

CLIC workshop 2008



Injectors and Damping rings

Working group

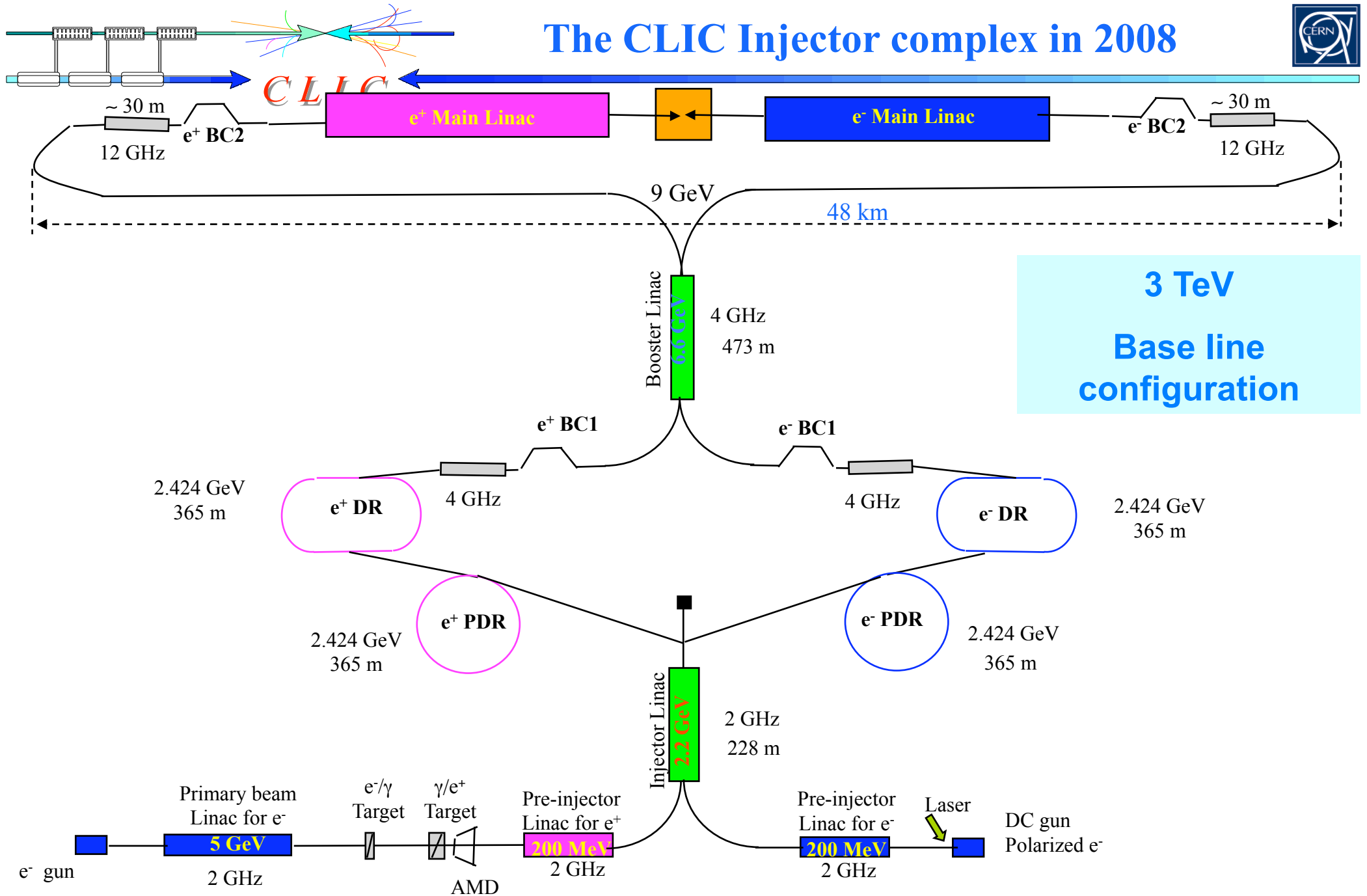
S. Guiducci (INFN), L. Rinolfi (CERN)

<http://cern.ch/CLIC08>

14 - 17 October 2008

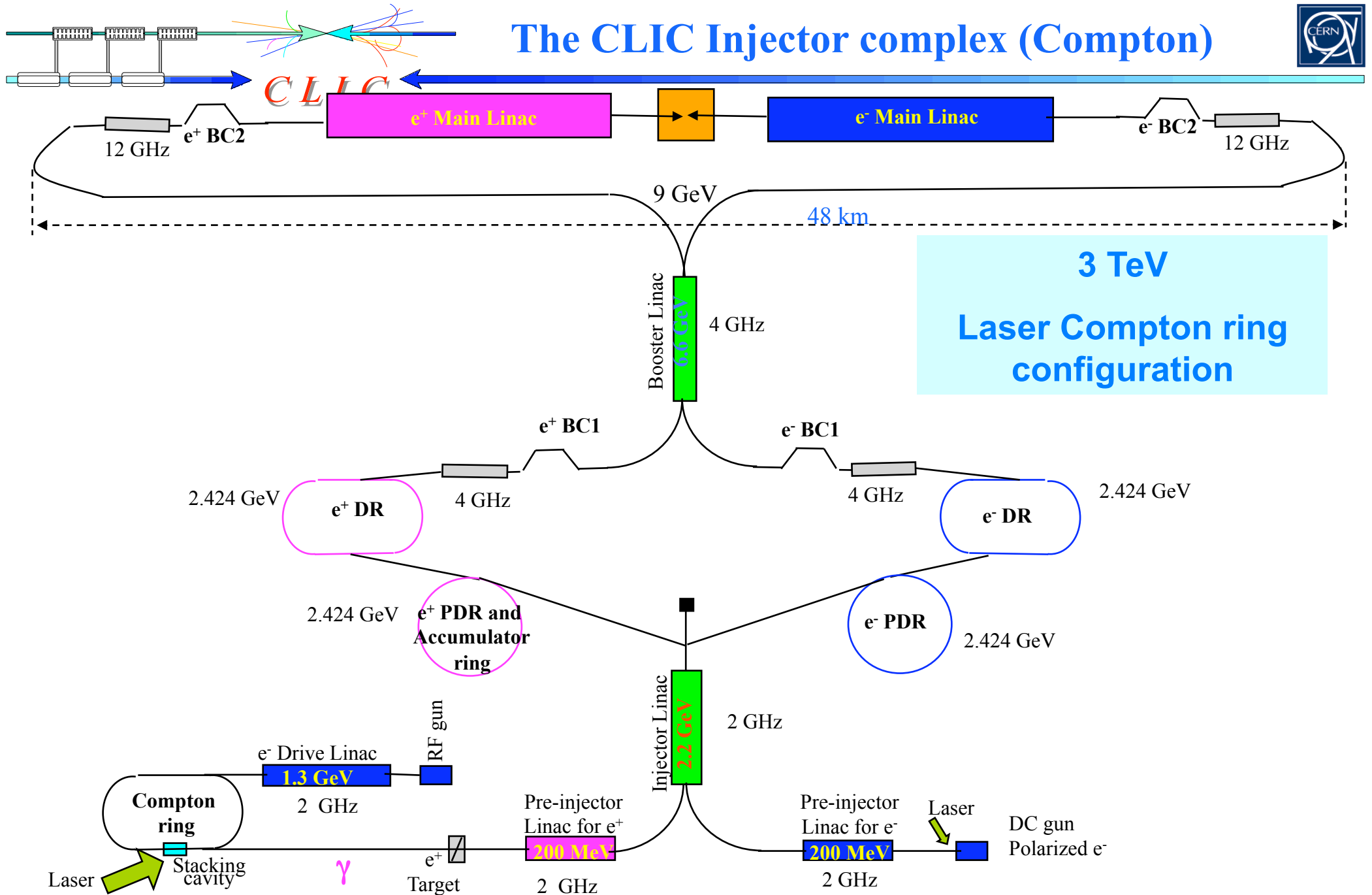


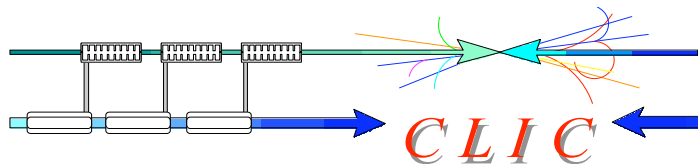
The CLIC Injector complex in 2008





The CLIC Injector complex (Compton)

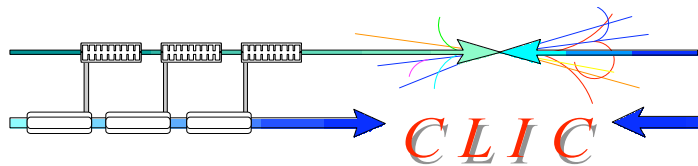




Draft Agenda - First day



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|---------------------------------|---|---|
| Wednesday 15 October | | |
| 8h30 -9h10 | CLIC Injector complex review (30') + Discussion | L. Rinolfi / CERN |
| 9h10 - 9h40 | Overview of DR to ML transport (20') + Discussion | F. Stulle / CERN |
| 9h40 -10h10 | Beam dynamics in the Linacs (20') + Discussion | A. Latina / FNAL |
| 10h10 - 10h30 | Coffee break | |
| 10h30 -11h | Collective effects in the Transfer Lines and Damping rings (20') + Discussion | G. Rumolo / CERN |
| 11h -11h30 | An hybrid positron sources for CLIC (20') + Discussion | R. Chehab / IPNL |
| 11h30 -12h00 | ILC / CLIC Common issues for Compton (20') + Discussion | J. Urakawa / KEK |
| 12h00 - 12h30 | Optical cavity and laser system for the Compton (20') + Discussion | A. Variola / LAL |
| 12h30 - 14h00 | Lunch break | |
| 14h00 - 14h30 | Undulator scheme for CLIC (20') + Discussion | W. Gai / ANL |
| 14h30 - 15h00 | Undulator option for polarized e^+ (20') + Discussion | I. Bailey / L. Zang / Cockcroft Institute |
| 15h00 - 15h30 | Surface treatment for e^- cloud mitigation (20') + Discussion | M. Taborelli / CERN |
| 15h30 - 15h50 | Coffee break | |
| 15h50 - 16h30 | CLIC damping rings overview (30') + Discussion | Y. Papaphilippou / CERN |
| 16h30 - 17h00 | Nb3Sn wiggler design progress (20') + Discussion | R. Maccaferri / CERN |
| 17h00 - 17h30 | NbTi wiggler design progress (20') + Discussion | P. Vobly / BINP |
| 17h30 - 18h00 | General discussion | |



Draft Agenda - Second day



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| Thursday 16 October | | |
| 8h30 - 9h00 | Linear and non-linear correction using turn-by-turn BPM data (20') + Discussion | R. Tomas / CERN |
| 9h00 - 9h30 | High precision emittance measurements in the SLS (20') + Discussion | A. Andersson / PSI |
| 9h30 - 10h00 | Damping Ring BPM developments (20') + Discussion | M. Wendt / FNAL |
| 10h00 - 10h30 | Coffee break | |
| 10h30 - 11h | ILC/CLIC common issues for DR (20') + Discussion | S. Guiducci / LNF |
| 11h - 11h30 | IBS studies for the CLIC Damping Rings (20') + Discussion | M. Martini / CERN |
| 11h30 - 12h00 | Analytical considerations for minimum emittance lattices - Application to the CLIC pre-damping rings (20') + Discussion | F. Antoniou / CERN |
| 12h00 - 12h30 | Stacking issues in the PDR for polarized e^+ (20') + Discussion | F. Zimmermann / CERN |
| 12h30 - 14h00 | Lunch break | |
| 14h - 14h30 | CLIC DR lattice optimized for low emittance and high SR power evacuation (20') + Discussion | K. Zolotarev / BINP |
| 14h30 - 15h | Optimized lattice for SuperB machine (20') + Discussion | P. Raimondi / INFN |
| 15h00 - 15h30 | RF considerations for the CLIC damping rings (20') + Discussion | A. Grudiev / CERN |
| 15h30 - 16h | Coffee break | |
| 16h - 16h30 | Impedance model of ILC DR (20') + Discussion | M. Korostelev / CI |
| 16h30 - 17h | 3D simulations in wigglers (20') + Discussion | R. Rossmannith / ANKA |
| 17h - 17h30 | Radiation wake fields (20') + Discussion | R. Tucker / Lancaster |
| 17h30 - 18h | Summary of working group | S. Guiducci / LNF L. Rinolfi / CERN |