



Workshop Applied Antineutrino Physics 2014 December 15-16, 2014 at APC-Paris



SCIENTIFIC PROGRAM

Duration include 5 min. for discussion

09:30 Registration and welcome breakfast

Monday December 15 ==> Amphi TURING in building Sophie Germain

Neutrino detectors - Chairman :

10:00	00:25	Neutrino-4	Anatolii Serebrov (St Petersburg Nucl. Phys. Inst.)
10:25	00:25	Hanaro	Eunju Jeon (Inst. of Basic Science, Korea)
10:50	00:25	DANSS	Viacheslav Egorov (Joint Inst. for Nucl. Research)
11:15	00:25	Nucifer and Stereo	Maxime Péquignot (CEA Saclay)
11:40	00:25	Solid	Nicholas Ryder (Oxford Univ.)
12:05	00:25	Prospect	Karsten Heeger (Yale Univ.)
12:30		Lunch	

Neutrino detectors (cont.) - Chairman : Mikhail Skorokhvatov

14:00	00:10	Welcome	Stavros Katsanevas (APC Director, Paris)
14:10	00:25	Idream	Alexander Chepurnov (Lomonosov Univ.)
14:35	00:25	Angra	Joao dos Anjos (CBPF)
15:00	00:25	KamLAND	Hiroko Watanabe (Tohoku Univ.)
15:25	00:25	Borexino	Romain Roncin (LNGS)
15:50	00:20	Coffee break	

Antrineutrinos as a tool - Chairman : Cristina Volpe

16:10	00:30	Communication with Neutrinos	Daniel Stancil (North Carolina Univ.)
16:40	00:30	GeoSciences	Stephen Dye (Hawaii Pacific Univ.)
17:10	00:30	Studies on directionality	Vincent Fischer (CEA Saclay)
17:40		End	

19:30 Conference dinner at Restaurant Bofinger, near Bastille

Tuesday December 16 ==> Amphi 12E in Halle aux farines

Coherent scattering - Chairman:

09:00	00:25	Coherent scattering	Phil Barbeau (Duke Univ.)
09:25	00:25	RED-100	Dmitry Rudik (MePhI)
09:50	00:25	NuTops	Anselmo Merzaglia (IPHC Strasbourg)
10:15	00:25	Above ground MeV detector	Nathaniel Bowden (Lawrence Livermore)
10:40	00:25	Wylfa, Magnox Nuclear Power	Matt Murdoch (Liverpool Univ.)
11:05	00:30	Coffee break	

Technical developments - Chairman :

11:35	00:25	MiniTime Cube / NuLat	Glenn Jocher (NGA)
11:55	00:25	Segmented detector	Dave Reyna (Sandia)
12:20	00:25	Water based liquid scintillator	Minfang Yeh (Brookhaven)
12:45	00:25	Juno (emphasis on new PMTs)	Anatael Cabrera (APC)
13:10		Lunch	

Theoretical session - Chairman : David Lhuillier

14:30	00:30	Reactor neutrino spectra (incl. 5 MeV bump)	Bryce Littlejohn (Illinois Inst. Of Tech.)
15:00	00:30	Theoretical talk	Patrick Huber (Virginia Tech)
15:30	00:30	Coffee break	

Neutrino detectors and Safeguards - Chairman :

16:00	00:30	Antineutrino Geolocation and NUDAR or "Neutrino Detection and Ranging"	Usman Shawn (NGA)
16:30	00:30	Watchman	Nathaniel Bowden (Lawrence Livermore)
17:00	00:10	Concluding remarks	Thierry Lasserre (APC & CEA Saclay)
17:10	00:45	Discussion on perspectives on Antineutrino applications in Safeguards	Sergey Zykov (IAEA)

