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(U*) (POS-35) C14 in SNO+

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SNO+ is a multipurpose neutrino detector located 2km underground which detects events inside the active liquid organic scintillating (LAB) medium. It is important to understand the radio-active backgrounds in the detector in detail to interpret any potential physics signals. C14 is a source of background events in the SNO+ detector, and can be observed homogeneously throughout the LAB in the detector. The detector is now completely filled with scintillator and the wavelength shifter (PPO). By probing the detector threshold and evaluating the C14 rate we are able to investigate for any exotic physics interactions which may be present at low energy ranges.

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