量子物理学・ナノサイエンス第 97 回特別セミナー

Operation Forecasting at NOAA's Space Weather Prediction Center

講師　：　Dr. Anthony Rasca

University of Colorado Boulder / NOAA

日程　：　7 月 26 日(金) 15:00-

場所　：　本館 2 階 227B 物理学系輪講室

概　要

Solar activity in the form of flares, coronal mass ejections (CMEs), and other storm-inducing events has the potential to adversely affect many aspects of human life, ranging from power grids and aviation systems on Earth to spacecraft and crewed space missions. To address these risks, the National Oceanic and Atmospheric Administration (NOAA) Space Weather Prediction Center (SWPC) in the U.S. supports several operational space weather models to provide forecasts to governments, industry, and the broader community. The collection of models at SWPC address various hazards that include--but not limited to--radiation, super energetic particles (SEPs), geomagnetic disturbances (GMDs), and geomagnetically-induced currents (GICs). This presentation provides an overview of the operational forecasting work performed at SWPC and current research to improve the Geospace and Geoelectric codes that model GMDs and GICs resulting from solar storms.

Quick-Bio: Dr. Anthony Rasca is a research scientist at CU/NOAA working with the Geospace model that predicts the effects of solar storms on the Earth's magnetosphere. His work includes validating, improving, and managing data from the Geospace model.

https://cires.colorado.edu/people/anthony-rasca

連絡教員　Adrean Webb（内線 3305)/谷津（内線 2224）