



# 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: Huaibi Chen; Yuan HE

time	[id] title	presenter
09:00	[9] Welcome	Dr XIAO, Guoqing
09:10	[13] Program Overview	LI, Derun
09:20	[10] Accelerator activities at IMP	Dr ZHAO, Hongwei
09:50	[11] Science of Short Pulse x-rays in Light Sources	Dr NASSIRI, Ali

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

-Conveners: Ali Nassiri; Kwang-Je Kim

time	[id] title	presenter
11:00	[12] LHC Luminosity Upgrade and Deflecting Cavities Strategy	Dr CALAGA, Rama
11:30	[15] Experiences with KEK-B Crab cavity	Prof. HOSOYAMA, Kenji

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

-Conveners: Derun Li; John Byrd

time	[id] title	presenter
13:30	[16] Deflecting cavities development in UK	Dr BURT, Graeme
14:00	[17] Compact TEM-type deflecting cavities	Prof. DELAYEN, Jean
14:30	[18] Emittance-exchange-based high harmonic generation scheme for FEL	Dr JIANG, Bocheng

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

-Conveners: Jie Gao; Kexin Liu

time	[id] title	presenter
15:20	[19] The Theory of Beam Manipulation and Emittance Exchange	Prof. KIM, Kwang-Je
15:50	[20] Beam Dynamics of Chirp Scheme in Storage Rings	Dr SAJEAV, Vadim
16:20	[32] Applications of deflecting cavities in x-ray free electron lasers	Dr DING, Yuantao

# Thursday, 19 July 2012

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

-Conveners: Hongwei ZHAO; Wenhui HUANG

time	[id] title	presenter
09:00	[36] Application of shaped beam for wakefield acceleration	Dr GAI, Wei
09:30	[35] Status of the SPX R&D (SPX0)	Dr WU, Genfa

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

-Conveners: John Byrd; Ali Nassiri

time	[id] title	presenter
11:00	[26] Advanced Simulations Techniques of Deflecting/Crabbing Cavities	Dr LI, Zenghai
11:30	[28] Advanced Simulation Techniques and Multipactoring Simulations	Dr ZHOU, Chuandong

# Friday, 20 July 2012

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

-Conveners: Rama CALAGA; Robert Rimmer

time	[id] title	presenter
09:00	[22] ANL Wakefield Accelerator Facility Update	Dr GAI, Wei
09:30	[23] Accelerator Activities at Tsinghua University	Prof. HUANG, Wenhui
10:00	[24] Experimental Studies for ILC and CLIC Crab Cavity System	Dr AMBATTU, Praveen

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

-Conveners: Jean DELAYEN; Wei GAI

time	[id] title	presenter
14:00	[29] SPX Cavities and Cryomodule Development	Dr RIMMER, Robert
14:30	[27] Wakefield/Impedance Considerations for APS and LHC Crab Cavities	Mr WANG, Haipeng
15:00	[30] Closing Remarks	Dr NASSIRI, Ali LI, Derun Dr CHEN, Huaibi Dr HE, Yuan