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CMS Software Deployment on the Open Science Grid BOCKJOO KIM, RICHARD CAVANAUGH, University of Florida, USCMS-DCT COLLABORATION — The Grid can provide computing resources and storages with great flexibility. Because of this flexibility, the same software can be installed without publication and notification to the application user community. Therefore, the flexibility brings the issue of using computing resources efficiently. Within a collaboration, if this type of activity could be organized and managed in a consistent manner, once could efficiently use the computing resources on the Grid. This presentation shows how CMS softwares that are used by the CMS collaboration for physics analyses can be installed, maintained, and published on the Open Science Grid (OSG) in a managed way. The presentation also shows how the OSG infrastructure is utilized to achieve the CMS software installation and publication for the CMS users across the Grid. Finally, the presentation provides a possible use case of the CMS software deployment on the OSG.

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