



PHYSIKALISCHES KOLLOQUIUM

des Fachbereichs Physik
der Johann Wolfgang Goethe-Universität Frankfurt

Mittwoch, den 07.06.2017, 16 Uhr c.t.
Großer Hörsaal, Raum _0.111,
Max-von-Laue-Str. 1



Dr. John Lee Grenfell

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" Atmospheric Biosignatures in an Exoplanetary Context "

Searching for signs of life beyond the Earth has been a fascination since the dawn of reasoning. We begin by summarizing the challenge of defining life and its various requirements. We then overview the various approaches proposed to detect extra-terrestrial life remotely. Finally, we focus upon potential atmospheric biosignature (life-indicating) species such as oxygen, ozone and nitrous oxide and discuss the potential signals which could be detected by next generation instruments as well as some of the pitfalls when interpreting such signals.

Die Dozenten der Physik

local host: Prof. Dr. Claudius Gros, gros07@itp.uni-frankfurt.de