

Session Program

1-6 Jul 2025



MT29 Abstracts and Technical Program

Fri-Mo-Po.04 - Magnets for NMR

Omni Boston Hotel at the Seaport
450 Summer Street Boston, MA 02210

Friday 4 July

09:30

Fri-Mo-Po.04 - Magnets for NMR

Poster Session | **Location:** Ensemble Ballroom, Level 2 | **Conveners:** Vijay Soni, Bin He

Fri-Mo-Po.04-09: Experimental validation demonstrating cryogen-free technology for high resolution solid- and liquid-state NMR.

Speaker

Dr Darko Bracanovic

Fri-Mo-Po.04-08: Design and Testing of Bi-2212 High-Temperature Superconducting Shim Coils for Extremely High Field NMR

Speaker

Haotian Miao

Fri-Mo-Po.04-07: Design of a concentrically arranged joint-less HTS solenoid magnet with persistent current switch for NMR applications

Speaker

Dr Miyeon Yoon

Fri-Mo-Po.04-06: An Improved Target Field Method for Cylindrical Shim Coils Optimization in NMR Systems

Speaker

Xunhuang Jiang

Fri-Mo-Po.04-05: Development of Bi-2212 shim coil for extremely high field high-temperature superconducting NMR magnets: design, construction, and testing results

Speaker

Prof. Zili Zhang

Fri-Mo-Po.04-04: 400 MHz all REBCO NMR magnet: design, optimization, and construction

Speakers

Mr Shuai Hu, Huajun Liu

Fri-Mo-Po.04-03: Design and Optimize of Gradient and Shim Coils for 1T Halbach Magnets

Speaker

Li Tong

Fri-Mo-Po.04-01: Construction and Test Results of a Cryogen-Free, Iron-Shielded 23.5-T REBCO Magnet for Benchtop 1-GHz NMR Spectroscopy

Speaker

Dr Dongkeun Park

Fri-Mo-Po.04-02: Adaptive ferromagnetic shim design technique using recursive linear programming to reduce the manufacturing complexities

Speaker

Minchul Ahn

11:15