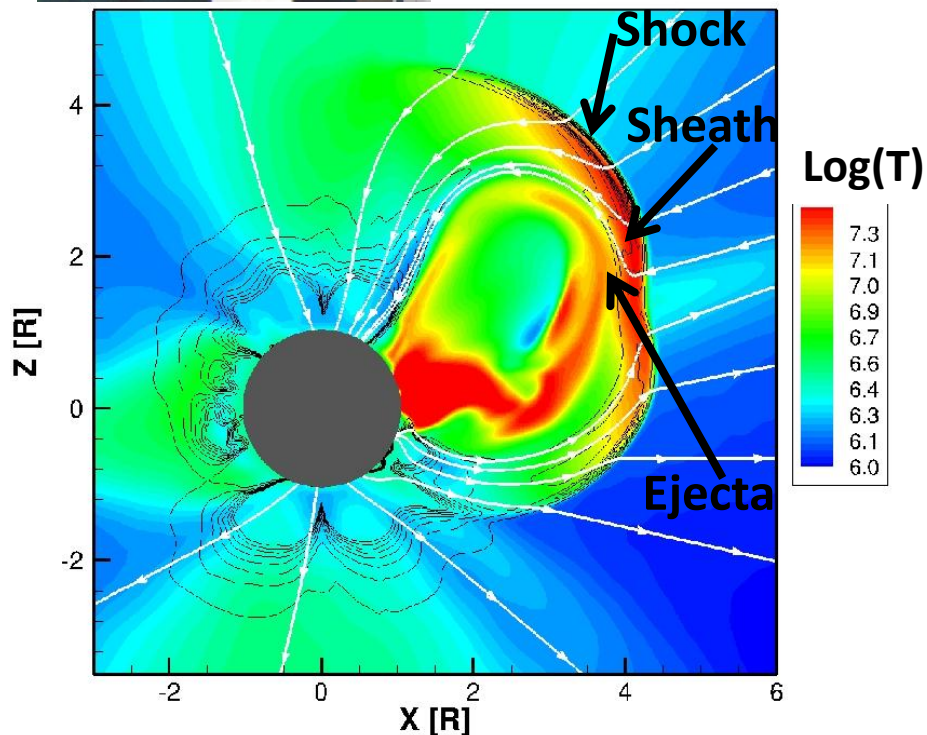




# Interaction of a CME-driven Shock and Sheath with an Alfvén Wave-driven Solar Wind in the Lower Corona

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- Solar wind is heated by two wave dissipation mechanisms – turbulence and surface Alfvén wave damping
  - Black contour lines show heating due to surface Alfvén wave damping
- **We find that surface Alfvén wave damping causes strong shock and sheath heating.**

**Session 7. The Nature of Coronal Mass Ejections: Heliospheric properties from remote-sensing observations and their relationship to in situ signatures.**