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Cheng Ouyang* (couyang@math.uic.edu), MSCS (M/C 249), 851 South Morgan Street, Chicago, IL 60607. *Moment estimates for some renormalized parabolic Anderson models*. Preliminary report.

We consider a parabolic Anderson model with Gaussian noise whose space time covariance function is singular. We shall give some information about the moments of the solution when the stochastic heat equation is interpreted in the Skorohod sense. Of special interest is the critical case, for which one observes a blowup of moments for large times. (Received September 03, 2019)