The structure and dynamics of the nucleon are still far from well understood or fully mapped out. Within the A2 collaboration at the Mainzer Mikrororon (MAMI) in Mainz, Germany, at the Triangle Universities Nuclear Laboratory (TUNL) in North Carolina and at MAX-Lab at Lund in Sweden, programs are underway to investigate the electromagnetic polarizabilities of the nucleon through Compton Scattering of real photons.

We will look at the story, so far, of the struggle to understand the structure of the nucleon, what the electromagnetic polarizabilities are, and how one technically goes about measuring them, with a focus on the work carried out at MAMI. We will then look at some preliminary results and examine the future prospects in general in this field of strong theoretical interest, and great experimental challenges.

TIME: 4:00-4:50 pm, Tuesday the 19th of April 2011
(refreshments: 3:45pm)
PLACE: 101 Corcoran Hall, GWU
725 21st Street, N.W. (Between G and H Streets)
METRO STATION: GWU/FOGGY BOTTOM (BLUE & ORANGE LINES)