

Generic Configuration Management System for Documentation and On-line Beam Optics Applications in the CERN PS Complex, B. AUTIN, V. DUCAS, O. JENSEN, A. KAZYMOV, M. LINDROOS, J. SCHINZEL and E. WILDNER, CERN - The new CERN ORACLE based Generic Configuration Management System (ACCIS) is being used for the description and documentation of the PS complex particle accelerators. Following the object oriented design of the database, the accelerator elements are defined in ACCIS as components of a certain class. The layout of the machine is described in a hierarchical structure in which the components are linked to each other. The communication between the database and other programs is done with application dependent "filters". One of these filters will provide the reference input data to a beam optics program (Beam Optics). The reference data can also be updated with the actual current settings. We will here discuss i) experience gained in analysing and describing the PS Booster, ii) the linkage of application programs to the database and iii) a generic beam optics application using the database.