

Calculation of the scanning magnets for operation of extracted ion beam

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To operate the angle of exit of the extracted ion beam, it is necessary to create a magnetic field changing with a frequency of up to 200 Hz. For this purpose the fast scanning magnets were developed and optimized to obtain a given irradiation field extracted ion beam. The shape of the poles is optimized to eliminate heating by eddy currents. Calculation of scanning magnets and magnetic field investigation. Calculations were performed in the COMSOL program.

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