



## HSF (Re)Organisation

*Paul Laycock for the HSF Core Coordination Team*

# What does the H stand for?



- **What are we trying to do?**
  - Provide a forum for the whole community to come together, discuss and ideally work together
  - Share knowledge and experience
  - Did we succeed? HSF is the de facto voice of the community
- **How could we be more effective?**
  - The HSF and its activities have grown in scope, this is a strength and a challenge
  - How do we organise ourselves when we have ~no direct funding?
  - We are a do-ocracy, but who likes doing the boring stuff?
- **Who do we represent?**
  - Which communities does the HSF represent? There's an 'H' in the name, and yet we went nuclear
  - Despite wave-particle duality, gravitational waves are not funded under HEP
  - Our expertise, discussions and solutions are relevant for a wider community (c.f. SKA), those communities want to work with us - everyone who works with us should have a way of providing input

# The HSF core coordination team

- If you have a problem. If no-one else can help, and if you can find them. Maybe you can hire
  - The Core Coordination Team!

Caterina Doglioni  
Peter Elmer  
Daniel Elvira  
Benedikt Hegner  
Michel Jouvin  
Paul Laycock  
David Lange  
Pere Mato Vila  
Mark Neubauer  
Eduardo Rodrigues  
Stefan Roiser  
Liz Sexton-Kennedy  
Graeme Stewart  
Andrea Valassi  
Torre Wenaus



Paul Laycock

# The HSF core coordination team



- If you have a problem. If no-one else can help, and if you can find them. Maybe you can hire
  - The Core Coordination Team!
- And more seriously... while the HSF working group convenors are responsible for guiding the work, the CCT is responsible for the big picture:
  - Promote, guide and monitor the HSF activities
  - Preserve knowledge and engagement with the community in the long term
  - Decide which WGs and activities the HSF engages in, while respecting our do-ocracy philosophy
  - Monitor WGs, provide mentoring and cross-coordination
  - Pick up the long-tail of meetings... the non-immediate follow up needed to ensure we achieve concrete outcomes so that our work is ultimately useful
- Meet regularly to discuss strategy and all of the above (this didn't really happen in the bi-weekly coordination meetings)
- Consensus-driven, convened by a chair elected by the group, inviting new members from amongst the active HSF members and allowing those who become inactive to step down

# The HSF Advisory Group



- Who do we represent?
- The Advisory Group (AG) represents the HSF-engaged communities
  - Those communities that contribute to HSF activities should be able to provide input to HSF, particularly on their long-term strategies and needs
    - These often align across communities, we want to align HSF to meet those challenges together
  - This is an advisory group and not a decision-making group (which is the HSF CCT)
- Every engaged community represented on the AG must have
  - A contact person who can speak on behalf of their community (e.g. spokes). They nominate (self-nominations allowed):
    - an AG member who knows about their community's engagement in HSF WGs and activities
- The AG has a chair elected by its members. In addition to the community representatives, the AG also includes the CCT chair and a Group Secretary (another CCT member)
- The AG will initially meet annually to provide the appropriate strategic input to the CCT

# HSF Working Groups and Activities

## Working Groups

- Data Analysis
- Detector Simulation
- ~~Frameworks~~
- Physics Generators
- JuliaHEP - Julia in HEP
- PyHEP - Python in HEP
- Reconstruction and Software Triggers
- Software Developer Tools and Packaging
- HSF Training

## Activities

- Analysis Facilities Forum
- Conditions Databases
- Differentiable Computing
- Season of Docs
- Google Summer of Code
- intelligent Data Delivery Service
- Licensing
- Reviews
- Visualisation

- Working groups and activities are where the work happens, led by advocates for common work and solutions. This is where discussions between software projects, experiments, and the HSF happens - and work!
- The working group and activity convenors, together with the CCT, form the HSF Coordination Team, meeting bi-weekly to organise the useful work of the HSF

# C'mere there's more



## Compute Accelerator Forum

The *Compute Accelerator Forum* is a series of meetings on topics related to the effective use of compute accelerators in the HEP

The CAF is organised by SIDIS, openlab and the HSF.

It comprises a variety of topics, ranging from:

- abstraction layer toolkits and general libraries
- HEP software projects that use accelerators
- particular topical issues that affect multiple projects

The schedule for past and future meetings is published in [Indico](#).

You can contact the [organisers](#) to suggest any topics that you would like to see in future meetings. Announcements of these meetings, in particular, are sent to the [compute-accelerator-forum-announce@cern.ch](mailto:compute-accelerator-forum-announce@cern.ch) mailing list (please subscribe!).

## Software and Computing Roundtable



The *Software and Computing Roundtable* is a general series of meetings on topical matters for the nuclear and high-energy physics community, which is organised jointly by Jefferson Lab, Brookhaven National Lab and the HEP Software Foundation.

The Roundtable has historically had particularly strong links to the nuclear physics community, but is now expanding to be the perfect meeting point with high-energy physics.



- There are also co-organised forums and roundtables
  - The Compute Accelerator Forum, co-organised with SIDIS and openlab
  - The Software and Computing Roundtable, HSF meets Nuclear Physics, e.g. looking ahead to EIC

# The HSF Organigram



**HSF Coordination Team**

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**HSF CCT**

HSF Working Group and Activity convenors

**Chair:** CT member rotation\*

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Function: Coordination of HSF working groups and activities

**HSF Core Coordination Team**

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**Chair:** elected by CCT

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Function: Decision-making body responsible for HSF strategy



**HSF Advisory Group**

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HSF-engaged community representatives

HSF CCT Chair + Secretary

**Chair:** elected by AG

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Function: Provide advisory input to HSF strategy from engaged communities

\*There is no standing chair for the HSF Coordination Team meetings which are focused on running the day to day work of the HSF



# Discussion

