



# Development of a project for a universal trap for storing ultracold neutrons



Project leader: A.P. Serebrov

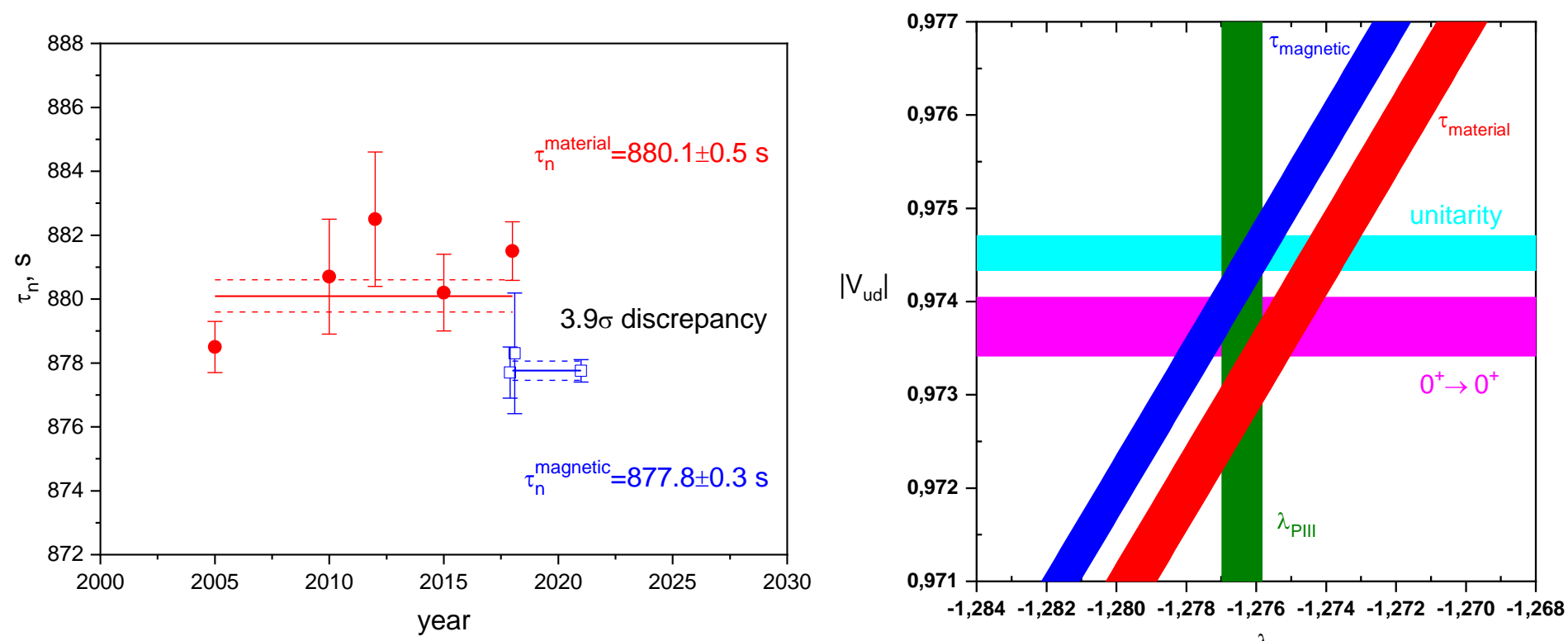
Presenter: A.K. Fomin

G.N. Klyushnikov, A.O. Koptuykhov, A.N. Murashkin

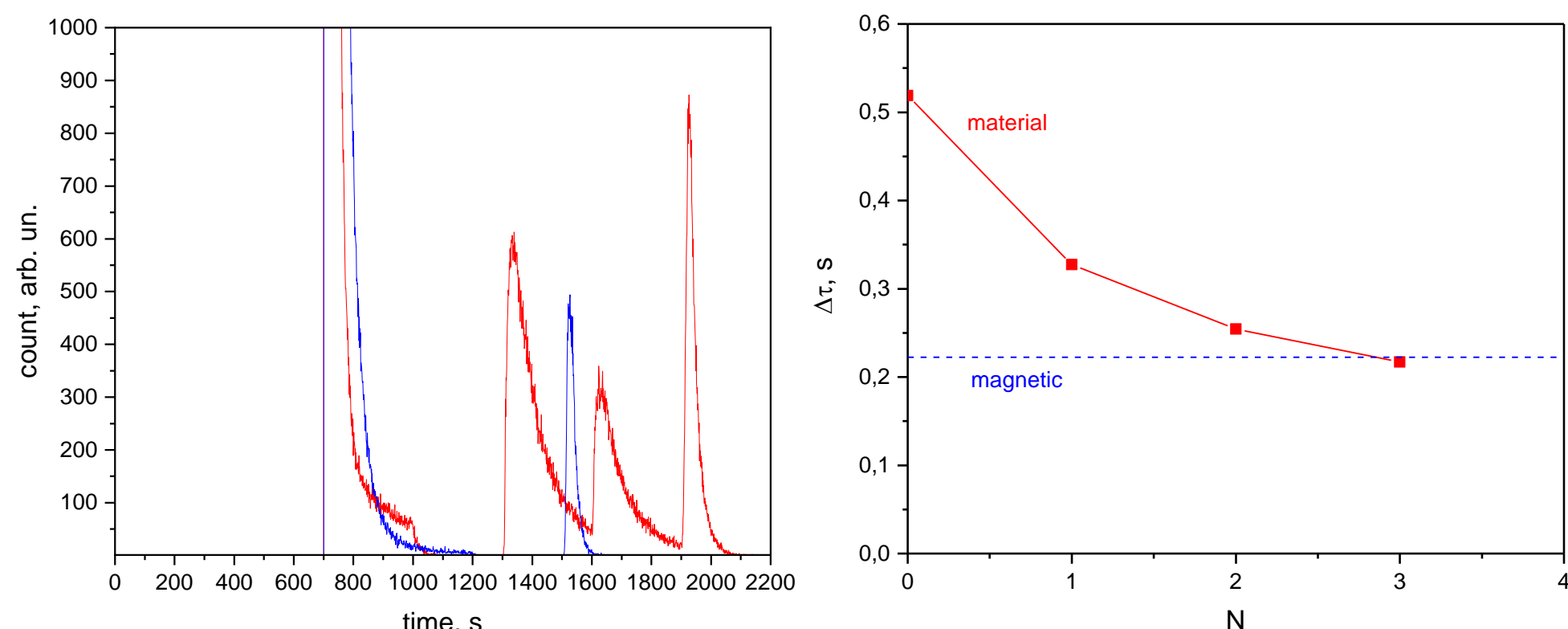
Petersburg Nuclear Physics Institute named by B.P. Konstantinov of NRC «Kurchatov Institute», Gatchina, Russia

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Moscow, Russia, 22-25 October 2024

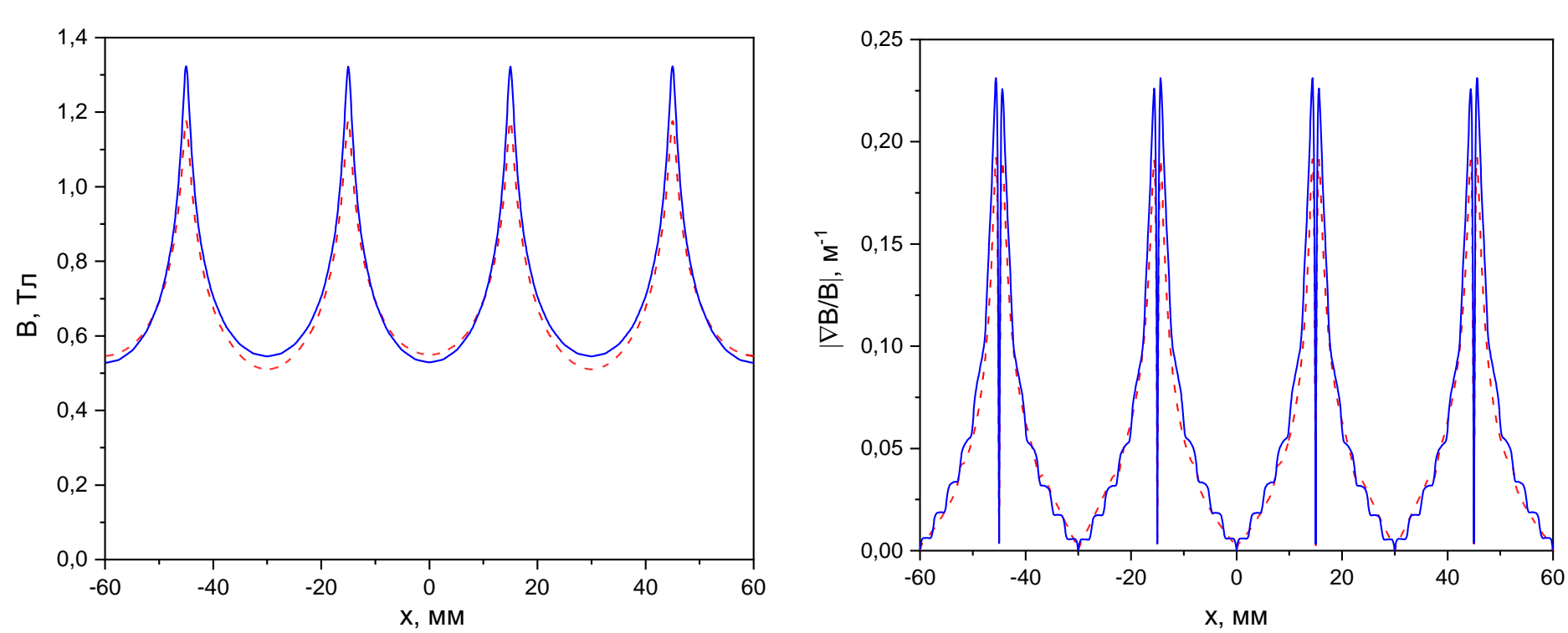
## Motivation



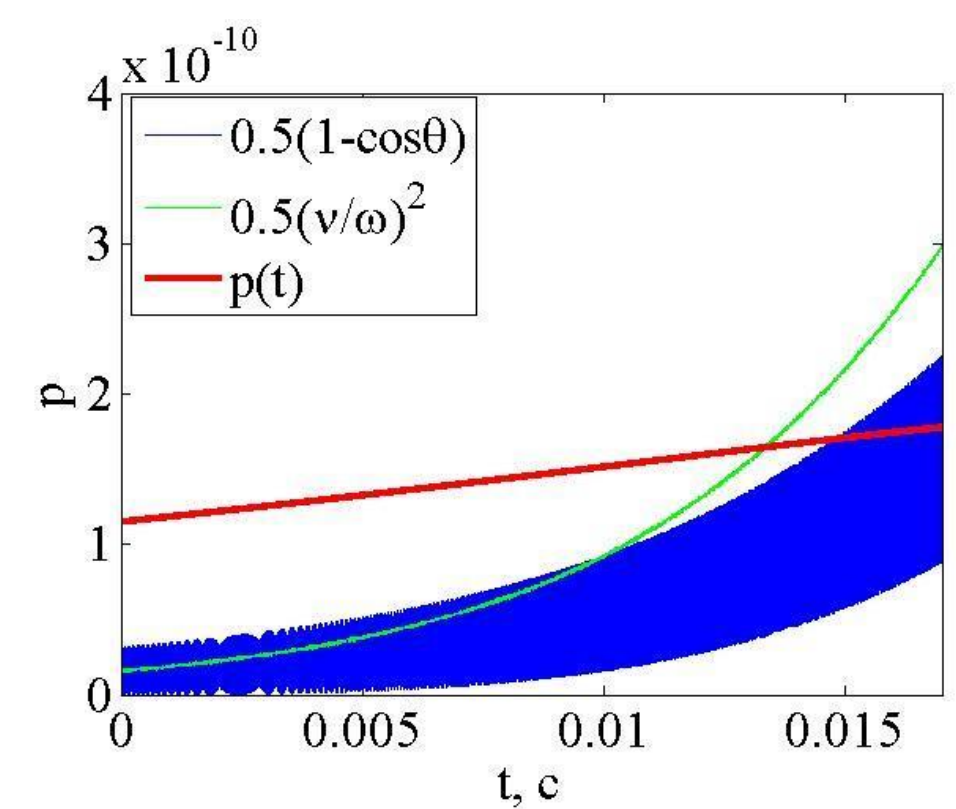
## Sensitivity



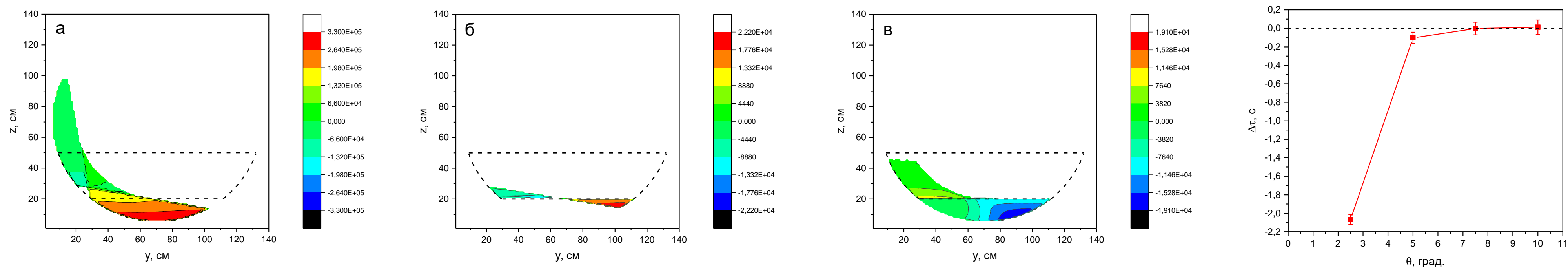
## Magnetic field



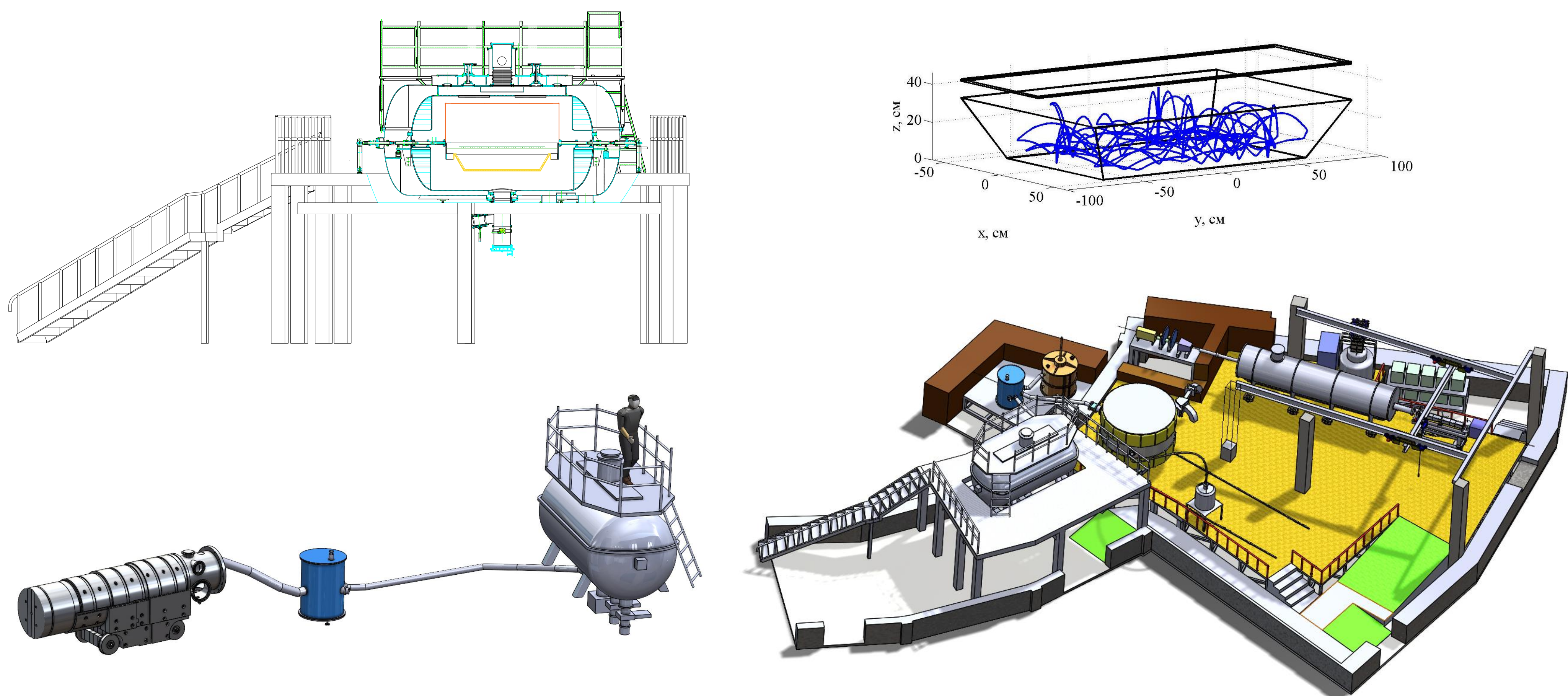
## Depolarization



## Turbine effect



## Construction and position at the reactor PIK



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