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Development of an approach for serialization of the different data types to the Unified Database

BM@N - Baryonic Matter at Nuclotron is a fixed target experiment that is part of NICA (Nuclotron-based Ion Collider fAcility). This experiment is dedicated to study ion collisions to study properties of the equation-of state (EoS) of dense nuclear matters. This EoS plays crucial role for understanding nature of neutron stars and collapses of supernovae.
First technical run of BM@N took place in 2015. Those data consist of many files with different formats. There are also data from simulations. Managing such amount of data require special framework.
Unified Database is a tool for managing data in experiment. This tool base on central database that contains information about places where files with interesting data and all dependencies between files. Also Unified Database provide interface to those data by C++ interface and web interface. C++ interface might be used to get information by BmnROOT framework used in analysis, whereas web interface is a good tool for reading and changing data by users.

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