

On the definition of schemes for computing leading order isospin breaking corrections

Tuesday, July 24, 2018 6:45 PM (2 hours)

We propose a particular 'line of constant physics' (i.e., a scheme) for computing isospin breaking corrections to hadronic quantities. We show this scheme is in a class of schemes that allow for the separation of the electromagnetic and strong isospin breaking corrections at leading order, such that scheme-ambiguities are higher order in isospin breaking effects.

Primary author: Dr BUSSONE, Andrea (IFT, UAM-CSIC)

Co-authors: WALKER-LOUD, Andre (LBNL); Prof. DELLA MORTE, Michele (CP3-Origins); Dr JANOWSKI, Tadeusz (University of Edinburgh)

Presenter: Dr BUSSONE, Andrea (IFT, UAM-CSIC)

Session Classification: Poster reception

Track Classification: Standard Model Parameters and Renormalization