

# Interactions of light mesons with photons

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## Collaboration

## Abstract content

It is pointed out why a good understanding of the electromagnetic properties of light mesons is mandatory to explore the structure of hadrons, but also to improve the Standard Model predictions for quantities like  $g - 2$  of the muon or the rare decay of pseudoscalars to a dilepton [1]. Recent results for meson transition form factors, two-photon reactions and related quantities are shown [2,3,4].

[1] E. Czerwinski et al., MesonNet Workshop on Meson Transition Form Factors, e-Print: arXiv:1207.6556 [hep-ph] [2] C. Terschluesen, B. Strandberg, S. Leupold, F. Eichstaedt, Eur.Phys.J. A49 (2013) 116 [3] I.V. Danilkin, M.F.M. Lutz, S. Leupold, C. Terschluesen, Eur.Phys.J. C73 (2013) 2358 [4] C. Terschluesen, S. Leupold, Phys.Lett. B691 (2010) 191

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