Contribution ID: 41 Type: not specified

## Transition energy crossing of polarized proton beam at NICA

Monday 4 September 2023 17:10 (30 minutes)

At an experiment on acceleration of a polarized proton beam up to an energy at 13 GeV, the possibility of crossing the transition energy at 5.7 GeV by a jump is considered. The scheme of crossing by a rapid change of transition energy, assumes the longitudinal movement of the beam near the zero value of the slip coefficient. The jump itself is carried out in the absence of an RF field. The paper presents the influence of the above features on the dynamics of a polarized beam.

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Session Classification: Plenary