

# The Program of the Fifth OCPA Accelerator School

TIME	Monday 1 September	Tuesday 2 September	Wednesday 3 September	Tuesday 4 September	Friday 5 September	Saturday 6 September	Sunday 7 September	Monday 8 September	Tuesday 9 September	Wednesday 10 September
08:00 - 09:00	<b>Welcome</b>	Synchrotron radiation physics	Transverse motion	Lattice design	<b>E X C U R S I O N</b>	Injector	Top-up injection	ERL	FEL basics	User requirements and advanced science on SR
09:00 - 10:00	Conceptual and technological evolution of particle accelerators									
09:00 - 10:00	Particle accelerator	Synchrotron radiation physics	Transverse motion	Lattice design		Injector	Top-up injection	ERL	FEL basics	User requirements and advanced science on SR
<b>Break</b>						<b>Break</b>				
10:15 - 11:15	Particle accelerator	Synchrotron radiation physics	Transverse motion	Lattice design		Injector	Emittance minimization for TPS	Accelerator application	FEL basics	High precision mechanical system design
11:15 - 12:15	Particle accelerator	Longitudinal motion	Coupled emittances in two or more degree of freedom	Beam control		Super-radiant free electron laser	Instability and beam quality	Accelerator application	Design and Status of the CSNS	High precision mechanical system design
12:15										<b>Lunch</b>
14:00 - 15:00	NSRRC site tour	Longitudinal motion	Insertion devices	Beam control		Super-radiant free electron laser	Instability and beam quality	RFQ design	Exam	<b>D E P A R T U R E</b>
15:00 - 16:00	Leave for Chi-Tou 溪頭	Longitudinal motion	Insertion devices	Beam control		Asian Effort in ILC	RF system	RFQ design		
<b>Break</b>						<b>Break</b>				
16:15 - 17:15		Magnet system	Vacuum system	Photoinjector	Dynamic aperture	RF system	Accelerator design for proton therapy			
17:15 - 18:15		Magnet system	Vacuum system	Photoinjector	Dynamic aperture	Commissioning of the BEPC-II	Accelerator design for proton therapy	Design, construction, and commissioning of the SSRF		
18:30	<b>Dinner</b>					<b>Dinner</b>				
20:00 - 21:00	Office hours and discussion	Office hours and discussion	Office hours and discussion	Lattice design by using computers	<b>Banquet</b>	Free discussion	Office hours and discussion	Heavy ions accelerators		
21:00 - 22:00	Assignment and discussion	Assignment and discussion	Assignment and discussion	Lattice design by using computers	Lattice design by using computers	Assignment and discussion	Assignment and discussion	Heavy ions accelerators		