**Dan Hooper, Ph.D.**

Dan Hooper is a Senior Scientist at the Fermi National Accelerator Laboratory and
Professor of Astronomy and Astrophysics at the University of Chicago. He is a member
of the Kavli Institute for Cosmological Physics at the University of Chicago, and a fellow
of the American Physical Society. Hooper earned his Ph.D. in physics from

UW–Madison and completed his postdoctoral work at Oxford University.

Hooper’s research focuses on the interface between particle physics and cosmology
focused primarily, although not entirely, on studying and exploring particle physics
beyond the Standard Model using astrophysics. Areas he has worked on include darkmatter, high-energy neutrino astronomy, gamma-ray astronomy, cosmic-ray physics, and the physics of the early universe.

Hooper is the author of several books including *Dark Cosmos: In Search of our
Universe’s Missing Mass and Energy* (2006), *Nature’s Blueprint: Supersymmetry and
the Search for a Unified Theory of Matter and Force* (2008) and *At the Edge of Time:
Exploring the Mysteries of Our Universe's First Seconds* (2019), and a graduate-level textbook, *Particle Cosmology and Astrophysics* (2024).

Hooper was active in the Snowmass community planning exercise and has organized
several major international conferences. He is head of the International Advisory
Committee for the TeV Particle Astrophysics annual conference series. Since 2020,
Hooper and Shalma Wegsman have hosted the physics podcast *Why This Universe?* breaking down some of

When not engaged in his research, Hooper enjoys playing guitar, listening to records, and
reading about philosophy.