



| | App Number | Principal Investigator | Experimental Title |
|--------------|------------|------------------------|--|
| Vulcan | 19210011 | Palmer C | Laboratory investigation of dust charging and destruction in shocked plasma |
| | 19210019 | Carroll D | Investigation of EMP emissions for understanding the source mechanisms and the rules for tuning and employing them in high |
| | 19210010 | McKenna P | Optimisation of a hybrid ion acceleration mechanism towards a stable, high-energy ion source |
| | 20110009 | Kar S | Optimising guided post-acceleration of high energy protons by variable-pitch helical coils |
| | 19210003 | Scott G | Direct Laser Acceleration of Electrons to Superponderomotive Energies |
| | 20110000 | Fuchs J | Investigation of the ion streaming instability in the laboratory and of the associated energy transfer to the background plasma |
| | 18210011 | Hicks G | Ion acceleration from optically shaped gas-jets |
| | 20110006 | Armstrong C | Monoenergetic and micron-scale source size neutron beam generation |
| Gemini & TA2 | 19210013 | Higginbotham A | Probing high pressure melting and kinetics via novel high-energy diffraction |
| | 19210012 | Kettle B | Ultrafast absorption spectroscopy of warm dense matter: measuring electron-ion equilibration rates |
| | 19210006 | Sarri G | Collisionless evolution of Weibel-like magnetic fields on kinetic scales |
| | 20110008 | Mangles S | Definitive measurement of quantum radiation reaction in the collision of an intense laser-pulse with a high-energy electron beam |
| | 19210005 | Neely D | Time-resolved diagnostics of relativistic plasma singularities and BISER |
| | 20110003 | Hooker S | Multi-GeV Electron Acceleration in HOFI Plasma Channels |
| | 19210001 | Hooker S | Investigation of Plasma Waves Driven by Long Trains of Laser Pulses |
| | 20110001 | Palmer C | Characterisation of 'hot' electron filamentation in overdense plasmas using large data sets |
| | 20110004 | McKenna P | High order modes of intense light generated in dense plasma |
| Artemis | 17220004 | Powis I | Time-Resolved Photoelectron Circular Dichroism in alpha-Pinene |
| | 17120011 | Hricovini | Ultrafast demagnetization in ferromagnetic oxides: exciting the phonons vs the electrons |
| | 20120005 | Minns R | XUV Photoelectron spectroscopy of Rydberg Valence dynamics |
| | 20120010 | Wyatt A | High Flux Soft X-Ray Generation in the Water Window |
| | 20120006 | Thompson J | Photoelectron Imaging in the Molecular Frame |
| | 20120002 | Da Como E | Mott and Charge Density Wave dynamics in the transition metal dichalcogenide 1T-TaSe2. |
| | 20120009 | Matthews M | Enhancing and understanding EUV harmonic emission in solids |