- The magneto-thermal instability injects at rather large scales $\ell_i \gtrsim 100$ kpc with moderate intensities $v|_{\mathrm{rms}} = \mathcal{O}(100\ \mathrm{km/s})$.

1

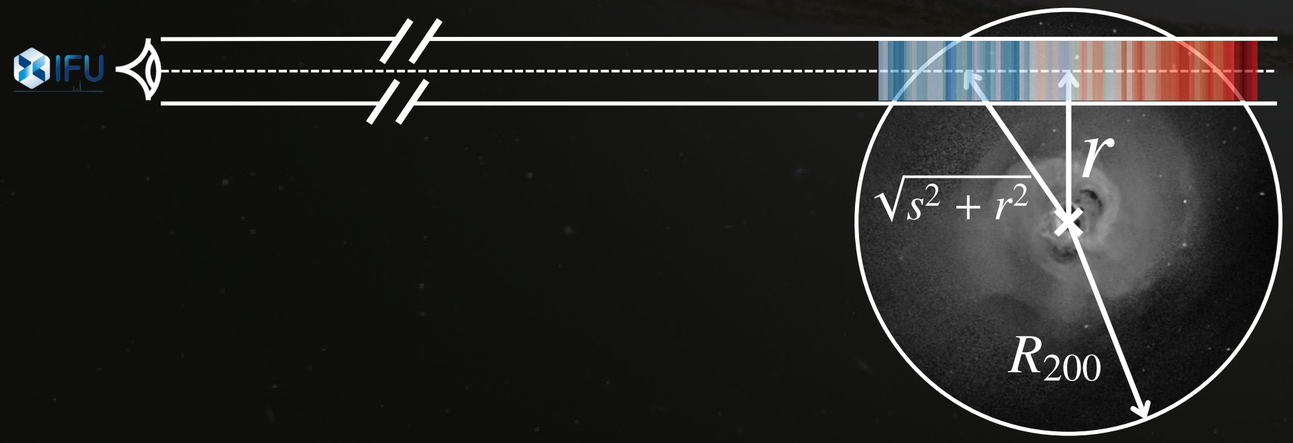
- At large radii, the line of sight is aligned with the azimuthal (horizontal) direction wherever the plasma emissivity is higher :

$$v_{\mathrm{los}}|_{\mathrm{rms}} \sim v|_{\mathrm{rms}}/2 \sim \mathcal{O}(50\ \mathrm{km/s}).$$

2

- Turbulent fluctuations will statistically cancel each other when observing along the line of sight s :

3



$$v_{\mathrm{ew}}|_{\mathrm{rms}} = \mathcal{O}(10\ \mathrm{km/s}).$$

4