

# Accepted Manuscript

Simple deceleration mechanism confirmed in the terminal hypervelocity impacted tracks in SiO<sub>2</sub> aerogel

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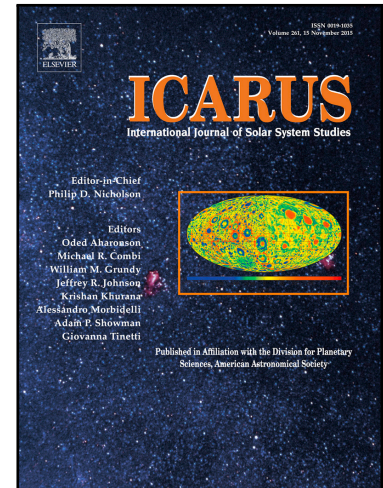
PII: S0019-1035(18)30075-7  
DOI: <https://doi.org/10.1016/j.icarus.2018.08.017>  
Reference: YICAR 12992

To appear in: *Icarus*

Received date: 5 February 2018  
Revised date: 17 July 2018  
Accepted date: 17 August 2018

Please cite this article as: Mingfang Liu , Ai Du , Tiemin Li , Ting Zhang , Zhihua Zhang , Guangwei Cao , Hongwei Li , Jun Shen , Bin Zhou , Simple deceleration mechanism confirmed in the terminal hypervelocity impacted tracks in SiO<sub>2</sub> aerogel, *Icarus* (2018), doi: <https://doi.org/10.1016/j.icarus.2018.08.017>

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**Highlights:**

- All kinds of A-type tracks were classified into three types based on the conditions of *vapor model* proposed by (Dominguez, 2009).
- A simple deceleration mechanism was confirmed by the data fitted well with the regular data of the terminal A- $\beta$  type track.
- Thermal effects happened around and along track was observed by scanning electron microscopy.

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