

Research profile

I am a theoretical physicist with over eight years of research experience spanning high-energy physics and general relativity. My work focuses on the analytical description of gravitational binary systems and their waveforms, combining particle-physics tools such as scattering amplitudes with post-Newtonian and gravitational self-force methods. During my PhD, I developed a direct link between on-shell scattering amplitudes and gravitational waveforms. Since then, I have worked on strong-field scatter-to-bound maps for Kerr orbits and waveforms, and on an effective-field-theory formulation of the self-force. I have developed this work in a highly collaborative international environment, working with more than thirty researchers across Europe, North America and Asia. In 2026, I was awarded the prestigious [Royal Society University Research Fellowship](#), a major eight-year fellowship with a total programme value of approximately £1.8 million, at the University of Southampton for the project *High-precision effective field theory for extreme-mass-ratio inspirals*.

My long-term vision is to create a unified framework that connects weak-field Post-Minkowskian and post-Newtonian theory with strong-field methods from the self-force approach, leading to improved waveform models for current (LIGO–Virgo–KAGRA) and future (LISA, ET and CE) gravitational-wave detectors. At Southampton I will build an independent group with two PhD students and a postdoctoral researcher, working on particle-physics methods for high-precision gravitational-wave modelling, with a particular focus on LISA.

Academic appointments

2026– **Royal Society University Research Fellow**, *University of Southampton*, Southampton

2025–2026 **Postdoctoral Research Associate**, *Queen Mary University of London*, London

2022–2025 **Postdoctoral Research Associate**, *University of Edinburgh*, Edinburgh

Fellowships and research funding

2026 **Royal Society University Research Fellowship**. Major eight-year fellowship; total programme value approximately £1.8 million. Host: University of Southampton. Project: *High-precision effective field theory for extreme-mass-ratio inspirals*. [\[scheme\]](#)

2019 **Marie Skłodowska-Curie ITN fellowship, SAGEX**. European Union Horizon 2020 fellowship, providing approximately €100k of personal fellowship support and advanced research and professional training over three years. [\[SAGEX\]](#)

2023–2026 **£139.7k secured in competitive funding for international programmes and workshops**: GGI six-week programme (£83.7k); ICTP-SAIFR two-week programme (£25k); Nordita two-week programme (£20.6k); and Higgs Centre workshop (£10.4k). Co-applicant and organiser for all four; main coordinator for the GGI, Nordita and Higgs Centre activities. Details are given below.

Education

2018–2022 **PhD in Theoretical Particle Physics**, *Trinity College Dublin*, Dublin

Supervisor: Prof. Ruth Britto. Thesis: *Coherent states and classical radiative observables in the S-matrix formalism* [\[thesis\]](#). During my PhD, I won a prestigious and competitive Marie-Curie International Training Network fellowship, *Scattering Amplitudes: from Geometry to Experiments* (SAGEX). The fellowship gave me research training through dedicated workshops and schools and a three-month internship at Wolfram Research, as well as training in scientific writing, presentation skills, STEM outreach, grant writing, time and project management, career development and good scientific practice. A detailed record is available on the [SAGEX website](#).

2015–2017 **MSc in Theoretical Physics**, *University of Padova*, Padova, *110/110 cum laude*

Erasmus+ exchange at the University of Göttingen for the MSc thesis *The infinite-spin representations of the Poincaré group*. Additional coursework: five examinations beyond the degree requirements (34 ECTS).

2012–2015 **BSc in Physics**, *University of Padova*, Padova, *110/110 cum laude*

Additional coursework: one examination beyond the degree requirements (6 ECTS).

Publications and research impact

My full publication list is available through my [INSPIRE–HEP profile](#) and [ORCID record](#). I have 22 papers, including 20 published in renowned journals such as *Journal of High Energy Physics*, *Physical Review D* and *Physical Review Letters*, with over 1000 citations and an *h*-index of 16 according to INSPIRE–HEP (July 2026).

Preprints

- [1] **R. Gonzo** and G. Mogull. “Canonical Quantisation of Bound and Unbound WQFT”. Preprint, 2026 [[arXiv:2603.05237](#)].
- [2] F. Alessio, V. Del Duca, **R. Gonzo**, and E. Rosi. “Gravitational amplitudes in the Regge limit: waveforms, shock waves and unitarity cuts”. Preprint, 2026 [[arXiv:2601.21687](#)].

Peer-reviewed publications

- [1] L. Barack, **R. Gonzo**, B. Leather, O. Long, and N. Warburton. “Resummed energy loss in extreme-mass-ratio scattering using critical orbits”. *Phys. Rev. D* 113, 104042 (2026) [[DOI](#)] [[arXiv:2602.10089](#)].
- [2] F. Alessio, V. Del Duca, **R. Gonzo**, E. Rosi, I. Z. Rothstein, and M. Saavedra. “Analytic structure of the high-energy gravitational amplitude: Multi-H diagrams and classical 5PM logarithms”. *Phys. Rev. D* 113, 105013 (2026) [[DOI](#)] [[arXiv:2511.11457](#)].
- [3] D. Akpinar, G. R. Brown, **R. Gonzo**, and M. Zeng. “Unexpected Symmetries of Kerr Black Hole Scattering”. *Phys. Rev. D* 113, L101501 (2026) [[DOI](#)] [[arXiv:2508.10761](#)].
- [4] F. Alessio, **R. Gonzo**, and C. Shi. “Dirac brackets for classical radiative observables”. *Phys. Rev. D* 112, 104060 (2025) [[DOI](#)] [[arXiv:2506.03249](#)].
- [5] D. Akpinar, V. del Duca, and **R. Gonzo**. “The spinning self-force EFT: 1SF waveform recursion relation and Compton scattering”. *Phys. Rev. D* 112, 084014 (2025). **Editor’s Suggestion** [[DOI](#)] [[arXiv:2504.02025](#)].
- [6] **R. Gonzo**, J. Lewis, and A. Pound. “First Law of Binary Black Hole Scattering”. *Phys. Rev. Lett.* 135, 131401 (2025). **Editor’s Suggestion; PRL Collection of the Year 2025** [[DOI](#)] [[arXiv:2409.03437](#)].
- [7] **R. Gonzo** and C. Shi. “Scattering and Bound Observables for Spinning Particles in Kerr Spacetime with Generic Spin Orientations”. *Phys. Rev. Lett.* 133, 221401 (2024) [[DOI](#)] [[arXiv:2405.09687](#)].
- [8] T. Adamo, **R. Gonzo**, and A. Ilderton. “Gravitational bound waveforms from amplitudes”. *JHEP* 05, 034 (2024) [[DOI](#)] [[arXiv:2402.00124](#)].
- [9] S. De Angelis, P. P. Novichkov, and **R. Gonzo**. “Spinning waveforms from the Kosower-Maybee-O’Connell formalism at leading order”. *Phys. Rev. D* 110, L041502 (2024) [[DOI](#)] [[arXiv:2309.17429](#)].
- [10] A. Cristofoli, **R. Gonzo**, N. Moynihan, D. O’Connell, A. Ross, M. Sergola, and C. D. White. “The uncertainty principle and classical amplitudes”. *JHEP* 06, 181 (2024) [[DOI](#)] [[arXiv:2112.07556](#)].
- [11] **R. Gonzo** and A. Ilderton. “Wave scattering event shapes at high energies”. *JHEP* 10, 108 (2023) [[DOI](#)] [[arXiv:2305.17166](#)].
- [12] **R. Gonzo** and C. Shi. “Boundary to bound dictionary for generic Kerr orbits”. *Phys. Rev. D* 108, 084065 (2023) [[DOI](#)] [[arXiv:2304.06066](#)].
- [13] T. Adamo and **R. Gonzo**. “Bethe-Salpeter equation for classical gravitational bound states”. *JHEP* 05, 088 (2023) [[DOI](#)] [[arXiv:2212.13269](#)].
- [14] **R. Gonzo**, T. McLoughlin, and A. Puhm. “Celestial holography on Kerr-Schild backgrounds”. *JHEP* 10, 073 (2022) [[DOI](#)] [[arXiv:2207.13719](#)].
- [15] R. Britto, **R. Gonzo**, and G. R. Jehu. “Graviton particle statistics and coherent states from classical scattering amplitudes”. *JHEP* 03, 214 (2022) [[DOI](#)] [[arXiv:2112.07036](#)].
- [16] A. Cristofoli, **R. Gonzo**, D. A. Kosower, and D. O’Connell. “Waveforms from amplitudes”. *Phys. Rev. D* 106, 056007 (2022). **Editor’s Suggestion** [[DOI](#)] [[arXiv:2107.10193](#)].
- [17] **R. Gonzo** and C. Shi. “Geodesics from classical double copy”. *Phys. Rev. D* 104, 105012 (2021) [[DOI](#)] [[arXiv:2109.01072](#)].
- [18] **R. Gonzo** and A. Pokraka. “Light-ray operators, detectors and gravitational event shapes”. *JHEP* 05, 015 (2021) [[DOI](#)] [[arXiv:2012.01406](#)].
- [19] **R. Gonzo**, T. Mc Loughlin, D. Medrano, and A. Spiering. “Asymptotic charges and coherent states in QCD”. *Phys. Rev. D* 104, 025019 (2021) [[DOI](#)] [[arXiv:1906.11763](#)].
- [20] S. Banerjee, S. Ghosh, and **R. Gonzo**. “BMS symmetry of celestial OPE”. *JHEP* 04, 130 (2020) [[DOI](#)] [[arXiv:2002.00975](#)].

International programmes and workshop series

In parallel with my research, I started a series of meetings to connect the general-relativity and particle-physics approaches to binary dynamics, which had often developed separately. The first workshop in Edinburgh focused on gravitational self-force and scattering amplitudes; the later meetings broadened the discussion to post-Newtonian, post-Minkowskian, effective-one-body, numerical-relativity and data-analysis methods. The aim has been practical: to compare methods, identify calculations that can be cross-checked, and start collaborations on waveform modelling, especially for LISA. I secured competitive funding for the series and was the main coordinator for Edinburgh, Nordita and the forthcoming GGI programme.

2027 Main coordinator and co-organiser, forthcoming GGI programme *Synergies for Black-Hole Binaries: from Perturbative Techniques to Strong-Field Gravity*, Florence. Six-week programme including a conference week.

2027 Co-organiser, forthcoming ICTP-SAIFR / Principia programme *All Roads Lead to Waveforms: GSF, PM, PN and All That*, São Paulo. Two-week programme including a PhD school.

2026 Main coordinator and co-organiser, *Amplitudes, Strong-Field Gravity, and Resummation*, Nordita, Stockholm. Two-week programme including a one-week PhD school and a one-week workshop, with about 120 participants. [\[programme\]](#)

2025 Co-organiser, *2nd Annual Workshop on Self-Force and Amplitudes*, University of Southampton. One-week workshop with about 70 participants. [\[workshop\]](#)

2024 Main coordinator and co-organiser, *Gravitational Self-Force and Scattering Amplitudes*, Higgs Centre, Edinburgh. One-week workshop with about 40 participants. [\[workshop\]](#)

Other scientific organisation

2025–2026 Local organiser, QMUL Centre for Theoretical Physics journal club; coordinated regular biweekly meetings.

2022–2023 Co-organiser, GRAMPA online seminar series on scattering amplitudes and their applications to gravitational waves.

2021 Co-organiser, SAGEX Amplitudes School, Niels Bohr Institute, held in connection with the Amplitudes 2021 conference. I helped coordinate the lecturers and the online school programme. [\[school\]](#)

Competitive programme and workshop funding

2026 £83.7k, GGI programme *Synergies for Black-Hole Binaries: from Perturbative Techniques to Strong-Field Gravity*; co-applicant and main coordinator.

2026 £25k, ICTP-SAIFR / Principia programme *All Roads Lead to Waveforms: GSF, PM, PN and All That*; co-applicant and organiser.

2025 £20.6k, Nordita programme *Amplitudes, Strong-Field Gravity, and Resummation*; co-applicant and main coordinator.

2023 £10.4k, Higgs Centre workshop *Gravitational Self-Force and Scattering Amplitudes*; co-applicant and main coordinator.

Supervision and mentoring

2024– PhD co-supervisor: Emanuele Rosi, *Sapienza University of Rome*

Co-supervision with Prof. Vittorio Del Duca. I proposed the initial project on gravitational waves and scattering amplitudes for compact binaries. We meet weekly, and the collaboration has already led to two joint papers: [\[arXiv:2511.11457\]](#) and [\[arXiv:2601.21687\]](#).

2024 MSc co-supervisor: Andrea de Simone, *Sapienza University of Rome*

Six-month thesis on gravitational scattering amplitudes and the two-body problem; co-supervision with Prof. Vittorio Del Duca.

2024 MSc co-supervisor: Damiano Barcaro, *Sapienza University of Rome*

Six-month thesis: *Scattering waveforms for Kerr black holes from the soft expansion* [\[paper\]](#); subsequently began a PhD at Johannes Gutenberg University Mainz.

2022 MSc supervisor: **Leixi Wang**, *University of Edinburgh*

Four-month thesis, *Classical spacetimes from amplitudes*; I proposed the project and supervised it to completion.

Invited talks, discussion leadership and seminars

Invited talks at conferences and workshops

- May 2026 **CERN, Gravitational Waves from Amplitudes**: *Gravitational scattering in the ultra-relativistic limit*, Geneva.
- Mar. 2026 **1st APCTP–London Triangle Global Collaboration Workshop**: *What particle theory teaches us about binary black holes*, King's College London.
- Mar. 2026 **Black Hole Perturbations and Holography, IGAP**: *Self-force EFT for black-hole binaries: bridging weak- and strong-field expansions via critical orbits*, Trieste. [\[video\]](#)
- Mar. 2026 **Max Planck Group Leader Symposium**: *Particle theory for gravitational waveform modelling*, Harnack Haus, Berlin.
- Nov. 2025 **FPUK Meeting 2025**: *Unexpected symmetries and on-shell integrability of Kerr black-hole scattering*, King's College London. [\[video\]](#)
- June 2025 **Amplitudes 2025**: *Dirac brackets for classical black-hole scattering: from amplitudes to observables*, Seoul. [\[video\]](#)
- May 2025 **Investigating Compact Objects and Binary Mergers with Gravitational Waves**: *Worldline approach for Kerr black holes: PM vs GSF*, Sapienza University of Rome.
- Feb. 2025 **First Quantisation for Physics in Strong Fields**: *Worldline approach for spinning bound binaries*, Higgs Centre, Edinburgh.
- Feb. 2025 **String Theory as a Bridge between Gauge Theory and Quantum Gravity**: *S-matrix tools for bound waveform modelling*, Sapienza University of Rome.
- Jan. 2025 **KITP, What Is Particle Theory?**: *Classical bound observables from the S-matrix formalism*, Santa Barbara. [\[video\]](#)
- Oct. 2024 **MIAPbP**: *On-shell maps between scattering and bound observables*, Munich.
- Sept. 2024 **AEI, Fundamental Physics Meets Waveforms with LISA**: *Black holes as point particles: from amplitudes to bound waveforms*, Potsdam.
- July 2024 **ECCF 2024**: *Light-ray operators in gauge and gravity theory: new infrared-finite local observables*, Mainz.
- Feb. 2024 **JENAS Initiative: Gravitational Wave Probes of Fundamental Physics**: *Black holes as point particles: from amplitudes to self-force*, Rome.
- Jan. 2024 **GRAMPA / ICMS**: *Classical gravitational bound states with amplitudes*, Edinburgh. [\[video\]](#)
- Aug. 2023 **GWs Meet Amplitudes**: *From classical scattering amplitudes to bound-state observables*, São Paulo. [\[video\]](#)
- Dec. 2022 **QCD Meets Gravity**: *Bethe–Salpeter equation for classical gravitational bound states*, Zürich. [\[video\]](#)
- Sept. 2022 **Celestial Amplitudes and Flat-Space Holography**: *Celestial holography on non-trivial backgrounds*, Corfu. [\[video\]](#)
- Aug. 2022 **Physics in Intense Fields, PIF22**: *High-energy limit of quantum and classical wave-scattering observables*
- Dec. 2021 **QCD Meets Gravity**: *An infinity of amplitude relations in classical physics*, UCLA. [\[video\]](#)
- May 2021 **GGI workshop**: *Waveforms from the KMOC formalism and coherent states*, Florence. [\[video\]](#)

Contributed talks

- Sept. 2026 **Avenues of Quantum Field Theory in Curved Spacetime 2026**: *Weak-to-strong field resummation in black-hole binaries*, Lisbon. [\[event\]](#)
- July 2026 **Capra Conference 2026**: *Self-force EFT for binary dynamics: a worldline approach to bound motion*, Brussels.
- July 2025 **Capra Conference 2025**: *Worldline approach to Kerr black holes: PM vs GSF*, Southampton.
- Apr. 2025 **BritGrav 2025**: *Worldline approach to Kerr black holes: PM vs GSF*, University of Birmingham.
- Sept. 2023 **New Frontiers in Theoretical Physics**: *Classical gravitational bound states with amplitudes*, Cortona.
- Dec. 2020 **XVI Avogadro Meeting**: *Light-ray operators and detector algebra*

Discussion panels and session leadership

- July 2025 **Capra Conference 2025**: *Invited discussion panellist, “Synergies and hybrid models”*, Southampton.
- June 2024 **S-matrix Bootstrap 2024**: *Invited talk for the discussion session “Gravitational waves and scattering amplitudes”*, Reykjavík.
- Mar. 2024 **Gravitational Self-Force and Scattering Amplitudes**: *Leader of the discussion session “Self-force and amplitudes”*, Edinburgh.

Sept. 2022 **Celestial Amplitudes and Flat-Space Holography**: Invited lecture for the discussion session “Connections between gravity, classical observables and scattering amplitudes”, Corfu.

Invited seminars

June 2026 **CERN**: *High-energy scattering in gravity: Regge theory, shock waves and beyond*, Geneva.
Mar. 2026 **GRAMPA seminar series**: *Self-force EFT: weak-to-strong-field resummation in black-hole binaries*, online.
Dec. 2025 **IHES**: *Regge theory for gravity amplitudes*, Paris.
Nov. 2025 **Amplitudes Lounge Seminar**: *High-energy gravitational scattering: Regge theory and shock-wave formalism*, online.
June 2025 **AEI**: *Dirac brackets for classical black-hole scattering*, Berlin.
Feb. 2025 **UCLA**: *Insights into the scattering-to-bound map from the self-force approach*
Nov. 2024 **NBI**: *The on-shell space of scattering and bound classical observables*, Copenhagen.
Sept. 2024 **Humboldt University DFG retreat**: *Shedding light on bound states with the S-matrix*, Berlin.
Sept. 2024 **Worldline Seminars**: *Classical scattering and bound observables from the worldline approach to the two-body problem*, online.
May 2024 **University of Zürich**: *From amplitudes to gravitational bound observables*
May 2024 **Scuola Normale Superiore**: *Classical bound observables from amplitudes*, Pisa.
Apr. 2024 **Higgs Centre**: *Scattering and bound observables for spinning particles in Kerr*, Edinburgh.
Apr. 2024 **NTNU**: *Gravitational bound waveforms from amplitudes*, Taiwan, online.
Mar. 2024 **ITMP, Moscow State University**: *Gravitational bound waveforms from amplitudes*, online.
Feb. 2024 **Joint Belgian HEP TH Seminars**: *Gravitational bound waveforms from amplitudes*, Brussels.
Nov. 2023 **Sapienza University of Rome**: *Scattering and bound waveforms for Kerr black holes*
Nov. 2023 **University of Rome Tor Vergata**: *Scattering and bound waveforms for Kerr black holes*
Nov. 2023 **STAG Centre**: *Spinning waveforms from classical amplitudes*, Southampton.
May 2023 **IPhT**: *Boundary-to-bound dictionary for generic Kerr orbits*, Paris.
Mar. 2023 **University of Geneva**: *Shedding light on bound states with amplitudes*
Dec. 2022 **Higgs Centre**: *Bethe–Salpeter equation for classical bound states*, Edinburgh.
Nov. 2022 **University of Nottingham**: *Celestial holography on non-trivial backgrounds*
Apr. 2022 **University of Padova**: *Amplitudes for the classical two-body problem in general relativity*
Mar. 2022 **University College Dublin**: *Classical amplitudes for the two-body problem in general relativity*
Sept. 2021 **Caltech**: *Gravitational event shapes and coherent states for gravitational waves*
June 2021 **Higgs Centre**: *Coherent states from amplitudes and classical factorisation*, Edinburgh.
Feb. 2021 **NBI**: *Waveforms from amplitudes and coherent states*, Copenhagen.
Jan. 2020 **Trinity College Dublin**: *OPE at null infinity*, Dublin.
May 2017 **University of Göttingen**: *The structure of intertwiners in the infinite-spin representation*

Teaching activities

Teaching and tutoring at high-school, Master’s and PhD levels, primarily in English.

2025 **Invited Lecturer**, PhD school *Analytic Computing in High-Energy and Gravitational Theoretical Physics*, Atrani. Delivered a series of PhD-level lectures entitled *On-shell observables in the gravitational two-body problem* to about 40 graduate students and early-career researchers. [\[school\]](#)

2022 **Tutor**, BUSSTEPP, Imperial College London. Two-week PhD-level summer school; tutorial and problem-solving sessions for about 80 international PhD students.

2022 **Tutor**, Conformal Bootstrap course, Higgs Centre School of Theoretical Physics. One-week PhD-level school course; tutorial and problem-solving sessions for about 50 international students.

2022 **Full-time teacher**, Differential Calculus, International School of Business / Niels Brock programme, Dublin. Three-month course for two high-school classes of about 40 students each; responsible for course delivery, regular assessment, final examination and grading.

2019–2020 **Teaching Assistant**, Trinity College Dublin. Master’s-level courses in Quantum Field Theory II, Combinatorics and Algebraic Geometry (5 ECTS each); each course lasted about four months, with classes of about 30–40 students.

Academic service

2022– Journal referee for *Journal of High Energy Physics*, *Physical Review D*, *Physical Review Letters*, *Journal of Cosmology and Astroparticle Physics* and *SciPost Physics*.

2025 Member of a PhD selection committee at Queen Mary University of London.

2024 Panel member for MPhys thesis presentations in Astronomy and Cosmology at the University of Edinburgh; assessed about 50 candidates.

Scientific memberships

2025– Core member of the Laser Interferometer Space Antenna (LISA) Consortium; initiating projects on EMRI waveform construction and validation, and on applications of particle-physics methods to gravitational-wave data analysis.

2026– Core member of the Einstein Telescope (ET) Collaboration.

Research stays

2024 Humboldt University, Berlin (September–October); invited by Jan Plefka.

2021 Institut de Physique Théorique (IPhT), Paris (November–December); invited by David A. Kosower.

2020 Higgs Centre for Theoretical Physics, Edinburgh (February); invited by Donal O'Connell.

2019 CERN, Geneva (August); invited by Claude Duhr.

Press and outreach

2026 Featured in the Nordita article *Bringing together communities to improve precision in gravitational-wave modeling*, about the scientific aims of the programme and the experience of students and postdoctoral researchers who took part. [\[article\]](#)

2022 Interviewed by Charlie Wood for the *Quanta Magazine* article *Massive Black Holes Shown to Act Like Quantum Particles*, about my work on coherent graviton states and the quantum-to-classical transition in black-hole scattering. [\[article\]](#)

2022 Contributed personal video footage to the SAGEX film *Doing a PhD in Physics*, presenting the daily life, challenges and rewards of doctoral research. [\[film\]](#)

2021 Contributed to the Feynman-diagram section of the SAGEX online exhibition *At the Frontiers of Physics*, using short videos and interactive material to introduce particle physics to a broad audience. [\[exhibition\]](#)

Public-engagement activities with *Pint of Science* in Padova, Edinburgh and London.

Research software and external collaboration

2021 **Mathematics in Industry Study Group**, *ESGI 165 / Defence Science and Technology Laboratory (DSTL)*

Contributed to the report *Using the Electromagnetic Spectrum*. The project focused on estimating the location and power of an unknown transmitter from signal-strength measurements, using mathematical modelling, statistical inference and numerical methods. [\[report\]](#)

2021 **Research Software Intern**, *Wolfram Research*, Champaign, Illinois

Developed code for the symbolic integration of products of Meijer G functions with Devendra Kapadia. The implementation outperformed the standard `Integrate` function in a number of cases and was incorporated into Mathematica 14.0.

Skills Mathematica, C++, $\text{\LaTeX}$, Git and Linux; experience with MATLAB and COMSOL Multiphysics.

Languages Italian: mother tongue; English: fluent professional working language.

References

Prof. Ruth Britto, Professor in Theoretical Physics, Trinity College Dublin. britto@maths.tcd.ie

Prof. Donal O'Connell, Professor of Theoretical Physics, University of Edinburgh. donal@ed.ac.uk

Prof. Adam Pound, Professor of Theoretical Physics, University of Southampton. A.Pound@soton.ac.uk

Additional references available upon request: Prof. Tim Adamo, Prof. Leor Barack, Prof. Vittorio Del Duca, Prof. David A. Kosower, Prof. Ira Z. Rothstein, Prof. Niels Warburton and Prof. Mao Zeng.