Hall A 12 GeV software – weaknesses

- Analyzer
  - Possibly problematic (“must”/”should” fix)
    - No support for pipelined front-end electronics yet
    - Not (yet) parallelized -> fails to take full advantage of modern hardware
    - Writing DSTs (ROOT files) is slow -> ROOT limitation?
  - Imperfect stuff we could live with (“like” to fix)
    - Database system too heterogeneous, needs some rewrite
    - Code needs to be split into “core” and hall-specific libraries
    - Documentation rather thin
- Major installation experiments (SBS, [Møller, SoLID])
  - Each represents a major software project
  - Limited options for sharing due to very different designs
- Simulations
  - lack of common framework
- Management
  - Manpower shortage
  - Coordination with major installation experiments

Hall A 12 GeV software - management

Task	Lead	Collaborating
Software Coordinator	O. Hansen	M. Jones
C++ Analyzer Development	O. Hansen	G. Niculescu, S. Wood
Online analysis, calibrations	(A. Camsonne?)	
Offline analysis	O. Hansen	
Simulations	(S. Riordan?)	
SBS Software Development	(?)	