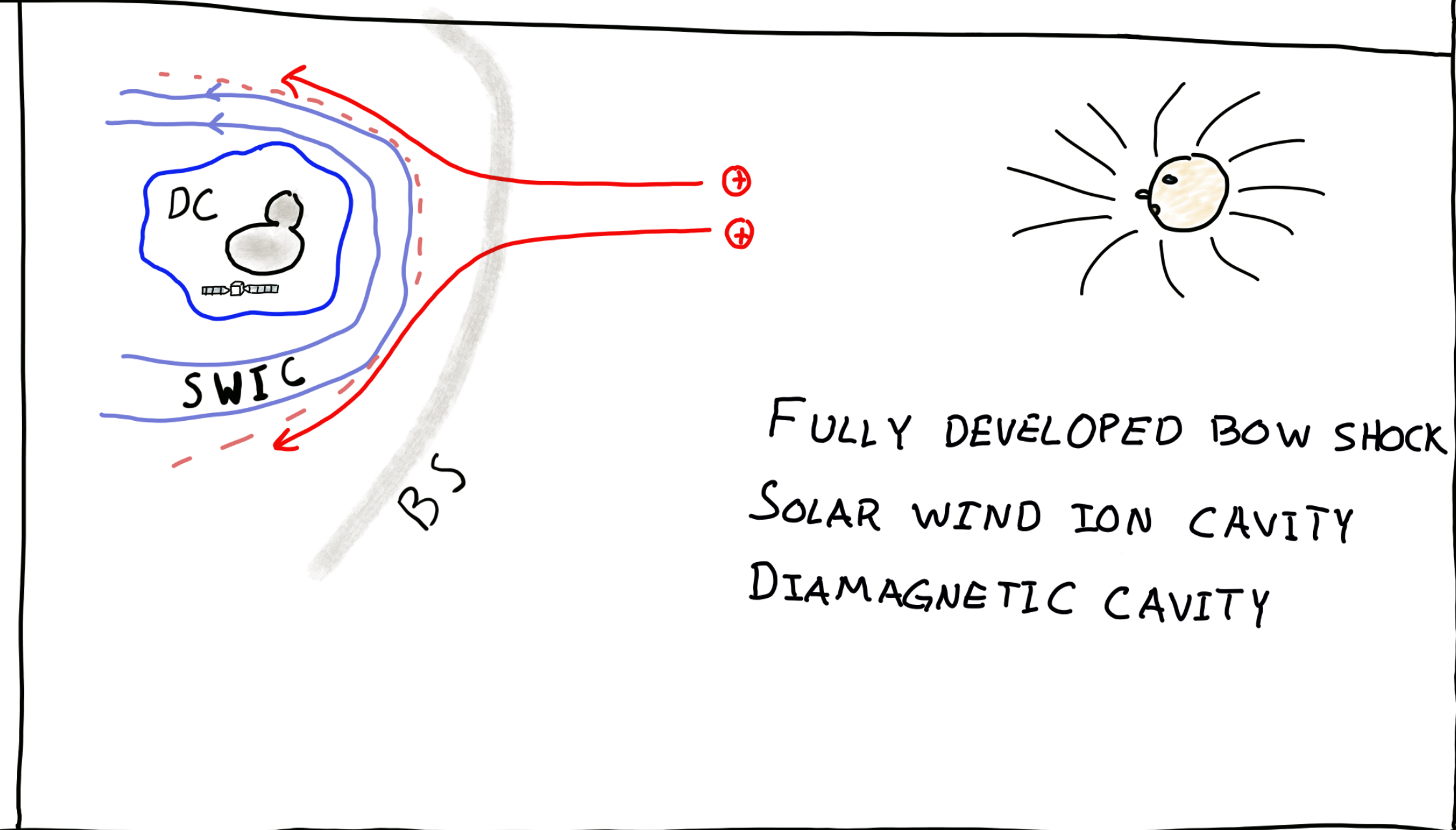
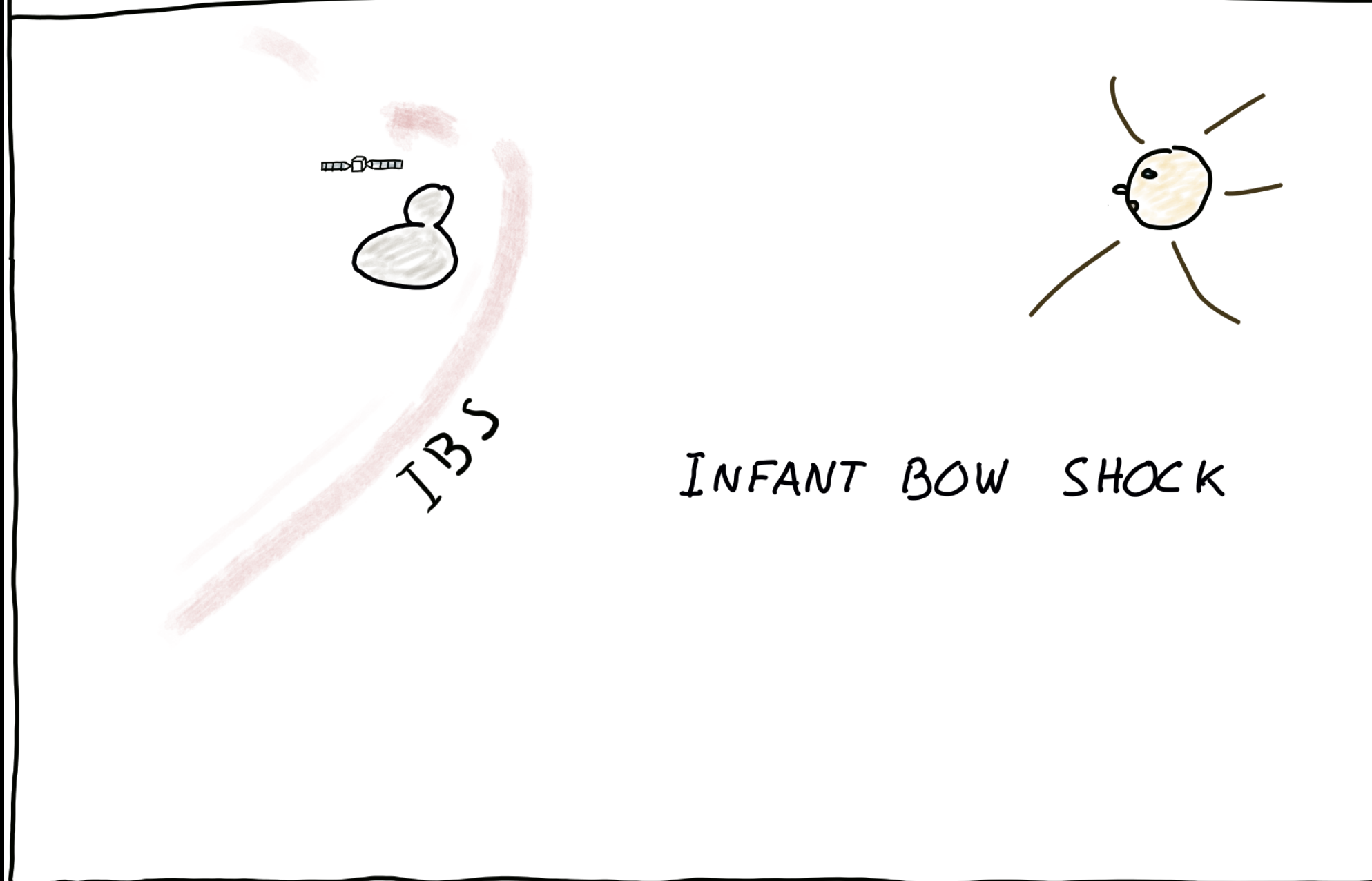
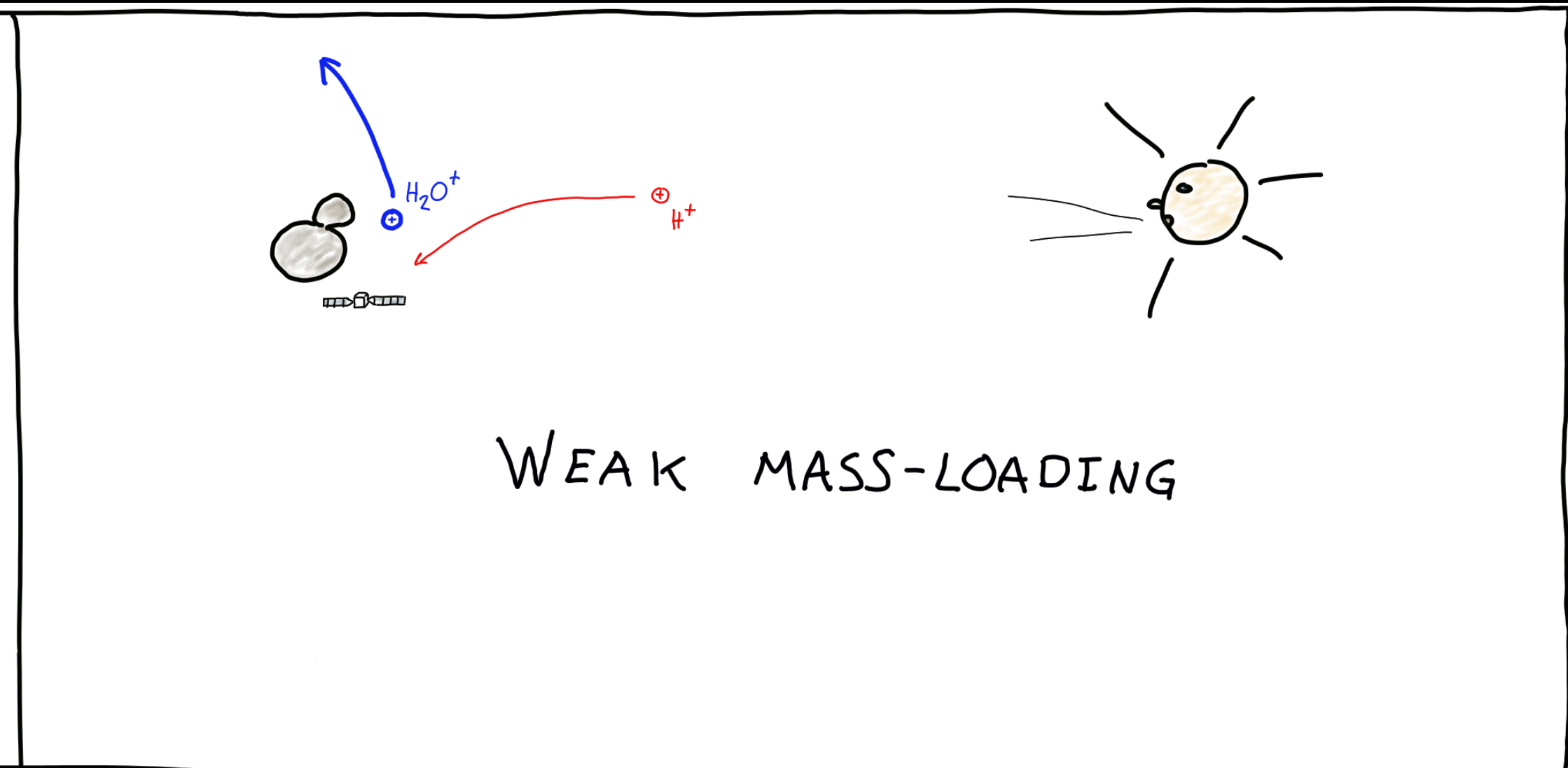
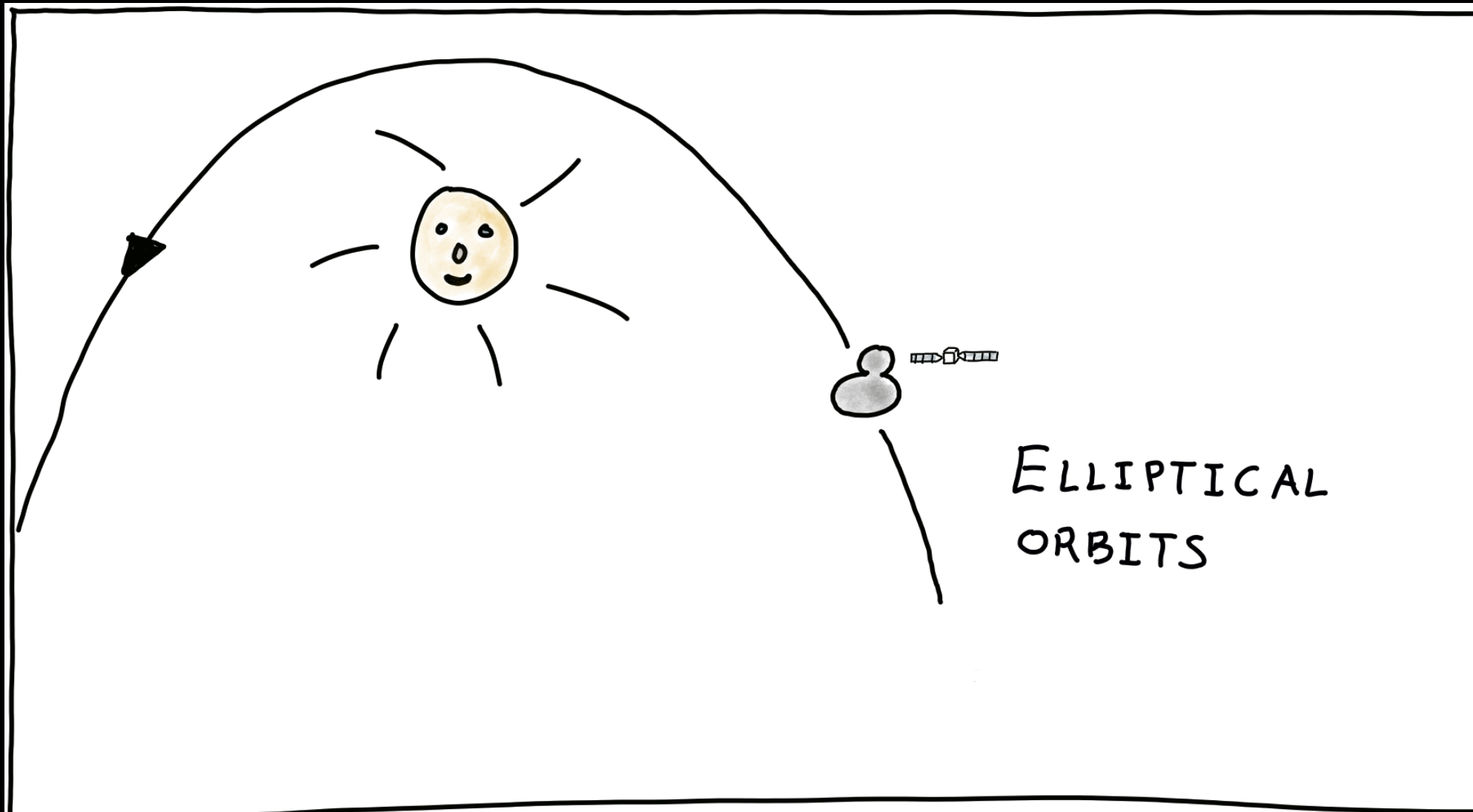


Plasma physics at comets

Waves and other features

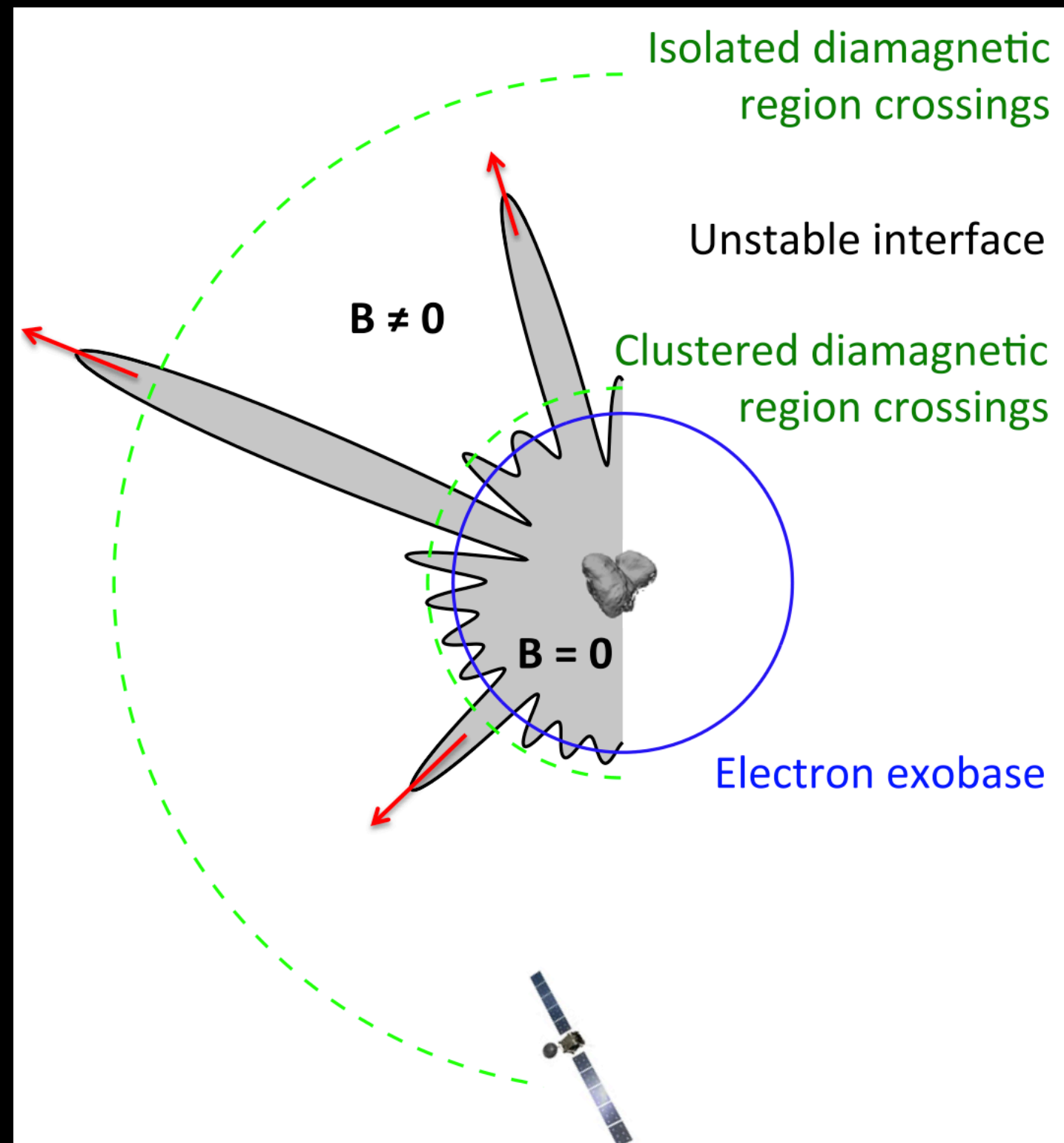
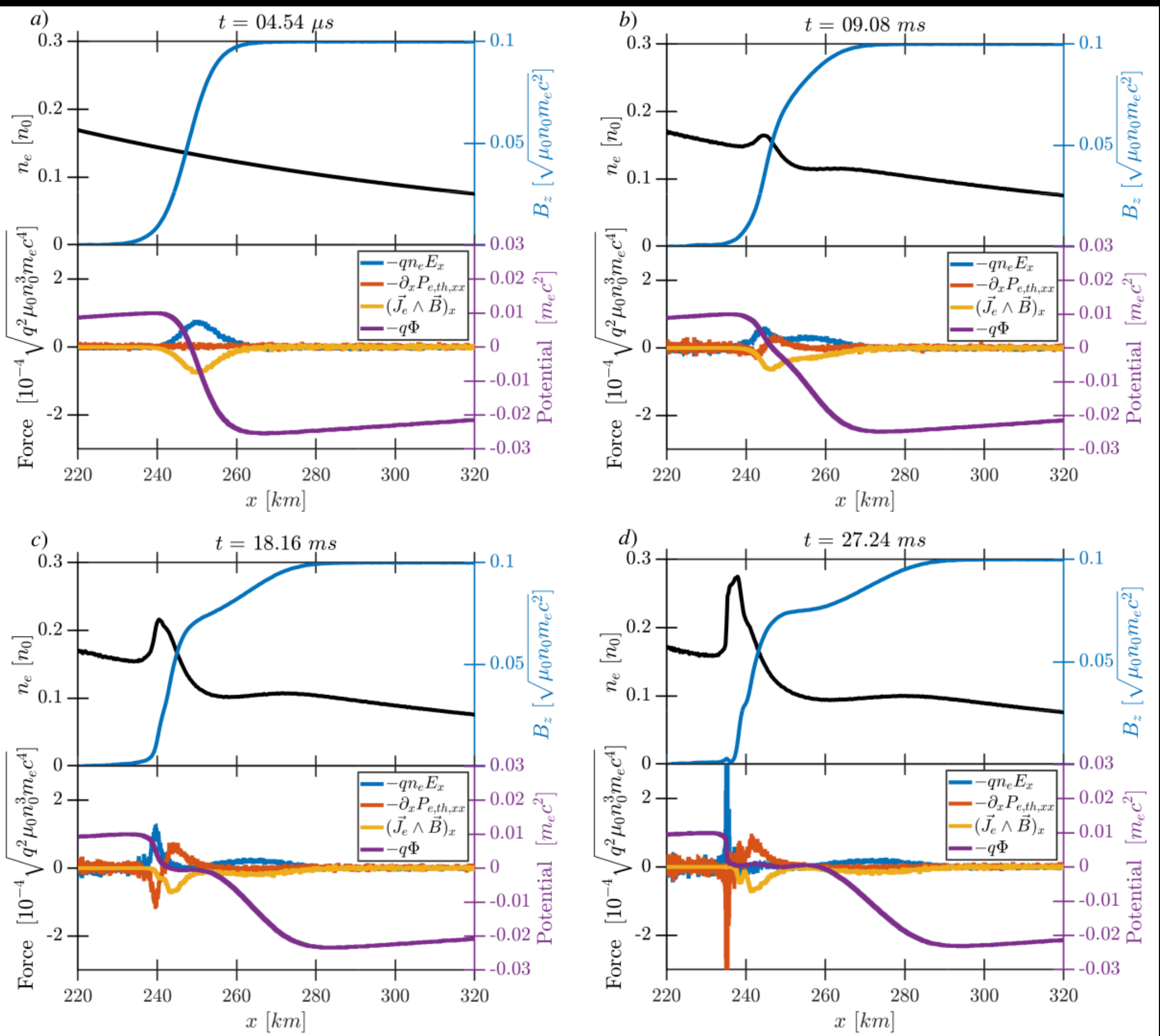
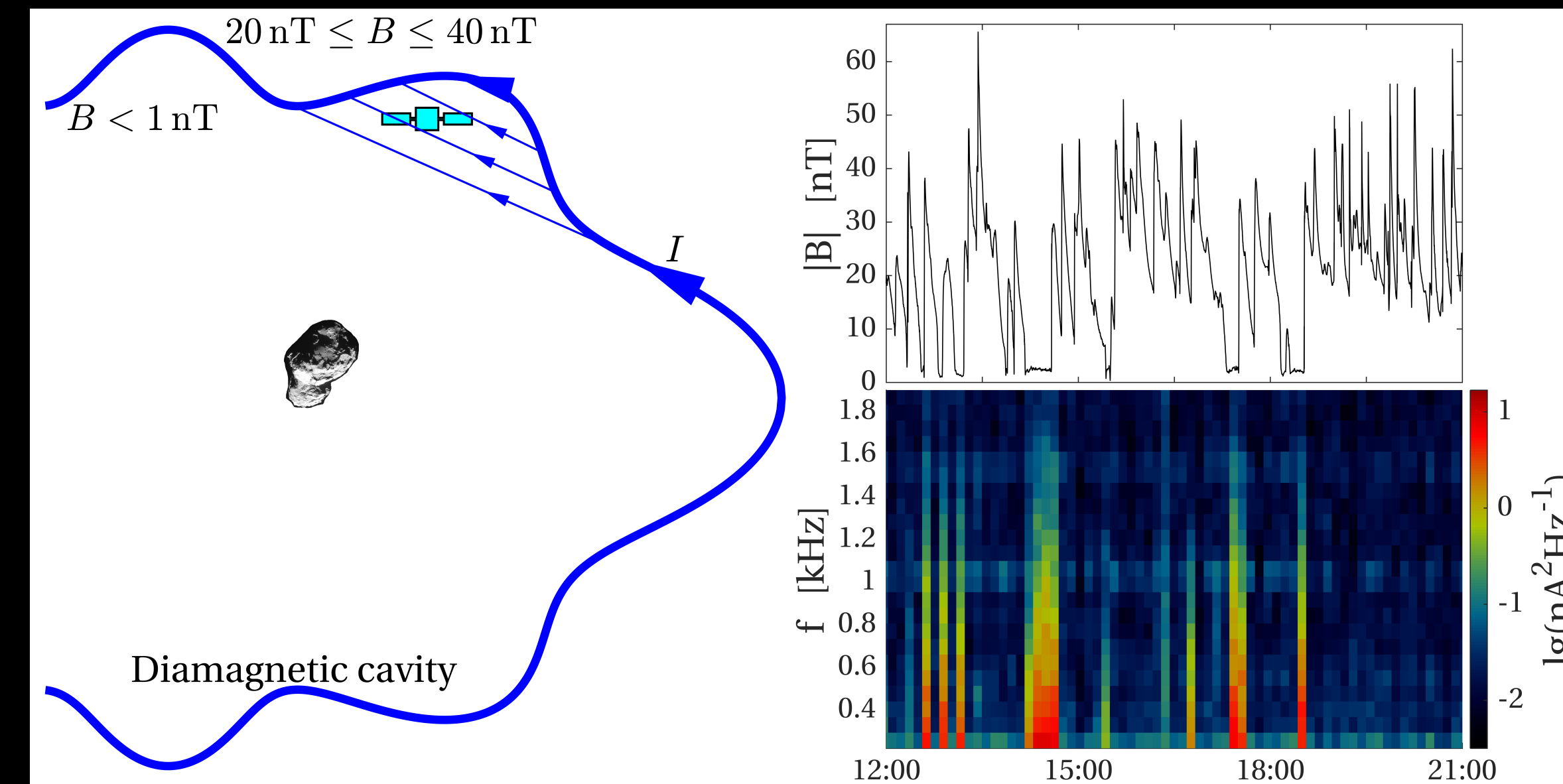
Herbert Gunell

Solar wind — comet interaction



The diamagnetic cavity

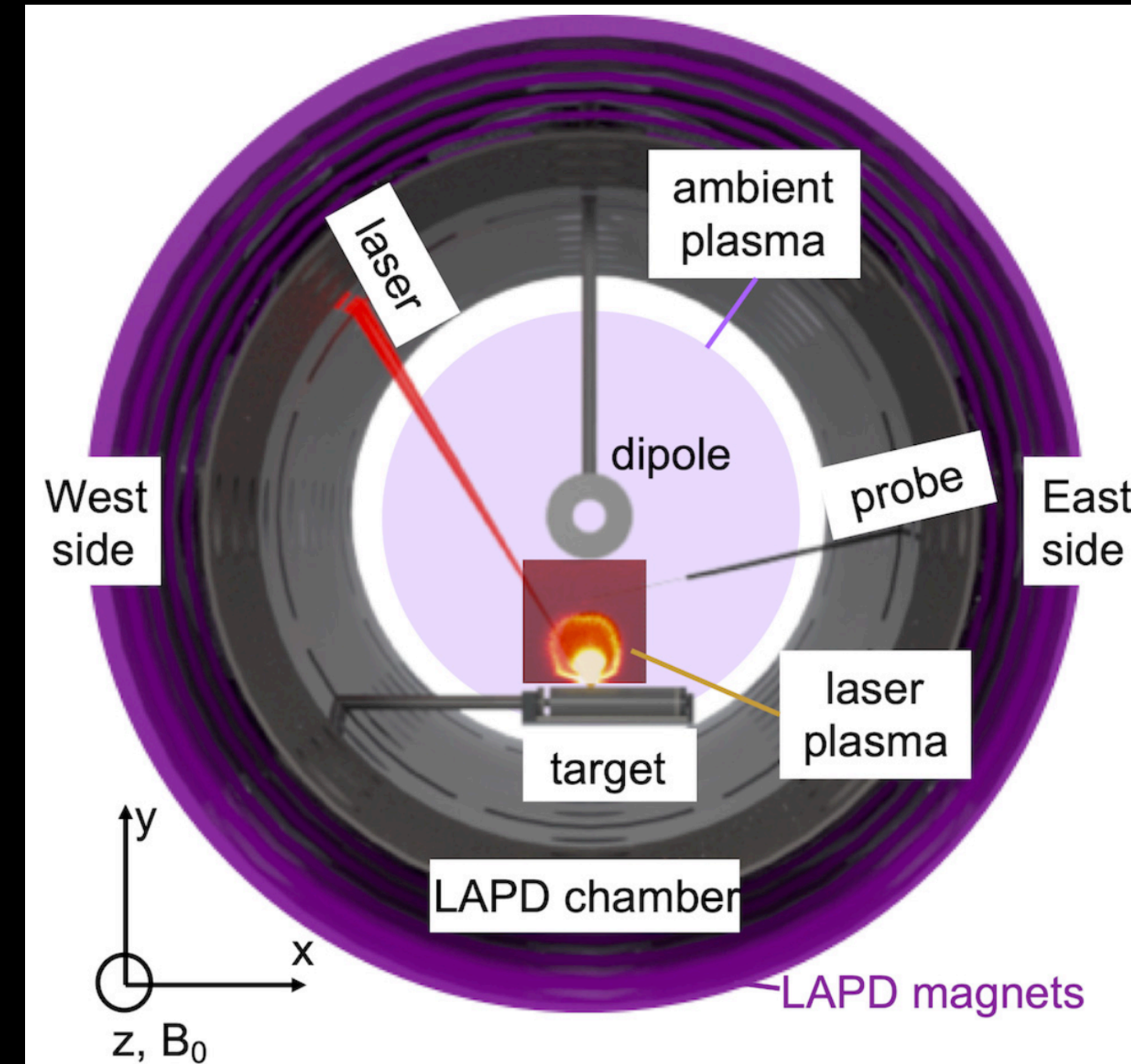
Rosetta observations



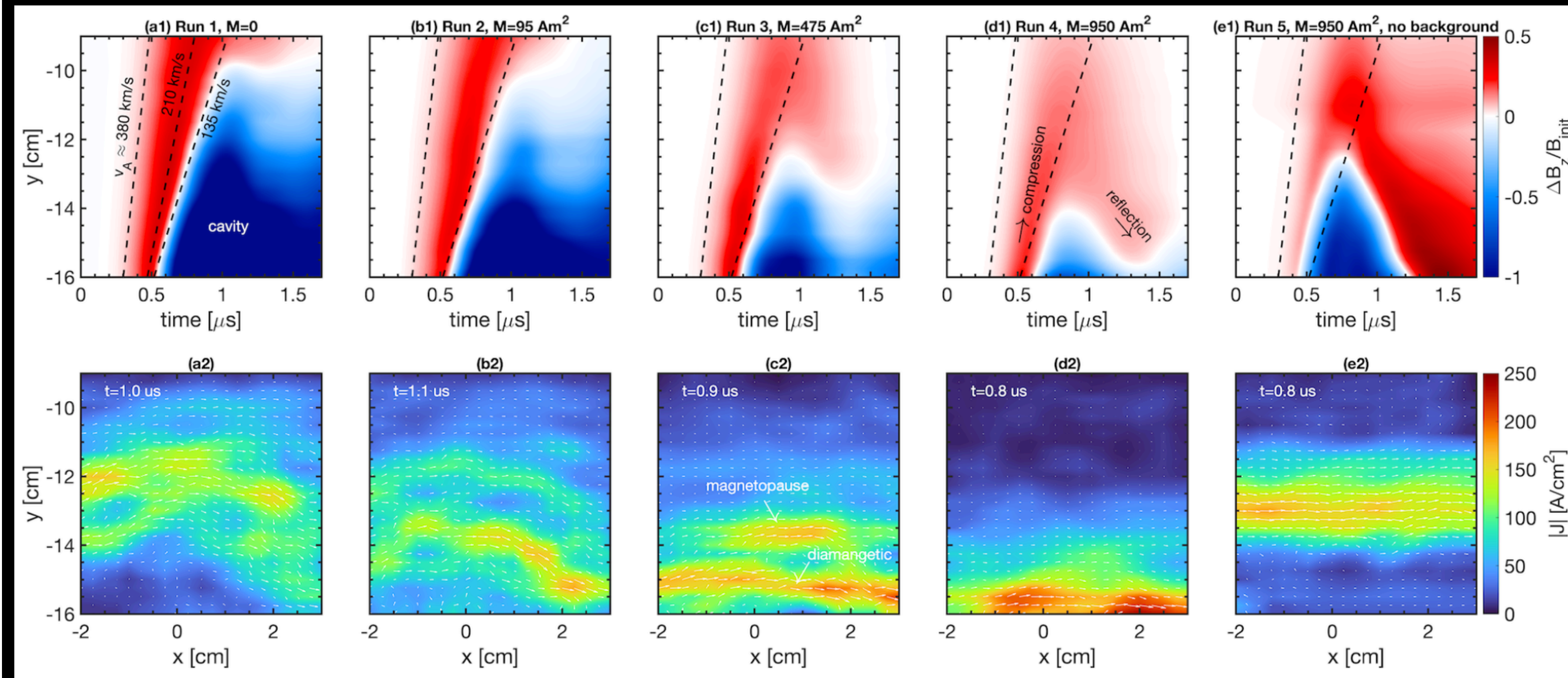
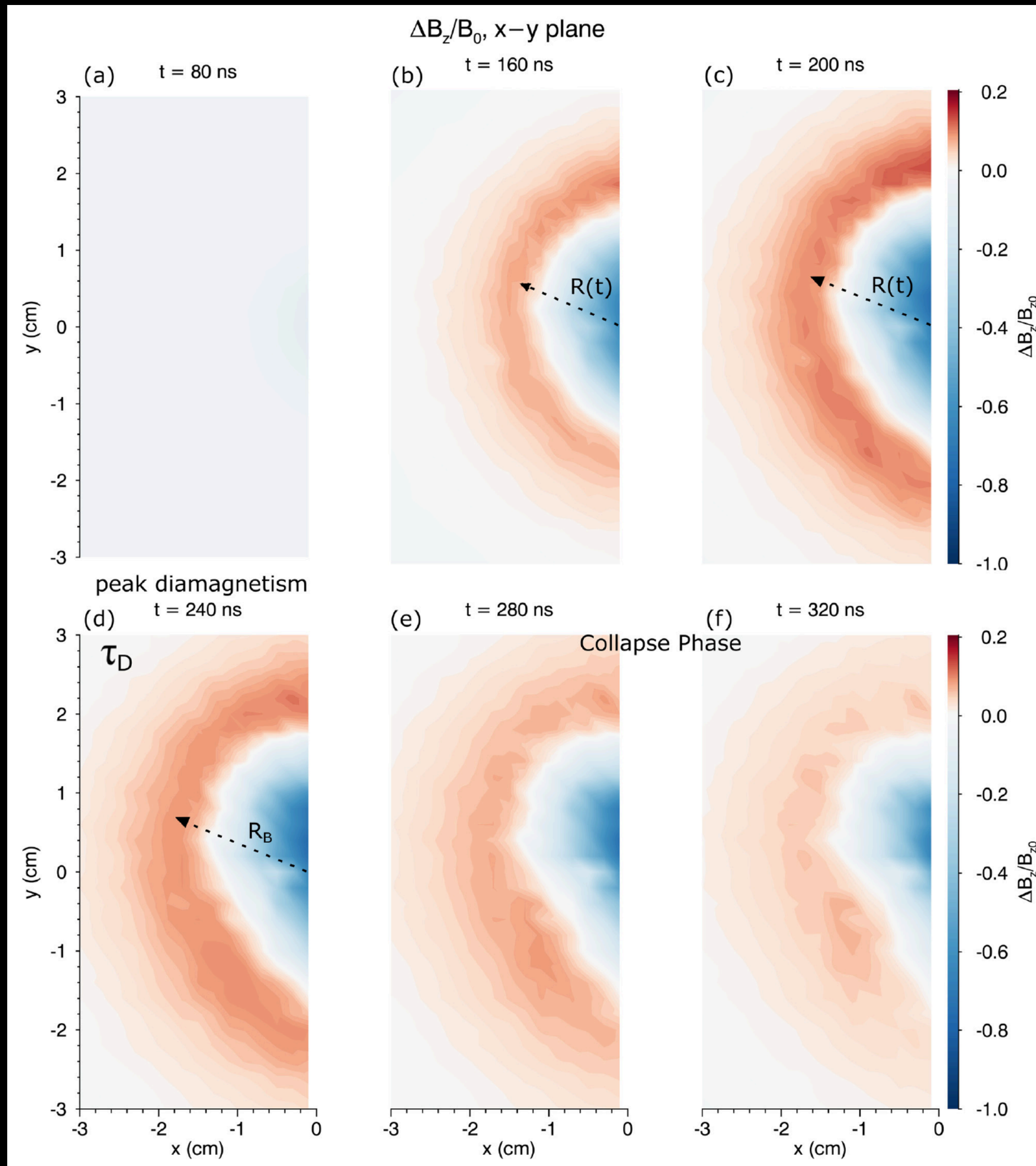
Beth et al. (2022)
 Henri et al. (2017)
 Goetz et al. (2022)

The diamagnetic cavity

Lab connection

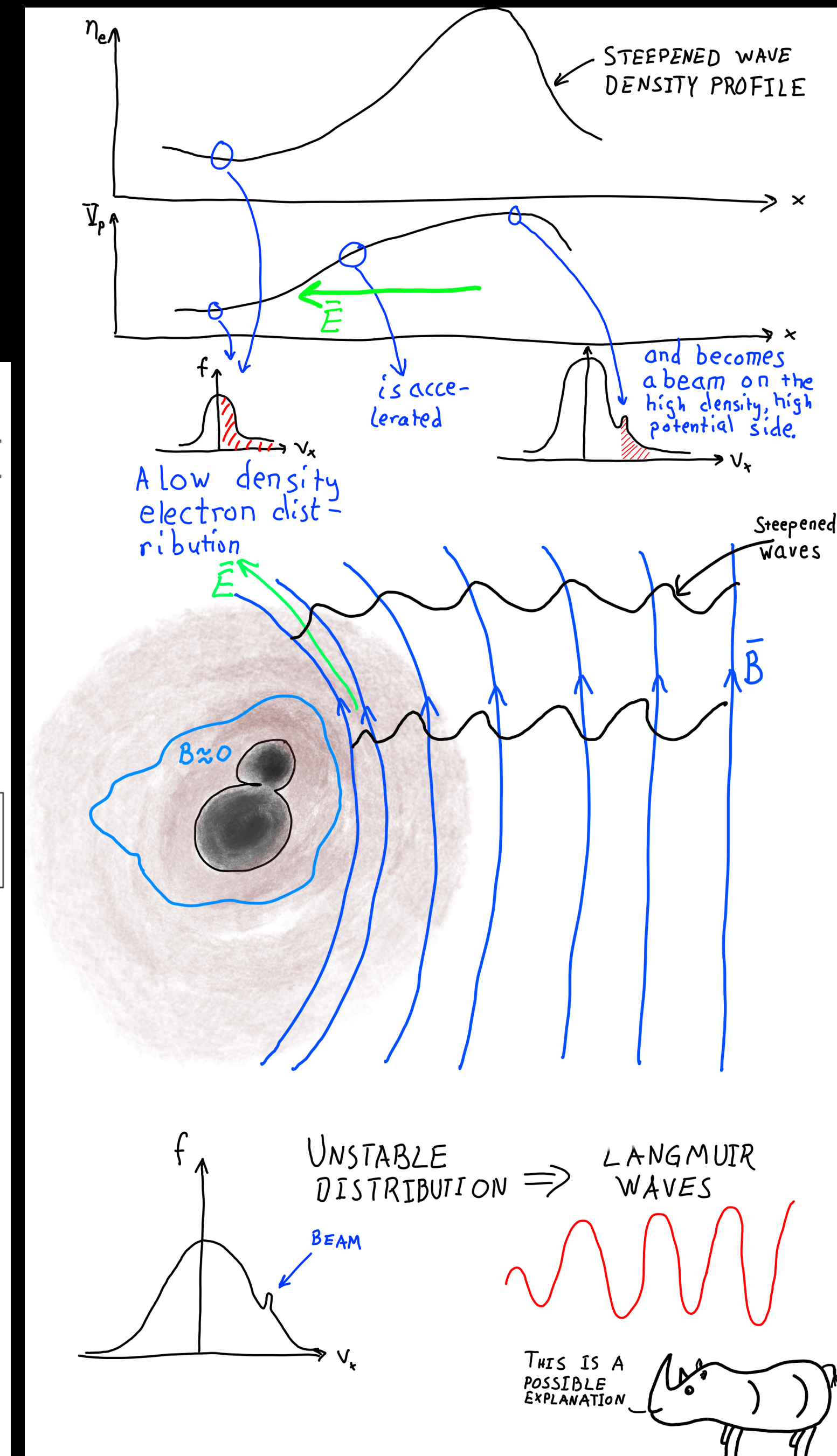
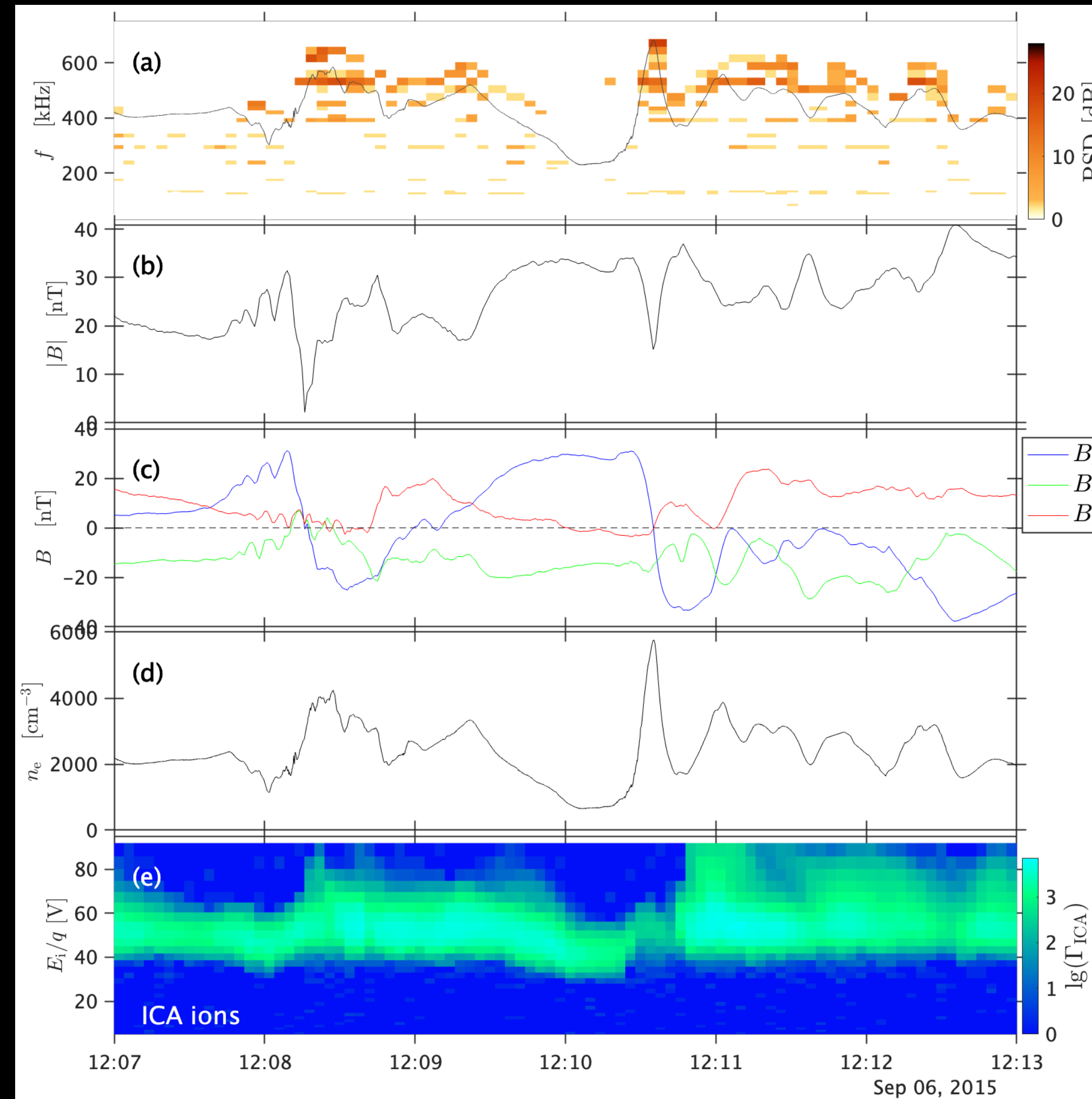
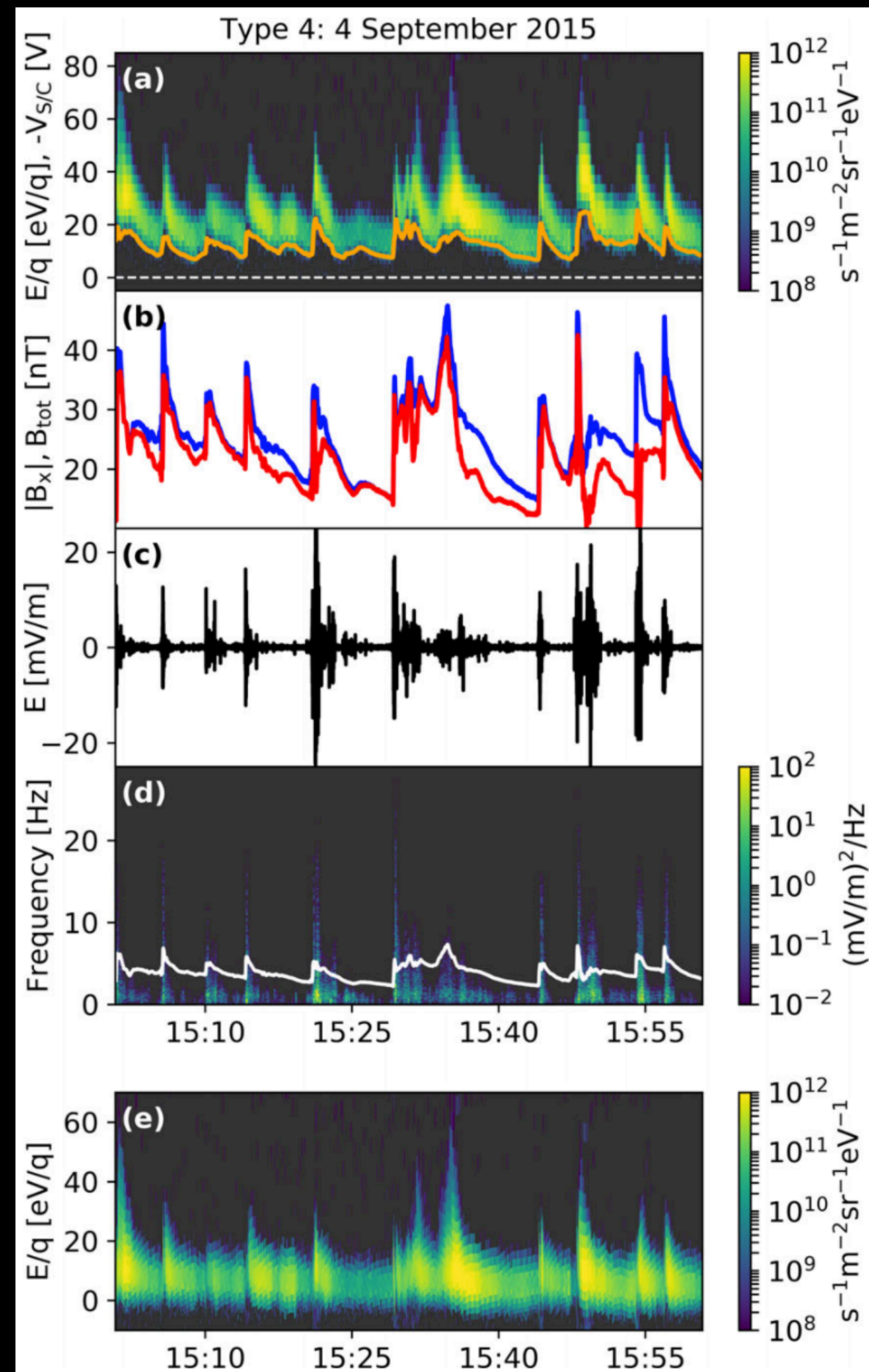


Pictures from Bonde et al. (2018)
and Schaeffer et al. (2022)



Steepened waves

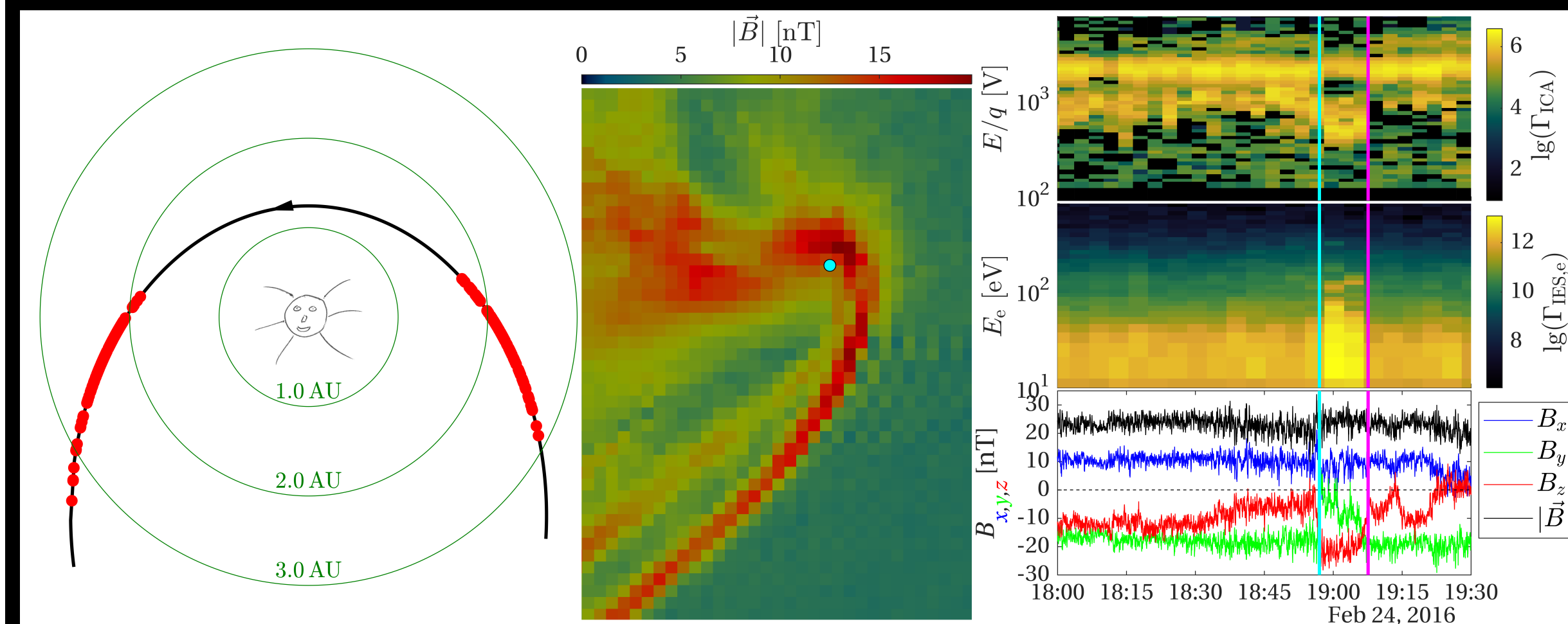
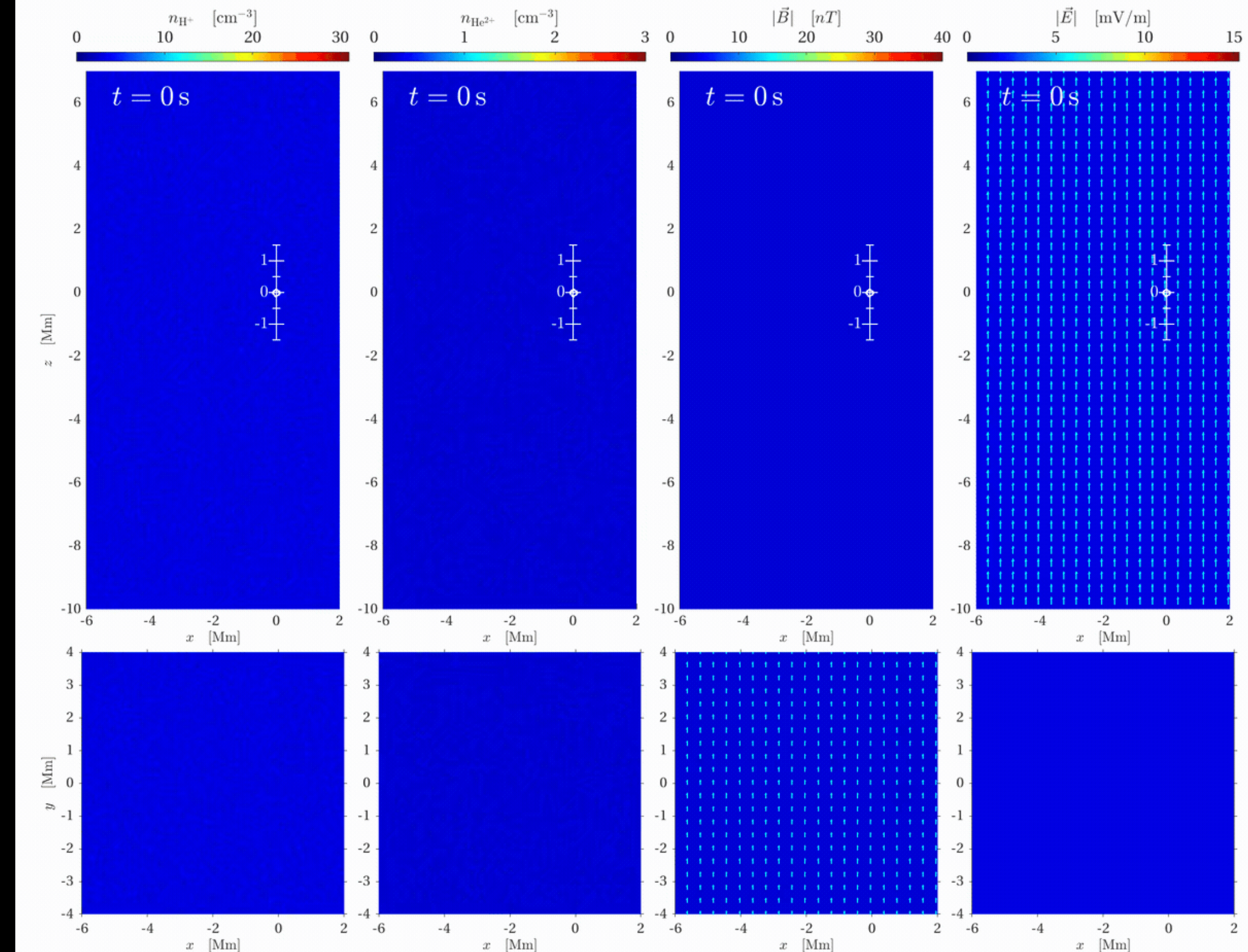
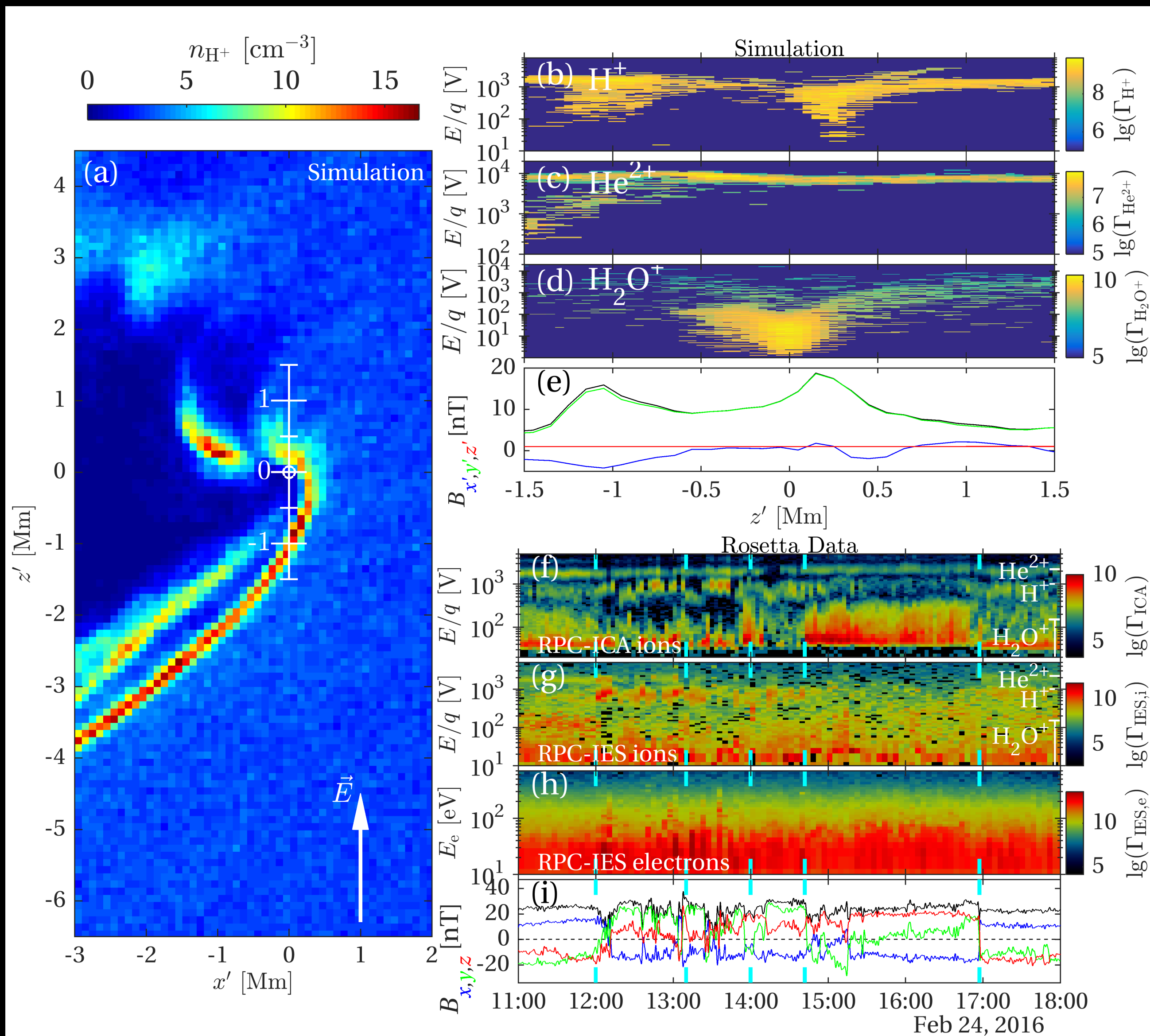
And Langmuir waves too



Stenberg Wieser et al. (2017)

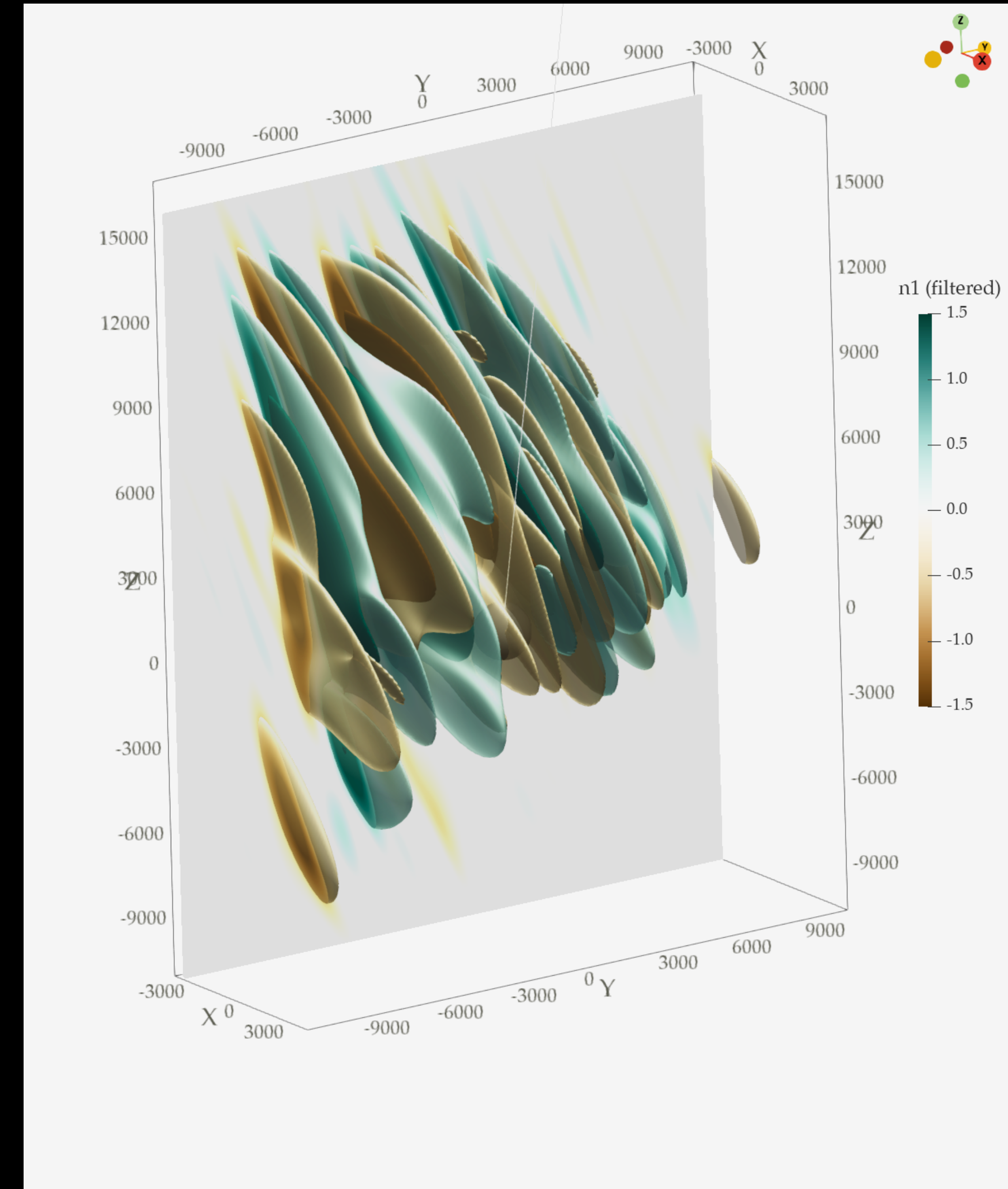
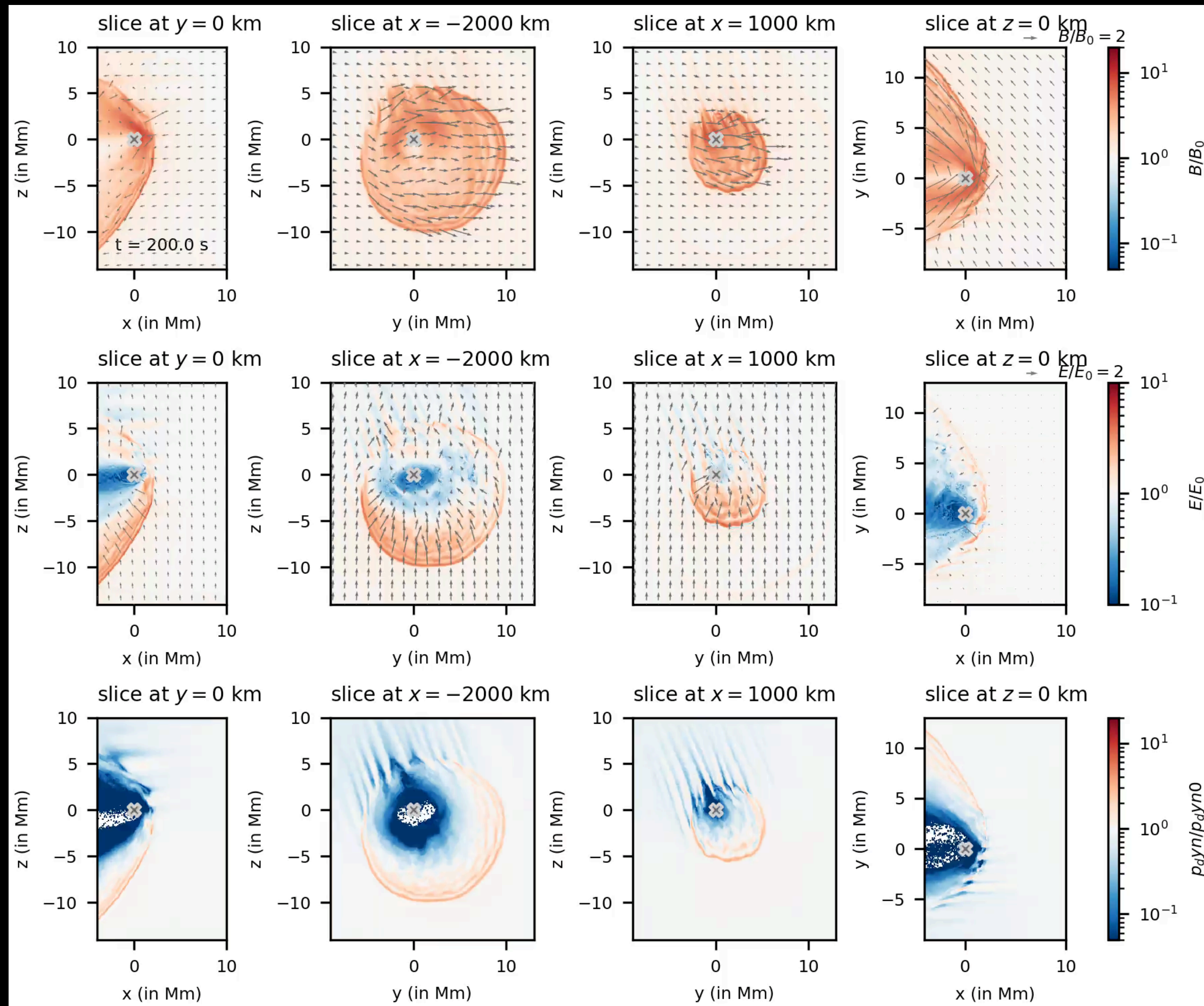
Gunell et al. (2025)

The Infant Bow Shock



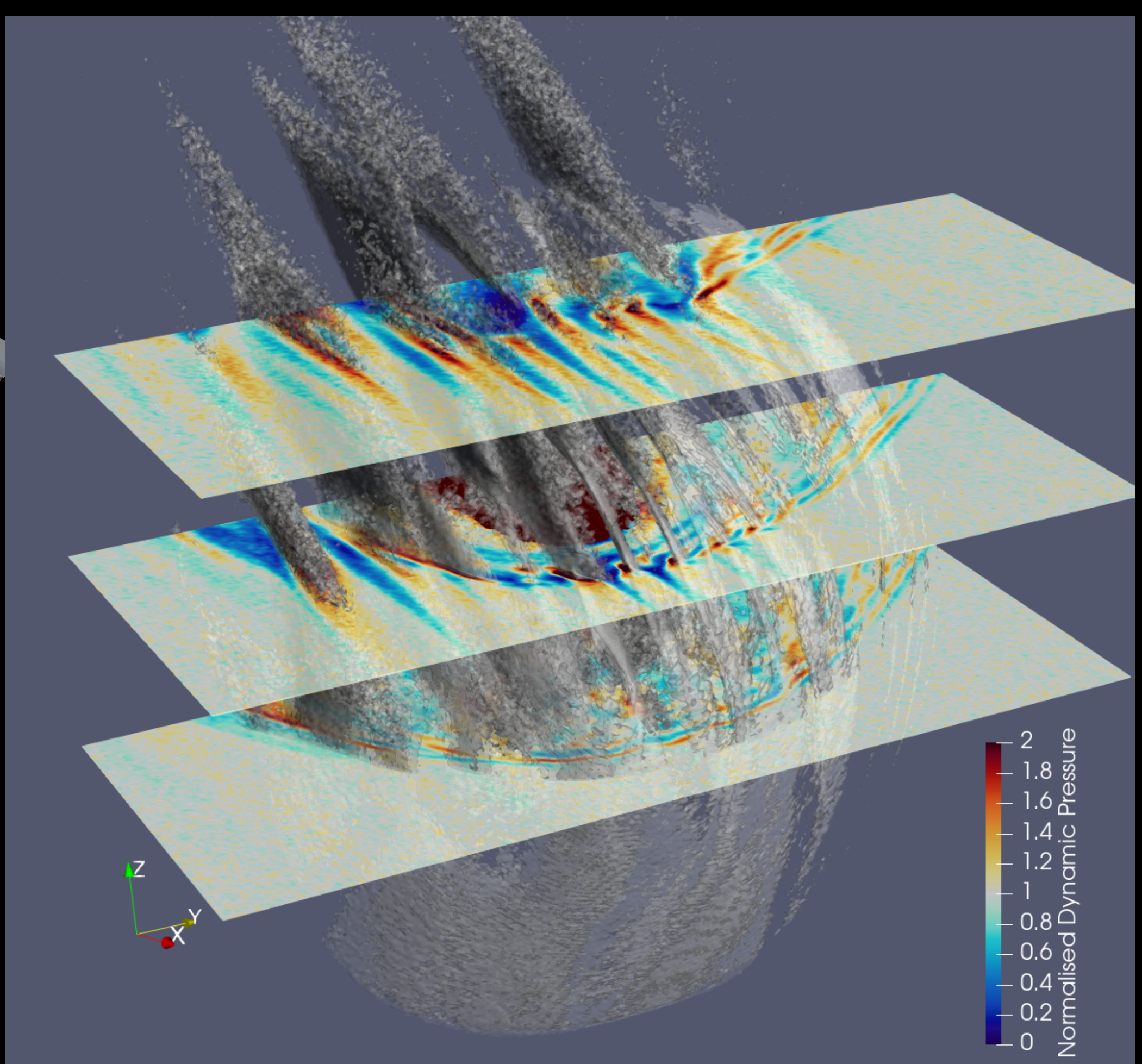
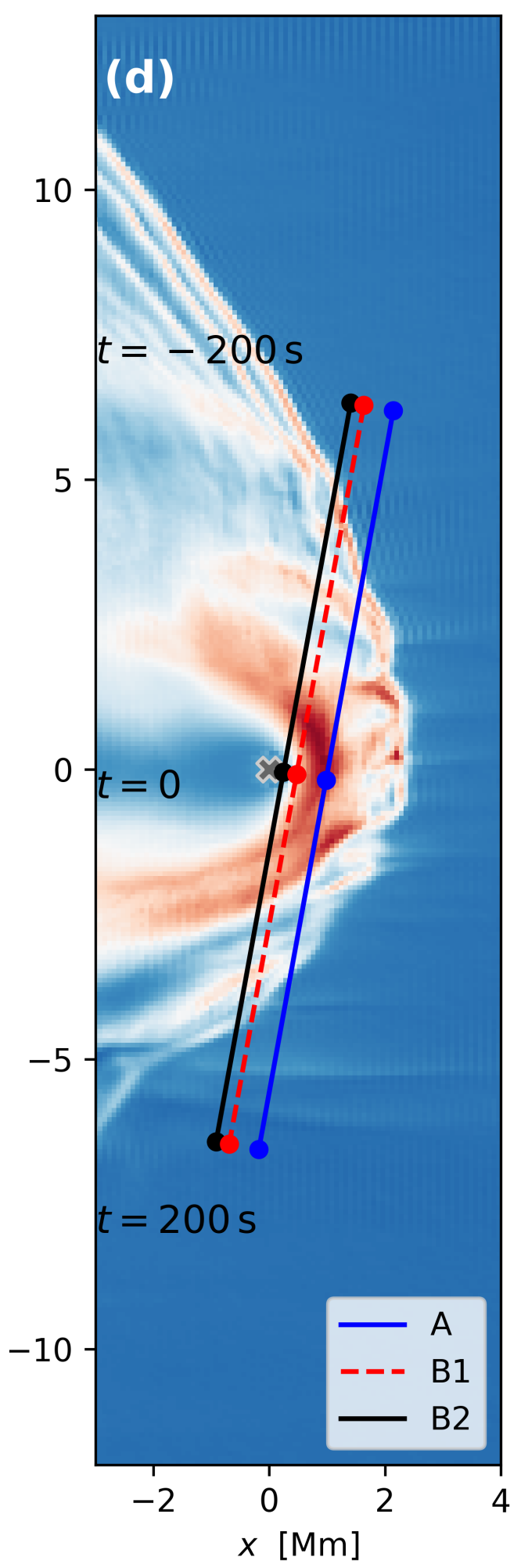
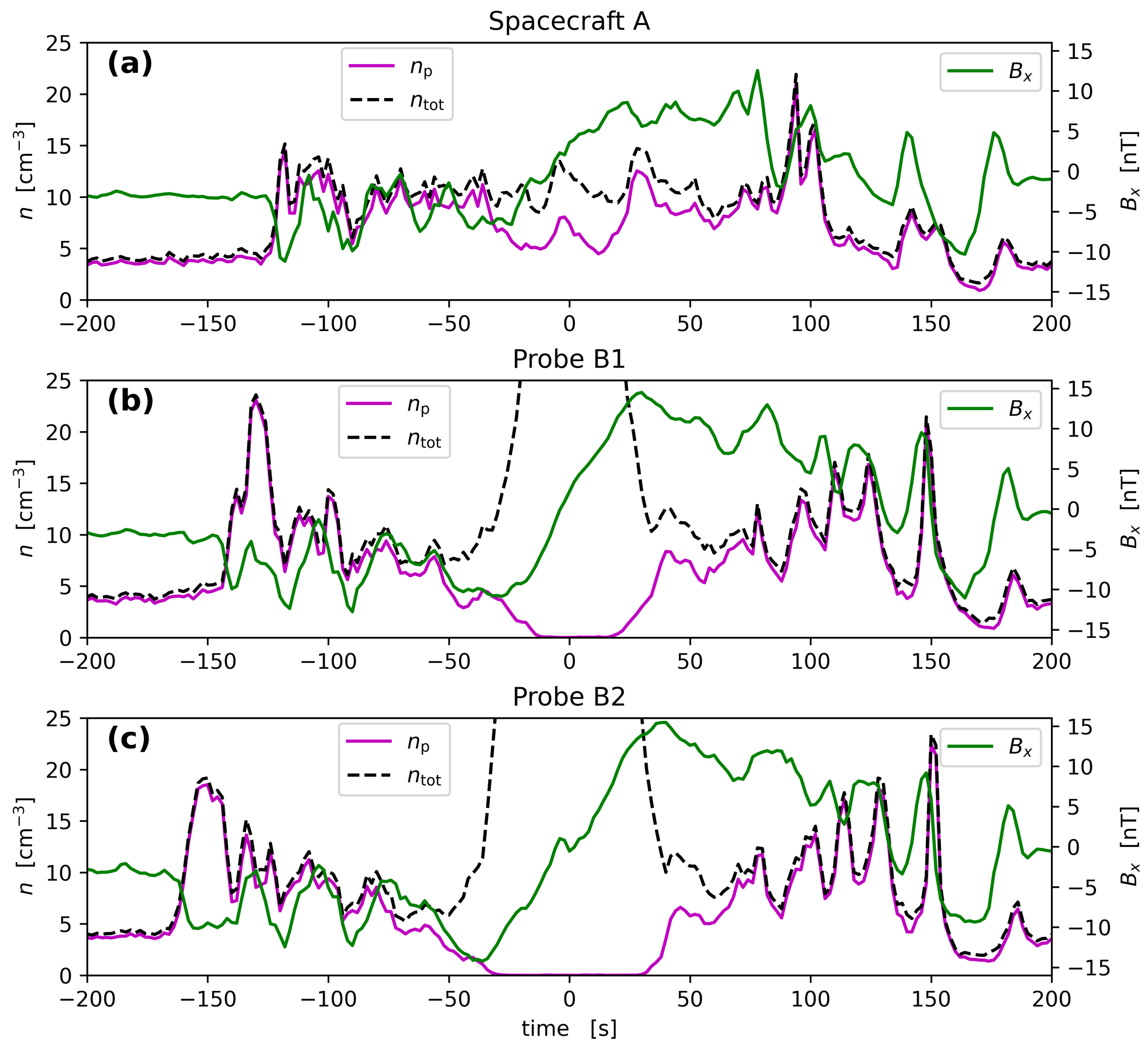
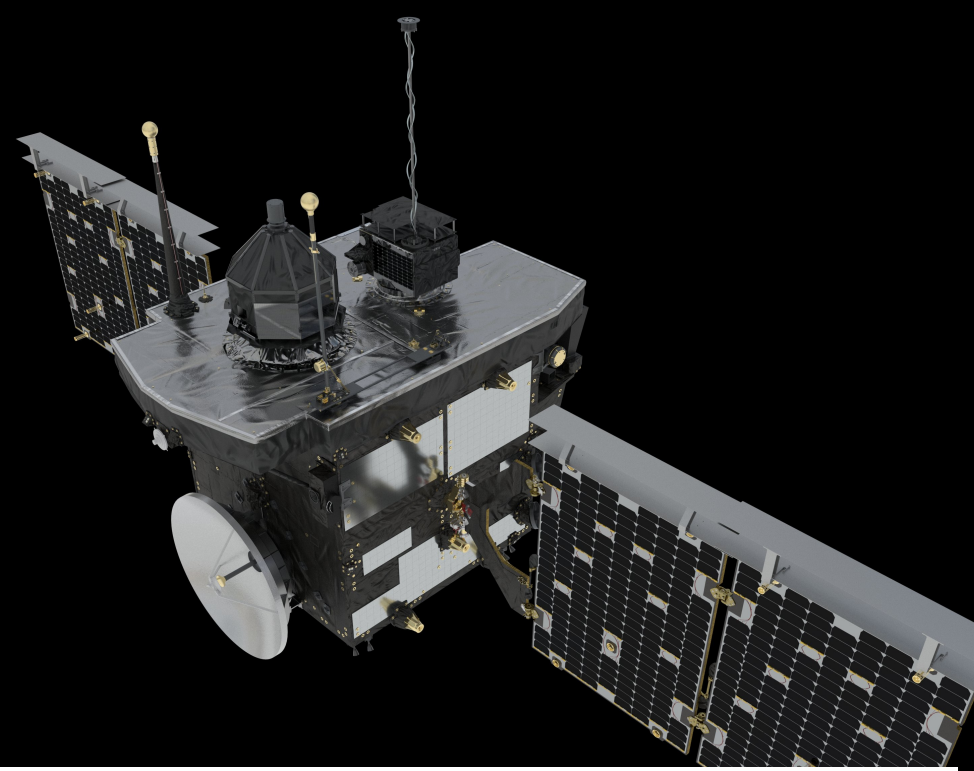
Gunell et al. (2018), Goetz et al. (2022)

Singing comet waves?



Moeslinger et al., in preparation (2026)

Jets



Gunell et al., in preparation (2026)

The questions in Luca's email

- What are your research interests in the area of turbulence and kinetic processes?

Waves, shocks, cavities, and jets at comets

- Where do you see synergies between your research and other plasma-physics communities?

Things could be learned from laser—plasma experiments

