



Poster session 2 – Tuesday 5 July

P2.029 Calculation of Atmospheric Neutrino Flux with Recent Observation of Primary Cosmic Rays

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We update the primary cosmic ray model for the calculation of atmospheric neutrino flux, according to the recent measurement of cosmic rays by AMS02 and others. This update causes a change of our predicted atmospheric neutrino flux. But the change is limited with the condition that the atmospheric muon flux should also be reproduced with our calculation. The study of solar modulation of primary of also improved. We study the variation of atmospheric neutrino flux with the solar modulation of primary cosmic rays.