Update on GAMBIT Community

Ankit Beniwal (Returning Officer)

ankit.beniwal@kcl.ac.uk
Aims

• Work with external collaborators & initiate new projects!
• Direct contribution to GAMBIT projects
• Maximise number of papers using GAMBIT
• Broadening areas of research
Involvement in community

• New members encouraged to participate in long & short author papers

• Join monthly all-collab, WG- or paper-specific SpeakApp meetings

• Subscribe to gambit-community (or *Bit specific) mailing lists

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<td>gambit-community</td>
<td>General-purpose internal mailing list</td>
<td><a href="http://www.hepforge.org/lists/listinfo/gambit-community">http://www.hepforge.org/lists/listinfo/gambit-community</a></td>
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<tr>
<td>gambit-collider</td>
<td>Collider working group</td>
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<td>gambit-dm-cosmo</td>
<td>DM Cosmology working group</td>
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<td>gambit-flav</td>
<td>Flavour/B-physics working group</td>
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<td>gambit-neutrinos</td>
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<td>gambit-models</td>
<td>Models working group</td>
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<td>gambit-scan</td>
<td>Scanning &amp; Statistics working group</td>
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<td>gambit-core</td>
<td>Core working group</td>
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<tr>
<td>gambit-computing</td>
<td>Computing working group</td>
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GAMBIT: The Global And Modular BSM Inference Tool

- Extensive model database, beyond SUSY
- Fast definition of new datasets, theories
- Extensive observable/data libraries
- Plug&play scanning/physics/likelihood packages
- Various statistical options (frequentist /Bayesian)
- Fast LHC likelihood calculator
- Massively parallel
- Fully open-source

Members of: ATLAS, Belle-II, CLiC, CMS, CTA, Fermi-LAT, DARWIN, IceCube, LHCb, SHiP, XENON

Authors of: BubbleProfiler, Capt'n General, Contur, DarkAges, DarkSUSY, DDCalc, DirectDM, Diver, EasyScanHEP, ExoCLASS, FlexibleSUSY, gamLike, GM2Calc, HEPLike, IsaTools, MARTY, nuLike, PhaseTracer, PolyChord, Rivet, SOFTSUSY, SuperIso, SUSY-AI, xsec, Vevacious, WIMPSim


80+ participants in many experiments and numerous major theory codes
The Global And Modular BSM Inference Tool

GAMBIT is a global fitting code for generic Beyond the Standard Model theories, designed to allow fast and easy definition of new models, observables, likelihoods, and scanners, and to easily backend new physics codes.
GAMBIT community

Everyone welcome to join this page!
GAMBIT Personals

Anders Kvellestad (Head) & Martin White (Deputy Head)

Working Group Convenors

Marcin Chrząszcz + Nazila Mahmoudi (FlavBit) ???

Chris Chang + Are Raklev (ColliderBit)

Tomas Gonzalo + Pat Scott (Core)

Aaron Vincent + Will Handley (DM-Cosmo)

Peter Athron + Eliel Camargo-Molina (Models)

Tomas Gonzalo + Wilf Shorrock (NeutrinoBit)

Greg Martinez + Andrew Fowlie (ScannerBit)

Other roles

Csaba Balazs (Publication manager + science coordinator)

Peter Athron (Science Coordinator)

Are Raklev (Wiki + webpage manager)

Ankit Beniwal (Returning officer)
GAMBIT Ombudspersons

- **Contact an Ombudsperson**
  In the GAMBIT Community, we do not tolerate harassment, intimidation, bullying, discrimination, or any other form of mistreatment. If you experience any of the above, we encourage you to reach out to the community. One way to do that is through our ombudspersons. They are:

- Andy Buckley: andy.buckley@glasgow.ac.uk
- Julia Harz: julia.harz@tum.de
- Markus Prim: markus.prim@cern.ch
Members

• **91** total members [c.f. 85 (2023), 77 (2021) & 71 (2020)]
  (Phabricator, 2023)

• **12 new** members since GAMBIT 14 meeting [Aug 2022]
  (Maiken Pederson, Marcin Krotkiewski, Pengxuan Zhu, Hyejung Stöckinger-Kim, Jon Butterworth,
  Francesco D’Eramo, Xuan-Gong, Cedric Simenel, Giorgio Busoni, Adil Jueid, Andreas Crivellin, Vinay Hedge)

• **80** members [c.f. 71 (2021)] subscribed to gambit-community mailing list
Summary

- Welcome to all new members of the GAMBIT Community!
- Exciting new projects underway!
- New members encouraged to:
  - Ask for jobs!
  - Add yourself to GAMBIT Ad-Slide + community page
  - Subscribe to various mailing lists

Thank you!