

Status of the magnetic measurements for the MedAustron project

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MedAustron is a cancer treatment and research facility that is currently under construction in Austria. The whole project requires in total 265 magnets of 20 different types all to be magnetically measured at CERN and in industry. This paper summarizes the status of the magnetic measurements at CERN and describes the applied measurement techniques. We focus on the measurements of the synchrotron main dipoles, which are the most demanding magnets in terms of measurement procedure, accuracy and schedule. Furthermore we discuss the pole-end shimming to achieve the required final field quality.