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## Search for muon catalyzed d3He fusion

This report presents the results of an experiment aimed at observation of the muon catalyzed d3He fusion reaction which might occur after a negative muon stop in the D2+3He(5%) gas mixture. The basic element of the experimental setup is a Time Projection Chamber (TPC) which can detect the incoming muons and the products of the fusion reaction. The TPC operated with the D2+3He(5%) gas mixture at 31 K temperature. The results of experimental data will be present and compared with the previously published data.

## Section

Experimental and theoretical studies of nuclear reactions

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