

2nd ET GENERAL WORKSHOP

Report of Contributions

Contribution ID: 0

Type: **not specified**

Core-Collapse Supernova and Long-Soft GRB Science Goals with ET

Wednesday, 14 October 2009 15:00 (20 minutes)

Primary author: Dr OTT, Christian (Caltech and Niels Bohr Institute)

Presenter: Dr OTT, Christian (Caltech and Niels Bohr Institute)

Session Classification: WG4 - Astrophysics - 1

Track Classification: WP4: Astrophysics

Contribution ID: 1

Type: **not specified**

Testing star formation models with ET

Wednesday, 14 October 2009 15:40 (20 minutes)

Primary author: Dr VAN DEN BROECK, Christian (Nikhef)

Presenter: Dr VAN DEN BROECK, Christian (Nikhef)

Session Classification: WG4 - Astrophysics - 1

Track Classification: WP4: Astrophysics

Contribution ID: 2

Type: **not specified**

IMBH binaries and ET

Contribution ID: 3

Type: **not specified**

Exploring intermediate and massive black-hole binaries with IMRI sources

Wednesday, 14 October 2009 15:20 (20 minutes)

Presenter: Dr GAIR, Jonathan (University of Cambridge)

Session Classification: WG4 - Astrophysics - 1

Contribution ID: 4

Type: **not specified**

Accurate SNR and parameter estimation calculations for ET

Wednesday, 14 October 2009 17:00 (20 minutes)

Presenter: Dr HUERTA, Eliu (IoA, Cambridge)

Session Classification: WG4 - Astrophysics - 2

Track Classification: WP4: Astrophysics

Contribution ID: 5

Type: **not specified**

Stochastic backgrounds and the early universe the Einstein Telescope

Wednesday, 14 October 2009 17:20 (20 minutes)

Presenter: Dr DENT, Thomas (Cardiff University)

Session Classification: WG4 - Astrophysics - 2

Contribution ID: 6

Type: **not specified**

Testing GR with ET

Wednesday, 14 October 2009 18:00 (20 minutes)

Presenter: Dr DEL POZZO, Walter (University of Birmingham)

Session Classification: WG4 - Astrophysics - 2

Contribution ID: 7

Type: **not specified**

Computing infrastructure for ET

Wednesday, 14 October 2009 18:20 (20 minutes)

Presenter: Dr BOSI, Leone Battista (INFN Perugia)

Session Classification: WG4 - Astrophysics - 2

Contribution ID: 8

Type: **not specified**

Grid computing for ET

Presenter: Dr DEBRECZENI, Gergely (MTA KFKI RMKI)

Contribution ID: 9

Type: **not specified**

Thermal Noise Modeling

Thursday, 15 October 2009 08:30 (20 minutes)

Presenter: PUPPO, Paola (RM1)

Session Classification: WG2 - Suspensions and thermal noise

Contribution ID: **10**

Type: **not specified**

Thermal Noise and Material Issues for ET

Thursday, 15 October 2009 08:50 (20 minutes)

Presenter: Dr NAWRODT, Ronny

Session Classification: WG2 - Suspensions and thermal noise

Contribution ID: 11

Type: **not specified**

Mirror thermal noise and its implication on the mirror design

Thursday, 15 October 2009 09:30 (20 minutes)

Presenter: Ms FRANC, Janyce (CNRS)

Session Classification: WG2 - Suspensions and thermal noise

Contribution ID: 12

Type: **not specified**

Measurements of superattenuator performance on the VIRGO itf:a comparison with ET requirements

Thursday, 15 October 2009 09:50 (20 minutes)

Presenter: Dr BRACCINI, Stefano

Session Classification: WG2 - Suspensions and thermal noise

Contribution ID: 13

Type: **not specified**

the superattenuator upgrades and the SAFE project

Thursday, 15 October 2009 10:10 (20 minutes)

Presenter: FRASCONI, Franco (PI)

Session Classification: WG2 - Suspensions and thermal noise

Contribution ID: 14

Type: **oral presentation**

Sensor and actuators for ET

Thursday, 15 October 2009 10:50 (20 minutes)

Presenter: MAJORANA, Ettore (RM1)

Session Classification: WG2 - Suspensions and thermal noise 2

Contribution ID: 15

Type: **not specified**

Cooling issues

Thursday, 15 October 2009 11:10 (20 minutes)

Presenter: RICCI, Fulvio (RM1)

Session Classification: WG2 - Suspensions and thermal noise 2

Track Classification: WP1: Site and Infrastructures

Contribution ID: **16**

Type: **oral presentation**

Welcome talk(s)

Wednesday, 14 October 2009 14:00 (10 minutes)

Session Classification: Workshop opening session

Contribution ID: 17

Type: **not specified**

Status of the current and advanced GW detectors

Wednesday, 14 October 2009 14:10 (20 minutes)

Presenter: Dr LUECK, Harald (AEI Hannover (MPI f. gravitational Physics / Inst. f. Grav.physics
Leibniz Uni Hannover))

Session Classification: Workshop opening session

Contribution ID: **18**

Type: **not specified**

ET project status and evolution

Wednesday, 14 October 2009 14:30 (20 minutes)

Presenter: PUNTURO, Michele (PG)

Session Classification: Workshop opening session

Contribution ID: 19

Type: **not specified**

Parametrized tests of post newtonian Theory with ET

Wednesday, 14 October 2009 17:40 (20 minutes)

Presenter: Dr MISRA, Chandrakant

Session Classification: WG4 - Astrophysics - 2

Contribution ID: 20

Type: **not specified**

Squeezed light integration at GEO 600 and beyond

Thursday, 15 October 2009 15:00 (15 minutes)

Presenter: Mr KHALAIDOVSKI, Alexander

Session Classification: WG3 - Topology, geometry, Optics

Contribution ID: 21

Type: **not specified**

Squeezed light generation at 1064 nm and 1550 nm

Thursday, 15 October 2009 15:15 (15 minutes)

Presenter: Dr EBERLE, Tobias

Session Classification: WG3 - Topology, geometry, Optics

Contribution ID: 22

Type: **not specified**

Absorption measurements on silicon

Thursday, 15 October 2009 15:30 (20 minutes)

Presenter: Dr STEINLECHNER, Sebastian

Session Classification: WG3 - Topology, geometry, Optics

Contribution ID: 23

Type: **not specified**

Parametric instability of a cavity of ET

Thursday, 15 October 2009 15:50 (20 minutes)

Presenter: Dr YAMAMOTO, Kazuhiro

Session Classification: WG3 - Topology, geometry, Optics

Contribution ID: 24

Type: **not specified**

Displacement Noise Free Interferometry

Thursday, 15 October 2009 17:20 (20 minutes)

Presenter: Dr TARABRIN, Sergey

Session Classification: WG3 - Topology, geometry, Optics - 2

Contribution ID: 25

Type: **not specified**

Thermal Noise Reduction through LG modes

Thursday, 15 October 2009 16:10 (15 minutes)

Presenter: Dr FRANC, Janyce

Session Classification: WG3 - Topology, geometry, Optics

Contribution ID: 26

Type: **not specified**

LG Mode Generation

Thursday, 15 October 2009 16:25 (15 minutes)

Presenter: Dr KOKEYAMA, Keiko

Session Classification: WG3 - Topology, geometry, Optics

Contribution ID: 27

Type: **not specified**

xylophone topologies

Thursday, 15 October 2009 17:40 (25 minutes)

Presenter: Dr HILD, stefan

Session Classification: WG3 - Topology, geometry, Optics - 2

Contribution ID: 28

Type: **not specified**

Topology comparison RSE vs. Sagnac using GWINC

Thursday, 15 October 2009 18:05 (25 minutes)

Presenter: Dr CHELKOWSKI, Simon

Session Classification: WG3 - Topology, geometry, Optics - 2

Contribution ID: 29

Type: **not specified**

Next steps: from technology reviews to detector design

Thursday, 15 October 2009 18:30 (30 minutes)

Presenter: Dr FREISE, Andreas

Session Classification: WG3 - Topology, geometry, Optics - 2

Contribution ID: **30**

Type: **not specified**

Multi-messengers in ET

Wednesday, 14 October 2009 16:00 (20 minutes)

Presenter: Dr HENDRY, Martin

Session Classification: WG4 - Astrophysics - 1

Contribution ID: 31

Type: **not specified**

Status plans for ET WG1

Friday, 16 October 2009 09:20 (20 minutes)

Presenter: Prof. VAN DEN BRAND, Jo (Nikhef - VU)

Session Classification: WG1 - Site Issue

Contribution ID: 32

Type: **not specified**

Suspension an Mirror Cooling : impact on the infrastructure

Friday, 16 October 2009 09:40 (15 minutes)

Presenter: RICCI, Fulvio (RM1)

Session Classification: WG1 - Site Issue

Contribution ID: 33

Type: **not specified**

Cultural Noise Measurements for Particle Accelerator Site selection

Friday, 16 October 2009 09:55 (20 minutes)

Presenter: Dr EHRlichmann, Heiko

Session Classification: WG1 - Site Issue

Contribution ID: **34**

Type: **not specified**

Plans for IliasNext

Friday, 16 October 2009 10:15 (15 minutes)

Presenter: ROCCHI, Alessio (RM2)

Session Classification: WG1 - Site Issue

Contribution ID: 35

Type: **not specified**

Possible candidates for the site of ET

Friday, 16 October 2009 10:30 (20 minutes)

Presenter: Dr RACZ, Istvan

Session Classification: WG1 - Site Issue

Contribution ID: 36

Type: **not specified**

Gravity gradient noise: estimates and reduction strategies

Friday, 16 October 2009 11:30 (20 minutes)

Presenter: CELLA, Giancarlo (PI)

Session Classification: WG1 - Site issues - 2

Contribution ID: 37

Type: **not specified**

GGN subtraction in homogeneous media

Friday, 16 October 2009 11:50 (20 minutes)

Presenter: Dr HARMS, Jan

Session Classification: WG1 - Site issues - 2

Contribution ID: **38**

Type: **not specified**

Sensing and subtraction of GGN

Friday, 16 October 2009 12:25 (15 minutes)

Presenter: Dr RABELING, David

Session Classification: WG1 - Site issues - 2

Contribution ID: 39

Type: **not specified**

FEA of GGN for subterranean gravitational wave detectors

Friday, 16 October 2009 12:10 (15 minutes)

Presenter: Dr BEKER, Mark

Session Classification: WG1 - Site issues - 2

Contribution ID: 40

Type: **not specified**

Aspects of seismic noise detection for GGN suppression

Friday, 16 October 2009 12:40 (20 minutes)

Presenter: Dr DESALVO, Riccardo

Session Classification: WG1 - Site issues - 2

Contribution ID: 41

Type: **not specified**

Cryogenic Si-Si Bond Strength Testing

Thursday, 15 October 2009 09:10 (20 minutes)

Presenter: Dr BEVERIGDE, Nicola

Session Classification: WG2 - Suspensions and thermal noise

Contribution ID: 42

Type: **not specified**

Conclusive remarks

Friday, 16 October 2009 13:00 (10 minutes)

Presenter: Dr LUECK, Harald (AEI Hannover (MPI f. gravitational Physics / Inst. f. Grav.physics Leibniz Uni Hannover))

Session Classification: Conclusive remarks