



COLLÈGE
DE FRANCE
— 1530 —

CHAIRE DE PHYSIQUE DE LA MATIÈRE CONDENSÉE

Année académique 2018-2019

Antoine GEORGES
Professeur

Fermions en interaction : Introduction à la théorie
du Champ Moyen Dynamique

Cours les mardis 7, 14, 21 et 28 mai, 11 juin à 9h30,
suivis du séminaire à 11h30

Amphithéâtre Guillaume Budé

Workshop - Tuesday, June 11, 2019 14h00 – 18h30

Salle 2, 11 place Marcelin Berthelot 75005 Paris

(A lecture by A.Georges and seminar by O.Parcollet will take place in the morning,
9:30-12:30, in Amphithéâtre Guillaume Budé)

Dynamical Mean-Field Theory and Beyond: Recent Developments

(Talks are 30' plus 15' discussion)

14:00-14:45 Manuel Zingl (CCQ, Flatiron Institute). ***Recent insights on Sr_2RuO_4 : High-resolution photoemission and Hall effect***

14:45-15:30 Jernej Mravlje (Jožef Stefan Institute, Ljubljana). ***Hund's metals: overview, NRG insights, and the role of spin-orbit coupling***

15:30-16:15 Hugo Strand (CCQ, Flatiron Institute). ***Magnetic response of a Hund's metal within DMFT: Sr_2RuO_4***

16:15-17:00 Break

17:00-17:45 Alessandro Toschi (IFP – TU Wien). ***Fluctuation diagnostics of many-electron systems: how to read between the lines of single-particle spectra***

17:45-18:30 Leonid Pourovskii (CPHT, Ecole Polytechnique and Collège de France). ***A DMFT insight into the Earth's core: many-electron effects in iron under extreme conditions***