

In this talk firstly, I would like to talk about warm inflation. Warm scenario of inflation has some important implications. For example, it smoothly connects inflation era to the radiation epoch, without any reheating epoch. Therefore, there is no need for the minimum of the potential of inflaton. On the other hand, perturbation of the inflaton field is encoded in the exiting thermal state instead of quantum vacuum state. Effective theory of fields for warm inflation with interacting term between inflaton and light fields (radiation) have some problems where the theory is thermalized. In the first part of this talk, I will introduce the theoretical problems of Warm inflation model. Then, I will present an effective action of interacting inflaton field which resolves the problems of warm inflation model.