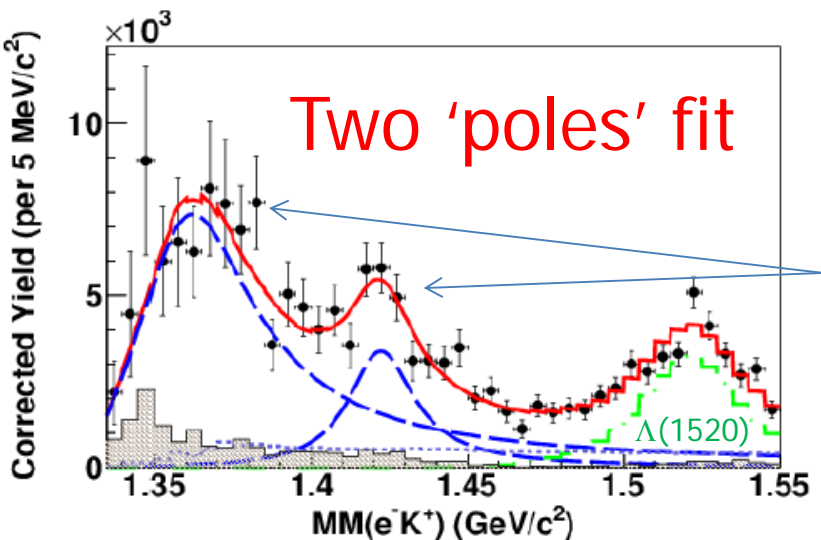
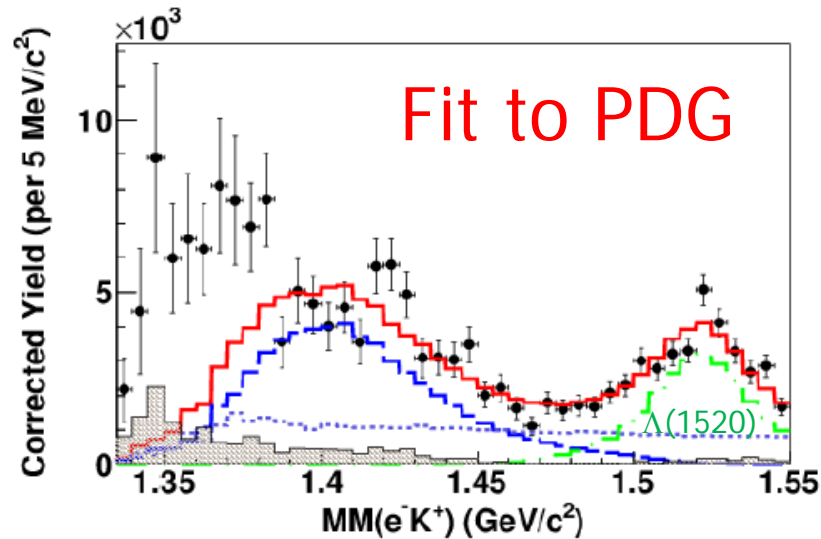


First Observation of the $\Lambda(1405)$ in Electroproduction



- $e + p \rightarrow e' + K^+ + \Lambda(1405)$;
 $\Lambda(1405) \rightarrow \Sigma^+ \pi^-$, $\Sigma^+ \rightarrow p \pi^0$
- Data: CLAS e1f , $1.0 < Q^2 < 3.0$ GeV
- Theory: none published
- PDG $\Lambda(1405)$ values fail utterly to fit
- Two-bump structure fits best
- Possible evidence for two $l=0$ poles
 - Supports chiral unitary models of $\Lambda(1405)$ structure

H.Y. Lu, R. A. Schumacher *et al.* (CLAS Collaboration), *First Observation of the $\Lambda(1405)$ in Electroproduction*, Physical Review C **88**, 045202 (2013).