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## **O(3) Model and Finite Density Physics**

*Tuesday, 8 March 2016 11:00 (30 minutes)*

I will discuss some lattice simulation of the O(3) non-linear sigma model via dual-variables method. I will demonstrate that dual variables allow for a very physical Quantum Mechanical interpretation, and a very precise and reliable information about scattering data of the particle appearing in the infrared.

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