

Biographical Sketch: Daniel Whiteson

Education/Employment

University of California, Irvine Assistant Professor, Department of Physics & Astronomy	2007-
University of Pennsylvania Postdoctoral Research Fellow, CDF experiment	2003-2007
University of California, Berkeley Ph.D. Physics, D0 experiment	1998-2003
Niels Bohr Institute, University of Copenhagen Fulbright Fellow, DELPHI experiment	1997-1998
Rice University B.A. Physics, Computer Science	1993-1997

Selected Publications

- “Search for the associated production of the standard model Higgs boson in the all-hadronic channel”, *submitted to Phys. Rev. Lett* (2009)
- “Machine learning for event selection in high energy physics” , *Engineering Applications of Artificial Intelligence* (2009)
- “Search for maximal flavor violating scalars in same-charge lepton pairs in $p\bar{p}$ collisions at $\sqrt{s} = 1.96$ TeV”, *Physical Review Letters* 2009
- “Top quark mass measurement with dilepton events using neuro-evolution”, *Physical Review Letters* 2009
- “Tevatron signatures of MxFV models”, *Physical Review D* 2008
- “Probing the Standard Model with Dilepton Events”, *Modern Physics Letters A - Vol. 22, No. 38*, 2007
- “Stochastic Optimization for Event Selection in Top Quark Mass Measurement”, *International Applications of Artificial Intelligence*, 2007
- “Top quark mass measurement from dilepton events at CDF II”, *Phys. Rev. Lett* 96, 152002 (2006)

Outreach/Community Activities

UC Irvine Physics Department, Graduate Education Committee
Fermilab Colloquium Committee
Tevatron University Dean
University of Chicago Lab School, substitute physics teacher
Liquid Nitrogen Demonstrations, Chicago area elementary schools