

## **Fast component in the Xe-dopant LAr**

*Monday, 22 October 2018 15:40 (150)*

We proposed the first experimental confirmation of the fast component reemittance in the Xe-doped LAr. The effect is clearly visible at the concentration of more than 100 ppm Xe (mol by mol). Previously observed improvement of PSD ability with the increasing of Xe concentration in LAr by different experimental groups is explained by this effect. Advantages of Xe-dopant as a WLS for LAr-detectors are discussed.

**Primary author(s)** : Mr. RUDIK, Dmitry

**Presenter(s)** : Mr. RUDIK, Dmitry

**Session Classification** : Poster session and coffee-buffet

**Track Classification** : Facilities and advanced detector technologies