

## Curriculum Vitae | Adi Ashkenazi

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- 2021- **Tel Aviv University** | Senior lecturer
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- 2017-2020 **Massachusetts Institute of Technology** | Post doctoral position, supervised by Prof. Or Hen. Based at Fermilab.
- Fermilab** | Member of the MicroBooNE collaboration
- Co-leader of MicroBooNE DAQ experts team
- Co-convenor of MicroBooNE systematics working group
- Co-Spokesperson of the ‘e4v’ electron scattering experiment at JLAB
- GENIE event generator collaboration co-author
- Member of the NuSTEC board
- 2019-2021 **NuFact** | Cross Section Working Group co-convenor at the annual international workshop on neutrinos from accelerators.
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- 2016 **Tel Aviv University** | Post doctoral position supervised by Prof. Eli Piassetzky.
- 2012-2016 **Tel Aviv University** | PhD student in Experimental High Energy Physics.
- CERN** | Member of the European Organisation for Nuclear Research.
- Thesis “Search for new physics beyond the standard model in Dijet events at the LHC”, supervised by Prof. Erez Etzion and Dr. Gideon Bella.
- Other Construction and operation of the offline analysis environment for the TGC (muon detector) quality test, at the Tel Aviv laboratory.
- 2009-2012 **Tel Aviv University** | MSc in Physics.
- Thesis “Study of the hadronic recoil energy in the ATLAS detector as a tool to measure the W-boson transverse momentum.” supervised by Dr. Gideon Bella.
- 2009 **CERN** | Summer Students Program, under the supervision of Dr. Renaud Bruneliere.
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- 2008-2009 **Weizmann Institute** | The Emma and Oscar Getz Summer Science Program at the Weizmann Institute, under the supervision of Prof. Eilam Gross and Prof. Ehud Duchovni, and continuous work on weekly basis as in the Department of Particle Physics under the supervision of Prof. Eilam Gross.
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- 2006-2009 **The Hebrew University** | BSc Physics-Chemistry integrated program.

## Recent awards and scholarships

2024 The Nathan Rosen Experimental Physics Prize for Young Physicists.

2022 The Guido Altarelli Award, awarded at the XXIX International Workshop on Deep Inelastic Scattering & Related Subjects.

2022 The IUPAP C11 Early Career Scientist Award, 2021 Alon scholarship

2020 Tollestrup award for postdoctoral research.

2018 Intensity frontier fellowship, Israel national postdoc award for advancing women in science

2017 Amos De Shalit award for exceptional dissertation, Israel Physics Society

## Teaching Experience

2022 **Tel Aviv University** | Introduction to particles and nuclei, Classical Mechanics for Electrical Engineers

2010-2016 **Tel Aviv University** | Teaching assistant: Introduction to particles & nuclei, Physics 2 for engineers (electromagnetism), Physics 3 for engineers (waves, special relativity, quantum mechanics), Labs for 1<sup>st</sup> & 2<sup>nd</sup> years BSc physics students. “Scientists of the future” project.

## Selected Invited Talks from the last year

“**Cross section results from MicroBooNE**”, The 16th Lepton Interaction with Nucleons and Nuclei workshop, 7/9/23, Marciana, Elba, Italy.

“**Nuclear Effects in Neutrinos Experiments**” The 10th workshop of the APS topical group on hadronic physics, 14/4/23 Minneapolis, USA (online)

“**Neutrino-Nucleus Interactions from the experimental side**”, CERN neutrino platform pheno week, 14/3/23, CERN, Switzerland.

“**The Nuclear Aspects of Neutrino Interaction**” QNP 2022, 7/9/22 Florida USA (online)

“**Electron for Neutrinos**”, The Gordon Research Conference, 8/8/22, Holderness School, New Hampshire, USA.

“**Neutrino Nuclei Interaction - Working group summary**”, NuFACT2022, 6/8/22, Utah, USA.

“**Radiative Corrections in GENIE**” , Radiative correction in medium for high energy experiments workshop, ECT\*, Trento, Italy (online) 22/7/22.

“**Nuclear Aspects of Neutrino Interactions**”, ICHEP 2022, 6-13/7/22, Bologna, Italy.

“**Nuclear Aspects of Neutrino Interactions**”, DIS2022, 2-6/5/22, Santiago de Compostela, Spain.

## Selected Publication List

M Ankowski et al. “**Electron scattering and neutrino physics**”, a NF06 contributed paper to snowmass 2021

Khachatryan, M., Papadopoulou, A., Ashkenazi, A. et al. “**Electron-beam energy reconstruction for neutrino oscillation measurements**”. Nature 599, 565–570 (2021).

Papadopoulou, A. Ashkenazi, et al, “**Inclusive Electron Scattering And The GENIE Neutrino Event Generator**” Phys. Rev. D 103, 113003.

The MicroBooNE Collaboration, “**Search for an Excess of Electron Neutrino Interactions in MicroBooNE Using Multiple Final State Topologies**” [arXiv:2110.14054v2 [hep-ex]] (2021).

The MicroBooNE Collaboration, “**First Measurement of Differential Charged Current Quasielastic-like  $\nu\mu$ -Argon Scattering Cross Sections with the MicroBooNE Detector**”, Phys. Rev. Lett. 125, 201803. IF: 8.385, [arXiv:2006.00108v3 [hep-ex]].

The MicroBooNE Collaboration, “**Rejecting cosmic background for exclusive neutrino interaction studies with Liquid Argon TPCs; a case study with the MicroBooNE detector**”, Eur. Phys. J. C (2019) 79: 673, IF: 4.843.