

# Eighth Workshop

**New challenges in Quantum Mechanics:**

**Integrability, Supersymmetry and Quantum Technologies**

**Thursday June 24, 2021**

**AULA MAGNA, Faculty of Sciences, University of Valladolid**

## TIMETABLE

9:00	The Rector of the Univ. of Valladolid & The Head of the Mathematics Institute & The Head of the Theoretical Physics Dept.	Reception and Opening
9:20	J.M. Mateos Guilarte (USal)	A glimpse at the anomalous magnetic moment of planar electrons
9:40	M.A. del Olmo (UVa)	
10:00	F. Mercati (UBu)	
10:20	M. Gadella (UVa)	Rigged Hilbert Spaces as a general framework including special functions, Lie algebras of continuous operators and discrete and continuous basis
10:40	M.A. González León (USal)	
11:00	M. Santander (UVa)	

### Coffee Break (11:20–11:40)

11:40	L. Santamaría-Sanz (UVa)	Efecto Casimir a temperatura finita con condiciones de contorno generales
12:00	A. Alonso (USal)	
12:20	I. Gutiérrez-Sagredo (UBu)	Generalized Hamiltonian formalism for epidemiological models I
12:40	A. Blasco (UBu)	Generalized Hamiltonian formalism for epidemiological models II
13:00	F. Buitrago (UVa)	
13:20	J.F. Sanz-Requena (UVa&UEMC)	Atmosferas Planetarias: Transporte radiativo en gigantes gaseosos

### Lunch (13:40–16:00)

16:00	M. Donaire (UVa)	
16:20	D. Sáez (UVa)	
16:40	J.M. Queiruga (UVa)	Internal Excitations of Global Vortices
17:00	M. Tello (UVa)	
17:20	C. Romaniega (UVa)	

### Coffee Break (17:40–18:00)

18:00	J. Sánchez-Cánovas (UVa)	
18:20	C. San Millán (UVa)	
18:40	A. Martín-Mozo (UVa)	
19:00	D. Gómez-Aguado (UVa)	
19:20	L.M. Nieto (UVa)	Closing session

### Farewell (19:30)



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