

2/1/2022	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon	Tue	Wed	Thu	Fri	Sat	Sun	Mon
Day	V007 Shen				V010 Gopalan												V009 Shen											
Night																												

 Materials (User)	 HED/SS (User)	 Machine Readiness/Prep
 Materials (R&D)	 HED/SS (R&D)	 User Sample Screening

Proposal	Title
U085	Seeking light-induced transient responses of moiré superlattice in macroscopic transition metal dichalcogenide heterostructures
U096	Switching Dynamics in Interfacial Phase Change Materials
U089	Twist-angle dependent vibrational coupling and Kapitza resistance in 2D heterostructures
U077	Investigation of exciton-phonon coupling mechanisms in semiconductor nanocrystals
U076	Photoinduced Wigner glass state in the low-dimensional quantum system
U080	The coupling between ultrafast structural and optical phonon dynamics in covalent bonded (GeSe) and resonant bonded (GeTe) materials
U062	Investigation of Photo-induced Phase Transitions in hidden order Charge Density Wave materials.
U095	THz-induced ion dynamics in intercalated 2D materials
U073	Understanding the magneto-electrical effect and magnon-phonon coupling in 2D antiferromagnets
U065	Photoinduced Transition in Topological Ferroelectric/Paraelectric Superlattices
U090	Time-resolved measurement of ultrafast, relativistic electron-matter interaction
U067	Dynamic observations of diffuse scatterings associated with near-transition phenomena in transition metal compounds using MeV UED
U091	The Thermal Conductivity of Warm Dense Iron
U078	Melting of He-Implanted W
U098	DETERMINATION OF THE BULK STRUCTURE OF LIQUID CARBON
U097	Exploring the Dynamics of Antiferromagnetism using MeV UED
V000	Defect-induced diffuse scattering of radiation-damaged materials
V001	Revealing Singlet Fission Mechanism in Tips-Pentacene
V002	Development of in-situ strain for UED
V003	Machine learning based beam optimizations at MeV-UED
V004	Surface-termination-dependent ultrafast photophysics of MXenes
V005	Developing Magnetic Scattering at UED
V006	Probing Spin Crossover Dynamics with Ultrafast Electron Diffraction
V007	Machine development: High q resolution UED with Berkeley team1K detector
V008	Machine development: Timing tool development: Laser method
V009	Machine development: Timing tool development: THz method
V010	R&D Ultrafast hidden phase formation