

A short and sweet GAMBIT tutorial

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on behalf of the GAMBIT Collaboration

TOOLS 2017 — 13th September 2017



Reference

- Web: gambit.hepforge.org
- GAMBIT manual: arxiv.org/pdf/1705.07908.pdf
- FlavBit manual: arxiv.org/pdf/1705.07933.pdf
- ScannerBit manual: arxiv.org/pdf/1705.07959.pdf
- Tutorial files on indico



The least global global fit ever...

- 2D Wilson coefficient fit

$$\Delta C_x \equiv C_{x,BSM} - C_{x,SM}$$

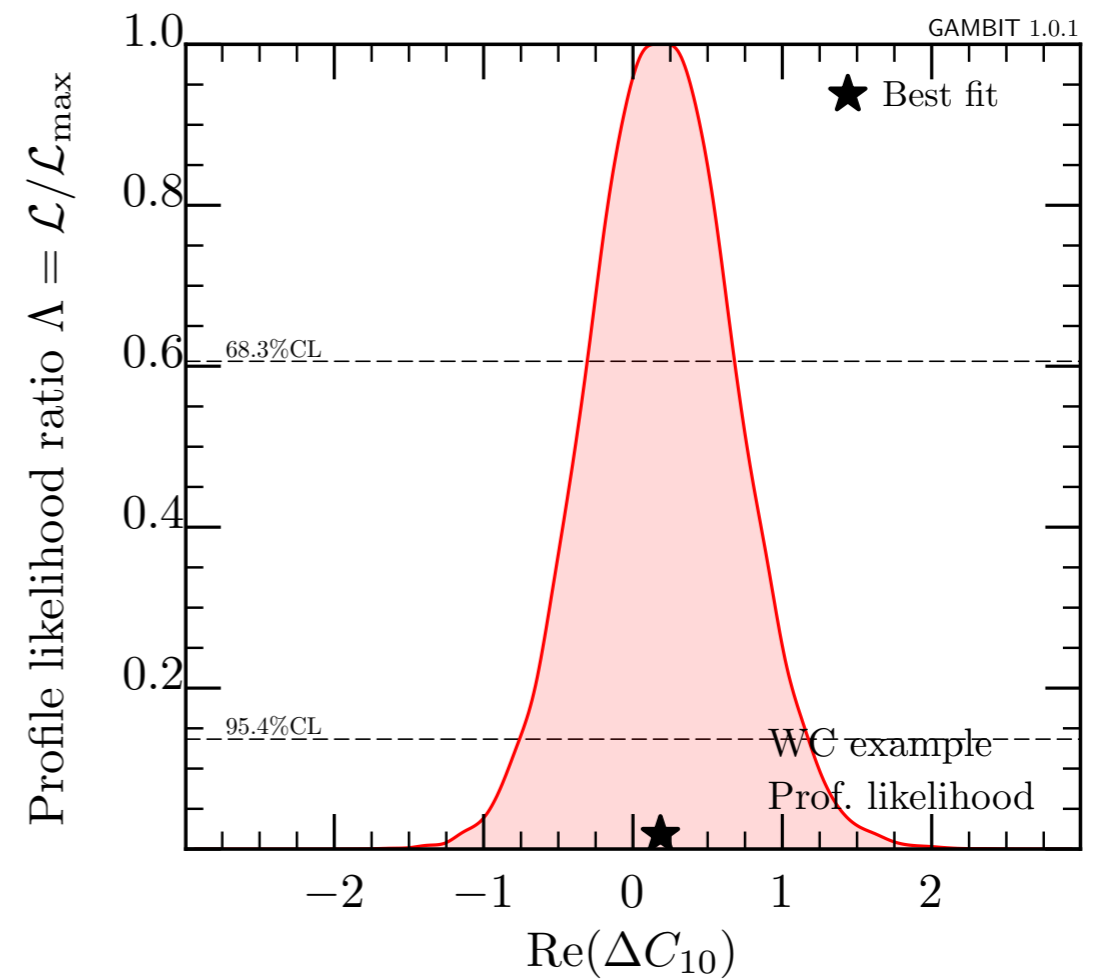
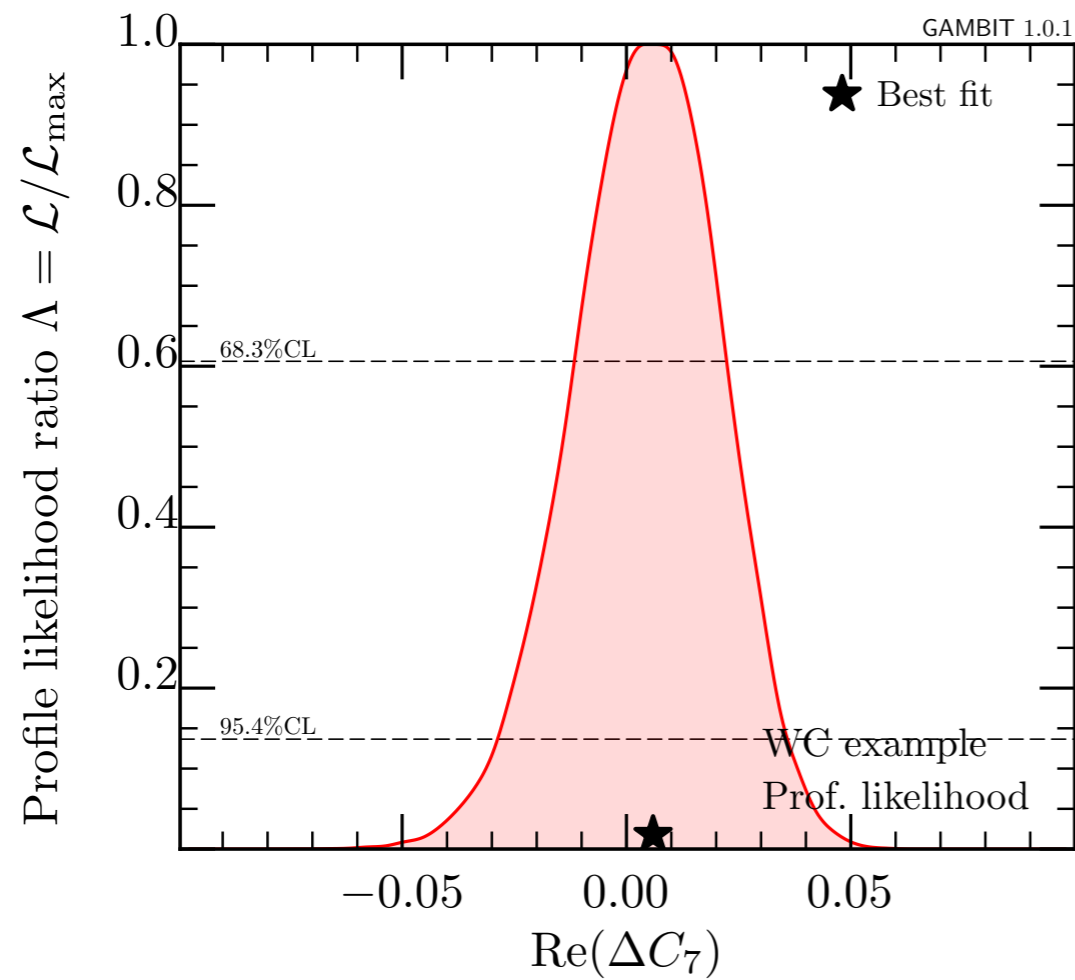
- Free parameters: ΔC_7 Re_DeltaC7
 ΔC_{10} Re_DeltaC10
- Observables: $BR(B \rightarrow X_s \gamma)$ b2sgamma
 $BR(B_d \rightarrow \mu^+ \mu^-)$ b211
 $BR(B_s \rightarrow \mu^+ \mu^-)$



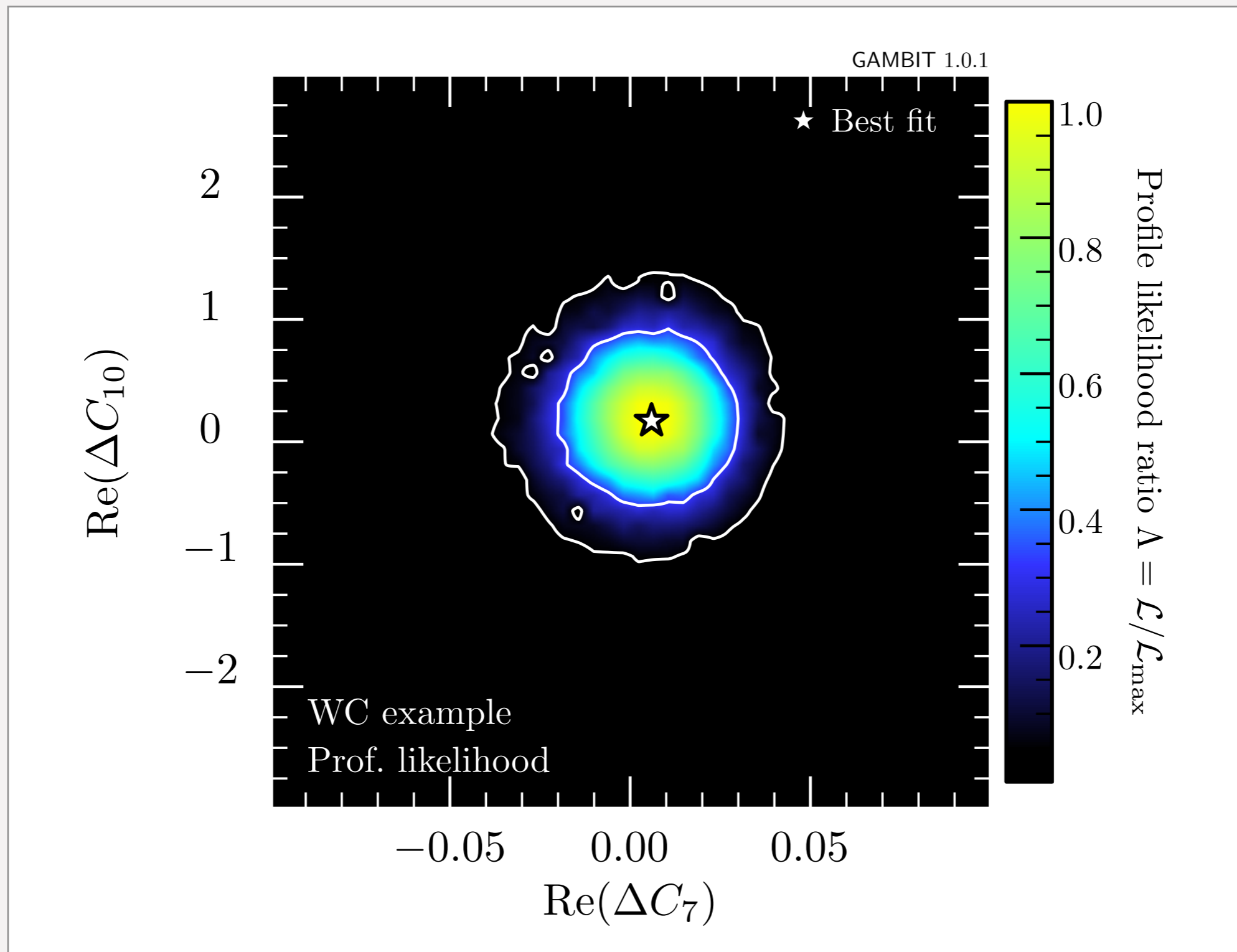
Follow the steps in `GAMBIT_tutorial_commands.txt`



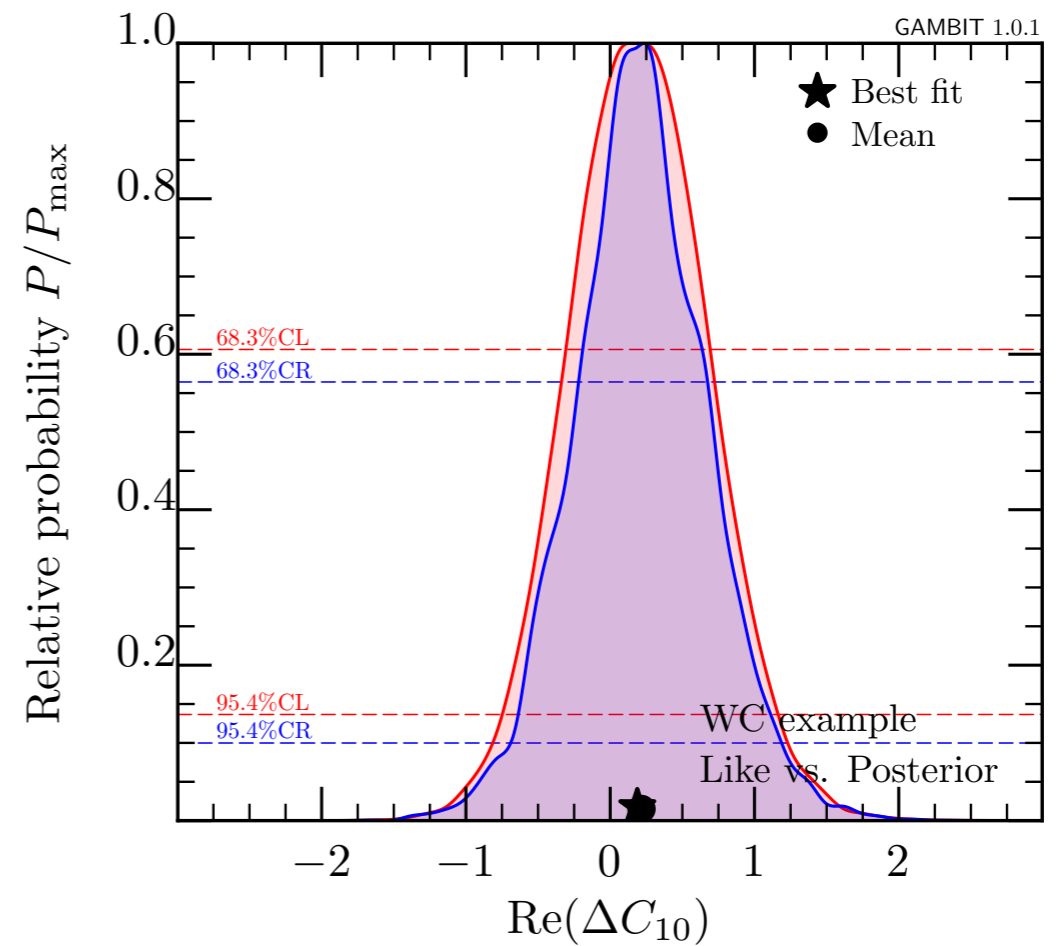
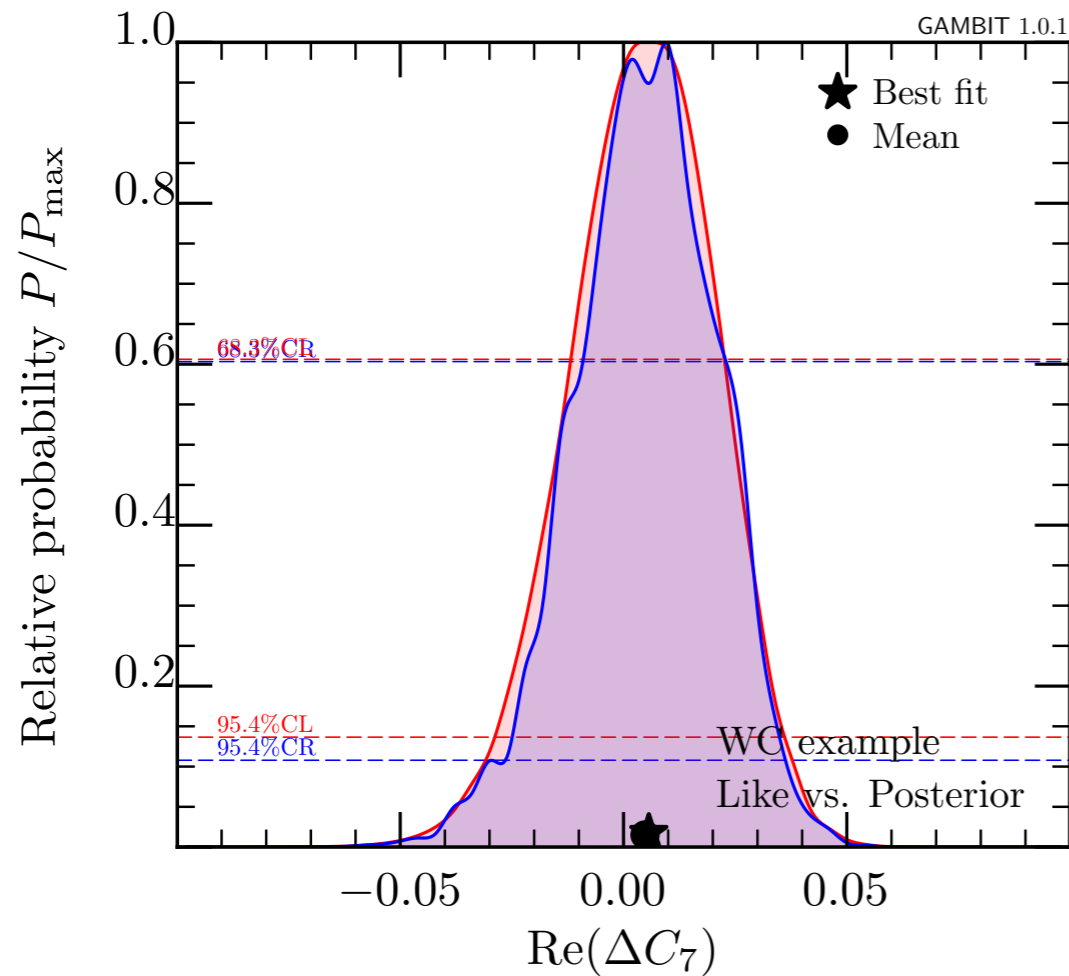
Results — Diver scan



Results — Diver scan



Results — MultiNest scan



Results — MultiNest scan

