

Program EVALPLOT
(Version 2021-1)

by

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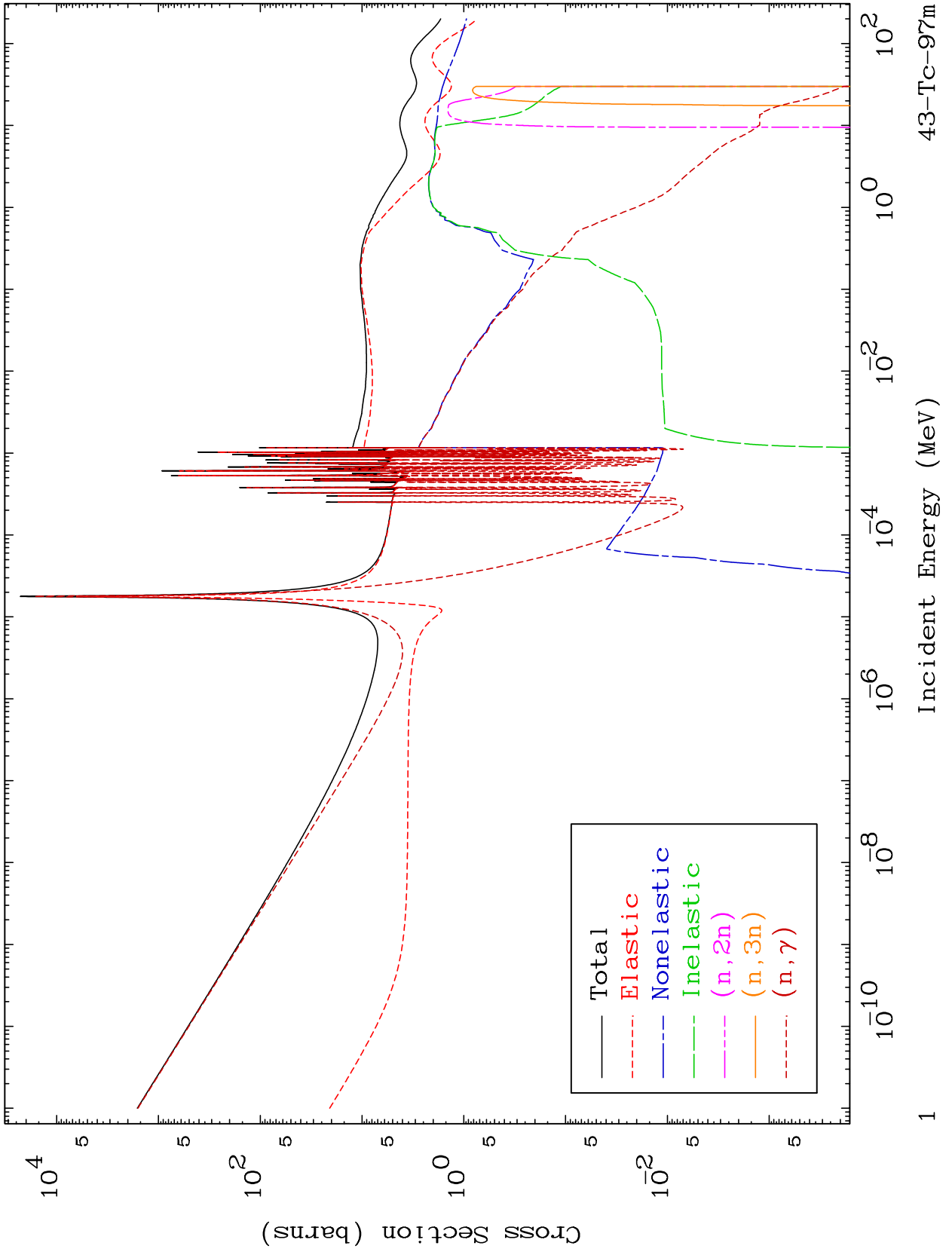
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4320

Neutron Major
293 Kelvin Cross Sections

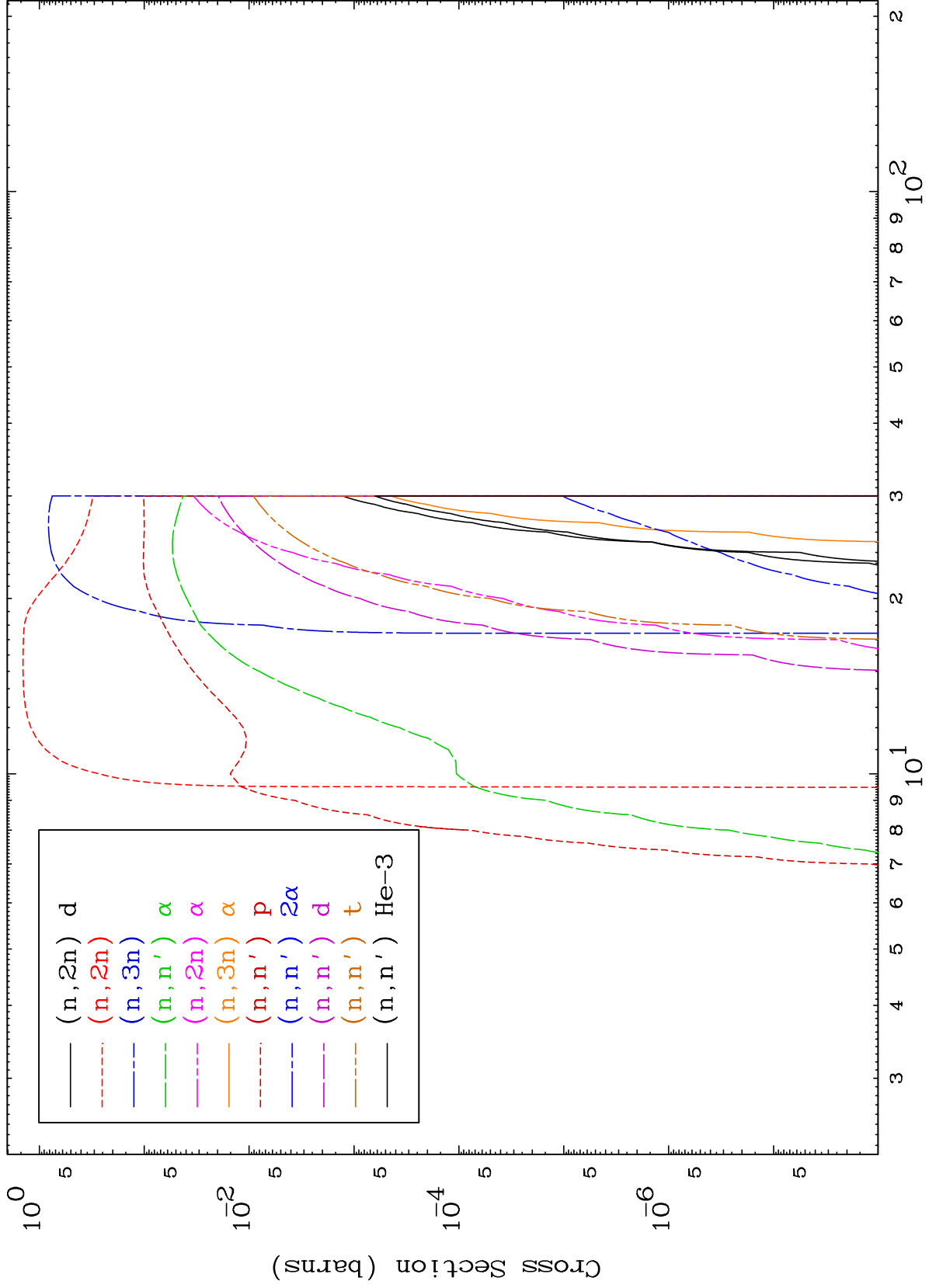
43-Tc-97m



MAT 4320

Neutron Absorption
293 Kelvin Cross Sections

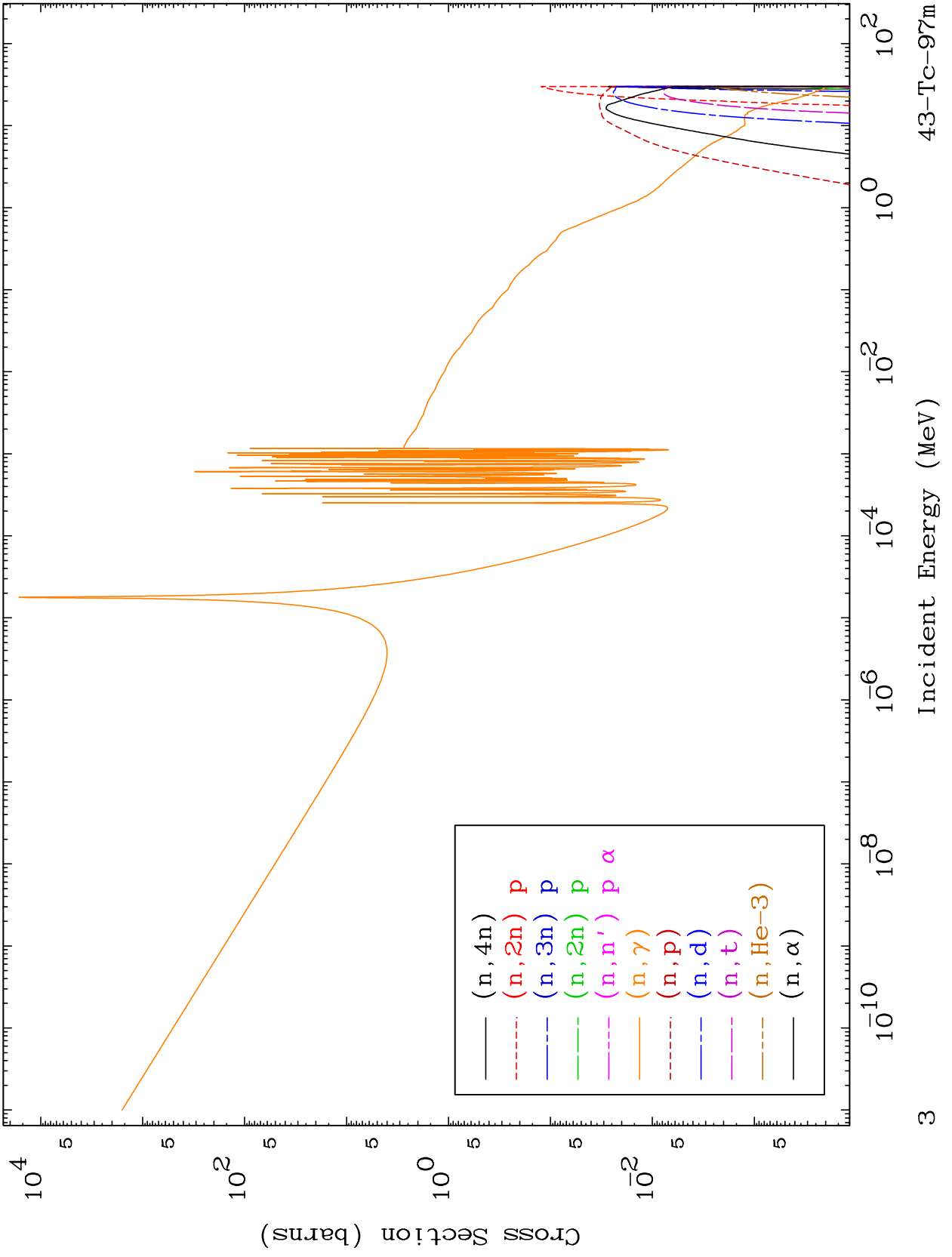
43-Tc-97m



MAT 4320

Neutron Absorption
293 Kelvin Cross Sections

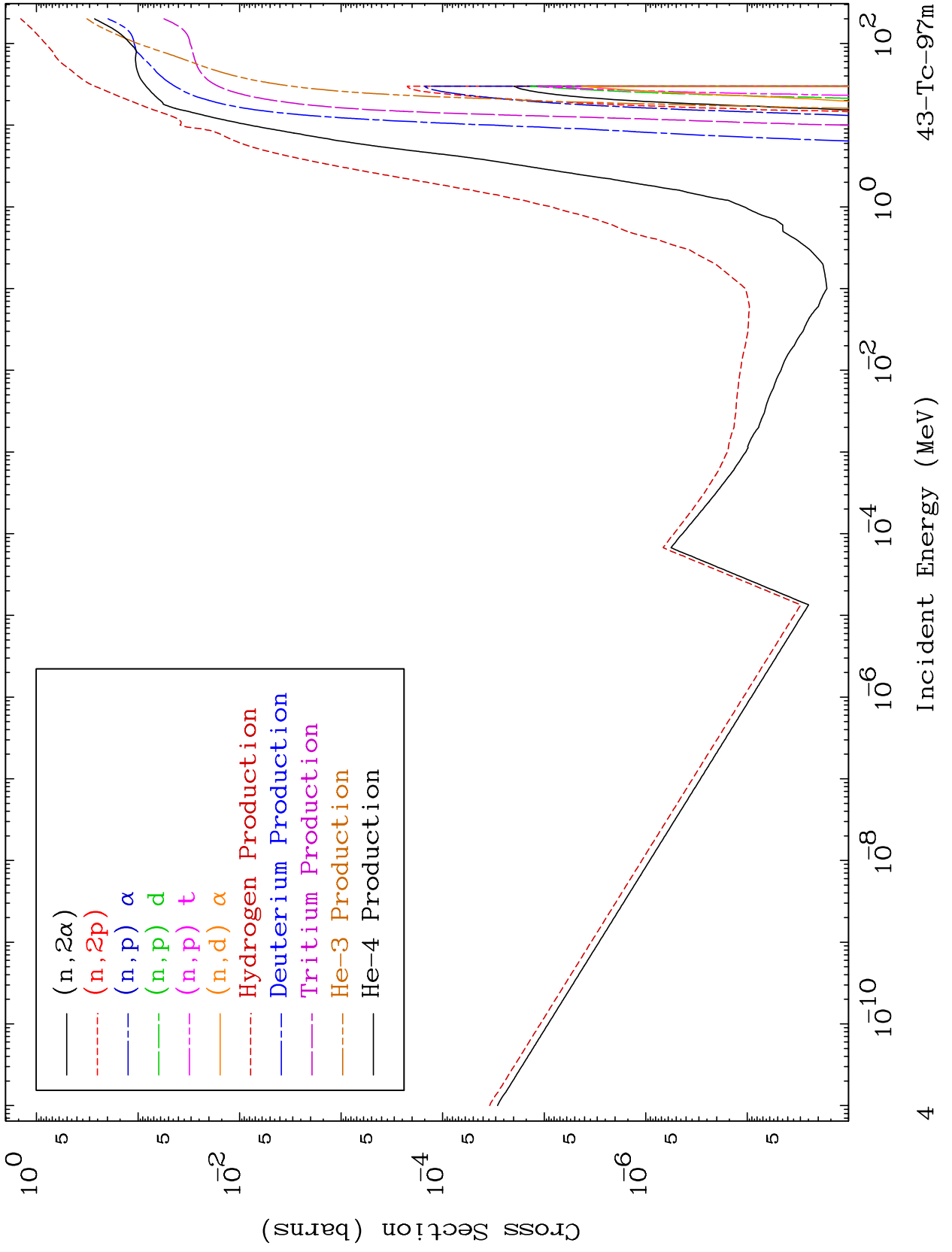
43-Tc-97m



MAT 4320

Neutron Absorption
293 Kelvin Cross Sections

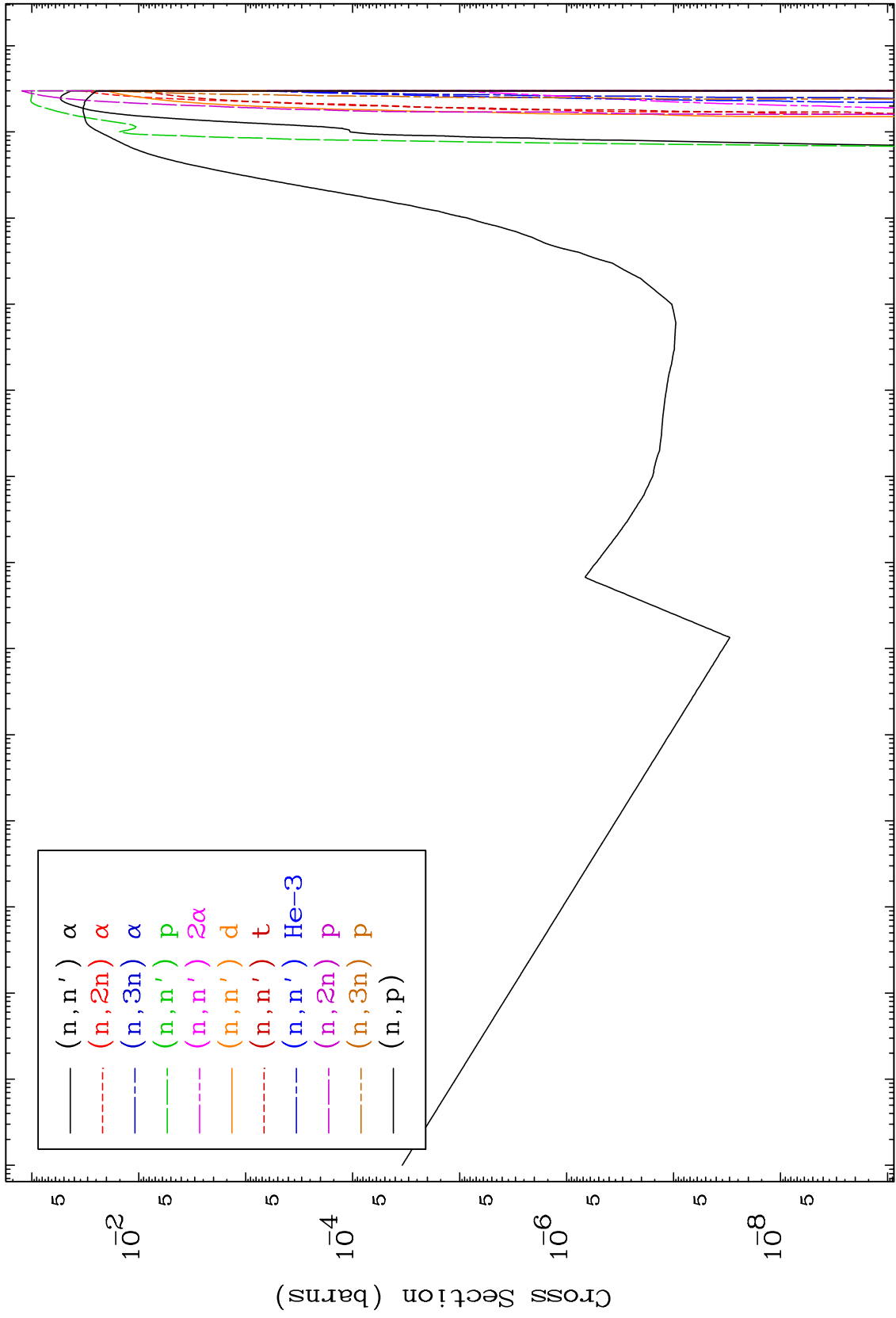
43-Tc-97m



MAT 4320

Charged Particle
293 Kelvin Cross Sections

43-Tc-97m



5

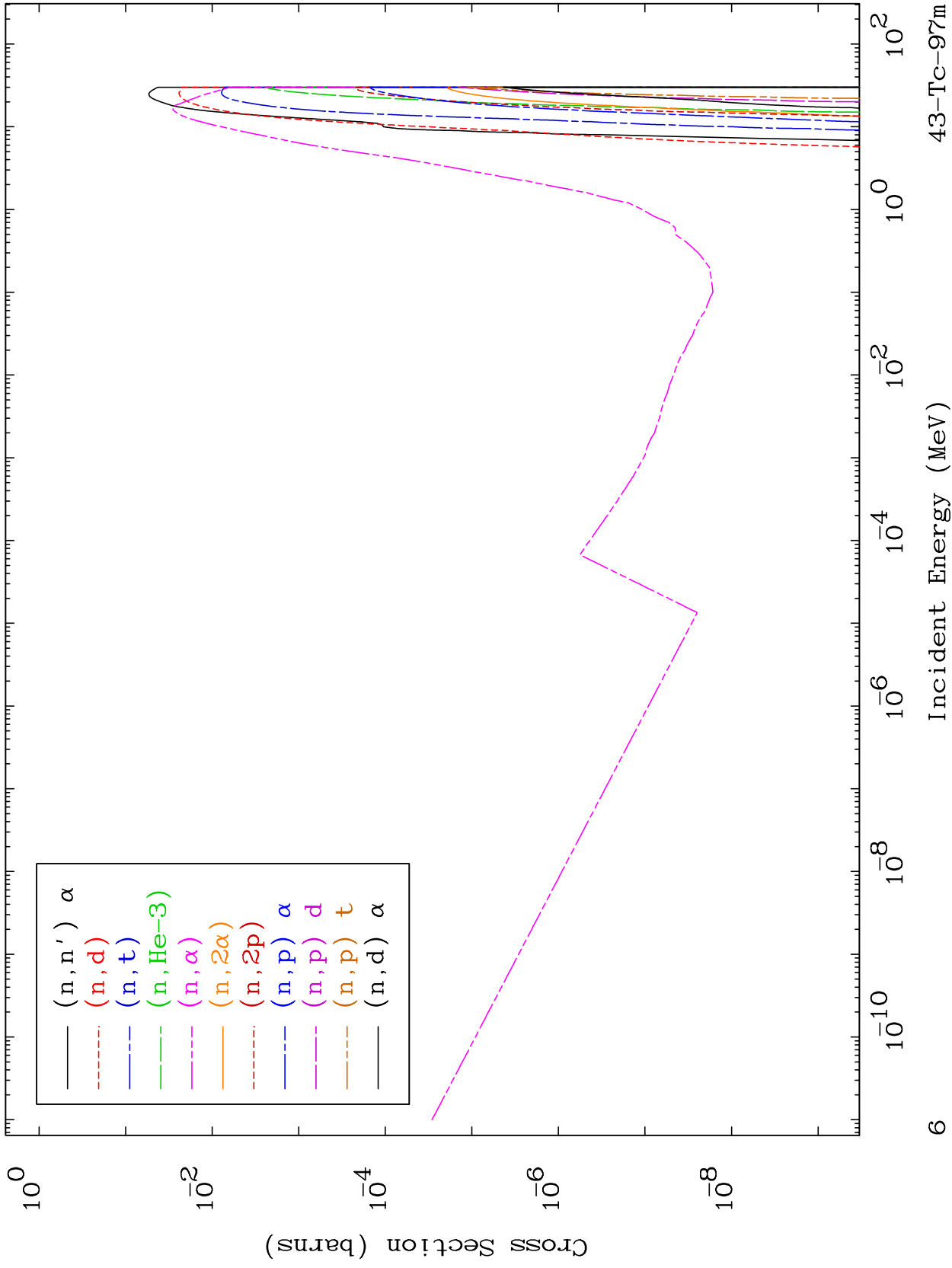
Incident Energy (MeV)

43-Tc-97m

MAT 4320

Charged Particle
293 Kelvin Cross Sections

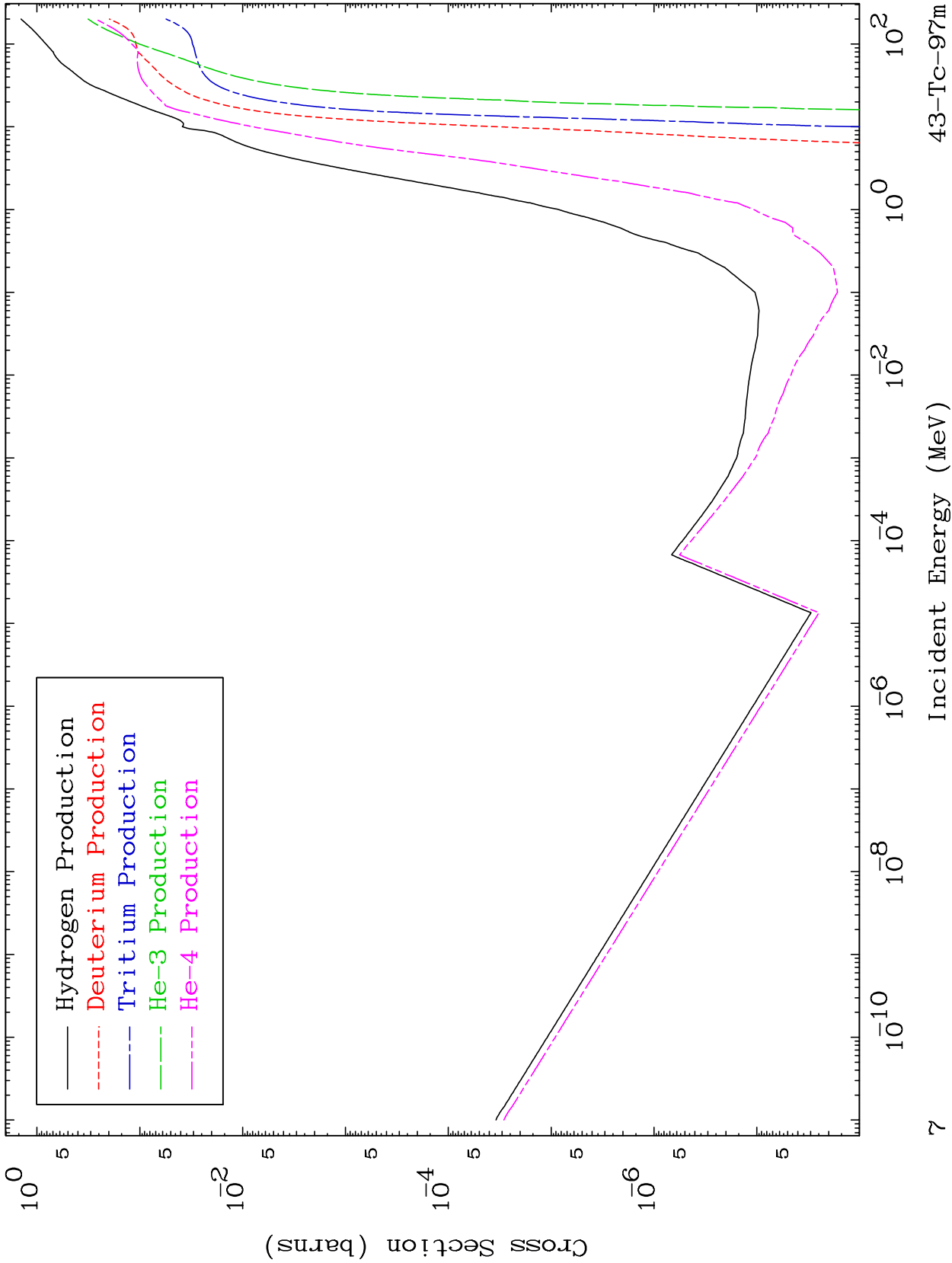
43-Tc-97m



MAT 4320

Particle Production
293 Kelvin Cross Sections

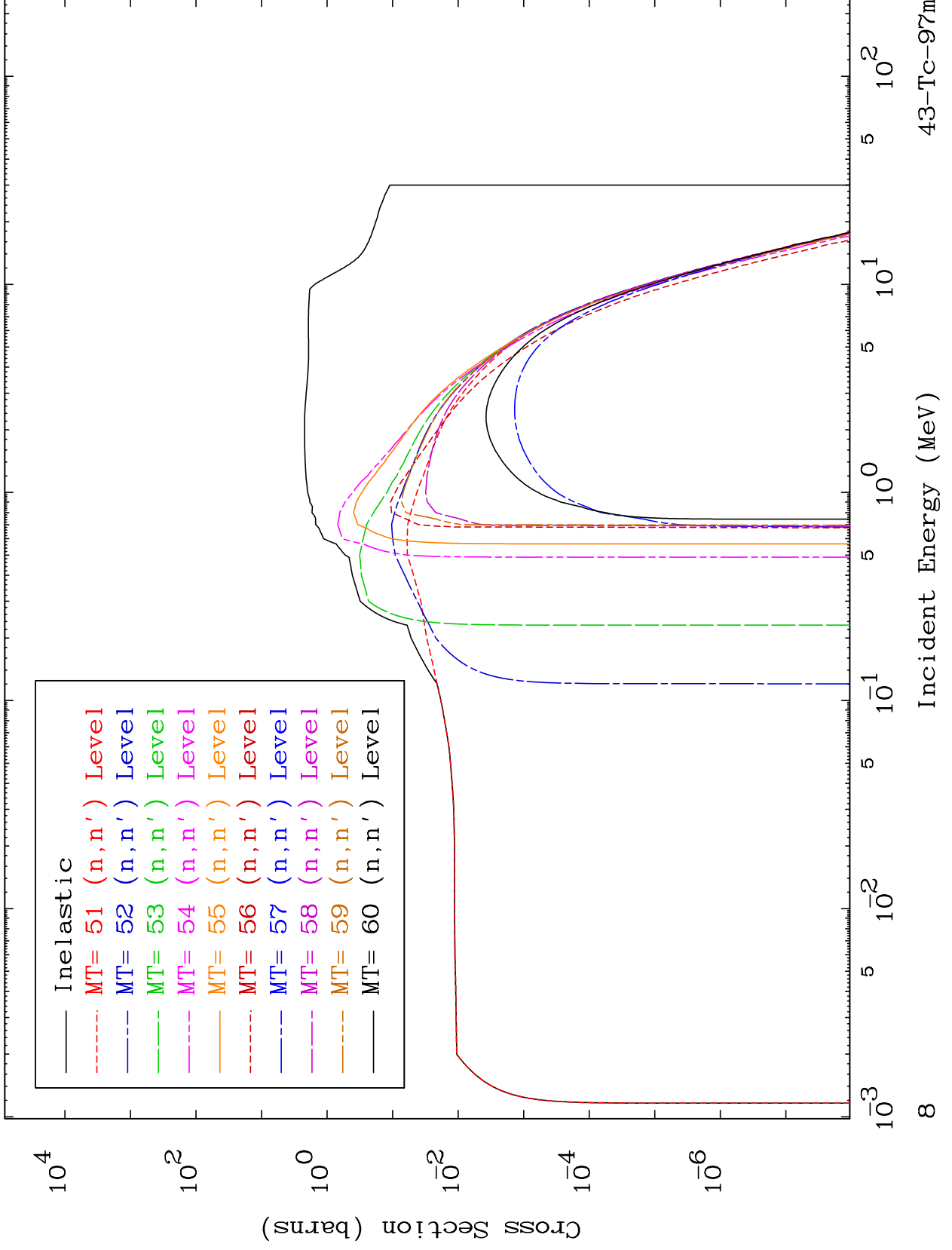
43-Tc-97m



MAT 4320

(n,n') Levels
293 Kelvin Cross Sections

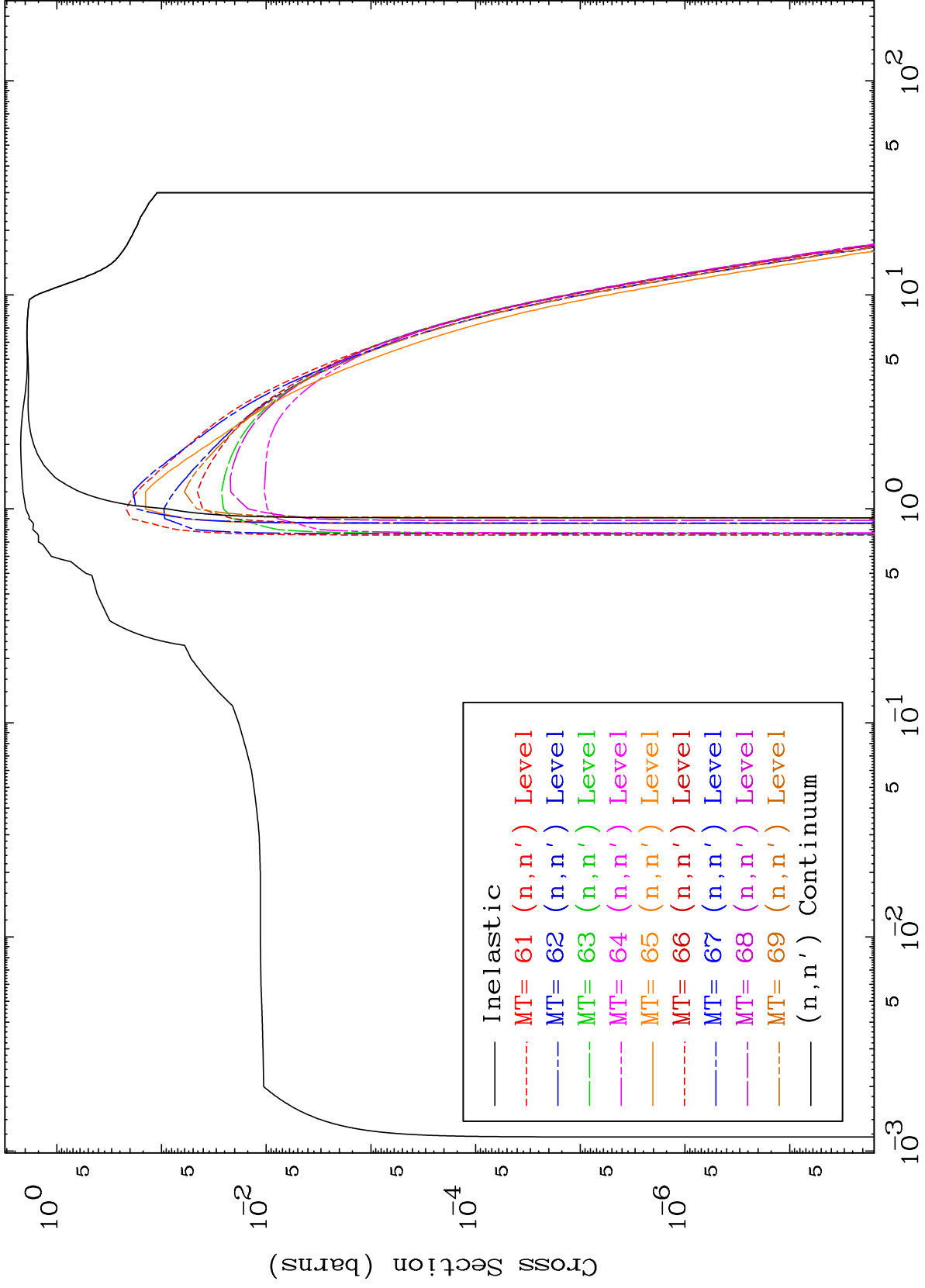
43-Tc-97m



MAT 4320

(n,n') Levels
293 Kelvin Cross Sections

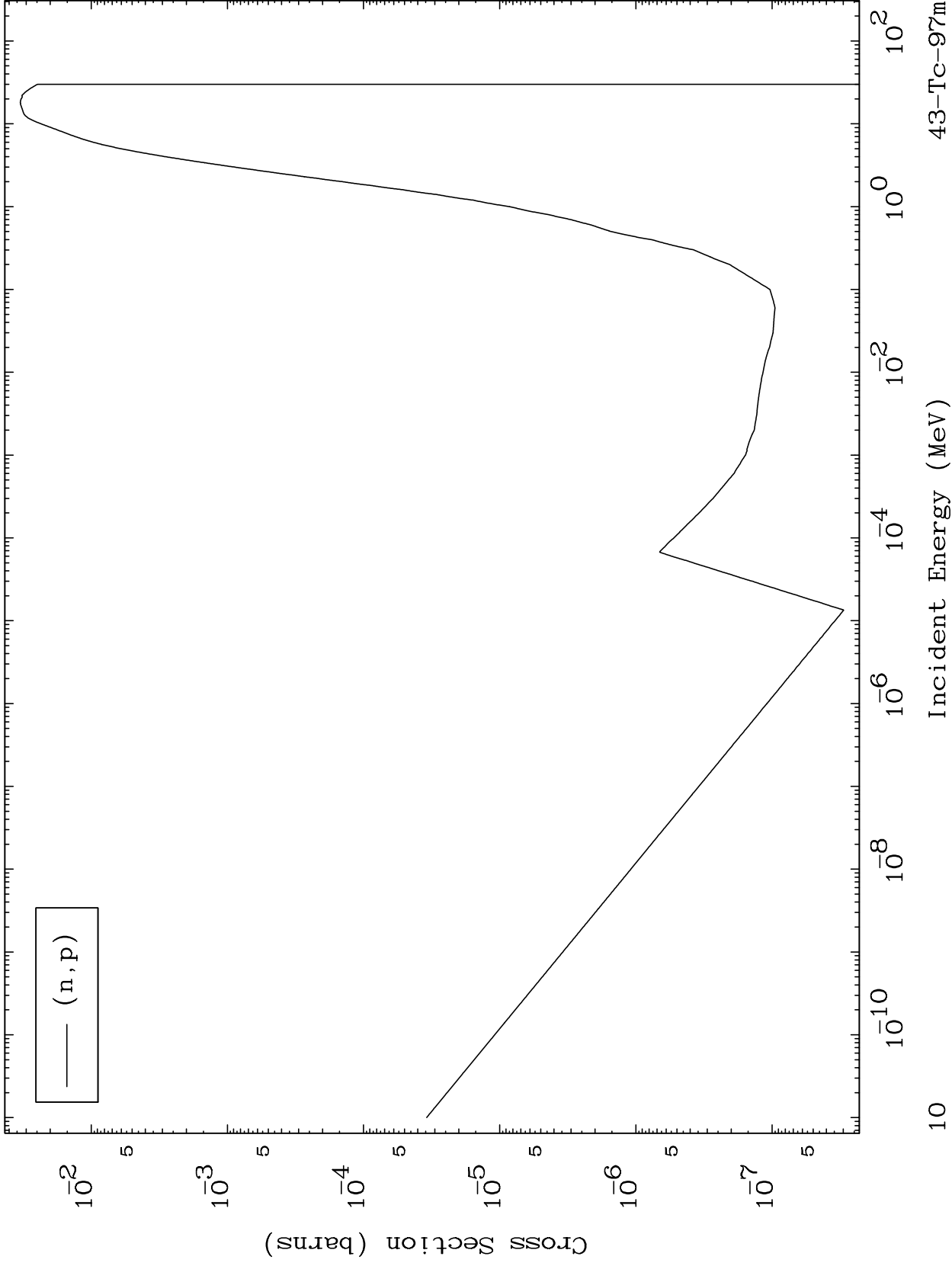
43-Tc-97m



MAT 4320

(n,p) Levels
293 Kelvin Cross Sections

43-Tc-97m



10

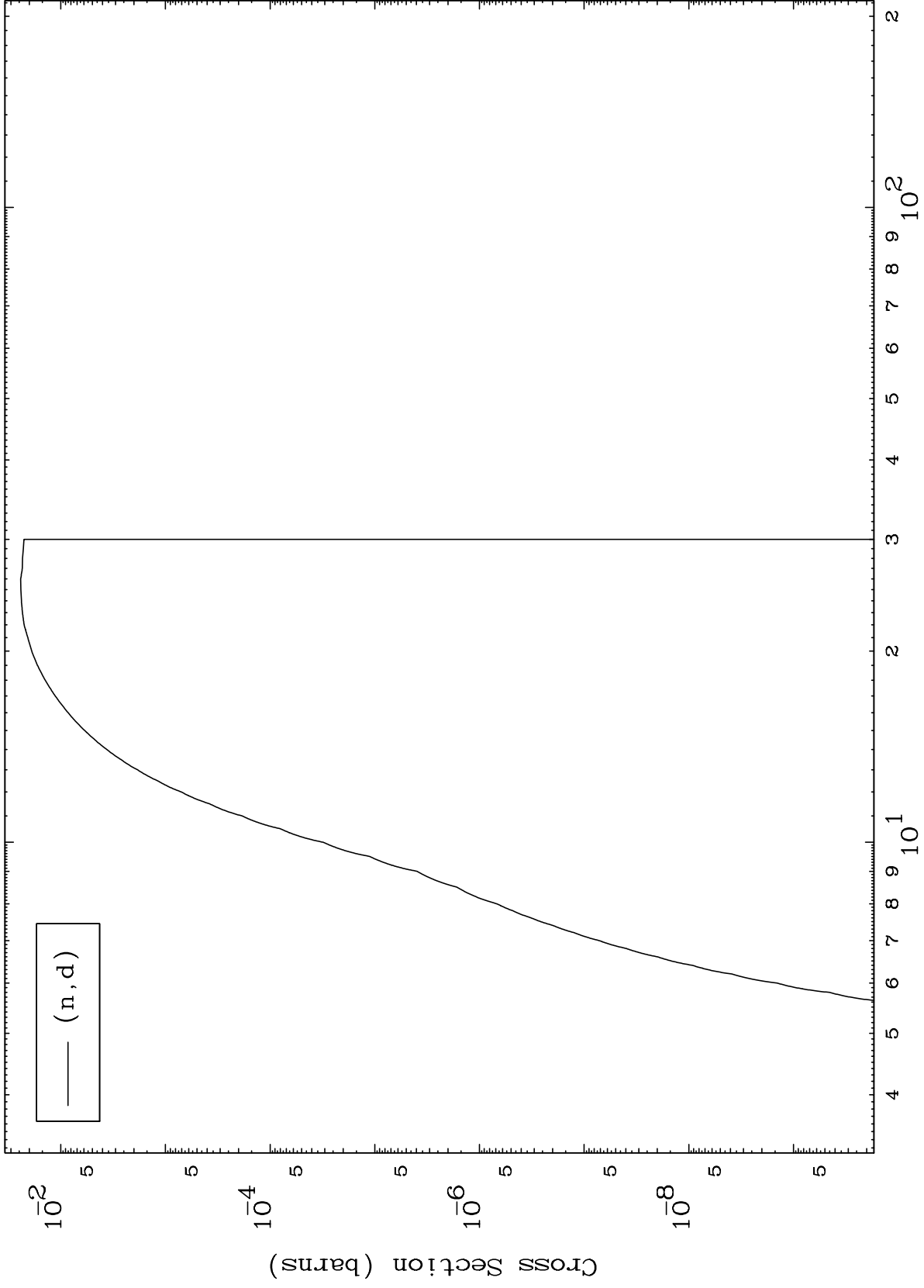
Incident Energy (MeV)

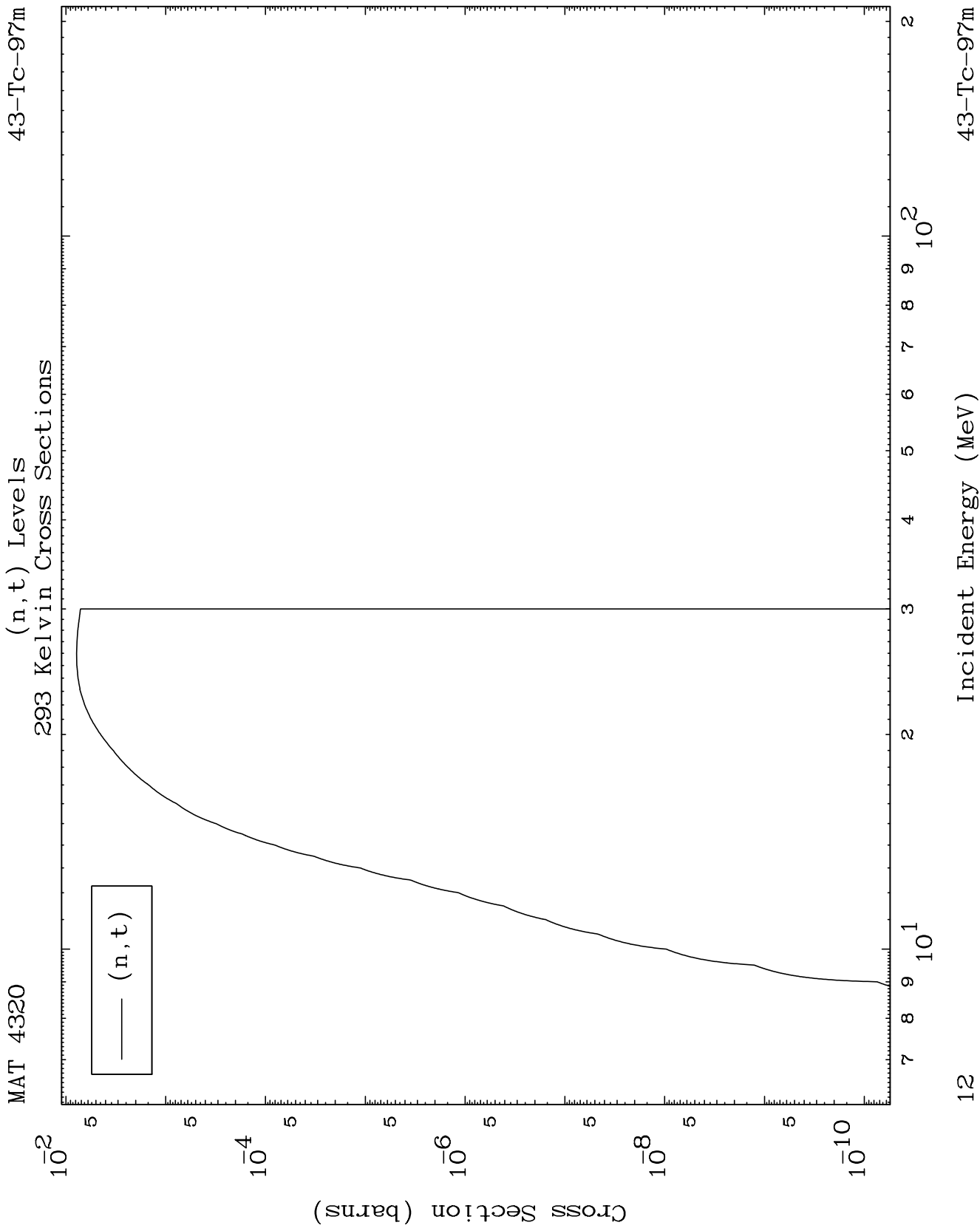
43-Tc-97m

MAT 4320

(n,d) Levels
293 Kelvin Cross Sections

43-Tc-97m

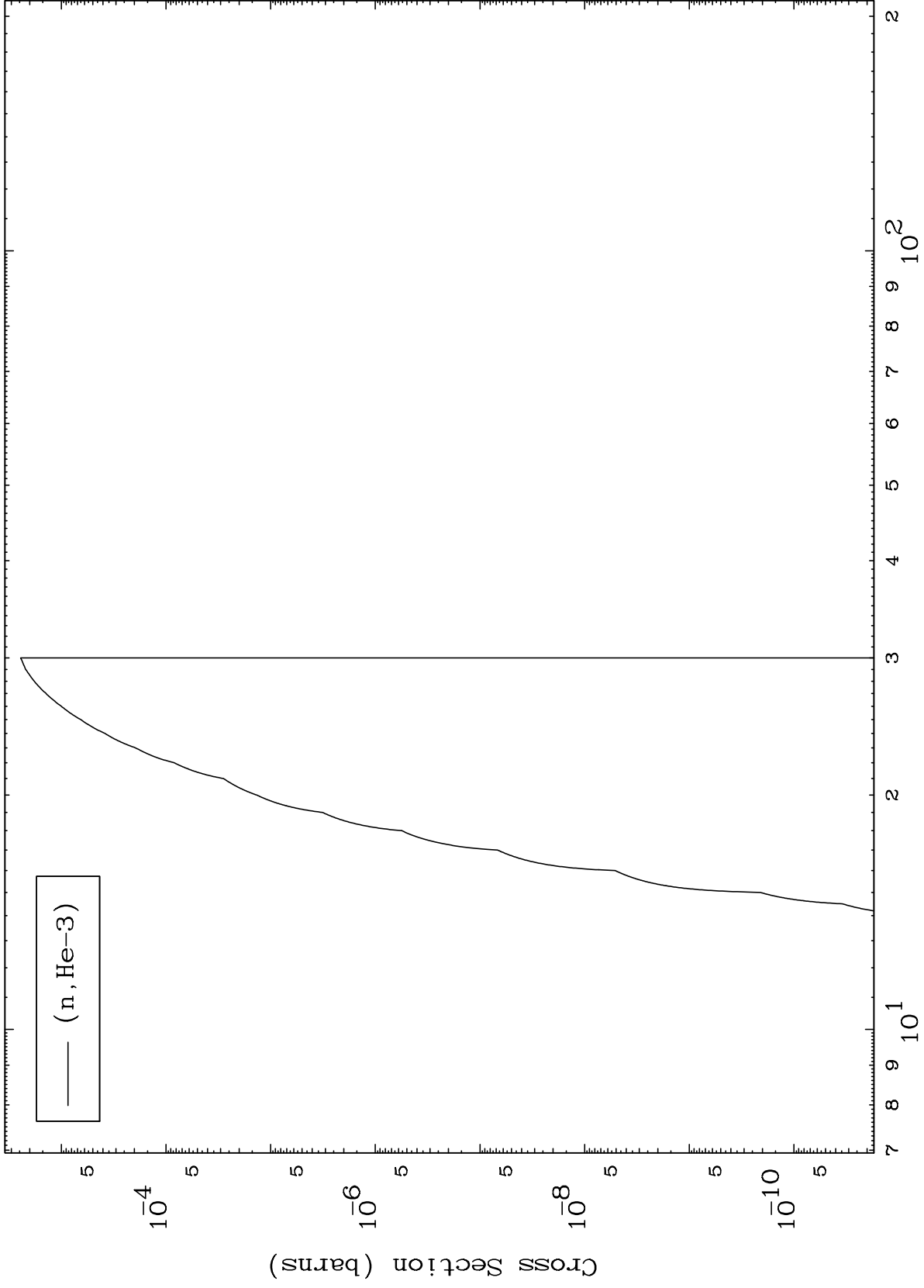




MAT 4320

(n,He3) Levels
293 Kelvin Cross Sections

43-Tc-97m



13

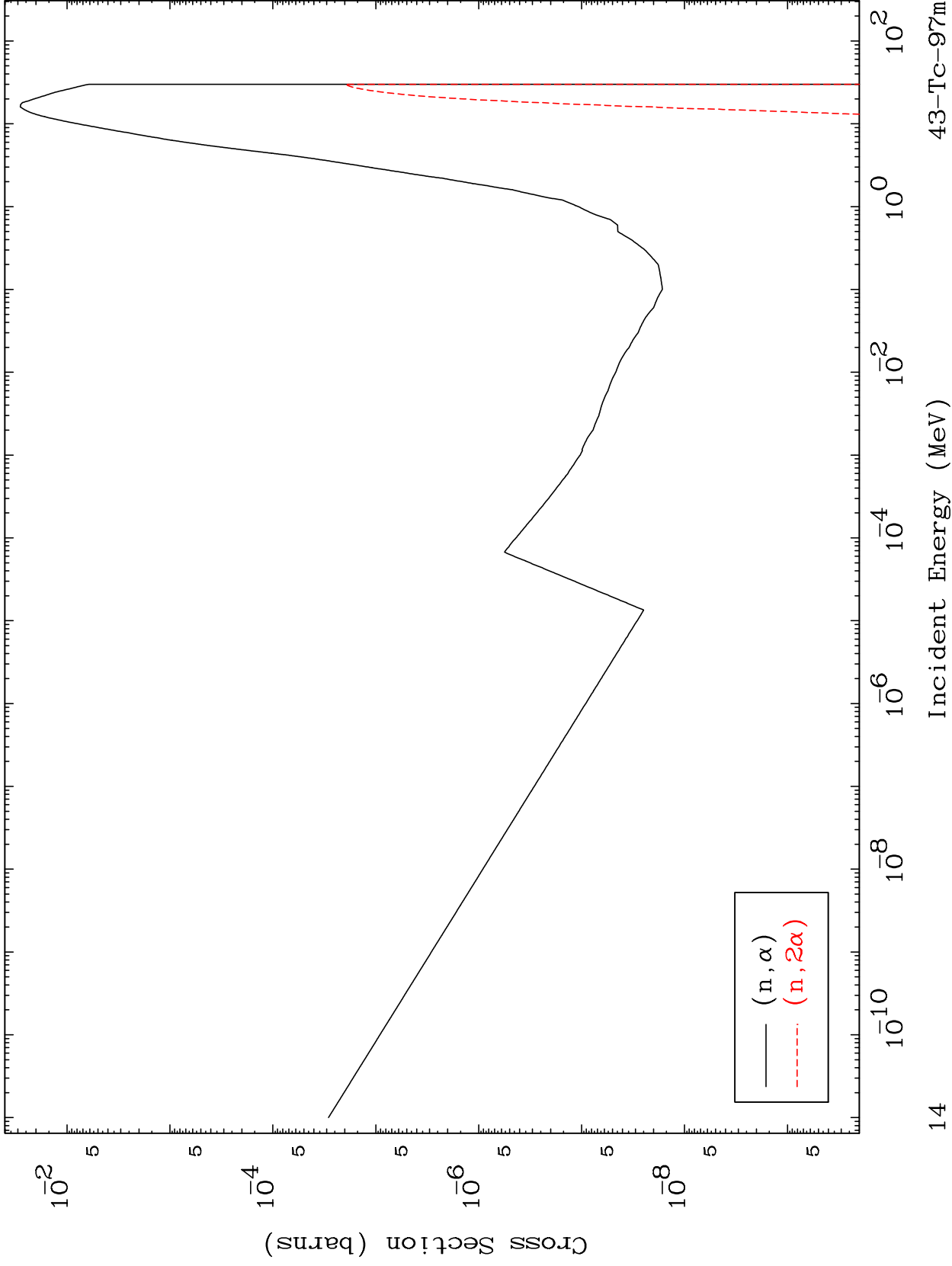
Incident Energy (MeV)

43-Tc-97m

MAT 4320

(n, α) Levels
293 Kelvin Cross Sections

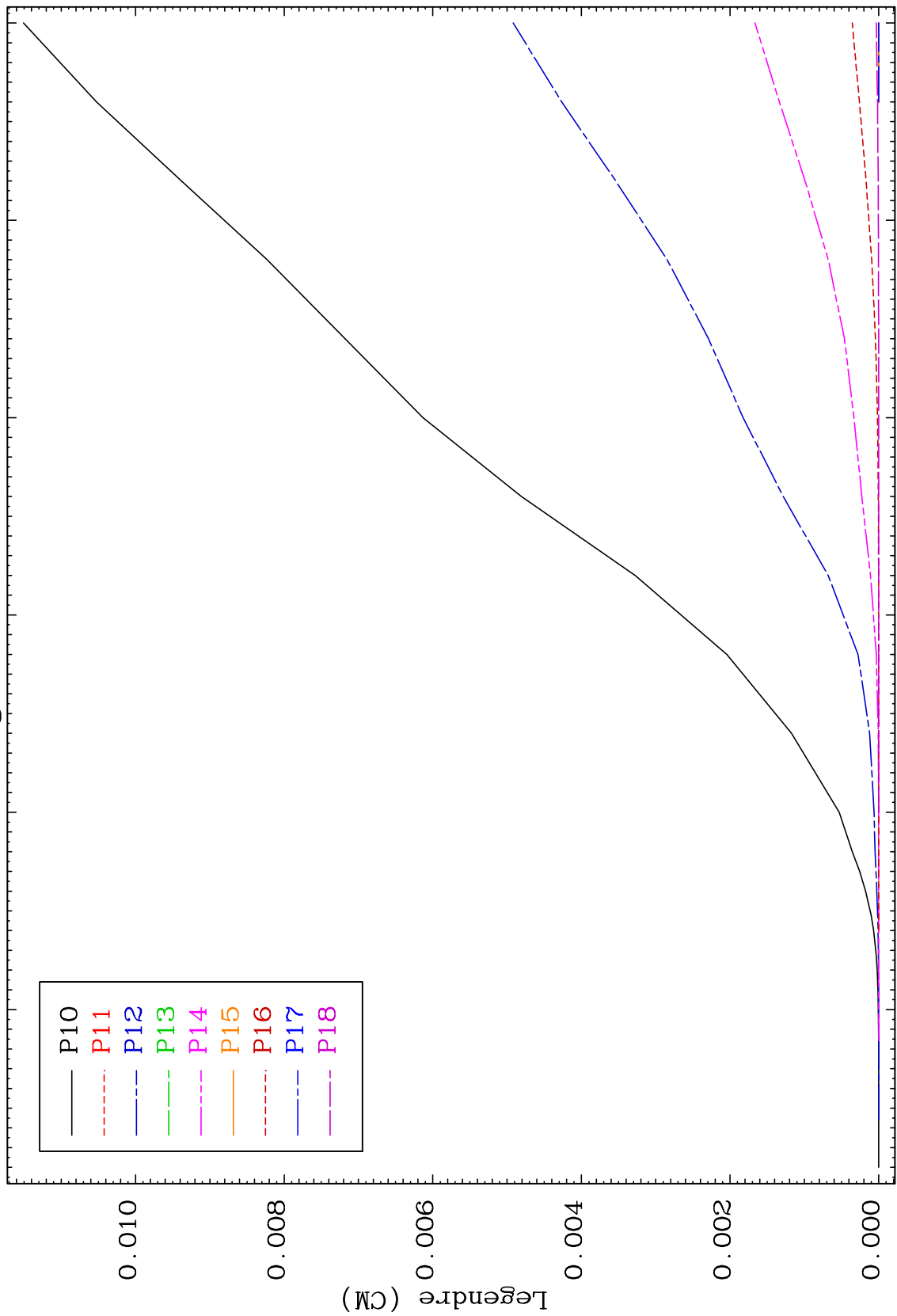
43-Tc-97m



MAT 4320

Elastic Legendre Coefficients

43-Tc-97m



16

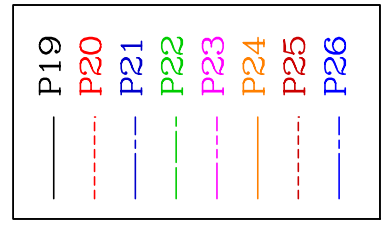
43-Tc-97m

Incident Energy (MeV)

MAT 4320

Elastic
Legendre Coefficients

43-Tc-97m



$\times 10^{-6}$

Legendre (CM)

1.5

1.0

0.5

0.0

15

20

25

30

17

Incident Energy (MeV)

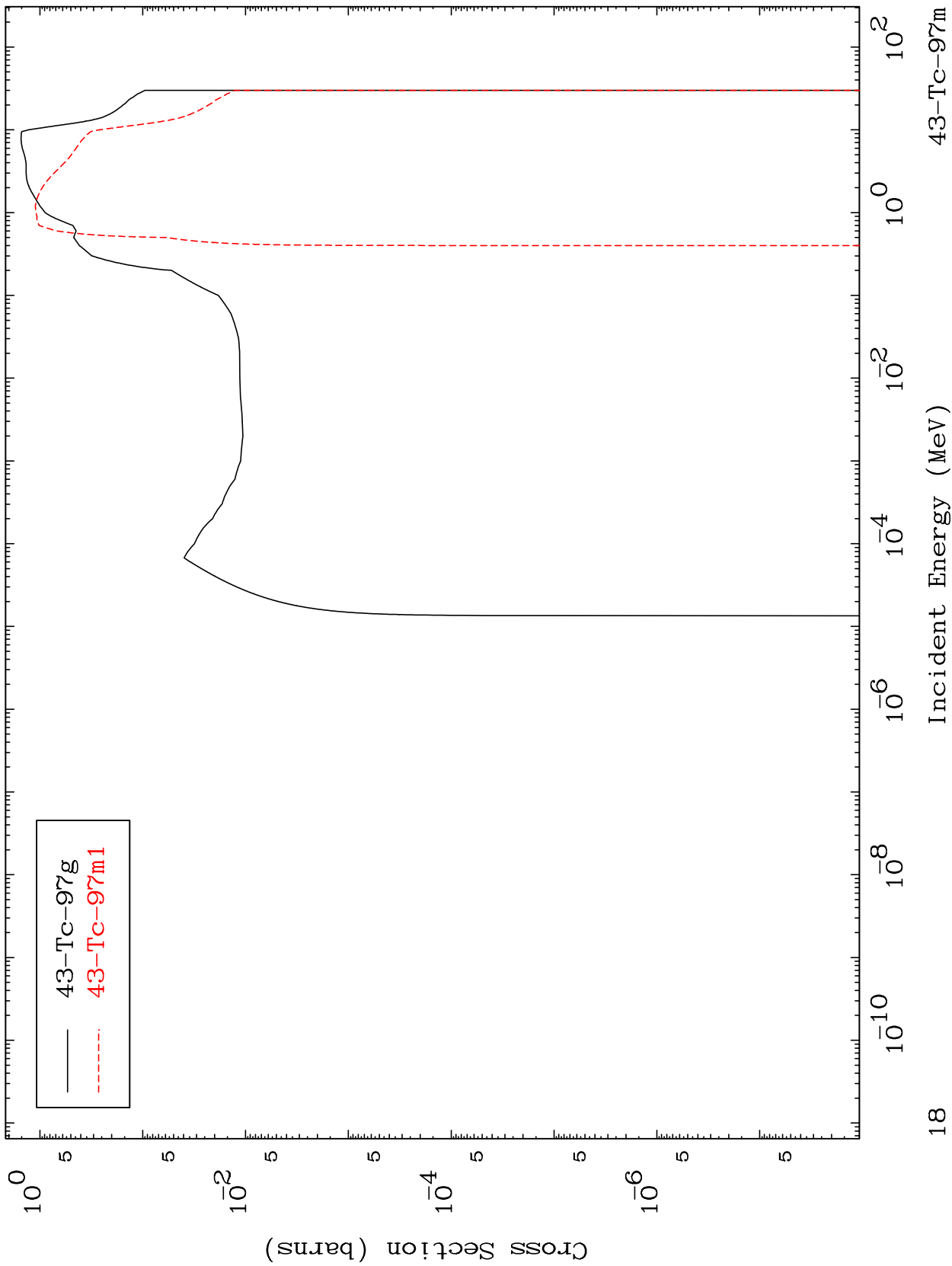
43-Tc-97m

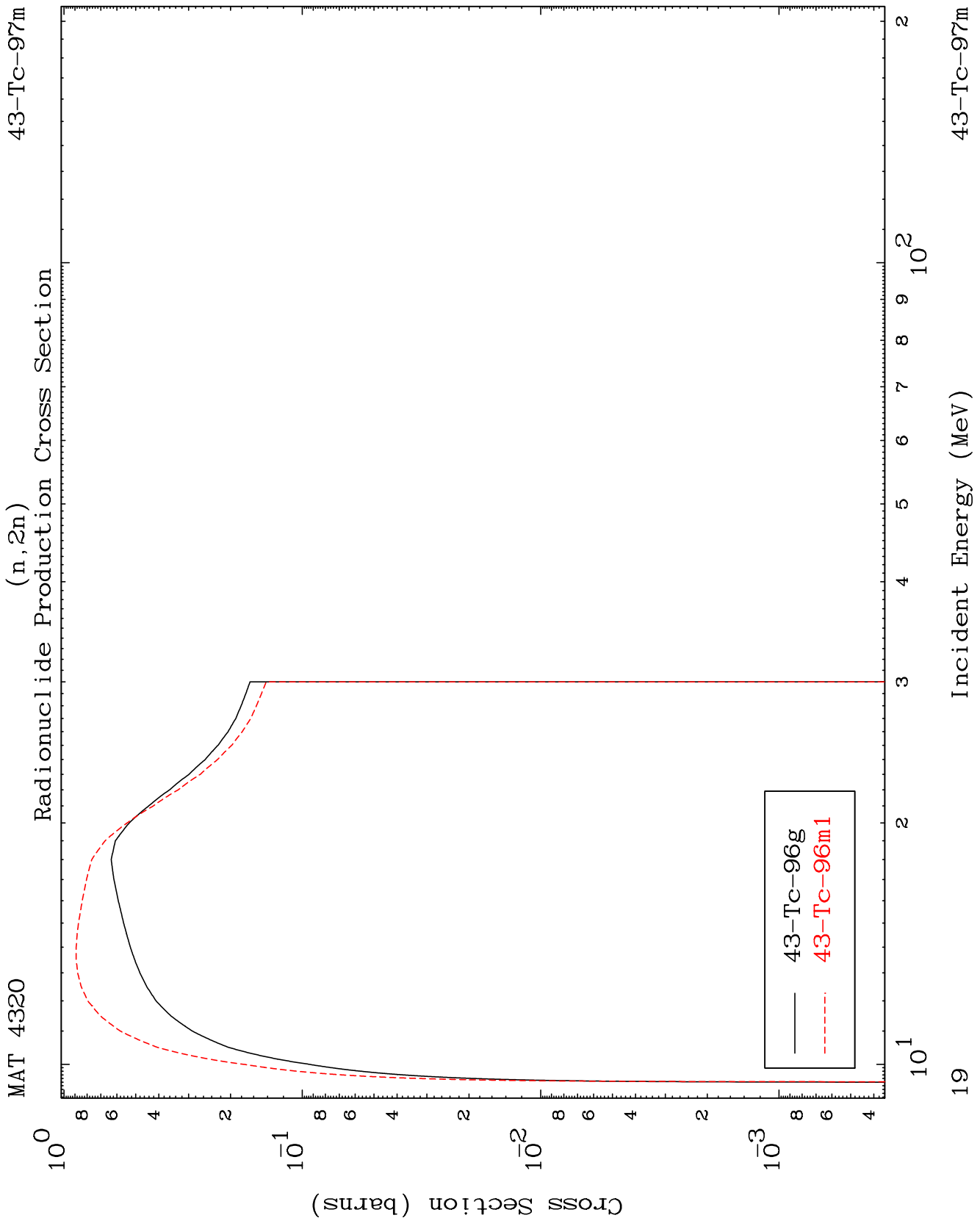


MAT 4320

43-Tc-97m

Inelastic
Radionuclide Production Cross Section



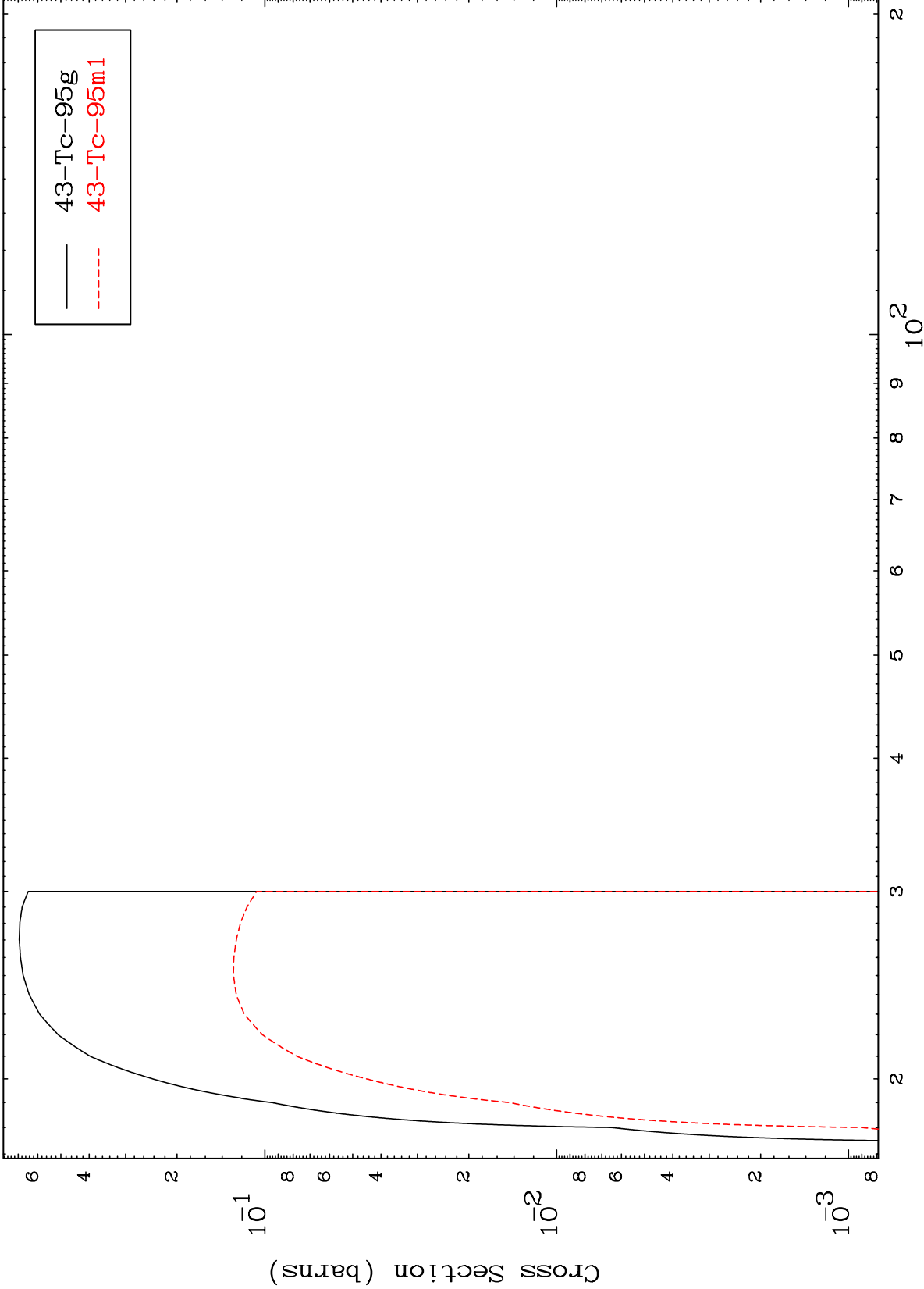


MAT 4320

(n,3n)

43-Tc-97m

Radionuclide Production Cross Section



43-Tc-95g
43-Tc-95m1

20

Incident Energy (MeV)

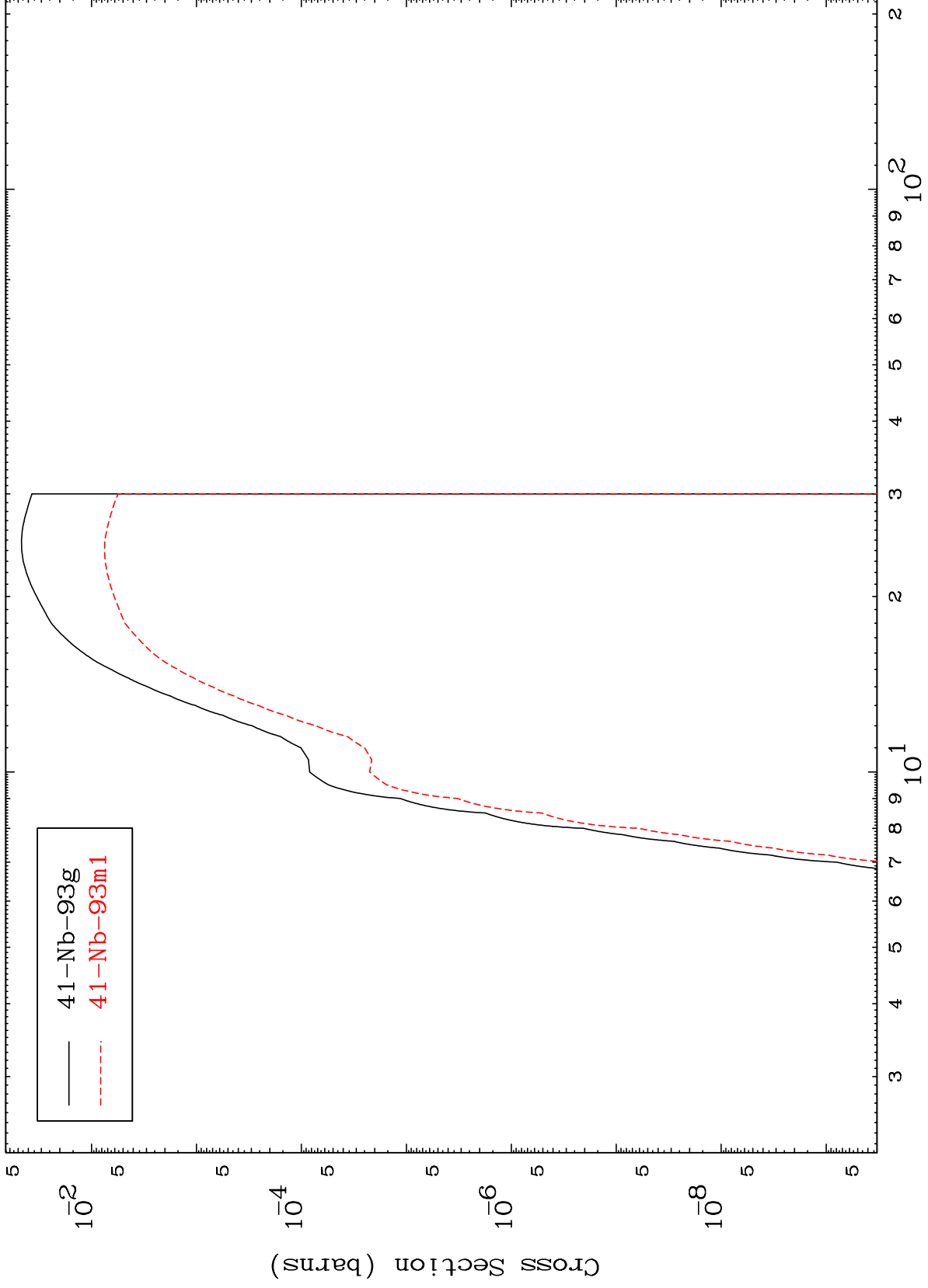
43-Tc-97m

MAT 4320

(n,n') α

43-Tc-97m

Radionuclide Production Cross Section

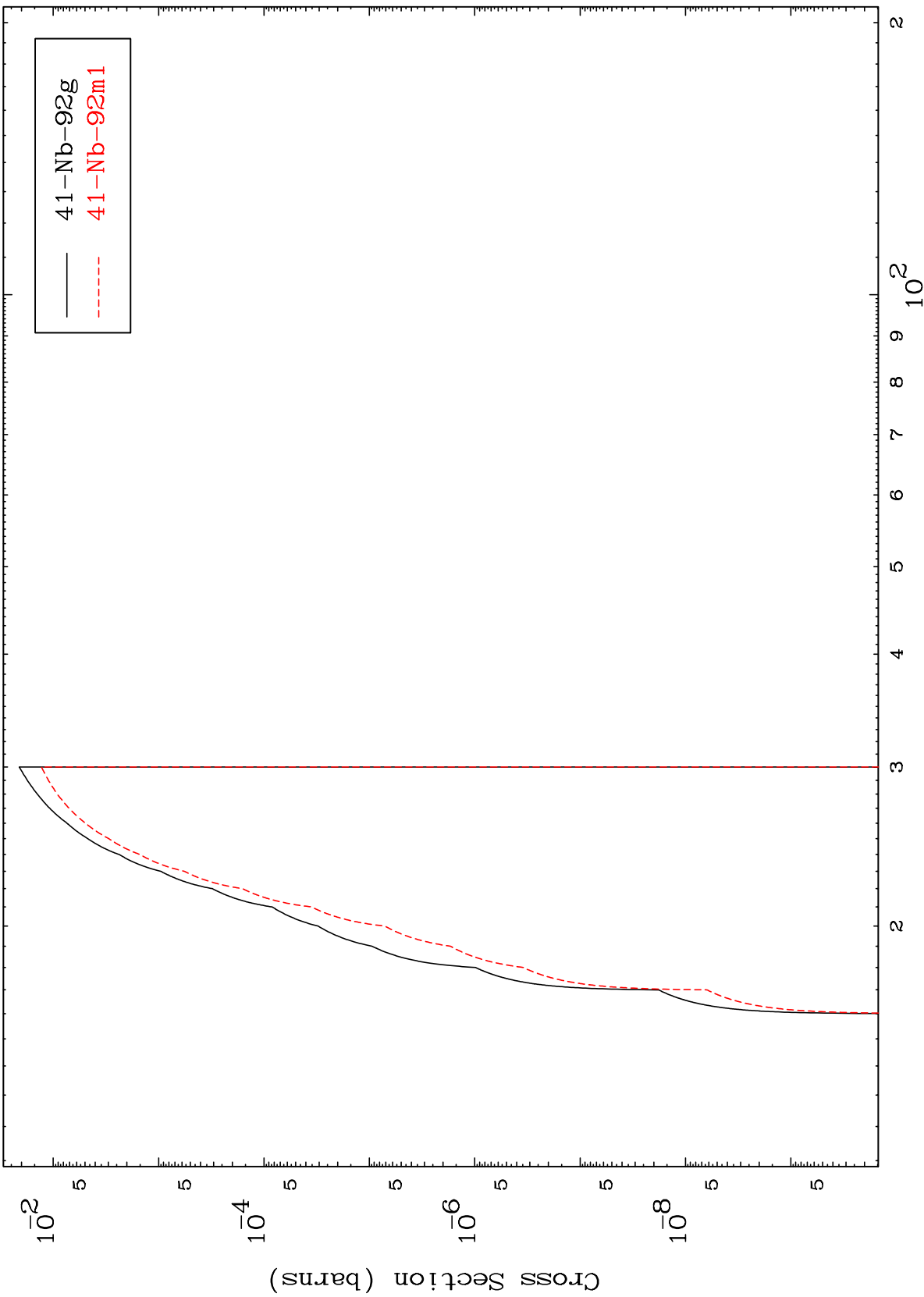


MAT 4320

(n,2n) α

43-Tc-97m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

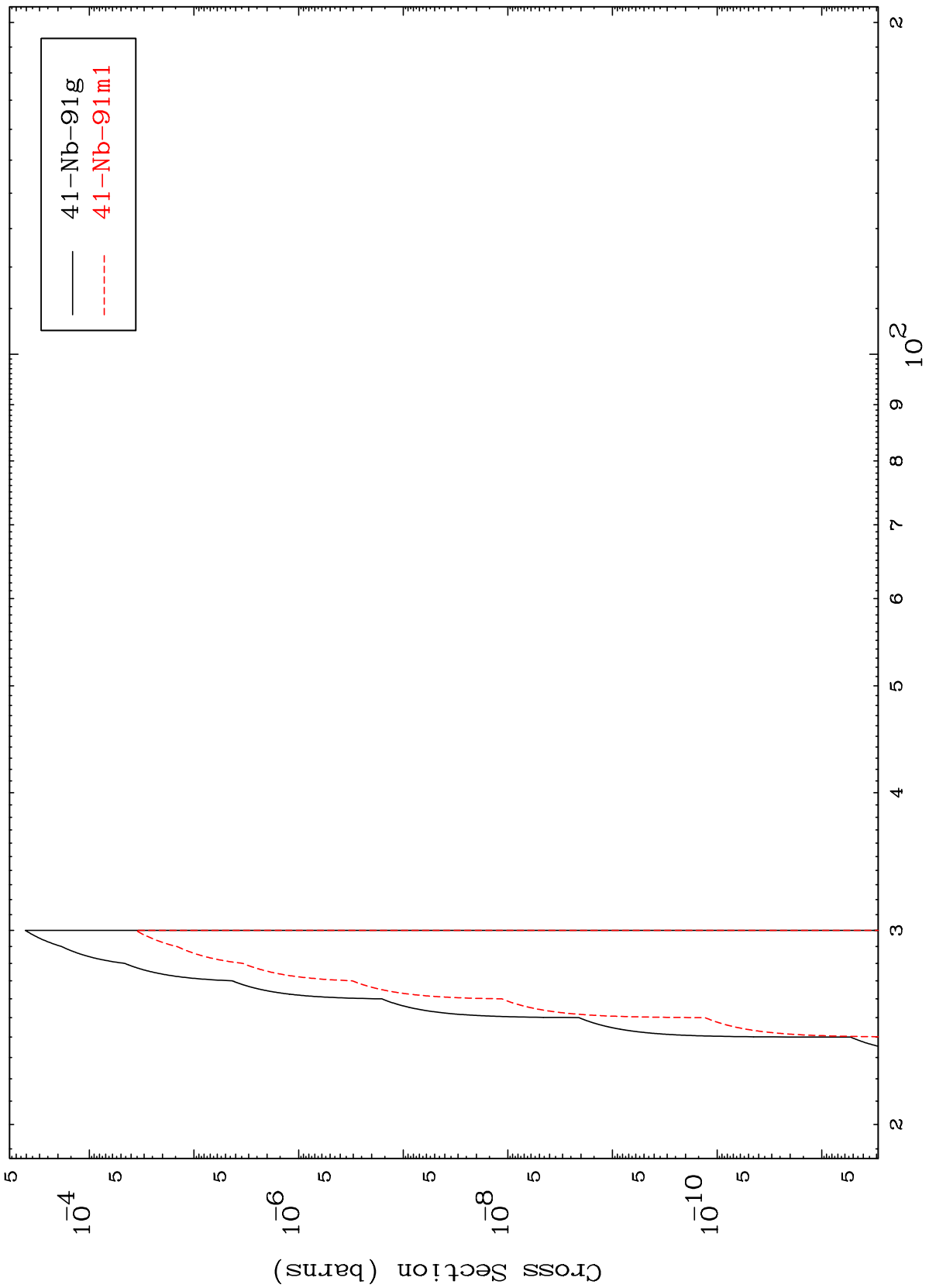
43-Tc-97m

MAT 4320

(n,3n) α

43-Tc-97m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

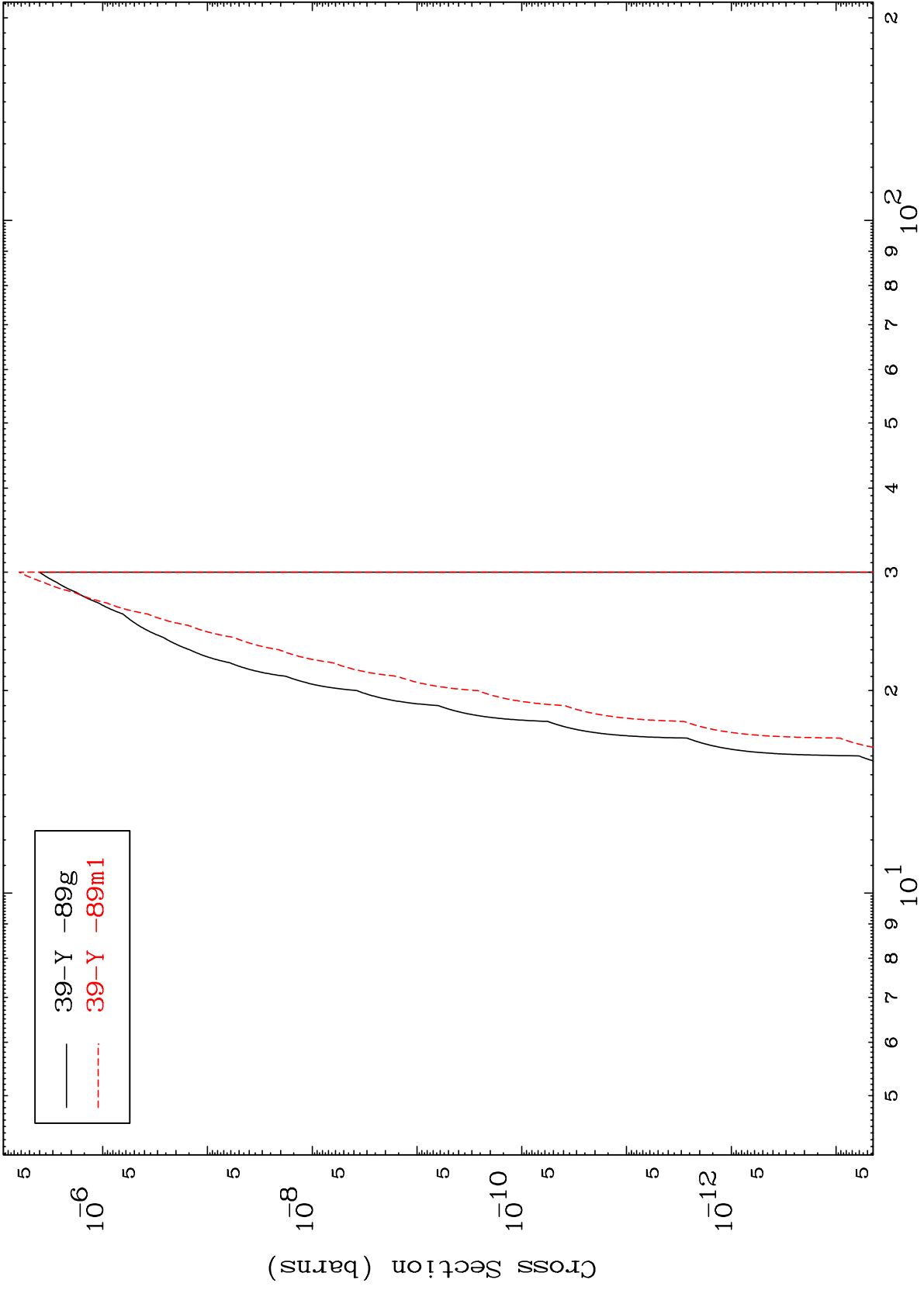
43-Tc-97m

MAT 4320

(n,n') 2 α

43-Tc-97m

Radionuclide Production Cross Section

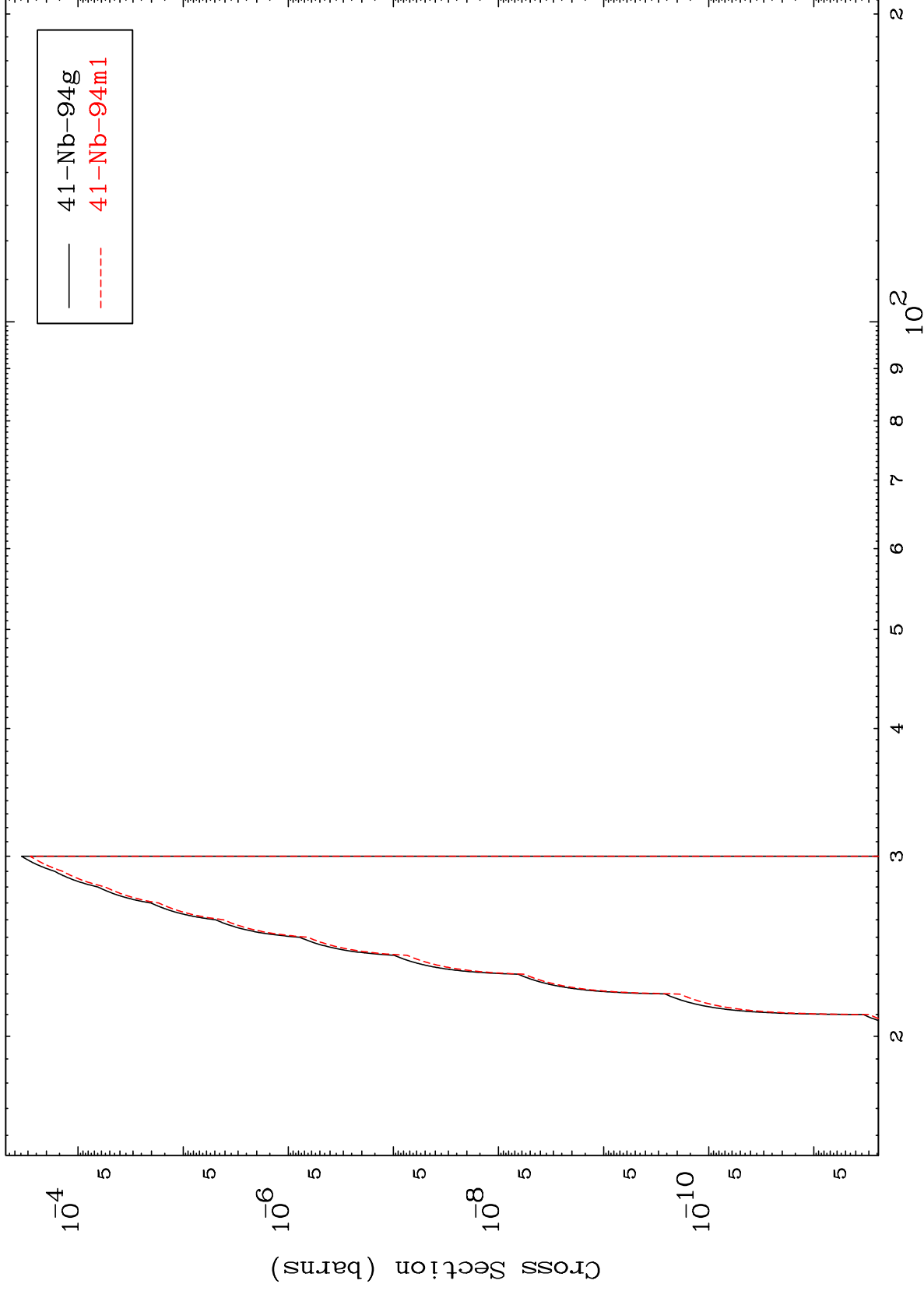


24

Incident Energy (MeV)

43-Tc-97m

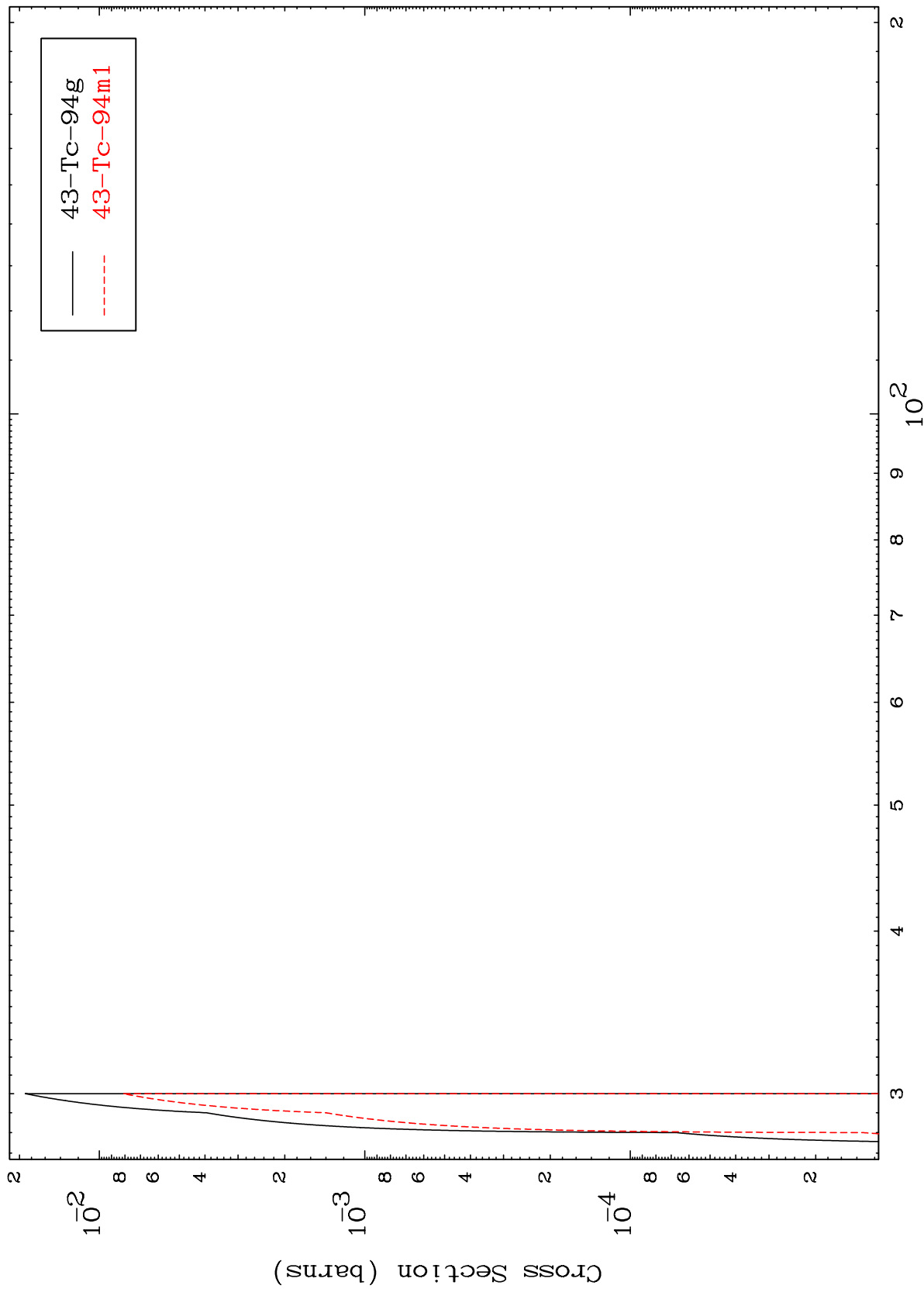
Radionuclide Production Cross Section



MAT 4320

43-Tc-97m

(n,4n)
Radionuclide Production Cross Section

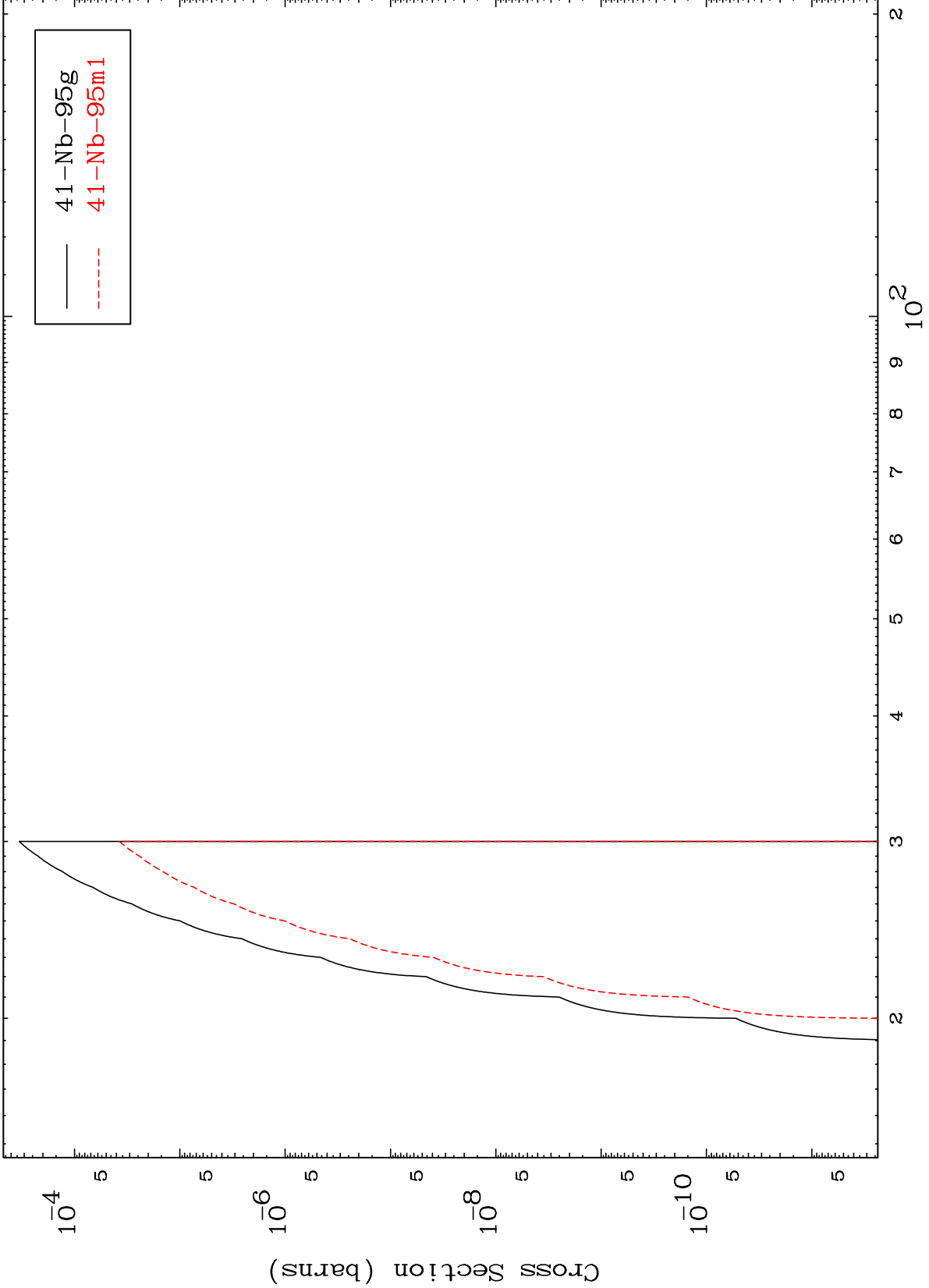


26

43-Tc-97m

Incident Energy (MeV)

Radionuclide Production Cross Section

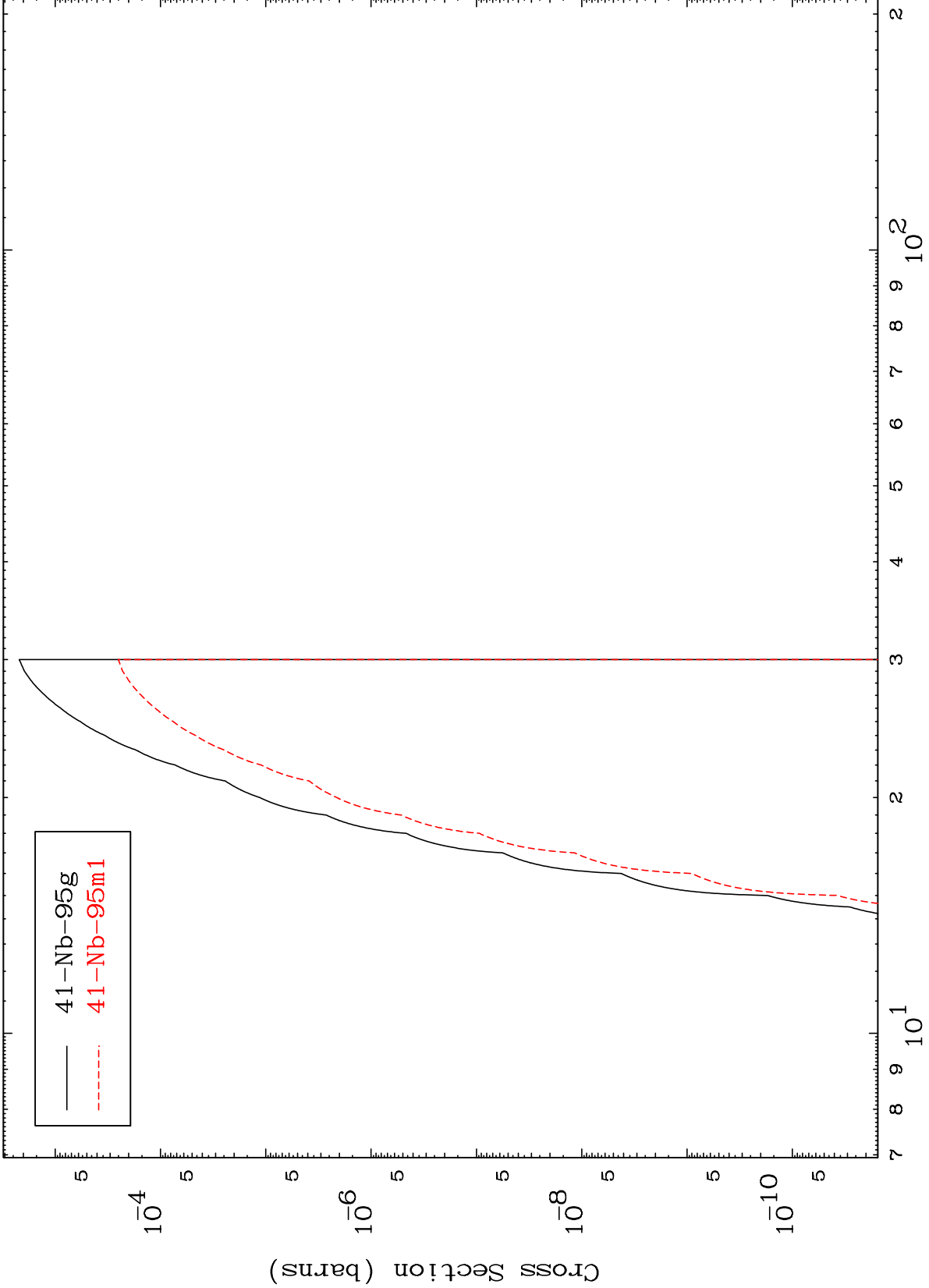


MAT 4320

(n,He-3)

43-Tc-97m

Radionuclide Production Cross Section



28

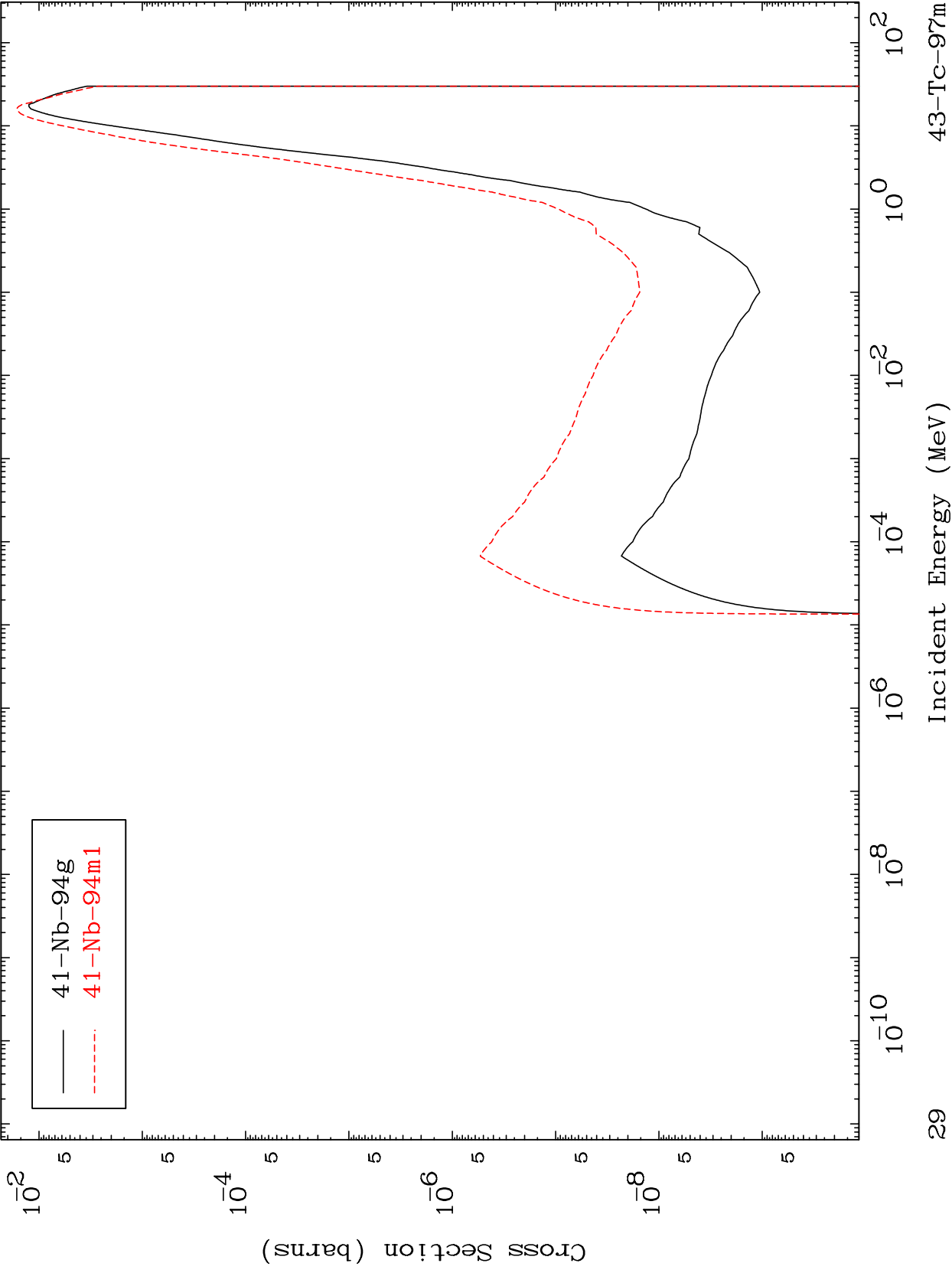
Incident Energy (MeV)

43-Tc-97m

MAT 4320

Radionuclide Production Cross Section
(n, α)

⁴³Tc-97m

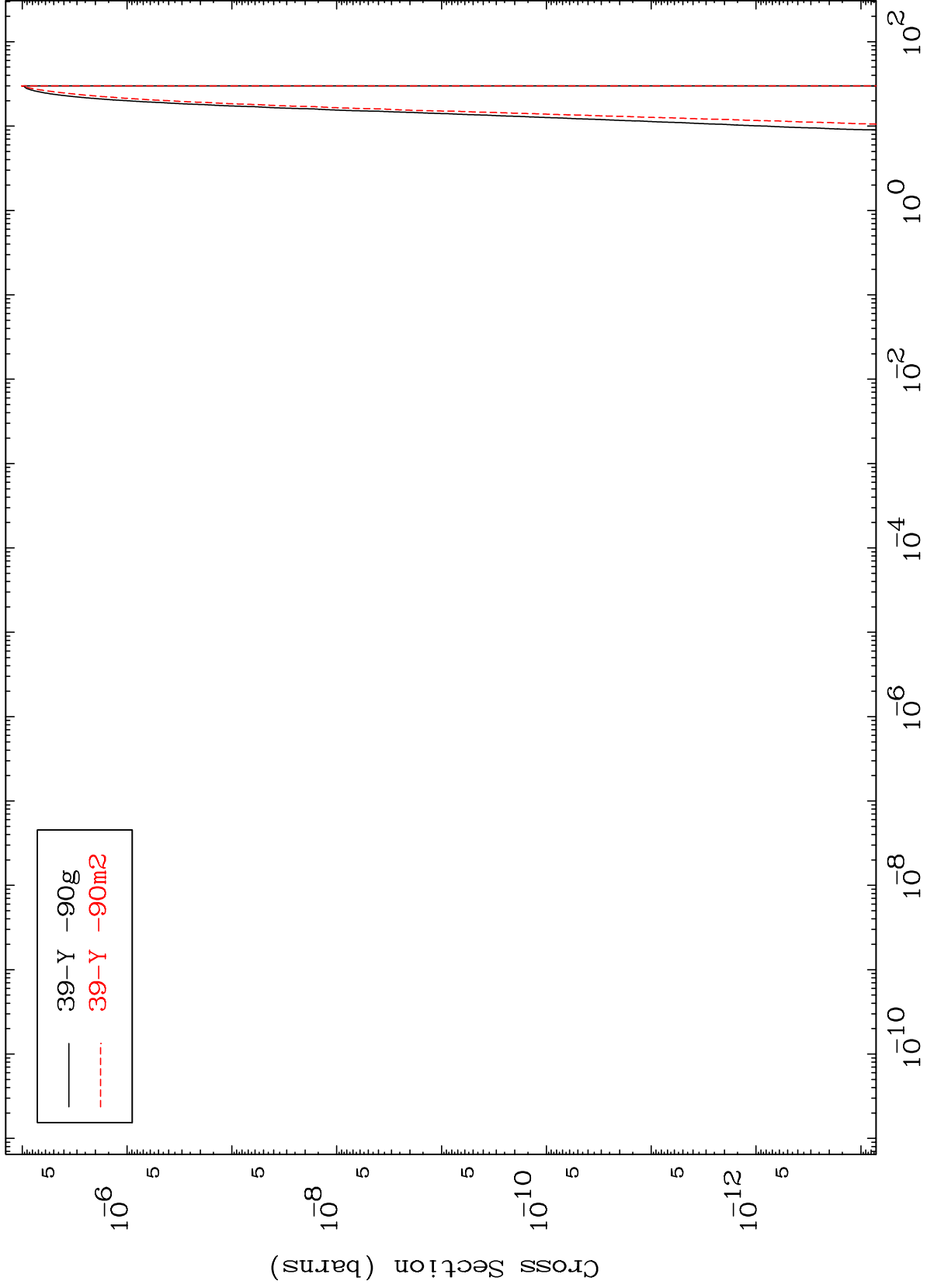


MAT 4320

(n,2α)

43-Tc-97m

Radionuclide Production Cross Section



30

Incident Energy (MeV)

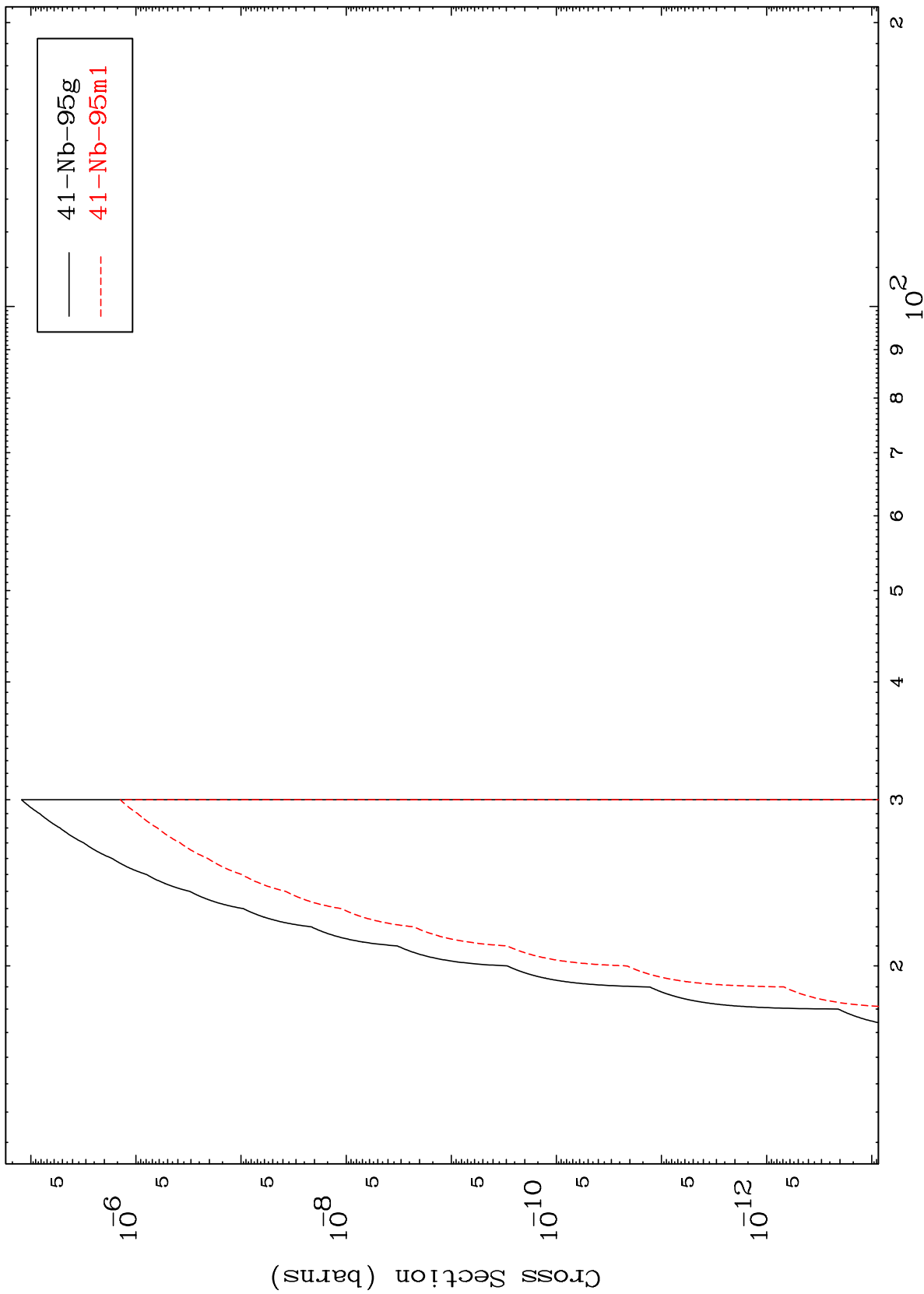
43-Tc-97m

MAT 4320

(n,p) d

43-Tc-97m

Radionuclide Production Cross Section



31

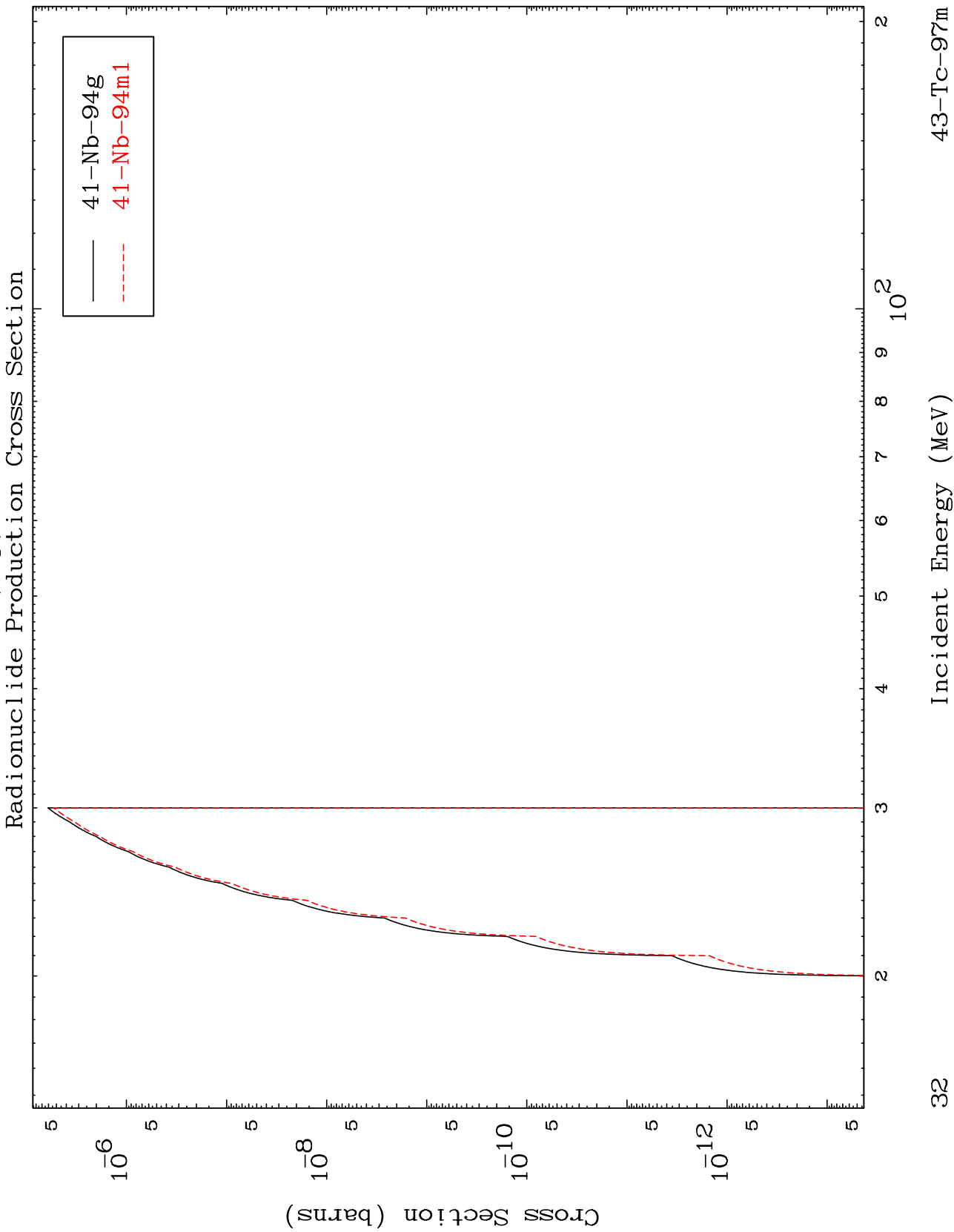
Incident Energy (MeV)

43-Tc-97m

MAT 4320

(n,p) t

43-Tc-97m



32

43-Tc-97m