

CERN West Area Neutrino Facility Beam Alignment, G. CATANESI, Bari Univ., V. FALALEEV, S. PERAIRE, G. DE RIJK, E. TSESMELIS, CERN, H. PLOTHOW-BESCH, Dortmund Univ., S. TOVEY, L. WINTON, Melbourne Univ., V. PALLADINO, Naples Univ., A. GUGLIEMI, Padova Univ./INFN - This papers describes the alignment of the West Area Neutrino Beam Line at CERN to the two neutrino experiments CHORUS and NOMAD. The T9 neutrino target position and the position of the magnetic horn were optimised using the secondary muon intensity profile data from the muon pits in the shielding. In the experiments the improved geometry provides a better centred beam (<5 cm) and a measured increase in the neutrino flux of 7%.