



**WORKSHOP SCHEDULE:
Iron Project Meeting on "New Directions in Atomic Data Production
for Fusion and Astrophysical Plasmas", University of Mons-
Hainaut, August 2-4, 2007.**



**In honour of Prof. Michael J. Seaton,
founder of the Opacity Project and the Iron Project.**

**Thursday, August 2, 2007
Salle des Conseils, Grands Amphithéâtres**

8:30-9:00 WELCOME AND OPENING

9:00-9:50 Claude Zeippen: "Tribute to Mike Seaton"

Invited Speakers Session: General Needs in Astrophysics I

9:50-10:40 Ted Gull: "The Ejecta of Eta Carinae: Strange Abundances due to Nitrogen Chemistry or Nuclear Processes?"

10:40-11:00 COFFEE BREAK

Invited Speakers Session: General Needs in Astrophysics II

11:00-11:50 Tim Kallman: "Importance of Nickel in Astrophysical X-Ray Spectra"

11:50-13:50 LUNCH BREAK

Invited Speakers Session: Other Tools in Atomic Physics

13:50-14:40 Emile Biémont: "Oscillator Strength Determination in Heavy Atoms and Ions"

14:40-15:30 Michel Godefroid: "Dirac-Fock Calculations with the MCDFGME Package"

15:30-16:00 COFFEE BREAK

Short Talks Session

16:00-16:30 Giulio Del Zanna: "IP Data vs. EUV Solar Spectra from Hinode. Assessment of the Atomic Data and Needs"

16:30-17:00 Marcio Melendez: "Electron Impact Excitation and Radiative Transition Rates for Mn II"

17:00-17:30 Claude Zeppen: two progress reports from the Ohio State University group on Fe XV and Fe XVI

19:00-21:00 RECEPTION at the Forum, Grands Amphithéâtres

Friday, August 3, 2007

Salle des Conseils, Grands Amphithéâtres

Invited Speakers Session: NLTE Modeling and Needs in Astrophysics

9:00-9:50 Klaus Werner: "The Need for Atomic Data in Quantitative Spectroscopy of Hot Stars"

9:50-10:40 Frédéric Thévenin: "Atomic Data for Radiative Line Transfer in 3D and NLTE codes with Astrophysical Goals"

10:40-11:00 COFFEE BREAK

Short Talks Session

11:00-11:30 Giulio Del Zanna: "Progress Report on Fe¹⁰⁺"

11:30-12:00 Manuel Bautista: "Corrections to the Central Field Thomas-Fermi-Dirac Potential for Departures from the Spherical Symmetry. Applications to the Singly Ionized Iron-Peak Species."

12:00-14:00 LUNCH BREAK

Invited Speakers Session: Needs in Thermonuclear Fusion

14:00-14:50 Hugh Summers: "Plasma Model and Spectral Diagnostic Development for ITER – Selecting and Integrating Atomic Data"

Invited Speakers Session: Atomic Data Distribution

14:50-15:40 Yuri Ralchenko: "Modern Trends in Dissemination and Validation of Atomic Data"

15:40-16:10 COFFEE BREAK

Short Talks Session

16:10-16:40 Claudio Mendoza: "Second Generation Databases"

16:40-17:10 Claire Hudson: "Recent R-matrix Calculations on the Electron Impact Excitation of Mg V"

17:10-17:40 Cathy Ramsbottom: "Electron Impact Excitation of Fe-Peak Elements"

Saturday, August 4, 2007

Salle des Conseils, Grands Amphithéâtres

9:00-10:30 IP Business Session: Discussions on New Directions

10:30-11:00 COFFEE BREAK

11:00-12:30 IP Business Session: Business as Usual

12:30 MEETING ADJOURNED