

**37th International School for Young Astronomers**  
**November 22 - December 11**  
**HONDURAS**

Arrival to Tegucigalpa: Sunday, November 22

**Week-1**

Hour	Monday 23	Tuesday 24	Wednesday 25	Thursday 26	Friday 27	Saturday 28	Sunday 29						
8:30 - 10:00	Opening (MCPC) Welcome	LECTURE (MG 2) Stellar Fundamental Parameters : their determination in the light of the Gaia space mission	LECTURE (Paola 2) Kinematics and stellar populations of galaxies	LECTURE (Silvia 1) Interstellar matter - different phases and observations	LECTURE (Ed 3) Exoplanets -- finding them and searching for evidence of life (Astrobiology / Extremophiles)	Trip to Valle de Angeles							
10:00 - 10:30	Recess	Recess	Recess	Recess	Recess								
10:30 - 12:00	LECTURE (Kam 1) Binary Stars Research impact on Cosmology	LECTURE (Kam 2) Emission-Lines Stars 1	LECTURE (Ed 1) Sun in Time-- Magnetic Evolution of the Sun and effects on solar-system planets	LECTURE (Ed 2) Solar dynamos/flares and superflares and effects on Earth	STUDENT TALKS 1 (students)			Trip to Valle de Angeles	Free				
12:00 - 14:00	Transfer to University Campus and Lunch												
14:00 - 15:30	LECTURE (MG 1) Stellar Fundamental Parameters : their determination in the light of the Gaia space mission	LECTURE (Paola 1) Galaxy Formation and evolution in a nutshell	LECTURE (Ed) "To give a talk..."	Discussion "Interplanetary and Interestellar travel, Mars colonization and beyond"	PUBLIC TALK (Silvia Torres) La vida y la muerte de las estrellas y su huella en la historia de la Galaxia					Trip to Valle de Angeles	Free		
15:30 - 16:00	Recess	Recess	Recess	Recess	Recess								
16:00 - 18:00	1) Presentation of the School (Kam) ; 2) Practical information (MJQ). 3) Students intro themselves. 4) Presentation of the Labs activities (MG).	LECTURE (MG) "Basics of Observational astronomy"	LAB Set up of the Lab activities (MG); Lab 1	Discussion (Ed., MCPC)	LAB (MG) Lab 2							Trip to Valle de Angeles	Free
18:00 - 18:30	Transfer to Student's Residence												

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**Week-2**

Hour	Monday 30	Tuesday 1	Wednesday 2	Thursday 3	Friday 4	Saturday 5	Sunday 6	
8:30 - 10:00	POSTER PRESENTATIONS by the students having chosen that way of presentation. 1	LECTURE (Paola 3) Virtual observatory: current tools	LECTURE (MG) Gaia Space Mission	LECTURE (MD 2) The "variable sky" astrophysics, and the need of spectroscopic follow-up	Trip from Tegucigalpa to Copan Ruins	LECTURE (VV) The Stelae of the Archaeological Park	Trip from Copan Ruins to Tegucigalpa	
10:00 - 10:30	Recess	Recess	Recess	Recess				
10:30 - 12:00	LECTURE ( Kam 3) Emission-line Stars (2)	LECTURE (Kam 4) Eclipsing Binary Systems	LECTURE (MD. 1) Modern detectors	LECTURE (MD ) Writing a proposal + some student talks				
12:00 - 14:00	Transfer to University Campus and Lunch							Guided Visit to the Ruins (JM)
14:00 - 15:30	LAB (MG) ... Lab 2	LAB (MG) Lab 4	STUDENT TALKS 2 (students)	LECTURE (Paola 3) Virtual Observatories: current tools and Lab.				
15:30 - 16:00		Recess	Recess	Recess				
16:00 - 18:00	LAB (MG) Lab 3	LAB (Paola)	POSTER PRESENTATIONS by the students having chosen that way of presentation. 2	LAB (MG) Remote observations open cluster/data base of open cluster				Guided Visit to the Town Museum (JM)
18:00 - 18:30	Transfer to Student's Residence							

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**Week-3**

Hour	Monday 7	Tuesday 8	Wednesday 9	Thursday 10	Friday 11	Saturday 12	Sunday 13
8:30 - 10:00	LECTURE / LAB (RB 1) Virtual observatories for a funny Astronomy research	LECTURE / LAB (RB 2) Virtual observatories for a funny Astronomy research	LECTURE / LAB (RB 3) Virtual observatories for a funny Astronomy research	LECTURE (MG 4) Stellar Atmosphere modeling (...cont.)	Students lab presentation	<b>Departure</b>	
10:00 - 10:30	Recess	Recess	Recess	Recess	Recess		
10:30 - 12:00	LECTURE (MD 3) The development of telescopes, and present technologies involved	LECTURE (MD 4) Instrumentation, mainly spectrographs	LECTURE (MG 3) Stellar Atmosphere modeling	Alumni Session The future; Preparation of the presentations	Students lab presentation		
12:00 - 14:00	Transfer to University Campus and Lunch						
14:00 - 15:30	LAB (RB 1)	PUBLIC TALK (Rodolfo Barbá) Cómo pesar estrellas	LECTURE (MCPC) Meteors and meteorites	LECTURE (MD) Writing CVs, publishing ...	Students lab presentation ; Evaluation		
15:30 - 16:00	Recess	Recess	Recess	Recess	Recess		
16:00 - 18:00	LAB (RB 1) ...cont.	LAB (RB 2) ...cont.	LAB (RB 3) ...cont.	Preparation of the presentations (cont)	Closing LOC		
18:00 - 18:30	Transfer to Student's Residence						
19:00 - 21:00				Closing dinner			

Silvia Torres Peimbert	Silvia
Kam-Ching Leung	Kam
Edward Guinan	Ed
Rodolfo Barbá	RB
Paola Oliva-Altamirano	Paola
Michel Dennefeld	MD
Michele Gerbaldi	MG
María Cristina Pineda de Carías	MCPC
María de Jesús Quiroz	MJQ
Vito Véliz	VV
Javier Mejuto	JM