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東京大学大学院理学系研究科 附属ビッグバン宇宙国際研究センター

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場 所: 理学部 4 号館 1 階ピロティ RESCEU セミナー室

講 師: Massimo Cappi 氏 (Istituto Nazionale di Astrofisica, Bologna)

Ultra Fast Outflows in AGNs: from X-rays to Very High Gamma-rays...to high-energy neutrinos and cosmic rays too?

Abstract

I will review the current status of high energy observations of Ultra Fast Outflows (UFOs) in AGNs. I will give particular emphasis on recent results obtained with the XRISM/Resolve X-ray microcalorimeter, and future prospects with the X-IFU microcalorimeter on-board NewAthena. These results will be discussed within a broader context, where recent observations with Pierre Auger, IceCube and Fermi observatories indicate UFOs as potential sources of photons at hundreds of GeV, of high-energy neutrinos, and how they could serve as source of ultra-high-energy cosmic rays (UHERCs).

興味をお持ちの方の聴講を歓迎致します。