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Ernest Fontich and **Rafael de la Llave*** (rafael.delallave@math.gatech.edu), School of Mathematics, 686 Cherry St., Atlanta, GA 20332, and **Yannick Sire**. *Quasi-periodic and almost periodic solutions in coupled systems.*

We consider systems of coupled hamiltoninas.

We assume that the system is coupled and that the coupling decays suitably fast with the distance (some power law decays suffice).

We assume that the Hamiltonian at each site has KAM tori and hyperbolic fixed points and that satisfies some non-degeneracy conditions.

We present two theorems: One is that if the couplings are weak enough, there is a large measure set of the tori of one site that survive the coupling with the system.

The second theorem asserts that a for a full measure set of the frequencies that survive in the first theorem, we can find orbits in which a sequence of sites is excited with the frequencies. Note that the second theorem does not require that the coupling is small and does not require to excise any measure.

The main technique is an a-posteriori theorem formulated in spaces which are carefully designed to capture the notion of decaying interaction. (Received February 03, 2015)