



Groupe de travail
« Développement des
détecteurs »

Matteo Barsuglia

Remi Geiger

Assemblée Générale GdR

October 19 2018

Goals of the working group

59 members

- Increase relationships between experimentalists working on different GW detectors
- Exchange expertise
- Foster possible collaborations

1st meeting

- 1/2 day
- ~ 20 participants
- Remote connection available

- Current and planned instruments
- Transversal items
- New ideas (cubesat SAGE)

Réunion du groupe de travail "développement de détecteurs" du GDR Ondes Gravitationnelles

chaired by Rémi Geiger, Nicolas Arnaud (LAL & EGO)

Wednesday, 20 June 2018 from 13:00 to 17:30 (Europe/Paris)
at **Observatoire de Paris (salle Danjon)**
77, avenue Denfert Rochereau

Participants Ouali Acef; Nicolas Arnaud; Matteo Barsuglia; Christelle Buy; Walid Chaibi; Nelson Christensen; Francois-Xavier Esnault; Rémi Geiger; Romain Gouaty; Sylvestre Lacour; Nicolas Leroy; Camille Lorring; Thomas Lévêque; Nary MAN; Joseph Martino; Was Michal; Catherine Nguyen; Isabelle Petitbon; Antoine PETITEAU; Benoit Sassolas

Support Email: remi.geiger@obspm.fr

Wednesday, 20 June 2018

- 13:00 - 13:10 Welcome 10'
Speakers: Rémi Geiger, Matteo Barsuglia
Material: [agenda](#) 
- 13:10 - 13:35 The Virgo detector 25'
Speaker: Nicolas Leroy
Material: [Transparents](#) 
- 13:35 - 14:00 The LISA Mission 25'
Speakers: Antoine Petiteau, Joseph Martino
Material: [Transparents](#) 
- 14:00 - 14:25 MIGA 25'
Speaker: Philippe Bouyet
Material: [Transparents](#) 
- 14:25 - 14:50 Pulsar Timing Array 25'
Speaker: Ismael Cognard
Material: [Transparents](#) 
- 14:50 - 15:15 Cubesat 25'
Speaker: Sylvestre Lacour
Material: [Transparents](#)  
- 15:15 - 15:40 Pause
- 15:40 - 16:05 High power fiber lasers 25'
Speaker: Walid Chaibi
Material: [Transparents](#) 
- 16:05 - 16:30 Scattered ligh 25'
Speaker: Christelle Buy
Material: [Transparents](#)  
- 16:30 - 16:55 Characterization of the interferometer noise 25'
Speaker: Michal Was
Material: [Transparents](#) 
- 16:55 - 17:30 Discussion 35'

Transversal items

Already discussed

- Scattered light (a GdR technical note or publication?)
- High power lasers
- Noise analysis

Potential transversal subjects

- Newtonian noise
- Laser frequency noise (a GdR technical note or publication?)
- Suspension system
- Cryogenics
- DAQ

Next meetings

2 meetings in 2019

- Instruments highlights
- Transversal items
- Einstein Telescope