







### Who Has to Create the CBF Header Information?

#### Ideally: Site Scientific Staff

- \* Needed: REALLY well documented tools for creating, modifying, and verifying CBF headers. Release 0.7.7 is a big step forward.
- \* Needed: Real examples encompassing "standard" beam line configurations. I need to do two or three of these. Practically: Detector Vendors
- \* Needed: Same two items as above. We should be able to take examples of similar beam line configurations and quickly come up with proper headers.
- \* Note: The more "standard" examples which can be shown, the



\* Error reporting is much improved; I think the current "local\_exit" scheme will actually work best with cbf\_simple.

### Programming Issues

# Beam Center:

- \* It is easy to get this wrong, and difficult to decide when it it right, or so it seems.
- \* Conversion examples in CBFlib depend on input beam centers which themselves are subject to "interpretation".
- \* Verification of beam center via data processing depends on processing program's interpretation; "double errors" can lead one into a false sense that your CBF beam center is right.
- \* What is the status of additional data processing programs taking CBF files as input?

## Verification

# CBF Distribution should always contain:

\* Verification programs for CBF file integrity.

\* Comparison with standard dictionary entries. We don't want to preclude additions to headers which are useful, but there should be an automated way to highlight the non-standard ones found in CBFs being produced. This is an excellent way to discover which dictionary items are being reproduced in a different way (for example, two definitions of "distance").