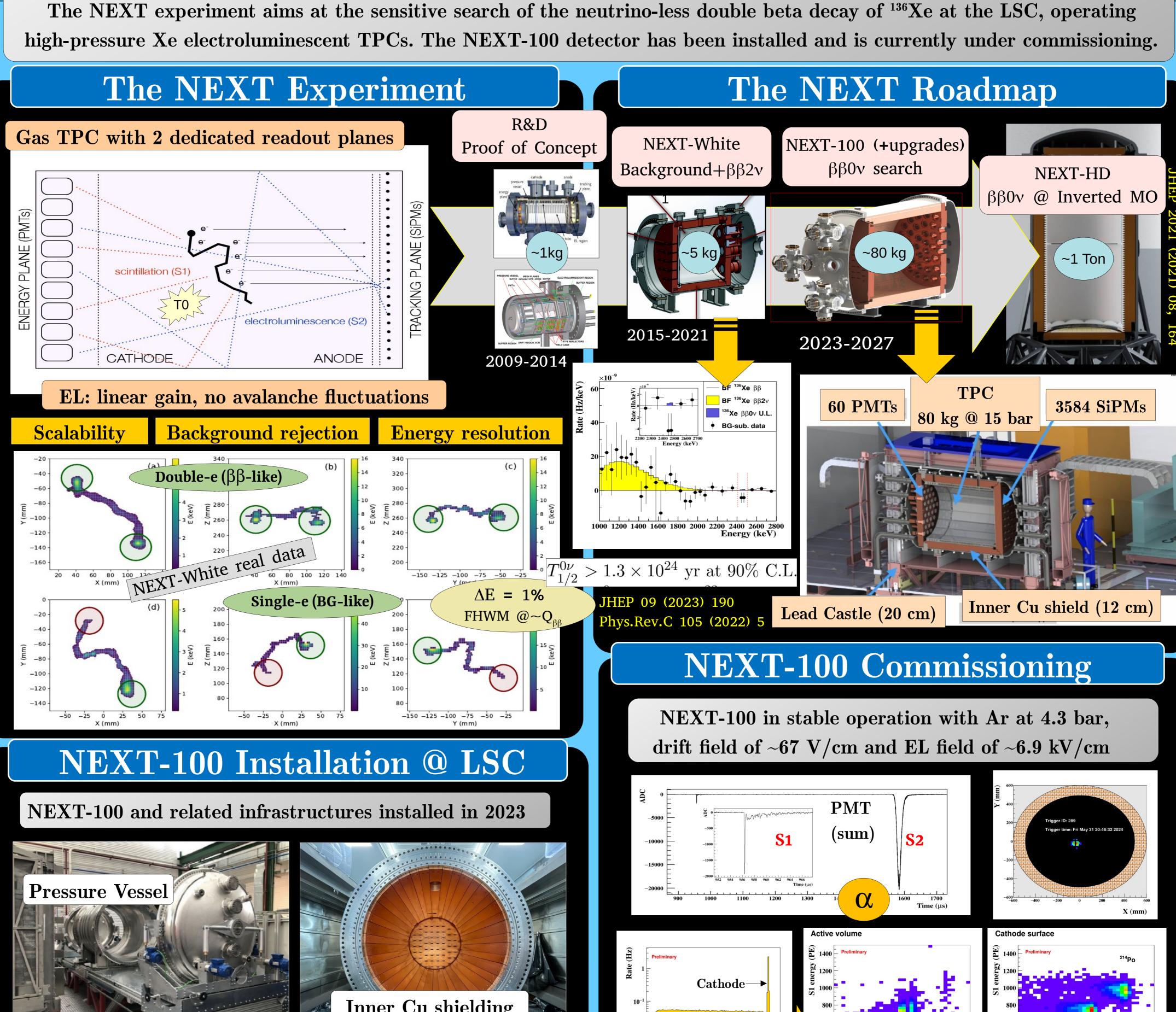
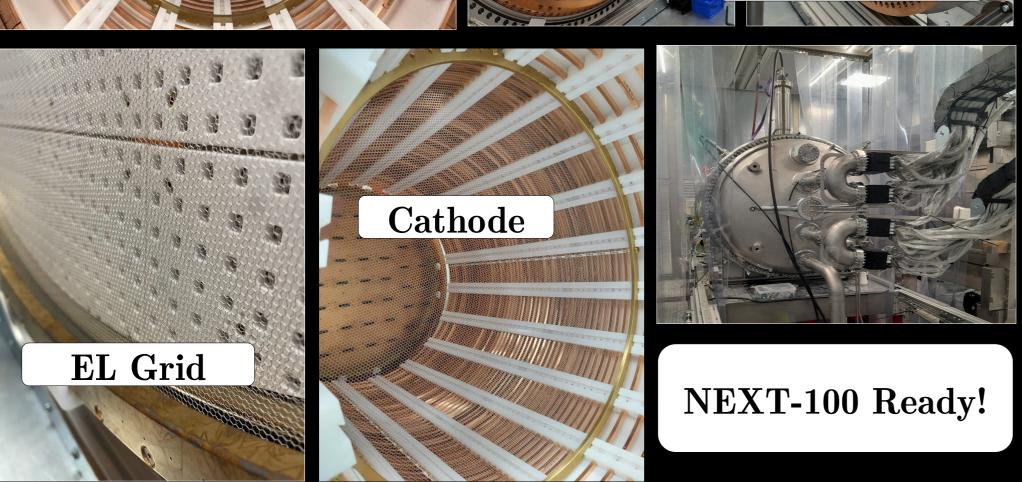
Searching for the ββ0ν decay with NEXT-100

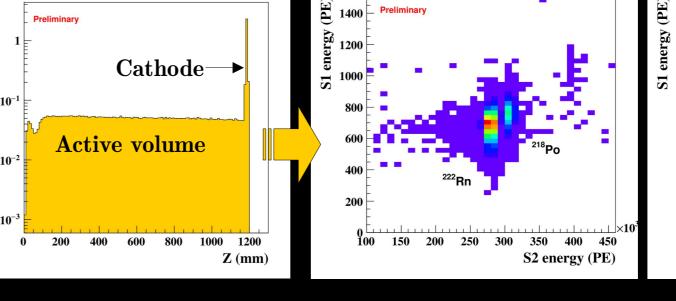
P. Novella^a, on behalf of the NEXT collaboration ^aInstituto de Física Corpuscular (IFIC), CSIC & Universistat de València

The NEXT experiment aims at the sensitive search of the neutrino-less double beta decay of ¹³⁶Xe at the LSC, operating



Inner Cu shielding Tracking Plane Field Cage Energy Plane

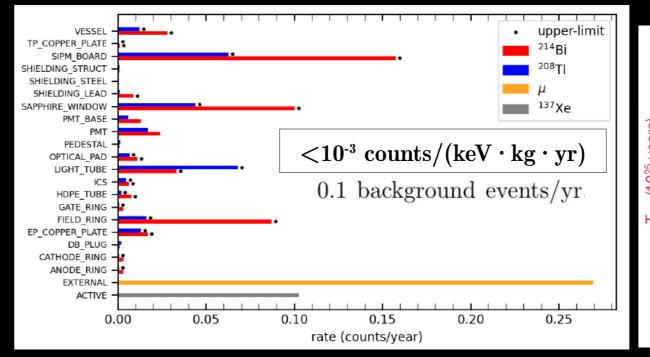


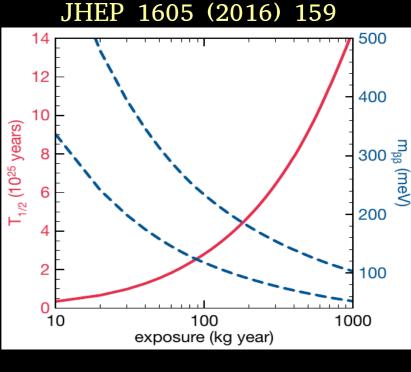


Detector being characterized with point-like events (\alphas)

NEXT-100 Sensitivity

NEXT-100 sensitivity estimated with full simulation, extensive radiopurity screening, and NEXT-White results





Sensitivity (3 years): $6 \times 10^{25} \text{ yr } @ 90\% \text{ C.L.}$



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