**Session Program**

**10–12 Jun 2024**



# Sustainable HEP 2024 — 3rd Edition

# *Invited Talks*

Online

# Monday 10 June

14:15

## Invited Talks: Introduction to Climate Change
**Session** | **Location:** Online | **Conveners:** Shreyasi Acharya, Dr Hannah Wakeling

> 14:15–14:45
>
> **Impact of Climate Change on Energy System and Technology Choices (Keynote speech)**
>
> **Speaker**
> Prof. Jyoti Parikh

14:45

14:45

## Invited Talks: The intersection of HEP and the climate crisis
**Session** | **Location:** Online | **Conveners:** Dr Hannah Wakeling, Shreyasi Acharya

> 14:45–15:15    **The Climate Emergency: can Particle Physics ever be sustainable?**
>
> **Speaker**
> Prof. Veronique Boisvert

15:15

15:25

## Invited Talks: The intersection of HEP and the climate crisis
**Session** | **Location:** Online | **Conveners:** Dr Hannah Wakeling, Shreyasi Acharya

> 15:25–15:55
>
> **Tackling the hidden costs of computational science: GREENER principles for environmentally sustainable research**
>
> **Speaker**
> Dr Loïc Lannelongue

15:55

# Tuesday 11 June

14:10

## Invited Talks: Sustainable accelerators
**Session**  |  **Location:** Online  |  **Conveners:** Juliette Alimena, Shreya Saha

14:10–14:40    **Overview on the sustainability of future accelerators**

**Speaker**
Prof. Masakazu Yoshioka

14:40–15:10

**Sustainable Accelerator R&D in the UK (Contribution from the IOP PABG)**

**Speaker**
Mr Ben Shepherd

15:10

15:15

## Invited Talks: The psychology of Climate Change
**Session**  |  **Location:** Online  |  **Conveners:** Juliette Alimena, Shreya Saha

15:15–15:45    **The Psychology behind Sustainable Energy Transitions**

**Speaker**
Dr Thijs Bouman

15:45

# Wednesday 12 June

14:10

## Invited Talks: Industry
**Session** | **Location:** Online | **Conveners:** Dr Hannah Wakeling, Shreya Saha

14:10–14:40 **ARUP Life Cycle Assessment of the tunnelling of CLIC and ILC**

**Speaker**
Suzanne Evans

14:40

14:40

## Invited Talks: Best practices
**Session** | **Location:** Online | **Conveners:** Shreya Saha, Dr Hannah Wakeling

14:40–15:10 **On the environmental footprint of supercharged science**

**Speaker**
Dr Ayan Paul

15:10