

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

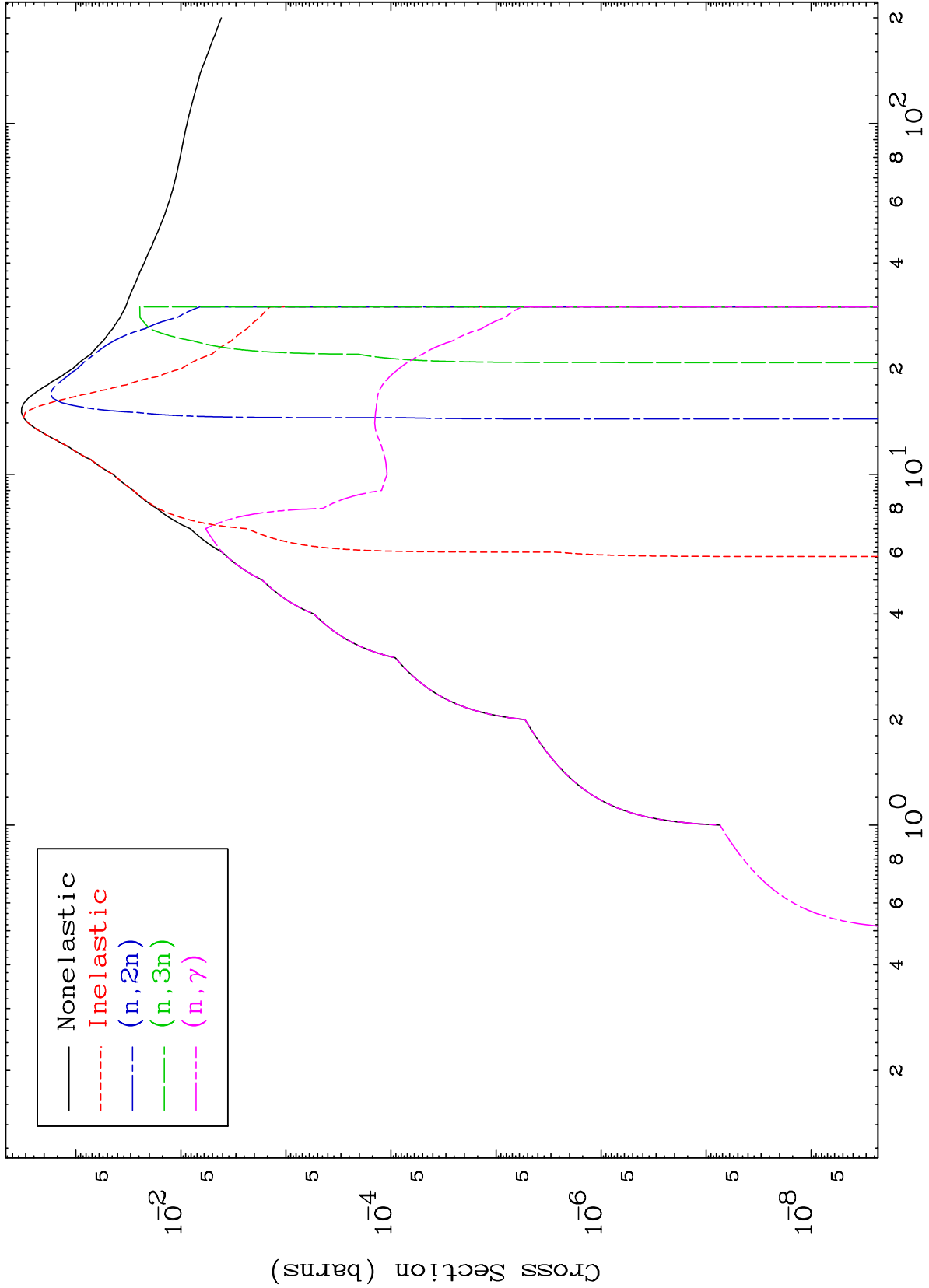
Press Mouse Button to Start

MAT 5459

Photon Major

54-Xe-135m

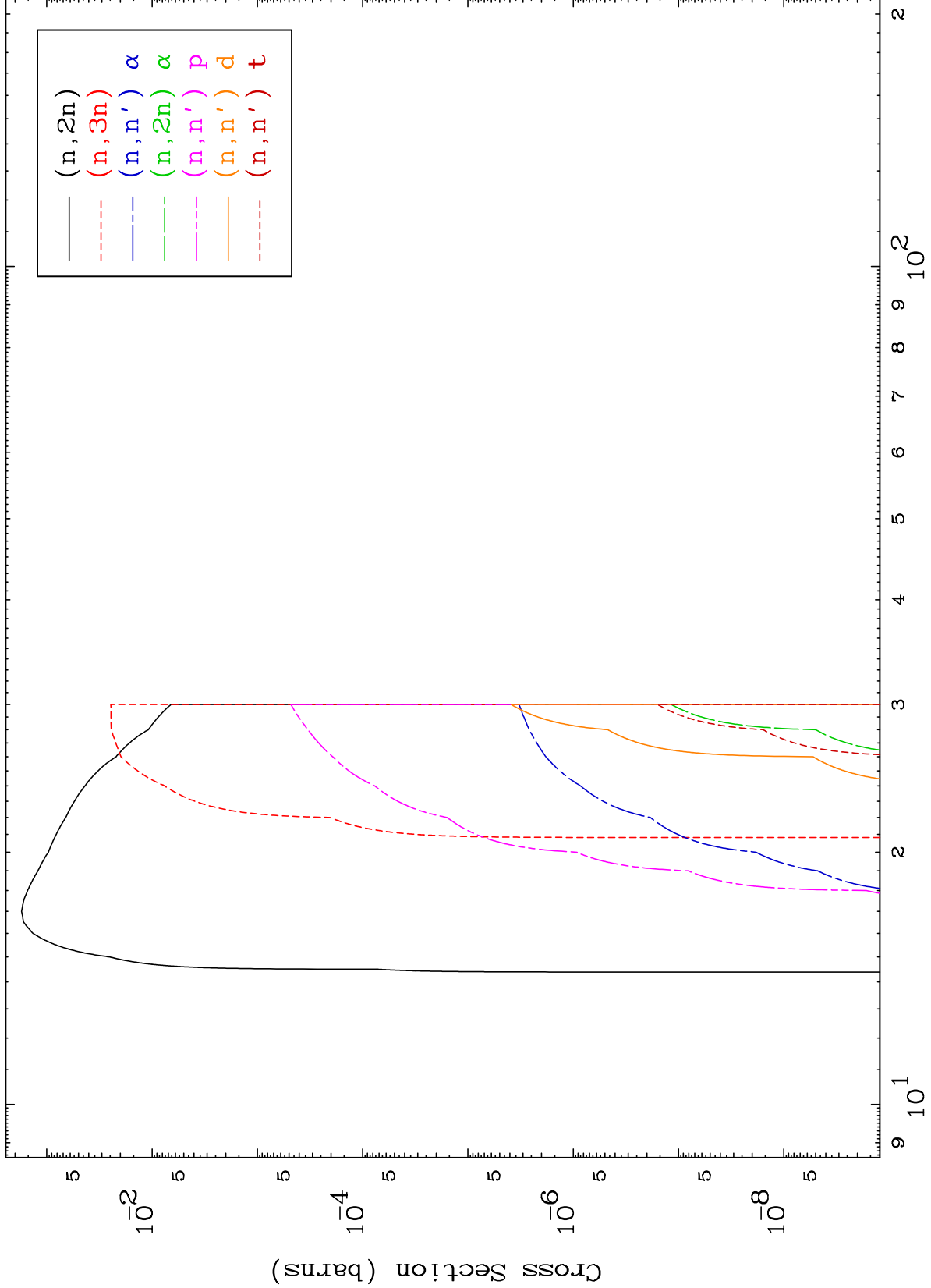
0 Kelvin Cross Sections



MAT 5459

Photon Neutron Absorption  
0 Kelvin Cross Sections

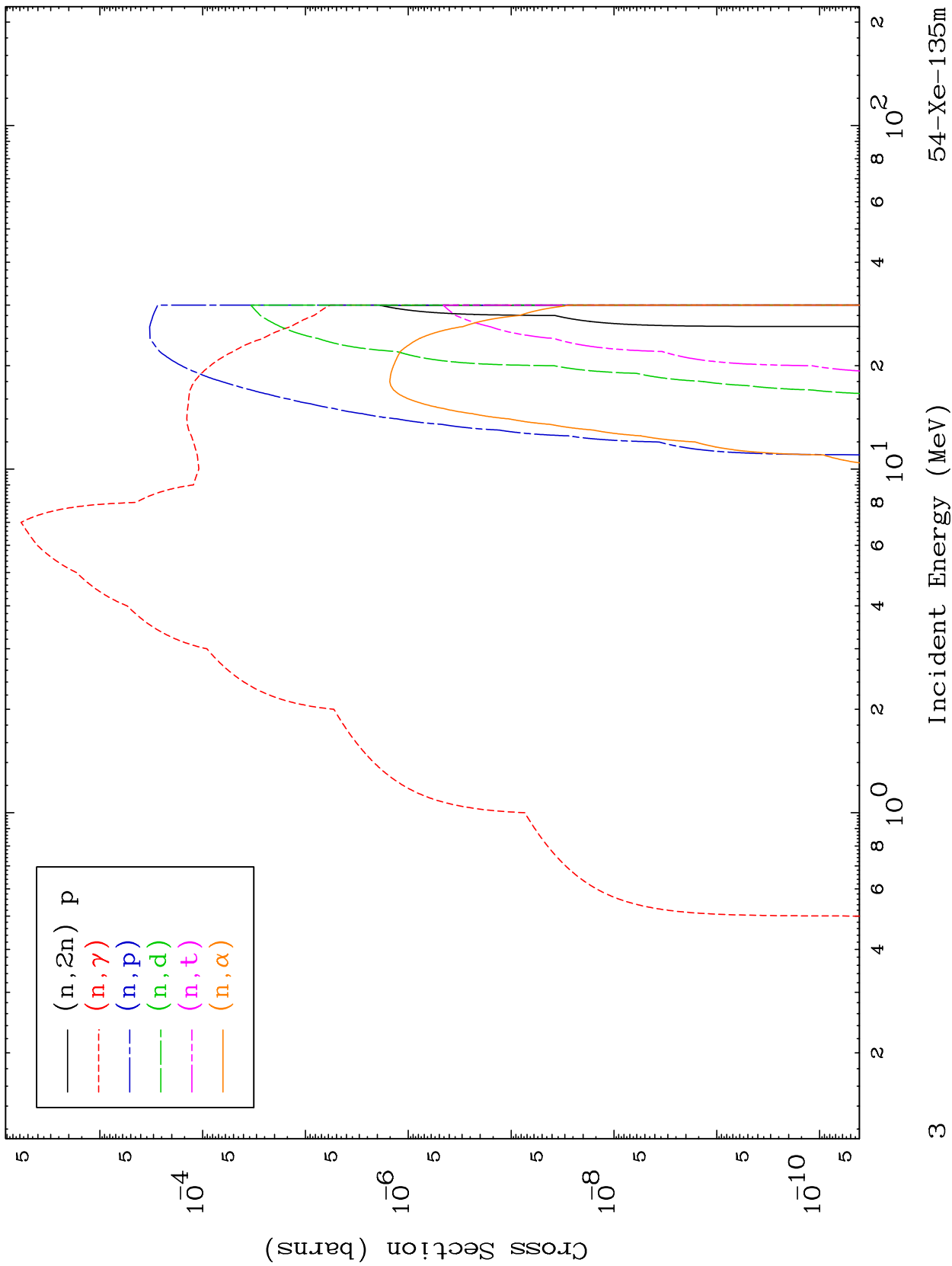
54-Xe-135m



54-Xe-135m

Incident Energy (MeV)

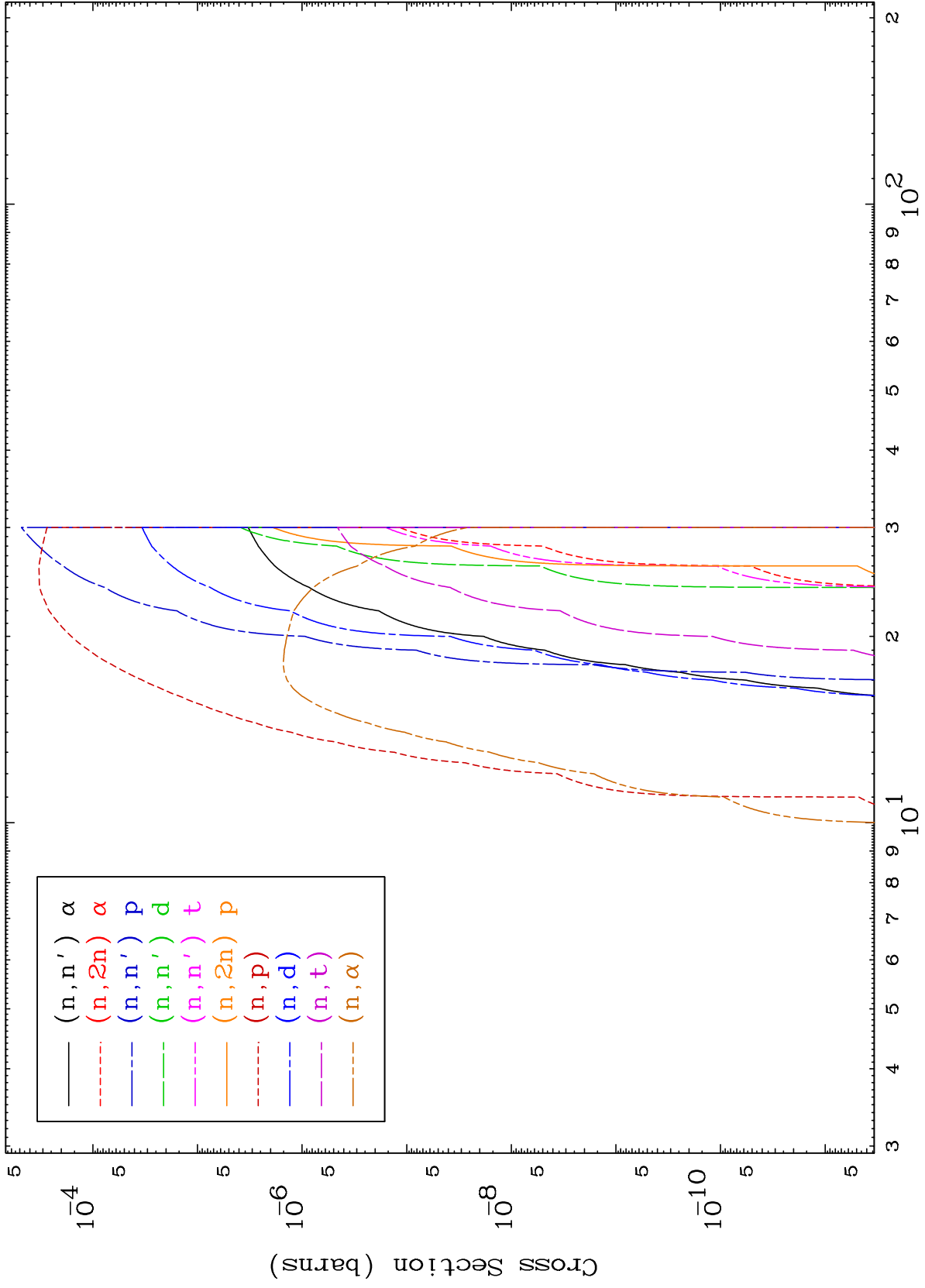
2



MAT 5459

Photon Charged Particle  
0 Kelvin Cross Sections

54-Xe-135m

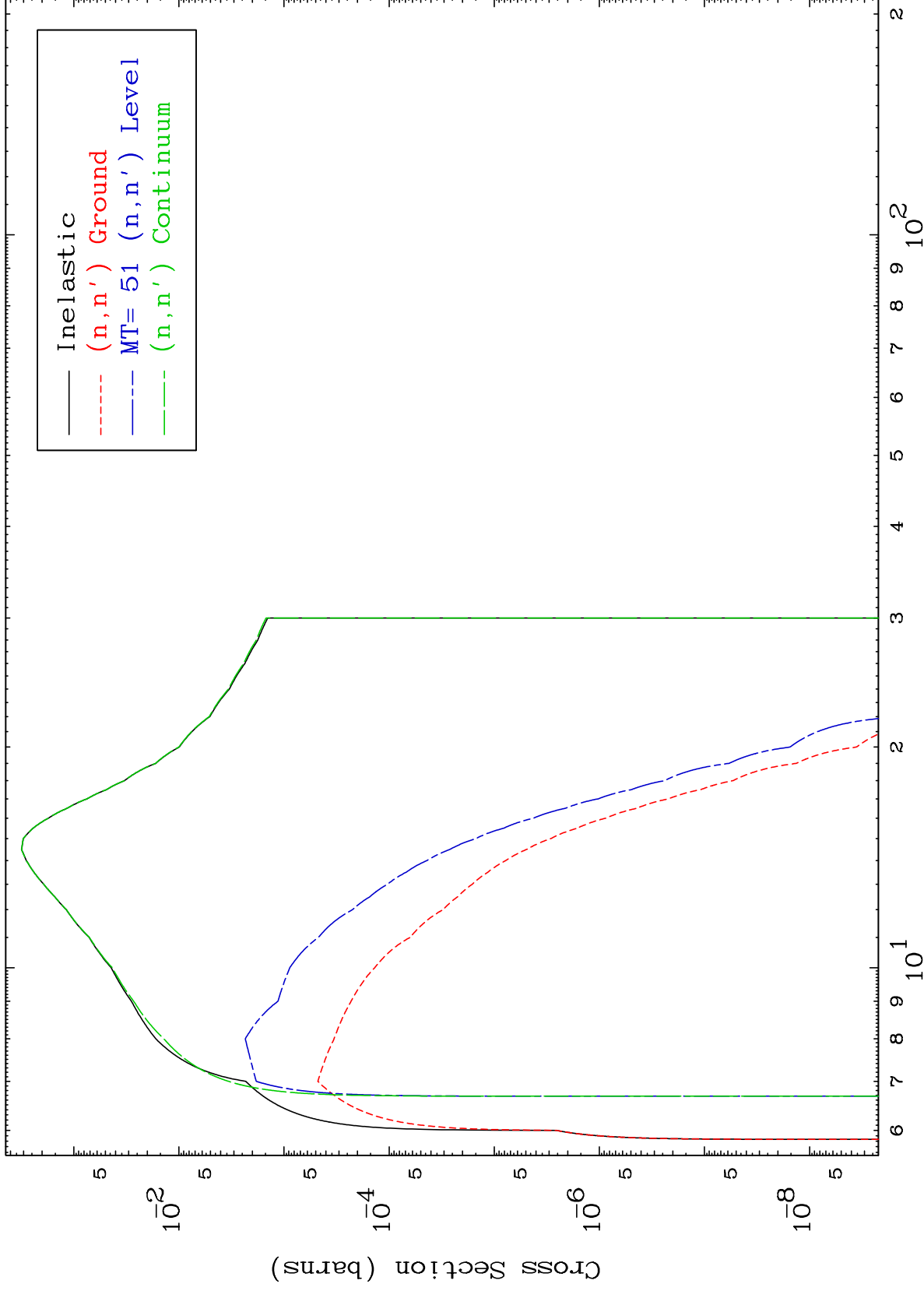


MAT 5459

( $\gamma, n'$ ) Levels

54-Xe-135m

0 Kelvin Cross Sections



Incident Energy (MeV)

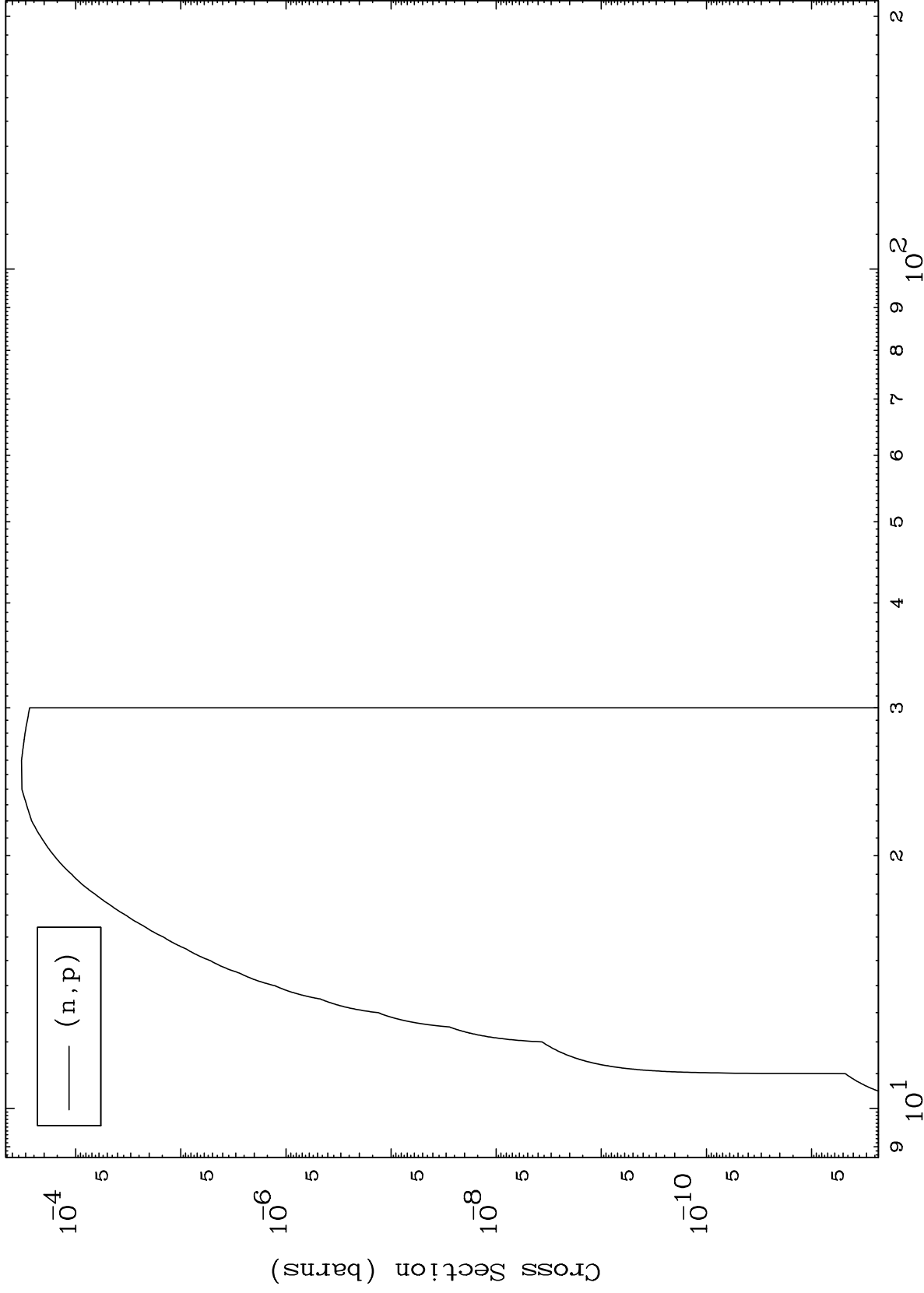
54-Xe-135m

5

MAT 5459

( $\gamma, p$ ) Levels  
0 Kelvin Cross Sections

54-Xe-135m



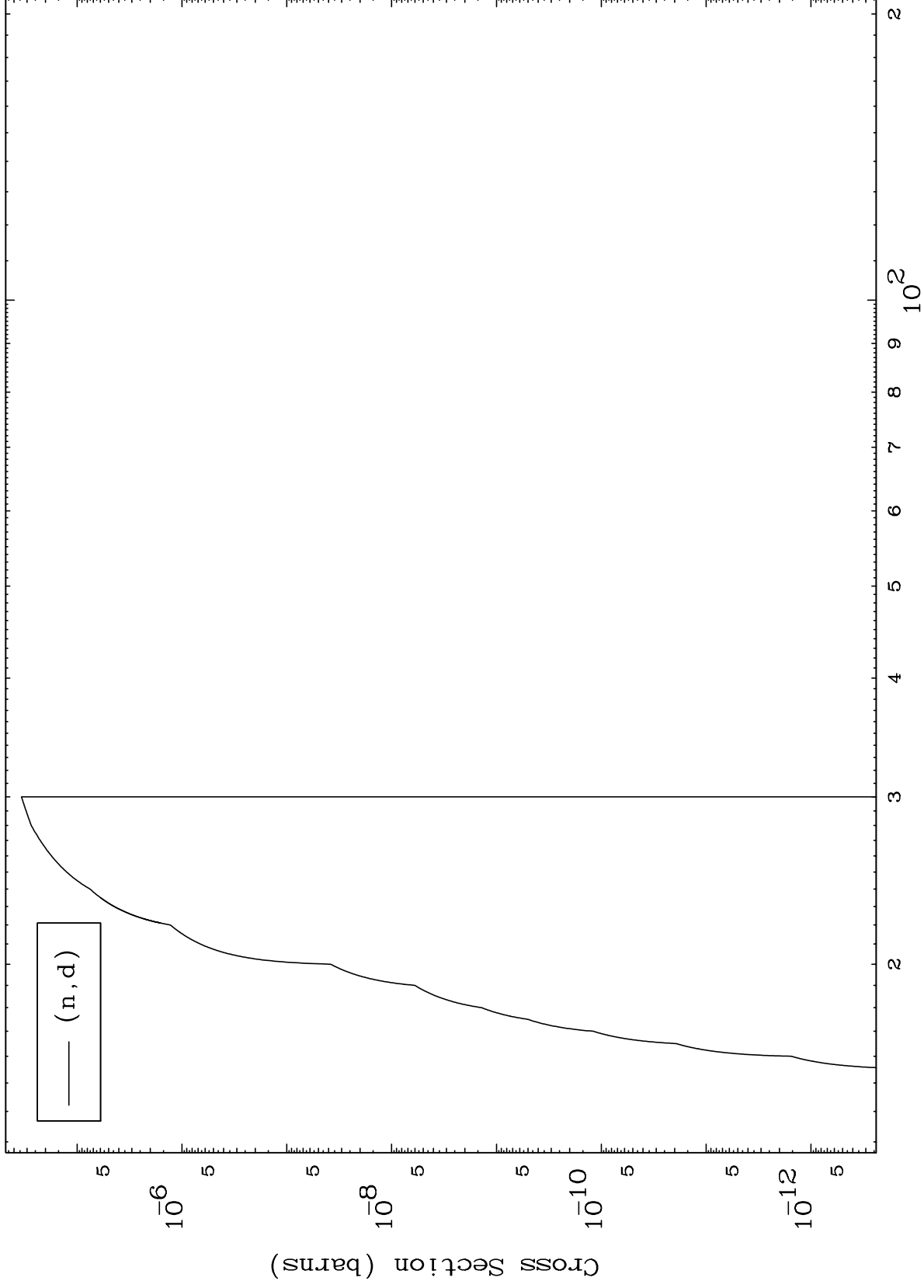
Incident Energy (MeV)

54-Xe-135m

MAT 5459

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

54-Xe-135m



7

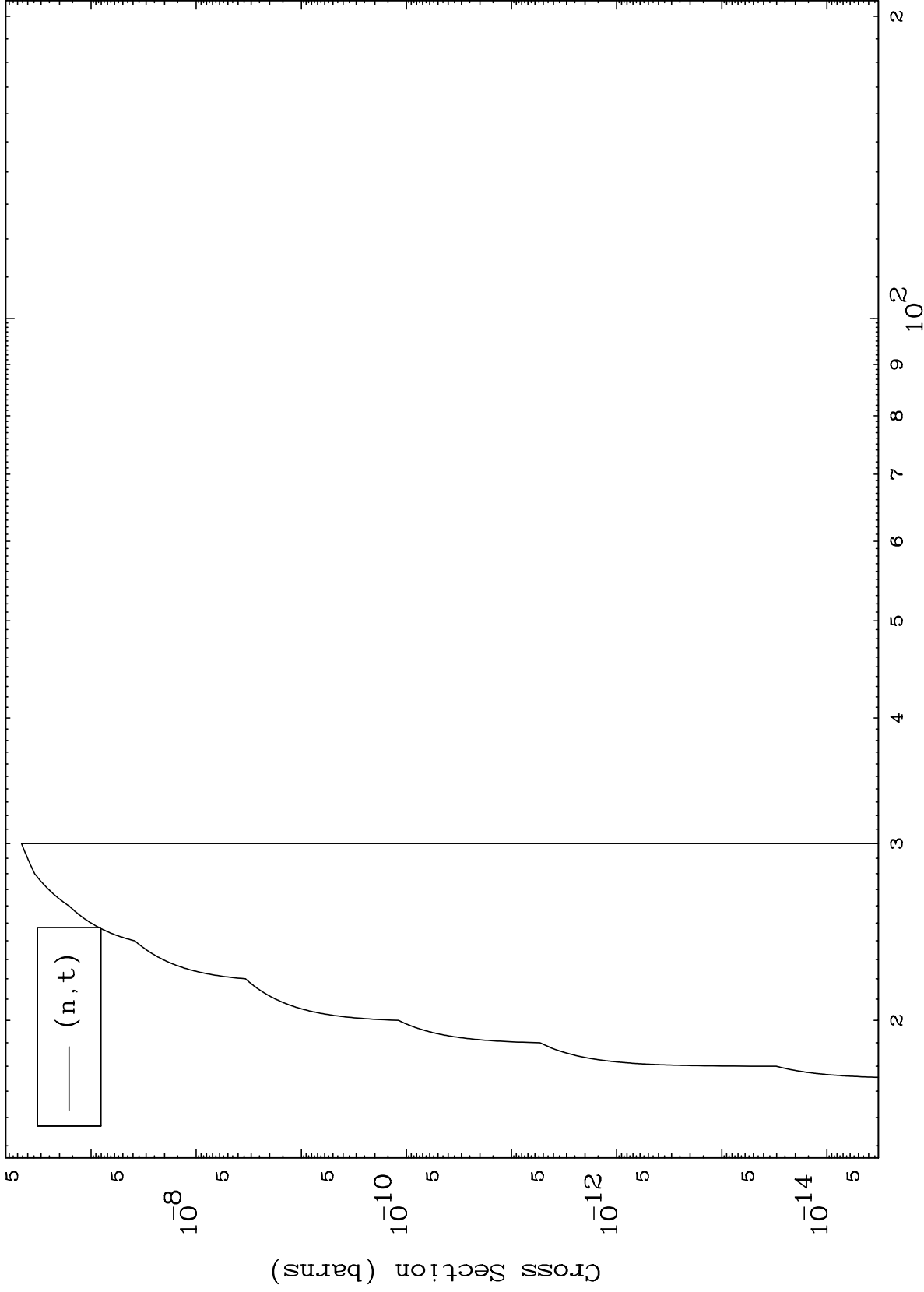
Incident Energy (MeV)

54-Xe-135m

MAT 5459

( $\gamma, t$ ) Levels  
0 Kelvin Cross Sections

54-Xe-135m



8

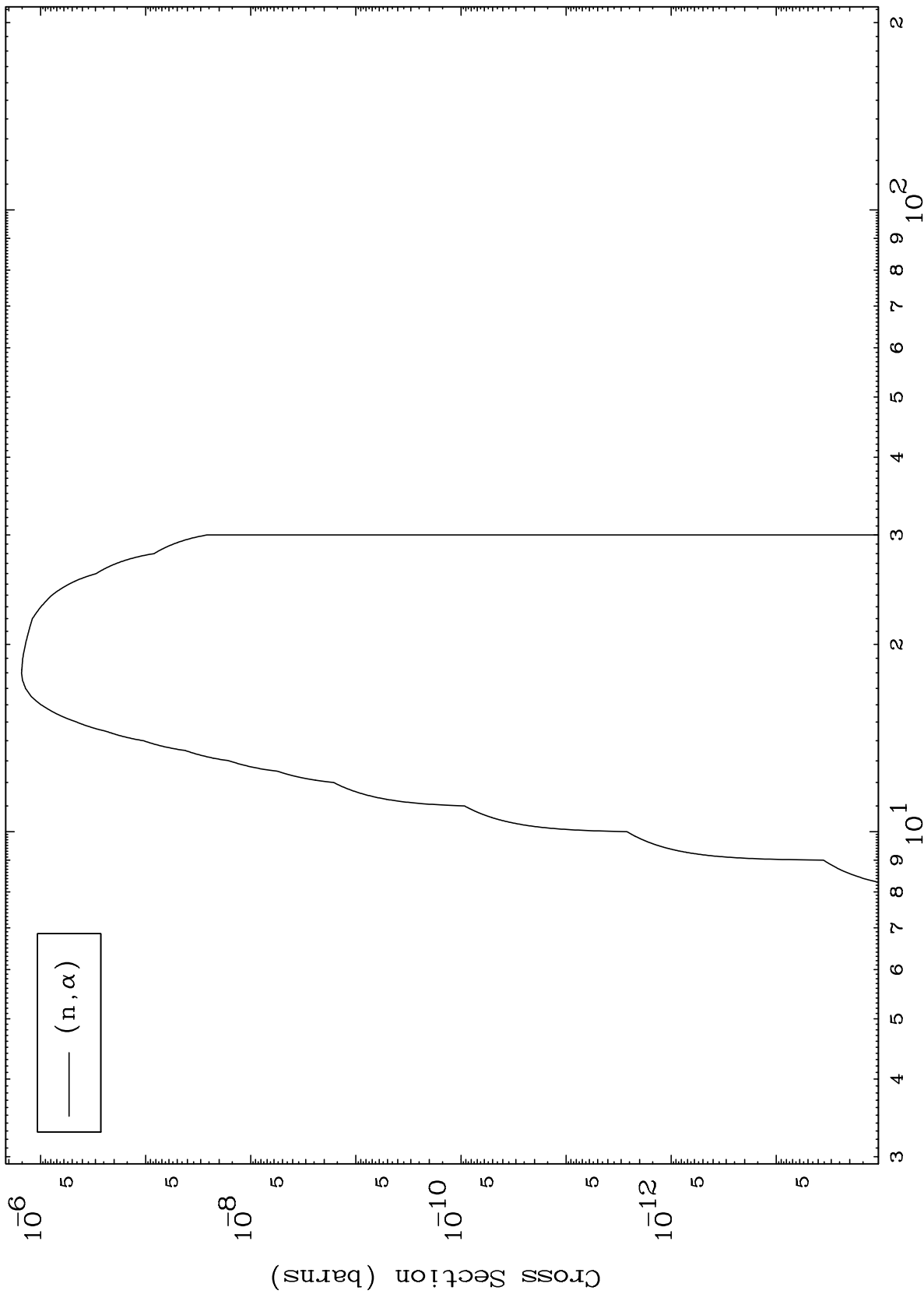
Incident Energy (MeV)

54-Xe-135m

MAT 5459

54-Xe-135m

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



54-Xe-135m

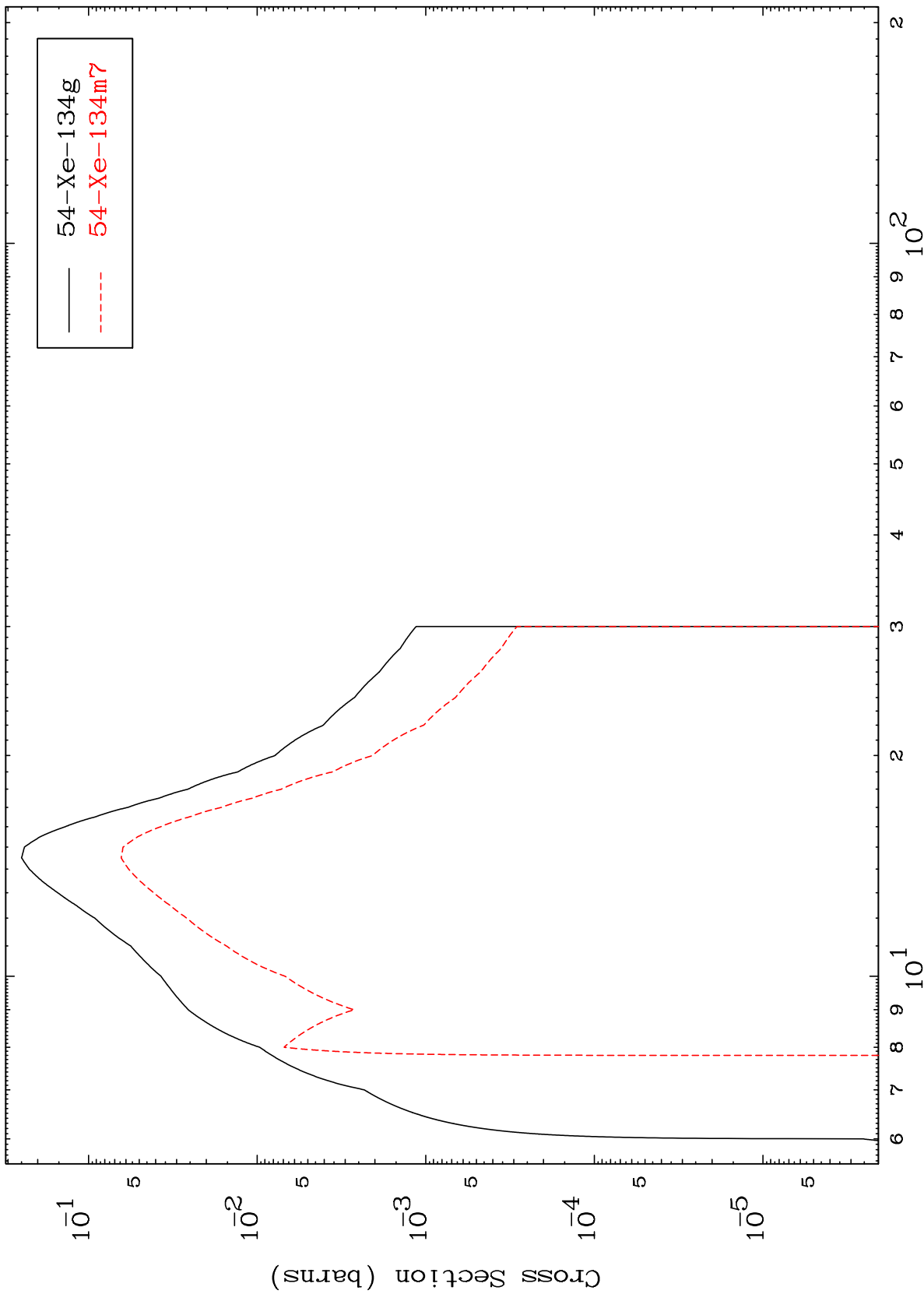
Incident Energy (MeV)

9

MAT 5459

54-Xe-135m

Inelastic  
Radionuclide Production Cross Section



54-Xe-135m

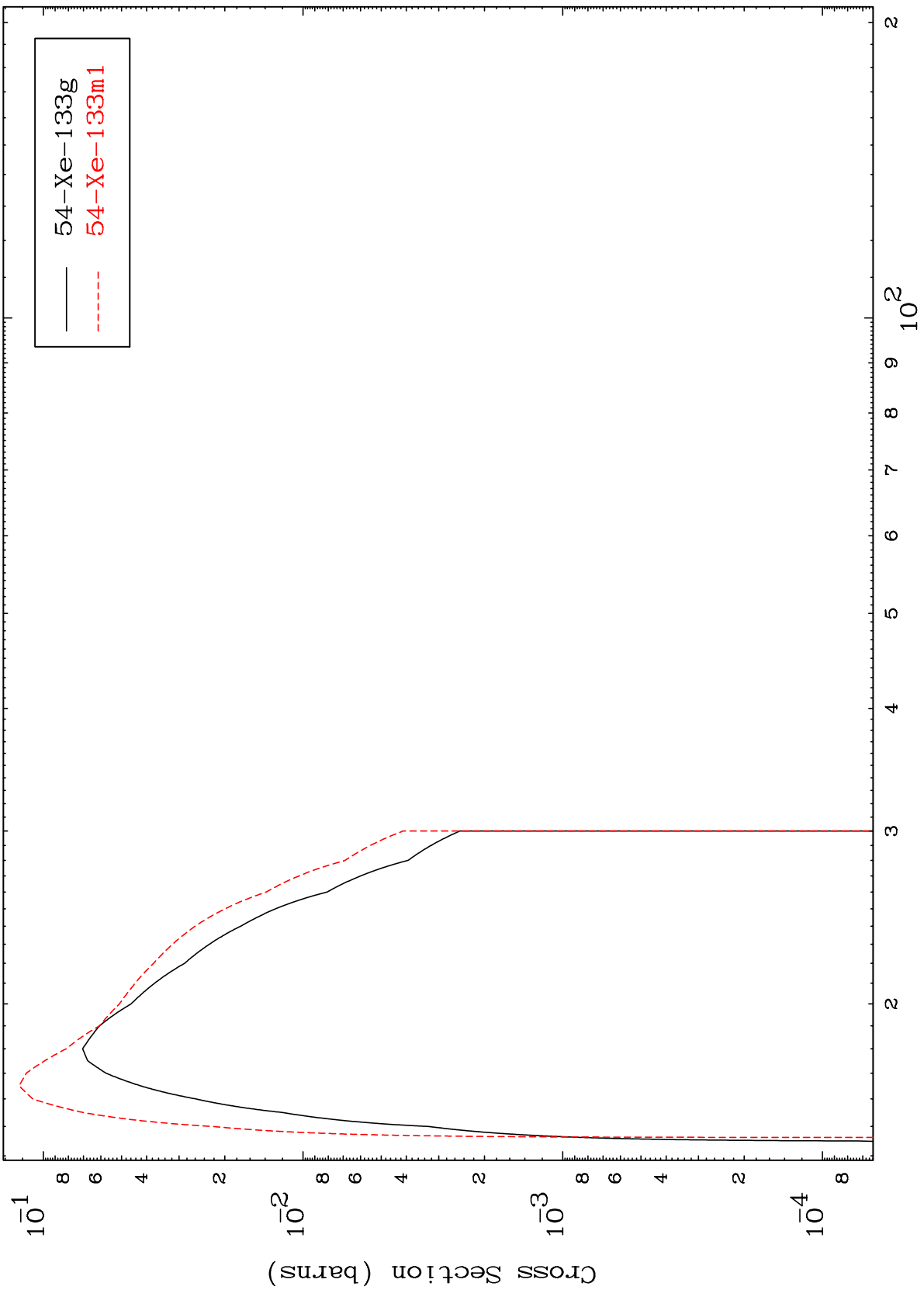
Incident Energy (MeV)

10

MAT 5459

54-Xe-135m

(n,2n)  
Radionuclide Production Cross Section



11

Incident Energy (MeV)

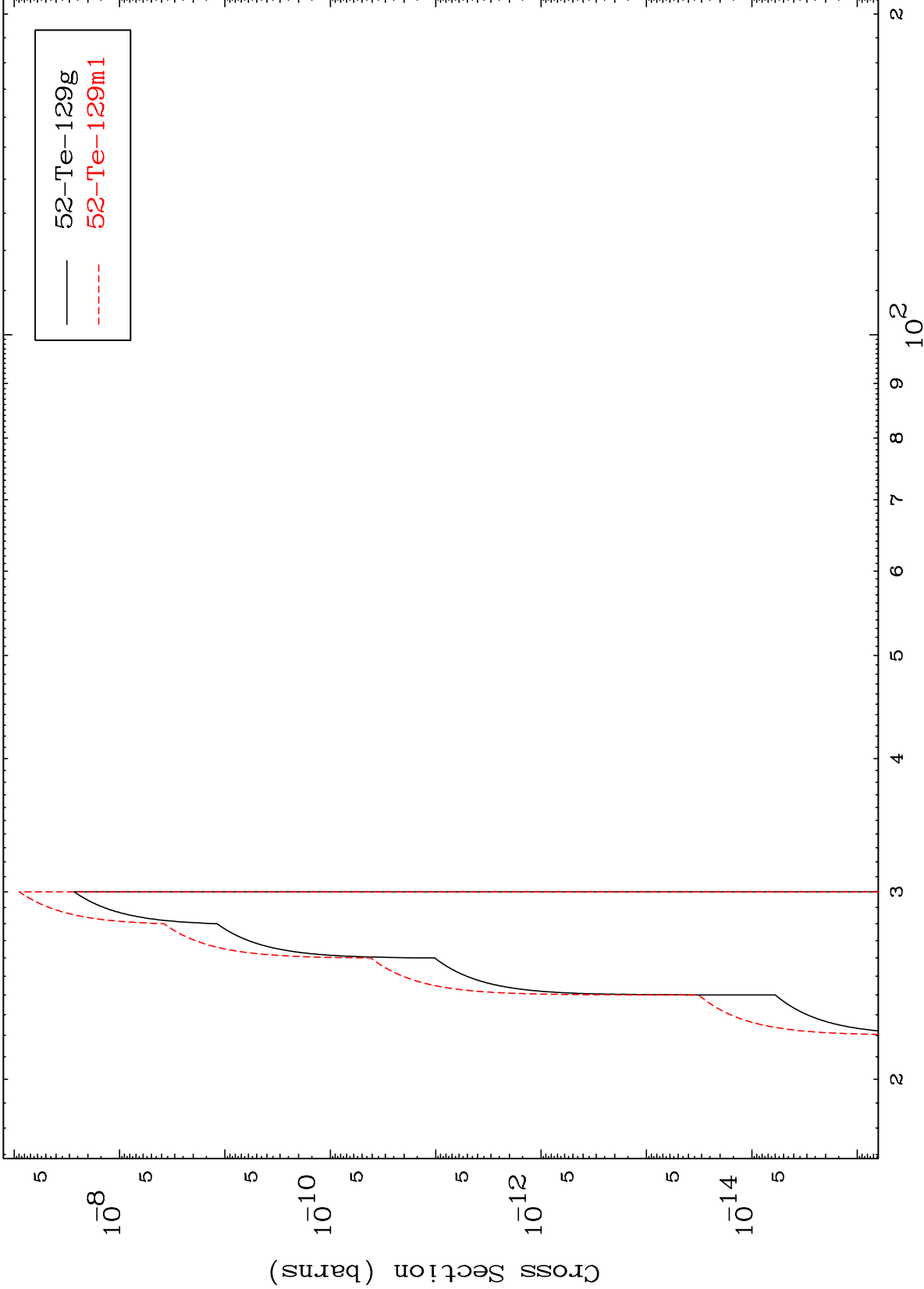
54-Xe-135m

MAT 5459

$(n,2n) \alpha$

54-Xe-135m

Radionuclide Production Cross Section



12

Incident Energy (MeV)

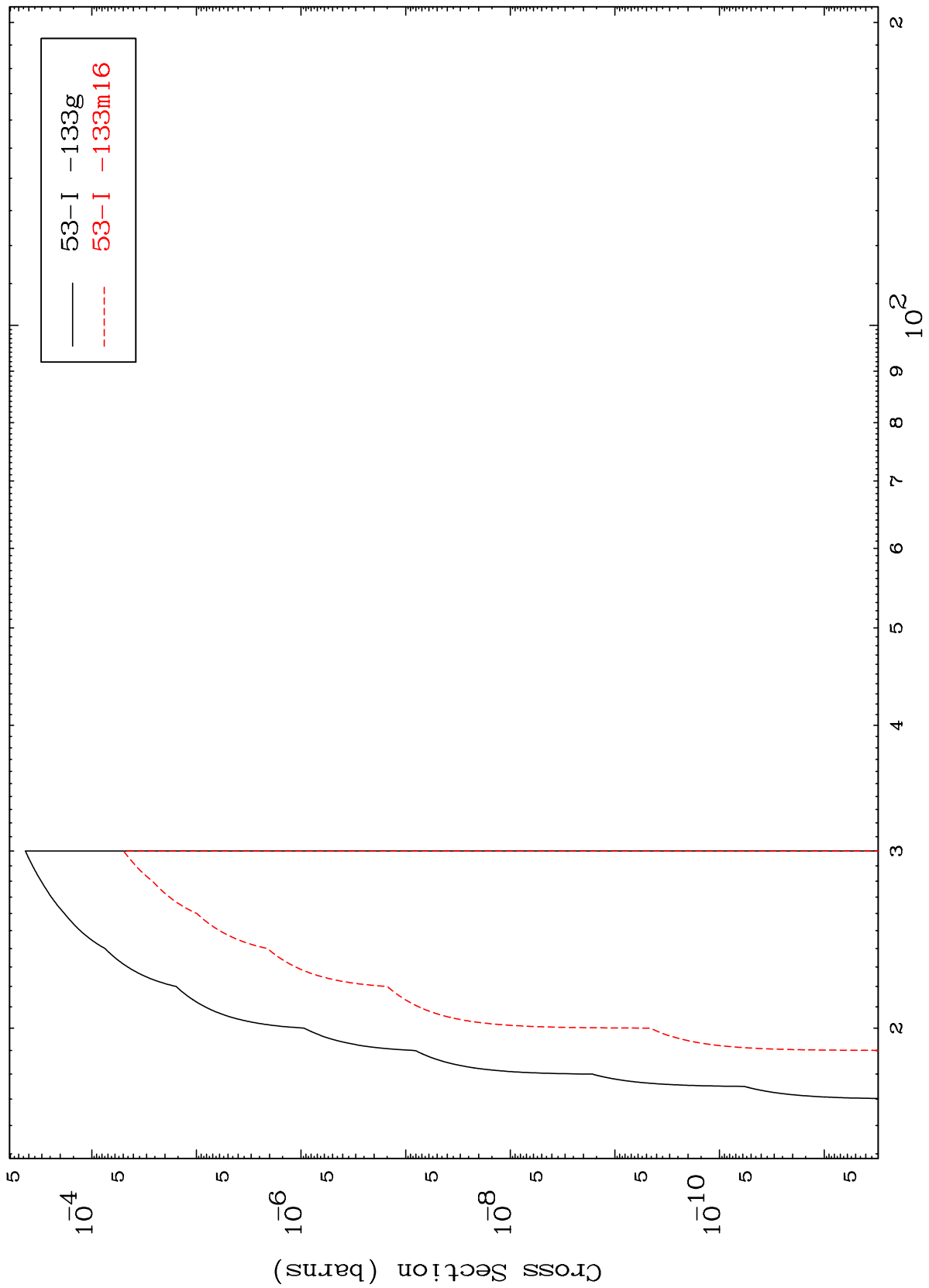
54-Xe-135m

MAT 5459

(n,n') p

54-Xe-135m

Radionuclide Production Cross Section



53-I -133g  
53-I -133m16

13

Incident Energy (MeV)

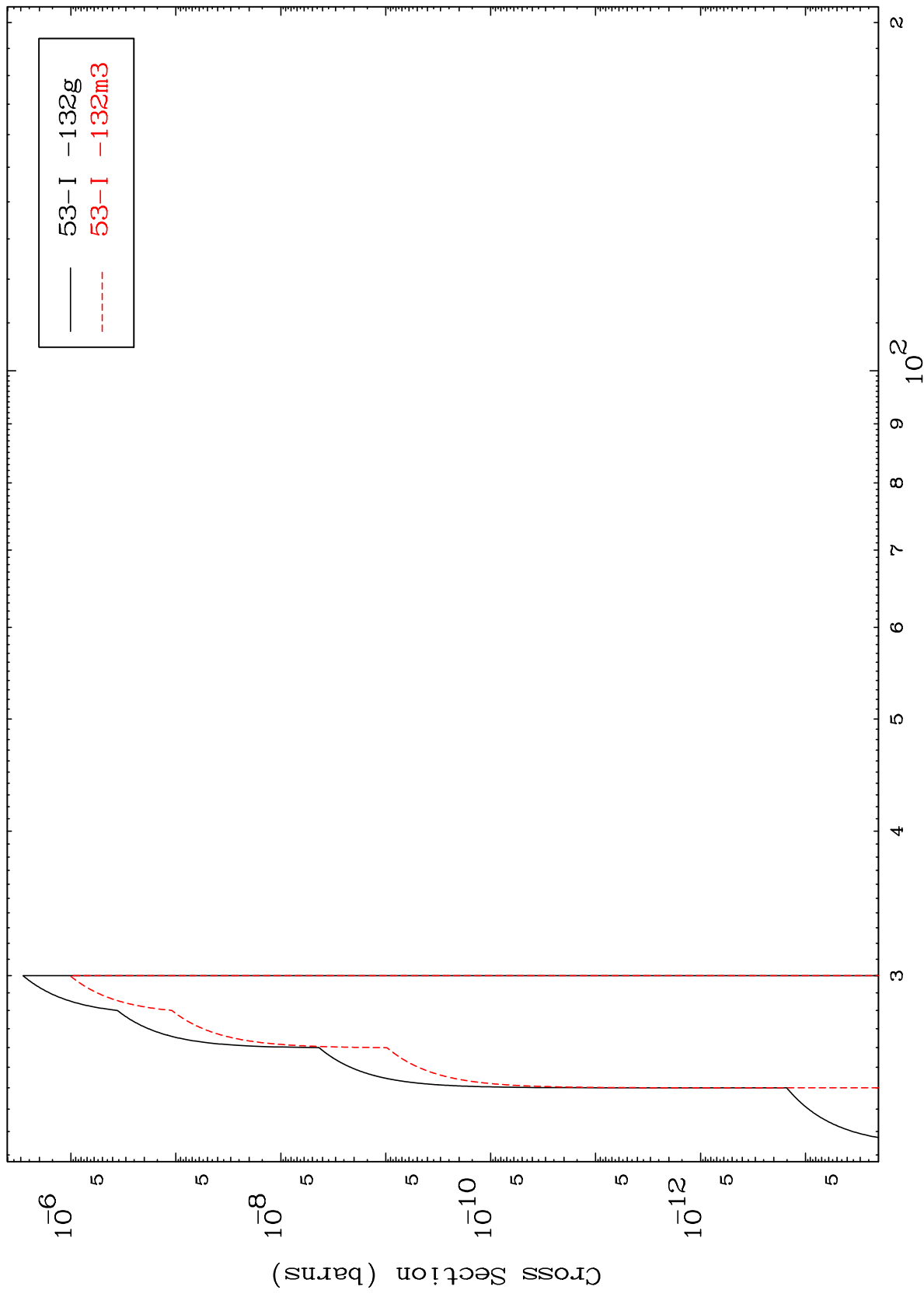
54-Xe-135m

MAT 5459

(n,n') d

54-Xe-135m

Radionuclide Production Cross Section



14

Incident Energy (MeV)

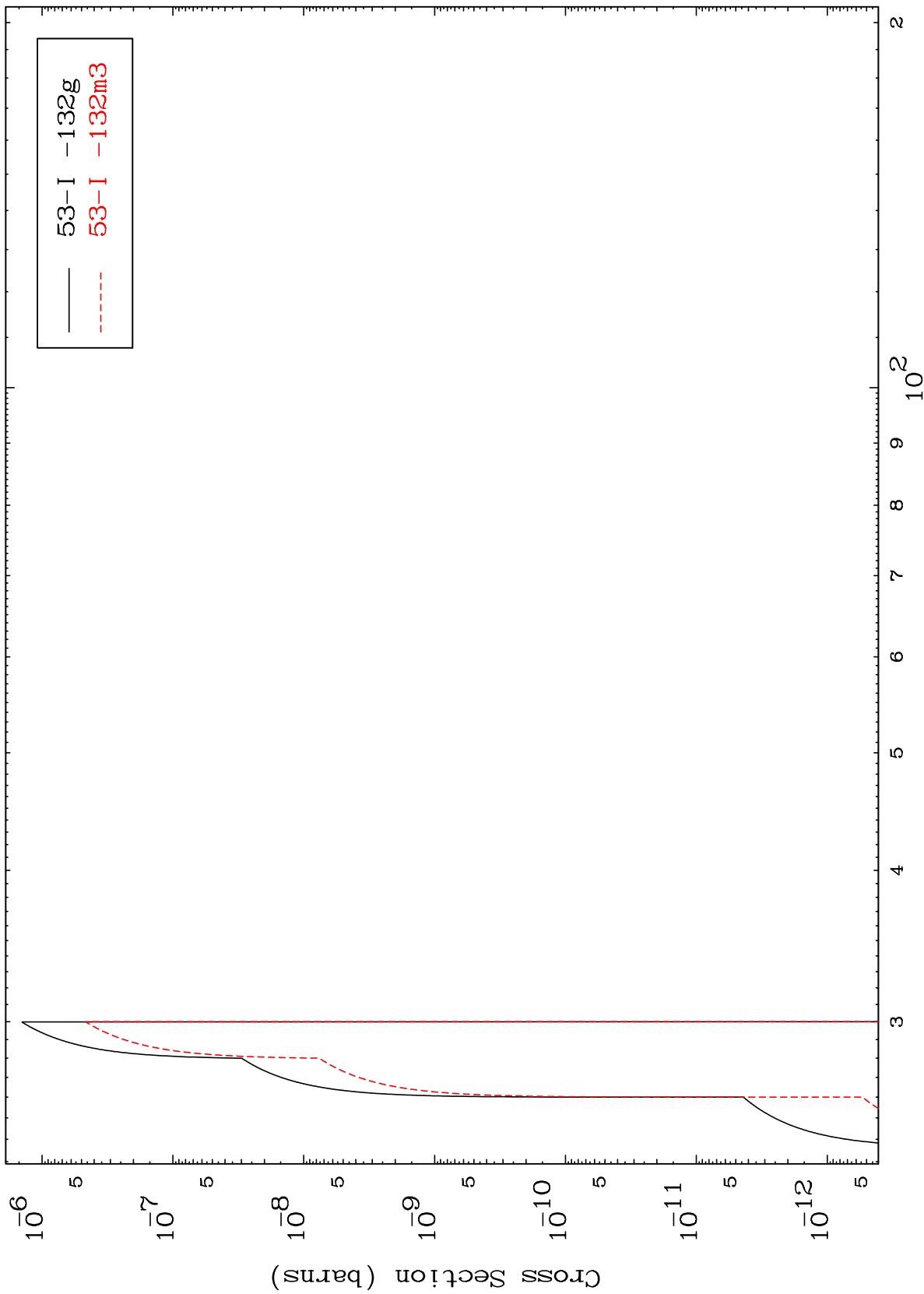
54-Xe-135m

MAT 5459

(n,2n) p

54-Xe-135m

Radionuclide Production Cross Section



53-I - 132g  
53-I - 132m3

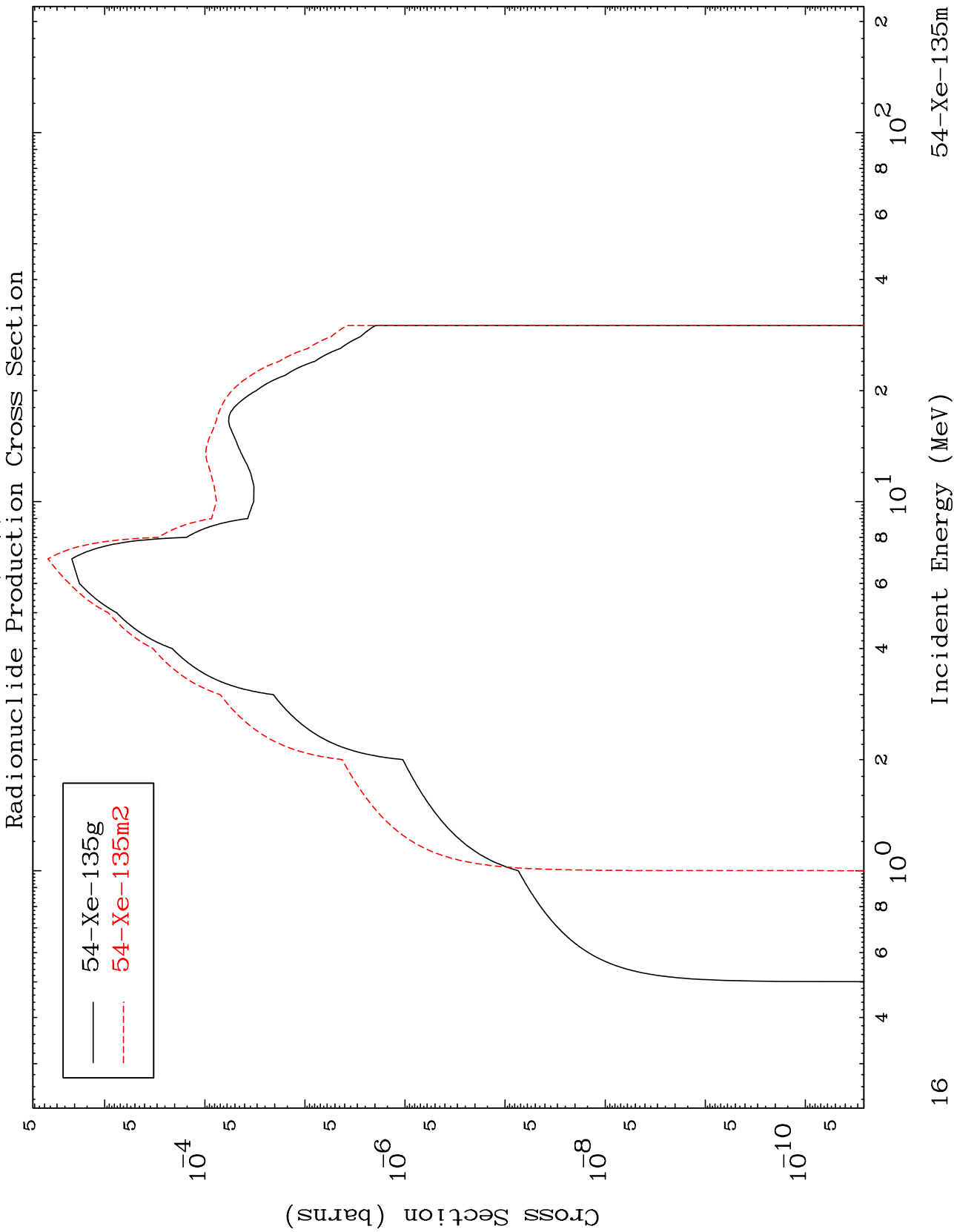
15

Incident Energy (MeV)

54-Xe-135m

MAT 5459

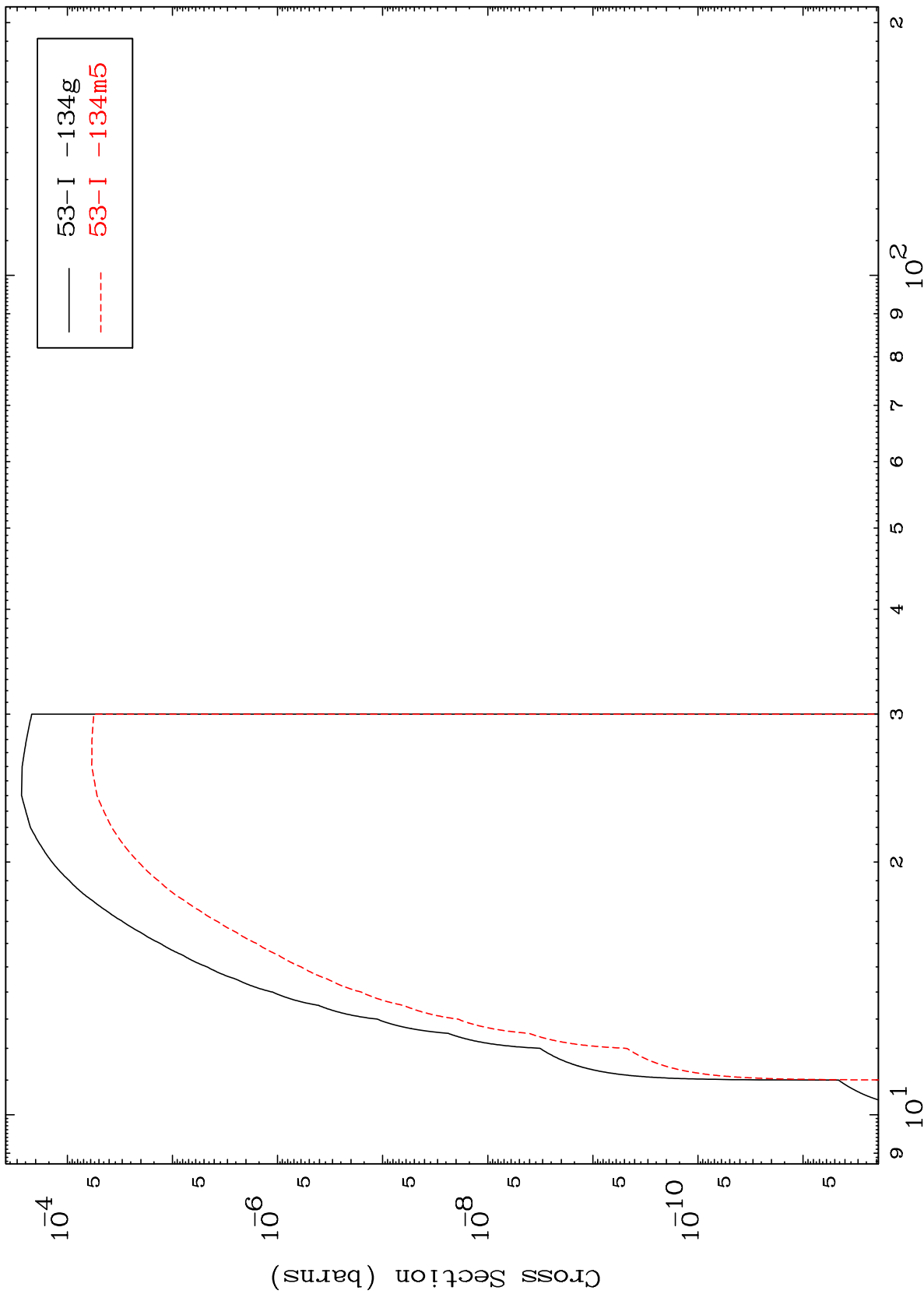
54-Xe-135m



MAT 5459

54-Xe-135m

(n,p)  
Radionuclide Production Cross Section



53-I -134g  
53-I -134m5

54-Xe-135m

Incident Energy (MeV)

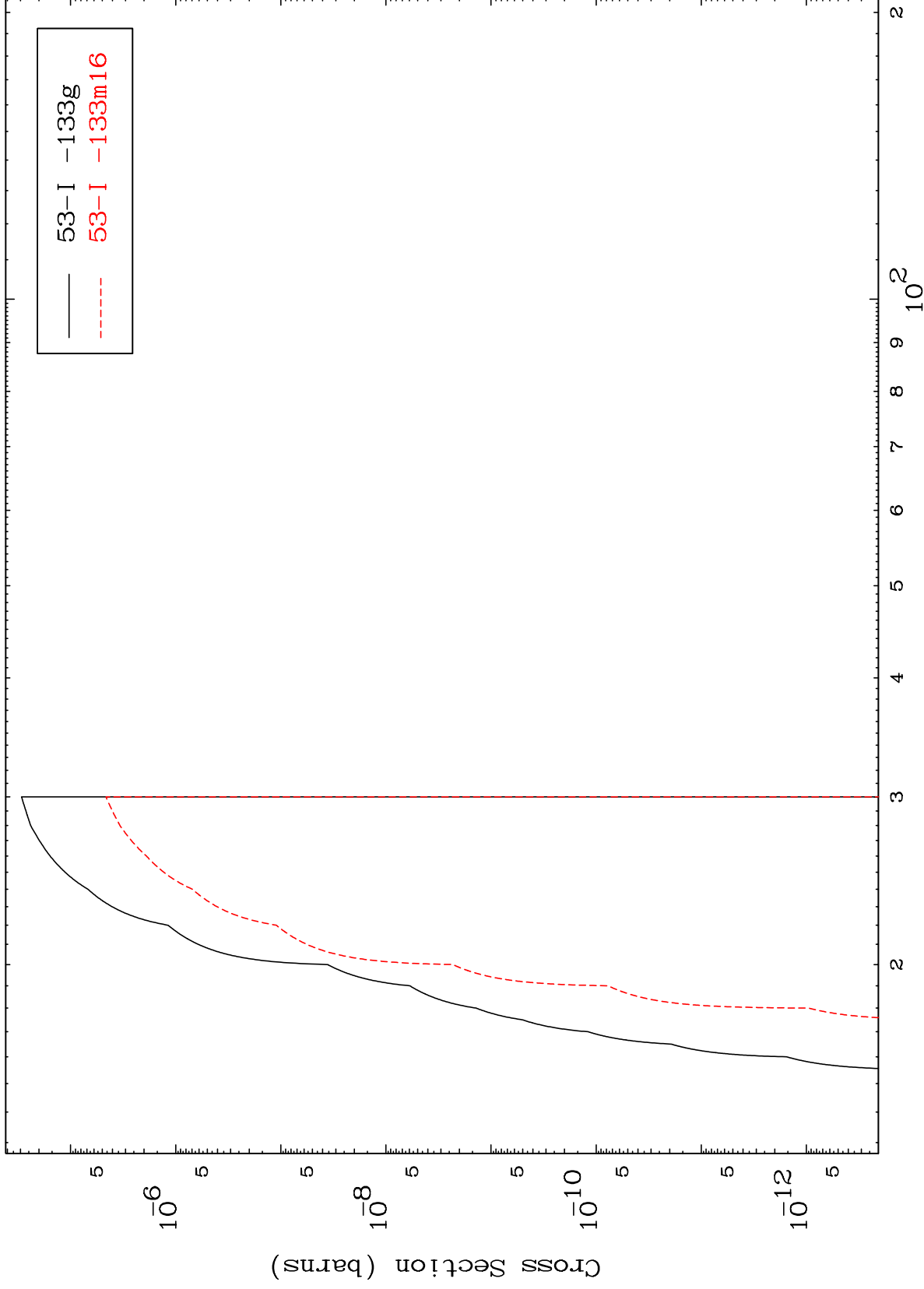
17

MAT 5459

(n,d)

54-Xe-135m

Radionuclide Production Cross Section



18

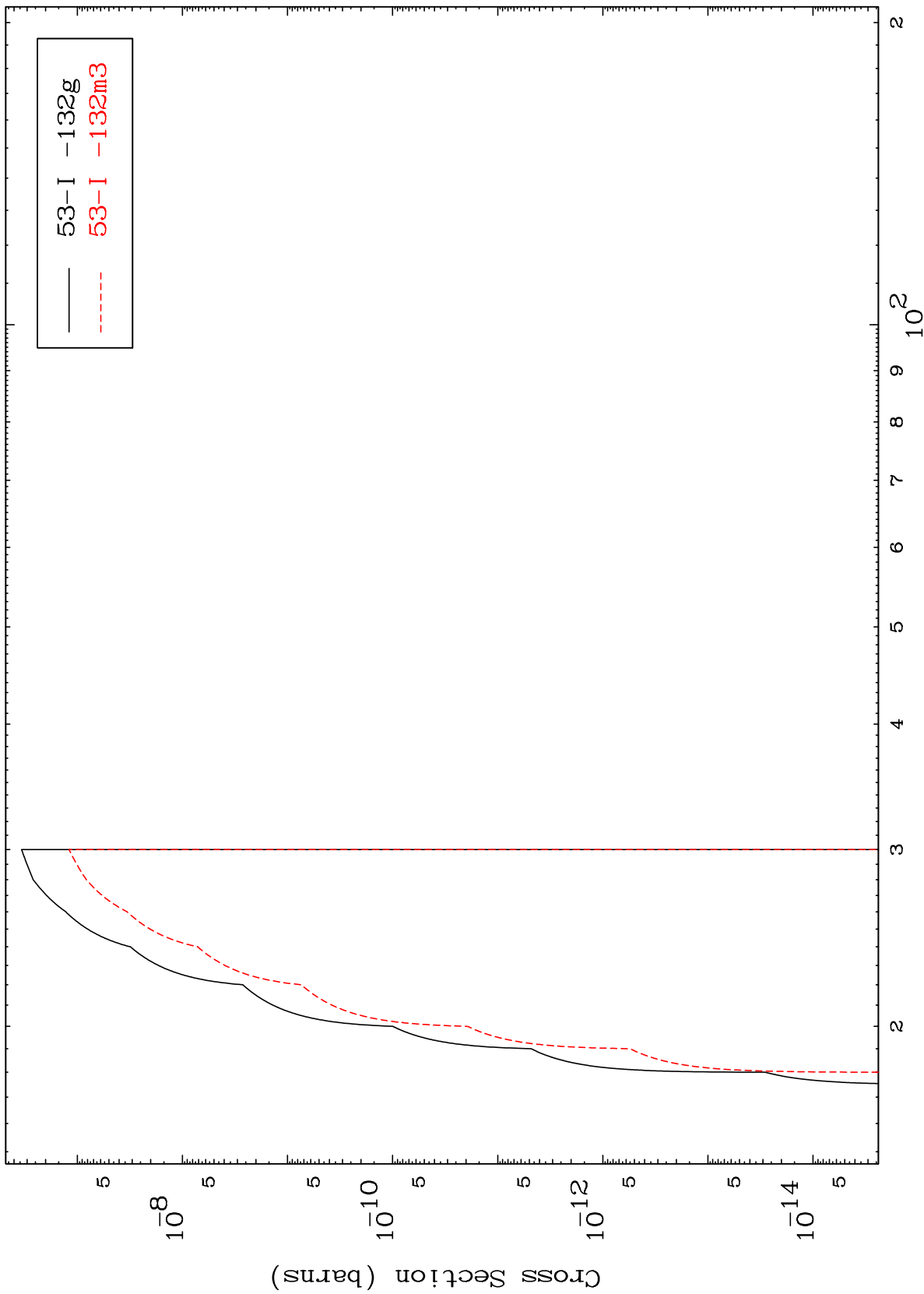
Incident Energy (MeV)

54-Xe-135m

MAT 5459

54-Xe-135m

(n,t)  
Radionuclide Production Cross Section



19

Incident Energy (MeV)

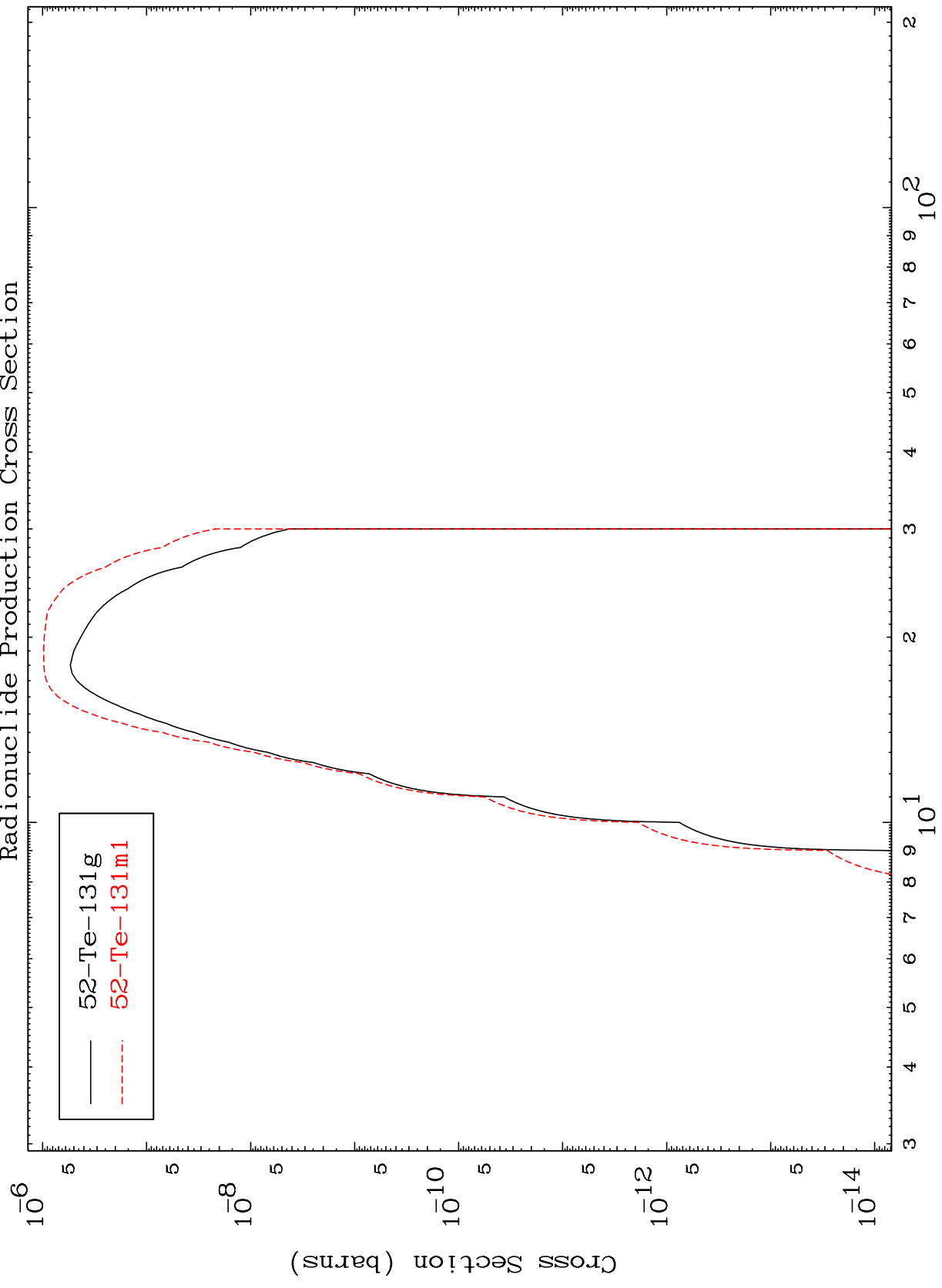
54-Xe-135m

MAT 5459

54-Xe-135m

Radionuclide Production Cross Section

(n,  $\alpha$ )



Incident Energy (MeV)

54-Xe-135m

20