Monday 27 May 2019
Institut d’Astrophysique de Paris, Amphithéâtre
98 bis boulevard Arago, 75014 Paris

9h00 Registration and coffee

9h30 Welcome
Francis Bernardeau (IAP) and Michel Boyancé (IPC)
Introduction — Florian Laguens (IPC)

10h00-12h Eddington and Religion
Chair: Helge Kragh

The Questing Quaker: Eddington’s religious life in science.
Matthew Stanley (New York University)

Eddington, Lodge and the Religious Roots of a “Modern” Ether.
Jaume Navarro (University of the Basque Country)

May a Quaker be a Cosmologist?
George F. R. Ellis (University of Cape Town)

12h00 Cocktail (Observatoire de Paris, Salle du Conseil)

13h30-16h Eddington on Stars and Stellar Systems
Chair: David Valls-Gabaud

André Maeder (Université de Genève)

Eddington and the Foundations of Stellar Dynamics.
James Binney (University of Oxford)

Eddington’s Approach to Star-Streams and the Structure of the Universe.
Scott Walter (Université de Nantes)

Selection Bias in Astronomical Surveys: Eddington, Malmquist and Bayes.
Martin A. Hendry (University of Glasgow)

16h00 Coffee break

16h30-18h Lemaître and Eddington
Chair: Florian Laguens

Eddington and Lemaître: Their Encounters, Their Science and Their Philosophies.
Matthew P. Wiesner (Benedictine University)

Eddington, Lemaître and the Discovery and the Expanding Universe.
Cormac O’Raifeartaigh (Waterford Institute of Technology, Dublin Institute for Advanced Studies)

When Eddington Showed an Algebraic Pathway: Georges Lemaître’s Spinor Theory.
Dominique Lambert (Université de Namur)

18h-18h30 General discussion
TUESDAY 28 MAY 2019
Observatoire de Paris, Salle du Conseil
77 avenue Denfert-Rochereau, 75014 Paris

9h30  Welcome - Claude Catala (Observatoire de Paris)

9h30-11h Operationalism and Structuralism
Chair: Huw Price

Equations, Verification, and Operations: Wittgenstein’s Remarks on Eddington.
John Preston (University of Reading)

Arthur Eddington and the Gestalt theory.
Anna Curir (Osservatorio Astronomico di Torino)

Eddington’s Structuralism: How Deep Does it Go?
Steven French (University of Leeds)

11h00  Coffee break

11h30-13h Time and consciousness
Chair: Steven French

Exceedingly Sharp and Mostly Well-Aimed – Eddington’s Arrow of Time.
Huw Price (University of Cambridge)

Eddington and Gravitational Evolution from Initial Heat Death.
Amr El-Zant (British University in Egypt)

Eddington and Bergson on Time: is There Really Something to Say about It?
Florian Laguens (IPC-Facultés Libres de Philosophie et de Psychologie)

13h00  Lunch

14h00  Private tour of Paris Observatory and exhibition

15h-17h Debates in Astrophysics and Cosmology
Chair: Gerry Gilmore

Helge Kragh (University of Copenhagen)

Relativistic Cosmological Models 1917-1934.
Jean-Pierre Luminet (Observatoire de Paris, Laboratoire d’Astrophysique de Marseille)

The Philosophical Aspects of the Eddington-Milne Debate.
Gauvain Leconte (Institut d’histoire et de philosophie des sciences et des techniques)

Eddington: Father of Matter Creation in Cosmology?
Eve-Aline Dubois (Université de Namur)

17h-17h30 General discussion

19h00  Conference Dinner at the Ciel de Paris Restaurant
(Montparnasse Tower, 56th floor, avenue du Maine, 75015 Paris)
WEDNESDAY 29 MAY 2019
Institut d’Astrophysique de Paris, Amphithéatre
98 bis boulevard Arago, 75014 Paris

9h30-11h30 The 29 May 1919 Eclipse
Chair: André Maeder

Eddington, Dyson and the Eclipse of 1919.
Daniel J. Kennefick (University of Arkansas)

The 1919 May 29 eclipse: On Accuracy and Precision.
David Valls-Gabaud (Observatoire de Paris)

The 1919 Eclipse: Were the Results Robust?
Gerry Gilmore & Gedrun Pebody (University of Cambridge)

Chasing ‘Mare’s Nests’: Eddington and the Early Reception of General Relativity among Astronomers.
Jeffrey Crelinsten (University of Toronto)

11h30 Coffee break

12h-13h General Relativity Theory
Chair: George Ellis

Eddington’s Essential Role in Clarifying the Contents of Early General Relativity.
Olivier Darrigol (Université Paris-Diderot)

Christophe Eckes (Université de Lorraine)

13h00 Lunch

14h30-15h30 From Subjectivism to Fundamental Theory
Chair: Olivier Darrigol

Eddington and the Fine Structure Constant.
Jean-Marc Lévy-Leblond (Université de Nice)

Eddington’s Epistemology as a Gateway to His Quantum Theory.
Agne Alijauskaite (Vilnius University)

15h30-16h General discussion

16h00 End of conference