

Abstract Submitted  
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**Coherent Neutrino Detection at SONGS** JUAN COLLAR, University of Chicago, C. AALSETH, P. BARBEAU, A. BERNSTEIN, N. BOWDEN, J. COLARESI, S. DAZELEY, P. DE LURGIO, G. DRAKE, J.E. FAST, C.H. GREENBERG, T.W. HOSSBACH, J.D. KEPHART, J. LUND, M.G. MARINO, H.S. MILEY, J.L. ORRELL, D. REYNA, R.G.H. ROBERTSON, L. SADLER, R. TALAGA, O. TENCH, T.D. VAN WECHERL, J.F. WILKERSON, M. YOCUM, COGENT COLLABORATION — An effort to demonstrate (anti)neutrino coherent elastic scattering off nuclei is underway in one of the tendon galleries around the San Onofre Nuclear Generating Station (SONGS) reactors. We are currently employing p-type point contact (PPC) germanium detectors as the target. These devices combine a sub-keV energy threshold with a mass ( $\sim 1$  kg) large-enough to observe the effect, profiting from the very large cross section expected. An overview of activities and prospects will be presented.

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