ASP2010, SA - Accelerator and Technology week - August 16-21

Preliminary Schedule - by Ch. Darve / May 28, 2010

		Monday 16	Tuesday 17	Wednesday 18	Thursday 19	Friday 20
	Subject	**AT1 - Beam Optics**	**AT2 - Accelerators**	**AT3 - Instrumentation**	**AT4 - Applications**	**AT5 - Applications**
	Lecturers	***Bernhard Holzer***	***Ph. Lebrun Bernhard Holzer John Weisend***	***Uli Raich John Weisend Ch. Darve Marco Silari***	***Lenny Rivkin Giorgio Margaritondo Marco Silari Manjit Dosanjh Thierry Muanza***	***Norbert Holtkamp Heinrich Schwoerer Lenny Rivkin***
Classes	**h1** **9:00 - 10:00**	History & Applications (BH)	Fundamental Physics, Cryogenics (PhL)	Beam Diagnostics (UR)	Synchrotron Radiation (LR)	Magnetic Confinement Fusion (NH)
	h2 **10:00 - 11:00**	Beam Dynamics & Stability (BH)	RF Cavities (+long. dyn) (BH)		Appl. of Synch. Rad. (Protein Cryst. Mat. sc., Med. Imag.) (GM)	
	h3 **11:15 - 12:15**		Warm Magnets (JW)	Magnets and RF Instrumentation (CD+JW)		Laser driven plasma accelerator (HS)
	h4 **13:30 - 14:30**	Accelerator Operation (BH)	Cold Magnets (JW)	Intro to Medical Accelerator (MS)	Radionuclide Production and Radiation Therapy (MS)	Light Sources (LR)
	Tutors	***B. Holzer + A. Dabrowski + J. Weisend+Ch. Darve+ U. Raich + B. Becker***	***B. Holzer + A. Dabrowski + J. Weisend+Ch. Darve+ U. Raich + Ph. Lebrun***	***Lecturers + SA***	***Lecturers + SA***	***Lecturers + SA***
Practices and Discussion Sessions	**p1** **14:45 - 15:45**	AT1_DS1: Accelerator Optics Design (BH, LB, JW, CD, AD)	Star lecture: LHC (Ph. L)	i-Themba Labs Visit * Cyclotrons for medical applications * Neutron&X-ray beamlines for Acc.-driven Sources * Laser Practices Radiation Measurement (MS)	Medical App. + Hadron Therapy (MD)	AT5_DS1: Magnetic Confinement Fusion (NH)
	p2 **15:45 - 16:45**				Medical Therapy - Cancer th. w/ part. Beam (TM)	AT5_DS2: SLS (LR)
	p3 **17:00 - 17:45**	AT1_DS2: IT - GRID & Application (BB) TBC	AT2_DS1: Accelerator System Design (Part I)		AT4_DS1: Radio-isotope&Cancer Rad. Th. eGRID(MD, MS)	AT5_DS3: Laser Practices - TBD or Radio-Protection
	p4 **17:45 - 18:30**		AT2_DS2: Accelerator System Design (Part II)			
			AT2_DS3: Accelerator System Design (Part III)			