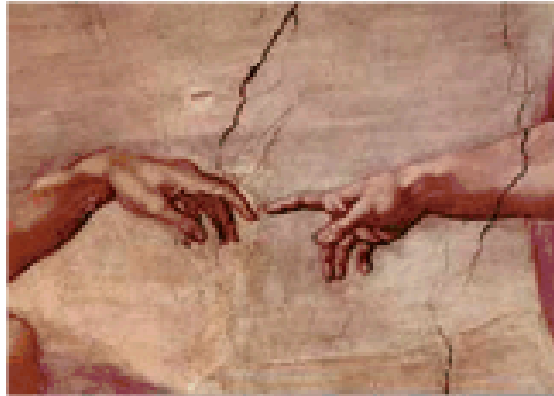


ET-ILIAS_GWA joint meeting



Report of Contributions

Contribution ID: 1

Type: **oral presentation**

ILIAS WP3 activity report and ET organization

Tuesday 25 November 2008 08:30 (30 minutes)

Authors: Dr LUECK, Harald (MPG, Hannover); PUNTURO, Michele (PG)

Presenter: Dr LUECK, Harald (MPG, Hannover)

Session Classification: Joint ET WP5 - ILIAS WP3: European GW research strategy

Track Classification: Joint ET - ILIAS WP3

Contribution ID: 2

Type: **oral presentation**

Virgo+ upgrade and commissioning

Tuesday 25 November 2008 12:20 (20 minutes)

Author: Dr CALLONI, Enrico (INFN Napoli)

Presenter: Dr CALLONI, Enrico (INFN Napoli)

Session Classification: ILIAS WP1 : Current GW detectors upgrade and commissioning

Track Classification: ILIAS WP1

Contribution ID: 3

Type: **oral presentation**

ILIAS WP1 activity report

Tuesday 25 November 2008 12:00 (20 minutes)

Authors: LOSURDO, Giovanni (FI); Dr IK SIONG, Heng (University of Glasgow)

Presenter: LOSURDO, Giovanni (FI)

Session Classification: ILIAS WP1 : Current GW detectors upgrade and commissioning

Track Classification: ILIAS WP1

Contribution ID: 4

Type: **oral presentation**

GEO600 upgrade commissioning

Tuesday 25 November 2008 12:40 (20 minutes)

Author: Dr LUECK, Harald (MPG, Hannover)

Presenter: Dr LUECK, Harald (MPG, Hannover)

Session Classification: ILIAS WP1 : Current GW detectors upgrade and commissioning

Track Classification: ILIAS WP1

Contribution ID: 5

Type: **not specified**

SN neutrinos as an external trigger for GW search

Wednesday 26 November 2008 10:50 (40 minutes)

Presenter: PAGLIAROLI, Giulia

Session Classification: ILIAS WP2: workshop on Supernovae, neutrinos and gravitational waves (2)

Contribution ID: 6

Type: **not specified**

Data Analysis

Wednesday 26 November 2008 11:30 (40 minutes)

Author: CHATTERJI, Shourov

Presenter: CHATTERJI, Shourov

Session Classification: ILLAS WP2: workshop on Supernovae, neutrinos and gravitational waves (2)

Contribution ID: 7

Type: **not specified**

Towards joint searches of gravitational waves and high-energy neutrinos

Wednesday 26 November 2008 12:35 (25 minutes)

Presenter: CHASSANDE-MOTTIN, Eric

Session Classification: ILIAS WP2: workshop on Supernovae, neutrinos and gravitational waves (2)

Contribution ID: 8

Type: **not specified**

The gravitational wave signal of core collapse supernovae

Wednesday 26 November 2008 08:30 (40 minutes)

Presenter: MUELLER, Ewald

Session Classification: ILIAS WP2: workshop on Supernovae, neutrinos and gravitational waves

Contribution ID: 9

Type: **not specified**

Neutrino signals from core-collapse events

Wednesday 26 November 2008 09:10 (40 minutes)

Presenter: JANKA, Thomas

Session Classification: ILIAS WP2: workshop on Supernovae, neutrinos and gravitational waves

Contribution ID: **10**

Type: **not specified**

SN neutrino detection and perpectives

Wednesday 26 November 2008 09:50 (40 minutes)

Author: IANNI, Aldo

Presenter: IANNI, Aldo

Session Classification: ILLAS WP2: workshop on Supernovae, neutrinos and gravitational waves

Contribution ID: 11

Type: **oral presentation**

Progress report on the prototypes of the DUAL detector: capacitive selective readout

Monday 24 November 2008 16:30 (15 minutes)

Authors: VINANTE, Andrea; PONTIN, Antonio; PRODI, Giovanni A.; ZENDRI, Jean-Pierre; BONALDI, Michele; LEACI, Paola; FALFERI, Paolo

Presenter: PONTIN, Antonio

Session Classification: Joint STREGA (JR3) - ET WP2: Thermal noise R&D and future suspension design

Contribution ID: **12**

Type: **not specified**

FEM formulation for thermoelastic damping in thin plates

Authors: SERRA, Enrico; BONALDI, Michele

Presenter: SERRA, Enrico

Contribution ID: 13

Type: **not specified**

Particle interaction with resonant detectors: cosmic ray detection and RAP experiment

Monday 24 November 2008 15:35 (20 minutes)

Authors: MODESTINO, Giuseppina (LNF- INFN); RAP COLLABORATION; ROG COLLABORATION

Presenter: MODESTINO, Giuseppina (LNF- INFN)

Session Classification: Joint STREGA (JR3) - ET WP2: Thermal noise R&D and future suspension design

Contribution ID: 14

Type: **not specified**

Low temperature dissipation in coating materials

Monday 24 November 2008 15:00 (20 minutes)

Author: REID, Stuart

Presenter: REID, Stuart

Session Classification: Joint STREGA (JR3) - ET WP2: Thermal noise R&D and future suspension design

Contribution ID: 15

Type: **not specified**

Hydroxide catalysis bonding of silicon in Glasgow

Monday 24 November 2008 16:15 (15 minutes)

Author: VAN VEGGEL, Marielle

Presenter: VAN VEGGEL, Marielle

Session Classification: Joint STREGA (JR3) - ET WP2: Thermal noise R&D and future suspension design

Contribution ID: 16

Type: **not specified**

A full scale cryogenic payload for 3rd generation GW Interferometers

Monday 24 November 2008 17:30 (20 minutes)

Authors: PASQUALETTI, A.; MAJORANA, E.; ANTONUCCI, F.; FRASCONI, F.; RICCI, F.; PERCIBALLI, M.; RAPAGNANI, P.; PUPPO, Paola; PASSAQUIETI, R.

Presenter: PUPPO, Paola

Session Classification: Joint STREGA (JR3) - ET WP2: Thermal noise R&D and future suspension design

Contribution ID: 17

Type: **not specified**

Loss measurements in bulk materials at low temperatures

Monday 24 November 2008 14:25 (20 minutes)

Authors: TUENNERMANN3, A.; SCHWARZ, C.; HEINERT, D.; SEIDEL, P.; NAWRODT, R.; VODEL, W.

Presenter: HEINERT, D.

Session Classification: Joint STREGA (JR3) - ET WP2: Thermal noise R&D and future suspension design

Contribution ID: **18**

Type: **not specified**

2nd talk from Jena

Contribution ID: **19**

Type: **not specified**

Characterization of the PACO Prototype

Monday 24 November 2008 17:15 (15 minutes)

Author: PARODI, Renzo

Co-authors: PICASSO, Emilio; BALLANTINI, Renzo; VACCARONE, Renzo

Presenter: PARODI, Renzo

Session Classification: Joint STREGA (JR3) - ET WP2: Thermal noise R&D and future suspension design

Contribution ID: **20**

Type: **not specified**

Birth of the Gravitational Waves search in Italy

Monday 24 November 2008 18:20 (1 hour)

Author: PIZZELLA, Guido (LNF)

Presenter: PIZZELLA, Guido (LNF)

Session Classification: Seminar: Birth of the Gravitational Waves search in Italy

Contribution ID: **21**

Type: **not specified**

Plans for WG3

Tuesday 25 November 2008 09:00 (20 minutes)

Author: Dr FREISE, Andreas (University of Birmingham)

Presenter: Dr FREISE, Andreas (University of Birmingham)

Session Classification: ET WP3: Interferometry topology

Contribution ID: 22

Type: **not specified**

The ET sensitivity curve with conventional techniques

Tuesday 25 November 2008 09:20 (20 minutes)

Author: Dr HILD, Stefan (University of Birmingham)

Presenter: Dr HILD, Stefan (University of Birmingham)

Session Classification: ET WP3: Interferometry topology

Contribution ID: 23

Type: **not specified**

Overview of quantum noise suppression techniques

Tuesday 25 November 2008 10:00 (40 minutes)

Author: Mr MUELLER-EBHARDT, Helge (AEI Hannover)

Co-author: Mr REHBEIN, Henning (AEI Hannover)

Presenters: Mr MUELLER-EBHARDT, Helge (AEI Hannover); Mr REHBEIN, Henning (AEI Hannover)

Session Classification: ET WP3: Interferometry topology

Contribution ID: 24

Type: **not specified**

Comparing different detector topologies

Tuesday 25 November 2008 09:40 (20 minutes)

Author: Dr MOURS, Benoit (LAPP Annecy)

Presenter: Dr MOURS, Benoit (LAPP Annecy)

Session Classification: ET WP3: Interferometry topology

Contribution ID: 25

Type: **not specified**

Detection noise and quantun fluctuations amplification

Tuesday 25 November 2008 10:40 (20 minutes)

Author: Dr CELLA, Giancarlo (INFN Pisa)

Presenter: Dr CELLA, Giancarlo (INFN Pisa)

Session Classification: ET WP3: Interferometry topology

Contribution ID: 26

Type: **not specified**

High-power lasers and their stabilization

Tuesday 25 November 2008 11:20 (20 minutes)

Author: Dr WILLKE, Benno (AEI Hannover)

Presenter: Dr WILLKE, Benno (AEI Hannover)

Session Classification: ET-WP3: Interferometry Topology (2)

Contribution ID: 27

Type: **oral presentation**

Squeezing for future GW detectors

Tuesday 25 November 2008 11:40 (20 minutes)

Presenter: KHALAIDOVSKI, Khalaidovski (MPG)

Session Classification: ET-WP3: Interferometry Topology (2)

Track Classification: ET WP3

Contribution ID: **28**

Type: **not specified**

The Antares Neutrino Telescope: Status report

Wednesday 26 November 2008 12:10 (25 minutes)

Author: BARET, Bruny

Presenter: BARET, Bruny

Session Classification: ILLAS WP2: workshop on Supernovae, neutrinos and gravitational waves (2)

Contribution ID: 29

Type: **not specified**

Site selection and infrastructure for ET

Tuesday 25 November 2008 14:20 (15 minutes)

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

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

Session Classification: ET WP1: Infrastructures for 3rd generation GW detectors

Contribution ID: 30

Type: **not specified**

Search for surface site in Germany, underground detector configuration

Tuesday 25 November 2008 14:35 (15 minutes)

Author: Dr RUEDIGER, Albrecht (AEI)

Presenter: Dr RUEDIGER, Albrecht (AEI)

Session Classification: ET WP1: Infrastructures for 3rd generation GW detectors

Contribution ID: **31**

Type: **not specified**

Seismic data from Homestake

Tuesday 25 November 2008 14:50 (15 minutes)

Author: Mr SAJEVA, Angelo (Univ. of Pisa)

Presenter: Mr SAJEVA, Angelo (Univ. of Pisa)

Session Classification: ET WP1: Infrastructures for 3rd generation GW detectors

Contribution ID: **32**

Type: **not specified**

ET and micro-seismic noise

Tuesday 25 November 2008 15:05 (15 minutes)

Author: Prof. PLASTINO, Wolfango (RM3)

Presenter: Prof. PLASTINO, Wolfango (RM3)

Session Classification: ET WP1: Infrastructures for 3rd generation GW detectors

Contribution ID: 33

Type: **oral presentation**

Progress report on the prototypes of the DUAL detector: optical readout

Monday 24 November 2008 16:45 (15 minutes)

Authors: MARIN, Francesco; MARINO, Francesco; ANDERLINI, M.

Presenter: MARINO, Francesco

Session Classification: Joint STREGA (JR3) - ET WP2: Thermal noise R&D and future suspension design

Contribution ID: 34

Type: **not specified**

Dissipation properties in metal springs

Monday 24 November 2008 17:00 (15 minutes)

Authors: DI CINTIO, Arianna; ASCIONE, Maria; DE SALVO, Riccardo

Presenter: DI CINTIO, Arianna (LIGO- Caltech & University of Rome la Sapienza)

Session Classification: Joint STREGA (JR3) - ET WP2: Thermal noise R&D and future suspension design

Contribution ID: 35

Type: **not specified**

Evolution of compact binary rates to high redshifts

Tuesday 25 November 2008 15:30 (20 minutes)

Author: Dr BULIK, T (Warsaw)

Presenter: Dr BULIK, T (Warsaw)

Session Classification: ET WP4: Astrophysics issues for ET

Contribution ID: 36

Type: **not specified**

Binary source modelling for ET

Tuesday 25 November 2008 17:30 (20 minutes)

Author: Prof. REZZOLLA, L. (Golm)

Presenter: Prof. REZZOLLA, L. (Golm)

Session Classification: ET WP4: Astrophysics issues for ET

Contribution ID: 37

Type: **not specified**

BNS foreground and background in ET

Tuesday 25 November 2008 15:50 (20 minutes)

Author: Dr REGIMBAU, T. (Nice)

Presenter: Dr REGIMBAU, T. (Nice)

Session Classification: ET WP4: Astrophysics issues for ET

Contribution ID: 38

Type: **not specified**

Measuring the mass function of neutron stars with ET

Tuesday 25 November 2008 16:30 (20 minutes)

Author: Dr VAN DEN BROECK, C. (Cardiff)

Presenter: Dr VAN DEN BROECK, C. (Cardiff)

Session Classification: ET WP4: Astrophysics issues for ET

Contribution ID: 39

Type: **not specified**

Intermediate black hole binaries in ET

Tuesday 25 November 2008 16:10 (20 minutes)

Author: Dr GAIR, J. (Cambridge)

Presenter: Dr GAIR, J. (Cambridge)

Session Classification: ET WP4: Astrophysics issues for ET

Contribution ID: 40

Type: **not specified**

Glitches, mountains and instabilities

Tuesday 25 November 2008 17:50 (20 minutes)

Author: Dr GLAMPEDAKIS, K. (Tuebingen)

Presenter: Dr GLAMPEDAKIS, K. (Tuebingen)

Session Classification: ET WP4: Astrophysics issues for ET

Contribution ID: 41

Type: **not specified**

ET searches for gamma-ray bursts

Tuesday 25 November 2008 18:50 (20 minutes)

Author: Dr JONES, G. (Cardiff)

Presenter: Dr JONES, G. (Cardiff)

Session Classification: ET WP4: Astrophysics issues for ET

Contribution ID: 42

Type: **not specified**

Localizing binary sources in ET and measuring their parameters

Tuesday 25 November 2008 16:50 (20 minutes)

Author: Dr BOSE, S. (Pullman)

Presenter: Dr BOSE, S. (Pullman)

Session Classification: ET WP4: Astrophysics issues for ET

Contribution ID: 43

Type: **not specified**

Continuous wave searches with ET

Tuesday 25 November 2008 18:10 (20 minutes)

Author: Dr KRISHNAN, B. (Golm)

Presenter: Dr KRISHNAN, B. (Golm)

Session Classification: ET WP4: Astrophysics issues for ET

Contribution ID: 44

Type: **not specified**

Evolution of computational infrastructure over the next decade

Tuesday 25 November 2008 19:10 (20 minutes)

Author: Dr BOSI, L. (Perugia)

Presenter: Dr BOSI, L. (Perugia)

Session Classification: ET WP4: Astrophysics issues for ET

Contribution ID: 45

Type: **not specified**

How can multi-messenger astronomy benefit ET

Tuesday 25 November 2008 18:30 (20 minutes)

Author: CHASSANDE-MOTTIN, Eric

Presenter: CHASSANDE-MOTTIN, Eric

Session Classification: ET WP4: Astrophysics issues for ET

Contribution ID: 46

Type: **not specified**

Characterization of Ti:Ta₂O₅ coatings

Monday 24 November 2008 15:20 (15 minutes)

Authors: SASSOLAS, B.; COMTET, C.; MICHEL, C.; PINARD, L.; MORGADO, Nazario; FLAMINIO, R.

Presenter: MORGADO, Nazario

Session Classification: Joint STREGA (JR3) - ET WP2: Thermal noise R&D and future suspension design

Contribution ID: 47

Type: **not specified**

Status repor of material research for DUAL

Monday 24 November 2008 14:45 (15 minutes)

Authors: MARANER, Antonella; SERRA, Enrico; ZENDRI, Jean-Pierre; CONTI, Livia; FERRARIO, Lorenza; TAFFARELLO, Luca; CERDONIO, Massimo; BIGNOTTO, Michele; BONALDI, Michele; LIGUORI, Nicola

Presenter: LIGUORI, Nicola

Session Classification: Joint STREGA (JR3) - ET WP2: Thermal noise R&D and future suspension design

Contribution ID: 48

Type: **not specified**

STREGA: news and communications

Monday 24 November 2008 14:10 (10 minutes)

Author: BASSAN, Massimo

Presenter: BASSAN, Massimo

Session Classification: Joint STREGA (JR3) - ET WP2: Thermal noise R&D and future suspension design

Contribution ID: 49

Type: **not specified**

Welcome talk

Monday 24 November 2008 14:00 (5 minutes)

Author: Dr COLAS, Jacques (European Gravitational Observatory)

Presenter: Dr COLAS, Jacques (European Gravitational Observatory)

Session Classification: Meeting Opening and Welcome

Contribution ID: 50

Type: **oral presentation**

Meeting IntroductionTalk

Monday 24 November 2008 14:05 (5 minutes)

Author: PUNTURO, Michele (PG)

Presenter: PUNTURO, Michele (PG)

Session Classification: Meeting Opening and Welcome

Contribution ID: 51

Type: **not specified**

STREGA: news and communications

Presenter: BASSAN, Massimo (RM2)

Contribution ID: 52

Type: **not specified**

ET - WP2 Startup

Monday 24 November 2008 14:20 (5 minutes)

Presenter: RICCI, Fulvio (RM1)

Session Classification: Joint STREGA (JR3) - ET WP2: Thermal noise R&D and future suspension design