

La Thuile 2017

**Scientific Programme** 

SCIENTIFIC PROGRAMME	
Monday, March 6	
I. Cosmology and Astroparticle Physics	
8.30-11.30	
Physics of Gravitational Waves	Valeria Ferrari, Roma
Towards Study of Gravitational Wave in Space  coffee break	Gudrun Wanner, Hannover
On the Relaxation of the Cosmological Constant	Enrico Trincherini, Pisa
GeV Gamma-Rays from the Galactic Center: Diffuse Emission, Unresolved Sources and	Dmitry Malyshev, Erlangen
Dark Matter Contributions	
Primordial Black Hole Formation	Alexander Dolgov, Ferrara
Cosmology with the CMB: Planck and Beyond	Paolo Natoli, Ferrara
II. Neutrino Physics	
16.00-19:00	
Overview on Neutrino Electromagnetic Properties	Alexander Studenikin, MSU /JINR
More Results from the OPERA Experiment	Giuliana Galati, Napoli
Recent Progress in Neutrino Physics: a Theoretical Overview	Pilar Hernandez IFIC
Newest NOVA Results on Theta_13 and CPV in Neutrino Sector	Evan Niner, FNAL
Results and Perspectives from T2K on CPV in Neutrino Sector	Anna Dabrowska, Cracow
Short Distance Neutrino Oscillations with Borexino	Barbara Caccianiga, Milano
Measurement of the PMNS Matrix Element Theta_13 and CPV Parameters with Double Chooz	Anthony Onillon, APC
Tuesday, March 7	
III. Dark Matter Searches	
8.30-11-30	
Theoretical Models for Dark Matter	Giorgio Busoni, Melbourne
Dark Matter Models Beyond the WIMP Paradigm	Michael Baker, Meinz
Dark Matter and Composite Weak Bosons	Harald Fritzsch, Munich
coffee break	
Status and Perspectives of the DARKSIDE Experiment at LNGS	Paolo Agnes, Paris
Status Report of the Xenon1T Experiment	Julien Masbou, Subatech
Prospects for Direct Dark-Matter Detection and 0n2b Expriments	Laura Baudis, Zurich
IV. Dark Matter and Neutrino Physics	
16.30-17:20	
GERDA Search for Neutrinoless DB Decay	Marcin Misiaszek, Krakow
Status and Perspectives of CUORE Experiment at LNGS	Vivek Singh, Berkeley
Young Scientists Forum	
17:20-18:35	
RH Neutrinos: Dark Matter and LFV	Meziane Chekkal, Oran
Inclusive Photon Cross Section at 13 TeV (ATLAS)	Ana Rosario Cueto Gomez, Madri
Observation of the Decay Xib>pKK	Abhijit Mathad, Warwick
Observation of the Rare Decays Lambda_0>p pi- mu+mu-	Eluned Smith, Aachen
W Boson Production in Association with Jets at CMS	Kadir Ocalan,Konya
V. Heavy lons	
18:35-19:30	
Heavy-Ion Physics with ALICE	Jochen Klein, CERN
Heavy Ions at CMS	Gabor Veres, CERN

Wednesday, March 8	
VI. Heavy Flavour Spectroscopy	
8.30-12:00	
BESIII - Oveview (including hadron spectroscopy)	Malte Albrecht, Bochum
BESIII - Observation fo Charmoniumlike Structure in Pipipsi (2S)	Yateng Zhang, HeFei
Production of the Quarkonia States with the ATLAS Detector	Lailin Xu, Brookhaven
coffee break	
Heavy Flavour Production and Spectroscopy at LHCb	Jolanta Brodzicka, Manchester
Mixing and CP Violation in D- and B-Meson Systems at LHCb	Anita Nandi, Oxford
Recent Progress on Lattice QCD for Kaon Physics	Xu Feng, Bejing
New Limits on Heavy Neutrino Searches from NA62	Karim Massri, CERN
VII. Elevative Physics	
VII. Flavour Physics	
16.00-18.00	Alvaro Do Puiula CERN
The November 1974 Revolution, Charmonium and Much More B-Physics Anomalies: SM vs NP	Alvaro De Rujula, CERN Sébastien Descotes-Genon, Orsc
Lepton Flavour Universality Tests at LHCb:	Stefanie Reichert, CERN
New Physics Searches with b->sll Transitions and Rare Decays at LHCb	Kristof De Bruyn, Marseille
NP in Flavour Observables	Andreas Crivellin, PSI
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VIII. Special Session "Physics and Society"	
18.00-19:30	
SESAME: A Source of Light in the Middle East	Zehra Sayers, Istanbul
Pencilled-in Big Physics	Vincenzo Palermo, Bologna
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Thursday, March 9	
IX. QCD and Electroweak Physics	
8.30-11.30	
Progress in QCD for the LHC	Fabrizio Caola, CERN
Electroweak and QCD Physics at CMS	Daniele Trocino, Northeastern
Measurements of Underlying Event Properties and pQCD with Photons, Jets and Vector Boson +Jets with ATLAS	Frank Siegert, Dresden
Electroweak Precision Observables and Higgs Signal Strengths in the Standard Model and	Luca Silvestrini, Roma
Beyond: Present and Future	
coffee break	
Recent Results from D0	Boris Tuchming, Saclay
Hadronic Contribution to G-2 of the Muon and the Fine Structure Constant at the  Mass Scale  Z	- Cesareo Dominguez, Cape Towr
Hadronic Light-by-Light Contribution to (G-2) within a Dispersive Approach	Gilberto Colangelo, Bern
X. Electroweak and Top Physics	
16.30-19.30	17 39 17
Standard-Model Precision Measurements with W and Z Bosons Using the ATLAS Detector	Vasiliki Kouskoura, Brookhaven
Top, EWK and Recent Results from the Tevatron	Donatella Lucchesi, Padova
H(125) SM Boson Measurements at CMS	Martina Malberti, Milano
Electroweak Physics at LHC as a BSM Probe	Francesco Riva, CERN
Recent Progress in Top-Quark Physics and ttH	Eleni Vryonidou, Nikhef
LOD CHARK MEAGUREMENTS AT CMS	Denys Lontkovsky, Brussels
Top Quark Measurements at CMS  Top Production and Top Properties Measurements with ATLAS	Wolfgang Wagner, Wuppertal

Friday, March 10	
KI. Searching for New Physics	
.30-11.30	
BSM Higgs Boson Searches at CMS	Federica Primavera, LNF
Dark Matter Searches at CMS	Bhawna Gomber, Wisconsin
Searching for Dark Matter Beyond SUSY with the ATLAS Detector	Frederik Ruehr, Freiburg
coffee break	
Flavour Anomalies vs. High-pT Physics	Admir Greljo, Zurich
Strongly Interacting BSM	Francesco Sannino, Odense
Searching for Exotic Physics with the ATLAS Detector	Pierre-Antoine Delsart, Grenoble
New Physics (non-SUSY) Searches at CMS	Mikhailo Dalchenko, Texas A&M
(II. Searching for New Physics - continued	
6.30-18:35	
SUSY Searches at CMS	Florent Sylvain Lacroix, UC Riversic
Low-Energy SUSY Facing LHC Constraints	Emanuele A. Bagnaschi, DESY
Searches for Strongly Produced SUSY Particles Including R-Parity Violating Decays with ATLAS	Takashi Yamanaka, Tokyo
Searches for Third Generation Squarks, and for Electroweak Production of Charginos and Neutralinos in ATLAS	Federica Legger, Munich
Perspectives of Direct Detection of Supersymmetric Dark Matter within the MSSM and NMSSM Framework	Dmitry Kazakov, JINR
oung Scientists Forum 8:35-19:35	
Differential Cross Section of Top Quark (ATLAS)	Abigail O'Rourke, Hamburg
	Heiner Tholen Hambua

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18:35-19:35	
Differential Cross Section of Top Quark (ATLAS)	Abigail O'Rourke, Hamburg
Search for Single Production of a Vector-Like T Quark Decaying into a Top Quark and a Higgs Boson	Heiner Tholen, Hambug
The Mu2e Experiment at Fermilab: Design and Status	Raffaella Donghia, Roma
Photon-Initiated processes at the LHC	Juri Fiaschi, Southampton
Saturday, March 11	
X. Perspectives	
9:00 – 10:30	
The PADME Experiment for Dark Mediator Searches at the Frascati BTF	Venelin Kozhuharov, Sofia
BELLEII Status and Physics Prospects	Pablo Goldenzweig, Karlsruhe
Physics Opportunities with an Upgraded LHCb Detector in the HL-LHC Era	Sascha Stahl, CERN
The Day after LHC - Plans and Prospects for Future Accelerators	Franco Bedeschi, Pisa