

Title : Protoplanetary disks dynamics and planetesimals formation

Abstract : Planet formation is intrinsically coupled to protoplanetary disks dynamics and evolution. Several steps in the formation of planets can not be explained without understanding the dynamics of disks gaseous phase, including wave propagation, turbulence, or gas/solid coupling. We present here some of these dynamical processes that are keys for the early phases of planet formation and especially for the growth of pebbles to planetesimals.