Open Access
How is astroparticle physics situated?

Champion in self archiving

A few relevant OA journals exist

Many core journals behind unreasonable high subscription barriers

CERN is not alone!
Among others we have:

• Max Planck Gesellschaft (MPG)
• Research Council UK (RCUK)
• Scuola Internazionale Superiore di Studi Avanzati (SISSA)
• … and CAST of course!
Open Access
Fame versus accessibility…?

Particle Physics: The first axion?
Steve Lamoreaux
Nature 441, 31-32 (4 May 2006)

Open access and citation impact
The Open Citation Project
**Open Access**

What do we have?

**Journals**

- Journal of Instrumentation (SISSA/IOP)

**Instrumentation**

- [Journal of Instrumentation](https://www.journalofinstrumentation.org) (SISSA/IOP)

**Physics**

- New journal of physics (IOP/DPG)
- EPJ A direct and EPJ C direct (Springer)
- Living Reviews in Solar Physics (Max Planck)

When will JCAP convert?
Open Access
What do we have?

Conference proceedings

- PoS - Proceedings of Science (SISSA)
- Journal of Physics: Conference Series (IOP)
- eProceedings (World Sci.)
- eConf: Electronic Conference Proceedings Archive (SLAC)
- InDiCo (CERN)
- CERN Yellow Reports (CERN)
Open Access
What do we have?

Old stuff made available in open access

Science

Physics
– Gallica (i.e. Annalen der Physik (v.1 1799-1930))

Astronomy and astrophysics
– NASA ADS (i.e. Mon. Not. R. Astron. Soc. (v.1 1827-2002))
Open Access
Hybrid models

American Institute of Physics
Author Select: $1500/article

Springer
Open Choice: $3000/article
OA - Authors own interest

Visibility
OA journals are available to everybody

Impact
OA articles cited more often

Recognition
New impact measures in progress

Librarians request:
Support pioneering OA journals
Submit papers (i.e. JCAP, JINST, NJP)

Long-term archiving
Submit preprints to institutional repositories
Open Access
Making the data available?

E-Science and open access

Tony Hey: “The purpose of the UK e-Science initiative is to allow scientists to do ‘faster, better or different’ research.”

OECD report on access to data:

“…publicly funded research data should be openly available to the maximum extent possible.”

CAST: Let the data free!


CERN involvement: important signal effect

LHC data complex to offer …
Data pre-processing requires resources
In the case of CAST: a good student full time
Magic moment
The OA discussion is burning …

Not too quickly
We should take our time, 6 months sooner or later makes little difference

Not too slowly
We will have a hard time simply to follow what we have initiated ourselves ….