

# Publication List : P.R. Page (November 2004)

## ARTICLES IN REFEREED JOURNALS

1. Page, P.R. (2004): **Selection rules for  $J^{PC}$  Exotic Hybrid Meson Decay in Large- $N_c$ .** *Physical Review* **D70** 016004.
2. Close, F.E. and Page, P.R. (2004) : **The  $D^{*0}\bar{D}^0$  Threshold Resonance.** *Physics Letters* **B578** 119-123.
3. Capstick, S., Page, P.R. and Roberts, W. (2003) : **Interpretation of the  $\Theta^+$  as an Isotensor Pentaquark with Weakly Decaying Partners.** *Physics Letters* **B570** 185-190.
4. Barnes, T., Black, N. and Page, P.R. (2003) : **Strong Decays of Strange Quarkonia.** *Physical Review* **D68** 054014.
5. Page, P.R. and Capstick, S. (2003) : **The Anomalous Suppression of  $\pi_2(1670) \rightarrow b_1\pi$ .** *Physics Letters* **B566** 108-114.
6. Capstick, S. and Page, P.R. (2002) : **Hybrid and Conventional Baryons in the Flux-Tube Model.** *Physical Review* **C66** 065204.
7. Zhang, R., Ding, Y.-B., Li, X.-Q. and Page, P.R. (2002) : **Molecular States and  $1^{-+}$  Exotic Mesons.** *Physical Review* **D65** 096005.
8. Page, P.R. (2001) : **Filter for Strangeness in  $J^{PC}$  Exotic Four-quark States.** *European Physical Journal* **C22** 165-170.
9. Page, P.R. (2001) : **(Field) Symmetrization Selection Rules.** *Physical Review* **D64** 056009.
10. Page, P.R., Goldman, T. and Ginocchio, J.N. (2001) : **Relativistic Symmetry Suppresses Quark Spin-Orbit Splitting.** *Physical Review Letters* **86** 204-207.
11. Burakovsky, L. and Page, P.R. (2000) : **Filtering Overpopulated Isoscalar Tensor States with Mass Relations.** *Physical Review* **D62** 014011.
12. Burakovsky, L. and Page, P.R. (2000) : **Tensor Glueball-Meson Mixing Phenomenology.** *European Physical Journal* **C12** 489-498.
13. Burakovsky, L., Goldman, T. and Page, P.R. (1999) : **Generalized Schwinger Mass Formula.** *Physics Letters* **B467** 255-262.
14. Capstick, S. and Page, P.R. (1999) : **Constructing Hybrid Baryons with Flux-Tubes.** *Physical Review* **D60** 111501.
15. Page, P.R. (1999) : **Interpretation of D(2637) from Heavy Quark Symmetry.** *Physical Review* **D60** 057501.
16. Page, P.R., Swanson, E.S. and Szczepaniak, A.P. (1999) : **Hybrid Meson Decay Phenomenology.** *Physical Review* **D59** 034016.
17. Burakovsky, L. and Page, P.R. (1999) : **Scalar Glueball Mixing and Decay.** *Physical Review* **D59** 014022. Erratum *ibid.* **D59** 079902.
18. Donnachie, A. and Page, P.R. (1998) : **Interpretation of Experimental  $J^{PC} = 1^{-+}$  Signals.** *Physical Review* **D58** 114012.
19. Afanasev, A. and Page, P.R. (1998) : **Photo- and Electroproduction of  $J^{PC} = 1^{-+}$  Exotics.** *Physical Review* **D57** 6771-6777.
20. Close, F.E., Duniety, I., Page, P.R., Veseli, S. and Yamamoto, H. (1998) : **Gluonic Hadrons and Charmless B Decays.** *Physical Review* **D57** 5653-5657.
21. Page, P.R. (1998) : **Implications of a  $J^{PC}$  Exotic.** *Physics Letters* **B415** 205-210.
22. Li, X.-Q. and Page, P.R. (1998) : **Gluonic Mesons in  $J/\psi$  Radiative Decay.** *European Physical Journal* **C 1** 579-583.

23. Close, F.E. and Page, P.R. (1997) : **Distinguishing Hybrids from Radial Quarkonia.** *Physical Review* **D56** 1584–1588.
24. Page, P.R. (1997) : **Why Hybrid Meson Coupling to Two S-wave Mesons is Suppressed.** *Physics Letters* **B402** 183–188.
25. Barnes, T., Close, F.E., Page, P.R. and Swanson, E.S. (1997) : **Higher Quarkonia.** *Physical Review* **D55** 4157–4188.
26. Page, P.R. (1997) : **Symmetrization Selection Rules.** *Physics Letters* **B401** 313–320.
27. Page, P.R. (1997) : **Two Photon Couplings of Hybrid Mesons.** *Nuclear Physics* **B495** 268–282.
28. Close, F.E. and Page, P.R. (1995) : **Do  $\psi(4040)$ ,  $\psi(4160)$  Signal Hybrid Charmonium?** *Physics Letters* **B366** 323–328.
29. Page, P.R. (1995) : **Excited Charmonium Decays by Flux–Tube Breaking and the  $\psi'$  Anomaly at CDF.** *Nuclear Physics* **B446** 189–207.
30. Close, F.E. and Page, P.R. (1995) : **The Photoproduction of Hybrid Mesons from CEBAF to DESY HERA.** *Physics Review* **D52** 1706–1709.
31. Close, F.E. and Page, P.R. (1995) : **The Production and Decay of Hybrid Mesons by Flux-Tube Breaking.** *Nuclear Physics* **B443** 233–256.
32. Page, P.R., Lindebaum, R.J. and Viollier, R.D. (1993) : **The Vector and Axial Vector Coupling Constants of the Nucleon in Cavity QCD to Order  $\alpha_S$ .** *Nuclear Physics* **A560** 1003–1013.

#### NON–JOURNAL PUBLICATIONS

33. Close, F.E. and Page, P.R. (1998) : **Glueballs.** *Scientific American*, pp. 52–57 (November 1998).

#### INVITED TALKS AT CONFERENCES AND SUMMER SCHOOLS

34. Page, P.R. (2004) : **Hybrid and Conventional Baryons in the Flux-Tube Model and Quark Models.** Plenary talk at “10<sup>th</sup> International Symposium on Meson-Nucleon Physics and the Structure of the Nucleon” (MENU 2004), 29 August – 4 September, Beijing, China. Preprint nucl-th/0410084.
35. Page, P.R. (2002) : **Hybrid Baryons.** Plenary talk at “9<sup>th</sup> International Conference on the Structure of Baryons” (BARYONS 2002), 3–8 March, Newport News, VA. Preprint nucl-th/0204031.
36. Page, P.R. (2001) : **A Relativistic Spin Symmetry in Heavy–Light Quark Mesons.** Talk at “April Meeting of the American Physical Society”, 28 April – 1 May, Washington D.C.
37. Page, P.R. (2000) : **Hadron Structure and Modern Spectroscopy.** Proceedings of “Advanced School on Quantum Chromodynamics” (QCD 2000), 3–6 July, Benasque, Spain, eds. Peris, S. and Vento, V., pp. 151–174, Universitat Autònoma de Barcelona, 2001. Preprint hep-ph/0009135.
38. Page, P.R. (1999) : **Glueballs’ Millennium Finale.** Talk at “15<sup>th</sup> International Conference on Particles and Nuclei” (PANIC ’99), 10–16 June, Uppsala, Sweden. *Nuclear Physics* **A663** (2000) 585–591.
39. Page, P.R. (1998) : **(Hybrid) Baryons: Symmetries and Masses.** Proceedings of “Nuclear and Particle Physics with CEBAF at Jefferson Lab”, 3–10 November, Dubrovnik, Croatia. *Fizika* **B8** (1999) 363–370. Preprint nucl-th/9904044.
40. Page, P.R. (1998) : **Glueballs in Mesons.** Proceedings of “Workshop on Production, Properties and Interaction of Mesons” (MESON’98), 30 May – 2 June, Cracow, Poland. *Acta Physica Polonica* **B29** 3387. Preprint hep-ph/9806233.
41. Page, P.R. (1997) : **Glueballs in Mesons.** Talk at “Fall Meeting of the Division of Nuclear Physics of the American Physical Society” (DNP97), 5–8 October, Whistler, Canada.

42. Page, P.R. (1995) : **Decay and Production of Flux–Tube Excitations in Mesons**. Lectures in Proceedings of “Hadron Spectroscopy and the Confinement Problem”, 26 June – 7 July, Swansea, U.K., ed. Bugg, D.V., pp. 285–293, Plenum Press, 1996.

#### INVITED TALKS AT WORKSHOPS

43. Page, P.R. (2004): **Hybrids, Molecules and Pentaquarks**. Invited talk at “Workshop on Heavy Quark and Exotics Spectroscopy”, 10–11 May, Menlo Park, CA.
44. Meyer, C.A., Page, P.R. and Workman, R. (2003) :  **$\Theta^+$  Properties (Spin, Isospin, Parity, Width) and how to Determine Them**. Summary talk for Focus Group A at “Penta-Quark 2003 Workshop”, 6–8 November, Newport News, VA.
45. Page, P.R. (2003) : **Scalar glueball-meson mixing**. High Energy Physics Workshop, Scalar Mesons: An Interesting Puzzle for QCD, 16–18 May, Utica, NY. To be published by the American Physical Society.
46. Page, P.R. (2003) : **Selection rules for  $J^{PC}$  Exotic Hybrid Meson Decay in Large- $N_c$** . Workshop on Gluonic Excitations, 14–16 May, Newport News, VA. To be published by World Scientific.
47. Page, P.R. (2000) : **Multi-GeV Gluonic Mesons**. Proceedings of “Workshop on a Low–Energy  $\bar{p}$  Storage Ring”, 3–5 August, Chicago, IL, pp. 55–63. Preprint hep-ph/0107016.
48. Page, P.R. (1998) : **Using Photons to Prepare an Excited Chromo–Electric String**. Talk at “Physics with Polarized Photons”, 16–17 October 1998, El Paso, TX.
49. Page, P.R. (1997) : **Photo– and Electroproduction of Hybrids**. Proceedings of “Workshop on Hybrids and Photoproduction Physics”, 13–15 November, Raleigh, NC, pp. 589–607.
50. Page, P.R. (1997) : **Hybrids**. Proceedings of “Workshop on Physics with 8+ GeV Photons”, 14–15 July, Bloomington, IN.

#### CONTRIBUTED TALKS AT CONFERENCES

51. Page, P.R. (2003) : **The Isotensor Pentaquark**. Talk at “X International Conference on Hadron Spectroscopy” (HADRON ’03), 31 Aug. – 6 Sept., Aschaffenburg, Germany. Preprint hep-ph/0310200.
52. Page, P.R. (2003) : **Large- $N_c$  Selection Rules for Decay of  $J^{PC}$  Exotic Hybrid Mesons**. Talk at “Conference on the Intersections of Particle and Nuclear Physics” (CIPANP 2003), 19–24 May, New York, NY. To be published by the American Institute of Physics. To be published.
53. Page, P.R. (2002) : **The Anomalous Suppression of  $\pi_2(1670) \rightarrow b_1\pi$** . Talk at “XVI International Conference on Particles and Nuclei” (PANIC02), 30 Sept. – 4 Oct., Osaka, Japan. To be published by Elsevier Scientific Publishers.
54. Page, P.R. (2002) : **Multi-Gluon Dissociation of Quarkonia in Ultrarelativistic Heavy Ion Collisions**. Talk at “Lightcone 2002”, 5–9 Aug., Los Alamos, NM.
55. Zhang, R., Ding, Y.-B., Li, X.-Q. and Page, P.R. (2002) : **Molecular States and Exotic Mesons**. Talk at “April Meeting of the American Physical Society”, 20–23 April, Albuquerque, NM. *Bulletin of the American Physical Society* **47** 2 (2002) 166.
56. Page, P.R. (2000) : **(Field) Symmetrization Selection Rules**. Talk at “The Meeting of the Division of Particles and Fields of the American Physical Society” (DPF2000), 9–12 August, Columbus, OH. *International Journal of Modern Physics A* **16S1C** (2001) 1216–1218.
57. Page, P.R. (2000) : **Interpretation of  $D(2637)$  from Heavy Quark Symmetry**. Talk at DPF2000, see above. *International Journal of Modern Physics A* **16S1B** (2001) 480–482.
58. Burakovsky, L. and Page, P.R. (2000) : **Pseudovector Mesons, Hybrids and Glueballs**. Proceedings of “7<sup>th</sup> Conference on the Intersections of Particle and Nuclear Physics” (CIPANP 2000), 22–28 May, Quebec City, Canada, eds. Parsa, Z. and Marciano, W.J., pp. 249–254, American Institute of Physics, 2000. Preprint hep-ph/0007199.

59. Page, P.R. (2000) : **Pseudospin Symmetry in Nuclei, Spin Symmetry in Hadrons.** Talk at CIPANP 2000, see above, pp. 471–474.
60. Page, P.R. (2000) : **(Field) Symmetrization Selection Rules.** Proceedings of 4<sup>th</sup> Workshop on Continuous Advances in QCD”, 12–14 May, Minneapolis, MN, ed. Voloshin, M.B., pp. 162–171, World Scientific, 2001.
61. Page, P.R. (2000) : **Hybrid Baryon Signatures.** Proceedings of “The Physics of Excited Nucleons” (NSTAR2000), 16–19 February, Newport News, VA, eds. Burkert, V.D., Elouadrhiri, L., Kelly, J.J. and Minehart, R.C., pp. 171–178, World Scientific, 2001. Preprint nucl-th/0004053.
62. Page, P.R. (1998) : **Scalar Glueball Mixing and Decay.** Talk at “Fall Meeting of the Division of Nuclear Physics of the American Physical Society” (DNP98), 28–31 October, Santa Fe, NM.
63. Donnachie, A. and Page, P.R. (1998) : **The 1.4 GeV  $J^{PC} = 1^{-+}$  State as an Interference of a Non-Resonant Background and a Resonance at 1.6 GeV.** Proceedings of “29<sup>th</sup> International Conference on High-Energy Physics” (ICHEP’98), 23–29 July, Vancouver, Canada, eds. Astbury, A., Axen, D. and Robinson, J., Vol. 2, pp. 1277–1281, World Scientific, 1999. Preprint hep-ph/9807433.
64. Page, P.R. (1998) : **(Hybrid) Baryons: Quantum Numbers and Adiabatic Potentials.** Proceedings of “3<sup>rd</sup> International Conference on Quark Confinement and Hadron Spectrum” (Confinement III), 7–12 June, Newport News, VA, ed. Isgur, N., pp. 291–294, World Scientific, 2000. Preprint nucl-th/9904043.
65. Page, P.R. (1997) : **(Hybrid) Baryons in the Flux-Tube Model.** Proceedings of “Seventh International Conference on Hadron Spectroscopy” (HADRON ’97), 25–30 August 1997, Upton, N.Y., eds. Chung, S.-U. and Willutzki, H.J., pp. 553–556, American Institute of Physics, 1998. Preprint nucl-th/9904042.
66. Page, P.R. (1997) : **Strong Decays of Hybrid Mesons from the Heavy Quark Expansion of QCD.** Talk at HADRON ’97, see above, pp. 121–124. Preprint hep-ph/9711241.
67. Page, P.R. (1996) : **Have Gluonic Excitations been Found?.** Proceedings of “14<sup>th</sup> International Conference on Particles and Nuclei” (PANIC’96), 22–28 May 1996, Williamsburg, VA, eds. Carlson, C.E. and Domingo, J.J., pp. 500–501, World Scientific, 1997. Preprint hep-ph/9607476.
68. Page, P.R. (1995) : **Hybrids : Dynamics and Disguises.** Proceedings of “Sixth International Conference on Hadron Spectroscopy” (HADRON ’95), 10–14 July 1995, Manchester, U.K., eds. Birse, M.C. *et al.*, pp. 515–517, World Scientific, 1996. Preprint hep-ph/9509419.
69. Page, P.R. (1995) : **Gluonic Excitations in Heavy Mesons and their Decays by Flux-Tube Breaking.** Proceedings of “Quark Confinement and the Hadron Spectrum”, eds. Brambilla, N. and Prosperi, G.M., pp. 334–336, World Scientific, 1995. Preprint hep-ph/9410323.

#### CONTRIBUTED POSTERS AT CONFERENCES

70. Page, P.R., Hale, G.M. (2004) :  **$^8\text{Be}$  Nuclear Data Evaluation.** Proceedings of “International Conference on Nuclear Data for Science and Technology” (ND2004), 26 September - 1 October, Santa Fe, NM. Preprint nucl-th/0410090.
71. Hale, G.M., Page, P.R. and Carlson, J.A. (2003) : **Data for the Thermonuclear Reactions.** “Nuclear Explosive Design Physics Conference”, 20–24 Oct., Los Alamos, NM.
72. Page, P.R. (2003) : **Resonance Structure of  $^8\text{Be}$  from R-matrix analysis.** “17<sup>th</sup> International IUPAP Conference on Few-Body Problems in Physics” (FB17), 5–10 June, Durham, NC.
73. Page, P.R. (2002) : **Which Dynamical Symmetries does the Dirac Equation have?** “International Conference on Nuclear Structure”, 22–25 May, Grand Teton National Park, WY, eds. Arahamian, A. *et al.*, pp. 251–252, American Institute of Physics, 2002.

#### CITATIONS

Nine of my published journal articles are cited, and three tables of predictions copied, in the *Reviews of Modern Physics* review article “Light Meson Spectroscopy” by S. Godfrey and J. Napolitano. Three publications have more than 50 citations on SPIRES-HEP (e.g. publication 3 in 2003).