

A Lattice for the Future Project of VUV and Soft X-Ray High Brilliance Light Source, Y. KAMIYA, H. TAKAKI, ISSP Tokyo University; Y. KOBAYASHI, KEK - A third-generation VUV and soft X-ray ring with a low emittance of several nm-rad is being designed at the Institute for Solid State Physics (ISSP) of the University of Tokyo, in close collaboration with the Photon Factory of KEK. The proposal for constructing the light source facility is now in preparation to submit to the government. The designed storage ring has an energy of 2 GeV, a circumference of about 400 m, an emittance of less than 5 nmvrad, four 12.5-m long straight sections and twelve 7-m semi-long straight sections. We present the lattice design of the ring, the chromaticity correction and the dynamic aperture.