

Introduction to the Dispersive HVP Session

Focus of session: Existing tensions among the experimental $e^+e^- \rightarrow \pi^+\pi^-$ measurements

KLOE / BaBar / BESIII / CMD3 ; CMD2 / CMD3 ; ...

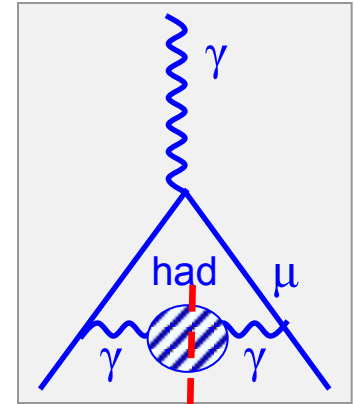
→ Tensions in other hadronic channels (see e.g. new measurement from BELLE-II for 3π)

→ Status / plans for ongoing / future measurements

Reports from: BaBar; BELLE-II; BESIII; CMD2 / CMD3; KLOE; SND

→ Status of Monte Carlo generators, comparisons with data, relevance for the various measurements

→ Extra ISR/FSR photons in data & simulation: impact in the context of the measurements / observed tensions



Topics for discussion from the April mini-workshop:

→ How many new experimental results to be expected by fall 2024 (deadline for new WP) ?

How to deal with a new HVP-dispersive result in case of no (new published) result ?

→ How to deal with the present discrepancies ?

→ Can the issue of additional radiative corrections be clarified for the WP ?

→ Importance to apply blinding mechanisms to make results credible !!!