

WORKSHOP ACHIEVEMENTS & NEW DIRECTIONS IN SUBATOMIC PHYSICS

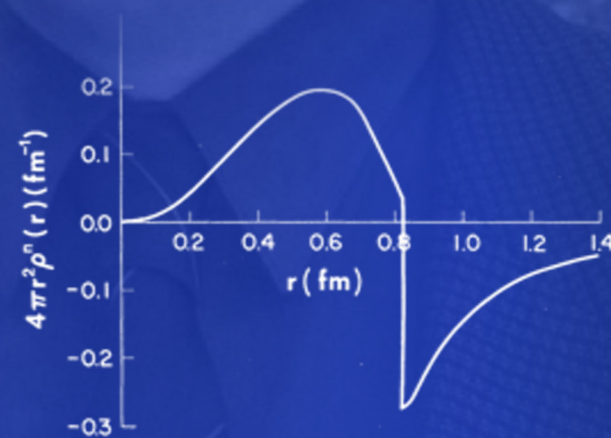
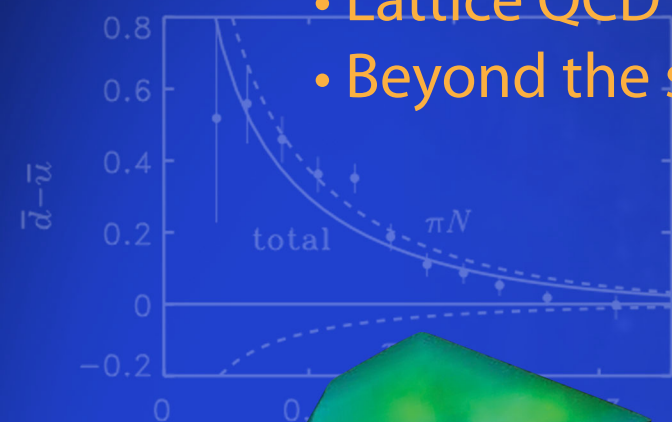
in Honour of Tony Thomas's 60th Birthday

February 15-19, 2010

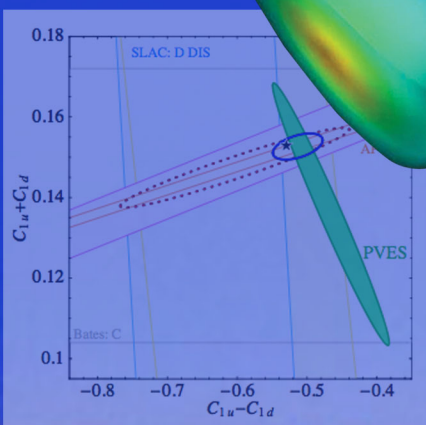
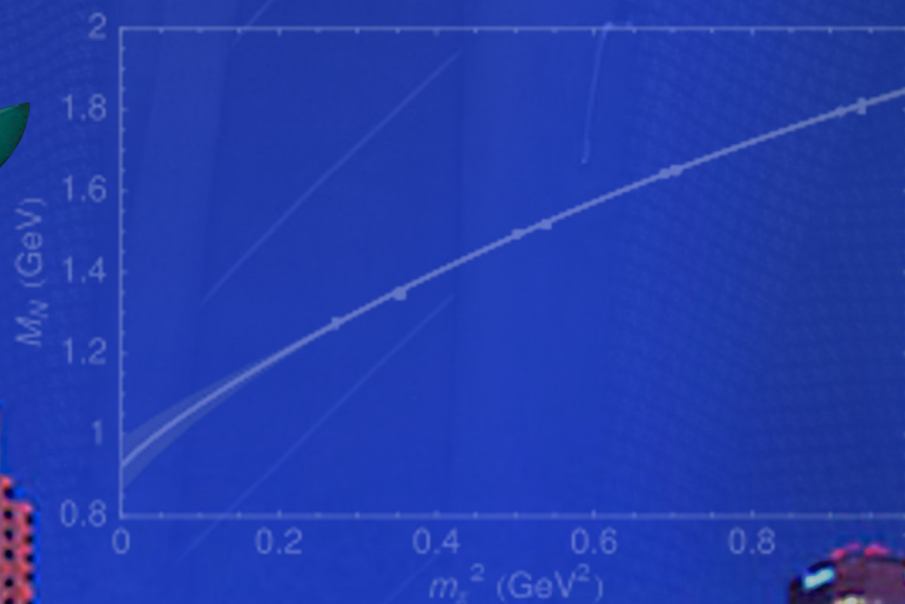
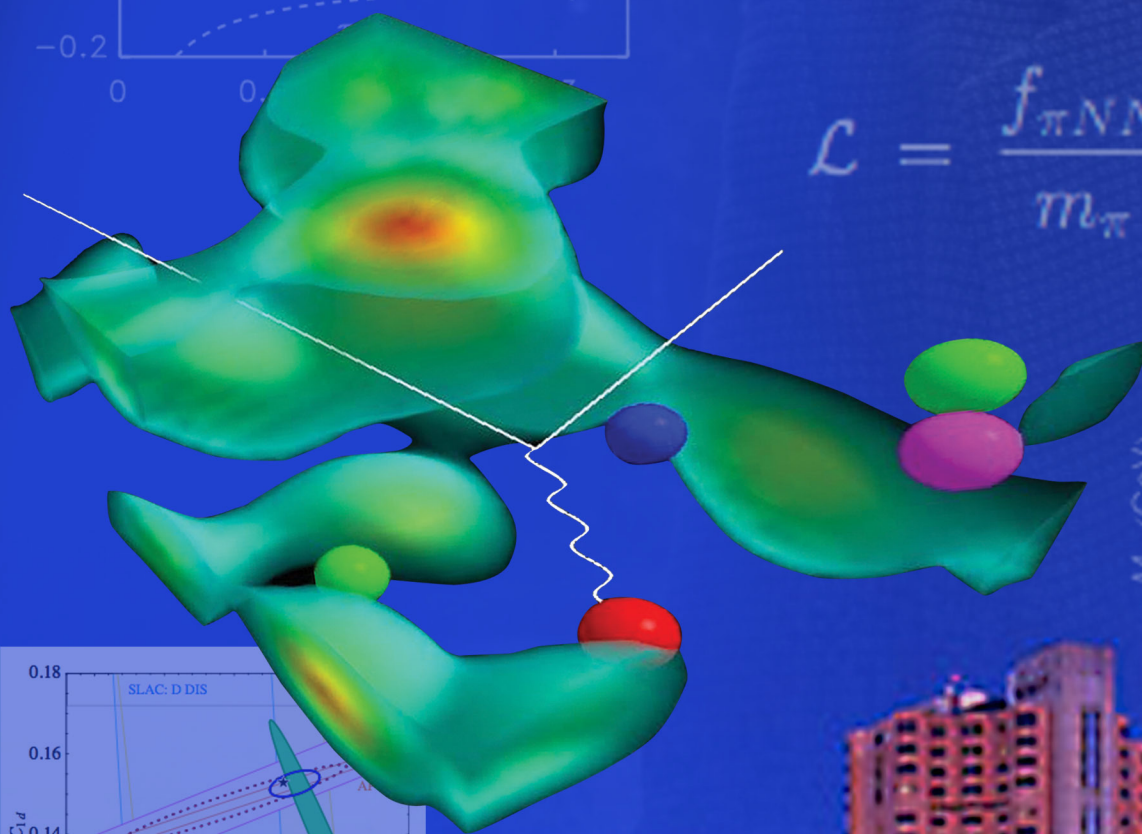
CSSM, University of Adelaide, Australia

TOPICS

- Pion-nucleon scattering
- Deep inelastic scattering
- Chiral extrapolations
- Quark models of the nucleon
- Lattice QCD
- Beyond the standard model



$$\mathcal{L} = \frac{f_{\pi NN}}{m_\pi} (\bar{\psi}_N \gamma^\mu \gamma_5 \vec{\tau} \psi_N) \cdot \partial_\mu \vec{\phi}_\pi$$



ORGANIZERS

Wally Melnitchouk (Jefferson Lab), Chair
Derek Leinweber (Adelaide)
Tony Williams (Adelaide)



Jefferson Lab

<http://www.physics.adelaide.edu.au/cssm/workshops/60fest.html>