

(Zobsolete) Accelerator Modelling

[This page is obsolete. Other references should now be sought. Links from this page MAY still be current.](#)

This page WAS for the Accelerator modelling in the SLAC Accelerator system.

At present, for the first 2007 run of LCLS, the modelling system used for online LCLS accelerator applications, will be the [the existing online SLC modelling system](#) . During 2007 the plan of the accelerator Applications Software team is to develop a new online modelling system, probably using XAL as the underlying tracking system, and a combination of XAL, Eclipse, and other software at the higher levels. Additionally, we are undertaking a major effort to create an offline, batch-oriented, [multiple-particle simulation system](#), to model the whole machine in detail.

[SLC/PEP-II Online Modelling main pages](#)

[SLC Online Modelling](#) in this wiki

[LCLS End-to-End Simulation](#)

Administration

XAL To Do List [XAL todo.doc](#) (updated 27th Nov 2007)

References

[LCLS Symbols database schema](#)

[LCLS Symbols database access through Apex](#)

[LCLS requirements for SLC Modelling environment \(meeting minutes\)](#)

[LCLS linac Homepage](#)

[LCLS beamline optics](#)

[SLC Subsystems Functional Descriptions](#)

[Literature and References](#) of LCLS Physics Applications Software

[XAL Homepage at SNS](#)