



Contribution ID: 53

Type: **Talk**

HPGe for CEvNS

Tuesday 10 June 2025 12:17 (18 minutes)

For a successful CEvNS detection, a detector with a low enough noise threshold is required. HPGe spectrometers are highly suitable for this task due to the large number of charge carriers created in particle interactions, the high level of radiopurity that can be achieved and the possibility to have kg-sized detector masses. The developments in the last decades on noise levels make it feasible to achieve thresholds in the few hundreds eV range.

In my talk, I will give a review on setups, new developments and challenges. I will sketch out ideas for future large-sized experiments.

Author: HAKENMUELLER, Janina Dorin (Duke University)

Presenter: HAKENMUELLER, Janina Dorin (Duke University)

Session Classification: Experiments 4