

Contribution Title: QUENCHED CLT FOR ENERGY IN MF SPIN GLASSES  
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YRS seminar: NO

Generalizing a result of Chatterjee for the SK model, we prove a quenched CLT for the energy in the annealed region of mean-field spin glasses with non-Gaussian couplings, including alpha-stable couplings. One other example is the Viana-Bray model. We also prove Gaussian and non-Gaussian central limits for the random internal energy, in particular with a phase transition at  $\beta=0$  for the non-Gaussian case.