

Summary of Software Development

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Original **Working Group** handed over last Autumn (Graeme Stewart and Ben Morgan)

- ▶ slight broadening of scope: Packaging, Deployment, Development Environment
- ▶ **Use Cases document v1.0**: largest set of common needs
- ▶ Defined simple test stack of common HEP software start evaluating options

➔ Aim for preliminary conclusions for CHEP

Very lively discussion

- ▶ dependency determination/modeling
- ▶ incremental build between/inside packages
- ▶ container/classic deployment

➔ High interest in the subject across experiments



- ▶ many tools available but usage not trivial
- ▶ lots of work/knowledge scattered across collaborations

➔ Clear areas to collaborate

Profilers

1. Create a consistent documentation & training
2. Abstract data format for all tools.
3. Tools to compare different profiling runs
4. Regression monitoring suite

Static Analyzers

1. Create a consistent documentation & training
2. Consolidate existing tools
3. Improve upstream tools (clang-tidy)
4. Regression monitoring suite

➔ Create Common HSF Working Group



What can HSF provide to new projects

- ▶ We have [Project Guidelines](#) and a [Project Template](#)
- ▶ How do we help projects get started? How do we stop projects?
- ▶ Apache Incubation Model?
- ▶ Easy way to publish on CVMFS?

How can we foster participation on FOSS conferences?

- ▶ e.g. IEEE BigData, PyData, SciPy
- ▶ make them aware of us, be aware of them
- ▶ build relations and contacts!

➡ discussion started

➡ lead back to recognition by funding agencies / universities

Thank you
for your attention

