

**Monte-Carlo support tools:  
future-proofing the bridge  
between theory and  
experiment**

**Report of Contributions**

Contribution ID: 1

Type: **not specified**

# Interface requirements for Primary Particle definition

*Tuesday, 25 June 2024 13:30 (30 minutes)*

**Presenters:** BIERLICH, Christian (Lund University); GUTSCHOW, Christian (UCL); LÖNNBLAD, Leif (Lund University)

**Session Classification:** Primary particle definition

Contribution ID: 2

Type: **not specified**

## Support for LLPs/quasi-stable particles

*Tuesday, 25 June 2024 13:00 (30 minutes)*

**Presenters:** BUTTERWORTH, Jonathan (UCL); CORPE, Louie (Laboratoire de Physique de Clermont); JEON, Sihyun

**Session Classification:** Primary particle definition

Contribution ID: 3

Type: **not specified**

## **Event record persistency formats for collider+neutrino physics**

**Session Classification:** Discussion / AOB

Contribution ID: 4

Type: **not specified**

# **Analysis preservation strategy for collider+neutrino physics**

*Friday, 28 June 2024 09:00 (1 hour)*

**Session Classification:** Interfacing with HepData

Contribution ID: 5

Type: **not specified**

## Reference data synchronisation between Rivet/HepData

*Friday, 28 June 2024 10:30 (1 hour)*

**Session Classification:** Interfacing with HepData

Contribution ID: 6

Type: **not specified**

## Standardised core event record for HepMC

*Wednesday, 26 June 2024 09:00 (30 minutes)*

**Presenter:** BUCKLEY, Andy (University of Glasgow (GB))

**Session Classification:** Event formats, content standardisation & reduction

Contribution ID: 7

Type: **not specified**

## **HDF5-based I/O for LHE/HepMC**

*Wednesday, 26 June 2024 10:30 (30 minutes)*

**Session Classification:** Event formats, content standardisation & reduction

Contribution ID: 8

Type: **not specified**

## **HepMC/EDM4HEP synergies**

*Wednesday, 26 June 2024 11:00 (1 hour)*

**Presenter:** PRICE, Alan (IPPP, Durham)

**Session Classification:** Event formats, content standardisation & reduction

Contribution ID: 9

Type: **not specified**

## **Propagating spin correlations in the event record**

*Wednesday, 26 June 2024 09:30 (30 minutes)*

**Presenter:** SCHOENHERR, Marek (IPPP Durham)

**Session Classification:** Event formats, content standardisation & reduction

Contribution ID: **10**

Type: **not specified**

## **Interfacing to specialist tools/afterburners**

*Thursday, 27 June 2024 13:00 (1 hour)*

**Session Classification:** Event formats, content standardisation & reduction

Contribution ID: 11

Type: **not specified**

## **Data persistency formats for collider+neutrino physics**

*Thursday, 27 June 2024 10:30 (1 hour)*

**Presenter:** STOWELL, John (University of Sheffield)

**Session Classification:** Event formats, content standardisation & reduction

Contribution ID: 12

Type: **not specified**

## MC utilities libraries

*Thursday, 27 June 2024 14:00 (1 hour)*

**Presenter:** BUCKLEY, Andy (University of Glasgow (GB))

**Session Classification:** Event formats, content standardisation & reduction