

Lucas Taylor

Publications in the area of Invited papers at international conferences

- [1] L. Taylor, Data Analysis and Visualisation (plenary talk summarising this session), in *Proceedings of Computing in High Energy (CHEP 2001)*, edited by H.S. Chen, Beijing, 3-7 Sept 2001, Science Press, Beijing/New York.
- [2] L. Taylor et al., CMS Requirements for the Grid, in *Proceedings of Computing in High Energy (CHEP 2001)*, edited by H.S. Chen, Beijing, 3-7 Sept 2001, Science Press, Beijing/New York.
- [3] G. Alverson, I. Osborne, L. Taylor, and L. Tuura, A Coherent and Non-Invasive Open Analysis Architecture and Framework with Applications in CMS, in *Proceedings of Computing in High Energy (CHEP 2001)*, edited by H.S. Chen, Beijing, 3-7 Sept 2001, Science Press, Beijing/New York.
- [4] G. Alverson, I. Osborne, L. Taylor, and L. Tuura, The IGUANA Interactive Graphics Toolkit with Examples from CMS and D0, in *Proceedings of Computing in High Energy (CHEP 2001)*, edited by H.S. Chen, Beijing, 3-7 Sept 2001, Science Press, Beijing/New York.
- [5] L. Tuura and L. Taylor, Ignominy: a Tool for Software Dependency and Metric Analysis with Examples from Large HEP Packages, in *Proceedings of Computing in High Energy (CHEP 2001)*, edited by H.S. Chen, Beijing, 3-7 Sept 2001, Science Press, Beijing/New York.
- [6] G. Alverson, L. Taylor et al., Summary of the HEPVis 01 Workshop, in *Proceedings of Computing in High Energy (CHEP 2001)*, edited by H.S. Chen, Beijing, 3-7 Sept 2001, Science Press, Beijing/New York.
- [7] L. A. Anchordoqui et al., Simulation of water Cerenkov detectors using GEANT4, *Nucl. Phys. Proc. Suppl.* **97**, 196–198 (2001).
- [8] L. Taylor, Object oriented graphical user interface toolkits: Qt, in *Proceedings of the HEPVIS99 Workshop*, edited by G. Barrand, LAL-Orsay, France, 6-9 September 1999.
- [9] G. Alverson, I. Gaponenko, and L. Taylor, IGUANA: Interactive graphical user analysis, in *Proceedings of the HEPVIS99 Workshop*, edited by G. Barrand, LAL-Orsay, France, 6-9 September 1999.

- [10] G. Alverson, I. Gaponenko, T. Paul, and L. Taylor, Development of HEPVis library based applications for 3 different experiments: L3, CMS and D0, in *Proceedings of the HEPVIS99 Workshop*, edited by G. Barrand, LAL-Orsay, France, 6-9 September 1999.
- [11] M.T. Dova, J. Swain and L. Taylor, Sensitivities of one-prong tau branching fractions to tau neutrino mass, mixing, and anomalous charged current couplings, in *Invited talk at the Tau-Charm Workshop*, SLAC, Stanford, USA, 6-9 March 1999, hep-ph/9903430.
- [12] M. T. Dova, H. Fanchiotti, C. A. Garcia-Canal, L. N. Epele, S. J. Sciutto, J. Swain, and L. Taylor, Monte Carlo Modelling of Radio Emission from Extensive Air Showers, in *Proceedings of the 26th International Cosmic Ray Conference*, edited by D. Kieda, M. Salamon and B. Dingus, volume 1, page 514, Salt Lake City, USA, 17-25 August 1999.
- [13] L. Taylor et al., US-ATLAS and US-CMS Software and Computing Plans for 1999, Invited presentation to US Department of Energy and National Science Foundation, Washington DC, 4 Nov 1998.
- [14] J. Bunn, H. Newman and L. Taylor, CMS Participation in Common Software and Computing Projects, Invited presentation to US Department of Energy and National Science Foundation, Washington DC, 26 October 1998.
- [15] L. Taylor, Anomalous magnetic and electric dipole moments of the tau, in *Proceedings of TAU'98*, edited by A. Pich Zardoya and A. Ruiz Jimeno, Santander, 14-17 Sept 1998, Nucl. Phys. B (Proc. Suppl.) 76 (1999) 237-244.
- [16] M.T. Dova, J. Swain, L. Taylor, Constraints on anomalous charged current couplings, tau- neutrino mass and fourth generation mixing from tau leptonic branching fractions, in *Proceedings of TAU'98*, edited by A. Pich Zardoya and A. Ruiz Jimeno, Santander, 14-17 Sept 1998, Nucl. Phys. B (Proc. Suppl.) 76 (1999) 133-138.
- [17] L. Taylor and D.O. Williams, On the Use of Satellite Television in High Energy Physics, in *Proceedings of the International Conference on Computing in High-Energy Physics (CHEP'98)*, Chicago, Aug 31 - Sept 4 1998.
- [18] G. Barrand et al., Status of the HEPVis Class Library, in *Proceedings of the International Conference on Computing in High-Energy Physics (CHEP'98)*, Chicago, Aug 31 - Sept 4 1998.
- [19] H. Newman and L. Taylor, New Computing Challenges for US High Energy Physics (White Paper on US-CMS Software and Computing), Invited presentation to US Department of Energy and National Science Foundation, Washington DC, 11 Aug 1998.
- [20] J. Swain and L. Taylor, First determination of the quark mixing matrix element V_{tb} from electroweak corrections to Z decays and implications for CKM matrix unitarity, in *Proceedings of the 6th International Symposium on Particles, Strings and Cosmology (PASCOS 98)*, Boston, 22-27 Mar 1998.
- [21] S. Gau, T. Paul, J. Swain and L. Taylor, Anomalous electromagnetic moments of the tau lepton, in *Proceedings of the 6th International Symposium on Particles, Strings and Cosmology (PASCOS 98)*, Boston, 22-27 Mar 1998.

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- [23] G. Alverson and L. Taylor, The CMS Event Display (CMSCAN Classic), in *Proceedings of the HEPVIS98 Workshop*, edited by A. Johnson, Stanford Linear Accelerator Center, Stanford, 28-30 January 1998.
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- [37] L. Taylor and C. Vandoni (Editors), in *Proceedings of the HEPVIS 96 Workshop*, CERN, Geneva, Switzerland, 2-4 September 1996, CERN/97-01 (Yellow Report).
- [38] L. Taylor, Interactive Graphics for the CMS Experiment at the LHC, in *Proceedings of the International Conference on Computing in High Energy Physics '95*, edited by R. Shellard and T. Nguyen, Rio de Janeiro, Brazil, 18-22 September 1995, World Scientific, Singapore.
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- [40] L. Taylor, CMSCAN - The CMS Event Display Program, in *Proceedings of the HEPVIS 95 Workshop*, Fermi National Accelerator Center, Batavia, Illinois, 7-9 August 1995.
- [41] L. Taylor, B Physics at LEP, Universidad Nacional de La Plata, La Plata, Argentina, 25 September 1995.
- [42] L. Taylor, B Physics at LEP, in *Proceedings of the 1st International High Energy Physics (Four Seas) Conference, 1995*, edited by A. Gougas, Y. Lemoigne, M. Pepe-Altarelli, P. Petroff and C. Wulz, I.C.T.P., Trieste, Italy, June 1997, CERN/97-06 (Yellow Report).
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