THREE-ARM SPECTROMETER SCAN-3 AT THE NUCLOTRON INTERNAL TARGET

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A new precision three-arm magnetic spectrometer SCAN-3 is being built for detecting charged (π, K, p) and neutral (n) particles produced at the LHEP Nuclotron internal target in dA collisions. This project is aimed at studies of highly excited nuclear matter. The matter will be studied through observation of its particular decay products, that is, pairs of energetic particles with a wide opening angle, close to 180°. The progress of work on the creation of the spectrometer will be discussed.

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