

Two-body and three-body mesonic bound states in ultradense plasmas of fusion catalysis concern

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Atomic and molecular recombination of negatively charged mesons in warm dense matter (WDM) and fast ignition (FIS) ultradense plasmas, on low lying bound states is demonstrated, as well as a former conjecture about the negligibility of meson sticking on fusion produced α particles.

Mesonic catalysis of DT fusion reactions is then shown possible in short lived FIS and WDM plasma targets.