

GAMBIT Documentation

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Existing Documentation

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 - Configuration examples
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- Report issue
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 - Wiki
 - Git repos:
 - gambit (dev fork)
 - gambit_internal
 - gambit_results



GAMBIT

Tutorials

This is a place where we will place tutorials. In order to place something here, please take the tutorial tutorial (under construction).

MC4BSM, April 2018

Tutorial given by Andy Buckley at the MC4BSM 2018 workshop, April 2018. Link to materials. Uses Docker image from docker pull gambitbsm/gambit-tutorial

Dartmouth-TRIUMF HEP/Cosmo tools bootcamp

Tutorial given by Anders Kvellestad and Jonathan Cornell at the Dartmouth-TRIUMF HEP/Cosmo tools bootcamp 26.10.17.

Files

- Slides part 1
- · Slides part 2
- · Installation_before_tutorial.txt
- · tutorial_commands.txt
- · WC lite.yaml
- WC_lite.pip



Existing Documentation



Q- collider

collider event we

COLLIDER FINAL

collider harvester

collider harvester.

COLLIDER INIT G

ColliderBit_eventle ▼



Project Goals

• Build a new, modern website to replace one hosted on Hepforge

 Produce improved, easily maintainable auto-generated documentation via Doxygen/Sphinx

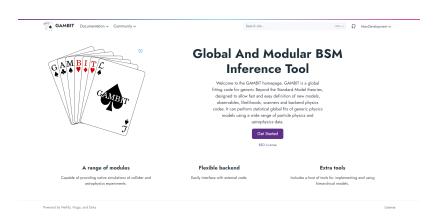
Write practical onboarding guides for new users

Ensure that new system is easy to maintain and expand



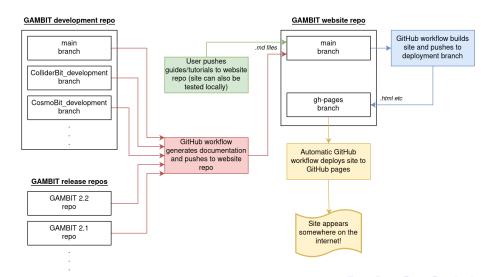
Webpages

- Hosted on GitHub Pages using Hugo and the Doks theme
- All pages rendered from markdown files





Maintaining the Webpages





Doxygen vs Sphinx?



Doxygen: only requires Doxygen

Sphinx: requires Doxygen, Sphinx, Breathe, Exhale

Solution: Doxygen with Doxybook2 to produce flexible markdown files



Planned Tutorials

Installation

• Basic examples (maybe for example ColliderBit and a few others)

 More advanced tutorials (for example HPC, postprocessing, extending GAMBIT code)

Individual module reference pages

Tour

• GitHub repo

• Website

Discussion Points

• Feedback!

• Code documentation conventions (docstrings, masking etc)

Mechanics of website editing/maintaining

• Website manager / documentation enforcer

• All comments welcome!