I&T SVAC Calibration Constants
Monitoring Tool
a prototype
Requirements

• I&T need a tool to do the trending analyses of calibration constants for the instrument
  – Web based application, easy access for everybody
  – Calibration constants must be stored in a format quick for retrieval
  – Capability to query the calibration constants through the web
  – Capability to produce plots on the web dynamically
Software infrastructure

• Java servlet to build web based application
  – A mature technique and widely used for such purpose
  – Meet security requirement by the SCS group

• JAS to produce plots dynamically on the web
  – Written in java, easy to integrate with java servlet
  – Easy to get support from the creator
  – Has been used in other experiments such as BaBar

• Oracle database to store the calibration constants
  – A mature and widely used technique
  – Maintained by the SCS group
How does it work?

1. Ask for plots
2. Query database
3. Provide constants
4. Produce plots on the web

Oracle database

Java Servlet running on TOMCAT server
A demonstration ....