

**ESPPU Drafting day at RAL, 28
Apr 2025**

Report of Contributions

Contribution ID: 1

Type: **not specified**

Session 2: prioritisation of alternative collider scenarios

Contribution ID: 2

Type: **not specified**

Introduction and discussion of community inputs

Contribution ID: 3

Type: **not specified**

Introduction and aims of the meeting

Monday, 28 April 2025 11:00 (10 minutes)

Presenter: SAAKYAN, Ruben (UCL)

Session Classification: Introduction and digest of community inputs

Contribution ID: 4

Type: **not specified**

News from Collider Physics inputs

Monday, 28 April 2025 11:10 (20 minutes)

In this session, we aim to have 3 short “digests” of the various project submissions that will be available after the 31st March in the following 3 areas:

- Collider physics
- Non-collider physics
- Accelerator projects

For the two physics talks, the aim is not to try and perform the comparisons that will be performed by the Physics Preparatory Group ahead of the open symposium in Venice, but instead to highlight the new information made available that the community should consider in the prioritisation and scenario planning discussions scheduled throughout the drafting day. For the accelerator talk, we hope this will summarise any updated costings, proposed timescales and environmental impact studies as well as specific proposals for beam parameters (energy/luminosity) at particular sites.

Presenter: MCFAYDEN, Josh (University of Sussex)

Session Classification: Introduction and digest of community inputs

Contribution ID: 5

Type: **not specified**

Updated discussions on 3c

Monday, 28 April 2025 12:10 (35 minutes)

Discuss specific answers to 3 of the 4 scenarios listed:

1. If Japan proceeds with the ILC in a timely way? (2. If China proceeds with the CEPC on the announced timescale?)
2. If the US proceeds with a muon collider?
3. If there are major new (unexpected) results from the HL-LHC or other HEP experiments?

(2) will be discussed as part of the 3e discussions

Session Classification: Session 1: FCC strategy in global context. Scenario planing.

Contribution ID: 6

Type: **not specified**

Initial discussion on scenarios for consideration in 3e

Monday, 28 April 2025 12:45 (15 minutes)

The following scenarios will be considered separately

environmentally unfeasibility - FCC is unaffordable or unfeasible on either cost or environmental grounds.

International developments - CEPC is realised.

Timing - Timescales for FCC are pushed back.

Session Classification: Session 1: FCC strategy in global context. Scenario planing.

Contribution ID: 7

Type: **not specified**

Prioritisation of alternative "plan B" scenarios

Monday, 28 April 2025 13:45 (40 minutes)

Session Classification: Session 2

Contribution ID: 8

Type: **not specified**

Further discussion of accelerator R+D topics (i.e. 3d)

Monday, 28 April 2025 14:25 (20 minutes)

Session Classification: Session 2

Contribution ID: 9

Type: **not specified**

News from Non-Collider Physics inputs

Monday, 28 April 2025 11:30 (20 minutes)

Presenter: KESHAVARZI, Alex (Manchester)

Session Classification: Introduction and digest of community inputs

Contribution ID: 10

Type: **not specified**

News from Accelerator Physics inputs

Monday, 28 April 2025 11:50 (20 minutes)

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Presenter: BOOGERT, Stewart (-)

Session Classification: Introduction and digest of community inputs

Contribution ID: **11**

Type: **not specified**

Neutrinos and Cosmic Messengers

Monday, 28 April 2025 14:45 (15 minutes)

Session Classification: Session 3

Contribution ID: 12

Type: **not specified**

Direct Dark Matter and Dark Sector

Monday, 28 April 2025 15:00 (15 minutes)

Session Classification: Session 3

Contribution ID: **13**

Type: **not specified**

Non-Collider Flavour Physics

Monday, 28 April 2025 15:15 (15 minutes)

Session Classification: Session 3

Contribution ID: **14**

Type: **not specified**

QTFP

Monday, 28 April 2025 15:30 (15 minutes)

Session Classification: Session 3