

Snowmass at LBNL

Friday, 10 December 2021

High Energy Colliders - 50A-5132 (Sessler) (13:00 - 15:30)

time	[id] title	presenter
13:00	[3] Introduction	NACHMAN, Benjamin
13:10	[4] High-Energy e+e-/gamma-gamma and low-energy demonstrator	NACHMAN, Benjamin SCHROEDER, Carl JACOBS, Peter KNAPEN, Simon PAGAN GRISO, Simone
	- [1] Accelerator design for multi-TeV future colliders and possible on-site 40 GeV-class demonstrator	SCHROEDER, Carl
	- [2] Physics Potential	KNAPEN, Simon PAGAN GRISO, Simone NACHMAN, Benjamin
	- [3] Synergy with EIC and nuclear physics	JACOBS, Peter
	- [4] Discussion (Snowmass whitepaper)	
14:00	[5] High-Energy Hadron Colliders	FERRACIN, Paolo
	- [1] Magnets options and timeline	FERRACIN, Paolo
	- [2] Discussion (and physics opportunities)	
14:30	Coffee Break	
14:40	[6] High-Energy Muon Collider	LI, Derun RESSEGUIE, Elodie KRIZKA, Karol CRAIG, Nathaniel
	- [1] Accelerator	LI, Derun
	- [2] Detector design	RESSEGUIE, Elodie
	- [3] Event Reconstruction	KRIZKA, Karol
	- [4] Uncovered prospects for physics potential	CRAIG, Nathaniel
	- [5] Discussion	