

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

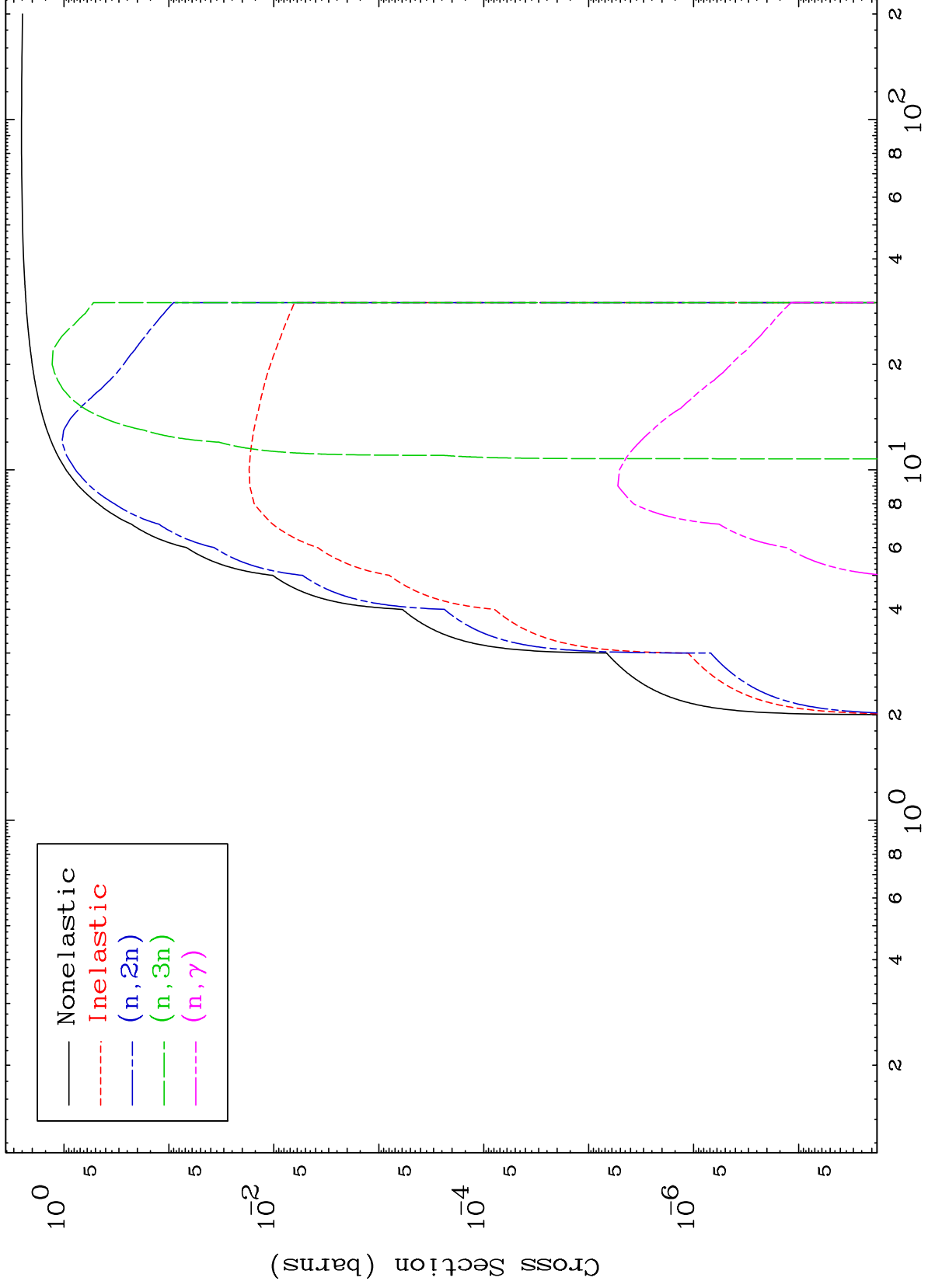
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Web:redcullen1.net/HOMEPAGE.NEW

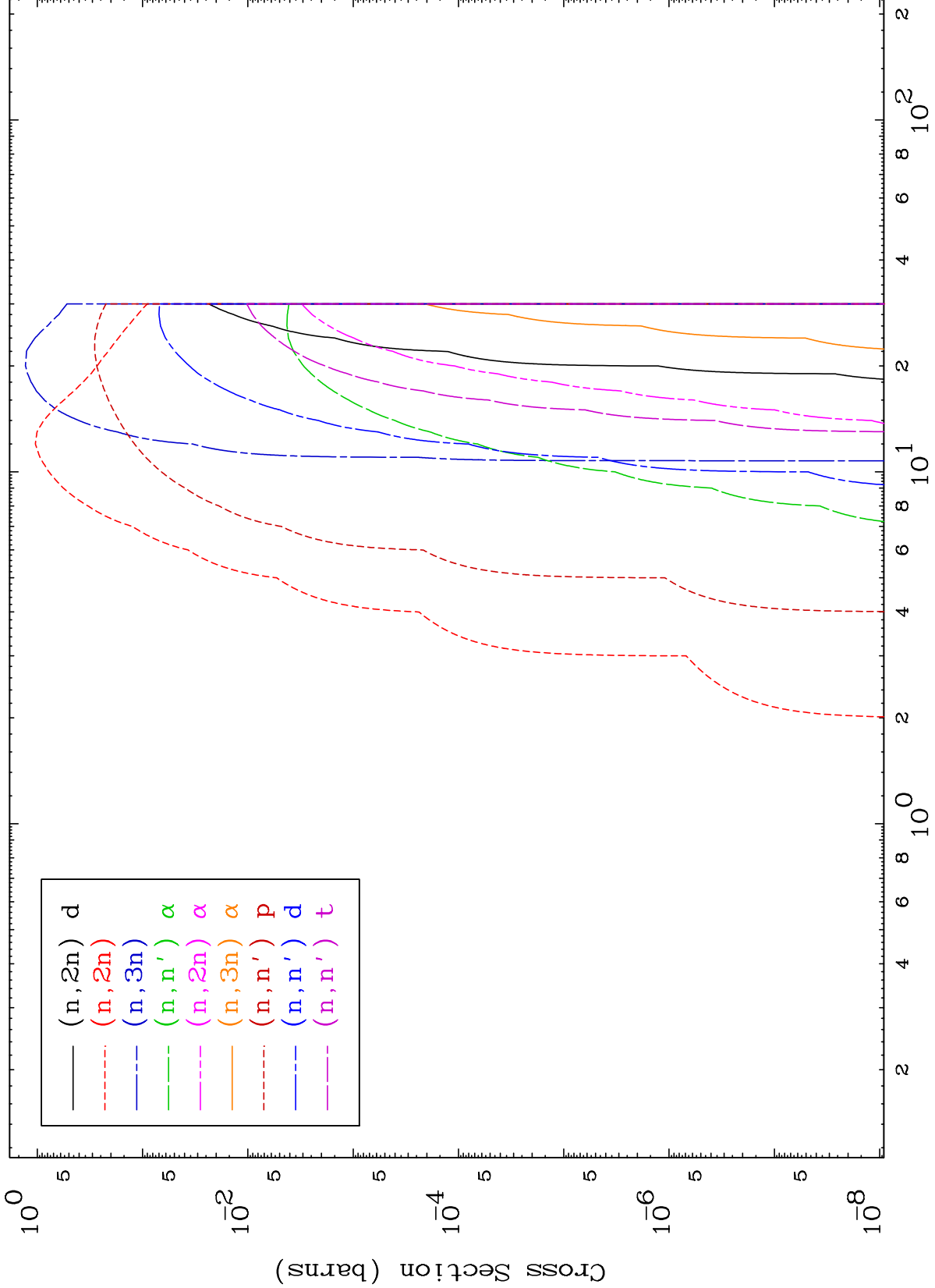
Press Mouse Button to Start



MAT 5458

Deuteron Neutron Absorption
0 Kelvin Cross Sections

54-Xe-135



—	(n, 2n)	d
- - -	(n, 2n)	
- · - ·	(n, 3n)	
- - -	(n, n')	α
- · - ·	(n, 2n)	α
- - -	(n, 3n)	α
- · - ·	(n, n')	p
- - -	(n, n')	d
- · - ·	(n, n')	t

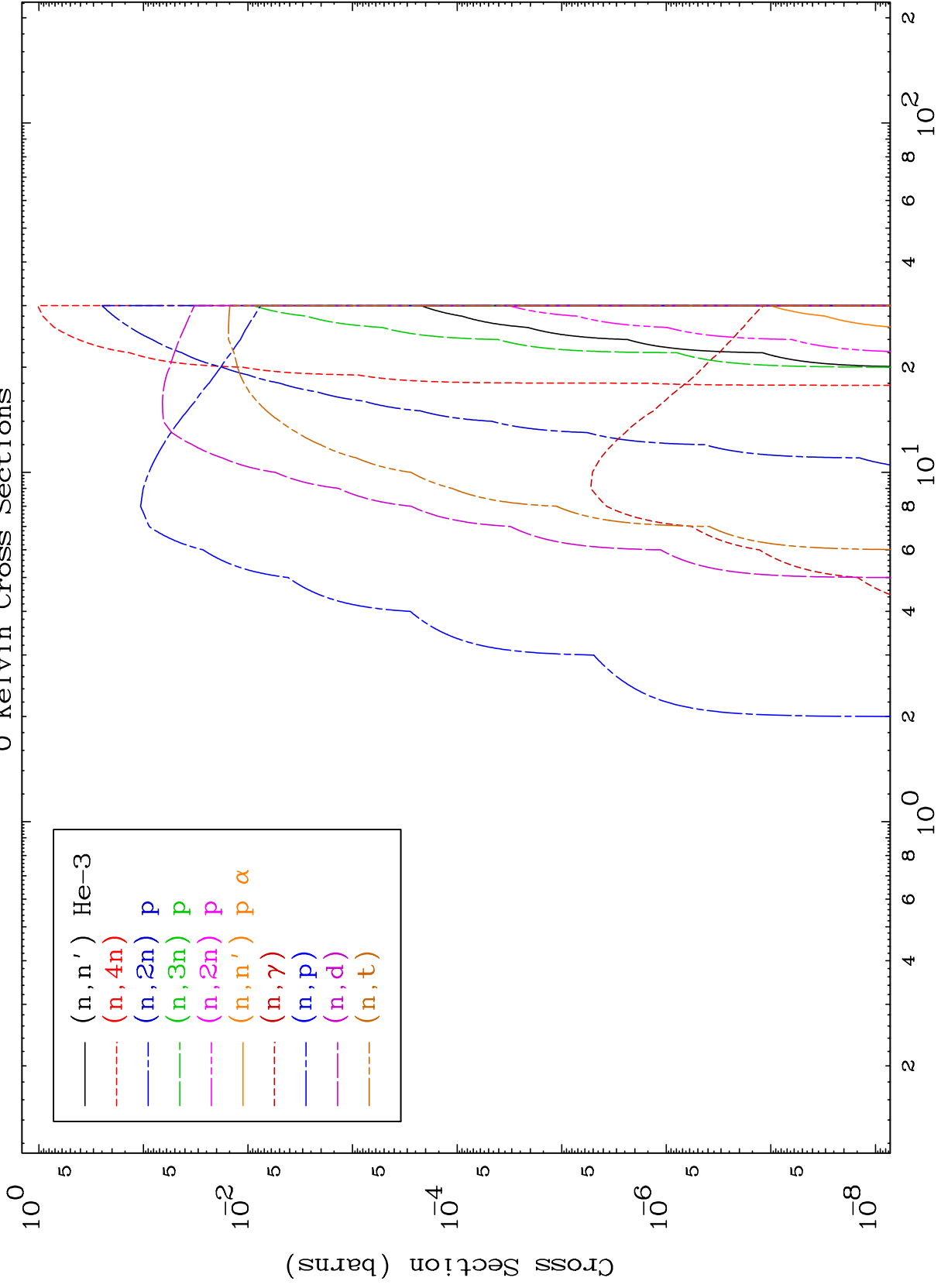
54-Xe-135

Incident Energy (MeV)

MAT 5458

Deuteron Neutron Absorption
0 Kelvin Cross Sections

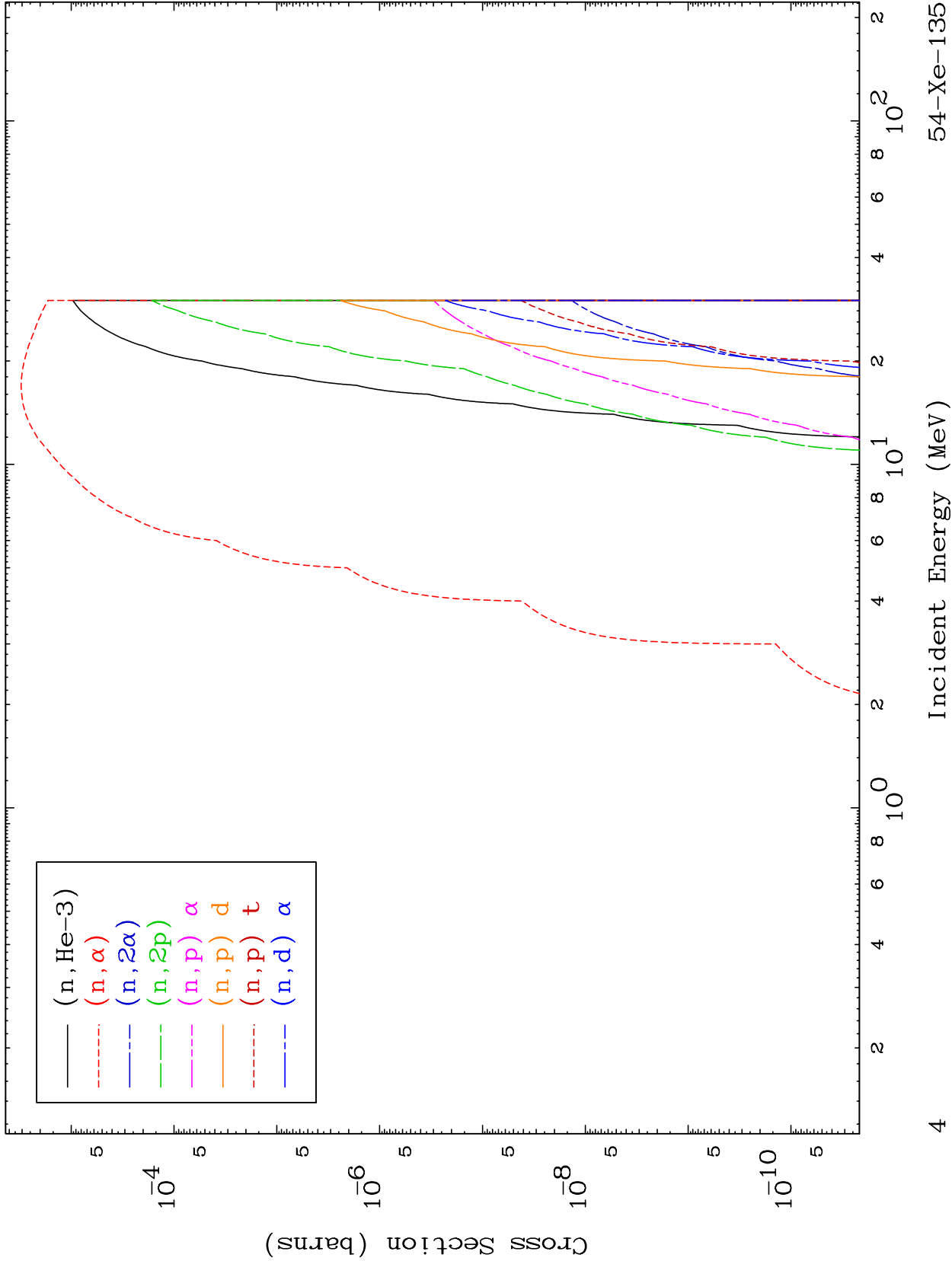
54-Xe-135



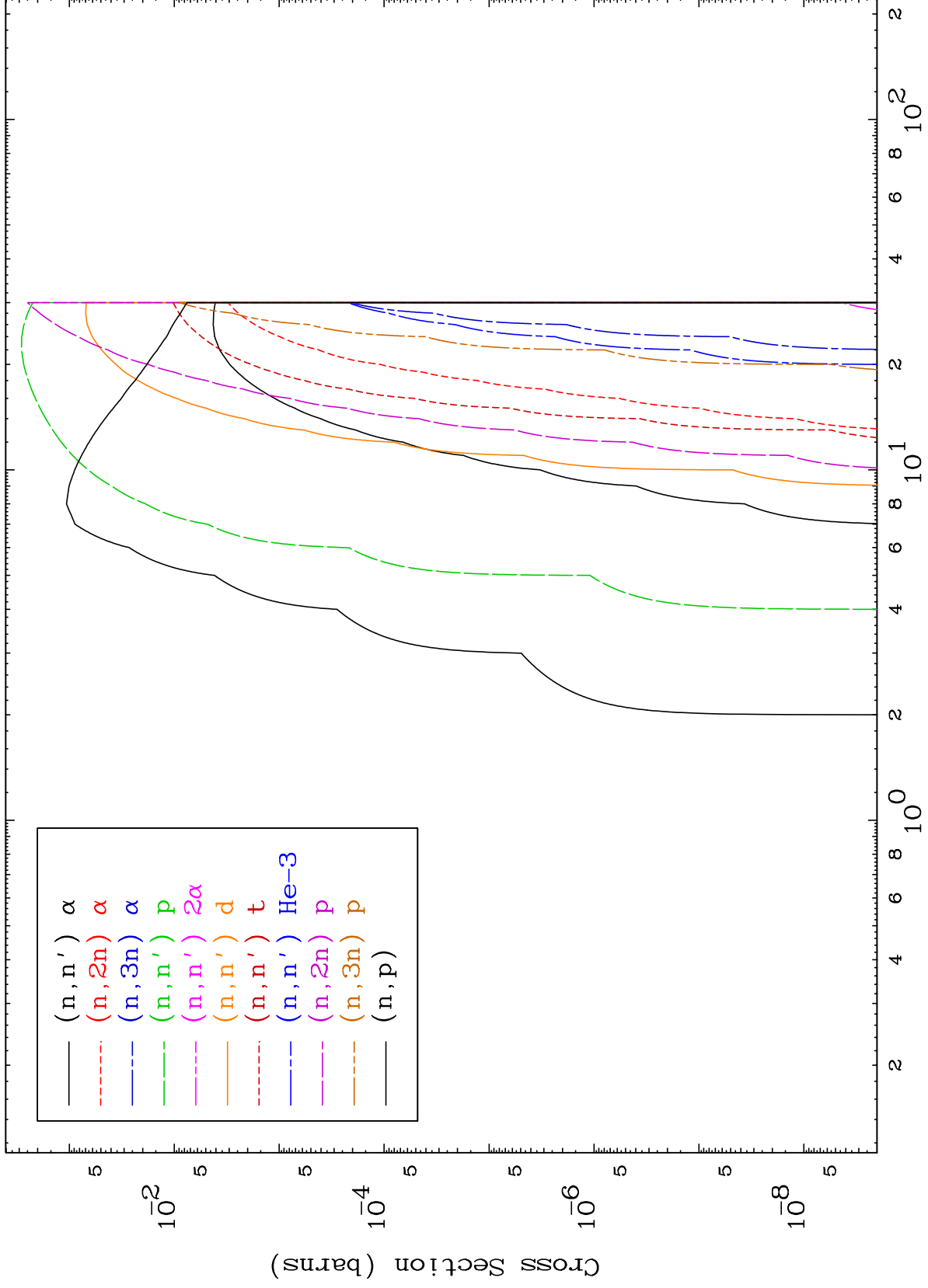
MAT 5458

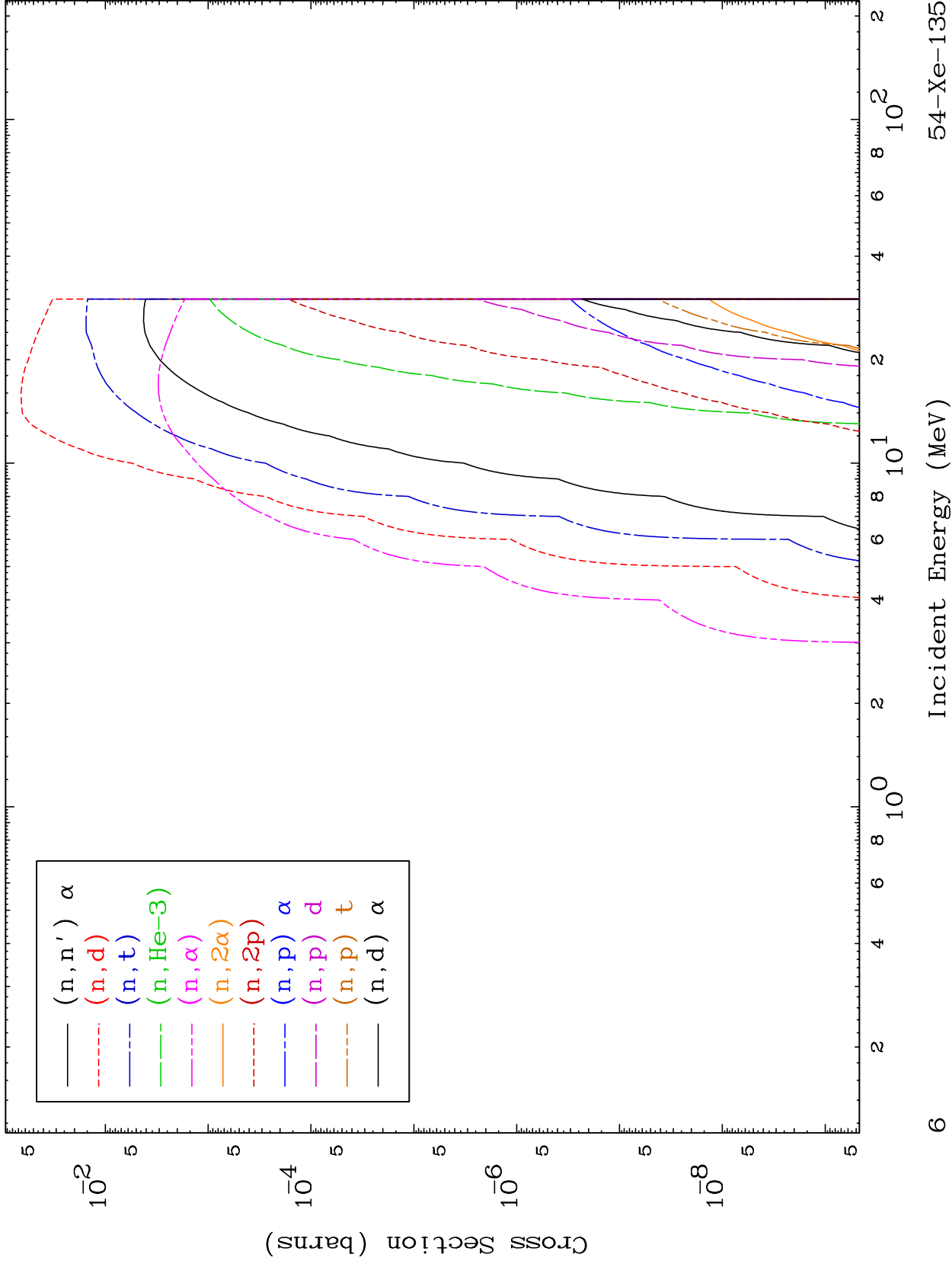
Deuteron Neutron Absorption
0 Kelvin Cross Sections

54-Xe-135



54-Xe-135

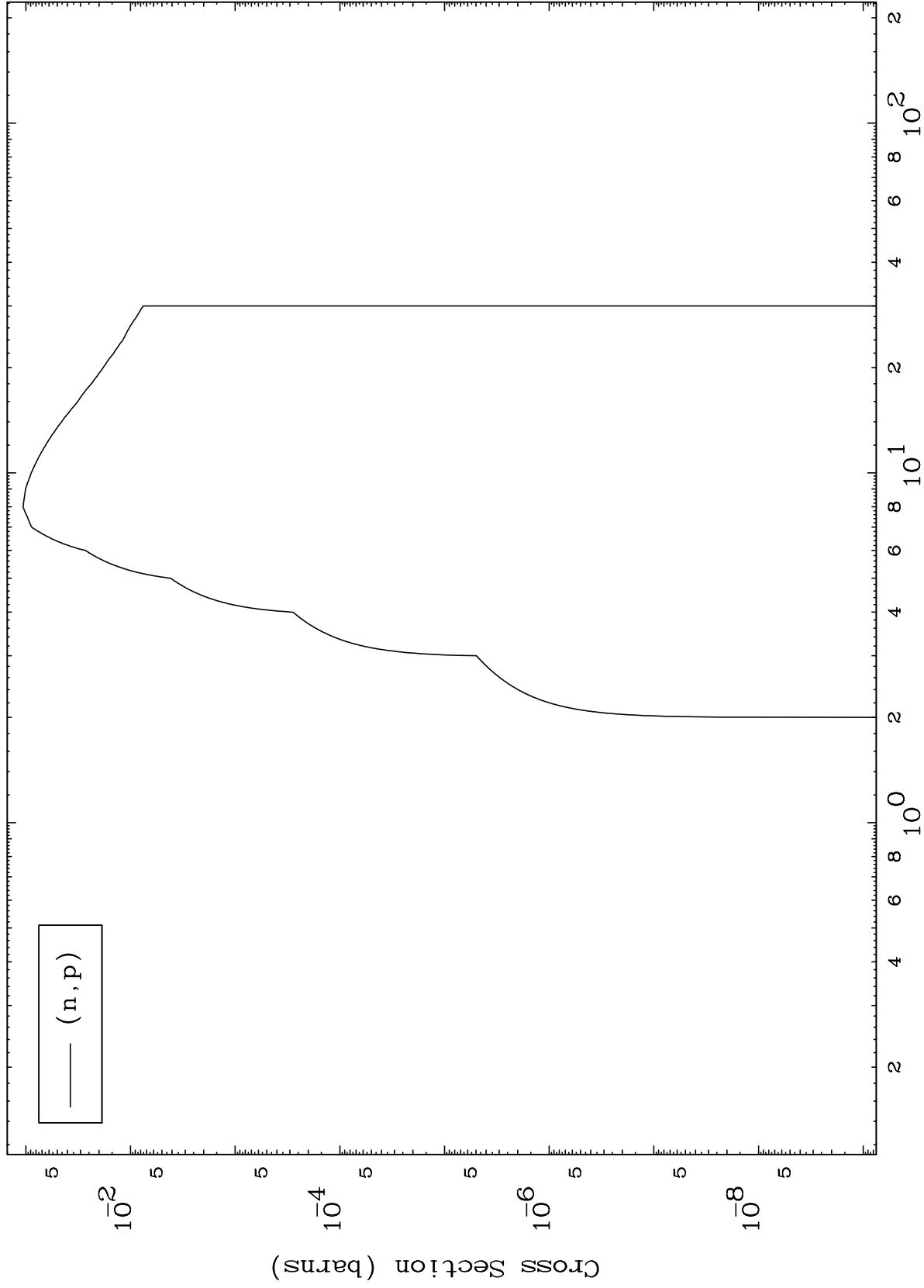




MAT 5458

54-Xe-135

(d,p) Levels
0 Kelvin Cross Sections



(n,p)

54-Xe-135

Incident Energy (MeV)

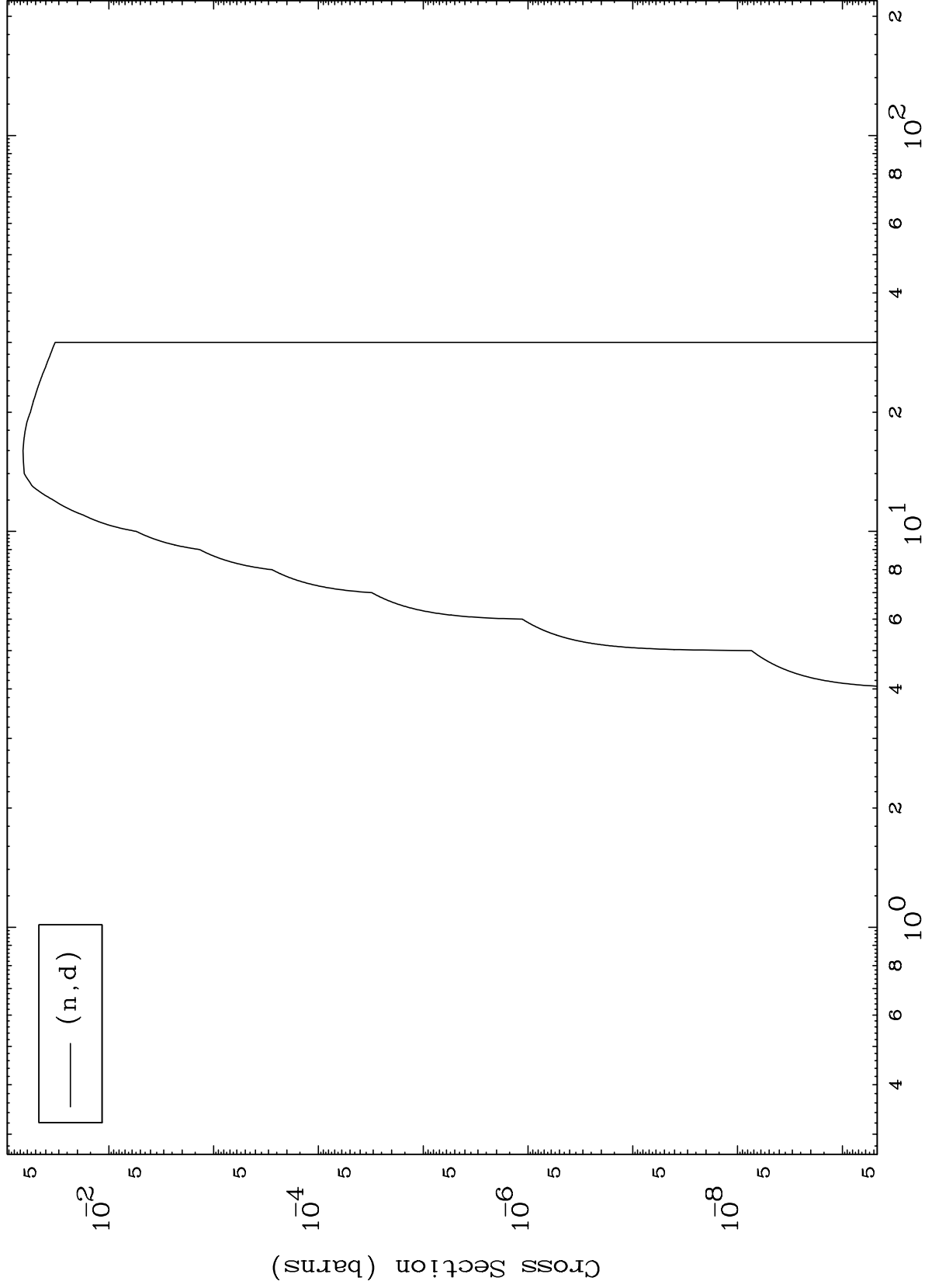
7

MAT 5458

(d,d) Levels

54-Xe-135

0 Kelvin Cross Sections



(n,d)

8

Incident Energy (MeV)

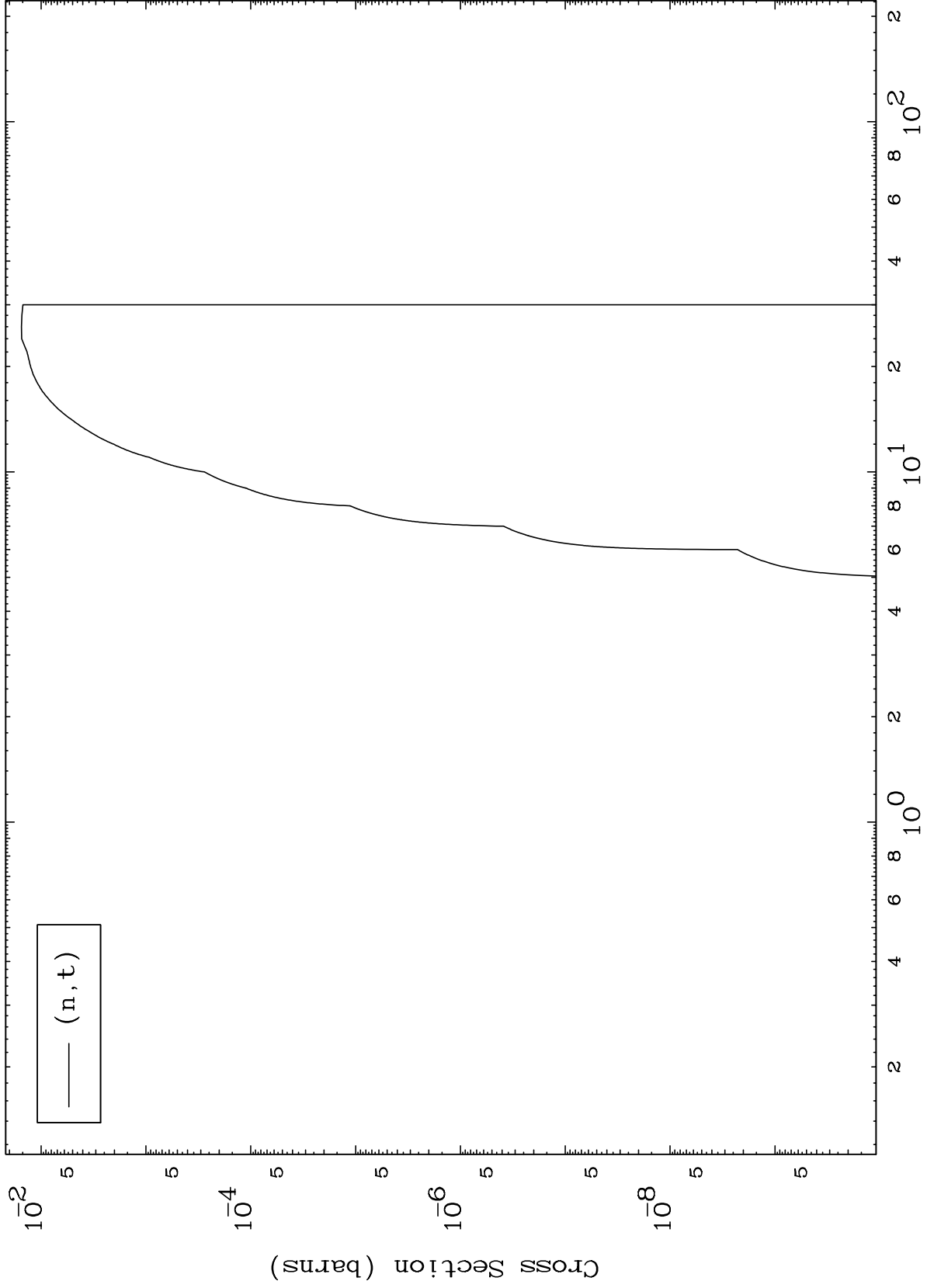
54-Xe-135

MAT 5458

(d, t) Levels

54-Xe-135

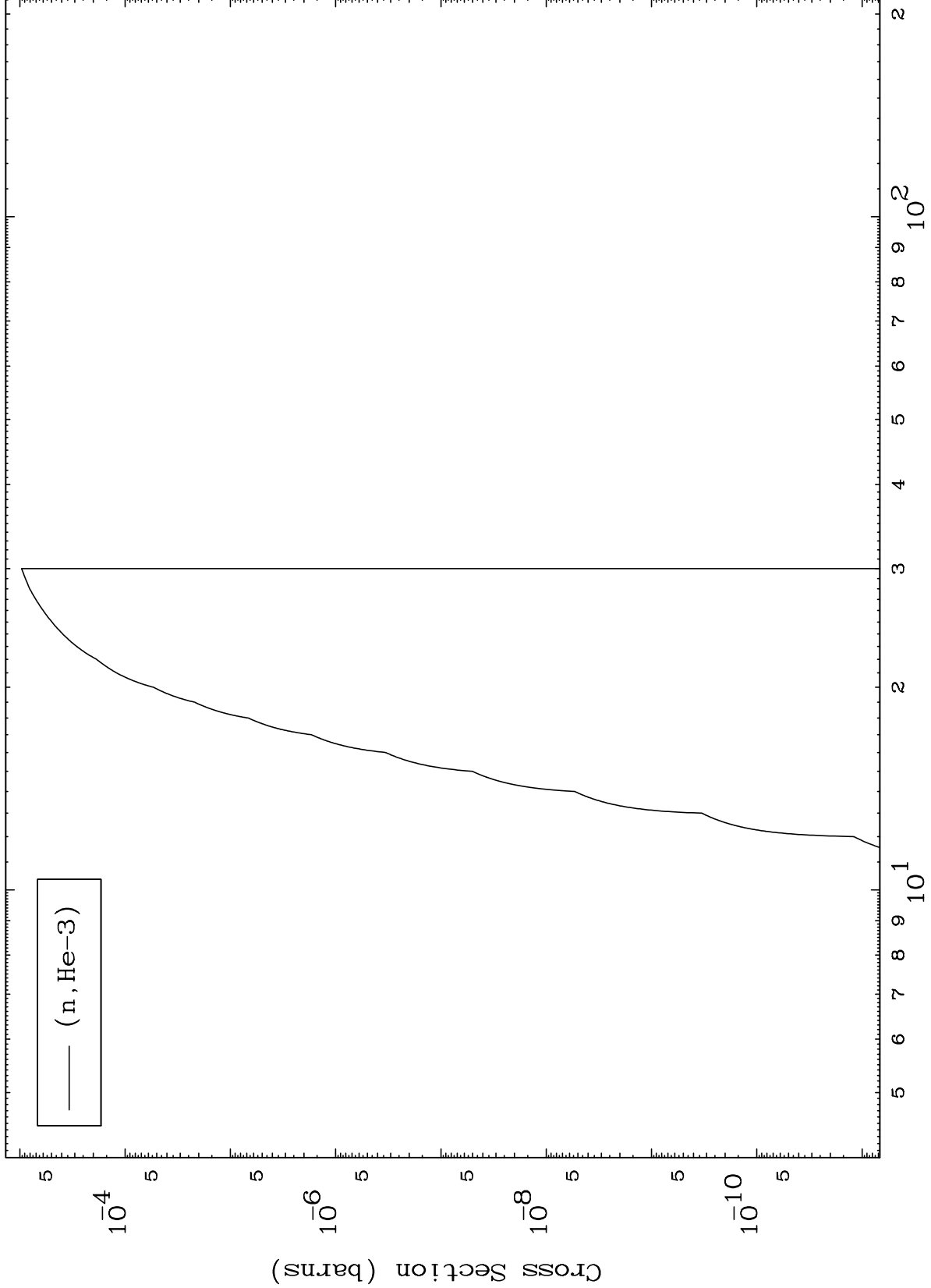
0 Kelvin Cross Sections



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54-Xe-135

(d,He3) Levels
0 Kelvin Cross Sections



54-Xe-135

Incident Energy (MeV)

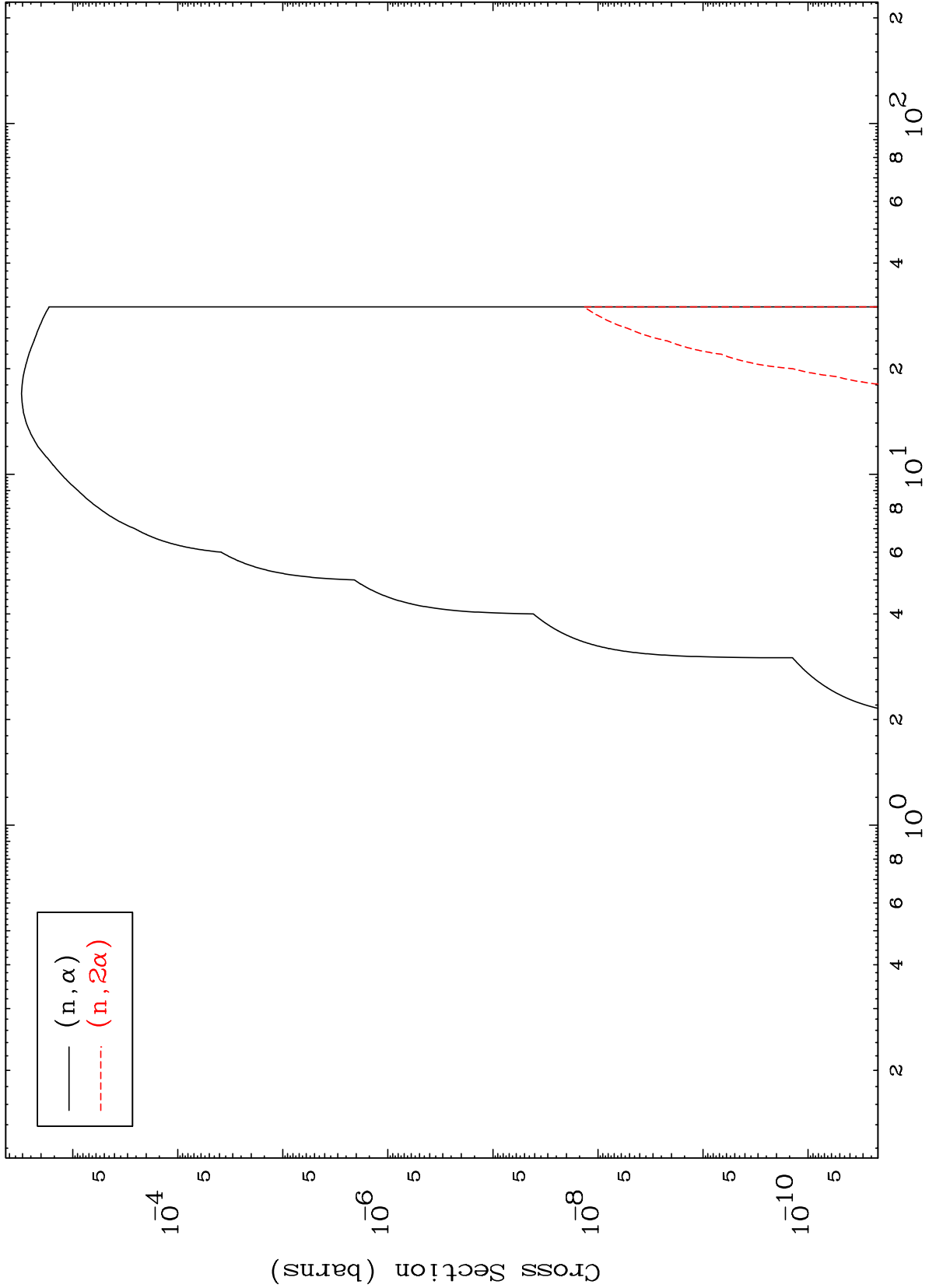
10

MAT 5458

(d, α) Levels

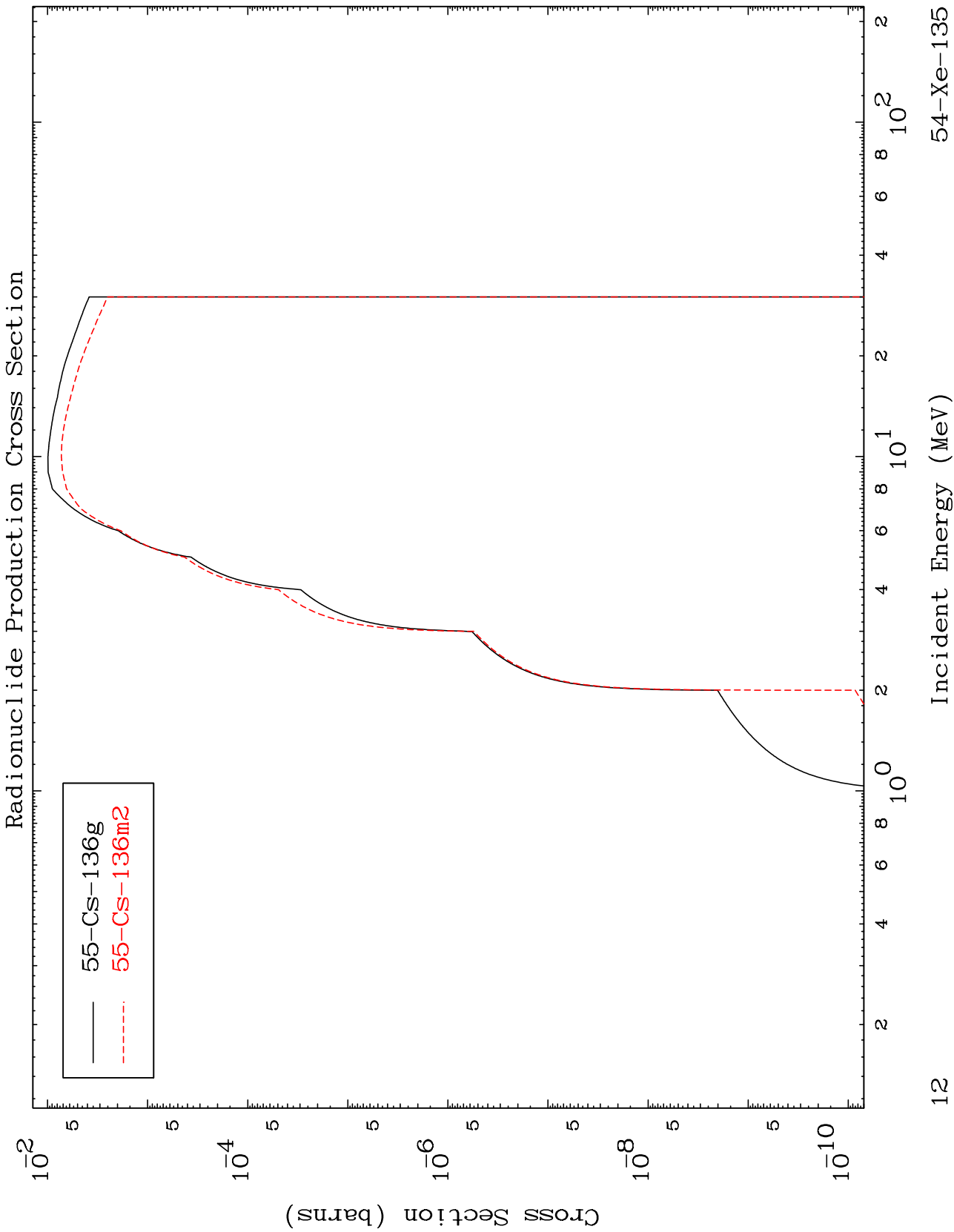
54-Xe-135

0 Kelvin Cross Sections



MAT 5458

54-Xe-135

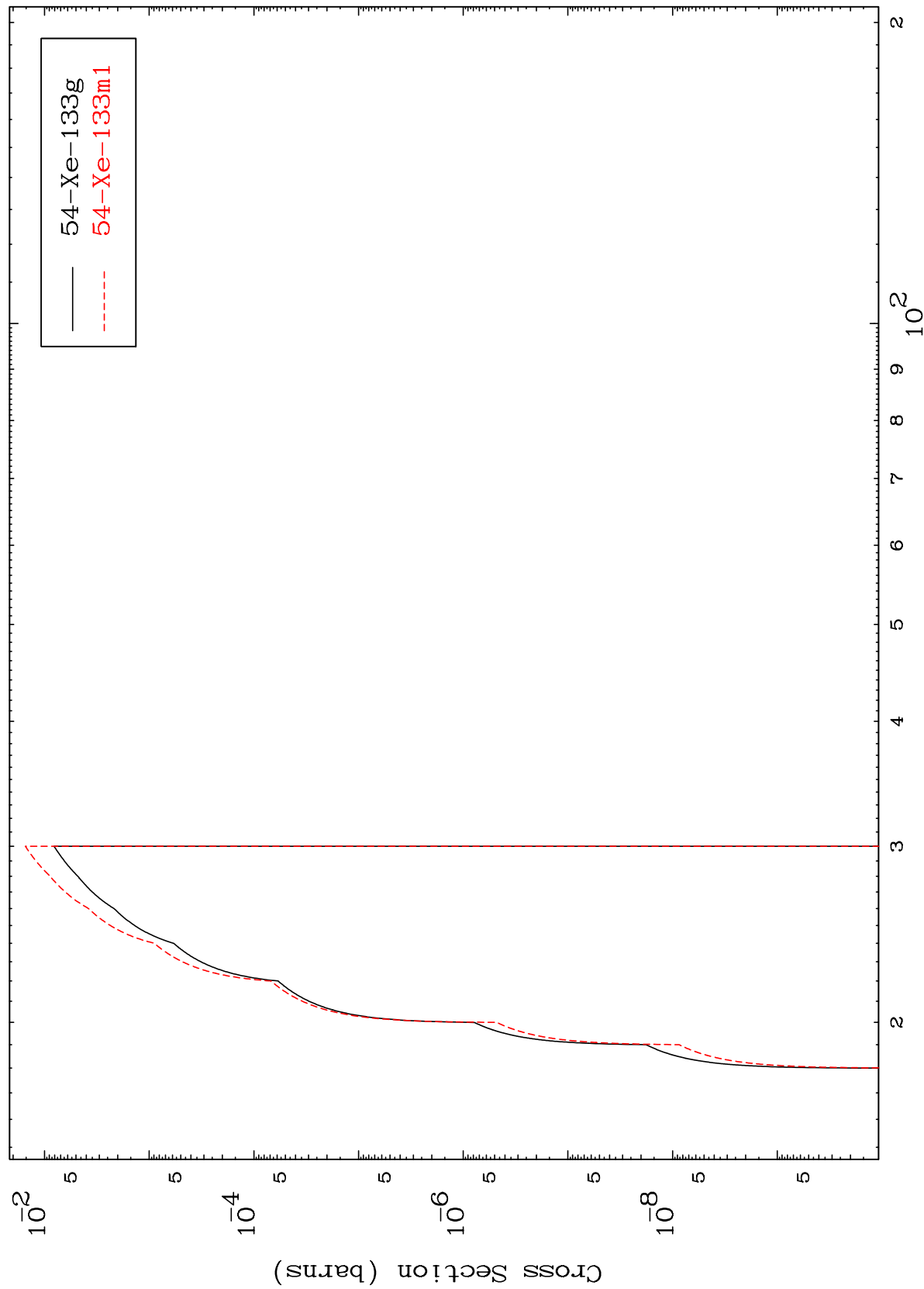


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(n,2n) d

54-Xe-135

Radionuclide Production Cross Section



13

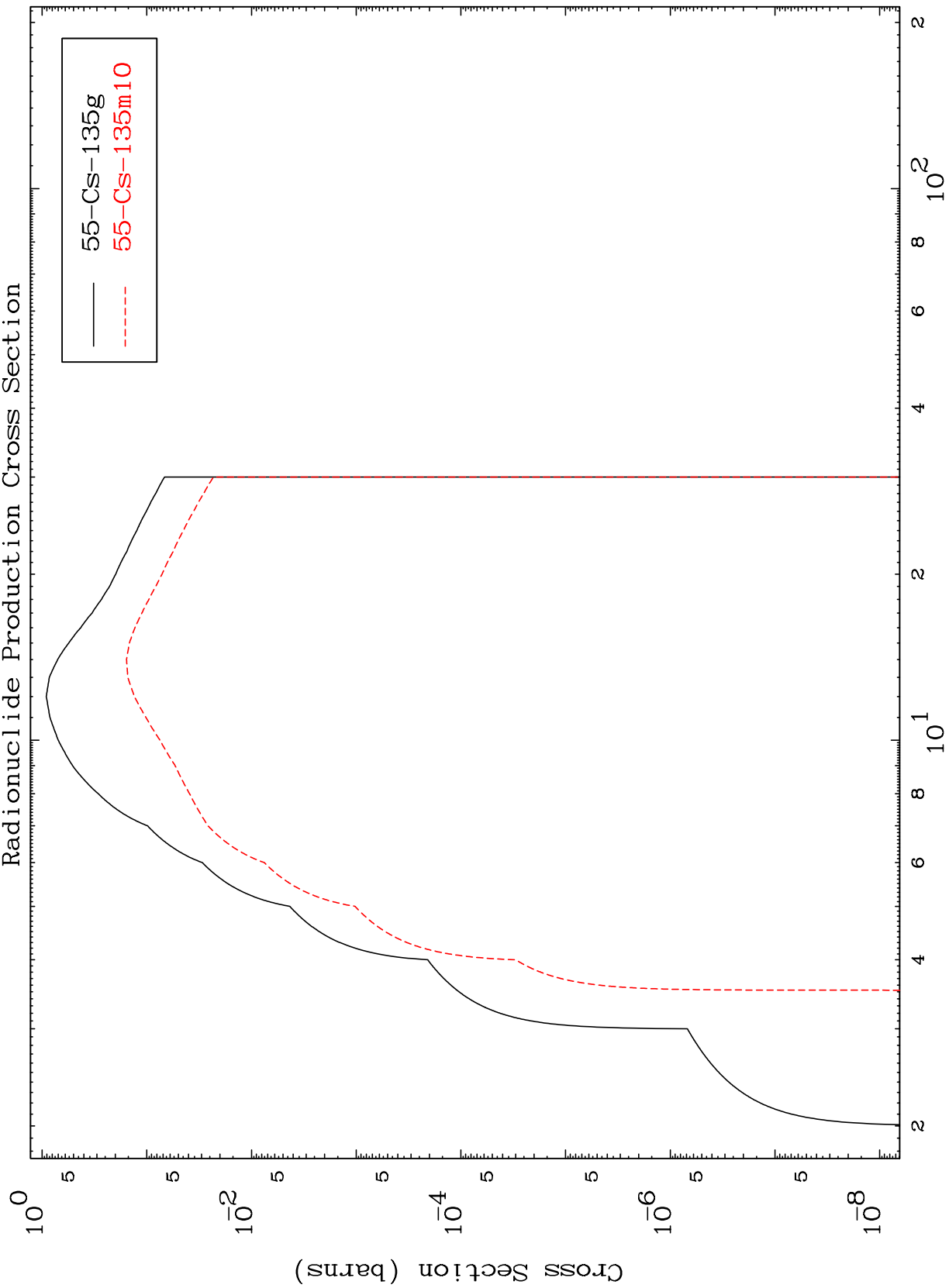
Incident Energy (MeV)

54-Xe-135

MAT 5458

54-Xe-135

Radionuclide Production Cross Section
(n,2n)



14

54-Xe-135

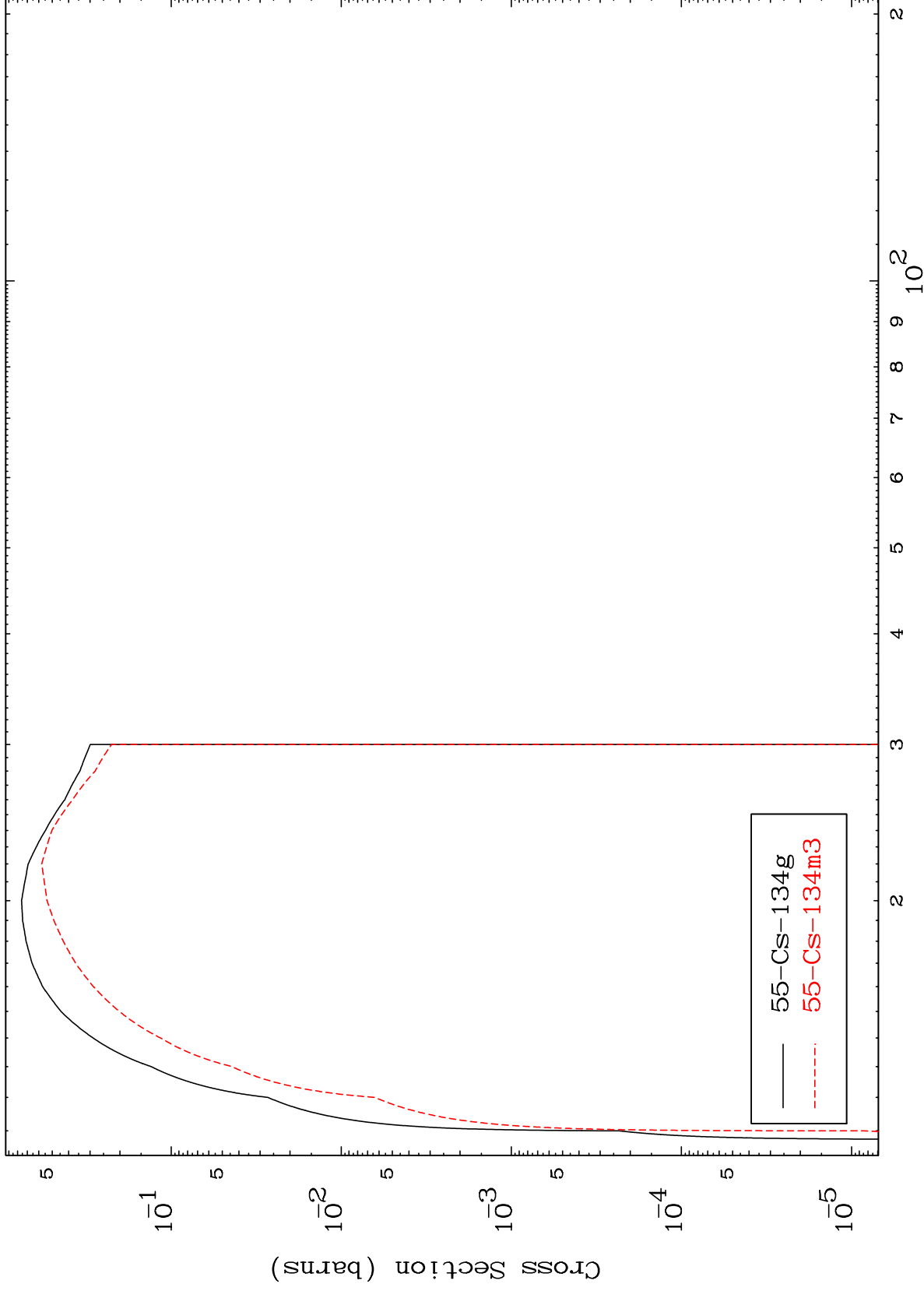
Incident Energy (MeV)

MAT 5458

(n,3n)

54-Xe-135

Radionuclide Production Cross Section



15

Incident Energy (MeV)

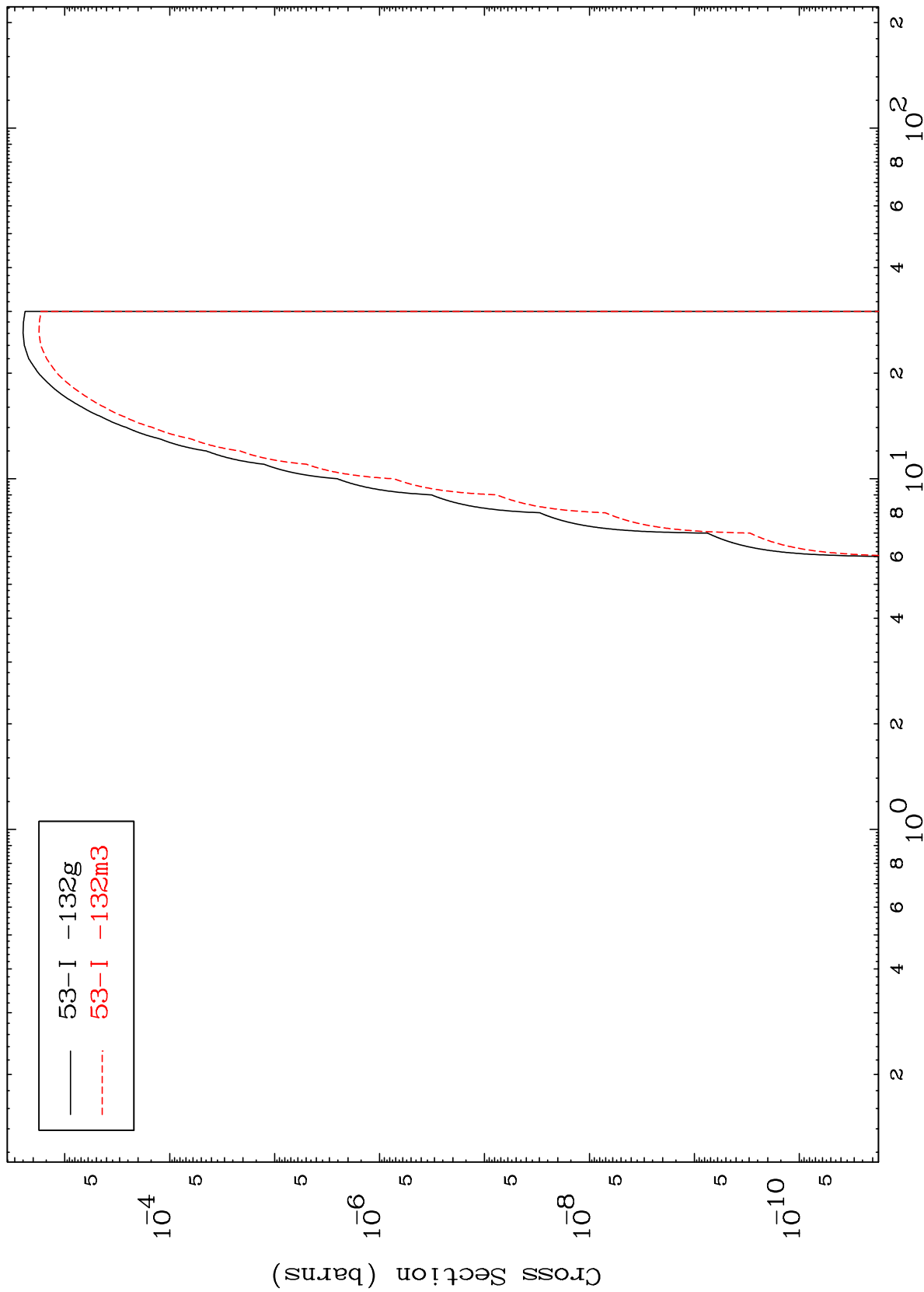
54-Xe-135

MAT 5458

$(n, n') \alpha$

54-Xe-135

Radionuclide Production Cross Section



16

Incident Energy (MeV)

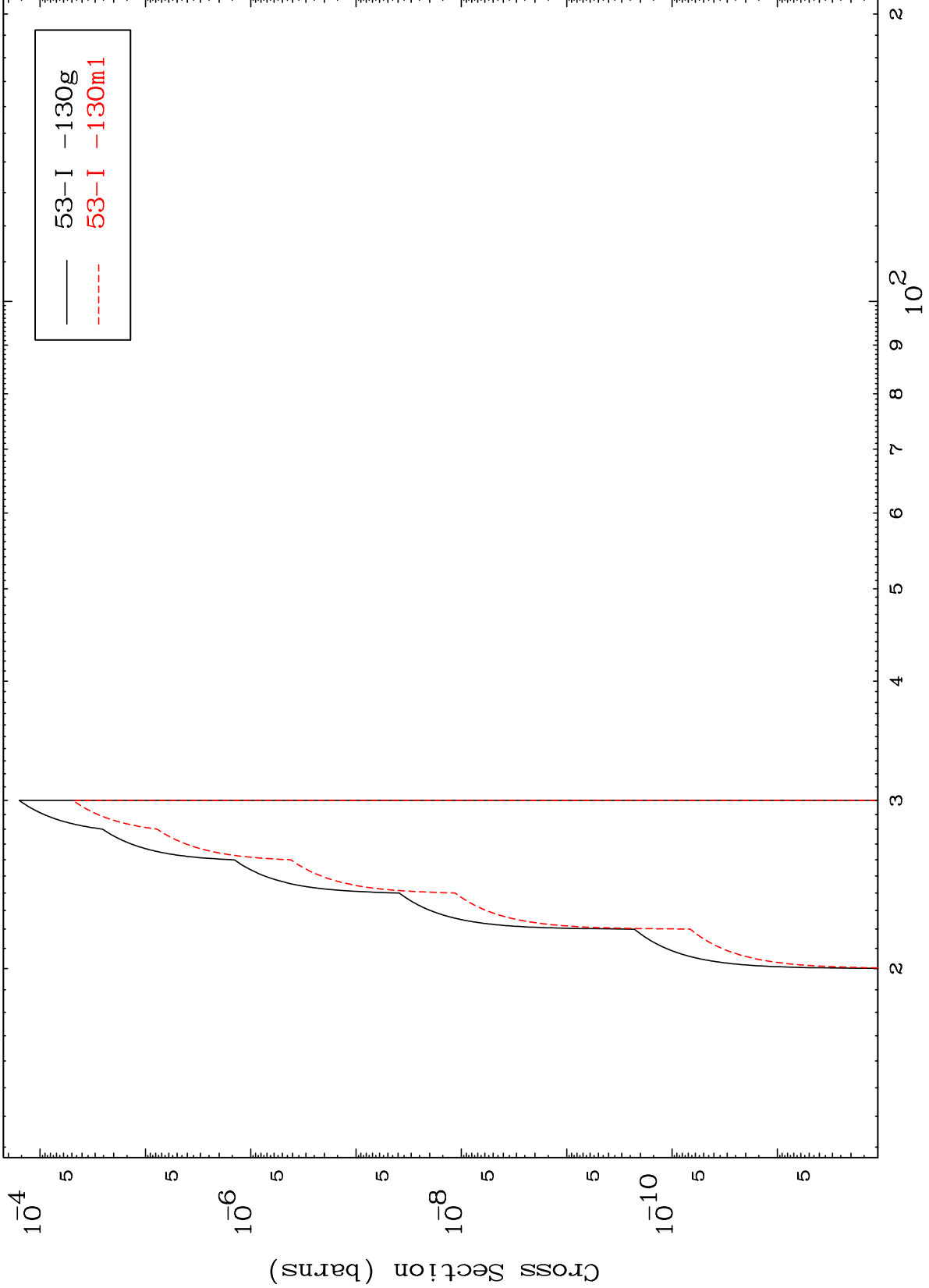
54-Xe-135

MAT 5458

(n,3n) α

54-Xe-135

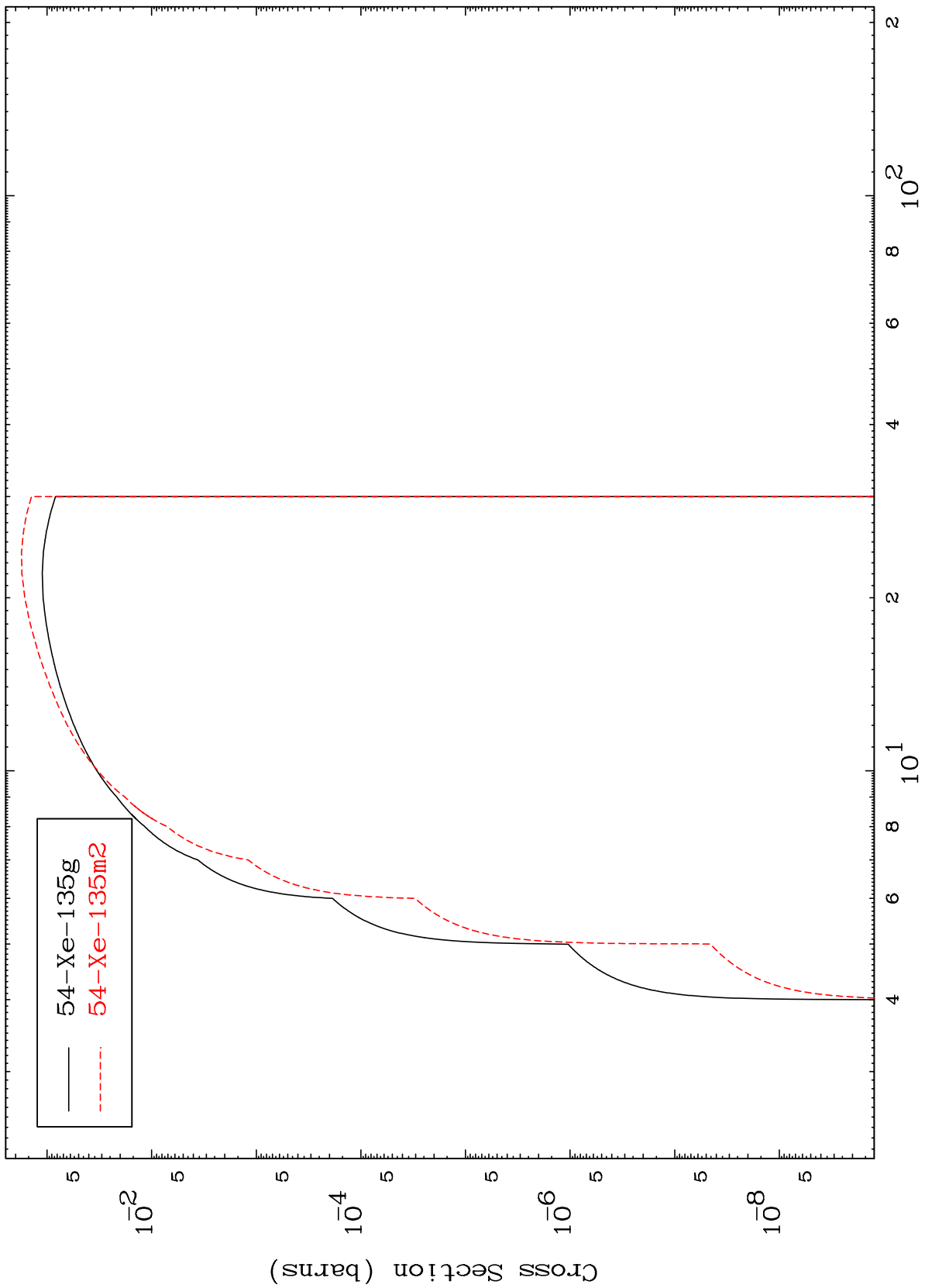
Radionuclide Production Cross Section



MAT 5458

54-Xe-135

(n,n') p
Radionuclide Production Cross Section



54-Xe-135g
54-Xe-135m2

54-Xe-135

Incident Energy (MeV)

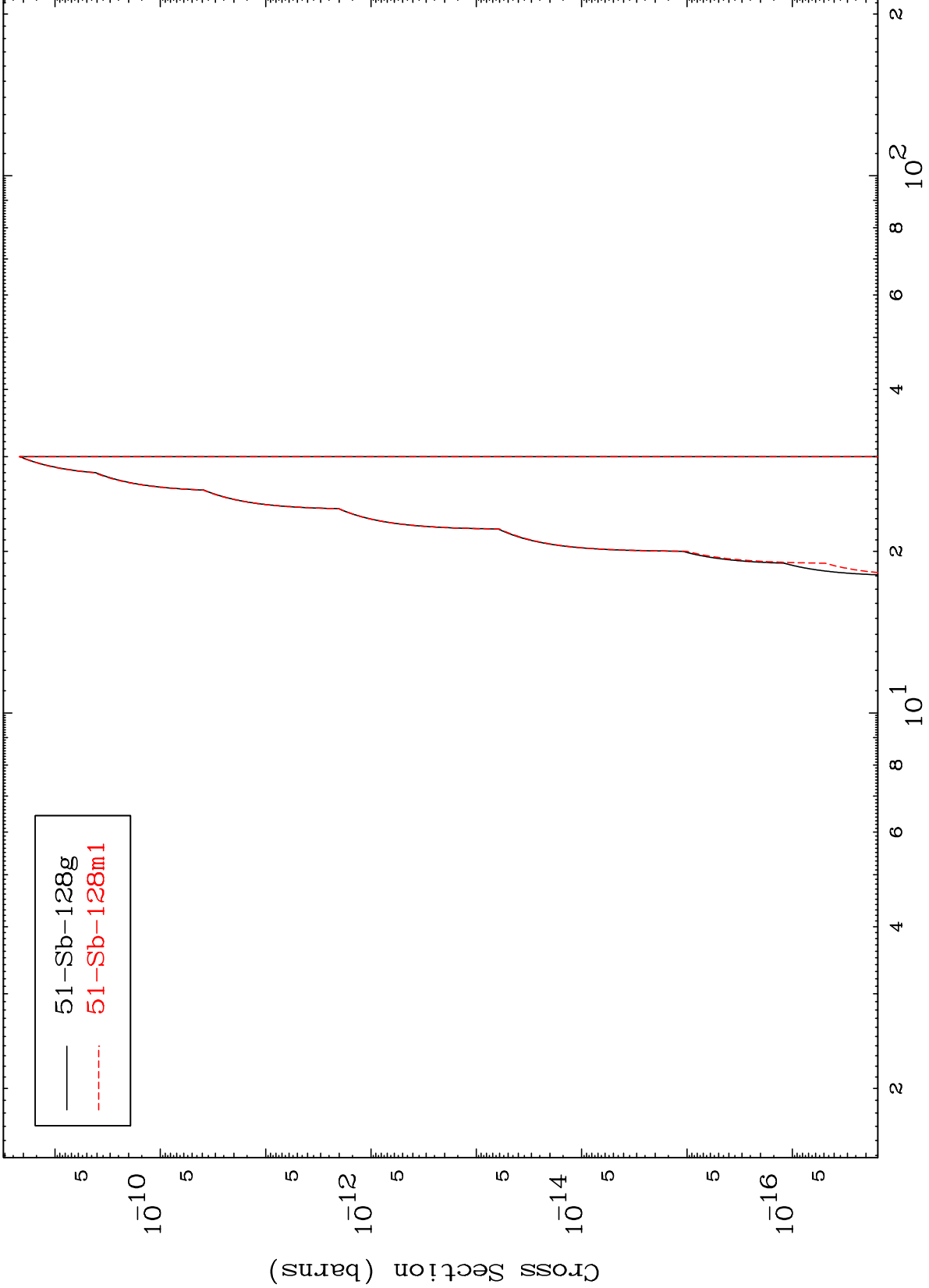
18

MAT 5458

(n,n') 2 α

54-Xe-135

Radionuclide Production Cross Section

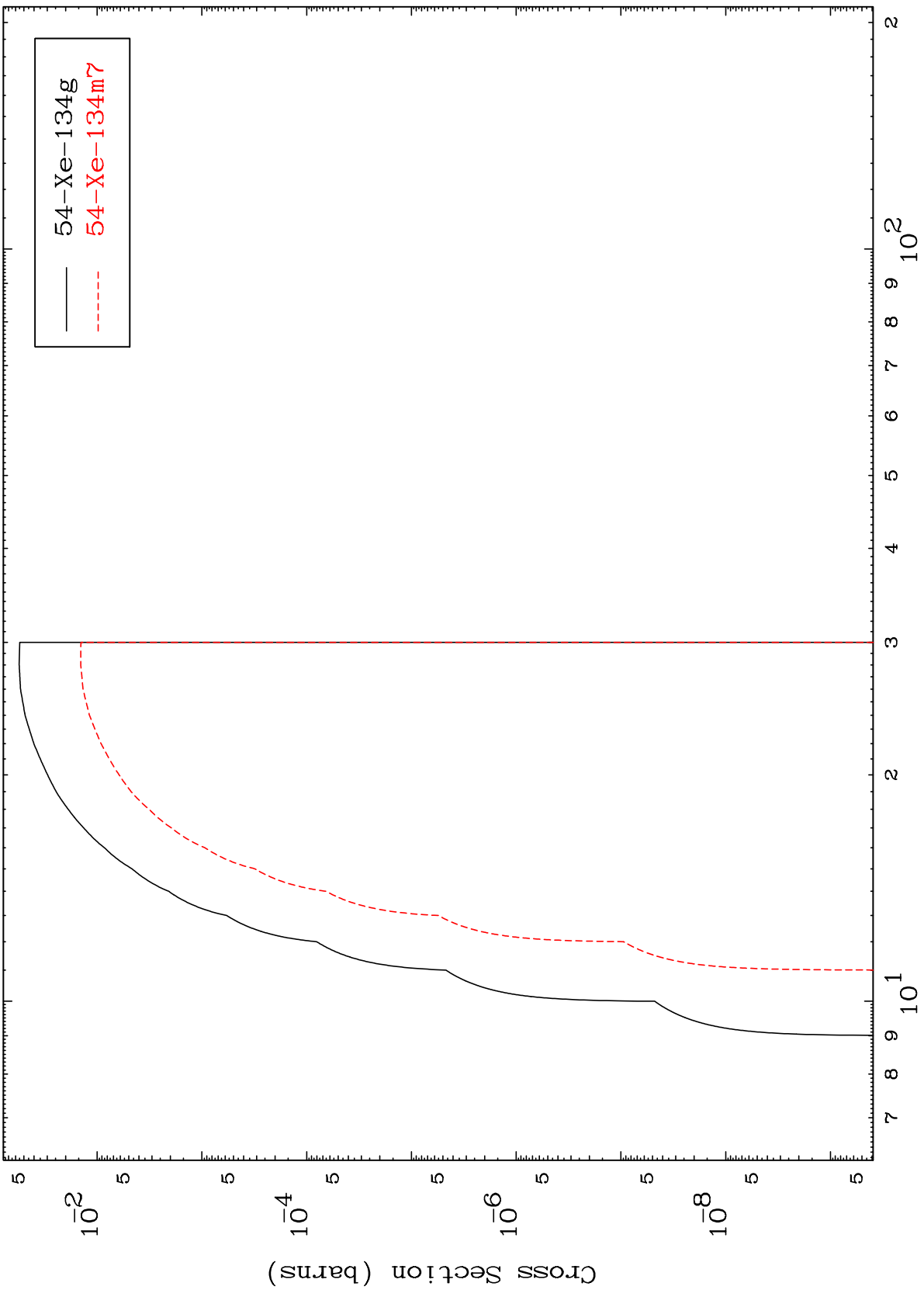


MAT 5458

54-Xe-135

(n,n') d

Radionuclide Production Cross Section



20

Incident Energy (MeV)

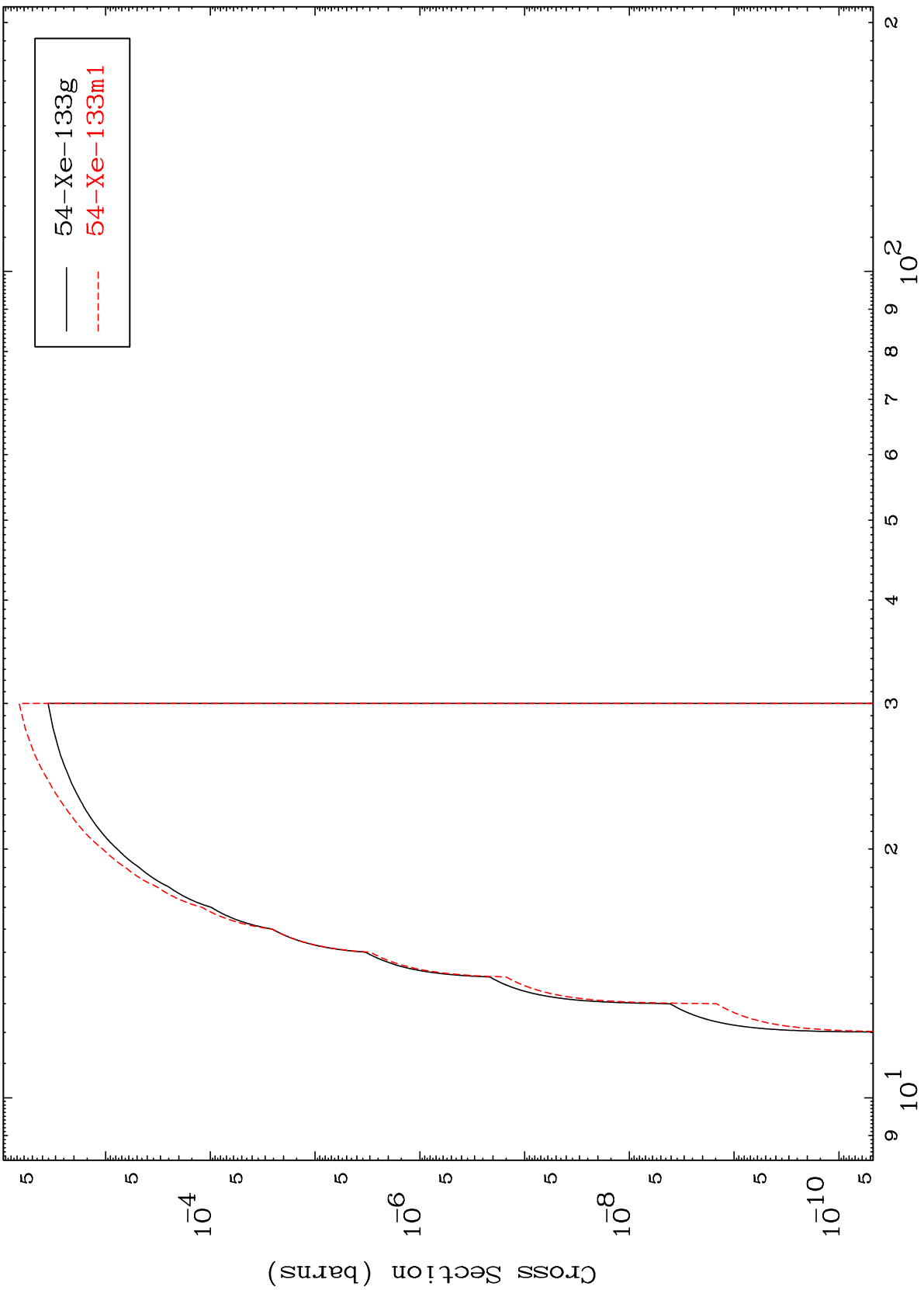
54-Xe-135

MAT 5458

(n,n') t

54-Xe-135

Radionuclide Production Cross Section



21

Incident Energy (MeV)

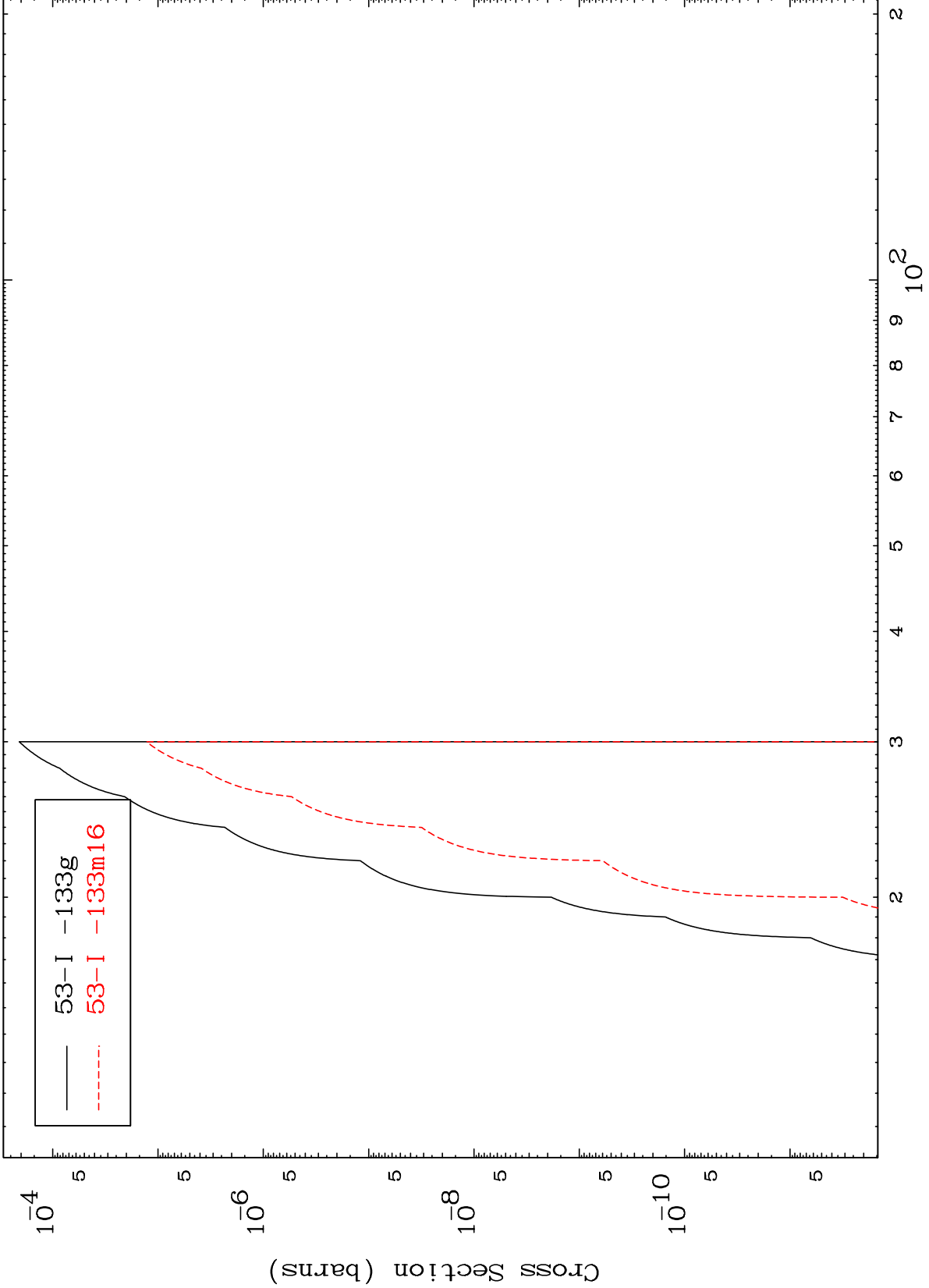
54-Xe-135

MAT 5458

(n,n') He-3

54-Xe-135

Radionuclide Production Cross Section

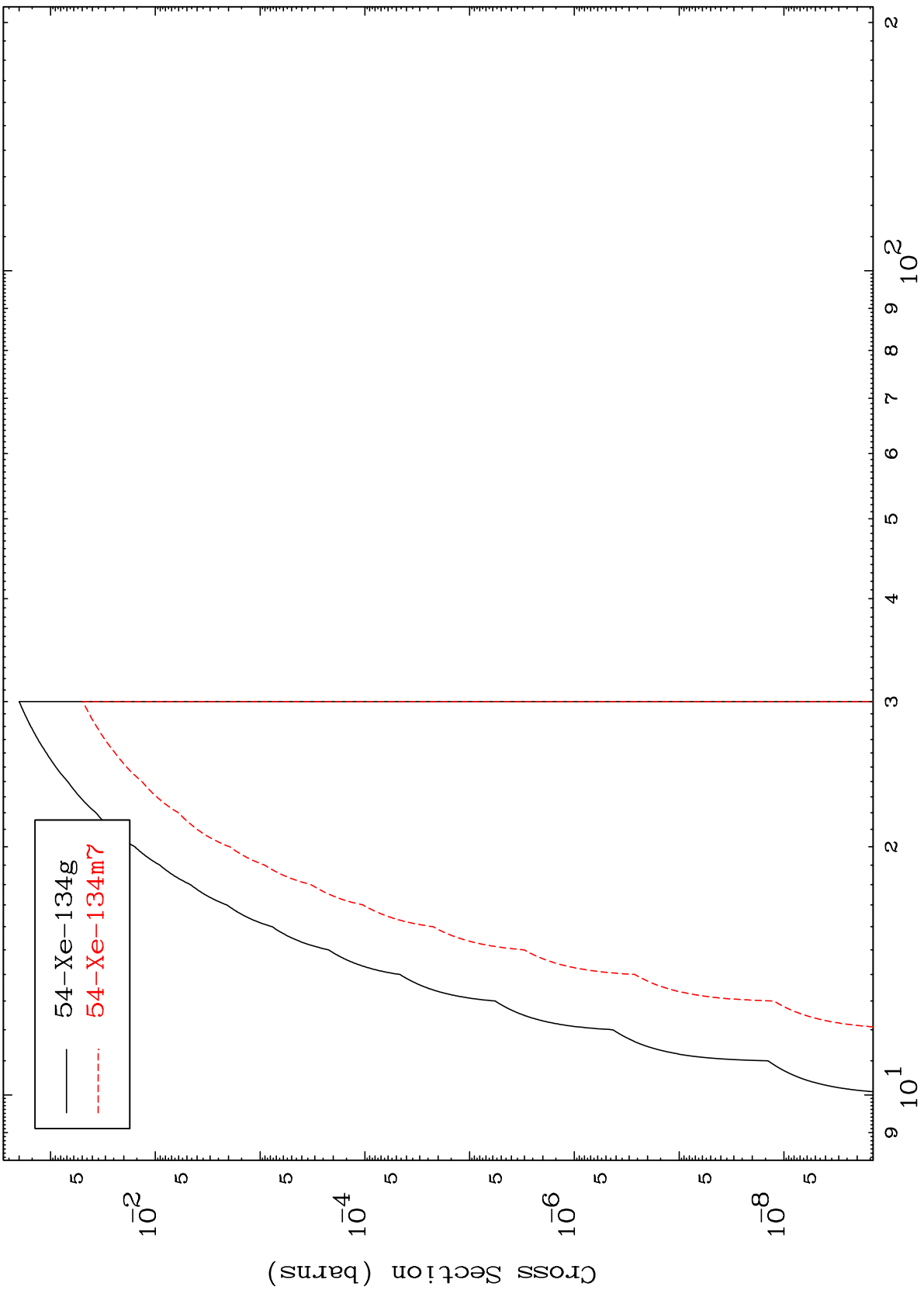


MAT 5458

(n,2n) p

54-Xe-135

Radionuclide Production Cross Section



23

Incident Energy (MeV)

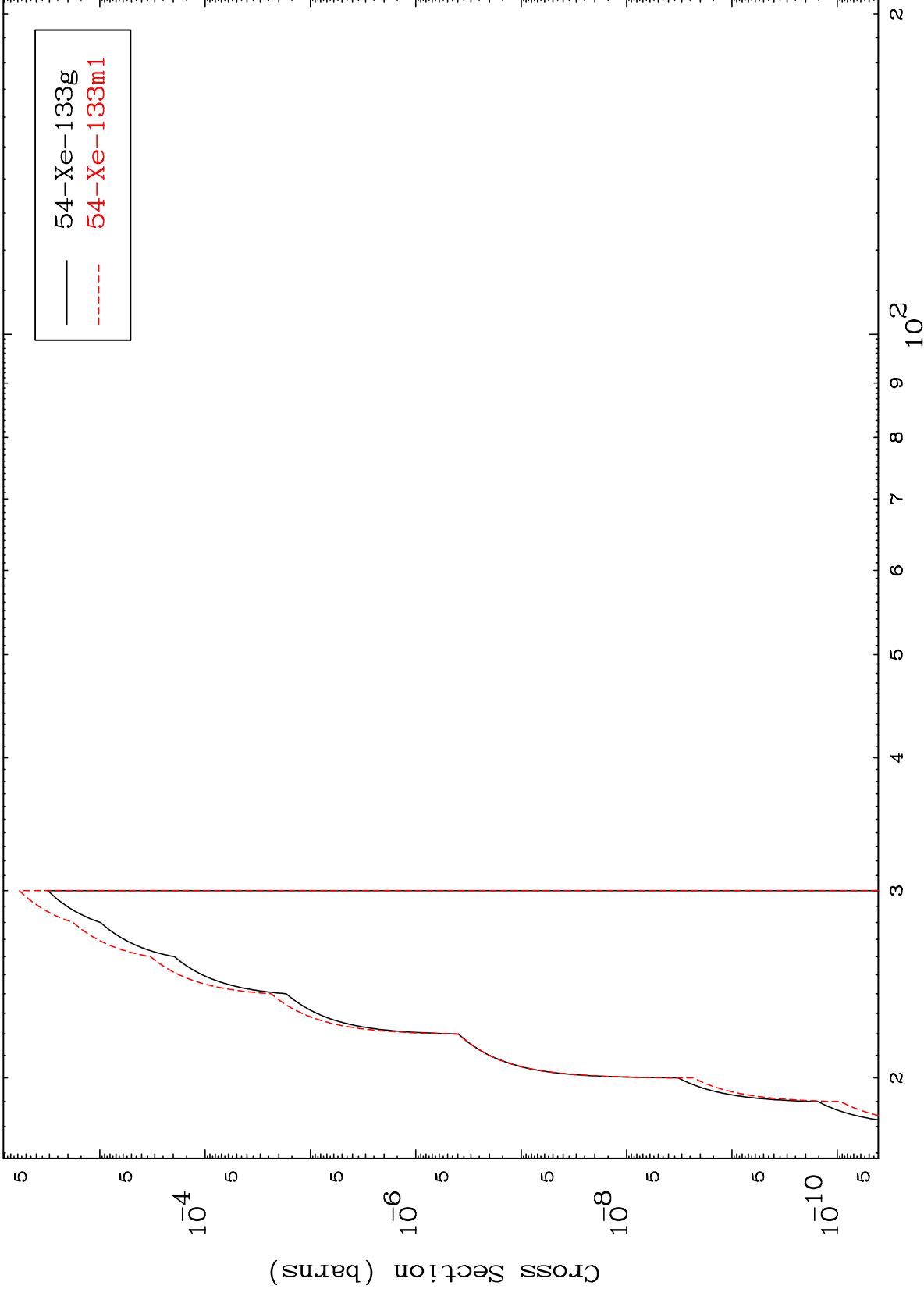
54-Xe-135

MAT 5458

(n,3n) p

54-Xe-135

Radionuclide Production Cross Section



24

Incident Energy (MeV)

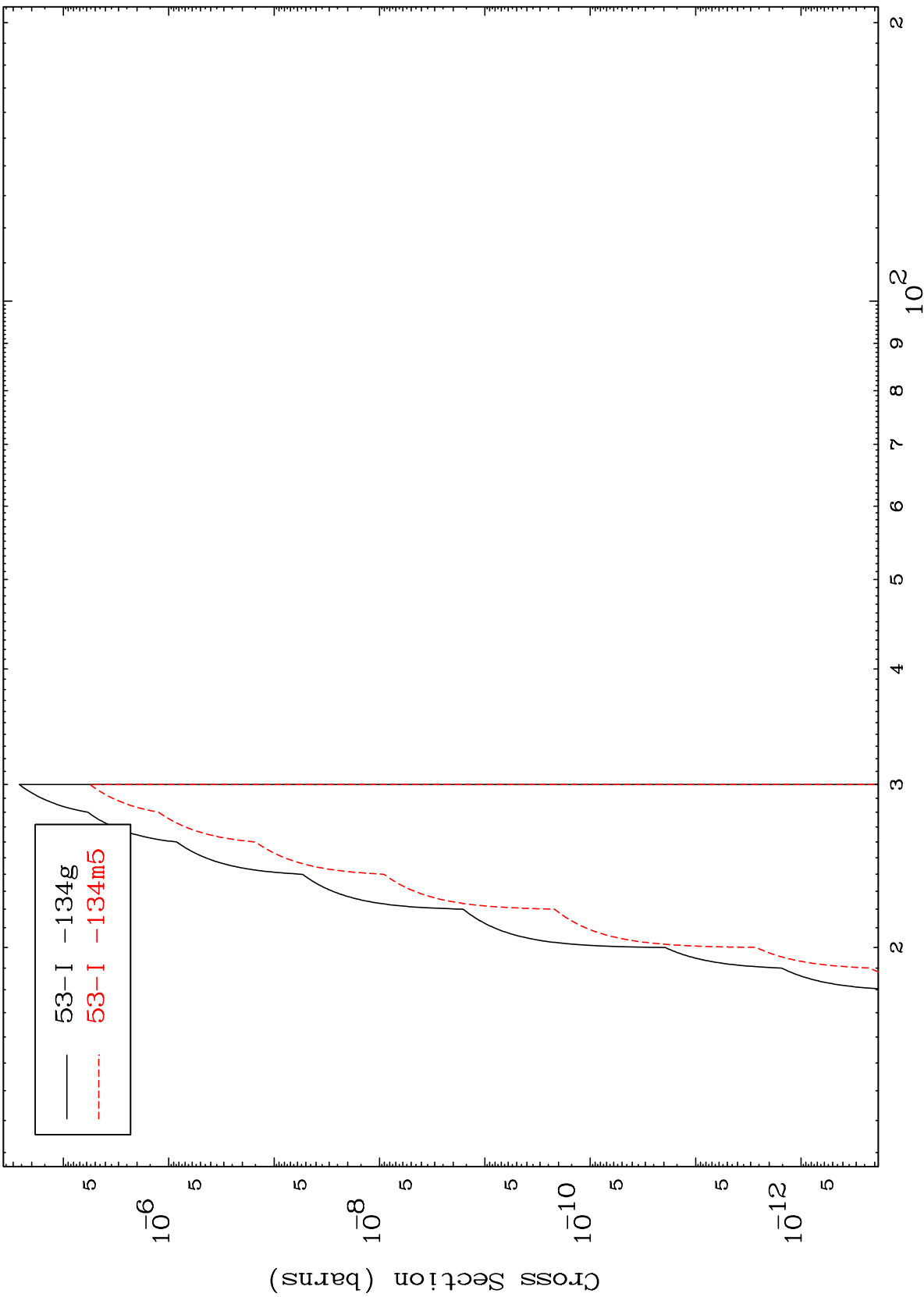
54-Xe-135

MAT 5458

(n,2n) p

54-Xe-135

Radionuclide Production Cross Section



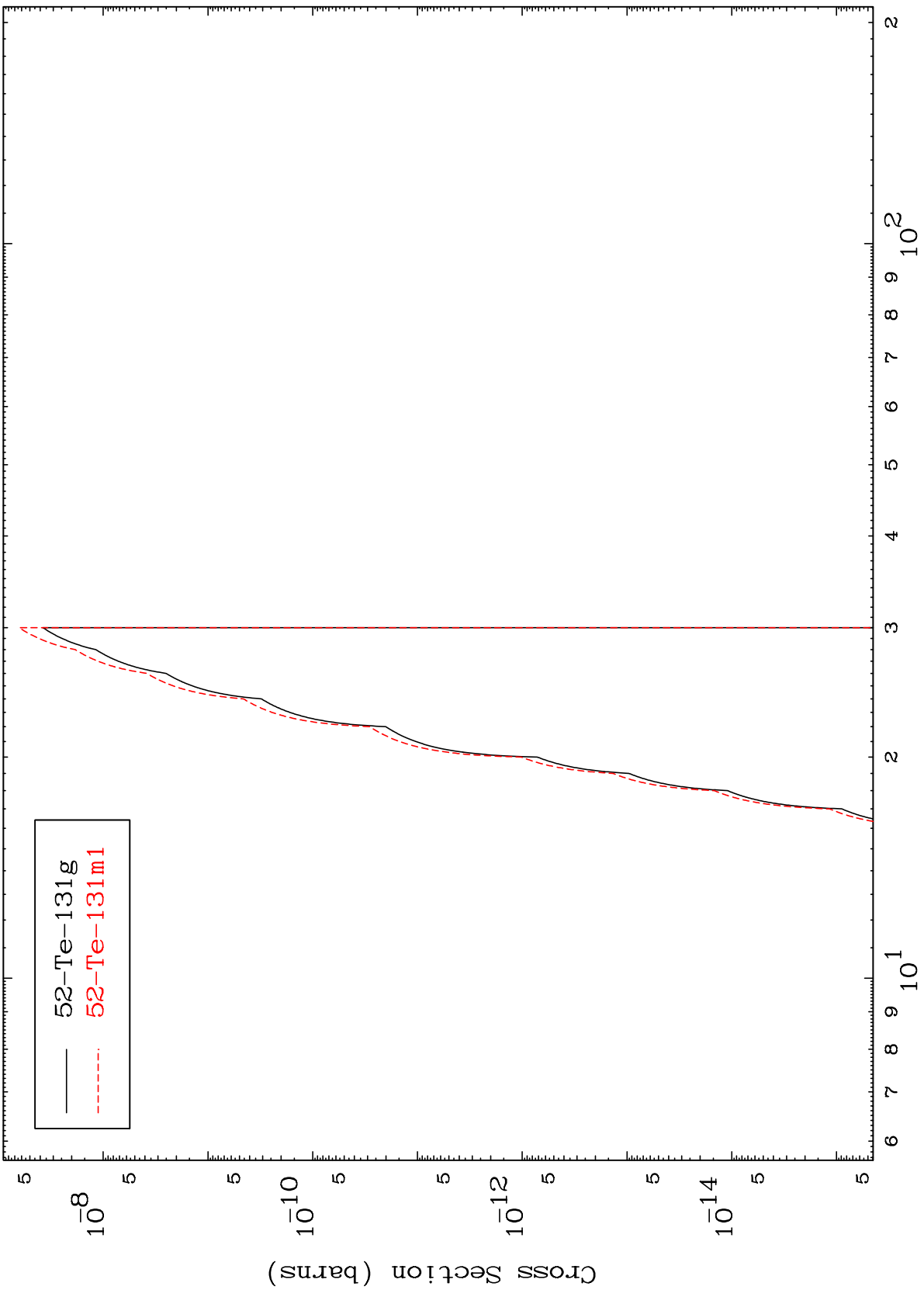
53-I -134g
53-I -134m5

MAT 5458

(n,n') p α

54-Xe-135

Radionuclide Production Cross Section



26

Incident Energy (MeV)

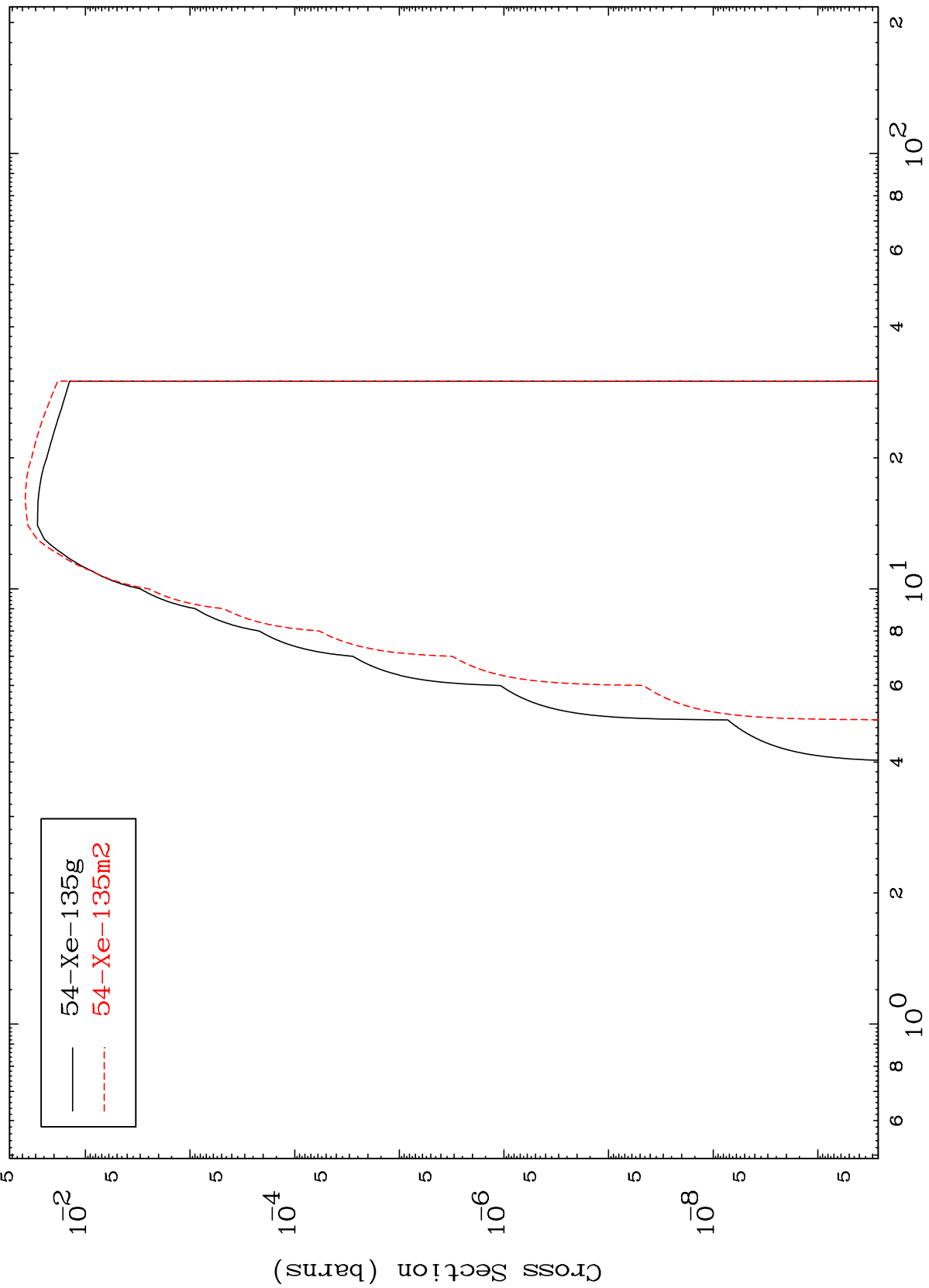
54-Xe-135

MAT 5458

(n,d)

54-Xe-135

Radionuclide Production Cross Section



27

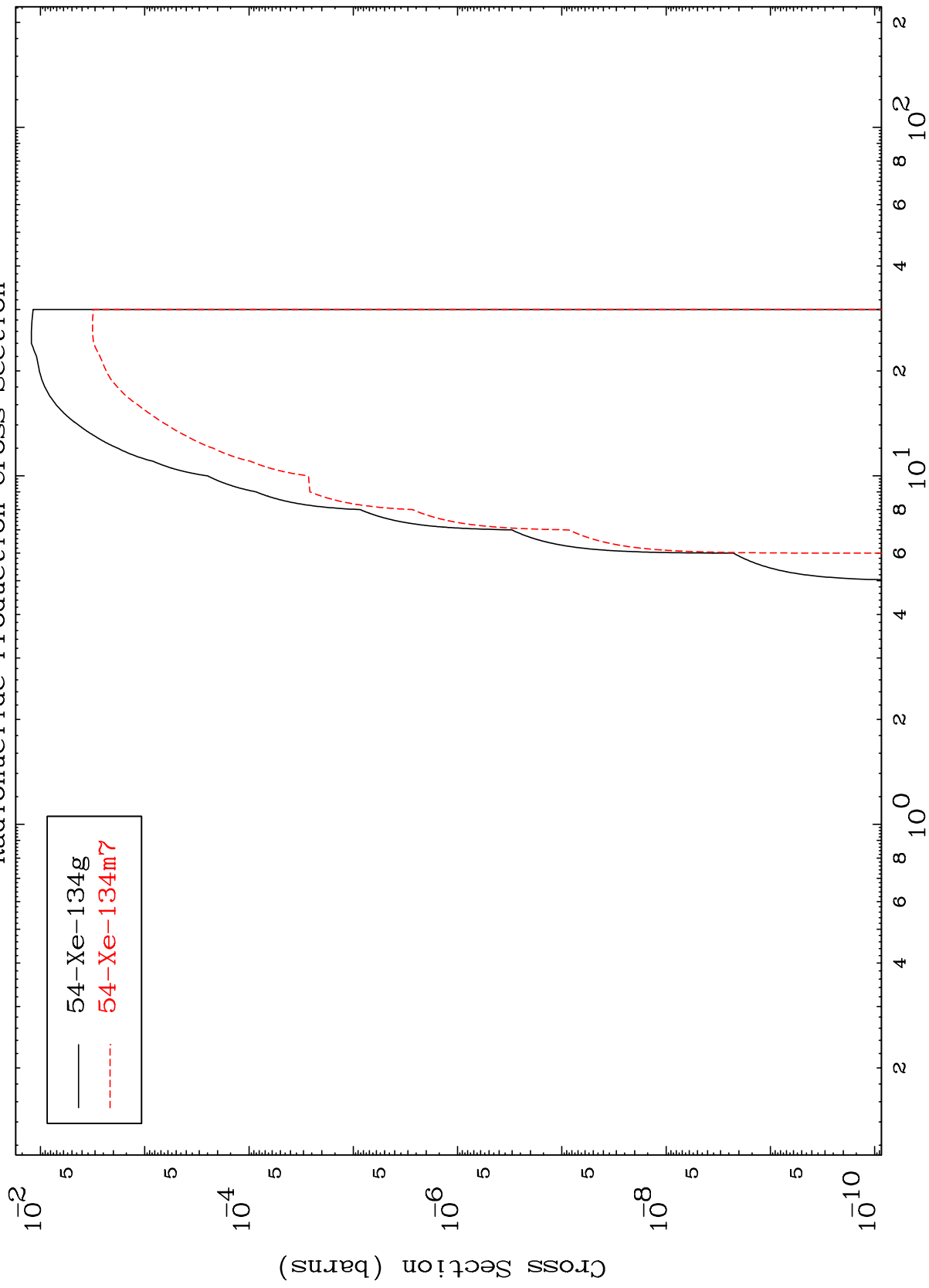
Incident Energy (MeV)

54-Xe-135

MAT 5458

54-Xe-135

(n, t)
Radionuclide Production Cross Section



54-Xe-135

Incident Energy (MeV)

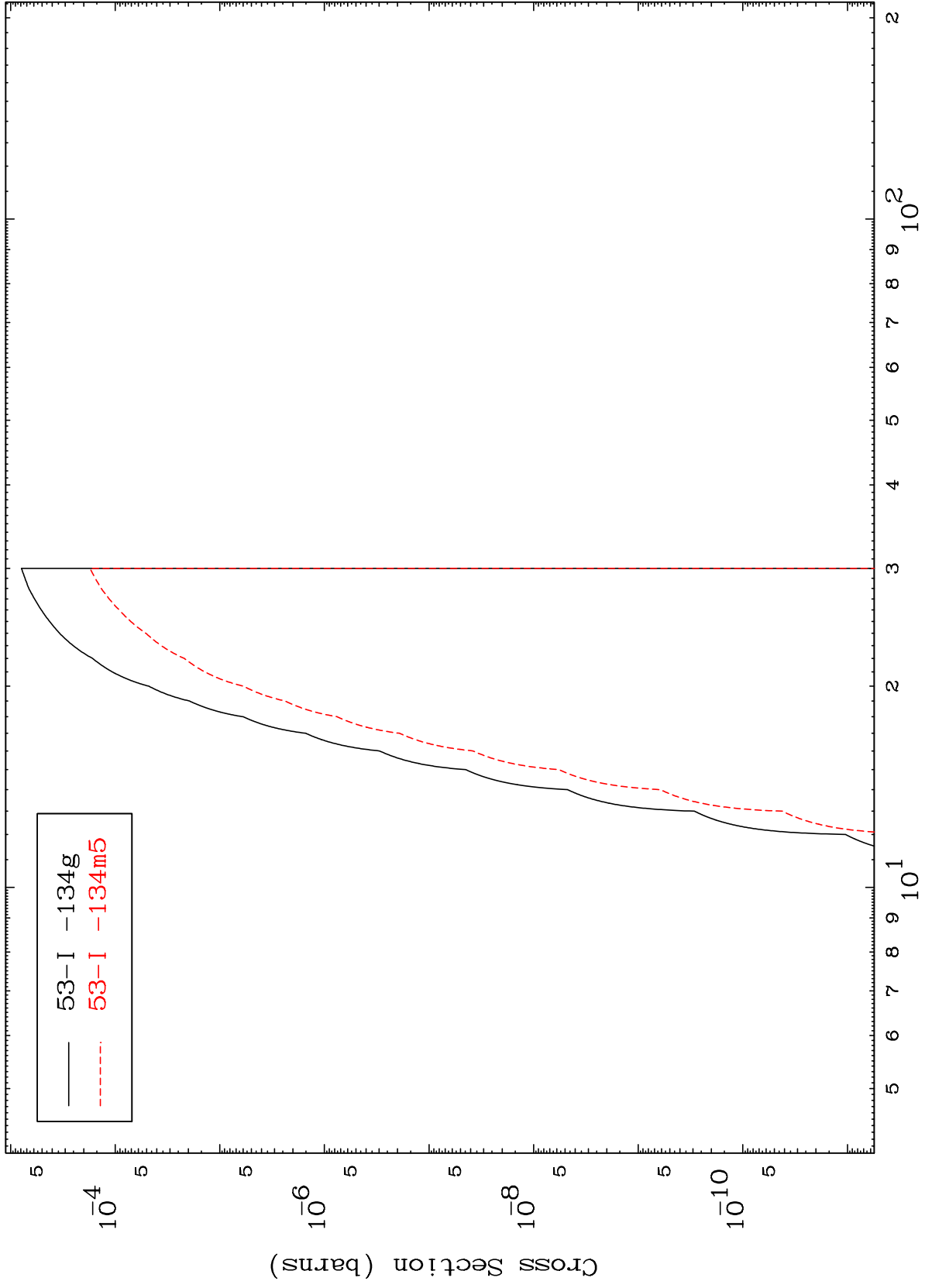
28

MAT 5458

(n,He-3)

54-Xe-135

Radionuclide Production Cross Section



29

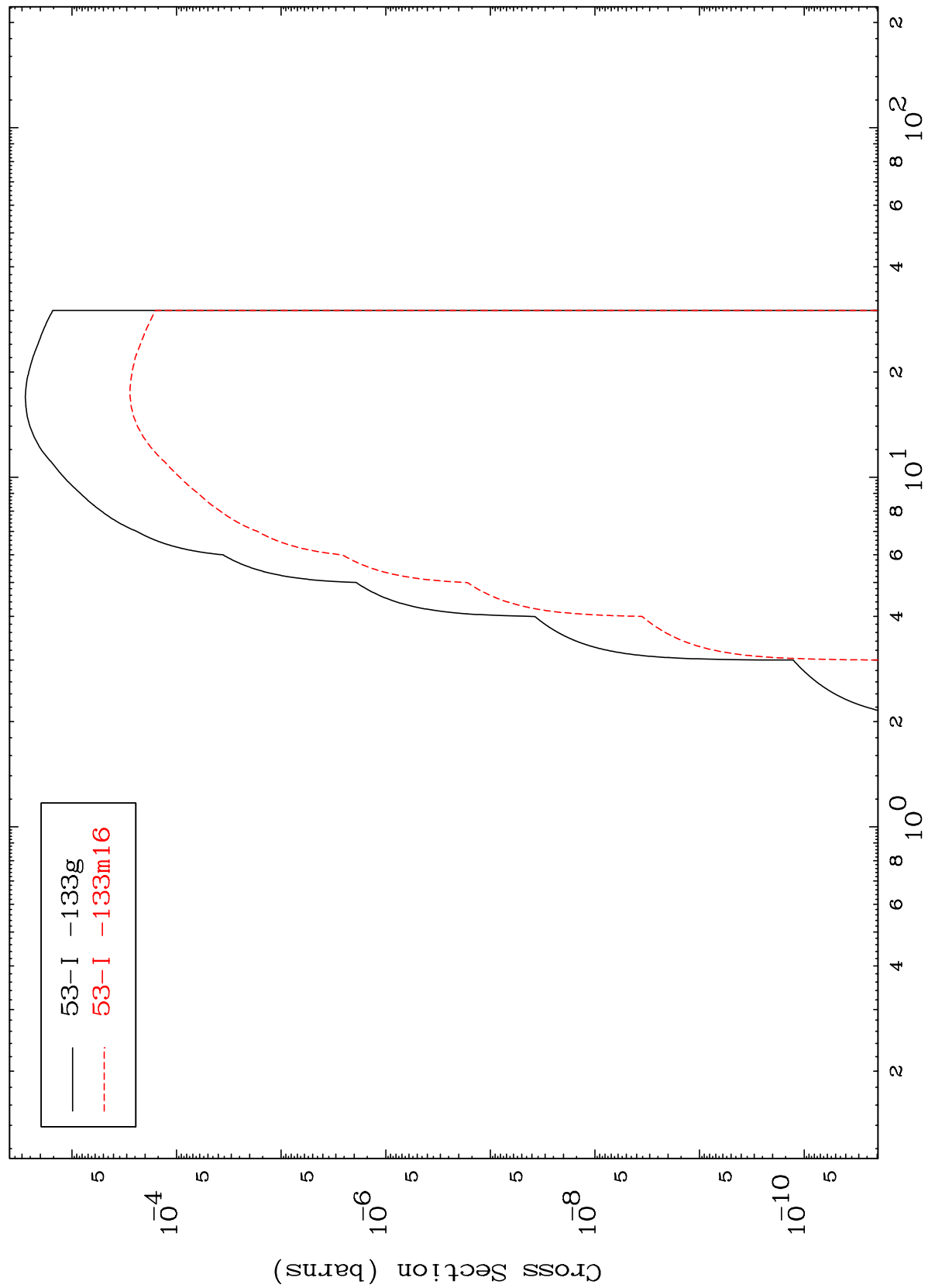
Incident Energy (MeV)

54-Xe-135

MAT 5458

54-Xe-135

(n, α)
Radionuclide Production Cross Section



30

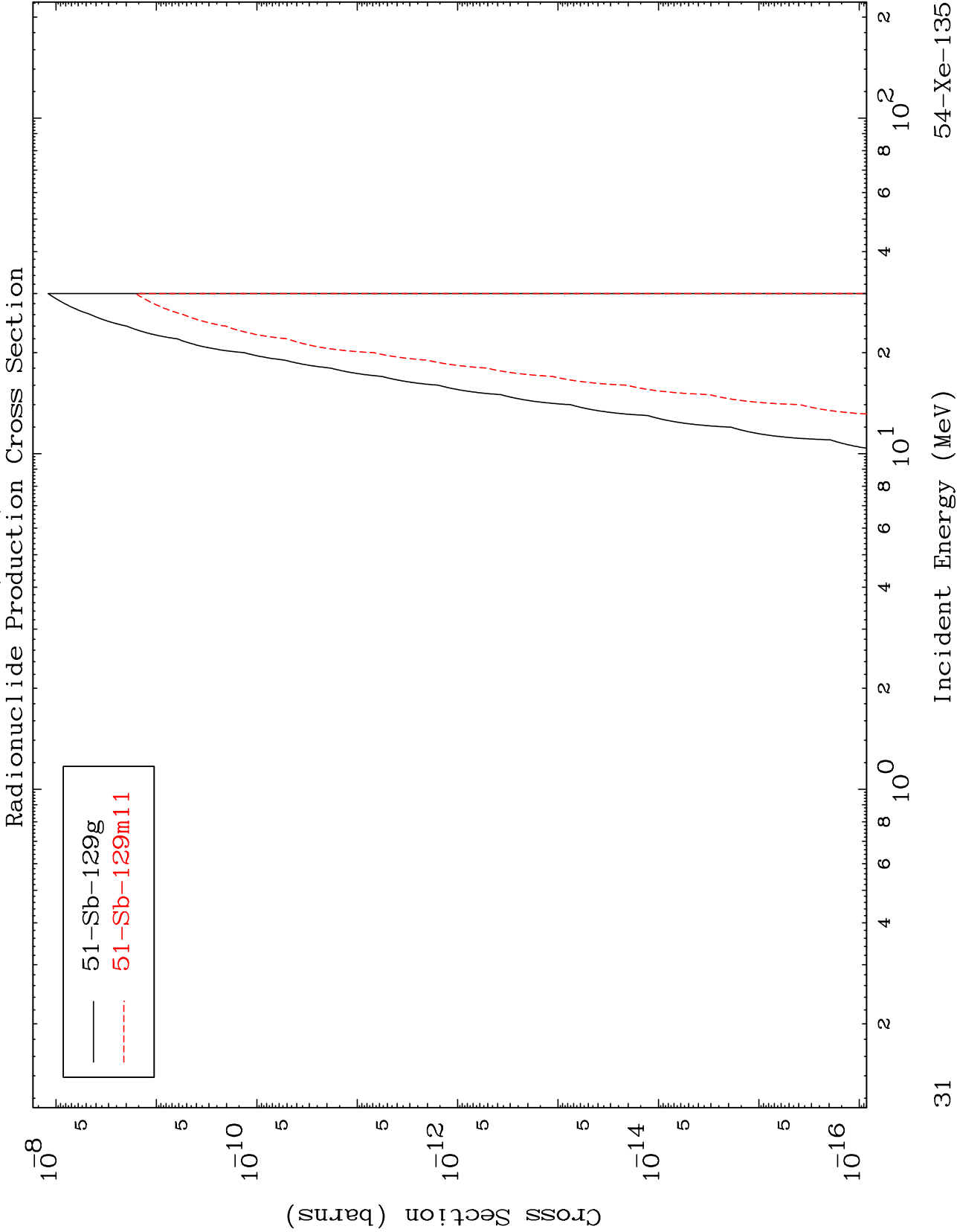
54-Xe-135

Incident Energy (MeV)

MAT 5458

(n,2α)

54-Xe-135

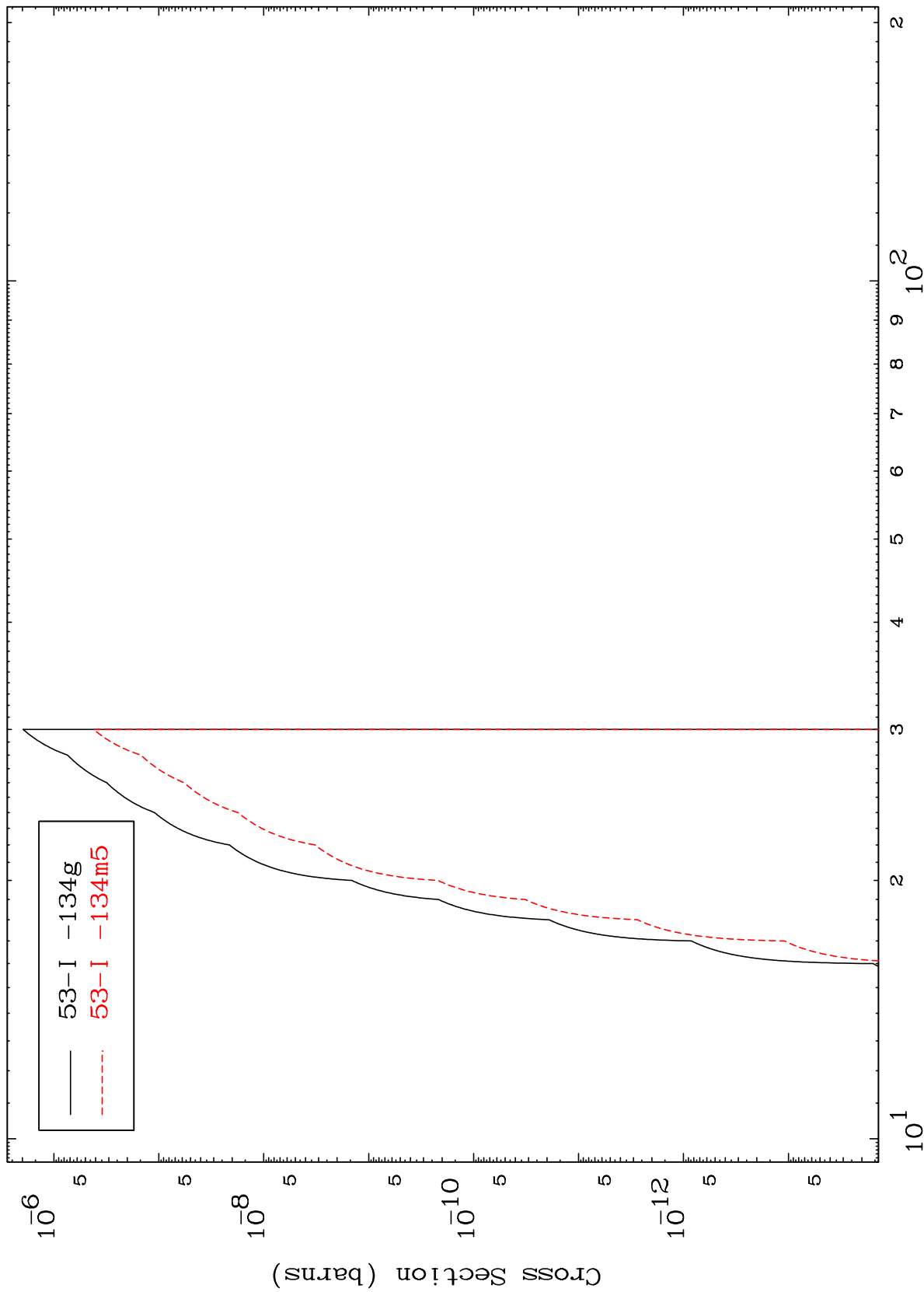


MAT 5458

(n,p) d

54-Xe-135

Radionuclide Production Cross Section



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

Incident Energy (MeV)

54-Xe-135

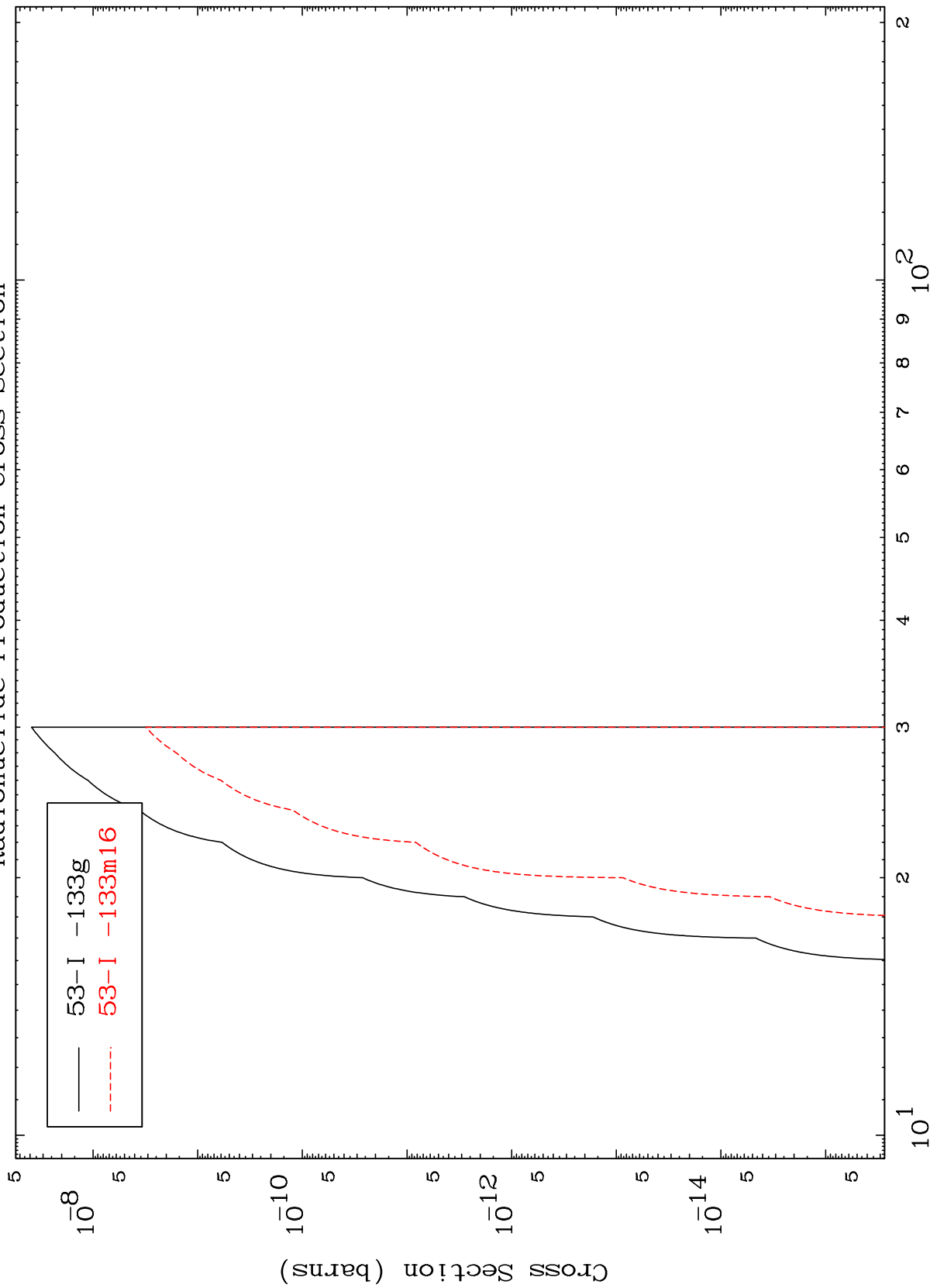
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MAT 5458

(n,p) t

54-Xe-135

Radionuclide Production Cross Section



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

Incident Energy (MeV)

54-Xe-135

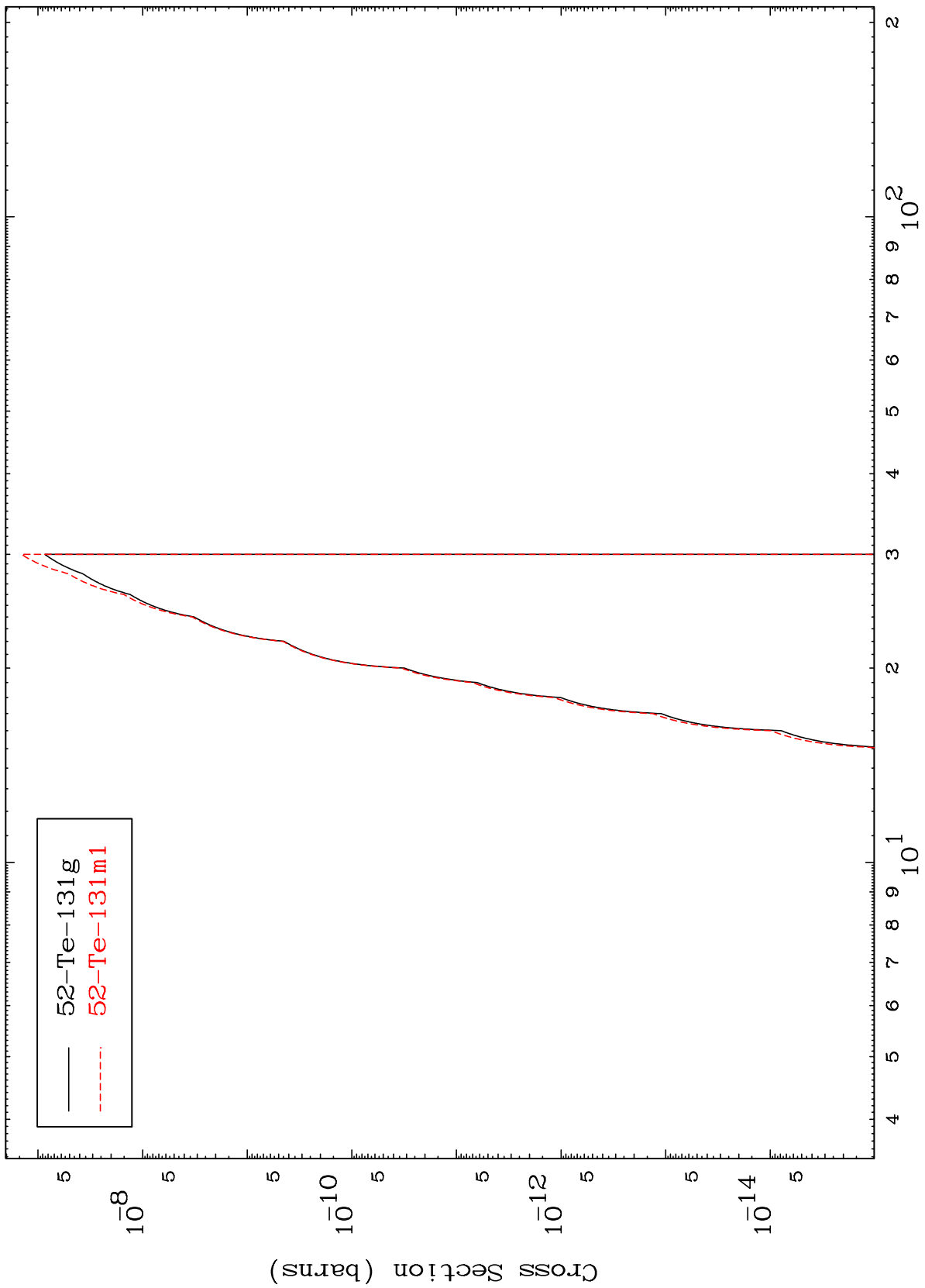
33

MAT 5458

(n,d) α

54-Xe-135

Radionuclide Production Cross Section



52-Te-131g
52-Te-131m1

34

Incident Energy (MeV)

54-Xe-135