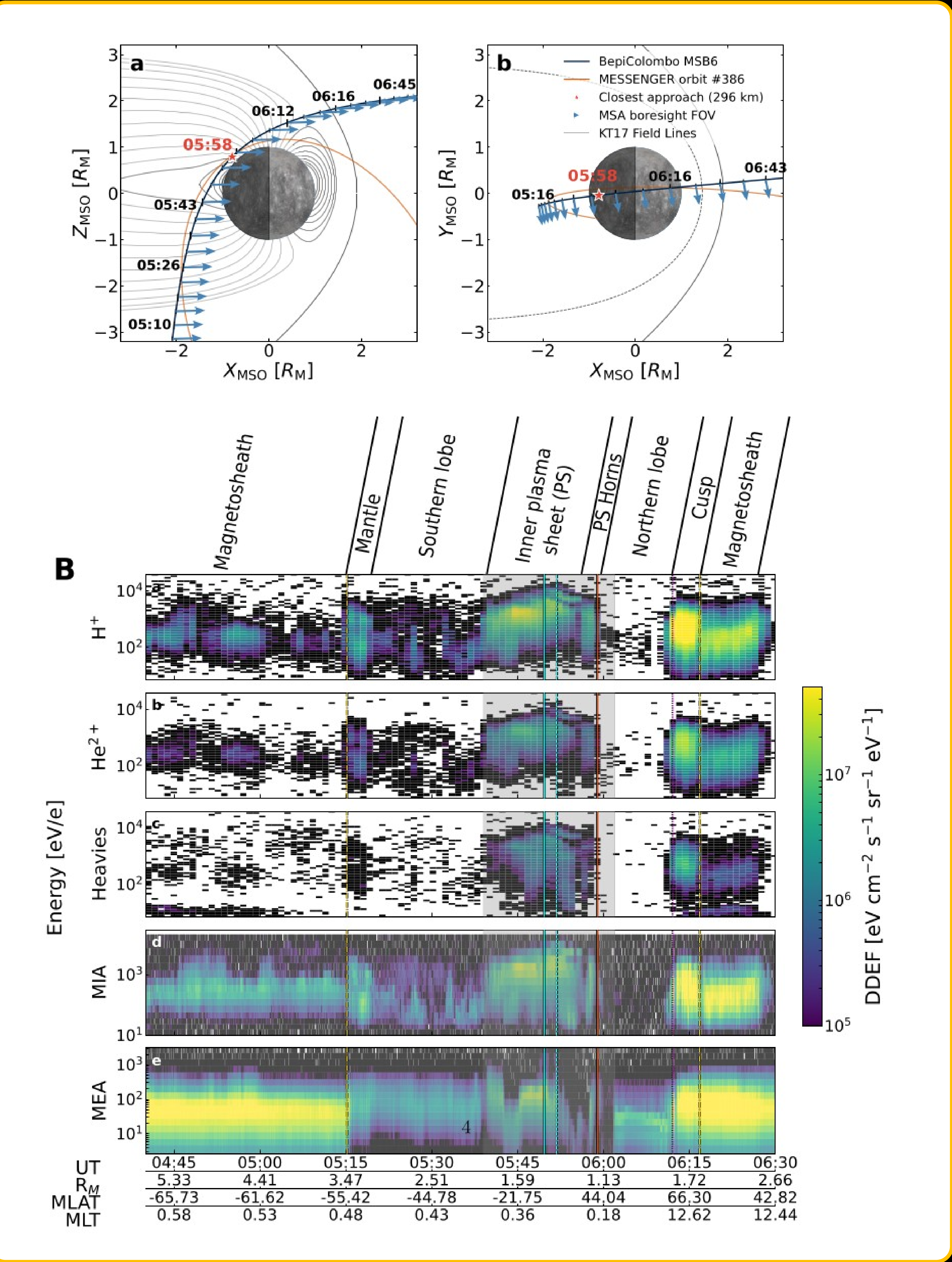


An auroral wave-particle coupling chain at Mercury: from bouncing ion clusters to kinetic Alfvén wave electron acceleration

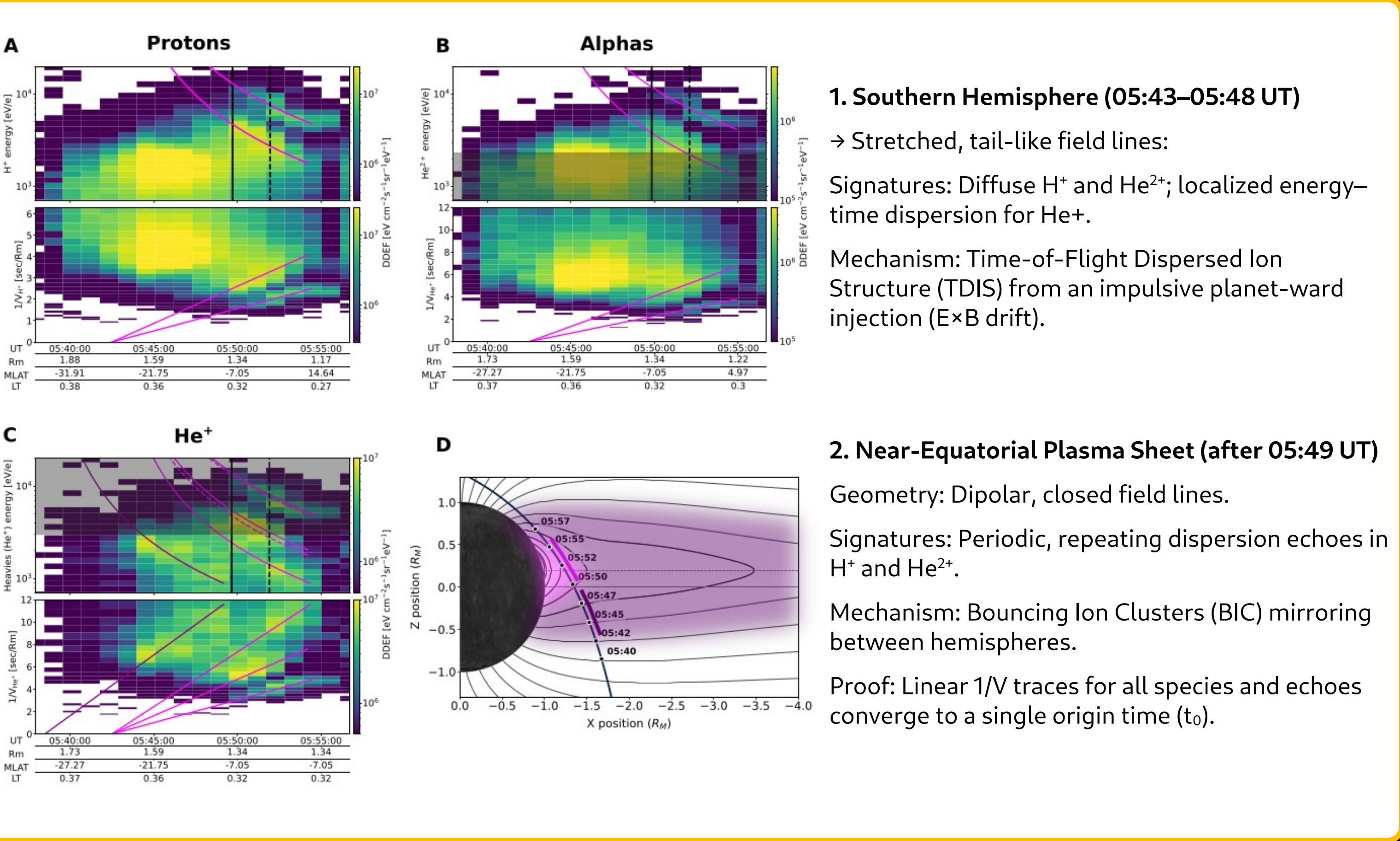
L. Z. Hadid , D. Delcourt, J-A Sauvaud, A. Aizawa, S. Verkercke, M. Rojo, Y. Harada, T. Chust, Y. Saito, M. Franz, S. Yokota, J. Raines, N. André, R. Zywcok, D. Heyner, A. Varsani, M. Persson, J. Coburn, D. Schmid, B. Katra, T. Marechal, N. Krupp, C. Verdeil, B. Fiethe, D. Fontaine, F. Leblanc, H. Krüger, H. Fischer, J-J. Berthelier, U. Auster, I. Richter, D. Constantinescu, D. Fischer, G. H. Jones, G. Murakami, and S. Matsuda



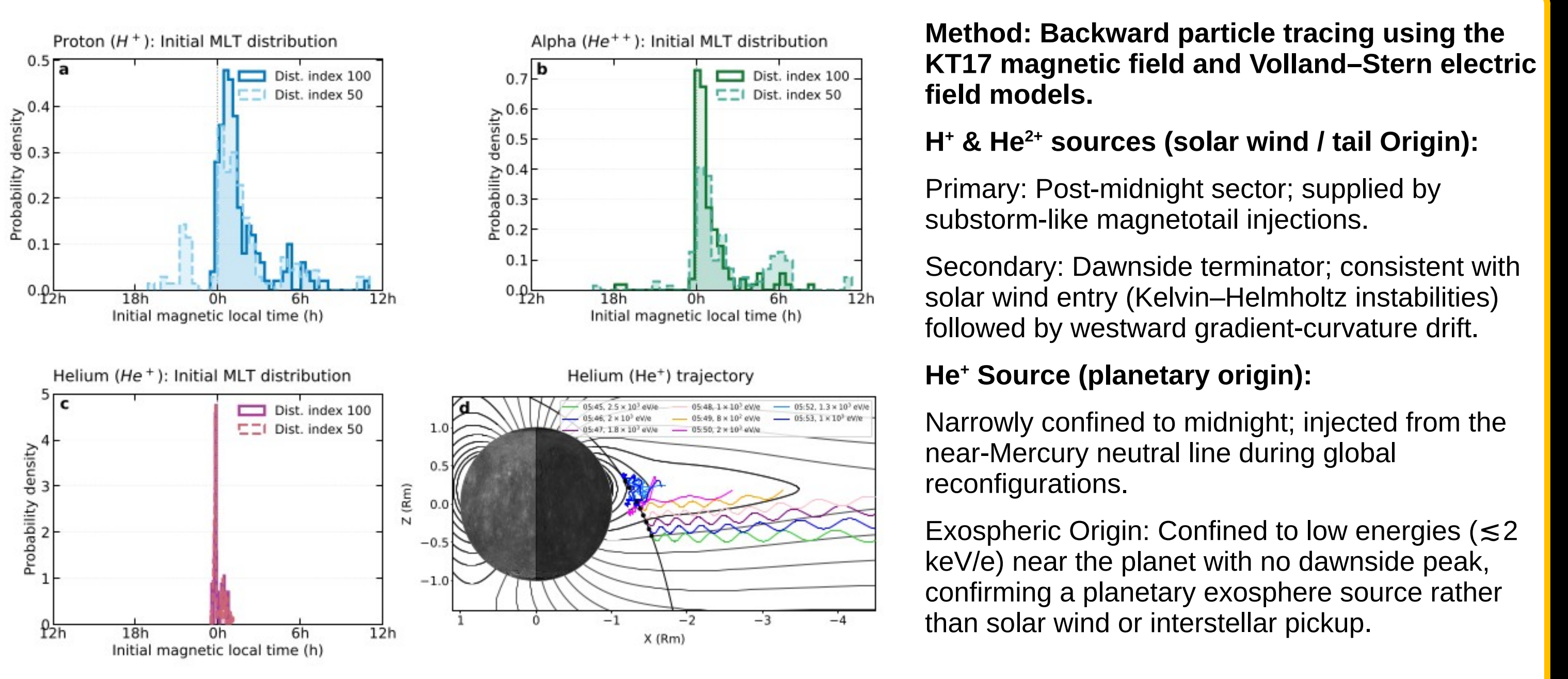
MSB6: latitudinal structure of Mercury's nightside magnetosphere



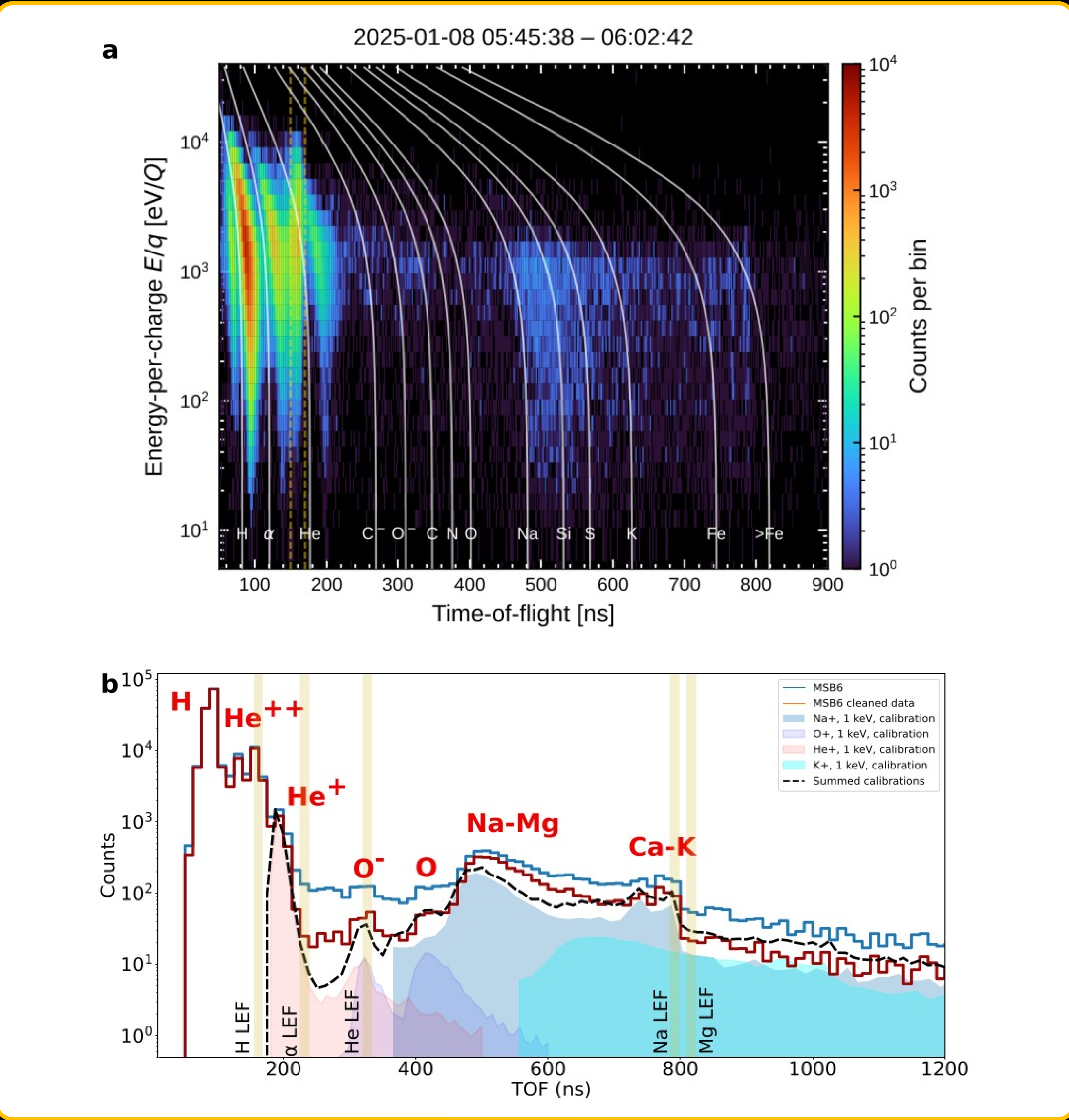
Latitudinal architecture of Mercury's nightside magnetosphere



Source region constraints from test-particle tracing



Mass-dependent ion stratification in Mercury's inner plasma sheet



A multi-mode wave environment coupled to electron acceleration

