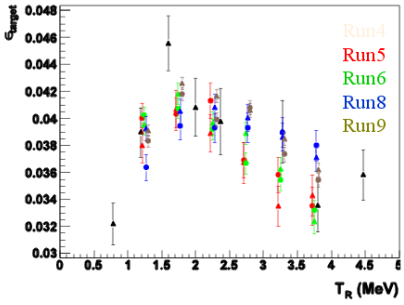
Plans for HJET
offline framework

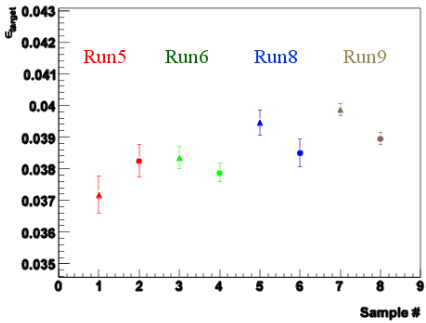
Alan Dion

2010-10-14

Organize Code

- replace loose collection of macros with a compiled package
- Simple code: one objective $\leftrightarrow$ one class
- Track code changes with Subversion
  - Share code with the very similar pC analysis
- Since analysis is simple, have a gui with cross-check plots for offline and fast-offline
- Use automake build system
- Move analysis to RACF. We can all see the data, and take advantage of the cpu farm.
- Document the analysis on a wiki!





Understand Systematics

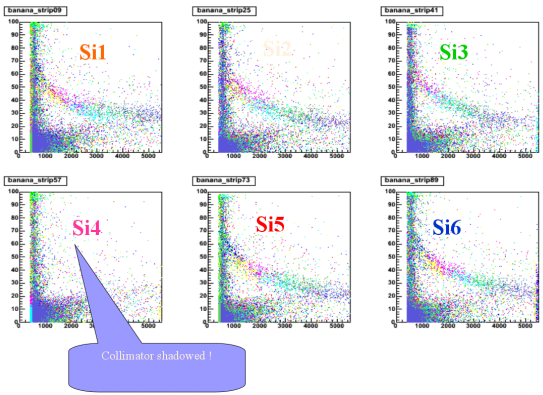
There are systematic differences in the raw asymmetries between runs and beams

It will be good for one person and one package to analyze all runs to try to understand the systematics.

No more "by eye" checks

The fast offline analysis should define QA metrics that point users (us) to potential problems. "By eye" is too ambiguous and easy to miss.

But it can be tricky to define the metrics. For instance, how to decide if there was an acceptance problem due to the collimators (see below)? From an out of range fit?



Of course I am open to help/suggestions from everybody.
Thanks for welcoming me to the group!