



E/Gamma Analysis Framework

Status Report

- What's new.
- Some numbers.
- What to be next.

S. Stefanidis (UCL)

September, 2nd 2004

Efstathios (Stathis) Stefanidis
sstef@hep.ucl.ac.uk www.hep.ucl.ac.uk/~sstef



What's new.

- Current tagged version:

TrigEgammaAnalysis-00-00-09

(Sergey has spotted an important bug yesterday)

- Problems with some variables are now **fixed**. (until new come out..)
- Individual reconstruction algorithms for ID (SiTrack, IDScan, TrtLUT, TRTXkalman) can now run independently **in one go**. (see Sergey's implementation)
- There is an updated web-page for the package:

www.hep.ucl.ac.uk/~sstef/EGammaAnalysis.html

- o Reference point for the package.
- o Soon to be transferred at a place at CERN.
- o Feedback needed.

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Efstathios (Stathis) Stefanidis
sstef@hep.ucl.ac.uk www.hep.ucl.ac.uk/~sstef



Some numbers.

- Efficiencies w.r.t Level1 after normalization.
- Low Luminosity events.
- Including Sergey's correction.

	6.0.4	7.0.2	8.0.2
Level1	100%	100%	100%
Level2Calo	95.73%	91.42%	95.68%
Level2ID (IDScan)	92.25%	87.55%	91.66%
Level2IDCalo	90.03%	85.23%	89.01%
EFCalo	88.41%	83.50%	86.21%
EFID	83.47%	79.96%	78.60%
EFIDCalo	76.66%	74.58%	73.25%



What to be next.

Previous Goals...

A. TECHNICAL....

- Fix the problem with the **variables** and with any other bugs. ✓ **DONE**
- Check and include the **Monitoring Class** in the main package.
- Construct the **new web-page** dedicated to the e/gamma package. ✓ **DONE**

B. PHYSICS....

- Optimize **the cuts**. Few of them have been modified.
- Switch between **double/single** trigger object.
- What else??

Waiting for new production ntuples....