



The Abdus Salam
International Centre for Theoretical Physics



Joint ITER-IAEA-ICTP Advanced Workshop on "Fusion and Plasma Physics"

October 3 - 14, 2011

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Venue: **Giambiagi Lecture Hall, Adriatico Guesthouse**

ICTP activity website: <http://agenda.ictp.it/smr.php?2267>

co-organizers: D. Campbell (ITER), G. Mank (IAEA), R. Kamendje. (IAEA),
P.K. Shukla (Bochum Univ.), J. Niemela (ICTP)

POSTER SESSION

(in collaboration with the Emerging Nations Science Foundation (ENSF)
- "Best Poster Prize")

Presentations

(as of October 12)

- "Combined Stark-Zeeman Effect in Adiabatic approximation on the spectral line shape in plasmas", **Mosbah Difallah**
- "Direct evidence of He-induced excitation process of H atoms in cooled laser plasma", **Rinda Hedwig**
- "Gasification of the Jordanian oil shale by using atmospheric air plasma jet", **Malik Al-Amayreh**
- "Measurements the Electron Temperature and Ion Density in the New BATORM", **A. Talab**
- "W and W-La₂O₃ damages after dense plasma shots", **Veroonika Shirokova**
- "Plasma Sheath Studies Using the Kinetic Trajectory Simulation Model", **Raju Khanal**
- "High-power laser-matter interaction: simulations for experiment" **Abutrab Aliverdiev**
- "Electron density diagnostic of hot plasmas using intensity ratios of emission lines from B-like Ar⁺¹³ ions", **Souad Wassila Boudghene Stambouli Rachedi**
- "Hyperfine depolarisation of the line x emitted by He-like ions from anisotropic hot plasma", **Rahma Houari Bensaid**

- 1. "Probable mechanism of the passing particles behavior in the transition region of the GAMMA 10 tandem mirror"
- 2. "On the excitation of low frequency modes in magnetized dusty plasmas", **Md. Khairul Islam**

- "Signatures of Fast Hydrogen & Nitrogen Atoms & Molecules in a DC Nitriding Machine Revealing the Role of Hydrogen on Plasma Nitriding", **Bharathi Magesh**

- Self-Consistent Modelling of Plasma Density Increase with Radio-Frequency Heating", **Yuliya Stadnik**

- 1) Data Analysis in Numerical Models of the Solar Corona
- 2) Derivation of 3D magnetic topology of solar active regions from 2D magnetograms using stereoscopy of rotation", **A. Pasqua**

- "Emissivity of Langmuir and electromagnetic collapsing wave packets in 2D electromagnetic strong turbulence", **Hassan Alinejad**

- "Sheath Structure Simulation of ECRH Plasmas Containing Multiply Charged Ions", **Mansour Khoramabadi**

- "Non-thermal Chemical Plasmas for Medical and Industrial Applications by Generated Ozone in Pulsed Power", **W. J. M. Samaranayake**