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Observation of Anomalous Heat Release and Helium-4 Production from Highly Deuterated Palladium Fine Particles

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Abstract:

Observations were made of the anomalous production of ^4He atoms as well as the anomalous heat release when Pd fine particles are highly deuterated inside an enclosed Pd metal vessel used as a cathode in electrolysis of D_2O . A mass analysis of the remnant Pd powders after the 2000-hr heat production revealed substantial production of ^4He atoms.

Keywords:

double-structure cathode, deuterated Pd, Pd black, electrolysis, excess energy, ^4He production