

08:00

Registration	<i>Room E10B, Department of Physics (University of Coimbra)</i>	08:20 - 08:40
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Welcome (German Rodrigo)	<i>Room E10B, Department of Physics (University of Coimbra)</i>	08:40 - 09:00
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09:00

Towards the precision frontier: dealing with QCD-QED corrections	<i>Dr German Sborlini</i>	
<i>Room E10B, Department of Physics (University of Coimbra)</i>		09:00 - 09:30

Quantum symmetry breaking in perturbation theory: physical or spurious?	<i>Marcos Sampaio</i>	
<i>Room E10B, Department of Physics (University of Coimbra)</i>		09:30 - 10:00

10:00

Gauge covariant approach to the electroweak interactions of spin-0 and spin-1 mesons	<i>Dr Alexander Osipov</i>	
<i>Room E10B, Department of Physics (University of Coimbra)</i>		10:00 - 10:30

Reduction for special negative sectors of planar two-loop integrals	<i>Adam Kardos</i>	
<i>Room E10B, Department of Physics (University of Coimbra)</i>		10:30 - 11:00

11:00

Coffee break		11:00 - 11:30
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Uncovering new physics with precision	<i>Heidi Angelika Rzehak</i>	
<i>Room E10B, Department of Physics (University of Coimbra)</i>		11:30 - 12:00

12:00

Precise predictions for the $\sigma(\bar{t}t)/\sigma(\bar{t}t)$ cross section ratio at the LHC	<i>Giuseppe Bevilacqua</i>	
<i>Room E10B, Department of Physics (University of Coimbra)</i>		12:00 - 12:30

Universal four-dimensional representation of $\mathcal{H} \rightarrow \mathcal{H} \gamma \gamma$ at two loops through the Loop-Tree Duality	<i>Félix Driencourt-Mangin</i>	
<i>Room E10B, Department of Physics (University of Coimbra)</i>		12:30 - 13:00

13:00

Lunch		
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14:00

<i>Loggia</i>		13:00 - 14:30
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$E(38)$, new particle or artefact?	<i>Prof. Eef van Beveren</i>	
<i>Room E10B, Department of Physics (University of Coimbra)</i>		14:30 - 15:00

15:00

Indications of a (pseudo)scalar partner state of the Z boson at 57 GeV	<i>Dr George Rupp</i>	
<i>Room E10B, Department of Physics (University of Coimbra)</i>		15:00 - 15:30

Doubly charged scalars' signal and low energy constraints	<i>Magdalena Kordiaczyńska</i>	
<i>Room E10B, Department of Physics (University of Coimbra)</i>		15:30 - 16:00

16:00

Coffee break		
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		16:00 - 16:30
	New results on splitting functions in QCD at four- and five loops	<i>Sven-Olaf Moch</i>
	<i>Room E10B, Department of Physics (University of Coimbra)</i>	16:30 - 17:00
17:00	Perturbative Calculations for the Z-Penguin	<i>Martin Gorbahn</i>
	<i>Room E10B, Department of Physics (University of Coimbra)</i>	17:00 - 17:30
	Next-to-leading power corrections to Drell-Yan and prompt photon production	<i>Eric Laenen</i>
	<i>Room E10B, Department of Physics (University of Coimbra)</i>	17:30 - 18:00
18:00	On the μe-scattering at two loops	<i>William Javier Torres Bobadilla</i>
	<i>Room E10B, Department of Physics (University of Coimbra)</i>	18:00 - 18:30
	O LHC do CERN - a máquina dos infinitos	<i>Ricardo Jose Morais Silva Goncalo</i>
19:00	<i>Departamento de Física</i>	18:30 - 19:30

08:00

Assessing the discovery potential of future high energy colliders: summary for WG3	<i>Janusz Gluza</i>
<i>Conference Room (F42), Department of Physics (University of Coimbra)</i>	08:30 - 09:00

09:00

Are Higgs bosons talking to themselves?	<i>Gudrun Heinrich</i>
<i>Conference Room (F42), Department of Physics (University of Coimbra)</i>	09:00 - 09:30

Selected results in High Energy Factorization	<i>Krzysztof Kutak</i>
<i>Conference Room (F42), Department of Physics (University of Coimbra)</i>	09:30 - 10:00

10:00

The top quark mass parameter in Monte Carlo event generators	<i>Prof. Andre Hoang</i>
<i>Conference Room (F42), Department of Physics (University of Coimbra)</i>	10:00 - 10:30

Coffee break	
	10:30 - 11:00

11:00

Generalisation of the Yang-Mills Theory and Physics Beyond the Standard Model	<i>Georgios Savvidis</i>
<i>Room E10B, Department of Physics (University of Coimbra)</i>	11:00 - 11:30

On the quark-gluon vertice	<i>Orlando Oliveira</i>
<i>Room E10B, Department of Physics (University of Coimbra)</i>	11:30 - 12:00

12:00

Lattice computation of QCD propagators and vertices in Landau gauge	<i>Paulo Silva</i>
<i>Room E10B, Department of Physics (University of Coimbra)</i>	12:00 - 12:30

Lunch	

13:00

<i>Instituto Justiça e Paz</i>	12:30 - 14:00
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14:00

Visit old University	

15:00

	14:00 - 15:30

An experimentalist's pursuit for the meaning of m_t and α_s	<i>Mikko Voutilainen</i>
<i>Room E10B, Department of Physics (University of Coimbra)</i>	15:30 - 16:00

16:00

Jet studies at the CMS Experiment	<i>Deniz Sunar Cerci et al.</i>
<i>Room E10B, Department of Physics (University of Coimbra)</i>	16:00 - 16:30

	Coffee break		16:30 - 17:00
17:00	α_s from jets in pp collisions	<i>Dr Joao Ramalho Pires</i>	
	<i>Room E10B, Department of Physics (University of Coimbra)</i>		17:00 - 17:30
	Probing CP violating top Yukawa in $t\bar{b}$ H channel	<i>Dr Nejc Košnik</i>	
	<i>Room E10B, Department of Physics (University of Coimbra)</i>		17:30 - 18:00
18:00	General Discussion / Brainstorming		
	<i>Room E10B, Department of Physics (University of Coimbra)</i>		18:00 - 18:30

19:00

20:00	Dinner		
21:00			
22:00			
	<i>Tertúlia D'Eventos, Restaurant (https://goo.gl/maps/BTzCkqEMvZN2)</i>		20:00 - 23:00
23:00			

09:00	Management committe
10:00	
11:00	
	<i>Conference Room (F42), Department of Physics (University of Coimbra)</i> 09:00 - 12:00
12:00	Farewell
	<i>Conference Room (F42)</i> 12:00 - 13:00
13:00	