

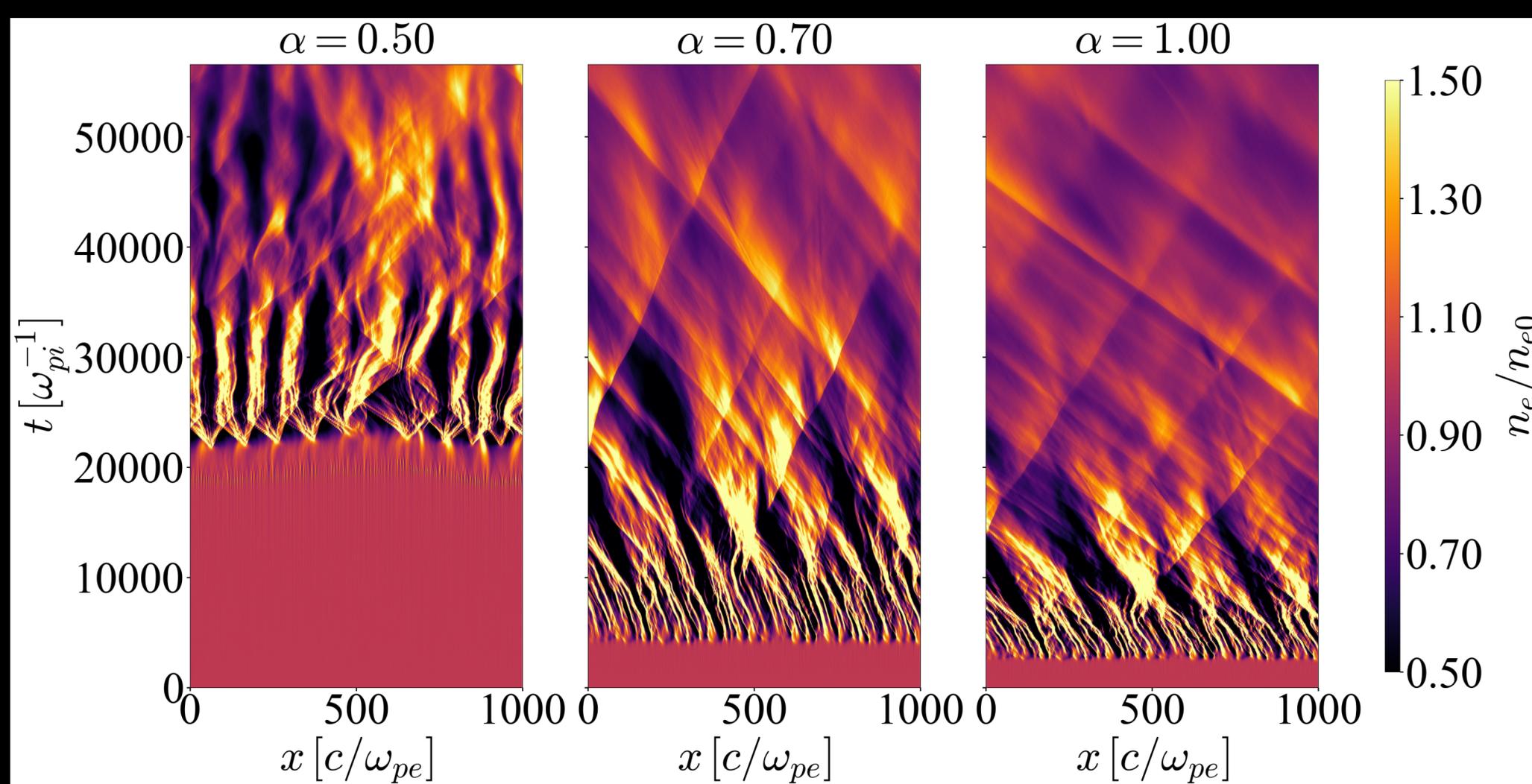
TABARY Maxence - 2nd year PhD Student

LUX (Laboratory for the eXtreme Universe) · Sorbonne Université, Paris Observatory

Under the supervision of Andrea Ciardi (LUX), Anna Grassi (LULI)
& Arno Vanthieghem (LUX)

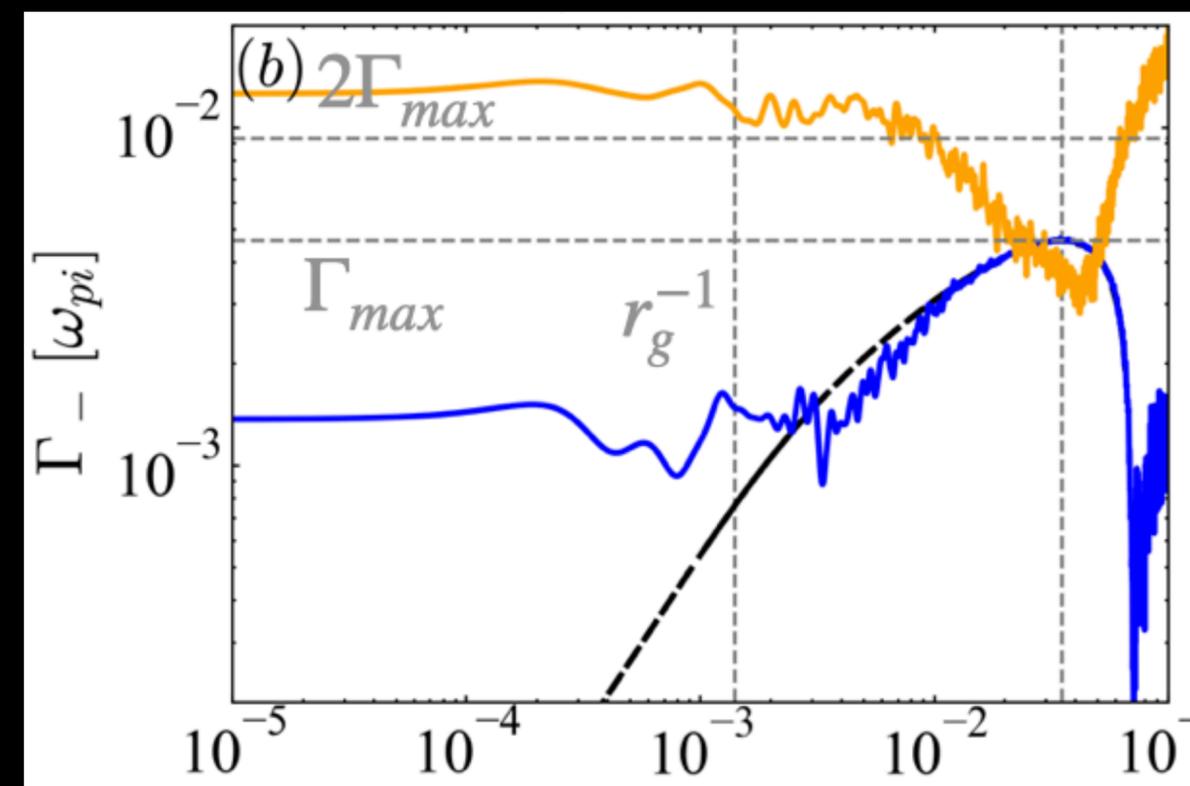


- Working on the multi-scale interplay between plasma instabilities to amplify magnetic fields to reach Bohm diffusion of CR in astrophysical shocks
- Using fluid, kinetic theory and full-PIC simulations



- First evidence in full-PIC simulations of **wave-wave coupling leading to efficient energy injection at large scales**

- We showed that the **beam driven firehose instability** can grow linearly after **non-linear saturation of the Bell instability**



Feel free to come discuss if you are curious!

or email me at maxence.tabary@obspm.fr

Thank you for your attention