

Program EVALPLOT  
(Version 2018-1)

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](mailto:redcullen1@comcast.net)

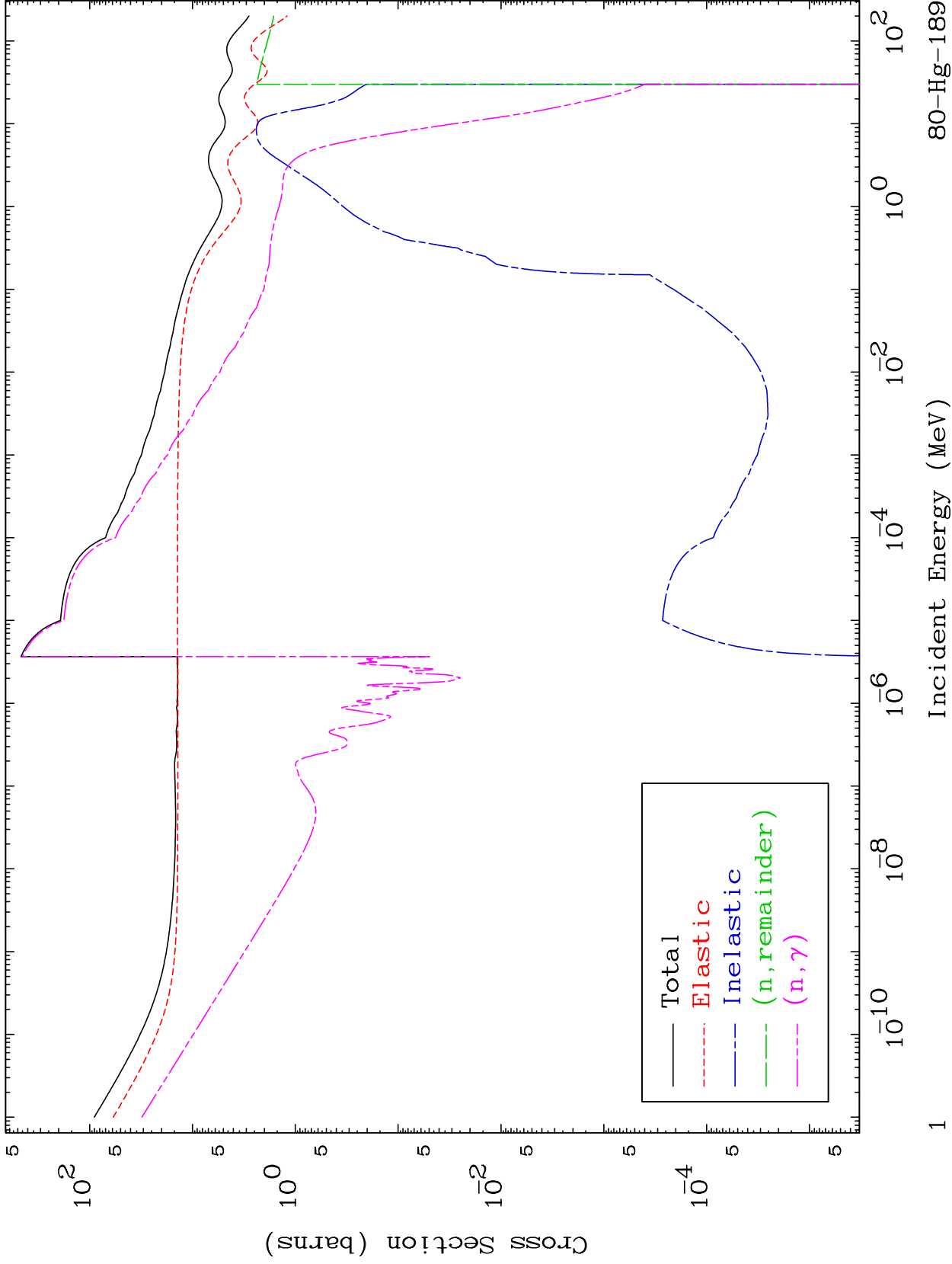
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 8005

Major  
293 Kelvin Cross Sections

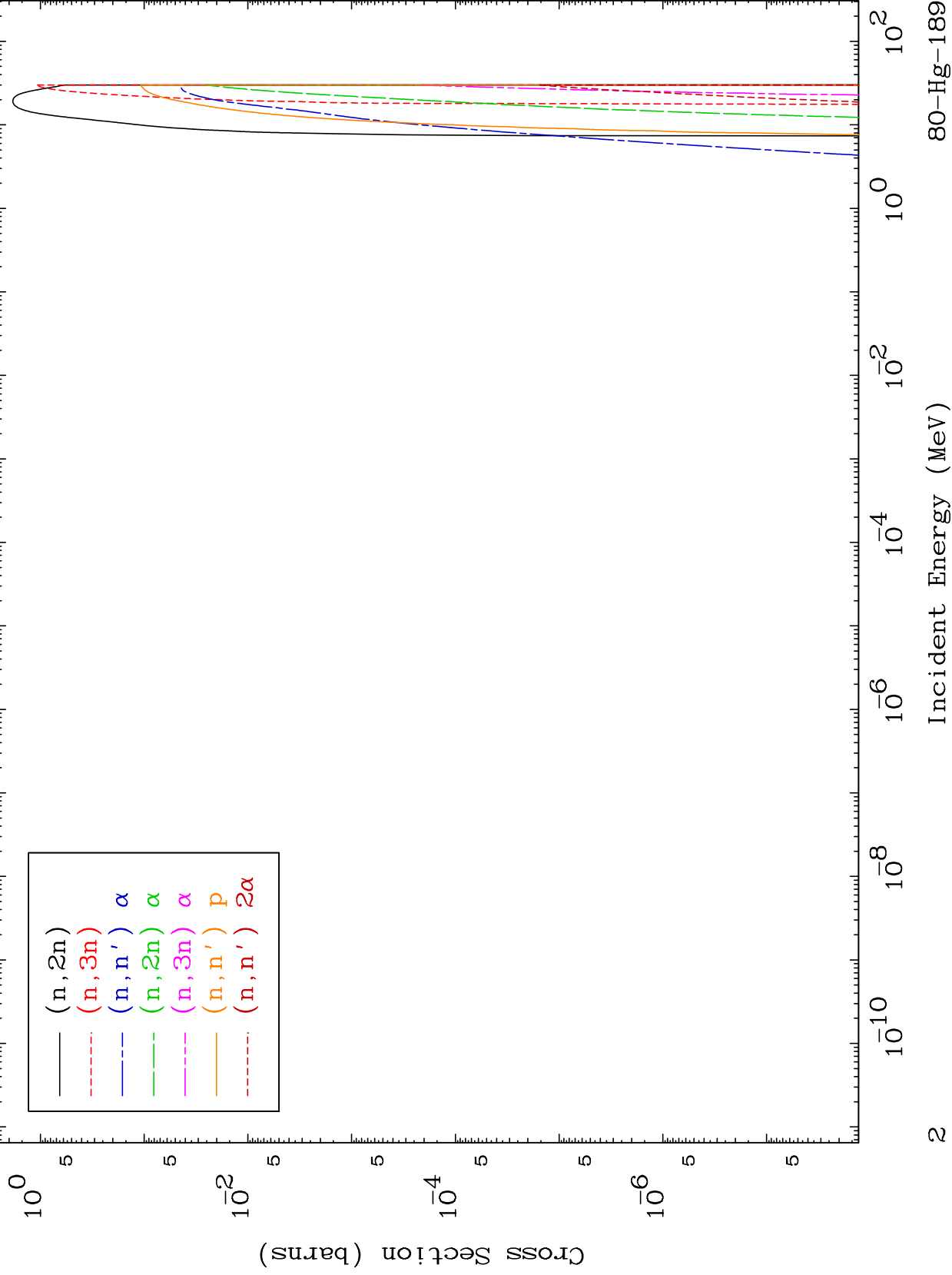
80-Hg-189



MAT 8005

Neutron Production  
293 Kelvin Cross Sections

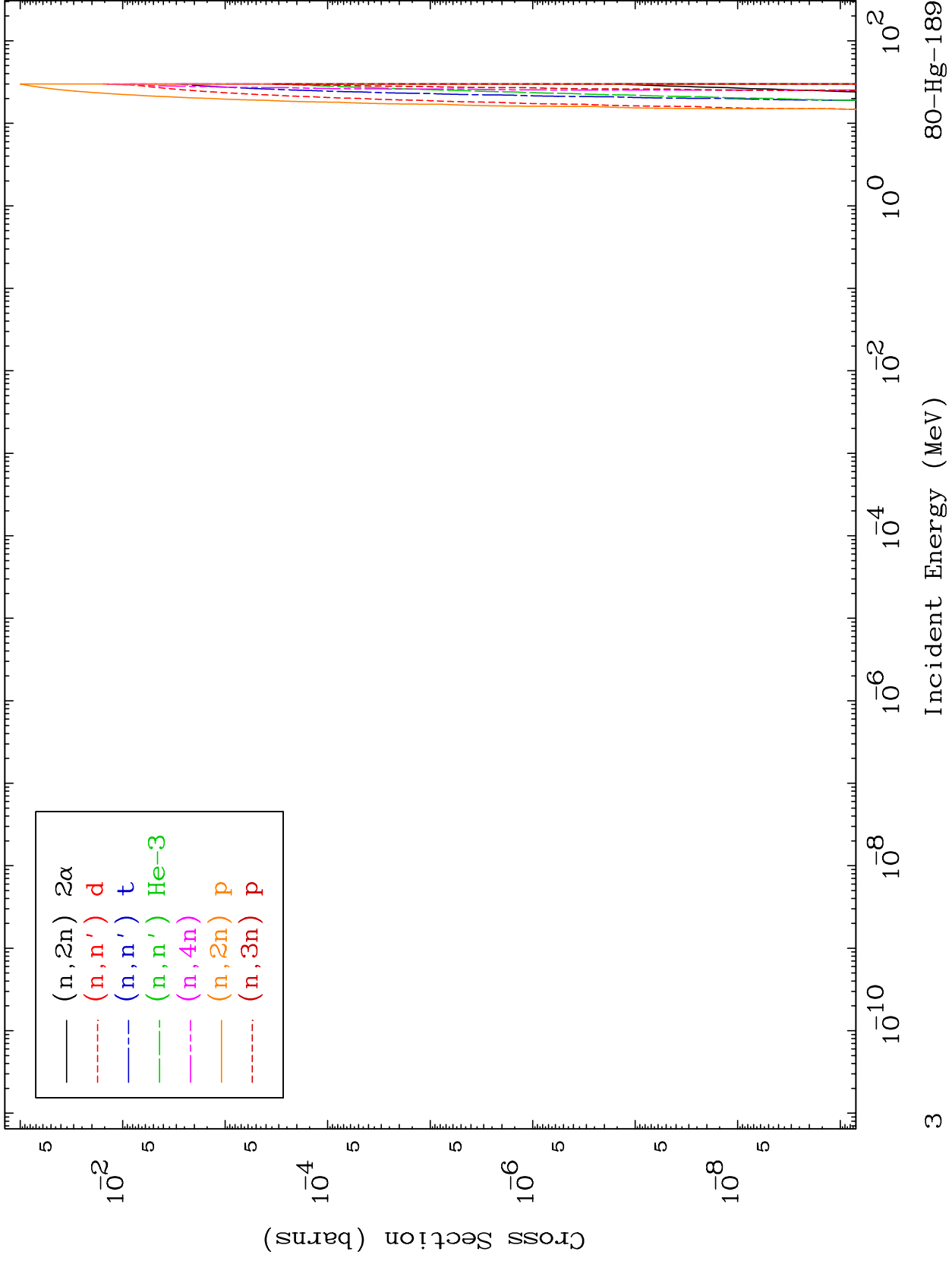
80-Hg-189



MAT 8005

Neutron Production  
293 Kelvin Cross Sections

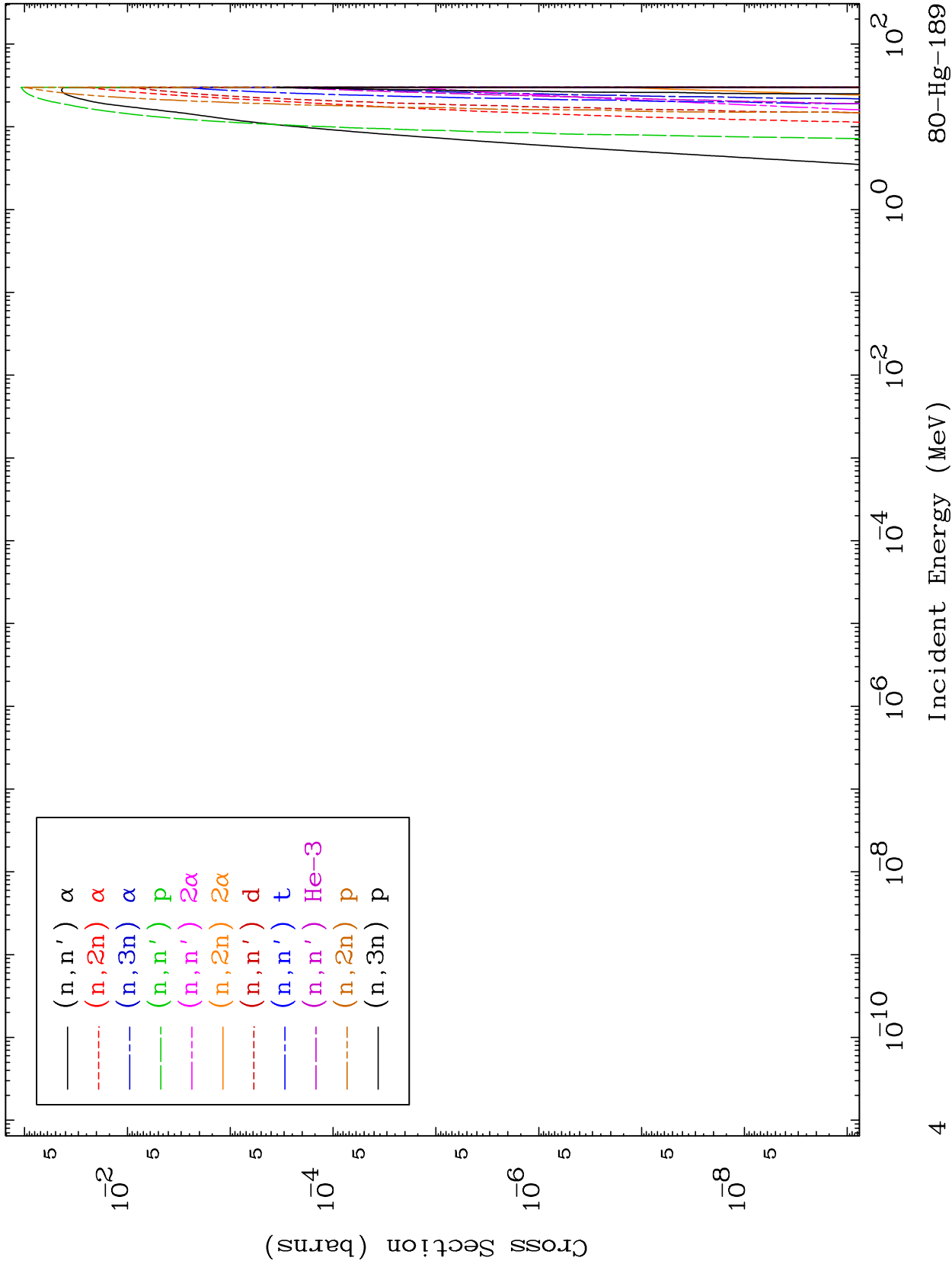
80-Hg-189



MAT 8005

Charged Particle  
293 Kelvin Cross Sections

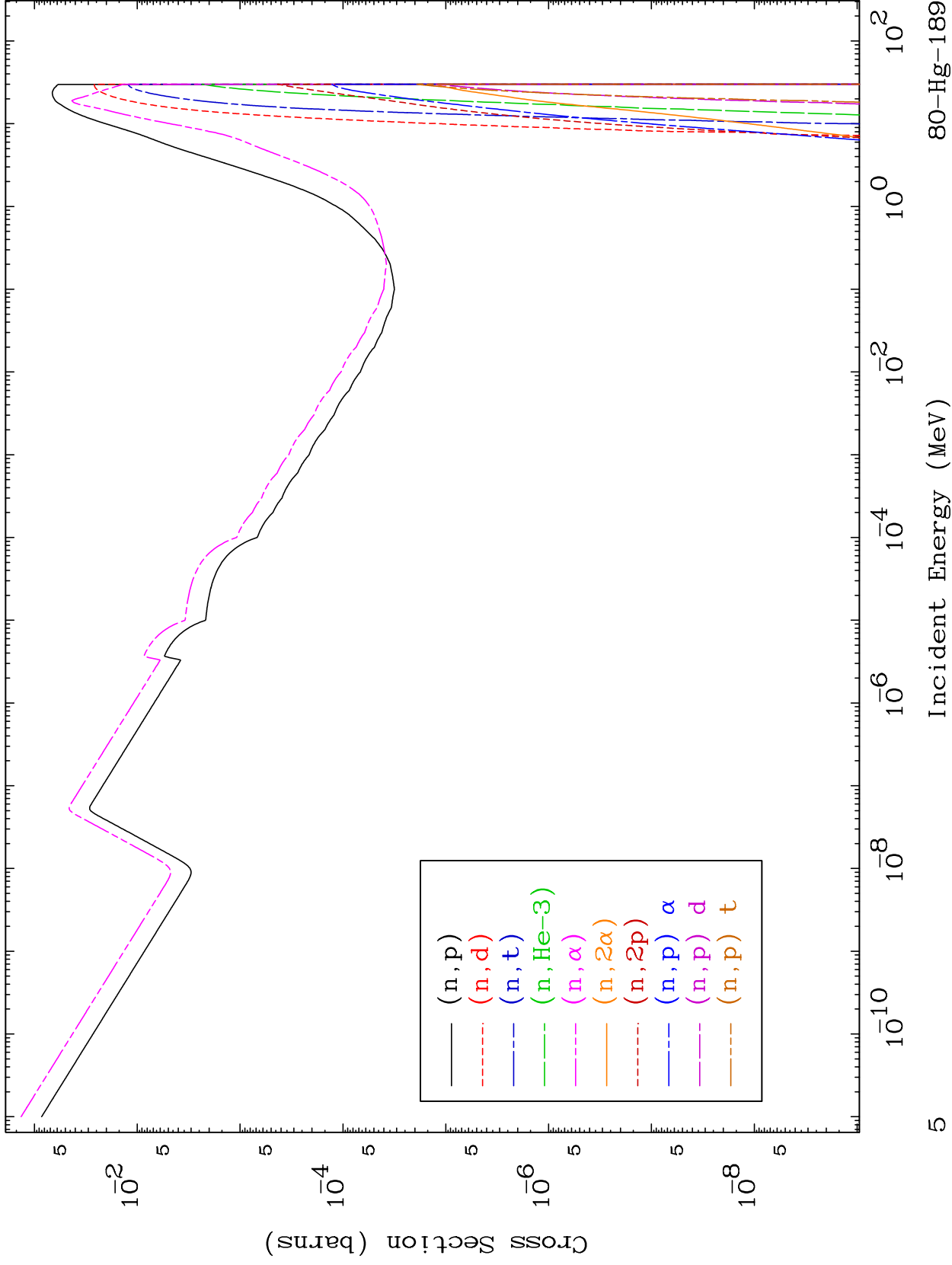
80-Hg-189



MAT 8005

Charged Particle  
293 Kelvin Cross Sections

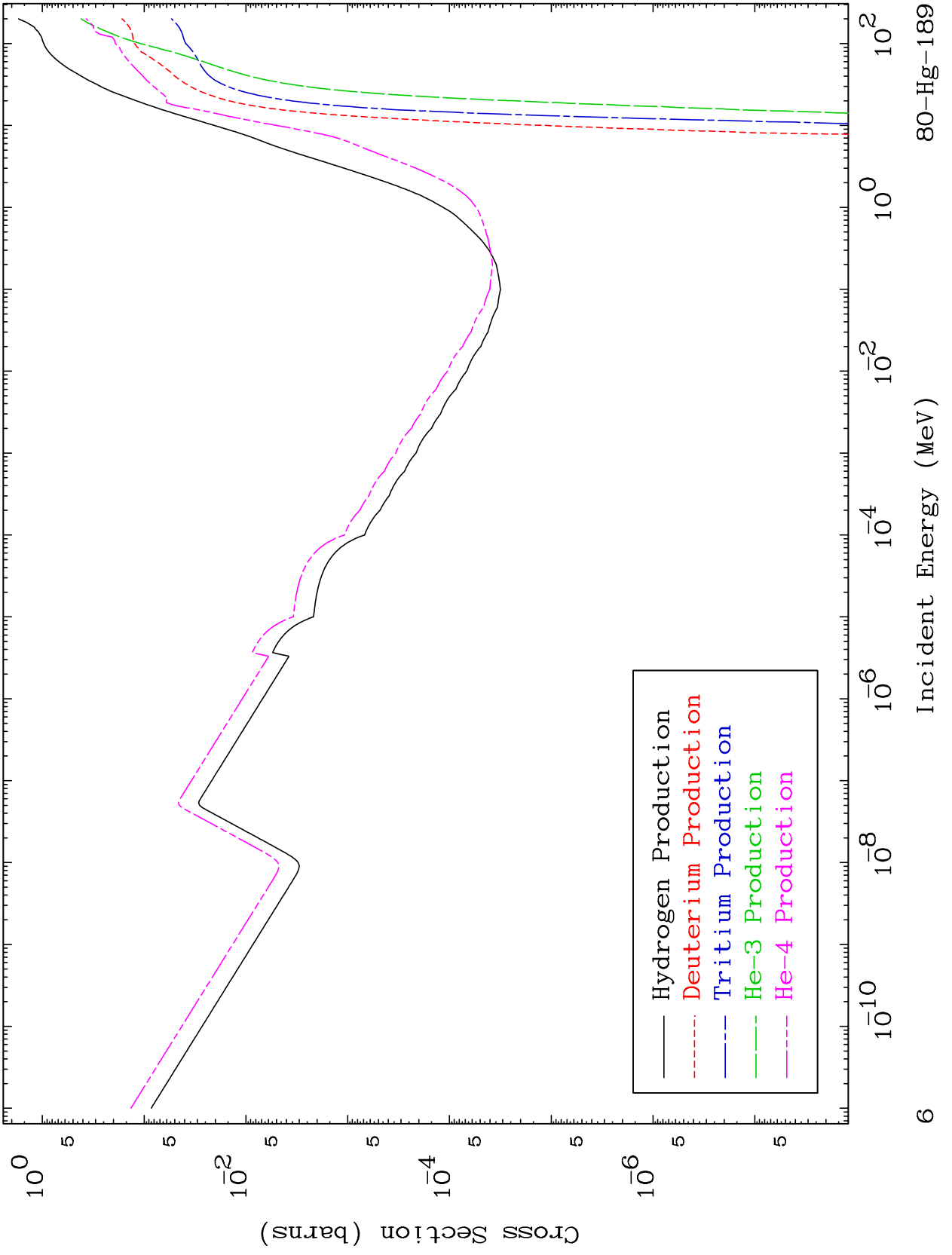
80-Hg-189



MAT 8005

Particle Production  
293 Kelvin Cross Sections

80-Hg-189

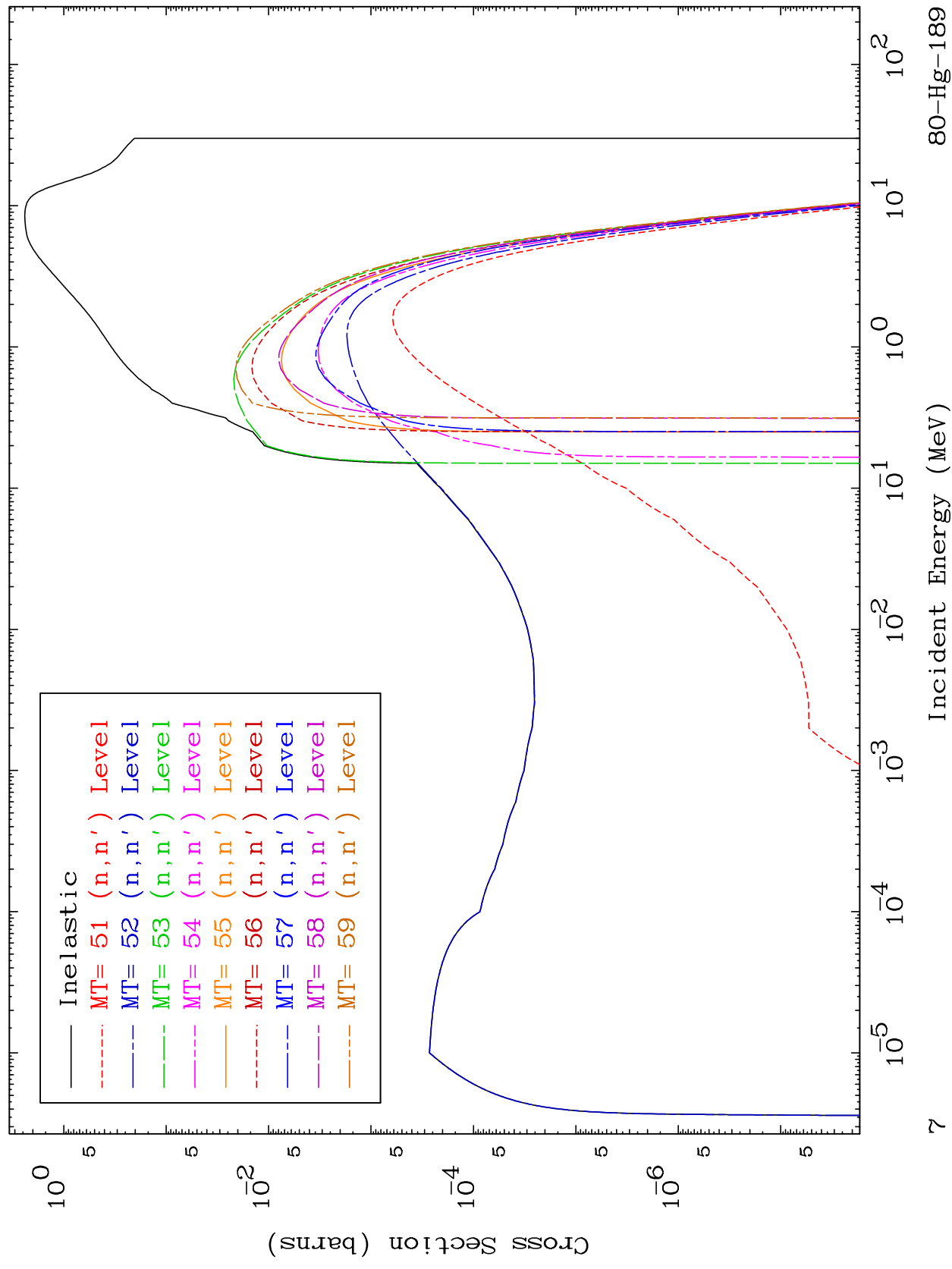


MAT 8005

(n,n') Level

80-Hg-189

293 Kelvin Cross Sections



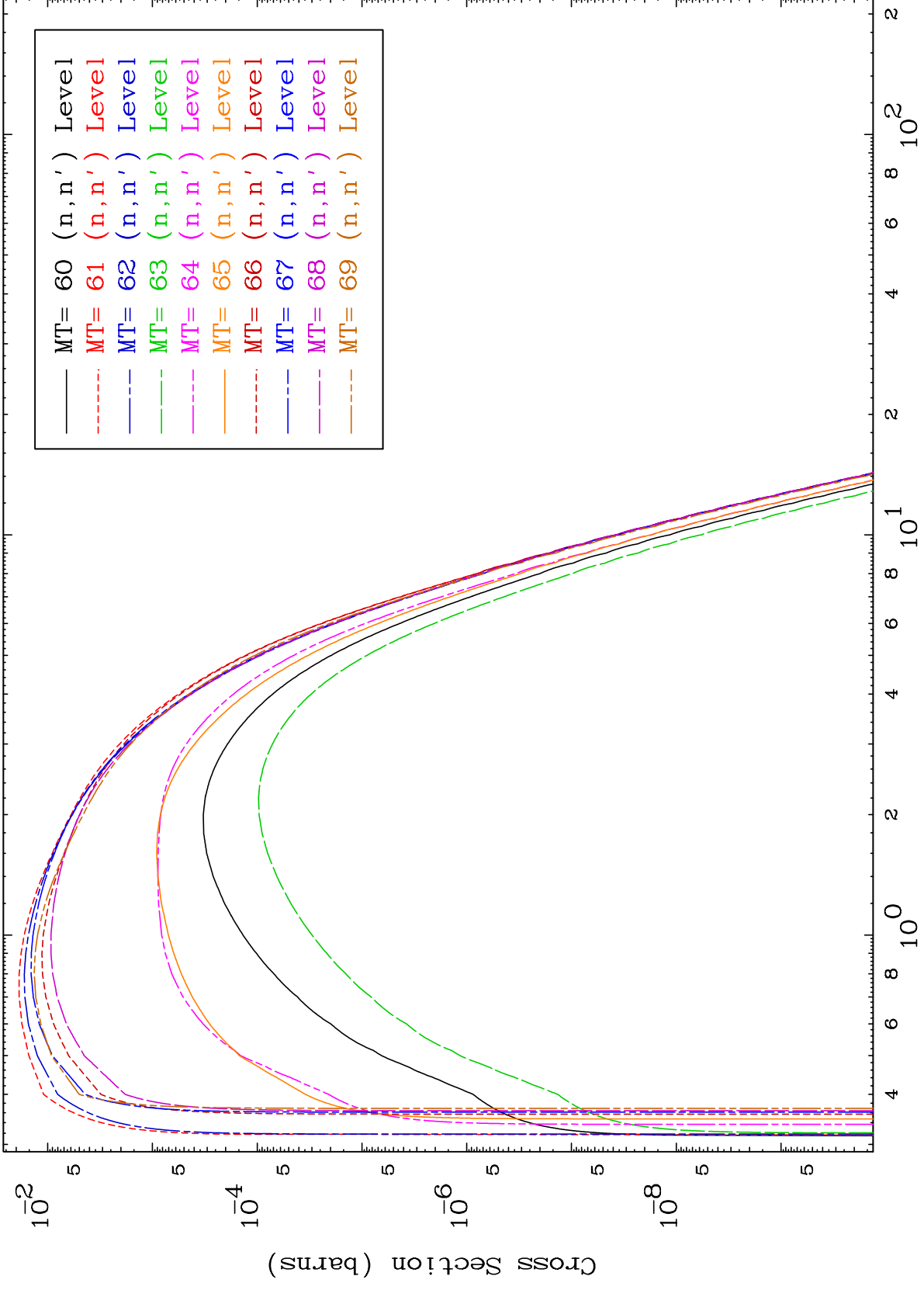


MAT 8005

(n,n') Level

80-Hg-189

293 Kelvin Cross Sections



8

Incident Energy (MeV)

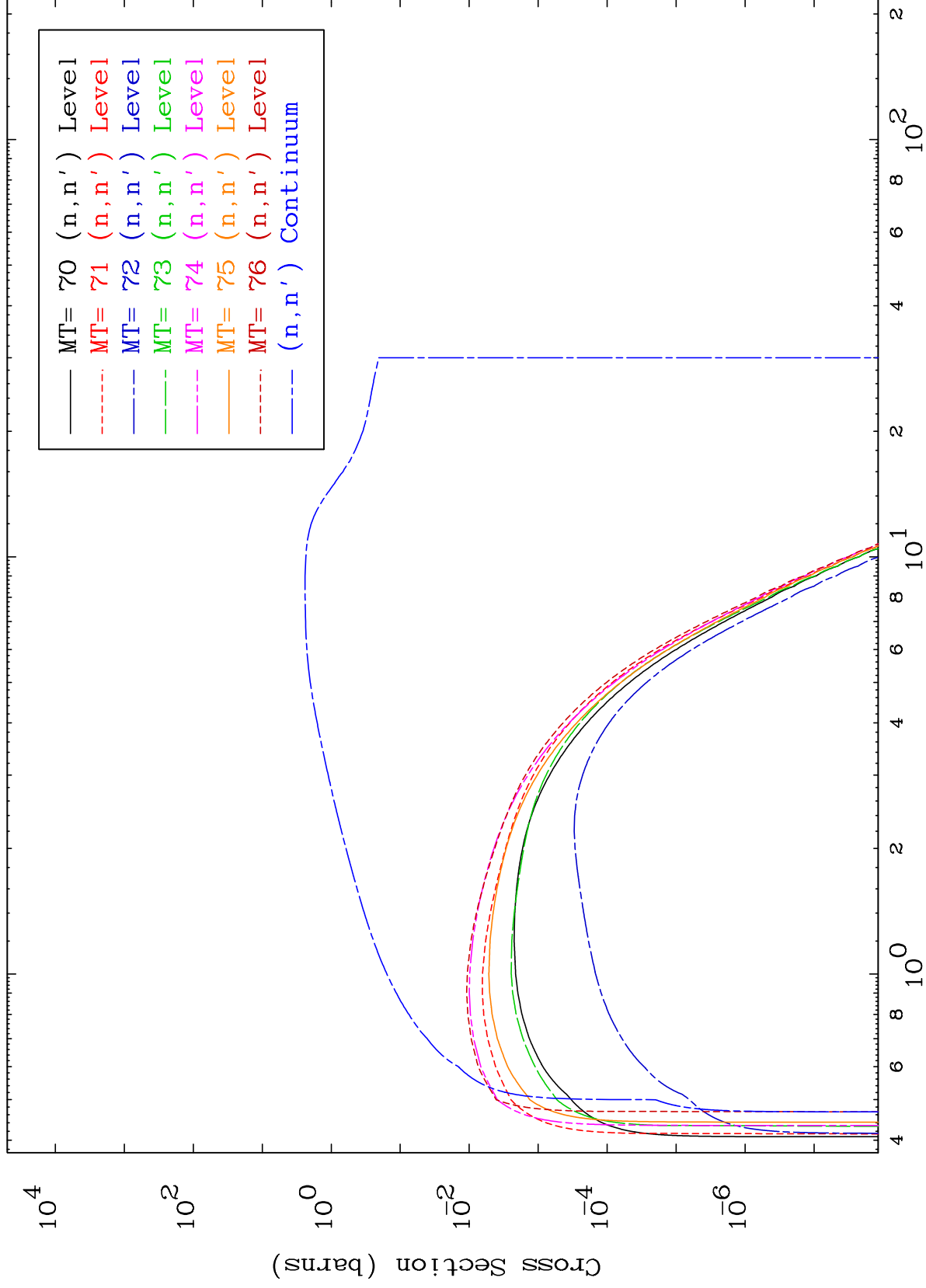
80-Hg-189

MAT 8005

(n,n') Level

80-Hg-189

293 Kelvin Cross Sections



9

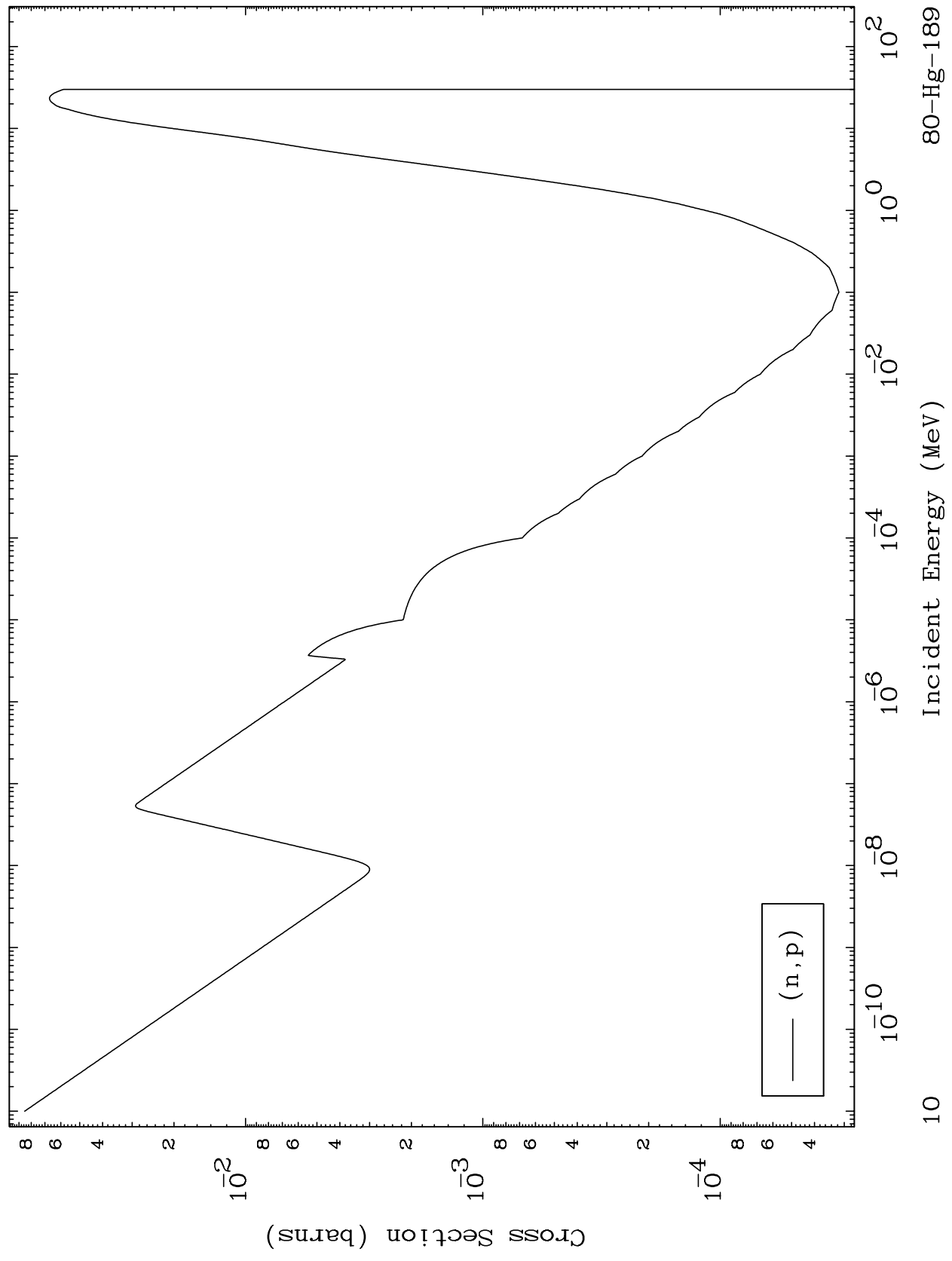
Incident Energy (MeV)

80-Hg-189

MAT 8005

(n,p) Levels  
293 Kelvin Cross Sections

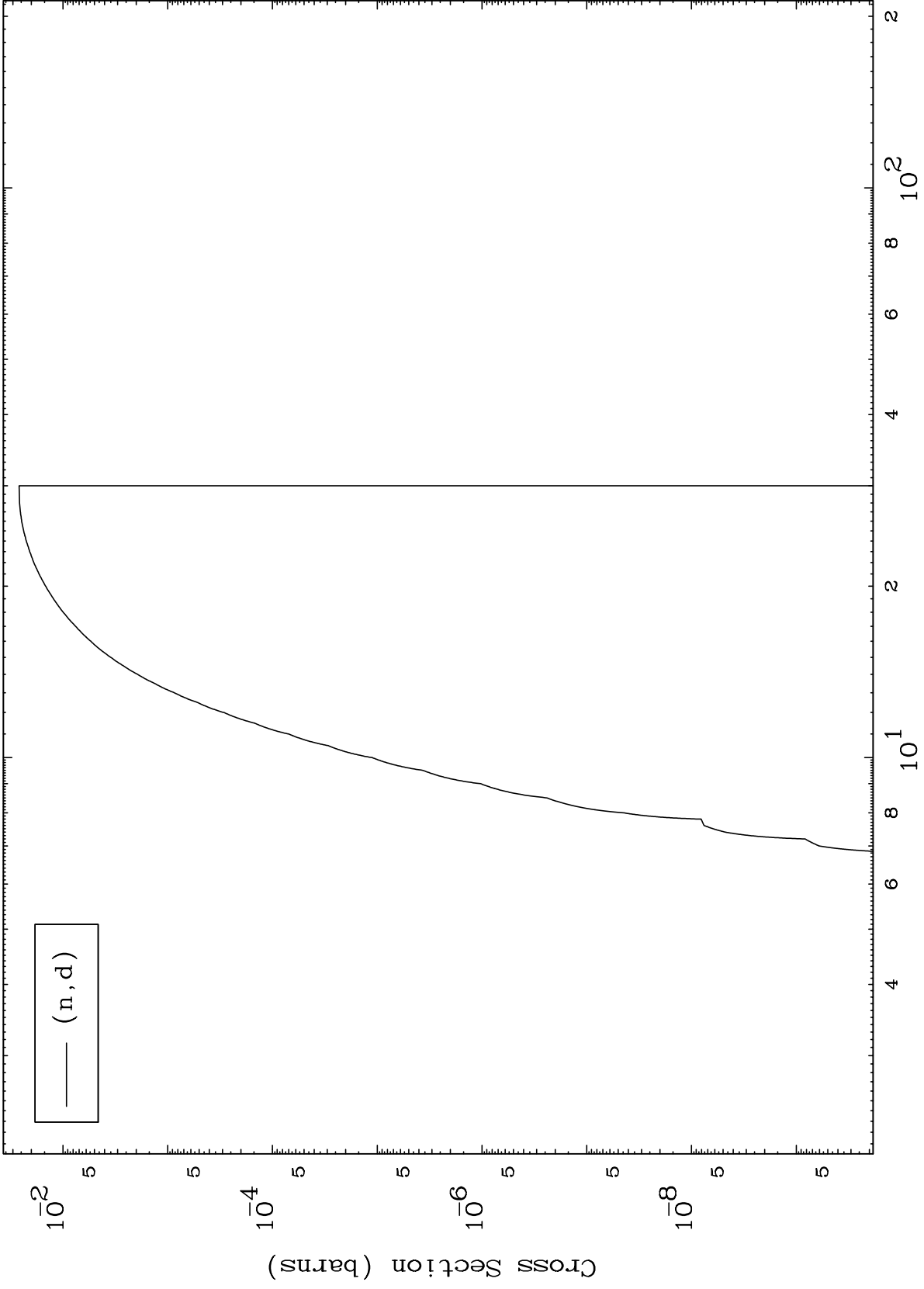
80-Hg-189



MAT 8005

(n,d) Levels  
293 Kelvin Cross Sections

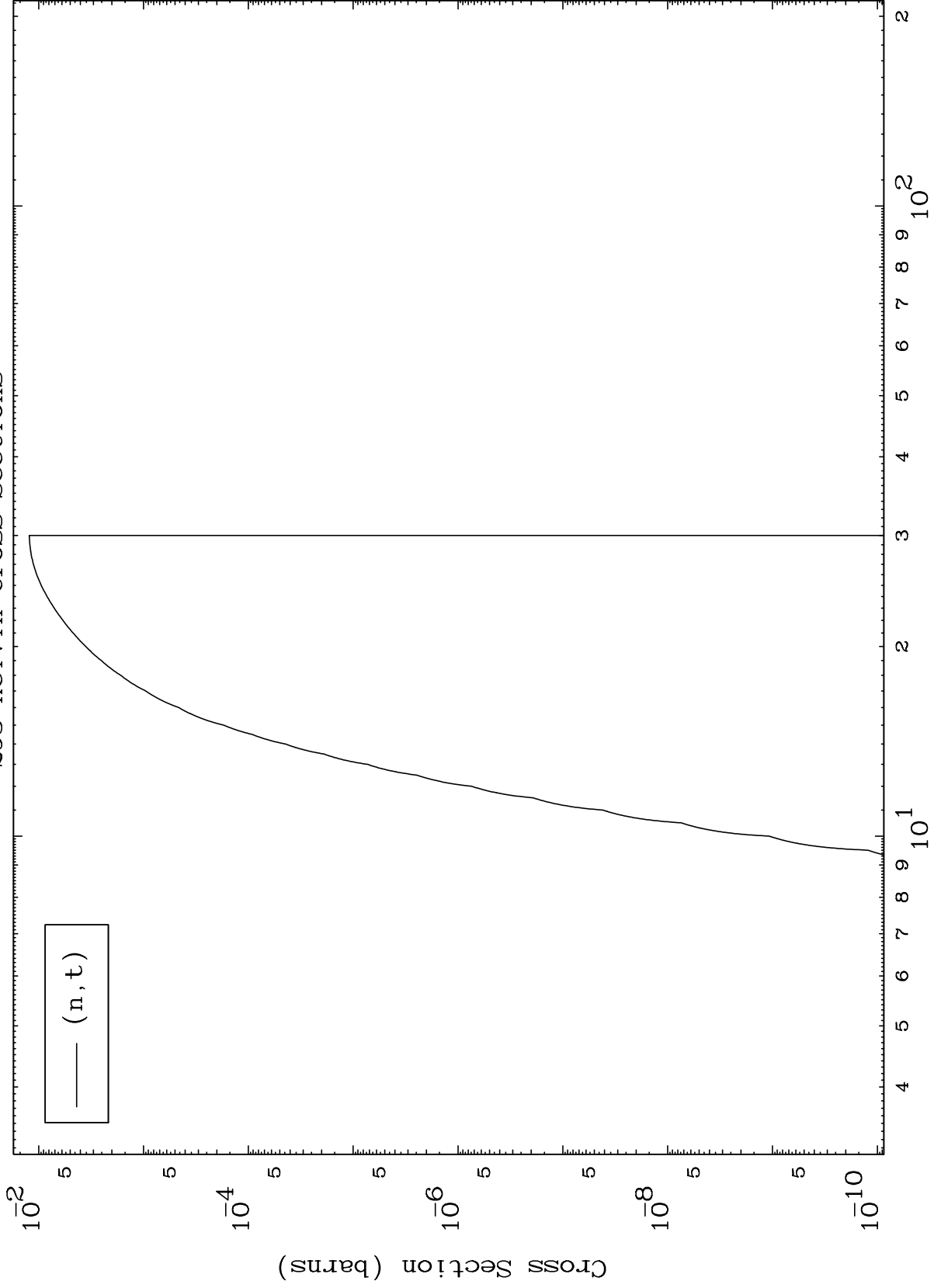
80-Hg-189



MAT 8005

(n,t) Levels  
293 Kelvin Cross Sections

80-Hg-189



12

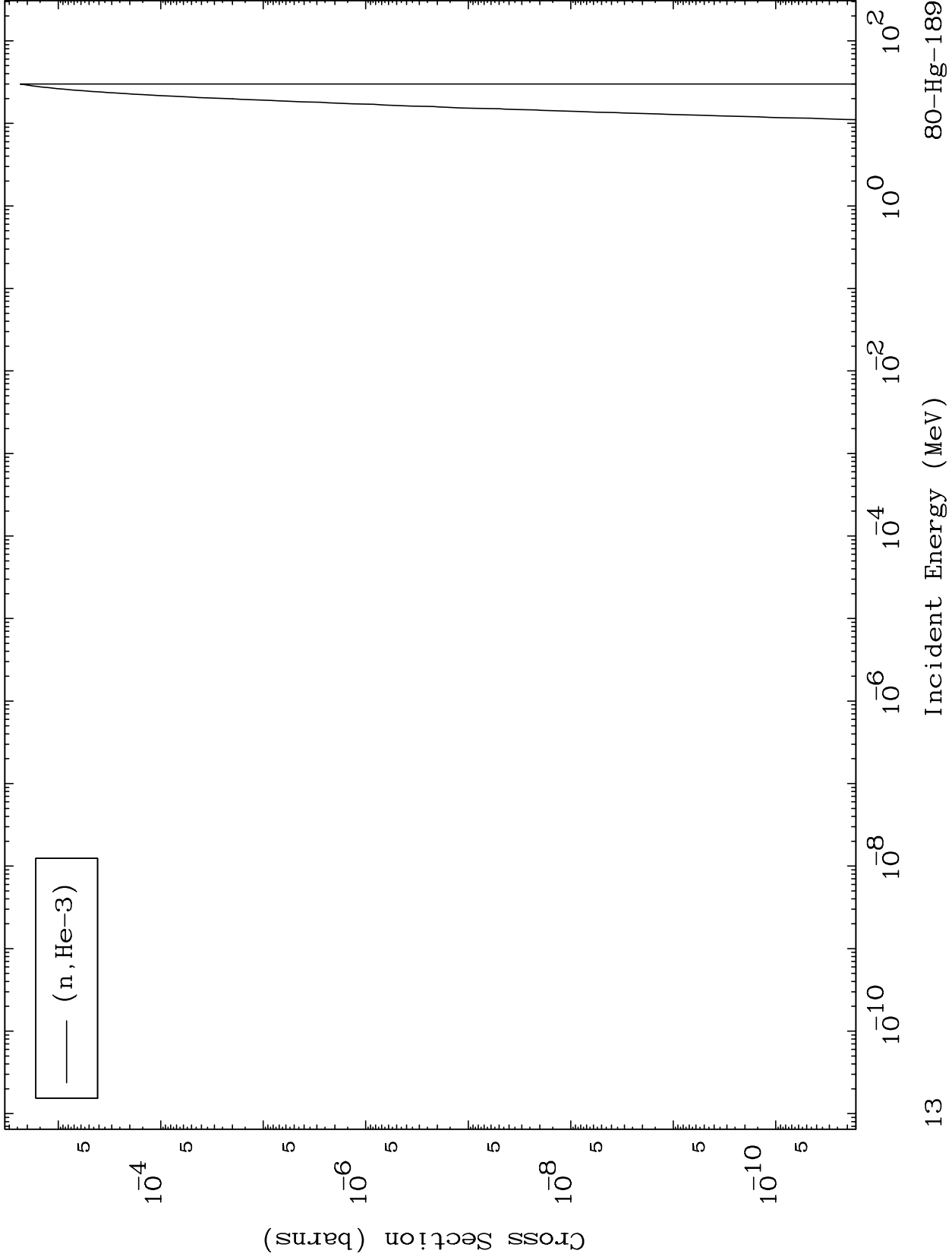
Incident Energy (MeV)

80-Hg-189

MAT 8005

(n,He3) Levels  
293 Kelvin Cross Sections

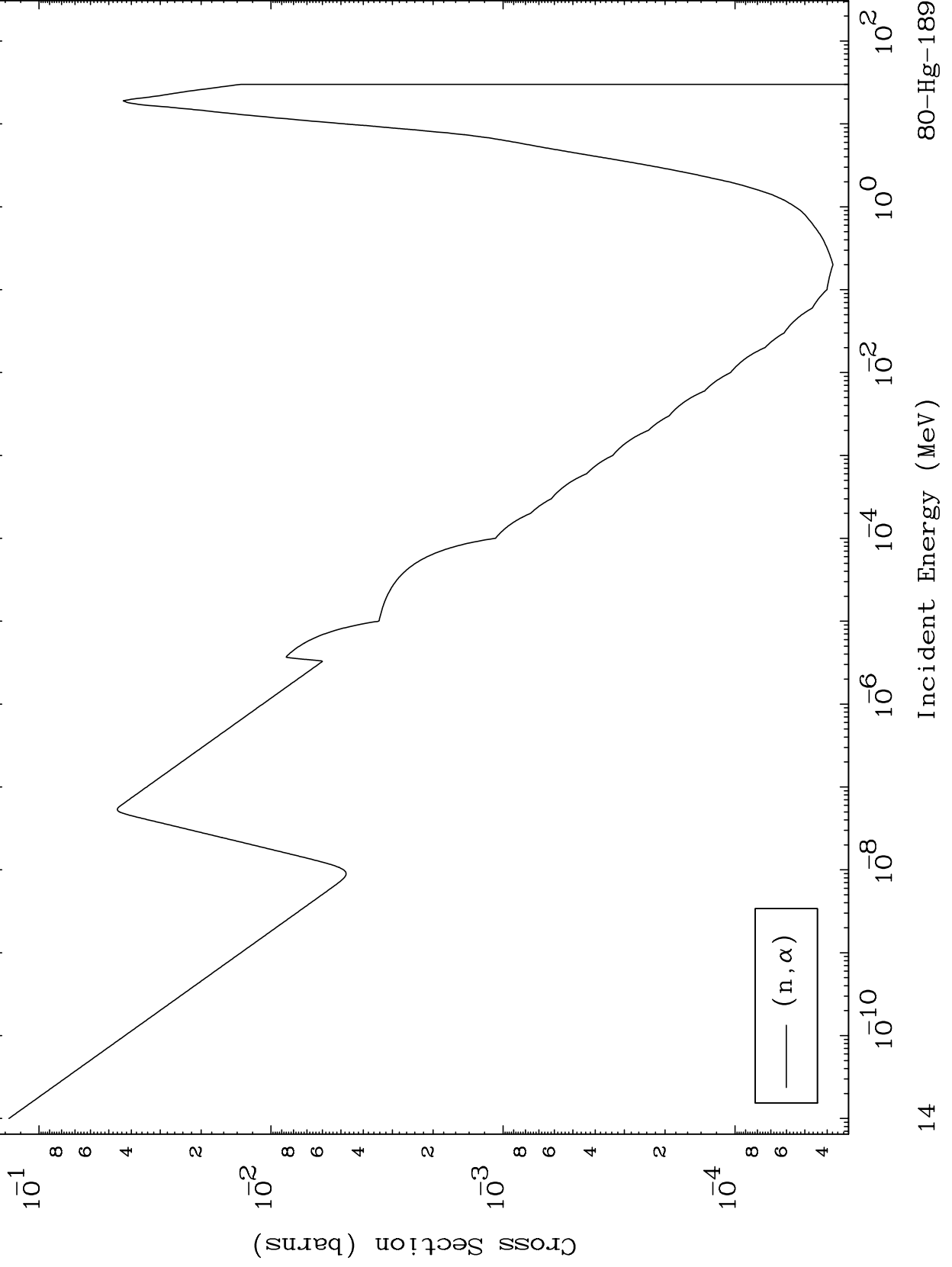
80-Hg-189

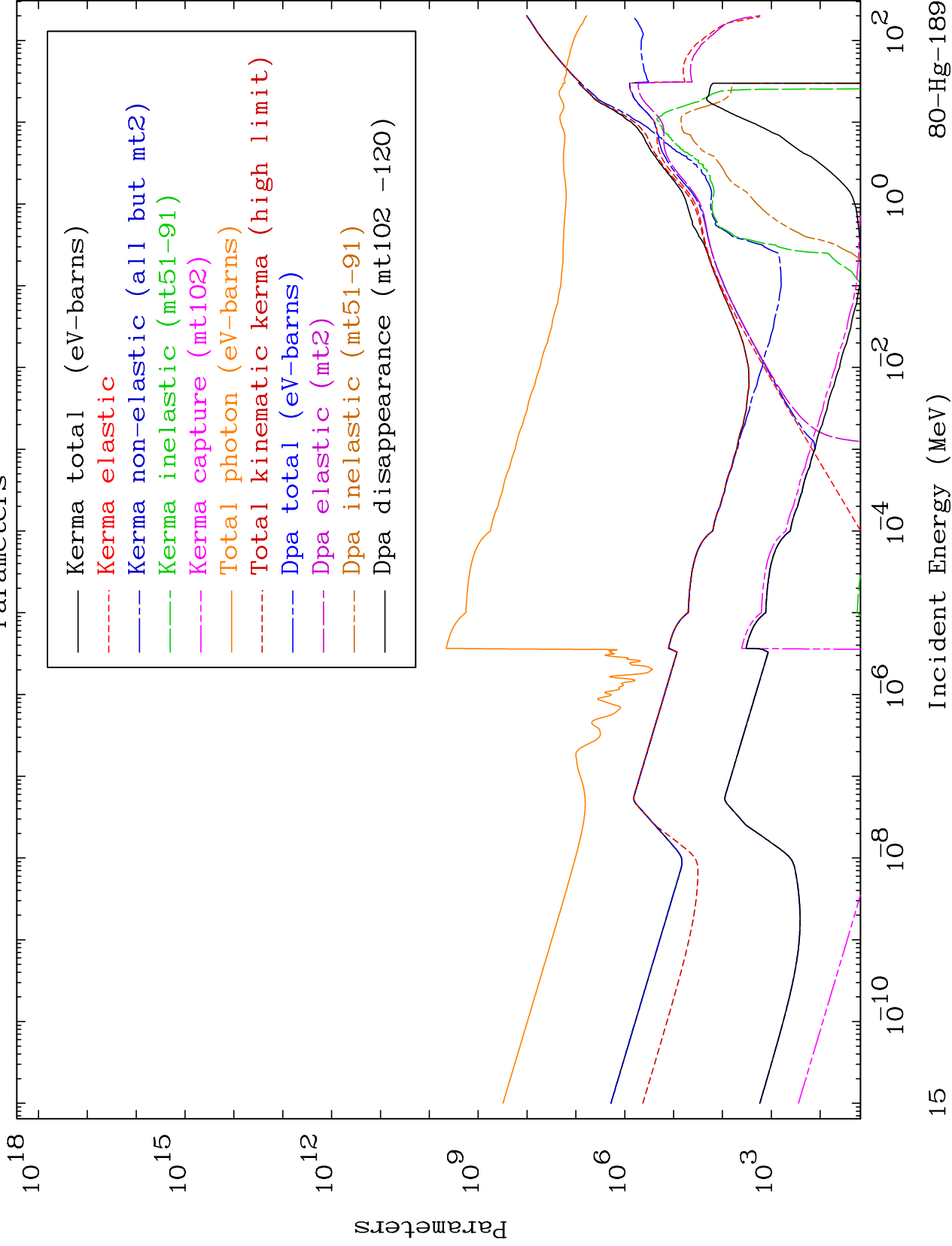


MAT 8005

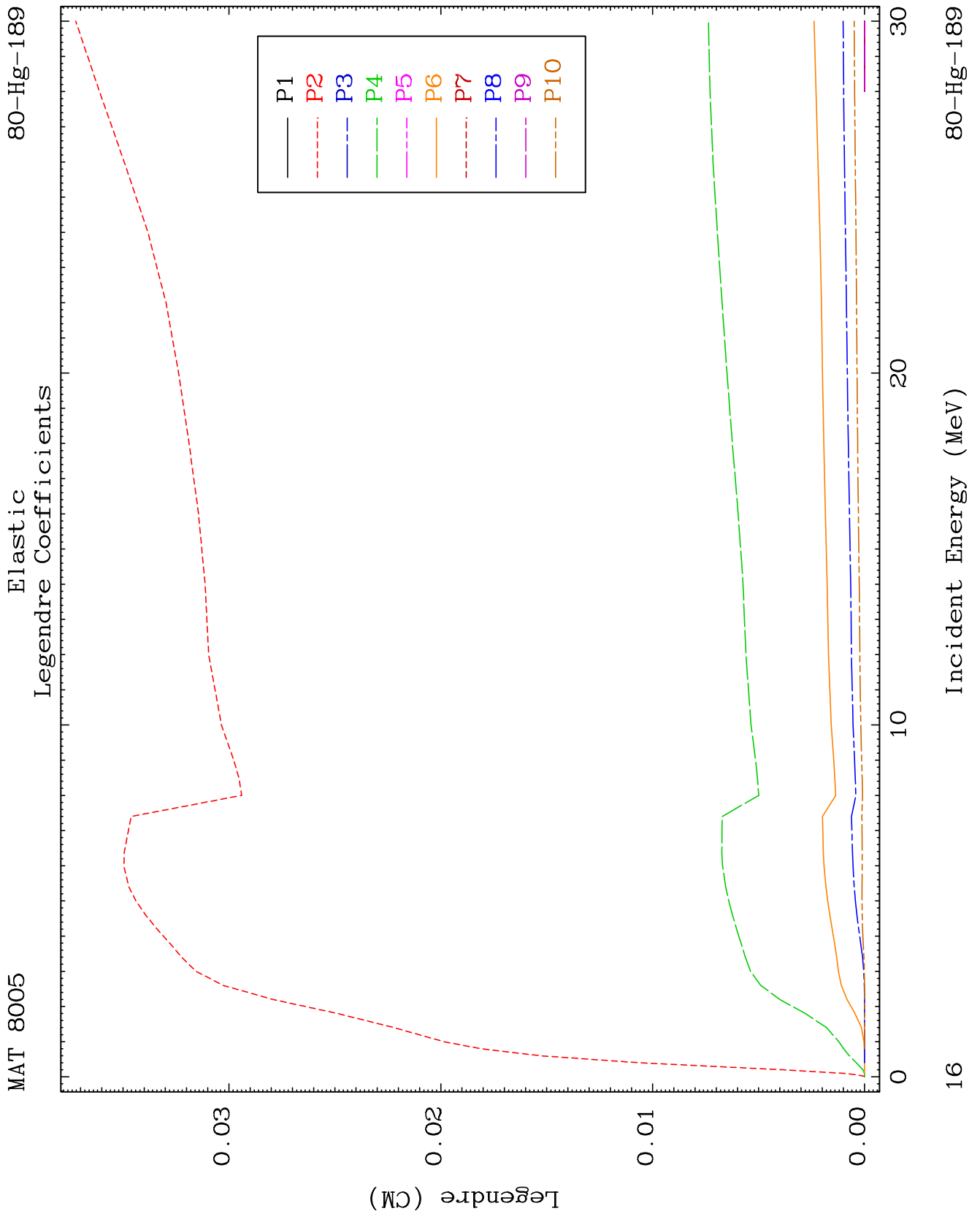
(n,α) Levels  
293 Kelvin Cross Sections

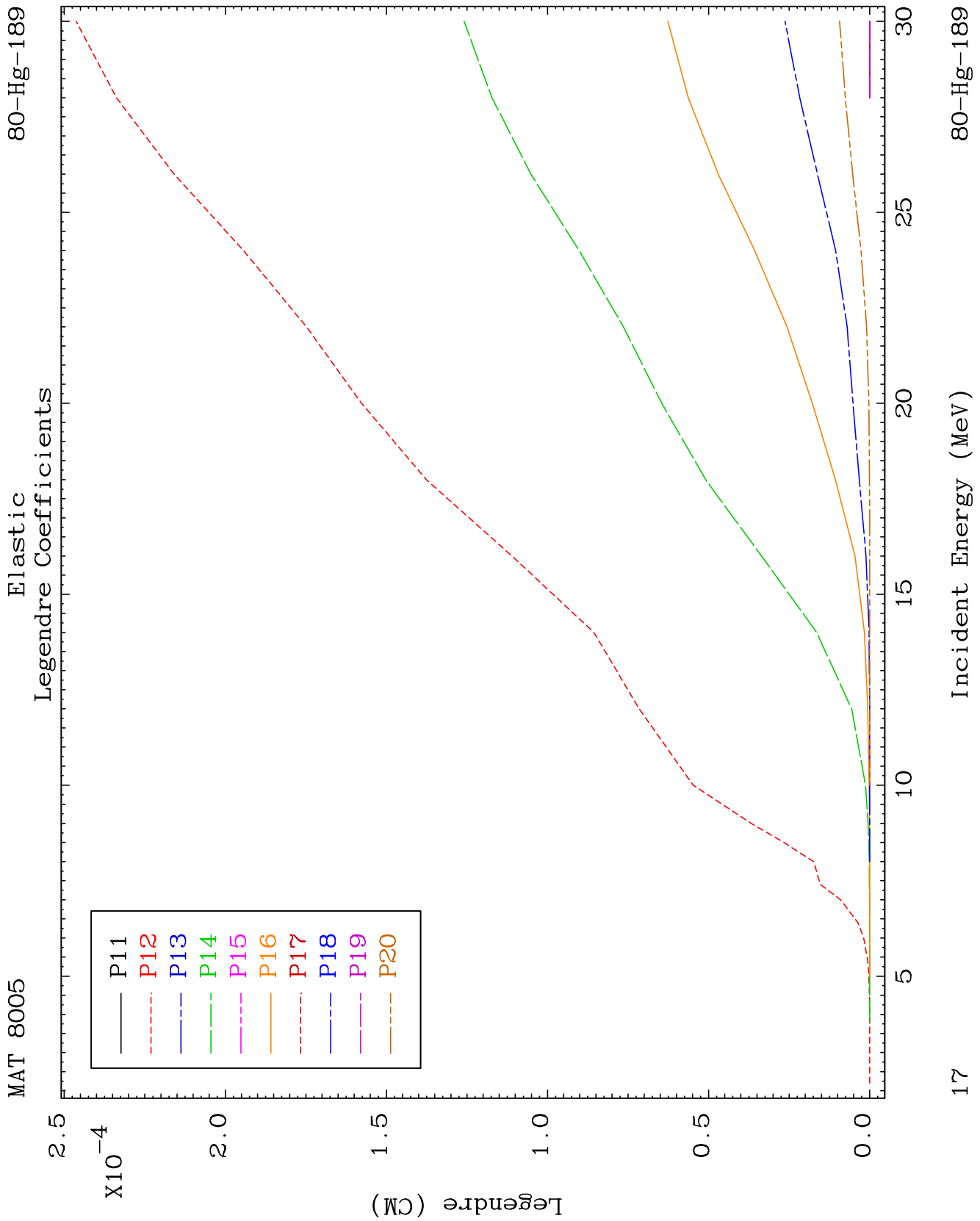
80-Hg-189







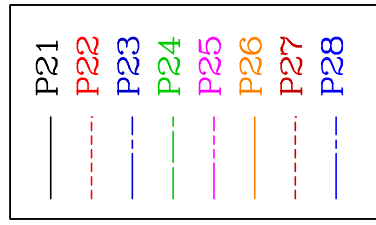




MAT 8005

Elastic Legendre Coefficients

80-Hg-189



X10<sup>-6</sup>  
Legendre (CM)



18

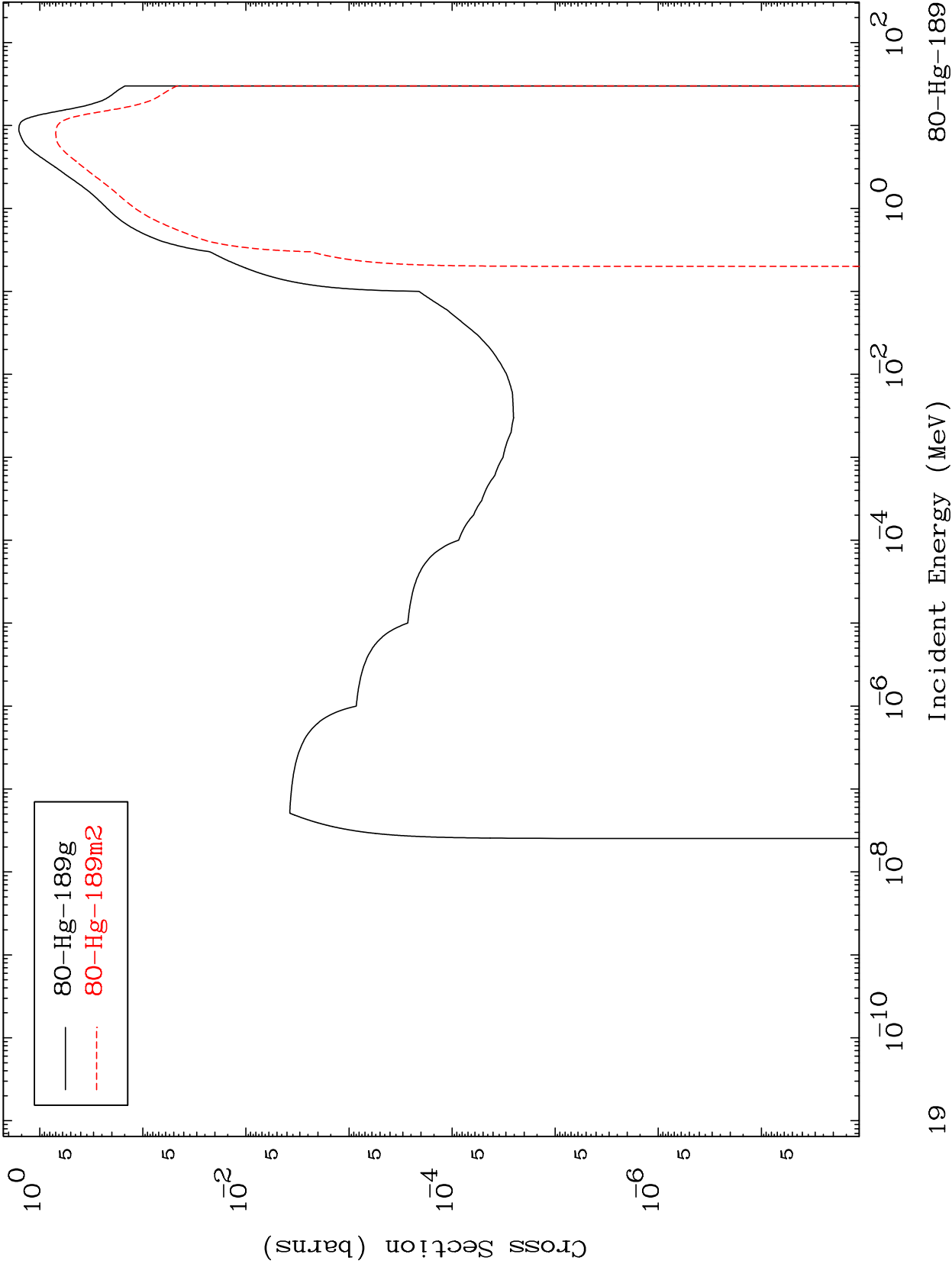
Incident Energy (MeV)

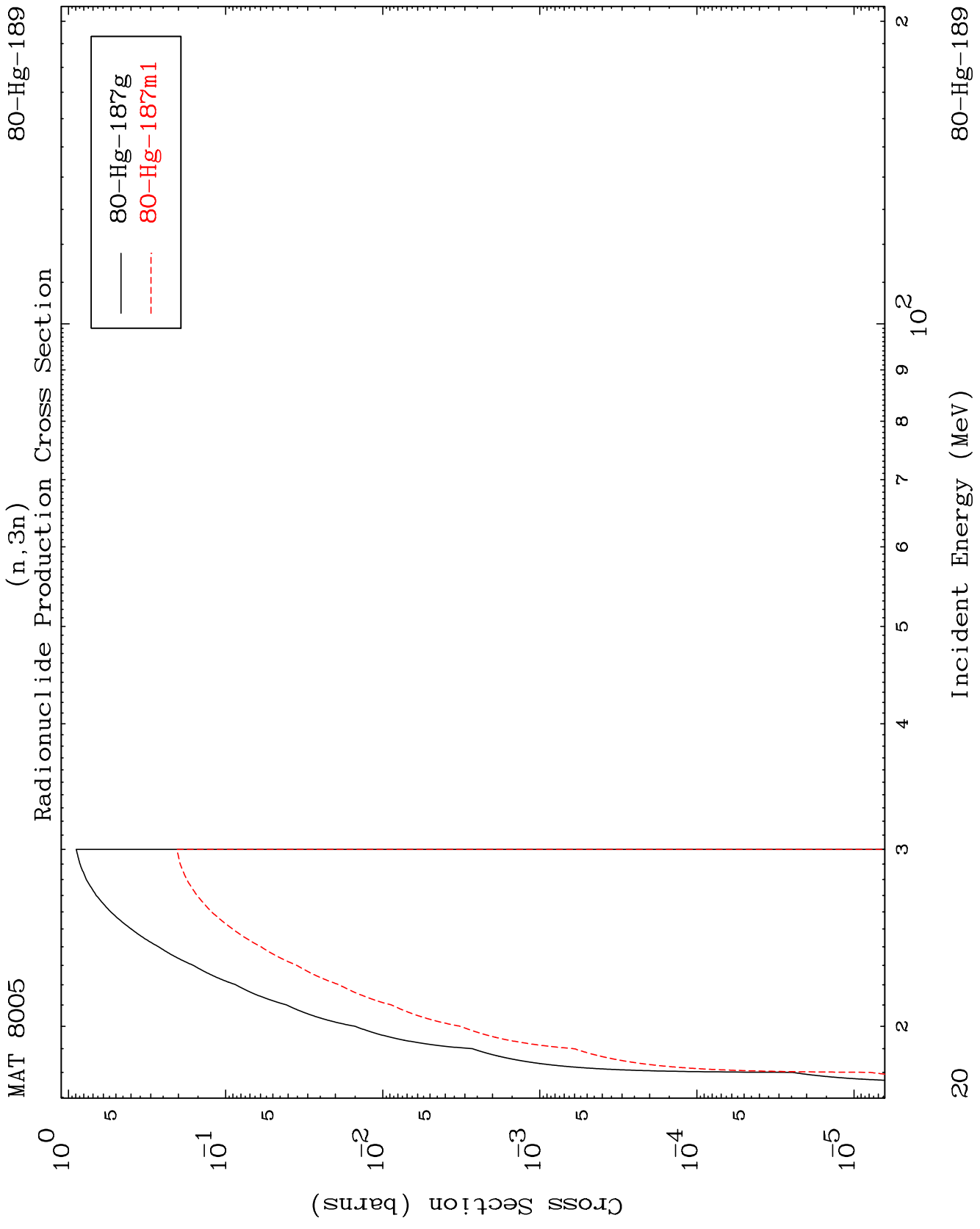
80-Hg-189

MAT 8005

Inelastic  
Radionuclide Production Cross Section

80-Hg-189

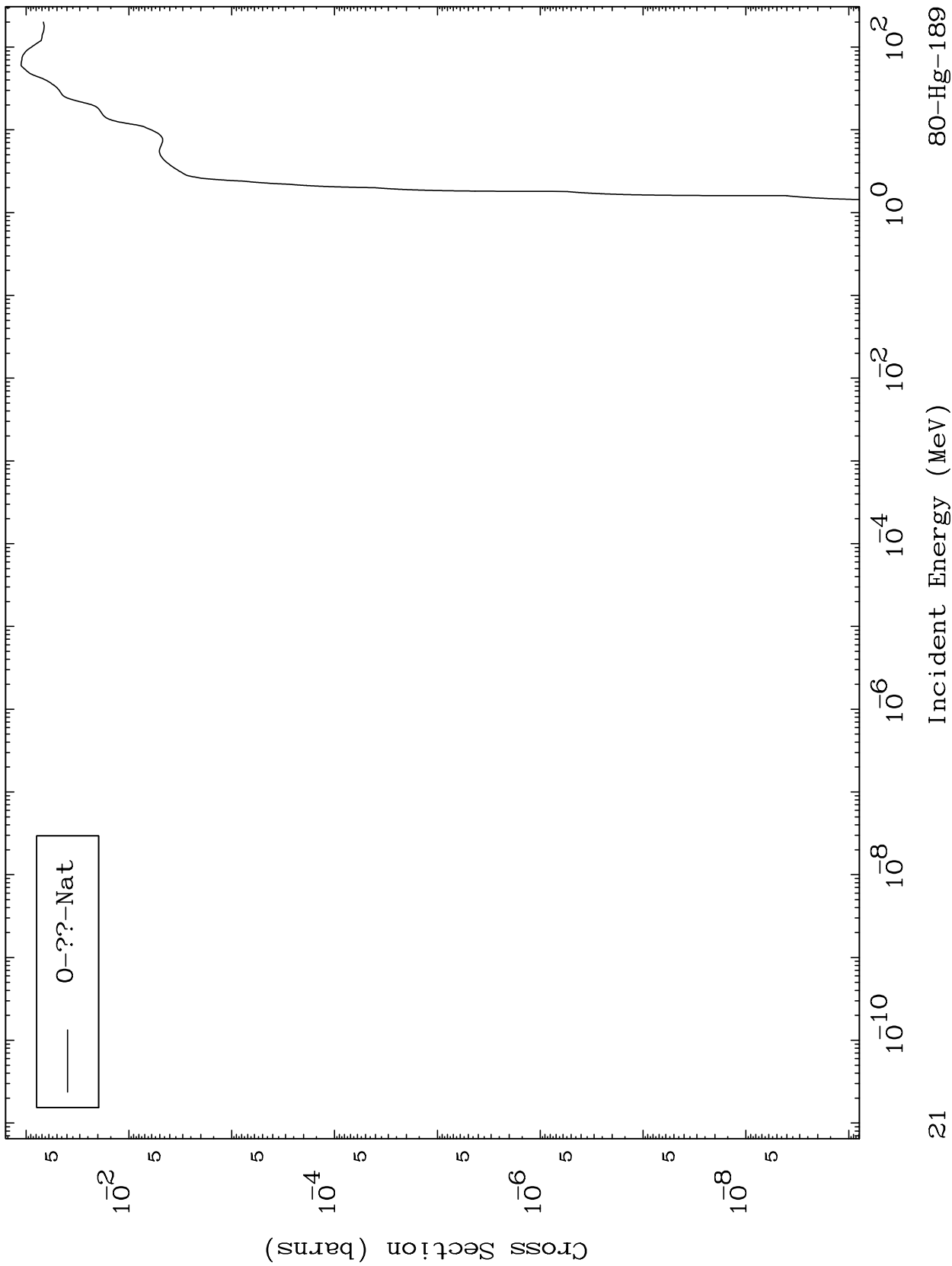




MAT 8005

Fission  
Radionuclide Production Cross Section

80-Hg-189

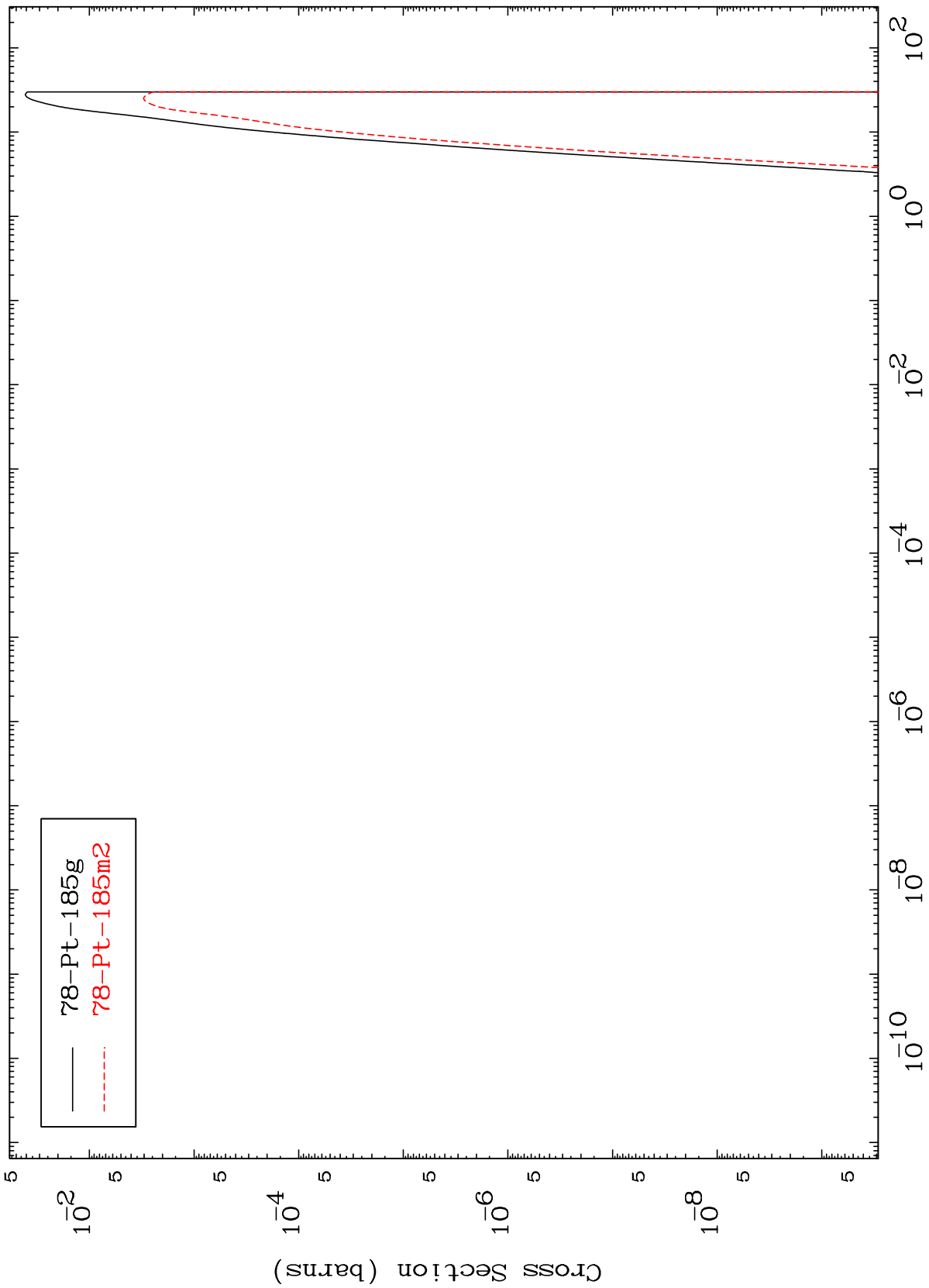


MAT 8005

$(n, n') \alpha$

80-Hg-189

Radionuclide Production Cross Section

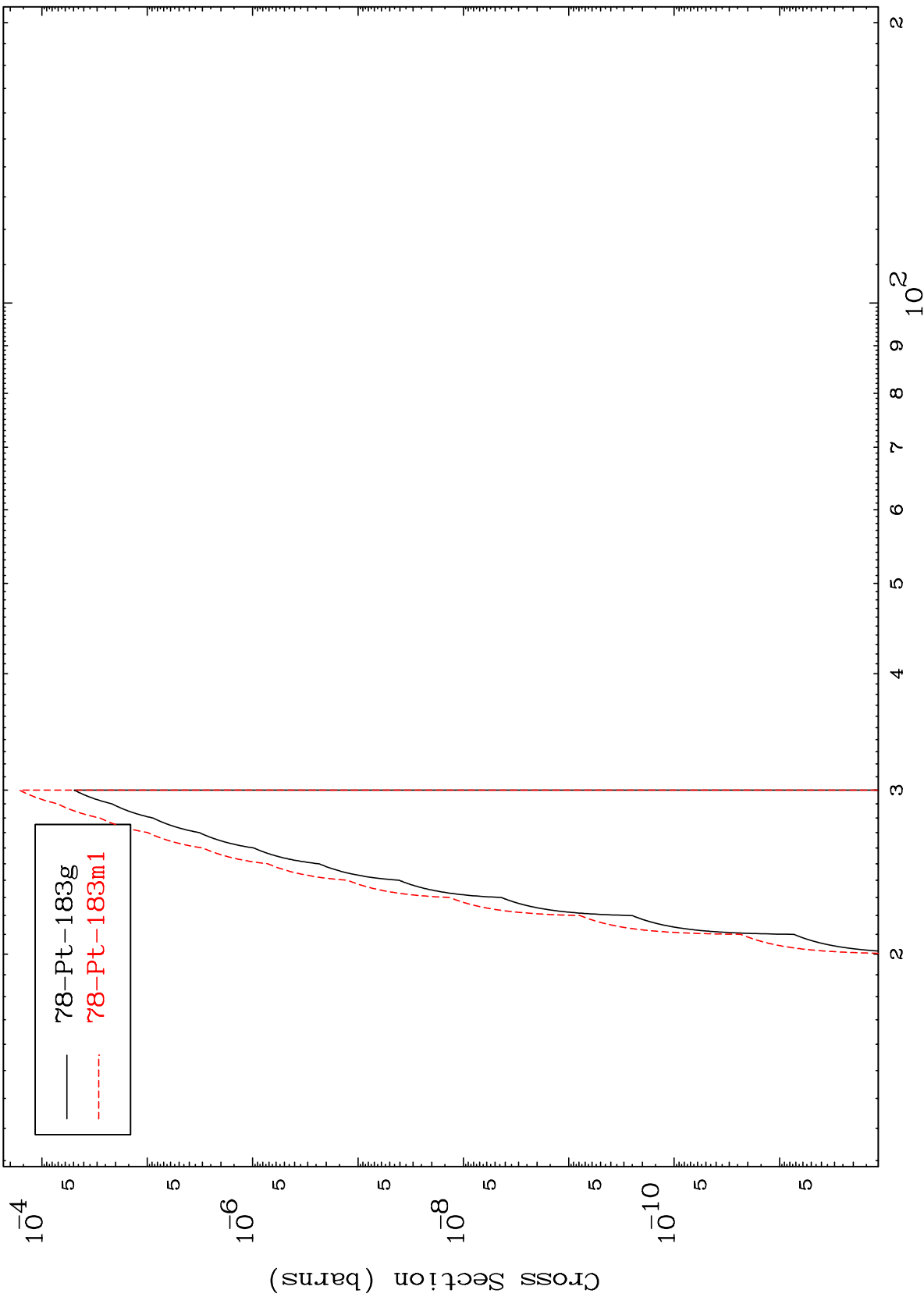


MAT 8005

(n,3n)  $\alpha$

80-Hg-189

Radionuclide Production Cross Section



Incident Energy (MeV)

80-Hg-189

23

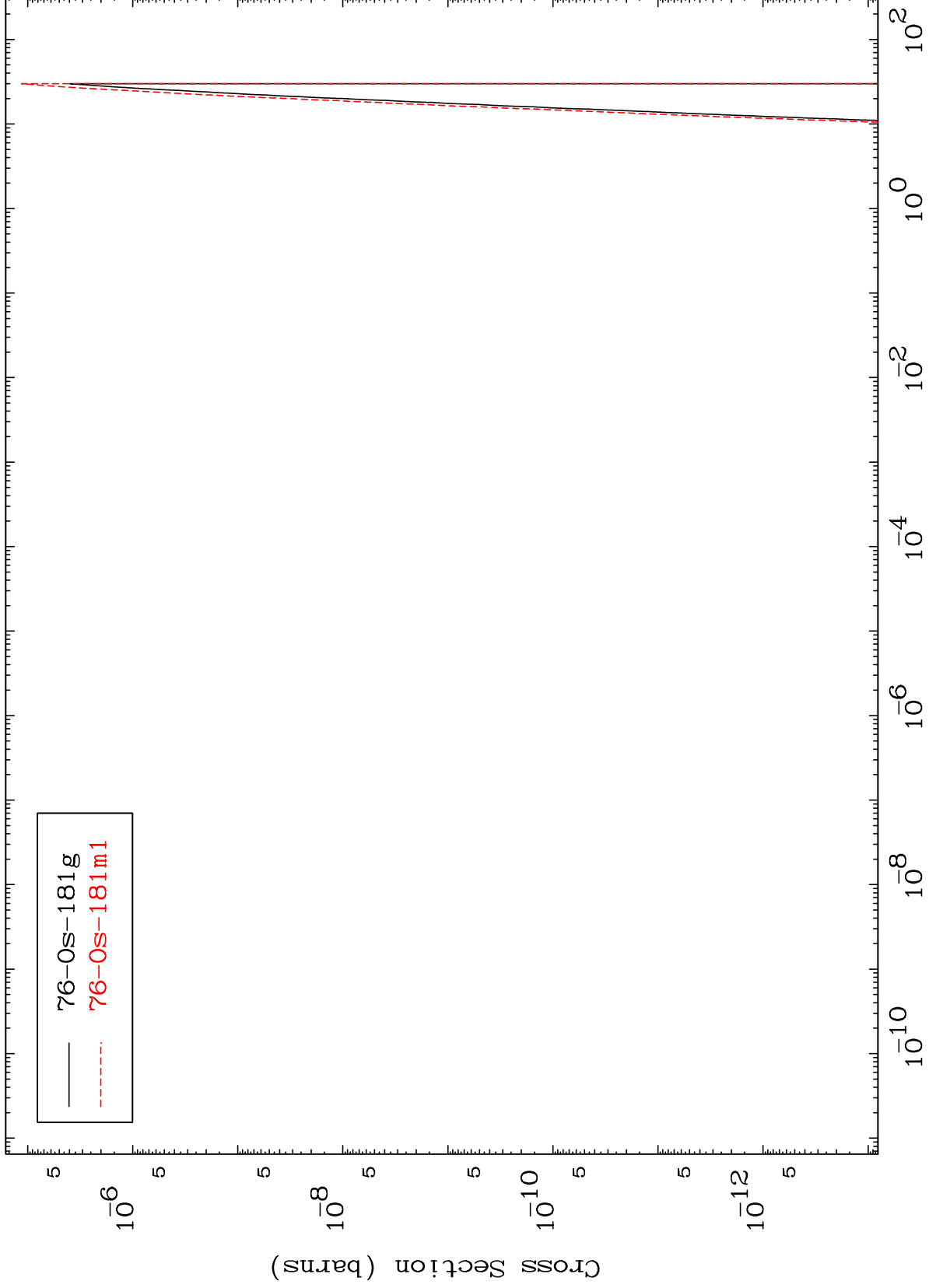


MAT 8005

(n,n') 2 $\alpha$

80-Hg-189

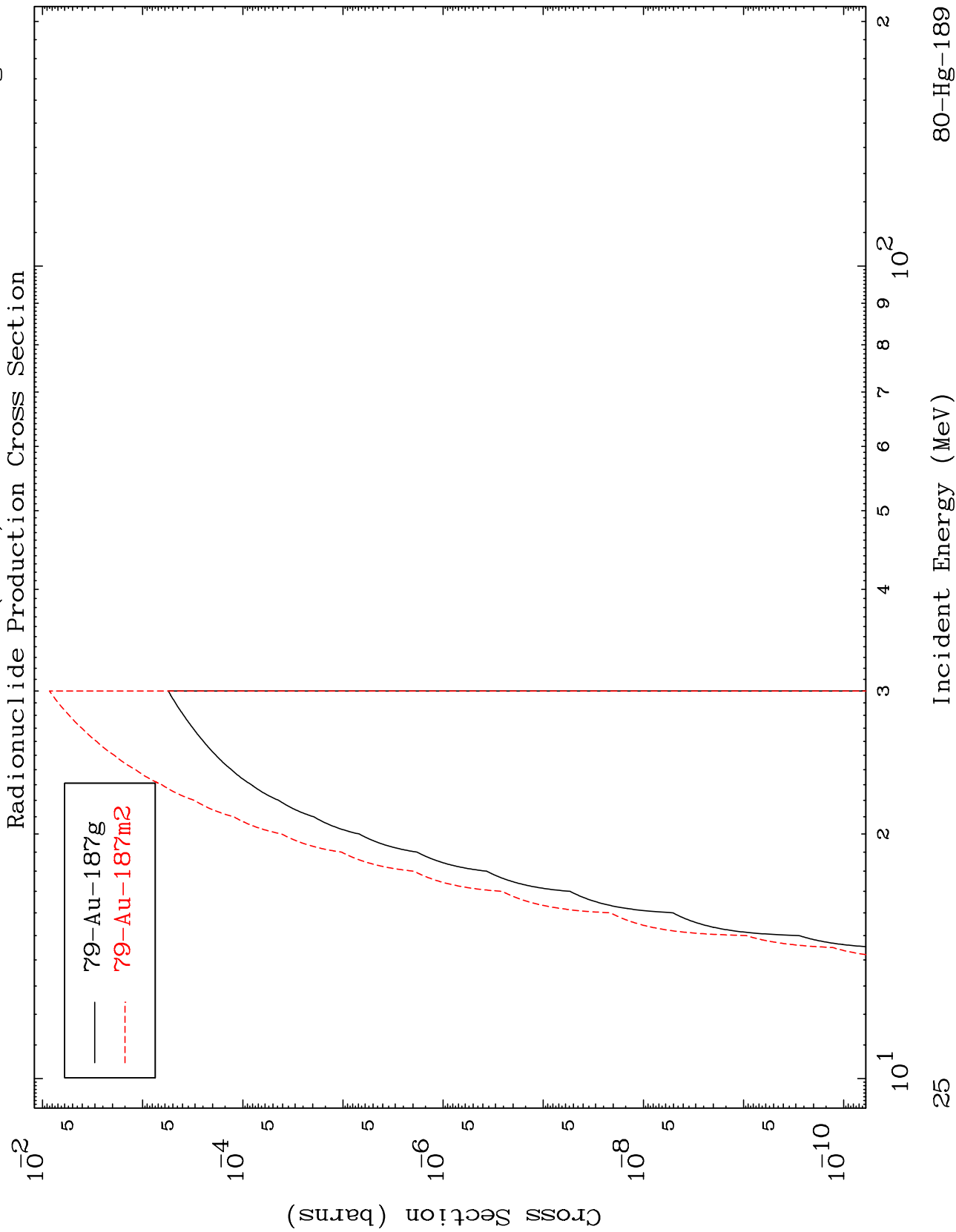
Radionuclide Production Cross Section



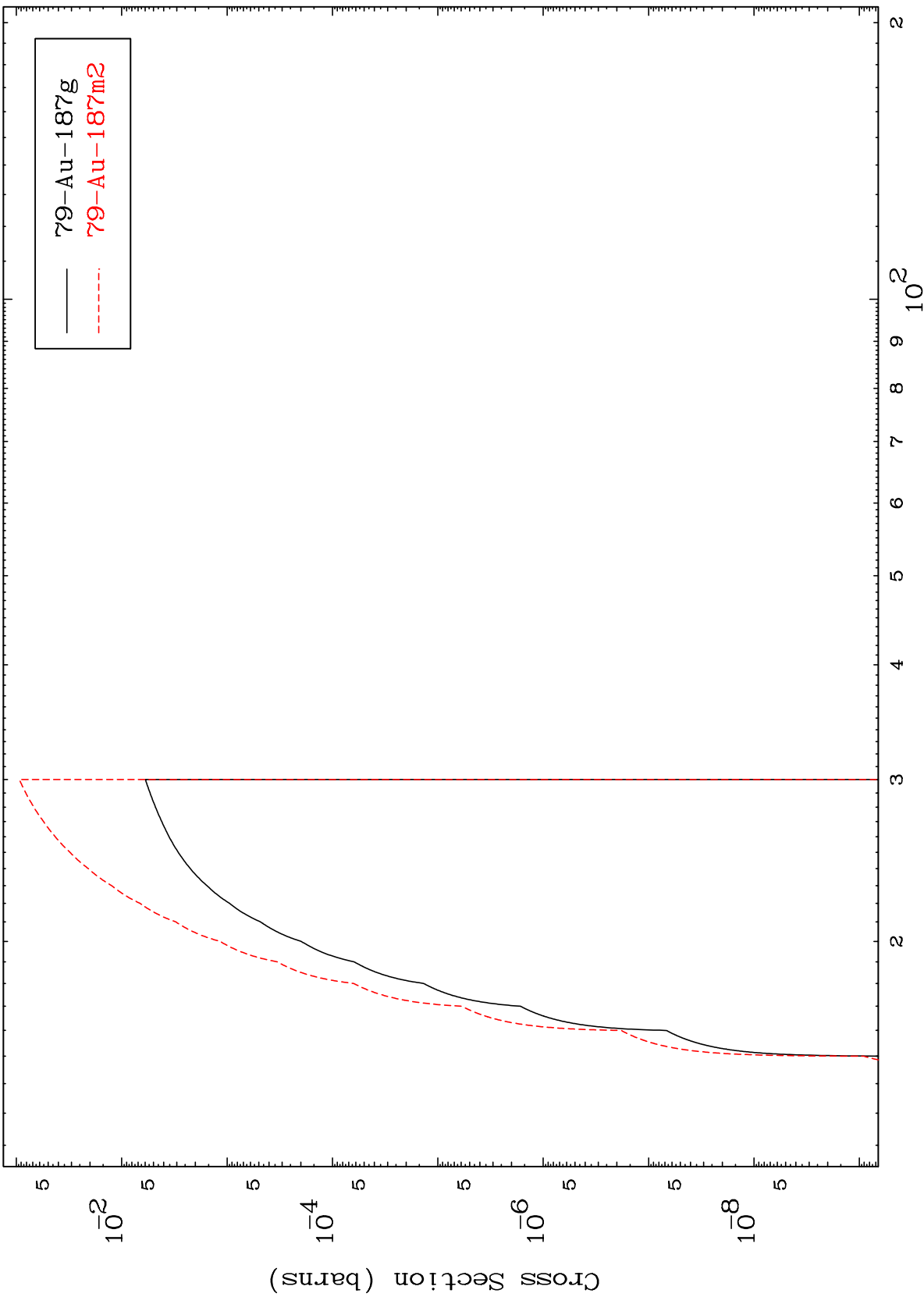
MAT 8005

(n,n') d

80-Hg-189



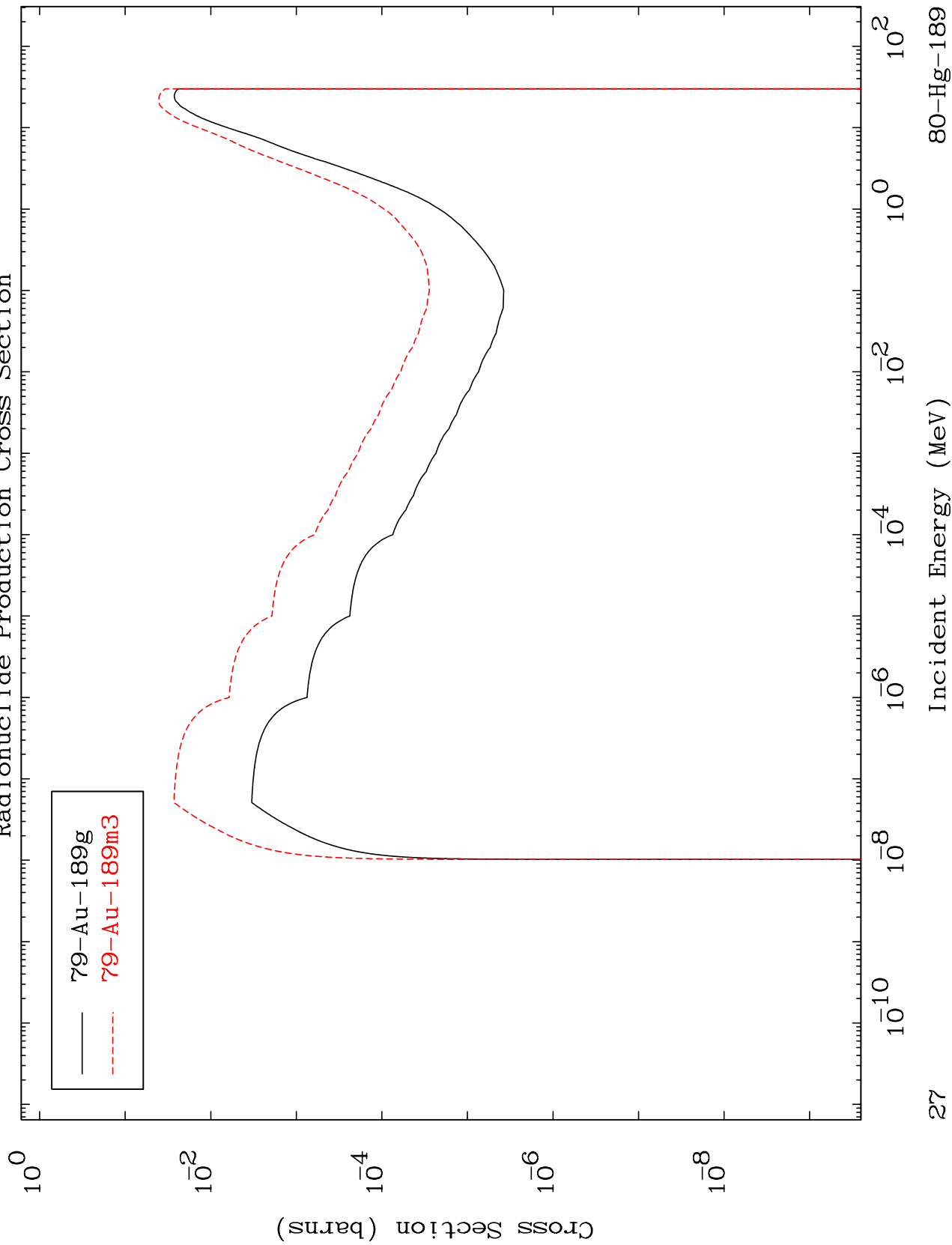
Radionuclide Production Cross Section



MAT 8005

80-Hg-189

Radionuclide Production Cross Section (n,p)

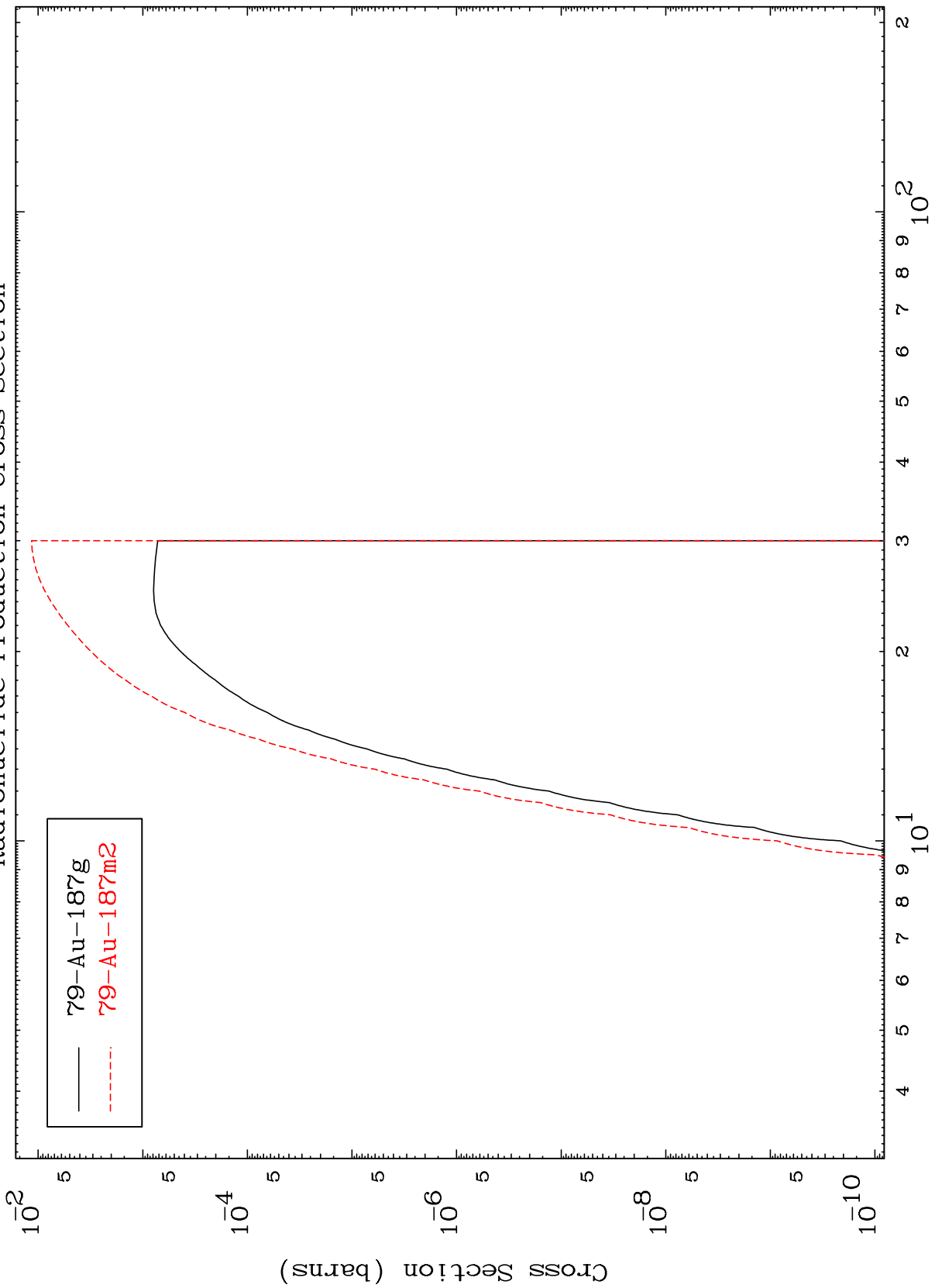


79-Au-189g  
79-Au-189m3

MAT 8005

80-Hg-189

Radionuclide Production Cross Section



Incident Energy (MeV)

80-Hg-189

28