



SECTION DE PHYSIQUE

COLLOQUE DE PHYSIQUE

24, QUAI ERNEST-ANSERMET, CH-1211 GENÈVE 4

Lundi 30 avril 2018, 12h30

Ecole de Physique, Auditoire Stueckelberg

«Rise of the Machines: Fundamental Science in the Era of AI »

Prof. Bruce Bassett

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Abstract:

Will machines ever be able to do research? Here we review the trends and remarkable progress in Artificial Intelligence (AI) over the past decade and, using the Square Kilometer Array (SKA) as a lens, examine the potential of AI to contribute to fundamental science over the next decade. We then go on to address the more philosophical issues regarding the limits of AI, whether it will ever be creative and understand, and whether it will ever be able to do fundamental research of its own in the 50-year lifespan of the SKA.

Après le colloque, une collation en compagnie du conférencier sera offerte aux participants.

Prof. Dmitry Abanin