

## IWLC2010 workshop - Sources working group

Conveners: J. Clarke, T. Omori, L. Rinolfi

### Wednesday 20 October 2010

#### Session 1: General overview:

- 08h30: Conveners: Welcome to Sources working group
- 09h00: J. Clarke: ILC  $e^-$  and  $e^+$  sources overview
- 09h30: L. Rinolfi: CLIC  $e^-$  and  $e^+$  sources overview
- 10h00: J. Clarke: ILC/CLIC  $e^+$  generation working group
- 10h30: Coffee
- 11h00: S. Riemann: Which type of polarimetry, at which energies for LC ?
- 11h30: A. Latina: Review of spin rotators for LC
- 12h00: T. Takahashi: Status of hybrid targets R&D
- 12h30 :Lunch

#### Session 2: Experimental results at KEK:

- 14h00: T. Kamitani: Flux concentrator for SuperKEKB ([Webex](#))
- 14h30: F. Zomer: French 4-mirrors cavity results ([Webex](#))
- 15h00: T. Omori: Japanese optical results
- 15h30: Coffee
- 16h00: T. Omori: Liquid lead target tests

#### Session 3: Polarized electron sources:

- 16h30: J. Sheppard: Review of polarized electron sources for LC
- 17h00: M. Petrarca: Where we are with lasers performance for polarized e- sources ?
- 17h30: M. Poelker: CBAF experience with high voltage gun ([Webex](#))

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**Thursday 21 October 2010**

**Session 4: General reviews for positron sources:**

- 08h00: T. Takahashi: Update on conventional source study for LC
- 08h30: O. Dadoun: Review of simulations for  $e^+$  targets in LC
- 09h00: C. Xu: Review of Optical Matching Device for  $e^+$  beams
- 09h30: F. Poirier: RF manipulations after the AMD for CLIC
- 10h00: A. Vivoli: Review of  $e^+$  transport from capture to Pre Damping Rings
- 10h30: Coffee
- 11h00: M. Kuriki: Review of the risks for  $e^+$  sources ([Webex](#))

**Session 5: Polarized positron sources:**

- 11h30: I. Bailey: Overview for Undulators based  $e^+$  sources for LC
- 12h00: T. Omori: Overview for ring/ERL based  $e^+$  sources for LC
- 12h30: Lunch
- 13h30: V. Yakimenko: Overview for Compton linacs based  $e^+$  sources for LC
- 14h00: J. Urakawa: Where we are with lasers performance for polarized  $e^+$  sources ?
- 14h30: I. Chaikovska: CLIC ERL based  $e^+$  source
- 15h00: F. Zimmermann: Issues for  $e^+$  stacking in the rings
- 15h30: Coffee
- 16h00: E. Bulyak: Compton ring and stacking ring for LC ([Webex](#))
- 16h30: W. Gai: Polarization versus  $e^+$  yield
- 17h00: T. Piggott: Rotating targets and flux concentrator
- 17h30: Conveners: Discussions and Summary for the Sources working group