

FCC RF R&D Coordination Meeting 2

Olivier Brunner, 11/11/2015

Agenda of the day

- Minutes approval, follow-up from last meeting (O. Brunner) 10'
- Report from coordinator (E. Jensen) 10'
- Progress reports from all task leaders 20'
- Report from fellow activities 5'
- Specific reports
 - SRF R&D Program at CERN (FCC & others) (K. Schirm) (15')
- Tour de table 15'
- AOB 5'

Next meetings: December 9



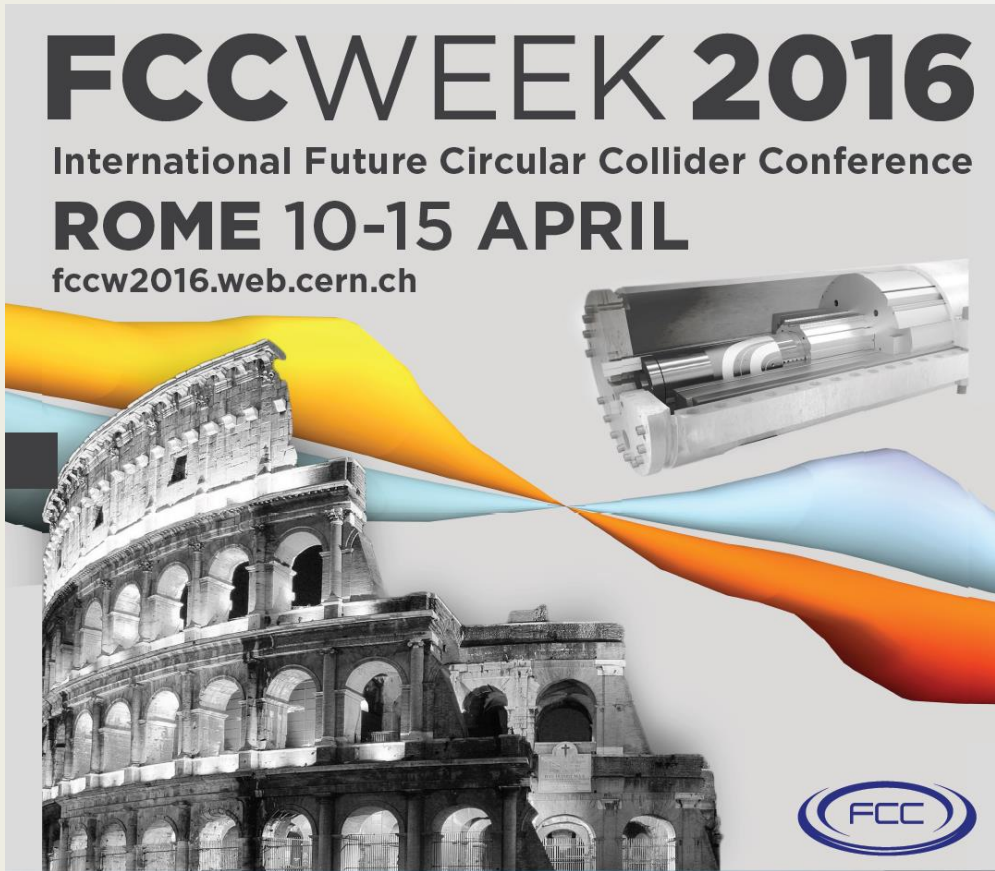
FCC Week
FCC M66K

FCCWEEK 2016

International Future Circular Collider Conference

ROME 10-15 APRIL

fccw2016.web.cern.ch



- Everyone is encouraged to motivate partners to participate and contribute to the programme (at their own cost, there will be no financial contribution from the FCC project.)
- Global invitation ?? e.g based on last year participants list?

Preliminary list of participants



- WP leaders:
- Paolo Chiggiato
- Rama Calaga
- Walter Venturini
- Karl Schirm
- Wolfgang Hofle
- Igor Syrathev

- Erk Jensen
- Sarah Aull (talk?)
- Olivier Brunner
- Akira Miyazaki (PH dpt)
- Gerd Kotzian or Daniel Valuch (talk?)
- Elena Chapochnikova (talk?)
- Philippe Baudrenghien (talk ?)
- More young people? (Mathieu? Nikolai?)

- EN-MME (tbc by Francesco)
- Said Atieh
- Ofelia Capatina
- Francesco Bertinelli

- TE-VSC (ok with Paolo, to be checked with Miguel)
- Sergio Calatroni TE-VSC
- Mauro Taborelli TE-VSC
- Guillaume Rosaz TE-VSC
- Paolo Chiggiato TE-VSC
- Alban Sublet TE-VSC

Preliminary list of talks 1/2

- WP 1: no feedback from Paolo (yet)
 - Status of the collaboration - Paolo/Sergio
 - Advances on Nb/Cu coatings / rapid forming of cavities- Enzo
 - STFC - Oleg?
- WP2:
 - RF requirements for the FCC-hh option - Elena
 - SRF for FCC_hh/ee/he - Rama
 - Cavity optimization for the FCC_ee - Shahnam Gorgi Zadeh (Uni Rostock)
- WP 3: Walter/Sarah
 - Nb3Sn: overview over all Nb3Sn activities in SRF (Cornell, FNAL and CERN). someone from the material side (in contrast to cavity testers); maybe Gregori Eremeev? I am not sure who are the material experts at Cornell...
 - N-doping: Yulia Trenikhina to talk about nanohydride formation in N doped cavities. This was in the very beginning in Whistler; maybe they have more in April. Or you invite Anna Grassellino; but then I would insist of focussing on the experience with low frequency cavities. And I would really like to see 4 K data not always 1.5 or 2K...
 - • Advances in multilayers would be interesting as well – I am not sure though if here is significant progress within these few month. Maybe check with Anne-Marie and/or Claire.
- WP 4: no feedback from Karl (yet)
 - Cavity hydro-forming at CERN (TE/MME)

Separate session?

Session 1:
WP 2 & WP6

Session 2:
WP 3

Preliminary list of talks 2/2

- WP 5: no feedback from Karl (yet)
 - talk from CEA Saclay on CM assembly, perspectives, dreams? limitations? How to keep the performances in the CM environment (e.g. vertical vs horizontal tests)
 - talk from JLab on modular CM (if something new?)
 - talk from LCLS2 CM ? (e.g. how to master thermal cycles)
 - review on recent developments of CM architecture ? (integration magnetic shielding, power couplers, HOMs, thermal cycles..) - Frank?
- WP 6:
 - Experience gained with the LHC LLRF system and perspectives for FCC_hh - Philippe
- WP 7: Igor as WP leader?
 - status of HEIKA - Igor
 - talk on kladistron (Frank or Thales or PHD student)
 - talk on 400 MHz super efficient IOT?
 - talk on solid state advances ?

Session 3:
WP4&5

Session 4: