

# Jet News

Ricardo Gonalo (LIP), David Miller (Chicago)  
Jet Signature Group Meeting  
24 November 2014

# Release 20

- Deadline for release 20 on 3 December (next week)
- To be used for MC15 Monte Carlo production
- Need main deliverables to be in 20.0.0:
  - Jet area subtraction
  - Several JES options
  - New jet container names
  - TriggerTower full scan (aka L1.5)

# Jet containers

- Jet Containers in xAOD to be separated into uniform jet collections:
    - Each produced by one instance of TrigHLTJetRec
    - To be used by one of several Hypos
  - Names according to calibration and “scan”:
  - Cluster energy scale:
    - **em** = no weights applied at all
    - **lcw** = local cluster weighting
  - Jet energy scale:
    - **jes** = JES calibration factors without pileup subtraction
    - **sub** = pileup subtraction applied but no JES factors
    - **subjes** = both pileup subtraction and JES factors
  - Input objects for jet finding:
    - **tc** = TopoClusters
    - **TT** = TriggerTowers
- For anti-kt 0.4:
    - a4TTem
    - a4tciemjes
    - a4tcemsubjes
    - a4tclcwjes
    - a4tclcwsubjes
  - Same thing for a10 jets
    - a10TTem
    - a10tciemjes
    - a10tcemsubjes
    - a10tclcwjes
    - A10tclcwsubjes

# Other...

- M7 starts today:
  - Experts to report daily to Ricardo & David and give presentation in Monday meeting with week's summary
- 2011 paper plots converging(?)
- Other?