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Training on sustainable computing at DESY

Wednesday 7 May 2025 16:00 (25 minutes)

A few years ago, primarily young scientists of the DESY particle physics division founded a forum for sustainability to enhance awareness of the environmental impact of research and to propose measures to reduce the energy footprint. Since computing is a substantial consumer of resources in particle physics, the forum initiated a series of workshops on computing with the aim of training scientists in best practices for efficient computing and software. Roughly twice per year, there is a workshop for beginners and newcomers to DESY with an introduction to the local computing facilities and hands-on exercises employing tools like ROOT, Git, and HTCondor. About once per year, there is a workshop on a slightly more advanced topic, such as software testing and performance, or using and building containers. The workshops are organized by a team of scientists from the IT department and from the experimental groups. All exercises are constructed along examples that are typical for particle physics and employ, e.g., CMS Open Data.

Requested talk length

Presenter: WISSING, Christoph (Deutsches Elektronen-Synchrotron (DE))

Session Classification: HSF