

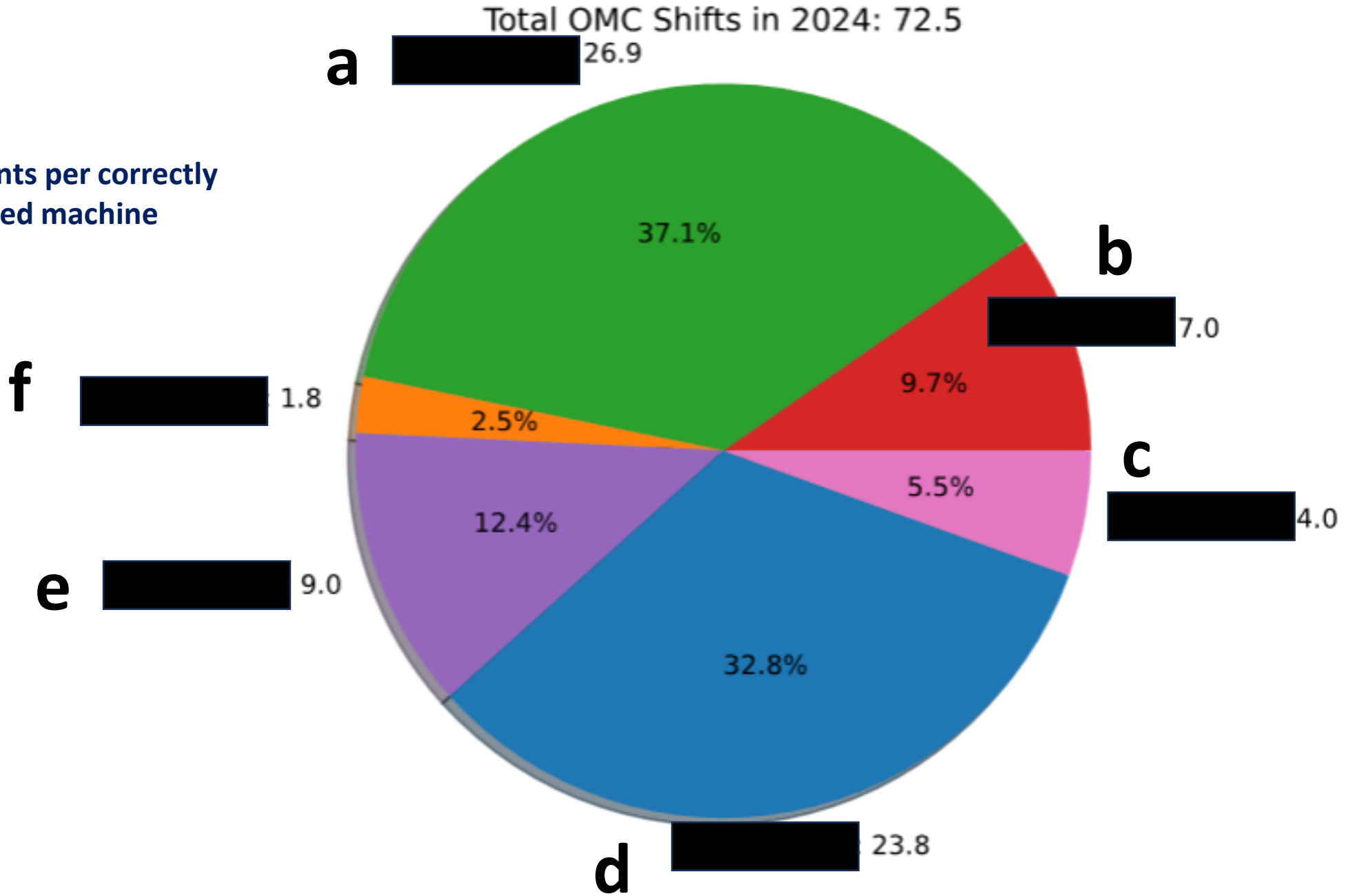


***A very merry
shutdown to
one and all !***



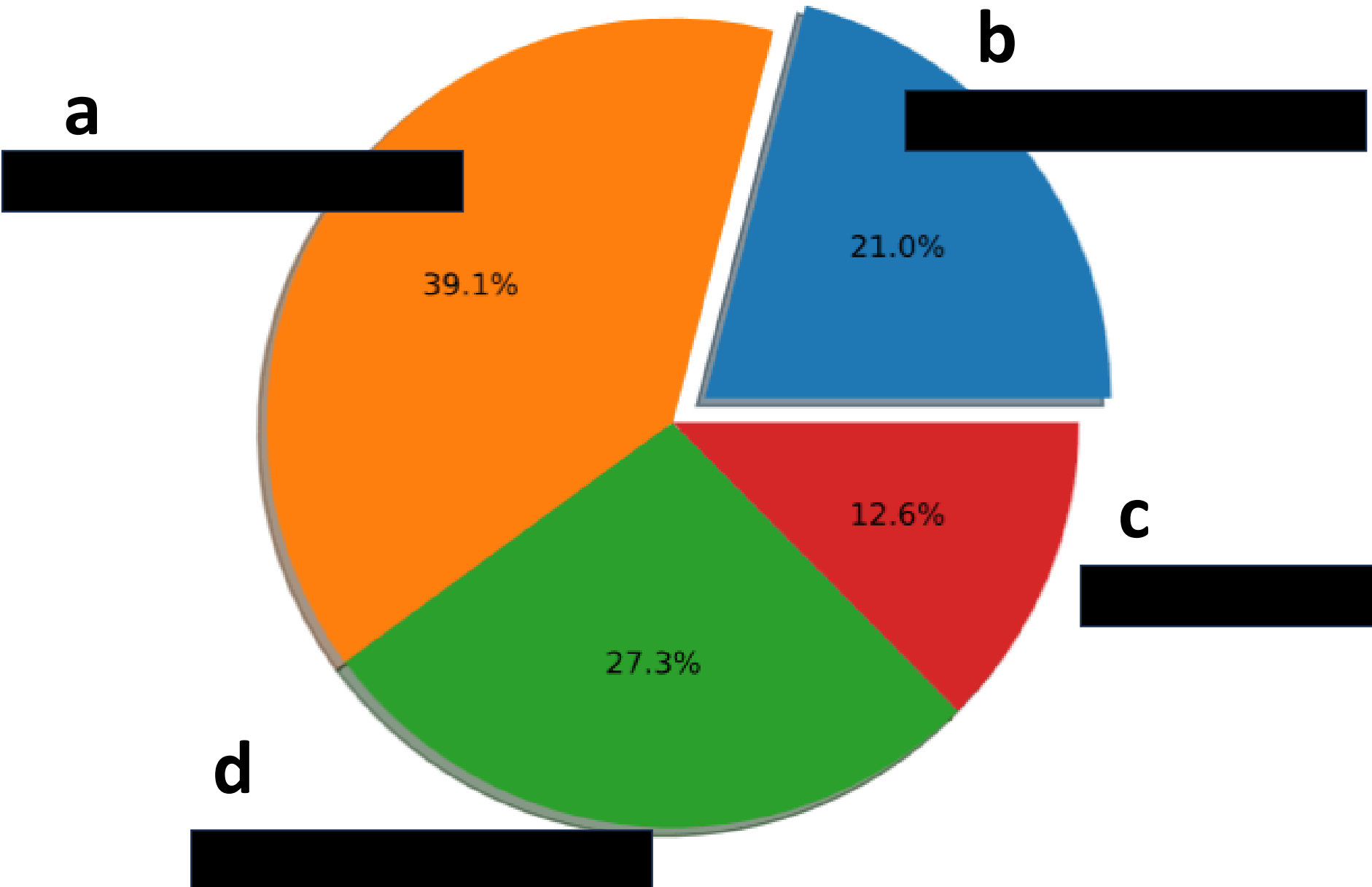
1.

0.5 points per correctly identified machine



OMC Shifts LHC 2024
Total Shifts: 23.8

2.



0.5 points per LHC shift category

- Work hours
- Weekday nights
- Holiday/Weekend day
- Holiday/Weekend night

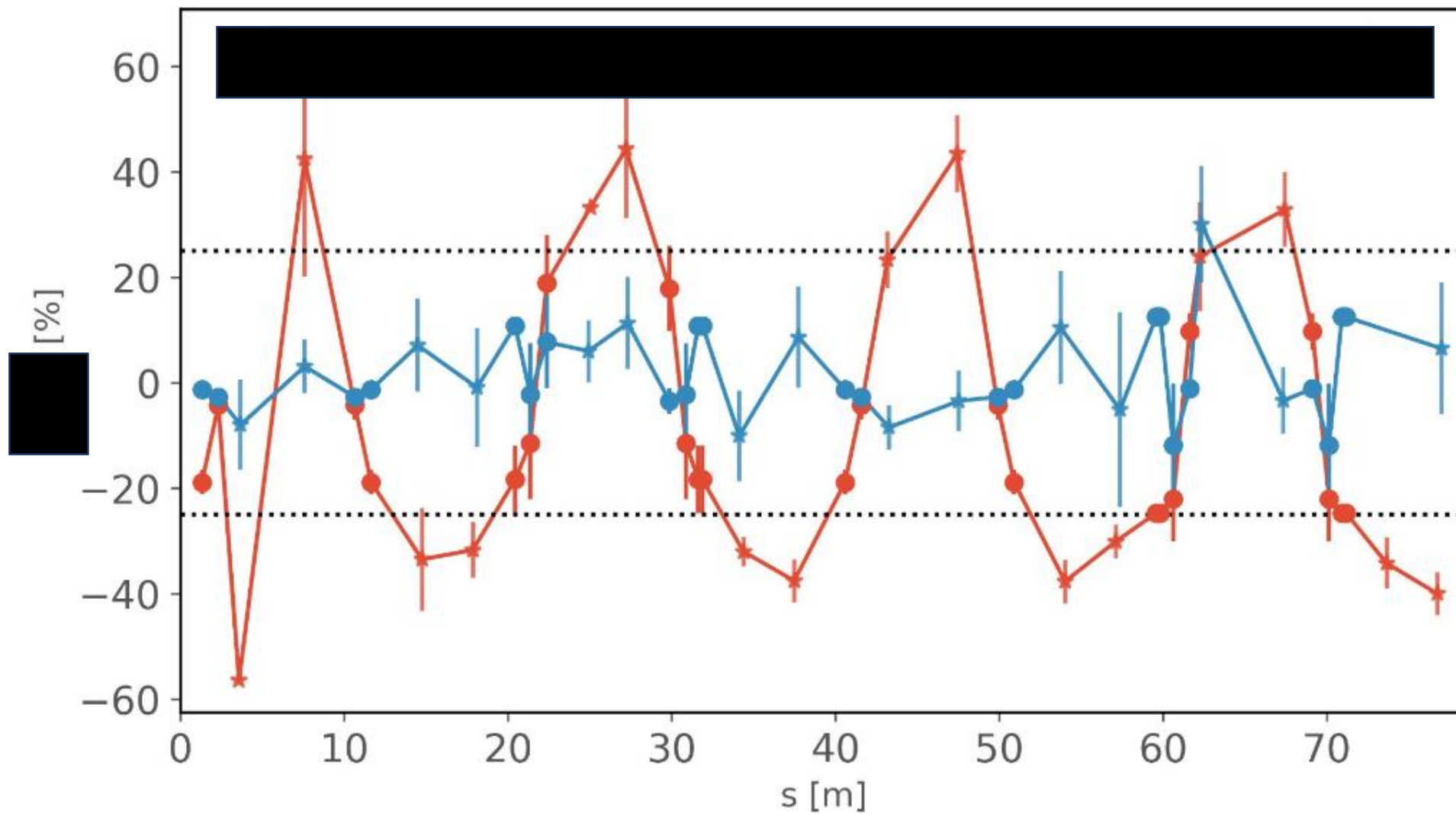
3.

What TV show is this
photoshop taken from?

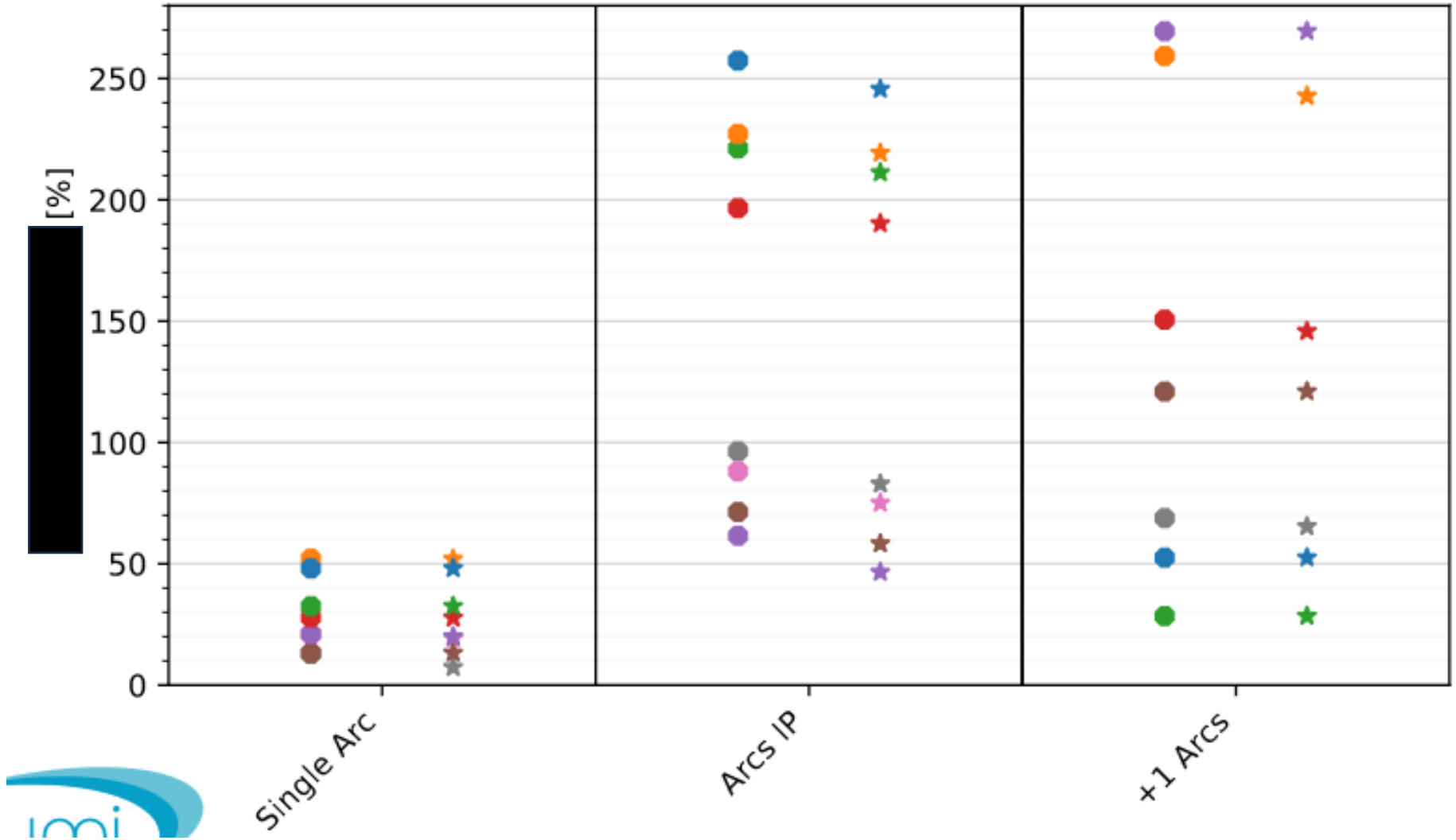


*“Your technological and biological
distinctiveness will be added to the OMC team”*

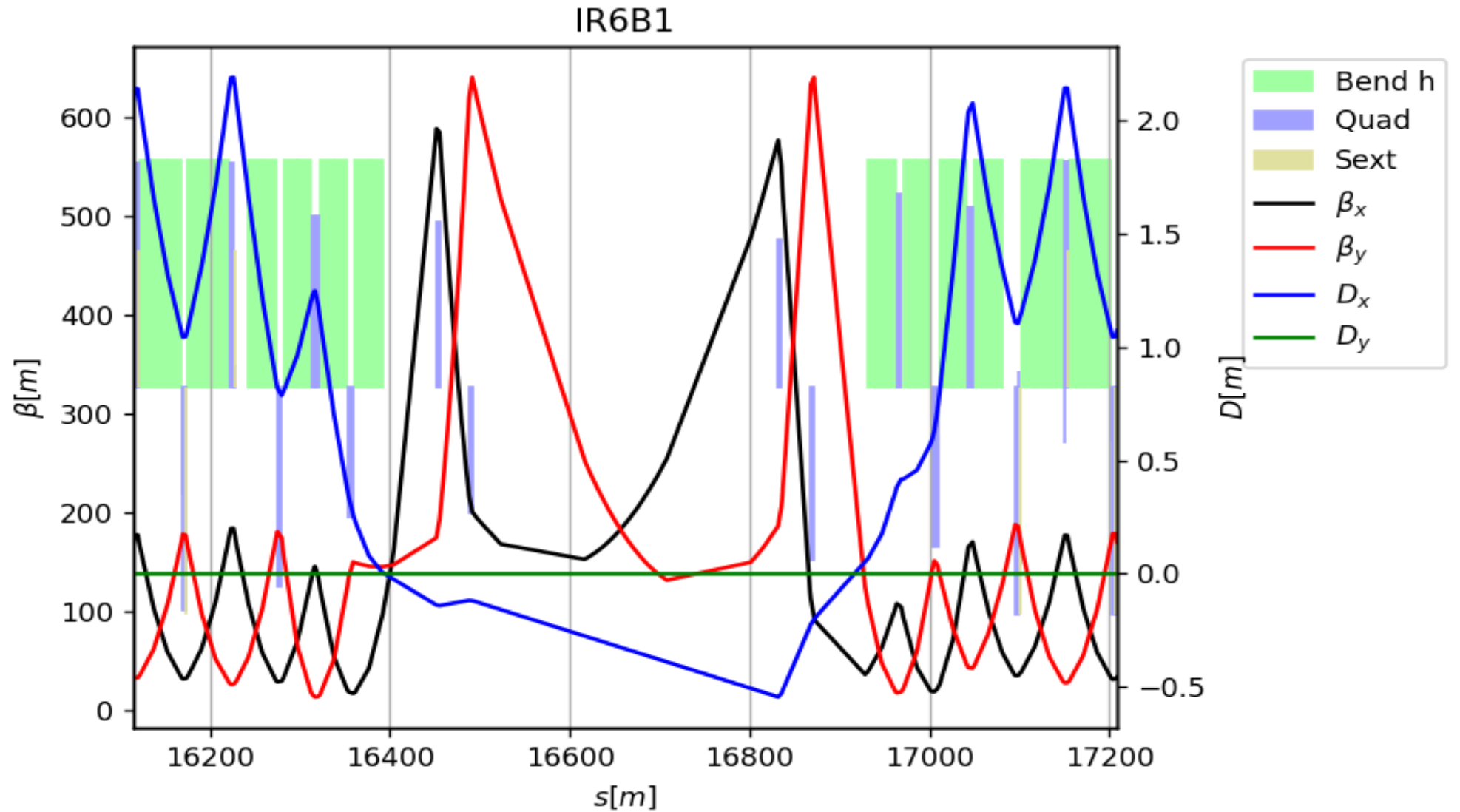
4. Person and description



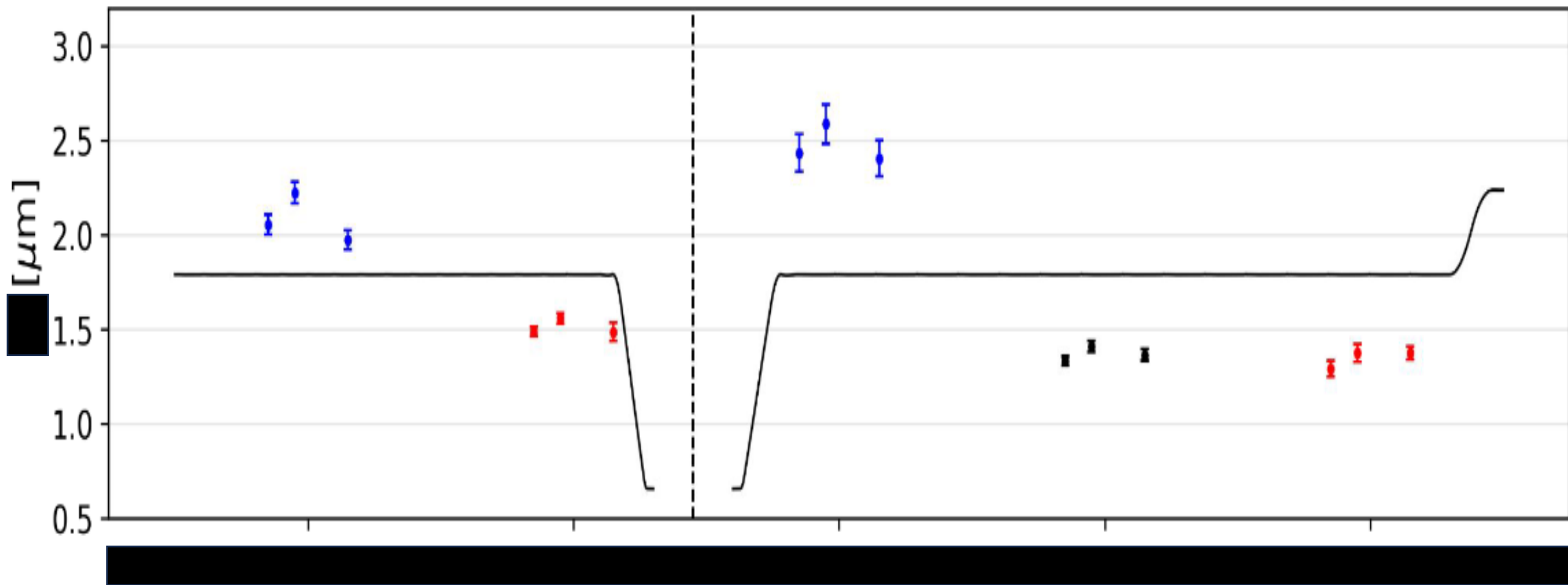
5. Person and description



6. Person and simulation code

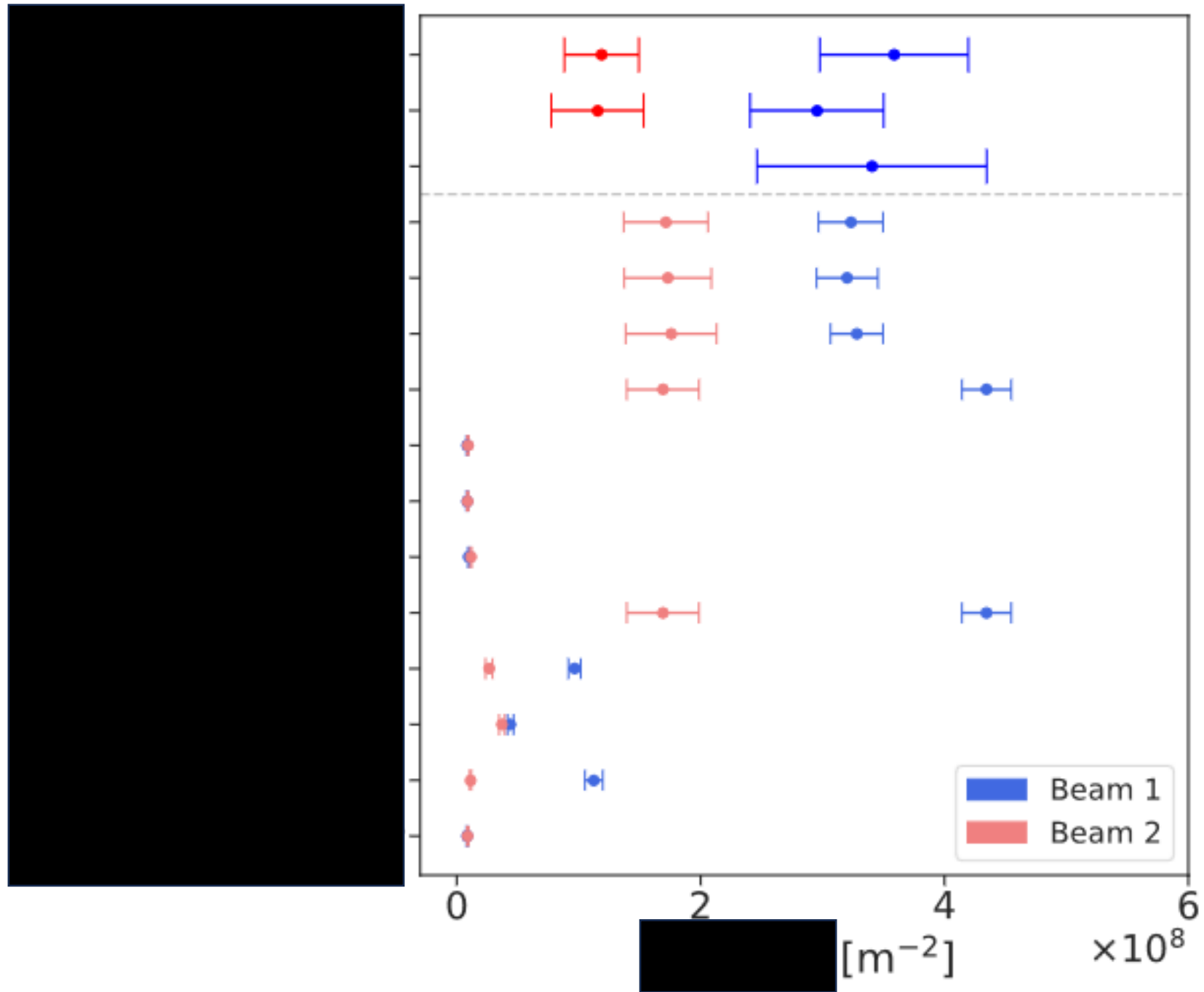


7. Person and description

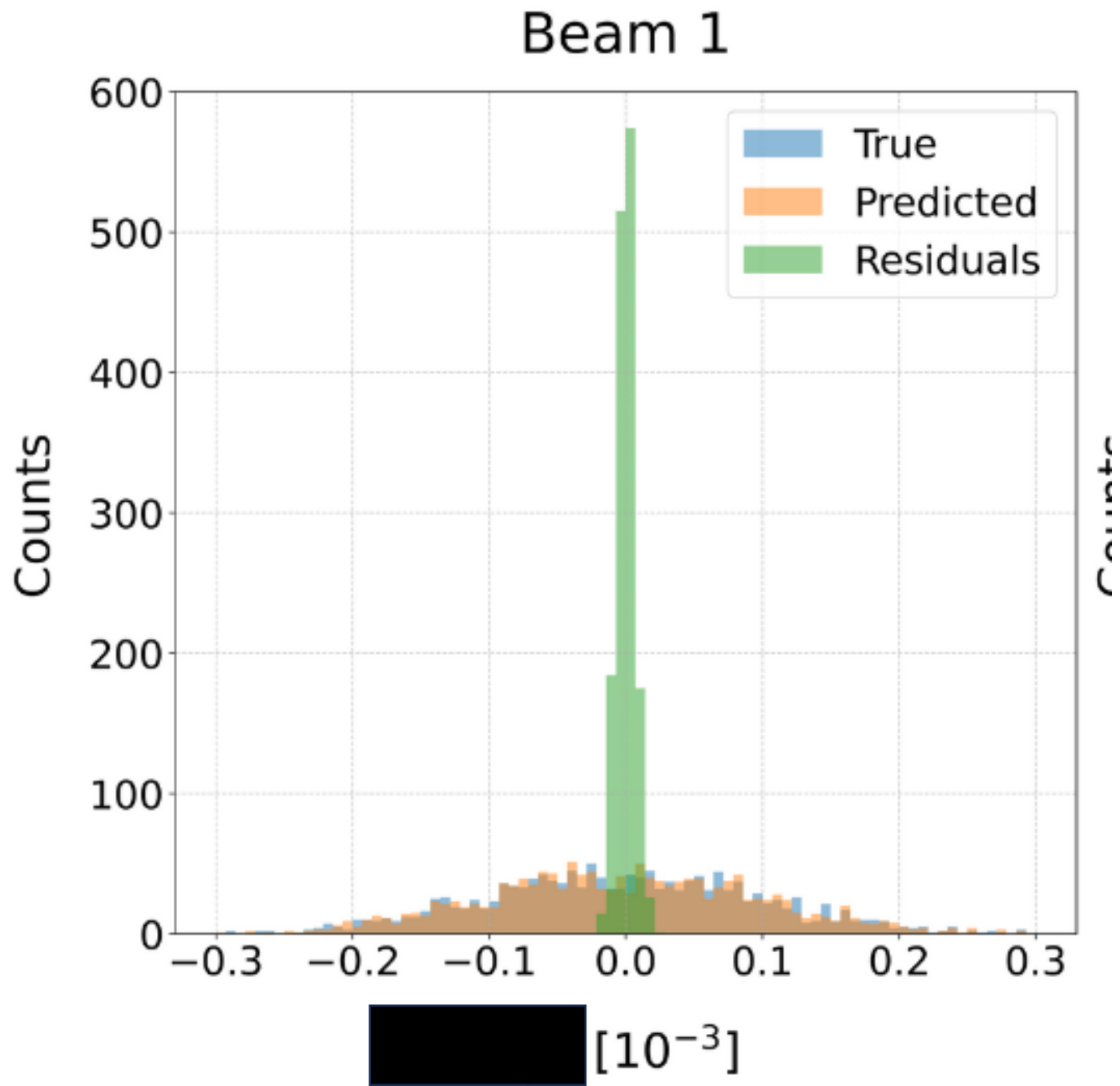


8.

Person and description



9. Person and description



10.

Person and description

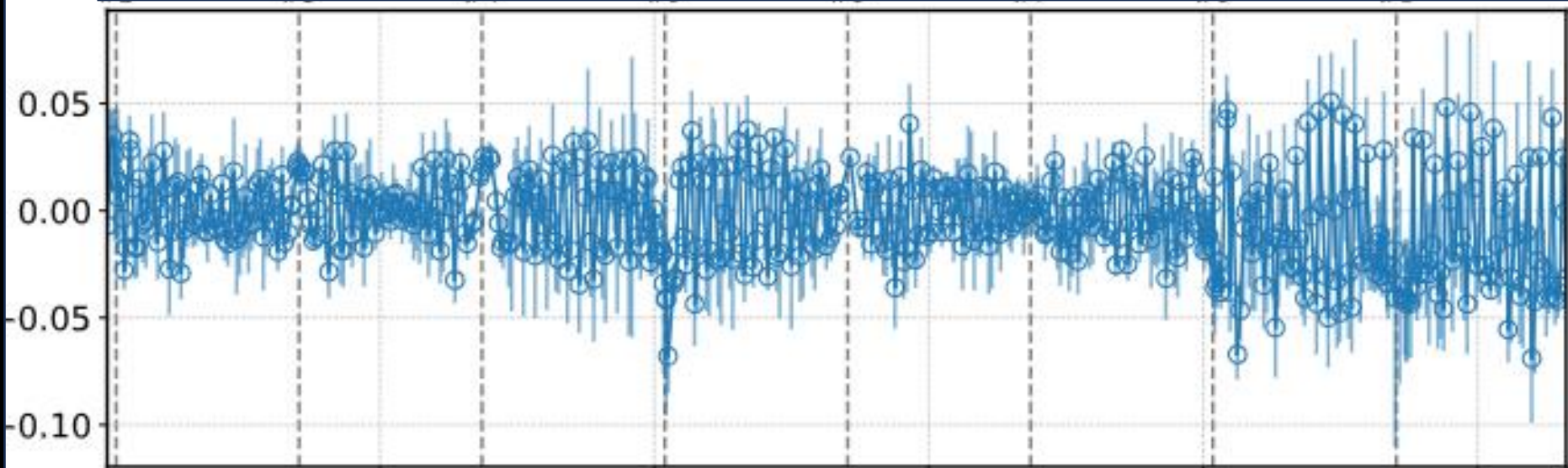
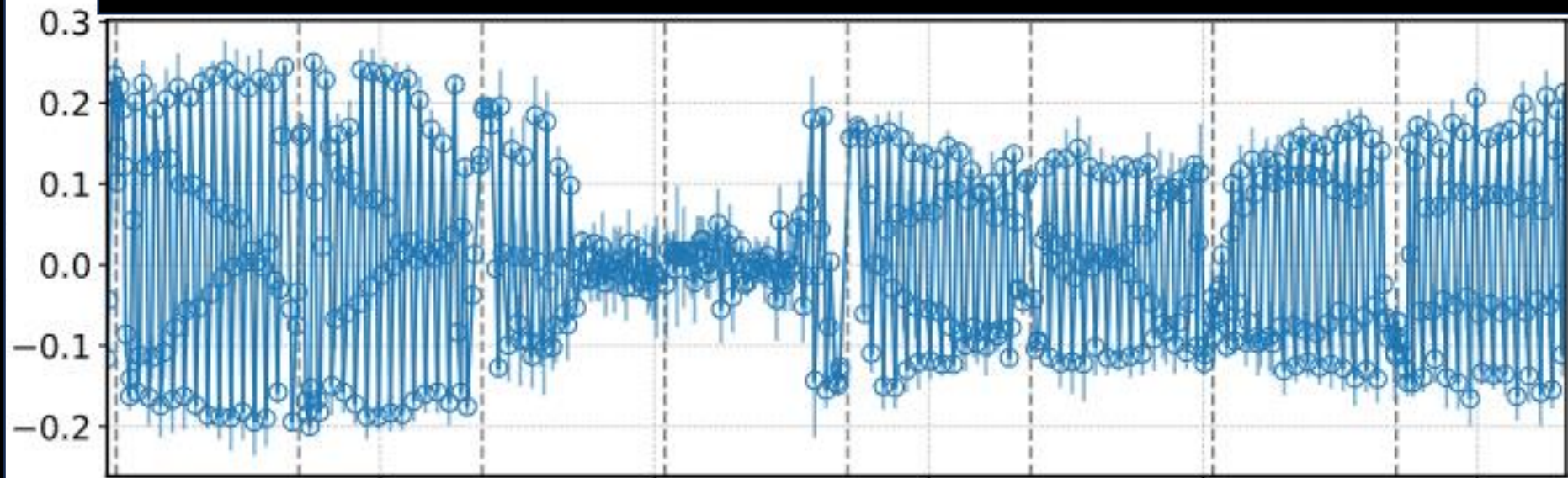
The screenshot displays a control interface for the LHC 3D Excitation Panel. The interface is divided into several sections:

- Flag status:** Includes a green 'Beam Presence' indicator, a red 'Setup Beam' button, and a red 'ATLAS BCM' indicator.
- Kick Group:** Shows '(No Group Acti...)' and a 'Select Active group' button.
- Measurement Environment:** Contains 'Feedback state' with 'OrbitOFF' and 'RadfallLoopOFF' (both in red), and 'Tune feedback state' with 'B1 H', 'B1 V', 'B2 H', and 'B2 V' (all in red).
- Chroma state:** Shows 'B1 H', 'B1 V', 'B2 H', and 'B2 V' (all in red).
- Landau Damping:** Shows 'B1' and 'B2' (both in red).
- Tunes set-up:** Features 'B1 H' (green) with a value of 0.3095 and an 'Acquire QH' button, and 'B1 V' (red) with a value of 0.3164 and an 'Acquire QV' button.
- Auto-run analysis:** Includes checkboxes for 'Internal analysis' and 'Harpy'.
- Concentrator settings:** Shows 'Bunches' as '44,48,52,56,62,66,70,74,8' and a 'Select ...' button, and 'Turns' as '10'.
- ADT AC Dipole Status:** Shows 'H: IDLE' and 'V: IDLE'.
- HORIZONTAL SETTINGS:** Includes 'Kick Enabled' (checked), 'Expert Settings' (unchecked), 'Excitation Amplitude (%)' set to 1.0, 'Tune Delta' set to -0.01, 'Start Excitation Tune' set to 0.2995, and 'Turns' set to 'Measured Number of Turns' with a value of 6600. Rise Turns is 1000.0, Fall Turns is 1000.0, and Flat Top Turns is 8000.0.
- VERTICAL SETTINGS:** Includes 'Kick Enabled' (checked), 'Expert Settings' (unchecked), 'Excitation Amplitude (%)' set to 1.0, 'Tune Delta' set to 0.012, 'Start Excitation Tune' set to 0.3284, and 'Turns' set to 'Measured Number of Turns' with a value of 6600. Rise Turns is 1000.0, Fall Turns is 1000.0, and Flat Top Turns is 8000.0.

At the bottom, a yellow bar contains the text 'Acquire with ADT/AC excitation'. A status bar at the very bottom shows the time '13:44:15' and the message 'BlmDelegatePro: Blm with highest loss: BLMQI.14R8.B1I10_MQ (loss ratio: 0.10361438680134967)'.

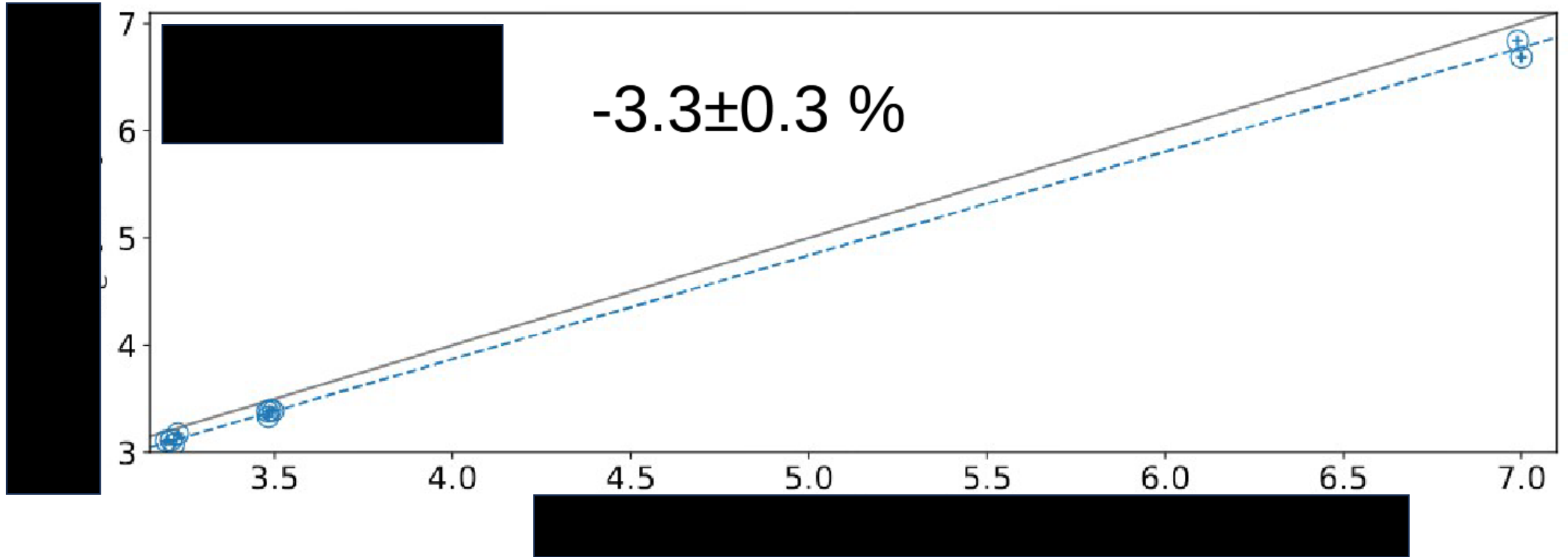
11.

Person and description

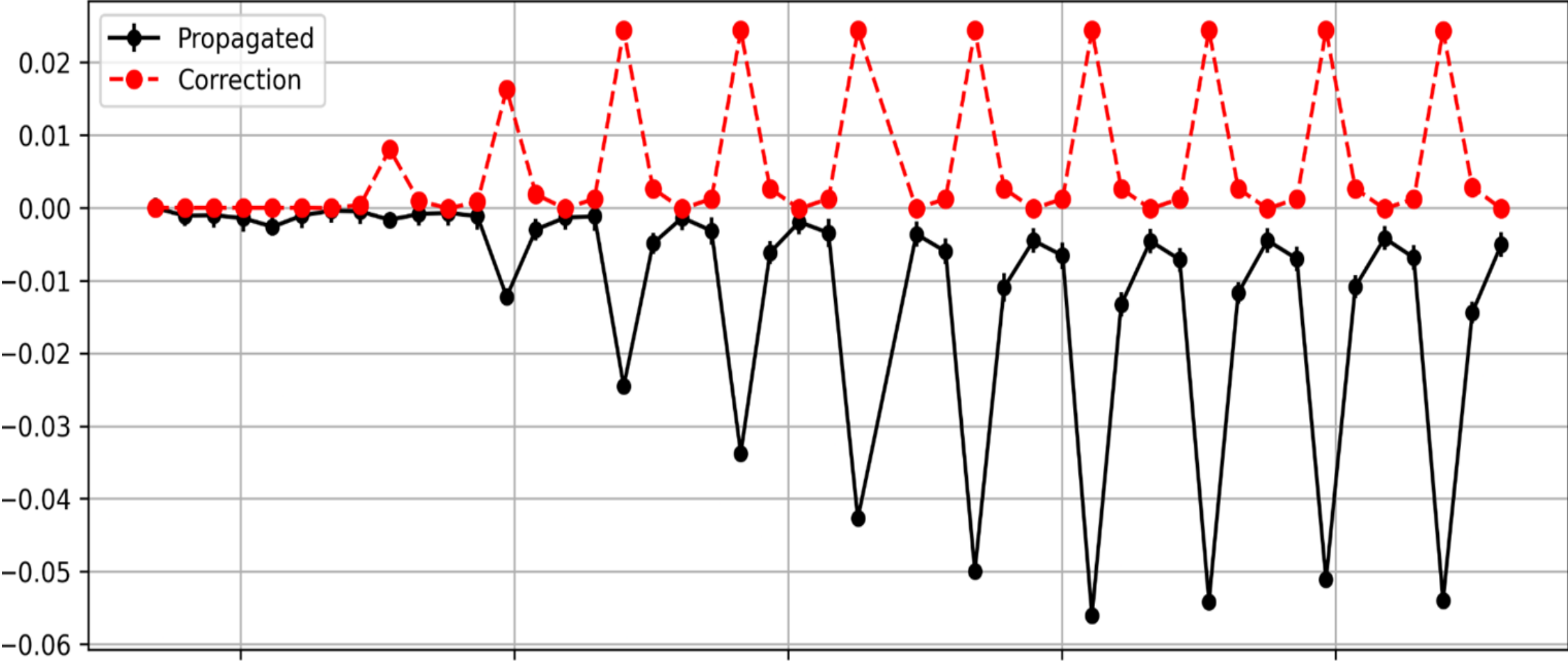


12.

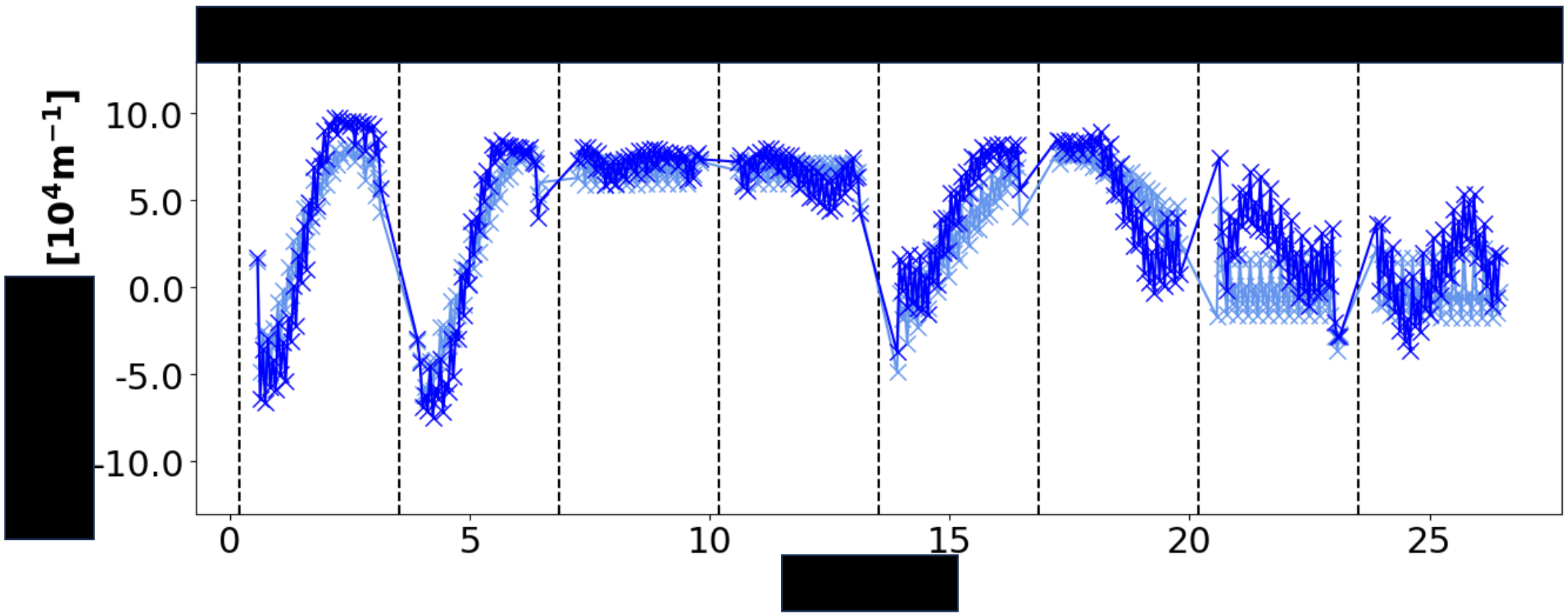
Person and description



13. Person and description

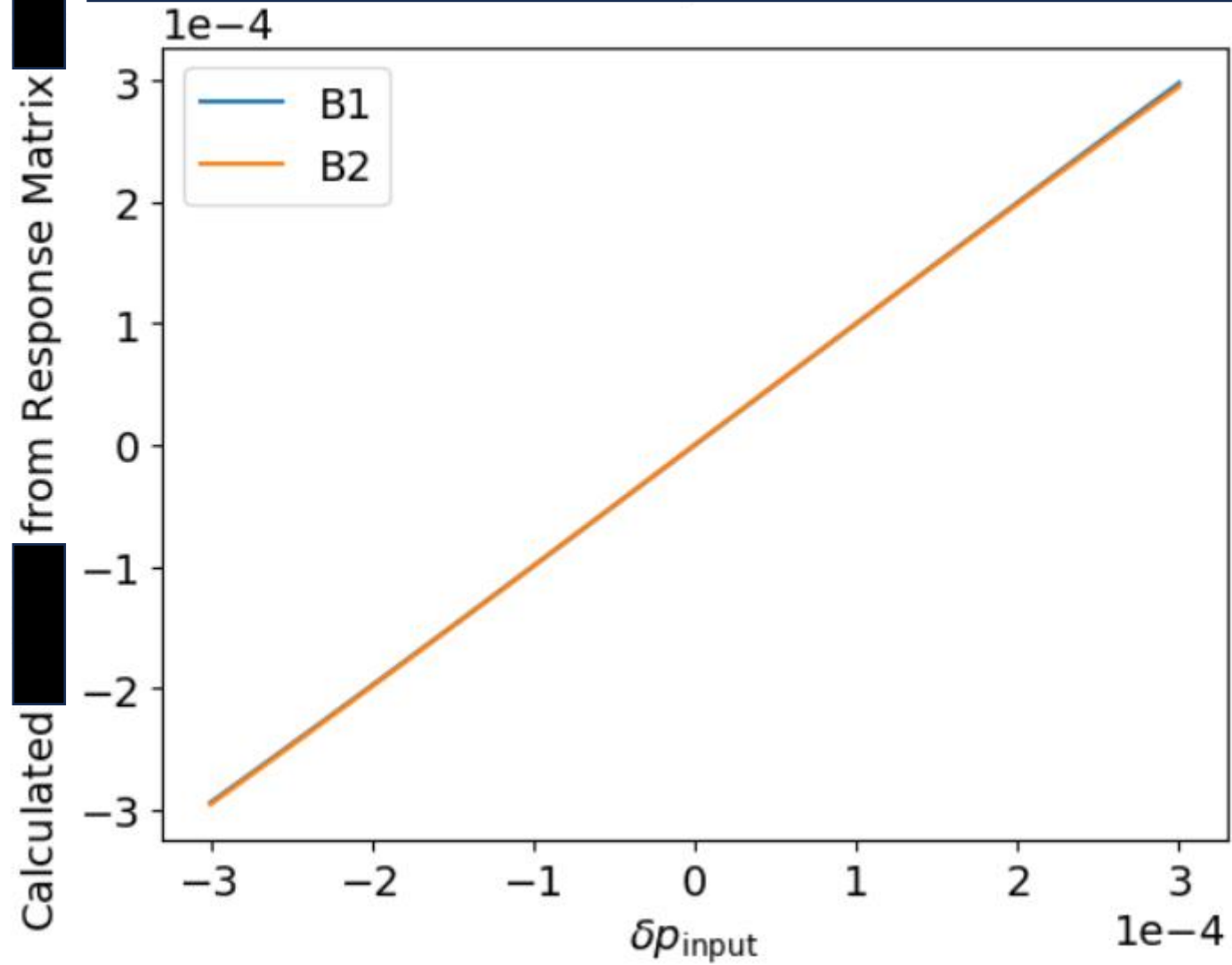


14. Person and description – what energy?

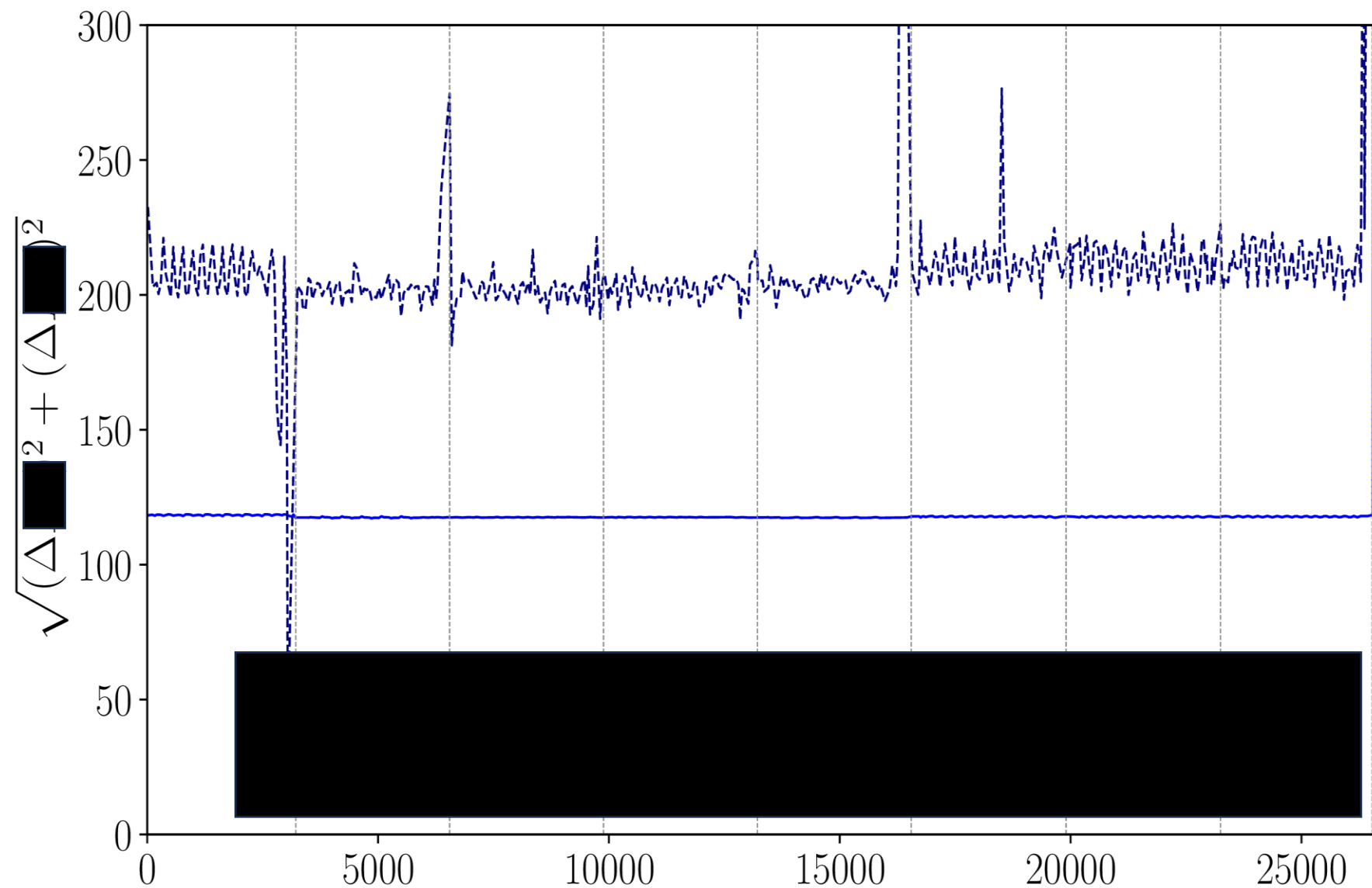


15.

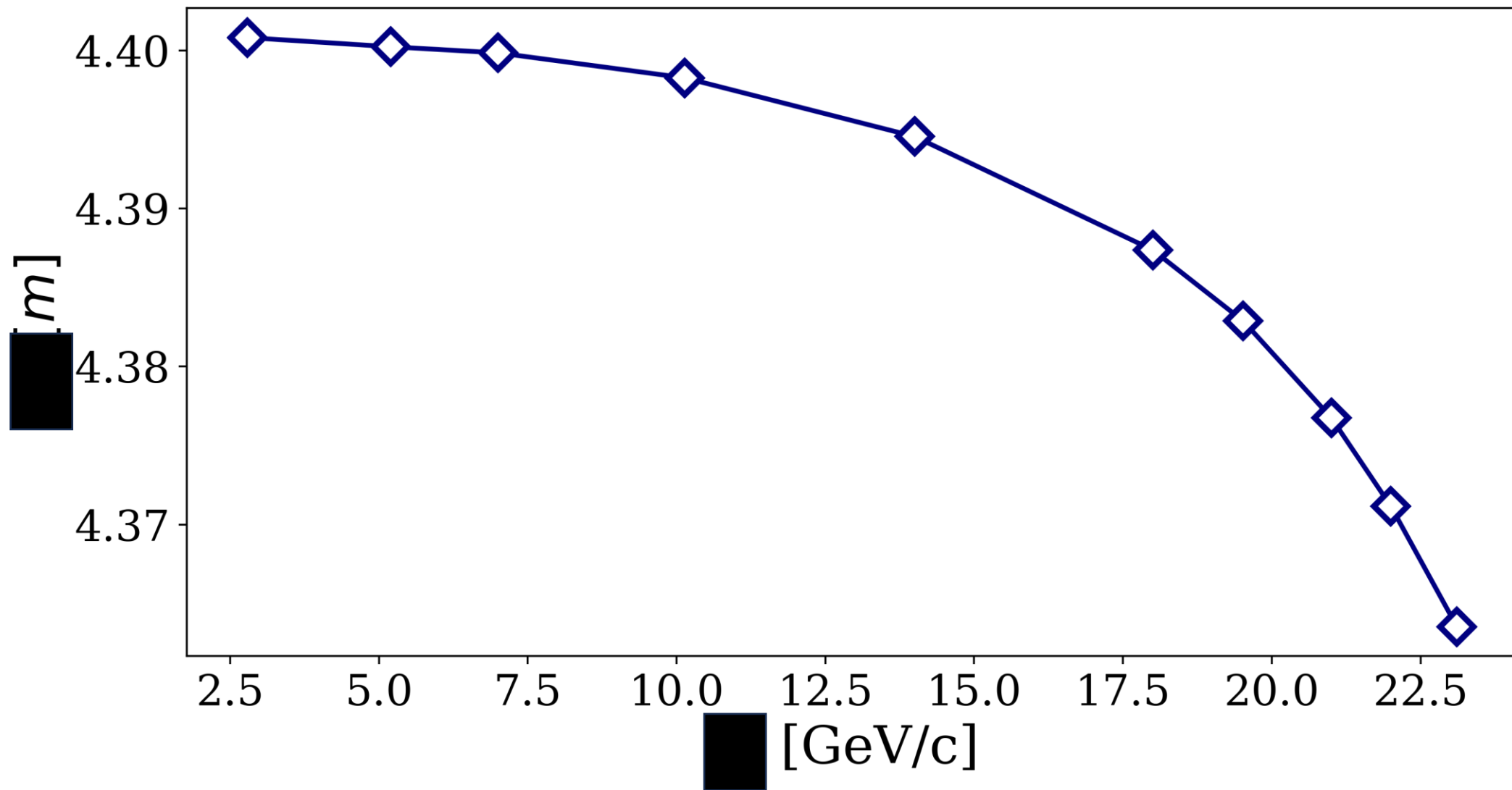
Person and description



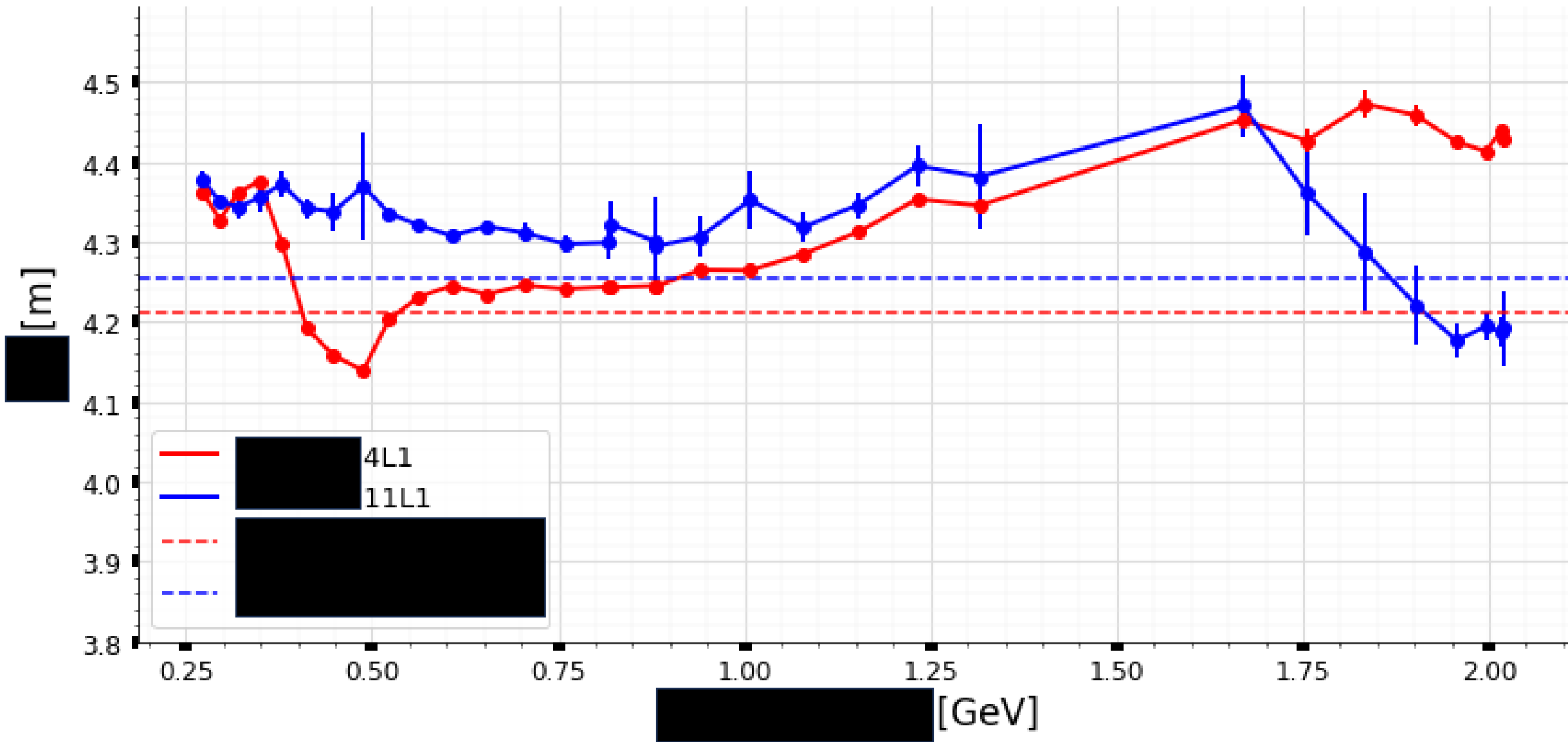
16. Person and description



17. Person and description

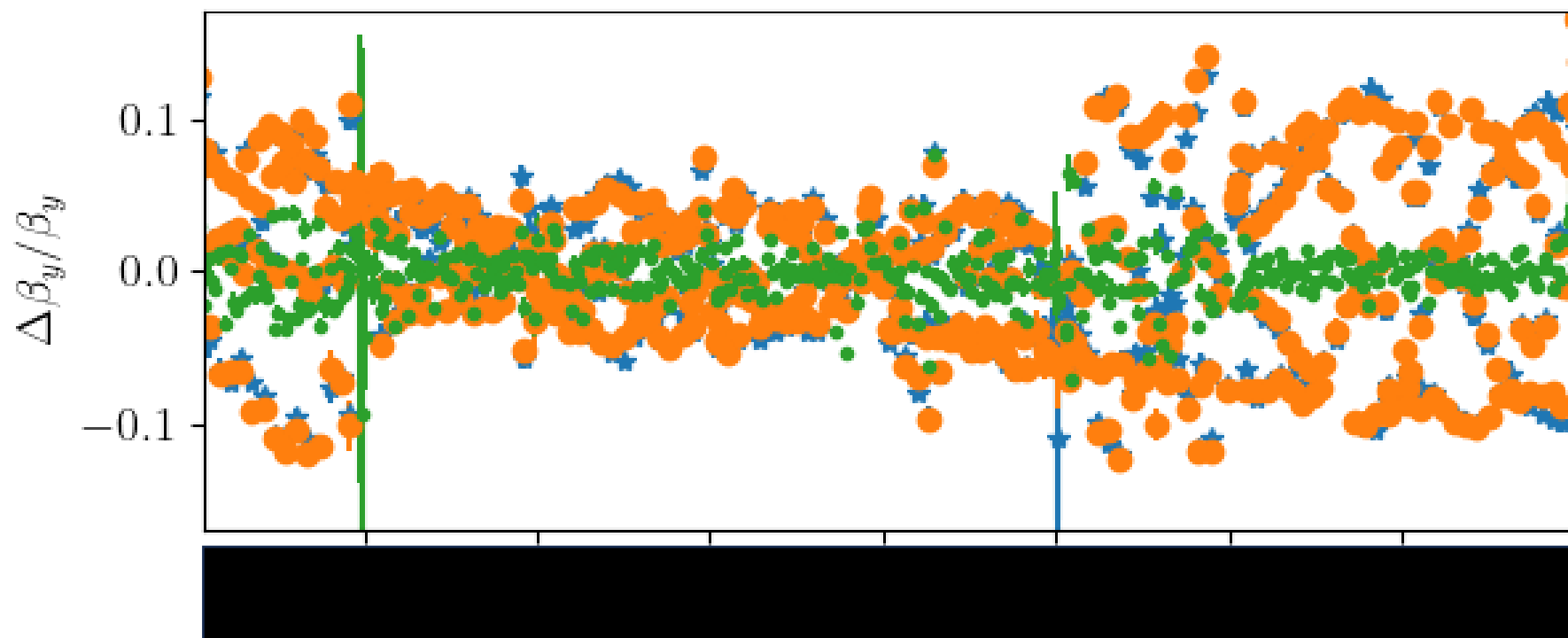
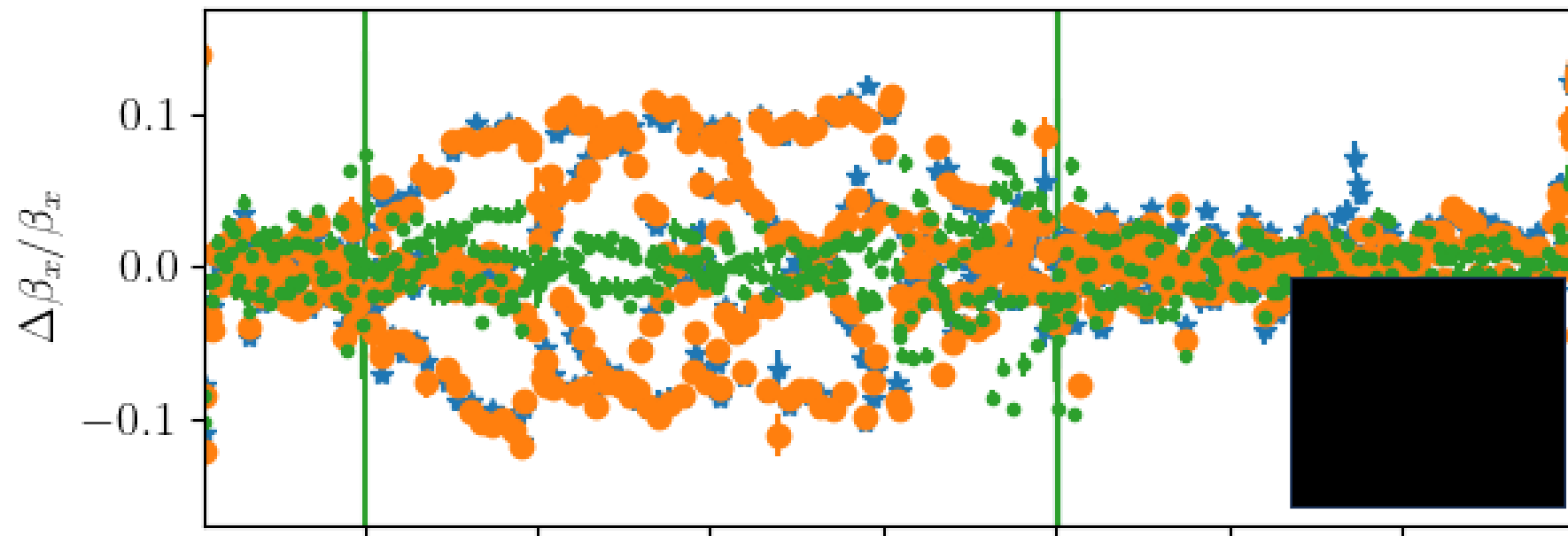


18. Person and description



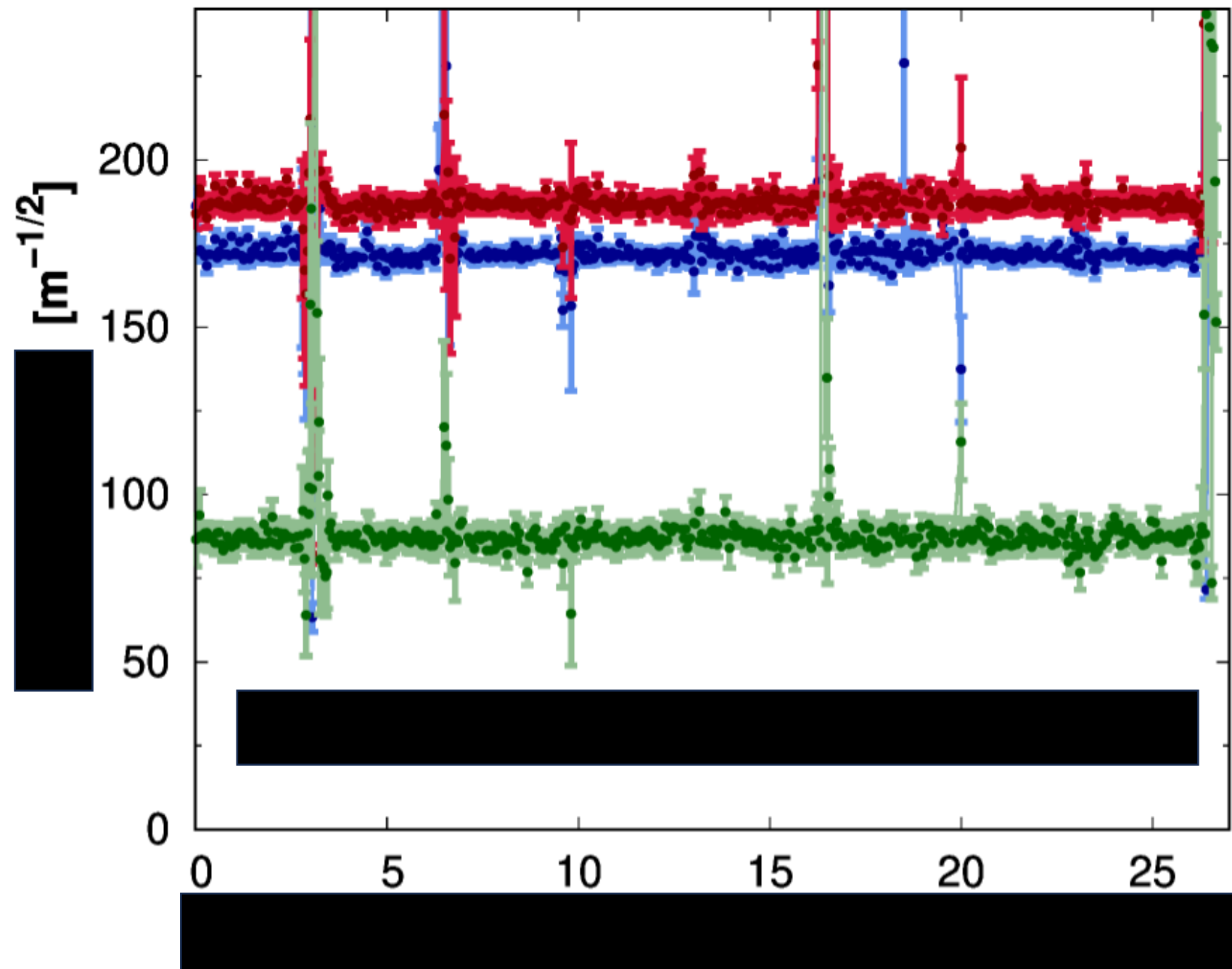
19.

Person and description



20.

Person and
description





Merry Christmas and have a good rest!!!