

Physics 416 Quiz Sheet

Quiz 4

Name: _____

Abbreviations, Acronyms, Initialisms. (Use Celia Elliott's lecture and the AIP Style Manual.

Correct the mistakes in abbreviations below:

An impressive paper on MHD was presented at the American Astronomical Society (AAS) meeting. Data on several trans-Neptunian objects (TNO's) were obtained with a sensitive PMT (photomultiplier tube) detector. PMT data can be very accurate with an error of less than 0.001 mags and a precision of 0.01 arcseconds (arcsec). Dr Stephens found a TNO with a diameter of 3.5 kms spinning at a rate of 25 RPM. Researchers at a AAS and A.P.S. workshop believe it has a SiO_2 crust filled with a spinning Bose-Einstein Condensate (BEC). Computer simulations using MagnetoHydroDynamics (MHD) suggest this gives rise to a strong magnetic field that will persist for 1000s of years.