

## **PARTECIPAZIONI a CONVEGNI con ATTI di S.Oss**

1 Total absolute cross-section measurements for electron scattering on noble gases at intermediate energy. A.Zecca, R.Grisenti, S.Oss, G.Karwasz, R.S.Brusa XV ICPEAC, Brighton, UK, 1987. Abstract of contributed paper.

2 Total absolute cross section measurements for electron scattering on CO<sub>2</sub> and H<sub>2</sub>O molecules. C.Szmytkowski, A.Zecca, G.Karwasz, S.Oss, K.Maciag, B.Marincovic, R.S.Brusa, R.Grisenti XV ICPEAC, Brighton, UK, 1987. Abstract of contributed paper.

3 Use of a variable positron beam in the study of defects in solids. R.S.Brusa, A.Dupasquier, R.Grisenti, S.Liu, S.Oss, A.Zecca Aspetti strumentali nella caratterizzazione dei materiali: sviluppi e tendenze. Camerino, Italia, 1988

4 A new high resolution time spectrometer for life-time experiments. J.De Vries, A.Zecca, R.S.Brusa, R.Grisenti, S.Oss Aspetti strumentali nella caratterizzazione dei materiali: sviluppi e tendenze. Camerino, Italia, 1988

5 Misure di sezione d'urto totale assoluta su atomi e molecole ad energie intermedie. A.Zecca, S.Oss, R.Grisenti, R.S.Brusa VIII Convegno Annuale Settore Fisica Atomica e Molecolare, Maratea, Italia, 1988

6 Defect profiles in ion-implanted copper single-crystals. R.S.Brusa, A.Dupasquier, R.Grisenti, S.Liu, S.Oss, A.Zecca 8th International Conference on Positron Annihilation, Gent, Belgium, 1988

7 Fast timing with Hamamatsu R2083Q photomultiplier. J.De Vries, A.Zecca, R.S.Brusa, R.Grisenti, S.Oss 8th International Conference on Positron Annihilation, Gent, Belgium, 1988

8 Positron bound states in the proximity of two unpaired spin electrons. R.S.Brusa, A.Dupasquier, S.Oss 8th International Conference on Positron Annihilation, Gent, Belgium, 1988

9 Positron trapping in sintered YBCO. R.S.Brusa, A.Dupasquier, R.Grisenti, S.Liu, S.Oss, A.Zecca 8th International Conference on Positron Annihilation, Gent, Belgium, 1988

10 Total cross section for energy scattering on SO<sub>2</sub> molecule. A.Zecca, J.C.Nogueira, S.Oss, R.S.Brusa, R.Grisenti XVI ICPEAC, New York City, NY, 1989

11 New functional density operator for hydrogen-like atoms. S.Oss XVI ICPEAC, New York City, NY, 1989

12 Use of a variable-energy positron beam in the study of defects in solids. R.S.Brusa, A.Dupasquier, R.Grisenti, S.Liu, S.Oss, A.Zecca Vuoto, XIX (2), 114 (1989)

13 A new high resolution time spectrometer for positron lifetime experiments. J.De Vries, A.Zecca, R.S.Brusa, R.Grisenti, S.Oss Vuoto, XIX

(2), 116 (1989)

14 Overtone and combination spectra of triatomic molecules in the vibron model. S.Oss 45th Ohio State University Symposium on Molecular Spectroscopy, Columbus, OH, 1990

15 Algebraic Methods in molecular spectroscopy. S.Oss COMET XII, Nijmegen, NL, 1991

16 Vibrational spectroscopy of four-atomic molecules in the vibron model. N.Manini, S.Oss, L.Viola VIII SASP, Pampeago, Italia, 1992

17 Spectroscopy of polyatomic molecules in the vibron model. S.Oss XIII Congresso di Struttura della Materia, Fai della Paganella, Italia, 1992 (invited talk)

18 Use of simple algebraic methods for molecular spectroscopy problems. S.Oss International Workshop on Highly Excited Molecules, Telluride, CO, USA, 1992 (invited talk)

19 Simple algebraic methods for not very simple molecules. S.Oss Latsis Symposium, Intramolecular Kinetics and Reaction Dynamics, Zürich, CH, 1992 (invited talk)

20 Simple algebraic methods for molecular spectroscopy. S.Oss II Convegno Nazionale di Spettroscopia e Dinamica dei Processi Interstellari, Rovereto, Italia, 1993 (invited talk)

21 IVR processes in benzene: an algebraic description. S.Oss 7th European Workshop on Molecular Spectroscopy and Photon-Induced Dynamics, Maratea, Italia, 1993 (invited talk)

22 Algebraic study of benzene dimers. S.Oss IX SASP, Maria Alm, Austria, 1994

23 Benzene dimers in the algebraic formalism. S.Oss International Conference on Overtone Spectroscopy and Dynamics, Han sur Lesse, Belgio, 1994

24 Recent developments in algebraic molecular spectroscopy. S.Oss International Conference on Molecular Spectroscopy and Dynamics, Grainau, Germania, 1994

25 Algebraic models in molecular spectroscopy: past, present, which future? S.Oss X SASP, Engelberg, CH, 1996 (invited talk)

26 Algebraic Modeling of the pyrrole molecule S.Oss HighRes - 96, International Symposium on High Resolution Molecular Spectroscopy, St.Petersburg, Russia, 1996

27. Two-dimensional algebraic models for linear molecules. S.Oss International Workshop on Intramolecular Dynamics and

Spectroscopy, Telluride, CO, USA, 1996 (invited talk)

28. Recent advances in the two-dimensional approach to molecular spectroscopy problems: torsion-tunnel and large amplitude degrees of freedom. S.Oss Workshop on algebraic methods in molecular physics, Institute for Nuclear Theory, Seattle, WA, USA, 1999 (invited talk).

29. On new teaching techniques in high school physics classes. S.Oss Gordon Conference on Physics Research and Education: Thermal and Statistical Physics, Plymouth, NH, USA, 2000.

30. On new teaching techniques in high school physics classes. S.Oss GIREP 2000, SP, August 2000.

31. Insegnamento di Fisica Moderna: specializzazione dell'insegnante secondario S.Oss XL Congresso Nazionale AIF, Senigallia, Italia, 2001

32. Chairpersons, Secretaries, Members, Guest and Consultant S.Oss European Physics Education Network, 15th Executive Meeting, Gent, Belgium, 2001

33. Modern Physics Educational Project, GRC on Physics Research and Education S.Oss Mt. Holyoke College, South Hadley, MA, USA, June 2002

34. Learning Physics, Listening to Music: getting art and science in connection S.Oss GIREP 2002, "Physics in new fields and modern applications"; Lund, SE, August 2002 (oral contribution)

35. Application of algebraic models to the vibrational modes of n-paraffin molecules T.Marinkovic and S.Oss High resolution spectroscopy, Praha, CR, September 2002

36. Vibrational spectroscopy of simple molecular chains: an algebraic approach S.Oss High resolution spectroscopy, Praha, CR, September 2002 (invited talk)

37. Application of algebraic models to vibrations of n-alkanes S.Oss Symmetry in Nuclear Structure, Erice (TP), Italy, March 2003 (invited talk)

38. On modern physics teaching in high schools S.Oss GRC conference on science visualization techniques, Oxford, UK, July 2003

39. Modern and quantum physics teaching techniques T. Lopez-Arias and S.Oss GIREP 2003 seminar, Udine, Italy, September 2003

40. New educational tools provided by a scientific reading of music S.Oss Durban (SA), July 2004

41. Getting Science and Art in Connection: Can Physics and Music Be Brought Together to Provide Educational Tools? S. Oss EISTA 2004 – Orlando, FL, USA, July 2004

42. Sound of physics: "Ears-on" activities for middle school S. Oss EISTA 2005 – Orlando , FL, USA, July 2005
43. Teaching about Electrons, Atoms and Molecules: How and Why B. Danese, F. Logiurato, S. Defrancesco, L. Gratton, S. Oss, R. Guardini, R. Tarabelli, N. Capra 1st European Physics Education Conference, Bad Honnef, DR July 2005
44. Atomic Physics for Pupils: a Hands-On Lab B. Danese, F. Logiurato, S. Defrancesco, L. Gratton, S. Oss, R. Guardini, R. Tarabelli, N. Capra 3rd International GIREP Seminar, Lubiana, SLO Septembter 2005
45. Laser Light through the Fog F. Logiurato, B. Danese, L. Gratton, S. Defrancesco, S. Oss 3rd International GIREP Seminar, Lubiana, SLO Septembter 2005
46. I Giochi di Einstein – Playing with Einstein S. Oss, G. Gratton, S. Defrancesco, F. Logiurato, B. Danese, C. Lavarian, L. Del Longo, M. Grifò, R. Guardini, M. Lanzinger 3rd International GIREP Seminar, Lubiana, SLO Septembter 2005
47. Giochi di fisica per (non solo) fisici S.Oss ComunicareFisica 2005 - Frascati, LNF-INFN, Italy, October 2005 (invited plenary)
48. Physics and music: bringing together science and art S.Oss 11th Workshop on Multimedia in Physics Teaching and Learning - Szeged, HU, September 2006 (invited plenary)
49. Logiurato F., Danese B., Oss S., Gratton L., "Light lectures on light". In: Toward development of physics for all: international conference on physics education 2006: ICPE , Tokyo:Physics education society of Japan, 2007. Atti del convegno: "ICPE", Tokyo, 13-18 August 2006
50. Oss S., Danese B., Gratton L., Logiurato F., "Motion & electromagnetism for 12 and 13 @ school". In: Toward development of physics for all: inaternational conference on physics education 2006 , Tokyo:Physical education society of Japan, 2007. Atti del convegno: "ICPE", Tokyo, 13-18 August 2006
51. Oss S., Danese B., Romano A., "Science on the schoolbench with simple objects". In: Frontiers of physics education, Opatija-Croatia:EPS, 2008. Atti del convegno: "GIREP-EPEC 2007", Opatija, Croatia, 26-31 August 2007
52. Tarsitani C., Oss S., Logiurato F., "Particles and waves: from classical to quantum physics". Contributo a "International conference in physics education 2007", Marrakech, 11-16 November 2007
53. Oss S., "Computer with wings: flight simulators and the physics of flight". Oral contribution: "GIREP-MPTL 2008", Nicosia, Cyprus, 20-25 August 2008

54. Oss S. Lopez-Arias T., Gratton L.M., "Towards the true physics of flight at school", Oral contribution: "International Conference in Physics Education 2009", Bangkok, Thailand, 18-24 October 2009

55. Giuliano Zendri Luigi M. Gratton Teresa López-Arias S. Oss, "Flying with the right principles at hand: an interactive lab to understand the physical origin of lift", special interactive invited poster, MPTL-13, Udine, 23-27 settembre 2009

56. S.Oss, "Il nuovo centro della scienza di Trento. Quali fisica raccontare?", relazione su invito, XCVI Congresso Nazionale SIF 2010, Bologna, 20-24 Ottobre 2010.

57. S.Oss "Physics of flight", IV Ogólnopolskie Seminarium „Komputer w Szkolnym Laboratorium Przyrodniczym” - Conferenza inaugurale su invito - Torun -PL, 1 dicembre 2011

58. S.Oss "Physics on I-Pad", IV Ogólnopolskie Seminarium „Komputer w Szkolnym Laboratorium Przyrodniczym” - invited lecture - Torun -PL, 2 dicembre 2011

59. A. Stefanel, M. Michelini, A. Altamore, M. Bochicchio, A. Bonanno, F. Corni, A. De Ambrosis, F. Fabbri, M. Fasano, M. Giliberti, O. Levrini, P.Magnoler, R.M. Mineo Sperandeo, G. Ottaviani, S. Oss, M. Peressi, G.Rinaudo, L. Santi, R. Stella "The Italian project IDIFO3 (Innovazione Didattica in Fisica e Orientamento)" - The World Conference in Physics Education 2012 - Istanbul, Tk, 1-6 Luglio 2012

60. Balzano E., De Ambrosis A., Levrini O., Michelini M., Oss S., Sperandeo-Mineo R.M. "TAVOLA ROTONDA: Formazione degli insegnanti in fisica: stato dell'arte, indicazioni europee, aspetti d'innovazione, problemi aperti e linee di ricerca future". XCVIII Congresso Nazionale SIF 2012, Napoli, 17-21 Settembre 2012