

Session Program

5-8 Nov 2013



Workshop on Spinning Particles in Quantum Field Theory: Worldline Formalism, Higher Spins and Conformal Geometry

Plenary

Hotel Holiday Inn, San Cristóbal de las Casas, México, Salón Lobeira 2
Calle 1 De Marzo, 15 Centro Histórico 29200

Tuesday 5 November

10:00

Plenary: I

Session |

Location: Hotel Holiday Inn, San Cristóbal de las Casas, México, Salón Lobeira 2, Calle 1 De Marzo, 15 Centro Histórico 29200

10:00–11:00

On the Summation of Feynman Graphs in QED

Speaker

Prof. Herbert Fried

11:00

11:30

Plenary: II

Session |

Location: Hotel Holiday Inn, San Cristóbal de las Casas, México, Salón Lobeira 2, Calle 1 De Marzo, 15 Centro Histórico 29200

11:30–12:30

$N=4$ Superconformal Multiparticle Mechanics

Speaker

Prof. Olaf Lechtenfeld

12:30

14:30

Plenary: III

Session |

Location: Hotel Holiday Inn, San Cristóbal de las Casas, México, Salón Lobeira 2, Calle 1 De Marzo, 15 Centro Histórico 29200

14:30–15:30

Superconformal Mechanics: Critical Scalings and Dualities of the 1D Sigma Models

Speaker

Prof. Francesco Toppan

15:30

16:00

Plenary: IV

Session |

Location: Hotel Holiday Inn, San Cristóbal de las Casas, México, Salón Lobeira 2, Calle 1 De Marzo, 15 Centro Histórico 29200

16:00–17:00

One-loop Quantum Gravity from a Worldline Perspective

Speaker

Dr Roberto Bonezzi

17:00

17:00

Plenary: IV+

Session |

Location: Hotel Holiday Inn, San Cristóbal de las Casas, México, Salón Lobeira 2, Calle 1 De Marzo, 15 Centro Histórico 29200

17:00–17:30

Second Order Fermions

Speaker

Dr Carlos Alberto Vaquera

17:30

Wednesday 6 November

09:00

Plenary: V

Session |

Location: Hotel Holiday Inn, San Cristóbal de las Casas, México, Salón Lobeira 2, Calle 1 De Marzo, 15 Centro Histórico 29200

09:00–10:00

On the Summation of Feynman Graphs in QCD

Speaker

Prof. Herbert Fried

10:00

10:00

Plenary: VI

Session |

Location: Hotel Holiday Inn, San Cristóbal de las Casas, México, Salón Lobeira 2, Calle 1 De Marzo, 15 Centro Histórico 29200

10:00–11:00

Gauge Dependence of the Fermion Pole Mass. I

Speaker

Prof. Ashok Das

11:00

11:30

Plenary: VII

Session |

Location: Hotel Holiday Inn, San Cristóbal de las Casas, México, Salón Lobeira 2, Calle 1 De Marzo, 15 Centro Histórico 29200

11:30–12:30

BGG Sequences and Physics. I

Speaker

Prof. Rod Gover

12:30

14:30

Plenary: VIII

Session |

Location: Hotel Holiday Inn, San Cristóbal de las Casas, México, Salón Lobeira 2, Calle 1 De Marzo, 15 Centro Histórico 29200

14:30–15:30

Supersymmetry for Particles and Strings in Various Dimensions

Speaker

Prof. Gerry McKeon

15:30

16:00

Plenary: Student I

Session |

Location: Hotel Holiday Inn, San Cristóbal de las Casas, México, Salón Lobeira 2, Calle 1 De Marzo, 15 Centro Histórico 29200

16:00–16:20

Off-shell gluon amplitudes in the worldline formalism

Speaker

Mr Naser Ahmadianiaz

16:20

16:20
16:40
16:40
17:00
17:00
17:20

Plenary: Student II
Session |
Location: Hotel Holiday Inn, San Cristóbal de las Casas, México, Salón Lobeira 2, Calle 1 De Marzo, 15 Centro Histórico 29200

16:20-16:40

Photonic Processes in Born-Infeld Theory

Speaker
Ms Maria Anabel Trejo Espinosa

Plenary: Student III
Session |
Location: Hotel Holiday Inn, San Cristóbal de las Casas, México, Salón Lobeira 2, Calle 1 De Marzo, 15 Centro Histórico 29200

16:40-17:00

Helicity amplitudes in Born-Infeld theory

Speaker
Ms Mona Arjang

Plenary: Student IV
Session |
Location: Hotel Holiday Inn, San Cristóbal de las Casas, México, Salón Lobeira 2, Calle 1 De Marzo, 15 Centro Histórico 29200

17:00-17:20

Finite Temperature Scalar Fields on Topologically Nontrivial Spaces

Speaker
Ms Daniela D'Ascanio

Thursday 7 November

09:00

Plenary: IX

Session |

Location: Hotel Holiday Inn, San Cristóbal de las Casas, México, Salón Lobeira 2, Calle 1 De Marzo, 15 Centro Histórico 29200

09:00–10:00

Worldline Formalism in Noncommutative Field Theory

Speaker

Prof. Pablo Pisani

10:00

10:00

Plenary: X

Session |

Location: Hotel Holiday Inn, San Cristóbal de las Casas, México, Salón Lobeira 2, Calle 1 De Marzo, 15 Centro Histórico 29200

10:00–11:00

Gauge Dependence of the Fermion Pole Mass. II

Speaker

Prof. Ashok Das

11:00

11:30

Plenary: XI

Session |

Location: Hotel Holiday Inn, San Cristóbal de las Casas, México, Salón Lobeira 2, Calle 1 De Marzo, 15 Centro Histórico 29200

11:30–12:30

Spinning Particles and Higher Spin Fields

Speaker

Dr Emanuele Latini

12:30

Friday 8 November

09:00

Plenary: XI

Session |

Location: Hotel Holiday Inn, San Cristóbal de las Casas, México, Salón Lobeira 2, Calle 1 De Marzo, 15 Centro Histórico 29200

09:00–10:00

Statistical Origin of Special and Doubly Special Relativity: Path Integral Viewpoint

Speaker

Prof. Petr Jizba

10:00

10:00

Plenary: XII

Session |

Location: Hotel Holiday Inn, San Cristóbal de las Casas, México, Salón Lobeira 2, Calle 1 De Marzo, 15 Centro Histórico 29200

10:00–11:00

Positive Energy Conditions with Worldline Numerics

Speaker

Dr Idrish Huet

11:00

11:30

Plenary: XIII

Session |

Location: Hotel Holiday Inn, San Cristóbal de las Casas, México, Salón Lobeira 2, Calle 1 De Marzo, 15 Centro Histórico 29200

11:30–12:30

BGG Sequences and Physics. II

Speaker

Prof. Rod Gover

12:30

14:30

Plenary: XIV

Session |

Location: Hotel Holiday Inn, San Cristóbal de las Casas, México, Salón Lobeira 2, Calle 1 De Marzo, 15 Centro Histórico 29200

14:30–15:30

The QED Effective Action, a Full Mass-range Analysis

Speaker

Dr Adolfo Huet

15:30

16:00

Plenary: Student V

Session |

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16:00–16:20

Scalar Bound States in the Worldline Formalism

Speaker

Mr Ravindra Thakur

16:20

16:20

Plenary: Student VI**Session** |**Location:** Hotel Holiday Inn, San Cristóbal de las Casas, México, Salón Lobeira 2, Calle 1 De Marzo, 15 Centro Histórico 29200

16:20-16:40

Quantum Field Theoretical Description of Excitonic Transitions in Graphene**Speaker**

Mr Saul Fernando Hernandez Ortiz

16:40

16:40

Plenary: Student VII**Session** |**Location:** Hotel Holiday Inn, San Cristóbal de las Casas, México, Salón Lobeira 2, Calle 1 De Marzo, 15 Centro Histórico 29200

16:40-17:00

Chiral quark condensates in QCD at finite temperature**Speaker**

Mr Ahmad Aftab

17:00

17:00

Plenary: Student VIII**Session** |**Location:** Hotel Holiday Inn, San Cristóbal de las Casas, México, Salón Lobeira 2, Calle 1 De Marzo, 15 Centro Histórico 29200

17:00-17:20

Quarks, Pions and Schwinger-Dyson Equations**Speaker**

Mr Kephani Raya

17:20