

Simulation of MPD trigger system for MPDRoot software.

Monday 28 October 2024 17:15 (15 minutes)

The MPD facility of the NICA complex is designed to study heavy ion collisions and should provide accurate determination of events, which is necessary for precise particle identification. Synchronization of all detectors of the MPD will be provided by a trigger system. Due to hardware limitations and signal propagation speed, the detectors are not triggered simultaneously with the moment of particle collision and between themselves. Simulation of the trigger system for the MPDRoot software improve the approximation of the detector response simulation to the real setup.

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Session Classification: High Energy Physics

Track Classification: High Energy Physics