

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

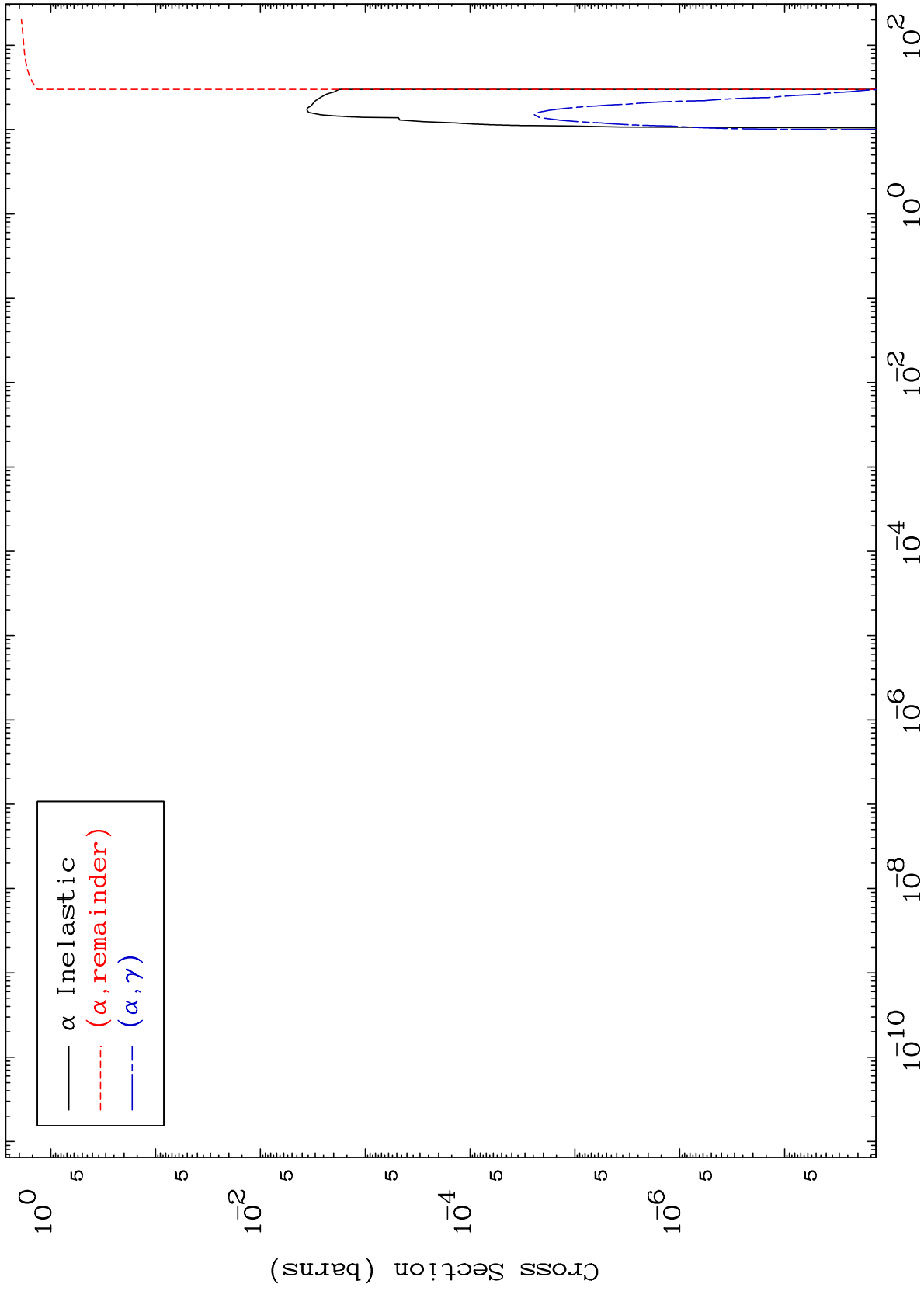
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

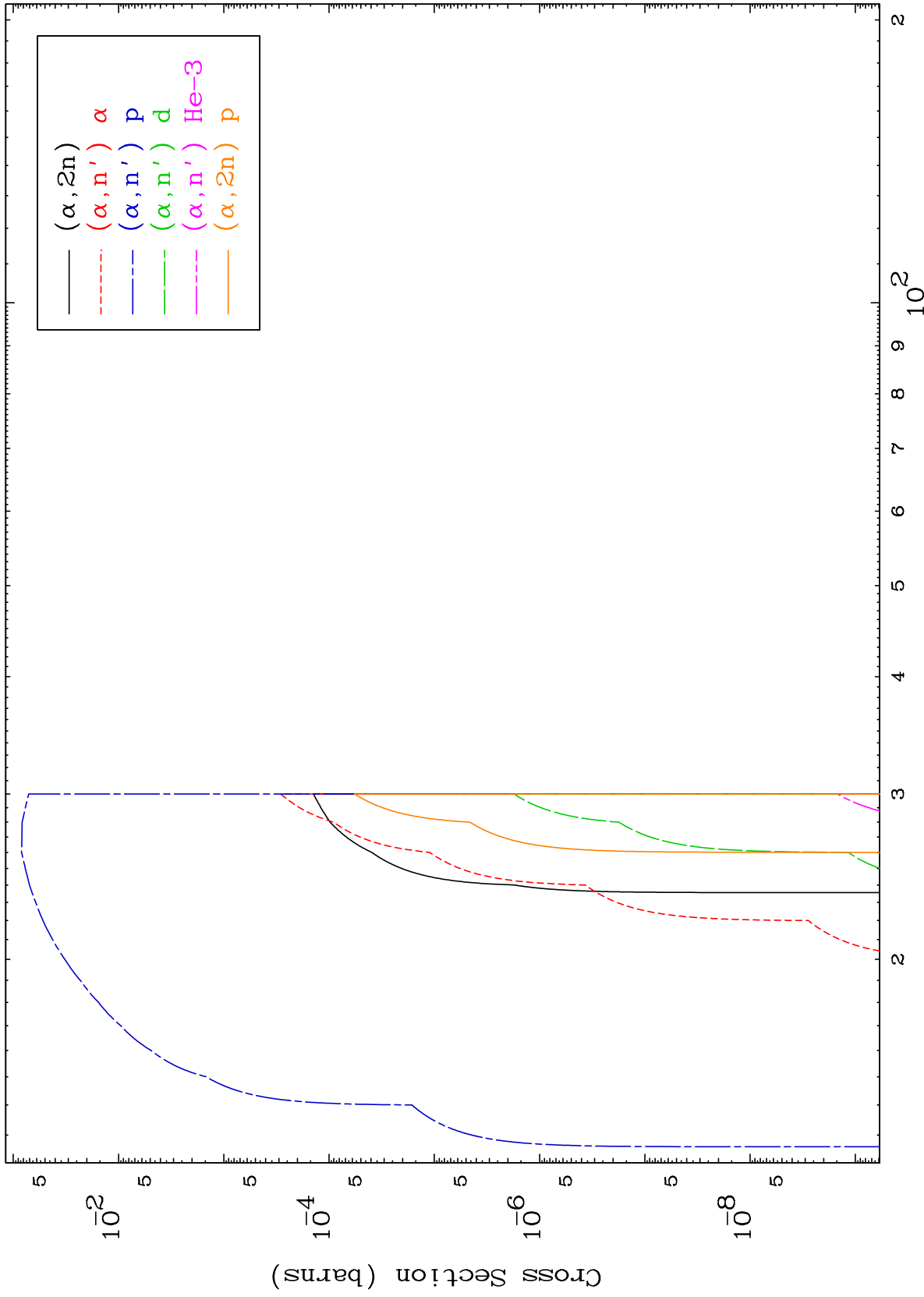
Press Mouse Button to Start

MAT 4295

0 Kelvin α Major

43-Tc-89

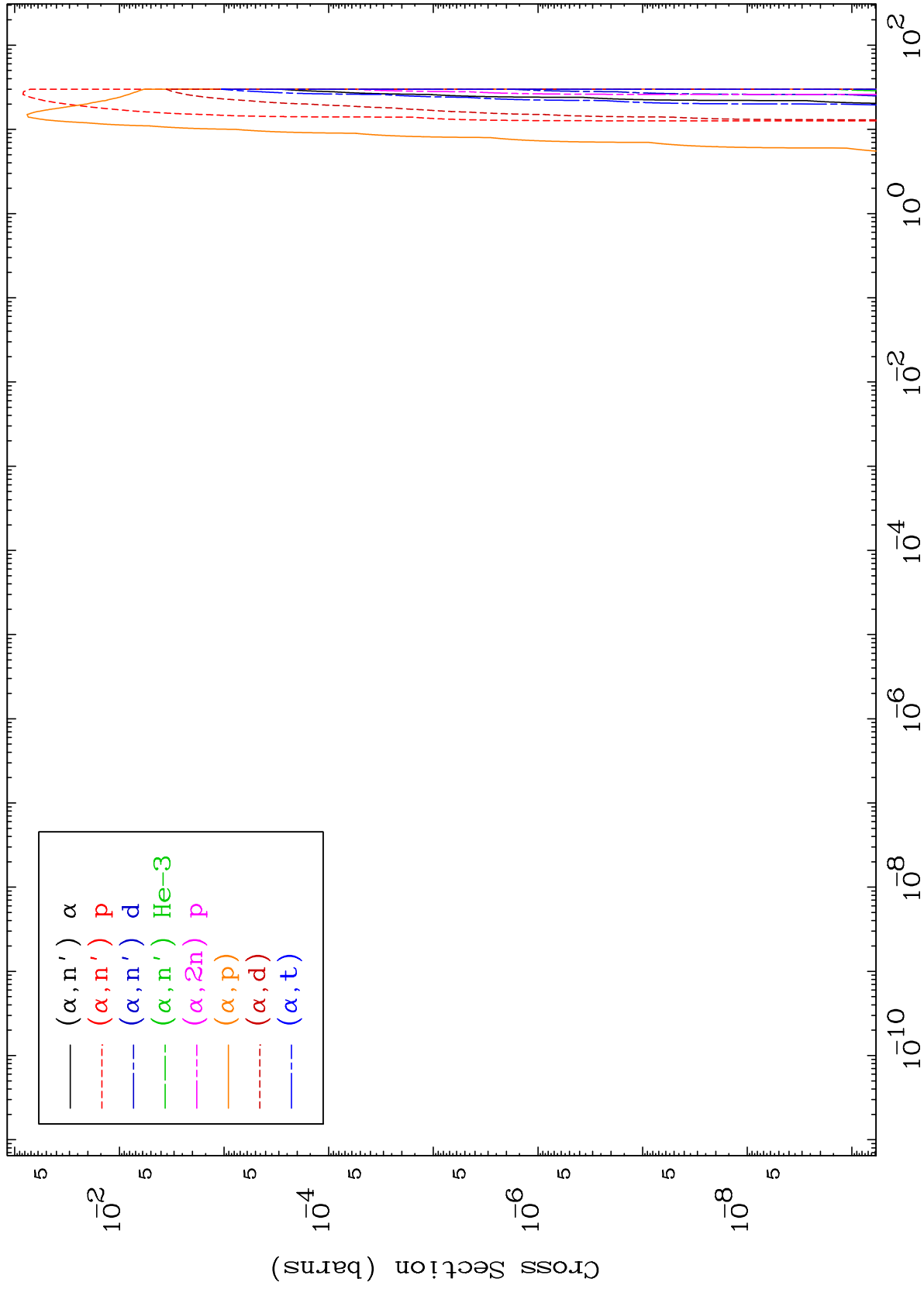




MAT 4295

α Charged Particle
0 Kelvin Cross Sections

43-Tc-89



3

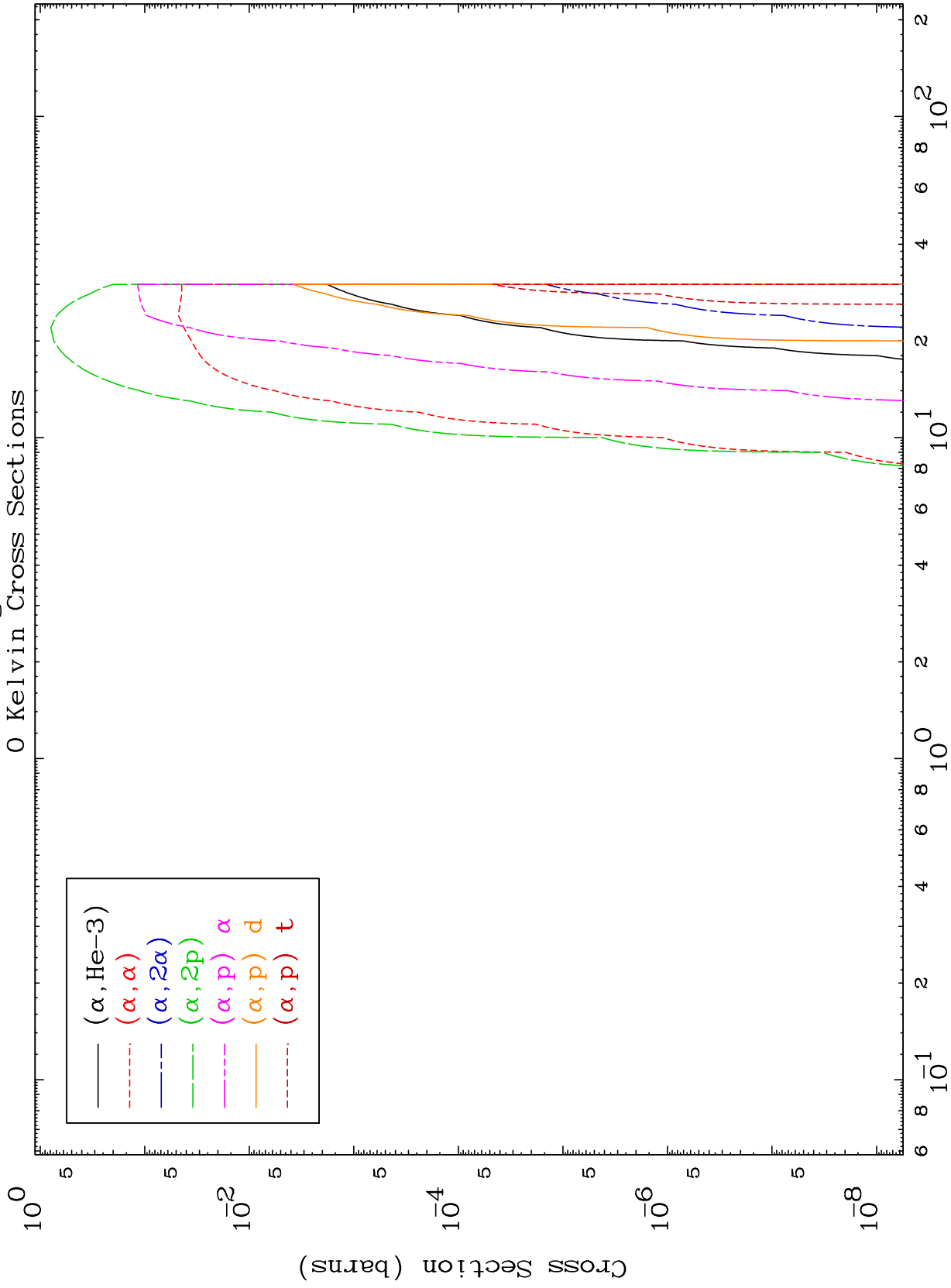
Incident Energy (MeV)

43-Tc-89

MAT 4295

α Charged Particle
0 Kelvin Cross Sections

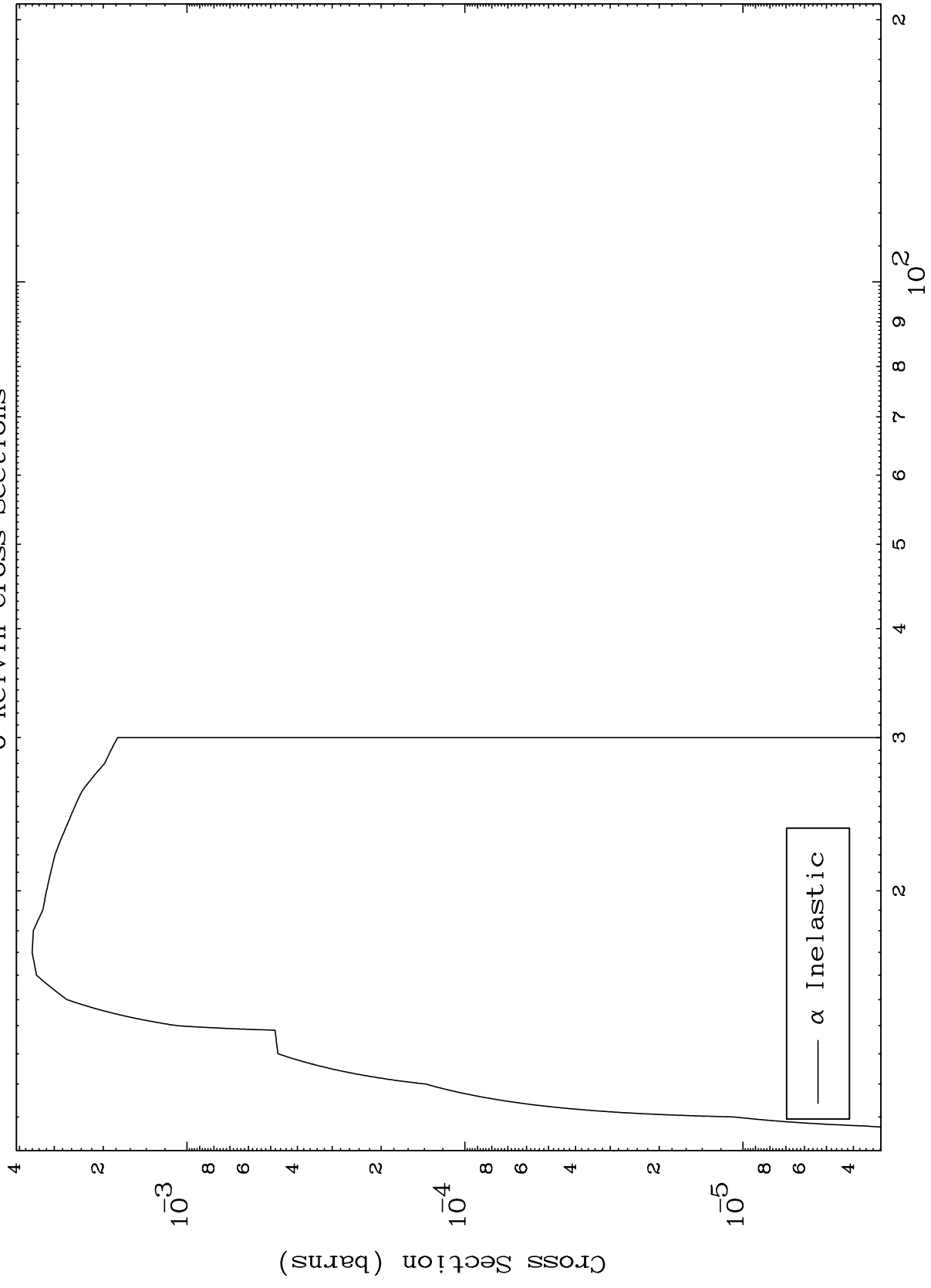
43-Tc-89



MAT 4295

(α, n') Level
0 Kelvin Cross Sections

43-Tc-89



5

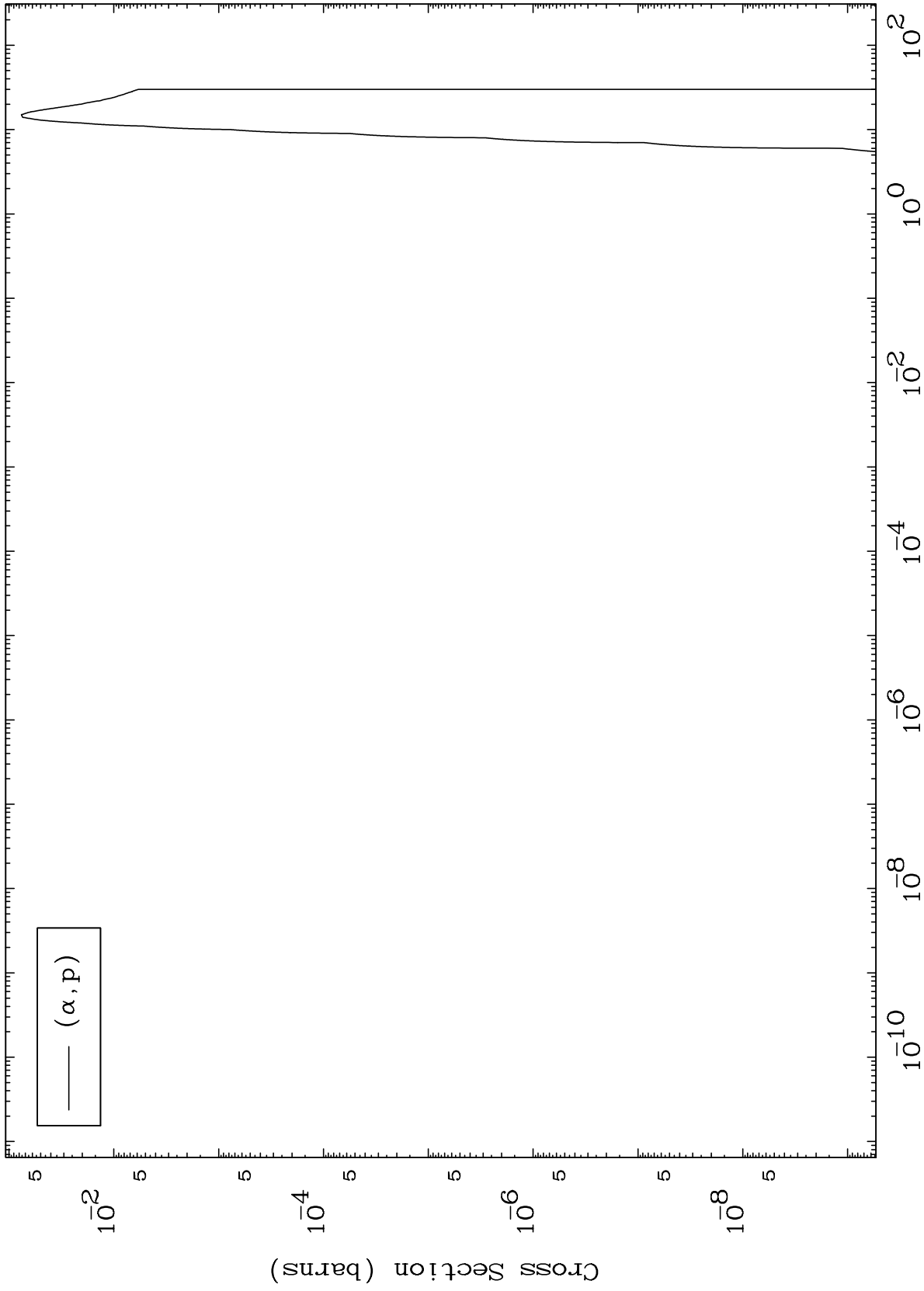
Incident Energy (MeV)

43-Tc-89

MAT 4295

(α, p) Levels
0 Kelvin Cross Sections

43-Tc-89



6

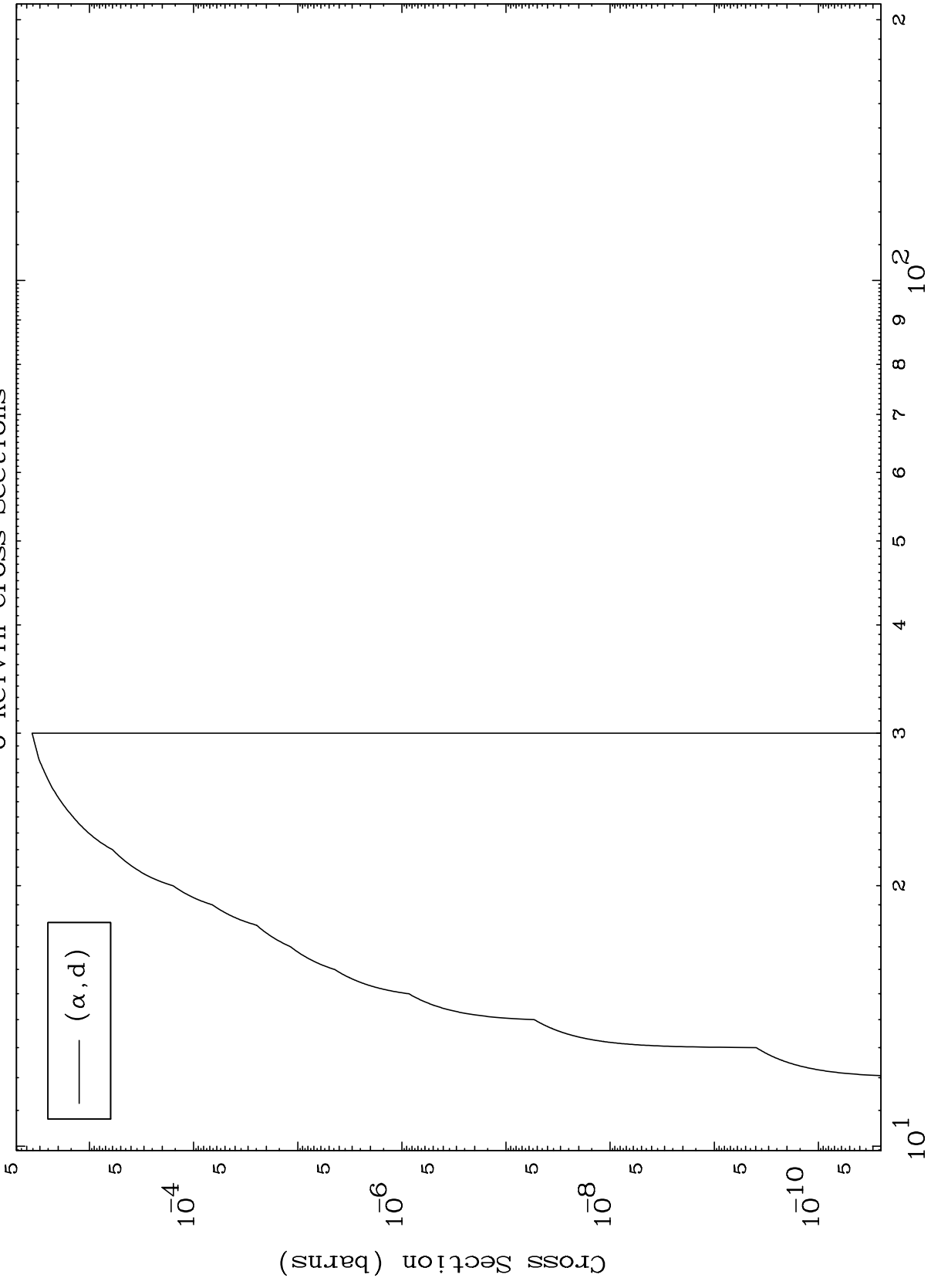
Incident Energy (MeV)

43-Tc-89

MAT 4295

(α, d) Levels
0 Kelvin Cross Sections

43-Tc-89



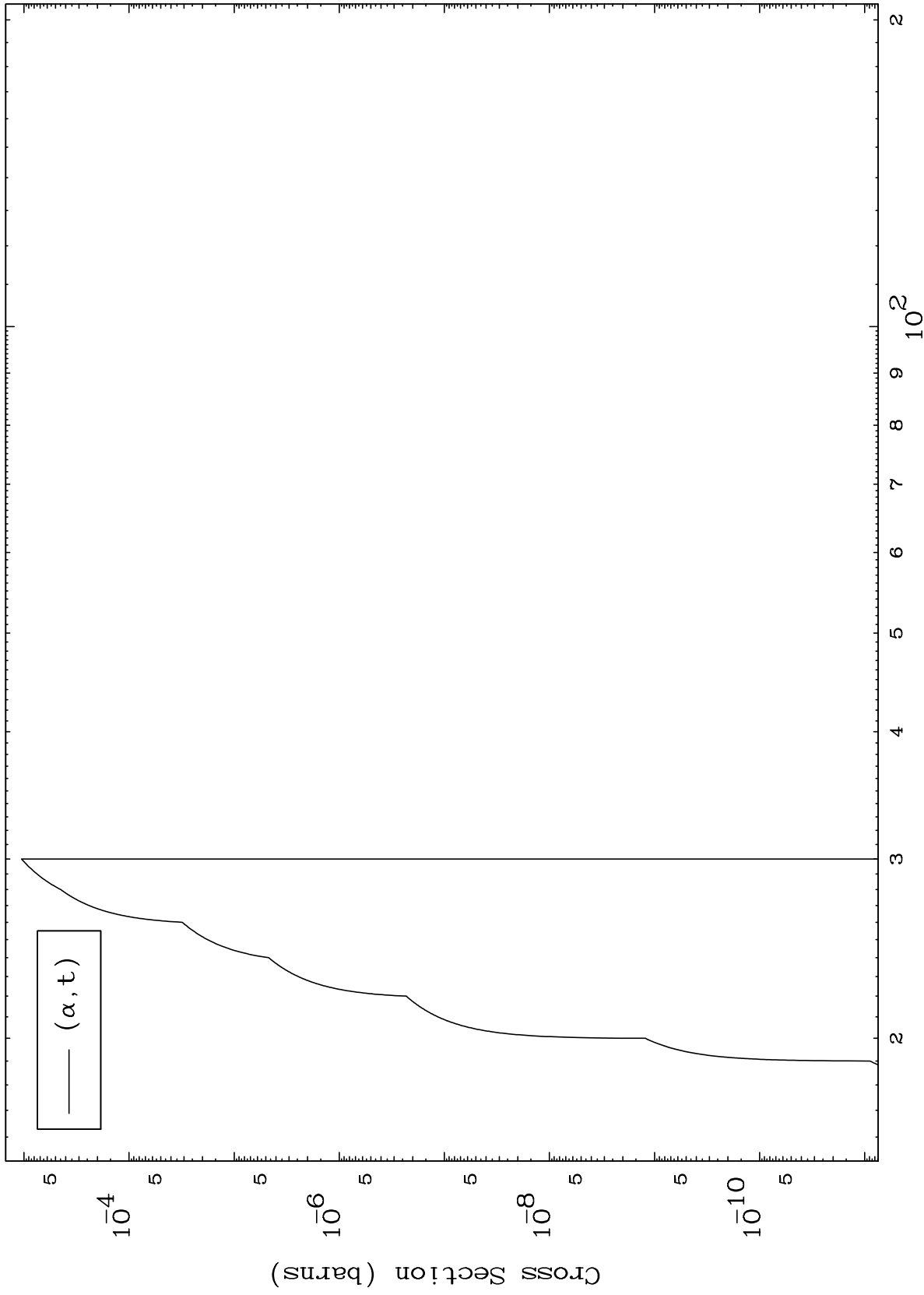
Incident Energy (MeV)

43-Tc-89

MAT 4295

(α, t) Levels
0 Kelvin Cross Sections

43-Tc-89



8

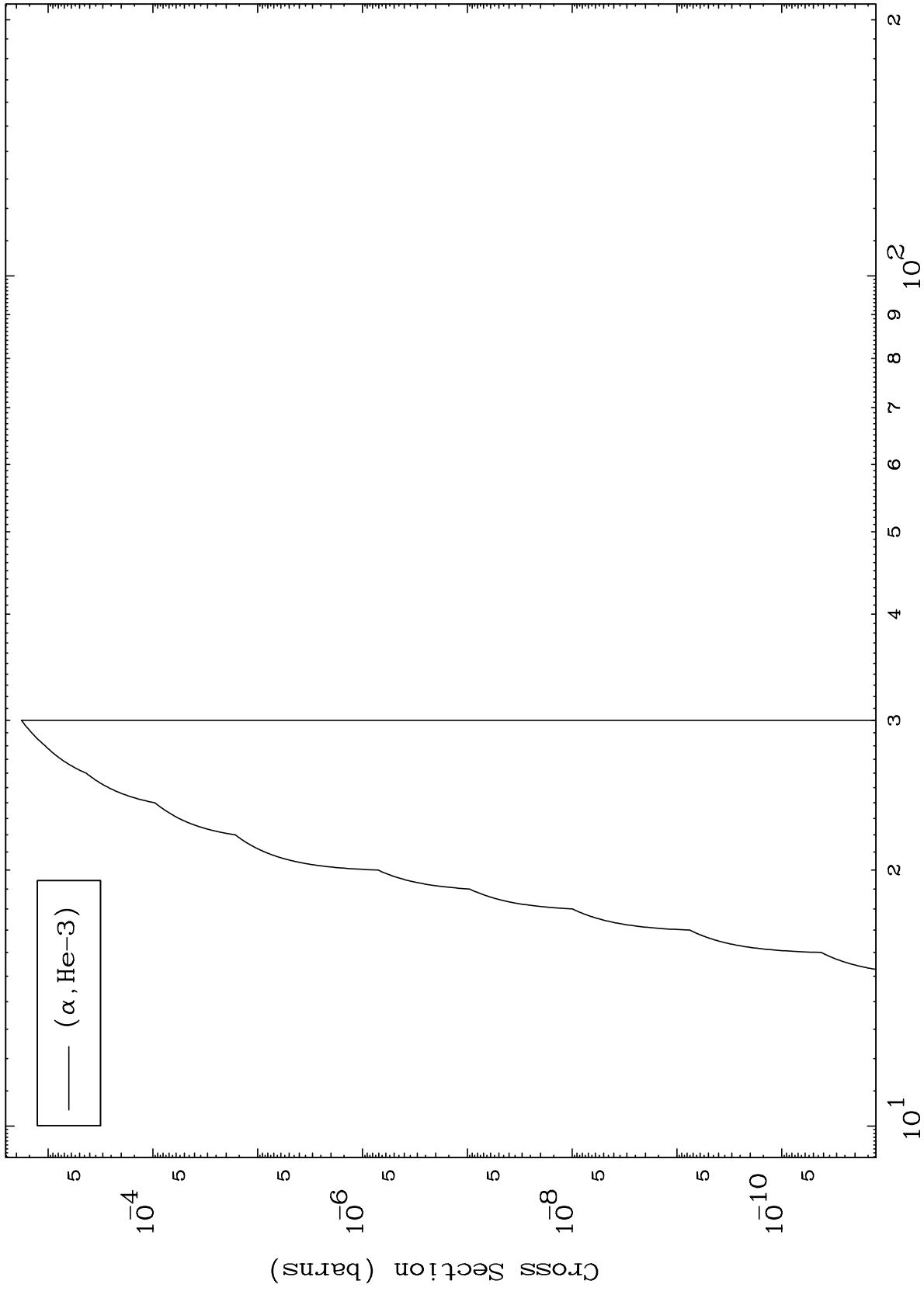
Incident Energy (MeV)

43-Tc-89

MAT 4295

(α ,He3) Levels
0 Kelvin Cross Sections

43-Tc-89



9

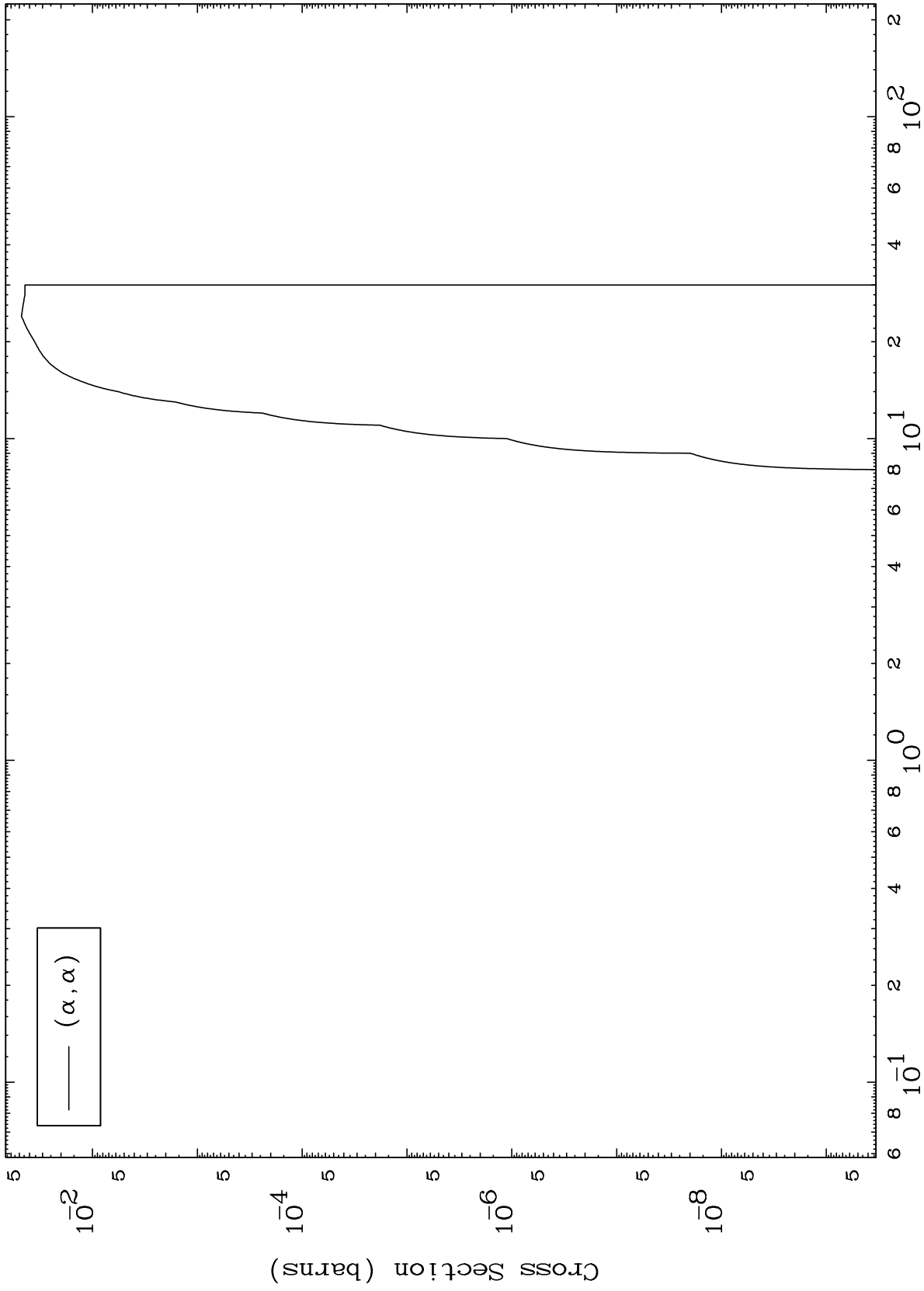
Incident Energy (MeV)

43-Tc-89

MAT 4295

(α, α) Levels
0 Kelvin Cross Sections

43-Tc-89

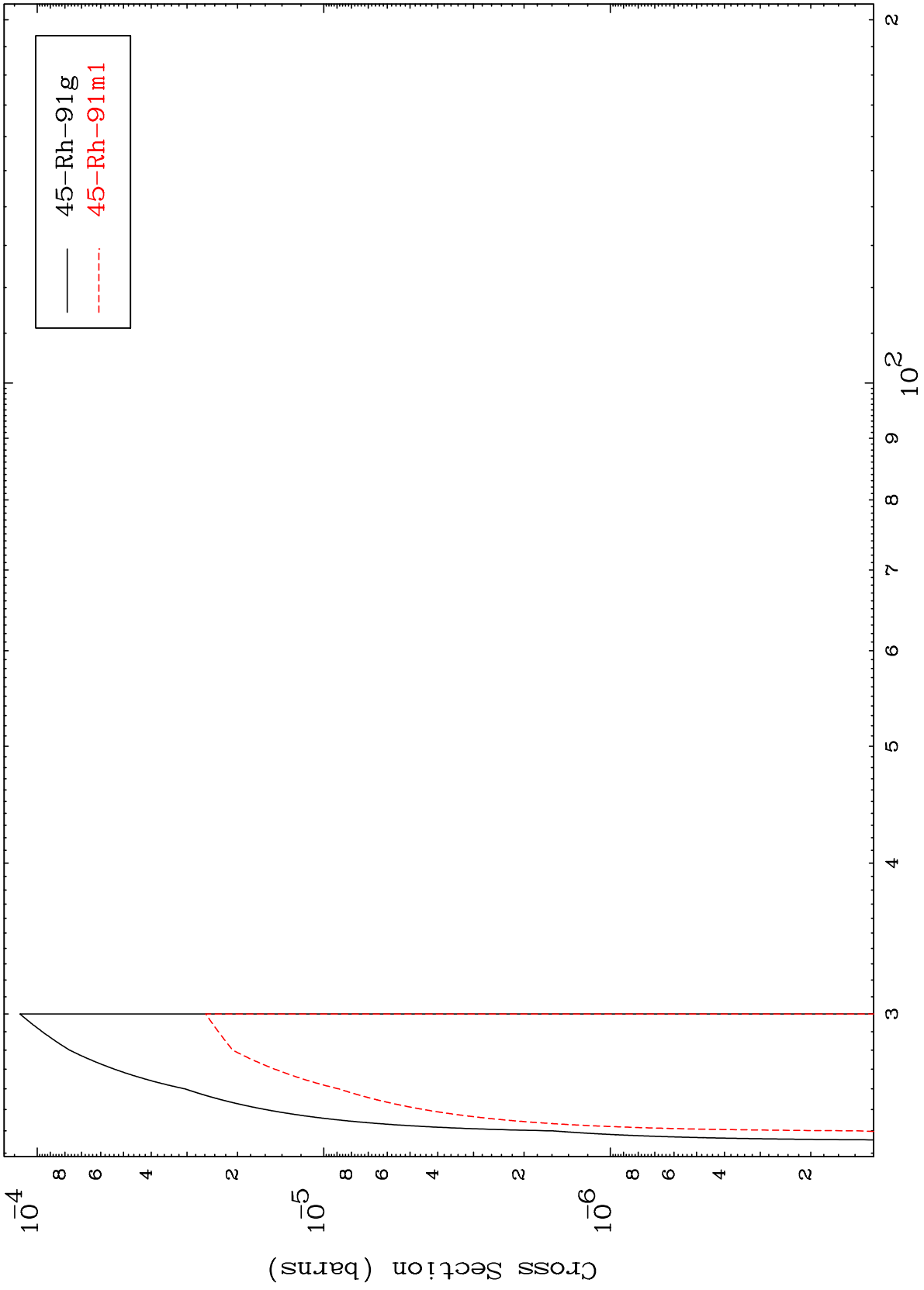


10

Incident Energy (MeV)

43-Tc-89

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

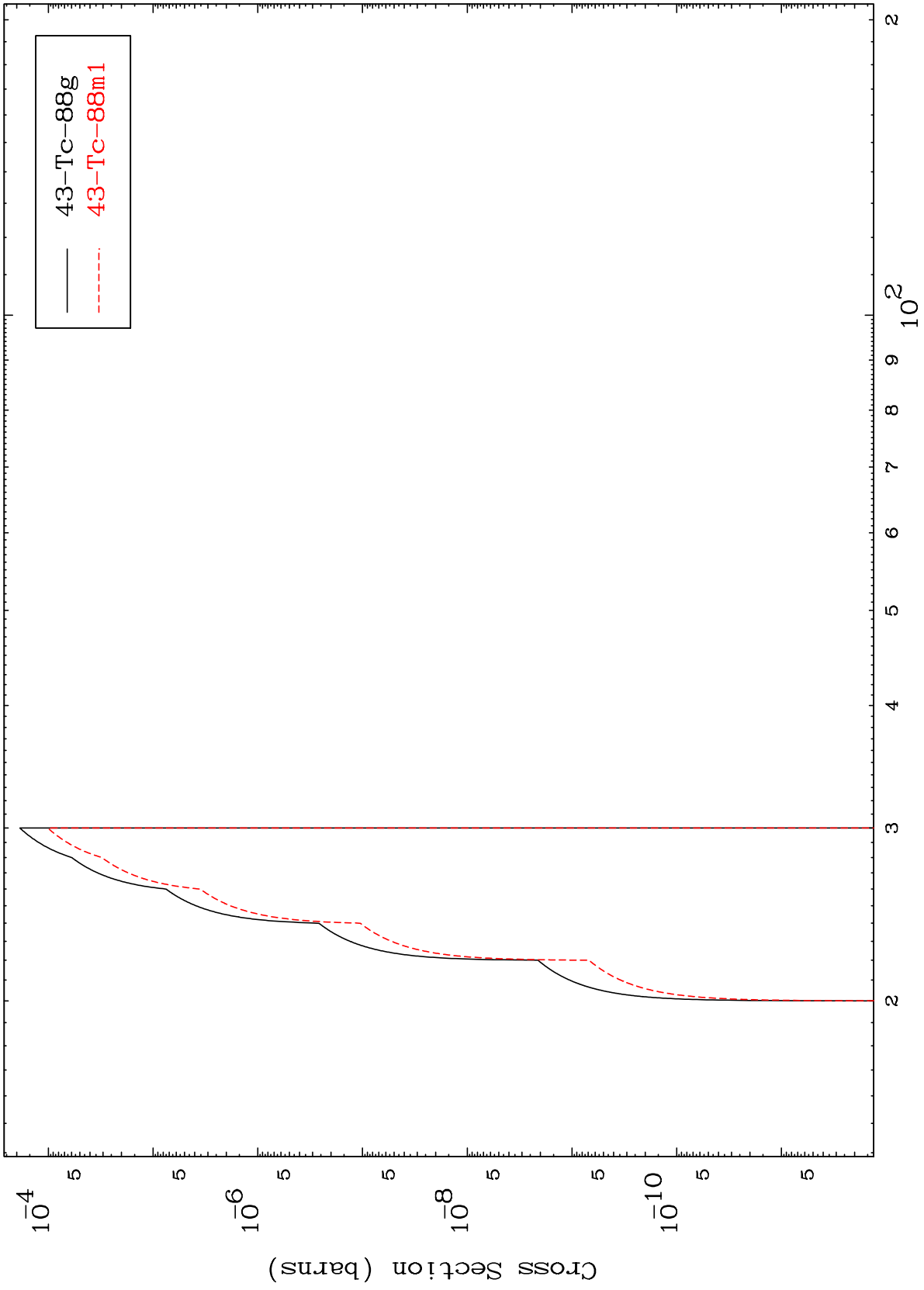


MAT 4295

(α, n') α

43-Tc-89

Radionuclide Production Cross Section



12

Incident Energy (MeV)

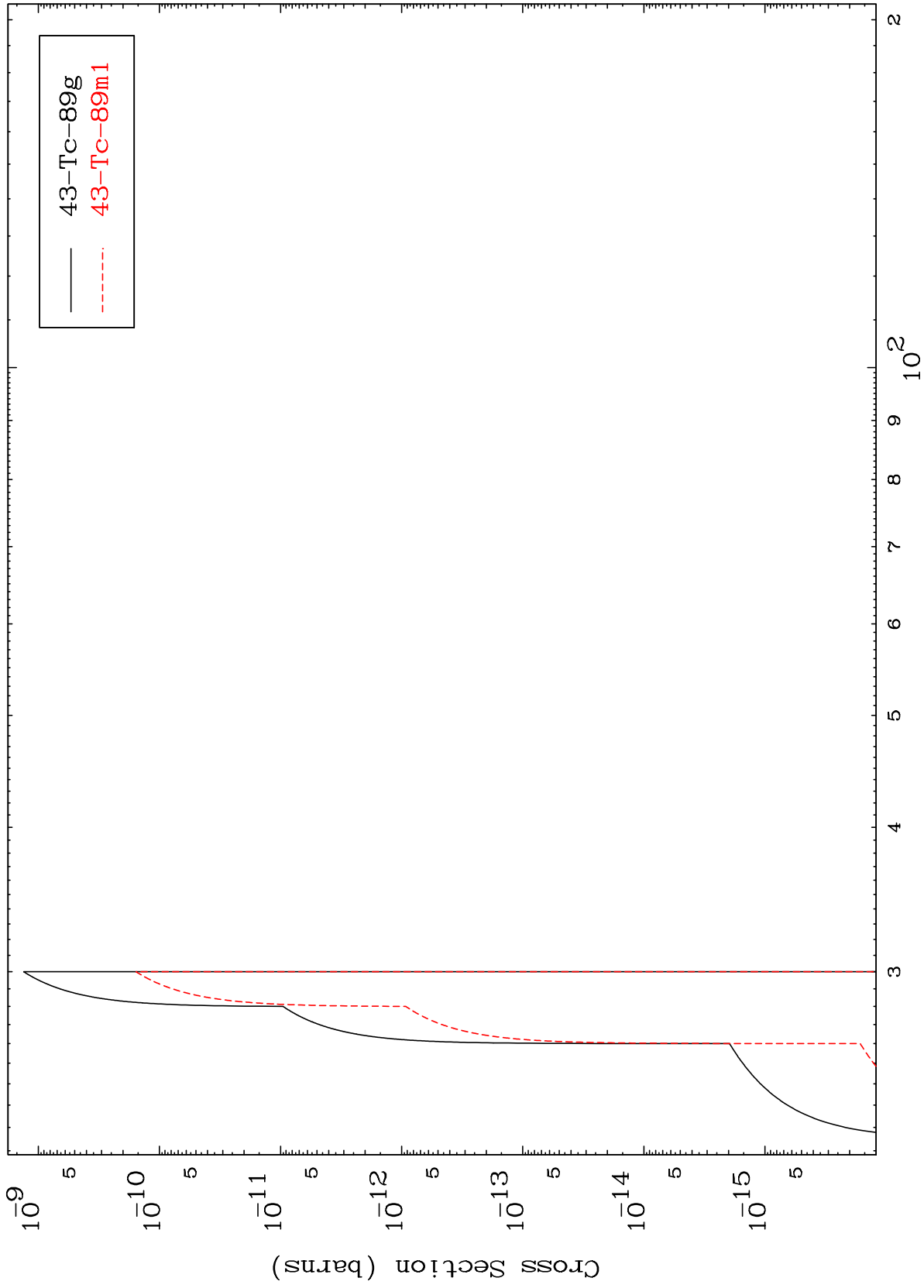
43-Tc-89

MAT 4295

(α, n') He-3

43-Tc-89

Radionuclide Production Cross Section



13

Incident Energy (MeV)

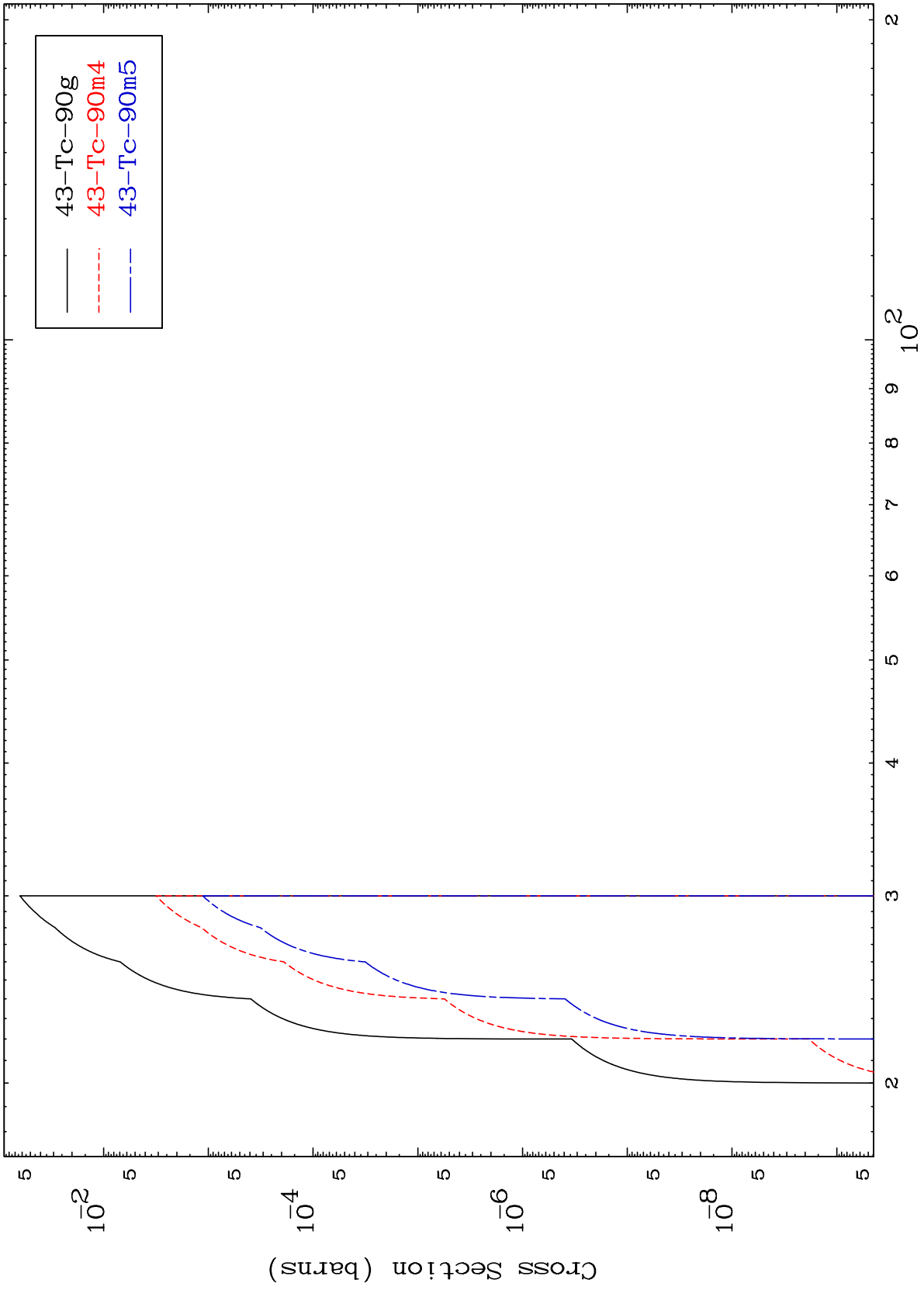
43-Tc-89

MAT 4295

($\alpha, 2n$) p

⁴³Tc-89

Radionuclide Production Cross Section



14

Incident Energy (MeV)

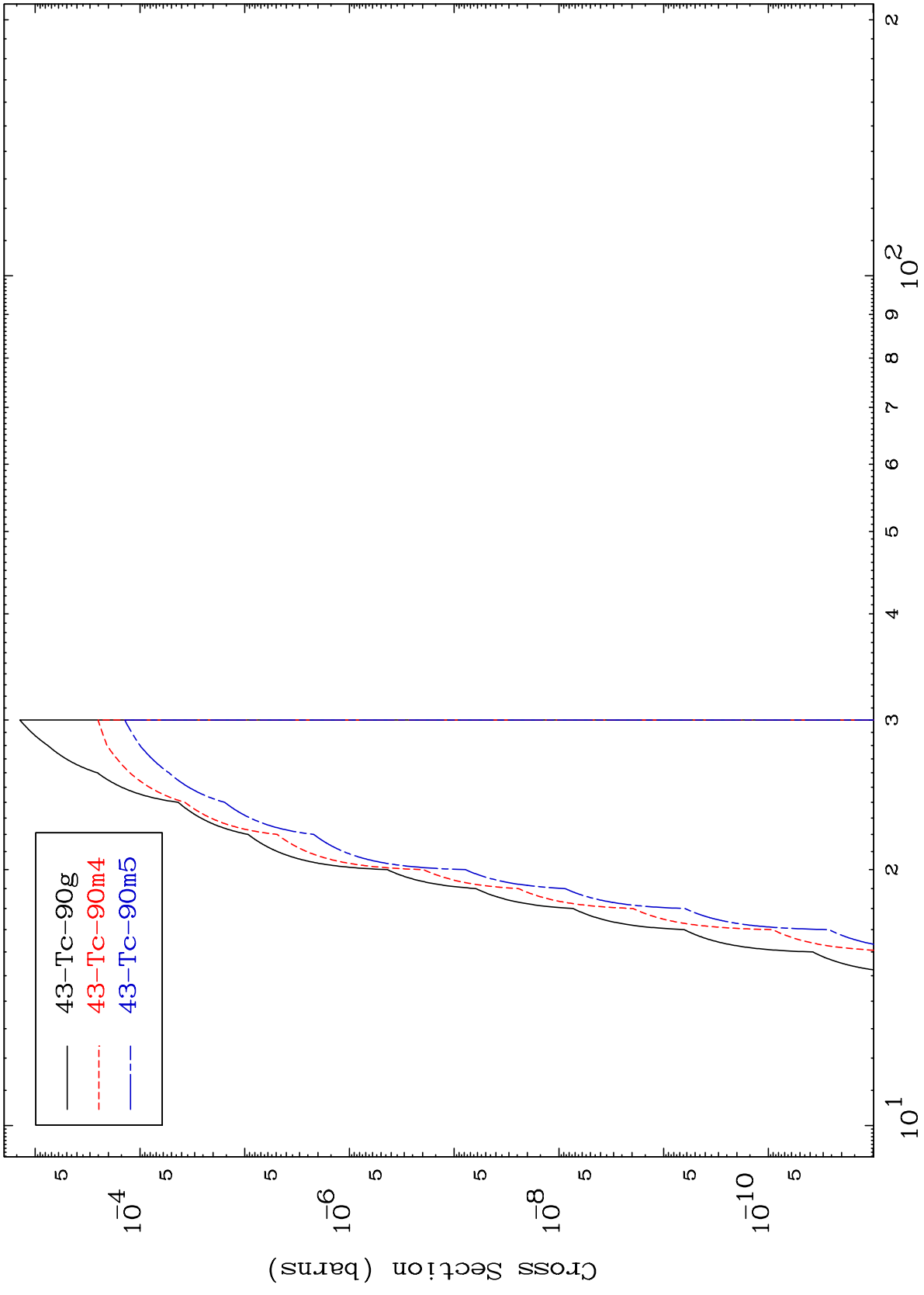
⁴³Tc-89

MAT 4295

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

43-Tc-89

Radionuclide Production Cross Section



15

Incident Energy (MeV)

10^2

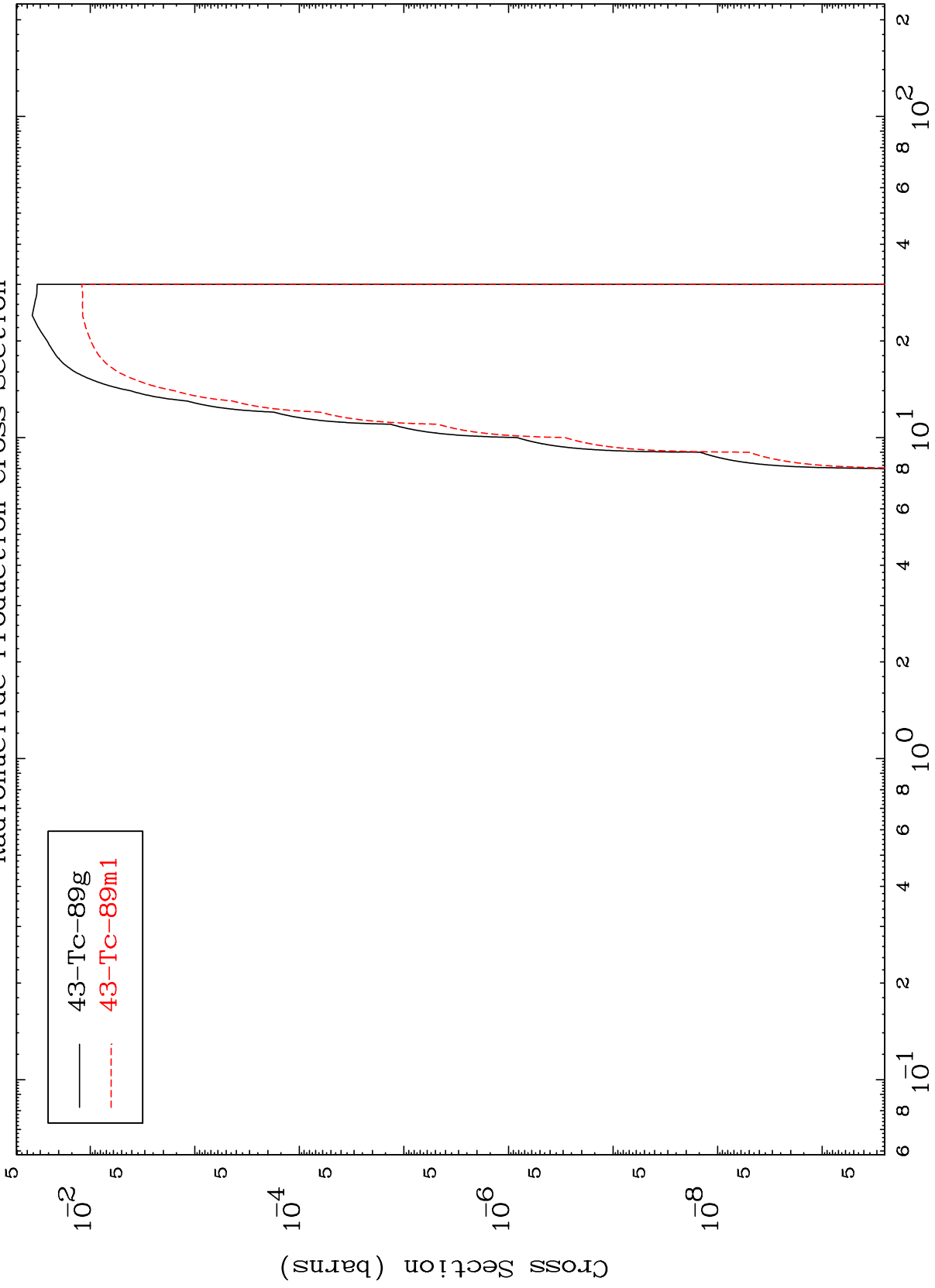
43-Tc-89

MAT 4295

(α, α)

43-Tc-89

Radionuclide Production Cross Section



— 43-Tc-89g
- - - 43-Tc-89m1

16

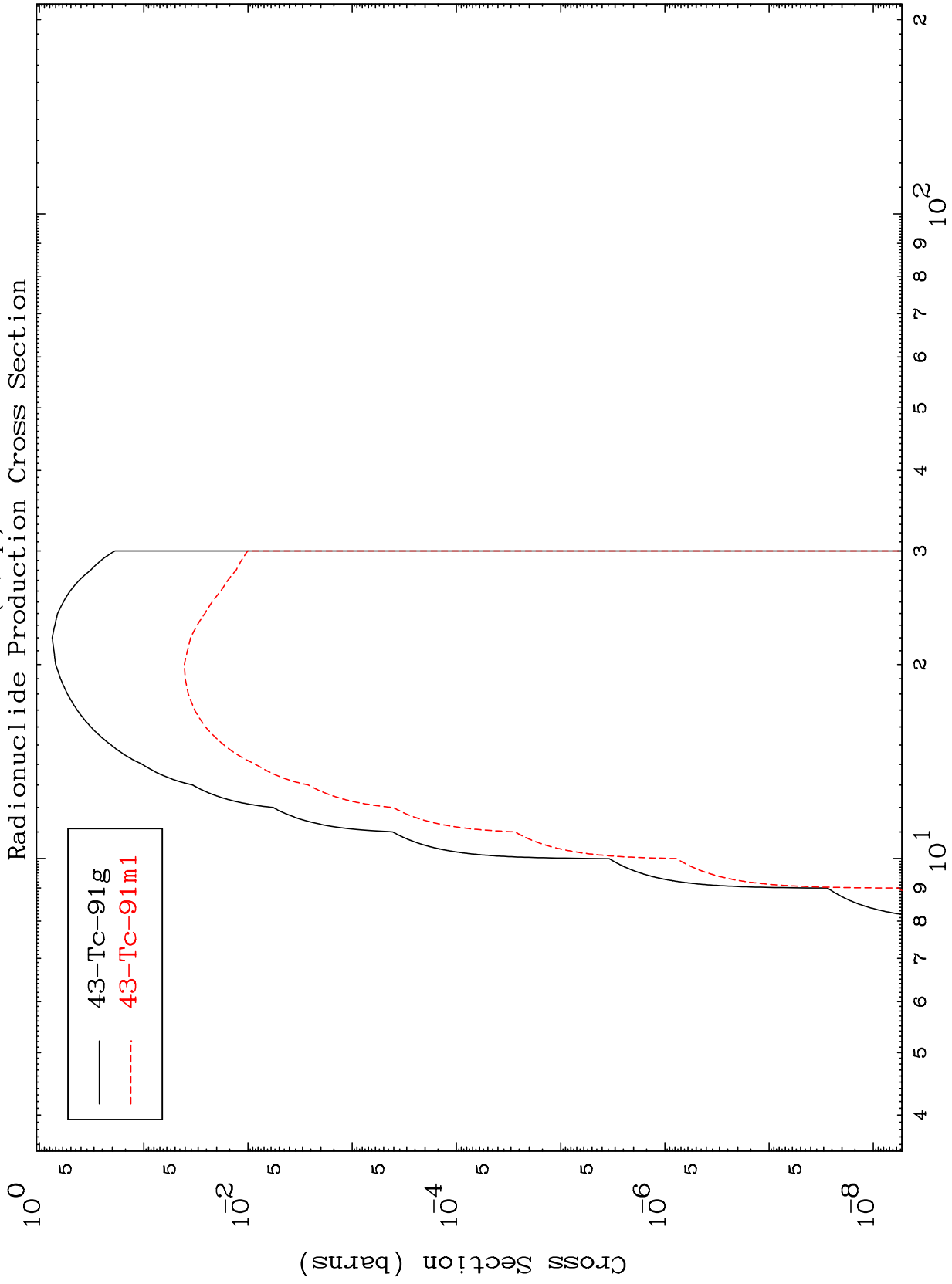
Incident Energy (MeV)

43-Tc-89

MAT 4295

43-Tc-89

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



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

17

Incident Energy (MeV)

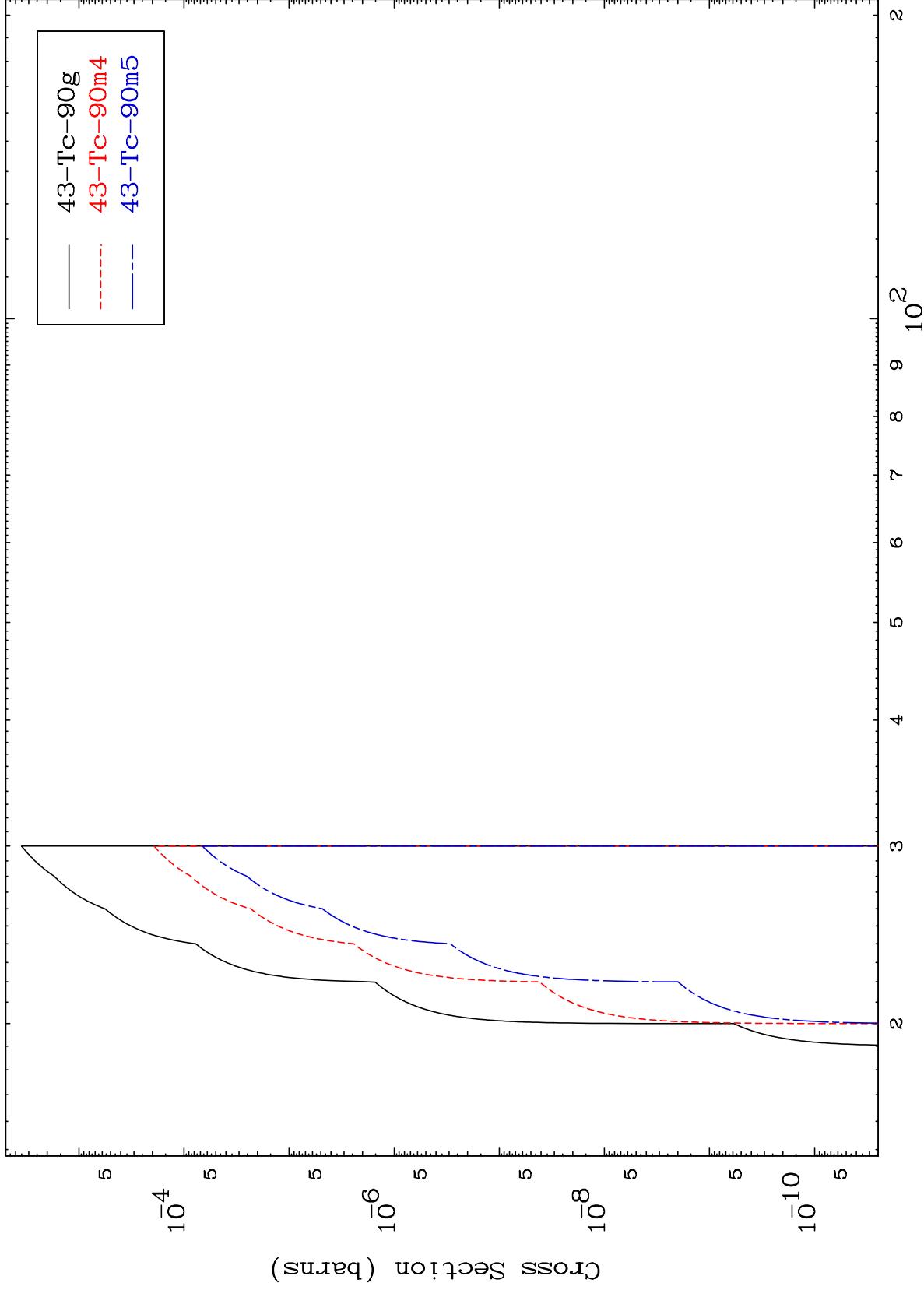
43-Tc-89

MAT 4295

(α, p) d

⁴³Tc-89

Radionuclide Production Cross Section



18

Incident Energy (MeV)

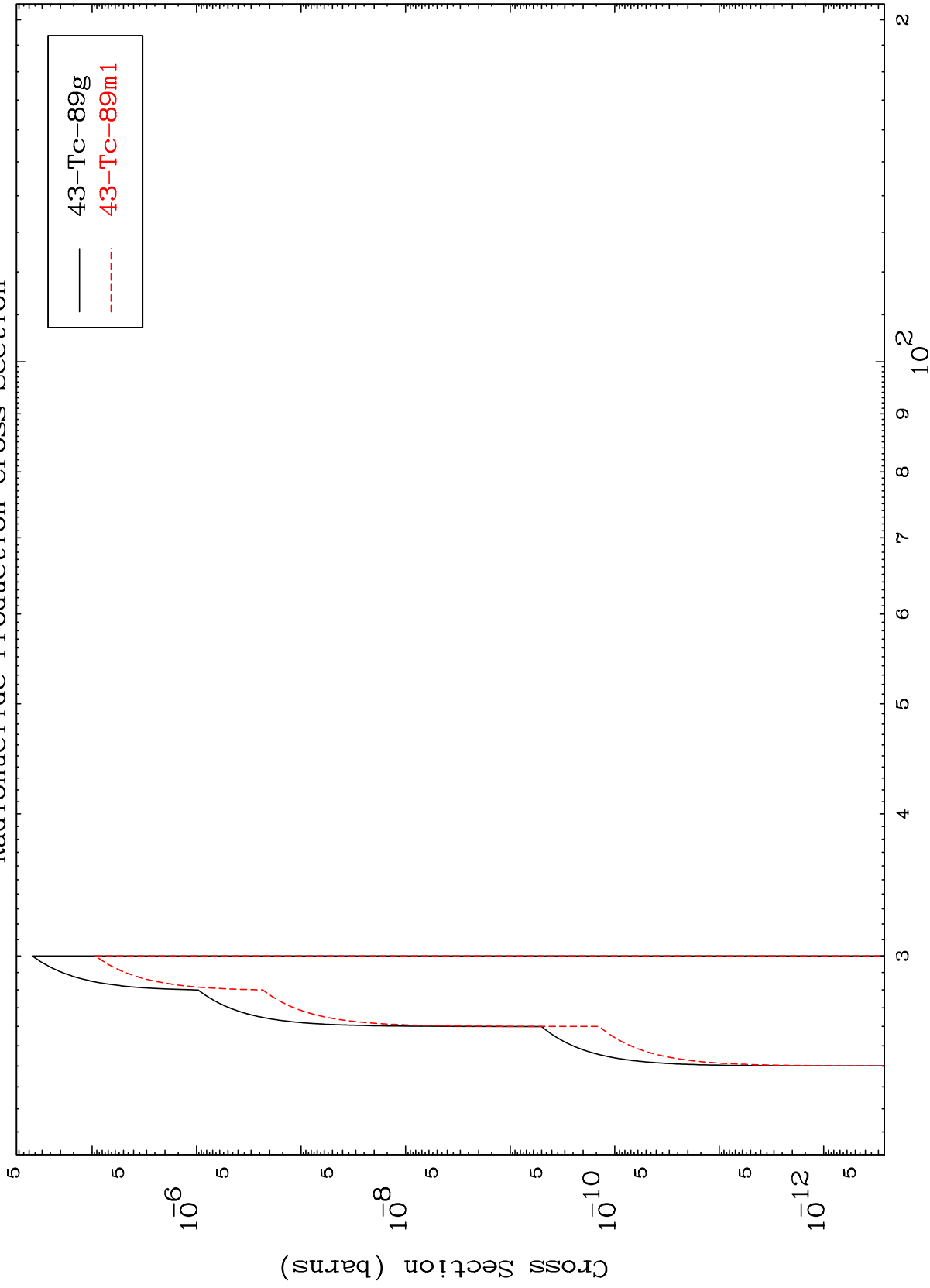
⁴³Tc-89

MAT 4295

(α, p) t

43-Tc-89

Radionuclide Production Cross Section



19

Incident Energy (MeV)

43-Tc-89