

Joint CQSE and CASTS Seminar

Weekly Seminar
Mar. 22, 2013 (Friday)

TIME Mar. 22, 14:30 ~ 15:30
TITLE Projective Measurements in Relativistic Systems
SPEAKER Prof. Shih-Yuin Lin
Department of Physics, National Changhua University of
Education
PLACE Rm716, CCMS & New Physics Building, NTU

Abstract

I will demonstrate some theoretical restrictions given by covariance and causality when adapting the von Neumann projective measurement to relativistic systems. The failure of the nonlocal quantum non-demolition state verification in relativistic systems will be discussed in details. In addition, a few issues about the quantum state of fields, spatially local and nonlocal measurements will be addressed.

