

# Global fits of the scalar singlet model using GAMBIT

*Tuesday, 29 November 2016 14:00 (20 minutes)*

I will present the latest results for global fits to the Higgs portal scalar singlet extended standard model using complementary probes of dark matter. In doing so I will introduce the new global and modular beyond the standard model inference tool (GAMBIT) which is used to achieve these results in a statistically consistent and modular way. I will also demonstrate the flexibility and consistency between the choice of statistical fitting algorithms available with this tool.

## Summary

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**Session Classification:** Dark matter