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GAMBIT: The Global and Modular Beyond-the-Standard-Model Inference Tool

Friday 27 August 2021 09:15 (25 minutes)

I give an update on GAMBIT, the Global And Modular Beyond-the-Standard-Models Inference Tool. After briefly motivating global fitting, I highlight why GAMBIT is a promising framework to help us identifying the new physics model beyond the standard models (BSM) of particle physics and cosmology. Focusing on the physics content, I give a non-technical introduction of the schematic structure and main features of the GAMBIT code, from the hierarchical database, through dependency resolution, to modules and backends. I finish the talk by describing the GAMBIT Universal Model Machine, the latest feature that GAMBIT 2.0 introduced.

Presenter: BALAZS, Csaba (Monash University)

Session Classification: Plenary