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Electromagnetic transition form factors of light mesons

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Electromagnetic transition form factors are determined via meson decays into final states with dileptons. Form factors are evaluated as a function of the momentum transfer which is identical to the invariant mass of the dileptons. The results provide basic knowledge of the structure of hadrons and address the validity of vector meson dominance. Transition form factors are of renewed interest on account of the impact on the interpretation of the $g-2$ measurements. Here, light-by-light scattering is an important factor.

This talk will present experimental results from the concluded experiments WASA at COSY and CLAS6 at Jefferson Lab.

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Session Classification: Hadron structure, spectroscopy and dynamics