

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

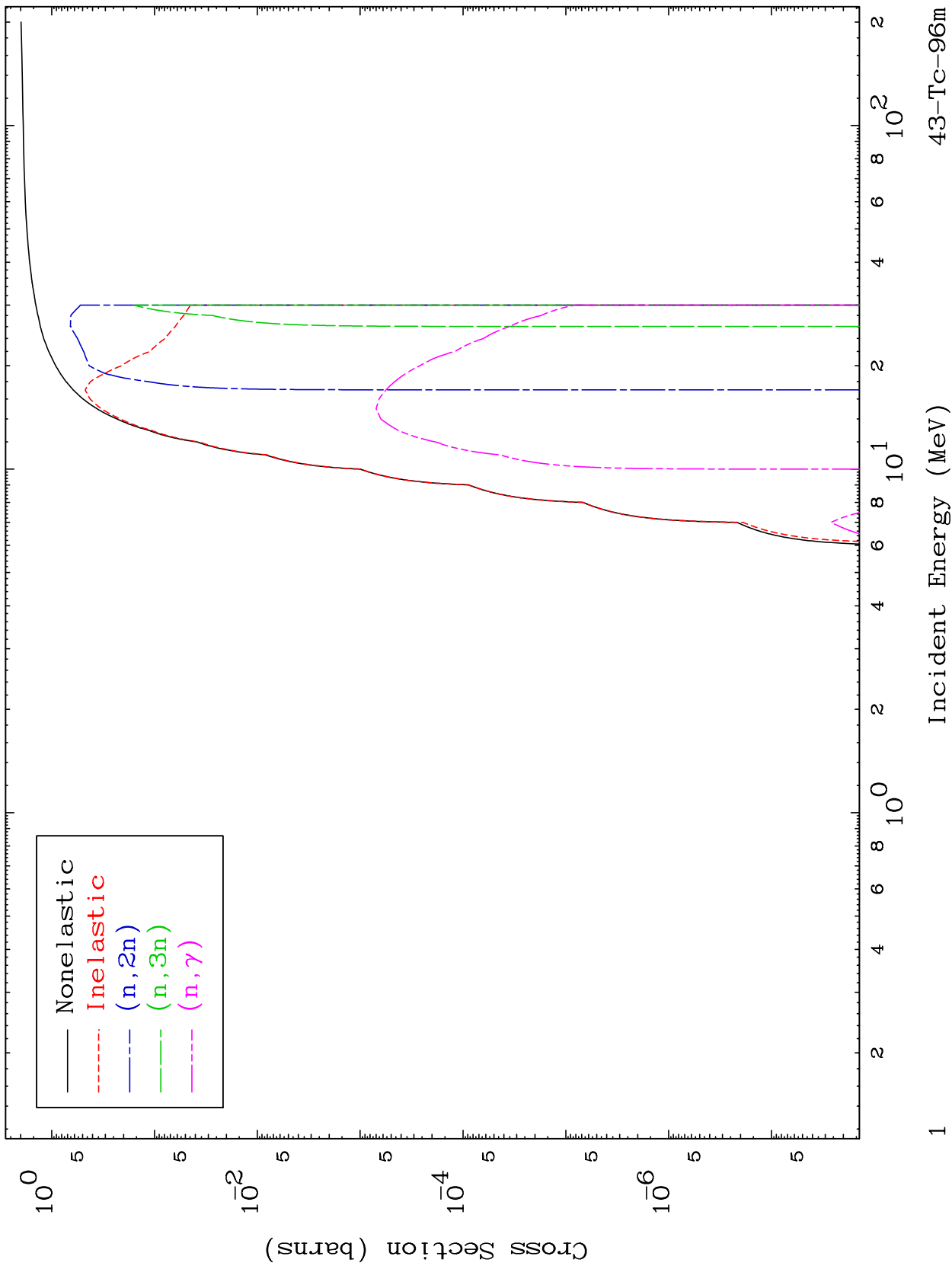
Press Mouse Button to Start

MAT 4317

0 Kelvin

Major Cross Sections

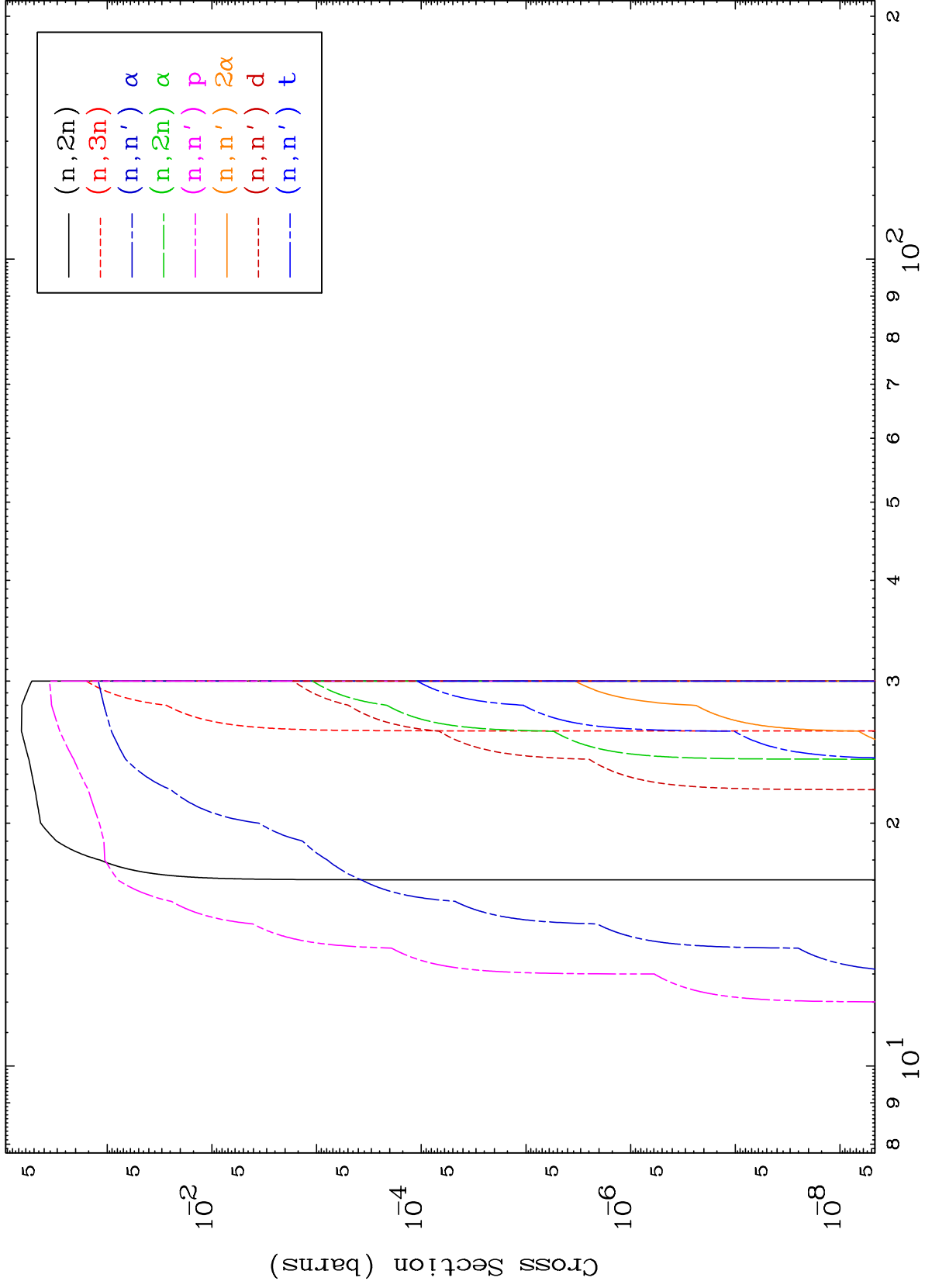
43-Tc-96m



MAT 4317

α Neutron Absorption
0 Kelvin Cross Sections

43-Tc-96m



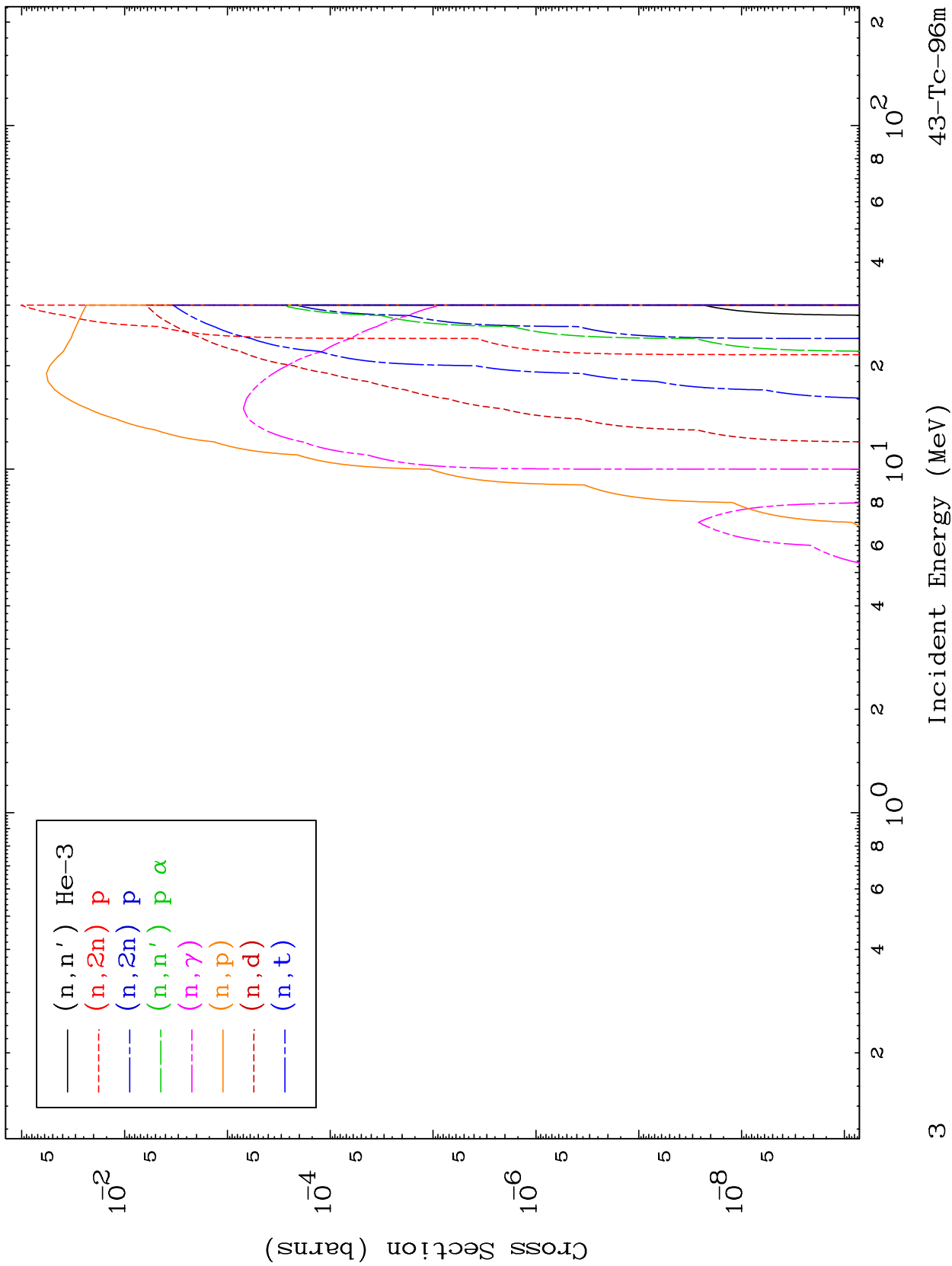
Incident Energy (MeV)

43-Tc-96m

MAT 4317

α Neutron Absorption
0 Kelvin Cross Sections

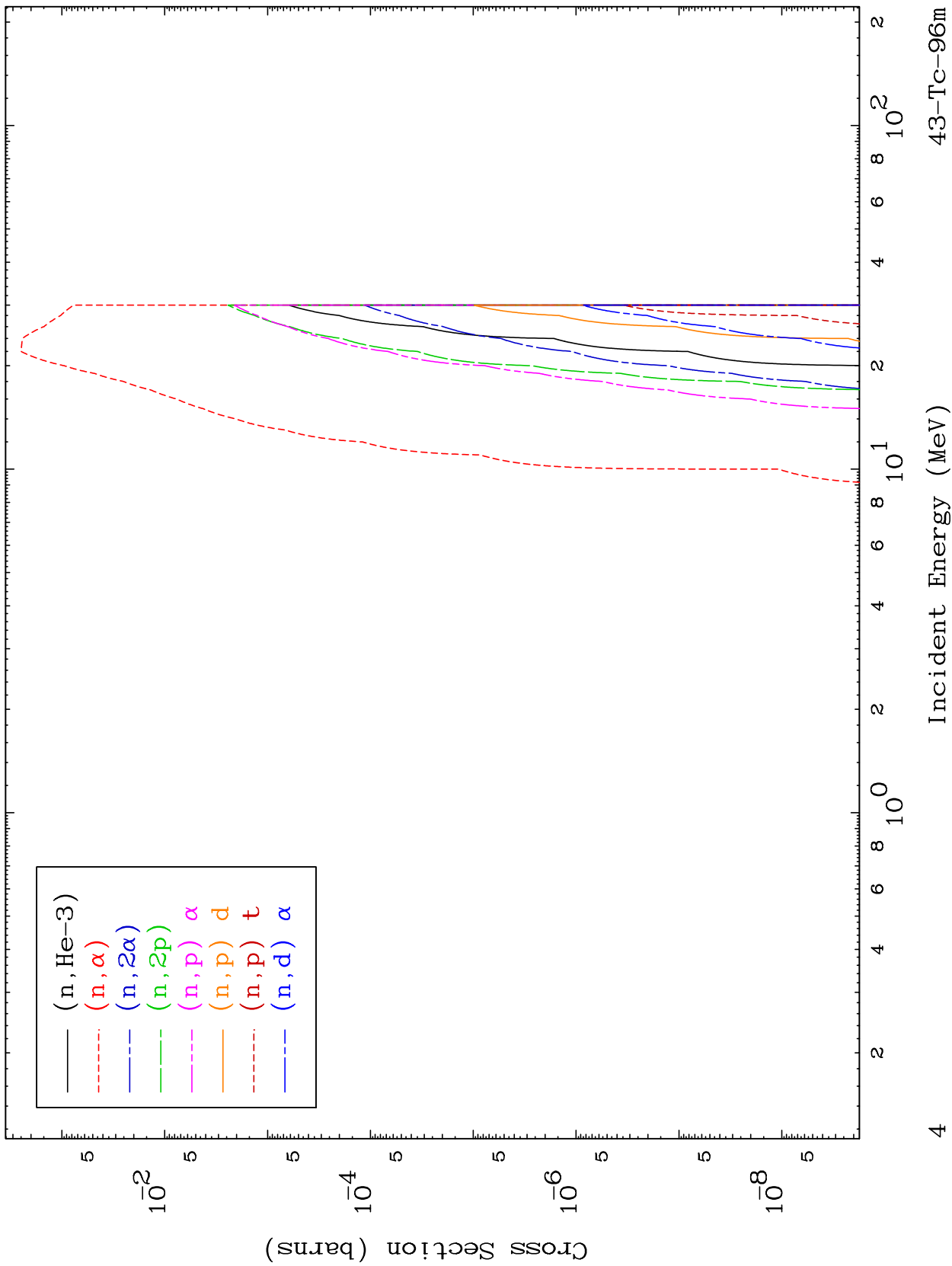
43-Tc-96m



MAT 4317

α Neutron Absorption
0 Kelvin Cross Sections

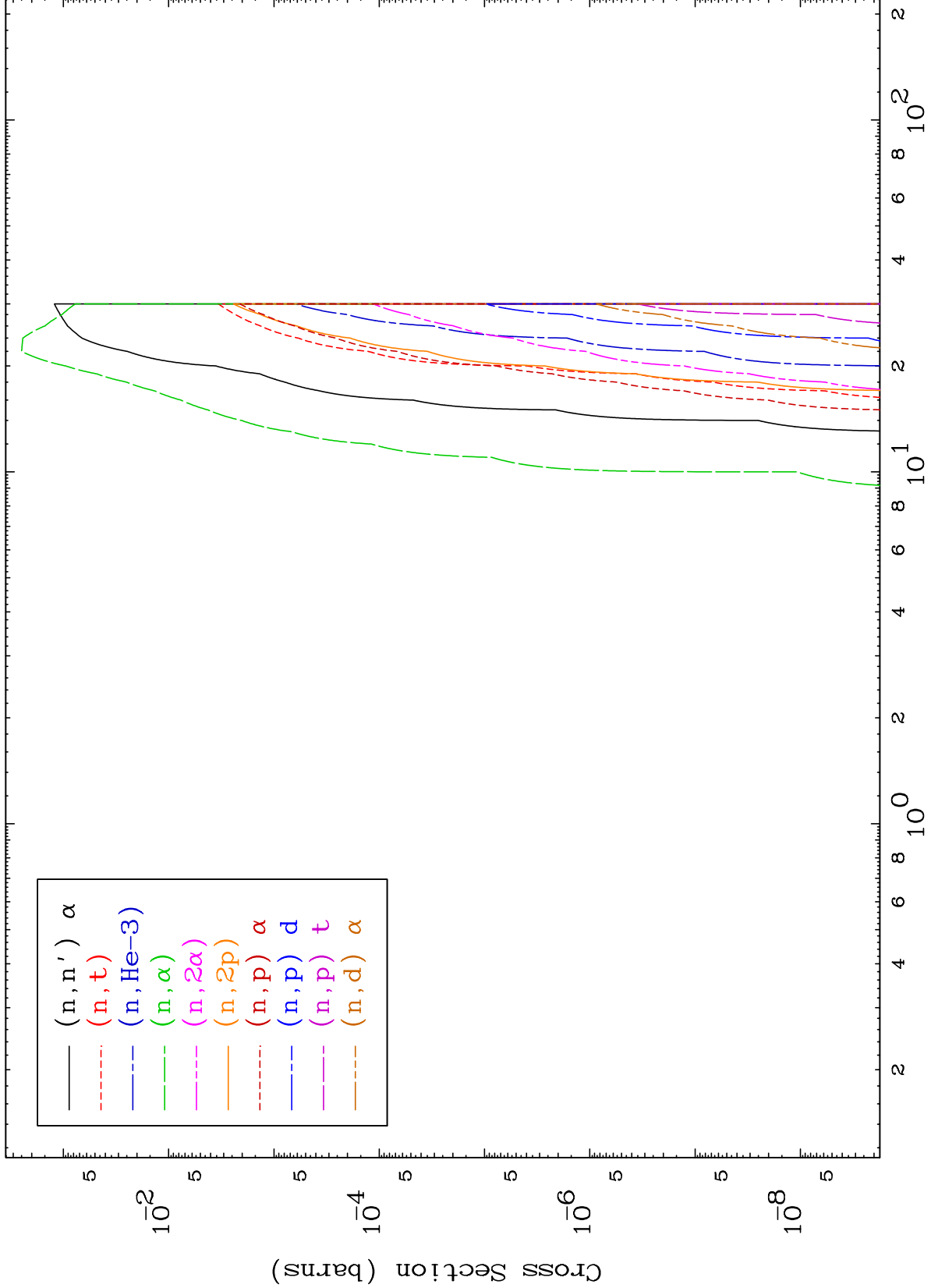
$^{43}\text{Tc-96m}$



MAT 4317

α Charged Particle
0 Kelvin Cross Sections

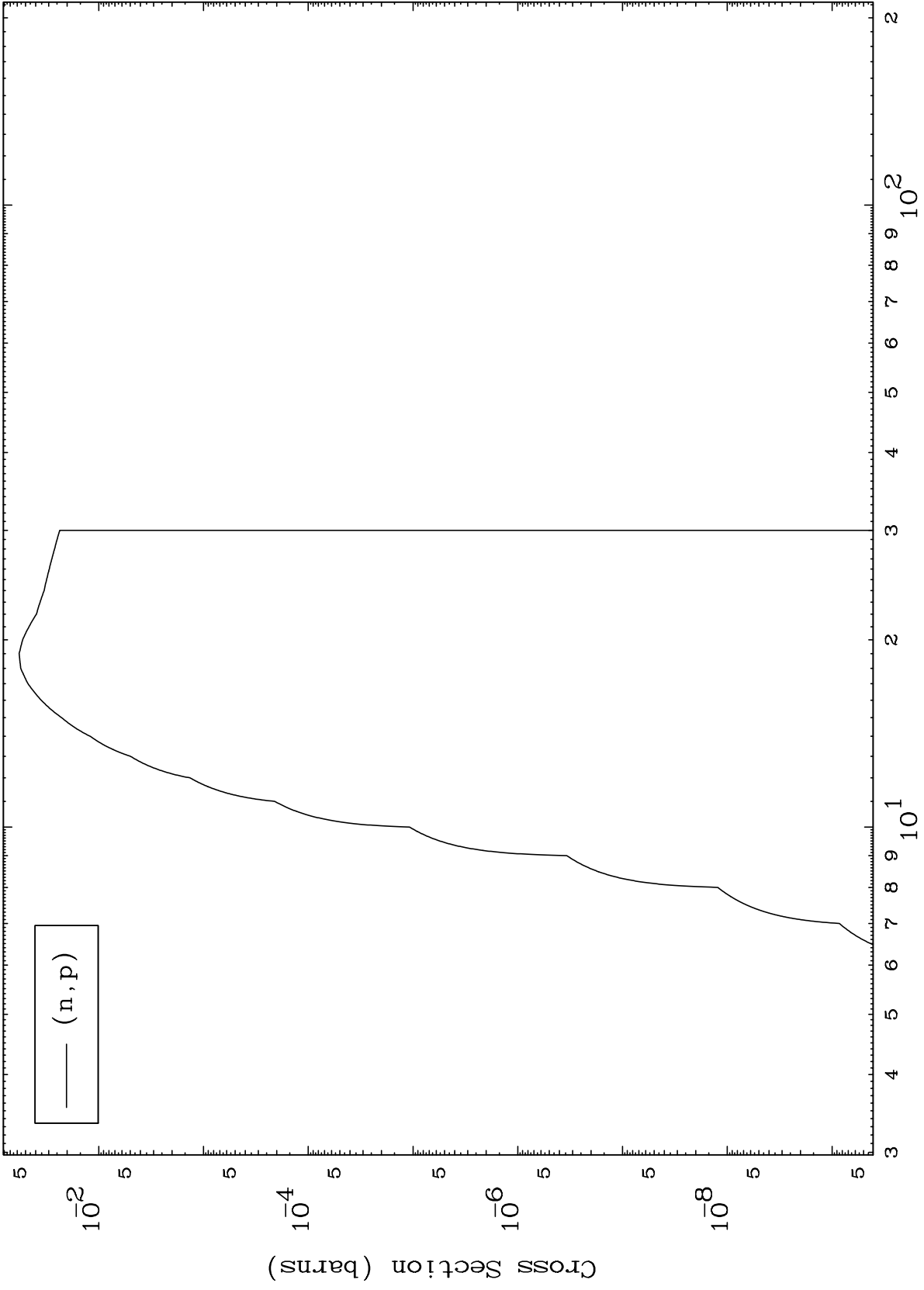
43-Tc-96m



MAT 4317

(α, p) Levels
0 Kelvin Cross Sections

43-Tc-96m



7

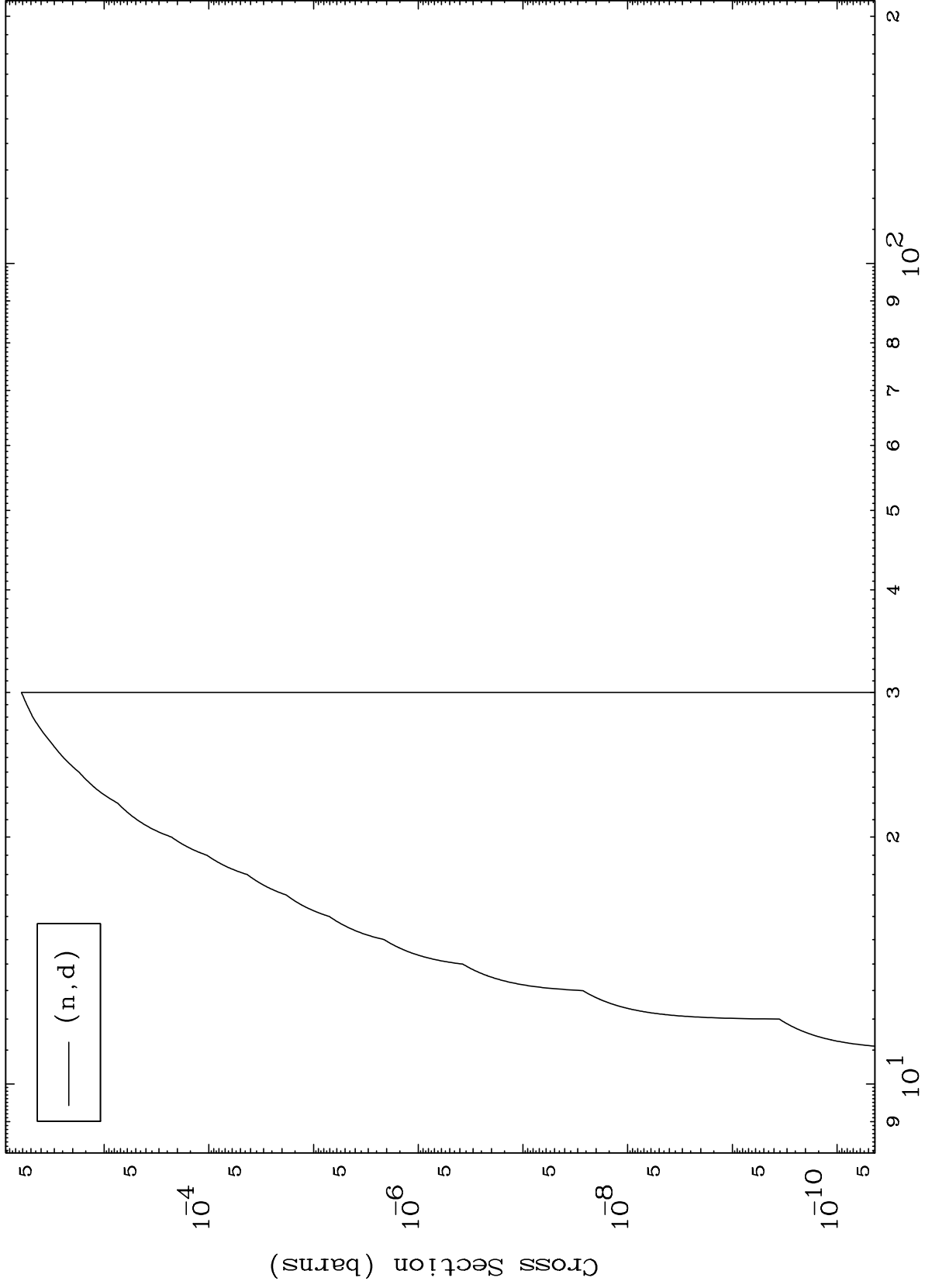
Incident Energy (MeV)

43-Tc-96m

MAT 4317

(α, d) Levels
0 Kelvin Cross Sections

43-Tc-96m



8

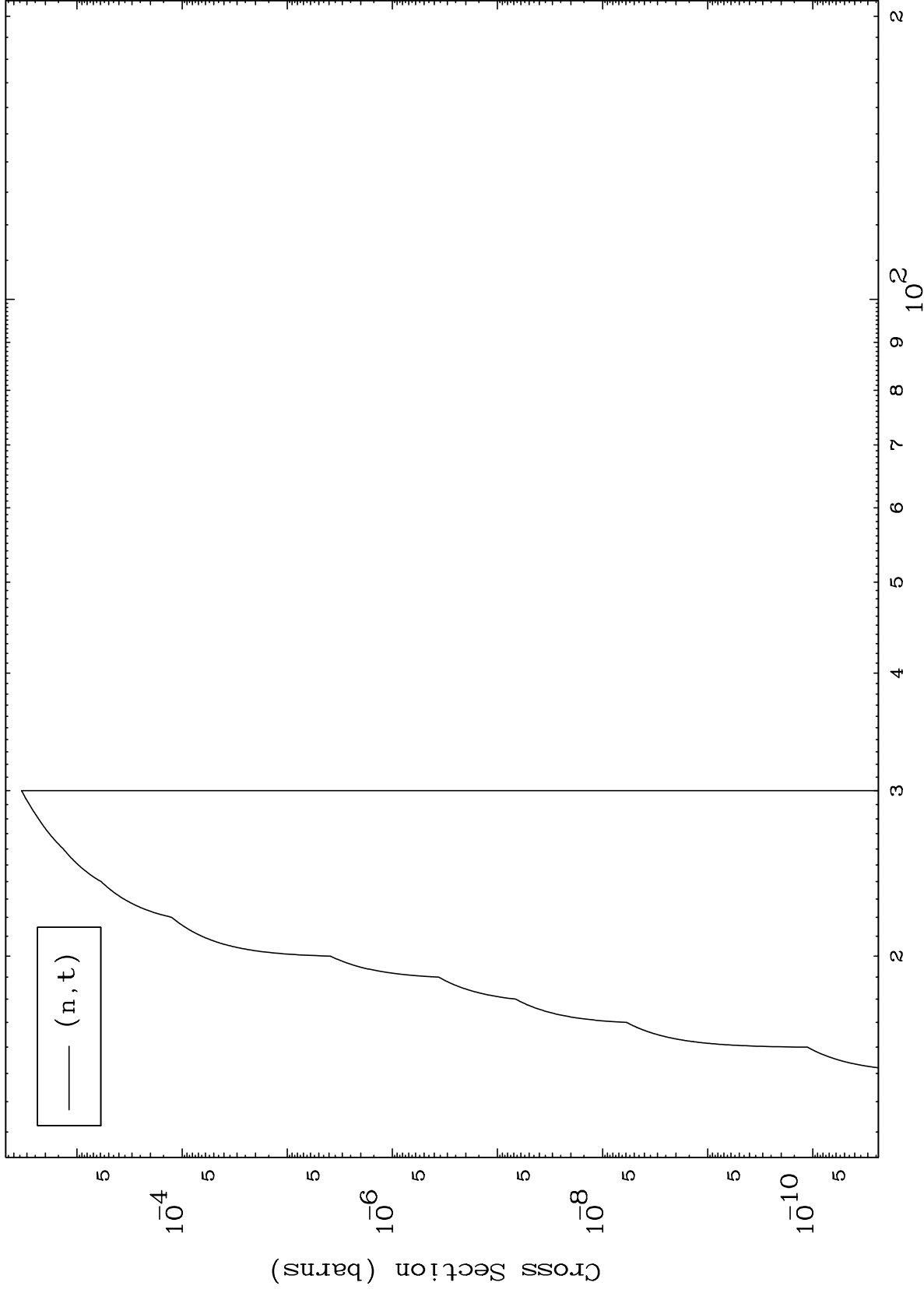
Incident Energy (MeV)

43-Tc-96m

MAT 4317

(α, t) Levels
0 Kelvin Cross Sections

43-Tc-96m



9

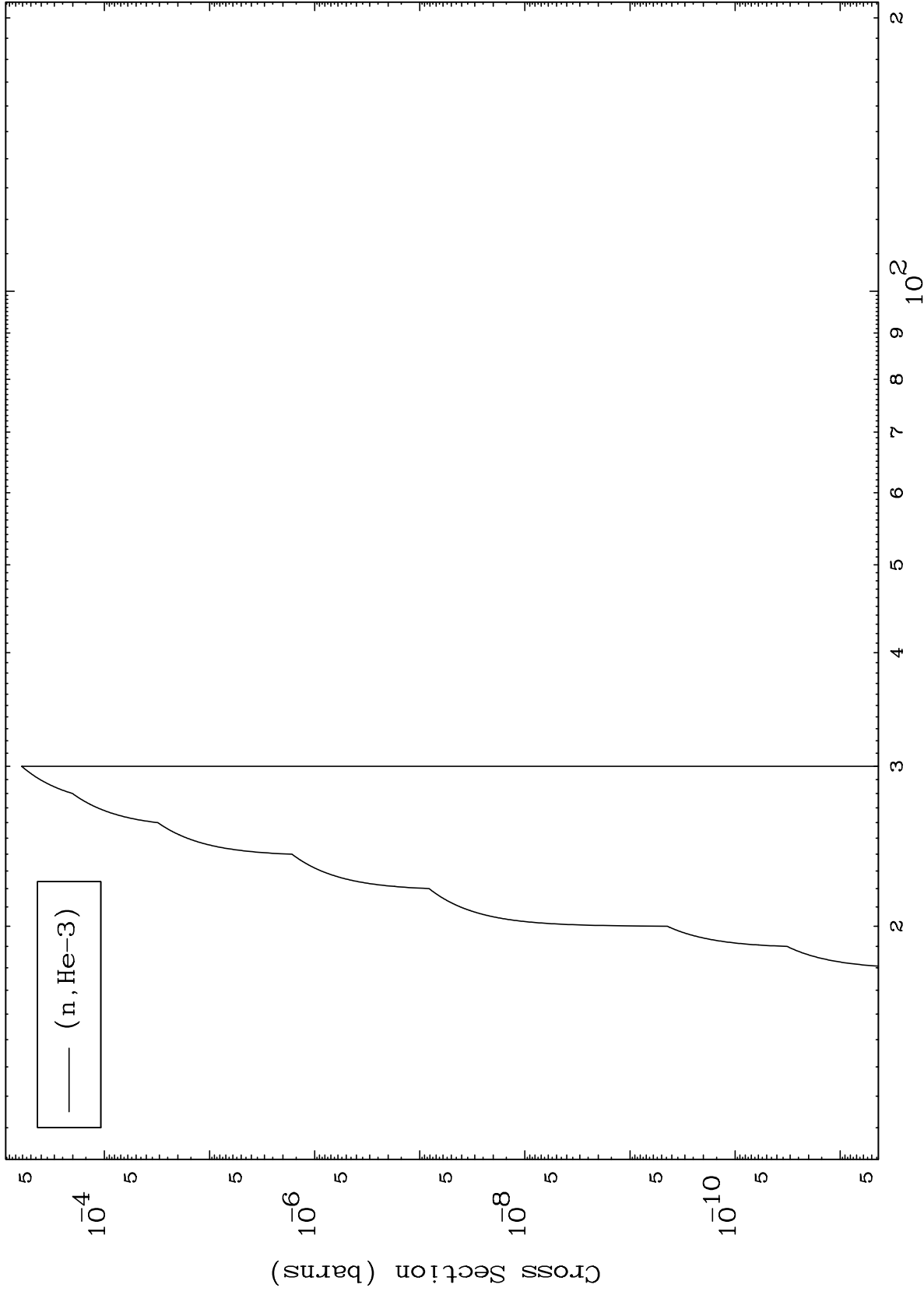
Incident Energy (MeV)

43-Tc-96m

MAT 4317

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

43-Tc-96m



10

Incident Energy (MeV)

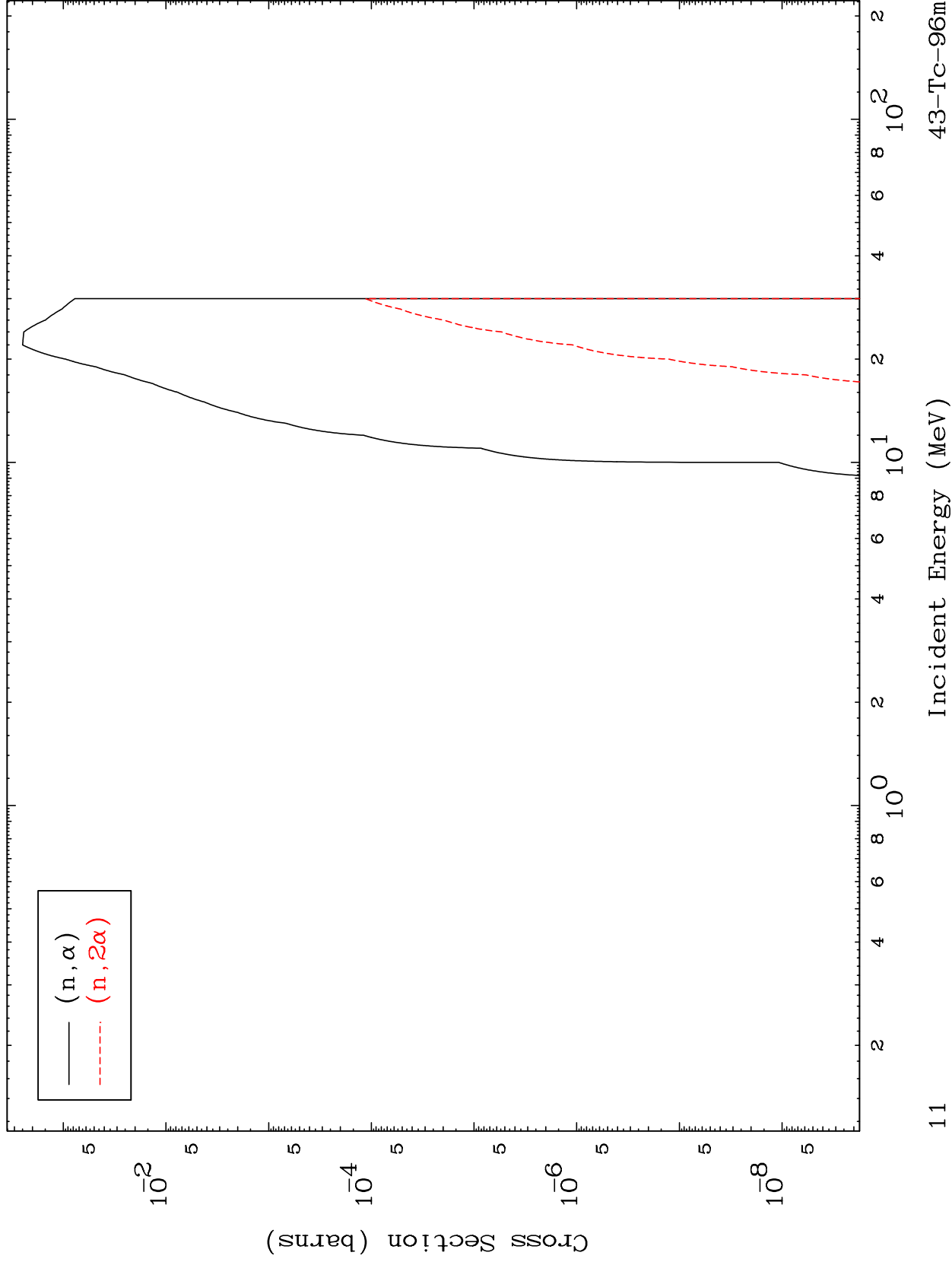
43-Tc-96m

MAT 4317

(α, α) Levels

$^{43}\text{Tc-96m}$

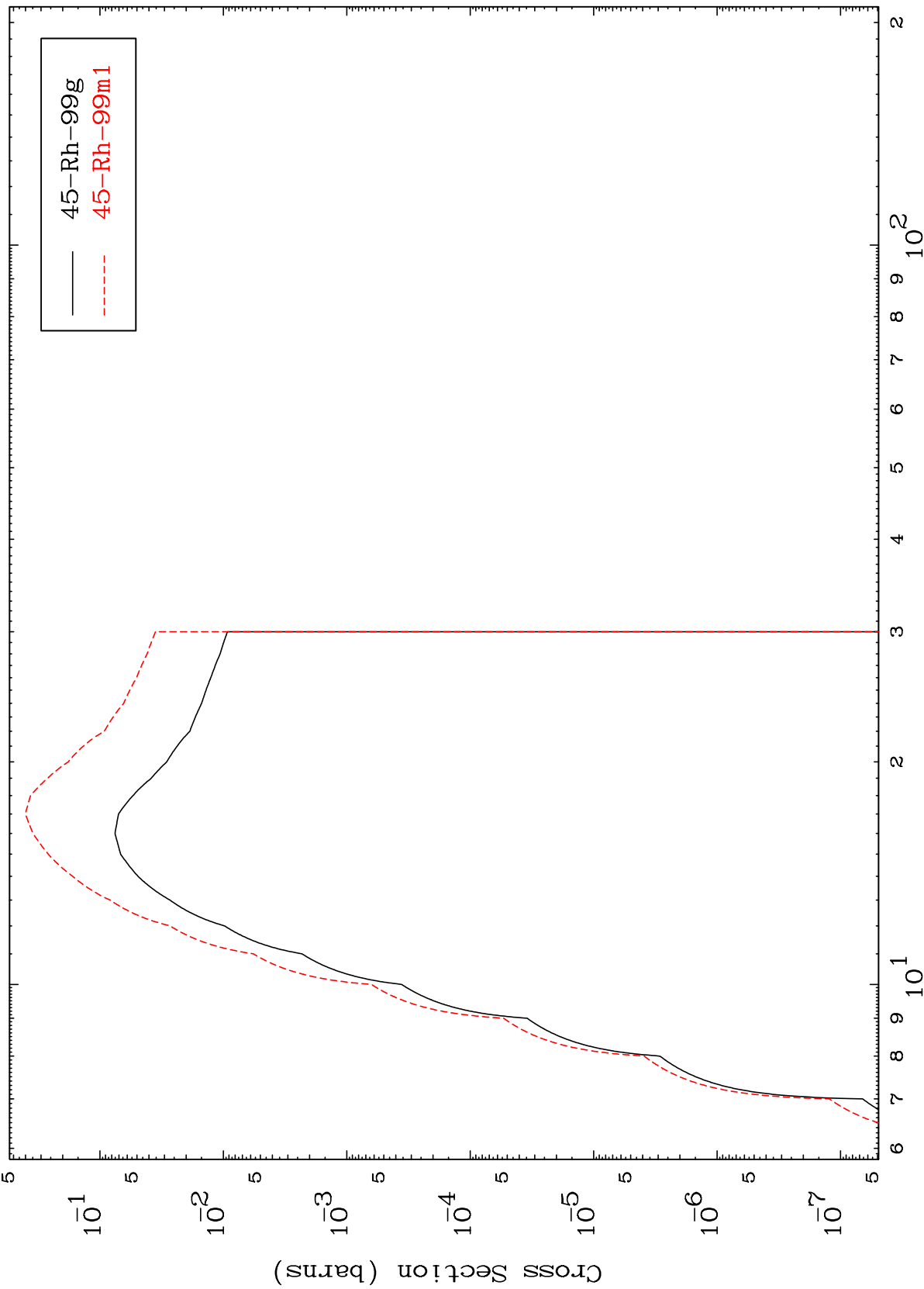
0 Kelvin Cross Sections



MAT 4317

43-Tc-96m

Inelastic
Radionuclide Production Cross Section



12

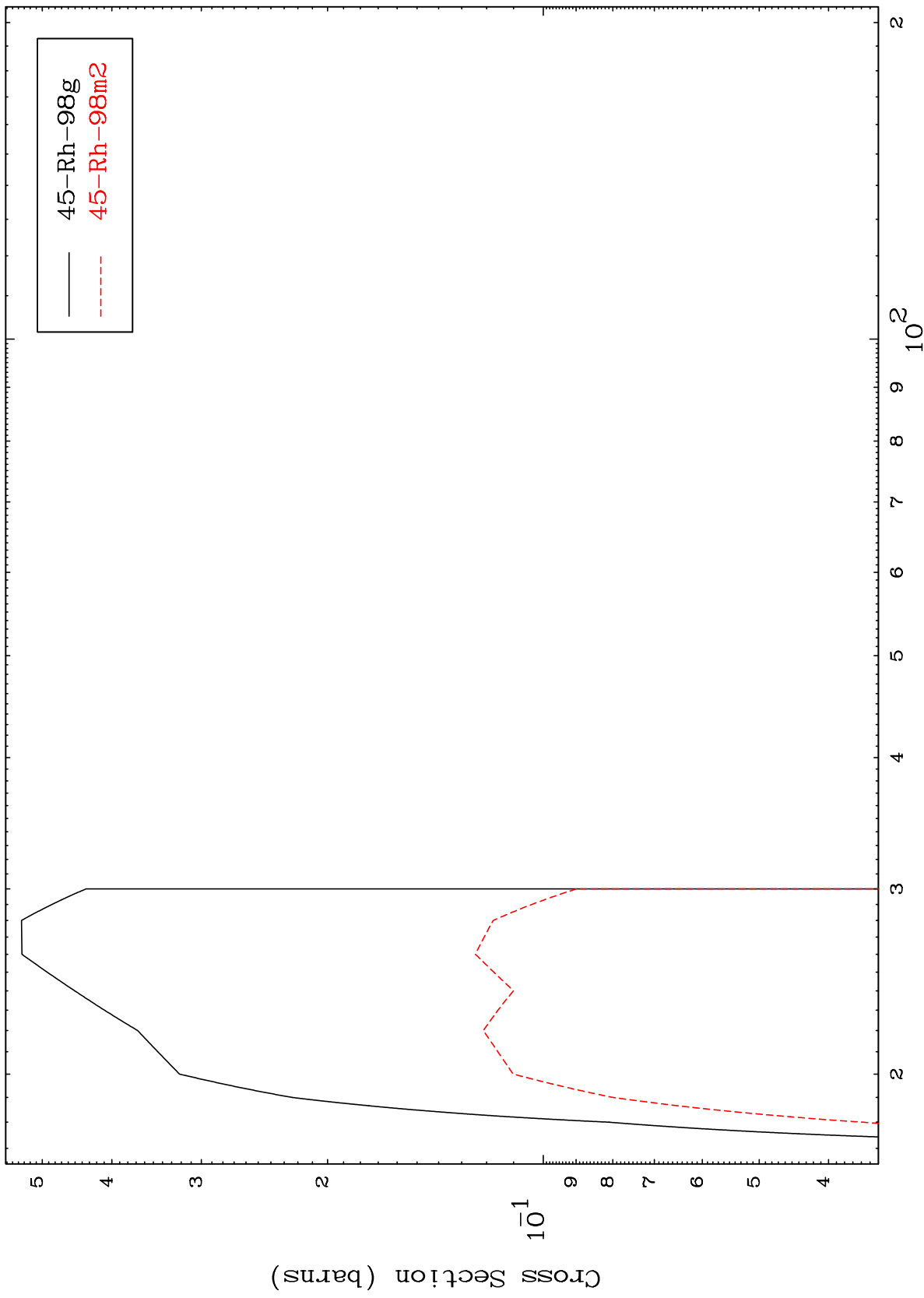
Incident Energy (MeV)

43-Tc-96m

MAT 4317

43-Tc-96m

(n,2n)
Radionuclide Production Cross Section



13

43-Tc-96m

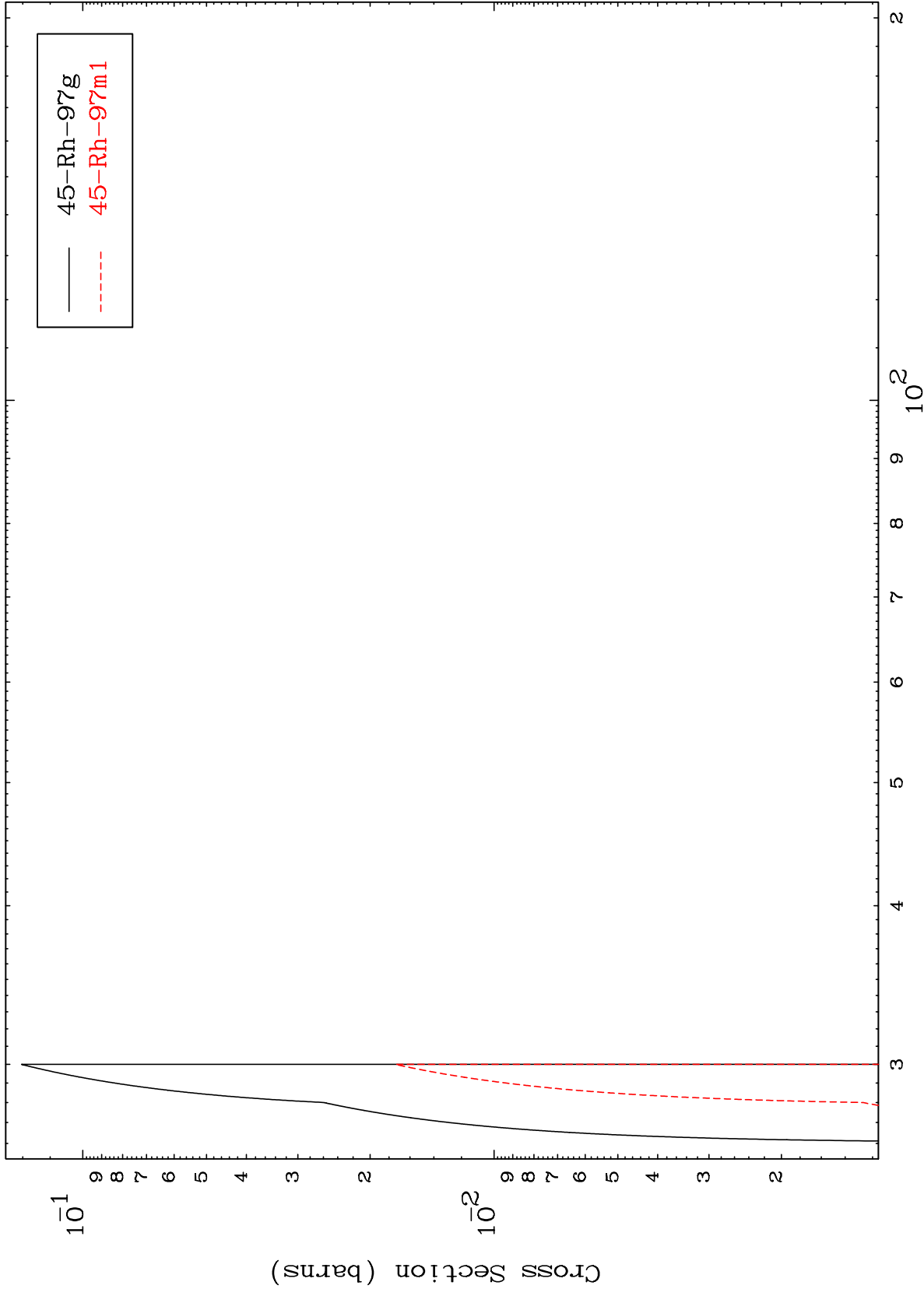
Incident Energy (MeV)

MAT 4317

(n,3n)

43-Tc-96m

Radionuclide Production Cross Section



14

Incident Energy (MeV)

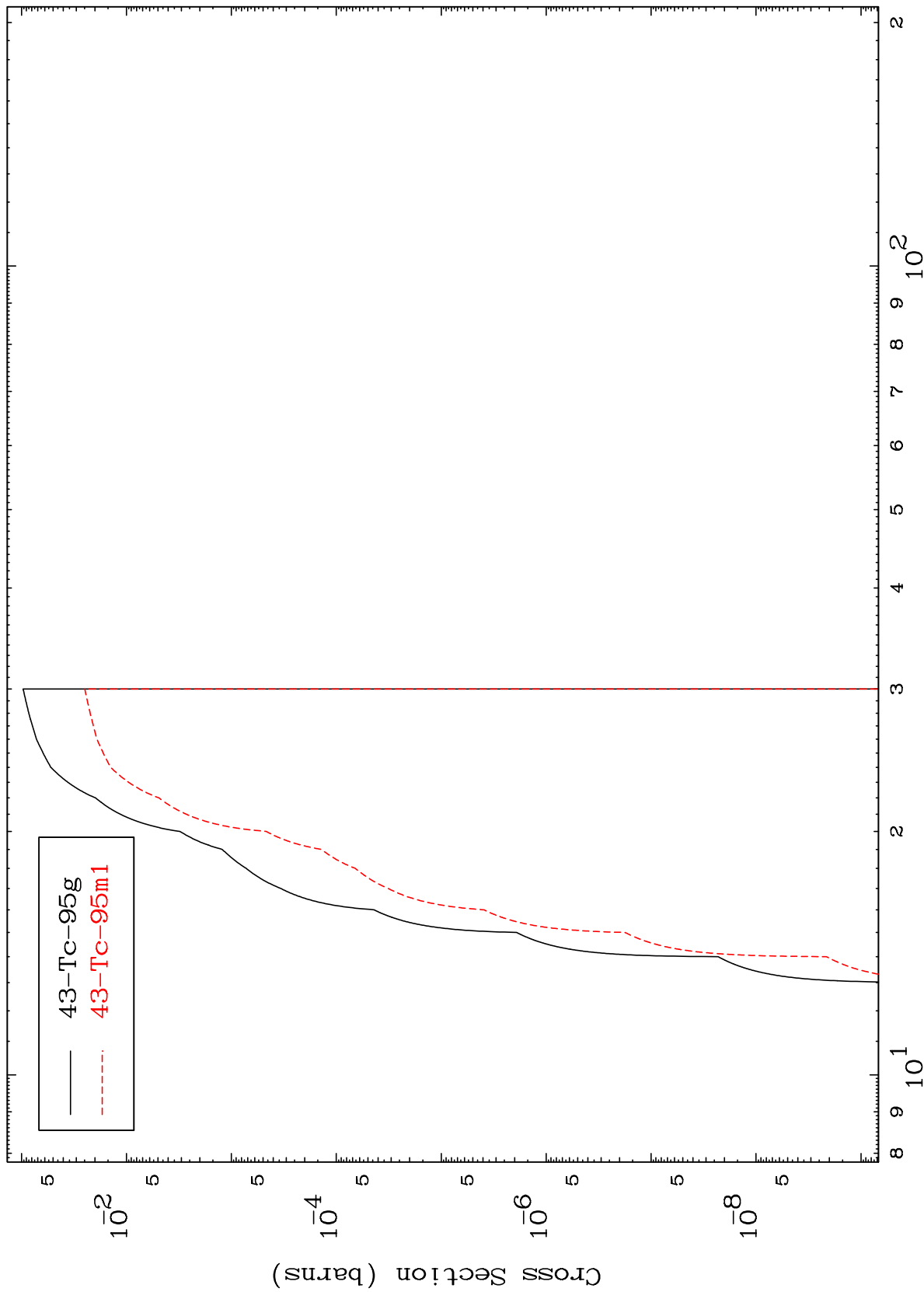
43-Tc-96m

MAT 4317

43-Tc-96m

(n,n') α

Radionuclide Production Cross Section



15

Incident Energy (MeV)

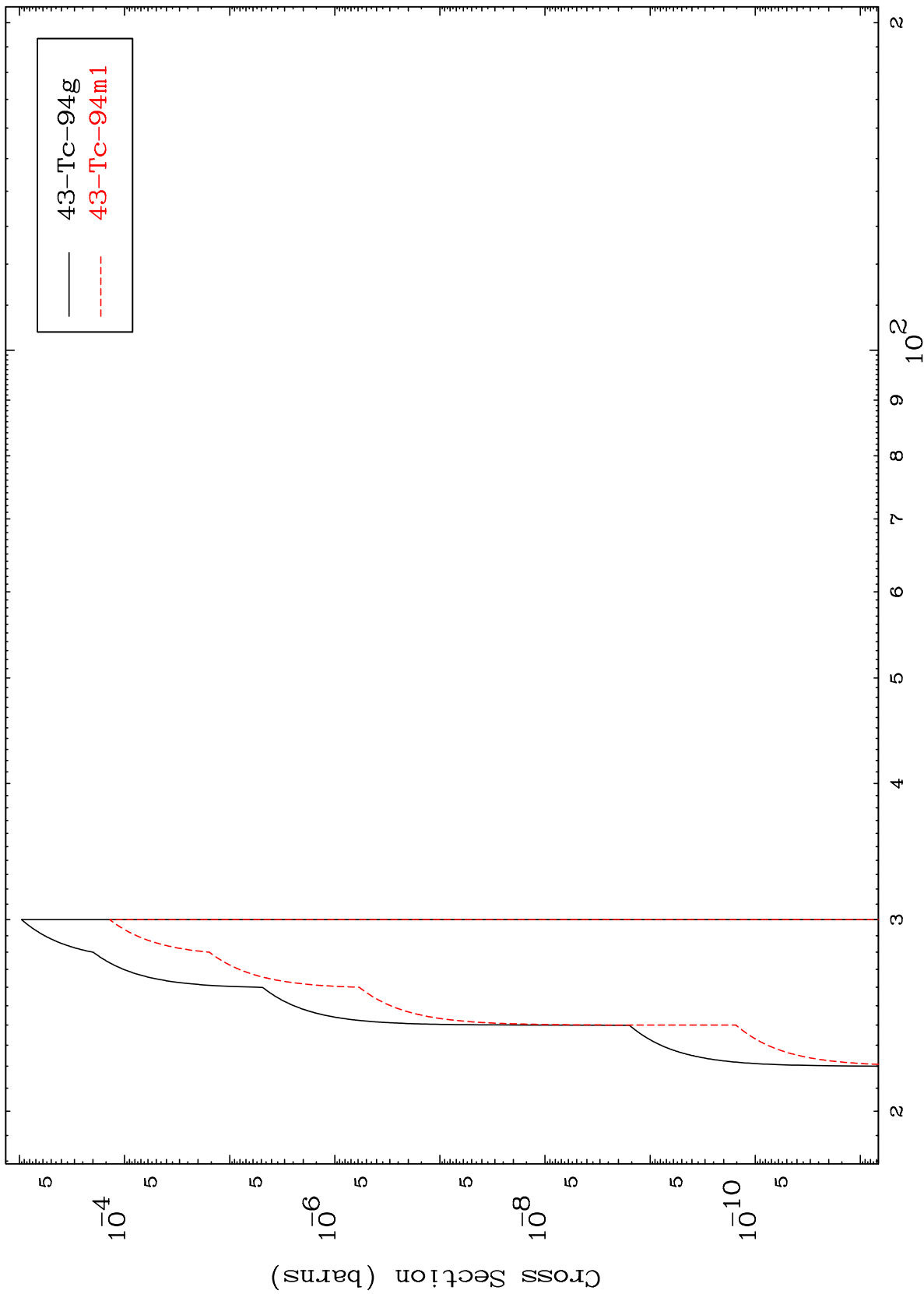
43-Tc-96m

MAT 4317

(n,2n) α

43-Tc-96m

Radionuclide Production Cross Section



16

Incident Energy (MeV)

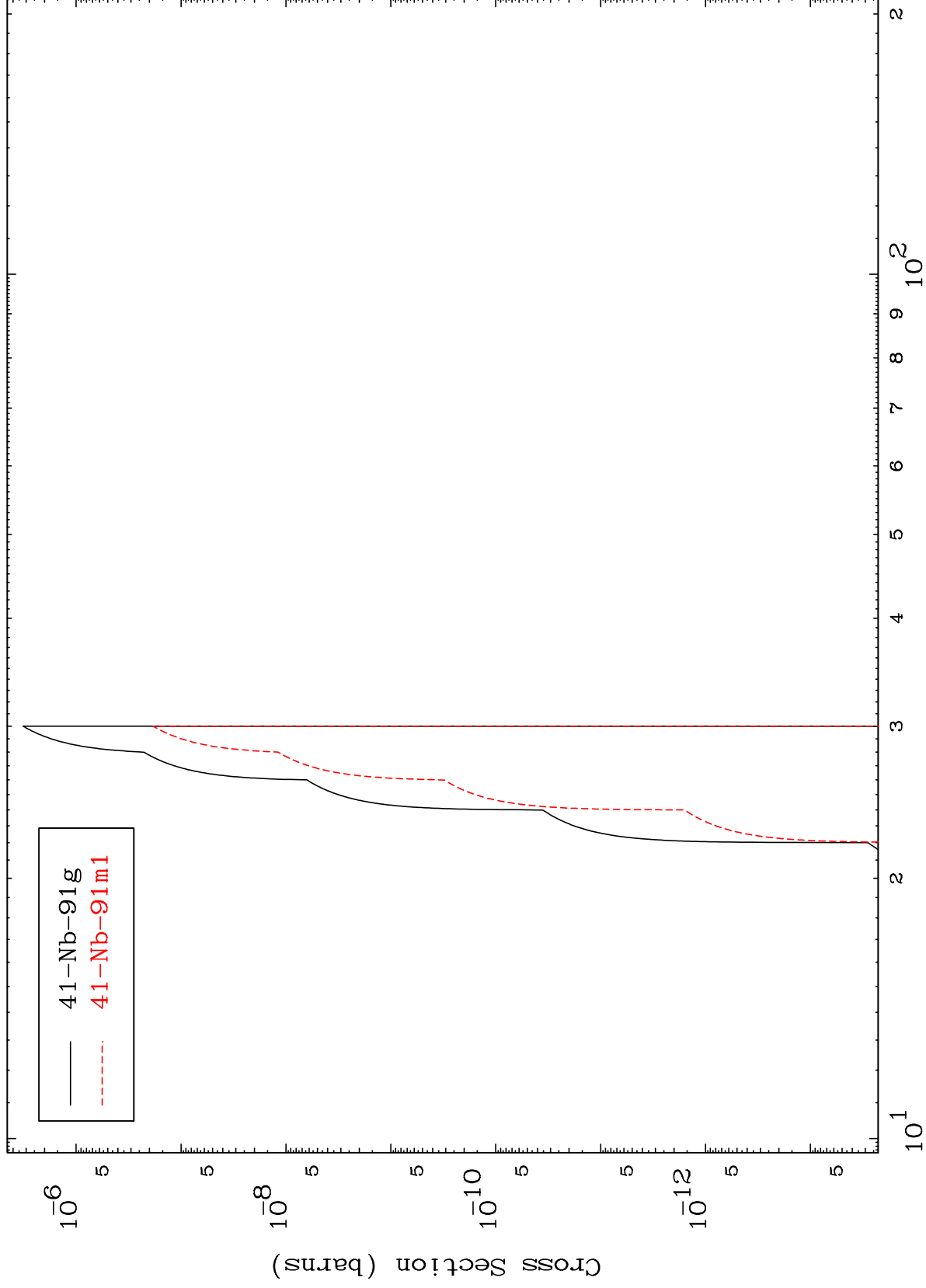
43-Tc-96m

MAT 4317

(n,n') 2α

43-Tc-96m

Radionuclide Production Cross Section



17

Incident Energy (MeV)

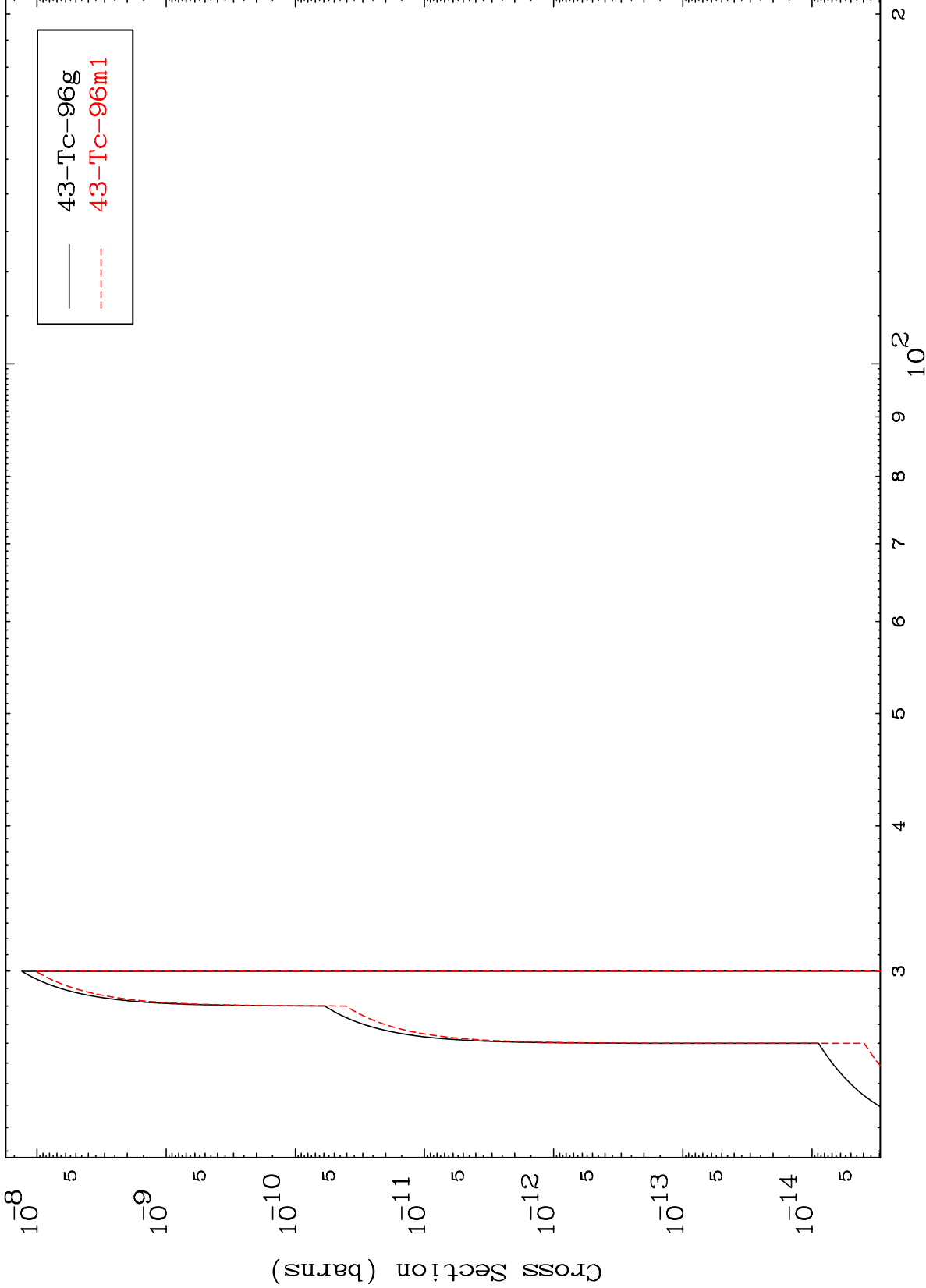
43-Tc-96m

MAT 4317

(n,n') He-3

43-Tc-96m

Radionuclide Production Cross Section



18

Incident Energy (MeV)

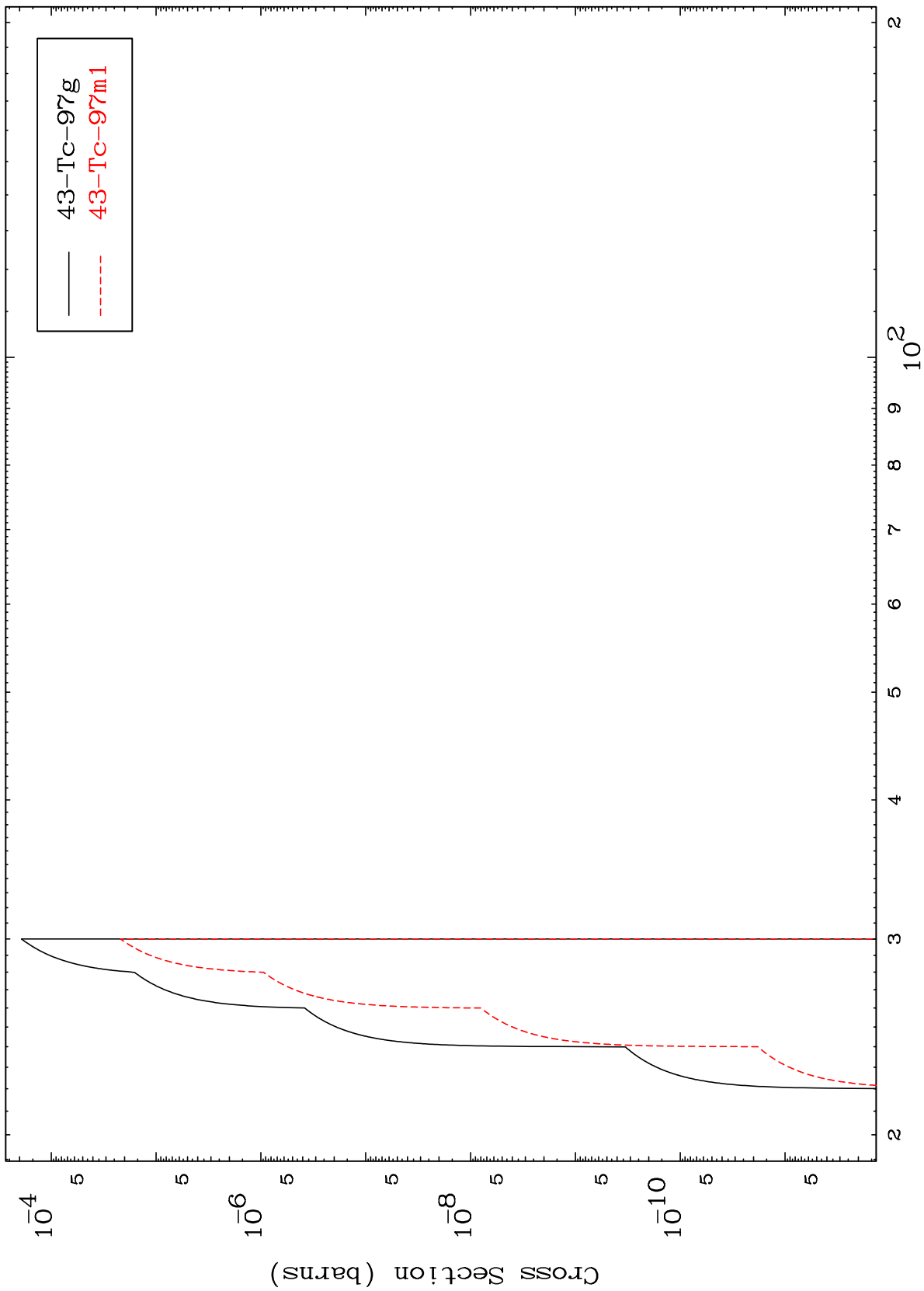
43-Tc-96m

MAT 4317

(n,2n) p

43-Tc-96m

Radionuclide Production Cross Section



19

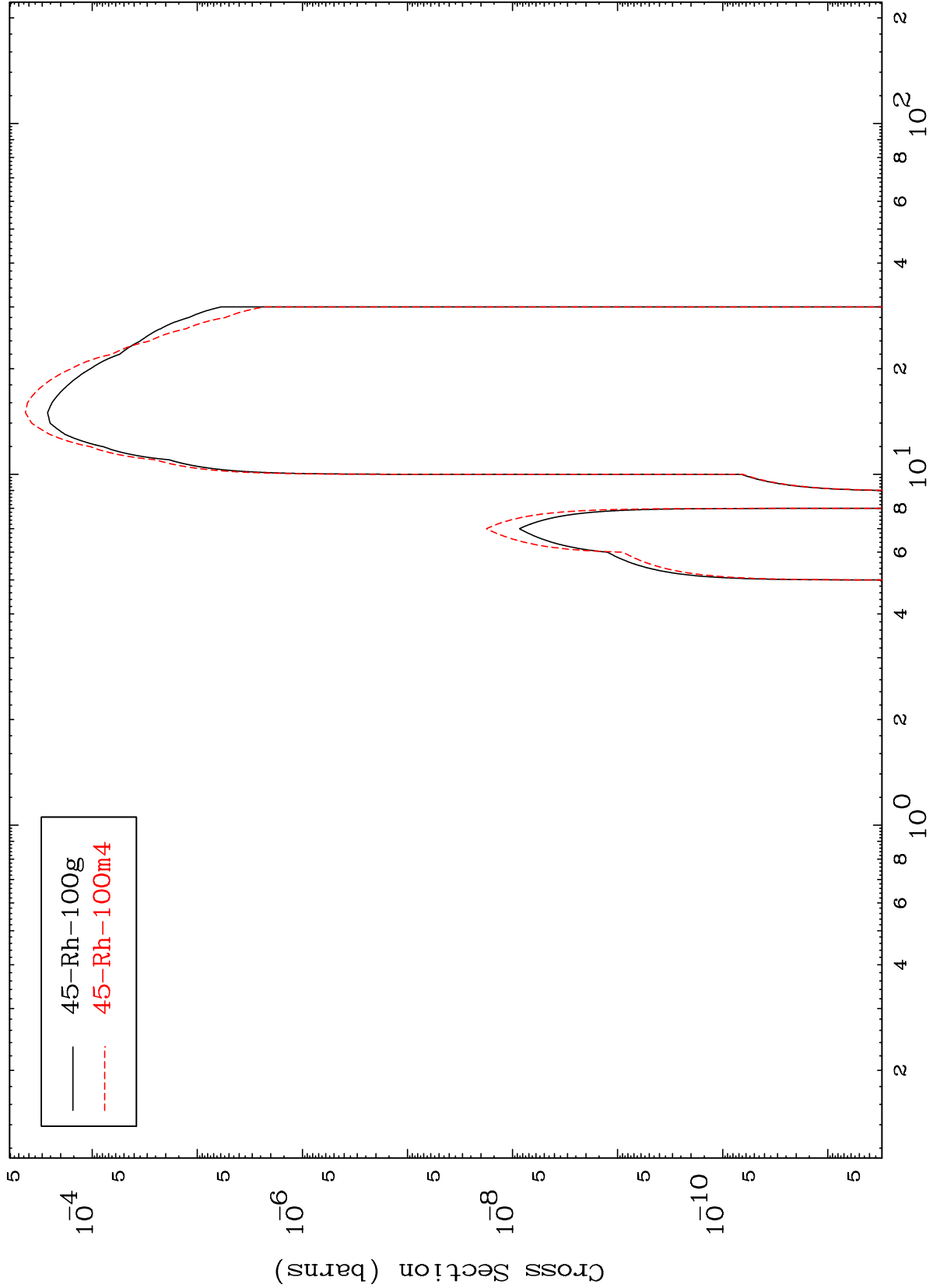
Incident Energy (MeV)

43-Tc-96m

MAT 4317

43-Tc-96m

(n, γ)
Radionuclide Production Cross Section



20

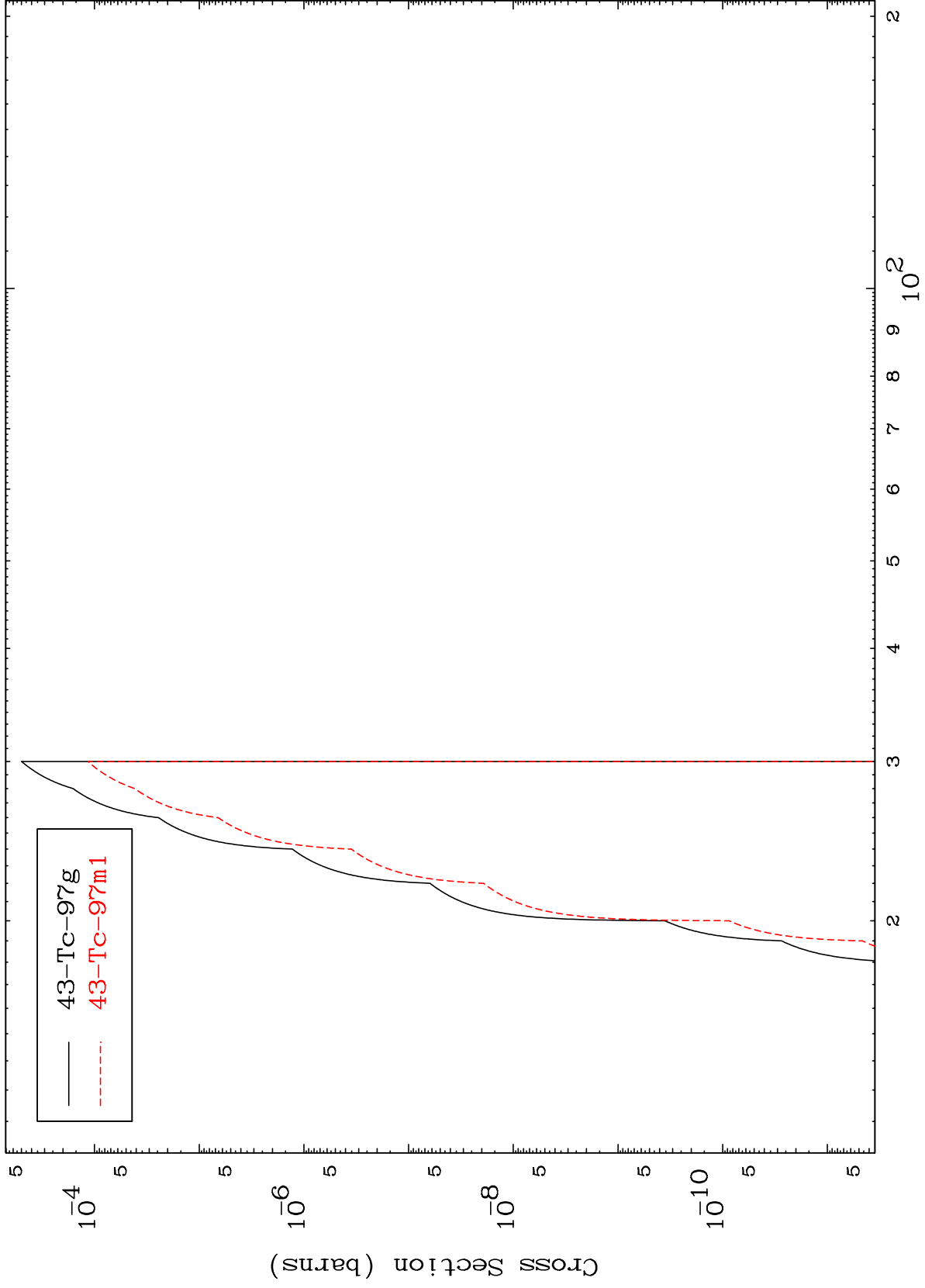
43-Tc-96m

MAT 4317

(n,He-3)

43-Tc-96m

Radionuclide Production Cross Section



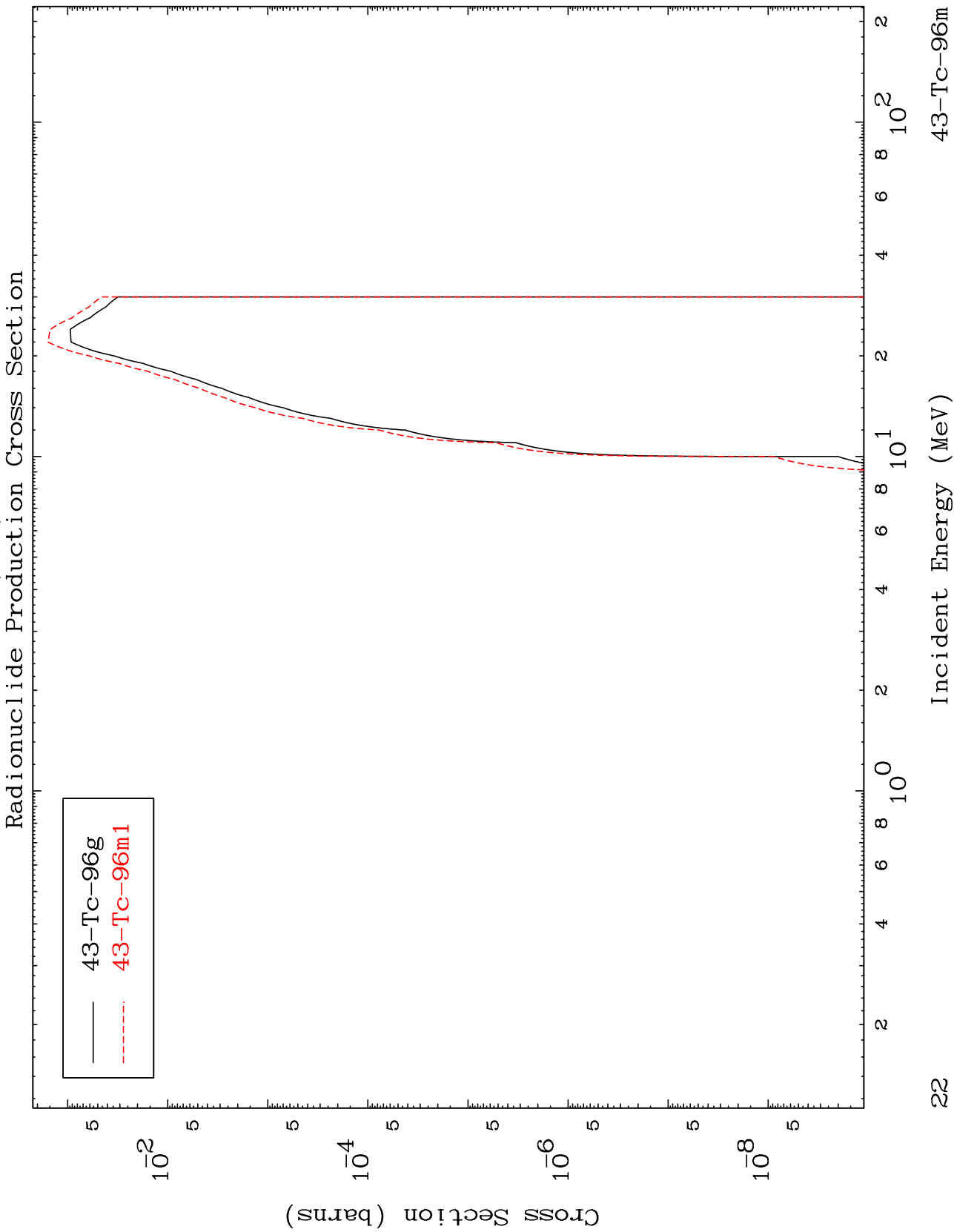
21

Incident Energy (MeV)

43-Tc-96m

MAT 4317

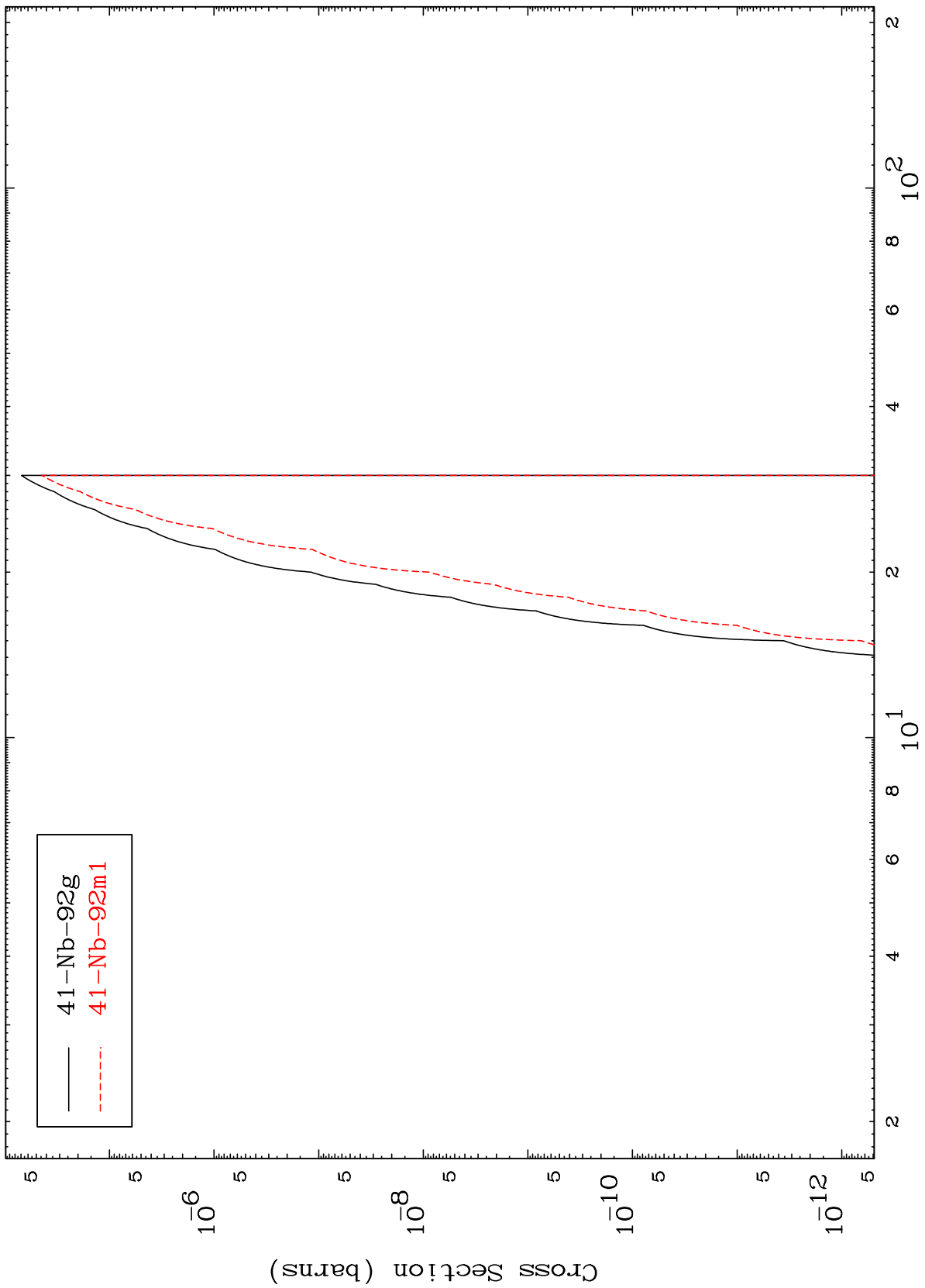
⁴³Tc-96m



MAT 4317

43-Tc-96m

(n,2α)
Radionuclide Production Cross Section



23

43-Tc-96m

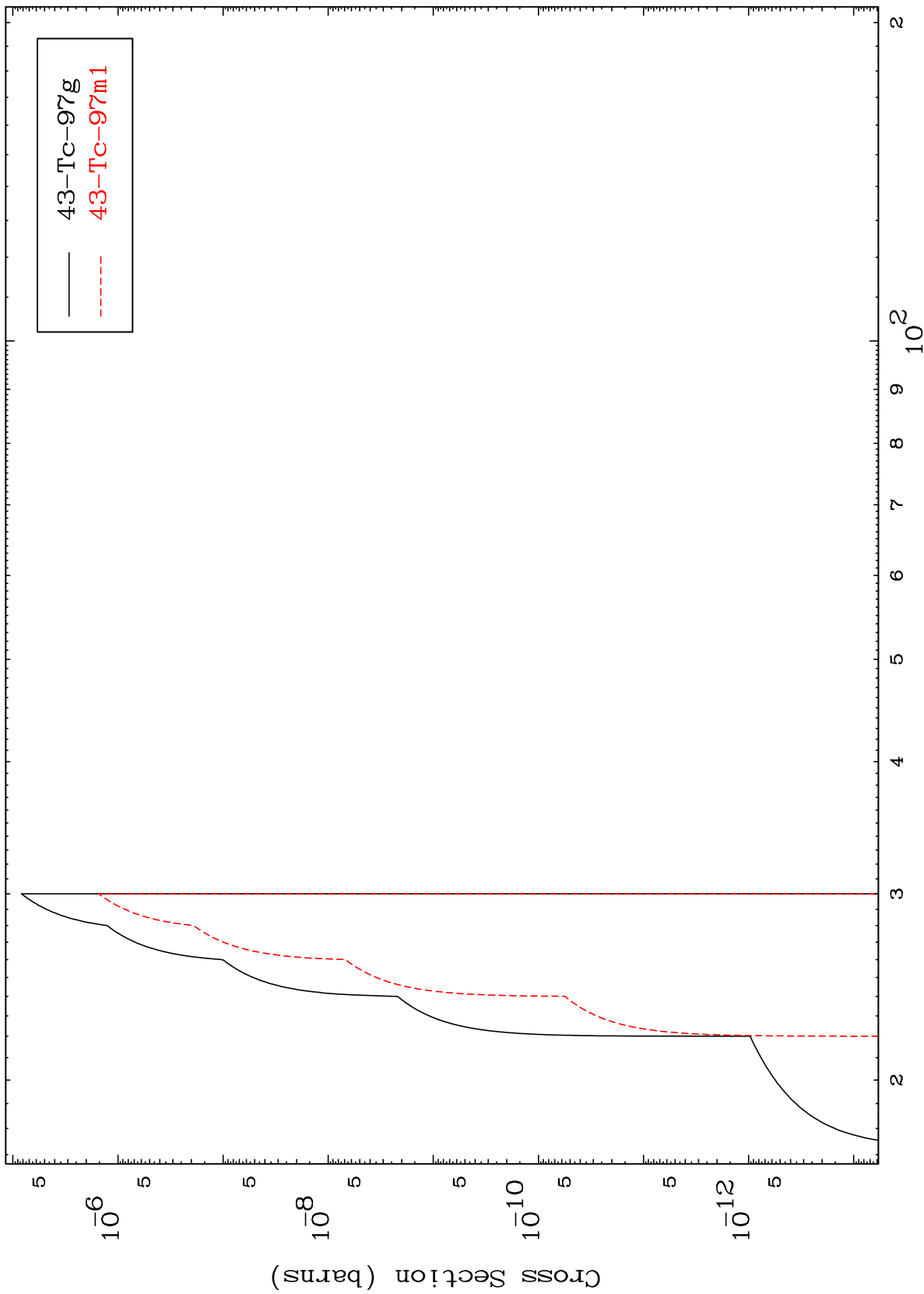
Incident Energy (MeV)

MAT 4317

(n,p) d

43-Tc-96m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

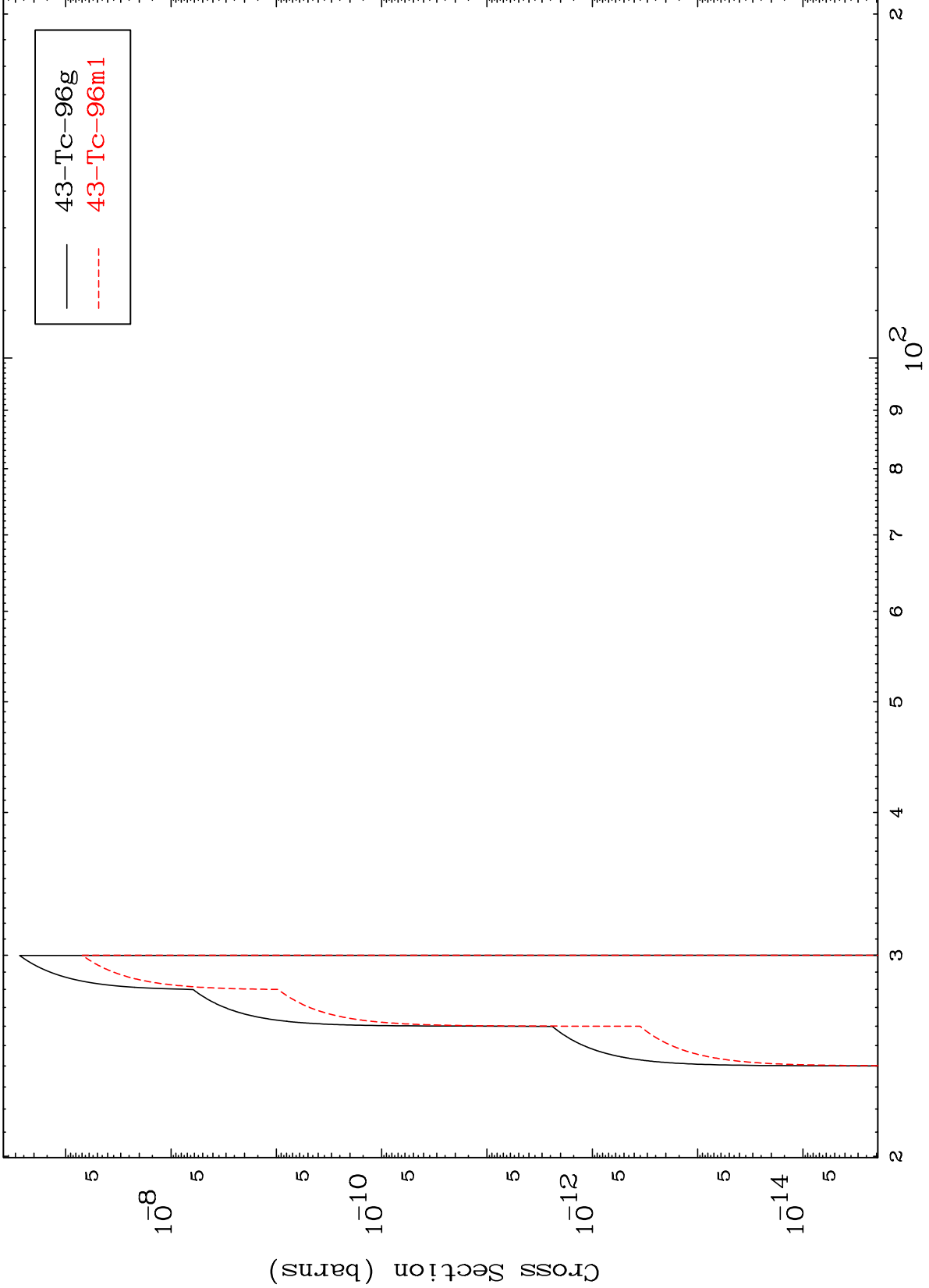
43-Tc-96m

MAT 4317

(n,p) t

43-Tc-96m

Radionuclide Production Cross Section



43-Tc-96g
43-Tc-96m1

25

Incident Energy (MeV)

43-Tc-96m