

CSG meeting, May. 7<sup>th</sup> 2012

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# **FullSim Production May 2012**

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# Outline

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- **May 2012 fullsim production**

- Production work-flow
- Production requests
- Production status

# May. 2012 FullSim production: work-flow

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- **Many developments since last production (Nov. 2011)**
  - Many presented at the last SuperB meeting at LNF, March 2012 (see Parallel IX – Computing: FullSim & Background)
  - Some other developments after that:
    - Neutron shield (polyethylene) for the IFR
    - New geometries with increased tungsten shield inside the final focus
    - Several bug fixes: geometry problems
- **Code was frozen and tested on April 20<sup>th</sup> 2012**
- **Code quality sign-off for production on April 27<sup>th</sup> 2012**
- **Production release V0.0.5 created on May 1<sup>st</sup> 2012**
- **Pre-production samples (10% of requests) ready for analysis on May 3<sup>rd</sup> 2012**

# May. 2012 FullSim production: Requests (I)

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- Rad-bhabha with different geometries (3): Geometry\_CIPE\_V00-00-02, Geometry\_CIPE\_V00-00-02\_Tungsten4.5cm and Geometry\_CIPE\_V00-00-02\_CSI\_Tungsten4.5cm
  - 10k events each
  - Execution time ~10 hours per geometry (1.5 days in total).
  - Total disk space ~3.5T
- Pairs (2-photon): Geometry\_CIPE\_V00-00-02\_Tungsten4.5cm
  - 100k events
  - Execution time: ~10 hours (1 day being pessimistic)
  - Total disk space: ~500G.
- Touschek HER/LER and BeamGas-HER: Geometry\_CIPE\_V00-00-02\_Tungsten4.5cm
  - 800k primaries
  - Execution time: ~10 hours (2 days being pessimistic)
  - Total disk space: ~4.1T.

# May. 2012 FullSim production: Requests (II)

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**There are also request for background frames for fastsim:**

- Rad-bhabha: Geometry\_C�PE\_V00-00-02\_ShorterFF5tms\_Tungsten4.5cm
  - 1M events
  - 3-4 days
  - Total disk space ~10G
- Pairs (2-photon): Geometry\_C�PE\_V00-00-02\_ShorterFF5tms\_Tungsten4.5cm
  - 100k events
  - Execution time: ~10 hours
  - Total disk space: ~10G.
- Touschek HER/LER and BeamGas-HER: Geometry\_C�PE\_V00-00-02\_ShorterFF5tms\_Tungsten4.5cm
  - 800k primaries
  - Execution time: 1 day
  - Total disk space: ~10G.

# May. 2012 FullSim production: Status

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## Status:

- Analysts are looking at the pre-production samples
  - Found a problem with the CSI, BGO and PWO options for the fwd-EMC  
⇒ bug has been fixed and committed to the BrnRunTime trunk
  - Most of the other analyst gave the sign-off and some are still investigating
  - Expect to finish in a couple of days
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- Next steps:
    - Do we need to produce a new fullsim release for production with the latest bug fixed from the pre-production phase?

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The word "Backup" is rendered in a 3D, blocky font with a green, pixelated texture. The letters are arranged in a slightly receding perspective from left to right. A thin horizontal line is positioned above the text.