



UNIVERSITY OF MIAMI  
COLLEGE of  
ARTS & SCIENCES

## Miami Physics Conference 2025

---

**Date:** Dec 12-19, 2025  
**Location:** Lago Mar Resort  
**Affiliation:** University of Alabama

Sergei Gleyzer

### Machine Learning for High Energy Physics and Astrophysics

#### Abstract

My talk will focus on the development and application of state-of-the-art machine learning algorithms to various challenges in high-energy physics and astrophysics.