

Condensed Matter Nuclear Science (Cold Fusion)

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Abstract

Since the announcement of the discovery of Cold Fusion in March 1989 a lot of work has been achieved in a number of countries. Many scientists, either in respected institutions or in their garage have made great progresses in the understanding of this new science. We know now that what Pons and Fleischmann have discovered is more general than first thought. Not only there is nuclear fusion between deuterium atoms, but we know that other exciting phenomena occur. It has been shown that heavy metals can fission, and that possibly radioactivity can be reduced in hydrogenated or deuterated materials under some specific conditions.

I will give an overview of the present situation, detailing experimental and theoretical advances obtained so far.