

Progress in the creation of a matrix track detector

Monday 28 October 2024 18:50 (20 minutes)

A track scintillation detector based on SiPM matrices has been developed. The detector has two arms oriented at 90 degrees relative to each other. To obtain an image of the particle track, it is necessary to focus the scintillation light on the SiPM matrix. The report describes the measurement process using Fresnel lenses and glass lenses.

Primary author: Mr USTINOV, Dmitry (Joint Institute for Nuclear Research)

Co-authors: SUKHOV, Evgeni (JINR); KUTINOVA, Olga (JINR); AFANASIEV, Sergei (JINR); USTINOV, Valentin (JINR VBLHEP)

Presenter: Mr USTINOV, Dmitry (Joint Institute for Nuclear Research)

Session Classification: Poster session & Welcome drinks

Track Classification: Experimental Nuclear Physics