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The CEDAR Project

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We will describe the plans and objectives of the recently funded PPARC(UK) e-science project, the Combined E-Science Data Analysis Resource for High Energy Physics (CEDAR), which will combine the strengths of the well established and widely used HEPDATA library of HEP data and the innovative JETWEB Data/Monte Carlo comparison facility built on the HZTOOL package and which exploits developing grid technology. The current status and future plans of both of these individual sub-projects within the CEDAR framework are described showing how they will cohesively provide a) an extensive archive of Reaction Data, b) validation and tuning of Monte Carlo programmes against the Reaction Data sets, and c) a validated code repository for a wide range of HEP code such as parton distribution functions and other calculation codes used by particle physicists. Once established it is envisaged CEDAR will become an important GRID tool used by LHC experimentalists in their analyses and may well serve as a model in other branches of science which have need to compare data and complex simulations

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