

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

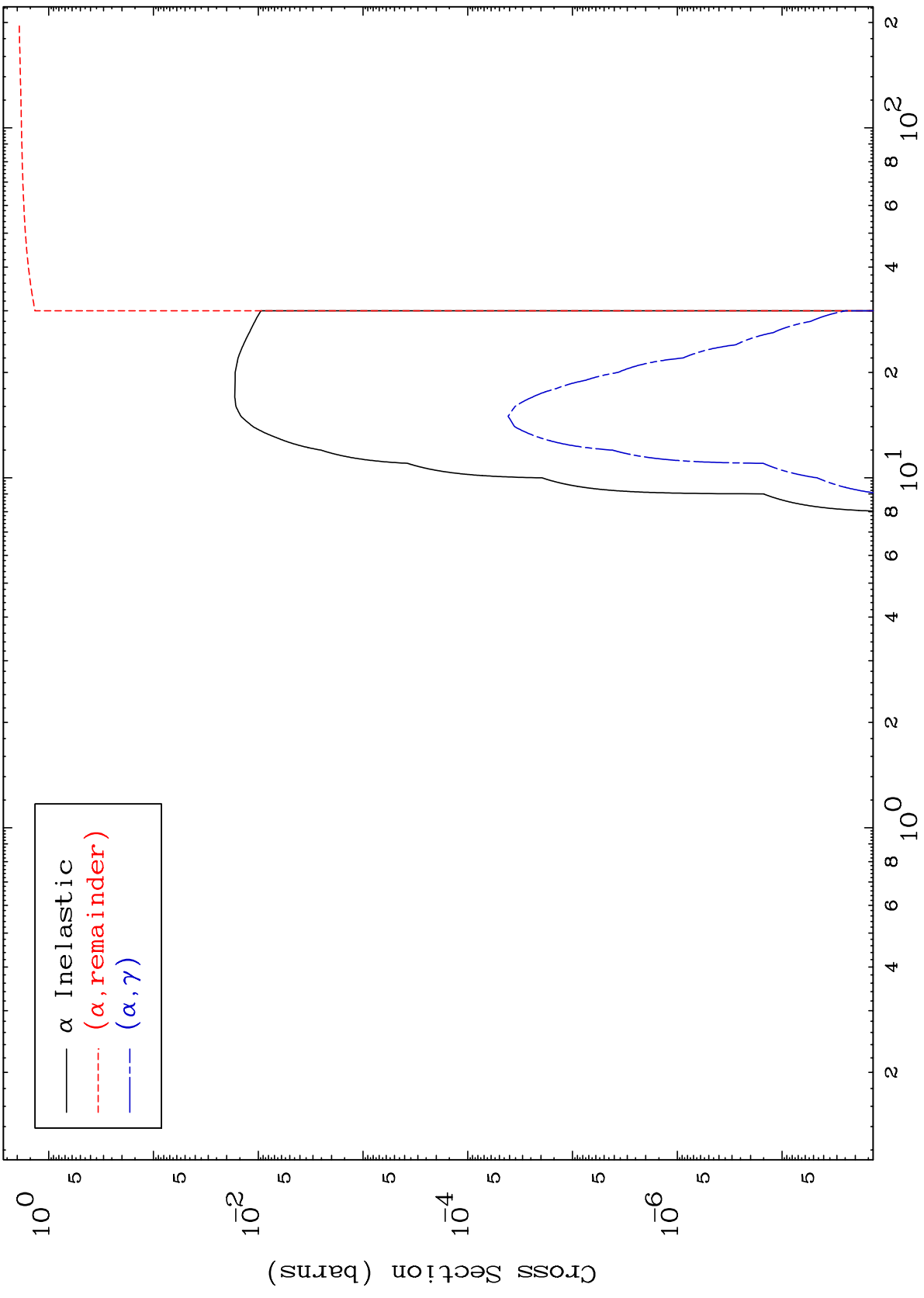
Press Mouse Button to Start

MAT 4299

α Major

43-Tc-90

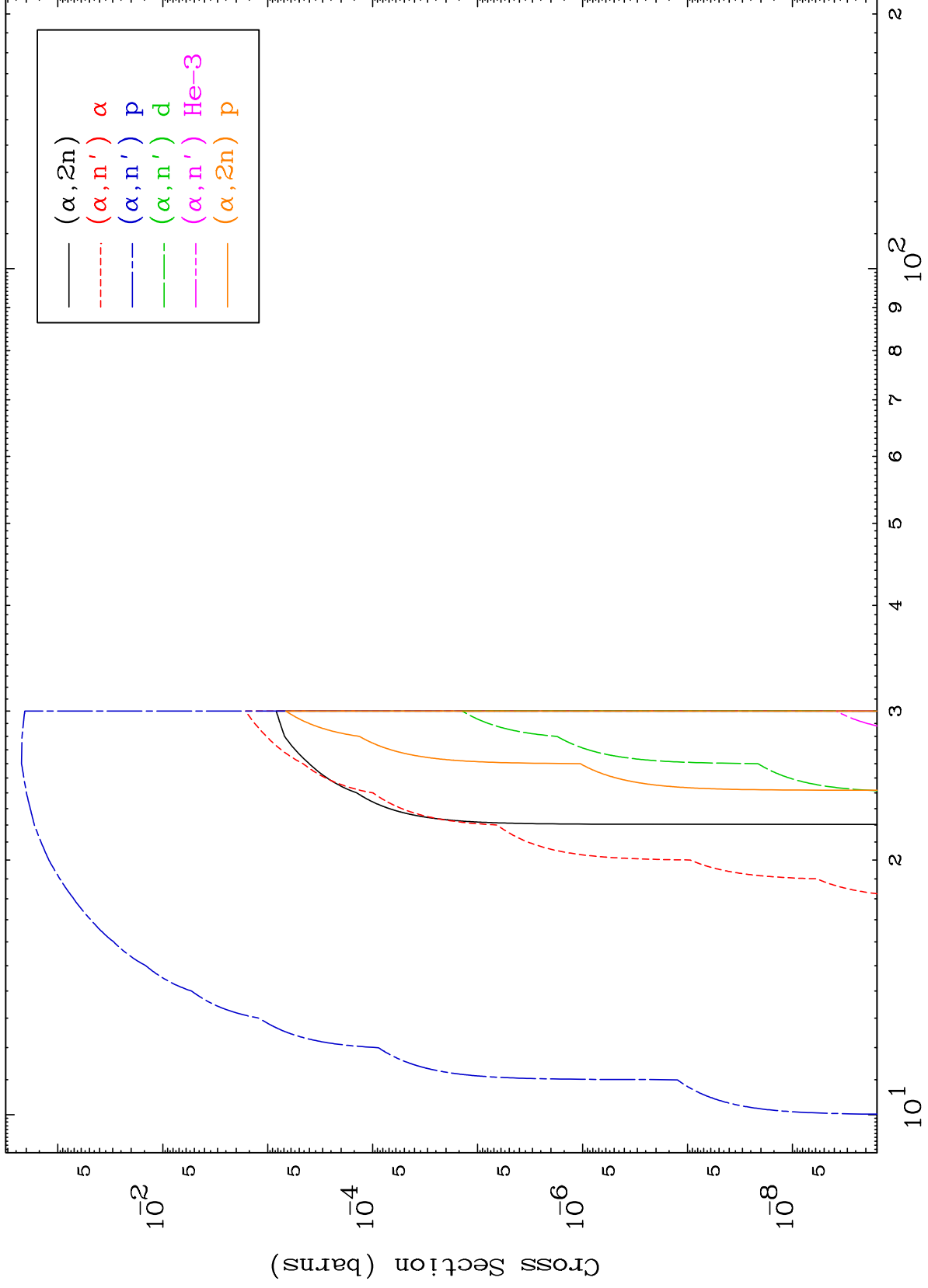
0 Kelvin Cross Sections



MAT 4299

α Neutron Production
0 Kelvin Cross Sections

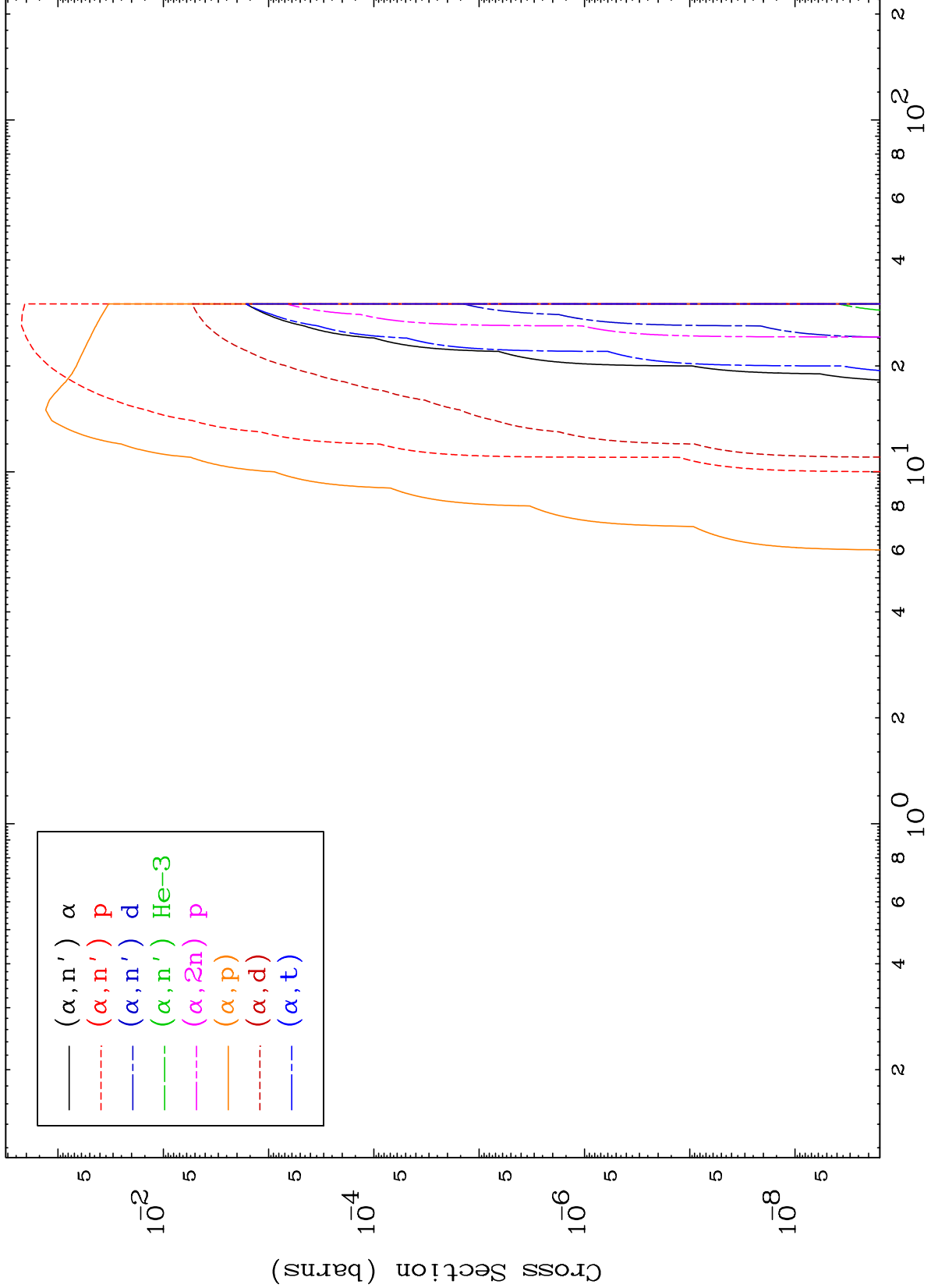
43-Tc-90



43-Tc-90

Incident Energy (MeV)

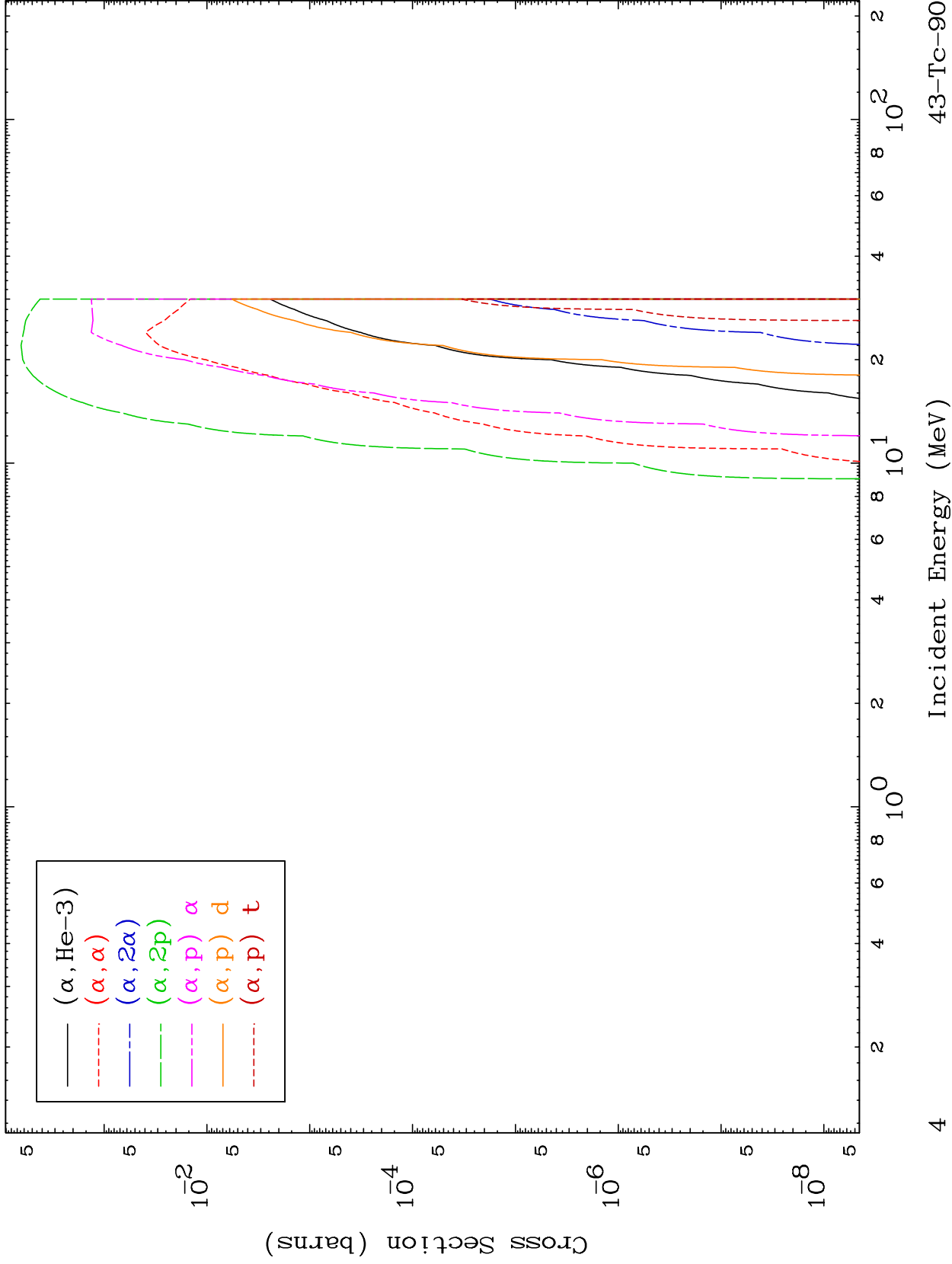
2



MAT 4299

α Charged Particle
0 Kelvin Cross Sections

43-Tc-90

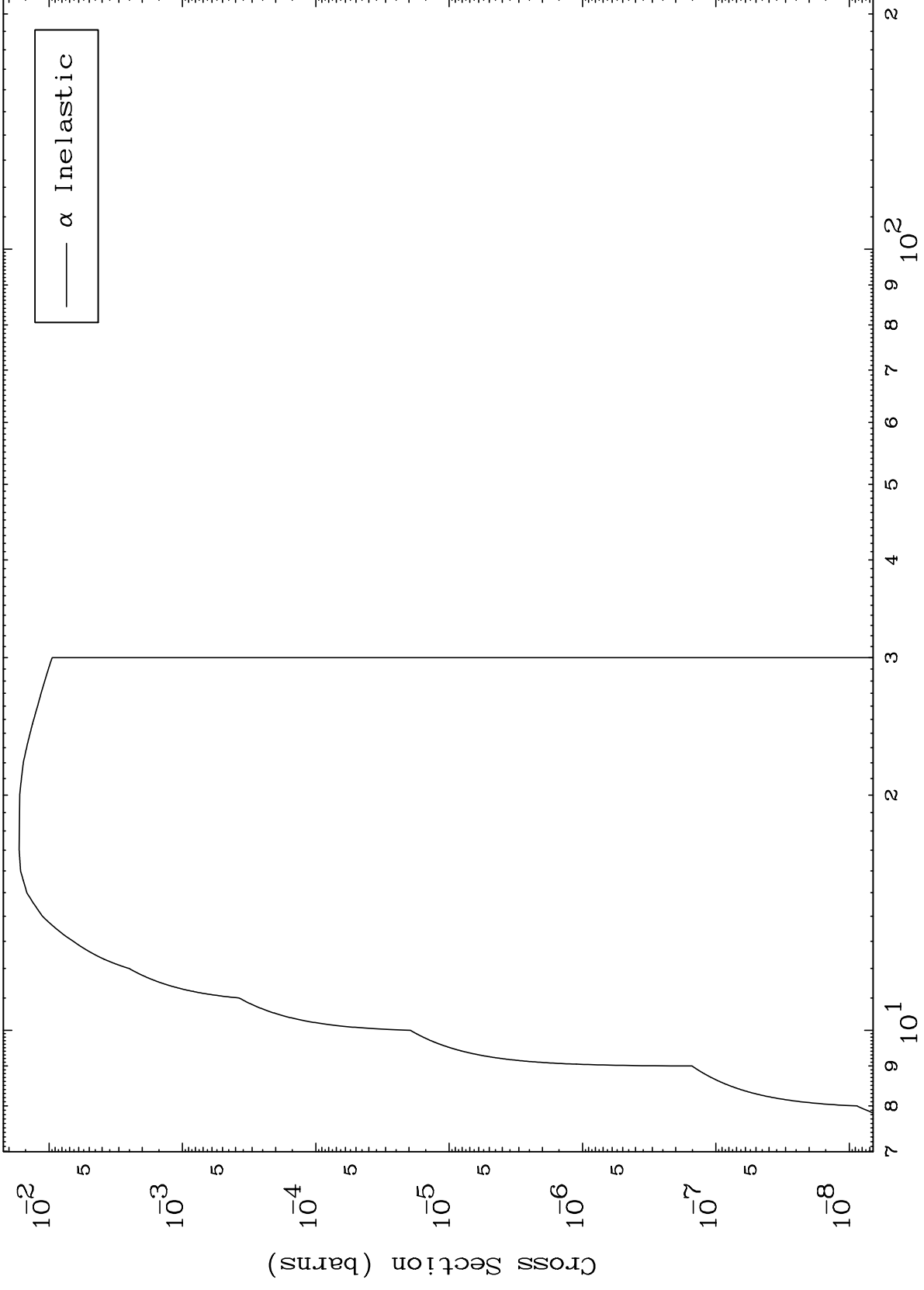


MAT 4299

(α, n') Level

43-Tc-90

0 Kelvin Cross Sections



5

Incident Energy (MeV)

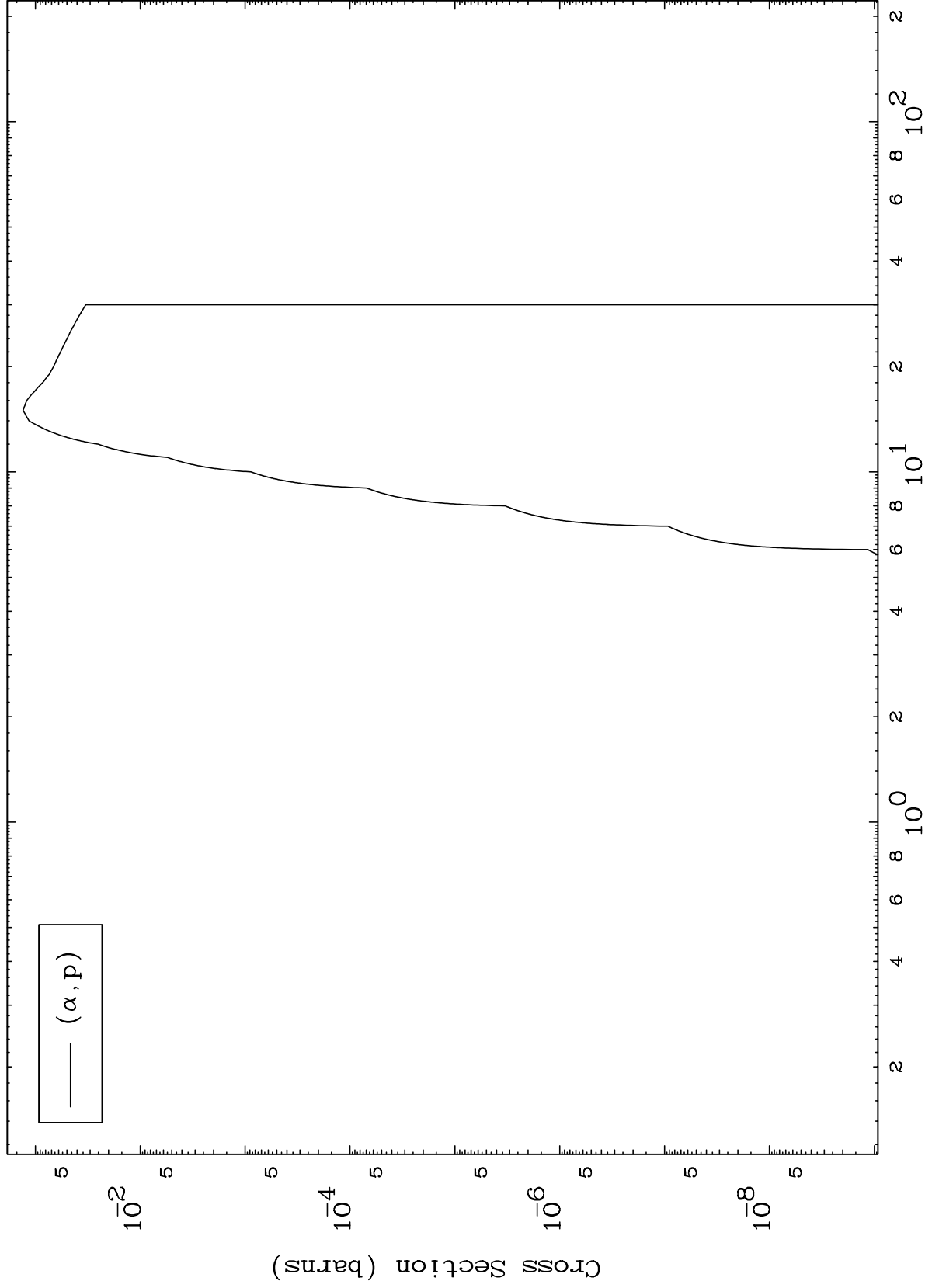
43-Tc-90

MAT 4299

(α, p) Levels

43-Tc-90

0 Kelvin Cross Sections



6

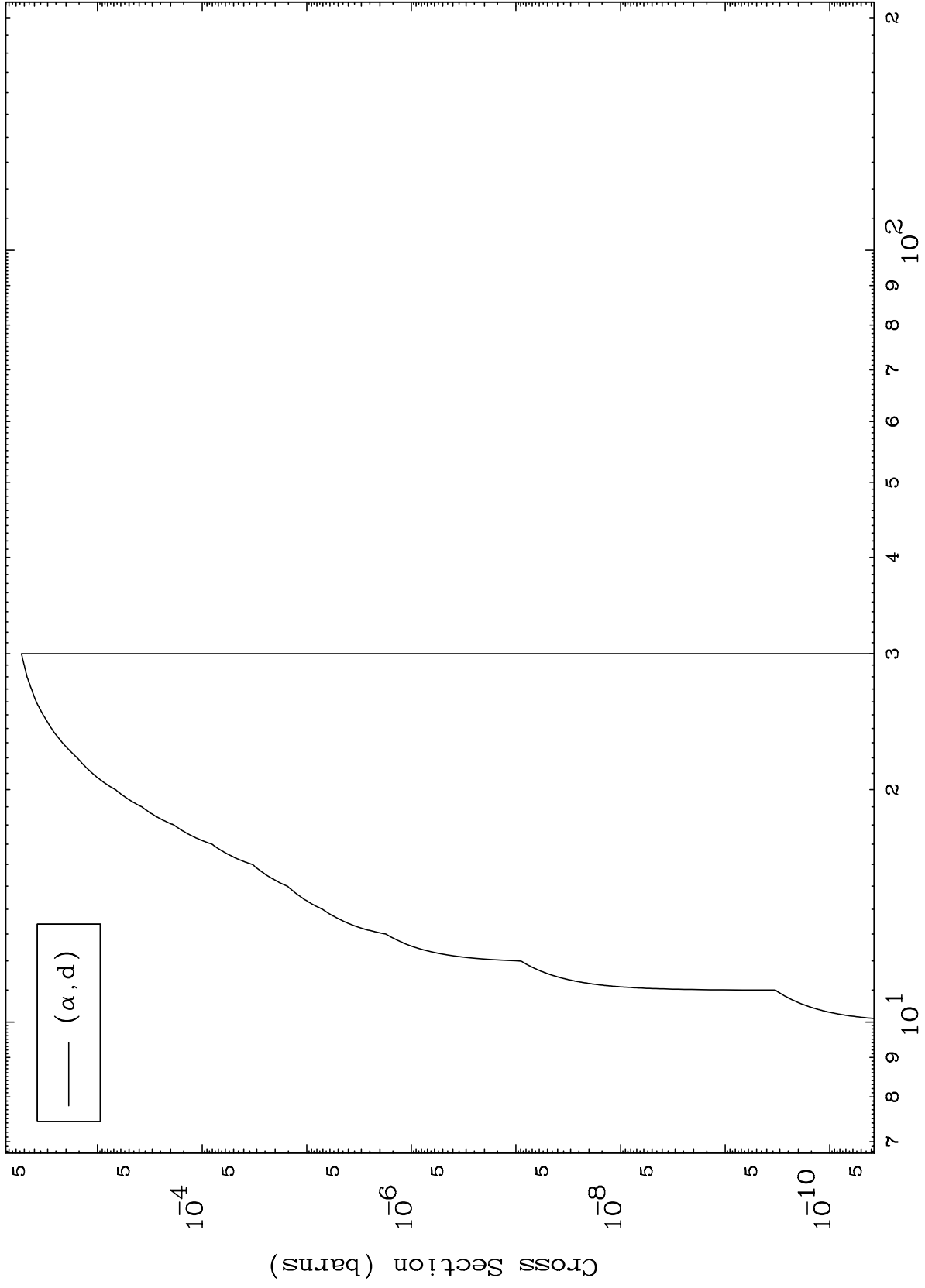
Incident Energy (MeV)

43-Tc-90

MAT 4299

(α, d) Levels
0 Kelvin Cross Sections

43-Tc-90



7

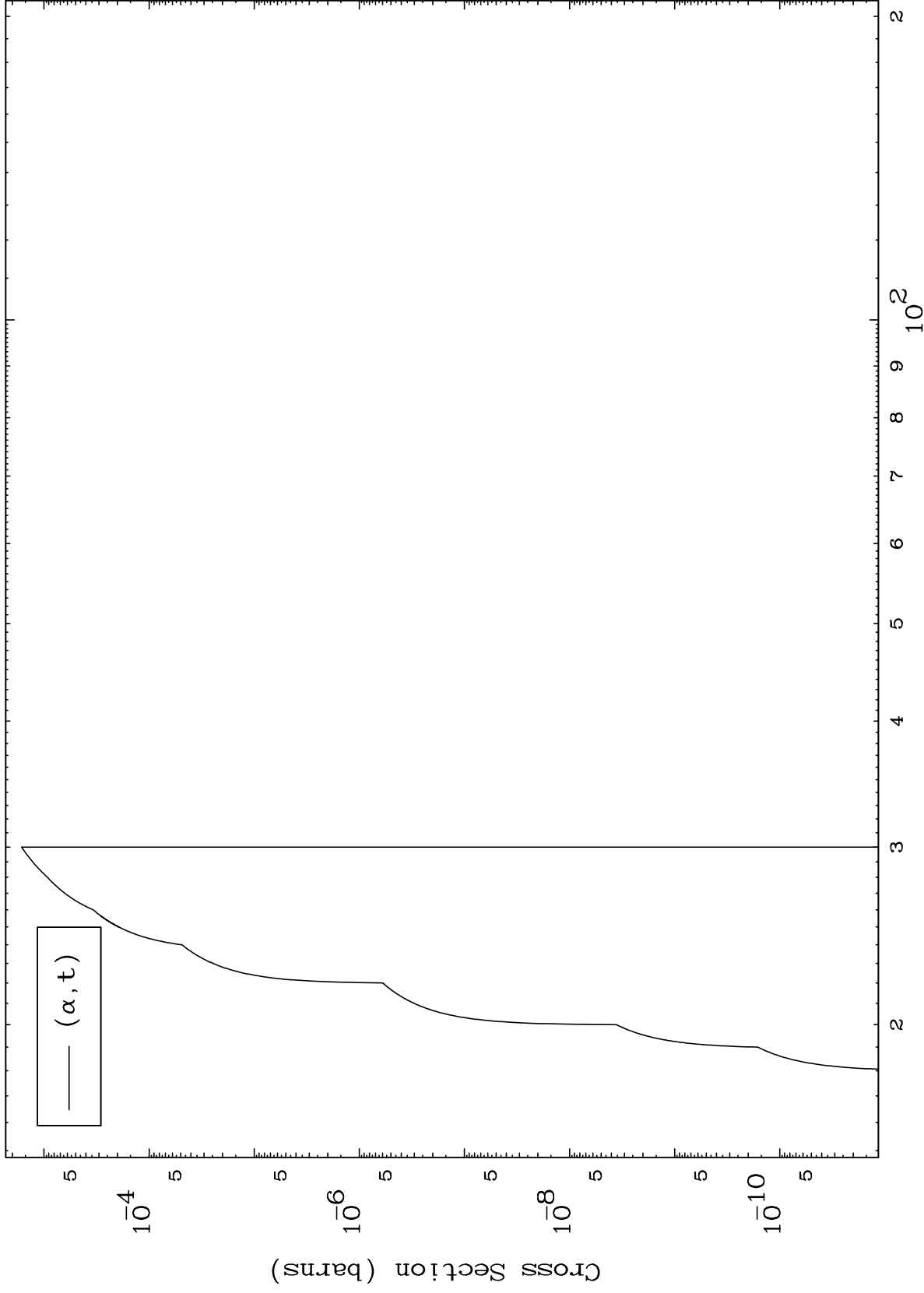
Incident Energy (MeV)

43-Tc-90

MAT 4299

(α, t) Levels
0 Kelvin Cross Sections

43-Tc-90



8

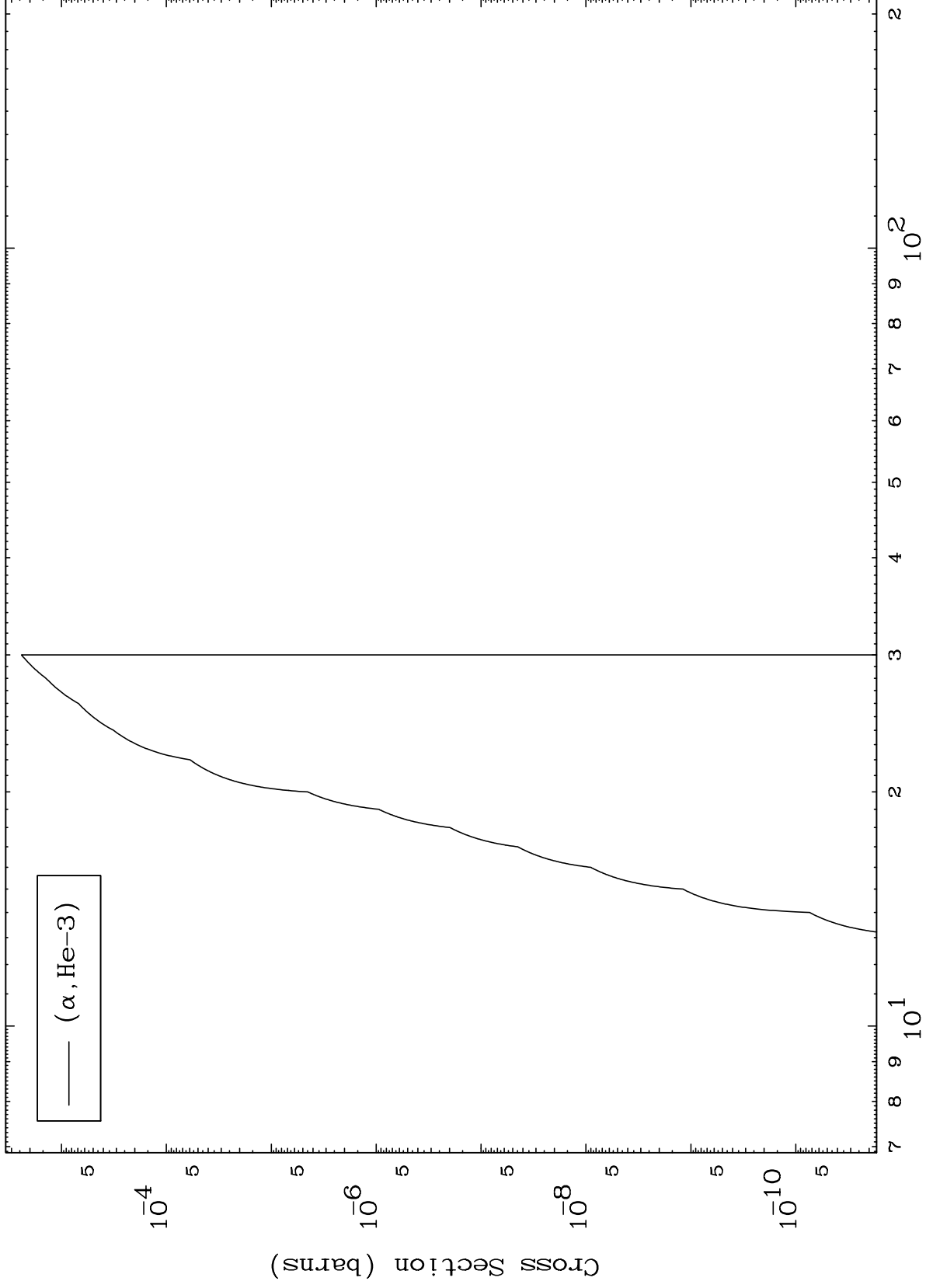
Incident Energy (MeV)

43-Tc-90

MAT 4299

(α , He3) Levels
0 Kelvin Cross Sections

43-Tc-90



9

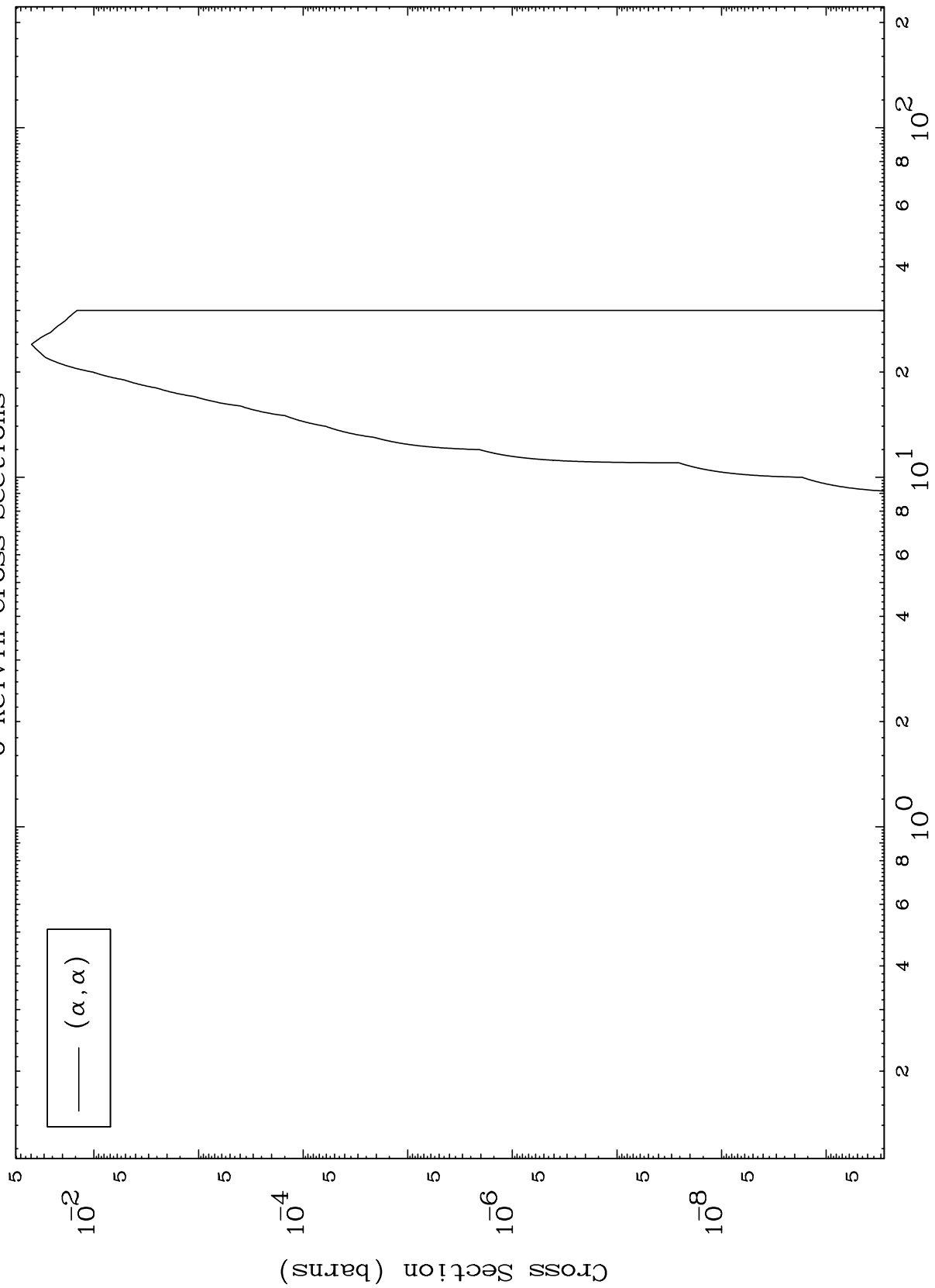
Incident Energy (MeV)

43-Tc-90

MAT 4299

43-Tc-90

(α, α) Levels
0 Kelvin Cross Sections



10

Incident Energy (MeV)

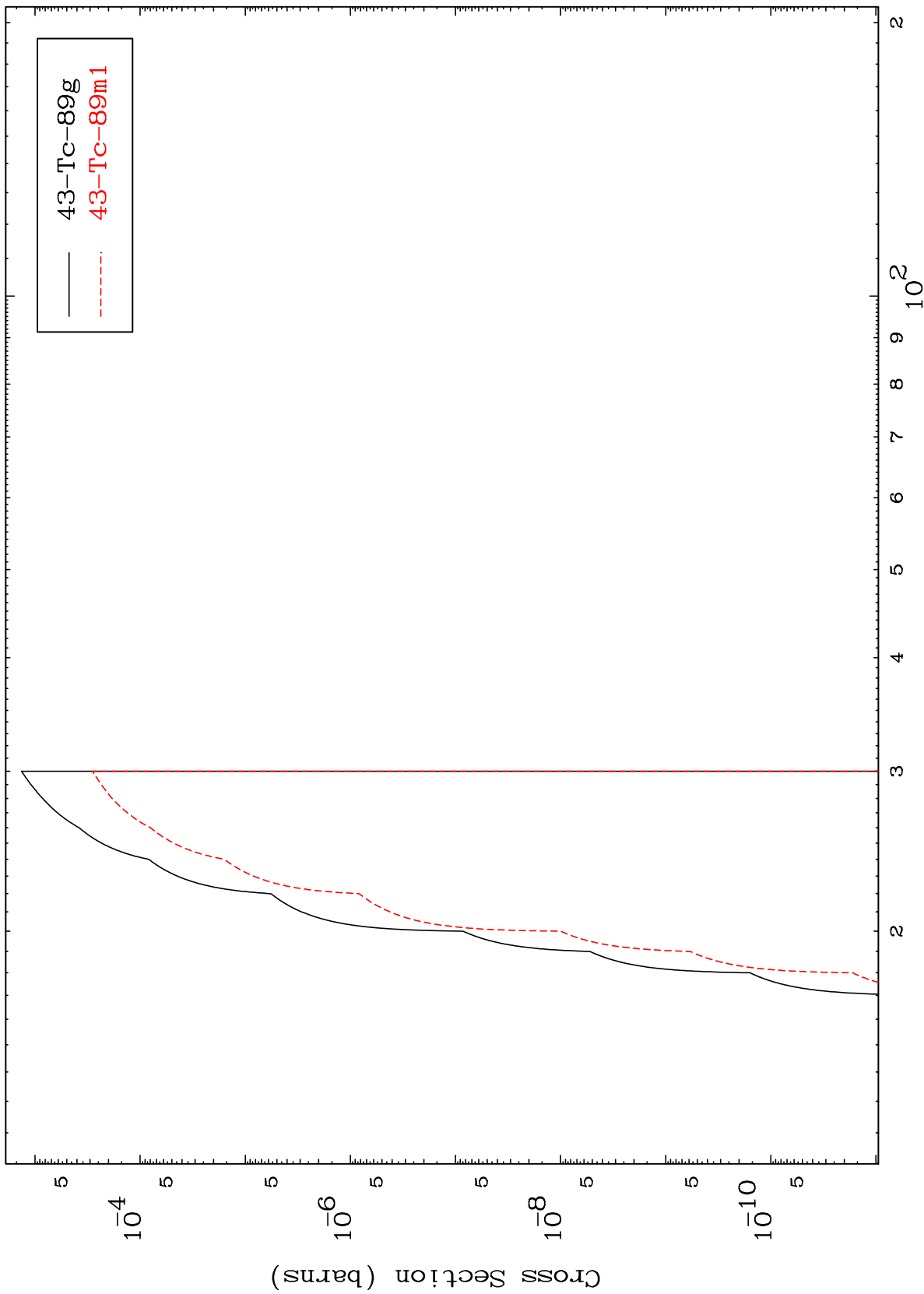
43-Tc-90

MAT 4299

(α, n') α

43-Tc-90

Radionuclide Production Cross Section



11

Incident Energy (MeV)

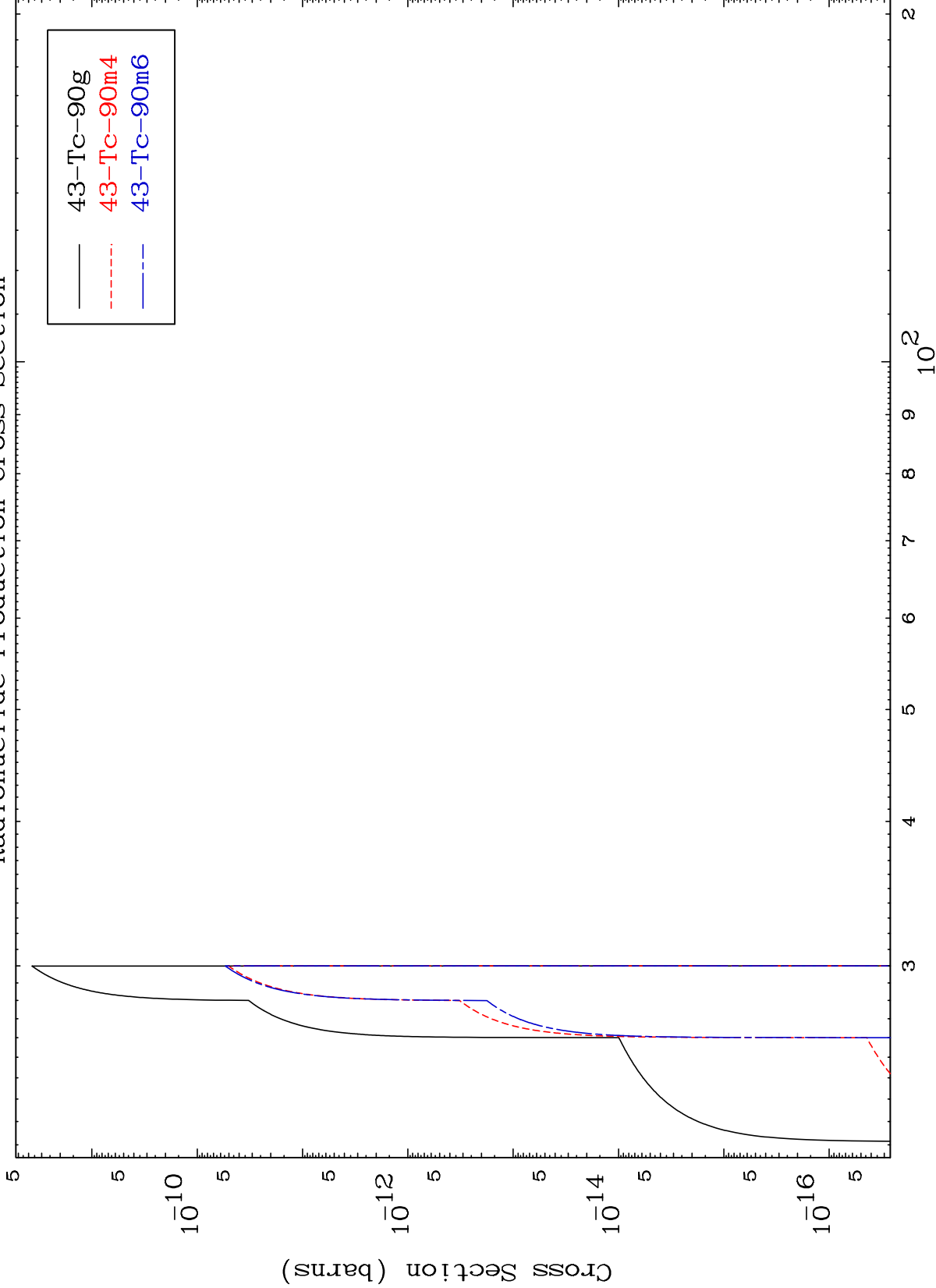
43-Tc-90

MAT 4299

(α, n') He-3

43-Tc-90

Radionuclide Production Cross Section

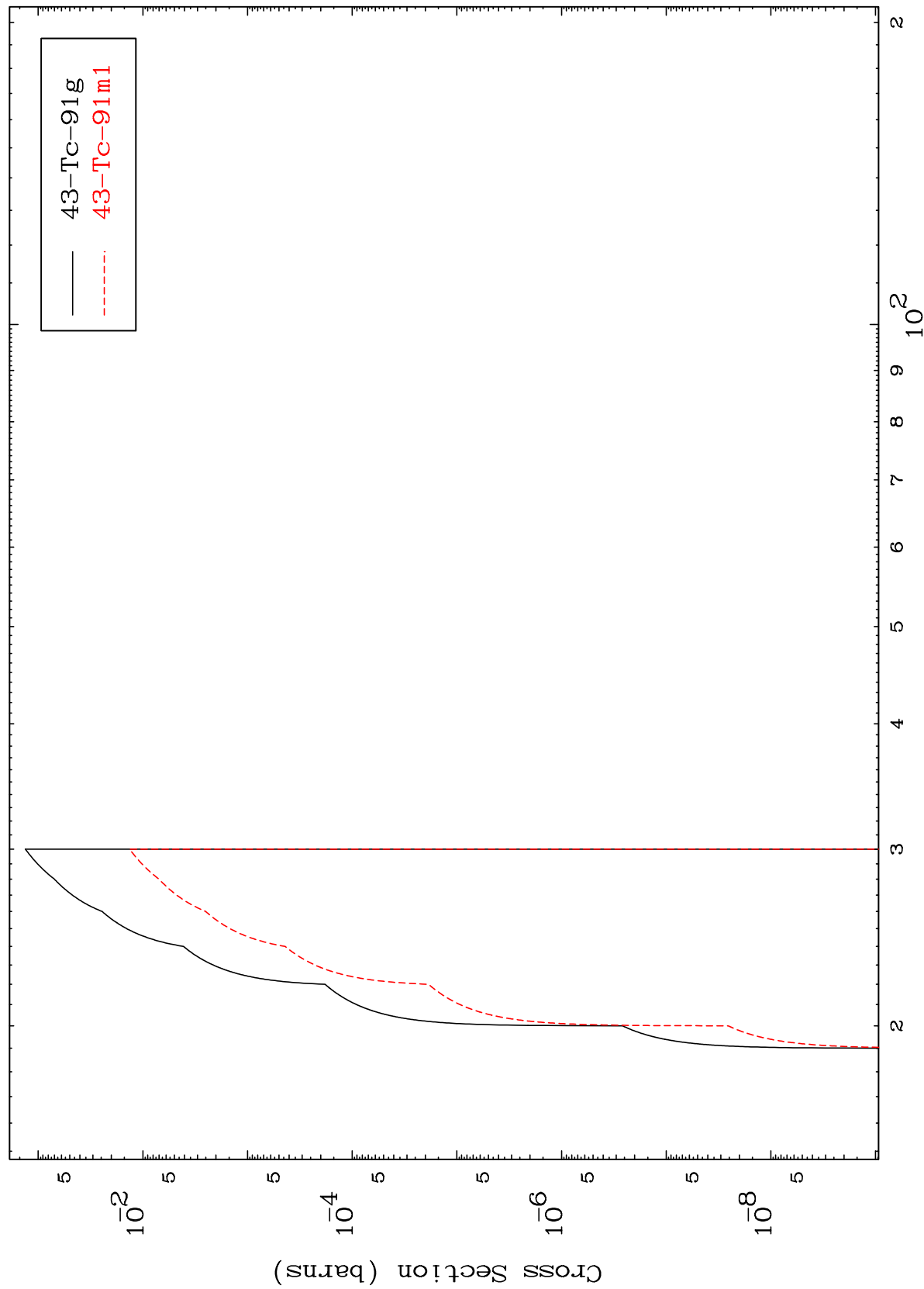


12

Incident Energy (MeV)

43-Tc-90

Radionuclide Production Cross Section

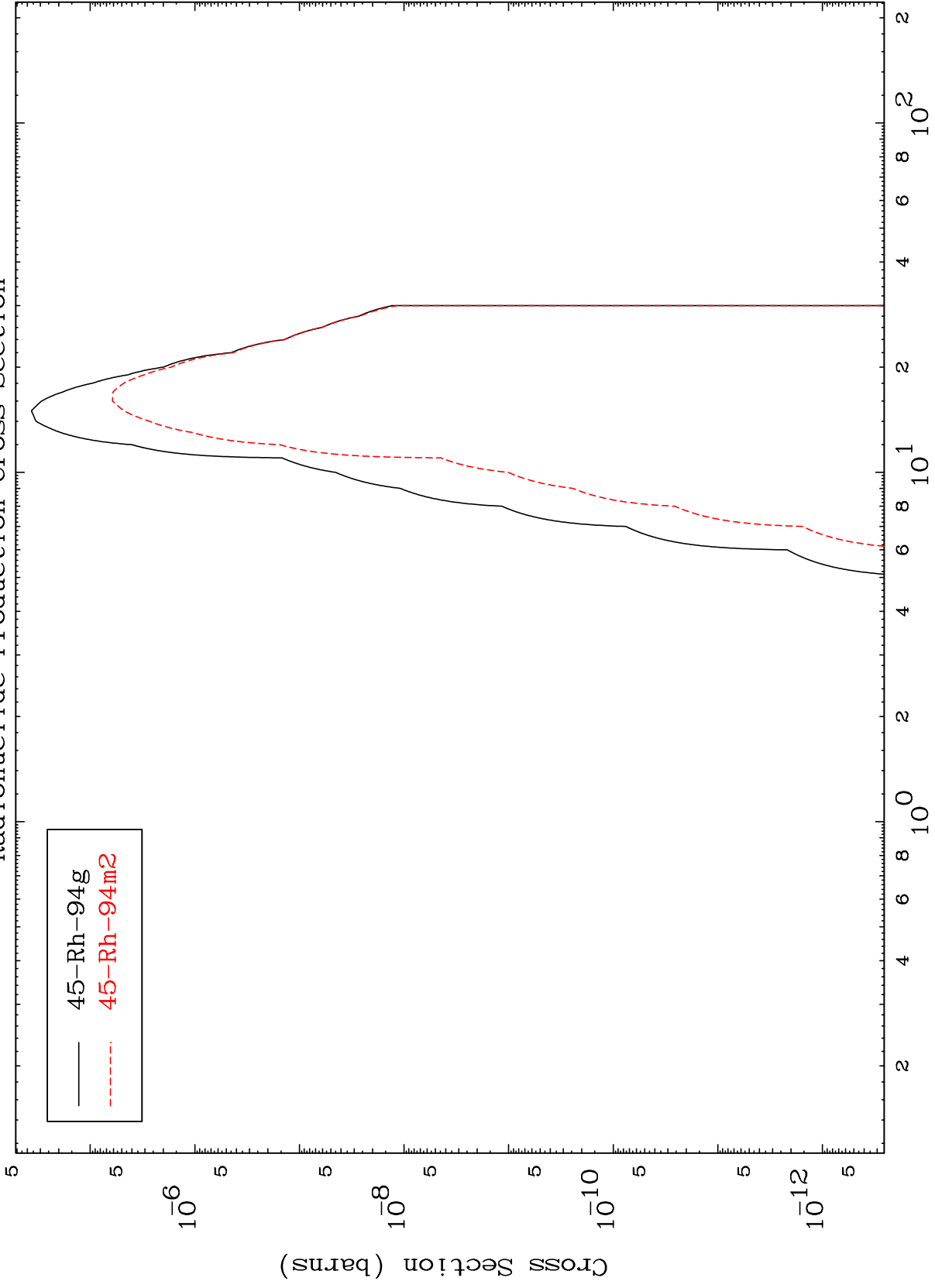


43-Tc-91g
43-Tc-91m1

MAT 4299

43-Tc-90

(α, γ)
Radionuclide Production Cross Section



— 45-Rh-94g
- - - 45-Rh-94m2

43-Tc-90

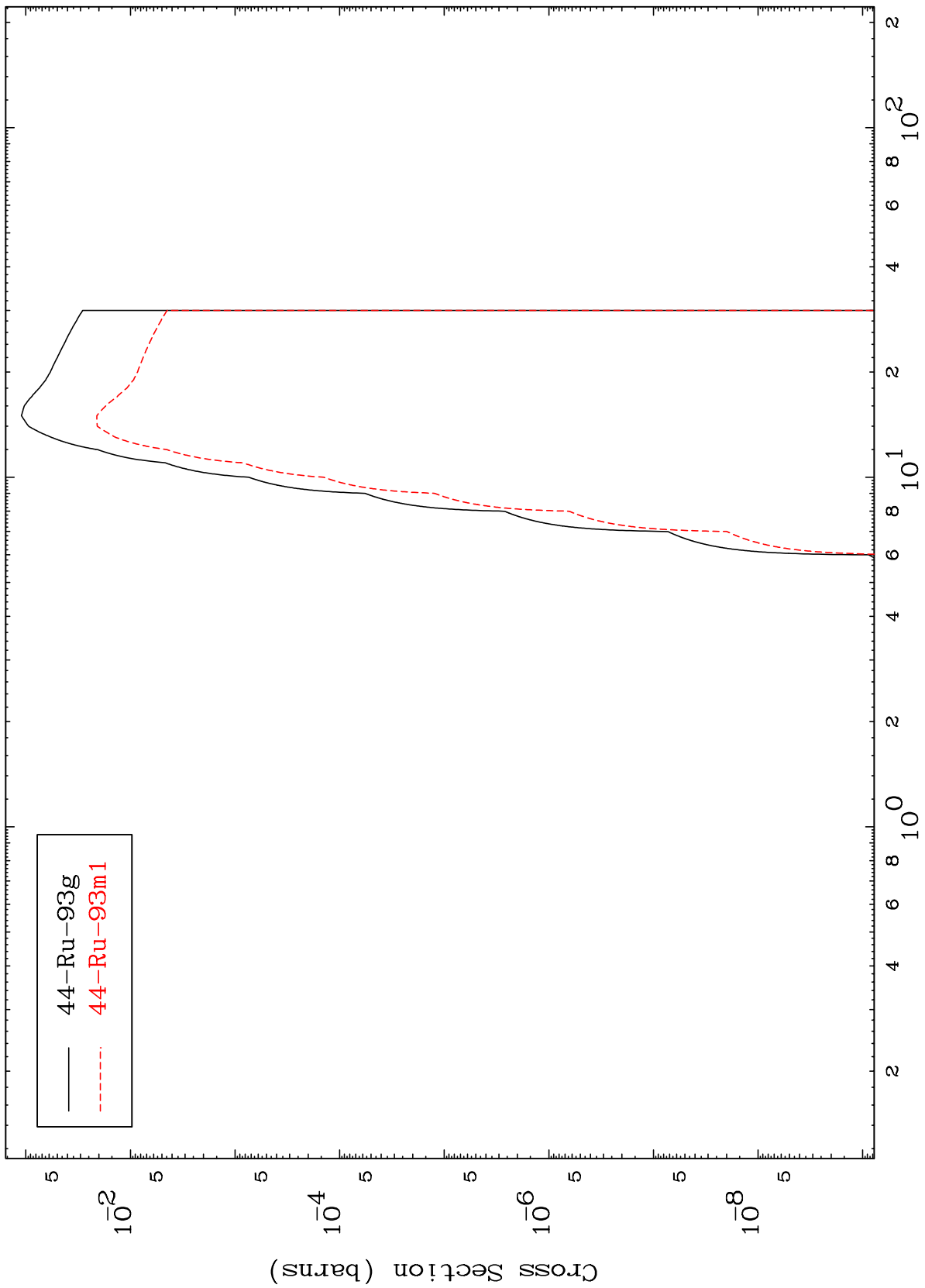
Incident Energy (MeV)

14

MAT 4299

43-Tc-90

(α, p)
Radionuclide Production Cross Section



— 44-Ru-93g
- - - 44-Ru-93m1

43-Tc-90

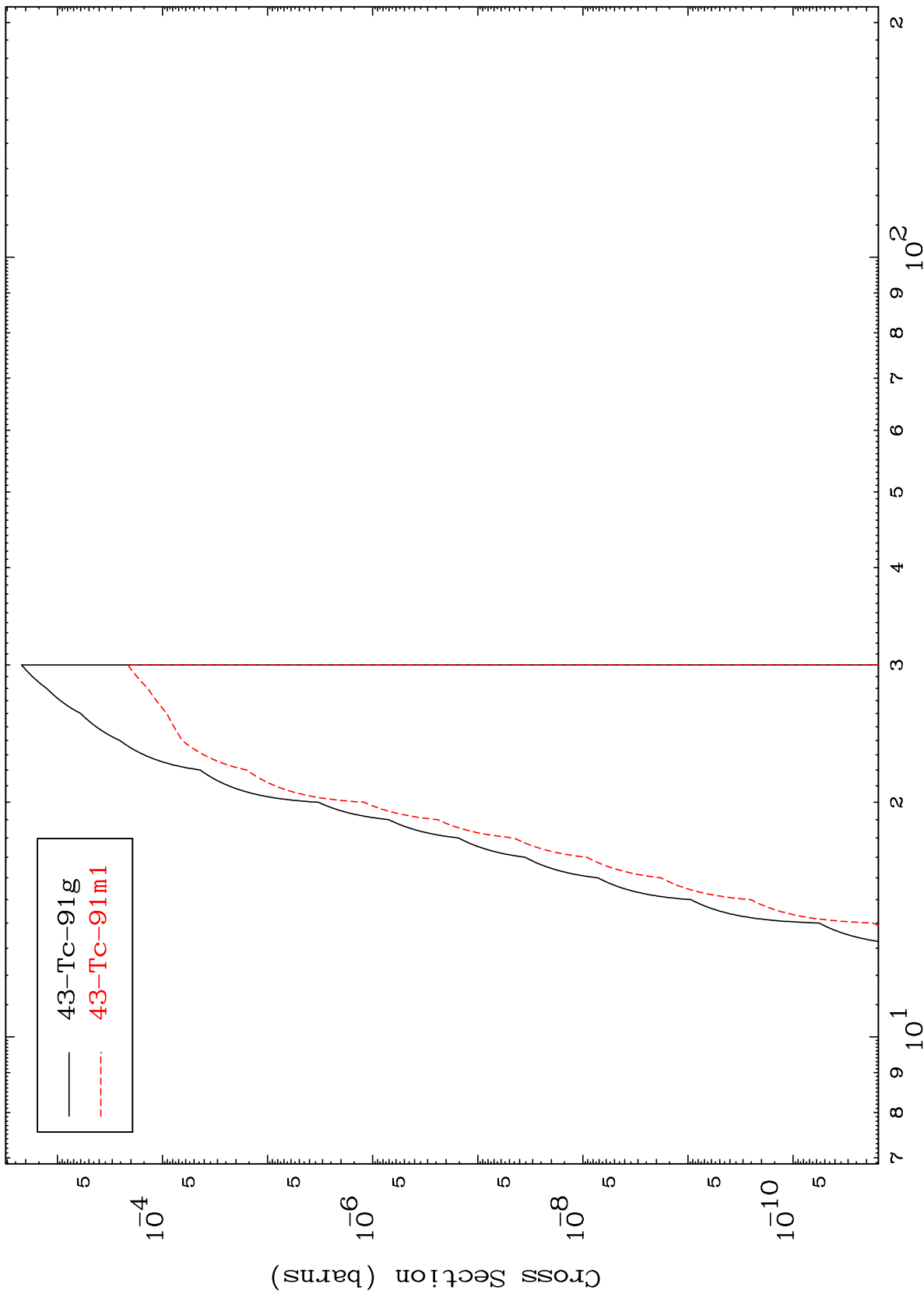
Incident Energy (MeV)

15

MAT 4299

43-Tc-90

($\alpha, \text{He-3}$)
Radionuclide Production Cross Section



16

Incident Energy (MeV)

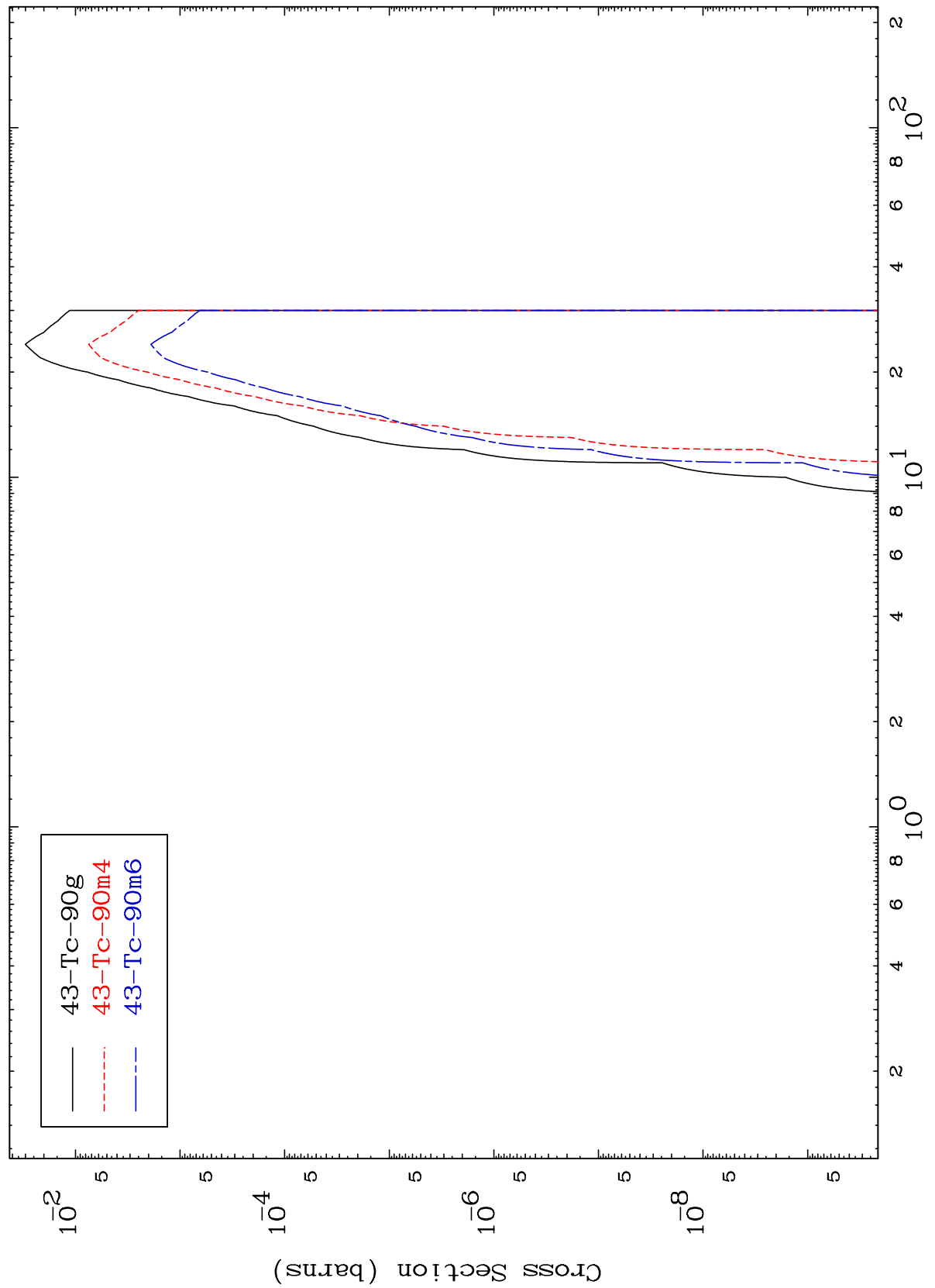
43-Tc-90

MAT 4299

43-Tc-90

(α, α)

Radionuclide Production Cross Section

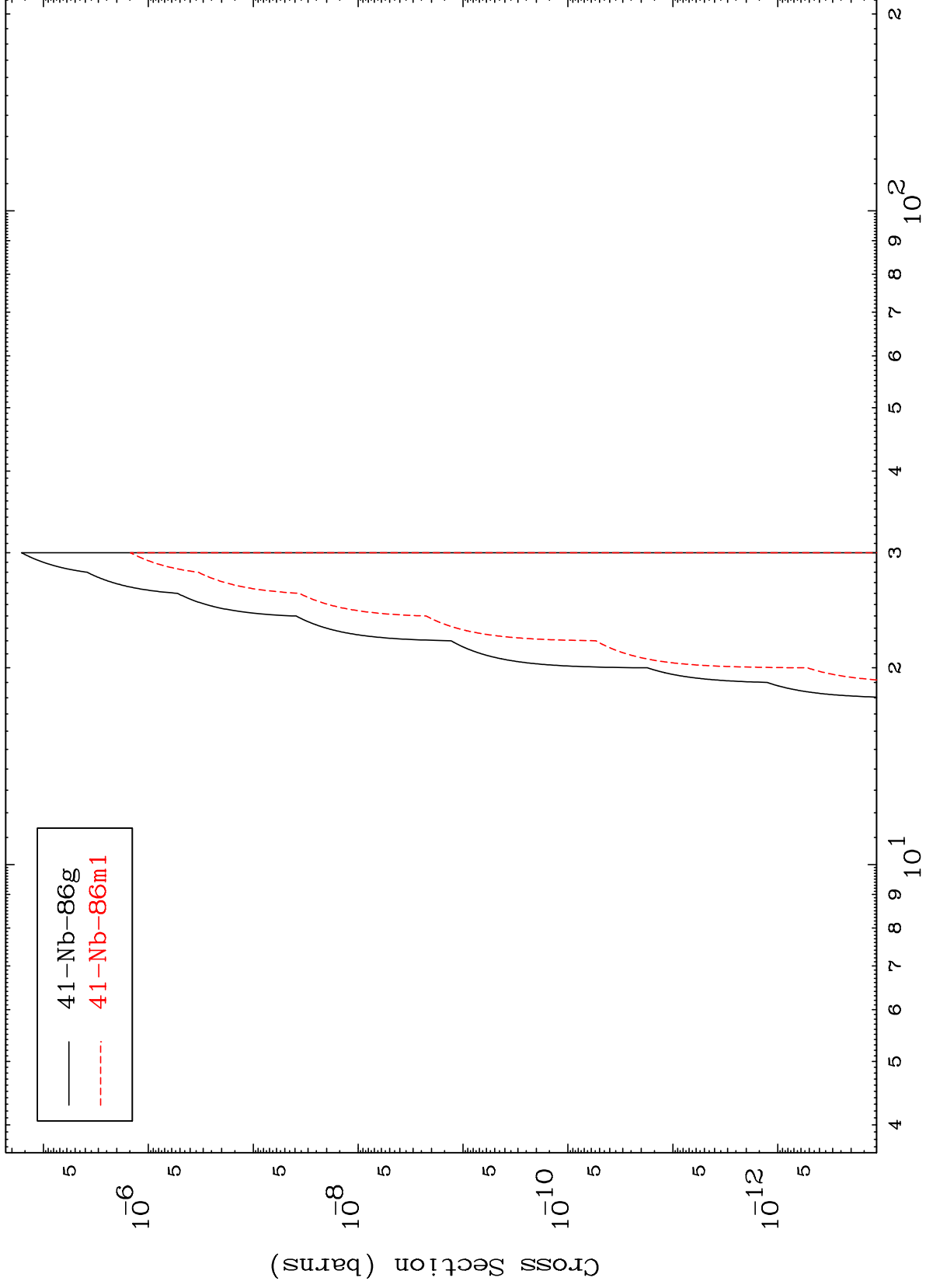


Legend:
— 43-Tc-90g
- - - 43-Tc-90m4
- · - 43-Tc-90m6

MAT 4299

43-Tc-90

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



18

Incident Energy (MeV)

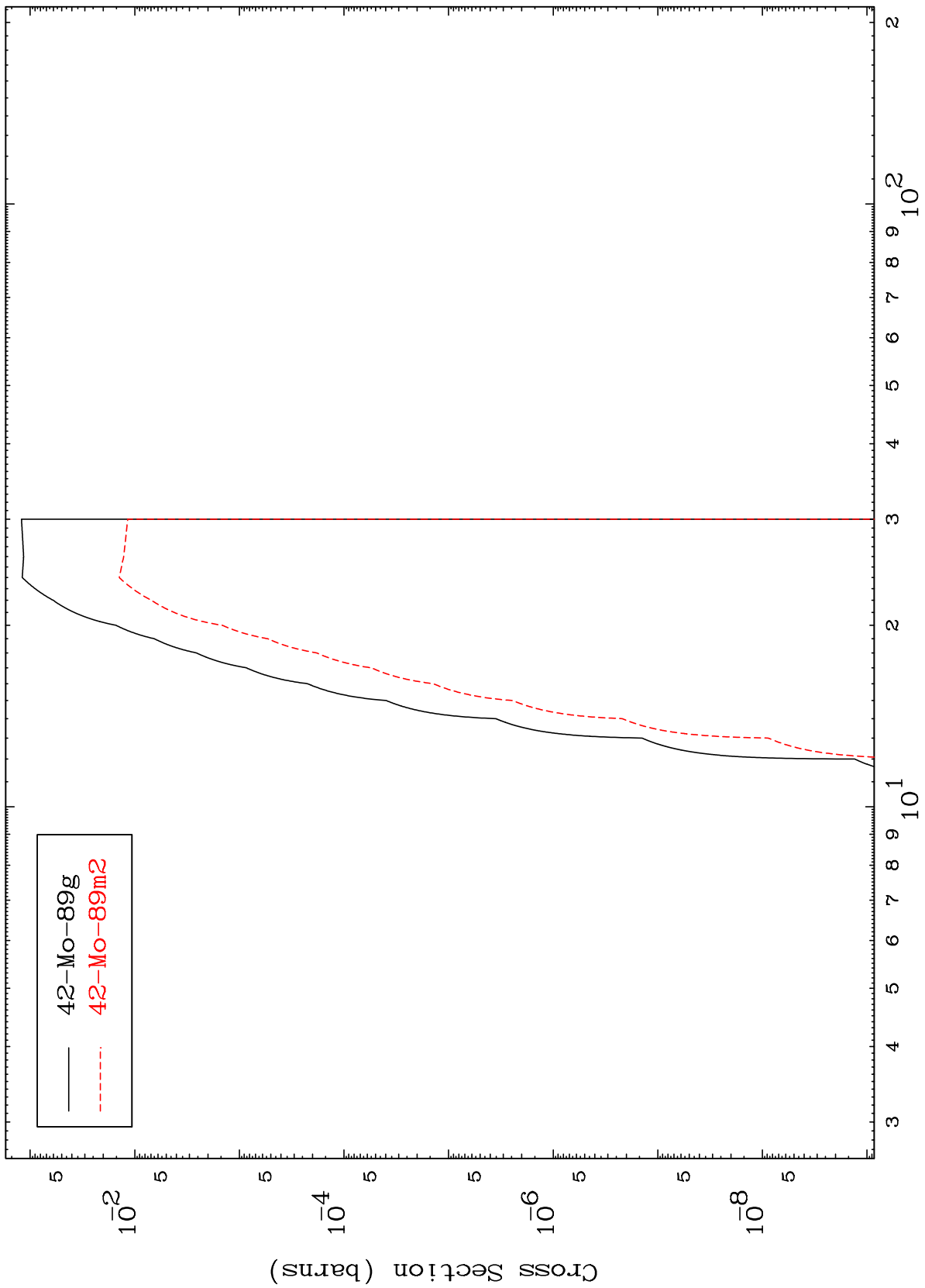
43-Tc-90

MAT 4299

(α, p) α

43-Tc-90

Radionuclide Production Cross Section



19

Incident Energy (MeV)

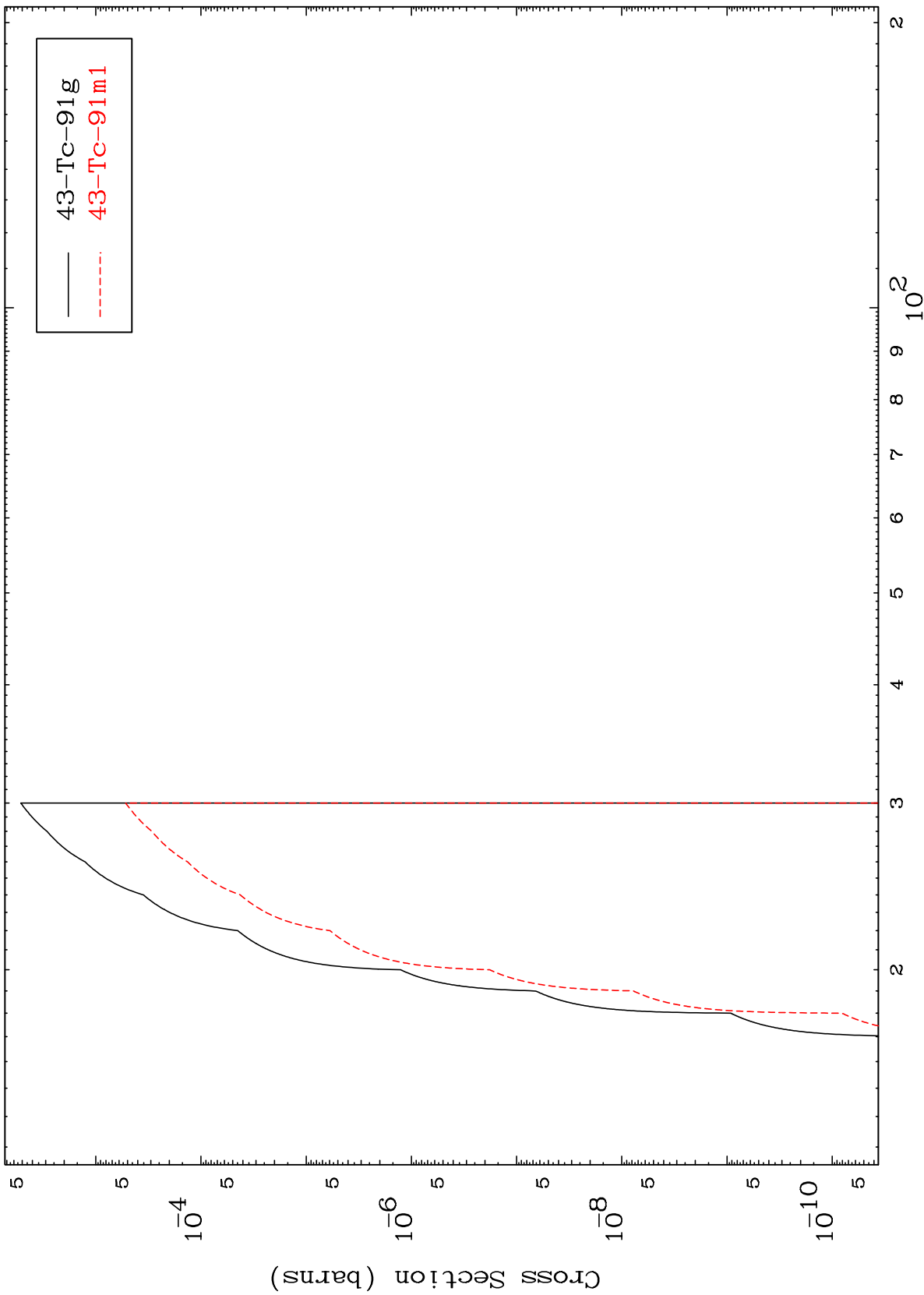
43-Tc-90

MAT 4299

(α, p) d

43-Tc-90

Radionuclide Production Cross Section



20

Incident Energy (MeV)

43-Tc-90

Radionuclide Production Cross Section

