

Reflection Of Solar Wind Protons On The Martian Bow Shock : Investigation By Means Of 3-Dimensional Simulations

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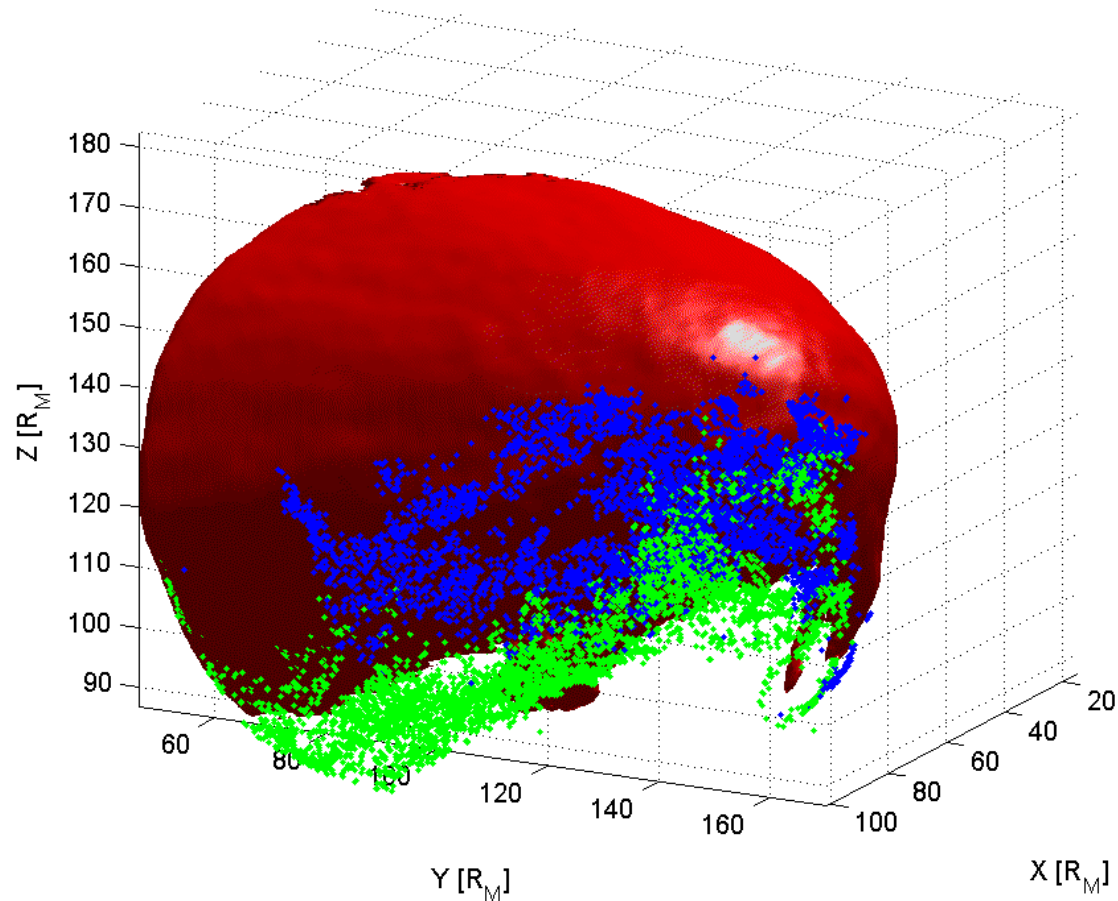
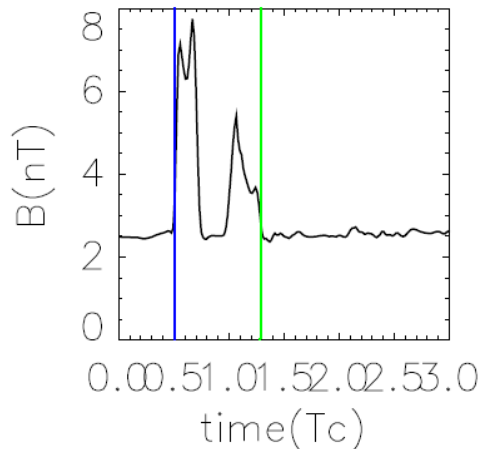
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A proton is marked as reflected by the Bow Shock if:

(1) $E \geq 3 \times E_{\text{initial}}$

(2) Upstream



The energy spectrum of the reflected protons extends from a few 10^2 eV to 10^4 eV .