



Institute of High Energy Physic Chinese Academy of Sciences

BEPC is composed of the linear injector, the storage ring and the Beijing Synchrotron Radiation Facility. It is a collider with the highest luminosity in this energy region in the world up to now. It is used for the study of charmonium and its decay and τ physics. It can also serve as a SR light source to provide VUH to hard X ray for the study of physics, biology, chemistry and applications in other inter-disciplines. Thus the design goal of "one machine for two purposes" is met.



the BEPC injector



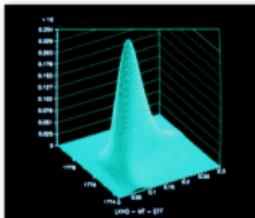
an arc section of the storage ring



the aerial view of BEPC



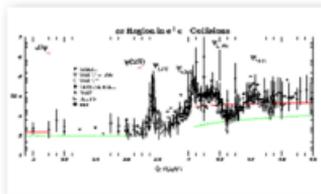
Beijing Spectrometer



the 3-dimensional figure of the maximum likelihood as a function for τ mass and detecting efficiency



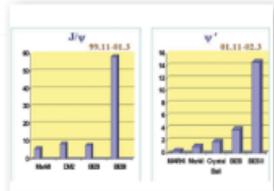
annual distribution of machine hours of BEPC operation



Physics analysis was accomplished of R values obtained at 85 energy points in 2-5 GeV with the precision increased by 2-3 times.



4W2 insertion device installed in vacuum chamber



BES has the largest J/ψ and ψ' database that is bigger by one magnitude as against laboratories of the same kind in the world.