Abstract Submitted for the DNP15 Meeting of The American Physical Society

Electroexcitation of the $\Delta^+(1232)$ at low momentum transfer¹ NIKOLAOS SPARVERIS, Temple University — The study of the N to Δ transition has been a subject of intense scientific interest for many years. Measurements of the pion electroproduction and VCS channels allow the exploration for non-spherical angular momentum amplitudes in hadrons through the measurement of the transition quadrupole amplitudes, while the VCS channel also provides access to the generalized polarizabilities of the nucleon. Results from the recent JLab/Hall-A and MAMI experiments will be presented and future prospects will be discussed.

¹This work is supported by the National Science Foundation award PHY-1305536.

Nikolaos Sparveris Temple University

Date submitted: 16 Jun 2015 Electronic form version 1.4