

Summer School and Workshop on the Standard Model and Beyond

August 31 - September 12, 2016

Wednesday August 31st
Arrival / Registration day

Thursday Sept 1st

School lectures		
10:00 - 11:00	Opening	
11:00 - 11:30	Coffee break	
11:30 - 12:30	S. Dittmaier (Freiburg U.)	Electroweak Standard Model 1
12:30 - 13:30	S. Dittmaier (Freiburg U.)	Electroweak Standard Model 2
13:30 - 16:00	Lunch break	
Workshop talks		
16:00 - 16:30	A. Di Domenico (Sapienza U., Rome & INFN)	Precision tests of CPT symmetry and Quantum coherence with entangled neutral K
16:30- 17:00	Y. Hosotani (Osaka U.)	New Dimensions from Gauge-Higgs Unification
School lectures		
17:00-18:00	A. De Roeck (CERN)	Higgs Physics - Experimental
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
Workshop talks		
18:50 - 19:20	P. Osland (Bergen U.)	Vacua of an S3-symmetric scalar potential
19:20-19:35	M. Niedziela (Hamburg U.)	Jet energy resolution calculation at CMS
19:35-19:50	S. Kurz (Hamburg U.)	Search for supersymmetry in the multijet and missing transverse momentum final state in pp collisions at 13 TeV

Friday Sept 2nd

School lectures		
9:00 - 10:00	S. Dittmaier (Freiburg U.)	Electroweak Standard Model 3
10:00 - 11:00	S. Dittmaier (Freiburg U.)	Electroweak Standard Model 4
11:00 - 11:30	Coffee break	
11:30 - 12:30	A. Pich (IFIC, Valencia U. CSIC)	Flavor Physics 1
12:30 - 13:30	A. Pich (IFIC, Valencia U. CSIC)	Flavor Physics 2
13:30 - 16:00	Lunch break	
16:00 - 17:00	A. De Roeck (CERN)	CMS - Physics Results
Workshop talks		
17:00 - 17:30	V. Mitsou (U. Valencia IFIC)	Status, results and prospects from the MoEDAL experiment at LHC
17:30-18:00	P. Lavrov (Tomsk State Pedagogical U.)	Effective action with composite fields and Clairaut-type equations
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
18:50 - 19:20	M. Krawczyk (Warsaw U.)	IDM and not only
19:20-19:35	F. Scarcella (Bologna U.)	Charged LFV from Low Scale Seesaw Neutrinos
19:35-19:50	C. Roca (MPIK Heidelberg)	Sterile neutrino search in the STEREO Experiment

Saturday Sept. 3rd

School lectures		
9:00 - 10:00	A. Mitov (Cambridge U.)	QCD 1
10:00 - 11:00	A. Mitov (Cambridge U.)	QCD 2
11:00 - 11:30		
11:30 - 12:30	W. Hollik (MPI Munich)	Introduction of SUSY and the MSSM 1
12:30 - 13:30	W. Hollik (MPI Munich)	Introduction of SUSY and the MSSM 2
13:30 - 16:00	Lunch break	
16:00 - 17:00	A. De Roeck (CERN)	FCC
Workshop talks		
17:00 - 17:30	V. Mitsou (U. Valencia IFIC)	SUSY@ATLAS
17:30 - 18:00	N. Mavromatos (King's College)	Self-Interacting Right Handed Neutrinos as Warm Dark Matter and Galactic Structure
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
18:50 - 19:20	N. Harnew (Oxford U.)	Measuring the unitarity triangle with LHCb
19:20 - 19:50	D. Karamitros (Ioannina U.)	Effective Theory for Electroweak Doublet Dark Matter

Sunday Sept 4th

School lectures		
9:00 - 10:00	J. Valle (Valencia U.)	Neutrinos (theory) 1
10:00 - 11:00	J. Valle (Valencia U.)	Neutrinos (theory) 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	I. Antoniadis (Bern U. and LPTHE-CNRS)	Extra Dimensions 1
12:30 - 13:30	S. Pokorski (U. Warsaw)	LHC vs Physics Beyond the Standard Model 1
13:30 - 16:00	Lunch break	
School lectures		
16:00 - 17:00	A. Mitov (Cambridge U.)	QCD 3
17:00 - 18:00	M. Lindner (MPI, Heidelberg)	Dark Matter searches
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
Workshop and student's talks		
18:50 - 19:20	M. Owen (Glasgow U.)	Top quark measurements with the ATLAS detector
19:20-19:35	A. Platania (INAF, INFN, Catania U.)	Asymptotically Safe gravitational collapse: Kuroda-Papapetrou RG-improved model
19:35-19:50	F. Preiato (U. Rome "La Sapienza" & INFN-Rome)	Search for resonances in dijet final states at $\sqrt{s}=13\text{eV}$

Monday Sept 5th

School lectures		
9:00 - 10:00	E. Rondio (Warsaw U.)	Neutrinos (experimental)
10:00 - 11:00	I. Antoniadis (Bern U. and LPTHE-CNRS)	Extra Dimensions 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	G. Ross (Oxford U.)	GUTs 1
12:30 - 13:30	S. Pokorski (U. Warsaw)	LHC vs Physics Beyond the Standard Model 2
13:30 - 16:00	Lunch break	
16:00 - 17:00	L. Fayard (Orsay, LAL)	ATLAS - Physics Results
Workshop talks		
17:00 - 17:30	G. Leontaris (Ioannina U.)	F-Theory Models and New Physics Phenomena
17:30 - 18:00	J. Buchbinder (Tomsk State Pedagogical U.)	On the divergence structure of the 6D, (1,0) supersymmetric gauge theories
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
18:50 - 19:20	K. Huitu (U. Helsinki)	Charged Higgs Beyond the MSSM at the LHC
19:20-19:35	L. Russo (INFN Firenze & Università di Siena)	First Results on Higgs to WW at $\sqrt{S}=13\text{TeV}$ with CMS detector
19:35-19:50	G. Knippen (Freiburg U.)	NLO corrections to WWW production at proton-proton colliders
19:50 - 20:05	A. Tokareva (EPFL)	Polarization of photons emitted by decaying dark matter

Tuesday Sept. 6th

School lectures		
9:00 - 10:00	T. Hahn (MPI Munich)	Codes/Tools 1
10:00 - 11:00	F. del Aguila (Granada U.)	Effective Field Theories
11:00 - 11:30	Coffee break	
11:30 - 12:30	M. Pepe-Altarelli (CERN)	LHCb - Physics Results
12:30 - 13:30	G. Ross (Oxford U.)	GUTs 2
13:30 - 16:00	Lunch break	
Workshop and student's talks		
16:00 - 16:45	J.E. Kim (Daejeon & Seoul N. & Kyung Hee U.)	Strong CP problem, axions, and cosmological implications of CP violation.
16:45 - 17:15	J. Veatch (Göttingen U.)	Exotics and BSM Higgs searches with the ATLAS detector
17:15 - 17:45	N. Irges (NTUA)	Non-perturbative Gauge-Higgs Unification
17:45 - 18:15	L. Diaz-cruz (FCFM BUAP)	Higgs couplings and new signals in multi-Higgs models with flavons and DM
18:15 - 18:30	Coffee break	
18:30 - 18:50	Discussion	
Workshop talks		
18:50 - 19:20	M. Mondragon (Instituto de Fisica, UNAM)	Reduction of couplings in the FUTs and the MSSM
18:20 - 19:35	M. Artymowski (Jagiellonian U.)	Generally flat inflationary potentials
19:35-19:50	O. Czerwinska (Warsaw U.)	The impact of non-minimally coupled gravity on vacuum stability
19:50 - 20:05	P. Olszewski (Warsaw U.)	Scale symmetry without the anomaly

Wednesday Sept 7th**Excursion****Thursday Sept 8th**

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9:00 - 10:00	P. Nilles (Bonn U.)	SUSY/SUGRA 1
10:00 - 11:00	P. Nilles (Bonn U.)	SUSY/SUGRA 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	K. Buesser (DESY)	ILC
12:30 - 13:30	E. Sicking (CERN)	CLIC
13:30 - 16:00	Lunch break	
16:00 - 17:00	F. Knechtli (Wuppertal U)	Lattice QCD
Workshop and student's talks		
17:00 - 17:30	G. Hesketh (UCL)	Recent highlights of Electroweak and QCD studies with the ATLAS detector
17:30 - 18:00	E. Paschos (Dortmund U.)	Neutrino properties: 1. The Reactor Anomaly 2. Methods for detecting tau-neutrinos at neutrino telescopes (Antares, Ice Cube, Lake Baikal,...)
18:00- 18:20	Coffee break	

18:20 - 18:50	Discussion	
18:50 - 19:20	M. Nemevsek (Stefan Inst., Ljubljana)	Higgs physics and Lepton number violation
19:20 - 19:50	I. Dorsner (Split U.)	One-loop neutrino mass in SU(5)

Friday Sept 9th

School lectures		
9:00 - 10:00	P. Aschieri (Alessandria U.)	Introduction to Noncommutativity 1
10:00 - 11:00	P. Aschieri (Alessandria U.)	Introduction to Noncommutativity 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	A. Nielsen (AEI, Hannover)	Gravitational Waves
12:30 - 13:30	T. Hahn (MPI Munich)	Codes/Tools 1
13:30 - 16:00	Lunch break	
Workshop and student's talks		
16:00 - 16:30	M. Agathos (NIKHEF)	Gravitational Waves & Testing GR
16:30 - 17:00	M. Totzauer (MPI, Munich)	Production mechanism
17:00 - 17:30	N. De Groot (Radboud)	Latest Higgs Physics results from the ATLAS experimen
17:30 - 18:00	A. Pachol (Queen Mary, London U.)	Modified dispersion relations from noncommutativity in curved background
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20.00 Greek Night

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10:00 - 11:00	G. Lazarides (AUTH)	Astroparticle Physics and Cosmology 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	K. Papadodimas (U. Groningen & CERN)	String Theory 1
12:30 - 13:30	K. Papadodimas (U. Groningen & CERN)	String Theory 2
13:30 - 16:00	Lunch break	
Workshop and student's talks		
16:00 - 16:30	F. Buccella (Naples U. & INFN, Naples)	Non Leptonic Decays : a Long Story
16:30 - 17:00	S. Lola (U. Patras)	Lepton flavour violation at the LHC
17:00 - 17:30	H. B. Nielsen (NBI)	Interpretation of the 750 GeV diphoton as a bound state
17:30 - 18:00	M. Tanimoto (Niigata U.)	Neutrino Mass Matrix and the Sign of Universe's Baryon Asymmetry
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
18:50 - 19:20	N. Antoniou (Athens U.)	The Phase Diagram of QCD Matter

Sunday Sept 11th

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10:00 - 11:00	G. Lazarides (AUTH)	Astroparticle Physics and Cosmology 4
11:00 - 11:30	Coffee break	
11:30 - 12:30	K. Papadodimas (U. Groningen & CERN)	Gauge/Gravity Duality 1
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19:20 - 19:50	D. Karamitros (Ioannina U.)	Effective Theory for Electroweak Doublet Dark Matter

Sunday Sept 4th

School lectures		
9:00 - 10:00	J. Valle (Valencia U.)	Neutrinos (theory) 1
10:00 - 11:00	J. Valle (Valencia U.)	Neutrinos (theory) 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	I. Antoniadis (Bern U. and LPTHE-CNRS)	Extra Dimensions 1
12:30 - 13:30	S. Pokorski (U. Warsaw)	LHC vs Physics Beyond the Standard Model 1
13:30 - 16:00	Lunch break	
School lectures		
16:00 - 17:00	A. Mitov (Cambridge U.)	QCD 3
17:00 - 18:00	M. Lindner (MPI, Heidelberg)	Dark Matter searches
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
Workshop and student's talks		
18:50 - 19:20	M. Owen (Glasgow U.)	Top quark measurements with the ATLAS detector
19:20-19:35	A. Platania (INAF, INFN, Catania U.)	Asymptotically Safe gravitational collapse: Kuroda-Papapetrou RG-improved model
19:35-19:50	F. Preiato (U. Rome "La Sapienza" & INFN-Rome)	Search for resonances in dijet final states at $\sqrt{s}=13\text{eV}$ "

Monday Sept 5th

School lectures		
9:00 - 10:00	E. Rondio (Warsaw U.)	Neutrinos (experimental)
10:00 - 11:00	I. Antoniadis (Bern U. and LPTHE-CNRS)	Extra Dimensions 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	G. Ross (Oxford U.)	GUTs 1
12:30 - 13:30	S. Pokorski (U. Warsaw)	LHC vs Physics Beyond the Standard Model 2
13:30 - 16:00	Lunch break	
16:00 - 17:00	L. Fayard (Orsay, LAL)	ATLAS - Physics Results
Workshop talks		
17:00 - 17:30	G. Leontaris (Ioannina U.)	F-Theory Models and New Physics Phenomena
17:30 - 18:00	J. Buchbinder (Tomsk State Pedagogical U.)	On the divergence structure of the 6D, (1,0) supersymmetric gauge theories
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
18:50 - 19:20	K. Huitu (U. Helsinki)	Charged Higgs Beyond the MSSM at the LHC
19:20-19:35	L. Russo (INFN Firenze & Università di Siena)	First Results on Higgs to WW at $\sqrt{S}=13\text{TeV}$ with CMS detector
19:35-19:50	G. Knippen (Freiburg U.)	NLO corrections to WWW production at proton-proton colliders
19:50 - 20:05	A. Tokareva (EPFL)	Polarization of photons emitted by decaying dark matter

Tuesday Sept. 6th

School lectures		
9:00 - 10:00	T. Hahn (MPI Munich)	Codes/Tools 1
10:00 - 11:00	F. del Aguila (Granada U.)	Effective Field Theories
11:00 - 11:30	Coffee break	
11:30 - 12:30	M. Pepe-Altarelli (CERN)	LHCb - Physics Results
12:30 - 13:30	G. Ross (Oxford U.)	GUTs 2
13:30 - 16:00	Lunch break	
Workshop and student's talks		
16:00 - 16:45	J.E. Kim (Daejeon & Seoul N. & Kyung Hee U.)	Strong CP problem, axions, and cosmological implications of CP violation.
16:45 - 17:15	J. Veatch (Göttingen U.)	Exotics and BSM Higgs searches with the ATLAS detector
17:15 - 17:45	N. Irges (NTUA)	Non-perturbative Gauge-Higgs Unification
17:45 - 18:15	L. Diaz-cruz (FCFM BUAP)	Higgs couplings and new signals in multi-Higgs models with flavons and DM
18:15 - 18:30	Coffee break	
18:30 - 18:50	Discussion	
Workshop talks		
18:50 - 19:20	M. Mondragon (Instituto de Fisica, UNAM)	Reduction of couplings in the FUTs and the MSSM
18:20 - 19:35	M. Artymowski (Jagiellonian U.)	Generally flat inflationary potentials
19:35-19:50	O. Czerwinska (Warsaw U.)	The impact of non-minimally coupled gravity on vacuum stability
19:50 - 20:05	P. Olszewski (Warsaw U.)	Scale symmetry without the anomaly

Wednesday Sept 7th**Excursion****Thursday Sept 8th**

School lectures		
9:00 - 10:00	P. Nilles (Bonn U.)	SUSY/SUGRA 1
10:00 - 11:00	P. Nilles (Bonn U.)	SUSY/SUGRA 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	K. Buesser (DESY)	ILC
12:30 - 13:30	E. Sicking (CERN)	CLIC
13:30 - 16:00	Lunch break	
16:00 - 17:00	F. Knechtli (Wuppertal U)	Lattice QCD
Workshop and student's talks		
17:00 - 17:30	G. Hesketh (UCL)	Recent highlights of Electroweak and QCD studies with the ATLAS detector
17:30 - 18:00	E. Paschos (Dortmund U.)	Neutrino properties: 1. The Reactor Anomaly 2. Methods for detecting tau-neutrinos at neutrino telescopes (Antares, Ice Cube, Lake Baikal,...)
18:00- 18:20	Coffee break	

18:20 - 18:50	Discussion	
18:50 - 19:20	M. Nemevsek (Stefan Inst., Ljubljana)	Higgs physics and Lepton number violation
19:20 - 19:50	I. Dorsner (Split U.)	One-loop neutrino mass in SU(5)

Friday Sept 9th

School lectures		
9:00 - 10:00	P. Aschieri (Alessandria U.)	Introduction to Noncommutativity 1
10:00 - 11:00	P. Aschieri (Alessandria U.)	Introduction to Noncommutativity 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	A. Nielsen (AEI, Hannover)	Gravitational Waves
12:30 - 13:30	T. Hahn (MPI Munich)	Codes/Tools 1
13:30 - 16:00	Lunch break	
Workshop and student's talks		
16:00 - 16:30	M. Agathos (NIKHEF)	Gravitational Waves & Testing GR
16:30 - 17:00	M. Totzauer (MPI, Munich)	Production mechanism
17:00 - 17:30	N. De Groot (Radboud)	Latest Higgs Physics results from the ATLAS experimen
17:30 - 18:00	A. Pachol (Queen Mary, London U.)	Modified dispersion relations from noncommutativity in curved background
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	

20.00 Greek Night

Saturday Sept 10th

School lectures		
9:00 - 10:00	G. Lazarides (AUTH)	Astroparticle Physics and Cosmology 1
10:00 - 11:00	G. Lazarides (AUTH)	Astroparticle Physics and Cosmology 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	K. Papadodimas (U. Groningen & CERN)	String Theory 1
12:30 - 13:30	K. Papadodimas (U. Groningen & CERN)	String Theory 2
13:30 - 16:00	Lunch break	
Workshop and student's talks		
16:00 - 16:30	F. Buccella (Naples U. & INFN, Naples)	Non Leptonic Decays : a Long Story
16:30 - 17:00	S. Lola (U. Patras)	Lepton flavour violation at the LHC
17:00 - 17:30	H. B. Nielsen (NBI)	Interpretation of the 750 GeV diphoton as a bound state
17:30 - 18:00	M. Tanimoto (Niigata U.)	Neutrino Mass Matrix and the Sign of Universe's Baryon Asymmetry
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
18:50 - 19:20	N. Antoniou (Athens U.)	The Phase Diagram of QCD Matter

Sunday Sept 11th

School lectures		
9:00 - 10:00	G. Lazarides (AUTH)	Astroparticle Physics and Cosmology 3
10:00 - 11:00	G. Lazarides (AUTH)	Astroparticle Physics and Cosmology 4
11:00 - 11:30	Coffee break	
11:30 - 12:30	K. Papadodimas (U. Groningen & CERN)	Gauge/Gravity Duality 1
12:30 - 13:30	K. Papadodimas (U. Groningen & CERN)	Gauge/Gravity Duality 2

Closing!

Summer School and Workshop on the Standard Model and Beyond

August 31 - September 12, 2016

Wednesday August 31st
Arrival / Registration day

Thursday Sept 1st

School lectures		
10:00 - 11:00	Opening	
11:00 - 11:30	Coffee break	
11:30 - 12:30	S. Dittmaier (Freiburg U.)	Electroweak Standard Model 1
12:30 - 13:30	S. Dittmaier (Freiburg U.)	Electroweak Standard Model 2
13:30 - 16:00	Lunch break	
Workshop talks		
16:00 - 16:30	A. Di Domenico (Sapienza U., Rome & INFN)	Precision tests of CPT symmetry and Quantum coherence with entangled neutral K
16:30- 17:00	Y. Hosotani (Osaka U.)	New Dimensions from Gauge-Higgs Unification
School lectures		
17:00-18:00	A. De Roeck (CERN)	Higgs Physics - Experimental
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
Workshop talks		
18:50 - 19:20	P. Osland (Bergen U.)	Vacua of an S3-symmetric scalar potential
19:20-19:35	M. Niedziela (Hamburg U.)	Jet energy resolution calculation at CMS
19:35-19:50	S. Kurz (Hamburg U.)	Search for supersymmetry in the multijet and missing transverse momentum final state in pp collisions at 13 TeV

Friday Sept 2nd

School lectures		
9:00 - 10:00	S. Dittmaier (Freiburg U.)	Electroweak Standard Model 3
10:00 - 11:00	S. Dittmaier (Freiburg U.)	Electroweak Standard Model 4
11:00 - 11:30	Coffee break	
11:30 - 12:30	A. Pich (IFIC, Valencia U. CSIC)	Flavor Physics 1
12:30 - 13:30	A. Pich (IFIC, Valencia U. CSIC)	Flavor Physics 2
13:30 - 16:00	Lunch break	
16:00 - 17:00	A. De Roeck (CERN)	CMS - Physics Results
Workshop talks		
17:00 - 17:30	V. Mitsou (U. Valencia IFIC)	Status, results and prospects from the MoEDAL experiment at LHC
17:30-18:00	P. Lavrov (Tomsk State Pedagogical U.)	Effective action with composite fields and Clairaut-type equations
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
18:50 - 19:20	M. Krawczyk (Warsaw U.)	IDM and not only
19:20-19:35	F. Scarcella (Bologna U.)	Charged LFV from Low Scale Seesaw Neutrinos
19:35-19:50	C. Roca (MPIK Heidelberg)	Sterile neutrino search in the STEREO Experiment

Saturday Sept. 3rd

School lectures		
9:00 - 10:00	A. Mitov (Cambridge U.)	QCD 1
10:00 - 11:00	A. Mitov (Cambridge U.)	QCD 2
11:00 - 11:30		
11:30 - 12:30	W. Hollik (MPI Munich)	Introduction of SUSY and the MSSM 1
12:30 - 13:30	W. Hollik (MPI Munich)	Introduction of SUSY and the MSSM 2
13:30 - 16:00	Lunch break	
16:00 - 17:00	A. De Roeck (CERN)	FCC
Workshop talks		
17:00 - 17:30	V. Mitsou (U. Valencia IFIC)	SUSY@ATLAS
17:30 - 18:00	N. Mavromatos (King's College)	Self-Interacting Right Handed Neutrinos as Warm Dark Matter and Galactic Structure
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
18:50 - 19:20	N. Harnew (Oxford U.)	Measuring the unitarity triangle with LHCb
19:20 - 19:50	D. Karamitros (Ioannina U.)	Effective Theory for Electroweak Doublet Dark Matter

Sunday Sept 4th

School lectures		
9:00 - 10:00	J. Valle (Valencia U.)	Neutrinos (theory) 1
10:00 - 11:00	J. Valle (Valencia U.)	Neutrinos (theory) 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	I. Antoniadis (Bern U. and LPTHE-CNRS)	Extra Dimensions 1
12:30 - 13:30	S. Pokorski (U. Warsaw)	LHC vs Physics Beyond the Standard Model 1
13:30 - 16:00	Lunch break	
School lectures		
16:00 - 17:00	A. Mitov (Cambridge U.)	QCD 3
17:00 - 18:00	M. Lindner (MPI, Heidelberg)	Dark Matter searches
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
Workshop and student's talks		
18:50 - 19:20	M. Owen (Glasgow U.)	Top quark measurements with the ATLAS detector
19:20-19:35	A. Platania (INAF, INFN, Catania U.)	Asymptotically Safe gravitational collapse: Kuroda-Papapetrou RG-improved model
19:35-19:50	F. Preiato (U. Rome "La Sapienza" & INFN-Rome)	Search for resonances in dijet final states at $\sqrt{s}=13\text{eV}$ "

Monday Sept 5th

School lectures		
9:00 - 10:00	E. Rondio (Warsaw U.)	Neutrinos (experimental)
10:00 - 11:00	I. Antoniadis (Bern U. and LPTHE-CNRS)	Extra Dimensions 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	G. Ross (Oxford U.)	GUTs 1
12:30 - 13:30	S. Pokorski (U. Warsaw)	LHC vs Physics Beyond the Standard Model 2
13:30 - 16:00	Lunch break	
16:00 - 17:00	L. Fayard (Orsay, LAL)	ATLAS - Physics Results
Workshop talks		
17:00 - 17:30	G. Leontaris (Ioannina U.)	F-Theory Models and New Physics Phenomena
17:30 - 18:00	J. Buchbinder (Tomsk State Pedagogical U.)	On the divergence structure of the 6D, (1,0) supersymmetric gauge theories
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
18:50 - 19:20	K. Huitu (U. Helsinki)	Charged Higgs Beyond the MSSM at the LHC
19:20-19:35	L. Russo (INFN Firenze & Università di Siena)	First Results on Higgs to WW at $\sqrt{S}=13\text{TeV}$ with CMS detector
19:35-19:50	G. Knippen (Freiburg U.)	NLO corrections to WWW production at proton-proton colliders
19:50 - 20:05	A. Tokareva (EPFL)	Polarization of photons emitted by decaying dark matter

Tuesday Sept. 6th

School lectures		
9:00 - 10:00	T. Hahn (MPI Munich)	Codes/Tools 1
10:00 - 11:00	F. del Aguila (Granada U.)	Effective Field Theories
11:00 - 11:30	Coffee break	
11:30 - 12:30	M. Pepe-Altarelli (CERN)	LHCb - Physics Results
12:30 - 13:30	G. Ross (Oxford U.)	GUTs 2
13:30 - 16:00	Lunch break	
Workshop and student's talks		
16:00 - 16:45	J.E. Kim (Daejeon & Seoul N. & Kyung Hee U.)	Strong CP problem, axions, and cosmological implications of CP violation.
16:45 - 17:15	J. Veatch (Göttingen U.)	Exotics and BSM Higgs searches with the ATLAS detector
17:15 - 17:45	N. Irges (NTUA)	Non-perturbative Gauge-Higgs Unification
17:45 - 18:15	L. Diaz-cruz (FCFM BUAP)	Higgs couplings and new signals in multi-Higgs models with flavons and DM
18:15 - 18:30	Coffee break	
18:30 - 18:50	Discussion	
Workshop talks		
18:50 - 19:20	M. Mondragon (Instituto de Fisica, UNAM)	Reduction of couplings in the FUTs and the MSSM
18:20 - 19:35	M. Artymowski (Jagiellonian U.)	Generally flat inflationary potentials
19:35-19:50	O. Czerwinska (Warsaw U.)	The impact of non-minimally coupled gravity on vacuum stability
19:50 - 20:05	P. Olszewski (Warsaw U.)	Scale symmetry without the anomaly

Wednesday Sept 7th**Excursion****Thursday Sept 8th**

School lectures		
9:00 - 10:00	P. Nilles (Bonn U.)	SUSY/SUGRA 1
10:00 - 11:00	P. Nilles (Bonn U.)	SUSY/SUGRA 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	K. Buesser (DESY)	ILC
12:30 - 13:30	E. Sicking (CERN)	CLIC
13:30 - 16:00	Lunch break	
16:00 - 17:00	F. Knechtli (Wuppertal U)	Lattice QCD
Workshop and student's talks		
17:00 - 17:30	G. Hesketh (UCL)	Recent highlights of Electroweak and QCD studies with the ATLAS detector
17:30 - 18:00	E. Paschos (Dortmund U.)	Neutrino properties: 1. The Reactor Anomaly 2. Methods for detecting tau-neutrinos at neutrino telescopes (Antares, Ice Cube, Lake Baikal,...)
18:00- 18:20	Coffee break	

18:20 - 18:50	Discussion	
18:50 - 19:20	M. Nemevsek (Stefan Inst., Ljubljana)	Higgs physics and Lepton number violation
19:20 - 19:50	I. Dorsner (Split U.)	One-loop neutrino mass in SU(5)

Friday Sept 9th

School lectures		
9:00 - 10:00	P. Aschieri (Alessandria U.)	Introduction to Noncommutativity 1
10:00 - 11:00	P. Aschieri (Alessandria U.)	Introduction to Noncommutativity 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	A. Nielsen (AEI, Hannover)	Gravitational Waves
12:30 - 13:30	T. Hahn (MPI Munich)	Codes/Tools 1
13:30 - 16:00	Lunch break	
Workshop and student's talks		
16:00 - 16:30	M. Agathos (NIKHEF)	Gravitational Waves & Testing GR
16:30 - 17:00	M. Totzauer (MPI, Munich)	Production mechanism
17:00 - 17:30	N. De Groot (Radboud)	Latest Higgs Physics results from the ATLAS experimen
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18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	

20.00 Greek Night

Saturday Sept 10th

School lectures		
9:00 - 10:00	G. Lazarides (AUTH)	Astroparticle Physics and Cosmology 1
10:00 - 11:00	G. Lazarides (AUTH)	Astroparticle Physics and Cosmology 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	K. Papadodimas (U. Groningen & CERN)	String Theory 1
12:30 - 13:30	K. Papadodimas (U. Groningen & CERN)	String Theory 2
13:30 - 16:00	Lunch break	
Workshop and student's talks		
16:00 - 16:30	F. Buccella (Naples U. & INFN, Naples)	Non Leptonic Decays : a Long Story
16:30 - 17:00	S. Lola (U. Patras)	Lepton flavour violation at the LHC
17:00 - 17:30	H. B. Nielsen (NBI)	Interpretation of the 750 GeV diphoton as a bound state
17:30 - 18:00	M. Tanimoto (Niigata U.)	Neutrino Mass Matrix and the Sign of Universe's Baryon Asymmetry
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
18:50 - 19:20	N. Antoniou (Athens U.)	The Phase Diagram of QCD Matter

Sunday Sept 11th

School lectures		
9:00 - 10:00	G. Lazarides (AUTH)	Astroparticle Physics and Cosmology 3
10:00 - 11:00	G. Lazarides (AUTH)	Astroparticle Physics and Cosmology 4
11:00 - 11:30	Coffee break	
11:30 - 12:30	K. Papadodimas (U. Groningen & CERN)	Gauge/Gravity Duality 1
12:30 - 13:30	K. Papadodimas (U. Groningen & CERN)	Gauge/Gravity Duality 2

Closing!

Summer School and Workshop on the Standard Model and Beyond

August 31 - September 12, 2016

Wednesday August 31st
Arrival / Registration day

Thursday Sept 1st

School lectures		
10:00 - 11:00	Opening	
11:00 - 11:30	Coffee break	
11:30 - 12:30	S. Dittmaier (Freiburg U.)	Electroweak Standard Model 1
12:30 - 13:30	S. Dittmaier (Freiburg U.)	Electroweak Standard Model 2
13:30 - 16:00	Lunch break	
Workshop talks		
16:00 - 16:30	A. Di Domenico (Sapienza U., Rome & INFN)	Precision tests of CPT symmetry and Quantum coherence with entangled neutral K
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School lectures		
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18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
Workshop talks		
18:50 - 19:20	P. Osland (Bergen U.)	Vacua of an S3-symmetric scalar potential
19:20-19:35	M. Niedziela (Hamburg U.)	Jet energy resolution calculation at CMS
19:35-19:50	S. Kurz (Hamburg U.)	Search for supersymmetry in the multijet and missing transverse momentum final state in pp collisions at 13 TeV

Friday Sept 2nd

School lectures		
9:00 - 10:00	S. Dittmaier (Freiburg U.)	Electroweak Standard Model 3
10:00 - 11:00	S. Dittmaier (Freiburg U.)	Electroweak Standard Model 4
11:00 - 11:30	Coffee break	
11:30 - 12:30	A. Pich (IFIC, Valencia U. CSIC)	Flavor Physics 1
12:30 - 13:30	A. Pich (IFIC, Valencia U. CSIC)	Flavor Physics 2
13:30 - 16:00	Lunch break	
16:00 - 17:00	A. De Roeck (CERN)	CMS - Physics Results
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17:00 - 17:30	V. Mitsou (U. Valencia IFIC)	Status, results and prospects from the MoEDAL experiment at LHC
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19:20-19:35	F. Scarcella (Bologna U.)	Charged LFV from Low Scale Seesaw Neutrinos
19:35-19:50	C. Roca (MPIK Heidelberg)	Sterile neutrino search in the STEREO Experiment

Saturday Sept. 3rd

School lectures		
9:00 - 10:00	A. Mitov (Cambridge U.)	QCD 1
10:00 - 11:00	A. Mitov (Cambridge U.)	QCD 2
11:00 - 11:30		
11:30 - 12:30	W. Hollik (MPI Munich)	Introduction of SUSY and the MSSM 1
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Workshop talks		
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18:20 - 18:50	Discussion	
18:50 - 19:20	N. Harnew (Oxford U.)	Measuring the unitarity triangle with LHCb
19:20 - 19:50	D. Karamitros (Ioannina U.)	Effective Theory for Electroweak Doublet Dark Matter

Sunday Sept 4th

School lectures		
9:00 - 10:00	J. Valle (Valencia U.)	Neutrinos (theory) 1
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11:00 - 11:30	Coffee break	
11:30 - 12:30	I. Antoniadis (Bern U. and LPTHE-CNRS)	Extra Dimensions 1
12:30 - 13:30	S. Pokorski (U. Warsaw)	LHC vs Physics Beyond the Standard Model 1
13:30 - 16:00	Lunch break	
School lectures		
16:00 - 17:00	A. Mitov (Cambridge U.)	QCD 3
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18:20 - 18:50	Discussion	
Workshop and student's talks		
18:50 - 19:20	M. Owen (Glasgow U.)	Top quark measurements with the ATLAS detector
19:20-19:35	A. Platania (INAF, INFN, Catania U.)	Asymptotically Safe gravitational collapse: Kuroda-Papapetrou RG-improved model
19:35-19:50	F. Preiato (U. Rome "La Sapienza" & INFN-Rome)	Search for resonances in dijet final states at $\sqrt{s}=13\text{eV}$

Monday Sept 5th

School lectures		
9:00 - 10:00	E. Rondio (Warsaw U.)	Neutrinos (experimental)
10:00 - 11:00	I. Antoniadis (Bern U. and LPTHE-CNRS)	Extra Dimensions 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	G. Ross (Oxford U.)	GUTs 1
12:30 - 13:30	S. Pokorski (U. Warsaw)	LHC vs Physics Beyond the Standard Model 2
13:30 - 16:00	Lunch break	
16:00 - 17:00	L. Fayard (Orsay, LAL)	ATLAS - Physics Results
Workshop talks		
17:00 - 17:30	G. Leontaris (Ioannina U.)	F-Theory Models and New Physics Phenomena
17:30 - 18:00	J. Buchbinder (Tomsk State Pedagogical U.)	On the divergence structure of the 6D, (1,0) supersymmetric gauge theories
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19:35-19:50	G. Knippen (Freiburg U.)	NLO corrections to WWW production at proton-proton colliders
19:50 - 20:05	A. Tokareva (EPFL)	Polarization of photons emitted by decaying dark matter

Tuesday Sept. 6th

School lectures		
9:00 - 10:00	T. Hahn (MPI Munich)	Codes/Tools 1
10:00 - 11:00	F. del Aguila (Granada U.)	Effective Field Theories
11:00 - 11:30	Coffee break	
11:30 - 12:30	M. Pepe-Altarelli (CERN)	LHCb - Physics Results
12:30 - 13:30	G. Ross (Oxford U.)	GUTs 2
13:30 - 16:00	Lunch break	
Workshop and student's talks		
16:00 - 16:45	J.E. Kim (Daejeon & Seoul N. & Kyung Hee U.)	Strong CP problem, axions, and cosmological implications of CP violation.
16:45 - 17:15	J. Veatch (Göttingen U.)	Exotics and BSM Higgs searches with the ATLAS detector
17:15 - 17:45	N. Irges (NTUA)	Non-perturbative Gauge-Higgs Unification
17:45 - 18:15	L. Diaz-cruz (FCFM BUAP)	Higgs couplings and new signals in multi-Higgs models with flavons and DM
18:15 - 18:30	Coffee break	
18:30 - 18:50	Discussion	
Workshop talks		
18:50 - 19:20	M. Mondragon (Instituto de Fisica, UNAM)	Reduction of couplings in the FUTs and the MSSM
18:20 - 19:35	M. Artymowski (Jagiellonian U.)	Generally flat inflationary potentials
19:35-19:50	O. Czerwinska (Warsaw U.)	The impact of non-minimally coupled gravity on vacuum stability
19:50 - 20:05	P. Olszewski (Warsaw U.)	Scale symmetry without the anomaly

Wednesday Sept 7th**Excursion****Thursday Sept 8th**

School lectures		
9:00 - 10:00	P. Nilles (Bonn U.)	SUSY/SUGRA 1
10:00 - 11:00	P. Nilles (Bonn U.)	SUSY/SUGRA 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	K. Buesser (DESY)	ILC
12:30 - 13:30	E. Sicking (CERN)	CLIC
13:30 - 16:00	Lunch break	
16:00 - 17:00	F. Knechtli (Wuppertal U)	Lattice QCD
Workshop and student's talks		
17:00 - 17:30	G. Hesketh (UCL)	Recent highlights of Electroweak and QCD studies with the ATLAS detector
17:30 - 18:00	E. Paschos (Dortmund U.)	Neutrino properties: 1. The Reactor Anomaly 2. Methods for detecting tau-neutrinos at neutrino telescopes (Antares, Ice Cube, Lake Baikal,...)
18:00- 18:20	Coffee break	

18:20 - 18:50	Discussion	
18:50 - 19:20	M. Nemevsek (Stefan Inst., Ljubljana)	Higgs physics and Lepton number violation
19:20 - 19:50	I. Dorsner (Split U.)	One-loop neutrino mass in SU(5)

Friday Sept 9th

School lectures		
9:00 - 10:00	P. Aschieri (Alessandria U.)	Introduction to Noncommutativity 1
10:00 - 11:00	P. Aschieri (Alessandria U.)	Introduction to Noncommutativity 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	A. Nielsen (AEI, Hannover)	Gravitational Waves
12:30 - 13:30	T. Hahn (MPI Munich)	Codes/Tools 1
13:30 - 16:00	Lunch break	
Workshop and student's talks		
16:00 - 16:30	M. Agathos (NIKHEF)	Gravitational Waves & Testing GR
16:30 - 17:00	M. Totzauer (MPI, Munich)	Production mechanism
17:00 - 17:30	N. De Groot (Radboud)	Latest Higgs Physics results from the ATLAS experimen
17:30 - 18:00	A. Pachol (Queen Mary, London U.)	Modified dispersion relations from noncommutativity in curved background
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	

20.00 Greek Night

Saturday Sept 10th

School lectures		
9:00 - 10:00	G. Lazarides (AUTH)	Astroparticle Physics and Cosmology 1
10:00 - 11:00	G. Lazarides (AUTH)	Astroparticle Physics and Cosmology 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	K. Papadodimas (U. Groningen & CERN)	String Theory 1
12:30 - 13:30	K. Papadodimas (U. Groningen & CERN)	String Theory 2
13:30 - 16:00	Lunch break	
Workshop and student's talks		
16:00 - 16:30	F. Buccella (Naples U. & INFN, Naples)	Non Leptonic Decays : a Long Story
16:30 - 17:00	S. Lola (U. Patras)	Lepton flavour violation at the LHC
17:00 - 17:30	H. B. Nielsen (NBI)	Interpretation of the 750 GeV diphoton as a bound state
17:30 - 18:00	M. Tanimoto (Niigata U.)	Neutrino Mass Matrix and the Sign of Universe's Baryon Asymmetry
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
18:50 - 19:20	N. Antoniou (Athens U.)	The Phase Diagram of QCD Matter

Sunday Sept 11th

School lectures		
9:00 - 10:00	G. Lazarides (AUTH)	Astroparticle Physics and Cosmology 3
10:00 - 11:00	G. Lazarides (AUTH)	Astroparticle Physics and Cosmology 4
11:00 - 11:30	Coffee break	
11:30 - 12:30	K. Papadodimas (U. Groningen & CERN)	Gauge/Gravity Duality 1
12:30 - 13:30	K. Papadodimas (U. Groningen & CERN)	Gauge/Gravity Duality 2

Closing!

Summer School and Workshop on the Standard Model and Beyond

August 31 - September 12, 2016

Wednesday August 31st
Arrival / Registration day

Thursday Sept 1st

School lectures		
10:00 - 11:00	Opening	
11:00 - 11:30	Coffee break	
11:30 - 12:30	S. Dittmaier (Freiburg U.)	Electroweak Standard Model 1
12:30 - 13:30	S. Dittmaier (Freiburg U.)	Electroweak Standard Model 2
13:30 - 16:00	Lunch break	
Workshop talks		
16:00 - 16:30	A. Di Domenico (Sapienza U., Rome & INFN)	Precision tests of CPT symmetry and Quantum coherence with entangled neutral K
16:30- 17:00	Y. Hosotani (Osaka U.)	New Dimensions from Gauge-Higgs Unification
School lectures		
17:00-18:00	A. De Roeck (CERN)	Higgs Physics - Experimental
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
Workshop talks		
18:50 - 19:20	P. Osland (Bergen U.)	Vacua of an S3-symmetric scalar potential
19:20-19:35	M. Niedziela (Hamburg U.)	Jet energy resolution calculation at CMS
19:35-19:50	S. Kurz (Hamburg U.)	Search for supersymmetry in the multijet and missing transverse momentum final state in pp collisions at 13 TeV

Friday Sept 2nd

School lectures		
9:00 - 10:00	S. Dittmaier (Freiburg U.)	Electroweak Standard Model 3
10:00 - 11:00	S. Dittmaier (Freiburg U.)	Electroweak Standard Model 4
11:00 - 11:30	Coffee break	
11:30 - 12:30	A. Pich (IFIC, Valencia U. CSIC)	Flavor Physics 1
12:30 - 13:30	A. Pich (IFIC, Valencia U. CSIC)	Flavor Physics 2
13:30 - 16:00	Lunch break	
16:00 - 17:00	A. De Roeck (CERN)	CMS - Physics Results
Workshop talks		
17:00 - 17:30	V. Mitsou (U. Valencia IFIC)	Status, results and prospects from the MoEDAL experiment at LHC
17:30-18:00	P. Lavrov (Tomsk State Pedagogical U.)	Effective action with composite fields and Clairaut-type equations
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
18:50 - 19:20	M. Krawczyk (Warsaw U.)	IDM and not only
19:20-19:35	F. Scarcella (Bologna U.)	Charged LFV from Low Scale Seesaw Neutrinos
19:35-19:50	C. Roca (MPIK Heidelberg)	Sterile neutrino search in the STEREO Experiment

Saturday Sept. 3rd

School lectures		
9:00 - 10:00	A. Mitov (Cambridge U.)	QCD 1
10:00 - 11:00	A. Mitov (Cambridge U.)	QCD 2
11:00 - 11:30		
11:30 - 12:30	W. Hollik (MPI Munich)	Introduction of SUSY and the MSSM 1
12:30 - 13:30	W. Hollik (MPI Munich)	Introduction of SUSY and the MSSM 2
13:30 - 16:00	Lunch break	
16:00 - 17:00	A. De Roeck (CERN)	FCC
Workshop talks		
17:00 - 17:30	V. Mitsou (U. Valencia IFIC)	SUSY@ATLAS
17:30 - 18:00	N. Mavromatos (King's College)	Self-Interacting Right Handed Neutrinos as Warm Dark Matter and Galactic Structure
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
18:50 - 19:20	N. Harnew (Oxford U.)	Measuring the unitarity triangle with LHCb
19:20 - 19:50	D. Karamitros (Ioannina U.)	Effective Theory for Electroweak Doublet Dark Matter

Sunday Sept 4th

School lectures		
9:00 - 10:00	J. Valle (Valencia U.)	Neutrinos (theory) 1
10:00 - 11:00	J. Valle (Valencia U.)	Neutrinos (theory) 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	I. Antoniadis (Bern U. and LPTHE-CNRS)	Extra Dimensions 1
12:30 - 13:30	S. Pokorski (U. Warsaw)	LHC vs Physics Beyond the Standard Model 1
13:30 - 16:00	Lunch break	
School lectures		
16:00 - 17:00	A. Mitov (Cambridge U.)	QCD 3
17:00 - 18:00	M. Lindner (MPI, Heidelberg)	Dark Matter searches
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
Workshop and student's talks		
18:50 - 19:20	M. Owen (Glasgow U.)	Top quark measurements with the ATLAS detector
19:20-19:35	A. Platania (INAF, INFN, Catania U.)	Asymptotically Safe gravitational collapse: Kuroda-Papapetrou RG-improved model
19:35-19:50	F. Preiato (U. Rome "La Sapienza" & INFN-Rome)	Search for resonances in dijet final states at $\sqrt{s}=13\text{eV}$

Monday Sept 5th

School lectures		
9:00 - 10:00	E. Rondio (Warsaw U.)	Neutrinos (experimental)
10:00 - 11:00	I. Antoniadis (Bern U. and LPTHE-CNRS)	Extra Dimensions 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	G. Ross (Oxford U.)	GUTs 1
12:30 - 13:30	S. Pokorski (U. Warsaw)	LHC vs Physics Beyond the Standard Model 2
13:30 - 16:00	Lunch break	
16:00 - 17:00	L. Fayard (Orsay, LAL)	ATLAS - Physics Results
Workshop talks		
17:00 - 17:30	G. Leontaris (Ioannina U.)	F-Theory Models and New Physics Phenomena
17:30 - 18:00	J. Buchbinder (Tomsk State Pedagogical U.)	On the divergence structure of the 6D, (1,0) supersymmetric gauge theories
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
18:50 - 19:20	K. Huitu (U. Helsinki)	Charged Higgs Beyond the MSSM at the LHC
19:20-19:35	L. Russo (INFN Firenze & Università di Siena)	First Results on Higgs to WW at $\sqrt{S}=13\text{TeV}$ with CMS detector
19:35-19:50	G. Knippen (Freiburg U.)	NLO corrections to WWW production at proton-proton colliders
19:50 - 20:05	A. Tokareva (EPFL)	Polarization of photons emitted by decaying dark matter

Tuesday Sept. 6th

School lectures		
9:00 - 10:00	T. Hahn (MPI Munich)	Codes/Tools 1
10:00 - 11:00	F. del Aguila (Granada U.)	Effective Field Theories
11:00 - 11:30	Coffee break	
11:30 - 12:30	M. Pepe-Altarelli (CERN)	LHCb - Physics Results
12:30 - 13:30	G. Ross (Oxford U.)	GUTs 2
13:30 - 16:00	Lunch break	
Workshop and student's talks		
16:00 - 16:45	J.E. Kim (Daejeon & Seoul N. & Kyung Hee U.)	Strong CP problem, axions, and cosmological implications of CP violation.
16:45 - 17:15	J. Veatch (Göttingen U.)	Exotics and BSM Higgs searches with the ATLAS detector
17:15 - 17:45	N. Irges (NTUA)	Non-perturbative Gauge-Higgs Unification
17:45 - 18:15	L. Diaz-cruz (FCFM BUAP)	Higgs couplings and new signals in multi-Higgs models with flavons and DM
18:15- 18:30	Coffee break	
18:30 - 18:50	Discussion	
Workshop talks		
18:50 - 19:20	M. Mondragon (Instituto de Fisica, UNAM)	Reduction of couplings in the FUTs and the MSSM
18:20 - 19:35	M. Artymowski (Jagiellonian U.)	Generally flat inflationary potentials
19:35-19:50	O. Czerwinska (Warsaw U.)	The impact of non-minimally coupled gravity on vacuum stability
19:50 - 20:05	P. Olszewski (Warsaw U.)	Scale symmetry without the anomaly

Wednesday Sept 7th**Excursion****Thursday Sept 8th**

School lectures		
9:00 - 10:00	P. Nilles (Bonn U.)	SUSY/SUGRA 1
10:00 - 11:00	P. Nilles (Bonn U.)	SUSY/SUGRA 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	K. Buesser (DESY)	ILC
12:30 - 13:30	E. Sicking (CERN)	CLIC
13:30 - 16:00	Lunch break	
16:00 - 17:00	F. Knechtli (Wuppertal U)	Lattice QCD
Workshop and student's talks		
17:00 - 17:30	G. Hesketh (UCL)	Recent highlights of Electroweak and QCD studies with the ATLAS detector
17:30 - 18:00	E. Paschos (Dortmund U.)	Neutrino properties: 1. The Reactor Anomaly 2. Methods for detecting tau-neutrinos at neutrino telescopes (Antares, Ice Cube, Lake Baikal,...)
18:00- 18:20	Coffee break	

18:20 - 18:50	Discussion	
18:50 - 19:20	M. Nemevsek (Stefan Inst., Ljubljana)	Higgs physics and Lepton number violation
19:20 - 19:50	I. Dorsner (Split U.)	One-loop neutrino mass in SU(5)

Friday Sept 9th

School lectures		
9:00 - 10:00	P. Aschieri (Alessandria U.)	Introduction to Noncommutativity 1
10:00 - 11:00	P. Aschieri (Alessandria U.)	Introduction to Noncommutativity 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	A. Nielsen (AEI, Hannover)	Gravitational Waves
12:30 - 13:30	T. Hahn (MPI Munich)	Codes/Tools 1
13:30 - 16:00	Lunch break	
Workshop and student's talks		
16:00 - 16:30	M. Agathos (NIKHEF)	Gravitational Waves & Testing GR
16:30 - 17:00	M. Totzauer (MPI, Munich)	Production mechanism
17:00 - 17:30	N. De Groot (Radboud)	Latest Higgs Physics results from the ATLAS experimen
17:30 - 18:00	A. Pachol (Queen Mary, London U.)	Modified dispersion relations from noncommutativity in curved background
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	

20.00 Greek Night

Saturday Sept 10th

School lectures		
9:00 - 10:00	G. Lazarides (AUTH)	Astroparticle Physics and Cosmology 1
10:00 - 11:00	G. Lazarides (AUTH)	Astroparticle Physics and Cosmology 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	K. Papadodimas (U. Groningen & CERN)	String Theory 1
12:30 - 13:30	K. Papadodimas (U. Groningen & CERN)	String Theory 2
13:30 - 16:00	Lunch break	
Workshop and student's talks		
16:00 - 16:30	F. Buccella (Naples U. & INFN, Naples)	Non Leptonic Decays : a Long Story
16:30 - 17:00	S. Lola (U. Patras)	Lepton flavour violation at the LHC
17:00 - 17:30	H. B. Nielsen (NBI)	Interpretation of the 750 GeV diphoton as a bound state
17:30 - 18:00	M. Tanimoto (Niigata U.)	Neutrino Mass Matrix and the Sign of Universe's Baryon Asymmetry
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
18:50 - 19:20	N. Antoniou (Athens U.)	The Phase Diagram of QCD Matter

Sunday Sept 11th

School lectures		
9:00 - 10:00	G. Lazarides (AUTH)	Astroparticle Physics and Cosmology 3
10:00 - 11:00	G. Lazarides (AUTH)	Astroparticle Physics and Cosmology 4
11:00 - 11:30	Coffee break	
11:30 - 12:30	K. Papadodimas (U. Groningen & CERN)	Gauge/Gravity Duality 1
12:30 - 13:30	K. Papadodimas (U. Groningen & CERN)	Gauge/Gravity Duality 2

Closing!

Summer School and Workshop on the Standard Model and Beyond

August 31 - September 12, 2016

Wednesday August 31st
Arrival / Registration day

Thursday Sept 1st

School lectures		
10:00 - 11:00	Opening	
11:00 - 11:30	Coffee break	
11:30 - 12:30	S. Dittmaier (Freiburg U.)	Electroweak Standard Model 1
12:30 - 13:30	S. Dittmaier (Freiburg U.)	Electroweak Standard Model 2
13:30 - 16:00	Lunch break	
Workshop talks		
16:00 - 16:30	A. Di Domenico (Sapienza U., Rome & INFN)	Precision tests of CPT symmetry and Quantum coherence with entangled neutral K
16:30- 17:00	Y. Hosotani (Osaka U.)	New Dimensions from Gauge-Higgs Unification
School lectures		
17:00-18:00	A. De Roeck (CERN)	Higgs Physics - Experimental
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
Workshop talks		
18:50 - 19:20	P. Osland (Bergen U.)	Vacua of an S3-symmetric scalar potential
19:20-19:35	M. Niedziela (Hamburg U.)	Jet energy resolution calculation at CMS
19:35-19:50	S. Kurz (Hamburg U.)	Search for supersymmetry in the multijet and missing transverse momentum final state in pp collisions at 13 TeV

Friday Sept 2nd

School lectures		
9:00 - 10:00	S. Dittmaier (Freiburg U.)	Electroweak Standard Model 3
10:00 - 11:00	S. Dittmaier (Freiburg U.)	Electroweak Standard Model 4
11:00 - 11:30	Coffee break	
11:30 - 12:30	A. Pich (IFIC, Valencia U. CSIC)	Flavor Physics 1
12:30 - 13:30	A. Pich (IFIC, Valencia U. CSIC)	Flavor Physics 2
13:30 - 16:00	Lunch break	
16:00 - 17:00	A. De Roeck (CERN)	CMS - Physics Results
Workshop talks		
17:00 - 17:30	V. Mitsou (U. Valencia IFIC)	Status, results and prospects from the MoEDAL experiment at LHC
17:30-18:00	P. Lavrov (Tomsk State Pedagogical U.)	Effective action with composite fields and Clairaut-type equations
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
18:50 - 19:20	M. Krawczyk (Warsaw U.)	IDM and not only
19:20-19:35	F. Scarcella (Bologna U.)	Charged LFV from Low Scale Seesaw Neutrinos
19:35-19:50	C. Roca (MPIK Heidelberg)	Sterile neutrino search in the STEREO Experiment

Saturday Sept. 3rd

School lectures		
9:00 - 10:00	A. Mitov (Cambridge U.)	QCD 1
10:00 - 11:00	A. Mitov (Cambridge U.)	QCD 2
11:00 - 11:30		
11:30 - 12:30	W. Hollik (MPI Munich)	Introduction of SUSY and the MSSM 1
12:30 - 13:30	W. Hollik (MPI Munich)	Introduction of SUSY and the MSSM 2
13:30 - 16:00	Lunch break	
16:00 - 17:00	A. De Roeck (CERN)	FCC
Workshop talks		
17:00 - 17:30	V. Mitsou (U. Valencia IFIC)	SUSY@ATLAS
17:30 - 18:00	N. Mavromatos (King's College)	Self-Interacting Right Handed Neutrinos as Warm Dark Matter and Galactic Structure
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
18:50 - 19:20	N. Harnew (Oxford U.)	Measuring the unitarity triangle with LHCb
19:20 - 19:50	D. Karamitros (Ioannina U.)	Effective Theory for Electroweak Doublet Dark Matter

Sunday Sept 4th

School lectures		
9:00 - 10:00	J. Valle (Valencia U.)	Neutrinos (theory) 1
10:00 - 11:00	J. Valle (Valencia U.)	Neutrinos (theory) 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	I. Antoniadis (Bern U. and LPTHE-CNRS)	Extra Dimensions 1
12:30 - 13:30	S. Pokorski (U. Warsaw)	LHC vs Physics Beyond the Standard Model 1
13:30 - 16:00	Lunch break	
School lectures		
16:00 - 17:00	A. Mitov (Cambridge U.)	QCD 3
17:00 - 18:00	M. Lindner (MPI, Heidelberg)	Dark Matter searches
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
Workshop and student's talks		
18:50 - 19:20	M. Owen (Glasgow U.)	Top quark measurements with the ATLAS detector
19:20-19:35	A. Platania (INAF, INFN, Catania U.)	Asymptotically Safe gravitational collapse: Kuroda-Papapetrou RG-improved model
19:35-19:50	F. Preiato (U. Rome "La Sapienza" & INFN-Rome)	Search for resonances in dijet final states at $\sqrt{s}=13\text{eV}$ "

Monday Sept 5th

School lectures		
9:00 - 10:00	E. Rondio (Warsaw U.)	Neutrinos (experimental)
10:00 - 11:00	I. Antoniadis (Bern U. and LPTHE-CNRS)	Extra Dimensions 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	G. Ross (Oxford U.)	GUTs 1
12:30 - 13:30	S. Pokorski (U. Warsaw)	LHC vs Physics Beyond the Standard Model 2
13:30 - 16:00	Lunch break	
16:00 - 17:00	L. Fayard (Orsay, LAL)	ATLAS - Physics Results
Workshop talks		
17:00 - 17:30	G. Leontaris (Ioannina U.)	F-Theory Models and New Physics Phenomena
17:30 - 18:00	J. Buchbinder (Tomsk State Pedagogical U.)	On the divergence structure of the 6D, (1,0) supersymmetric gauge theories
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
18:50 - 19:20	K. Huitu (U. Helsinki)	Charged Higgs Beyond the MSSM at the LHC
19:20-19:35	L. Russo (INFN Firenze & Università di Siena)	First Results on Higgs to WW at $\sqrt{S}=13\text{TeV}$ with CMS detector
19:35-19:50	G. Knippen (Freiburg U.)	NLO corrections to WWW production at proton-proton colliders
19:50 - 20:05	A. Tokareva (EPFL)	Polarization of photons emitted by decaying dark matter

Tuesday Sept. 6th

School lectures		
9:00 - 10:00	T. Hahn (MPI Munich)	Codes/Tools 1
10:00 - 11:00	F. del Aguila (Granada U.)	Effective Field Theories
11:00 - 11:30	Coffee break	
11:30 - 12:30	M. Pepe-Altarelli (CERN)	LHCb - Physics Results
12:30 - 13:30	G. Ross (Oxford U.)	GUTs 2
13:30 - 16:00	Lunch break	
Workshop and student's talks		
16:00 - 16:45	J.E. Kim (Daejeon & Seoul N. & Kyung Hee U.)	Strong CP problem, axions, and cosmological implications of CP violation.
16:45 - 17:15	J. Veatch (Göttingen U.)	Exotics and BSM Higgs searches with the ATLAS detector
17:15 - 17:45	N. Irges (NTUA)	Non-perturbative Gauge-Higgs Unification
17:45 - 18:15	L. Diaz-cruz (FCFM BUAP)	Higgs couplings and new signals in multi-Higgs models with flavons and DM
18:15 - 18:30	Coffee break	
18:30 - 18:50	Discussion	
Workshop talks		
18:50 - 19:20	M. Mondragon (Instituto de Fisica, UNAM)	Reduction of couplings in the FUTs and the MSSM
18:20 - 19:35	M. Artymowski (Jagiellonian U.)	Generally flat inflationary potentials
19:35-19:50	O. Czerwinska (Warsaw U.)	The impact of non-minimally coupled gravity on vacuum stability
19:50 - 20:05	P. Olszewski (Warsaw U.)	Scale symmetry without the anomaly

Wednesday Sept 7th**Excursion****Thursday Sept 8th**

School lectures		
9:00 - 10:00	P. Nilles (Bonn U.)	SUSY/SUGRA 1
10:00 - 11:00	P. Nilles (Bonn U.)	SUSY/SUGRA 2
11:00 - 11:30	Coffee break	
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Workshop and student's talks		
17:00 - 17:30	G. Hesketh (UCL)	Recent highlights of Electroweak and QCD studies with the ATLAS detector
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18:00- 18:20	Coffee break	

18:20 - 18:50	Discussion	
18:50 - 19:20	M. Nemevsek (Stefan Inst., Ljubljana)	Higgs physics and Lepton number violation
19:20 - 19:50	I. Dorsner (Split U.)	One-loop neutrino mass in SU(5)

Friday Sept 9th

School lectures		
9:00 - 10:00	P. Aschieri (Alessandria U.)	Introduction to Noncommutativity 1
10:00 - 11:00	P. Aschieri (Alessandria U.)	Introduction to Noncommutativity 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	A. Nielsen (AEI, Hannover)	Gravitational Waves
12:30 - 13:30	T. Hahn (MPI Munich)	Codes/Tools 1
13:30 - 16:00	Lunch break	
Workshop and student's talks		
16:00 - 16:30	M. Agathos (NIKHEF)	Gravitational Waves & Testing GR
16:30 - 17:00	M. Totzauer (MPI, Munich)	Production mechanism
17:00 - 17:30	N. De Groot (Radboud)	Latest Higgs Physics results from the ATLAS experimen
17:30 - 18:00	A. Pachol (Queen Mary, London U.)	Modified dispersion relations from noncommutativity in curved background
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	

20.00 Greek Night

Saturday Sept 10th

School lectures		
9:00 - 10:00	G. Lazarides (AUTH)	Astroparticle Physics and Cosmology 1
10:00 - 11:00	G. Lazarides (AUTH)	Astroparticle Physics and Cosmology 2
11:00 - 11:30	Coffee break	
11:30 - 12:30	K. Papadodimas (U. Groningen & CERN)	String Theory 1
12:30 - 13:30	K. Papadodimas (U. Groningen & CERN)	String Theory 2
13:30 - 16:00	Lunch break	
Workshop and student's talks		
16:00 - 16:30	F. Buccella (Naples U. & INFN, Naples)	Non Leptonic Decays : a Long Story
16:30 - 17:00	S. Lola (U. Patras)	Lepton flavour violation at the LHC
17:00 - 17:30	H. B. Nielsen (NBI)	Interpretation of the 750 GeV diphoton as a bound state
17:30 - 18:00	M. Tanimoto (Niigata U.)	Neutrino Mass Matrix and the Sign of Universe's Baryon Asymmetry
18:00 - 18:20	Coffee break	
18:20 - 18:50	Discussion	
18:50 - 19:20	N. Antoniou (Athens U.)	The Phase Diagram of QCD Matter

Sunday Sept 11th

School lectures		
9:00 - 10:00	G. Lazarides (AUTH)	Astroparticle Physics and Cosmology 3
10:00 - 11:00	G. Lazarides (AUTH)	Astroparticle Physics and Cosmology 4
11:00 - 11:30	Coffee break	
11:30 - 12:30	K. Papadodimas (U. Groningen & CERN)	Gauge/Gravity Duality 1
12:30 - 13:30	K. Papadodimas (U. Groningen & CERN)	Gauge/Gravity Duality 2

Closing!