

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

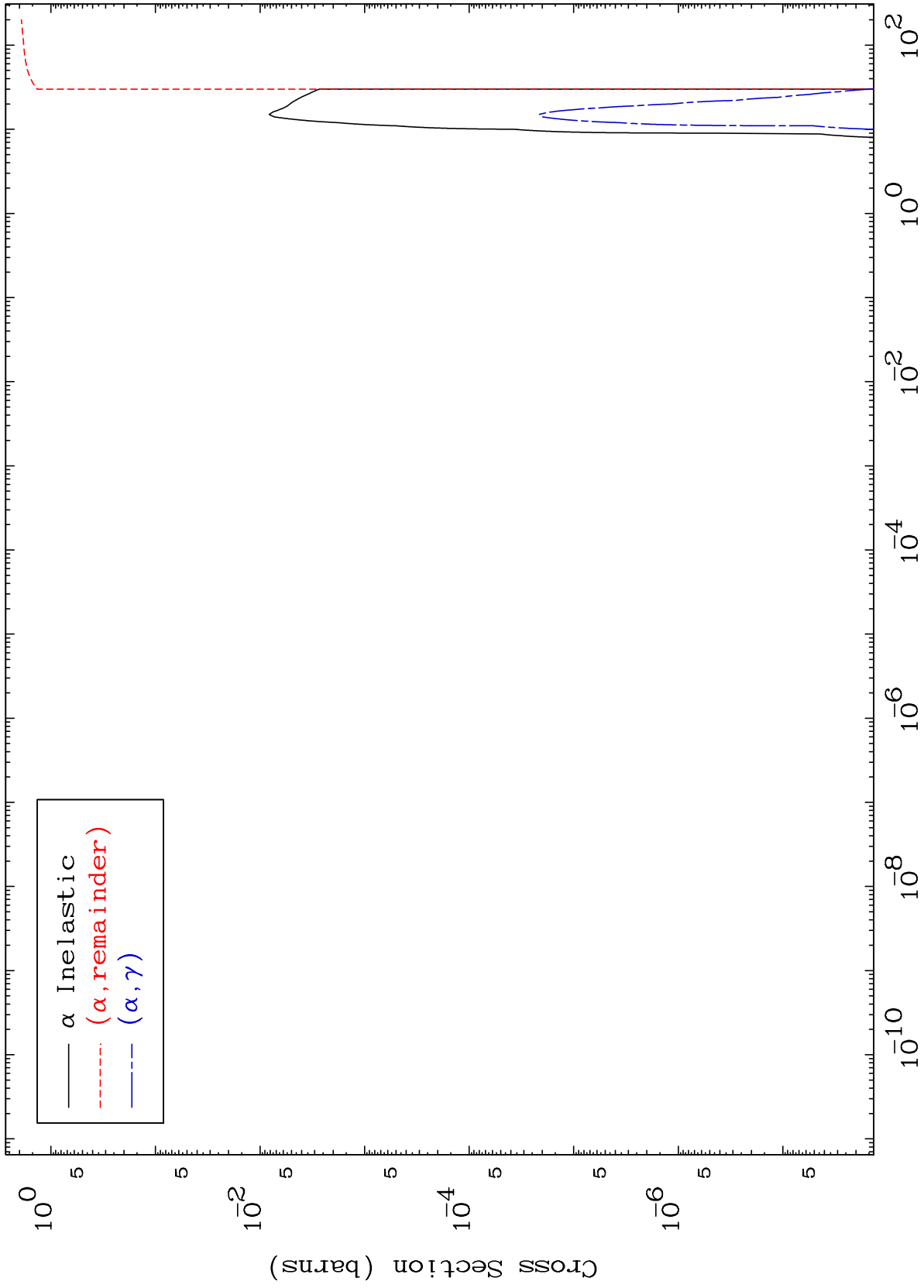
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4300

0 Kelvin  $\alpha$  Major

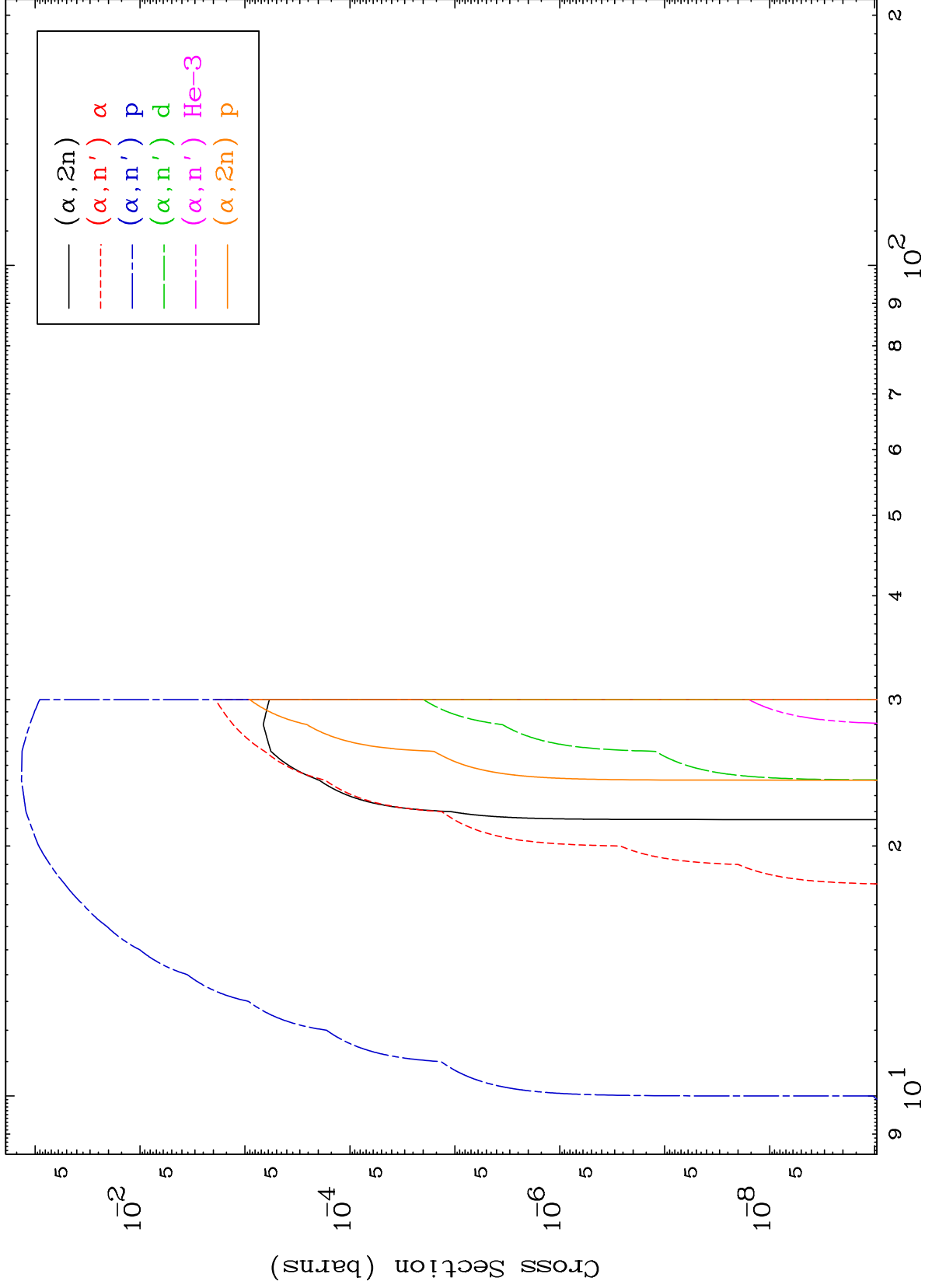
43-Tc-90



MAT 4300

$\alpha$  Neutron Production  
0 Kelvin Cross Sections

43-Tc-90



2

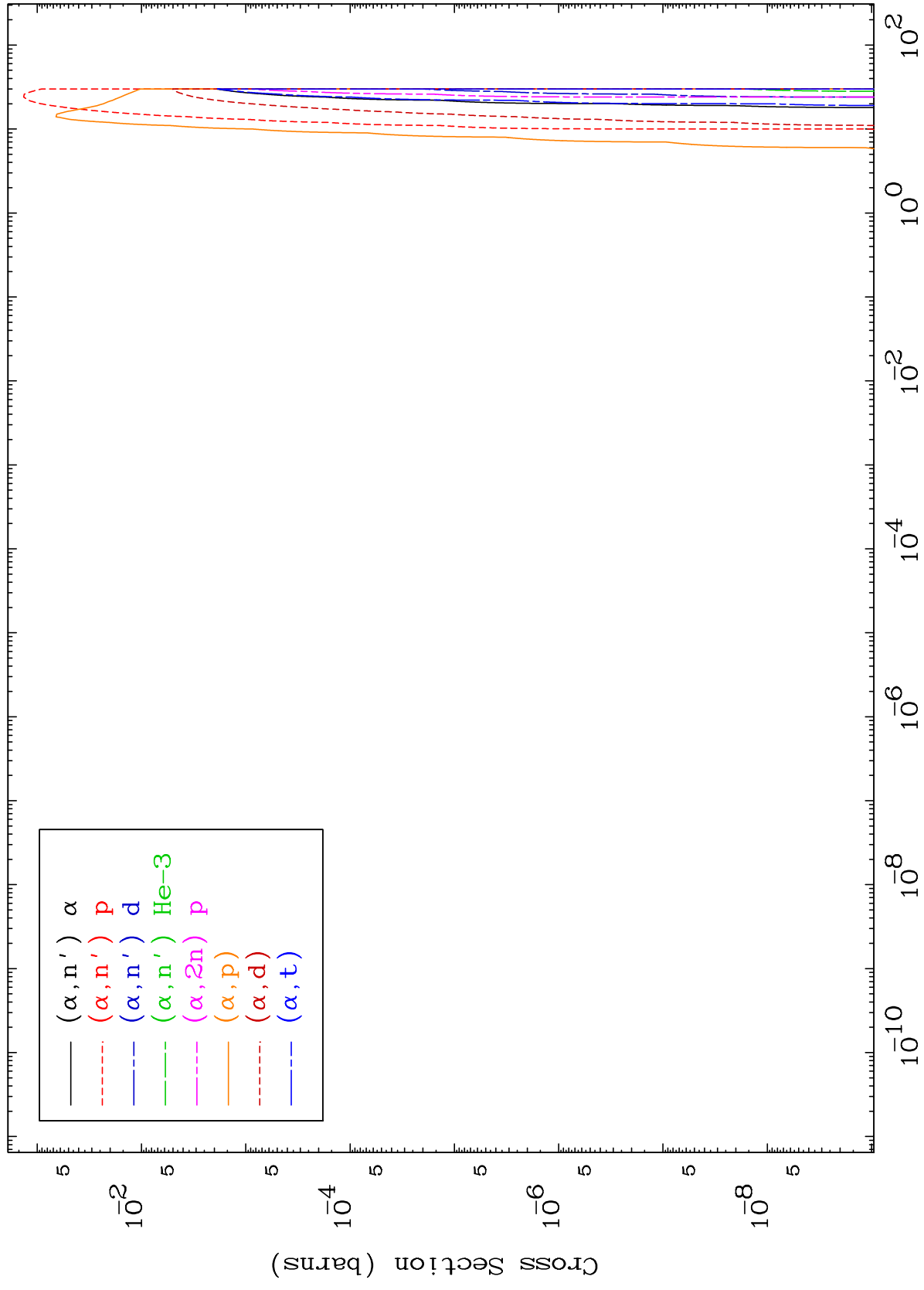
Incident Energy (MeV)

43-Tc-90

MAT 4300

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

43-Tc-90



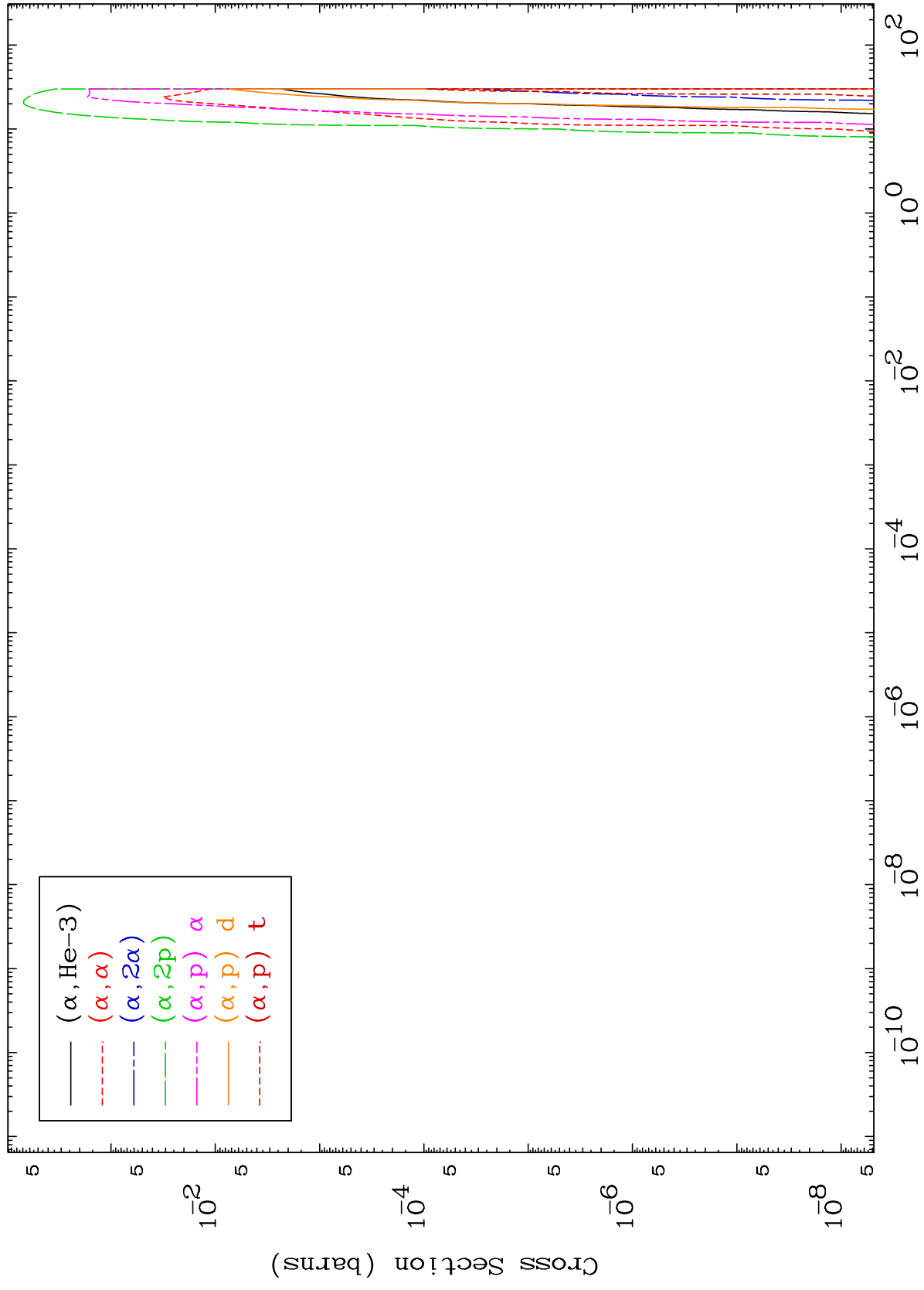
3

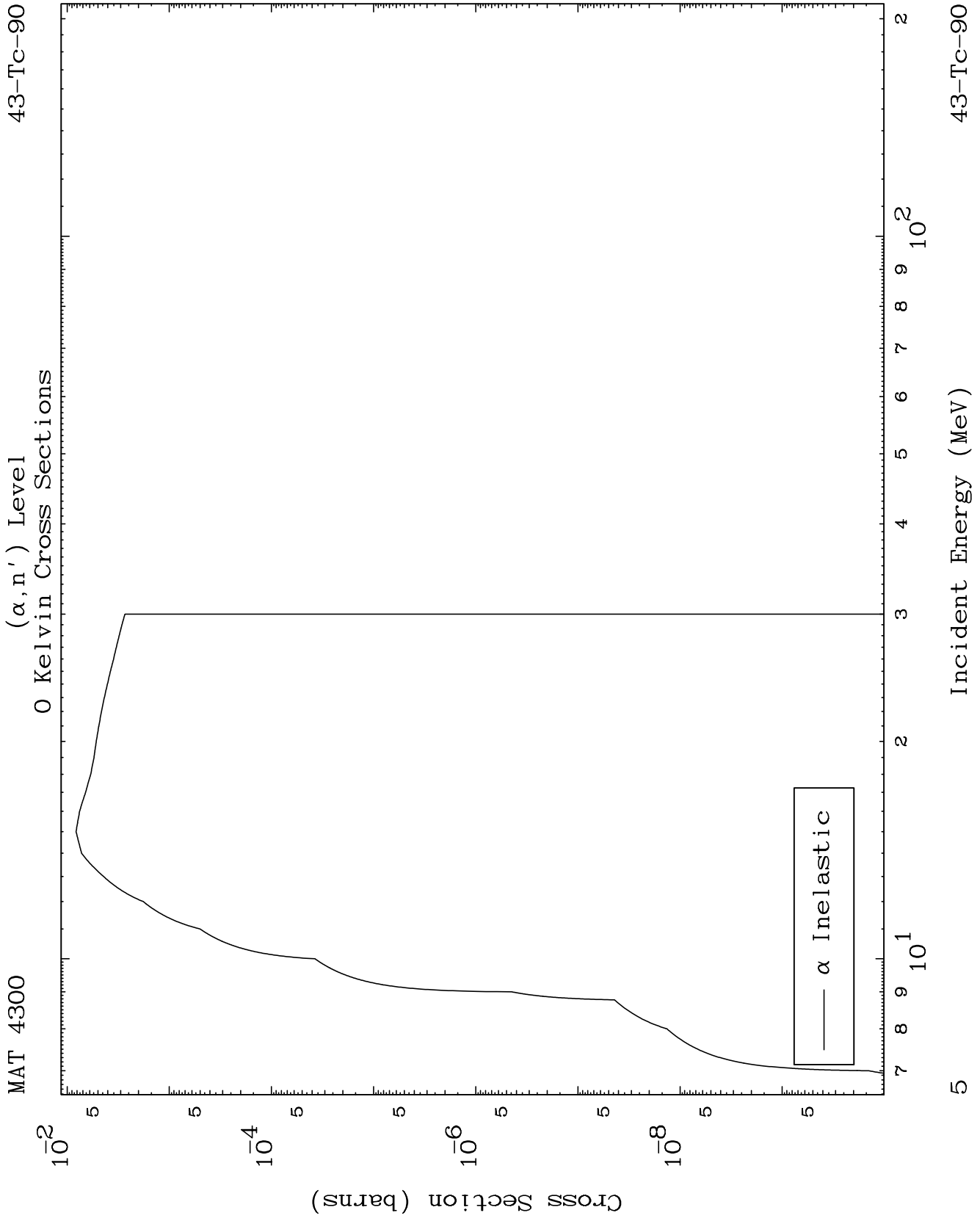
43-Tc-90

MAT 4300

$\alpha$  Charged Particle  
0 Kelvin Cross Sections

43-Tc-90

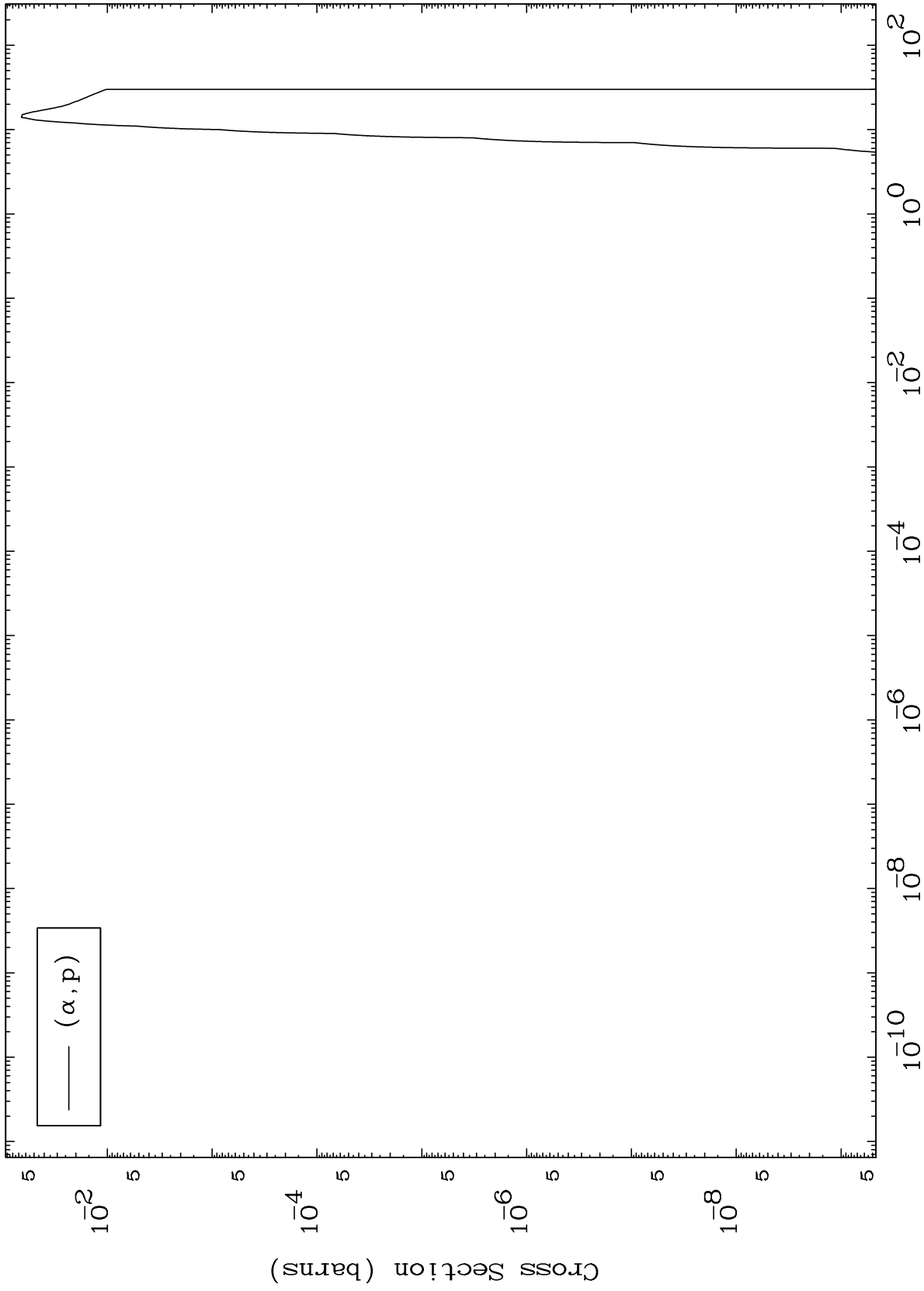




MAT 4300

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

43-Tc-90



6

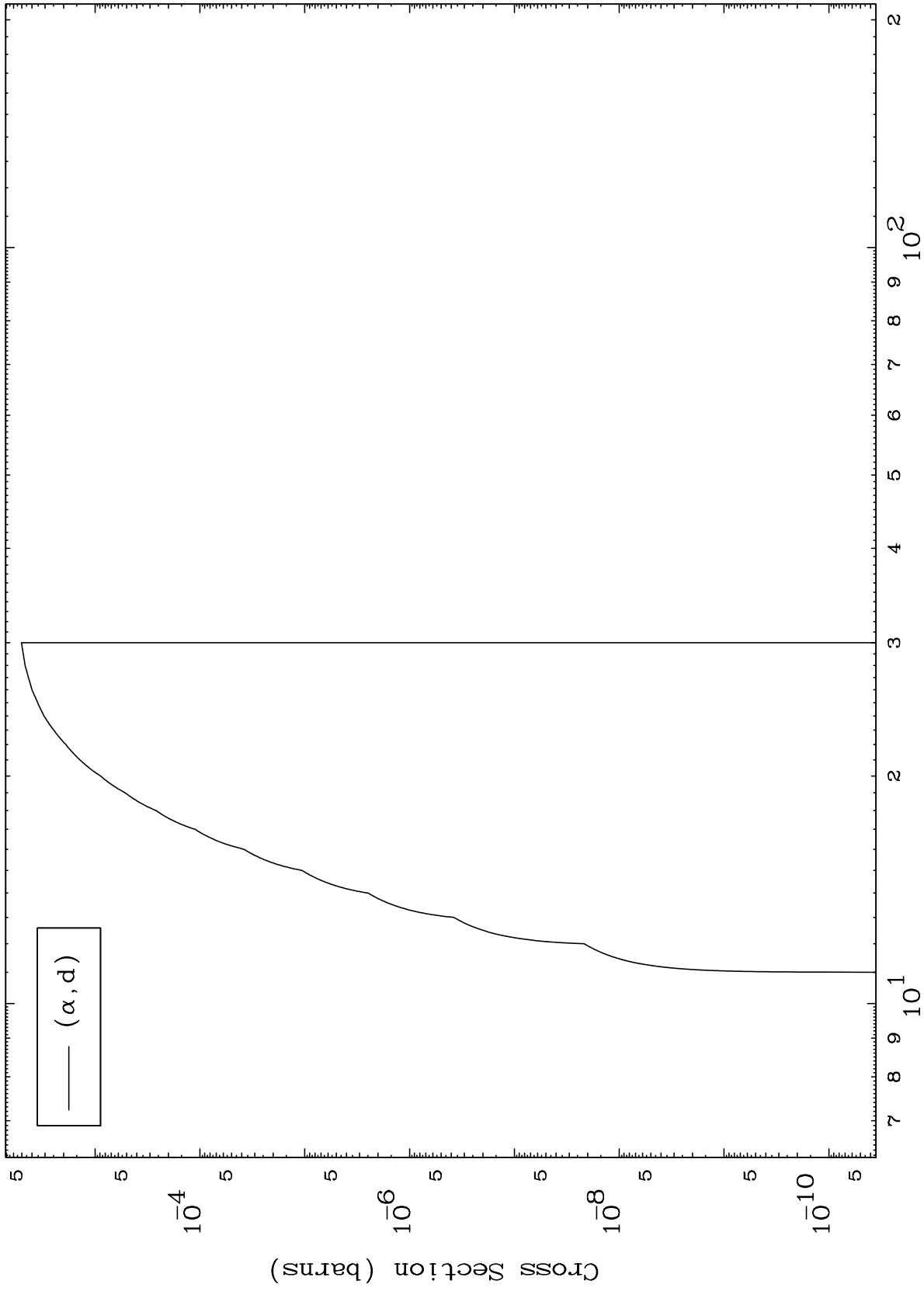
Incident Energy (MeV)

43-Tc-90

MAT 4300

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

43-Tc-90



7

Incident Energy (MeV)

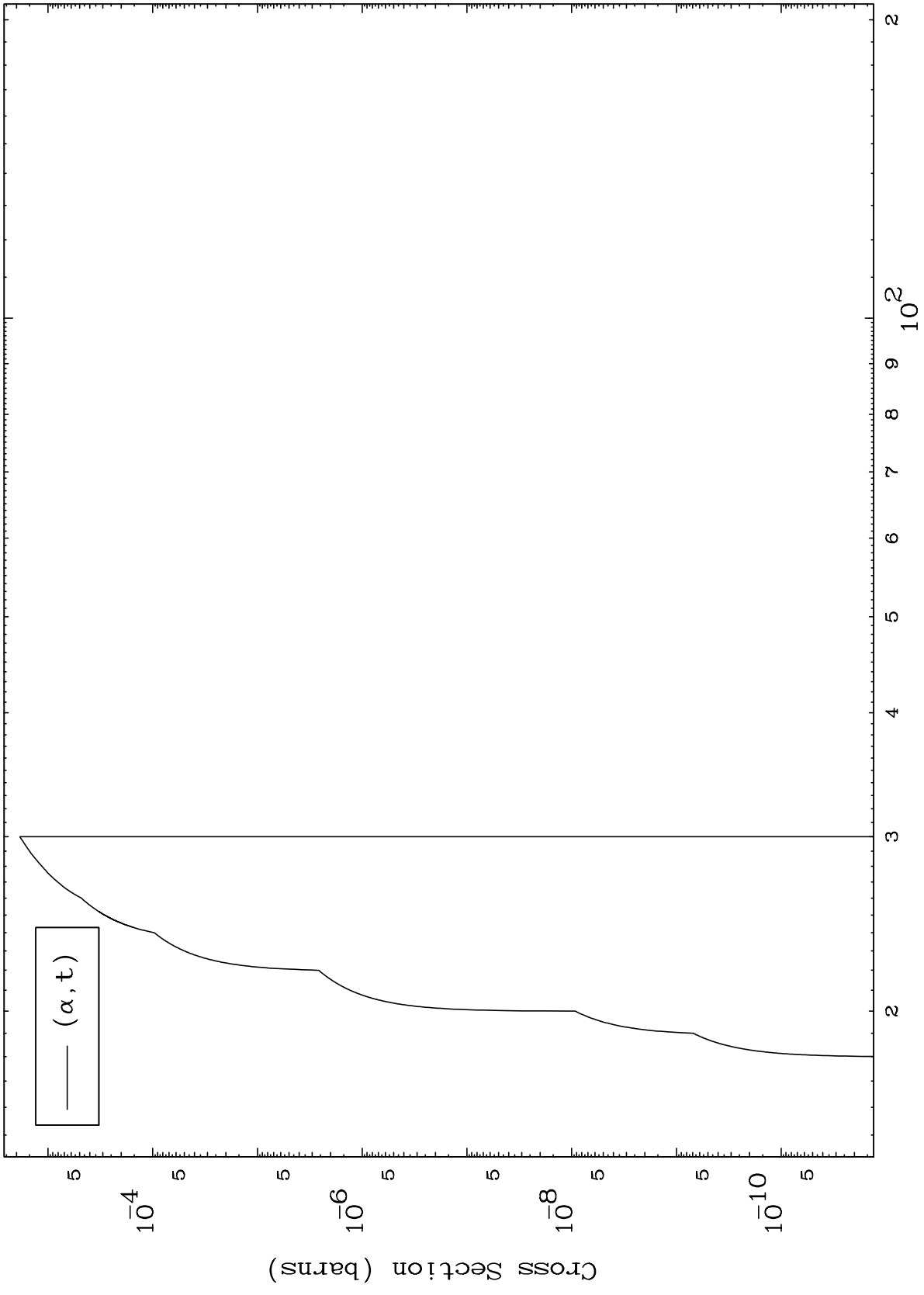
43-Tc-90



MAT 4300

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

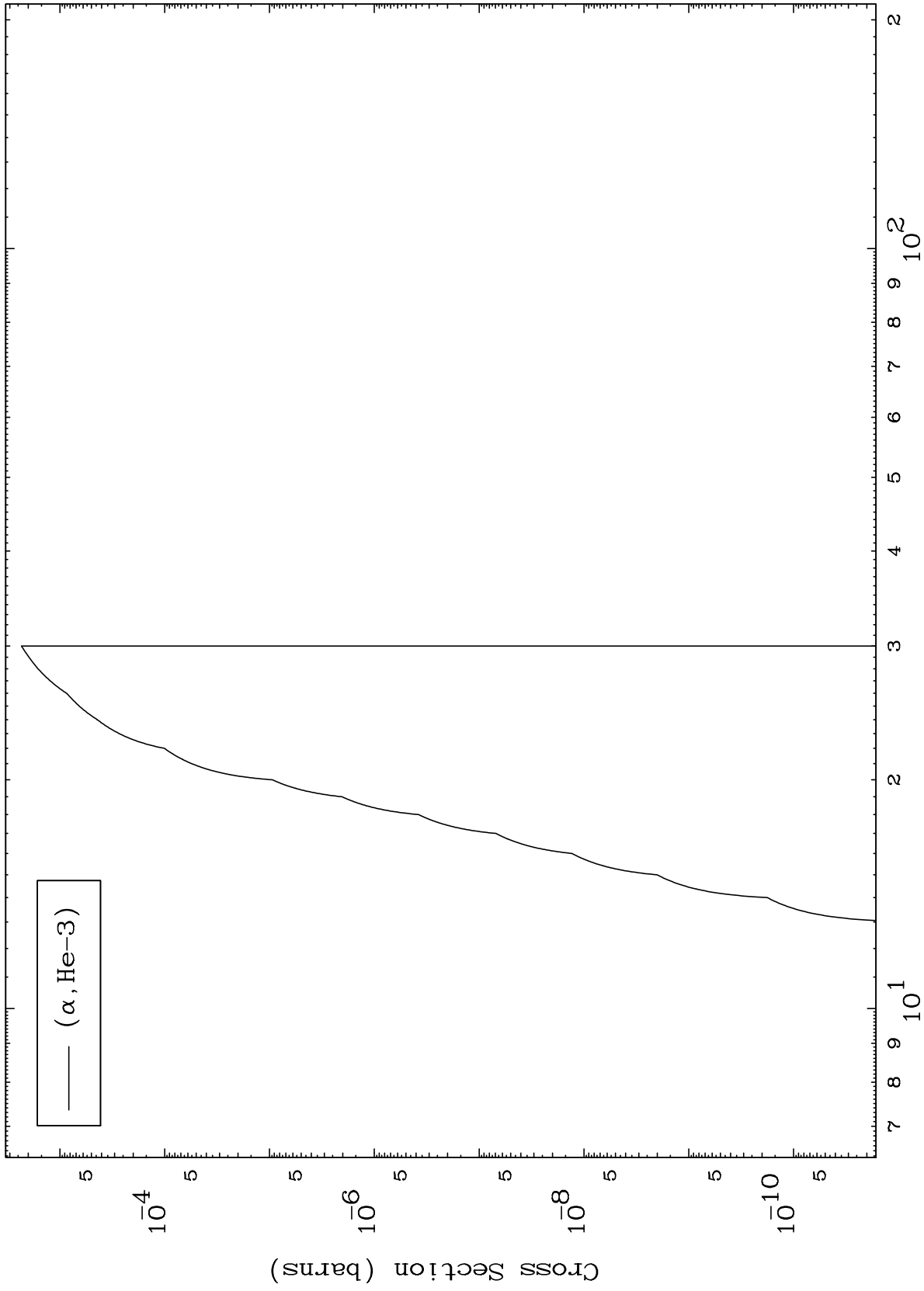
43-Tc-90



MAT 4300

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

43-Tc-90



9

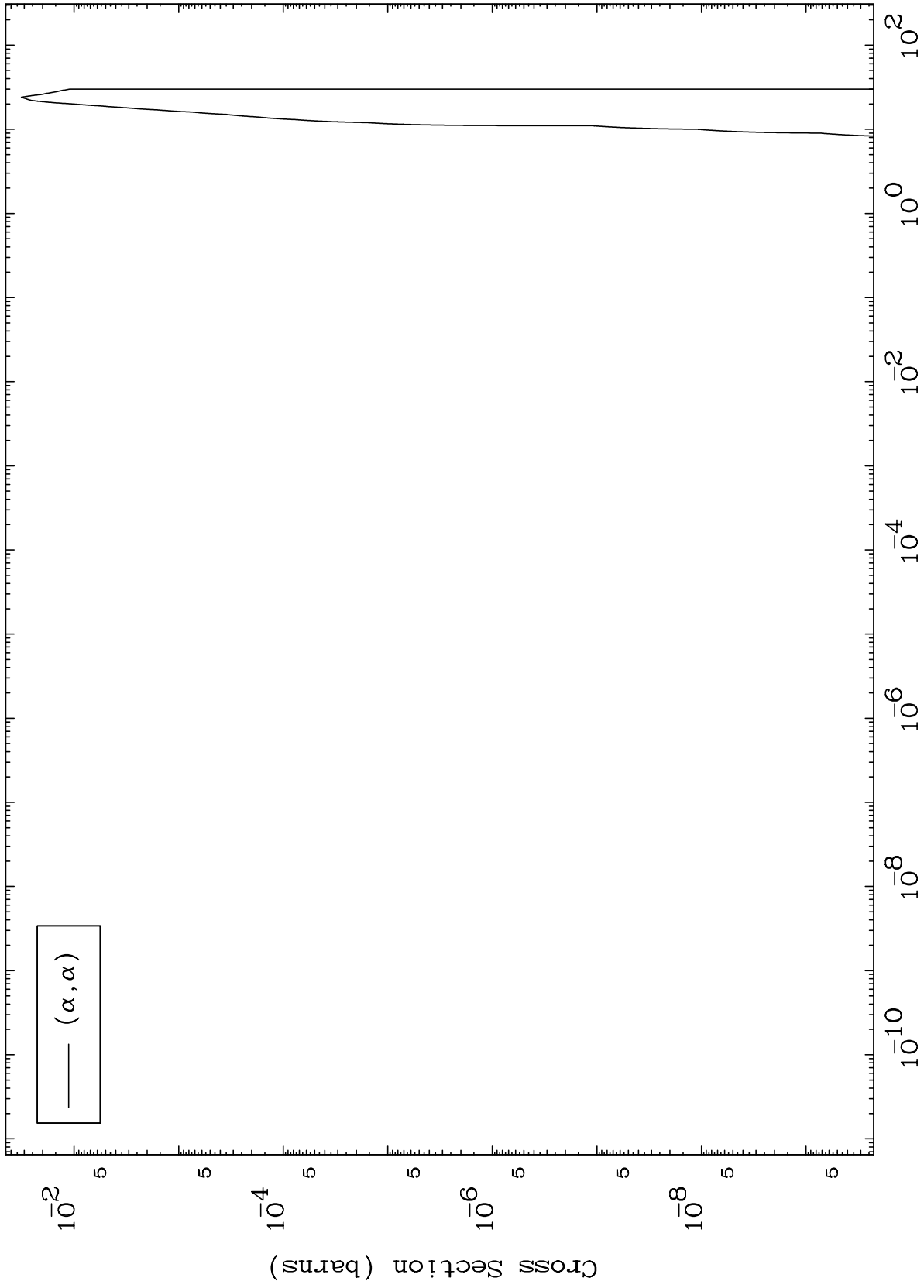
Incident Energy (MeV)

43-Tc-90

MAT 4300

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

43-Tc-90



10

Incident Energy (MeV)

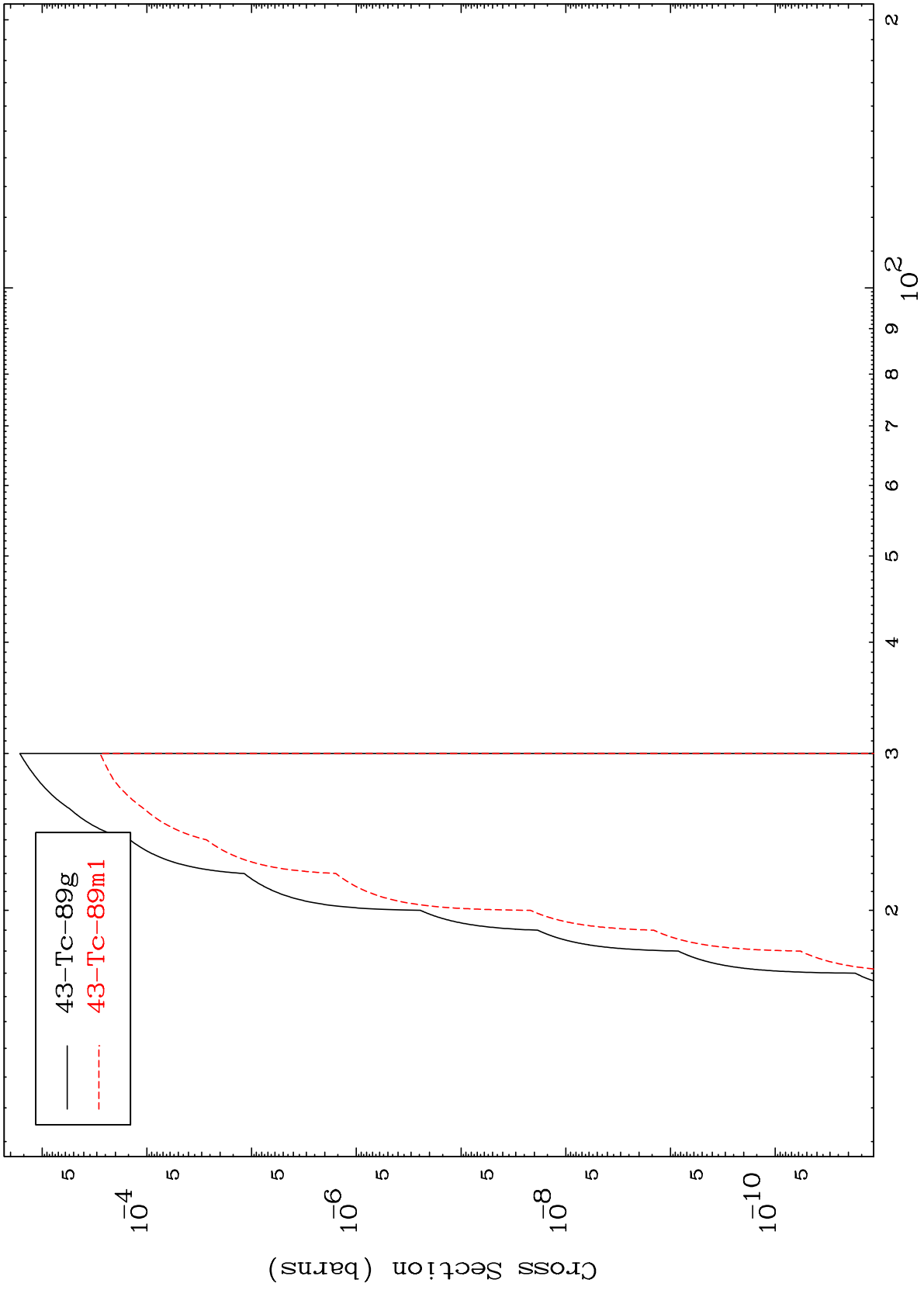
43-Tc-90

MAT 4300

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

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

Radionuclide Production Cross Section



11

Incident Energy (MeV)

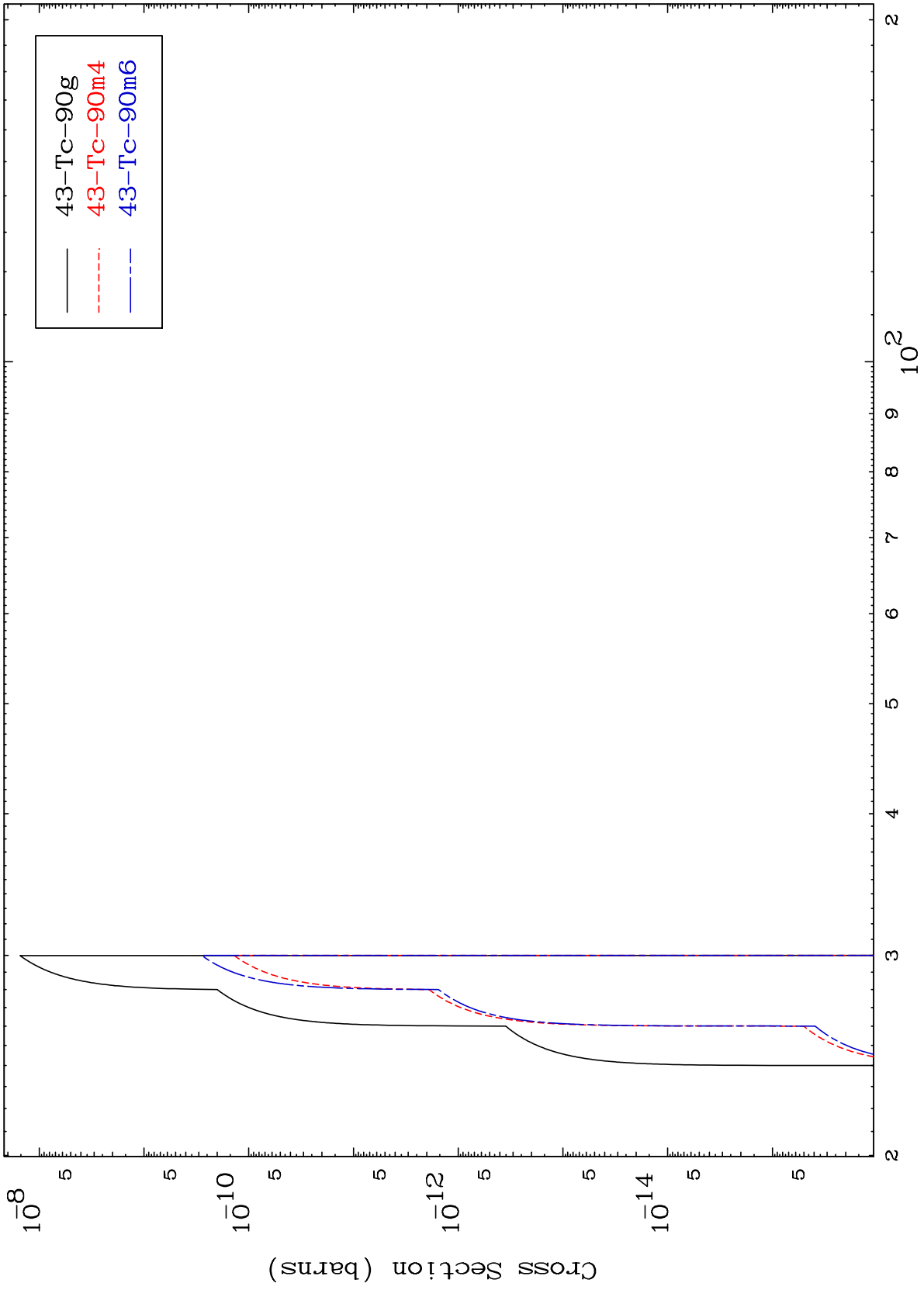
$^{43}\text{Tc-90}$

MAT 4300

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

43-Tc-90

Radionuclide Production Cross Section



12

Incident Energy (MeV)

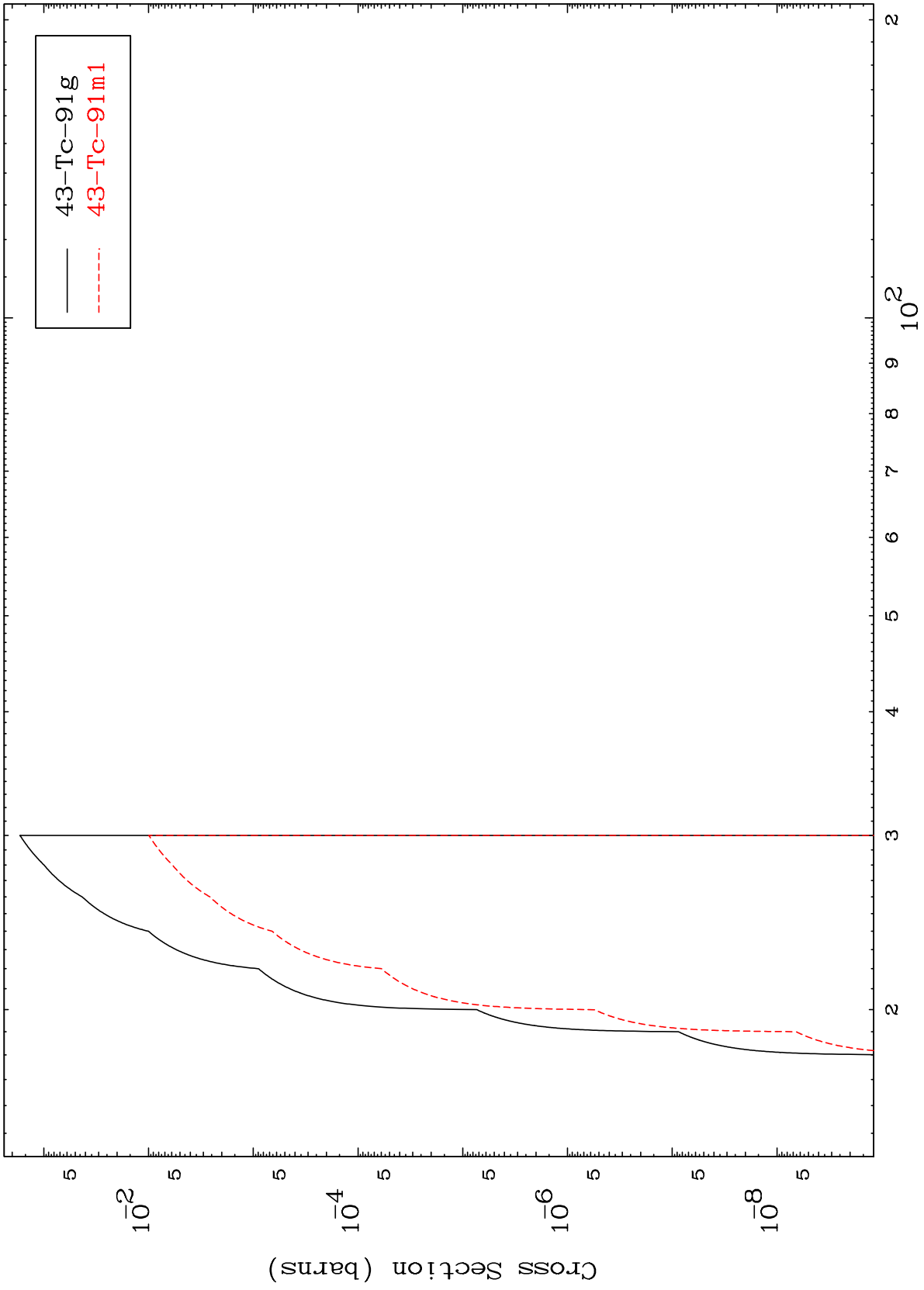
43-Tc-90

MAT 4300

( $\alpha, 2n$ ) p

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

Radionuclide Production Cross Section



13

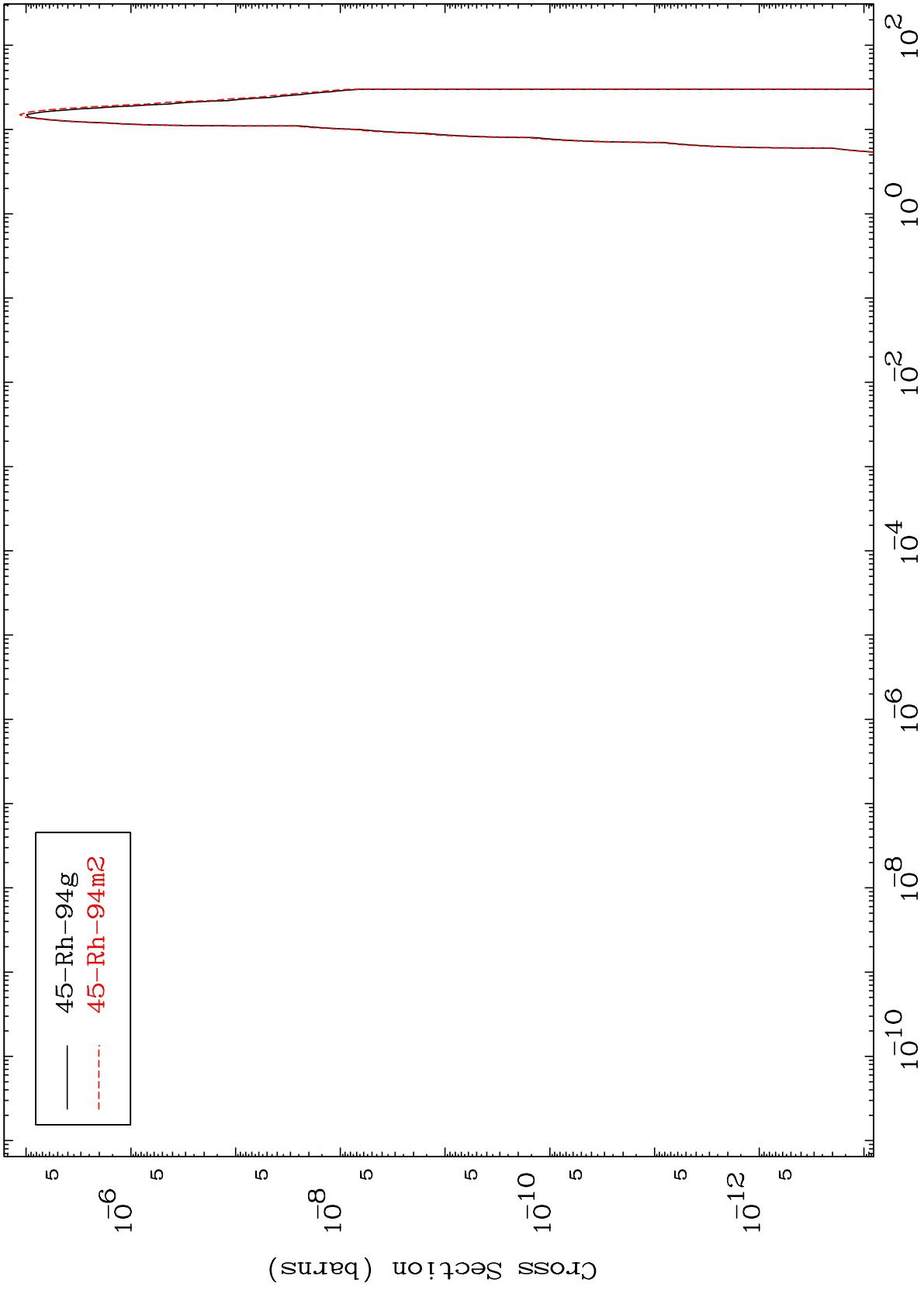
Incident Energy (MeV)

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

MAT 4300

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

43-Tc-90



14

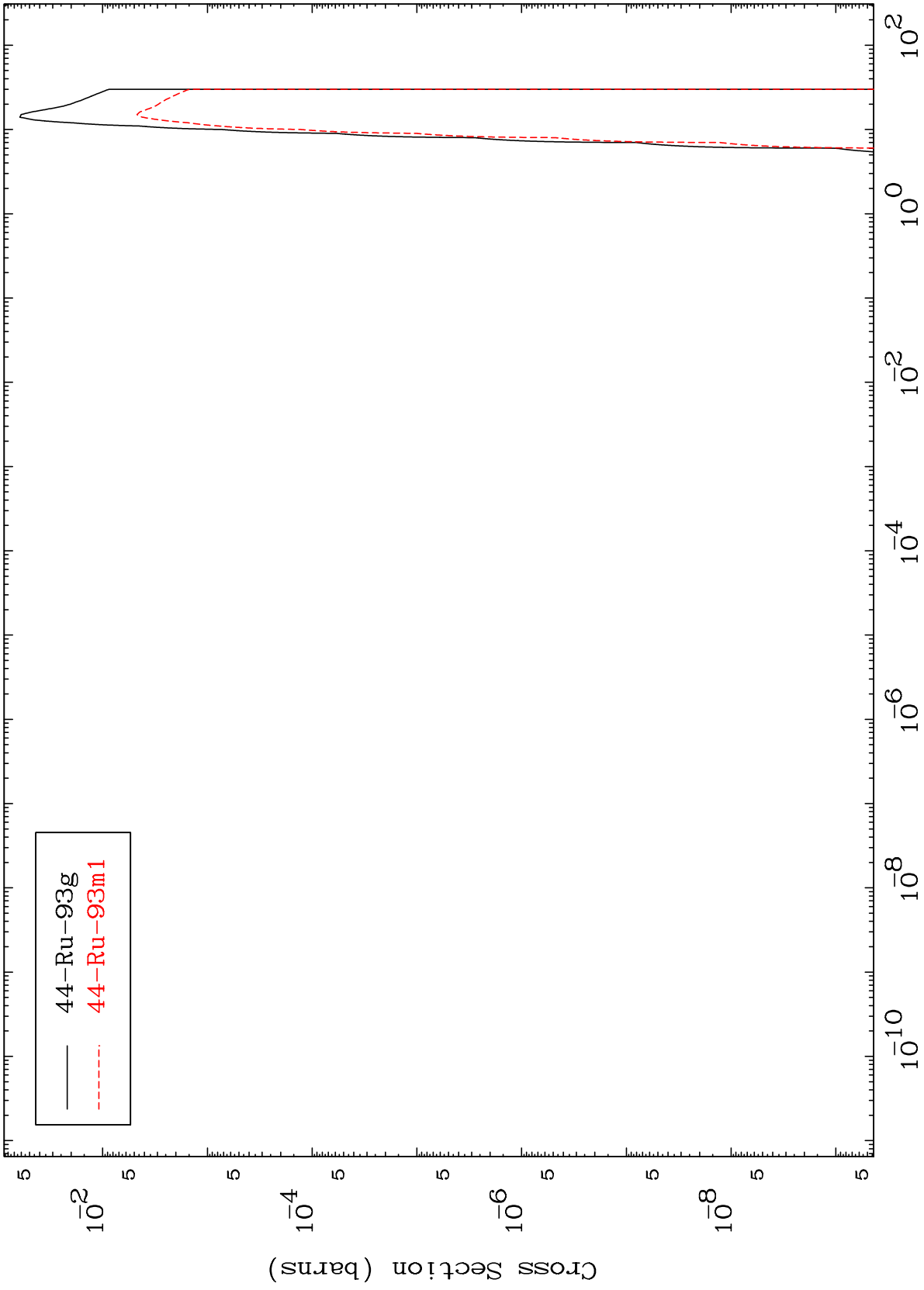
Incident Energy (MeV)

43-Tc-90

MAT 4300

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

43-Tc-90



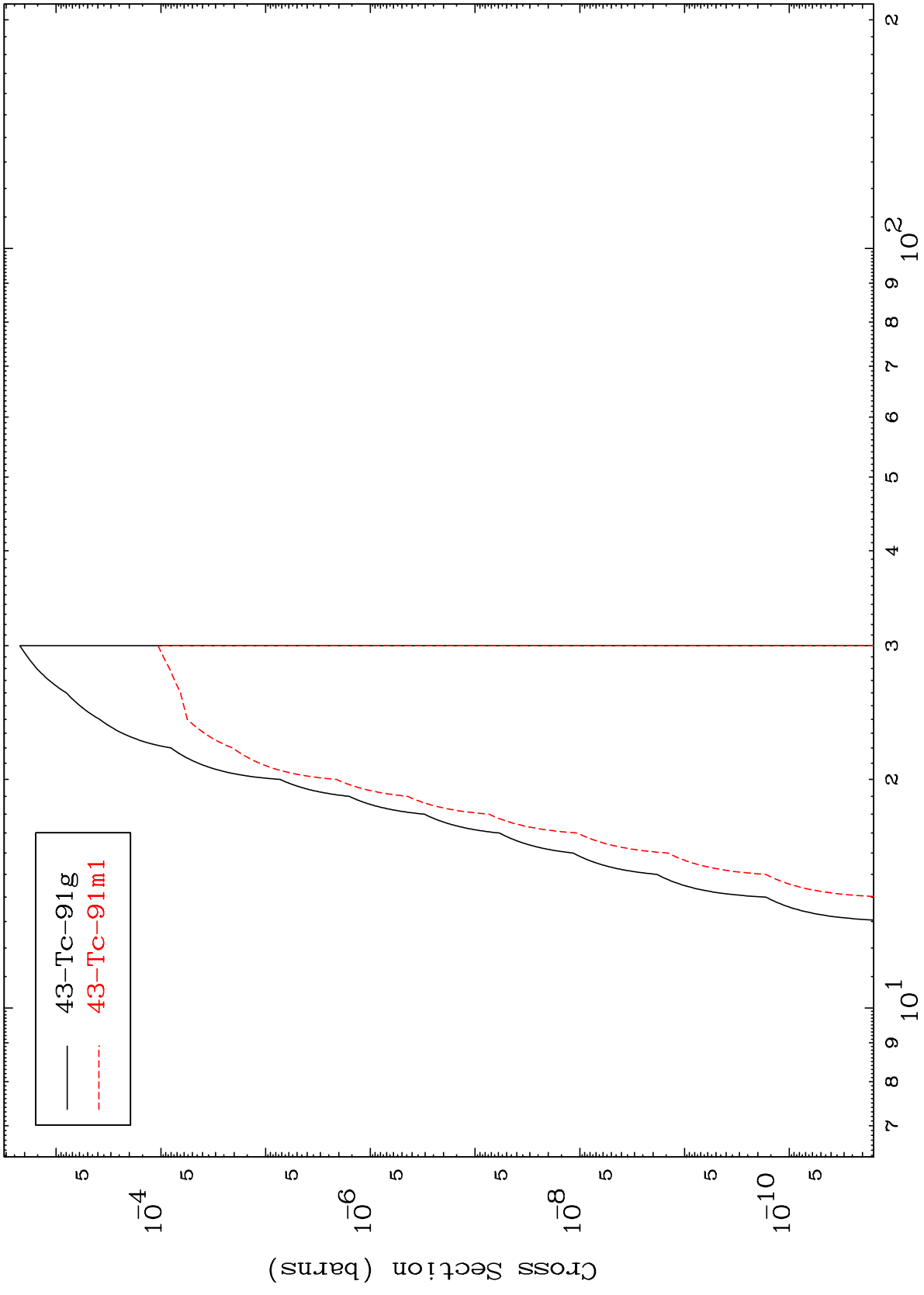


MAT 4300

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

43-Tc-90

Radionuclide Production Cross Section



16

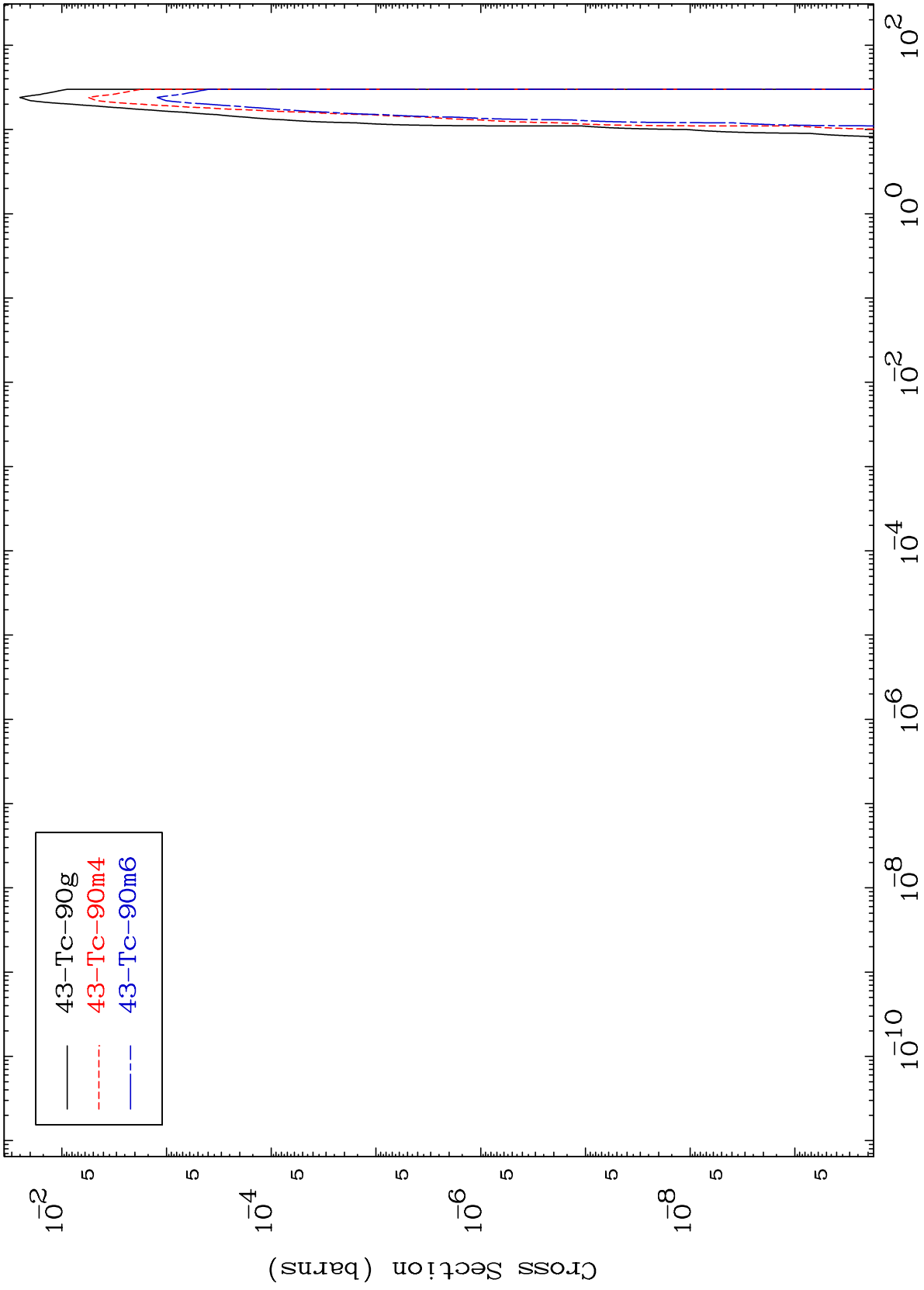
Incident Energy (MeV)

43-Tc-90

MAT 4300

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

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



17

Incident Energy (MeV)

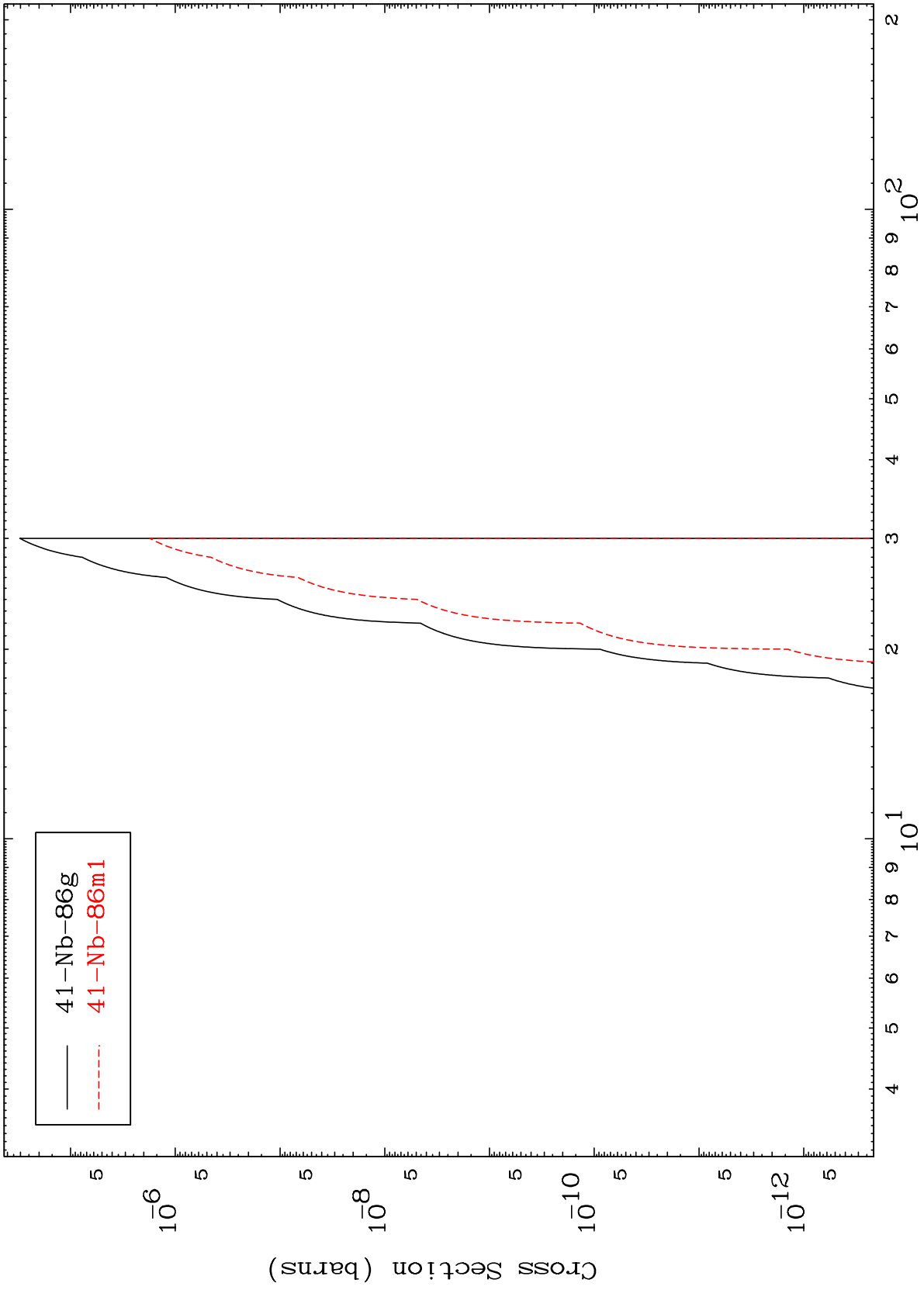
$^{43}\text{Tc-90}$

MAT 4300

( $\alpha, 2\alpha$ )

43-Tc-90

Radionuclide Production Cross Section



18

Incident Energy (MeV)

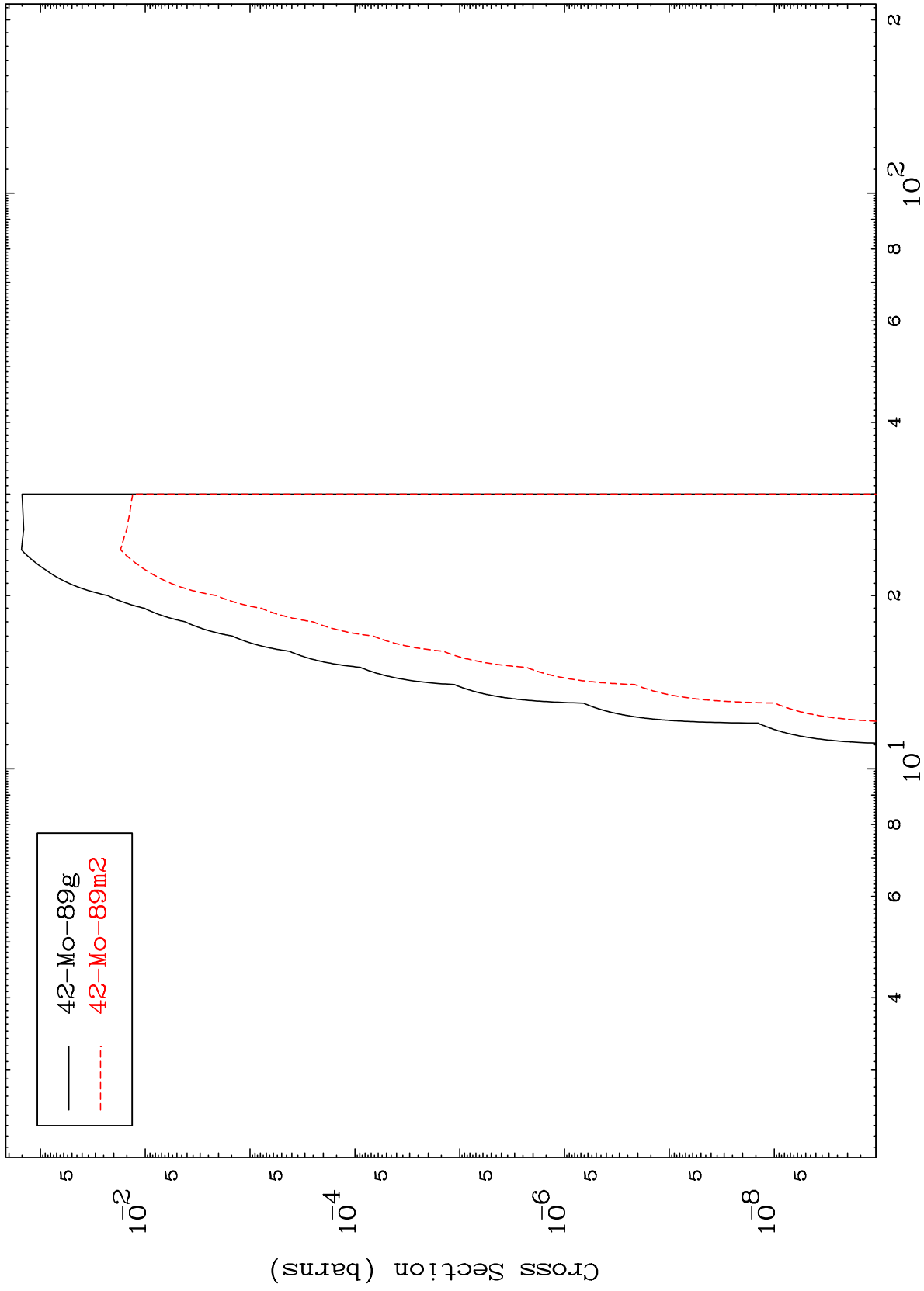
43-Tc-90

MAT 4300

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

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

Radionuclide Production Cross Section



19

Incident Energy (MeV)

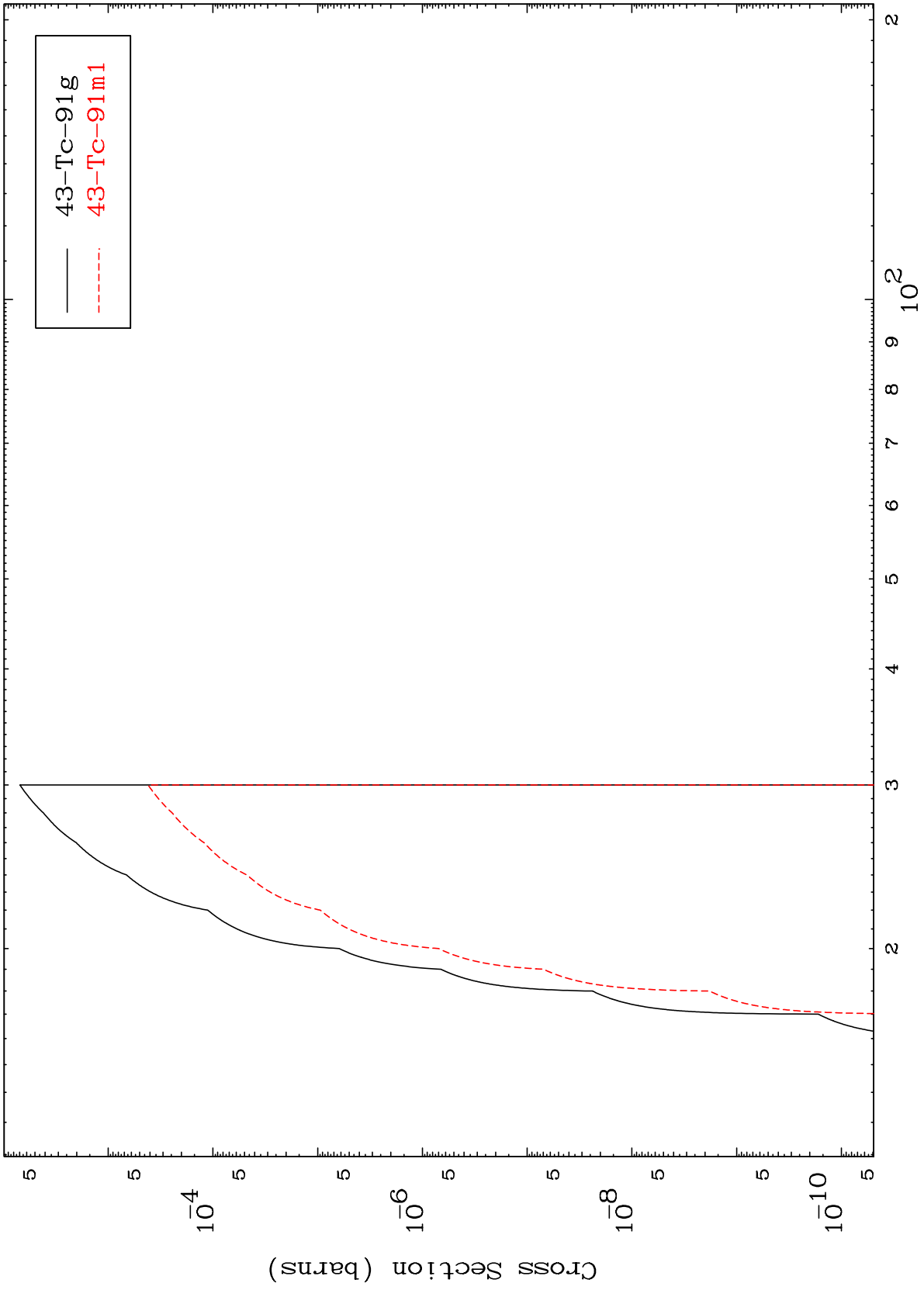
$^{43}\text{Tc-90}$

MAT 4300

( $\alpha, p$ ) d

<sup>43</sup>Tc-90

Radionuclide Production Cross Section



20

Incident Energy (MeV)

<sup>43</sup>Tc-90

