

CMS-G4 Plans

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Current production versions:

- Spring samples for October physics papers uses CMSSW12X (G471p2) + CMSSW13X(digi,reco)
- Computing, Software & Analysis 07 challenge (CSA07):
 CMSSW14X (G482p1) + CMSSW15X(digi,reco)

Versions under development:

- CMSSW160 (G482p1) due on August 10th (calib/alignm/visual components for CSA07, trigger, commissioning/integration tests).

From October through February 28th: CMSSW180-200

CMSSW200 will be the "day one" production release. We'd like to base it on G49X, for which we'll initiate migration studies during the CMSSW170 cycle.

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Requests:

- Visualization of Boolean volumes
- Related to our use of the GFlash interface to G4 (see separate talk)
- Integrators.

We are performing studies to determine how much time performance we can gain by using local magnetic field management. We are interested in the:

- Hybrid integrator (use different steppers depending on step size)
- Stepper that takes the derivative of the field to define how often to evaluate the field

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