

Nukri Komin

Curriculum Vitae

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Université de Montpellier
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France*

Academic Activities and Research Interests

TeV gamma-ray astronomy with H.E.S.S. and CTAO

galactic sources and Magellanic Clouds:

- supernova remnants: Vela Junior, N 132D, SN 1987A
- pulsar wind nebulae: N 157B
- gamma-ray binaries: LMC P3
- young stellar clusters and superbubbles: R 136, 30 Dor C
- Magellanic Clouds: survey, sources, diffuse emission

scientific interests

- identification of gamma-ray sources (using radio and X-rays)
- gamma-ray sources as sources of cosmic rays
- gamma rays from the sea of cosmic rays in the Magellanic Clouds
- correlation of gamma-ray and neutrino sky

teaching

- Astroparticle Physics (Master level): lectures, tutorials, lab classes
- data analysis (gammapy) and statistics

Memberships

- H.E.S.S. Collaboration
- CTA Consortium (Cherenkov Telescope Array)
- International Astronomical Union
- Deutsche Physikalische Gesellschaft (German Physical Society)

Professional Experience and Education

- since 09/2024 **professor**, *LUPM, Université de Montpellier*, Montpellier, France
- teaching duties: 192h at all levels (L1 – M2)
- 2013 – 2024 **senior lecturer (2013 – 2016), associate professor (2016 – 2021), full professor (2021 – 2024)**, *University of the Witwatersrand*, Johannesburg, South Africa
- teaching duties: 100h (first to 3rd year)
 - supervision: post-doctoral fellow (2), PhD (2), MSc (8), honours (7)
 - coordination of Physics post-graduate student, member of the Faculty of Science Graduate Studies Committee
- 2009 – 2013 **scientist on temporary contract**, *LAPP, CNRS/IN2P3*, Annecy-le-Vieux, France
- co-supervision of a PhD thesis, supervision of a master project (M2)
- 2008 – 2009 **post-doctoral fellow**, *CEA/Irfu/SPP*, Centre de Saclay, France
- 2005 – 2007 **post-doctoral fellow**, *LPTA, CNRS/IN2P3*, Montpellier, France
- 2001 – 2005 **post-graduate fellow, PhD student**, *Humboldt-Universität zu Berlin*, Germany
- 1994 – 2000 **student**, *Institut für Physik*, Humboldt-Universität zu Berlin, Germany
- graduated as Diplom-Physiker
 - semester abroad at Universität Innsbruck, Austria (1998/99)
- 1992 – 1994 **mandatory service**, social service as alternative to military service, Berlin, Germany
- 1990 – 1992 **high school**, graduated with Abitur (university entrance qualification), Berlin, Germany
- 1980 – 1990 **school**, Berlin, Germany (East)

Publications

- 213 with the H.E.S.S. Collaboration, including 10 in *Science*, 6 in *Nature*, 2 in *Nature Astronomy*
- 11 with the Fermi-LAT Collaboration, including 2 in *Science*
- 11 with the CTA Consortium
- 4 short author list papers
- 36 conference proceedings
- h-Index 98 (source Google Scholar, 03/07/2025)
- orcid.org/0000-0003-3280-0582

Distinctions, Awards and Achievements

- since 2016 rated as “Established Researcher” by South-African National Research Foundation
- 2011 2nd prize of the French Grid Day at the EGI forum 2011, with the CTACG project
- 2008, 2010 NASA Group Achievement Award, with the Fermi-LAT Collaboration
- 2008 selected for second round of 2008 ESA Astronaut Selection Program (192 candidates out of 8000 initial applications)
- 2006 Descartes research prize 2006, with the H.E.S.S. Collaboration