

Overview about recent results from the A2 real photon facility at MAMI

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The A2 Collaboration at the Mainz Microtron MAMI measures photon absorption cross sections using circularly and linearly polarized 'Bremsstrahlung' photons up to an energy of $\sim 1.5\text{GeV}$ and a polarized Frozen Spin Target. We use a 4π detection system with the 'Crystal Ball' as central part.

One important experimental topic is the investigation of the nucleons excitation spectrum. Measurements with both longitudinally and transversely polarized protons and deuterons are essential to disentangle the broad and overlapping resonances. Several recently published data for single and double polarization observables will be presented.

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