

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

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

Tele: 925-443-1911

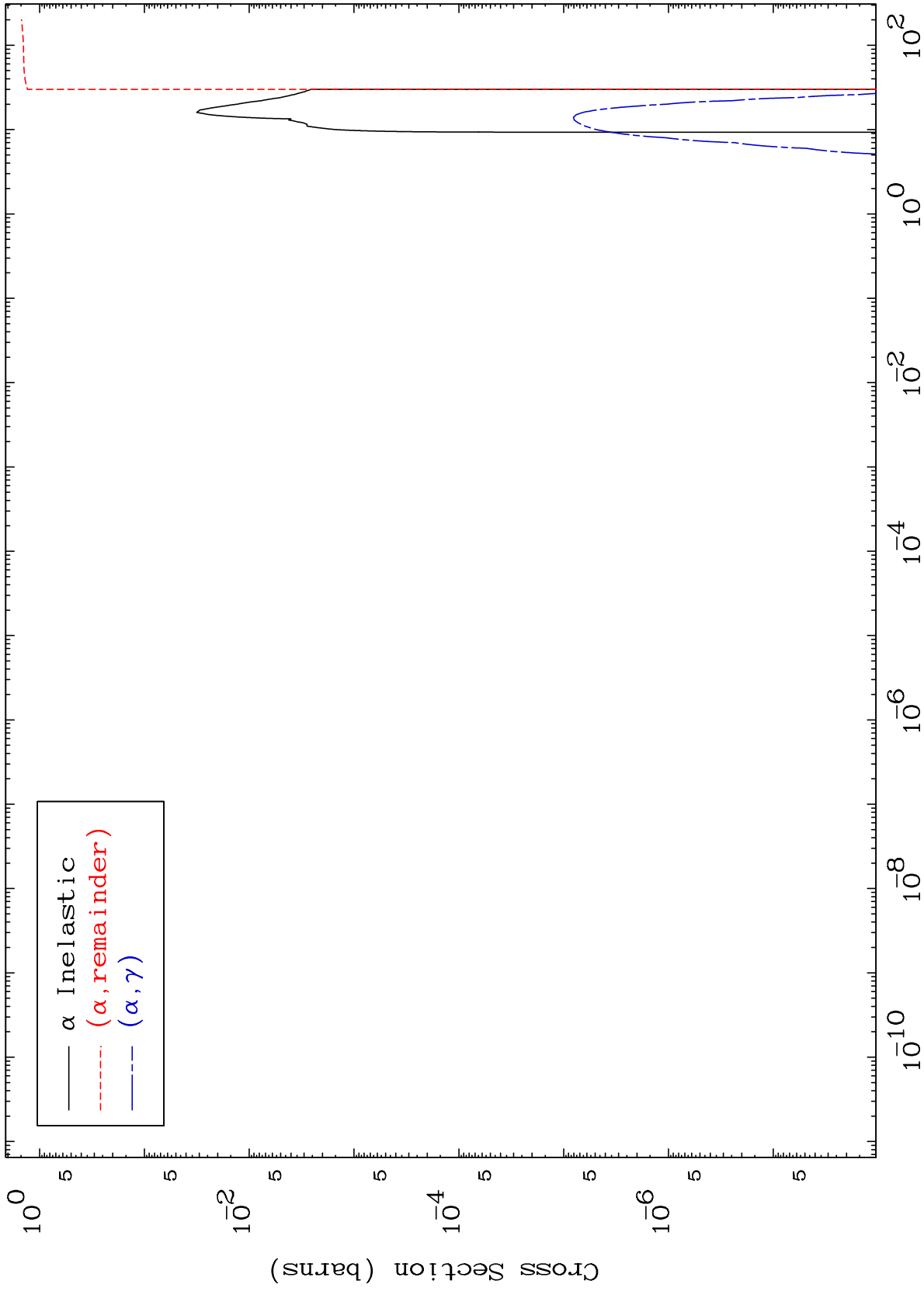
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2619

0 Kelvin α Major
Cross Sections

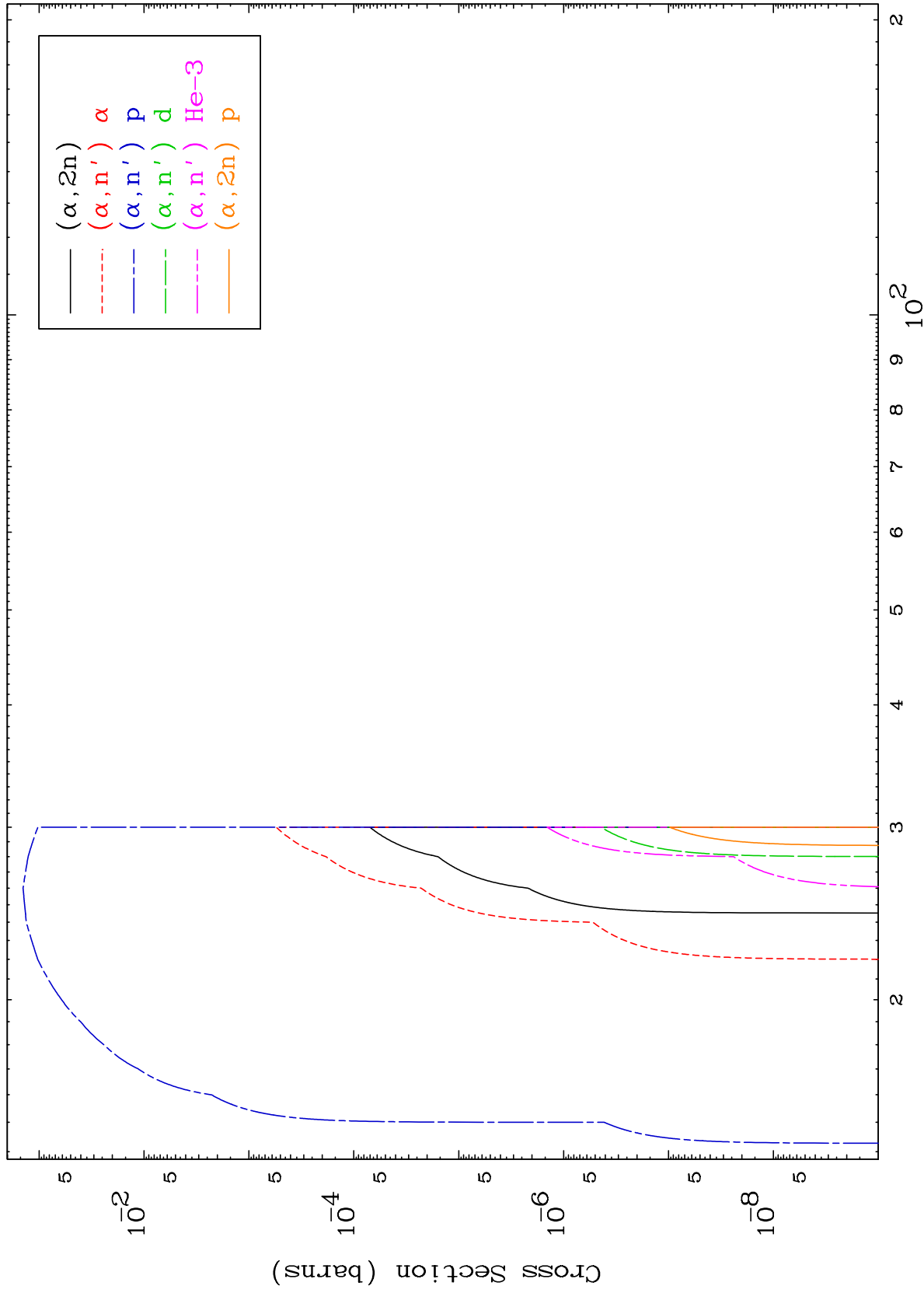
$^{26}\text{Fe-52}$



MAT 2619

α Neutron Production
0 Kelvin Cross Sections

²⁶Fe-52



2

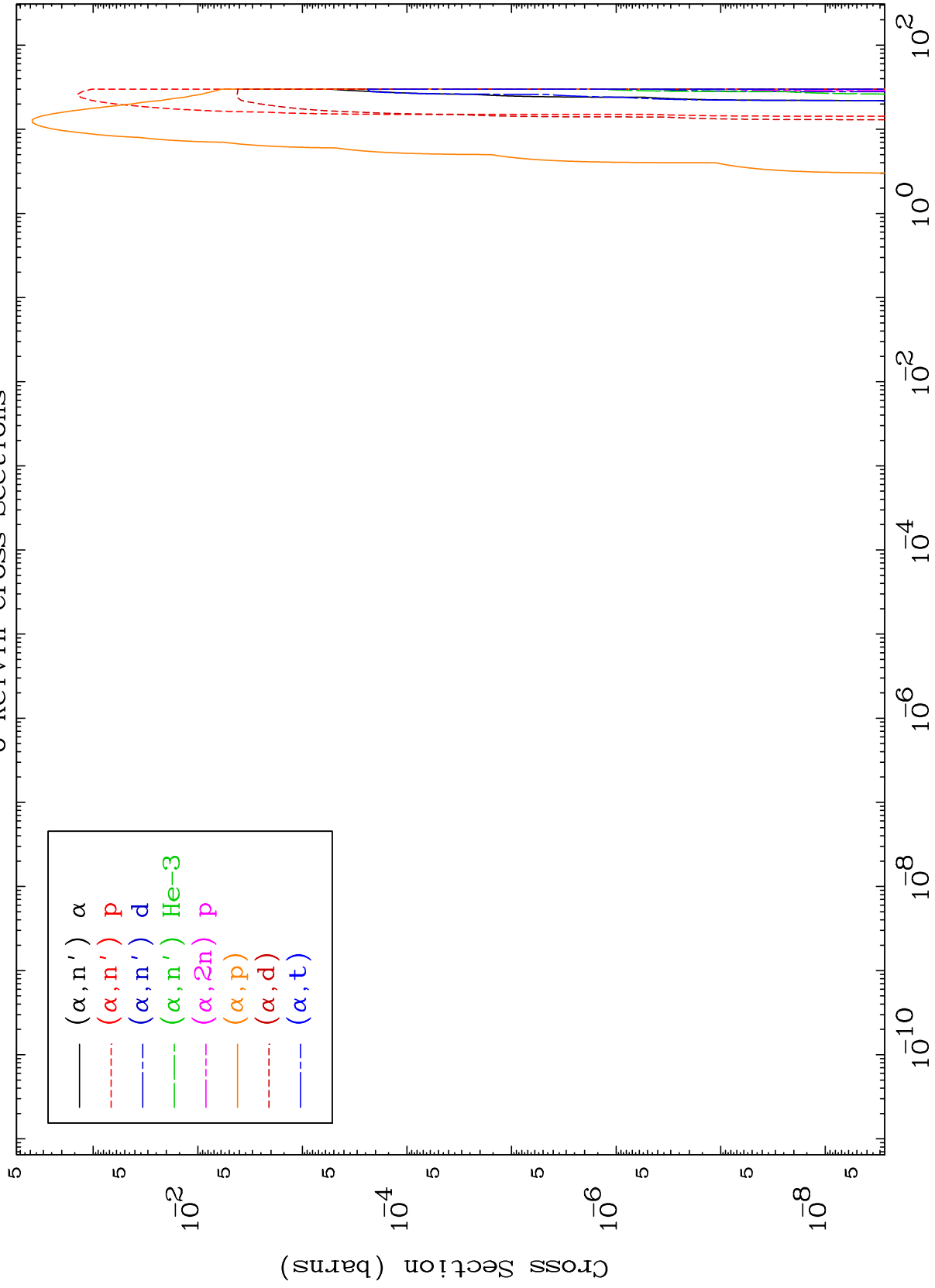
Incident Energy (MeV)

²⁶Fe-52

MAT 2619

α Charged Particle
0 Kelvin Cross Sections

26-Fe-52



3

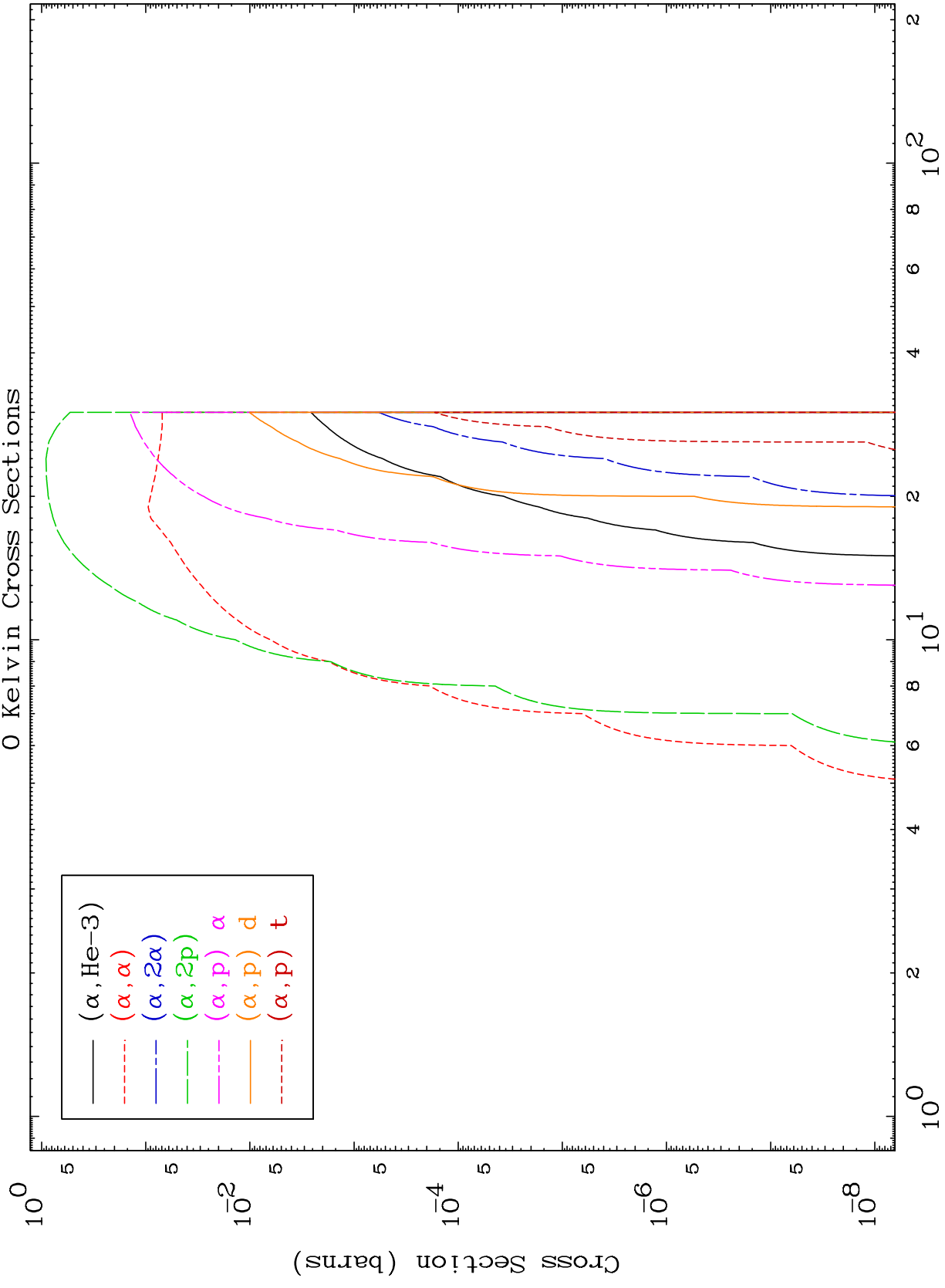
Incident Energy (MeV)

26-Fe-52

MAT 2619

α Charged Particle
0 Kelvin Cross Sections

²⁶Fe-52



4

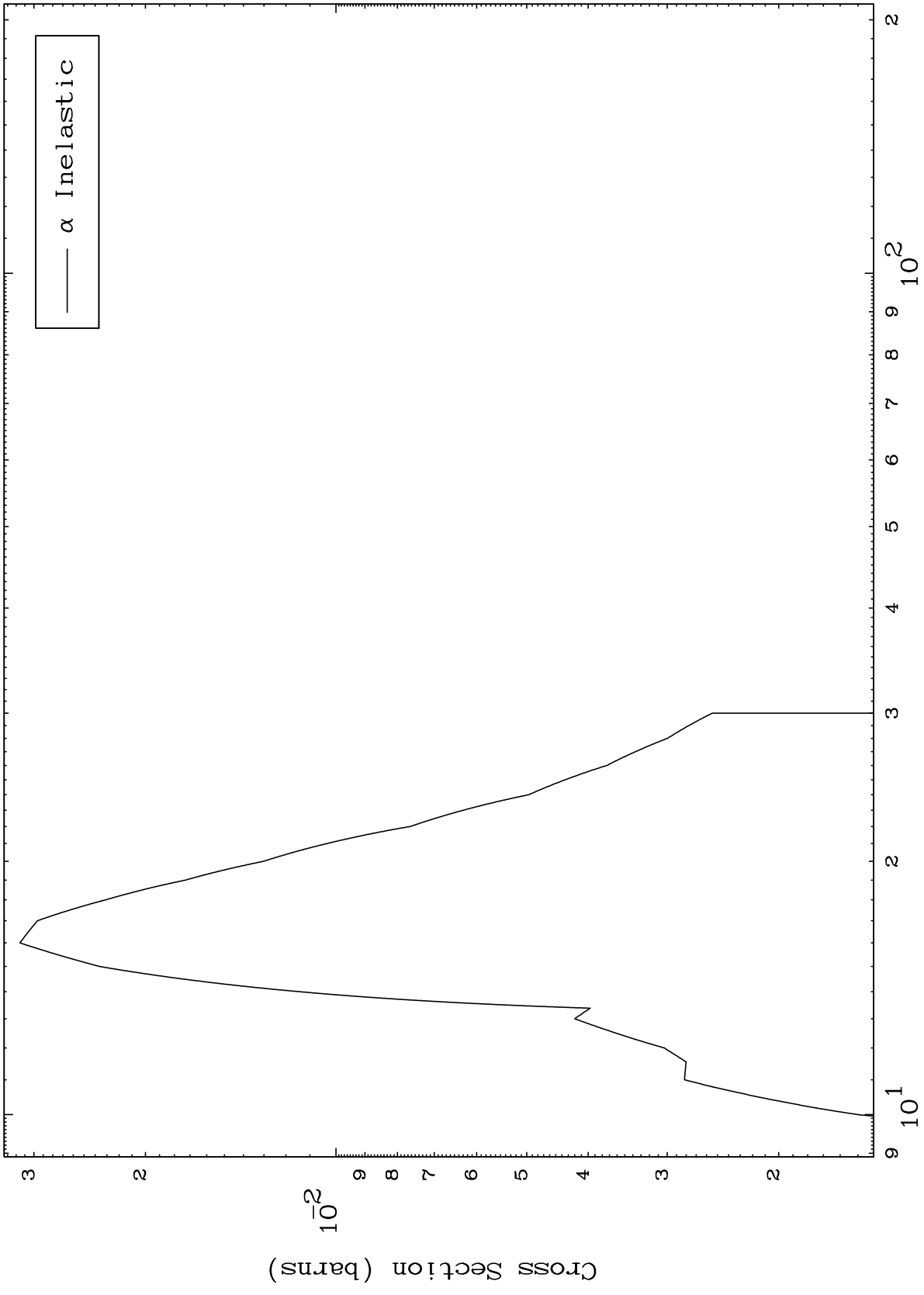
Incident Energy (MeV)

²⁶Fe-52

MAT 2619

(α, n') Level
0 Kelvin Cross Sections

26-Fe-52



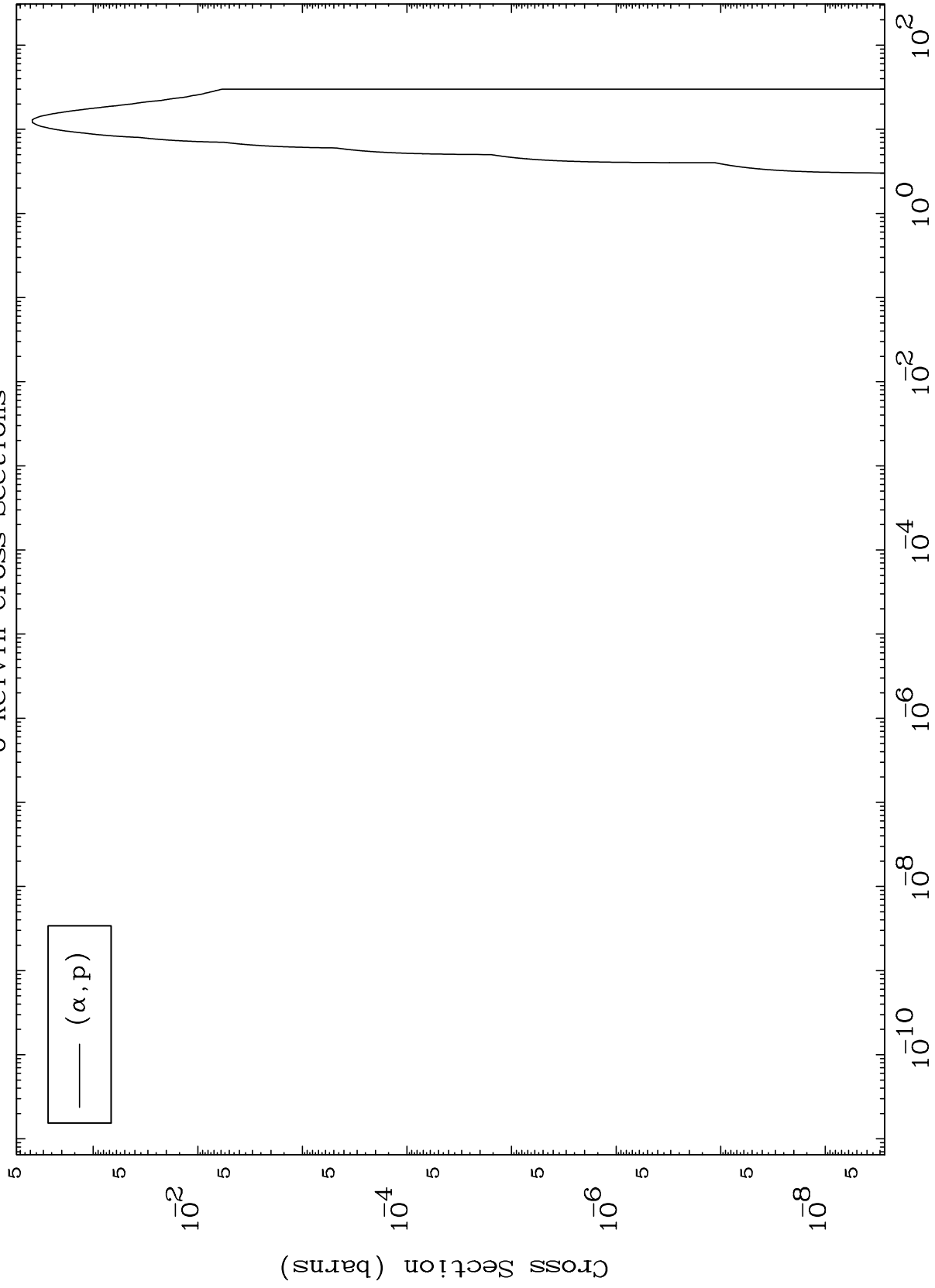
26-Fe-52

Incident Energy (MeV)

MAT 2619

(α, p) Levels
0 Kelvin Cross Sections

26-Fe-52



6

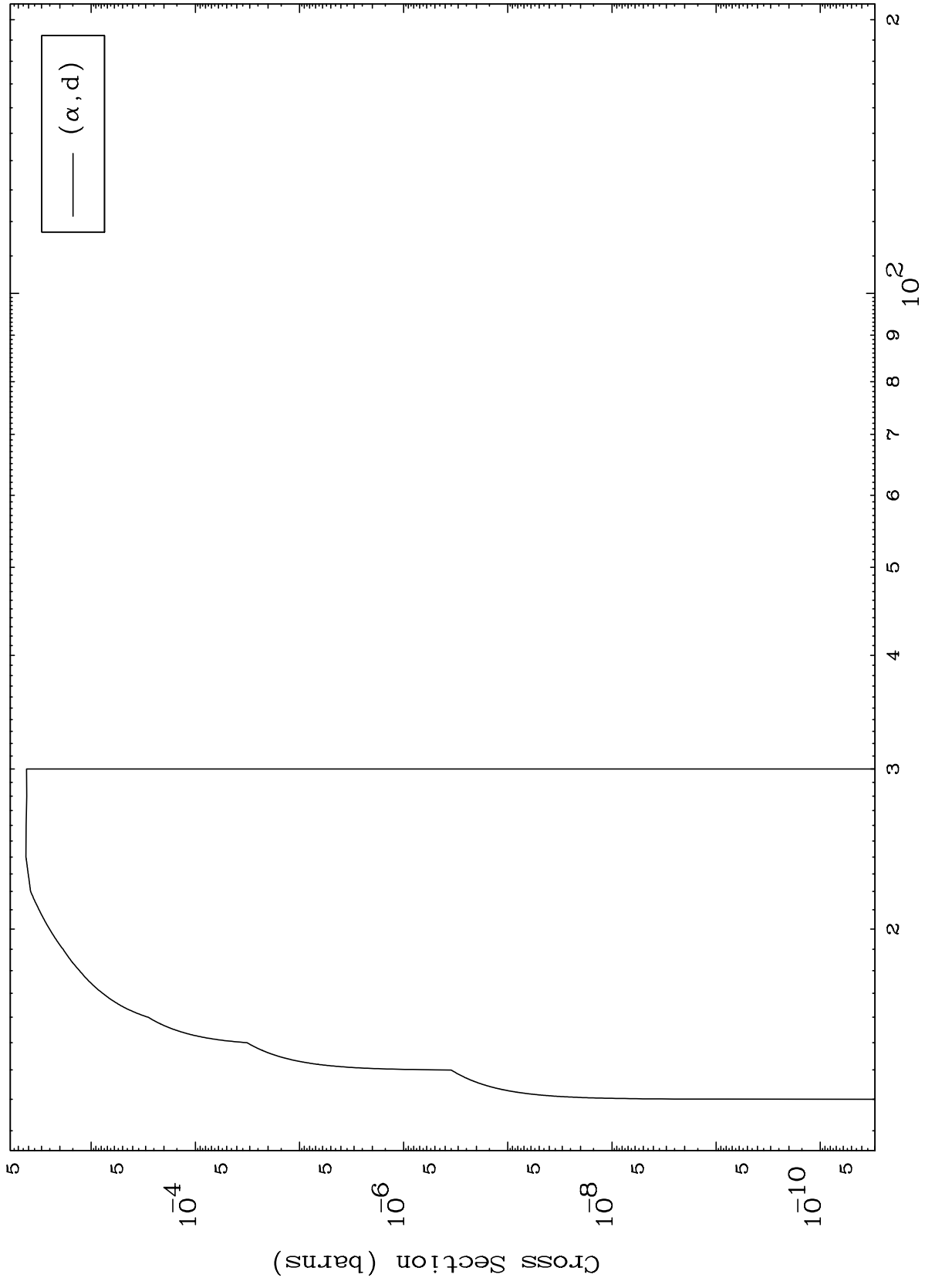
Incident Energy (MeV)

26-Fe-52

MAT 2619

(α, d) Levels
0 Kelvin Cross Sections

$^{26}\text{Fe-52}$



7

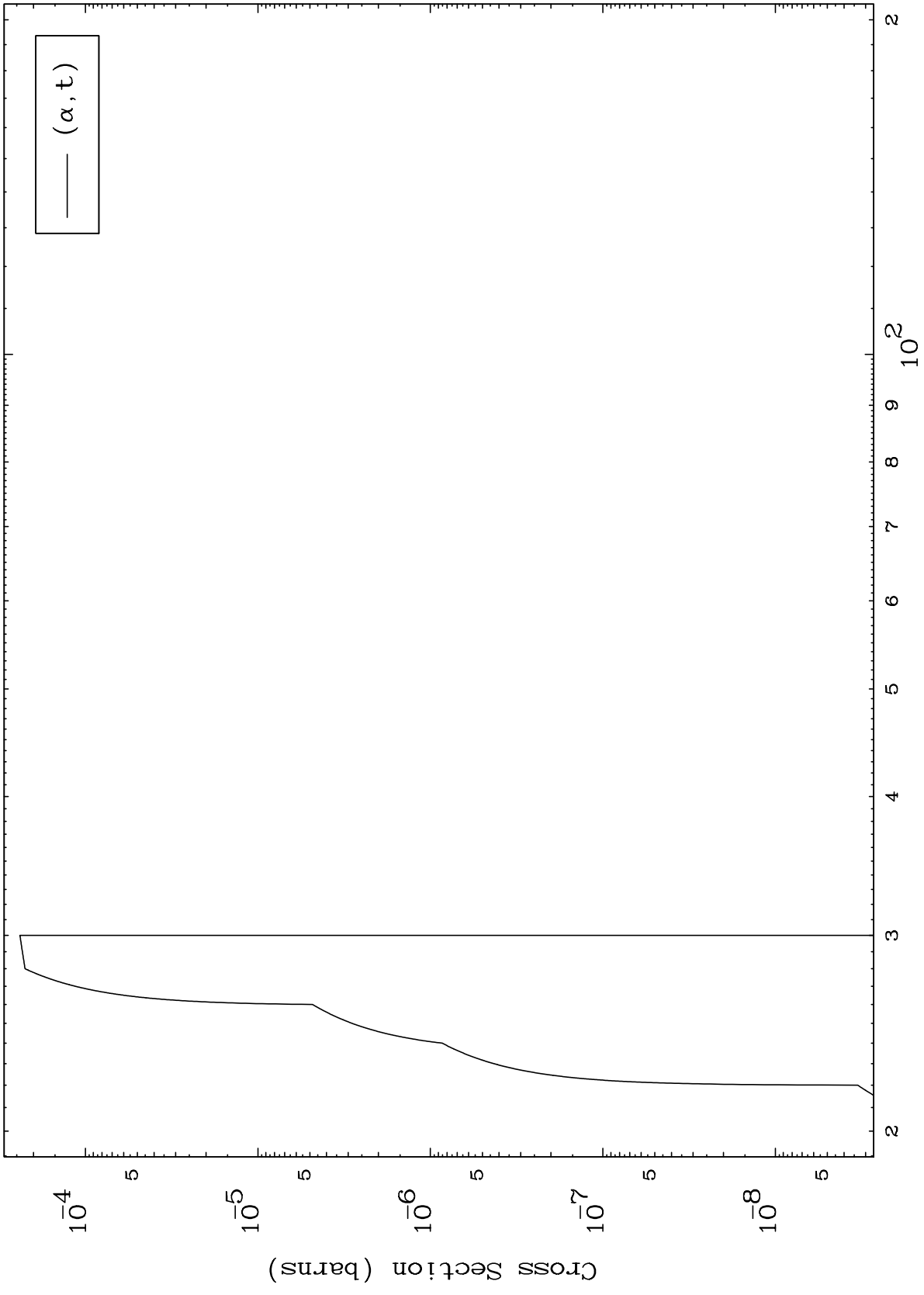
Incident Energy (MeV)

$^{26}\text{Fe-52}$

MAT 2619

(α, t) Levels
0 Kelvin Cross Sections

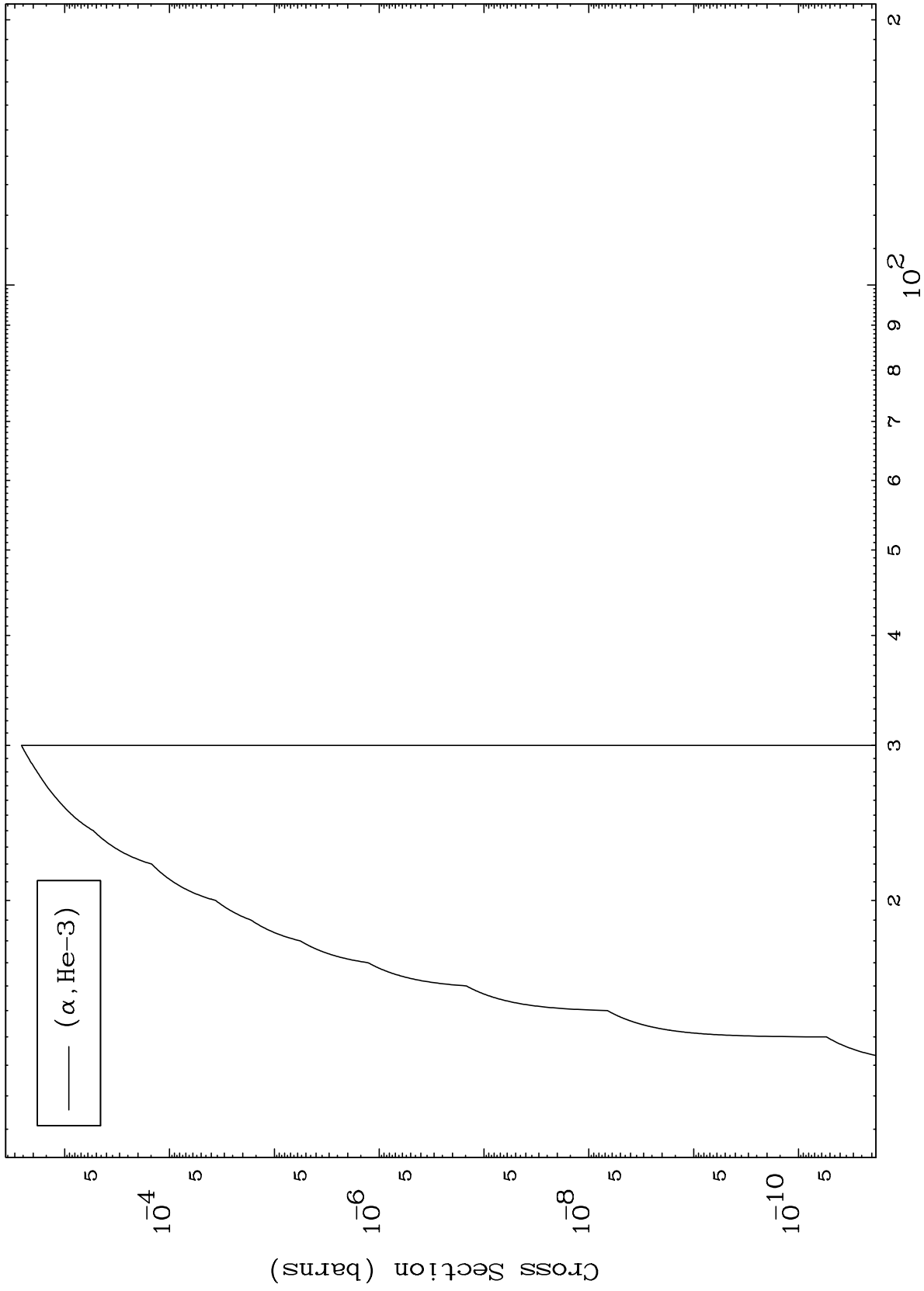
$^{26}\text{Fe-52}$



8

Incident Energy (MeV)

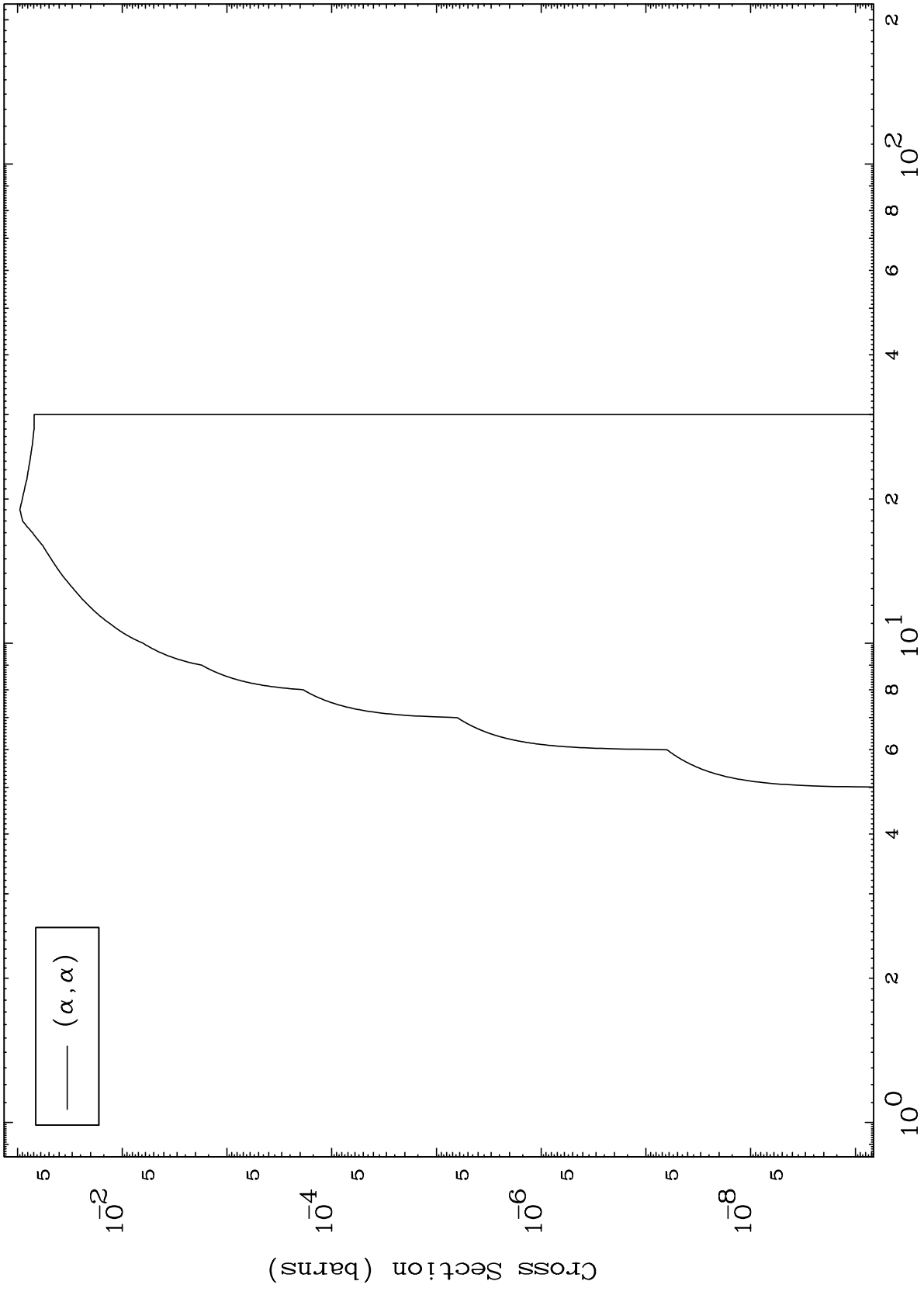
$^{26}\text{Fe-52}$



MAT 2619

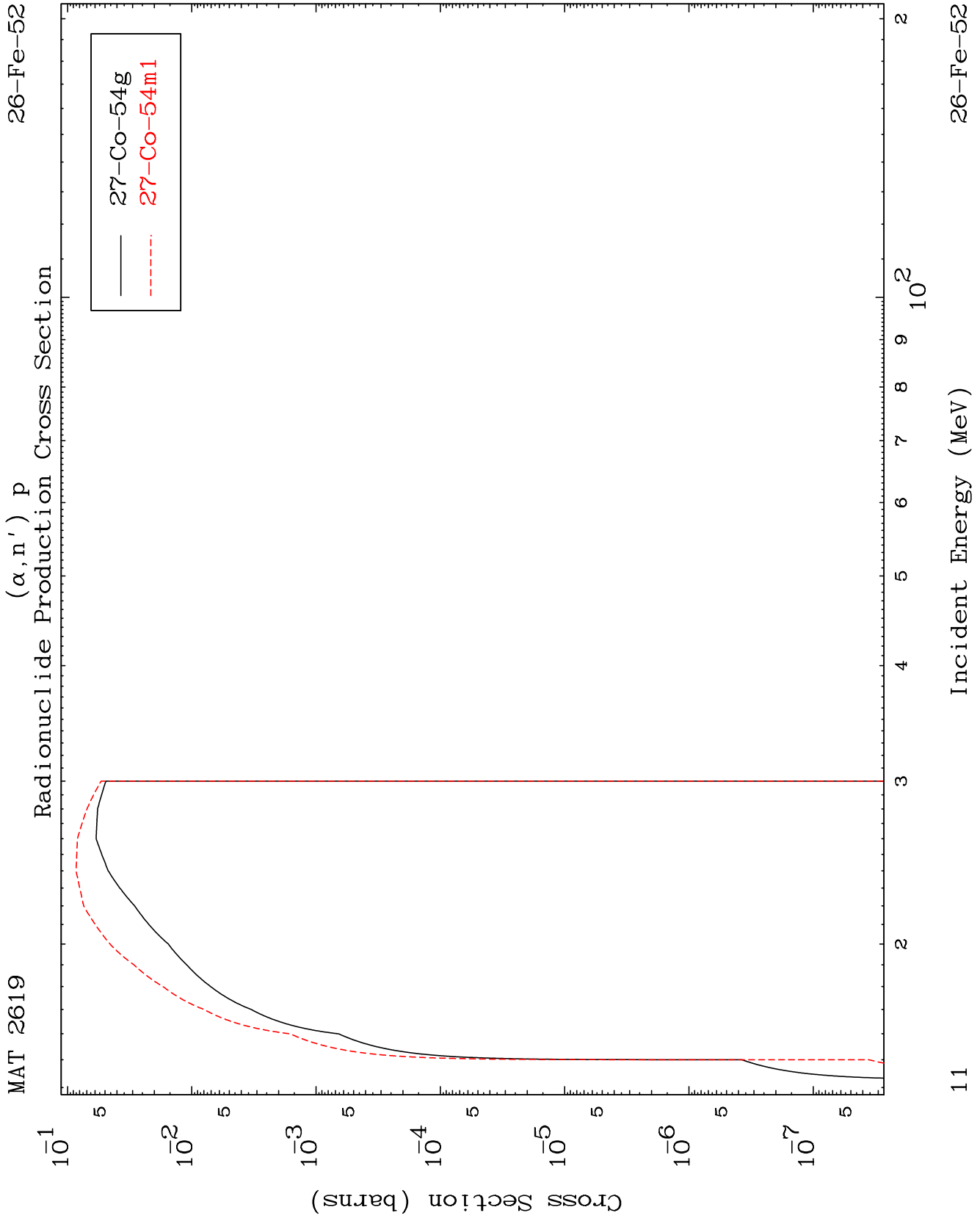
(α, α) Levels
0 Kelvin Cross Sections

$^{26}\text{Fe-52}$



Incident Energy (MeV)

$^{26}\text{Fe-52}$

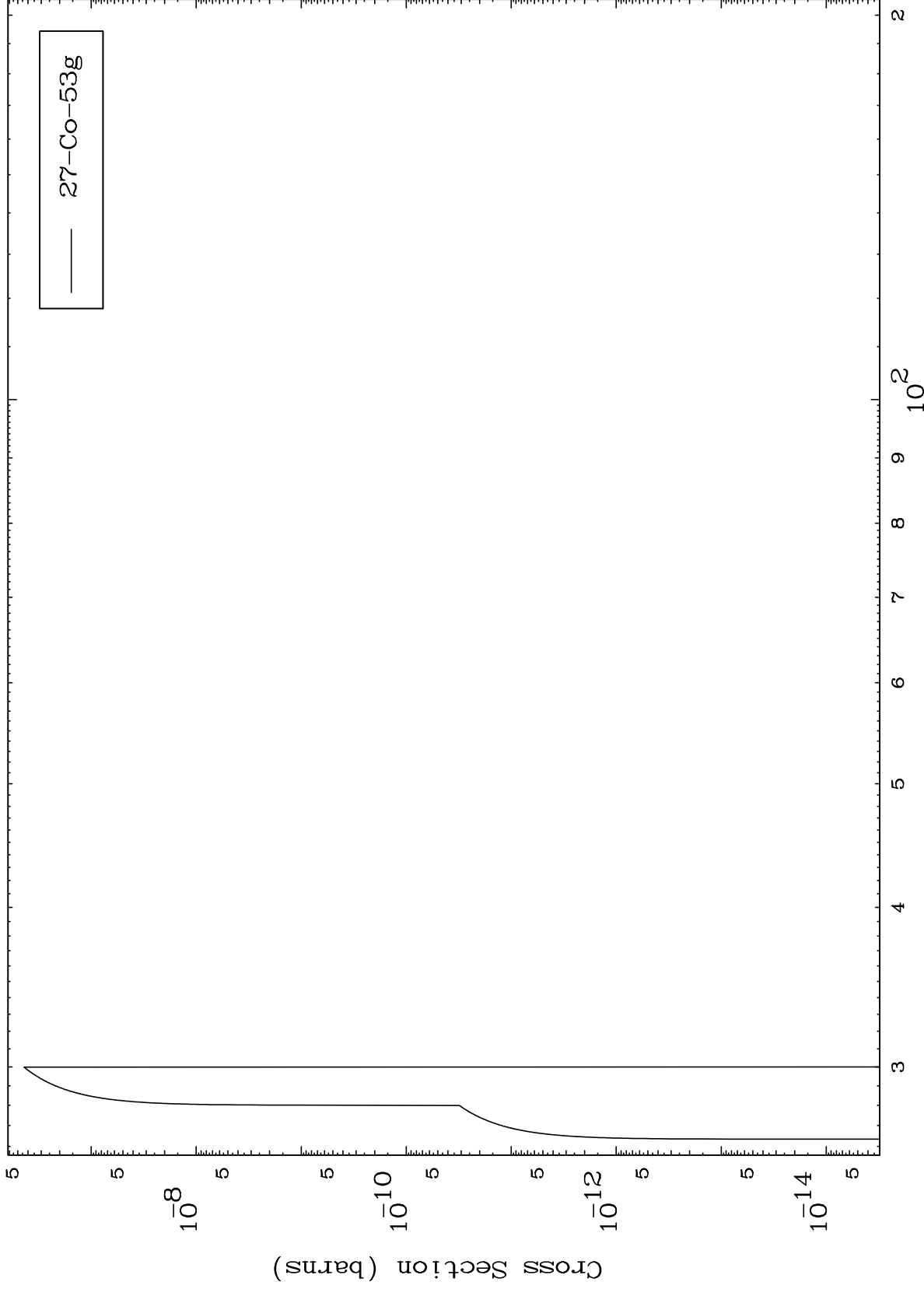


MAT 2619

(α, n') d

$^{26}\text{Fe-52}$

Radionuclide Production Cross Section



12

Incident Energy (MeV)

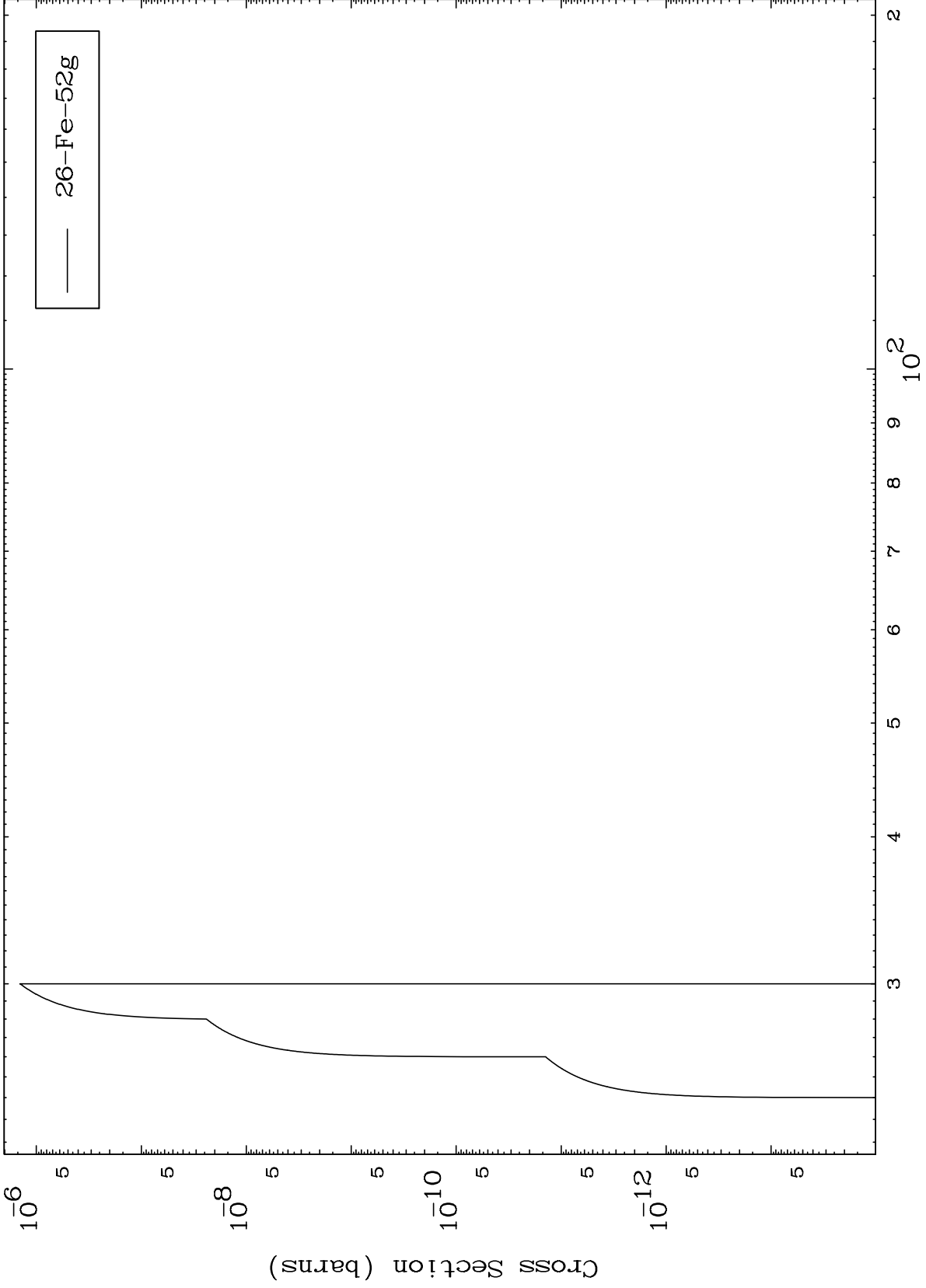
$^{26}\text{Fe-52}$

MAT 2619

(α, n') He-3

²⁶Fe-52

Radionuclide Production Cross Section



— ²⁶Fe-52g

13

Incident Energy (MeV)

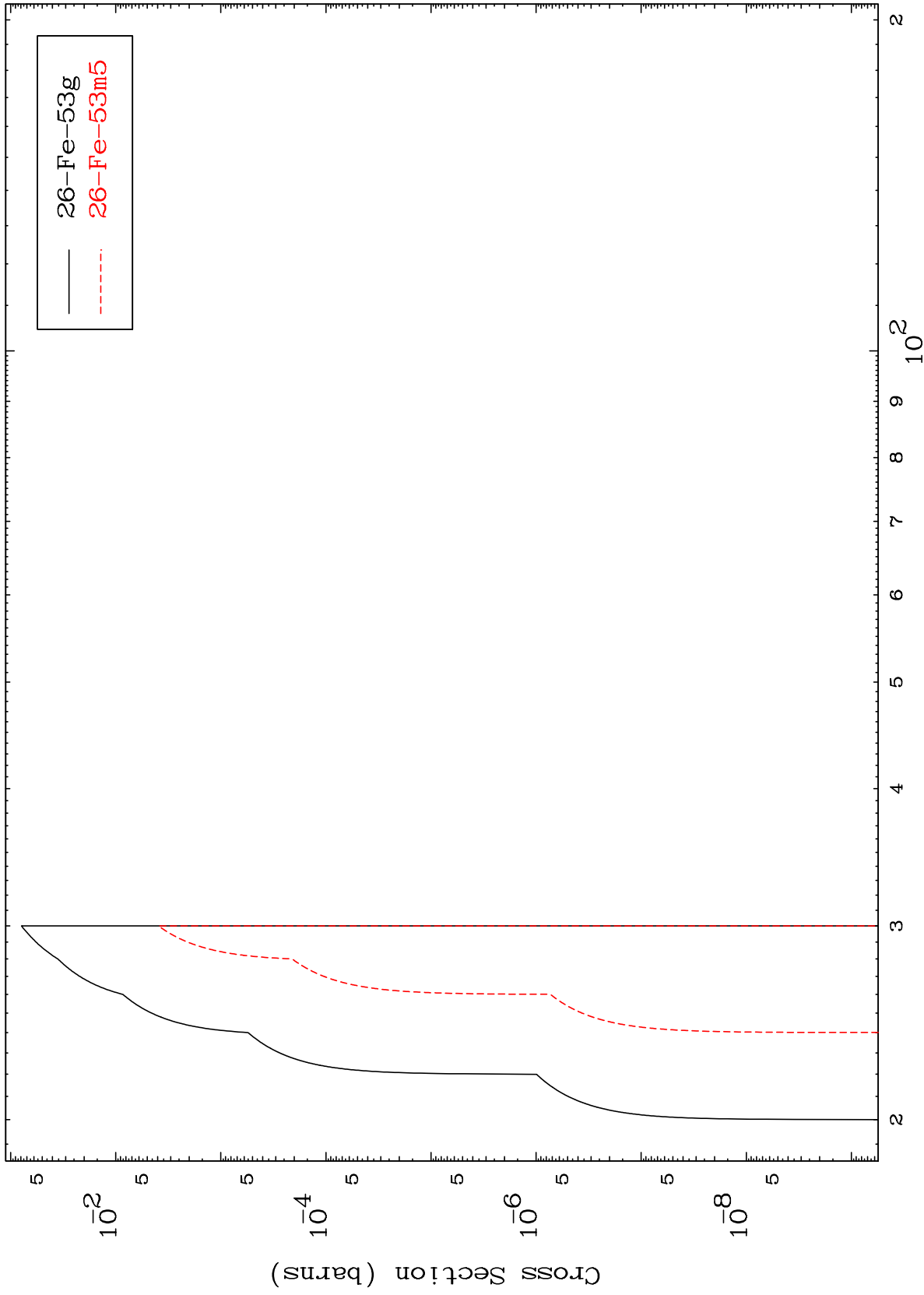
²⁶Fe-52

MAT 2619

($\alpha, 2n$) p

²⁶Fe-52

Radionuclide Production Cross Section



14

Incident Energy (MeV)

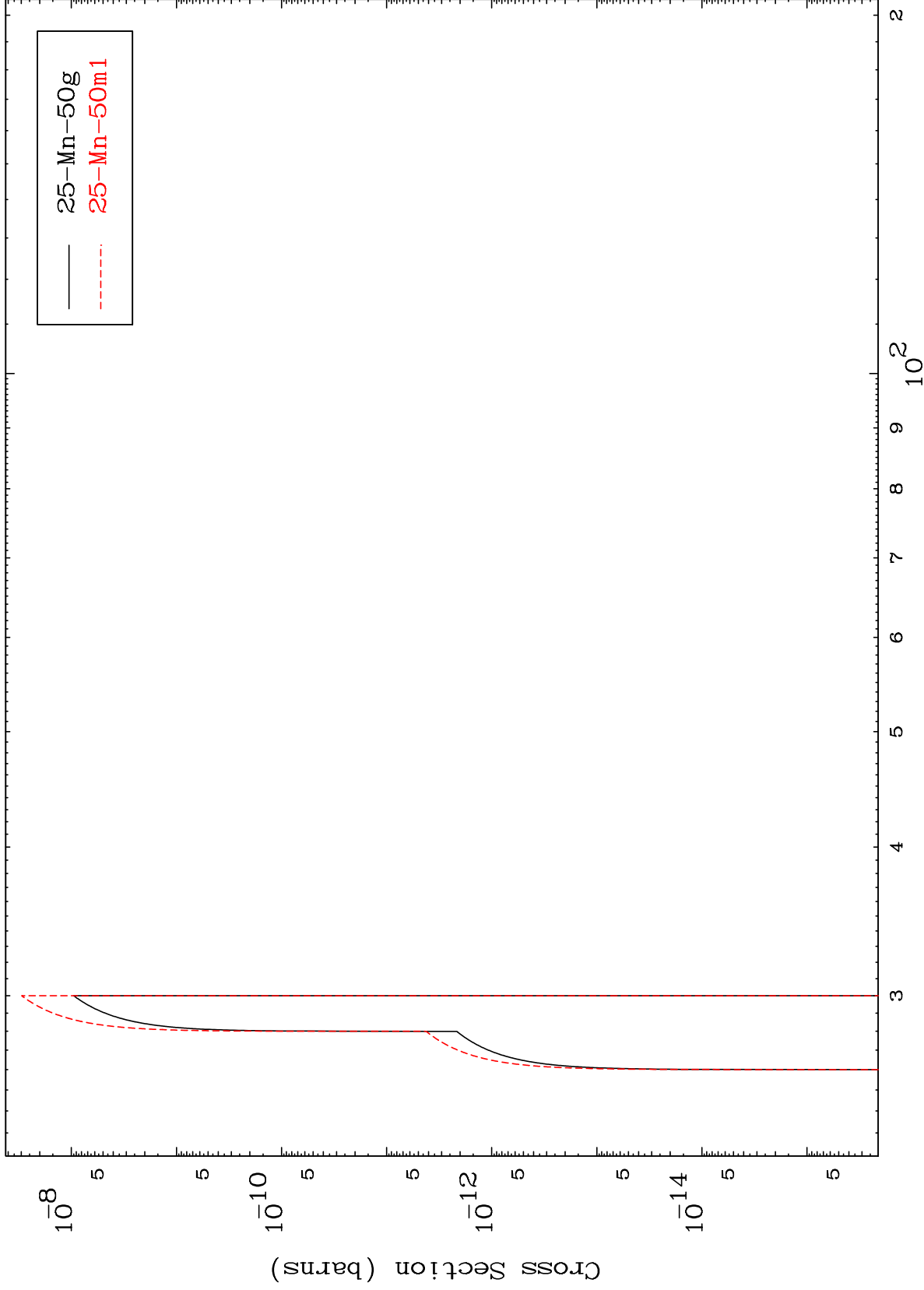
²⁶Fe-52

MAT 2619

(α, n') p α

²⁶Fe-52

Radionuclide Production Cross Section



15

Incident Energy (MeV)

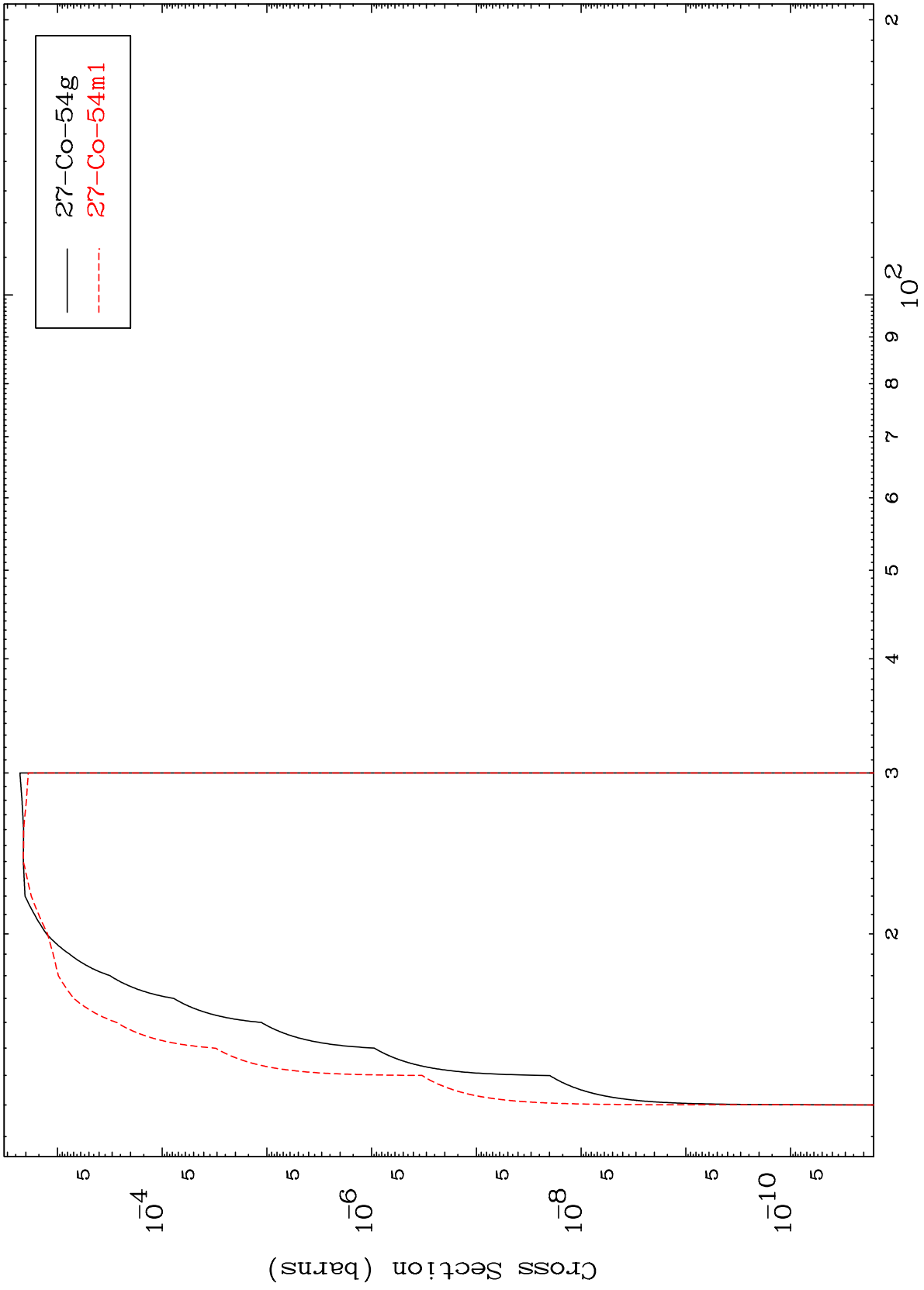
²⁶Fe-52

MAT 2619

(α, d)

$^{26}\text{Fe-52}$

Radionuclide Production Cross Section



16

Incident Energy (MeV)

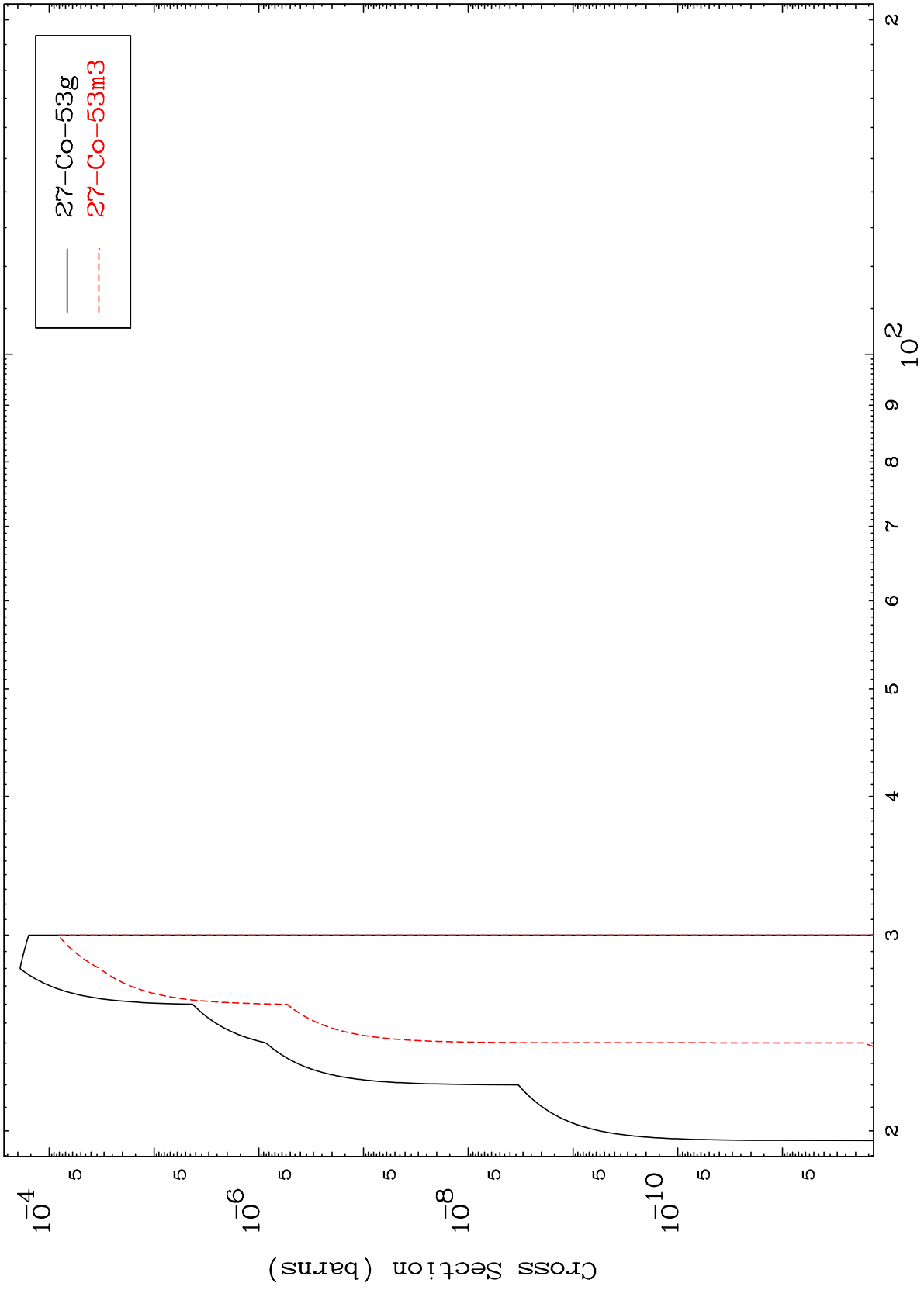
$^{26}\text{Fe-52}$

MAT 2619

(α, t)

²⁶Fe-52

Radionuclide Production Cross Section



17

Incident Energy (MeV)

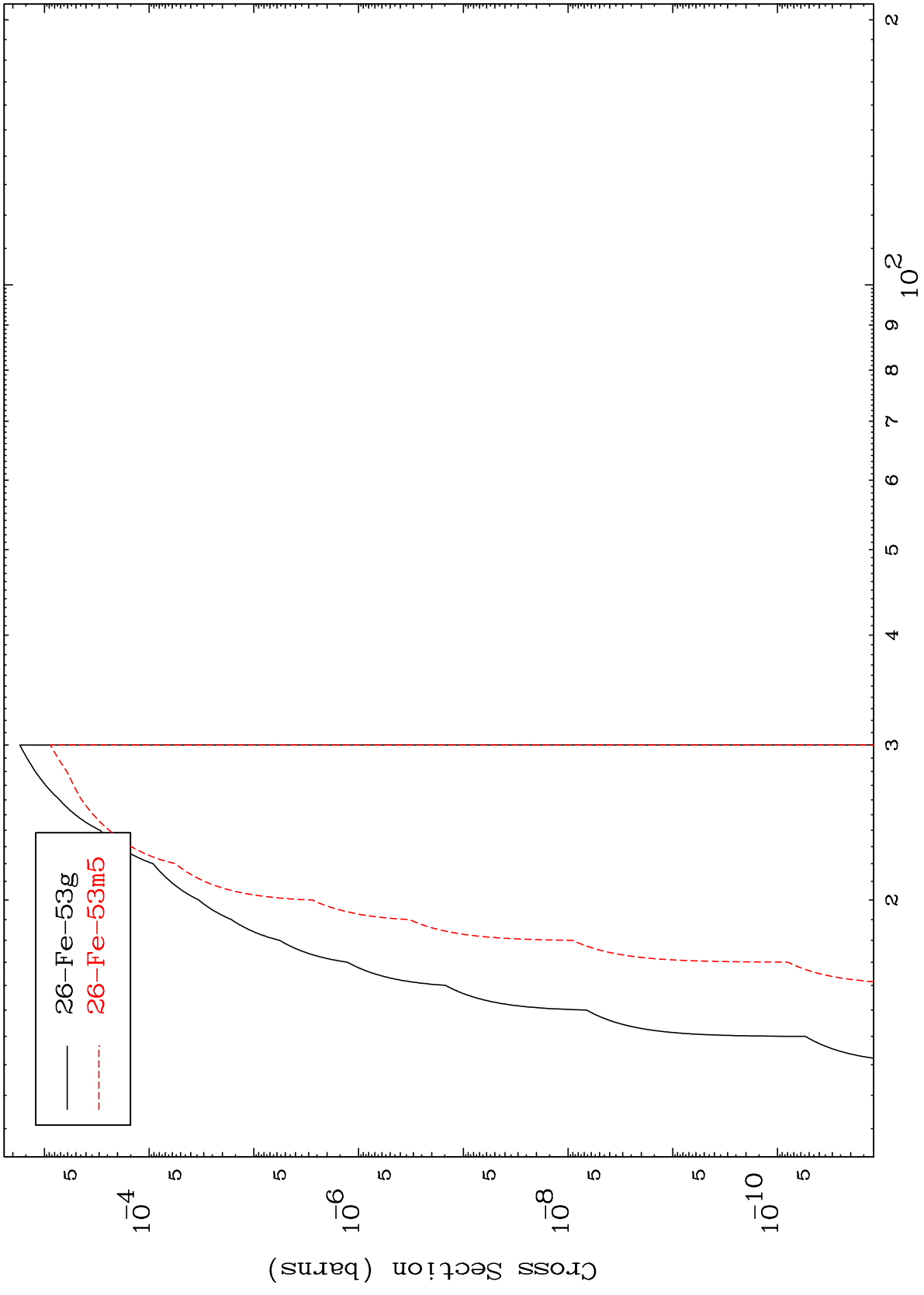
²⁶Fe-52

MAT 2619

($\alpha, \text{He-3}$)

$^{26}\text{Fe-52}$

Radionuclide Production Cross Section



18

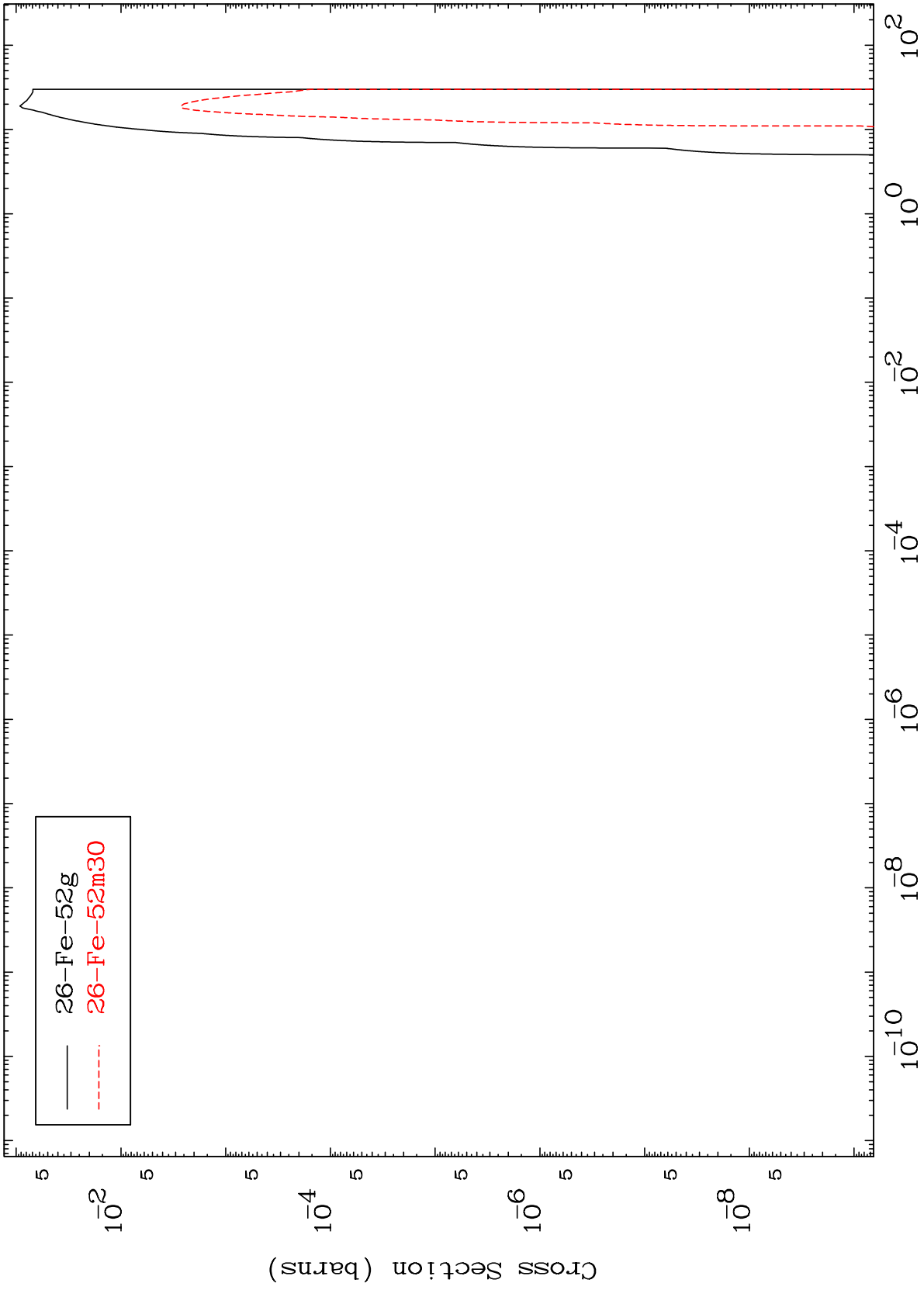
Incident Energy (MeV)

$^{26}\text{Fe-52}$

MAT 2619

(α, α)
Radionuclide Production Cross Section

²⁶Fe-52



19

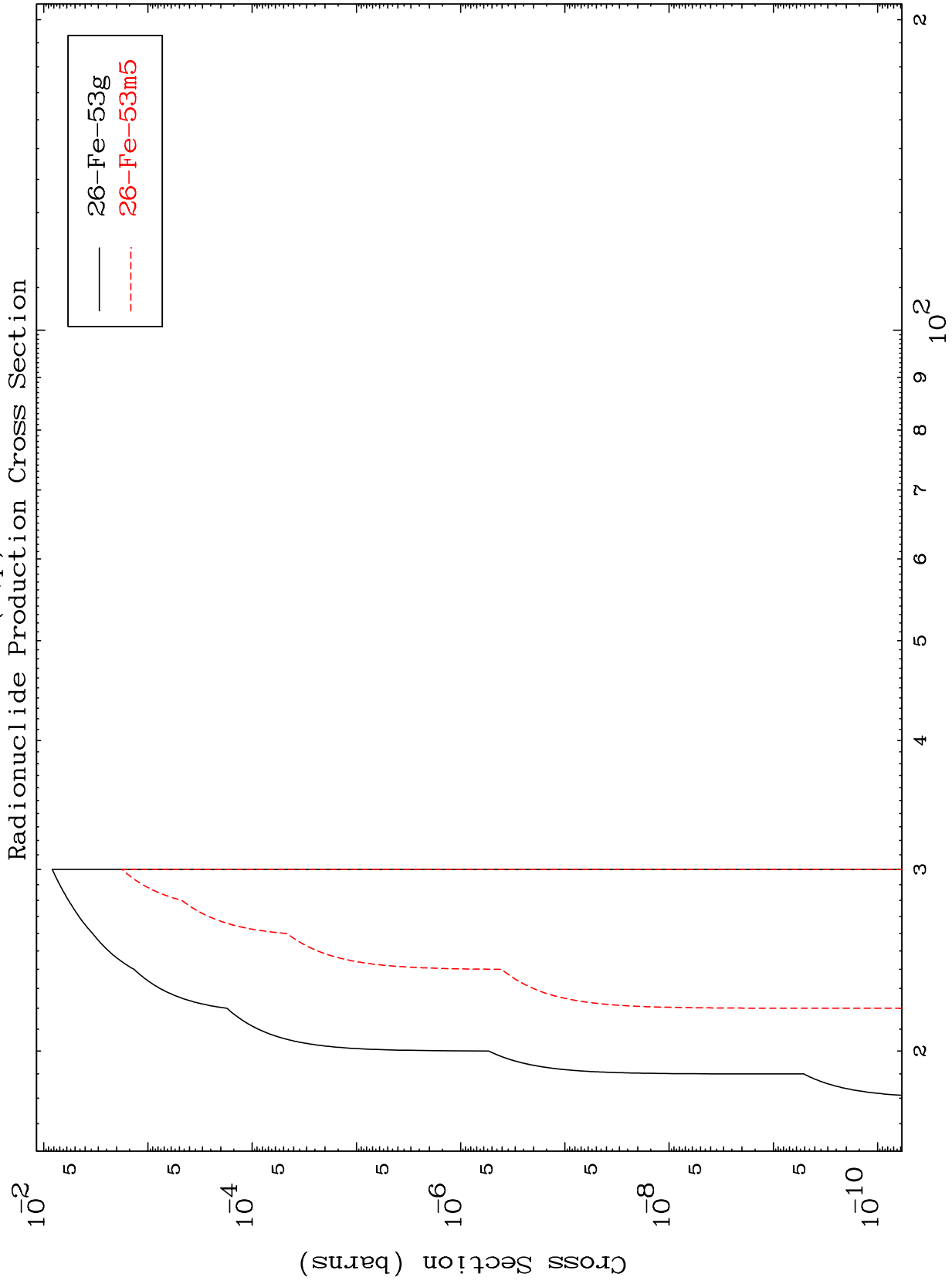
Incident Energy (MeV)

²⁶Fe-52

MAT 2619

(α, p) d

²⁶Fe-52



20

Incident Energy (MeV)

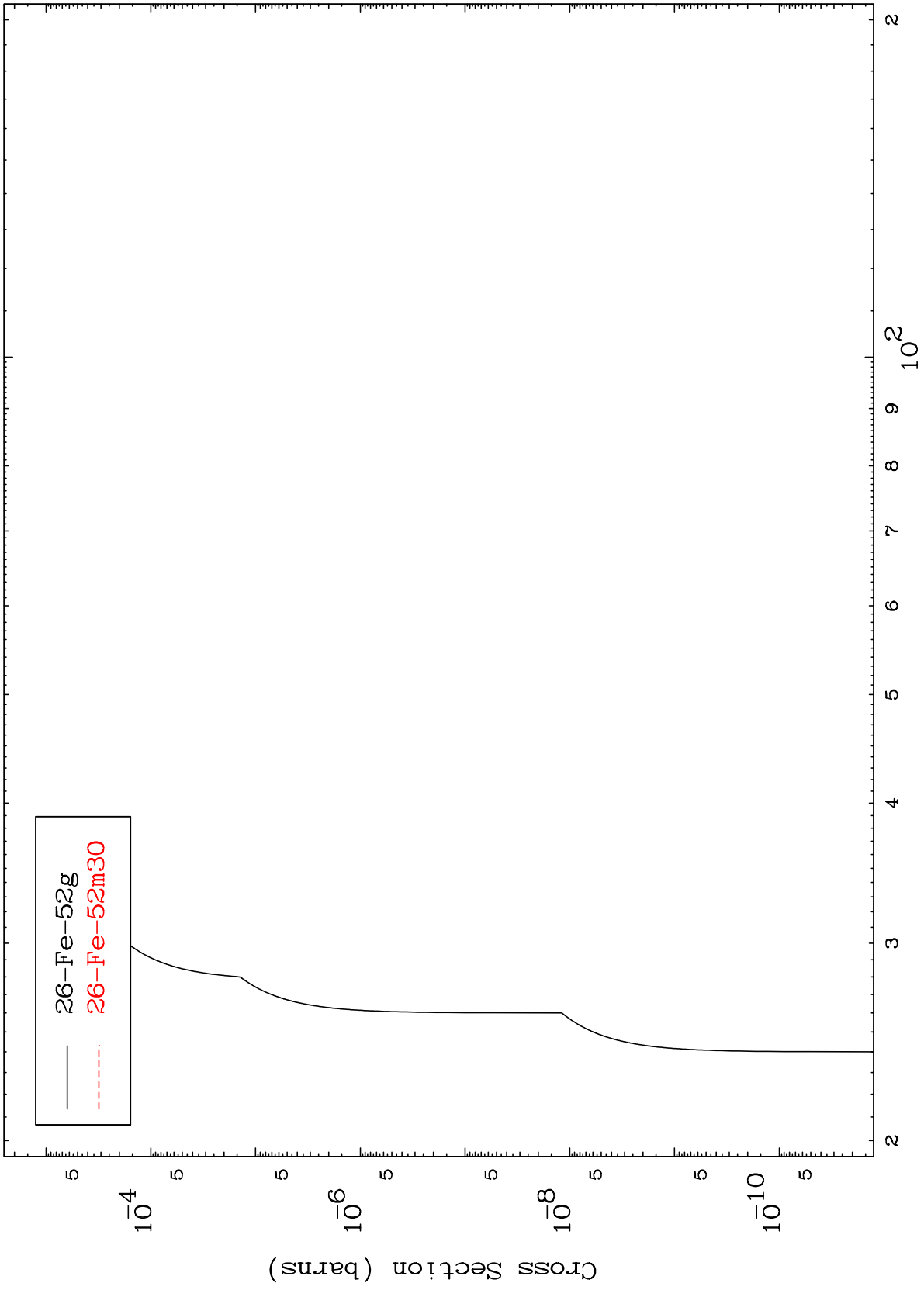
²⁶Fe-52

MAT 2619

(α, p) t

²⁶Fe-52

Radionuclide Production Cross Section



21

Incident Energy (MeV)

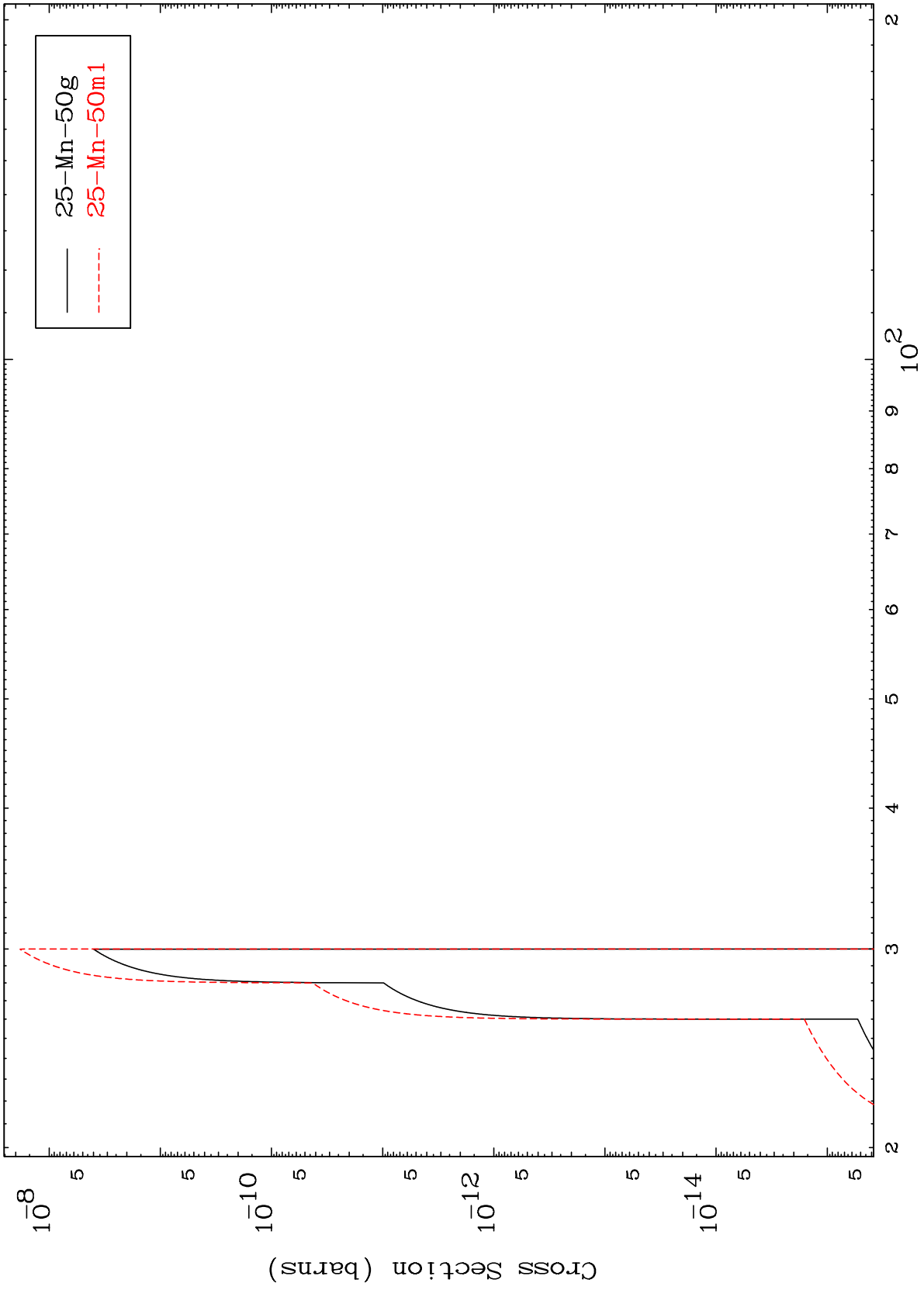
²⁶Fe-52

MAT 2619

(α, d) α

$^{26}\text{Fe-52}$

Radionuclide Production Cross Section



22

Incident Energy (MeV)

$^{26}\text{Fe-52}$