

**The SLS Test Facility - First Results**, D. DOHAN, M. HORVAT, A. JAGGI, P. MARCHAND, L. RIVKIN, V. SCHLOTT, H. SIGG, A. STREUN, W. TRON, J.A. ZICHY, PSI - The SLS test facility is a 50 MeV S-band linear accelerator, consisting of a thermionic RF-gun, magnetic bunch compression (alpha-magnet) and a 50 MeV LINAC. It serves as a testbed for the development of diagnostic devices for the SLS and is capable of providing ultra short pulses for spectroscopic applications. In this paper we report about the commissioning of the SLS test facility and the complete characterisation of the electron beam including current, energy, energy spread, emittance and bunchlength.