

Hadro-production measurements for the T2K experiment with the NA61/SHINE detector at the CERN SPS

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In this talk the NA61/SHINE detector will be presented, which is a large acceptance hadron spectrometer at the CERN SPS. It allows for a precise study of the particle production from the interactions of a 31 GeV/c proton beam on a Carbon target in order to predict the neutrino flux of the T2K experiment at J-PARC, Japan. Requirements for the T2K experiment will be discussed together with the ongoing NA61 measurements. In particular preliminary NA61 cross section measurements from the 2007 pilot run will be shown.

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