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Analysis of an Anemone-Type Magnetic Field in an On-Disk Coronal Hole



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Overview

- Introduction -- What is a coronal hole?
 What is an Anemone Event?
- Data
- Analysis
- Summary
- Future Work

What is a Coronal Hole? SDO AIA 193 Å



Coronal Hole "Now"



Coronal Hole and Anemone Event









HMI line-of-sight component and Continuum



Before

Emerging Flux





Appearance of Pores 20:06:27

Further Development of Region



Interchange-Reconnection Schematic





We observed the birth of a bipolar solar active region in a small coronal hole with obvious field-emergence driven interchange magnetic reconnection without obvious jets...



FUTURE WORK

- Finish analysis with 211 Å data



- Identify more events like this one for multi-wavelength study