



# International Workshop on Future Linear Colliders, LCWS2021

## Tuesday, March 16, 2021

### PD1/PD3: Theoretical Developments / Physics Analyses - Online Conference (10:00 PM - 11:59 PM)

-Conveners: Jürgen Reuter; Roberto Franceschini; Shigeki Matsumoto; Sven Heinemeyer; Aleksander Filip Zarnecki; Christopher Thomas Potter; Roman Poeschl; Nathaniel Craig; Akimasa Ishikawa

time	[id] title	presenter
10:00	<del>P1</del> [91] Current Status of Bhabha Luminosity at 0.01%	SKRZYPEK, Maciej
10:20	<del>P1</del> [11] Higgs-to-invisible Prospects with SiD	STEINHEBEL, Amanda
10:40	<del>P1</del> [17] H --> tau+,tau- CP Violation Analysis for SiD	BRAUN, Lucas
11:00	<del>P1</del> [15] Probing the NMSSM and MSSM with light neutralino dark matter through Higgs invisible measurements at the ILC	BARMAN, Rahool Kumar
11:20	<del>P1</del> [20] Resolving a challenging supersymmetric low-scale seesaw scenario at the ILC	MASIAS TEVES, JOAQUIN
11:40	<del>P1</del> [4] Exploring Right Handed Neutrinos at ILC	NAKAJIMA, Jurina

# Wednesday, March 17, 2021

## PD1/PD3: Theoretical Developments / Physics Analyses - Online Conference (6:00 AM - 8:00 AM)

-Conveners: **Roberto Franceschini; Christopher Thomas Potter; Shigeki Matsumoto; Sven Heinemeyer; Akimasa Ishikawa; Aleksander Filip Zarnecki; Jürgen Reuter; Nathaniel Craig; Roman Poeschl**

time	[id] title	presenter
6:00 AM	[136] Study of energy deposition patterns in hadron calorimeter for prompt and displaced jets using convolutional neural network	Ms SENGUPTA, Rhitaja
6:20 AM	[144] Testing CP violating Higgs sectors at the International Linear Collider	Mr KUBOTA, Mitsunori
6:40 AM	[141] Search for Extra Scalars Produced in Association with Muon Pairs at the ILC	WANG, Yan
7:00 AM	[14] CLIC sensitivity to invisible scalar decays	Mr MEKALA, Krzysztof
7:20 AM	[12] Dark matter production via light mediator exchange at future $e^+e^-$ colliders	ZARNECKI, Aleksander Filip
7:40 AM	[13] Dark Matter at future $e^+e^-$ colliders: chances of detection vs DM spin	IGLICKI, Michał

## PD1/PD3: Theoretical Developments / Physics Analyses - Online Conference (11:00 AM - 1:00 PM)

-Conveners: **Aleksander Filip Zarnecki; Shigeki Matsumoto; Nathaniel Craig; Sven Heinemeyer; Roberto Franceschini; Jürgen Reuter; Akimasa Ishikawa; Roman Poeschl; Christopher Thomas Potter**

time	[id] title	presenter
11:00 AM	[3] The bottom quark mass and the Higgs boson	VOS, Marcel
11:20 AM	[84] Measuring the CP properties of the Higgs sector at electron-positron colliders	AGATONOVIC-JOVIN, Tatjana
11:40 AM	[32] Heavy Neutrinos at Future Linear $e^+e^-$ Colliders	Mr MEKALA, Krzysztof
12:00 PM	[17] Hunting scalar lepton partners - an example of direct BSM searches at lepton colliders -	BAUM, Sebastian
12:20 PM	[109] Prospects for SUSY discovery or exclusion at future $e^+e^-$ and $pp$ colliders	BERGGREN, Mikael
12:40 PM	[11] NuTools for Colliders	RUIZ, Richard