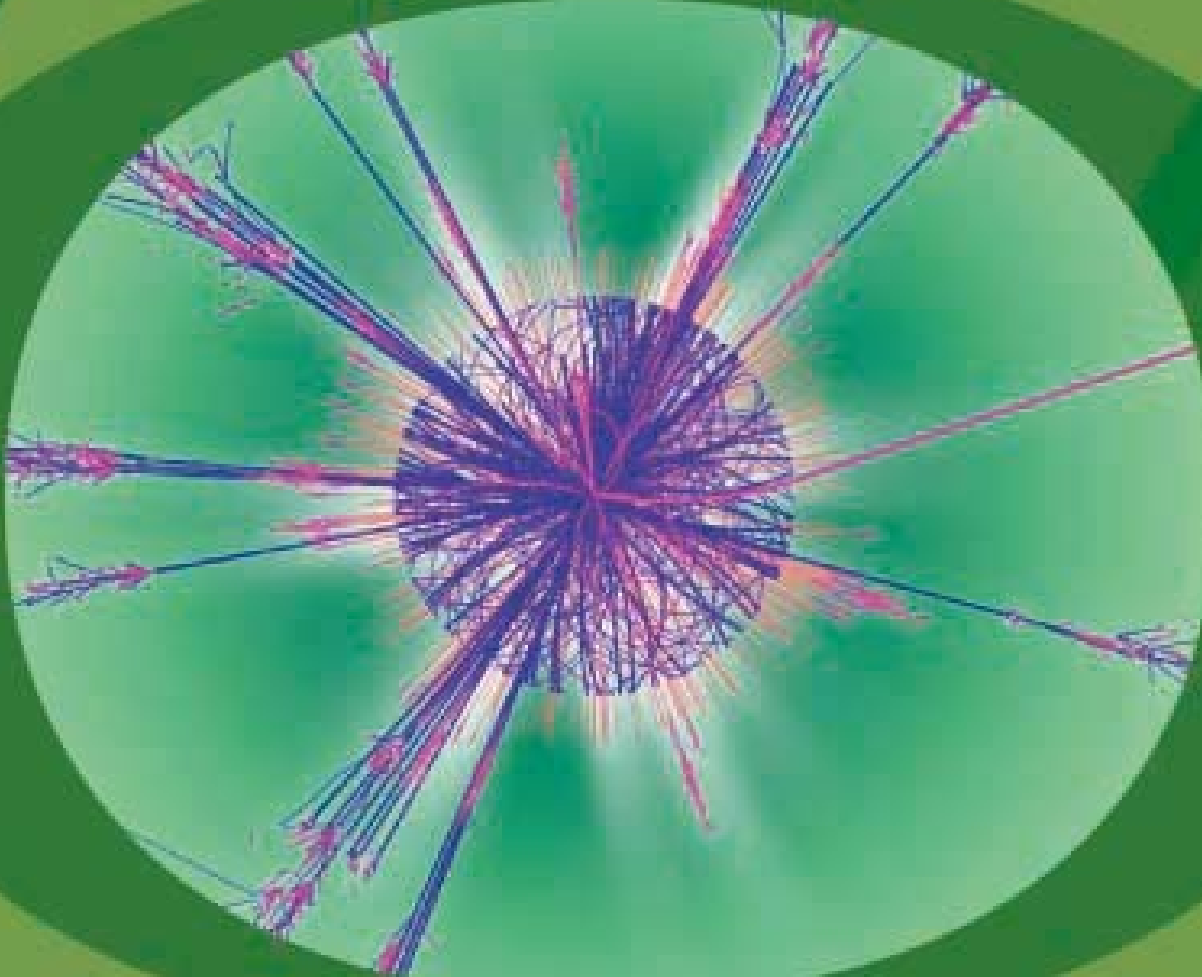# Compilation of SCOAP supported papers

Jens Vigen, Head librarian, CERN

Establishing a sponsoring consortium for Open Access publishing in particle physics
CERN, 3rd November 2006

Current HEP databases

- arXiv
  - Main submission interface

- CERN Document Server
  - World wide compilation of the HEP literature
  - Institutional CERN archive

- KEK Information Service System
  - Covering a subset of CDS/SPIRES – many scanned documents

- SPIRES
  - World wide compilation of the HEP literature

The publishers' role in database compilation/re-selling

- Elsevier
  - SCOPUS – compiled in-house
  - INSPEC – re-selling on behalf of IEE
  - Engineering Index – compiled in-house
- IOP
  - Gave up re-selling bibliographic databases in 2005
- Thomson Scientific
  - Science Citation Index - compiled in-house

A move to OA publishing could turn this situation around

- SCOAP-selected publishers should provide a feed of metadata to interested libraries
- The cost of compiling community driven services will drop
  - … even including citations
- A free version of SCOPUS/Science Citation Index could be made for particle physics and later on for other subject fields
- OA versions will be hosted locally – no more need for paper as "secure copies"

Technical development needed for keeping track of the fair share

- Software to count the number of authors per article and compute the faire share between funding institution
- This could be done inside CDS

SCOAP looking forwards backwards

- What about the past?
- When well established, SCOAP could make an effort to "free" the entire literature of particle physics once for all
  - Many already spent money on back-files
    - But barriers are still in place
  - When will the commercial publishers ask libraries for money again …?