

# *RadBhabha Background production, Dec '09: SVT inputs*



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# Geometry

- Current model is ok but still differences into radiation length
  - Gold foil and silicon thickness, it can be implemented if everyone agree on the same numbers
  - Silicon sensitive thickness (for pixel rate), values are not yet finalized because depend from technology (hybrid pixels or triplets)
  - Angular coverage, L0 ok, it needs a lot of work for other layers
- Model validation:
  - Overlap checks using G4
  - Visualization of geometry and tracks with heprep browser, behaviour is correct

# Bruno code

- Additional information are crucial for a correct rate estimation (tracks/pixel)
  - Changes in Bruno hits not yet committed and developed starting from Bruno r247
  - PreStep and PostStep, point + 3d momentum, step status flag (entering, leaving, fully included in the sensitive volume)