

ICEC27-ICMC 2018

Tuesday 04 September 2018

E-08 - Large scale cryogenics: fusion reactors, accelerators, superconducting cavities and detectors (11:00-12:20)

time	[id] title	presenter
11:00	[15] E-08: 53 - Cryogenic systems for a PrFeB-based cryogenic permanent magnet undulator at TPS	
11:20	[16] E-08: 54 - Concept for the cryo distribution system of the Wendelstein 7-X cryo vacuum pumps	
11:40	[17] E-08: 59 - Design, construction and commissioning of the proximity cryogenics systems serving two large-scale prototypes of the future DUNE neutrino detector.	
12:00	[18] E-08: 61 - Engineering conceptual design of the CFETR cryogenic system	

E-08 - Large scale cryogenics: fusion reactors, accelerators, superconducting cavities and detectors (14:30-15:50)

time	[id] title	presenter
14:30	[39] E-08: 81 - Hydraulic adjustment of the two-phase helium forced flow cooled superconducting magnets of the SIS100 heavy ion synchrotron for FAIR	
14:50	[40] E-08: 109 - Conceptual design of cryogenic system for comprehensive research facility for key fusion reactor core systems	
15:10	[41] E-08: 154 - Refrigerator and liquefaction system supplied by Linde Kryotechnik for IHEP's PAPS SRF Facility	
15:30	[42] E-08: 155 - 4.5 K Refrigerator Cold Box System for the Facility for Rare Isotope Beams (FRIB) at Michigan State University (MSU)	

Wednesday 05 September 2018

E-08 - Large scale cryogenics: fusion reactors, accelerators, superconducting cavities and detectors (11:00-12:30)

time	[id] title	presenter
11:00	[63] E-08: 156 - Quench detection of SRF cavities using He2* molecular tracer-line tracking technique in superfluid helium	
11:20	[64] E-08: 159 - Superfluid Helium Cooling and Compact Heat Exchanger for HL-LHC D2 Recombination Dipoles	
11:40	[65] E-08: 162 - Heat source localisation by trilateration of helium II second sound detected with transition edge sensors thermometry	
12:00	[66] E-08: 186 - Progress of PAPS cryogenic system	

E-08 - Large scale cryogenics: fusion reactors, accelerators, superconducting cavities and detectors (13:30-16:00)

time	[id] title	presenter
13:30	[89] E-08: 199 - Commissioning of the SuperKEKB final focusing SC magnet cryogenic systems	
13:55	[90] E-08: 201 - Thermodynamic cycle design for a 700W@3K sub-cooled helium refrigerator test facility	
14:20	[91] E-08: 249 - Overview and status of the Long-Baseline Neutrino Facility cryogenics system	
14:45	[92] E-08: 250 - Experimental and numerical investigations of operational parameters of TRIUMF's cyclotron cryogenic system	
15:10	[93] E-08: 287 - Cryogenic system for the SCLF cryomodule test facility	
15:35	[94] E-08: 317 - Final commissioning of the helium cryogenic system for the HIE-Isolde project including four RF cryo-modules	

Thursday 06 September 2018

E-08 - Large scale cryogenics: fusion reactors, accelerators, superconducting cavities and detectors (09:30-10:30)

time	[id] title	presenter
09:30	[118] E-08: 325 - Options for a reliable cryogenic supply for the FAIR facility	
09:45	[119] E-08: 349 - Conceptual design of the DTT magnets cooling loops	
10:00	[120] E-08: 354 - Cryogenic supply for the facility for antiproton and ion research	
10:15	[121] E-08: 376 - Preliminary conceptual design of FCC-hh refrigerators: Linde evaluation	