

# HEPiX Linux issues

- Red Hat presentation:
  - Same offer to all HEP sites (cheap per-node \$\$, volume discount)
  - But: business model is (relatively) fixed, DIY if it doesn't fit.
- Fermi presentation: join forces on Scientific Linux (SL), their recompiled and de-Fermiized version of RHE3
- SLAC: happy with Red Hat Enterprise, but using a customized distribution and with high-level support only (via “TAM”).
- Other institutes: please standardize!
  - De facto, we do (CEL3 == Fermi Linux == RHE3 (as used by SLAC/BaBar))
- Discussions (CERN, Fermi, IN2P3, UnivManchester, TRIUMF,..)



# Proposal by CERN and



(after some prodding by A.Silverman)

## Fermi:

- “Promise” for SL to stay binary compatible with Red Hat Enterprise and “sites” (on “core” package set, to be defined)
- Experiments & Projects to acknowledge this binary compatibility of SL & RHE

= Certify once, run anywhere.

A HEP-wide Linux distribution at last, in free&unsupported or commercial flavours

- Positive echo so far..

# CEL3 and SL

- Corollary:
  - CERN will re-base the CEL3 distribution off SL to become a “site” (w.i.p)
    - Essentially substituting CERN-recompiled RPMs with Fermi-recompiled RPMs – binary compatibility allows this..
    - No (or little) changes to the package set foreseen
    - No (or very little) impact on the ongoing certification
    - Intense collaboration with Fermi Linux team
- Still will test Red Hat support via a “TAM” for CERN
  - Acknowledged: production runs CEL3
  - Reproduce trouble on “real” RHE3
  - Preparing for 2005 “Make or Buy” decision