Partial Wave Analysis

Data are binned in both m_X and $|t|$.

Fit to angular distributions to get Partial Waves.
Statistics are important.
Linear Polarization is important.

10^7 tagged photons per second (up to 10^8 /s)
Cross section for the $a_2(1320)$ is 0.5μb

30cm Liquid Hydrogen Target
10^7 seconds per year, 10% rec. eff.
Linear Polarization Separates Exchanges.

---> 5,000,000 a_2's per year!

Can see both m_x and $|t|$ dependences

Samples larger than current pion experiments.

Large Window of opportunity for discovery!