



Contribution ID: 120

Type: **not specified**

## Transverse Momentum Effects in $e+e-$ inclusive single-hadron production

*Thursday, 14 December 2017 12:15 (25 minutes)*

Transverse momentum dependent fragmentation functions (TMD FFs) contain essential information about hadronization. The non-perturbative ingredients of TMD FFs, should be inferred from phenomenological analyses of SIDIS and  $e+e-$  annihilation data. For this purpose, it is fundamental to have at our disposal measurements that allow to decouple different regimes of physics and the effects resulting from different kinematical variables. One possibility for a clean extraction of the unpolarized fragmentation function, is the study of the single hadron production from  $e+e-$  annihilation data. In this talk, I will present the results of a phenomenological analysis on existing one-hadron production data, in which we explore which effects may be connected to TMD physics.

**Primary author:** GONZALEZ HERNANDEZ, Jose Osvaldo (INFN Turin)

**Presenter:** GONZALEZ HERNANDEZ, Jose Osvaldo (INFN Turin)

**Session Classification:** Session IV-b