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*Self-averaging in spin glasses with Gaussian disorder.*

In this talk we will consider a natural generalization of the mean-field and short range spin glass models with Gaussian disorder. We will present quantitative results on the self-averaging properties of some physical observables including the magnetization, the Hamiltonian and the cross overlap in the disorder chaos problem. These will cover particularly the Edwards-Anderson model, the random field Ising model and the Sherrington-Kirkpatrick model. Based on joint work with D. Panchenko. (Received August 01, 2015)