

ADAS-EU Course CEA Cadarache

26 Sep. – 4 Oct. 2012

Day 1

14:30 – 15:15	Introduction to ADAS	Martin O'Mullane
	Coffee	
15:30 – 16:10	Setting up computer system and user accounts	

Day 2

9.30 - 9.45	Computing instructions for CEA	Martin O'Mullane
9.45 - 10.30	Excited population structure	Alessandra Giunta
	Coffee	
10.45 - 12.30	Tutorial sheet and one-to-one instruction	
	Lunch	
13.30 - 14.00	Advanced population models	Hugh Summers
14.00 - 15.00	Tutorial sheet and one-to-one instruction	
	Coffee	
15.30 - 16.00	Charge exchange for population models	Hugh Summers

Day 3

9:30 – 10:15	Overview of Atomic Structure and Collision Theory	Nigel Badnell
	Coffee	
10:30 – 11:00	ADAS and fundamental data generation	Martin O'Mullane
11:00 – 12:20	Tutorial sheet and one-to-one instruction	
	Lunch	
14:00 – 16:00	Round table discussions	

Day 4

9:30 – 10:15	Embedding ADAS in other codes	Martin O'Mullane
	Coffee	
10:30 – 11:00	Ionisation state	Alessandra Giunta
11:00 – 12:20	Tutorial sheet and one-to-one instruction	
	Lunch	
14:00 – 14:30	Making data for ionisation state studies	Martin O'Mullane
14:30 – 16:00	Round table discussions	

Day 5

9:30 – 10:15	Introduction of molecular models and data in ADAS	Francisco Guzmán
	Coffee	
10:30 – 12:20	ADAS series 9 and tutorial	Francisco Guzmán
	Lunch	
14:00 – 15:00	Round table discussions	
15:00 – 16:00	Tutorial sheet and one-to-one instruction	

Day 6

9:30 – 10:15	ADAS spectral features	Martin O'Mullane
	Coffee	
10:30 – 11:15	Differential Emission Measure	Alessandra Giunta
11:15 – 12:20	Tutorial sheet and one-to-one instruction	
	Lunch	
14:00 – 15:00	Round table discussions	
15:00 – 16:00	Tutorial sheet and one-to-one instruction	

Day 7

9:30 – 10:15	Charge exchange spectroscopy	Martin O'Mullane
	Coffee	
10:30 – 11:15	Beam stopping and beam emission spectroscopy	Luis Fernández-Menchero
11:15 – 12:20	Tutorial sheet and one-to-one instruction	
	Lunch	
14:00 – 16:00	Course review	