



Workshop on W/Z Physics

- Welcome to the 1st (with Run II data!) joint CTEQ/CDF/DØ workshop on W/Z physics
- Workshop web page:
 - http://www.uic.edu/~varelas/wz_workshop.html
 - **Speakers please post your talks to the CERN Agenda Server (link provided at the web page)**
- All presentation should allow plenty of time for discussion (it is a workshop after all!)
- Coffee break @ 10:50 and lunch @ 12:30
- Don't forget the w&c talk at 4pm

W/Z Workshop
4/22/05

Nikos Varelas



Workshop Goals (1)

1. Review the Tevatron W/Z results from Run II and discuss future prospects of precision measurements
 - So far $\sim 0.7 \text{ fb}^{-1}$ of data per experiment
 - $\sim 2 \text{ fb}^{-1}$ by end of 2006
 - A wealth of EW results is coming from CDF and DØ



<http://www-cdf.fnal.gov/physics/ewk/>



<http://www-d0.fnal.gov/Run2Physics/WWW/results/ew.htm>

- What tools would experimentalists like theorists to provide?
- What measurements would theorists like experimentalists to provide?

Workshop Goals (2)

2. Review the latest theoretical and experimental developments related to the W -mass measurement
 - What happened since the 2003 W -mass workshop?
 - Discuss current analysis techniques and future plans
 - Do we have all theoretical tools needed to measure the W -mass with high precision at Run II?
 - PDF errors, W p_T spectrum, resummation techniques, QED radiative corrections...

Agenda

09:00-09:10	Welcome	Nikos Varelas
09:10-10:00	W/Z Results from D0	Marko Verzocchi
10:00-10:50	W/Z Results from CDF	David Waters
10:50-11:10	<i>Break</i>	
11:10-11:55	W/Z Theory Update	Pavel Nadolsky
11:55-12:05	Experience with Resbos	Ian Vollrath
12:05-12:30	Resbos-A Update	C.P. Yuan
12:30-01:15	<i>Lunch</i>	
01:15-02:00	W Mass Overview and Future Needs	Ashutosh Kotwal
02:00-02:40	Understanding W/Z+jets from Theory	Steve Mrenna
02:40-03:15	W/Z+jets Results from CDF and D0	Suyong Choi
03:15-03:45	Workshop Summary	Steve Kuhlmann