

Program EVALPLOT
(Version 2015-2)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

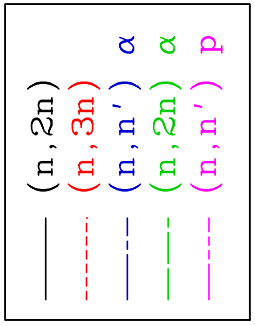
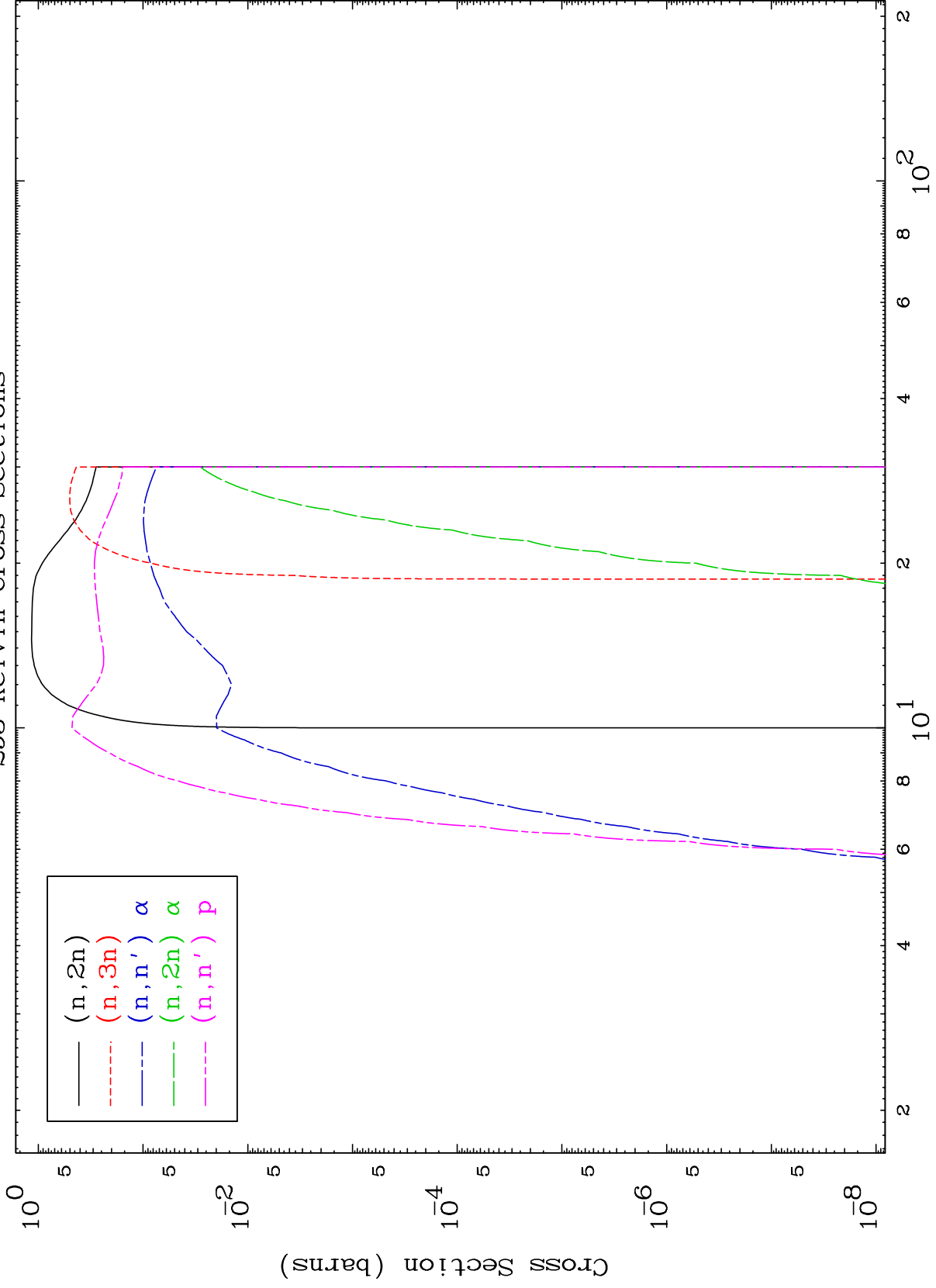
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 4314

Neutron Production
293 Kelvin Cross Sections

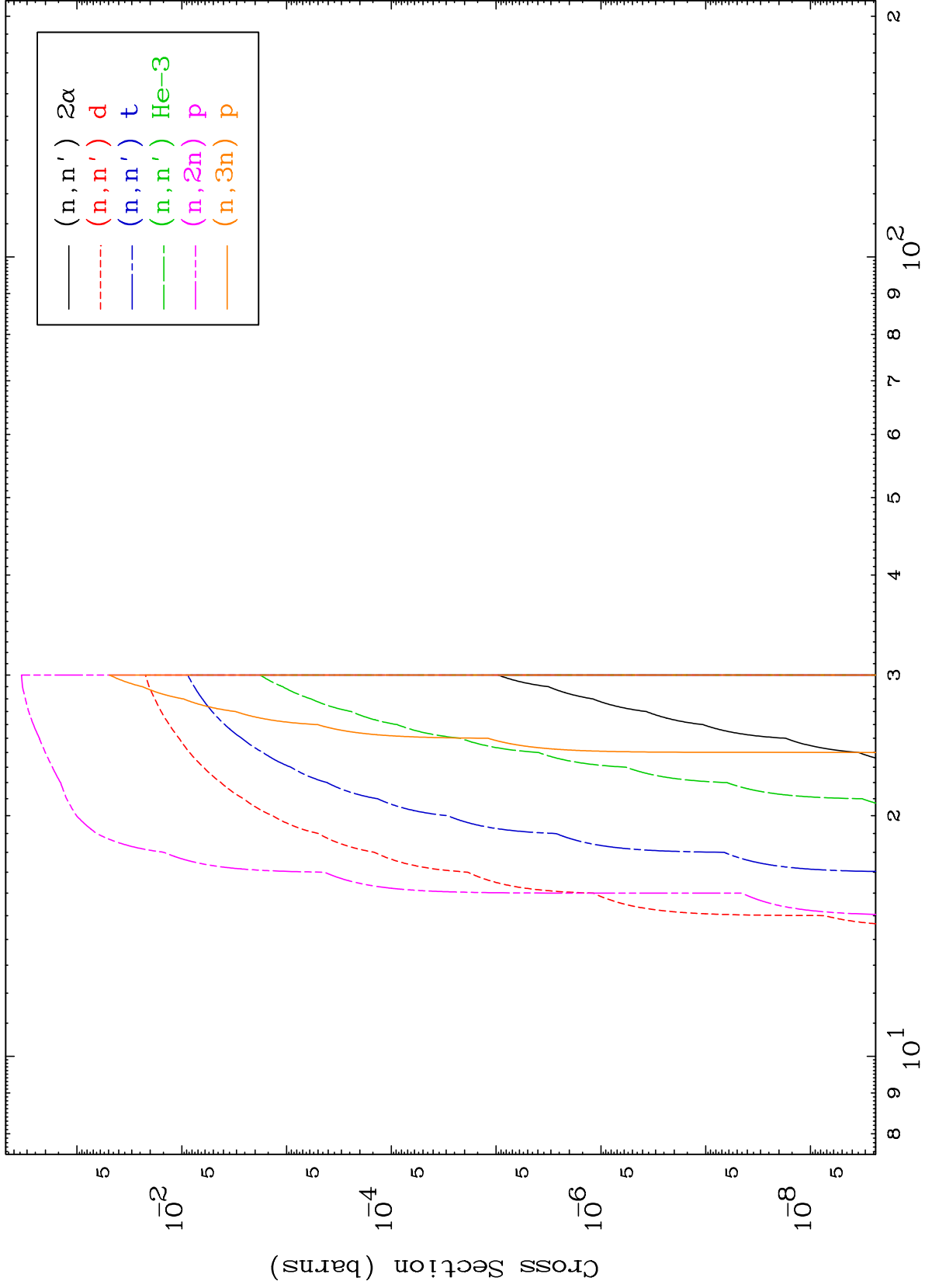
43-Tc-95



2

Incident Energy (MeV)

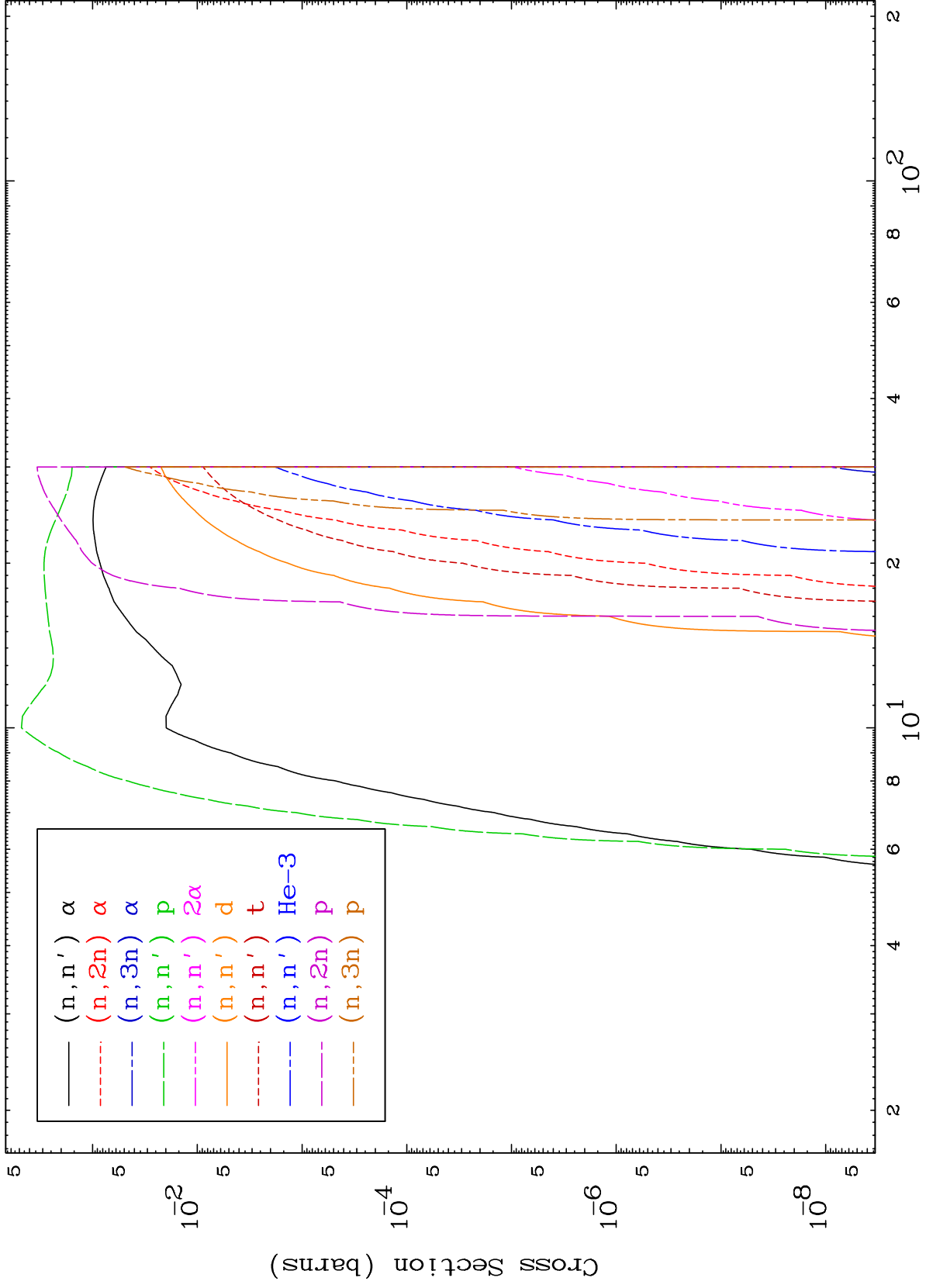
43-Tc-95



MAT 4314

Charged Particle
293 Kelvin Cross Sections

43-Tc-95



4

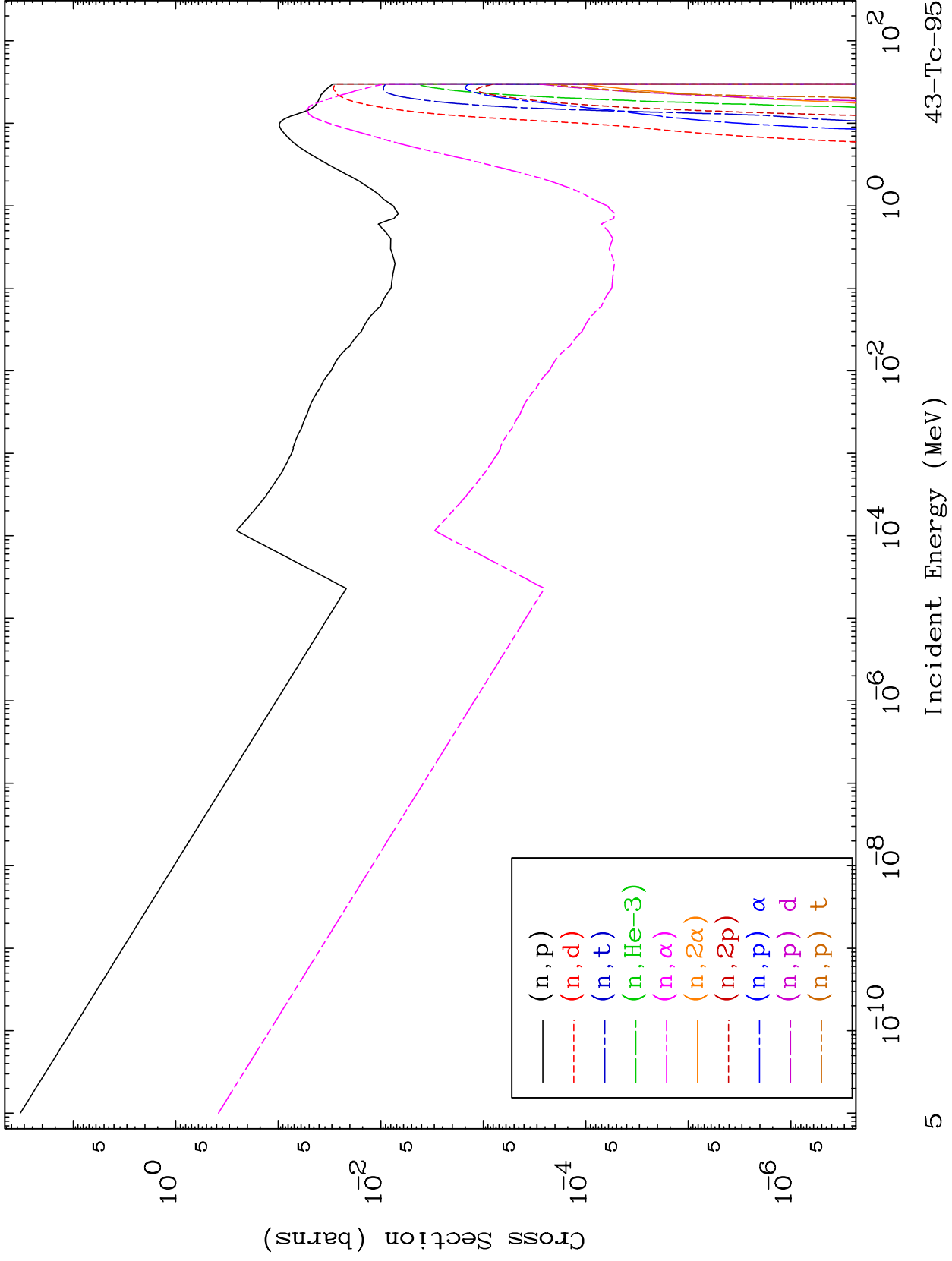
Incident Energy (MeV)

43-Tc-95

MAT 4314

Charged Particle
293 Kelvin Cross Sections

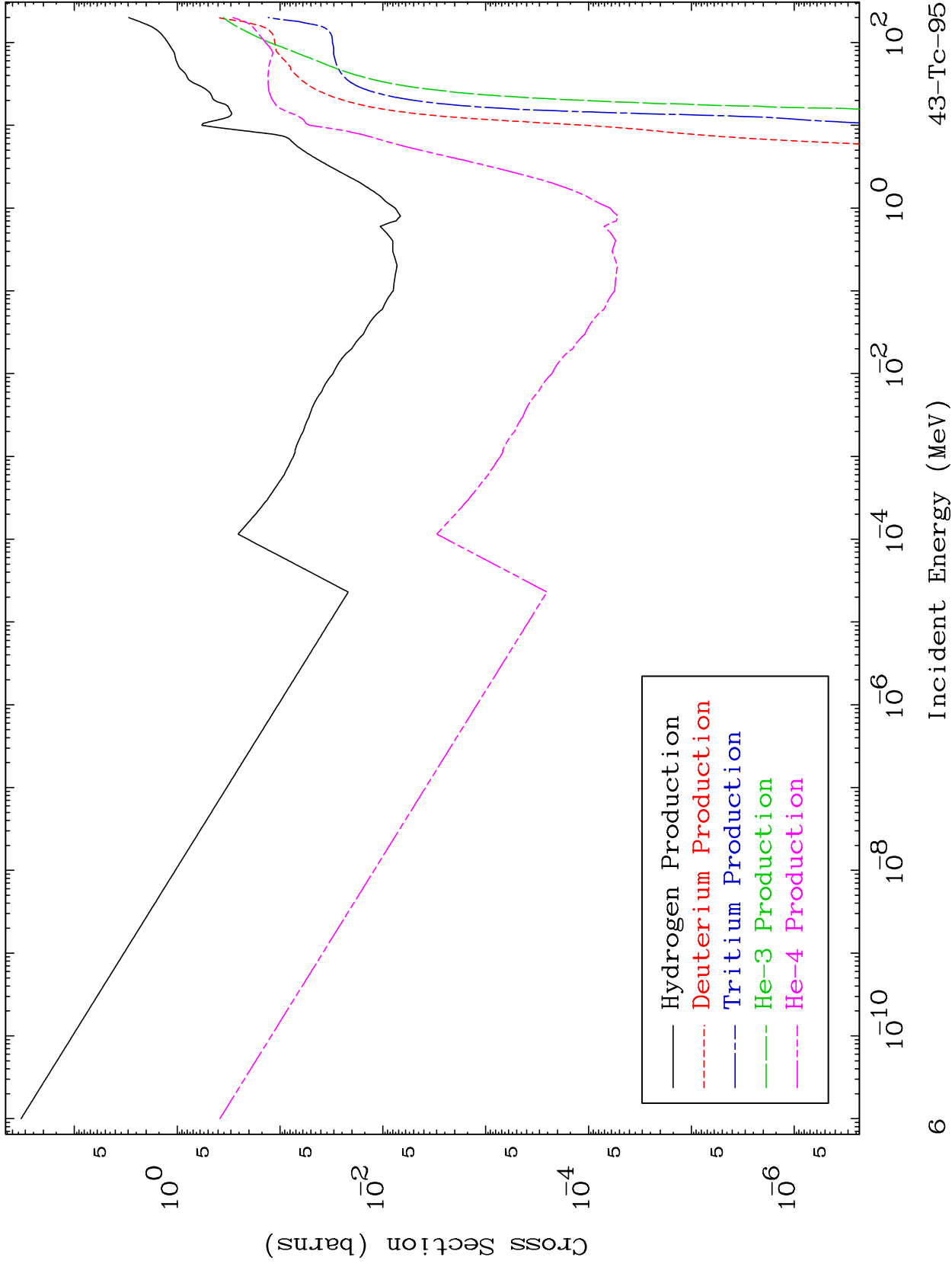
43-Tc-95



MAT 4314

Particle Production
293 Kelvin Cross Sections

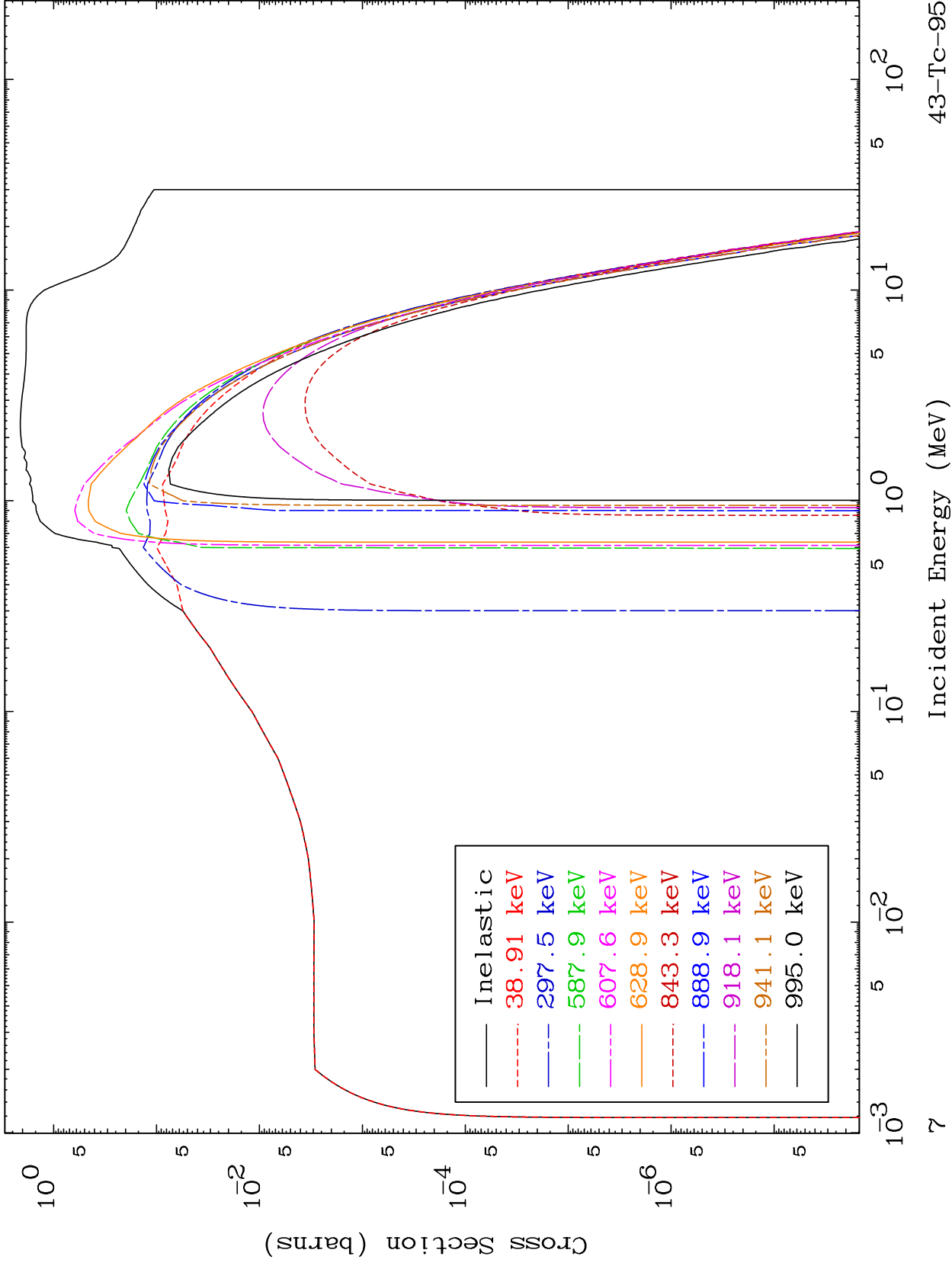
43-Tc-95



MAT 4314

(n,n') Level
293 Kelvin Cross Sections

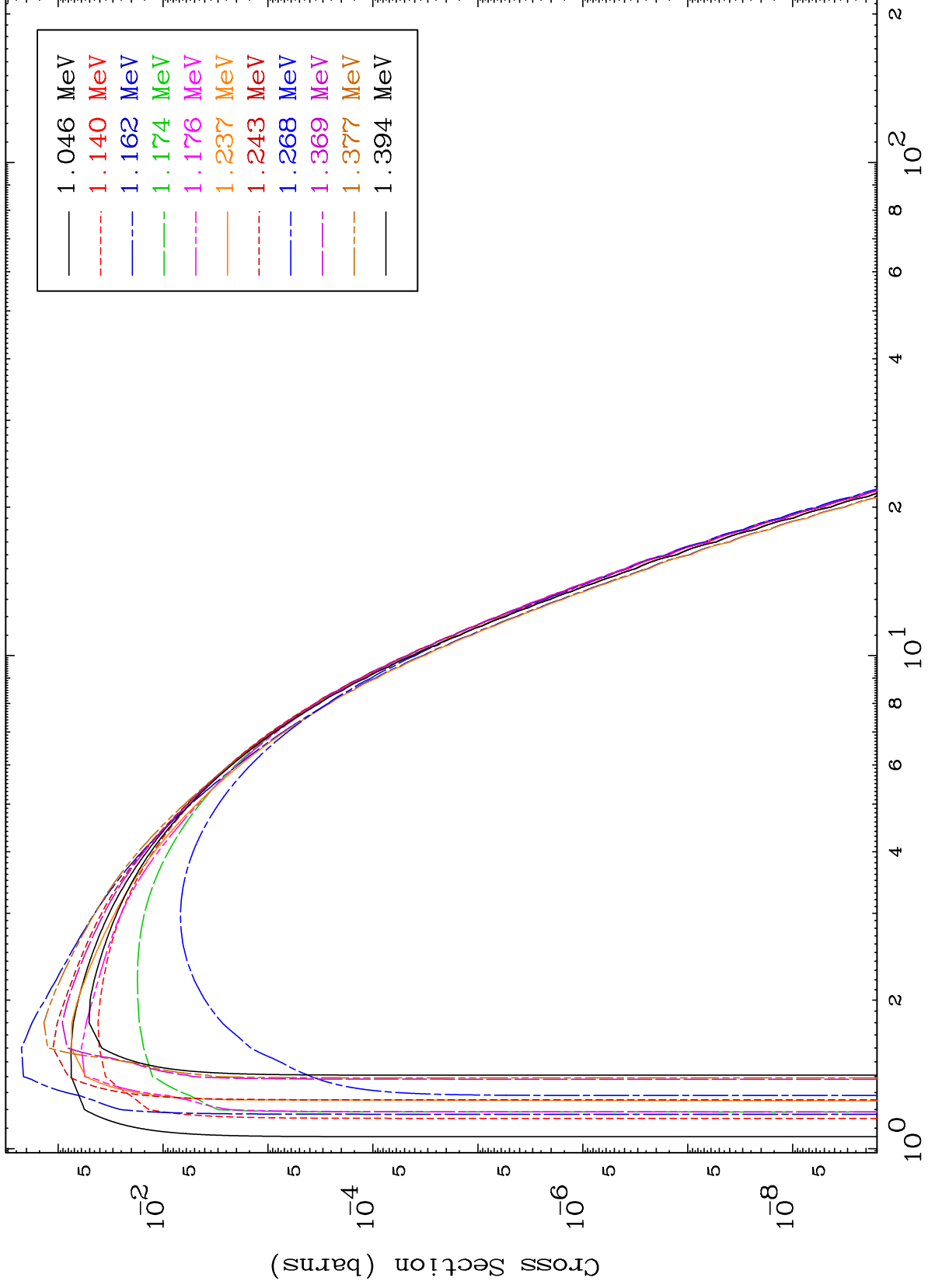
43-Tc-95



MAT 4314

(n,n') Level
293 Kelvin Cross Sections

43-Tc-95



Incident Energy (MeV)

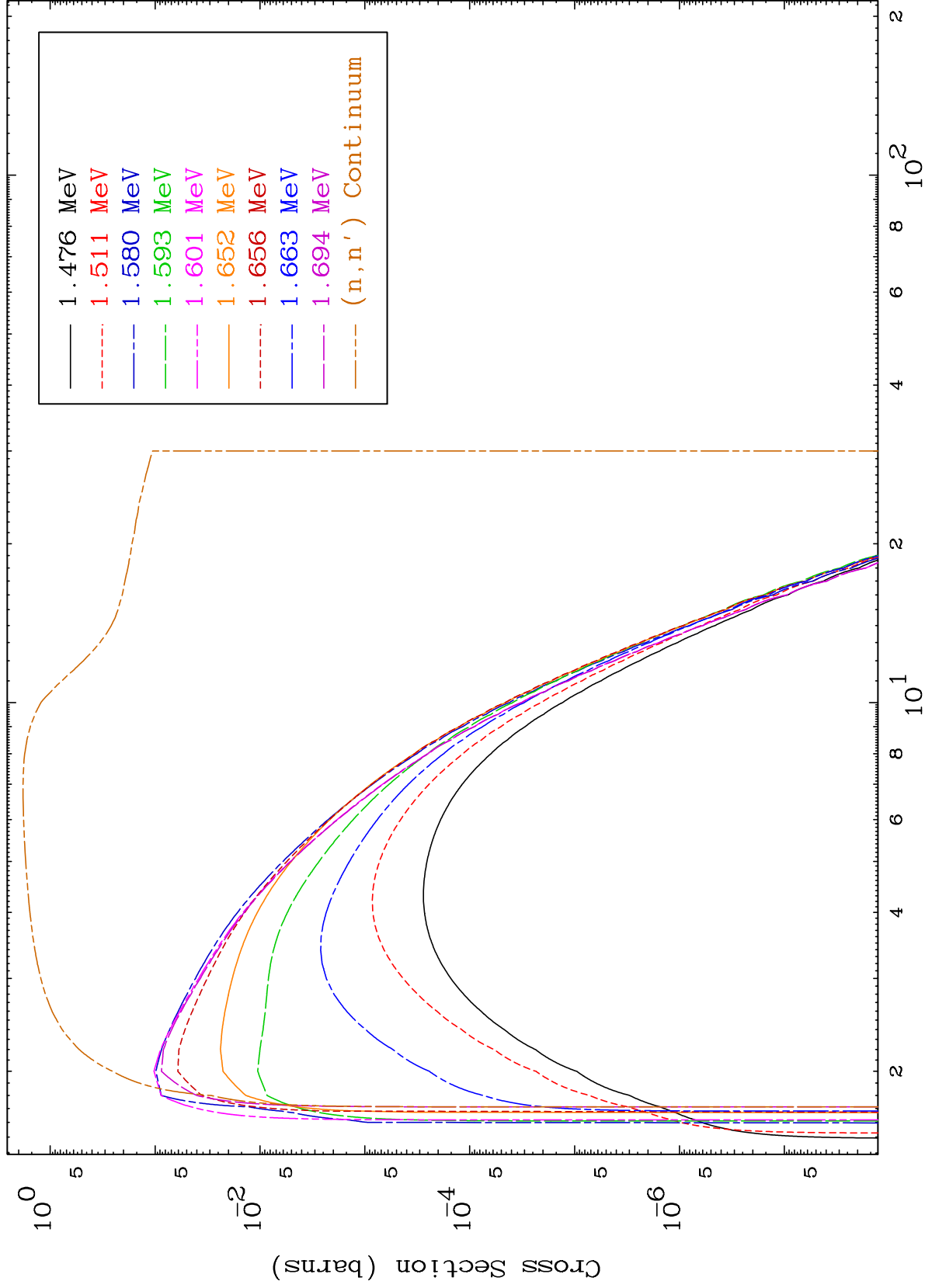
43-Tc-95

MAT 4314

(n,n') Level

43-Tc-95

293 Kelvin Cross Sections



9

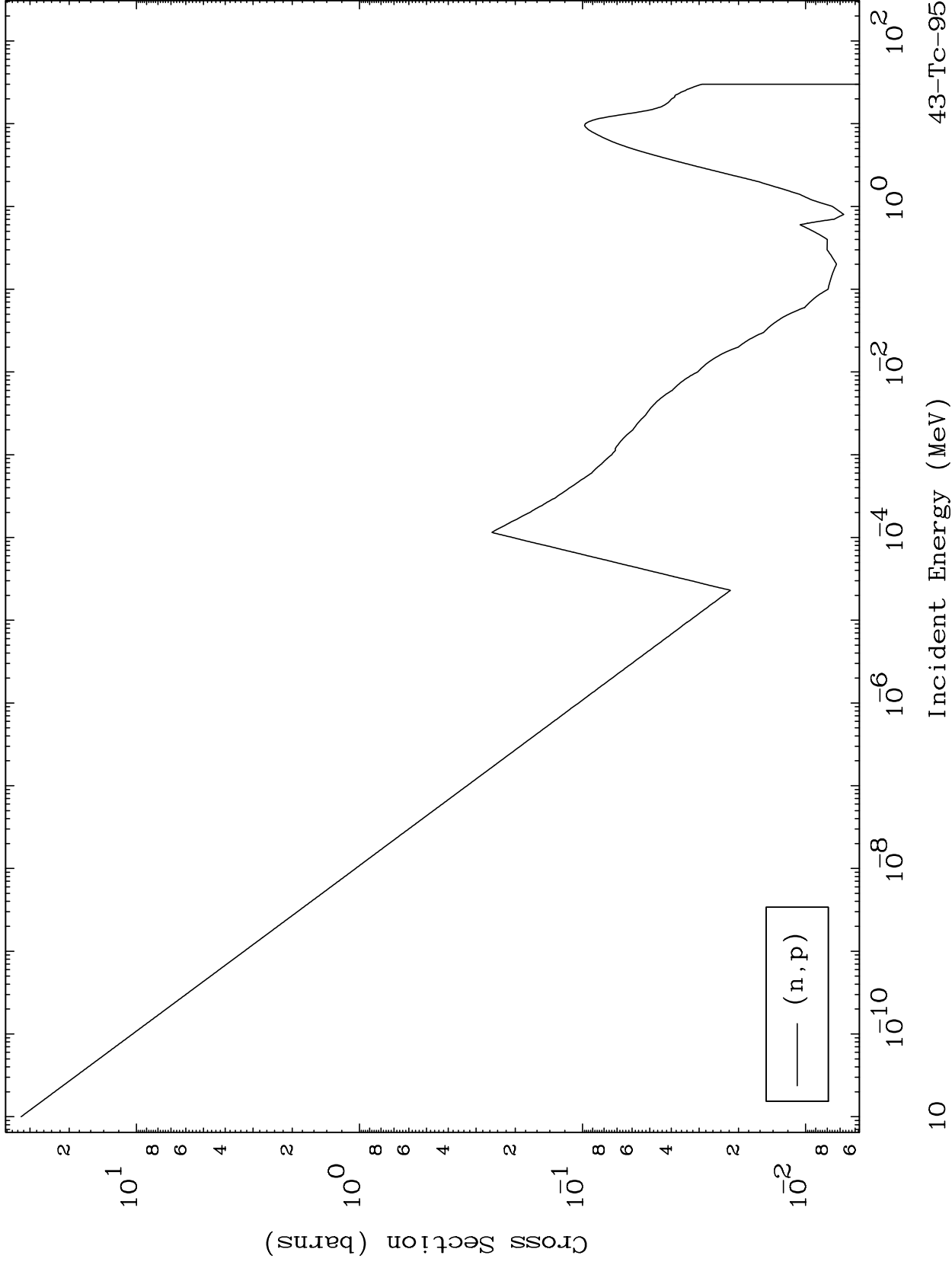
Incident Energy (MeV)

43-Tc-95

MAT 4314

(n,p) Levels
293 Kelvin Cross Sections

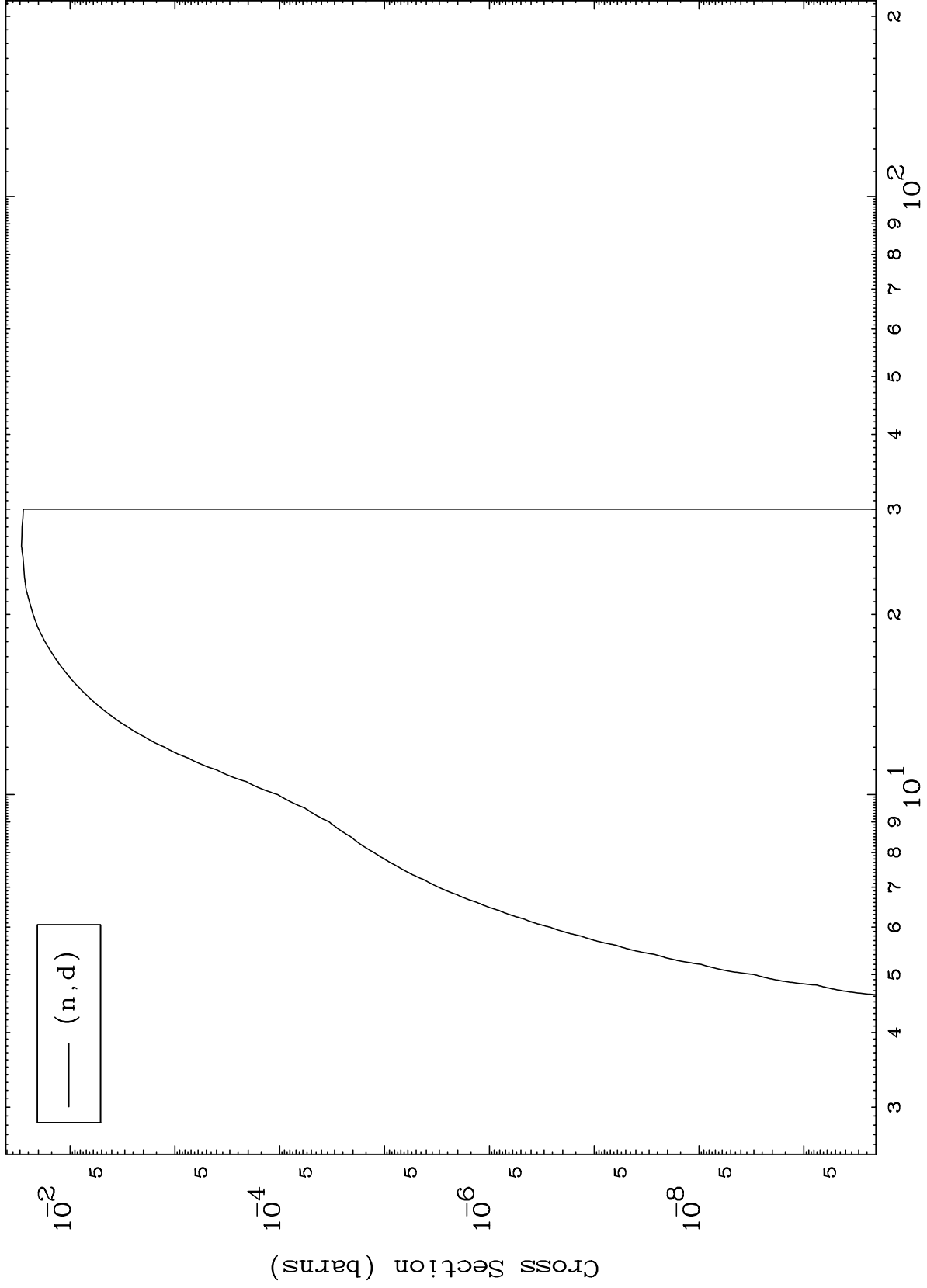
43-Tc-95



MAT 4314

(n,d) Levels
293 Kelvin Cross Sections

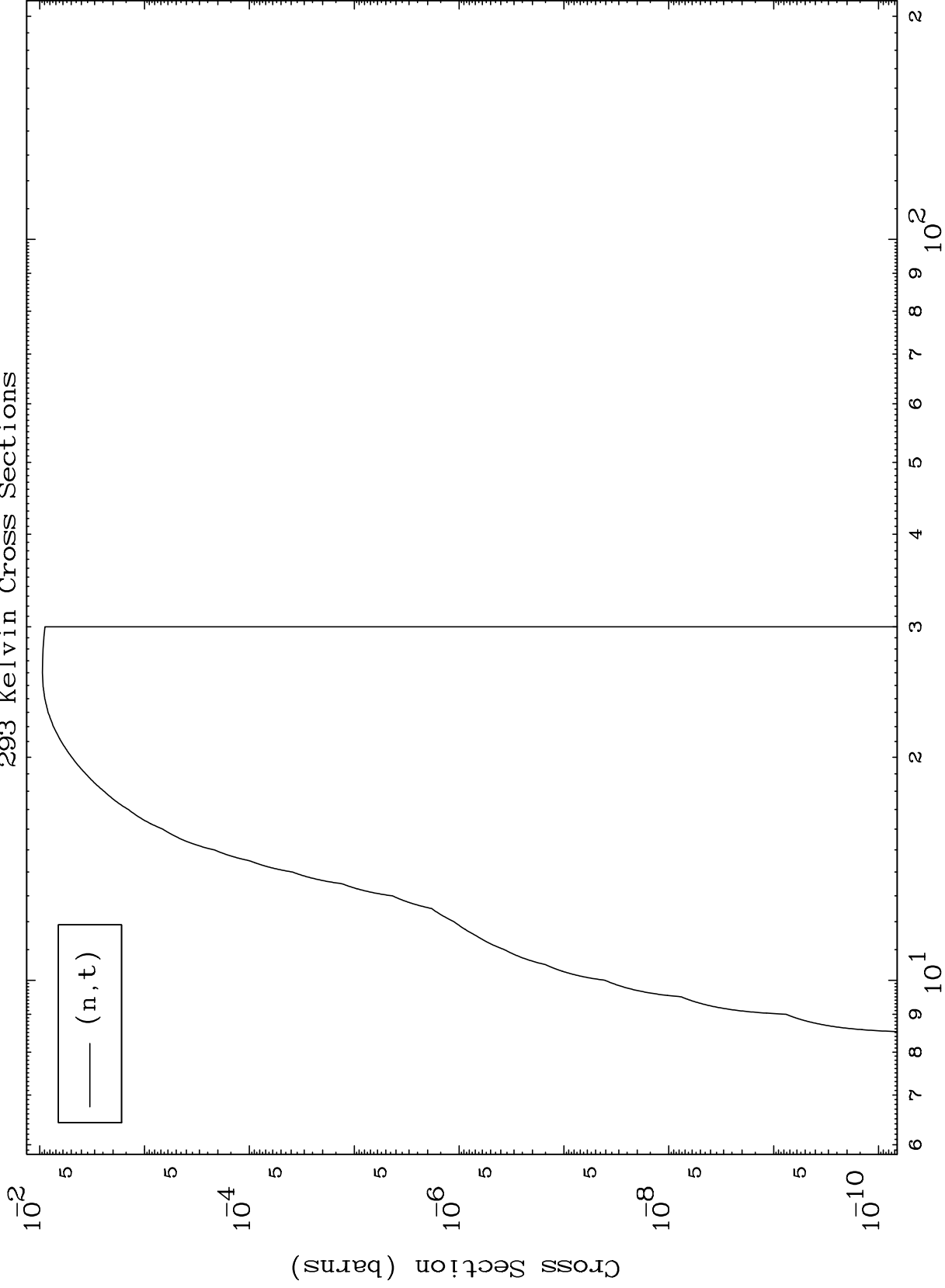
43-Tc-95



MAT 4314

(n,t) Levels
293 Kelvin Cross Sections

43-Tc-95



12

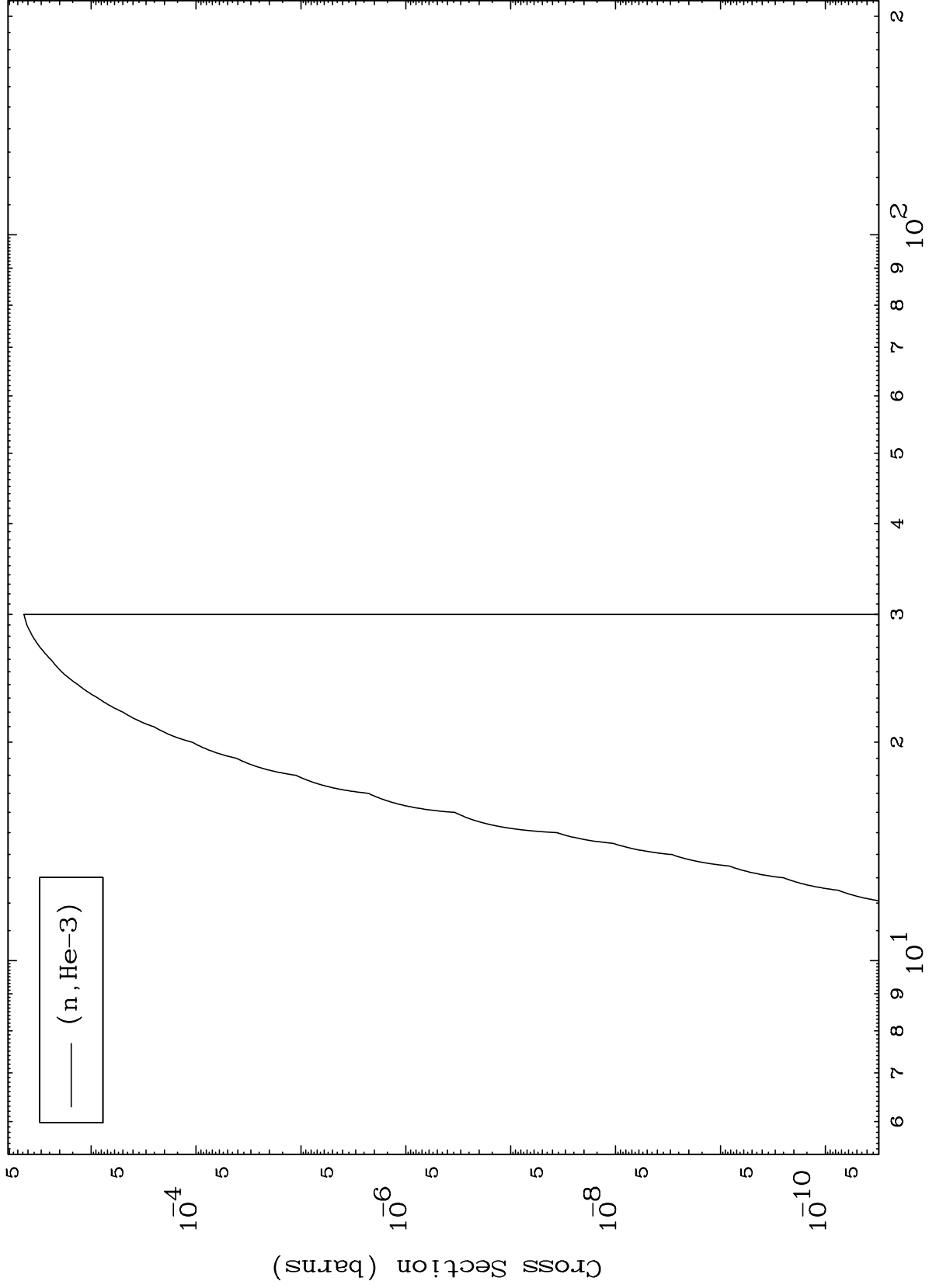
Incident Energy (MeV)

43-Tc-95

MAT 4314

(n,He3) Levels
293 Kelvin Cross Sections

43-Tc-95



13

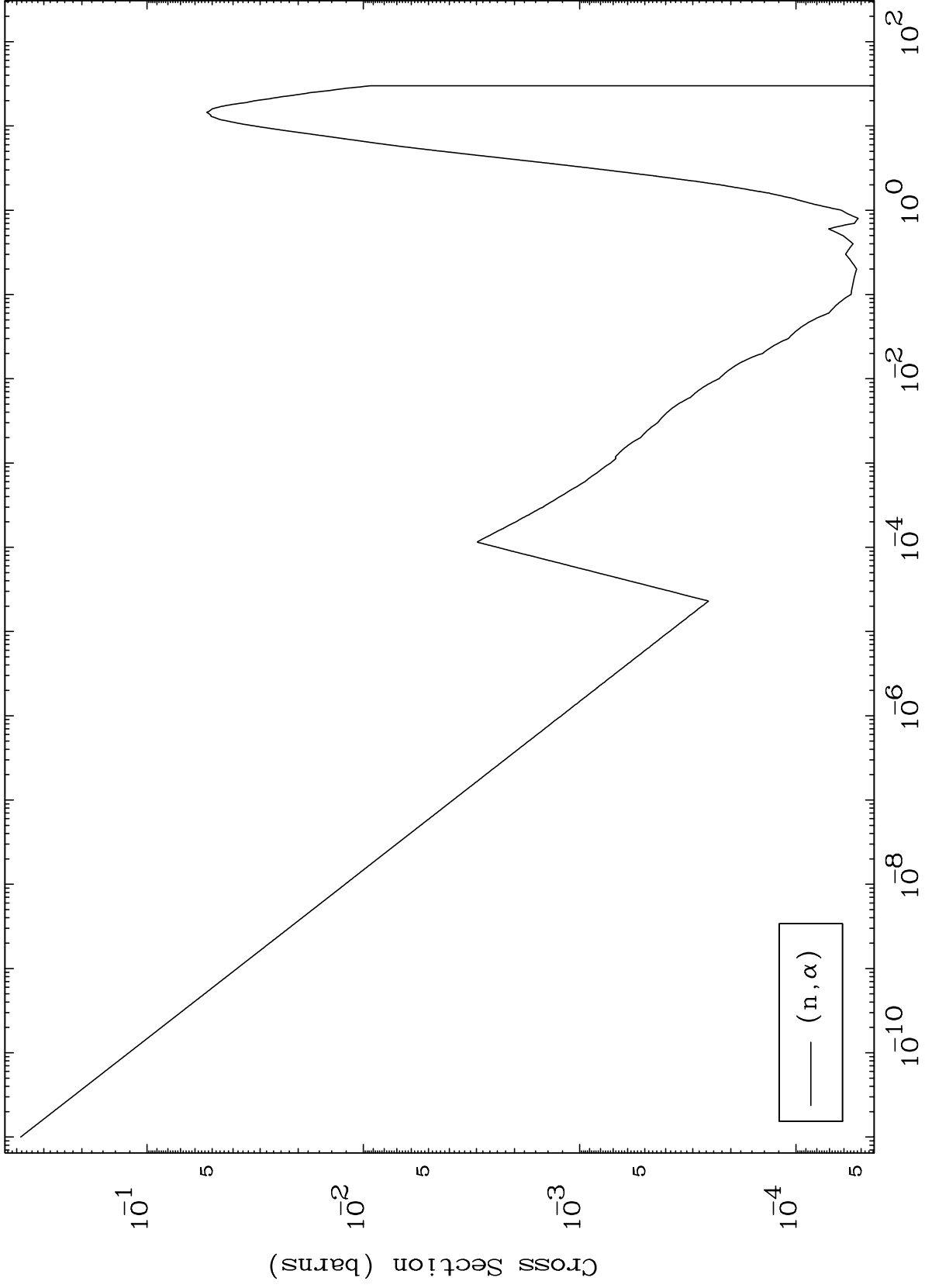
Incident Energy (MeV)

43-Tc-95

MAT 4314

(n,α) Levels
293 Kelvin Cross Sections

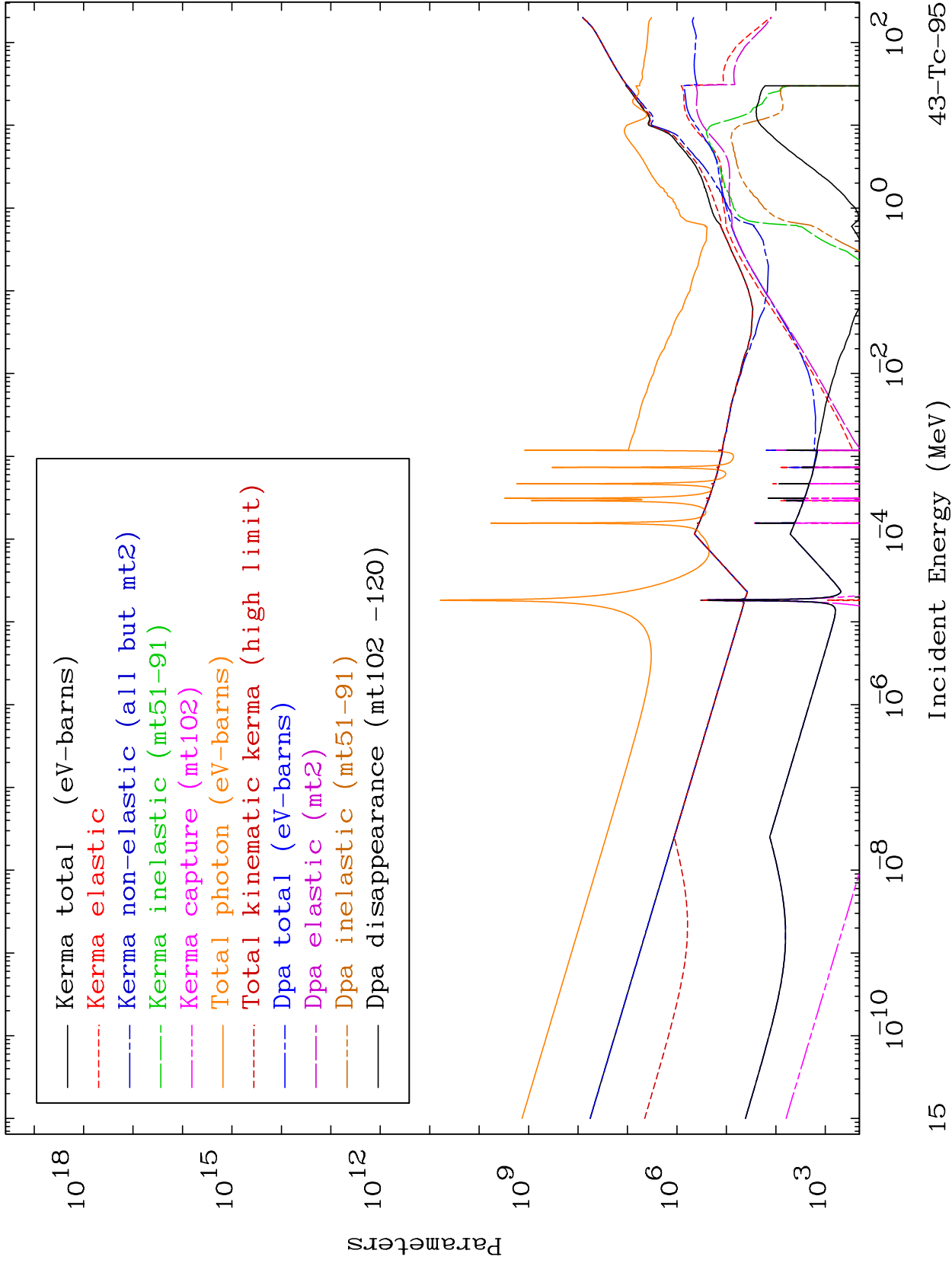
43-Tc-95



14

Incident Energy (MeV)

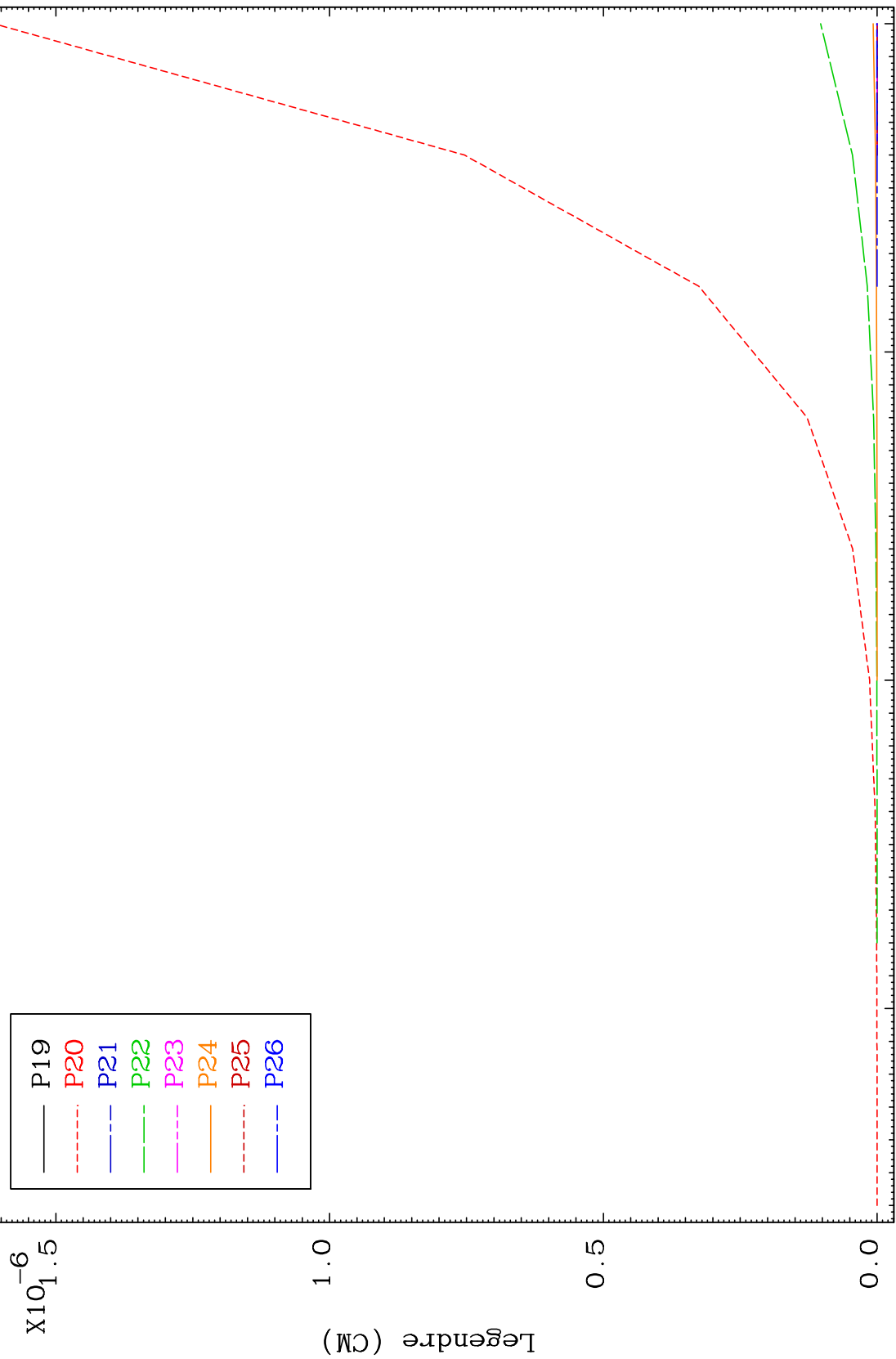
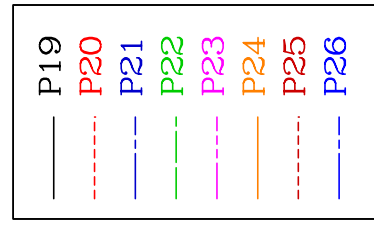
43-Tc-95



MAT 4314

Elastic Legendre Coefficients

43-Tc-95



18

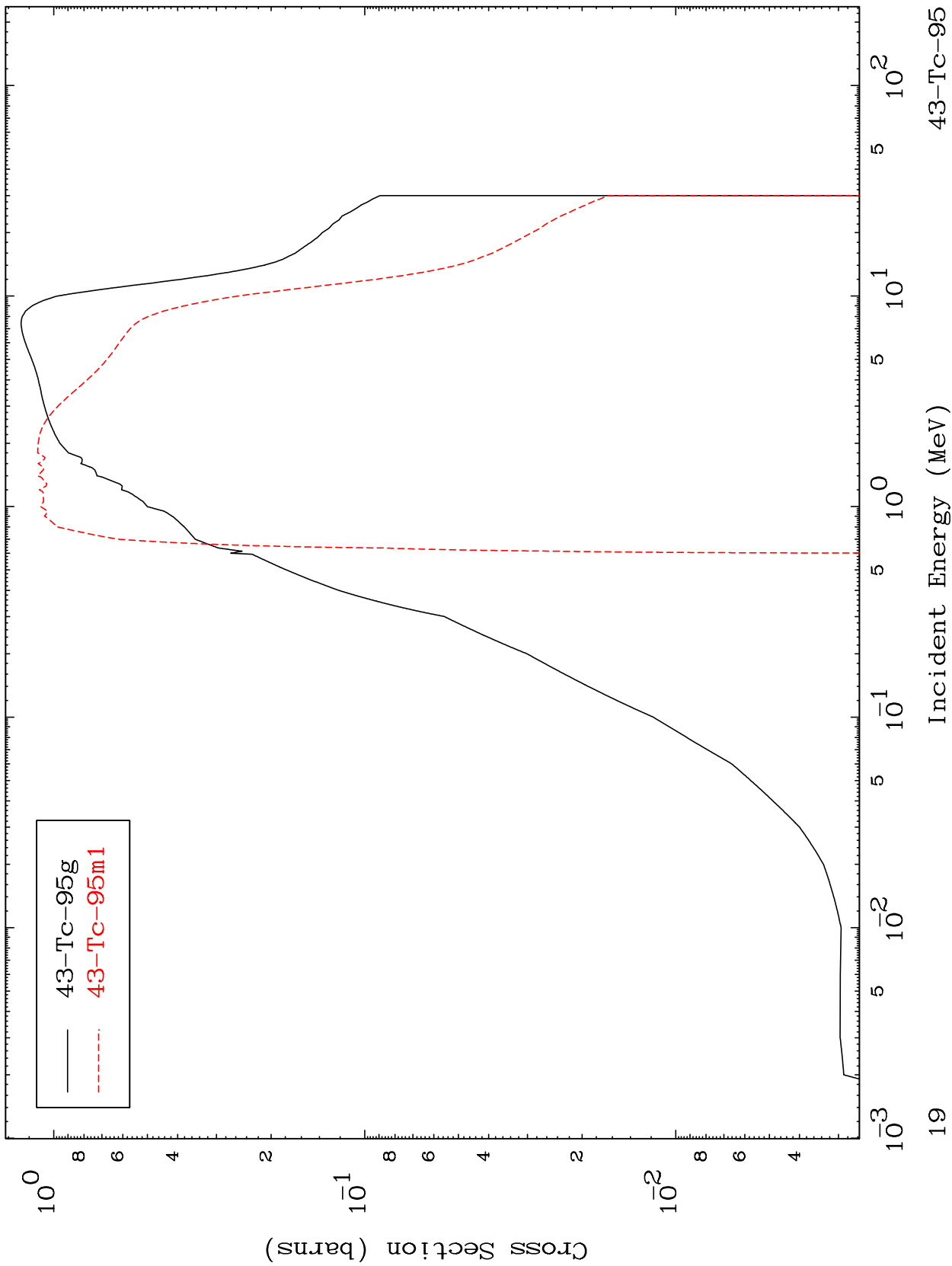
Incident Energy (MeV)

43-Tc-95

MAT 4314

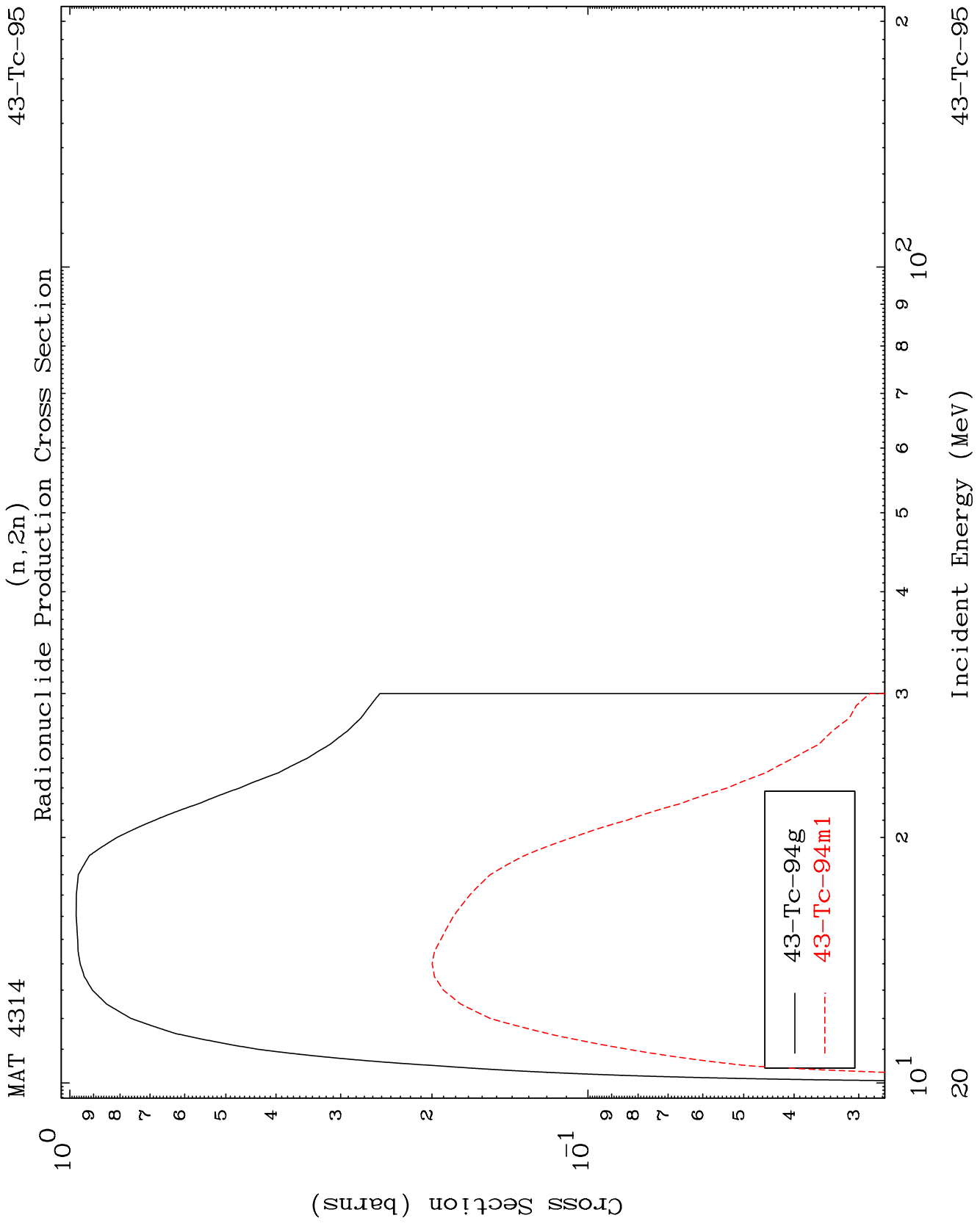
43-Tc-95

Inelastic
Radionuclide Production Cross Section

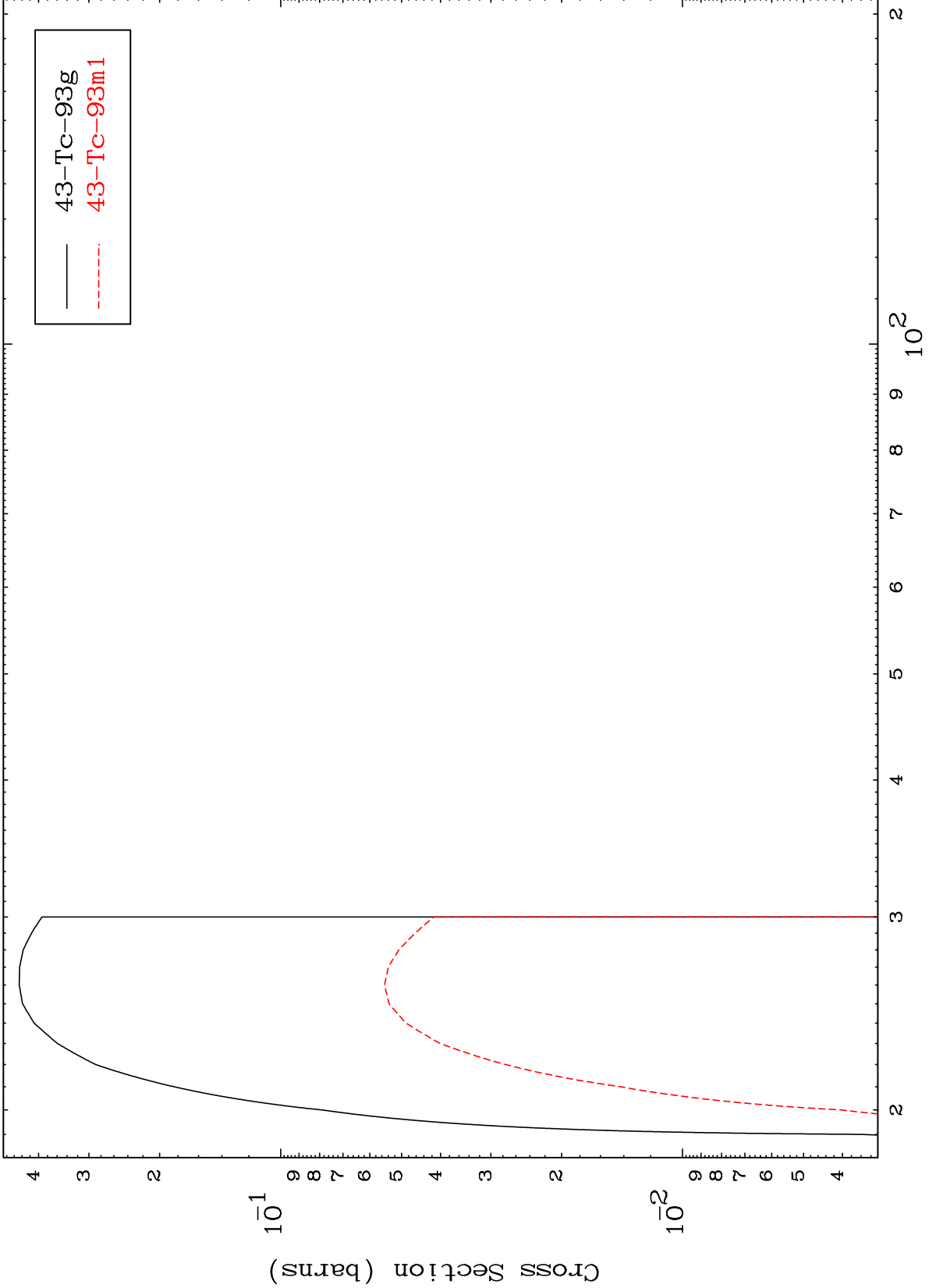


19

43-Tc-95



Radionuclide Production Cross Section



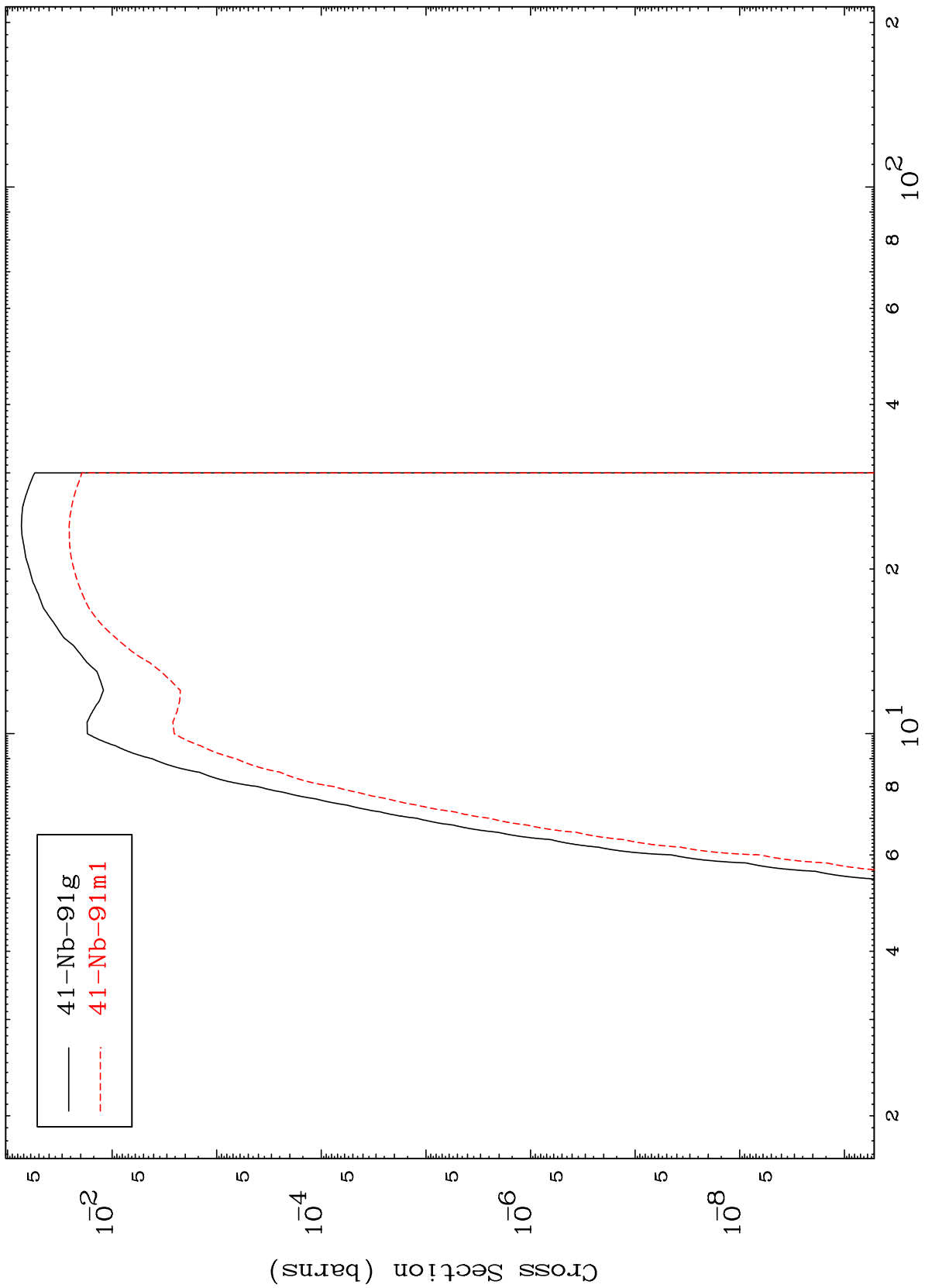
43-Tc-93g
43-Tc-93m1

MAT 4314

(n,n') α

43-Tc-95

Radionuclide Production Cross Section



22

Incident Energy (MeV)

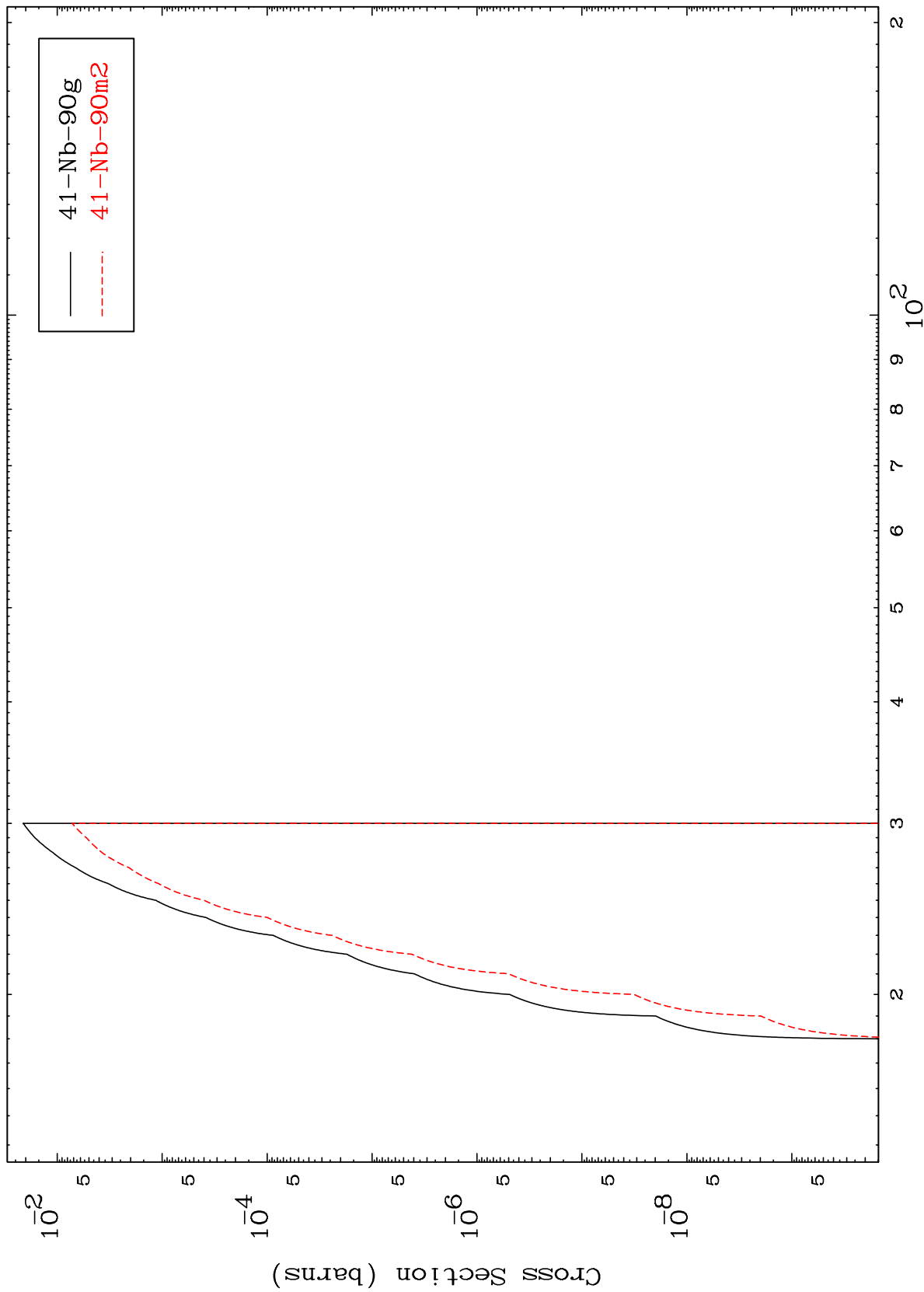
43-Tc-95

MAT 4314

43-Tc-95

(n,2n) α

Radionuclide Production Cross Section



23

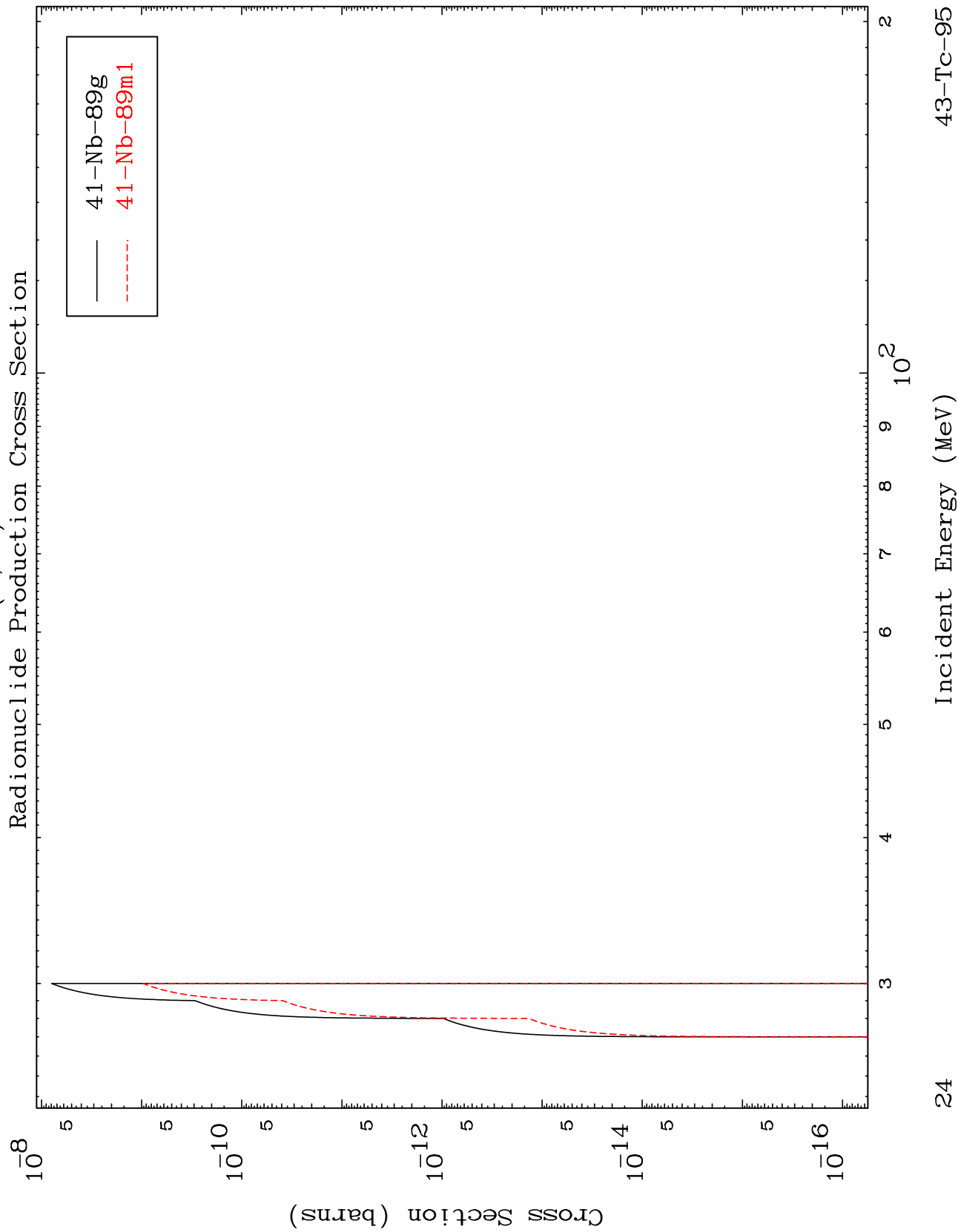
Incident Energy (MeV)

43-Tc-95

MAT 4314

(n,3n) α

43-Tc-95



24

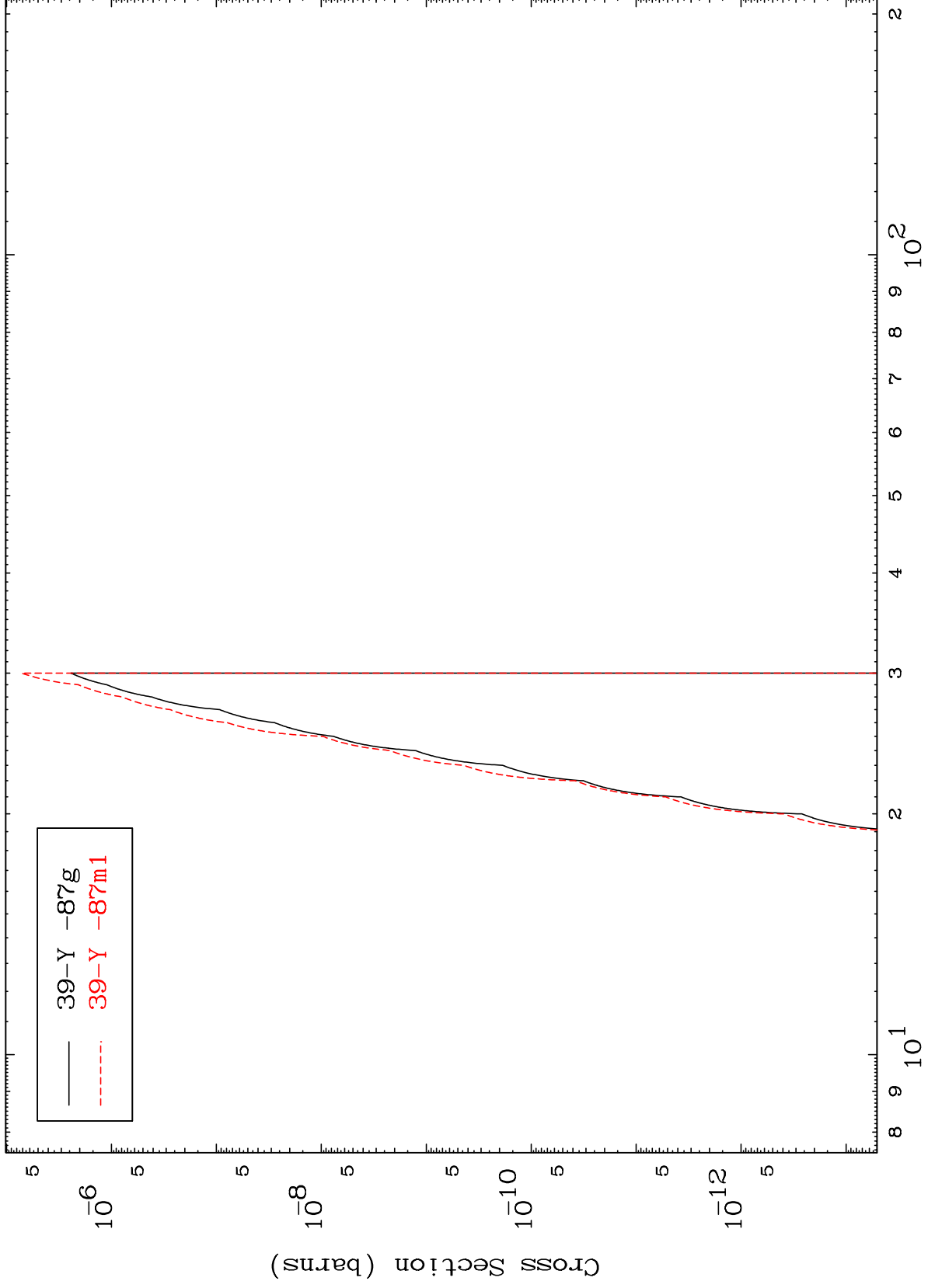
43-Tc-95

MAT 4314

(n,n') 2α

43-Tc-95

Radionuclide Production Cross Section



25

Incident Energy (MeV)

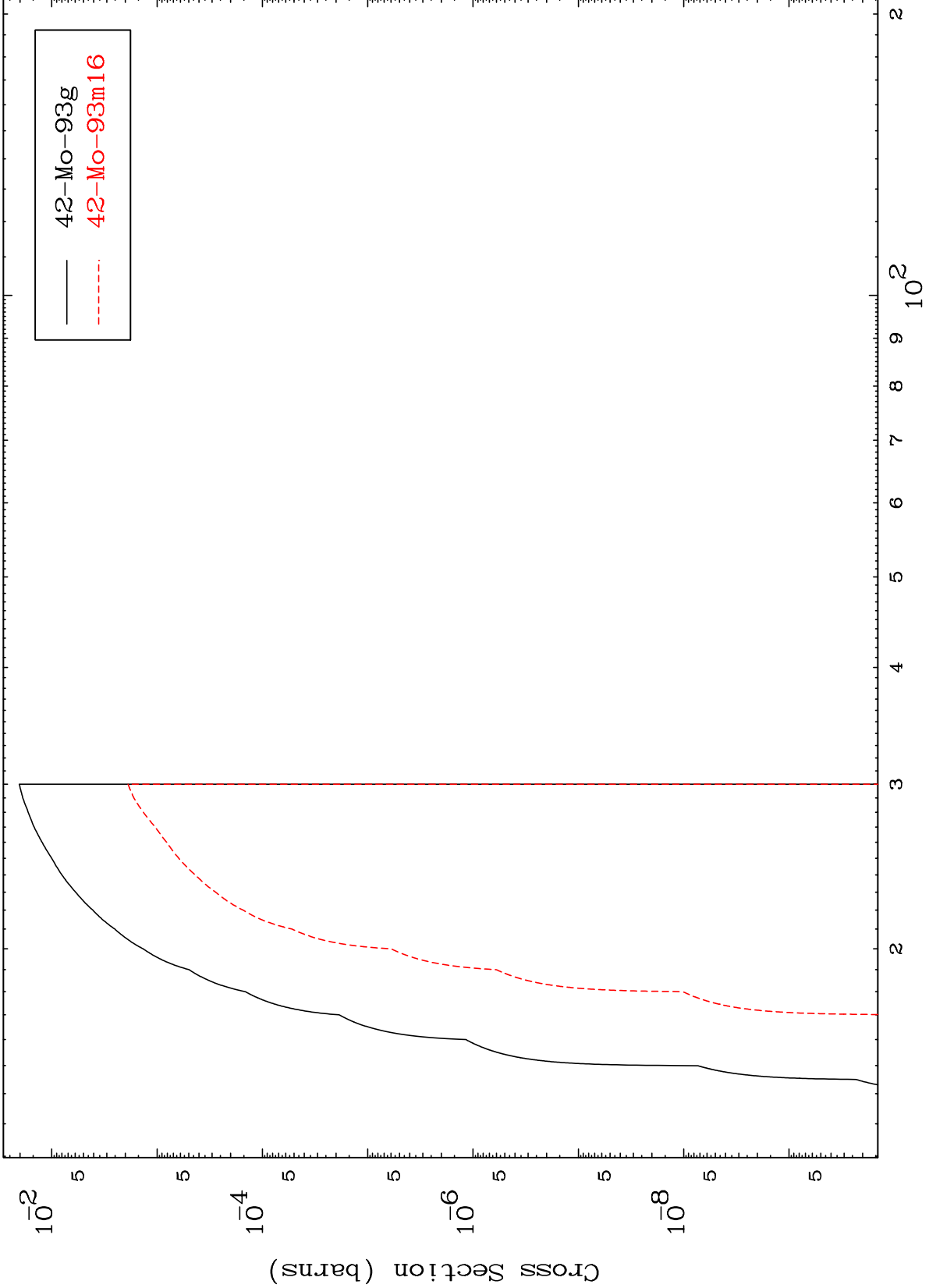
43-Tc-95

MAT 4314

(n,n') d

43-Tc-95

Radionuclide Production Cross Section

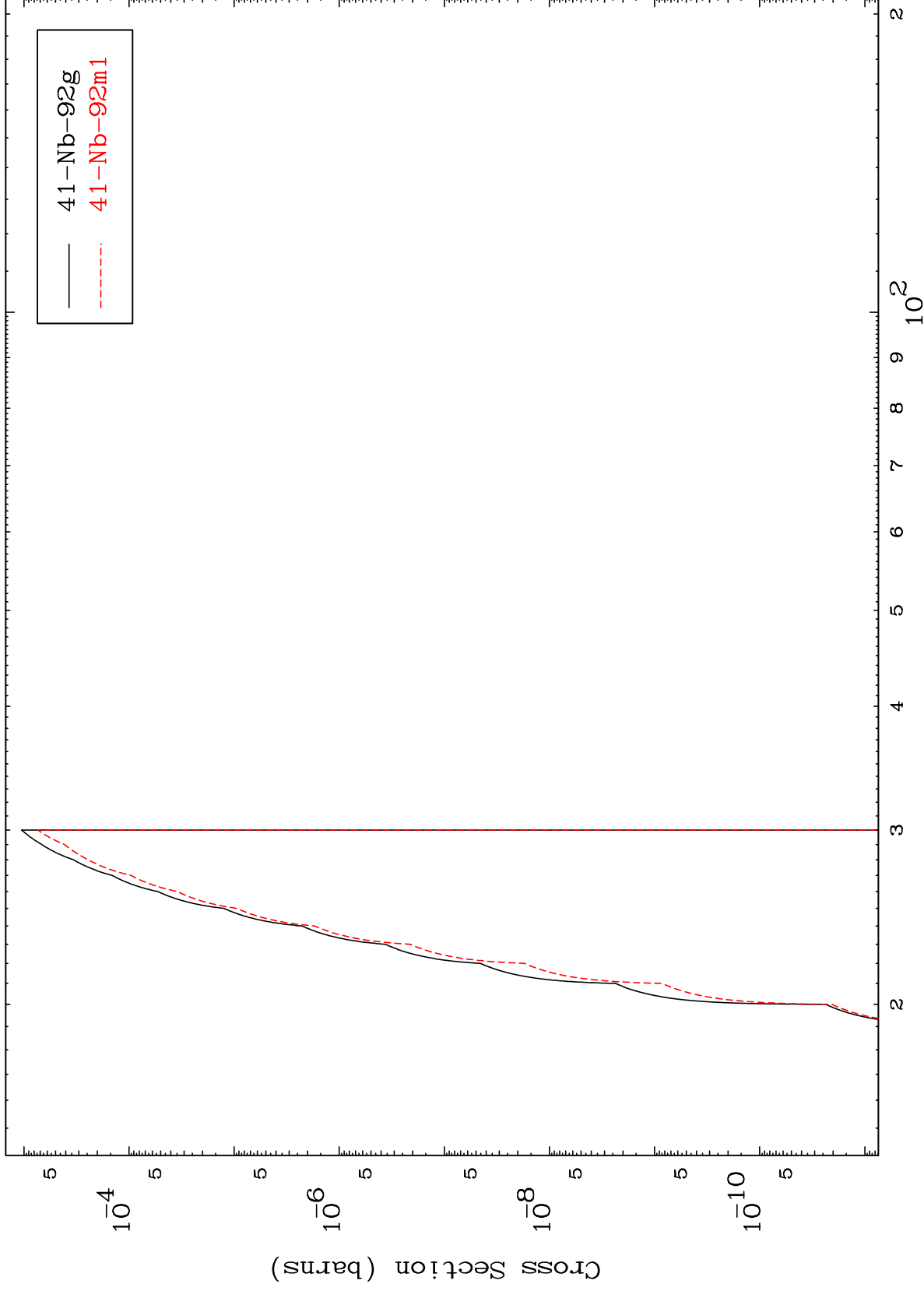


26

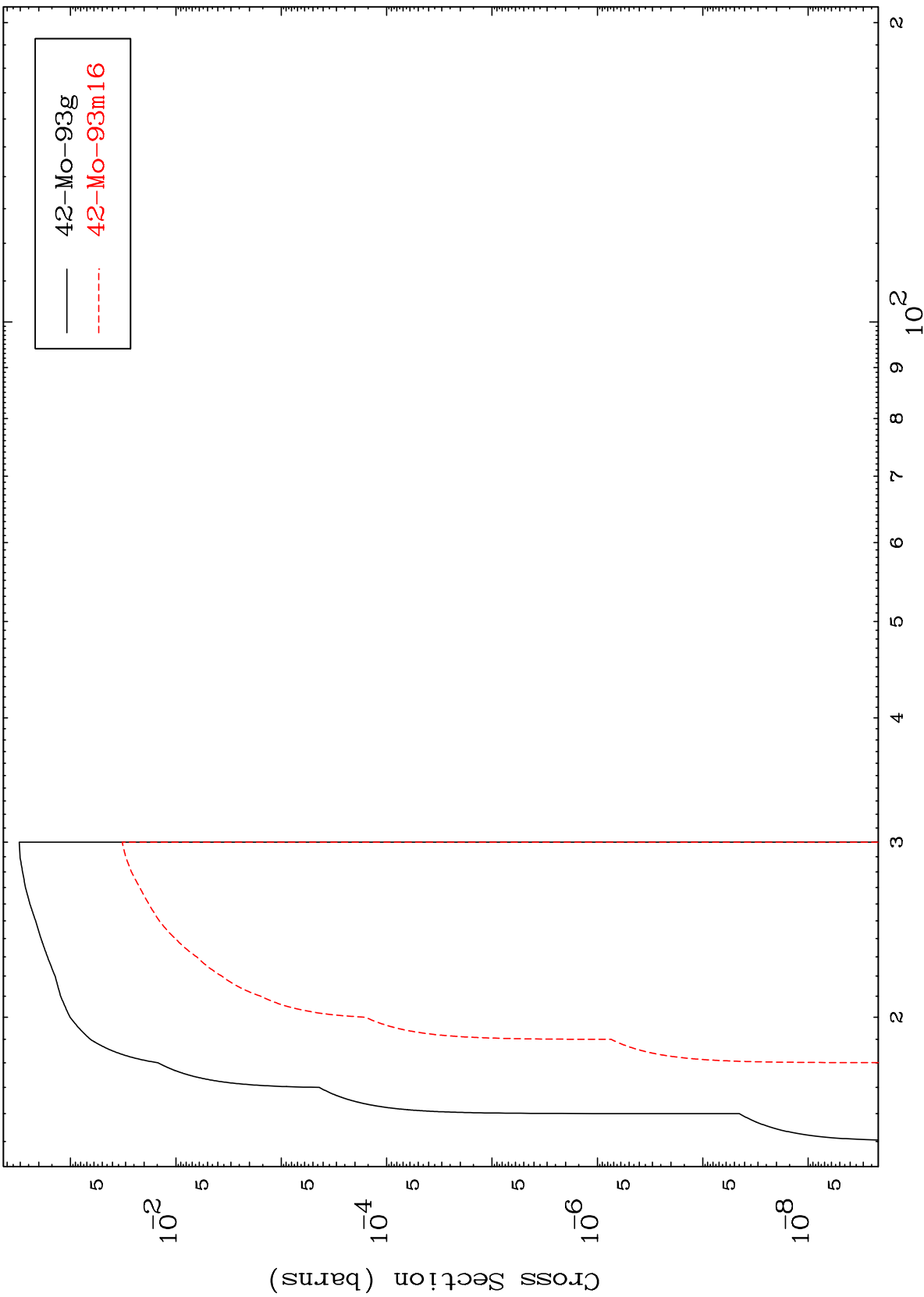
Incident Energy (MeV)

43-Tc-95

Radionuclide Production Cross Section



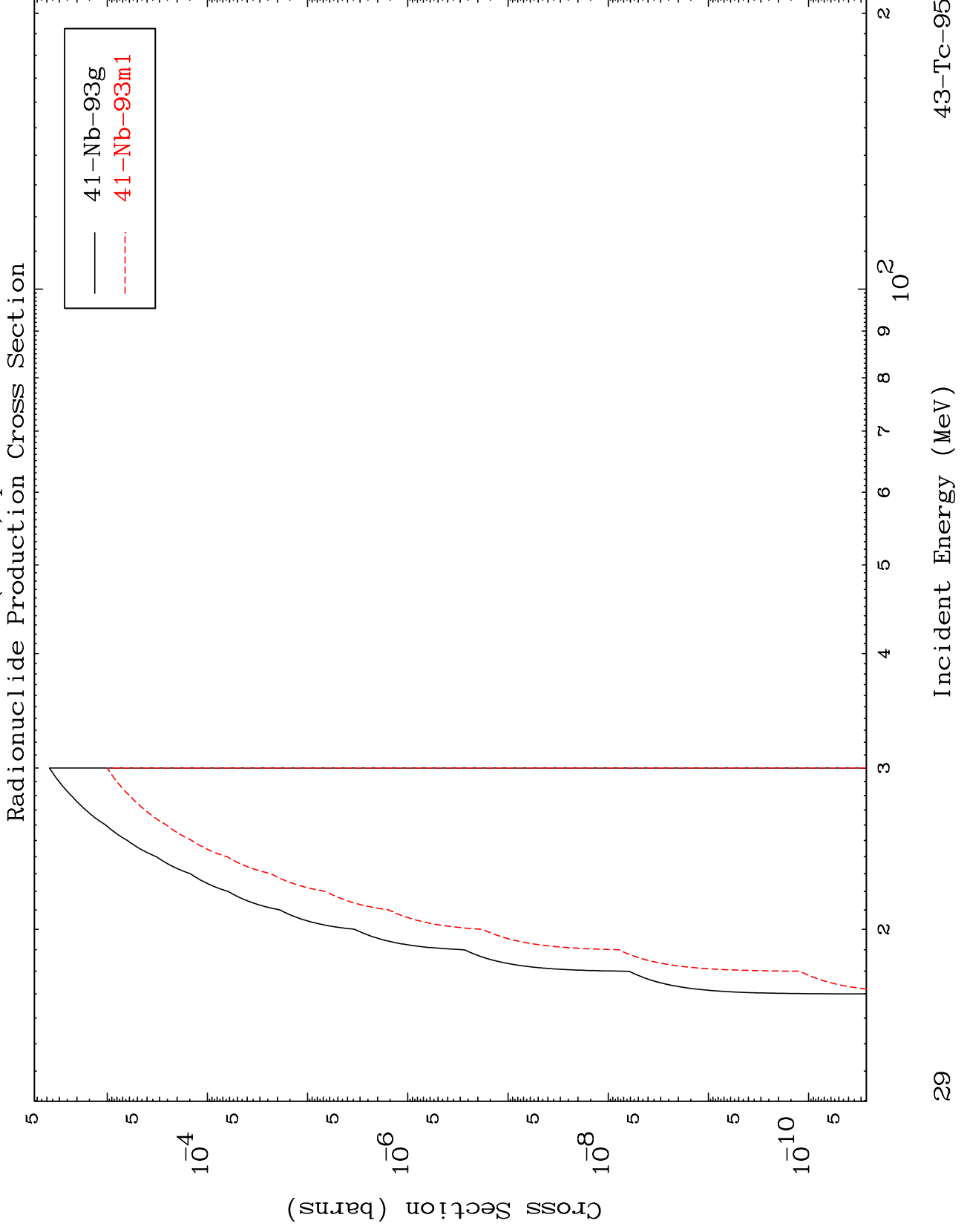
Radionuclide Production Cross Section



MAT 4314

(n,2n) p

43-Tc-95



29

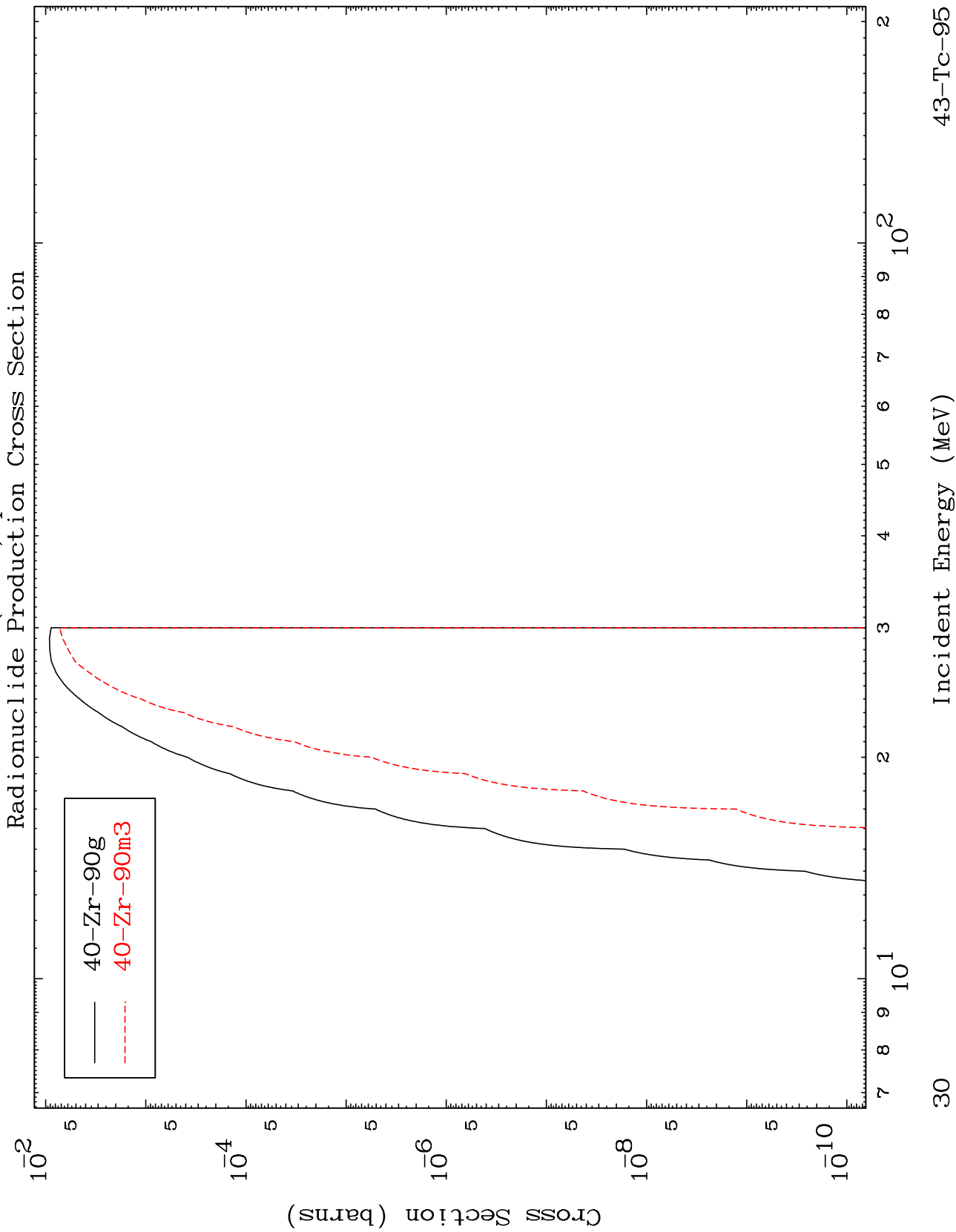
Incident Energy (MeV)

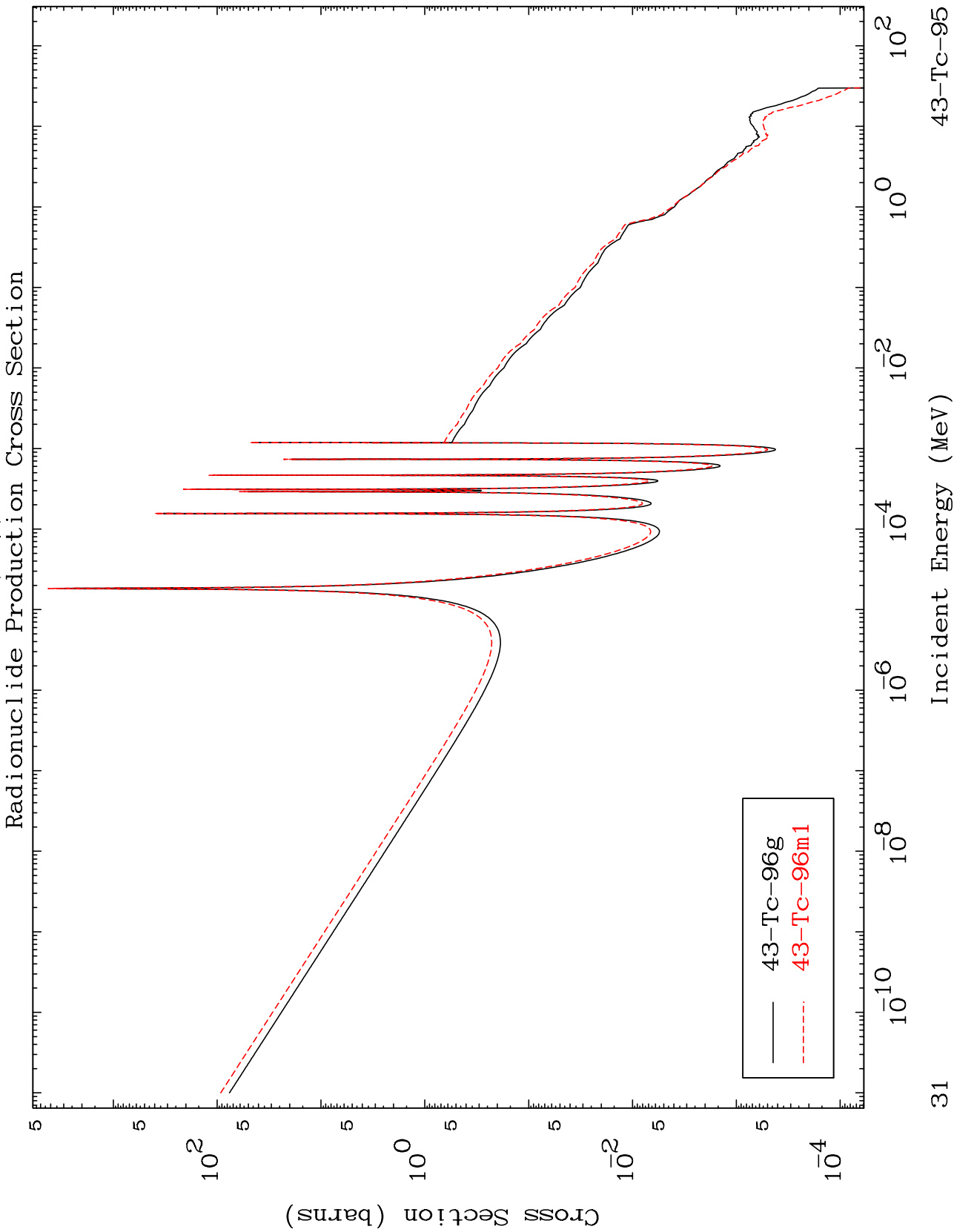
43-Tc-95

MAT 4314

(n,n') p α

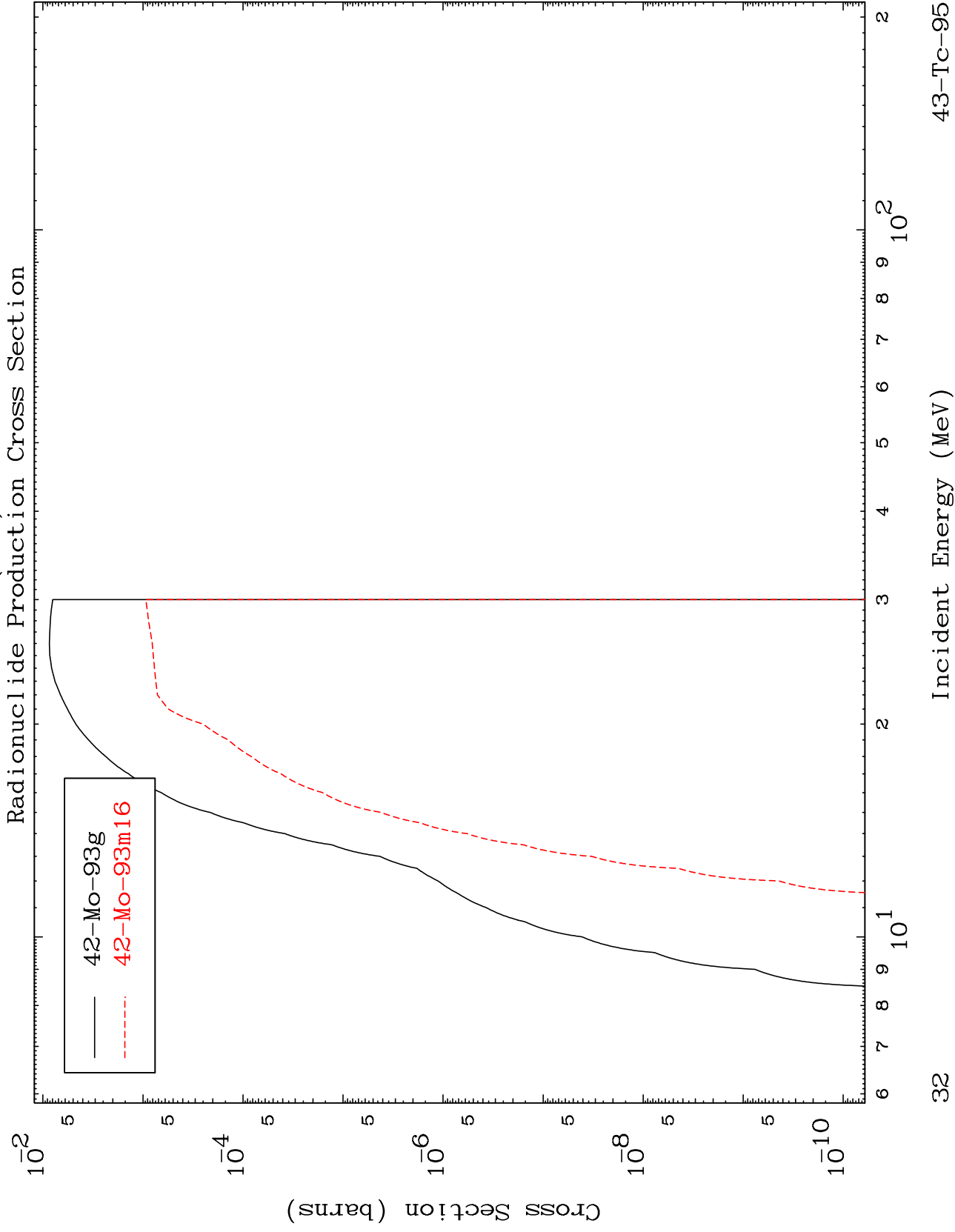
43-Tc-95





MAT 4314

43-Tc-95

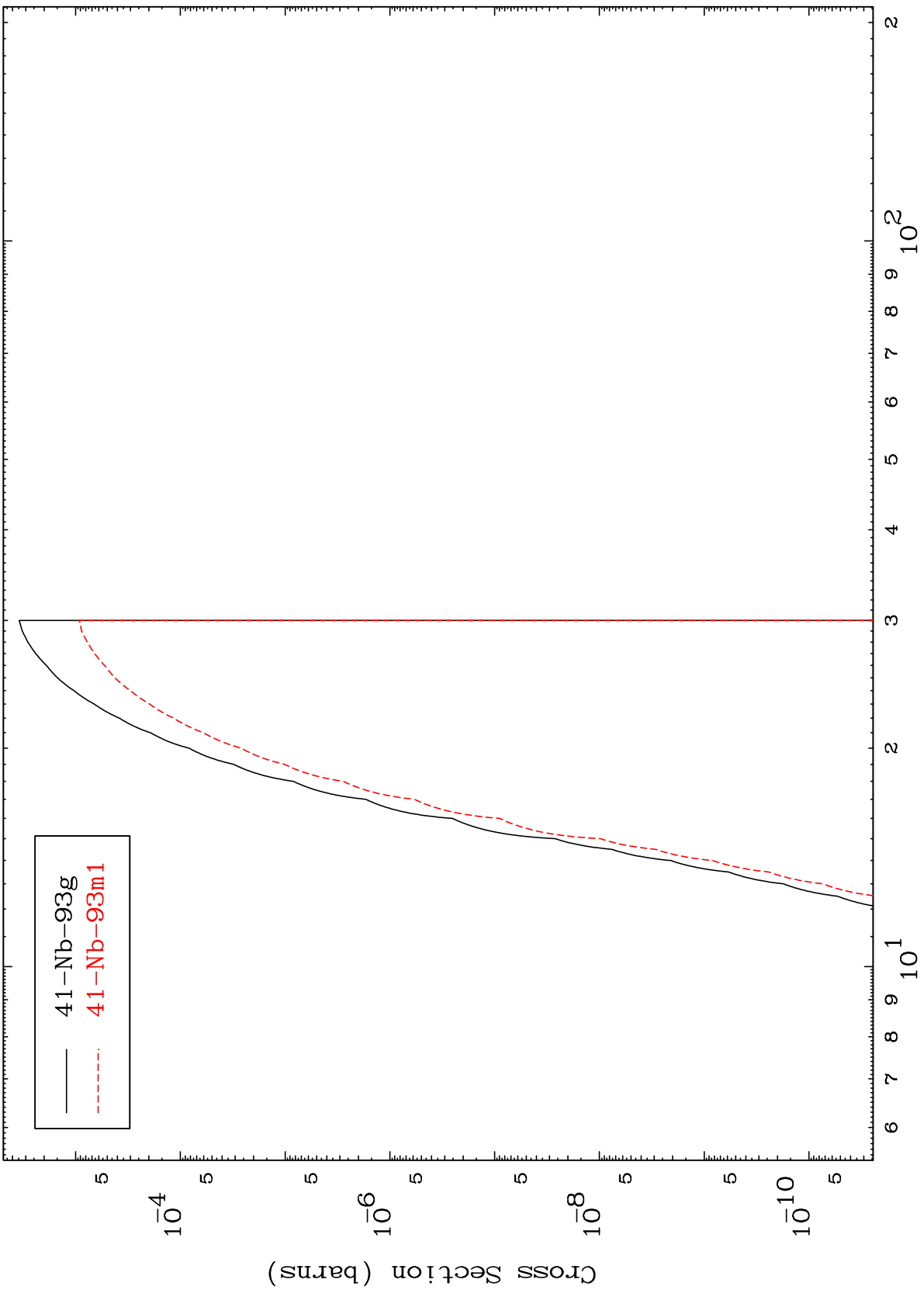


32

MAT 4314

43-Tc-95

Radionuclide Production Cross Section



33

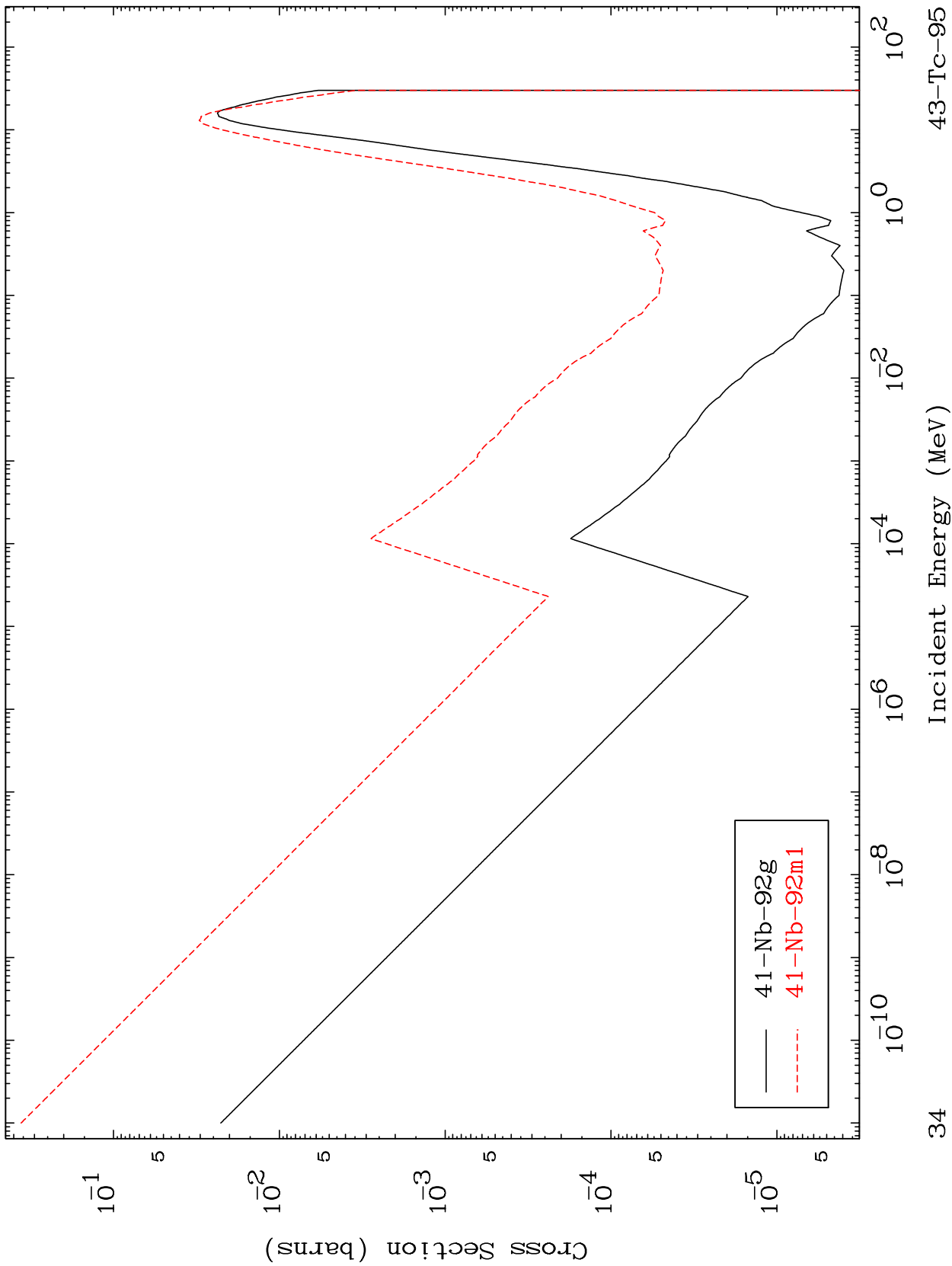
Incident Energy (MeV)

43-Tc-95

MAT 4314

43-Tc-95

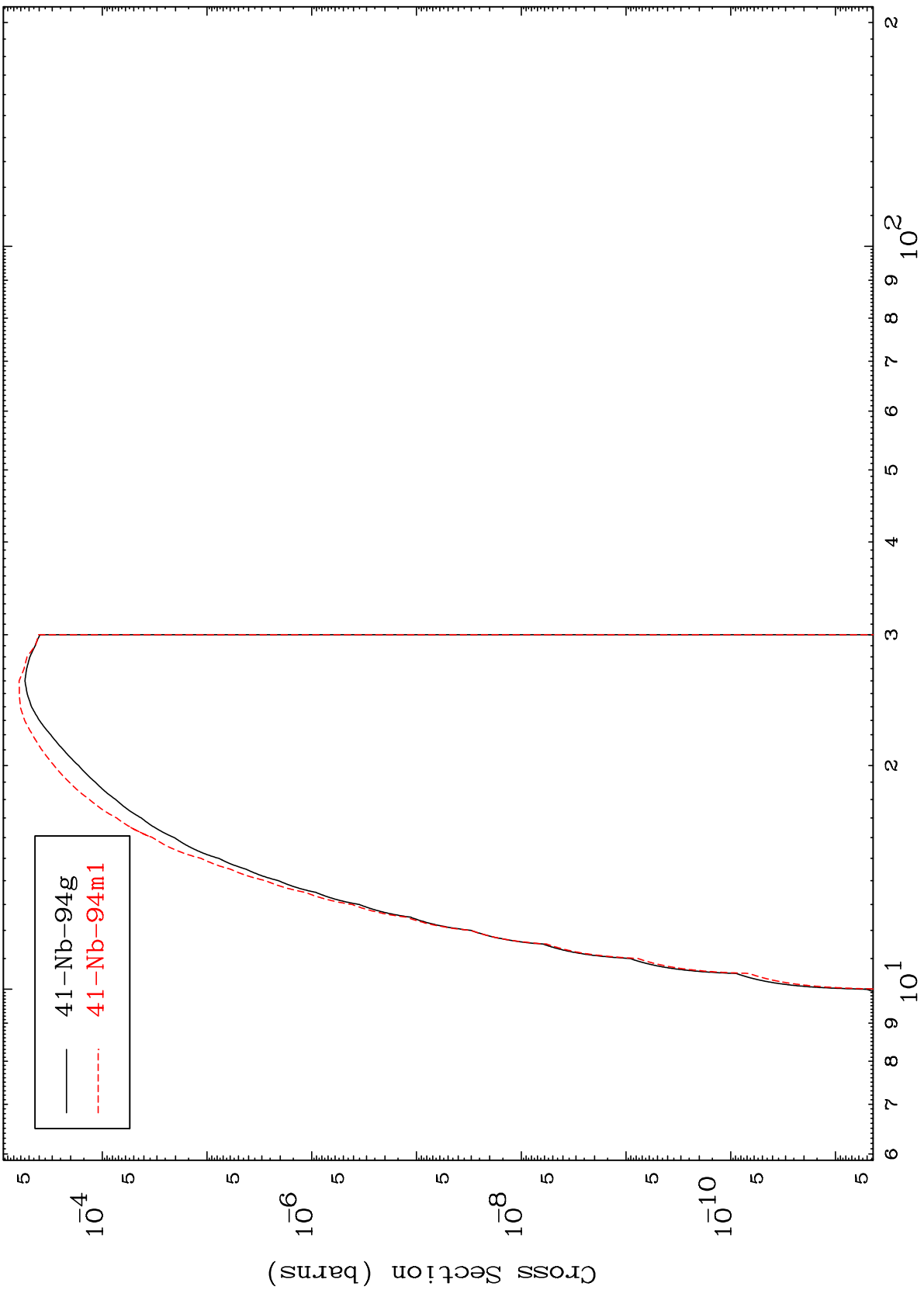
(n, α)
Radionuclide Production Cross Section



MAT 4314

43-Tc-95

(n,2p)
Radionuclide Production Cross Section



35

Incident Energy (MeV)

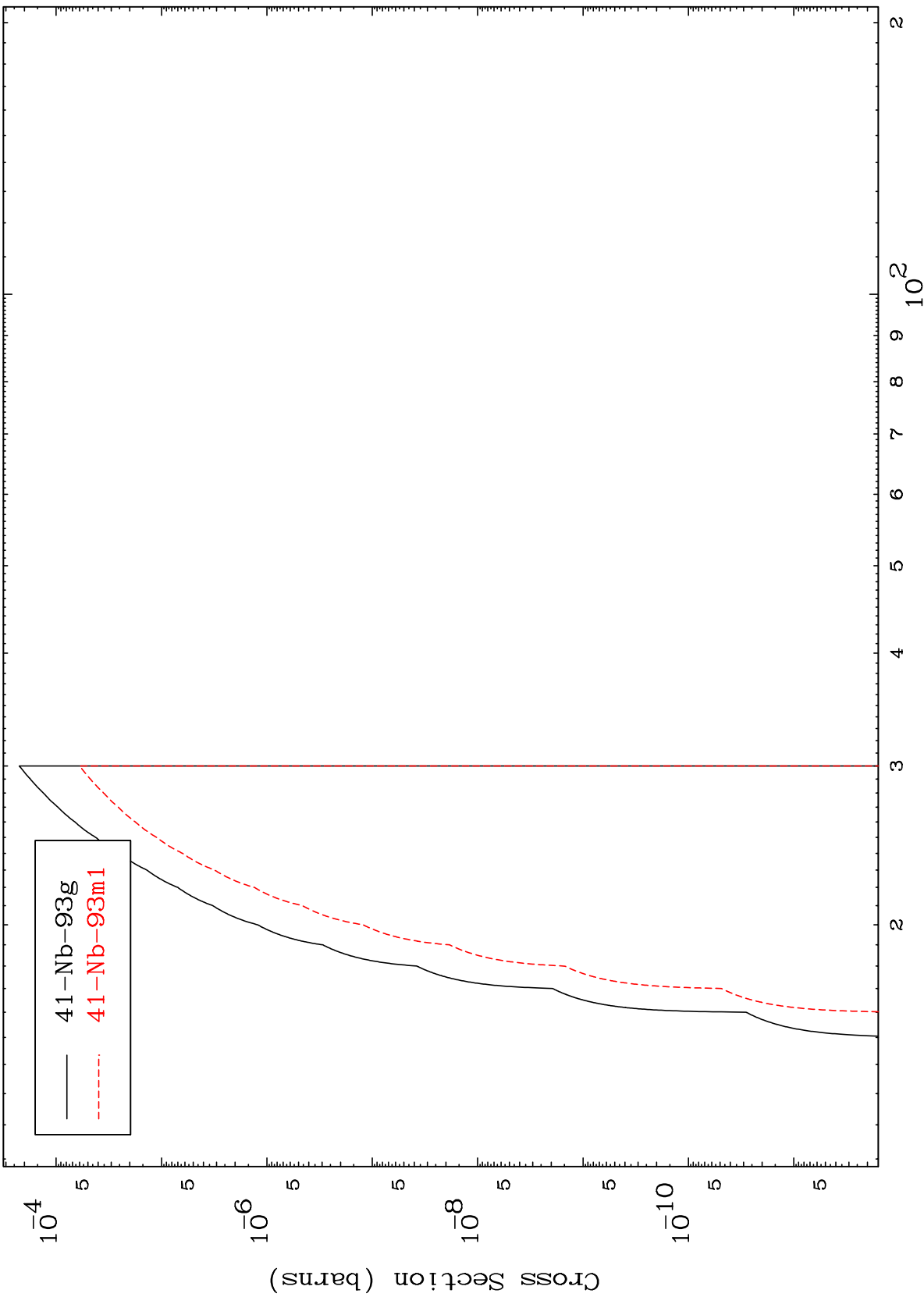
43-Tc-95

MAT 4314

(n,p) d

43-Tc-95

Radionuclide Production Cross Section



41-Nb-93g
41-Nb-93m1

Incident Energy (MeV)

43-Tc-95

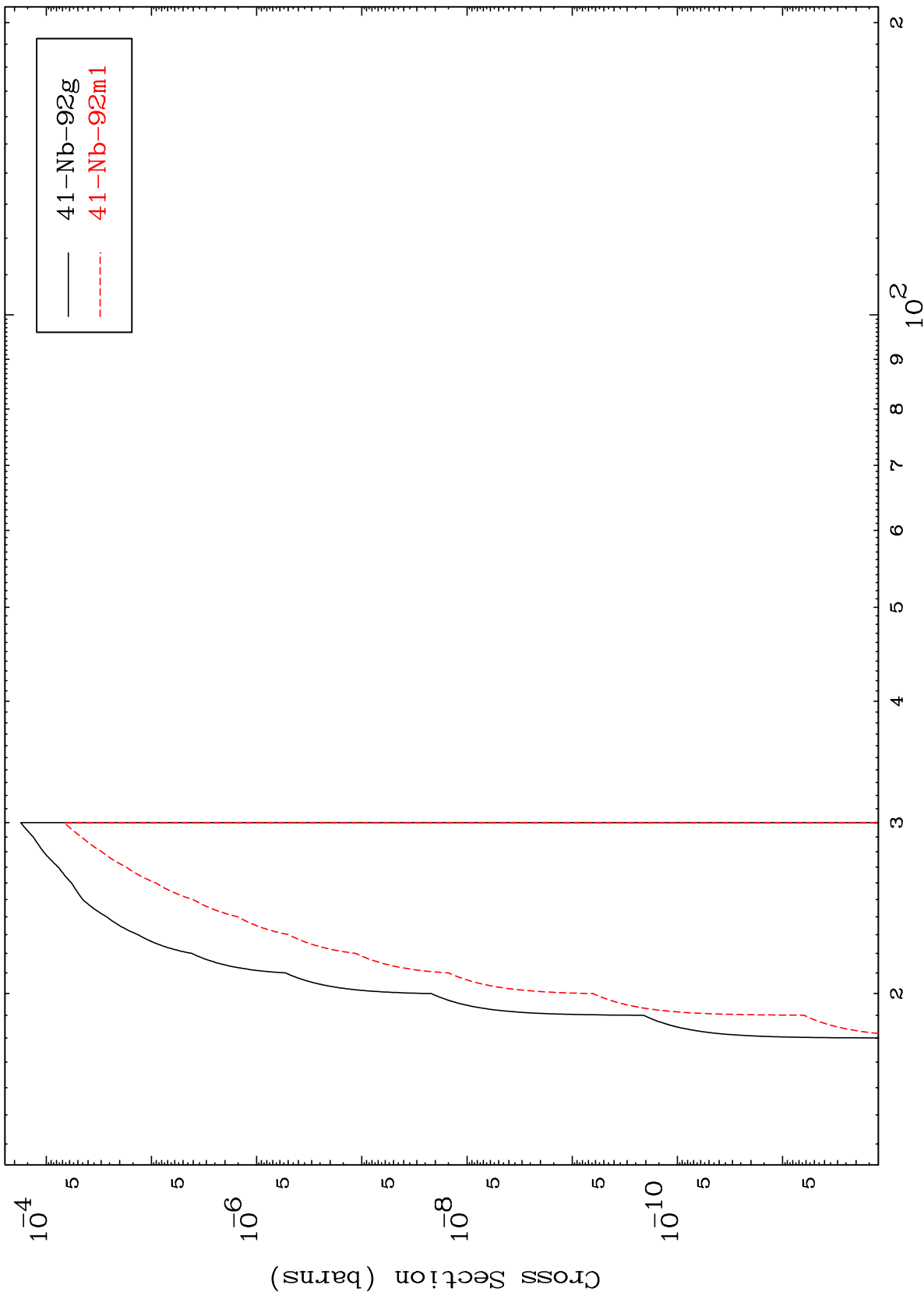
36

MAT 4314

(n,p) t

43-Tc-95

Radionuclide Production Cross Section



37

Incident Energy (MeV)

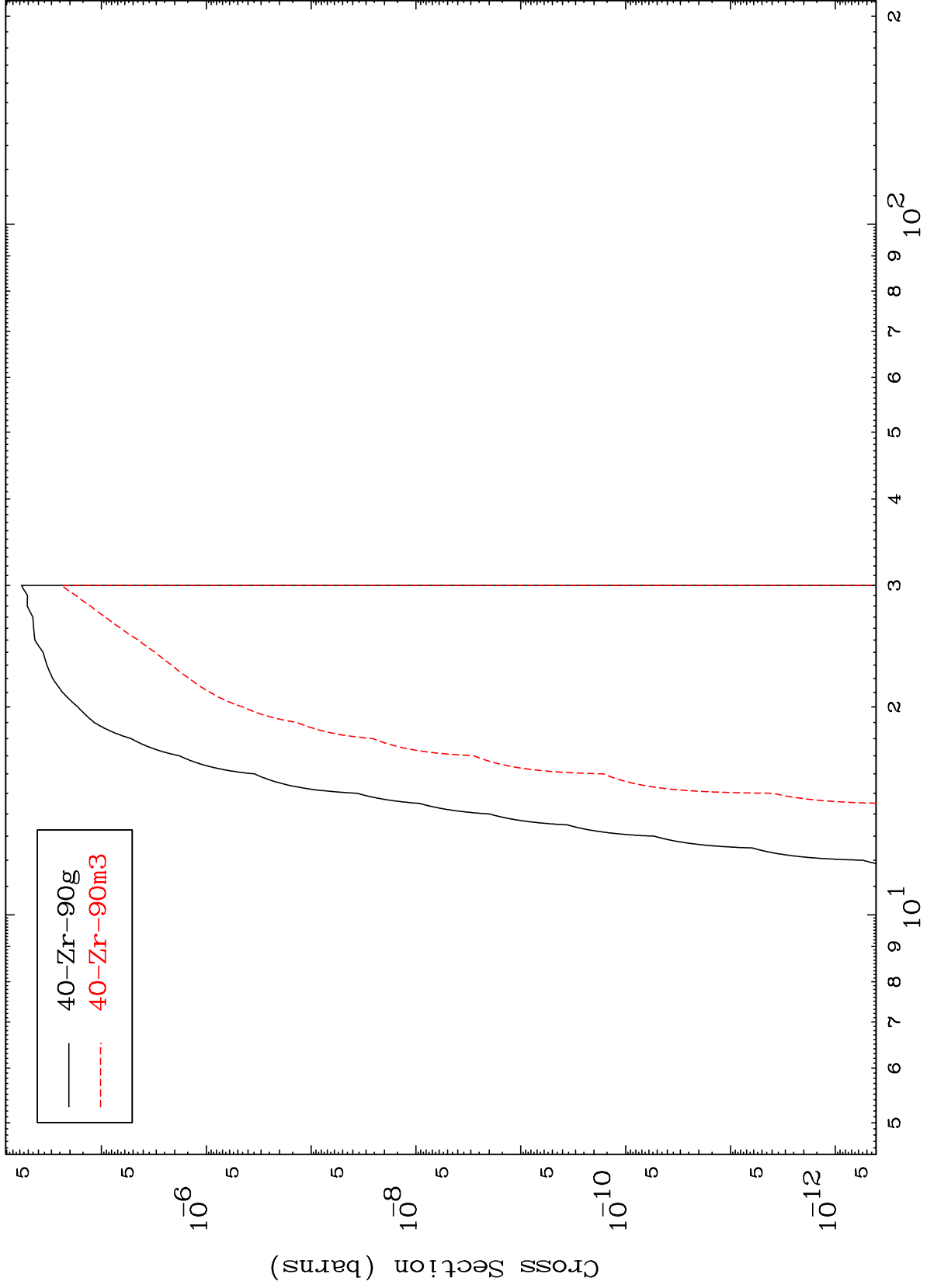
43-Tc-95

MAT 4314

(n,d) α

43-Tc-95

Radionuclide Production Cross Section



38

Incident Energy (MeV)

43-Tc-95