

Development of services for the condition database of the BM@N experiment at NICA

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The condition database of the BM@N experiment, the first experiment of the NICA megaproject, is used as a central location for storing vital experiment metadata, including session and run information, detector and subsystem parameters, and description of simulated event files. For an effective work with the database in the existing software environment, a set of various tools and services are required. In the report the implementation of two services for the information system is discussed, specifically a tool for transferring condition information from text, CSV, and XML formats to the condition database, and a REST API service to provide access to condition database records from other BM@N software systems. It will be shown how both tools improve overall degree of database integration and user experience.

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