

Program EVALPLOT  
(Version 2021-1)

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

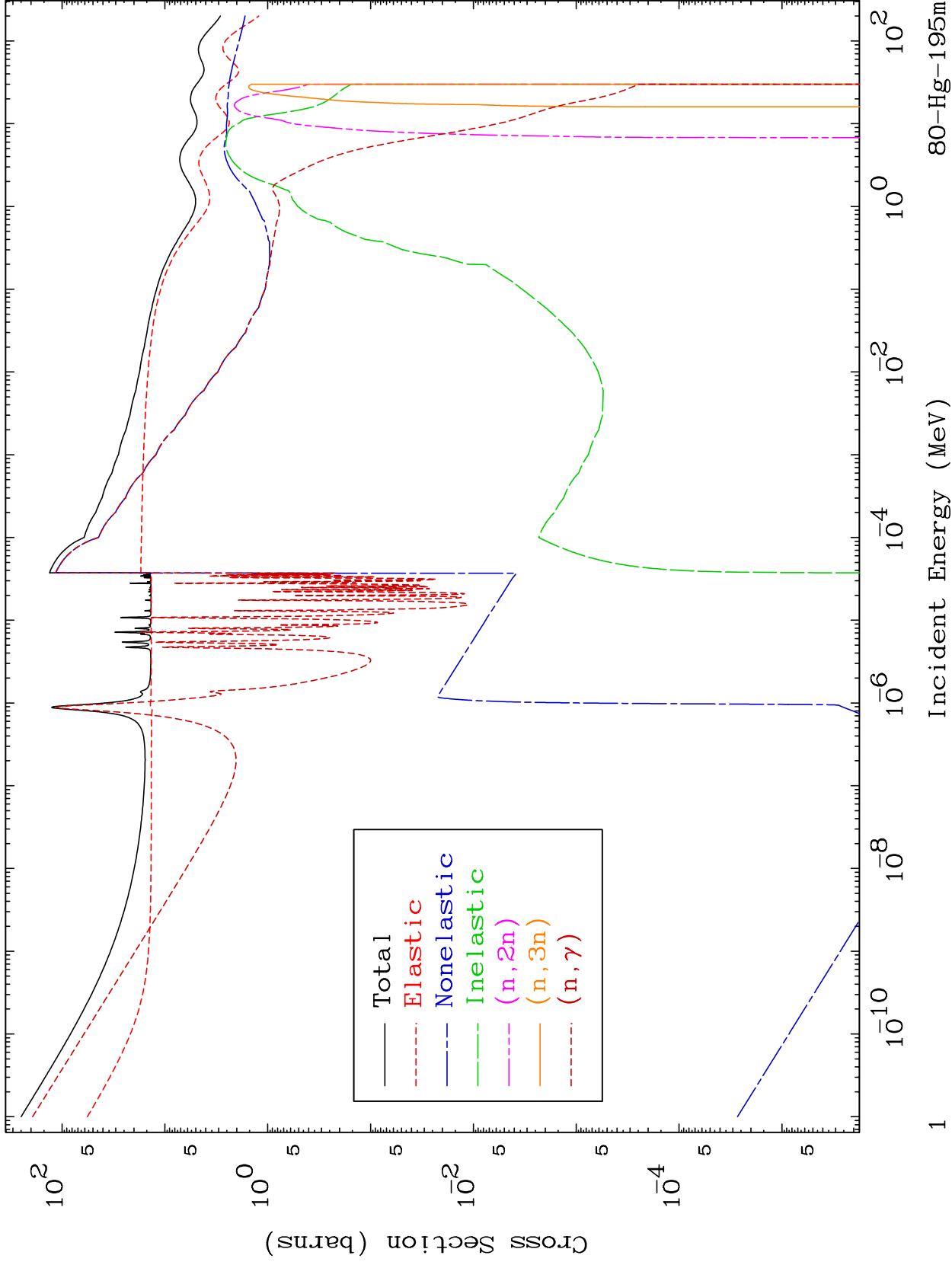
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8023

Neutron Major  
293 Kelvin Cross Sections

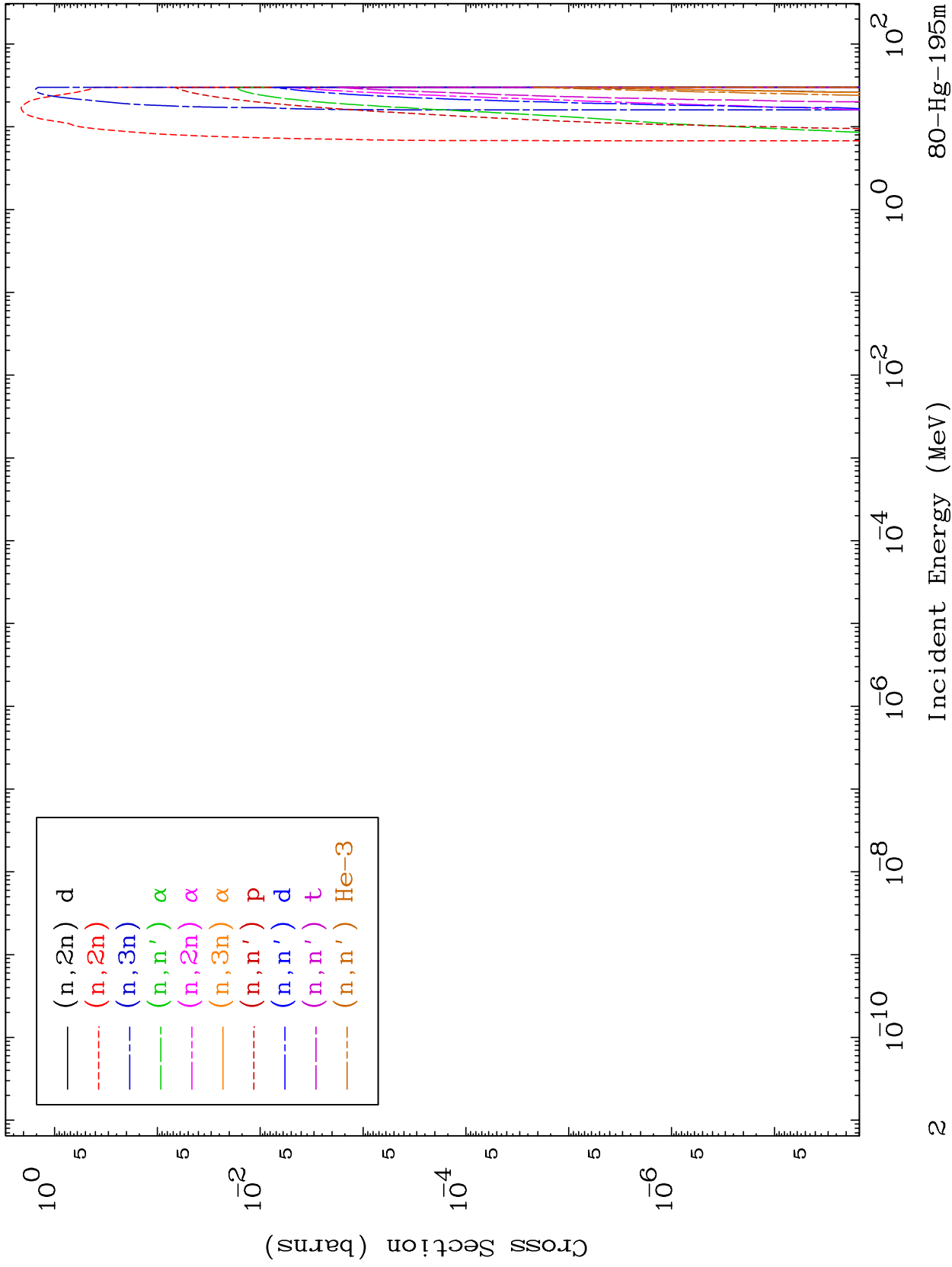
80-Hg-195m



MAT 8023

Neutron Absorption  
293 Kelvin Cross Sections

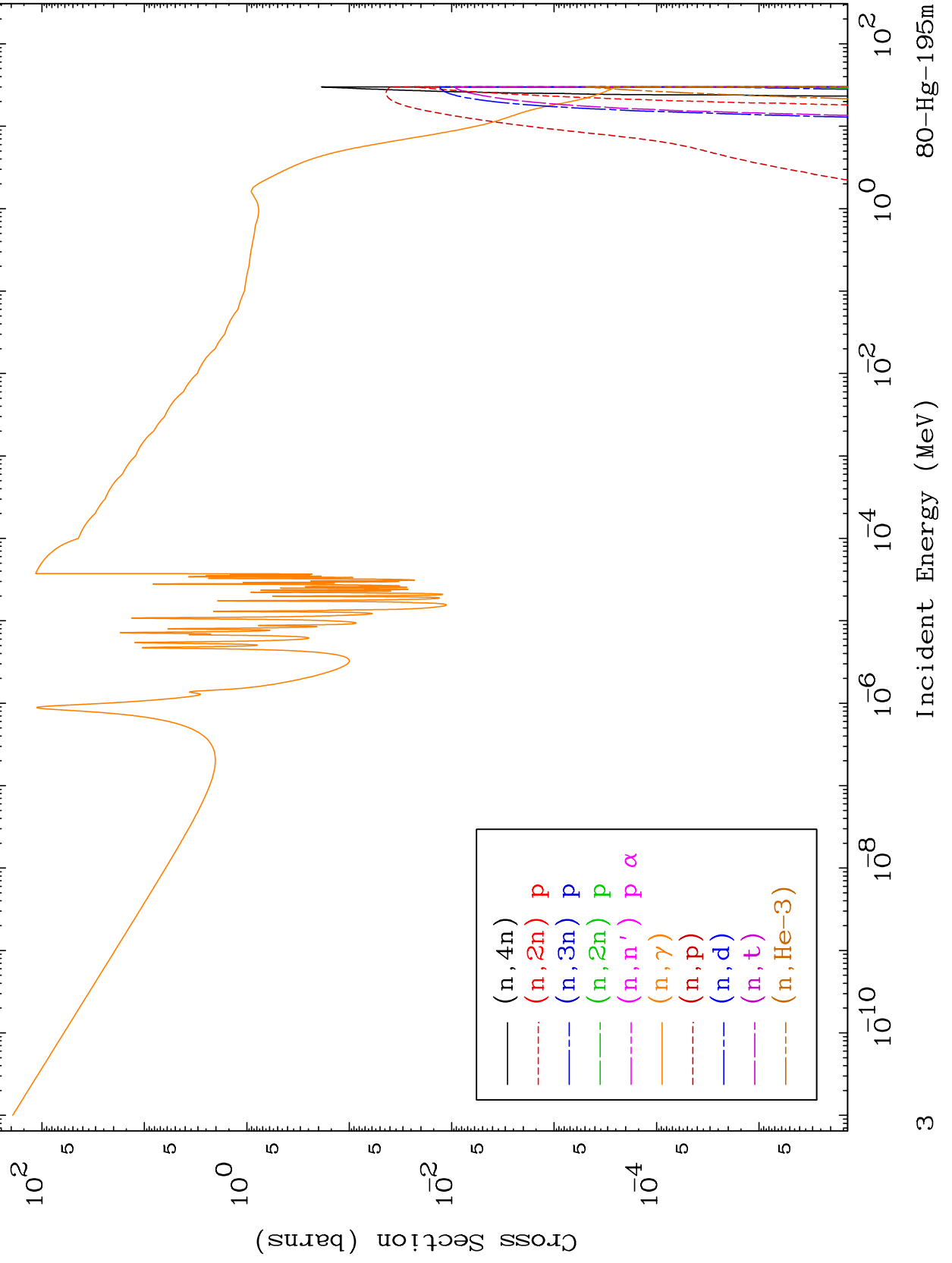
80-Hg-195m

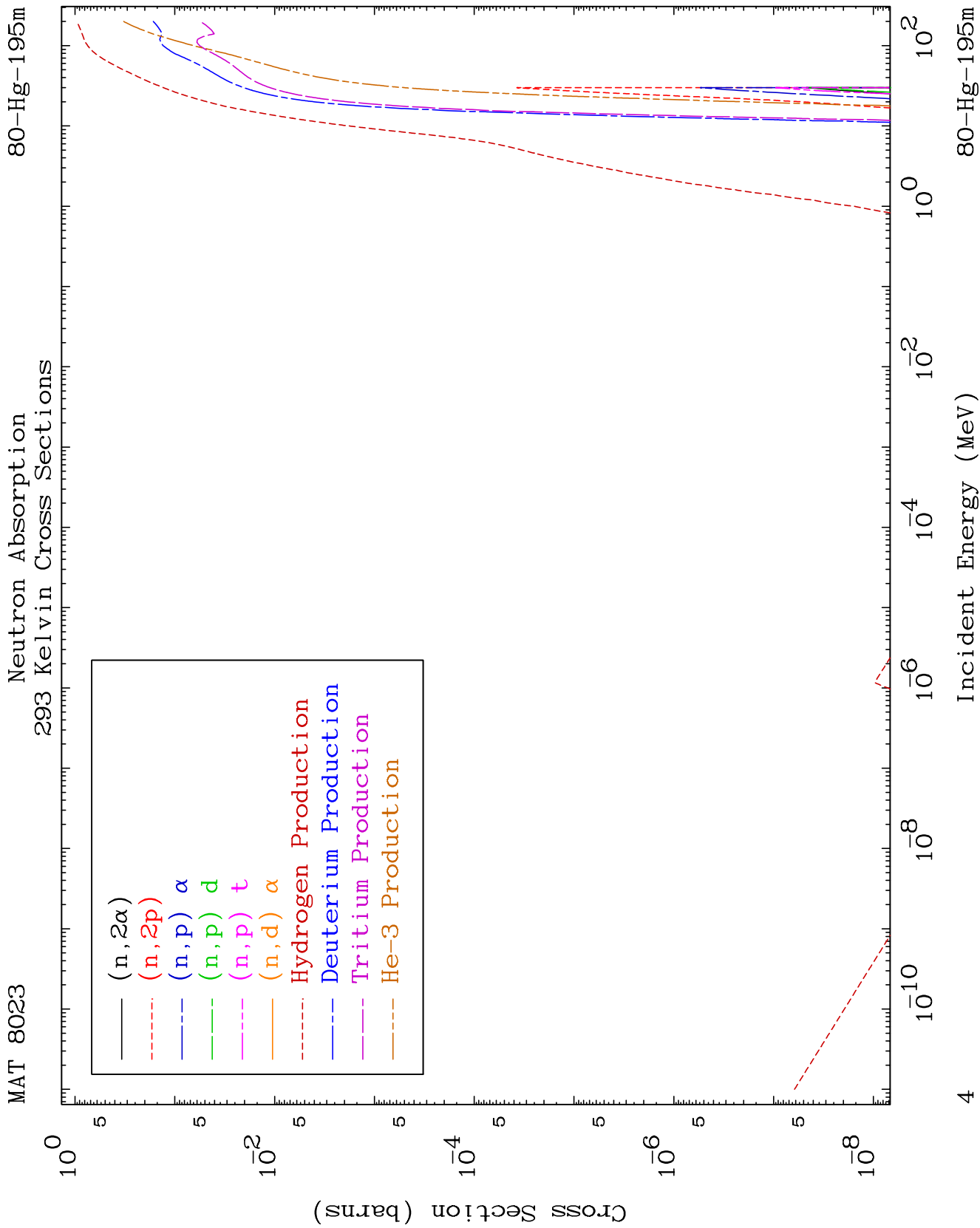


MAT 8023

Neutron Absorption  
293 Kelvin Cross Sections

80-Hg-195m

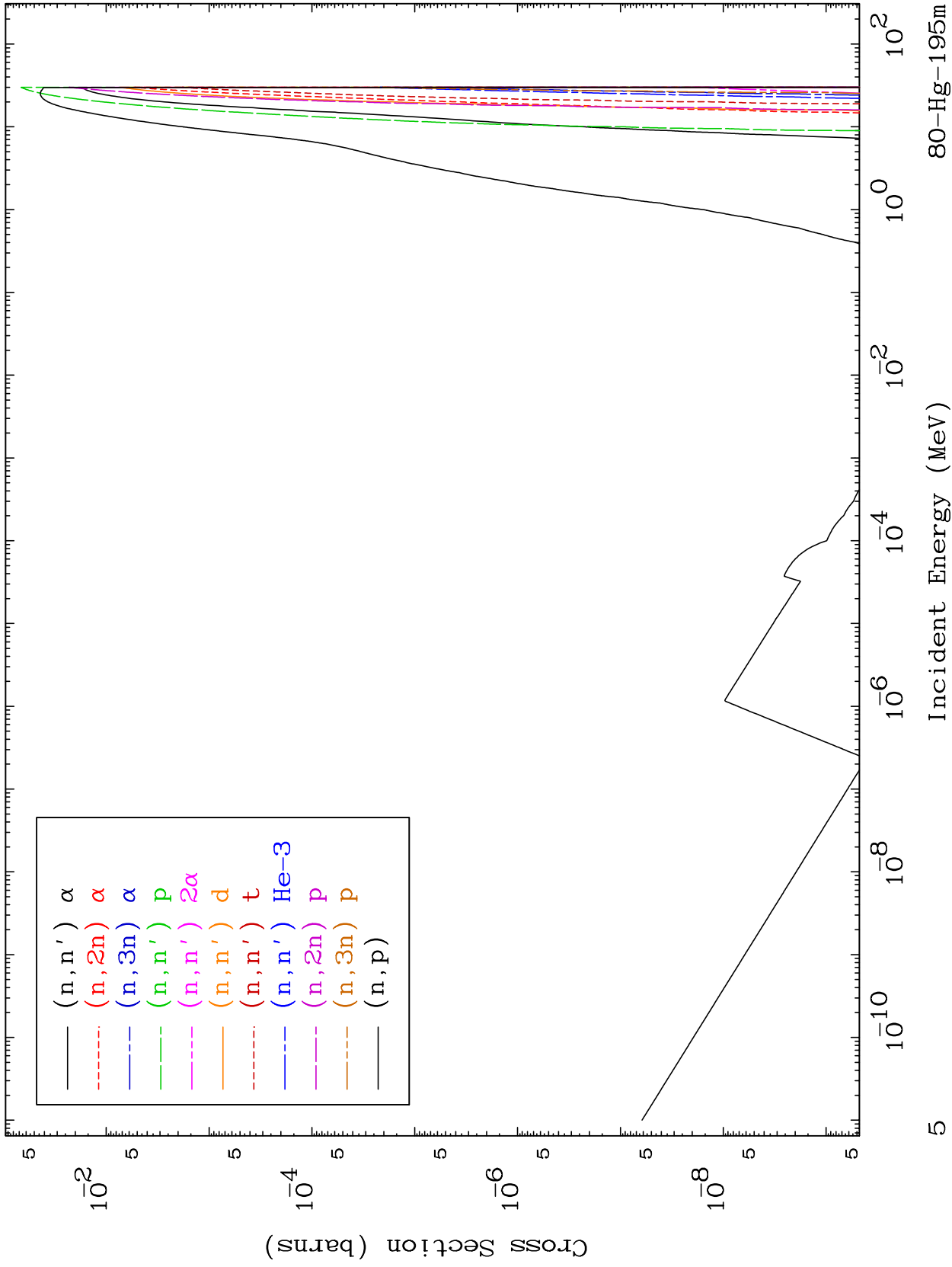




MAT 8023

Charged Particle  
293 Kelvin Cross Sections

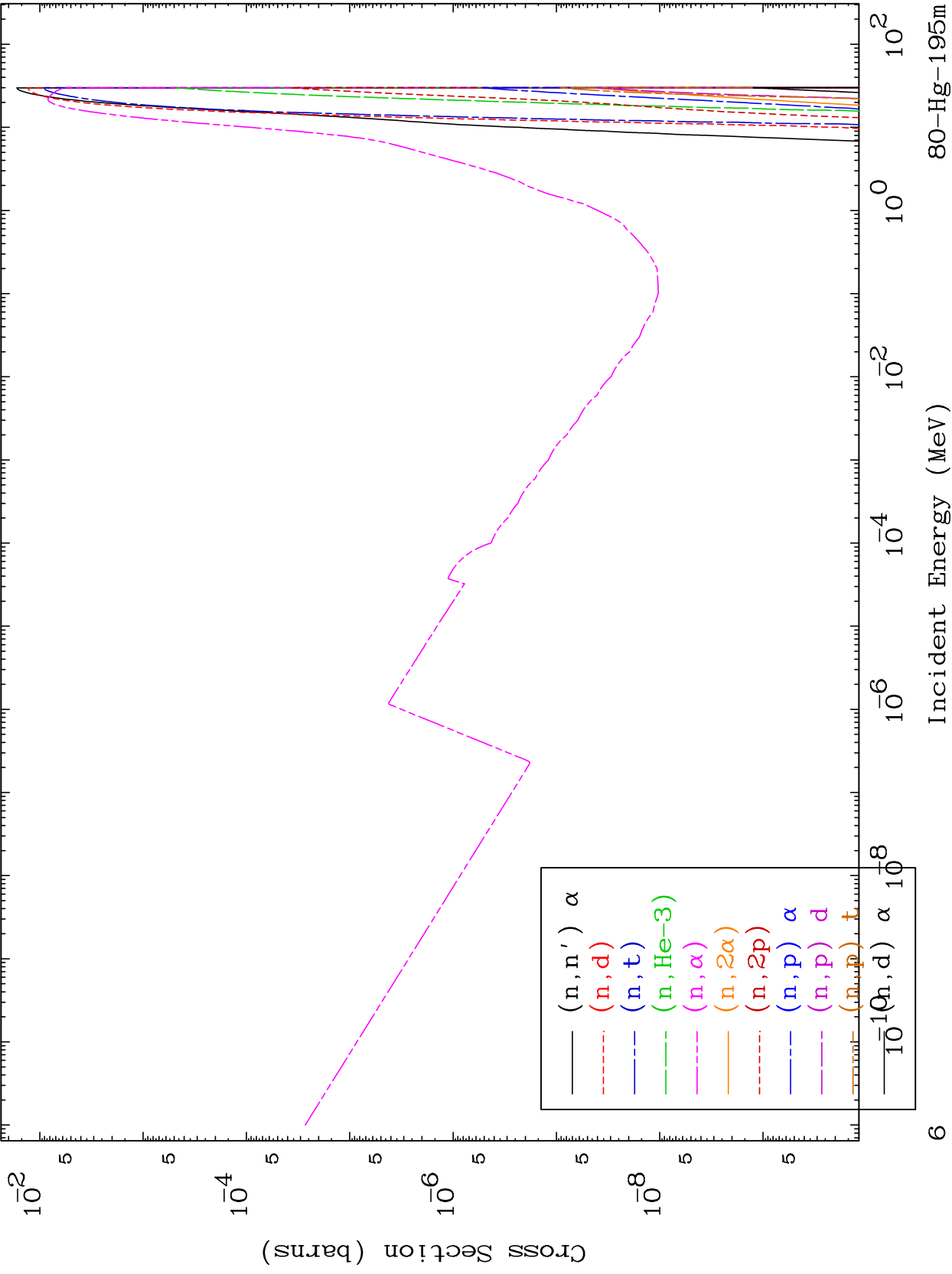
80-Hg-195m



MAT 8023

Charged Particle  
293 Kelvin Cross Sections

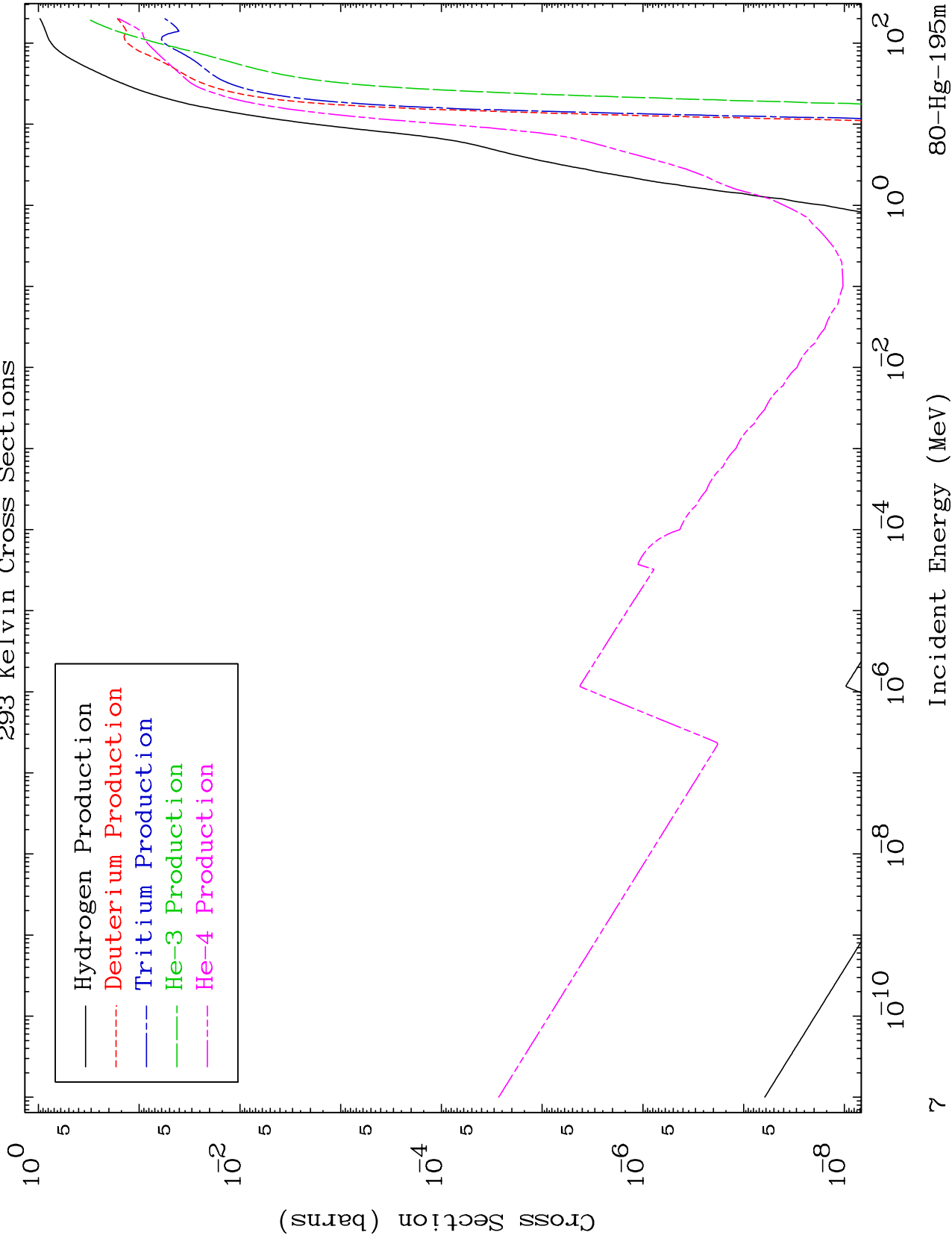
80-Hg-195m



MAT 8023

Particle Production  
293 Kelvin Cross Sections

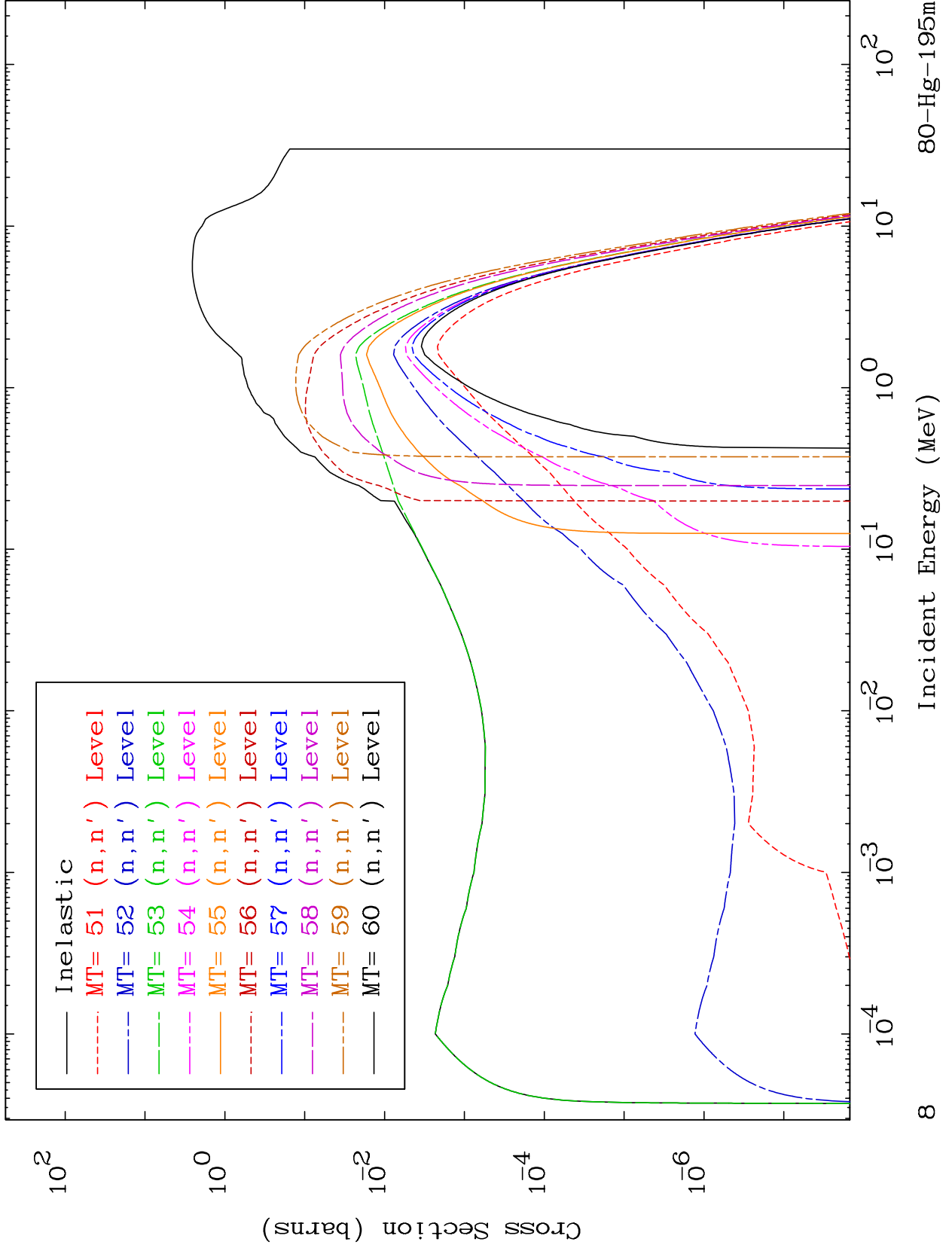
80-Hg-195m



MAT 8023

(n,n') Levels  
293 Kelvin Cross Sections

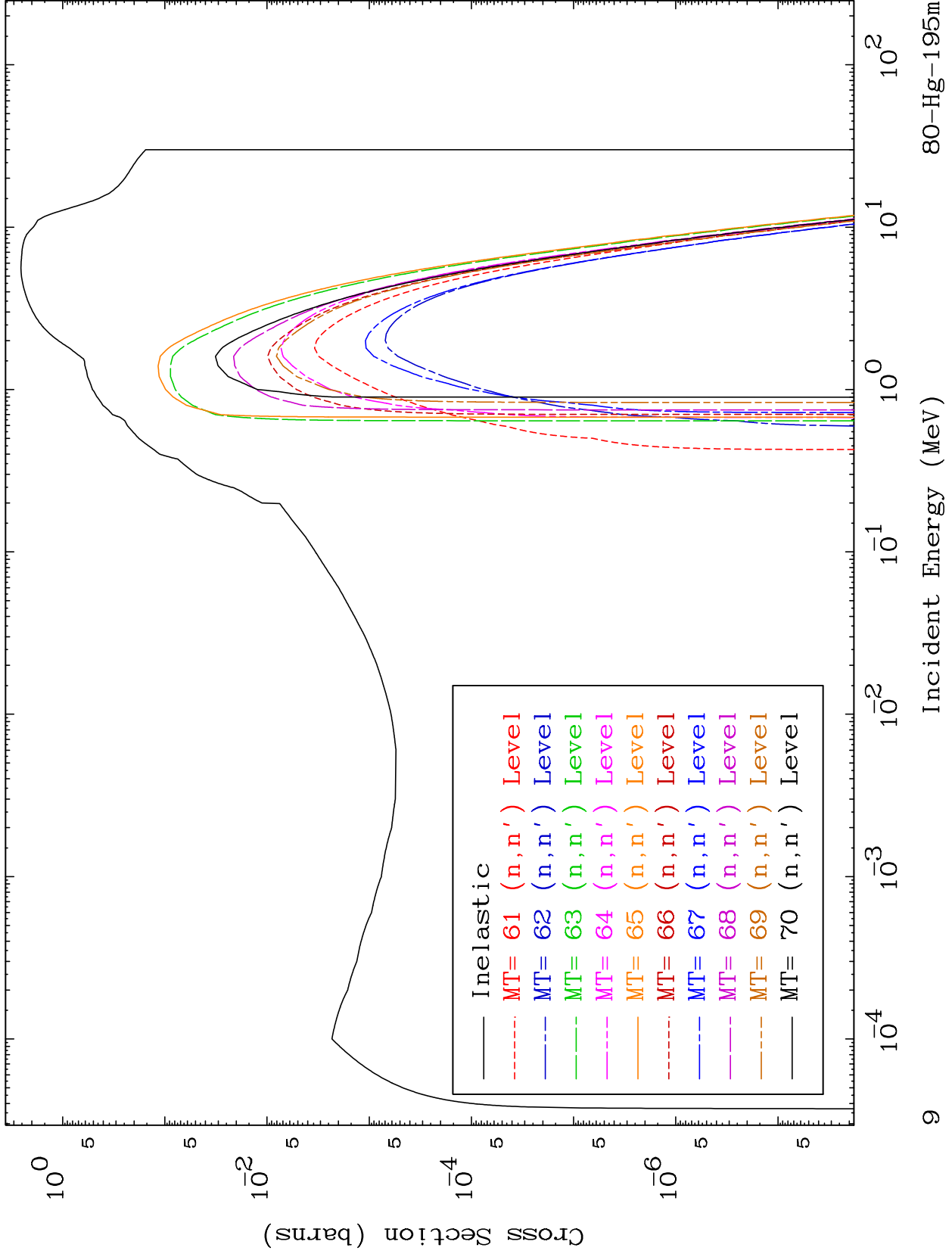
80-Hg-195m



MAT 8023

293 (n,n') Levels  
Kelvin Cross Sections

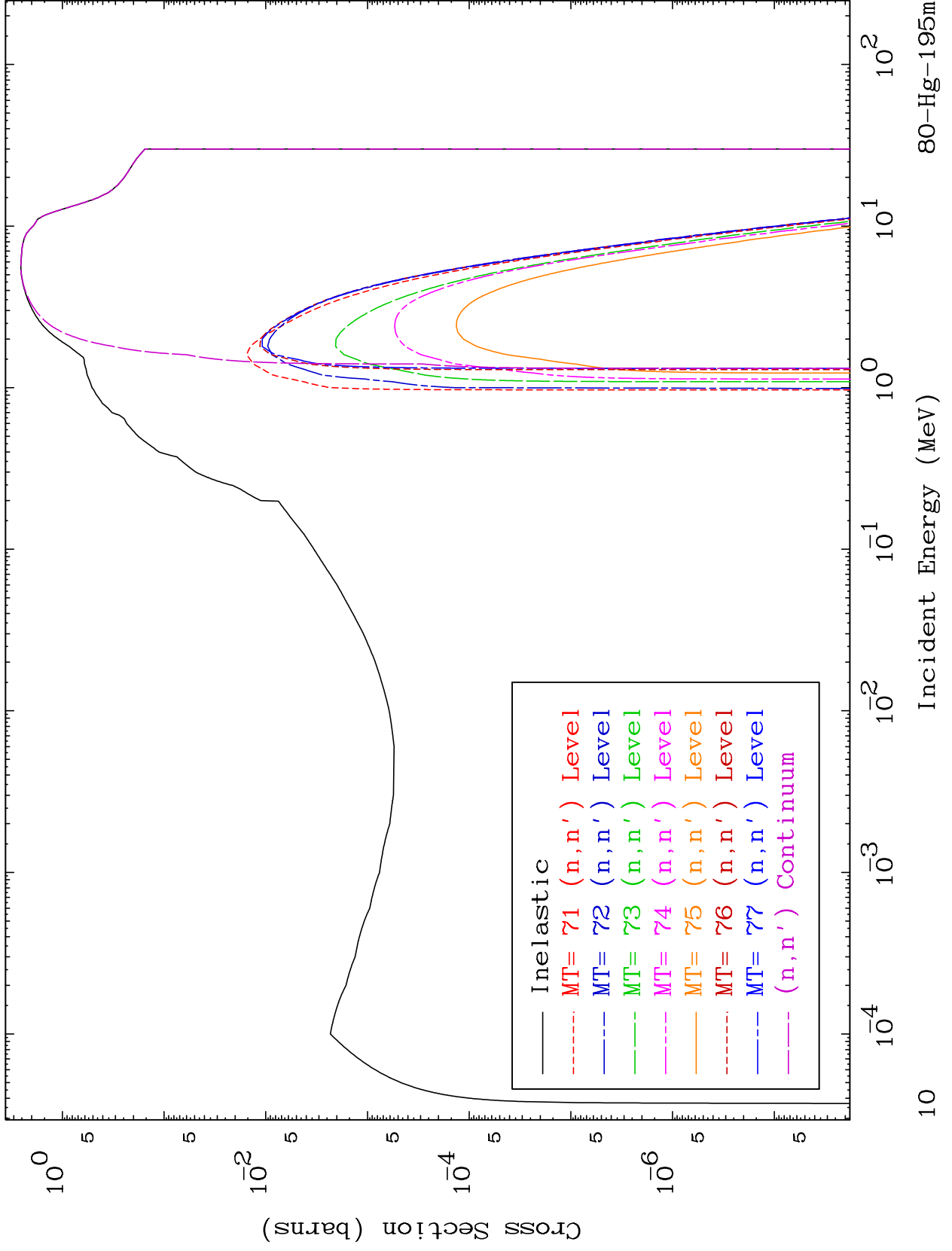
80-Hg-195m



MAT 8023

(n,n') Levels  
293 Kelvin Cross Sections

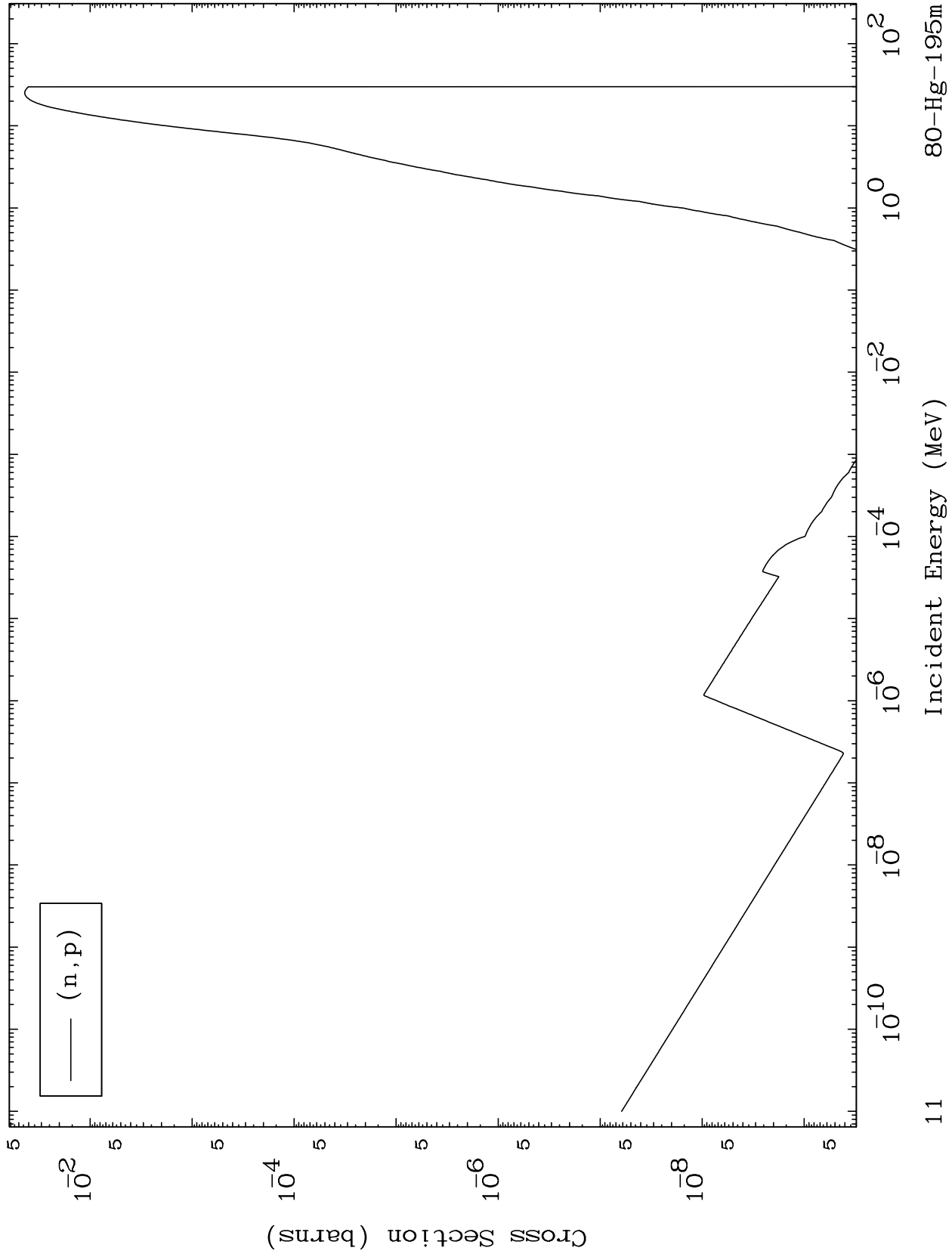
80-Hg-195m



MAT 8023

(n,p) Levels  
293 Kelvin Cross Sections

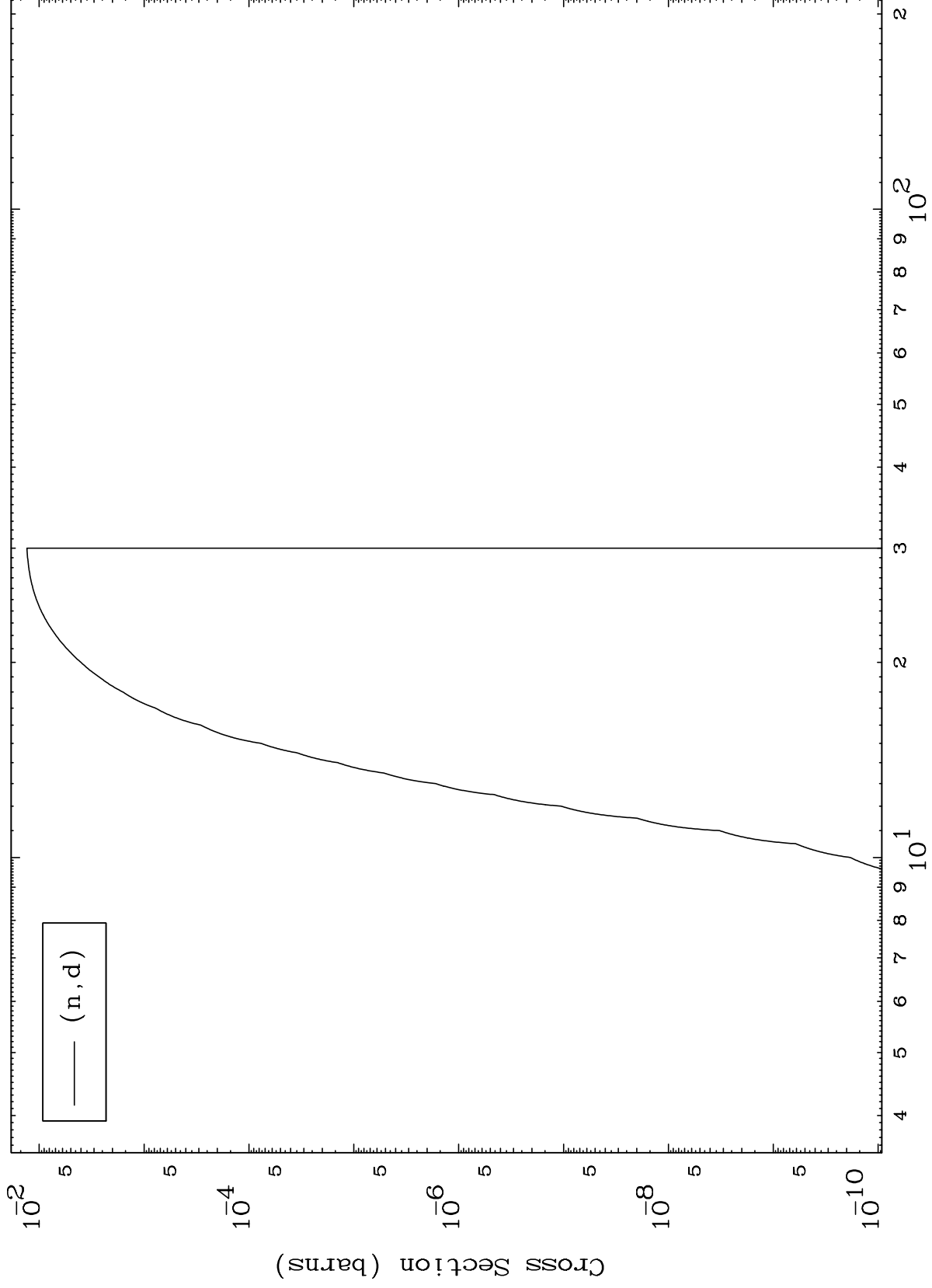
80-Hg-195m



MAT 8023

(n,d) Levels  
293 Kelvin Cross Sections

80-Hg-195m



12

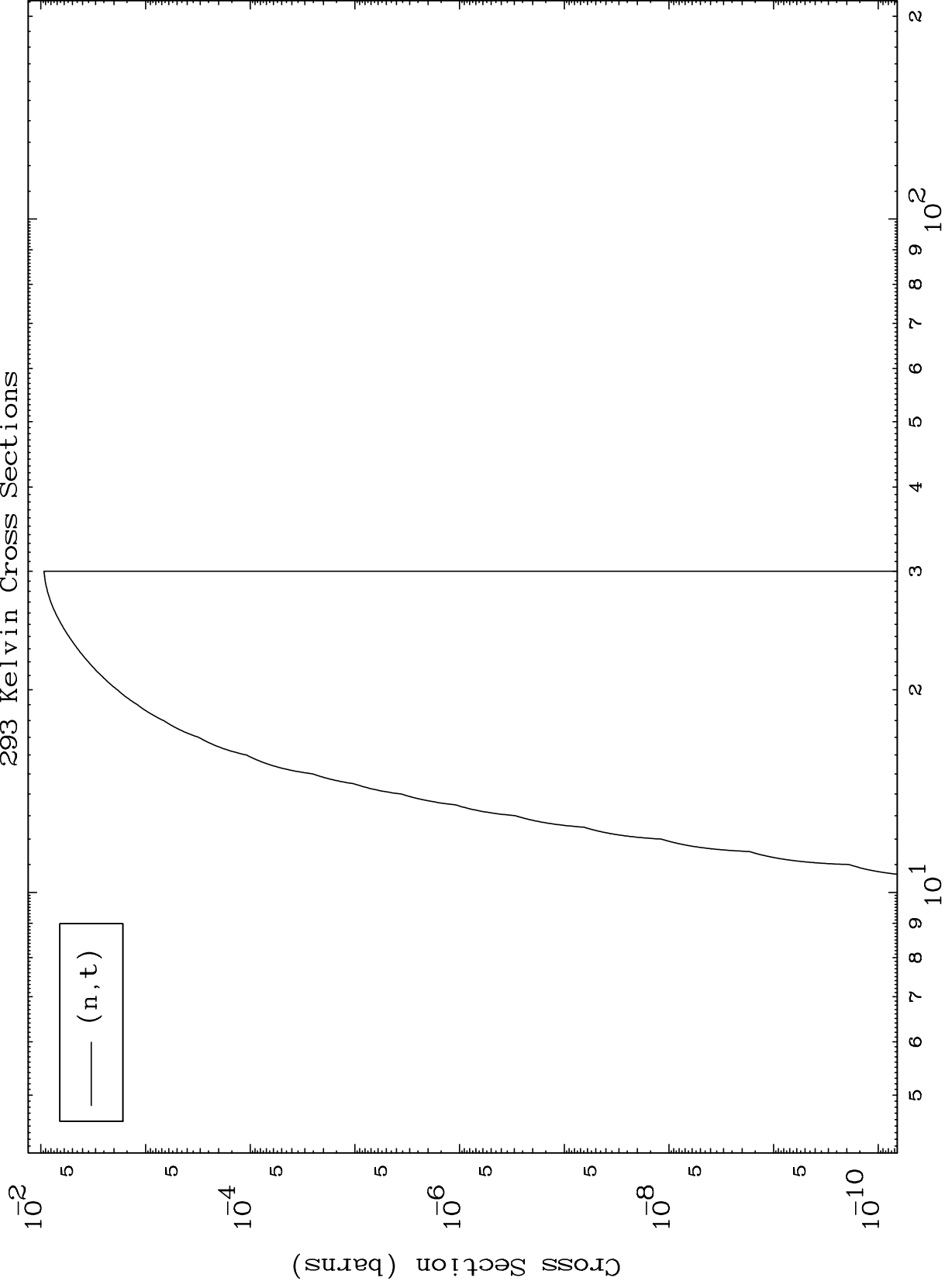
Incident Energy (MeV)

80-Hg-195m

MAT 8023

(n,t) Levels  
293 Kelvin Cross Sections

80-Hg-195m



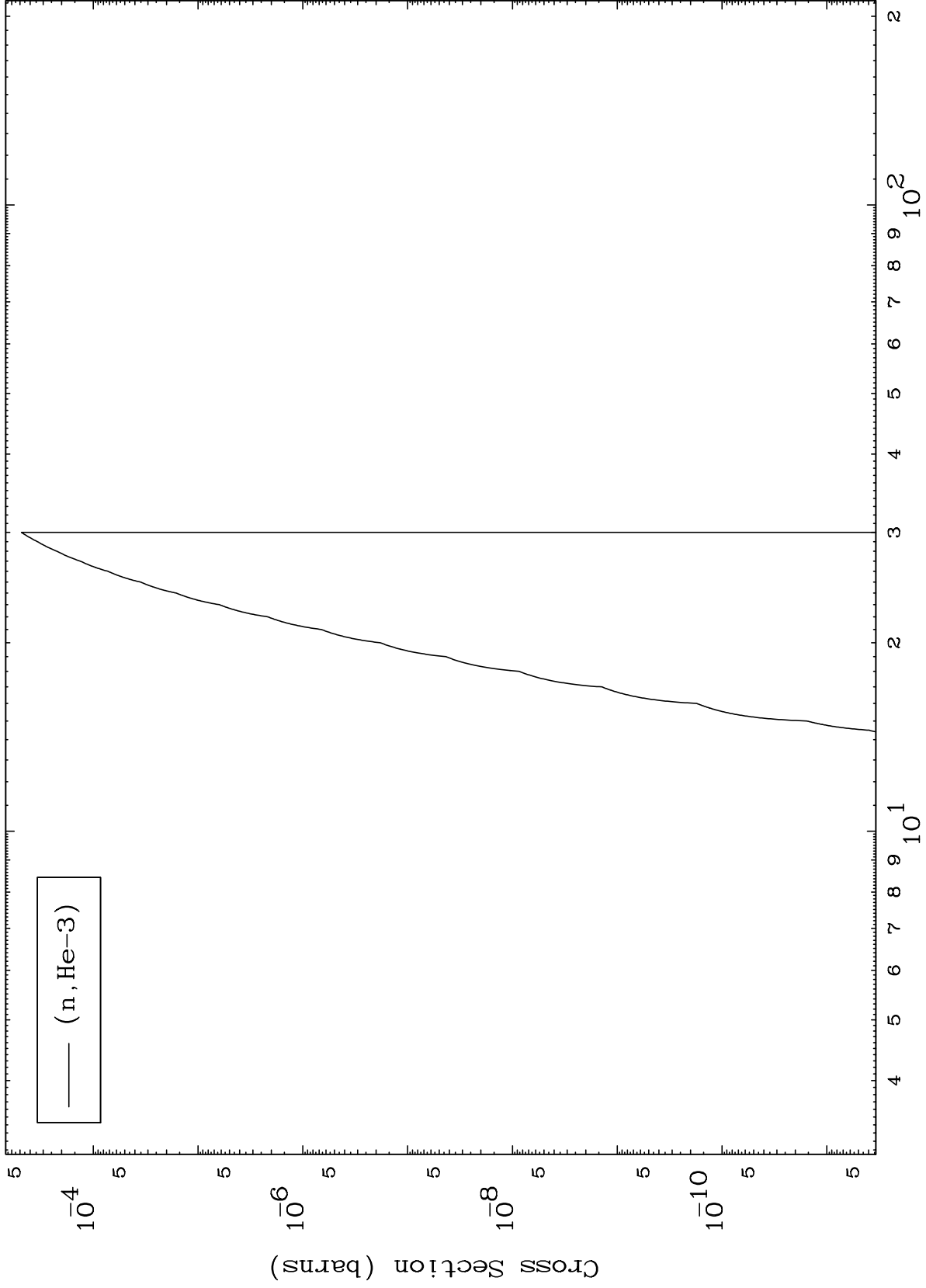
13

80-Hg-195m

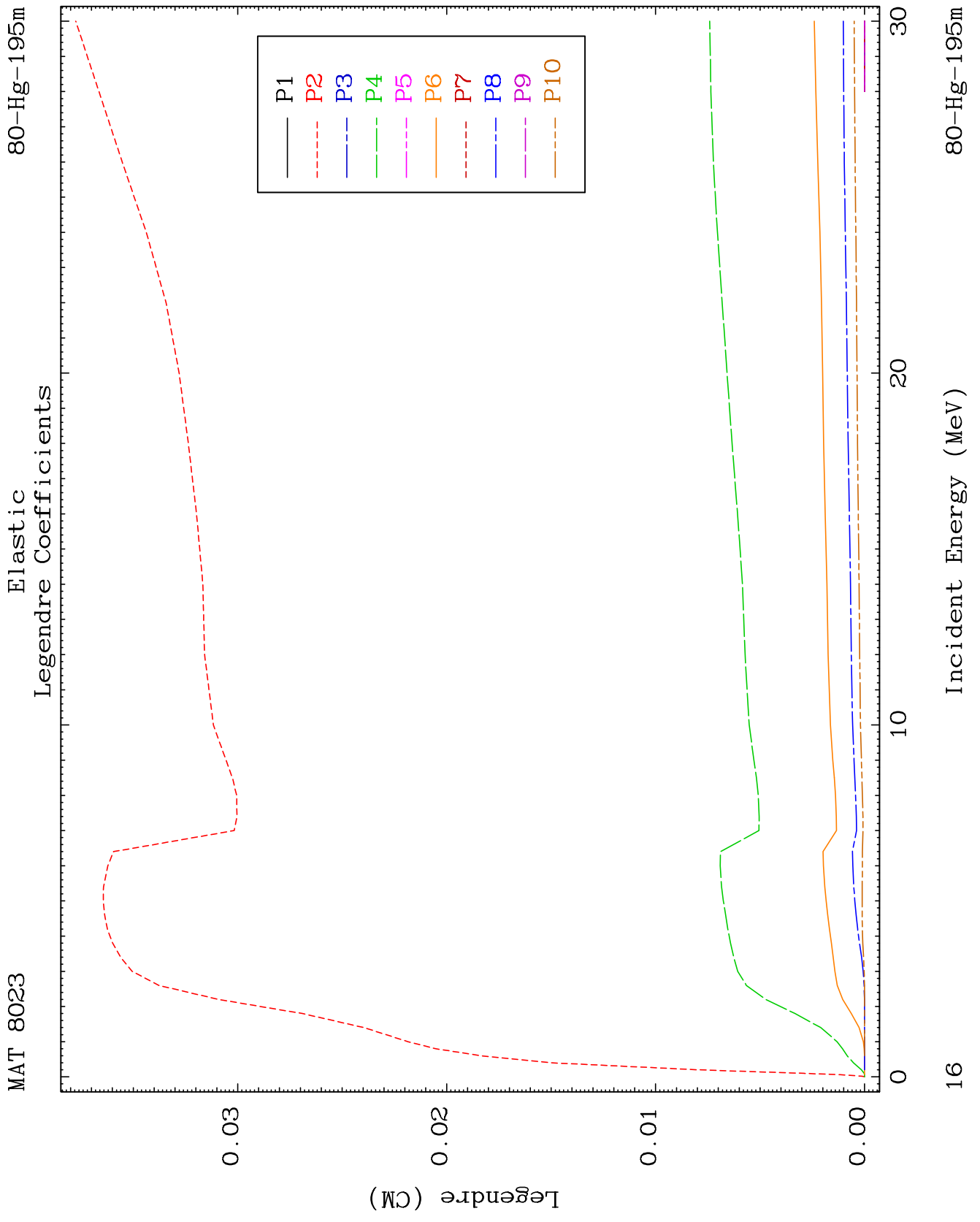
MAT 8023

(n,He3) Levels  
293 Kelvin Cross Sections

80-Hg-195m





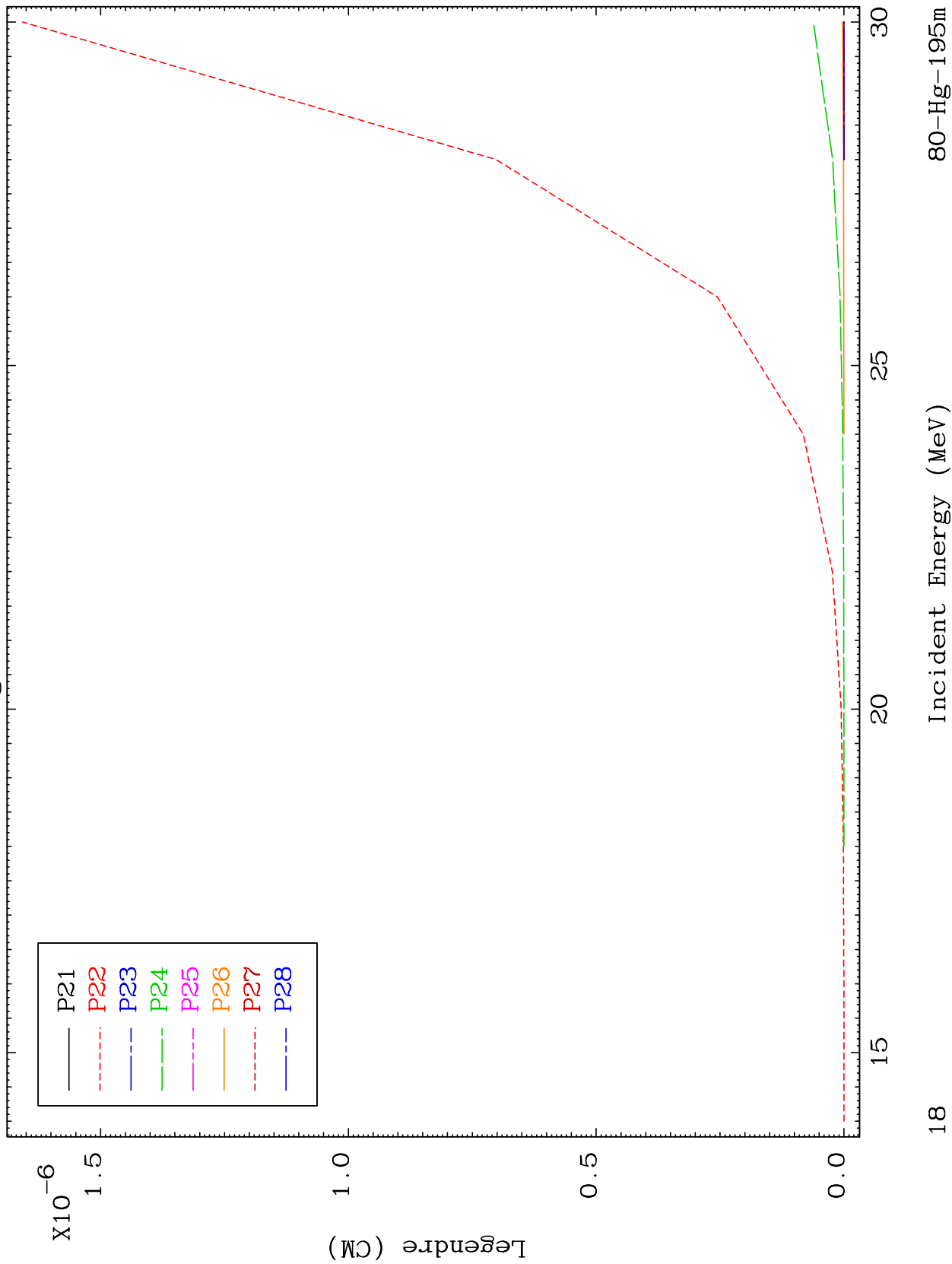




MAT 8023

### Elastic Legendre Coefficients

80-Hg-195m



18

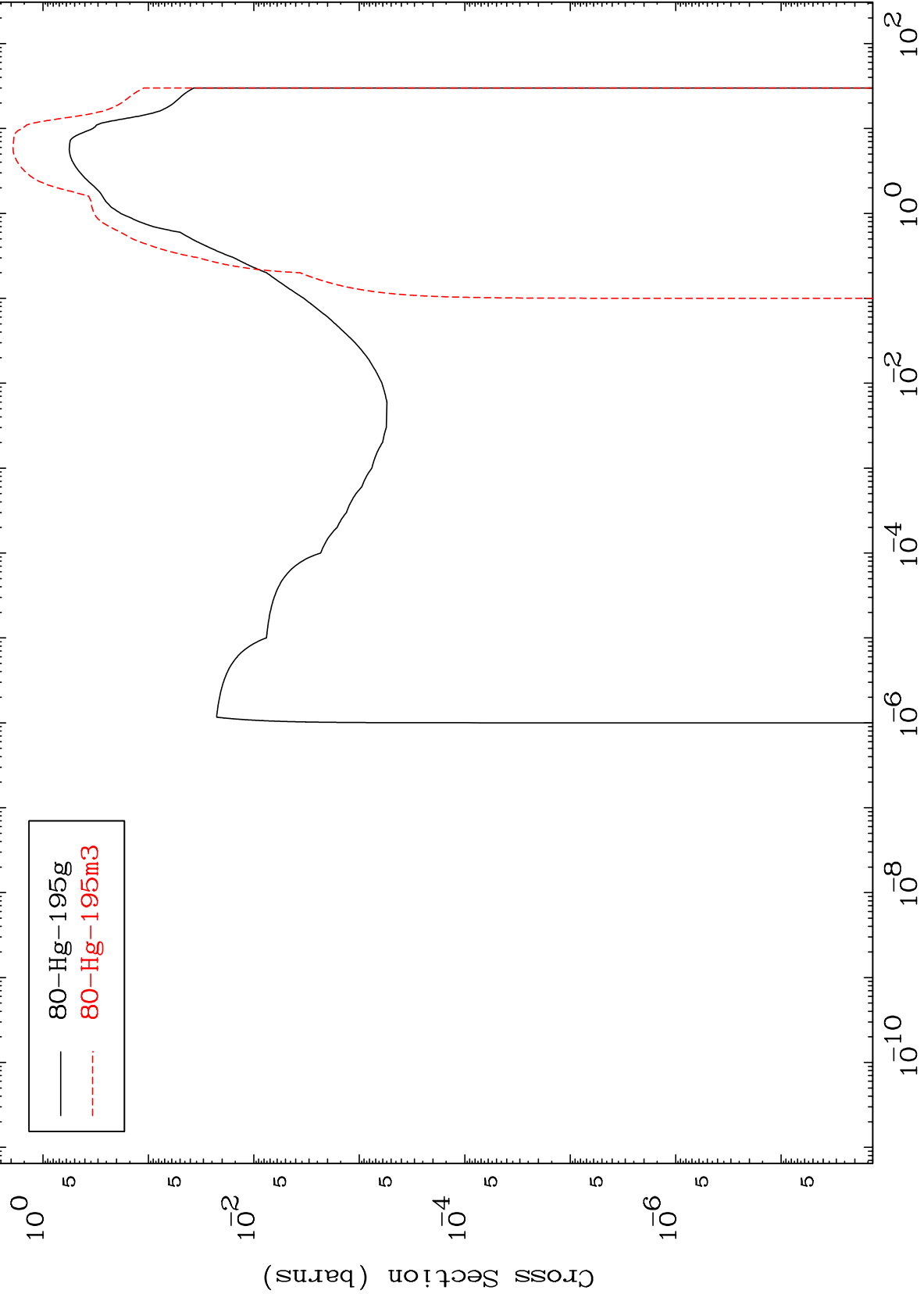
Incident Energy (MeV)

80-Hg-195m

MAT 8023

Inelastic  
Radionuclide Production Cross Section

80-Hg-195m



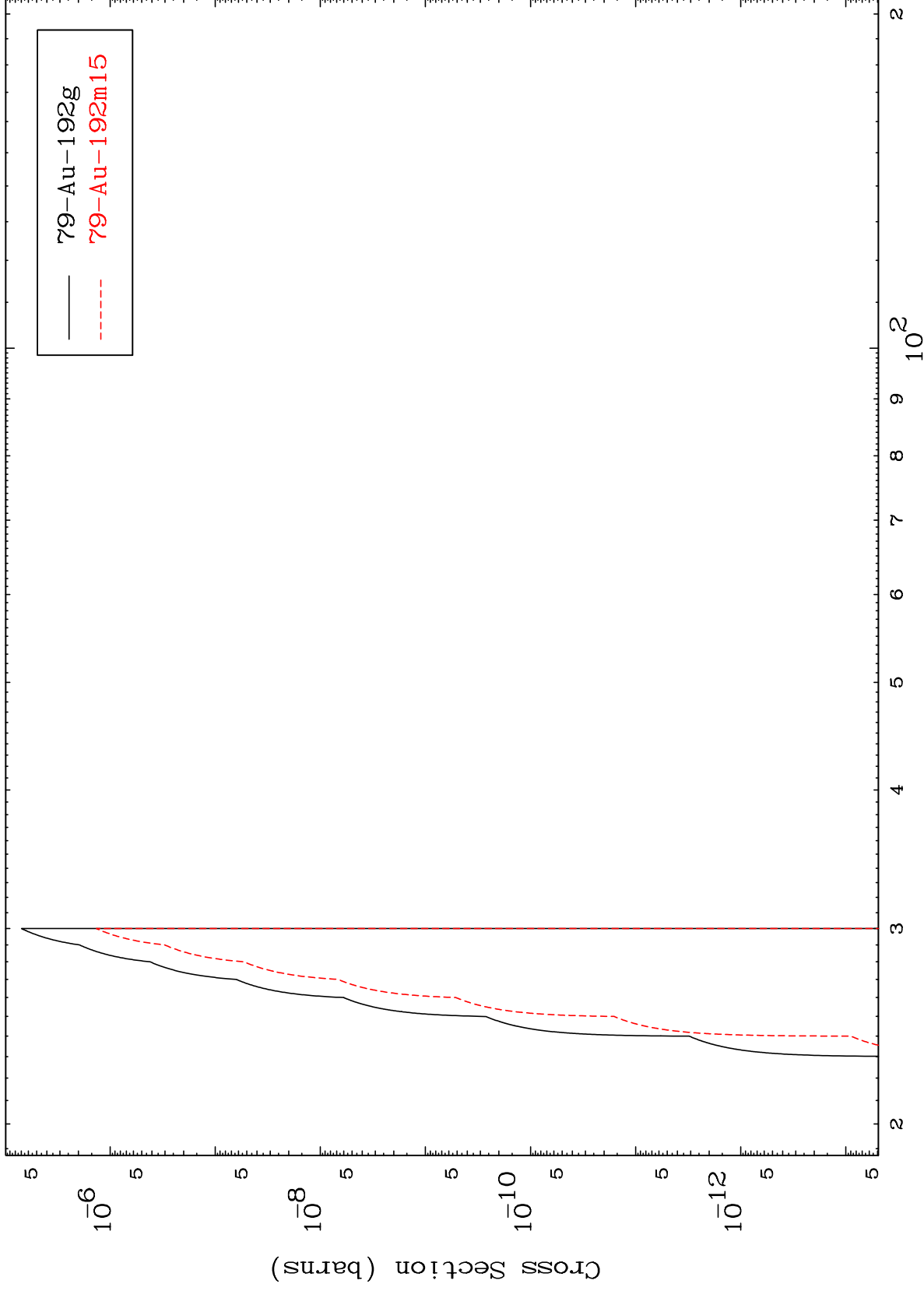
80-Hg-195g  
80-Hg-195m3

MAT 8023

(n,2n) d

80-Hg-195m

Radionuclide Production Cross Section



20

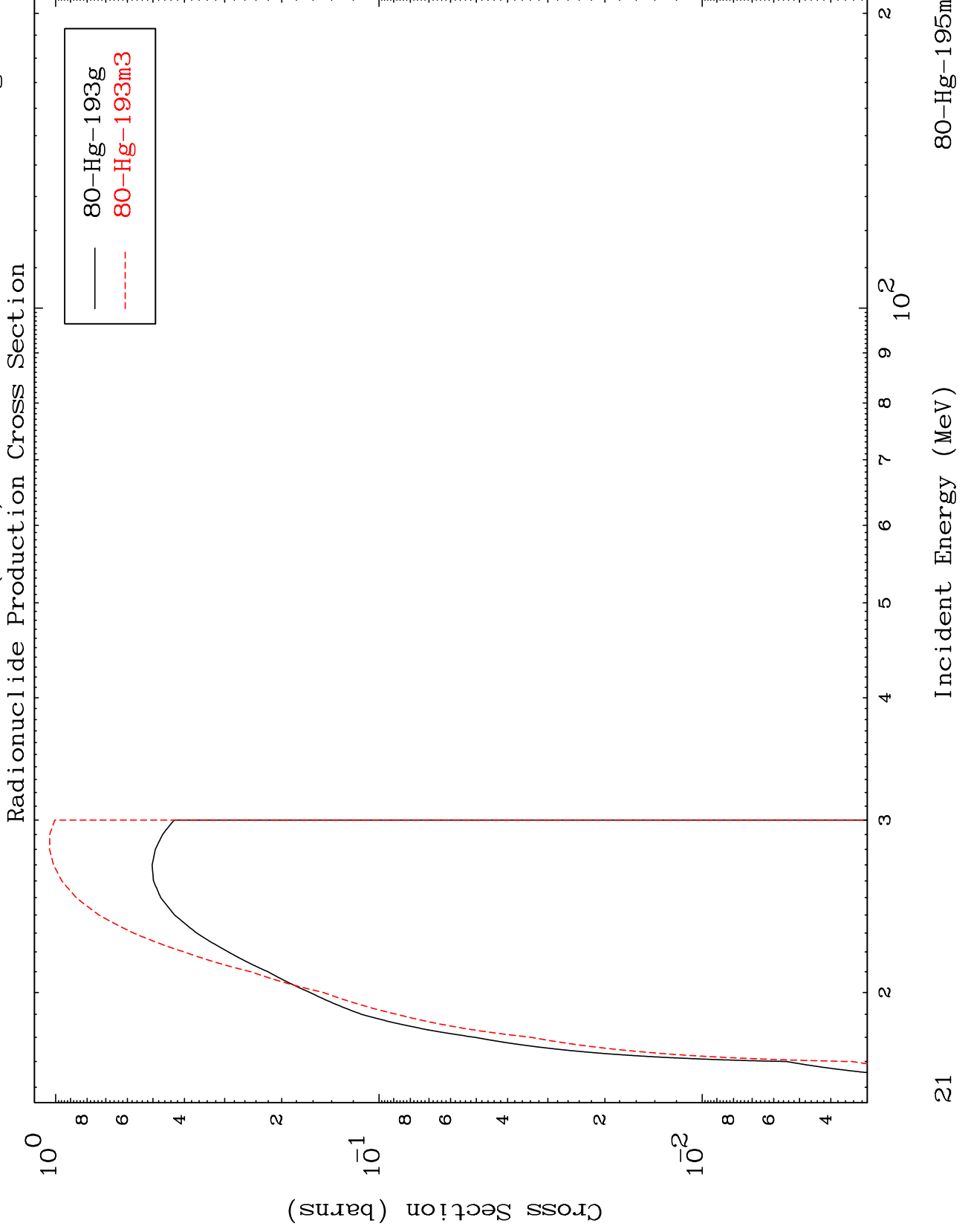
Incident Energy (MeV)

80-Hg-195m

MAT 8023

(n,3n)

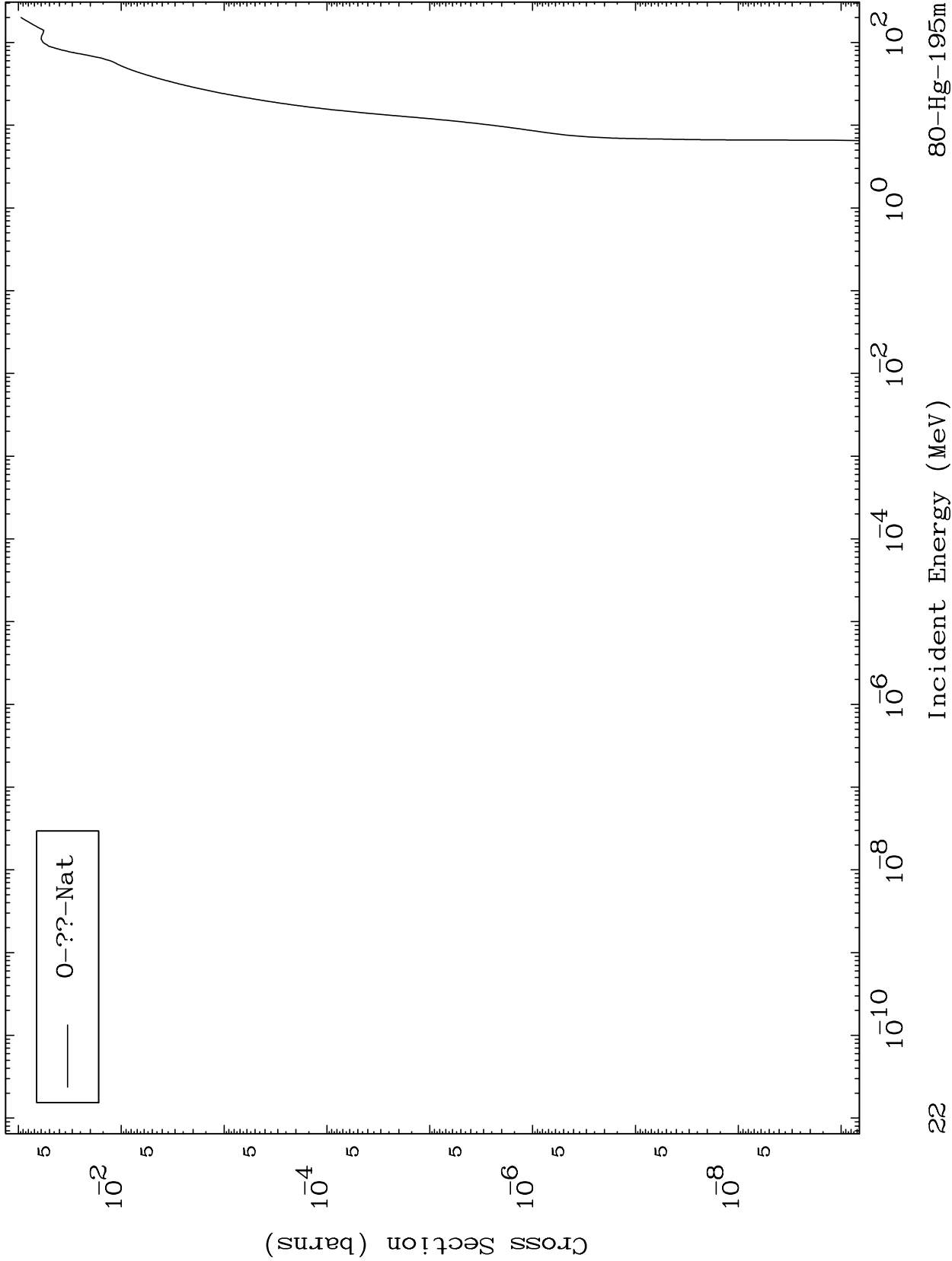
80-Hg-195m



MAT 8023

Fission  
Radionuclide Production Cross Section

80-Hg-195m

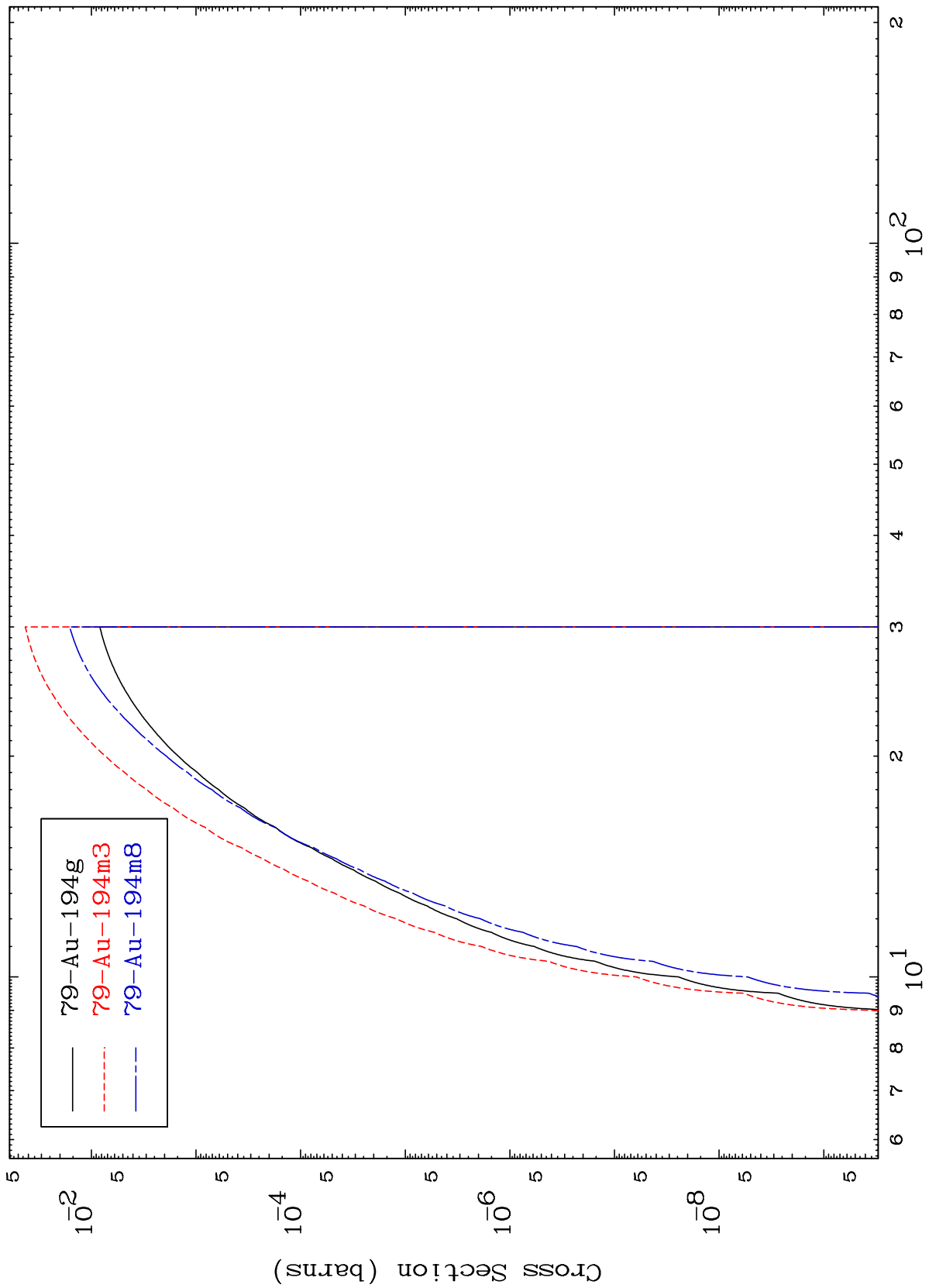


MAT 8023

(n,n') p

80-Hg-195m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

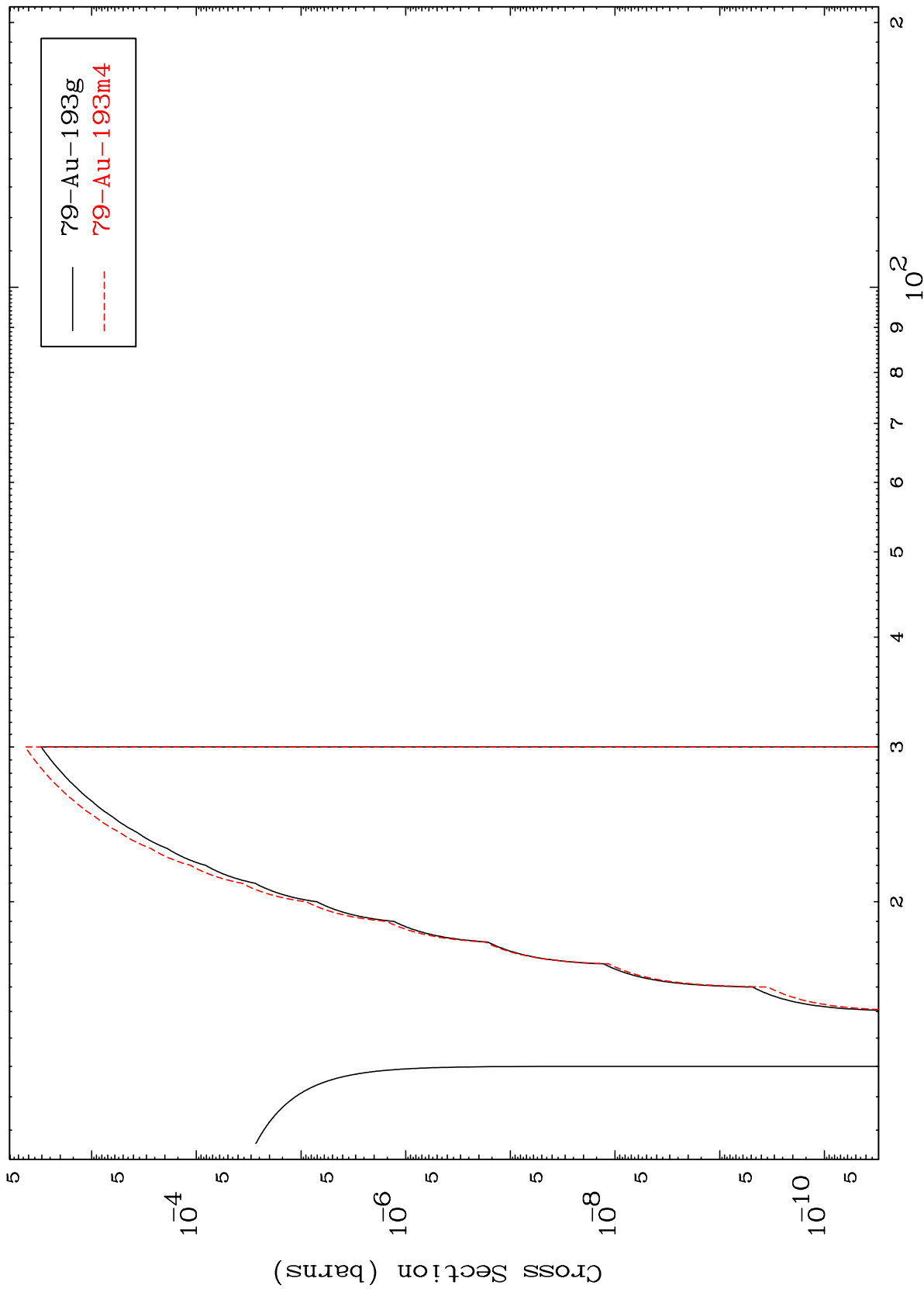
80-Hg-195m

MAT 8023

(n,n') d

80-Hg-195m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

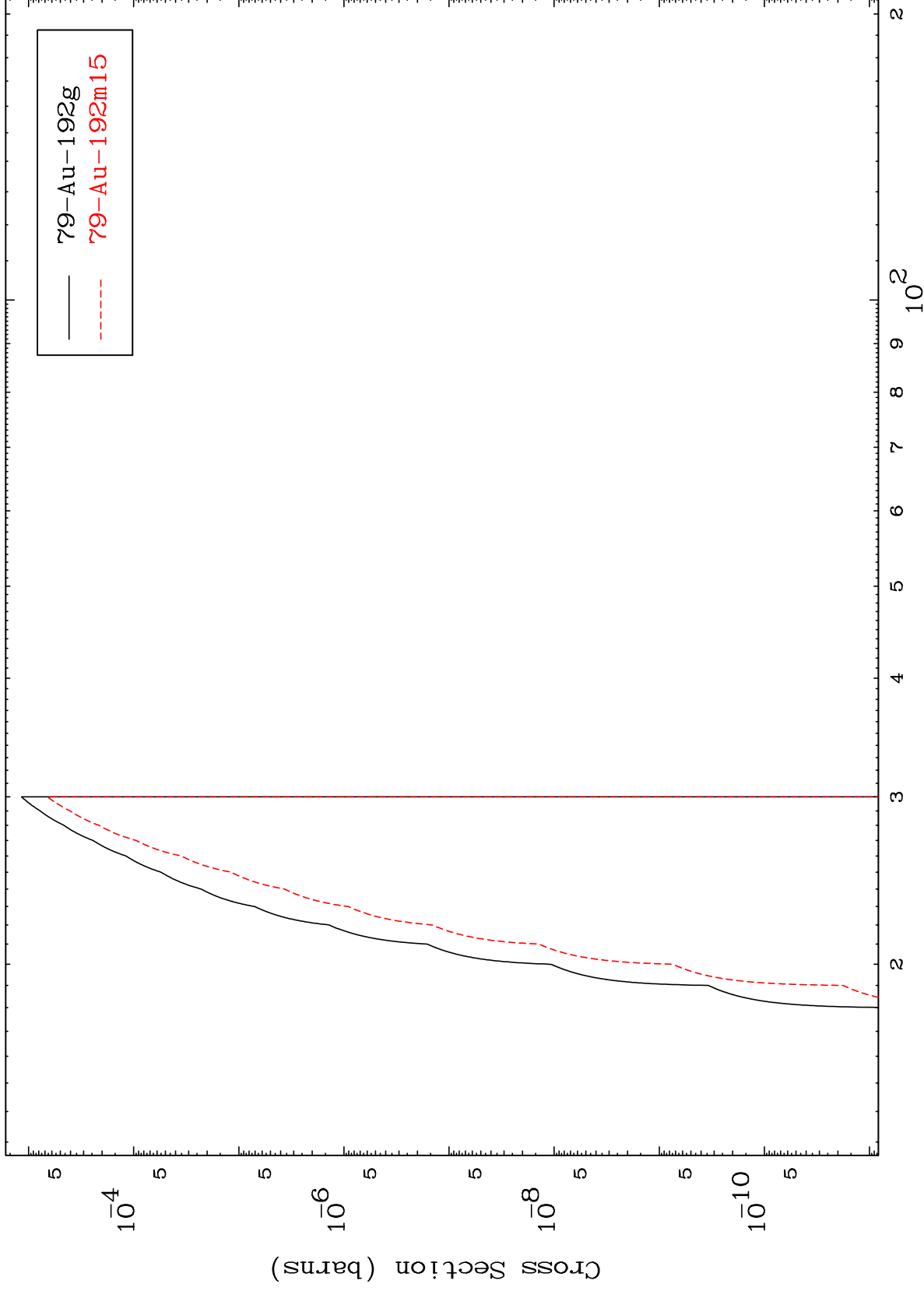
80-Hg-195m

MAT 8023

(n,n') t

80-Hg-195m

Radionuclide Production Cross Section



25

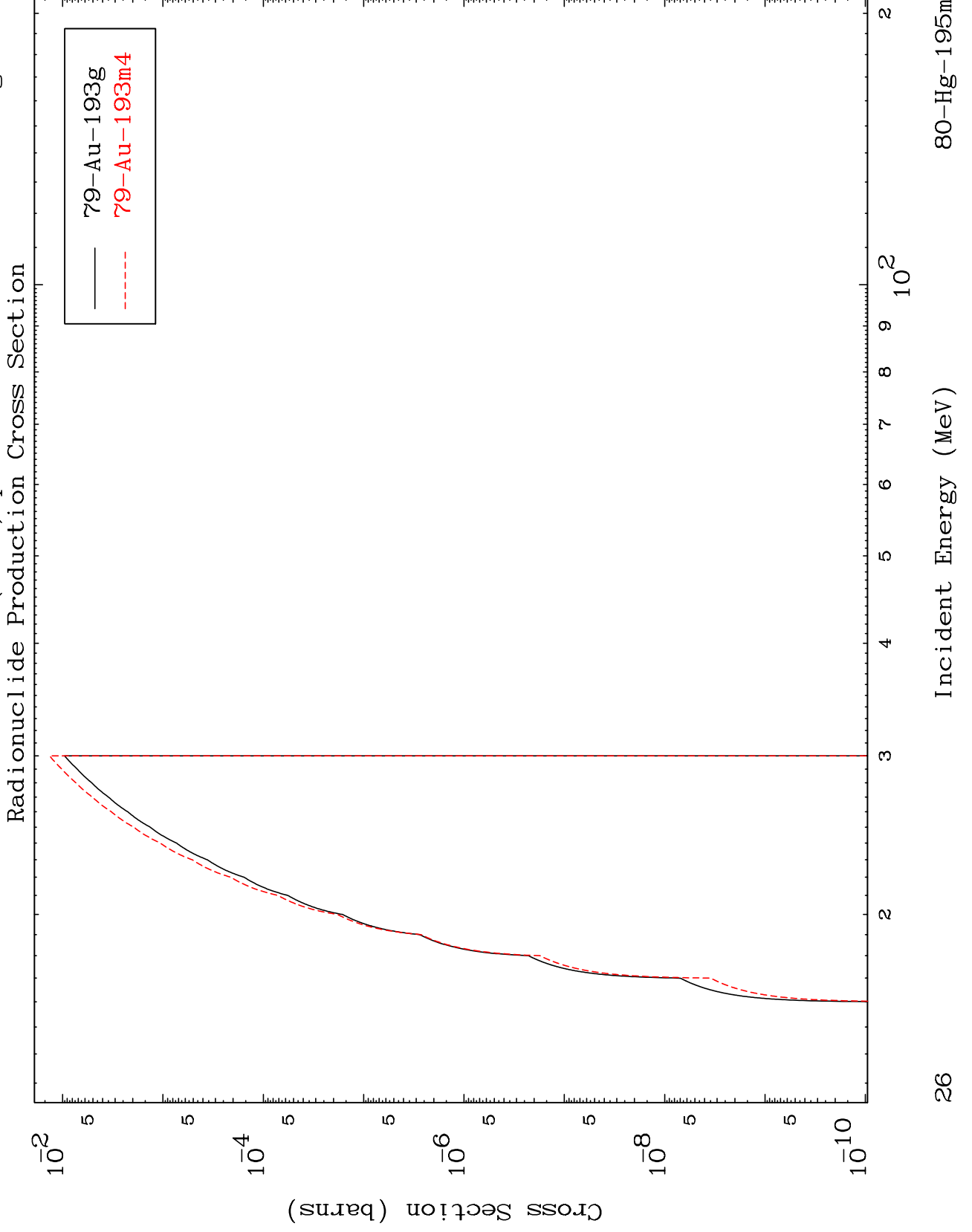
Incident Energy (MeV)

80-Hg-195m

MAT 8023

(n,2n) p

80-Hg-195m



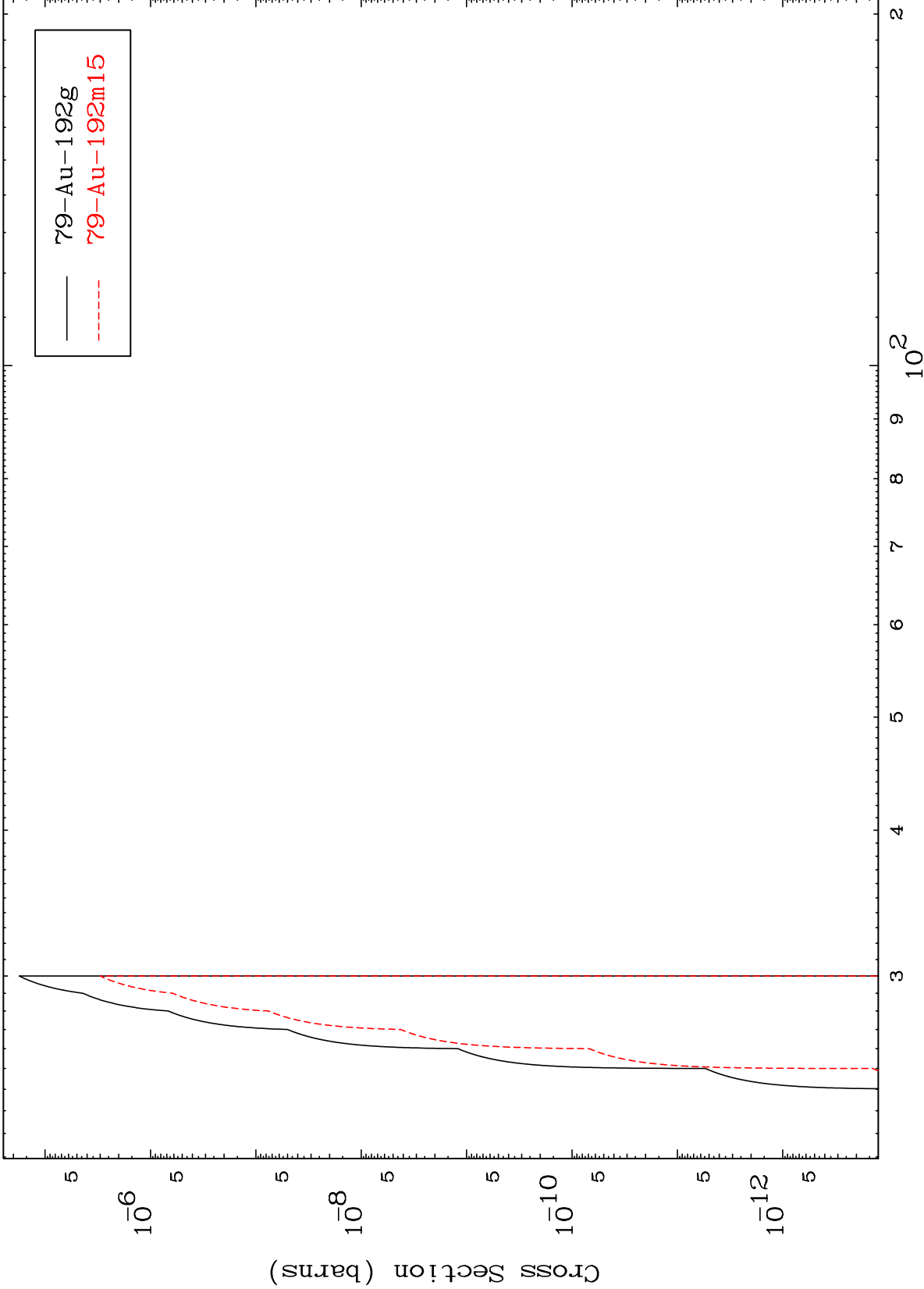
26

MAT 8023

(n,3n) p

80-Hg-195m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

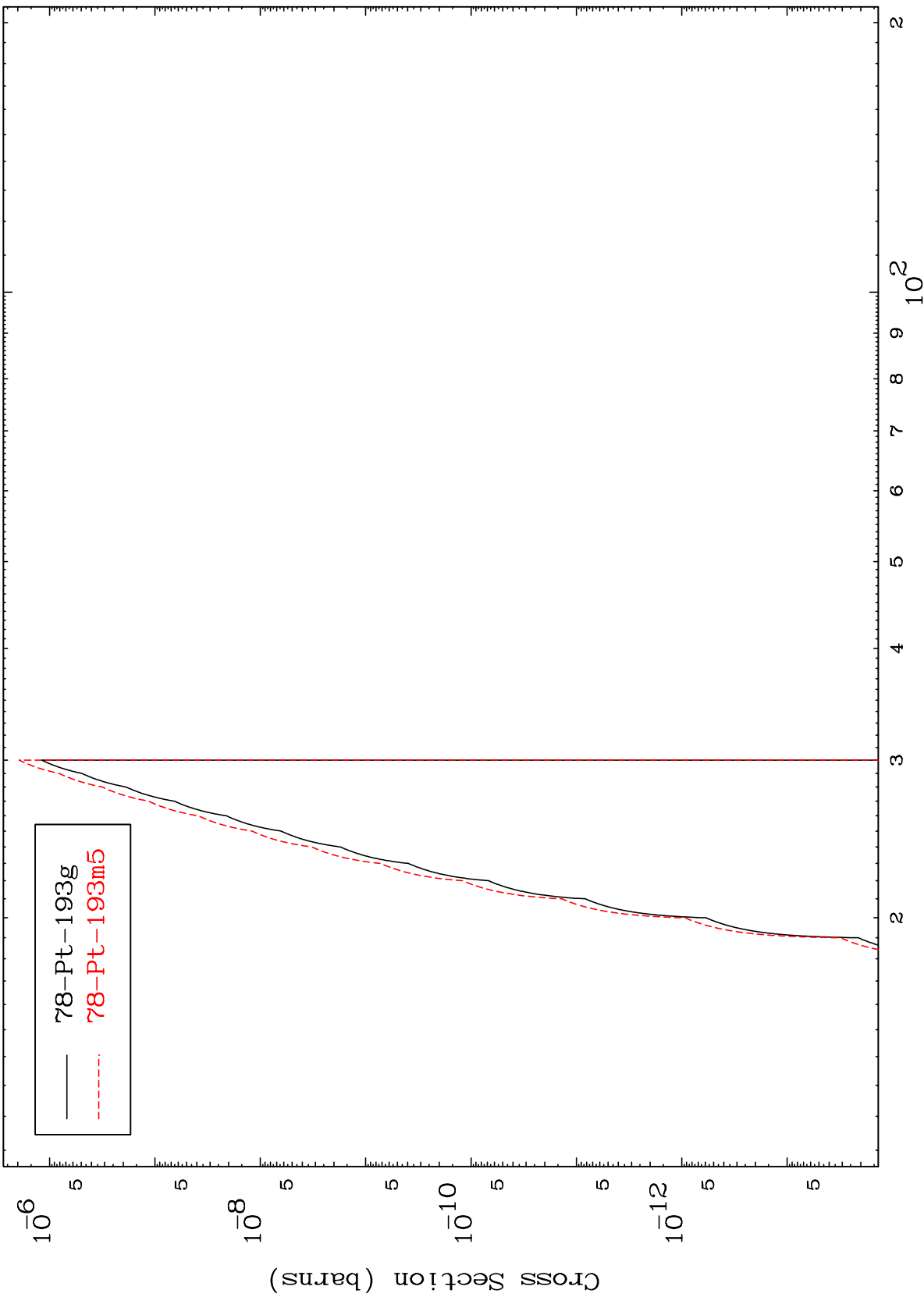
80-Hg-195m

MAT 8023

(n,2n) p

80-Hg-195m

Radionuclide Production Cross Section



Incident Energy (MeV)

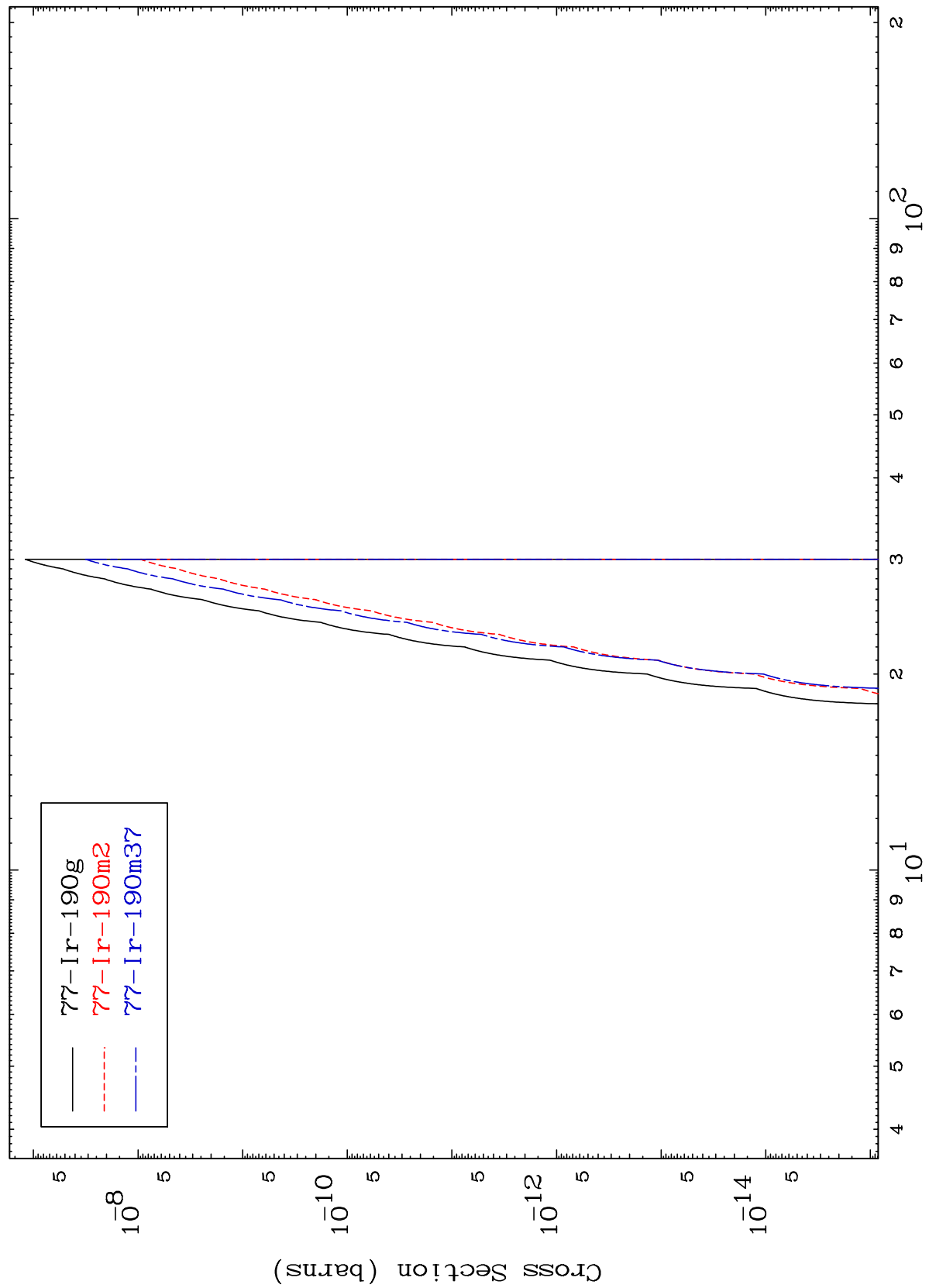
80-Hg-195m

MAT 8023

(n,n') p  $\alpha$

80-Hg-195m

Radionuclide Production Cross Section

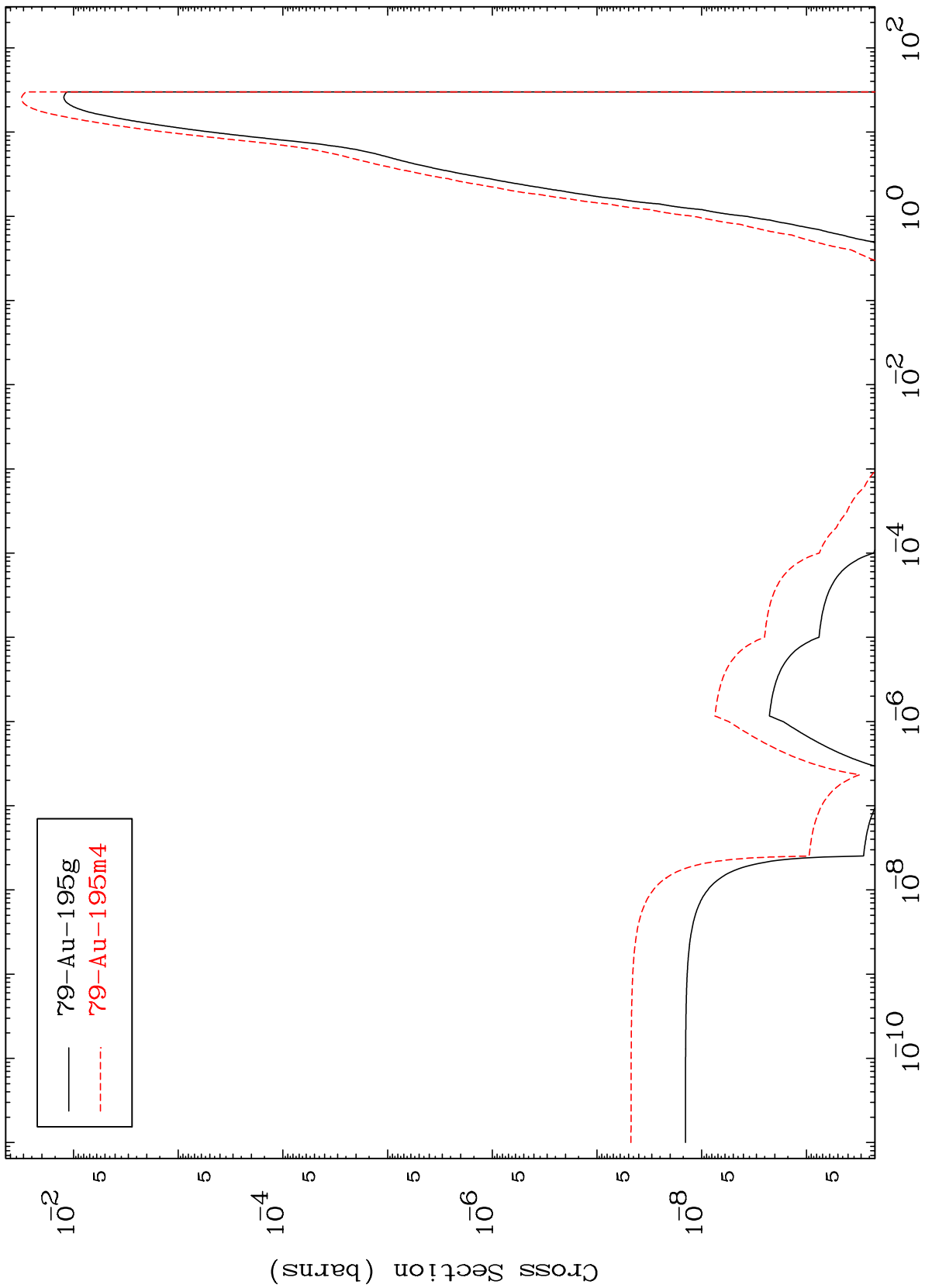
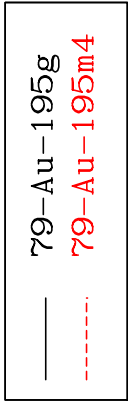


$^{77}\text{Ir-190g}$   
 $^{77}\text{Ir-190m2}$   
 $^{77}\text{Ir-190m37}$

MAT 8023

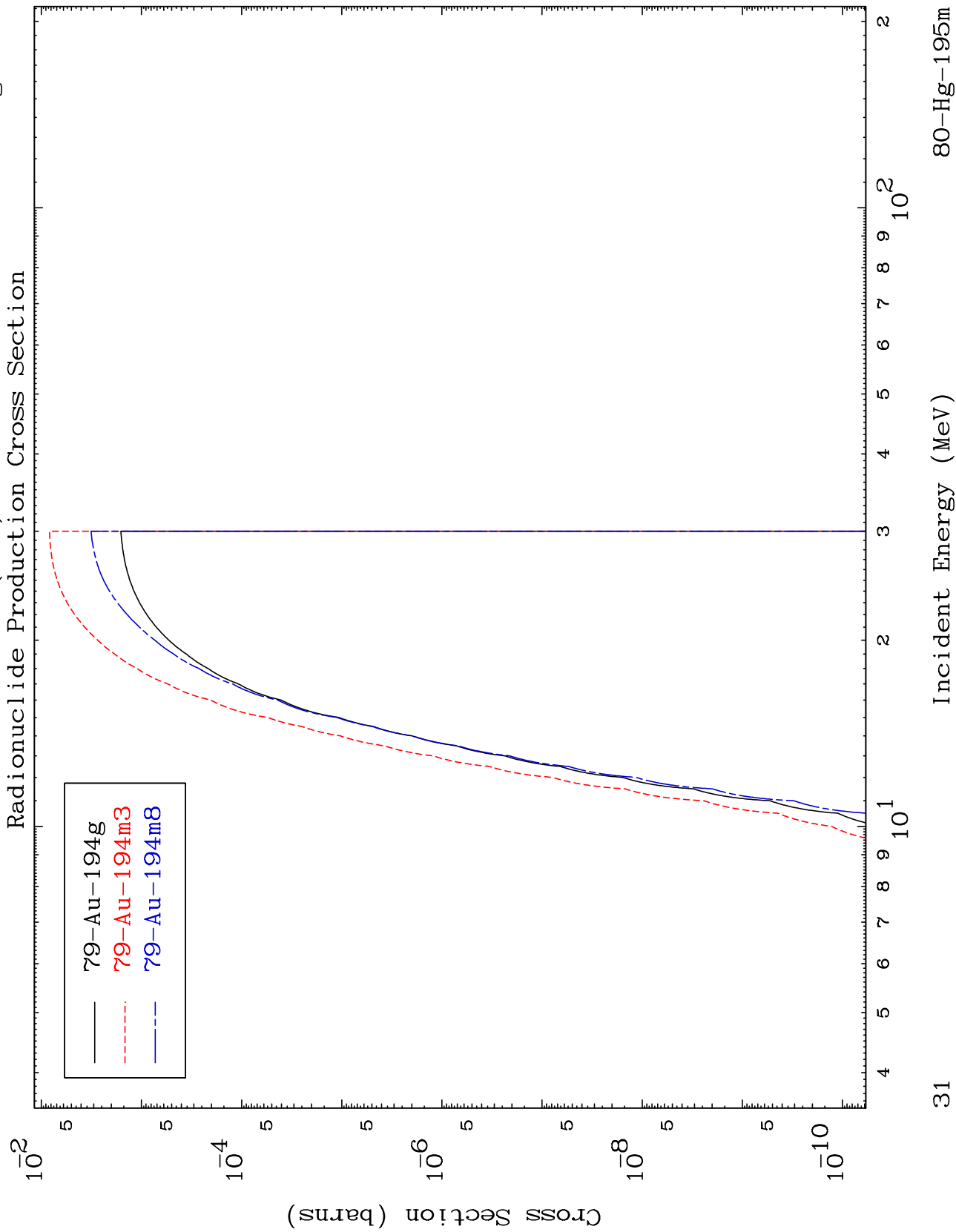
(n,p)  
Radionuclide Production Cross Section

80-Hg-195m



MAT 8023

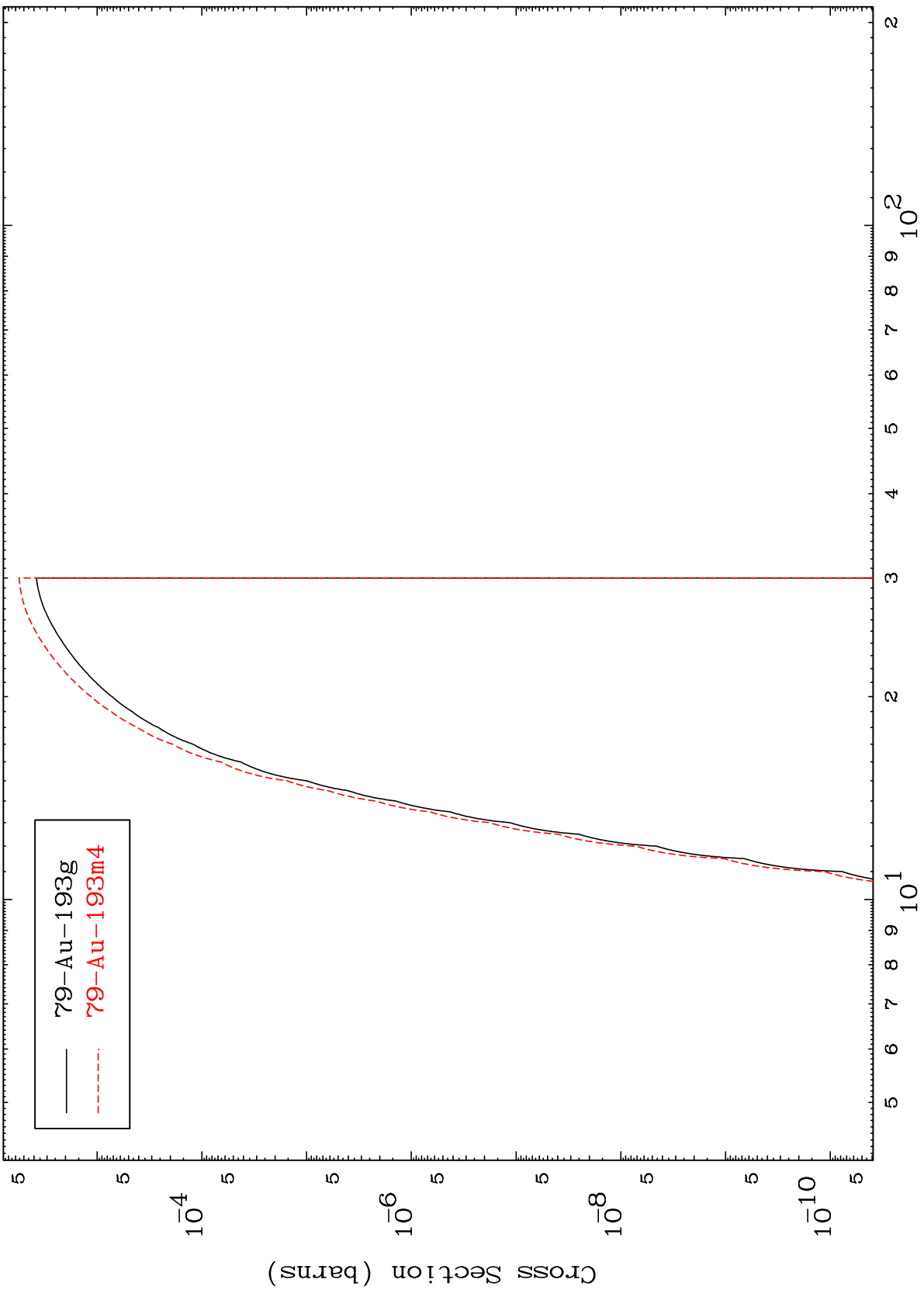
80-Hg-195m



MAT 8023

80-Hg-195m

Radionuclide Production Cross Section (n, t)



79-Au-193g  
79-Au-193m4

Incident Energy (MeV)

80-Hg-195m

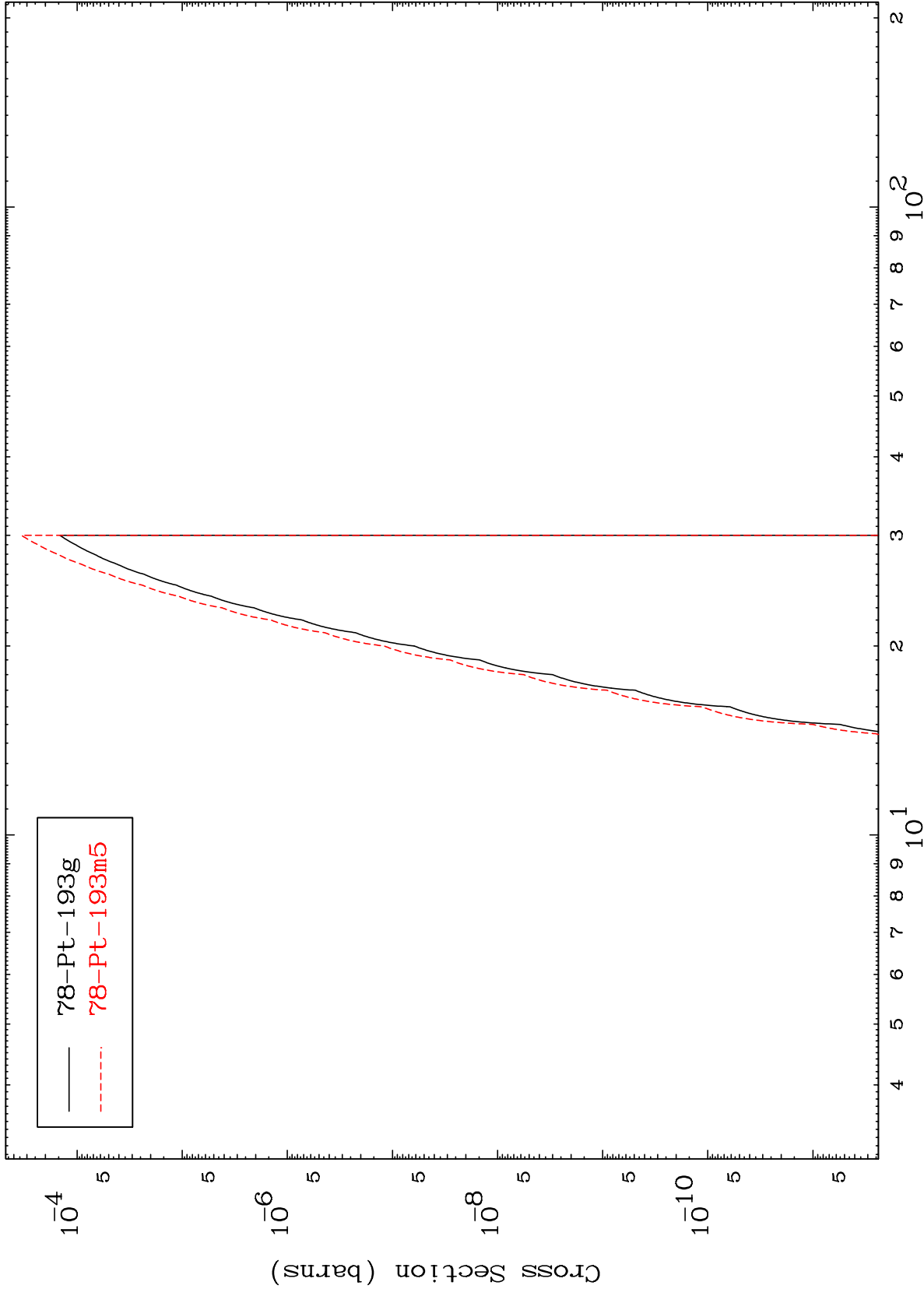
32

MAT 8023

(n,He-3)

80-Hg-195m

Radionuclide Production Cross Section



Incident Energy (MeV)

80-Hg-195m

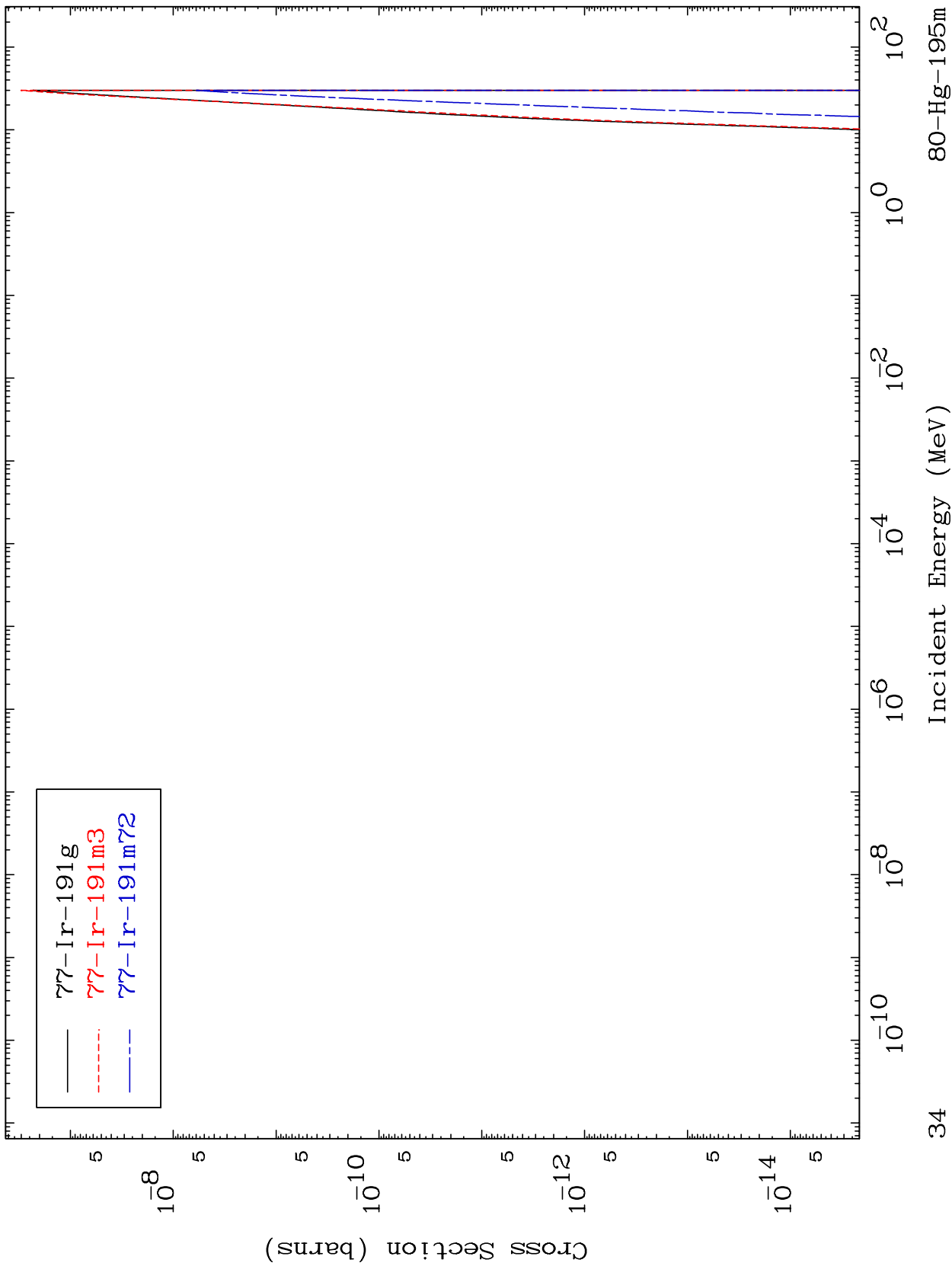
33

MAT 8023

(n,p)  $\alpha$

80-Hg-195m

Radionuclide Production Cross Section

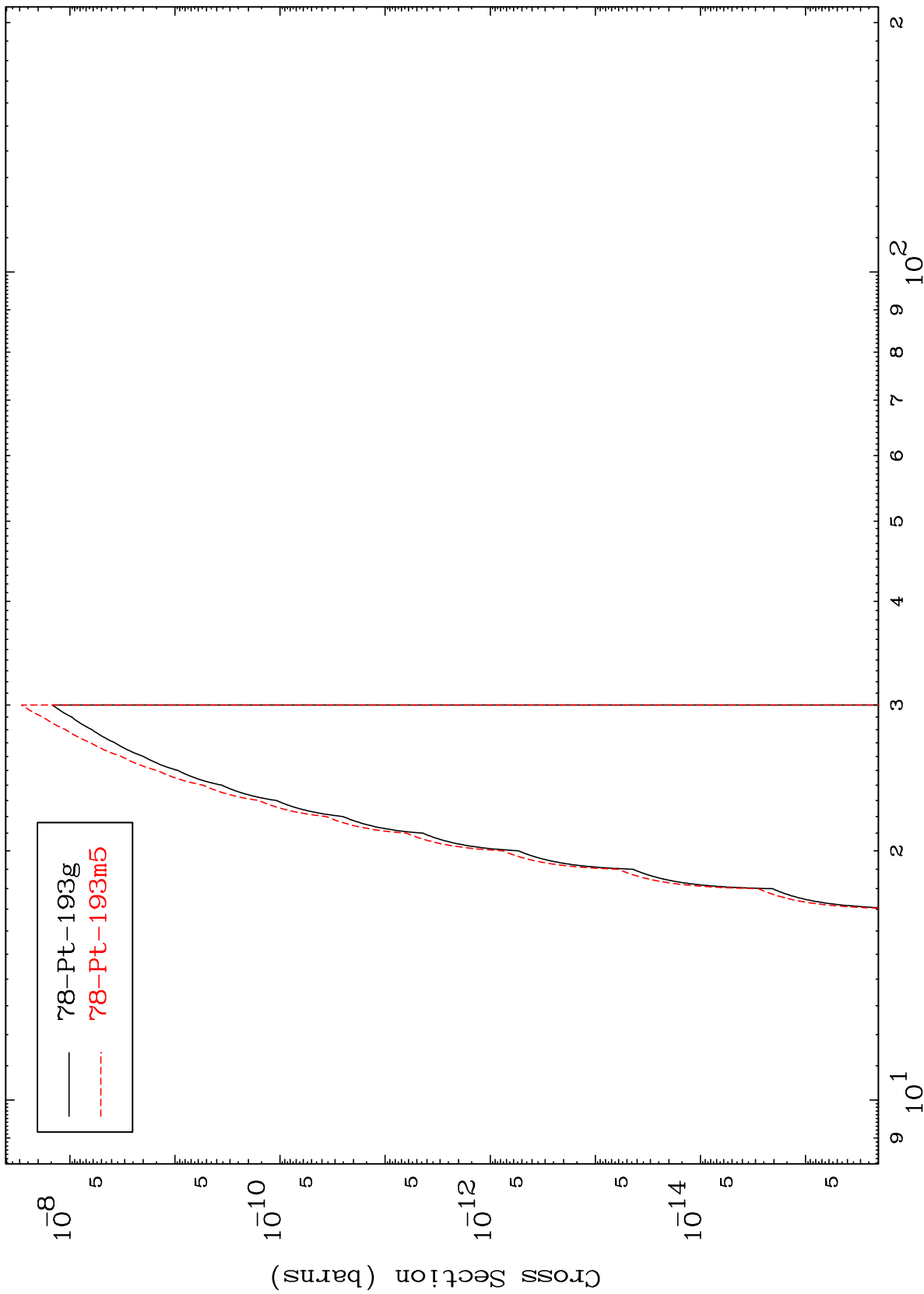


MAT 8023

(n,p) d

80-Hg-195m

Radionuclide Production Cross Section



35

Incident Energy (MeV)

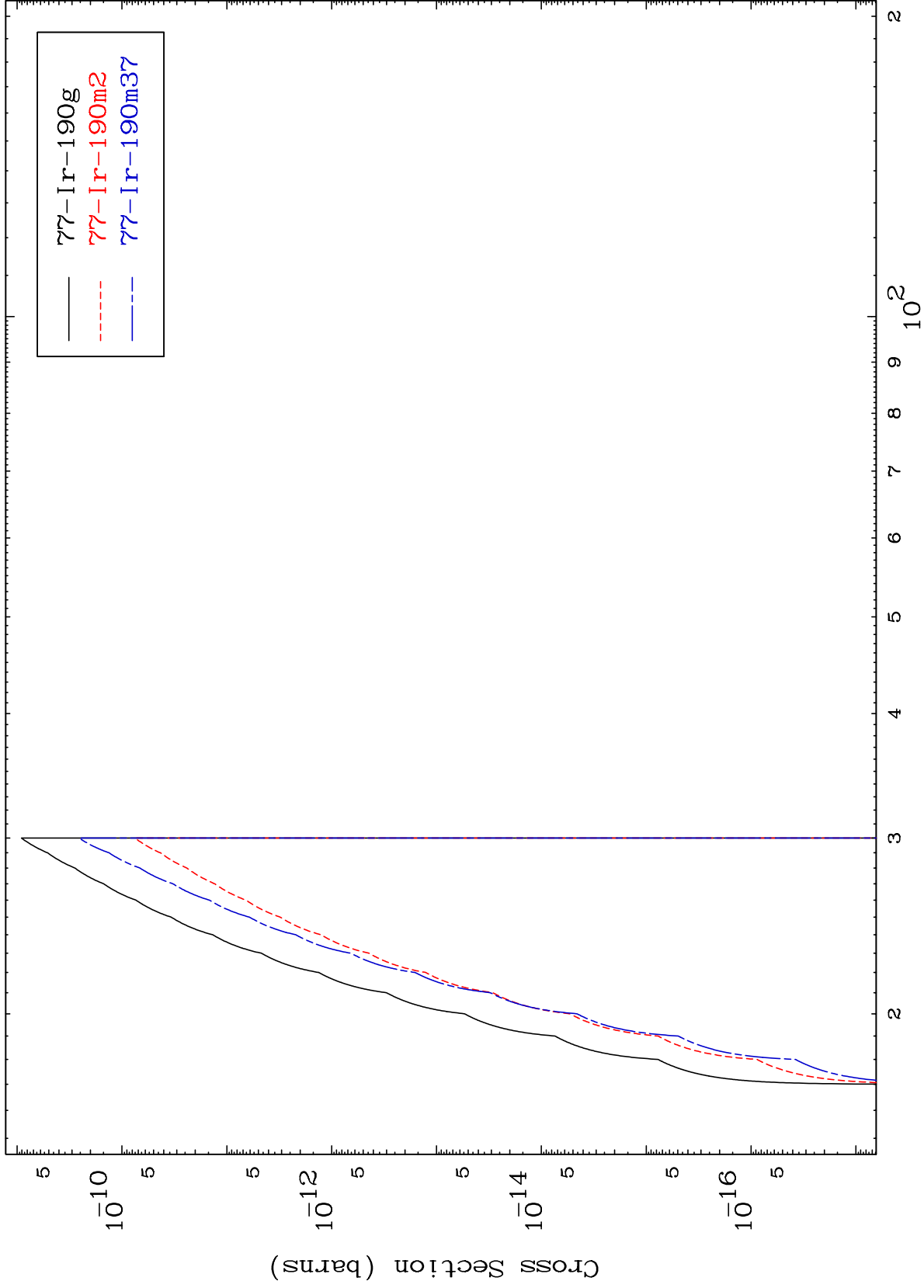
80-Hg-195m

MAT 8023

(n,d)  $\alpha$

80-Hg-195m

Radionuclide Production Cross Section



36

Incident Energy (MeV)

80-Hg-195m