

Linear lattice for the LSB Storage Ring,
M. MUNOZ, Laboratori Llum Sincrotró, Bellaterra,
08193 Barcelona, Spain - The LSB will be a third
generation light source working at an energy of
2.5 GeV. The machine will be composed of 12
identical cells with a total circumference around 250
meters. The lattice chosen is a TBA lattice with a
quadrupolar component in the bending magnets. This
lattice provides a low emittance and offers good
potential for future upgrades (use of superconducting
dipoles, higher energy). In this paper we describe the
linear lattice used and discuss other issues, such as
closed orbit correction, emittance coupling control, and
upgrading the machine by replacing the central dipole
of some cells with superconducting ones.