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## Quantum Gravity and the Swampland

*Thursday, 1 September 2022 12:00 (30 minutes)*

The Swampland is defined as the set of consistent Quantum Field Theories that cannot be coupled to Quantum Gravity. The goal of the Swampland is to find or to conjecture, based on the intuition gained from String Theory, general principles that a field theory coupled to quantum gravity should respect. One example is the “gravity as the weakest force” (or “weak-gravity conjecture”).

I will summarize some of the recent conjectures and their potential implications for particle physics and cosmology.

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