

WP8

WP 8 (RTD) Improvement and equipment of beam & Irradiation lines Hans Taureg , Edda Gschwendtner

8.1 : Test beams at CERN and Frascati

- ❖ CERN test beams (Hans+Edda)
 - Improve PID, provide for CLIC/LC spill structure, extend available particle types, adapt available momentum range
- ❖ Frascati test beam (Francesco Forti)
 - Electron and tagged photon beam
 - Characterize beam and install equipment for permanent monitoring

WP8, cont. 1

8.2: Upgrade of proton & neutron irradiation facilities at CERN

M.Moll

- Upgrade of PS facility
- Build splitter magnet to serve two beam lines in //
- Install infrastructure for tests: cold box, scanning tables
- Partners: CERN, some British universities

WP8, cont. 2

8.3 : General beam line equipment : Ilias/Edda/Hans

- provide permanent beam tracking telescope, trigger devices and logic, cooling systems (including cryogenic)s for detector tests, scanning tables for tracking and calorimeter tests
- Partners: CERN, ?

8.4 Stand-alone detector equipment for beam tests

- Put this into WP10.2