

Software Workshop wrap-up

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What we want to achieve

Flexibility

- Encompass needs for different detectors, experiments, accelerators, etc.
- Reuse existing codes
- Maximise the use of the available manpower

Performance

- Fast I/O
- Efficient memory usage
- Use of new technologies (parallel processing, GPUs, etc.)

Simplicity and usability

- For developers
- For users

Action items and timeline

 EDM4HEP

 DD4HEP

 KEY4HEP

Future software implementations

 What?

 Who?

 When?

How do we get there...

Collaborative development

- How do we organise the work in the most efficient way possible?
- Is the light structure with facilitators good enough?
 - ☀ How do we share the work?
 - ☀ Share the development of the various modules or factorise out different modules to different groups (distribute geographically?)

Meetings

- Are separate EDM4HEP and KEY4HEP meetings the best way to go?
- Should more general meetings be organised regularly?
- Organise software workshops every 6 months, possibly with a geographical rotation?

 When?

 Where?

 What should we aim for by then?