

Time: Wednesday May 4th, 2011 10:00am

Location: Buchanan A203

Functional Integral Representations for Many-Particle Systems

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Formal functional integrals have become an essential tool in physics, not only for their utility in calculation, but also as a source of intuition. However, they are usually not mathematically well-defined. In this talk, we will discuss how to rigourously construct such integrals in the context of quantum many-particle systems.