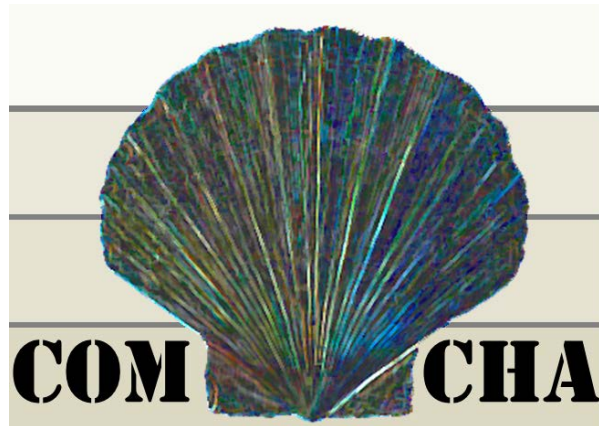


Computing Challenges (COMCHA) Meeting

Tuesday 5th June 2018



Introduction

COMCHA collaboration:

Computing Challenges for the HL-LHC at Spain

A common effort among Spanish groups participating in LHC experiments to deal with the problem of particle reconstruction in high density environments during the High Luminosity era.

New computing models are explored, including software and hardware technologies. This collaboration should be under the HEP Software Foundation.

Working Group structure (dynamic: just add your favourite WG):

Physics Working groups:

WG1_{//} : TRACK [URL, Sevilla, IFIC]

WG2_{//} : CALO [URL]

WG3_{//} : RICH [URL, Sevilla]

WG4_{//} : MUONS [USC?]

Computing Working groups:

WG1_⊥ : Algorithms [URL, Sevilla, IFIC]

WG2_⊥ : Architectures [URL, Sevilla, IFIC, UB]

WG3_⊥ : Machine Learning [URL, Sevilla, IFIC]

Calls (EU, ?)

Searching for funding:

- Hiring people
- Meetings
- Infrastructure

Several EU options: (ITNs (ETN, EID, EJD, RISE), FETs, LEIT ...)

- All calls involve one or more enterprises
- Usually involve more than one country

Other sources?

Network at National level?

Organization

- Monthly meetings: focused on one subject/WG, no long meetings
 - Next meetings:
 - **Tu. 3rd July 15:00 2018**
 - Tu. 11th September 2018
- Chair alternation, by institutions and experiments
 - Just volunteer, we'll make a list
- **Face-to-face meeting:** End October, CPAN, dedicated LHC network meeting focused on computing challenges for the upgrade.
- On the way: [twiki](#) page: link to meetings, info of interest, documentation...