

Minutes of PITZ Physics Seminar, 27.01.2022

Project: PITZ

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Agenda:

- 1) AOB
- 2) Talk by M. Gross: Laser pulse shaping for electron injectors (rehearsal)
- 3) FS: Discussion on Franks idea on radiation therapy

Results:

- 1) AOB
 - a. FS: ANY wish on further discussion of Copsoq questionnaire?
 - b. FS: Conference planning:
 - i. Laplace – we have no contribution
 - ii. DPG was changed to virtual format
 - iii. IPAC still planned to be in-person
 - iv. FEL: Contributions to be forwarded to Frank
 - c. FS: Updates from Ingo? MG: He does not have time for us right now, he will be there in 2-3 weeks.
 - d. FS: Limits for MBI laser? MG: 600 us train, but Pockels cell might now do it.
 - e. FS: I want to see what charge in a full pulse train we can do. Significant charge over 1 ms is interesting. That could be interesting for our paper.
 - f. FS: Feedback from people for Nizhniy Novgorod. What is our priority in the wish list of the items they send around.
 - g. MK: Can we replace the diode pump with a thinner fiber of the pump laser?
 - h. FS: Make a DESY wish list to the IAP, and then they'll agree to what they can do.
 - i. FS: After the talk I'd like to discuss some parameters with Xiangkun and Houjun etc.
 - j. AO: Xiangkun, please check your mailbox and sign your new contract.
 - k. AO: Check you on-call sheets and drop them into my postbox.
- 2) M. Gross's talk:
 - a. Feedback was given
- 3) FS: Idea for radiation therapy: Have the first part of the train with low charge to locate the tumour, then treat it with high-charged 2nd part of the train.

Protocol prepared by
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(Name, Date)