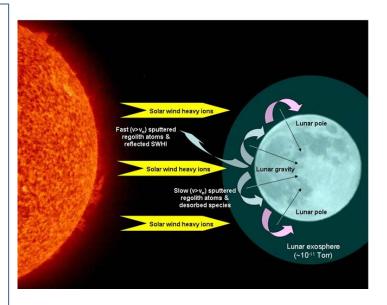
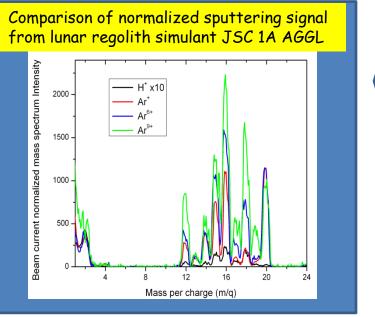
Kinetic and potential sputtering of lunar regolith: The contribution of the heavy highly charged (minority) solar wind ions

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In a nutshell...

- Solar wind sputtering of the lunar surface helps determine the composition of the lunar exosphere and contributes to surface weathering.
- To date, only the effects of the two dominant solar wind constituents, H⁺ and He⁺, have been considered.
- The heavier, less abundant solar wind constituents have much larger sputtering yields because they have greater mass (kinetic sputtering) and they are highly charged (potential sputtering)
- Their contribution to total sputtering can therefore be orders of magnitude larger than their relative abundances would suggest





The Experiment...

