

## Investigator's Curriculum Vitae

Name (Title, Last, First, Initial): **Prof. Piassetzky Eliezer**  
Birth Year: 1953  
Institution (mail address) Tel Aviv University (Ramat Aviv Tel Aviv Israel)  
Department: School of Physics & Astronomy  
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### Educational Background

From Year	To Year	Institution	Specialization	Degree	Supervisor' Names
1997	1999	Tel Aviv University	Archaeology	B. A.	
1978	1981	Tel Aviv University	physics	Ph. D.	
1976	1978	Tel Aviv university	Physics	M.Sc.	
1971	1974	Tel Aviv University	Physics	B.Sc.	

### Major Interests

strong interaction; intermediate energy; nuclear physics; experimental physics; Two-nucleon correlations, nuclear particle physics, Hadron structure

### Employment History

From Year	To Year	Institution	Title	AreaOfResearch
1992	1992	Brookhaven National Laboratory	Visiting Physicist	Physics
1992	Present	Tel Aviv University	Professor	Physics
1987	1992	Tel Aviv University	Assoc. Prof.	Physics
1984	1986	Tel Aviv University	Senior Lect.	Physics
1982	1984	Los Alamos National Laboratory	Staff Member	Physics
1981	1982	Los Alamos National Laboratory	Post-doc.	Physics
1976	1981	Tel Aviv University	Teaching Assistant	Physics

**E. Piasetzky LIST OF PUBLICATIONS (last 5 years: 2014-2018)**

**A. BOOKS**

“Nuclear physics for cultural heritage”, A topical review by the Nuclear Physics Division of the European Physical Society, Editors: Anna Macková, Douglas MacGregor, Faïçal Azaiez, Johan Nyberg, and **Eli Piasetzky**. DOI: 10.1071/978-2-7598-2091-7, ISBN: 978-2-7598-2091-7, October 2016 84 pages.

**B. JOURNAL and ARTICLES**

149. Korover, Muangma, Hen, Shneor, Sulkosky, Kelleher, Gilad, Higinbotham, **Piasetzky**, Watson, Wood, et al., “Probing repulsive core of the nucleon-nucleon interaction via the  $4\text{He}(e; e'pN)$  triple-coincidence reaction”, *Phys. Rev. Lett.* 113, 022501.
150. B. Sober, S. Faigenbaum, I. Beit Arie, I. Finkelstien, M. Moinester, **E. Piasetzky**, A. Shaus, “Multispectral imaging as a tool for enhancing the reading of ostraca”, *Palestine Exploration Quarterly*, 146,3(2014) 185-197.
151. Monaghan, Shneor, Subedi, Anderson, Aniol, Annand, Arrington, Benaoum, Benmokhtar, Bertin, Bertozzi, Boeglin, Chen, Seonho Choi, Chudakov, Ciofi degli Atti, Cisbani, Cosyn, Craver, de Jager, Feuerbach, Folts, Frullani, Garibaldi, Gayou, Gilad, Gilman, Glamazdin, Gomez, Hansen, Higinbotham, Holmstrom, Ibrahim, Igarashi, Jans, Jiang, Jiang, Kaufman, Kelleher, Kolarkar, Kuchina, Kumbartzki, LeRose, Lindgren, Liyanage, Margaziotis, Markowitz, Marrone, Mazouz, Meekins, Michaels, Moffit, Morita, Nanda, Perdrisat, **Piasetzky**, et al., “Measurement of the  $^{12}\text{C}(e, e'p)^{11}\text{B}$  Two-Body Breakup Reaction at High Missing Momentum Values”, *J.Phys. G41* (2014) 105109.
152. O. Hen, M. Sargsian, L.B. Weinstein, **E. Piasetzky**, et al., “Momentum sharing in imbalanced Fermi systems”, *Science* 346, 614 (2014).
154. M. Moinester, **E. Piasetzky**, M. Braverman, “RHX Dating of Archaeological Ceramics Via a New Method to Determine Effective Lifetime Temperature”, *Journal of the American Ceramics Society* 1-7 (2014), DOI:10.1111/JOCE.13343.
155. M. Mihovilovi, G. Jin, E. Long, Y.-W. Zhang, K. Allada, B. Anderson, J. R. M. Annand, T. Averett, W. Boeglin, P. Bradshaw, A. Camsonne, M. Canan, G. D. Cates, C. Chen, J. P. Chen, E. Chudakov, R. De Leo, X. Deng, A. Deltuva, A. Deur, C. Dutta, L. El Fassi, D. Flay, S. Frullani, F. Garibaldi, H. Gao, S. Gilad, R. Gilman, O. Glamazdin, J. Golak, S. Golge, J. Gomez, O. Hansen, D. W. Higinbotham, T. Holmstrom, J. Huang, H. Ibrahim, C. W. de Jager, E. Jensen, X. Jiang, M. Jones, H. Kang, J. Katich, H. P. Khanal, A. Kievsky, P. King, W. Korsch, J. LeRose, R. Lindgren, H.-J. Lu, W. Luo, L. E. Marcucci, P. Markowitz, M. Meiziane, R. Michaels, B. Moffit, P. Monaghan, N. Muangma, S. Nanda, B. E. Norum, K. Pan, D. Parno,

- E. Piasetzky**, et al., “Measurement of double-polarization asymmetries in the quasi-elastic  $^3\text{He}(e; e'd)$  process”, *Phys. Rev. Lett.* 113 (2014) 232505.
156. Or Hen, Bao-An Li, Wen-Jun Guo, L. B. Weinstein, and **Eli Piasetzky**, "Kinetic symmetry energy of nucleonic matter with tensor correlations", *Phys. Rev.* C91 025803 (2015).
157. Shira Faigenbaum, Barak Sober, Israel Finkelstein, Murray Moinester, **Eli Piasetzky**, Arie Shaus, Michael Cordonsky, "Multispectral Imaging of two Hieratic Inscriptions from Qubur el-Walaydah", *Egypt and the Levant* XXIV 2014 p 349.
158. Alexander Fantalkin, Israel Finkelstein, and **Eli Piasetzky**, "Late Helladic to Middle Geometric Aegean and Contemporary Cypriot Chronologies: A Radiocarbon View from the Levant", *BASOR* 373 (2015): 25–48.
159. Faigenbaum-Golovin, S., Shaus, A, Sober, B, Finkelstein, I., Levin, D., Moinester, M., **Piasetzky, E.**, Turkel E., "Computerized Paleographic Investigation Of Hebrew Iron Age Ostraca", *Radiocarbon*, Vol 57, Nr 2, 2015, pp. 317–325.
160. C. Colle, O. Hen, W. Cosyn, I. Korover, **E. Piasetzky**, J. Ryckebusch, and L. B. Weinstein, "Extracting the mass dependence and quantum numbers of short-range correlated pairs from  $A(e, e' p)$  and  $A(e, e' pp)$  scattering", ***Phys. Rev. C*92, 024604 (2015)**.
161. C. Fanelli, E. Cisbani, D. J. Hamilton, G. Salme, B. Wojtsekhowski, A. Ahmidouch, J. R. M. Annand, H. Baghdasaryan, J. Beaufait, P. Bosted, E. J. Brash, C. Butuceanu, P. Carter, E. Christy, E. Chudakov, S. Danagoulian, D. Day, P. Degtyarenko, R. Ent, H. Fenker, M. Fowler, E. Frlez, D. Gaskell, R. Gilman, T. Horn, G. M. Huber, C. W. de Jager, E. Jensen, M. K. Jones, A. Kelleher, C. Keppel, M. Khandaker, M. Kohl, G. Kumbartzki, S. Lassiter, Y. Li, R. Lindgren, H. Lovelace, W. Luo, D. Mack, V. Mamyran, D. J. Margaziotis, P. Markowitz, J. Maxwell, G. Mbianda, D. Meekins, M. Meziane, J. Miller, A. Mkrtchyan, H. Mkrtchyan, J. Mulholland, V. Nelyubin, L. Pentchev, C. F. Perdrisat, **E. Piasetzky**, et al., “Polarization Transfer in Wide-Angle Compton Scattering and Single-Pion Photoproduction from the Proton”, *Phys.Rev.Lett.* 115 (2015) 152001
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169. L. B. Weinstein, O. Hen, and **Eli Piasetzky**, "'Hammer" events, neutrino energies, and nucleon-nucleon correlations", *Phys. Rev. C* 94, 045501 (2016).
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171. "Facsimile creation: review of algorithmic approaches" , Arie Shaus, Barak Sober, Shira Faigenbaum-Golovin, Anat Mendel-Geberovich, **Eli Piasetzky**, and Eli Turkel in Finkelstein,

- I., Robin, C. and Romer, T. eds., 2016. *Alphabets, Texts and Artifacts in the Ancient Near East, Studies Presented to Benjamin Sass*. Paris: Van Dieren.
172. "Polarization-transfer measurement to a large-virtuality bound proton in the deuteron", I. Yaron, D. Izraeli, P. Achenbach, H. Arenhovel, J. Bericic, R. Bohm, D. Bosnar, L. Debenjak, M. O. Distler, A. Esser, I. Friscic, R. Gilman, I. Korover, J. Lichtenstadt, H. Merkel, D. G. Middleton, M. Mihovilovic, U. Muller, **E. Piasetzky** et al. (A1 Collaboration), *Phys.Lett. B*769 (2017) 21-24.
173. "Multispectral imaging reveals biblical-period inscription unnoticed for half a century", Faigenbaum-Golovin S, Mendel-Geberovich A, Shaus A, Sober B, Cordonsky M, et al. *PLOS ONE* 12(6): e0178400. <https://doi.org/10.1371/journal.pone.0178400>
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175. "Statistical Inference in Archaeology: Are We Confident?", Arie Shaus, Barak Sober, Shira Faigenbaum-Golovin, Anat Mendel-Geberovich, David Levin, **Eli Piasetzky**, and Eli Turkel, *Rethinking Israel: Studies in the History and Archaeology of Ancient Israel in Honor of of Israel Finkelstein*, edited by Oded Lipschits, Yuval Gadot, and Matthew J. Adams, Eisenbrauns 2017.
176. "Shedding Light on Iron Age Hebrew Ostraca via Modern Imaging and Computational Technologies", \*Shira Faigenbaum-Golovin, Arie Shaus, Barak Sober, Anat Mendel Geberovich, **Eli Piasetzky**, and Israel Finkelstein", *TAU Archaeology newsletter*, 3, 12, 2017.
177. "A Brand New Old Inscriptions: Arad Ostrakon 16 Rediscovered via Multispectral Imaging", *BASOR* 378 (2017): 113-125.
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181. "Components of polarization-transfer to a bound proton in a deuteron measured by quasi-elastic electron scattering", A1 collaboration, D. Izraeli, I. Yaron, B.S. Schlimme, P. Achenbach, H.

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182. “The symmetry energy  $\gamma$  parameter of the consistent relativistic mean-field models”, M. Dutra, O. Lourenco, O. Hen, **E. Piasetzky** and D.P. Menezes, Chin. Phys. C 42, 064105 (2018). arXiv: 1708.01521.
183. “Short range correlations and the isospin dependence of nuclear correlation functions”, R. Cruz-Torres, A. Schmidt, G.A. Miller, L.B. Weinstein, N. Barnea, R. Weiss, **E. Piasetzky**, O. Hen, Phys. Lett. B 785 (2018) 304-308. arXiv: 1710.07966.
184. “Search for three-nucleon short-range correlations in light nuclei”, Z. Ye, P. Solvignon, D. Nguyen, P. Aguilera, Z. Ahmed, H. Albataineh, K. Allada, B. Anderson, D. Anez, K. Aniol, J. Annand, J. Arrington, T. Averett, H. Baghdasaryan, X. Bai, A. Beck, S. Beck, V. Bellini, F. Benmokhtar, A. Camsonne, C. Chen, J.-P. Chen, K. Chirapatpimol, E. Cisbani, M. M. Dalton, A. Daniel, D. Day, W. Deconinck, M. Defurne, D. Flay, N. Fomin, M. Friend, S. Frullani, E. Fuchey, F. Garibaldi, D. Gaskell, S. Gilad, R. Gilman, S. Glamazdin, C. Gu, P. Gueye, C. Hanretty, J.-O. Hansen, M. Hashemi Shabestari, D. W. Higinbotham, M. Huang, S. Iqbal, G. Jin, N. Kalantarians, H. Kang, A. Kelleher, I. Korover, J. LeRose, J. Leckey, R. Lindgren, E. Long, J. Mammei, D. J. Margaziotis, P. Markowitz, D. Meekins, Z. Meziani, R. Michaels, M. Mihovilovic, N. Muangma, C. Munoz Camacho, B. Norem, Nuruzzaman, K. Pan, S. Phillips, **E. Piasetzky** et al. (The Jefferson Lab Hall A Collaboration), Phys. Rev. C 97, 065204, 2018.
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189. “Energy and momentum dependence of nuclear short-range correlations - Spectral function, exclusive scattering experiments and the contact formalism”, Ronen Weiss, Igor Korover, **Eli Piasetzky**, Or Hen, and Nir Barnea, Phys. Rev. Lett. B, accepted for publication. <http://arxiv.org/abs/arXiv:1806.10217>