

# Muon-Catalyzed Fusion in High-Density Magnetic Mirrors

**Author:** Dr. Arthur Vance • Institute for Advanced Energy

---

## Abstract

Pulsed resonant magnetic field pinching can reduce the muon alpha-sticking coefficient below 0.1%, achieving net-positive muon-catalyzed D-T fusion.

## Mechanistic Analysis

Resonant cyclotron stripping of captured muons from alpha particles during high-velocity magnetic compression cycles.