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ACADEMIC APPOINTMENTS

- **12/2018 - present, Chair of Experimental Particle Physics**
Department of Physics, University of Liverpool
- 06/2014 - 12/2018, Reader (Associate Professor)
Department of Physics, University of Liverpool
- **02/2007 - present, Staff Scientist**
Particle Physics Department, Rutherford Appleton Laboratory, Science & Technology Facilities Council
- 06/2003 - 01/2007, Post-Doctoral Research Associate
Particle Physics Department, Rutherford Appleton Laboratory, Science & Technology Facilities Council
- 09/1996 - 06/2003, Graduate Research Assistant
Physics Department, National and Kapodistrian University of Athens

EDUCATION

- 03/1999 - 06/2003, **PhD** (Physics)
National and Kapodistrian University of Athens
Thesis: ‘*Experimental Study of the Phenomenon of Neutrino Oscillations with the MINOS Experiment*’,
UA/PHYS/HEP/02-06-2003; FERMILAB-THESIS-2003-39 (in Greek). Advisor: Prof. George Tzanakos
- 09/1996 - 11/1998, **MSc** (Nuclear and Particle Physics)
National and Kapodistrian University of Athens
Thesis: ‘*Calibration of a Prototype Electromagnetic Calorimeter for the COSMOS $\nu_\mu \leftrightarrow \nu_\tau$ Neutrino Oscillation Experiment*’, UA/PHYS/HEP/13-11-1998 (in Greek). Advisor: Prof. George Tzanakos
- 09/1992 - 09/1996, **BSc** (Physics)
National and Kapodistrian University of Athens

LEADERSHIP

- 2021-present, Liverpool SBN and SBND PI.
- 2020-present, Member of the SBND Executive Committee.
- 2018-present, SBN Systematics and Oscillation Sensitivities WG Co-Coordinator.
- 2017-present, SBND Physics and Analysis Tool Co-Coordinator.
- 2015-2017, DUNE Near Detector Evaluation WG Coordinator.
- 2014-2019, DUNE-UK WP.1 (Physics Simulation and Experiment Design) Coordinator.
- 2014-2015, Member of the T2K Analysis Steering Group.
- 2010-present, Coordinator of the VALOR Fitting Group.
- 2014-present, co-Spokesperson of the GENIE Collaboration.
- 2014-present, Member of the GENIE Executive Board.
- 2014-present, GENIE Tuning and Systematics WG Coordinator.
- 2006-2010, MINOS Physics Simulation WG Co-Coordinator.

PROFESSIONAL SERVICE

Project

- 2013 - 2021, Budget holder for T2K-UK STFC project.

Departmental

- 2019 - present, Particle Physics Seminar Series co-Organizer, Physics Dept., University of Liverpool.
- 2018 - present, Equality and Diversity Deputy Director, Physics Dept., University of Liverpool.
- 2014 - 2017, Member of the Departmental Research Excellence Framework (REF) Coordination Committee, Physics Dept., University of Liverpool.

PhD examinations

- 2021, Internal PhD examiner for Alex Byrnes, University of Liverpool.
- 2019, External PhD examiner for Colton Hill, University of Manchester.
- 2019, Internal PhD examiner for James Hunt, University of Liverpool.
- 2016, Examination panel member for first-year PhD students, University of Liverpool.
- 2015, Internal PhD examiner for Thomas Stainer, University of Liverpool.

Reviewing and editorial roles

- Referee for Europhysics Letters, European Physical Journal Plus, Advances in High Energy Physics, Nuclear Instruments & Methods in Physics Research A, Particle Data Group.
- 2018, Proposal Reviewer, Research Foundation - Flanders, Belgium.
- 2014 - present, Proposal Reviewer, National Science Center, Poland.
- 2020 - present, Reviewer, STFC Ernest Rutherford Fellowship.

Conference and school organization

- 2016, Member of the Scientific Organizing Committee, PHYSTAT- ν workshop, Fermilab, September 19-21.
- 2016, Chair, International Workshop on Global Fits to Neutrino Scattering Data and Generator Tuning (NuTune2016), Liverpool, July 11-15.
- 2015, Member of the Organizing Committee, NuSTEC Training in Neutrino Nucleus Scattering Physics, Okayama University, November 8-14.

- 2014, Member of the Organizing Committee, NuSTEC Training in Neutrino Nucleus Scattering Physics, Fermilab, October 16-27.
- 2014, Member of the Scientific Programme Committee, NuINT14 workshop, London, May 19-24 (co-Organized ‘Neutrino Interaction Systematics for Oscillation Experiments’ session).
- 2014, Co-Chair of the Organizing Committee, NuSTEC MC Generator School, Liverpool, May 14-16.

Mentoring

- 2015 - present, Academic advisor for over 20 undergraduate students at the University of Liverpool.

Other

- 2018 - present, SBND Speakers Committee (Member, 2018-2019; Chair, 2019-present).

AWARDS AND PRIZES

- 2016-17, 2015, 2009, Institute of Particle Physics Phenomenology (Durham Univ.) Associateship awards.
- 2016, Breakthrough Prize (shared - Daya Bay, KamLAND, SNO, T2K, K2K and SuperK Collaborations).
- 2011, Le Prix La Recherche award (shared - T2K Collaboration).
- 1999 - 2002, Greek National Scholarship Foundation (IKY) award.

RESEARCH INCOME

Research funding in the UK is centralized. My current research is funded predominantly by the Science and Technology Facilities Council (STFC) through a) research grants awarded to the T2K-UK, SBND-UK and DUNE-UK projects, b) a *Consolidated Grant* awarded to the Liverpool Particle Physics group, and c) support for in-house particle physics research programme at STFC’s national laboratories and, in particular, at the Particle Physics Department of the Rutherford Appleton Laboratory.

Recent awards:

- 2019, Liverpool Particle Physics Consolidated Grant (Total award £6.9M), Co-Investigator.
- 2018, European Space Agency, Positrino: Positioning, Navigation and Timing using Neutrinos, Proposal in response to ESA AO/1-9535/18/NL/MP in collaboration with GMV Innovating Solutions Ltd. (Total award €200k, €82k at Liverpool), Liverpool PI.
- 2017, DUNE-UK project: Pre-construction proposal (Total award £4.0M, £300k at Liverpool), WP1 Coordinator and Liverpool Co-Investigator.
- 2017, Liverpool Centre for Doctoral Training on Data Intensive Sciences, PhD project supervisor [Physics Simulations to Underpin Discoveries in the Neutrino Sector].
- 2015, Liverpool Particle Physics Consolidated Grant (Total award £6.8M), Co-Investigator.
- 2014, LBNE and the Fermilab LAr Detector Programme: (Total award £2.5M, £160k at Liverpool), WP1 Coordinator.

POST-DOC SUPERVISION

- 2019 - 2021, Dr. Christopher Barry (Liverpool).
- 2016 - present, Dr. Marco Roda (Liverpool).

Roda’s positions of responsibility:

- 2018 - present: SBN Neutrino MC Generators WG co-Coordinator.
- 2016 - 2019, Dr. Steve Dennis (Liverpool).

Dennis’s positions of responsibility:

- 2017 - 2019: DUNE-UK WP1.1 - Near Detector Constraints and Oscillation Sensitivity Coordinator.

STUDENT SUPERVISION

Postgraduate research

- 2021 - present, Supervising Ms. Bethany Slater, University of Liverpool, PhD candidate.
Thesis (tentative): '*Sterile neutrino search at the Fermilab Short Baseline Neutrino Program*'.
- 2019 - present, Supervising Mr. Jaiden Parlone, University of Liverpool, PhD candidate.
Thesis (tentative): '*Three-Flavour Neutrino and Antineutrino Oscillation Measurements at the T2K Experiment*'.
- 2018 - present, Supervising Mr. Thomas Frank Ham, University of Liverpool, PhD candidate.
Thesis (tentative): '*Electron shower energy reconstruction in Liquid Argon Time Projection Chambers and Electron Neutrino Appearance and Disappearance Studies the Fermilab Short Baseline Neutrino Program*'.
- 2017 - present, Supervising Ms. Julia Tena Vidal, University of Liverpool, PhD candidate.
Thesis (tentative): '*Global analysis of neutrino scattering data for the characterization and tuning of the GENIE cross-section, neutrino-induced hadronization, and intranuclear rescattering models*'.
Recipient of the 2018 Leo Carrol (Liverpool HEP) award for outstanding post-graduate research.
- 2017 - present, Supervising Mr. Jaggar Henzerling, University of Liverpool, PhD candidate.
Thesis (tentative): '*Application of Machine Learning to Neutrino Event Reconstruction in the Short-Baseline Near Detector (SBND) Liquid Argon Time Projection Chamber and to Papillary Thyroid Cancer Diagnosis*'.
- 2016 - 2021, Supervised Dr. Francis Bench, University of Liverpool, PhD 2021.
Thesis: '*Study of Neutrino and Antineutrino Oscillations in the Three-Flavour PMNS Paradigm at the T2K Experiment: Determination of the CP-Violating Phase and the Search for $\bar{\nu}_\mu \rightarrow \bar{\nu}_e$ Oscillations*'.
Recipient of the 2019 John G. Rutherglen memorial prize.
- 2016 - 2021, Co-supervised¹ Dr. Rhiannon Jones, University of Liverpool, PhD 2021.
Thesis: '*Muon Neutrino Disappearance with Multiple Liquid Argon Time Projection Chambers in the Fermilab Booster Neutrino Beam*'.
Present position: Post-Doctoral Research Associate at the University of Sheffield.
- 2014 - 2018, Supervised Dr. Christopher Barry, Univ. of Liverpool, PhD 2018.
Thesis: '*Joint Analysis of Neutrino and Antineutrino Data from the T2K Experiment and Indications for Charge-Parity (CP) Violation*', T2K-THESIS-108.
- 2011 - 2015, Co-supervised² Dr. Steve Dennis, RAL & University of Warwick, PhD 2015.
Thesis: '*Muon-Antineutrino Disappearance and Non-Standard Interactions at the T2K Experiment*', T2K-THESIS-069.
Present position: Post-Doctoral Research Associate at the University of Cambridge.
- 2011 - 2014, Co-supervised³ Dr. Lorena Escudero Sanchez, CSIC and University of Valencia, PhD 2014.
Thesis: '*Joint Analysis of Three Flavour Neutrino Oscillations Combining the Electron-Neutrino Appearance and Muon-Neutrino Disappearance Channels in the T2K Experiment*', T2K-THESIS-070.
Recipient of the IFIC outstanding PhD thesis award.
Present position: Post-Doctoral Research Associate at the University of Cambridge and Fellow of the Turing Institute.
- 2010 - 2014, Co-supervised⁴ Dr. Thomas Dealtry, RAL & University of Oxford, PhD 2014.
Thesis: '*Muon-Neutrino Disappearance with the T2K Beam*', T2K-THESIS-057.
Present position: Post-Doctoral Research Associate at Lancaster University.
- 2008 - 2011, Co-supervised⁵ Dr. James Dobson, Imperial College London, PhD 2012.
Thesis: '*Neutrino-Induced Charged-Current π^+ Production at the T2K Near Detector*', T2K-THESIS-019
Present position: STFC Ernest Rutherford fellow at Imperial College London.

Undergraduate research

- 2019 - 2020, Mr. Jack Wells, University of Liverpool, MPhys Project.
Thesis: '*Deep Learning Applications in Neutrino Physics*'.
- 2019 - 2020, Mr. Alex Barat, University of Liverpool, BSc Project.
Thesis: '*Investigation into the Possibility of Submarine Neutrino Communication*'.

¹With Prof. Christos Touramanis, University of Liverpool.²With Prof. Gary Barker and Prof. Steve Boyd, University of Warwick.³With Dr. Anselmo Cervera, IFIC.⁴With Prof. Alfons Weber, RAL & University of Oxford.⁵With Prof. Yoshi Uchida, Imperial College London.

- 2017 - 2018, Mr. Reece Shaw, University of Liverpool, MPHYS Project.
Thesis: *'Deep Learning Techniques for Neutrino Event Reconstruction and Identification in SBND'*.
- 2017 - 2018, Mr. Josh Warren, University of Liverpool, MPHYS Project.
Thesis: *'Deep Learning Techniques for Neutrino Event Reconstruction and Identification in SBND'*.
- 2016 - 2017, Mr. Jake Jackson, University of Liverpool, MPHYS Project.
Thesis: *'Sensitivity of Sterile Neutrino Searches at the Fermilab Short Baseline Neutrino Programme'*.
- 2016 - 2017, Mr. Jack Ringwood, University of Liverpool, MPHYS Project.
Thesis: *'Effects of Neutrino Interaction Uncertainties in Accelerator-Based Searches for Neutrino CPV'*.
- 2016 - 2017, Mr. Jonathan Stott, University of Liverpool, MPHYS Project.
Thesis: *'Effects of Neutrino Interaction Uncertainties in Accelerator-Based Sterile Neutrino Searches'*.
- 2016 - 2017, Mr. James Taylor, University of Liverpool, MPHYS Project.
Thesis: *'Statistical Issues in Precision Oscillation Measurements in Accelerator-Based Experiments'*.

TEACHING

Higher Education teaching qualifications

- Fellow of the Higher Education Academy (FHEA). Skills, competences and professional practices were successfully benchmarked against the criteria (Descriptor 2) of the UK Professional Standards Framework (UKPSF) for teaching and support of learning in Higher Education.

Undergraduate teaching experience

- 2014-present, Module organiser and lecturer, PHYS 201 (Electromagnetism).
- 2015-20, Tutor, PHYS 480 (Advanced Quantum Physics).
- 2017-present, Tutor, PHYS 370 (Advanced Electromagnetism).
- 2016-present, Project supervisor, PHYS 498 (MPHYS Project) and PHYS 379 (BSc Project).
- 2014-present, Moderator and/or monitor for several modules.

Postgraduate research supervision experience

- 2008-present, Supervised 12 PhD theses (5 in progress, 7 completed). Please see above for details.

Postgraduate teaching experience

- 2019-present, Delivered postgraduate lectures in Neutrino Physics at the University of Liverpool.
- 2017, Lecturer (Simulation of Neutrino Interaction Physics), MCnet Summer School, Lund, Sweden.
- 2014, Tutor, UK High Energy Physics Summer School, University of Warwick.
- 2014, Lecturer, NuSTEC Neutrino Generator School, Liverpool.
- 2013, Tutor, UK High Energy Physics Summer School, University of Warwick.
- 2012, Tutor, UK High Energy Physics Summer School, Sommerville College, Oxford.
- 2009, Lecturer, 45th Karpacz Winter School in Theoretical Physics, Ladek-Zdroj, Poland.
- 2009, Lecturer, GENIE course, Fermilab.
- 2008, Lecturer, GENIE course, TRIUMF.
- 2007, Lecturer, GENIE course, Rutherford Appleton Lab.

PROFESSIONAL AFFILIATIONS

- 2018 - present, Fellow of the Higher Education Academy.
- 2010 - present, Member of Institute Of Physics (IOP).
- 2000 - present, Member of Hellenic Society for the Study of High Energy Physics (EESFYE).

RESEARCH COLLABORATION / GROUP MEMBERSHIPS

- 2014-present, DUNE (<http://www.dunescience.org>)
- 2014-present, SBND (<http://sbn-nd.fnal.gov>)
- 2007-present, T2K (<http://t2k-experiment.org>)
- 2010-present, VALOR [**founder and coordinator**] (<https://valor.pp.rl.ac.uk>)
- 2002-present, GENIE [**founder and co-spokesperson**] (<http://www.genie-mc.org>)
- 1999-2010, MINOS
- 1997-2003, DONUT
- 1997-1998, COSMOS

RESEARCH HIGHLIGHTS

Main contributions to neutrino interaction phenomenology

- Founder and co-spokesperson of the international GENIE collaboration.
- Lead co-author of the GENIE framework, experimental interfaces and analysis-related tools, as well as of the GENIE neutrino, charged lepton and BSM event generator physics modules. Main author of Nucl.Instrum.Meth. A614 (2010) 87-104, with over 880 citations. Contributed to novel phenomenological work, including the Andreopoulos-Gallagher-Kehayias-Yang (AGKY) neutrino-induced hadronization model published in Eur.Phys.J. C63 (2009) 1-10.
- As GENIE Systematics and Tuning coordinator (2014-present), I oversaw the development of an advanced analysis of neutrino scattering data and consolidated the dual role I envisioned for GENIE: an event generator group responsible for a leading open-source simulation, and a global fitting group focussing on the construction, characterization and tuning of state-of-the-art proprietary comprehensive interaction models published through its generator platform. I co-authored the first publications produced using the GENIE global analysis, including a cross-section model construction and tune in the resonance transition region published in arXiv:2104.09179 [hep-ph] (accepted for publication by Phys. Rev. D) [*Tena-Vidal PhD*] and a neutrino-induced hadronization model tune published in arXiv:2106.05884 [hep-ph] (submitted to Phys. Rev. D) [*Tena-Vidal PhD*].
- Organised the GENIE Incubator, through which GENIE provides an open platform and central coordination of community-wide generator development efforts, with over a hundred of contributors over the past few years.

Main contributions to the SBND Experiment and to the overall SBN project

- Member of the SBND Executive Board (2020-present)
- SBN Oscillation Sensitivity and Systematics WG co-Coordinator (2018-present).
- SBND Physics co-Coordinator (2017-present).
- Development of ν_μ CC0 π event selection on SBND based on automated event reconstruction [*Jones PhD*].
- Development of VALOR-based ν_μ disappearance analysis [*Jones PhD*].
- Development of VALOR-based ν_e (dis)appearance analyses [*Ham PhD*].
- Development of Deep Learning methods for cosmic background rejection and neutrino event characterization [*Henzerling PhD*].
- Chair of the Editorial Board for SBND paper on Cosmic Background Removal with Deep Neural Networks in SBND published in Frontiers in Artificial Intelligence, Vol 4 (2021), 42.
- Leading the development of the default SBN neutrino interaction physics simulation (GENIE).

Main contributions to the DUNE Experiment

- DUNE Near Detector Evaluation WG Coordinator (2015-2017).
- DUNE-UK WP.1 (Physics) co-Coordinator (2014-2019) in the period leading up to the publication of the DUNE Physics TDR and CD-2 approval.

- Led the development of an advanced VALOR-based joint 3-flavour oscillation and systematics constraint fit. This produced the first DUNE sensitivities incorporating simulated data from both Near and Far detectors, and informed the DUNE Near Detector task force report (2015).
- Leading the development of the default DUNE neutrino interaction physics simulation (GENIE).

Main contributions to the T2K Experiment

- Chair of the review committee of the first T2K Near detector ν_e disappearance (sterile) analysis (2013).
- Member of the ν_μ disappearance contour (statistics) committee (2011).
- Member of the paper committee for the first T2K Near detector ν_e disappearance paper (2014) published in Phys.Rev. D91 (2015) 051102.
- Member of the paper committee for the first T2K ν_μ disappearance paper (2011) published in PRD 85:031103 (2012).
- Both through personal analysis efforts and coordination of the VALOR fitting group, I delivered many official T2K oscillation analysis results:
 - Performed ν_μ -disappearance analyses of the T2K Run 1, Run 1-2, Run 1-3 and Run 1-4 [*Dealtry PhD*] datasets. The Run 1-2 result, published in PRD 85:031103 (2012), is the first ever published study of ν_μ -disappearance in an off-axis experiment. The subsequent results published in PRL 111:211803 (2013) and PRL 112:181801 (2014) were, at the time of publication, the world's most stringent constraint on the ν_μ -disappearance parameters.
 - Performed the first T2K full 3-flavour oscillation analysis by combining the ν_μ -disappearance and ν_e -appearance analyses and performing a simultaneous measurement of Δm_{32}^2 , θ_{23} , θ_{13} and δ_{CP} . Full 3-flavour oscillation analyses were performed with the Run 1-3 and Run 1-4 datasets [*Escudero PhD*]. Our Run 1-4 results were published in PRD 91:072010 (2015).
 - Performed the first T2K $\bar{\nu}_\mu$ -disappearance analysis with Run 5-6 data [*Dennis PhD*]. This result was published in PRL 116:181801 (2016).
 - Performed a 3-flavour oscillation analysis combining all neutrino and antineutrino event samples with Run 1-8 data [*Barry PhD*]. This work, published in Phys.Rev. D96 (2017) no.9, 092006 and Phys. Rev. Lett. 121, 171802 (2018), produced first hints for leptonic CP violation.
 - Performed the first T2K $\bar{\nu}_e$ -appearance analysis with Run 1-9 data [*Bench PhD*], published in Phys. Rev. Lett. 124, 161802 (2020).
 - Performed the 3-flavour oscillation analysis combining all neutrino and antineutrino event samples with Run 1-9 data [*Bench PhD*], published in Nature 580, 3390344 (2020) and Phys. Rev. D 103, 112008 (2021), as well as as statistics update with Run 1-10 data [*Bench PhD*]. These analyses produced the first strong indication for leptonic CP violation.
- Measured the rate of charged-current π^+ production in the T2K off-axis near detector [*Dobson PhD*].
- Developed event generation applications integrating the GENIE simulation engine with the JPARC neutrino beam-line simulations and T2K detector geometry descriptions.
- Developed methods for propagating neutrino interaction physics uncertainties in T2K physics analyses.
- Designed, prototyped, developed and commissioned the light-injection DAQ control software for the T2K off-axis near detector electromagnetic calorimeters.

Main contributions to the MINOS Experiment

- Physics Simulations Working Group co-convener (2006 - 2010): Made major intellectual contributions on the physics model and uncertainty evaluations used for all published MINOS results.
- Assembly and commissioning of Fully-Automated Stations (at Athens and UTA) for the Hamamatsu M16 multi-anode photo-multipliers (PMTs) used at the MINOS Far detector. Was responsible for the operation of the Athens Station and the full characterization of the PMTs tested there. Between November 2001 and December 2002, I tested and characterized almost half of all Far detector PMTs.
- Commissioning and data-taking operations of the MINOS 4 Plane Prototype (4PP), the first full integration of all MINOS Far detector sub-systems at Fermilab (June - August 2000). Developed all offline software, analyzed the cosmic-ray and light-injection data, calibrated the prototype detector and characterized the prototype performance.
- Assembly and commissioning of the MINOS far detector in Soudan mine (September - December 2002).

Main contributions to the DONUT Experiment

- Participation in the data-taking operations (July - October 1997).
- Calibration of the electromagnetic calorimeter.

Main contributions to the COSMOS Experiment

- Exposure of a prototype electromagnetic calorimeter at a Fermilab test-beam (July - October 1997).
- Calibration of a prototype electromagnetic calorimeter.

PRESENTATIONS AT WORKSHOPS, CONFERENCES, SEMINARS

International Physics Workshops, Symposia and Conferences

- ‘Systematics: The Neutrino Experiment Experience’ (Invited talk), PHYSTAT- ν 2019, 22-25 January 2019, CERN.
- ‘GENIE Status and Prospects’ (Invited talk), H2020 Oscillation Physics Workshop, 28-29 November 2018, Valencia, Spain.
- ‘The AGKY Hadronization Model’ (Invited talk), NuSTEC Workshop on Shallow- and Deep-Inelastic Scattering, 11-13 October 2018, Gran Sasso Science Institute (GSSI), L’Aquila, Italy.
- ‘Simulations of Neutrino Interaction Physics’, MCnet Monte Carlo School, 2-7 July 2017, Lund, Sweden
- ‘The Short-Baseline Neutrino Detector (SBND)’ (Invited talk), 11th International Workshop on Neutrino-Nucleus Interactions (NuINT17), 25-30 June 2017, Toronto, Canada.
- ‘Neutrino-Nucleus Interaction Cross-Sections’ (Invited talk), Conference on Science at the Sanford Underground Research Facility (CoSSURF) 2017, 12-16 May 2017, Rapid City, SD, USA.
- ‘The VALOR Oscillation Analysis in T2K/HK, DUNE and SBN’ (Invited talk), Topical Meeting on Neutrino-Nucleus Scattering, 18-20 April 2017, Durham, UK.
- ‘Neutrino-Nucleus Interaction Measurements at the few-GeV Energy Scale: Relevance, Present Status and Future Prospects’ (Invited Talk), 25th International Workshop on Deep Inelastic Scattering and Related Topics (DIS17), 3-7 April 2017, Birmingham, UK
- ‘High-Pressure Gaseous Argon Time Projection Chamber (HPGARTPC) Near Detector (ND) Concept: Evaluation of Systematic Constraints and Impact on Charge-Parity (CP) Symmetry Violation Sensitivity’, 2nd Workshop on Neutrino Near Detectors based on gas TPC, 20-21 March 2017, CERN.
- ‘GENIE Status and Prospects’ (Invited talk), International Workshop on Frontiers in Electroweak Interactions of Leptons and Hadrons (EILH16), 2-6 November 2016, Aligarh, India.
- ‘GENIE Update’ (Invited talk), 10th International Workshop on Neutrino-Nucleus Interactions (NuINT15), 16-21 November 2015, Osaka, Japan.
- ‘Experimental Neutrino Physics’ (Invited lecture), CORFU14 Summer School and Workshop on the Standard Model and Beyond, 3-14 September 2014, Mon-Repos, Corfu, Greece.
- ‘LBNE Flux and Cross-Section Systematic Constraints for 3-Flavour Oscillation Sensitivity Simulation’, CETUP*14, 10-31 July 2014, Lead, SD, USA.
- ‘GENIE Update’ (Invited talk), 9th International Workshop on Neutrino-Nucleus Interactions (NuINT14), 19-24 May 2014, London, UK.
- ‘T2K Status and Prospects’ (Invited talk), International Committee for Future Accelerators (ICFA) - European Neutrino Town Meeting, 8-10 January 2014, Paris Diderot University, France.
- ‘Electron scattering data and its use in constraining neutrino models’ (Invited review talk), 6th International Workshop on Neutrino-Nucleus Interactions (NuINT09), 18-22 May 2009, Sitges, Spain.
- ‘The path forward: Monte Carlo convergence’ (Invited talk), 6th International Workshop on Neutrino-Nucleus Interactions (NuINT09), 18-22 May 2009, Sitges, Spain.
- ‘The GENIE Universal Neutrino MC Generator’, 45th Karpacz Winter School in Theoretical Physics (Neutrino interactions: from theory to MC simulations), 2-11 February, 2009, Łądek-Zdrój, Poland.

- ‘Recent Results from the MINOS Experiment’ (Invited talk), International Nuclear Physics Conference 2007 (INPC-2007), 3-8 June 2007, Tokyo, Japan.
- ‘Recent Results from the MINOS Experiment’ (Invited talk), International Workshop on Double Beta Decay & Neutrinos (DBD-2007), 11-13 June 2007, Osaka, Japan.
- ‘Overview of Progress in Neutrino Simulation Codes’ (Invited review talk), 5th International Workshop on Neutrino-Nucleus Interactions (NuINT07), 31 May - 3 June 2007, Fermilab, Chicago IL, USA.
- ‘The GENIE Universal Neutrino MC Generator’ (Invited talk), 3rd International Scoping Study’, 24-28 April 2006, Rutherford Appleton Lab, UK.
- ‘Neutrino MC Generators and Nuclear Effects’ (Invited talk), 20th Max Born Symposium (Nuclear Effects in Neutrino Interactions), 7-11 December 2005, Wroclaw, Poland.
- ‘The GENIE Universal Neutrino MC Generator’, 4th International Workshop on Neutrino-Nucleus Interactions (NuINT05), 26-29 September 2005, Okayama University, Okayama, Japan.
- ‘Neutrino Interaction Physics and Neutrino MC Event Generators’ (Invited talk), Next Generation of Nucleon Decay and Neutrino Detectors (NNN05), 7-9 April 2005, Aussois, Savoie, France.
- ‘Neutrino Interaction Model Validation’, 3rd International Workshop on Neutrino-Nucleus Interactions (NuINT04), 17-21 March 2004, Laboratori Nazionali del Gran Sasso - INFN, Assergi (L’Aquila), Italy.
- ‘The MINOS Experiment: Current Status and Atmospheric Neutrino Studies’, Recent Advances in High Energy Physics (HEP2003) Annual Meeting Of The Hellenic Society For The Study Of High Energy Physics, 17-29 April 2003, Athens, Greece.
- ‘MINOS Experiment: Characterization of multi-anode PMTs for the MINOS detectors’, Recent Advances in High Energy Physics (HEP2002) Annual Meeting Of The Hellenic Society For The Study Of High Energy Physics, 25-27 April, 2002, Patra, Greece.
- ‘Development of the MINOS detectors’, Recent Advances in High Energy Physics (HEP2001) Annual Meeting Of The Hellenic Society For The Study Of High Energy Physics, 6-8 April 2001, Heraklion, Greece.
- ‘MINOS: Prototype Detector and Toroidal Magnetic Field’, Recent Advances in High Energy Physics (HEP2000) Annual Meeting Of The Hellenic Society For The Study Of High Energy Physics, April 2000, Ioannina, Greece.

Seminars and Colloquia

- ‘Neutrino-Nucleus Interactions at the few-GeV Energy Scale’, CERN-TH Colloquium, 05/02/2020.
- ‘Neutrino-Nucleus Interaction Simulations’, University of Surrey, 01/05/2018.
- ‘Recent results from the T2K experiment on CP violation’, Cambridge University, 07/03/2017.
- ‘Neutrino Oscillation Results from T2K’, Manchester University, 19/01/2012.
- ‘Neutrino Oscillation Results from T2K’, Birmingham University, 19/10/2011.
- ‘First Neutrino Oscillation Results from T2K’, University College London, 27/05/2011.
- ‘First Neutrino Oscillation Results from T2K’, Rutherford Appleton Lab, 25/05/2011.
- ‘First Neutrino Oscillation Results from T2K’, Sussex University, 12/05/2011.
- ‘First Neutrino Oscillation Results from T2K’, Cambridge University, 10/05/2011.
- ‘First Neutrino Oscillation Results from T2K’, Bristol University, 04/05/2011.
- ‘Neutrino Interaction Modeling and Systematic Uncertainties’, IPPP Durham, 25/01/2010.
- ‘Neutrino Interaction Modeling and Systematic Uncertainties’, Paris LPNHE, GDR Neutrino, 27-28/04/2009.
- ‘The GENIE Neutrino MC Generator’, Imperial College London, 18/03/2008.
- ‘Feedback from the NuINT07, INPC07 and DBD07 conferences’, Rutherford Appleton Lab, 08/08/2007.
- ‘Neutrino Interaction Phenomenology’, Rutherford Appleton Lab, 03/03/2006.
- ‘The GENIE Neutrino MC Generator’, Strasbourg IReS, GDR Neutrino, 02-03/02/2006.

- ‘The MINOS Experiment: First Beam Data and Neutrino-Interaction Modeling’, Imperial College London, 17/11/2005.
- ‘Feedback from the NuINT05 conference’, Rutherford Appleton Lab, 02/11/2005.
- ‘Neutrino Oscillations & Interactions: A Review’, Rutherford Appleton Lab, 22/10/2004.
- ‘The MINOS Experiment’, University College London, 27/05/2004.
- ‘Feedback from the NuINT04 conference’, Rutherford Appleton Lab, 28/04/2004.
- ‘MINOS: Detector Development and Data Exploitation’, Rutherford Appleton Lab, 15/10/2003.

LIST OF PUBLICATIONS AND INTERNAL NOTES

Citations Summary	
Number of published papers	90
Number of citations	14,679
Citations per paper (average)	149.8
h-index	51

Source: *INSPIRE HEP*, Updated on September 8th, 2021

Peer-reviewed journal papers (Neutrino interaction phenomenology)

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- The GENIE Collaboration (J. Tena Vidal et al.), Neutrino-Nucleon Cross-Section Model Tuning in GENIE v3. Published 01 October 2021, Phys.Rev.D 104 (2021) 7, 072009.
- C. Wilkinson et al., Testing CCQE and 2p2h models in the NEUT neutrino interaction generator with published datasets from the MiniBooNE and MINERvA experiments, 19 pp., Published 21 April 2016, Phys.Rev. D93, 072010 (2016).
- The GENIE Collaboration (C. Andreopoulos et al.), The GENIE Neutrino Monte Carlo Generator, 34 pp., Published 21 February 2010, Nucl.Instrum.Meth. A614 (2010) 87-104.
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- The T2K Collaboration (K. Abe et al.), Improved constraints on neutrino mixing from the T2K experiment with 3.13×10^{21} proton on target. Published 16 June 2021, *Phys.Rev.D* 103 (2021) 11, 112008.
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