



Particle therapy masterclass

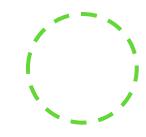
THERAPY PLANING OF *HERE* (HERE TYPE THE ORGAN EG. HEAD AND NECK, LIVER, PROSTATE)

HERE (HERE TYPE WHICH INSTITUTION)

HERE (HERE TYPE YOUR NAME)

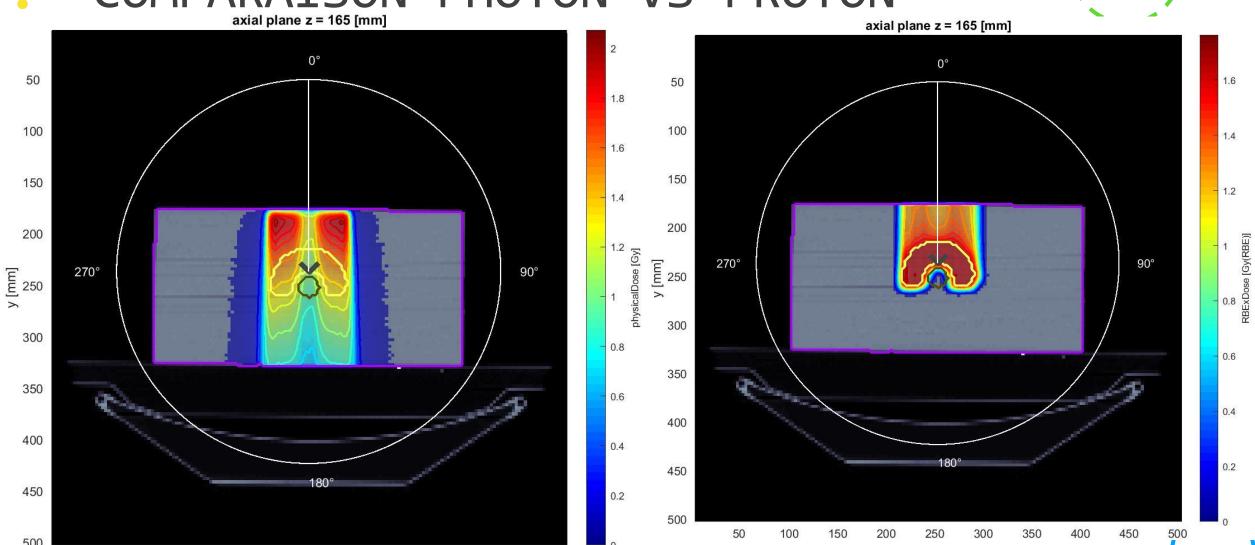






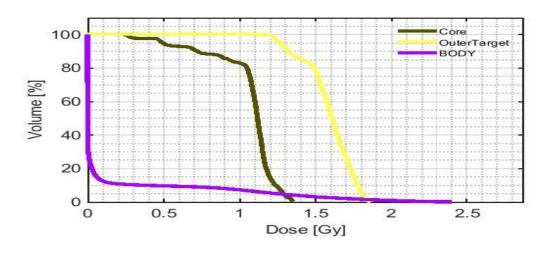
- •TG-119 (test case)
- Liver
- •COMPARAISON PHOTON vs PROTON THERAPY TG-119
- •COMPARISON PROTON vs CARBON ION THERAPY Tg-119
- COMPARAISON PHOTON vs PROTON THERAPY Liver
- COMPARAISON PHOTON vs CARBON ION THERAPY Liver

COMPARAISON PHOTON VS PROTON

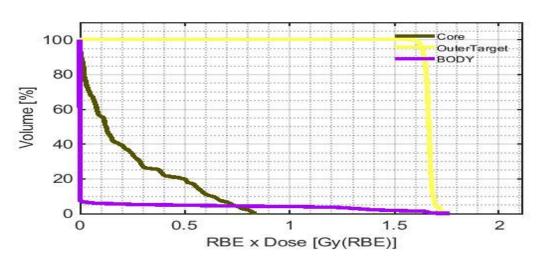


COMPARAISON PHOTON VS PROTON



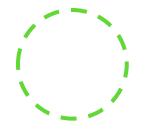


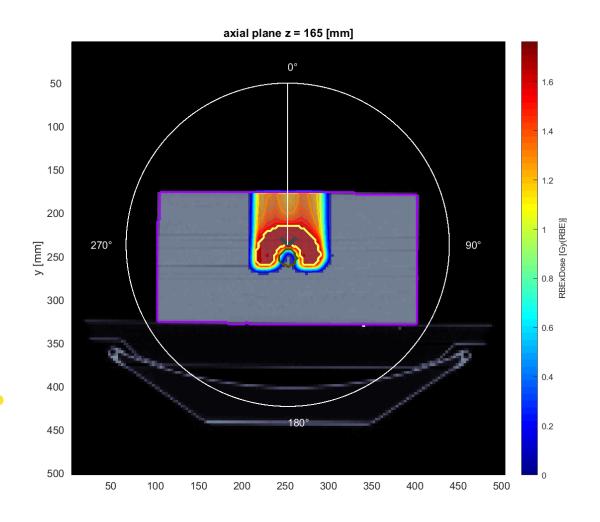
	max	min	mean	std
Core	1.3525	0.2364	1.0615	0.2183
OuterTarget	1.8672	1.0975	1.5905	0.1581
BODY	2.3969	0	0.1373	0.4068

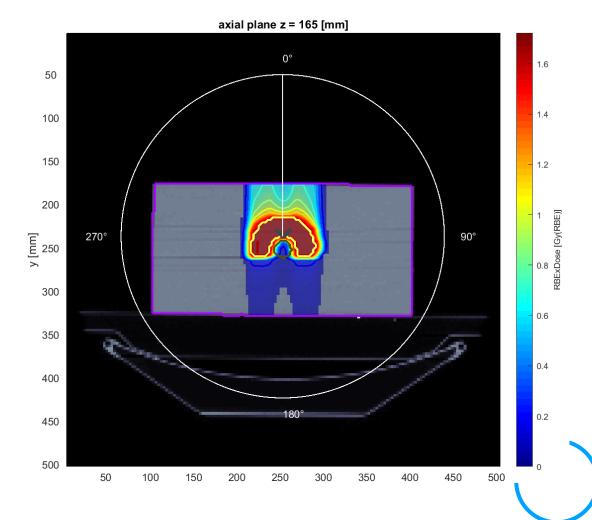


Core OuterTarget BODY	0.8452 1.7638 1.7638	0 1.5600 0	0.2258 1.6651 0.0652	0.2389 0.0201 0.2889
BODY	1.7638	0	0.0652	0.2889

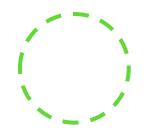
COMPARAISON PROTON VS ION CARBONE

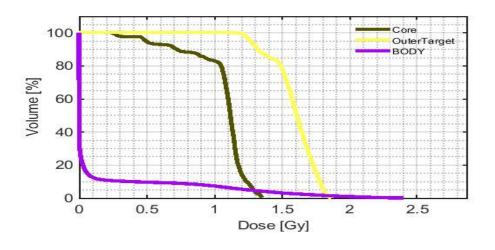




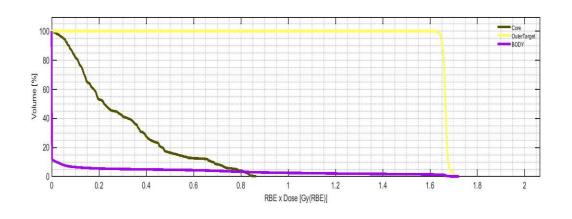


COMPARAISON PROTON VS ION CARBONE





Core 1.3525 0.2364 1.0615 0.2183 OuterTarget 1.8672 1.0975 1.5905 0.1581 BODY 2.3969 0 0.1373 0.4068
BODY 2.3969 0 0.1373 0.4068



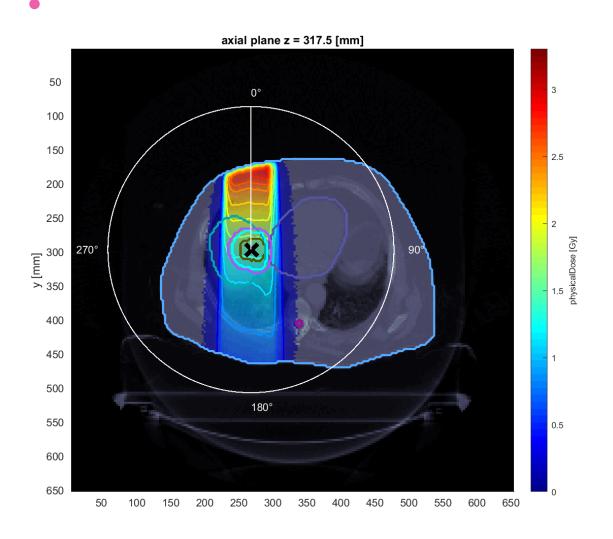
	max	min	mean	std
Core	0.8667	0.0056	0.2975	0.2199
OuterTarget	1.7224	1.5689	1.6657	0.0118
BODY	1.7224	0	0.0582	0.2550

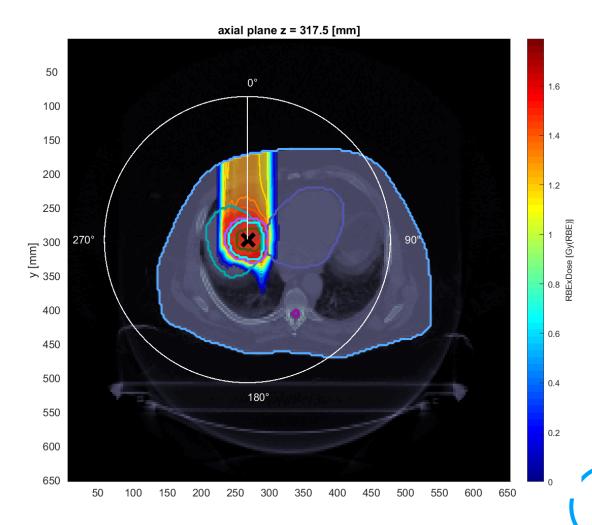


Cas Liver

COMPARAISON PHOTON VS PROTON



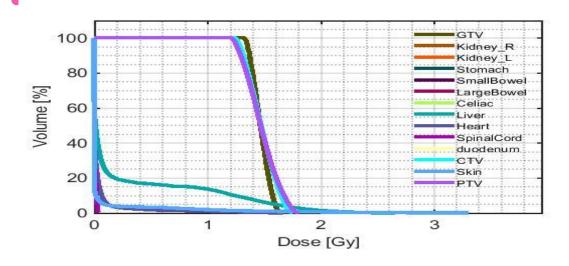




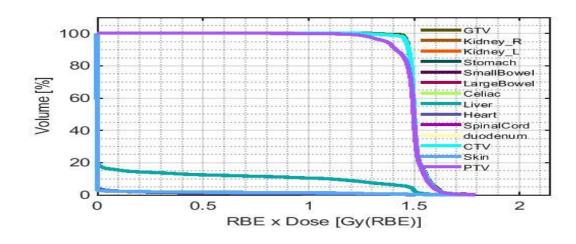
Cas Liver

COMPARAISON PHOTON VS PROTON



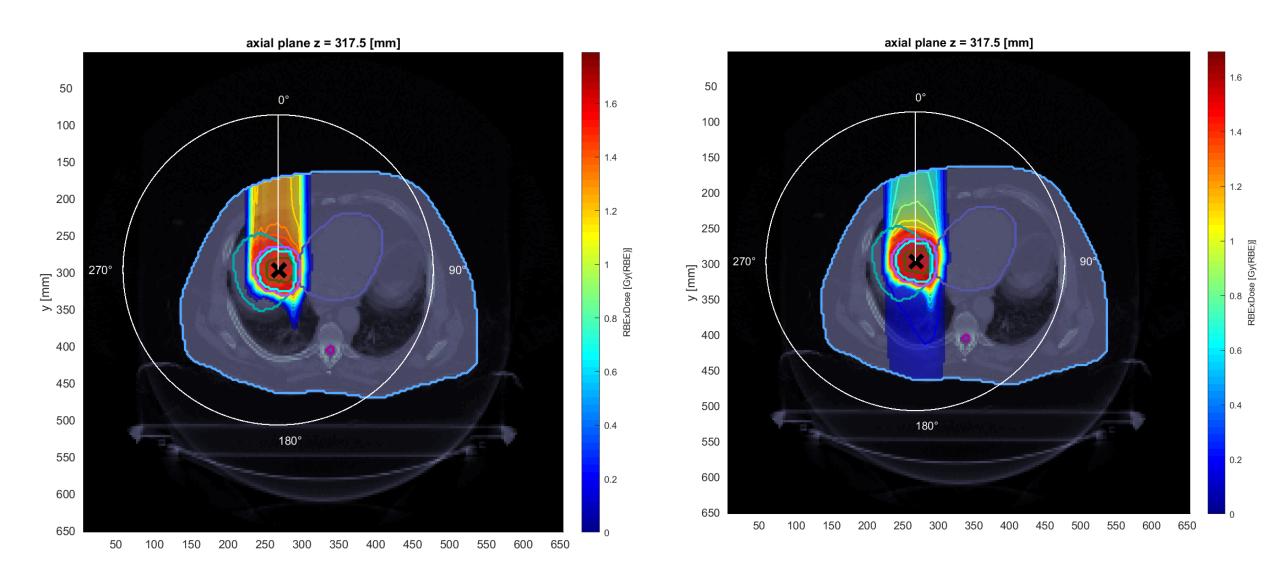


	max	min	mean	std
GTV	1.6406	1.3221	1.4716	0.0744
Kidney_R	0	0	0	0
Kidney_L	0	0	0	0
Stomach	0	0	0	0
SmallBowel	0	0	0	o
argeBowel	0	0	0	0
Celiac	0	0	0	0
Liver	2.6562	0	0.2549	0.5303
Heart	1.6725	0	0.0371	0.1443
SpinalCord	0.0383	0	0.0054	0.0096
duodenum	0	0	0	0
CTV	1.7576	1.2454	1.4802	0.1219
Skin	3.3048	0	0.0464	0.2479
PTV	1.8082	1.2028	1.4790	0.1388



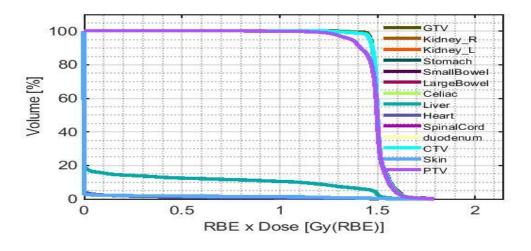
	max	min	mean	std
GTV	1.7558	1.2778	1.5102	0.0439
Kidney_R	0	0	0	0
Kidney_L	0	0	0	0
Stomach	0	0	0	0
SmallBowel	0	0	0	o
LargeBowel	0	0	0	0
Celiac	0	0	0	0
Liver	1.7912	0	0.1677	0.4339
Heart	1.5113	0	0.0130	0.1034
SpinalCord	0	0	0	0
duodenum	0	0	0	0
CTV	1.7912	1.2000	1.5087	0.0454
Skin	1.7912	0	0.0201	0.1527
PTV	1.7912	0.8193	1.4912	0.0731

Cas Liver Comparaison Proton vs ion Carbone

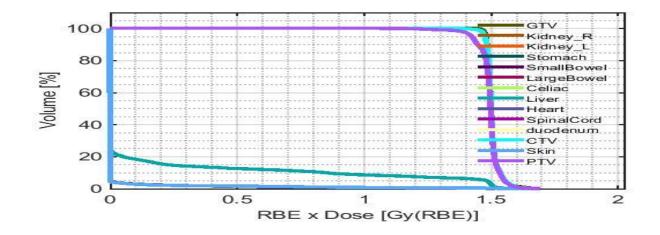


Cas Liver

Comparaison Proton vs ion Carbone



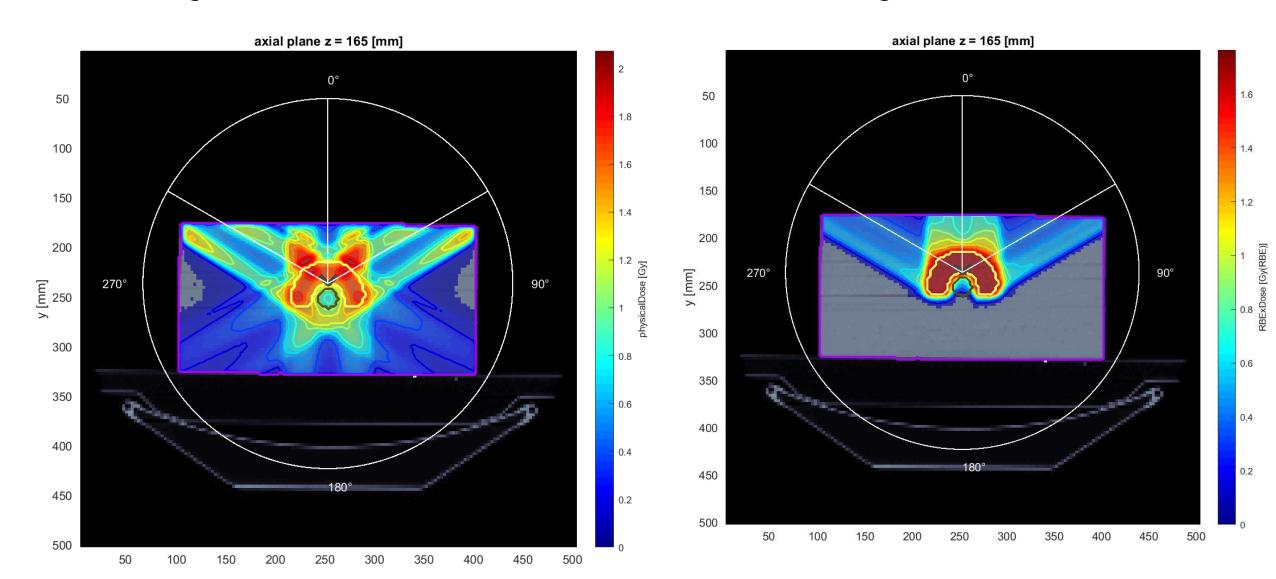
	max	min	mean	std
GTV	1.7558	1.2778	1.5102	0.0439
Kidney_R	0	0	0	0
Kidney_L	0	0	0	0
Stomach	0	0	0	0
SmallBowel	0	0	0	0
argeBowel	0	0	0	0
Celiac	0	0	0	0
Liver	1.7912	0	0.1677	0.4339
Heart	1.5113	0	0.0130	0.1034
SpinalCord	0	0	0	0
duodenum	0	0	0	0
CTV	1.7912	1.2000	1.5087	0.0454
Skin	1.7912	0	0.0201	0.1527
PTV	1.7912	0.8193	1.4912	0.0731



	max	min	mean	std
GTV	1.6657	1.4403	1.5064	0.0259
Kidney_R	0	0	0	0
Kidney_L	0	0	0	0
Stomach	0	0	0	0
SmallBowel	0	0	0	0
argeBowel	0	0	0	0
Celiac	0	0	0	0
Liver	1.6937	0	0.1672	0.4164
Heart	1.5188	0	0.0175	0.1223
SpinalCord	0	0	0	0
duodenum	0	0	0	0
CTV	1.6937	1.2859	1.5055	0.0267
Skin	1.6937	0	0.0189	0.1354
PTV	1.6937	1.0604	1.4947	0.0447

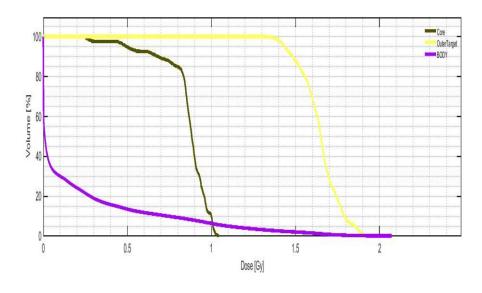
Cas TG_119 Photon 3 angles

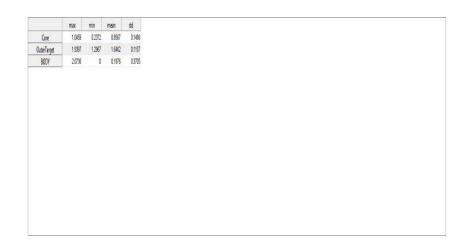
Proton 3 angles



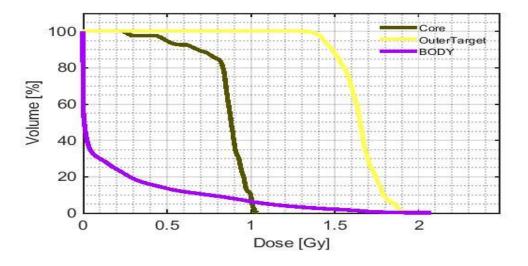
Cas TG_119

Photon 3 angles





Proton 3 angles



	max	min	mean	std
Core	1.0459	0.2372	0.8567	0.1486
OuterTarget	1.9397	1.2967	1.6462	0.1157
BODY	2.0736	0	0.1876	0.3705

Thank you for your attentin