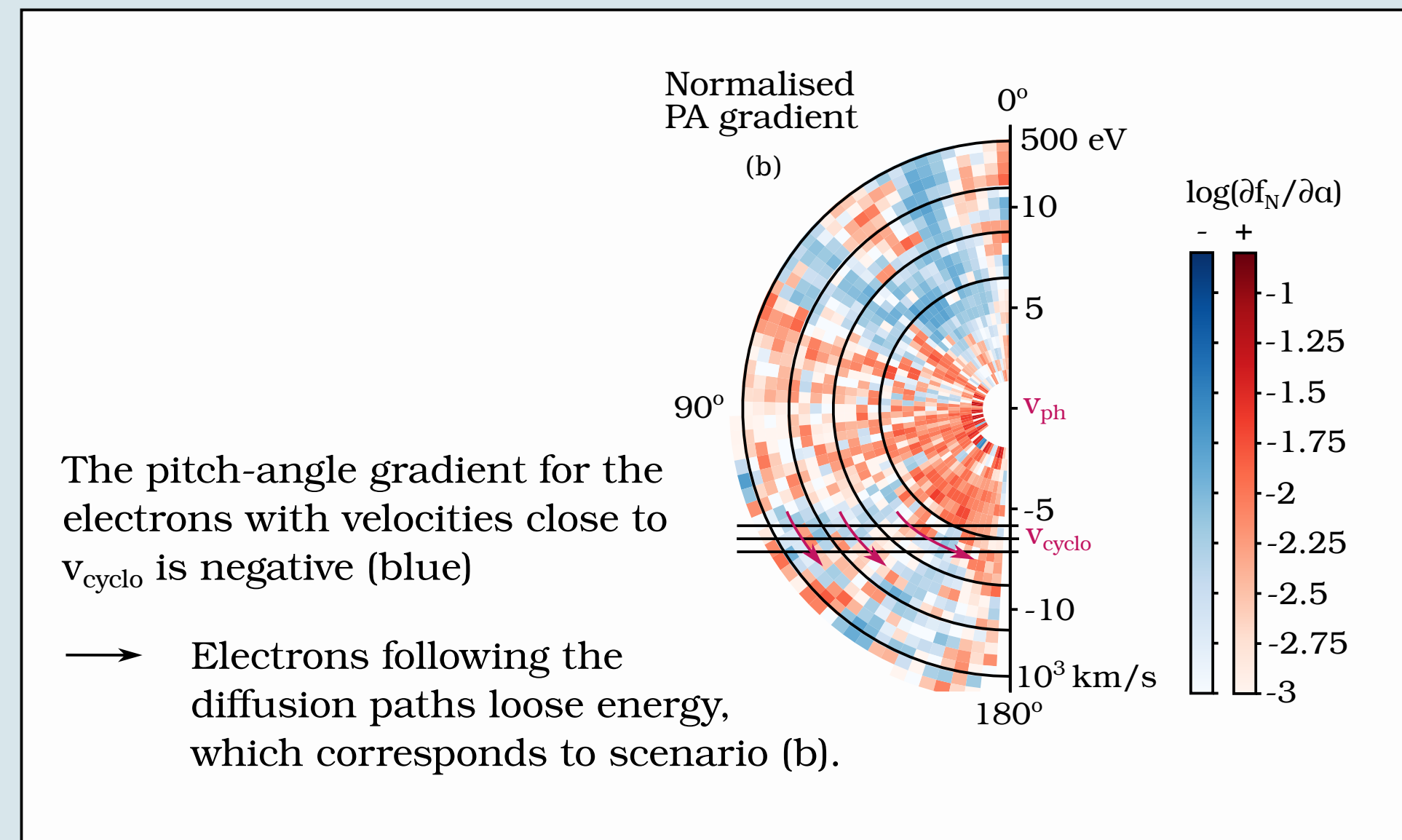


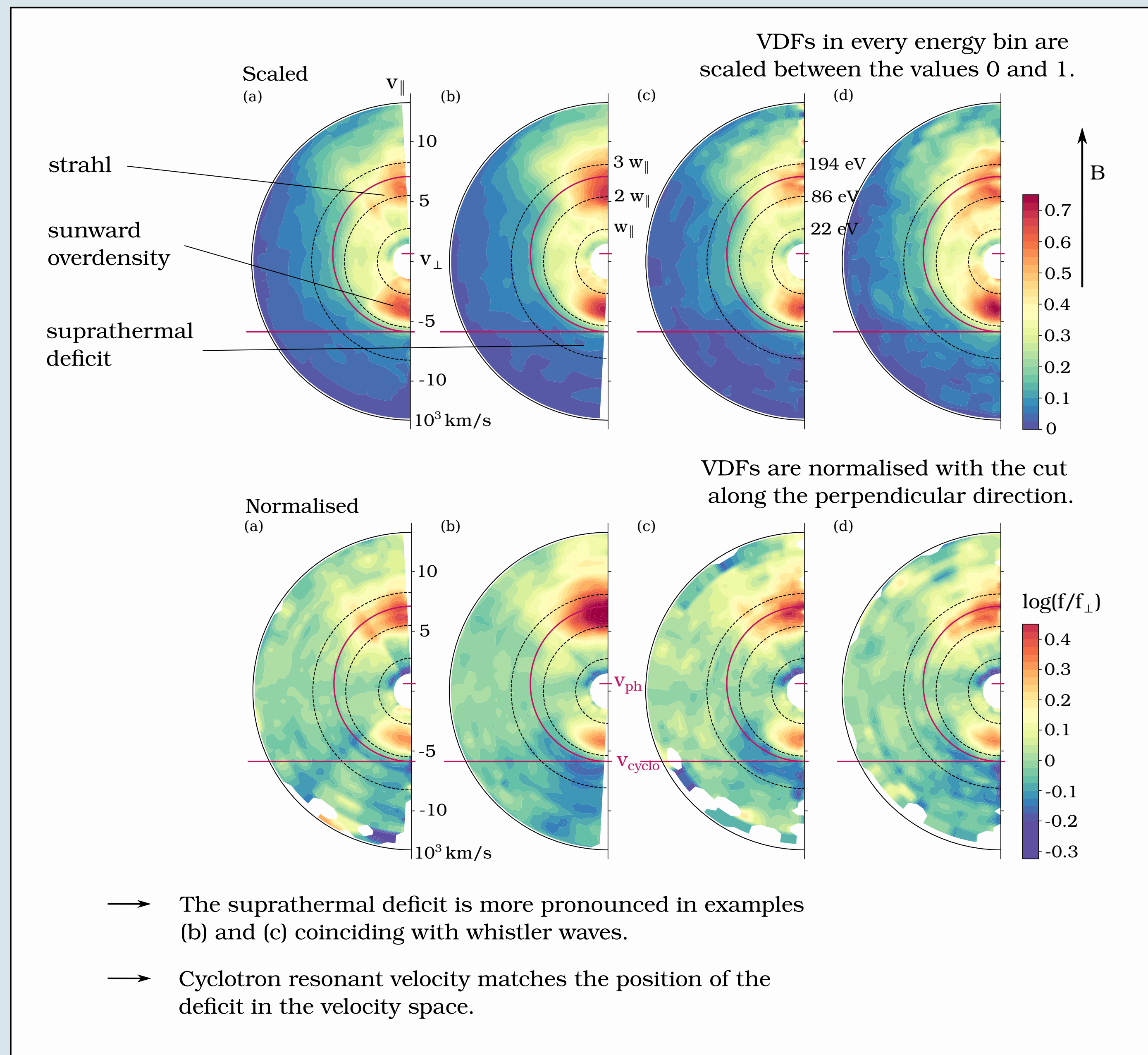
Whistler instability driven by the suprathermal electron deficit in the solar wind

L. Berčič¹, D. Verscharen^{1,2}, C. J. Owen¹, L. Colombari³, M. Kretschmar³, T. Chust⁴, M. Maksimovic⁵, D. O.Kataria¹, C. Anekallu¹, E. Behar^{6,7}, M. Berthomier⁴, R. Bruno⁸, V. Fortunato⁹, C. W. Kelly¹, Y. V. Khotyaintsev¹⁰, G. R. Lewis¹, S. Livi¹¹, P. Louarn¹², G. Mele¹³, G. Nicolaou¹¹, G. Watson¹, and R. T. Wicks¹⁴

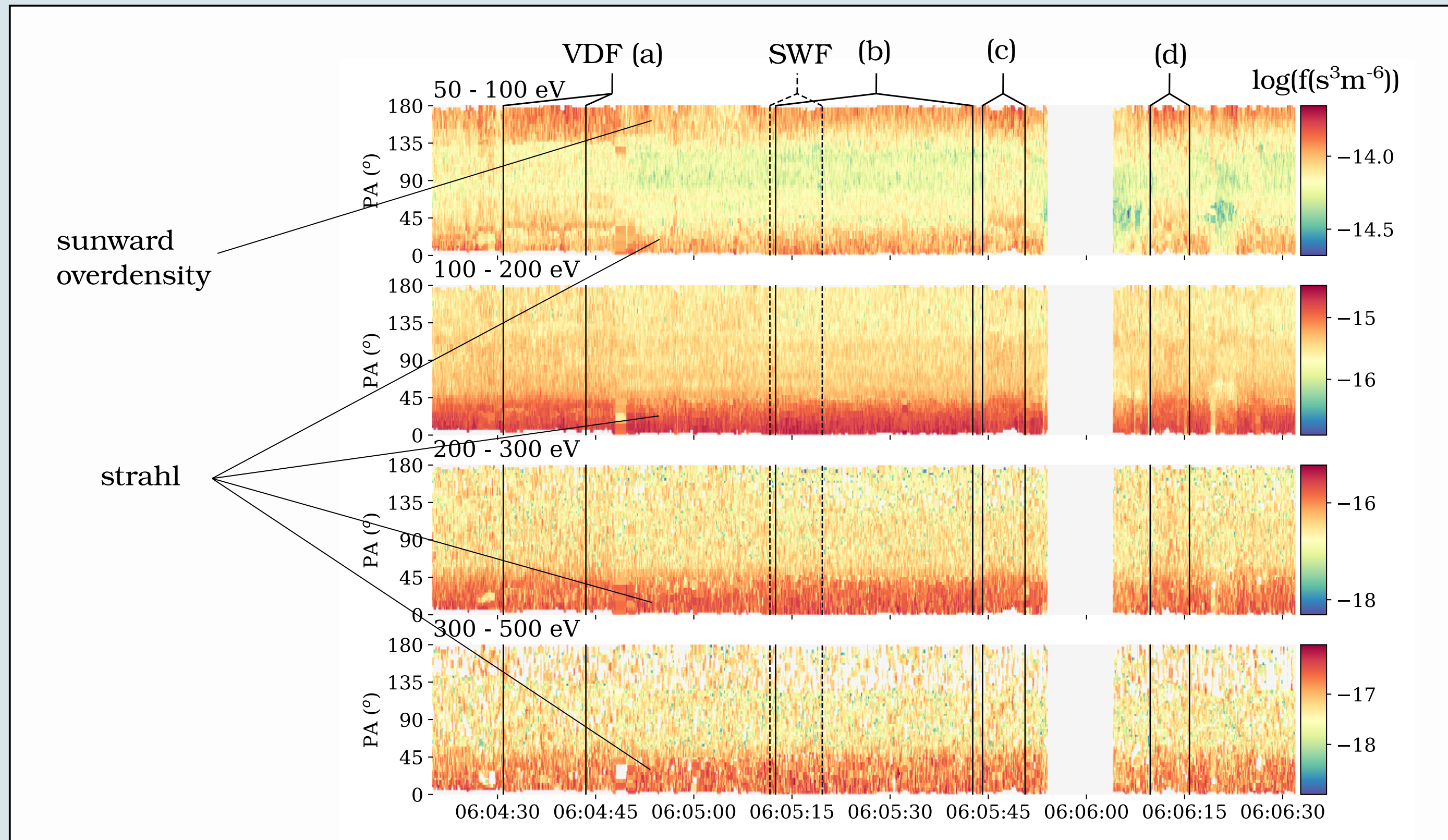
UCL



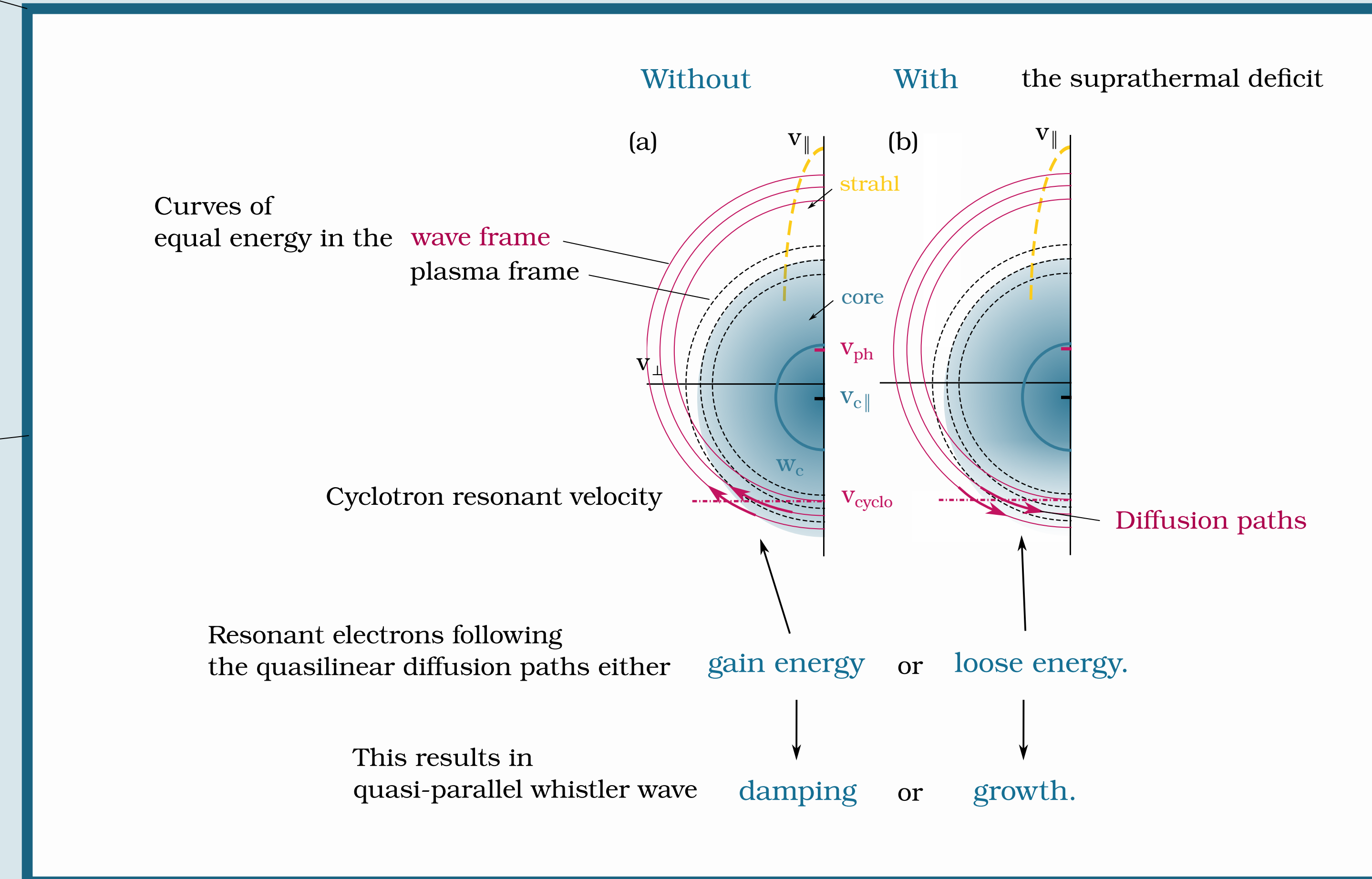
VDFs averaged over the selected subintervals



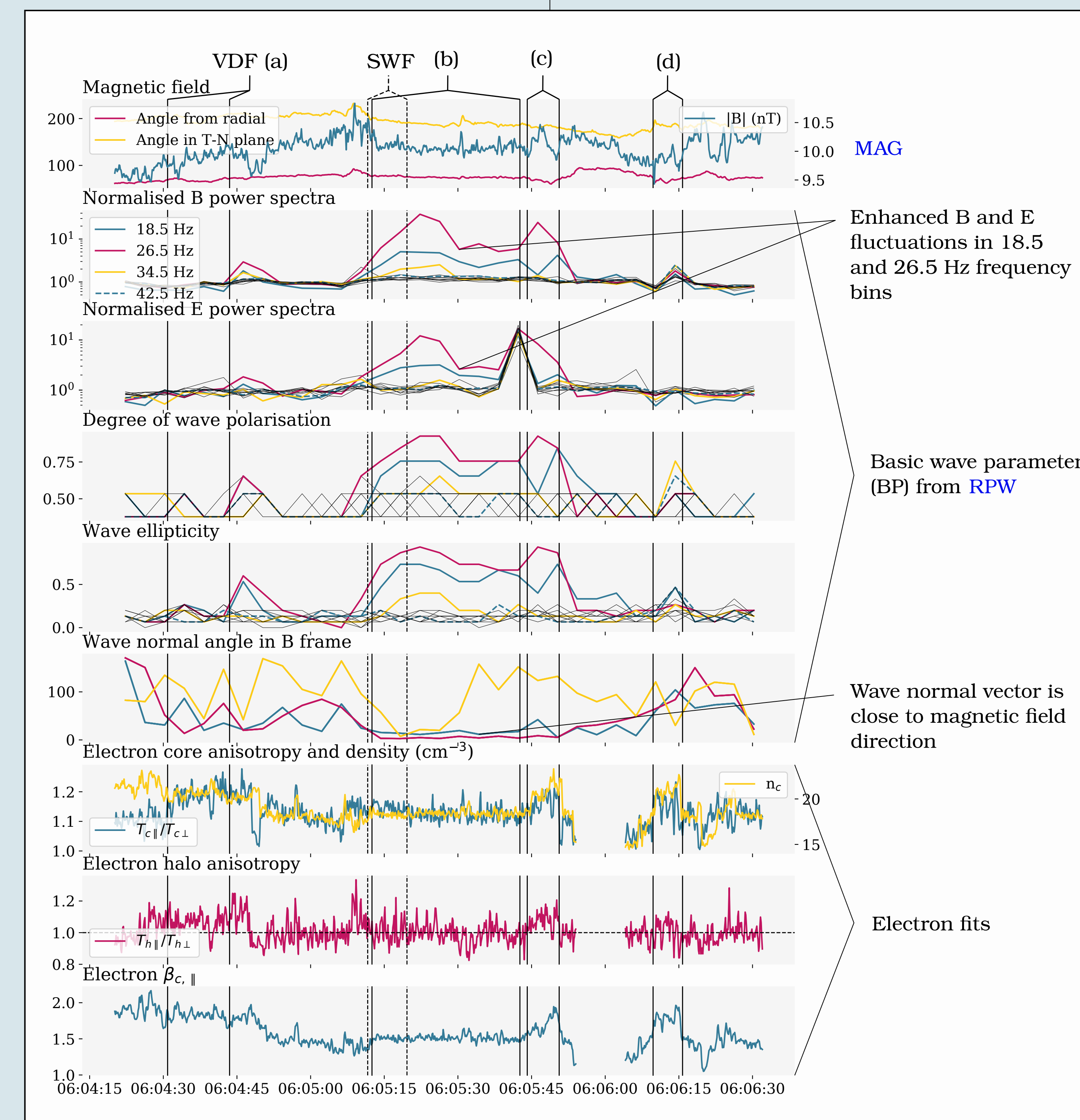
Pitch-angle distributions



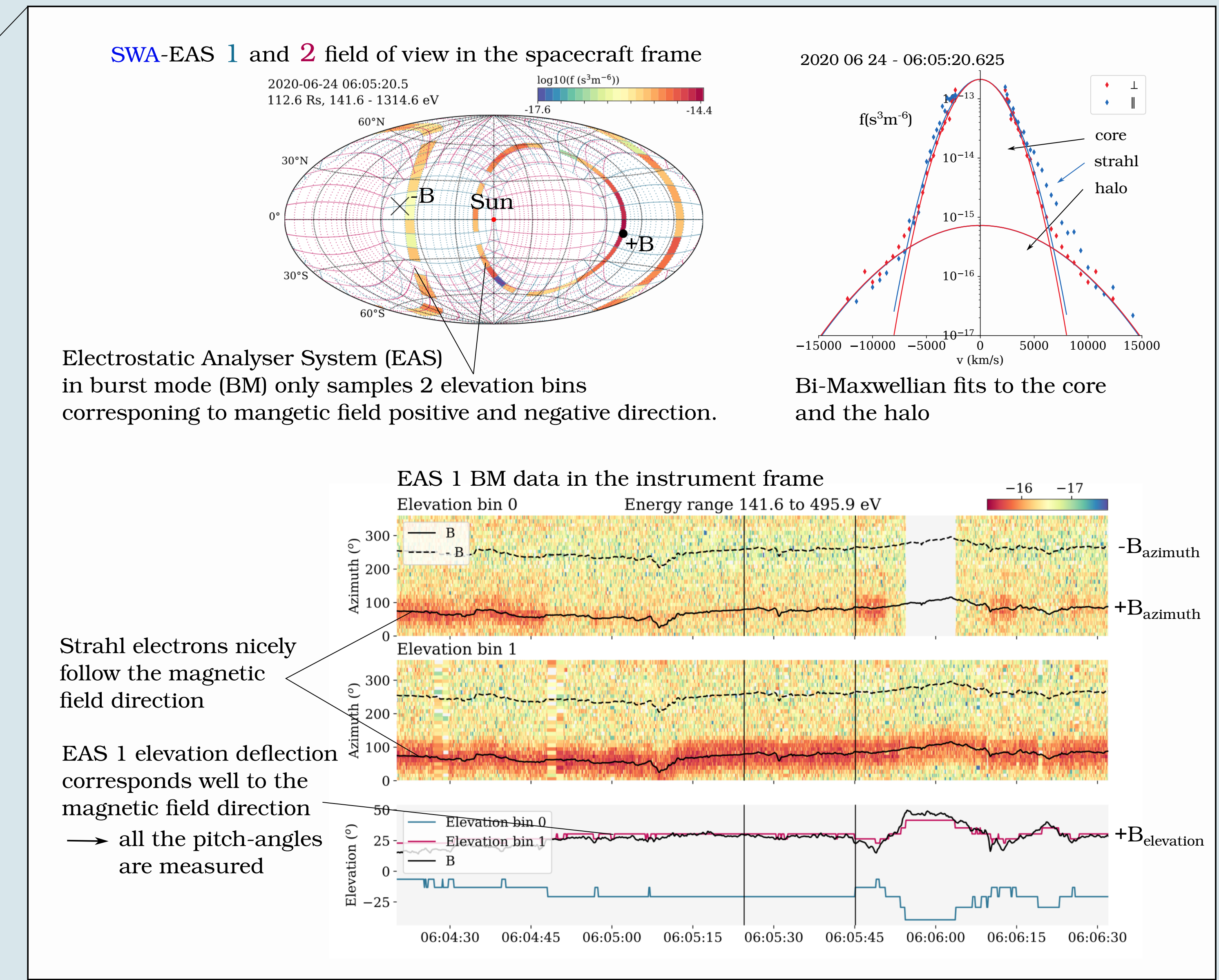
The instability mechanism



Fields and plasma properties during the presented interval

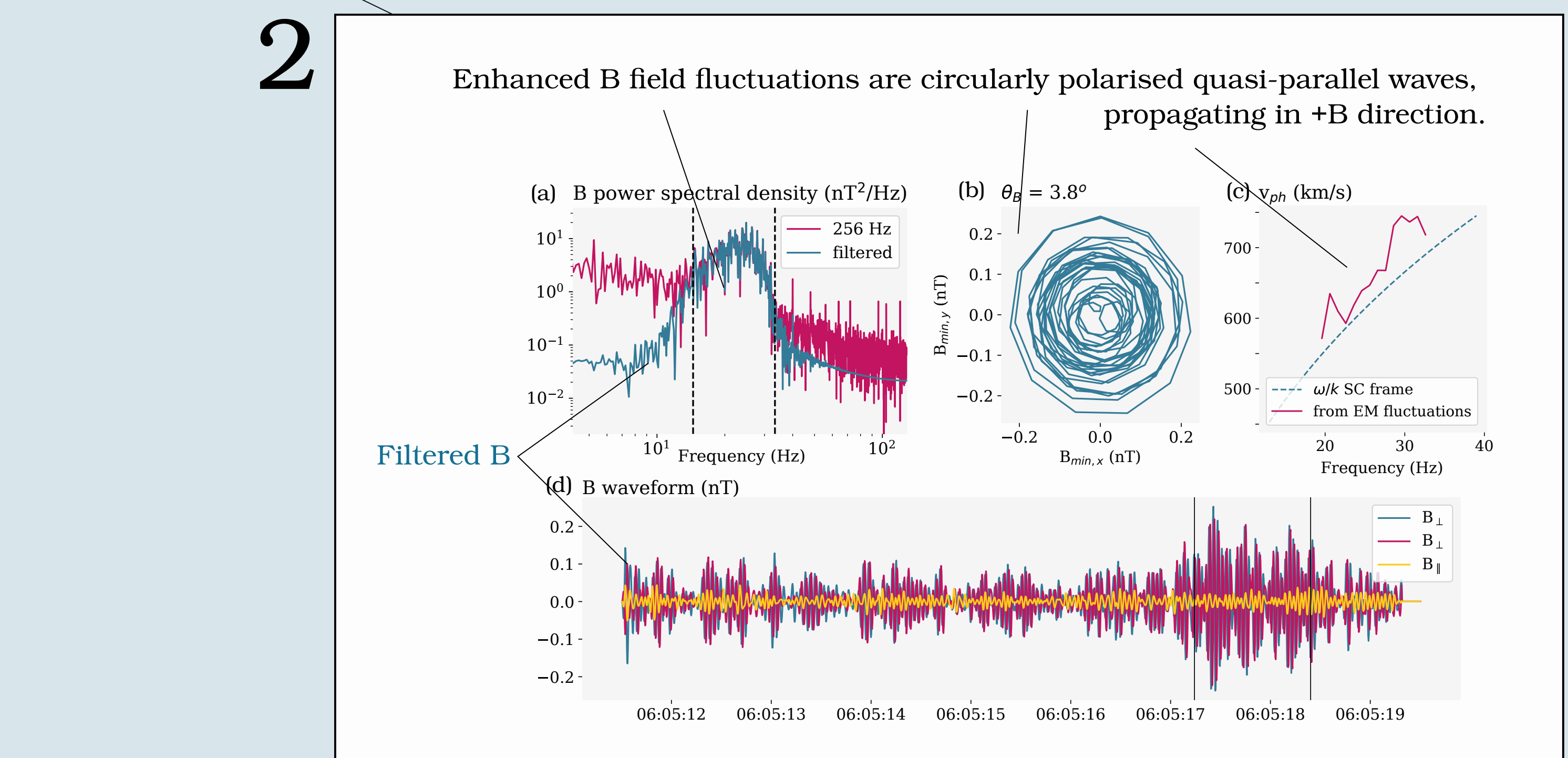


Data analysis - electron VDFs



More details about SWA-EAS observations: vPICO by Owen et al.

Data analysis - snapshot waveforms (SWF)



More details about whistler waves observed by SO: vPICO by Kretschmar et al. vPICO by Colombari et al.

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