International Particle Physics Outreach Group

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Hans Peter Bock (University of Bern) and Steve Goldfarb (University of Melbourne), IPPOG Chairs

Physics Slam

To increase enthusiasm and basic understanding of physics among a general audience

Science Shows & Performances

Latest Resources

A Big Bang In The...
To introduce main research subjects at LHC to secondary school pupils in their last year of studies

Das Verflühte Higgs...
Article published originally in the German journal *Astronomie & Raumfahrt* 51 (2014) 6...

Quiz for IMC17
This multiple-choice quiz is designed for high school students and will be used in the...
Some ethical questions in particle physics

Hans Peter Beck¹, Ivan Melo², Thomas Naumann³
Examine and Evaluate the Database Interface

- Is this something useful for you?
- How could it be made more useful for you?
- Do you agree with the proposed categories?
- When and how often would you use it?

Review the Content

- Is there useful content?
- What do you want more of?
- How can the existing content be improved?
- Rate content according to a scale:
  - 0 = archive it
  - 5 = keep it no matter what
- Tag and propose improvements:
  - categories (topic, subtopic, item, audiences)
  - level of difficulty (standalone / needs guidance)
  - language
<table>
<thead>
<tr>
<th>Item</th>
<th>Topic</th>
<th>Subtopic</th>
<th>Item Types</th>
<th>Audiences</th>
<th>Rating</th>
<th>Keywords</th>
<th>Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>CERN lesson plan, Background material, units</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>5</td>
<td>as above</td>
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<tr>
<td>Cloud chamber DIY manual</td>
<td>Technologies and Experiment</td>
<td>Detectors</td>
<td>classroom materials</td>
<td>educators, upper secondary</td>
<td>5</td>
<td>detectors, cosmic rays, particles</td>
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<td>particles and interactions, presentation</td>
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<td>repeat link, different title, set up separate file</td>
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<tr>
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<td></td>
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<td>poster for this event, out of</td>
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<td>Detectors</td>
<td>video</td>
<td>broad public</td>
<td>3</td>
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<td>Technologies and experiment</td>
<td>Detectors</td>
<td>video</td>
<td>broad public</td>
<td>3</td>
<td>badly named file, sounds different</td>
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<td>video</td>
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<td>5</td>
<td>higgs, boson</td>
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<td>Accelerators</td>
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<td>cannot comment, in french</td>
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<td>2013, out of date, remove</td>
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<td>in french, cannot comment</td>
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<td>Particle physics and society</td>
<td>why fundamental research</td>
<td>simulation</td>
<td>educators, upper secondary</td>
<td>5</td>
<td>data analysis, boson, discovery</td>
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<td>Dual language, English link</td>
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Samples of Our work or Ideas

• ATLAS control room on 2017-07-17 (we visited and took part)

  Brief view

• Association of physics teachers as friends of IPPOG

  UIPTS Website

• Preparing email list of physics teachers from all over the world.
Future Direction

- Complete Database review for other languages
- Translate previously identified resources for translation into other languages
- Generate links with territory physics teacher networks
  - Many thanks to HST contributors for this
- Take forward the design of the new website
  - Budget approved
  - Add WG7 work to a specification document
  - Select an external designer
  - Develop design and graphic elements with designer
  - Implement web pages
- Friends of IPPOG