

# Progress report for POSIPOL 2011

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IHEP

2011.6.23

# Meeting Room (IHEP Main Building, C305)



# Program

## POSIPOL 2011 Program

August 28-30, 2011, IHEP, Beijing, China

Meeting Place: IHEP Main Building, Room C305

<http://posipol2011.ihep.ac.cn>

Morning, Aug. 28, 2011

Session Chairman :

<b>Time</b>	<b>Presentation</b>	<b>Speaker</b>
9:00-9:10	Welcome and introduction	
9:10-9:40	Physics applications of polarized positrons	Sabine
9:40-10:10	TeV physics with polarized linear collider	H.J. He
10:10-10:40	Various high intensity positron sources (include conventional)	TBD
10:40-11:00	<b>Group Photo and Coffee break</b>	
11:00-11:30	Physics applications of high quality X-rays and gamma-rays	TBD
11:30-12:00	A general talk giving the ILC e+ status	W. Gai
12:00-12:30	A general talk giving the CLIC e+ status	L. Rinolfi
12:30	<b>Lunch</b>	

Afternoon, Aug. 28, 2011

Session Chairman :

<b>Time</b>	<b>Presentation</b>	<b>Speaker</b>
14:00-14:30	High degree polarized positron generation from undulator radiation	TBD
14:30-15:00	Polarized electron sources	J. Sheppard
15:00-15:30	Compton e+ source overview (Ring+ERL+Linac(*))	Urakawa
15:30-16:00	Truly Conventional e+ source for ILC	Tsunehiko OMORI
16:00-16:20	<b>Coffee Break</b>	
16:20-16:50	Polarized positrons for the ILC - Update on simulations	Andriy Ushakov
16:50-17:20	Spin tracking at the ILC positron source	Valentin Kovalenko
18:00	<b>Dinner</b>	

Morning, Aug. 29, 2011

Session Chairman :

<b>Time</b>	<b>Presentation</b>	<b>Speaker</b>
09:00-09:20	Development of the 4-Mirror Compton cavity	Tomoya AKAGI
09:20-09:40	Multi-bunch gamma-ray generation by Compton cavity	Tohru TAKAHASHI
09:40-10:00	High energy gamma production: analysis of LAL 4 mirrors cavity data	I. Chaikovska
10:00-10:20	High flux polarized positron production: status of the LAL 4 mirrors cavity at the ATF	N. Delerue
10:20-10:40	Design and prototyping of the ILC baseline target system	Jeff Gronberg
10:40-11:00	<b>Coffee break</b>	
11:00-11:20	Polarized positron production in amorphous targets	Vladimir Strakhovenko
11:20-11:40	Compton ring with laser radiative cooling	Eugene BULYAK, Webex
11:40-12:00	Positron generation target issues	O. Dadoun
12:00-12:20	On granular targets for positron source	Peter Sievers
12:30	<b>Lunch</b>	

# City Visiting Program on August 29 afternoon

Afternoon, Aug. 29, 2011

<b>Time</b>	<b>Social activities</b>
14:00-17:00	Visit Beijing Capital Museum (with guide)
18:00	<b>Banquet</b>



Morning, Aug. 30, 2011

Session Chairman :

<b>Time</b>	<b>Presentation</b>	<b>Speaker</b>
09:00-09:30	Conversion targets for Compton gamma sources	Eugene BULYAK, Webex
09:30-10:00	Hydrodynamical models of shock waves in target material	Olufemi Adeyami
10:00-10:30	Heat load and stress studies for target and collimator materials	Friedrich Staufenbiel
10:30-10:50	<b>Coffee break</b>	
10:50-11:20	The positron capture section	Freddy Poirier, Webex
11:20-11:50	Polarized beam transport, control and acceleration	
12:00	<b>Lunch</b>	

Afternoon, Aug. 30, 2011

Session Chairman :

<b>Time</b>	<b>Presentation</b>	<b>Speaker</b>
14:00-14:30	Polarimetry at the e <sup>+</sup> source	Peter Schuler
14:30-15:00	For other future colliders (SuperB for example)	Kamitani
15:00-15:30	The hard x-ray source based on inverse compton scattering	W.H. Huang
15:30-16:00	<b>Coffee break</b>	
16:00-17:00	Workshop summary	

# Registered people name list

1) First Name: Nicolas  
Last Name: Deleue  
Affiliation: LAL, CNRS

2) First Name: Friedrich  
Last Name: Staufenbiel  
Affiliation: DESY / Zeuthen

3) First Name: Iryna  
Last Name: Chaikovska  
Affiliation: LAL, University Paris Sud 11

4) First Name: Jan-Peter  
Last Name: Sievers  
Affiliation: CERN

5) First Name: Sabine  
Last Name: Riemann  
Affiliation: DESY

6) First Name: Jeffrey  
Last Name: Gronberg  
Affiliation: Lawrence Livermore National  
Laboratory

7) First Name: Peter  
Last Name: Schuler  
Affiliation: DESY

# Webex meeting during POSIPOL 2011 will be needed

August 29

11:20-11:40	Compton ring with laser radiative cooling	Eugene BULYAK, Webex
09:00-09:30	Conversion targets for Compton gamma sources	Eugene BULYAK, Webex

August 30

10:50-11:20	The positron capture section	Freddy Poirier, Webex
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Lunch will be provided at IHEP  
Guest House Restaurant