



CSH-PHILOSOPHY WORKSHOP

WHAT CAN ASTROPHYSICS TEACH US ABOUT REPLICABILITY?

A workshop at the intersection of
Philosophy and Astrophysics

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THE UNIVERSITY OF BERN

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ABSTRACT

The replicability crisis, particularly discussed in certain scientific disciplines such as psychology, has spurred a heated debate on the meaning and importance of replicability in science in general. A potentially significant concern is that this general debate is being informed primarily by cases coming from the disciplines most affected by the crisis, thereby ignoring the role of replicability in the other sciences. What is the meaning and function of replicability in exact natural sciences? What are the methodological features that make them less vulnerable to the replicability crisis? Would answering these questions help identify the features that are responsible for failures of replicability in these and other sciences? This workshop highlights astrophysics as a particularly interesting discipline in this regard, for its strong tradition in replication studies and data sharing. This workshop will bring together general philosophers of science, philosophers of astrophysics and astrophysicists to initiate a fruitful dialogue on these issues.

Samuel Fletcher

Felipe Romero

Nora Boyd

Marie Gueguen

Brett Morris

Lokesh Mishra

