

# ARCHITECTURE FOR DIODE HIGH ENERGY LASER SYSTEMS

	<b>Phase 1 (18 months)</b>	<b>Phase 2 (18 months)</b>
<b>Laser Performance Metric</b>	$\geq 0.10$	$\geq 0.24$
<b>Beam Propagation Factor</b>	$\geq 0.25$	$\geq 0.5$
<b>Total Optical Diode Power</b>	500 W cw	10 kW cw
<b>Center Wavelength</b>		1040 nm
<b>Total Laser Bandwidth</b>		< 50 nm
<b>Diode Lifetime</b>	$\geq 200$ hrs	$\geq 1000$ hrs

Table 1: ADHELS HEL Performance Objectives