



International Particle Physics Outreach Group



ALICE

AN INSIDE VIEW FROM IPPOG

Advantages of membership of ALICE in IPPOG

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..a bit of history

- First heard of EPPOG from Greek representative Nick Trakas
- First contact with EPPOG : representing Yiota Foka (ALICE) at CERN autumn Meeting
- Liked very much the concept of masterclasses
- Participated in OPAL masterclass at CERN

- member of EPPOG / IPPOG since 2009 representing ALICE (ALICE outreach coordinator)

Benefits from IPPOG

- Inspiration and ideas
- Sharing of news
- Material (IPPOG database)
- Deeper understanding of physics topics (Higgs,...)
- Stimulating discussions
- Networking
- Friends

At CERN, we hold monthly LOG meetings
LOG : LHC Outreach Group

IPPOG is obviously a much wider and much more diverse
Network, and our interaction is enriching for all

Some of the IPPOG activities with great impact / potential

- Masterclasses in particle physics
- IPPOG and particle physics outreach in conferences
- Cosmic rays going global

ALICE Masterclasses

- First version of strange particles measurement
- Second version of strange particles measurement
- R_{AA} measurement

- Diploma thesis based on masterclasses development

- Involve young ALICE members as moderators

- Involve colleagues / institutes
- Increase visibility of ALICE inside CERN, HEP community, members' countries / institutes
- Bring ALICE to places with no ALICE involvement

ALICE in the International Masterclasses

Year	ALICE sessions	ALICE masterclasses
2011	2	10
2012	3	13
2013	3	10
2014	4	16
2015	5	18
2016	5	20
2017	7	29

New participants in 2016 and 2017

Mexico :Puebla and Mexico city ;

Russia : St. Petersburg; Finland : Jyväskylä;

Austria : Vienna; Italy : Bari, Padova, Pavia;

Bangladesh : Dhaka

ALICE Masterclasses

ALICE Masterclasses conducted as part of CERN Teachers' Programmes

- Swedish Teachers programme – every year
- Italian Teachers programme – on two occasions
- For Physics Teachers in Thessaloniki – 3 times
- On special request : students from New Zealand at CERN – twice
- As part of outreach activities during conferences

IPPOG and outreach in conferences

The systematic effort, these last years,

- to include talks on IPPOG and the importance of outreach in conferences
- to organise outreach sessions in conferences

benefits the whole HEP community

- Giving people concrete examples of success stories
- Encouraging, especially the young, to spend some of their energies in outreach activities

...instead of conclusion

- In the last 4 years:
Outreach talk during plenary session (ALICE weeks)
- Opportunity to bring news, ideas etc from IPPOG and publicise IPPOG activities (increase of masterclasses)
- The Memorandum of Understanding for the Scientific Collaborations foresees commitment for in-kind contribution :- this will make it easier for some manpower to be allocated to work for outreach resources

Thank you IPPOG!