

Lepton-nucleus interactions within the spectral function approach

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The advent of high precision measurements of neutrinos and their oscillations calls for accurate predictions of their interactions with nuclear targets utilized in the detectors.

Achieving a comprehensive description of the different reaction mechanisms active in the broad range of energy relevant for oscillation experiments is a formidable challenge for both particle and nuclear Physics.

I will present an overview of recent developments in the description of electroweak interactions within the spectral function approach and discuss the future perspectives to support the experimental effort in this new precision era.

Working group

WG2

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