

## ASC 2024 Abstract Submission Categories

Main Categories	Sub-Cat#	Sub-Category Title
Electronics	•	
E-11: Eabrication & packaging	11a	Fabrication & packaging: Advanced/novel
	11b	Fabrication & packaging: HTS
	110	Fabrication & packaging: LTS
	11d	Eabrication & packaging: Packaging and multi-chip modules
	11e	Fabrication & packaging: Wires and tapes
E-12: System integration, measurement and standards	129	System integration etc : Input/output and data links
	12b	System integration etc.: Metrology and standards
	120	System integration etc.: Metrology and standards
E-13: Digital logic and memory	139	Digital logic & memory: Architectures
E-13: Digital logic and memory	136	Digital logic & memory: EDA tools
	130	Digital logic & memory: Ebx 1001s
	13d	Digital logic & memory: Logic
	120	Digital logic & memory: Logic
E-15: Microwave devices, components and detectors (mixers)	150	Digital logic & memory. Memory
	15a 15b	Microwave: Active devices
	150	Microwave. Cavilies and applications
	150	
	150	Microwave: Fliters and antennas
	150	Microwave: Non-equilibrium detectors and mixers
	151	Microwave: Quantum Information processing
	15g	Inicrowave: various magnetic applications
E-16: SQUIDS	16a	SQUIDS: Applications
	16b	SQUIDs: Devices and circuits
E-1/: Quantum systems	1/a	Quantum systems: Computation
	17b	Quantum systems: Sensing and networking
	17c	Quantum systems: Control and readout electronics
	17d	Quantum systems: Fabrication, packaging, and scalable infrastructure
	17e	Quantum systems: Hybrid or novel quantum systems
E-18: Novel electronics: mesoscopics, topological circuits, metamaterials	18a	Novel electronics
E-19: Nanowire single-photon detectors	19a	Nanowire single-photon detectors: Applications
	19b	Nanowire single-photon detectors: Device physics and theory
	19c	Nanowire single-photon detectors: Fabrication and materials
	19d	Nanowire single-photon detectors: Measurement and readout
E-20: Superconducting detectors	20a	SC Detectors: Analysis and calibration
	20b	SC Detectors: Fabrication
	20c	SC Detectors: Detector physics
	20d	SC Detectors: Enabling technologies
	20e	SC Detectors: Instruments and applications
	20f	SC Detectors: Kinetic inductance detectors and components
	20g	SC Detectors: Readout techniques
E-21: AI/ML as a tool for Electronics	21a	AI/ML as a tool for Electronics
Large Scale: Large Systems		
L-31: Large detector arrays (non-electronic)	31a	Large detector arrays (non-electronic)
L-35: Superconducting RF	35a	Superconducting RF cavities (non-materials)
	35b	Superconducting RF systems
L-36: Levitation, transportation, and propulsion	36a	Magnetic levitation and bearings
	36b	Propulsion applications
	36c	Motors, generators, and rotating machines for propulsion
L-37: Magnetic separation and other applications	37a	Magnetic separation
	37b	Induction heating
	37c	Various magnetic applications
	37d	Novel large scale devices
L-38: Cryogenics for superconducting devices and system integration	38a	Cryogenics for superconducting devices and system integration
Large Scale: Superconducting Magnets	•	
L-40-41: Accelerator, wiggler, undulator, special magnets	40a	Accelerator magnet: Design and analysis techniques
	40b	Accelerator magnet: Systems
	400	Accelerator magnets: AC loss and magnetization
	40d	Accelerator magnets: HTS
	40e	Accelerator magnets: LTS
	40f	Accelerator magnets: Quench detection and protection
	40a	Accelerator magnets: Testing and measurement techniques
	40h	Accelerator magnets: Other
	40i	Detector and corrector magnets
	40i	Other superconducting accelerator magnet technologies
	41a	Wigglers undulators special magnets
	41b	Wigglers, undulators, special magnets: Quench detection and protection
	410	Wigglers, unudators, special magnets: Quench detection and protection
	410	wigglers, unuulators, special magnets. Lesting and measurement techniques

1.42. Euclary Magneta, applies and conductors	400	Conductors and cobles for fusion HTS
L-42. Fusion. Magnets, cables and conductors	42a	
	42b	Conductors and cables for fusion: LTS
	42c	Fusion systems and system testing/operation
	42d	Magnets for fusion system: HTS
	42e	Magnets for fusion system: LTS
I -43: Very high field and NMR magnets	43a	NMR magnets: LTS
	426	NMD magneta LTC/pubrid
	430	
	43c	Hybrid magnets: LTS/HTS
	43d	HTS magnets (very high field)
	43e	Hybrid magnets: Superconducting/resistive
	43f	loint technology (non-materials): Implementation
L 44. Manageta fan manijaal euroterra	4.4-	And the second sec
L-44: Magnets for medical systems	44a	
	44b	Synchrotrons and cyclotrons
	44c	Other medical applications
L-46: HTS magnets	46a	HTS magnets (non-very high field)
	46b	No.insulation/metaLinsulation coils
L-47: Magnet stability, magnetization effects, AC losses and protection	400	
	47a	Stability, magnetization, AC losses, and protection
	47b	Stability, magnetization, AC losses, and protection: HTS magnets
	47c	Stability, magnetization, AC losses, and protection: Numerical modeling
	47d	Magnetization and AC loss: Measurements
L-48/54: Cables (HTS, LTS), CICC, current leads, transmission	489	Cables and CICC: Measurements and test facilities
	404	Cables and Oloc. Mea further and the tracements
	480	Cables and CICC: Non-fusion, non-transmission
	48c	Current leads
	48d	Magnetization and AC loss: Cables
	54a	Cables and CICC: Transmission/power
	54b	
	540	
L-49: Magnet design and analysis techniques	49a	Magnet design and analysis techniques
	49b	Screening current modeling
	49c	Numerical modeling: HTS magnets
	49d	Numerical modeling: LTS magnets
	400	Numerical modeling. Superconductors and cobles
	496	Numerical modeling. Superconductors and cables
Large Scale: Superconducting Electric Power		-
L-50: Grid study with superconducting devices	50a	Grid study: Fault current limiters
	50b	Grid study: with HTS superconducting devices
	50c	Grid study: with LTS superconducting devices
	500	
	500	Superconducting power devices for power grid
L-52: Motors, Generators, rotating machines, flux-pumps	52a	Flux pumps
	52b	Flux pumps: Measurements and experimental techniques
	52c	Motors, generators, and rotating machines; AC loss
	52d	Motors generators and rotating machines: HTS bulk
	520	Motors, generators, and rotating machines. HTO bonk
	52e	Motors, generators, and rotating machines: HTS non-bulk
	52f	Motors, generators, and rotating machines: Measurements
	52g	Motors, generators, and rotating machines: Wind applications
I -55-56: Transformers and fault current limiters	55a	Transformers (non-HTS)
	55h	
	dcc	Transformers with HTS
	56a	Fault current limiters (non-HTS)
	56b	Fault current limiters with HTS
	560	FCI measurements and experimental techniques
L 57: Energy storage	570	
	578	
	57b	Energy storage with HTS
L-59: AC loss in electrical power devices	59a	AC loss: HTS power cables
	59b	AC loss: Measurements and experimental techniques
	590	AC loss: Numerical modeling of superconductors
	50d	
	590	AC loss. Superconducting electrical power devices
	59e	AC loss: I ransmission and distribution cables and links
	59f	Stability, magnetization effects, and AC losses
Large Scale: Measurement and Testing		
I -90: Measurement and experimental techniques	90a	Magnet testing and measurement techniques
	004	Integration of the second seco
	000	
	90c	HTS test coils: Measurement techniques
	90d	LTS test coils
	90e	LTS test coils: Measurement techniques
	90e	LTS test coils: Measurement techniques
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L-95: Test facilities and instrumentation	90e 90f 95a	LTS test coils: Measurement techniques Magnetic measurements Test facilities
L-95: Test facilities and instrumentation	90e 90f 95a 95b	LTS test coils: Measurement techniques Magnetic measurements Test facilities Instrumentation and power supplies for superconducting devices
L-95: Test facilities and instrumentation Large Scale: Other	90e 90f 95a 95b	LTS test coils: Measurement techniques Magnetic measurements Test facilities Instrumentation and power supplies for superconducting devices
L-95: Test facilities and instrumentation  Large Scale: Other L-96: AV/ML as a tool for Large Scale	90e 90f 95a 95b 96a	LTS test coils: Measurement techniques Magnetic measurements Test facilities Instrumentation and power supplies for superconducting devices AV/ML as a tool for Large Scale
L-95: Test facilities and instrumentation L-96: Al/ML as a tool for Large Scale Materials	90e 90f 95a 95b 96a	LTS test coils: Measurement techniques Magnetic measurements Test facilities Instrumentation and power supplies for superconducting devices Al/ML as a tool for Large Scale
L-95: Test facilities and instrumentation  Large Scale: Other L-96: Al/ML as a tool for Large Scale  Materials  It does not be a set of the state of the set of the s	90e 90f 95a 95b 96a	LTS test coils: Measurement techniques Magnetic measurements Test facilities Instrumentation and power supplies for superconducting devices Al/ML as a tool for Large Scale
L-95: Test facilities and instrumentation           Large Scale: Other           L-96: Al/ML as a tool for Large Scale           Materials           M-60: Nb-Ti, A15 and other LTS conductors	90e 90f 95a 95b 96a 96a 60a	LTS test coils: Measurement techniques Magnetic measurements Test facilities Instrumentation and power supplies for superconducting devices Al/ML as a tool for Large Scale LTS: Critical current and flux pinning
L-95: Test facilities and instrumentation Large Scale: Other L-96: Al/ML as a tool for Large Scale Materials M-60: Nb-Ti, A15 and other LTS conductors	90e 90f 95a 95b 96a 60a 60b	LTS test coils: Measurement techniques Magnetic measurements Test facilities Instrumentation and power supplies for superconducting devices Al/ML as a tool for Large Scale LTS: Critical current and flux pinning LTS: Critical temperature and critical fields
L-95: Test facilities and instrumentation           Large Scale: Other           L-96: Al/ML as a tool for Large Scale           Materials           M-60: Nb-Ti, A15 and other LTS conductors	90e 90f 95a 95b 96a 96a 60a 60b	LTS test coils: Measurement techniques         Magnetic measurements         Test facilities         Instrumentation and power supplies for superconducting devices         Al/ML as a tool for Large Scale         LTS: Critical current and flux pinning         LTS: Critical temperature and critical fields         LTS: General superconductor materials science
L-95: Test facilities and instrumentation           Large Scale: Other           L-96: Al/ML as a tool for Large Scale           Materials           M-60: Nb-Ti, A15 and other LTS conductors	90e 90f 95a 95b 96a 96a 60a 60b 60c 60c	LTS test coils: Measurement techniques Magnetic measurements Test facilities Instrumentation and power supplies for superconducting devices Al/ML as a tool for Large Scale LTS: Critical current and flux pinning LTS: Critical temperature and critical fields LTS: General superconductor materials science LTS: Meanetization and time-dependent losses
L-95: Test facilities and instrumentation           Large Scale: Other           L-96: Al/ML as a tool for Large Scale           Materials           M-60: Nb-Ti, A15 and other LTS conductors	90e 90f 95a 95b 96a 60a 60b 60c 60d 60d	LTS test coils: Measurement techniques Magnetic measurements Test facilities Instrumentation and power supplies for superconducting devices AI/ML as a tool for Large Scale LTS: Critical current and flux pinning LTS: Critical temperature and critical fields LTS: General superconductor materials science LTS: Magnetization and time-dependent losses LTS: Magnetization and time-dependent losses LTS: Magnetization and time-dependent losses
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L-95: Test facilities and instrumentation           Large Scale: Other           L-96: Al/ML as a tool for Large Scale           Materials           M-60: Nb-Ti, A15 and other LTS conductors	90e 90f 95a 95b 96a 96a 60a 60b 60b 60c 60d 60c 60d 60e 60f	LTS test coils: Measurement techniques         Magnetic measurements         Test facilities         Instrumentation and power supplies for superconducting devices         Al/ML as a tool for Large Scale         LTS: Critical current and flux pinning         LTS: Critical temperature and critical fields         LTS: General superconductor materials science         LTS: Magnetization and time-dependent losses         LTS: Processing and conductor characterization
L-95: Test facilities and instrumentation Large Scale: Other L-96: Al/ML as a tool for Large Scale Materials M-60: Nb-Ti, A15 and other LTS conductors	90e 90f 95a 95b 96a 60a 60b 60b 60b 60c 60d 60e 60f 60g	LTS test coils: Measurement techniques Magnetic measurements Test facilities Instrumentation and power supplies for superconducting devices AI/ML as a tool for Large Scale LTS: Critical current and flux pinning LTS: Critical temperature and critical fields LTS: General superconductor materials science LTS: Magnetization and time-dependent losses LTS: Mechanical properties, strain dependence LTS: Processing and conductor characterization LTS: Procurement and meeting future requirements
L-95: Test facilities and instrumentation  Large Scale: Other L-96: Al/ML as a tool for Large Scale  Materials M-60: Nb-Ti, A15 and other LTS conductors	90e 90f 95a 95b 96a 96a 60b 60b 60c 60c 60c 60c 60c 60c 60c 60g 60b	LTS test coils: Measurement techniques Magnetic measurements Test facilities Instrumentation and power supplies for superconducting devices Al/ML as a tool for Large Scale LTS: Critical current and flux pinning LTS: Critical temperature and critical fields LTS: General superconductor materials science LTS: Magnetization and time-dependent losses LTS: Mechanical properties, strain dependence LTS: Processing and conductor characterization LTS: Procurement and meeting future requirements LTS: Other properties and general materials science
L-95: Test facilities and instrumentation  L-96: Al/ML as a tool for Large Scale  Materials  M-60: Nb-Ti, A15 and other LTS conductors  M-62: MgB, wires and tapes	90e 90f 95a 95b 96a 60a 60b 60c 60d 60c 60d 60c 60d 60e 60f 60g 60f 60g	LTS test coils: Measurement techniques         Magnetic measurements         Test facilities         Instrumentation and power supplies for superconducting devices         Al/ML as a tool for Large Scale         LTS: Critical current and flux pinning         LTS: Critical temperature and critical fields         LTS: General superconductor materials science         LTS: Magnetization and time-dependent losses         LTS: Processing and conductor characterization         LTS: Procurement and meeting future requirements         LTS: Other properties and general materials science         MB: Critical current and flux pinning
L-95: Test facilities and instrumentation           Large Scale: Other           L-96: Al/ML as a tool for Large Scale           Materials           M-60: Nb-Ti, A15 and other LTS conductors	90e 90f 95a 95b 96a 60a 60b 60b 60b 60b 60d 60e 60f 60g 60f 60g 60h 62a	LTS test coils: Measurement techniques Magnetic measurements Test facilities Instrumentation and power supplies for superconducting devices AI/ML as a tool for Large Scale LTS: Critical current and flux pinning LTS: Critical temperature and critical fields LTS: General superconductor materials science LTS: Magnetization and time-dependent losses LTS: Mechanical properties, strain dependence LTS: Processing and conductor characterization LTS: Other properties and general materials science LTS: Other properties and general materials science MBB <sub>2</sub> : Critical current and flux pinning
L-95: Test facilities and instrumentation          Large Scale: Other         L-96: Al/ML as a tool for Large Scale         Materials         M-60: Nb-Ti, A15 and other LTS conductors         M-62: MgB <sub>2</sub> wires and tapes	90e 90f 95a 95b 96a 96a 60b 60b 60c 60c 60c 60c 60c 60c 60c 60c 60c 60c	LTS test coils: Measurement techniques Magnetic measurements Test facilities Instrumentation and power supplies for superconducting devices AI/ML as a tool for Large Scale LTS: Critical current and flux pinning LTS: Critical temperature and critical fields LTS: General superconductor materials science LTS: Magnetization and time-dependent losses LTS: Mechanical properties, strain dependence LTS: Processing and conductor characterization LTS: Proceurement and meeting future requirements LTS: Other properties and general materials science MgB <sub>2</sub> : Critical temperature and critical fields
L-95: Test facilities and instrumentation           Large Scale: Other           L-96: Al/ML as a tool for Large Scale           Materials           M-60: Nb-Ti, A15 and other LTS conductors	90e 90f 95a 95b 96a 00b 60b 60b 60c 60d 60c 60d 60e 60f 60g 60f 60g 60h 62a 62b 62c	LTS test coils: Measurement techniques Magnetic measurements Test facilities Instrumentation and power supplies for superconducting devices AI/ML as a tool for Large Scale LTS: Critical current and flux pinning LTS: Critical temperature and critical fields LTS: General superconductor materials science LTS: Magnetization and time-dependent losses LTS: Mechanical properties, strain dependence LTS: Processing and conductor characterization LTS: Other properties and general materials science MgB2: Critical current and flux pinning MgB2: Critical temperature and critical fields
L-95: Test facilities and instrumentation           Large Scale: Other           L-96: Al/ML as a tool for Large Scale           Materials           M-60: Nb-Ti, A15 and other LTS conductors	90e 90f 95a 95b 96a 60b 60b 60b 60c 60d 60c 60d 60c 60d 60g 60f 60g 60h 62a 62b 62c 62d	LTS test coils: Measurement techniques Magnetic measurements Test facilities Instrumentation and power supplies for superconducting devices Al/ML as a tool for Large Scale LTS: Critical current and flux pinning LTS: Critical temperature and critical fields LTS: General superconductor materials science LTS: Magnetization and time-dependent losses LTS: Mechanical properties, strain dependence LTS: Procurement and meeting future requirements LTS: Other properties and general materials science MgB <sub>2</sub> : Critical current and flux pinning MgB <sub>2</sub> : Critical temperature and critical fields MgB <sub>2</sub> : Magnetization and time-dependent losses
L-95: Test facilities and instrumentation           Large Scale: Other           L-96: Al/ML as a tool for Large Scale           Materials           M-60: Nb-Ti, A15 and other LTS conductors	90e 90f 95a 95b 96a 96a 60b 60c 60d 60e 60d 60e 60d 60e 60f 60g 60h 62a 62b 62b 62c 62d 62c	LTS test coils: Measurement techniques         Magnetic measurements         Test facilities         Instrumentation and power supplies for superconducting devices         Al/ML as a tool for Large Scale         LTS: Critical current and flux pinning         LTS: Critical temperature and critical fields         LTS: General superconductor materials science         LTS: Magnetization and time-dependent losses         LTS: Processing and conductor characterization         LTS: Procurement and meeting future requirements         LTS: Other properties and general materials science         MgB2: Critical current and flux pinning         MgB2: Critical current and time-dependent losses
L-95: Test facilities and instrumentation           Large Scale: Other           L-96: Al/ML as a tool for Large Scale           Materials           M-60: Nb-Ti, A15 and other LTS conductors	90e 90f 95a 95b 96a 60a 60b 60c 60d 60c 60d 60e 60f 60g 60h 62a 62b 62c 62c 62c 62c 62c	LTS test coils: Measurement techniques Magnetic measurements Test facilities Instrumentation and power supplies for superconducting devices AI/ML as a tool for Large Scale LTS: Critical current and flux pinning LTS: Critical temperature and critical fields LTS: General superconductor materials science LTS: Magnetization and time-dependent losses LTS: Processing and conductor characterization LTS: Other properties and general materials science LTS: Other properties and general materials science LTS: Other properties and general materials science MgB2: Critical current and flux pinning MgB2: Critical current and flux pinning LTS: Other properties and general materials science MgB2: Critical current and flux pinning MgB2: Critical current and flux pinning MgB2: General superconductor materials science MgB2: Magnetization and time-dependent losses MgB2: Mechanical properties, strain dependence
L-95: Test facilities and instrumentation           Large Scale: Other           L-96: Al/ML as a tool for Large Scale           Materials           M-60: Nb-Ti, A15 and other LTS conductors	90e 90f 95a 95b 96a 60b 60b 60b 60c 60d 60c 60d 60c 60d 60c 60f 60g 60h 62a 62b 62c 62d 62c 62d 62e 62f	LTS test coils: Measurement techniques Magnetic measurements Test facilities Instrumentation and power supplies for superconducting devices Al/ML as a tool for Large Scale LTS: Critical current and flux pinning LTS: Critical temperature and critical fields LTS: General superconductor materials science LTS: Magnetization and time-dependent losses LTS: Mechanical properties, strain dependence LTS: Procurement and meeting future requirements LTS: Other properties and general materials science MgB <sub>2</sub> : Critical current and flux pinning MgB <sub>2</sub> : Critical current and flux pinning MgB <sub>2</sub> : Critical current and meeting future requirements MgB <sub>2</sub> : Critical current and flux pinning MgB <sub>2</sub> : Critical current and flux pinning MgB <sub>2</sub> : Mechanical properties, strain dependence MgB <sub>2</sub> : Mechanical properties, strain dependence MgB <sub>2</sub> : Processing and conductor characterization
L-95: Test facilities and instrumentation          Large Scale: Other         L-96: Al/ML as a tool for Large Scale         Materials         M-60: Nb-Ti, A15 and other LTS conductors         M-62: MgB <sub>2</sub> wires and tapes	90e 90f 95a 95b 96a 00c 60b 60c 60d 60d 60e 60f 60g 60f 60g 60h 62a 62b 62b 62c 62b 62c 62d 62c 62d 62c	LTS test coils: Measurement techniques         Magnetic measurements         Test facilities         Instrumentation and power supplies for superconducting devices         Al/ML as a tool for Large Scale         LTS: Critical current and flux pinning         LTS: Critical temperature and critical fields         LTS: General superconductor materials science         LTS: Magnetization and time-dependent losses         LTS: Processing and conductor characterization         LTS: Ortical current and flux pinning         LTS: Mechanical properties, strain dependence         LTS: Processing and conductor characterization         LTS: Other properties and general materials science         MgB2: Critical current and flux pinning         MgB2: Critical current and flux pinning         MgB2: Critical current and tritical fields         MgB2: General superconductor materials science         MgB2: General superconductor materials science         MgB2: Magnetization and time-dependent losses         MgB2: Mechanical properties, strain dependence         MgB2: Mechanical properties, strain dependence         MgB2: Mechanical properties, strain dependence         MgB2: Other properties and general materials science
L-95: Test facilities and instrumentation           Large Scale: Other           L-96: Al/ML as a tool for Large Scale           Materials           M-60: Nb-Ti, A15 and other LTS conductors           M-62: MgB <sub>2</sub> wires and tapes           M-64: 2212 and 2223 wires and tapes	90e 90f 95a 95b 96a 60a 60b 60c 60d 60c 60d 60e 60f 60g 60f 60g 60h 62a 62b 62c 62c 62d 62c 62d 62c 62d 62c 62d	LTS test coils: Measurement techniques Magnetic measurements Test facilities Instrumentation and power supplies for superconducting devices AI/ML as a tool for Large Scale LTS: Critical current and flux pinning LTS: Critical temperature and critical fields LTS: General superconductor materials science LTS: Magnetization and time-dependent losses LTS: Mechanical properties, strain dependence LTS: Processing and conductor characterization LTS: Other properties and general materials science MgB <sub>2</sub> : Critical current and flux pinning MgB <sub>2</sub> : Critical current and flux pinning MgB <sub>2</sub> : Critical temperature and critical fields MgB <sub>2</sub> : Magnetization and time-dependent losses MgB <sub>2</sub> : Magnetization and time-de
L-95: Test facilities and instrumentation          Large Scale: Other         L-96: Al/ML as a tool for Large Scale         Materials         M-60: Nb-Ti, A15 and other LTS conductors         M-62: MgB <sub>2</sub> wires and tapes         M-64: 2212 and 2223 wires and tapes	90e 90f 95a 95b 96a 60a 60b 60c 60d 60c 60d 60c 60d 60g 60f 62a 62b 62b 62c 62d 62c 62d 62c 62d 62e 62f 62g 62g 62d	LTS test coils: Measurement techniques Magnetic measurements Test facilities Instrumentation and power supplies for superconducting devices Al/ML as a tool for Large Scale LTS: Critical current and flux pinning LTS: Critical temperature and critical fields LTS: General superconductor materials science LTS: Magnetization and time-dependent losses LTS: Mechanical properties, strain dependence LTS: Procurement and meeting future requirements LTS: Other properties and general materials science MgB <sub>2</sub> : Critical temperature and critical fields MgB <sub>2</sub> : Critical temperature and critical fields MgB <sub>2</sub> : Mechanical properties, strain dependence MgB <sub>2</sub> : Mechanical properties, strain dependence MgB <sub>2</sub> : Mechanical properties, strain dependence MgB <sub>2</sub> : Processing and conductor characterization MgB <sub>2</sub> : Mechanical properties, strain dependence MgB <sub>2</sub> : Mechanical properties and general materials science MgB <sub>2</sub> : Other properties and general materials science 2212 & 2223: Critical temperature, and ritical fields
L-95: Test facilities and instrumentation          Large Scale: Other         L-96: Al/ML as a tool for Large Scale         Materials         M-60: Nb-Ti, A15 and other LTS conductors         M-62: MgB <sub>2</sub> wires and tapes         M-64: 2212 and 2223 wires and tapes	90e 90f 95a 95b 96a 96a 60b 60b 60b 60c 60d 60e 60f 60g 60f 60g 60f 62a 62b 62b 62c 62c 62d 62c 62d 62c 62d 62c 62d 62c 62d 62c 62c 62c 62c 62c 62c 62c 62c 62c 62c	LTS test coils: Measurement techniques Magnetic measurements Test facilities Instrumentation and power supplies for superconducting devices AI/ML as a tool for Large Scale LTS: Critical current and flux pinning LTS: Critical temperature and critical fields LTS: General superconductor materials science LTS: Magnetization and time-dependent losses LTS: Mechanical properties, strain dependence LTS: Processing and conductor characterization LTS: Other properties and general materials science MgB <sub>2</sub> : Critical current and flux pinning MgB <sub>2</sub> : Critical current and flux pinning MgB <sub>2</sub> : Critical current and flux pinning MgB <sub>2</sub> : Critical temperature and critical fields MgB <sub>2</sub> : Critical temperature and critical science MgB <sub>2</sub> : Magnetization and time-dependent losses MgB <sub>2</sub> : Mechanical properties, strain dependence MgB <sub>2</sub> : Mechanical properties and general materials science MgB <sub>2</sub> : Other procesting and conductor characterization MgB <sub>2</sub> : Critical temperature and critical fields MgB <sub>2</sub> : Critical temperature and critical fields Critical temperature and critical
L-95: Test facilities and instrumentation           Large Scale: Other           L-96: Al/ML as a tool for Large Scale           Materials           M-60: Nb-Ti, A15 and other LTS conductors           M-62: MgB <sub>2</sub> wires and tapes           M-64: 2212 and 2223 wires and tapes	90e 90f 95a 95b 96a 60a 60b 60b 60d 60d 60d 60d 60g 60f 60g 60f 60g 60f 60g 62a 62b 62c 62d 62c 62d 62c 62d 62c 62d 62b 64a 64a 64b 64a	LTS test coils: Measurement techniques Magnetic measurements Test facilities Instrumentation and power supplies for superconducting devices AI/ML as a tool for Large Scale LTS: Critical current and flux pinning LTS: Critical temperature and critical fields LTS: General superconductor materials science LTS: Magnetization and time-dependent losses LTS: Mechanical properties, strain dependence LTS: Procurement and meeting future requirements LTS: Other properties and general materials science MgB <sub>2</sub> : Critical current and flux pinning MgB <sub>2</sub> : Magnetization and time-dependent losses MgB <sub>2</sub> : Magnetization and time-dependent los
L-95: Test facilities and instrumentation          Large Scale: Other         L-96: Al/ML as a tool for Large Scale         Materials         M-60: Nb-Ti, A15 and other LTS conductors         M-62: MgB <sub>2</sub> wires and tapes         M-64: 2212 and 2223 wires and tapes	90e 90f 95a 95b 96a 00c 60b 60c 60d 60e 60d 60e 60d 60e 60d 60g 60h 62a 62b 62b 62c 62d 62b 62c 62d 62d 62d 62d 62d 62d 62d 62d 62d 62d	LTS test coils: Measurement techniques         Magnetic measurements         Test facilities         Instrumentation and power supplies for superconducting devices         Al/ML as a tool for Large Scale         LTS: Critical current and flux pinning         LTS: Critical temperature and critical fields         LTS: General superconductor materials science         LTS: Magnetization and time-dependent losses         LTS: Processing and conductor characterization         LTS: Other properties, strain dependence         LTS: Other properties and general materials science         MgB2: Critical current and flux pinning         MgB2: Critical current and time-dependent losses         LTS: Proceurement and meeting future requirements         LTS: Other properties and general materials science         MgB2: Critical temperature and critical fields         MgB2: Critical temperature and ritical fields         MgB2: Magnetization and time-dependent losses         MgB2: Magnetization and time-dependent losses         MgB2: Processing and conductor characterization         MgB2: Other properties and general materials science         2212 & 2223: Critical current and flux pinning         2212 & 2223: Critical temperature and critical fields         2212 & 2223: Critical temperature and critical fields         2212 & 2223: Critical temperature and critica
L-95: Test facilities and instrumentation           Large Scale: Other           L-96: Al/ML as a tool for Large Scale           Materials           M-60: Nb-Ti, A15 and other LTS conductors   M-62: MgB <sub>2</sub> wires and tapes           M-64: 2212 and 2223 wires and tapes	90e 90f 95a 95b 96a 60a 60b 60c 60d 60e 60f 60e 60f 60g 60f 62a 62d 62c 62d 62c 62d 62c 62d 62c 62d 62c 62d 62c 62d 62c 62d 62d 62d 62d 62d 62d 62d 62d 62d 62d	LTS test coils: Measurement techniques Magnetic measurements Test facilities Instrumentation and power supplies for superconducting devices AI/ML as a tool for Large Scale LTS: Critical current and flux pinning LTS: Critical temperature and critical fields LTS: General superconductor materials science LTS: Magnetization and time-dependent losses LTS: Mechanical properties, strain dependence LTS: Processing and conductor characterization LTS: Other properties and general materials science MgB <sub>2</sub> : Critical current and flux pinning MgB <sub>2</sub> : Critical current and flux pinning MgB <sub>2</sub> : Critical current and flux pinning MgB <sub>2</sub> : Critical temperature and critical fields MgB <sub>2</sub> : Critical temperature and critical fields MgB <sub>2</sub> : Critical temperature and critical fields MgB <sub>2</sub> : Magnetization and time-dependent losses MgB <sub>2</sub> : Mechanical properties, strain dependence 2212 & 2223: Critical temperature and critical fields 2212 & 2223: Critical current and flux pinning 2212 & 2223: Critical current and materials science 2212 & 2223: Critical current and materials science 2212 & 2223: Critical current and flux pinning 2212 & 2223: Magnetization and time-dependent losses 2212 & 2223: Magnetization and time-dep
L-95: Test facilities and instrumentation          Large Scale: Other         L-96: Al/ML as a tool for Large Scale         Materials         M-60: Nb-Ti, A15 and other LTS conductors         M-62: MgB <sub>2</sub> wires and tapes         M-64: 2212 and 2223 wires and tapes	90e 90f 95a 95b 60a 60b 60b 60b 60c 60d 60d 60e 60f 60g 60f 60g 60f 60g 60f 62a 62b 62c 62d 62c 62d 62c 62d 62c 62d 62e 62e 62e 62e 62e 62e 62e 62e 62e 62e	LTS test coils: Measurement techniques Magnetic measurements Test facilities Instrumentation and power supplies for superconducting devices AI/ML as a tool for Large Scale LTS: Critical current and flux pinning LTS: Critical temperature and critical fields LTS: General superconductor materials science LTS: Magnetization and time-dependent losses LTS: Magnetization and time-dependence LTS: Processing and conductor characterization LTS: Other properties, strain dependence LTS: Other properties and general materials science MgB <sub>2</sub> : Critical current and flux pinning MgB <sub>2</sub> : Critical temperature and critical fields MgB <sub>2</sub> : Critical temperature and critical fields MgB <sub>2</sub> : Critical temperature and critical fields MgB <sub>2</sub> : Magnetization and time-dependent losses MgB <sub>2</sub> : Other properties, strain dependence MgB <sub>2</sub> : Other properties and general materials science MgB <sub>2</sub> : Other properties and general materials science MgB <sub>2</sub> : Other properties and general materials science 2212 & 2223: Critical current and flux pinning 2212 & 2223: Critical temperature and critical fields 2212 & 2223: Magnetization and time-dependent losses 2212 & 2223: Magnetization and time-dependence 2212 & 2223: Critical current and flux pinning 2212 & 2223: Magnetization and time-dependent losses 2212 & 2223: Magnetization and time-dependent losses 2212 & 2223: Magnetization and time-dependence 2212 & 2223: Magnetization and time-dependent losses 2212 & 2223: Magnetization and time-dependence 2212 & 2223: Magnetization and ti
L-95: Test facilities and instrumentation           Large Scale: Other           L-96: Al/ML as a tool for Large Scale           Materials           M-60: Nb-Ti, A15 and other LTS conductors           M-62: MgB <sub>2</sub> wires and tapes           M-64: 2212 and 2223 wires and tapes	90e 90f 95a 95b 96a 00c 60d 60d 60d 60d 60d 60d 60d 60d 60d 60d	LTS test coils: Measurement techniques Magnetic measurements Test facilities Instrumentation and power supplies for superconducting devices AI/ML as a tool for Large Scale LTS: Critical current and flux pinning LTS: Critical temperature and critical fields LTS: General superconductor materials science LTS: Magnetization and time-dependent losses LTS: Mechanical properties, strain dependence LTS: Processing and conductor characterization LTS: Other properties and general materials science MgB2: Critical current and flux pinning MgB2: Critical temperature and critical fields MgB2: Critical temperature and flux pinning MgB2: Critical temperature and critical fields MgB2: Critical temperature and flux pinning MgB2: Critical temperature and flux pinning MgB2: Critical temperature and flux pinning MgB2: Critical temperature and flux pinning 2212 & 2223: Critical current and flux pinning 2212 & 2223: Critical temperature and critical fields 2212 & 2223: Mechanical properties, strain dependence 2212 & 2223: Mechanical properties, str

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M-66: Coated conductors (REBCO)	66a	CC: Critical current and flux pinning
	66b	CC: Critical temperature and critical fields
	660	CC: Development towards high field magnets
	000	
	000	CC. General superconductor materials science
	66e	CC: Industrial development
	66f	CC: Magnetization and time-dependent losses
	66a	CC: Mechanical properties, strain dependence
	eeb	CC: Poloted materials (buffers, templates, etc.)
	0011	
	66i	CC: Synthesis and characterization
	66j	CC: Other properties and general materials science
M-68: Bulk superconductors	68a	Bulk superconductors: Critical current and flux pipping
	69h	Pulk superconductors: Critical temperature and entities fields
	000	Buik superconductors. Critical emperature and critical needs
	68c	Bulk superconductors: General superconductor materials science
	68d	Bulk superconductors - HTS: processing and characterization
	68e	Bulk superconductors - LTS and MgB <sub>2</sub> : Processing and characterization
	6 Of	Pulk superconductors: Meanetization and time dependent lesses
	001	Buik superconductors, wagnetization and time-dependent losses
	68g	Bulk superconductors: Mechanical properties, strain dependence
	68h	Bulk superconductors: New and emerging materials including Fe-based
	68i	Bulk superconductors: Pnictides and related materials
	69	Pulk superconductors: Other properties and general materials science
	00j	Buik superconductors. Other properties and general materials science
M-69: Other wires and tapes	69a	Other: Critical current and flux pinning
	69b	Other: Critical temperature and critical fields
	69c	Other: General superconductor materials science
	69d	Other: Magnetization and time-dependent losses
	000	
	69e	Other: Mechanical properties, strain dependence
	69f	Other Wires and Tapes: Other properties and general materials science
M-70: General superconductor materials science	70a	General materials R&D
	70h	loint technology (materials): Processing and characterization
	700	Solid technology (materials). Frocessing and characterization
M-71: SRF materials	/1a	Metals and simple compounds
	71b	Superconducting RF materials: MgB <sub>2</sub>
	71c	Superconducting RF materials: Nb
	71d	Superconducting PE materials: NB Sn
	710	Superconducting RF materials. (Abson materials
	71e	Superconducting RF materials: Other materials
M-72: Cuprates and related materials (buffers, templates, etc.)	72a	Cuprates: Coated Conductors (non-REBCO)
	72b	Cuprates: Artificial structures, thin films, and multilavers
	720	Currentes: Critical current and flux pipping
	720	Cuprates. Critical current and hux primitig
	72d	Cuprates: Critical temperature and critical fields
	72e	Cuprates: Magnetization and time-dependent losses
	72f	Cuprates: Mechanical properties, strain dependence
	720	Currates: Synthesis and characterization
	729	Cuprates: Winness and Characterization
	72n	Cuprates: wires and tapes
	72i	Cuprates: Other properties and general materials science
M-73: Pnictides and related materials	73a	Pnictides: Bulk conductors
	73h	Prictides: Coated conductors artificial structures thin films and multilavers
	705	
	730	Prictides: Critical current and flux pinning
	73d	Pnictides: Critical temperature and critical fields
	73e	Pnictides: Magnetization and time-dependent losses
	73f	Prictides: Mechanical properties, strain dependence
	70-	
	73g	Prictides: Synthesis and characterization
	73h	Phictides: Wires and tapes
	73i	Pnictides: Other properties and general materials science
M-74: Fe-chalcogenides and other emerging materials	74a	FeSe/Other: Coated conductors artificial structures thin films and multilavers
	746	Ease/Other: Bulk conductors
	740	
	74C	FeSe/Other: Critical current and flux pinning
	74d	FeSe/Other: Critical temperature and critical fields
	74e	FeSe/Other: Magnetization and time-dependent losses
	7.4f	Ease/Other: Machanical properties, strain dependence
	741	rese/order. Mechanical properties, strain dependence
	74g	rese/Other: Synthesis and characterization
	74h	FeSe/Other: Wires and tapes
	74i	FeSe/Other: Other properties and general materials science
M-75: Artificial structures, thin films, and multilavore	752	Thin films and multilayers: Nb-Ti, Nb-Sn, and other LTS
in io. / wanola su dolaros, unit minis, and multilayers	756	This films and multiloversi McD
	/ DD	Thin hims and multilayers: MgB <sub>2</sub>
	75c	Thin films and multilayers: Critical current and flux pinning
	75d	Thin films and multilayers: Magnetization and time-dependent losses
	75e	Thin films and multilavers: Mechanical properties, strain dependence
	754	This films and multilouers. Moonanical properties, subin tiperfuence
	101	Thin hims and multilayers: Unitical temperature and critical fields
	75g	Thin films and multilayers: Other properties and general materials science
M-77: Insulation and dielectrics	77a	Insulation and dielectrics
M-78: Ancillary materials for superconducting applications		
	78a	Ancillary materials for superconducting applications
in 70. Anomary matchais for superconducting applications	78a 78b	Ancillary materials for superconducting applications
	78a 78b	Ancillary materials for superconducting applications Materials for superconducting quantum systems