

## CURRICULUM VITAE

### **Personal Data:**

Born: Bagdad, Iraq, October 24, 1943

Citizenship: Israel

Marital Status: Married + two children

Address: Department of Physics, Ben Gurion University Of The Negev,  
Beer Sheva 84105, Israel

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### **Education:**

1969 – 1972: Ph.D., Nuclear Physics (Experimental), Tel Aviv University,  
Tel Aviv, Israel. Thesis: " Nuclear Structure Studies of the Mo Isotopes with the  
(p,t) Reaction." Supervisor: Professor Jonas Alster.

1964 – 1965 M.Sc., Nuclear Physics, Hebrew University of Jerusalem,  
Jerusalem, Israel. Thesis: " Mossbauer Effect Studies of the 103-keV Level on  
Eu153." Supervisor: Professor Shimon Ofer.

1961 – 1964 B.Sc., Physics (major) and Mathematics, Hebrew University of  
Jerusalem, Jerusalem, Israel.

### **Positions held:**

1976 – Present Department of Physics, Beer Sheva 85105, Israel : Professor  
Emeritus, Professor of Physics (1996), Associate Professor (1982), Senior Lecturer  
(1978), Lecturer (1976).

1987 – 1989 Visiting Scientist, LNS, CEA de Saclay, France

1985 – 1986 Visiting Scientist, TRIUMF, Vancouver, Canada

1974 – 1976 Research Associate, Hebrew University, Jerusalem, Israel

1973 – 1974 Research Associate, Michigan State University, Cyclotron  
Laboratory, E. Lansing, MI 48824, USA

**Professional activities, honors and associations:**

Member, Incubators Committee, Office of the Chief Scientist, Ministry of Industry & Commerce, 2008-present.

Member, Physics Committee, Ministry of Education, 2004-2006.

Member, BGU Board of Governors, 1998-2002.

Member, BGU Committee of Nomination, 2001-2004.

Chairman, Department of Physics, Ben-Gurion University of the Negev, 1998-2002.

President, Israel Physical Society, 1998-2002.

Institute of Physics, Elected Fellow, December 1999.

Vice President, Israel Physical Society, 1995-1998.

Member, Association of Architects and Engineers in Israel (AGIL).

**Research interests:**

Quantum equations of massless particles, Transport of radiations through disordered samples, Effective field theories for the study of electroweak and strong processes involving pseudo-scalar and vector mesons, Light meson production, Two photon interactions, CP and CPT Violations, Nuclear medicine and nuclear Imaging, Nuclear reaction and nuclear structure.

**Scientific conferences:**

Member, organizing committee of the EPS XVIIth International Nuclear Physics Divisional Conference on "Nuclear Physics in Astrophysics", 2002.

Member, organizing committee of the Annual Meeting of the Israel Physical Society, Tel-Aviv, December 2001.

Member, organizing committee of the International Conference on Materials Sciences and Technologies – AGIL2000, Jerusalem, November 2000. Member, Organizing Committee of the Annual Meeting of the Physical Society, Haifa, 2000.

Member, Organizing Committee of the Annual Meeting of the Physical Society, Ramat Aviv, 1999.

Member, Organizing Committee of the Annual Meeting of the Physical Society, Rehovoth, 1998.

Chairman, Organizing committee of the Annual Meeting of the Physical Society, Beer-Sheva, April 1997.

## **Teaching:**

Many courses in Physics for Exact Sciences and Engineering students: Newtonian Mechanics, Electricity and Magnetism, Electrodynamics (for undergraduates and graduate students), Modern physics, Nuclear physics (for undergraduates and graduate students), Mathematical principles for science and engineering.

## **Students:**

At present: Ilan Mor (PhD)

## PROFESSIONAL ACTIVITIES, HONORS, ASSOCIATIONS

Member, Incubators Committee, Office of the Chief Scientist, Ministry of Industry & Commerce, 2008-2010.

Member, Physics Committee, Ministry of Education, 2004-2006.

Member, BGU Board of Governors, 1998-2002.

Member, BGU Committee of Nomination, 2001-2004.

Chairman, Department of Physics, Ben-Gurion University of the Negev, 1998-2002.

President, Israel Physical Society, 1998-2002.

Institute of Physics, Elected Fellow, December 1999.

Vice President, Israel Physical Society, 1995-1998.

Member, Association of Architects and Engineers in Israel (AGIL).

## RESEARCH INTERESTS

Quantum equations for massless particle of any spin, CT/SPECT Nuclear Imaging, Transmission of electromagnetic waves in disordered systems, Nuclear Reaction and Nuclear Structure, Hadroproduction of light mesons, CP and CPT Violations, Two photon interactions, Effective field theories for the study of electroweak and strong processes involving pseudoscalar and vector mesons, Nuclear medicine.

## SCIENTIFIC CONFERENCES

Member, organizing committee of the EPS XVIIth International Nuclear Physics Divisional Conference on "Nuclear Physics in Astrophysics", 2002.

Member, organizing committee of the Annual Meeting of the Israel Physical Society, Tel-Aviv, December 2001.  
Member, organizing committee of the International Conference on Materials Sciences and Technologies – AGIL2000, Jerusalem, November 2000.  
Member, Organizing Committee of the Annual Meeting of the Physical Society, Haifa, 2000.  
Member, Organizing Committee of the Annual Meeting of the Physical Society, Ramat Aviv, 1999.  
Member, Organizing Committee of the Annual Meeting of the Physical Society, Rehovoth, 1998.  
Chairman, Organizing committee of the Annual Meeting of the Physical Society, Beer-Sheva, April 1997.

#### REFEREED ARTICLES in SCIENTIFIC JOURNALS

1. U. Atzmony, A. Moalem and S. Ofer  
"Mössbauer Effect Studies of the 103 keV Level on  $^{153}\text{Eu}$ "  
Phys. Rev. 136B, 1237-40, 1964.
2. A. Moalem, M.A. Moinester, J. Alster, Y. Dupont and M. Chabre  
"The  $^{92}\text{Mo}(p, t)^{90}\text{Mo}$  Reaction at 40 MeV"  
Phys. Lett. 34B, 392-4, 1971.
3. A. Moalem, M.A. Moinester, N. Auerbach, J. Alster and Y. Dupont  
"A Nuclear Structure Study with the  $^{94}\text{Mo}(p, t)^{92}\text{Mo}$  Reaction"  
Nucl. Phys. A177, 145-60, 1971.
4. D. Ashery, S. Alper, A. Moalem, M.A. Moinester, Y. Shamai, A.I. Yavin and G. Bruge  
"Stripping to Isobaric Analog Resonances in the  $^{92,94,96}\text{Mo}(3\text{He}, d)^{93,95,97}\text{Tc}$  Reactions"  
Phys. Rev. C5, 1729-33, 1972.
5. D. Agassi, N. Auerbach and A. Moalem  
"Stripping to Isobaric Analog Resonances"  
Phys. Rev. C6, 485-88, 1972.
6. A. Moalem, M. A. Moinester, J. Alster and Y. Dupont  
"Nuclear Structure Study of Even Mo Isotopes with the (p, t) Reaction"  
Nucl. Phys. A196, 605-14, 1972.

7. A. Moalem , W. Benenson and G.M. Crawley  
"Excitation of Giant Resonance by Inelastic  $^3\text{He}$  Scattering"  
Phys. Rev. Lett. 31, 482-5, 1973.
8. A. Moalem and B.H. Wildenthal  
"Mass of  $^{31}\text{S}$ "  
Phys. Rev. C8, 1961-2, 1973.
9. S. Cochavi, A. Moalem , D. Ashery, J. Alster, G. Bruge and A. Chaumeaux  
"Study of the (p, d) Reaction on  $^{95}\text{Mo}$  and  $^{97}\text{Mo}$ "  
Nucl. Phys. A211, 21-28, 1973.
10. A. Moalem , W. Benenson and G.M. Crawley  
"A Study of the Nuclear Continuum in  $^{16}\text{O}$  by Inelastic  $^3\text{He}$  Scattering"  
Nucl. Phys. A236, 307-16, 1974.
11. G.R. Hammerstein, H. McManus, A. Moalem and T.T.S. Kuo  
"The Excitation of Giant Resonances in Electron and Proton Scattering"  
Phys. Lett. 49B, 235-38, 1974.
12. W. Benenson, E. Kashy, D. H. Dong-A-Siou, A. Moalem and H. Nann  
"T-3/2 in Mass-11 Nuclei"  
Phys. Rev. C9, 2130-33, 1974.
13. A. Moalem and B.H. Wildenthal  
"Structure of  $^{33}\text{S}$  from a Study of the  $^{34}\text{S}(p, d)^{33}\text{S}$  Reaction at 35 MeV"  
Phys. Rev. C11, 654-63, 1975.
14. **A. Moalem** , R. Markham, H. Nann and M.A.M. Shahabudin  
"Splitting of the Lowest T=2 in  $^{44}\text{Ti}$ ,  $^{48}\text{Cr}$  and  $^{52}\text{Fe}$ "  
Phys. Lett. **58B**, 167-70, 1976.
15. **A. Moalem** , W. Benenson and G.M. Crawley and T.L. Khoo  
"Decay Modes in the Giant Resonances Region of  $^{40}\text{Ca}$ "  
Phys. Lett. **61B**, 167-70, 1976.
16. E. Friedman, **A. Moalem**, D. Suraqui and S. Mordechai  
"Absolute Normalization of the (t, d) and ( $^3\text{He}$ , d) Reactions"  
Phys. Rev. **C14**, 2082-88, 1976.
17. E. Friedman, **A. Moalem**, D. Suraqui and S. Mordechai  
"Isotope Shifts of  $f_{7/2}$  radii from Nucleon Transfer Reactions"  
Phys. Rev. **C15**, 456-8, 1977.

18. E. Friedman, **A. Moalem** , D. Suraqui and S. Mordechai

”Absolute Normalization of ( $\alpha$ ,  $^3\text{He}$ ) Reactions”

Phys. Rev. **C15**, 1604-06, 1977.

19. **A. Moalem**

”Properties of the GQR from the  $^{40}\text{Ca}(^3\text{He}, ^3\text{He}_\alpha)^{36}\text{Ar}$  and  $^{40}\text{Ca}(^3\text{He}, ^3\text{He}_p)^{39}\text{K}$  Reactions”

Nucl. Phys. **A281**, 461-8, 1977.

20. **A. Moalem**

”Consistency Check of (d, p), (d, t) and ( $^3\text{He}, \alpha$ ) Absolute Normalization from Spin Dependent Sum Rule Analysis”

Nucl. Phys. **A289**, 45-53, 1977.

21. J. Burde, V. Richter, I. Labaton, **A. Moalem** and D. Kalinsky

”Multiparameter Data Acquisition and Analysis in Nuclear On-Line Measurements”

Nucl. Inst. Meth. **151**, 261-5, 1978.

22. **A. Moalem** and E. Friedman

”Radial Distribution of  $1g_{9/2}$  Nucleon in Sr Isotopes from Nuclear Transfer Reactions”

Phys. Rev. Lett. **40**, 1064-6, 1978.

23. **A. Moalem** , J.F.A. van Hienen and E. Kasky

”Role of the RMS Radius in DWBA Calculations of the (p, d) Reaction”

Nucl. Phys. **A307**, 277-84, 1978.

24. **A. Moalem** , Y. Gaillard, A.M. Bemolle, M. Buenerd, J. Chauvin, G. Duhamel, D. Lebrun, P.Martin, G. Perrin and P. de Saintignon

”Isotopic Dependence of the GQR in the Stable Even-Mass Molybdenum Nuclei”

Phys. Rev. **C20**, 1593-6, 1979.

25. **A. Moalem** and Z. Vardi

”Radial Distribution of  $1f_{7/2}$  Nucleons from Transfer Data on  $^{51}\text{V}$  ”

Nucl. Phys. **A232**, 195-204, 1979.

26. **A. Moalem** and Z. Vardi

”Absolute Normalization of ( $\alpha$ , t) Reactions”

Nucl. Phys. **A332**, 205-9, 1979.

27. J. Bar-Touv, **A. Moalem** and S. Shlomo

”Isotopic Dependence of Giant Multipole Resonances”

Nucl. Phys. **A339**, 303-316, 1980.

28. J. Burde, V. Richter, I. Labaton and **A. Moalem**

"Low Energy Excited States in  $^{128}\text{I}$  Produced by the (p, n) Reaction"  
Nucl. Phys. **A351**, 238-56, 1981.

29. J. Bar-Touv and **A. Moalem**

"Low Multipole States in  $^{18}\text{O}$  from Open-Shell Linear Response Model"  
Nucl. Phys. **A351**, 285-94, 1981.

30. **A. Moalem** and J. Bar-Touv

"Extension of Linear Response Method to Open-Shell Multipole Giant Resonances"  
Phys. Rev. **C23**, 1810-14, 1981.

31. **A. Moalem**, H.T. Fortune and G. Stephans

"Orbit Sizes in the  $^{91}\text{Zr} \pm \text{N}$  Systems from Transfer Reactions"  
Nucl. Phys. **A378**, 251-257, 1982.

32. **A. Moalem**

"Regularities of Orbit Sizes of Valence Nucleons"  
Phys. Rev. **C25**, 1757-1760, 1982.

33. D. Fink, E. Friedman, M. Paul and **A. Moalem**

"The Determination of the ( $\alpha$ , t) Absolute Normalization Constant"  
Nucl. Phys. **A389**, 18-28, 1982.

34. I. Schwartz, S. Shaft, **A. Moalem** and Z. Ovadyahu

"Observation of a Scale-Dependent Quantum Diffusion near the Metal-Insulator Transition"  
Phil. Mag. **B50**, 221-227, 1984.

35. **A. Moalem**, J.A. Niskanen and A.M. Green

"Direct Formation of N-N Bound States in a Single Nucleon Pickup"  
Phys. Lett. **146B**, 379-382, 1984.

36. **A. Moalem**, D. Freckers, S.A. Gurvitz, R. Abegg, C.A. Davis, K.P. Jackson, C.A. Miller, R.S. Henderson, S. Yen, R.L. Helmer, K.H. Hicks and J.S. Wesick.

"Inclusive Analyzing Power and Scattering Mechanisms in Proton-Nucleus Scattering at Backward Angles"  
Phys. Lett. **183B**, 269-272, 1987.

37. K.P. Jackson, A. Celler, W.P. Alford, K. Raywood, R. Abegg, R.E. Azuma, C.K. Campbell, M.S. El-Kateb, D. Freckers, P.W. Green, O. H'ausser, R.L. Helmer, R.S. Henderson, K.H. Hicks, R. Jeppeson, P. Lewis, C.A. Miller, **A. Moalem**, R.B. Schubank, G. G. Shute, B. M. Spicer, M. C. Vetterli, A. I. Yavin and S. Yen

"The (n, p) Reaction as a Probe of Gamow-Teller Strength"

Phys. Lett. **B201**, 25-28, 1988.

38. N. Willis, **A. Moalem**, M.P. Comets, J. Arvieux, A.M. Bergdolt, G. Bergdolt, L. Bimbot, O. Bing, M. Boivin, A. Chisholm, P. Courtat, F. Hibou, Y. le Bornec, E. Loireleux, F. Reide and B. Tatischeff

"Experimental Search for B=2, T=2 Bound States Around the ( $\pi$ NN) Threshold"

Phys. Lett. **B229**, 33-36, 1989.

39. **A. Moalem**, F. Meot, G. Leleux, J.P. Penicaud, A. Tkatchenko and P. Birien

"A Modified QDD Spectrometer for Eta Meson Decay Measurement"

Nucl. Inst. Meth. **A289**, 168-175, 1990.

40. M.P. Combes-Comets, P. Courtat, R. Frascaria, Y. Le Bornec, E. Loireleux, F. Reide, B. Tatischeff, N. Willis, E. Aslanides, D. Benabdelouahed, A.M. Bergdolt, G. Bergdolt, O. Bing, P. Fassnacht, F. Hibou, M. Bovin, A. Chisholm, C. Kerboul, **A. Moalem**

"Search for T=2 dibaryon in  $p + p \rightarrow \pi^- + X$  reaction and study of highly inelastic NN scattering"

Phys. Rev. **C43**, 973-982, 1991.

41. F. Plouin, P. Fleury, D. Bachelier, R. Beurtey, A. Boudard, J.L. Boyard, W. Brisco, T. Hennino, R. Kessler, B. Mayer, G. Milleret, **A. Moalem**, A. Nakach, B.M.K. Nefkens, C. Pillai, C. Whitten and C. Wilkin

"The  $\eta$  Meson Mass"

Phys. Lett. **B276**, 526-530, 1992.

42. B. Tatischeff, M.P. Comets, P. Courtat, R. Gacougnolle, Y. le Bornec, E. Loireleux, F. Reide, N. Willis, A. M. Bergdolt, G. Bergdolt, O. Bing, F. Hibou, M. Boivin, **A. Moalem**

"Measurement of the H(d, p)X reaction and possible evidence for a structure at  $M_{pp}=1945$  MeV"

Phys. Rev. **C45**, 2005-2007, 1992.

43. A.M. Bergdolt, G. Bergdolt, O. Bing, A. Bouchakour, F. Brochard, F. Hibou, **A. Moalem**, A. Taleb, M.P. Comets, P. Courtat, R.Gacougnolle, Y. le Bornec, E. Loireleux, F. Reide, B. Tatischeff, N. Willis, M. Boivin

"Total cross section of the  $pp \rightarrow pp\eta$  reaction near threshold"

Phys. Rev. **D48**, R2969-R2973, 1993.

44. G. Alexander, F. Anulli, D. Babusci, R. Baldini-Ferroli, M. Bassetti, S. Bellucci, I. Cohen, A. Courau, G. Giordano, G. Matone, **A. Moalem**, M.A.Moinester, G. Pancheri, M. Preger, L. Rasdolskaja, P. Sergio, P.Tini-Brunozzi and A. Zallo  
"Two-Photon Physics Capabilities of KLOE at DAΦNE"  
Il Nuovo Cimento **107**, 837-861, 1994.

45. **A. Moalem** and F. Meot  
"A Feasibility Study Of Toroidal Magnets For Eta Meson Rare Decays Into Charged Particles"  
Nucl. Inst. Meth. Phys. Research **A355**, 268-277, 1995.

46. **A. Moalem**, E. Gedalin, L. Rasdolskaja and Z. Shorer  
"Threshold Production Cross Section Of The  $pp \rightarrow pp\eta$  In Non-relativistic OBE Model"  
Nucl. Phys. **A589**, 649-659, 1995.

47. **A. Moalem**, E. Gedalin, L.Rasdolskaja and Z. Shorer  
"The  $NN \rightarrow NN\eta$  Reaction Close To Threshold"  
Nucl. Phys. **A600**, 445-460, 1996.

48. B. Mayer, A. Boudard, B. Fabbro, M. Garcon, C. Kerboul, J. Poitou, F. Wellers, E.Tomasi-Gustafsson, J. Saudinos, J. P. Mouly, R. Kessler, B.M. K. Nefkens, B. Tippens, A. van der Schaaf, R. Abegg, W. van Oers, W. Briscoe, A. Petrov, W. Jacobs and **A. Moalem**.  
"The  $pd \rightarrow {}^3\text{He}\eta$  Reaction Near Threshold"  
Phys. Rev. **C53**, 2068-2074, 1996.

49. E. Gedalin, **A. Moalem** and L.Rasdolskaja  
"A Covariant OBE Model for  $\eta$  Production in NN Collisions"  
Nucl. Phys. **A634**, (1998) 368-392.

50. F. Hibou, O. Bing, M. Boivin, P. Courtat, G. Falldt, R. Gacougnolle, Y. le Bornec, J. Martin, **A. Moalem**, F. Plouin, A. Taleb, B. Tatischeff, C. Wilkin, N. Willis, R. Wurzinger  
"Comparison of  $\eta$  and  $\eta'$  Production in the  $pp \rightarrow pp\eta(\eta')$  Reactions Near Threshold"  
Phys. Lett. **B438**, (1998) 41.

51. E. Gedalin, **A. Moalem** and L.Rasdolskaja  
"On the  $pp \rightarrow pp\eta(\eta')$  reactions near threshold"  
Nucl. Phys. **A650**, (1999) 471-482.

52. E. Gedalin, **A. Moalem** and L. Rasdolskaja  
"S-wave  $\pi^0$  Production In pp Collisions In A Covariant OBE Model"  
Nucl. Phys. **A652**, (1999) 287-307.
53. E. Gedalin, **A. Moalem** and L. Rasdolskaja  
" S-wave  $\pi^0$  Production In pp Collisions From Chiral Perturbation Theory  
Calculations With Loop Contributions"  
Phys. Rev. **C60**, (1999) 031001-1-5.
54. F. Hibou, A. M. Bergdolt, G. Bergdolt, O. Bing, M. Boivin, A. Bouchakour,  
F. Brochard, M. P. Combes-Comets, P. Courtat, R. Gacougnolle, Y. Le Bornec,  
**A. Moalem**, F. Plouin, F. Reide, B. Tatischeff, C. Wilkin, N. Willis  
"Near-threshold  $\eta$  production in the  $pd \rightarrow pd\eta$  reaction"  
Eur.Phys.J. A7 (2000) 537-541.
55. M. Adinolfi et al., " The KLOE trigger system"  
Nucl. Inst. Meth. **A461**, 465-469, 2001.
56. M. Adinolfi et al., " Calibration and reconstruction performances of the KLOE  
electromagnetic calorimeter"  
Nucl. Inst. Meth. **A461**, 344-347, 2001.
57. M. Adinolfi et al., " The KLOE drift chamber"  
Nucl. Inst. Meth. **A461**, 25-28, 2001.
58. E. Gedalin, **A. Moalem** and L. Razdolskaya  
"Pseudoscalar meson mixing in effective field theory"  
Phys. Rev. **D64**, 076007, 2001.
59. E. Gedalin, **A. Moalem** and L. Razdolskaya  
"Effective chiral theory for pseudoscalar and vector mesons"  
in "Meson and Light Nuclei", Edited by J. Adam, P. Bydzovsky, J. Mares, Vol.  
603, 241-244, 2001.
60. E. Gedalin, **A. Moalem** and L. Razdolskaya  
"Pseudoscalar meson mixing in effective field theory "  
in "Meson and Light Nuclei", Edited by J. Adam, P. Bydzovsky, J. Mares, Vol.  
603, 245-246, 2001.
64. M. Adinolfi, A. Aloisio, F. Ambrosing et al.  
The KLOE Drift Chamber VCI 2001  
Nucl. Inst. & Meth. **A478**, 138-141, 2002.

65. E. Gedalin, **A. Moalem** and L. Razdolskaya  
"On convergence of the  $\chi$ PT HFF expansion for one loop contribution to meson production in NN collisions" in "Meson and Light Nuclei", Edited by J. Adam, P. Bydzovsky, J. Mares, Vol. 603, 247-248, 2001.
67. E. Gedalin, **A. Moalem** and L. Razdolskaya  
"A Chiral Effective Field Theory for Pseudoscalar and Vector Mesons"  
hep-ph/0106301, and in Physical Review **D**.
68. E. Gedalin, **A. Moalem** and L. Razdolskaya  
"A Chiral Effective Field  $U_L(3)$  times  $U_R(3)$  Theory With Flavor and Nonet Symmetry Breaking  
Nucl. Phys. **A732**, 125-148, 2004.
69. E. Gedalin, **A. Moalem** and L. Razdolskaya  
"A Chiral Effective Field  $U_L(3)$  times  $U_R(3)$  Theory for Light Mesons  
Nucl. Phys. **A733**, 213-234, 2004.
70. Y. Zingerman, H. Golan, A. Gersten and **A. Moalem**  
"Lesson Detectability as a Function of Angular Range and Step in renal SPECT Studies"  
E. J. Nucl. Med. & Mol. Imaging, 31, S402-S402, 2004.
71. Y. Zingerman, H. Golan, A. Gersten and **A. Moalem**  
"A Compact CT/SPECT system for small-object imaging  
Nucl. Inst. Meth. **A584**, 135-148, 2008.
72. Y. Zingerman, H. Golan and **A. Moalem**  
"Spatial Linear Recovery Coefficients for Quantitative Evaluations in SPECT"  
Nucl. Inst. & Meth. **A602**, 607-613, 2009.
73. A. Gersten and **A. Moalem**  
"Maxwell equations, quantum physics, and the quantum graviton"  
Jour. Phys. Conference series 330 (2011) 012010.
74. A. Gersten and **A. Moalem**  
"Consistent quantization of massless fields of any spin"  
In press in proceeding of IRD 2012..

**PUBLISHED SCIENTIFIC REPORTS & TECHNICAL PAPERS**

73. F. Meot, **A. Moalem**, J.P. Penicaud, A. Tkatchenko and G. Leleux  
"Eta Decays Analysis with the Modified SPES II"  
p. 1-23, LNS/88-08, CEN-Saclay, 1988.

74. **A. Moalem**, F. Meot, J.P. Penicaud, A. Tkatchenko and G. Leleux  
"Modified SPES II for Studying Eta Decays at Saturne"  
p. 1-28, LNS/88-14, CEN-Saclay, 1988.

75. F. Meot and **A. Moalem**  
"A Toroidal Magnet for the Study of Rare Decays of the Eta Meson at The LNS"  
p. 1-46, LNS/GT/92-02, CEN-Saclay, 1992.

76. G. Alexander, F. Anulli, D. Babusci, R. Baldini-Ferroli, M. Bassetti, S. Bellucci, I. Cohen, A. Courau, G. Giordano, G. Matone, **A. Moalem**, M.A. Moinester, G. Pancheri, M. Preger, L. Rasdolskaja, P. Sergio, P. Tini-Brunozzi and A. Zallo  
"Two-Photon Physics Studies with KLOE at DAΦNE"  
p. 1-27, LNF-93/030(P), INFN, Frascati, 1993.

78. F. Anulli, R. Baldini-Ferroli, M. Bassetti, A. Courau, I. Cohen, **A. Moalem**, G. Pancheri, M. Preger, L. Rasdolskaja, P. Sergio and A. Zallo  
"Two Photon Interaction Measurements With The KLOE Small Angle Tagging System"  
p. 1-10, LNF-95/007(p).

79. The KLOE Collaboration  
"Status Of The KLOE Experiment"  
LNF-97/033(IR); Also in Proceeding of the XVIII International Symposium on Lepton Photon Interactions, Hamburg Germany, July 28, August 1, 1997.

## TEACHING

Many courses in Physics for Exact Sciences and Engineering students.

## OTHER TEACHING ACTIVITIES

Development of two eLearning courses for engineering students: Physics I (Newtonian Mechanics) & Physics II (Electromagnetism).