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## Scintillation light yield of solid Xenon

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Scintillation properties of rare gas materials are of primary importance for the next generation dark matter and neutrino experiments. Above the liquid phase of such elements, also solid crystals can be used for suitable detection schemes but unfortunately only sporadic data regarding the luminescence properties of Xenon at temperatures under its melting point are present in literature. In this contribution, we present a study of the scintillation light yield of Xenon in the solid phase at different temperatures in the range (30–160)K. This study has been carried out exploiting the light emission from solid Xenon consequent to the energy release of cosmic rays in the crystal.

**Primary author:** GUARISE, Marco (University of Ferrara)

**Presenter:** GUARISE, Marco (University of Ferrara)

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