

Exclusive light meson production at the LHC

Friday 29 September 2017 09:00 (30 minutes)

GenEx - a new Monte Carlo tool for exclusive light meson production will be presented. This tool is being developed by our group and is complementary to the existing MC generators. The generator is self-adapting to the provided matrix element and acceptance cuts. The modular structure of the code, designed for easy process implementation, will be shown. As an example, the exclusive production of pions (continuum plus resonances) will be discussed. This includes predictions for polarized (LHC energies) and non-polarized (RHIC) proton-proton collisions for scalar, vectorial and tensorial Pomeron models.

Relevant topics

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