

Computer Controlled Beam Alignment for the GSI Therapy Project, B. FRAN CZAK, GSI Darmstadt

- The GSI therapy project demands exact beam positions in front of the irradiation place for a large amount of individual beam energies. Beam corrections for all required energies are rapidly performed by means of the beam simulation program MIRKO, that automatically determines adjustments in steerer settings due to a mismatch between actual and defined optimal beam positions. Beside the application for the therapy project this program is also used to optimize the beam properties (beam position and focusing) both in experimental beam lines and ring structures.