

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

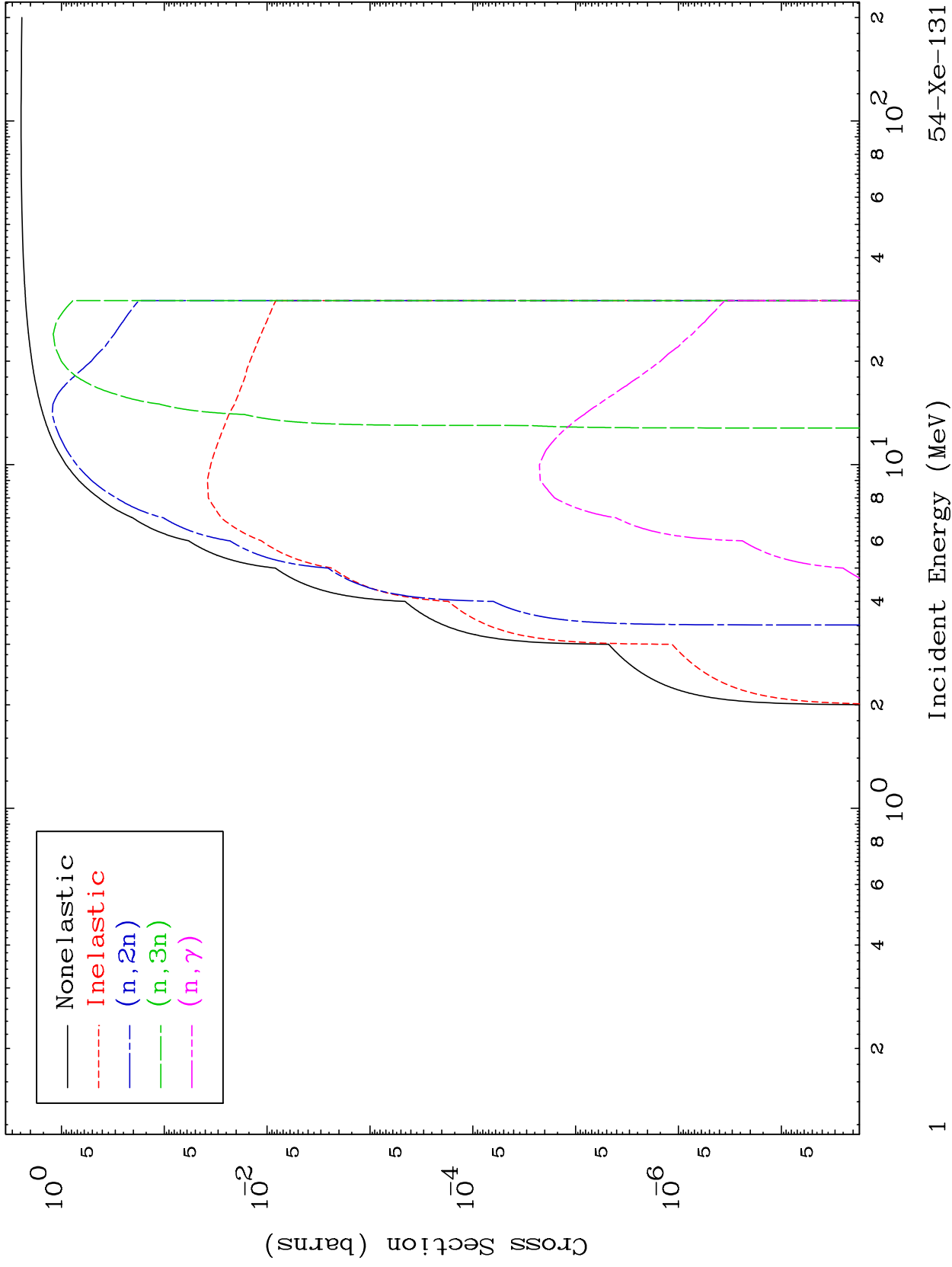
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Web:redcullen1.net/HOMEPAGE.NEW

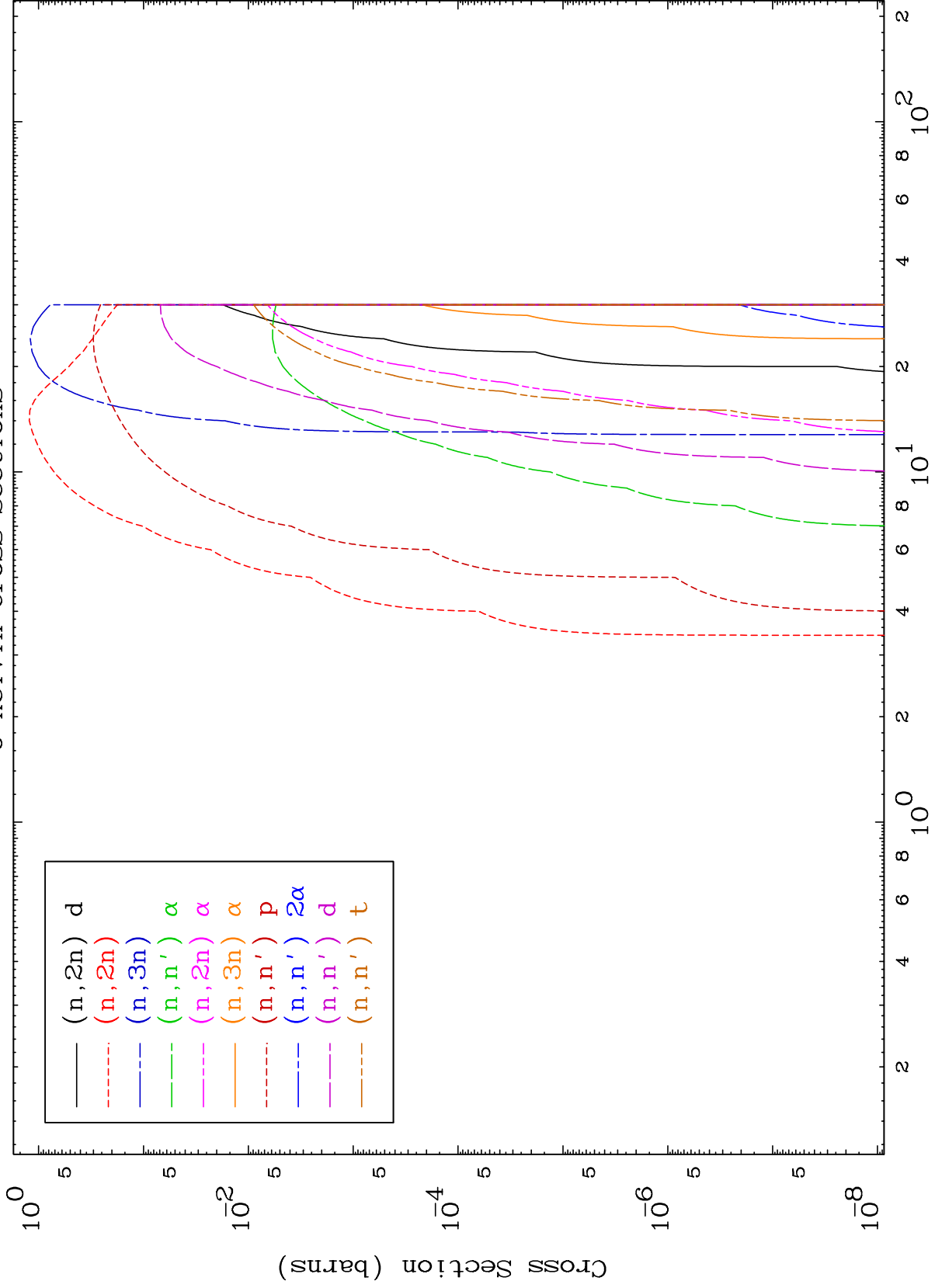
Press Mouse Button to Start

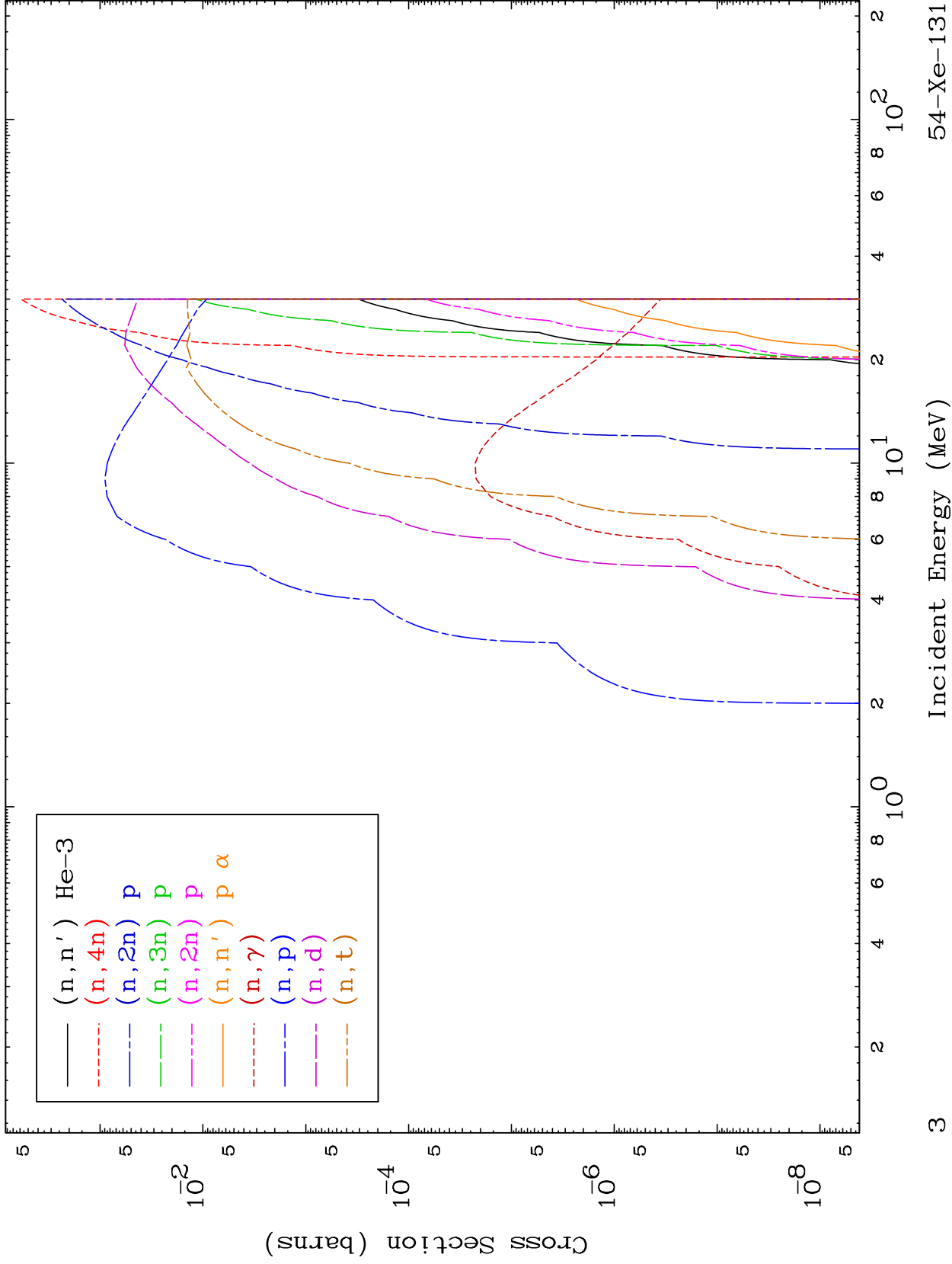


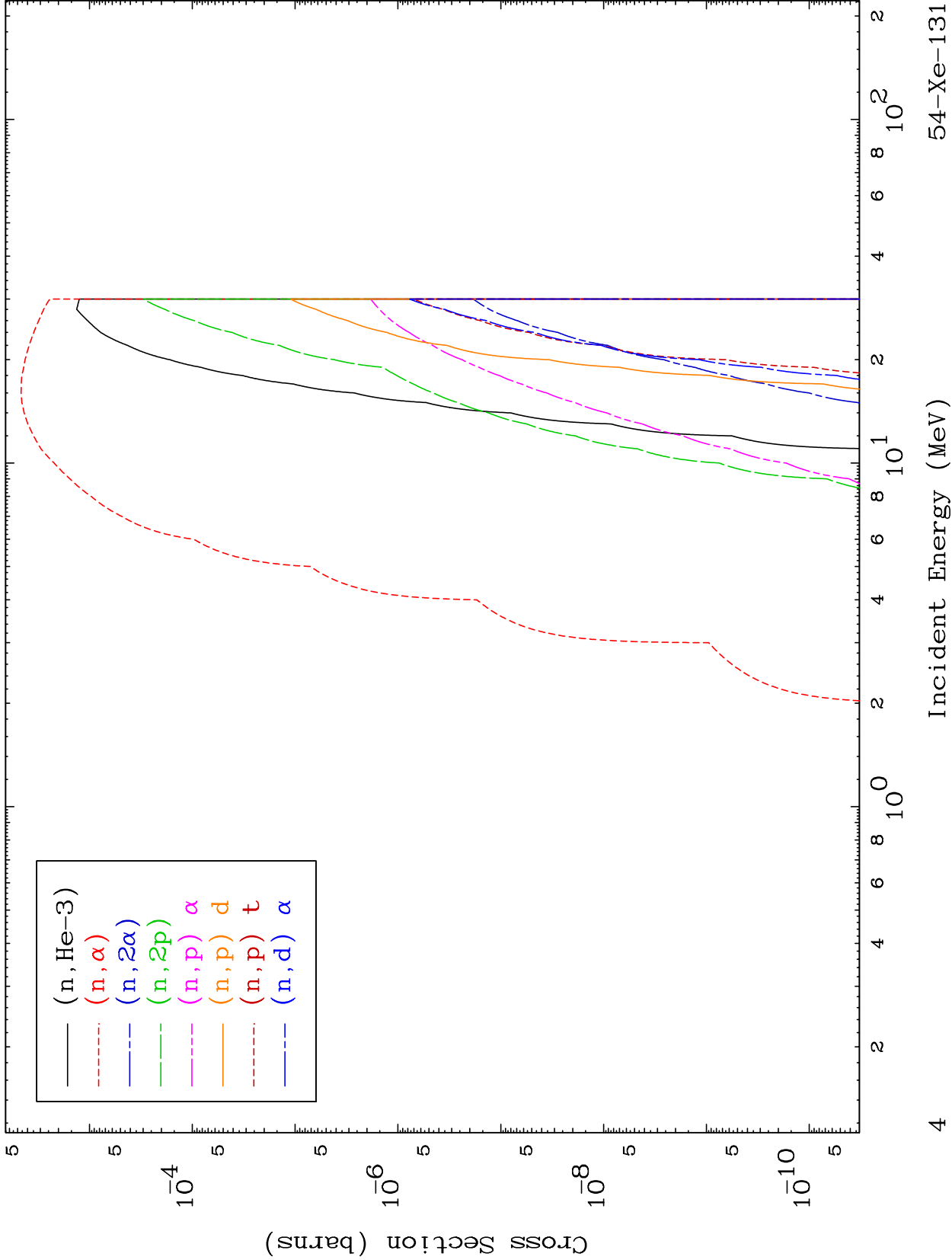
MAT 5446

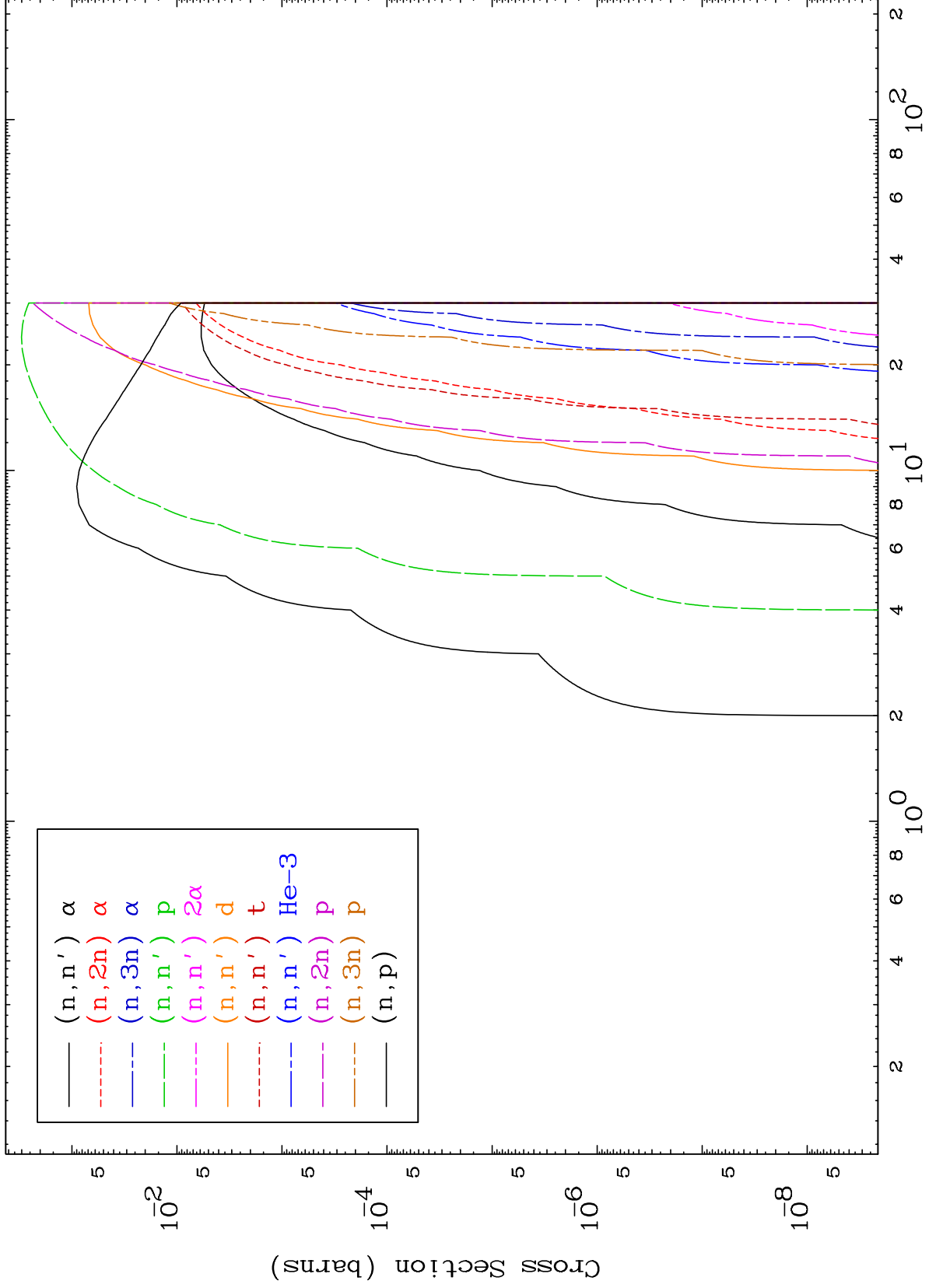
Deuteron Neutron Absorption  
0 Kelvin Cross Sections

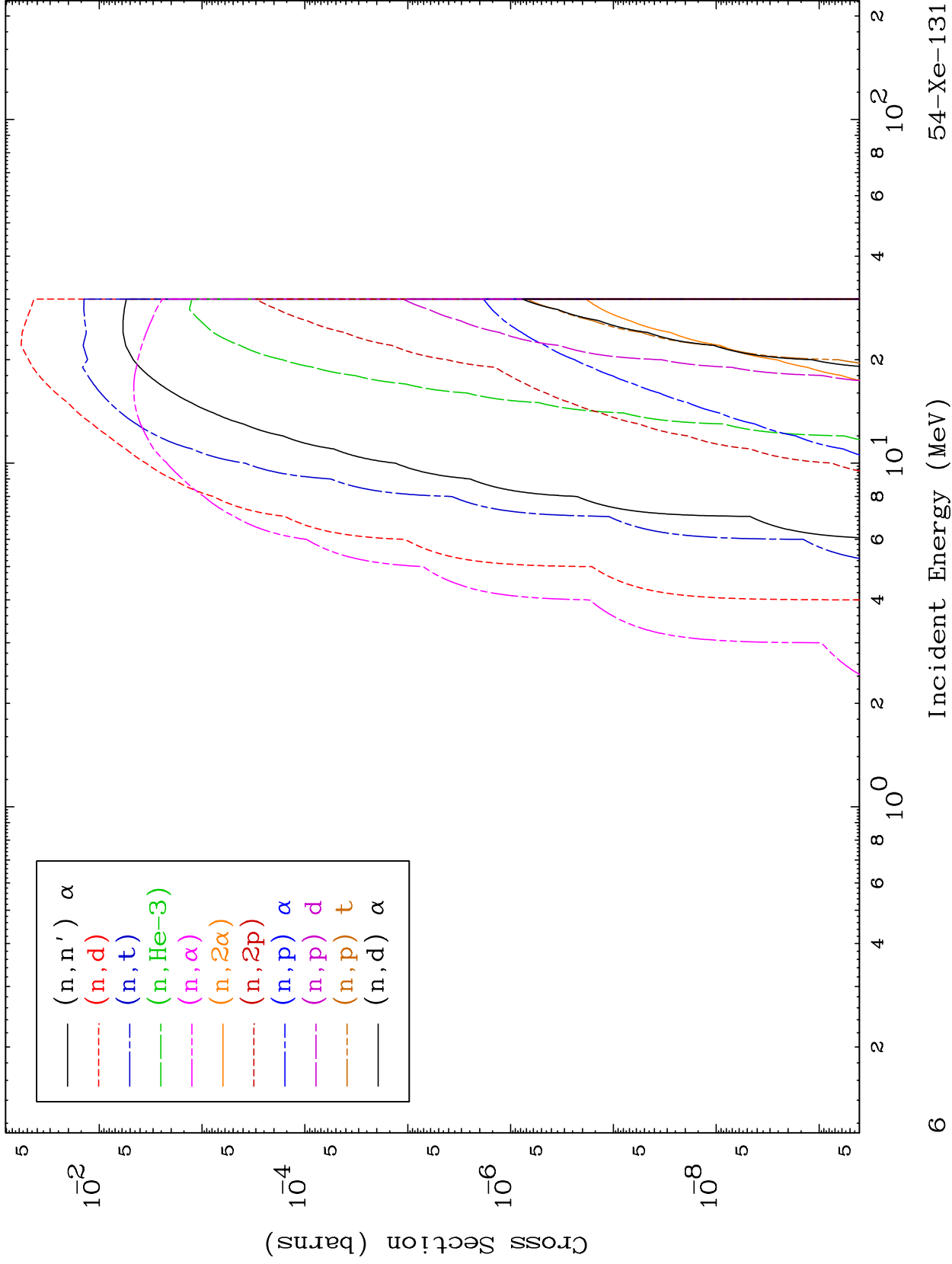
54-Xe-131







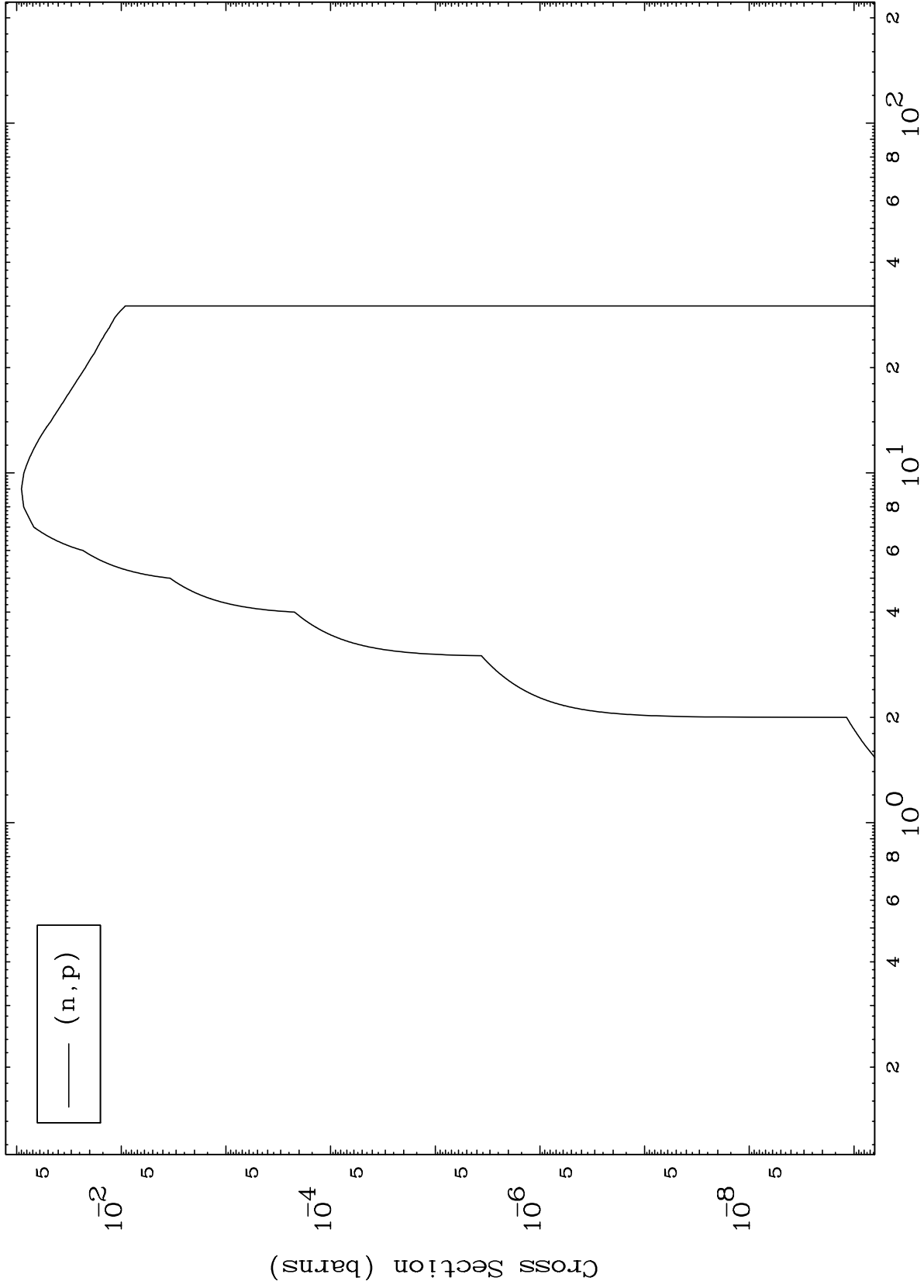




MAT 5446

54-Xe-131

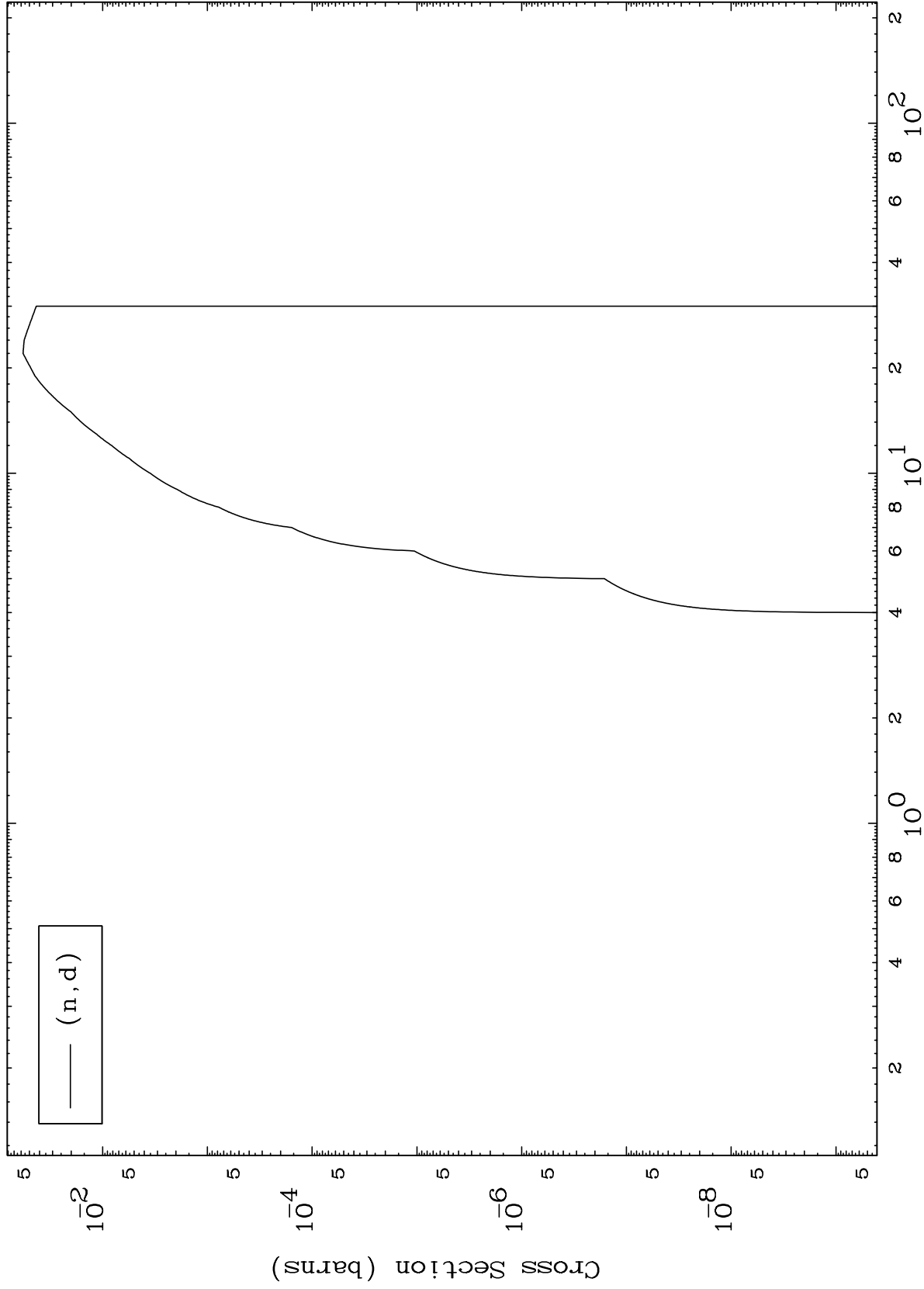
(d,p) Levels  
0 Kelvin Cross Sections



MAT 5446

54-Xe-131

(d,d) Levels  
0 Kelvin Cross Sections



8

54-Xe-131

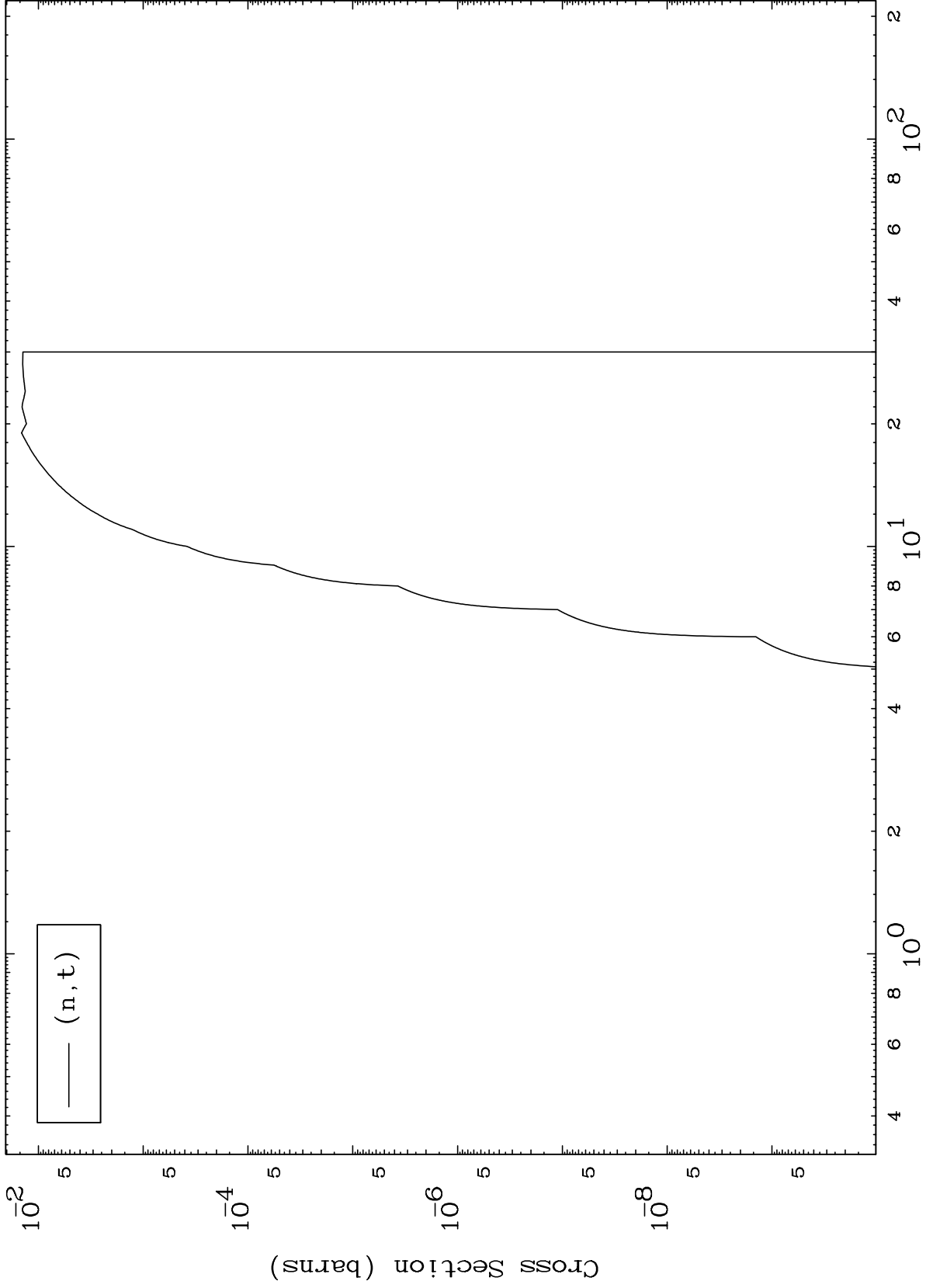
Incident Energy (MeV)

MAT 5446

(d, t) Levels

54-Xe-131

0 Kelvin Cross Sections



9

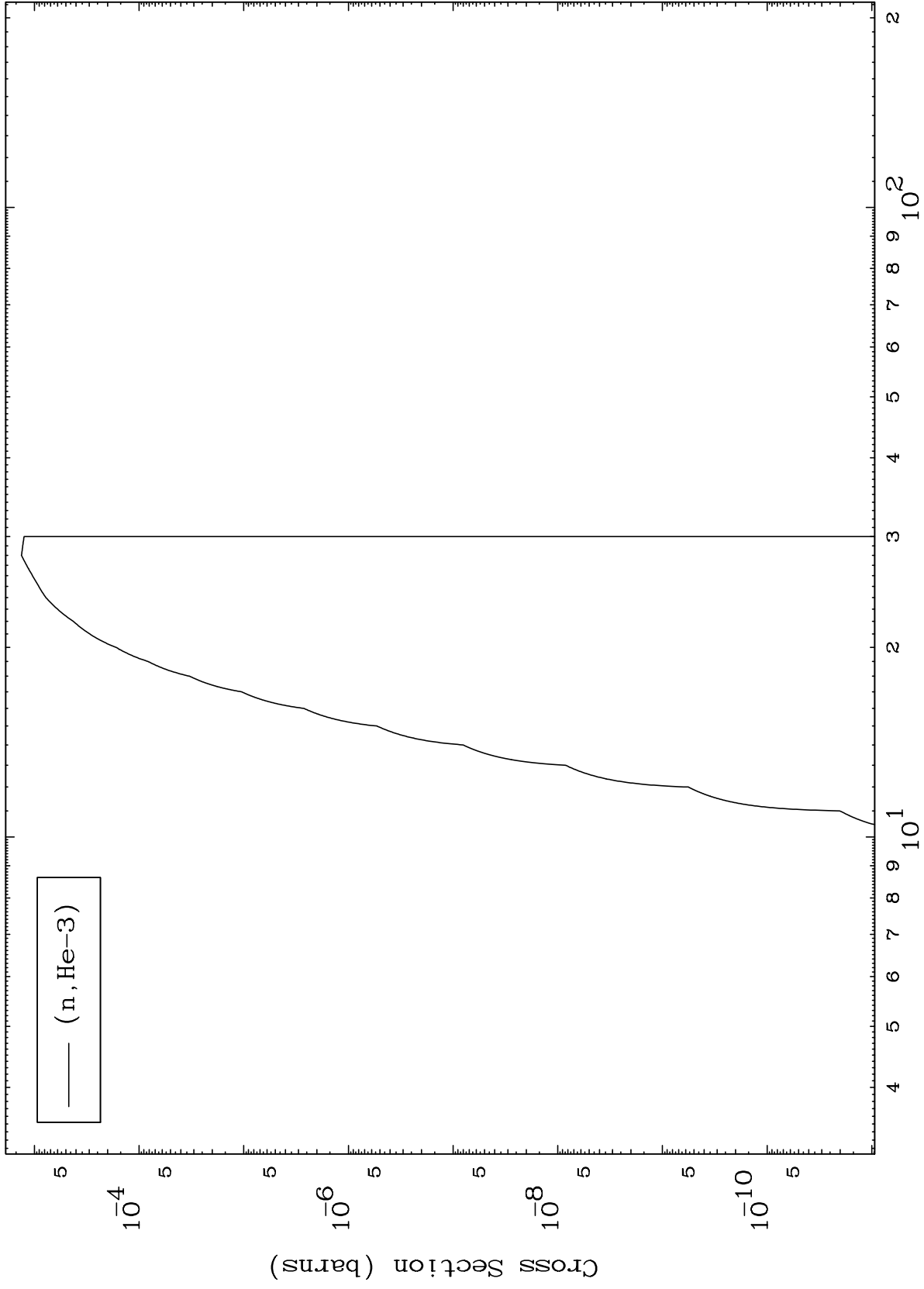
Incident Energy (MeV)

54-Xe-131

MAT 5446

54-Xe-131

(d,He3) Levels  
0 Kelvin Cross Sections



10

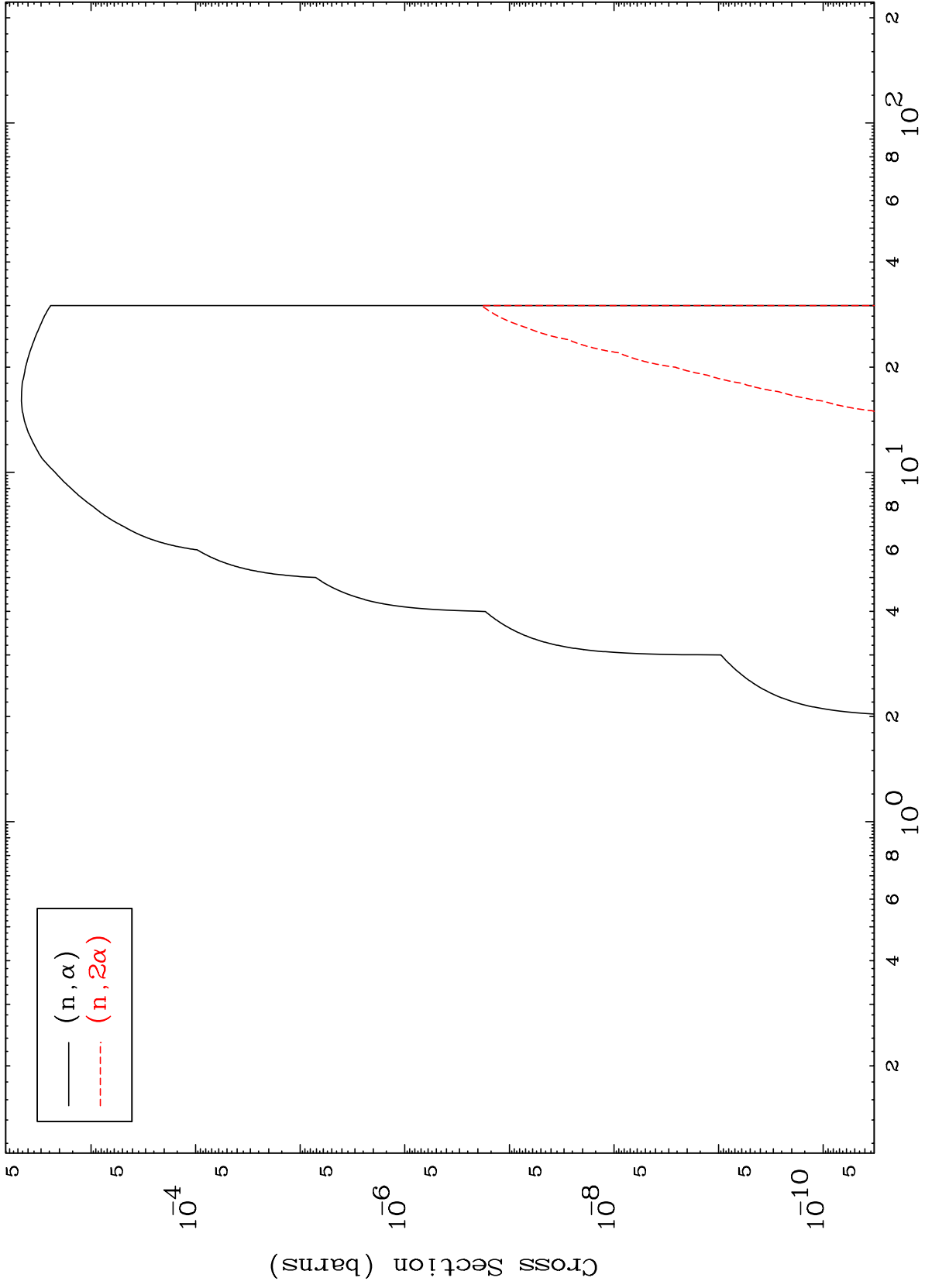
Incident Energy (MeV)

54-Xe-131

MAT 5446

(d,  $\alpha$ ) Levels  
0 Kelvin Cross Sections

54-Xe-131

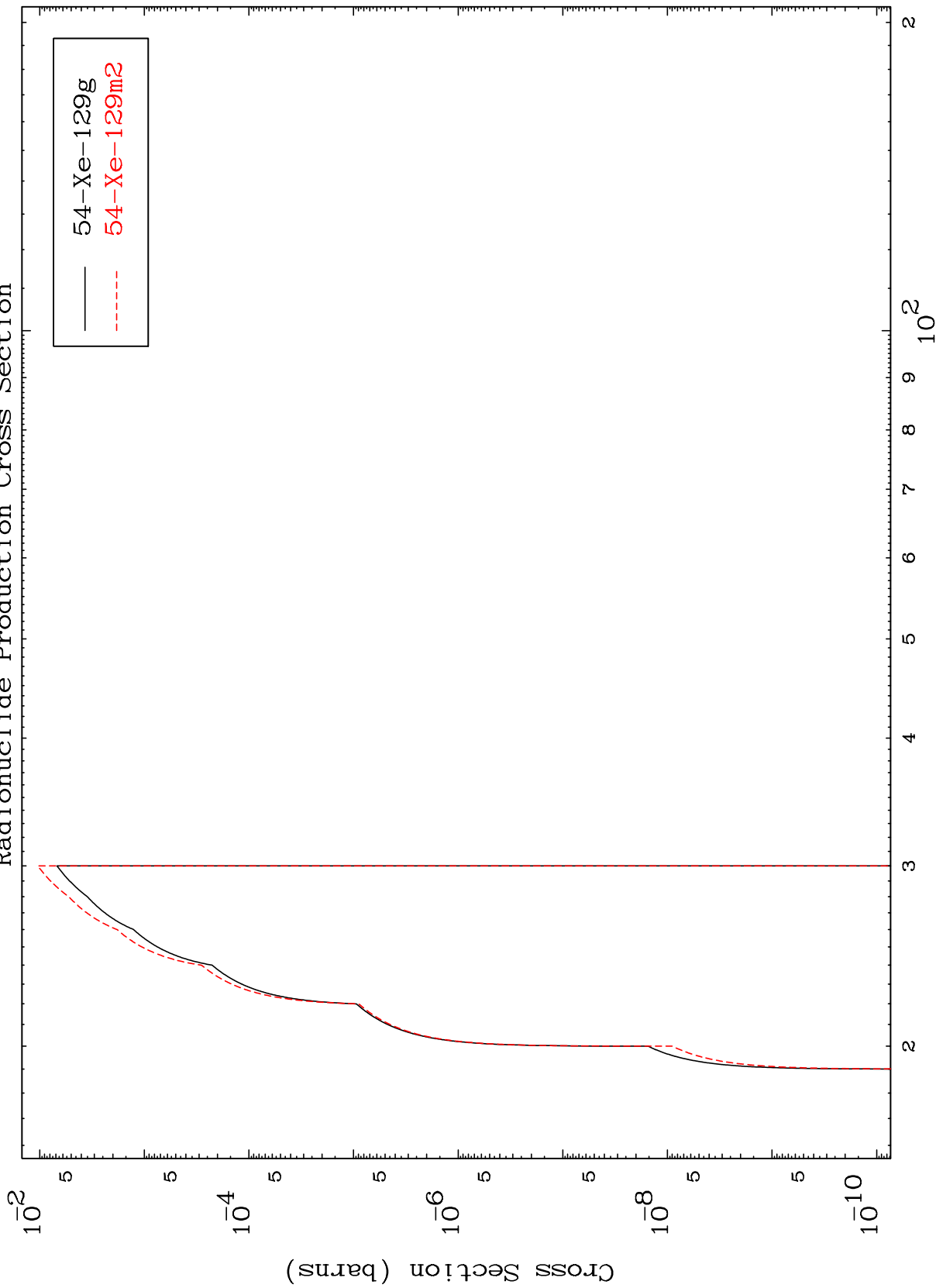


MAT 5446

(n,2n) d

54-Xe-131

Radionuclide Production Cross Section



12

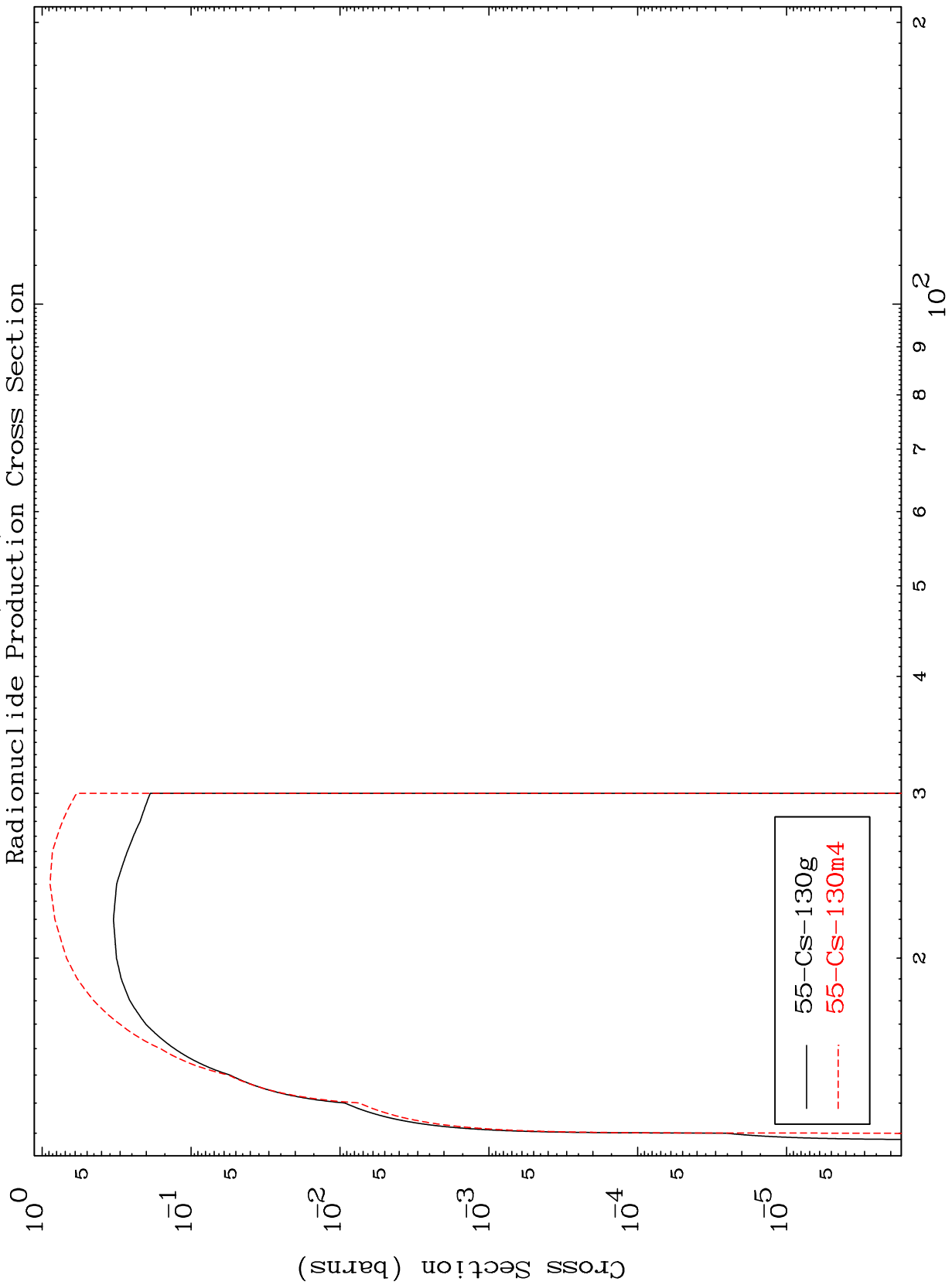
Incident Energy (MeV)

54-Xe-131

MAT 5446

54-Xe-131

(n,3n)  
Radionuclide Production Cross Section



13

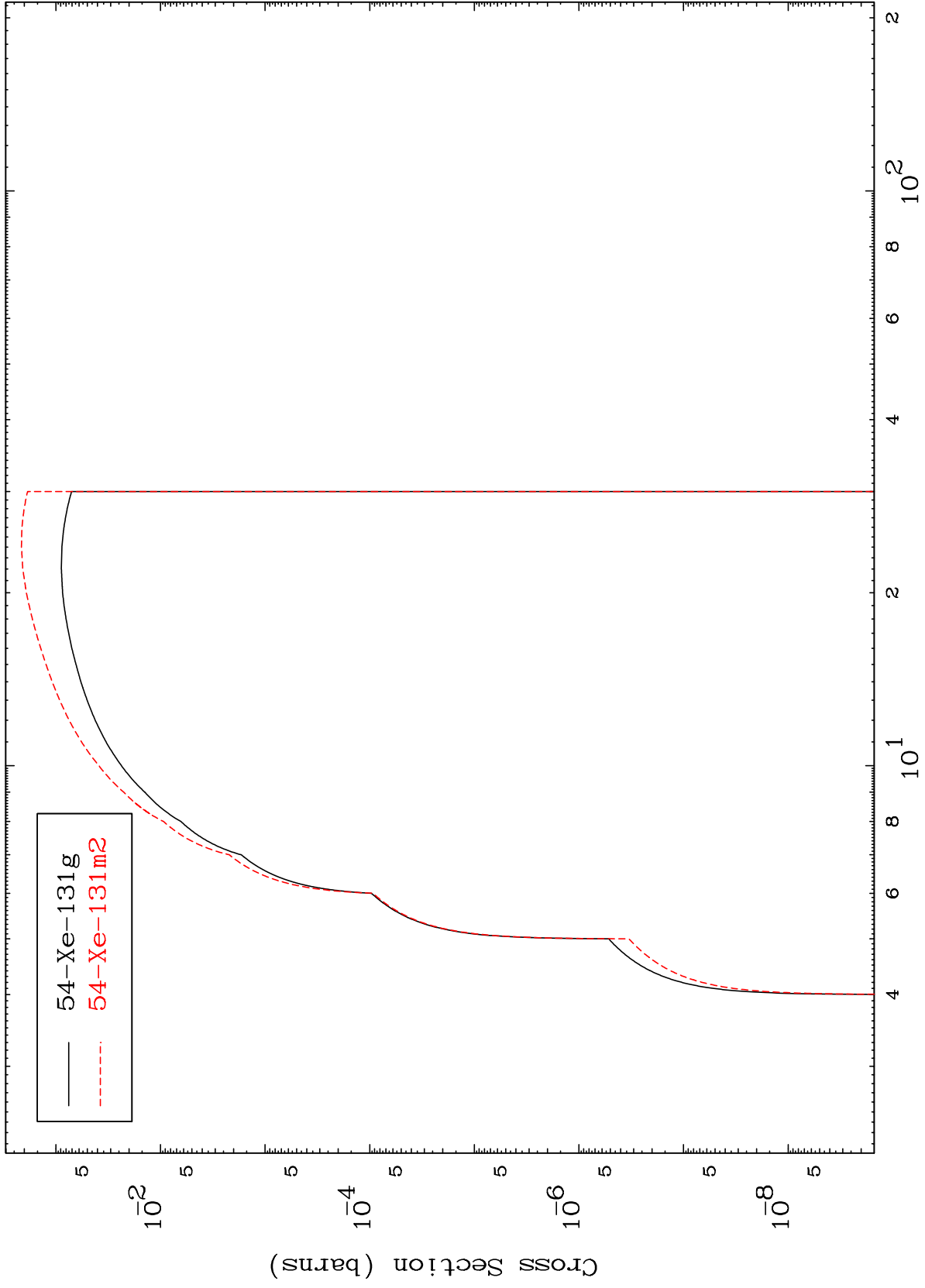
Incident Energy (MeV)

54-Xe-131

MAT 5446

54-Xe-131

(n,n') p  
Radionuclide Production Cross Section



54-Xe-131

Incident Energy (MeV)

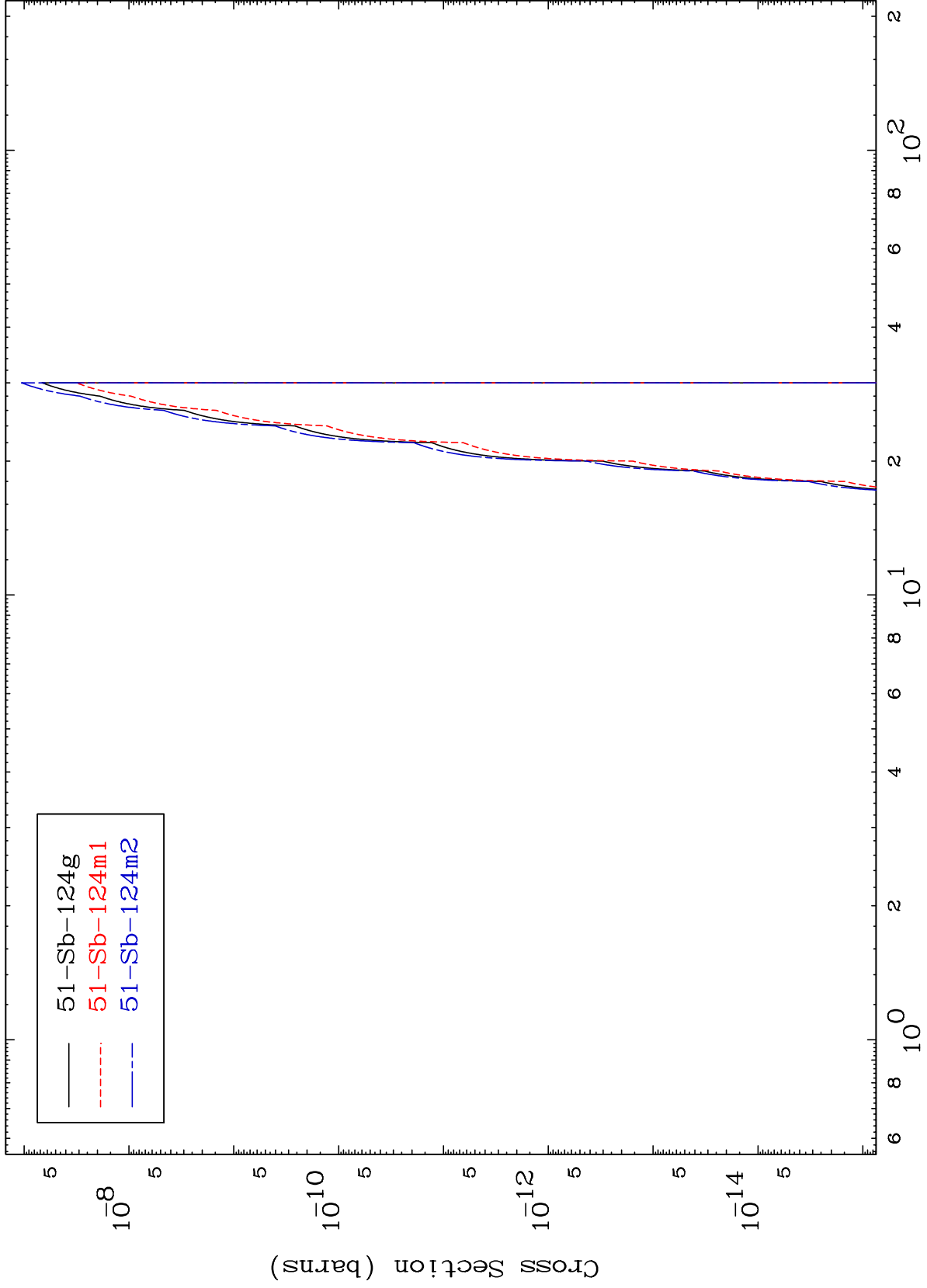
14

MAT 5446

(n,n') 2α

54-Xe-131

Radionuclide Production Cross Section



15

Incident Energy (MeV)

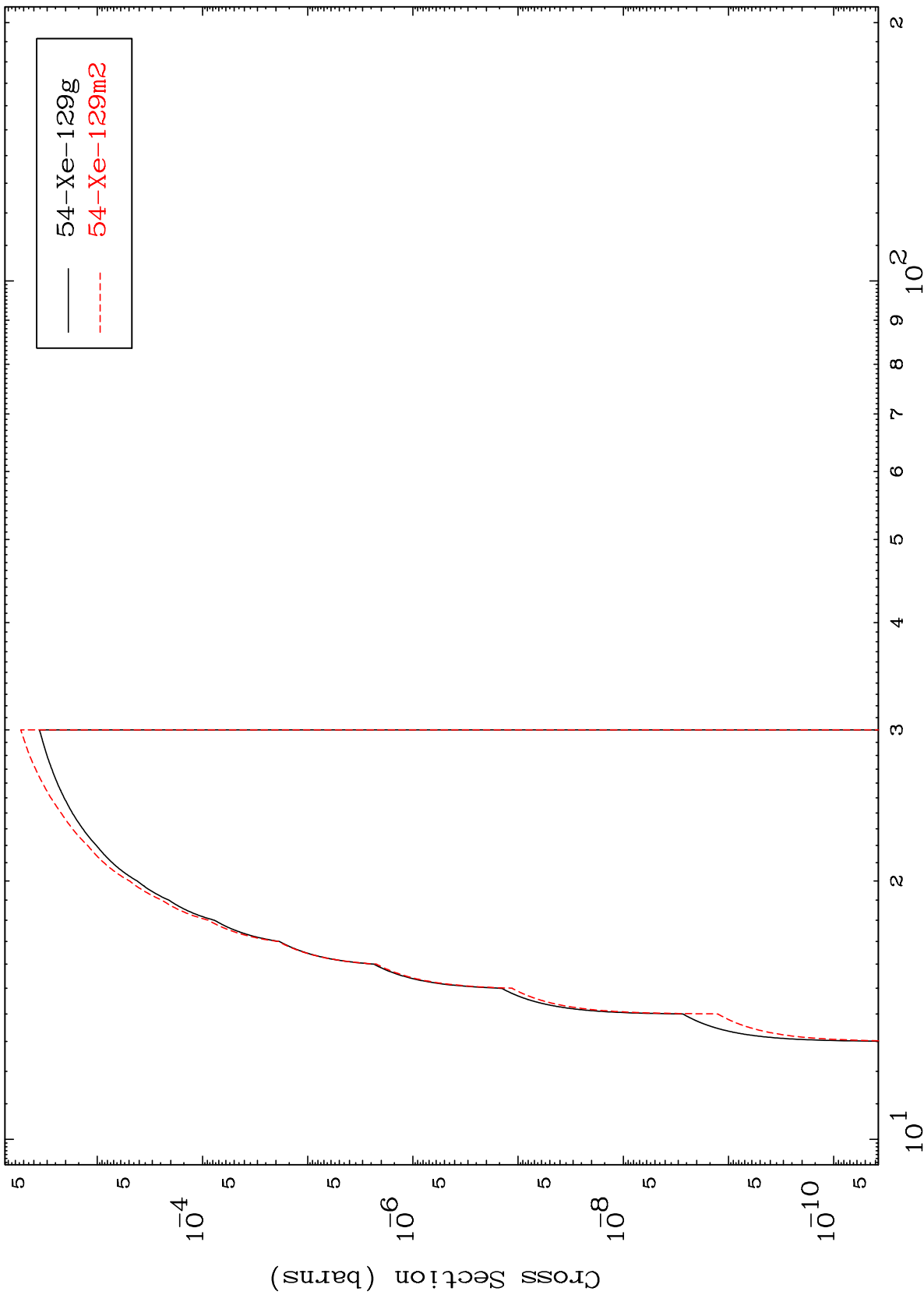
54-Xe-131

MAT 5446

(n,n') t

54-Xe-131

Radionuclide Production Cross Section



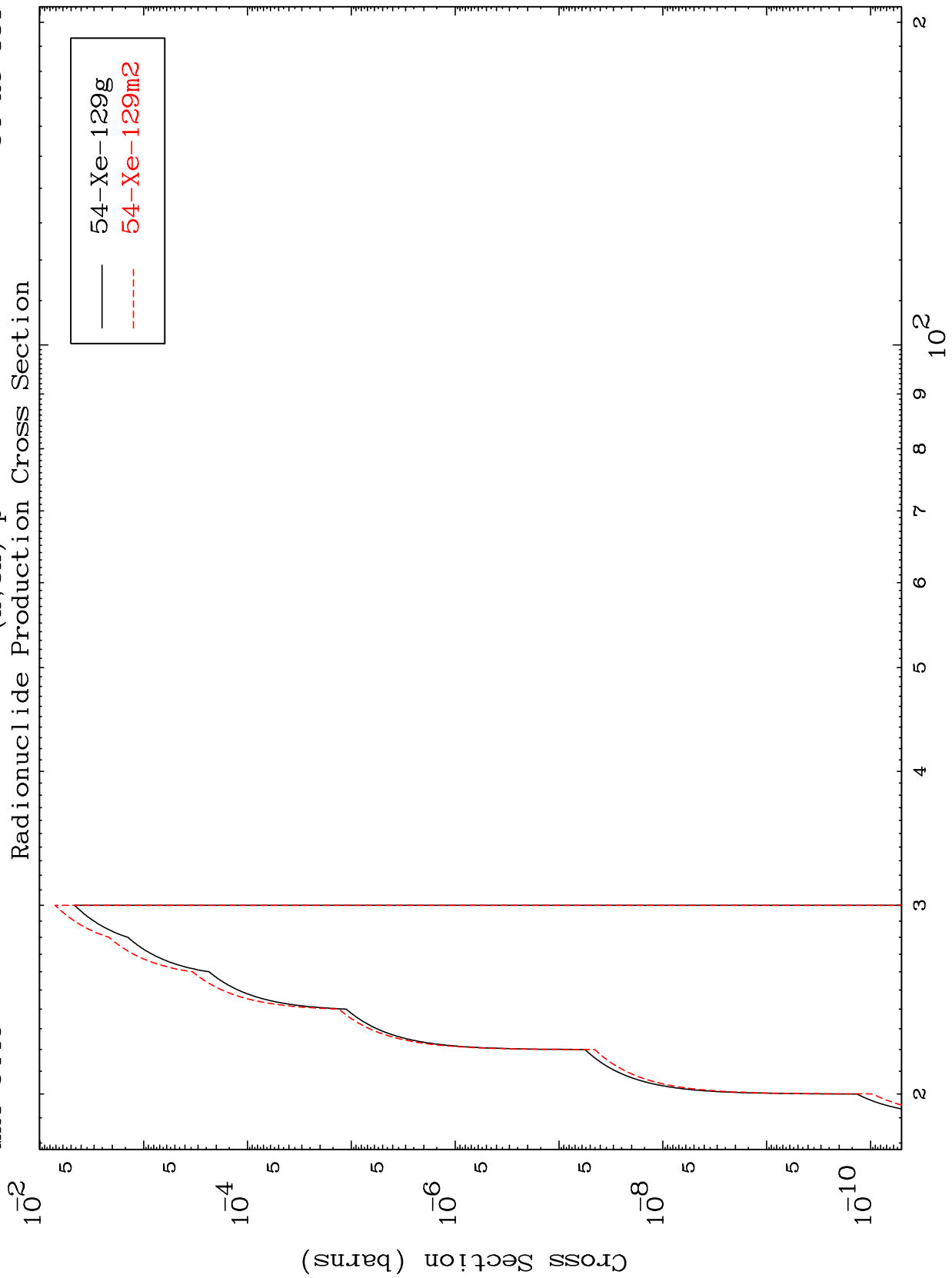
Incident Energy (MeV)

54-Xe-131

MAT 5446

54-Xe-131

(n,3n) p  
Radionuclide Production Cross Section



17

Incident Energy (MeV)

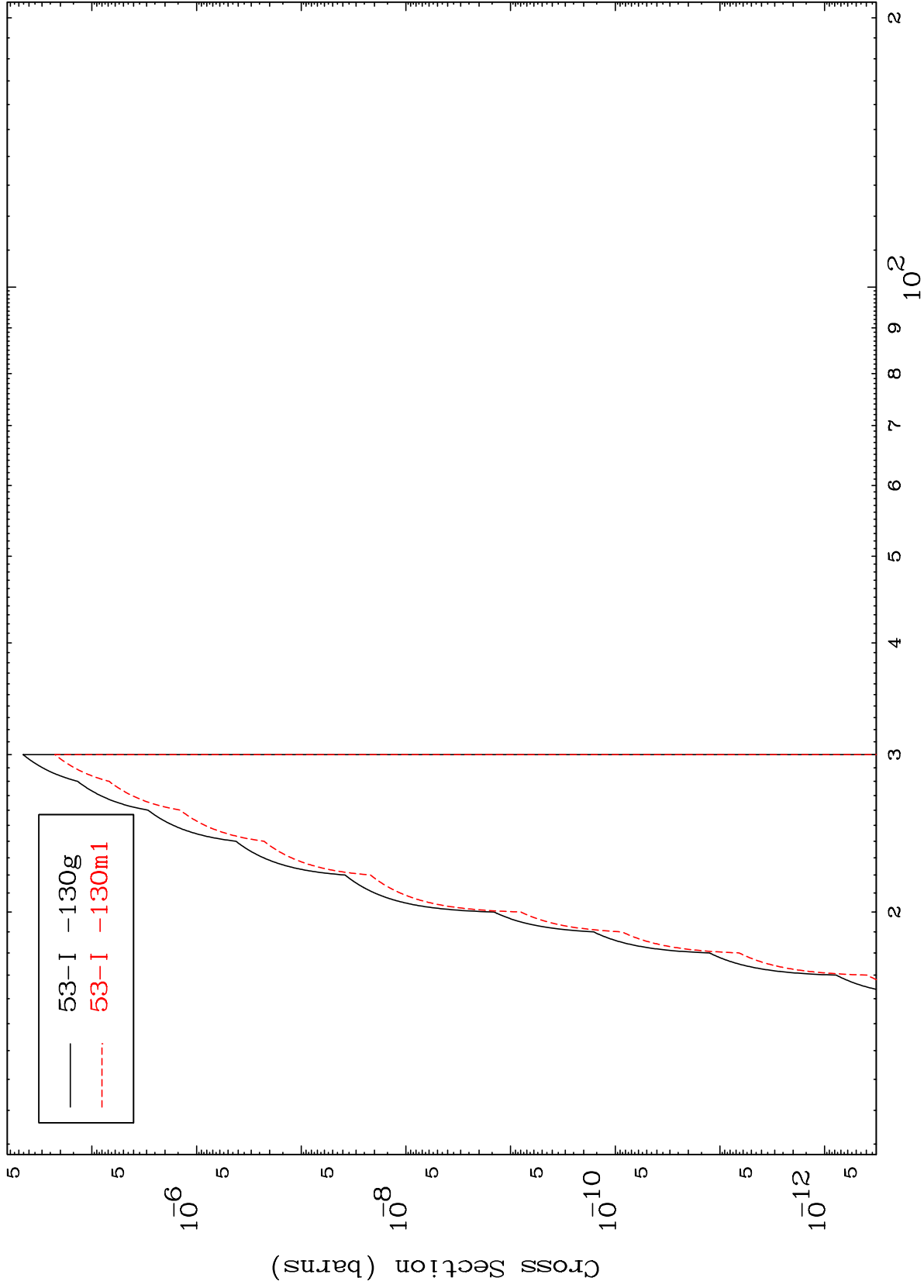
54-Xe-131

MAT 5446

(n,2n) p

54-Xe-131

Radionuclide Production Cross Section



18

Incident Energy (MeV)

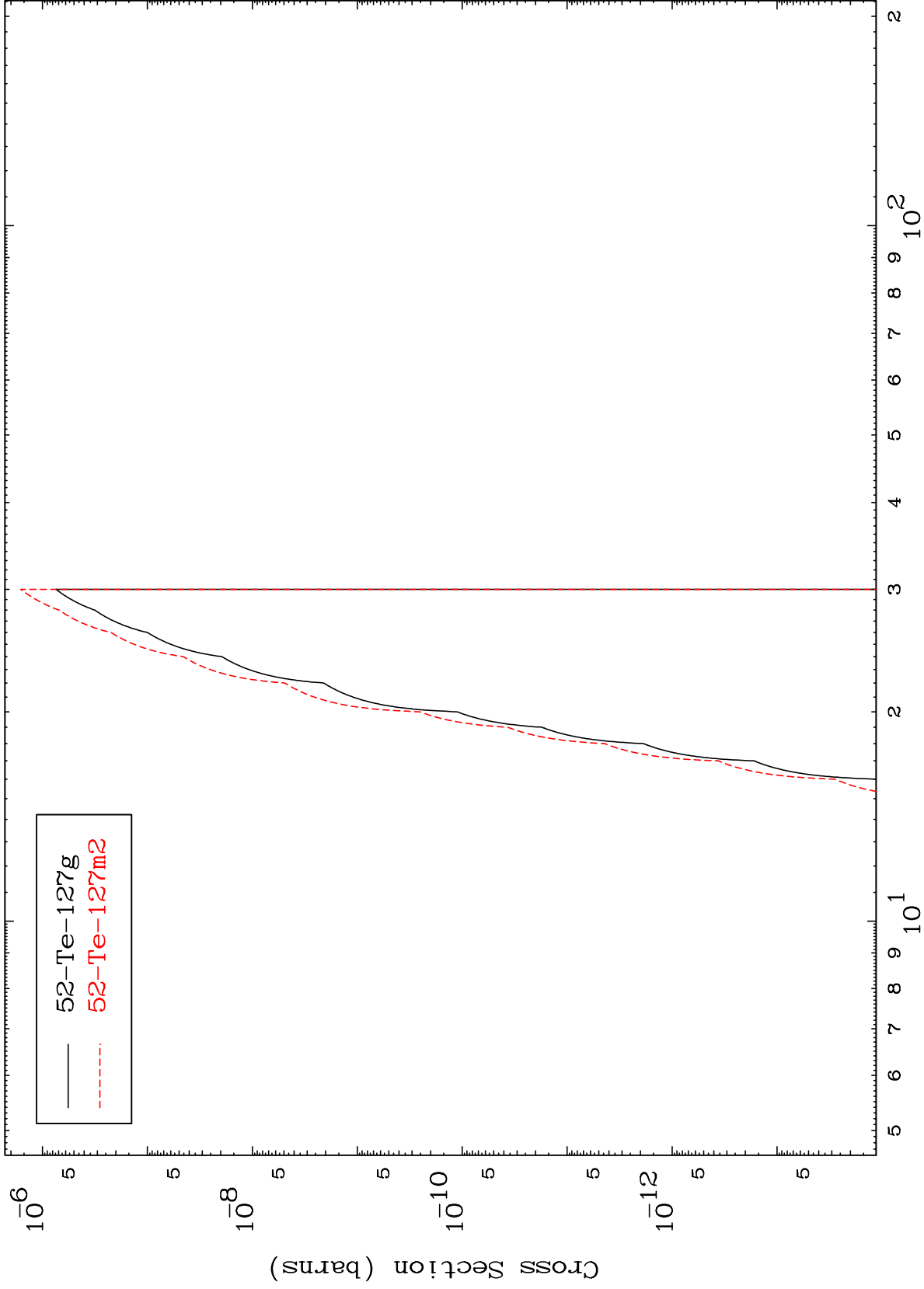
54-Xe-131

MAT 5446

(n,n') p  $\alpha$

54-Xe-131

Radionuclide Production Cross Section



52-Te-127g  
52-Te-127m2

19

Incident Energy (MeV)

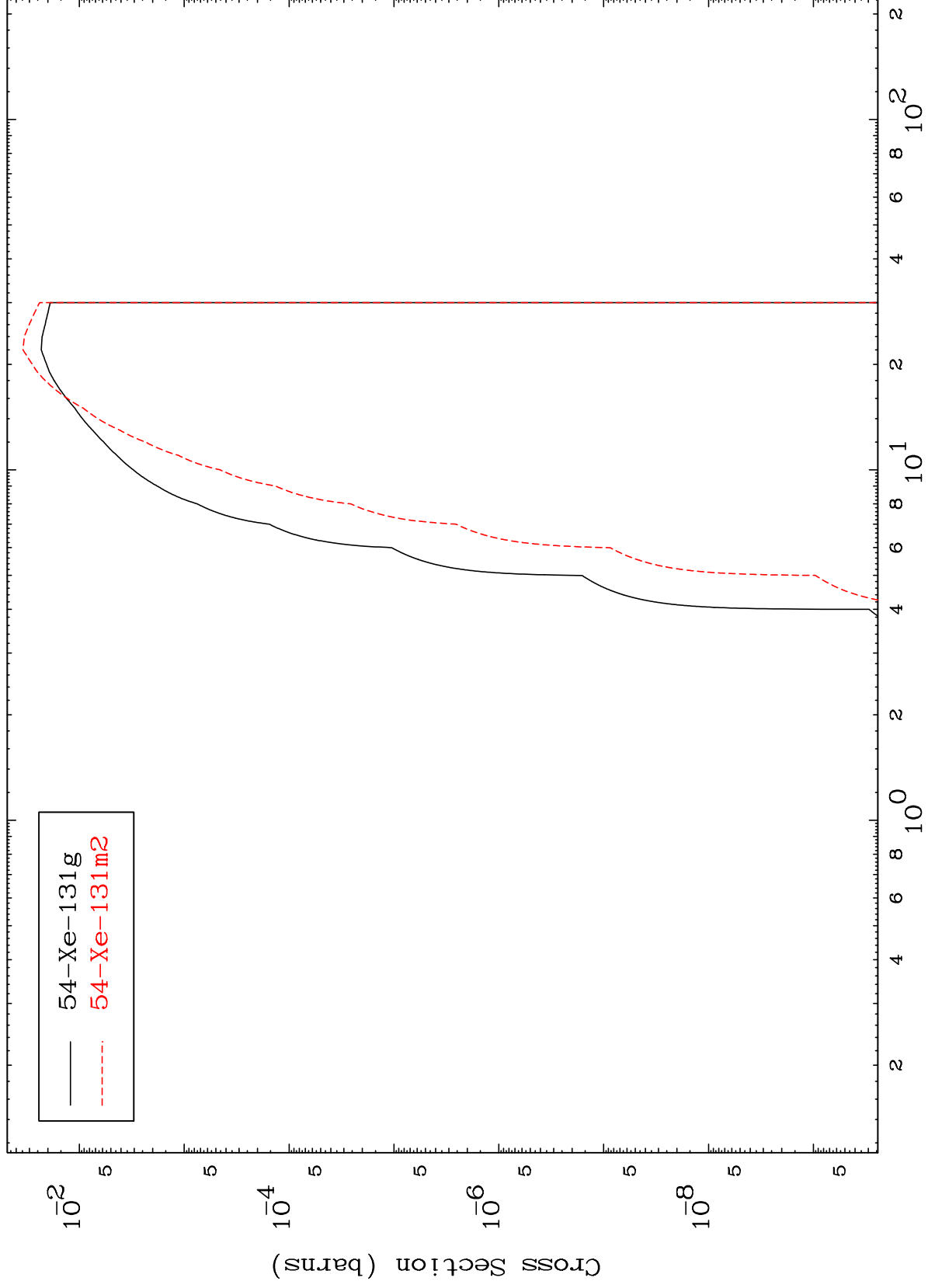
54-Xe-131

MAT 5446

(n,d)

54-Xe-131

Radionuclide Production Cross Section



20

Incident Energy (MeV)

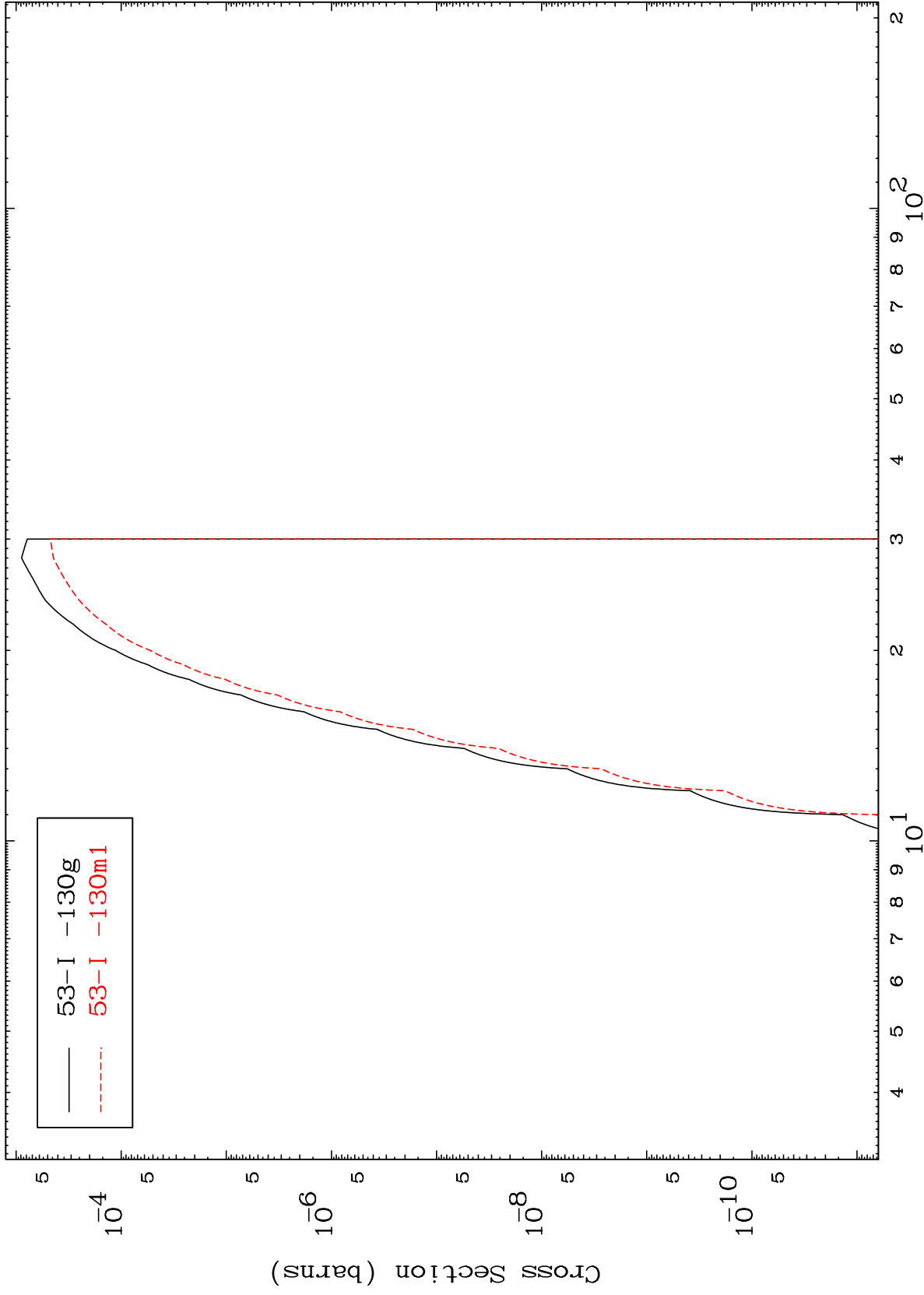
54-Xe-131

MAT 5446

(n,He-3)

54-Xe-131

Radionuclide Production Cross Section



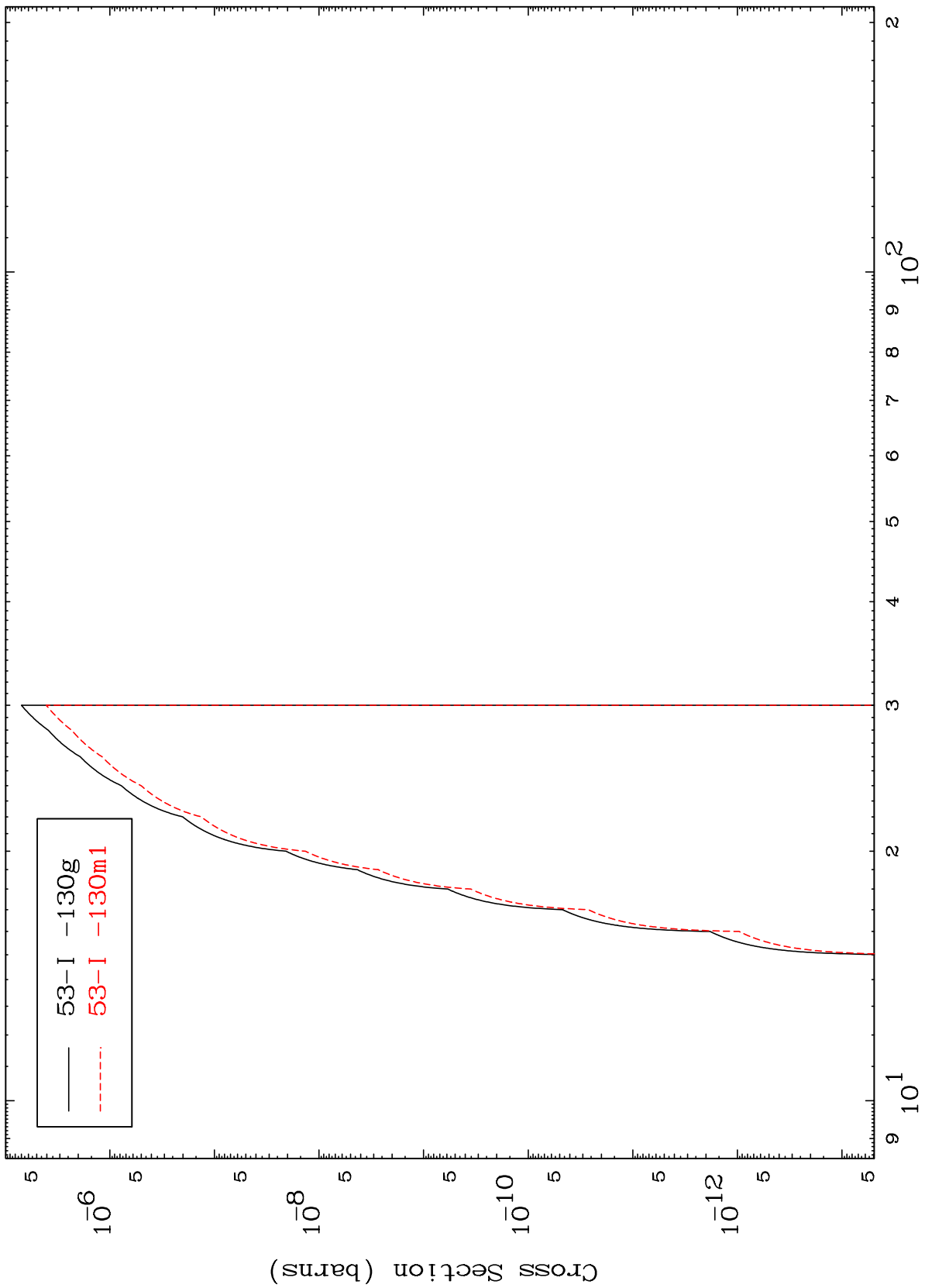
53-I-130g  
53-I-130m1

MAT 5446

(n,p) d

54-Xe-131

Radionuclide Production Cross Section



22

Incident Energy (MeV)

54-Xe-131

MAT 5446

(n,d)  $\alpha$

54-Xe-131

Radionuclide Production Cross Section

