

Early Career Research Proposal:
Machine-Learning-Driven New Physics Searches at the Large
Hadron Collider

Applicant/Institution: Walter Hopkins, Argonne National Laboratory

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FOA Number: DE-FOA-0002421

DOE/SC Program Office: HEP

Topic Area: Experimental Research at the

Energy Frontier in High Energy Physics

DOE/SC Program Office Technical Contact: Abid Patwa

Year Doctorate Awarded: 2013

Eligibility Extension Requested: No

Number of Times Previously Applied: 0

PAMS Preproposal (Pre-application) Number: PRE-0000023714

PECASE Eligible: Yes

Proposal Contains Biosketch in Appendix 1: Yes

Proposal Contains Data Management Plan in Appendix 6: Yes

Signature of Laboratory Director:



Paul K. Kearns, Laboratory Director