

The 12th International Workshop on Tau Lepton Physics (TAU2012)

Monday 17 September 2012

Registration - Sakata-Hirata Hall (09:00-09:40)

Opening - Sakata-Hirata Hall (09:40-09:55)

time	title	presenter
09:40	Opening address (00h10')	KUNIEDA, Hideyo (Nagoya University)
09:50	Brief introduction (00h05')	HAYASAKA, Kiyoshi (Nagoya University)

LFV I - Sakata-Hirata Hall (09:55-12:30)

- Conveners: Pich, Antonio

time	title	presenter
09:55	Overview of tau physics (00h30')	BANERJEE, Swagato (University of Wisconsin-Madison)
10:25	Theory for LFV (00h30')	HISANO, Junji (Nagoya University)
10:55	Lepton number violating tau decays (00h20')	LOPEZ-CASTRO, Gabriel (Cinvestav)
11:15	Search for Light New Physics in BaBar (00h25')	BANERJEE, Swagato (University of Wisconsin-Madison)
11:40	Search for tau LFV from Belle (00h25')	HAYASAKA, Kiyoshi (Nagoya University)
12:05	Search for tau LFV from LHCb (00h25')	HARRISON, Jonathan (University of Manchester)

Lunch - (12:30-14:00)

LFV II - Sakata-Hirata Hall (14:00-15:15)

- Conveners: Tobe, Kazuhiro

time	title	presenter
14:00	Search for mu LFV from MEG (00h25')	NATORI, Hiroaki (KEK)
14:25	Project of mu LFV at J-PARC (00h25')	NISHIGUCHI, Hajime (KEK)
14:50	Project of mu LFV at FNAL/mu->3e @ PSI (00h25')	BERNSTEIN, Robert (Fermilab)

Coffee break - Sakata-Hirata Hall (15:15-15:35)

Tau hadronic decay I - Sakata-Hirata Hall (15:35-17:05)**- Conveners: Was, Zbigniew**

time	title	presenter
15:35	Measurements of the branching fractions and mass spectra for tau decays including Ks at Belle (00h25')	RYU, Soo (Seoul National University)
16:00	Kpi form factors and precision tests of the Standard Model with tau decays (00h20')	PASSEMAR, Emilie (LANL)
16:20	Measurement of the invariant mass distributions of tau -> 3 charged hadrons nu at BaBar (00h25')	NUGENT, Ian M. (RWTH-Aachen)
16:45	A model for duality violations (00h20')	ROIG, Pablo (IFAE (UAB))

Coffee break - Sakata-Hirata Hall (17:05-17:25)**Tau hadronic decay II - Sakata-Hirata Hall (17:25-18:30)****- Conveners: Hayashii, Hisaki**

time	title	presenter
17:25	HFAG tau lepton averages (00h25')	LUSIANI, Alberto (Scuola Normale Superiore and INFN)
17:50	Lattice input to the hadron tau V_{us} determination puzzle (00h20')	MALTMAN, Kim (York University)
18:10	The strong coupling from hadronic tau decays (00h20')	GOLTERMAN, Maarten (San Francisco State University)

Tuesday 18 September 2012

Tau hadronic decay III - Sakata-Hirata Hall (09:00-10:10)

- Conveners: Lusiani, Alberto

time	title	presenter
09:00	Measurements of tau-decay branching fractions and search for 2nd-class currents at BaBar (00h30')	SOBIE, Randall (University of Victoria)
09:30	Improved evaluation of the second class decay tau --> eta pi nu in the standard model (00h20')	MOUSSALLAM, Bachir (IPN-Orsay)
09:50	Analysis of Belle data on tau^- -> pi^- pi^0 nu_tau using a dispersive representation (00h20')	ROIG, Pablo (IFAE (UAB))

Coffee break - Sakata-Hirata Hall (10:10-10:35)

Tau basic property and tau decay simulations - Sakata-Hirata Hall (10:35-12:05)

- Conveners: Shwartz, Boris

time	title	presenter
10:35	RChL currents in Tauola: implementation and fit parameters (00h20')	SHEKHOVTSOVA, Olga (IFIC UVEG)
10:55	Tau Decays in Pythia 8 (00h20')	ILTEN, Philip (University College Dublin)
11:15	Measurement of tau mass from BESIII (00h25')	MO, Xiaohu (IHEP)
11:40	Measurement of tau lifetime from Belle (00h25')	SOKOLOV, Anatoly (IHEP)

Lunch: (Photo session) - (12:05-14:00)

Tau CPV - Sakata-Hirata Hall (14:00-15:35)

- Conveners: Morozumi, Takuya

time	title	presenter
14:00	Probing CP Violation in Tau Decays -- like Finding Signs of Dark Matter (00h30')	BIGI, Ikaros (University of Notre Dame)
14:30	CP violation in hadronic tau decays (00h25')	KIERS, Ken (Taylor University)
14:55	Measurement of CPV in tau decay at BaBar (00h20')	SOBIE, Randall (University of Victoria)
15:15	Study of the tau lepton g-2 via its radiative leptonic decays (00h20')	PASSERA, Massimo (INFN Padova)

Coffee break - Sakata-Hirata Hall (15:35-16:00)

Tau and LFV/LNV decays from heavy hadron - Sakata-Hirata Hall (16:00-17:15)

- Conveners: Lopez Castro, Gabriel

time	title	presenter
16:00	Search for LNV/LFV B, D decays (00h25')	MARTINEZ SANTOS, Diego (CERN)

16:25	Measurement of $B \rightarrow \tau \nu$ (00h25')	HORII, Yasuyuki (Nagoya University)
16:50	Measurement of $B \rightarrow D^{(*)} \tau \nu$ (00h25')	MANONI, Elisa (INFN Sezione di Perugia)

Poster session - Sakata-Hirata Hall (17:20-18:30)

Wednesday 19 September 2012

Muon I - Sakata-Hirata Hall (09:00-10:40)

- Conveners: Roberts, B. Lee

time	title	presenter
09:00	Precision measurements of the $e^+e^- \rightarrow \pi^+\pi^-(\gamma)$ cross section with the KLOE detector (00h25')	MANDAGLIO, Giuseppe (University of Messina)
09:25	e^+e^- results from VEPP-2000 (00h25')	SHWARTZ, Boris (BINP)
09:50	Measurement of the $e^+e^- \rightarrow \pi^+\pi^-\pi^0$ Cross Section at Belle using Radiative Return (00h25')	CRNKOVIC, Jason (University of Illinois at Urbana-Champaign)
10:15	e^+e^- results from BABAR and implications for the muon $g-2$ (00h25')	DAVIER, Michel (LAL)

Coffee break - Sakata-Hirata Hall (10:40-11:00)

Muon II - Sakata-Hirata Hall (11:00-13:00)

- Conveners: Eidelman, Simon

time	title	presenter
11:00	Tenth order QED contribution to $g-2$ (00h25')	HAYAKAWA, Masashi (Nagoya University)
11:25	Status of HVP dispersive calculation (00h25')	ZHANG, Zhiqing (LAL)
11:50	Status of hadronic contributions to lepton $g-2$ (00h20')	NOMURA, Daisuke (Tohoku University)
12:10	Status of LBL calculations (00h25')	DE RAFAEL, Eduardo (CPT-CNRS, Luminy-Marseille)
12:35	Status of lattice calculations relevant for $g-2$ (00h25')	BLUM, Tom (University of Connecticut)

Lunch - (13:00-14:00)

Neutrino I - Sakata-Hirata Hall (14:00-15:20)

- Conveners: Rubbia, Andre (ETHZ Zurich)

time	title	presenter
14:00	Theory/Phenomenology Overview Talk (00h30')	YASUDA, Osamu (Tokyo Metropolitan University)
14:30	T2K Oscillation Results (00h25')	HILLAIRET, Anthony (University of Victoria)
14:55	Results from OPERA (00h25')	SATO, Osamu (Nagoya University)

Coffee break - Sakata-Hirata Hall (15:20-15:40)

Neutrino II - Sakata-Hirata Hall (15:40-17:10)

- Conveners: Yasuda, Osamu

time	title	presenter
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15:40	Reactor Theta13 Results and Overview of running experiments at FNAL (00h40')	JOHNSON, Randy (University of Cincinnati)
16:20	Future direction for neutrino oscillation experiments (00h25')	RUBBIA, Andre (ETHZ Zurich)
16:45	Ultra High Energy Neutrino Interactions: ICE CUBE (00h25')	WILLIAMS, Dawn (University of Alabama)

Workshop dinner - (18:00-20:30)

Thursday 20 September 2012

LHC related I - Sakata-Hirata Hall (09:00-10:55)

- Conveners: Hisano, Junji

time	title	presenter
09:00	Trigger, ID and tau-reco in ATLAS (00h20')	TAN, Kong Guan (University of Melbourne)
09:20	Trigger, ID and tau-reco in CMS (00h20')	CALABRIA, Cesare (INFN, Bari)
09:40	Cross sections of $Z \rightarrow \tau\tau$ and $W \rightarrow \tau\nu$ (00h25')	ILTEN, Philip (University College Dublin)
10:05	Theory of Higgs $\rightarrow \tau\tau$ signatures and backgrounds at LHC (00h25')	YOKOYA, Hiroshi (Toyama University)
10:30	Neutral Higgs $\rightarrow \tau\tau$ (00h25')	BENITEZ, Jose (CERN)

Coffee break - Sakata-Hirata Hall (10:55-11:20)

LHC related II - Sakata-Hirata Hall (11:20-12:55)

- Conveners: Stahl, Achim

time	title	presenter
11:20	Charged Higgs + SUSY + Exotics (00h30')	REECE, Ryan (University of Pennsylvania)
11:50	Probing new physics with tau-leptons at the LHC (00h20')	VALENCIA, German (Iowa State University)
12:10	Polarisation in $W \rightarrow \tau\nu$ (00h20')	CZYCZULA RUDJORD, Zofia (Yale University)
12:30	Mesurement for top $\rightarrow b\tau\nu$ (00h25')	FERRO, Cristina (NCU)

Lunch - (12:55-14:00)

Excursion - (14:00-18:00)

Friday 21 September 2012

Future project I - Sakata-Hirata Hall (09:00-10:40)

- Conveners: Banerjee, Swagato

time	title	presenter
09:00	Progress of Belle II; detector and performance (00h25')	INAMI, Kenji (Nagoya University)
09:25	The SuperB factory; physics prospects and project status (00h25')	CHRZASZCZ, Marcin (Institute of Nuclear Physics)
09:50	Tau-charm in Russia (00h25')	SHWARTZ, Boris (BINP)
10:15	Status of TAUOLA tau decay Monte Carlo and related projects (00h25')	WAS, Zbigniew (IFJ PAN)

Coffee break - Sakata-Hirata Hall (10:40-11:05)

Future project II & summary - Sakata-Hirata Hall (11:05-12:30)

- Conveners: Davier, Michel

time	title	presenter
11:05	FNAL project relating to g-2 (00h25')	ROBERTS, B. Lee (Boston University)
11:30	JPARC project relating to g-2 (00h25')	MIBE, Tsutomu (KEK)
11:55	Tau2012 Workshop Summary (00h35')	PICH, Antonio (IFIC, University of Valencia -CSIC)