

Benchmark #1

2MeV Fe on Fe

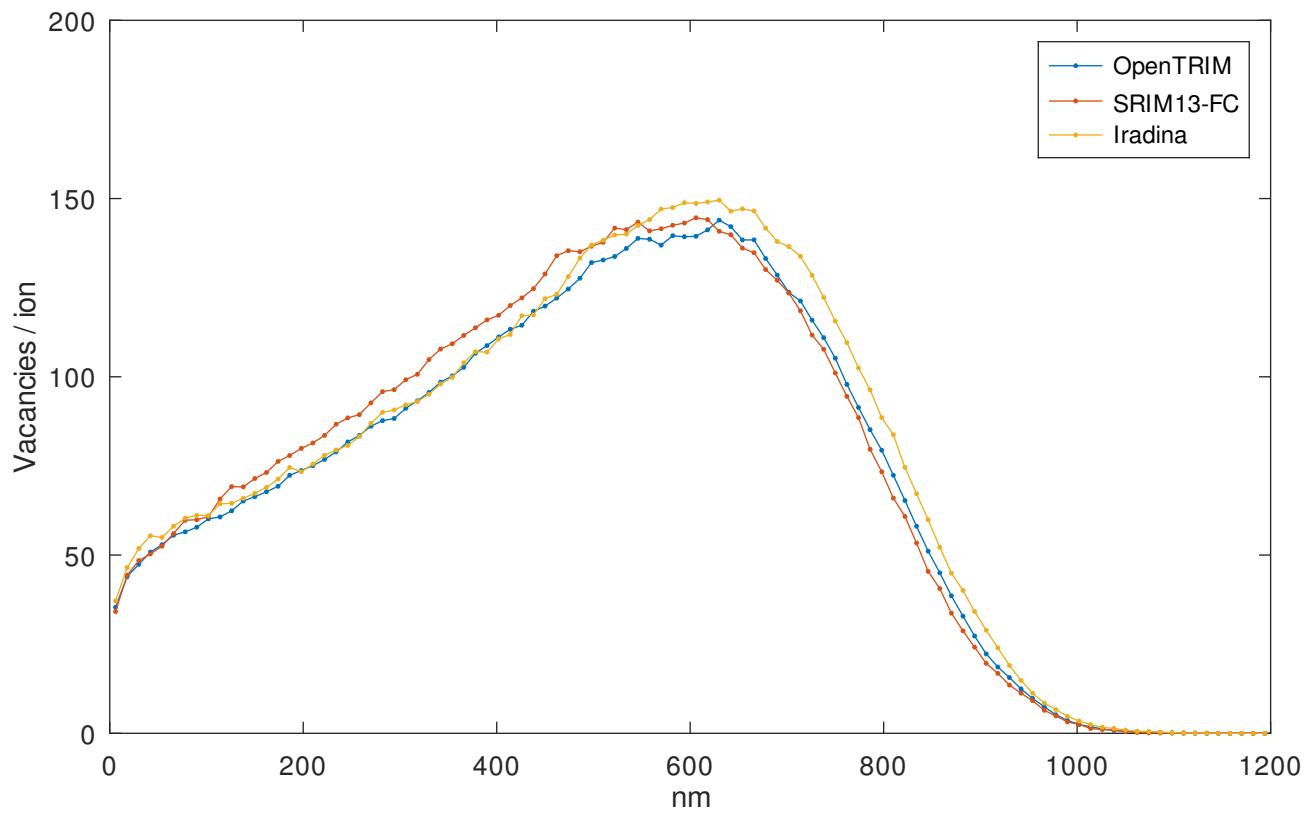
Ion energy E0 = 2e+06 eV

Target depth = 1200 nm

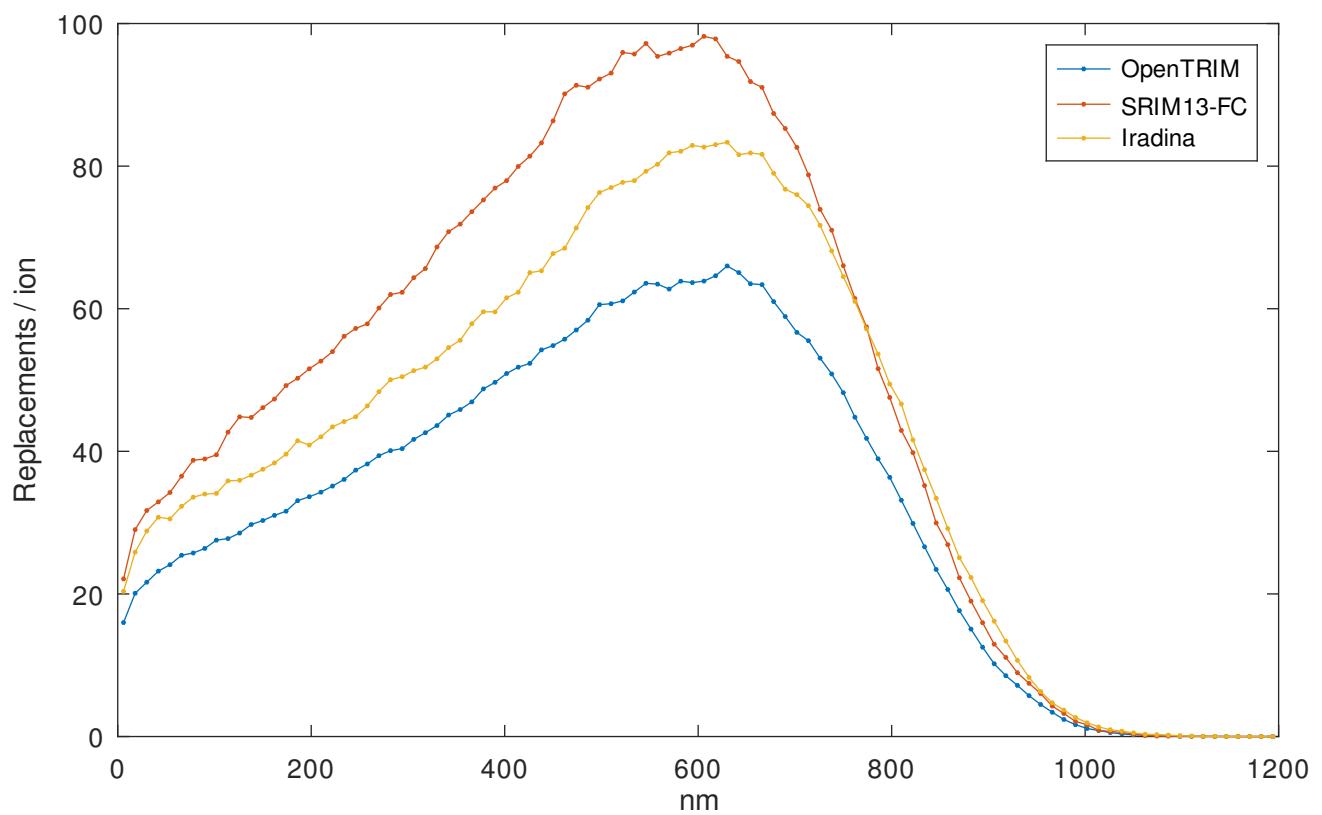
Summary Table

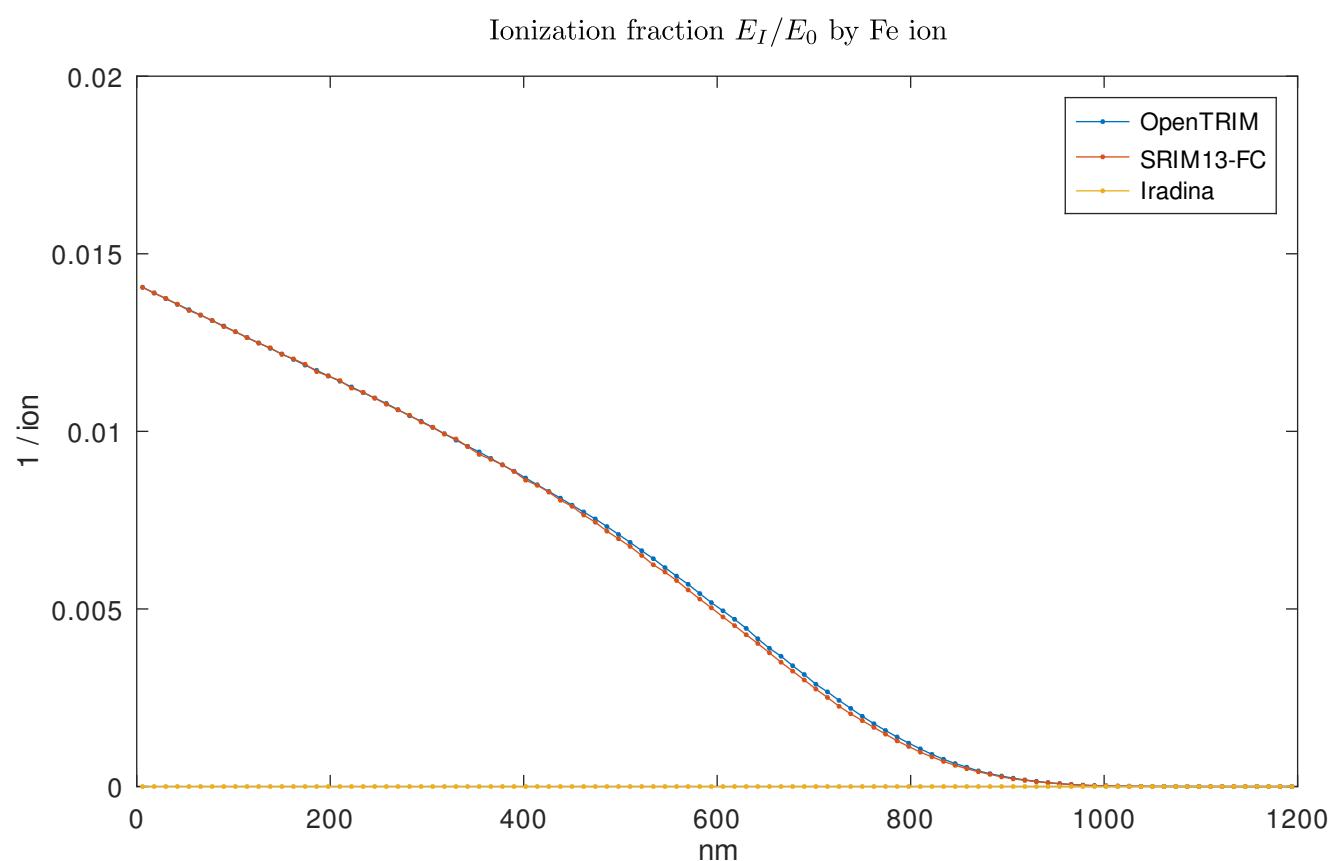
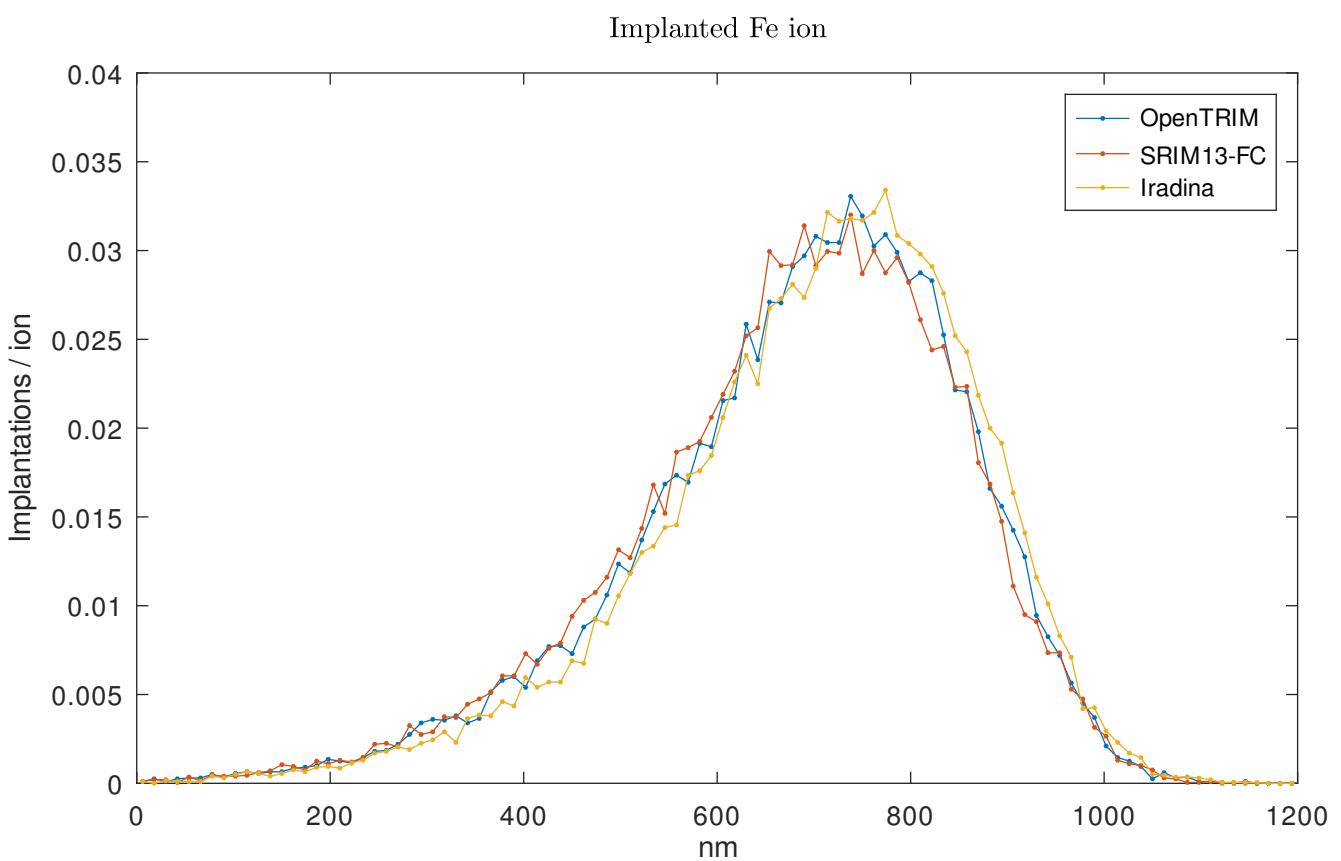
Quantity	OpenTRIM	SRIM13 - FC	Iradina
V(Fe)	7.16e+03	7.35e+03	7.53e+03
R(tot)	3.28e+03	4.87e+03	4.19e+03
I(Fe)	1	1	1
EI(Fe) /E0	0.556	0.552	0
EI(r) /E0	0.112	0.112	0
EI/E0	0.668	0.663	0.681
EPh(Fe) /E0	0.00348	0.0034	0
EPh(r) /E0	0.328	0.325	0
EPh(tot) /E0	0.331	0.329	0.319
1 - (EI+EPh) /E0	0.000282	0.00772	0.000285

Vacancies of Fe in Fe

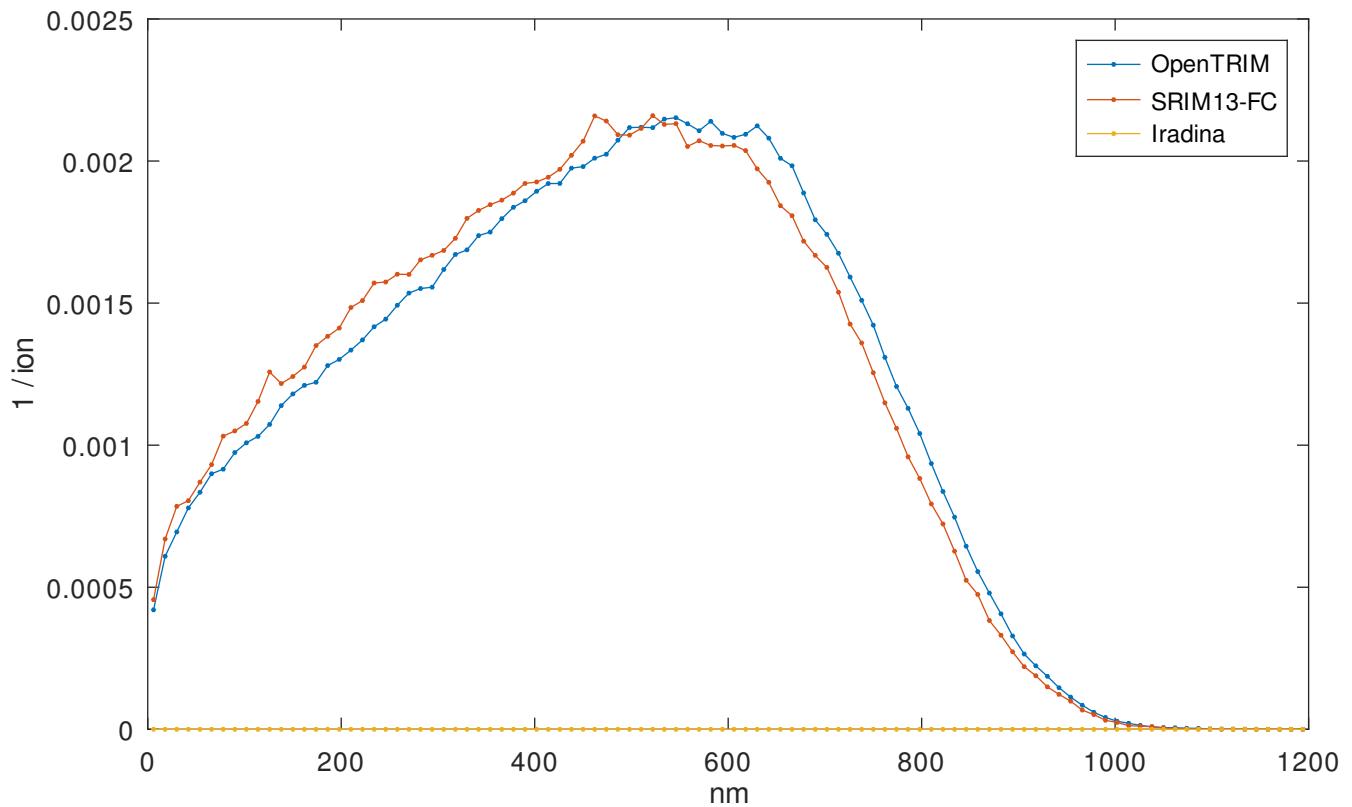


Replacements

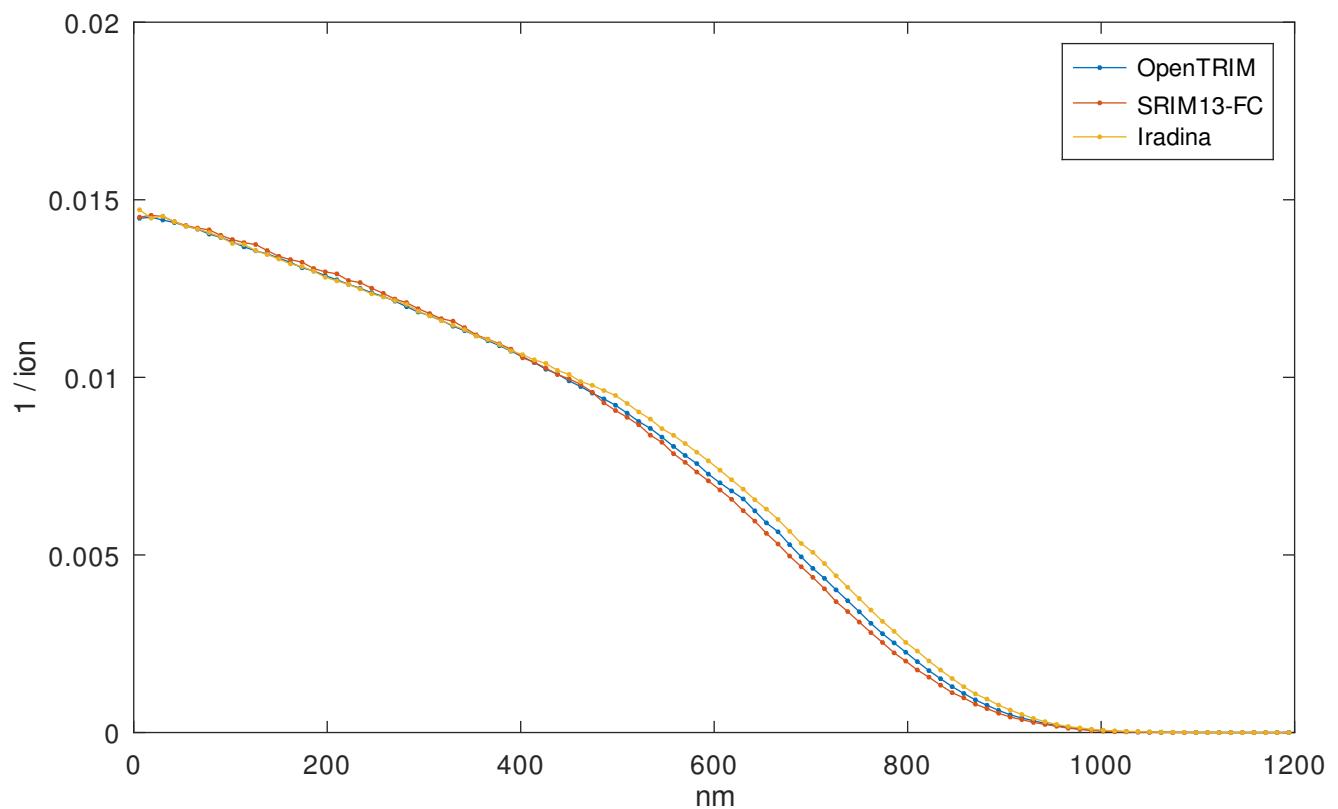




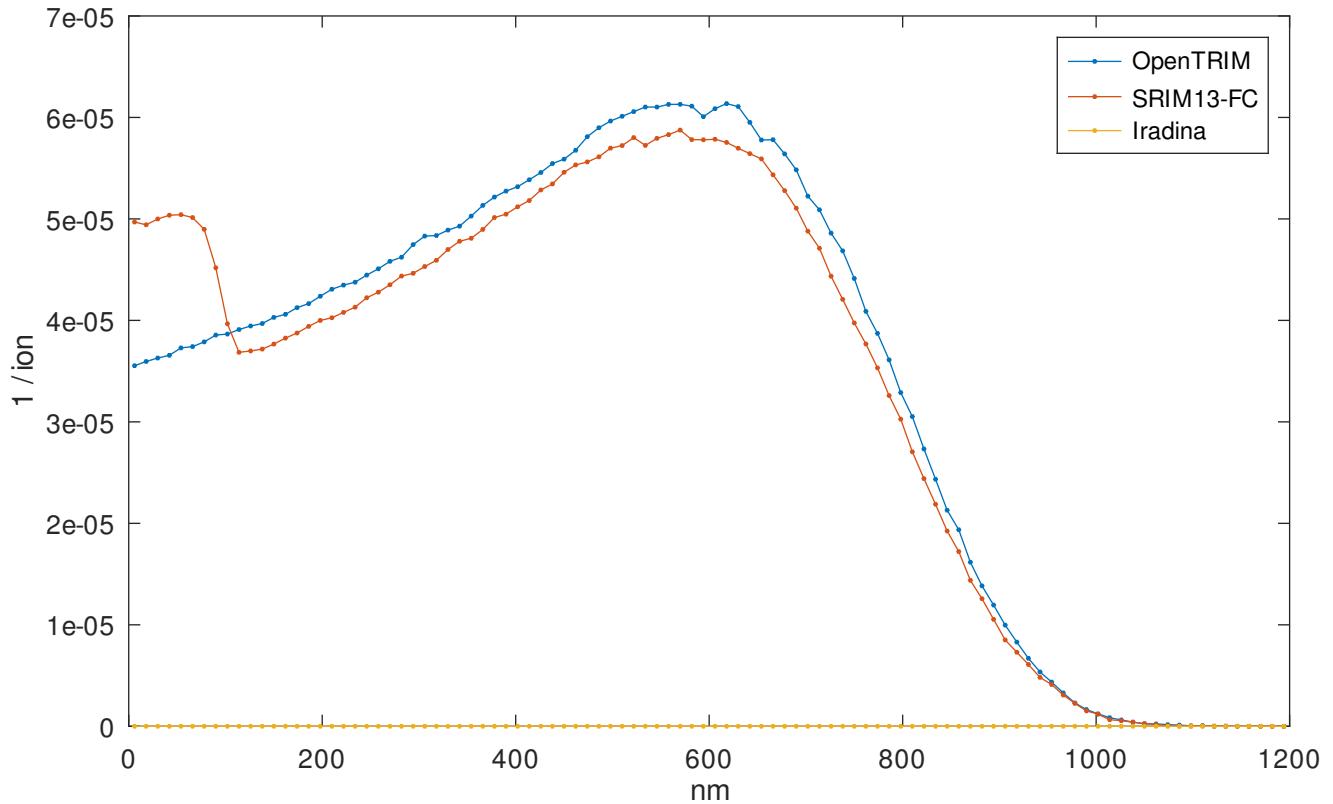
Ionization fraction E_I/E_0 by recoils



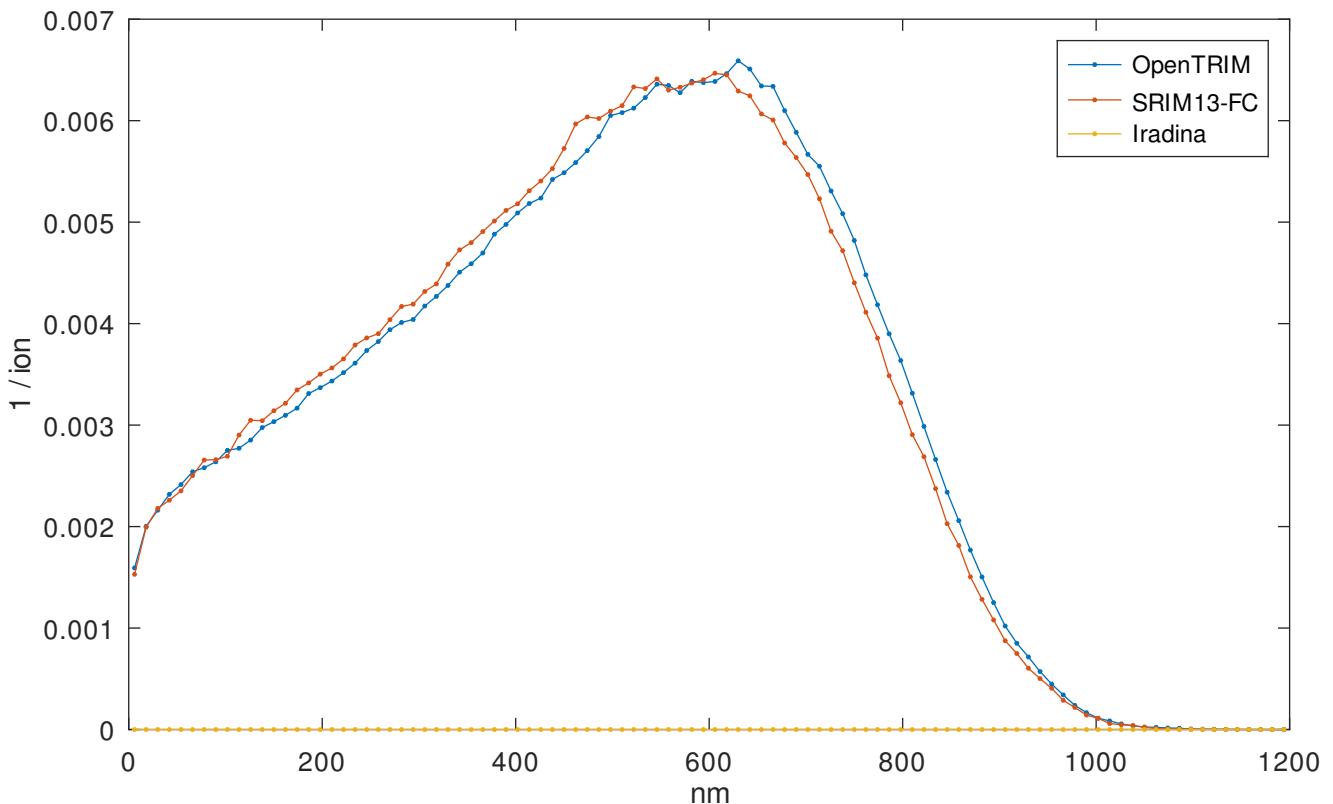
Total Ionization fraction E_I/E_0



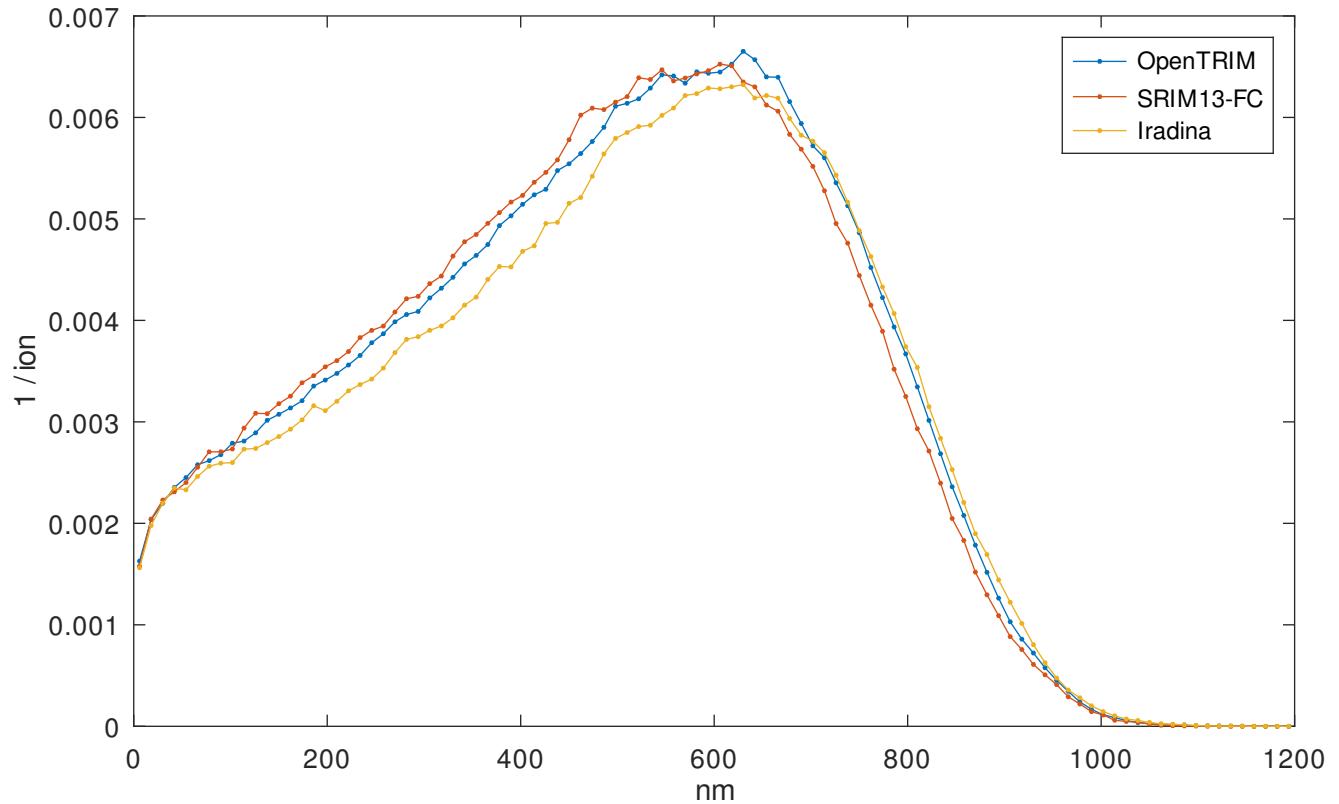
Phonon energy fraction E_{Ph}/E_0 by Fe ion



Phonon energy fraction E_{Ph}/E_0 by recoils



Total Phonon energy fraction E_{Ph}/E_0



Total fractional energy deposition $(E_I + E_{Ph})/E_0$

