

Workshop

**« The outer solar system : dynamics, formation
and observation » 28-30th October 2019**

Sala S

Dipartimento di Matematica

"Giuseppe Peano" Via Carlo Alberto 10 Torino

Program

Monday October 28th

9.15-10.00 : Oort cloud comets as a tracer of the Oort cloud structure (M. Fouchard)

10.00-10.45 : A fingerprint of an Oort disk in the known long period comets sample (A. Higuchi) 10.45-11.15 coffee break

11.15-12.15 :The Oort Cloud and the Sun's birth cluster (H. Rickman)

12.15-14.00: lunch break

14.00-15.45 : Discussion on the Oort cloud formation. How can we put some constraints of the formation process ?

Tuesday 29th October 2019

9.15-10.15 :Chaos in the inert Oort cloud (M. Saillenfest)

10.15-11.00 : Fast chaos in the outer planetary region (G. Valsecchi)

11.00-11.30 coffee break

11.30-12.15: Comets as indicators of dynamical processes in the outer Solar system (V. Emelyanenko)

12.15-14.00: lunch break

14.00-15.45 : Discussion on the dynamics on objects beyond Neptune and what fingerprint can we expect from objects coming

Wednesday October 30th:

9.15-10.00 : The different catalogues of comets (T. Ito)

10.00-10.45 :Observation of “dark comets”using Subaru Telescope (T. Ito)

10.45-11.15 : coffee break

11.15-12.00: The catalogue of comets under construction at IMCCE (L. Maquet)

12.15-14.00: lunch break

14.00-15.45 : Discussion on the difficulties to get reliable original orbital elements and to compare the already existing catalogue.