

The image shows the interior of a large industrial facility, likely a particle accelerator or a large-scale manufacturing plant. The structure is composed of numerous yellow and green metal beams and scaffolding, creating a complex, multi-level framework. A bright light source is visible at the top center, illuminating the scene. In the foreground, there are various industrial elements: a white container on the left, a metal cart, and a person crouching on the floor near a red and white striped safety barrier. The floor is covered with a grid of metal tracks or conduits. The overall atmosphere is one of a busy, large-scale industrial environment.

Status of production of miscalibrated MC sample

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What do we want to do?

- Need a miscalibrated data sample for testing all calibration procedures.
- All detectors with 10% RMS miscalibration + some dead channels (SPD only dead channels!).
- Production following the “official” LHCb procedure, so miscalibration is applied at the Boole level.
 - Use LHCb Grid resources.
 - Correct miscalibration.
 - No reprocessing of already existing data.

Data sample

- MC09 configuration + SimCond tags for miscalibrated calorimeter.
 - Min Bias events.
- Two-phase production:
 - High-priority 20M sample with MDF (for FEST exercise).
 - Low-priority 180M sample without MDF.
- If necessary (high precision calibration), more can be produced.

Status and prospects

- Request for production approved by PPG and OPG.
- Miscalibrated SimCond tags committed to CVS.
- Miscalibration options ready, AppConfig released.
- Production request submitted and OK.
- High priority sample already in bookkeeping, but MDFs still merging.
- Low priority sample in progress (~2% done).