

## Measurements of the spin observables in reaction $p \uparrow + p \rightarrow \Lambda \uparrow + X$ , in the frame of the SPASCHARM program.

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We propose to measure eight observables in the reaction  $p \uparrow + p \rightarrow \Lambda \uparrow + X$ , where polarized proton beam strikes the unpolarized proton target and produces polarized lambda hyperons. This observables include one spin independent parameter inclusive lambda production cross section  $\Sigma$ , two single spin dependent parameters polarization  $P_n$  and analyzing power  $A_n$  and five two spin transfers parameters  $D_{nn}$ ,  $R$ ,  $R'$ ,  $A$  and  $A'$ . All this parameters have never been measured experimentally.  $\Sigma$  and polarization intensively measured in different experiment, analyzing power were measured at 18.5 GeV/c beam momentum and 200 GeV/c. The first attempt to measure 6 parameters were made by Swallow due to absence of longitudinal polarized beam only 6 parameters were measured. We have a goal to measure all 8 parameters using both transverse and longitudinal polarized beam. The construction of special beam channel is under development.

**Primary author(s) :** Dr. BOGDANOV, Alexey (National Research Nuclear University MEPhI (Moscow Engineering Physics Institute))

**Co-author(s) :** Ms. NURUSHEVA, Marina (Borisovna)

**Presenter(s) :** Dr. BOGDANOV, Alexey (National Research Nuclear University MEPhI (Moscow Engineering Physics Institute)); Ms. NURUSHEVA, Marina (Borisovna)

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