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Atmospheric Energy Deposition Modeling and Inference for Varied Meteoroid Structures

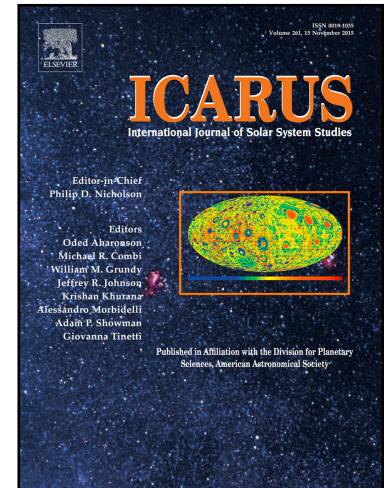
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Highlights:

- The fragment-cloud model is extended to represent atmospheric breakup of meteoroids with varied structures.
- The model provides excellent matches to energy deposition estimates for observed meteors.
- Matches for the Chelyabinsk, Benešov, Košice, and Tagish Lake meteors are presented.
- Results enable inference about pre-entry asteroid structures, breakup behavior, and potential model refinements.

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