

Session 7: Electroweak physics

Session conveners:

Terry Wyatt (Manchester)
Edward Boos (Moscow)

Blue Hall

Thursday, July 27, 2006

Session I

10:00 – 11:35

Chair: **Terry Wyatt**
Secretaries: **Alexey Sheplyakov**
Alexey Nechaev

10:00-10:15	W, Z and Drell-Yan production at the Tevatron I: cross sections and W width	Mark Lancaster (D0/CDF)
10:20-10:35	W and Z production: cross sections and asymmetries at the LHC	Monika Wieters (ATLAS/CMS)
10:40-10:55	W mass, width and branching fractions at LEP	Jorgen D'Hondt (LEP)
11:00-11:15	W mass and width at the LHC	Martina Malberti (ATLAS/CMS)
11:20-11:35	W, Z and Drell-Yan production at the Tevatron II: asymmetries	Susan Blessing (D0/CDF)

Session II

12:00 – 13:30

Chair: **Edward Boos**
Secretaries: **Alexey Sheplyakov**
Alexey Nechaev

12:00-12:15	Charged Current DIS with polarized e+/e- at HERA	Alex Tapper (H1/Zeus)
12:20-12:35	Di-boson production at the Tevatron I: WW, WZ, ZZ	Elliot Lipeles (D0/CDF)
12:40-12:55	WW production at LEP: cross section, spin correlations	Paolo Azzurri (LEP)
13:00-13:15	Di-boson cross sections and anomalous couplings at the Tevatron II: W+gamma, Z+gamma	Marco Verzocchi (D0/CDF)
13:20-13:30	Numerically Stable Calculations of Radiative Corrections to Bremsstrahlung	Scott Yost (Baylor Un.,USA)

Session III**14:30 – 16:00**

Chair: **Terry Wyatt**
 Secretaries: **Alexey Sheplyakov**
Alexey Nechaev

14:30-14:45	EW couplings at LEP: running of α_{QED} , limits on anomalous couplings	Arno Straessner (LEP)
14:50-15:05	Neutral Current DIS with polarized e+/e- at HERA	Vladimir Chekelian (H1/Zeus)
15:10-15:25	Measurements of tau branching fractions from e+/e- colliders	Boris Schwartz (BaBar/Belle)
15:30-15:45	Review of tau mass measurements at e+e- colliders	Yuriy A.Tikhonov (BaBar/Belle/KEDR/BES)
15:50 -16:00	Two-loop Bhabha scattering and luminosity determination e+/e- colliders	Alexander Penin (INR, Russia)

Session IV**16:30 – 18:30**

Chair: **Edward Boos**
 Secretaries: **Alexey Sheplyakov**
Alexey Nechaev

16:30-16:45	ttbar production at the Tevatron I: event selection and cross section measurement	Dugan O'Neil (D0/CDF)
16:50-17:05	ttbar production at the Tevatron II: top quark mass	Florenzia Canelli (D0/CDF)
17:10-17:25	Top physics at the LHC I: top quark mass	Roberto Chierici (ATLAS/CMS)
17:30-17:45	ttbar production at the Tevatron III: testing SM in top quark decays	Daniel Wicke (D0/CDF)
17:50-18:05	Electroweak parameters from fits to CC and NC DIS data at HERA	Yong Dok Ri (H1/Zeus)
18:10-18:25	Combined EW fit	Chris Parkes (LEP)

Main Hall

Friday, July 28, 2006

Session V

14:30 – 16:00

Chair: **Terry Wyatt**
Secretaries: **Alexey Sheplyakov**
Grigory Vartanov

14:30-14:45	Electroweak Corrections for Gauge-Boson and Top-Quark Production at Hadron Colliders	Johann Kuehn (U. Karlsruhe)
14:50-15:05	Search for single top production at the Tevatron	Wolfgang Wagner (D0/CDF)
15:10-15:25	Top physics at the LHC II: testing SM in $t\bar{t}$ and single top production	Antonio Onofre (ATLAS/CMS)
15:30-15:45	FCNC top production and decay as analyzers of new physics	Gad Eilam (Tehnon Inst., Israel)
15:50-16:00	Weak Radiative corrections to the Drell-Yan process	Vladimir Zykunov (JINR)

Session VI

16:30 – 18:30

Chair: **Edward Boos**
Secretaries: **Alexey Sheplyakov**
Grigory Vartanov

16:30-16:45	Search for the Standard Model Higgs boson at the Tevatron I: $H \rightarrow b\bar{b}$ decays	Ben Kilminster (D0/CDF)
16:50-17:05	Search for the Standard Model Higgs boson at the Tevatron II: $H \rightarrow WW$ and overall compilation	Gregorio Bernardi (D0/CDF)
17:10-17:25	Search for the Standard Model Higgs boson at the LHC	Alexandre Nikitenko (ATLAS/CMS)
17:30-17:45	Bounds on the Electroweak Chiral Lagrangian from Unitarity and Analyticity	Benjamin Grinstein (Un. Cal. San Diego, USA)
17:50-18:05	Relativistic calculation of the neutron charge form factor	Alexander Krutov (Samara St. Un., Russia)
18:10-18:25	Matching between parton shower and matrix elements in QED	Fulvio Piccinini (INFN Pavia, Italy)