

Solvay Workshop:		
Beyond the Standard model with Neutrinos and Nuclear Physics		
Very preliminary Program - (not final titles)		
		Speaker (institute)
Wednesday November 29, 2017		
10h - 13h	Nuclear physics and the unitarity of the CKM matrix	
The current evaluation of $ V_{ud} $ and the top-row test of CKM unitarity		John Hardy (Texas A&M Univ.)
Experimental challenges in extracting the V_{ud} matrix element		Bertram Blank (Univ. de Bordeaux)
Mirror beta transitions and CKM unitarity		Oscar Naviliat-Cuncic (Michigan State Univ.)
The neutron and CKM unitarity		Gertrud Konrad (Stefan Meyer Inst., Vienna)
14h - 18h (Coffee 30 min)	Electric dipole moment searches	
Introduction to and overview of EDM measurements		Rob Timmermans (Univ. Groningen)
Overview and status of neutron EDM experiments		Philipp Schmidt-Wellenburg (Paul Scherrer Institute)
EDM measurements with storage rings - the proton EDM		Gerco Onderwater (Univ. Groningen)
EDMs of stable atoms and molecules		Werner Heil (Univ. Mainz)
EDM measurements with radioactive probe nuclei		Klaus Jungmann (Univ. Groningen)
Thursday, November 30, 2017		
9h - 13h (Coffee 30 min)	Nature of neutrinos - Dirac/majorana neutrinoless double beta decay - g_A quenching	
The Nature of Neutrinos		Boris J. Kayser (Fermilab)
Direct neutrino mass measurements		Volker Hannen (Univ. Münster)
Double beta decay matrix elements and quenching of g_A		Jouni Suhonen (Univ. of Jyväskylä)
Neutrinoless $\beta\beta$ decay matrix elements: present and future		Javier Menéndez (Tokyo Univ.)
Neutrinoless double beta decay and new physics		Manfred Lindner (Max-Planck-Institute fuer Kernphysik)
Supernova neutrinos		Kate Scholberg (Duke Univ.)
14h - 18h (Coffee 30 min)		
Neutrino magnetic moments	Magnetic moments	Julian Heeck (ULB - PhysTh)
Neutrino magnetic moments (Borexino)		Oleg Smirnov (JINR, Dubna)
	Mass hierarchy	
Neutrino mass ordering: Hints and challenges		Eligio Lisi (INFN Bari)
The JUNO reactor neutrino experiment - neutrino hierarchy		Alberto Garfagnini (Univ. of Padova)
The NoVA experiment - neutrino hierarchy		Jeff Hartnell (Univ. of Sussex)
The IceCube experiment		David Grant (Univ. of Alberta)
Friday December 1, 2017		
9h - 13h (Coffee 30 min)	Reactor spectrum and steriles - Short baseline oscillations	
The reactor neutrino spectrum		Muriel Fallot (Subatech, Nantes)
Beta decay and the reactor neutrino anomaly		Anna Hayes (LANL, Los Alamos)
Beta decay spectrum shape and the reactor neutrino anomaly		Leendert Hayen (KU Leuven)
Expt. study of the beta decay of fission fragments		Alejandro Algora (CSIC, Univ. of Valencia)
Neutrino fit with steriles		Antonio Palazzo (Univ. di Bari)
The Daya Bay experiment		Ming Chung Chu (Univ. Hong Kong)
14h - 17h (Coffee 30 min)	Short baseline oscillations	
The STEREO experiment		David Lhuillier (CEA-Saclay)
The DANSS experiment		Mikhail Danilov (Lebedev Physical Institute, Moscow)
The SOLID experiment		Nick Van Remoortel (Univ. Antwerpen)
The MegaCurie sources experiments		Stefano Davini (Gran Sasso Sc. Inst., L'Aquila)
Closing		