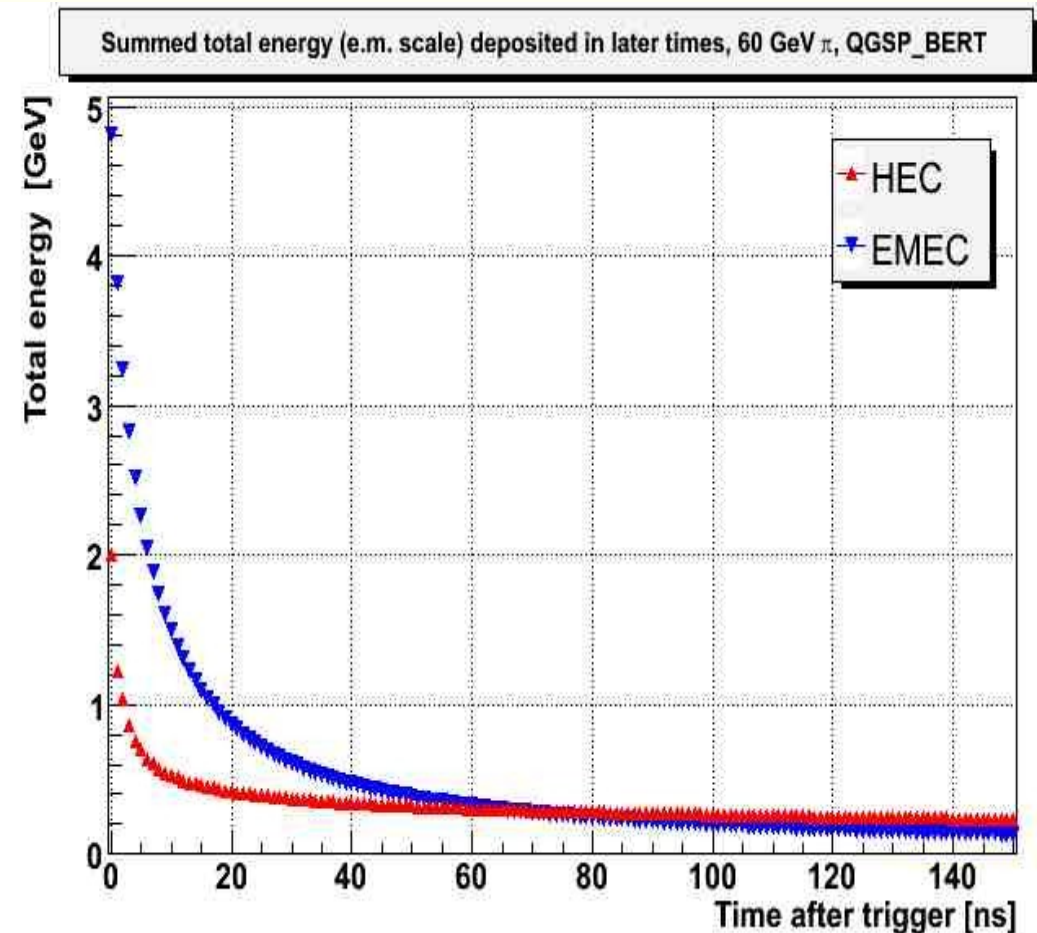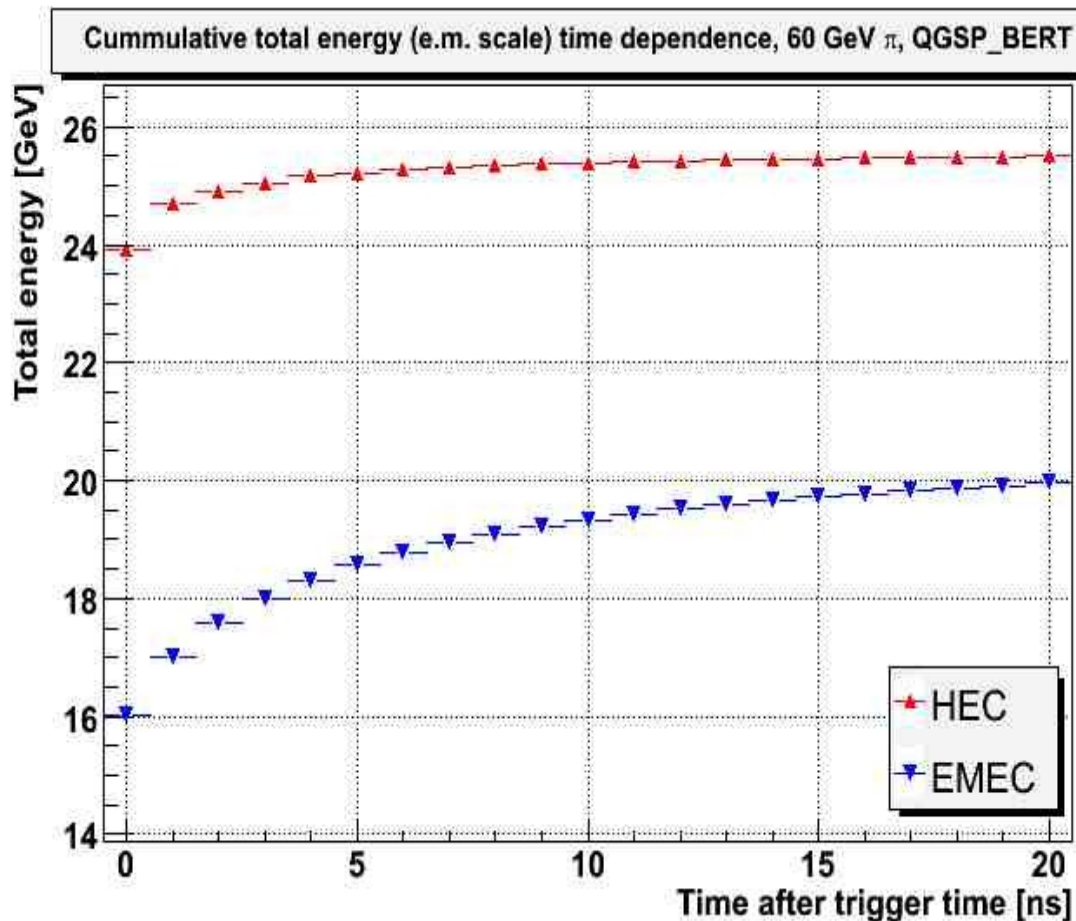# CTB-EC2 MC News

- Open questions:

  - Started to use a proper time structure of energy deposits – immediatelly the resolution gets much worser (9.3% -> 10.6% for 200 GeV pions on e.m.scale). Not clear why so much.

  - Lateral profiles tested on 60 GeV pions x-scan, very strange assymetry present in QGSP_GN data, much better in QGSP_BERT physics list

  - Web page somehow updated, still not fully up-to f=date:
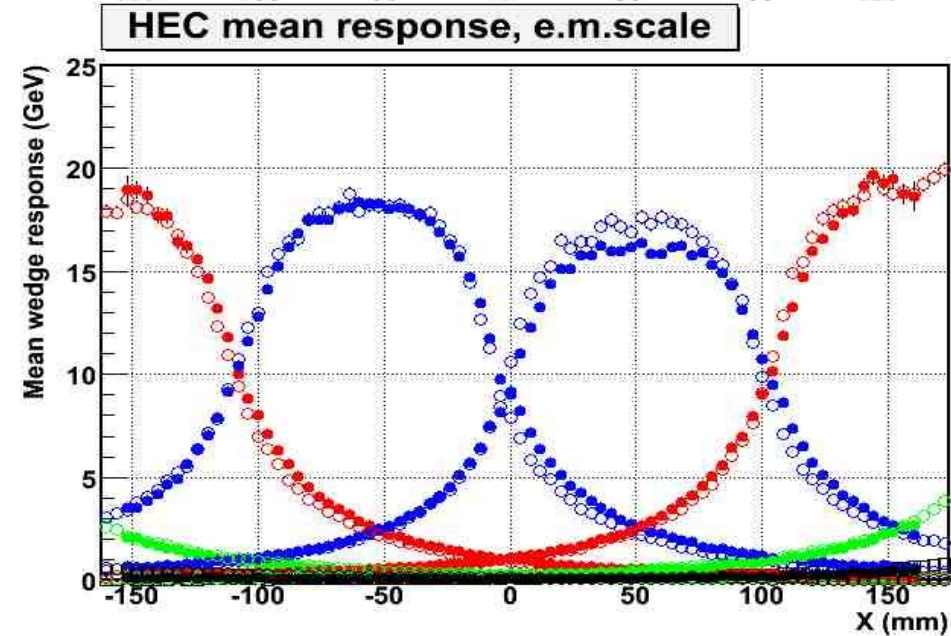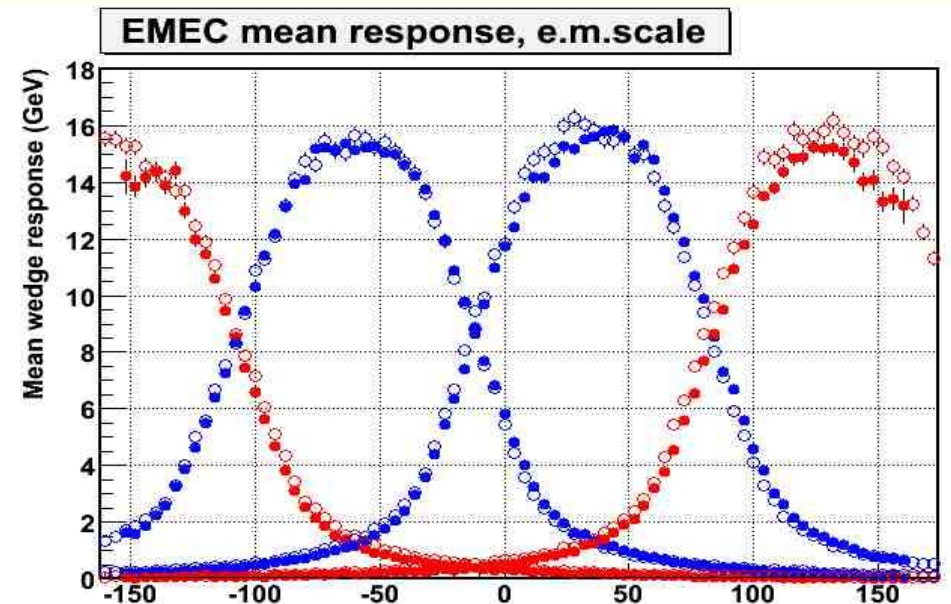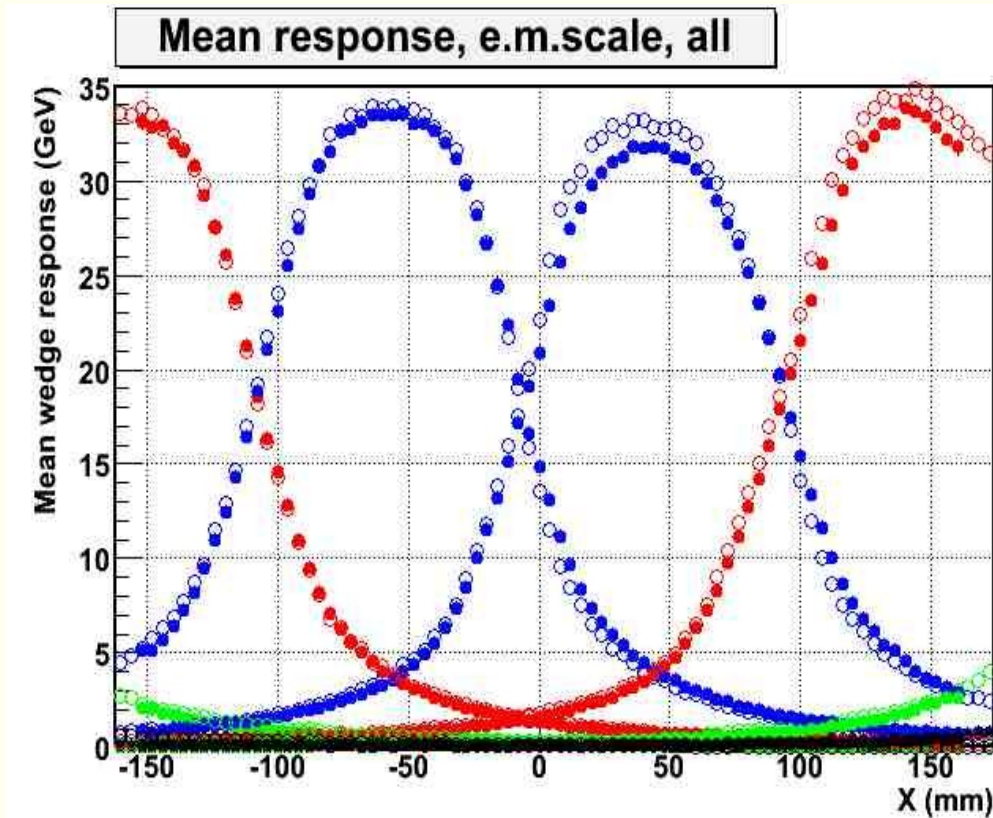    http://wwwatlas.mppmu.mpg.de/CTB2_mc/

# CTB-EC2 MC News

- Digitization process cross-checked with "generated" energy deposits, no obvious problems found.

-  The timing structure of energy deposits in HEC and EMEC is quite different, not clear why.... Also not clear to me, if energy resolution degradation could be explained by this effect.
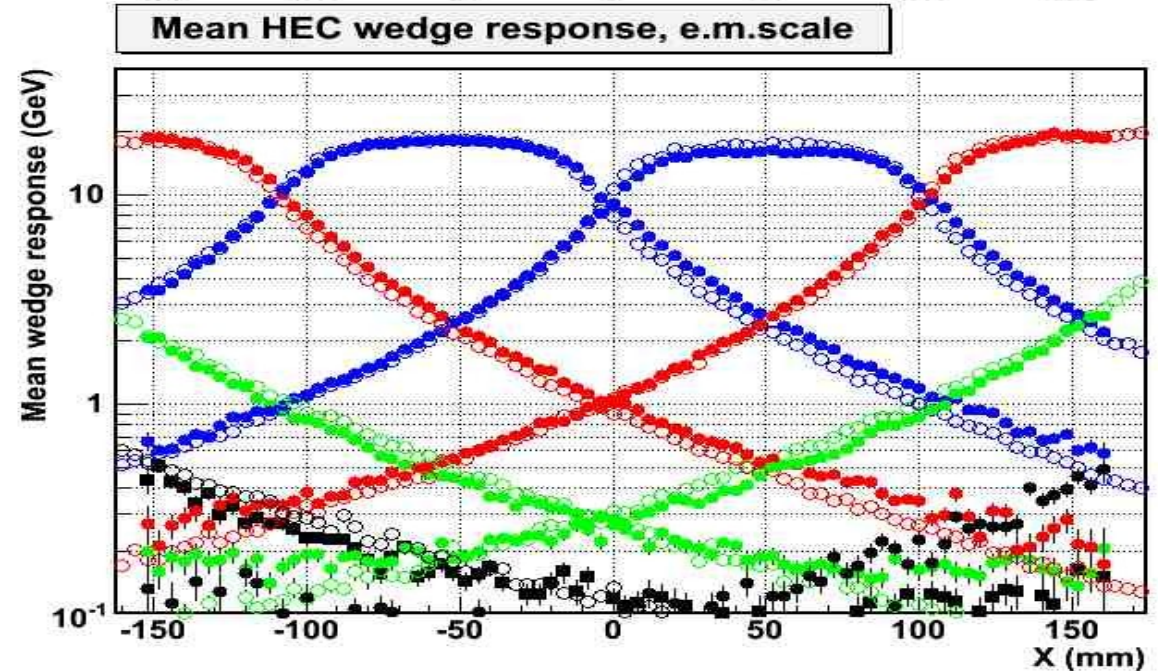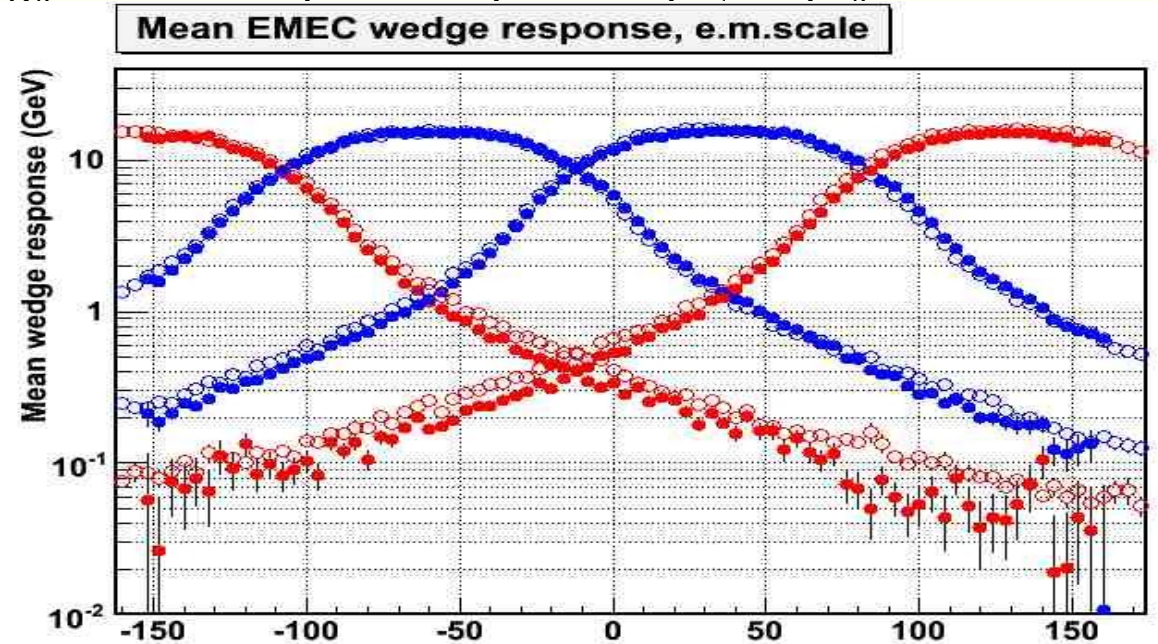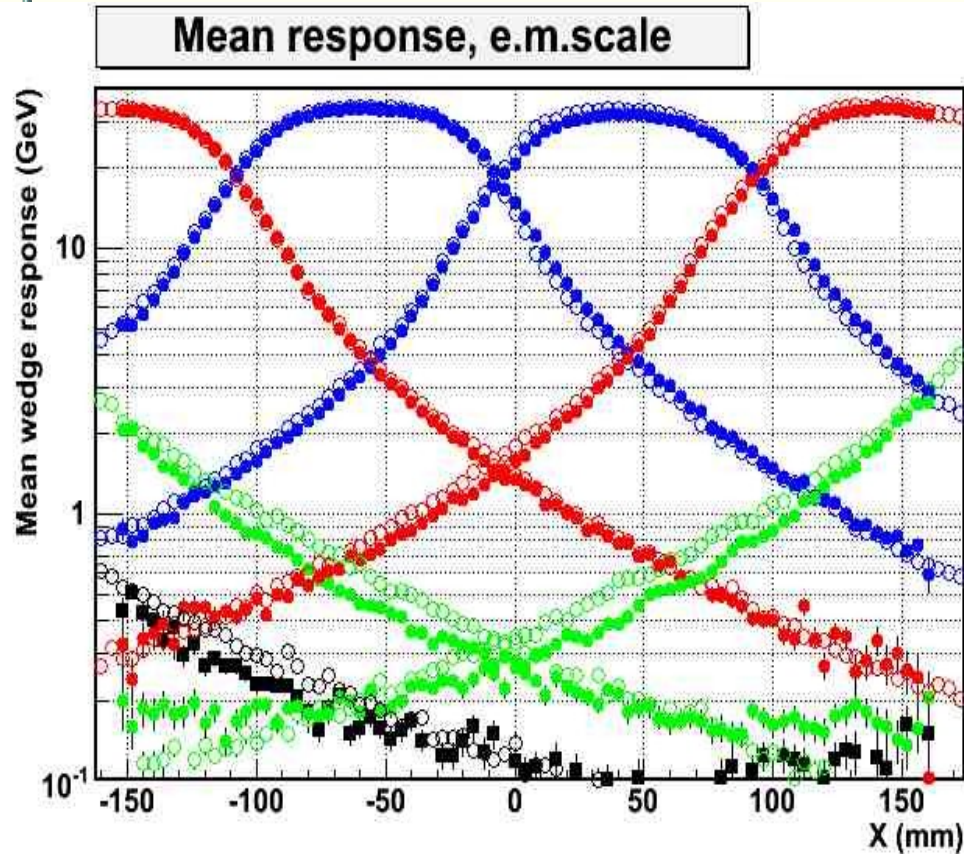
# CTB-EC2 MC News

- Lateral profiles, 60 GeV pions, energy summed per 0.2 phi strip (empty sumbols MC - QGSP_BERT)

# CTB-EC2 MC News

- Lateral profiles, 60 GeV pions, energy summed per 0.2 phi strip (empty symbols MC - QGSP_BERT)



Mean response, e.m.scale



Mean EMEC wedge response, e.m.scale



Mean HEC wedge response, e.m.scale

- Lateral profiles, 60 GeV pions, energy summed per 0.2 phi strip (empty symbols MC – QGSP_GN ), apparently some problems.

- But simulation is done with the same code, checked on two different machines, the only real difference if physics list, but no idea how such effect could occur