

KET Strategie-Workshop 2010: Perspektiven der Teilchenphysik

Report of Contributions

Contribution ID: 0

Type: **not specified**

Eröffnung; Begrüssung

Monday 25 October 2010 11:00 (15 minutes)

Presenters: Prof. SPAAN, Bernhard (TU Dortmund); BETHKE, Sigg

Session Classification: Plenarsitzung 1

Contribution ID: 1

Type: **not specified**

Theorie I: die grossen Fragen und Themen der TP in der Zukunft

Monday 25 October 2010 11:15 (30 minutes)

Presenter: Prof. BUCHMÜLLER, Wilfried

Session Classification: Plenarsitzung 1

Contribution ID: 2

Type: **not specified**

Perspektiven der Hadron-Collider Physik

Monday 25 October 2010 11:55 (25 minutes)

Presenter: Prof. MÜLLER, Thomas

Session Classification: Plenarsitzung 1

Contribution ID: 3

Type: **not specified**

LHC upgrade

Monday 25 October 2010 13:30 (20 minutes)

Presenter: WERMES, N. (Universität Bonn)

Session Classification: Plenarsitzung 2

Contribution ID: 4

Type: **not specified**

Linear Colliders I: ILC

Monday 25 October 2010 14:00 (20 minutes)

Presenter: DESCH, Klaus (University of Bonn)

Session Classification: Plenarsitzung 2

Contribution ID: 5

Type: **not specified**

Linear Colliders II: CLIC

Monday 25 October 2010 14:30 (20 minutes)

Presenter: HAUSCHILD, Michael (CERN)

Session Classification: Plenarsitzung 2

Contribution ID: 6

Type: **not specified**

Neutrino-Physik an Beschleunigern

Monday 25 October 2010 15:00 (20 minutes)

Presenter: Prof. STAHL, Achim (RWTH Aachen University)

Session Classification: Plenarsitzung 2

Contribution ID: 7

Type: **not specified**

Langzeitstrategie des CERN

Monday 25 October 2010 15:30 (20 minutes)

Presenter: Prof. HEUER, R.

Session Classification: Plenarsitzung 2

Contribution ID: 8

Type: **not specified**

Neue Experimente unter Ausnutzung der DESY Infrastruktur

Presenters: Prof. SCHÖNING, Andre; Dr ELSEN, Eckhard (DESY)

Contribution ID: 9

Type: **not specified**

KET Sitzung (closed session)

Tuesday 26 October 2010 08:00 (1 hour)

Contribution ID: **10**

Type: **not specified**

KET Sitzung (closed session)

Tuesday 26 October 2010 16:00 (2 hours)

Contribution ID: **11**

Type: **not specified**

Dark Matter Searches

Tuesday 26 October 2010 09:00 (20 minutes)

Presenter: Prof. OBERLACK, Uwe

Session Classification: Plenarsitzung 4

Contribution ID: 12

Type: **not specified**

Theorie II: Aufstellung der TP-Theorie in D

Tuesday 26 October 2010 09:30 (20 minutes)

Presenter: Prof. MANNEL, Thomas

Session Classification: Plenarsitzung 4

Contribution ID: 13

Type: **not specified**

Perspektiven der b-Physik

Tuesday 26 October 2010 10:30 (20 minutes)

Presenter: Prof. KIESLING, Christian

Session Classification: Plenarsitzung 5

Contribution ID: 14

Type: **not specified**

Astro-Teilchenphysik (KAT-Präsentation)

Tuesday 26 October 2010 11:00 (20 minutes)

Presenter: Dr SPIERING, Christian

Session Classification: Plenarsitzung 5

Contribution ID: 15

Type: **not specified**

Kern- und Hadronen-Physik (KHUK-Präsentation)

Tuesday 26 October 2010 11:30 (20 minutes)

Presenter: Prof. WESSELS, Johannes

Session Classification: Plenarsitzung 5

Contribution ID: 16

Type: **not specified**

Zusammenfassung Parallelsitzung A (Nichtbeschleuniger-TP)

Tuesday 26 October 2010 13:00 (20 minutes)

Presenter: SCHOENERT, Stefan (MPK Heidelberg)

Session Classification: Plenarsitzung 6

Contribution ID: 17

Type: **not specified**

Zusammenfassung Parallelsitzung B (Präzisionsexperimente)

Tuesday 26 October 2010 13:30 (20 minutes)

Presenter: PAUL, Stephan

Session Classification: Plenarsitzung 6

Contribution ID: **18**

Type: **not specified**

Zusammenfassung Parallelsitzung C (Beschl.-Technologien)

Tuesday 26 October 2010 14:00 (20 minutes)

Presenter: CALDWELL, Allen (Max Planck Institute)

Session Classification: Plenarsitzung 6

Contribution ID: 19

Type: **not specified**

Zusammenfassung Parallelsitzung D (Experimente am DESY)

Tuesday 26 October 2010 14:30 (20 minutes)

Presenters: Prof. SCHÖNING, Andre (PI Heidelberg); Dr ELSEN, Eckhard (DESY)

Session Classification: Plenarsitzung 6

Contribution ID: **20**

Type: **not specified**

workshop summary

Tuesday 26 October 2010 15:00 (30 minutes)

Session Classification: Plenarsitzung 6

Contribution ID: 21

Type: **not specified**

A large solid state TPC with Cobra

Monday 25 October 2010 16:30 (15 minutes)

Presenter: Prof. ZUBER, Kai

Session Classification: A: Nichtbeschleuniger-Teilchenphysik

Contribution ID: 22

Type: **not specified**

A one ton Ge experiment: GERDA&Majorana

Monday 25 October 2010 16:48 (15 minutes)

Presenter: Dr MAJOROVITS, Bela

Session Classification: A: Nichtbeschleuniger-Teilchenphysik

Contribution ID: 23

Type: **not specified**

Proton decay and neutrino properties with Lena

Monday 25 October 2010 17:06 (15 minutes)

Presenter: Prof. OBERAUER, Lothar

Session Classification: A: Nichtbeschleuniger-Teilchenphysik

Contribution ID: 24

Type: **not specified**

Direct neutrino mass search beyond 100 meV

Monday 25 October 2010 17:24 (15 minutes)

Presenter: Prof. WEINHEIMER, Christian

Session Classification: A: Nichtbeschleuniger-Teilchenphysik

Contribution ID: 25

Type: **not specified**

Direct DM search: techniques & multi-target DM signature

Monday 25 October 2010 17:42 (15 minutes)

Presenter: Prof. JOCHUM, Josef

Session Classification: A: Nichtbeschleuniger-Teilchenphysik

Contribution ID: 26

Type: **not specified**

Teilchenphysik mit langsamen Müonen

Monday 25 October 2010 16:30 (20 minutes)

Presenter: Prof. KIRCH, Klaus

Session Classification: B: Präzisionsexperimente an (Niederenergie-)Beschleunigern

Contribution ID: 27

Type: **not specified**

Theory/simulation of Laser and Beam driven PWA

Monday 25 October 2010 16:40 (15 minutes)

Presenter: Prof. PUKHOV, Alexander

Session Classification: C: Neue Beschleuniger-Technologien

Contribution ID: 28

Type: **not specified**

Teilchenphysik mit Antiprotonen

Monday 25 October 2010 16:55 (20 minutes)

Presenter: Prof. WALZ, Jochen

Session Classification: B: Präzisionsexperimente an (Niederenergie-)Beschleunigern

Contribution ID: 29

Type: **not specified**

Teilchenphysik mit Neutronen und EDM Messungen im allgemeineren (ohne Deuteron)

Monday 25 October 2010 17:20 (20 minutes)

Presenter: Prof. FIERLINGER, Peter

Session Classification: B: Präzisionsexperimente an (Niederenergie-)Beschleunigern

Contribution ID: **30**

Type: **not specified**

Teilchenphysik mit Ionen

Monday 25 October 2010 17:45 (7 minutes)

Presenter: GRUPPE BLAUM

Session Classification: B: Präzisionsexperimente an (Niederenergie-)Beschleunigern

Contribution ID: **31**

Type: **not specified**

EDM des Protons/Deuterons an COSY

Monday 25 October 2010 17:55 (7 minutes)

Presenter: GRUPPE FZJ

Session Classification: B: Präzisionsexperimente an (Niederenergie-)Beschleunigern

Contribution ID: 32

Type: **not specified**

Introduction and Muon Collider R&D

Monday 25 October 2010 16:30 (10 minutes)

Presenter: CALDWELL, Allen (Max Planck Institute)

Session Classification: C: Neue Beschleuniger-Technologien

Contribution ID: 33

Type: **not specified**

Experimental overview in Laser driven PWA

Monday 25 October 2010 17:00 (15 minutes)

Presenter: Prof. KARSCH, Stefan

Session Classification: C: Neue Beschleuniger-Technologien

Contribution ID: 34

Type: **not specified**

Proton beam driven PWA

Monday 25 October 2010 17:20 (15 minutes)

Presenter: Dr XIA, Guoxing

Session Classification: C: Neue Beschleuniger-Technologien

Contribution ID: 35

Type: **not specified**

Outlook for PWA experiments

Monday 25 October 2010 17:40 (15 minutes)

Presenter: Dr ZIMMERMANN, Frank (CERN)

Session Classification: C: Neue Beschleuniger-Technologien

Contribution ID: 36

Type: **not specified**

e+e- Z-factory using the HERA infrastructure

Monday 25 October 2010 18:00 (22 minutes)

Presenter: Prof. MOORTGAT-PICK, Gudrid (University of Hamburg / DESY)

Session Classification: Neue Experimente unter Ausnutzung der DESY Infrastruktur

Contribution ID: 37

Type: **not specified**

Perspective on the ep and eA physics at DESY

Monday 25 October 2010 18:25 (17 minutes)

Presenter: KOWALSKI, Henri (DESY)

Session Classification: Neue Experimente unter Ausnutzung der DESY Infrastruktur

Contribution ID: 38

Type: **not specified**

(Ultra-)Light Particles Beyond the Standard Model: Case for the New Intensity Frontier

Monday 25 October 2010 18:45 (12 minutes)

Presenter: RINGWALD, Andreas (DESY)

Session Classification: Neue Experimente unter Ausnutzung der DESY Infrastruktur