



International Particle Physics Outreach Group

IPPOG IMC NEW WEBSITE

DEVELOPMENT WORKPLAN

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Communication Strategy and Content Development Lead, IPPOG

New IPPOG & New IMC website

- ❖ IPPOG is developing new websites in Drupal 8
 - this should be finalised in 2021
- ❖ As IMC is standalone website, it could be published before the new IPPOG website is fully publishable
 - we aim to publish new IMC end of 2020
- ❖ As for the IPPOG website this does not have to be just a simple migration with new design
- ❖ This is the opportunity to reflect on possibilities to enhance user's experience and gather the feedback from the stakeholders (IMC SG, IPPOG), users (moderators, teachers,...) and unbiased professional designer we are working with

- Provide an opportunity for 15- to 19-year old students to discover particle physics
- Take place in more than 200 places in 52 countries with more than 13.000 participants worldwide
- Are organized every year in March
- Are organized at TU Dresden in the framework of the International Particle Physics Outreach Group (IPPOG)

This program is organized at TU Dresden and at QuarkNet Notre Dame in the framework of the International Particle Physics Outreach Group IPPOG. The video linkup between the institutes is realized with valuable technical support from the Vidyo support at CERN IT and at Fermilab IT. We gratefully acknowledge financial support from CERN, EPS HEPP High-Energy and Particle Physics Division of the European Physical Society, and from TU Dresden and from the US National Science Foundation and the US Department of Energy.

ACTIVITY



International Masterclasses

15th International Masterclasses 2019

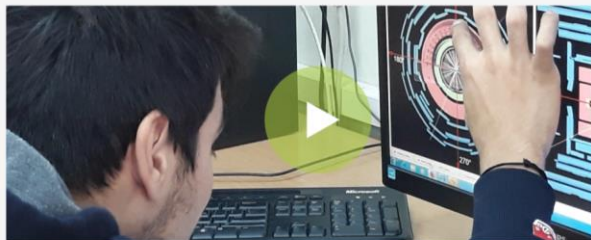
Each year more than 13.000 high school students in 55 countries come to one of about 225 nearby universities or research centres for one day in order to unravel the mysteries of particle physics. Lectures from active scientists give insight in topics and methods of basic research at the fundaments of matter and forces, enabling the students to perform measurements on real data from particle physics experiments themselves. At the end



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- Worldwide Data Day
- Information for High School Students
- Information for Teachers and Educators
- Information for Institutes and Physicists
- Schedule
- Intl. Day of Women and Girls in Science
- My Country
- Physics
- In the Media
- Published Papers
- Archive
- Contributors
- Contact Us



Discover the world of Quarks and Leptons with real data

- Get out of school for one day and come to a nearby university or research centre
- Get insight into topics and methods of basic research at the fundaments of matter and forces
- Perform measurements on real data from particle physics experiments at CERN
- Participate in an international video conference for discussion of results

International Masterclasses

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scroll down

Highlights



Collaborations



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Activities



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IPPOG IMC website working plan

Standard procedure (as used for IPPOG website)

- 1) Collect the feedback and suggestions from stakeholders / IMC SG, teachers etc... **by end of July 2020 – start now...**
- 2) Define final sitemap and design **September 2020**
- 3) Prepare full backup of IMC website ... **End September 2020**
- 4) Build the website.... **From October 2020 on**
- 5) Populate with content.... **From November 2020 on**
- 6) Publish... **End 2020 / Beg 2021**

IPPOG IMC website – future option

Current IMC website contains:

- 1) Frontpage and all subpages under <http://physicsmasterclasses.org/>
- 2) Specific IMC websites (ATLAS, etc...) / applications – external links

PLAN for 2020 is to migrate and publish only the content of 1) and leave the external links to specific IMC pages.

In the future we can offer to go further and harmonise specific IMC pages with the rest – while the current people in charge of these pages would be given full access and control over those pages.

IMC Steering Group Feedback needed

PLEASE, browse the current IMC website and reflect on the user's experience

- Would you propose to add something?
- Would you propose to change the place of some item(s)?
- Check the state of different applications (Hands-on-CERN, etc.) – up-to-date?
- Do we want to have a special place for 'MC in the Box' and IMC kit on USB key, etc...?
- First feedback from Yiota: more uniform/clear presentation of the schedule of the different MC packages (e.g. from frontpage or main menu to access similar looking schedules for all MCs)

PLEASE, ask your teachers for feedback (especially if possible those who don't have experience in organizing IMC and are new to the website)

BY END OF JULY AT LATEST!

New sitemap proposal

IMC

HOME

ABOUT

TAKE PART

COUNTRIES and INSTITUTES

PHYSICS RESOURCES

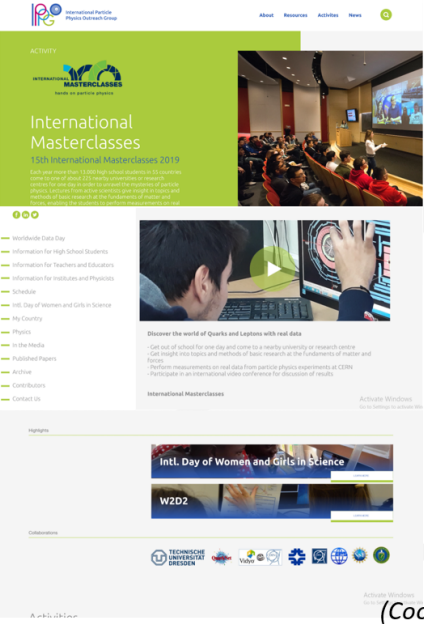
PROJECTS

PUBLIC

CONTACT

ARCHIVE

Including teasers for all what is inside like for IPPOG website



Introduction

IMC Physics Topics
(Invitation to choose your favourite IMC)

Info for High school Students

Info for Teachers and Educators

Info for Institutes and Physicists

(Include information on how to join and contribute)

Team

(Coordinators, contributors, authors and SG)

(With all sub-pages and menu, all pages same design with different menus)

HOW TO JOIN

SCHEDULE

CHOOSE YOUR MASTERCLASS

All IMC packages

(all listed, but no space here ☺)

Hands-on-CERN

Key-hole

Identifying particles

BaBar

Le Monde de Particules

KworkQuark

Teilchentour I & II

Grundlagen der Teilchephysik

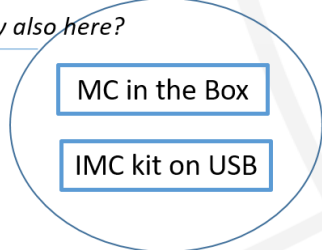
W2D2

IMC for Girls and Women

MEDIA

PUBLICATIONS

Possibly also here?

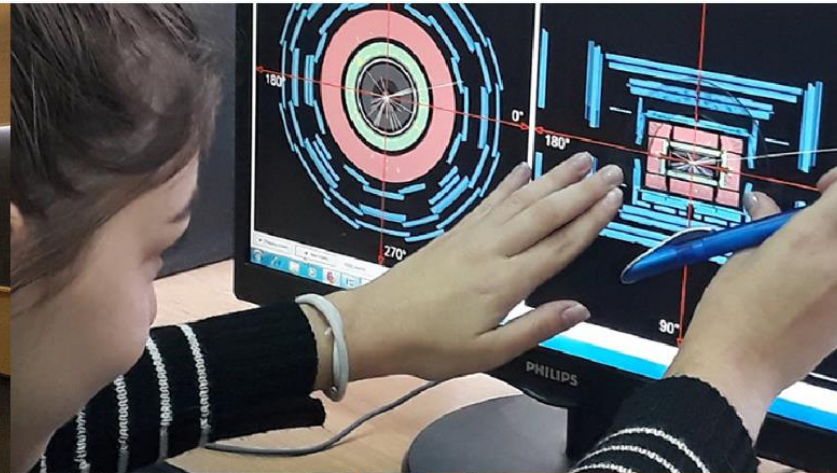


THANK YOU
FOR FEEDBACK

BACKUP SLIDES

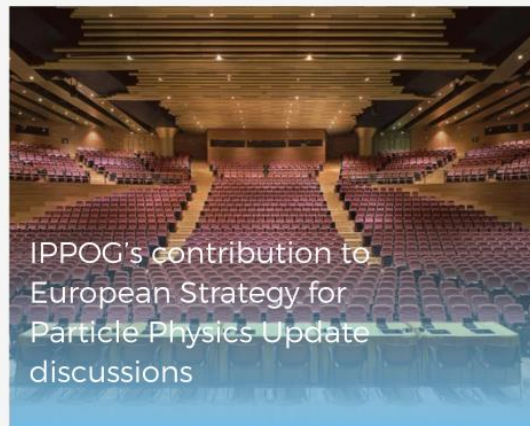


Explore the foundations
of the universe!



Explore the foundations
of the universe!

Latest News



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About IPPOG

We contribute to global efforts in strengthening cultural awareness, understanding and support of particle physics and related sciences and in developing the next generation of researchers. More specifically, IPPOG's purpose is to raise standards of public outreach and science education

WHAT IS IPPOG

- **Goals**
- **Vision**
- **Mission**
- **Structure**
- **Members & People**



Activities



**International
Masterclasses**



Global Cosmics

Projects and competitions

International

- ▶ Particles 4U
- ▶ Girls, do physics!

National

- ▶ Creating Ambassadors for Science in Society
- ▶ Music festival in Slovakia

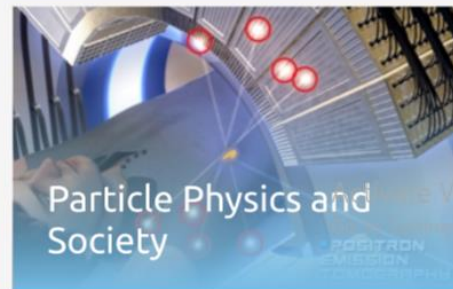
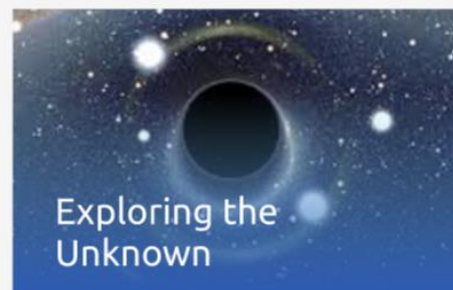


IPPOG Resource Database

From wonders to excitement

We contribute to global efforts in strengthening cultural awareness, understanding and support of particle physics and related sciences and in developing the next generation of researchers. More specifically, IPPOG's purpose is to raise standards of public outreach and science education efforts.

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A few words

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ACTIVITY



International Masterclasses

15th International Masterclasses 2019

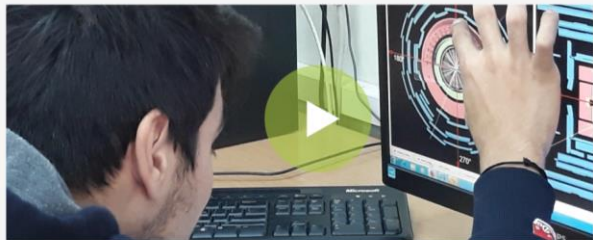
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Highlights



Collaborations



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Activities



Publications
Outreach & educational
resources



IMC
International
Masterclasses



Cosmic rays global
educational platform



Competition
Particles for You



Creatin
for Scie





ACTIVITY

Global cosmic rays portal

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.



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Astroparticle Physics

— Astroparticle Physics
— Projects
— Events
— Requests
— How to obtain a detector for your classroom?
— About

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Projects

Finland		+
France		+
Germany		+
Italy		+

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Poland



Russia

Showers of Knowledge

Spain



Cazadores de Rayos Gamma is a high energy astrophysics web application where students can analyse data from the MAGIC telescopes using a python programming environment. This outreach application combines a storytelling approach with science and programming challenges for the users. 4 PhD

Events

22 March 2020	Event idea	Spain	Contact	Join us
22 March 2020	Event idea	Spain		Join us
22 March 2020	Event idea	Spain	Contact	Join us
22 March 2020	Event idea	Spain		Join us

Resources



[Learn more](#)

Sweden



Events

22 March 2020	Event idea	Finland	Contact	Join us
22 March 2020	Event idea	Finland		Join us
22 March 2020	Event idea	Finland	Contact	Join us
22 March 2020	Event idea	Finland	Contact	Join us
22 March 2020	Event idea	Finland		Join us
22 March 2020	Event idea	Finland		Join us

About

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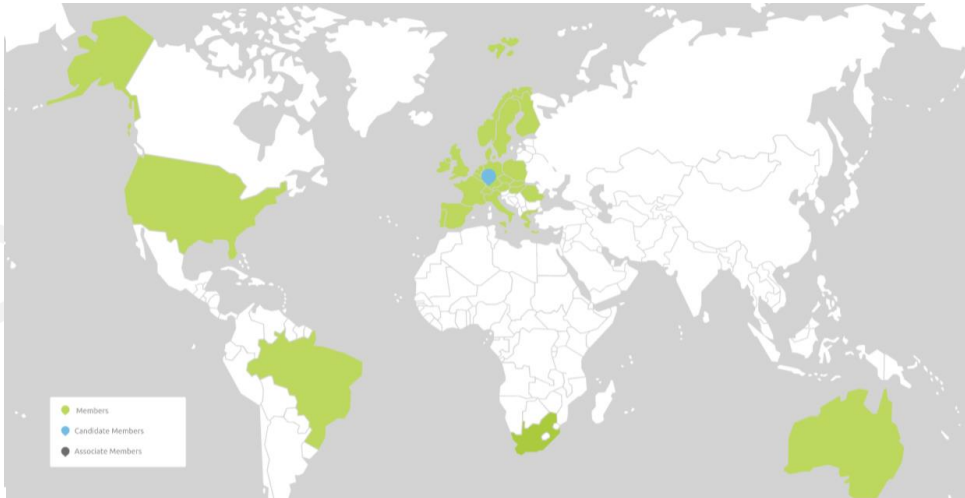
IPPOG

IPPOG members and people



IPPOG Members by Country

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Members

Candidate Members

Associate Members



IPPOG
Coordination Team



Partners and
Contributors

IPPOG
MemberAustria 

Intro

High Energy Physics (HEPHY) in Vienna. Her research field is physics analysis at the CMS experiment at CERN. She searches for supersymmetry, in particular the supersymmetric partner of top quarks in events with a Z boson and hadronic decays of top quarks. Furthermore she is involved in the operation and support of the Vienna GRID computing Tier-2 centre and the institute computing environment. In her varied outreach activities she organises and supervises masterclasses and exhibitions, gives public lectures and designs info-screens about grid computing and physics analysis for the travelling exhibition of her institute. *By communicating with children, teachers and the public, one get an impression of the existing strong interest and enthusiasm in physics. IPPOG as network with a colourful mixture of members from different countries inspires the outreach work with new ideas.*

Representative



Natascha Hoermann

Physicist and Computing engineer
Institute of High Energy Physics (HEPHY) of the
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natascha.hoermann@oeaw.ac.at

Natascha started her education at a higher technical school for computer science and continued with physics at the Vienna University of Technology. Since 2007, she is working at the Institute of High Energy Physics (HEPHY) in Vienna. Her research field is physics analysis at the CMS experiment at CERN. She searches for supersymmetry, in particular the supersymmetric partner of top quarks in events with a Z boson and hadronic decays of top quarks. Furthermore she is involved in the operation and support of the Vienna GRID computing Tier-2 centre and the institute computing environment. In her varied outreach activities she organises and supervises masterclasses and exhibitions, gives public lectures and designs info-screens about grid computing and physics analysis for the travelling exhibition of her institute. *By communicating with children, teachers and the public, one get an impression of the existing strong interest and enthusiasm in physics. IPPOG as network with a colourful mixture of members from different countries inspires the outreach work with new ideas.*


Details

JOINED: **1998**
CURRENT STATUS: **MEMBER**
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26 February 2020

Newly born IPPOG Collaboration

On 19th of December 2016 IPPOG became a formal Scientific Collaboration based on Memorandum of Understanding (MoU).

TOPIC



26 February 2020

IPPOG's input to EPSU

Today it becomes more and more apparent how important an open and transparent dialogue of science with society is Today it becomes more and more apparent how important an open and

TOPIC



26 February 2020

IPPOG Friends

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TOPIC

1 2 3 4 5 >>

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Activities

