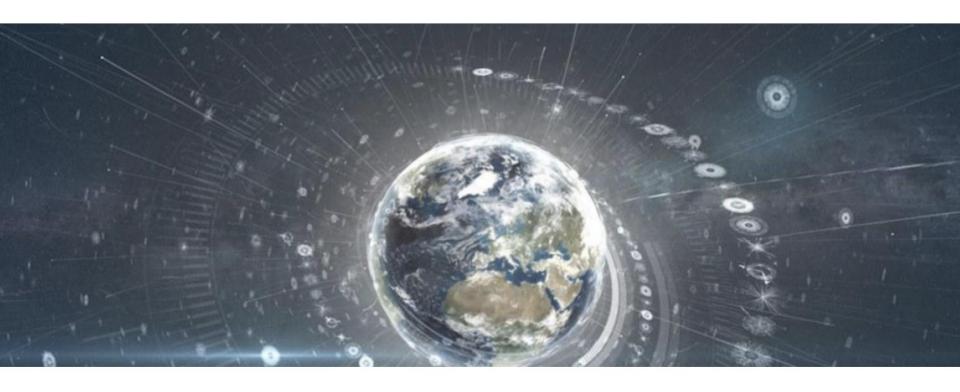




IPPOG: Enabling Outreach Globally



Our Members give us the Resources to make so many Activities



Public Events

Universal Science

03 November 2019 - 17:30

The Braggs Building, University of Adelaide



2011

Creation





For use by anyone everywhere:

- Informal science educators & explainers
- > Teachers & educators
- > Students
- Other IPPOG present and potential stakeholders and partners
- General public, decision makers, politicians, funding agencies



The Little Book of the Big Bang: A Big Scientific Adventure



9 to 12 years 12 to 15 years 15 to 18 years 18 to 25 years Tags 25 years+ Dark Energy Language computing grid English Copyright Credit STFC STFC Contact

STFC

Purpose

To improve understanding of the Large Hadron Collider and what it is trying to do

Information

This bright and colorful book uses quirky art, humor, and good science to drive its points home for a general audience. Subjects covered include:

- 1. Our universe
- 2. LHC-what it is, how it works, what it studies
- 3. Dark Energy
- 4. The scientific process
- 5. A bit about mass (& the Higgs particle)
- 6. The scientists involved. (highlights Lyn Evans, Dave Barney, Aliston Bates, Lily Asquith)

- b. I ne scientists invoived. (nignlights Lyn Evans, Dave Barney, Aliston Bates, Lily Asquitn)
- 7. The international Collaboration
- 8. Development of state of the art technologies
- 9. The computing grid

The project was funded by the Science and Technology Facilities Council in the UK. Layout concept & text by David Brodie.

Design by Real Affinity Agency.

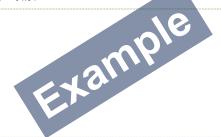
Published in 2010 Copyright STFC

http://www.scribd.com/doc/48983125/null

Post date: Fri, Mar 18, 2011 — 11:34 Updated date: Tue, Nov 20, 2012 — 04:54

Learning Topics

Dark Matter Extra / Multi Dimensions Forces Higgs Boson Mass Matter / Antimatter Particles Quark Gluon Plasma Standard Model



Files

- Book-The Little Book of the Big Bang
- Jpeg file of cover
- Tiff file of cover



2011
Creation

2017/ 2018 Review

2019

Redesign



2017/2018



Gathered input from the teachers





Curated Categories



Physics Outreach Group

2019



Redesign

Developing new IPPOG digital portfolio, including the database

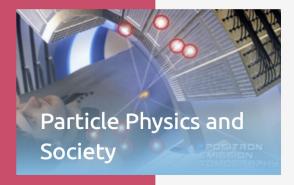
- consulted with the CERN web team
- developed new design (with initial implementation in Drupal 8)

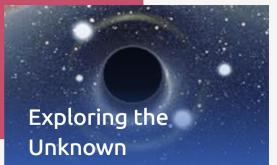


IPPOG RESOURCE DATABASE

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.









2019



Redesign



Developing new IPPOG digital portfolio, including the database

- consulted with the CERN web team
- developed new design (with initial implementation in Drupal 8)
- formed a Steering Group
- working on the integration with <u>CERN Document Server (CDS)</u>



CERN Document Server (CDS)

Presentations & Talks (18,193)

Conference Announcements (7,340) Academic Training Lectures (874)
Summer Student Lectures (1,547) General Talks (8,430)
E-learning modules (52)

Periodicals & Progress Reports (2,405)

Periodicals (2,326) Progress Reports (79)

Multimedia & Outreach (107,118)

Photos (18,201) Press (70,939) Audio Archives (504) Exhibition Objects (319)

Posters (1,261) Brochures (246) HEP Institutes (2,982)

Experiments at CERN (1,257) Education and Outreach Resources (125)

Video Lectures (11,339) Graphics (3)

Videos collection has been moved to: videos.cern.ch

CERN Departments (292,094)

Physics (EP) (28,506) Research & Computing Sector (135,820) Theoretical Physics (TH) (15,078) Information Technology (IT) (77,293)

Accelerators & Technology Sector (23,771) Beams Department (BE) (1,624) Engineering Department (EN) (658) Technology Department (TE) (205)

Directorate Services Unit (28,539) International Relations (89,792) Procurement and Knowledge Transfer (14,158) Human Resources (HR) (1,459)

Finance and Administrative Processes (FAP) (68) Pension Fund (0)

CERN Accelerators (34,005)

All CERN Accelerators documents (29,279) PS Complex (2,087) SPS and CNGS (7,671) LHC (4,786) Projects, Upgrade and Consolidation Projects (393) R&D and Studies (260) EU Funded Projects (1,237) Decommissioned Facilities (2,841) Accelerators and Facilities outside CERN (18) Technologies, Systems, Accelerator Physics and Processes (5,629)

CERN Experiments (95,895)

LHC Experiments (78,555) LEP Experiments (10,608) SPS Experiments (1,548) PS Experiments (727) ISOLDE (3,243) MEDICIS Internal Notes (24) Recognized Experiments (836) CERN Test Beams (661)

CERN R&D Projects (4,614)

EU Projects (3,140) CERN Detector R&D Projects (709) CERN Accelerator R&D Projects (1,434)

Archives (45,727)

CERN Archives (36.015) Pauli Archives (3.819) DSU Archives (713) CERN Website (4.835) Software Documentation (345)

International Collaborations (28)

IPPOG (28)

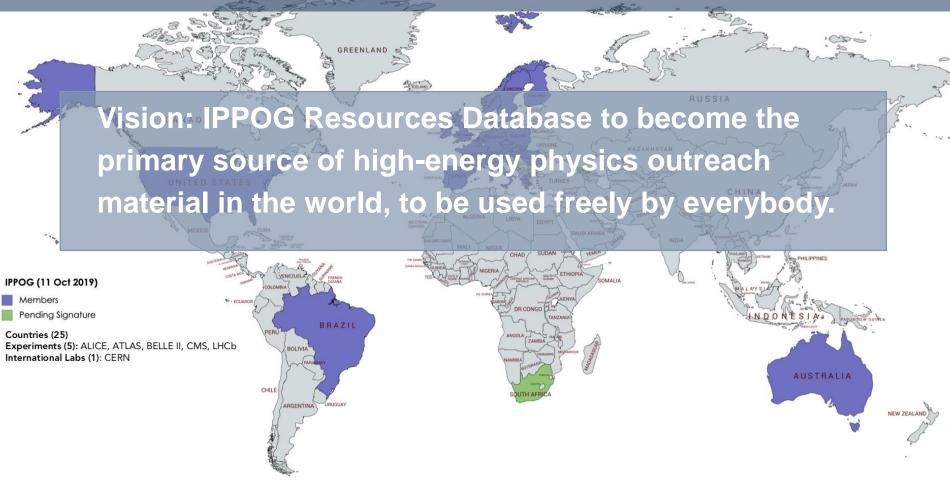


FUTURE PLANS:

- Strengthen the IPPOG brand online
- Foster partnerships with other O&E portals e.g. <u>globalcosmics.org</u>, <u>https://quarknet.org</u>, and many more
- Develop an environment to not only find material, but to rate it, suggest improvements, share it (e.g. lesson plans)



Enabling Outreach Globally





IPPOG Resource Database - links

http://ippog.org/resources

Follow us:

http://ippog.org

http://facebook.com/ippog

http://facebook.com/groups/friends.ippog

http://twitter.com/ippogOrg

http://instagram.com/ippogOrg

Contact ippog-friends@cern.ch



THANK YOU!

