



**Giovedì 1 Giugno 2017, ore 14:30, Sala Wataghin**  
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**Neutrinoless double-beta decay searches with  $^{76}\text{Ge}$**

The search for neutrinoless double-beta decay might be the only window to observe lepton number violation and is therefore considered to be of highest relevance. The isotope  $^{76}\text{Ge}$  has historically been most important for this search and the ongoing experiment GERDA has the lowest background of all experiments in the field. The talk reviews the motivation, the current status of GERDA experiment and future programs.