

Plenary Talk PV XII Fri 9:45 PV-Rooms
Quantum Measurements — ●BERGE ENGLERT — Centre for Quantum Technologies and Department of Physics, National University of Singapore
We gather information about physical systems by observation. In the

realm of quantum physics, the experiments give us probabilistic data with natural statistical fluctuations that cannot be reduced by better instrumentation. What do such data tell us about the quantum system under study? A systematic and reliable answer can be given with the methods of quantum state estimation and quantum parameter estimation. I will review recent developments.