

Session Program

Jul 4 - 11, 2012



ICHEP2012

TR 12 - Formal Theory Development & TR 1 - The Standard Model

Melbourne Convention and Exhibition Centre
Melbourne Australia

Thu, July 5

9:00 AM

TR 12 - Formal Theory Development & TR 1 - The Standard Model

Session | **Location:** Melbourne Convention and Exhibition Centre, Room 218, Melbourne Australia

9:00 - 9:20 AM

Scattering in Planar $N=4$ Super-Yang-Mills Theory and the Multi-Regge Limit

Speaker

Prof. Lance Dixon

9:20 - 9:40 AM

Maximal Unitarity at Two Loops

Speaker

Dr David Kosower

9:40 - 10:00 AM

Spectrum of a Walking Gauge Theory

Speaker

Prof. L.C. Rohana Wijewardhana

10:00 - 10:15 AM

Holographic calculation of hadronic contributions to muon $g-2$

Speaker

Dr Doyoun Kim

10:15 - 10:30 AM

Strong field effects on physics processes at the Interaction Point of future linear colliders

Speaker

Dr Anthony Hartin

10:30 - 11:00 AM

Refreshment Break

11:00 - 11:15 AM

IR-Improved Operator Product Expansions in non-Abelian Gauge Theory

Speaker

Prof. Bennie Ward

11:15 - 11:30 AM

Radiation from accelerated charges at strong coupling

Speaker

Dr Daniel Fernandez-Fraile

11:30 - 11:45 AM

Near BPS Skyrmions: Non-shell configurations and Coulomb effects

Speaker

Prof. Luc Marleau

11:45 AM - 12:00 PM

Classical geometry to quantum behavior correspondence in a Virtual Extra Dimension

Speaker

Dr Donatello Dolce

12:00 - 12:15 PM **Calculating repetitively**

Speaker

Prof. Gopinath Kamath

12:15 - 12:30 PM **NLO and NNLO EWC for PV Møller Scattering**

Speaker

Dr Svetlana Barkanova

12:30 - 2:00 PM **Lunch Break**

2:00 - 2:20 PM **Supersymmetry breaking from monopole condensation**

Speaker

Prof. Yuri Shirman

2:20 - 2:40 PM **Higher Spins and Strings**

Speaker

Dr Dario Francia

2:40 - 2:55 PM

An Estimate of Lambda in Resummed Quantum Gravity in the Context of Asymptotic Safety and Planck Scale Cosmology: Constraints on SUSY GUTS

Speaker

Prof. Bennie Ward

2:55 - 3:10 PM

Finite Energy One-half Monopole Solutions of the SU(2) Yang-Mills-Higgs Theory.

Speaker

Prof. Rosy Teh

3:10 - 3:25 PM

Electric, Magnetic and Spin-Dependent Dynamical Polarizabilities of Hadrons

Speaker

Dr Aleksandrs Aleksejevs

3:25 - 4:00 PM **Refreshment Break**

4:00 - 4:15 PM **NNLL resummation for W-boson production at large pT**

Speaker

Prof. Nikolaos Kidonakis

4:15 - 4:30 PM **Precise measurement of the W boson mass at CDF II**

Speaker

Prof. Ashutosh Kotwal

4:30 - 4:45 PM

Measurement of the W boson mass with the D0 detector and combination of the CDF and D0 results for the W boson mass

Speaker

Dr Jan Stark

4:45 - 5:00 PM

Measurement of tau polarization in $W \rightarrow \tau \nu$ decays with the ATLAS detector

Speaker
Dr Sarah Marie Demers

5:00 - 5:15 PM **Study of tau-pair production at HERA**

Speaker
Mr Masaki Ishitsuka

5:15 - 5:30 PM **Elastic Z0 production at HERA**

Speaker
Dr Katarzyna Wichmann

5:30 - 5:45 PM

Onset of deconfinement and search for the critical point of strongly interacting matter at CERN SPS energies

Speaker
Maciej Rybczynski

5:45 - 6:00 PM .

6:00 PM