

# LXXII International conference "Nucleus-2022: Fundamental problems and applications"

Contribution ID: 395

Type: **Oral talk (15 min + 5 min questions)**

## Proton and deuteron polarimetry at Nuclotron-NICA

*Thursday, 14 July 2022 17:49 (20 minutes)*

Extensive experience has been accumulated in deuteron and proton beam polarization measurements as well as in the simulation of the pp-, pd- and dp-elastic scattering up to 1 GeV/nucleon for polarimeter upgrade at the Nuclotron Internal Target Station. Further development of the pp-, pd- and dd- colliding beams polarimetry at NICA is discussed. The first results of the simulation of these processes at the total energy up to 27 GeV are presented.

### The speaker is a student or young scientist

Yes

### Section

1. Experimental and theoretical studies of nuclear reactions

**Primary authors:** TEREKHIN, Arkadiy; LADYGIN, Vladimir (VBLHEP JINR)

**Presenter:** TEREKHIN, Arkadiy

**Session Classification:** Intermediate and high energies, heavy ion collisions