

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

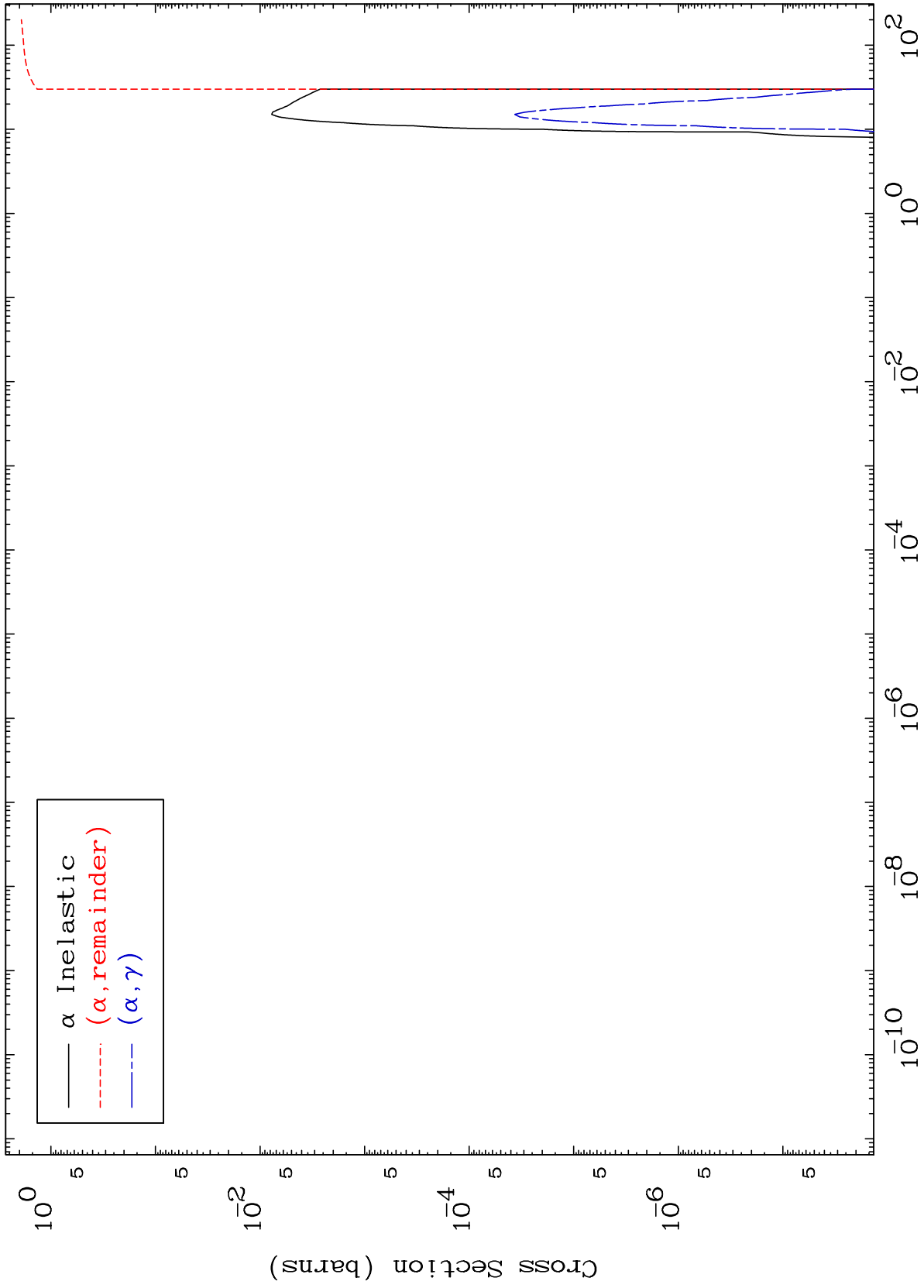
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4299

0 Kelvin  $\alpha$  Major

43-Tc-90



1

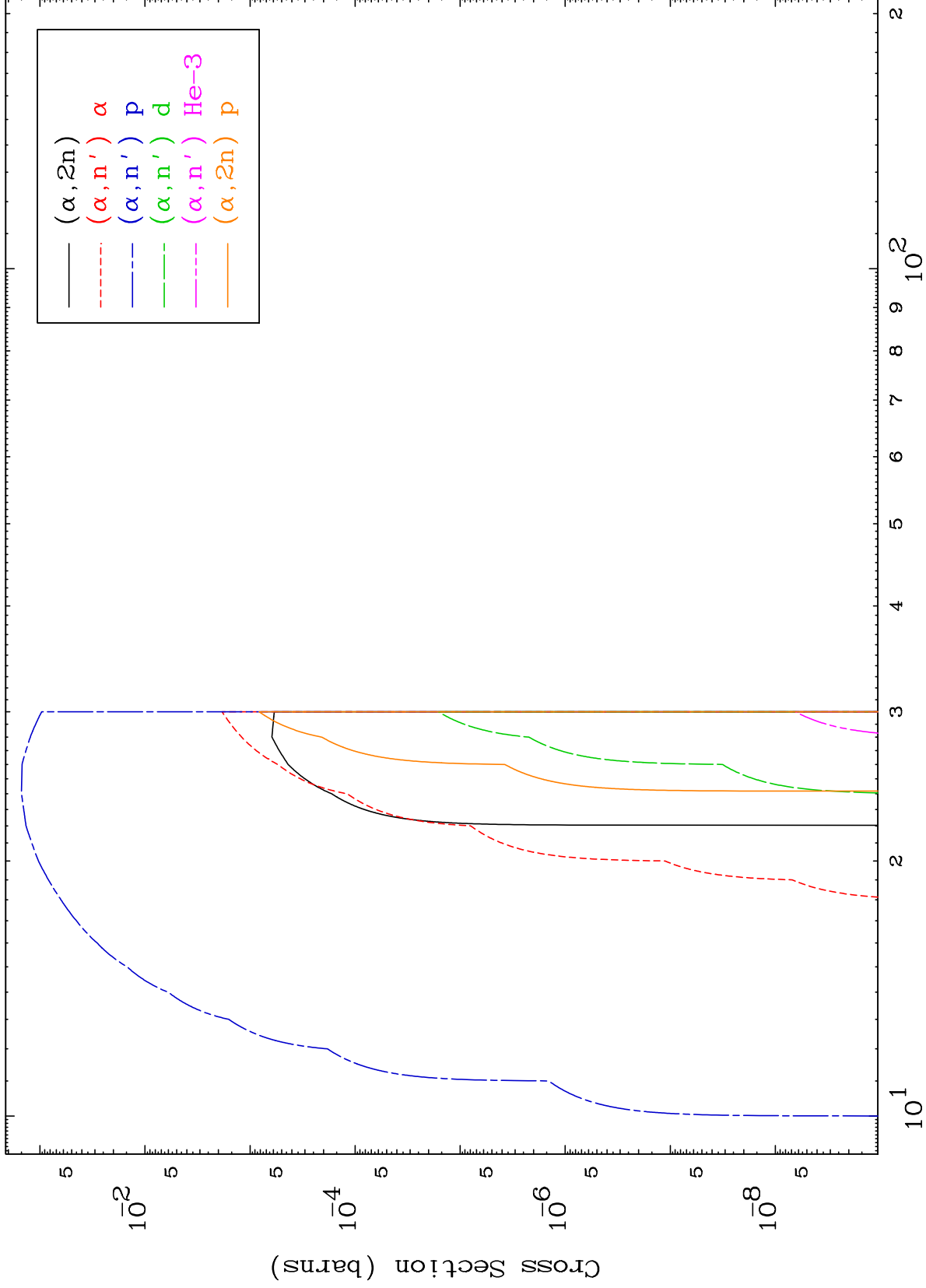
Incident Energy (MeV)

43-Tc-90

MAT 4299

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

43-Tc-90



2

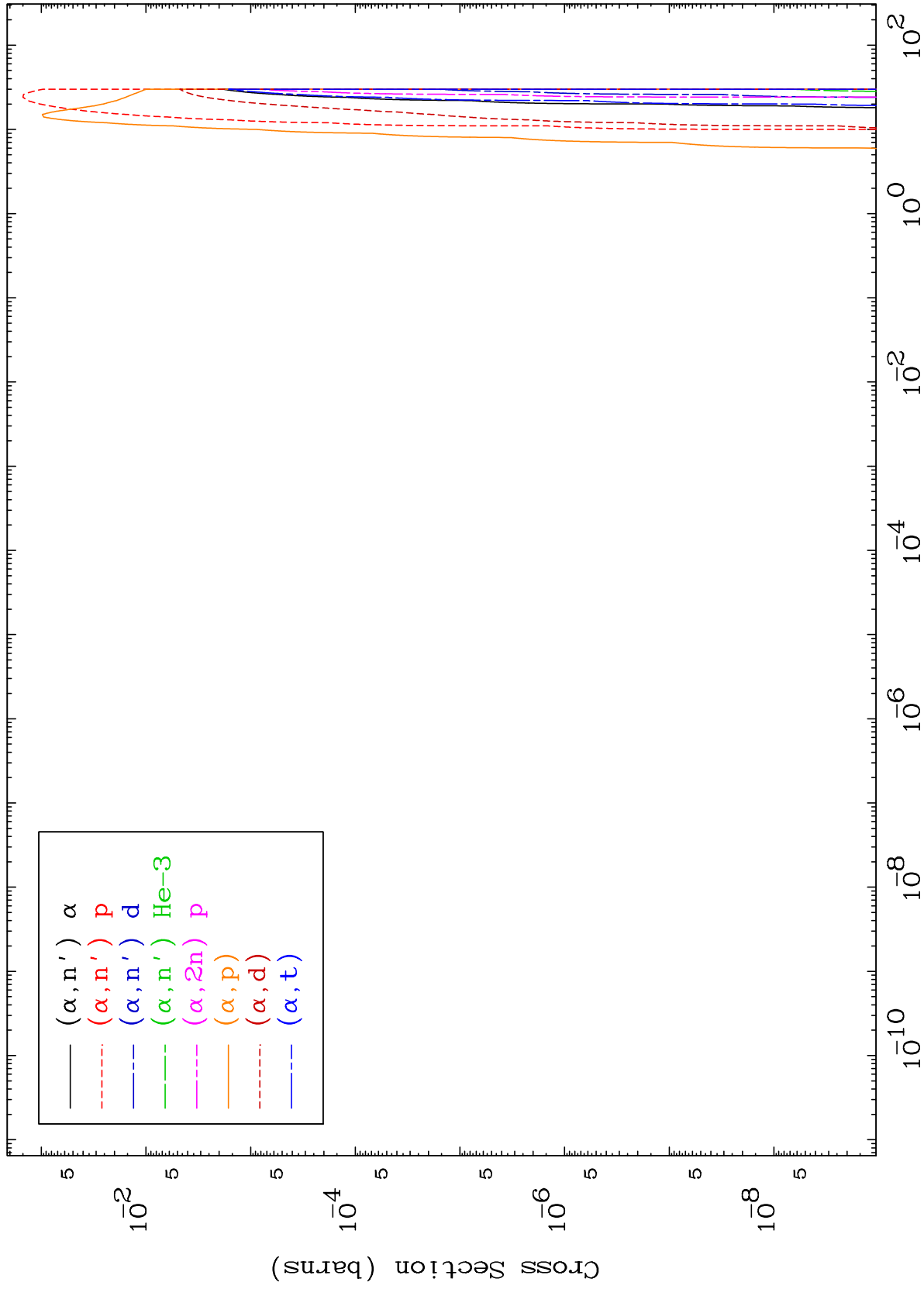
Incident Energy (MeV)

43-Tc-90

MAT 4299

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

43-Tc-90



3

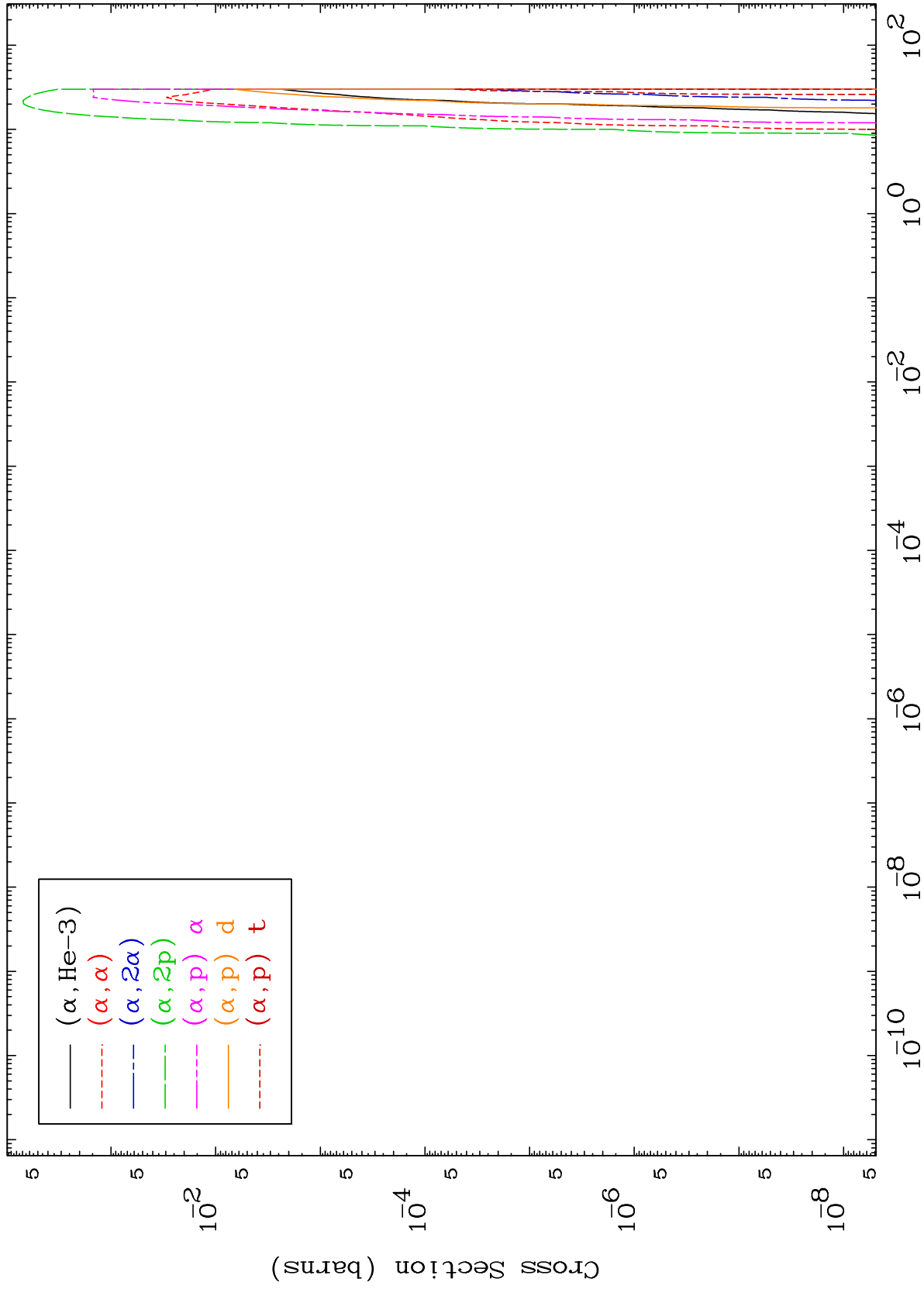
Incident Energy (MeV)

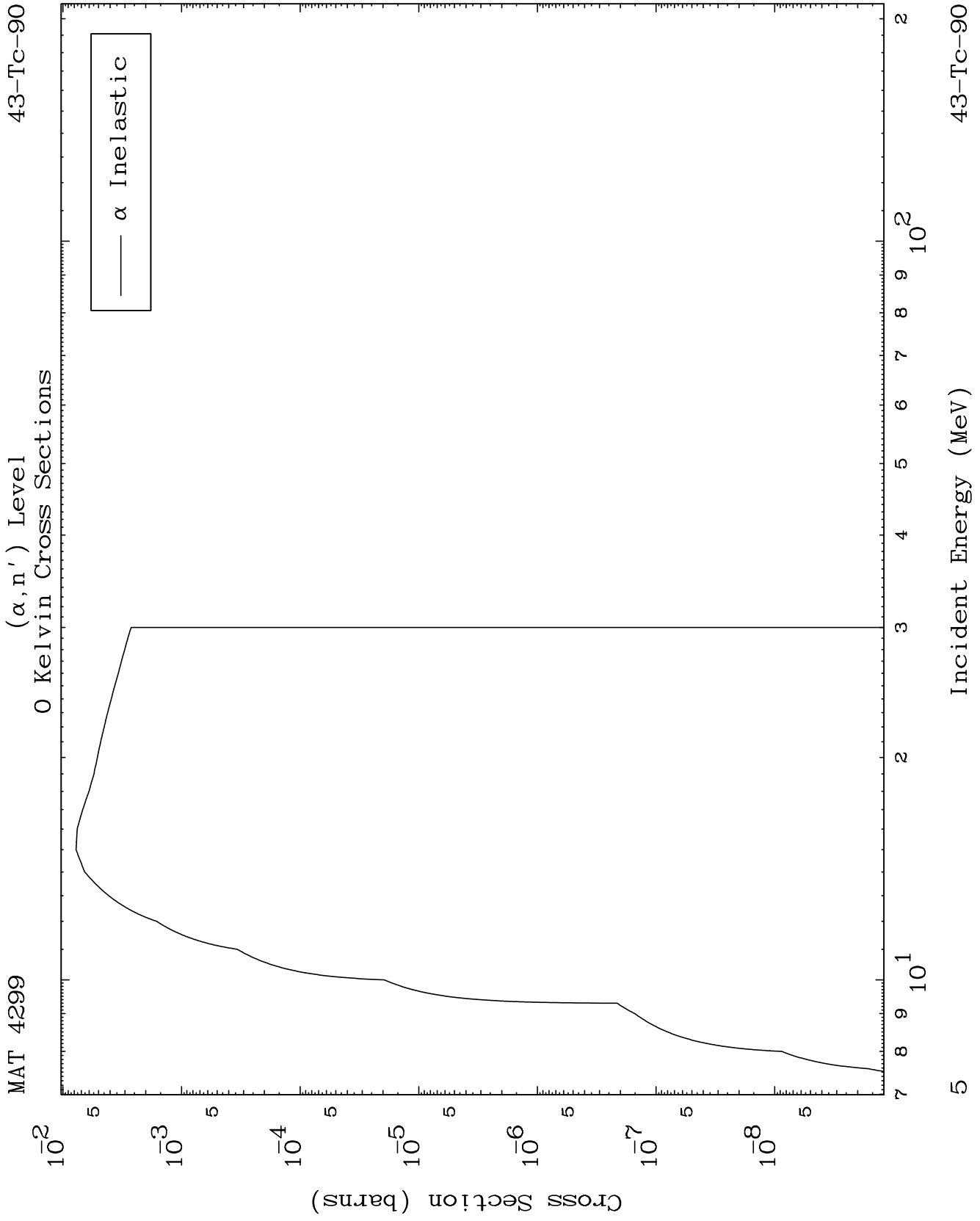
43-Tc-90

MAT 4299

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

43-Tc-90

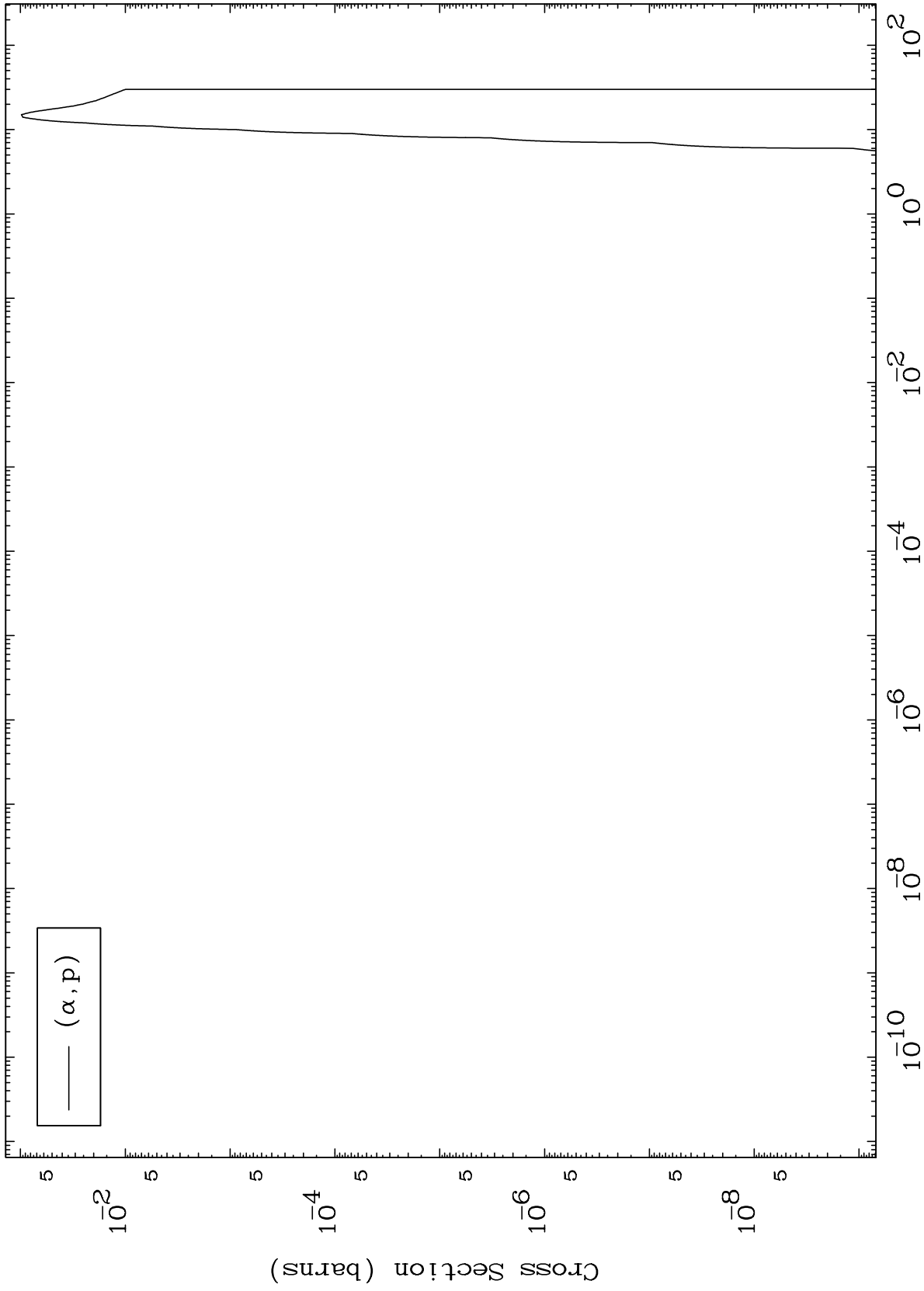




MAT 4299

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

43-Tc-90



6

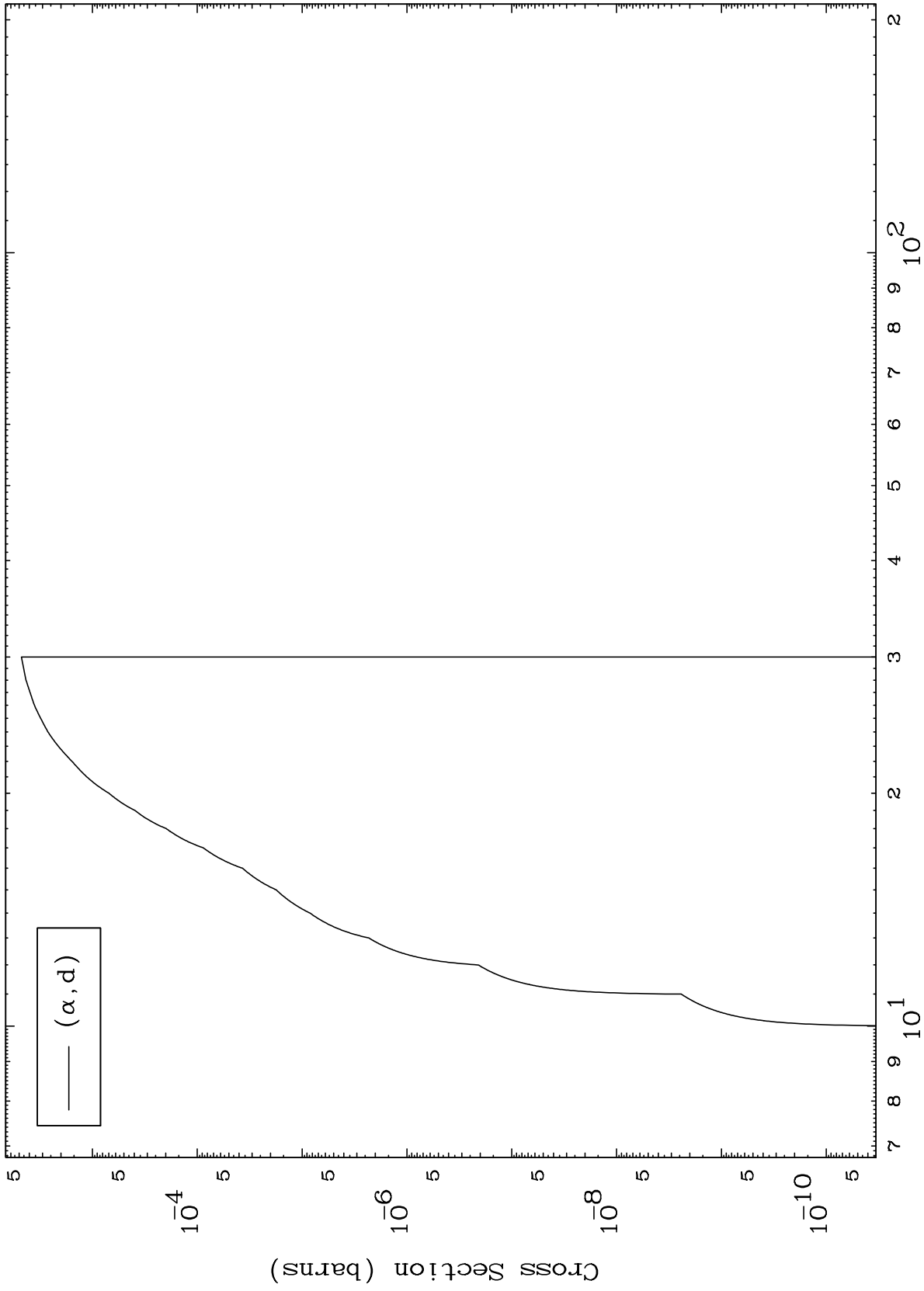
Incident Energy (MeV)

43-Tc-90

MAT 4299

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

43-Tc-90



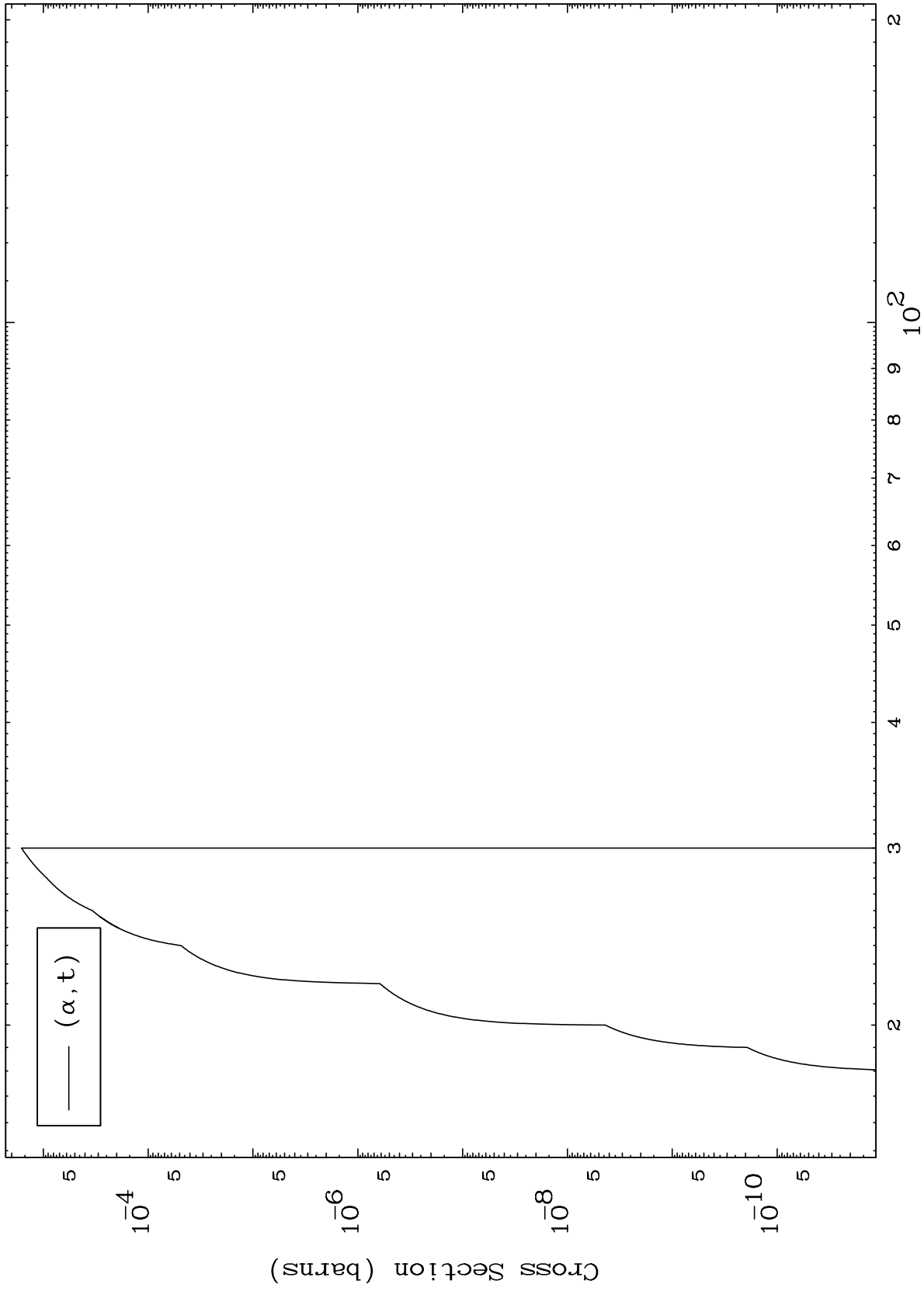
7



MAT 4299

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

43-Tc-90



8

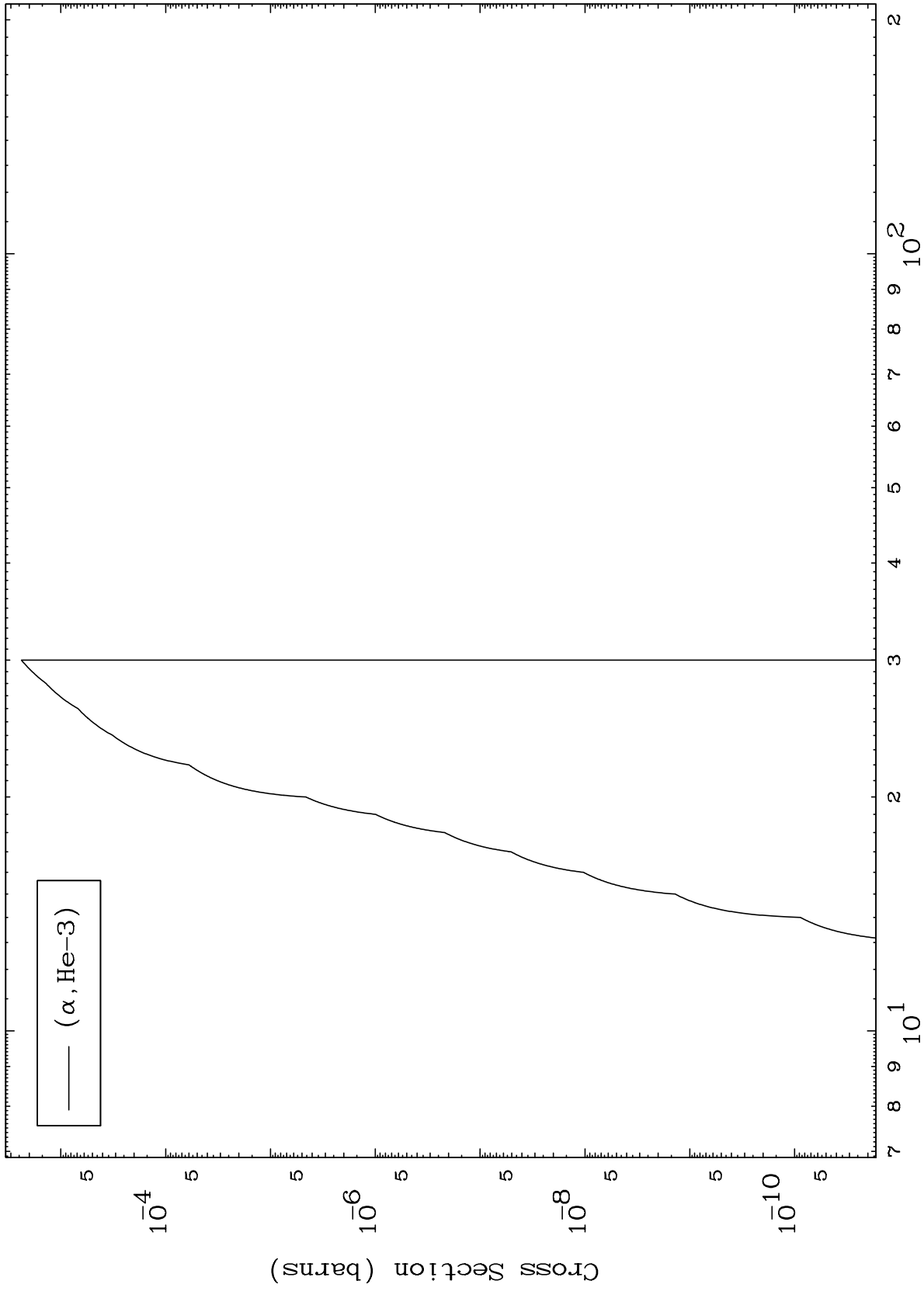
Incident Energy (MeV)

43-Tc-90

MAT 4299

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

43-Tc-90



9

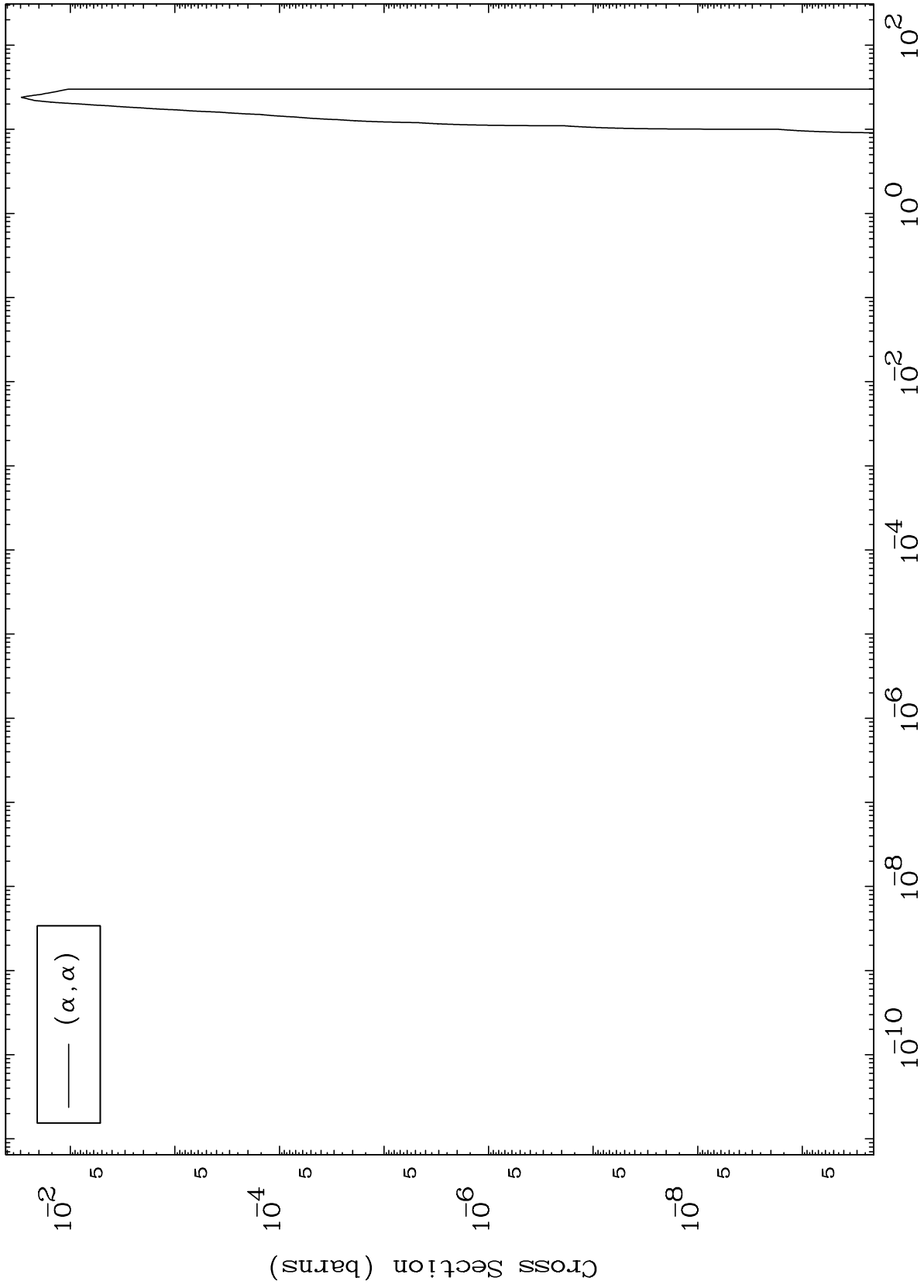
Incident Energy (MeV)

43-Tc-90

MAT 4299

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

43-Tc-90



10

Incident Energy (MeV)

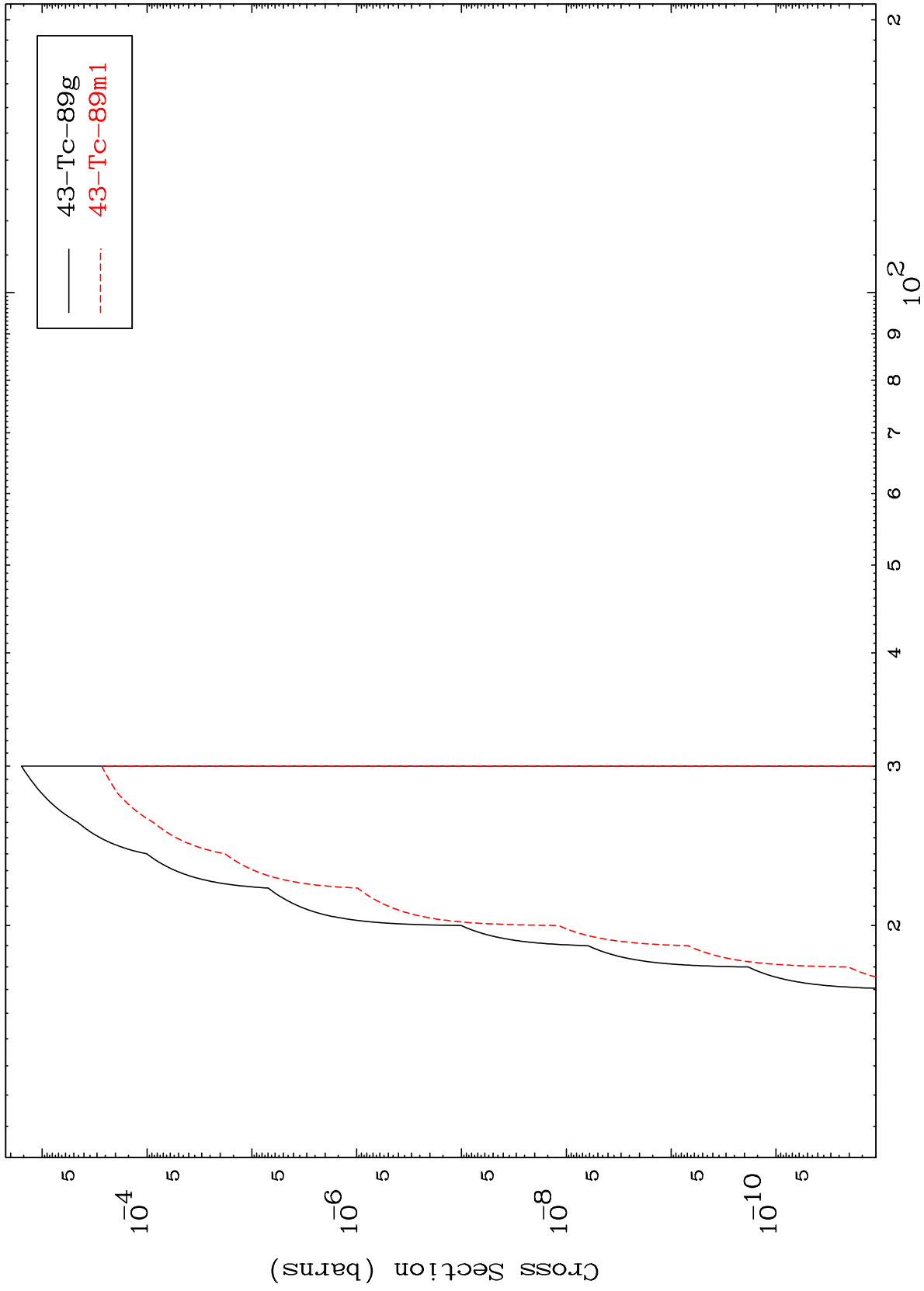
43-Tc-90

MAT 4299

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

43-Tc-90

Radionuclide Production Cross Section

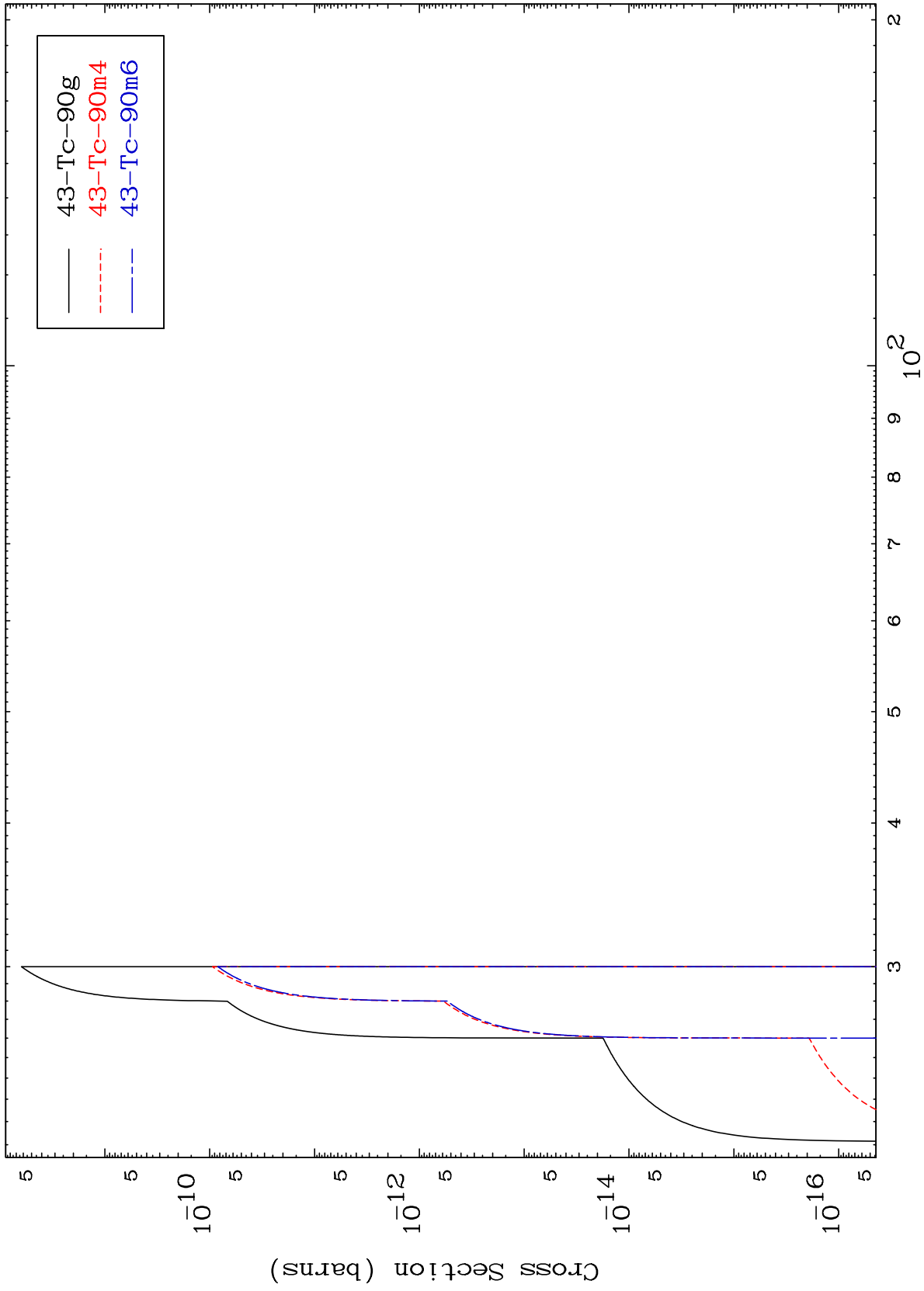


MAT 4299

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

43-Tc-90

Radionuclide Production Cross Section



12

Incident Energy (MeV)

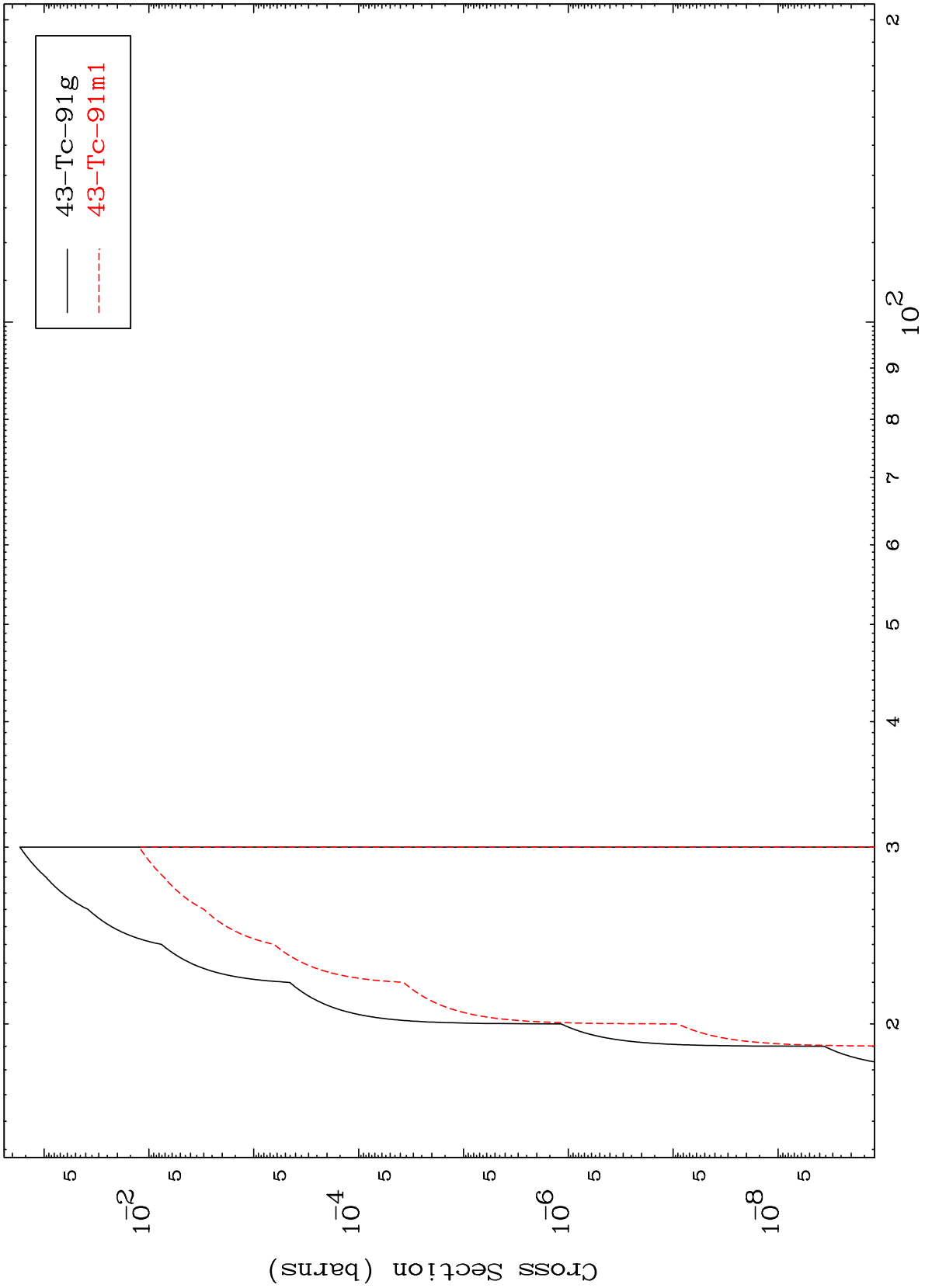
43-Tc-90

MAT 4299

( $\alpha, 2n$ ) p

<sup>43</sup>Tc-90

Radionuclide Production Cross Section



— 43-Tc-91g  
- - - 43-Tc-91m1

13

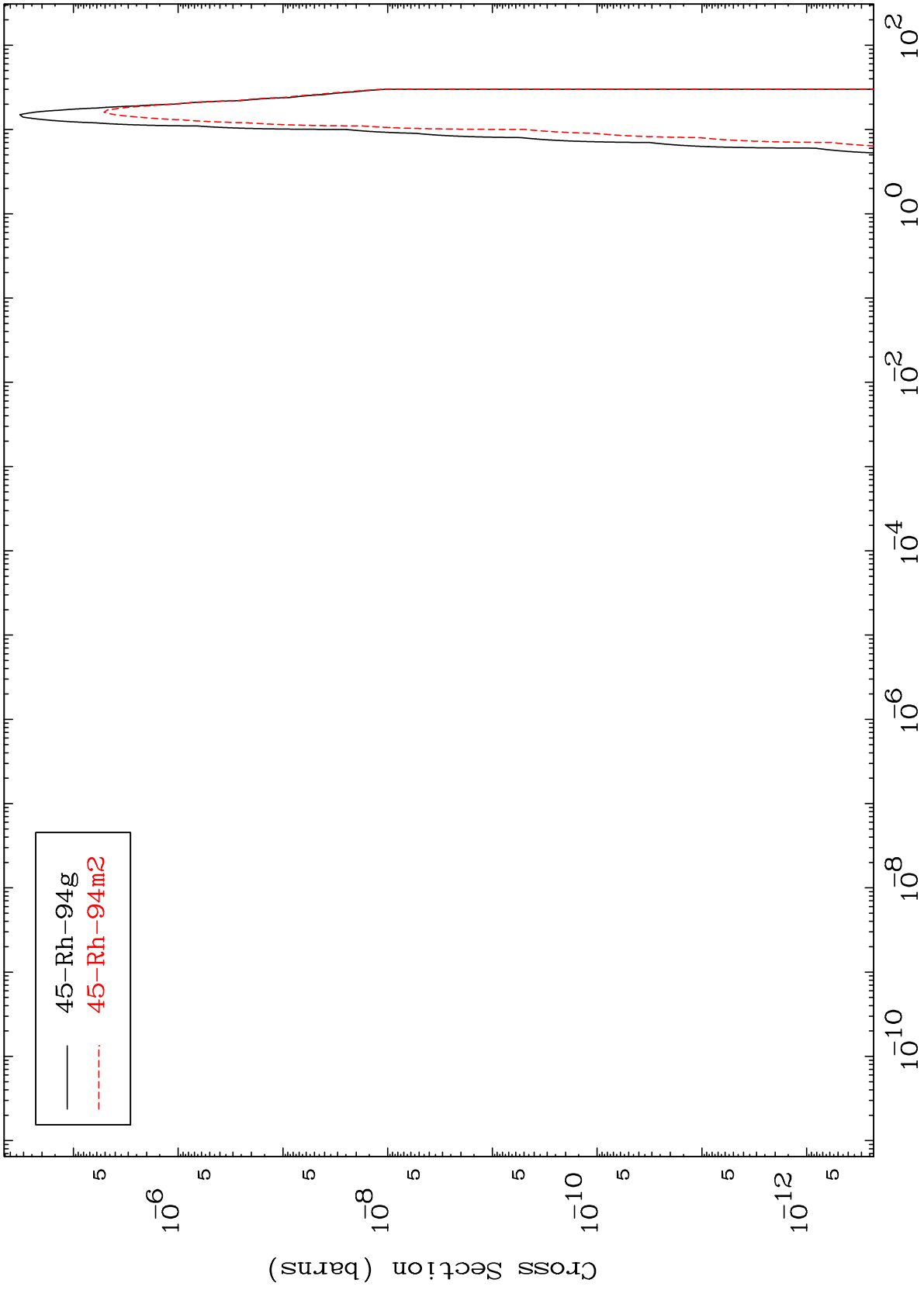
Incident Energy (MeV)

<sup>43</sup>Tc-90

MAT 4299

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

43-Tc-90

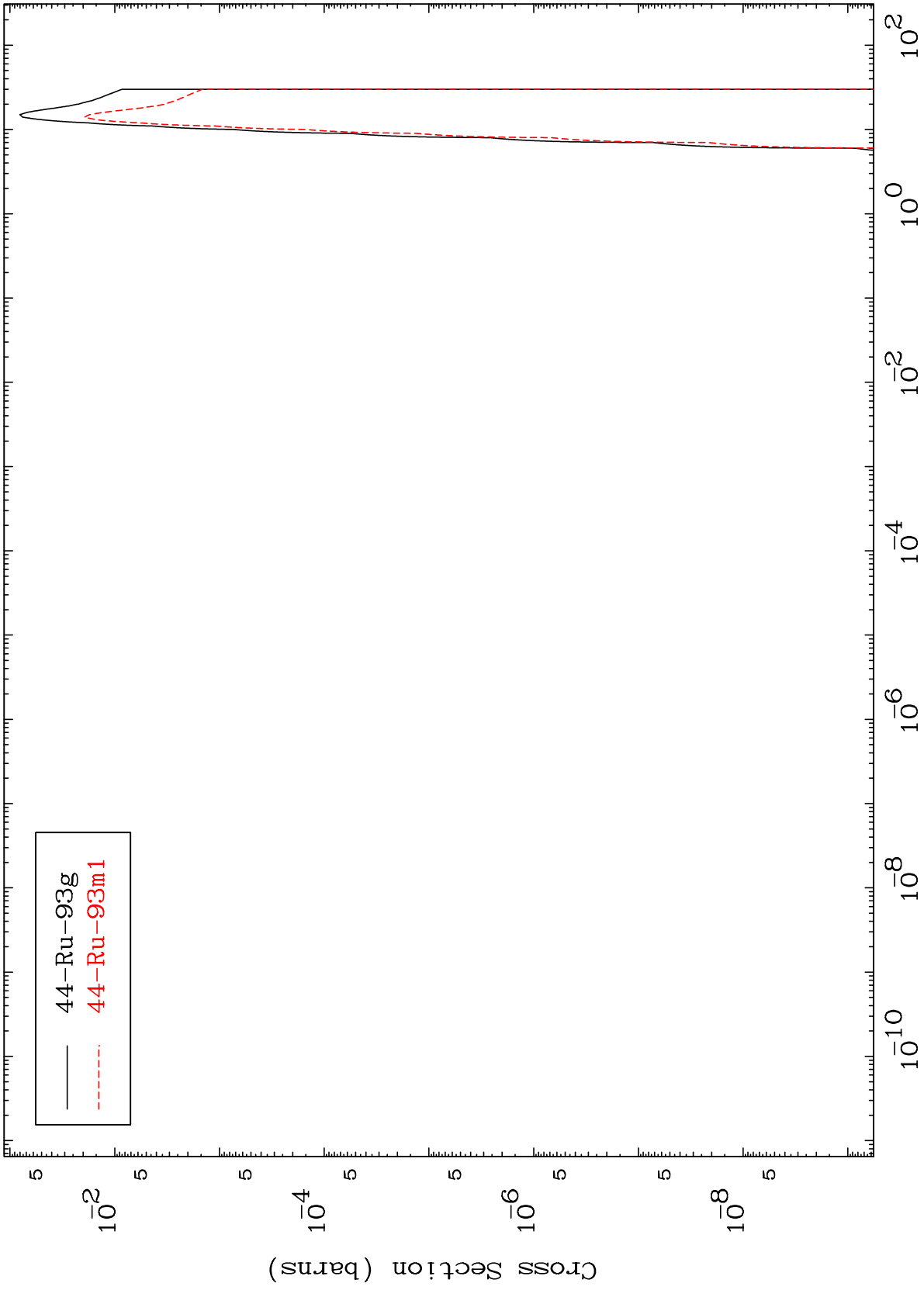


43-Tc-90

MAT 4299

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

$^{43}\text{Tc-90}$



15

Incident Energy (MeV)

$^{43}\text{Tc-90}$

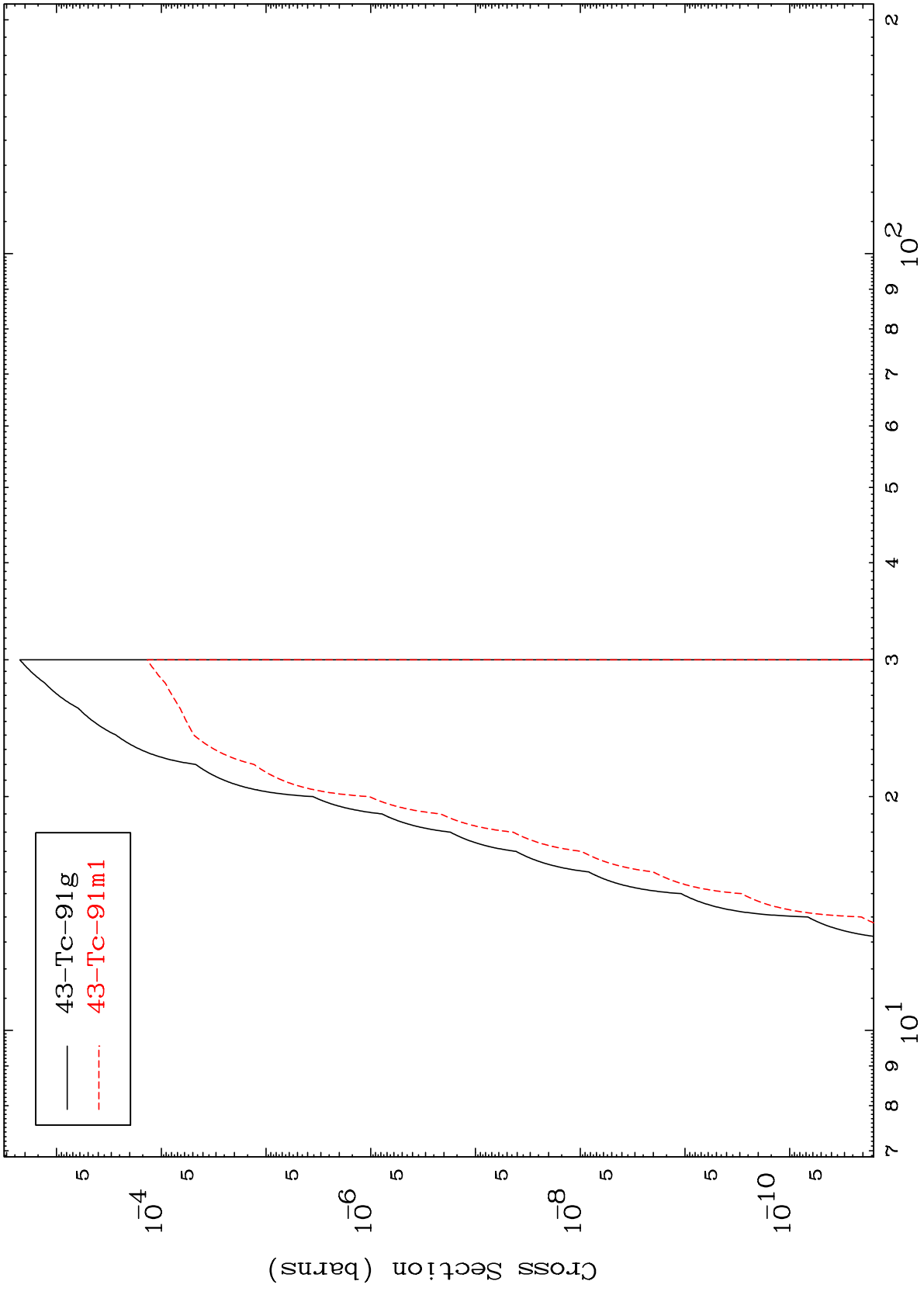


MAT 4299

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

<sup>43</sup>Tc-90

Radionuclide Production Cross Section



— 43-Tc-91g  
- - - 43-Tc-91m1

16

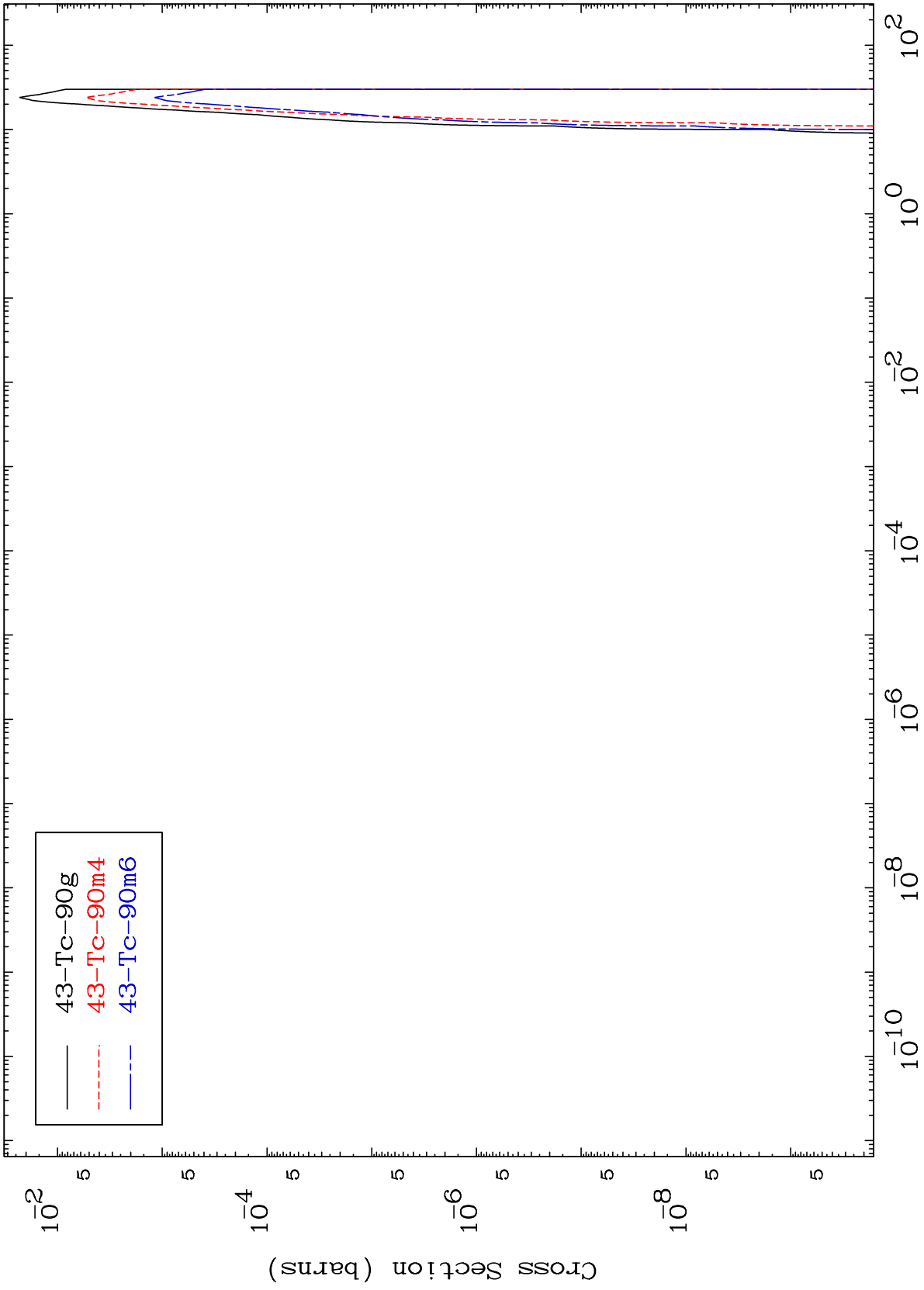
Incident Energy (MeV)

<sup>43</sup>Tc-90

MAT 4299

<sup>43</sup>Tc-90

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



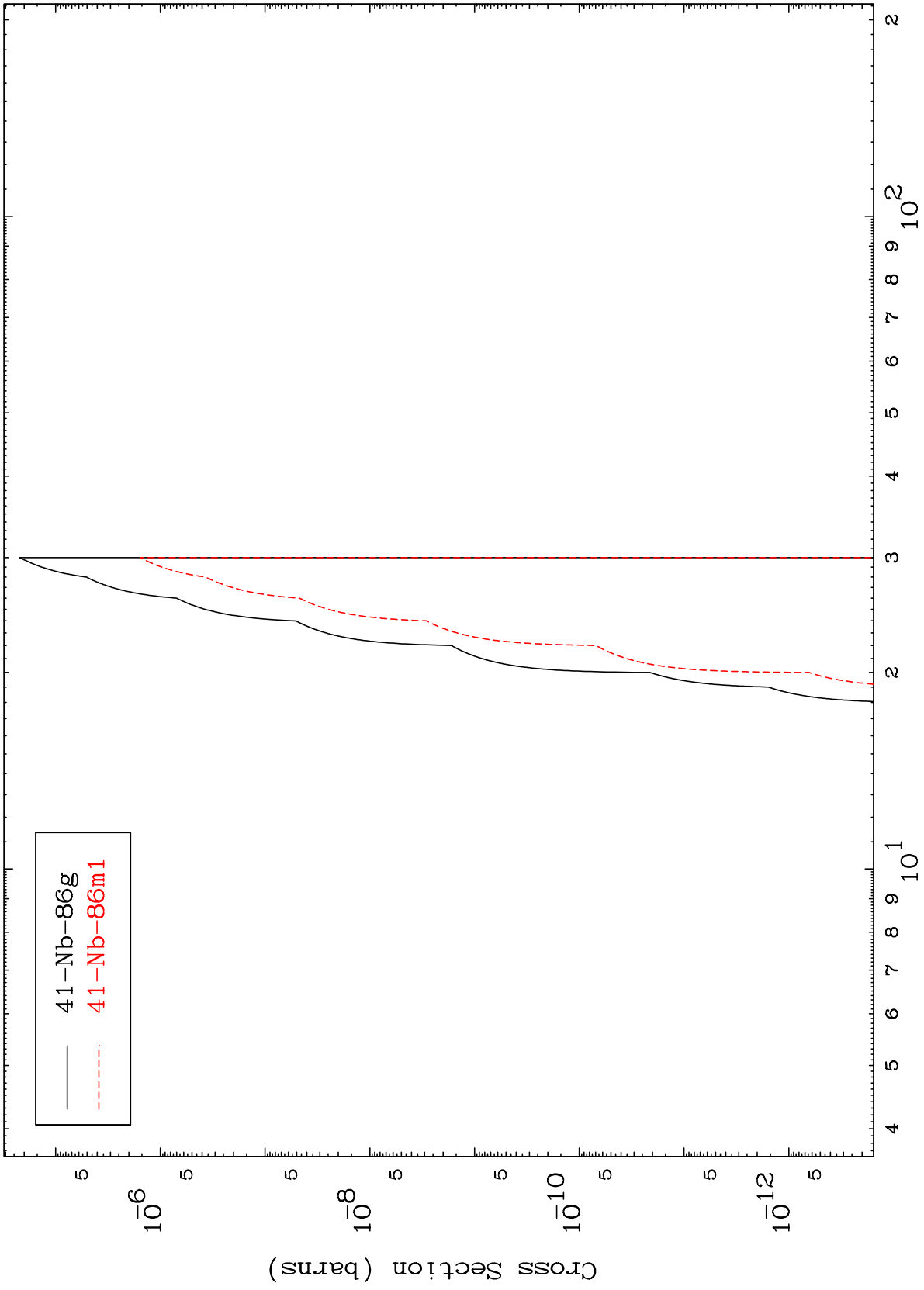
17

<sup>43</sup>Tc-90

MAT 4299

43-Tc-90

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



18

Incident Energy (MeV)

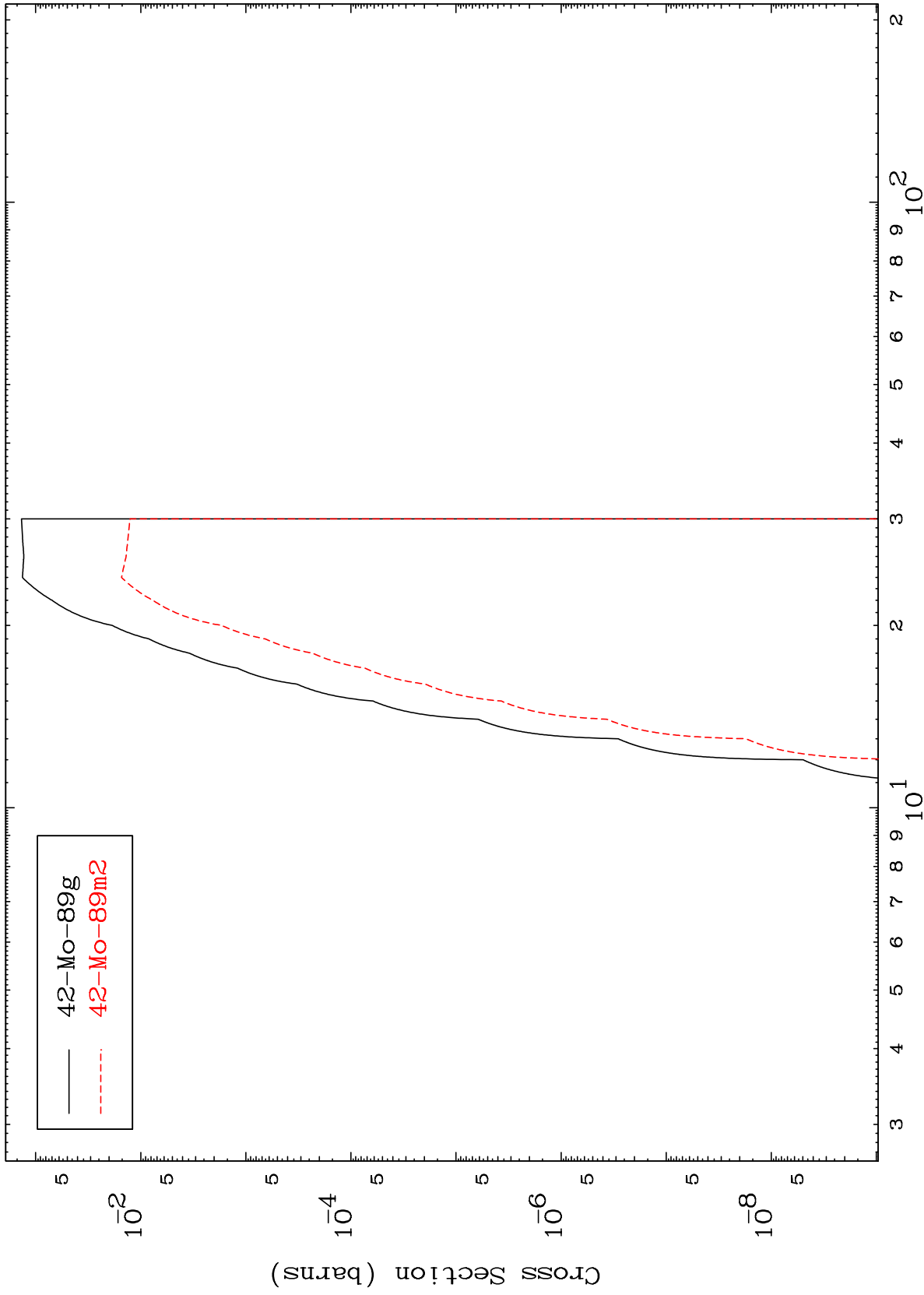
43-Tc-90

MAT 4299

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

43-Tc-90

Radionuclide Production Cross Section



19

Incident Energy (MeV)

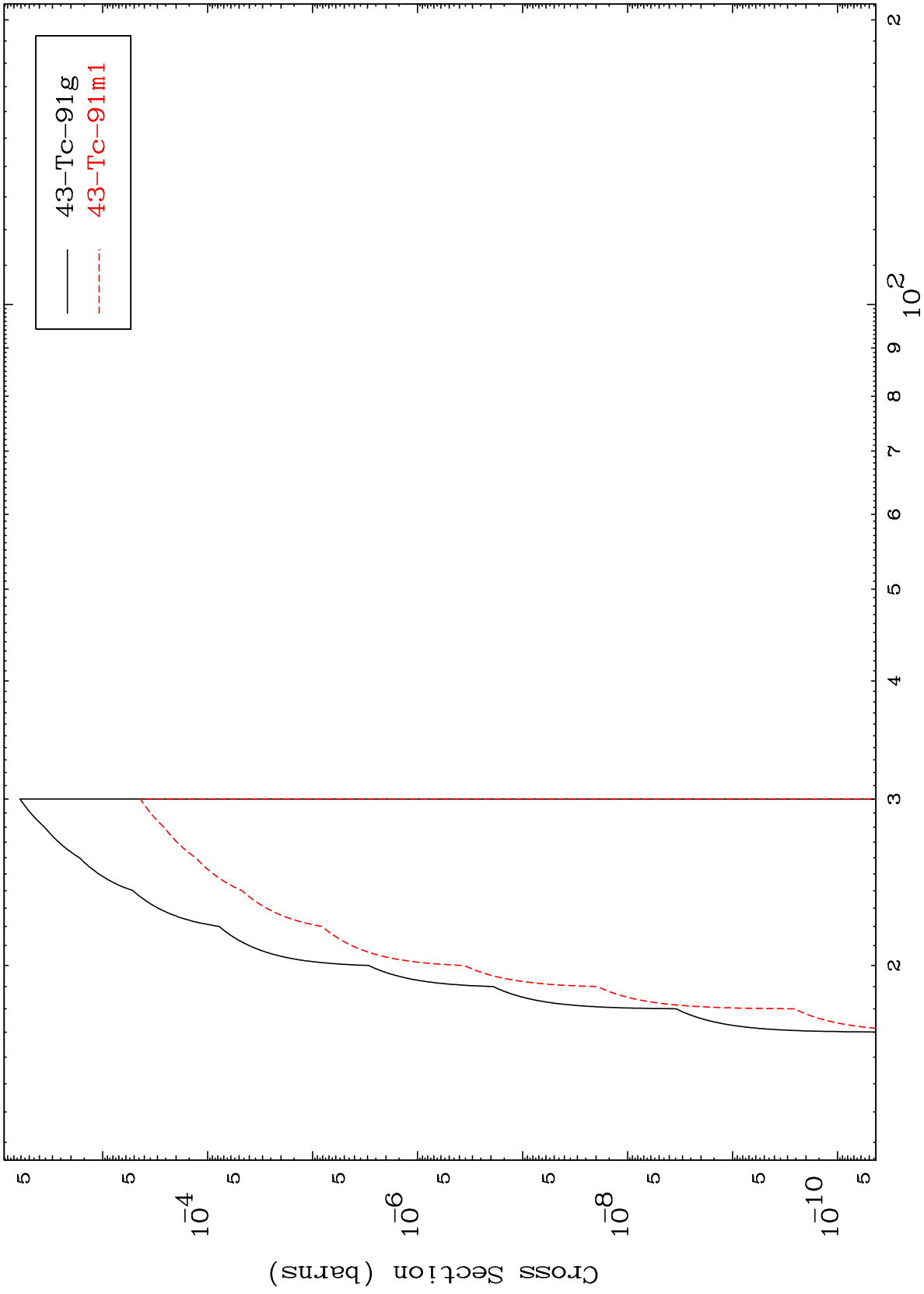
43-Tc-90

MAT 4299

( $\alpha, p$ ) d

<sup>43</sup>Tc-90

Radionuclide Production Cross Section



20

Incident Energy (MeV)

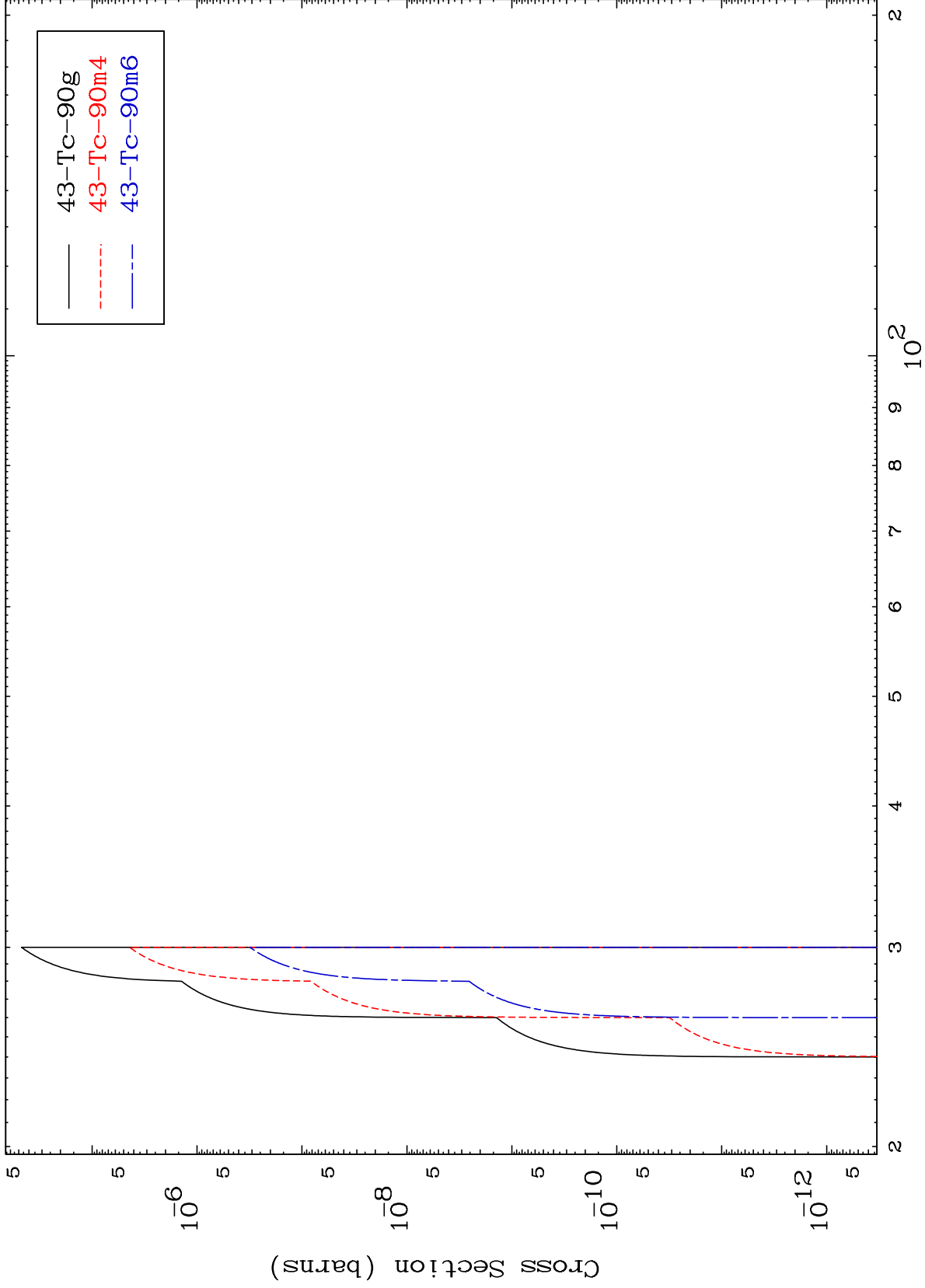
<sup>43</sup>Tc-90

MAT 4299

( $\alpha, p$ ) t

<sup>43</sup>Tc-90

Radionuclide Production Cross Section



21

Incident Energy (MeV)

<sup>43</sup>Tc-90