

## Meeting on *Ultracold Quantum Mixtures* (18th-20th of July 2018)

UPC - Physics Department - Campus Nord - Building B4  
seminar room on the 2<sup>nd</sup> floor - a map may be found [here](#)

### Schedule

Wednesday		
13-15	Lunch	
15	Arturo Camacho Guardian	Effective interaction between Bose polarons
16	Break	
16.30	Grecia Guijarro	One-dimensional three-boson problem with two- and three-body interactions
Thursday		
10	Francesco Scazza	Time-resolved spectroscopy of repulsive Fermi gases: from the impurity limit to quenches in the balanced case
11	Julio Sanz	Quantum liquid droplets in a mixture of Bose-Einstein condensates
11.30	Break	
12	Carmelo Mordini	Statics and dynamics in a miscible quantum mixture
12.30	Francisco Salces-Carcoba	Thermodynamic states of individual 1D Bose gases
13-15	Lunch	
15	Matteo Zaccanti	Lithium-Chromium Fermi mixtures with resonant 2- and 3-body interactions
16	Break	
16.30	Georg Bruun	Impurities and topology
...	Open discussion	
Friday		
10	Richard Schmidt	Atom-tronics with a spin
11	Coffee Break	
11.30	Pietro Massignan	Bose polarons at finite temperature and strong coupling
...	Open discussion	
13-15	Lunch	
15	Open discussion	

## Participants

		Wednesday	Thursday	Friday
Ferran Mazzanti	UPC	1	0	0
Grecia Gujarro	UPC	1	1	0
Jordi Boronat	UPC	1	1	0
Pietro Massignan	UPC	1	1	1
Raúl Bombin	UPC	1	1	0
Francesco Scazza	LENS - Florence	1	1	1
Matteo Zaccanti	LENS - Florence	1	1	1
Arturo Camacho	Aarhus	1	1	1
Georg Bruun	Aarhus	0	1	1
Luis Ardila	Aarhus	1	1	1
Richard Schmidt	MPQ - Munich	0	1	1
Eugene Demler	Harvard University	0	0	1
Anika Froelian	ICFO (exp)	0	1	0
Cesar Cabrera	ICFO (exp)	0	1	0
Craig Chisholm	ICFO (exp)	0	1	0
Julio Sanz	ICFO (exp)	0	1	0
Manon Ballu	ICFO (exp)	0	1	0
Teo Gil	ICFO (exp)	0	1	0
Emilio Pisanty	ICFO (theor)	1	0	0
Giulia De Rosi	ICFO (theor)	1	1	1
Irene Melgarejo	ICFO (theor)	0	1	0
Carmelo Mordini	Trento U.	0	1	0
Francisco Salces-Carcoba	Maryland U.	0	1	0
Nathan Harshman	American U.	1	1	0
<b>TOTAL</b>		<b>12</b>	<b>21</b>	<b>9</b>