

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

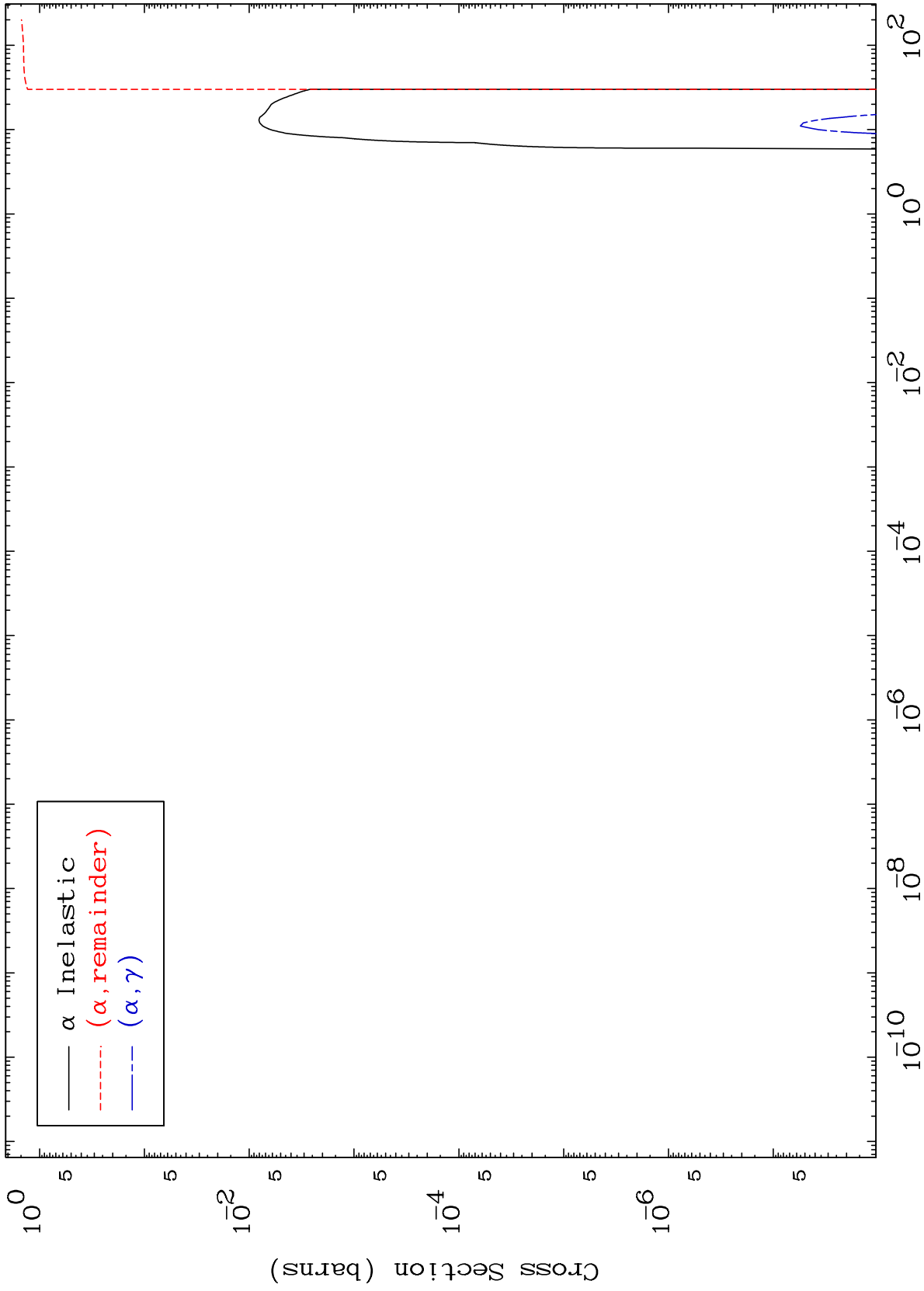
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2620

0 Kelvin  $\alpha$  Major  
Cross Sections

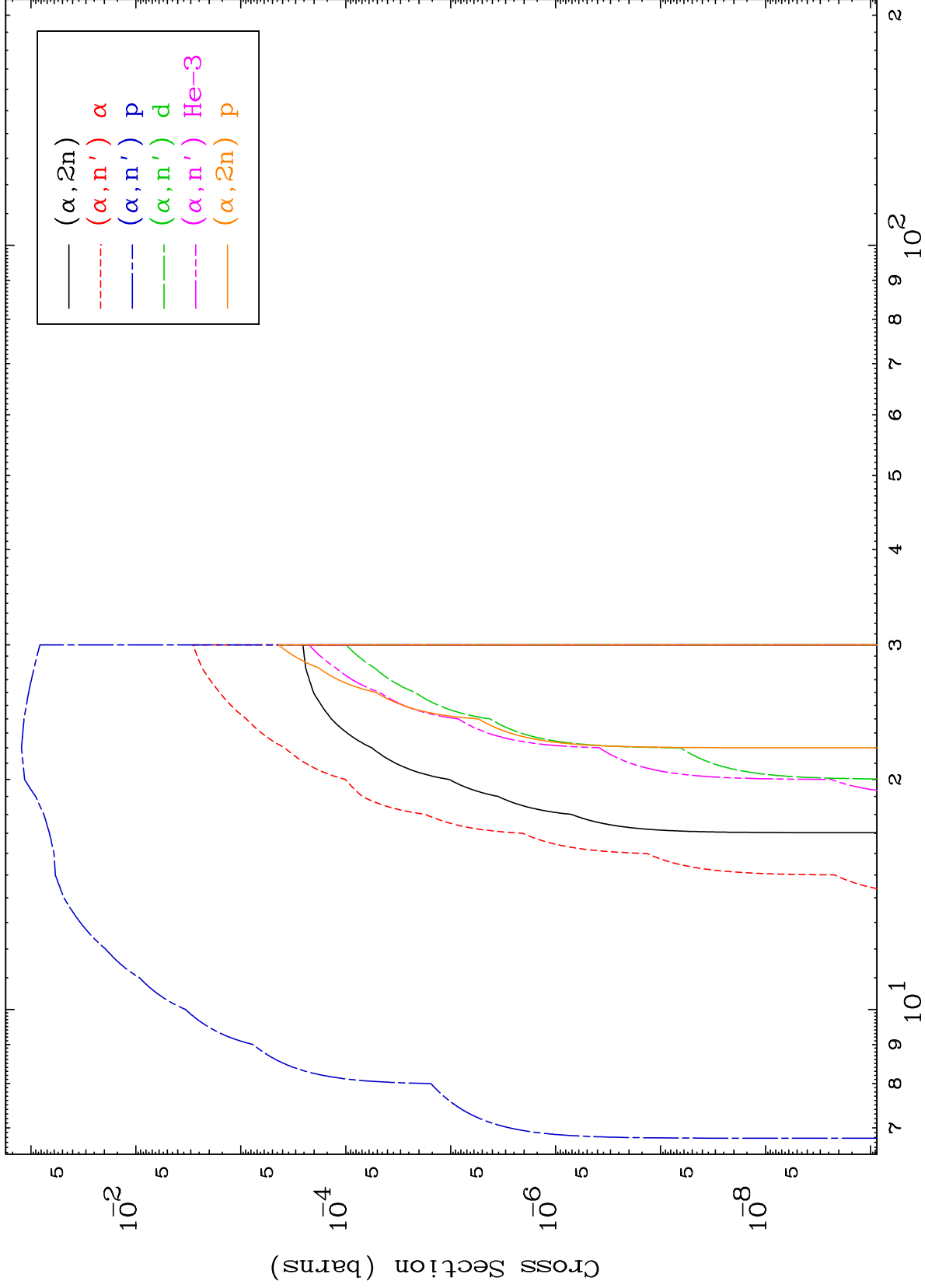
<sup>26</sup>Fe-52



MAT 2620

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

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



2

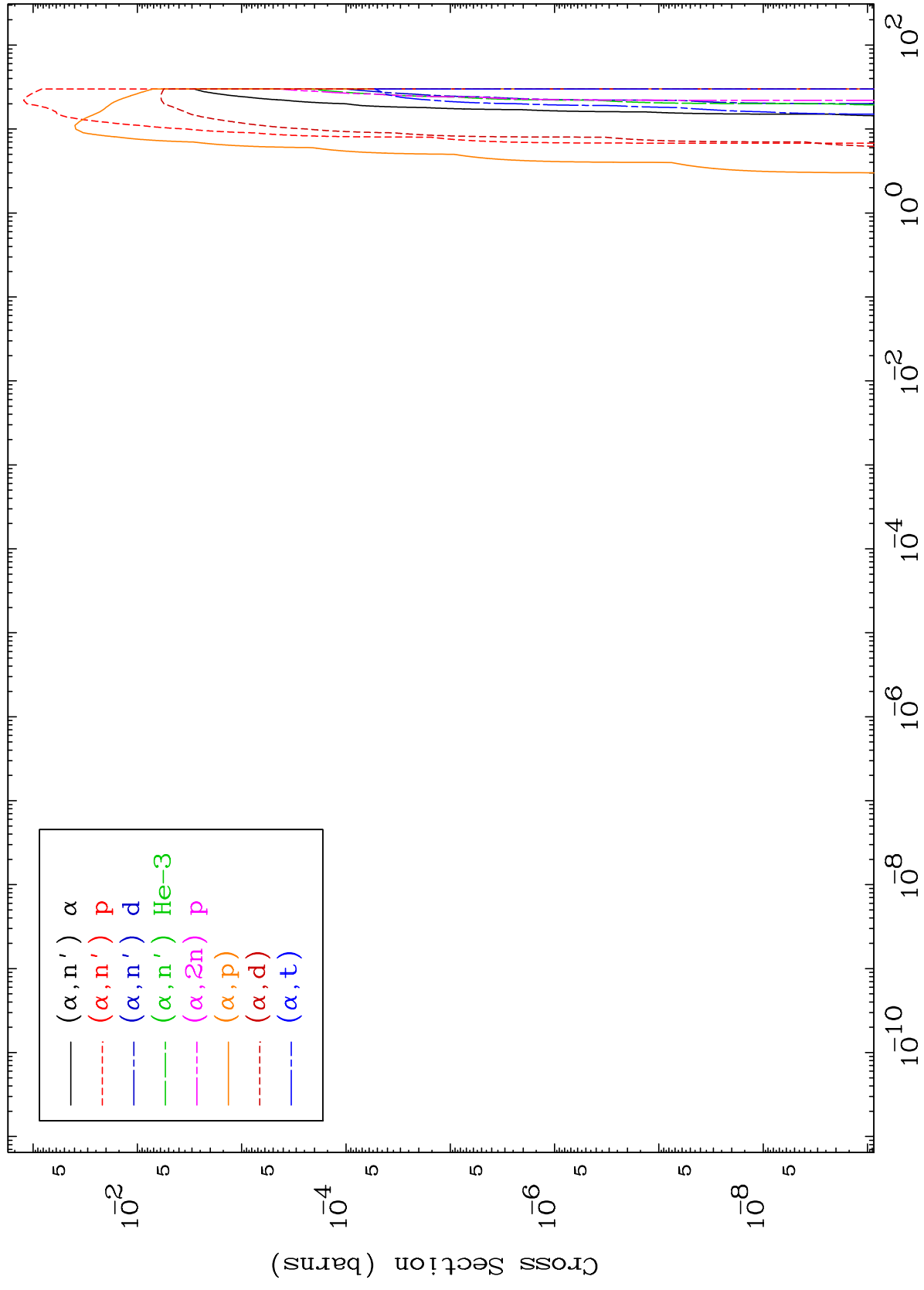
Incident Energy (MeV)

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

MAT 2620

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

26-Fe-52

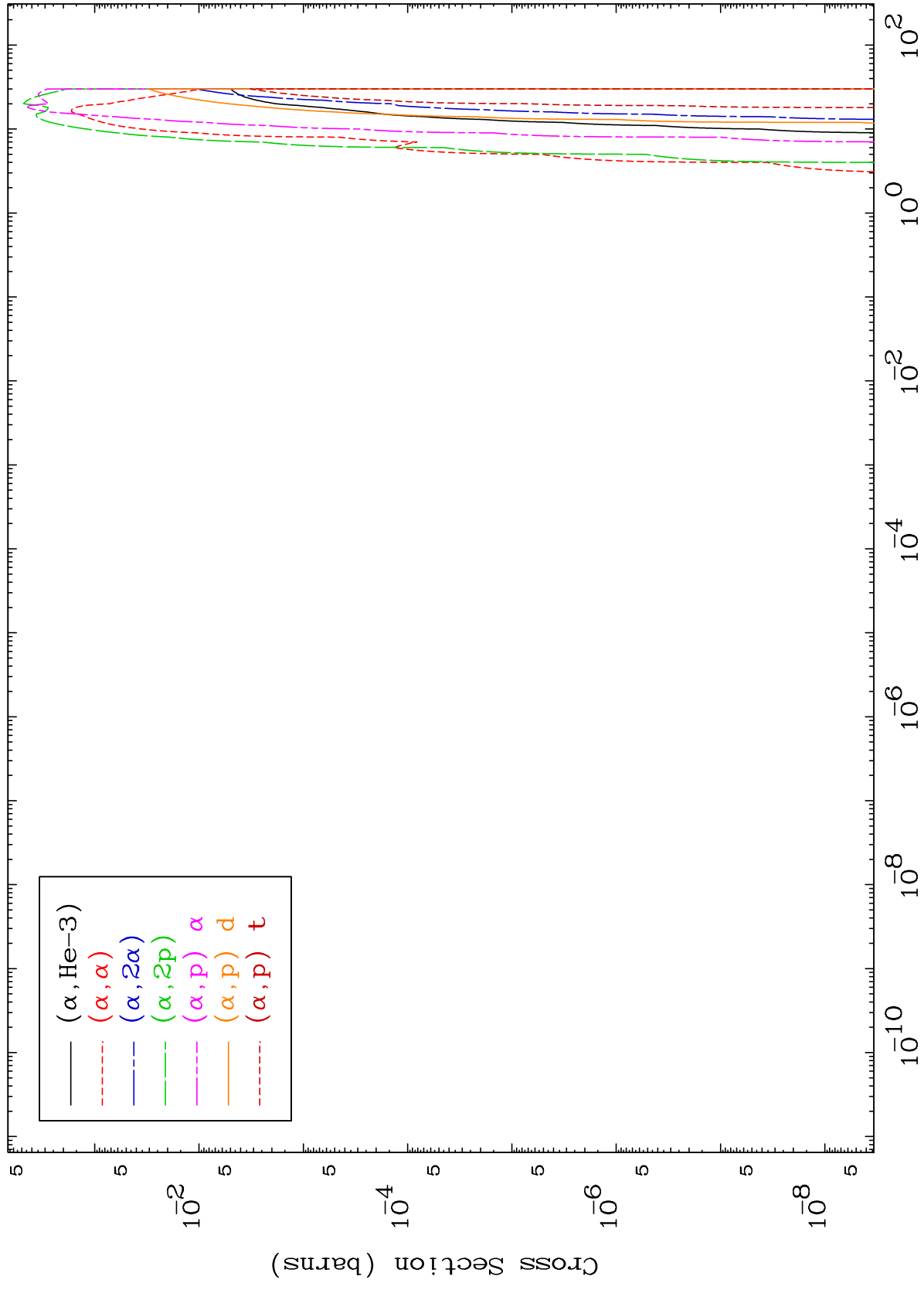


26-Fe-52

MAT 2620

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

26-Fe-52

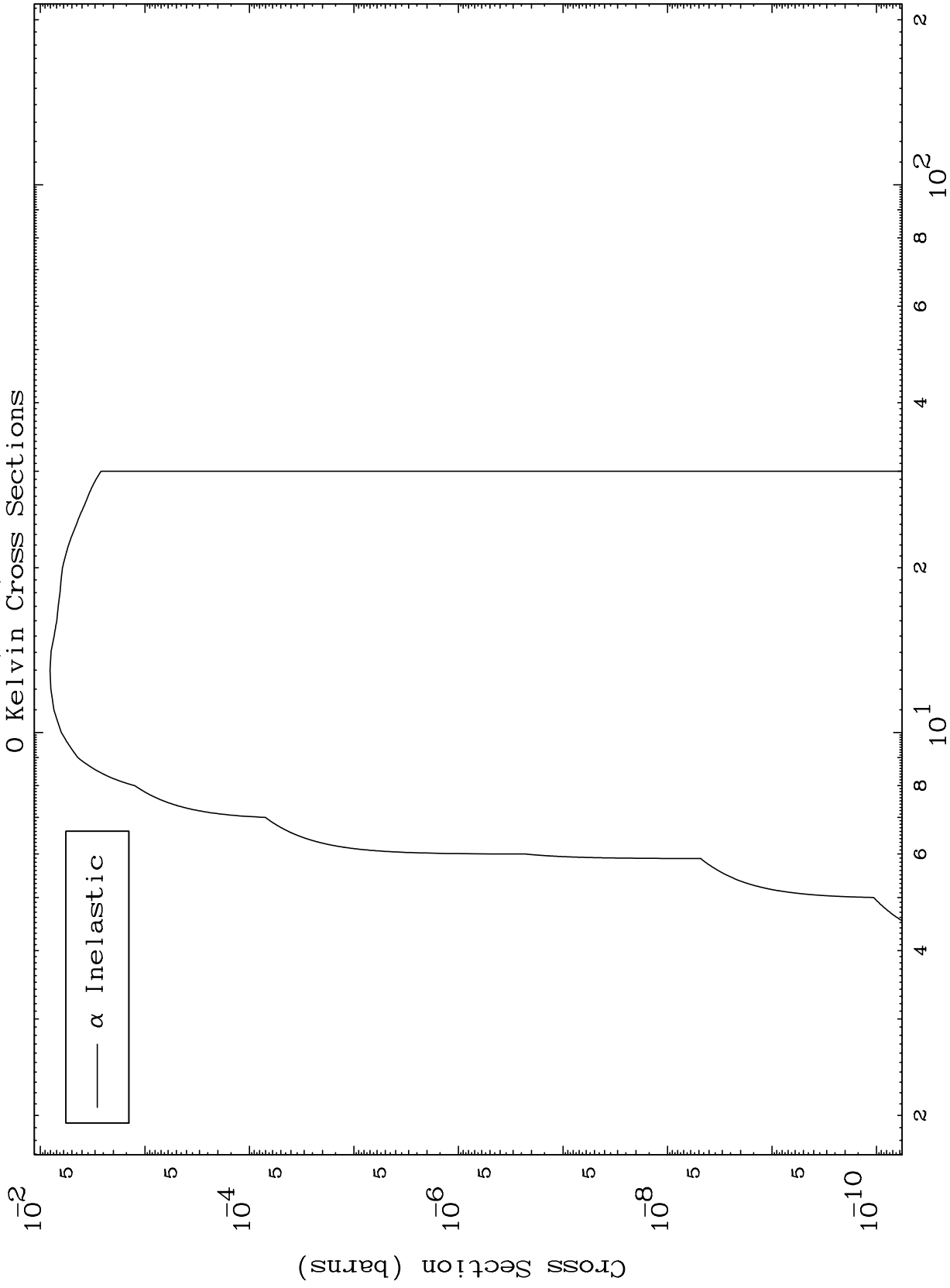


26-Fe-52

MAT 2620

( $\alpha, n'$ ) Level  
0 Kelvin Cross Sections

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

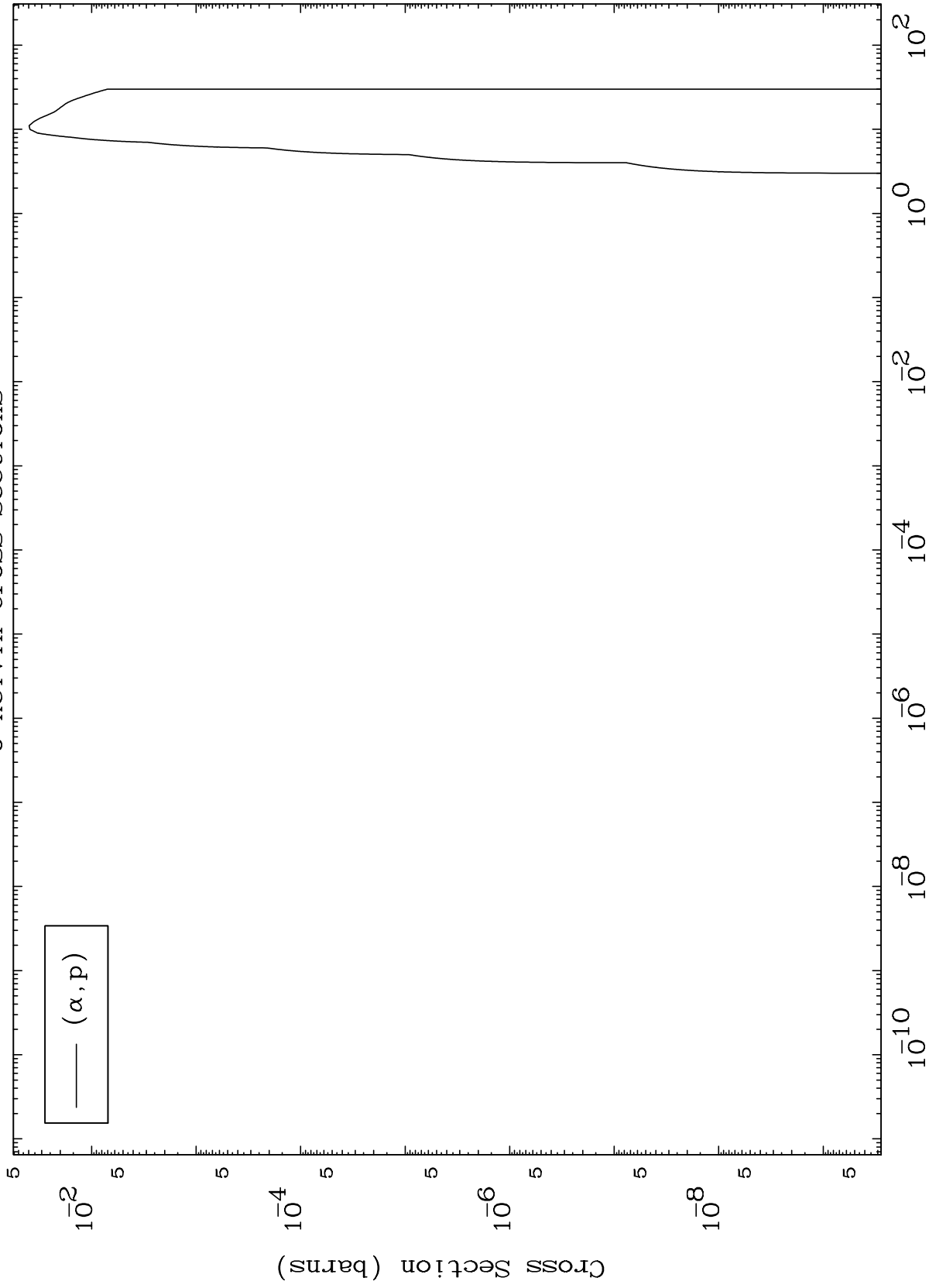


$\alpha$  Inelastic

MAT 2620

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

26-Fe-52

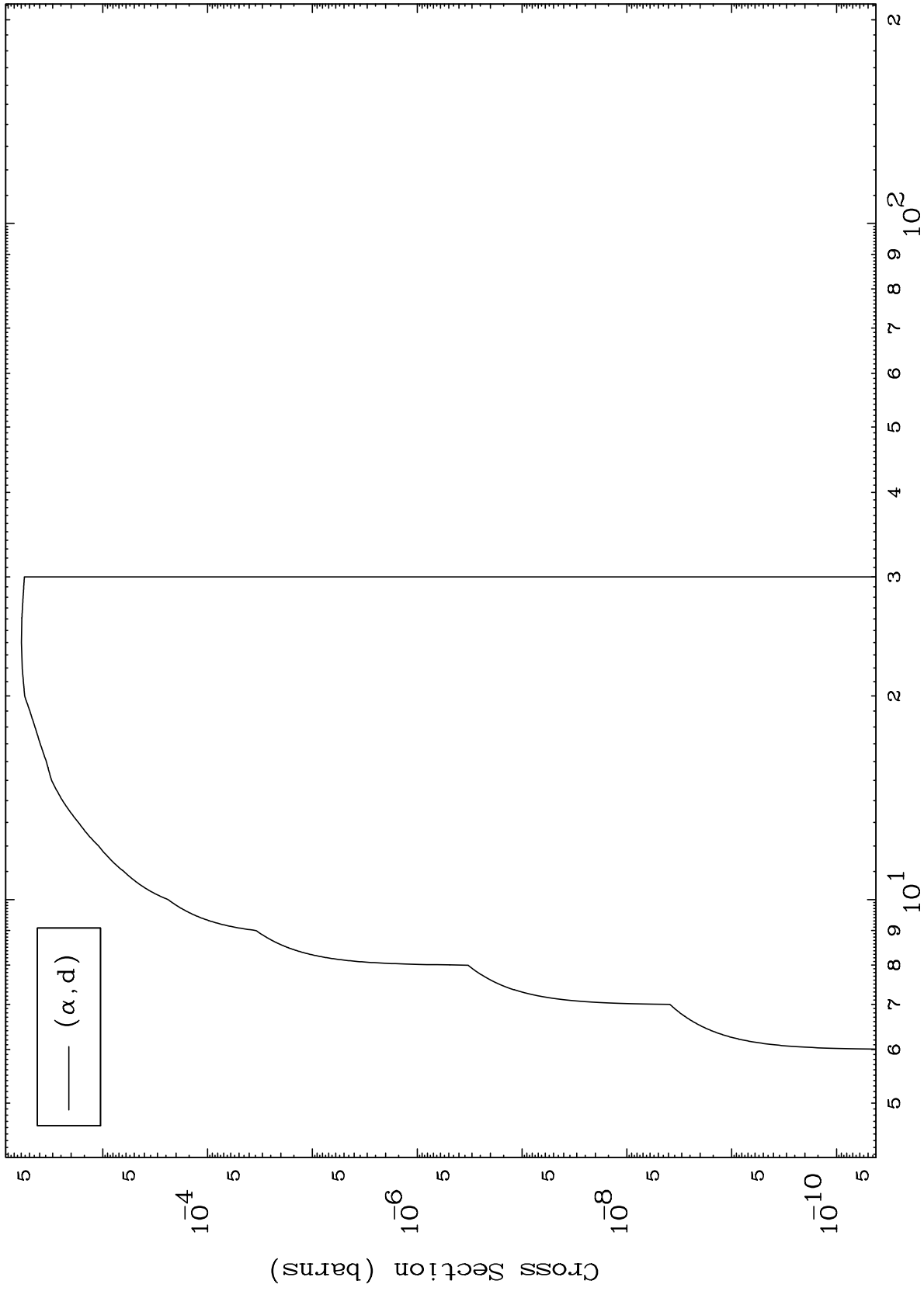


( $\alpha, p$ )

MAT 2620

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

<sup>26</sup>Fe-52

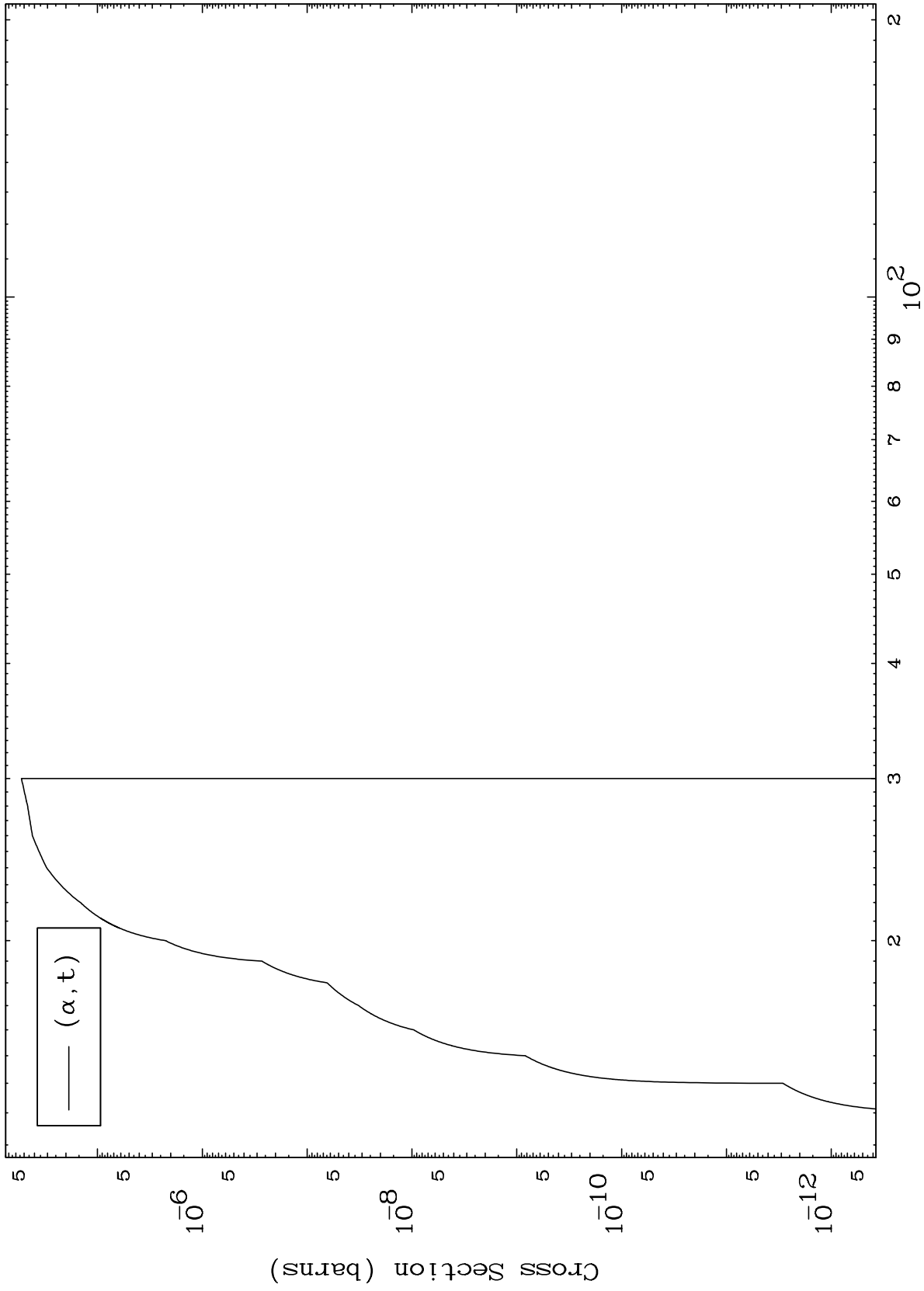


7

Incident Energy (MeV)

<sup>26</sup>Fe-52

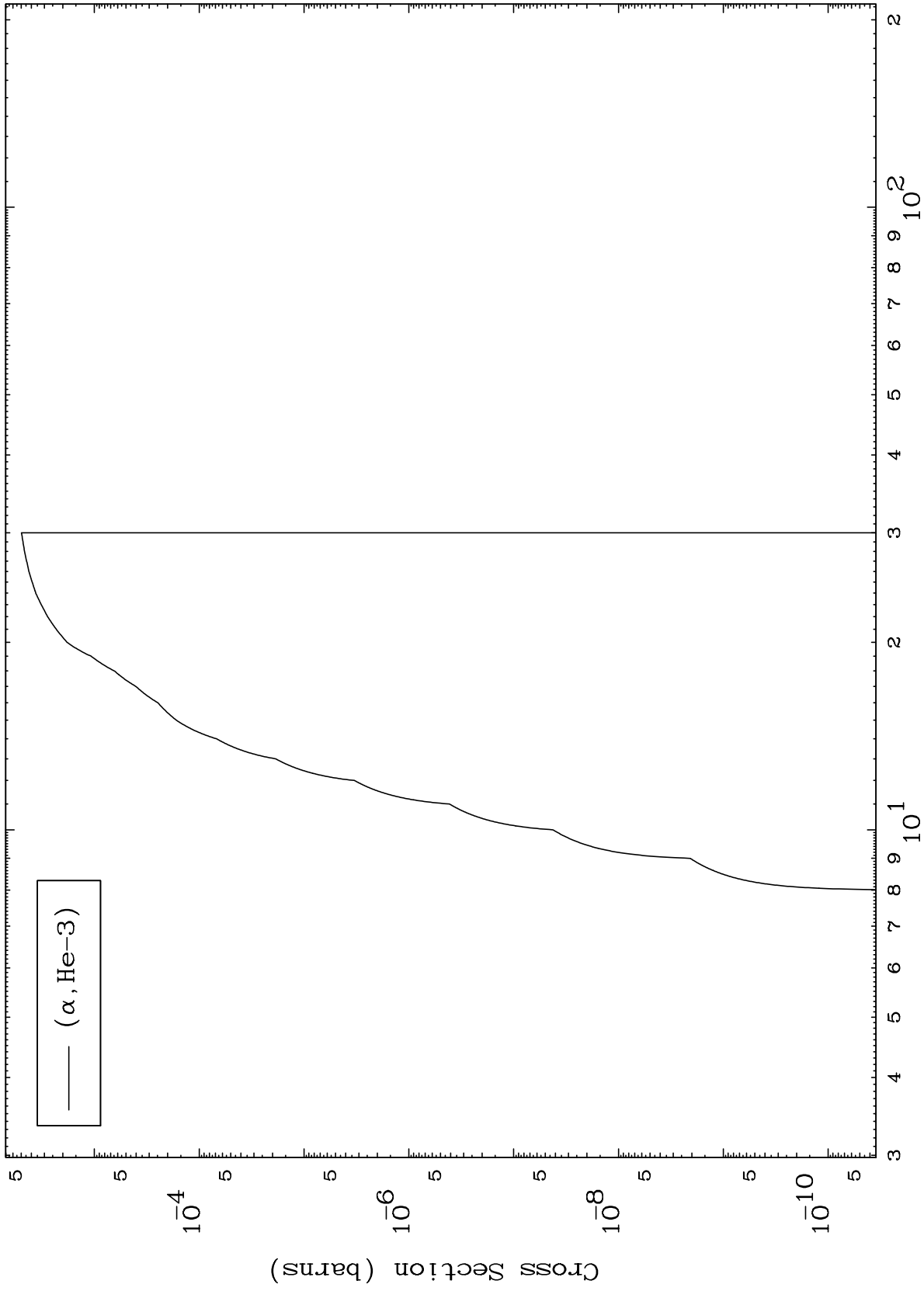




MAT 2620

( $\alpha$ ,He3) Levels  
0 Kelvin Cross Sections

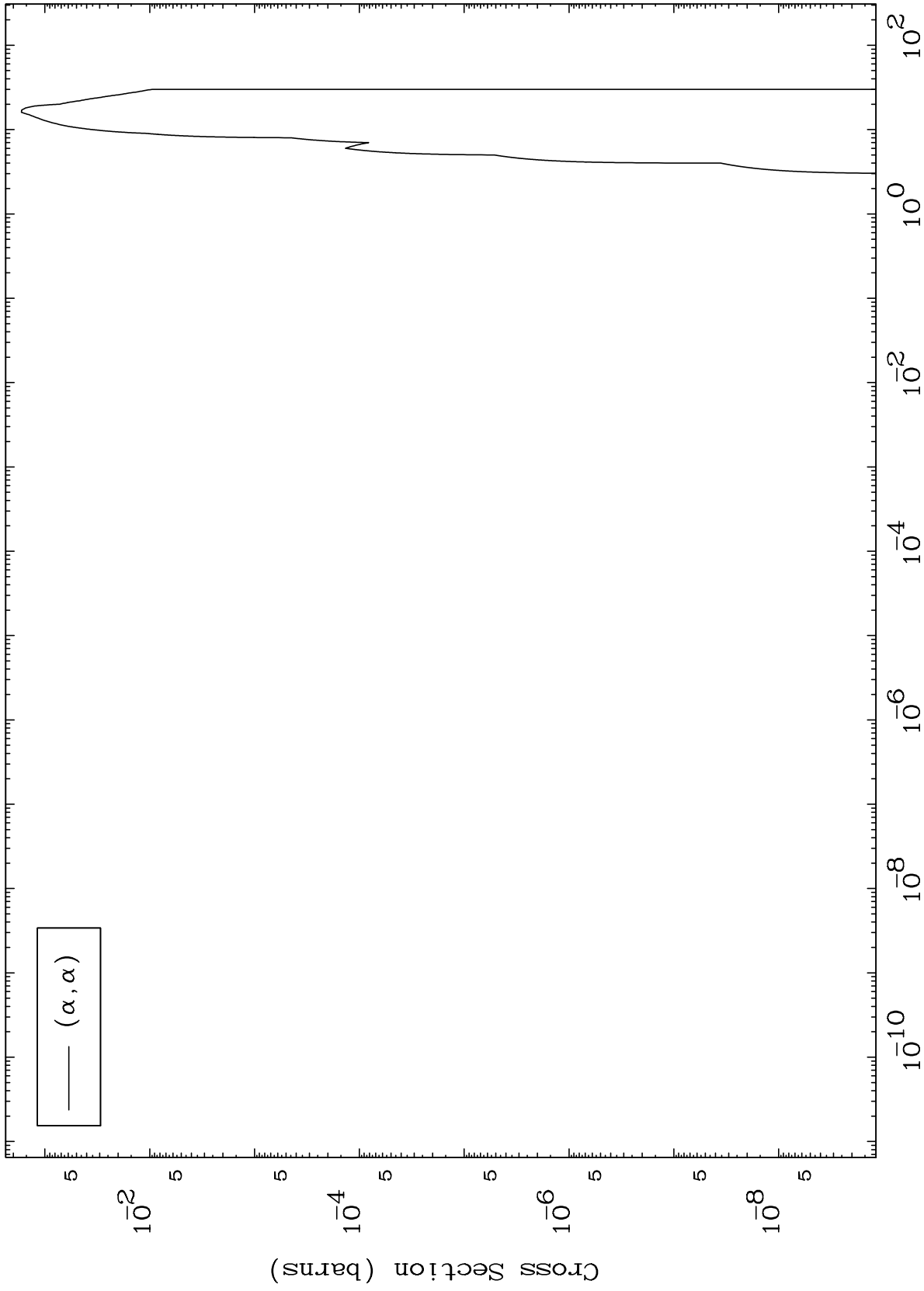
26-Fe-52



MAT 2620

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

26-Fe-52



10

Incident Energy (MeV)

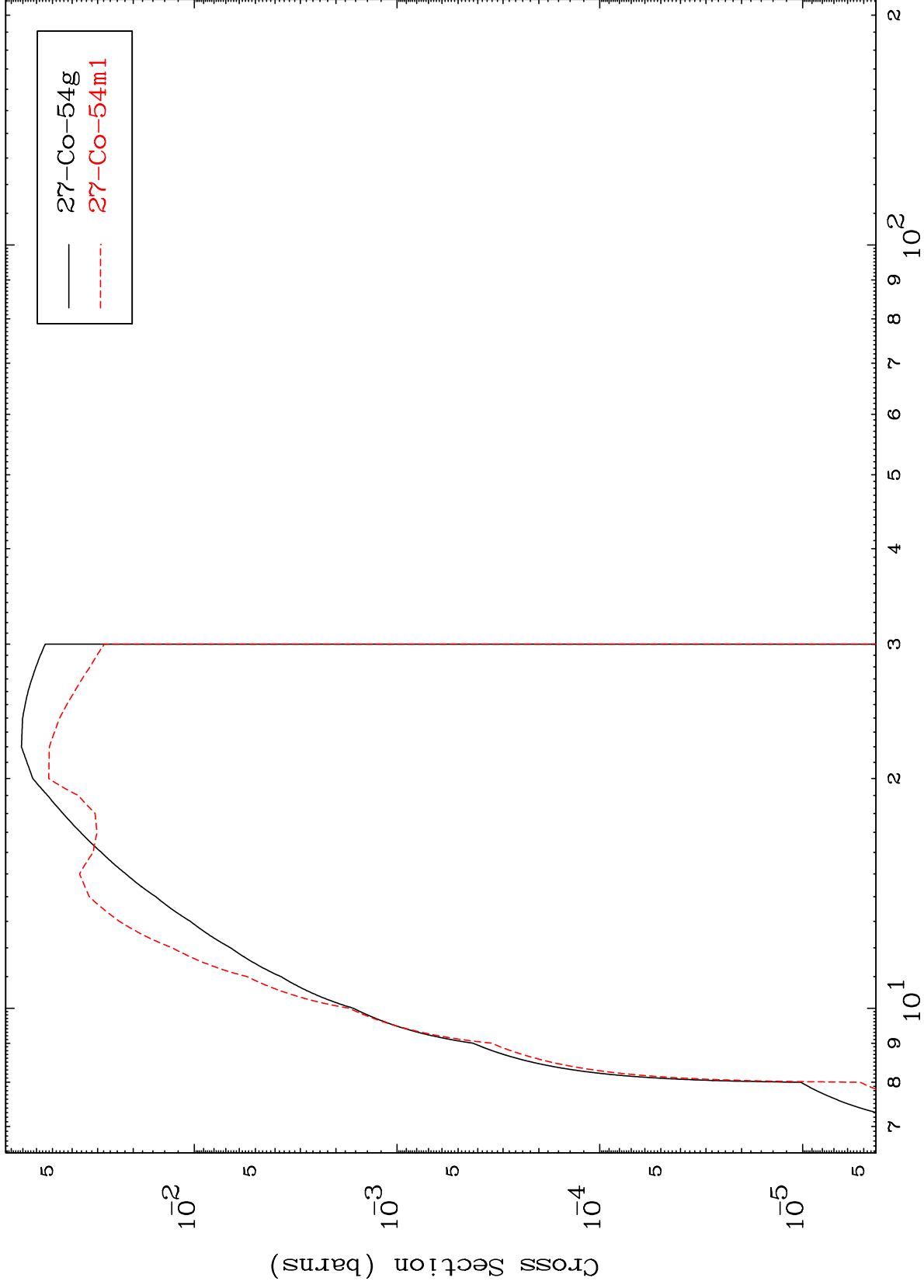
26-Fe-52

MAT 2620

$(\alpha, n')$  p

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

Radionuclide Production Cross Section



11

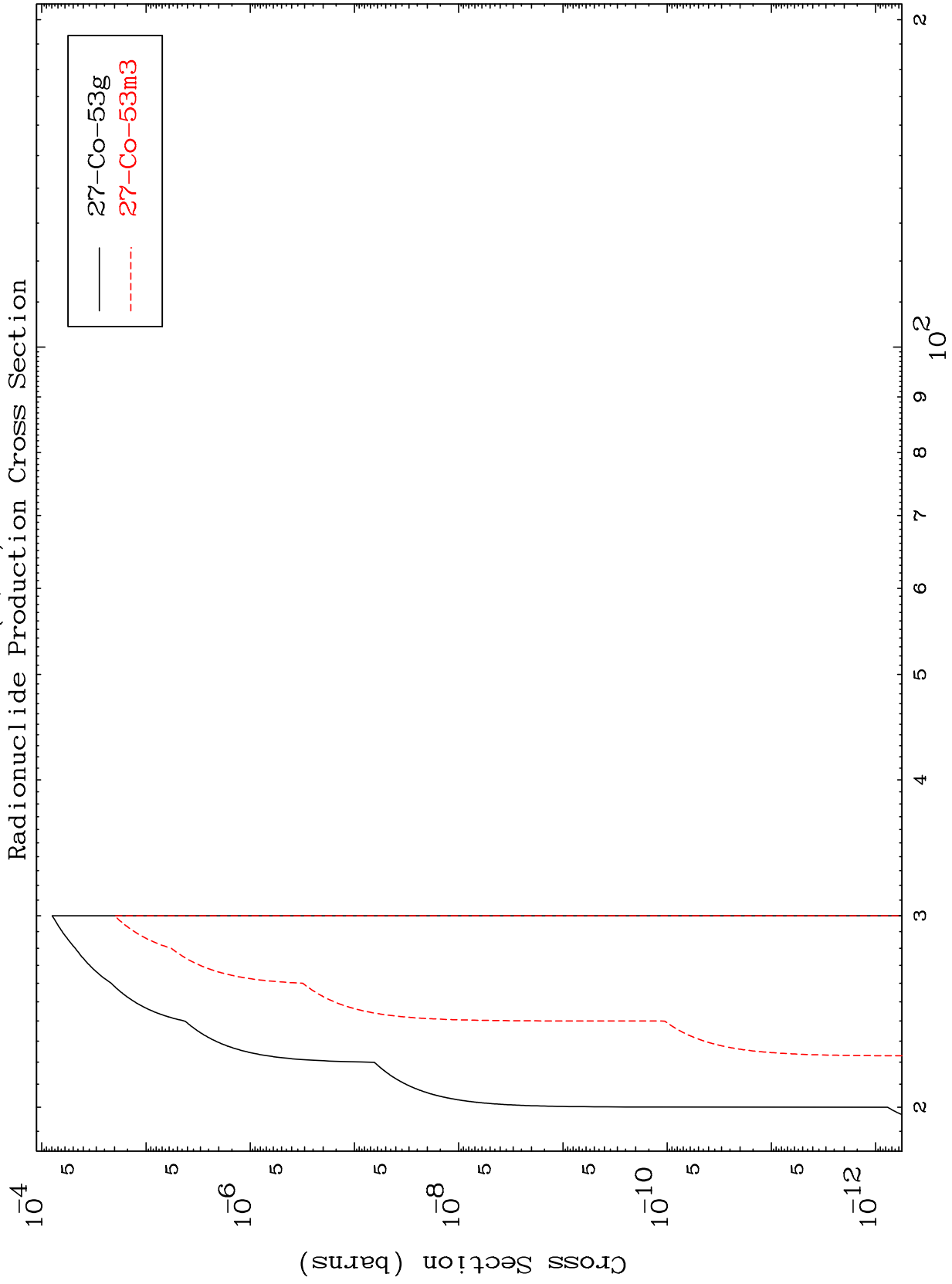
Incident Energy (MeV)

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

MAT 2620

( $\alpha, n'$ ) d

26-Fe-52



26-Fe-52

Incident Energy (MeV)

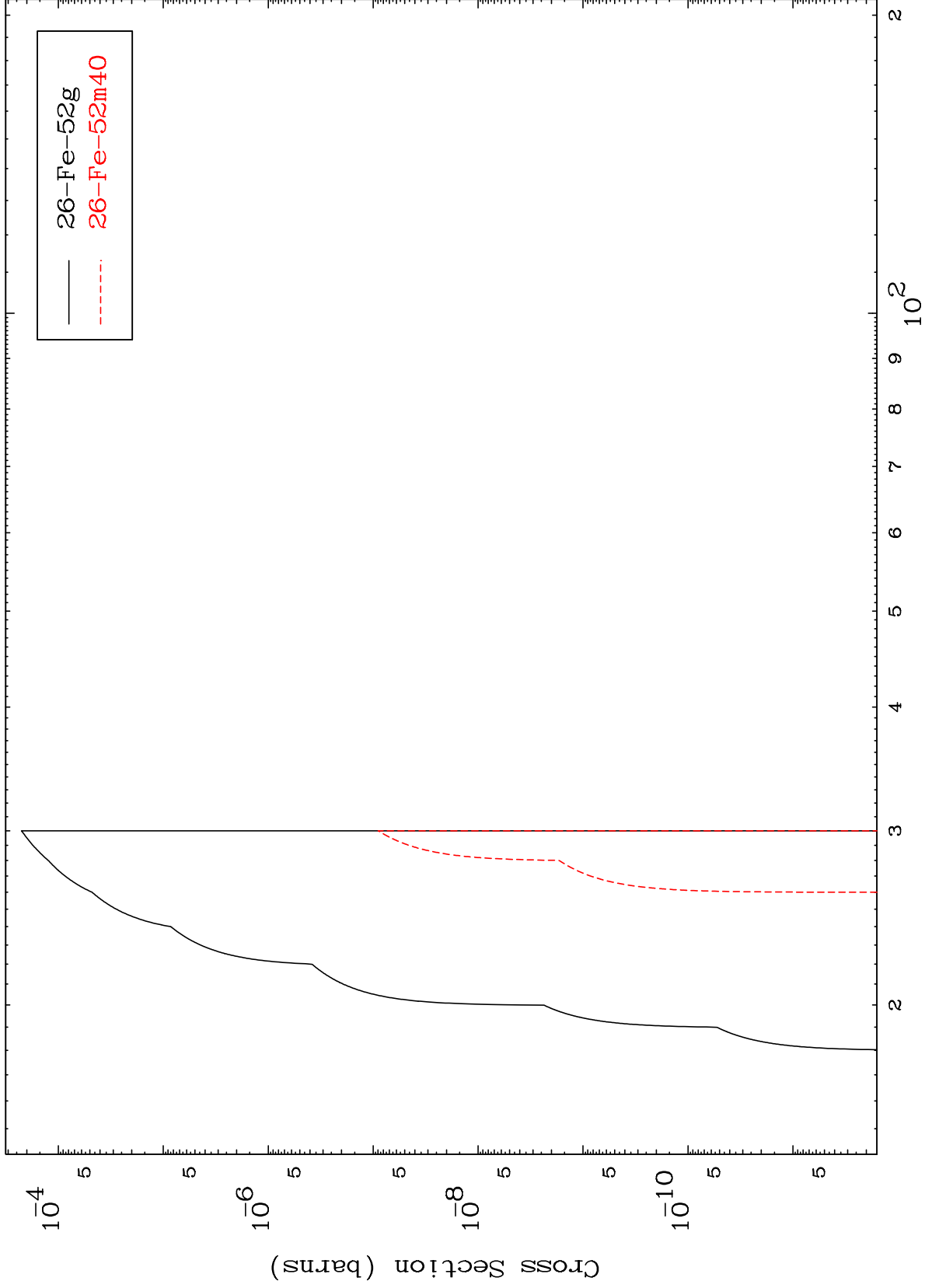
12

MAT 2620

( $\alpha, n'$ ) He-3

<sup>26</sup>Fe-52

Radionuclide Production Cross Section



13

Incident Energy (MeV)

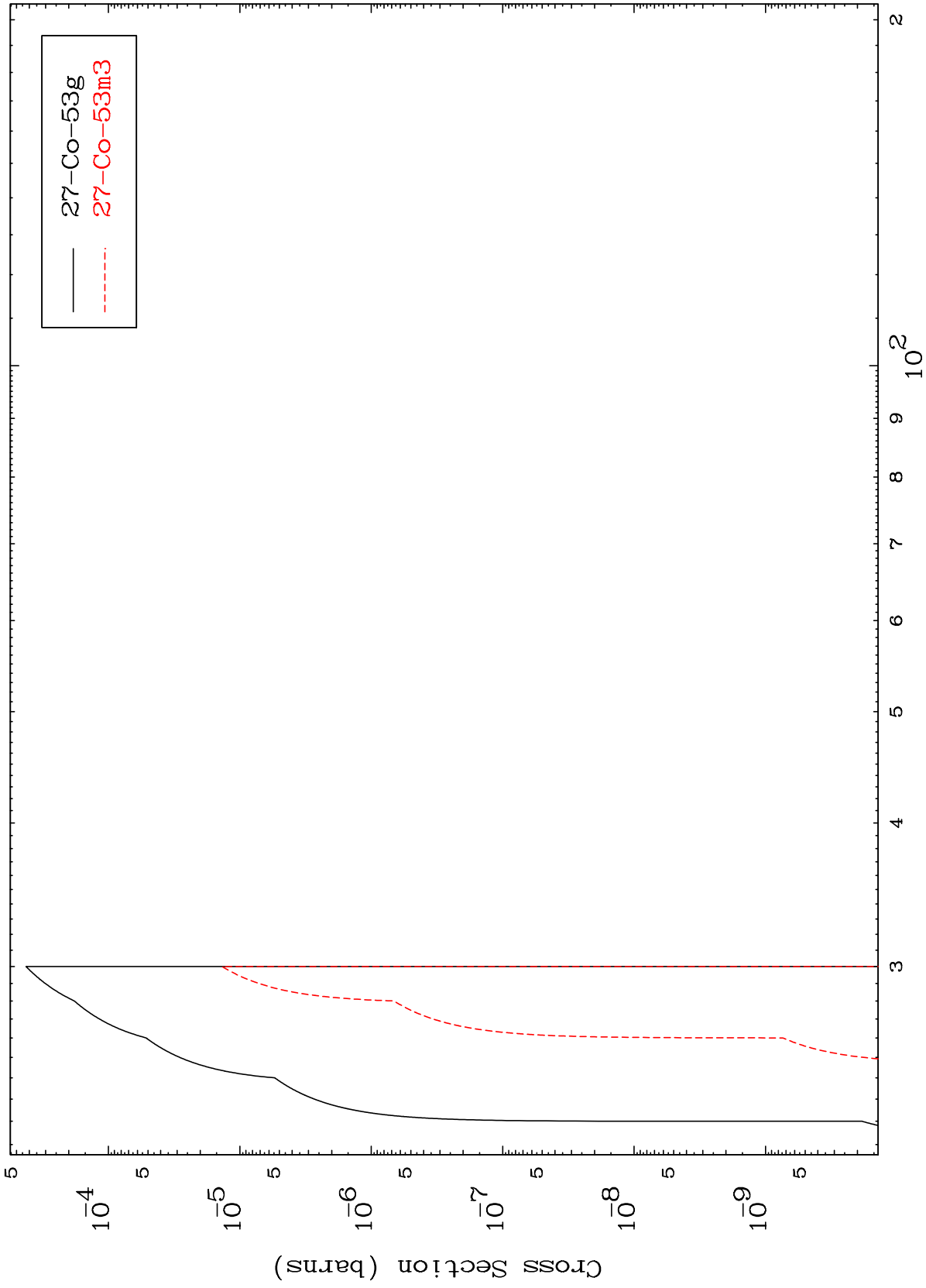
<sup>26</sup>Fe-52

MAT 2620

$(\alpha, 2n)$  p

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

Radionuclide Production Cross Section



14

Incident Energy (MeV)

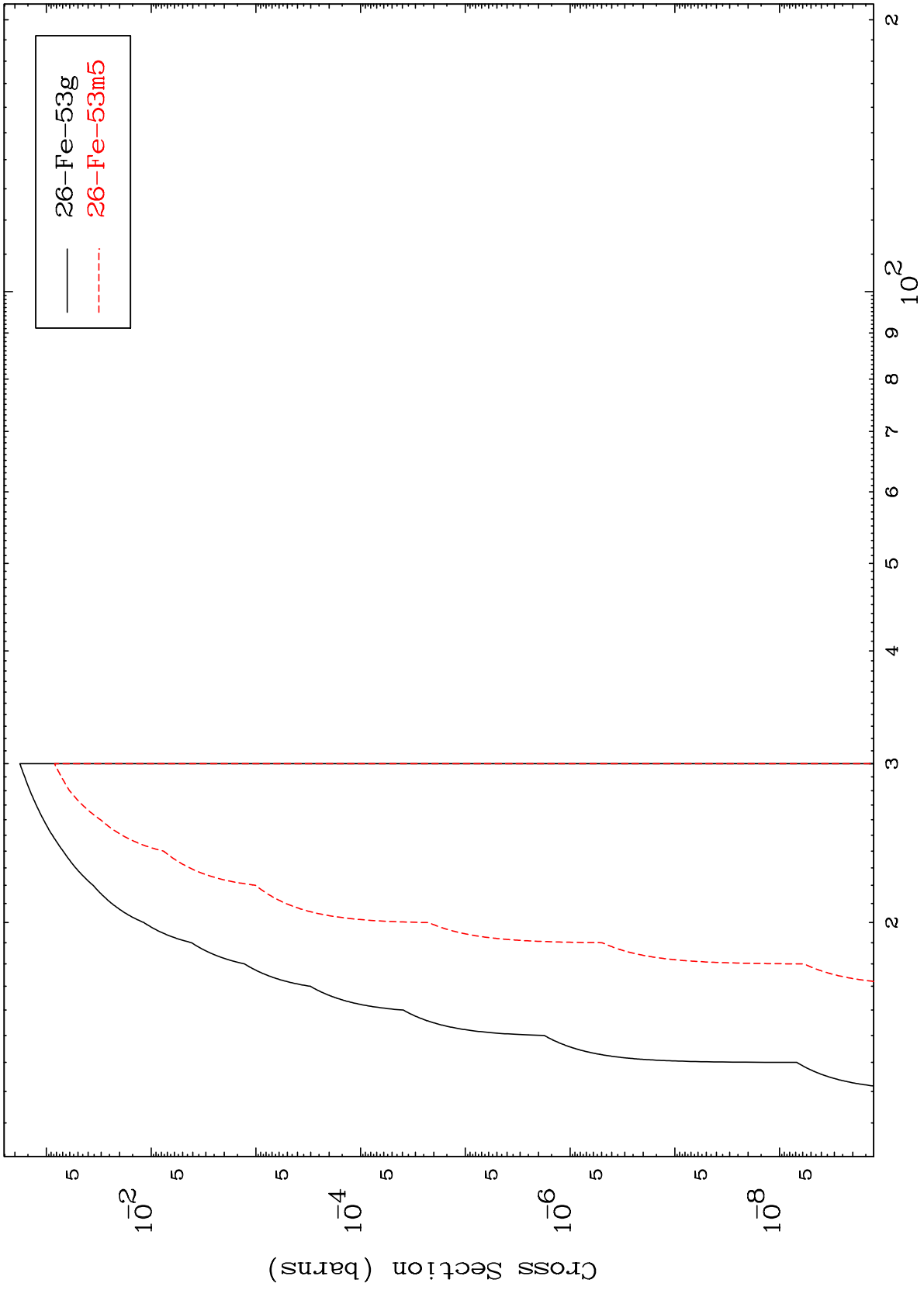
$^{26}\text{Fe-52}$

MAT 2620

( $\alpha, 2n$ ) p

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

Radionuclide Production Cross Section



15

Incident Energy (MeV)

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

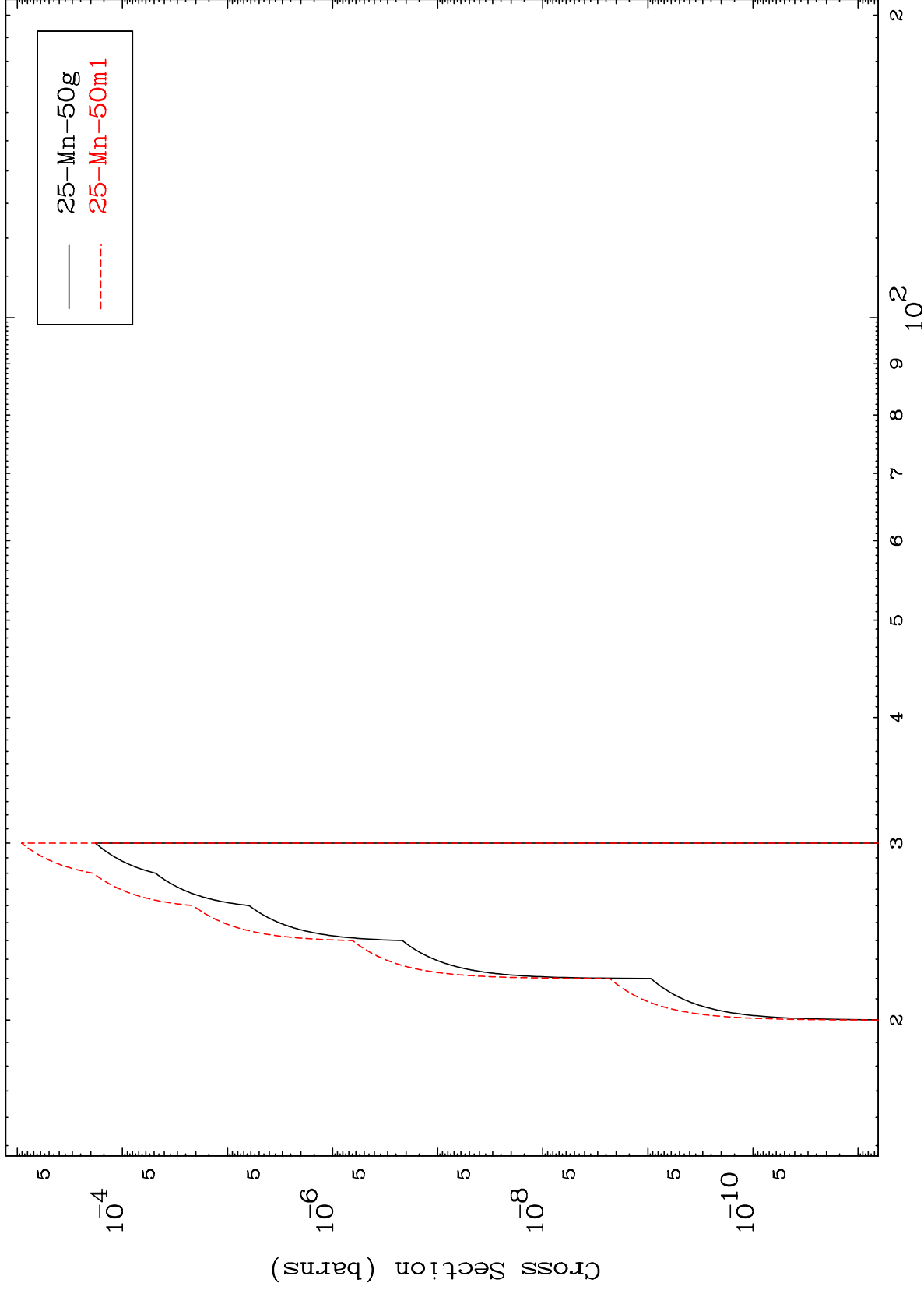


MAT 2620

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

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

Radionuclide Production Cross Section



16

Incident Energy (MeV)

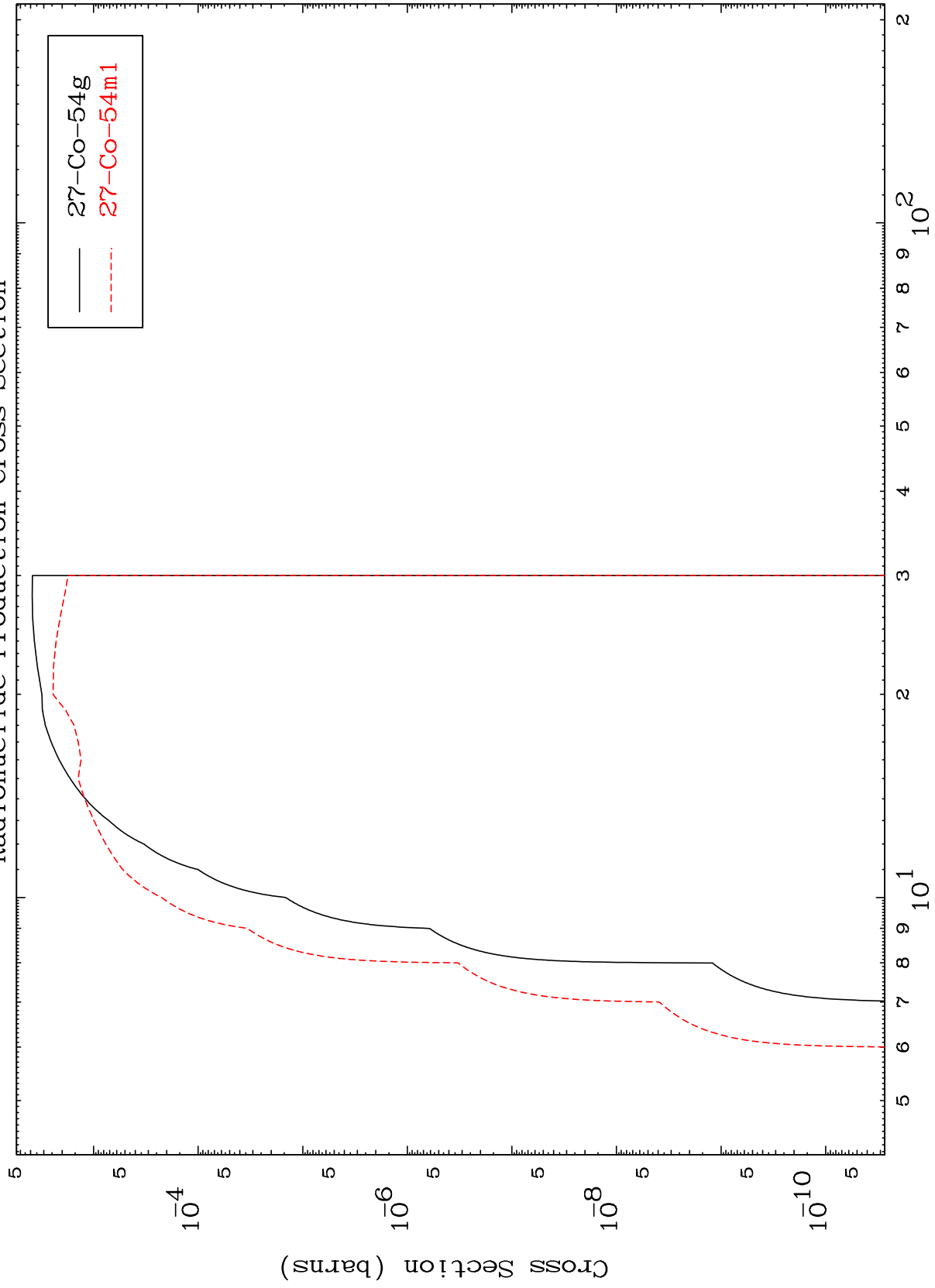
$^{26}\text{Fe-52}$

MAT 2620

( $\alpha, d$ )

<sup>26</sup>Fe-52

Radionuclide Production Cross Section



17

Incident Energy (MeV)

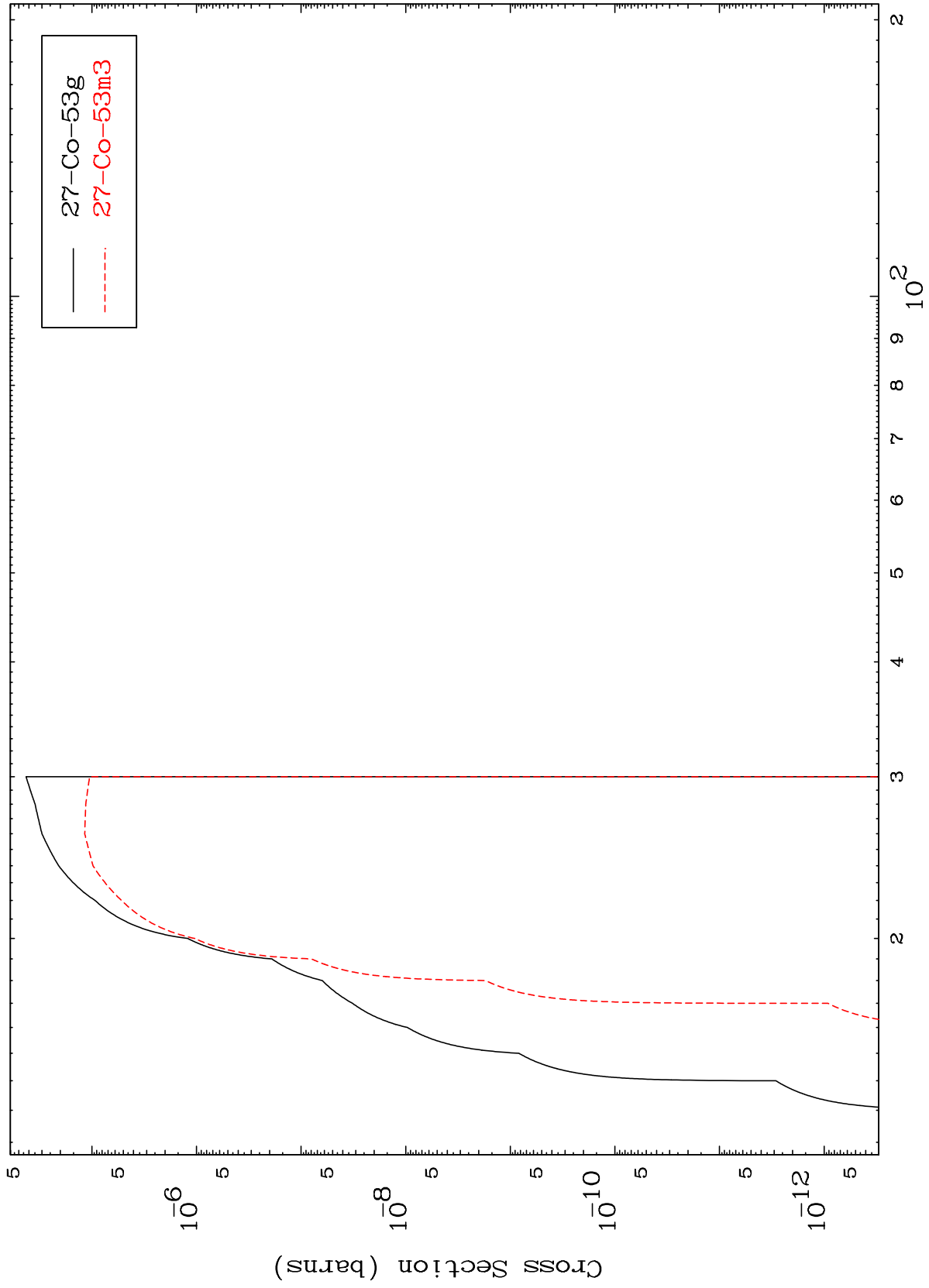
<sup>26</sup>Fe-52

MAT 2620

( $\alpha, t$ )

<sup>26</sup>Fe-52

Radionuclide Production Cross Section



18

Incident Energy (MeV)

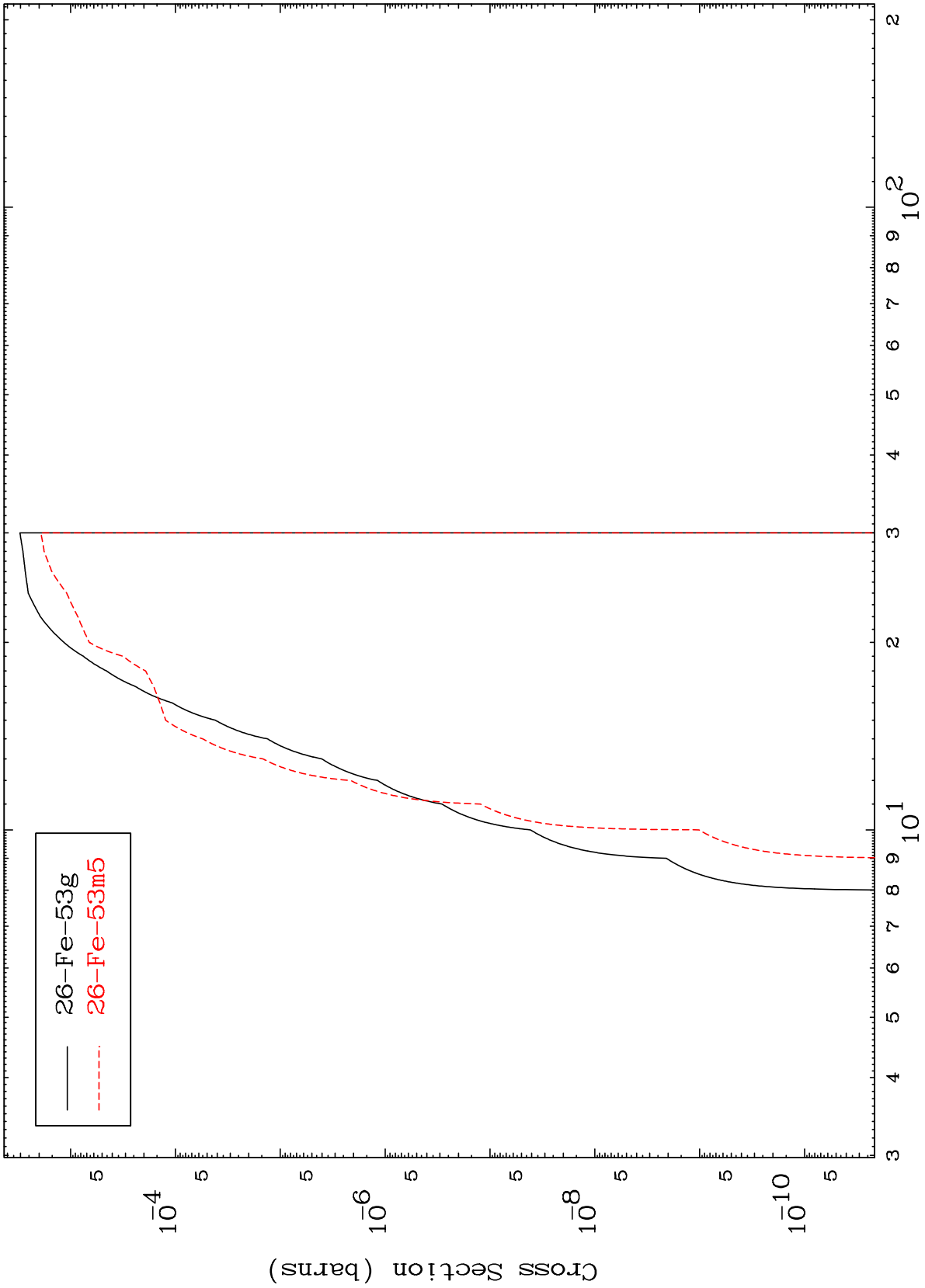
<sup>26</sup>Fe-52

MAT 2620

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

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

Radionuclide Production Cross Section



19

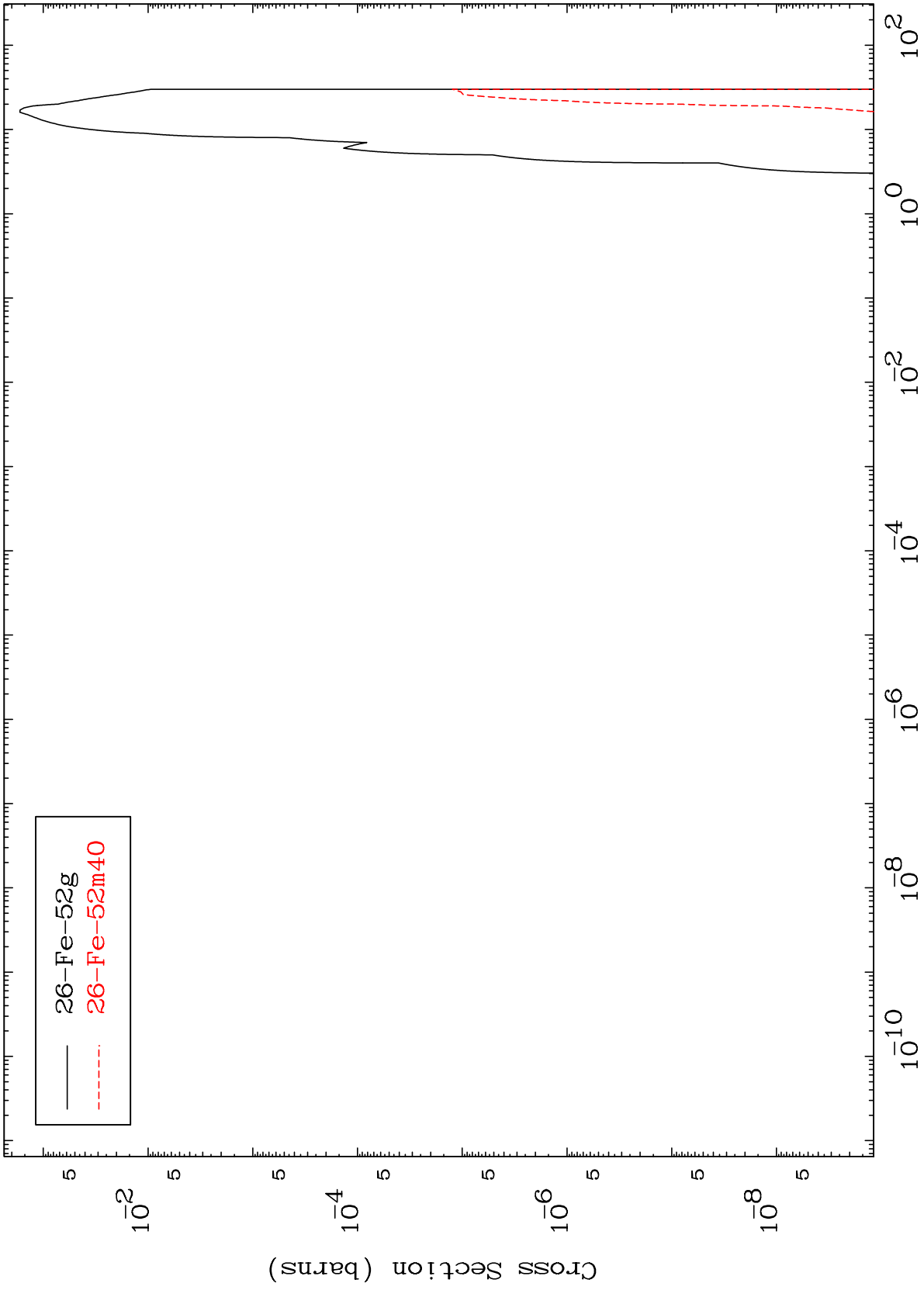
Incident Energy (MeV)

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

MAT 2620

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

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



20

Incident Energy (MeV)

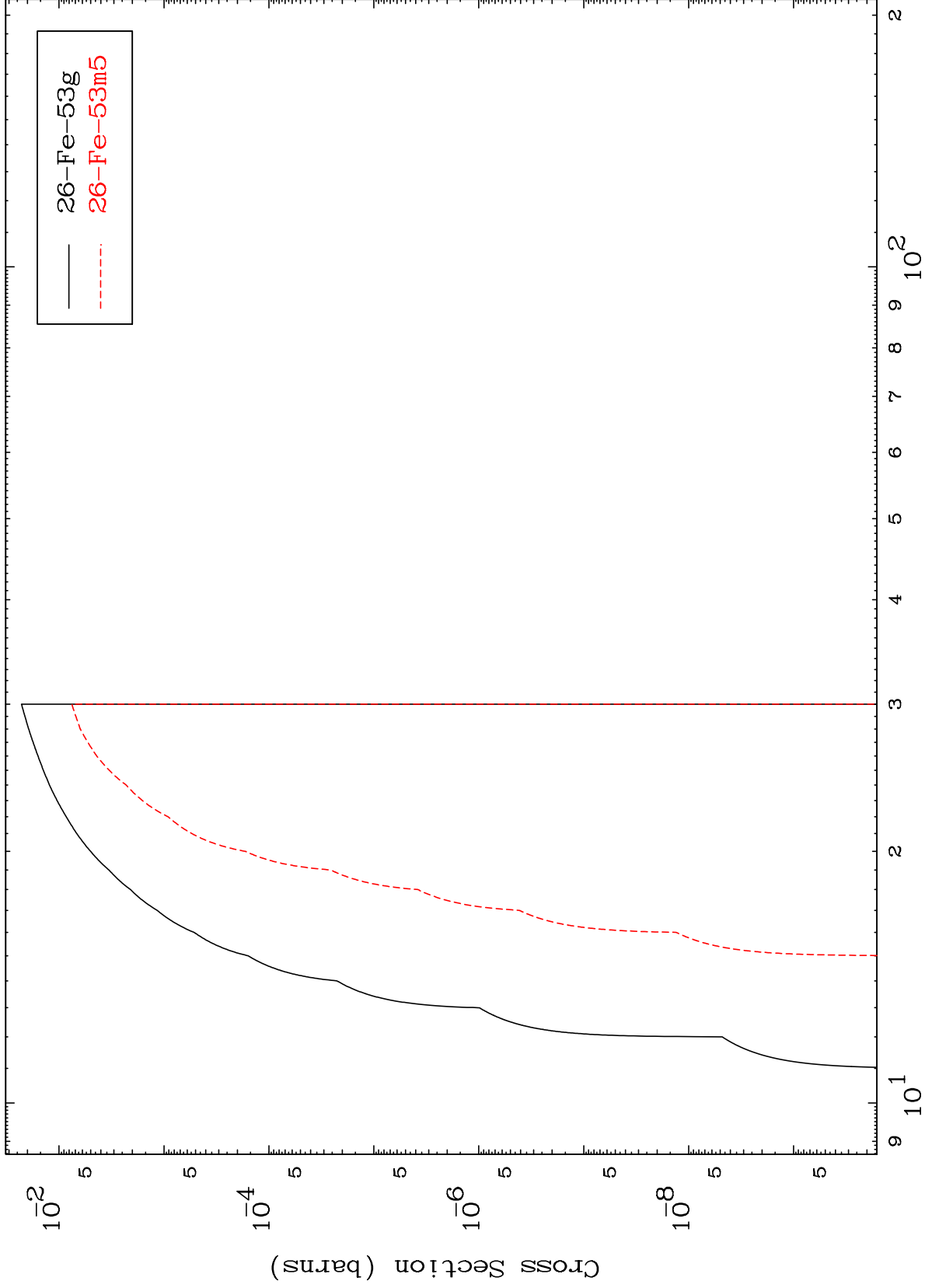
$^{26}\text{Fe-52}$

MAT 2620

( $\alpha, p$ ) d

<sup>26</sup>Fe-52

Radionuclide Production Cross Section



21

Incident Energy (MeV)

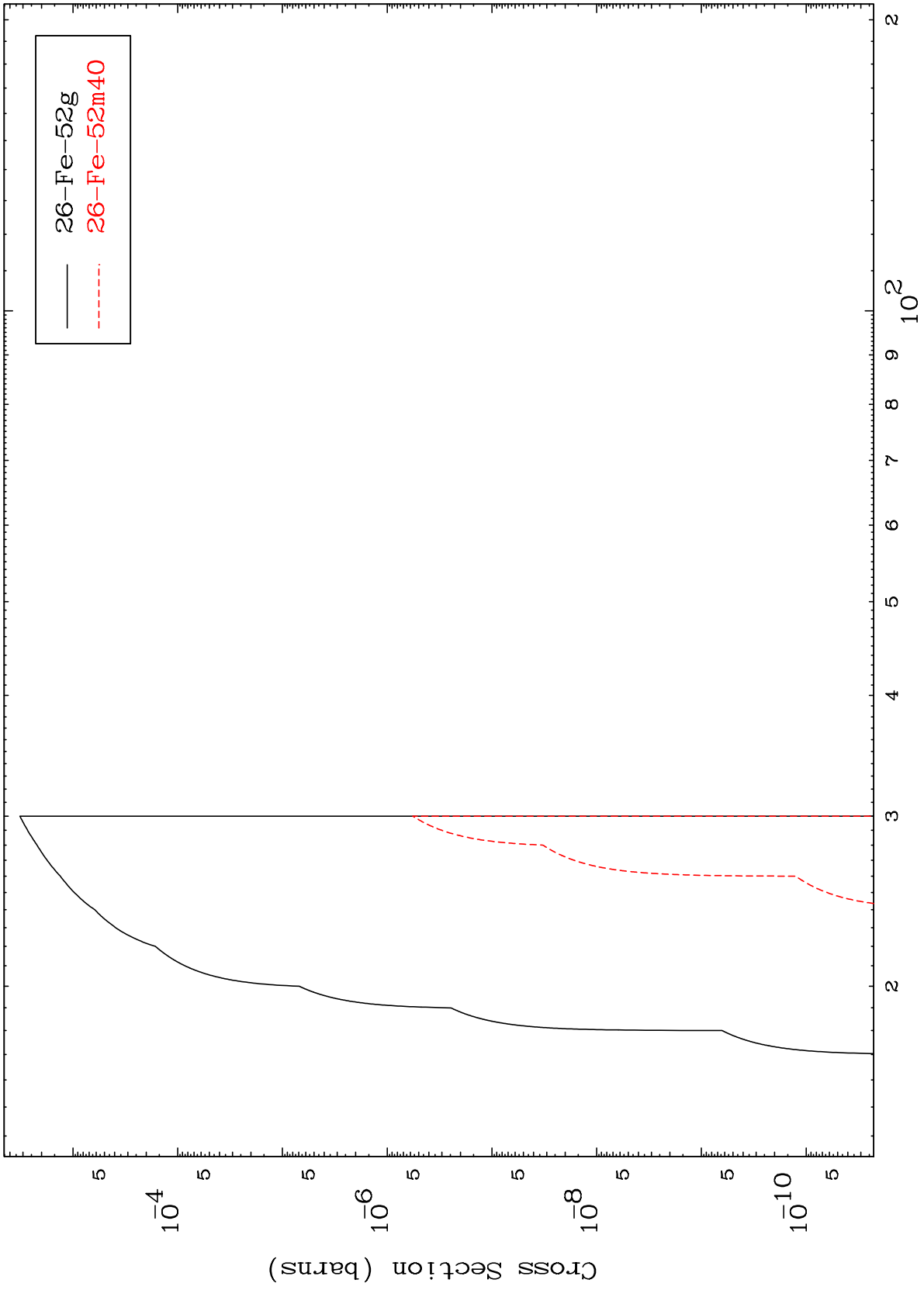
<sup>26</sup>Fe-52

MAT 2620

( $\alpha, p$ ) t

<sup>26</sup>Fe-52

Radionuclide Production Cross Section



22

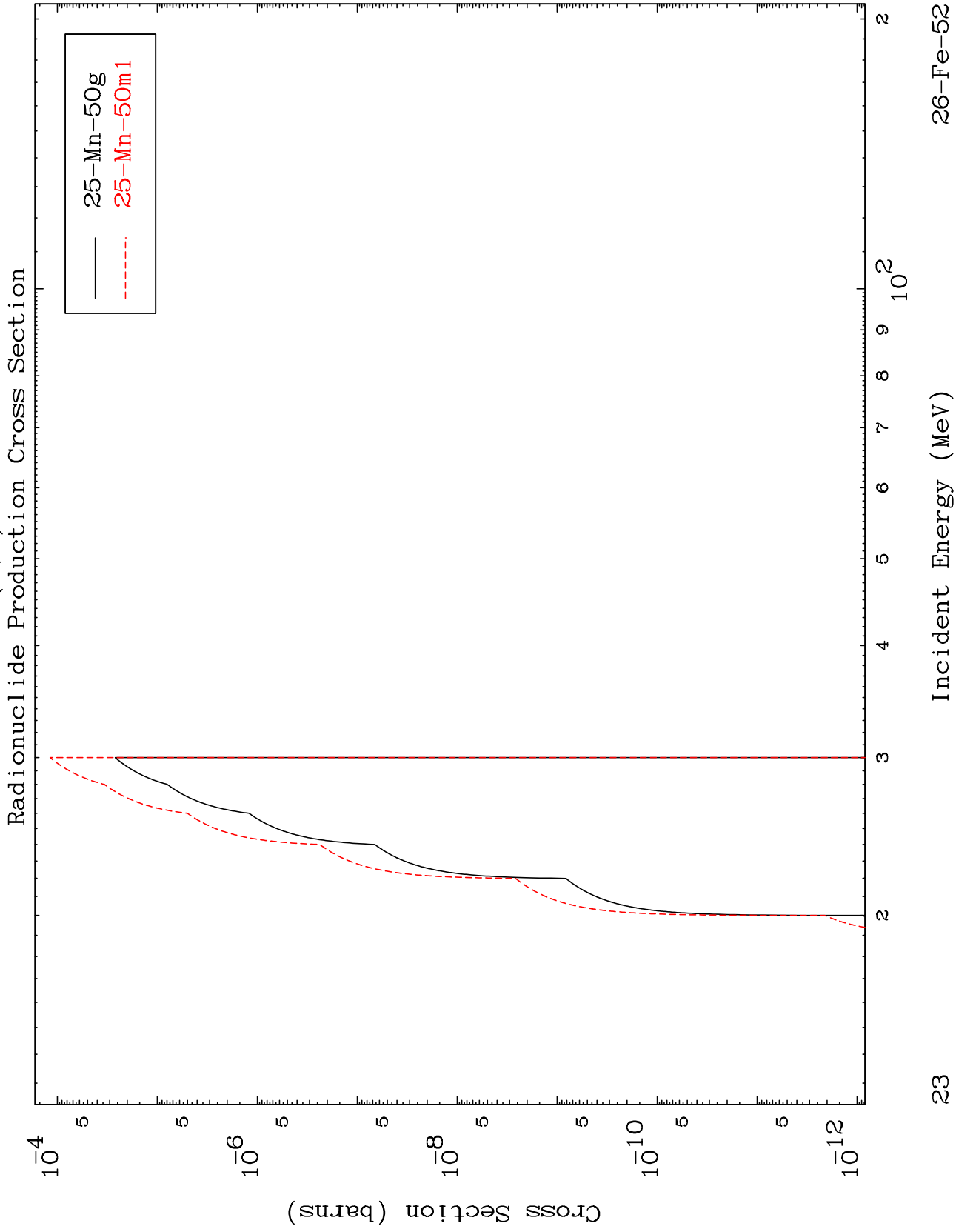
Incident Energy (MeV)

<sup>26</sup>Fe-52

MAT 2620

( $\alpha, d$ )  $\alpha$

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



23

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