

Session Program

Apr 15 - 20, 2018



ALPS2018 -- Third Alpine LHC Physics Summit

Contributed talks

UZ Obergurgl
University Center Obergurgl Gaisbergweg 5 6456 Obergurgl Austria

Mon, April 16

4:45 PM

Contributed talks: Flavor and hadron physics

Session | **Location:** UZ Obergurgl, University Center Obergurgl Gaisbergweg 5 6456 Obergurgl Austria

16:45 - 17:00 **B-flavour anomalies in $b \rightarrow sll$ and $b \rightarrow clnu$ transitions at LHCb**

Speaker

Regis Lefevre

17:05 - 17:20 **Results on flavor anomalies at ATLAS and CMS**

Speaker

Stefano Giagu

17:25 - 17:45 **Afternoon break**

17:45 - 18:00 **Search for K^+ to π^+ $\nu \nu$ at NA62**

Speaker

Augusto Ceccucci

18:05 - 18:20 **Prospects for semileptonic B decays at Belle II**

Speaker

Guglielmo De Nardo

18:25 - 18:40 **Search for Heavy Neutral Lepton production in K^+ decays at NA62**

Speaker

Lubos Bician

18:45 - 19:00 **Search for exotic particles at NA62**

Speaker

Gaia Lanfranchi

19:05 - 19:12

YSF: Prospects for CP violation in inclusive and exclusive B decays at Belle II

Speaker

Olga Grzymkowska

19:15 - 19:22 **YSF: Study of Anomalies in Exclusive Semileptonic B Decays**

Speaker

Vincenzo Afferrante

19:25 - 19:32

YSF: Probing the Light Sterile Neutrino Decayed from the Heavy Charged Higgs Boson at the LHC

Speaker

Yilei Tang

19:35 - 19:42 **YSF: Search for BSM with radiative B decays in Belle II**

8:00 PM

Speaker
Sviatoslav Bilokin

Tue, April 17

4:45 PM

Contributed talks: Higgs and the standard model

Session | **Location:** UZ Oberurgl, University Center Oberurgl Gaisbergweg 5 6456 Oberurgl Austria

16:45 - 17:00 **ttH at the LHC**

Speaker

Daniele Madaffari

17:05 - 17:20 **Top-quark mass measurement with the diphoton mass spectrum**

Speaker

Hiroshi Yokoya

17:25 - 17:45 **Afternoon break**

17:45 - 18:00 **Searches for a doubly charged scalar at LHC and future colliders**

Speaker

Margherita Ghezzi

18:05 - 18:20 **Physics potential of the Compact Linear Collider**

Speaker

Marko Petric

18:25 - 18:40

Physics Case for the 250 GeV Stage of the International Linear Collider

Speaker

Jenny List

18:45 - 18:52 **YSF: Study of the H->tau+tau decay channel with ATLAS**

Speaker

Michaela Mlynarikova

18:55 - 19:02

YSF: Constraining the jet energy scale in CMS with photon+jet events

Speaker

Hugues Lattaud

19:05 - 19:12

YSF: Measurement of the cross-section for the associated production of a top quark pair and a W or Z boson with the ATLAS detector

Speaker

Sebastian Heer

19:15 - 19:22

YSF: Search for additional neutral MSSM Higgs bosons in the di-tau final state at CMS

Speaker

Markus Spanring

19:25 - 19:32

YSF: Tests of the electroweak sector sector with Z Boson at the ATLAS Experiment

Speaker

Jonathan Crane

8:00 PM

Wed, April 18

4:45 PM

Contributed talks: Physics beyond the standard model

Session | **Location:** UZ Oberurgl, University Center Oberurgl Gaisbergweg 5 6456 Oberurgl Austria

16:45 - 17:00

On the observable spectrum of theories with a Brout-Englert-Higgs effect

Speaker

Pascal Toerek

17:05 - 17:20

EFT and SM (incl. top, Higgs) measurements

Speaker

James Michael Keaveney

17:25 - 17:55

Afternoon break (+group photo!)

17:55 - 18:02

YSF: Search for SUSY with a Highly Compressed Mass Spectrum in the Soft Single Lepton Channel with the CMS Experiment

Speaker

Mateusz Zarucki

18:05 - 18:12

YSF: Searches for supersymmetric higgsinos with the ATLAS detector

Speaker

Lorenzo Rossini

18:15 - 18:22

YSF: Zeros of the $W_L Z_L \rightarrow W_L Z_L$ amplitude: vector resonances at the LHC

Speaker

Madeleine Adrien

6:40 PM

Thu, April 19

4:45 PM

Contributed talks: Dark matter

Session | **Location:** UZ Obergurgl, University Center Obergurgl Gaisbergweg 5 6456 Obergurgl Austria

16:45 - 17:00 **Dark matter search with XENON1T**

Speaker

Shayne E Reichard

17:05 - 17:20 **Dark sector physics with Belle II**

Speaker

Seokhee Park

17:25 - 17:45 **Afternoon break**

17:45 - 18:00 **Ultra long-lived particles searches with MATHUSLA**

Speaker

Cristiano Alpigiani

18:05 - 18:20 **Displaced vertices from Pseudo-Dirac Dark Matter**

Speaker

Thomas David Jacques

18:25 - 18:40

Directional search for dark matter using nuclear emulsion with NEWSdm

Speaker

Antonia Di Crescenzo

18:45 - 19:00 **Interpretation of non-MET+X ATLAS+CMS searches as DM**

Speaker

Claudia Wulz

19:05 - 19:12 **YSF: Search for b-associated Z' in the dimuon final state at CMS**

Speaker

Denis Rathjens

19:15 - 19:22

YSF: Search for exotic heavy Majorana or Dirac neutrinos and right-handed W gauge boson in events with two high-pT (same- or opposite-sign) charged leptons and two high-pT jets with ATLAS

Speaker

Wenxiao Wang

19:25 - 19:32

YSF: Search for top squarks and dark matter particles in opposite-charge dilepton final states at CMS

Speaker

Daniel Spitzbart

8:00 PM