



# Programme

Version 5

IXO Science Meeting 27-29th April 2010

**Day 1 - April 27th, 2010 - start @ 2 pm. Opening and mission studies.**  
**Chair: Didier Barret**

15	Welcome adress	D. Lumb/D. Barret
20	Mission overview	D. Lumb
20	Update on the ESA studies	N. Rando
20	Update on the NASA studies	J. Grady

**Coffee break and poster viewing session (15')**

**Day 1 - April 27, 2010 - start @ 3:30 Supermassive Black Holes and Galaxy Formation**  
**Chair: Kirpal Nandra**

25	The high-redshift Universe in X-rays	A. Comastri
25	Feedback	B. McNamara
15	The relativistic reflection model for NLS1 soft X-ray broad lines	Th. Boller
15	Discovery of ultra-fast outflows in a sample of radiogalaxies	R. Sambruna

**End of day 1 around 5:15 pm**

**Day 2 - April 28th, 2010 - start @ 9am - Payload: Telescope and Instrument studies.**  
**Chair: Jay Bookbinder**

25	Update on Silicon Pore Optics development	M. Bavdaz
25	Update on Glass Optics development	A.Bamba/R. Petre
40	Payload overview after the mid-term review	D. Martin

**Coffee break and poster viewing session (15')**

**Day 2 - April 28th, 2010 - start 10:45 am - Formation of Large Scale Structure**  
**Chair: Monique Arnaud**

25	Structure formation (including synergies with EELT and Euclid)	P. Rosati
25	Cluster physics, evolution and chemical abundances	C. Jones
25	Cluster cosmology	P. Henry
15	Discovering the first galaxy group with IXO	Th. Reiprich

**End of morning session around 12:15 pm**

**Day 2 - April 28th, 2010 - start @ 2:30pm - Matter under extreme conditions (I)**  
**Chair: Andy Fabian**

25	Neutron Star Equation of State	M. Mendez
25	Fe line spectroscopy as a test of strong gravity	G. Miniutti
15	Quasar winds and IXO	M.J. Page
15	Observing AGN eclipses with IXO	G. Risaliti

**Coffee break and poster viewing session (15')**

**Day 2 - April 28th - start 4:05 pm - Matter under extreme conditions (II)**  
**Chair: Takaha Ohashi**

25	Fast timing tests of strong gravity	P. Uttley
25	Using polarimetry to test strong gravity and extreme physics	G. Matt
15	Magnetars as extremely magnetized objects	G. Israel
15	IXO view of the flaring activity of Sgr A*	D. Porquet
15	Synergies between IXO and CTA	H. Sol

**End of afternoon session around 5:40 pm**

**Day 3 - April 29th, 2010 - start @ 9 am - Chemical environment**  
**Chair: Jacco Vink**

25	Missing baryons and the WHIM	T. Ohashi
25	Cosmic ray production in Supernovae and SNR	A. Bamba

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| 25 | Heavy element production in Sne                      | U. Hwang |
| 15 | Metal abundance evolution in distant galaxy clusters | A. Baldi |

**Coffee break and poster viewing session (15')**

**Day 3 - April 29th, 2010 - start @ 10:35 am - IXO as an observatory**

**Chair: Joel Bregman**

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|----|---|-----------------------|
| 25 | Galaxy evolution across the electromagnetic spectrum (synergies with SKA) | S. Rawlings           |
| 25 | Star formation vs Black Hole growth: Synergies with SPICA                 | T. Nakagawa           |
| 15 | IXO studies of stellar coronae and star formation                         | B. Stelzer            |
| 15 | IXO studies of the solar system   | G. Branduardi-Raymont |

**End of morning session around 12:05 pm**

**Day 3 - April 29th, 2010 - start @ 2:pm - Way forward**

**Chair: Didier Barret**

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|----|---|------------|
| 20 | The Cosmic Vision Mission selection process     | F. Favata  |
| 30 | Update on JAXA studies and way forward in Japan | H. Kunieda |
| 15 | Way forward in NASA                             | N. White   |
| 15 | Way forward in ESA                              | D. Lumb    |
| 30 | Open discussions and concluding remarks         | K. Nandra  |

**End of conference around 4 pm**