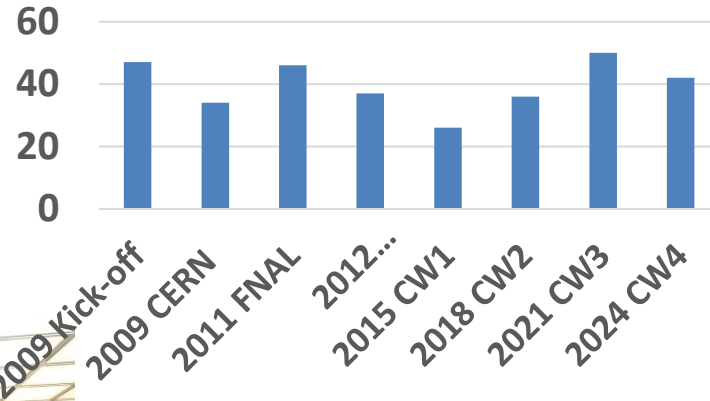


# 4th DPHEP Coll meeting closing remarks

## DPHEP Workshop Participants



# Ongoing items

- Send abstracts to physics conferences (EPS2025, ICHEP)
- Structure and rhythm of meetings:
  - 3 years a bit long;
  - Propose spring 2026? (before/with CHEP 2026?)
- Survey, DPHEP and DL (Kati)
- Management?



# CHEP 2024 DPHEP Talk

- Accepted on the basis of the 2023 report
- Of course updates and more than welcome/great new ideas and evolutions have been shown
- Speaker ?
- Support ressources (slides etc.)

## Data Preservation in High Energy Physics: a 10 years perspective



📅 22 Oct 2024, 15:00

🕒 18m

📍 Room 6

Talk

🗨 Track 8 - Collaborati...

Parallel (Track 8)

### Speaker

👤 Cristinel Diaconu (CPPM, Aix-Marseille Université, CNRS/IN2P3 (FR))

### Description

Data Preservation (DP) is a mandatory specification for any present and future experimental facility and it is a cost-effective way of doing fundamental research by exploiting unique data sets in the light of the ever increasing theoretical understanding. When properly taken into account, DP leads to a significant increase in the scientific output (10% typically) for a minimal investment overhead (0.1%). DP relies on and stimulates cutting-edge technology developments and is strongly linked to Open Science and FAIR data paradigms. A recently released report (Eur.Phys.J.C 83 (2023) 9, 795 | 2302.03583 [hep-ex]) summarizes the status of data preservation in high energy physics from a perspective of more than ten years of experience with a structured effort at international level (DPHEP).

### Primary author

👤 Cristinel Diaconu (CPPM, Aix-Marseille Université, CNRS/IN2P3 (FR))

### 📎 Presentation materials



There are no materials yet.

# Work ahead

- Do we update the report? (shorter, arxiv)
  - or indico enough (well documented this time, thanks Ulrich for insisting on abstracts)
- EPSSU doc. (see thereafter) 2009
- CERN Courier?

<https://cerncourier.com/a/data-preservation-is-a-journey/>  
2016

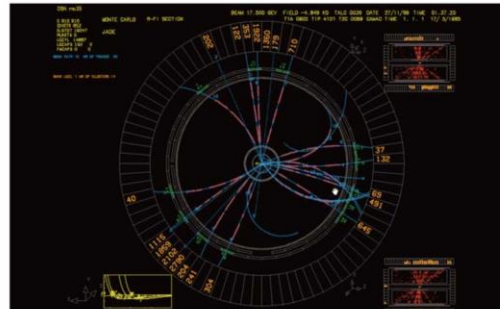


COMPUTING | FEATURE

## Study group considers how to preserve data

29 April 2009

How can high-energy physics data best be saved for the future?



A simulated event in the JADE detector, generated using a refined Monte Carlo program and reconstructed using revitalized software more than 10 years after the end of the experiment. Image credit: Siggj Bethke.

<https://cerncourier.com/a/study-group-considers-how-to-preserve-data/>



COMPUTING | FEATURE

## Data preservation is a journey

20 May 2016

Taking on the challenge of preserving "digital memory".



The tape-unit reel-display system (RDS) shown mounted over tape units in the 6600 computing complex, in 1965.

# ESPPU: a potential document structure

(if we are convinced that it is a sensible input to the ESPPU questions)

- General remarks on DP
- Scientific production
  - Exploiting the past
    - More science for low costs
    - b factories show that the analysis activity last longer and is more productive than the data taking periods
    - dedicated DP and ODS projects increase the scientific output
- Data Preservation and Open science
- Data Preservation and Technology
  - Robust data analysis systems
  - New technologies being initiated such as AI –BesIII
- Community and cultural aspects of preserving (costly) HEP data sets
- Data preservation for the future; responsible treatment of public investment, training for future generations
  - Preparing the future LEP → FCC , HERA → EIC, b-factories legacy, LHC long term analysis
    - (note that scaling on the present experience, there will be publications from HL LHC data beyond 2050 at least) ,