

Curriculum Vitae

Henry R. Giacaman

Current Positions:

Vice President for Academic Affairs,
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Academic Degrees:

Jan. 1977: PhD, Rutgers University, New Brunswick, New Jersey, U.S.A.
June 1972: BSc in Physics, American University of Beirut, Beirut, Lebanon.

Previous Academic Positions (in reverse chronological order):

Sep. 07-Present: Professor of Physics, Birzeit University, Birzeit, Palestine.
Sep. 93-Aug 07: Professor of Physics, Bethlehem University, Bethlehem,
Palestine.
Oct. 91-Sep. 93: Professor of Physics, Birzeit University, Birzeit, Palestine.
Oct. 84-Sep. 91: Assoc. Professor, Physics Dept., Birzeit University, Palestine.
Feb. 77-Sep. 84: Assist. Professor, Physics Dept. Birzeit Univ., Birzeit, Palestine.

Previous Research Positions (in reverse chronological order):

Sep. 04-Jul 05: Fulbright Scholar, Laboratory for Computational Cell Biology,
The Scripps Research Institute, La Jolla, USA
July 91-Sep. 91: Deutsche Forschungsgemeinschaft Fellow, Free University,
Berlin, Germany.
Aug. 89-Sep.90: Humboldt Fellow, Hahn-Meitner Institute, Berlin, Germany.
Sep. 82-Aug. 84: Research Fellow, Rutgers Univ., New Brunswick, NJ, USA.
Sep. 77-Aug. 78: Postdoctoral Fellow, Niels Bohr Institute, Copenhagen,
Denmark.

Publications:

- 1) Arij Abdul-Rahman, Mahmoud Alstaty and H R Jaqaman (2015): Centre of mass motion and the Mott transition in light nuclei. *Journal of Physics G: Nuclear and Particle Physics* **42** 055111 doi:10.1088/0954-3899/42/5/055111
- 2) Saeda Talahmeh and Henry R Jaqaman (2013): Light cluster formation in low density nuclear matter and the stability of hot nuclei. *Journal of Physics G: Nuclear and Particle Physics* **40** 015103 doi:10.1088/0954-3899/40/1/015103

- 3) **D. Loerke, M. Mettlen, D. Yarar, K. Jaqaman, H. Jaqaman, et al. (2009): Cargo and dynamin regulate clathrin-coated pit maturation. PLoS Biol 7(3): e1000057. doi:10.1371/journal.pbio.1000057**
- 4) **I. Zakout, W. Greiner and H. R. Jaqaman (2005): Thermal Kaon Production in Relativistic Heavy-ion collisions. Nuclear Physics A 759 201-226.**
- 5) **I. Zakout, H. R. Jaqaman and W. Greiner (2003): Numerical solution of the color superconductivity gap in a weak coupling constant. Physical Review C 68 034901-1.**
- 6) **H. I. Hidmi, D. H. E. Gross and H. R. Jaqaman (2002): On the fragmentation of multiply charged sodium clusters. European Physical Journal D 20 87.**
- 7) **I. Zakout, H. R. Jaqaman and W. Greiner (2001): Properties of dense strange hadronic matter with quark degrees of freedom. Journal of Physics G: Nuclear and Particle Physics 27 1938.**
- 8) **I. Zakout and H. R. Jaqaman (2000): Hot Nuclear Matter in the Modified Quark-Meson Coupling model with Quark-Quark Correlations. Journal of Physics G: Nuclear and Particle Physics 26 1095.**
- 9) **I. Zakout, H. R. Jaqaman, S. Pal, H. Stocker, and W. Greiner (2000): Hot Hypernuclear Matter in the Modified Quark-Meson Coupling Model. Physical Review C 61 055208-1.**
- 10) **I. Zakout and H. R. Jaqaman (1999): Hot Nuclear Matter in the Modified Quark-Meson Coupling Model with Dilatons. Physical Review C 59 968.**
- 11) **I. Zakout and H. R. Jaqaman (1999): Deconfinement in the Quark-Meson Coupling Model. Physical Review C 59 962.**
- 12) **H. R. Jaqaman in J. Hubele et al. (1992): Statistical fragmentation of Au projectiles at $E/A = 600$ MeV. Physical Review C 46 R1577.**
- 13) **H. R. Jaqaman, L. Sihver, K. Aleklett, W. Loveland, P.L. McGaughey and D.H.E. Gross (1992): Gold target fragmentation by 800 GeV protons. Nuclear Physics A 543 703.**
- 14) **H. R. Jaqaman, A. R. DeAngelis, A. Ecker and D.H.E. Gross (1992): Charge-Conservation, quantum symmetry and Metropolis sampling in an exactly solvable model of nuclear fragmentation. Nuclear Physics A 541 492.**
- 15) **H. R. Jaqaman, D.H.E. Gross, A.R. DeAngelis, Pan Jicai and R. Heck (1992): Intermittency in the multifragmentation of hot nuclei ? Physical Review Letters 68 146.**

- 16) H. R. Jaqaman and D.H.E. Gross (1991): Signals of the liquid-gas phase transition in the fragmentation of hot nuclei: finite-size scaling. Nuclear Physics A 524 321.
- 17) H. R. Jaqaman, Gabor Papp and D.H.E. Gross (1990): Percolation vs. microcanonical fragmentation: comparison of fragment size distributions. Where is the liquid-gas transition in nuclei ? Nuclear Physics A 514 327.
- 18) H. R. Jaqaman (1989): Instability of Hot Nuclei. Physical Review C 40 1677.
- 19) H. R. Jaqaman (1989): Coulomb Instability of Hot Nuclei. Physical Review C 39 169.
- 20) H. R. Jaqaman (1988): Approximate Analytic Self-Consistent Solution of the Overhauser Problem for $T > 0$. Physical Review C 38 1418.
- 21) H. R. Jaqaman (1986): Collective Flow in Ar + KCl at 1.8 GeV/Nucleon. Physical Review C 33 2191.
- 22) H. R. Jaqaman, H. Liu and L. Zamick (1985): Excited States of ^4He . Physical Review C 31 2251.
- 23) H. R. Jaqaman and A. Z. Mekjian (1985): Fokker-Planck and Linear Transport Solutions to Collective Flow in Heavy Ion Collisions. Physical Review C 31 146.
- 24) H. R. Jaqaman and L. Zamick (1984): High Multipole Moments in Nuclei. Physical Review C 30 1719.
- 25) H. R. Jaqaman, A. Z. Mekjian and L. Zamick (1984): Liquid-Gas Phase Transitions in Finite Nuclear Matter. Physical Review C 29 2067.
- 26) H. R. Jaqaman (1984): Sub-Barrier Fusion of Heavy Ions. Physical Review C 29 335.
- 27) H. R. Jaqaman, A. Z. Mekjian and L. Zamick (1983): Nuclear Condensation. Physical Review C 27 2782.
- 28) H. R. Jaqaman and A. Z. Mekjian (1976): The Nucleus-Nucleus Potential. Nuclear Physics A 259 157.
- 29) H. R. Jaqaman and A. Z. Mekjian (1975): An Optical Potential for Heavy Ion Interactions. Physics Letters B 56 237