

UK HEP FORUM

The Cosener's House, Abingdon & Online
23-24 November 2021

From Laboratories to the Universe and Back

Organising Committee

P. Burrows, T. Cornford, D. Croon, S. Dixon,
J. Ellis, V. Khoze, J. Linacre, S. Martin-Haugh,
B. Pecjak, S. Ricciardi (C), M. Wielers

Registration



<https://conference.ippp.dur.ac.uk/event/1030>

Imitator of Adolphe Monticelli, Torchlight Procession, circa 1870-86 CC BY-NC-ND 4.0 © The National Gallery, London

UK HEP Forum 2018: The Spice of flavour

UK HEP Forum 2019 - What do the next 10 years have in store?

UK HEP Forum 2020 Quantum Leaps to the Dark Side



UK Science and Technology Facilities Council

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Imitator of Adolphe Monticelli, Torchlight Procession, circa 1870-86 CC BY-NC-ND 4.0 © The National Gallery, London

Montechelli - 'Torchlight Procession'



Scottish/Viking tradition symbolising new beginnings



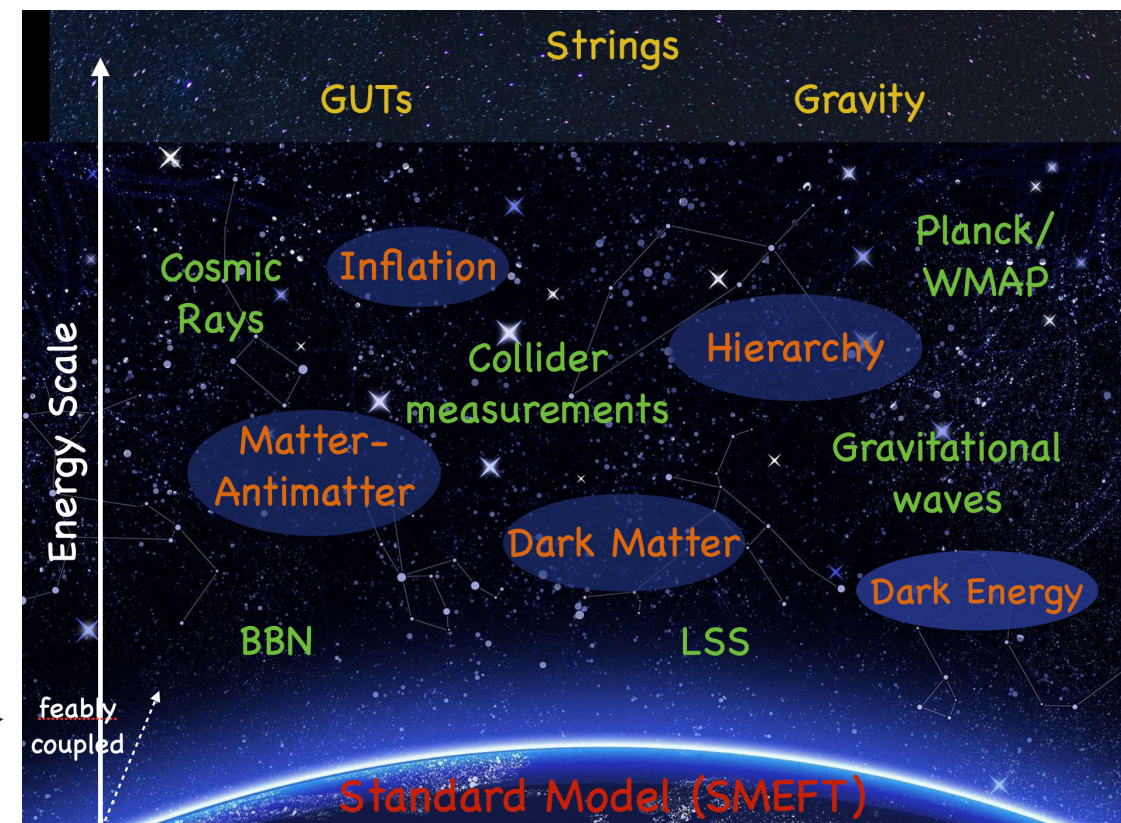
Shine with as many lights as possible on new physics



Cosener's House

UK HEP Forum

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<	Mon 22/11	Tue 23/11	Wed 24/11	All days	>
<div><div>Print</div><div>PDF</div><div>Full screen</div><div>Detailed view</div><div>Filter</div></div>					
09:00					
	Coffee / Tea				
10:00	Welcome		Michael Spannowsky		
	Muon g-2 experiments		Dr Alex Keshavarzi		
			10:15 - 11:00		
11:00	Muon g-2 theory		Andreas Juettner		
			11:00 - 11:45		
12:00	Experimental results on lepton flavour universality		Konstantinos Petridis		
			11:45 - 12:30		
13:00	Lunch				
	12:30 - 13:45				
14:00	Lepton flavour (non-)universality: a Z' manifesto		Benjamin Allanach et al.		link
			13:45 - 14:30		
15:00	Lepton flavour (non-)universality: none of the above		Andreas Crivellin		
			14:30 - 15:15		
	Students talks (5+2min each)				
	Coffee break				
16:00	Students talks (5+2min each)				
	16:10 - 16:45				
17:00	Gravitational-wave observations with LIGO and Virgo		Dr Christopher Berry		
			link		
	Gravitational wave theory		Tanja Hinderer		
18:00			17:30 - 18:15		

Charged-Lepton
flavour anomalies

at various energy
scales and interactions

Timetable

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Gravitational waves to study
early Universe phenomenology

Timetable

< Mon 22/11 Tue 23/11 **Wed 24/11** All days >

Print PDF Full screen Detailed view Filter

09:00	Dark matter experimental results <i>Jocelyn Monroe</i> 09:00 - 09:45
10:00	The meV/THz QCD Axion <i>Dr David Marsh</i> 09:45 - 10:30
	Coffee break
11:00	Theoretical outlook for LHC Run 3 <i>Christoph Englert</i> 11:00 - 11:45
12:00	LHC Run 3 experiments 11:45 - 12:45
13:00	Lunch 12:45 - 14:00
14:00	LHC Run 3 experiments 14:00 - 15:00
15:00	QCD instantons at colliders and nonperturbative EW effects <i>Valentin V Khoze</i>
	Student talks prize and farewell
16:00	

Results from DM experiments

Timetable

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QCD Axion phenomenology

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Outlook and results from
the LHC

Testing the Standard Model
at the electroweak-scale
and beyond

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QCD and ELW vacuum structure

Thank you very
much to STFC and
staff at Cosener's
House



Organising hybrid
workshops is twice
the challenge!