

Curriculum Vitae – Meytal Duer

Name: Meytal Duer

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Education:

2014 – Present: Graduate studies, Experimental Nuclear physics, Tel-Aviv University, Israel.
Direct Ph.D. Honors program

Research topic: “Study of Short Range Correlated pairs in Heavy Nuclei.”

Supervisor: Prof. Eli Piasezky

2013 – 2014: M.Sc. Studies in physics, Tel Aviv University, Israel. Continued to a direct Ph.D track.

2010 – 2013: Undergraduate Studies: B.Sc. In physics, Tel-Aviv University, Israel.

Awards:

2018: J. Eisenberg award for academic research excellence (Tel-Aviv University, Physics).

Work Experience:

2013 – Present: Undergraduate physics lab instructor, Tel-Aviv University.

Army service:

2008 – 2010: Legal assistant, Military Soldiers Complain Commission unit.

Publications:

Accepted:

“Probing High Momentum Protons and Neutrons in Neutron-Rich Nuclei”

M. Duer, et al. (CLAS Collaboration), Nature, In Print (2018).

“Center of mass motion of short-range correlated nucleon pairs studied via the $A(e,e'pp)$ reaction”

E. O. Cohen, O. Hen, E. Piasezky, L.B. Weinstein, *M. Duer*, A. Schmidt, and I. Korover, et al. (CLAS Collaboration), Phys. Rev. Lett, In-Print (2018).

Submitted:

“EMC Effect and Correlated Nucleons: When One Plus One is not Two”

B. Schmookler and *M. Duer* et al. (CLAS Collaboration), under review with Nature (2018).

To be submitted:

The papers below conclude work that was reviewed and approved by the CLAS collaboration for submission to Physical Review Letters. The submission itself is expected in the coming weeks.

“Direct Observation of Proton-Neutron Short-Range Correlation Dominance in Heavy Nuclei”

M. Duer et al. (CLAS Collaboration), to be submitted to Physical Review Letters (2018).

“Measurements of transparency ratios for neutrons and protons”

M. Duer et al. (CLAS Collaboration), to be submitted to Physical Review Letters (2018).

Invited talks and Seminars

17. “Probing High-Momentum Protons and Neutrons in Asymmetric Nuclei”

Invited session talk at the APS Division of nuclear Physics and the Physical Society of Japan Workshop, Waikoloa HI, USA (Confirmed for October 2018).

16. “Short Range Correlations – Recent Results”

Gordon Conference on Photonuclear Reaction, Holderness School NH, USA (August 2018).

15. “SRC studies using Triple Coincidence $A(e,e'pp)$ and $A(e,e'np)$ reactions”

Jefferson Lab CLAS Collaboration Meeting, Newport News VA, USA (July 2018).

14. “Probing high-momentum protons and neutrons in asymmetric nuclei”

Physics Seminar, NRCN, Israel (June 2018).

13. “Probing high-momentum protons and neutrons in asymmetric nuclei”

Particle Physics Seminar, Tel-Aviv University, Tel-Aviv Israel (January 2018).

12. “Kinetic energy of protons and neutrons in asymmetric nuclei”

Electromagnetic Interactions with Nucleons and Nuclei, European Research Conference, Paphos, Cyprus, (October, 2017).

11. “Kinetic energy of protons and neutrons in asymmetric nuclei”

International Workshop on $(e,e'p)$ Processes, Bled, Slovenia, (July, 2017).

10. “Kinetic energy of protons and neutrons in asymmetric nuclei”

Jefferson Lab User Group Meeting, Newport News VA, USA (June 2017).

9. “Kinetic energy of protons and neutrons on asymmetric nuclei”

Nuclear Physics Seminar, Old Dominion University, Norfolk VA, USA (June 2017).

8. “Kinetic energy of protons and neutrons on asymmetric nuclei”

Israeli Joint Nuclear Seminar, Tel-Aviv University, Tel-Aviv Israel (June 2017).

7. “Probing high-momentum neutrons and protons in asymmetric nuclei”

International Workshop on high-density matter, Weizmann Institute, Israel (March, 2017).

6. “Momentum sharing in asymmetric nuclei”

Quantitative challenges in EMC and SRC Research and Data-Mining, Massachusetts Institute of Technology (MIT), Cambridge MA, USA (December, 2016).

5. “Probing 2N-SRC with the $A(e,e'n)$ and $A(e,e'p)$ reactions”

Jefferson Lab CLAS Collaboration Meeting, Newport News VA, USA (November 2016).

4. “Study of 2N-SRC via the $A(e,e'np)$ reaction”

Jefferson Lab CLAS Collaboration Meeting, Newport News VA, USA (February 2016).

3. **“Study of the $A(e,e'n)$ reaction – Data-Mining project”**

Jefferson Lab CLAS Collaboration Meeting, Newport News VA, USA (February 2016).

2. **“Study of the $(e,e'n)$ reaction using JLab CLAS EG2 data”**

International workshop on cold dense matter, GSI, Darmstadt, Germany (October 2015).

1. **“Study of the $A(e,e'n)$ reaction”**

International workshop on Experimental and Theoretical topics in JLab Data-Mining, Buffalo NY, (July 2015).