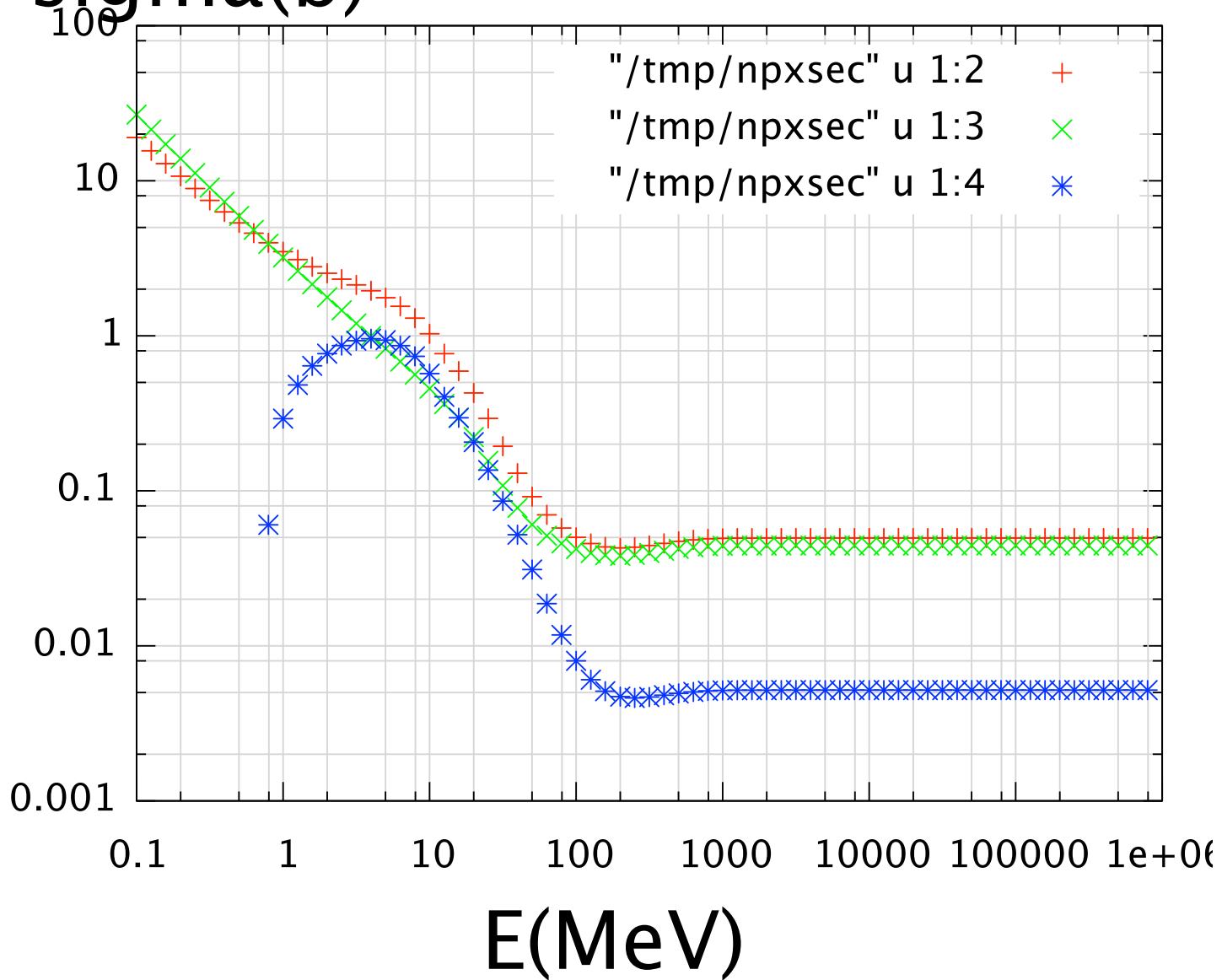


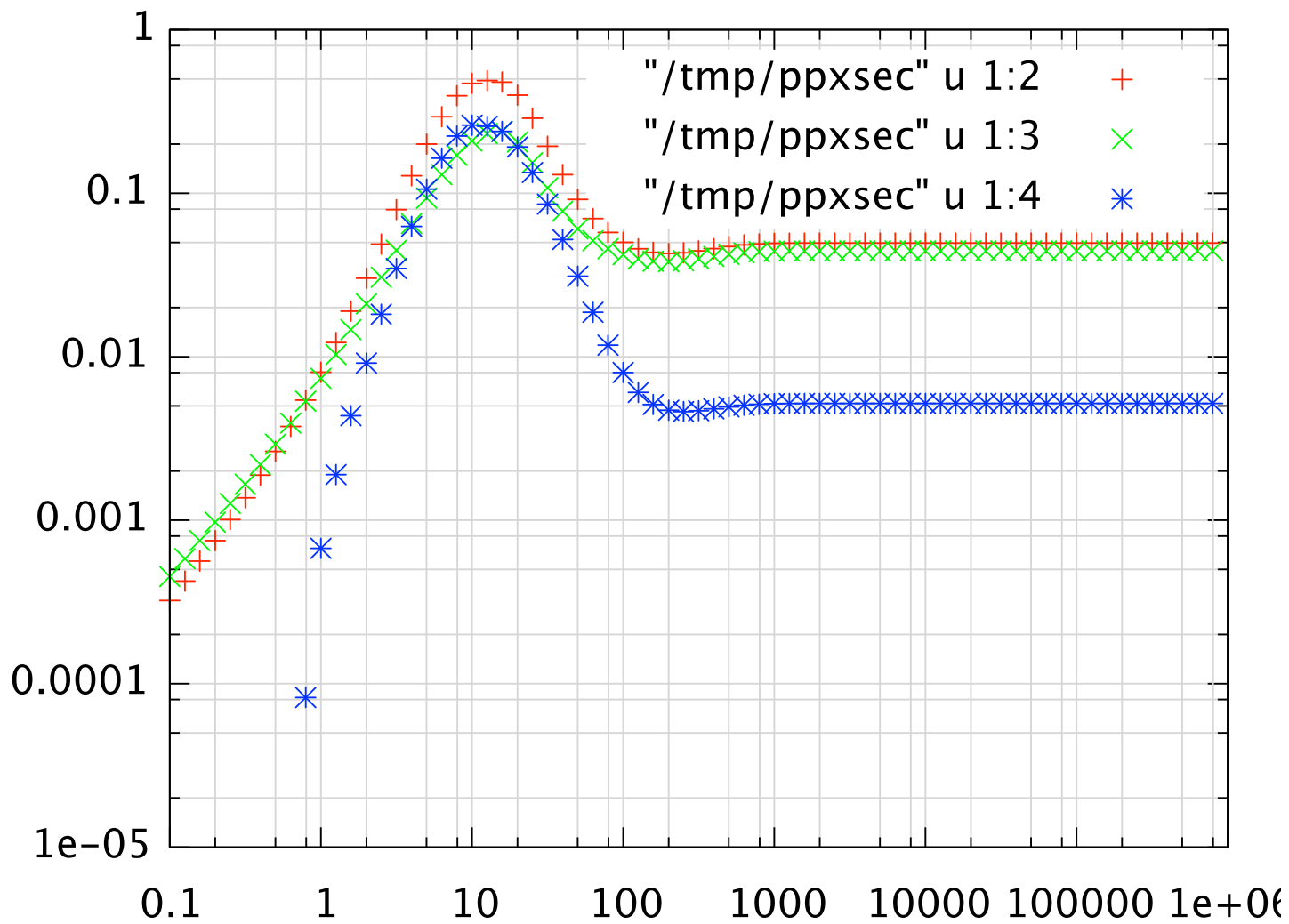
np

by sigrc

$\sigma(b)$

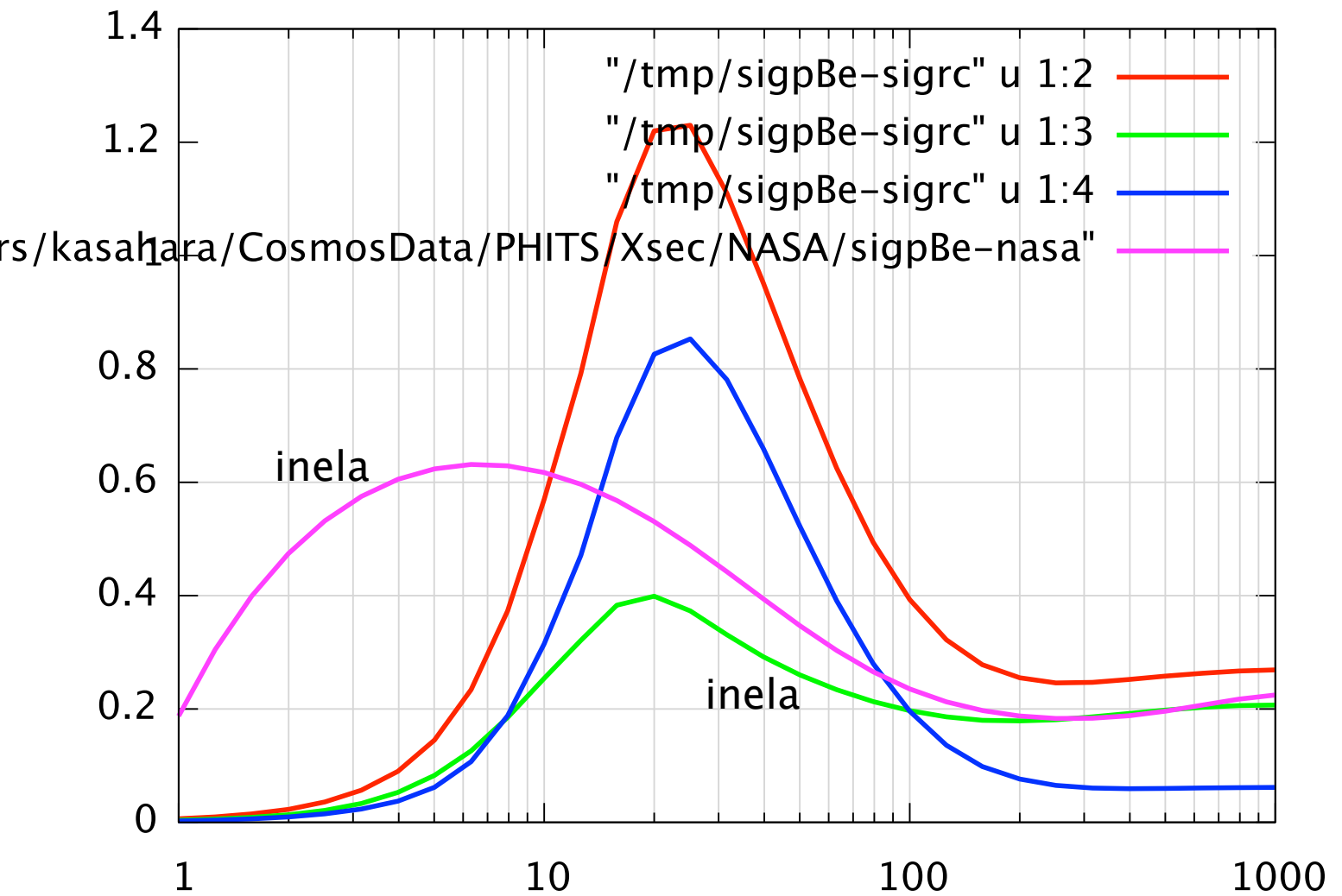


pp by sigrc

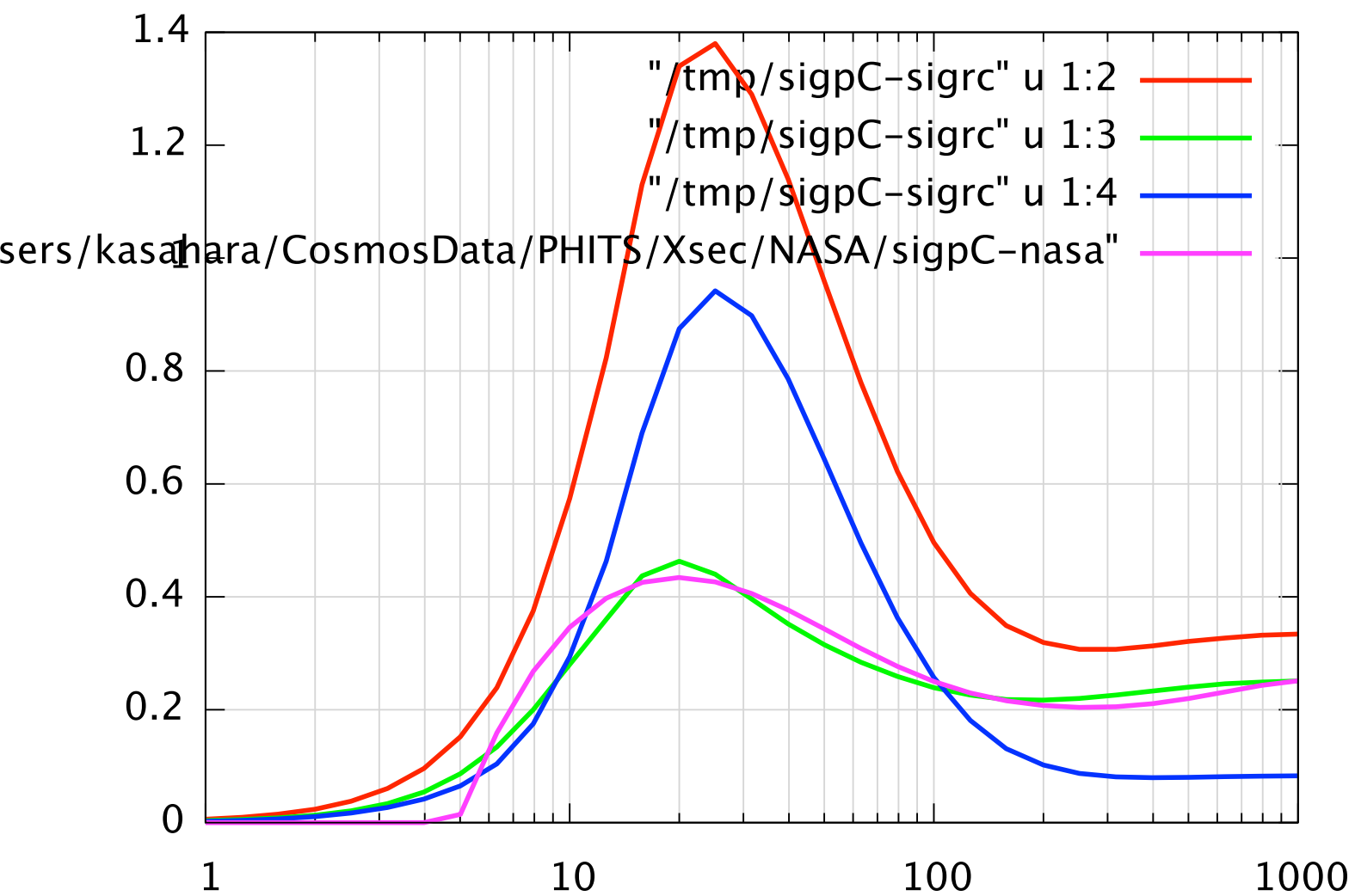


Comp. sigrc and nasa

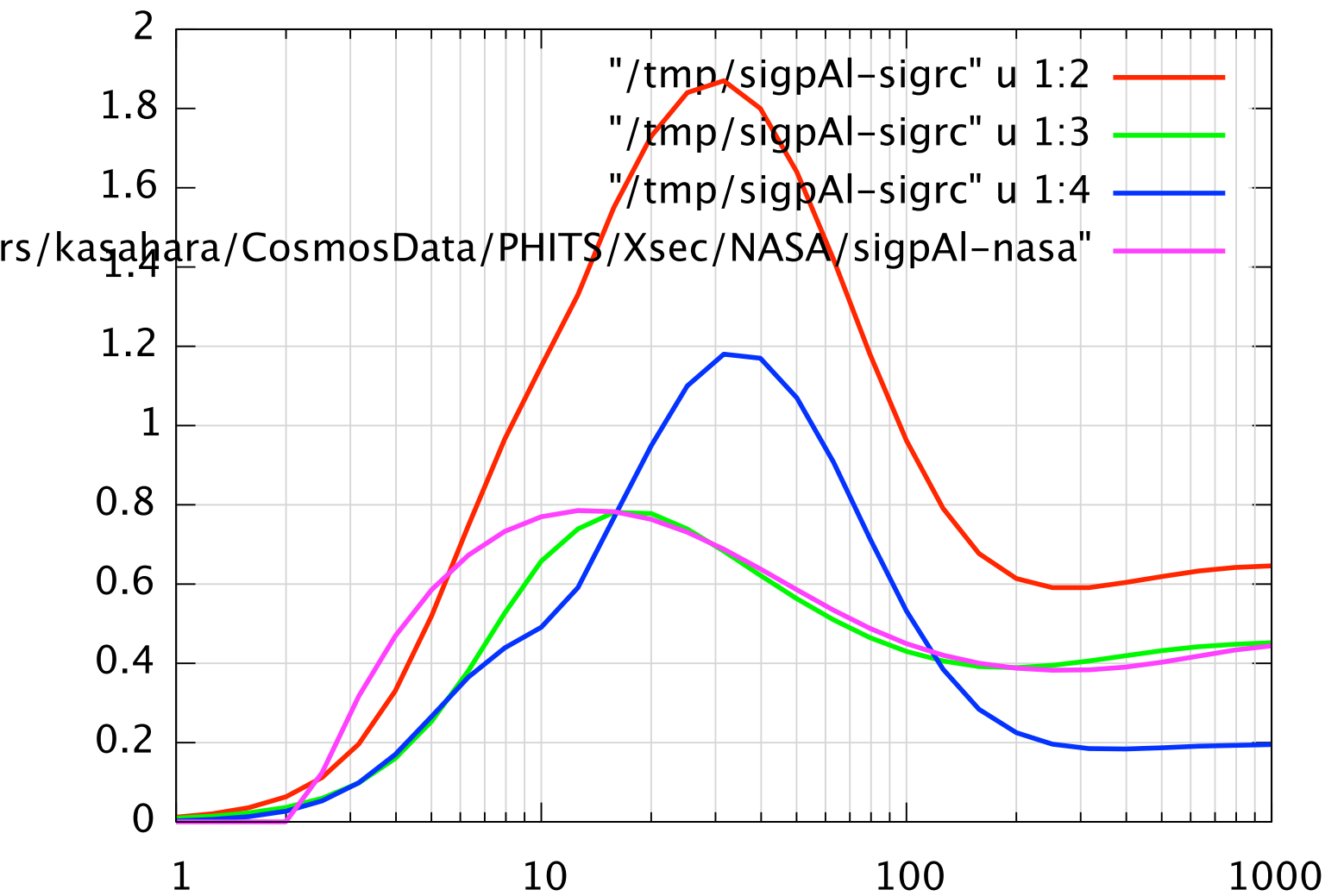
pBe



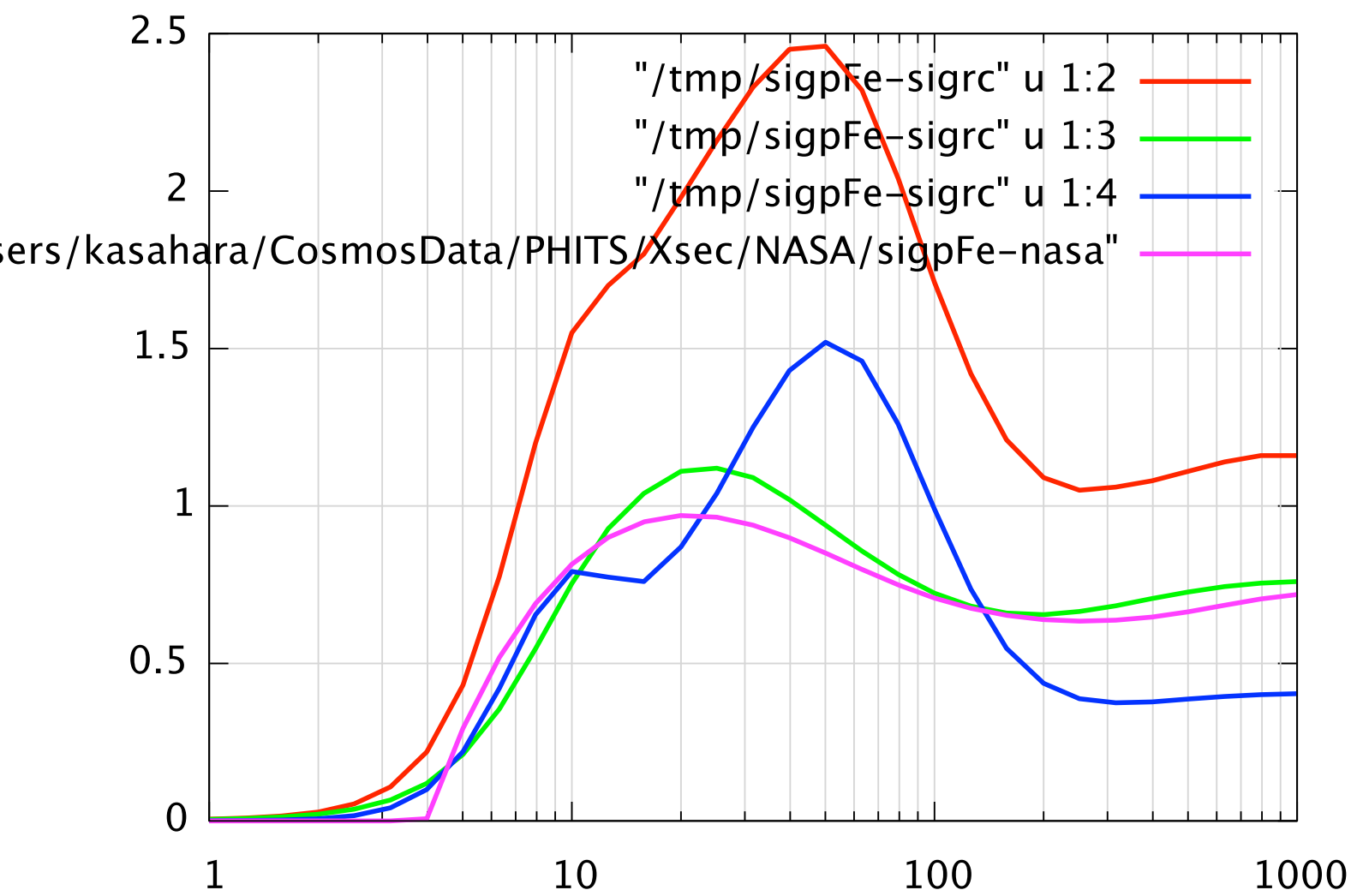
pBe



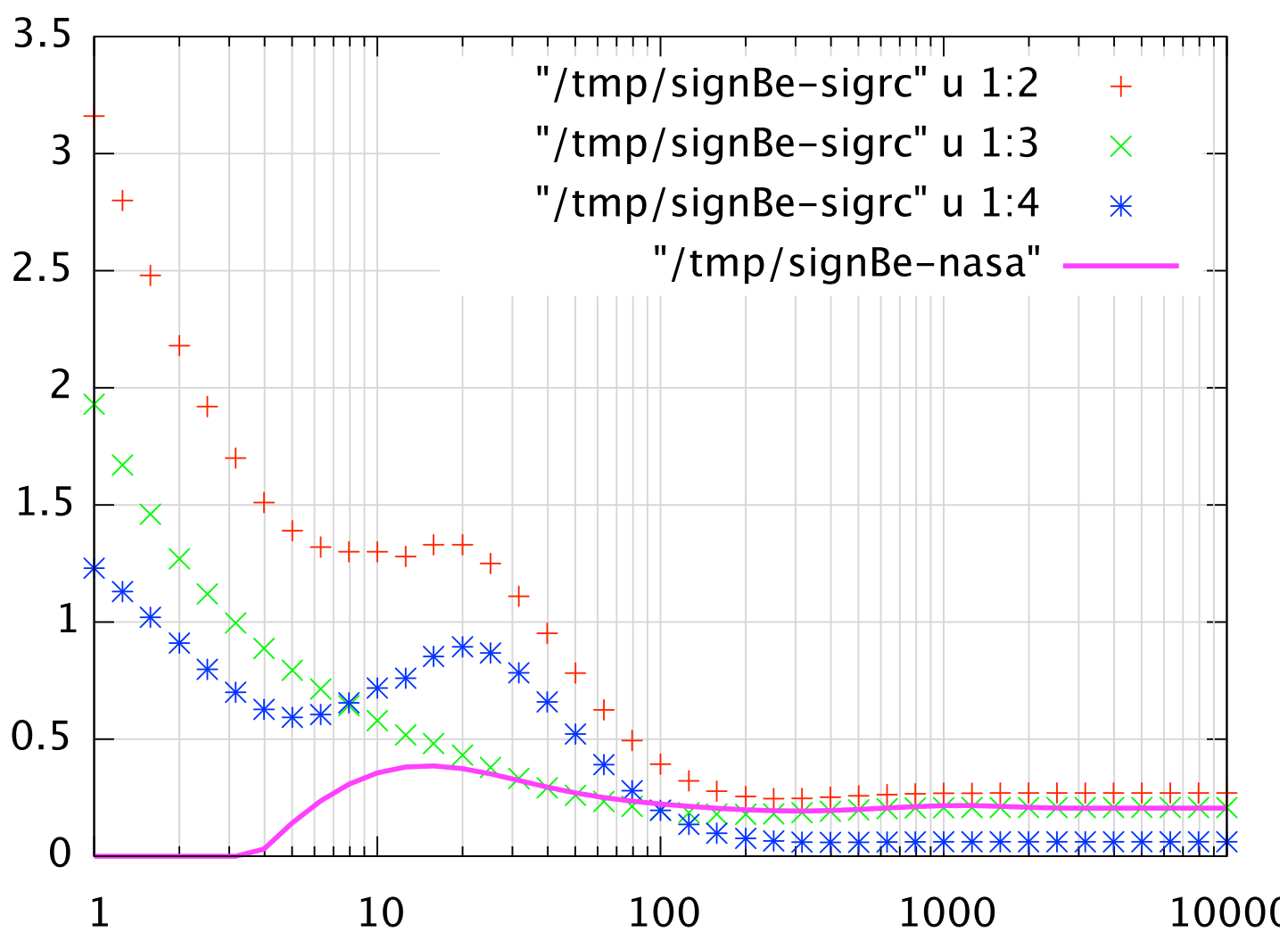
pAI



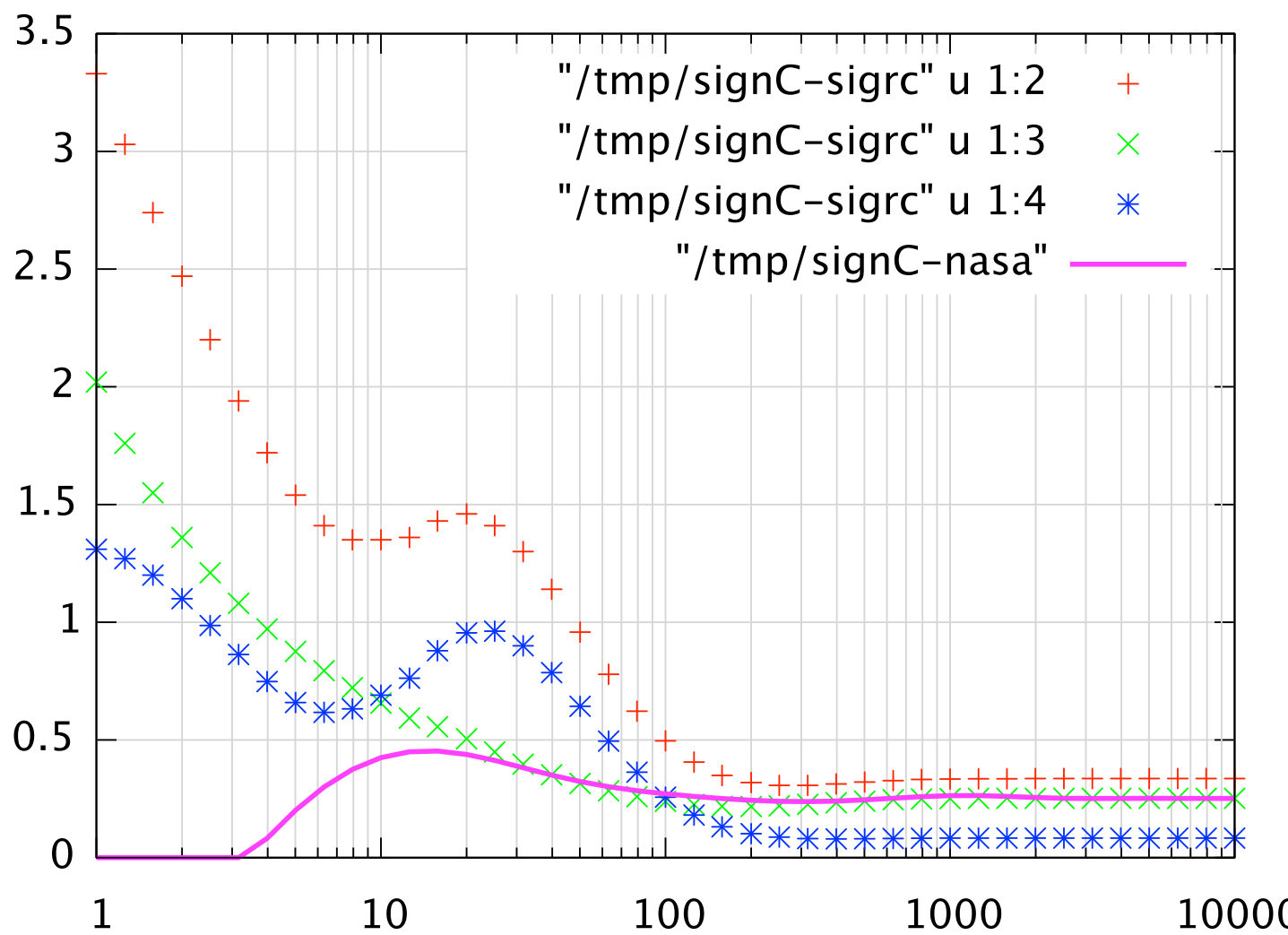
pFe

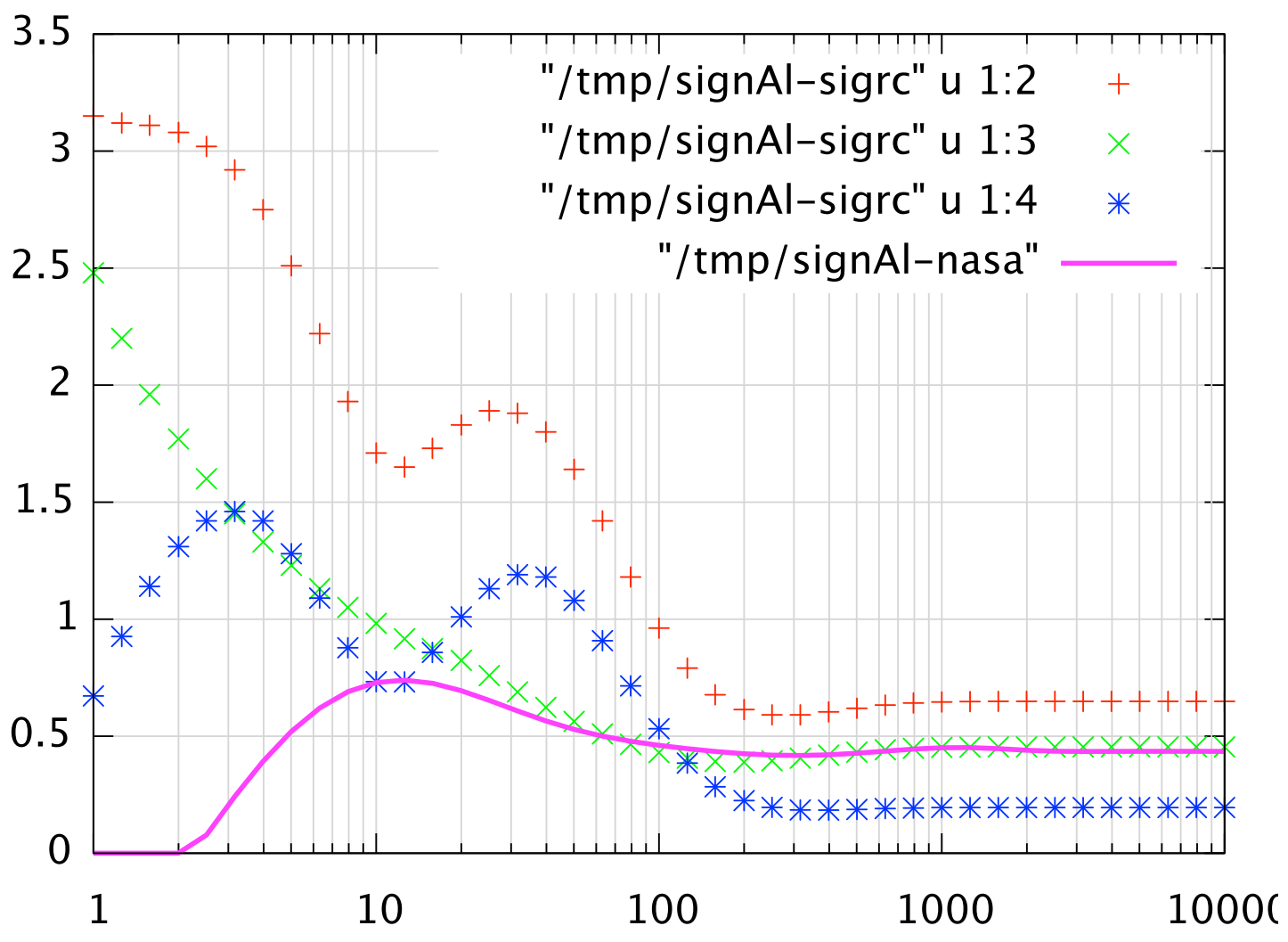


nBe

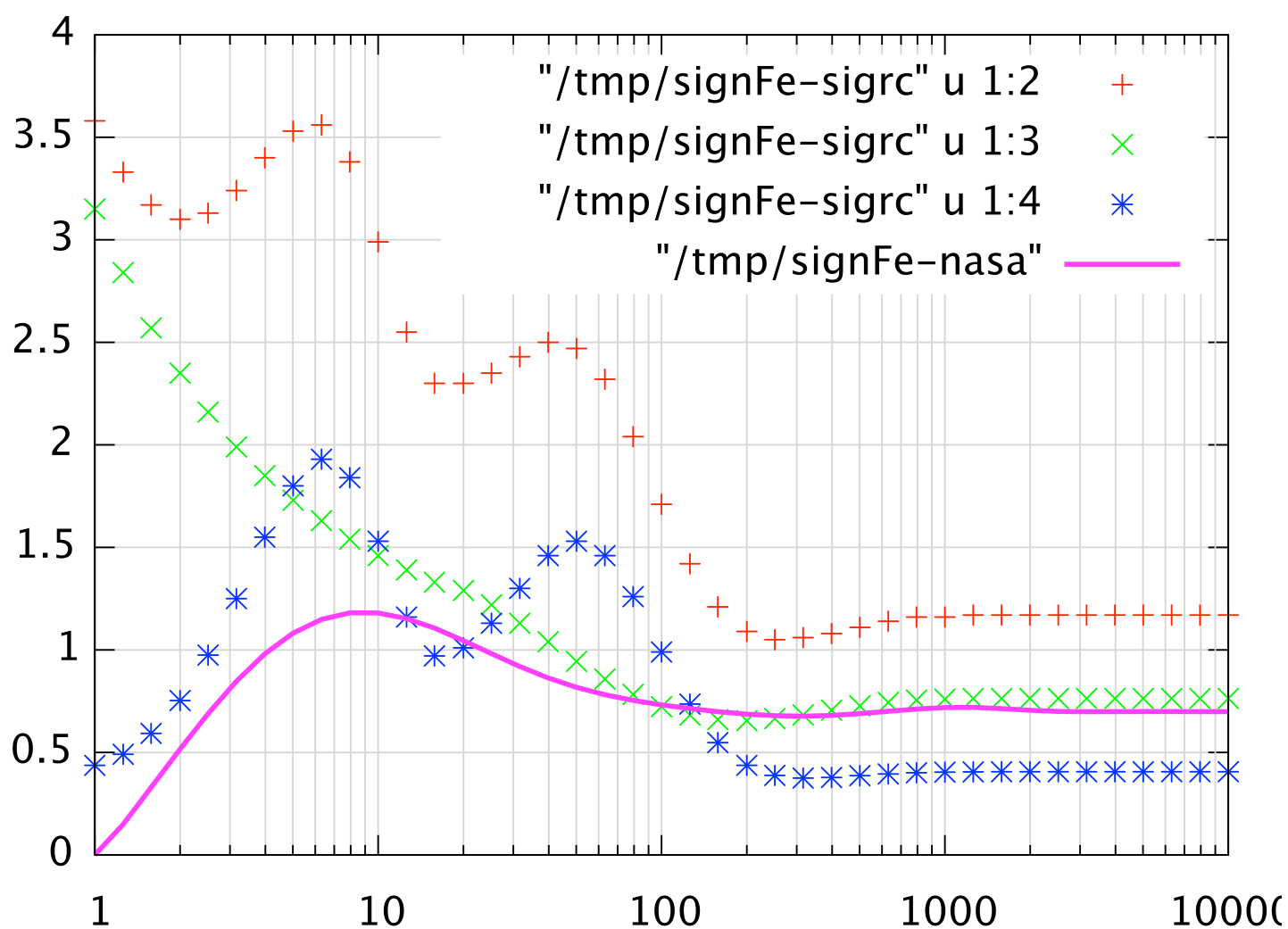


nC

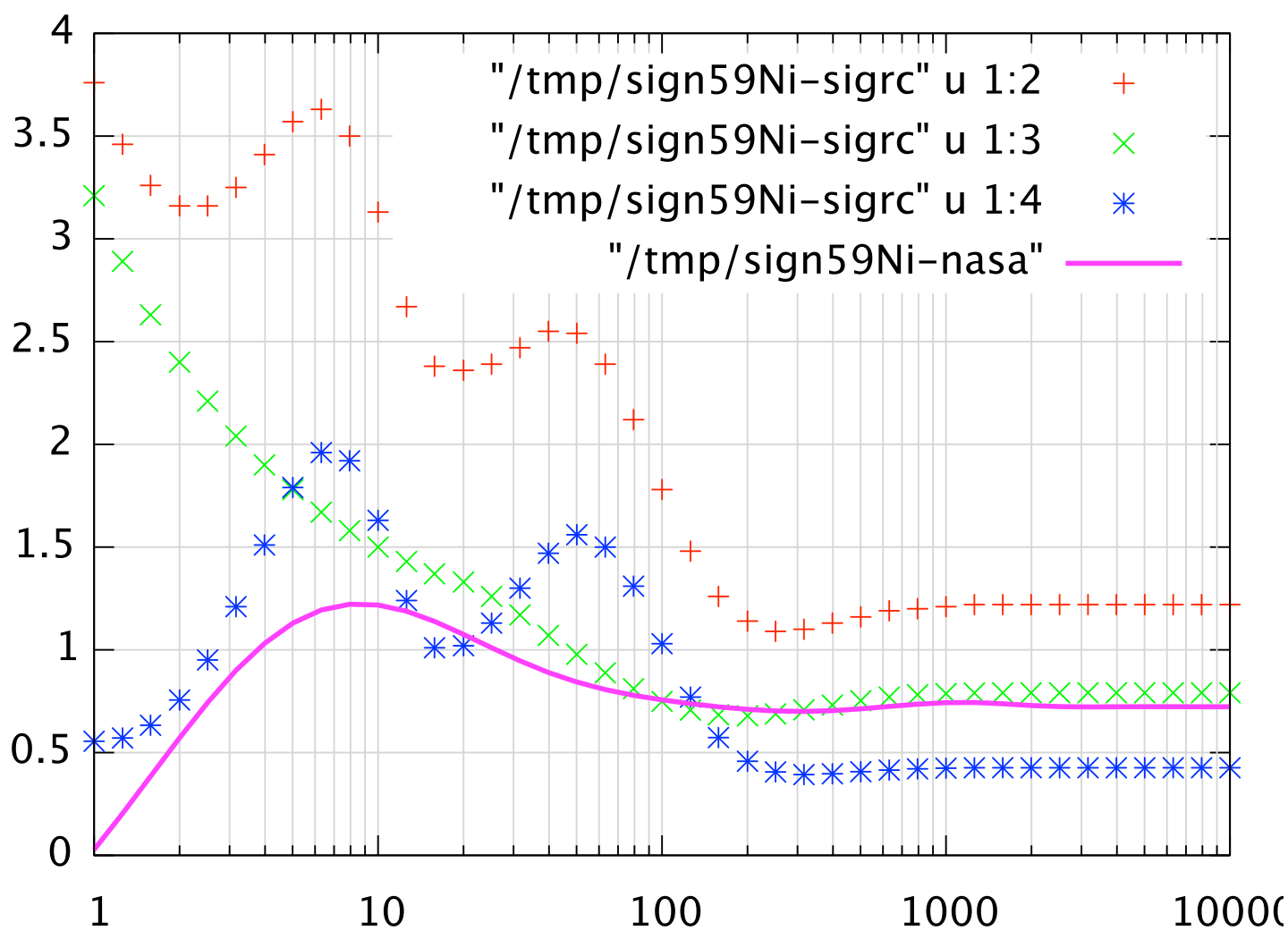




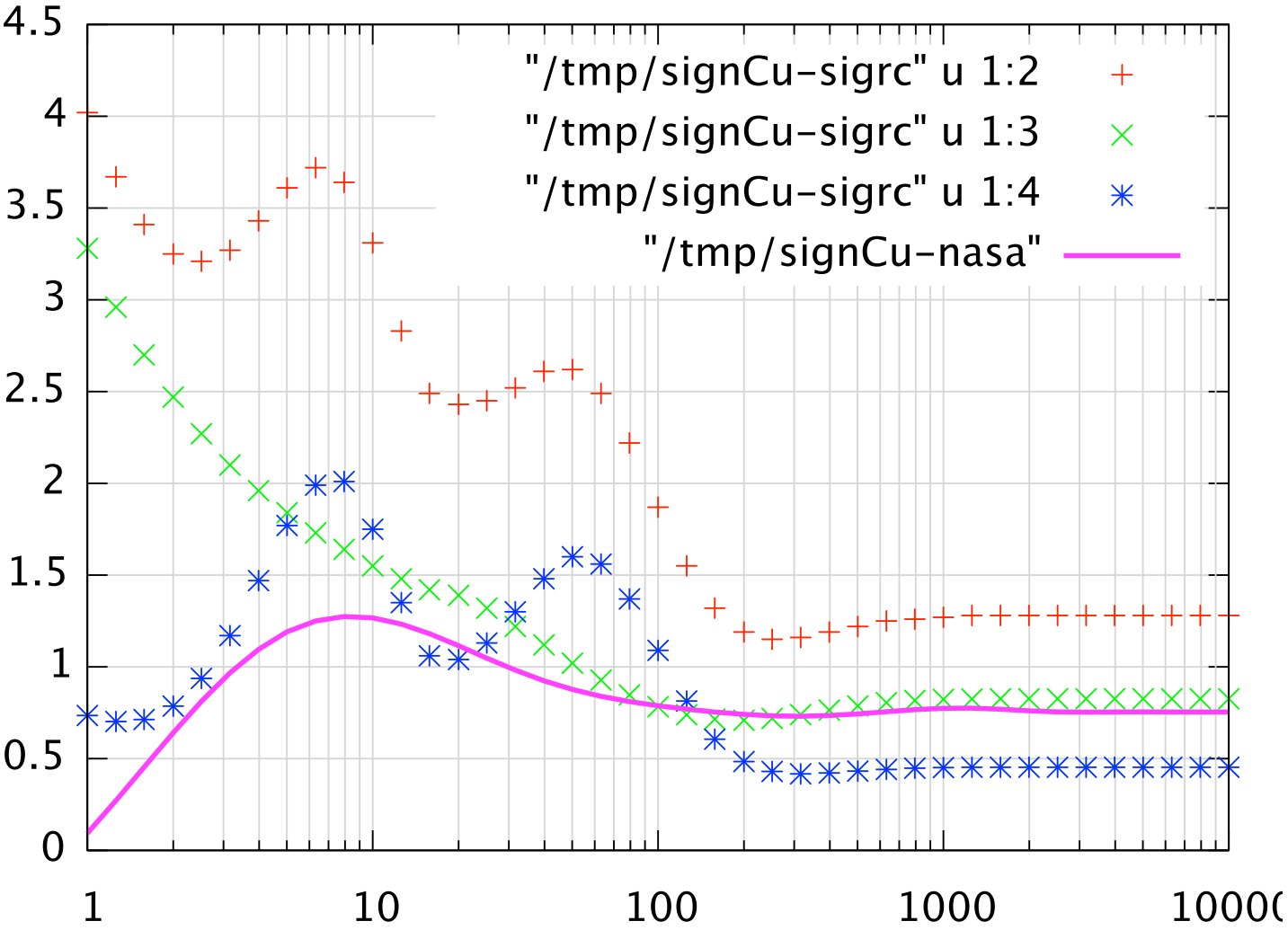
nFe



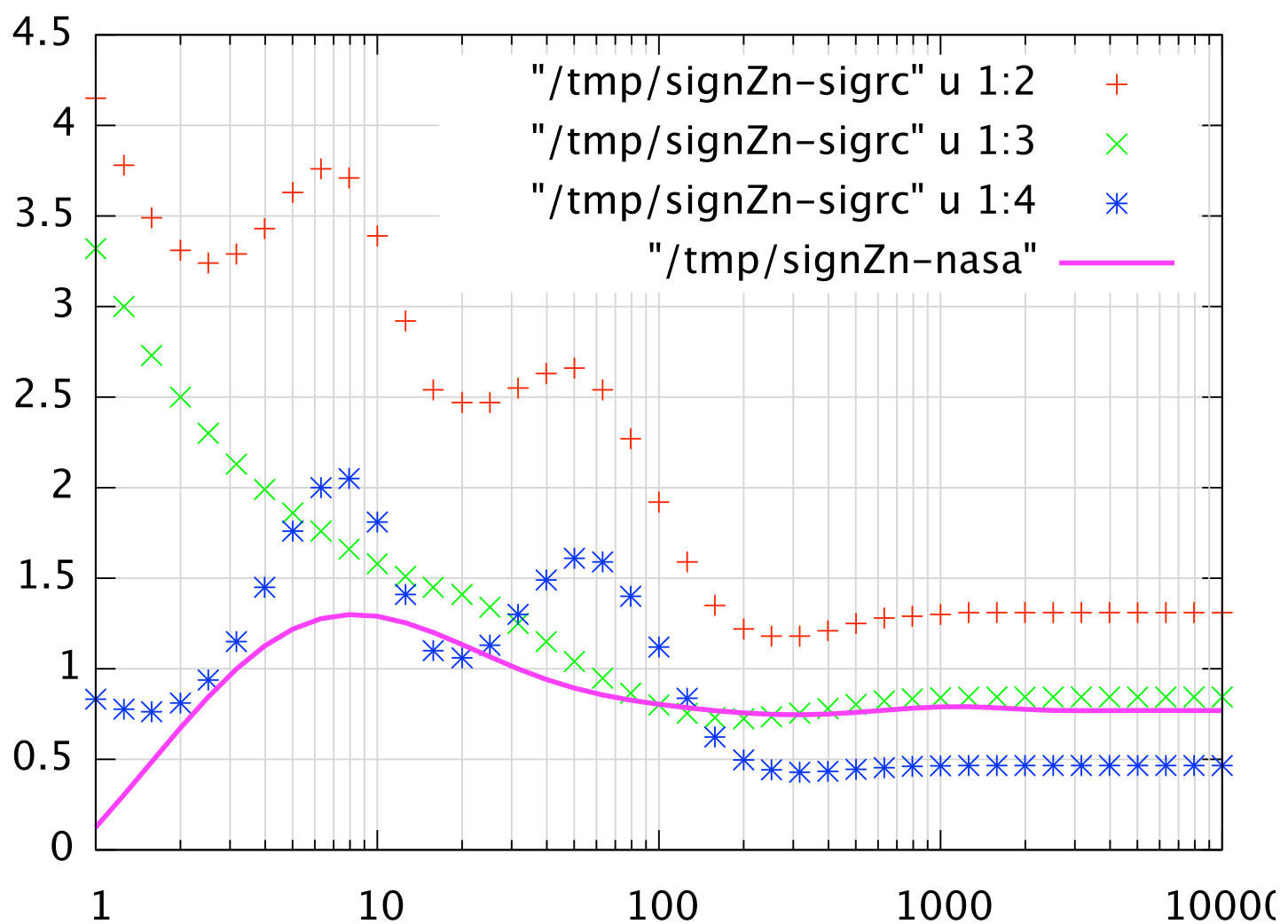
nNi



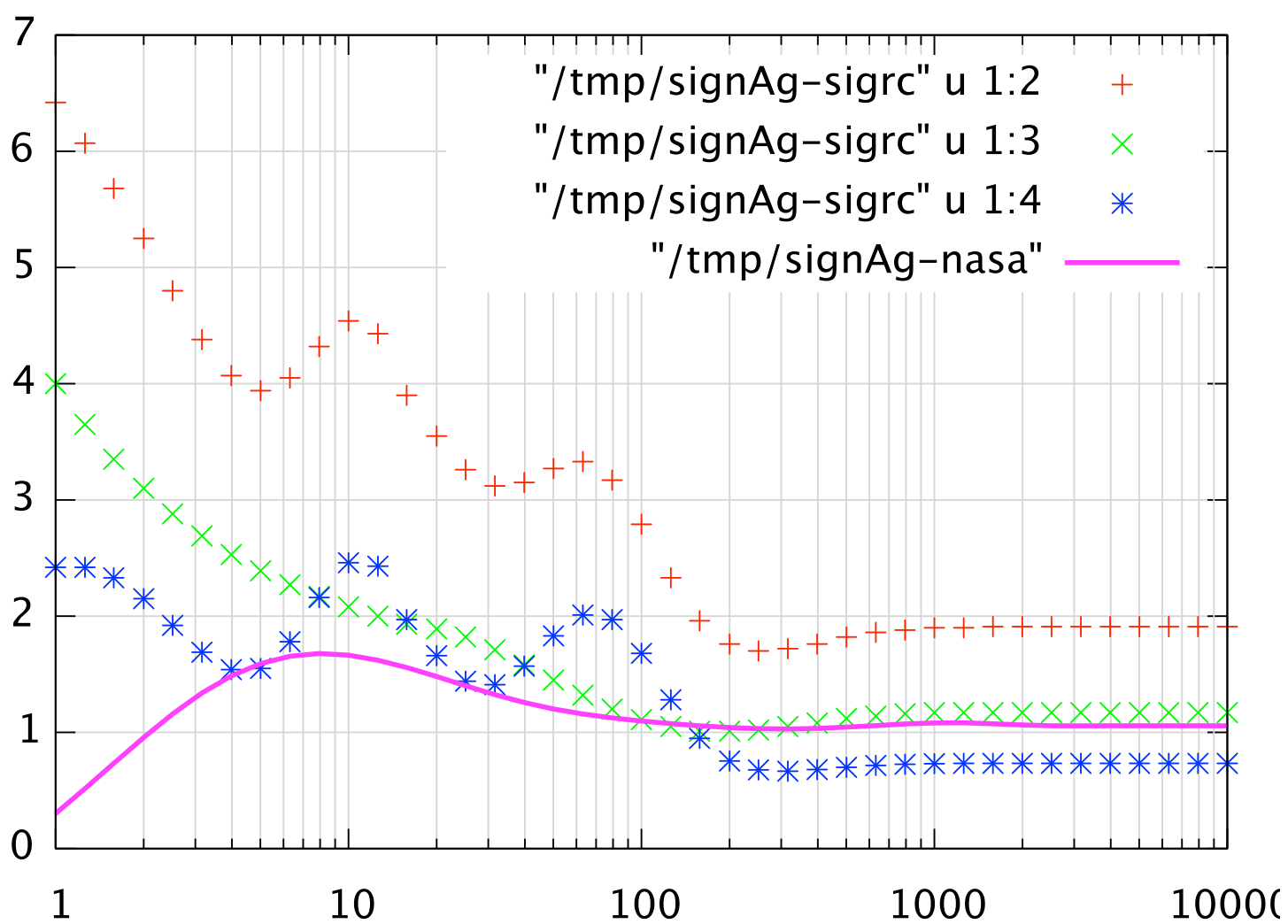
nCu



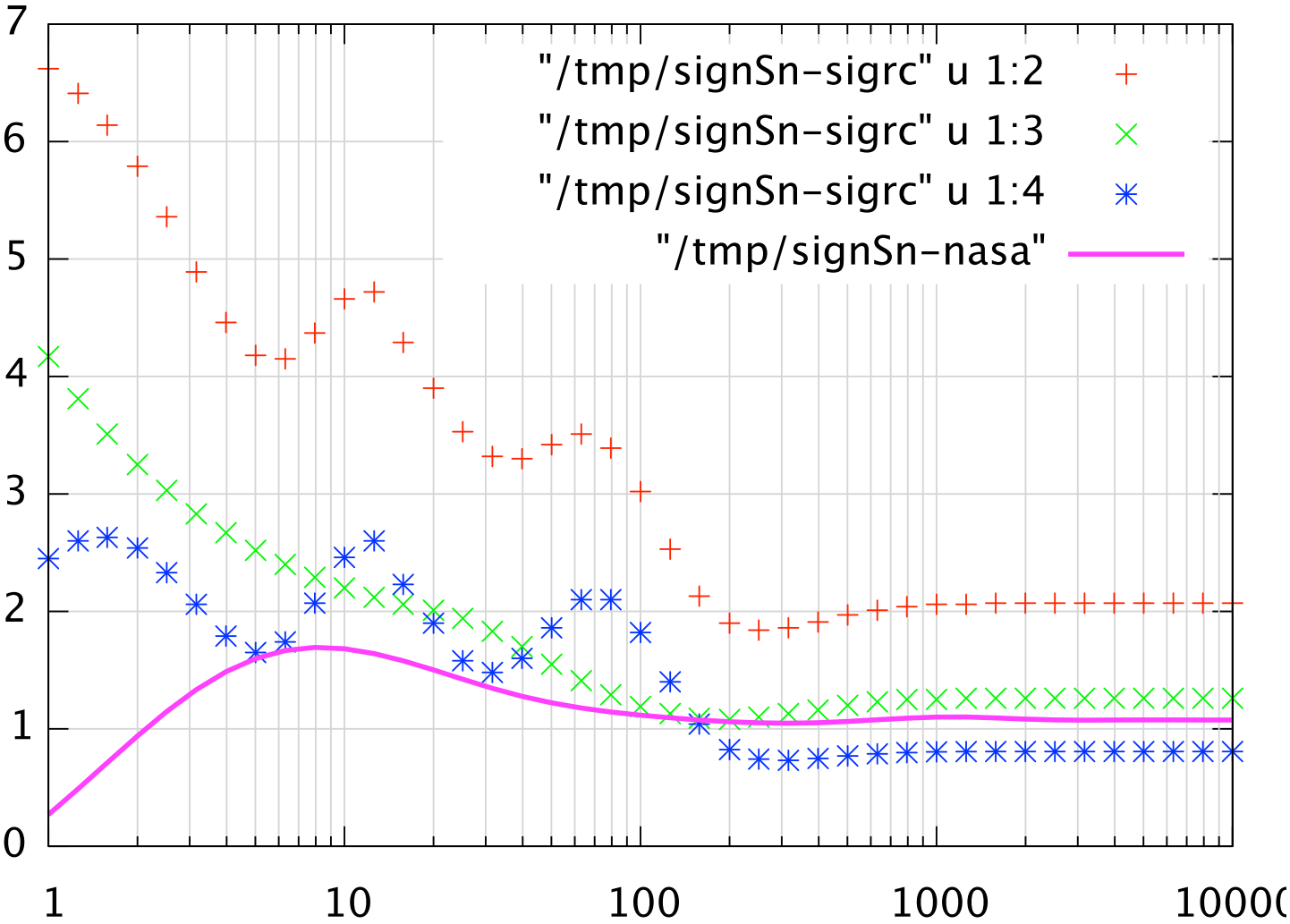
nZn



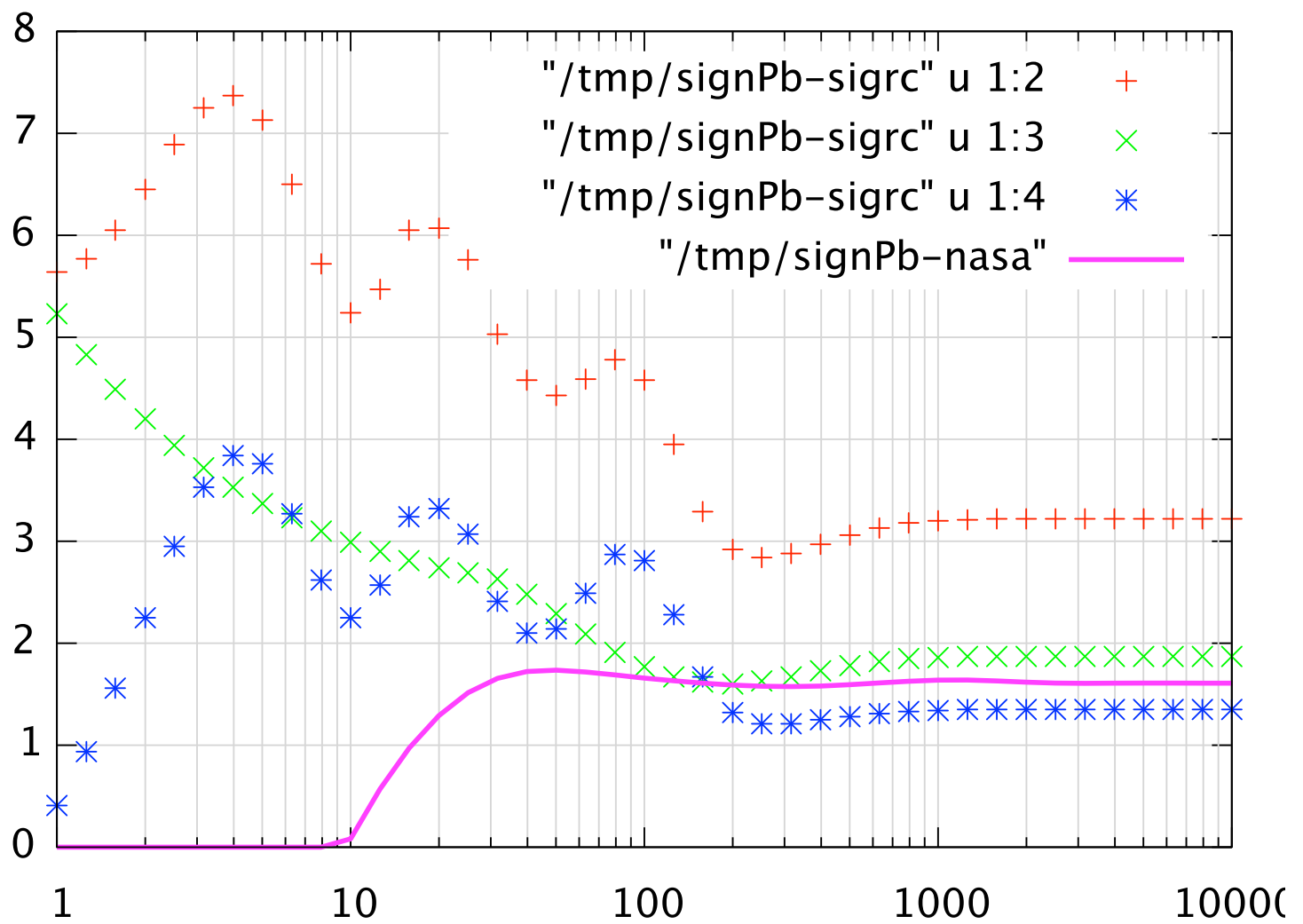
nAg



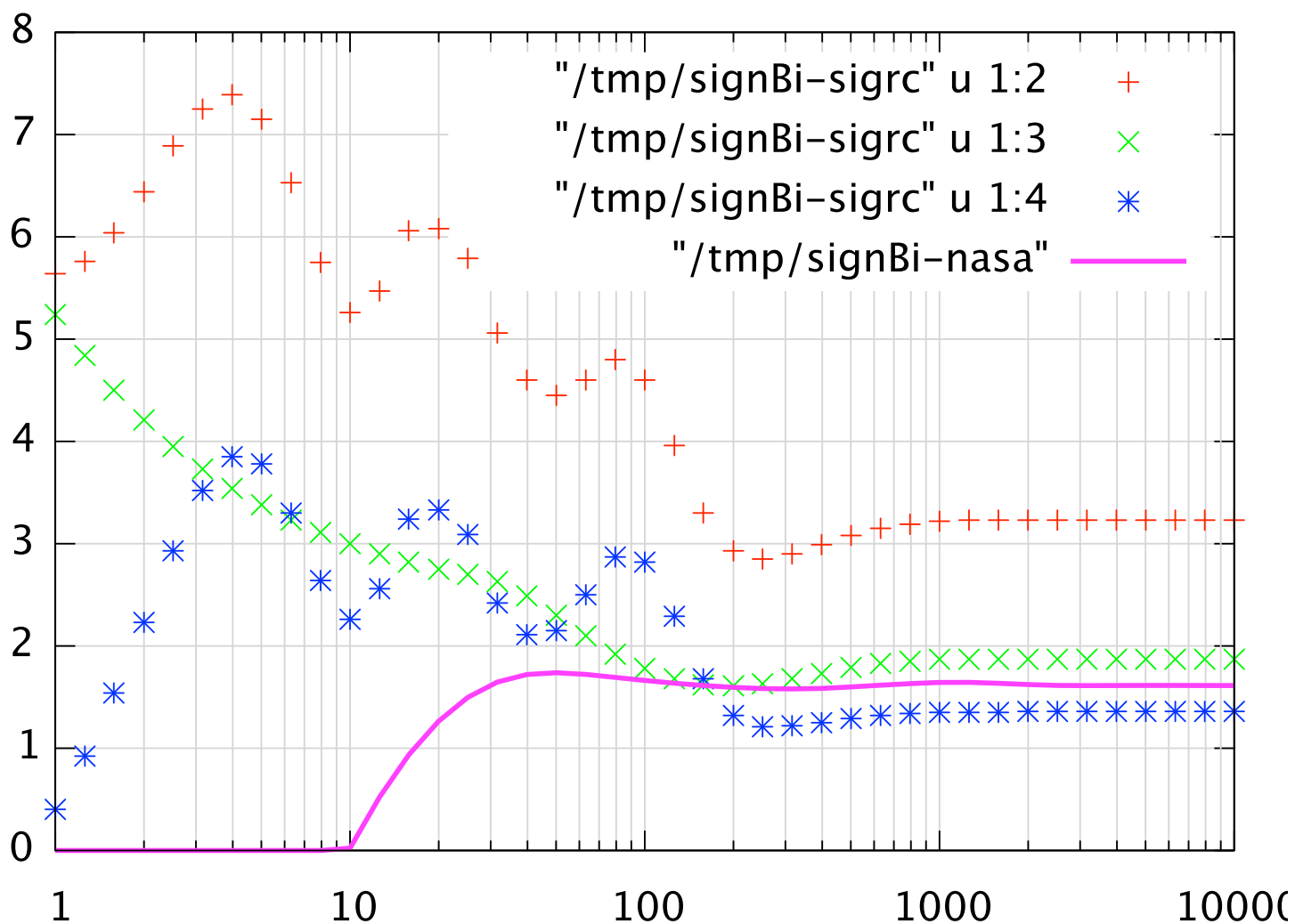
nSn



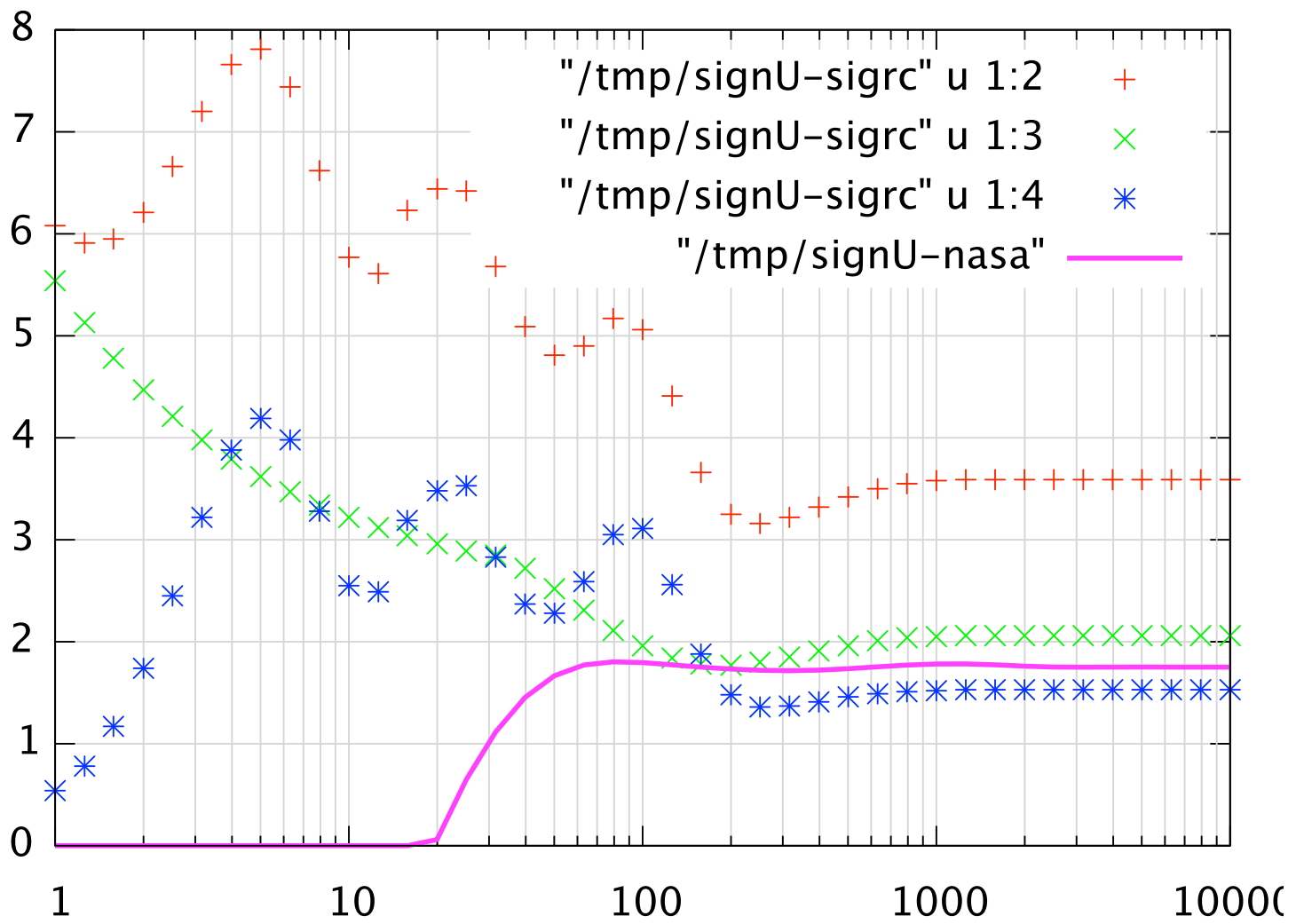
nPb



nBi



nU



check why n-X is wrong: for nC case

(KK)Original nasa PHITSNasa

T1	30	18
Xm	-1.48--> 1.0(E>20)	nearly same
SL	1.6	1.2--2.8(E>100)
S	0.696	//
deltaE	1.75->1.1(>1000)	.175-->-0.75(>1000)
CE	-0.3->0.2	-0.3-> 2
D	0.4->0.195	1.85->2.0
X1	2.482	2.482

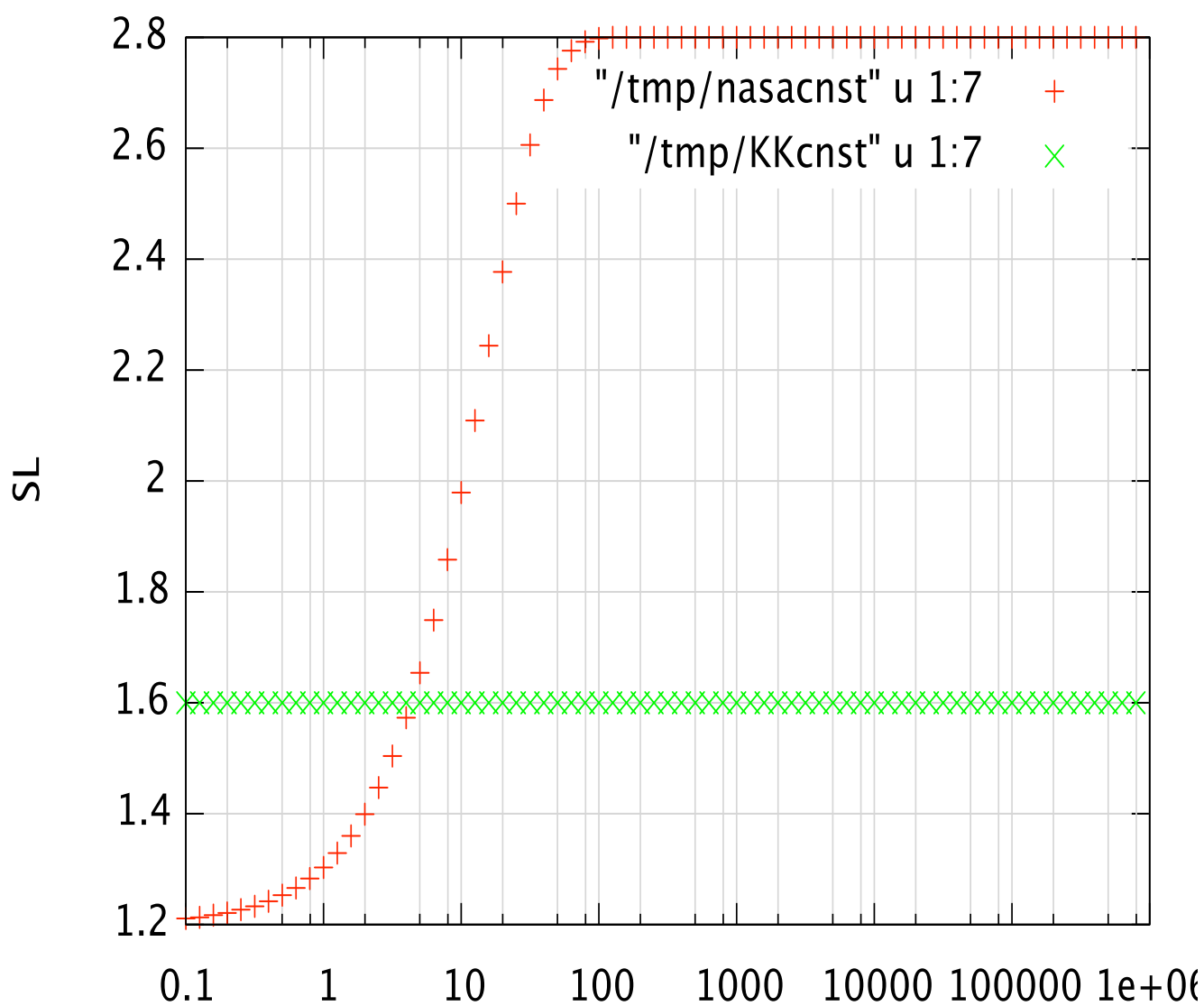
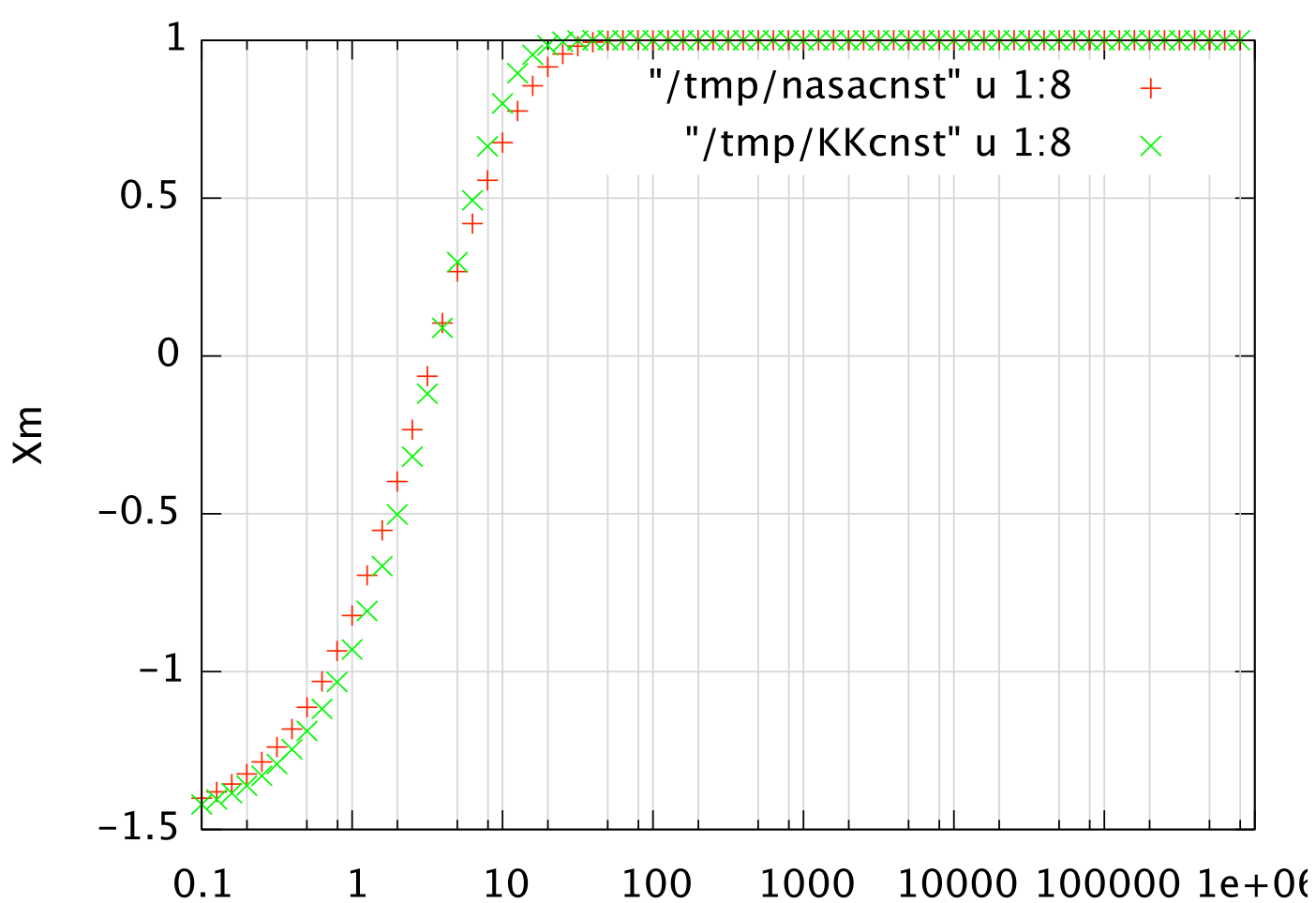
E-> big

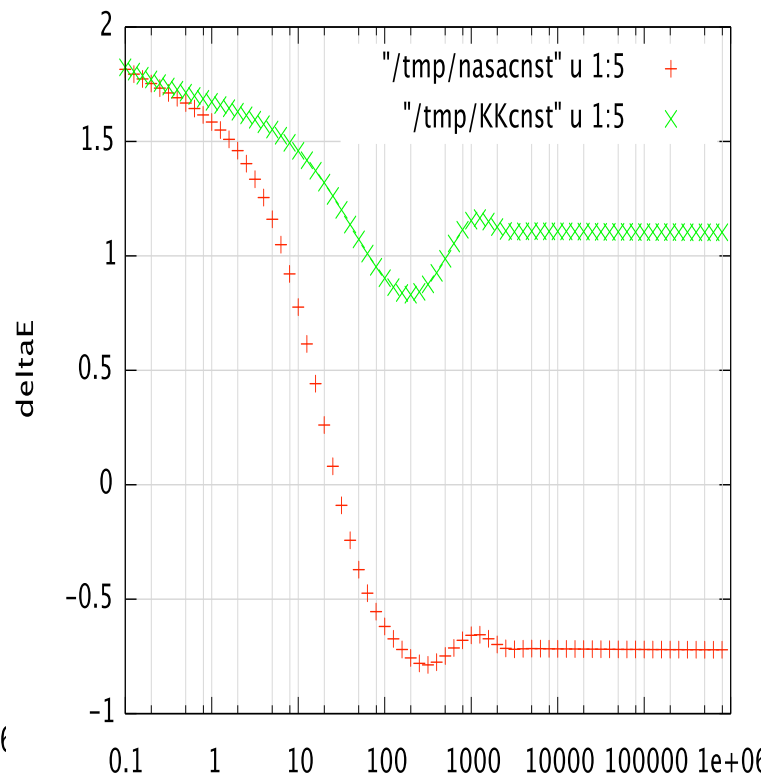
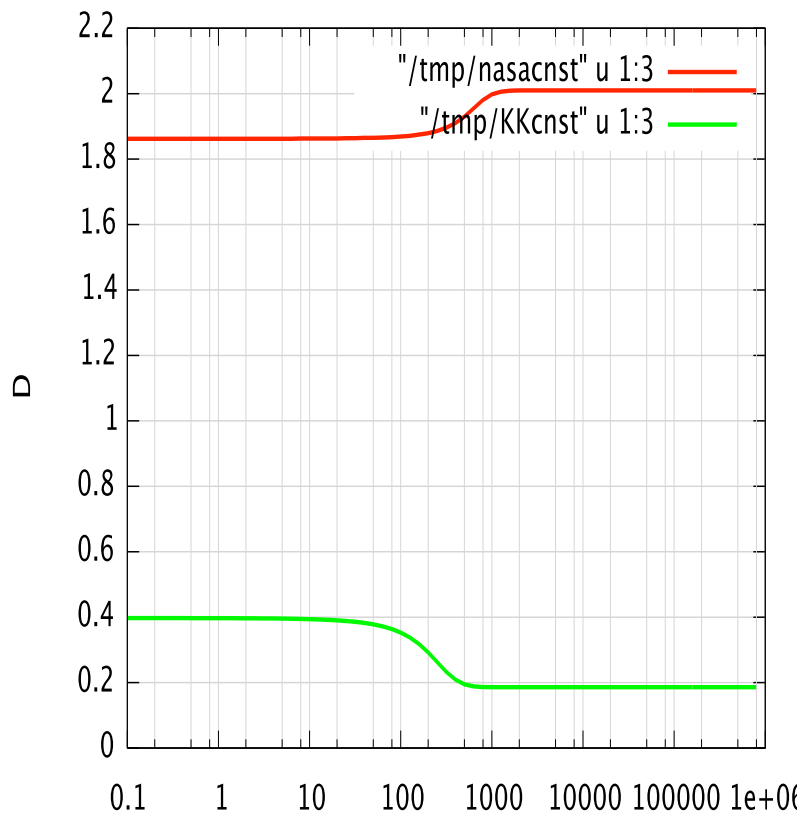
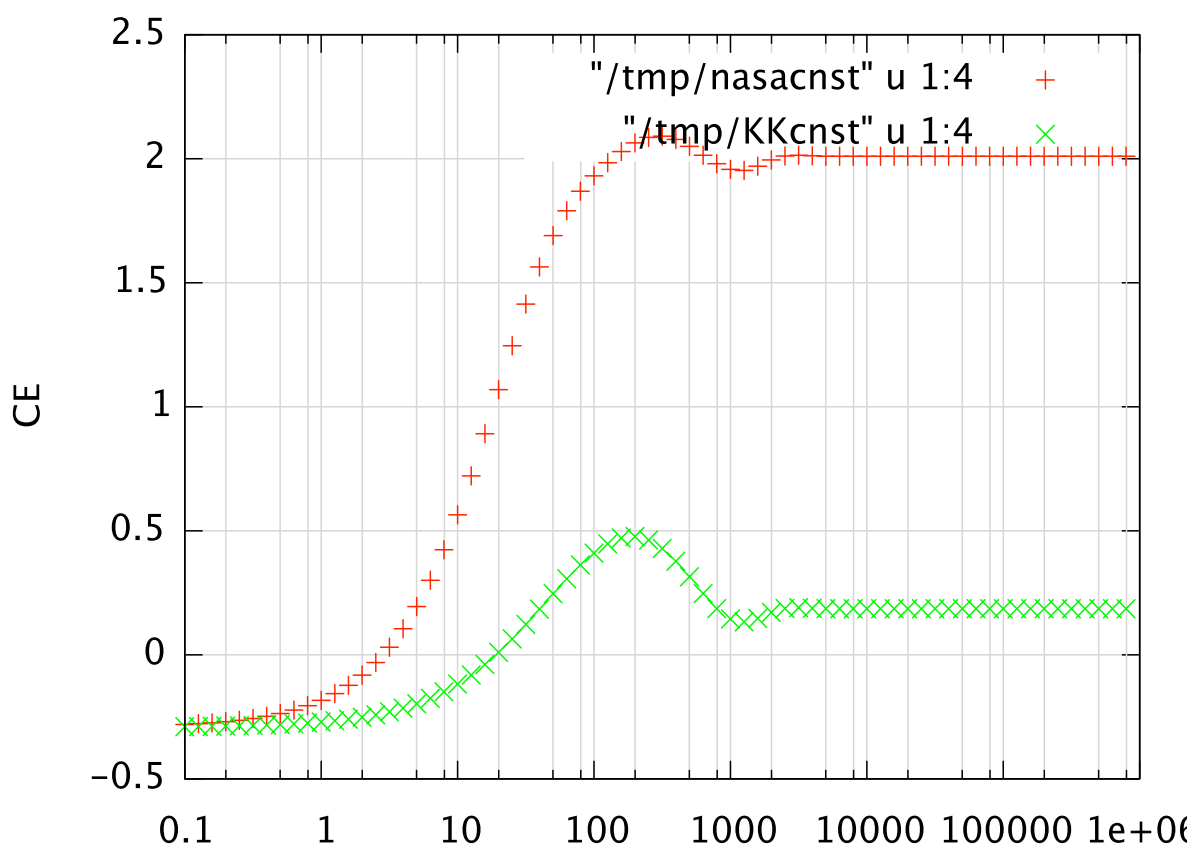
deltaE --> negative

CE-->big

D--> big T1->small

for D->big





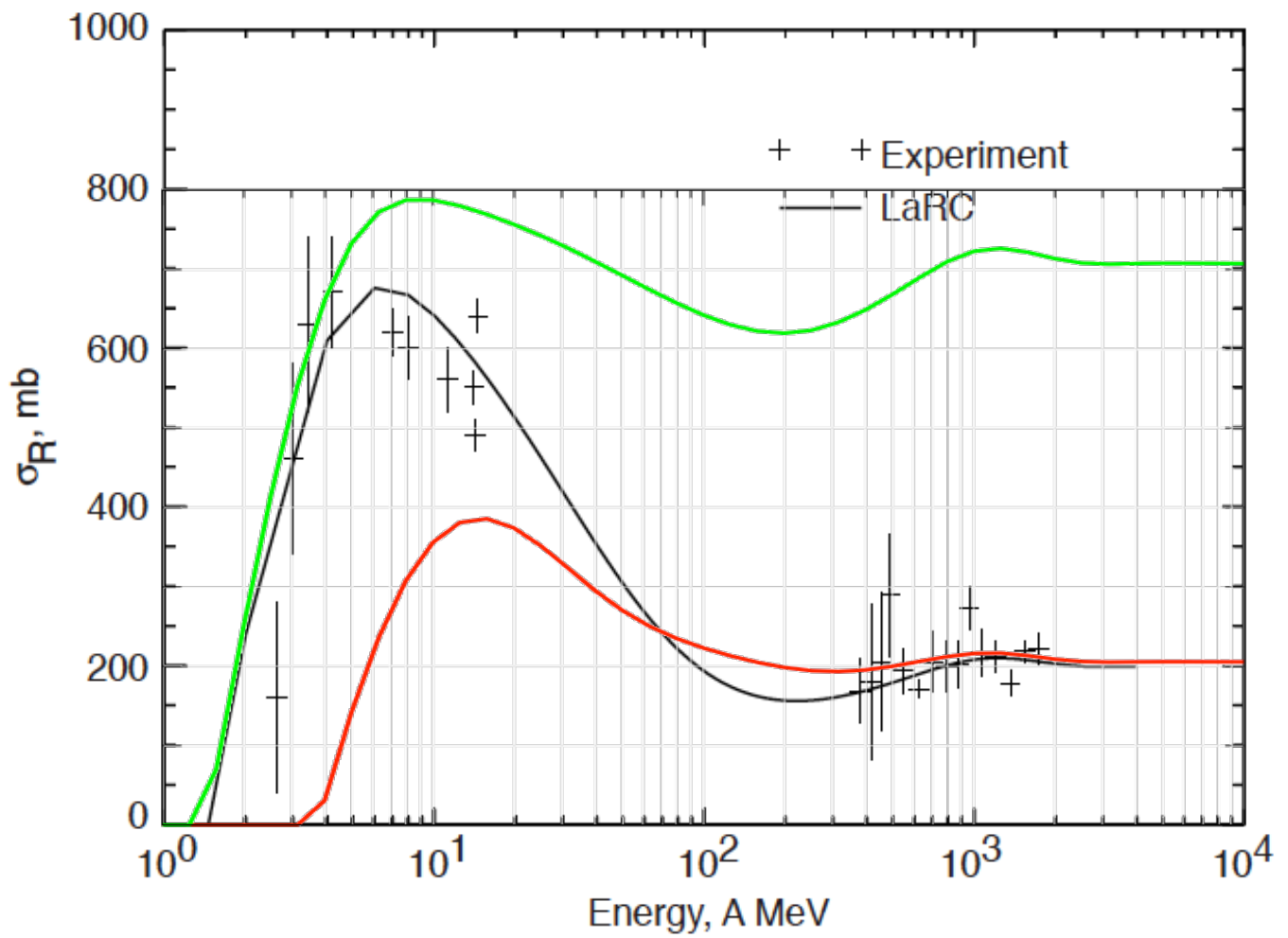


Figure 1. Total absorption cross sections for $n + {}^9_4\text{Be}$ as a function of neutron energy.

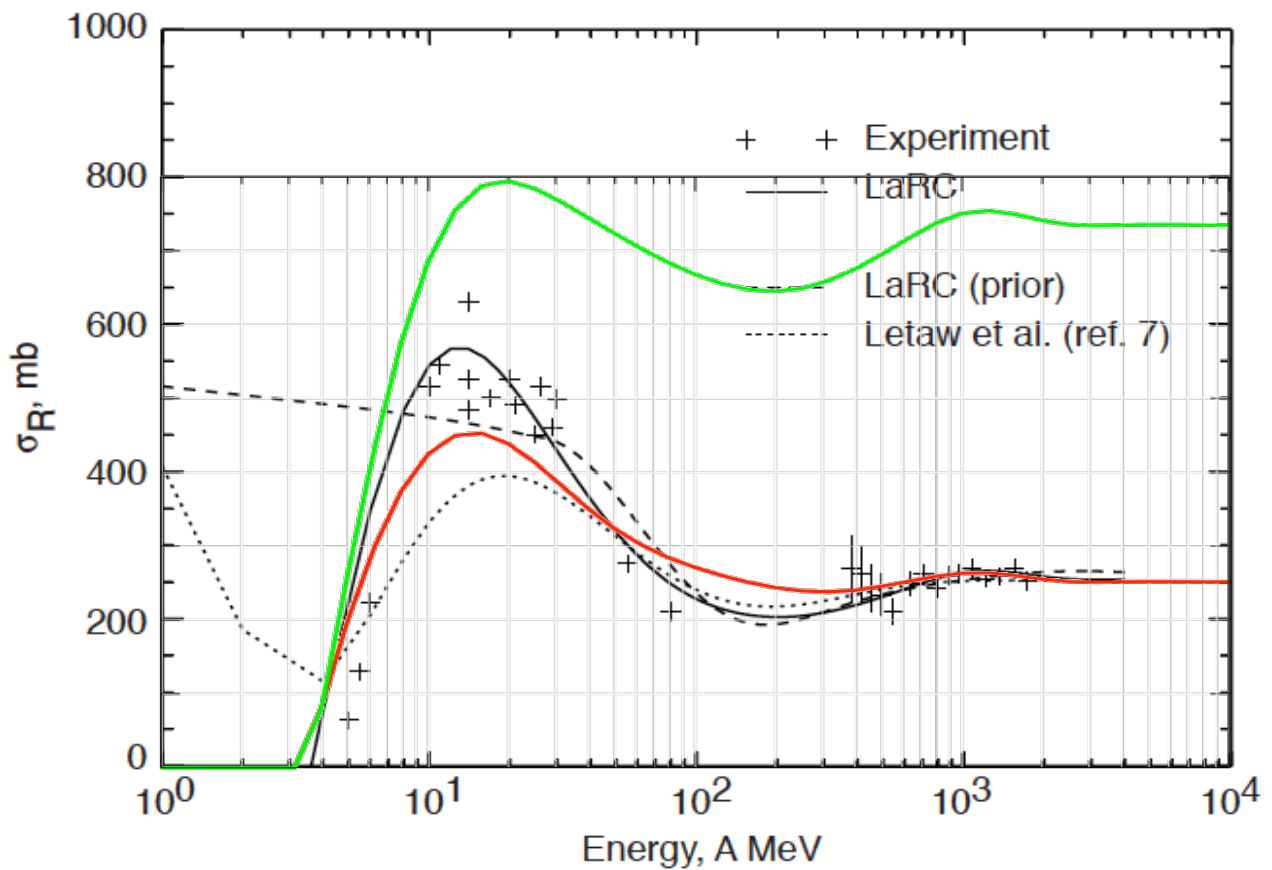


Figure 2. Total absorption cross sections for $n + {}^{12}_6\text{C}$ as a function of neutron energy.

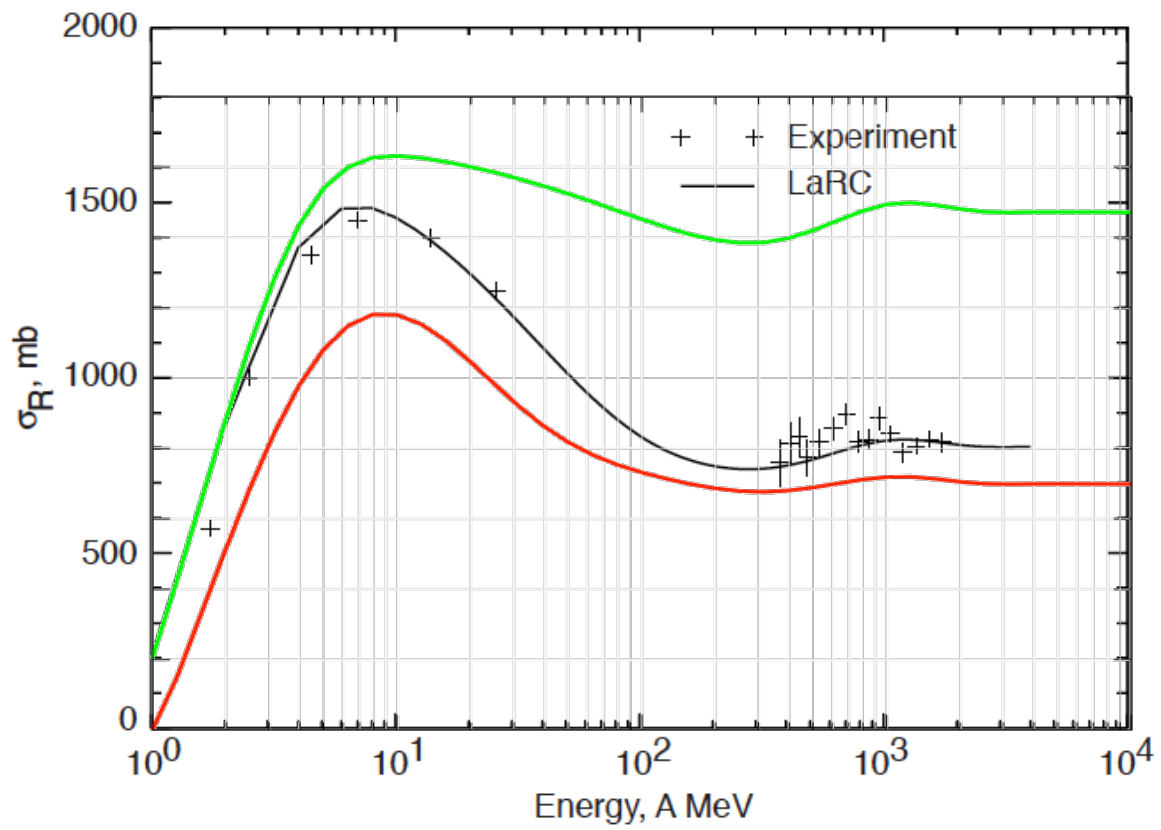


Figure 4. Total absorption cross sections for $n + {}^{56}\text{Fe}$ as a function of neutron energy

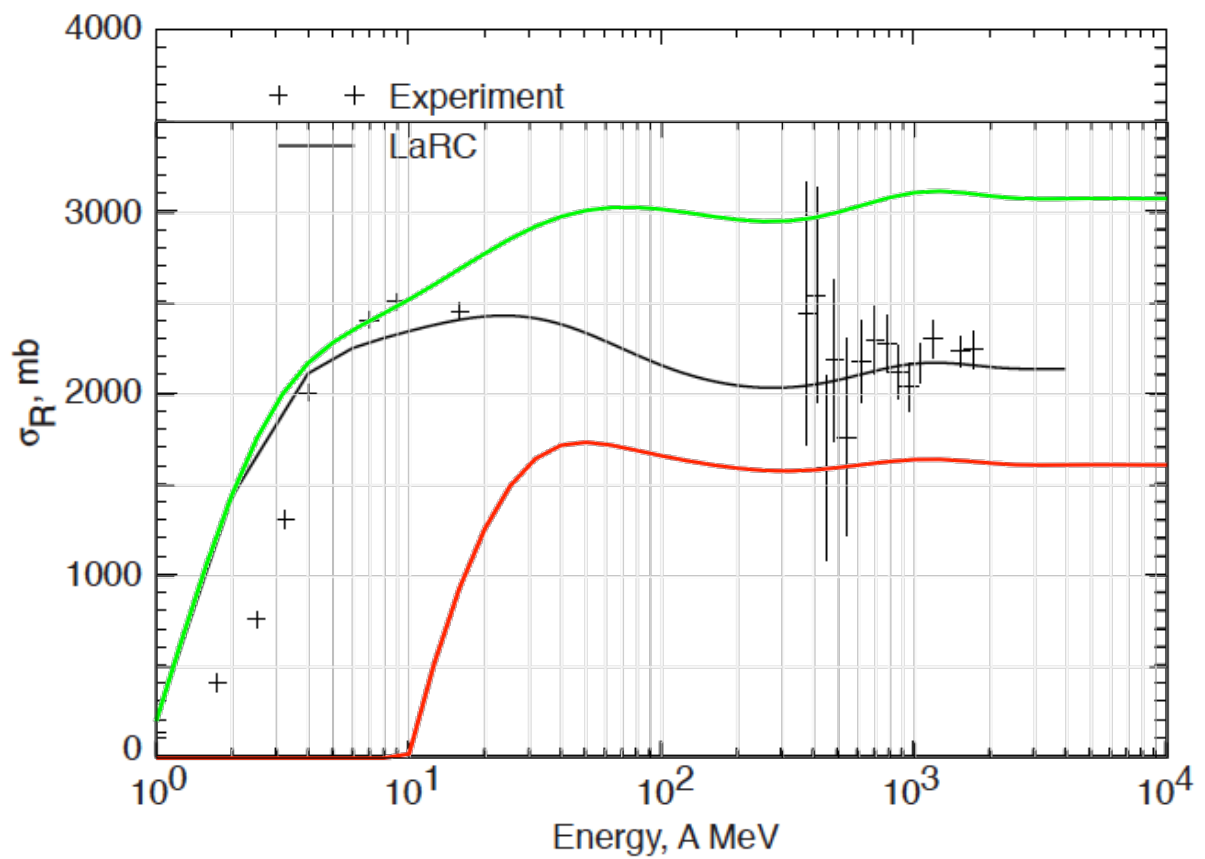


Figure 11. Total absorption cross sections for $n + {}^{209}\text{Bi}$ as a function of neutron energy

