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Conceptual Design on kilo-Joule Laser Driver for Inertial Fusion Mini-Reactor CANDY

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A kilo-Joule class diode-pumped solid-state laser (kJ-DPSSL) has been conceptually designed for an inertial fusion minireactor CANDY. The CANDY which is an integrated repetitive mini-reactor system has been suggested for feasibility study of laser fusion technologies. Key components which construct kJ-DPSSL driver have been technologically and economically assessed based on our fusion research.

