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Measurement of the ANN spin correlation parameter in elastic pp and $p\bar{p}$ scattering reactions in the SPASCHARM experiment at U-70.

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The possibility of measuring spin correlation parameter in elastic proton-proton and antiproton-proton scattering in the SPASCHARM experiment at U-70 accelerator complex at Protvino is discussed. The measurements will be carried out using polarized beams and a polarized target of the experiment. A realistic simulation of the experiment was carried out and an evaluation of the accuracy of ANN measurements of elastic pp and $p\bar{p}$ scattering at an energy of 16 GeV and the time required to measure this observable in both reactions was made.

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