

9th LISA Symposium 2012
May 21-25, 2012
Paris

Monday Morning May 21 plenary session

09:00 - 10:00 Registration

10:00 - 10:15 Welcome

P.Binétruy (APC)

LISAPathfinder I
Chairman : Pierre Binetruy

10:15 - 10:45 The LISAPathfinder experiment

S.Vitale
(Univ.Trento)

10:45 - 11:15 The LISAPathfinder mission status

P.McNamara (ESA)

11:15 - 11:45 What LISAPathfinder can do for space science

M.Cruise
(Birmingham)

12:00 - 14:00 Lunch @ BnF

Monday Afternoon May 21 plenary session

eLISA/NGO
Chairman : Oliver Jennrich

14:00 - 14:50 General overview and status

K.Danzmann (AEI)

14:50 - 15:40 eLISA/NGO science in context

B.Schutz (AEI)

15:40 - 16:15 Coffee Break

eLISA/NGO science in perspective: Astrophysical black holes
Chairman : Jonathan Gair

16:15 - 16:45 The black hole in the galactic centre

S.Gillesen (MPG)

16:45 - 17:15 Astrophysical black holes for eLISA/NGO

A.Sesana (AEI)

18:00 - 19:30 Welcome cocktail

Tuesday Morning May 22 plenary session

LISAPathfinder II
Chairman : Henry Ward

09:00 - 09:30 Science with LISAPathfinder

T.Sumner (Imperial
College)

09:30 - 10:00 LISAPathfinder data analysis

M.Nofrarias (IEEC)

10:00 - 10:30 LPF industrial flight model test campaign

F.Guzman (AEI)

10:30 - 11:00 Coffee Break

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Technology
Chairman : Pete Bender

- 11:00 - 11:30 The metrology system for NGO/eLISA G.Heinzel (AEI)
- 11:30 - 12:00 Ground testing and the noise model for LPF R.Dolesi
(Univ.Trento)
- 12:00 - 12:30 NASA gravitational waves missions concept study T.Stebbins (NASA)

12:30 - 14:00 Lunch @ BnF

14:30 - 18:30 Parallel sessions: Astrophysics and LPF/eLISA/NGO technology

20:00 Conference Dinner "Les Salons Hoche"

Wednesday Morning May 23 plenary session

eLISA/NGO science in perspective: cosmology
Chairman : Gerard Auger

- 09:00 - 09:30 The building up of supermassive black holes E.Rossi (U.Leiden)
- 09:30 - 10:00 Binary black holes through the cosmic web M.Colpi (U.Milano
Bicocca)
- 10:00 - 10:30 Cosmological backgrounds J.F.Dufaux (APC)
- 10:30 - 11:00 Coffee Break

11:00 - 12:30 ***Post NGO/eLISA decision discussion panel***

12:30 - 14:00 Lunch @ BnF

14:30 - 18:30 Parallel session: LPF/eLISA/NGO technology

Thursday Morning May 24 plenary session

Ground Detection
Chairman : Jean-Yves Vinet

- 09:00 - 09:30 Pulsar Timing R.Van Haasteren
(AEI)
- 09:30 - 09:45 GWIC Prize
- 09:45 - 10:15 LIGO/Virgo/GEO/KAGRA science R.Sturani
(U.Urbino)
- 10:15 - 10:45 Advanced LIGO : status and prospects G.Mueller
(U.Florida)

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10:45 - 11:15 Coffee Break

11:15 - 11:45 Advanced Virgo : status and prospects

J.Degallaix (LMA)

eLISA/NGO science in perspective: galacties binaries

Chairman : Philippe Jetzer

11:45 - 12:15 Galactic binaries with eLISA

G.Nelemans
(U.Radboud)

12:15 - 12:45 Observation of ultra-compact binaries

M.Kilic
(U.Oklahoma)

12:45 - 14:00 Lunch @ BnF

14:30 - 18:30

Parallel sessions: Data Analysis and Other experiments

Friday Morning May 25 plenary session

Theory

Chairman : TBD

09:00 - 09:30 Numerical relativity

D.Shoemaker
(Georgia Tech)

09:30 - 10:00 Gravitational self-force approach to EMRI

E.Poisson
(GUELPH)

10:00 - 10:30 New forces, new dimensions....the greater picture

C.Hogan (Fermilab)

10:30 - 11:00 Coffee Break

eLISA/NGO science in perspective: probing the strong gravity regime

Chairman : Stas Babak

11:00 - 11:30 Black hole parameter estimation

N.Cornish (Montana
State Univ.)

11:30 - 12:00 Testing general relativity

N.Yunes (Montana
State Univ.)

12:00 - 12:30 Progress on EMRI

C.F.Sopuerta (IEEC)

12:30 - 13:00

Conclusion and remarks

END