human_phantom Advanced Example

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Introduction

The human_phantom example models anthropomorphic phantoms for Geant4 simulations.

Two models are available: MIRD [1] (see Figure 1) and ORNL [2] (Male and Female for each approach).

MIRD Female model implemented in the example.


Note: Currently the ORNL phantom is under review.

Parameterized breast

As example of mix and match phantoms with analytical and voxelised geometries, it is possible to have a breast in the MIRD female model voxelised (see Figure 2). The model of this breast is based on [3]. Note: this functionality is shown only for demonstration purposes.
