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LHC: an Example of a Global Scientific Community

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With the advent of large scale scientific instruments, the need for global collaborations in science has arisen. High Energy Physics and LHC in particular has long experience in collaboration on this scale and can serve as a model for other communities which now have to face similar challenges. This talk will give an overview of the need for LHC and the collaborative efforts that have built the accelerator, the experiments and the computing. The computing has benefitted from the e-science infrastructures built in Europe and elsewhere while pushing those infrastructures to unprecedented levels of scale and performance. With the arrival of first data in the LHC experiments, the investments in the computing are paying off in being able to very rapidly analyse the data. The talk will discuss the role of High Energy Physics and CERN in the European and worldwide scientific landscape and how this might develop in the future.

Presenter: BERTOLUCCI, Sergio (CERN)

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