

TBA and DBA Magnet Lattices for Tau Charm Factory, P. BELOSHITSKY, JINR - Magnet lattice designs of tau-charm collider, based on use of TBA and DBA cells in arcs are considered in this paper. To fulfil requirements of tau-charm physics each lattice provides two modes of collider operation. One is standard with conventional scheme at interaction point and high emittance. Other provides monochromatization at interaction point and requires small emittance. It is shown that both TBA and DBA lattices allow to get emittance in wide range from 10 nm up to 400 nm. Careful choice of arc cell tune, as well as arc design as whole was made to make chromaticity correction easier. Details of chromaticity correction for both TBA and DBA lattices for high and low emittance mode are considered. As a result, comparison of collider parameters for TBA and DBA lattices is performed.