**Nepomuk Otte, Ph.D.**

Otte is a professor of physics at the Georgia Institute of Technology. He received his Ph.D. from the Max-Planck-Institute for Physics in Munich, Germany, and the Technical University in Munich. He did his postdoctoral work at the Santa Cruz Institute for Particle Physics at the University of California.

His main research thrust is understanding the acceleration of charged particles in the surroundings of neutron stars and black holes and searching for new fundamental physics at the highest energies with gamma rays and neutrinos.

Otte is leading the development of the NSF-funded Trinity neutrino observatory, a system of telescopes that detect Earth-skimming tau neutrinos from mountain tops, promising to be a world-leading very-high-energy neutrino instrument. His group completed the Trinity Demonstrator, the first of three phases of Trinity development, and started taking data with it in October 2023. Trinity's science goals are the extension of the IceCube-measured astrophysical neutrino flux to very high energies, observing point sources, detecting cosmogenic neutrinos, and doing neutrino physics at the highest energies.

Otte held several leadership positions in the MAGIC and VERITAS very-high-energy gamma-ray collaborations. More recently, he led the development and operation of the scientific instrument for the Cherenkov telescope on the NASA-funded EUSO-SPB2 long-duration balloon mission to detect cosmic rays and neutrinos from sub-orbital altitudes.

Otte is a co-investigator of the Cherenkov Telescope Array (CTA), the next-generation very-high-energy gamma-ray observatory. He is participating in the U.S.-led effort to develop the Schwarzschild-Couder telescope (SCT), a candidate for the midsize telescopes of CTA. He co-led the camera development for the prototype SCT and is currently the project manager of the camera upgrade. His Georgia Tech group designed and integrated the SCT's focal plane instrumentation.

Otte was co-convener of the ultrahigh-energy neutrino working group in Snowmass 2021, the process through which the U.S. high-energy physics community defines its strategic goals for the next 10 years. For the last three years, he was a member of the panel reviewing missions for NASA's Mission of Opportunity and Midsize Explorer program.

At Georgia Tech, Otte has developed an advanced electronics/detector lab course for undergraduate and graduate physics.

In his free time, he is a member of the Yellow Jacket Flying Club, where he exercises his privileges as an FAA-certified flight instructor, and mentors Georgia Tech students and alums to become safe and proficient pilots.