IPM school and conference on Particle Physics (IPP15): Neutrino physics, dark matter and B-physics

School of physics, IPM, Tehran, Iran

22-27 September 2015 (31st Shahrivar-5th Mehr 1394)

Program

School									
	09:00-09:45	09:45-10:00	10:00-12:00	12:00-14:00	14:00-16:00	16:00-16:30	16:30-18:30	18:30-19:30	19:30-20:30
Tuesday 22 Sept. 2015 (31 Shahrivar 1394)	Registration	Openning	M. Tytgat	Lunch	E. Akhmedov	Break	A. Romanino	Poster Session	Reception
	08:45-09:45	09:45-10:00	10:00-12:00	12:00-14:00	14:00-16:00	16:00-16:30	16:30-18:30	18:30-19:00	19:00-20:00
Wednesday 23 Sept. 2015 (1 Mehr 1394)	D. Meloni	Break	M. Tytgat	Lunch	E. Akhmedov	Break	A. Romanino	Break	A. Ereditato / Discussion
Thursday 24 Sept. 2015 (2 Mehr 1394)	D. Meloni	Break	M. Tytgat	Lunch	E. Akhmedov	Break	A. Romanino	Break	Discussion
Friday- Excursion									

Workshop													
	10:00-10:30	10:30-11:00	11:00-11:30	11:30-12:00	12:00-14:00	14:00-14:30	14:30-15:00	15:00-15:30	15:30-16:00	16:00-16:30	16:30-17:00	17:00-17:30	17:30-18:00
Saturday (26 Sept. 2015)	E. Akhmedov	D. Meloni	A. Romanino	C. Hagedorn	Lunch	G. Zaharijas	N. Bozorgnia	M. Tytgat	J. Heeck	Break	A. Ahriche	A. Khan	I. Turan
Sunday (27 Sept. 2015)	B. Choudhary (Skype)	S. Agarwalla (Skype)	P. Mehta	P. Bakhti	Lunch	A. Ioannisyan	A.M. Guler	Y. Pezeshkian	B. Dev	Break	A. Rezaei	Q. Exirifard	Discussion

Title of Talks	
School	
E. Akhmedov	Neutrino physics -- present status and theoretical issues.
A. Romanino	Beyond the Standard Model.
D. Meloni	Grand unification.
M. Tytgat	Lectures on dark matter.
A. Ereditato	Special talk (30'+15')-The international neutrino program at Fermilab.
Workshop	
E. Akhmedov	Another look at collective neutrino oscillations.
D. Meloni	Bimaximal neutrino mixing and GUT's.
A. Romanino	General considerations on lepton mixing.
C. Hagedorn	Predicting low and high energy phases in the lepton sector.
G. Zaharijas	Indirect searches for dark matter.
N. Bozorgnia	The dark matter distribution as predicted by cosmological simulations.
M. Tytgat	Gamma rays from heavy minimal dark matter.
J. Heeck	B-physics and other anomalies as hints for new physics.
S. Nasri	Neutrino Masses, Dark Matter and Electroweak Phase Transition.
A. Ahriche	Generating neutrino mass and electroweak symmetry breaking radiatively.
A. Khan	Non-standard neutrino interactions and the reactor neutrino experiments.
I. Turan	Constraining Dark Photon via Neutrino-Electron Scattering Experiments.
B. Choudhary	Results from Long-Baseline Experiments.
S. Agarwalla	Can Daya Bay Probe Non-Standard Neutrino Interactions?
P. Mehta	Non-standard neutrino oscillations.
P. Bakhti	A terrestrial test for exotic solution of solar neutrino anomaly.
A. Ioannisyan	Scanning the Earth with solar neutrinos at future very large neutrino detectors.
A.M. Guler	SHIP: Search for Hidden Particles at CERN.
Y. Pezeshkian	Pentagon arrangement for Alborz-I observatory.
B. Dev	Hints of New Physics in the Resonance Searches at the LHC.
A. Rezaei	Self Interacting Vector Dark Matter.
Q. Exirifard	On the deviation from the Riemann Geometry as MOND/Dark Matter.