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Comment on angeo-2022-2

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Community comment on "Fine structure and motion of the bow shock and particle energisation mechanisms inferred from Magnetospheric Multiscale (MMS) observations" by Krzysztof Stasiewicz and Zbigniew Kłos, Ann. Geophys. Discuss., https://doi.org/10.5194/angeo-2022-2-CC1, 2022

The authors of the paper have explained structure of distribution functions in velocity space with double beam features depicted in Fig. 3. In my view, these new results are convincing. I also think that the anisotropy could somehow be related to the crescent structures often observed in MMS data. Anyway, a stochastic resonance acceleration process confirmed by those observations is an interesting possibility for energization mechanism for the collisionless plasma upstream of the Earth's bow shock.