



THE HONG KONG
POLYTECHNIC UNIVERSITY

DEPARTMENT OF
BUILDING SERVICES ENGINEERING



SPEAKER

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[Ref: Does the God particle exist?]

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C P D L E C T U R E

Does the God particle exist?

上帝粒子存在嗎?

- Free Admission -

D a t e 08 June 2015 (Mon)
T i m e 7:00 – 8:00 pm
V e n u e Room Z406
 The Hong Kong Polytechnic University

Organized by

Professor W.K. Chow JP FHKEng
Director, Research Centre for Fire Engineering
Head of Department, Department of Building Services
Engineering
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ABSTRACT

The 5 D homogeneous space-time second order metric was proposed earlier. The Lorentz 4D metric L is obtained by time and conformal projections, leading to the breaking of space-time symmetry to $SU(2) \times L$ and $SU(3) \times L$. The $SU(3) \times L$ produces the Gell-Mann standard model for all hadrons. In today's talk, we show explicitly, how through gauge invariance the gluon potential field, which is formed by the products of intermediate quark currents generated, leading to 3 flavors and 3 colors, for the mesons. For the baryons this gluon repulsive potential led to the unsolved 3-body problem. Through calculation of the proton and neutron masses, we found that such 3-body of quarks within them can be iterated in pairs simultaneously satisfying the net current and net momentum equal to zero. It is these restrictions that clearly shows the equipotential theorem that must hold true in the 3-body iteration in terms of pairs. Thus leading to many well known results of many body problems, such as the formation of surface tensions in liquids, or the multi-geometric patterns in snow flakes, etc.

Schedule

6:45 pm

Registration

7:00 pm

Introduction

7:05 pm

Talk by Professor K.W. Wong