PAUL SCHERRER INSTITUT

Program

PSI2013 WORKSHOP

So	8.9.	Mo	min		9.9.	Tu	min		10.9.	We	min		11.9.	Th	min		12.9.
17:00 - 19:00	Workshop registration		ch.	Kirch	**Session Mo - 1**		ch.	Sakemi	**Session Tu - 1**		ch.	Ito	**Session We - 1**		ch.	Bodek	**Session Th - 1**
	at "Hotel zur Therme"	8:45 - 10:30		Mesot	Welcome	8:45 - 10:20	30	Abele	High Precision Experiments with Cold and Ultra-Cold Neutrons	8:45 - 10:30	25	Blaum	Precision Penning-trap mass measurements and fundamental constants	8:45 - 10:20	20	Blanc	CP violation and precision measurement of CKM parameters at LHCb
	Bad Zurzach			Clausen	Welcome		20	Crawford	New Results from the NPDGamma Parity Violation Experiment at the Spallation Neutron Source		15	Koehler	A new mass of the electron		20	Lehnert	Low-energy precision tests of spacetime symmetries
			15	Seidel	PSI's high intensity proton accelerator – performance highlights and prospects		20	Holley	Parity-odd Neutron Spin Rotation		20	Nunez-Portela	A single trapped Ra+ion to measure Atomic Parity Violation		20	Heil	Limit on Lorentz and CPT Violation of the Bound Neutron Using a Free Precession 3He/129Xe Co-magnetometer
18:00 - 19:00	**Welcome Reception**		30	Greene	Fundamental Physics with Cold and Ultracold Neutrons		20	Frank	Phase diffraction gratings for the transformation of neutron energy		20	Crivelli	Positronium 1S-2S measurement		15	Schmidt	Search for axion like pseudo scalar spin interaction with a 3He-129Xe clock comparison experiment.
	"Himmelrych"		30	Czarnecki	Fundamental physics with muons						20	Yamazaki	Sub-THz Spectroscopy of the Ground State Hyperfine Splitting of Positronium		15	Diaz	Tests of Lorentz symmetry in neutron decay
			30	Pohl	Laser spectroscopy of muonic atoms												
		10:30 - 11:00		Coffee		10:20 - 10:50		Coffee		10:30 - 11:00		Coffee		10:20 - 10:50		Coffee	
			ch.	Kammel	**Session Mo - 2**		ch.	Greene	**Session Tu - 2**		ch.	Filippone	**Session We - 2**		ch.	Severijns	**Session Th - 2**
		11:00 - 12:55	25	Pachucki	Light muonic atoms in search of new interactions at the Compton wavelength scale	10:50 - 13:05	30	Ringwald	Fundamental Physics at Free Electron Lasers	11:00 - 12:55	25	Sakemi	Search for a permanent EDM with radioactive atoms	10:50 - 13:00	25	Zimmer	Ultracold neutrons from superfluid helium for a neutron lifetime experiment at ILL
			25	Morris	Cosmic Ray Radiography		20	Fedorov	Present status of crystal diffraction nEDM experiment and related neutron optics phenomena		20	Chupp	Octupole enhanced EDMs: Recent progress on the Radon-EDM program		20	Geltenbort	Neutron Lifetime Measurement by storing ultracold neutrons and simultaneously measuring inelastically scattered neutrons
			25	Gibbons	The Muon g-2 Experiment at Fermilab		20	Maerkisch	Measurements of Neutron Decay Correlation Coefficients with PERKEO and PERC		25	Sauer	The electron EDM from polar molecules		20	Fomin	Big Gravitational Trap for neutron lifetime measurements
			20	Marton	Kaonic atoms - high precision studies on the low-energy antikaon interaction		20	Beck	Status of the aSPECT experiment		25	Gabrielse	The Electron and its Dipole Moments: Most Stringent Tests of the Standard Model		25	Saunders	The science program at the Los Alamos ultra-cold neutron source
			20	Opper	First Determination of the Proton's Weak Charge - Early results from Qweak		25	Pretz	Measurement of Electric Dipole Moments in Storage Rings		20	Ichikawa	Experimental search for atomic EDM in 129Xe using active nuclear spin maser		20	Clayton	The Neutron Lifetime Experiment at LANL
							20	Eversheim	Test of Time-Reversal Invariance at COSY (TRIC)						20	Dewey	Improved Determination of the Neutron Lifetime
		13:00 -14:30		Lunch		13:00 -14:30		Lunch		13:00-14:30		Lunch		13:00 -14:30		Lunch	
			ch.	Grab	**Session Mo - 3**		ch.	Tschirhart	**Session Tu - 3**		ch.	Widmann	**Session We - 3**		ch.	Kuno	**Session Th - 3**
		14:30 - 16:00	30	Numao	Rare pion and kaon decays	14:30 - 16:00	25	Mihara	Fundamental physics at J-PARC	14:30 - 15:50	30	Fujiwara	Antiproton Physics in the LHC era	14:30 - 15:55	25	Tschirhart	Project-X
			20	Newson	Kaon experiments at CERN: recent results and prospects		25	Kammel	Muon Capture: Status and Prospects		25	Ulmer	Towards the Production of a Polarized Antihydrogen Beam		20	Gaponenko	Mu2e at Fermilab: a search for charged lepton flavor violation in muon to electron conversion
			20	Imazato	Search for lepton universality violation in kaon two-body decays		25	Vivianii	Theoretical study of muon capture in light nuclei		25	Malbrunot-Ettenauer	Antiproton and Antihydrogen Studies at ATRAP		20	Voena	Searching for the lepton flavor violating decay mu->egamma with the MEG experiment: results and perspectives
			20	Cooper	Standard Model Tests with Coherent Neutrino Scattering		15	Murray	Muon Capture on the Deuteron : The MuSun Experiment						20	Schoening	The Mu3e Experiment at PSI
		16:00 - 16:30		Coffee		16:00 - 16:30		Coffee		15:50 - 16:20		Coffee		16:00 - 16:30		Coffee	
			ch.	Weis	**Session Mo - 4**		ch.	Geltenbort	**Session Tu - 4**		ch.	Jungmann	**Session We - 4**				**Session Th - 4 (joint session with CHIPP detector workshop)**
		16:30 - 18:30	30	Ritz	Probing CP violation with EDMs	16:30 - 18:00	15	Kanda	Precision measurement of muonium hyperfine splitting at J-PARC	16:20 - 18:10	30	Severijns	Low-energy precision measurements at the intensity frontier	16:30-18:30		Hildebrandt	open CHIPP / continuation PSI2013
			30	Filippone	New Searches for the Neutron Electric Dipole Moment		15	Klauser	Neutron Polarimetry On the 10^-4 Level		20	Wauters	The limits on tensor-type weak currents and the beta-neutrino correlation of 6He		30	Rohe	Silicon tracking detectors in Particle Physics
			20	Serebrov	Present status and future prospects of nEDM experiment (PNPI-ILL-PTI)		15	Broussard	UCNA and UCNB: Using ultracold neutrons to measure the beta-asymmetry and（neutrino-asymmetry at LANSCE		20	Finlay	Probing the Standard Model via 35Ar beta decay with the WITCH spectrometer		30	Peric	HV CMOS Technology
			20	Masuda	A nEDM measurement by using a spallation UCN source of He-II		15	Martin	Latest results from the superfluid-helium UCNs source SUN2 at ILL		20	Khriplovich	Gravitational four-fermion interaction and dynamics of the early Universe		30	Musienko	SiPM
			20	Young	A Next-Generation Neutron-Antineutron Oscillations Experiment at Fermilab		15	Karch	A new source for ultracold neutrons at TRIGA Mainz: latest results		20	Voronin	New method for checking a neutron electroneutrality by spin interferometry technique		30	Ritt	Waveform digitzing in the Giga-sample Range with Switched Capacitor Arrays
							15	Ries	Status of the source for ultracold neutrons (UCN) at the Paul Scherrer Institute								
										19:00 - 22:30			**Workshop Dinner & Concert**				
		Allocated	30	25 + 5 / talk + discussion		18:00 - 21:00			**Session Tu - 5**								
		times	25	20 + 5 / talk + discussion				all	**Poster, BBQ & Beer**								
		for	20	15 + 5 / talk + discussion													
		presentations	15	10 + 5 / talk + discussion													