Joint ICTP-SAIFR/MITP Summer School on Particle Physics								Organizers
Frontiers in Beyond the Standard Model Physics								Gustavo Burdman
	Sunday	**Monday***	**Tuesday**	**Wednesday**	**Thursday**	**Friday**	**Saturday**	Matthias Neubert
	11-09-22	*12-09-22*	*13-09-22*	*14-09-22*	*15-09-22*	*16-09-22*	*17-09-22*	Rogerio Rosenfeld
		***Note: Monday times are one hour forward compared to the remainder of the school**						Felix Yu
9:15-10:00		**Registration (at 9:00)**	**Shadmi 2**	**Shadmi 3**	**Hubisz 4**	**Shadmi 5**		*ICTP-SAIFR and JGU Mainz*
10:00-10:15		**Welcome and introduction**						
10:15-10:45								
10:45-11:15		**Csaki 1**	Coffee break	Coffee break	Coffee break	Coffee break		**3 lecture series**
11:15-11:45								**Naturalness-Motivated BSM**
11:45-12:00		Coffee break	**Csaki 2**	**Hubisz 3**	**Shadmi 4**	**Csaki 5**		*Csaba Csaki (Cornell U.)*
12:15-12:45		**Shadmi 1**						**Tools at the Frontiers of BSM: Amplitudes**
12:45-13:45			Lunch	Lunch	Lunch	Lunch		*Yael Shadmi (Technion)*
13:45-14:00	***Arrival***							**Cosmology**
14:00-14:15		Lunch		**Colloquium - Terning**				*Jay Hubisz (Syracuse)*
14:15-15:00			**Hubisz 2**		**Csaki 4**	**Hubisz 5**		
15:00-15:15				Break				
15:15-15:30								
15:30-15:45								
15:45-16:00		**Hubisz 1**	Break		Break	Break		
16:00-16:15			**Homework/discussion**	**Csaki 3**	**Homework/discussion**	**TBA**		
16:15-16:30								
16:30-16:45								
16:45-17:00		Break						
	18-09-22	*19-09-22*	*20-09-22*	*21-09-22*	*22-09-22*	*23-09-22*	*24-09-22*	
9:00-9:15								
9:15-10:45		**Plehn 1**	**Plehn 2**	**d'Agnolo 3**	**Perez discussion**	**Plehn 5**		**3 lecture series**
10:45-11:15		Coffee break	Coffee break	Coffee break	Coffee break	Coffee break		**The Light and Feeble Frontier: Light DM, Feebly Interacting Particles, ALPs and other beasts**
11:15-12:45		**Perez 1**	**d'Agnolo 2**	**Perez 3**	**Plehn 4**	**d'Agnolo 5**		*Raffaele Tito d'Agnolo (IPhT Saclay)*
12:45-14:00		Lunch	Lunch	Lunch	Lunch	Lunch		**Tools at the Frontiers of BSM: Future Colliders and Machine Learning**
14:00-14:15				**Colloquium - Grojean**			***Departure***	*Tilman Plehn (U. of Heidelberg)*
14:15-15:00								**Frontiers in non-natural BSM**
15:00-15:30		**d'Agnolo 1**	**Perez 2**	Break	**d'Agnolo 4**			*Gilad Perez (Weizmann Institute)*
15:30-15:45				**Plehn 3**				
15:45-16:00		Break	Break		Break			
16:00-17:00		**TBA**	**Homework/discussion**		**Homework/discussion**			
								Revision
								Sept. 5, 2022