

The Beams and Applications Seminar Series

Tevatron Collider Run II Progress

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FNAL

Bldg. 401, room 2100
Friday, October 29, 1:30 pm

Host: L. Teng, ASD

After a rough start-up of the Collider Run II, the Tevatron peak luminosity steadily progressed and reached the level of $1.07 \times 10^{32} \text{ cm}^{-2} \text{ s}^{-1}$ which exceeds the original Run IIa goal. Over 0.67 fb^{-1} have been delivered to each CDF and D0 experiments since March 2001. In parallel to the Collider operation, we have started a project of the luminosity upgrade which should lead to peak luminosities of about 2.7×10^{32} and total integrated luminosity of $4.1\text{-}8.2 \text{ fb}^{-1}$ through FY2009. In this talk the Tevatron Collider complex performance as well as essence of the upgrades will be presented.

For more information visit

<http://www.aps.anl.gov/asd/physics/seminar.html>

Visitors from off-site please contact Yuelin Li
(ylli@aps.anl.gov, 630-252-7863) to arrange for a gate pass.

This ANL seminar series is a CARA activity and focuses on the physics, technology and applications of particle and photon beams. It is sponsored jointly by the ASD Division, the AWA group of the HEP Division, and the ATLAS group of the PHY Division.