

Particle Physics, Astrophysics and Quantum Field Theory: 75 Years since Solvay

27th – 29th November 2008

Nanyang Executive Centre, Singapore

Invited Speakers Include:

CHEN Hesheng

Institute of High Energy Physics, Beijing

Yong-Min CHO

Seoul National University

Igor M DREMIN

Lebedev Physical Institute, Moscow

Tohru EGUCHI

Kyoto University

John ELLIS

CERN (European Organization for
Nuclear Research)

Victor FLAMBAUM

University of New South Wales

Harald FRITZSCH

Universitaet Muenchen, Munich

Kazuo FUJIKAWA

Nihon University

David GROSS

University of California, Santa Barbara
Nobel Laureate in Physics, 2004

Steen HANNESTAD

Aarhus University

Wolfgang HOLLIK

Max Planck Institute, Munich

Gerard 't HOOFT

Utrecht University
Nobel Laureate in Physics, 1999

Takaaki KAJITA

Tokyo University

Shih-Chang LEE

Academia Sinica, Taipei

Viatcheslav MUKHANOV

Ludwig-Maximilians University of Munich

Tatsuya NAKADA

CERN (European Organization for Nuclear Research)

Masao NINOMIYA

Kyoto University

Martin PERL

Stanford University
Nobel Laureate in Physics, 1995

Paul STEINHARDT

Princeton University
(attendance to be confirmed)

Yi-Fang WANG

Institute of High Energy Physics, Beijing

Yue-Liang WU

CAS & Kavli Institute of Theoretical Physics of China

Zhi-Zhong XING

Institute of High Energy Physics, Beijing

Phil YOCK

University of Auckland

With the inception of the Large Hadron Collider (LHC) at CERN and in anticipation of new exciting data at the end of the year 2008, a High Energy Physics conference is organized in synchrony with this historic occasion. This also represents an opportunity to reminisce the fundamental achievements of High Energy Physics since Solvay 1933. Then, it was signposted by Enrico Fermi's paper on the 4-fermion weak interaction theory published on December 31 1933, two months after the Solvay Congress October 1933.

Many distinguished contributors to particle physics have been invited to this year's event, including Professor David Gross (Nobel Laureate, 2004), Professor Gerard 't Hooft (Nobel Laureate, 1999), Professor Martin Perl (Nobel Laureate, 1995), Professor Harald Fritzsch, Professor Paul Steinhardt, Professor Tohru Eguchi, Professor John Ellis and many others. In addition, several budding physicists (both theorists and LHC experimentalists) have been invited to congregate for discussion and presentation of their works here in Singapore at the Institute of Advanced Studies, IAS Nanyang Technological University, NTU.

We would like to specially invite you to participate in this exciting conference in celebration of the new LHC era, witnessing the exchange of scientific information and camaraderie of the High Energy Physics community. Invited presentations will be included in the *Conference Proceedings* and published as a special issue in the *International Journal of Modern Physics A* (IJMPA).

Closing date for online registration: **1 August 2008**

Closing date for paper submission: **26 October 2008**

For online registration and more information, please visit www.ntu.edu.sg/ias.
For further inquiries, please call: **(65)-67906491** or email: ias@ntu.edu.sg

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