

# Seminar

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## Toward a loop quantization of Poisson Sigma Models

Friday, August 17, 2007

at 16:30

ESI Schrödinger Lecture Hall

**Abstract:** Loop quantizations have led to progress toward quantum gravity in 3+1 dimensions, and might thus also be useful for quantum Poisson Sigma Models due to their relation to 1+1 dimensional dilaton gravity. We describe and compare the classical canonical structures of both frameworks and indicate initial steps in their quantizations.

H. Bursztyn, H. Grosse, T. Strobl

August 9, 2007