AN END-TO-END TEST OF THE SENSITIVITY OF ICECUBE TO THE NEUTRINO BURST FROM A CORE-COLLAPSE SUPERNOVA



gravitational wave (GW) followups, providing probes of.

- Beyond Standard Model physics [1]
- trino [2].



ready to observe the next Galactic CCSN.

- [3] Robert Cross, Alexander Fritz, and Spencer Griswold. In: *PoS* ICRC2019 (2020), p. 889.



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- [7] Jakob van Santen. In: *PoS* ICRC2017 (2018), p. 991.



ICRC2021 PoS 1085





$$\frac{1}{\sqrt{2\pi}\langle\sigma_i\rangle}\exp\left(-\frac{(R_i-(\langle R_i\rangle+\varepsilon_i\cdot\Delta\mu))^2}{2\langle\sigma_i\rangle^2}\right)$$

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