

EURONU WP2: status and next steps

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Status

- We are at the beginning of the fourth and final year of the EURONU project
- We had a particularly successful year with the definition of a specific baseline for the target and horn, that meets the very challenging requirements
- The physics reach of the setup has been fully explored and is competitive, especially given the indications by T2K and MINOS

Documentation

- We had also a good record in terms of documenting our efforts with notes
- Andrea has prepared <http://arxiv.org/abs/1106.1096> (acc by Eur Phys J.)
- We have all contributed to our compendium note EUROnu-WP2-11-01 with the baseline setup

Organization

- We had two successful face-to-face meeting
- On top of regular monthly phone meetings
- Plus informal discussions (conferences, etc)

Next steps

- With the end of the Euronu project in less than 12 months, it is time to plan for the timely completion of the current studies as well as the additional efforts
- As well as documenting our findings
- It would be good to review the current status of our studies for : beam interface, target, horn, target station → round table discussion ?
- In particular the input for the safety and costing effort should be prepared

Final report

- I would like to propose an early final report summarizing all our studies
- With a target date towards the end of the year
- It would be based on our compendium (11-01)
- I would like to couple this effort with a face to face meeting in December or January

Format of the final report

- Introduction
- HP SPL
- Beam-target interface
- Target
- Horn
- Target station
- Optimization and simulation tools
- Physics sensitivity