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## Polarization measurement of $\Lambda$ - and $\bar{\Lambda}$ -hyperons formed by the interaction of $K^-$ - and $\pi^-$ -mesons with nuclei at the SPASCHARM facility at the U-70 accelerator

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The first results on the polarization of inclusively produced  $\Lambda$ -hyperons in the  $K^-$ - and  $\pi^-$ -beams and  $\bar{\Lambda}$ -hyperons in the  $\pi^-$ -beam with a momentum of 26.5 GeV/c were obtained at the SPASCHARM facility at the U-70 accelerator complex in Protvino. For the data on the  $K^-$ -meson beam, a noticeable positive polarization is observed in the region of large values of the Feynman variable  $x_F$  and the transverse momentum  $p_T$ , which was measured for the first time on nuclei. The polarization of  $\Lambda$ - and  $\bar{\Lambda}$ -hyperons in the  $\pi^-$ -beam does not exceed several percent in most of the studied kinematic region, with the exception of the region  $p_T > 1$  GeV/c, where the  $\Lambda$  polarization is  $23 \pm 9$  %.

**Primary author(s) :** Mr. MOISEEV, Vyacheslav (NRC «Kurchatov Institute» - IHEP); Prof. ABRAMOV, Victor (NRC «Kurchatov Institute» - IHEP)

**Presenter(s) :** Mr. MOISEEV, Vyacheslav (NRC «Kurchatov Institute» - IHEP)

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