Lunedì mattina Vacuum Fluctuations in QED/nanoscale theory

**9:15 – 10:30 (Rosa)**

40 +5’ Palazandras: Casimir general

25 +5’’ B. Soda (kempf): Casimir in superconductors

10:30 – 10:45 coffee

**10:45 – 12:25 (Lambiase)**

20’+5’ A. . Tagliacozzo: HTc Superconductors

20’+5 - L. Rosa: Casimir in multilayer

20’+5 – D. Fermi: Approaches in Casimir

20+5’ – Gabriella: YBCO production and tests

12:30 – 15:00 Lunch

Lunedì primo pomeriggio: Gravitation experiments

**15:00 – 16:20 – (Calloni/Stornaiolo)**

20’+5 A. Allocca – Virgo Status

20’+5 T. Tomaru – Kagra Status

20’+5 ??? – LIGO status (TBC)

Lunedì secondo pomeriggio:

16:40 – 17:55

20’+5 - P. Puppo - Archimedes

20’+5 – B. Canuel - MIGA

20’+5 – TBD

***Totale Lunedì: 12 Talks 2 Celle da riempire***

Martedi Prima Mattina Vacuum fluctuation in QED experiments

9:00 – 10:30 (Zavattini)

20+5’ - F Della Valle: Vacuum Birifringence with ellipsometry

20+5’ - F. Couchot: Refraction of light by light

20+5’ -- TBD: Vacuum Birifringence in LHC

10:30—11:00 Coffee

11:00 –12:30 (Zavattini)

20+5’: B. King: Vacuum birefringence with x-rays

20+ 5’: R. Turolla: Vacuum Birifringence in Astronomy

20+5’ : F. Couchot: Vacuum refraction index and Cosmological expansion

-----------------------------------------------------------------------------------------------------------------------------------------------12:30 –14:30 Lunch

Martedì pomeriggio : Vacuum Fluctuations and Gravitation: theory

**14:30 – 16:20 (Maggiore)**

35’+5’ M. Maggiore: Vacuum fluctuations and gravity

25’+5’ G. Lambiase: Vacuum fluctuations and gravity observables

15’+5’ R. Garattini: Vacuum fluctuations and wormholes

15’+5’ E. Belgacem: Cosmological model and GW propagation

16:20 – 16:40 Coffee

**16:40 – 18:05 (Maggiore)**

40’+5 – G. Ingold

15’+5’ Sorge: vacuum fluctuations and gravity

15’+5’ F. Tafuri – Fluctuation experiment in superconductors

18:05 – 18:20 Coffee Breack

18:20 – 19:20 round table – Vacuum fluctuations, superconductors and gravity – toward a deep understanding of effects in real materials

***Totale Martedì 13 Talks – Tutti completi (LHC dirà lo speaker in seguito)***

Mercoledi Mattina

9:00 – 10:30

**Undergorund Gravitational experiment (Puppo)**

25+5’ G. Fiorillo Dark Matter search with Darkside (TBC)

25+’5 G. De Lellis – Dark Matter and NEWS experiments (TBC)

25+5’ Ricci: ET

10:30 – 10:50 Coffee Breack

25+5’ T. Tomaru: The future of Kagra (TBC)

20+5’ L. DI Fiore: LAG (TBC)

20+5’ A. Di Crescenzo: Emulsion techniques from Dark-matter to Exotic searches (TBC)

***Totale Mercoledì 6 talks di cui 5 da confermare - tutti contattati***

Giovedì Mattina

**Instrumentations and underground characterization**

9:00—10:30 Coffee

25+5 M.L. Conor: Ligo Suspension System

25+5 A. Matas: Homestake site

25+5 P. Ván: Matra site

10:30—10:50 Coffee

10:50 –12:55 (Canuel)

25+5’ Tomek Bulik: Polgraw site studies

25+5’ Soumen Koley: Three Border Region  
20 + 5’ Stefano Cuccuru: Geological studies at Sardinia site

20+5’ R. Kovacs: NN calculations and modeling

-----------------------------------------------------------------------------------------------------------------------------------------------12:30 –15:00 Lunch

Giovedì primo pomeriggio : Newtonian and underground instrumentations

14:30 – 16:00 (Harms)

40’+5’ J. Harms: NN status of the Art

20’+5’ Francesca Badaracco: underground NN cancellation

15’+5’ R. De Rosa: environmental sensors network in Sos-Enattos

16:00 – 16: 20 Coffee Breack

16:20 – 17:35 (D’Urso)

20+5 – M. De Laurentis: Squeezing Vacuum Fluctuations

20+5 – L. Naticchioni: Polis (TBC)

20+ 5’ – V. Sequino: EPR in Virgo

17:35 – Social Event

***13 Talks tutti confermati eccetto 1 TBC Contattato***

Venerdì Prima Mattina **Instrumentations in High Sensitivity Force Detectors**

9:00 – 10:15 Instrumentations (Ricci)

20+5’ F. Frasconi: Virgo Isolation system (TBC)

20 +5 ‘ F. Garufi (TBC)

20+5’ A. Pasqualetti: vacuum in Virgo and perspectives

10:15—10:45 Coffee

Venerdì tarda mattina instrumentations

10:45 –12:30 (Cardini TBC)

15’+5’ L. Errico – Wideband high dynamic range tiltmeter

20’+5’ P. Rapagnani: Criogenics and underground tecniques

20+5’ A. Chiummo: Diffused Light in Virgo and future prospects

-----------------------------------------------------------------------------------------------------------------------------------------------12:30 –15:00 Lunch

Venerdì primo pomeriggio : intrumentations

15:00 – 16:20

15’+5’ :

15’+5’

15’+5’ E. Calloni: Concluding remarks

16:20 – 16:40 Coffee

***Totale 9 Talks: 5 Certi – 2 TBC – 2 Celle da riempire***

**TOTALE TALKS DELLA CONFERENZA: Numero Talks: 53** – Numero Certi: 41 – Numero TBC contattati: 8 – Numero celle da riempire: 4 (2 il lunedì pomeriggio e 2 il Venerdi pomeriggio).

**TOTALE PRESENTI ALLA CONFERENZA: Numero presenti: 53 + 2** -- Partecipanti Sicuri e Noti: 40 – Partecipanti con talk TBC contattati: 8 – Partecipanti con talk ignoti ma sicuri: 1 (LHC) – Numero organizzatori presenti senza talk: 3 (Cardini - D’Urso + PerciVirgo) – Presenti senza Talk: 1 (Oggiano)

Non conteggiati: Carpinelli, Pallavicini