$0.728 \text{ MeV}, f_{7/2}, \text{ spin } 3 --> S = 0.081 +- 0.012$ $d\sigma/d\Omega$ [mb/msr] 10^{-3} 10^{-4} 10^{-5} Residuals 0.2 θ -0.2 -0.4150 105 110 115 120 125 130 135 140 145 155 θ_{lab} [deg]