

su		07-May			
		registration			
		welcome dinner at Pousada la Bonita			
		after dinner: presentations, learning portuguese			
mo		08-May			
7:00 - 8:00		breakfast			
8:00-9:00		quiz	students	first quiz	
9:00-10:00		lecture	Grazyna	introduction	
10:00-10:15		coffee break			
10:15-11:15		lecture	Grazyna	look at spectra	
11:15-12:15		lecture	Natalia	dereddening	
12:15-16:00		free time			
16:00-19:00		hands on	Christophe	intro python+pyneb	
			Christophe	intro python+pyneb	
			Chris/Grazy	dereddening	
19:00-21:00		dinner in la Bonita			
21:00-22:00		after dinner: preparation for schools			
tue		09-May			
7:00 - 8:00		breakfast			
8:00-9:00		lecture	Claudio	X-ray spectroscopy	
9:00-10:00		lecture	Claudio	atomic processes/atomic systems	
10:00-10:15		coffee break			
10:15-11:15		lecture	Grazyna	physics of photoionized nebulae in a nutshell 1	
11:15-12:15		lecture	Grazyna	physics of photoionized nebulae in a nutshell 2	
12:15-16:00		free time			
16:00-19:00		hands on	Chris/Grazy	2. line emissivities	
			Chris/Grazy	2. line emissivities	
			Chris/Grazy	2. line emissivities	
19:00-21:00		dinner in la Bonita			
21:00-22:00		after dinner: 4 students presentations			
we		10-May			
7:00 - 8:00		breakfast			
8:00-9:00		lecture	Grazyna	plasma diagnostics	
9:00-10:00		lecture	Claudio	plasma diagnostics in X-rays	
10:00-10:15		coffee break			
10:15-11:15		hands on	Chris/Grazy	3. plasma diagnostics	
11:15-12:15		hands on	Chris/Grazy	3. plasma diagnostics	
12:15-13:15		hands on	Chris/Grazy	3. plasma diagnostics	
13:15-15:00		viagem de van a Natal (almoço de sandwiche no van)			
15:00-16:00		public conference in IIP	Grazyna	"o Universo invisivel"	
16:00-16:30		visit of the Internationa Institute of physics in Natal			
17:00-19:00		passeio e compras em Natal			
20:00-22:00		dinner in natal at Casa do Matuto			
thur		11-May			
7:00 - 8:00		breakfast			
8:00-9:00		lecture	Claudio	reliability of atomic data	
9:00-10:00		lecture	Claudio	interpolation and extrapolation of atomic data	
10:00-10:15		coffee break			
10:15-11:15		lecture	Grazyna	abundance determinations: direct methods	
11:15-12:15		lecture	Grazyna	abundance determinations: statistical methods	
12:15-16:00		free time			
16:00-19:00		hands on	Chris/Grazy	4. abundance derivation with direct method	
		hands on	Chris/Grazy	4. abundance derivation with direct method	
		hands on	Chris/Grazy	4. abundance derivation with direct method	
19:00-21:00		dinner in la Bonita			
21:00-22:00		after dinner: 4 students presentations			
fri		12-May			
7:00 - 8:00		breakfast			
8:00-9:00		lecture	Natalia	principles of inverse population synthesis	
9:00-10:00		lecture	Natalia	introduction to Starlight	
10:00-10:15		coffee break			
10:15-11:15		hands on	Grazyna	determination of effective temperatures and U	
11:15-12:15		hands on	Grazyna	determination of star-formation rates	
12:15-16:00		free time			
16:00-19:00		hands on	Natalia	line measurements	
16:00-19:00		hands on	Natalia	using Starlight	
16:00-19:00		hands on	Natalia	using Starlight	
19:00-21:00		dinner in la Bonita			
21:00-22:00		after dinner: 4 students presentations			
sa		13-May			
7:00 - 8:00		breakfast			
		excursion to rio tinto peixe boi			
		lunch at natureza bar e resaurante			
16:00		conf in aldeia tramataia	Natalia	Descobrimdo o Universo	
19:30-21:00		dinner pizzas de massa de mandioca		no bar azul	
21:00-22:00		cinema no bar azul: sonho de peixe			
su		14-May			
9:00 - 10:00		breakfast			
10:00 - 13:00		hands on	Grazyna	intro to photoionization models	

		hands on		Chris/Grazy	5. First steps with Cloudy		
		hands on		Chris/Grazy	5. First steps with Cloudy		
19:00-23:00		dinner: luau na praia					
mo	15-May						
7:00 - 8:00		breakfast					
8:00-9:00		lecture		Grazyna	dust in ionized nebulae		
9:00-10:00		lecture		Grazyna	dust in ionized nebulae		
10:00-10:15		coffee break					
10:15-11:15		lecture		Grazyna	stellar atmospheres		
11:15-12:15		lecture		Grazyna	shock excitation		
12:15-16:00		free time					
16:00-19:00		hands on		Chris/Grazy	6. using Cloudy to understand photoionization		
16:00-19:00		hands on		Chris/Grazy	6. using Cloudy to understand photoionization		
16:00-19:00		hands on		Chris/Grazy	6. using Cloudy to understand photoionization		
19:00-21:00		dinner in la Bonita					
21:00-22:00		after dinner: 4 students presentations					
tue	16-May						
7:00 - 8:00		breakfast					
8:00-9:00		lecture		Grazyna	active galactic nuclei 1		
9:00-10:00		lecture		Grazyna	active galactic nuclei 2		
10:00-10:15		coffee break					
10:15-11:15		lecture		Javier Garcia	models of X-ray emission 1		
11:15-12:15		lecture		Javier Garcia	models of X-ray emission 2		
12:15-16:00		free time					
16:00-18:00		activity with schools in Baia Formosa					
19:00-21:00		dinner in Baia Formosa					
we	17-May						
7:00 - 8:00		breakfast					
8:00-9:00		lecture		Grazyna	diagnostics of excitation sources 1		
9:00-10:00		lecture		Grazyna	diagnostics of excitation sources 2		
10:00-10:15		coffee break					
10:15-11:15		hands/on		Chris/Grazy	grids of photoionization models		
11:15-12:15		hands/on		Chris/Grazy	grids of photoionization models		
12:15-16:00		free time					
16:00-18:00		activity with schools in Baia Formosa					
18:00-19:30		open public conf in BF		Natalia	Descobrimos o Universo		
19:00-21:00		dinner in Baia Formosa					
thur	18-May						
7:00 - 8:00		breakfast					
8:00-9:00		lecture		Grazyna	temperature fluctuations and ADFs 1		
9:00-10:00		lecture		Grazyna	temperature fluctuations and ADFs 2		
10:00-10:15		coffee break					
10:15-11:15		lecture		Fang Xuan	atomic data for recombination lines		
11:15-12:15		lecture		Claudio	atomic data bases		
12:15-16:00		free time					
10:15-11:15		hands/on		Chris/Grazy	multi-component nebulae		
10:15-11:15		hands/on		Chris/Grazy	multi-component nebulae		
10:15-11:15		hands/on		Chris/Grazy	multi-component nebulae		
19:00-21:00		dinner in la Bonita					
21:00-22:00		after dinner: 4 students presentations					
fri	19-May						
7:00 - 8:00		breakfast					
8:00-9:00		lecture		Claudio	VAMDC		
9:00-10:00		lecture		Claudio	VAMDC		
10:00-10:15		coffee break					
10:15-11:15		quiz		students	last quiz		
11:15-12:15				all	nebulatom 3 summary		
12:15-16:00		free time					
16:00-19:00		hands on		Chris/Grazy	model-fitting of planetary nebulae		
16:00-19:00		hands on		Chris/Grazy	model-fitting of planetary nebulae		
16:00-19:00		hands on		Chris/Grazy	model-fitting of planetary nebulae		
19:00-21:00		closing dinner at Pousada la Bonita					
sa	20-May						
		breakfast in la bonita					
		leaving					