

# Corrections to Dashen's theorem from lattice QCD and quenched QED

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We use our  $N_f=2+1+1$  staggered lattice QCD configurations to compute the corrections to Dashen's theorem and the quark mass ratio  $m_u/m_d$ . We use quark masses around their physical values, and reach the continuum limit using 5 different lattice spacings. We use the QED\_L formulation, and include the QED and u-d mass difference effects in the valence sector.

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