

Program EVALPLOT
(Version 2021-1)

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

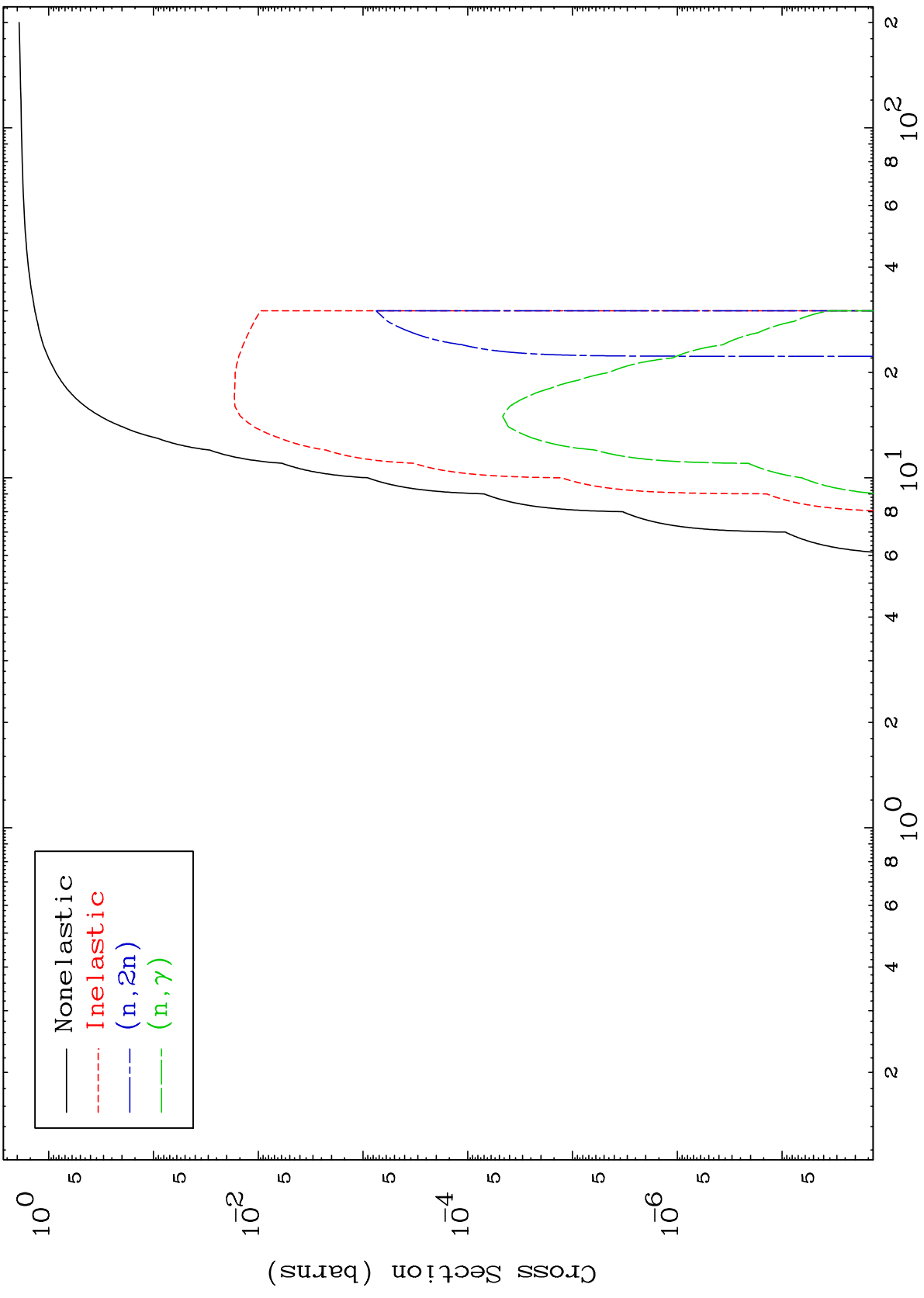
Press Mouse Button to Start

MAT 4299

α Major

43-Tc-90m

0 Kelvin Cross Sections



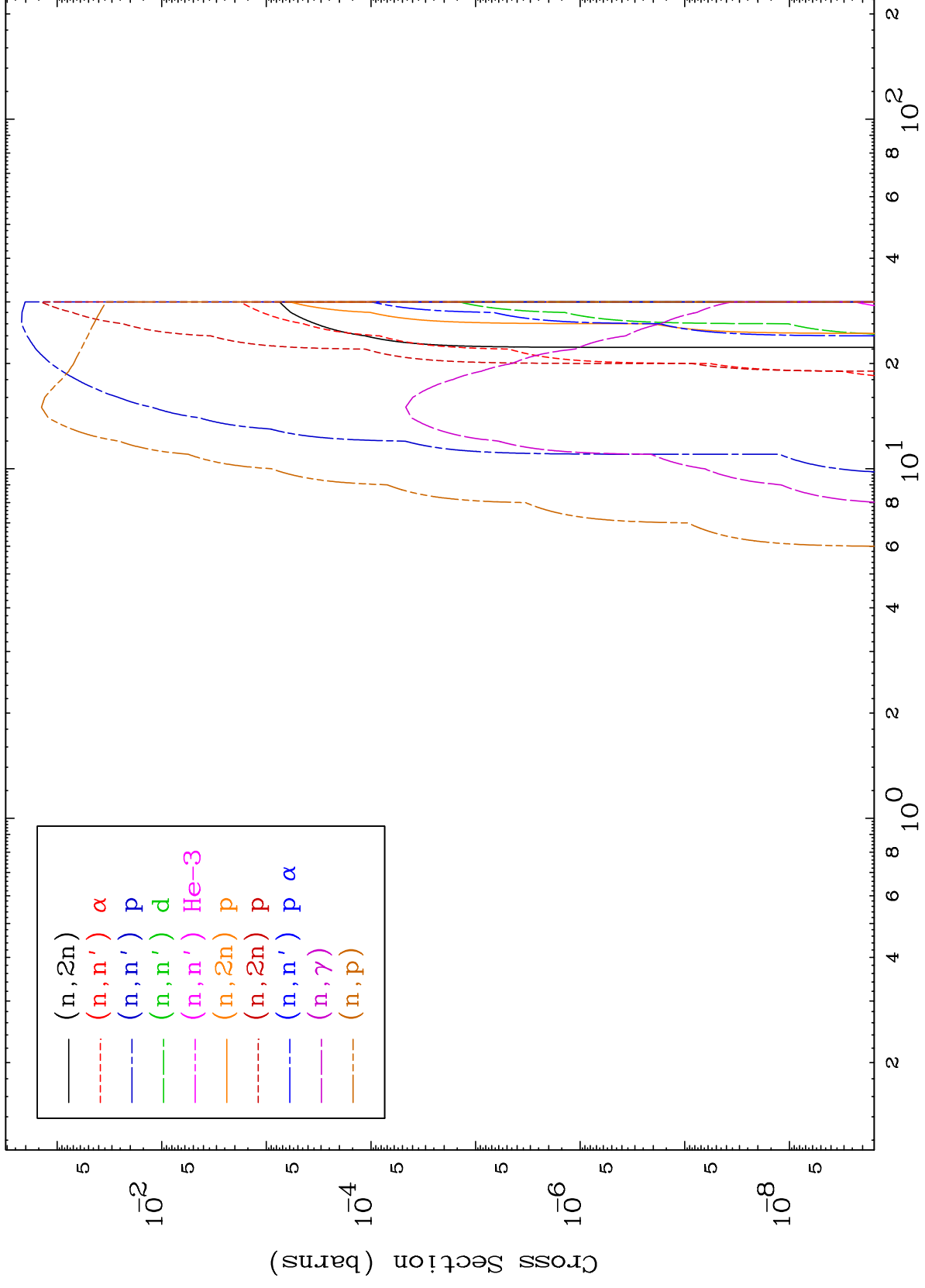
Incident Energy (MeV)

43-Tc-90m

MAT 4299

α Neutron Absorption
0 Kelvin Cross Sections

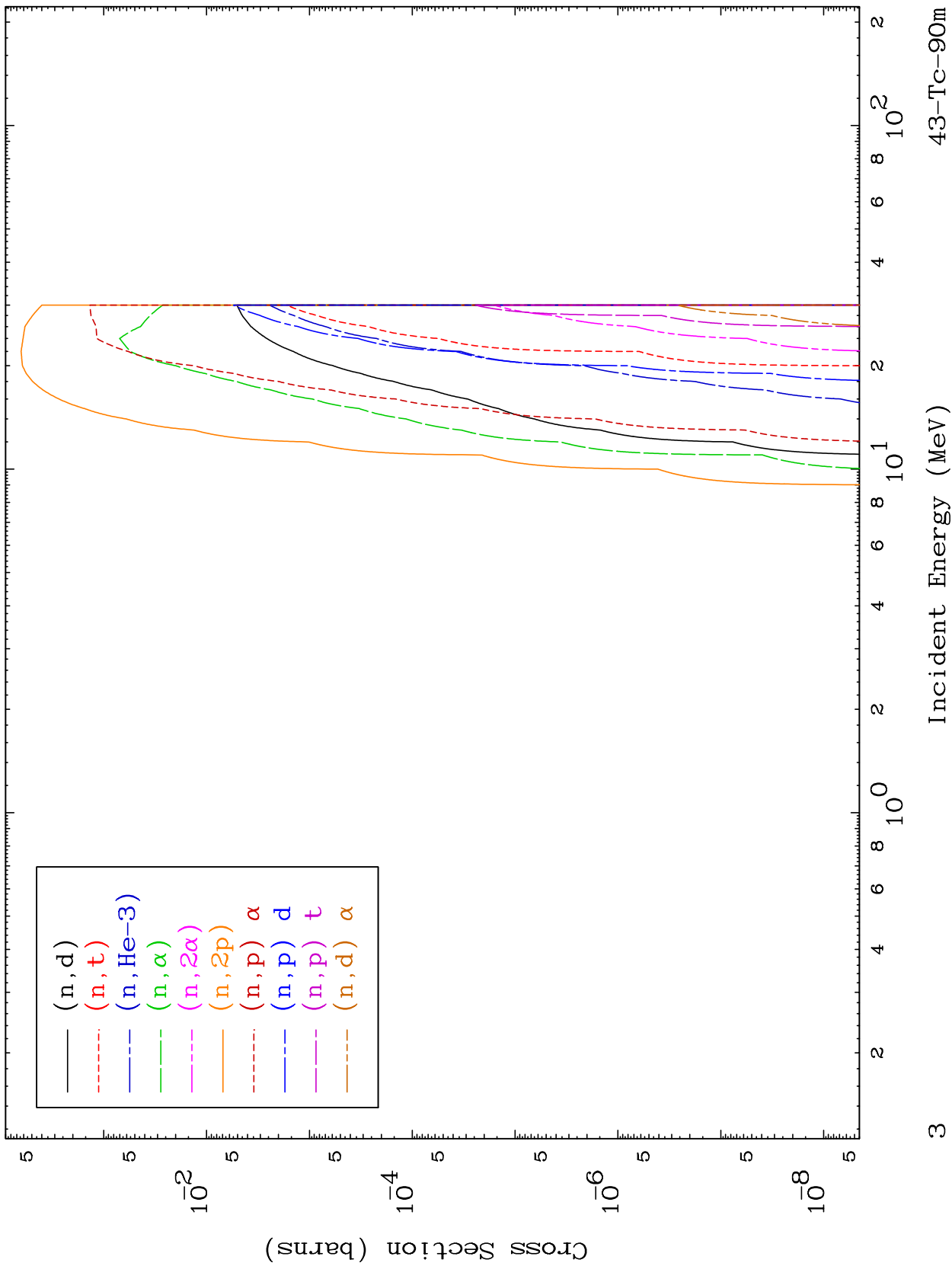
$^{43}\text{Tc-90m}$



MAT 4299

α Neutron Absorption
0 Kelvin Cross Sections

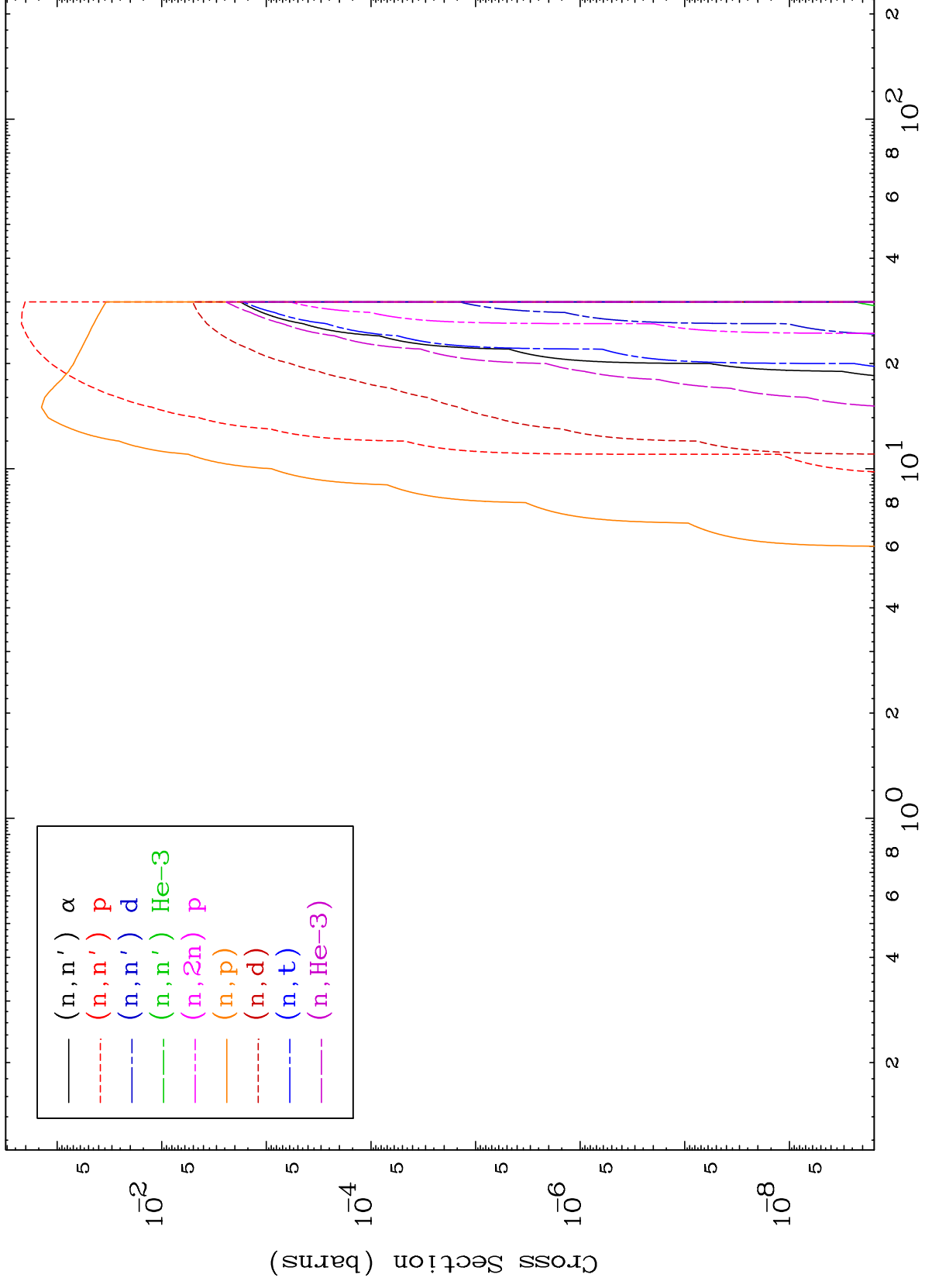
$^{43}\text{Tc-90m}$



MAT 4299

α Charged Particle
0 Kelvin Cross Sections

⁴³Tc-90m

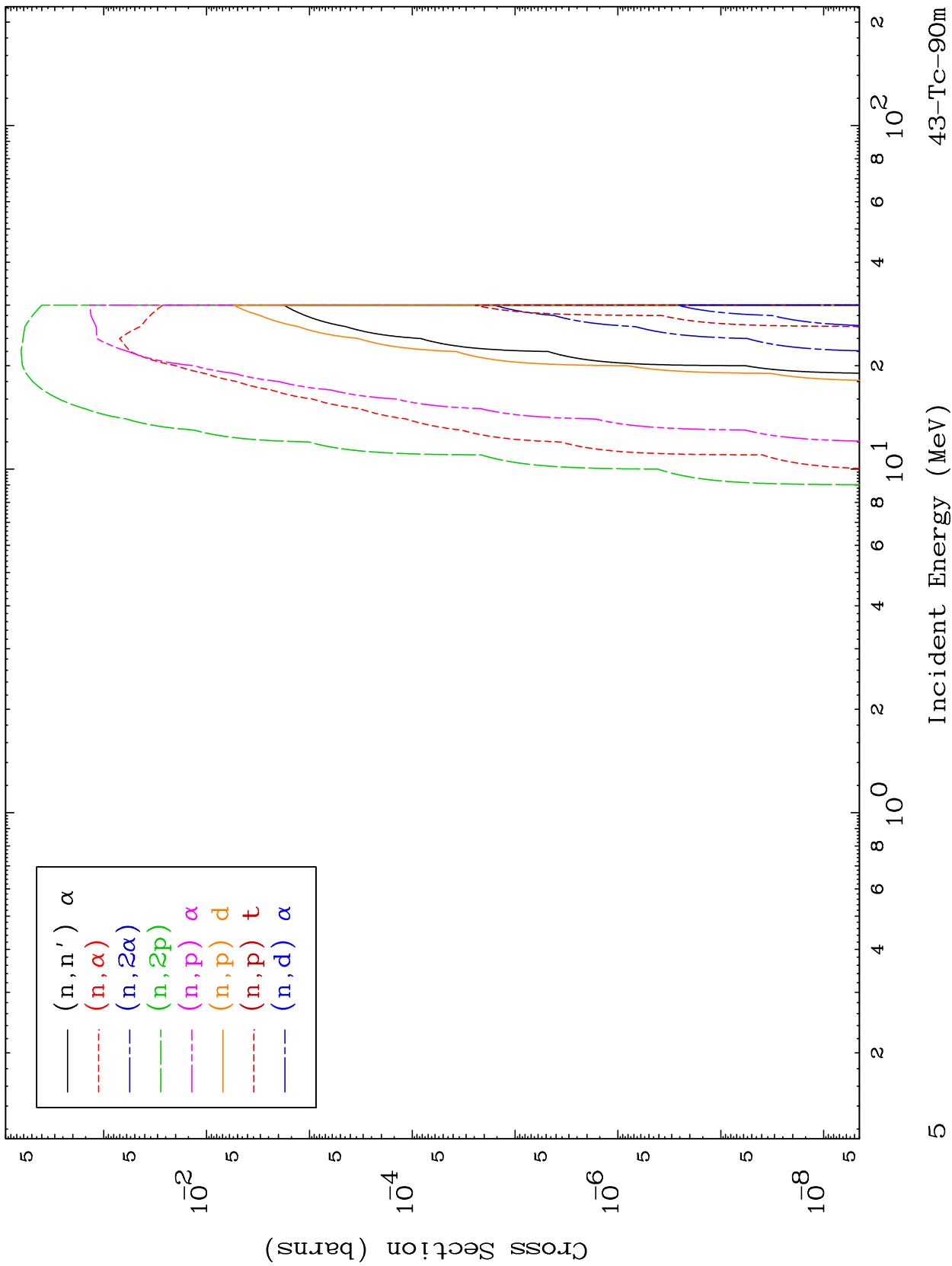


⁴³Tc-90m

MAT 4299

α Charged Particle
0 Kelvin Cross Sections

43-Tc-90m

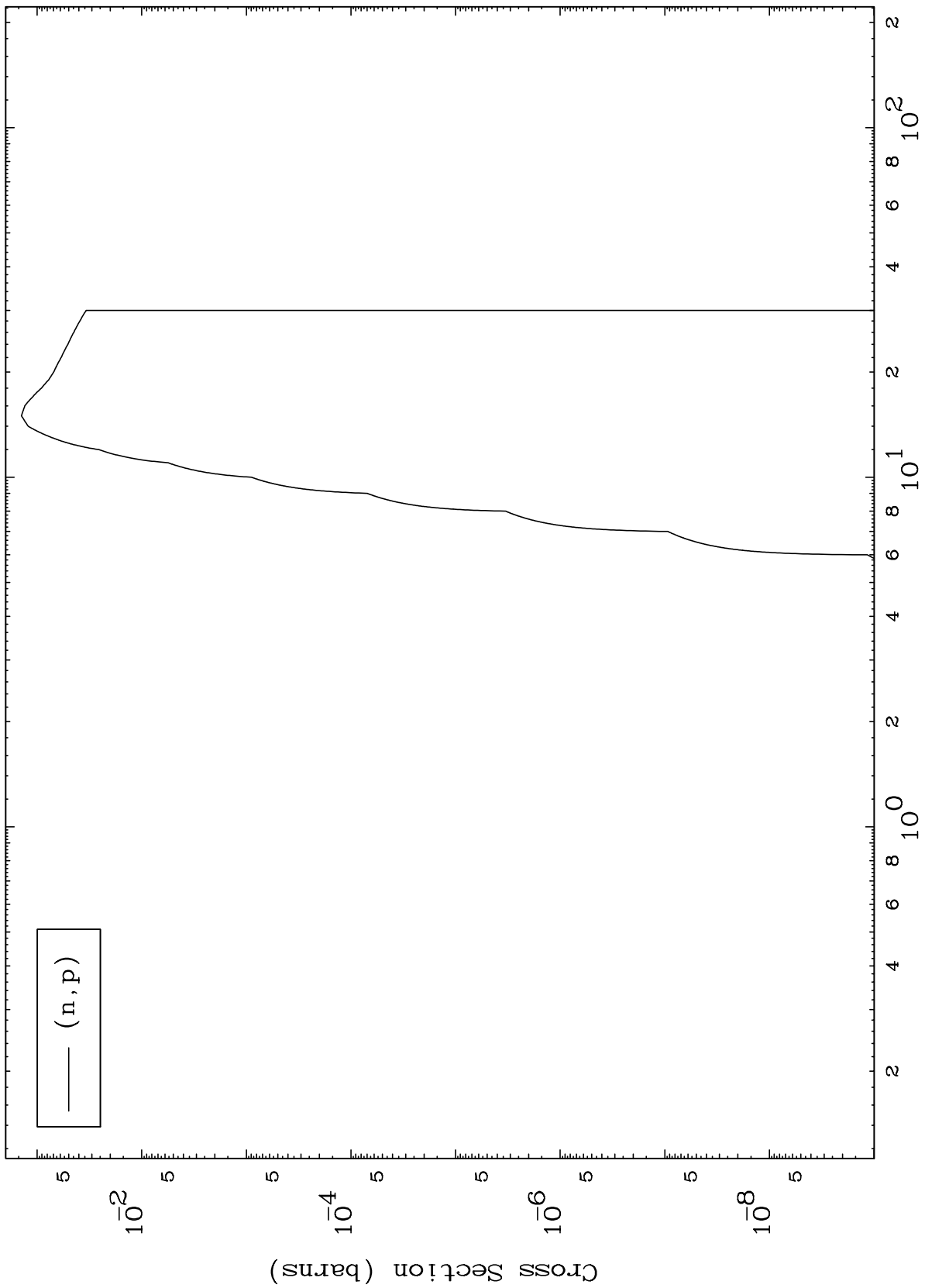


MAT 4299

(α, p) Levels

43-Tc-90m

0 Kelvin Cross Sections



43-Tc-90m

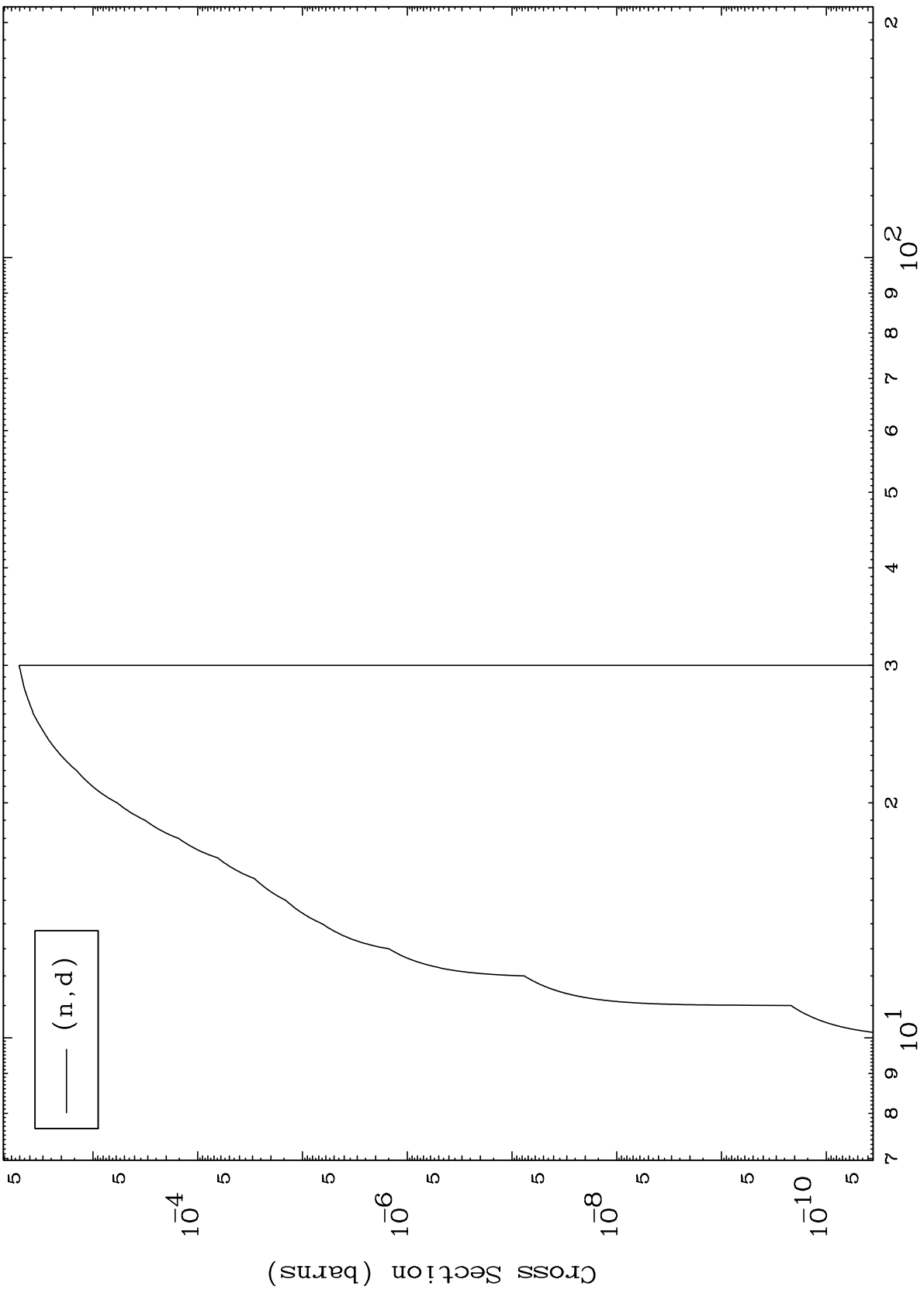
Incident Energy (MeV)

MAT 4299

(α, d) Levels

43-Tc-90m

0 Kelvin Cross Sections



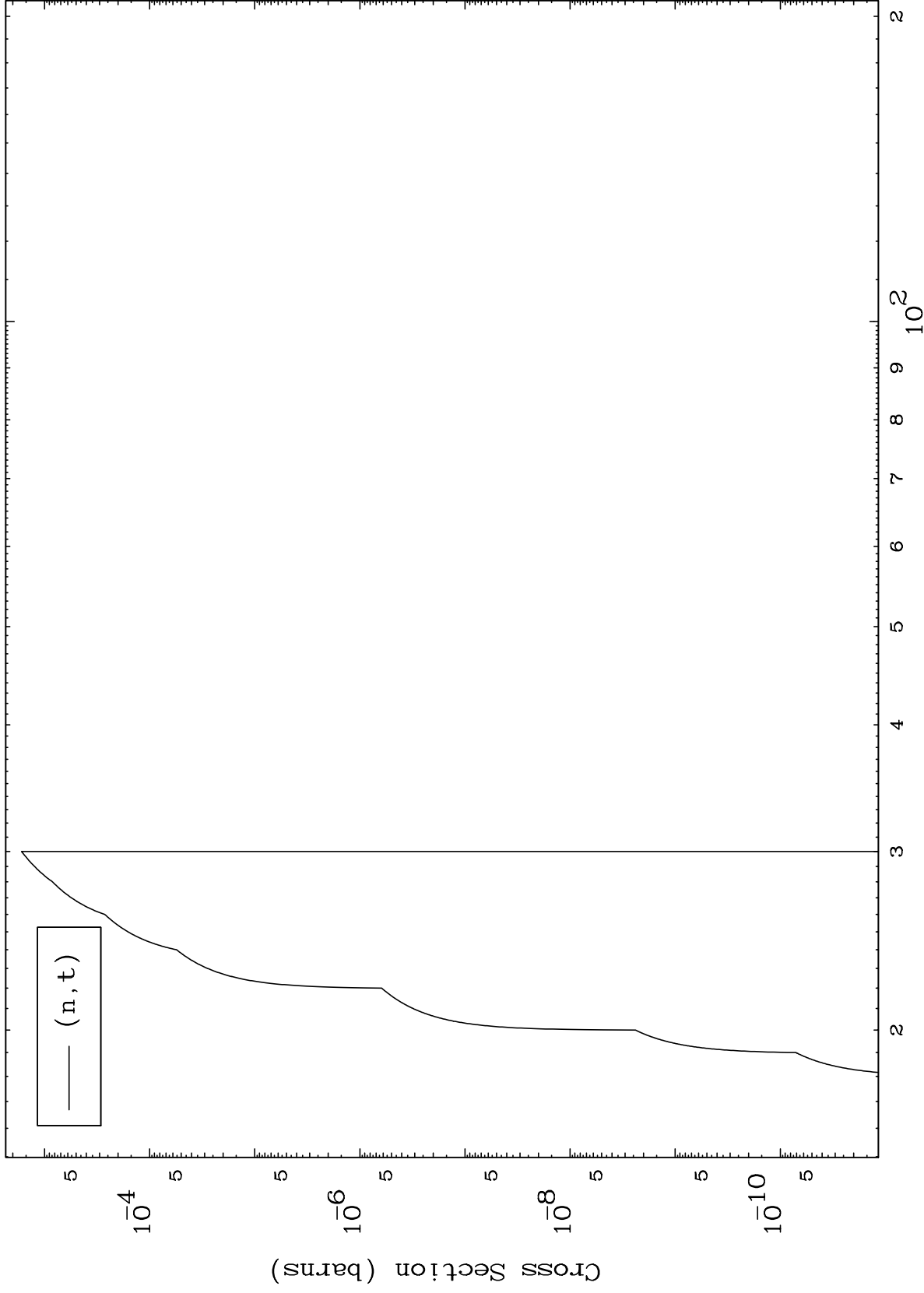
Incident Energy (MeV)

43-Tc-90m

MAT 4299

(α, t) Levels
0 Kelvin Cross Sections

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



8

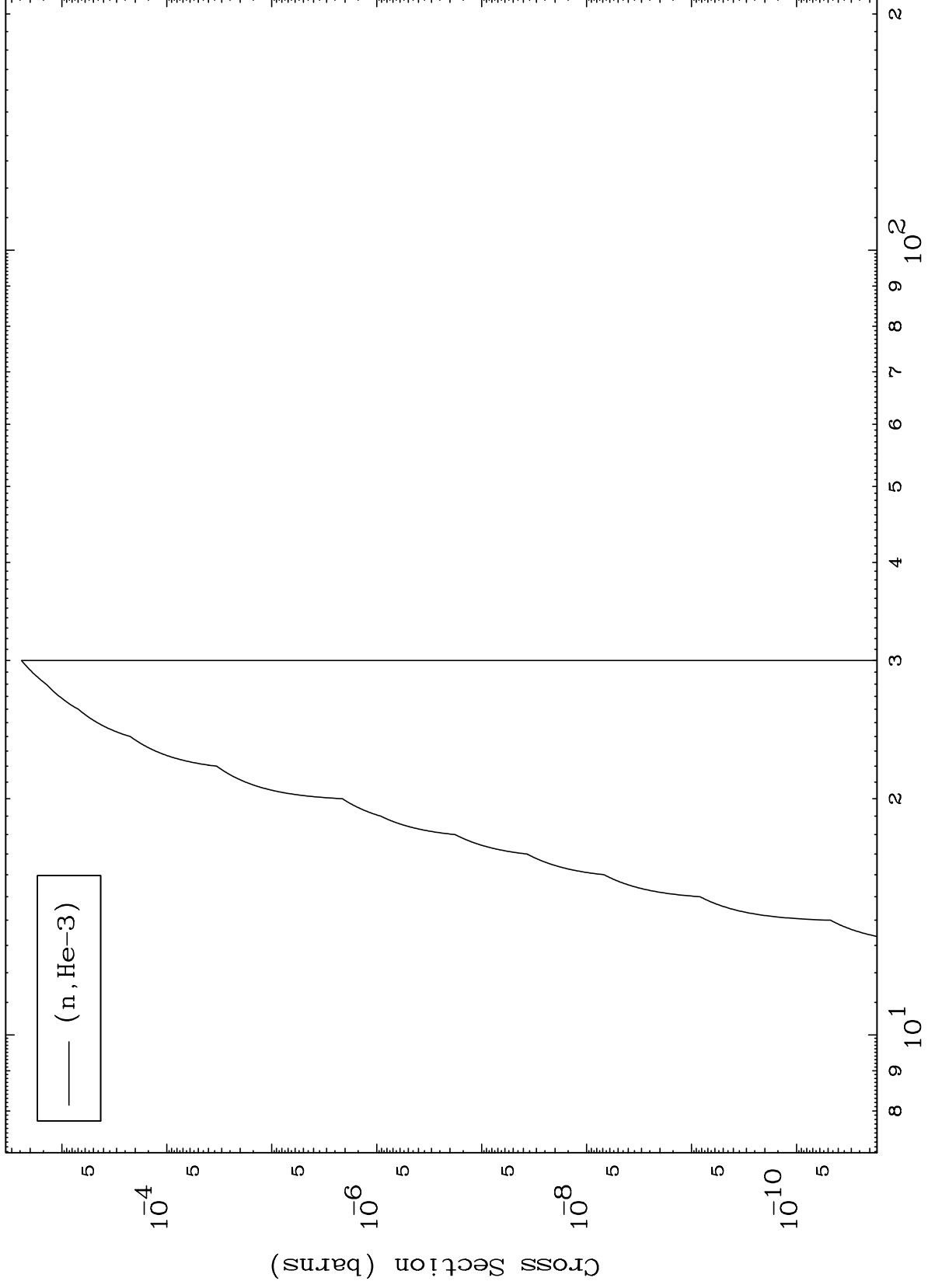
Incident Energy (MeV)

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

MAT 4299

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

43-Tc-90m



9

Incident Energy (MeV)

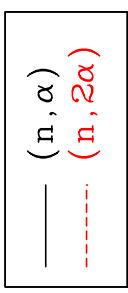
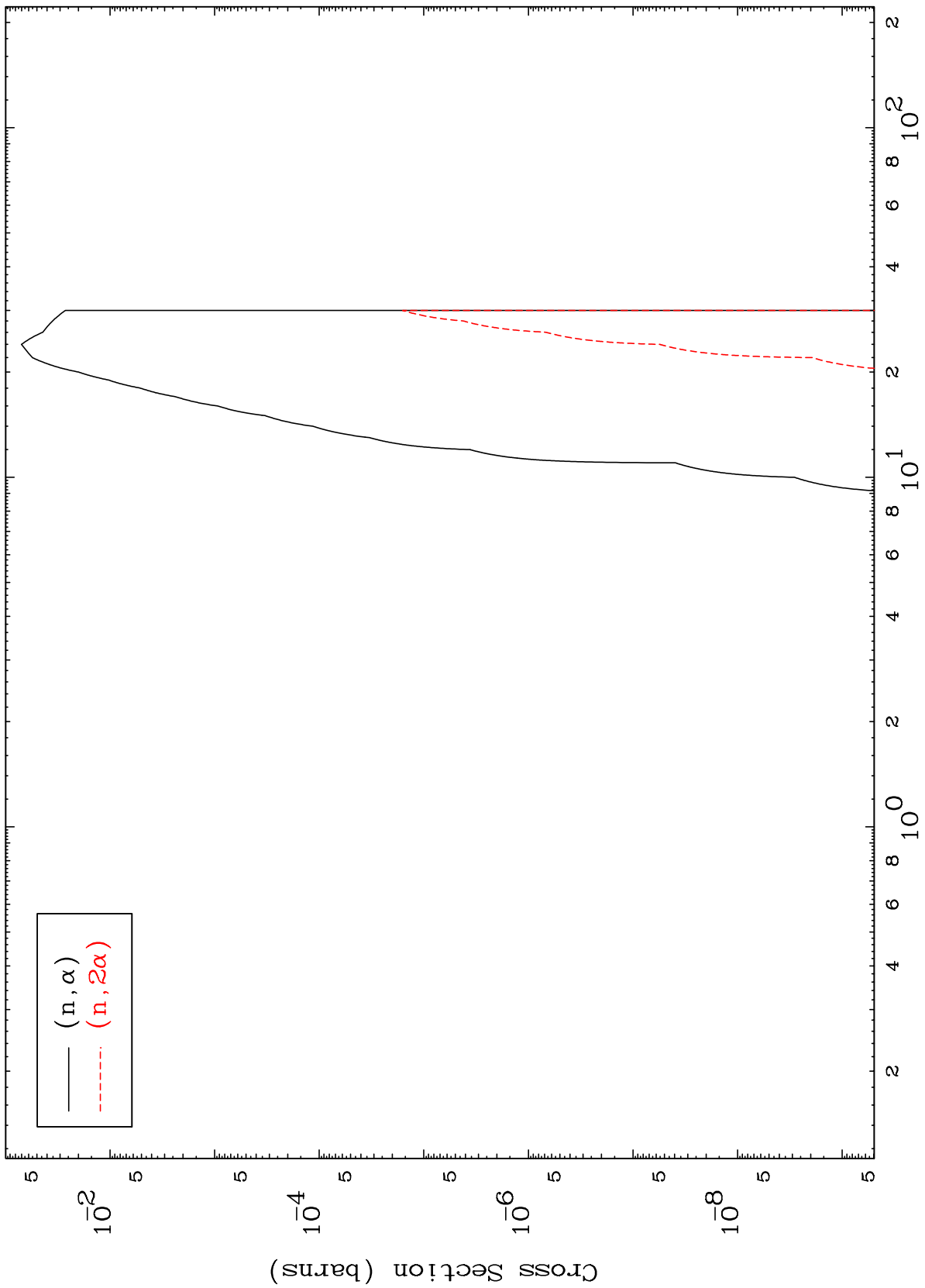
43-Tc-90m

MAT 4299

(α, α) Levels

43-Tc-90m

0 Kelvin Cross Sections



10

Incident Energy (MeV)

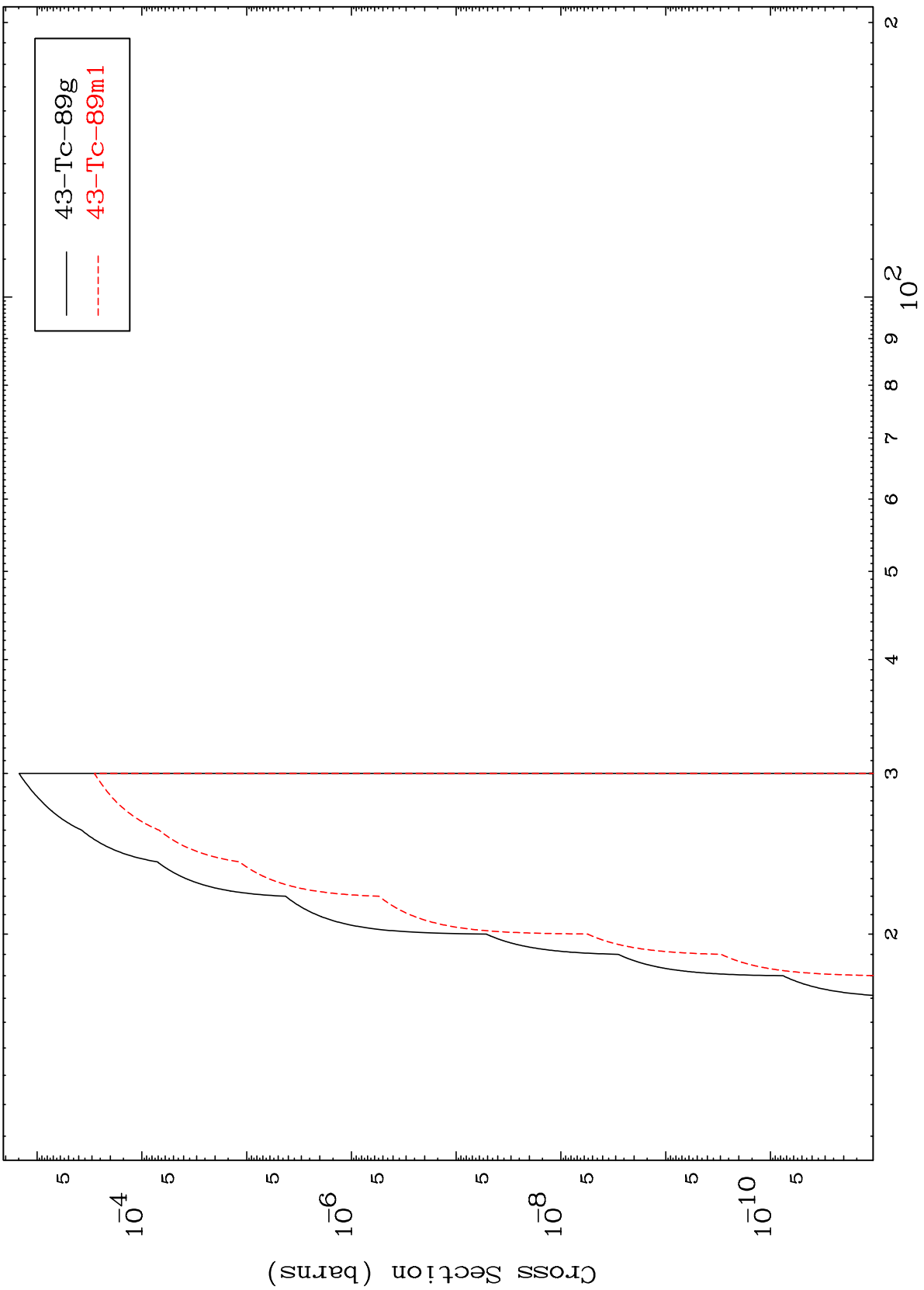
43-Tc-90m

MAT 4299

$(n, n') \alpha$

43-Tc-90m

Radionuclide Production Cross Section

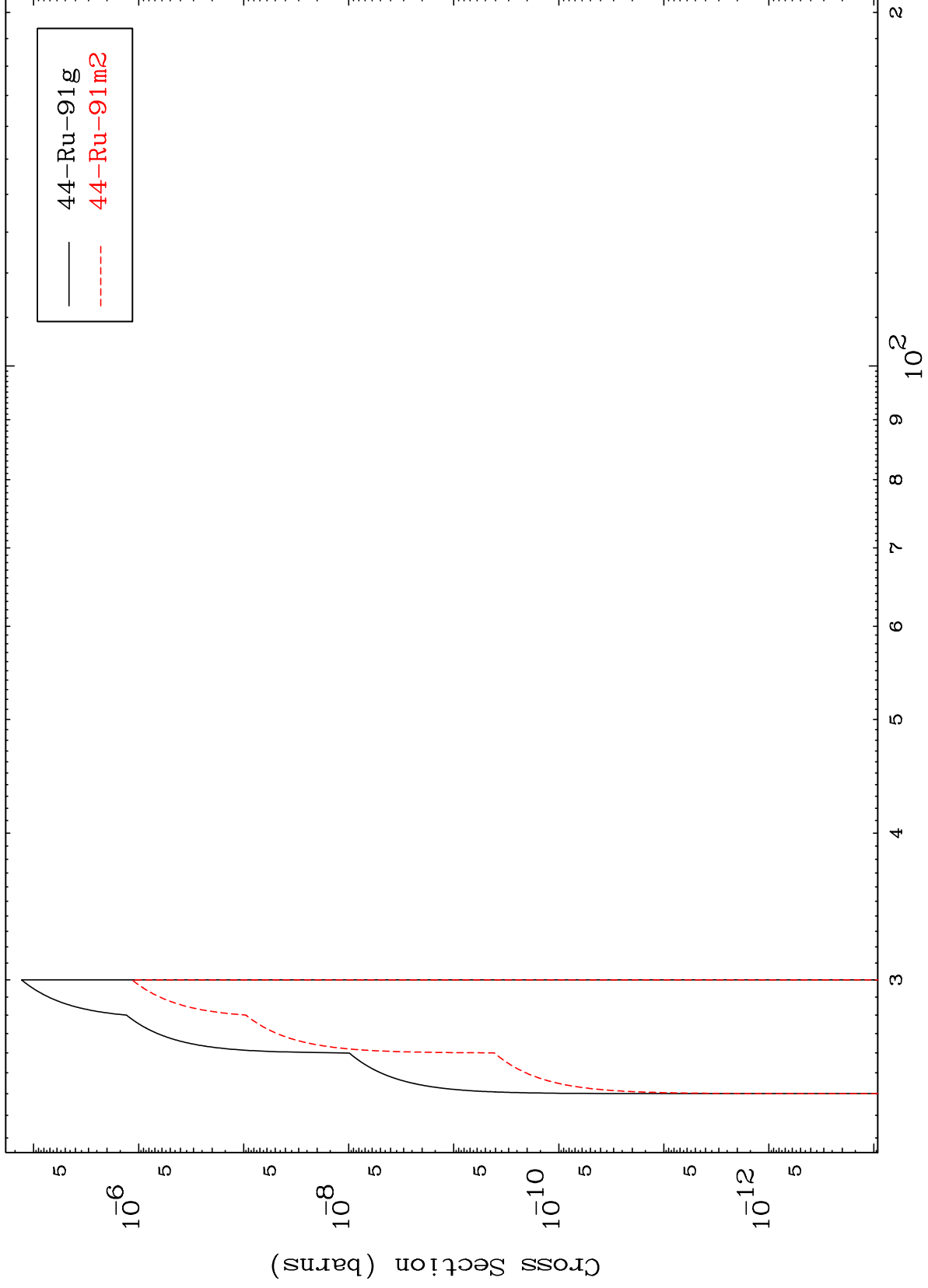


MAT 4299

(n,n') d

43-Tc-90m

Radionuclide Production Cross Section



12

Incident Energy (MeV)

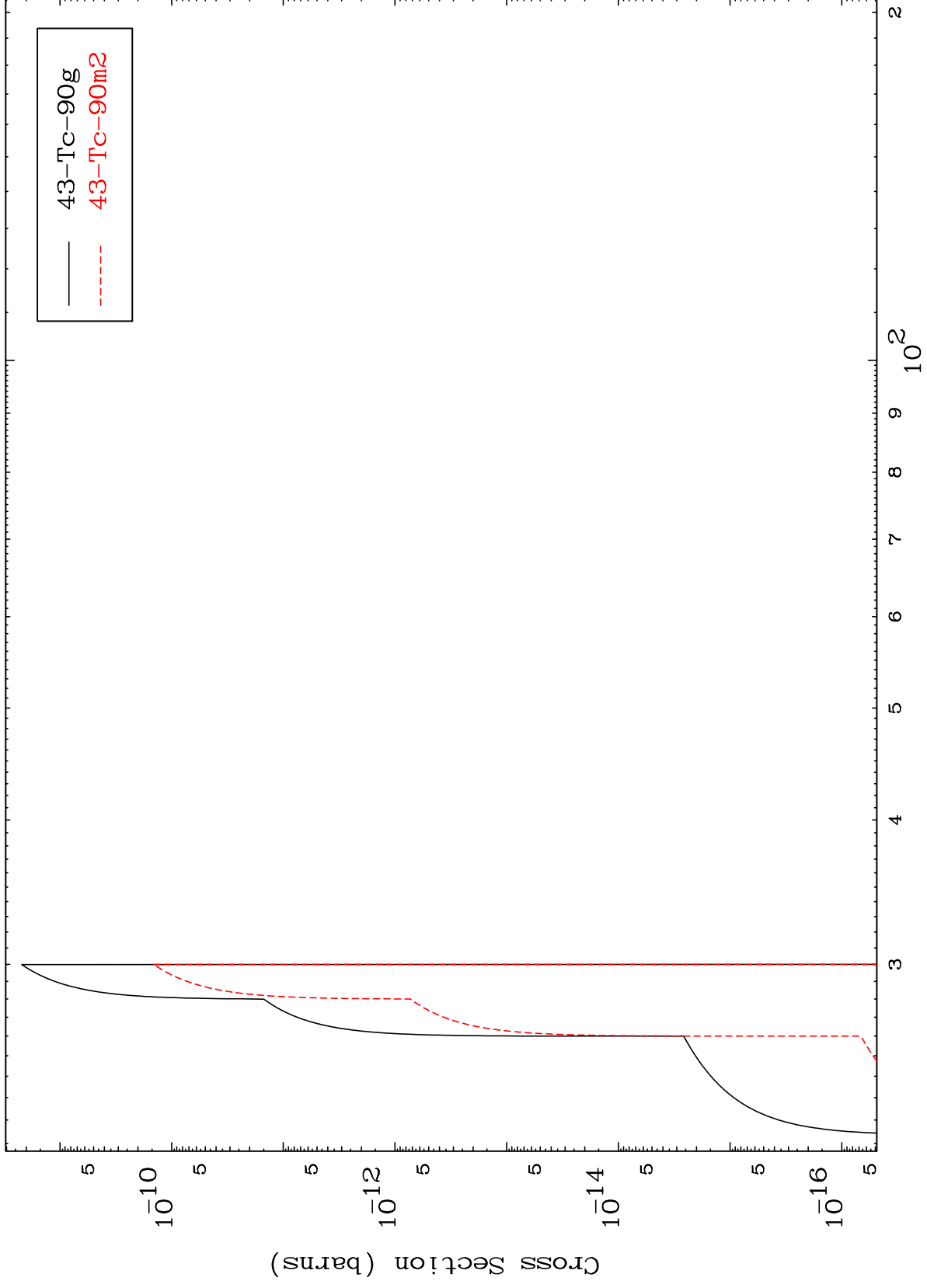
43-Tc-90m

MAT 4299

(n,n') He-3

43-Tc-90m

Radionuclide Production Cross Section



13

Incident Energy (MeV)

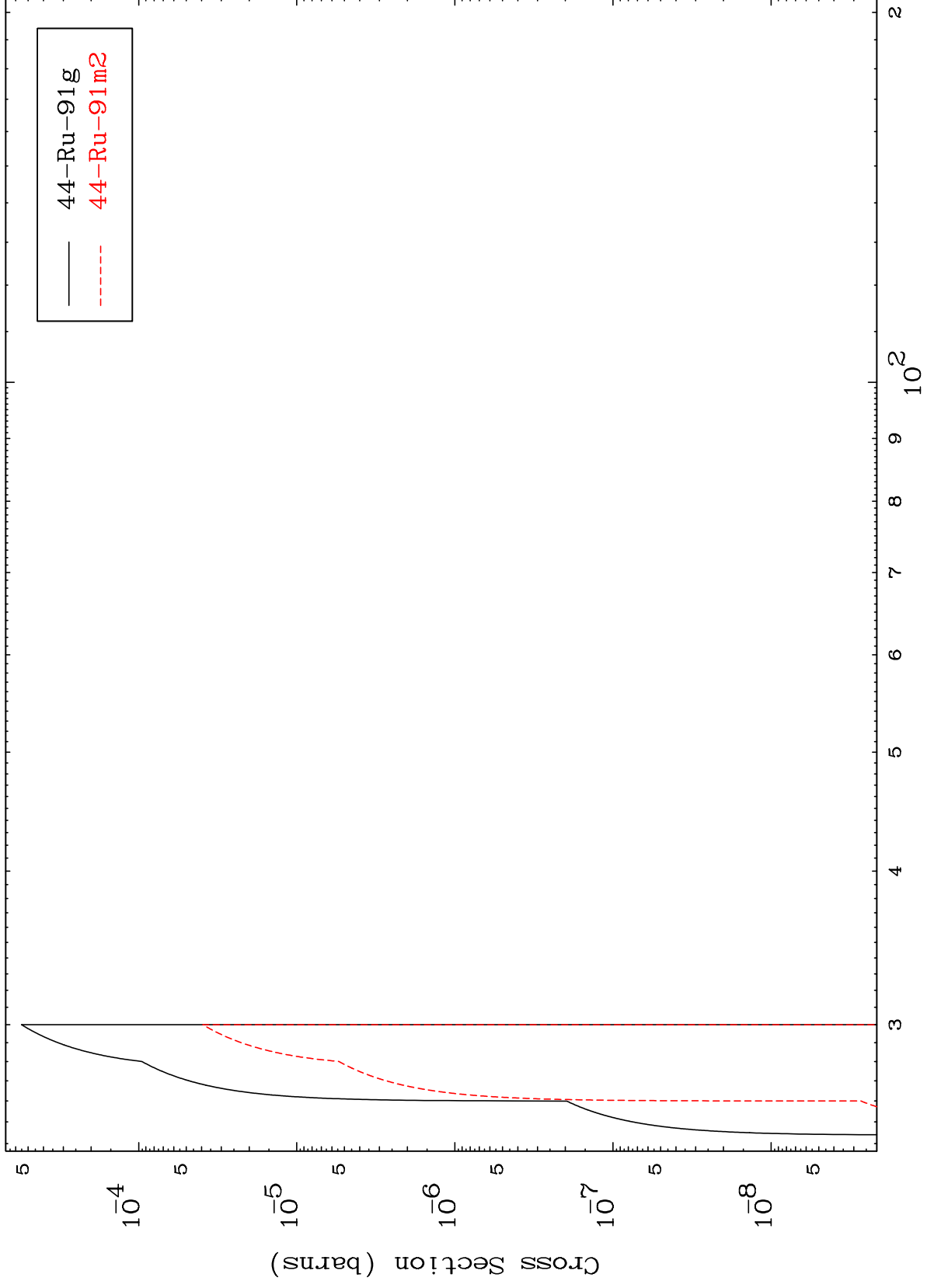
43-Tc-90m

MAT 4299

(n,2n) p

43-Tc-90m

Radionuclide Production Cross Section



14

Incident Energy (MeV)

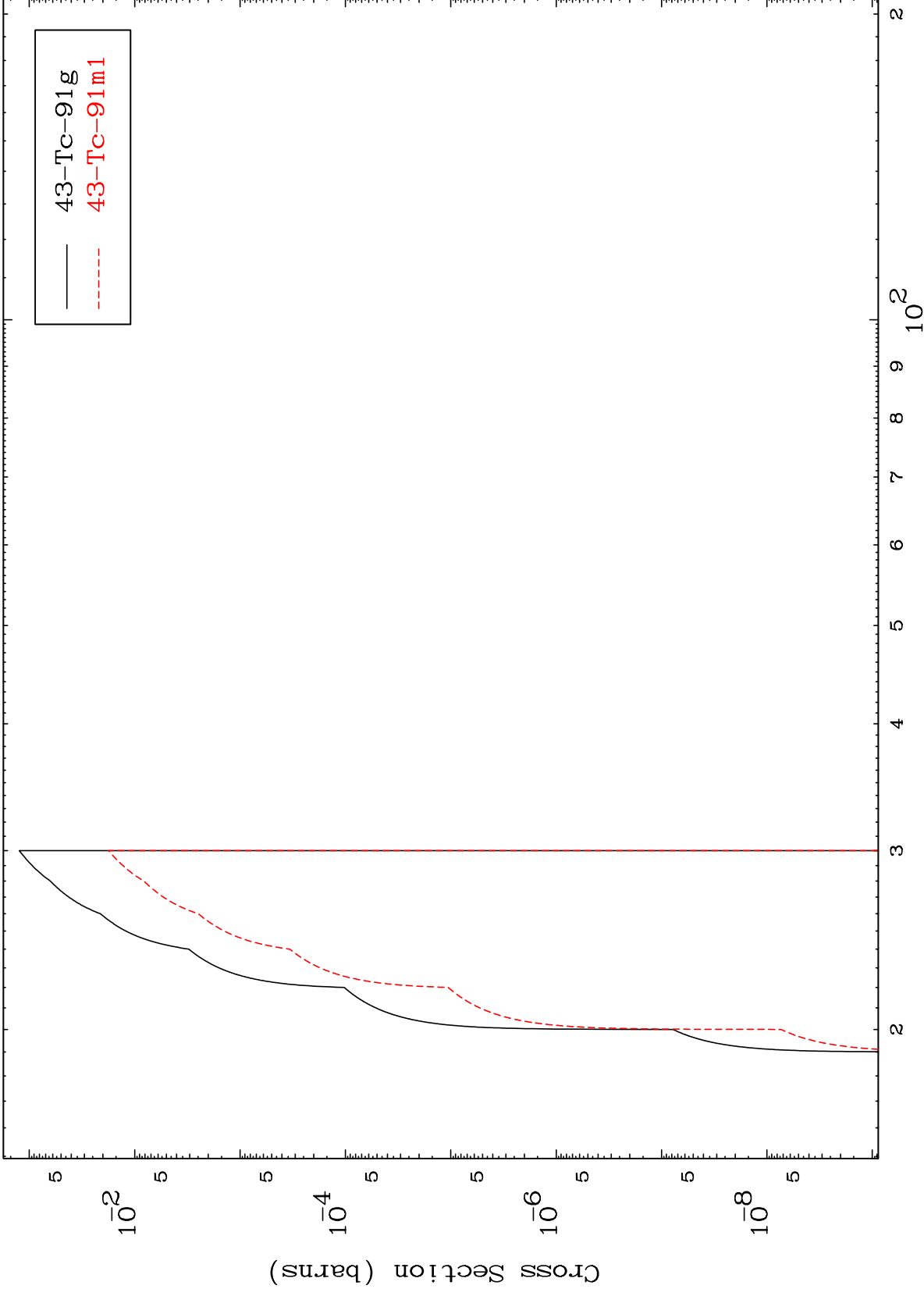
43-Tc-90m

MAT 4299

(n,2n) p

43-Tc-90m

Radionuclide Production Cross Section



15

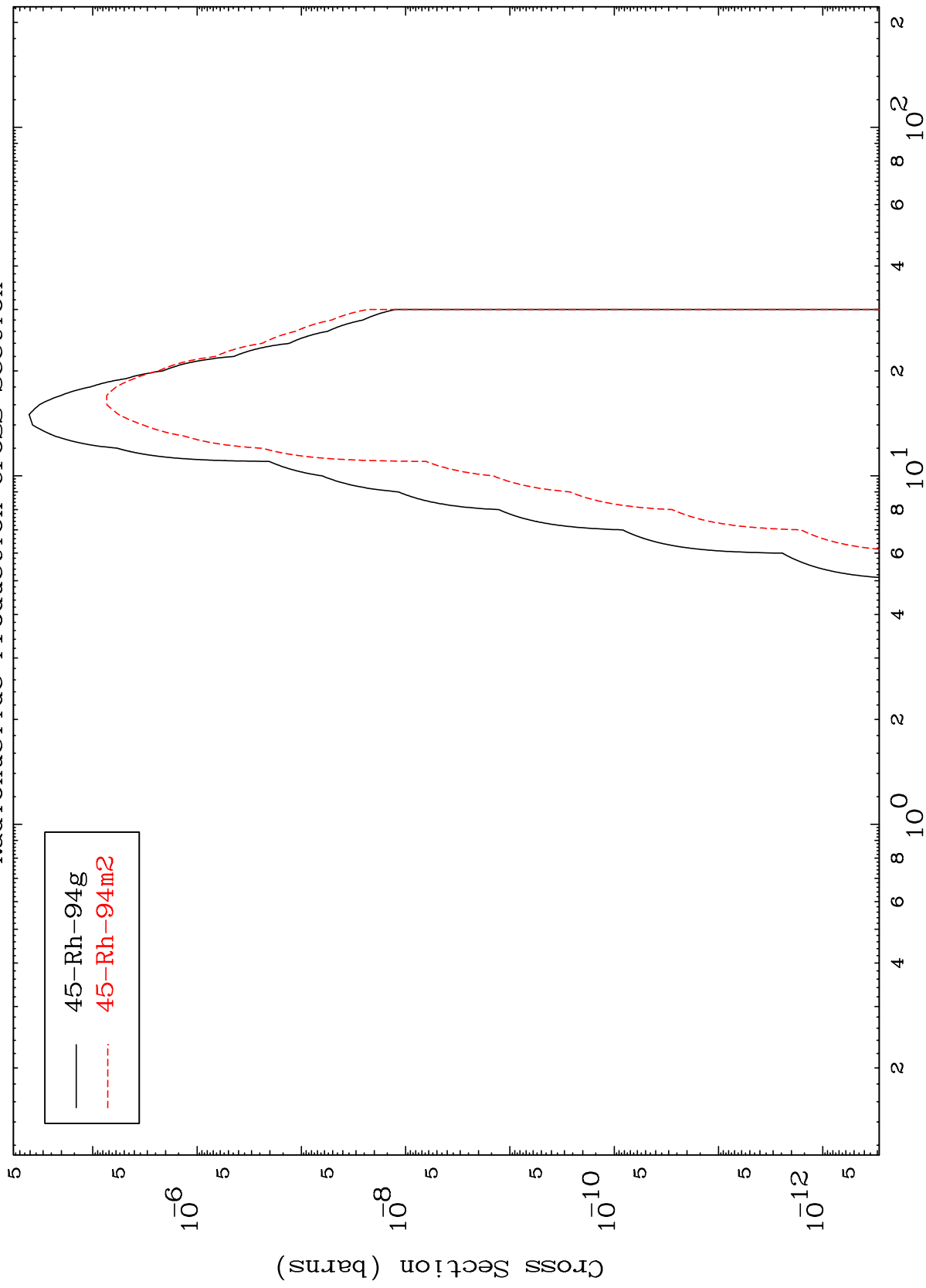
Incident Energy (MeV)

43-Tc-90m

MAT 4299

43-Tc-90m

(n, γ)
Radionuclide Production Cross Section



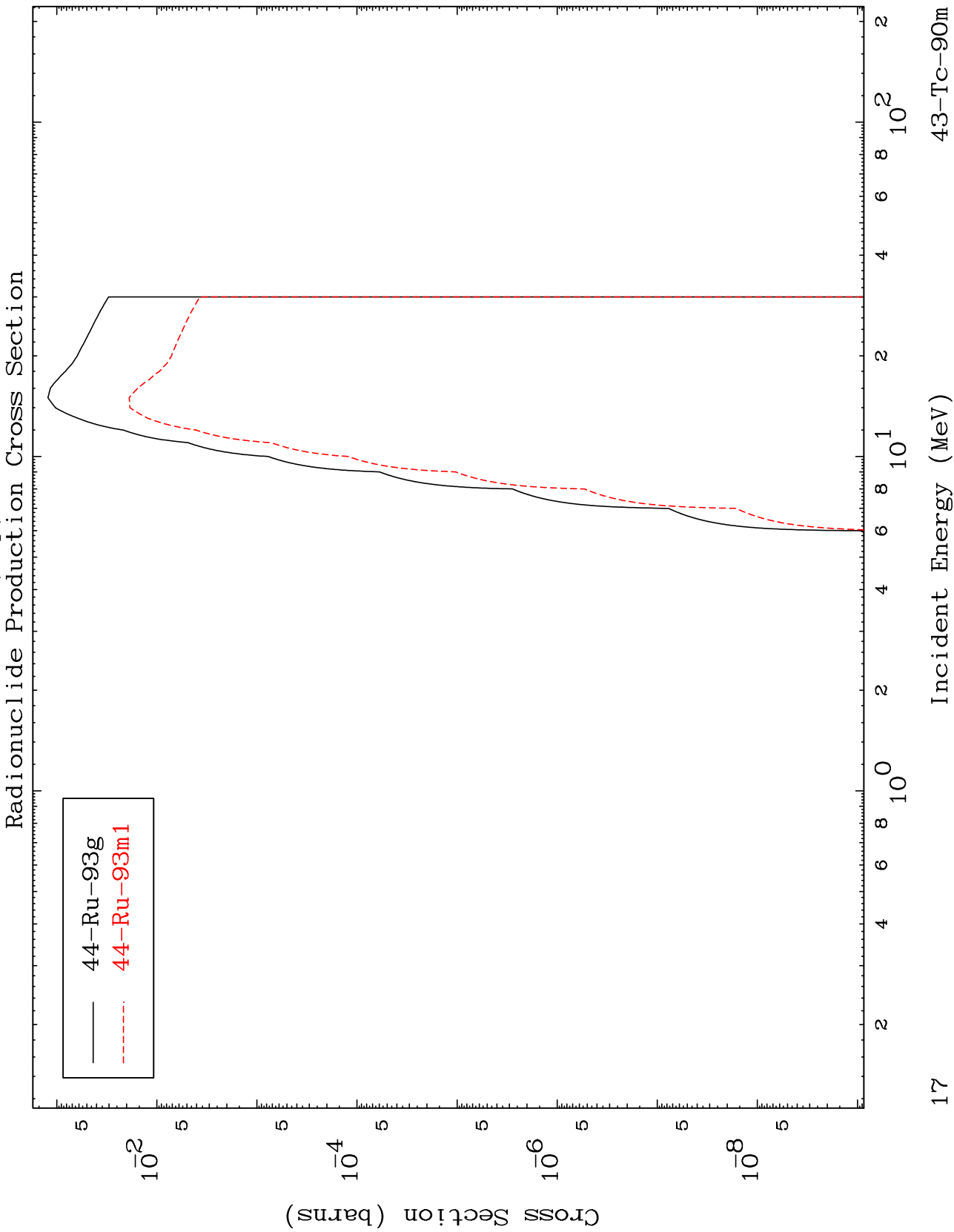
16

Incident Energy (MeV)

43-Tc-90m

MAT 4299

43-Tc-90m

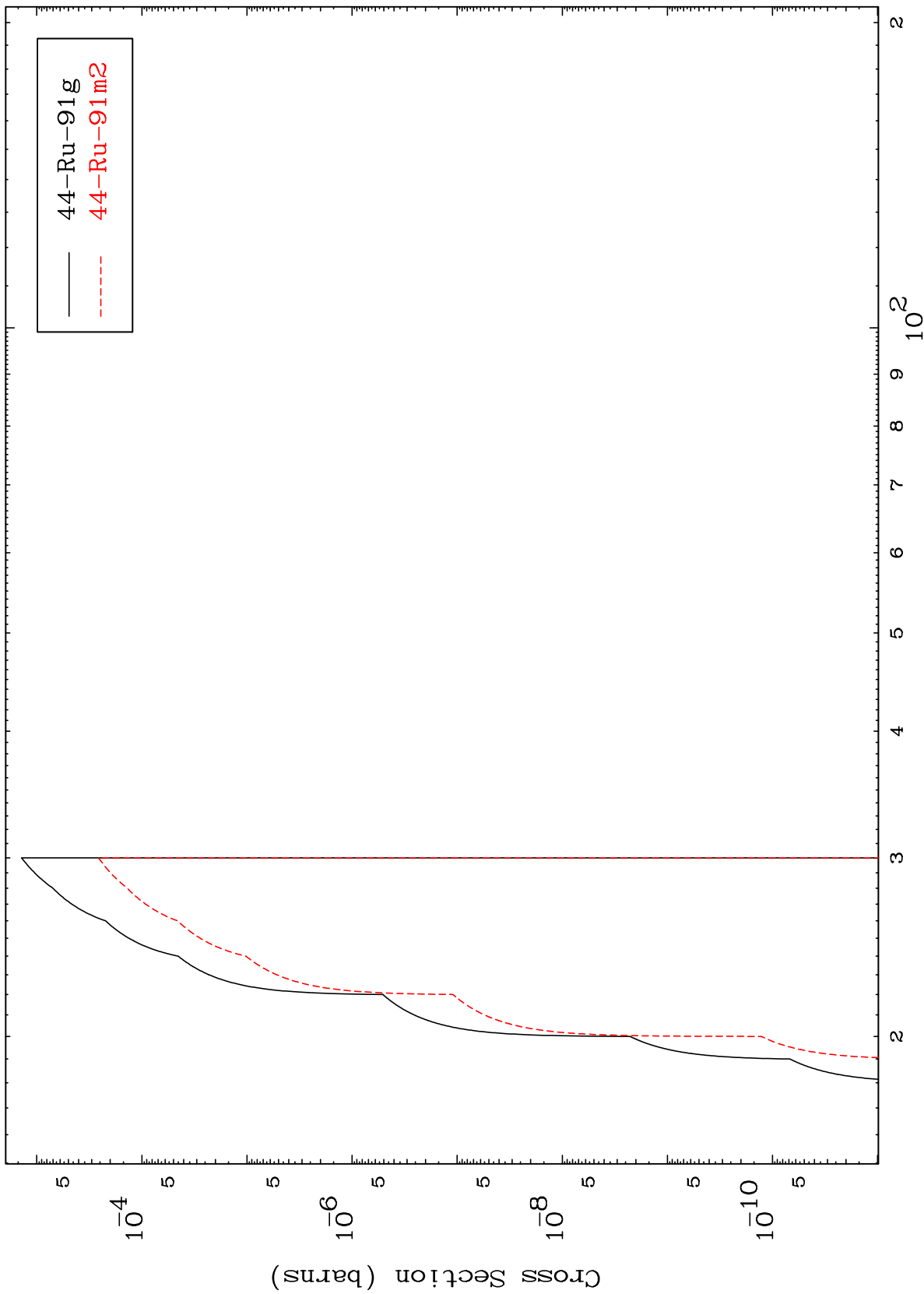


— 44-Ru-93g
- - - 44-Ru-93m1

MAT 4299

43-Tc-90m

(n, t)
Radionuclide Production Cross Section



18

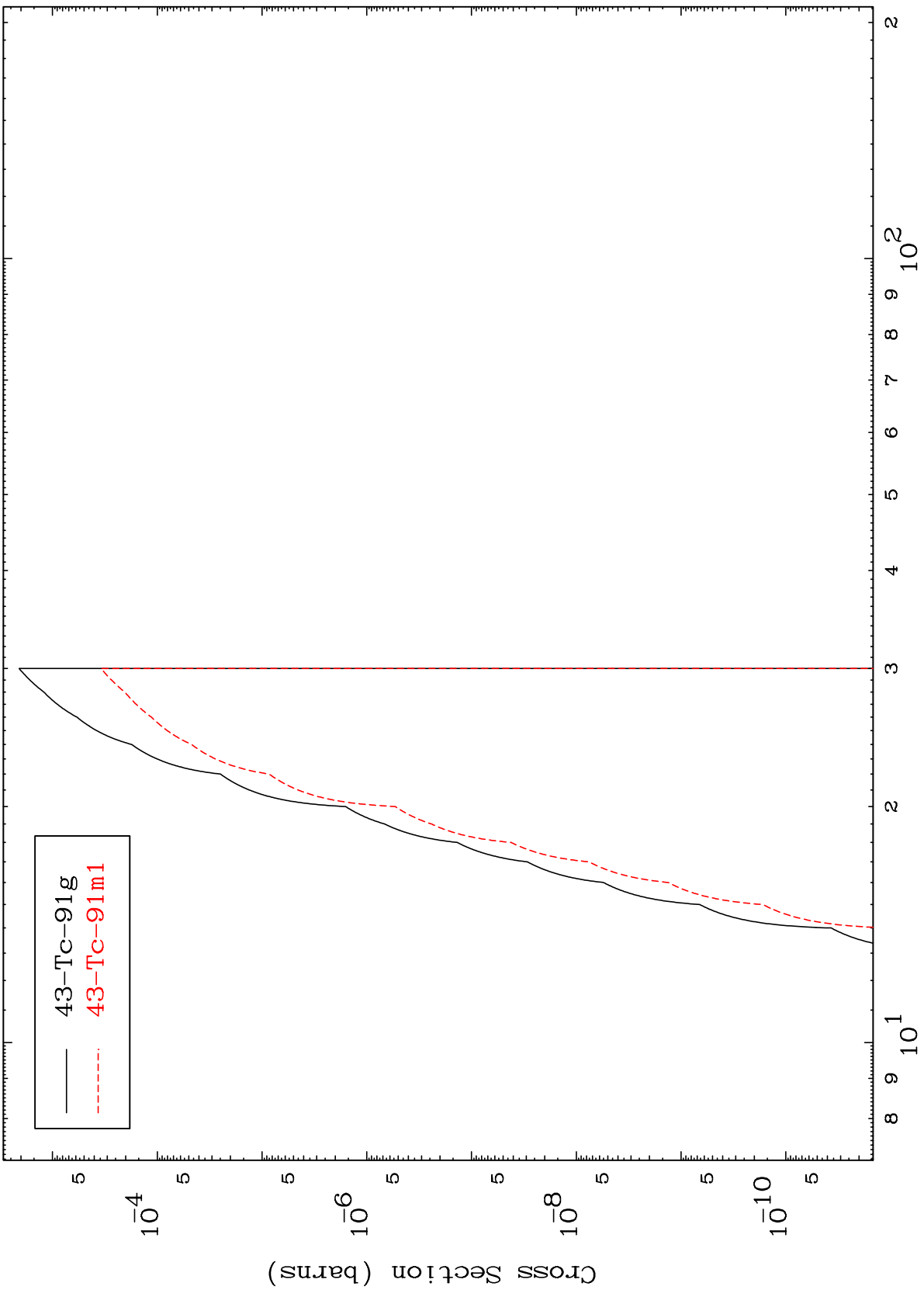
Incident Energy (MeV)

43-Tc-90m

MAT 4299

43-Tc-90m

Radionuclide Production Cross Section
(n,He-3)



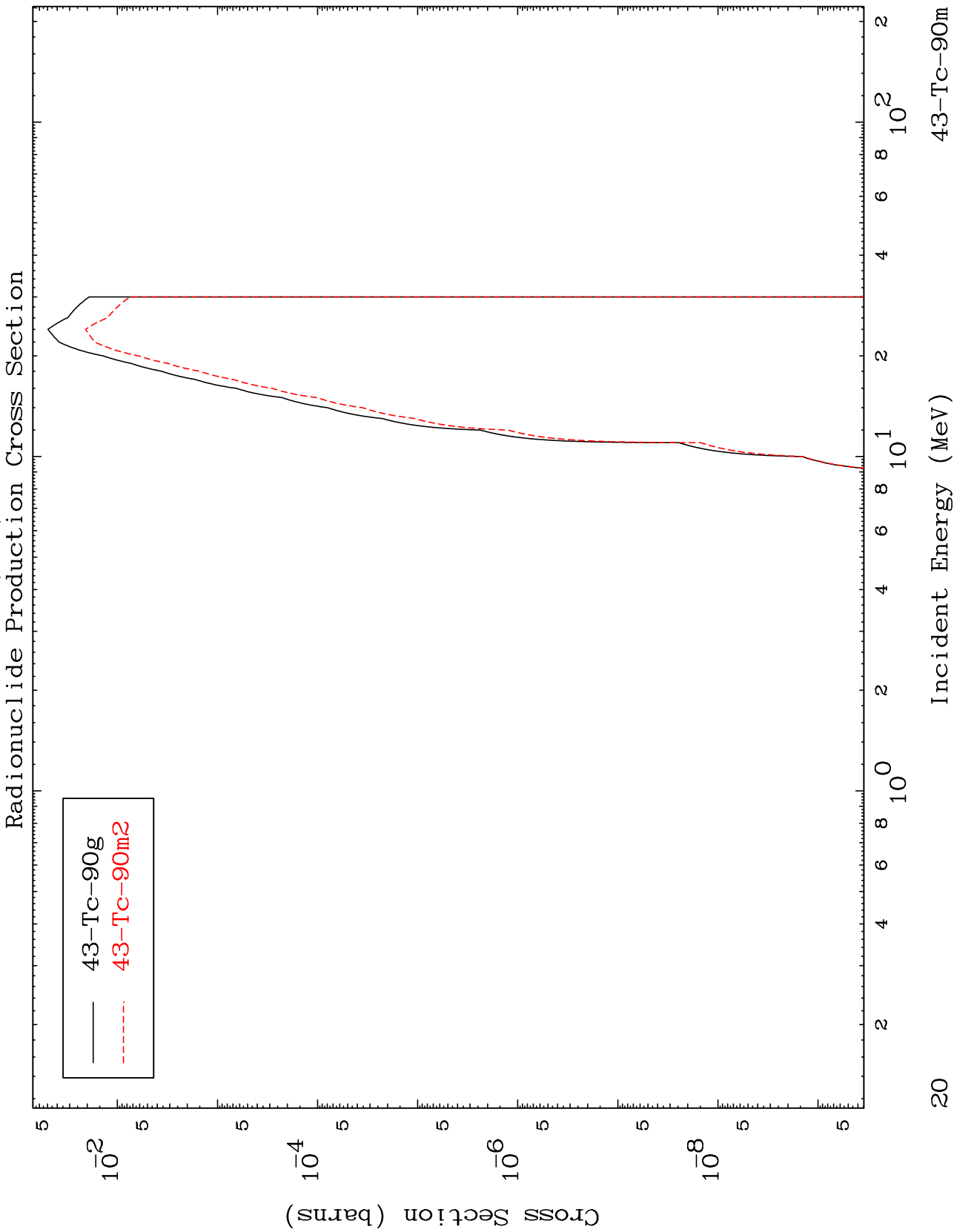
19

Incident Energy (MeV)

43-Tc-90m

MAT 4299

43-Tc-90m

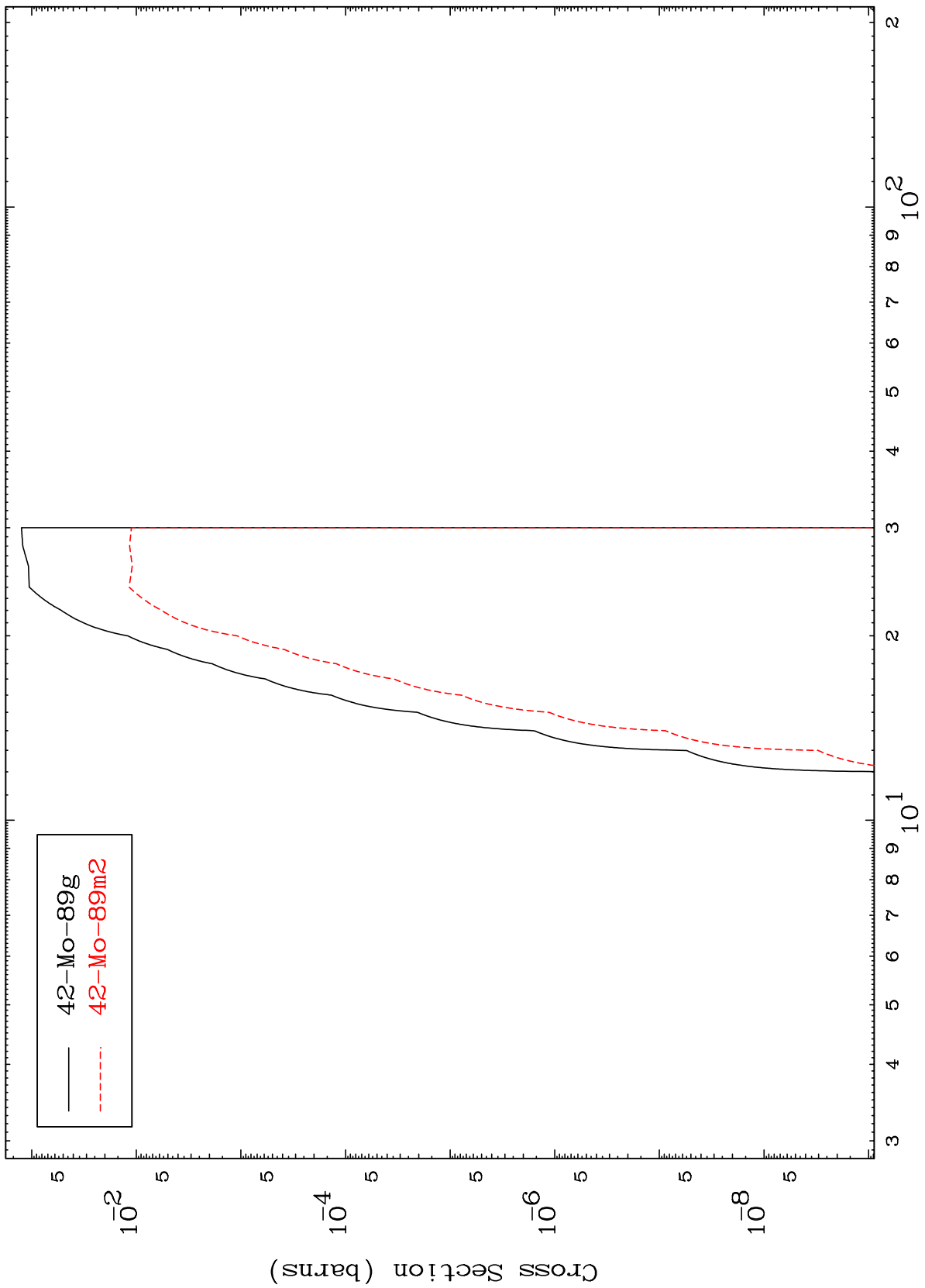


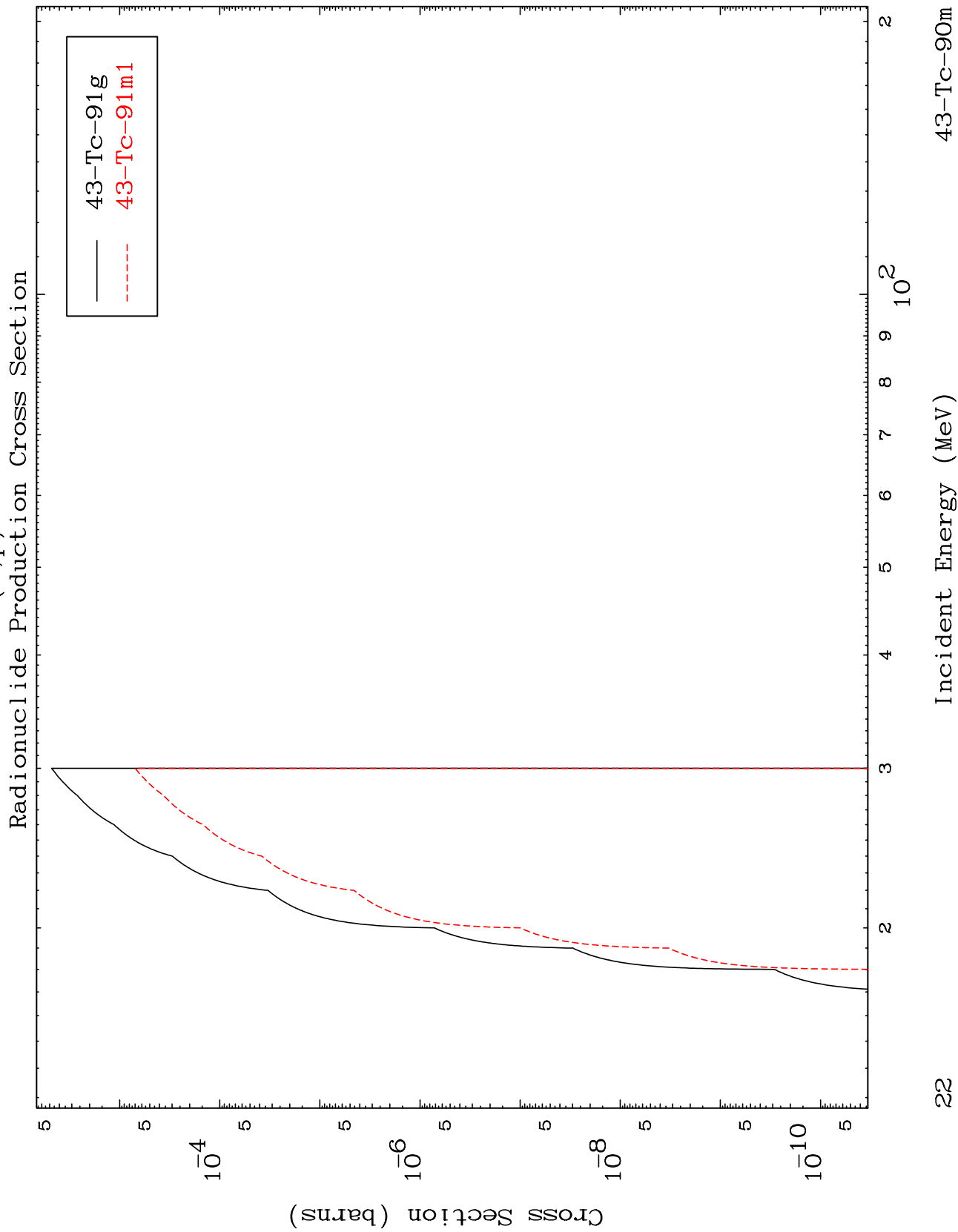
MAT 4299

(n,p) α

43-Tc-90m

Radionuclide Production Cross Section



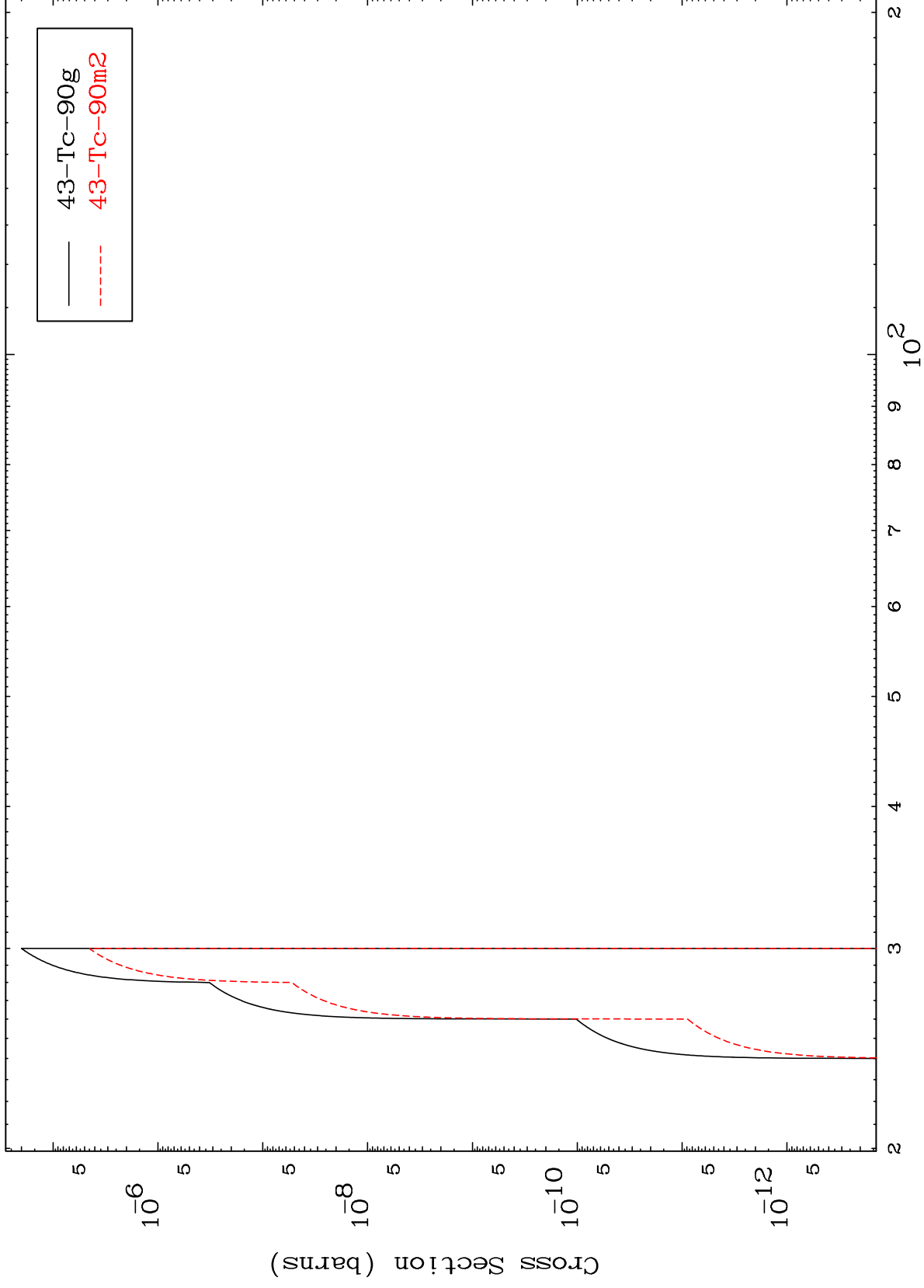


MAT 4299

(n,p) t

43-Tc-90m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

43-Tc-90m