

LHC-D Workshop 2006 - Higgs Physik

Report of Contributions

Contribution ID: 3

Type: **not specified**

Higgs Physics at LHC: Theory

Tuesday 7 March 2006 10:50 (30 minutes)

Presenter: SPIRA, Michael (PSI)

Contribution ID: 4

Type: **not specified**

Higgs Physics at LHC: Experiment

Tuesday 7 March 2006 11:25 (30 minutes)

Presenter: JAKOBS, Karl (U Freiburg)

Contribution ID: 5

Type: **not specified**

Electroweak corrections to the H -> 4leptons Higgs decays

Tuesday 7 March 2006 13:30 (15 minutes)

Presenter: WEBER, Marcus (U Wuppertal)

Contribution ID: 6

Type: **not specified**

Untersuchungen des $H \rightarrow ZZ^* \rightarrow 4l$ Kanals im ATLAS-Detektor mit vollständiger Detektorsimulation

Tuesday 7 March 2006 13:50 (15 minutes)

Presenter: HORVAT, Sandra (MPI München)

Contribution ID: 7

Type: **not specified**

Standard Model Higgs Discovery Potential of CMS in the $H \rightarrow WW \rightarrow l\nu l\nu$ channel

Tuesday 7 March 2006 14:25 (15 minutes)

Presenter: DAVATZ, Giovanna (ETH Zürich)

Contribution ID: 8

Type: **not specified**

Gluon-induced WW background to Higgs boson searches at the LHC

Tuesday 7 March 2006 14:45 (15 minutes)

Presenter: KAUER, Nikolas (U Würzburg)

Contribution ID: 9

Type: **not specified**

Systematic background normalization in $gg \rightarrow H \rightarrow WW$

Tuesday 7 March 2006 15:05 (15 minutes)

Presenter: DUEHRSEN, Michael (U Freiburg)

Contribution ID: **10**

Type: **not specified**

H $\rightarrow$ gamma gamma

Tuesday 7 March 2006 16:15 (15 minutes)

Presenter: BOSSE, Timo (RWTH Aachen)

Contribution ID: **11**

Type: **not specified**

ATLAS sensitivity to H/A- $\rightarrow$ ttbar in "fully hadronic" mode

Tuesday 7 March 2006 16:35 (15 minutes)

Presenter: SIEBEL, Anca (BU Wuppertal)

Contribution ID: 12

Type: **not specified**

Search for Neutral Higgs Bosons decaying to Tau Pairs at the D0-Experiment

Tuesday 7 March 2006 16:55 (15 minutes)

Presenter: TORCHIANI, Ingo (U Freiburg)

Contribution ID: 13

Type: **not specified**

Multi Higgs production at Hadron Colliders

Tuesday 7 March 2006 17:15 (15 minutes)

Presenter: KARG, Stefan (U Würzburg)

Contribution ID: **14**

Type: **not specified**

Begrüßung

Tuesday 7 March 2006 10:45 (5 minutes)

Contribution ID: 15

Type: **not specified**

Search for the $H \rightarrow \tau\tau \rightarrow 2\text{leptons} 4\text{neutrinos}$ decay in the vector boson fusion production channel with the ATLAS detector

Wednesday 8 March 2006 09:00 (15 minutes)

Presenter: VALDERANIS, Chrysostomos (MPI München)

Contribution ID: 16

Type: **not specified**

**Eine Methode zur Bestimmung des
Z- $\rightarrow$ tautau- $\rightarrow$ mumu + 4nu Untergrundes
inVektorbosonfusion im Kanal H- $\rightarrow$ tautau- $\rightarrow$ mumu +
4nu mit dem ATLAS-Detektor**

Wednesday 8 March 2006 09:20 (15 minutes)

Presenter: SCHMITZ, Martin (U Bonn)

Contribution ID: 17

Type: **not specified**

Vector Boson Fusion with anomalous couplings

Wednesday 8 March 2006 09:40 (15 minutes)

Presenter: HANKELE, Vera (U Karlsruhe)

Contribution ID: **18**

Type: **not specified**

Möglichkeit der Entdeckung eines schweren Higgs-Bosons im Kanal $qq \rightarrow qqH, H \rightarrow ZZ \rightarrow lljj$ im CMS-Experiment

Wednesday 8 March 2006 11:00 (15 minutes)

Presenter: FELZMANN, Ulrich (U Karlsruhe)

Contribution ID: **19**

Type: **not specified**

Production of Neutral Higgs + Jet in the MSSM

Wednesday 8 March 2006 11:20 (15 minutes)

Presenter: BREIN, Oliver (IPPP Durham)

Contribution ID: 20

Type: **not specified**

Z + jet production in the DO experiment: A comparison between data and the PYTHIA and SHERPA Monte Carlo

Wednesday 8 March 2006 11:40 (15 minutes)

Presenter: NILSEN, Henrik (U Freiburg)

Contribution ID: 21

Type: **not specified**

Assoziierte Produktion von Higgs-Bosonen mit schweren Quarks

Wednesday 8 March 2006 14:00 (15 minutes)

Presenter: KRAEMER, Michael (RWTH Aachen)

Contribution ID: 22

Type: **not specified**

Multivariate analysis of $H \rightarrow b\bar{b}$ in associated production of H with $t\text{-}\bar{t}$ pair using full simulation of ATLAS detector

Wednesday 8 March 2006 14:20 (15 minutes)

Presenter: KOTOV, Sergey (MPI München)

Contribution ID: 23

Type: **not specified**

Study of $g+b \rightarrow b+h/H/A$ using SHERPA and NLO calculations

Wednesday 8 March 2006 14:40 (15 minutes)

Presenter: WARSINSKY, Markus (TU Dresden)

Contribution ID: 24

Type: **not specified**

Search for MSSM neutral Higgs bosons in the decay channel $A/H \rightarrow \mu\mu/\tau\tau$ with the ATLAS detector

Wednesday 8 March 2006 15:25 (15 minutes)

Presenter: DEDES, Giorgos

Contribution ID: 25

Type: **not specified**

QCD-corrections to the mass of the lightest Higgs boson in the complex MSSM

Wednesday 8 March 2006 16:15 (15 minutes)

Presenter: RZEHAK, Heidi (PSI)

Contribution ID: 26

Type: **not specified**

Untersuchung des Entdeckungspotentials für ein leichtes Higgs-Boson im CPX-Szenario des MSSM mit dem ATLAS-Detektor

Wednesday 8 March 2006 16:35 (15 minutes)

Presenter: LEHMACHER, Marc (U Bonn)

Contribution ID: 27

Type: **not specified**

SUSY-QCD Effects in Hadronic Higgs Production

Wednesday 8 March 2006 17:10 (15 minutes)

Presenter: STEINHAUSER, Matthias (U Karlsruhe)

Contribution ID: 28

Type: **not specified**

**Untersuchung des Entdeckungspotenzials schwerer
neutraler Higgs-Bosonen im Zerfallskanal $A^0/H^0 \rightarrow$
 $\chi_2^0 \chi_2^0 \rightarrow \chi_1^0 \chi_1^0 + 4l$ mit dem
ATLAS-Detektor**

Wednesday 8 March 2006 17:30 (15 minutes)

Presenter: MOESER, Nicolas (U Bonn)