

Beam Position & L3 Tools

L3 Algorithms Meeting

January 29, 2003

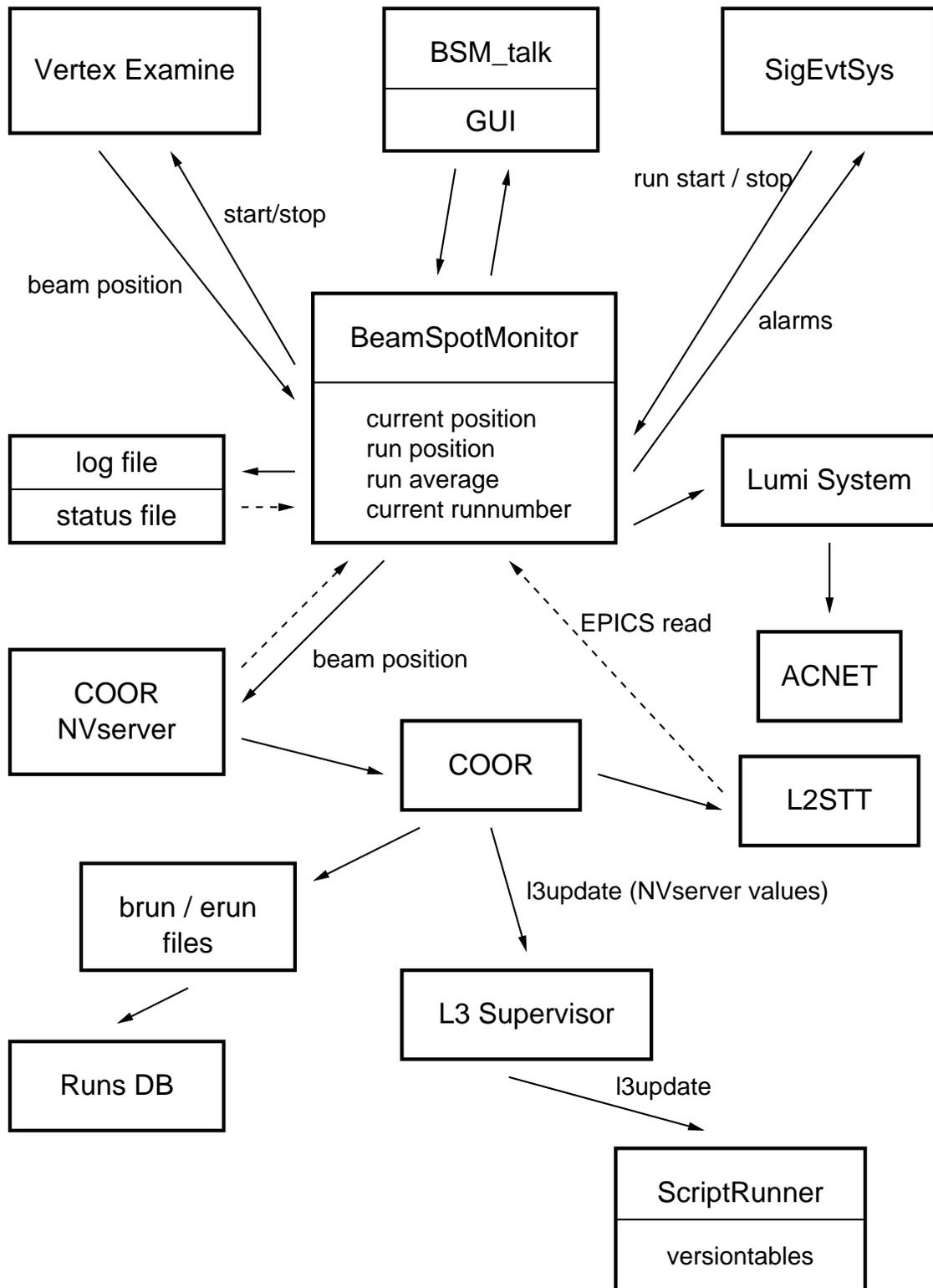
Michiel Sanders

University of Manchester

Real Time Beam Position

- Knowledge of current beam position is
 - * Essential for impact parameter filter (if no primary vertex available)
 - * Useful for primary vertex tool as a seed
 - Real time beam position is available from Vertex Examine
 - Need a mechanism to get it to ScriptRunner at the start of each global physics run
 - Need a tool to monitor the beam position during a run
- ⇒ BeamSpotMonitor

Beam Spot Monitor



Technical Details / Current Status

- BeamSpotMonitor and helpers are being written
- Coor Name/Value Service is available
- Coor command l3update is available:

```
<l3update name="l3beamposition">  
  <l3parm name="x" value="$l3_beam_pos.x"/>  
  <l3parm name="y" value="$l3_beam_pos.y"/>  
</l3update>
```

- L3 Supervisor almost ready to process l3update command
 - ScriptRunner almost ready to process l3update command; storage tool is in place (L3VersionTable)
 - L3 tools almost ready
- ⇒ Need to decide on naming convention for p15 !