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## Estimation of 85Kr background in the XENONnT using delayed coincidence count

The dark matter direct detection experiment XENONnT searches for rare events such as dark matter recoils and solar pp neutrino signals. It requires accurate estimates of background events. The radioactive isotope 85Kr in the target material, liquid xenon, is one of background sources. To determine its abundance accurately, delayed coincidence counting of 85Kr has been introduced. This poster shows the details of this method, performance, and results.

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