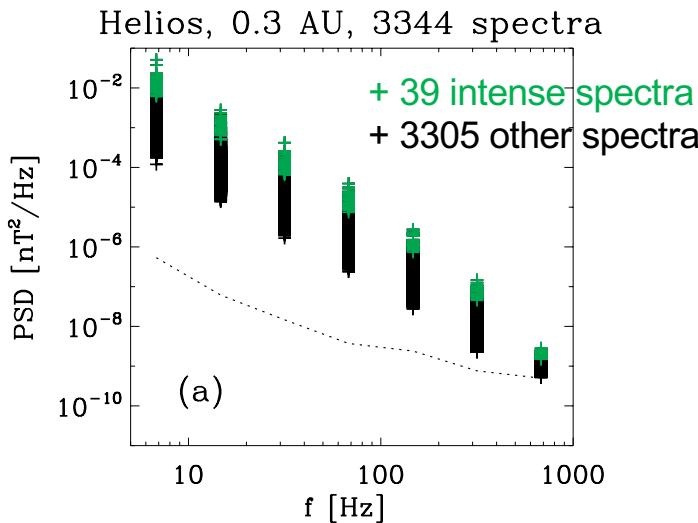


EGU21-12072 Spectrum of kinetic plasma turbulence at 0.3-0.9 AU from the Sun

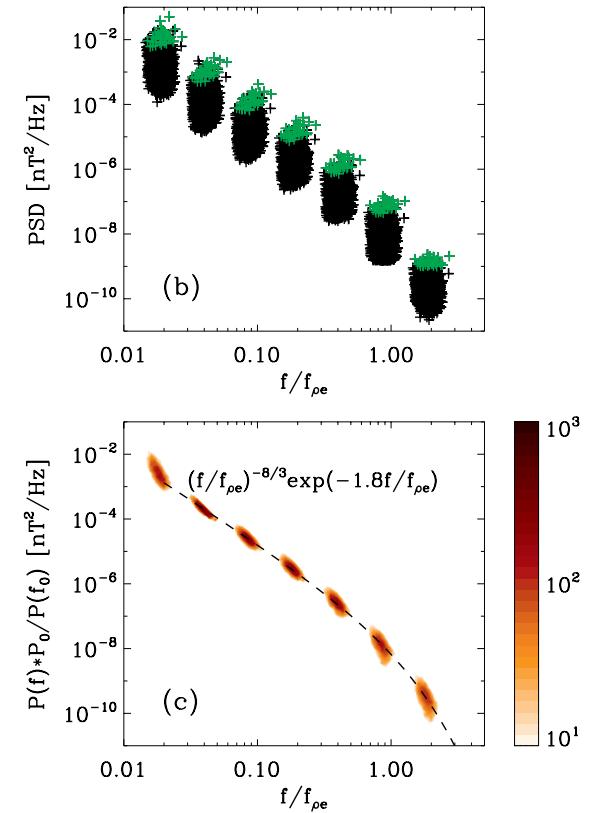
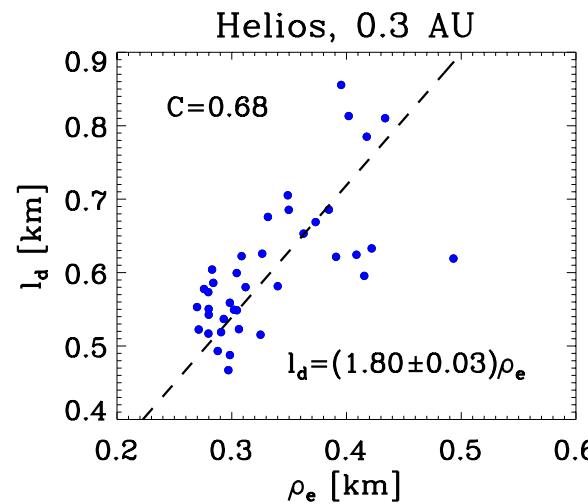
Olga Alexandrova, Vamsee Krishna Jagarlamudi, Petr Hellinger, Milan Maksimovic, Yuri Shprits, and Andre Mangeney



$$Af^{-8/3} \exp(-f/f_d)$$

$$\ell_d = V/(2\pi f_d)$$

[Alexandrova et al. 2021, PRE, in press]
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- We consider 3344 individual Helios/SCM spectra at 0.3 AU up to ~ 700 Hz.
- We show that :
- At 0.3 AU, kinetic spectrum follows similar law as at 1 AU \Rightarrow universality of the phenomenon
 - The electron Larmor radius plays the role of the dissipation scale ℓ_d in solar wind plasma