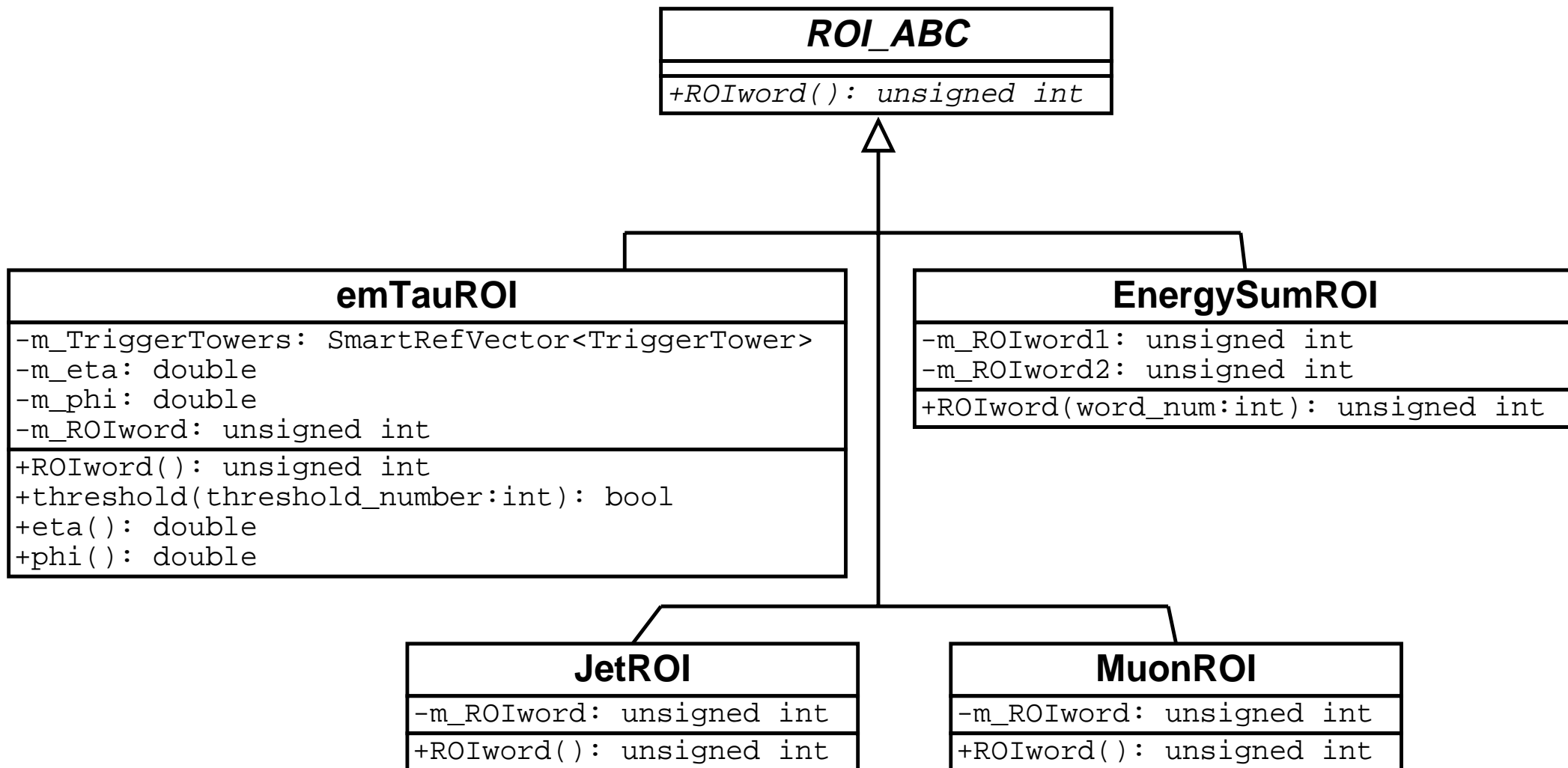


# Trigger Simulation Software

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## Current situation (and recap)

- ◆ Athena installed at QMW (and webpage made explaining process)
- ◆ TriggerTowerMaker written: reads in generic calorimeter cells, builds trigger towers and stores in TES.
  - ◆ Currently ATLFAST is used to create trigger towers.
    - ◆ UCL team have agreed to add hadronic/em layering to ATLFAST (currently has "flat" calorimeter)
  - ◆ LVL1CaloTrigger reads in TriggerTowers
- ◆ Interface to ROI objects being defined: difficulty has arisen in working out how to link to TriggerTowers. Not trivial.
- ◆ Code documentation begun (using doxygen)



# To be done:

- Finalise ROI interface
- Complete/Write trigger algorithms
- Update TriggerTowerMaker to form Trigger Towers from GEANT Calorimeter cells.
- Update TriggerTowerMaker to use eventual ATLFAST hadronic layer.
- Write complete documentation.

[hepwww.ph.qmw.ac.uk/~moyses/atrig/index.html](http://hepwww.ph.qmw.ac.uk/~moyses/atrig/index.html)