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Spectral Function of Manganite Systems JUAN SALAFRANCA, ELBIO DAGOTTO, Dept. of Physics and Astronomy, University of Tennessee and Materials Science and Technology Division, Oak Ridge National Laboratory — Using a double exchange model with Jahn Teller distortions, we calculate the one particle spectral function of manganite systems. The relative contribution of the different interactions is established by means of Monte Carlo and self consistent mean field calculations. In particular, we examine the effects of electron-electron and electron-phonon couplings. We discuss the relevance of our results in relation to recent Photoemission experiments on layered manganites [1], where similarities of manganites spectra with that of cuprates was observed.