



# Winston-Lutz Analysis

## Metadata:

Autor: William A. P. dos Santos

Função: Físico

Acelerador Linear: Synergy Full

Modelo MLC: Agility

## Winston-Lutz Analysis

Number of images: 8

Maximum 2D CAX->BB distance: 1.57mm

Median 2D CAX->BB distance: 0.95mm

Shift to iso: facing gantry, move BB: RIGHT 0.31mm; IN 0.35mm; DOWN 0.54mm

Gantry 3D isocenter diameter: 1.33mm (4/8 images considered)

Maximum Gantry RMS deviation (mm): 0.91mm

Maximum EPID RMS deviation (mm): 4.02mm

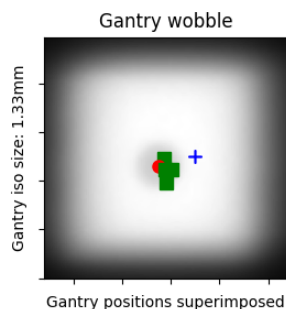
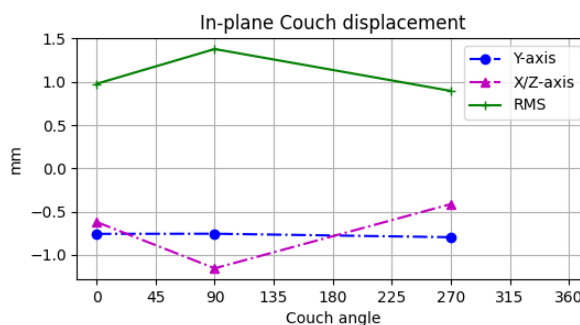
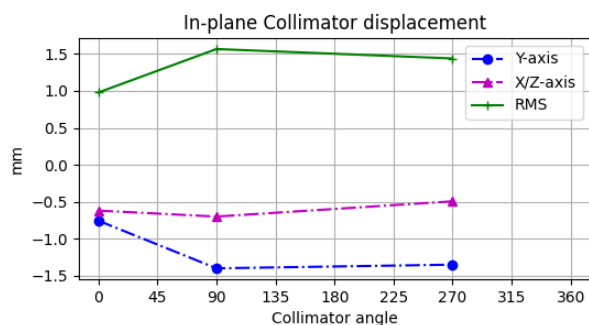
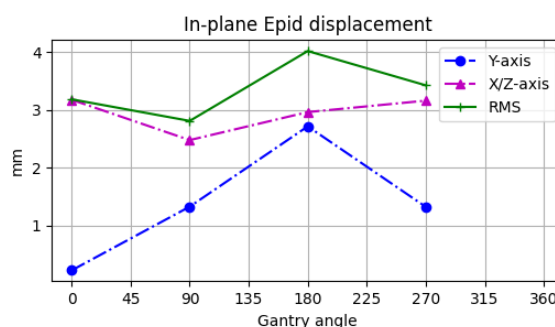
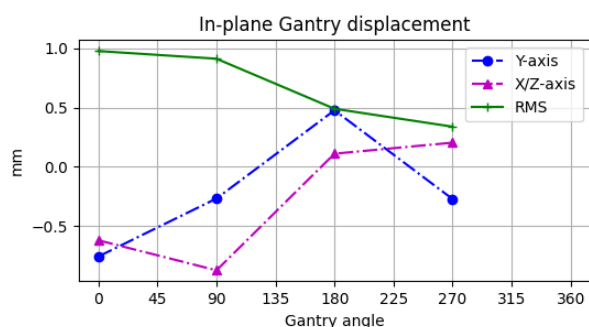
Gantry+Collimator 3D isocenter diameter: 1.97mm (6/8 images considered)

Collimator 2D isocenter diameter: 0.65mm (3/8 images considered)

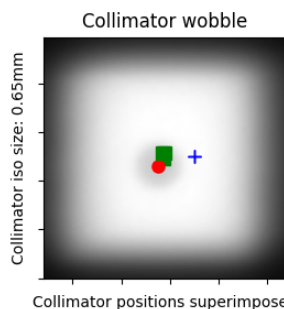
Maximum Collimator RMS deviation (mm): 1.57

Couch 2D isocenter diameter: 0.74mm (3/8 images considered)

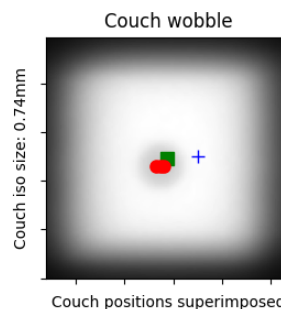
Maximum Couch RMS deviation (mm): 1.38



Gantry positions superimposed



Collimator positions superimposed



Couch positions superimposed

## Notes:

Análise de Winston-Lutz com pylinac

Campo 2 cm X 2 cm

Tolerância: 1 mm

Limite de ação: 0.8 mm

Local das imagens: ./WL\WL\_2020-03-04\_analisado



# Winston-Lutz Analysis

## Metadata:

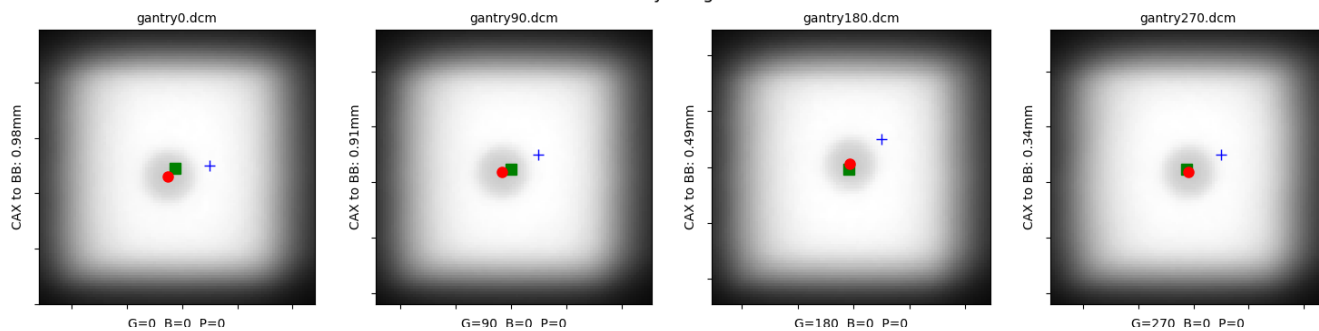
Autor: William A. P. dos Santos

Função: Físico

Acelerador Linear: Synergy Full

Modelo MLC: Agility

Gantry images





# Winston-Lutz Analysis

## Metadata:

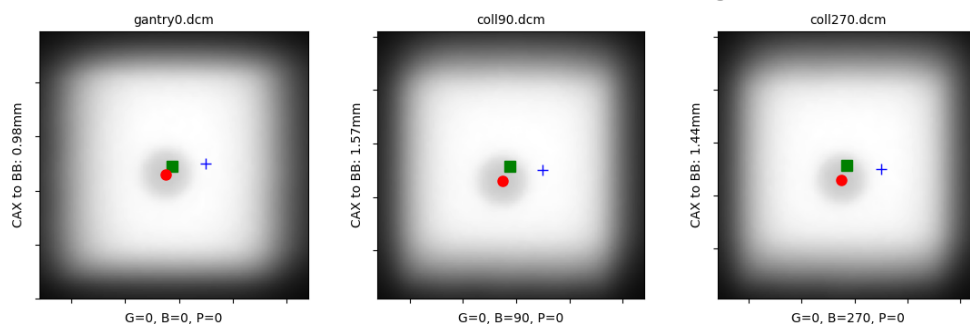
Autor: William A. P. dos Santos

Função: Físico

Acelerador Linear: Synergy Full

Modelo MLC: Agility

Collimator images





# Winston-Lutz Analysis

## Metadata:

Autor: William A. P. dos Santos

Função: Físico

Acelerador Linear: Synergy Full

Modelo MLC: Agility

Couch images

