

**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***

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***

14:00 - 14:30 General overview and status

K.Danzmann (AEI)

14:30 - 15:20 eLISA/NGO science in context

B.Schutz (AEI)

***eLISA/NGO science in perspective: Astrophysical black holes***

15:20 - 15:50 The black hole in the galactic centre

S.Gillesen (MPG)

15:50 - 16:20 Astrophysical black holes for eLISA/NGO

A.Sesana (AEI)

16:20 - 16:50 Coffe Break

16:50 - 17:20 EM counterparts

tbd

17:30 - 18:30 Welcome cocktail

**Tuesday Morning May 22 plenary session**

***LISAPathfinder II***

09:00 - 09:30 Science with LISAPathfinder

T.Sumner (Imperial  
College)

09:30 - 10:00 LISAPathfinder data analysis

M.Nofrarias (IEEC)

11:00 - 11:30 LPF industrial flight model test campaign

F.Guzman (AEI)

10:30 - 11:00 Coffe Break

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***Technology***

- 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 eLISA/NGO

**Conferene Dinner**

**Wednesday Morning May 23 plenary session**

***eLISA/NGO science in perspective: cosmology***

- 09:00 - 09:30 Cosmological simulations and the formation of large scale structures tbd
- 09:30 - 10:00 The building up of supermassive black holes E.Rossi (U.Leiden)

10:00 - 10:30 Coffe Break

- 10:30 - 11:00 Cosmological backgrounds J.F.Dufaux (APC)

***eLISA/NGO***

- 11:00 - 11:30 Mission studies A.Gianolio (ESA)

11:30 - 12:30 ***Post NGO/eLISA discussion session***

12:30 - 14:00 Lunch @ BnF

14:30 - 18:30 Parallel sessions: LISAPathfinder

**Thursday Morning May 24 plenary session**

***Ground Detection***

- 09:00 - 09:30 Pulsar Timing R.Van Haasteren  
(AEI)
- 09:30 - 10:00 LIGO/Virgo/GEO/KAGRA science R.Sturani (U.Urbino)
- 10:00 - 10:30 Advanced LIGO : status and prospects G.Mueller (U.Florida)
- 10:30 - 11:00 Coffe Break
- 11:00 - 11:30 Advanced Virgo : status and prospects J.Degallaix (LMA)

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***eLISA/NGO science in perspective: galacties binaries***

11:30 - 12:00 Galactic binaries with eLISA

G.Nelemans  
(U.Radboud)

12:00 - 12:30 Observation of ultra-compact binaries

tbd

12:30 - 14:00 Lunch @ BnF

14:30 - 18:30

Parallel sessions: Data Analysis and other experiments

**Friday Morning May 25 plenary session**

***Theory***

09:00 - 09:30 Numerical relativity

D.Shoemaker  
(Georgia Tech)

09:30 - 10:00 Source modeling

E.Poisson (GUELPH)

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

C.Hogan (Fermilab)

10:30 - 11:00 Coffe Break

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

11:00 - 11:30 Black hole parameter estimation

N.Cornish  
(U.Montana)

11:30 - 12:00 Testing general relativity

N.Yunes (U.Montana)

12:00 - 12:30 Progress on EMRI

C.F.Sopuerto (IEEC)

12:30 - 13:00

***Conclusion and remarks***

***END***

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