

induced neutrons [9] Background for CEvNS, supernova v detection 900 kg lead, EJ-301 LS, water bricks shielding



[1] PRD 9, 1389 (1974) [2] *PRD 106, 032003 (2022)* [3] Science 357 iss. 6456 (2017) [4] PRL vol. 129 081801 (2022) [5] PRL vol. 126 012002 (2021)

[6] PRL vol. 131 221801 (2023) [7] PRD 109, 092005 (2024) [8] JINST 16 (08) P08048 (2021) [9] PRD 108, 072001 (2023) [10] JINST 17 (03) P03021 (2022)

10

 $x_{D}^{10}(m_{\chi}/m_{V})^{4}$



 $\alpha_{\rm D} = 0.5$

 $m_v = 3m_v$

¹⁰ m_χ (MeV/c²)

Csl Data

-COH-Ge-1 -COH-Ar-750

- COH-Ar-10t

- COH-CryoCsl-

--- COH-CryoCsI-2

5 years at STS

