



Beta-Beam Task Meeting

14. April 2005, CERN



Task Organisation



Parameter and steering group:

M. Benedikt, R. Edgecock, P. Spiller, S. Hancock, A. Källberg,
M. Lindroos, A. Müller, O. Napoly, J. Payet, A. Tkatchenko.

Coordination with other EURISOL Tasks, definition of low-energy parameters.

M. Lindroos

WP 1: Design of the low energy ring(s).

A. Tkatchenko

WP 2: Ion acceleration in PS and SPS and required upgrades of the existing machines including new designs to eventually replace PS and/or SPS.

M. Benedikt, P. Spiller

WP 3: Design of the high energy Decay Ring.

J. Payet



Goals for the meeting



Review of the base line scenario (6He, 18Ne, $\gamma=100$ for both).

- Identification of biggest problems, bottlenecks or too positive estimates and extrapolations.
- Identification of flexibility in the base line design.
- Information from linked EURISOL tasks (parameters, status, planning)
- Status of ongoing design work in the sub tasks.
- Discussion and conclusions on base line design.
- Work planning for the next months.



Programme



Introduction and Base Line Parameters		
09:00 – 09:10	Introduction	M. Benedikt
09:10 – 09:40	Ion intensities along the complete chain	M. Lindroos
09:40 – 10:00	Preliminary parameters (RCS to decay ring)	S. Hancock
10:00 – 10:20	Coffee	
Related EURISOL Tasks – Status and Planning		
10:20 – 10:40	60 GHz ECR source	
10:40 – 11:10	Strategy for the (beta-beam) post accelerator	P. Bertrand
11:10 – 11:40	Cyclotron as an alternative for post acceleration	B. Laune
11:40 – 12:00	Targets, parameters, status, planning	J. Lettry
12:00 – 13:30	Lunch, Restaurant 1, Glassbox	
Beta-Beam Sub Tasks – Status and Progress		
13:45 – 14:15	Preliminary considerations on the RCS option	A. Tkatchenko
14:15 – 14:45	Analysis of loss patterns for CERN machines	J. Stadlmann
14:45 – 15:15	Decay ring design status	J. Payet
15:15 – 16:00	Discussion and conclusions	all