

Abstract Submitted
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Comparison of SPAWAR Co-deposition Experimental Data and Competing Condensed Matter Nuclear Science Theories LAWRENCE P.G. FORSLEY, JWK Technologies Corporation, 7617 Little River Turnpike Suite 1050, Annandale, VA 22003, PAMELA MOSIER-BOSS, Space Warfare Systems Center, San Diego — The SPAWAR PdD co-deposition protocol has been replicated in several laboratories and shown to produce apparent nuclear tracks in solid-state CR-39 detectors. Additional spectroscopic gamma ray measurements have been carried out using either high resolution, cryogenically cooled germanium or lower resolution sodium iodide detectors. These results are at odds with many of the competing theories in this field, suggesting the need to acquire additional temporally and spectrally resolved nuclear data.

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