



**FZU**

Institute of Physics  
of the Czech  
Academy of Sciences

## Invitation

to the seminar of Division of Elementary Particle Physics of the  
Institute of Physics of the Czech Academy of Sciences



### Prof. Juan Antonio Aguilar Sánchez

Université Libre de Bruxelles

## Latest Results from the IceCube Neutrino Observatory

**Abstract:** The IceCube Neutrino Observatory is a cubic-kilometer neutrino detector buried deep in the ice beneath the South Pole. Since its completion in 2010, the observatory has been collecting events at a rate 300 atmospheric neutrinos per day. In recent years, IceCube has made a number of groundbreaking discoveries, including the first observation of high-energy astrophysical neutrinos as well as the discovery of the first steady source of neutrinos, NGC1068. In addition, IceCube is at the forefront of searches for physics beyond the standard model as well as the study of neutrino oscillations parameters. In this seminar I will give an overview of the latest results from IceCube, with special emphasis on the NCG1068 source, as well as the future developments and projects.

**When:** Thursday, March 30, 2023 at 2PM

**Where:** Main conference hall, Institute of Physics, Na Slovance 2, Prague 8

For more information, please see <https://indico.fzu.cz/event/133/>