

Program EVALPLOT
(Version 2018-1)

by

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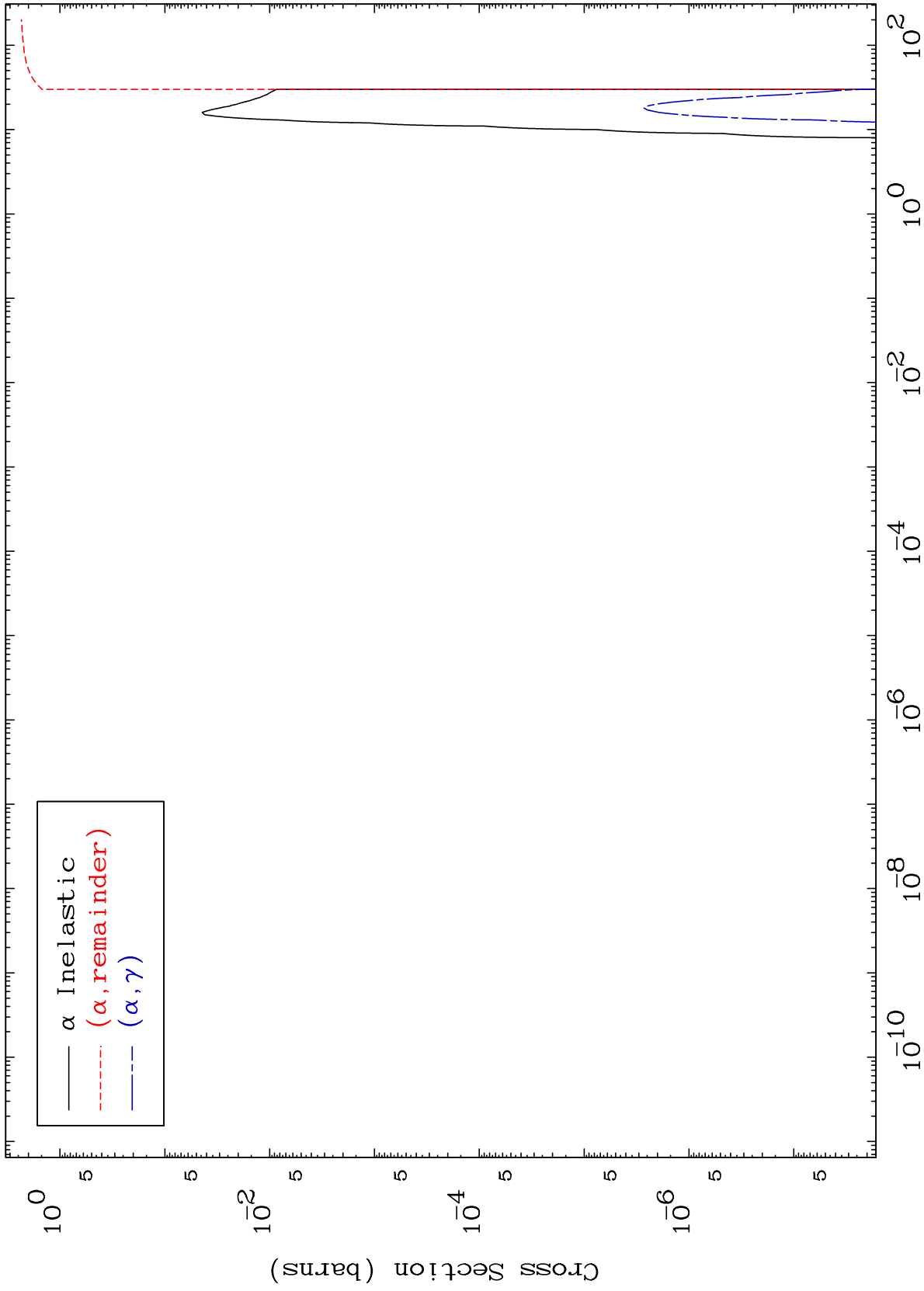
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5458

0 Kelvin α Major
Cross Sections

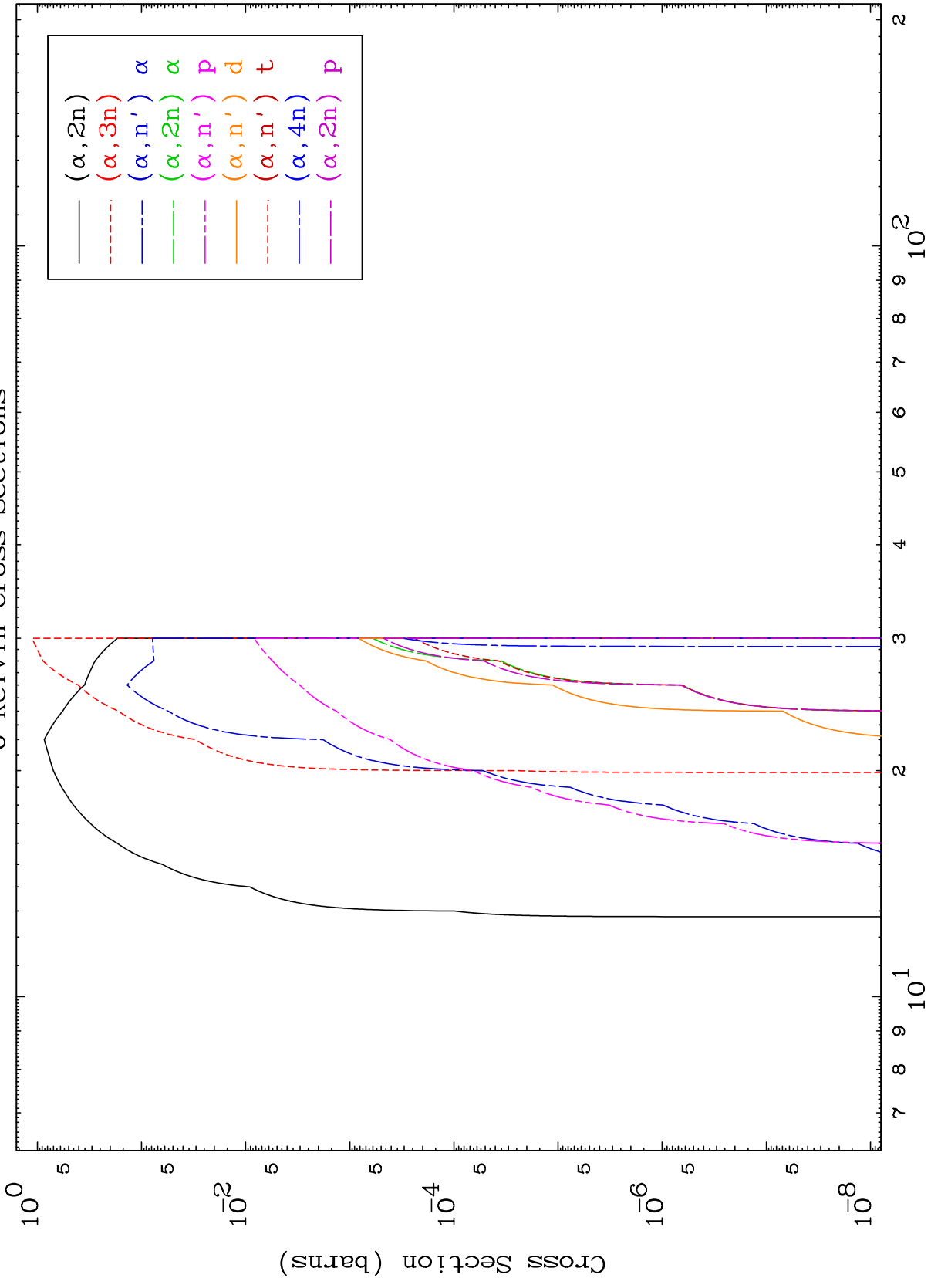
54-Xe-135



MAT 5458

α Neutron Production
0 Kelvin Cross Sections

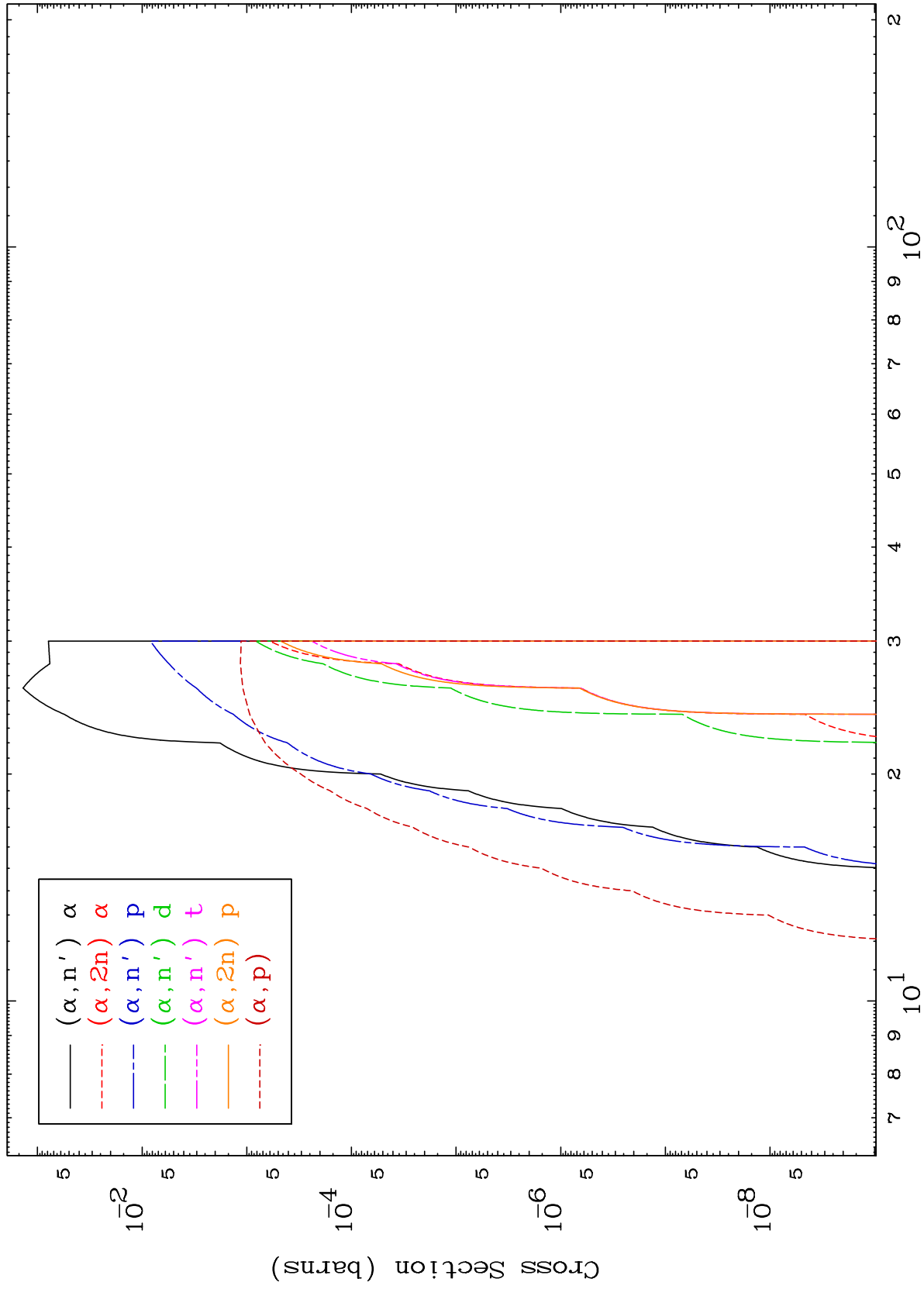
54-Xe-135



54-Xe-135

Incident Energy (MeV)

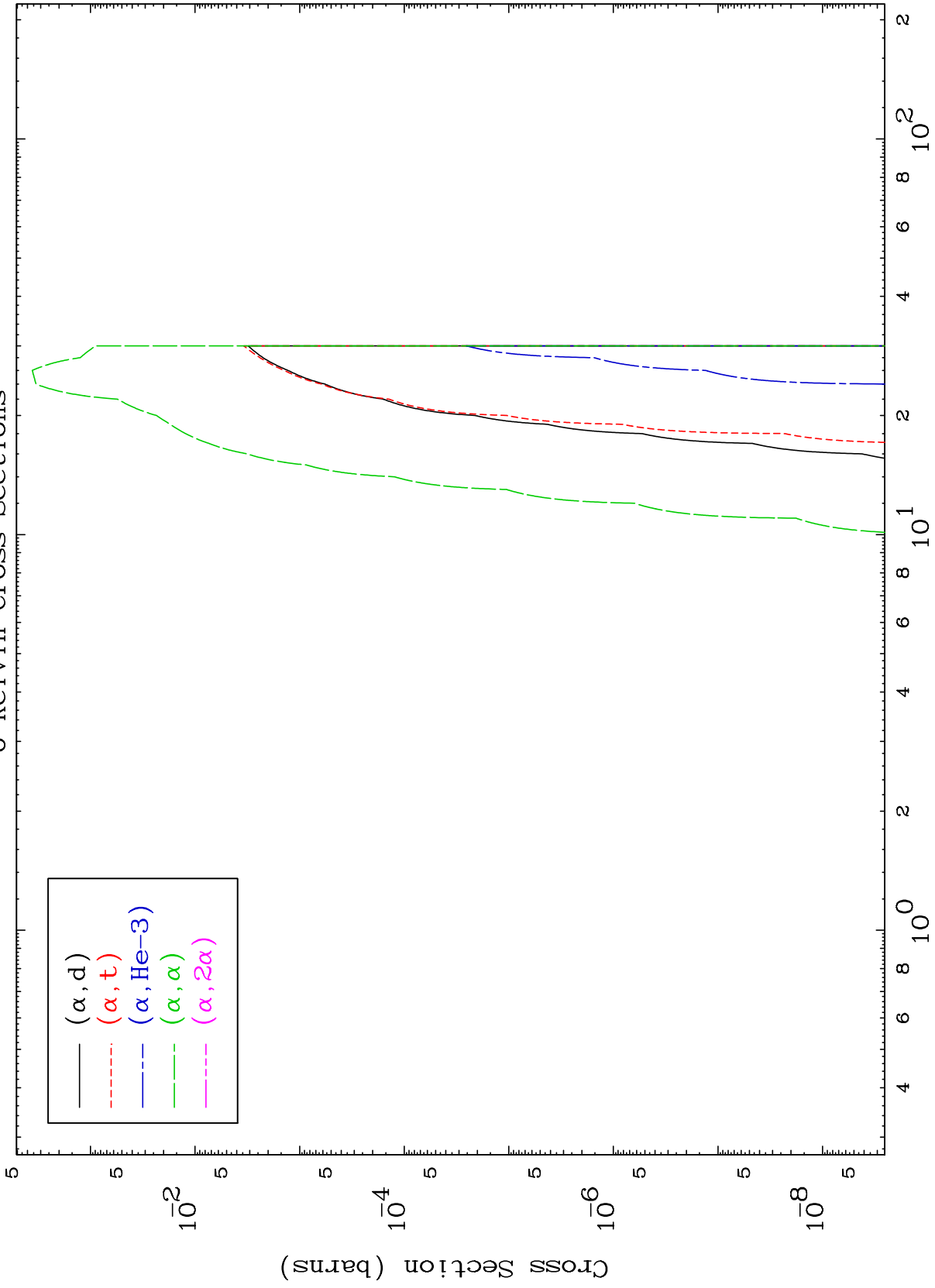
2



MAT 5458

α Charged Particle
0 Kelvin Cross Sections

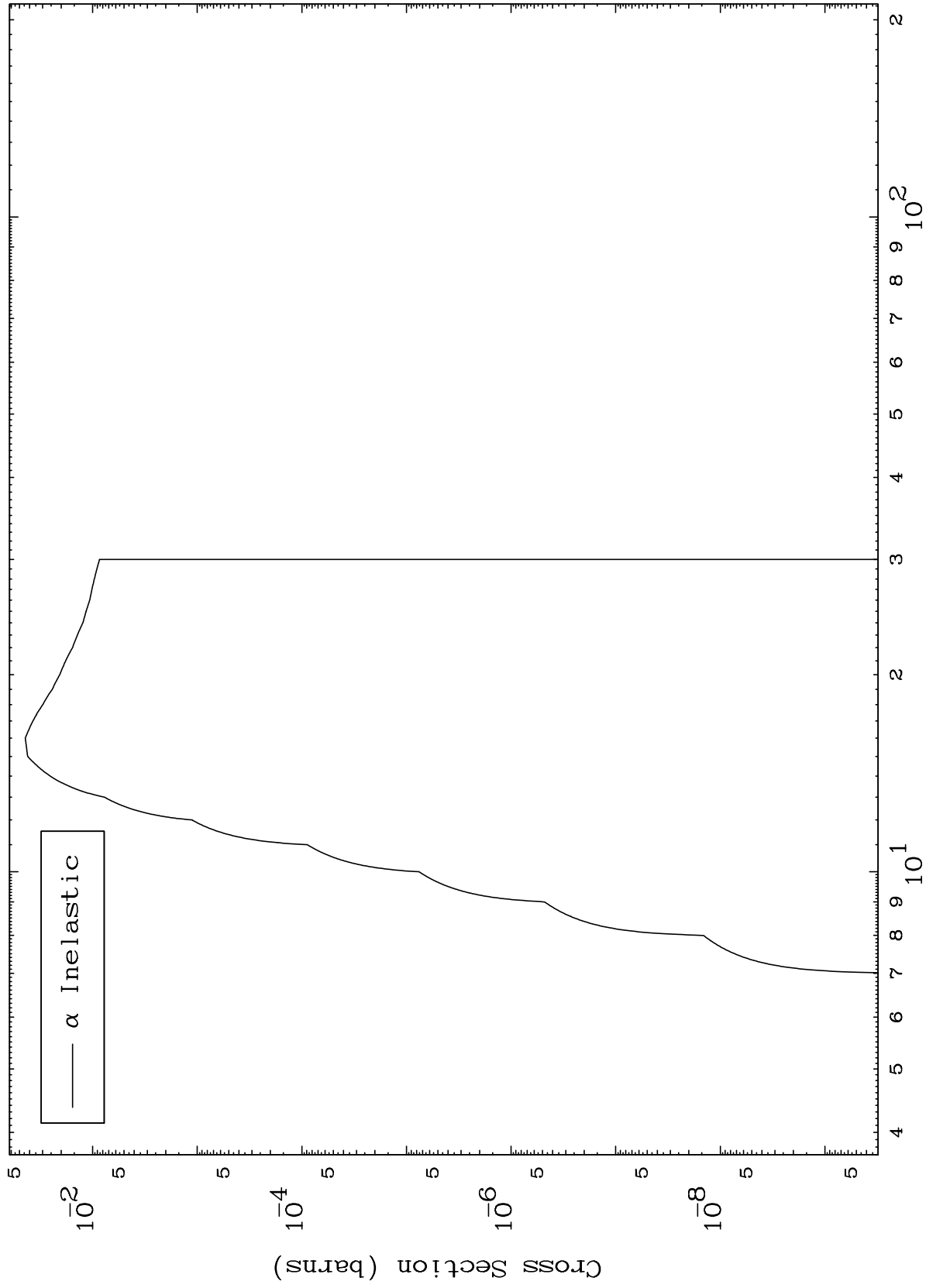
54-Xe-135



MAT 5458

(α, n') Level
0 Kelvin Cross Sections

54-Xe-135



5

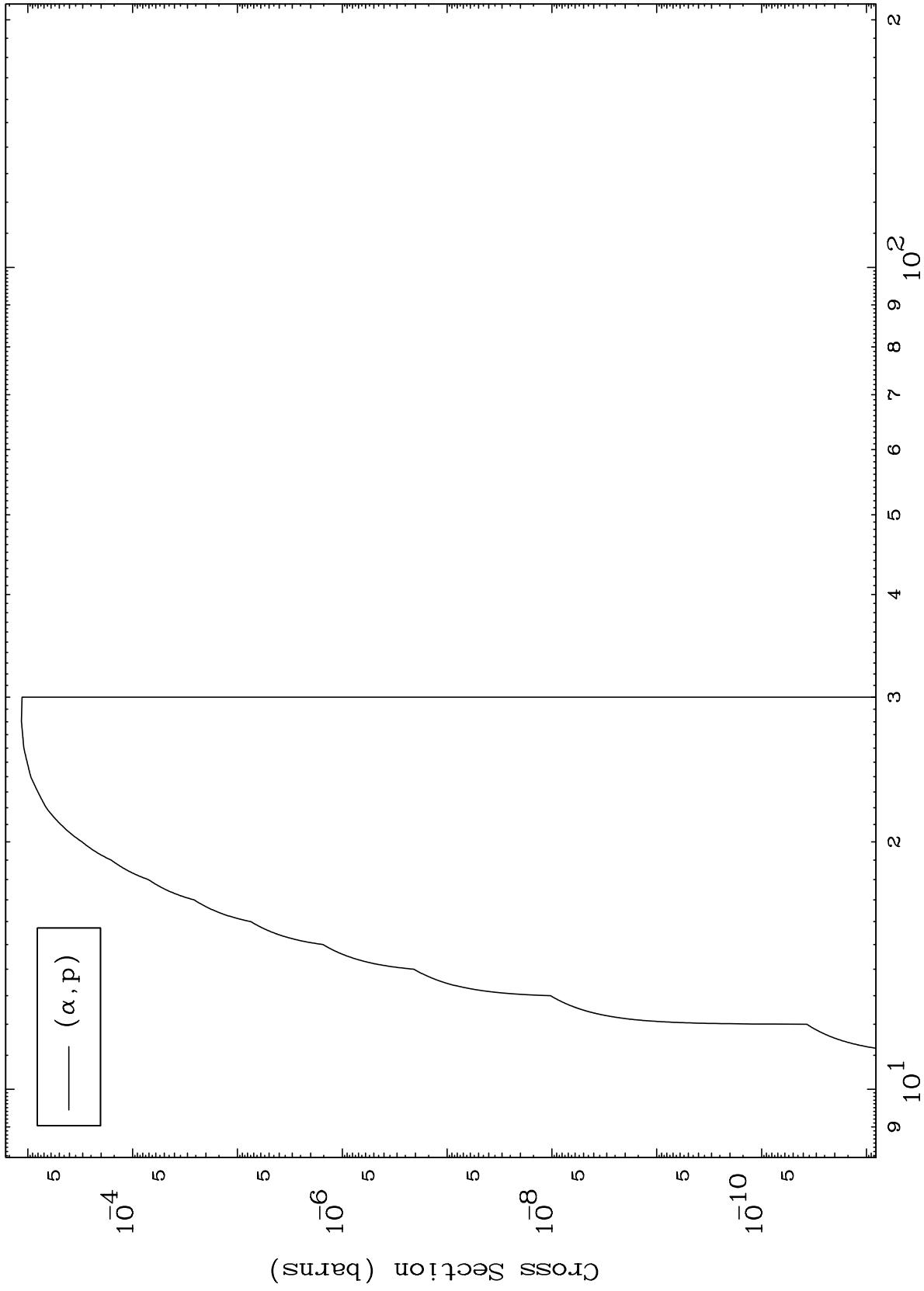
Incident Energy (MeV)

54-Xe-135

MAT 5458

(α, p) Levels
0 Kelvin Cross Sections

54-Xe-135



6

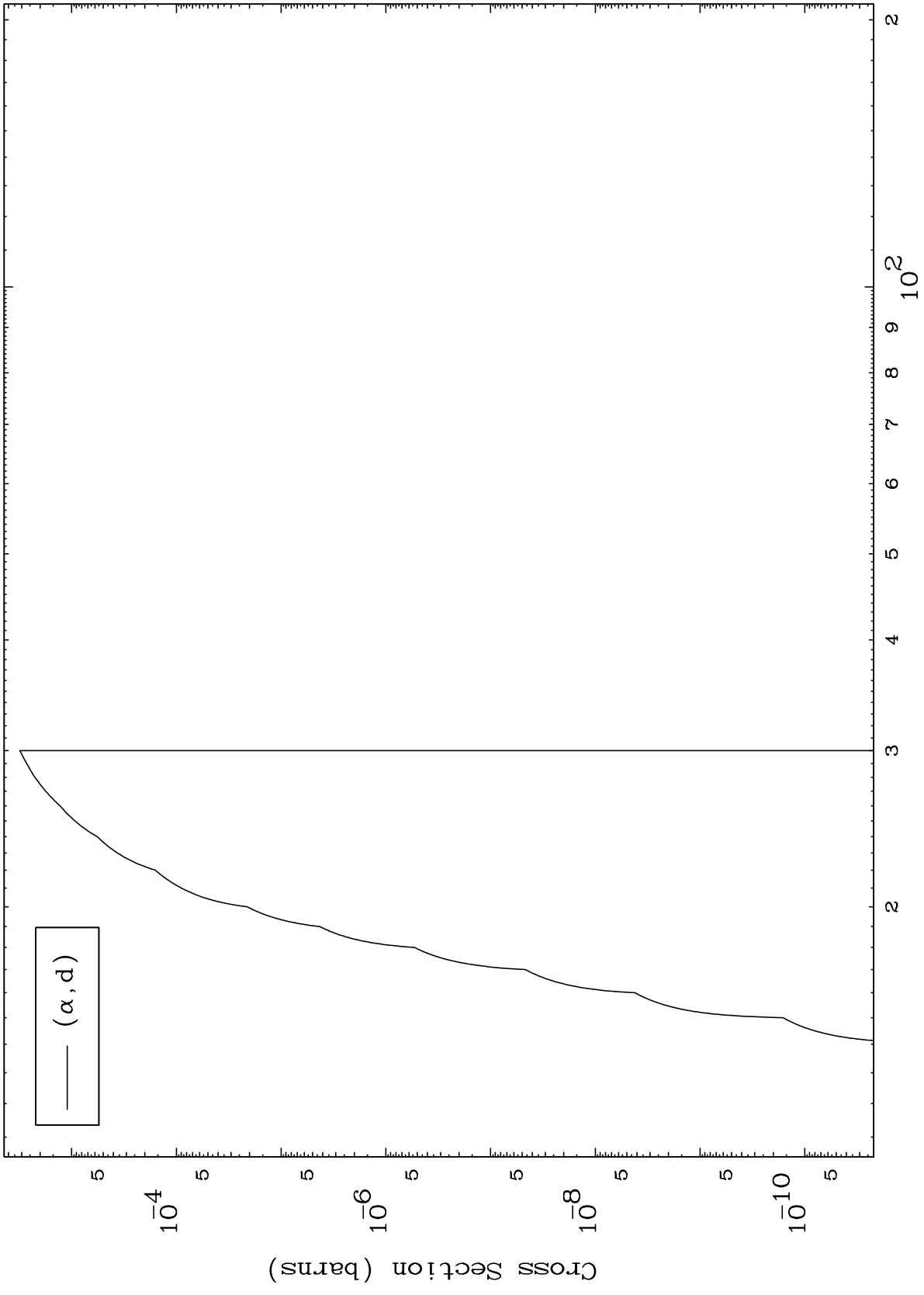
Incident Energy (MeV)

54-Xe-135

MAT 5458

(α, d) Levels
0 Kelvin Cross Sections

54-Xe-135



7

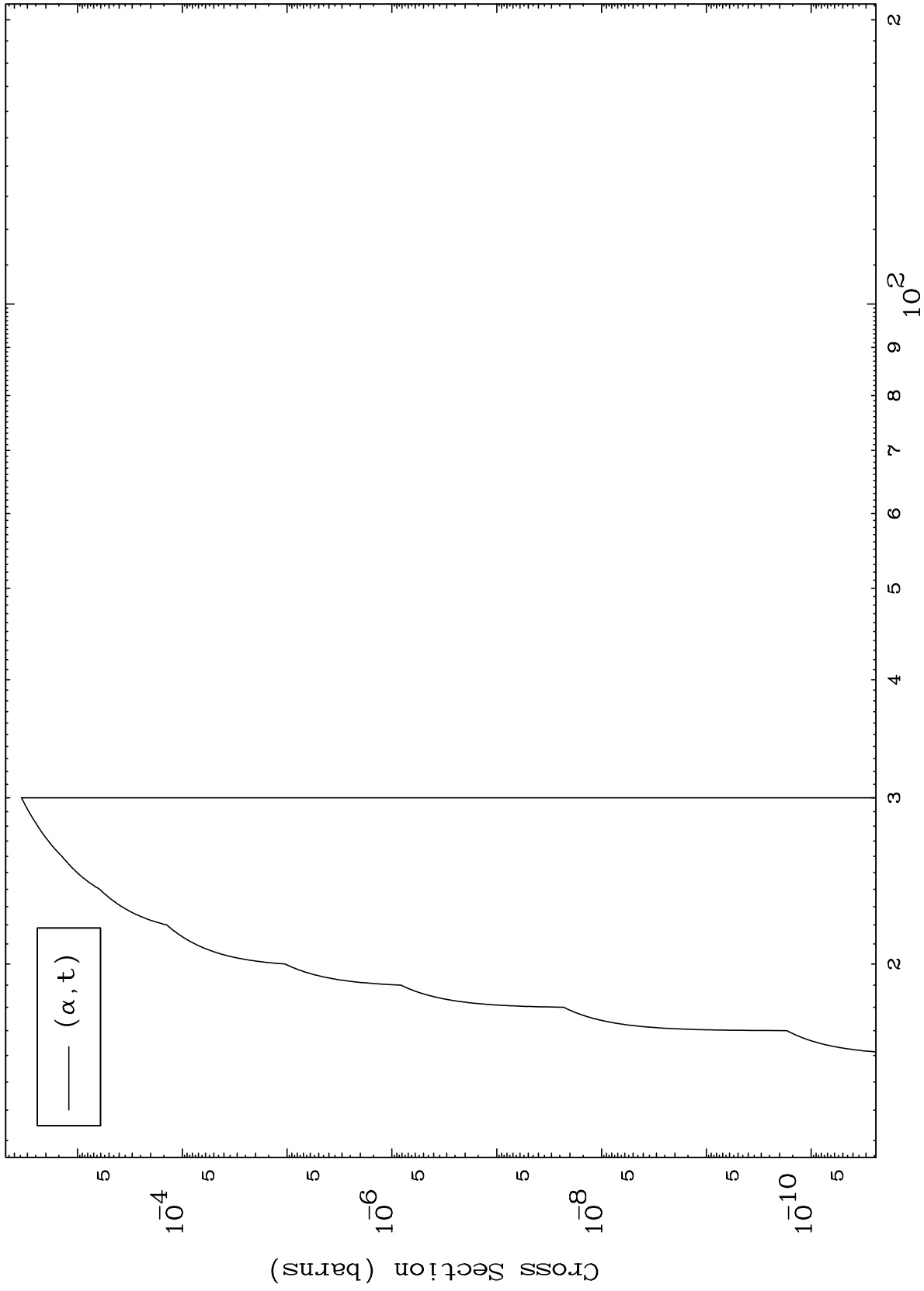
Incident Energy (MeV)

54-Xe-135

MAT 5458

(α, t) Levels
0 Kelvin Cross Sections

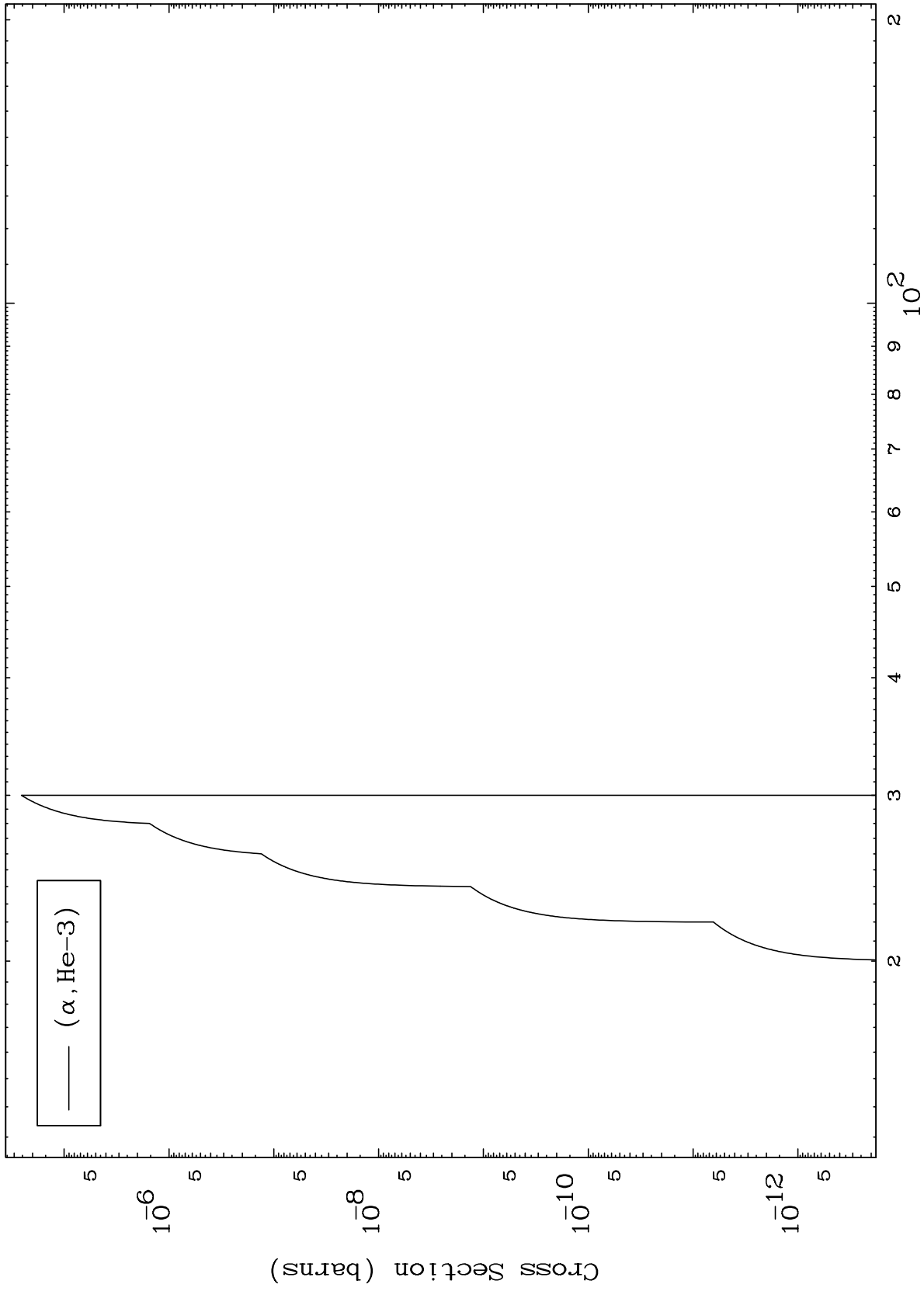
54-Xe-135



8

Incident Energy (MeV)

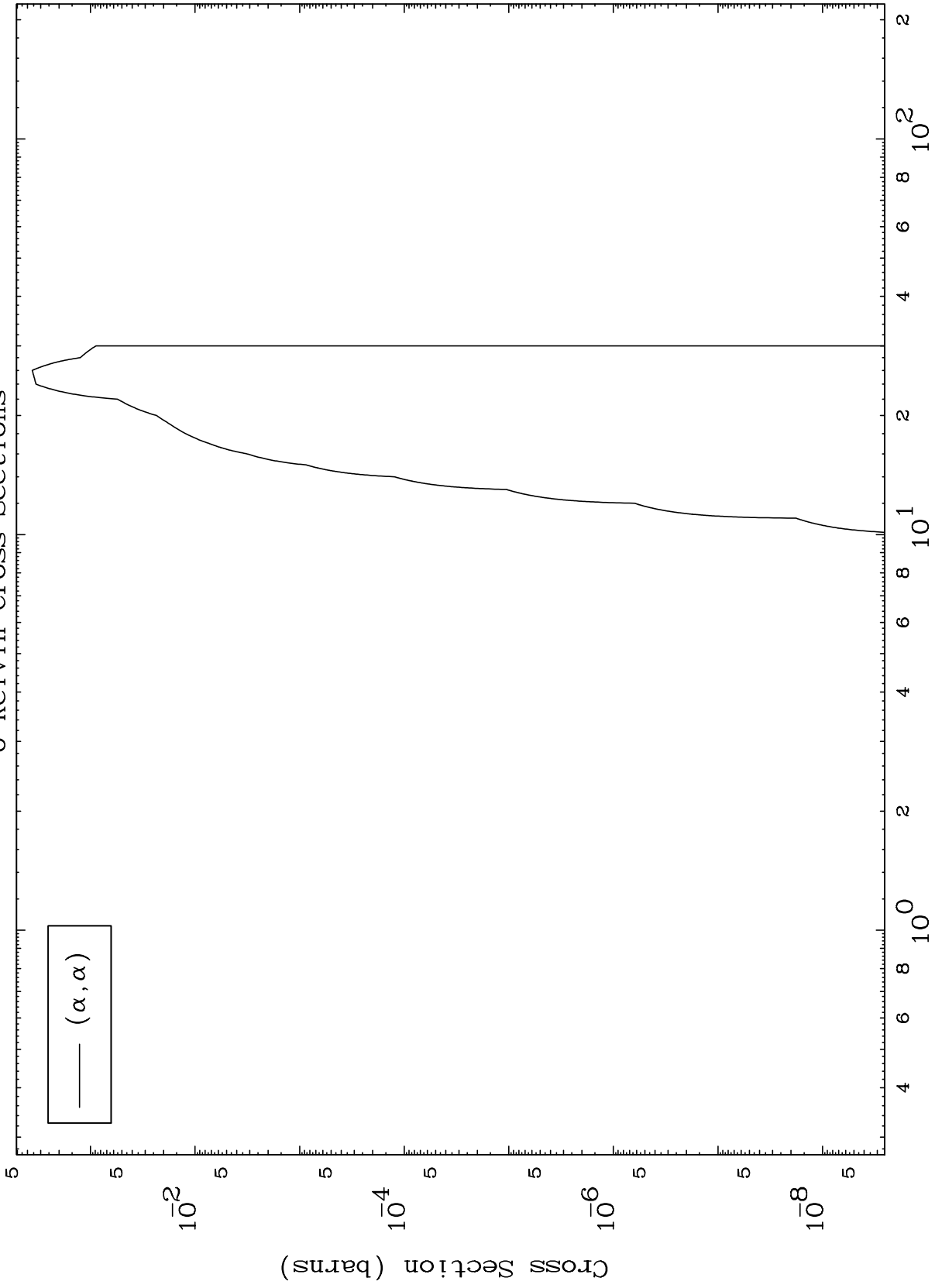
54-Xe-135



MAT 5458

(α, α) Levels
0 Kelvin Cross Sections

54-Xe-135



10

Incident Energy (MeV)

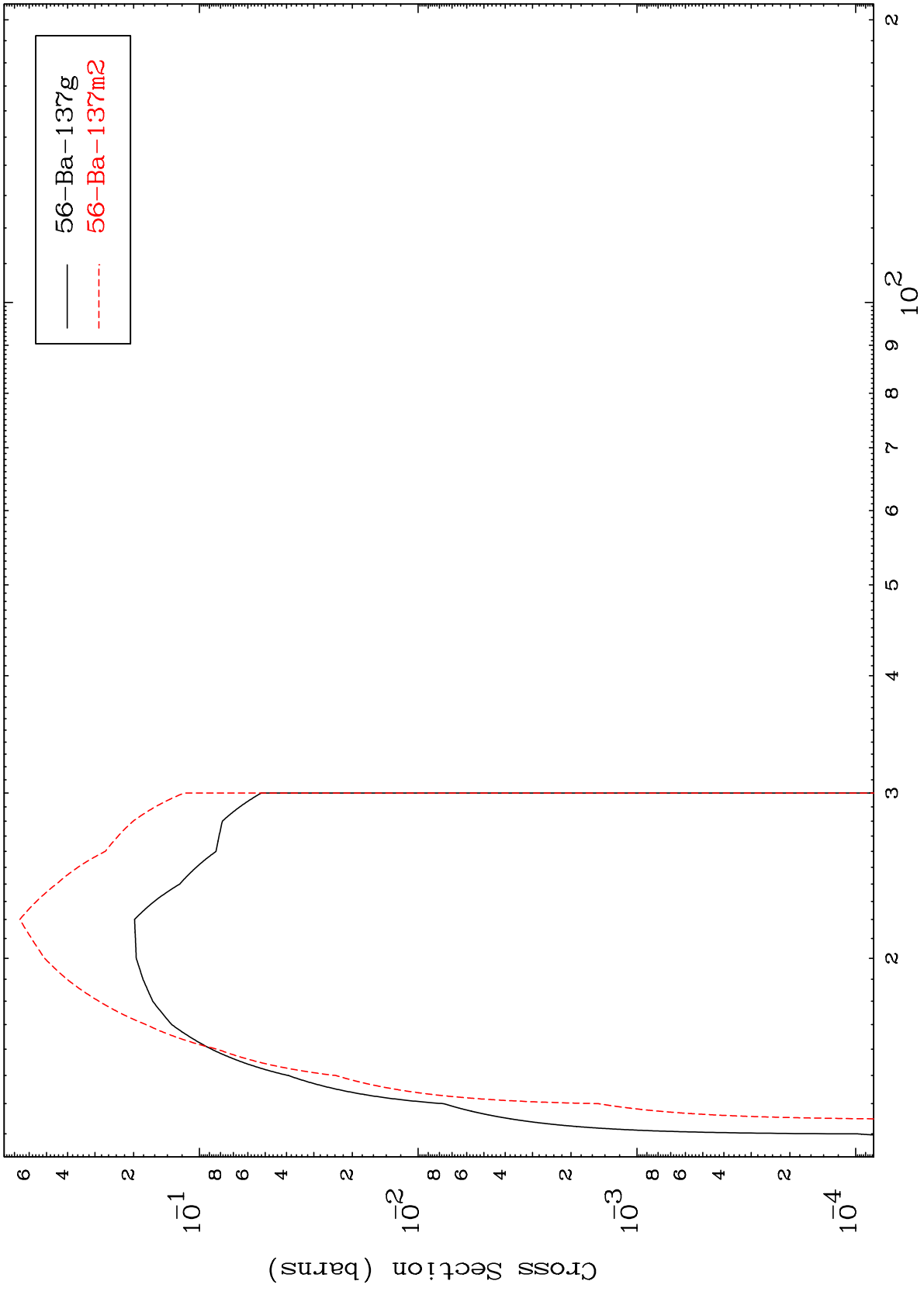
54-Xe-135

MAT 5458

($\alpha, 2n$)

54-Xe-135

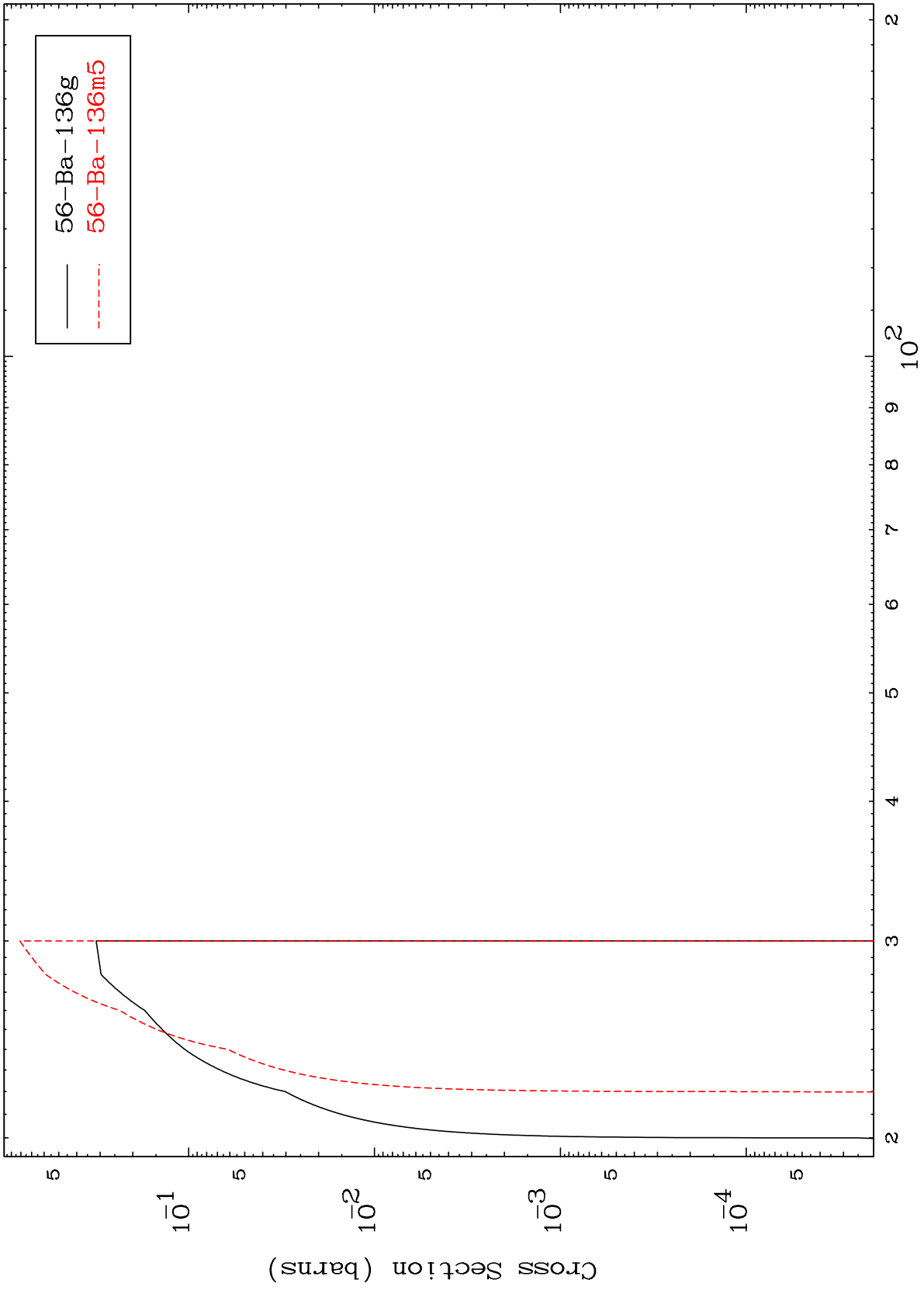
Radionuclide Production Cross Section



MAT 5458

54-Xe-135

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



12

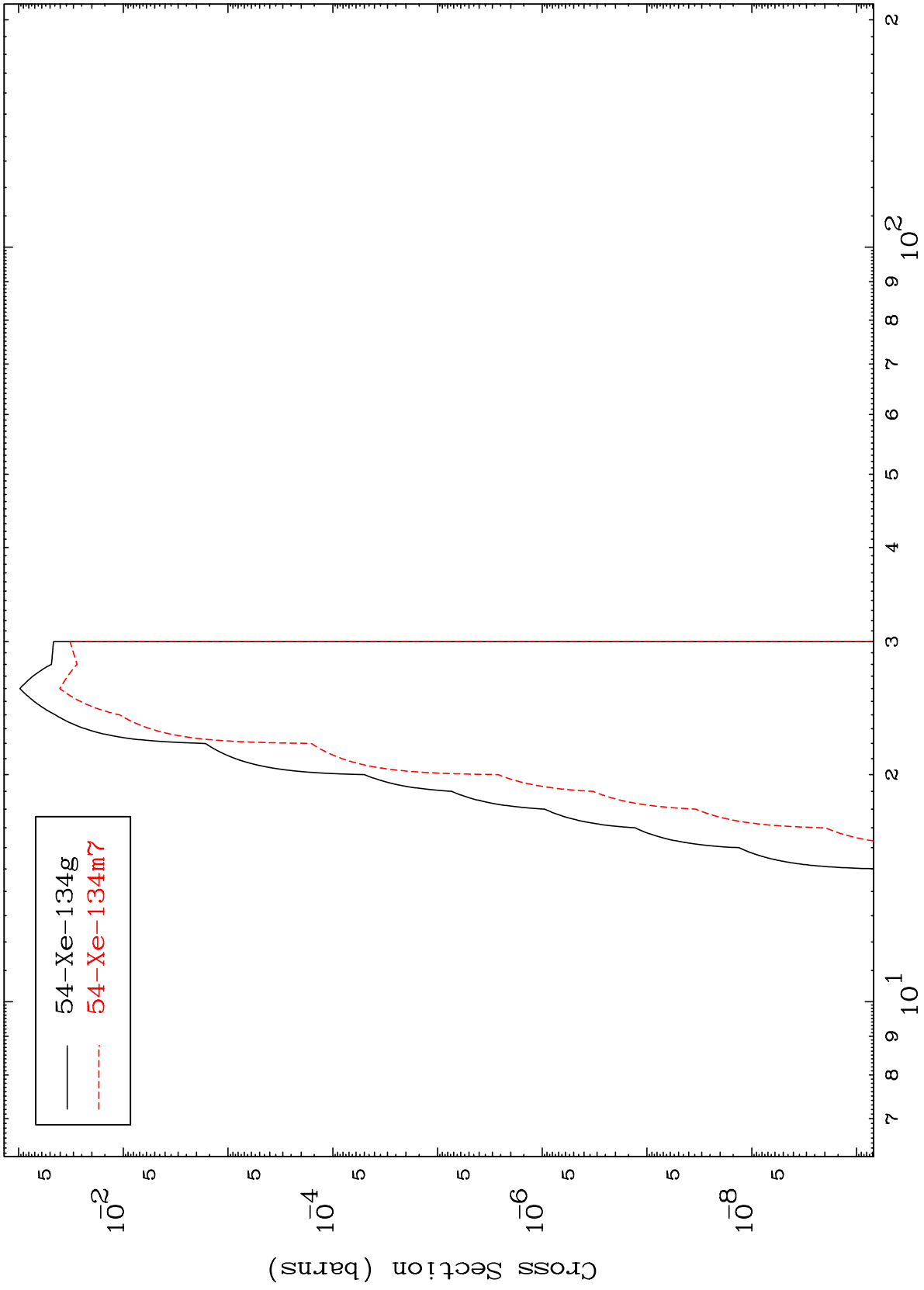
Incident Energy (MeV)

54-Xe-135

MAT 5458

54-Xe-135

(α, n') α
Radionuclide Production Cross Section



13

Incident Energy (MeV)

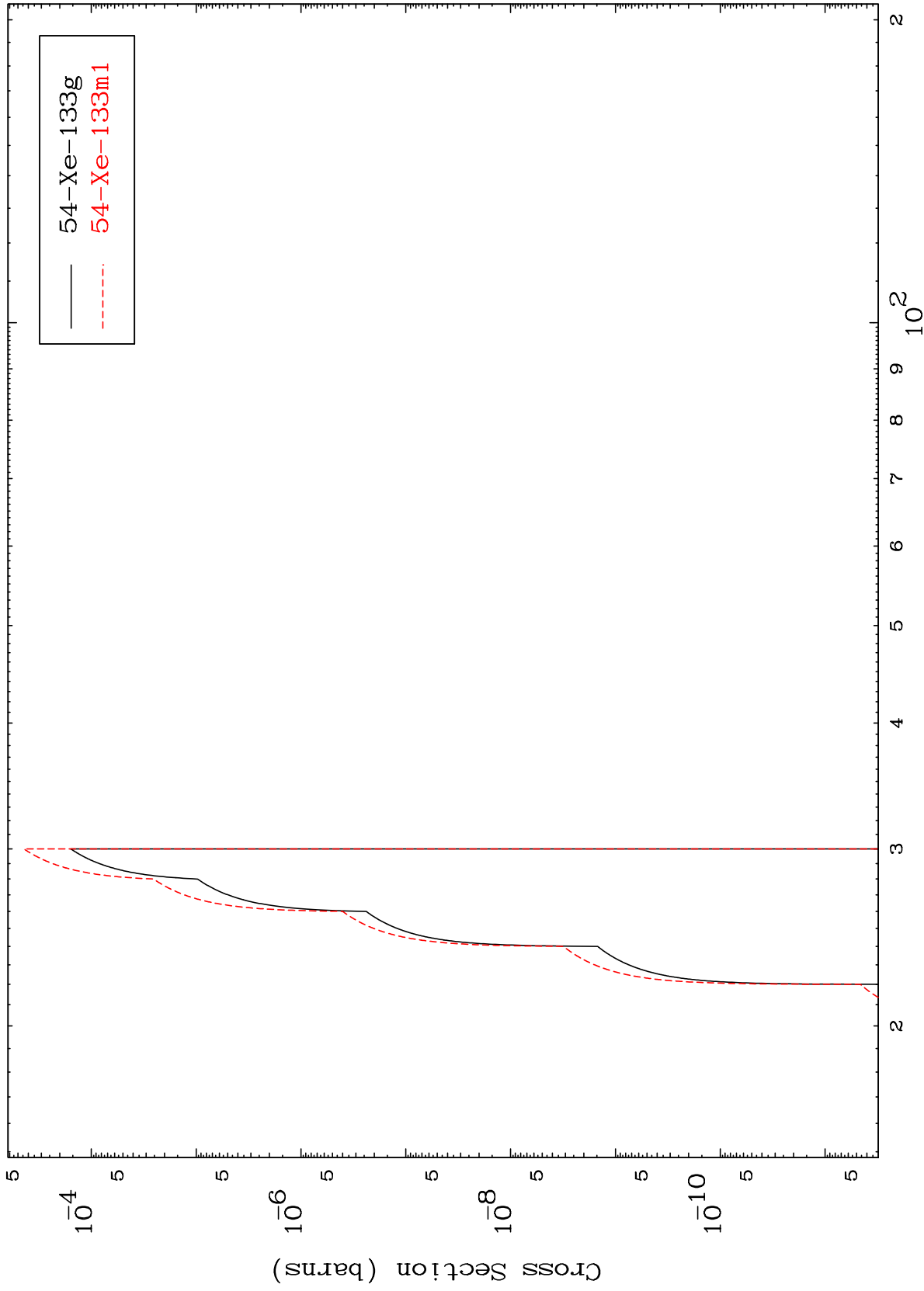
54-Xe-135

MAT 5458

$(\alpha, 2n) \alpha$

$^{54}\text{Xe-135}$

Radionuclide Production Cross Section



14

Incident Energy (MeV)

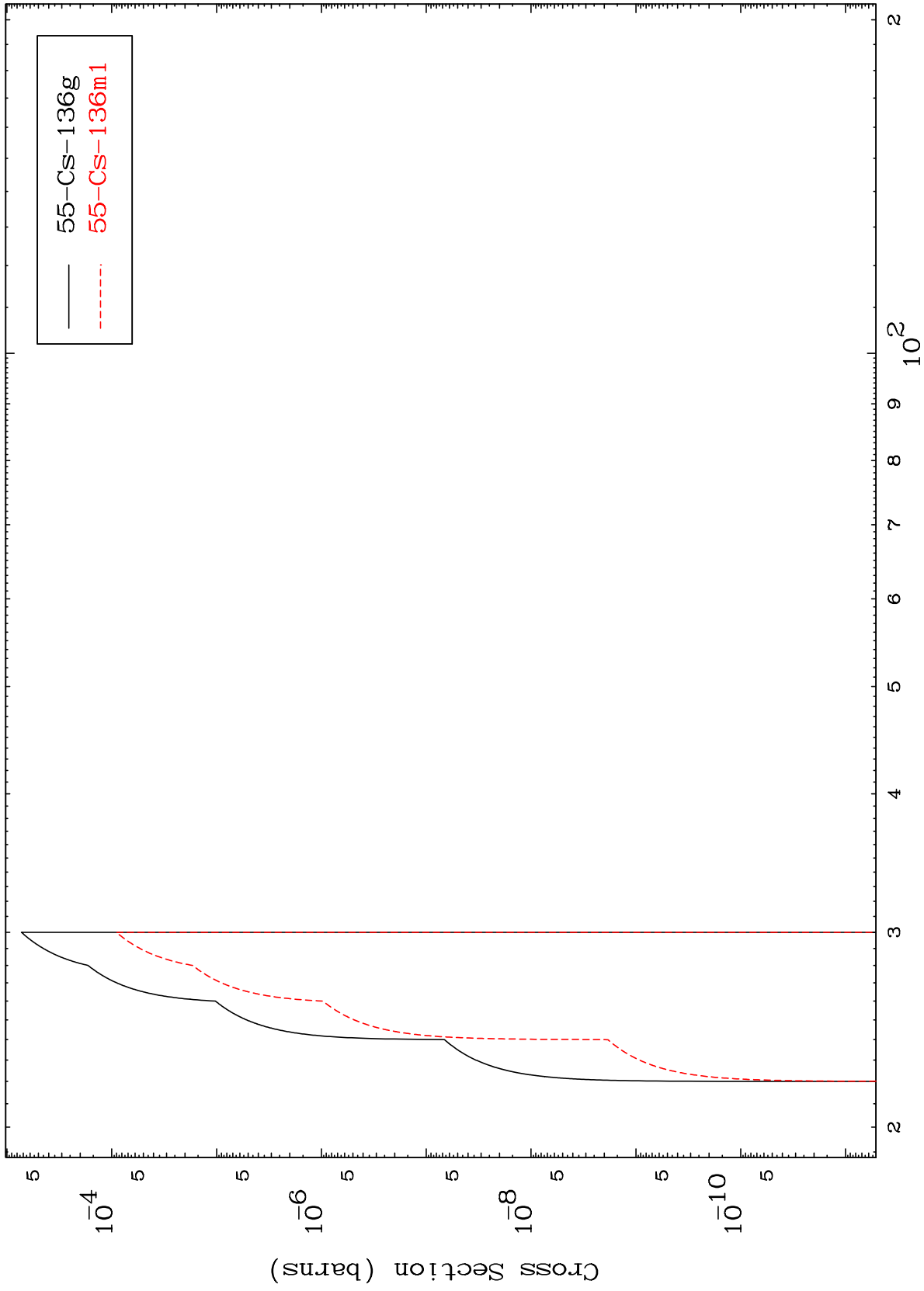
$^{54}\text{Xe-135}$

MAT 5458

(α, n') d

54-Xe-135

Radionuclide Production Cross Section



15

Incident Energy (MeV)

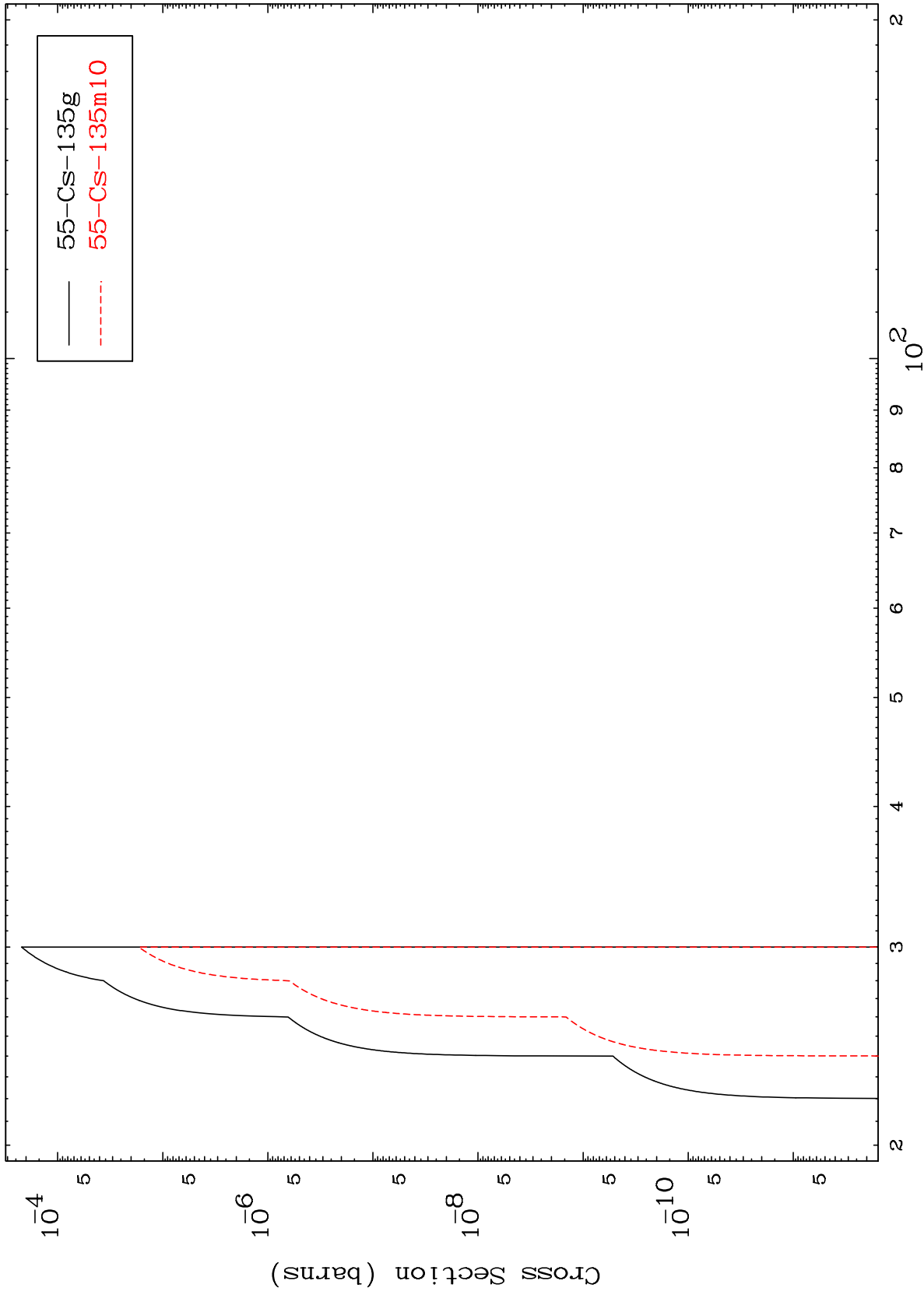
54-Xe-135

MAT 5458

(α, n') t

54-Xe-135

Radionuclide Production Cross Section



16

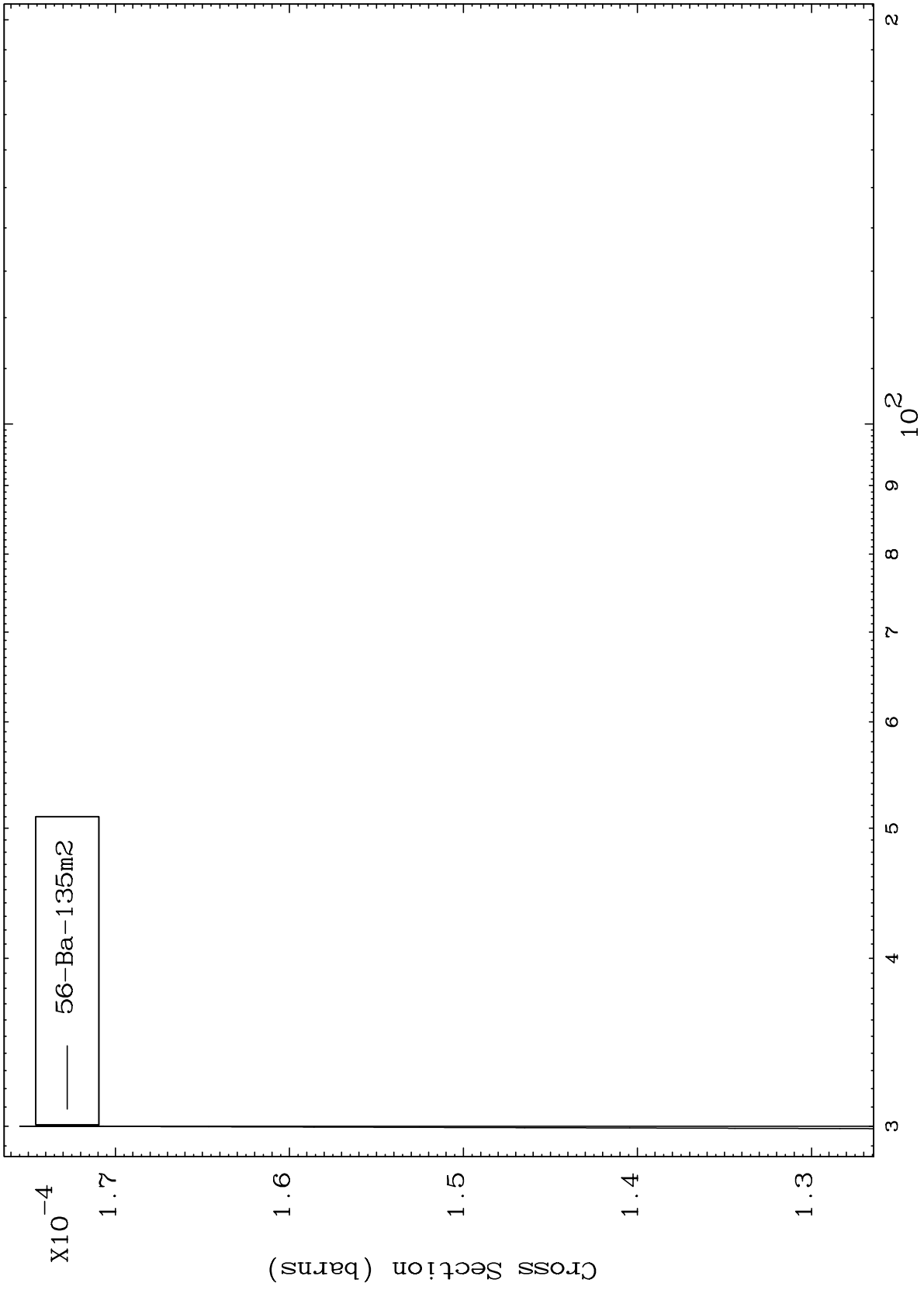
Incident Energy (MeV)

54-Xe-135

MAT 5458

54-Xe-135

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



17

Incident Energy (MeV)

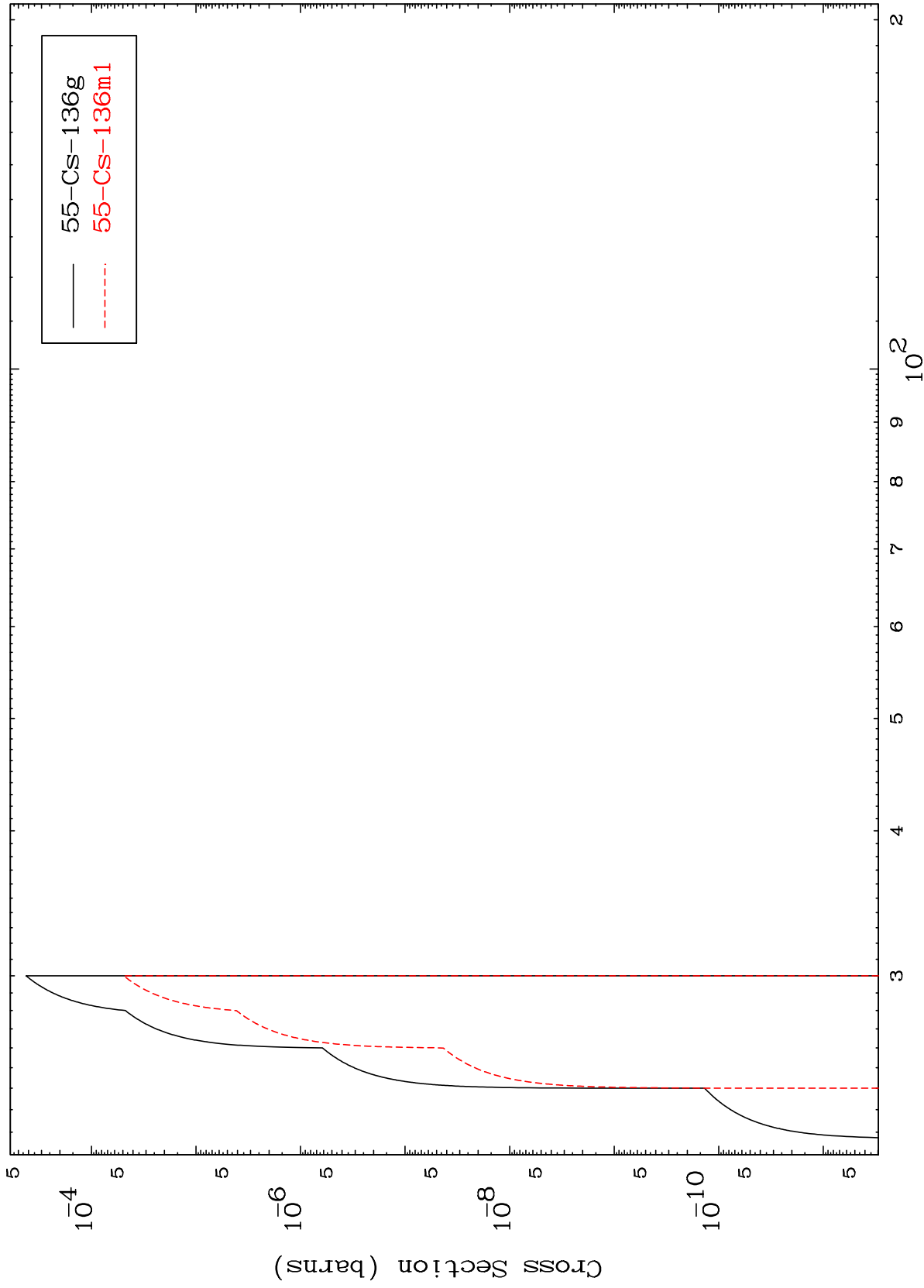
54-Xe-135

MAT 5458

($\alpha, 2n$) p

54-Xe-135

Radionuclide Production Cross Section



18

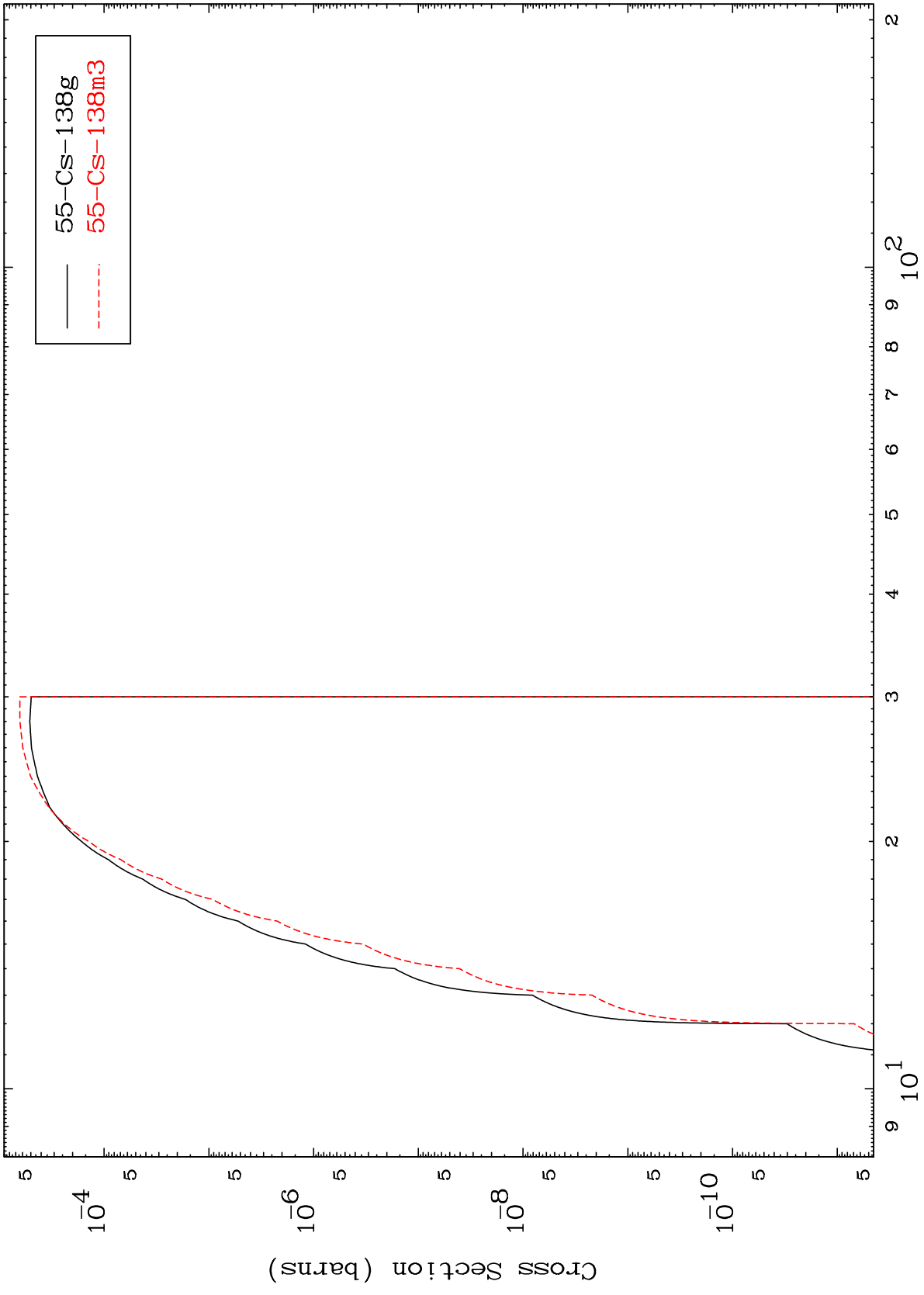
Incident Energy (MeV)

54-Xe-135

MAT 5458

54-Xe-135

(α, p)
Radionuclide Production Cross Section



19

Incident Energy (MeV)

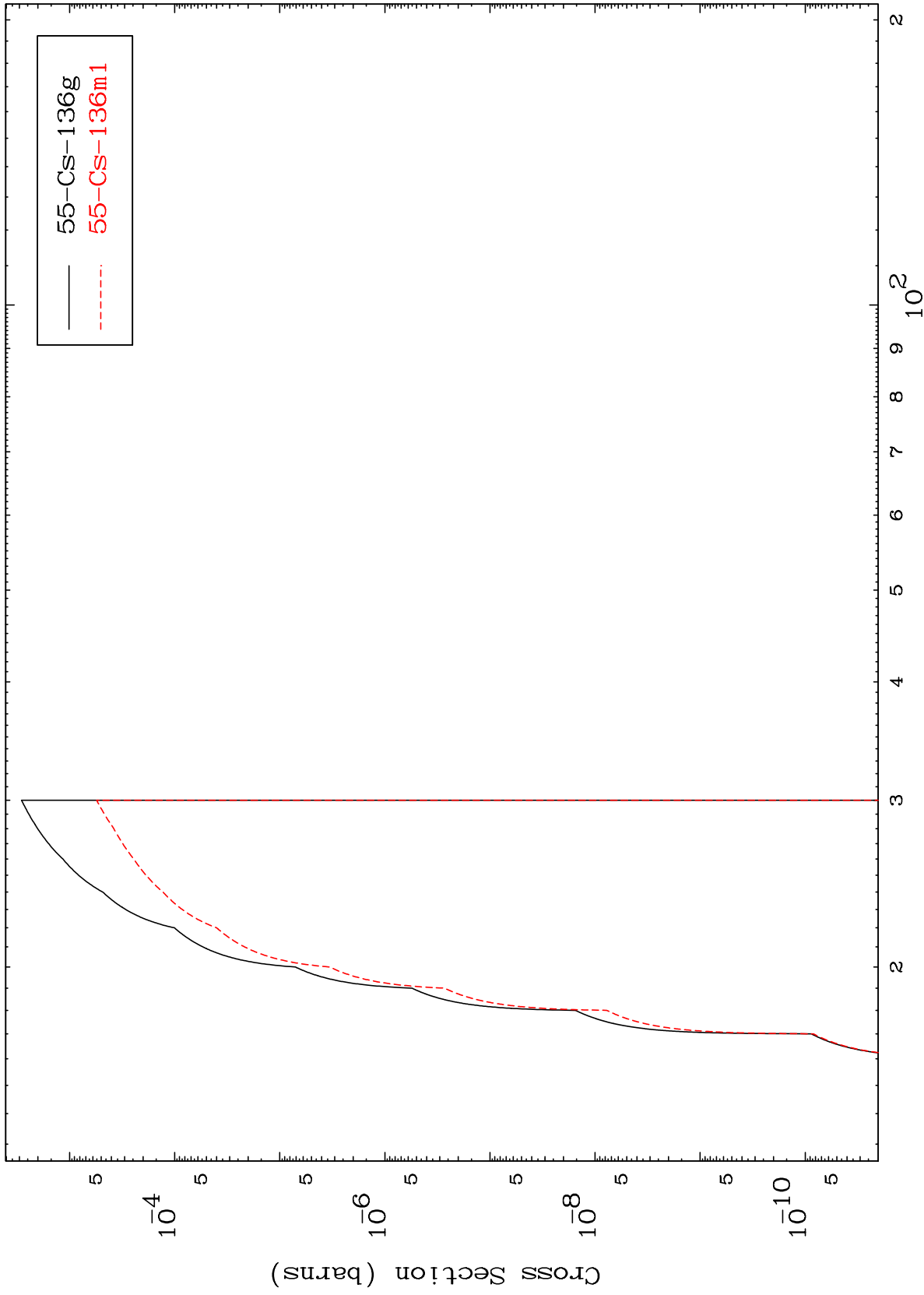
54-Xe-135

MAT 5458

(α, t)

54-Xe-135

Radionuclide Production Cross Section



20

Incident Energy (MeV)

10^2

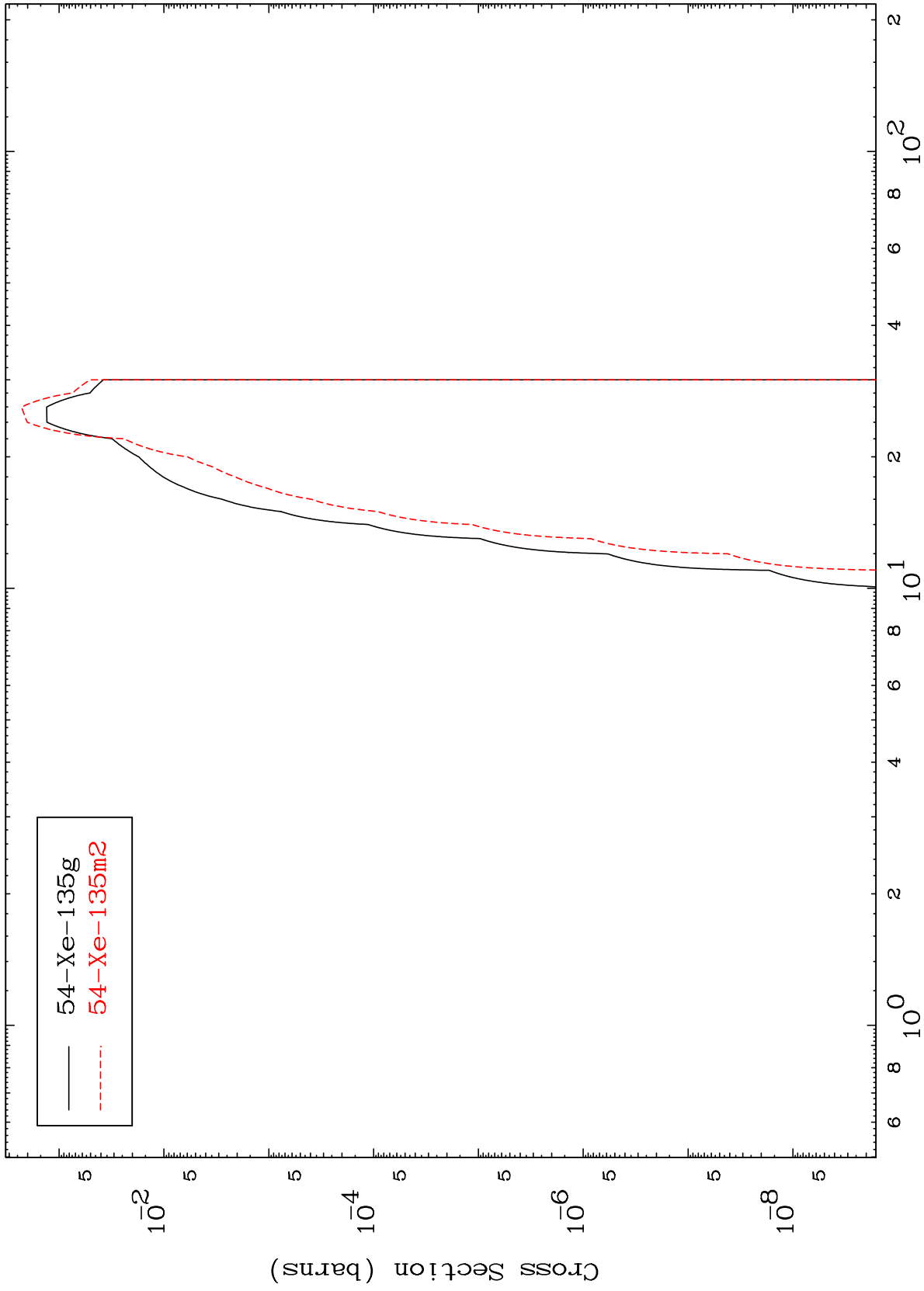
54-Xe-135

MAT 5458

(α, α)

54-Xe-135

Radionuclide Production Cross Section



21

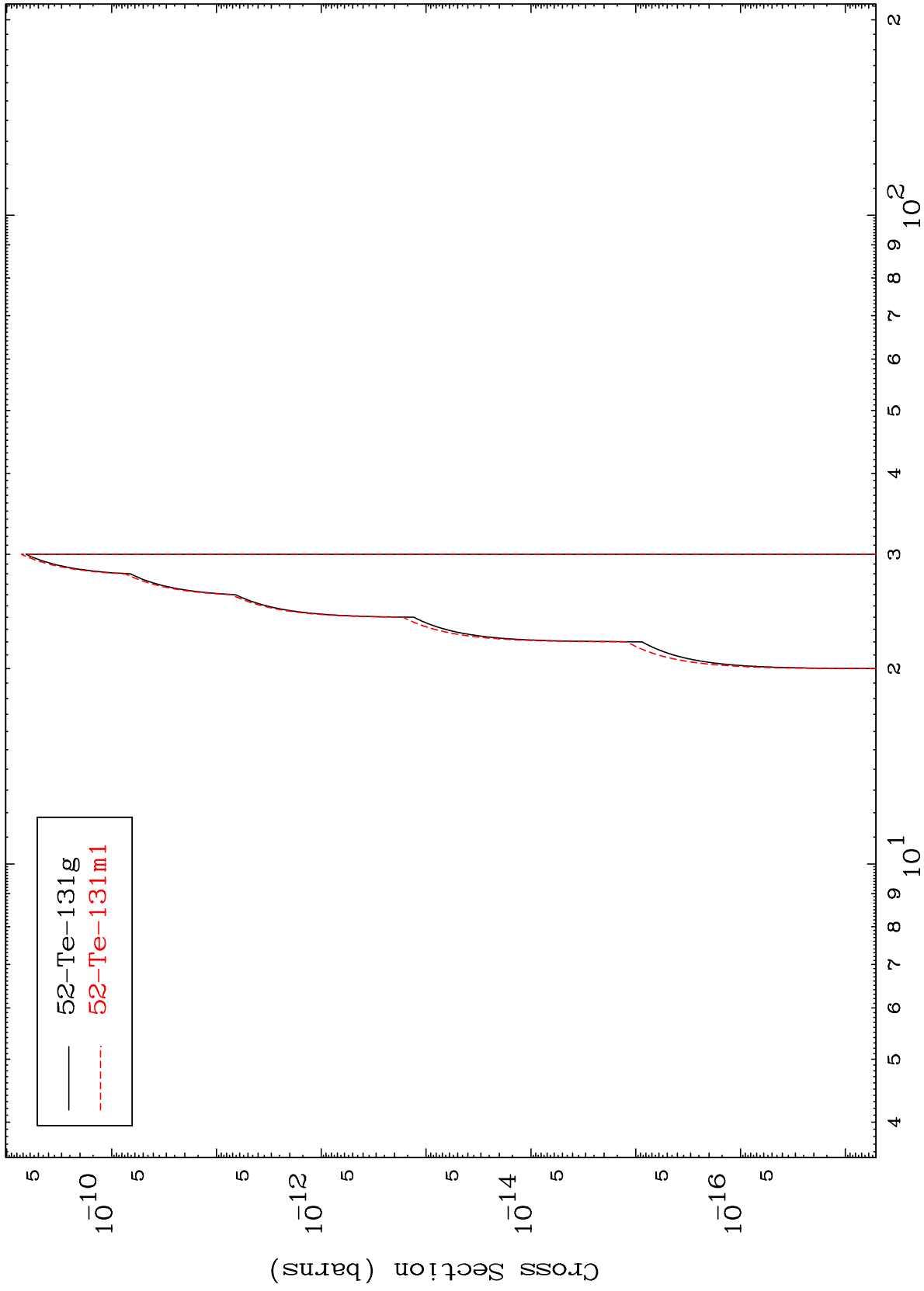
Incident Energy (MeV)

54-Xe-135

MAT 5458

54-Xe-135

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



22

Incident Energy (MeV)

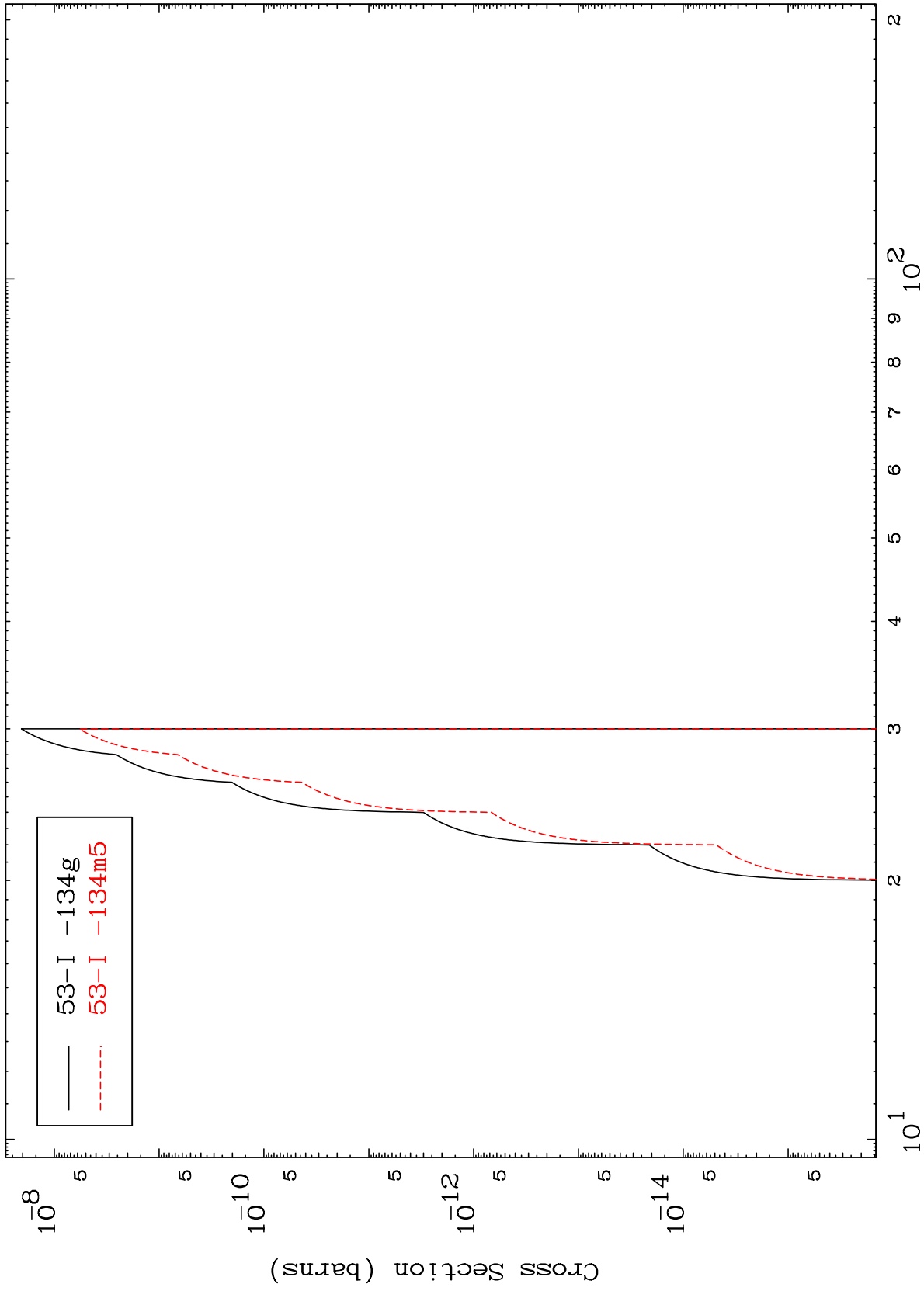
54-Xe-135

MAT 5458

(α, p) α

54-Xe-135

Radionuclide Production Cross Section



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

23

54-Xe-135