



# Table of contents

Wednesday 18 July 2012 .....	1
Thursday 19 July 2012 .....	2
Friday 20 July 2012 .....	3

# Beam Dynamics Mini-Workshop on Deflecting/Crabbing Cavity Research and Applications in Accelerators

## Wednesday 18 July 2012

### **Plenary Session - IMP Main Conference Room (09:00-10:30)**

- Conveners: Prof. Chen, Huaibi; Dr. HE, Yuan

time	title	presenter
09:00	Welcome	XIAO, Guoqing
09:10	Program Overview	LI, Derun
09:20	Accelerator activities at IMP	ZHAO, Hongwei
09:50	Science of Short Pulse x-rays in Light Sources	NASSIRI, Ali

### **Plenary Session - IMP Main Conference Room (11:00-12:00)**

- Conveners: Dr. Nassiri, Ali; Dr. Kim, Kwang-Je

time	title	presenter
11:00	LHC Luminosity Upgrade and Deflecting Cavities Strategy	CALAGA, Rama
11:30	Experiences with KEK-B Crab cavity	HOSOYAMA, Kenji

### **Plenary Session - IMP Main Conference Room (13:30-15:00)**

- Conveners: Li, Derun; Dr. Byrd, John

time	title	presenter
13:30	Deflecting cavities development in UK	BURT, Graeme
14:00	Compact TEM-type deflecting cavities	DELAYEN, Jean
14:30	Emittance-exchange-based high harmonic generation scheme for FEL	JIANG, Bocheng

### **Plenary Session - IMP Main Conference Room (15:20-17:50)**

- Conveners: Dr. Gao, Jie; Prof. Liu, Kexin

time	title	presenter
15:20	The Theory of Beam Manipulation and Emittance Exchange	KIM, Kwang-Je
15:50	Beam Dynamics of Chirp Scheme in Storage Rings	SAJEAV, Vadim
16:20	Applications of deflecting cavities in x-ray free electron lasers	DING, Yuantao

## Thursday 19 July 2012

### **Plenary Session - IMP Main Conference Room (09:00-10:30)**

- Conveners: Dr. ZHAO, Hongwei; Prof. HUANG, Wenhui

time	title	presenter
09:00	Application of shaped beam for wakefield acceleration	GAI, Wei
09:30	Status of the SPX R&D (SPX0)	WU, Genfa

### **Plenary Session - IMP Main Conference Room (11:00-12:00)**

- Conveners: Dr. Byrd, John; Dr. Nassiri, Ali

time	title	presenter
11:00	Advanced Simulations Techniques of Deflecting/Crabbing Cavities	LI, Zenghai
11:30	Advanced Simulation Techniques and Multipactoring Simulations	ZHOU, Chuandong

## Friday 20 July 2012

### **Plenary Session - IMP Main Conference Room (09:00-10:30)**

- Conveners: Dr. CALAGA, Rama; Dr. Rimmer, Robert

time	title	presenter
09:00	ANL Wakefield Accelerator Facility Update	GAI, Wei
09:30	Accelerator Activities at Tsinghua University	HUANG, Wenhui
10:00	Experimental Studies for ILC and CLIC Crab Cavity System	AMBATTU, Praveen

### **Plenary Session - IMP Main Conference Room (13:30-15:45)**

- Conveners: Dr. DELAYEN, Jean; Dr. GAI, Wei

time	title	presenter
14:00	SPX Cavities and Cryomodule Development	RIMMER, Robert
14:30	Wakefield/Impedance Considerations for APS and LHC Crab Cavities	WANG, Haipeng
15:00	Closing Remarks	CHEN, Huaibi LI, Derun NASSIRI, Ali HE, Yuan