

# **Bryan J. Field**

**Assistant Professor, Physics at Farmingdale State College**

Farmingdale, NY, US

Dr. Field is a physicist who teaches courses ranging from introduction to physics to the search for extraterrestrial intelligence.

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## **Biography**

Dr. Bryan J Field is an assistant professor of physics at Farmingdale State College, where he teaches courses in physics, physical science, and astronomy. He is a theoretical high-energy physicist who studies the fundamental properties of matter and energy as it existed at the beginning of the universe, by making predictions and analyzing the data produced at the Large Hadron Collider on the French-Swiss border. Dr. Field's research has appeared in the Physical Review D, Nuclear Physics B, and Physics Letters B. Dr. Field regularly teaches introduction to physics courses, higher-level physics classes such as electromagnetic theory, and physical science classes such as the Theory of Everything and the Search for Extraterrestrial Intelligence. In addition to his role as an instructor, he is an adviser in the Department of Science, Technology, and Society. He holds a PhD in Physics from Stony Brook University and a BS in Physics from the Illinois Institute of Technology. When he is not pondering the fundamental questions of the nature of nature, Bryan is a playwright.

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## **Availability**

Keynote, Moderator, Panelist, Workshop, Host/MC, Author Appearance, Corporate Training

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## **Industry Expertise**

Education/Learning, Research

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## **Areas of Expertise**

Particle Physics, Theoretical Physics, Search for Extraterrestrial Intelligence

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## **Affiliations**

American Physical Society

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## **Sample Talks**

### **Is the Higgs Boson Telling Us the Universe is Doomed?**

The current situation of the meta-stability of the Higgs vacuum is discussed as it has been experimentally measured at the Large Hadron Collider and its implications for the long-term future of the universe.

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## **Event Appearances**

**Higgs Boson Resummation via Bottom-Quark Fusion**  
TeV4LHC Workshop

**Theoretical High-Energy Physics at Farmingdale**  
Farmingdale State College Physics Colloquium

**Much ado about PDFs**  
IPPP Internal Seminar

**Parton Distribution Functions at the LHC**  
Third Annual Artemis Meeting

**The Higgs Sector in the Lee-Wick Extension of the Standard Model**  
Phenomenology Symposium: LHC Alive!

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## **Education**

**Stony Brook University**  
PhD Physics

**Stony Brook University**  
MA Physics

**Illinois Institute of Technology**  
BS Physics

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## **Accomplishments**

**Marie Curie Action**  
Marie Curie Action, University of Durham, United Kingdom

**Henry B. Silsbee Prize**  
Henry B. Silsbee Prize, Stony Brook University, Stony Brook, New York

**Peter Kahn Fellowship**  
Peter Kahn Fellowship, Stony Brook University, Stony Brook, New York

**Department of Education GAANN Fellow**  
Department of Education GAANN Fellow, Stony Brook University, Stony Brook, New York

**Presidential Scholar**

Presidential Scholar, Illinois Institute of Technology, Chicago, Illinois

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