

FCC Week 2019

Tuesday 25 June 2019

FCC-hh accelerator (EuroCirCol): Machine design WP2 (1) - Ballroom I (08:30-10:00)

-Conveners: Massimo Giovannozzi

| time | [id] title | presenter |
|-------|--|---------------------------|
| 08:30 | [539] Lattice integration | Dr CHANCE, Antoine |
| 08:48 | [540] Correction schemes | BOUTIN, David |
| 09:06 | [501] Field Quality at injection for FCC-hh | DALENA, Barbara |
| 09:24 | [527] FCC-hh single beam intensity limitations and cures | BOINE-FRANKENHEIM, Oliver |
| 09:42 | [487] Impedance budget and stability | ARSENYEV, Sergey |

FCC-hh accelerator (EuroCirCol): Machine design WP2 (2) - Ballroom I (10:30-12:00)

-Conveners: Barbara Dalena

| time | [id] title | presenter |
|-------|--|--------------------|
| 10:30 | [488] FCC-hh: Longitudinal beam dynamics and RF requirements | Dr KARPOV, Ivan |
| 10:45 | [541] Electron cloud | METHER, Lotta |
| 11:00 | [612] Status of FCC-hh collimation studies | BRUCE, Roderik |
| 11:15 | [542] Collimation inefficiency | MOLSON, James |
| 11:30 | [681] Cold losses and deposited power density | VARASTEH, Mohammad |
| 11:40 | [478] Thermo-mechanical studies of collimator robustness | GOBBI, Giorgia |

FCC-hh accelerator (EuroCirCol): Experimental Insertion Region design WP3 (1) - Ballroom I (13:30-15:00)

-Conveners: Antoine Chance

| time | [id] title | presenter |
|-------|---|------------------------|
| 13:30 | [544] Optics | MARTIN, Roman |
| 13:48 | [545] Alternative optics | VAN RIESEN-HAUPT, Leon |
| 14:06 | [546] Beam-Beam effects | PIELONI, Tatiana |
| 14:24 | [547] Dynamic aperture Studies | CRUZ ALANIZ, Emilia |
| 14:42 | [606] Energy deposition in the FCC-hh EIR | HUMANN, Barbara |

FCC-hh accelerator (EuroCirCol): Experimental Insertion Region design WP3 (2) - Ballroom I (16:30-18:00)

-Conveners: Tatiana Pieloni

| time | [id] title | presenter |
|-------|--|------------------|
| 16:30 | [516] Synchrotron radiation backgrounds in the experimental insertion region of the FCC-hh | BOSCOLO, Manuela |

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|-------|---|------------------------|
| 16:45 | [528] Low luminosity interaction regions | HOFER, Michael |
| 17:00 | [549] Injector Design | BORBURGH, Jan |
| 17:15 | [550] Injection and extraction insertions | CHMIELINSKA, Agnieszka |
| 17:30 | [543] Ion option for FCC-hh | SCHAUMANN, Michaela |
| 17:45 | [682] FCC-hh heavy-ion collimation | ABRAMOV, Andrey |

Wednesday 26 June 2019

FCC-hh accelerator (EuroCirCol): Cryo-beam vacuum design WP4 (1) - Ballroom II (08:30-10:00)

-Conveners: Roberto Kersevan

| time | [id] title | presenter |
|-------|--|-------------------|
| 08:30 | [496] Study on the beam induced vacuum effects in the FCC-hh beam vacuum chamber | BELLAFONT, Ignasi |
| 08:50 | [609] Material properties of relevance to cryogenic vacuum systems | SPALLINO, Luisa |
| 09:10 | [637] R and PY from candidate materials for the FCC-hh Vacuum system. | CIMINO, Roberto |
| 09:30 | [553] Photo desorption studies at the WINDY set-up at LNF | ANGELUCCI, Marco |

FCC-hh accelerator (EuroCirCol): Cryo-beam vacuum design WP4 (2) - Ballroom II (10:30-12:00)

-Conveners: Sara Casalbuoni

| time | [id] title | presenter |
|-------|---|------------------------------|
| 10:30 | [675] Evaluation of LASER ablated surface engineering of copper and stainless steel for particle accelerators | VALIZADEH, Reza |
| 10:50 | [457] Recent Results on NEG Coating Characterisation | SIRVINSKAITE, Ruta |
| 11:10 | [502] Photodesorption Studies on FCC-hh Beam Screen Prototypes at KARA | GONZALEZ GOMEZ, Luis Antonio |
| 11:30 | [554] Update of the design and thermal mechanical study of the FCC-hh beam screen | MORRONE, Marco |

FCC-hh accelerator (EuroCirCol): 16 Tesla magnet WP5 (1) - Vision (13:30-15:00)

-Conveners: Alexander Zlobin

| time | [id] title | presenter |
|-------|---|------------------------|
| 13:30 | [555] Evolution of the block-coils design | Dr ROCHEPAULT, Etienne |
| 13:50 | [463] Evolution of the canted costheta (CCT) design | AUCHMANN, Bernhard |
| 14:10 | [556] Evolution of the common-coils design | TORAL, Fernando |
| 14:30 | [557] Evolution of the costheta design | FARINON, Stefania |

Thursday 27 June 2019

FCC-hh accelerator (EuroCirCol): 16 Tesla magnet WP5 (2) - Ballroom II (08:30-10:00)

-Conveners: Antti Aleksis Stenvall

| time | [id] title | presenter |
|-------|---|------------------------|
| 08:30 | [558] Cost model | SCHOERLING, Daniel |
| 08:50 | [649] Magnets quench protection | Dr SALMI, Tiina |
| 09:10 | [603] Main quadrupoles for the FCC | LORIN, Clement |
| 09:30 | [492] Industrialization of 16T Nb3Sn magnet production for HE-LHC and FCC | Mr CHAKRABORTI, Ananda |