

International Particle
Physics Outreach Group

14th IPPOG Meeting – CERN

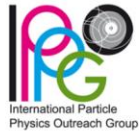
News from the Coordination

H.P. Beck, IPPOG Chair, Universität Bern

S. Goldfarb, IPPOG Chair, University of Melbourne

B. Gulejova, Scientific Secretary, CERN

Lisbon (13th IPPOG Meeting)



REPORT from 13th IPPOG meeting CERN, 20-22 April 2017 (by Barbra Bruant Gulejova)

PARTICIPANTS

COORDINATION TEAM (CT):

Hans-Peter Beck (University of Bern), Steven Goldfarb (University of Melbourne), Barbra Bruant Gulejova (CERN)

MEMBERS REPRESENTATIVES:

Pedro Abreu (Portugal), Nicolas Arnaud (France), Marge Bardeen (USA), Pedro Melo (Slovakia), Farid Ould-Saada (Norway), Catia Peduto (Italy), Dirk Ryckebusch (Belgium), Stoicea (Romania), Charles Timmermans (Netherlands)

CANDIDATE MEMBERS REPRESENTATIVES:

Andrej Gorisek (Slovenia), Despina Hatzifotiadou (ALICE), Natascha Kramme (Germany), Rasmus Mackeprang (Denmark), Jiri Rames (Czech Republik), Kate Shaw (ATLAS), Jon-Ivar Skallerud (Ireland), Peter Watkins (UK)

ASSOCIATES:

Angelos Alexopoulos (CERN), Katarina Anthony (ATLAS), Uta Bilow (TU Dresden), Beatrice Bressan (TO-TEM), Kenneth William Cecire (University of Notre Dame, US), Catarina Espirito Santo (LIP), Yiota Foka (GSI/FAIR), Christine Kourkoumelis (University of Athens), Marzena Lapka (CMS), Celso Martinez Rivero (IFCA, Spain), Achintya Rao (CMS)

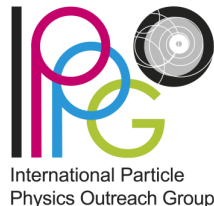
WEBPAGE

<https://indico.cern.ch/event/622184/>

CONTENTS

1. GENERAL IPPOG ISSUES.....	3
1.1. WORD from LIP MANAGEMENT.....	3
1.2. IPPOG NEWS.....	3
1.3. IPPOG INTERNAL AFFAIRS.....	4
1.4. IPPOG PUBLIC WEBPAGE and EXTERNAL COMMUNICATION.....	4
2. IPPOG STORIES / IMPACT.....	
2.1. AN INSIDE VIEW FROM IPPOG.....	
2.1.1. Advantages of ALICE's membership in IPPOG.....	
2.1.2. How USA/Fermilab/Quarknet benefits from IPPOG.....	
2.2. INSPIRING SUCCESS STORIES.....	
2.2.1. Event "Nuit des Ombres".....	
2.2.2. Impact of ALICE on the general public.....	
2.3. IMPACT OF SCIENCE ON SOCIETY.....	9
2.3.1. IMPACT OF SCIENCE ON SOCIETY.....	9
2.3.2. IMPACT OF SCIENCE ON SOCIETY.....	9
2.4. IMPACT OF SCIENCE ON SOCIETY.....	10
2.5. IMPACT OF SCIENCE ON SOCIETY.....	10
2.6. IMPACT OF SCIENCE ON SOCIETY.....	12
2.7. IMPACT OF SCIENCE ON SOCIETY.....	12
2.8. IMPACT OF SCIENCE ON SOCIETY.....	13
2.9. IMPACT OF SCIENCE ON SOCIETY.....	14
2.10. IMPACT OF SCIENCE ON SOCIETY.....	16
2.11. IMPACT OF SCIENCE ON SOCIETY.....	17
2.12. IMPACT OF SCIENCE ON SOCIETY.....	21
2.13. IMPACT OF SCIENCE ON SOCIETY.....	22
2.14. IMPACT OF SCIENCE ON SOCIETY.....	25
2.15. IMPACT OF SCIENCE ON SOCIETY.....	26
2.16. IMPACT OF SCIENCE ON SOCIETY.....	27
2.17. IMPACT OF SCIENCE ON SOCIETY.....	28
2.18. IMPACT OF SCIENCE ON SOCIETY.....	28
2.19. IMPACT OF SCIENCE ON SOCIETY.....	28
2.20. IMPACT OF SCIENCE ON SOCIETY.....	29

Complete Report
<https://indico.cern.ch/event/622184>



European Particle Physics Outreach Group

Minutes of the First Meeting of the Network on Public Relations and explaining Particle Physics to CERN Member States

19/09/97

Present: See [Appendix 1](#)

(1) INTRODUCTION

The Director General, Chris Llewellyn Smith, welcomed the participants and gave a brief introduction to the network. He stated that the particle physics community has a moral obligation to inform the public on its activities essential in view of the public's influence on the politicians who provide the funding for research. He stressed among countries in view of the need to optimise the use of resources. He illustrated this by pointing out that NASA invests in public information systems (e.g. 23 people on Hubble Space Telescope public communications) but is selective. It was important to decide: (1) whom are we trying to reach and (2) what are we trying to achieve.

As to who should be carrying out public communications, he considered that it had to be primarily in the Member States given:

(a) that they are based in the Member States, and also larger in number (e.g. 200 research physicists at CERN),

(b) reaching the general public certainly in their own Member State languages and in a range of media.

He pointed out how important it was to have a coordinating role but stressed that this was a particle physics activity. He reviewed potential areas of activity including, ensuring graphics and text are transferred from national pamphlets to CERN, the PPARC pamphlet on LHC, the Vienna virtual reality project, LHC PR on CD-Rom, sharing experience with supporting material for talks.

He emphasized the importance of being selective on future actions, and collective decision making, pointing out that good long range investment while teachers can amplify the effect. He indicated that if good projects were identified appropriate funding. He concluded by announcing that Frank Close has agreed to act as the coordinator of the Outreach Division for one year from December 1, 1997.

Appendix 1: Participants

Austria
Christian Gottfried
Meinhard Regler, RECFA Representative

Belgium
Catherine de Cleren, Univ. Brussels

Czech Republic
Jiri Rames, Institute of Physics, Prague

Finland
Riitta Rinta-Filppula, CERN

France
Geneviève Edelhert, IN2P3, Paris

Germany
Gregor Herten, Univ. Freiburg

Greece
Christine Kourkoumelis, Univ. Athens

Hungary
G. Pocsik, Eotvos Lorand University, Budapest

Italy
Alessandro Pascolini, Univ. Padova

Netherlands
Bertus Kooijman, DESY
Luis M. Labarga, DESY

Poland
Janusz Adamowski, Institute of Nuclear Physics
Warsaw

Portugal
Maria Abreu, CERN

Slovak Republic
Pavol Murin, Inst. of Exp. Physics, Slovak Academy of Sciences

Spain
Antonio Ferrer, Univ. of Valencia

Sweden
Erik Johansson, Univ. of Stockholm

Switzerland
Claude Joseph, Univ. of Lausanne

United Kingdom
Christine Sutton, Univ. Oxford

DESY
Petra Folkerts

CERN
John Ferguson
Frank Close
Maurice Jacob
Peggie Rimmer
Neil Calder
Mick Draper

Happy 20th Birthday, IPPOG!

IPPOG In The News

Expresso ÚLTIMAS OPINIÃO ECONOMIA EXPRESSO CURTO PODCASTS TRIBUNA 2:59 MULTIMÉDIA DOCUMENTOS

“Queremos evidência... toma lá ciência”, gritaram nas ruas de Lisboa

22.04.2017 às 19h36



Expresso, Lisbon
22 apr 2017

EXPRESSO

Mais de 700 pessoas, entre as quais o ministro Manuel Heitor e o comissário europeu Carlos Moedas, manifestaram-se este sábado, em Lisboa, em defesa da ciência em Portugal e no mundo. Com palavras de ordem como a que dá título, a esta peça, lembraram que “os factos não tomam partido”.

IPPOG In The News

Fisica: ecco le iniziative dell'INFN rivolte agli studenti delle scuole superiori di tutta Italia

I ragazzi hanno l'opportunità di conoscere le ricerche di frontiera della fisica delle particelle confrontandosi con i loro coetanei all'estero

A cura di **Filomena Fotia** 20 settembre 2017 - 10:34

Like 518K



Attain News
2 July 2017

Sono numerose le iniziative cui collabora l'Istituto Nazionale di Fisica Nucleare (INFN) rivolte agli studenti delle scuole superiori di tutta Italia, in cui i ragazzi hanno l'opportunità di conoscere le ricerche di frontiera della fisica delle particelle confrontandosi con i loro coetanei all'estero.

Si incomincia con una novità assoluta il **14 novembre**: il **World Wide Data Day (W2D2)**, organizzato quest'anno per la prima volta dall'International Particle Physics Outreach Group (IPPOG), di cui l'INFN è uno

dei membri. Gli studenti imparano dai loro insegnanti ad analizzare i veri dati degli esperimenti del CERN e poi si collegheranno in una videoconferenza (in lingua inglese) per confrontare il risultato complessivo con gli altri gruppi di studenti del mondo, che in contemporanea hanno analizzato gli stessi dati. Requisito per la scuola è possedere una buona connessione internet e delle postazioni multimediali. Gli insegnanti interessati possono rivolgersi a Kenneth Cecire (Kenneth.W.Cecire.1@nd.edu), che fornirà loro tutte le informazioni utili per il corretto svolgimento della giornata W2D2.

Precision resistor, SMD



CHF 0.01

Buy now

Cosmic-ray Detector Awarded for Contribution to International Competition

University College School | 2 Jul 2017

EMAIL TO A FRIEND

TWEET THIS STORY

SHARE ON FACEBOOK

Eleven students from UCS Hampstead have won a cosmic-ray detector after reaching the top 30 entries in the Beamline for School's Competition 2017 (BL4S) established by CERN.



Meteo Web
20 sep 2017

The "Absolute Uncertainty" team (all 15 to 17 years old) consists of Michael Aarons, Aleksa Zizic, Noah Grodzinski, Chris Harley, Geno Racklin Asher, Avrami, Ben Ross, and Michael Kohn from UCS Hampstead, which successfully made it to the final round of the competition out of 185 teams from around the world.

One of the team, Michael Aarons (17 years) explained how they were encouraged to take part in the competition by their school's Physics department, "We are all physics enthusiasts, and were excited by the opportunity to run our own experiment. There aren't many opportunities to enter competitions and work in such large teams, and this really was a team effort." The team entered with a proposal to study the consequences of Van Allen Belt radiation on the efficiency of satellite mounted solar cells, for which they were shortlisted. Michael is keen to inspire other physics enthusiasts to enter next year, and has the following advice for future teams, "Go with your gut and don't look at what everyone else is doing. Don't be afraid to be innovative!"

The BL4S physics competition tasked entrants with designing a proposal to utilise a particle accelerator in an innovative fashion. Now entering its fourth year, CERN works with the International Particle Physics Outreach Group (IPPOG) to test the innovation, problem-solving and collaboration skills of teams, with the winners getting the opportunity to conduct an experiment for 10 days on-site at CERN in Geneva, Switzerland.

IPPOGers In The News



Nicolas Arnaud
Chevalier



The ***Ordre des Palmes académiques*** (*Order of Academic Palms*) is a national order of [France](#) for distinguished [academics](#) and figures in the world of [culture](#) and [education](#). Originally a decoration founded by [Emperor Napoléon](#) to honour eminent members of the [University of Paris](#), it was changed into its current form as an Order on 4 October 1955 by [President René Coty](#).^[1]

Current Membership

	Signing Organisation	Country/Lab/Experiment	Date signed
1	NIKHEF	Netherlands	22 Sep 2016
2	DESY for KET	Germany	23 Sep 2016
3	Physics Department of University of Oslo	Norway	21 Oct 2016
4	LIP	Portugal	1 Nov 2016
5	The Section for Elementary Particle and Astroparticle Physics of the Swedish Physical Society through the Swedish LHC Consortium	Sweden	1 Nov 2016
6	CHIPP	Switzerland	4 Nov 2016
7	Ministry of Education, Science, Research and Sport	Slovak Republic	15 Nov 2016
8	Institute of Atomic Physics	Romania	17 Nov 2016
9	Helsinki Institute of Physics	Finland	29 Nov 2016
10	FWO + F.R.S.-FNRS	Belgium	30 Nov 2016
11	CERN	CERN	19 Dec 2016
12	INFN	Italy	21 Dec 2016
13	CNRS/IN2P3	France	23 Dec 2016
14	The Henryk Niewodniczański Institute of Nuclear Physics Polish Academy of Sciences	Poland	29 Dec 2016
15	CoEPP	Australia	14 Feb 2017
16	The University of Notre Dame on behalf of QuarkNet	USA	14 Mar 2017

New Membership

IPPOG Collaboration

Addendum No. 6

13



INTERNATIONAL PARTICLE PHYSICS OUTREACH GROUP

Addendum No. 6

01 November 2017

to the

Memorandum of Understanding (MoU) for the International
Particle Physics Outreach Group (IPPOG) Collaboration

on

Participation of the ATLAS Collaboration

First Scientific
Collaboration to sign

Considering that:

IPPOG is a network of scientists, researchers, science educators, and communication specialists from across the globe, whose mission is to maximize the impact of education and outreach efforts related to particle physics and to stimulate the younger generation to pursue careers in science, technology, engineering and mathematics.

ATLAS is one of the four major experiments at the Large Hadron Collider (LHC) at CERN. It is a general-purpose particle physics experiment, run by an international collaboration, and designed to exploit the full discovery potential and the huge range of physics opportunities that the LHC provides.

IPPOG MEMBERSHIP

Done in 2 originals and signed by the undersigned authorised representatives:

For the ATLAS Collaboration

Karl Jakobs

Spokesperson

Date and Place: 01.11.2017, CERN

For the IPPOG Collaboration

Hans Peter Beck

IPPOG Chairperson

Date and Place: 01.11.2017 CERN

Steven Goldfarb

IPPOG Chairperson

Date and Place: 01.11.2017 CERN

01 November 2017

Page 1/4

Candidates

Candidate Membership expires **18 Dec 2018**

- Countries
 - Austria, Bulgaria, Czech Republic, Denmark, Greece, Ireland, Israel, Spain, South Africa, UK
- Scientific Collaborations
 - ALICE, CMS, LHCb, TOTEM
- Labs
 - DESY (as a lab)

Expressions of Interest

Brazil

- **Marcelo Gameiro Munhoz**, Universidade de São Paulo, Brazil, member of ALICE collaboration and member of Education Committee of the Brazilian Physics Society
- Ready to sign MoU and Addendum.

Belle II

- **Toru Iijima and Zdenek Dolezal** joined IPPOG meeting at CERN in November 2016.
- Ready to sign MoU and Addendum.

Turkey

- **Bilge Demirkos** is coordinating and running Masterclasses in Turkey, and is interested to make Turkey a Member in IPPOG.

GSI/FAIR

- **Yiota Foka** active in ALICE Masterclass program, and is interested to have GSI/FAIR join IPPOG.

New Representatives

BULGARIA



Atanas Ivanov Batinkov
Software engineer
European Organization for Nuclear Research CERN, Geneva, Switzerland
University of Sofia, Sofia, Bulgaria
Atanas.Batinkov@cern.ch

Atanas' interests, experience, and skills coincide highly effective in the domain of IT - starting from embedded software to parallel programming. Although his primary degree is in Computer Science and Technologies he believes that continued application of constantly evolving science drives the change in technology. Thus, accompanied by his curious nature and encouraged to follow his desire of exploring and developing in a real scientific environment, Atanas joined CERN as a DQM Engineers for the CMS experiment in 2012. Three years later he remained associated to the CMS experiment but took on a new adventure as a software engineer with the Level 1 muon Trigger group.

Atanas is currently pursuing his Master's degree in Nuclear Physics from the Faculty of Physics at the Sofia University in Bulgaria. He has proven track record as devoted multidisciplinary contributor for CERN, Atanas is currently contributing to the university's initiative. The main aim of each virtual science learning.



Stefan Piperov

New Representatives

SWITZERLAND



Katharina Müller
Senior Physicist
Physik-Institut, University of Zurich, Winterthurerstr. 190, 8057 Zurich,
Switzerland

kmueeller@physik.uzh.ch

More Information: <http://www.physik.uzh.ch/~kmueeller>

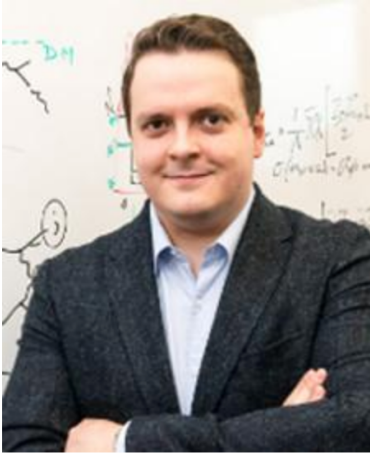
Katharina is a senior scientist at the University of Zurich working on the LHCb experiment at the Large Hadron Collider at CERN. She studied physics at the University of Zurich and received her PhD with a measurement of the proton structure function at the H1 experiment at the electron-proton collider HERA. Her current research interests are measurements with electroweak bosons or prompt photons as well as central exclusive production and diffraction with the LHCb experiment. All these processes probe the structure of the proton and are complementary to the measurements by the ATLAS and CMS experiments. Katharina teaches master and undergraduate courses at the University of Zurich and is advisor for physics students. Since 2015 she is also working for the Science Lab of the University of Zurich that offers courses for schools at the university in order to promote MINT (mathematics, informatics, natural sciences, and technics) areas in education.

Katharina takes an active part in several outreach activities at the University of Zurich, such as Scientifica, a scientific outreach event for the general public in Zurich, information days for high school students, visits of the laboratories of the institute as well as education days for teachers. She is involved in the organisation of the IPPOG masterclasses in Zurich and offers courses in physics at the Science Lab for school classes coming to the university – among them a course in particle physics. “I really enjoy working with young students, it is very motivating and gives immediate feedback.”

Katharina is Switzerland's representative to IPPOG since 2017.

New Representatives

UNITED KINGDOM



Darren Price
STFC Ernest Rutherford Fellow and Senior Research Fellow
School of Physics and Astronomy University of Manchester Oxford Road
Manchester M13 9PL, UK
Darren.Price@cern.ch

Darren Price is currently an STFC Ernest Rutherford Fellow in the experimental particle physics group at the University of Manchester.

Following a degree in Mathematics from the University of Cambridge, he started his career in particle physics research working on the SuperNEMO experiment in Manchester, and obtained his PhD from Lancaster University working on the ATLAS experiment.

After a post-doctoral fellowship at Indiana University, where he worked on both the ATLAS experiment at CERN and the DZero experiment at the Fermi National Accelerator Laboratory, Darren obtained an EU-funded Marie Curie fellowship which brought him back to Europe.

His research spans study of quantum chromodynamics and heavy flavour physics, Vector Boson Fusion, and searches for dark matter and other invisible phenomena at the LHC.

Darren is currently exploring how to maximise the re-interpretability of data from experimental searches for new phenomena at the LHC, both to enhance the future potential of the data and enable its use for scientific research by the public.

Darren is a UK STEM Ambassador, and regularly contributes to a wide range of public engagement activities such as hands-on masterclasses, museum exhibitions, lectures, interviews, teacher-training events, science fairs and festivals.

Darren has co-led the annual one-day Manchester Particle Physics Masterclass since 2013, which has a typical cohort of 200 school students.

Darren is an advocate for widening participation, engaging with minority groups and those with low science capital.

"Particle physics offers us a great opportunity to capture the public's imagination, encourage curiosity, share our vision that science is for everyone, and inspire and educate the next generation of scientists and engineers."

Darren became the UK's representative to IPPOG in 2017.

Thank You



Pete Watkins has been a very active member of IPPOG since ??? and continues to participate in several working groups and steering groups. His contributions have been crucial and greatly appreciated!

Thank You



Jiri Rames has been representing the Czech Republic since the very beginning of EPPOG and has made many important contributions. He will be replaced by **Vladimir Pleskac**.

Exhibits Working Group

Chair

Catia Peduto

Members

Barbora Gulejova, CERN, Panagiotis Charitos, CERN (FCC), Marge Bardeen, Fermilab, Celso Martinez, Spain, Pedro Abreu, Portugal, Christine Kourkouvelis, Greece, Beatrice Bressan, TOTEM, Natascha Hoermann, Austria, Panja Luukka, Finland, Angelos Alexopoulos, CMS, Nicolas Tracas, Greece



Mandate

“Gather best practice of exhibits from the IPPOG countries with all their useful information and put them in the IPPOG resources database.”

Global Cosmics Working Group

International Cosmic Day
INTERNATIONAL COSMIC DAY

HOME PHYSICS PROGRAM PARTICIPATE MAP PROJECTS PROCEEDINGS MEDIA FAQ

Find us on

Global Cosmic Ray Studies

Projects for High School Students

There are several projects around the world that address young people and teachers, to give them the opportunity to explore cosmic particles. These projects are presented below. For further information, please visit the websites.

FINLAND

CALLIO LAB
Workshop Center for 9th grade and 8.8.0

Callio Lab: Doing cosmic ray physics underground is something the young students are really interested in. The Centre for Underground Physics in Pyhäsalmi (CUPP) of Callio Lab, in Finland, has made it possible. The outreach program, established in 2010, is based on the cosmic ray experiment EMMA and particle physics. The emphasis is on the hands-on exercises with simple data and detectors. The workshops and theme days are well liked. The outreach is also taken out into the community by participating into annual town fair of Pyhäjärvi with general public lectures, and organizing theme weeks on physics topics together with science centre Tietomaa in Oulu. Website: Callio Lab

FRANCE

Sciences à l'École

Cosmos à l'École

Cosmos à l'École: In France, a collaboration started several years ago between the "Institut National de Physique Nucléaire et de Physique des Particules" (IN2P3) of the CNRS and "Sciences à l'École", a project from the French Education Ministry which is promoting science in high schools and higher education. Large cosmic ray detectors called "Cosmodétecteurs" are built in the Marseille IN2P3 laboratory (CPPM) and given to high school teachers selected

globalcosmics.org

Particles4U Competition

European Laboratory for Particle Physics



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International Particle Physics Outreach Group

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PARTICLES4U

HOME > THE IPPOG PARTICLES4U COMPETITION

The IPPOG Particles4U Competition



Particles4U

Particles4U is a competition for young students and teachers, sponsored by the European Physical Society (EPS), and organised by the International Particle Physics Outreach Group (IPPOG). We at IPPOG are scientists, communicators, and educators engaged in particle physics outreach around the world. But, sometimes, we need the help of experts, and that is where you come in...

Particles4U Competition

The Challenge

If you are a student or teacher in primary or secondary school with a passion for particle physics, then we have a challenge for you. Create an educational, fun, and inspiring tool showcasing how elementary particles are present in our everyday lives. This could be an **object, prototype, lesson plan, activity, game, experiment**, or even a **work of art**. Use your creativity! Just make sure to include an educational aspect - something that will get the message across that **science is a fundamental part of our lives**.

Eligible Participants

There are two categories: one for **primary level students (age 12 and under) and their teachers**, and one for **secondary level students (age 13 and up) and their teachers**. Individuals, groups, classrooms, and even groups of classrooms from anywhere in the world are welcome to participate. This includes aspiring artists, musicians, and writers, as well as math and science wizards. Your goal is to teach the rest of the world how particle physics is everywhere and how it affects our lives in many ways.

The Awards

The top two teams in each category will win:

- A visit from an IPPOG particle physicist, who will present the latest research in the field and answer your questions (in your local language whenever possible);
- A special gift from CERN and an award certificate for each individual, in recognition of their achievement;
- A genuine working particle detector for each winning classroom, for measuring cosmic ray muons.

How to Apply

Please complete the [application form](#) by **7 January 2018** including the following:

- A written description of your creative contribution, including its goals and intended audience;
- Images and/or Video which can help us to better understand its usage and capabilities;
- Any other supporting material that you think is relevant.

We look forward to seeing your creative ideas!

Contact Us

For any questions or help with your project, please contact the IPPOG team at ippog.info@cern.ch.

To be officially launched following the meeting

HOME

ABOUT

MEMBERS

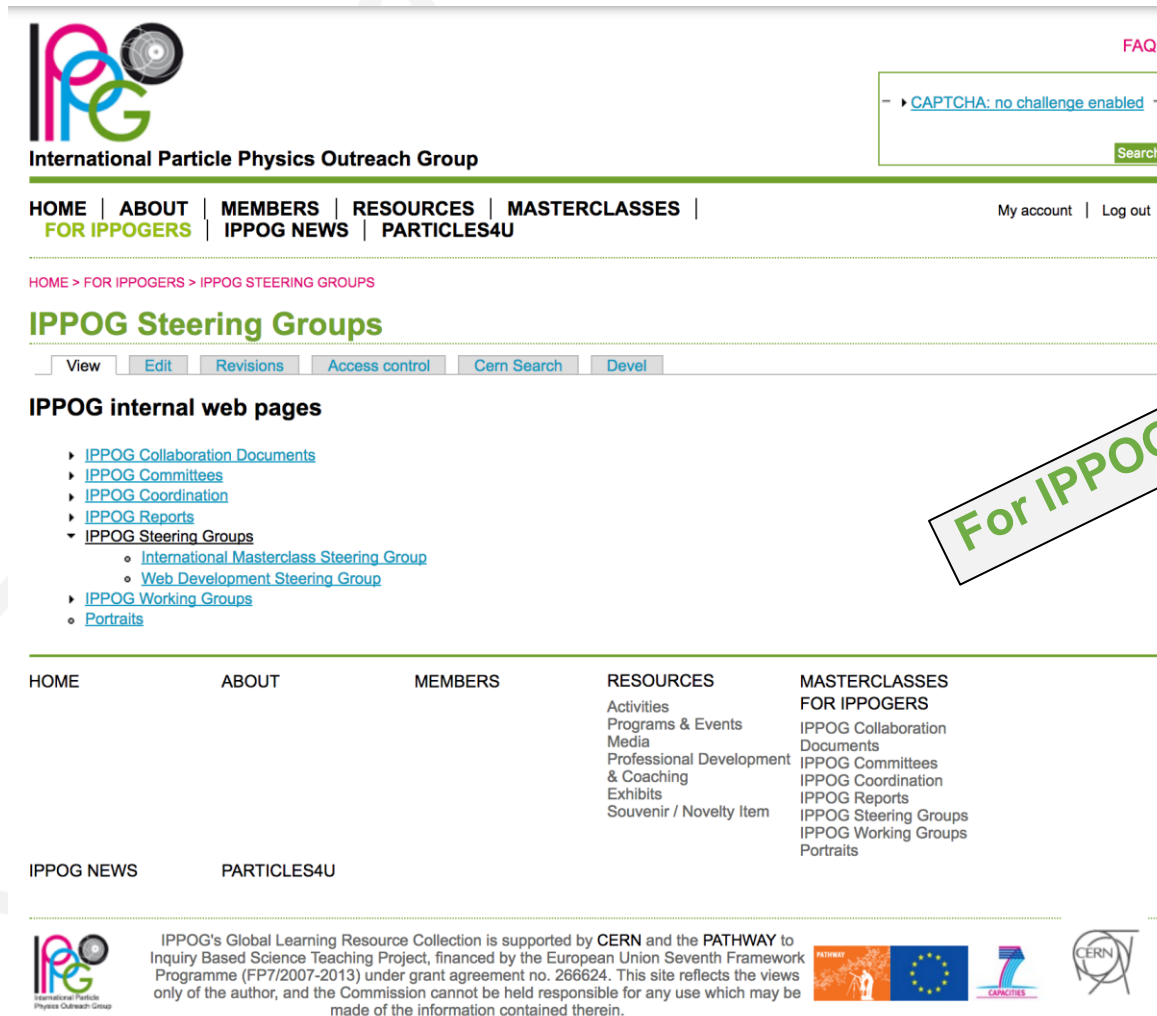
RESOURCES

Activities
Programs & Events
Media
Professional Development
& Coaching
Exhibits
Souvenir / Novelty Item

MASTERCLASSES

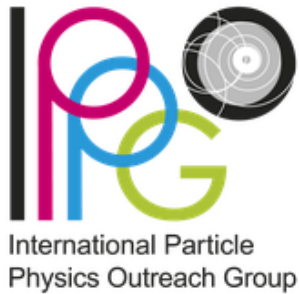
IPPOG NEWS
PARTICLES4U

Internal Web Pages



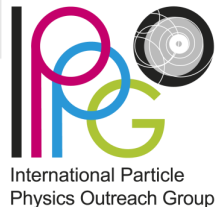
The screenshot displays the IPPOG website interface. At the top left is the IPPOG logo. To the right, there are links for 'FAQs' and a search box containing the text 'CAPTCHA: no challenge enabled' with a 'Search' button. Below the logo, the text 'International Particle Physics Outreach Group' is displayed. A navigation bar includes links for 'HOME', 'ABOUT', 'MEMBERS', 'RESOURCES', 'MASTERCLASSES', 'FOR IPOGERS', 'IPPOG NEWS', and 'PARTICLES4U'. On the right side of the navigation bar, there are links for 'My account' and 'Log out'. Below the navigation bar, the breadcrumb trail reads 'HOME > FOR IPOGERS > IPPOG STEERING GROUPS'. The main heading is 'IPPOG Steering Groups'. Below this heading, there are buttons for 'View', 'Edit', 'Revisions', 'Access control', 'Cern Search', and 'Devel'. The main content area is titled 'IPPOG internal web pages' and contains a list of links: 'IPPOG Collaboration Documents', 'IPPOG Committees', 'IPPOG Coordination', 'IPPOG Reports', 'IPPOG Steering Groups' (with sub-links for 'International Masterclass Steering Group' and 'Web Development Steering Group'), 'IPPOG Working Groups', and 'Portraits'. A large, tilted box with the text 'For IPOGERS' is overlaid on the right side of the page. At the bottom of the page, there is a footer section with a grid of links: 'HOME', 'ABOUT', 'MEMBERS', 'RESOURCES' (with sub-links: 'Activities', 'Programs & Events', 'Media', 'Professional Development & Coaching', 'Exhibits', 'Souvenir / Novelty Item'), 'MASTERCLASSES FOR IPOGERS' (with sub-links: 'IPPOG Collaboration Documents', 'IPPOG Committees', 'IPPOG Coordination', 'IPPOG Reports', 'IPPOG Steering Groups', 'IPPOG Working Groups', 'Portraits'), 'IPPOG NEWS', and 'PARTICLES4U'. Below the footer grid, there is a paragraph of text: 'IPPOG's Global Learning Resource Collection is supported by CERN and the PATHWAY to Inquiry Based Science Teaching Project, financed by the European Union Seventh Framework Programme (FP7/2007-2013) under grant agreement no. 286624. This site reflects the views only of the author, and the Commission cannot be held responsible for any use which may be made of the information contained therein.' To the right of this text are logos for 'PATHWAY', the European Union flag, 'CERN', and 'PARTICLES'.

Indico Categories




Now under Projects/IPPOG

Collaboration Meetings	37 events	➡
Collaboration Board	2 events	➡
Coordination Team	1 event	➡
Advisory Boards	1 event	➡
Working Groups	empty	➡
Steering Groups	empty	➡
Activities	1 event	➡



News Letters



International Particle Physics Outreach Group

FAQs

- > CAPTCHA: [no challenge enabled](#) -

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HOME > WELCOME TO IPPOG NEWS WEBSITE!

Welcome to IPPOG News website!

View Edit Revisions Access control Cern Search Devel

Get up-to-date information about the activities and plans of the IPPOG community by reading IPPOG News newsletters. [More!](#)

July 2017	 <p>IPPOG NEWSLETTER JULY 2017 Number 4 International Particle Physics Outreach Group</p>	IPPOG is alive also in summer! :)
November 2016	 <p>IPPOG NEWSLETTER NOVEMBER 2016 Number 3 International Particle Physics Outreach Group</p>	What happened in IPPOG in 2016?
February 2016	 <p>IPPOG NEWSLETTER FEBRUARY 2016 Number 2 International Particle Physics Outreach Group</p>	Learn about IPPOG highlights in this second number of newsletter!
September 2015	 <p>IPPOG NEWSLETTER SEPTEMBER 2015 Number 1 International Particle Physics Outreach Group</p>	Enjoy the first IPPOG newsletter from Autumn 2015!

IPPOG News

Communication

Needed: Social Media Coordinator

- Communication Strategy
- Policy for Supporting IPPOG Events, Communication
- Planning and Development of Content
- Coordination of announcements, sharing, etc.

The image displays two screenshots of social media pages for the International Particle Physics Outreach Group (IPPOG). On the left is the Facebook page, which features the IPPOG logo, a navigation menu, and a post about the International Particle Physics Masterclasses for 2018. A large green diagonal banner over the Facebook page reads "Facebook: @IPPOG". On the right is the Twitter profile page, showing the IPPOG bio, a header image of a person looking at a computer monitor displaying particle physics data, and a tweet about the INSPYRE event. A similar green diagonal banner over the Twitter page reads "Twitter: @ippogOrg".

Communication

Public Web Pages and Resource Database

- Assembled Steering Group
 - S. Boutas (CERN Webmaster), M. Lapka, P. Watkins, B. Gulejova, H.P. Beck, S. Goldfarb (chair)
- Preparing Specifications
 - Drupal 8
 - Compliance with CERN Support
 - Including Infrastructure for Resource Database, Global Cosmics, International Masterclasses
- Call for Tender Follows Completion of Specifications

Communication

Public Web Pages and Resource Database

- Unexpected Help from HST Program
 - Curation of Resource Database Content (the assignment)
 - Proposed structure of pages for teachers / students (extra credit)



Working Group Reports

Explaining Particle Physics Hot Topics to a Lay Audience

- Conveners: Dirk Ryckbosch, Thomas Naumann

Bringing Masterclasses to New Countries

- Conveners: Uta Bilow, Ken Cecire

Global Cosmic Rays

- Conveners: Marge Bardeen, Charles Timmermans

Discussion Panels

Exhibitions and Event Highlights (Sascha Mehlhase)

- This time we propose to focus the discussion on how to handle conferences like ECSITE etc.

Broadening the physics scope of Masterclasses (Rasmus Mackeprang)

- Participants of this panel will be challenged to expand the scope of Masterclasses to cover new physics topics, experiments, and/or laboratories.

IPPOG and gravitational waves (Nicolas Arnaud)

- Gravitational waves are back in the spotlight, thanks to the recent Physics Nobel Prize. Panelists are asked to consider the role of IPPOG in the outreach of gravitational waves physics.

Beauty and Physics (Ivan Melo)

- Thanks to IPPOG Ivan Melo, there has been an interesting electronic discussion on “Beauty and Physics”, subject of the article Ivan published. Let’s discuss this beautiful topic face to face.

Saturday Discussions & Votes

Full Membership

- Next Meeting Venue

Collaboration Board

- New Members
 - Brazil, Belle II
- Budget 2018
- Annual Fees 2018
- Creation of IPPOG Finance Advisory and Auditing Board (IFAAB)