

Session Program

22-28 Jul 2010



ICHEP 2010

09 - Progress in Lattice Techniques and New Results

Palais des Congrès de Paris
2 place de la Porte Maillot Paris 17

Friday 23 July

09:00

09 - Progress in Lattice Techniques and New Results

Session | **Location:** Salle 252A | **Convener:** Prof. Pilar Hernandez

09:00–09:35 **Light quarks on the lattice: methods and results for pion physics**

Speaker

Stefan Schaefer

09:35–10:00 **Lattice studies of hadron physics with disconnected quark loops**

Speaker

Takashi Kaneko

10:00–10:30 **Leading order hadronic contribution to g-2 from lattice QCD**

Speaker

Dr Dru Renner

10:30

11:00

09 - Progress in Lattice Techniques and New Results

Session | **Location:** Salle 252A | **Convener:** Sinya Aoki

11:00–11:35

The QCD phase diagram at low baryon density from lattice simulations

Speaker

Owe Philipsen

11:35–12:05 **Origin of Mass, Strong Dynamics and the Lattice**

Speaker

George Fleming

12:05–12:30

Effects of a potential fourth fermion generation on the upper and lower Higgs boson mass bounds

Speaker

Dr Philipp Gerhold

12:30

14:00

09 - Progress in Lattice Techniques and New Results

Session | **Location:** Salle 252A | **Convener:** Shoji Hashimoto

14:00–14:30 **Recent progress on nuclear potentials from lattice QCD**

Speaker

Prof. Sinya Aoki

14:30–14:55

The excited hadron spectrum in lattice QCD using a new variance reduction method

Speaker

Prof. Colin Morningstar

14:55–15:20 **Nucleon Structure using twisted mass fermions**

Speaker

Constantia Alexandrou

15:20–15:45

Alpha_s from Lattice QCD: progresses and perspectives for a realistic full-QCD determination of the running Strong coupling**Speaker**

jose Rodriguez-Quintero

15:45

16:15

09 - Progress in Lattice Techniques and New Results**Session** | **Location:** Salle 252A | **Convener:** Benoit Blossier

16:15–16:45

Continuum limit results from 2+1 flavor Domain Wall QCD**Speaker**

Dr Enno E. Scholz

16:45–17:15

Recent results from heavy flavour physics on the lattice**Speaker**

Dr Michele Della Morte

17:15–17:45

Heavy flavour phenomenology from lattice QCD**Speaker**

Dr Elvira Gamiz

17:45–18:00

Towards the continuum limit of the lattice Landau-gauge gluon and ghost propagators.**Speaker**

Dr Igor Bogolubsky

18:00