

## ***Interactive comment on “Magnetosheath jet properties and evolution as determined by a global hybrid-Vlasov simulation” by Minna Palmroth et al.***

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The authors simulated magnetosheath jets using the VLASIATOR global hybrid-Vlasov solver. Palmroth et al. applied different methods to identify the jets. The team determined the size of the jets and . . . that is all.

Why did you do this simulation? What questions did you want to answer? What new physical processes did you discover? Do the spacecraft observations confirm the properties and evolution of the jets? Did you compare the VLASIATOR output to hybrid simulation results? What is the new result that the new hybrid-Vlasov solver provides?

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