



Particle Physics Advisory Panel (PPAP)

IoP Town Meeting
10-Apr-2024

Ruben Saakyan

Outline

- Members
- PPAP Role
- Recent and current activities
- Plans
- PPAP Community Meeting 2024

Membership



- **Ruben Saakyan, UCL (Chair)**
- Andrea Banfi, Sussex
- Tracey Berry, RHUL
- Andy Buckley, Glasgow
- Davide Costanzo, Sheffield
- Henning Flaecher, Bristol
- Marco Gersabeck, Manchester
- Elena Gramellini, Manchester
- Helen O’Keeffe, Lancaster
- Arttu Rajantie, Imperial
- Rebecca Seviour, Huddersfield
- Jessica Turner, Durham
- Sarah Williams, Cambridge

Since Oct’2023

Huge thanks to PPAP members whose term ended in October 2023

- Matthew Needham (Edinburgh)
- Adrian Bevan (QMUL)
- Monica D’Onofrio (Liverpool)
- Kimberly Palladino (Oxford)

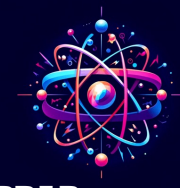
<https://www.ukri.org/who-we-are/stfc/how-we-are-governed/advisory-boards/particle-physics-advisory-panel/>

to be updated soon



PPAP Role (so far)

- Maintain an overview of activities within PP and future opportunities
- Develop and maintain science vision and long-term strategy. *Develop PP Roadmap (or rather Landscape of UK Particle Physics)*
- Consult and interact with PP community. Ensure its views are canvassed and effectively communicated to STFC.
- Provide advice to Science Board on specific questions, e.g. Infrastructure Fund proposals.
- Liaise with other advisory panels, e.g. PAAP, NPAP.
- Activity is demand driven. Typically meet every 2-3 months. More often when needed.

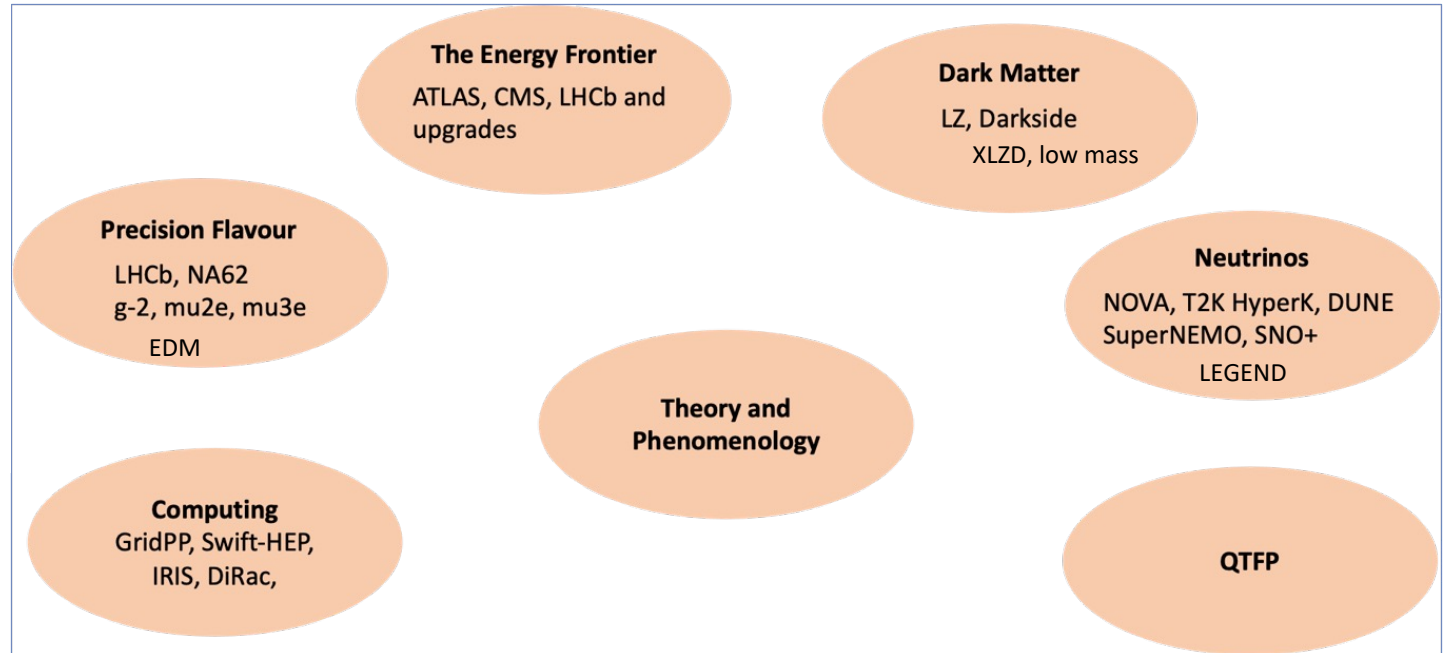


Current programme and Roadmap-2021

PPAP 2021 Roadmap

Particle Physics Advisory Panel

*B. Allanach, A. Bevan, M. D'Onofrio, R. Jones,
M. Needham, K. Palladino, S. Pascoli, J. Pasternak,
Y. Peters, R. Saakyan*



<https://www.ukri.org/publications/stfc-particle-physics-advisory-panel-roadmap/>

Other past activities

- Feedback on strategic review
- Input to Infrastructure Fund (Wave 3-4)
- Community meeting, Jul'2023



PPAP

Current Activities and Plans

- Engaged with Science Board and STFC to understand role of PPAP under new STFC governance changes (20 Mar PPAP meeting)
- STFC Advisory Panel Chairs Meeting (4-Apr)
- Working to understand **PPAN Roadmap** process (long range prioritised roadmap). **Community input.**
- **PPAP Community meeting 2024**
- Preparations for next update of **European Strategy for Particle Physics (ESPP)**
 - Connection with **ECFA-UK** activities
- Expect to provide input for upcoming Wave 5 PA Infrastructure Fund proposals? Should it be a more joined up effort with other Advisory Panels?



Update for European Strategy for Particle Physics 2026



- **ESPP** – scientific deliberation to enable Europe’s decision-making for the future of PP
 - Initiated in 2006, updates in 2013, and 2020
- Timeline announced
 - **Community input** submission by **31-Mar-2025**
 - **Conclude** process by **June 2026**
- **PPAP** and **ECFA-UK** organise **workshops** to promote UK engagement in **physics briefing book** efforts
 - **Online** half-day on **1 May**
 - **In-person** workshop in **September**
- September workshop will cover all major aspects of **physics studies** covering collider and non-collider physics and **accelerator** and detector **R&D**
- This will be followed by a **community “drafting day”**. Will take community input to produce a **first draft** of UK input to **briefing book**. Further iterations by Mar’2025. **PPAP** will organise and oversee this.
- *Synergetic* with **PPAN Roadmap**

PPAN Roadmap and ESPP. Community Input.



- Working with SB, STFC, ECFA-UK to ensure community's input is taken into account
- PPAP-2021 Roadmap update *is not expected*
- PPAP will start collecting community input on PPAN Roadmap and ESPP to capture "global changes" in the programme and community's aspirations
- Working on proforma/questionnaire
- Timeline: distribute to community by early May, return by mid-June.
- In time for a PPAP community meeting this summer

PPAP Community Meeting 2024



- Last meeting, 6-7 Jul 2023 @ Birmingham, was *forward-looking* – received well.
- This year PPAP would like to focus Community Meeting on
 - PPAN Roadmap process. Community input.
 - UK input for ESPP update
- Engagement with questionnaire is crucial. Questions and suggestions are welcome/encouraged.
- Time and venue: polling **late June/early July**. Dates to be sent around soon. Venue suggestions super-welcome!



In Summary

- We have a very broad and exciting PP programme.
- Sustaining it and ensuring excellence and leadership is a challenge
- 2024-25 will be critical for shaping the future of PP in UK
 - PPAN Roadmap – *prioritised* 10 yr plan
 - ESPP update in 2026 (national submissions by Mar'2025)
- PPAP's role is to provide a consolidated vision and aspirations of the community.
Requires your strong engagement!
- Look out for announcements on Hi-Phi and messages distributed via HoG's