CERN Bulletin

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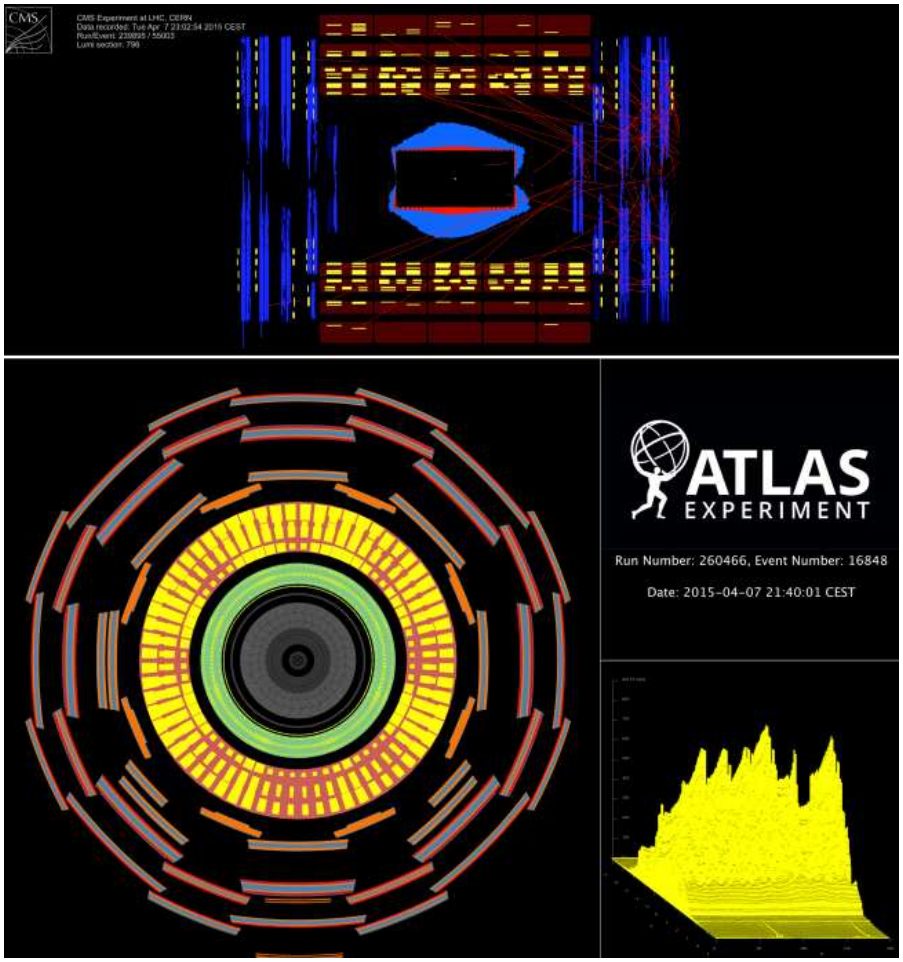
More articles at: **http://bulletin.cern.ch**

FIRST BEAM SPLASHES AT THE LHC

After a two-year shutdown, the first beams of Run 2 circulated in the LHC last Sunday. On Tuesday, the LHC operators performed dedicated runs to allow some of the experiments to record their first signals coming from particles splashed out when the circulating beams hit the collimators. Powerful reconstruction software then transforms the electronic signals into colourful images.



"Splash" events are used by the experiments to test their numerous subdetectors and to synchronise them with the LHC clock. These events are recorded when the path of particles travelling in the LHC vacuum pipe is intentionally obstructed using collimators – one-metre-long graphite or tungsten jaws that are also used to catch particles that wander too far from the beam centre and to protect the accelerator against unavoidable regular and irregular beam losses. The particles sprayed out of the collision between the beam and the collimators are mostly muons. ATLAS and CMS recorded their first splash events of Run 2 on Tuesday, 7 April.

(Continued on page 2)

IMPORTANT MILESTONES FOR THE LHC AND FOR INTEGRITY

The major news this week is, of course, the start of LHC Run 2. Things went smoothly once the short circuit to ground in sector 3-4 had been resolved on 31 March, and by the time of the morning meeting at the CERN Control Centre on Easter Sunday, everything was ready to thread a beam around the machine. The meeting wrapped up at around 9.45, and by 10.41 the anticlockwise beam had made its first complete orbit. The clockwise beam completed its first turn at 12.27.

(Continued on page 2)

In this issue

NEWS

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A word from the DG

IMPORTANT MILESTONES FOR THE LHC AND FOR INTEGRITY

There was an atmosphere of excitement in the Control Centre that morning, and the smoothness of proceedings belied the fact that this was the first beam around the LHC for two years. Over that time, the LHC had been transformed, so there was nothing routine about the task in hand, and it's a great credit to all that things went so well. The schedule now foresees a couple of months of careful commissioning with beam before the start of physics at 13 TeV at the end of May or in early June.

It's traditional to mark major milestones at CERN with a bottle of champagne. Those of you following the live blog through the day on Sunday may have noticed a slight break with tradition on this occasion, however: there was no champagne, but I have to confess that a great deal of Easter chocolate was consumed. And since the champagne moment came so early in the day, that's perhaps just as well!

The other subject I want to cover this week is our new policy on conflicts of interest. Have you ever found yourself asked to serve on a selection board for which a member of your family is a candidate? Or been offered tickets for a sporting event by a potential supplier? If so, then you probably realised that by joining the board or accepting the gift, you would have been putting yourself in a position of conflict of interest, and thereby compromising one of CERN's core values: integrity.

The examples I've given above are clear-cut. But what if it had been an old acquaintance applying for the job, or a little box of chocolates instead of tickets to the final? These are situations that we can all find ourselves in, and it is not always obvious whether they represent a conflict of interest or not. That's one of the reasons we have decided to introduce a policy for the prevention and management of conflicts of interest, to complement the anti-fraud policy that was introduced in 2013.

Like the anti-fraud policy, this new policy applies to anyone acting on behalf of CERN, whether members of the personnel, contractors, consultants or anyone carrying out CERN business. It is based on education – helping people to realise when they may be subject to a conflict of interest so that they have a clear mechanism for the disclosure, discussion and resolution of the situation. Simply stated, whenever you suspect that there may be a conflict of interest, tell your supervisor, and an appropriate course of action can then be determined. Confidentiality is assured, and disciplinary action is taken only if any intentionally concealed conflicts of interest come to light.

The policy was adopted by the Management this week, and is available to consult in full online. I strongly encourage you to familiarise yourself with it, and help us maintain the integrity not only of this Organization, but also your own.

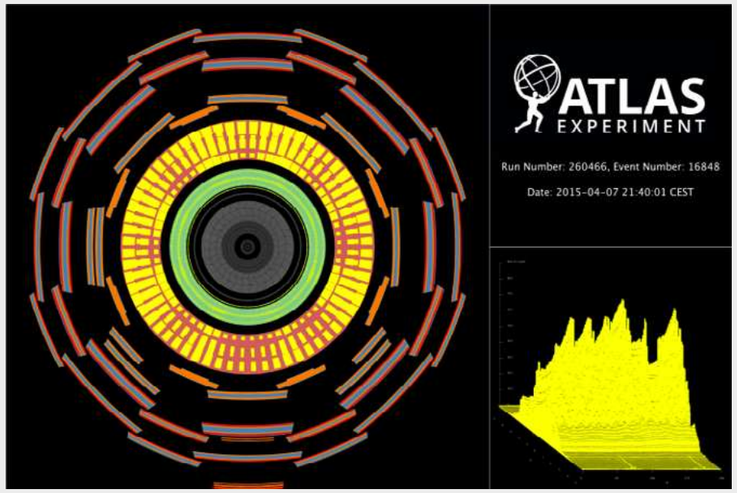
Rolf Heuer

(Continued from page 1)

FIRST BEAM SPLASHES AT THE LHC

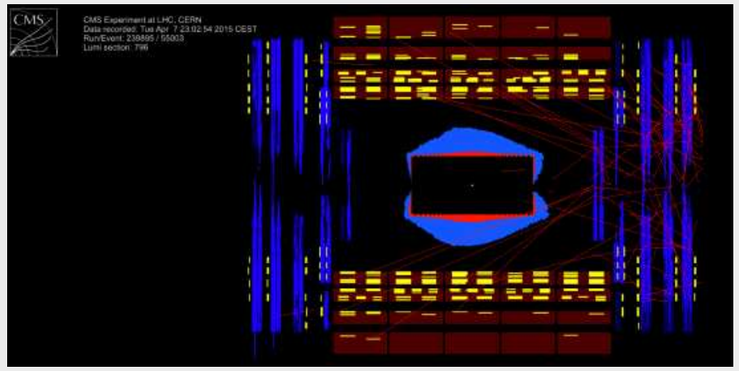
ATLAS

This picture shows the first collimator "splash" event seen by the ATLAS experiment in LHC Run 2 , on Tuesday, 7 April: event 16848, run 260466. The collimator position is 140 m in front of the ATLAS interaction point. The figure on the left shows an axial view of the various components of the ATLAS detector. The figure on the right shows the energy deposits in the cells of the ATLAS calorimeter.



CMS

CMS event display from LHC beam splash on Tuesday, 7 April. This is the first time the full detector has seen coincident particles since the end of Run 1 - over two years ago. In contrast to collisions where the particles come from the centre, in this splash event, particles traverse the detector horizontally from one side to the other. In the centre, the electromagnetic and hadron calorimeters show energy deposited according to the size of the colour emanating from the centre. The white in the top, bottom, left, and right indicate activity in the resistive plate chambers while the dark grey on the left and right indicate activity in the cathode strip chambers. The attention of the collaboration has been focused on understanding the features of these complicated events to confirm that the response is as expected after the extensive work performed during Long Shutdown 1. The collaboration's appetite has been whetted for collisions at 13 TeV later this year!



CERN Bulletin

LHC REPORT: NOW IT'S FULL SPEED AHEAD (STILL WITH PROBE BEAM)

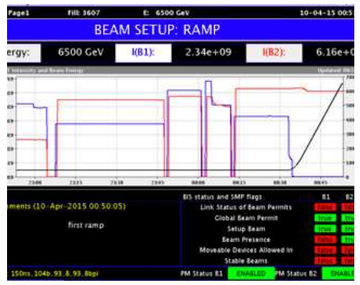
Since the last report, the commissioning with beam was delayed after a short to ground appeared in the cold mass of the main dipole chain in sector 3-4. After a remarkable team effort coordinated by the Machine Protection group, a procedure to burn away the small piece of metallic debris that was causing the earth fault was conceived, prototyped, tested and deployed. The intervention was successfully completed on the afternoon of 31 March and the first beams circulated in the LHC on Sunday, 5 April. Just a few days later, at just past midnight on Friday, 10 April, beam was ramped up to 6.5 TeV.

The intervention successfully conducted in sector 3-4 opened the way for the completion of quench training in the sector and the final qualification of the circuit. This marked the end of a long and arduous powering test campaign that has fully qualified all circuits for 6.5 TeV operation.

There then followed a series of machine protection tests designed to test the critical beam interlock system (BIS) and its links to other key protection related systems such as the beam dump and injection.

Beam was finally taken down the two SPS-LHC transfer lines on Sunday morning. With the injection regions having already been in action during the sector test, progress was rapid. One at a time, both beams were steered sector by sector around the ring. Progress around the ring was staged by stopping the beam on collimators, with the beam trajectory being corrected at each step. When the final collimators were retracted, the beam immediately performed many turns. During this initial phase of beam commissioning, the LHC is working with a "probe beam" – a single low-intensity bunch (~5 x 10^9 protons).

The Radio Frequency (RF) team working from point 4 were able to make the necessary adjustments and the beams were soon "captured", meaning that the single bunch was injected cleanly into the chosen RF bucket and then remained nicely bunched. This allowed preliminary commissioning of the key beam instrumentation, which soon gave measurements of the closed orbit, tune and chromaticity. After correction of these parameters, the beams circulated happily with good lifetimes. At first glance, the 450 GeV machine is similar to that of Run 1. More detailed measurements will be performed in the coming days.



"LHC page 1" shows the status of the LHC just after midnight 10 April.

For the moment, all beam-based work has been done at injection energy. The main thrust has been the beam-based system commissioning of: RF; beam instrumentation; feedbacks; collimation; machine protection; and the beam-dump system.

On Tuesday evening, "splashes" were delivered to ATLAS and CMS. This is where the incoming bunch is intercepted by a tertiary collimator just upstream of the experiment, resulting in a spectacular shower of particles in the detector. The splashes are used by the experiments to time in their sub-detectors and to produce some very nice images.

A first ramp attempt was made at around 1.00 a.m. on Friday, 10 April, again with a single probe bunch in each beam. Beam 1 was lost shortly after the start of the ramp due to large tune excursion. Beam 2, however, went happily to 6.5 TeV, where a few preliminary measurements were performed.

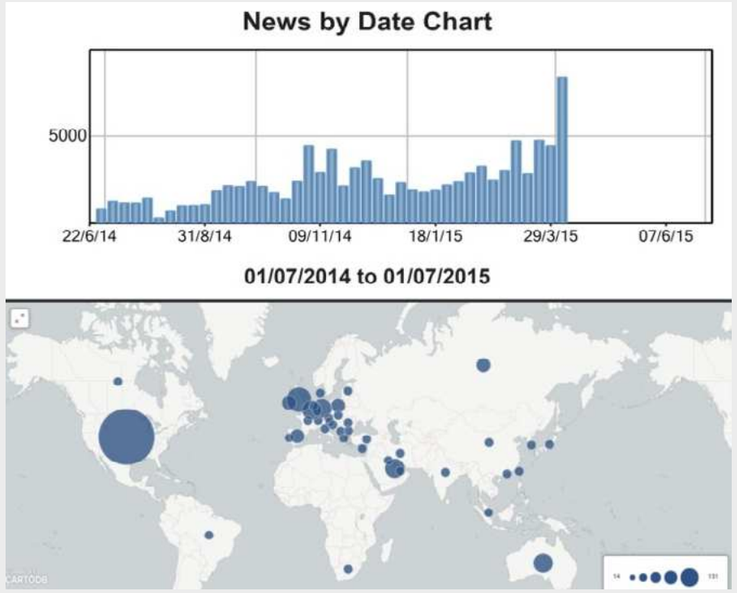
Over the coming days, system commissioning continues combined with ramp commissioning. A first look at the beam squeezing is scheduled for some time next week.

Mike Lamont

The LHC Restart in the news

CERN's communication teams also worked alongside the LHC operators last weekend, communicating events as they happened via a blog and on the social media, as well as filming events and producing a webcast. The LHC was an international news highlight, generating more than 4000 online press clippings on Sunday, 5 April alone.

Not only was the number of press clippings significantly higher than average, but the information also reached more major print media. The television stations also covered the event on their news channels and numerous national channels. We were able to identify no fewer than 555 retransmissions via Eurovision of the images broadcast by CERN. The images were also broadcast by other large press agencies.



Top: Number of online press clippings during recent months. Bottom: Number of television retransmissions via Eurovision of the images broadcast by CERN.

TOTEM: DISCOVERIES MAY GO "FORWARD" AT THE LHC

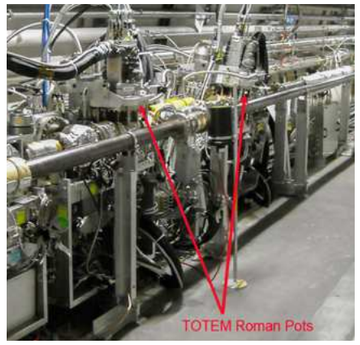
After two very intense years of activity during which the TOTEM apparatus has gone through an extensive upgrade programme, the collaboration is now ready to explore the new territories in forward physics that will open at 13 TeV.

The TOTEM experimental apparatus that will operate during Run 2 of the LHC will be significantly better than before: the Roman Pot detectors have been re-configured to resolve pile-up and prepared for the addition in the near future of high-precision time-of-flight detectors. In addition, their impedance characteristics have been significantly improved to allow the beam to be approached safely at higher intensities. Finally, following up on the Memorandum of Understanding signed in 2014 by TOTEM and CMS, the two experiments have worked on upgrading their data acquisition and read-out systems and building a common trigger.

In Run 1, the LHC operators performed dedicated runs with special optics to produce large beam sizes and smaller angular spread at the interaction points to allow TOTEM to probe the very small angle scattering regime. Thanks to the special runs in Run 2, TOTEM physicists will further investigate the interactions between the LHC protons that result exclusively in a modification of their direction of propagation (elastic scattering), and will precisely measure the total cross-section at the new LHC energy.

Besides the elastic scattering, TOTEM is also studying more complex interaction processes, known as "Pomeron-Pomeron interactions". The new experimental apparatus makes it possible for TOTEM/CMS to be very flexible and perform measurements at a wide range of beam interaction scenarios both in special runs and standard LHC fills, up to full luminosity (β*values from 0.5m to ~ 2500m).

The upgraded instrumentation will provide TOTEM/CMS teams with an improved capability to tag protons in the very forward region (particles travelling at small angles with respect to the beam axis) and study the associated particle production at central rapidities (particles travelling at large angles with respect to the beam axis). During Run 2, for the first time, the collaboration will perform these studies over the complete invariant mass range up to 1 TeV, which represents a potential for discovery of new physics beyond the Standard Model by searching for missing energy events and new particle production. In addition, the improved capability to tag and measure produced masses in the low-energy (several GeV) region opens up unique opportunities for discovering new QCD bound states.
Totem is fully ready for the restart of the LHC to give even more interesting results.



One vertical TOTEM Roman Pot and a tilted one, in the LHC tunnel. The rotation of the Roman Pots was one of the operations performed by the TOTEM collaboration during the LS1 upgrade programme.

TOTEM Collaboration

UPCYCLING CERN EXHIBITIONS

Summer is coming - and with it, a new Microcosm exhibition showcasing CERN. But while the new exhibit is preparing to enchant visitors, many have been asking about the site's former content. Will it simply be out with the old and in with the new? Not as such!

The plasma ball from Microcosm is now on display at the LHCb site.

As Microcosm's new content is moving in, its old content is moving up. From LHCb to IdeaSquare, former Microcosm displays and objects are being installed across the CERN site. "Microcosm featured many elements that were well suited to life outside of the exhibition," says Emma Sanders, Microcosm project leader in the EDU group. "We didn't want this popular content to go to waste, and so set out to find them new homes across CERN."

The LHCb experiment has received a number of Microcosm favourites, including the Rutherford experiment, the cosmic ray display and the Thomson experiment. "We're planning to develop the LHCb visitor space, rearranging our displays and even creating a small cinema in our former control centre," says Bolek Pietrzyk from LHCb. "Not only will we incorporate the Microcosm displays and exhibits, we'll also be recycling some of its 'hardware'. The Microcosm cinema seats, for example, will become the LHCb cinema seats."

Over at S'Cool Lab, items from the Microcosm weak force display have already been put to work. "I am using these slightly radioactive everyday objects with the iPadPix prototype, a pixel detector and iPad combination that visualises radioactivity in real time," says Media Lab's Oliver Keller. "The idea is to use them and the iPadPix in hands-on S'Cool Lab workshops on radioactivity."

IdeaSquare will be displaying information panels from Microcosm, which explain the basics of each of the four LHC detectors. "We are planning to install them on the wall of one of our corridors in the newly renovated building 3179," says IdeaSquare's Harri Toivonen. "This building hosts detector development R&D projects as well as a master's-level student programme and related events. The panels will not only provide basic information about the detectors for VIP visitors and student programme participants, they will also serve to remind us why we (IdeaSquare) exist."

A CERN Guide (left) explains the Thomson experiment (now at the LHCb site) at the launch of Microcosm's "What are we made of?" exhibition in the year 2000.

So to those of you who were worried about the fate of yesteryear's Microcosm, rest assured! Its content has gone on to inspire visitors across CERN.

Katarina Anthony

Computer Security

YOUR PRIVACY AT CERN MATTERS

Congrats to all those who spotted that our last contribution to the *CERN Bulletin* ("CERN Secure Password Competition") was an April Fools' Day hoax. Of course, there is no review and no jury and there won't be any competition. Consequently, we are sorry to say that we cannot announce any winners. The extension of the password history rule and the initiative of finding password duplicates are absolute nonsense too.

In fact, the Computer Security team, just like the CERN Account Management service, the Single Sign-On team and the ServiceDesk, does not know and has no need to know your password. Passwords are actually salted and hashed using the SHA256 cryptographic hash function. Thus, there is no literal password database and no way that anyone apart from you can know your password – unless you have given it away intentionally or inadvertently…

Remember, your password is yours and only yours, so please do not share it with anyone. Also, beware of "phishing" emails trying to convince you to hand over your password. Nobody legitimate will ever ask you for your password: neither us, nor the ServiceDesk, nor your supervisor. Not Facebook, Google, Amazon, your bank, any other Internet service. Never type your CERN password into webpages that do not look like the CERN single sign-on portal (we do our best to have all authentication done there!). Check that the webpage's address starts with "https://" and is part of the "cern.ch" domain (the authentication portal is accessible via **https://login.cern.ch**).

In the event that we do need to access your account, mailbox or private data repositories like the "My Documents" folder on DFS (distributed file system) or the "~/private" folder on AFS (Andrew file system), strict procedures apply. For example, if your summer student is on a prolonged holiday in the Amazon, not reachable by phone or e-mail, and you as the supervisor need that one document stored in the student's private mailbox, the procedure for getting that document is governed by CERN's policy on "Third party access to users' accounts and data". Be prepared to provide exact information. The Computer Security Officer will consider and, if appropriate, approve your request to access the document. Of course, in the interests of full transparency, the initial document owner will be notified, so he or she can object in retrospect. If you need full, unlimited access, however, this would require the additional written consent of the Director-General and would also involve the CERN Legal Service and the IT department head.

For further information, questions or help, check: **https://security.web.cern.ch**
or contact us at
Computer.Security@cern.ch

Do you want to learn more about computer security incidents and issues at CERN? Follow our Monthly Report:
https://cern.ch/security/reports/fr/monthly-reports.shtml

Stefan Lueders, Computer Security Team

Official news

NEW LAW ON SWISS NATIONALITY

CERN has recently been informed by the Swiss authorities that the Swiss Parliament adopted a new law on Swiss nationality in June 2014, which is due to enter into force in the autumn of 2016.

Under the new law, naturalisation can be granted only if the following conditions are met at the time of application:

1. the applicant must hold a settlement permit (*autorisation d'établissement or permis C*); and
2. the applicant must supply proof that he or she has resided in Switzerland for a total of ten years, including during three of the five years preceding the application (see Article 9 below).

For the purposes of calculating the length of residence in Switzerland, any period of residence as a holder of a residence or settlement permit (*autorisation de séjour* or *autorisation d'établissement*), a temporary admission document (*admission provisoire*), or a legitimation card (*carte de légitimation*) issued by the DFAE will be taken into account (see Article 33 below).

Whereas, at present, holders of a legitimation card issued by the DFAE or a Ci permit are entitled to apply for naturalisation, in future only holders of a settlement permit (*permis C*) will be able to do so. We remind you that legitimation cards issued by the DFAE and Ci permits are not deemed to be equivalent to a settlement permit (*permis C*).

Once the new law has entered into force, holders of a legitimation card issued by the DFAE or a Ci permit will no longer be entitled to apply for Swiss nationality. However, they will be able to apply for naturalisation once they have ceased to be employed by an international organisation, provided that they meet the applicable formal conditions (see Article 9 below).

We remind you that the granting of Swiss nationality is not one of the privileges covered by the headquarters agreements concluded between the Swiss Federal Council and intergovernmental organisations established in Switzerland.

The legitimation card issued by the DFAE does not give its holder any particular rights with respect to continued residence in Switzerland upon termination of his or her official functions. However, for many years the Swiss authorities have followed a practice facilitating the continued residence in Switzerland of international civil servants and their family members in this situation, allowing them to be granted a residence permit or a settlement permit (B or C permit) in certain cases.

Extract from the law on Swiss nationality

Art. 9 - Formal conditions

1. The Confederation grants authorisation for naturalisation only if the following conditions are met at the time of application:

a. the applicant must hold a settlement permit (*autorisation d'établissement*);
b. the applicant must supply proof that he or she has resided in Switzerland for a total of ten years, including during three of the five years preceding the application.

2. For the purposes of calculating the duration of residence under paragraph 1.b above, the time that the applicant has spent in Switzerland between the ages of eight and 18 is counted double. However, the actual period of residence must be at least six years.

Art. 33 - Residence

1. For the purposes of calculating the length of residence in Switzerland, any period of residence as a holder of one of the following documents is taken into account:

a. residence permit (*autorisation de séjour*) or settlement permit (*autorisation d'établissement*);
b. temporary admission document (*admission provisoire*) [half of the period of residence is taken into account]; or
c. a legitimation card (*carte de légitimation*) issued by the Federal Department of Foreign Affairs or a similar residence permit.

2. If the person concerned leaves Switzerland for a short period with the intention of returning, the period of residence is deemed to be continuous.

3. If the person concerned declares his or her departure from Switzerland to the relevant authorities or actually resides outside Switzerland for more than six months, the period of residence is deemed to have terminated on the date of departure.

INTEGRITY AT CERN – CONFLICT OF INTEREST POLICY

In 2014, a working group was established to develop a policy on conflicts of interest at CERN and to review the related obligations under Article S I.3.13 of the Staff Rules and Regulations. The group was composed of the Director for Administration and General Infrastructure, the heads of the Human Resources Department, the Internal Audit and the Legal Service, and other representatives from these services.

In March 2015, the Director-General approved the working group's recommendation to adopt a global conflict of interest prevention and management policy that is based on established best practices, that further implements CERN's core value of integrity, and that, like the CERN Code of Conduct, applies to all CERN contributors.

The Conflict of Interest Policy, together with implementation guidelines, was presented to the Enlarged Directorate in April and approved by the Director-General for entry into force on **10 April 2015**. It has been integrated with the existing Anti-Fraud Policy (introduced on 1 January 2013) in a single document, "Integrity at CERN", which is available at: **https://cds.cern.ch/record/2007473**.

As conflicts of interest and fraud could compromise the accomplishment of the Organization's objectives and undermine its functioning, credibility and reputation, as well as that of its personnel, CERN is committed to their prevention and management. In order to raise awareness and prevent conflict of interest situations in the workplace, presentations on this subject will be made to the management teams in all CERN departments from April to June.

All CERN contributors have a key role to play in the prevention and management of conflicts of interest. To ensure that the best interests of CERN are served, and to avoid possible suspicions of bias and partiality in performing their professional duties, CERN contributors are required to recognise situations that could give rise to a conflict of interest or the perception of the same. Where it is impossible to avoid such a situation, for example due to the nature of their functions, or if in doubt, CERN contributors should promptly disclose to the Organization that they have, or may have, a conflict of interest. The implementation guidelines will assist CERN contributors in understanding and fulfilling this important obligation.

Department Head Office
HR Department

ADMINISTRATIVE CIRCULAR NO. 2 (REV. 7) - RECRUITMENT, APPOINTMENT AND POSSIBLE DEVELOPMENTS REGARDING THE CONTRACTUAL POSITION OF STAFF MEMBERS

Administrative Circular No. 2 (Rev. 7), entitled "Recruitment, appointment and possible developments regarding the contractual position of staff members", approved by the Director-General following discussion at the Standing Concertation Committee meeting held on 17 February 2015 is available via the following link: http://cern.ch/go/6phs.

This revised circular cancels and replaces Administrative Circular No. 2 (Rev. 6), entitled "Recruitment, appointment and possible developments regarding the contractual position of staff members" and dated January 2015.

The circular was revised in order to implement the amendment to Article R II 1.17 of the Staff Regulations, which introduces the possibility of extending limited-duration (LD) contracts up to a maximum total duration of eight years from the previous duration of five years.

The award of indefinite contracts will continue to be subject to the outcome of a competitive process.

Department Head Office
HR Department

Take note

CERN ACCELERATOR SCHOOL: REGISTRATION OPEN FOR ADVANCED ACCELERATOR PHYSICS COURSE

Registration is now open for the CERN Accelerator School's Advanced Accelerator Physics course to be held in Warsaw, Poland from 27 September to 9 October 2015.

The course will be of interest to physicists and engineers who wish to extend their knowledge of accelerator physics. The programme offers core lectures on accelerator physics in the mornings and a practical course with hands-on tuition in the afternoons.

Further information can be found at:

- **http://cas.web.cern.ch/cas/Poland2015/Warsaw-advert.html**
- **http://indico.cern.ch/event/361988/**

RESTAURANT CLOSURES DURING HOLIDAY PERIOD

- **CERN restaurant opening times on Friday 1 May:** Restaurant No. 1 will be opened from 7.00 a.m. to 10.00 p.m. Restaurants No. 2 and No. 3 will be closed.
- **CERN restaurant opening times during the Ascension week-end:** Restaurant No. 1 will be open from 7.00 a.m. to 10.00 p.m. on Thursday, 14 and Friday 15 May. Restaurant No. 2 will be closed on Thursday, 14 May and open on Friday, 15 May until 3.30 p.m. (no table service). Restaurant No. 3 will be closed.
- **CERN restaurant opening times on Whit Monday, 25 May:** Restaurant No. 1 will be open from 7.00 a.m. to 10.00 p.m. Restaurants No. 2 and No. 3 will be closed.

2015 EUROPEAN SCHOOL OF HIGH-ENERGY PHYSICS

Dear colleagues,

I would like to draw your attention to the 2015 European School of High-Energy Physics. Details can be found at:

http://physicschool.web.cern.ch/PhysicSchool/ESHEP/ESHEP2015/default.html

The School will be held in Bulgaria from 2-15 September 2015. PLEASE NOTE THAT THE **DEADLINE FOR APPLICATIONS IS 8 May 2015**

The lectures will cover a broad range of HEP topics at a level suitable for students working towards a PhD in experimental particle physics.

Note that, as indicated on the website, one or two students from developing countries may be considered for the award of financial support.

Nick Ellis
(On behalf of the Organising Committee)

PRÉVESSIN SITE: PEDESTRIAN AND CYCLE ENTRANCE

The entrance for pedestrians and cyclists on *Chemin du Moulin des Ponts*, in Prévessin, will be re-opened:

- from 7 April to 30 October 2015,
- from 7.00 a.m. to 9.00 a.m. and from 5.00 p.m. to 7.00 p.m. on working days (Monday to Friday).

IMPORTANT: all users must show their access cards to the security guard as a matter of course when passing through the gates, both on entering and leaving the site.

THE PORT IS LOOKING FOR YOUR INPUT

Look at the clock: it's 2 a.m. Look at the cup: out of coffee. Look at the electronics on the table: sort of working. Go back to the computer: code seems to be running fine. Good, time for more coffee. The hammock in the corner creaks a little, someone else still burning the midnight oil, probably needing coffee too.

THE Port
unite innovators · impact future · act today

Two days later and we had a sort-of working prototype of a desktop cosmic ray detector. Others had built an electronic suit for use by mine detection dogs, an inflatable fridge for vaccines, a terrain-mapping tool for refugee camps, demarking tools for conflict zones and an obfuscated database for sensitive information. 60+ enthusiastic and satisfied participants came together for three exciting and extremely productive days for THE Port hackathon last October, tackling humanitarian problems with a technical bent in collaboration with a variety of NGOs.

After such success, we are planning to run a second event this autumn, from 2-4 October at two locations: IdeaSquare at CERN, where we will focus on hardware-related humanitarian topics, and Campus Biotech, where we will focus on health-related topics as well as information and communications technology. We are on the hunt for new topics and ideas to pass on to our participants this year and we'd like your input! Ideas for topics can come f rom NGOs, participants or anyone else with an interesting suggestion. Know of a problem facing the world, no matter how big or small, or have an idea for something that could help others? Contact us at **ideas@theport.ch** - we'd love to hear all about it!

For more information, please see **http://www.theport.ch**.

CALIBRATION OF "BABYLINE" RP INSTRUMENTS

If you have old RP instrumentation of the "Babyline" type, as shown in the photo, please contact the Radiation Protection Group (Joffrey Germa, 73171) to have the instrument checked and calibrated. Thank you.

Radiation Protection Group

DIVERSITY IN ACTION WORKSHOP | 5 MAY - 8:30 A.M. - 12 P.M. | TECHNOPARC BUSINESS CENTRE

Get an insight into diversity, develop greater sensitivity to differences, acquire new tools to recognise and overcome unconscious biases.

Diversity in Action workshop
5th edition in English

Tuesday, 5 May 2015
8:30 a.m. - 12 p.m.

Technoparc Business Centre – Saint-Genis-Pouilly

Registration and more information on the workshop:
http://cern.ch/diversity/in-action

CERN Diversity Office

FORUM: ACCELERATING RESPECT @ CERN | 5 MAY - 2 P.M. | COUNCIL CHAMBER

Forum for discussion: Accelerating respect @ CERN - What does this mean in our daily working lives?

Tuesday, 5 May at 2pm | Council Chamber

Accelerating respect @ CERN

Discussion forum: What does this mean in our daily working lives?

Join our forum for discussion on the topic of "Respect in the workplace" where Alan Richter will be leading a discussion on the relationship between respect and trust, including some recent research on trust, and exploring the role of unconscious bias, how respect is differently interpreted across cultures, and the connection between respect, listening, and the appreciative inquiry process.

Alan Richter is the president of *QED Consulting*, a 26-year-old company based in New York. He has consulted to organisations in the areas of leadership, values, culture and change and is a recognised pioneer in global diversity and international ethics. He has worked with CERN, NASA, the UN and many global companies and leading universities around the world. He has a Ph.D. in Philosophy from London University, and a Master's degree from the University of Cape Town.

* Coffee and tea will be served after the event *

The discussion forum will be held in English with simultaneous interpretation into French.
No registration required.
No webcast.

Training

LANGUAGE TRAINING

General & Professional French courses
The next General & Professional French course will start on 4 May. These collective courses aim to bring participants who have at least level A1 to higher levels (up to C2).

The workload of each course is 60 hours and consists of a combination of face-to-face sessions (40 hours) with personal work (20 hours) following a specially designed programme.

A final progress test takes place at the end of the term.

If you have not followed a French course in January please sign up for a placement test!

French courses for beginners
The aim of this course is to give some basic skills to beginners in order to be able to communicate in simple daily life situations in both social and professional life. These courses can start at any time during the year, as soon as a group of beginners has been identified.

Participants can apply for a semi-intensive (10-week courses with 6 hours of classes per week) course and choose between different schedules (morning-lunch time – late afternoon).

If you have doubts regarding your level of French - consult the "European levels – Self-Assessment Grid" that will give you an idea at what level you will be placed.

French Oral Expression
These collective courses aim to bring participants with a good level of French to a higher level of oral expression in a professional context. The next Oral Expression course will start on 4 May.

The workload of the course is 40 hours and consists of a combination of face-to-face sessions (30 hours) with personal work (10 hours) following a specially designed programme.

If you have not followed a French course in January please sign up for a placement test!

French Writing Course
These collective courses aim to bring participants with a good level of French to a higher level of written expression.

The workload of the course is 40 hours and consists of a combination of face-to-face sessions (30 hours) with personal work (10 hours) following a specially designed programme.

If you have not followed a French course in January please sign up for a placement test!

Cours d'anglais - général & professionnel
Les prochains cours général & professionnel débuteront le 4 mai. L'objectif principal de ces cours collectifs est de permettre aux participants d'un niveau A1 de progresser pour atteindre un niveau supérieur pouvant aller jusqu'à C2.

Nous vous prions de remplir aussi une demande de formation pour un test de placement – ce test est obligatoire, même si vous avez déjà suivi des cours de langue au CERN.

Cours d'expression – anglais
Le prochain cours d'expression orale débutera le 4 mai. Ce cours s'adresse à un publique ayant un bon niveau en anglais.

Cours d'expression écrite
Nous proposons deux cours d'expression écrite :

- **Administrative**
- **Technical**

Si vous souhaitez suivre un de ces cours, merci de bien vouloir remplir une demande de formation pour le cours et pour le test de placement.

For registration and further information about the courses or the language tandem programme, please contact Kerstin Fuhrmeister (70896, **language.training@cern.ch***).*

PERSONAL DEVELOPMENT AND COMMUNICATION COURSES

Please find below the list of courses in the field of Personal Development and Communication which are scheduled before the end of July.

Personal Development and Communication, in English

	Next Session	Duration	Availability
Communicating to convince	15-16 April	2 days	2 places
Communication: Science or Art? (Workshop 1)	28 April 18 May 26 May 27 May	1 day	4 places 10 places 12 places 11 places
Balancing performance and pressure	4, 5 May	2 days	6 places
Personal Awareness & Impact	6-8 May 10-12 June	3 days	3 places 6 places
Personal Awareness & Impact - Follow-up	11-12 May	2 days	2 places
Handling difficult conversations	12-13 June + 04 September	3 days	3 places

In addition, the following courses are scheduled in French:

Développement personnel et communication, en français

	Prochaine session	Durée	Disponibilités
Savoir gérer les discussions difficiles	23-24 mars + 4 mai	3 jours	3 places
Communiquer pour convaincre	13-14 avril	2 jours	2 places
Équilibre entre performance et pression (avant : « Gestion du stress »)	27-28 avril	2 jours	6 places
Communication : science ou art (atelier 1)	28 avril 18 mai 26 mai 27 mai	1 jour	4 places 10 places 10 places 12 places
Négociation efficace	19-20 mai	2 jours	11 places
Techniques d'exposé et de présentation	10-11 juin + 6 juillet	3 jours	5 places
Les enjeux de la voix et du comportement non verbal dans la communication orale	29, 30 juin	1 jour ½	6 places
Animer ou participer à une réunion de travail	7-9 juillet	3 jours	12 places

For more details about a course and to register, please go to **http://cern.ch/go/GxG8**.

If you need a course which is not in the catalogue, please contact your supervisor, your Departmental Training Officer or HR-LD at **Communication.Training@cern.ch**.

PLACES AVAILABLE - TECHNICAL MANAGEMENT COURSES (UP TO THE END OF JULY)

Please find below the courses in the field of technical management scheduled up to the end of July and which have places available.

Upcoming Technical Management courses (in chronological order)

		Language	Next Session	Duration	Availability
New	Procurement of supplies at CERN up to 200 000 CHF – e-learning	English	n/a	1 hour	n/a
New	Achats de fournitures au CERN jusqu'à 200 000 CHF – e-learning	français	n/a	1 hour	n/a
	Dealing with Media questions!	English	6 May	1 day	3 places
	Dealing with Media questions!	English	7 May	1 day	4 places
	Introduction to knowledge transfer tools	English	21 May	4 hours	24 places
	PMI Project Management	English	26/27 May + 18/19 June	4 days	8 places
	Quality Assurance	English	15-16 June	2 days	9 places
	Selecting the right person for CERN	English	4 June	1 day	3 places
	Project Engineering	English	29-30 June	2 days	9 places
New	Building up a good Marie Sklodowska-Curie project and writing a successful proposal	English	1-2 July	2 days	20 places
New	Selecting the right person for CERN	English	9 July	1 day	3 places

For more details about a course and to register, please go to the **http://cern.ch/go/GxG8**.

If you need a course that is not in the catalogue, please contact your supervisor, your Departmental Training Officer or the HR-LD group at **Communication.Training@cern.ch**.

Seminars

FRIDAY APRIL 17, 2015

11:00 **Detector Seminar: Upgrade of the ALICE Inner Tracking System** Salle Anderson
14:00 **CERN Computing Seminar: ESA's Gaia Satellite and data processing status** IT Amphitheatre

TUESDAY APRIL 21, 2015

11:00 **LHC Seminar on ATLAS results**
Main Auditorium

MONDAY APRIL 27, 2015

09:00 **BCD-ISHEP Master School: 1st BCD International School On High Energy Physics**

TUESDAY APRIL 28, 2015

11:00 **LHC Seminar on ALICE results**
Main Auditorium