

THE CLUSTER ORIGIN OF THE SOLAR SYSTEM

Susanne Pfalzner (Max-Planck-Institut für Radioastronomie, Bonn, Nemčija) bo predavala o nastanku Sončevega sistema v **torek, 28. 2. 2012, ob 14h v predavalnici F5 na FMF**, Jadranska 19, Ljubljana. Vabljeni!

Prejšnja predavanja so na razpolago na spletni strani [Astrodebate](#). Predavanje bo v angleščini.

Povzetek predavanja:

The solar system was not born in a such sparse environment as it is located in today but as part of a relatively dense star cluster. It will be shown how one comes to that conclusion and how this shapes our knowledge about the early history of the solar system. This cluster environment influenced various properties of the solar system like its composition, size and the orbital parameters of some of its constituting bodies. Recently it has been demonstrated that in the Milky Way such massive clusters as that of the solar birth cluster clusters only form in two forms - starburst clusters and leaky clusters. Here it will be investigated how likely it is that our own Solar System has formed in one of these two cluster environments and how this gives us a much more precise picture of the first 20 Myr of our solar system.