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Effects of the Lunar Regolith Structure and of the Solar Wind Properties on the Backscattered Energetic Neutral Atoms Flux

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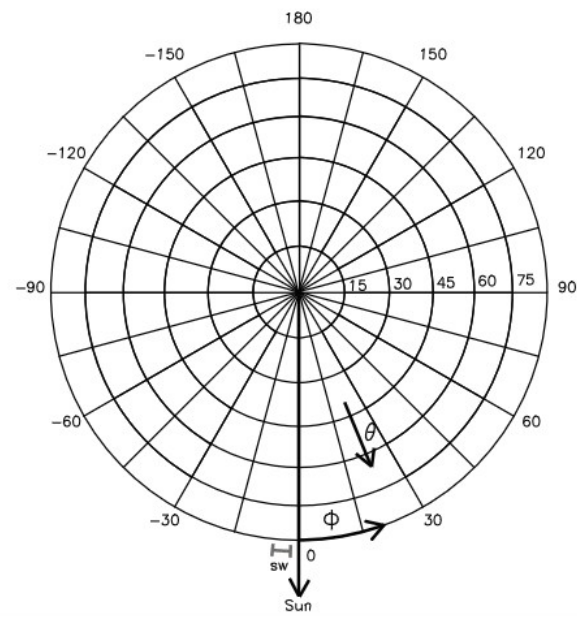
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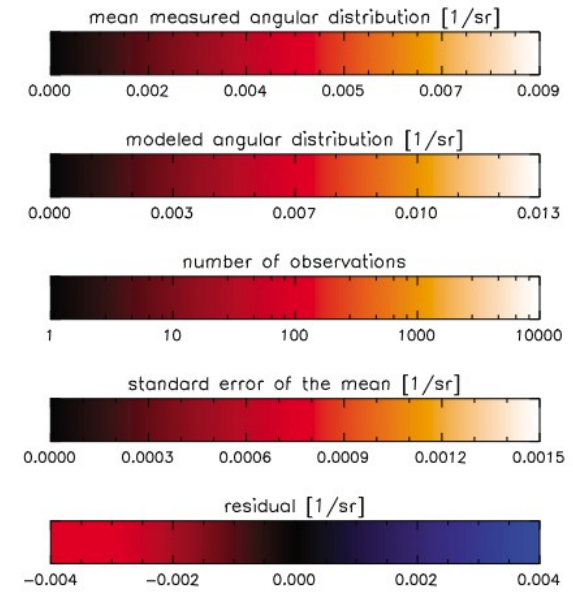
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Chandrayaan-1 measurements of the angular distribution of the backscattered ENA from the lunar surface.

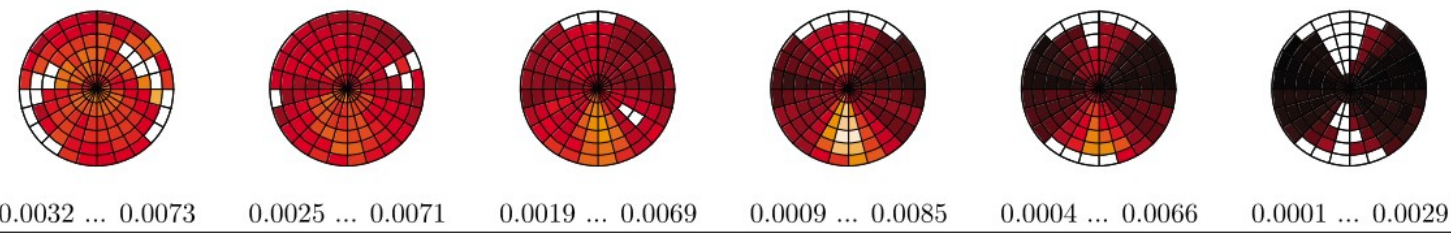
a) observation geometry



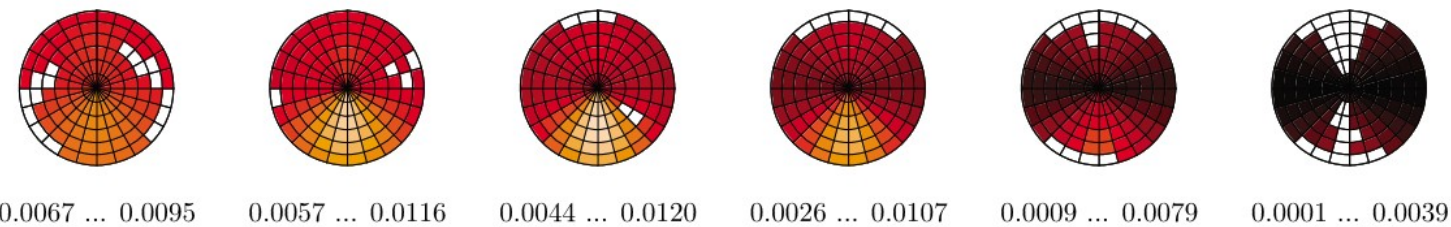
b) colorbars



c) mean measured angular distribution



d) modeled angular distribution



Schaufelberger, A., et al. "Scattering function for energetic neutral hydrogen atoms off the lunar surface." Geophysical Research Letters 38.22 (2011).