

The current status and plan of cyberinfrastructure for high energy physics in Korea

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We report the current status and plan of cyber-infrastructure of high energy physics in Korea, which includes resources, Grid and e-Science and communities. The e-Science for High Energy Physics is to study High Energy Physics (HEP) any time and anywhere even if we are not on-site of accelerator laboratories. The contents are 1) data production, 2) data processing and 3) data publication any time and anywhere. The data production is to do remote control and take shifts remotely. The data processing is to run jobs anytime, anywhere using Grid farms. The data publication is to work together to publish papers using collaborative environment such as EVO (Enabling Virtual Organization) system. We apply this concept to the CDF experiment. We also present the community activities of FKPPPL (France-Korea Particle Physics Laboratory) which is the joint laboratory between France and Korea for Grid, ILC, ALICE and CDF experiments.

