

## Welcome to NICA days 2019 and IVth MPD Collaboration Meeting in Warsaw



Contribution ID: 3

Type: **not specified**

### Particle identification based on combined information from ToF and TPC

*Friday, October 25, 2019 9:50 AM (10 minutes)*

A new approach to particle identification based on four methods including:

- $dE/dx(p_{total})$
- $\beta(p_{total})$
- $m^2(p_{total})$
- $m^2(dE/dx)$

This method takes advantage of Monte Carlo data to create templates for aforementioned distributions. The templates are then used to determine given track's identity.

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**Session Classification:** TeFeNICA Session

**Track Classification:** TeFeNICA Student's Session