

Next Steps: Prioritize the ATF Development Thrusts

- Developments Underway or Under Consideration
 - LWIR Laser System
 - Provide a full in-vacuum transport system - initially to deliver 5 TW and 2 ps beams with good quality to User IPs
 - Non-linear materials R&D
 - Non-linear pulse compressor development
 - Alternative Method: Plasma compression effort led by NRL (AE89)
 - NIR Laser Systems
 - 75 MeV Electron Beam
 - Expanded Diagnostics
 - Further beam compression (matching for e-beam + LWIR laser applications)
 - Increased beam energy
 - Combined capabilities
 - Synchronization
 - Diagnostic development
 - Matched operating parameters
 - Facility
 - Improvements to make user operations more efficient and more effective