

Session Program

24-29 Mar 2024

**The Future of High Energy Physics: A New
Generation, A New Vision**

Big Picture, Cross-Frontier Directions

Aspen Center for Physics

Sunday 24 March

09:45

Big Picture, Cross-Frontier Directions

Session | Location: Aspen Center for Physics

09:45–10:10 **Welcome & Introduction**

Speakers

Karri Folan Di Petrillo, Lawrence Lee Jr, Prof. Nausheen Shah, Dr Sally Shaw

10:10–11:00 **Post-P5 Physics Vision**

Speaker

Hitoshi Murayama

11:00–11:30 **Discussion / Q&A**

11:30

16:30

Big Picture, Cross-Frontier Directions

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16:30–16:55 **Direct Detection Overview**

Speaker

Hugh Lippincott

16:55–17:20 **Astronomical Searches, PBH dark matter**

Speaker

ALEXANDER KUSENKO

17:20–17:45 **Probing High Energy Particle Physics with Gravitational Waves**

Speaker

Jan Schütte-Engel

17:45

Monday 25 March

08:00

Big Picture, Cross-Frontier Directions

Session | Location: Aspen Center for Physics

08:00-08:25

Big Picture Questions in Particle Physics (from Theory to Experiments)

Speaker

stefania gori

08:25

Thursday 28 March

08:00

Big Picture, Cross-Frontier Directions

Session | Location: Aspen Center for Physics

08:00–08:25 **Opportunities in ML**

Speaker
Javier Mauricio Duarte

08:25–08:50 **Computing challenges/opportunities**

Speaker
Nick Smith

08:50–09:15

Challenges and Opportunities in Software & Computing for Future Colliders

Speaker
Heather Gray

09:15

09:45

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09:45–10:10 **Theory Challenges/Opportunities Panel**

Speakers
Cari Cesarotti, Carlos E.M. Wagner, Gab Montefalcone, Jan Schütte-Engel, Zahra Khajeh Tabrizi

10:10–10:35 **Big Picture Questions Particle Physics - Close Out**

Speaker
Carlos E.M. Wagner

10:35