IPCC ROOT
Princeton/Intel Parallel Computing Center

Progress Report

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Status 23.10.2018—03.12.2018

✤ Showcase presentation on 08.11.2018

    ✤ Went well, not a lot of turnout.

    ✤ You can find it <u>here</u>.

✤ Preparation for ROOT v6.16 C++ Modules Technology Preview

    ✤ Information can be found <u>here</u>.

Status 23.10.2018—03.12.2018

✤ Writing 2 CHEP papers:

   ✤ IPCC-ROOT and Intel in the acknowledgement sections of both.

Recap

✤ Sustainability of the products of this work will be provided by the ROOT team, and some elements will be picked up by the recently NSF-funded IRIS-HEP Software Institute (http://iris-hep.org)

✤ During the 2 year project we explored the full software-hardware stack of the modern machines. We demonstrated performance improvements in threading, vectorization, compiler switches, compiler technologies and high-level algorithms

✤ We would like to express our deepest gratitude to Intel and the IPCC program for giving us such an opportunity!

✤ We are looking forward to continue collaborating with Intel!

Thank you!