



HSF Packaging Group: Introduction

Graeme Stewart and Ben Morgan

2019-02-27

Ongoing Projects: FCC

- Building LCG-like software stack with Spack
 - Not much recent progress (too many other things happening)
 - But we should get a CERN Summer Student that will help

Ongoing Projects: SuperNEMO

- SuperNEMO migrating to use Spack
 - Homebrew moving away from from-source builds, binaries work well on Linux, except until graphics (hence ROOT) come along
- “Alpha” version now complete on CentOS7 and macOS Mojave
 - Many thanks to all who helped via Mailing List and Spack’s Slack channel!
 - Native installs plus bundling into Docker/Singularity (~3.5GB)
- Work now on
 - Creating suitable configs for CentOS6/7, Ubuntu 16/18LTS, macOS Mojave
 - Learning and using buildcaches (later, “continuous delivery” + CVMFS?)
 - Learning and using environments/views (but “spack load -r snemo” works)
 - Debugging some library path issues on macOS

HOW2019 Workshop

- HSF/OSG/WLCG Workshop is this year in March
 - <https://indico.cern.ch/event/759388/>
- Graeme will present a summary of this group's work and future plans
 - If anyone has highlights they'd like mentioned, please contact Graeme
 - Slides will be circulated over next couple of weeks



Joint HSF, OSG & WLCG Meeting

HOW 2019

MARCH 18-22, 2019
Jefferson Lab • Newport News, Virginia, USA

SCIENTIFIC ORGANIZING COMMITTEE

Jan Bird, CERN	Michel Jouvin, LAL-CNRS
Simone Campana, CERN	David Lange, Princeton University
Tim Cartwright, University of Wisconsin-Madison	Graeme A. Stewart, CERN
Ian Collier, STFC	Frank Wuerthwein, UC San Diego

LOCAL ORGANIZATION PROVIDED BY JEFFERSON LAB

HSF **Open Science Grid** **WLCG** **Jefferson Lab** indico.cern.ch/e/how2019

Next Meeting and Communication

- **Next meeting provisionally 27th March**
 - As always, let Graeme and Ben know if there's anything you'd like to present
- Mailing list has been very responsive when questions are raised
 - Thanks! So don't be shy to use it
- We'll hear later about Spack's Slack channel for HEP

Today...

- LHCb use of Nix
 - Chris Burr
- Spack for HEP and @FNAL
 - Chris Green