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The SNO+ Experiment JEFFERY SECREST, Armstrong Atlantic State University, SNO+ COLLABORATION — The Sudbury Neutrino Observatory has removed the heavy water from the detector. The SNO+ experiment will add liquid scintillator to this detector in order to enhance sensitivity to different low energy phenomena such as pep and CNO solar neutrinos, reactor anti-neutrinos, and geo-neutrinos. Doping the scintillator with neodymium will allow SNO+ to carry out a competitive search for neutrinoless double beta decay. The physics and current status of the experiment will be presented.

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