

# **Planet-gas interactions in debris discs – Observable structures**

Camille Bergez-Casalou  
LESIA, Observatoire de Paris-Meudon

Abstract: Recent observations of debris discs show that they can host important amount of gas (up to a few  $10^{\text{th}}$  of Earth Masses). This gas, highly enriched in CO, might be kinematically perturbed by the presence of planets already formed in the system. In this talk, I will present under which conditions these perturbations (called CO kinks) can be observed with ALMA. While observations of CO kinks in protoplanetary disks are used to indirectly observe forming planets, such observations in older discs can lead to the discovery of new exoplanets originally hidden in the highly dusty debris discs.