

# Update

William Shields  
([william.shields@rhul.ac.uk](mailto:william.shields@rhul.ac.uk))

WP6 Meeting

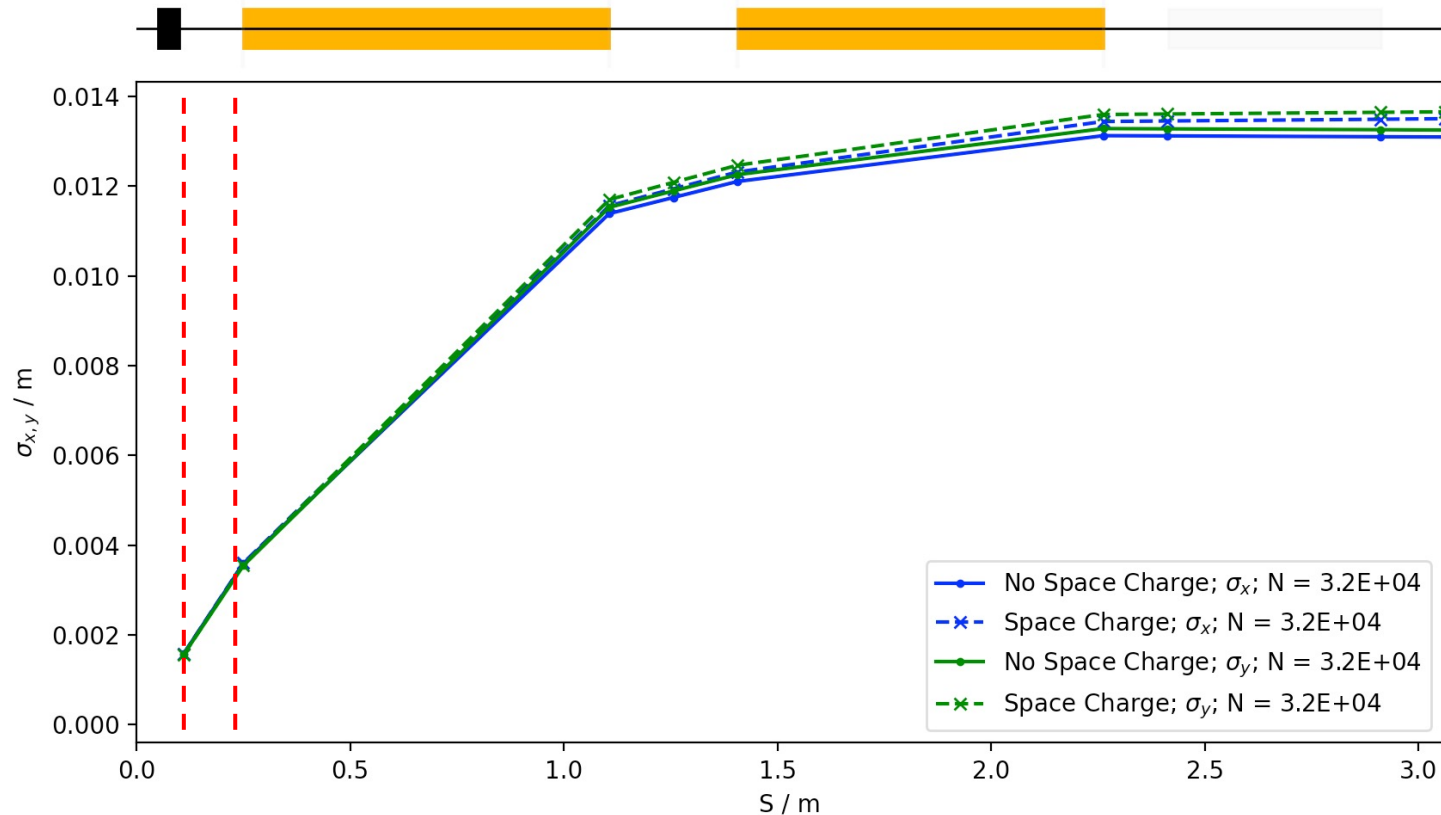
13<sup>th</sup> December 2022



ROYAL  
HOLLOWAY  
UNIVERSITY  
OF LONDON



- Done:
  - Contacted HT r.e. beam distribution (no response)
  - Located HT's beam files
    - Unsure which is correct or where script is to generate the beam he provided
  - Added scripts for Excel surveys generation to ccap-sim repository
    - V0.1 of documents – finalising conversions
    - Comments added
- Ongoing:
  - GPT optimisation of capture section – gdfsolve.
  - Follow up on Gabor Lens optimisation solutions
- Todo:
  - Identify locations for non-beam transport systems + add to model
  - Develop OPAL model of FFA – need JP input.



- 15cm of GL physical length (not field length)
- GPT for short distance until SC forces minimal
  - Parameterise beam – MADX optimisation

- Question: is 15cm needed between the target housing & the field edge of the first solenoid?