

## Biographical Sketch of Melissa Franklin

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### Education

Ph.D. in Physics Stanford University 1982  
Thesis: Studies of Selected Charmonium Decays  
BSc. University of Toronto 1977

### Professional Positions

Mallinckrodt Professor of Physics	Harvard University	2004-
Chair, Physics Department	Harvard University	2010-2014
Director of Graduate Studies	Harvard University,	2007-2010
Professor of Physics	Harvard University,	1992-2004
John L. Loeb Associate Professor of Physics	Harvard University	1991-1992
Assistant Professor of Physics	Harvard University	1989-1991
Junior Fellow, Society of Fellows	Harvard University	1987-1989
Assistant Professor	U. of Illinois	1986-1987
Post-doctoral Fellow	L.B.L.	1982-1986
Research Associate	SLAC	1977-1982
Summer Research Associate	Columbia University @ CERN	1977
Summer Research Associate	U. of Toronto @ FERMILAB	1975,76

### Honors

Fellow, Alfred P. Sloan Foundation (1988)  
Loeb Endowed Chair, Harvard University (1991-92)  
Fellow, American Physical Society (1994)  
Doctor of Law, Queens University Canada (1997)

### Research Experience

2008 – present ATLAS collaboration CERN  
1983 - present CDF collaboration Fermilab  
1977 - 1982 Mark II collaboration SLAC  
1977 summer – ISR CERN  
1975 - 1976 – summers – E25 – Tagged Photon Lab Fermilab

## **Detector Experience**

Muon Drift Tubes – ATLAS  
Central Outer Tracker – CDF  
Central Muon Extension – CDF  
Plug Gas Calorimeter and electronics– CDF  
Luminosity Monitor Drift chambers and electronics – Mark II  
Xenon strip chamber – CERN  
Lead glass tagger – E25 Fermilab

## **Analysis Experience**

Charmonium Decays  
W mass, Z mass, W, Z, top cross-sections, Higgs searches, Dark matter searches, Lambda decays, Leptoquark search, top properties, Higgs mass/width, Wc, Wb cross-sections, W asymmetry, FCNC's,  $\sin^2\theta$ .....

## **Collaborators**

I am currently on ATLAS. I have been a member of CDF since 1982.  
I was a member of the Mark 2 at SLAC from 1977-1982.

## **Advisors and Advisees**

**Graduate Advisors**            Martin Perl, Gary Feldman

**Post-doctoral sponsors**       William Carrithers, Willy Chinowsky

**Harvard Graduate students I have worked with** Peter Hurst, Ed Kearns, Rob Carey, Johnny Ng, Robyn Madrak, David Kestenbaum, Andrew Gordon, Colin Jessop, George Michail, Laura Jeanty, Giovanni Zevi della Porta, Carter Hall, Ingyin Zaw, John Paul Chou, Ayana Holloway, Daniel Sherman, Fotis Ptohos, Mari Spiropulu, Sal Rappoccio, Tom Baumann

**Harvard Post-doctoral fellows I have worked with** Philip Schlabach, Drew Baden, Peter Hurst, Kevin Burkett, Joao Guimaraes da Costa, Sebastian Grinstein, Lester Miller, Geraldine Conti, Pierluigi Catastini, Petar Maksimovic, Shulamit Moed, Jaco Konigsberg, Jorge Troconiz, Raimund Striehmer, Alexey Ershov