

Professor Ruksana Osman, Senior Deputy Vice-Chancellor: Academic, cordially invites you to the

Inaugural Lecture of Professor Nukri Komin

School of Physics, Faculty of Science

Title:

Very-High-Energy Gamma Rays from the Milky Way as seen by H.E.S.S.



The night sky as we see it represents only a very small fraction of the electromagnetic spectrum. Astrophysical sources emit photons of all energies, from the lowest energies in the radio regime up to very-high-energy gamma rays. The field of gamma-ray astronomy made huge progress in the last twenty years, and H.E.S.S. is currently one of the most sensitive instruments for these observations. H.E.S.S. has conducted a survey of the Milky Way, revealing more than 70 previously unknown sources of gamma rays.

In this lecture I will give an introduction to the H.E.S.S. telescopes and will show the observational results of the Milky Way and its immediate neighbourhood. I will discuss what we can learn from these observations about the nature of the individual sources and conclude with a brief outlook on future instruments and research projects.

Date: Monday, 26 June 2023 | **Time:** 17h00

Venue: Senate Room, 2nd Floor, Solomon Mahlangu House
Braamfontein Campus East, Wits University

Join Here for the Live Stream

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