

## Sources Subgroup 6th Meeting Dec.7.2020

(This is not a faithful minutes. Just according to my memory)

Participants: Masao Kuriki, Hitoshi Hayano, Gudi Moortgat-Pick, Joe Grames, Kaoru Yokoya, Steffen Doebert, Shin Michizono, Phill Burrows, Andy Lankford, Sabine Riemann, Peter Sievers, Mikhail Zobov, (Some are missing, perhaps)

Indico:

- Undulator Positron Source (comments/questions included here)
  - Gudi presented the latest version of the final document
    - ◇ Technical-Preparation-Undulator-based-source.pdf, Uploaded in the indico site
  - Comment: OMD+wheel 0.5M\$ (FC+wheel would be more expensive, ~1M\$)
  - Classification of manpower : “Engineers”
    - ◇ Perhaps, eliminated in the final document (uniformity over all other docs)
  - Photon dump
    - ◇ To be included in the BDS/DR/DUMP subgroup
  - Target maintenance
    - ◇ Many common technologies with e-driven. Work package will be absorbed into e-driven section.
  - Feasibility about the focusing device
    - ◇ What is needed for feasibility demonstration?
    - ◇ Is a computer design enough?
    - ◇ Responsibility of the proponents, after all.
  - Target
    - ◇ Is it necessary to construct a model? (200k\$ in the table)
    - ◇ Not necessary
    - ◇ E.g., what about thermal contact between Ti and Cu? → right now, monolithic model
    - ◇ Magnetic bearings: not identical to commercial products, but can be done. Not a feasibility issue.
- Confirmation of the Item list
  - Uploaded materials
    - ◇ Item\_ListV6-KY-temp.xlsx,

- ◇ Technical-Preparation-Undulator-based-source-v1.docx
- Structure of the work package
  - ◇ e-driven issues should be categorized into 4 work packages (target, FC, capture cavity, target replacement)
  - ◇ EDR is separated and combined into one for all electron and positron sources
- Is there any change possible after the next meeting?
  - ◇ A minor change may be possible by mid January, but not welcome.
- Next meeting
  - Time: Dec.21 23:00 JST, 15:00 EU, 9:00 EDT (No DST)
  - Topics:
    - ◇ Final discussion on the electron source (presentation by Joe)
    - ◇ Final touchup of all the documents (electron, undulator, e-driven)