3 MeV beamline WP8 meeting
SY-STI assumed deliverables
M. Calviani
Assumptions

- SY-STI requested to provide:
  - 45 keV source stopper (1x)
  - 3 MeV dump for LEBT test stand (1x)
- Material R&D proposition not compatible with spare RFQ Project timeline, WP9 dropped
Deliverable #1

- **Deliver a 3 MeV beam dump**
  - Study and investigate whether the 3 MeV dumps for L4 test bench could be reused or a new design will have to be investigated

- **Functional specifications to be provided ASAP – assume L4-L-ES-0001**

- **RFQ2 Project shall fund 1 year of PJAS (±60 kCHF, 2021)**
  - Synergies with 3 MeV chopper dump, recently approved by ACC-CONS (Dec-2020)

- **If old dump could be used reused, assume ±20 kCHF (either 2021 or 2022)**

- **Under these assumptions, ok for 2022**

- **If new device needs to be built resulting from more constraining budget specifications, dedicated budget will be reassessed – urgent, as 2022 would be tight in that case**
Deliverable #2

- Build a new 45 keV source beam stopper
- Deadline for this work is end of 2022
- RFQ2 Project will provide functional specifications for the source stopper ASAP (was by end of 2020)
- Tentative budget is ±100kCHF
  - 20kCHF in 2021 and 80kCHF in 2022
  - To be revised based on functional specifications
- Planning ok for 2022, but need to start now
Thank you for your attention!