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## Compatibility between $e^+e^-$ and tau decay data in the di-pion channels and implications for $a_\mu^{\text{SM}}$

*Thursday, 11 July 2024 17:55 (20 minutes)*

We examine the compatibility of the different data sets of  $e^+e^- \rightarrow \pi^+\pi^-$  and  $\tau^- \rightarrow \pi^-\pi^0\nu_\tau$  accounting for the required isospin-breaking between both sources of input to  $a_\mu^{\text{HVP,LO}}[\pi\pi]$ , which is responsible for the current conundrum in the data-based SM prediction of  $a_\mu$ .

### session

K. Precision and New Physics

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