

Program of NOW 2006

PLENARY TALKS (morning): 30' + 5'

PARALLEL TALKS (afternoon): 15' + 5'

Parallel session conveners:

Session I: Probing low energy and mass scales

Conveners: [Oliviero Cremonesi](#) and [Alessandro Melchiorri](#)

Session II: Neutrino Physics around MeV energies

Conveners: [Kunio Inoue](#) and [Hisakazu Minakata](#)

Session III: Neutrino Physics at and above GeV energies

Conveners: [Andrea Donini](#) and [Mauro Mezzetto](#)

Session IV: Exploring the range from TeV to ZeV

Conveners: [Giuseppe Battistoni](#) and [Gennaro Miele](#)

Session V: Crossing different energy scales

Conveners: [Carlo Giunti](#) and [Donato Nicolò](#)

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Saturday 9

Arrival and Registration

Sunday 10

Morning:

1st Armilla (plenary): Probing low energy and mass scales

Chair: M. Baldo Ceolin

Time	Speaker	Title
8.40 - 9.15	Gianluigi Fogli	<i>Welcome to NOW 2006</i>
8.40 - 9.15	Christian Weinheimer	<i>Neutrino mass from Beta decay</i>
9.15 - 9.50	Raju Raghavan	<i>Sub-MeV neutrino technology</i>
Coffe Break (20 min.)		
10.10 - 10.45	Ettore Fiorini	<i>Neutrinoless double beta decay</i>
10.45 - 11.20	Sergio Pastor	<i>Precision cosmology and neutrinos</i>
11.20 - 11.55	Petr Vogel	<i>Towards absolute neutrino masses</i>

Afternoon:

1st Armilla (parallel) Probing low energy and mass scales Conveners: Oliviero Cremonesi and Alessandro Melchiorri			4th Armilla (parallel) Exploring the range from TeV to ZeV Conveners: Giuseppe Battistoni and Gennaro Miele		
Time	Speaker	Title	Time	Speaker	Title
16.00-16.20	P. Serra	Massive neutrino and Dark energy	16.00-16.20	A. Chiavassa	Status of CR Physics at the knee
16.20-16.40	G. Mangano	Interacting relic neutrinos and free streaming	16.20-16.40	P. Bernardini	Argo and TeV gamma astronomy
16.40-17.00	F. Villante	BBN constraints on active/sterile neutrino oscillations	16.40-17.00	H. Landsman	AURA - next generation neutrino detector in the south pole
17.00-17.20	T. Kajino	Supernova Neutrino Nucleosynthesis	17.00-17.20	R. Coniglione	Status of the NEMO project
Coffe Break (20 min.)					
17.40-18.00	P. Di Bari	RH neutrinos in cosmology: light vs. heavy	17.40-18.00	Z.-z. Xing	Neutrino Telescopes as a Probe of Broken mu-tau Symmetry
18.00-18.20	M. Roncadelli	Light pseudoscalar bosons, PVLAS and J0737	18.00-18.20	C J. Kersten	SUSY at the Pole
18.20-18.40	M. Sisti	MARE: 187-Re beta spectrum analysis with bolometric techniques	18.20-18.40	A. Cuoco	Footprint of Large Scale Cosmic Structure on the UHECR
Coffe Break (20 min.)					
Special Plenary Talk Chair: G.L. Fogli					
18.50-19.20	S. Esposito	<i>E. Majorana Centennial and Neutrino Legacy</i>			

Monday 11
Morning:

2nd Armilla (plenary): Neutrino Physics around MeV energies
Chair: G. Costa

Time	Speaker	Title
8.40 - 9.15	Junpei Shirai	<i>KamLAND results</i>
9.15 - 9.50	Jose Maneira	<i>SNO and solar neutrino results</i>
Coffe Break (20 min.)		
10.10 - 10.45	Anatael Cabrera	<i>Reactor neutrinos</i>
10.45 - 11.20	Christian Cardall	<i>Supernova neutrinos</i>
11.20 - 11.55	Carlo Brogini	<i>LUNA results</i>

Afternoon:
(Note early beginning of Sessions)

2nd Armilla (parallel) Neutrino Physics around MeV energies Conveners: Kunio Inoue and Hisakazu Minakata			5th Armilla (parallel) Crossing different energy scales Conveners: Carlo Giunti and Donato Nicolò		
Time	Speaker	Title	Time	Speaker	Title
15.40-16.00	G. Ranucci	Status and Prospects of Borexino	15.40-16.00	A. Palazzo	Neutrino mass and mixing parameters: 2006 Status
16.00-16.20	A. Serenelli	Standard solar model calculation of the neutrino fluxes	16.00-16.20	M. Laveder	Unbound Neutrino Roadmaps
16.20-16.40	M. Smy	Low threshold challenge in SK-III	16.20-16.40	E. Ma	Neutrino Mass, Dark Matter, and Leptogenesis
16.40-17.00	C. Grieb	Low-energy neutrinos: solar luminosity and	16.40-17.00	X.-G. He	A_4 Group and tri-Bi-Maximal Mixing

		LENS			
17.00-17.20	K.K. Joo	RENO Project	17.00-17.20	Y. Kuno	Lepton Flavour Violation in muon coherent scattering on nuclei
Coffe Break (20 min.)					

Excursion to Otranto (18.00 - 22.00)

Spaghattata (22.30)

Tuesday 12
Morning:

3rd Armilla (plenary): Neutrino Physics at and above GeV energies Chair: A. Bettini		
Time	Speaker	Title
8.40 - 9.15	Takaaki Kajita	<i>Long baseline neutrino physics in Japan</i>
9.15 - 9.50	Sacha Kopp	<i>Long baseline physics in the U.S.</i>
Coffe Break (20 min.)		
10.10 - 10.45	Yves Déclais	<i>Long baseline neutrino physics in Europe</i>
10.45 - 11.20	Stavros Katsanevas	<i>Physics at Megaton Detectors</i>
11.20 - 11.55	Manfred Lindner	<i>Synergies in oscillation searches</i>

Afternoon:

3rd Armilla (parallel) Neutrino Physics at and above GeV energies Conveners: Andrea Donini and Mauro Mezzetto			1st Armilla (parallel) Probing low energy and mass scales Conveners: Oliviero Cremonesi and Alessandro Melchiorri		
Time	Speaker	Title	Time	Speaker	Title
16.00-16.20	A. Guglielmi	CNGS Beam	16.00-16.20	O. Elgaroy	Constraints on massive neutrino by LSS
16.20-16.40	M. Sioli	OPERA	16.20-16.40	M. Viel	Constraints from Lyman-alpha data
16.40-17.00	O. Benhar	Nu Cross Sections (theory)	16.40-17.00	F. Simkovic	Recent developments in double beta decay
17.00-17.20	C. Corianò	Deeply virtual neutrino scattering at leading twist	17.00-17.20	M. Pavan	Cuore/Cuoricino: double beta decay searches with low-T detectors
Coffe Break (20 min.)					
17.40-18.00	F. Sanchez	Nu Cross Sections (experiments)	17.40-18.00	F. Avignone	US double beta decay program
18.00-18.20	P. Huber	Neutrino Factory and very long baseline facilities	18.00-18.20	A. Bettini	GERDA
18.20-18.40	M. Bonesini	The R&D towards a Future Neutrino Factory	18.20-18.40	L. Vala	NEMO/SuperNEMO

Wednesday 13

Full day excursion

Thursday 14

Morning:

4th Armilla (plenary): Exploring the range from TeV to ZeV

Chair: M. Spinetti

Time	Speaker	Title
8.40 - 9.15	Gunter Sigl	<i>High-energy astroparticle physics</i>
9.15 - 9.50	Pierre Billoir	<i>Auger results and neutrinos</i>
Coffe Break (20 min.)		
10.10 - 10.45	Albrecht Karle	<i>Neutrino astronomy in ice</i>
10.45 - 11.20	Vincenzo Flaminio	<i>Underwater neutrino telescopes</i>
11.20 - 11.55	Todor Stanev	<i>The end of the galactic cosmic ray spectrum</i>

Afternoon:

4th Armilla (parallel) Exploring the range from TeV to ZeV Conveners: Giuseppe Battistoni and Gennaro Miele			2nd Armilla (parallel) Neutrino Physics around MeV energies Conveners: Kunio Inoue and Hisakazu Minakata		
Time	Speaker	Title	Time	Speaker	Title
16.00-16.20	A. Mirizzi	Solar Atmosphere Neutrinos	16.00-16.20	M. Vagins	Gadzooks! project
16.20-16.40	G. Battistoni	Atmospheric Muon simulation using the FLUKA MC Model	16.20-16.40	C. Lunardini	Diffuse supernova neutrino flux
16.40-17.00	M. Cozzi	MACRO constraints on violation of Lorentz invariance	16.40-17.00	F. Fleurot	Galactic supernova monitoring with SNO and SNEWS
17.00-17.20	D. Fargion	Tau air showers/Z bursts	17.00-17.20	J. Pulido	Two Gallium data sets, spin flavor precession and KamLAND
Coffe Break (20 min.)					

17.40-18.00	R. Wischniewski	Physics results from the Baikal Neutrino Telescope	17.40-18.00	A.M. Rotunno	Geoneutrino theoretical aspects
18.00-18.20	G. Longo	The structure of the nearby universe from digital surveys	18.00-18.20	S. Dye	Hanohano project
18.20-18.40	S. Massaglia	Radio Galaxies and the origin of high energy cosmic rays	18.20-18.40	I. Shimizu	Directional measurement of anti-neutrinos

Social Dinner

Friday 15

Morning:

5th Armilla (plenary): Crossing different energy scales		
Chair: A. Pullia		
Time	Speaker	Title
8.40 - 9.15	Zelimir Djurcic	<i>MiniBoone results</i>
9.15 - 9.50	Ferruccio Feruglio	<i>Theories of neutrino masses</i>
Coffe Break (20 min.)		
10.10 - 10.45	Serguey Petcov	<i>Leptogenesis and Majorana CP Violation</i>
10.45 - 11.20	Antonio Masiero	<i>Lepton Flavor Violation</i>
11.20 - 11.55	Alessandro Baldini	<i>The MEG experiment</i>

Afternoon:

5th Armilla (parallel) Crossing different energy scales Conveners: Carlo Giunti and Donato Nicolò			3rd Armilla (parallel) Neutrino Physics at and above GeV energies Conveners: Andrea Donini and Mauro Mezzetto		
Time	Speaker	Title	Time	Speaker	Title
16.00-16.20	V. Kozhuharov	Probing New Physics through mu-e Universality in K->l nu decays	16.00-16.20	B. Rebel	MINOS results (+NOVA)
16.20-16.40	G. Marchiori	LFV in tau-decays: current status and future perspectives	16.20-16.40	I. Kato	K2K/T2K
16.40-17.00	A. Tonazzo	MEMPHYS - Non-oscillation physics	16.40-17.00	T. Schwetz	Comparison of the CERN-to-MEMPHYS and T2HK LBL experiments
17.00-17.20	E. Fernandez	PMNS matrix elements without assuming unitarity	17.00-17.20	G. Catanesi	HARP/MiniBoone
Coffe Break (20 min.)					
17.40-18.00	E. Akhmedov	Duality in left-right symmetric seesaw	17.40-18.00	L. Scotto-Lavina	Beta Beams based on machine upgrades for the LHC
18.00-18.20	S. Blanchet	Flavor effects on Leptogenesis	18.00-18.20	H. Nunokawa	Removing the octant degeneracy
Plenary Talk Chair: G.L. Fogli					
Time	Speaker		Title		
18.30 - 19.15	José W. Furtado Valle		Concluding talk		

Saturday 16: Departures