$3.254 \text{ MeV}, f_{7/2}, \text{ spin } 3 --> S = 0.034 +- 0.007$  $d\sigma/d\Omega$  [mb/msr]  $10^{-3}$  $10^{-4}$  $10^{-5}$ Residuals 0.2 θ -0.2 $\theta_{\rm lab}$  [deg] 150 105 110 115 120 125 130 135 140 145