

# **HEP Software Foundation Workshop**

Tuesday 20 January 2015 - Thursday 22 January 2015

SLAC

## **Book of Abstracts**



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## **A view from Geant4 developers**

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## **A view from ROOT**

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## **ALICE**

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## **ATLAS**

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## **Astroparticle physics**

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## **Building scientific software communities**

**National, agency and Institution Views / 49**

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## **Common software needs and opportunities for HPCs**

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## **Computing systems roadmap and its impact on software development**

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## **Gaudi common framework evolution**

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## **Geant4**

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## **Intensity frontier**

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## **Japan and KEK**

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## **LCG software stack management**

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## **LHCb**

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## **Lessons for successful common software projects**

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## **Lessons learned from FreeHEP**

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## **Linear collider**

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## **Needs and considerations for a consortium of particle accelerator modeling**

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## **OSG perspective on managing software stacks**

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## **Perspective on teaching software**

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## **Photon science**

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## **Photon science**

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## **Public repository with theoretical predictions for HEP community**

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## **PyROOT, cppyy, and the Python ecosphere**

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## **SLAC workflow engine and data catalog**

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## **The Apache Foundation**

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## **Theory, generators**

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## **Vac Project views on HSF**

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## **Welcome**

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**Status / 1**

## **What has been done so far**

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**Status / 3**

## **White Paper synthesis**

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## **Wrap-up**

Finalization of next day's program

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## **fads: a fast detector simulation toolkit**

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