	Monday, Jul 20	Tuesday, Jul 21	Wednesday, Jul 22	Thursday, Jul 23	Friday, Jul 24
Start time					
10:30	WELCOME; Intro to meeting and participants; scope and instructions	General discussion on previous day & exercises; common doubts & issues.		Spectrographs vs. Filtergraphs: quirks & peculiarities (V. Martinez Pillet)	Case study: review of of a research paper on ME inversions
11:00	Introduction to radiative transfer and spectral line formation. (H. Uitenbroek)	Generation of polarized radiation and its transfer / ME case (<i>H. Uitenbroek</i>)	inversions: degeneracy, assumptions,	Introduce observational ground- based data for exercises (e.g. GRIS; IBIS, CRISP). (I. Milic)	Resolving the 180 degree ambiguity (G. Barnes)
12:00	BREAK				
12:30	The Milne-Eddington approximation (H. Uitenbroek)	Exercise on forward synthesis with different spectral lines/field characteristics	ME inversions: degeneracy, assumptions, error (ctd.). [examples provided within the lecture]	Exercise: ME inversion of ground based data	Intro to DKIST and its spectro- polarimetic instruments (F. Woeger)
13:00	-Spectral synthesis guided exercise				DKIST 1st Call for Proposals (A. Tritschler)
13:30		Write your own inversion (guided instructions) (I. Milic)	Exercise: inversion of Hinode data		The NCSP Level 2 project (H. Uitenbroek)
14:00	BREAK				
14:30	First attempt at "inversions". Fitting exercise	Write your own inversion / test it on synthetic data		Exercise: ME inversion of ground based data	Introduce ViSP IPC / examples. Exercise: devise the best ViSP IPC configuration for your science case (G. Cauzzi)
15:30		Introduction to pyMilne (I. Milic)	General discussion, common doubts & issues. Introduce datacube of simulated profiles.	General discussion, doubts & issues	FINAL REMARKS, END OF WORKSHOP
16:00	ADJOURN				END OF WORKSHOP
		GENERAL LECTURE			
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