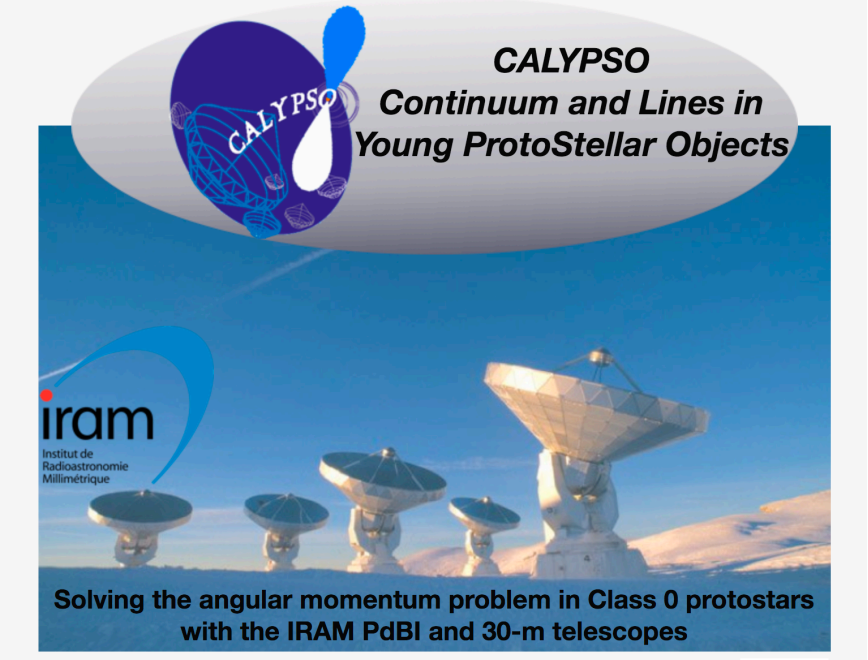

CALYPSO IRAM-PdBI Large Program

(Continuum and Lines in Young Protostellar Objects)

http://irfu.cea.fr/Projets/Calypso/Welcome.html

(see Maury et al. 2018, A&A 621, A76 for an overview)

CALYPSO (Continuum and Lines in Young Protostellar Objects) is an IRAM Large Program that combined Plateau de Bure and 30-m telescope observations to produce a comprehensive set of observations of continuum and line emission in the nearest low-mass Class 0 protostars. The scientific objectives of the project are 1) to constrain the formation process of accretion disks and multiple systems during protostellar collapse, 2) to clarify the role of protostellar jets and outflows in extracting mass and angular momentum from collapsing cloud cores, and 3) to assess the relative importance of inflow, rotation, and outflow motions in the youngest protostellar envelopes. Addressing these issues, which all have a strong bearing on the long-standing angular momentum problem of star formation, is of paramount importance to better understand the origin of our own solar system.

The program is led by Philippe André (CEA Saclay) and four working group coordinators:
Anaëlle Maury (CEA Saclay - Protostellar disks and multiple systems)
Claudio Codella (INAF Arcetri - Molecular jets and outflows)
Sébastien Maret (IPAG Grenoble - Envelope structure, kinematics, chemistry)
Patrick Hennebelle (CEA Saclay - Numerical simulations and modelling)