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Status of the Time-of-Flight system of the MPD

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Content

Physics goals of the MPD require excellent particle identification capabilities over as large as possible phase coverage. Identification of charged hadrons at inter-mediate momenta is achieved by the time-of-flight measurements which are complemented by the energy loss (dE/dx) information from the TPC. Our choice for the TOF system is the Multigap Resistive Plate Chambers (MRPC) which has good timing characteristics. At the same time the MRPC is quite easy to manufacture and it is relatively inexpensive. The report will present the latest results of the testing of detectors and the current status of creating TOF system for the MPD experiment.

Summary

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