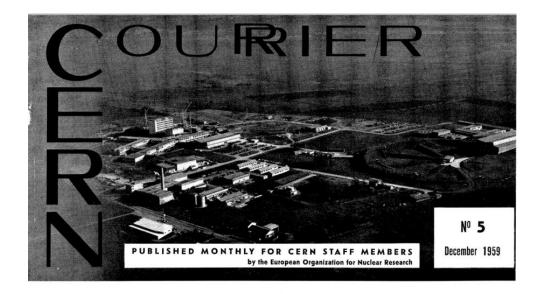
The future of CERN Courier



A Message from the Director-General

At the close of 1959, a year which, as a result of CERN's achievements, will stand out in the history of science, I am happy to send my best wishes for Christmas and the New Year to you and your families. At the request of the President of the CERN Council, I should also like to convey to you on his behalf the congratulations of the Council and its thanks for the excellent work you have accomplished.

It was thanks to the efforts and loyal cooperation of all its staff that CERN succeeded in bringing its proton synchrotron into operation. The whole world of science has paid tribute to the joint scientific effort which made this achievement possible.

We now have to remain in the forefront of scientific progress. To do this we must preserve the team spirit which

is typical of our Organization, and keep up our efforts to ensure the full success of our joint venture.

A happy Christmas and New Year to you all!

Last month at CERN

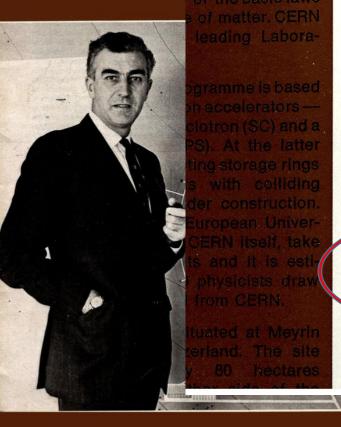
Hardly had the proton synchrotron reached an energy of 24 thousand million electronvolt, as planned, when particles were accelerated to a kinetic energy of 28 GeV during tests on 8 December. This figure was obtained by increasing to 14 500 gauss the magnetic field holding the protons on their orbit. For the first time, the poleface windings for correcting were used; they correct saturation effects in the magnets, which perturb the magnetic field at such high levels.

At 28 GeV, the particles can however only be accelerated every five second, instead of the three second cycle which is possible at 24 GeV. The particle current could not be accurately determined. It is estimated at a maximum of (continued on page 6)



Comment

No. 1 Vol. 9 January 1969



Organization for

as established in

es in nuclear reitifice and fundand in research

co-ordinator of

Ten years ago in August 1959, the first issue of CERN COURIER was published. It was intended as a 'house journal' for staff members and concerned itself mainly with conveying news about CERN inside CERN. A few years later the journal became also one of the main channels for informing people outside CERN about the work of CERN. More recently its character has evolved further to take in information on the work of related Laboratories.

distributed each month has grown steadily (the growth rate over the past three years has been 12 % / year) 8300 copies are

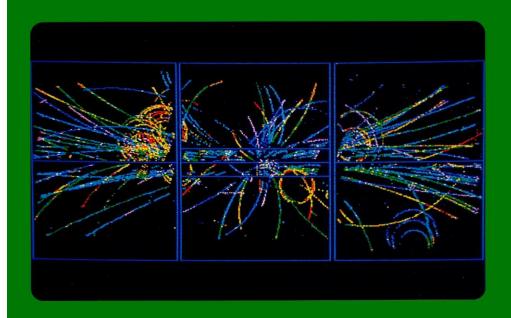
expectations but produced a few surprises.

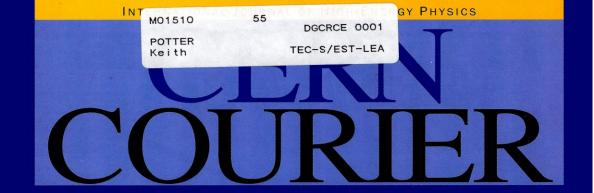
Taking some of the results from the external readership: 50 % of the 2800 questionnaires which were sent out were completed and returned (surveys of this type might reasonably expect 15 % response) and 36 % of those who replied said that they are 'cover-to-cover' readers. In addition, 86 % find the level 'about right' — but then maybe they would not take CERN COURIER in the first place if it were not 'about right'.

The breakdown of the readership into activities showed that 75% are graduate staff in science and engineering. The division into disciplines revealed 30% in

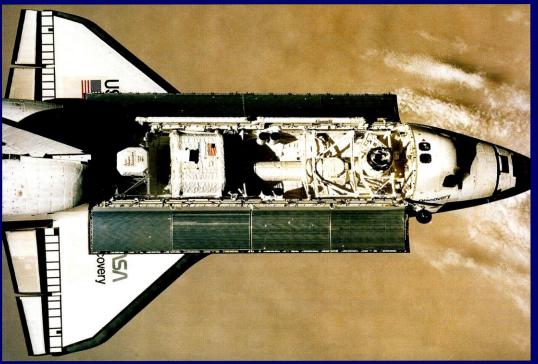
CERN COURIER

International Journal of High Energy Physics





VOLUME 38 NUMBER 7 OCTOBER 1998



Particle physics detector in space

QED IN BULGARIA

Researchers are still pushing at the frontiers of QED, as a workshop in Bulgaria revealed

STARING AT THE SUN

How will Gran Sasso's Borexino experiment work and what will it tell us about the nature of neutrinos?

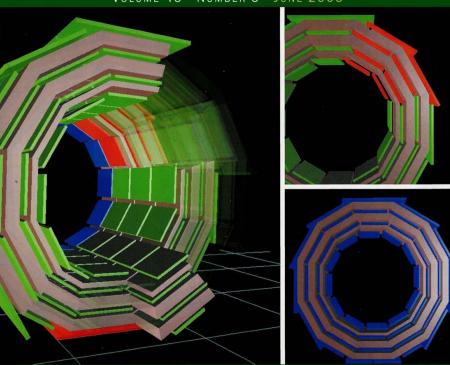
HADRON THERAPY

The Proton-Ion Medical Machine Study is exploring how particle physics can benefit medical treatment INTERNATIONAL JOURNAL OF HIGH-ENERGY PHYSICS

CERTIFICATION AND THE PHYSICS

CONTROL OF HIGH-ENERGY PHYSICS

VOLUME 45 NUMBER 5 JUNE 2005



Control systems enter a new era

RESEARCH POLICY

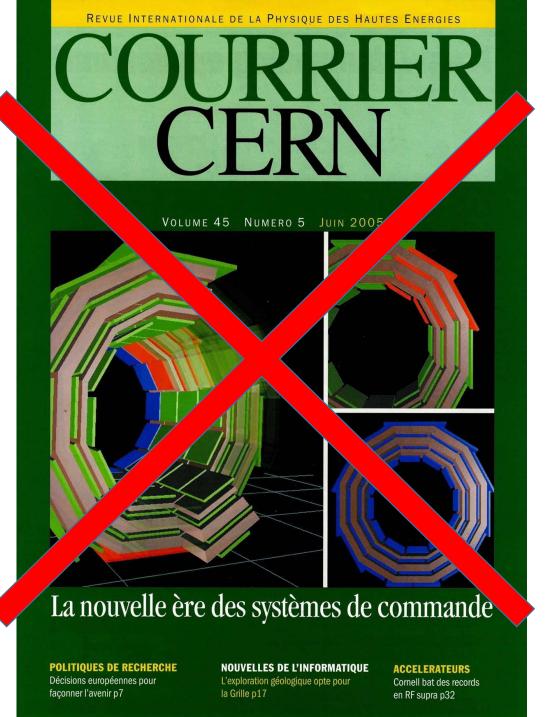
Europe takes steps to shape the future p7

COMPUTING NEWS

Geological exploration goes on the Grid p17

ACCELERATORS

Cornell breaks records with superconducting RF p32



INTERNATIONAL JOURNAL OF HIGH-ENERGY PHYSICS

CERNCOURIER

VOLUME 51 NUMBER 1 JANUARY/FEBRUARY 2011





COSMOLOGY

Planck satellite reveals a stellar first year p14

CELEBRATION

François de Rose, a founding father of CERN, turns 100 p44

COSMIC RAYS

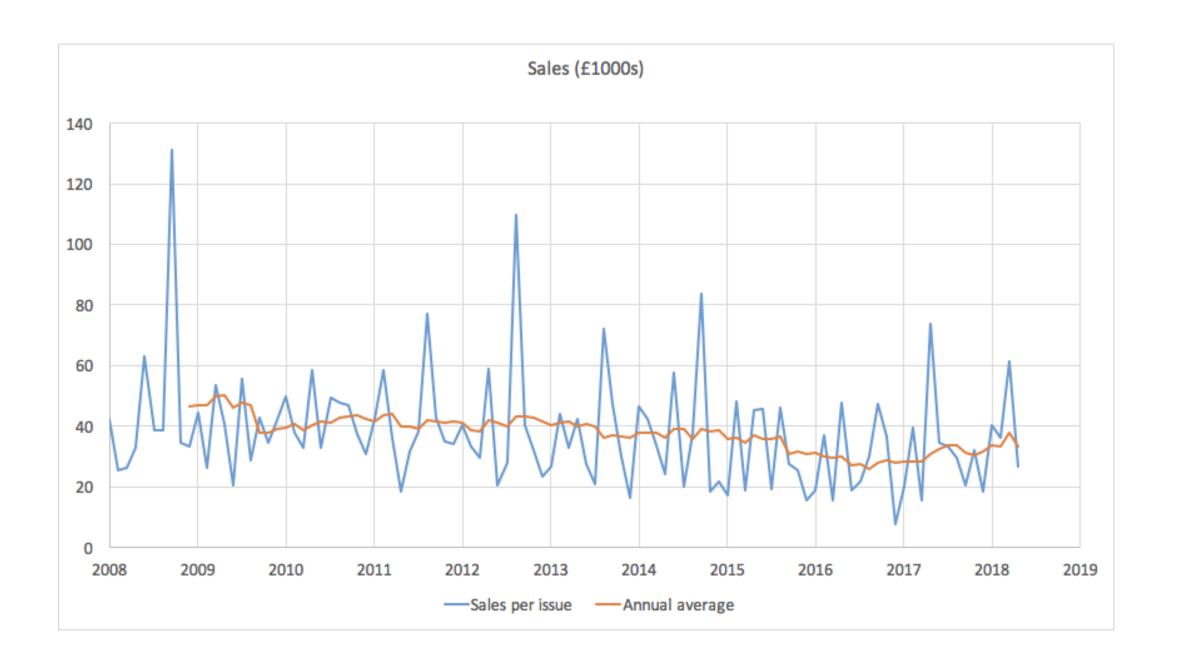
New evidence supports origin in remnants of supernovae **p21**

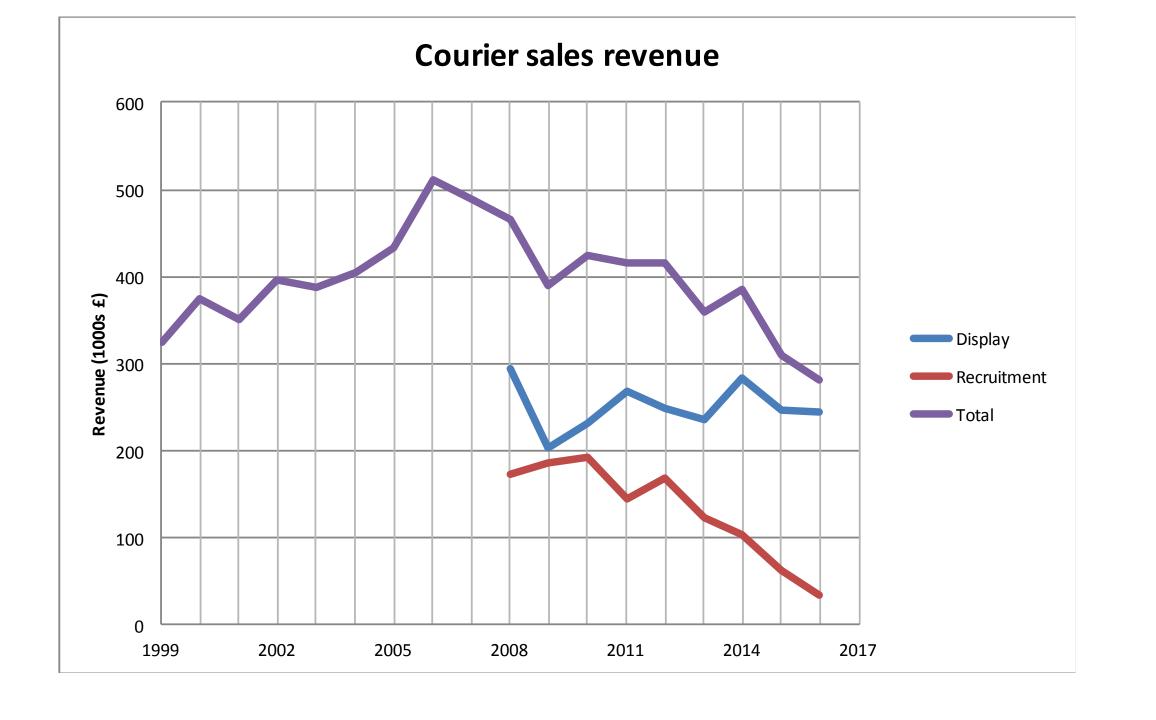
INTERNATIONAL JOURNAL OF HIGH-ENERGY PHYSICS

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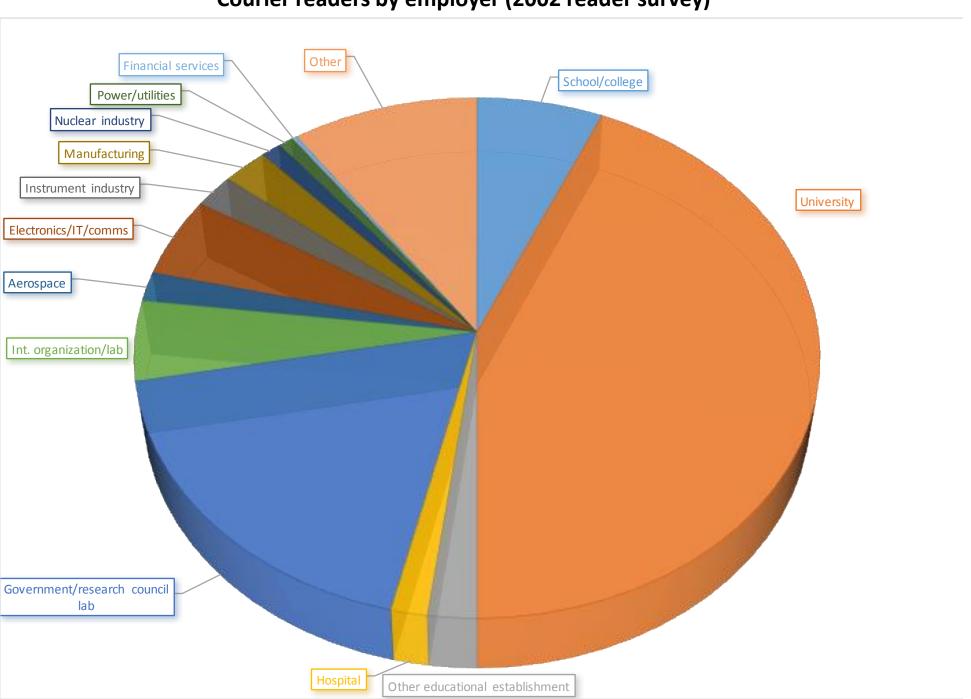
VOLUME 58 NUMBER 2 MARCH 2018

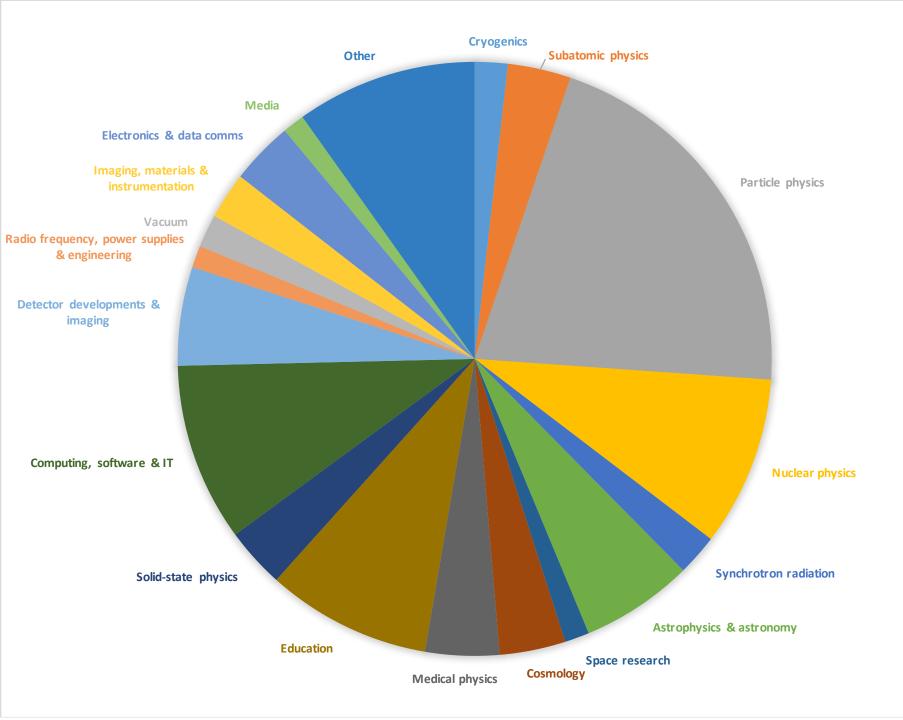
Illuminating antimatter Pauli principle on trial • Economic acceleration • Science for peace





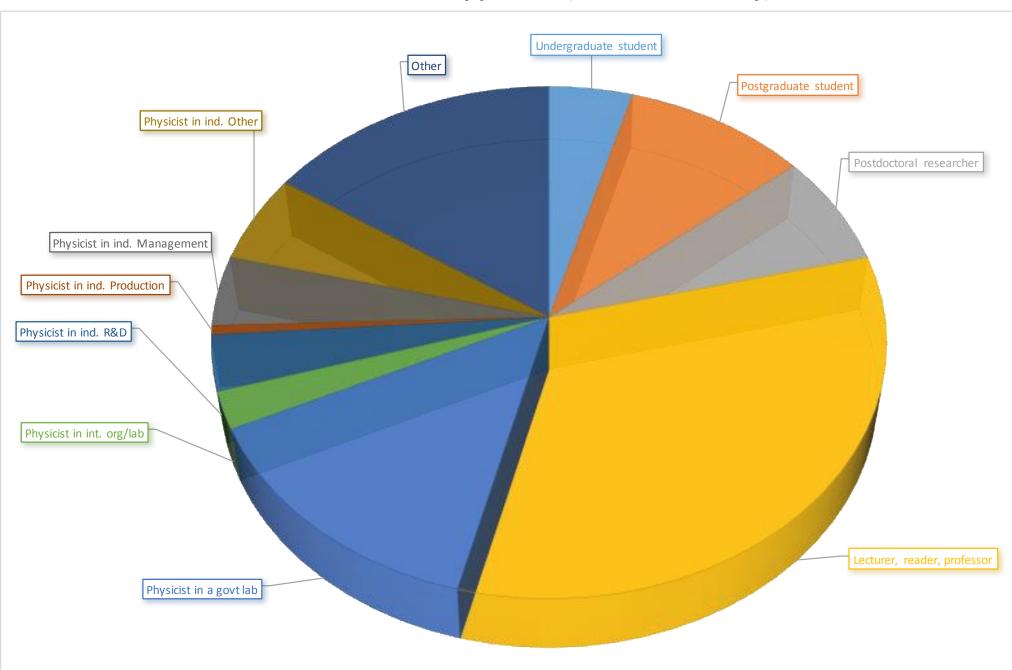
Courier readers by employer (2002 reader survey)

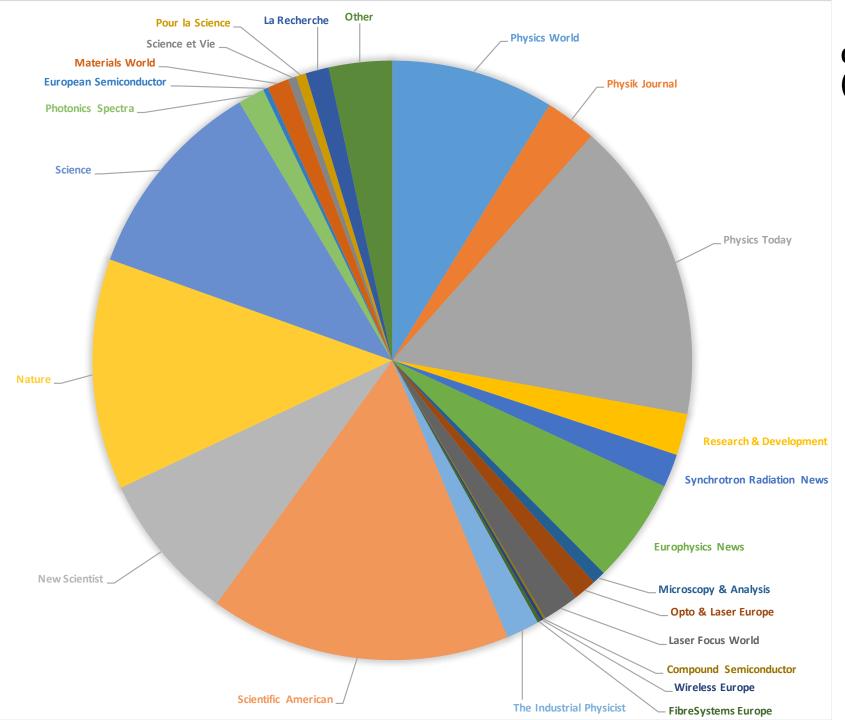




Courier readers by sector (2002 reader survey)

Courier readers by position (2002 reader survey)





Other magazines read by Courier readers (2002 reader survey)

Quotes from CERN Courier reader survey 2002

Q. What do you like most about CERN Courier?

- Nicely written paper. It gives an overview of what happens in a comprehensive way.
- Its wide and informative coverage of physics news in my field or fields connected to mine.
- I have been on the CERN Courier mailing list since 1971, it has been my companion through all my job and continent hopping. As a physicist turned engineer in the mining industry, the magazine has been helping me to stay in touch with developments in physics. As an editor-in-chief of Journal of Magnetic and Electrical Separation I use your information on latest developments in magnetism in the snippet section (News Briefs and New Products) of my journal. Overall, I find your magazine of great value.
- I can receive hot topics on particle and nuclear physics through CERN Courier
- Covers the entire HEP community, i.e. all the labs worldwide.
- Innormal presentation of new projects which are representation of new projects which are represented by the representation of the
- I've received the Courier since 1966. The articles are always of interest and have gotten better. A fine way to keep up on the world of HEP.
- Efficient, easily accessible overview of many developments in our field, both in terms of physics results, and in terms of other relevant developments concerning facilities, detectors, meetings and people.
- It is the single, internationally comprehensive news journal of particle physics. (Only the SLAC periodical approaches the Courier, and very weakly at that).
- It keeps me current so that as a non-physics major I can discuss with my students new developments in nuclear physics.
- Objectivity from a source outside the US.
- Pleasing distribution and presentation of advertisements in between articles.
- That is presents facts clearly and in a compact fashion, and that the spectrum of articles is like a nice bunch of flowers.
- · It exists
- All!
- It is the only good magazine for HEP.
- It covers necessary areas to all that are in love with physics.
- Conciseness and quality of the papers.
- Up-to-date research explained in understandable language.
- It is difficult to specify which one in particular. I am an old reader for about 20 years. I enjoy most of the articles.
- 'Astrowatch' and 'Physicswatch' provides us with most mesmerizing news...most tantalizing and most interesting.
- Staying in touch with the physics community.
- Feeling of community suggested by contents.
- Recu
- It's free.

Courier reputation / brand remains strong:

"It is one of the many periodicals I receive, and one of the few I actually read."

Steven Weinberg, 13 July 2017

"My 15 year old son is physics mad and he just loves cern.

How can I buy a subsciption to your magazine and is it only for scientists?"

Sylvia Moran, US

"By the way, we love the Courier! Dave and I have joked for many years that it's the *Rolling Stone* for particle physicists."

David Hertzog and Chris Polly, FNAL, 26 April 2018

International Journal of High-Energy Physics

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WELCOME



The CERN Courier website brings you online articles from the print magazine and a variety of resources for the high-energy physics community.

FEATURE OF THE MONTH



Tales of TRIUMF Apr 19, 2018 Founded 50 years ago to meet research needs that no single university could provide, Canada's premier accelerator aboratory continues to drive

Continue reading this article

NEWS

Beams back in LHC for final phase of Run

DESY sets out vision for the future

Flooded LHC data centre back in business

First hints of ultra-rare kaon decay Antihydrogen spectroscopy enters precision era

Charm oscillations precisely measured by

ATLAS focuses on Higgs-boson decays to vector bosons

ALICE closes in on parton energy loss CMS observes rarest Z boson decay mode

Sommaire en français

SCIENCEWATCH

Graphene is also a superconductor

Continuous-wave maser

Modifying nuclear decay rates

Laundry physics

Superionic ice

Gamma-ray lasing

ASTROWATCH

Hubble expansion discrepancy deepens Picture of the month

LATEST JOBS



Posting date: Apr 26, 2018

ALBA Scientific Director Position Posting date: Apr 25, 2018

☼ IBS Young Scientist Fellowship

Posting date: Apr 13, 2018 Closing date: May 31, 2018

IPAC18

9th International Particle Accelerator Conference Vancouver, BC, Canada. Apr 29 - May 4, 2018 www.ipac18.org

LATEST ISSUE



CERN Courier May 2018 Volume 58 Issue 4

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REGULARS

FEATURES

Crab kicks for brighter collisions

Advanced radio-frequency crab cavities are to be

The long march of niobium on copper

Niobium-copper accelerating cavities, once the

back in business and beginning to challenge the performance of their bulk-niobium counterparts.

single university could provide, Canada's premier

accelerator laboratory continues to drive discoveries.

pinnacle of radio-frequency technology at CERN, are

tested for the first time in a proton beam, a vital step towards the high-luminosity LHC upgrade.

Faces and places

Tales of TRIUMF

New leader at Fermilab's next accelerator . Change of chairs for antimatter community . Pontecorvo award to Fogli and Lisi . Gold medal for extreme nuclei • Winners of the 2018 Collide awards revealed

· Defining technology for tomorrow's experiments · Standard Model gets annual check up at Moriond • Industry rises to FCC conductor challenge • Training tomorrow's accelerator scientists • L'Oréal-UNESCO For Women in Science • Visits

Obituaries

Jon Peter Berge 1935-2017 • Daniel Boussard 1937-2018 • Violette Brisson 1934-2018

Bookshelf

The Standard Model in a Nutshell • Technology Meets Research: 60 Years of CERN Technology, Selected Highlights • A Primer on String Theory • A Student's Guide to Dimensional Analysis

From the May 1975 issue

PRODUCTS & SERVICES

This channel comprises content supplied by vendors.

Teledyne SP Devices Announces Peerto-Peer Streaming Support







Some stats for cerncourier.com

In 2015-2017 there has been an average of:

- 15,373 unique visitors per month
- 46,455 pageviews per month
- 2.09 pages per session
- •31.9 % of visitors have been returning // 68.1% of visitors have been new

Top 5 countries visiting are:

- US (21.53%)
- Switzerland (7.82%)
- Germany (7.77%)
- UK (7.71%)
- France (6.09%)

Excellent opportunity to develop Courier

- New publishing contract with IOPP; tendering process gave a much needed kick: lots of enthusiasm and good will on both sides.
- Overhaul of website is the minimum we should expect.
- But also a chance to reassess Courier's content, role and potential as a whole, in print and online.
- Key period for HEP and CERN, and an all-new Courier could offer a dynamic and responsive communications platform to tie with strategic aims.

Some options for discussion

1. Keep magazine as now + new (but still static) website

- 2. Keep magazine as now + dynamic new website
 -> build a community portal for HEP by offering regular stream of editorial for website, a portion of which will go into the print issue
- 3. Reduce magazine frequency to help make manageable + grow even fuller HEP community hub

- A central feature of the new Courier website will be a regularly updated news and features channel covering:
- Scientific developments (machines, physics, theory, computing);
- Policy & funding issues;
- People (prizes, appointments, obituaries);
- Training & career development;
- Conferences & events;
- Broader related topics (e.g. technology & innovation / outreach).
- Articles would be archived under content headings on a sidebar along with 20 years of previous Courier content -> valuable source of info for researchers.
- Much online content will also appear in the print issue, while some will be webonly -- a model followed by most print titles. media, etc)

Could collate content from other sites, e.g. ILC newsline, Accelerating news, interactions.org, and new ideas (young researche

Break new editorial ground: limited 'only' by resources (!)

Make more relevant for community, while also serving CERN's long-term interests and attracting interest of wider world / media.

Current model

- All editorial content provided by Courier editor, equating to one CERN FTE
- Some regular contributors but no budget for professional writers, images, graphic design etc.
- IOPP takes care of magazine production, advertisements, printing, distribution & marketing
- IOPP owns and manages cerncourier.com, which is a static site updated with each issue, and also provides pdf and flip-viewer versions
- IOPP collects all advertising revenues up to 350k and CERN receives a royalty for sales above this amount (traditionally resulting in 10 issues for the price of 9, but now zero)
- CERN pays for worldwide postage costs, equating to ~100k
- Approx 22,000 printed issues distributed free to individual subscribers and all major relevant labs & institutes, and also present at major trade shows and events in the field
- Publishing contract has been rolled over from year to year and is ripe for renewal

Covering current developments in high-energy physics and related fields worldwide

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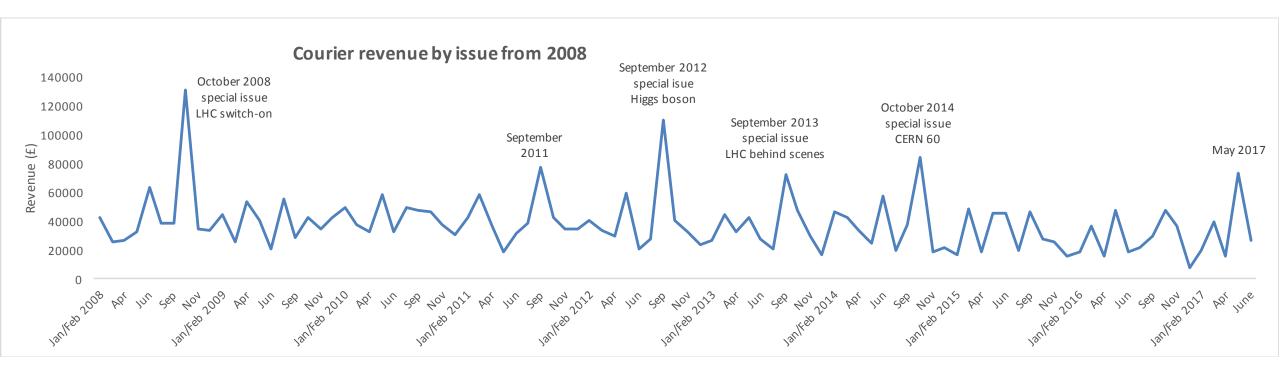
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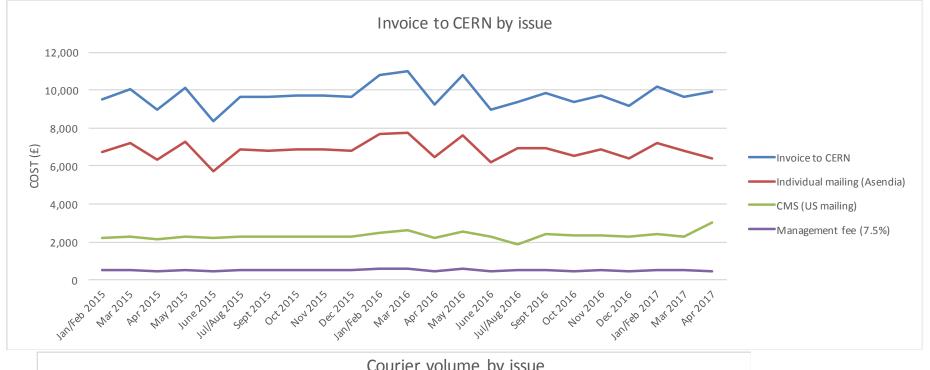
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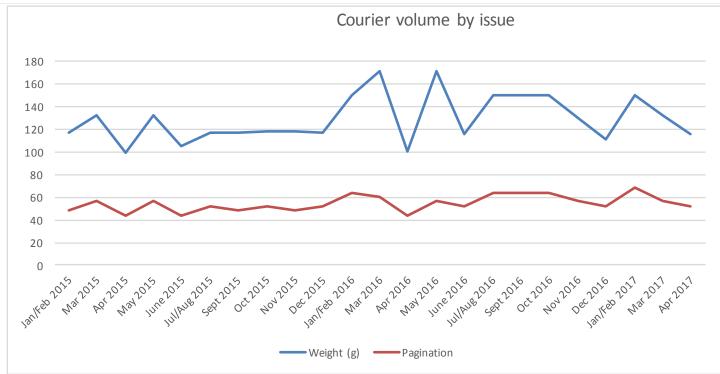
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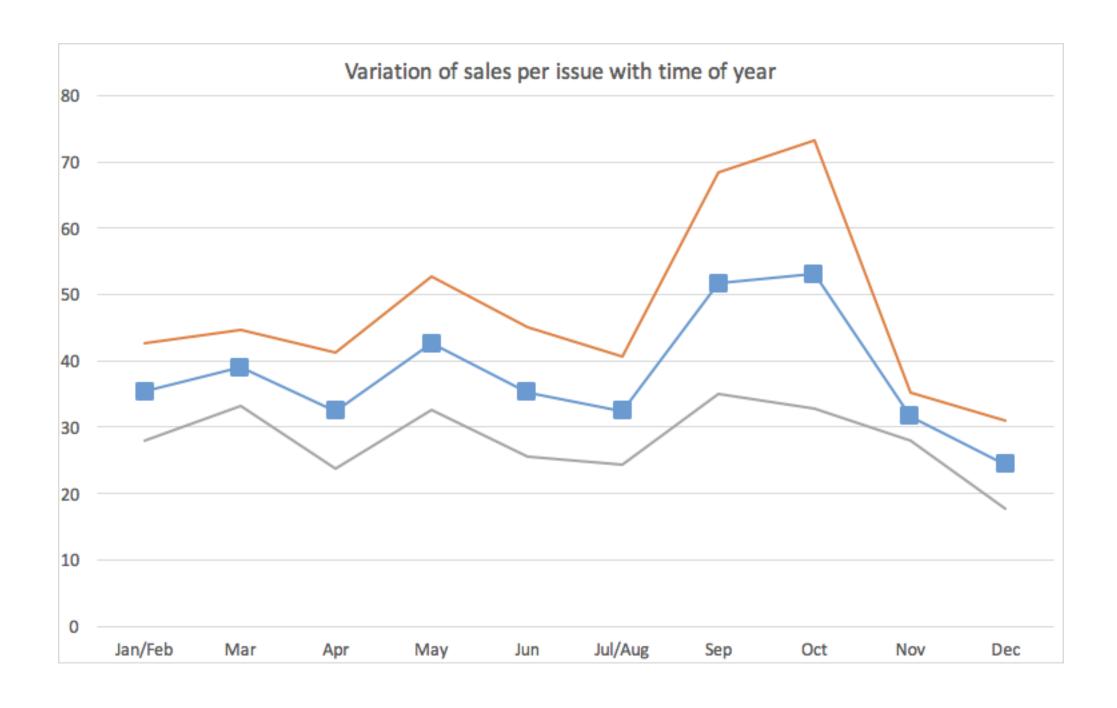
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• Cover (1 page)

• Viewpoint (1 page)

News (~5 pages; 7-10 stories)

• **Sciencewatch** (1 page; 6 or 7 stories)

• Astrowatch (1 page; 2 stories)

• **Features** (~15 pages; 3-5 features)

Faces&Places (~7 pages; 10-15 stories across appointments, awards,

events, visits, conferences, obituaries)

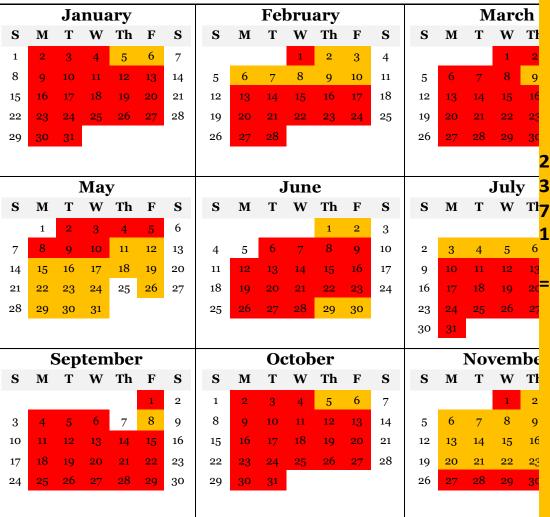
• Bookshelf (2 pages; 4 or 5 stories)

Inside story (1 page)

• Archive (1 page)

- Roughly 35 pages + 80 high-res images with credits to produce each month, involving up to 40 individual stories/authors => approx 2-3 pages (~2000 wds + images) ready for publication per day.
- + research for features, news etc; attending conferences (?); finding & commissioning authors; liaising with IOPP; admin.

2017



231 working days at CERN per year

175 days Courier production with IOPP expecting flow of copy during each 3.5 we

- Editing
- Writing
- picture research
- dealing with authors
- fact checking
- proof reading

23 days for weekly group meetings (0.5 per week)

- July 3 days offsite meetings
- s M T W Ti7 days annual report duties
 - 10 days non-Courier work in editorial team

= 13 days for everything else:

- Researching Courier articles, finding and commissioning authors, planning issues; liaising with IOPP sales team; admin (post, distribution list);
- Attending conferences / visits;
- Professional development (e.g. language and other training);
- ☐ Annual leave (~30 days);
- Unexpected duties/absences;
- ☐ *CERN Courier* development.

