

Magnetic Fields and Neutron Star Surface

Cocoyoc, Feb. 12–14, 2007

Time	MONDAY	TUESDAY	WEDNESDAY
8:00–9:00	Breakfast	Breakfast	Breakfast
9:30–10:15	A.V. Turbiner: <i>Welcome</i> D. Page <i>Neutron Stars: Interiors–Surface(s)</i>	F. Haberl <i>The Magnificent Seven: nearby cooling neutron stars with 10^{13} G magnetic fields</i>	G.G. Pavlov <i>(TBA)</i>
10:15–11:00	M. Ruderman <i>Inferring neutron star surface magnetic fields and compositions from observations of thermal X-rays</i>	D. Baye <i>Hydrogen molecular ion in a strong magnetic field by the Lagrange–mesh method</i>	R. Turolla <i>X-ray spectra from magnetar candidates: a twist in the field</i>
	Coffee break	Coffee break	Coffee break
11:30–12:15	A. Alijah <i>H3⁺ : a key molecular ion in the universe and a challenge for theorists on earth</i>	S. Zane <i>Neutron star crustal emission: a basic, unanswered, question</i>	A.V. Turbiner <i>Molecular systems in a strong magnetic field</i>
13:30–14:30	Lunch	Lunch	Lunch
16:30–17:15	B.I. Shklovskii <i>Entropy driven insulator–metal transition in ion channels and nanopores</i>	D.E. Khmelnitskii <i>(TBA)</i>	Return to Mexico City
	Coffee break	Coffee break	
17:30–18:15	M.I. Eides <i>Recent progress in high precision QED of light hydrogenlike atoms</i>	J.C. Lopez–Vieyra <i>One–electron Coulomb systems in strong magnetic fields: classification</i>	
18:15–19:00	N. Guevara (20 min) H.O. Pilon (10 min) <i>Hydrogen molecule in a weak magnetic field</i> <i>(TBA)</i>	A.A. Migdal <i>Mass spectrum in large N CFT: 30 years later</i>	
19:30–on	Dinner	Dinner	