

## First MuCol WP6 Task 6.1 meeting, 15.10.2022

via Zoom

Participants: Simon Adrian (UROS), Enrico Cenni (INFN LASA), Guillaume Devanz (CEA), Dario Giove (INFN LASA), Claude Marchand (CEA), Daniele Sertore (INFN LASA), Ursula van Rienen (UROS), Sosoho-Abasi Udongwo (UROS)

Hindered: Rocco Paparella (INFN LASA)

Ursula showed a few introductory slides with extracts from the EU proposal, especially regarding work package (WP) 6 and its task 6.1. In addition, she introduced the Rostock team and showed some preliminary results from 2020. Then, she suggests a short introduction round.

Claude pointed out that he is not directly involved in task 6.1 but attending as WP 6 leader.

Dario informs that he is also not directly involved, but INFN could support regarding wakefields.

Guillaume ... experience ...

Daniele was involved in the electromagnetic design and fabrication of the TESLA cavities for the European X-FEL. He has experience with tuners, e.g., he developed the blade tuner. He's also experienced with their test stand.

Claude points out that Saclay will not hire somebody for this task but for the other tasks in WP 6. For task 6.1, they will mostly bring in contributions from experts already there.

### General discussion:

- Find out the actual parameters of the RCS! → Ursula contacted Alexej Grudiev and colleagues on 16.11.2022: The best summary for the moment is probably the one prepared by Heiko Damerau  
<https://indico.cern.ch/event/1175126/contributions/5024249/attachments/2526545/4346068/SRFSystemForMuonColliderRCS.pdf>

The parameters are evolving and most probably will change in the future. This summary gives an excellent overall picture. Alexej and his colleagues will be happy to discuss any specific questions which we might have.

- We should present a work plan at the kick-off meeting on 19./20.01.2023. Therefore, another meeting shall be scheduled in the week of 12.-16.12.2022. → Ursula's secretary Kathrin Krebs has set up an appointment poll and invited the task 6.1 team on 16.11.2022.
- We intend to set up an Indico page. Claude offered to take care of it. → Claude suggested using the dedicated Indico entries for « RF systems » for the muon collaboration as a whole (<https://indico.cern.ch/category/12831/>) created by Alexej some time ago. One of them covers our task 6.1 thematics: <https://indico.cern.ch/category/15522/>. Ursula needs to get administrative rights from Alexej to use this structure also for dedicated MuCol meetings.