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SC-200 cyclotron project

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According to the agreement between the Institute of Plasma Physics (IPP) of the Chinese Academy of Sciences in Hefei (China) and Joint Institute for Nuclear Research, Dubna, (Russia), the project of a superconducting isochronous cyclotron for proton therapy SC200 is developed at JINR. The cyclotron will provide acceleration of protons up to 200 MeV with maximum beam current of 1 μA . We plan to manufacture in China two cyclotrons: one will operate in Hefei cyclotron medical center the other will replace Phasotron in Medico-technical Center (MTC) JINR Dubna and will be used for further research and development of cancer therapy by protons.

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