

Program EVALPLOT  
(Version 2018-1)

by

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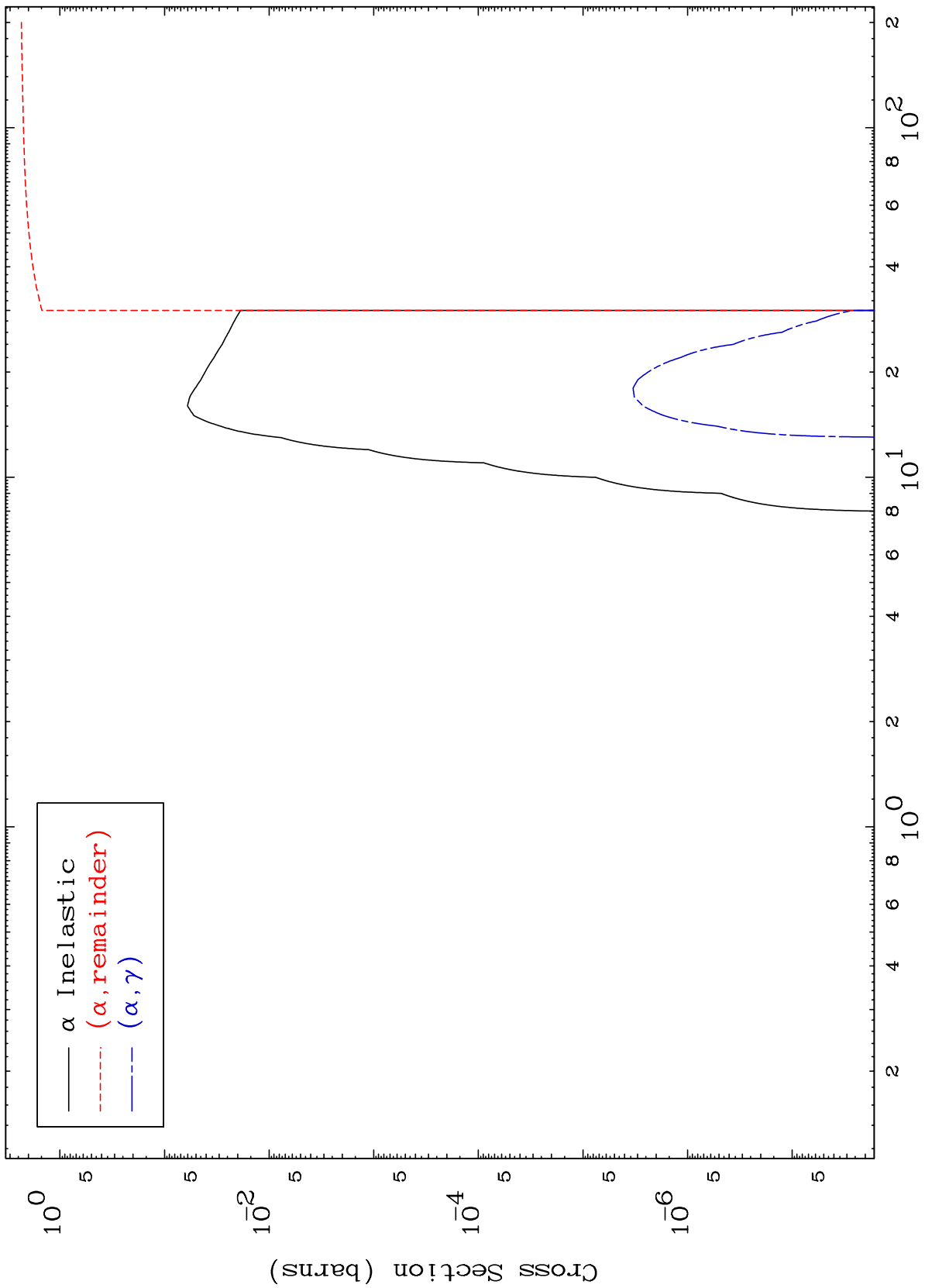
Press Mouse Button to Start

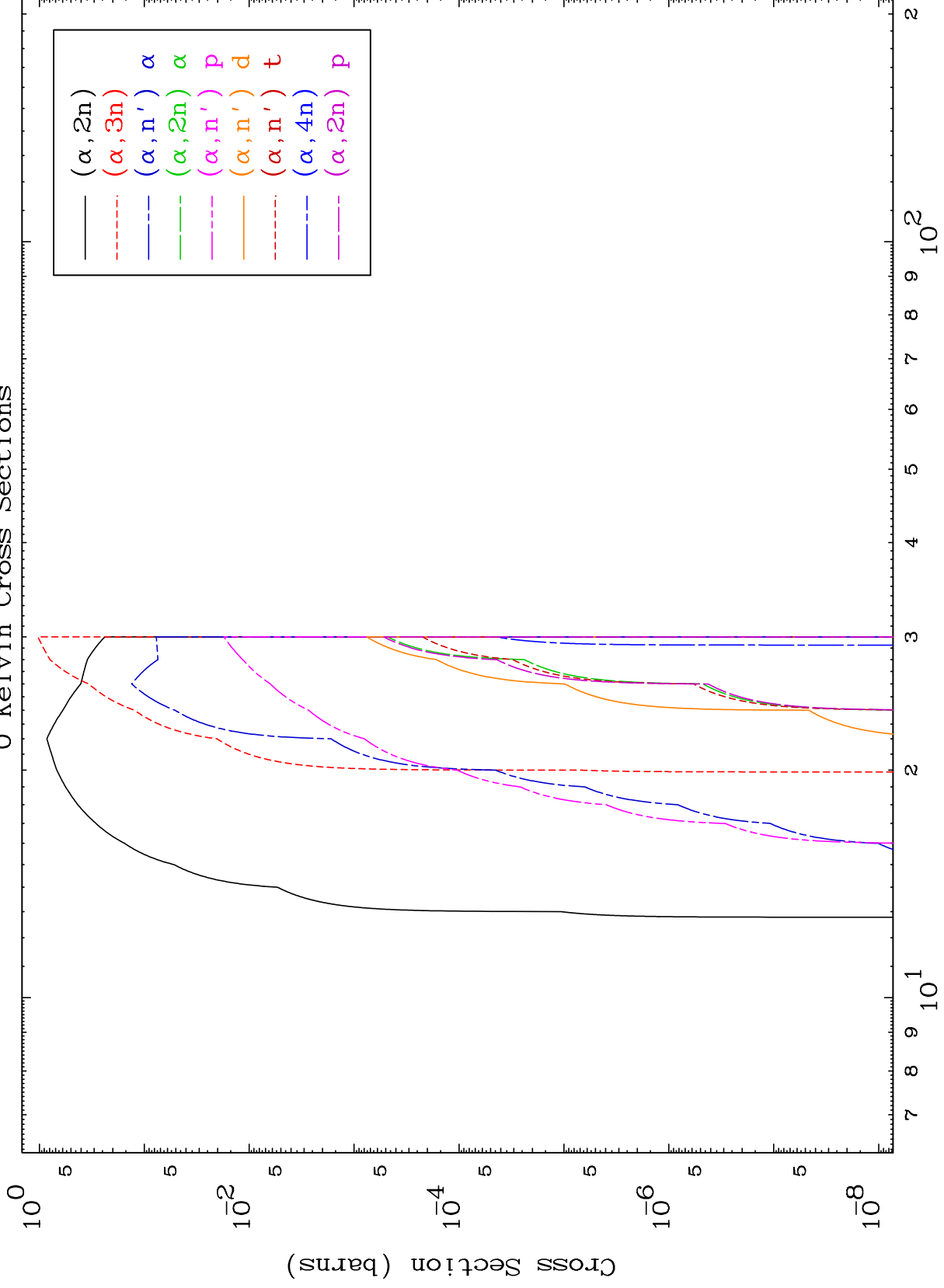
MAT 5458

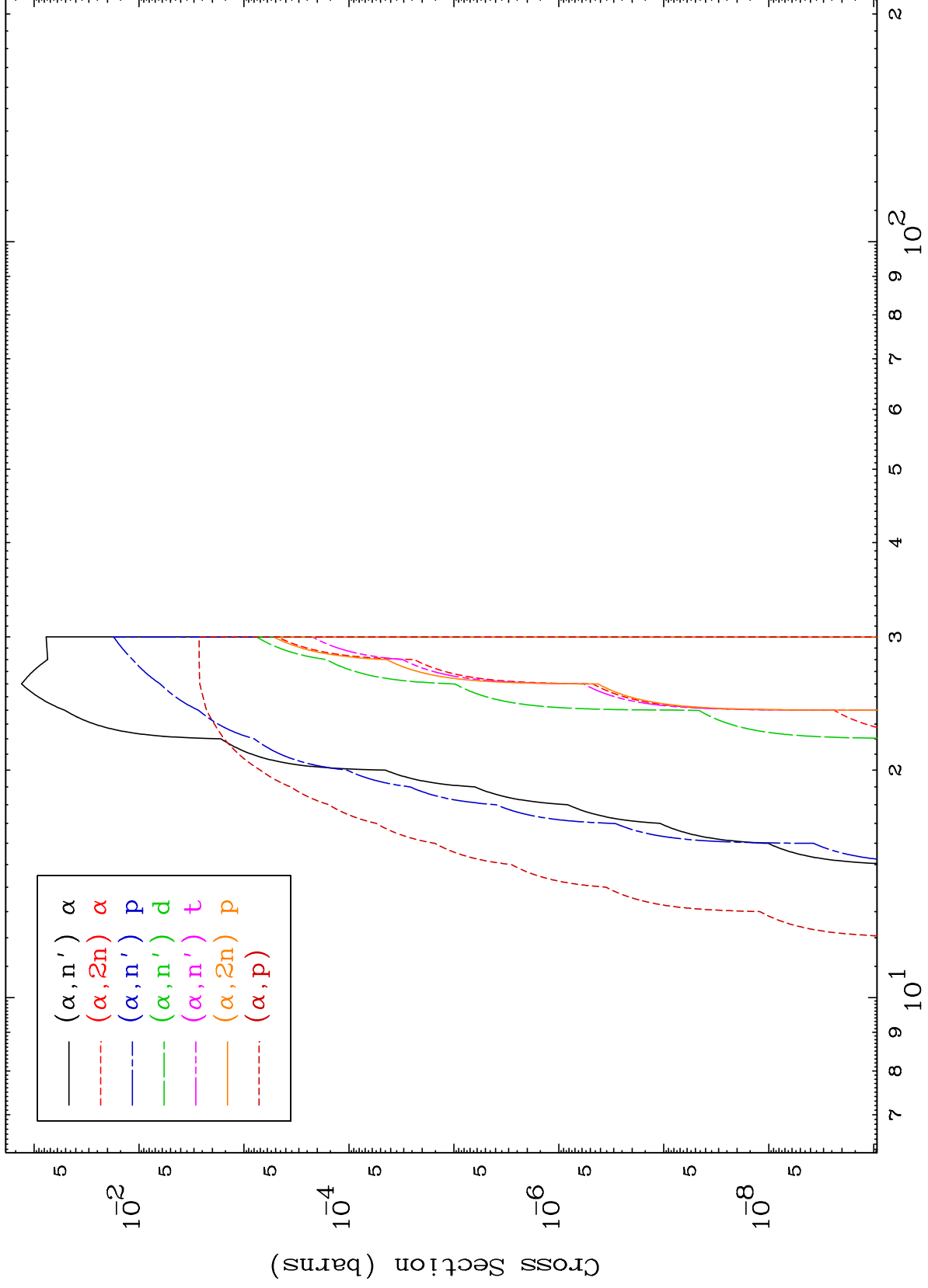
$\alpha$  Major

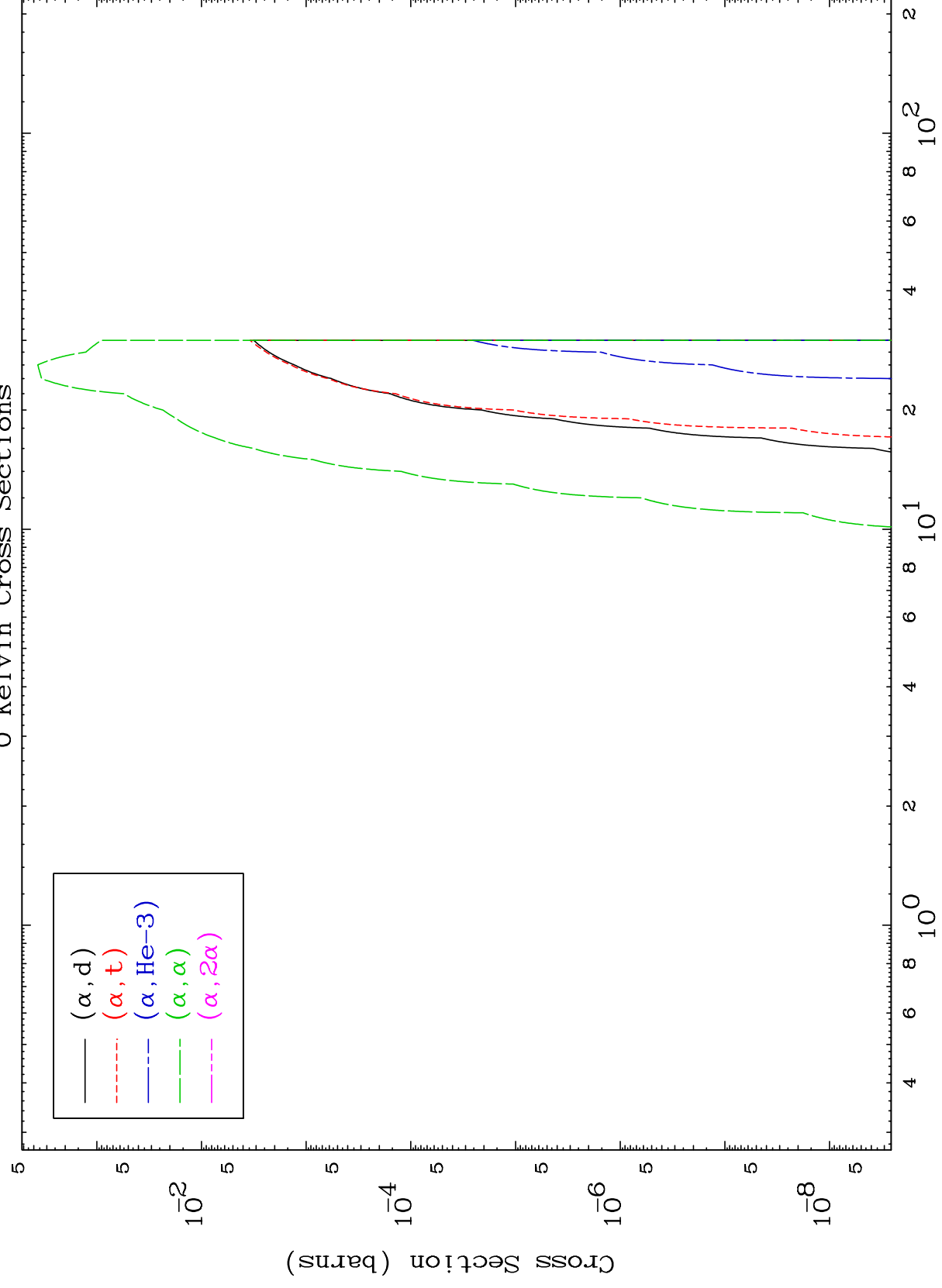
54-Xe-135

0 Kelvin Cross Sections







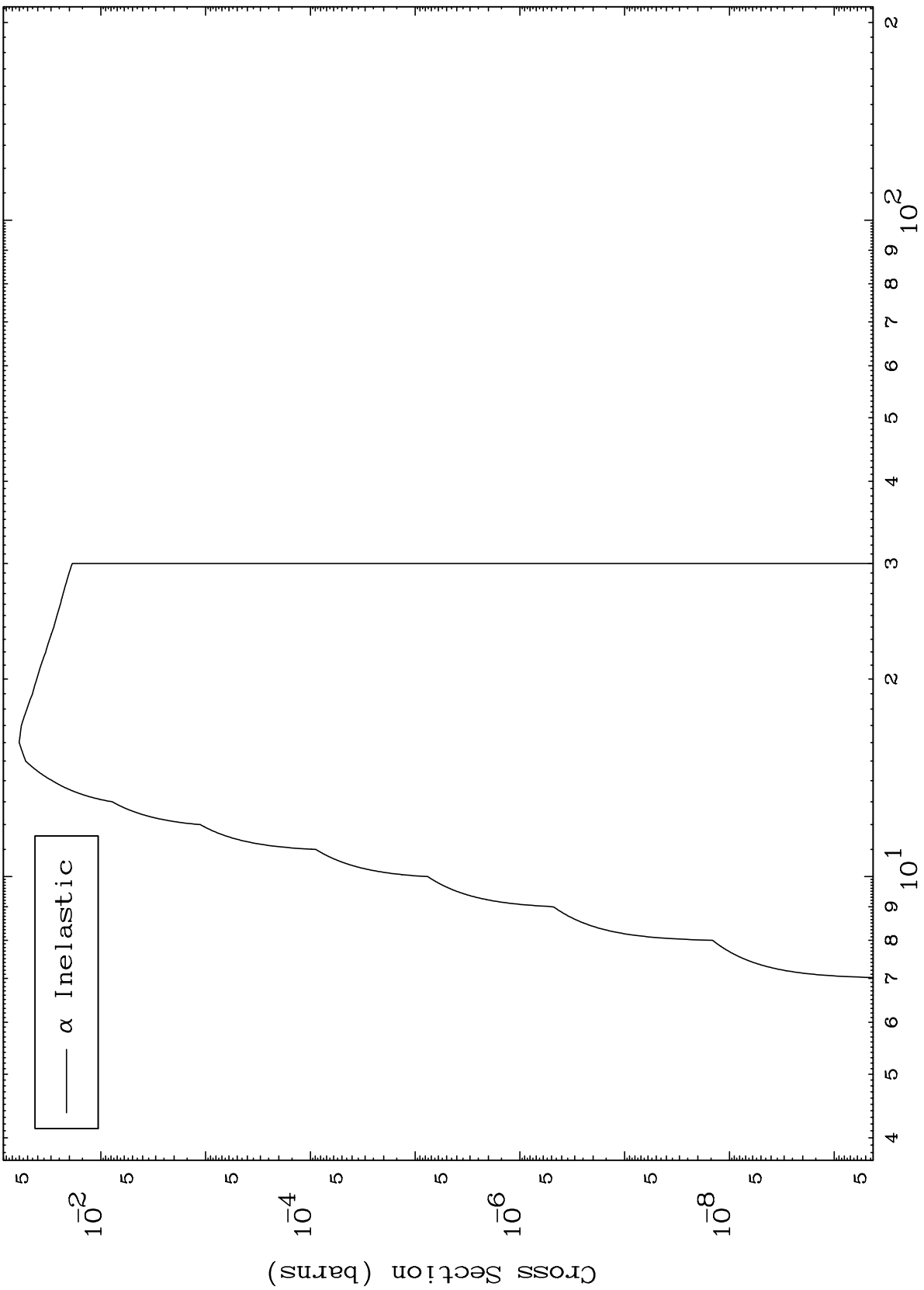


MAT 5458

( $\alpha, n'$ ) Level

54-Xe-135

0 Kelvin Cross Sections



5

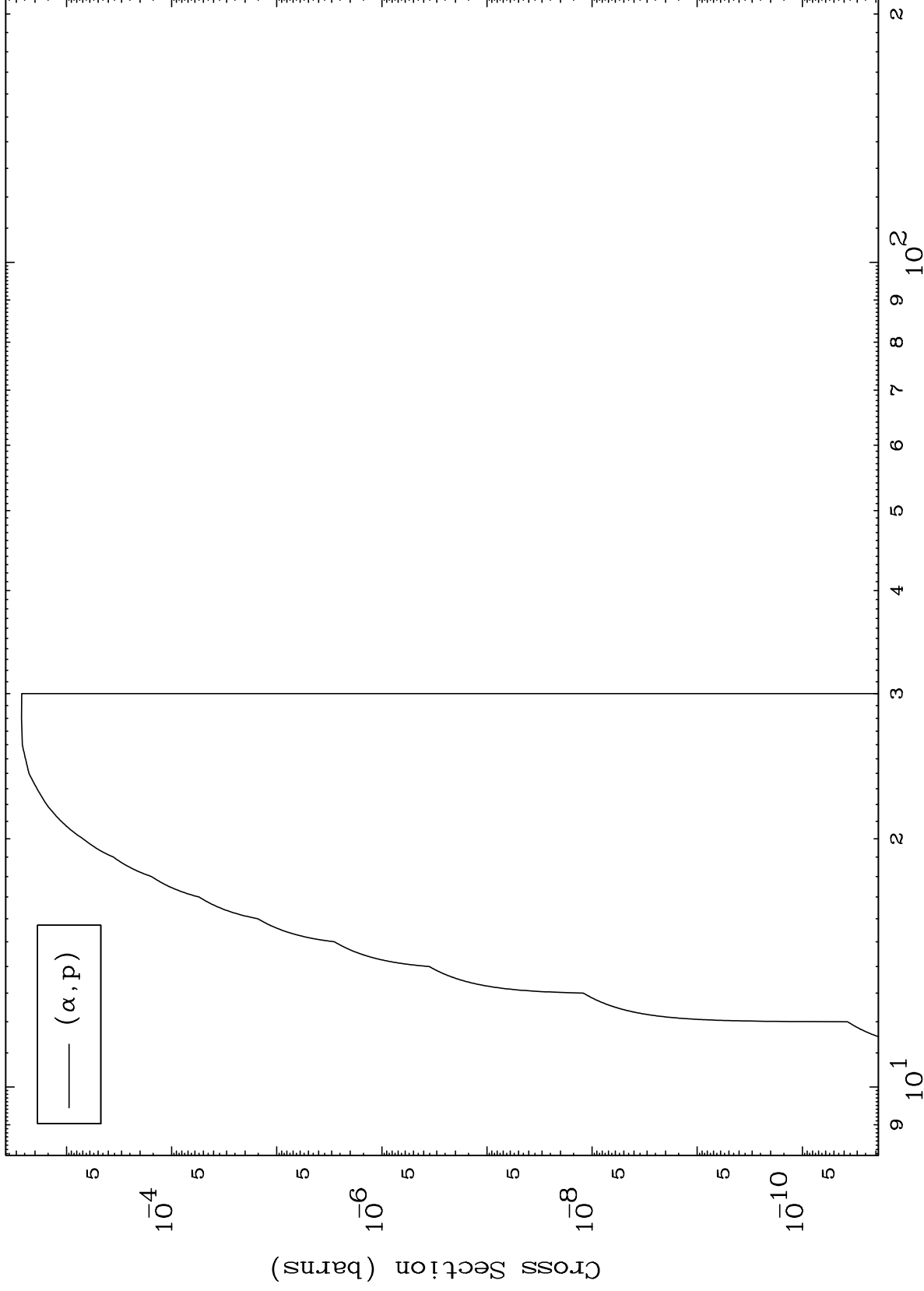
Incident Energy (MeV)

54-Xe-135

MAT 5458

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

54-Xe-135



Incident Energy (MeV)

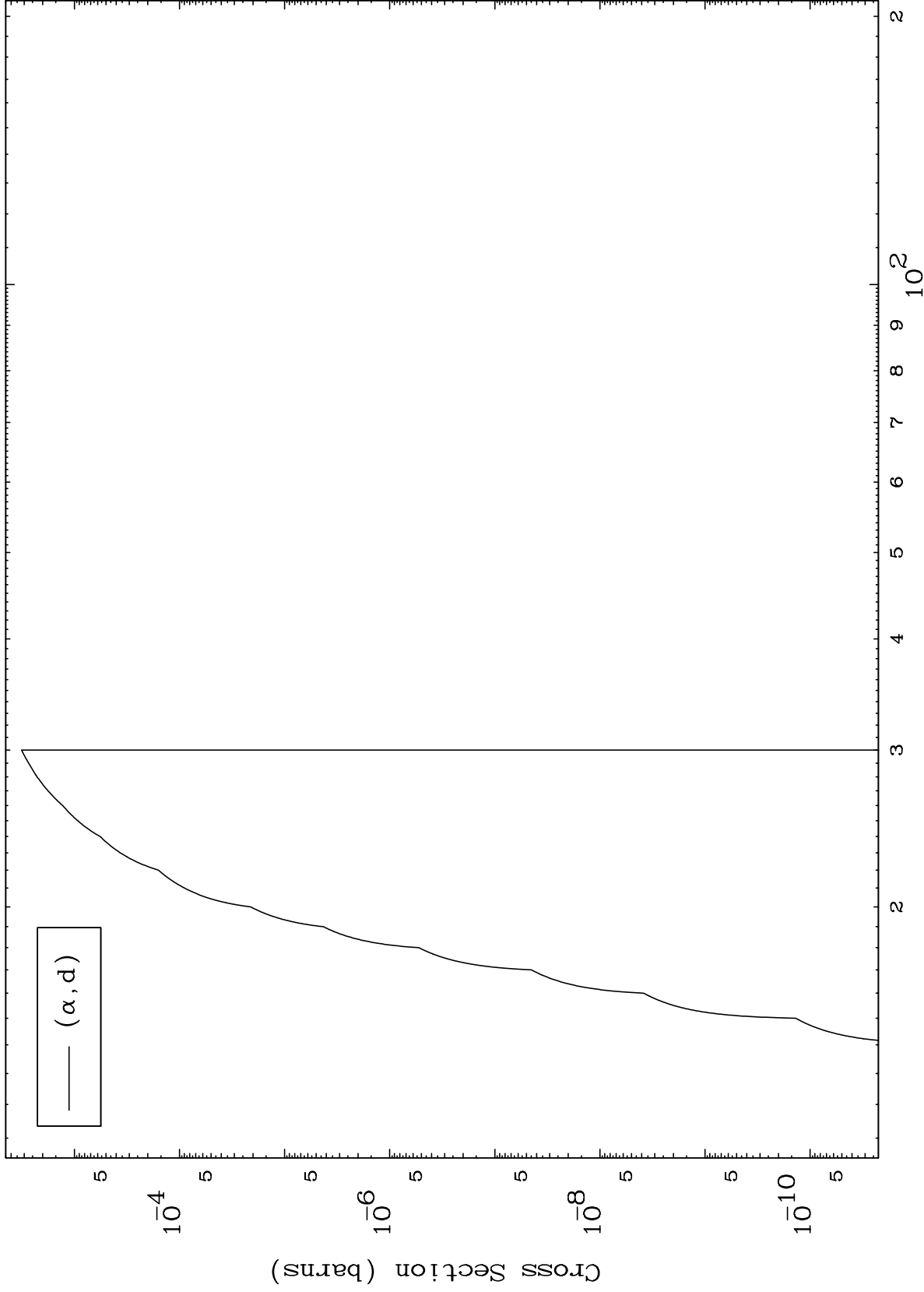
54-Xe-135

6

MAT 5458

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

54-Xe-135



7

Incident Energy (MeV)

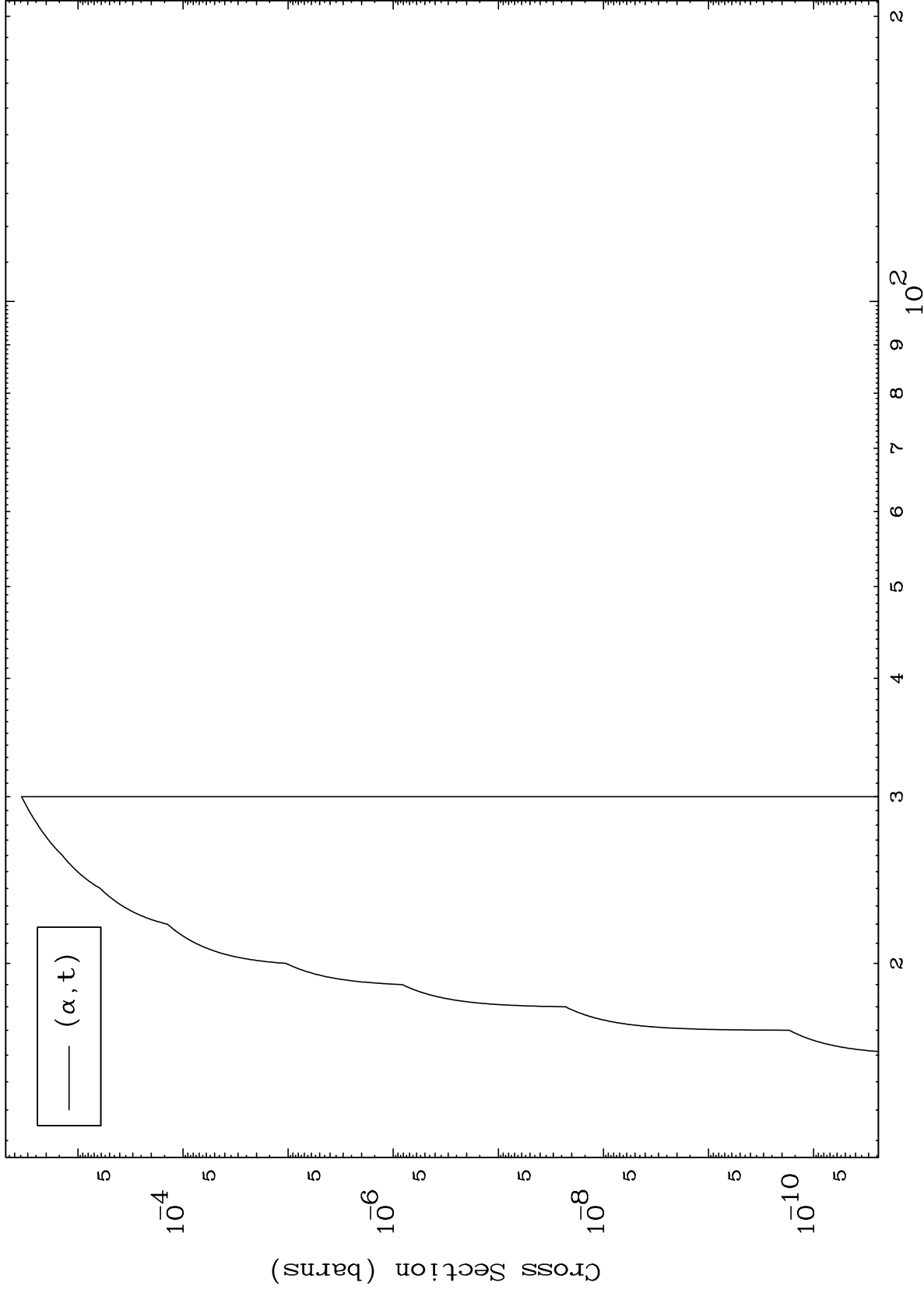
54-Xe-135



MAT 5458

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

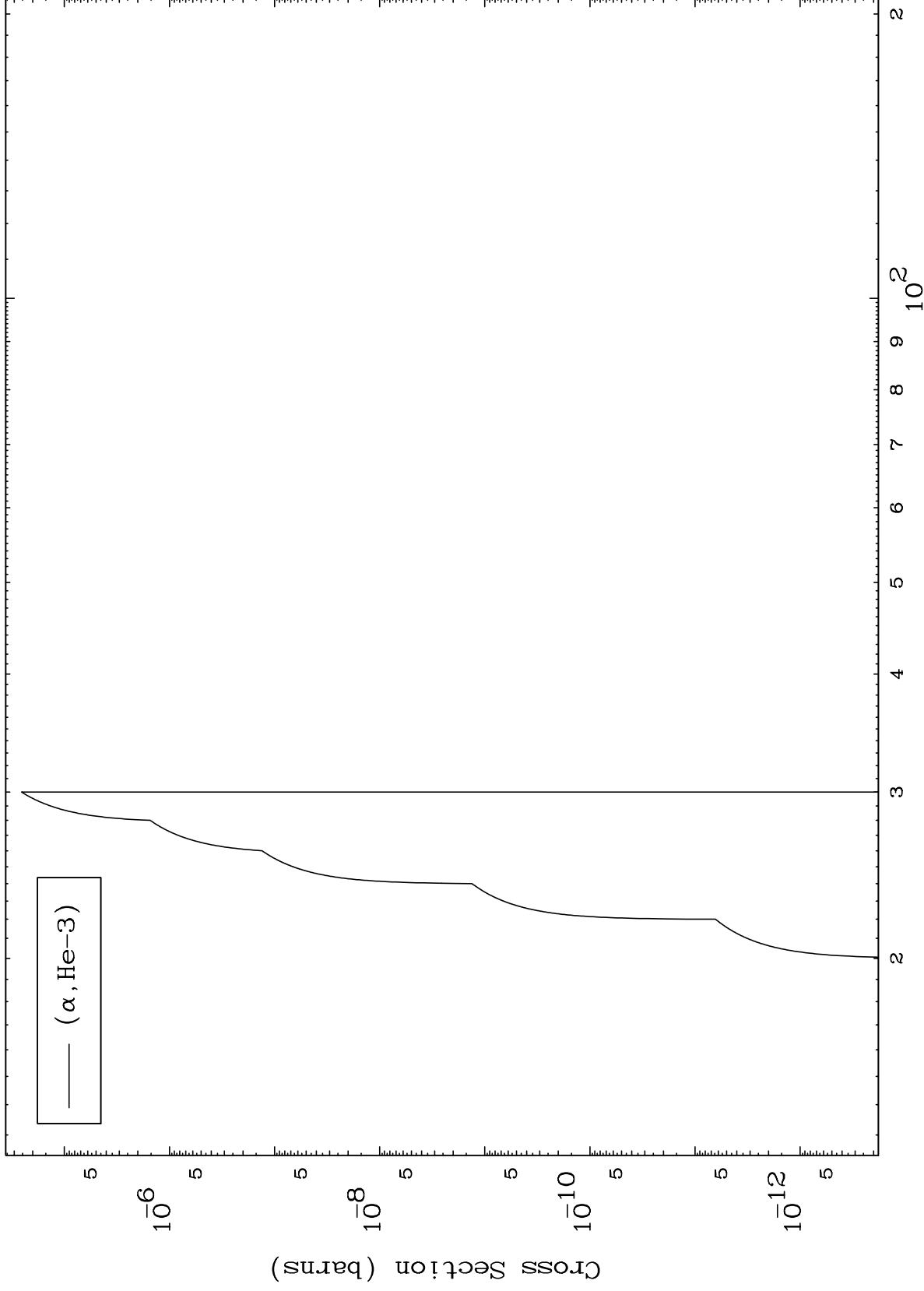
54-Xe-135



8

Incident Energy (MeV)

54-Xe-135

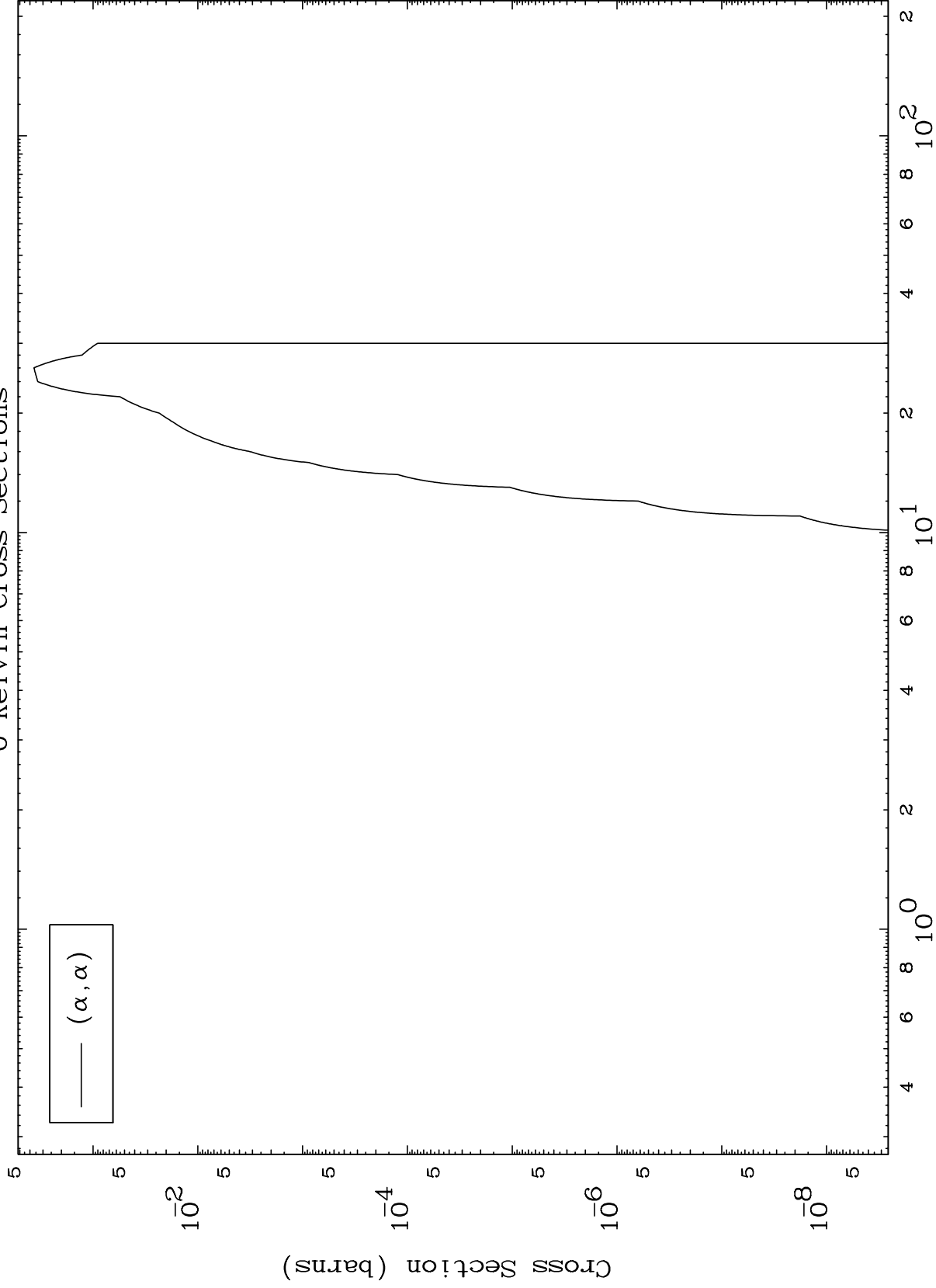


MAT 5458

( $\alpha, \alpha$ ) Levels

54-Xe-135

0 Kelvin Cross Sections



10

Incident Energy (MeV)

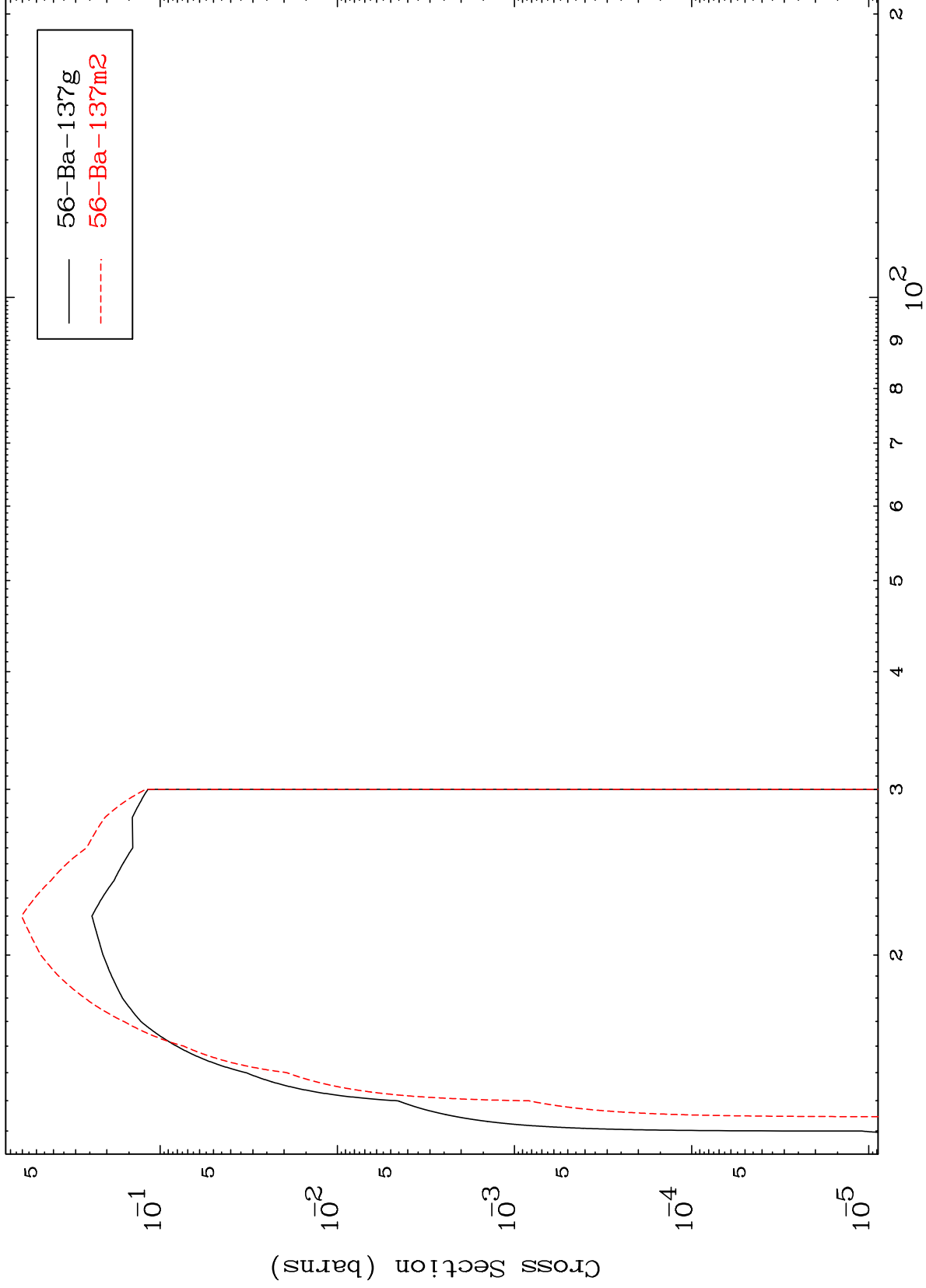
54-Xe-135

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( $\alpha, 2n$ )

54-Xe-135

Radionuclide Production Cross Section



11

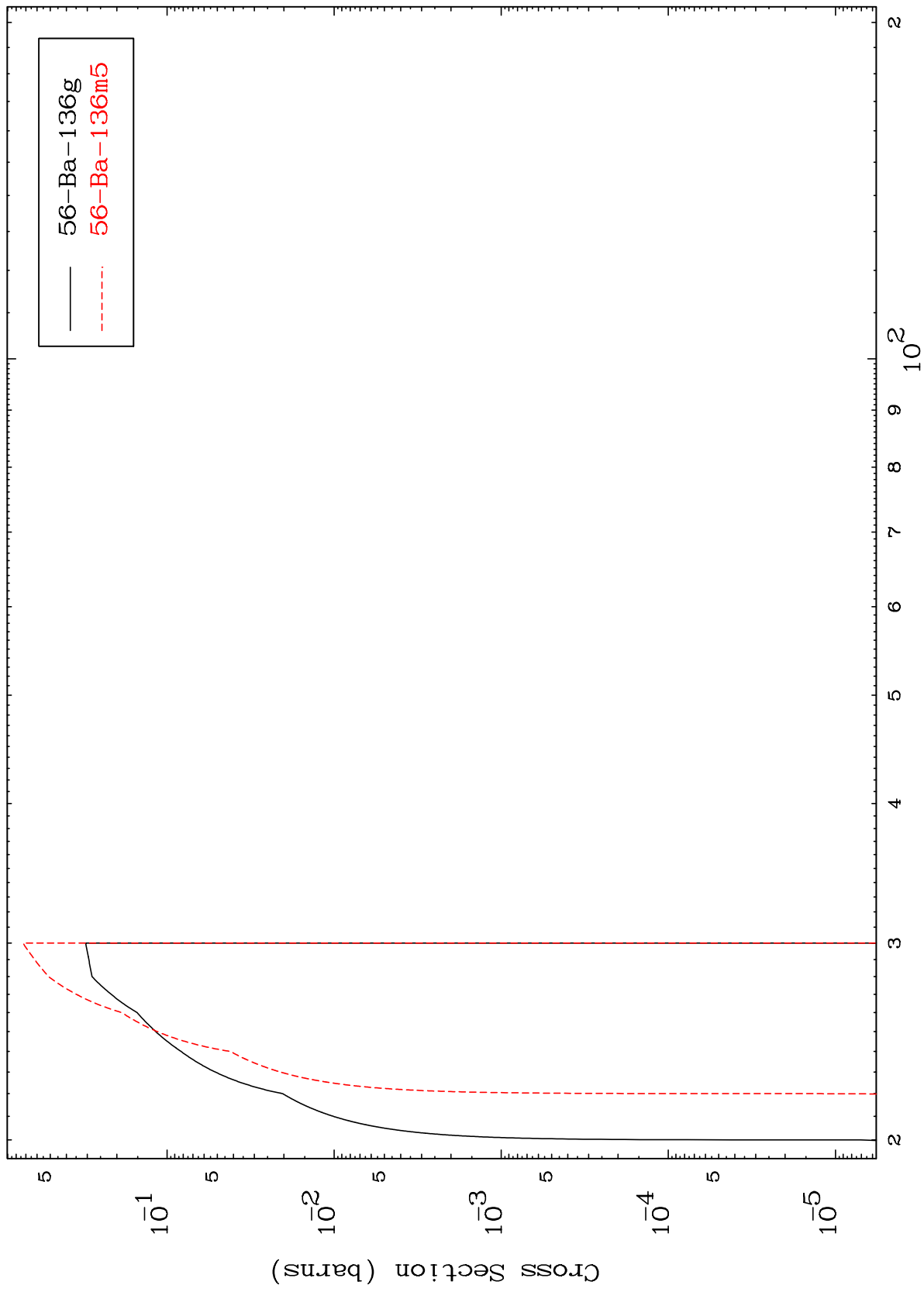
Incident Energy (MeV)

54-Xe-135

MAT 5458

54-Xe-135

( $\alpha, 3n$ )  
Radionuclide Production Cross Section



12

Incident Energy (MeV)

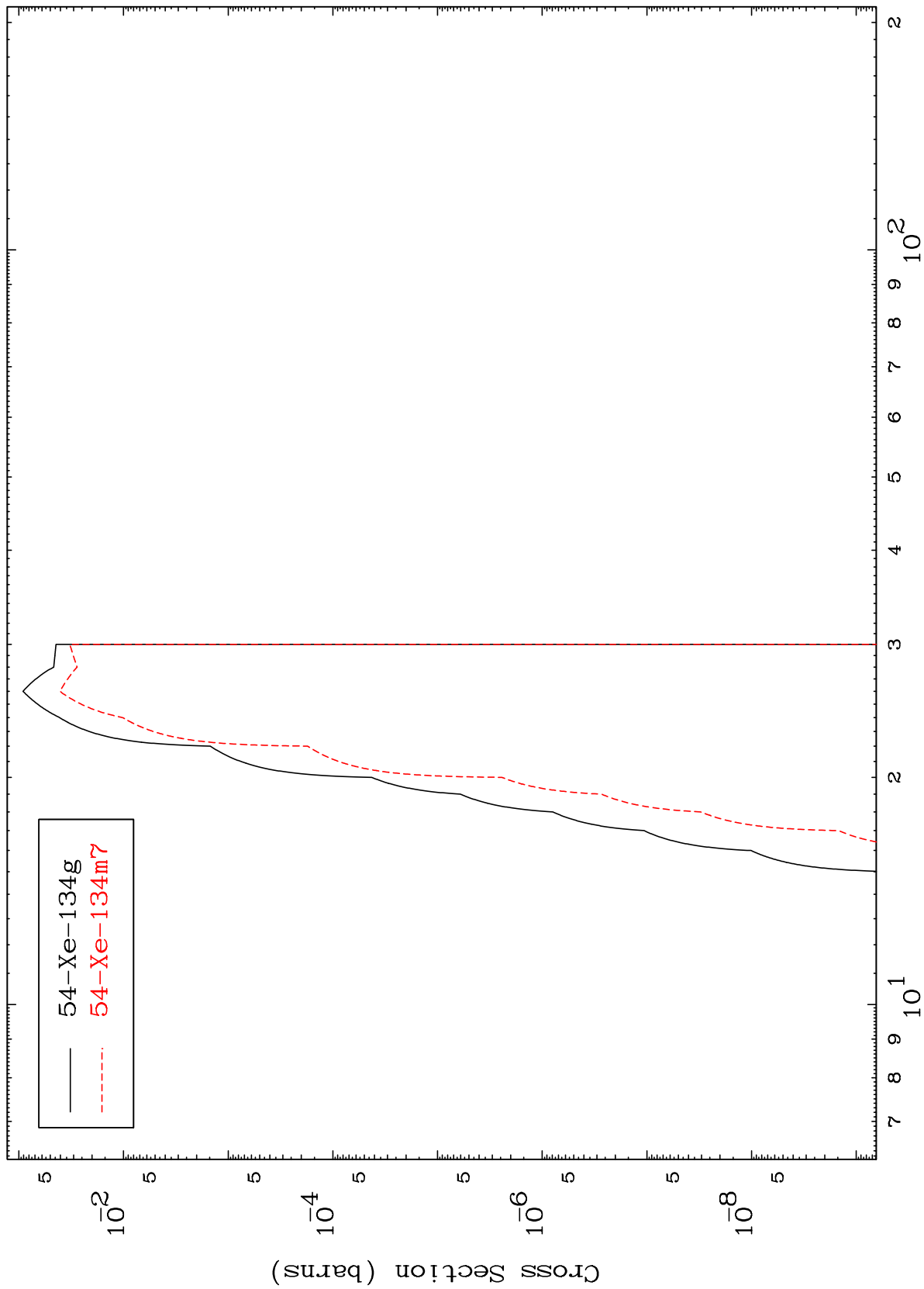
54-Xe-135

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$(\alpha, n')$   $\alpha$

54-Xe-135

Radionuclide Production Cross Section



13

Incident Energy (MeV)

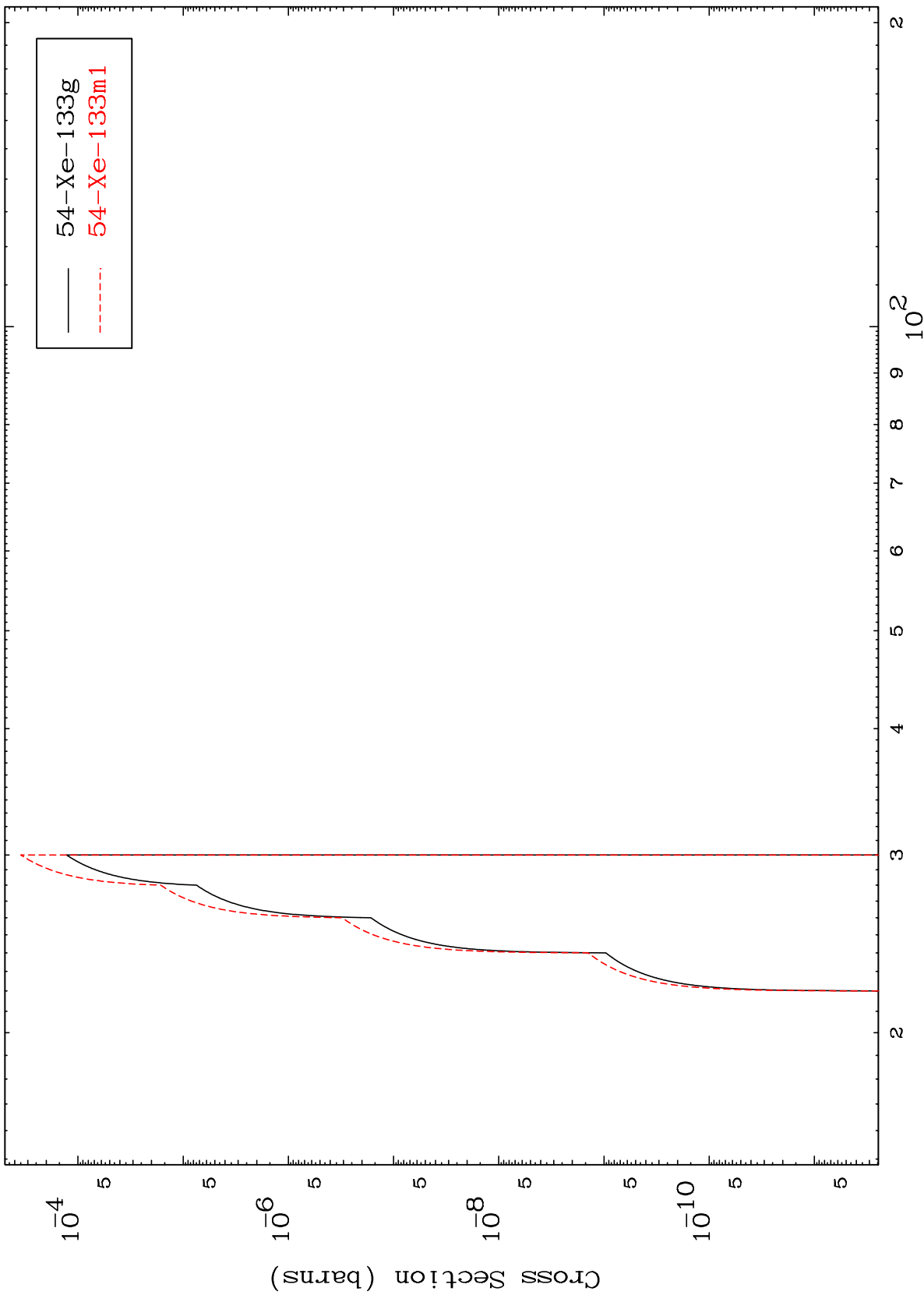
54-Xe-135

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$(\alpha, 2n) \alpha$

54-Xe-135

Radionuclide Production Cross Section



14

Incident Energy (MeV)

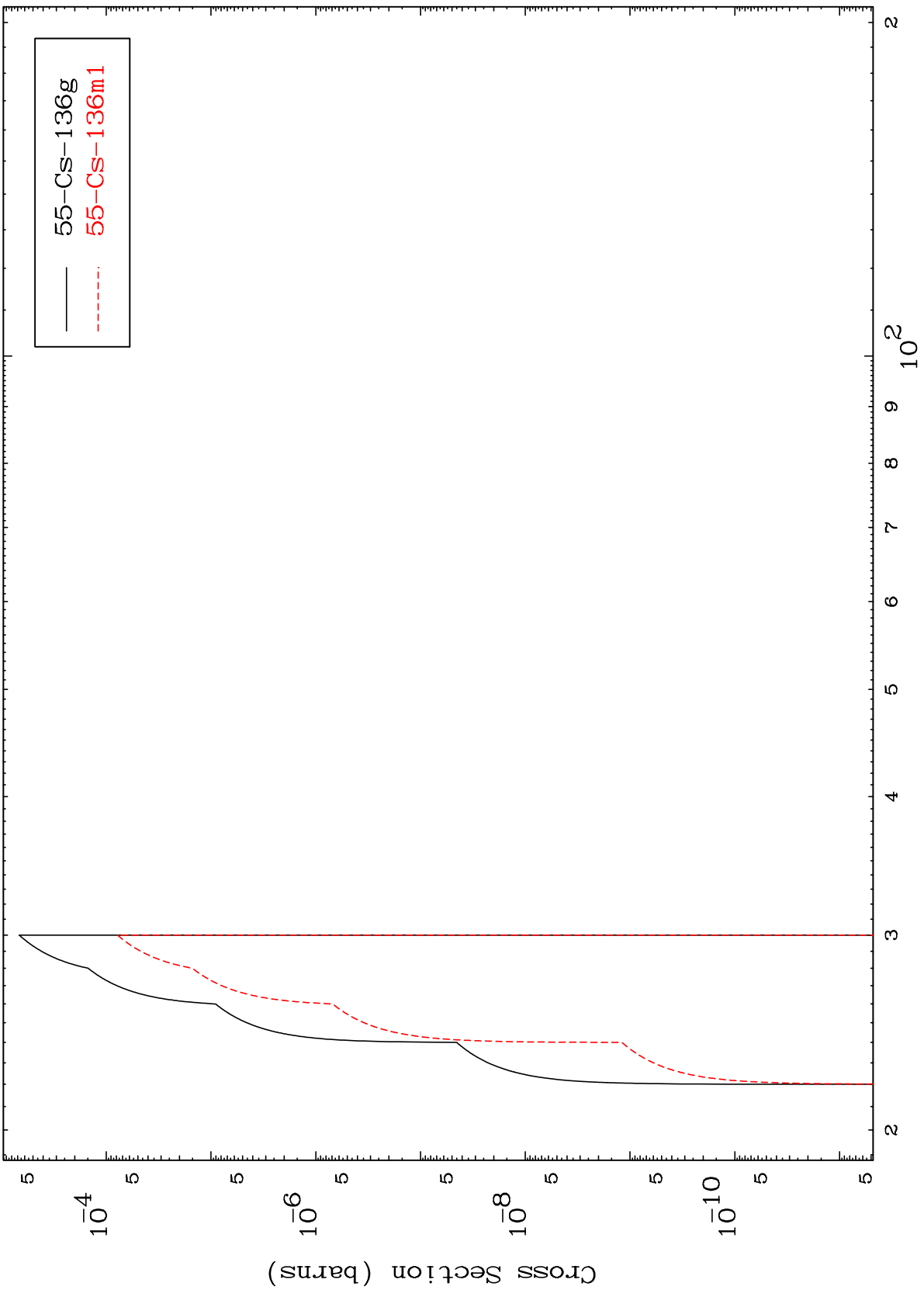
54-Xe-135

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$(\alpha, n')$  d

54-Xe-135

Radionuclide Production Cross Section



15

Incident Energy (MeV)

54-Xe-135

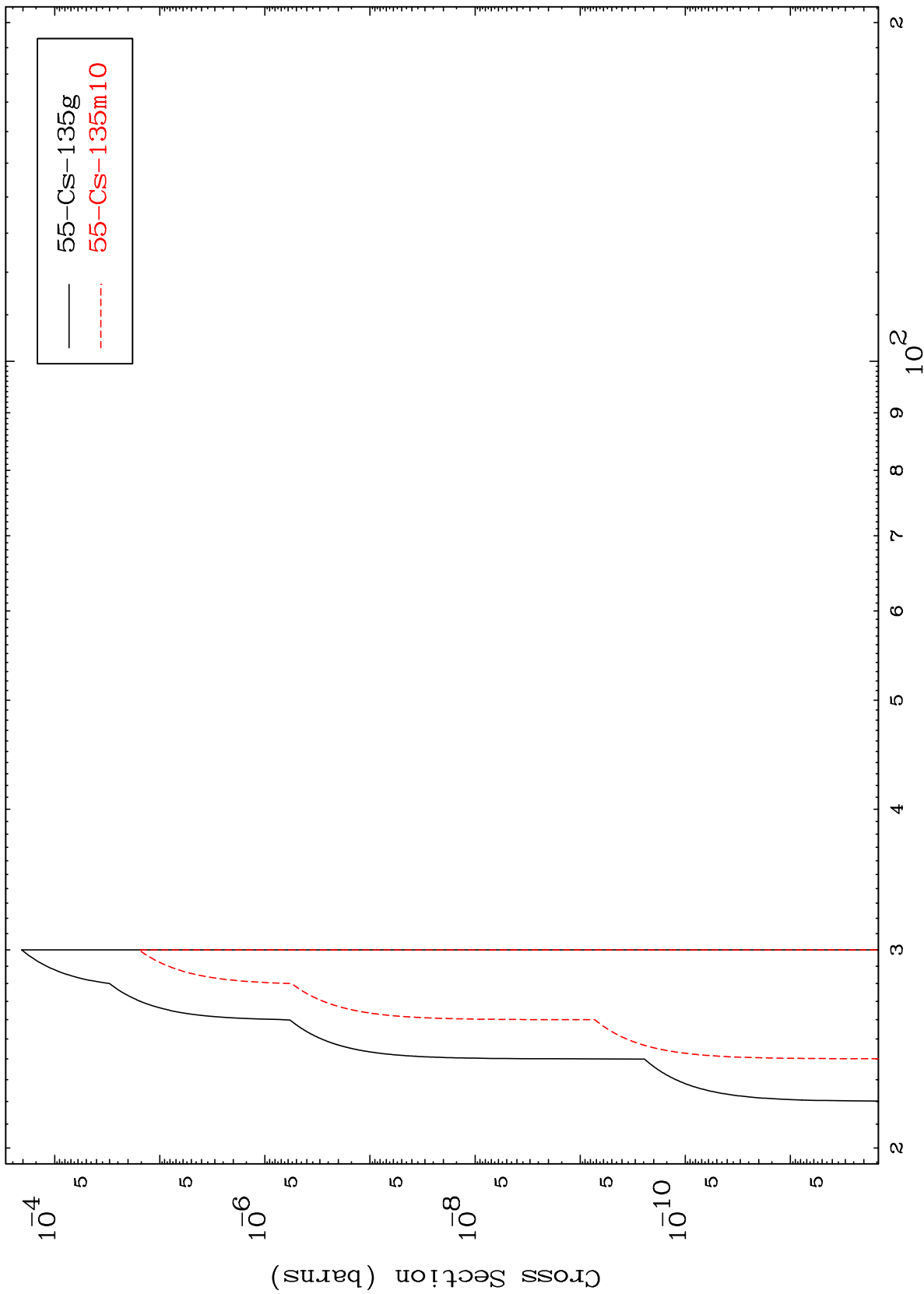


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$(\alpha, n')$  t

54-Xe-135

Radionuclide Production Cross Section



16

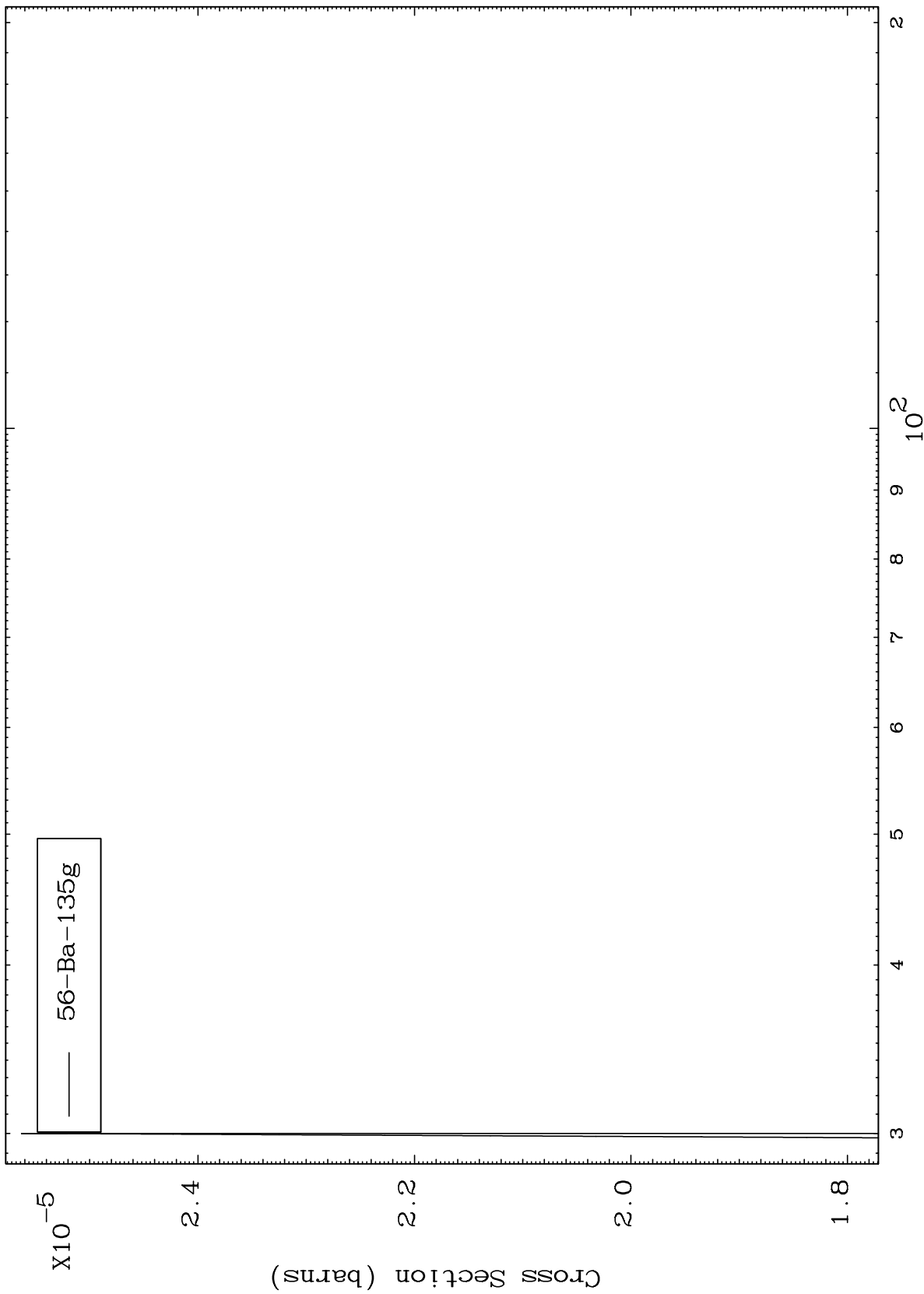
Incident Energy (MeV)

54-Xe-135

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54-Xe-135

( $\alpha, 4n$ )  
Radionuclide Production Cross Section



$10^{-5}$

2.4

2.2

2.0

1.8

$10^2$

3

4

5

6

7

8

9

10

Incident Energy (MeV)

54-Xe-135

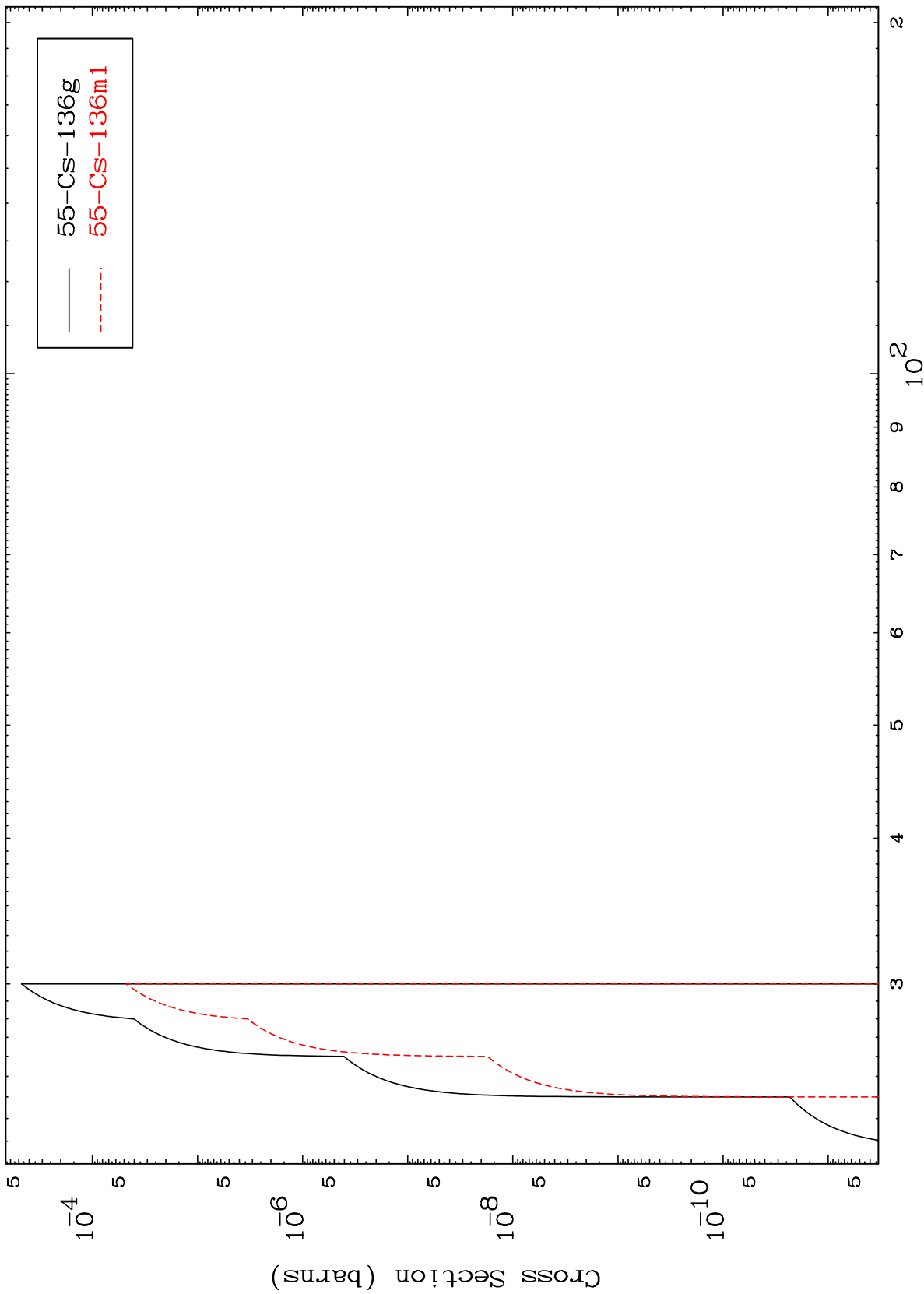
17

MAT 5458

( $\alpha, 2n$ ) p

54-Xe-135

Radionuclide Production Cross Section



18

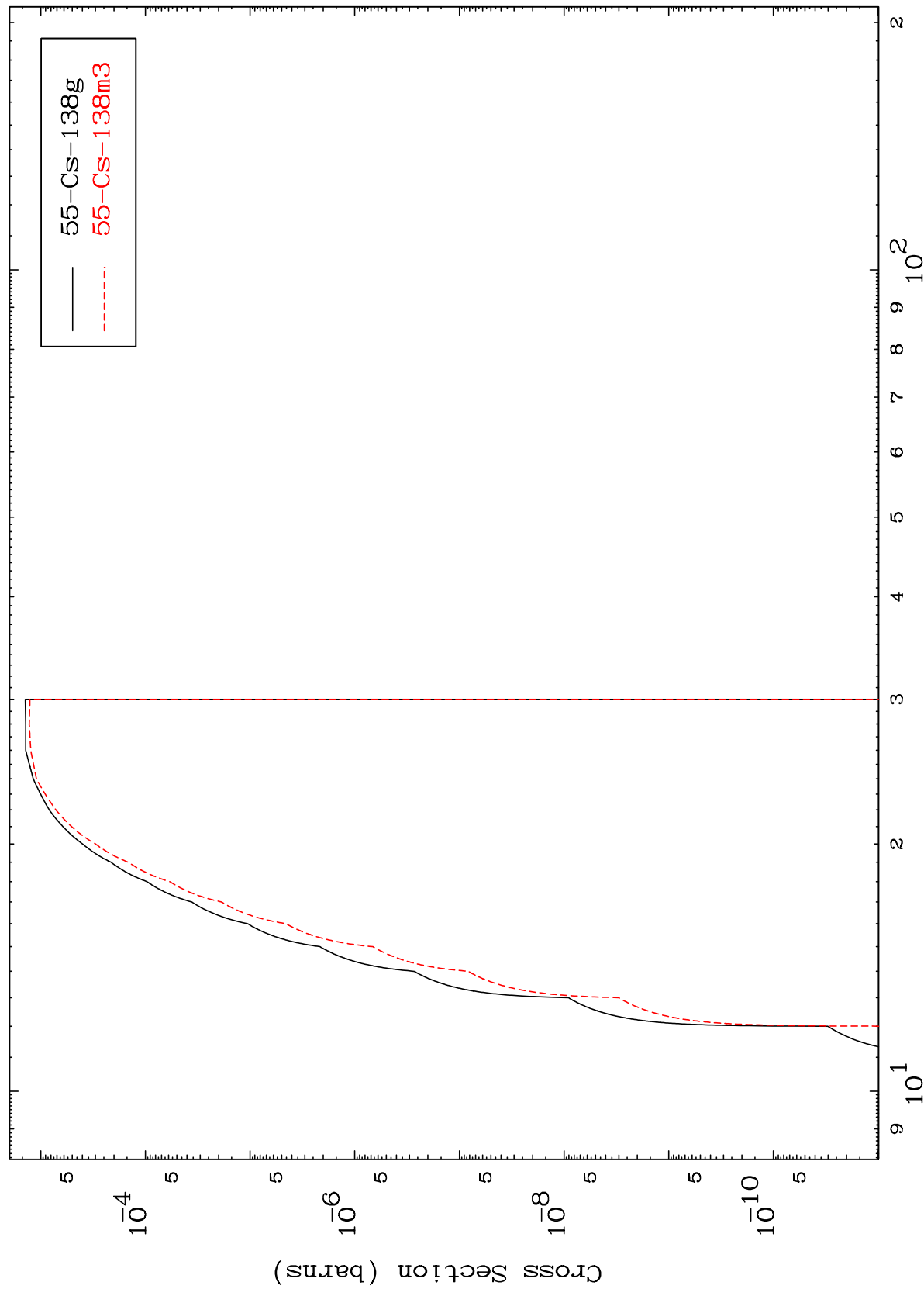
Incident Energy (MeV)

54-Xe-135

MAT 5458

54-Xe-135

( $\alpha, p$ )  
Radionuclide Production Cross Section



19

Incident Energy (MeV)

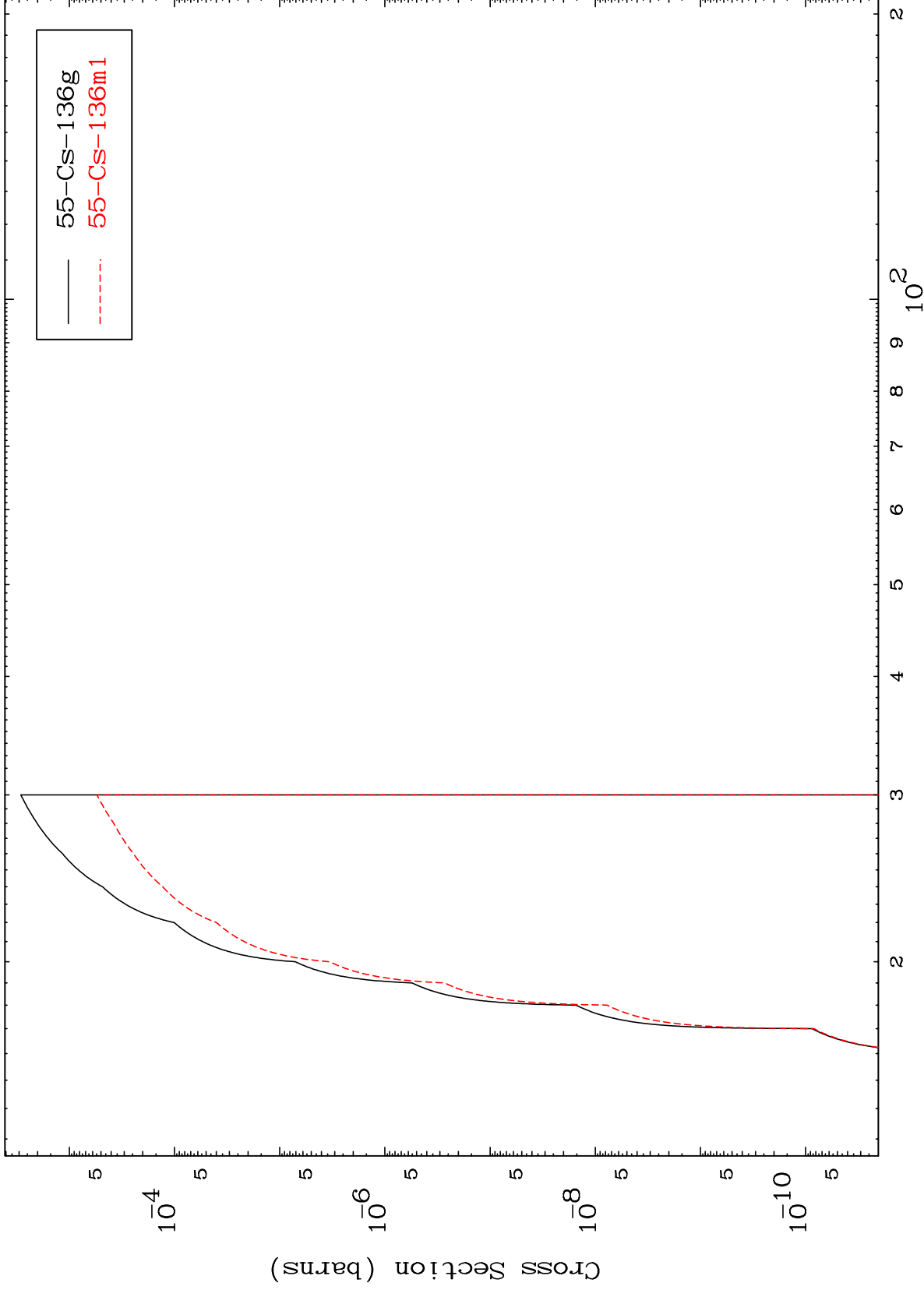
54-Xe-135

MAT 5458

( $\alpha, t$ )

54-Xe-135

Radionuclide Production Cross Section



20

Incident Energy (MeV)

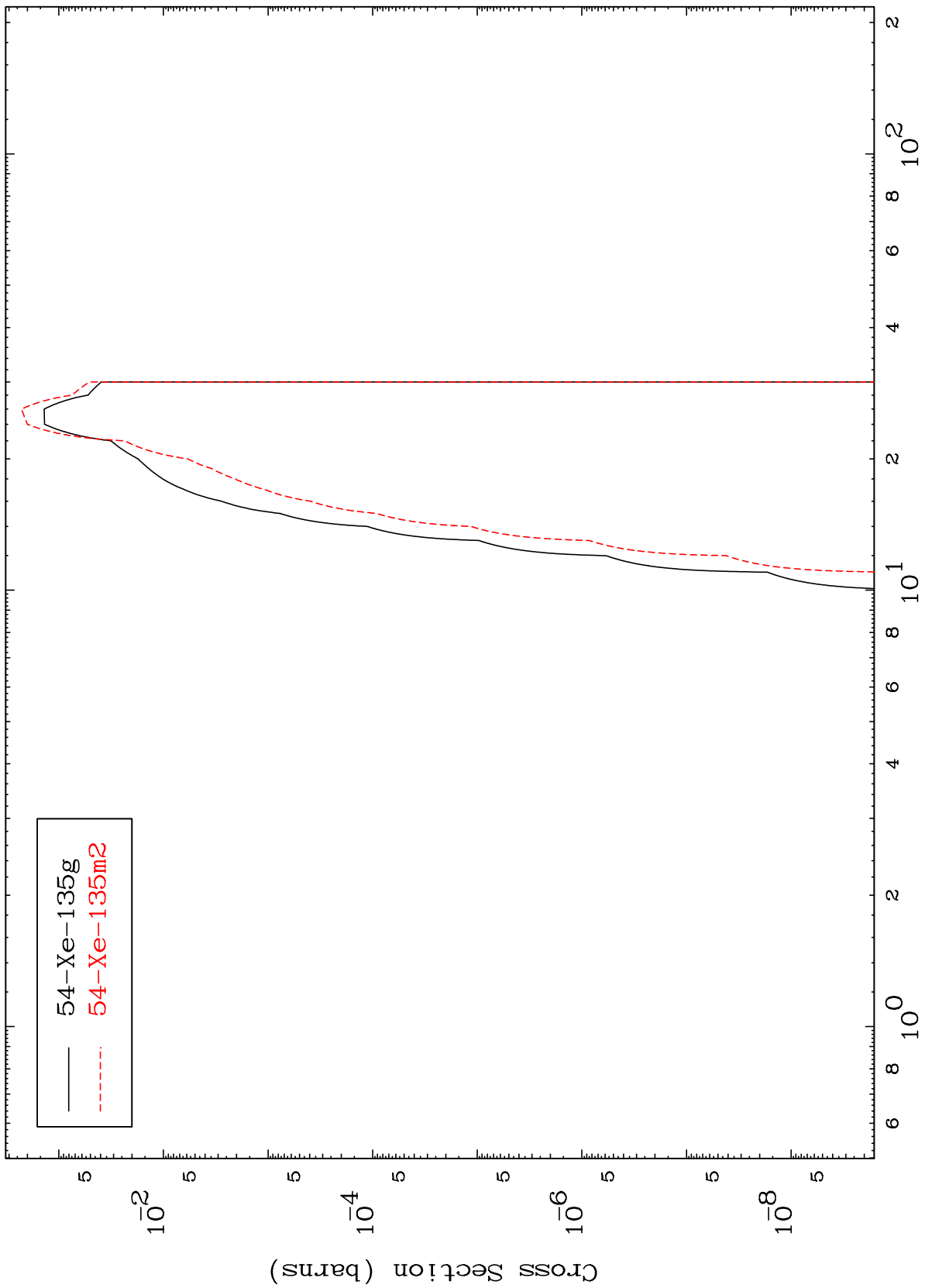
54-Xe-135

MAT 5458

( $\alpha, \alpha$ )

54-Xe-135

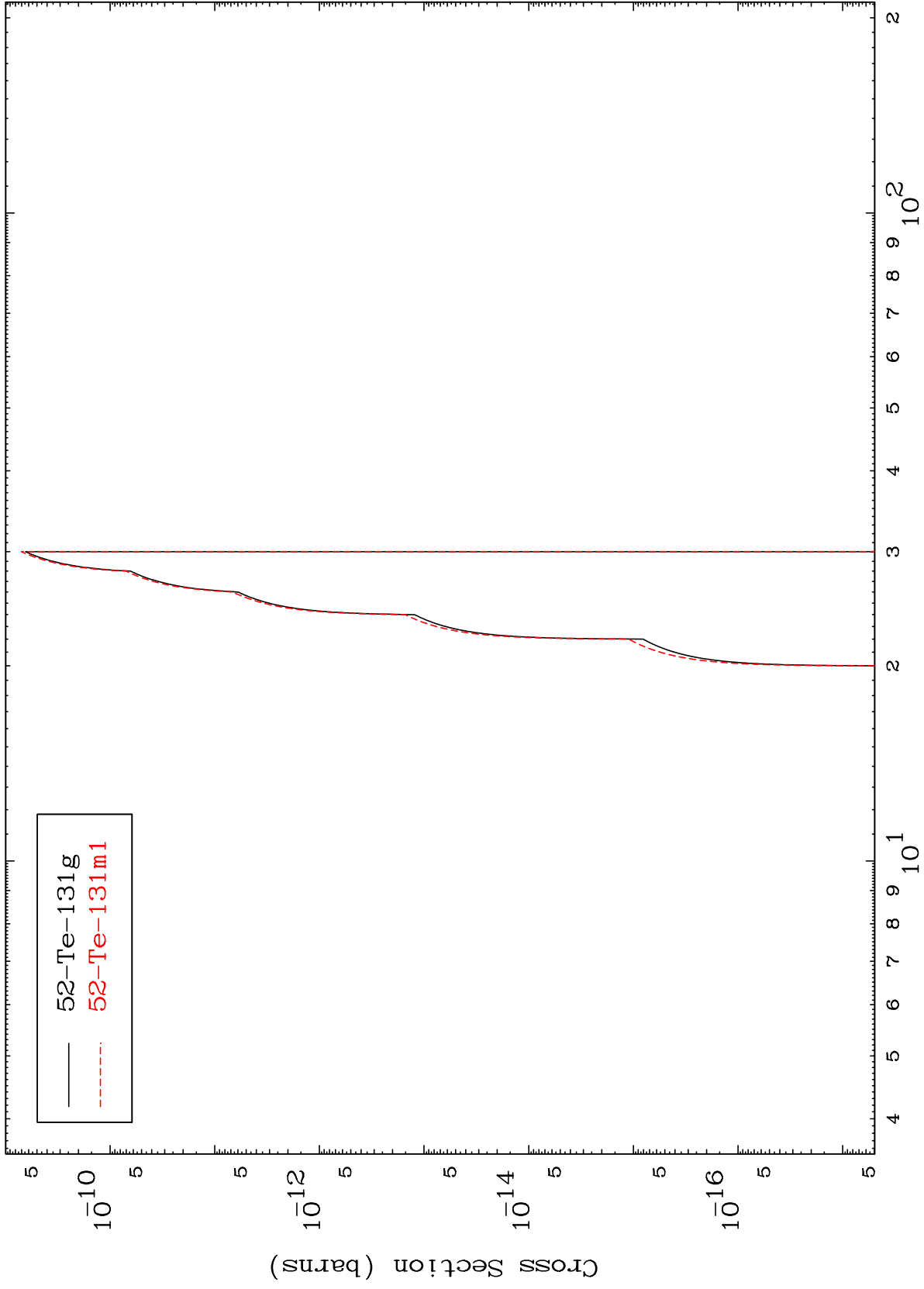
Radionuclide Production Cross Section



MAT 5458

54-Xe-135

Radionuclide Production Cross Section  
( $\alpha, 2\alpha$ )



22

Incident Energy (MeV)

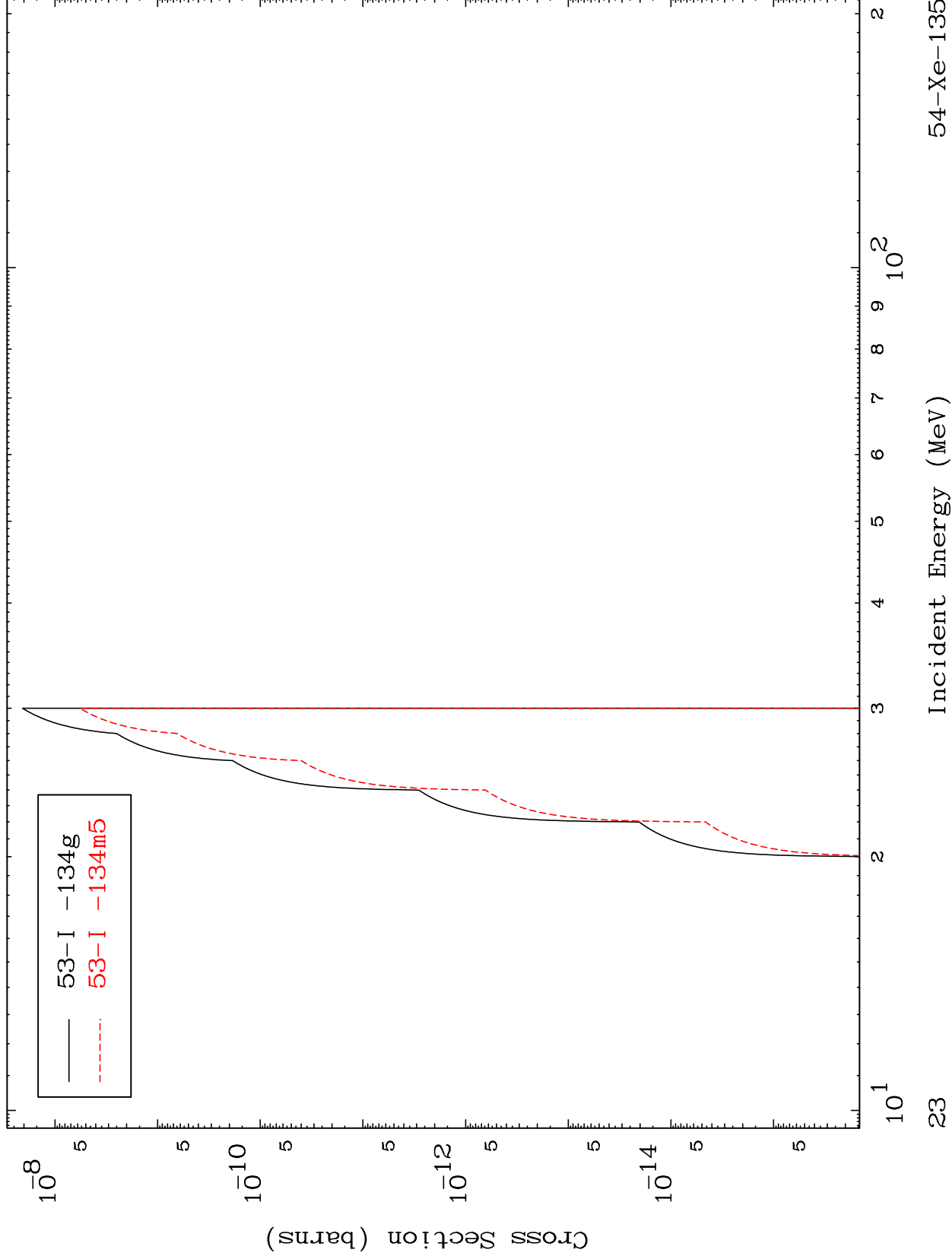
54-Xe-135

MAT 5458

( $\alpha, p$ )  $\alpha$

54-Xe-135

Radionuclide Production Cross Section



23

Incident Energy (MeV)

54-Xe-135