

Institutsseminar Kern- und Hadronenphysik

Nov. 11, 2019 at 2 p.m. c.t.
HS Kernphysik, Becherweg 45

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Electromagnetic transitions between vector- and pseudoscalar mesons

We construct a chiral effective Lagrangian for e.-m. transitions between vector and pseudoscalar mesons (PVgamma).

Based on an organization scheme in $1/N_c$ and the quark masses, we fit up to 12 decays and compare the results of our model with the experimental values given in PDG2018.

We will extend our framework to the Dalitz decays $PV\ell^+\ell^-$ and compare the calculated decay rates and transition form factors with recent experimental results.