



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

List	Description	Sign-up and Administration
gambit-community	General-purpose internal mailing list	⇒ http://www.hepforge.org/lists/listinfo/gambit-community
gambit-collider	Collider working group	⇒ http://www.hepforge.org/lists/listinfo/gambit-collider
gambit-dm-cosmo	DM Cosmology working group	⇒ http://www.hepforge.org/lists/listinfo/gambit-dm-cosmo
gambit-flav	Flavour/B-physics working group	⇒ http://www.hepforge.org/lists/listinfo/gambit-flav
gambit-neutrinos	Neutrinos working group	⇒ http://www.hepforge.org/lists/listinfo/gambit-neutrinos
gambit-models	Models working group	⇒ http://www.hepforge.org/lists/listinfo/gambit-models
gambit-scan	Scanning & Statistics working group	⇒ http://www.hepforge.org/lists/listinfo/gambit-scan
gambit-core	Core working group	⇒ http://www.hepforge.org/lists/listinfo/gambit-core
gambit-computing	Computing working group	⇒ https://www.hepforge.org/lists/listinfo/gambit-computing

GAMBIT Mailing lists

GAMBIT Ad slide

GAMBIT: The Global And Modular BSM Inference Tool

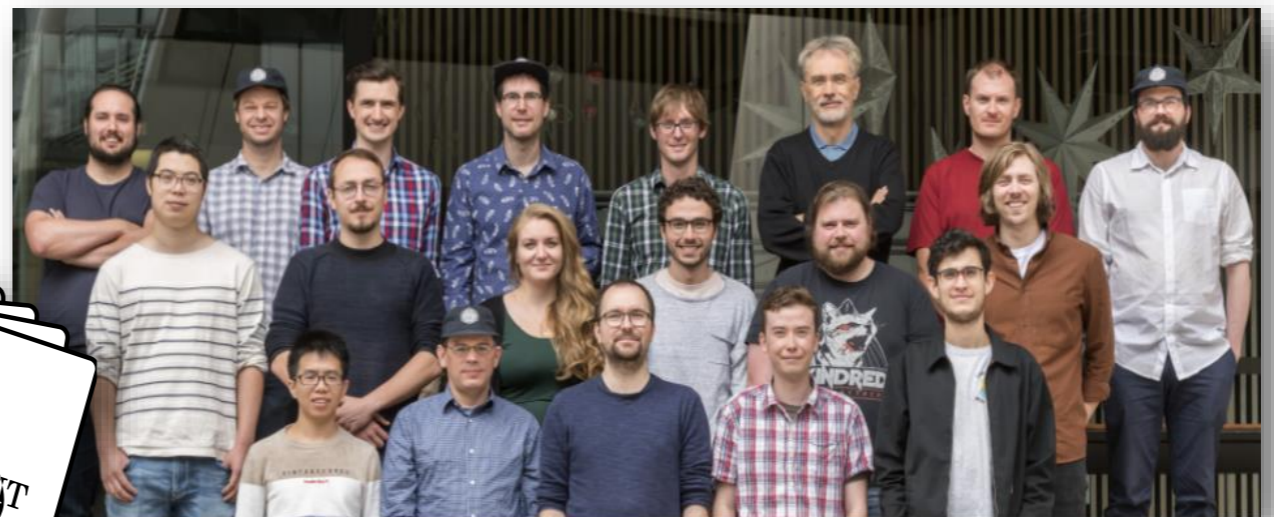
gambit.hepforge.org

github.com/GambitBSM

EPJC 77 (2017) 784

arXiv:1705.07908

- 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

Recent collaborators: V Ananyev, P Athron, N Avis-Kozar, C Balázs, A Beniwal, S Bloor, LL Braseth, T Bringmann, A Buckley, J Butterworth, J-E Camargo-Molina, C Chang, M Chrzaszcz, J Conrad, J Cornell, M Danninger, J Edsjö, T Emken, A Fowlie, T Gonzalo, W Handley, J Harz, S Hoof, F Kahlhoefer, A Kvellestad, M Lecroq, P Jackson, D Jacob, C Lin, FN Mahmoudi, G Martinez, H Pacey, MT Prim, T Procter, F Rajec, A Raklev, JJ Renk, R Ruiz, A Scaffidi, P Scott, N Serra, P Stöcker, W. Su, J Van den Abeele, A Vincent, C Weniger, A Woodcock, M White, Y Zhang ++

80+ participants in many experiments and numerous major theory codes

GAMBIT webpage



GAMBIT

Releases ▾

Documentation ▾

Community ▾

Search site...

Ctrl + /



<https://gambitbsm.org>

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.

[Get Started](#)

[License](#)

GAMBIT community



Fruzsina Agocs



Viktor Ananiev



Peter Athron



Csaba Balazs



Ankit Beniwal



Pat Scott



Cristian Sierra



Patrick Stöcker



Wei Su



Jeriek Van den Abeele



Torsten Bringmann



Andy Buckley



Eliel Camargo-Molina



Christopher Chang



Jonathan Cornell



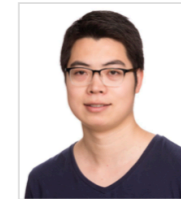
Aaron Vincent



Martin White



Yongcheng Wu



Yang Zhang



Matthias Danninger



Timon Emken



Andrew Fowlie



Tomas Gonzalo



Philip Grace



Will Handley



Paul Jackson



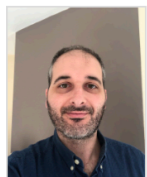
Adil Jueid



Felix Kahlhoefer



Anders Kvellestad



Michele Lucente



Nazila Mahmoudi



Holly Pacey



Are Raklev



Andre Scaffidi

**Everyone welcome to
join this page!**

GAMBIT Personals

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

Working Group Convenors

Marcin Chrzęszcz + 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!