

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

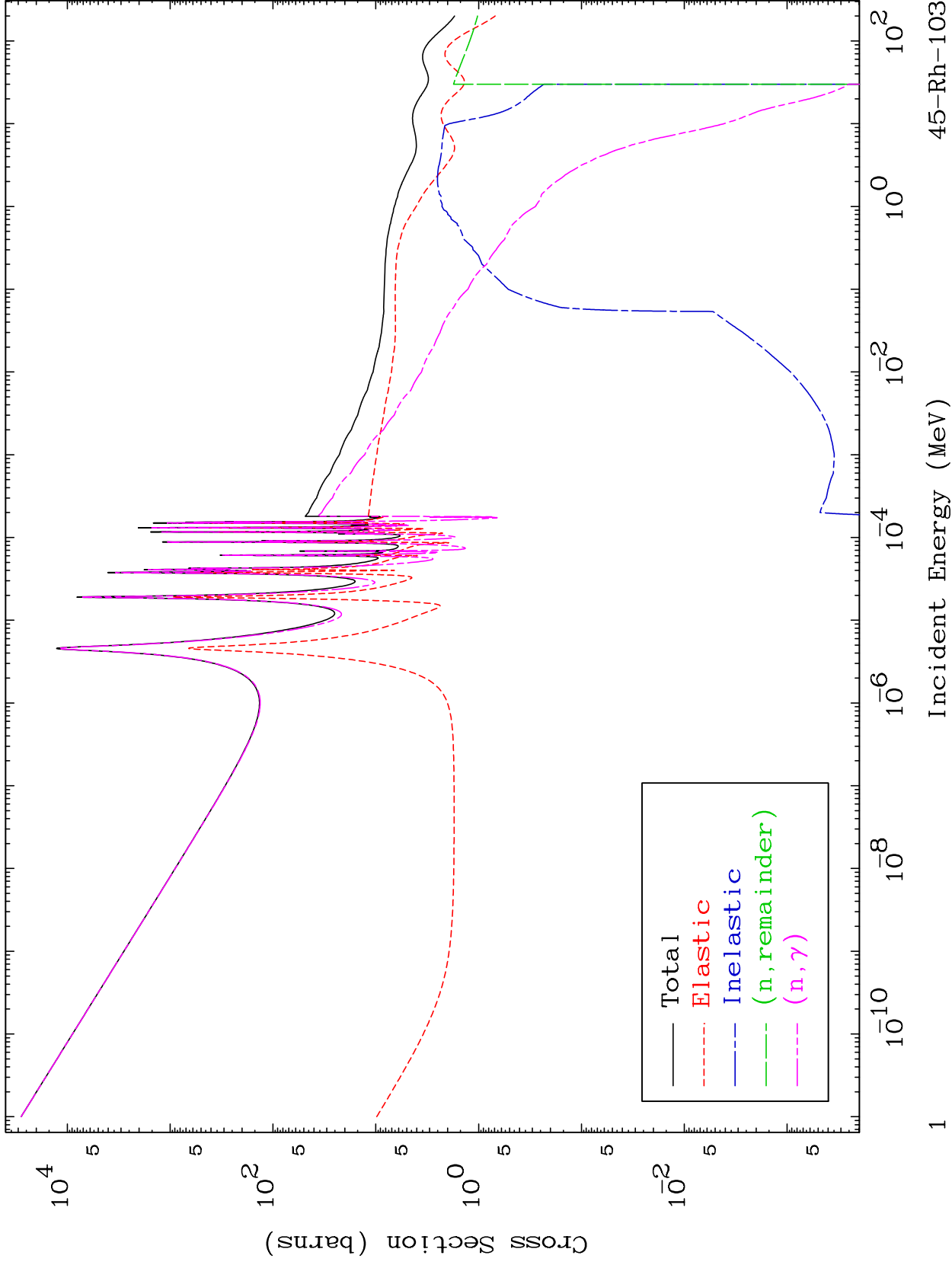
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 4526

Major  
293 Kelvin Cross Sections

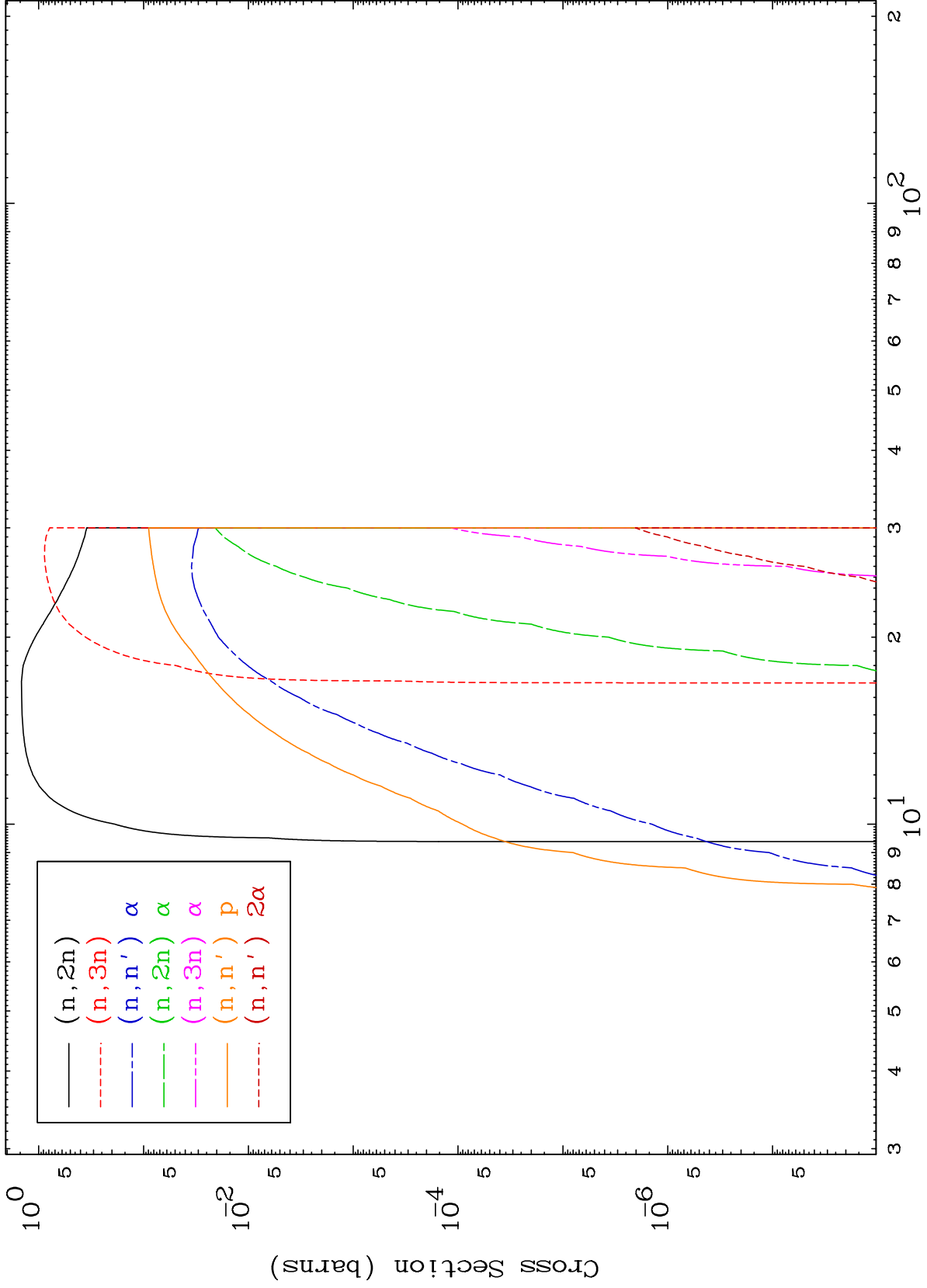
45-Rh-103



MAT 4526

Neutron Production  
293 Kelvin Cross Sections

45-Rh-103



2

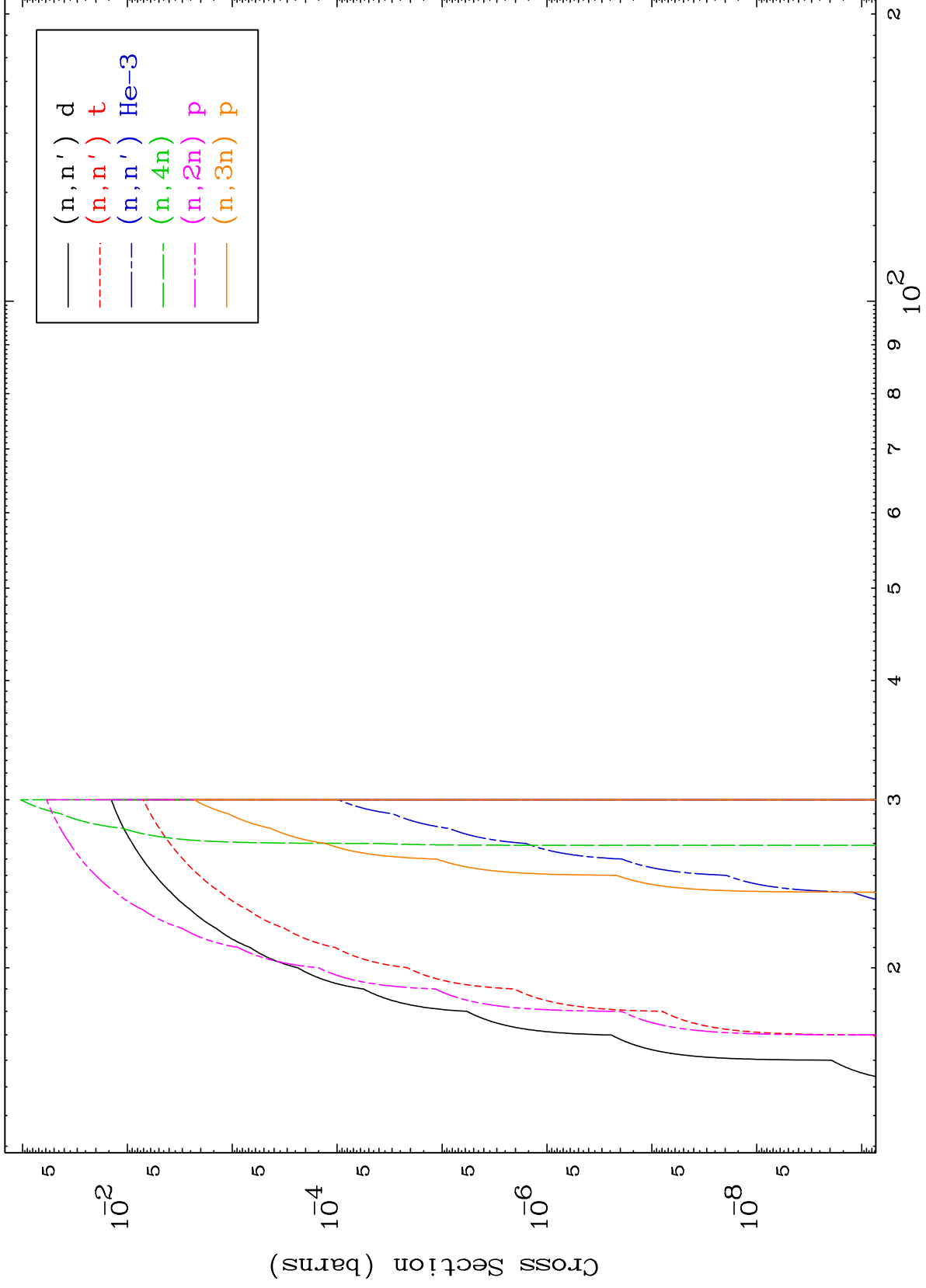
Incident Energy (MeV)

45-Rh-103

MAT 4526

Neutron Production  
293 Kelvin Cross Sections

45-Rh-103



3

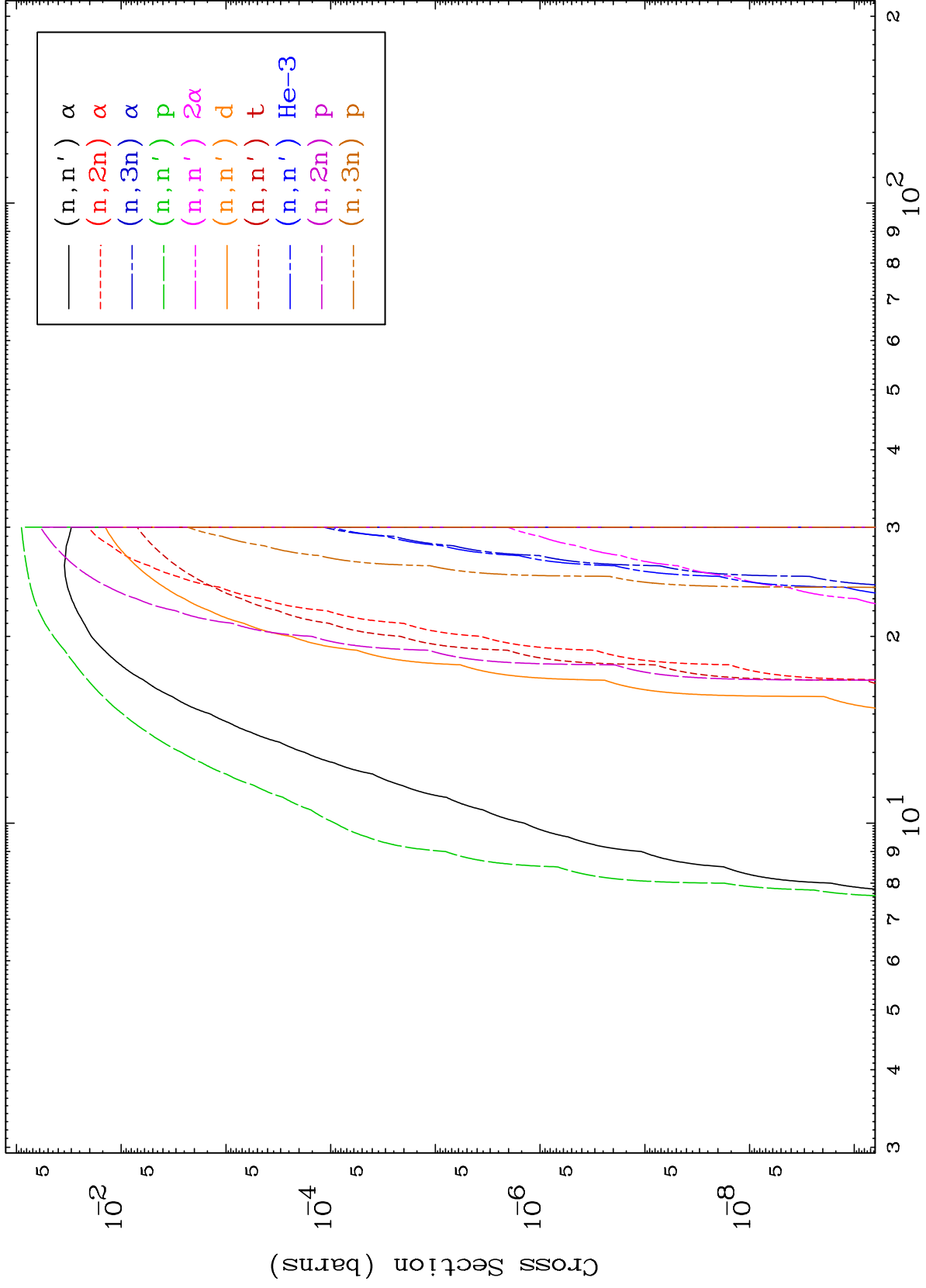
Incident Energy (MeV)

45-Rh-103

MAT 4526

Charged Particle  
293 Kelvin Cross Sections

45-Rh-103



4

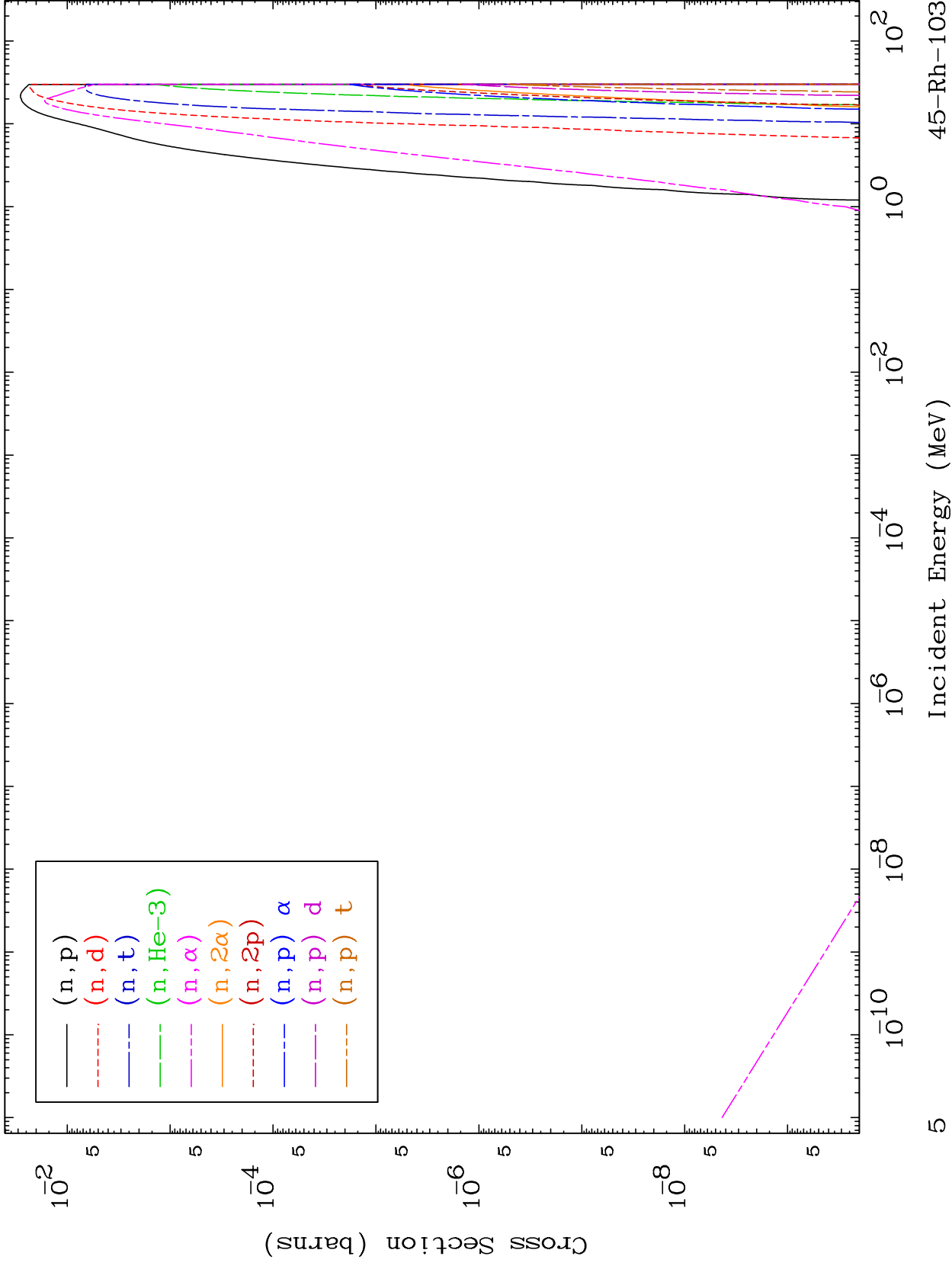
Incident Energy (MeV)

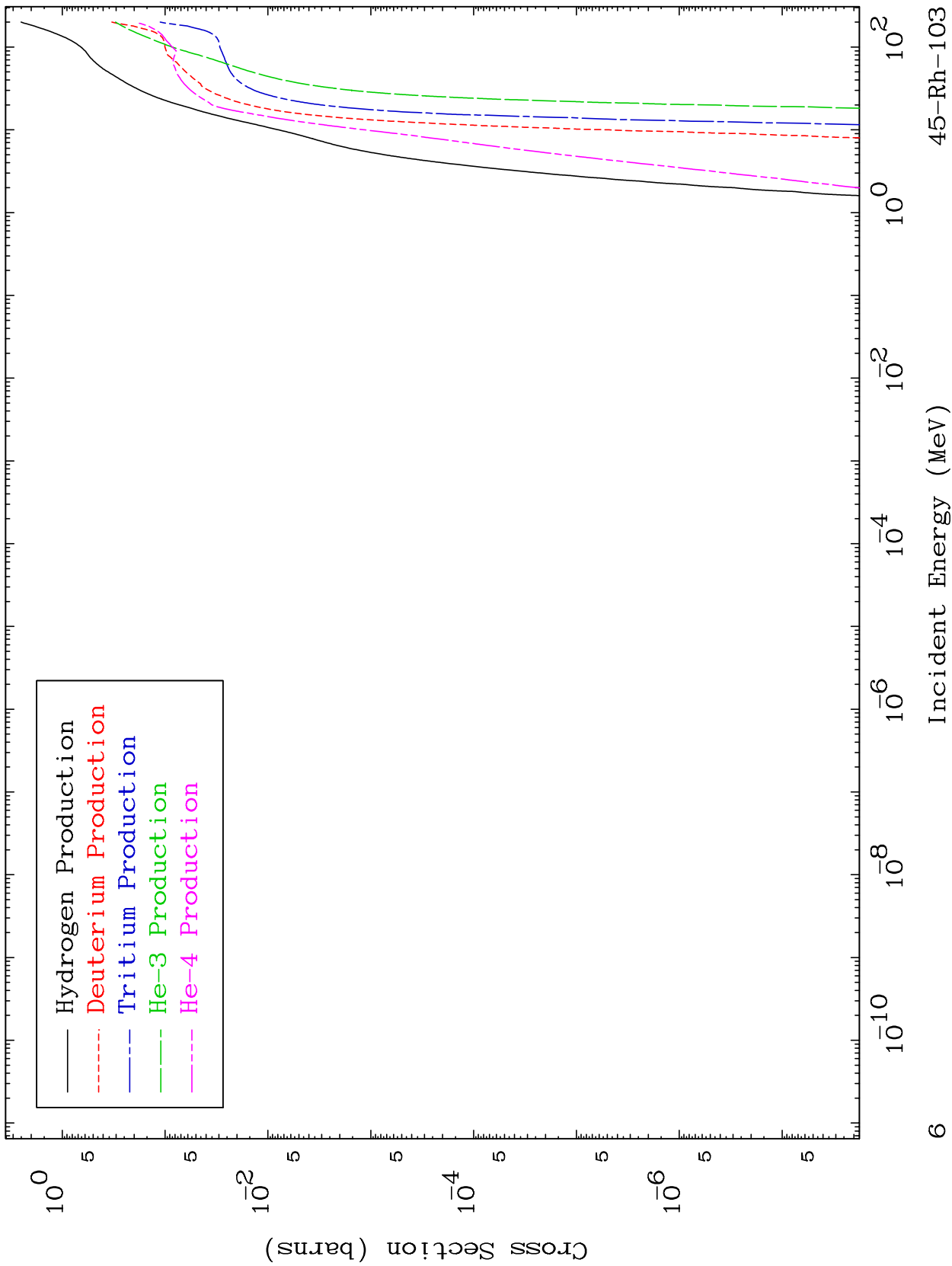
45-Rh-103

MAT 4526

Charged Particle  
293 Kelvin Cross Sections

45-Rh-103

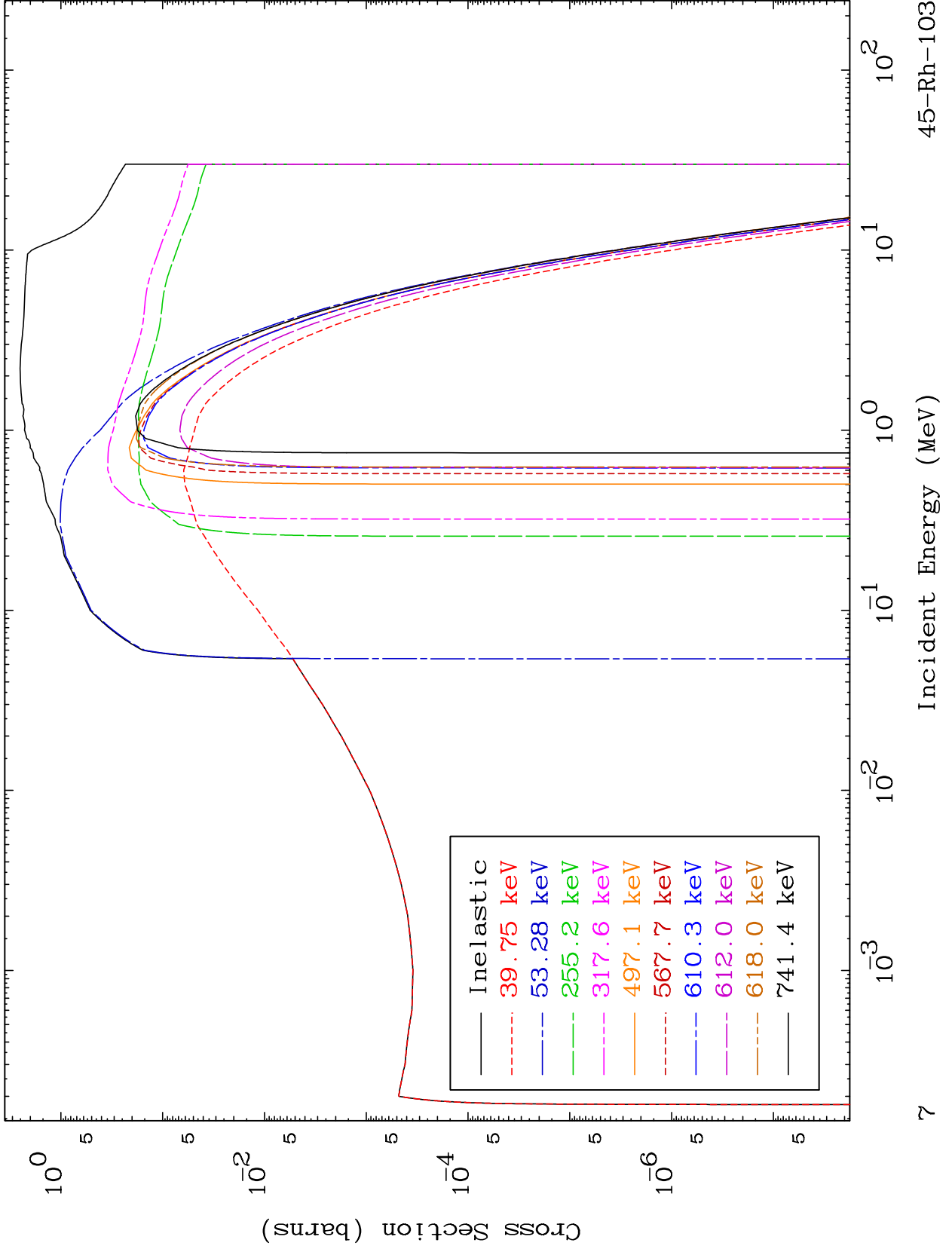




MAT 4526

(n,n') Level  
293 Kelvin Cross Sections

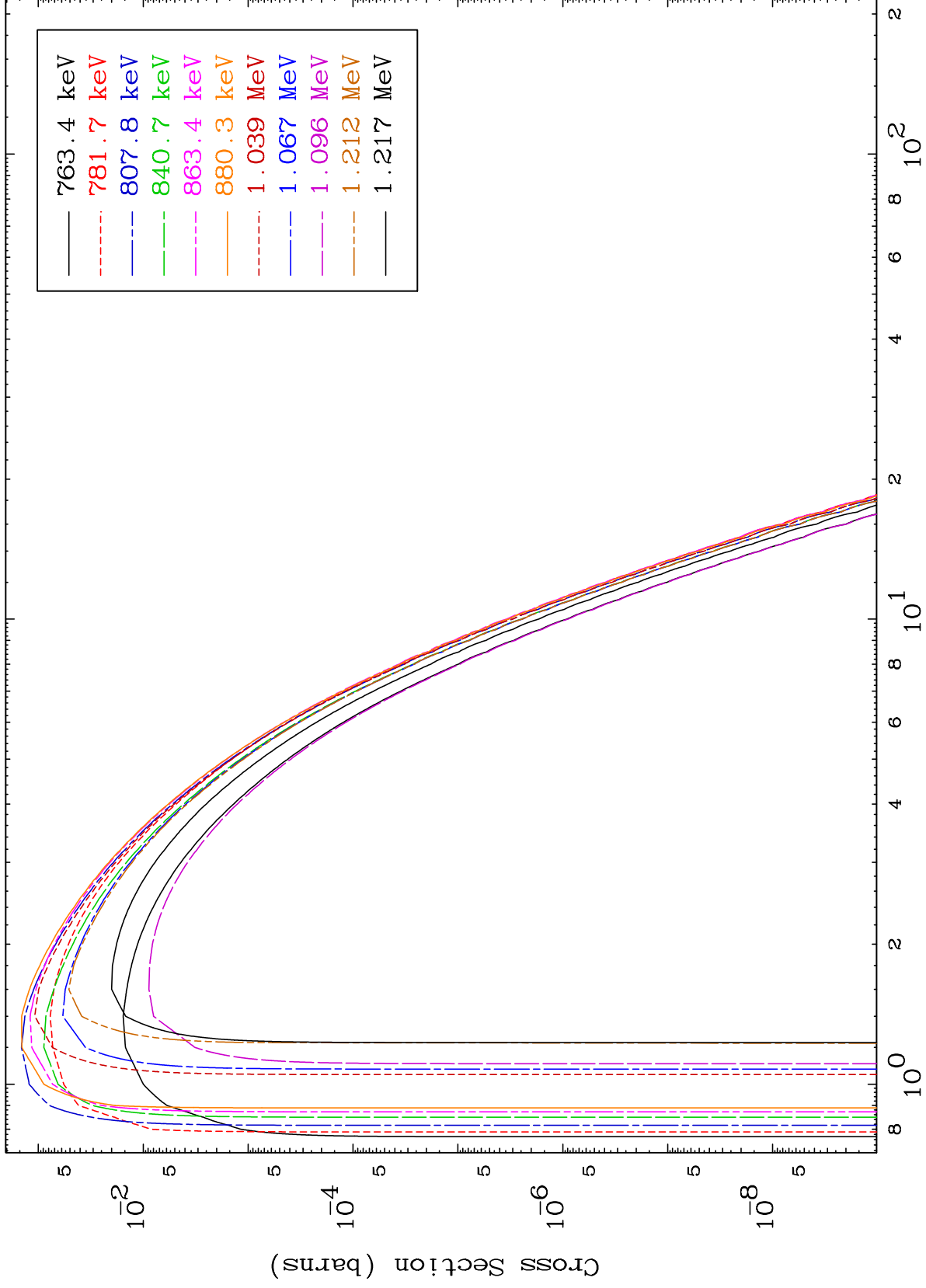
45-Rh-103



MAT 4526

(n,n') Level  
293 Kelvin Cross Sections

45-Rh-103



8

Incident Energy (MeV)

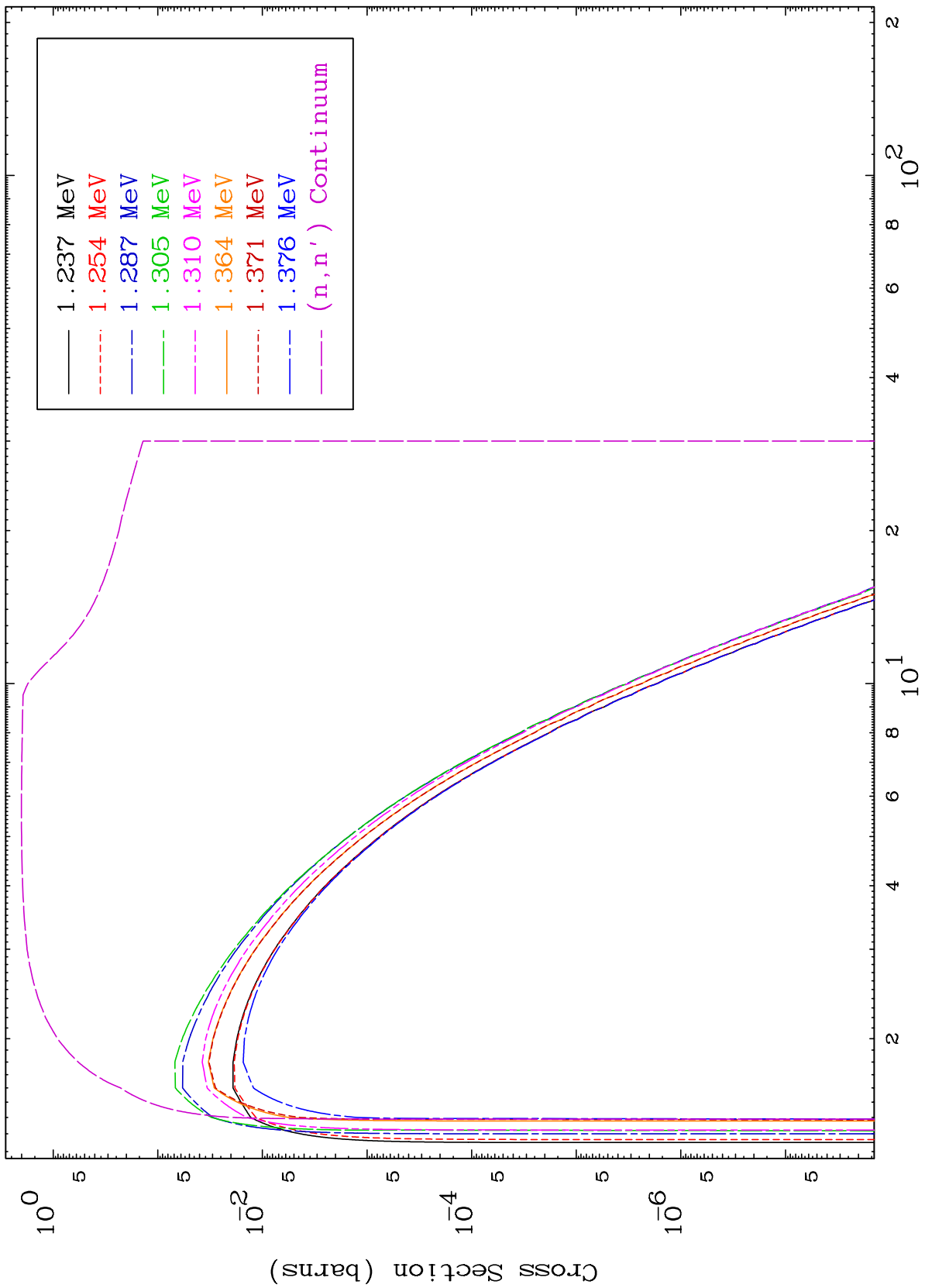
45-Rh-103

MAT 4526

(n,n') Level

45-Rh-103

293 Kelvin Cross Sections



9

Incident Energy (MeV)

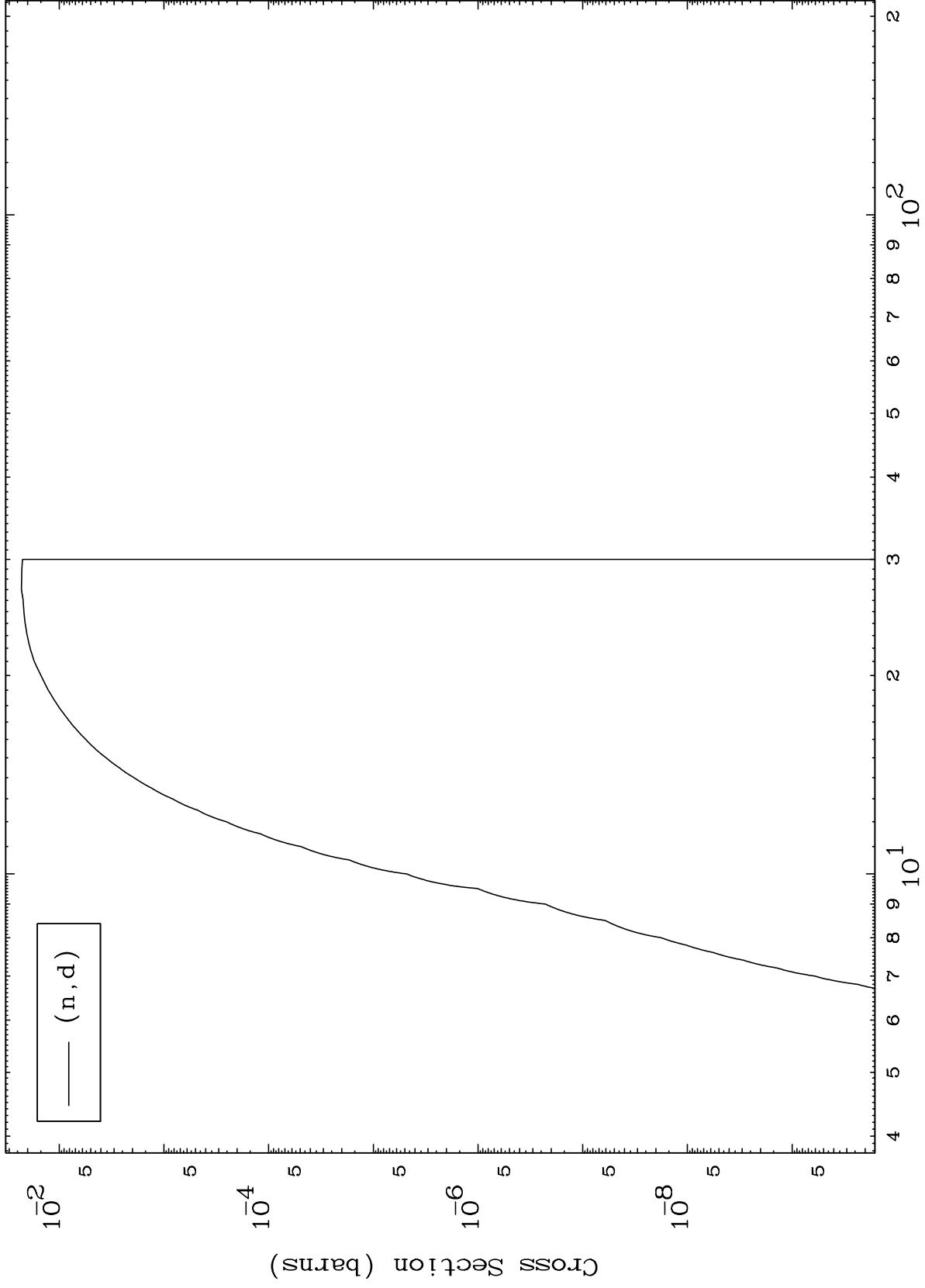
45-Rh-103



MAT 4526

(n,d) Levels  
293 Kelvin Cross Sections

45-Rh-103



11

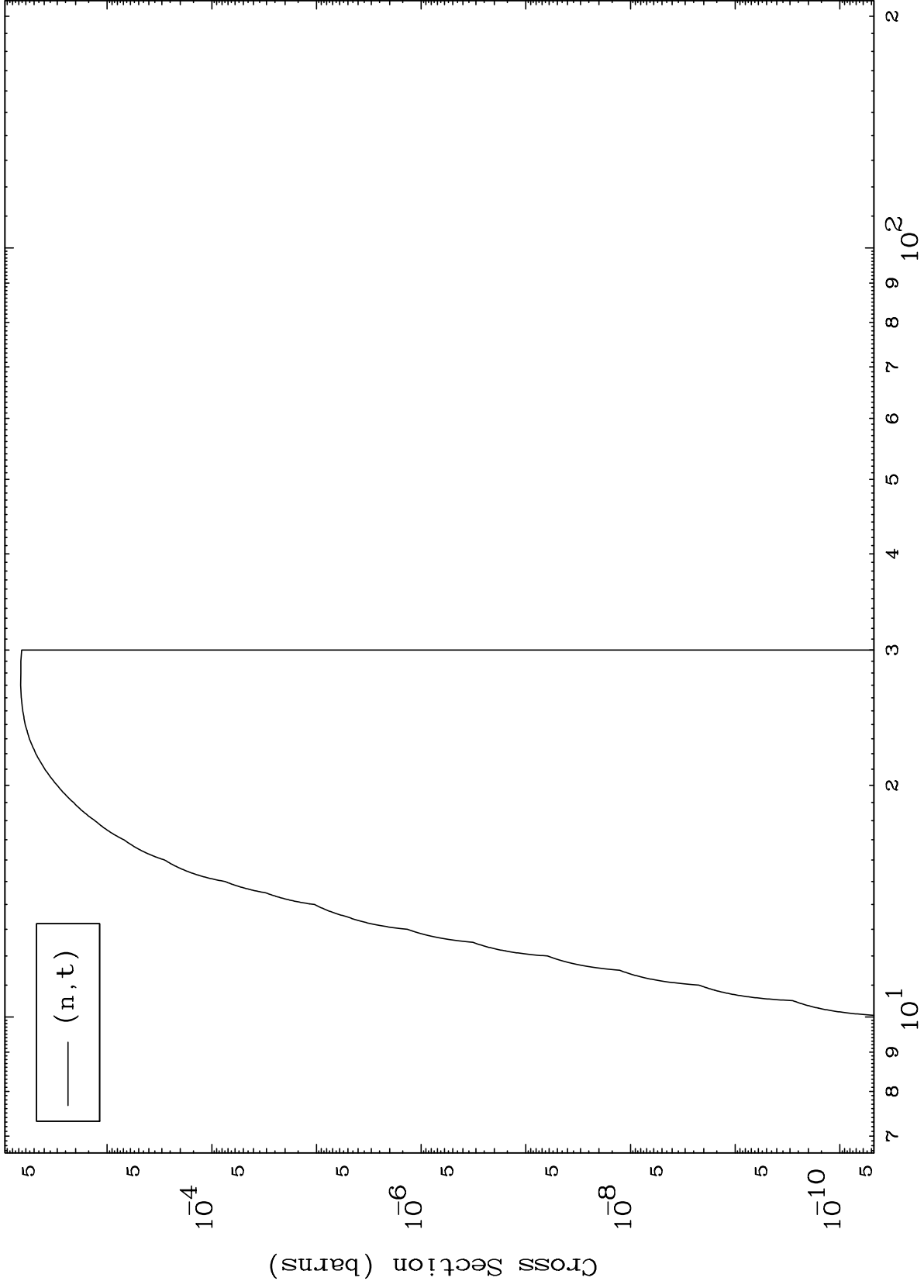
Incident Energy (MeV)

45-Rh-103

MAT 4526

(n,t) Levels  
293 Kelvin Cross Sections

45-Rh-103



12

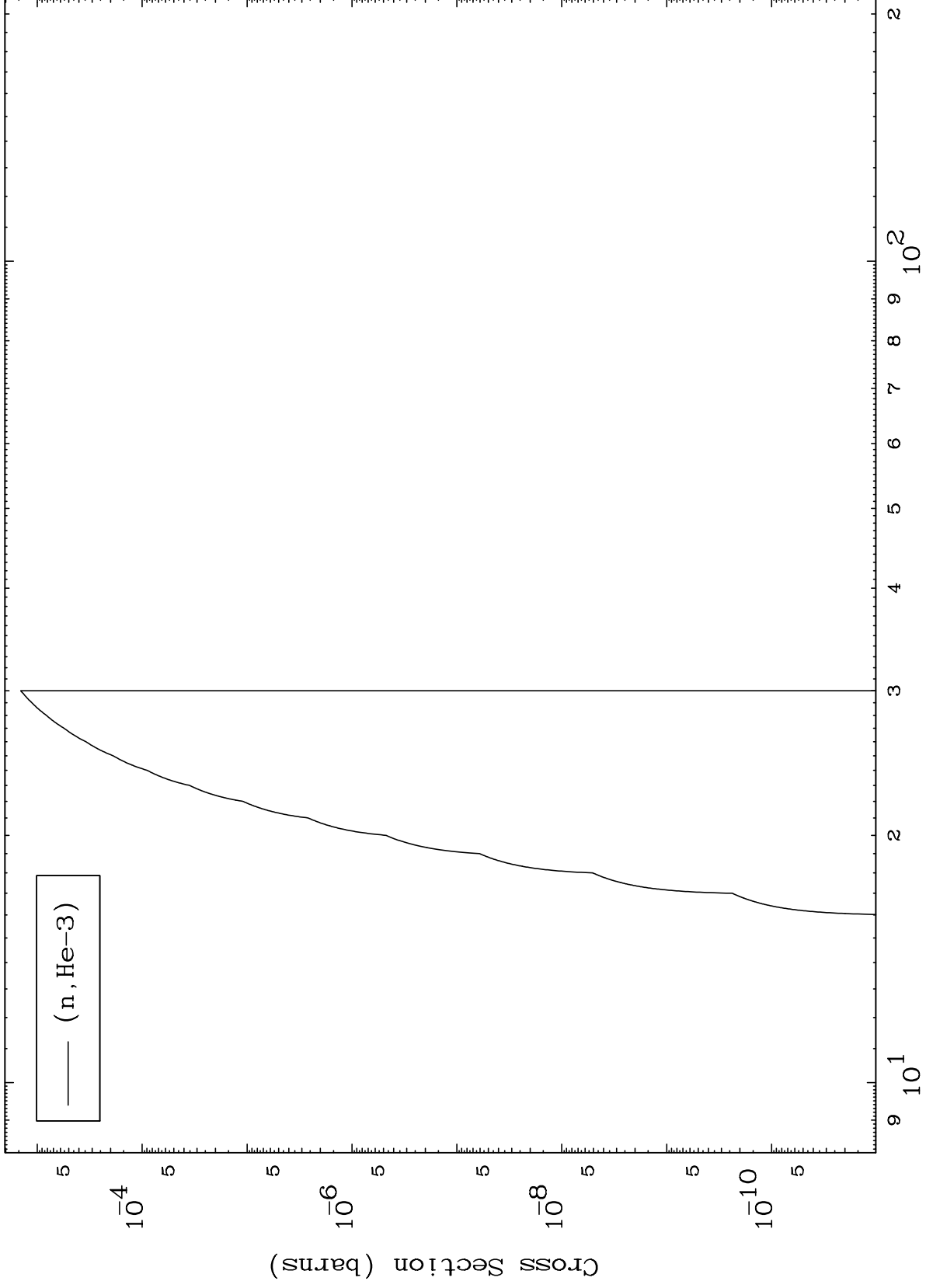
Incident Energy (MeV)

45-Rh-103

MAT 4526

(n,He3) Levels  
293 Kelvin Cross Sections

45-Rh-103



13

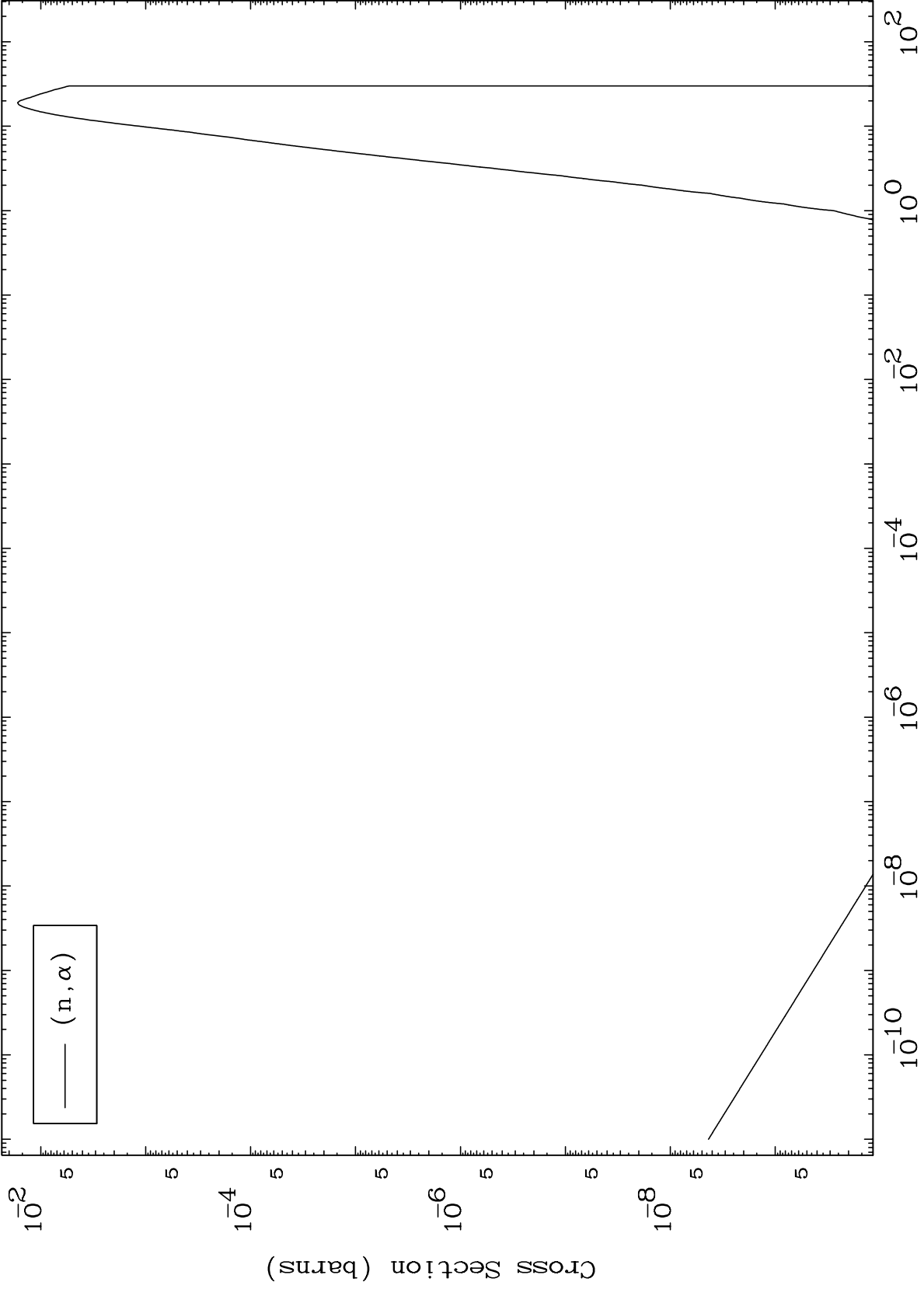
Incident Energy (MeV)

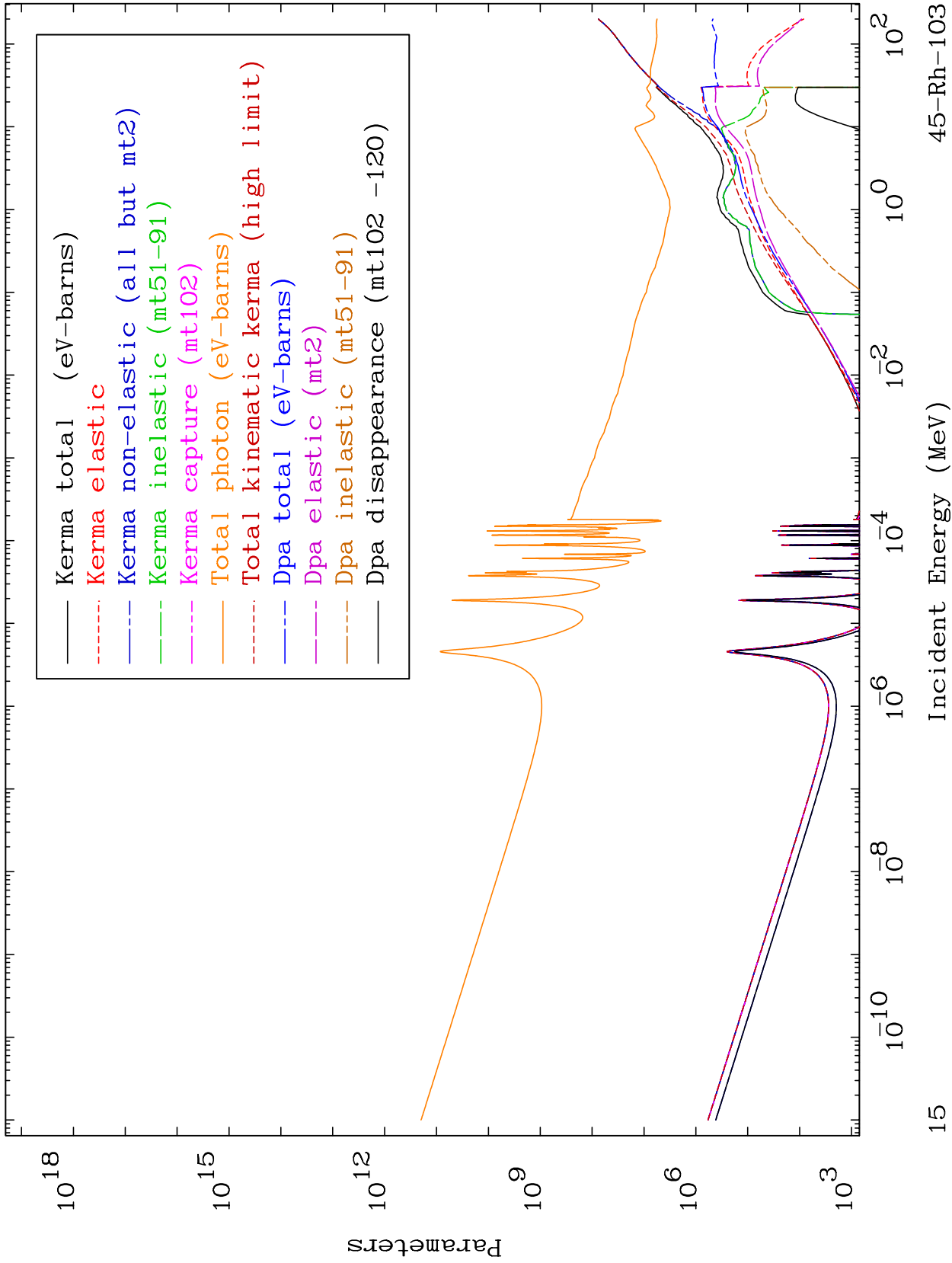
45-Rh-103

MAT 4526

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

45-Rh-103



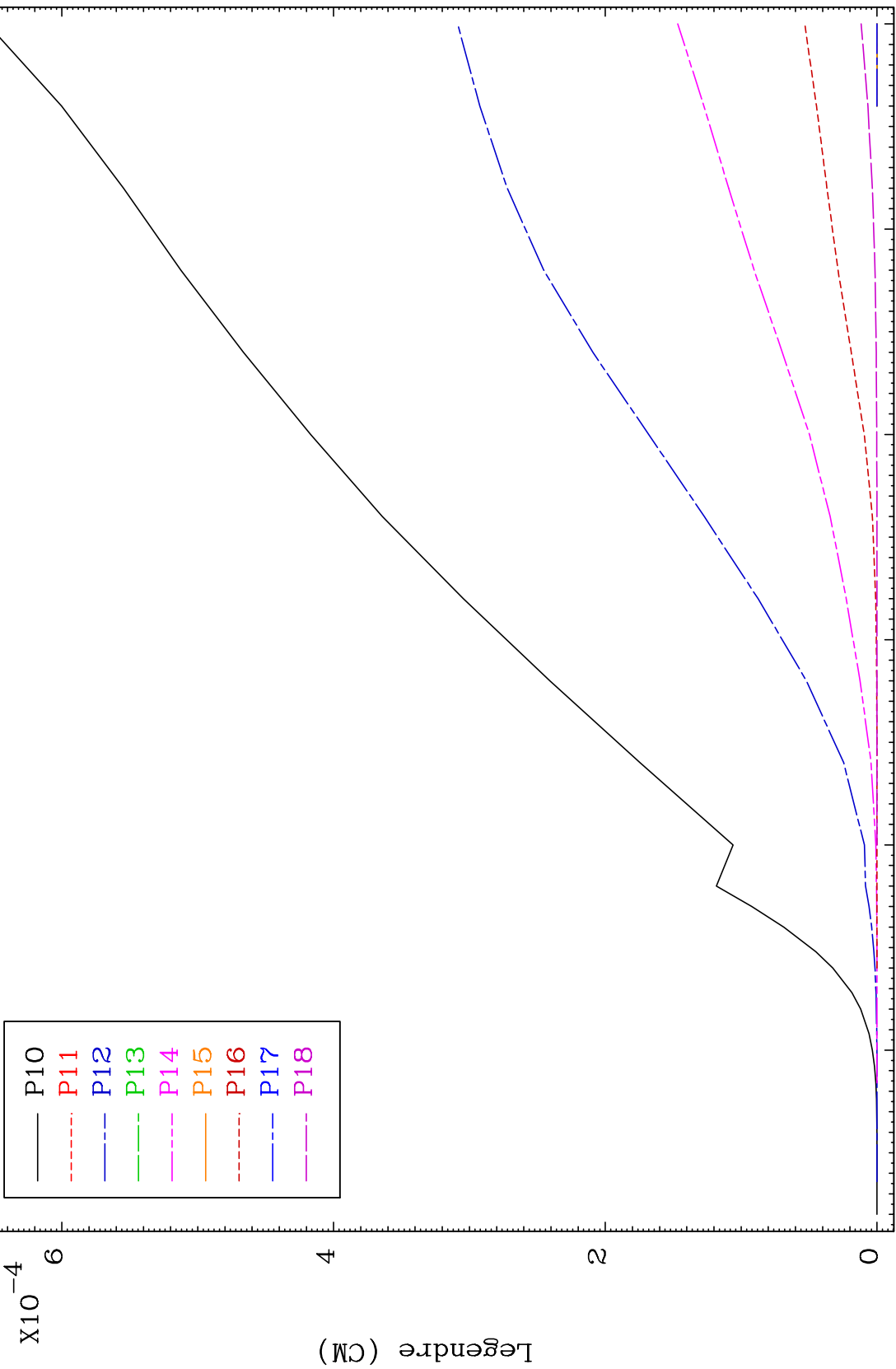
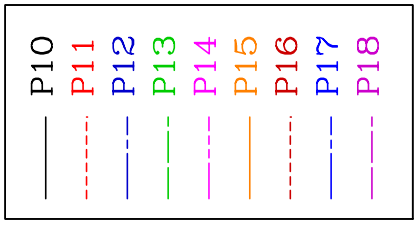




MAT 4526

Elastic Legendre Coefficients

45-Rh-103



17

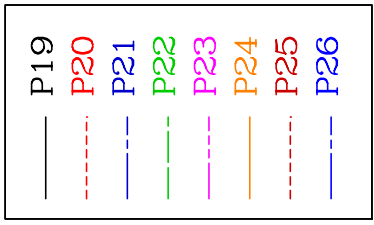
Incident Energy (MeV)

45-Rh-103

MAT 4526

Elastic Legendre Coefficients

45-Rh-103



$\times 10^{-7}$

Legendre (CM)



18

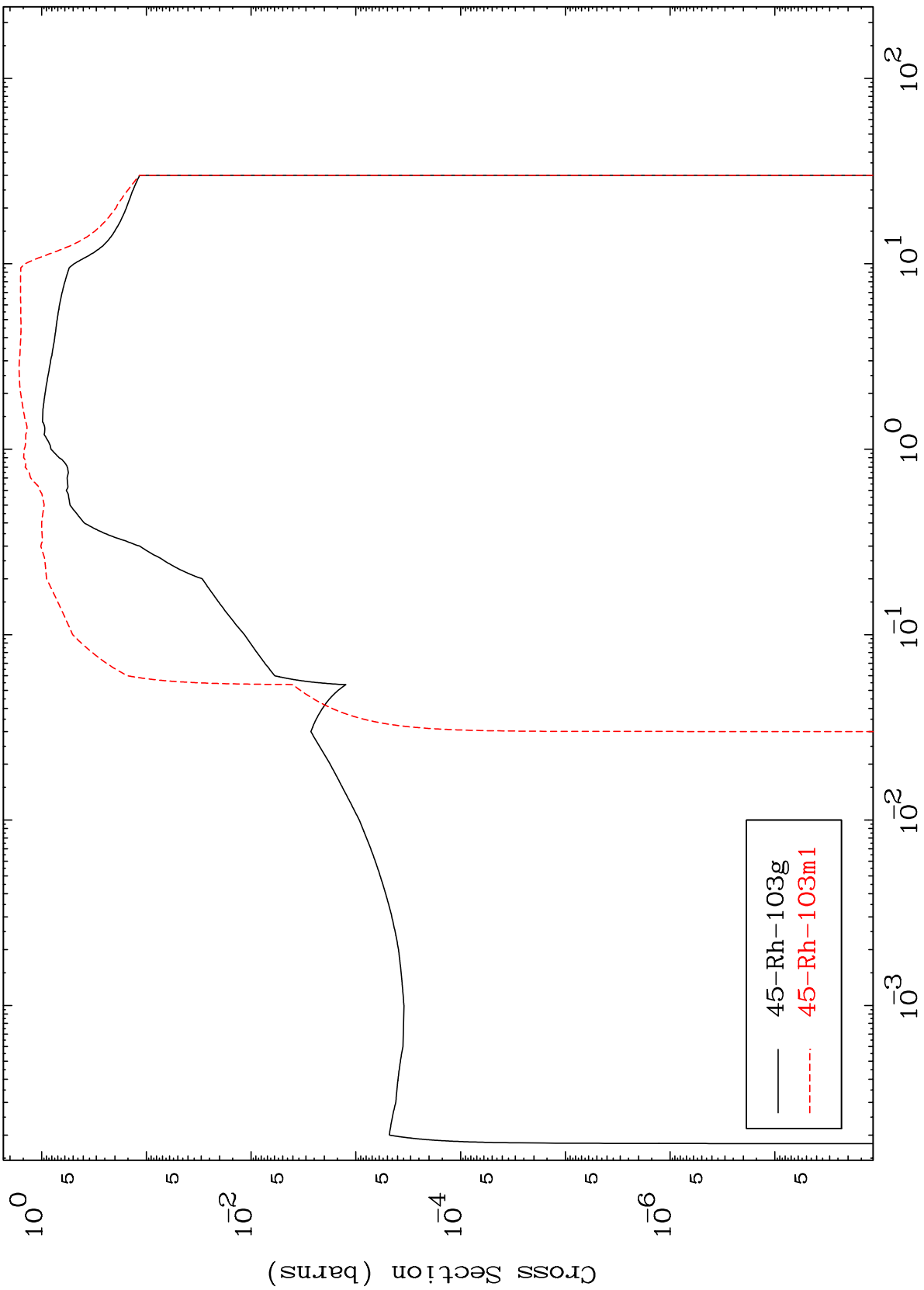
Incident Energy (MeV)

45-Rh-103

MAT 4526

45-Rh-103

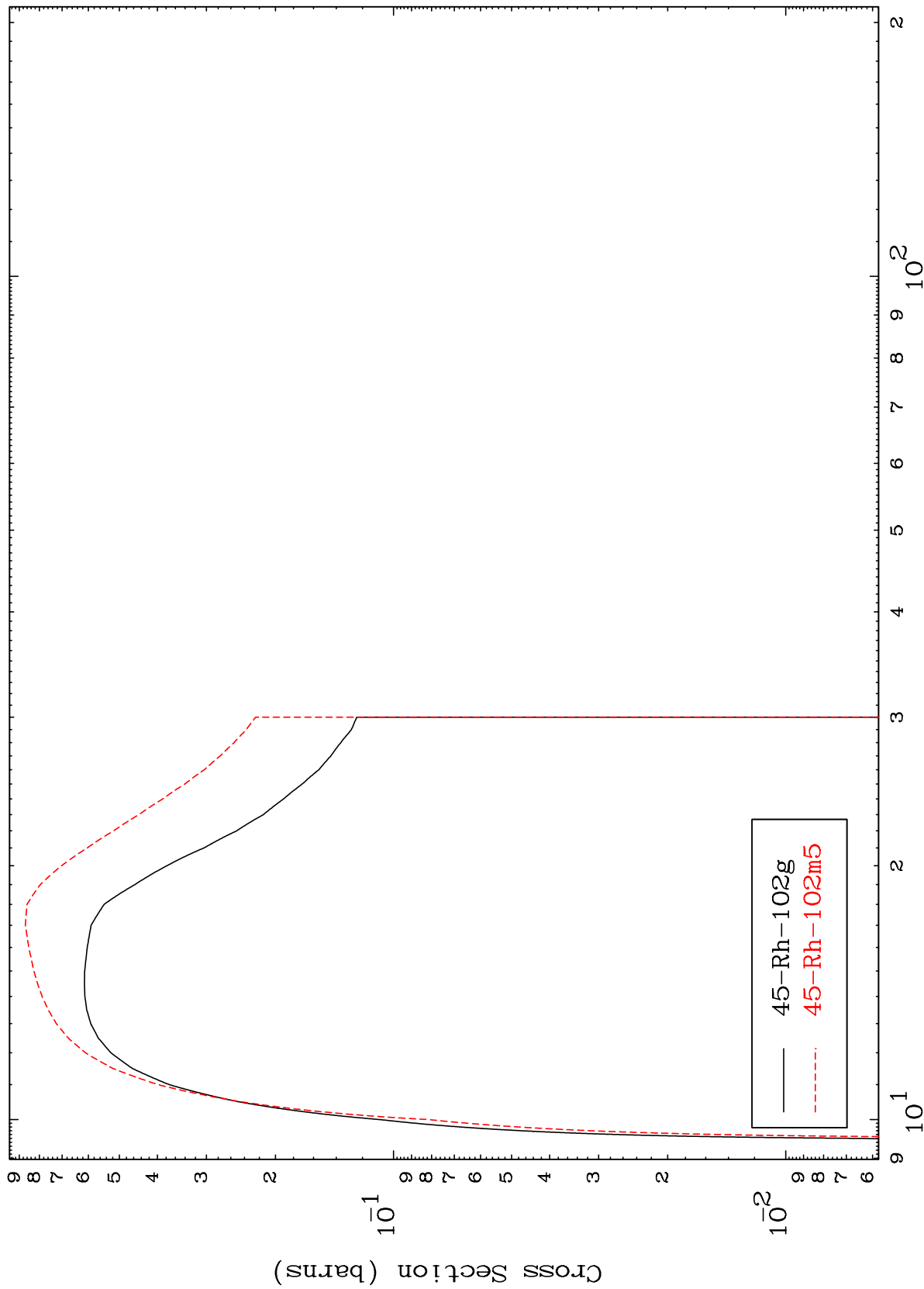
Inelastic  
Radionuclide Production Cross Section



MAT 4526

45-Rh-103

(n,2n)  
Radionuclide Production Cross Section



45-Rh-103

Incident Energy (MeV)

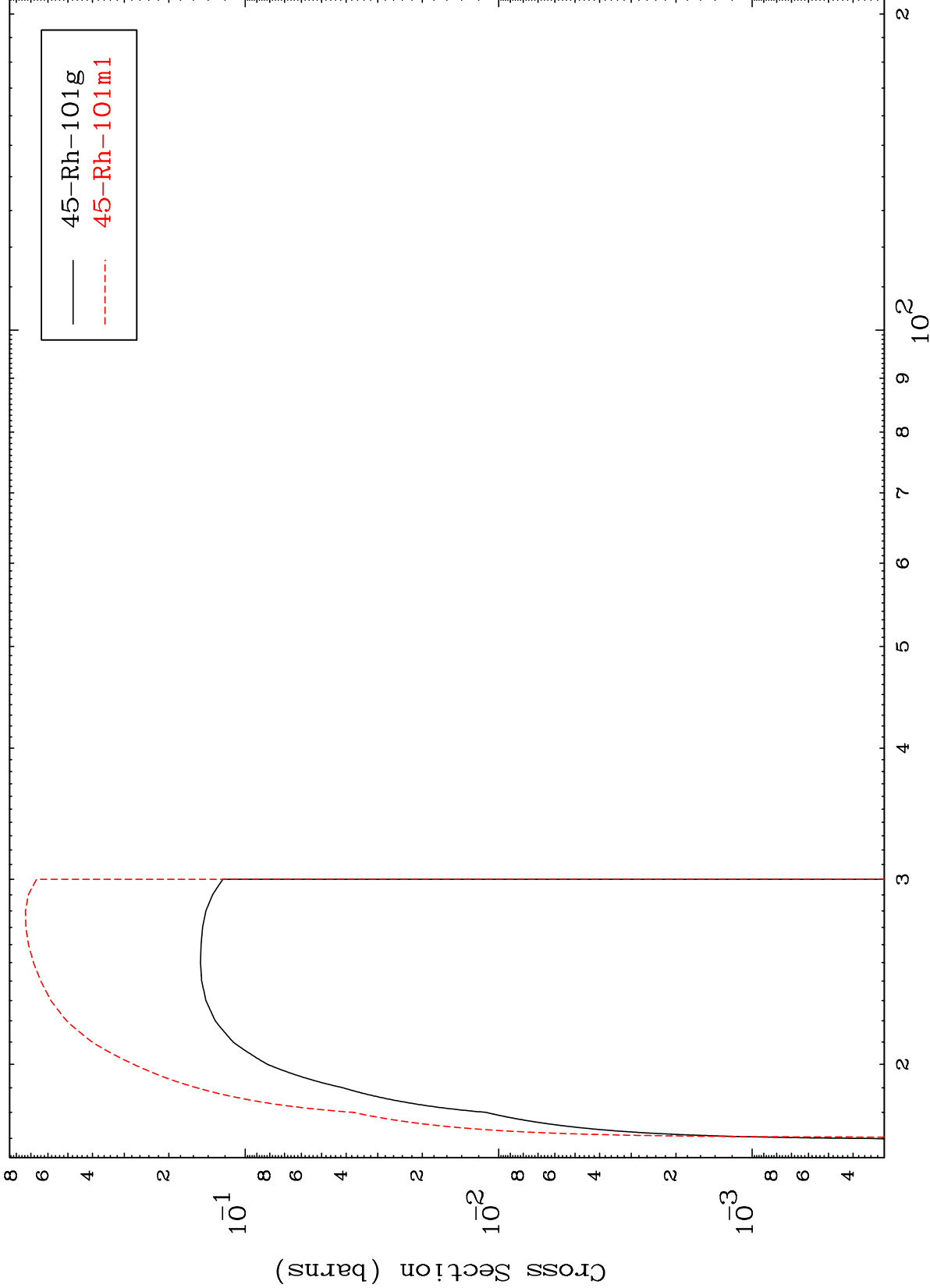
20

MAT 4526

(n,3n)

45-Rh-103

Radionuclide Production Cross Section



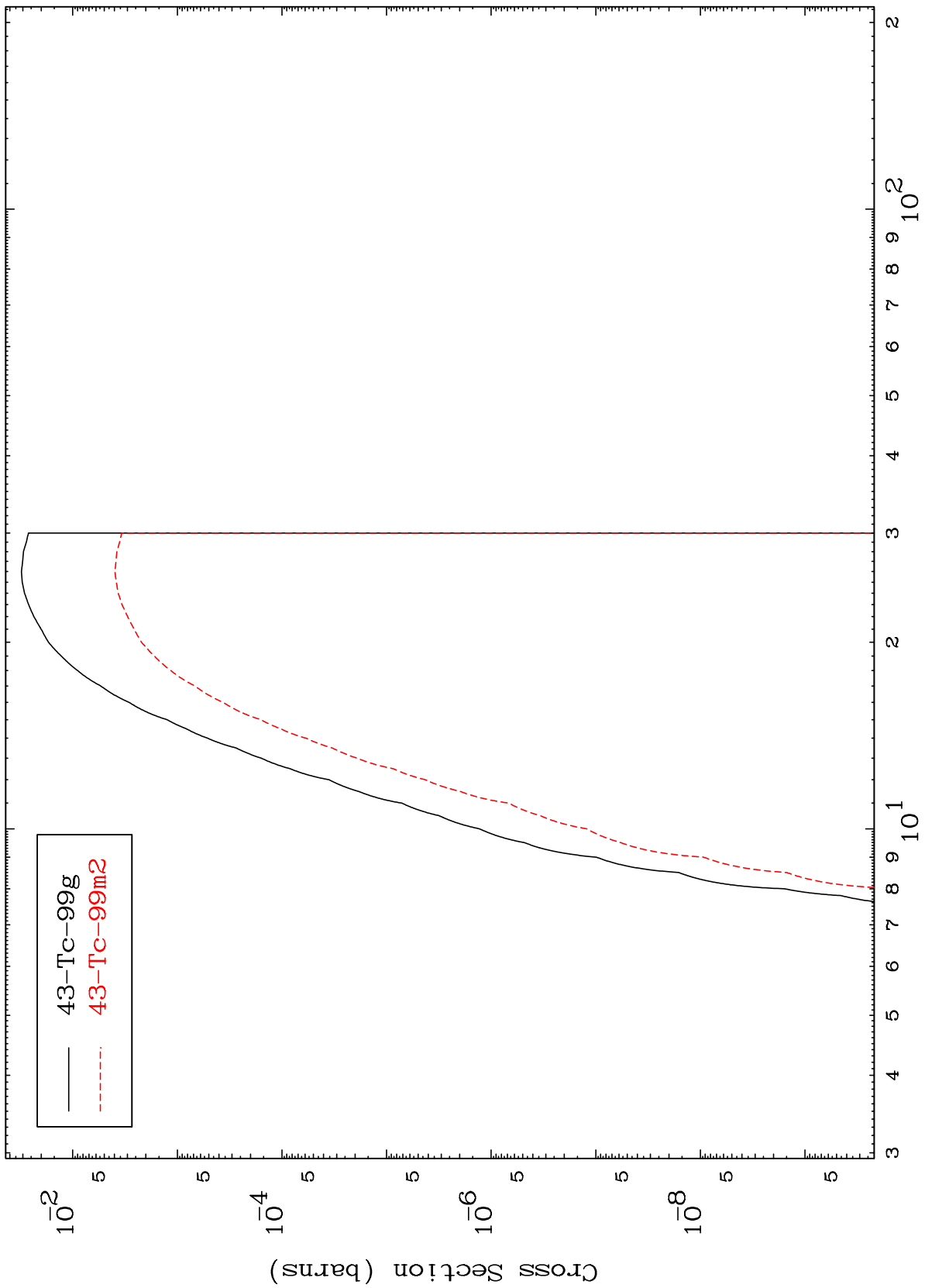
45-Rh-101 g  
45-Rh-101 m1

MAT 4526

(n,n')  $\alpha$

45-Rh-103

Radionuclide Production Cross Section



22

Incident Energy (MeV)

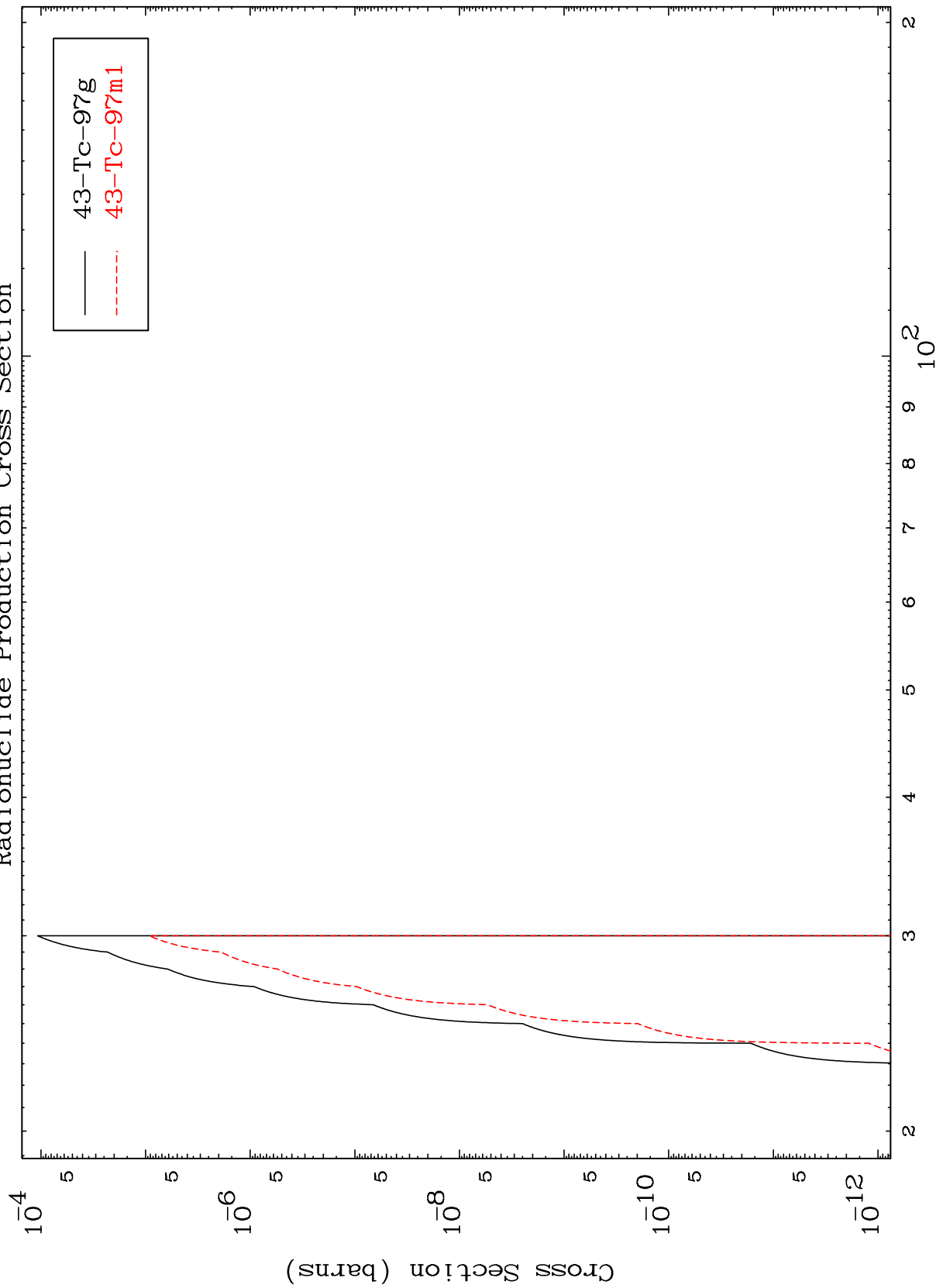
45-Rh-103

MAT 4526

(n,3n)  $\alpha$

45-Rh-103

Radionuclide Production Cross Section



23

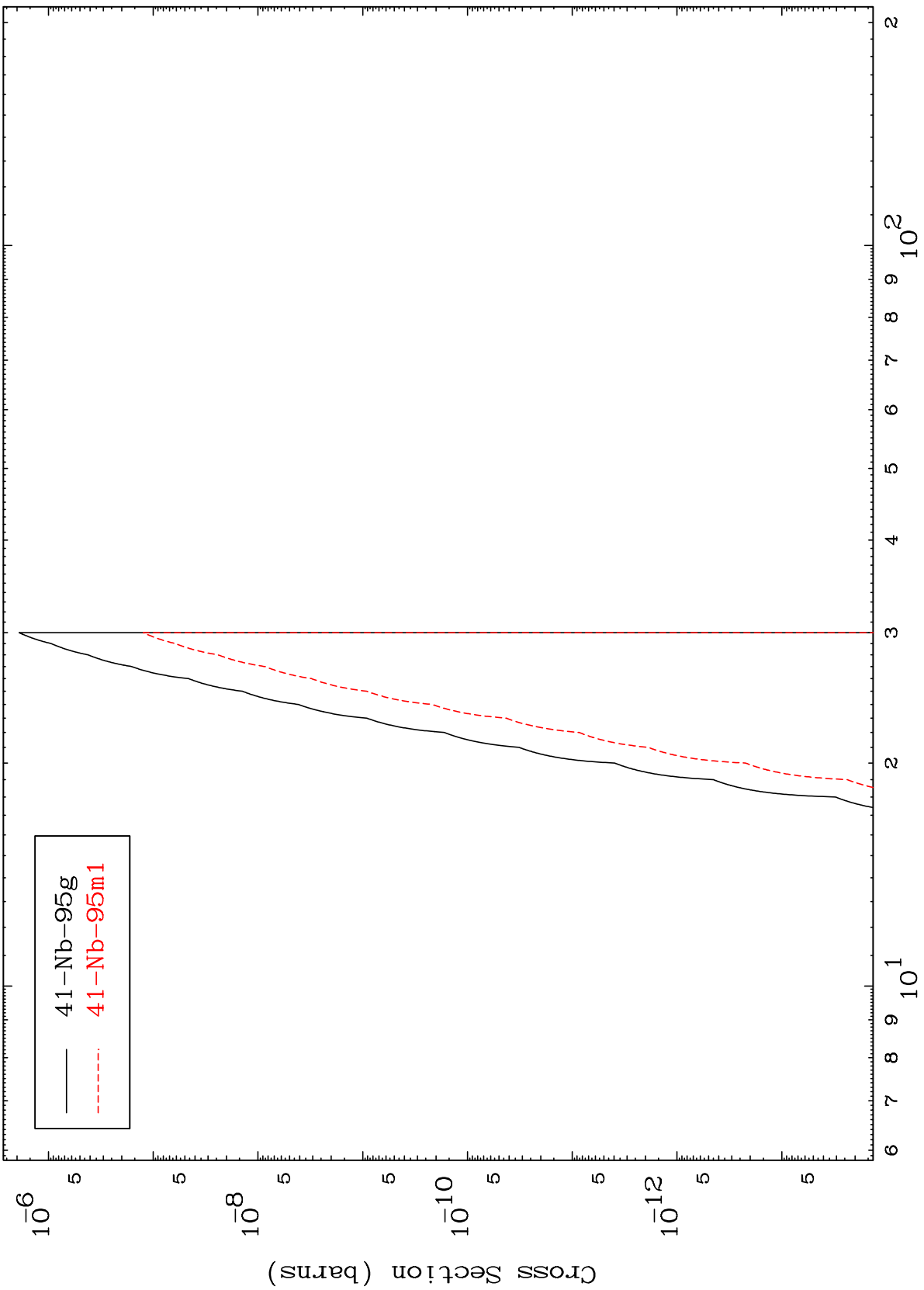
Incident Energy (MeV)

45-Rh-103

MAT 4526

45-Rh-103

(n,n') 2α  
Radionuclide Production Cross Section



— 41-Nb-95g  
- - - 41-Nb-95m1

24

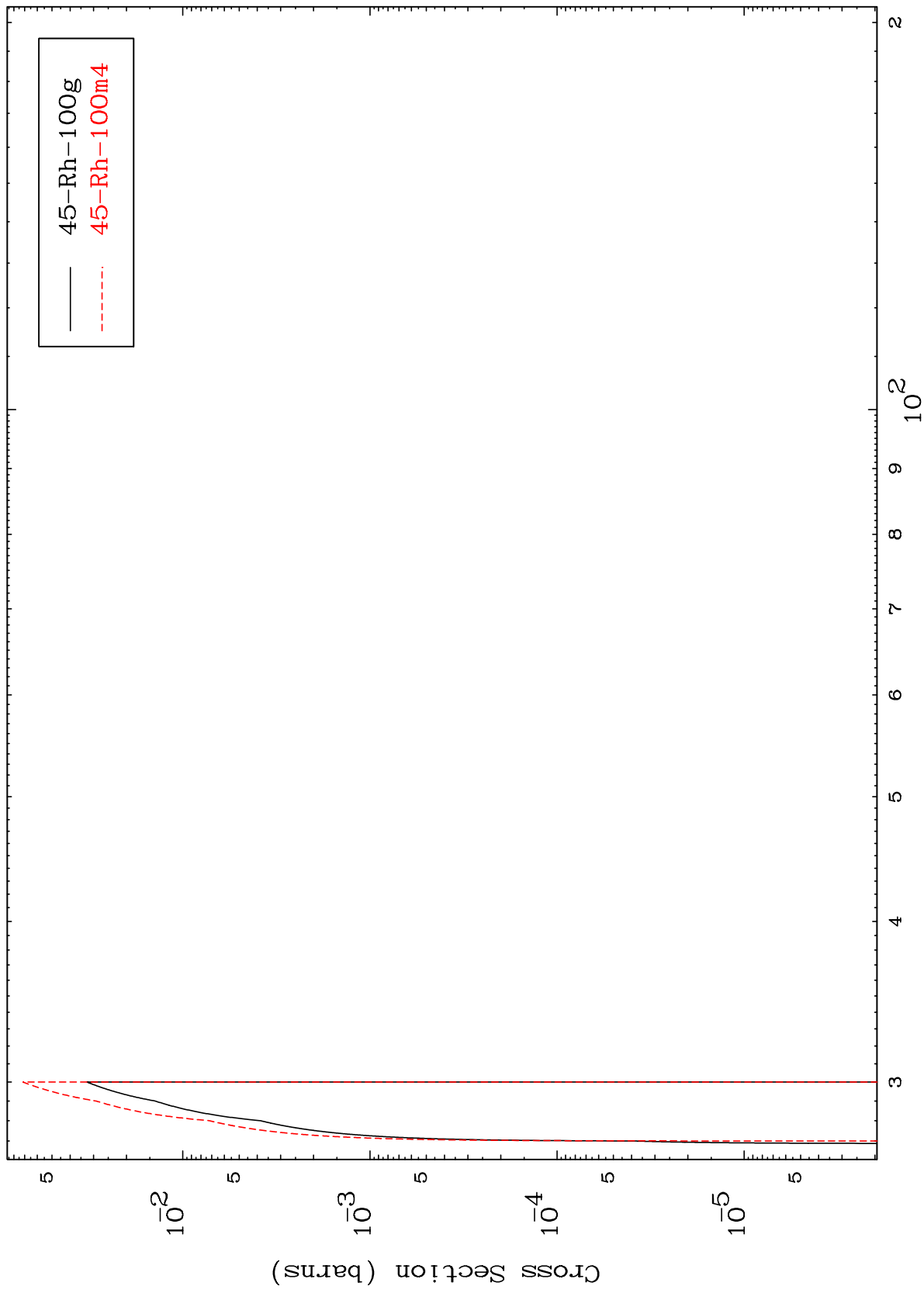
Incident Energy (MeV)

45-Rh-103

MAT 4526

45-Rh-103

(n,4n)  
Radionuclide Production Cross Section



25

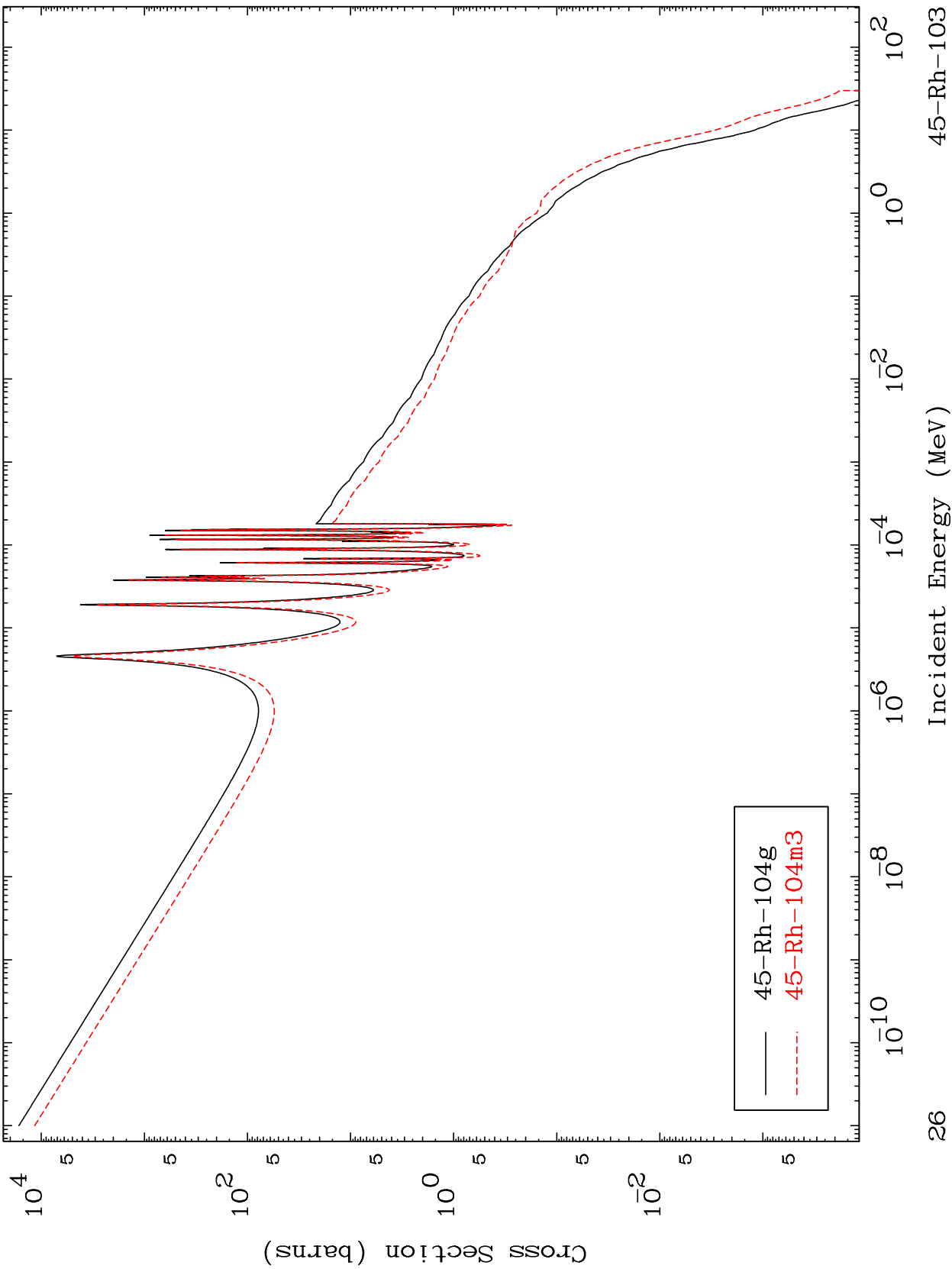
45-Rh-103

Incident Energy (MeV)

MAT 4526

45-Rh-103

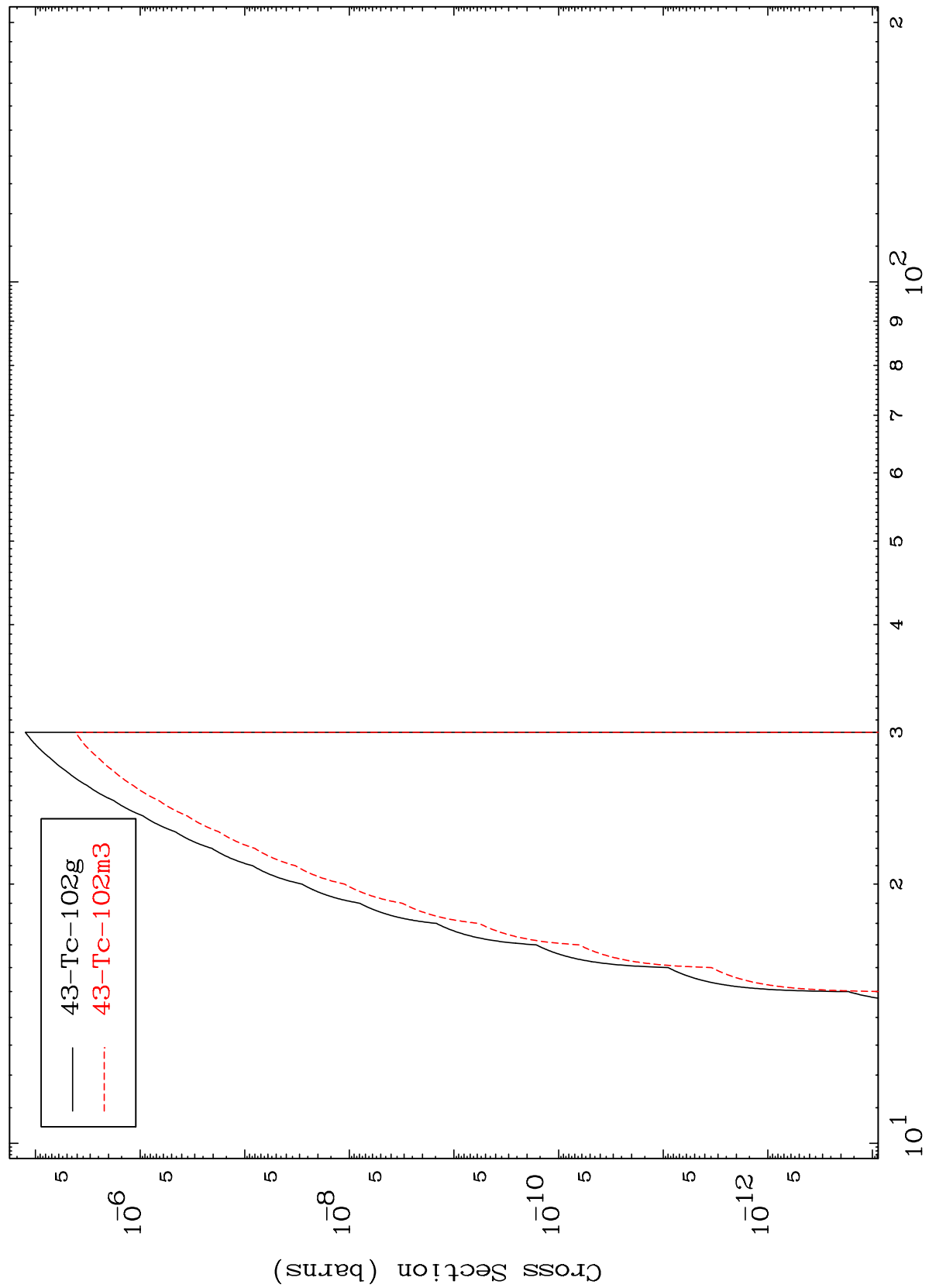
(n,  $\gamma$ )  
Radionuclide Production Cross Section



MAT 4526

45-Rh-103

(n,2p)  
Radionuclide Production Cross Section



— 43-Tc-102g  
- - - 43-Tc-102m3

Incident Energy (MeV)

45-Rh-103

27