

## Session Program

22-27 Sept 2019



**MT 26**  
**International Conference  
on Magnet Technology**  
*Vancouver, Canada | 2019*

# **MT26 Abstracts, Timetable and Presentations**

## ***Mon-Mo-Po1.04 - High Field Magnets for Future Colliders***

Hyatt Regency Hotel Vancouver  
655 Burrard Street Vancouver, British Columbia, V6C 2R7 Canada

# Sunday 22 September

09:15

## Mon-Mo-Po1.04 - High Field Magnets for Future Colliders

Poster Session | Location: Level 2 Posters 1 | Conveners: Friedrich Lackner, Qingjin XU

**Mon-Mo-Po1.04-11 [43]: Presentation withdrawn**

**Mon-Mo-Po1.04-06 [40]: Presentation withdrawn**

**Mon-Mo-Po1.04-15 [47]: Mechanical analysis and measurements of MQXFS6, the fifth short model of the Nb3Sn Low- $\beta$  Quadrupole for the Hi-Lumi LHC**

**Speaker**

Giorgio Vallone

**Mon-Mo-Po1.04-02 [36]: 3D mechanical Analysis of the Block-coil Dipole option for the future Circular Collider**

**Speaker**

Mr Chhon Pes

**Mon-Mo-Po1.04-03 [37]: Engineering Design and Digital Twin of the Nb3Sn 16T main dipole magnet of the FCC accelerator**

**Speaker**

Mr Charilaos Kokkinos

**Mon-Mo-Po1.04-04 [38]: Electromagnetic and mechanical study for the Nb3Sn bending dipole short model for FCC**

**Speaker**

Riccardo Umberto Valente

**Mon-Mo-Po1.04-05 [39]: Quench protection study for F2D2, the Flared-end Block Dipole Demonstrator for the Future Circular Collider**

**Speaker**

Dr Valerio Calvelli

**Mon-Mo-Po1.04-08 [41]: Investigations into the preliminary Future Circular collider 16 Tesla dipole cryostat design.**

**Speaker**

Zoe Marie Townsend

**Mon-Mo-Po1.04-10 [42]: Design of an 18 T arc dipole for an LHC energy doubler**

**Speaker**

Peter McIntyre

**Mon-Mo-Po1.04-12 [44]: Mechanical behavior of a dipolar support structure for sextupole-in-solenoid Magnet during assembly, cool-down and warm-up processes**

**Speaker**

Beimin Wu

**Mon-Mo-Po1.04-13 [45]: Fabrication and High-field Performance of the First Iron-Based Superconductor Racetrack Coil**

**Speaker**

Dr Zhan Zhang

**Mon-Mo-Po1.04-14 [46]: Mechanical Design, Assembly and Strain Measurement Results of LPF2: a 12-T Hybrid Common-coil Dipole Magnet**

**Speaker**

Yingzhe Wang

11:15