



Mirror Plasma Heating By Electrons For Propulsion Concepts



Objective

This effort will demonstrate the ability to impart energy into a magnetic mirror plasma device by direct electron beam. Such a system, if found to be efficient, will eventually be utilized in advanced plasma propulsion devices.

Why Needed

Means to impart energy directly and efficiently into plasma propulsion devices are required. Consideration of future fusion devices could mean that high power at high currents are directly produced. The direct use of such power will be the most efficient. High thrust and high Specific Impulse (ISP) propulsion devices are typically plasma systems which could use this technology.

Point of Contact

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Sponsor

Center Director's Discretionary Fund (CDDF)