

# Online monitoring of the High Granular Neutron Time-of-Flight Detector prototype for the BM@N experiment

*Monday 30 October 2023 21:45 (15 minutes)*

The High Granular Neutron Time-of-Flight Detector (HGND) at the BM@N experiment will be used for measurement of neutrons produced in nucleus-nucleus collisions. For the first time, the prototype of the HGND was used in Xe+CsI at 3.0 and 3.8 AGeV run at the BM@N. The multilayer structure (absorber/scintillator) of the detector makes it possible to identify and measure the energies of neutrons produced in nucleus-nucleus collisions. The online real-time monitoring system recently developed and used for the HGND prototype is discussed. Additionally, the preliminary results of the HGND prototype data analysis are presented.

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**Session Classification:** In-person poster session & welcome drinks

**Track Classification:** Experimental Nuclear Physics