

Program EVALPLOT
(Version 2017-1)

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

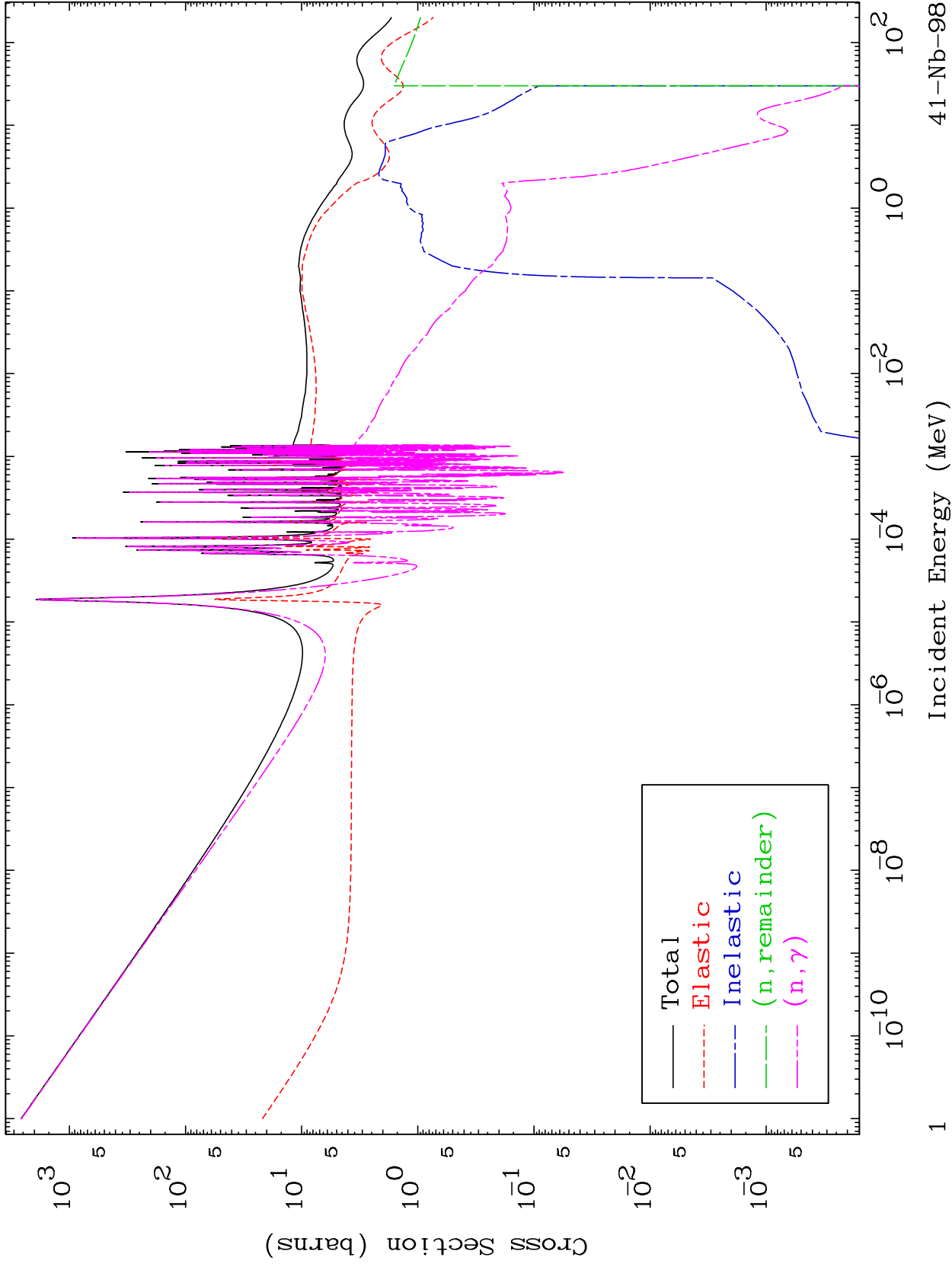
Press Mouse Button to Start

MAT 4141

Major

293 Kelvin Cross Sections

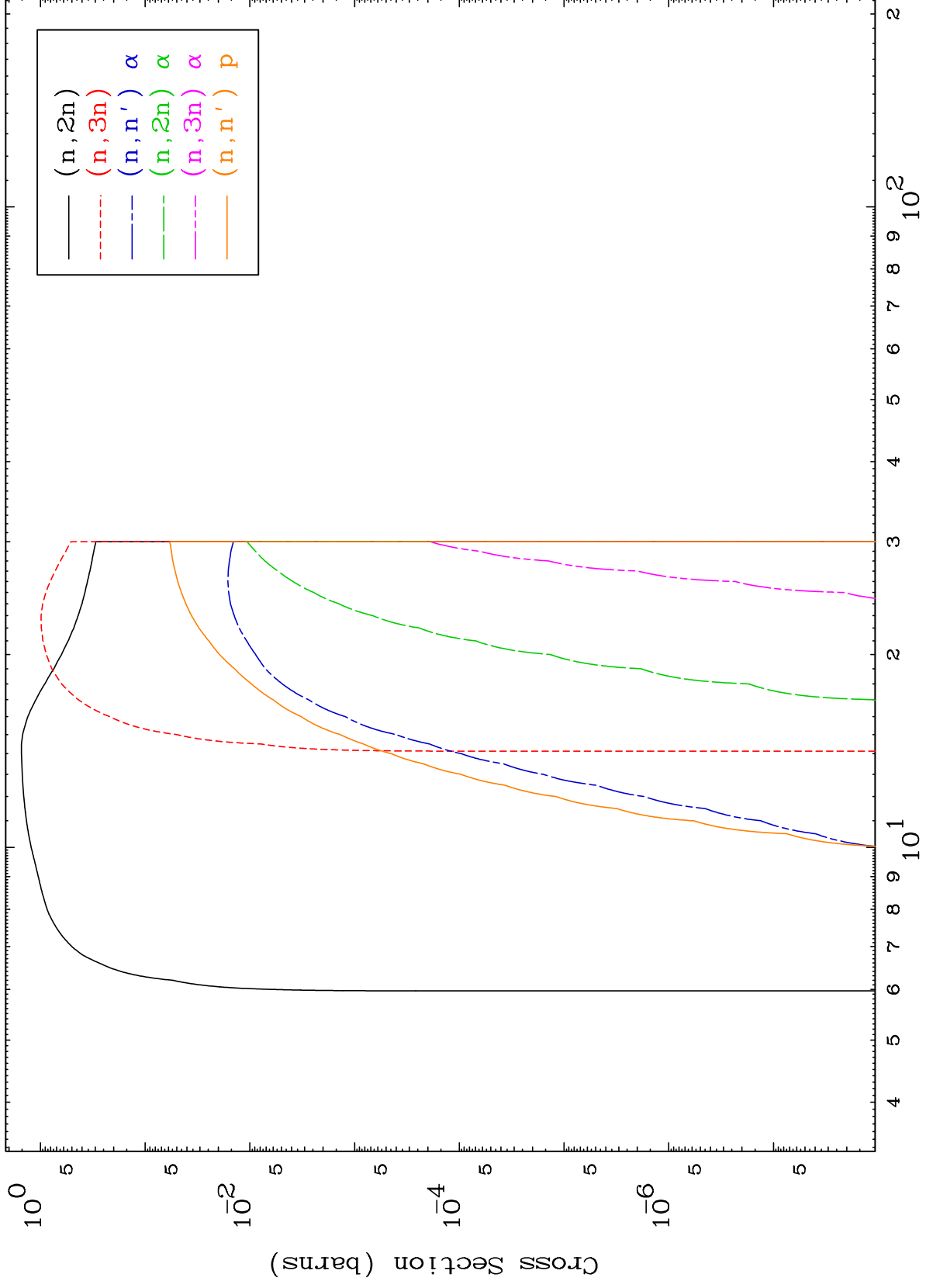
41-Nb-98



MAT 4141

Neutron Production
293 Kelvin Cross Sections

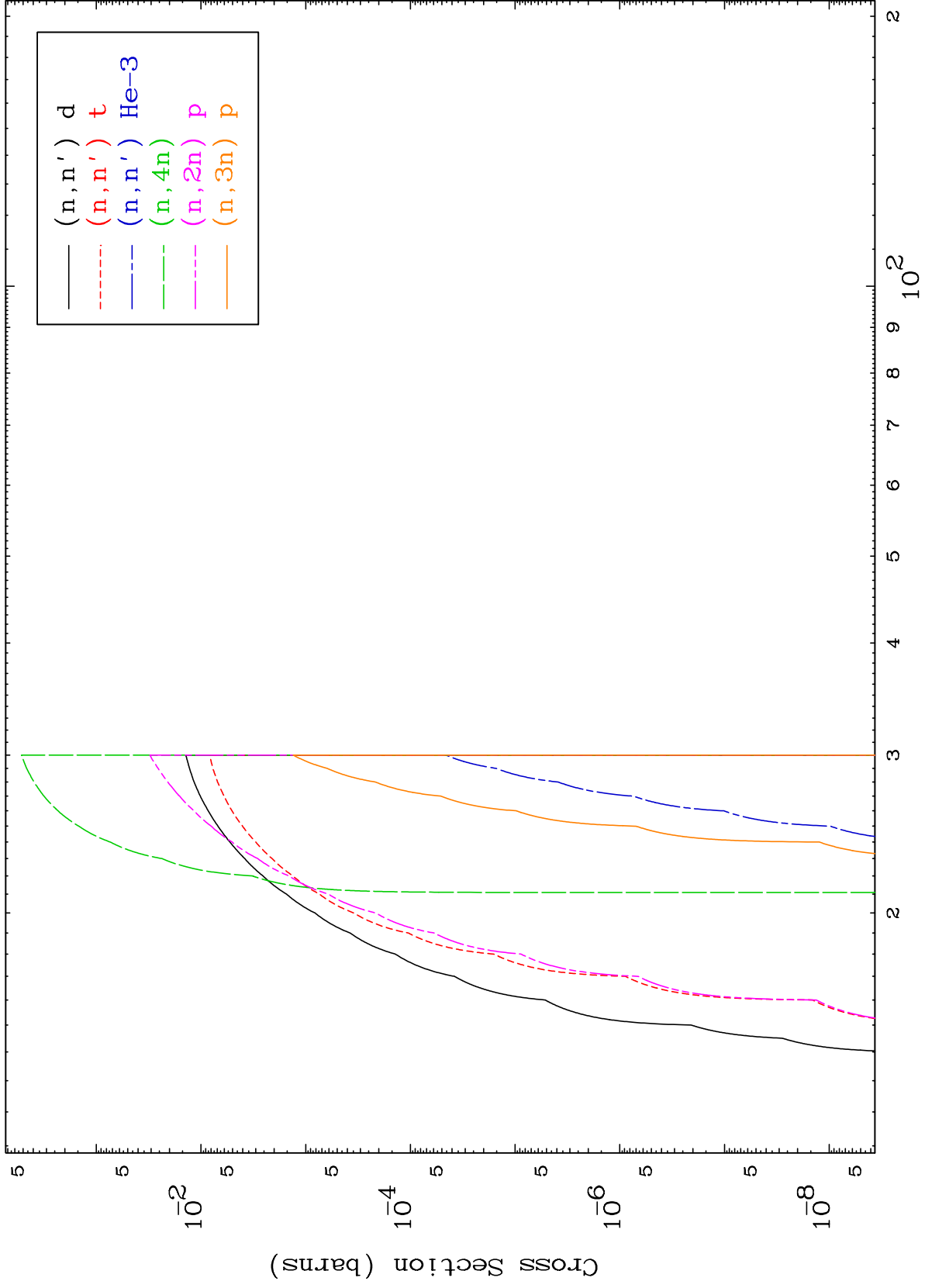
41-Nb-98

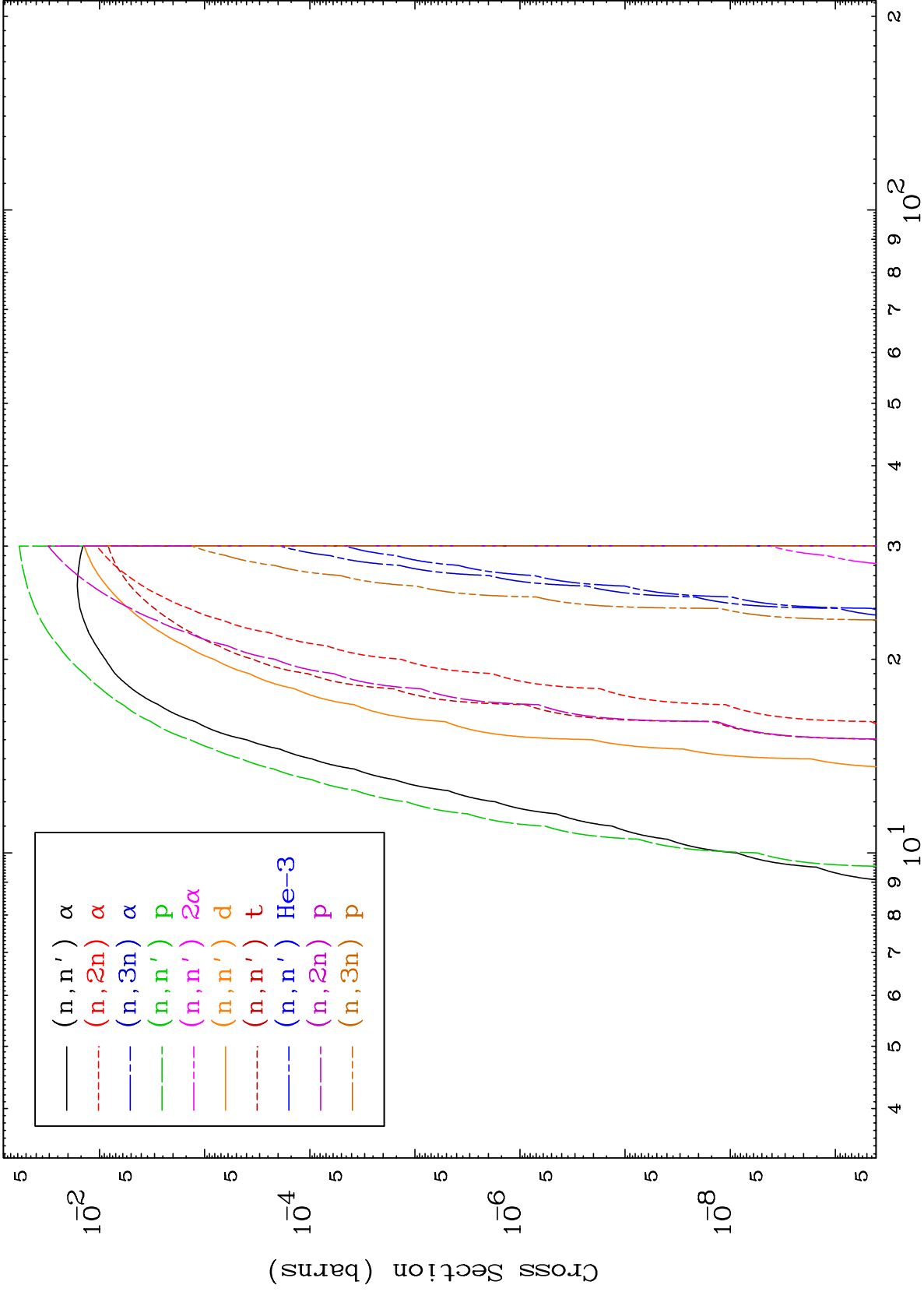


2

Incident Energy (MeV)

41-Nb-98

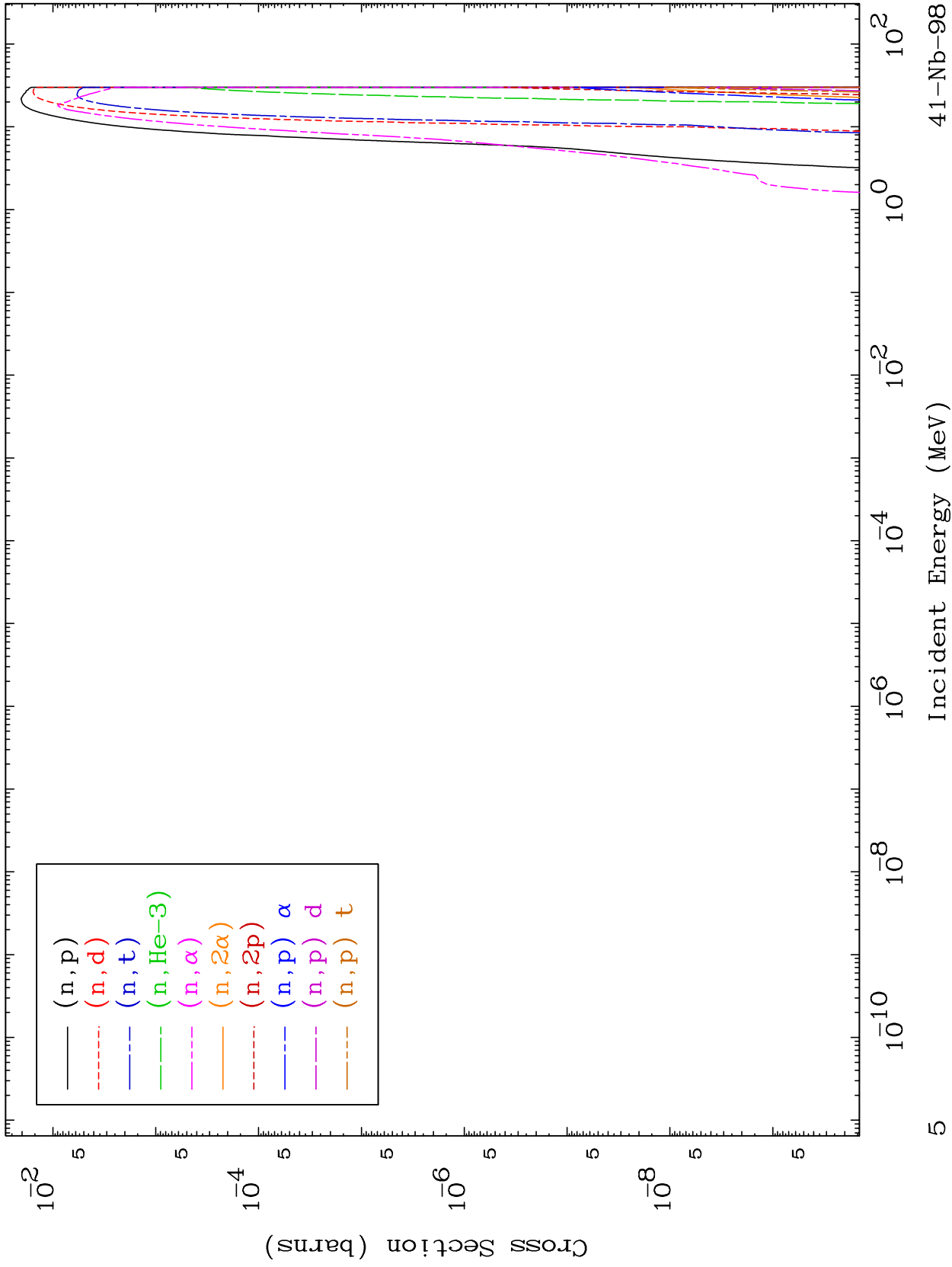




MAT 4141

Charged Particle
293 Kelvin Cross Sections

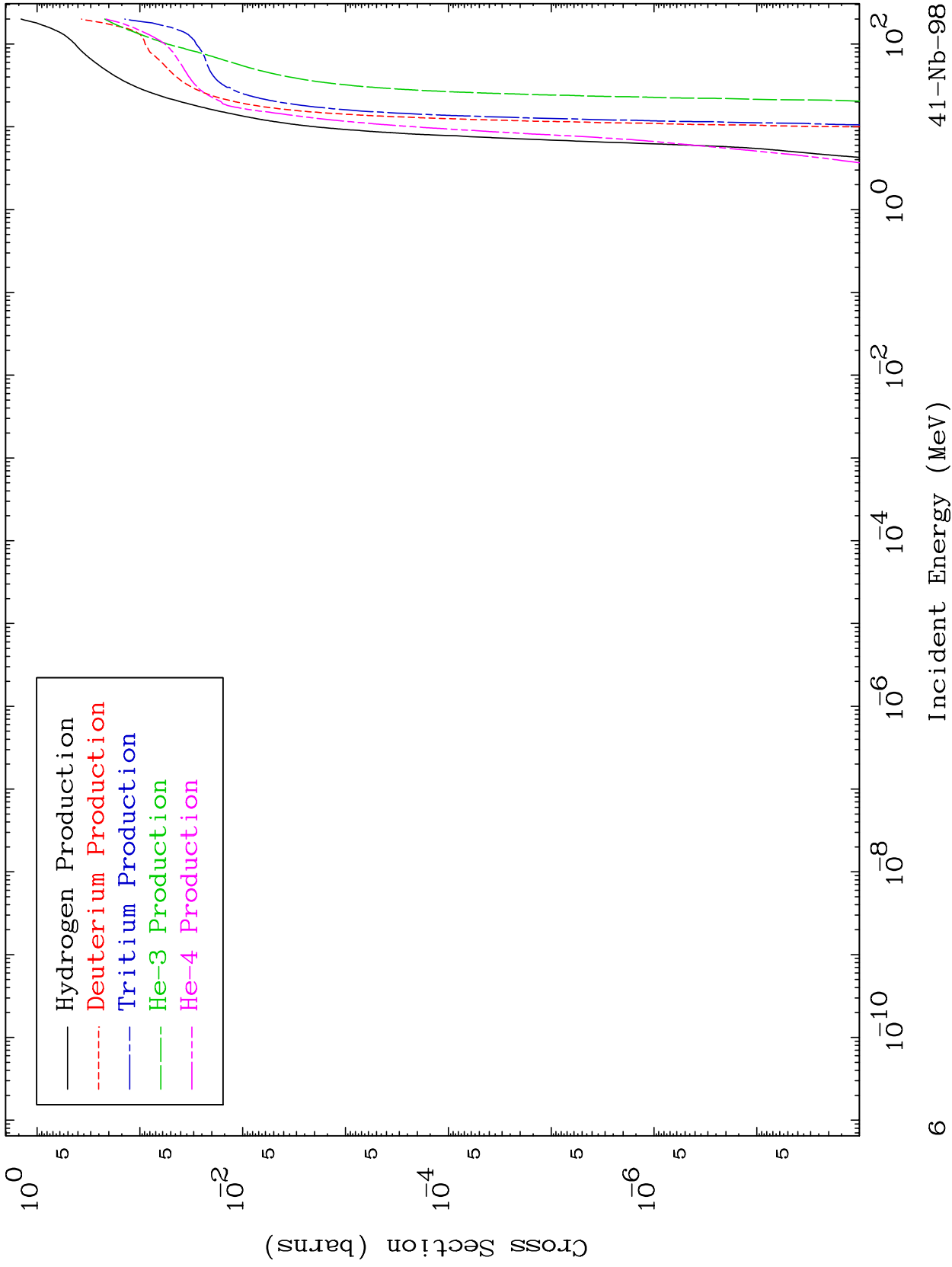
41-Nb-98



MAT 4141

Particle Production
293 Kelvin Cross Sections

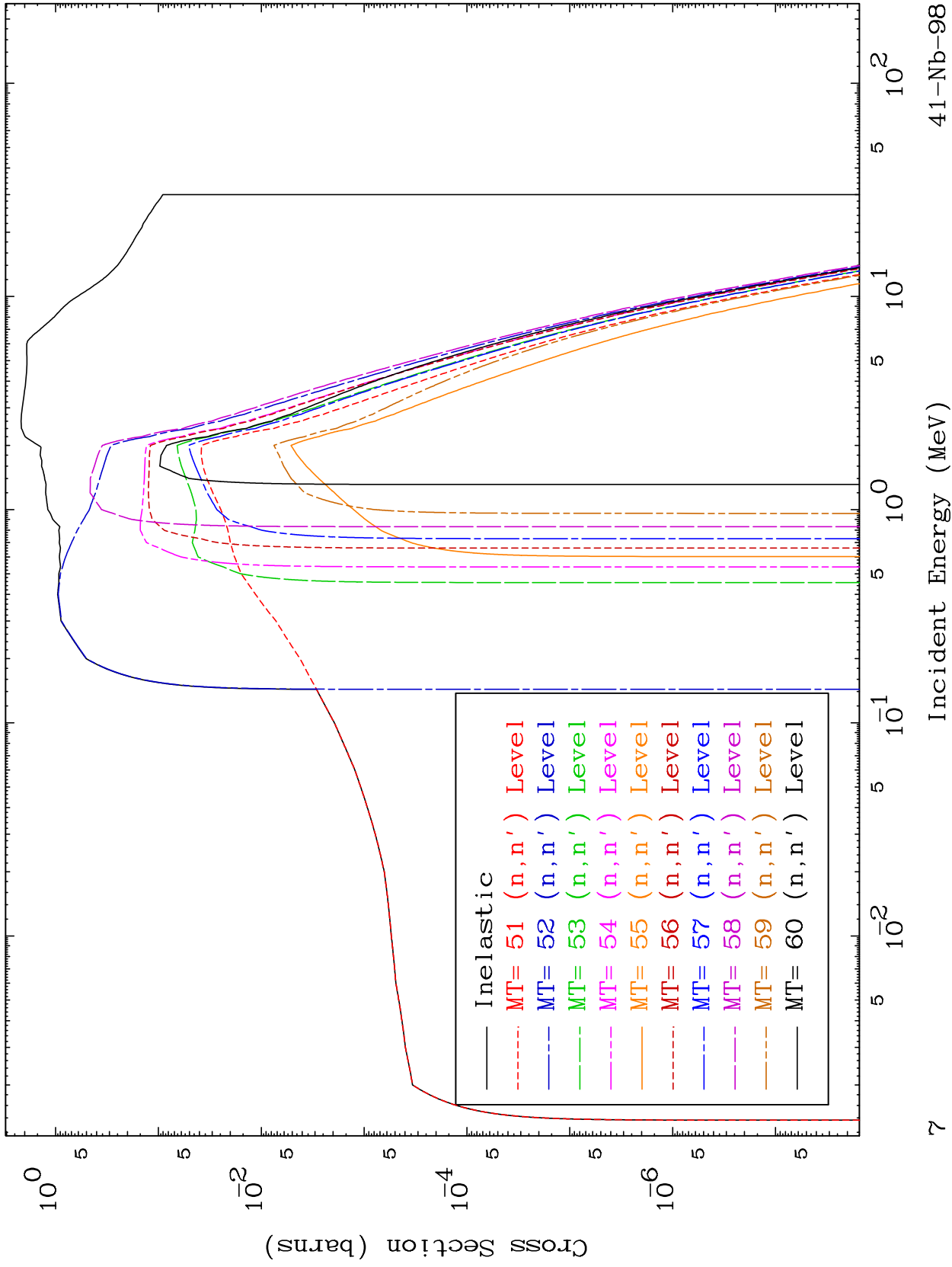
41-Nb-98



MAT 4141

(n,n') Level
293 Kelvin Cross Sections

41-Nb-98

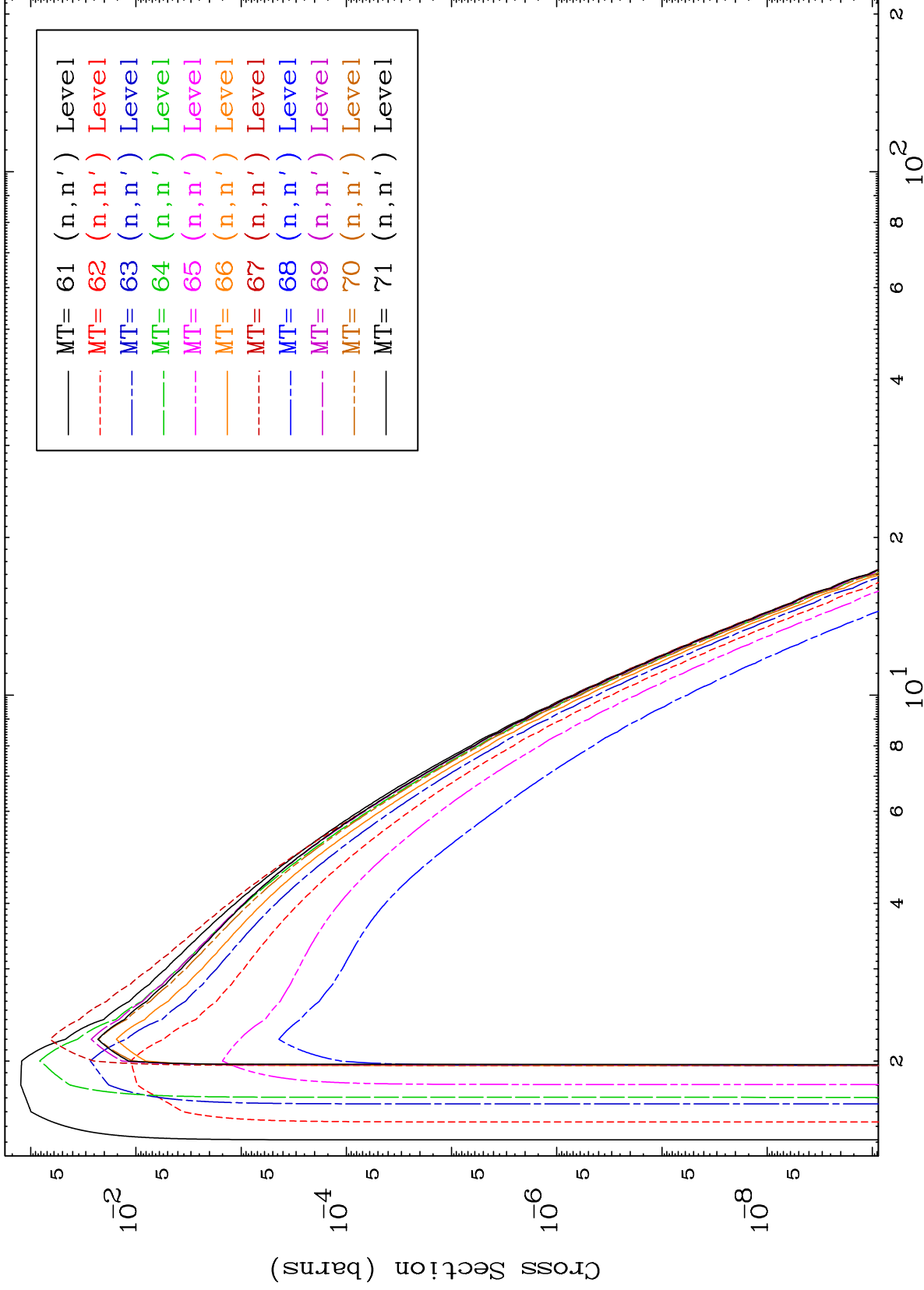


MAT 4141

(n,n') Level

41-Nb-98

293 Kelvin Cross Sections



8

Incident Energy (MeV)

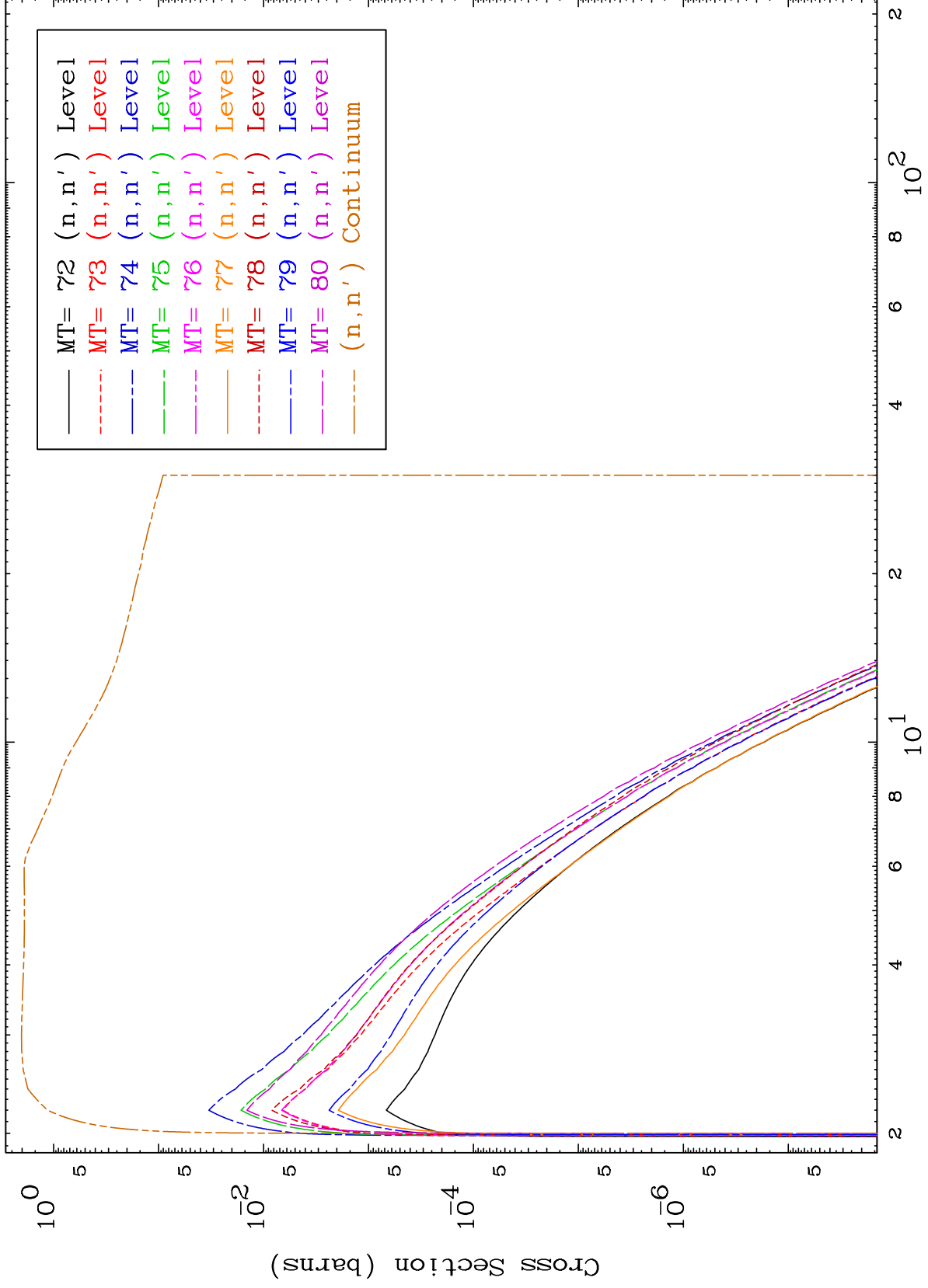
41-Nb-98

MAT 4141

(n,n') Level

41-Nb-98

293 Kelvin Cross Sections



9

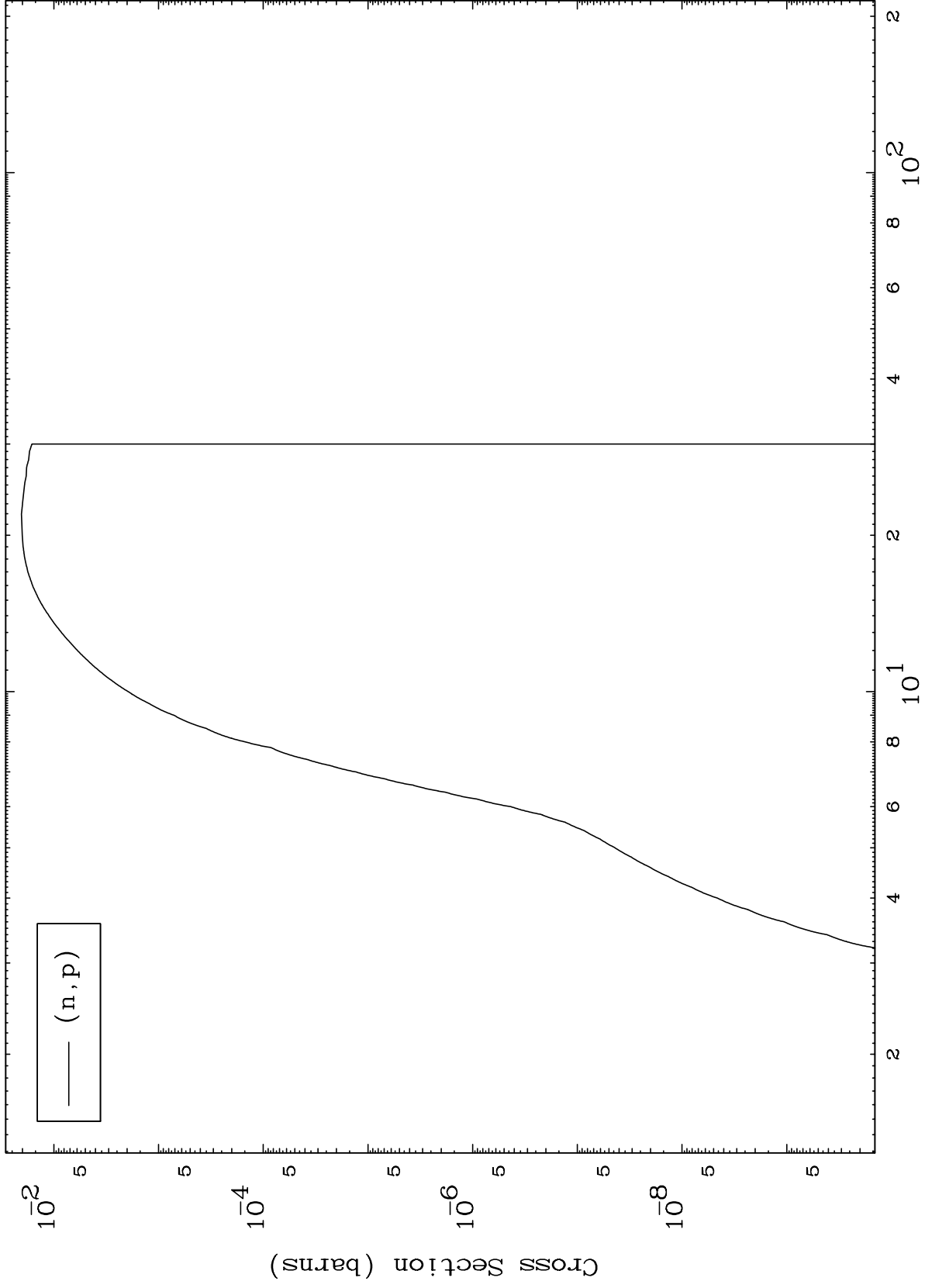
Incident Energy (MeV)

41-Nb-98

MAT 4141

(n,p) Levels
293 Kelvin Cross Sections

41-Nb-98



10

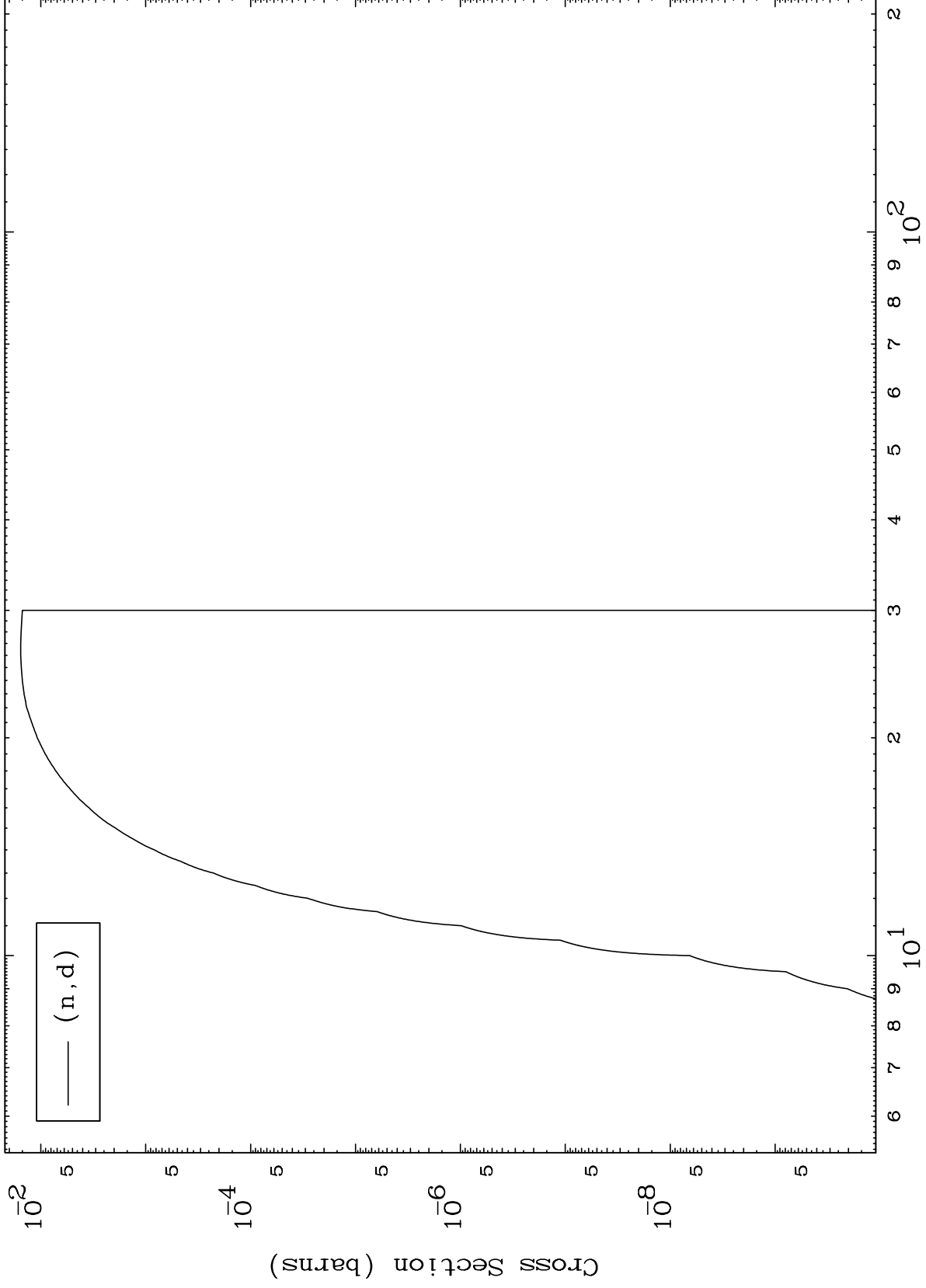
Incident Energy (MeV)

41-Nb-98

MAT 4141

(n,d) Levels
293 Kelvin Cross Sections

41-Nb-98



11

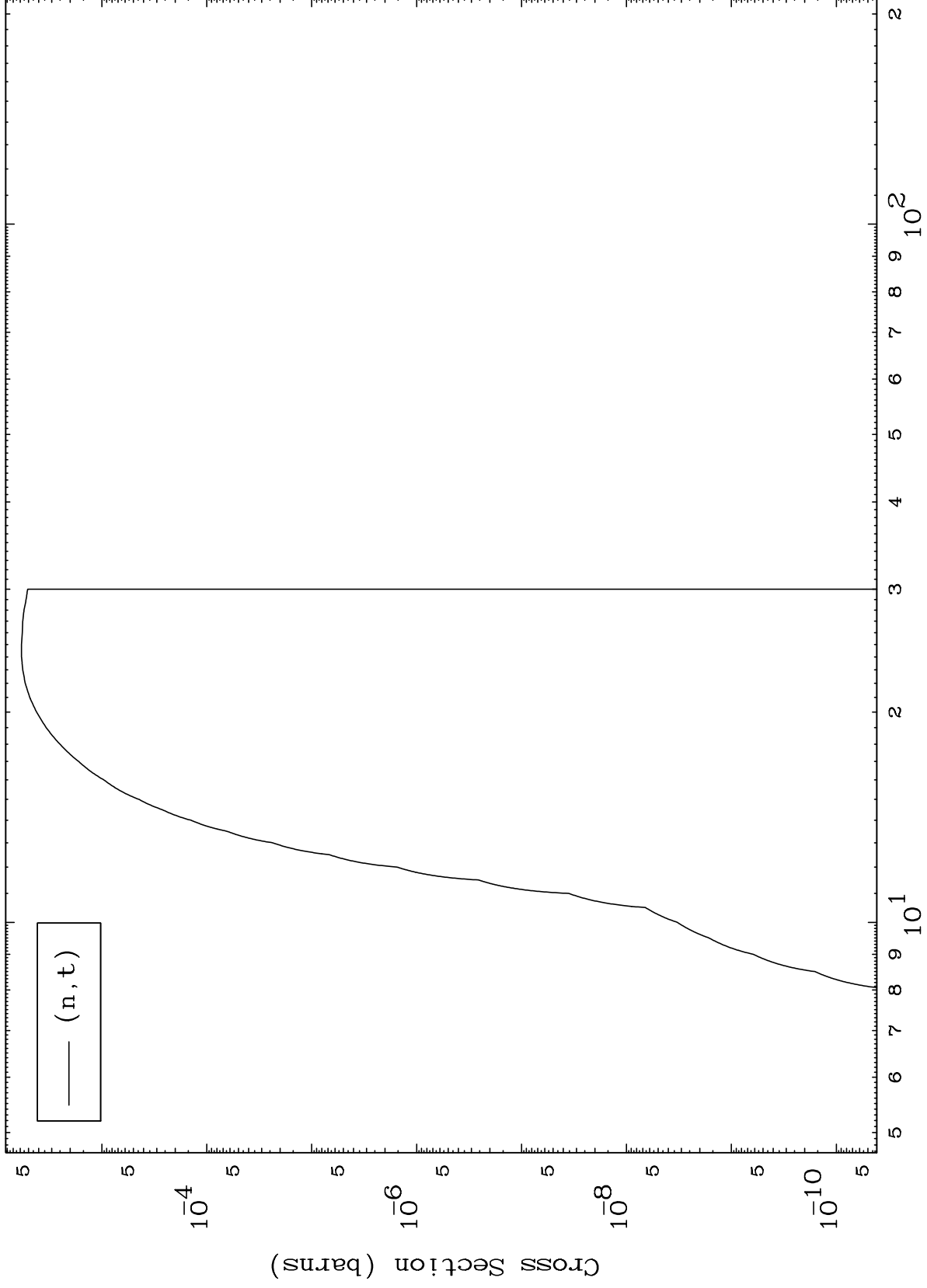
Incident Energy (MeV)

41-Nb-98

MAT 4141

(n,t) Levels
293 Kelvin Cross Sections

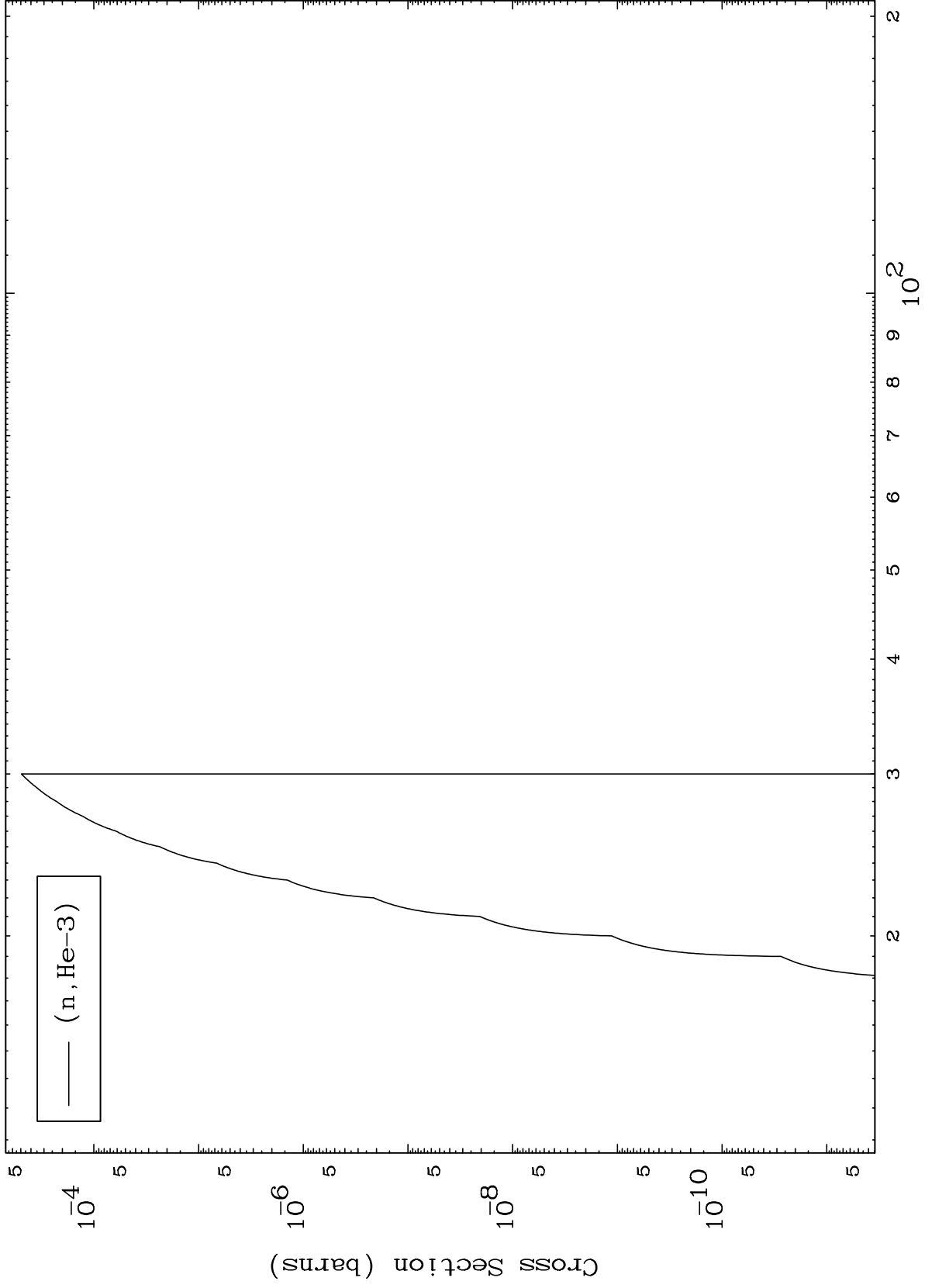
41-Nb-98



12

Incident Energy (MeV)

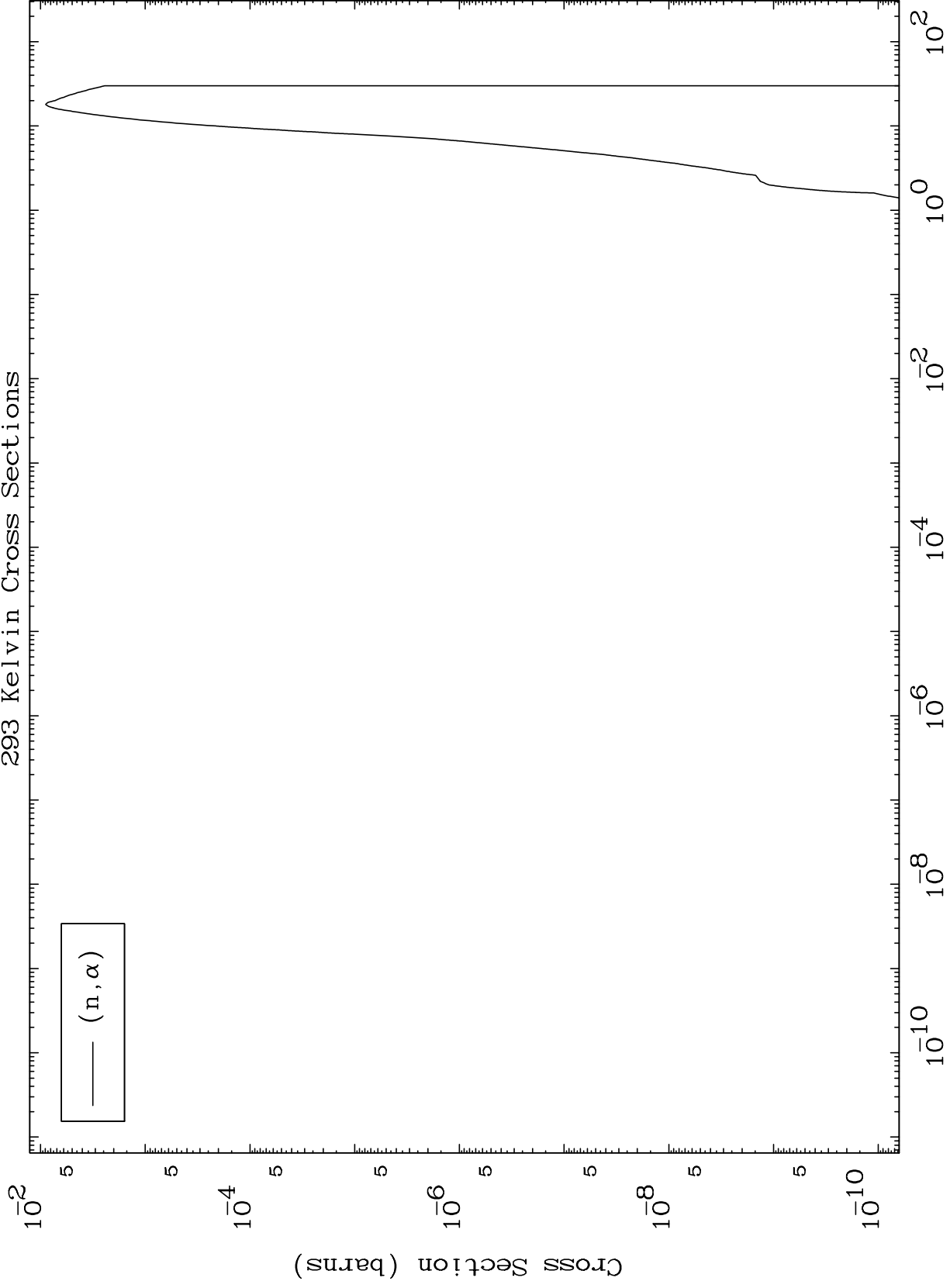
41-Nb-98

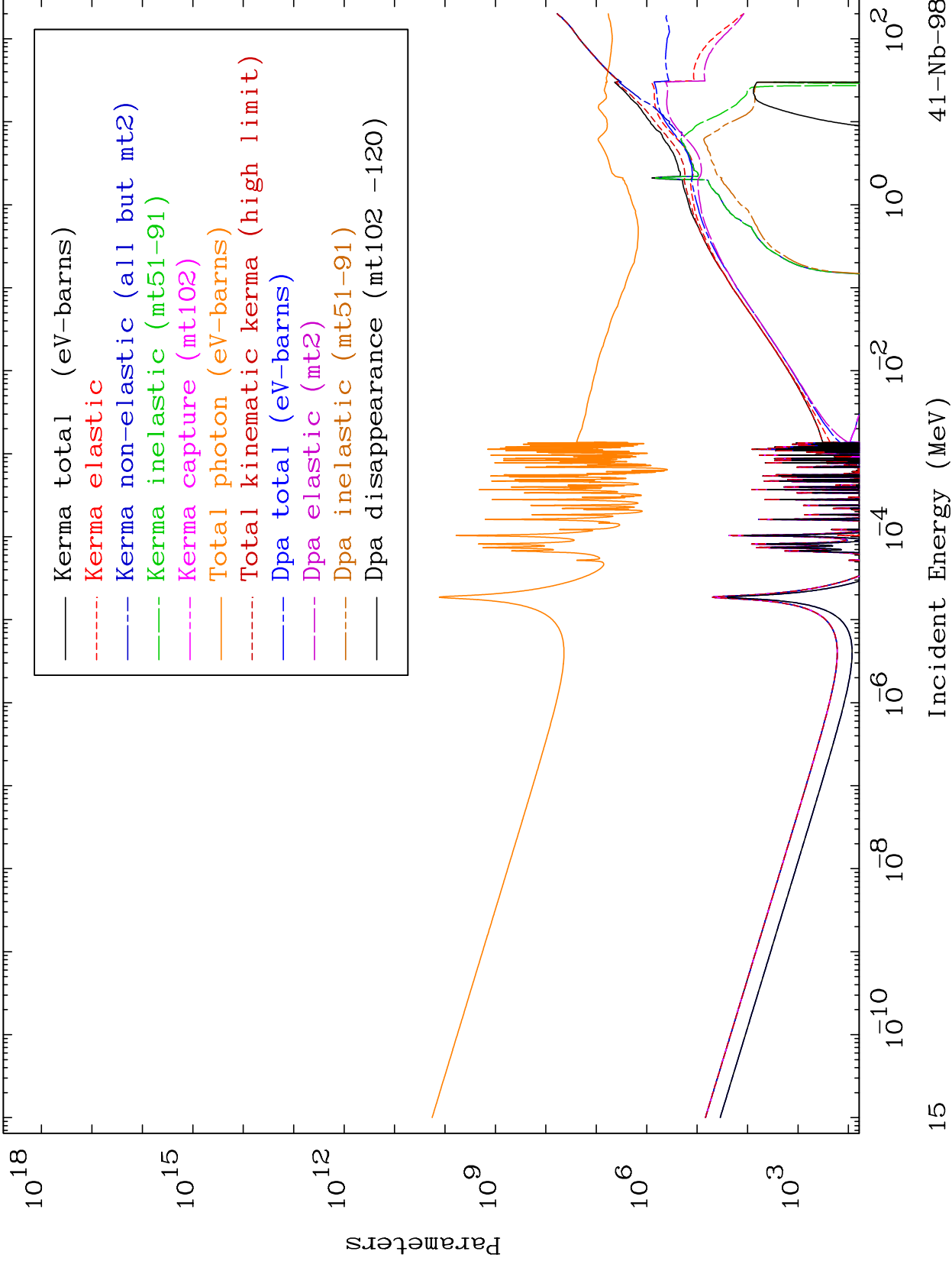


MAT 4141

(n, α) Levels
293 Kelvin Cross Sections

41-Nb-98

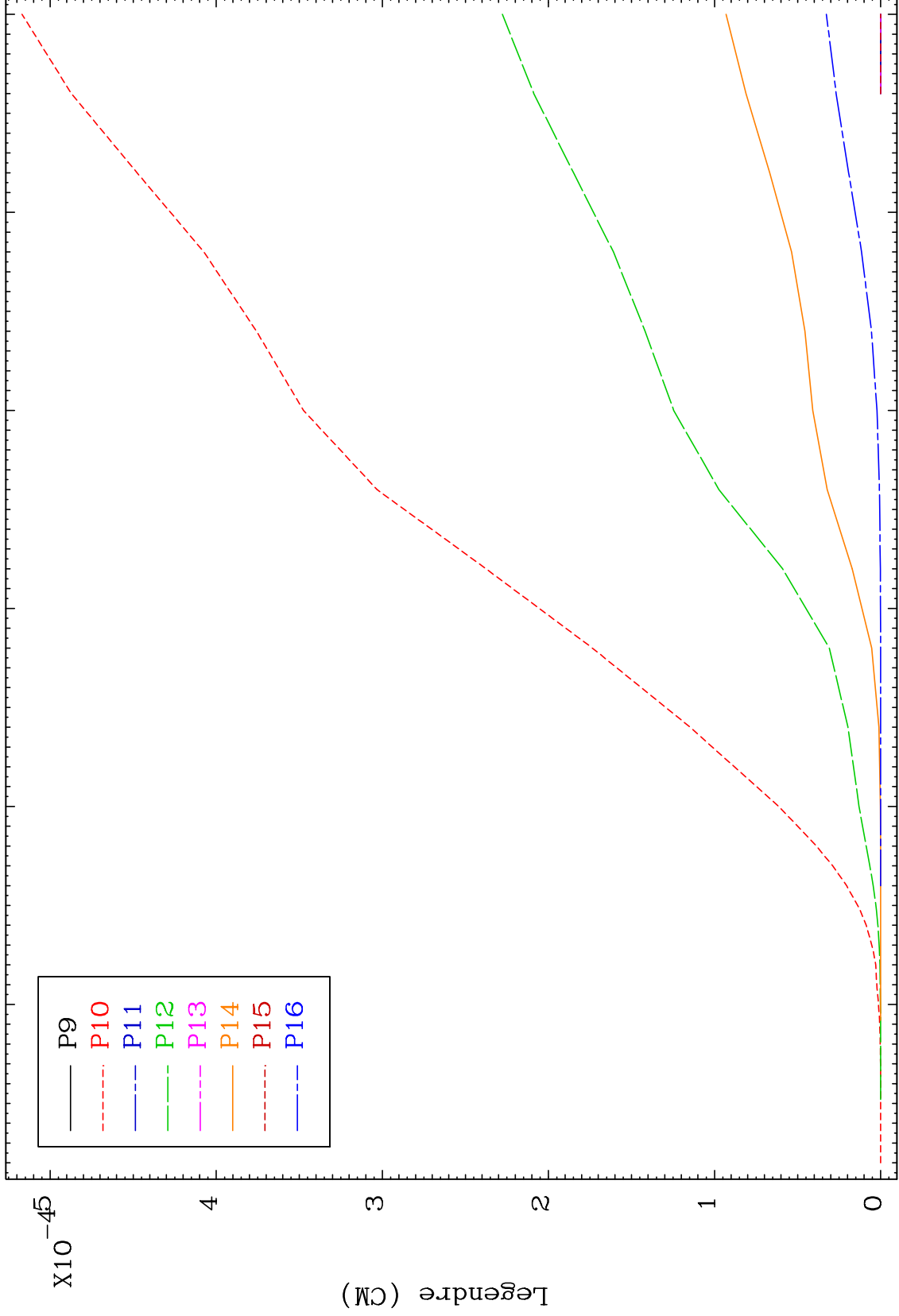




MAT 4141

Elastic
Legendre Coefficients

41-Nb-98



17

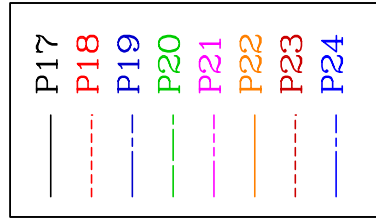
Incident Energy (MeV)

41-Nb-98

MAT 4141

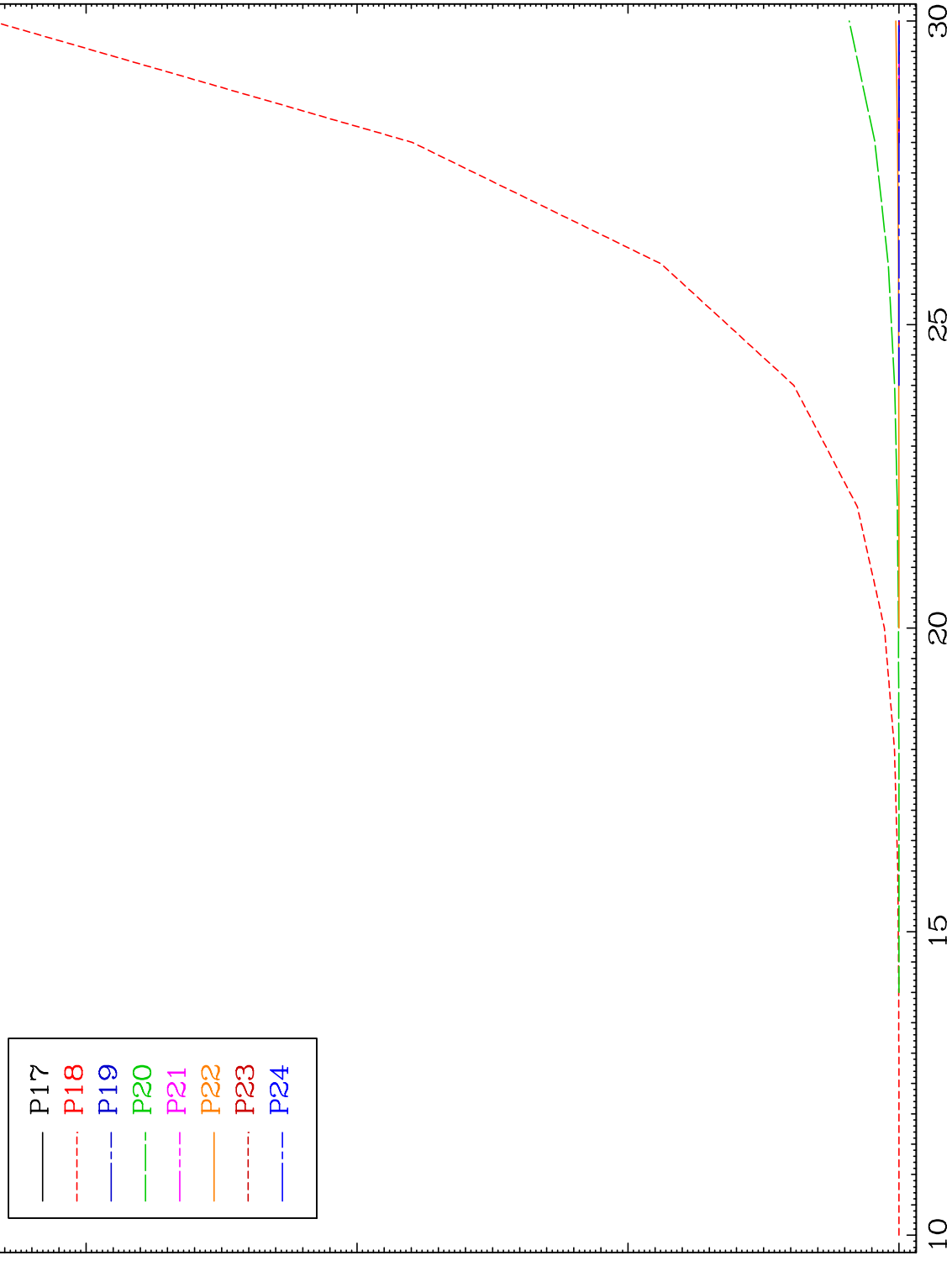
Elastic Legendre Coefficients

41-Nb-98



$\times 10^{-6}$

Legendre (CM)



10

15

20

25

30

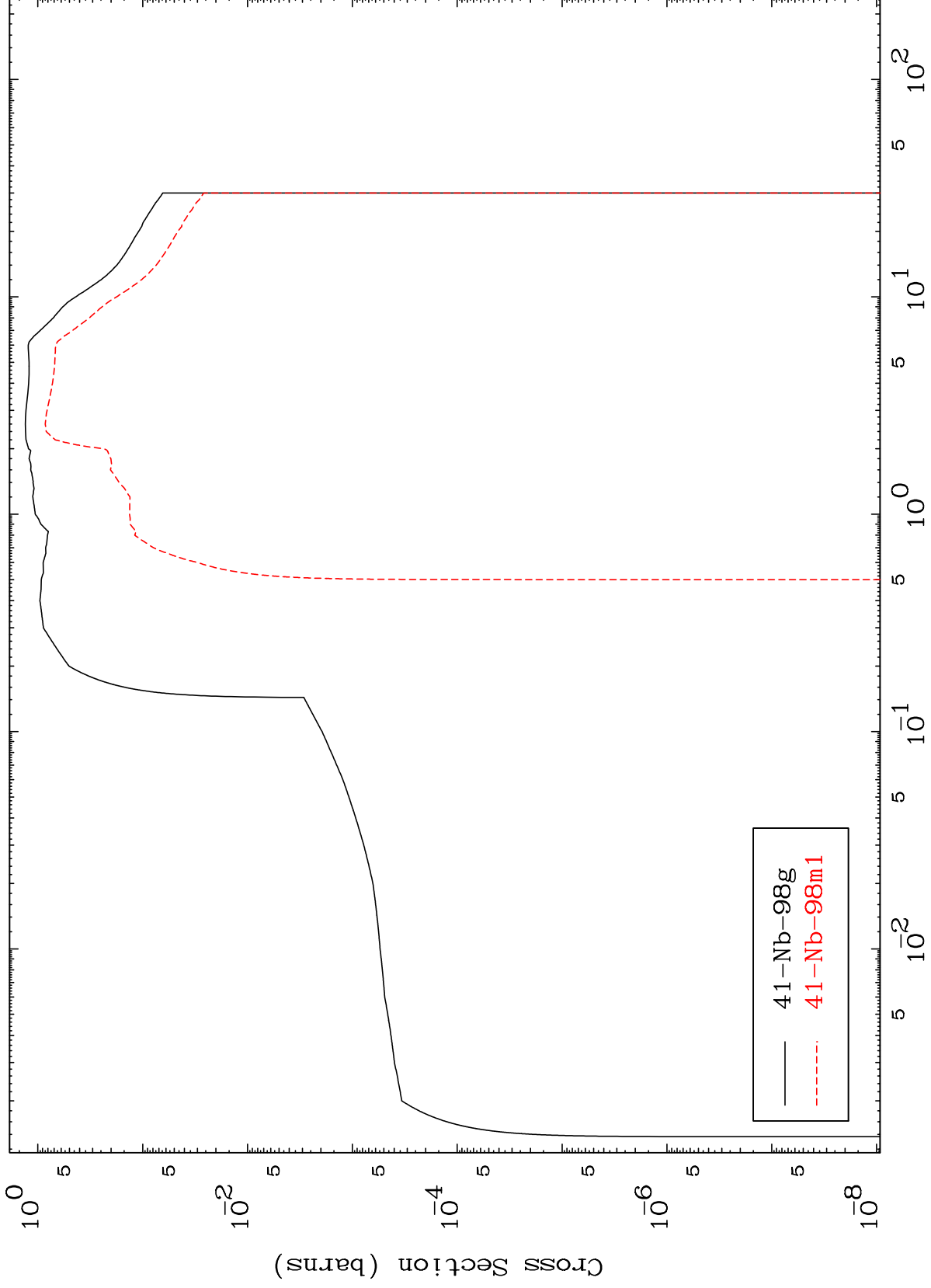
Incident Energy (MeV)

41-Nb-98

MAT 4141

41-Nb-98

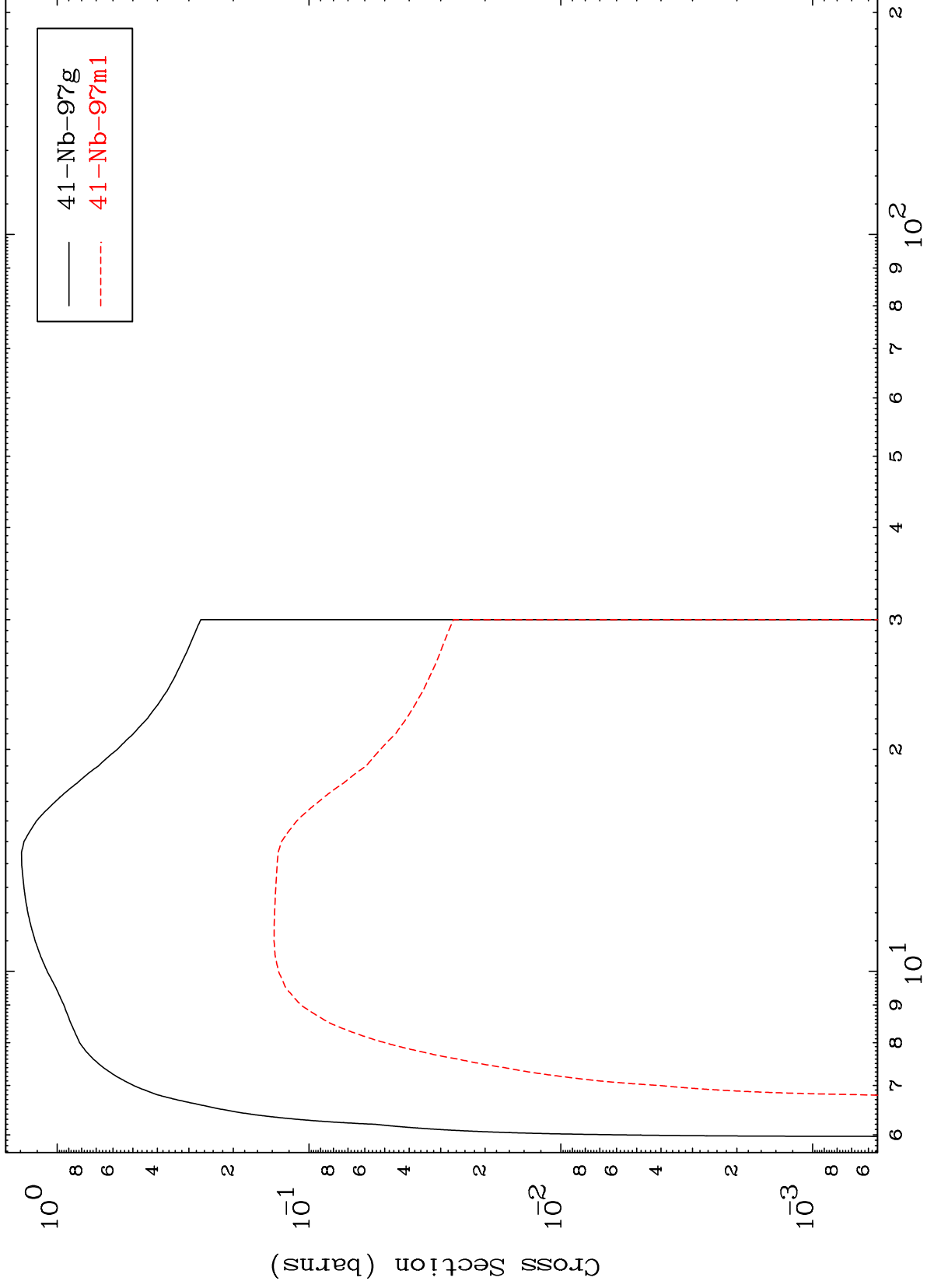
Inelastic
Radionuclide Production Cross Section



MAT 4141

41-Nb-98

(n,2n)
Radionuclide Production Cross Section



20

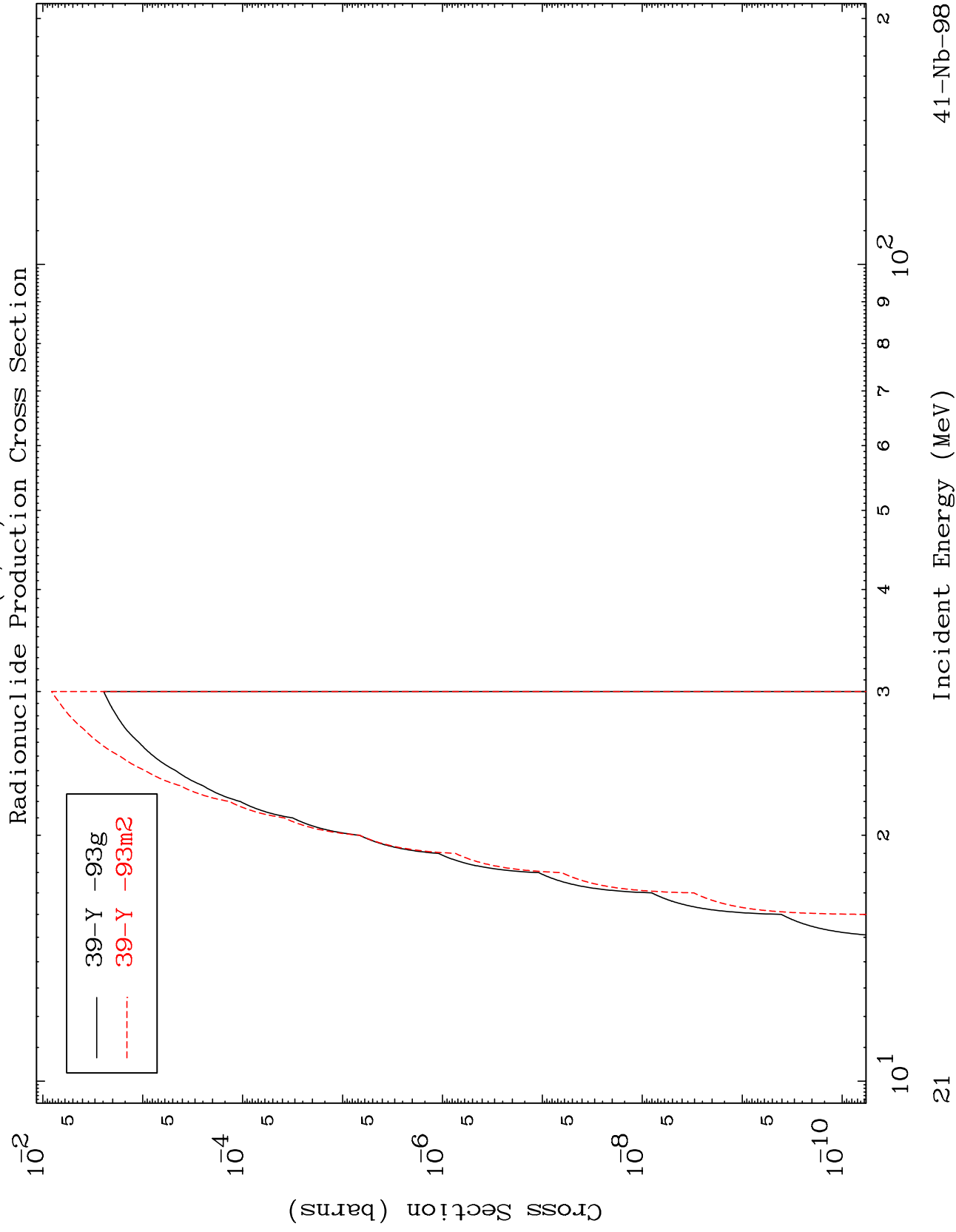
Incident Energy (MeV)

41-Nb-98

MAT 4141

(n,2n) α

41-Nb-98



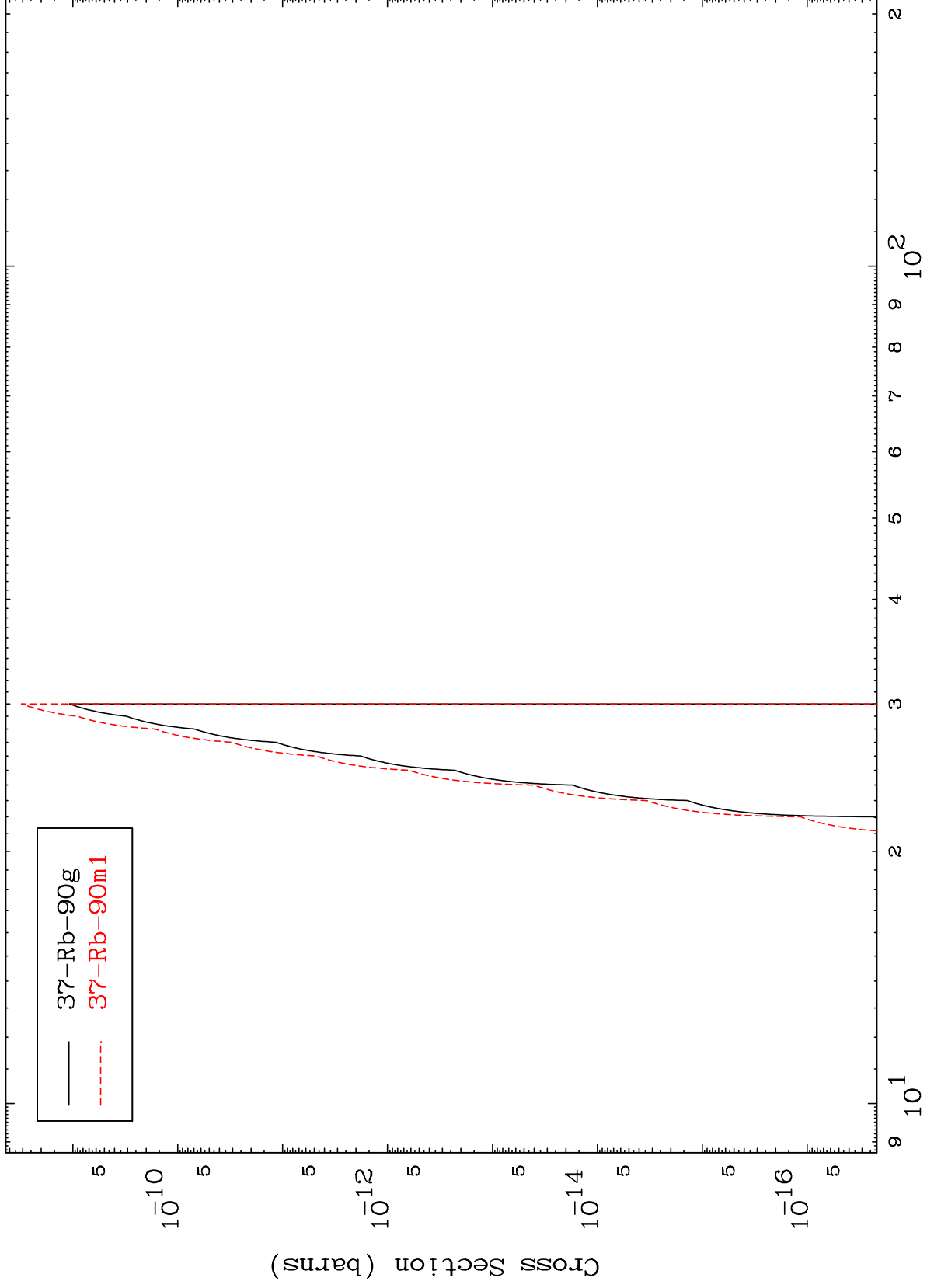
21

MAT 4141

(n,n') 2α

41-Nb-98

Radionuclide Production Cross Section



22

Incident Energy (MeV)

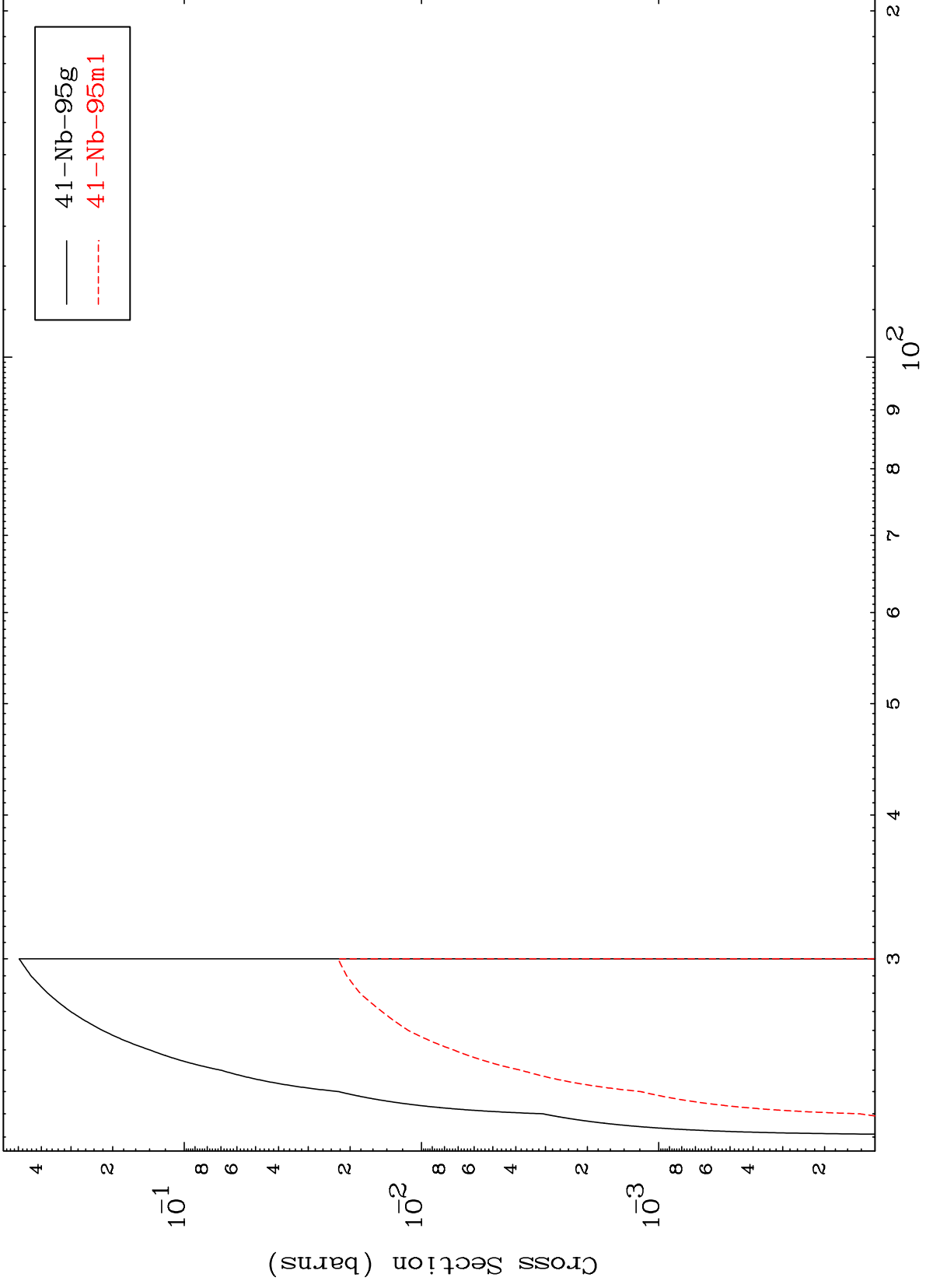
41-Nb-98

MAT 4141

(n,4n)

41-Nb-98

Radionuclide Production Cross Section



23

Incident Energy (MeV)

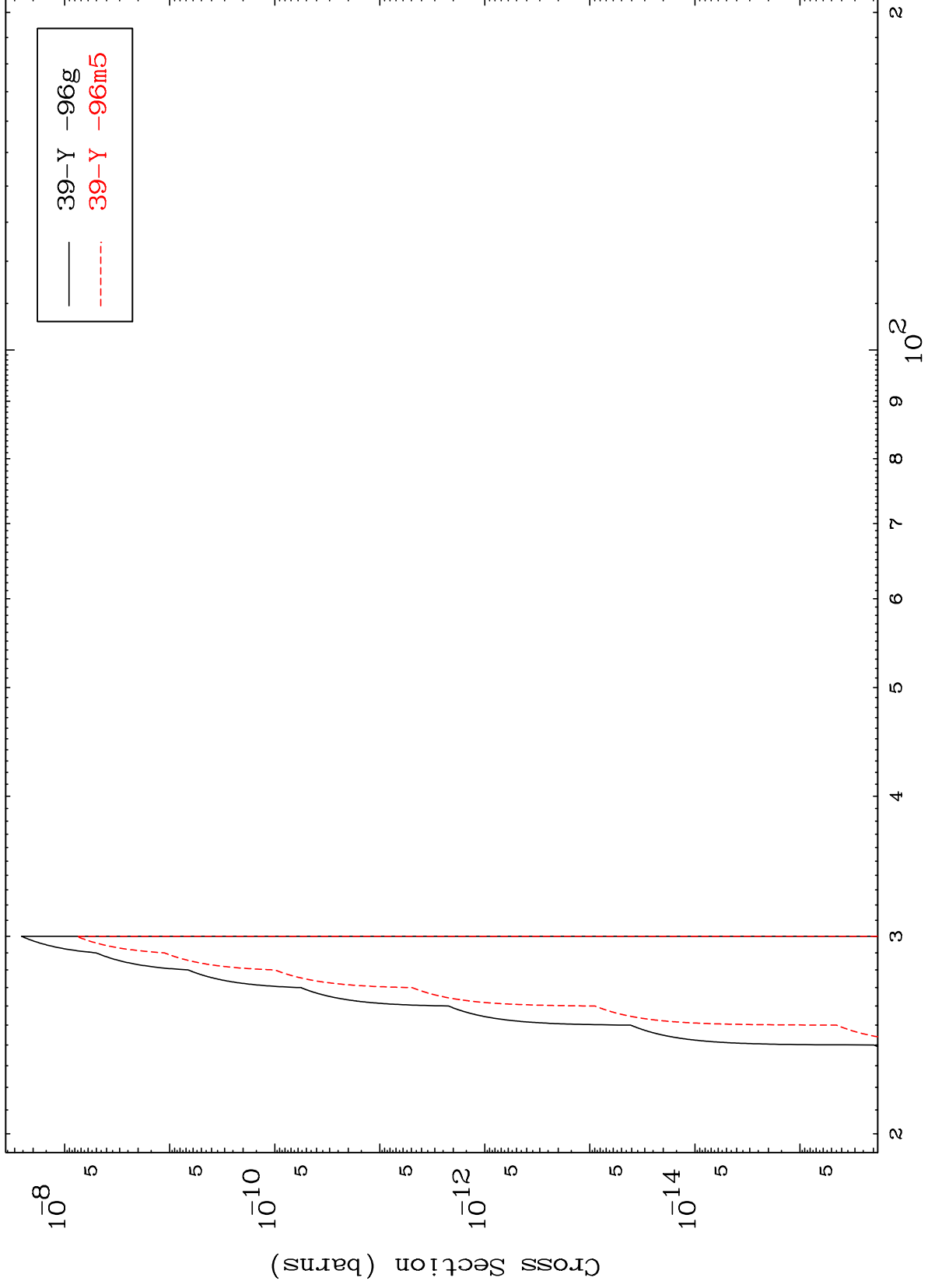
41-Nb-98

MAT 4141

(n,2n) p

41-Nb-98

Radionuclide Production Cross Section



24

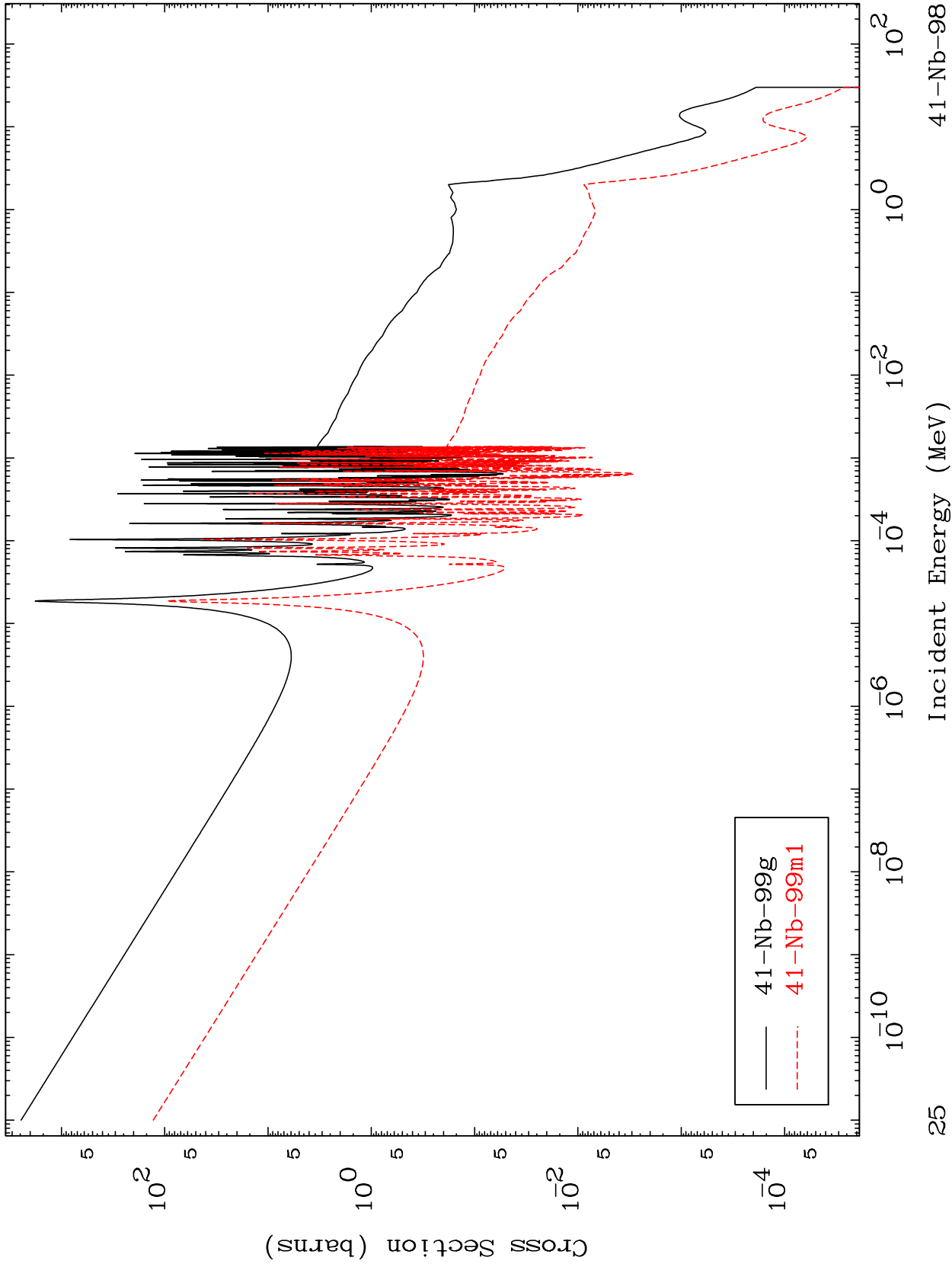
Incident Energy (MeV)

41-Nb-98

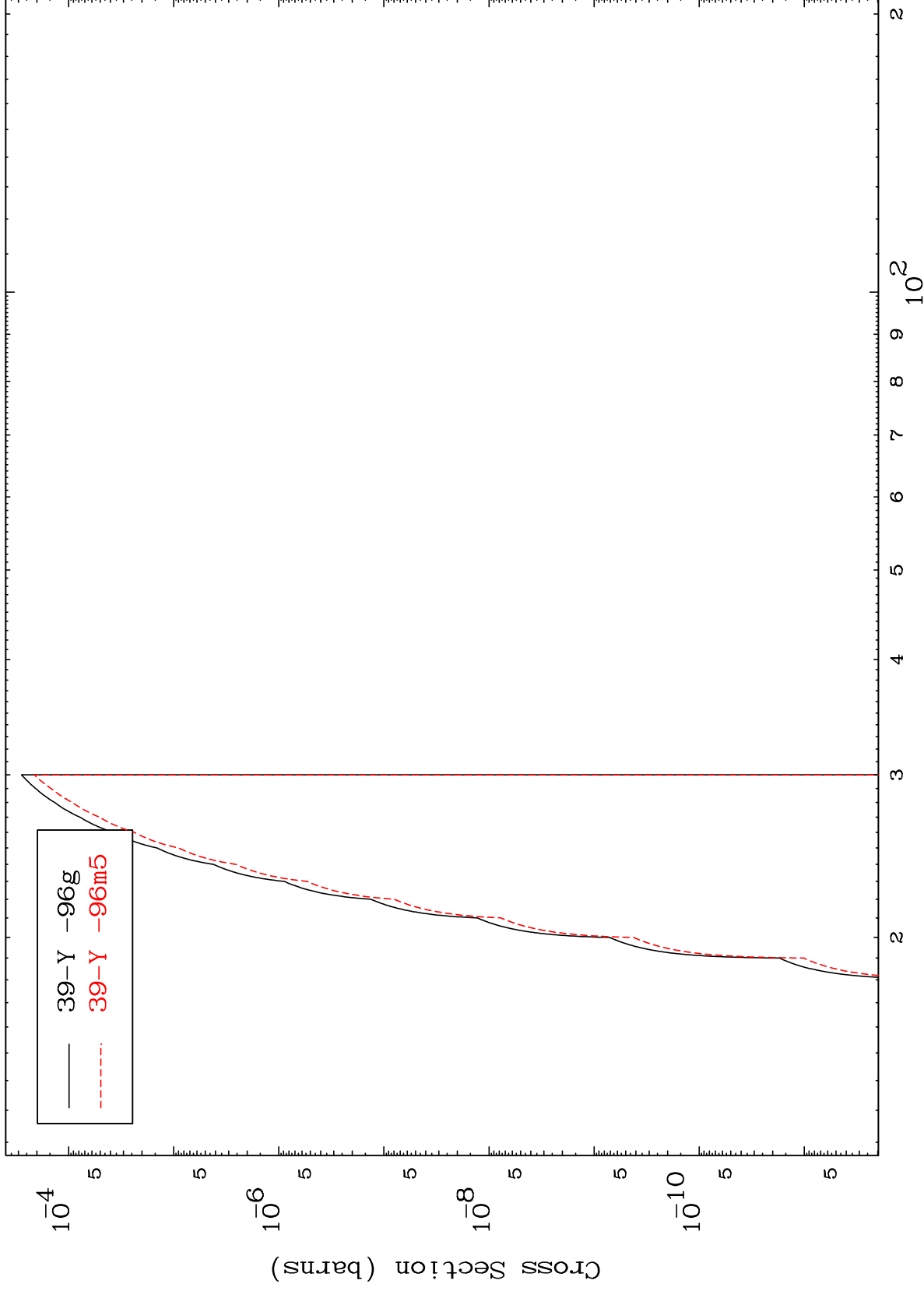
MAT 4141

41-Nb-98

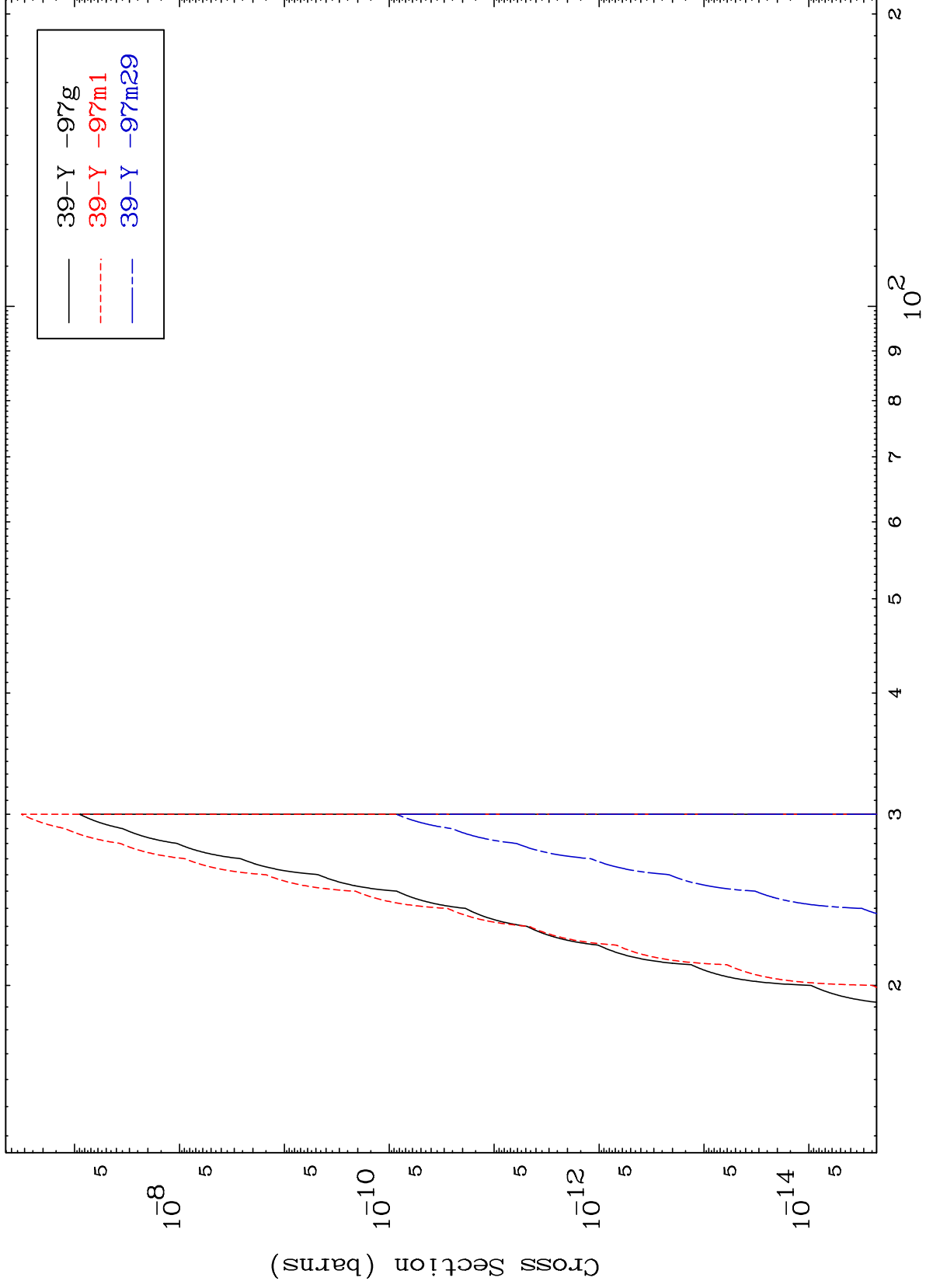
(n, γ)
Radionuclide Production Cross Section



Radionuclide Production Cross Section
(n,He-3)



(n,2p)
Radionuclide Production Cross Section



Radionuclide Production Cross Section

