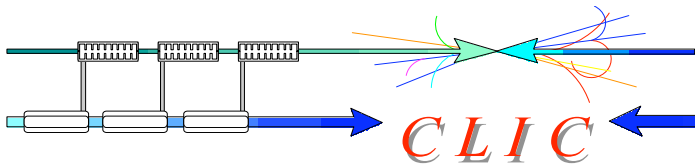


# ILC/CLIC $e^+$ studies

J. Clarke, L. Rinolfi

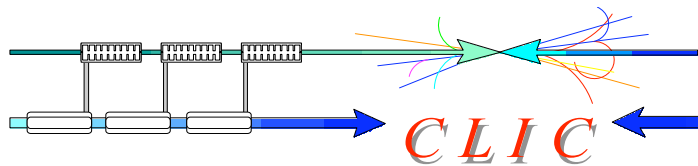
**First Webex meeting 5<sup>th</sup> February 2009**



## A new ILC/CLIC working group called "e<sup>+</sup> generation"

has been officially set-up at University of Illinois Chicago - UIC  
during ILC08 workshop: 15<sup>th</sup> - 20<sup>th</sup> November 2008

[http://clic-study.web.cern.ch/CLIC-Study/CLIC\\_ILC\\_Collab\\_Mtg/ILC\\_CLIC\\_e+\\_working\\_group.pdf](http://clic-study.web.cern.ch/CLIC-Study/CLIC_ILC_Collab_Mtg/ILC_CLIC_e+_working_group.pdf)



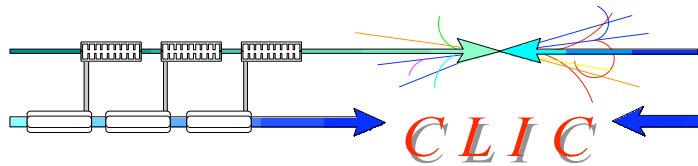
## Mandate of the working group



The ILC study considers the Undulator option as the base line while the Compton schemes are alternative options. The CLIC study considers the Compton schemes as the base line while the Undulator is an alternative option. Additionally, both projects are interested in the development of conventional sources (ILC as an auxiliary source and CLIC as an alternative baseline).

The working group should:

- Develop the synergy between the ILC and CLIC  $e^+$  studies.
- Evaluate the common technical issues related to both options for the production of polarized positrons.
- Prioritize R&D.
- Review the existing technical and tests facilities where further tests could be performed.
- Evaluate where cost savings could be obtained.
- Promote common meetings and workshops.

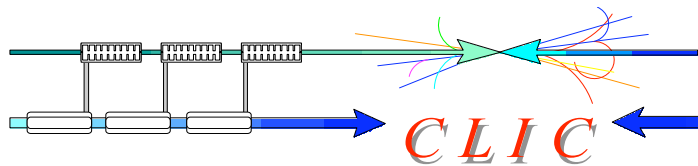


## Tests facilities known today



Alphabetic order:

- BINP: Li lens, liquid Li and Pb targets
- CERN: NA63 experiment
- CsrTA: Li lens for positron beam
- Cockcroft Institute (Daresbury): Positron target tests
- KEK: ATF and KEKB  $e^+$  source
- LAL: Optical cavity
- .....



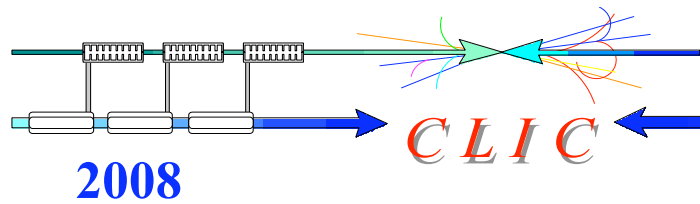
## Institutes



List of institutes involved in Positron sources and studies known today:

ANL	BINP	BNL			
CERN		CI	Cornell		
DESY		Durham	Hiroshima U	IPNL	
KEK	LAL	LLNL	LNF		NSC-
KIPT	STFC	....			

**This list is not exhaustive and needs to be completed.**



## Communication



- ILC  $e^+$  workshop 29<sup>th</sup> -31<sup>st</sup> October 2008 at Daresbury
- LCWS08 & ILC 08 workshop 15<sup>th</sup> -20<sup>th</sup> November 2008 at Chicago

### 2009

- GDE meeting 17<sup>th</sup> -21<sup>st</sup> April 2009 at KEK
- POSIPOL workshop 22<sup>nd</sup> - 25<sup>th</sup> June 2009 in Lyon
- CLIC workshop 12<sup>th</sup> -16<sup>th</sup> October 2009 at CERN
  
- A common ILC-CLIC mailing list is now established
- Regular Webex meetings (First Thursday of the month)