

ICHEP 2020

Tuesday, July 28, 2020

Dark Matter Detection: Session I - Premiere (3:30 PM - 8:30 PM)

-Conveners: Torben Ferber; Silvia Scorza

time	[id] title	presenter
3:30 PM	[1111] New Inelastic Channels for Sub-GeV Dark Matter Scattering	KAHN, Yonatan
3:55 PM	[1048] Dark Matter - phonon scattering	KNAPEN, Simon
4:20 PM	[1042] String fragmentation in supercool confinement as a new dark matter production mechanism	SALA, Filippo
4:45 PM	Coffee break	
5:00 PM	[836] Recent Searches for Hidden-Sector Particles with BABAR	LI, Yunxuan
5:25 PM	[837] Search for an Axion-Like Particle in $B \rightarrow K a$, with $a \rightarrow \gamma \gamma$ at BABAR	SHUVE, Brian
5:50 PM	[583] Dark Sector first results at Belle II	GRAZIANI, Enrico
6:15 PM	Coffee break	
6:30 PM	[887] DarkSide-20k and the Direct Dark Matter Search with Liquid Argon	Dr RIGNANESE, Luigi Pio
6:55 PM	[42] The Light Dark Matter eXperiment, LDMX	WHITBECK, Andrew James
7:20 PM	[136] Dark Matter searches with the ATLAS detector	CARLSON, Ben

Wednesday, July 29, 2020

Dark Matter Detection: Session I - Replay (8:00 AM - 1:00 PM)

Dark Matter Detection: Session II - Premiere (3:30 PM - 8:35 PM)

-Conveners: Silvia Scorza; Caterina Doglioni

time	[id] title	presenter
3:30 PM	[49] MeV neutrino dark matter: Relic density, lepton flavour violation and electron recoil	Dr FIASCHI, Juri
3:55 PM	[1010] The Scintillating Bubble Chamber (SBC) Experiment for Dark Matter and Reactor CEvNS	GIAMPA, Pietro
4:20 PM	[901] Carbon nanostructures for directional light dark matter detection	PANDOLFI, Francesco
4:45 PM	Coffee break	
5:00 PM	[703] NEWS-G: Search for Light Dark Matter with a Spherical Proportional Counter	KNIGHTS, Patrick Ryan
5:25 PM	[919] The DARWIN experiment: the ultimate detector for direct dark matter search.	DI GIOVANNI, Adriano
5:50 PM	[888] Latest Result from DarkSide-50 experiment at LNGS	AGNES, Paolo
6:15 PM	Coffee break	
6:30 PM	[835] SuperCDMS Searches for Low-Mass Particle Dark Matter	Dr KURINSKY, Noah
6:55 PM	[749] Dark matter search results from DEAP-3600 at SNOLAB	VIEL, Simon
7:20 PM	[680] Probing Heavy Dark Matter with the 6-year IceCube HESE data	Dr PALOMARES-RUIZ, Sergio Dr PALOMARES RUIZ, Sergio PALOMARES-RUIZ, Sergio PALOMARES-RUIZ, Sergio

Thursday, July 30, 2020

Dark Matter Detection: Session II - Replay (1:00 AM - 6:00 AM)

Dark Matter Detection: Session III - Premiere (8:00 AM - 1:00 PM)

-Conveners: Torben Ferber; Caterina Doglioni

time	[id] title	presenter
8:00 AM	[937] Latest results from XENON1T and a glimpse into the future with the XENONnT experiment	ELYKOV, Alexey
8:25 AM	[1051] Axion-like particles and dark photons - hints from XENON1T and stellar cooling	KAHLHOEFER, Felix
8:50 AM	[1024] The SENSEI Experiment: An Ultrasensitive Search for Sub-GeV Dark Matter	Mr CABABIE, Mariano
9:15 AM	Coffee break	
9:30 AM	[1028] iDMEu: Initiative for Dark Matter in Europe and beyond	LANFRANCHI, Gaia
9:55 AM	[794] COSINUS: Direct dark matter search with cryogenic NaI detectors	REINDL, Florian
10:20 AM	[856] PICO: searching for dark matter with bubble chambers	VAZQUEZ-JAUREGUI, Eric
10:45 AM	Coffee break	
11:00 AM	[57] NEWSdm: Directional Dark Matter Search with Nuclear Emulsion	ALEXANDROV, Andrey
11:25 AM	[61] Status and Plan of PandaX Experiment	ZHOU, Ning
11:50 AM	[492] New Limits on WIMP Dark Matter from Annual Modulation Analysis of the CDEX Experiment at the China Jinping Underground Laboratory	Dr LI, Hau-Bin

Dark Matter Detection: Session III - Replay (3:30 PM - 8:30 PM)

Friday, July 31, 2020

Dark Matter Detection: Session IV - Premiere (8:00 AM - 1:00 PM)

-Conveners: Jianglei Liu; Caterina Doglioni

time	[id] title	presenter
8:00 AM	[1041] Dark Matter interaction with He-4: an EFT approach	CAPUTO, Andrea CAPUTO, Andrea CAPUTO, Andrea
8:25 AM	[684] Search for the axion dark matter in the mass range of 6.62–6.82 μeV	AHN, Saebyeok
8:50 AM	[252] The LUX-Zeplin Dark Matter Experiment	LIPPINCOTT, Hugh
9:15 AM	Coffee break	
9:30 AM	[260] MADMAX: A Dielectric Haloscope Experiment	LI, Xiaoyue
9:55 AM	[386] Search for dark matter at CMS	KHURANA, Raman
10:20 AM	[427] Searches for dark matter with the CRESST III-Experiment	SCHIECK, Jochen
10:45 AM	Coffee break	
11:00 AM	[428] Measurement of the anti-nuclei nuclear inelastic cross sections with ALICE and implications for indirect Dark Matter searches	KONIGSTORFER, Stephan Alexander
11:25 AM	[429] Understanding the background in dark matter searches by studying anti-nucleosynthesis in the laboratory with ALICE	Mr HORNUNG, Sebastian
11:50 AM	[407] Axion search with BabyIAXO in view of IAXO	GALAN LACARRA, Javier

Dark Matter Detection: Session IV - Replay (3:30 PM - 8:30 PM)