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## **Meson Transition Form Factors**

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The electromagnetic transition form factors (TFFs) of the light mesons provide a unique laboratory to test fundamental aspects of hadron physics. The TFF describes the coupling between the meson and photons and hence provides a probe of the intrinsic electromagnetic structure of the meson. High statistics measurements of pseudoscalar meson TFFs also play a role for the precision frontier of the Standard Model as they are needed to describe the hadronic Light-by-Light scattering contribution to the Standard Model calculation of the anomalous magnetic moment of the muon.

The TFFs depend on the momentum transfer of the two photons,  $q_i^2$  (i=1,2), and therefore it is important to measure in both space-like ( $q_i^2<0$ ) and time-like ( $q_i^2>0$ ) regions. This has been achieved through a variety of measurements at meson factories and in heavy ion collisions. This presentation will review the current experimental status and summarise the available measurements of the light meson TFFs.

## Collaboration

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