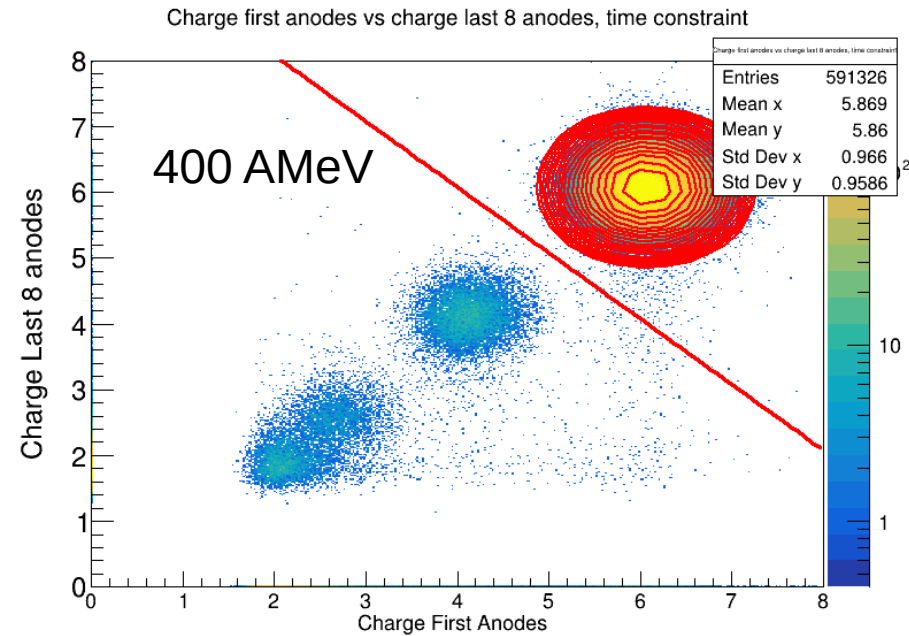
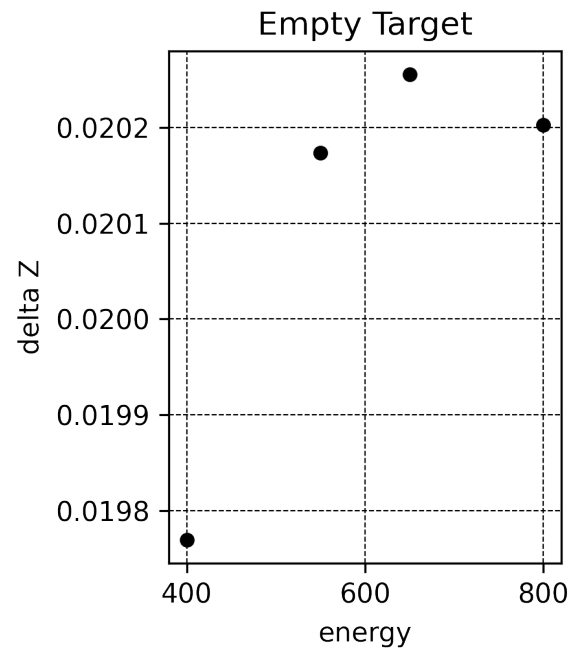
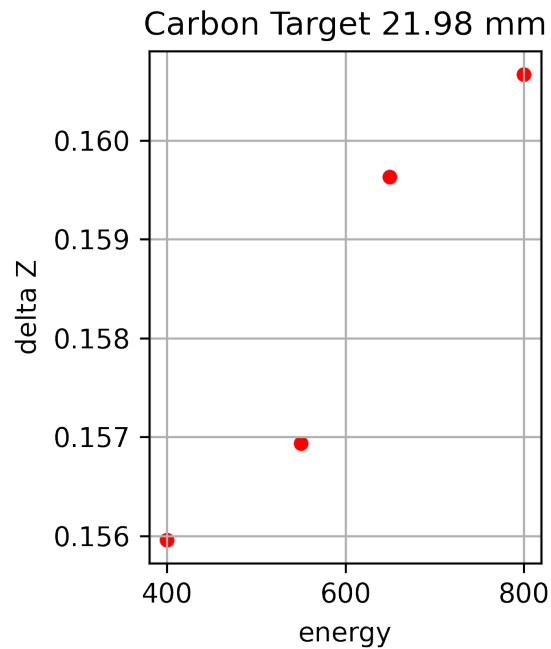


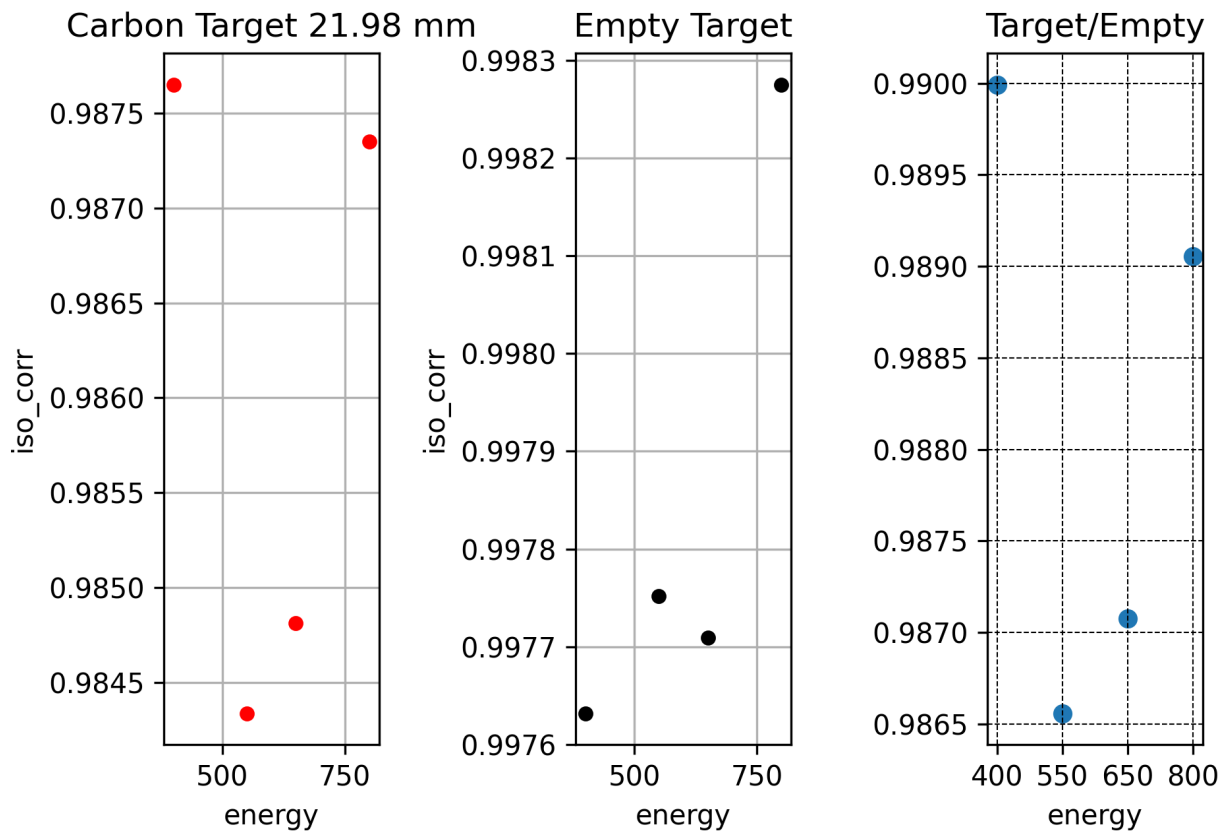
S444 numbers overview

Target Type	RUN ID	Energy	incoming ions	ΔZ /incoming ions	isotope correction	geom. Correction
c 2198	0183_0001	400	657424	0.15596	0.987003	1.00342
c 2198	0103_0001	550	437311	0.156934	0.984956	1.00191
c 2198	0130_0001	650	531690	0.159631	0.984957	1.00065
c 2198	0170_0001	800	480539	0.16067	0.987686	1.00069
empty	0187_0001	400	575624	0.0197698	0.99786	1.00065
empty	0096_0001	550	454455	0.0201736	0.996711	1.00022
empty	0124_0001	650	523267	0.0202554	0.996933	1.0001
empty	0173_0001	800	396093	0.0202023	0.997637	1.00012

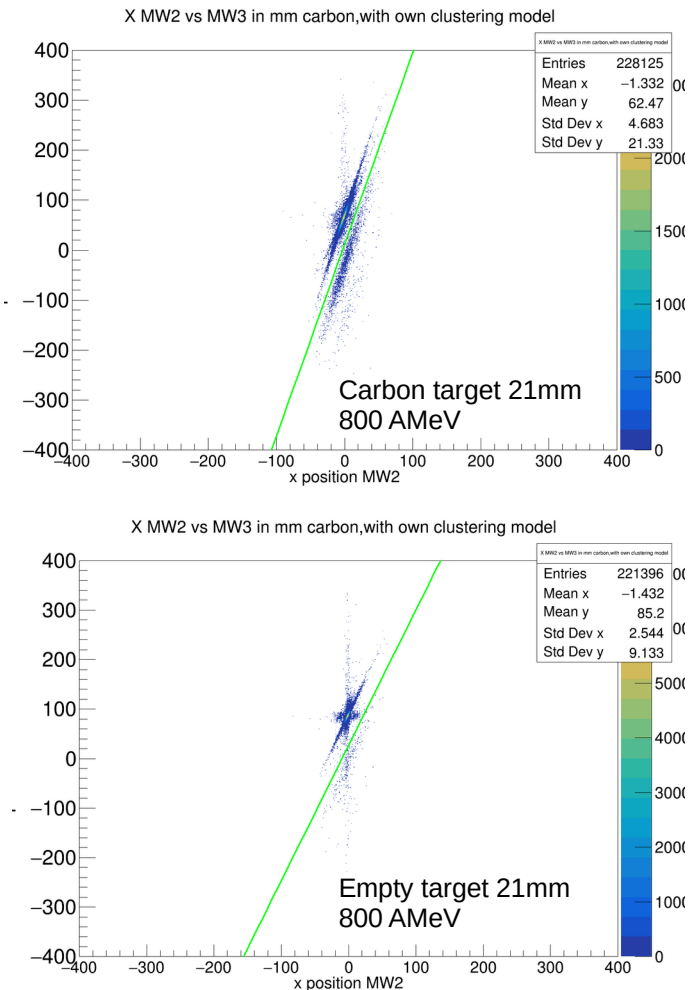
ΔZ / incoming ions



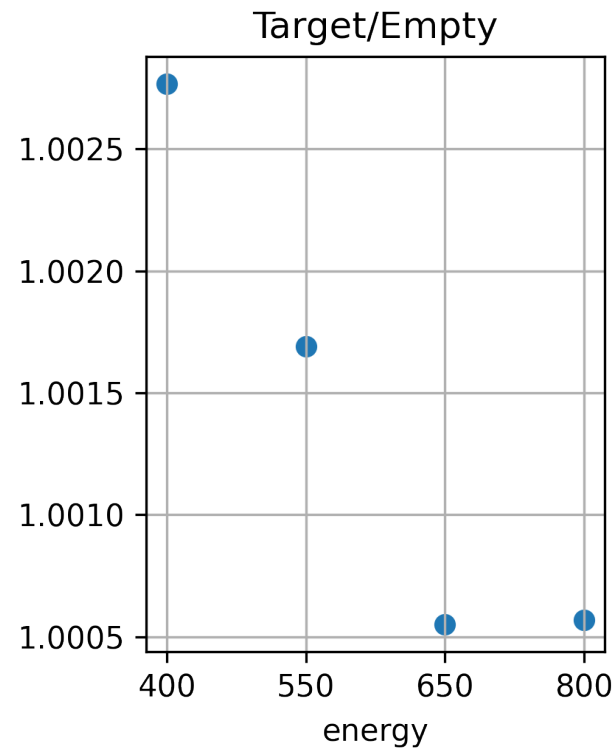
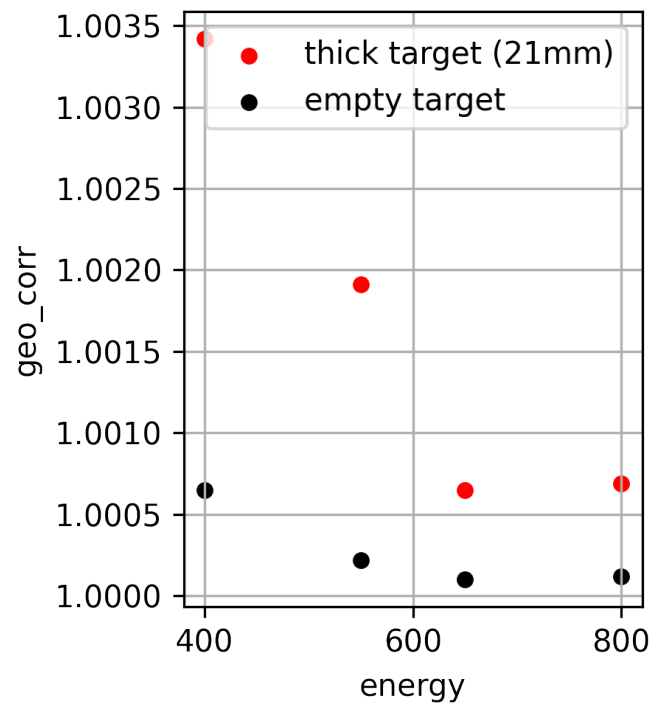
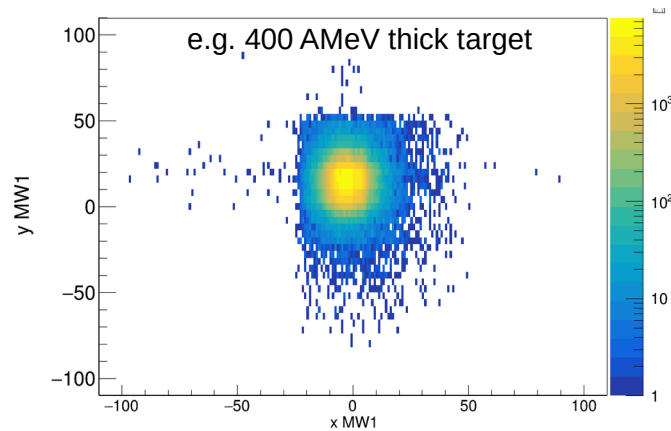
Isotopic Correction 12C/11C/10C



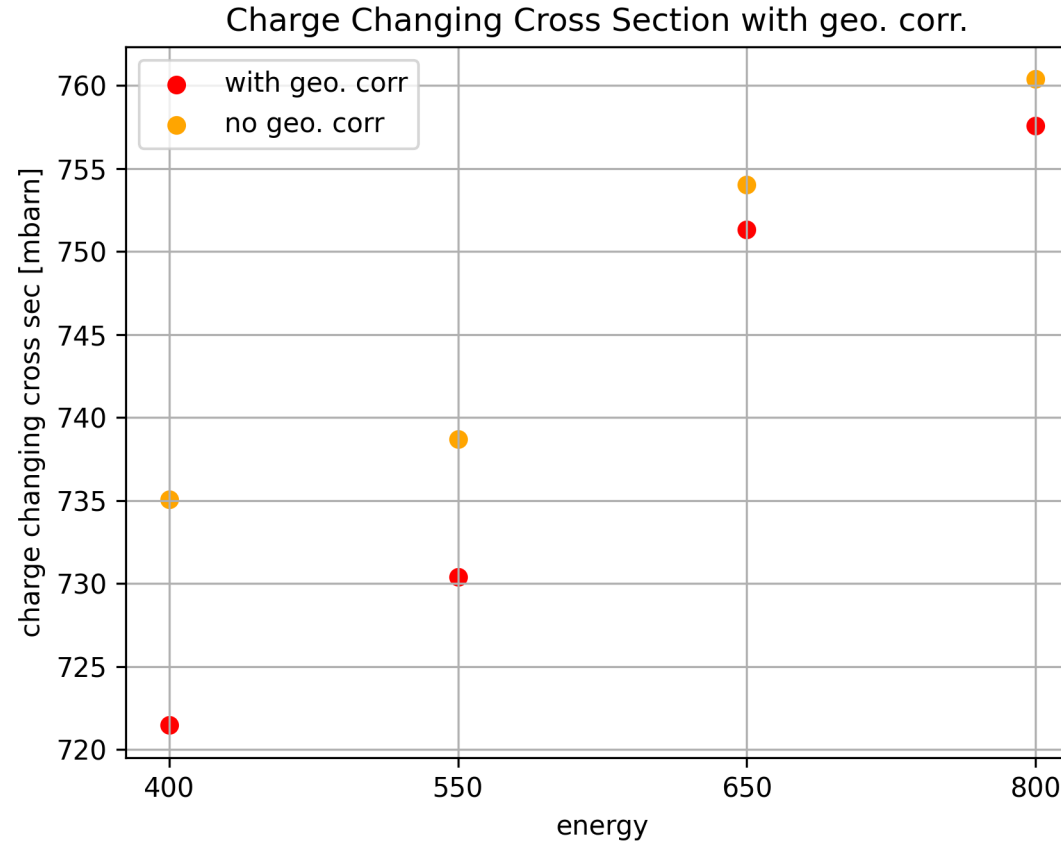
Something is off, value should slightly decrease over energy



Geometric correction:



Geometric Correction has to be already applied to charge changing cross section!



This looks good, shape and curvature what we would expect

Material Budget in beamline

beam
↓

M	FRS exit window	Ti 200 micron
M	MWPC0Wind	H8C1004 100 micron
M	MWPC0Gas	C20040Ar80 10 mm
M	R3BMusicWin	H8C1004 100 micron
M	R3BMusicGas	C151H300Ar490 510 mm
M	StartWindow	H8C1004 300 micron
M	SofiaSci	H10C9 1 mm
M	ROLUwindow	H8C8 400 micron
M	TCwindow	H8C1004 23 micron
M	CaveCtarg	
M	HeGas	He 1230 mm
M	TC exit window	H8C1004 23 micron
M	Air	021N78Ar 1000 mm
M	MWPC12 window	H8C1004 200 micron
M	MWPC12 gas	Ar80C20040 10 mm
I	TwinMusicWind	H8C1004 100 micron
M	TwinMusicGas	C151H300Ar490 550 mm
M	glad window	H8C1004 23 micron
M	GLAD	He 3000 mm

List of the setup materials as set in LISE calculations.

M	GLAD	He 3000 mm
I	gladexitwindow	H8C1004 150 micron
M	Air	021N78Ar 1000 mm
I	MWPC3Window	H8C1004 100 micron
M	MWPC3Gas	C20040Ar80 5 mm
I	SofToFWwindow	H8C1004 150 micron
M	SofiaToFWall	H10C9 5 mm

These are the numbers from the subsequent experiment S467. Should be same as for the S444 experiment

↓