



FZU

Institute of Physics
of the Czech
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I n v i t a t i o n

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



Prof. Norbert Werner

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Accreting massive black holes and QUVIK a Czech UV space telescope

Abstract: Most galaxies comparable to or larger than the mass of the Milky Way host hot, X-ray emitting atmospheres and accreting supermassive black holes. I will present results based on radio and X-ray observations, which indicate that in massive early-type galaxies the central radio sources are mostly switched on, and the mechanical jet power correlates with the mass of the central black hole.

I will introduce the QUVIK (Quick Ultra-Violet Kilonova surveyor) mission, which has recently been approved for funding. QUVIK, a Czech national science and technology mission, is a UV space telescope designed to study the energetic transient sky. The mission will also provide unique opportunities for studying accreting black holes, including reverberation mapping, tidal disruption events, and peculiar sources in galactic nuclei.

When: Wednesday, December 13, 2023 at 1PM

Where: SOLID21 lecture hall, Institute of Physics, Na Slovance 2, Prague 8

For more information, please see <https://indico.fzu.cz/event/219/>