

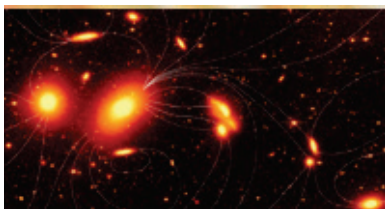
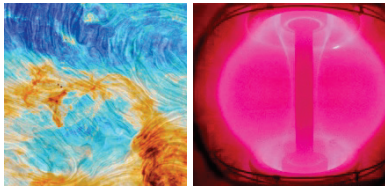
INSTITUT D'ETUDES SCIENTIFIQUES DE CARGÈSE

Cargèse International School 2015

Magnetic Fields in the Universe V : from laboratory and stars to primordial structures

October 5 - 9, 2015

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Most of the baryonic matter in the Universe is composed of ionized or partially ionized gas permeated by magnetic fields (i.e. plasma state). Magnetic fields therefore play a key role in its evolution. This conference will be the fifth edition of the series "Magnetic Fields in the Universe : from Laboratory and Stars to the primordial Structures" that, since 2004, have brought together experts involved in Astrophysical, Space and Laboratory Plasmas and young researchers. The goal of this series is to provide ample exchange of the new results and recent progress in these distinct but closely related research areas and provide the new generations with a broad perspective of the field. It has allowed cross-pollination of disciplines.

Main topics will include

- Fundamental processes
- Magnetic fields in astrophysical environments
- Numerical and observational challenges

Eminent scientists in the field will animate the workshop. These include:

Olga Alexandrova (Obs. de Paris, FR), Steve Balbus (U. Oxford, UK), Amitava Bhattacharjee (Plasma Physics Lab, Princeton, USA), Andrey Beresnyak (NRL, Washington, USA), Jean-Philippe Bernard (Obs. de Toulouse, FR), Stanislav Boldyrev (U. Wisconsin, USA), François Boulanger (IAS, Orsay, FR), Gianfranco Brunetti (INAF Bologna, IT), Blakesley Burkhart (CfA, U. Harvard, USA), Richard Crutcher (U. Illinois, USA), Klaus Dolag (USM, Munchen, DE), Emmanuel Dormy (IPGP, FR), Alejandro Esquivel (UNAM, MX), Diego Falceta-Goncalvez (U. Sao Paulo, BR), Katia Ferrière (Obs. de Toulouse, FR), Bryan Gaensler (DUNLAP, U. Toronto, CA), Elisabete de Gouveia Dal Pino (U. Sao Paulo, BR), George Heald (ASTRON, NL), Thiem Hoang (CITA, U. Toronto, CA), Hantao Ji (PPL, Princeton), Alexei Kritsuk (UC San Diego, USA), Alex Lazarian (U. Wisconsin, USA), Pierre Lesaffre (ENS, Paris FR), Hua-Bai Li (CHUK, Hong-Kong, CN), Sui-Ann Mao (MPIfR, Bonn, DE), Alexandre Marcowith (U. Montpellier, FR), Chris McKee (UC Berkeley, USA), Niels Oppermann (CITA, U. Toronto, CA), Daniela Paoletti (IAS, Bologna, IT), François Petrelis (ENS, FR), Lawrence Rudnick (Minnesota Inst. for Astrophysics, USA), Reinaldo Santos de Lima (U. Sao Paulo, BR), Lorenzo Sironi (CfA, Harvard, USA)

Scientific Committee

Rainer Beck (MPIfR, Bonn, DE), Alejandro Esquivel (UNAM, MX), Edith Falgarone (ENS, Paris, FR), José Franco (UNAM, MX), Elisabete de Gouveia Dal Pino (Univ. de Sao Paulo, BR), Alexandre Lazarian (University of Wisconsin-Madison, USA), Pierre Lesaffre (ENS, Paris, FR), Susana Lizano (UNAM, MX), Christopher McKee (Univ. of California, Berkeley, USA), Katarzyna Otmianowska-Mazur (Krakow Univ., PL), Stuart Prager (Plasma Physics Lab., Princeton, USA), Ralph Pudritz (McMaster Univ., CA), Kazunari Shibata (Kyoto Univ., JP)

Organization Committee

Viviane Bigot (Univ. Paris FR), François Levrier (ENS Paris FR), Jean-François Rabasse (ENS Paris, FR)

Application and registration

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Contact : mfu5@sciencesconf.org

Deadline Registration : 2015, September 15th

