Wellcome to the 2nd FLASH2020+ Start to End Simulation Workshop

April 21th, 2022

Morning

Goals:

Review post processing electron beam scaling method

Review Standard unit file setting

Discuss in progress work with upsampling

Links from discussion in the zoom chat

Intrabeam Scattering: https://www.elettra.trieste.it/SSSFEL12/uploads/Main/03_Stupakov.pdf

CSR in modulators: https://arxiv.org/abs/1909.02166

S2E simulations for FLASH in 2010: https://www.desy.de/fel-beam/s2e/flash/Nominal/flashI/nom500pC.html

April 21th, 2022

Afternoon

Goals:

Review simulations with imported field files

Feedback on different modulation amplitude on the beam files

Access Jupyter Notebook and our Folders

Jupyter on Maxwell

If you have a DESY account log in here:

https://max-jhub.desy.de

Jupyter on Juwels

If you have a JUWELS account log in here:

https://jupyter-jsc.fz-juelich.de/hub/login

Create a pointer to our folders

On Maxwell

> **Run ln -sf /beegfs/desy/group/mpy/Xseed/Projects/S2EWorkshop <pointer name>**

On Juwels

> **Run ln -sf /p/project/xseed2024/samoilenko/s2eworkshop <pointer name>**

Sample Files on Sync&Share

> **To be added after the workshop**

Additional Feedback, comments & Questions?

Thank you
&
[See]{.underline} You in the Next Workshop (tentatively Early December 2022)