



Brazilian Application to IPPOG

*Brazilian National Network of High
Energy Physics*



Brazilian Application to IPPOG

- The Brazilian HEP community has great interest and a large involvement with particle physics outreach activities
 - For instance, Brazil has a large participation in the *Masterclasses Hands On Particle Physics*
- The Brazilian HEP community wishes to become part of IPPOG in order to improve the outreach of particle physics nationwide



Brazilian HEP community

- 16 institutions in 6 different Brazilian states (Brazil has 26 states in total)
- 120 faculties/researchers
- 70 graduate students
- 30 technical staff
- Participation in:
 - the four LHC large experiments and ALPHA experiment at CERN
 - Pierre Auger Observatory and Cherenkov Telescope Array
 - neutrino experiments (DUNE, Double Chooz, etc.)

Masterclasses in Brazil



- Organized since 2008
- Around 10 institutions in 7 Brazilian cities, reaching more than 500 students every year
- Several courses are organized for high school teachers
- Several academic works, like thesis, papers, etc.



Courtesy of Marcia Begalli

Brazilian National Network of High Energy Physics



- RENAFAE (Rede Nacional de Física de Altas Energias, in Portuguese)
 - It is a National Network officially created by the Brazilian Ministry of Science and Technology in 2008 in order to coordinate the national effort in High Energy Physics
 - It is composed by ALL Brazilian physicists that work with High Energy Physics
- Therefore, RENAFAE is the ideal organization to represent Brazil in IPPOG

Perspectives with IPPOG Participation



- A National Working Group was created with an invitation to all organizers of the Masterclasses in Brazil
- The goal of the group is to bring together researchers and educators that are interested in the outreach of particle physics
- We are organizing regular meetings in order to exchange experiences and ideas
- New activities were already proposed in these meetings

Brazilian Application to IPPOG



- Looking forward to the opportunity of being part of IPPOG!
- Thank you!!

