INC section – general information
09.03.2022
H. Bartosik
Welcome to newcomers to INC section meeting

INC (Incoherent Effects)
SL: H. Bartosik

Staff
- F. Antoniou
- F. Asvesta
- I. Efthymiopoulos
- D. Gamba
- S. Kostoglou
- G. Sterbini
- G. Iadarola (50%)

Students
- E. Lamb (DOCT)
- I. Mases Sole (FTEC)
- T. Prebibaj (DOCT)
- N. Triantafyllou (DOCT)
- M. Zampetakis (DOCT)

Fellows
- K. Paraschou (50%)
- A. Poyet

+ external collaborators

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Covid related matters

- CERN is in “Level 2” (yellow) – updated absence management table
  - On-site presence by default, up to 40% teleworking over any 2 week period
  - Double occupancy of shared offices should be avoided if possible, otherwise usual sanitary measures (distancing, wearing of masks and ventilation)
  - On case-by-case basis, up to 60% teleworking can be granted exceptionally (in agreement with supervisor) if situation requires
General information

- **Ukraine conflict**
  - strong condemnation of Russia's invasion of Ukraine
  - Russia’s Observer status to the Council is suspended
  - New collaborations with Russian institutes will not be undertaken
  - Collaboration between CERN and the Russian scientific community on ongoing projects is maintained, for the time being.
  - Website for solidarity to Ukraine: https://home.cern/solidarity-ukraine
  - Donations by personnel will be matched by CERN budget

- **Call for TECH and DOCT project proposals**
  - Please send them to me by tomorrow, so I can send them to Yannis by Friday

- PhD student checklis document has been updated – (future) supervisors please check it

- **News on “jardin de particule” (crèche, school):**
  - subsistence renewed at the same level as before, registration starts this week
Update on meeting rooms

- Meeting rooms in our building are now equipped with electronic card reader
- To use them, please “update” your CERN badge at the station next to the PS cafeteria (see picture) – more details at this link
Injector news

- Very good progress with injectors beam commissioning
  - PSB successfully performed beam based alignment, now working on bringing all physics users to specs
  - Good progress in the PS, already delivering indiv and core-MTE beam to SPS
  - SPS had first beam on Monday, now already in beam based alignment

IEFC on 25/02/2022
- Injectors Draft Schedule for 2022
  - Draft version v0.8 was approved: rs20210225_2022-DraftInjectorsSchedule-v0.8.pdf
  - Significantly reduced “long parallel” MDs in SPS
  - Also ”normal parallel MDs” in SPS now only on Monday and Tuesday
- Review of the BI.BSW failures since LS2
  - Interesting for PSB team
LHC & HL-LHC news

- **LBOC**
  - operational implementation of knobs to correct tune shift from wire

- **LMC** on 02/03/2022 – see Yannis’ notes
  - Update on Point 4 Water Pollution: Contamination was found to be from fine particles of thin powder of resins, cannot be retained by filters
  - Report from Chamonix Workshop
    - CMAC questions: all answered with "Yes" (injector performance, Run3, beam commissioning plans, potential Run3 limitations, Triplet mitigations)
    - Levelled luminosity with constant (2022) or crossing angle levelling at the BBLR limit (2023-2025), with good beta* granularity for experiments
    - CMAC recommendations (Levelling schemes control & Global optimisation of DA with octupoles and instabilities, among others)
  - Luminosity Levelling Strategy
    - For 2022: constant x-ing angle and beta* from 60 to 30cm, and a separation if exceeding cryo limit of 2e34
    - For 2023: xing angle levelling (160-130 and back) along with beta* (1.2 to 0.3 cm), while TCTs move during levelling
    - For 2022, 10 optics, for 2023, additional 11 optics

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Upcoming events

- Workshops, conferences and schools
  - JUAS 2022 (10/01-18/03/2022)
  - I.FAST meeting (03-06/05/2022)
  - FCC week in Paris (30/05-03/06/2022)
  - IPAC22 in Bangkok (12-17/06/2022)
  - Workshop on low emittance lattice design, ALBA, Barcelona (27-28/06/2022)
  - ABP alumni event (Sept.2022)
  - CAS: Introduction to Accelerator Physics in Kaunas, Lithuania (18/09-01/10/2022)
  - CAS: Advanced Accelerator Physics in Sevrier, France (06-08/11/2022)

- Next INC section meeting
  - 15/03 – tbd