

# Challenges of the world-wide experimental search for the electric dipole moment of the neutron



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## Monte Carlo simulation of PNPI double chamber nEDM spectrometer

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Model of PNPI double chamber nEDM spectrometer has been made for simulation by Monte Carlo method. In the model the trajectory of every neutron is simulated with taking into account gravity. The calculation has modeled the whole experimental process and performed data processing in the way it is done in the experiment. Simulation of various systematic effects has been carried out.

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