

Wade Fisher

Associate Professor of Physics at Michigan State University

East Lansing, MI, US

Wade Fisher is an expert in the field of high energy physics, or particle physics.

Biography

Wade Fisher's research is in the field of high energy physics, which is the study of the most basic building blocks of the universe and the fundamental forces through which they interact. This field is also commonly known as elementary particle physics. Scientists working in this field explore the most fundamental questions about the nature of our universe. He performs his research at the highest energy particle accelerators in the world along with colleagues from both MSU and around the world. In particular, his work focuses on understanding the physical mechanisms that explain why matter has mass. While mass and its interaction with gravity is the most clear indication that forces exist, the mystery of why particles have mass at all and why observed particle masses span such a great range remains a major focus in high energy physics. He also has interests in extensions to our current theoretical models that predict new, heavy gauge bosons (eg, W -/ Z -prime models).

Industry Expertise

Writing and Editing, Education/Learning, Research

Areas of Expertise

Beyond Standard Model Physics, Machine Learning, Higgs Boson, Particle Physics, Physics, Statistical Inference

Education

Princeton University

Ph.D. Physics

University of Minnesota

B.S. Physics & Math

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