

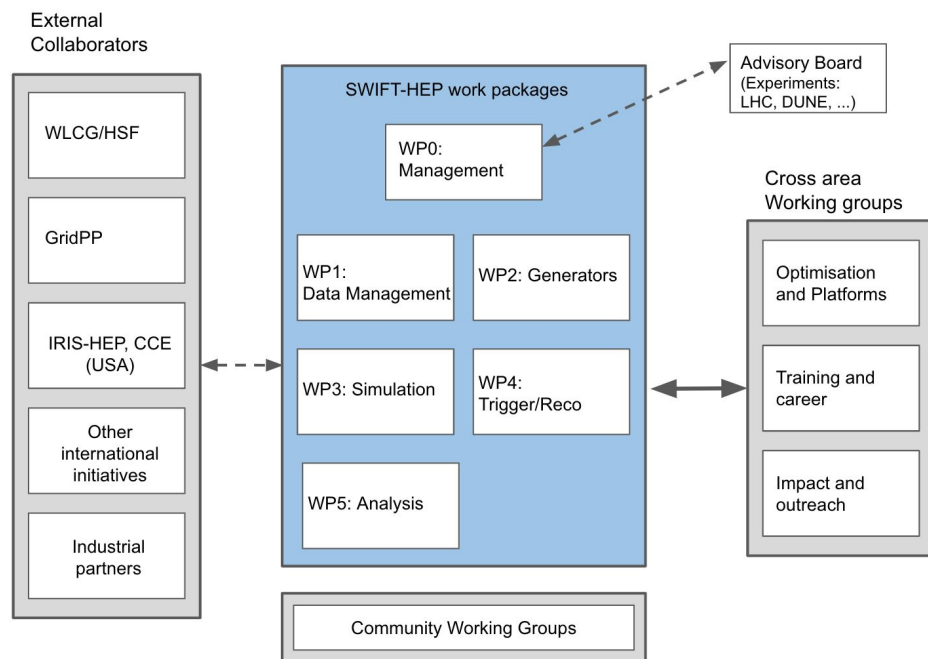
# SWIFT-HEP and ExCALIBUR-HEP Workshop. Introduction

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Davide Costanzo

# Main news item

- SWIFT-HEP was approved by Science Board at the end of the last year
  - Approved for the full amount (around 1.5M£ over 3 years), plus some funding for 20/21
- So we should start running the project!
- Posts awarded as half-posts at universities. We will work with the institute PIs to organise these
- New positions will be advertised in the coming months



# Timeline and international dimension

	Entity	Scope	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	
Infrastructure	LHC	Global	Run-2	LS2			Run-3			LS3			Run-4	
	WLCG	Global	Global coordination of requirements, resources, policies, networking, security, etc.											
	GridPP	UK	GridPP5			GridPP6				?				
	IRIS-UK	UK	UKT0	IRIS 4yr x £4m				Support of non-LHC STFC communities?						
Experiments	ATLAS-CMS	Global	S&C Conceptual Design			S&C Technical Design			S&C deployment			Operation		
	LHCb	Global	S&C TDR		S&C deployment		Operation and Upgrade 2 preparation							
	DUNE	Global	Protodune		S&C CDR		ProtoDUNE Comp model		DUNE implementation and deployment				Operation	
	Others	Global	Experiments common software infrastructure design and development (neutrino, dark matter, etc)											
Software	HSF	Global	HEP Software Forum: White Paper --> Working Groups --> Community Meetings --->											
	IRIS-HEP	USA	S2I2	IRIS-HEP: 5yr x 5m USD					?					
	ECHEP	UK	£50k		ECHEP									
	Excalibur	UK	£240k			Excalibur		?						
	HSUK	UK					SWIFTHEP-1: 3 x £400k				SWIFTHEP-2: n x £2m?			

Fig 2. In the Proposal

# Next steps forward

- We made the case to STFC that we need a bigger project
  - Indicated as SWIFTHEP-2
  - Positive feedback on this
  - Short document submitted to the Particle Physics Advisory Panel (PPAP)
  - Submission made to UKRI and BEIS to explain how software and infrastructure are crucial for HEP
- ExCALIBUR
  - Great initiative to get started
  - This is a cross-disciplinary programme, it is very useful to create contacts with other disciplines
  - E.g. we worked with the ExaLAT team (Lattice QCD) and we organised a parallel programming school together (talk tomorrow)
  - On simulation, it jump started interaction with colleagues at CERN (AdePT) and in the USA (Celeritas as part of the ECP initiative)
  - Discussion with the CCE project in the USA (talk later today). Explore collaborations
- ExCALIBUR Phase-2 proposal in 2021
  - Essential to exploit this collaborations and emphasise the cross-disciplinary aspects

# Some organisational details

- The working groups established in ECHEP should continue
  - Initially with the same conveners appointed last Summer
  - Monthly catch-ups (?)
  - Mattermost channel should remain open, perhaps renamed
- Workshops
  - We aim to have two per year. Hopefully returning to a two-day format (with Social dinner!)
  - Plus a ~monthly newsletter to be distributed for news, job openings, etc
- Mailing list, website, etc
  - We have been using the ECHEP and Excalibur lists
  - I plan to tidy these up and create a swiftheep list (as CERN egroup)
  - Communication will go through the list - Once that is setup
  - We need a website, any volunteer to get this started
- And we need to re-establish advisory board, management board, etc meetings

# Workshop today/tomorrow

- Two short sessions today and tomorrow
  - Reduced to the bare minimum to avoid zoom fatigue
  - We still managed a couple of external contributions
  - Nowhere near as complete as the workshop in Edinburgh last year
- Meeting etiquette
  - Please stay muted when not talking
  - Live notes attached to the agenda
  - Use the HSF format with live notes (use also to ask questions, etc)