

XXV International Baldin Seminar on High Energy Physics Problems  
"Relativistic Nuclear Physics and Quantum Chromodynamics"



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## CALIBRATION METHODS FOR HALF-SECTORS OF THE MPD/NICA ELECTROMAGNETIC CALORIMETER ON COSMIC RAY MUONS

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CALIBRATION METHODS FOR HALF-SECTORS OF THE MPD/NICA ELECTROMAGNETIC CALORIMETER ON COSMIC RAY MUONS

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Within the framework of the MPD experiment at NICA [1], a cylindrical electromagnetic calorimeter (ECal)

[1] V. Abgaryan et al. (MPD Collaboration) «Status and initial physics performance studies of the MPD experiment at NICA, Eur.Phys.J.A 58 ,7, 140(2022)

[2] A. Yu. Semenov et al. "Electromagnetic Calorimeter for MPD Spectrometer at NICA Collider." JINST 15 (2020) 05, C05017

[3] V.V. Kulikov et al. "ECAL MPD: geometry and simulation." JINST 15 (2020) 09, C09017

[4] Y. Li, D. Han, A. Durum et al. "A Shashlyk Electromagnetic calorimeter system for NICA-MPD." JINST 15 (2020) 11, C11007

[5] Y. Li et al. "Production and quality control of NICA-MPD shashlik electromagnetic calorimeter in Tsinghua University." JINST 17 (2022) 04, T04005

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