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## **Search for Time-Correlated Fast Neutrons from DD Fusion at Room Temperature**

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### **Abstract:**

A time-correlated spectrum of fast neutrons from the electrochemically loaded Pd-D system was measured by a low-background high-resolution Ge detector surrounded by neutron scatterers. Time correlation of fast neutrons was obtained by measuring the time correlation of  $\gamma$ -rays following inelastic scattering of fast neutrons. The measurement shows no evidence for neutron burst during the electrolysis of the Pd-D system at room temperature.

### **Keywords:**

time correlation, neutron burst, cold nuclear fusion