

Workshop on Collider Physics (Argonne & University of Chicago)

Report of Contributions

Contribution ID: 0

Type: **not specified**

Searching for Majorana neutrinos at hadron colliders

Tuesday 9 May 2006 16:30 (20 minutes)

Presenter: HAN, Tao (University of Wisconsin)

Session Classification: New physics ||

Contribution ID: 2

Type: **not specified**

Strong dynamics scenarios of new physics at the LHC

Tuesday 9 May 2006 14:15 (30 minutes)

Presenter: SIMMONS, Elizabeth (Michigan State University)

Session Classification: New physics ||

Contribution ID: 3

Type: **not specified**

Aspects of dynamical electroweak symmetry breaking

Tuesday 9 May 2006 13:30 (30 minutes)

Presenter: CHIVUKULA, Sekhar (Michigan State University)

Session Classification: New physics ||

Contribution ID: 6

Type: **not specified**

CMS sensitivity to new physics with dijets

Tuesday 9 May 2006 15:15 (30 minutes)

Presenter: HARRIS, Robert (FNAL)

Session Classification: New physics ||

Contribution ID: 7

Type: **not specified**

The first inverse femtobarn at the LHC

Wednesday 10 May 2006 11:00 (1 hour)

Argonne HEP division seminar

Presenter: GREEN, Dan (Fermilab)

Session Classification: New physics III and HEP division seminar

Contribution ID: 8

Type: **not specified**

Phenomenology of twin Higgs models

Wednesday 10 May 2006 09:30 (20 minutes)

Presenter: SU, Shufang (University of Arisona)

Session Classification: New physics III and HEP division seminar

Contribution ID: 12

Type: **not specified**

Unintegrated parton densities: Why do we need them? What are they good for?

Thursday 11 May 2006 13:30 (30 minutes)

Presenter: COLLINS, John (Penn State University)

Session Classification: QCD and beyond

Contribution ID: **14**

Type: **not specified**

Semi-numerical evaluation of one-loop amplitudes

Wednesday 10 May 2006 15:15 (30 minutes)

Presenter: GIELE, Walter (Fermilab)

Session Classification: Standard Model aspects

Contribution ID: **19**

Type: **not specified**

Electroweak gauge boson production through $\mathcal{O}(\alpha_s^2)$

Thursday 11 May 2006 09:30 (30 minutes)

Presenter: PETRIELLO, Frank (University of Wisconsin)

Session Classification: Top + QCD

Contribution ID: 20

Type: **not specified**

Antenna showers and color annealing

Wednesday 10 May 2006 14:15 (30 minutes)

Presenter: SKANDS, Peter (FNAL)

Session Classification: Standard Model aspects

Contribution ID: 21

Type: **not specified**

Resonances from Two Universal Extra dimensions

Friday 12 May 2006 15:15 (30 minutes)

Presenter: DOBRESU, Bogdan (FNAL)

Session Classification: New physics V

Contribution ID: 22

Type: **not specified**

Kaluza-Klein resonances and the geography of extra dimensions

Friday 12 May 2006 14:15 (30 minutes)

Presenter: LILLIE, Ben (ANL and Enrico Fermi Institute, Univ. of Chicago)

Session Classification: New physics V

Contribution ID: 23

Type: **not specified**

SUSY searches at the Tevatron

Monday 8 May 2006 16:00 (30 minutes)

Presenter: MANCA, Giulia (University of Liverpool)

Session Classification: SUSY and dark matter

Contribution ID: 24

Type: **not specified**

Little Higgs models with T-parity

Monday 8 May 2006 13:30 (30 minutes)

Presenter: PERELSTEIN, Maxim (Cornell)

Session Classification: SUSY and dark matter

Contribution ID: 25

Type: **not specified**

Dark Matter at Colliders

Monday 8 May 2006 14:15 (30 minutes)

Presenter: BALAZS, Csaba (ANL)

Session Classification: SUSY and dark matter

Contribution ID: 26

Type: **not specified**

Supersymmetry and the origin of (dark) matter

Monday 8 May 2006 15:15 (30 minutes)

Presenter: FREITAS, Ayres (University of Zurich)

Session Classification: SUSY and dark matter

Contribution ID: 27

Type: **not specified**

The missing E_T measurement

Monday 8 May 2006 11:30 (30 minutes)

Presenter: GUPTA, Ambreesh (University of Chicago)

Session Classification: LHC challenges and opportunities

Contribution ID: 28

Type: **not specified**

String-inspired exotics and their implications for the LHC

Friday 12 May 2006 16:00 (30 minutes)

Presenter: WELLS, James (University of Michigan)

Session Classification: New physics V

Contribution ID: 29

Type: **not specified**

Violations of the narrow width approximation

Wednesday 10 May 2006 13:30 (30 minutes)

Presenter: RAINWATER, David (University of Rochester)

Session Classification: Standard Model aspects

Contribution ID: **30**

Type: **not specified**

Jet measurements in the first few LHC months and new limits on contact interactions

Monday 8 May 2006 09:45 (30 minutes)

Presenter: LECOMPTE, Tom (ANL)

Session Classification: LHC challenges and opportunities

Contribution ID: 31

Type: **not specified**

The missing heavy flavor backgrounds to Higgs production

Monday 8 May 2006 10:30 (30 minutes)

Presenter: SULLIVAN, Zack (ANL)

Session Classification: LHC challenges and opportunities

Contribution ID: **32**

Type: **not specified**

Constraints on B and Higgs Physics in the MSSM

Friday 12 May 2006 10:30 (30 minutes)

Presenter: MENON, Arjun (ANL & Enrico Fermi Institute, Univ. of Chicago)

Session Classification: New physics IV

Contribution ID: 33

Type: **not specified**

Reconstructing mass and spin at hadron colliders

Wednesday 10 May 2006 10:00 (30 minutes)

Presenter: MCEL RATH, Bob (UC, Davis)

Session Classification: New physics III and HEP division seminar

Contribution ID: 34

Type: **not specified**

Bard: an algorithmic solution to the LHC interpretation problem

Thursday 11 May 2006 16:00 (30 minutes)

Presenter: KNUTESON, Bruce (MIT)

Session Classification: QCD and beyond

Contribution ID: 35

Type: **not specified**

QCD corrections to Higgs and vector boson production

Thursday 11 May 2006 15:15 (30 minutes)

Presenter: OLEARI, Carlo (Universita' di Milano-Bicocca)

Session Classification: QCD and beyond

Contribution ID: 37

Type: **not specified**

Photon pair production at the Tevatron and LHC

Thursday 11 May 2006 14:15 (30 minutes)

Presenter: NADOLSKY, Pavel (ANL)

Session Classification: QCD and beyond

Contribution ID: 39

Type: **not specified**

Single top from t-tbar production

Thursday 11 May 2006 10:30 (20 minutes)

Presenter: BATRA, Puneet (ANL)

Session Classification: Top + QCD

Contribution ID: 40

Type: **not specified**

Baryon and Lepton number violation at the LHC

Friday 12 May 2006 11:15 (30 minutes)

Presenter: MORRISSEY, David (University of Michigan)

Session Classification: New physics IV

Contribution ID: 42

Type: **not specified**

B meson decays involving $b \rightarrow s$ transitions in left-right models

Friday 12 May 2006 09:00 (20 minutes)

Presenter: NAM, Soo-hyeon (National Central University)

Session Classification: New physics IV

Contribution ID: 43

Type: **not specified**

Some new directions in Randall-Sundrum phenomenology

Tuesday 9 May 2006 10:15 (30 minutes)

Presenter: DAVOUDIASL, Hooman (University of Wisconsin)

Session Classification: New physics I

Contribution ID: 44

Type: **not specified**

Searches of narrow di-muon resonances at hadron colliders

Tuesday 9 May 2006 11:15 (30 minutes)

Presenter: SCHMITT, Michael (Northwestern University)

Session Classification: New physics I

Contribution ID: 45

Type: **not specified**

Top physics at D0

Wednesday 10 May 2006 16:00 (30 minutes)

Presenter: GERBER, Cecilia (University of Illinois, Chicago)

Session Classification: Standard Model aspects

Contribution ID: 47

Type: **not specified**

LHC multi-particle simulation for the MSSM and beyond

Tuesday 9 May 2006 09:30 (30 minutes)

Presenter: REUTER, Juergen (DESY)

Session Classification: New physics I

Contribution ID: 48

Type: **not specified**

Twin Higgs: Natural EW symmetry breaking

Wednesday 10 May 2006 09:00 (20 minutes)

Presenter: GOH, Hock Seng (University of Arizona)

Session Classification: New physics III and HEP division seminar

Contribution ID: 49

Type: **not specified**

QCD corrections to top spin effects at hadron colliders

Thursday 11 May 2006 11:00 (20 minutes)

Presenter: SI, Zongguo (Shandong University)

Session Classification: Top + QCD

Contribution ID: 50

Type: **not specified**

Relating physical superpartner masses to the MSSM Lagrangian

Friday 12 May 2006 13:30 (30 minutes)

Presenter: MARTIN, Stephen (Northern Illinois University)

Session Classification: New physics V

Contribution ID: 51

Type: **not specified**

Sterile Neutrinos in Lepton-Number Violating Processes

Tuesday 9 May 2006 16:00 (20 minutes)

Presenter: ATRE, Anupama (University of Wisconsin)

Session Classification: New physics ||

Contribution ID: 52

Type: **not specified**

Welcome!

Monday 8 May 2006 09:30 (15 minutes)

Presenter: WEERTS, Harry (ANL)

Session Classification: LHC challenges and opportunities