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## Charmonium correlation and spectral functions at finite temperature

*Tuesday, 15 June 2010 09:30 (20 minutes)*

We investigate the charmonium correlators and spectral functions in quenched QCD, using Clover improved Wilson fermions on very fine (0.01 fm) isotropic lattices at  $0.75 T_c$  ( $128^3 \times 96$ ) and  $1.5 T_c$  ( $128^3 \times 48$ ). We focus on the thermal modification of the correlation and spectral functions. The charmonium dissociation temperature as well as the heavy quark diffusion constant are discussed.

### **Please, insert your presentation type (talk, poster)**

talk

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