Contribution ID: **165**   Type: **Oral talk (15 min + 5 min questions)**

MCDST: A UNIFIED STORAGE FORMAT FOR HEAVY ION COLLISION SIMULATED DATA

Tuesday, 12 July 2022 18:30 (20 minutes)

Each Monte Carlo generator used for heavy-ion collision simulations has a specific output form of simulated events. This fact complicates data storage and prevent standardization of processing data generated considering different models.

The McDst format is implemented to work around this. The format allows to store and smoothly read simulated data, that obtained from different generators, for analysis performance. To take advantage of the McDst unified approach a set of convertors for popular MC generators output formats is also implemented. Discussed programming solution is developed in C++ using ROOT libraries.

In this talk, the architecture of the McDst format is presented. A quick start guide to ease simulated data processing is also provided.

The speaker is a student or young scientist

Yes

Section

1. Intermediate and high energies, heavy ion collisions

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