Multi-Aspect Young ORiented Advanced Neutrino Academy (MAYORANA) - School&Workshop II edition The first neutrino mass limit of HQLMES

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HOLMES and the direct measurement of mv



$${}^{163}\text{Ho} + e^{-} \rightarrow {}^{163}\text{Dy}^{H} + \nu_{e}$$
$${}^{163}\text{Dy}^{H} \rightarrow {}^{163}\text{Dy} + E_{C}^{H}$$

First data-taking runs



Neutrino mass limit

Measured and fitted spectrum @ROI



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