

Initial Operation of the Electromagnetic Elliptical Wiggler in ELETTRA, B. DIVIACCO, L. TOSI, R.P. WALKER, D. ZANGRANDO, Sincrotrone Trieste - An electromagnetic elliptical wiggler for the generation of circularly polarized light has been installed in the 2.0 GeV synchrotron light source ELETTRA. This paper presents the results of the measurements of the effects of the wiggler on the electron beam, which include tune shifts, lattice optical distortions, effects on the closed orbit and dynamic aperture, in both static and dynamic operational modes. Comparisons with theory and simulations are also presented.