

The CNGS facility: status and outlook by K. Elsener

The CNGS facility is under construction and is scheduled to deliver first beam for the $\nu_{\mu} - \nu_{\tau}$ oscillation experiment in spring 2006. An overview of the facility will be given and the progress of the works summarized. The expected performance of CNGS (“nominal beam”) will be described and the measures decided in 2001 to prepare the facility for higher intensities outlined. Limitations for instantaneous proton beam intensities (per extraction, cf. thermomechanical shocks) and for integrated beam intensities (per year, cf. heating/cooling, radiological issues) will be given. Finally, some comments will be added concerning published proposals on future beams in CNGS (e.g. lower energy neutrinos, off axis beam).