Toward the first neutrino mass measurement of HOLMES

M. Borghesi, on behalf of the HOLMES collaboration

HVLMES goal: prove the feasibility of the calorimetric approach for a neutrino mass measurement, using Transition Edge Sensors LTD.

Cu perimeter Au absorber Si₂N₃
200 μm Si
Au
Ni

- TES array fabrication (almost) complete!
- First 32 channels multiplexed readout
- Background estimation



