



	IRIS_HEP_01.1	U559024		6XXX		n	S212: Institute for Research and Innovation in Software for High Energy Physics (IRIS-HEP)		
	HEP_12	U558881				n	Part. Physics at the High Energy Frontier: Run-3 to HL-LHC.		
		U558881	OFF				For off-campus activities.		
	HEP_13	U559023		6XXX		n	Partnership in EPP and STEM ED Research: Particle Tracking at the HL-LHC and in STEM Education.		
<b>HEP (High Energy Physics)</b>							<b>High Energy Physics</b>	<b>Aders Ryd</b>	
	HEP_031	U558803	PM	5XXX	031	n	Project Office NSF Labor.		
	HEP_032	U558803	PM	6XXX	032	n	Project Office NSF Materials and Supplies.		
	HEP_033	U558803	PM	6XXX	033	n	Project Office NSF Travel.		
	HEP_034	U558803	PMOFF	5XXX	034	n	Project Office NSF COLA (Cost of living adjustment).		
	HEP_052	U558803	PMCF	6XXX	052	n	Project Office NSF Common Fund Materials and Supplies.		
	HEP_07.01	U558860	SC212	6XXX		n	S&C Software 2022 M&S Cornell.		
	HEP_07.02	U558860	SC221	5XXX		n	S&C Software Framework Development: Multi-threading performance (LABOR).		
	HEP_07.03	U558860	SC315	6XXX		n	S&C Software 2022 Travel Cornell.		
	HEP_07.04	U558860	SC215	5XXX		n	Development WM Systems 2022 Cornell (LABOR).		
	HEP_07.05	U558860	SC422	5XXX		n	Token Authentication R&D 2022 Cornell (LABOR).		
<b>AP (Accelerator Physics)</b>							<b>Accelerator Physics</b>	<b>Ivan Bazarov</b>	
	AP_18	U558888		6XXX		n	Long Lifetime Spin-Polarized Electron Sources: High Current Performance of Alternative GaAs Activation Materials and Novel Spin-Polarized Sources via Epitaxial Growth.		
	AP_18.1	U558889		6290		fab	Fabrication of a Growth Chamber attached to the HERACLES Gun for GaAs Studies and Modifications to the Molecular Beam Epitaxy (MBE) System to enable Rubidium Antimonide Photo-cathode Development.		
<b>G_2</b>								<b>Lawrence Gibbons</b>	
	G_2.1	U558840				n	Pions and Muons: Precision probes of the Standard Model.		
	G_2.3	U559008		6290		fab	Pions and Muons: PIONEER DAQ System Fabrication (Labor and M&S).		
<b>OTHER</b>								<b>Supervisors</b>	
	TH_01	U559018				n	Theory	Work specific to Theory program activities.	
<b>CAREER: Probing Fundamental Physics and Cosmic Structure</b>								<b>Mike Niemack</b>	
		U558427				n	Simons Observatory		
	MN_08.1	U553310				n	CCAT - Prime Matching Funds.		
	MN_10.1	U558852		6XXX		n	MRI: Development of 350 GHz Instrumentation to Characterize Galactic Dust Polarization with CCAT-Prime.		
	MN_10.2	U558852	FAB	6290		fab	MRI: Development of 350 GHz Instrumentation to Characterize Galactic Dust Polarization with CCAT-Prime.		
	MN_10.3	U558852	CSA56	6XXX		n	MRI: cost share - Fred Young.		
	MN_11.1	U559013		6XXX		n	Mid-scale RI-2: Advanced Millimeter Survey Instrumentation in Chili.		
	MN_12.1	U559025		6XXX		n	Consortium Proposal for CMB-S4 Continuing Design		
<b>Jared Maxson</b>								<b>Jared Maxson</b>	
	JM_01	U553411				n	Maxson - Photo Emissions Lab.		
	JM_02	U558483		6XXX		n	Early Career - DOE		
	JM_02.1	U558484		6290		fab	Fabricate a custom permanent magnet dipole and associated beamline to perform spectroscopy measurements.		
	JM_03	U558808		6XXX		n	Robust heterostructure photocathodes based on III-nitride materials for future accelerator facilities.		
	JM_03.1	U558809		6290		fab	Fabrication of a thin film growth chamber.		
	JM_06	U558898		6XXX	P48	n	Materials & Supplies.		
	JM_07	U558879		6XXX		n	Understanding and Creating New Quantum Materials with Light on Ultrafast Timescales.		
	JM_08	U558887		6XXX		n	Studies to determine the Optimal Photo-cathode Material for the LCLS-II-HE SRF Gun and to specify its Operating F		
	JM_08.1	U558887	FAB	6290		fab	Aperture-based UHV Emittance Measurement System (NO LABOR).		
	JM_09	U554102	CCP	6XXX		n	Cold Copper Project.		
	JM_10	U559029		6XXX		n	A High Brightness Source of Femtosecond Polarized Electrons for Electron Microscopy.		
	JM_10.1	U559029	FAB	6290		fab	Fabrication of a compact polarized photocathode source (NO LABOR).		
<b>CLEO Solenoid Removal</b>								<b>Dana Richter</b>	
	CLEO_01.3	U553101	CLEO3			n	Disassemble the CLEO Crystal Barrel Calorimeter (CSI crystals).		
<b>Abby Crites</b>								<b>Abby Crites</b>	
	AC_01	U551003				n	Startup Funding.		
	AC_03	U559017		6XXX		n	Collaborative Research: It's TIME! Mapping Cosmic Star Formation History with CO and CII.		
<b>FACILITIES Renovations and Updates</b>								<b>Katie Jacoby</b>	
	RENO_WIL	U553006	WIL	6XXX		n	Activities related to Facilities renovations and updates at Wilson Lab.		
	RENO_NEW	U553006	NEW	6XXX		n	Activities related to Facilities renovations and updates at Newman Lab.		
	RENO_PSB	U553006	PSB	6XXX		n	Activities related to Facilities renovations and updates at Physical Science Building.		
	RENO_PTR	U553006	PTR	6XXX		n	Activities related to Facilities renovations and updates at Pine Tree Road.		