



Workshop on High School Cosmic Ray Experiments

IPPOG Perspective

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IPPOG

International Particle Physics Outreach Group



IPPOG: A Group

Of

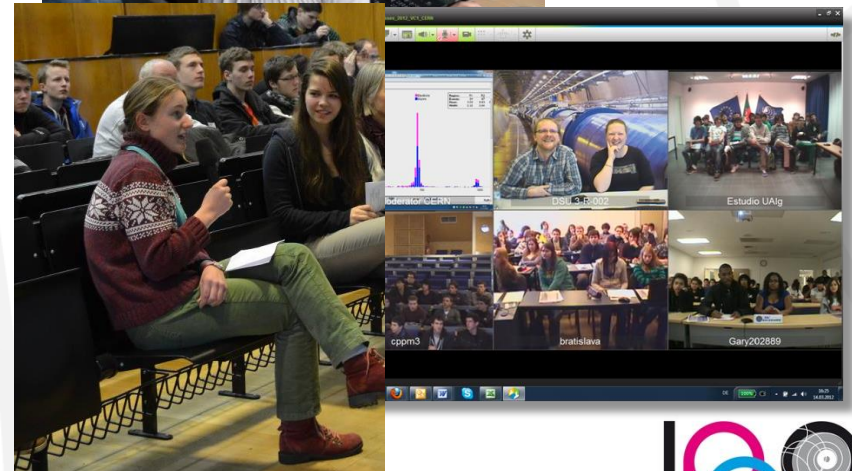
- Particle Physicists
- Science Communicators
- Education Specialists

Developing & Sharing

- Ideas, Best Practices
- Material & Projects
- International Programmes

To

- Convey the value and excitement of particle physics to a global audience



IPPOG: A Collaboration

Of Representatives from

- Nations
- Laboratories
- Experiments

Agreeing to

- MoU
- Sharing of resources

In order to

- Guarantee sustainability
- Expand our reach
- Support new initiatives



INTERNATIONAL PARTICLE PHYSICS OUTREACH
GROUP

**MEMORANDUM OF UNDERSTANDING
Establishing
The International Particle Physics Outreach Group (IPPOG) Collaboration**

PREAMBLE

IPPOG is a network of scientists, researchers, science educators, explainers and communication specialists active across the globe in outreach for particle physics;

IPPOG's mission is to maximise the impact of education and outreach efforts related to particle physics;

The European Strategy for Particle Physics, as adopted and updated regularly by the CERN Council, acknowledges the important role played by IPPOG in the promotion of particle physics;

The IPPOG stakeholders recognise the need to create a formal legal structure permitting IPPOG to increase the scope and quality of its work;

This Memorandum of Understanding (the "MoU") creates the IPPOG Collaboration and sets out its governance and the rights and obligations of participants.

**ARTICLE 1
PURPOSE OF THIS MOU**

- 1.1 This MoU creates the IPPOG Collaboration and sets out its governance and the rights and obligations of participants.
- 1.2 This MoU is not legally binding, but its signatories recognise that the long-term success of the IPPOG Collaboration depends on their adherence to the provisions of this MoU.



Expanding IPPOG Scope

International Reach

- Members from Australia to South Africa to Italy to...
- Particle Physics Masterclasses in 46 Countries

Particle Physics Facilities

- LHC, IceCube, LIGO, Auger, ...
- High School Rooftops?

Outreach Themes

- W, Z, Higgs, CP Violation, Neutrinos, Gravitational Waves,..
- Cosmic Rays?

This Cosmic Ray Workshop

Perfect Example of Activity IPPOG Supports

- Sharing of innovative ideas started independently
 - Goal to identify and develop commonalities
- Project with far-reaching scope
 - Potential to reach many schools / students
 - Reasonable requirements for resources
 - Potential for a long-term sustainable program
- Hands-on example of particle physics research
 - Detector Installation, Operation, Maintenance
 - DAQ and Computing
 - Physics Analysis
 - International Collaboration

What is there not to like about this?

Hope & Commitment

Hope for Outcome of Workshop

- Sharing of ideas, projects, material, plans
- Identification of commonalities & best practices
- Plans for consolidation, when appropriate
- First ideas for a globally connected program

IPPOG Commitment

- Source of material, ideas from other projects
- Platform for sharing cosmic ray material
- Forum for ongoing discussion
- Support for communication & network building
- Coordination with APPEC

Thank you

Charles
Local Organisers
Participants