Remote E-BEAM #1

D. Gamba

25/03/2020

General Information

- **Thanks for joining us!**

- **Mattermost team E-BEAM https://mattermost.web.cern.ch/e-beam**

  - It could be useful for discussion on given topics – feel free to add your channel and us ii!

- **E-BEAM Website https://e-beam.web.cern.ch**

  - Presently based on MkDocs

    - All of you have writing access, but difficult to contribute to it

  - Planning to migrate it to https://wiki.js.org/ -- if it works

    - Should make it easier to edit the pages for everybody

E-BEAM meeting open topics

See also **https://e-beam.web.cern.ch/WGmeetings/**

Hollow Electron Lenses
- Optimization of HEL collector design (A.Rossi, D.Nikiforov)
- Status of SixTrack implementation for Hollow Electron Lens (A.Mereghetti)

Electron Cooling:
- ELENA e- beam orbit optimisation (B.Galante/G. Tranquille)
- New AD e-cooler
  - Hardware design (collector, magnetic system, gun) (BE-BI)
  - Optics and performance (BE-ABP + BE-OP)
- E-cooling physics
  - Review theoretical aspects (BE-ABP + BE-BI + BE-OP)

Tools:
- Reinforced learning on LEIR cooler (V. Kain, N. Madysa)
- BetaCool / RF Track status (D.Gamba)
- Status of Warp simulations (O.Sedlacek)