

# THE INTERNATIONAL PARTICLE PHYSICS OUTREACH GROUP: ENGAGING THE WORLD WITH SCIENCE

Steven Goldfarb<sup>a</sup> and Jackie Bondell<sup>a</sup> (on behalf of the IPPOG Collaboration)

Presenting Author: Jackie Bondell ([jackie.bondell@unimelb.edu.au](mailto:jackie.bondell@unimelb.edu.au))

<sup>a</sup>School of Physics, University of Melbourne, Parkville VIC 3010, Australia

**KEYWORDS:** Education, Outreach, Public Engagement, Communication

## ABSTRACT

The International Particle Physics Outreach Group (IPPOG) is a network of scientists, science educators, and communication specialists working across the globe in informal science education and public engagement for particle physics. The primary methodology adopted by IPPOG includes the direct participation of scientists active in current research with education and communication specialists to effectively develop and share best practices in outreach. IPPOG member activities include the International Particle Physics Masterclass programme, International Day of Women and Girls in Science, Worldwide Data Day, International Muon Week, and International Cosmic Day organisation, and participation in activities ranging from public talks, festivals, exhibitions, teacher training, student competitions, and open days at local institutes. These independent activities, often carried out in a variety of languages to public with a variety of backgrounds, all serve to gain the public trust and improve worldwide understanding and support of science. We present our vision of IPPOG as a strategic pillar of particle physics, fundamental research, and evidence-based decision-making around the world.

## REFERENCE

*The International Particle Physics Outreach Group* (2022). Retrieved June 13, 2022, from <https://ippog.org>

Proceedings of the IUPAP International Conference on Physics Education, ICPE 2022 5-9 December 2022, page 91, ISBN: 978-1-74210-532-1.