Contribution ID: **7**   Type: **not specified**

A new extraction of di-hadron fragmentation functions, from BELLE e^+e^- data at $\sqrt{S} = 10.58$ GeV.

Wednesday, 11 June 2025 12:00 (35 minutes)

Di-hadron fragmentation functions represent an alternative method for extracting the transversity PDF, complementary to the Collins effect.
However, data on unpolarized inclusive cross sections for charged di-hadron production have only become available recently.
In this talk, I will present a new extraction of the unpolarized di-hadron fragmentation functions up to NNLO accuracy, carried out in collaboration with Paris-Saclay, using both a model-inspired and a neural network parameterization.

Primary author: POLANO, Luca (Istituto Nazionale di Fisica Nucleare)

Presenter: POLANO, Luca (Istituto Nazionale di Fisica Nucleare)

Session Classification: Fragmentation functions: Phenomenology