

## **Cross-sections of hadron production by 3-15 GeV/c beams of protons and charged pions.**

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Precise measurements of hadron production on nuclear targets are vital for the design of a future neutrino factory and important for the tuning of hadron generators such as Geant4. The hadron yield must be known as a function of the energy and the production angle of the secondary particles. We report on HARP-CDP measurements of double-differential inclusive cross-sections of pion, proton and deuteron production on Beryllium, Copper and Tantalum targets, by beams of protons and charged pions in the momentum range between 3 and 15 GeV/c. Our studies show that cross-sections published by the “HARP Collaboration” are wrong by factors up to two.

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