Contribution to the SB/NF collector project
(Francis Osswald, IReS-Strasbourg)
physics baseline

- long term plan

see base line:
S. Gilardoni, NuFact Note 141, July 2004
Campagne et al., optimization for SB

A possible layout of a Low Energy Neutrino Super Beam
CERN horn prototype
a few details ...

ISS meeting, KEK Jan. 23-25 2006
Francis Osswald
IReS-Strasbourg joint BENE collector group since Oct. 2005

Goals:

• transfer CERN technology,
• install a local test bench,
• acquire a new power supply,
• realize performance and ageing tests,
• develop simulation tools and provide comparison with the experiment
• integration of the target (solid or liquid)
work in progress

• power supply design (find companies, collaborators, financing),
• set up the infrastructure and the local team,
• perform qualification tests of the simulation tool.
connexions

- BENE collaboration (WP4)
- CERN/AB
- ISS
- IN2P3
- European laboratories and EuroMagNet
- software-hardware suppliers