



**38th INTERNATIONAL CONFERENCE  
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## **Low-temperature detector development for double beta decay experiments**

*Saturday 6 August 2016 18:00 (2 hours)*

Cryogenic detectors operating at millikelvin temperatures are important tools in search for rare events such as neutrinoless double beta decay ( $0\nu\beta\beta$ ). This poster introduces how the extremely high energy resolution is achieved with the metallic magnetic calorimeter (MMC), which is used the rare events search. The poster gives a description of the photon-phonon simultaneous measurement technique developed for neutrinoless double beta decay experiments. Some experimental results are also presented.

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