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| *EWBox project for the Hadronic Physics Initiative - Horizon2020* |
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| Abstract |
| We propose to extend the existing MAID analysis to the electroweak probe to include neutrino-induced meson production. The application of this novel analysis is three-fold: to constrain the background due to inelastic processes to neutrino oscillation measurements with short base-line neutrino scattering; To be used in the MC event generators in neutrino experiments; to be used as input in calculations of EW box diagrams that are main non-experimental sources of uncertainties in precision tests of the Standard Model. |