

Session Program

3-10 Aug 2016



38th INTERNATIONAL CONFERENCE ON HIGH ENERGY PHYSICS

AUGUST 3 - 10, 2016
CHICAGO

ICHEP 2016 Chicago

Formal Theory Developments

Chicago IL USA
Sheraton Grand Chicago 301 East Water Street Chicago IL 60611 USA

Saturday 6 August

09:00

Formal Theory Developments: 1

Session | **Location:** Superior A, Sheraton Grand Chicago 301 East Water Street Chicago IL 60611 USA |
Conveners: Dr Ivonne Zavala, Ruth Gregory

09:00–09:20 **The fate of the Higgs Vacuum (15' + 5')**

Speaker
Ruth Gregory

09:20–09:40 **Gauge-independence of tunneling rates (15' + 5')**

Speaker
Carlos Tamarit

09:40–10:00

The Dirac Equation in Low Energy Condensed Matter Physics (15' + 5')

Speaker
John Swain

10:00–10:20

Extension of the CPT Theorem to non-Hermitian Hamiltonians and Unstable States (15' + 5')

Speaker
Prof. Philip Mannheim

10:20–10:40 **Near-BPS Skyrme Models: recent developments (15' + 5')**

Speaker
Luc Marleau

10:45

11:15

Formal Theory Developments: 2

Session | **Location:** Superior A | **Convener:** Ruth Gregory

11:15–11:35 **Sub-Leading Effects and the Field Range in Axion Inflation (15' + 5')**

Speaker
Dr Ivonne Zavala

11:35–11:55

Open Effective Field Theories from Integrating Out High Momenta from Inelastic Reactions (15' + 5')

Speaker
Eric Braaten

11:55–12:15

Correspondence between Solutions of Scattering Equations and Scattering Amplitudes in Four Dimensions (15' + 5')

Speakers
Prof. Yijian Du, Prof. Yong-Shi Wu

12:15-12:35

Towards regularized higher-order computations in QFT without DREG (15' + 5')

Speaker

German Sborlini

13:00