

Jeudi 28 mars 2019 à 11h30 (IAS, bâtiment 121, salle 1-2-3)

La polarimétrie pour l'étude des systèmes planétaires

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Polarimetry is a very powerful technique for studying planetary objects, in particular when it comes to atmospheres and small bodies. In this presentation, I will show how the polarization of light scattered by planets provides a wealth of information about their atmosphere and surface, with the help of some famous examples like the case of Venus. I will also discuss the interest of polarimetry for the study of comets, asteroids and other airless bodies. Finally, I will discuss the renewed interest in the method, thanks to its application in the detection and characterization of exoplanets.