



# **ATLAS EVENT INDEX WORKSHOP @ IFIC 22-23 June 2015**

José SALT

Instituto de Física Corpuscular

# The Framework:



**“Spanish Distributed Tier-2 for the ATLAS experiment (LHC) Phase 3 and its role in the management and processing of Big Data”**



\*\*\* It is a R&D project (Challenges)

- It has been divided in 9 tasks and one of them is the ‘ATLAS Event Index participation in the development of one of the essential tools: the Event Index, which will be the solution for the big size of data

This development will be useful in other scientific disciplines

# The Program:



Monday, 22 June 2015

09:00 - 13:00

Session 0: Introduction and status reports

09:00 **Workshop introduction 15'**

Speakers: Dario Barberis (Università e INFN Genova (IT)), Jose Salt (Instituto de Fisica Corpuscular (ES)), Santiago Gonzalez De La Hoz (Instituto de Fisica Corpuscular (ES))



09:15 **Open-ended production 1h0'**

Speakers: Santiago Gonzalez De La Hoz (Instituto de Fisica Corpuscular (ES)), Fedor Prokoshin (Federico Santa Maria Technical University (CL)), Andrea Favareto (Università degli Studi e INFN Genova)

Material:

**Slides**

10:15 **Coffee break 30'**

10:45 **Producer status 30'**

Speakers: Javier Sanchez (Instituto de Fisica Corpuscular (ES)), Alvaro Fernandez Casani (Instituto de Fisica Corpuscular (ES))

11:15 **Consumer and validation 1h0'**

Speakers: Alvaro Fernandez Casani (Instituto de Fisica Corpuscular (ES)), Javier Sanchez (Instituto de Fisica Corpuscular (ES))

12:15 **Discussion 45'**

13:00 - 14:00

Lunch break

14:00 - 18:00

Session I: Status reports and short term actions

14:00 **Hadoop storage - status and problems 1h0'**

Speakers: Julius Hrivnac (Laboratoire de l'Accelérateur Lineaire (FR)), Rainer Toebbicke (CERN)

15:00 **Web interface 30'**

Speakers: Ruijun Yuan (Laboratoire de l'Accelérateur Lineaire (FR)), Julius Hrivnac (Laboratoire de l'Accelérateur Lineaire (FR))

15:30 **Coffee break 30'**

16:00 **Trigger decoding progress 30'**

Speakers: Fedor Prokoshin (Federico Santa Maria Technical University (CL)), Elizabeth Gallas (University of Oxford (GB))

16:30 **Derivation overlap studies 1h0'**

Speaker: Jack Cranshaw (Argonne National Laboratory (US))

## Tuesday, 23 June 2015

09:00 - 13:00      **Session II: Status reports and short term actions**

09:00      **System monitoring 1h0'**

Speakers: Fedor Prokoshin (Federico Santa Maria Technical University (CL)), Simon Ernesto Cardenas Zarate (Federico Santa Maria Technical University (CL))

10:00      **Smooth operations: what is missing? 1h0'**

11:00      **Coffee break 30'**

11:30      **Discussion 1h30'**

13:00 - 14:00      **Lunch break**

14:30 - 18:00      **Session III: Towards sustainability: medium and long-term planning**

14:30      **Recap of where we are and what we still need to provide 1h0'**

Speaker: Dario Barberis (Università e INFN Genova (IT))

15:30      **Discussion - who does what and when 1h30'**

17:00      **Wrap-up 30'**

# Some technical/logistics issues:



- Meeting Room: ***Sala de Juntas del IFIC***
- Coffee Breaks will be served at the meeting room
- Lunch: at the Scientific Park Cafeteria
- If you need Attendance Certificate, please tell us
- **Welcome to IFIC – Have a nice stay in Valencia !**