

**Friday, September 15, 2017**

**4:10 – 5:00 PM**

**Barnard Hall/EPS 108**

**The still-unsolved Physics puzzle revealed by the  
Great American eclipse**

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<http://www.physics.montana.edu/people/faculty/longcope-dana.html>  
<http://solar.physics.montana.edu/dana/>  
[http://solar.physics.montana.edu/sol\\_phys/](http://solar.physics.montana.edu/sol_phys/)

**Abstract:**

Among the torrent of news stories about the recent solar eclipse was an occasional mention of the Sun's mysteriously hot corona — a mystery dubbed "the coronal heating problem". I will describe how that recent eclipse, and those before it, have confronted us with this enduring mystery. I will explain the problem of coronal heating and what researchers at MSU, and elsewhere, have done to shed light on the still-unknown heating mechanism. In the end I will describe what we now know about the solution, and what remains to be learned.

**Host: Rufus Cone**

*\* Refreshments served in the Barnard Hallway opposite Barnard 108 at 3:45 \**