

# **Workshop on Precision Measurements of $\alpha_S$**

## **Report of Contributions**

Contribution ID: 0

Type: **not specified**

## **Review of Lattice Calculation**

*Friday, 11 February 2011 09:00 (40 minutes)*

**Presenter:** KRONFELD, Andreas (FNAL)

**Session Classification:** Lattice Calculation I

Contribution ID: 1

Type: **not specified**

## **alpha\_S from HPQCD**

*Friday, 11 February 2011 09:40 (20 minutes)*

**Presenter:** LEPAGE, G Peter (Cornell)

**Session Classification:** Lattice Calculation I

Contribution ID: 2

Type: **not specified**

## **alpha\_S from JLQCD**

*Friday, 11 February 2011 11:00 (20 minutes)*

**Presenter:** HASHIMOTO, Shoji (KEK)

**Session Classification:** Lattice Calculation II

Contribution ID: 3

Type: **not specified**

## **alpha\_S from ALPHA**

*Friday, 11 February 2011 11:20 (20 minutes)*

**Presenter:** SOMMER, Rainer (DESY)

**Session Classification:** Lattice Calculation II

Contribution ID: 4

Type: **not specified**

## **alpha\_S from Analysis of Quarkonia**

*Friday, 11 February 2011 11:40 (20 minutes)*

**Presenter:** NORA, Brambilla (TUM)

**Session Classification:** Lattice Calculation II

Contribution ID: 5

Type: **not specified**

## **alpha\_S World Average Overview Talk**

*Wednesday, 9 February 2011 09:10 (20 minutes)*

**Presenter:** BETHKE, Siggie (Max Planck Institute für Physik)

**Session Classification:** Alpha\_S World Average

Contribution ID: 6

Type: **not specified**

## Discussion

*Friday, 11 February 2011 12:00 (30 minutes)*

**Session Classification:** Lattice Calculation II



Contribution ID: 7

Type: **not specified**

## Tau Review

*Wednesday, 9 February 2011 14:00 (40 minutes)*

**Presenter:** PICH, Antonio (IFIC)

**Session Classification:** Measurement of  $\alpha_S$  with Tau Decays I

Contribution ID: 8

Type: **not specified**

## CIPT Analysis

*Wednesday, 9 February 2011 14:40 (20 minutes)*

**Presenter:** DESCOTES-GENON, Sebastian (PSUD)

**Session Classification:** Measurement of  $\alpha_S$  with Tau Decays I

Contribution ID: 9

Type: **not specified**

## FOPT Analysis

*Wednesday, 9 February 2011 15:00 (20 minutes)*

**Presenter:** BENEKE, Martin (RWTH)

**Session Classification:** Measurement of  $\alpha_S$  with Tau Decays I

Contribution ID: 10

Type: **not specified**

## **Relations between CIPT and FOPT Analyses**

*Wednesday, 9 February 2011 15:20 (20 minutes)*

**Presenter:** MENKE, Sven (MPP)

**Session Classification:** Measurement of  $\alpha_S$  with Tau Decays I

Contribution ID: 11

Type: **not specified**

## Duality Violations Analysis

*Wednesday, 9 February 2011 16:00 (20 minutes)*

**Presenter:** GOLTERMAN, Maarten (SFSU)

**Session Classification:** Measurement of  $\alpha_S$  with Tau Decays II

Contribution ID: 12

Type: **not specified**

## **Perturbative Inputs to tau Analyses**

*Wednesday, 9 February 2011 16:20 (20 minutes)*

**Presenter:** KUEHN, Johann (KIT)

**Session Classification:** Measurement of  $\alpha_S$  with Tau Decays II

Contribution ID: 13

Type: **not specified**

## Running of $\alpha_S$ low scales

*Wednesday, 9 February 2011 16:40 (20 minutes)*

**Presenter:** STEINHAUSER, Matthias (KIT)

**Session Classification:** Measurement of  $\alpha_S$  with Tau Decays II

Contribution ID: 14

Type: **not specified**

## Discussion

*Wednesday, 9 February 2011 17:00 (30 minutes)*

**Session Classification:** Measurement of Alpha\_S with Tau Decays II



Contribution ID: 15

Type: **not specified**

## **alpha\_S and EW Precision Observables Review**

*Thursday, 10 February 2011 09:00 (40 minutes)*

**Presenter:** KUEHN, Johann (KIT)

**Session Classification:** R\_had in Z-Decay and EW Precision Observables I

Contribution ID: 16

Type: **not specified**

## **alpha\_S with GAPP**

*Thursday, 10 February 2011 09:40 (20 minutes)*

**Presenter:** ERLER, Jens (UNAM)

**Session Classification:** R\_had in Z-Decay and EW Precision Observables I

Contribution ID: 17

Type: **not specified**

## **Alpha\_S from the hadronic decay width of the Z**

*Thursday, 10 February 2011 10:30 (20 minutes)*

**Presenter:** MOENIG, Klaus (DESY)

**Session Classification:** R\_had in Z-Decay and EW Precision Observables II

Contribution ID: **18**

Type: **not specified**

## **alpha\_S with ZFITTER**

Contribution ID: **19**

Type: **not specified**

## **Discussion**

*Thursday, 10 February 2011 10:50 (30 minutes)*

**Session Classification:** R\_had in Z-Decay and EW Precision Observables II

Contribution ID: 20

Type: **not specified**

## **Review of Event Shape Measurements**

*Thursday, 10 February 2011 11:20 (40 minutes)*

**Presenter:** SALAM, Gavin (LPTHE)

**Session Classification:** Event Shape Measurements I

Contribution ID: 21

Type: **not specified**

## **alpha\_S from SCET analysis**

*Thursday, 10 February 2011 14:00 (20 minutes)*

**Presenter:** MATEU, Vicent (MPI for Physics)

**Session Classification:** Event Shape Measurements II

Contribution ID: 22

Type: **not specified**

## **NNLO and "classic" power corrections**

*Thursday, 10 February 2011 12:20 (20 minutes)*

**Presenter:** WEBBER, Bryan (Cambridge)

**Session Classification:** Event Shape Measurements I



Contribution ID: 24

Type: **not specified**

## **alpha\_S from DIS Review**

*Wednesday, 9 February 2011 09:30 (40 minutes)*

**Presenter:** GLASMAN, Claudia (UAM)

**Session Classification:** DIS and Global Fits I

Contribution ID: 25

Type: **not specified**

## **alpha\_S from DIS Structure Functions**

*Wednesday, 9 February 2011 10:10 (20 minutes)*

**Presenter:** BLÜMLEIN, Johannes (DESY)

**Session Classification:** DIS and Global Fits I

Contribution ID: 26

Type: **not specified**

## **alpha\_S in CTEQ Fits**

*Wednesday, 9 February 2011 10:30 (20 minutes)*

**Presenter:** YUAN, CP (MSU)

**Session Classification:** DIS and Global Fits I

Contribution ID: 27

Type: **not specified**

## **alpha\_S in MSTW Fits**

*Wednesday, 9 February 2011 11:10 (20 minutes)*

**Presenter:** THORNE, Robert (UCL)

**Session Classification:** DIS and Global Fits II

Contribution ID: 28

Type: **not specified**

## **alpha\_S in NN PDF Fits**

*Wednesday, 9 February 2011 11:30 (20 minutes)*

**Presenter:** FORTE, Stefano (INFN Milano)

**Session Classification:** DIS and Global Fits II

Contribution ID: 29

Type: **not specified**

## **alpha\_S in HERA PDF Fits**

*Wednesday, 9 February 2011 11:50 (20 minutes)*

**Presenter:** Dr REISERT, Burkard (Max-Planck-Institut für Physik)

**Session Classification:** DIS and Global Fits II

Contribution ID: **30**

Type: **not specified**

## **Discussion**

*Wednesday, 9 February 2011 12:10 (30 minutes)*

**Session Classification:** DIS and Global Fits II

Contribution ID: 31

Type: **not specified**

## **NNLO(+NLLA) and ALEPH data**

*Thursday, 10 February 2011 12:00 (20 minutes)*

**Presenter:** GEHRMANN, Thomas (UZH)

**Session Classification:** Event Shape Measurements I



Contribution ID: 32

Type: **not specified**

## **alpha\_S from 5-jets**

*Thursday, 10 February 2011 14:20 (20 minutes)*

**Presenter:** ZANDERIGHI, Giulia (Oxford)

**Session Classification:** Event Shape Measurements II

Contribution ID: 33

Type: **not specified**

## **Jet and event shape observables at LHC**

*Thursday, 10 February 2011 14:40 (20 minutes)*

**Presenter:** RABBERTZ, Klaus (KIT)

**Session Classification:** Event Shape Measurements II

Contribution ID: 34

Type: **not specified**

## MC Tuning with "Professor"

*Thursday, 10 February 2011 15:00 (20 minutes)*

**Presenter:** SCHULZ, Holger (HU Berlin)

**Session Classification:** Event Shape Measurements II

Contribution ID: 35

Type: **not specified**

## **Experimental Issues and Combinations of results**

*Thursday, 10 February 2011 15:20 (20 minutes)*

**Presenter:** KLUTH, Stefan (MPI für Physik)

**Session Classification:** Event Shape Measurements II

Contribution ID: **36**

Type: **not specified**

## **Discussion**

*Thursday, 10 February 2011 15:40 (30 minutes)*

**Session Classification:** Event Shape Measurements II

Contribution ID: 37

Type: **not specified**

## **alpha\_S at the LHC**

*Friday, 11 February 2011 14:25 (25 minutes)*

**Presenter:** PETRIELLO, Frank (UW)

**Session Classification:** Future of Alpha\_S Measurements I

Contribution ID: **38**

Type: **not specified**

## **Impact of alpha\_S on GUT**

*Friday, 11 February 2011 14:00 (25 minutes)*

**Presenter:** NOMURA, Yasunori (UCB)

**Session Classification:** Future of Alpha\_S Measurements I

Contribution ID: 39

Type: **not specified**

## **alpha\_S at the ILC**

*Friday, 11 February 2011 14:50 (20 minutes)*

**Presenter:** PAHL, Christoph (MPP)

**Session Classification:** Future of Alpha\_S Measurements I



Contribution ID: 40

Type: **not specified**

## Round Table Discussion

*Friday, 11 February 2011 16:00 (1h 30m)*

**Session Classification:** Future of Alpha\_S Measurements II

Contribution ID: 41

Type: **not specified**

## Yuri Dokshitzer Colloquium Talk

*Thursday, 10 February 2011 17:15 (1 hour)*

**Presenter:** DOKSHITZER, Yuri (LP THE)

**Session Classification:** MPP Colloquium

Contribution ID: 42

Type: **not specified**

## Andres Material

**Presenter:** HOANG, Andre (MPI Munich)

Contribution ID: 43

Type: **not specified**

## Iains Material

**Presenter:** STEWART, Iain (MIT)

Contribution ID: 45

Type: **not specified**

## Voicas Material

**Presenter:** RADESCU, Voica (Phys. Inst. Heidelberg)

Contribution ID: 46

Type: **not specified**

## Wolfgangs Material

**Presenter:** HOLLIK, Wolfgang (MPP)

Contribution ID: 47

Type: **not specified**

## **alpha\_S from PACS-CS**

*Friday, 11 February 2011 10:00 (20 minutes)*

**Presenter:** AOKI, Sinya (Tsukuba)

**Session Classification:** Lattice Calculation I

Contribution ID: 48

Type: **not specified**

## **alpha\_S and scale setting**

*Friday, 11 February 2011 15:10 (20 minutes)*

**Presenter:** BRODSKY, Stan (SLAC)

**Session Classification:** Future of Alpha\_S Measurements I



Contribution ID: 49

Type: **not specified**

## Welcome

*Wednesday, 9 February 2011 09:00 (10 minutes)*

**Presenter:** BETHKE, Siggie (MPI)

**Session Classification:** Alpha\_S World Average