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Design and development of conduction cooled MgB₂ magnets for 1.5 and 3.0T full body MRI systems

Thursday 31 August 2017 13:45 (1h 45m)

Hyper Tech will report on progress that has been made on designing helium-free MgB₂ magnets for 1.5 and 3.0 T full body MRI systems, including mechanical, thermal and quench protection analysis, conductor development, jointing, and prototype test coil characterization and measurements. As an addendum, the development of low AC loss MgB₂ conductors for motors and generator will be presented.

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