

THE IMPROVEMENT OF BEAM DIAGNOSTIC SYSTEM AT HIRFL

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Along with the continual improvement of HIRFL running level, the requirement for beam diagnostic system becomes higher. Specially, the construction of CSR in the near future will have much higher requirement to HIRFL (such as: the maximum beam intensity, the fast and exact measurement, the intuitive and convenient operation, and the more reliable etc.). For the purpose we have improved parts of beam diagnostic system and will begin the further update in order to meet the demand of running HIRFL-CSR system. We had finished the update of beam intensity measurement of SFC and SSC. Now, the speed and accuracy of measuring beam distribution along radial and axial have been improved obviously. The non-interceptive beam intensity measurement system is being developed.