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Cavitation-Induced Fusion: Proof of Concept

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Cavitation-induced fusion (also known as bubble fusion or sonofusion) has been a topic of much debate and controversy and is generally (albeit incorrectly) perceived as unworkable. In this paper we present the theoretical foundations of cavitation-induced fusion and summarize the experimental results of the research conducted in the past 20 years. Based on the systematic study of all available data we conclude that the cavitation-induced fusion is feasible, doable, and can be used for commercial power generation.

In this talk we present the results of our own research including neutron detection in single-bubble and multi-bubble experiments. We further demonstrate prototype 100kW commercial generator and discuss R&D necessary to achieve break-even energy production.