The Global Architecture of Planetary Systems Project
Poster : yes

I. Pagano, C. Boccato, R. Claudi, R. Cosentino, E. Covino, S. Desidera, R. Gratton, A.F. Lanza, A. Maggio, G. Micela, E. Molinari, G. Piotto, E. Poretti, R. Smareglia, A. Sozzetti and the GAPS Team

GAPS (Global Architecture of Planetary Systems) is an Italian long-term project devoted to understanding the architectural properties of planetary systems in connection with the characteristics of their host stars, taking advantage of the surgical (<1 m/s) radial velocity precision provided by HARPS-N @ TNG. This project is the result of a concerted collaborative effort of a large fraction of the Italian community interested in exoplanets. Among the GAPS' goals, searching for super-earths and neptunians around low-mass and metal-poor stars, and in planetary systems already known to host giants beyond 1 AU, is of specific interest to follow-up characterizing projects like EChO. We present here the status of the program, including first recently published results.