



E/Gamma Analysis Framework

Status Report

- Code Status.
- What has changed.
- Some first results.
- What to be next.

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May, 6th 2004

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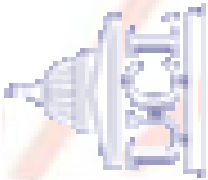


Code Status.

- The “renovated” code has been tagged to CVS:
TrigNtEgamma-00-00-24
- A team with Valeria (CERN), Andrew (RHUL) and Stathis (UCL) is now taking care for the updates of the code.

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What has changed.

- Remove all unnecessary lines. Re-organized.
- Can now read the new (8.0.0) data production: Big effort to account not only for the changing of the variables' names but also for their type. Change of the units has been applied to the code.
- Introduce the `SteeringFile.txt`. The user can switch between the different data-sets without having to built the code again.
- Histograms saved in file. There are examples on how to draw histograms.
- For some other details, please check at:
www.hep.ucl.ac.uk/~sstef/EGammaAnalysis.html



Some first results.

	Ver 6.0.4	Ver 7.0.2	Ver 8.0.0
Low Lumisosity – 25 GeV Begin with 4705 MC electrons			
After Level1:	100%	100%	100%
After Level2Calo:	98.92%	98.79%	98.94%
After Level2ID: (Online IDScan)	91.35%	89.45%	88.91%

ClusterThr: 20 GeV T2CaEt: 22.5 GeV
 EmRingIsol: 4 GeV T2CaRCore: 0.9
 HadRingIsol: 2 GeV T2CaERatio: 0.72
 HadCoreIsol: 2 GeV T2CaHadEt: 1 GeV
 Pt(track): 8 GeV

- Level2Calo improved....
- Still a problem at ID.
..Investigate
- Offline Algorithms haven't run at the ntuples I had for ver8. EventFilterID gives zeros.



What to be next.

- Update the package.
- **Validation** : Code + Production 8.0.0

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