

Scientific program of the workshop: "Theoretical and experimental aspects of the spin-statistics connection and related symmetries" (SpinStat2008). Trieste, october 21-25 2008.

<i>Monday October 20</i>	<i>Tuesday October 21</i>	<i>Wednesday October 22</i>	<i>Thursday October 23</i>	<i>Friday October 24</i>	<i>Saturday October 25</i>
	8.30-9.30 Registration	(Chairperson: Curceanu) 9.00-9.45 Kienle (Measurement of the Electron Capture Rate and Time Modulation of H- and He-like Ions caused by Spin Statistics and Neutrino Mixing)	(Chairperson: Bradamante) 9.00-9.50 Doplicher (Statistics, Spin and Statistics, and First Principles)	(Chairperson: Adler) 9.00-9.45 Balachandran (Causality and Statistics on the Moyal plane)	(Chairperson: Milotti) 9.10-10.10 Adler (Implications of planet-bound dark matter)
	9.30-10.00 Welcome addresses	9.45-10.30 Cerulli (First results from DAMA/LIBRA AT GRAN SASSO)	(Chairperson: Ghirardi) 9.50-10.40 Berry (Is spin-statistics implicit in elementary quantum mechanics?)	9.45-10.30 Marchetti (Spin-statistics transmutation in Quantum Field Theory)	10.10-11.00 Ghirardi (Identification of entanglement for systems of identical particles)
		10.30-10.45 Coffe	10.40-11.00 Coffe	10.30-10.45 Coffe	11.00-11.30 Dolgov (Spin-statistics violation in neutrino physics)
	(Chairperson: Berry) 10.00-11.00 Greenberg (Attempts to go beyond Bose and Fermi statistics)	10.45-11.15 Nozzoli (Searches for non-paulian transitions in highly radiopure NaI(Tl): previous results and perspectives)	11.00-11.40 Robbins (What the spin-statistics relation would follow from)	10.45-11.30 Jackson (Spin-statistics violations in superstring theory)	11.30-12.00 Unnikrishnan (Physical and logical basis of Pauli-Exclusion and spin-statistics connection)
	11.00-11.20 Coffee	11.15-11.45 Derbin (New limits on violation of the Pauli Exclusion principle obtained with Borexino CTF and Borexino detector)	11.40-12.10 Papadopoulos (On the geometry in the Berry-Robbins approach to spin-statistics)	11.30-12.00 Solomon (Boson statistics, pre-Feynman diagrams, and Hopf algebras)	
	11.20-11.50 Galehouse (Pauli's Exclusion Principle in spinor coordinate space)	11.45-12.15 Lien (Testing spin-statistics connection by highly sensitive spectroscopy of CO ₂)	12.10-12.40 Reyes-Lega (Angular momentum and quantum indistinguishability)	12.00-12.30 Pietreanu (VIP Experiment: the experimental limit on Pauli Exclusion Principle violation by electrons)	12.30 Workshop closing
	11.50-12.20 Boya (Group Theory of the Spin-Statistics Theorem)				
	12.30-14.00 Lunch + Coffee	12.15-13.45 Lunch + Coffee	12.40-14.10 Lunch + Coffee	12.30-14.00 Lunch + Coffee	
	(Chairperson: Tino) 14.00-15.00 Hilborn (Review of experimental tests)	Visit to Aquileia and Grado (subject to change according to weather conditions)	(Chairperson: Calucci) 14.10-15.00 Balachandran (Spacetime and Noncommutative Geometry)	(Chairperson: Scheck) 14.10-15.10 Mavromatos (Quantum Gravity Decoherence & intrinsic CPT Violation in entangled states)	
	15.00-15.10 Coffe		15.00-15.10 Coffe	15.10-15.20 Coffe	
	15.10-15.40 English (Spectroscopic test of the Bose-Einstein statistics of photons)		15.10-15.50 Landi (The paradigm of noncommutative geometry)	15.20-15.45 Sarkar (Non-extensive statistics in stringy space-time foam models)	
	15.40-16.10 Barabash (Experimental test of the Pauli Exclusion Principle)		15.50-16.20 Jabs (The connection between spin and statistics in quantum mechanics)	15.45-16.10 Gilra (New results on the link between spin-statistics connection and cosmic gravity)	
			16.20-16.50 Shimony (communicated by O. W. Greenberg) (Proposed Experiment to Test the Possible Time Dependence of the Onset of the Pauli Exclusion Principle)	16.10-16.35 Di Domenico (CPT symmetry and Quantum Mechanics tests in the neutral kaon system at KLOE)	
				16.35-17.00 Bressan (The inner spin structure of the nucleon: a COMPASS perspective)	
				17.00-17.30 O'Hara (Rotational Invariance and the Spin-Statistics Theorem)	
18.00-19.00 Arrival and registration at workshop site		Dinner at "La Subida" restaurant (Cormons - Gorizia)	17.00-17.50 Hilborn (Introductory talk for general public)		
19.00 Welcome snack at workshop site			18.00-19.30 Special event		