Preservation Models

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at the

2nd DPLTA workshop

Different Data Format: Different Levels of Analysis

- The possible uses of the preserved data will depend on the level (complexity) of the data format preserved

  - From RAW to DST to four-vectors: different levels of analysis will be possible

  - Not neccessarily the same for all experiments

- Perhaps we should define what can be expected from each of the levels

Preservation Models Charter

- ee,ep,pp input

  - Identify common elements

  - Explore how simple a common data format can be while still retaining the ability to do high quality physics

  - Develop common data format(s)

  - Explore means of facilitating and improving joint analyses

Preservation Models Charter

- Priorities
  - Evaluate potential impact on ongoing analysis effort
- Costs
  - What costs are expected if implemented
- Benefits
  - Evaluate short and long-term benefits

Preservation Models Charter

- link to technologies

  - How will the preservation models benefit from advancements in technology

  - What known faults of technology must the preservation models be protected against

  - Make suggestions for hardware and software technologies that should be persued

General Summary from the 1st DPLTA Workshop

- A Common Data Format/Common Data Definition
  - define for ee, ep and pp experiments and do a test case
- Profitting from advancements in the ROOT project
  - preserving knowledge of the structure of the data
  - PROOF
- Guidance in the early stages of experiments
  - documentation
  - keeping data format simple
- Storage media recommendations
  - what seems obvious (disk) may not be the best

Continued ...

- More and Improved Documentation
    - inforce correct documentation
    - verify that its sufficient

- Techniques like Virtualization that will allow us to preserve simulation and other essential tools needed for doing analyses + define input/output format for simulation

- A guide on review and approval of papers after the end of the collaboration

- Policy on forgotten data

Hopes for this Workshop

- A well-defined set of goals

- A well-defined schedule for completion and meetings

- Author's identified

- Much work accomplished at the workshop