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# Boosting HEP and Computer Sciences' knowledge transfer with ROOT

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One of the significant challenges in the development of the High Energy Physics (HEP) field is the fact that many potential -and valuable- students and young researchers live in countries where internet access and computational infrastructure are poor compared to institutions already participating in multinational experiments like those hosted at CERN. In order to accelerate the process, several projects and organisations release, produce and use Open Source tools and data to create university-level training in HEP and Computer Sciences among different institutions in South America. With the primary goal of having resources that are easy-to-deploy in different environments. ROOT and its different tools and application have been crucial for such projects. We look to present how ROOT is used as the engine of physics analysis, computational and visualisation apps for science, education and outreach projects worldwide. As a concrete example, we will share how a post-graduate project was successfully developed between Venezuela-Switzerland-Argentina thanks to ROOT and its developers.

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