

Particle Physics and Accelerator Physics Strategy Meeting

Report of Contributions

Contribution ID: 1

Type: not specified

LHCb, COMET

Thursday, 3 October 2019 13:45 (10 minutes)

Presenter: EGEDE, U

Session Classification: Physics Landscape

Contribution ID: 2

Type: not specified

Future requirements for Belle II

Thursday, 3 October 2019 13:55 (10 minutes)

Presenter: URQUIJO, P

Session Classification: Physics Landscape

Contribution ID: 3

Type: not specified

Electron-Ion Collider - USA

Thursday, 3 October 2019 14:05 (10 minutes)

Presenter: GARRETT, R

Session Classification: Physics Landscape

Contribution ID: 4

Type: not specified

Future Colliders

Thursday, 3 October 2019 14:15 (10 minutes)

Presenter: TAYLOR, G

Session Classification: Physics Landscape

Contribution ID: 5

Type: not specified

Computationally Intense Physics

Thursday, 3 October 2019 14:25 (20 minutes)

Presenters: WHITE, M; YOUNG, R

Session Classification: Physics Landscape

Contribution ID: 6

Type: not specified

Brief overview of CoE CDMPP - what accelerator activities are supported by Centre?

Thursday, 3 October 2019 13:15 (15 minutes)

Presenter: BARBERIO, E

Session Classification: Physics Landscape

Contribution ID: 7

Type: not specified

Brief overview of LHC, HL-LHC, and ATLAS requirements not in the new CoE

Thursday, 3 October 2019 13:30 (15 minutes)

Presenter: JACKSON, P

Session Classification: Physics Landscape

Contribution ID: 8

Type: not specified

Role of Theory in Australian Particle Physics

Thursday, 3 October 2019 14:45 (20 minutes)

Presenters: KOBAKHIDZE, A; VOLKAS, R

Session Classification: Physics Landscape

Contribution ID: 9

Type: not specified

Structured discussion of activities

Thursday, 3 October 2019 15:05 (25 minutes)

Session Classification: Physics Landscape

Contribution ID: 10

Type: not specified

Consolidated List: Particle Astrophysics, Accelerator Physics, Nuclear Physics, Medical Physics Research, Light Source Research

Thursday, 3 October 2019 16:00 (45 minutes)

How can members of each contribute to the key goals?

Anatoly Rozenfeld “Applications of a medical accelerator for space research and innovative detectors to improve utilization of accelerators for cancer treatment”

Rohan Dowd “The CERN Xbox and the proposed Australian Accelerator Test Facility”

Session Classification: Linkages

Contribution ID: 11

Type: not specified

Meeting Computation Resource requirements

Thursday, 3 October 2019 16:45 (15 minutes)

Discussion - meeting the needs?

Presenter: BOLAND, L

Session Classification: Linkages

Contribution ID: 12

Type: not specified

Industrial Linkages

Thursday, 3 October 2019 17:00 (15 minutes)

Determine working group(s) and their mandate(s)?

Presenter: PEELE, A

Session Classification: Linkages

Contribution ID: 13

Type: not specified

Review existing Australian particle physics organisation: CoEPP, AUSHEP, AIP–NUPP, New Centre

Thursday, 3 October 2019 17:15 (30 minutes)

Session Classification: Linkages

Contribution ID: 14

Type: not specified

What organisation is required at National/International Level

Thursday, 3 October 2019 17:45 (30 minutes)

Define working group and its mandate

Session Classification: Linkages

Contribution ID: 15

Type: not specified

CERN Associate Membership

Thursday, 3 October 2019 18:15 (30 minutes)

Next Steps?

Define working group and its mandate.

Identify Key Milestones

Presenters: TAYLOR, G; NASH, J

Session Classification: Linkages

Contribution ID: 16

Type: not specified

Experience from roadmap for PP in the UK

Friday, 4 October 2019 08:45 (30 minutes)

Presenter: NASH, J

Session Classification: Particle Physics Road-map / Strategic Plan

Contribution ID: 17

Type: not specified

Roadmap experience from Astronomers

Friday, 4 October 2019 09:15 (15 minutes)

Session Classification: Particle Physics Road-map / Strategic Plan

Contribution ID: 18

Type: not specified

Identify broad groupings, define working groups and their mandates, eg.

Friday, 4 October 2019 09:30 (30 minutes)

- § High energy experiments
- § Favour physics experiments
- § Future collider opportunities
- § Theoretical particle physics
- § Accelerator R&D
- § Computation for particle physics
- § Astro-particle and neutrino physics
- § Accelerators for health/medical
- § Light sources

Session Classification: Particle Physics Road-map / Strategic Plan

Contribution ID: 19

Type: not specified

Define Goals and Parameters

Friday, 4 October 2019 10:00 (30 minutes)

Define Oversight Group, its Mandate and Convenor(s)

Session Classification: Particle Physics Road-map / Strategic Plan

Contribution ID: 20

Type: not specified

Outline / Sketch of Road-map

Friday, 4 October 2019 11:00 (15 minutes)

Session Classification: Particle Physics Road-map / Strategic Plan

Contribution ID: 21

Type: not specified

Define broad timetable for milestones and completion of complete roadmap

Friday, 4 October 2019 11:15 (10 minutes)

Session Classification: Particle Physics Road-map / Strategic Plan

Contribution ID: 22

Type: not specified

Commence Evaluation of Various Options for Particle Physics for Next ARC Centre Round

Friday, 4 October 2019 11:25 (10 minutes)

Session Classification: Particle Physics Road-map / Strategic Plan

Contribution ID: 23

Type: not specified

Document current understanding of characteristics of Successful Centre Proposals

Friday, 4 October 2019 11:35 (15 minutes)

Session Classification: Particle Physics Road-map / Strategic Plan

Contribution ID: 24

Type: not specified

Document ideas for other sources of major program funding

Friday, 4 October 2019 11:50 (10 minutes)

Session Classification: Particle Physics Road-map / Strategic Plan

Contribution ID: 25

Type: not specified

Closing Remarks

Friday, 4 October 2019 12:00 (15 minutes)

Presenters: TAYLOR, G; NASH, J; GARRETT, R

Session Classification: Closing

Contribution ID: 26

Type: not specified

Departure

Friday, 4 October 2019 12:15 (45 minutes)

Session Classification: Closing