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Machine Learning to Boost Multimessenger Astrophysics

Friday, 12 July 2024 15:40 (20 minutes)

Gravitational-wave detections and open public alerts enabled prompt multimessenger studies for the global community. There is an ongoing effort to assimilate and invent machine learning techniques that will allow faster and more confident detections. Better characterized detections of more gravitational-wave events thereby will expand multimessenger science. I will highlight trailblazing efforts from the intersection of Data Science and Astrophysics for the development of more efficient methods for gravitational-wave discovery.

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Session Classification: Machine learning in astronomy: AGN, transient events, cosmology and others

Track Classification: Artificial Intelligence Methods (AI): Machine learning in astronomy: AGN, transient events, cosmology and others