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"INFN-Tier1 at CNAF: Status and future prospects"

Abstract: "In this talk we will present CNAF, the national center of INFN (Italian Institute for Nuclear Physics) "for the Research and Development in INFN Information and Communication Technologies". Being the central computing facility of INFN, CNAF is engaged with many initiatives at European and Worldwide level dealing with e-infrastructures and scientific computing. Since 2003, CNAF hosts the Italian Tier-1 for the high-energy physics experiments at the Large Hadron Collider in Geneva, providing the resources, support and services needed for all the activities of data storage and distribution, data processing and analysis. CNAF is also supporting many astroparticles and astrophysical experiments and to face the challenges of the most demanding, extreme scale next generation scientific experiments, CNAF is planning to expand its infrastructures. In the talk we will anticipate some of these plans."