



FP7 proposal

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5th Beta-beam task meeting, SU/MSL, Stockholm

<http://cern.ch/beta-beam>



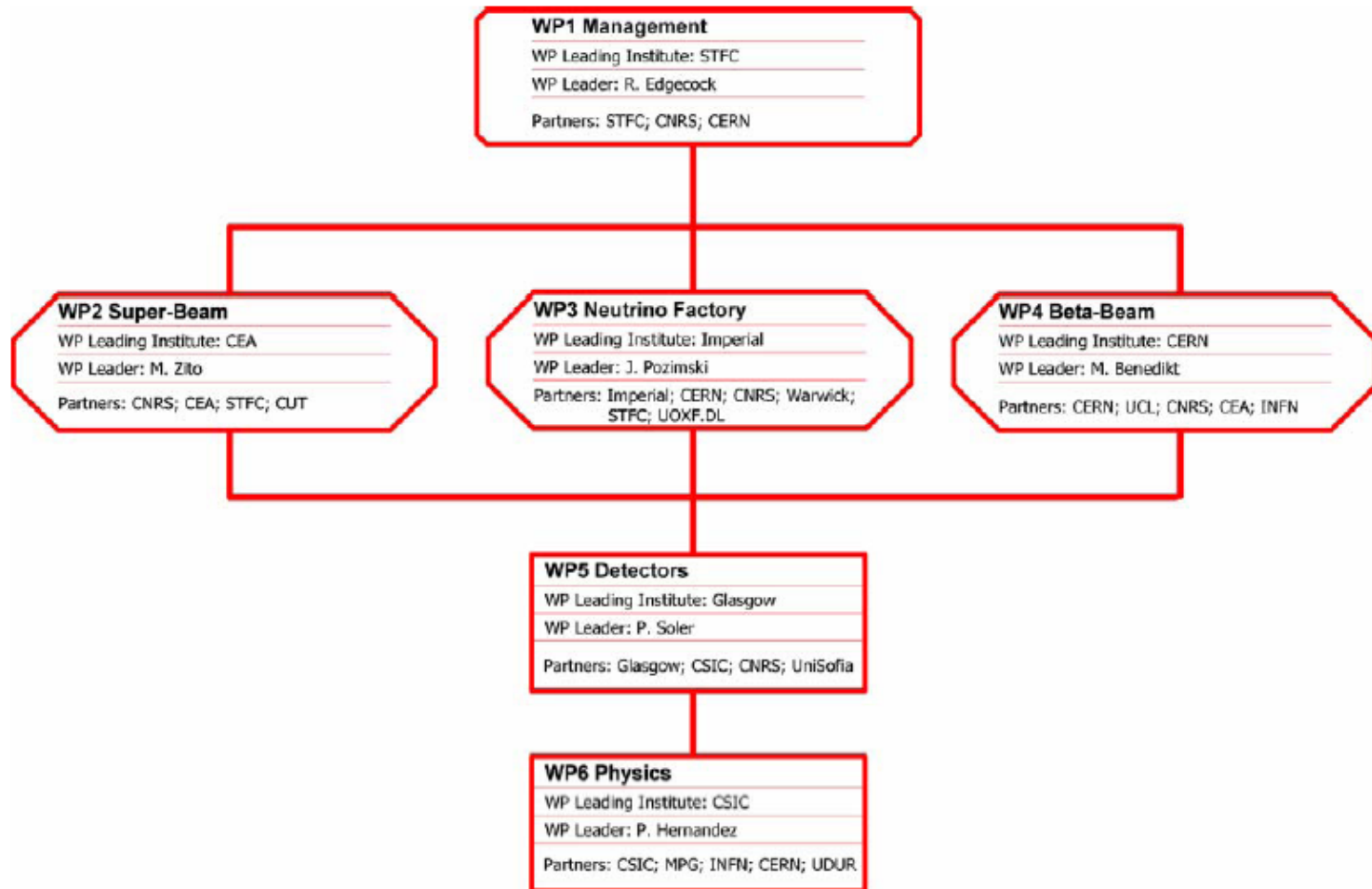
FP7 proposal

- EuroNu = Euro- ν
Conceptual design study:
 - The design study will review the three currently accepted methods to realize a neutrino facility ...
 - ... and do detailed studies of potential show stoppers, ...
 - ... **will perform a critical physics comparison of these facilities.**
 - ... including a cost estimate

- 6 work-packages
 - Management
 - **Super beam**
 - **Neutrino factory**
 - **Beta-beam**
 - Detector
 - Physics



EuroNu structure



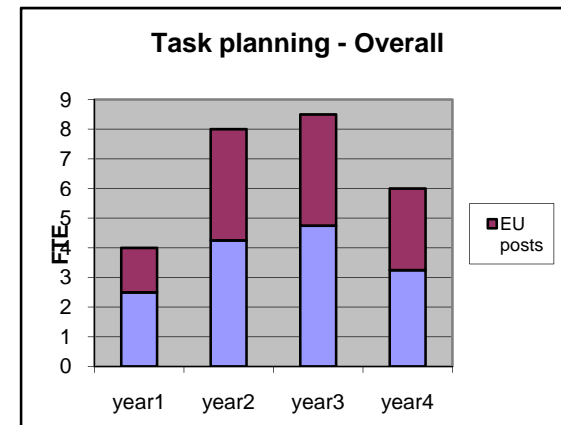


WP4 beta-beam

- Institutes: CEA, CNRS, INFN, CERN, UCL

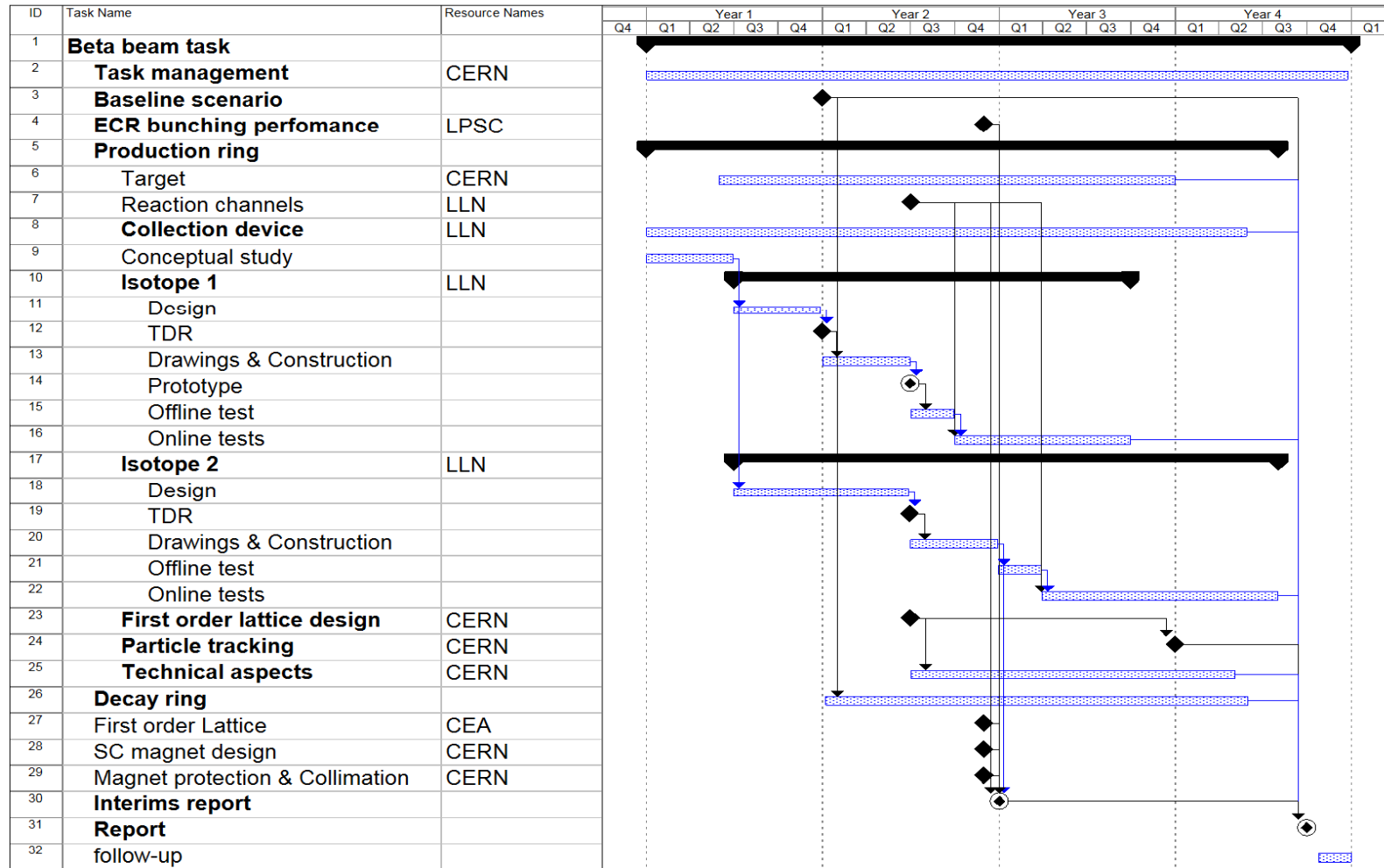
Effort:

- 70% on production ring
- 20% on decay ring
- 10% else and management





Beta-beam work programme





Budget

- FP7 total: 19 MEuro
 - Realistic request: < 5 MEuro/proposal

Proposal:

- EuroNu requested 4.8 MEuro
 - Typical return figure: 30%
- Total: 122 person-years
- WP4 beta-beam
 - 26 person-years
 - 3.7 (1.4) MEuro



Schedule

- Preparations started Jan 2007
- Proposal submission: 2nd May 2007
- Possible approval: July 2007
- EuroNu study: Spring 2008 – end 2011