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Xenon scintillation response in two-phase emission detector

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The analysis of experimental data of the two-phase xenon emission detector has been conducted. There were determined ranges of parameters for neutrons and gamma events, using a two-dimensional diagram in isolines. The original method for estimating the deexcitation time of liquid xenon as a working environment of the detector was applied.

Primary author(s) : Mr. BURENKOV, Alexander (ITEP, MEPHI); Mr. KONOVALOV, Alexey (ITEP, MEPHI, MIPT); Mr. LUKYASHIN, Anton (ITEP, MEPHI); Dr. AKIMOV, Dmitry (ITEP, MEPHI); Mr. BELOV, Vladimir (ITEP, MEPHI)

Presenter(s) : Mr. LUKYASHIN, Anton (ITEP, MEPhI)

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