2024/25 Annual Report Supplement

Covering the objectives, activities, and finances
for the eight-month period of August 1, 2024, to March 31, 2025

Submitted by: Marcela Carena, Executive Director
To: The Honourable Nolan Quinn
Minister of Colleges, Universities, Research Excellence and Security

Contents

Supplement to the Public Annual Report
covering the objectives of the 2024/25 Corporate Plan
for the period of August 1, 2024, to March 31, 2025.

Objective 1

Advance "moonshot research" across a strategic portfolio of research programs and initiatives, making scientific breakthroughs that advance scientific knowledge, spur technology development, and create economic opportunities.

Summary of achievements

- Advanced fundamental research through 457 high-calibre papers.[1]
- Since the Institute's inception, Perimeter researchers have produced 8,860 papers, appearing in more than 265 journals and on the arXiv, which have earned 521,445 citations, attesting to the importance and long-term impact of Perimeter research.
- Recognized with 17 national and international honours; for a list of honours, awards, and major grants received by Perimeter researchers, refer to **Honours, Awards, and Major Grants** section of the Annual Report.
- For descriptions of several research highlights, including new theories surrounding dark energy as captured by evidence from the Dark Energy Spectroscopic Instrument (DESI) collaboration, improved intensity interferometry technology, efforts to survey the entire southern hemisphere night sky, as well as tackling the unknowns of quantum computing through approximate quantum error-correction and quantum gates, refer to **Research Highlights** section of the Annual Report.

Supplementary information (beyond the Annual Report contents)

Grants

- In 2024/25, the following Perimeter faculty members and researchers received grants from the Natural Sciences and Engineering Research Council of Canada (NSERC):
    - Research Faculty Member Alex May – $484,500 over two years for an NSERC–United Kingdom Research and Innovation Alliance International Collaboration Quantum grant
    - Postdoctoral Researcher Meri Zaimi – $140,000 over two years for an NSERC Postdoctoral Fellowship
- In 2024/25, the following Perimeter faculty members and teams received the Frontiers of Science Award from the International Congress of Basic Science for their top-quality research and breakthrough results that are of outstanding scholarly value:
    - Research Faculty member and Krembil William Rowan Hamilton Chair in Theoretical Physics Kevin Costello
    - Event Horizon Telescope team, including six Perimeter Institute scientists

[1] This reflects the eight-month reporting period from August 1, 2024 to March 31, 2025. Each publication has been counted only once, regardless of how many Perimeter researchers collaborated on it.

- Research Faculty member and Krembil Galileo Galilei Chair in Theoretical Physics Davide Giaotto
- Research Faculty member Chong Wang

➢ Other grants and awards to Perimeter faculty and initiatives included:
(Figures in Canadian dollars unless otherwise specified)

- Research Faculty members Beni Yoshida and Sisi Zhou, $660,000 over three years through a Collaborative Science, Technology and Innovation program grant from the National Research Council of Canada's Applied Quantum Computing Challenge program
- Research Faculty member Bianca Dittrich, computational resources valued at approximately $67,666 from the Digital Research Alliance Canada
- Outreach Faculty member and Hawking Chair in Cosmology and Science Communication Katherine Mack, seed funding of $47,800 over two years from the Canadian Institute for Advanced Research's Catalyst Fund

Objective 2

Create the world's strongest community of theoretical physics researchers by continuing to attract and retain top international talent and providing them with unparalleled infrastructure and support to help maximize productivity.

Summary of achievements

- Executive Director Marcela Carena and Faculty Chair Bianca Dittrich led a complement of 27 research faculty, including eight Perimeter Research Chairs (plus three visiting Perimeter Research Chairs), 20 research associate faculty, one outreach faculty, and four teaching faculty. For a list of Research Chairs, refer to **Research Community and Partnerships** section of the Annual Report. For all faculty bios, see **Appendix** of the Annual Report.
- Continued multiple Emmy Noether Initiatives aimed at attracting and supporting women in science. See additional details under Objective 7

Supplementary information (beyond the Annual Report contents)

- Undertook recruitment activities for one new associate faculty member in quantum matter, resulting in the successful recruitment of Wenjie Ji with McMaster University.
- Continued to provide comprehensive ongoing support for researchers' families, including career support to partners; assistance accessing housing, local services, health care, and childcare; and social gatherings (in person or online) to help them build a support network and become established in the local community.
- Continued numerous ongoing wellness and social activities for resident researchers and staff, contributing to a positive work environment.
- Continued to offer support for a hybrid work environment, including video conferencing options for all meetings, seminars, and colloquia, and provided ongoing communication to all Perimeter residents about available supports.
- Engaged the services of two in-house mental health professionals to provide individual counselling as well as a podcast on mental wellness available for all researchers and their families.

Objective 3

Strengthen Canada's research capacity through partnerships with universities, research technology organizations, experimental and observational centres and through the Perimeter Affiliate program.

Summary of achievements

- Close ties between Perimeter researchers and those at other Canadian institutions are essential to building the capacity of physics research across Canada. Through its research associate faculty, Perimeter has enabled seven Canadian universities to attract and hire outstanding scientists, many of whom those institutions could not have hired on their own. In 2024/25, Perimeter maintained 20 jointly appointed associate faculty with Canadian universities. For all research associate faculty bios, see **Appendix** of the Annual Report.
- Partnered with the University of Waterloo to run the Perimeter Scholars International (PSI) master's program and involved faculty from Canadian and international universities as lecturers (see Objective 5).
- Appointed two new scientific researchers as Affiliate members, bringing the total to 101 from 34 Canadian universities and organizations; for more information, see **Research Community and Partnerships** section of the Annual Report.
- Formed three new research and training partnerships, bringing the total to 19 active partnerships with universities across Canada to foster connectivity and research excellence across the Canadian research community.
- Maintained four research partnerships with industry partners hosted in the Perimeter Institute Quantum Intelligence Lab (PIQuIL) collaborative research space.

Supplementary information (beyond the Annual Report contents)

Catalyzing the quantum ecosystem

A significant portion of Perimeter's research is relevant to the rapidly developing field of quantum technology. Perimeter continues to work with key partners in Waterloo Region's quantum ecosystem, ensuring Canada remains a leader in the global effort to create and support quantum industries. These industries are already seeing major increases in investment and job creation.

Local partners include those in the academic community (e.g., the Institute for Quantum Computing [IQC]), technology pioneers (e.g., 1QBit, Irréversible, IonQ), business development offices (e.g., the Waterloo Economic Development Corporation), and venture capitalists (e.g., Quantum Valley Investments).

Perimeter's closest experimental partner continues to be IQC. Perimeter's ties to IQC in 2024/25 included jointly appointed Research Associate Faculty members David Gosset, Raymond

Laflamme, Debbie Leung, Michele Mosca, and Christine Muschik, as well as several jointly appointed postdoctoral researchers.

Perimeter is also an integral part of the Toronto-Waterloo Region tech corridor. For instance, in 2024/25, former Perimeter postdoctoral researcher Daniel Egana-Ugrinovic joined a quantum computing company in Toronto, Xanadu, as a Senior Photonics Engineer. This is in addition to Perimeter Research Scientist Estelle Inack and Perimeter postdoctoral researcher Aida Ahmadzadegan, who have launched their own start-up companies, yiyaniQ and ForeQast, respectively. Perimeter Research Associate Faculty member Roger Melko is a scientific lead at Creative Destruction Lab and a faculty affiliate at the Vector Institute. Numerous Perimeter alumni have recently founded or joined tech companies in the region and nationally, including Agnostiq, Canopy Labs (recently acquired by Drop), Ventureum, Quantum Benchmark, Invenia Labs, Touchstone Intelligent Marketing and Xanadu Quantum Technologies.

At a governance level, Perimeter Board Chair Mike Serbinis is a global technology leader and entrepreneur who has built transformative technology and platforms across several industries and is the founder of the digital health tech company League. He also dedicates his time to organizations that are putting Canada on the map globally, including the Vector Institute, C100, and Creative Destruction Lab. Serbinis has been a champion and supporter of Perimeter for many years and joined the Institute's Board of Directors in 2014.

Partnerships and collaborative efforts

Perimeter continues to strengthen Canadian networks in physics research through collaborative efforts at the regional, provincial, and national levels.

- PIQuIL is a research centre and training hub where physicists gather to advance the use of artificial intelligence algorithms in quantum physics. PIQuIL researchers come from academia and industry to foster cross-disciplinary collaboration. Quantum computing start-ups, such as Vancouver-based 1QBit, Quebec semiconductor company Irréversible, and US/Ukrainian start-up Haiqu, and Canadian quantum connection companies such as Quantum Industry Canada, have research staff at PIQuIL to take advantage of research synergies. PIQuIL works in collaboration with artificial intelligence centres and experts in Montreal, Ottawa, Sherbrooke, Toronto, Edmonton, and Vancouver.
- Other national partnerships include those with the Fields Institute for Research in Mathematical Sciences and the Dunlap Institute at the University of Toronto; McMaster University in Hamilton, Ontario; and the Institut de Valorisation des Données (IVADO) in Montreal.

Experiment and observation are the tests of all theoretical physics. Perimeter scientists are encouraged to forge strong partnerships with **observational and experimental** centres and initiatives across Canada.

- The Institute has formal partnership agreements with SNOLAB, an underground science laboratory specializing in neutrino and dark matter physics, and TRIUMF, Canada's particle accelerator centre.
- Daniel Family James Peebles Chair Kendrick Smith, Associate Faculty member Ue-Li Pen, Computational Scientists Dustin Lang and Erik Schnetter, and Research Scientist Seth Seigel are deeply involved with fast radio burst research with CHIME (Canadian Hydrogen Intensity Mapping Experiment) and the Dominion Radio Astronomy Observatory, and CHIME's successor project, CHORD (Canadian Hydrogen Observatory and Radio-transient Detector).
- Ana Ennis, a joint postdoctoral researcher at Perimeter Institute and the University of Waterloo Centre for Astrophysics, is working alongside a team of international astronomers with the Vera C. Rubin Observatory. Ennis serves as the co-chair for the Star Clusters Working Group within the Legacy Survey of Space and Time's science collaborations to work with the incoming flood of data from the new telescope.

Objective 4

Position Canada as a global leader in fundamental physics through timely exchange of ideas and collaboration, including visitor programs, conferences and seminars, and international partnerships.

Summary of achievements

- Appointed four new leading scientists as Distinguished Visiting Research Chairs (DVRCs), bringing the total to 48. For details of the DVRC program, see **Research Community and Partnerships** section of the Annual Report. For a full list of DVRCs, see **Appendix** of the Annual Report.
- Appointed seven new accomplished researchers as Visiting Fellows for a total of 81. For more information, see **Research Community and Partnerships** section of the Annual Report. A full list of Visiting Fellows is on **pages 20-22** of this supplement.
- Due to the shift in Perimeter's fiscal year, no new Emmy Noether Fellows or Postdoctoral Fellows were appointed in the 2024/25 reporting year due to misalignment of the offer and acceptance schedule with the truncated fiscal year. For details on the Simons Emmy Noether Fellows program, including its place in Perimeter's broader Emmy Noether Initiatives, and a profile of Simons Emmy Noether Fellow Cora Uhlmann, refer to **Emmy Noether Initiatives** section of the Annual Report.
- Hosted five conferences and workshops at Perimeter, all with options for remote participation, bringing at 355 scientists to Perimeter to participate. A full list of 2024/25 conferences is in the **Conferences and Workshops** section of the Annual Report.
- Sponsored six research workshops and conferences across Canada hosted by Canadian universities and science organizations, helping to build national research capacity; see the list of sponsored conferences in **Conferences and Workshops** section of the Annual Report.
- Hosted 195 scientific talks, seminars, and colloquia. For more information, including details of the Perimeter Institute Recorded Seminar Archive (PIRSA), refer to **Seminars and Colloquia** section of the Annual Report.
- Formed two new partnerships with leading international research centres for visitor exchange and collaboration, bringing the total to 11.

Supplementary information (beyond the Annual Report contents)

In addition to dozens of individual researcher collaborations (see examples in the following list), Perimeter holds collaboration agreements with 11 international research centres to accelerate research and the exchange of cutting-edge ideas. These agreements facilitate visits between the partners, which include the newly formed Heidelberg University (Germany), the South American

Institute for Fundamental Research (Brazil), the International School for Advanced Studies (Italy), and the Kavli Institute for the Physics and Mathematics of the Universe (Japan).

Engagement with international experimental and observational centres

- Several researchers connected to Perimeter's Centre for the Universe play significant roles in experimental and observational work around the world. Here are a few of those global connections:
    - Research Associate Faculty member Will Percival is a senior member of eBOSS (Extended Baryon Oscillation Spectroscopic Survey), DESI (Dark Energy Spectroscopic Instrument), and the Euclid experiment of the European Space Agency.
    - Research Associate Faculty member Avery Broderick is a leader in the international Event Horizon Telescope collaboration – an array of linked radio telescopes around the world, plus 65 affiliated institutions.
    - Daniel Family James Peebles Chair Kendrick Smith is a leader in the CHORD project, acting as project scientist and leading the software development effort at Perimeter with Research Scientist Seth Seigel and Computational Scientists Dustin Lang and Erik Schnetter.
    - Perimeter is a collaborating institution in the Simons Observatory, with Daniel Family James Peebles Chair Kendrick Smith, Research Associate Faculty member Matthew Johnson, and several postdoctoral researchers and students involved.
    - Stavros Niarchos Foundation Aristarchus Chair Asimina Arvanitaki is part of the ARIADNE (Axion Resonant InterAction Detection Experiment) collaboration, which is looking for axion-mediated interactions in matter.
    - Carlo Fidani Rainer Weiss Chair Luis Lehner is a member of the LIGO/VIRGO/KAGRA Collaboration, providing theoretical frameworks to understand gravitational wave observations.
- Perimeter researchers also have collaborations and partnerships with international private sector industry labs, such as Quantinuum, Pasqal, and IBM.

South American Institute for Fundamental Research

Perimeter has partnered with the South American Institute for Fundamental Research (SAIFR), located at São Paulo State University in Brazil, since 2015. The two institutes have a great deal in common, including several research fields, and active visitor and outreach programs.

In 2024/25, Perimeter continued to assist with SAIFR's growth.

- Research Faculty member Pedro Vieira spends a portion of each year in Brazil, helping to develop SAIFR, while Research Faculty member Luis Lehner serves on SAIFR's Scientific Council.

- Perimeter's Outreach team continues to assist SAIFR in developing its own outreach efforts, including helping to deliver 9 teacher training workshops to 555 participants in Brazil in 2024/25.

Objective 5

Train exceptional graduate students and postdoctoral researchers, developing their potential as innovators with powerful and widely applicable skills that will fuel successful individual careers and the knowledge economy more broadly.

Summary of achievements

- Welcomed 15 new postdoctoral researchers from a pool of 1,306 applicants. For details of the postdoctoral program, including profile of Anindita Maiti, quantum fields and strings postdoctoral researcher, see **Postdoctoral Researchers** section of the Annual Report.
- Provided ongoing training for 70 resident postdoctoral researchers; for a list of all postdocs at Perimeter in 2024/25, see **Appendix** of the Annual Report.
- Provided ongoing training for 78 resident PhD students. For details of the PhD program and profiles of our PhD students, see **PhD Students** section of the Annual Report. For a list of PhD students at Perimeter in 2024/25, see **Appendix** of the Annual Report.
- Supported postdoctoral researchers and graduate students at nearby Ontario universities through associate programs, which offered access to Perimeter's research environment to 17 associate postdocs, 35 associate PhD students, and 18 associate master's students in 2024/25. For more information, see **PhD Students** section of the Annual Report.
- Successfully ran the PSI master's program for 25 exceptional students; in 15 years, 445 students have completed the PSI program. Perimeter also retained 2 PSI students for the new two-year program in 2024/25; both students completed internships as part of their second year. For details of these PSI programs, see **Perimeter Scholars International** section of the Annual Report. For a full list of PSI academic staff and PSI students in 2024/25, see **Appendix** of the Annual Report.
- Continued to offer training through PSI Start and PSI Bridge undergraduate programs, designed to support a diverse group of students to prepare for graduate education in physics. Offered 10-week PSI Start online learning to 31 students from 13 countries, from which 11 PSI Start interns from nine countries came to Perimeter for in-person learning. Hosted one cohort of PSI Bridge students, a total of eight students from six countries.[2] For details of the PSI Start and PSI Bridge programs, see **Perimeter Scholars International** section of the Annual Report.
- Hosted five Career Trajectories initiatives for students and postdocs, with a total of around 79 participants, including academic and industry talks, panel discussions, seminars, workshops, and networking opportunities. Also offered one-on-one academic and career counselling and resume writing sessions, including a workshop for postdoc and faculty applications. For more information, refer to **Career Trajectories** section of the Annual Report.

[2] Note that due to the dates of the PSI Bridge program in relation to fiscal years, 8 students were active in both the 2023/24 and 2024/25 reporting periods.

Objective 6

Share the transformative power of theoretical physics across Canada and around the world, inspiring a new generation of scientific explorers through high-impact educational outreach, while engaging the general public with the wonder and excitement of basic physics research.

Summary of achievements

- EinsteinPlus is typically held in July every year, which falls outside of the truncated fiscal year for 2024/25; details of the 2025 event will be available on PI's website and in the 2025/26 Annual Report.
- Hosted the "Inspiring Future Women in Science" event, giving 153 students a chance to hear from and ask questions of four women in various STEM fields at different career stages. For details, refer to **Outreach Highlights** section of the Annual Report.
- Facilitated 21 *GoPhysics!* and Physica Phantastica student workshops for 548 students across Canada. For details, refer to **Educational Outreach** section of the Annual Report.
- Attracted almost 333,000 unique visitors and over 850,000 views to Perimeter's website.[3]
- Shared the Institute's research and outreach programs, with more than 5.6 million YouTube video views in 2024/25 alone – reaching a total of more than 28.6 million views since inception. Continued growth across all social media channels, with 51 percent growth in the Institute's followers on social media. For details, refer to **Science Communication and Media** section of the Annual Report.
- Hosted four public lectures attended in person by more than 800 local attendees and four other public events to 5,092 attendees to keep the public informed about the exciting science happening around them. For details on the public lectures hosted in the 2024/25 year, refer to **Science Communication and Media** section of the Annual Report.

[3] The Perimeter Institute and Inside the Perimeter sites were merged in late January 2025. Data provided is the sum of activity for both web pages August 2024 to January 2025, plus activity for the new single web page from date of merging to March 2025.

Objective 7

Advance equity, diversity, and inclusion at Perimeter to address imbalances by ensuring all research, training, and outreach activities are barrier-free and support people from historically excluded groups.

Summary of achievements

- Continued multiple Emmy Noether Initiatives aimed at attracting and supporting women in science. Details of the Emmy Noether Initiatives can be found in the **Emmy Noether Initiatives** section of the Annual Report.
- Supported initiatives and community educational events led by members of the Inclusive PI Platform, including three colloquia during the academic year around EDI topics, open to all PI residents, and Journal Clubs with regular meetings to discuss many themes. Details of the Inclusive PI platform, refer to **Perimeter's Commitment to a Brighter Future** section of the Annual Report.
- Continued translation of educational outreach resources into multiple languages: 23 in Portuguese, and 22 in Spanish. Most of Perimeter's 118 in-class resources are available in both English and French. For details, refer to **Educational Outreach** section of the Annual Report.
- Offered teacher training to remote, rural, Indigenous, and underserved communities, including *GoPhysics!* workshops to remote students in Yellowknife (Northwest Territories) and underserved youth in Halifax (Nova Scotia) in collaboration with Inclusion in Science and Engineering. Perimeter began a collaboration with *Connected North*, an organization that provides live, interactive virtual learning experiences and access to educational resources for students and teachers in remote communities, supporting them where they live.
- Perimeter Institute integrated third-party data collection platform Diversio, which provides the capability of collecting demographic data as well as inclusion surveys to better understand the employee experience. For details, refer to **Perimeter's Commitment to a Brighter Future** section of the Annual Report.
- In the process of developing Conflict Management Guidelines and Whistleblowing Policy as well as a Social Media Policy and revising Conflict of Interest Policy to continuously maintain a respectful work environment.

Objective 8

Demonstrate excellent return on investment by continuing to strengthen Perimeter's partnerships with the public and private sectors, securing sustained funding from government partners, and expanding the Institute's private sector support base.

Summary of achievements

- For details about government support and Perimeter's public-private partnerships, refer to **Advancing Perimeter's Mission** section of the Annual Report, which includes information on founding donors, those who have made cumulative gifts of more than $100,000 since 2014, and the membership list of the Perimeter Institute Leadership Council.
- Continued to attract private sector support for the Perimeter Research Chairs from a variety of corporations and foundations (see **Advancing Perimeter's Mission** section of the Annual Report).
- Continued to attract support for the Emmy Noether Initiatives, which support women and girls in physics, through the Emmy Noether Council, the Emmy Noether Circle, and the Simons Foundation. For a list of Emmy Noether Council members, see **Advancing Perimeter's Mission** section of the Annual Report; for a list of Emmy Noether Circle donors, see **Thanks to Our Supporters** section of the Annual Report.
- Continued to attract private sector support for training and outreach programs, ensuring that economic factors are not a barrier to entry. These supporters include the Cotton Family Charitable Foundation, Cowan, the Peter and Shelagh Godsoe Family Foundation, Linamar Corporation, the Marsland Family, Toyota Motor Manufacturing Canada (TMMC), and Woodbridge Foam Corporation.
- For a full list of public and private supporters, refer to **Thanks to Our Supporters** section of the Annual Report.

Governance

For Perimeter's governance structure, including all members of the Board of Directors, the Scientific Advisory Committee, and the senior leadership team, refer to the **Governance** section of the Annual Report.

Biographies of Board members and information about the Scientific Advisory Committee members can be found at ***perimeterinstitute.ca/people***

Performance evaluation strategy

Perimeter Institute uses an array of performance monitoring and evaluation policies, systems, and processes (both internal and external) that are re-evaluated and updated on a regular basis. These mechanisms to measure outcomes, results, and impact include:

Performance monitoring – internal

- Annual reports on research activity submitted to the Institute's Executive Director by all faculty and associate faculty members for evaluation
- Annual performance reviews of all staff
- Ongoing monitoring of publication and citation records
- Post-conference reports and evaluations
- Visitor research activity reports and ongoing tracking of all output (e.g., publications, patents, books, software packages)
- Regular updates and monitoring of progress of all scientific programs
- Mid-term performance reviews for junior faculty and junior associate faculty
- Postdoctoral researcher mentorship program
- Monitoring of postdoctoral researchers' post-Perimeter placement success
- Monitoring of researchers' international presence and impact through collaborations and invitations to lecture
- Internal review and evaluation of PSI and PhD students and of all outreach programs and products

Performance monitoring – external

- Regular reporting to the international Scientific Advisory Committee, with subsequent performance assessment and recommendations
- Review of tenured faculty hires and promotions by the Scientific Advisory Committee
- Peer review of publications
- Annual audit of financial statements by an independent auditor
- Other performance audits and reviews in accordance with grant agreements
- External review and evaluation of all outreach programs and products

Overview of financial statements, expenditures, and investment strategy

For a summary of Perimeter's operating costs and details about its income, financial position, and long-term plan, refer to the **Finance** section of the Annual Report. For the Institute's audited financial statements and the report of the auditor on the audited financial statements, refer to the **Financial Audit Statements** section of the Annual Report.

A look ahead: Statement of objectives for 2025/26

Perimeter Institute is on track to achieve its foremost long-term goals: to create and sustain the world's leading centre for foundational theoretical physics research, to make discoveries that will change the world, to train the next generation of scientific innovators, and to provide trusted science outreach to students, teachers, and the public. Perimeter has established a set of strategic objectives to guide its continued growth and development, creating an optimal and inclusive research, training, and working environment. The Institute's core mission will continue to inform every facet of its research, training, and outreach efforts, supported by a sustainable funding model.

The 2025/26 Corporate Plan sets out the Institute's objectives and provides overarching guidance for the coming year of Perimeter's government funding agreements.

Objective 1: **Advance "moonshot research" across a strategic portfolio of research programs and initiatives**, aiming for breakthroughs that will transform our understanding of the universe and lead to technological and economic benefits for Canadians.

Objective 2: **Create the world's strongest community of theoretical physics researchers** by attracting and retaining top talents and providing them with an environment that maximizes productivity.

Objective 3: **Strengthen Canada's research capacity** by bolstering connections and partnerships across the country and supporting frontier research and training.

Objective 4: **Position Ontario and Canada as a global leader in fundamental physics** through strategic international partnerships, high-impact scientific events, and research collaborations.

Objective 5: **Train exceptional graduate students and postdoctoral researchers** with widely applicable skills that fuel the knowledge economy.

Objective 6: **Share the transformative power of theoretical physics across Canada,** inspiring a new generation of scientific explorers through high-impact outreach to teachers, students, and the Canadian public.

Objective 7: **Advance equity, diversity, and inclusion at Perimeter and beyond** through integrated programs and practices that bring new talent and perspectives into Canada's STEM pipeline.

Objective 8: **Demonstrate excellent return on investment,** leveraging provincial and federal funding to secure funding from private sources.

Appendix

Visiting Fellows, 2024/25

Ivan Agullo, Louisiana State University
Stephon Alexander, Brown University
Haipeng An, Tsinghua University
Federico Ardila, San Francisco State University
Jonathan Barrett, University of Oxford
Asher Berlin, Fermi National Accelerator Laboratory (Fermilab)
Laura Bernard, Laboratoire Univers et Théories (LUTH)
Celine Boehm, University of Sydney
Ana Bonaca, Carnegie Observatories
Beatrice Bonga, Radboud Universiteit Nijmegen
Latham Boyle, University of Edinburgh
Joseph Bramante, Queen's University
Ruth Britto, Trinity College Dublin
Miguel Campiglia, Universidad de la República
Simon Caron-Huot, McGill University
Juan Felipe Carrasquilla Álvarez, ETH Zurich
Katerina Chatziioannou, California Institute of Technology
Giulio Chiribella, University of Hong Kong
Gil Young Cho, Pohang University of Science and Technology
David Curtin, University of Toronto
Stefanie Czischek, University of Ottawa
Liang Dai, University of California, Berkeley
Gemma De les Coves, Universität Innsbruck
Claudia de Rham, Imperial College London
Lidia del Rio, University of Zurich
Fay Dowker, Imperial College London
Astrid Eichhorn, Universität Heidelberg
Netta Engelhardt, Massachusetts Institute of Technology
Rouven Essig, Stony Brook University
Isabel Garcia Garcia, University of Washington
Jerome Gauntlett, Imperial College London
Ruth Gregory, King's College London
Tarun Grover, University of California, San Diego
Giulia Gubitosi, University of Naples Federico II
Hal Haggard, Bard College
Gilbert Holder, University of Illinois Urbana-Champaign
Daniel Holz, Kavli Institute, University of Chicago
Anson Hook, University of Maryland

Clifford Johnson, University of California, Santa Barbara
Isaac Kim, University of California, Davis
Heeyeon Kim, Korea Advanced Institute of Science and Technology
David Kubiznak, Charles University
Andreas Lauchli, Paul Scherrer Institute
Matthew Leifer, Chapman University
Rob Leigh, University of Illinois Urbana-Champaign
Si Li, Tsinghua University
Zi-Wen Liu, Tsinghua University
Etera Livine, French National Centre for Scientific Research
Han Ma, Stony Brook University
Brian Metzger, Columbia University
Markus Müller, Institute for Quantum Optics and Quantum Information
Natalie Paquette, University of Washington
Alejandro Perez, Centre de Physique Théorique
David Perez-Garcia, Complutense University of Madrid
Laurence Perreault-Levasseur, Université de Montréal
Andrea Puhm, University of Amsterdam
Jocelyn Read, California State University, Fullerton
Katarzyna Rejzner, University of York
Rachel Rosen, Carnegie Mellon University
Farzin Salek, Technical University of Munich
Sakura Schafer-Nameki, University of Oxford
Philip Schuster, SLAC National Accelerator Laboratory
Neelima Sehgal, Stony Brook University
Phiala Shanahan, Massachusetts Institute of Technology
Sarah Shandera, Pennsylvania State University
Brian Shuve, Harvey Mudd College
Daniel Siegel, University of Greifswald
Urbasi Sinha, Raman Research Institute
Aninda Sinha, University of Calgary
Simone Speziale, Centre de Physique Théorique
Andrew Tolley, Imperial College London
Natalia Toro, SLAC National Accelerator Laboratory
Michael Trott, Perimeter Institute for Theoretical Physics
Ken Van Tilburg, New York University
Michael Vasmer, Inria Paris Centre
Thomas Vidick, Weizmann Institute of Science
Aaron Vincent, Queen's University
Aron Wall, University of Cambridge
Yidun Wan, Fudan University
Chenjie Wang, University of Hong Kong

Huan Yang, Tsinghua University