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Thursday Discussi

Data Access and Usage

The rationale for wider access:

- **Capitalize on investment in experiments through fullest physics output** (better in large expts than old fixed purpose). **But even in large collaborations there are many physics results that do not get done.**

- Improve recognition for (young) individuals (related to authorship discussion). Give access to those not in a big collaboration to try new ideas.

- **Multi-authored, alphabetic lists a problem in many institutions.** Effective # = (# papers)/authors ??

- Collaborations becoming increasingly diffuse, so distinction between outside and inside less strong. 4000 of field's 8000 experimenters on ATLAS/CMS?? But in limit that everyone on 1 expt, no problem!

- Large author lists in some other fields, but many have chosen different solutions. It leads to `image' problem in HEP?

- **Outreach activities**

Any suggestions?

- Period for sole use of data by collaboration ?

- A proposal process? Outside user to propose to collaboration, Prog. Advis. Committee? Agreement to give access through MOU detailing rights and responsibilities. Possible to require funds from requester to supply expertise needed?

- Limit analyses -- DST level data, available tools, documentation.

- Attach outside physicists to collaboration for specific purpose of proposed analysis? Use standard collaboration rules for disseminating results? Some degree of joint authorship with internal experts?

- ★ There could be gain for field and improved possibilities for individual recognition
- ★ Problems seem formidable
- ★ Useful to explore; not ready for prime time

The problems

- Enormous effort to build detectors -- many years for many people. **Those who put in this effort want/need to reap the harvest of their work.**
  Young physicists views on these issues often differ from older people! Less willingness to embrace `primary' authors, limited authorship, use of data by those outside a collaboration.
- **Allowing access to outside for specific analyses** damages the ability of collaboration to get young people to invest the hard work -- and tends to undermine the collaborative spirit needed.
- Use of data by outsider requires extensive help from within the collaboration: Monte Carlo in various versions, `data fix' routines, use of large databases, jargon parser, documentation ... lots of expert consultation likely needed. Effort from collaboration would be large, needs incentive
- Collaboration could feel need to retain some responsibility for correctness of analysis; protect against misinterpretation of raw data -- internal reviewing likely needed.
- **Sensitivity to access by those in other collaborations for high profile analyses.**