Status of paper on Michel electrons

Analysis on Michel electrons includes:

✓ Manual selection of events (slow)

✓ Automatic full **3D reconstruction** of the events

✓ Automatic full **calorimetric reconstruction** using muon tracks:

  ❖ calibration,

  ❖ T0 correction,

  ❖ electron lifetime correction,

  ❖ recombination

Analysis description to high level of detail reported as PhD dissertation

(available at http://pcicarus7.ethz.ch)

Diss. ETH No. 14946

First Study of the Stopping Muon Sample with the ICARUS T600 Detector

A dissertation submitted to the
Swiss Federal Institute of Technology Zürich

for the degree of
Doctor of Natural Sciences

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November 2002

Javier Rico-ETH
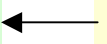
Status of paper on Michel electrons

- **Cross check** of a sub-sample by R. Dolfini in progress (51/250 events so far)

- 363 events included so far:

$\rho = 0.77 \pm 0.22$ (160 events)

$\rho = 0.82 \pm 0.16$ (363 events)

- Assuming a (realistic) scanning rate of **300 events/month**, the whole data sample scanning would be completed in **5/6 months**