

Session	Talk Title	Speaker Name	Speaker Institution
Minisymposium: Noble liquid in particle physics	Overview of noble liquid detectors	Jonathan Asaadi	University of Texas Arlington
	New results on solar neutrino and light dark matter searches with the LUX-ZEPLIN Experiment	Ann Wang	SLAC
Minisymposium: Lattice QCD and other Gauge Theories	Overview of lattice qcd and other gauge theories	Thomas Blum	University of Connecticut
Minisymposium: BSM Probes at Neutrino Facilities	Overview of BSM probes at neutrino facilities	matheus hostert	University of Iowa
Minisymposium: Toponium and heavy flavor spectroscopy	Overview of toponium	Christian Schwanenberger	DESY
Minisymposium: Advances in Computing in HEP	Overview of advances in computing in hep	Peter Elmer	IRIS-HEP/Princeton
Minisymposium: Higgs Factories	Overview of higgs factories	Charles C. Young	SLAC
Minisymposium: Muon Collider	Overview of muon colliders	Karri DiPetrillo	U. Chicago
Minisymposium: Advances in axion physics	Overview of axion physics	Dan Zhang	U. Washington
Minisymposium: Systematic errors in neutrino experiments	Overview of systematic errors in neutrino experiments	Raquel Castillo	UT-Arlington
Minisymposium: Particle dark matter	Overview of particle dark matter	Benjamin Lehmann	MIT
Minisymposium:Higgs self couplings	Overview of Higgs self couplings	Cecilia Tosciri	U. Chicago
Minisymposium: 90 Years of Muons: History and Horizons	Overview of the history of muons	Lee Roberts	Boston
Minisymposium: HL-LHC detector upgrades	Overview of HL-LHC detector upgrades	Christopher Neu	University of Virginia
Searches for Dark Matter	Wave-Like Dark Matter	Stefan Knirck	Harvard
	Particle-Like Dark Matter	Abby Kopec	Bucknell
	Probes of dark matter	Tracy Slatyer	MIT
New phenomena at Colliders	(a few) Exciting Searches at LHC	Jeff Shahinian	U. Pennsylvania
	New directions in physics beyond the Standard Model theory	Elias Bernreuther	UC San Diego
	Top-antitop bound states	Yang Bai	U. Wisconsin
Artificial Intelligence/Machine Learning and Quantum Information for Particle Physics	AI advances in theoretical high-energy physics	Konstantin Matchev	U. Alabama
	Opportunities in AI/ML for Particle Physics	Phil Harris	MIT
	Quantum sensors for HEP	Matt Pyle	Berkeley
Future Prospects for Neutrino Physics	DUNE CP and Past Phase I: Modules of Opportunity and New Physics	Stephen Parke	Fermilab
	Beam Dump Experiment overview	Vedran Brdar	Oklahoma State
	Future Prospects at Short Baselines	Matt Touns	Fermilab
The Physics of Particle Flavor	LHCb Highlights	Eluned Anne Smith	MIT
	Belle II Highlights	Jake Bennett	University of Mississippi
	Lattice QCD for Heavy Flavor Physics	William Jay	Colorado State University
Collider-based studies of particle physics	W mass, and precision electroweak: status and prospects	Yongbin Feng	Texas Tech
	Particle physics measurements at the EIC	Alessandro Tricoli	BNL
	Status of higher order predictions for electroweak observables	Fernando Febres Cordero	Florida State
Particle physics: formal theory	Non-invertible symmetries	Shu-Heng Shao	MIT
	Black holes	Luca Iliesiu	Berkeley
	S-matrix bootstrap	Sebastian Mizera	Columbia
The Higgs Boson	Higgs properties, incl. fermion and boson couplings	Philip Chang	U. Florida
	Status of Higgs calculations at hadron collider	Bernhard Mistlberger	SLAC
	Searches for new physics in higgs decays	Ben Carlson	
Next generation instrumentation for particle physics	Sensor networks and future applications	M Garcia-Sciveres	LBNL
	Innovative calorimetry	Grace Cummings	FNAL
	4-D solid-state detectors	Artur Apresyan	FNAL
Some near-term aspects of the future of particle physics and collider physics	The Washington Trip	Kiley Kennedy	Princeton
	European strategy update	Anadi Canepa	FNAL
	Physics of future Higgs factories	Matthew McCullough	CERN
muons	Muon g-2: the Final Measurement from Fermilab E989	Lawrence Gibbons	Cornell
	Neutrino Measurements at a Muon Collider	Zahra Tabrizi	Pittsburgh
	MEG-II and Muon CLFV	Atsushi Oya	University of Tokyo
HEP reports	National Academy report	Maria Spiropulu	Caltech
	FCC feasibility study	Michael Benedikt	CERN
	Muon collider	Jeff Eldred	FNAL