

# Compton scattering off the proton in the resonance region

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Compton scattering off the proton in the third resonance region is analyzed, owing to the full combined analysis of pion- and photo-induced reactions in a coupled-channel effective Lagrangian model with K-matrix approximation. Two isospin  $I=3/2$  resonances  $D_{33}(1700)$  and  $F_{35}(1930)$  are found to be essential in the range of 1.6 - 1.8 GeV. The recent beam asymmetry data of Compton scattering from the GRAAL facility are used to determine the helicity couplings of these resonances, and strong constraints are coming also from  $\pi N$  and  $K\Sigma$  photoproduction data. The possible spin and parity of new narrow resonances is discussed.

**Authors:** Dr CAO, Xu; Prof. LENSKE, Horst

**Presenter:** Dr CAO, Xu

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