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## Prompt neutrinos from heavy flavors

*Tuesday 8 August 2017 14:00 (30 minutes)*

Neutrinos from charmed hadrons produced by cosmic ray interactions with air nuclei are the main background to high energy astrophysical neutrino flux measurements. Recent evaluations of the prompt neutrino flux from charm will be reviewed, including approaches using next-to-leading order QCD, the dipole model and kT factorization. Nuclear corrections and the impact of multi-component models of the incident cosmic ray flux will be discussed.

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**Session Classification:** Neutrinos

**Track Classification:** Neutrinos (astrophysical, atmospheric)