



	App Number	Principal Investigator	Experimental Title
<b>Vulcan</b>	17210014	Najmudin Z	Development of a bright betatron backlighter for Vulcan Target Area West
	18110037	Margarone D	Brilliant, Fast Neutron Source employing Cryogenic Ribbons of Solid Deuterium
	18110001	Neely D	Intense THz field-driven lattice dynamics probed with ultrafast X-ray diffraction
	18110002	McKenna P	Laser-solid interaction physics at intensities up to $10^{22}$ W/cm <sup>2</sup> and tight focusing conditions
	18110033	Gizzi L	Role of Laser Plasma Interactions in the Shock Ignition regime
	18110017	Woolsey N	Measuring the dynamics of magnetic fields in high energy-density plasmas
	18110041	Kar S	All-optical, staged acceleration of proton beams using helical coils
	18210019	Antonelli L	High resolution phase contrast imaging of strong shock-cloud interactions
	18210011	Hicks G	Ion acceleration from optically shaped gas-jets
	18210022	Borghesi M	Irradiation of 3D cell models with high-flux, high-energy laser-driven protons
	18210003	Keenan F	Generation of high photoionisation parameter plasmas to simulate accretion-powered astronomical X-ray sources
18210002	Norreys P	Monoenergetic Ion Beam from Collisionless Shocks	
<b>Gemini &amp; TA2</b>	18110024	Norreys P	Coupling orbital angular momentum with plasma waves through stimulated Raman scattering
	18110012	Dromey B	Dual-beam ultrafast pulsed ion radiolysis on Astra Gemini: Nonlinear response of the radiolytic yield of radical/excited
	18110004	Hooker S	Investigation of Plasma Waves Driven by Long Trains of Laser Pulses
	17210011	Mangles S	Precision measurements of strong-field radiation reaction
	18110023	Mangles S	Electromagnetic cascades in high-intensity laser fields
	18110022	Najmudin Z	Staged acceleration of narrow energy spread GeV electron beams
	18210006	Hooker S	Multi-GeV Electron Acceleration in Hydrodynamic Optical Field Ionization Plasma Channels
	18210027	Jaroszynski D	Laser pulse control by excitation of plasma photonic crystals using counter-propagating laser beams
	18210005	McKenna P	Relativistic plasma photonics: polarising effects of relativistically transparent, anisotropic plasma
<b>Artemis</b>	17220009	Minns R	Time Resolved XUV Photoelectron Spectroscopy of Roaming Dynamics in Acetaldehyde
	17120001	Vallance C	Covariance-map ion imaging of Coulomb explosions: an exploratory study into new methods for investigating molecular