Jodi Lamoureux

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Physics Education:

Ph.D. University of Wisconsin, Madison, WI. (December 1993)
Advisor: Prof. Duncan Carlsmith
Thesis: *Direct $b\bar{b}$ Production in $p\bar{p}$ Collisions at* 1.8 *TeV.*

M.S. University of Wisconsin, Madison, WI. (May 1988)

B.A. Harvey Mudd College, Claremont, CA. (May 1985)

Professional Experience:

Oct 2001-current: **Staff Scientist**, Computational Research Division, Lawrence Berkeley National Laboratory - Gravitational lensing simulations. Supernova/Acceleration Probe (SNAP) collaborator.

Nov 1998-Oct 2001: **Postdoctoral Research Assistant**, Physics Division & National Energy Research Scientific Computing Center, Lawrence Berkeley National Laboratory - Working with Prof. George Smoot. Focus on calculating detection rates of astrophysical neutrinos. Antarctic Muon and Neutrino Detector Array (AMANDA & IceCube) collaborator.

Feb 1994-Nov 1998: **Postdoctoral Research Assistant**, Brandeis University - QCD cross section measurements. Collider Detector at Fermilab (CDF) collaborator.

1988-1993: **Research Assistant**, University of Wisconsin - Madison

1986-1988: **Teaching Assistant**, University of Wisconsin - Madison

1985-1986: **Research Assistant**, Los Alamos National Laboratory

Honors &Awards:

Co-coordinator of QCD research for the Collider Detector at Fermilab (CDF) (1998).

Fock Award for Senior Research, Harvey Mudd College (1985).

Publications:

1. G. Aldering, et al.; "Supernova/Acceleration Probe: A Satellite Experiment to Study the Nature of Dark Energy"; astro-ph/0405232.
2. A. Kim, et al.; "Wide-Field Surveys from the SNAP Mission"; SPIE Proceedings Vol. 4836. (astro-ph/0210077)
3. J. Rhodes, et al.; "Weak Lensing from Space I: Prospects for the Supernova Acceleration Probe"; astro-ph/0304417, submitted to Astrophysical Journal.
4. J. Ahrens et al. (AMANDA Collaboration) "Limits on diffuse fluxes of high energy extraterrestrial neutrinos with the AMANDA B-10 detector"; Physical Review Letters, 90 251101 (2003).
5. I.F. M. Albuquerque, J. Lamoureux, and G. F. Smoot; "Neutrino Telescopes' Sensitivity to Dark Matter"; hep-ph/0204301; Physical Review D, 66, 125006 (2002).
6. I.F. M. Albuquerque, J. Lamoureux, and G. F. Smoot; "Astrophysical Neutrino Event Rates and Sensitivity for Neutrino Telescopes"; Astrophysical Journal Supplement Series, **141**, 195, 2002.
7. J. Ahrens et al. (AMANDA Collaboration) "Observation of High Energy Atmospheric Neutrinos with Antartic Muon and Neutrino Detector Array"; Physical Review D, 66, 012005 (2002). (astro-ph/0205109)
8. J. Ahrens et al. (AMANDA Collaboration) "Limits to the muon flux from WIMP annihilation in the center of the Earth with the AMANDA Detector"; Physical Review D, 66, 032006 (2002). (astro-ph/0202370)
9. J. Ahrens et al. (AMANDA Collaboration) "Search for Neutrino-Induced Cascades with the AMANDA Detector"; Physical Review D, 67 012003 (2003). (astro-ph/0206487)
10. J. Ahrens et al. (AMANDA Collaboration) "Search for Supernova Neutrino Bursts with the AMANDA Detector"; Astropart. Phys. 345-359, July 2002.
11. F. Abe et al.(CDF Collaboration); "Properties of Photon Plus Two Jet events in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV"; Physical Review D57: 1359-1365, 1998.
12. F. Abe et al.(CDF Collaboration); "Double Parton Scattering in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV"; Physical Review D56:3811-3832,1997.
13. J.Lamoureux; "Recent Results in High E_T Jet Production"; Proceedings of the Physics in Collision Conference; June 1996; FERMILAB-CONF-97-017-E.
14. J. Lamoureux; "Photon Production at CDF and D0"; Proceedings of the 10th Topical Workshop on Proton-Antiproton Collider Physics; May 1995; FERMILAB-CONF-95-174-E.
15. J. Lamoureux; "Prompt and Diphoton Production at the Tevatron Collider"; Proceedings of the Recontres de Moriond on High Energy Physics; March 1995; FERMILAB-CONF-95-115-E.
16. F. Abe et al.(CDF Collaboration); "Observation of Top Quark Production in $\bar{p}p$ Collisions"; Physical Review Letters 74:2626-2631,1995.
17. F. Abe et al.(CDF Collaboration); "Evidence for Top Quark Production in $\bar{p}p$ Collisions at $\sqrt{s} = 1.8$ TeV"; Physical Review D50:2966-3026,1994.
18. C.M. Fortgang, G.O.Bolme, J. Lamoureux, and D. Liska; "Cryogenic Experiments on RF Accelerating Structures"; NIM A262(1987)197-199.