Nikolai Beck (FU)
Coset SL(2,R) WZNW Models

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The SL(2,R) WZNW model is a classically integrable field theory, whose coset models have interesting properties. Among these models are Liouville theory, which is important for non-critical string theory, and the SL(2,R)/U(1) model, which can be seen as a toy model for strings in non-trivial background. Due to the integrability and the rich symmetries of the WZNW model these coset models can be quantized non-perturbatively. In my talk I will introduce the WZNW model, describe how the SL(2,R)/U(1) coset model is obtained by gaugeing the original action, and finally outline the quantization procedure.

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