

## Development of silicone rubber-based scintillators for different particles recording

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In our work we investigate specialized scintillators based on locally produced powdered phosphors immersed in an optically transparent silicone rubber. Scintillators of this type can be optimized for recording different types of particles. We present the results of studies of silicone rubber-based scintillators response to atmospheric muons, fast neutrons and radioactive background, mainly represented by the radon decay chain.

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