

Curriculum Vitæ

Sakura Schafer-Nameki

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POSITIONS

2020 onwards	Professor of Mathematical Physics (Professorial Research Fellow, RSIV), Mathematical Institute, University of Oxford Senior Research Fellow, Wadham College, Oxford
2016-2020	Professor of Mathematical Physics, Mathematical Institute, University of Oxford Tutorial Fellow, Wadham College, Oxford
2010-16	Lecturer (Assistant Prof), then Reader (Tenured Associate Prof) from 2014, King's College, London
2009-2010	5 year senior Postdoctoral Fellow, Kavli Institute for Theoretical Physics (KITP) , University of California, Santa Barbara
2006-2009	Prize Postdoctoral Fellow, California Institute of Technology
2003-2006	Postdoctoral Fellow, University of Hamburg

EDUCATION

1999-2003	PhD at DAMTP, University of Cambridge, UK <i>Supervisors:</i> Matthias Gaberdiel (ETH, Zürich) and Peter Goddard (IAS, Princeton)
1998-1999	Part III Mathematics, with Distinction, University of Cambridge
1997	Vordiplom in Physics and in Mathematics, University of Stuttgart
1995-1998	Double Major in Physics and in Mathematics, University of Stuttgart

ACADEMIC SCHOLARSHIPS AND PRIZES

2006-2009	Caltech Prize Postdoctoral Fellowship (John A. McCone Fellow)
2005	Prize for outstanding teaching, University of Hamburg
2001	Rayleigh-Knight Prize, University of Cambridge
1999	Dirac Prize, St John's College, Cambridge
1998-2003	Jenkins Scholarship, St John's College, Cambridge
1997- 2001	Scholar of the German National Academic Foundation (Studienstiftung)

PUBLICATIONS

All papers can be downloaded as pdf-files, including citation records, from:

<https://inspirehep.net/authors/1019576>

FUNDING

- **PI for ERC (European Research Council) Advanced Grant 2021:**
Generalized Symmetries in Quantum Field Theory and Quantum Gravity (GenSym).
Start date **9/2023**
End date **8/2028**
Due to non-association of the UK to ERC, this grant was transformed into an equivalent UKRI ERC Guarantee Grant
- **PI for EPSRC Open Fellowship:**
Canonical Singularities, Generalized Symmetries, and 5d Superconformal Field Theories.
Start date **1/2023**
End date **12/2027**
- **PI for ERC (European Research Council) Consolidator Grant 2015:**
Higgs bundles: Supersymmetric Gauge Theories and Geometry (HIGGSBNL).
Start date **9/2016**
End date **3/2022**
- **PI of the Simons Collaboration on "Special Holonomy in Geometry, Analysis, and Physics",**
Start Date: **7/2020** for 4 years.
- **Co-I STFC Consolidator Grant**, Oxford Mathematical Physics and Theoretical Physics groups, starting **10/2023**
- **Co-I STFC Consolidator Grant**, Oxford Mathematical Physics and Theoretical Physics groups, **10/2020-9/2023**
- **Wiener-Anspach Collaboration Grant**, Oxford-ULB Brussels, **2018-2020**.
Funding includes two years of postdoctoral fellow split between ULB and Oxford.
- **STFC Rolling Grant**, King's College, Theoretical Physics Group, Department of Mathematics, ST/J002798/1 **2014-2018**.
- Core Group member for Working Group 2 (String Phenomenology) European MPNS COST Action "The String Theory Universe" 2013-2017.
PI for COST funded School and Workshop at GGI Florence **2015**
- PI for conference grant from the London Mathematical Society: "Mathematics of String Theory MOST", June **2014**
- PI for conference grant from STFC (co-funded by COST Action "The String Theory Universe") for workshop the Isaac Newton Institute, Cambridge: "Supersymmetry Breaking in String Theory", March **2014**

INVITED PLENARY TALKS

- Plenary talk (Overview Talk) **Strings 2024**, CERN, Switzerland
Discussion Session Lead at **Strings 2023**, Perimeter Institute, Canada (virtual)
Plenary talk at **Strings 2021**, Sao Paolo, Brazil (Virtual)

Plenary talk at **Strings 2017**, Tel Aviv, Israel

Plenary talk at **Strings 2010**, A&M University, Texas, USA

Plenary talk at **Strings 2009**, Rome, Italy

- Plenary talk at **String-Math 2024**, Trieste, Italy

Plenary talk at **String-Math 2019**, Uppsala, Sweden

Plenary talk at **String-Math 2017**, Hamburg, Germany

Plenary talk at **String-Math 2013**, Simons Center for Geometry and Physics, NY, USA

Plenary talk at **String-Math 2011**, University of Pennsylvania, PA, USA

- Plenary talk at **International Conference on High Energy Physics (ICHEP), 2024**, Prague, Czech Republic
- Invited Parallel Session talk at **International Congress of Mathematical Physics (ICMP) 2024**, Strassbourg, France
- Plenary talks at **String Phenomenology**:
2022, Liverpool
2021, Boston (virtual)
2020, Boston (in person conference was cancelled)
2019 CERN, Switzerland
2016, 2017 (invited but was otherwise engaged)
2015 Madrid, Spain
2014 Trieste, Italy
2013 DESY, Germany)
2012 Cambridge, UK
- Invited Speaker at the Inaugural meeting of the **Simons Collaboration on Global Categorical Symmetries 10/2021**, NYC/Edinburgh
- Regular invited speaker at meetings (2016, 2018, 2019) of the
“**Simons Collaboration on Special Holonomy in Geometry, Analysis, and Physics**”, including two annual meetings at the **Simons Foundation, NYC**, 2018 and 2019.
- Invited speaker to numerous international conferences: (selection)
Geometry and Strings: 2014 & 2015 & 2016 & 2017 & 2022 & 2023,
British Mathematical Colloquium, 2022, London, UK
Aspen Winter Conference 2022, Aspen, USA
Annual Theory Meeting, 2021, Durham, UK
KIAS-YITP 2019, Seoul, South Korea
KEK Winter Conference 2019, Tsukuba, Japan
Banff International Research Station: Geometry and Physics of F-theory, Banff, Canada
COST Network Conference 2017, Milano, Italy
Aspen Workshop on Superconformal theories 2017, Aspen, USA,
Planck 2014, Paris, France,
XXIV. Workshop Beyond the Standard Model, Bad Honnef, Iberian Strings 2013 (Lisbon, Portugal), **Bethe Workshop 2012**, (Bonn, Germany), **Integrability in Gauge and String Theory 2008**, (Utrecht, Netherlands)

INVITED LECTURES

- Invited Lecturer at the **TASI Summer School, 2023**, Boulder, Colorado, USA
- Invited Lecturer at the **ICTP Trieste Spring School 2023**, Trieste, Italy
- Invited Lecturer at the **15th Kavli Asian Winter School 2021**, Virtual
- Invited Lecturer at the **CERN Winter School 2019**, Geneva, Switzerland
- Invited Lecturer at the **CERN Winter School 2013**, Geneva, Switzerland
- Invited Speaker at "**Walter Burke Institute for Theoretical Physics**" Inaugural Conference, **Caltech, 2015**

PROFESSIONAL SERVICES

Editorial Work:

SciPost Member of the Editorial College, since 2020.

Communications in Mathematical Physics, Associate Editor 2023-2024 (resigned for personal reasons).

Advances in Theoretical and Mathematical Physics, Editor, since 2023

Referee:

Journal of High Energy Physics, Journal of Physics A, Journal of Statistical Mechanics, Letters in Mathematical Physics, Physics Letters B, Physical Review Letters, Physical Review D, Nuclear Physics B.

Scientific Committees:

Scientific Advisory Committee, Simons Center for Geometry and Physics, since 2023

Aspen Center for Physics, USA, General Member, since 2020

STFC Particle Physics Grants Panel (Theory), since 2020

STFC Rutherford Fellowship Panel, 2020, 2021, 2022

Steering Committee, Simons Collaboration on Special Holonomy, since 2020

Kavli IPMU, Tokyo University, External Advisory Committee, since 2019

Eurostrings Steering Committee, since 2021

String-Math Conference Series, Scientific Advisory Committee, 2014-2020, 2022-

Strings 2022 conference, Scientific Program Committee

Strings 2018 conference, Scientific Program Committee.

Oxford:

Chair of Finance Committee, Mathematical Institute, from 7/2022 -7/2023

Wadham College, Warden Search Committee (2020/2021)

Hiring committee for Associate Professor in Particle Phenomenology, Department of Physics

Hiring committee for Associate Professor in Combinatorics, Wadham College

Hiring committee for postdocs (2016, 2017, 2018, 2019, 2020, 2021)

Titchmarsh Fellowship Committee (2018, 2021)

Admissions Chair for PhD students (since 2018).

King's College London:

Hiring committee for Lecturer in Particle Theory, Physics Department

Admissions Tutor and Program Director for PhD in Theoretical Physics.

ORGANIZATION OF WORKSHOPS AND CONFERENCES

- 3-5/2025 KITP Program on Generalized Symmetries in Quantum Field Theory (with M. Barkeshli, M. del Zotto, S. Shao)
- 8/2024 Symmetries 2024 Conference, Oxford, UK
- 4/2023 Simons Collaboration Workshop: Special Holonomy and Physics, KITP, (with B. Acharya, M. Cvetič, D. Morrison).
- 1/2023 Simons Collaboration Workshop: Oxford (with D. Joyce, J. Lotay)
- 8/2022 **Generalized Global Symmetries, Quantum Field Theory, and Geometry**, Simons Center Stony Brook (with M. Del Zotto, postponed to 2022 due to Covid)
- 9/2022 **Aspen Center for Physics: Workshop on Higher Symmetry and Quantum Field Theory** (with C. Cordova, J. Plavnik, C. Teleman)
- 1/2022 **Simons Collaboration Workshop: Connections between String Theory and Special Holonomy**, virtual (with D. Joyce, and J. Lotay)
- 2022 **Workshop on Special Holonomy**, Nordita (with M. Larfors, postponed to 2022 due to Covid)
- 1/2021 **Simons Collaboration Workshop: Donaldson-Thomas Theory and Resurgence**, virtual (with D. Joyce, S. Salamon)
- 10/2020 **Special Holonomy and Branes**, (virtual) AIM, CA, USA (with S. Gukov, R. Mazzeo).
- 4/2020- **Virtual seminar series QFT and Geometry** and associated **QFT and Geometry Summer School**, as reaction to COVID-19.
- 9/2019 **Geometry and Strings 2019**, Oxford
- 3/2019 **Integrability and Conformal Field Theory, 2019** (with C. Beem, P. Fendley)
- 8/2018 **Superconformal Field Theories and Geometry**, Aspen Center for Physics (ACP), CO, USA (with D. Morrison and A. Tomasiello)
- 7/2018 **Bethe Forum: String Theory Challenges in Particle Physics and Cosmology**, Bethe Center, University of Bonn, Germany (with H.-P. Nilles, G. Honecker, M. Ratz)
- 4/2018 **Eurostrings 2018** (with J. Gauntlett, D. Martelli, S. Murthy)
- 2/2016 **"F-theory at 20" Conference**, Caltech, Pasadena.
- 10/2015 **"String-Pheno-Cosmo: School and Workshop"**, GGI, Florence, Italy
- 8/2015 **"F-Theory at the Interface of Particle Physics and Mathematics"**, ACP, USA
- 6/2014 **"Mathematics of String Theory (MOST)"**, London, UK
- 3/2014 **Supersymmetry Breaking in String Theory**, Isaac Newton Institute, UK

VISITING POSITIONS

- Visiting Fellowship position, **Perimeter Institute**, Canada, 2022-2024.
- Long-term invited visiting position: **Caltech**, 2009-2010, Pasadena, USA
- Short-term invited visiting positions:
 - Simons Center for Geometry and Physics**, Stony Brook, New York, USA
 - CERN**, Geneva, Switzerland
 - Aspen Center for Physics**: Working Group in 2017
 - Aspen Center for Physics**: Workshop organizer 2015
 - Aspen Center for Physics**: Working Group in 2011

POSTDOCS AND PHD STUDENTS

Current/Future Postdocs:

Dr Jingxiang Wu (until 9/2025)
Dr Christian Copetti (since 10/2023)
Dr Julius Grimminger (since 10/2023)
Dr Matthew Yu (since 10/2023)
Dr Andrea Antinucci (from 10/2024)
Dr Sheng-Jie Huang (from 10/2024)
Dr Kansei Inamura (from 10/2024)

Former Postdocs:

Dr Lakshya Bhardwaj (until 9/2023, now: Royal Society URF)
Dr Evyatar Sabag (until 9/2024)
Dr Yi-Nan Wang (until 5/2021, now: Associate Professor at Peking University, China)
Dr Andreas Braun (until 9/2019, now: Associate Professor at Durham University, UK)
Dr Heeyeon Kim (until 6/2020, now: Assistant Professor at Rutgers University, NJ, USA)
Dr Martin Bies (until 8/2020, now: Postdoc University of Pennsylvania, PA, USA)
Dr Fabio Apruzzi (until 9/2021, now: faculty at University of Padua)
Dr Simone Giacomelli (until 9/2021, now: Postdoc Bicocca University, Milano, Italy)
Dr Federico Bonetti (until 9/2022), now: Postdoc Simons Collaboration, Durham, UK

Current PhD Students:

Lea Bottini (year 3)
Daniel Pajer (year 2)
Alison Warman (year 1)
Yuhan Gai (year 0)

Past PhD Students:

Dewi Gould (PhD 2024: Postdoc at the Alan Turing Institute, London)
Marieke van Beest (PhD 2022: Postdoc at the Simons Center for Geometry and Physics)
Max Hubner (PhD 2021, Postdoc at University of Pennsylvania)
Sebastian Cizel (PhD 2021, AI Research)
Julius Eckhard (PhD 2020, works at SAP),
Jin-Mann (Jenny) Wong (PhD 2017, British Arctic Service)
Damiano Sacco (PhD 2017, Fellow ICI Berlin)
Craig Lawrie (PhD 2015, 5 year fellow, DESY, Hamburg)
Moritz Küntzler (PhD 2013)

TEACHING

University of Oxford:	Lecture Course: Renormalization Group from 2022 String Theory II since 2018 Tutorials at Wadham College: Geometry, Metric Spaces and Complex Analysis, Quantum Theory
King's College, London:	Lecture Courses: Calculus II (Vector Calculus) 2010-2016, First year students (180-250 students) Supersymmetry (2011-2016) MSc Course, Graduate Level Lecture
15th Kavli Asian Winter School 2021 CERN	Invited Lecturer Winter School 2013 Winter School 2019 Lectures on String Compactifications and Phenomenology
University of Hamburg: 2005	TA: Electrodynamics, Quantum Mechanics, Thermodynamics <i>Prize for outstanding teaching</i>
University of Cambridge:	Supervisions for Part III Courses: String Theory and Conformal Field Theory
St John's College, Cambridge:	Supervisions for the Mathematical Tripos: Part IB Electromagnetism Part IIB Electrodynamics, Foundations of Quantum Mechanics

PUBLICATIONS

All papers can be downloaded as pdf-files, including citation records, from:

<https://inspirehep.net/authors/1019576>

- [1] L. Bhardwaj, L. E. Bottini, S. Schafer-Nameki, and A. Tiwari, *Lattice Models for Phases and Transitions with Non-Invertible Symmetries*, arXiv:2405.0596.
- [2] L. Bhardwaj, L. E. Bottini, S. Schafer-Nameki, and A. Tiwari, *Illustrating the Categorical Landau Paradigm in Lattice Models*, arXiv:2405.0530.
- [3] F. Bonetti, S. Schafer-Nameki, and J. Wu, *MTC[M_3, G]: 3d Topological Order Labeled by Seifert Manifolds*, arXiv:2403.0397.
- [4] L. Bhardwaj, D. Pajer, S. Schafer-Nameki, and A. Warman, *Hasse Diagrams for Gapless SPT and SSB Phases with Non-Invertible Symmetries*, arXiv:2403.0090.
- [5] L. Bhardwaj, L. E. Bottini, D. Pajer, and S. Schafer-Nameki, *The Club Sandwich: Gapless Phases and Phase Transitions with Non-Invertible Symmetries*, arXiv:2312.1732.
- [6] L. Bhardwaj, L. E. Bottini, D. Pajer, and S. Schafer-Nameki, *Categorical Landau Paradigm for Gapped Phases*, arXiv:2310.0378.
- [7] L. Bhardwaj, L. E. Bottini, D. Pajer, and S. Schäfer-Nameki, *Gapped Phases with Non-Invertible Symmetries: $(1+1)d$* , arXiv:2310.0378.
- [8] F. Apruzzi, F. Bonetti, D. S. W. Gould, and S. Schafer-Nameki, *Aspects of Categorical Symmetries from Branes: SymTFTs and Generalized Charges*, arXiv:2306.1640.
- [9] S. Schafer-Nameki, *ICTP lectures on (non-)invertible generalized symmetries*, *Phys. Rept.* **1063** (2024) 1–55, [arXiv:2305.1829].
- [10] L. Bhardwaj and S. Schafer-Nameki, *Generalized Charges, Part II: Non-Invertible Symmetries and the Symmetry TFT*, arXiv:2305.1715.
- [11] L. Bhardwaj and S. Schafer-Nameki, *Generalized Charges, Part I: Invertible Symmetries and Higher Representations*, arXiv:2304.0266.
- [12] A. P. Braun, E. Sabag, M. Sacchi, and S. Schafer-Nameki, *G_2 -Manifolds from 4d $N=1$ Theories, Part I: Domain Walls*, arXiv:2304.0119.
- [13] A. Bourget, A. Collinucci, and S. Schafer-Nameki, *Generalized Toric Polygons, T-branes, and 5d SCFTs*, arXiv:2301.0523.
- [14] L. Bhardwaj, M. Bullimore, A. E. V. Ferrari, and S. Schafer-Nameki, *Generalized Symmetries and Anomalies of 3d $N=4$ SCFTs*, arXiv:2301.0224.
- [15] L. Bhardwaj, L. E. Bottini, S. Schafer-Nameki, and A. Tiwari, *Non-Invertible Symmetry Webs*, arXiv:2212.0684.
- [16] L. Bhardwaj, S. Schafer-Nameki, and A. Tiwari, *Unifying Constructions of Non-Invertible Symmetries*, arXiv:2212.0615.
- [17] I. Bah, D. S. Freed, G. W. Moore, N. Nekrasov, S. S. Razamat, and S. Schafer-Nameki, *A Panorama Of Physical Mathematics c. 2022*, arXiv:2211.0446.
- [18] M. van Beest, D. S. W. Gould, S. Schafer-Nameki, and Y.-N. Wang, *Symmetry TFTs for 3d QFTs from M-theory*, *JHEP* **02** (2023) 226, [arXiv:2210.0370].

- [19] D. Harlow *et. al.*, *TF1 Snowmass Report: Quantum gravity, string theory, and black holes*, [arXiv:2210.0173](#).
- [20] F. Apruzzi, I. Bah, F. Bonetti, and S. Schafer-Nameki, *Non-Invertible Symmetries from Holography and Branes*, [arXiv:2208.0737](#).
- [21] L. Bhardwaj, S. Schafer-Nameki, and J. Wu, *Universal Non-Invertible Symmetries*, *Fortsch. Phys.* **70** (2022), no. 11 2200143, [[arXiv:2208.0597](#)].
- [22] L. Bhardwaj, M. Bullimore, A. E. V. Ferrari, and S. Schafer-Nameki, *Anomalies of Generalized Symmetries from Solitonic Defects*, [arXiv:2205.1533](#).
- [23] L. Bhardwaj, L. E. Bottini, S. Schafer-Nameki, and A. Tiwari, *Non-Invertible Higher-Categorical Symmetries*, *SciPost Phys.* **14** (2023) 007, [[arXiv:2204.0656](#)].
- [24] M. Hubner, D. R. Morrison, S. Schafer-Nameki, and Y.-N. Wang, *Generalized Symmetries in F-theory and the Topology of Elliptic Fibrations*, *SciPost Phys.* **13** (2022), no. 2 030, [[arXiv:2203.1002](#)].
- [25] M. Del Zotto, I. n. García Etxebarria, and S. Schafer-Nameki, *2-Group Symmetries and M-Theory*, *SciPost Phys.* **13** (2022) 105, [[arXiv:2203.1009](#)].
- [26] I. Bah, D. Freed, G. W. Moore, N. Nekrasov, S. S. Razamat, and S. Schafer-Nameki, *Snowmass Whitepaper: Physical Mathematics 2021*, [arXiv:2203.0507](#).
- [27] L. Bhardwaj, S. Giacomelli, M. Hübner, and S. Schafer-Nameki, *Relative defects in relative theories: Trapped higher-form symmetries and irregular punctures in class S*, *SciPost Phys.* **13** (2022), no. 4 101, [[arXiv:2201.0001](#)].
- [28] F. Apruzzi, F. Bonetti, I. n. G. Etxebarria, S. S. Hosseini, and S. Schafer-Nameki, *Symmetry TFTs from String Theory*, [arXiv:2112.0209](#).
- [29] C. Closset, S. Schafer-Nameki, and Y.-N. Wang, *Coulomb and Higgs branches from canonical singularities. Part I. Hypersurfaces with smooth Calabi-Yau resolutions*, *JHEP* **04** (2022) 061, [[arXiv:2111.1356](#)].
- [30] F. Apruzzi, L. Bhardwaj, D. S. W. Gould, and S. Schafer-Nameki, *2-Group symmetries and their classification in 6d*, *SciPost Phys.* **12** (2022), no. 3 098, [[arXiv:2110.1464](#)].
- [31] L. Bhardwaj, M. Hubner, and S. Schafer-Nameki, *Liberating confinement from Lagrangians: 1-form symmetries and lines in 4d N=1 from 6d N=(2,0)*, *SciPost Phys.* **12** (2022), no. 1 040, [[arXiv:2106.1026](#)].
- [32] F. Apruzzi, S. Schafer-Nameki, L. Bhardwaj, and J. Oh, *The Global Form of Flavor Symmetries and 2-Group Symmetries in 5d SCFTs*, *SciPost Phys.* **13** (2022), no. 2 024, [[arXiv:2105.0872](#)].
- [33] F. Apruzzi, M. van Beest, D. S. W. Gould, and S. Schafer-Nameki, *Holography, 1-form symmetries, and confinement*, *Phys. Rev. D* **104** (2021), no. 6 066005, [[arXiv:2104.1276](#)].
- [34] L. Bhardwaj, M. Hubner, and S. Schafer-Nameki, *1-form Symmetries of 4d N=2 Class S Theories*, *SciPost Phys.* **11** (2021) 096, [[arXiv:2102.0169](#)].
- [35] C. Closset, S. Giacomelli, S. Schafer-Nameki, and Y.-N. Wang, *5d and 4d SCFTs: Canonical Singularities, Trinions and S-Dualities*, *JHEP* **05** (2021) 274, [[arXiv:2012.1282](#)].
- [36] M. Van Beest, A. Bourget, J. Eckhard, and S. Schafer-Nameki, *(5d RG-flow) Trees in the Tropical Rain Forest*, *JHEP* **03** (2021) 241, [[arXiv:2011.0703](#)].

- [37] L. Bhardwaj and S. Schafer-Nameki, *Higher-form symmetries of 6d and 5d theories*, JHEP **02** (2021) 159, [arXiv:2008.0960].
- [38] M. van Beest, A. Bourget, J. Eckhard, and S. Schafer-Nameki, *(Symplectic) Leaves and (5d Higgs) Branches in the Poly(go)nesian Tropical Rain Forest*, JHEP **11** (2020) 124, [arXiv:2008.0557].
- [39] C. Closset, S. Schafer-Nameki, and Y.-N. Wang, *Coulomb and Higgs Branches from Canonical Singularities: Part 0*, JHEP **02** (2021) 003, [arXiv:2007.1560].
- [40] D. R. Morrison, S. Schafer-Nameki, and B. Willett, *Higher-Form Symmetries in 5d*, JHEP **09** (2020) 024, [arXiv:2005.1229].
- [41] J. Eckhard, S. Schafer-Nameki, and Y.-N. Wang, *Trifectas for T_N in 5d*, JHEP **07** (2020), no. 07 199, [arXiv:2004.1500].
- [42] M. van Beest, S. Cizel, S. Schafer-Nameki, and J. Sparks, *$\mathcal{I}/c$ -Extremization in M/F-Duality*, SciPost Phys. **9** (2020), no. 3 029, [arXiv:2004.0402].
- [43] F. Apruzzi, S. Giacomelli, and S. Schafer-Nameki, *4d $\mathcal{N} = 2$ S-folds*, Phys. Rev. D **101** (2020), no. 10 106008, [arXiv:2001.0053].
- [44] F. Apruzzi, S. Schafer-Nameki, and Y.-N. Wang, *5d SCFTs from Decoupling and Gluing*, JHEP **08** (2020) 153, [arXiv:1912.0426].
- [45] J. Eckhard, H. Kim, S. Schafer-Nameki, and B. Willett, *Higher-Form Symmetries, Bethe Vacua, and the 3d-3d Correspondence*, JHEP **01** (2020) 101, [arXiv:1910.1408].
- [46] F. Apruzzi, C. Lawrie, L. Lin, S. Schafer-Nameki, and Y.-N. Wang, *Fibers add Flavor, Part II: 5d SCFTs, Gauge Theories, and Dualities*, JHEP **03** (2020) 052, [arXiv:1909.0912].
- [47] F. Apruzzi, C. Lawrie, L. Lin, S. Schafer-Nameki, and Y.-N. Wang, *Fibers add Flavor, Part I: Classification of 5d SCFTs, Flavor Symmetries and BPS States*, JHEP **11** (2019) 068, [arXiv:1907.0540].
- [48] F. Apruzzi, C. Lawrie, L. Lin, S. Schafer-Nameki, and Y.-N. Wang, *5d Superconformal Field Theories and Graphs*, Phys. Lett. B **800** (2020) 135077, [arXiv:1906.1182].
- [49] A. P. Braun, S. Cizel, M. Hübner, and S. Schafer-Nameki, *Higgs bundles for M-theory on G_2 -manifolds*, JHEP **03** (2019) 199, [arXiv:1812.0607].
- [50] C. Lawrie, D. Martelli, and S. Schafer-Nameki, *Theories of Class F and Anomalies*, JHEP **10** (2018) 090, [arXiv:1806.0606].
- [51] J. Eckhard, S. Schafer-Nameki, and J.-M. Wong, *An $\mathcal{N} = 1$ 3d-3d Correspondence*, JHEP **07** (2018) 052, [arXiv:1804.0236].
- [52] A. P. Braun and S. Schafer-Nameki, *$Spin(7)$ -manifolds as generalized connected sums and 3d $\mathcal{N} = 1$ theories*, JHEP **06** (2018) 103, [arXiv:1803.1075].
- [53] A. P. Braun, M. Del Zotto, J. Halverson, M. Larfors, D. R. Morrison, and S. Schafer-Nameki, *Infinitely many M2-instanton corrections to M-theory on G_2 -manifolds*, JHEP **09** (2018) 077, [arXiv:1803.0234].
- [54] C. Couzens, D. Martelli, and S. Schafer-Nameki, *F-theory and AdS_3/CFT_2 (2, 0)*, JHEP **06** (2018) 008, [arXiv:1712.0763].
- [55] A. P. Braun and S. Schafer-Nameki, *Compact, Singular G_2 -Holonomy Manifolds and M/Heterotic/F-Theory Duality*, JHEP **04** (2018) 126, [arXiv:1708.0721].

- [56] C. Couzens, C. Lawrie, D. Martelli, S. Schafer-Nameki, and J.-M. Wong, *F-theory and AdS_3/CFT_2* , *JHEP* **08** (2017) 043, [arXiv:1705.0467].
- [57] C. Lawrie, S. Schafer-Nameki, and T. Weigand, *The gravitational sector of 2d (0, 2) F-theory vacua*, *JHEP* **05** (2017) 103, [arXiv:1612.0639].
- [58] C. Lawrie, S. Schafer-Nameki, and T. Weigand, *Chiral 2d theories from $N = 4$ SYM with varying coupling*, *JHEP* **04** (2017) 111, [arXiv:1612.0564].
- [59] B. Assel and S. Schafer-Nameki, *Six-dimensional origin of $\mathcal{N} = 4$ SYM with duality defects*, *JHEP* **12** (2016) 058, [arXiv:1610.0366].
- [60] B. Assel, S. Schafer-Nameki, and J.-M. Wong, *M5-branes on $S^2 \times M_4$: Nahm's equations and 4d topological sigma-models*, *JHEP* **09** (2016) 120, [arXiv:1604.0360].
- [61] S. Schafer-Nameki and T. Weigand, *F-theory and 2d (0, 2) theories*, *JHEP* **05** (2016) 059, [arXiv:1601.0201].
- [62] A. P. Braun and S. Schafer-Nameki, *Box Graphs and Resolutions II: From Coulomb Phases to Fiber Faces*, *Nucl. Phys. B* **905** (2016) 480–530, [arXiv:1511.0180].
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