

MCEq: latest updates and future roadmap

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We would like to present the latest updates and future roadmap of MCEq (Matrix Cascade Equations), the atmospheric lepton flux modeling tool. MCEq now supports the newest hadronic interaction models (SIBYLL-2.3e, QGSJet-III, EPOS-LHC-R), updated cross-sections, and improved low-energy fluxes in the GeV range. With MCEq seeing growing popularity across the neutrino telescope community, this presentation aims to inform users about the current state and planned developments, and to gather feedback that shapes our priorities.

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