

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

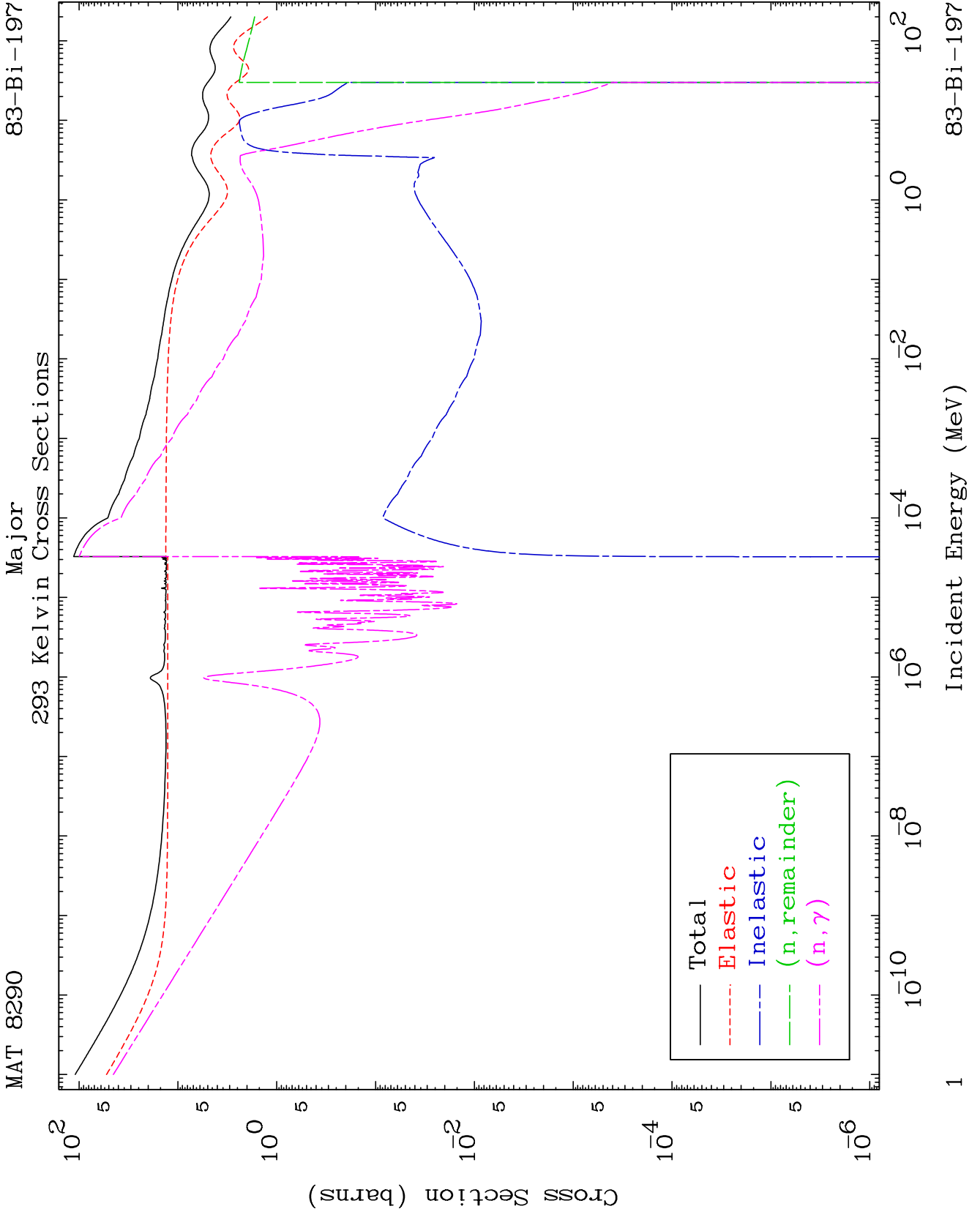
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

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

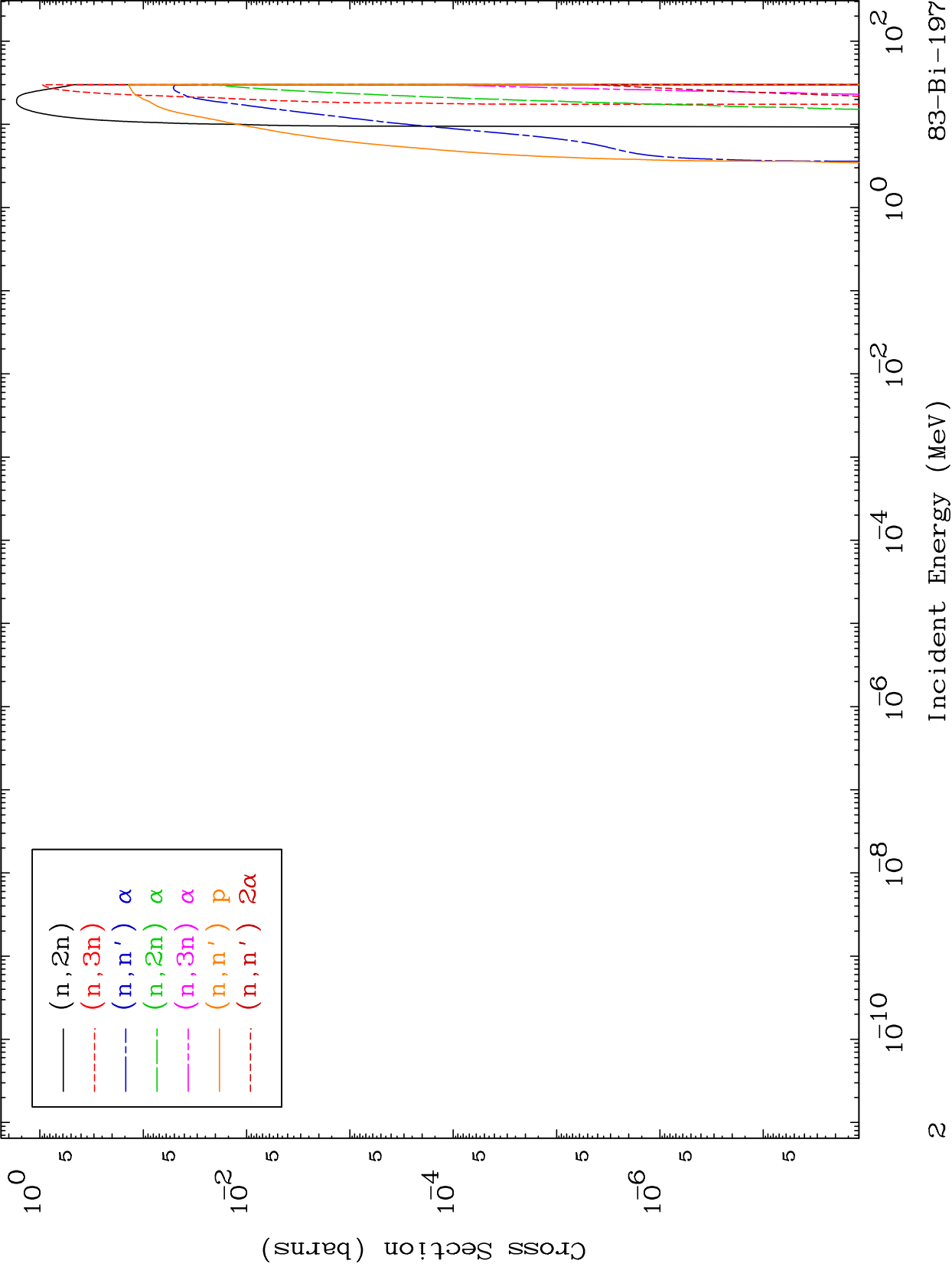
Press Mouse Button to Start



MAT 8290

Neutron Production  
293 Kelvin Cross Sections

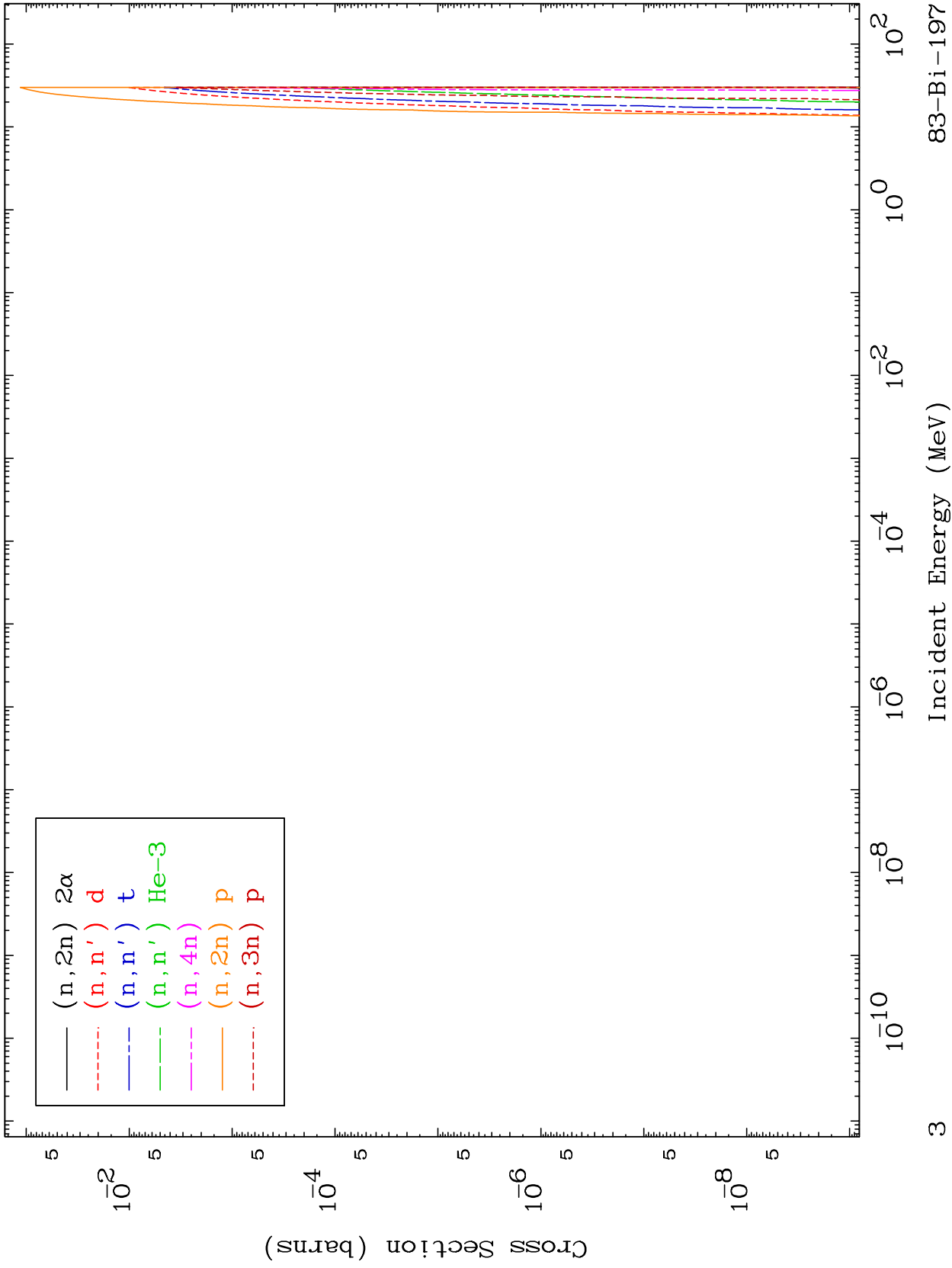
83-Bi-197



MAT 8290

Neutron Production  
293 Kelvin Cross Sections

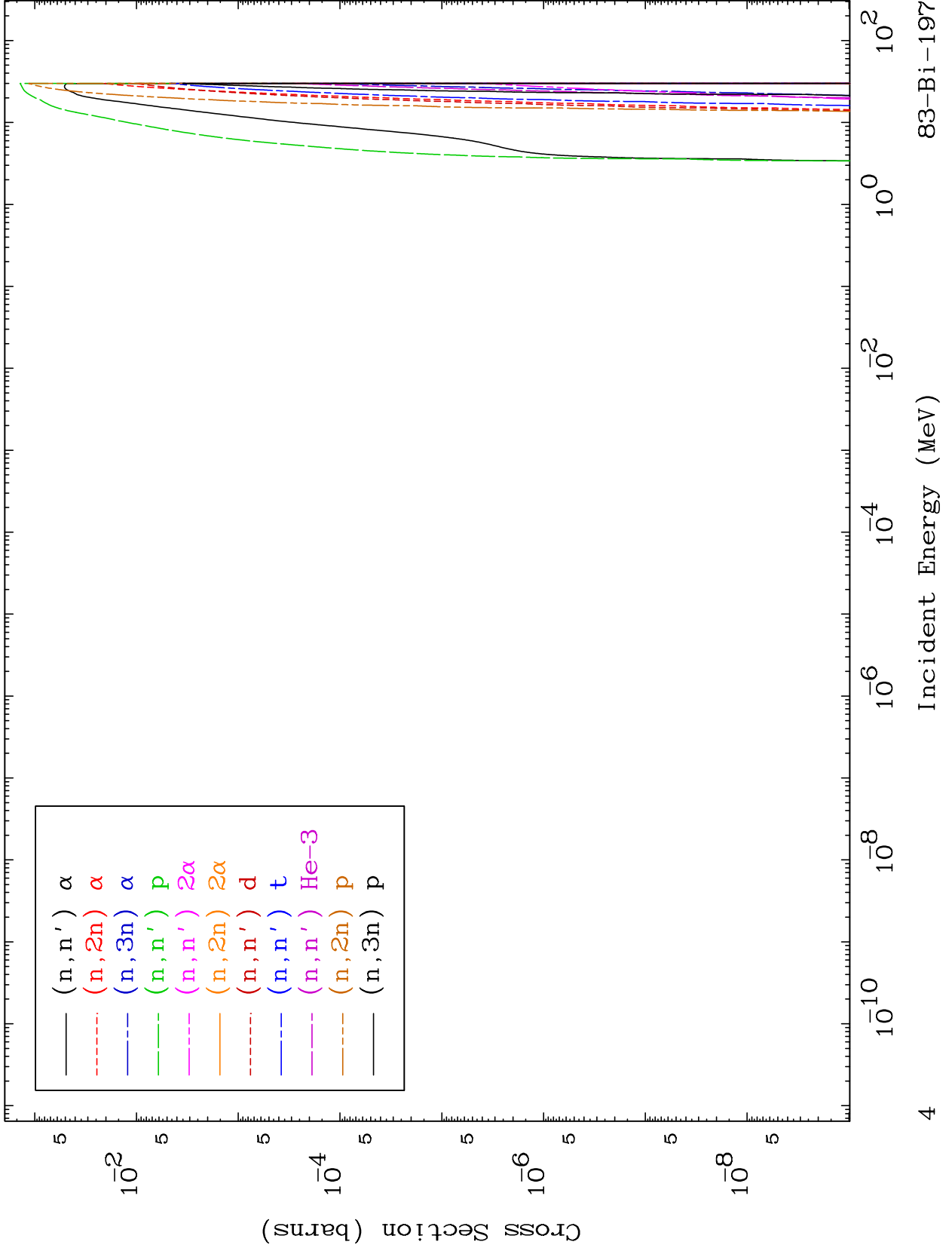
83-Bi-197



MAT 8290

Charged Particle  
293 Kelvin Cross Sections

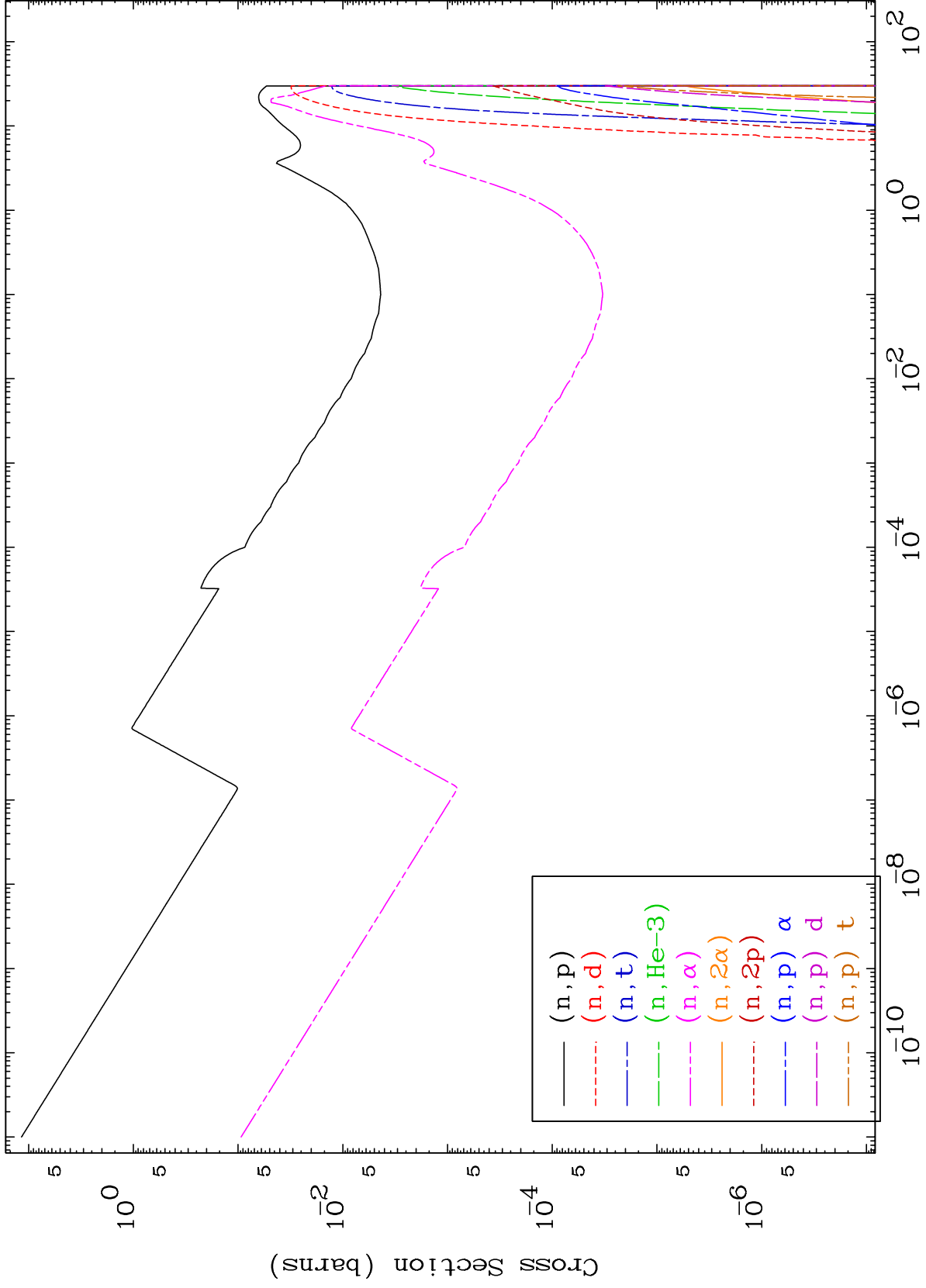
83-Bi-197



MAT 8290

Charged Particle  
293 Kelvin Cross Sections

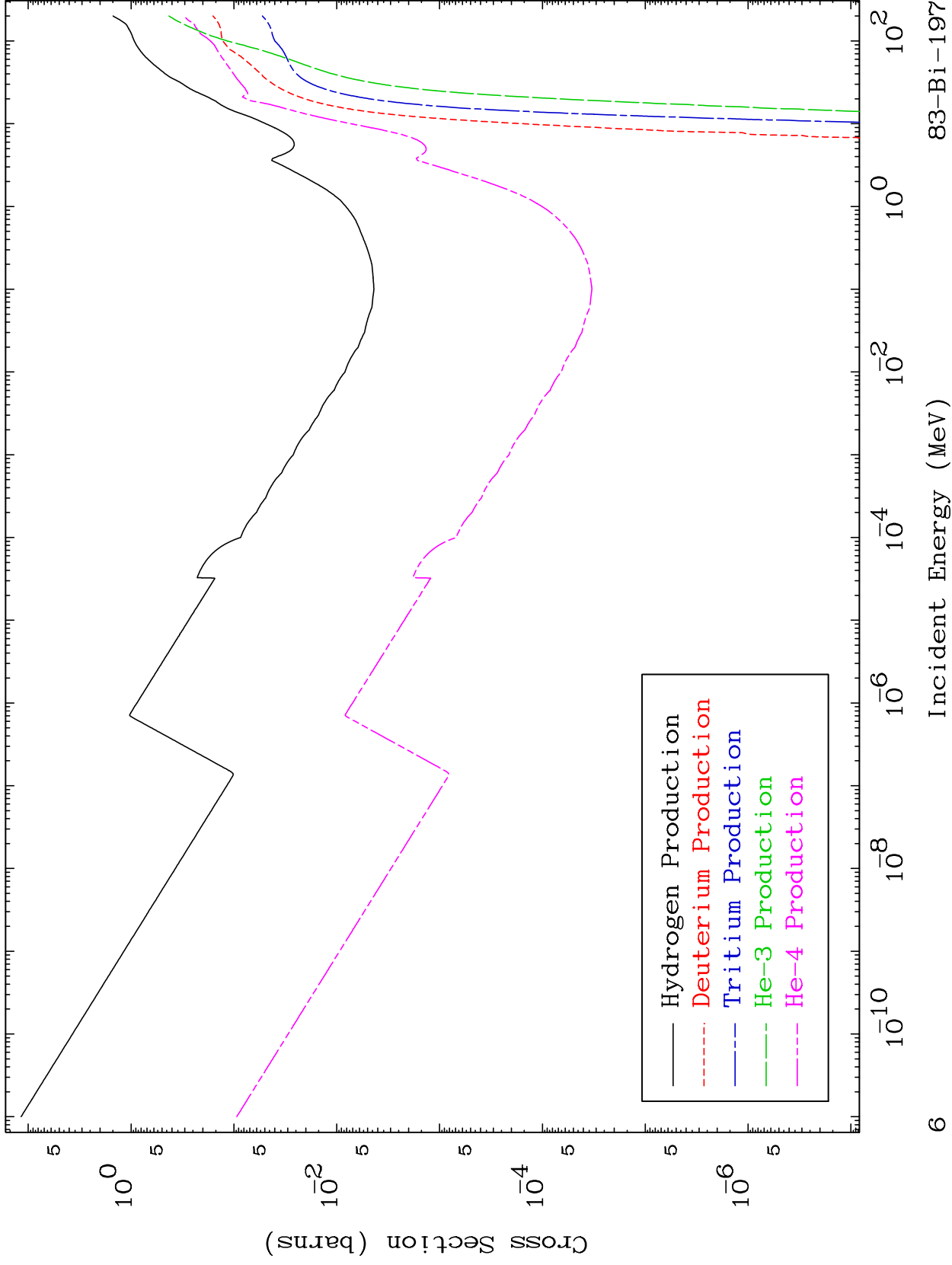
83-Bi-197



MAT 8290

Particle Production  
293 Kelvin Cross Sections

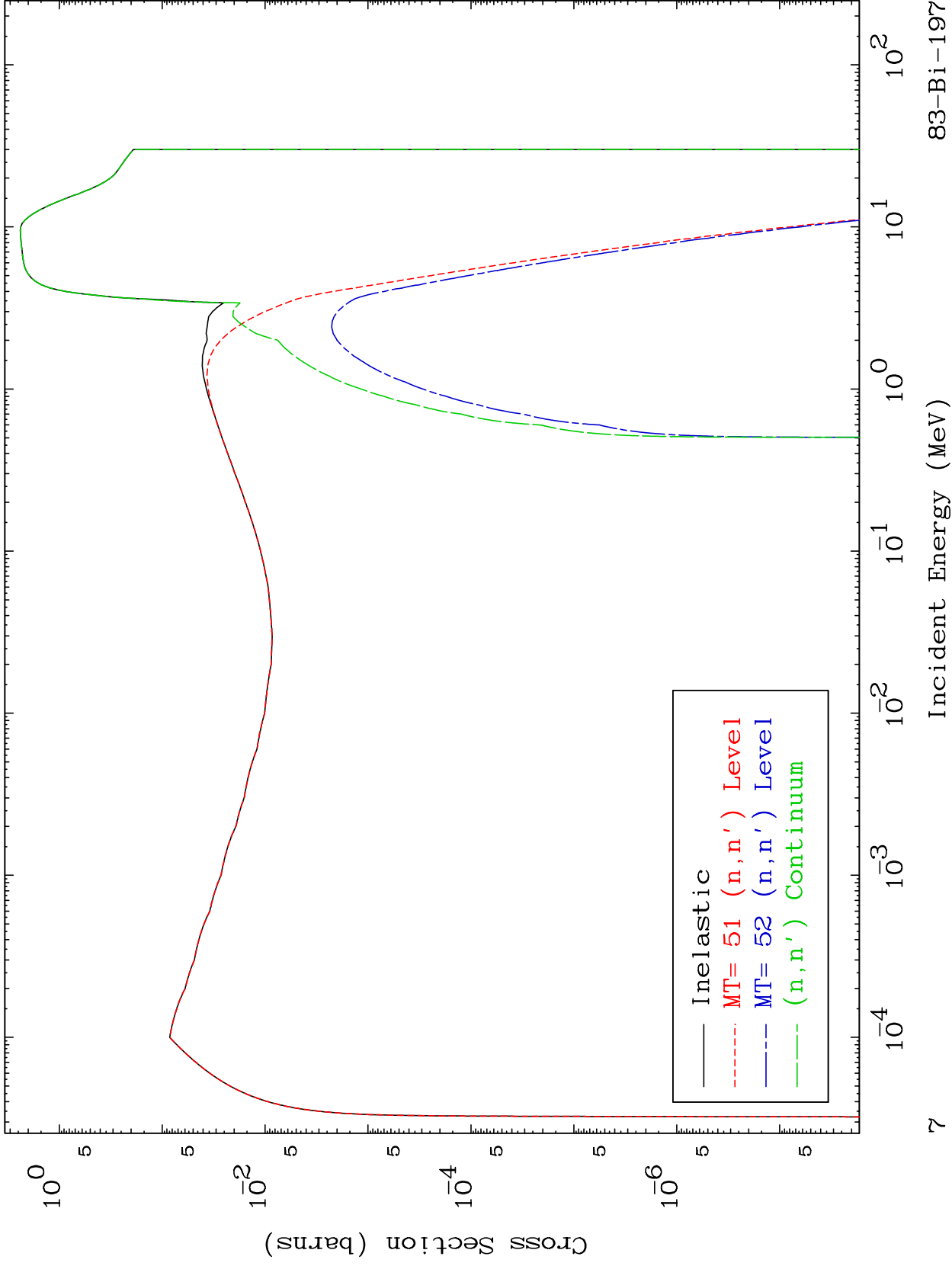
83-Bi-197



MAT 8290

(n,n') Level  
293 Kelvin Cross Sections

83-Bi-197

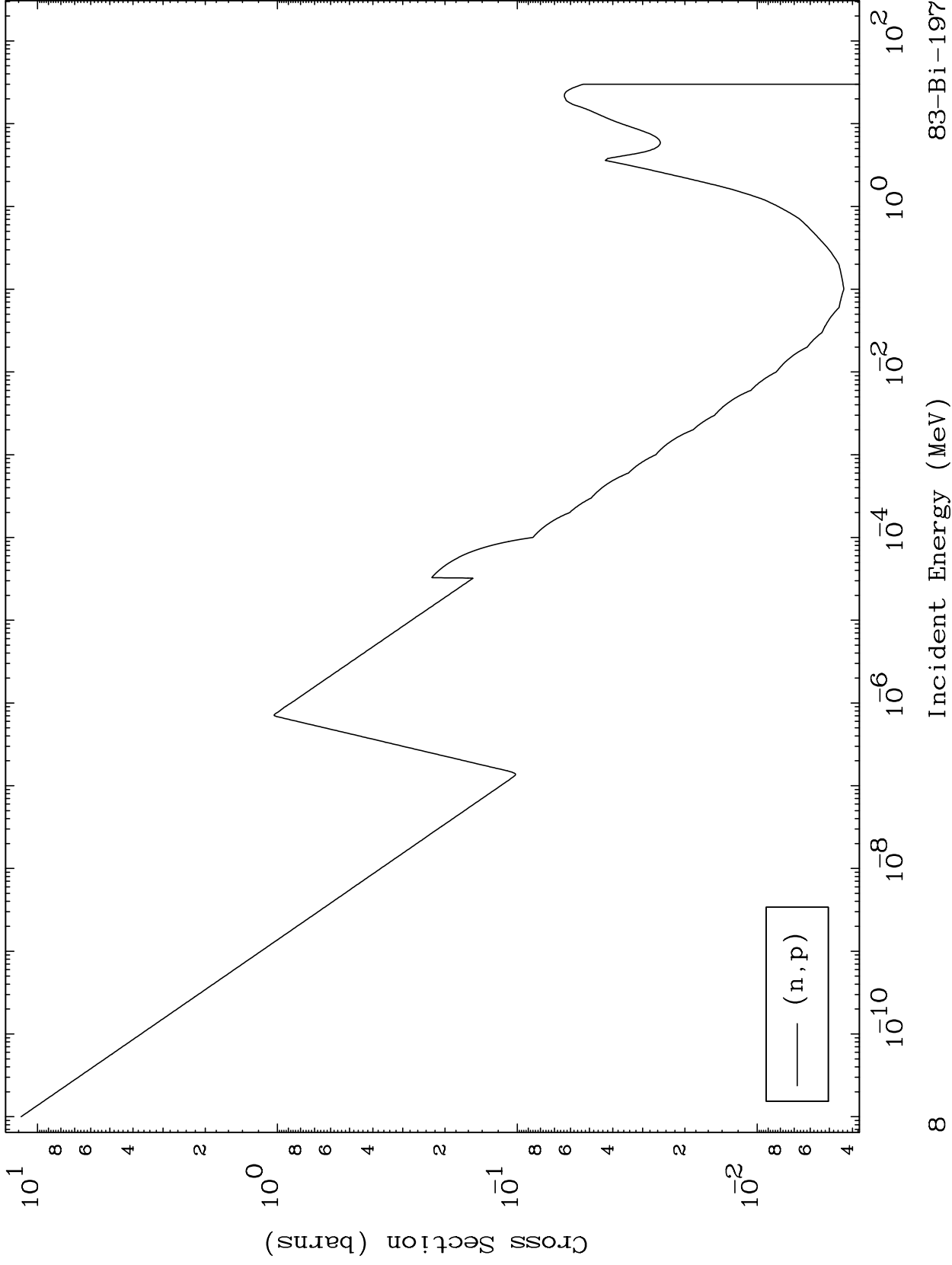




MAT 8290

(n,p) Levels  
293 Kelvin Cross Sections

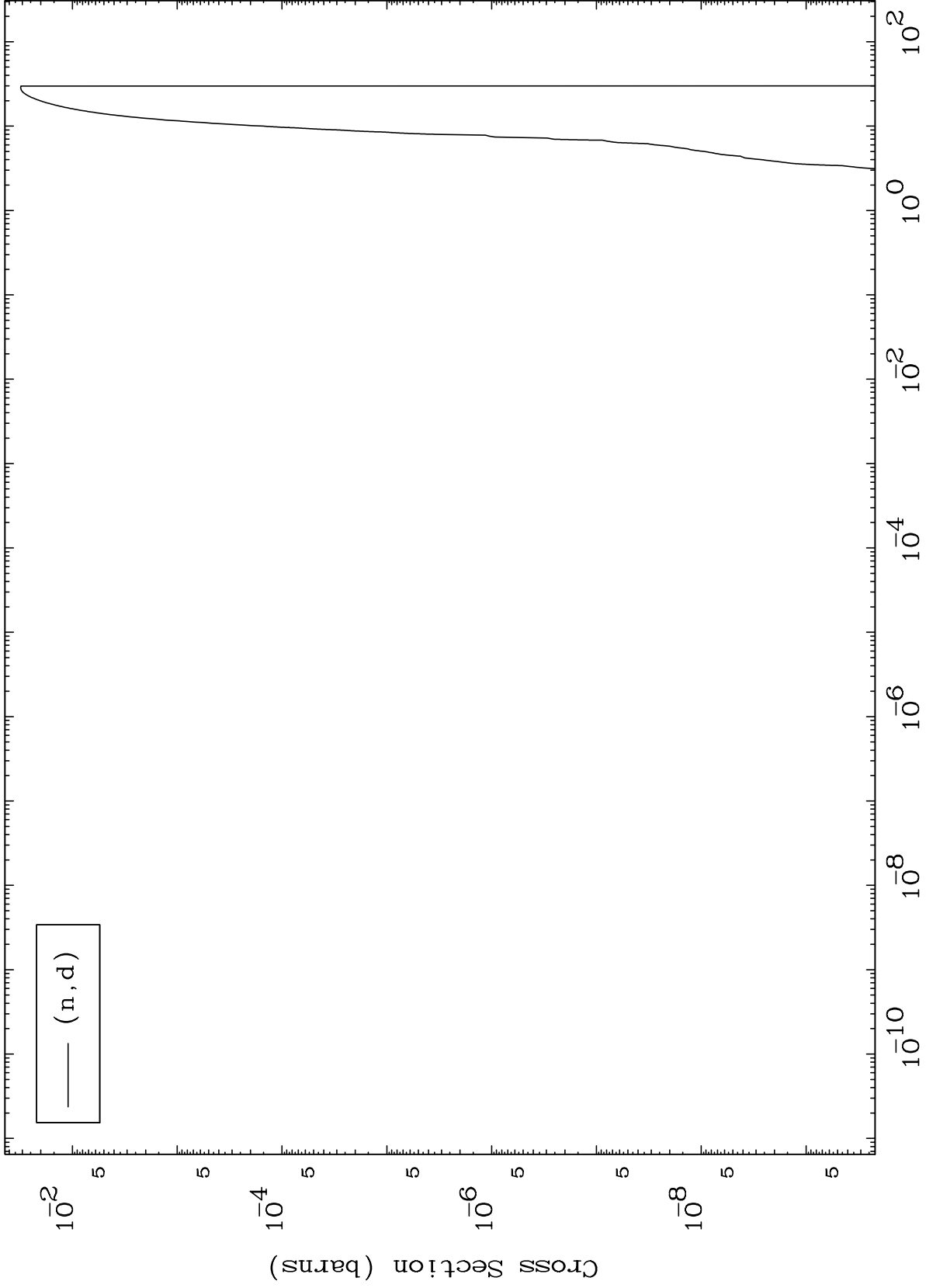
83-Bi-197



MAT 8290

(n,d) Levels  
293 Kelvin Cross Sections

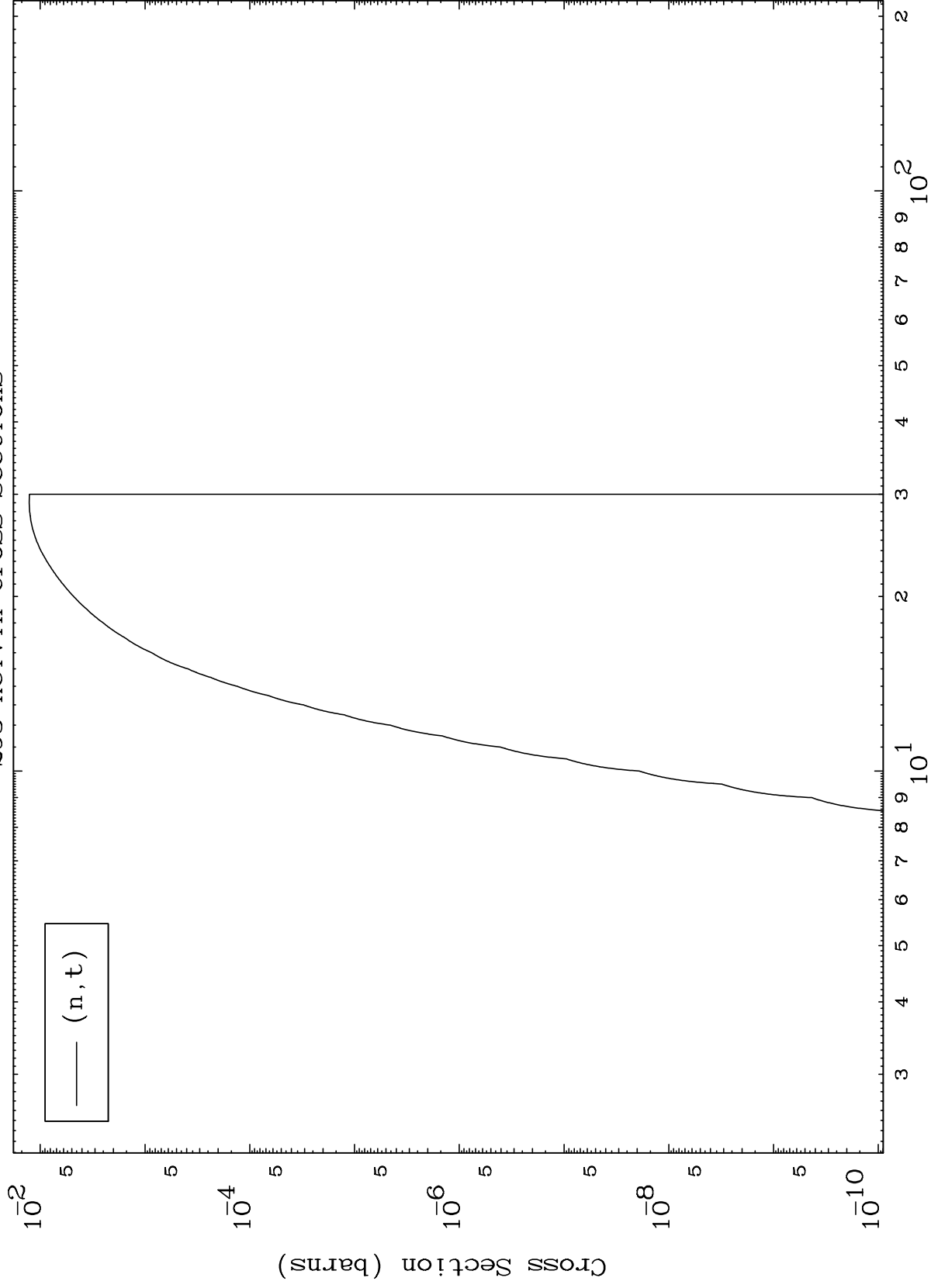
83-Bi-197



MAT 8290

(n,t) Levels  
293 Kelvin Cross Sections

83-Bi-197



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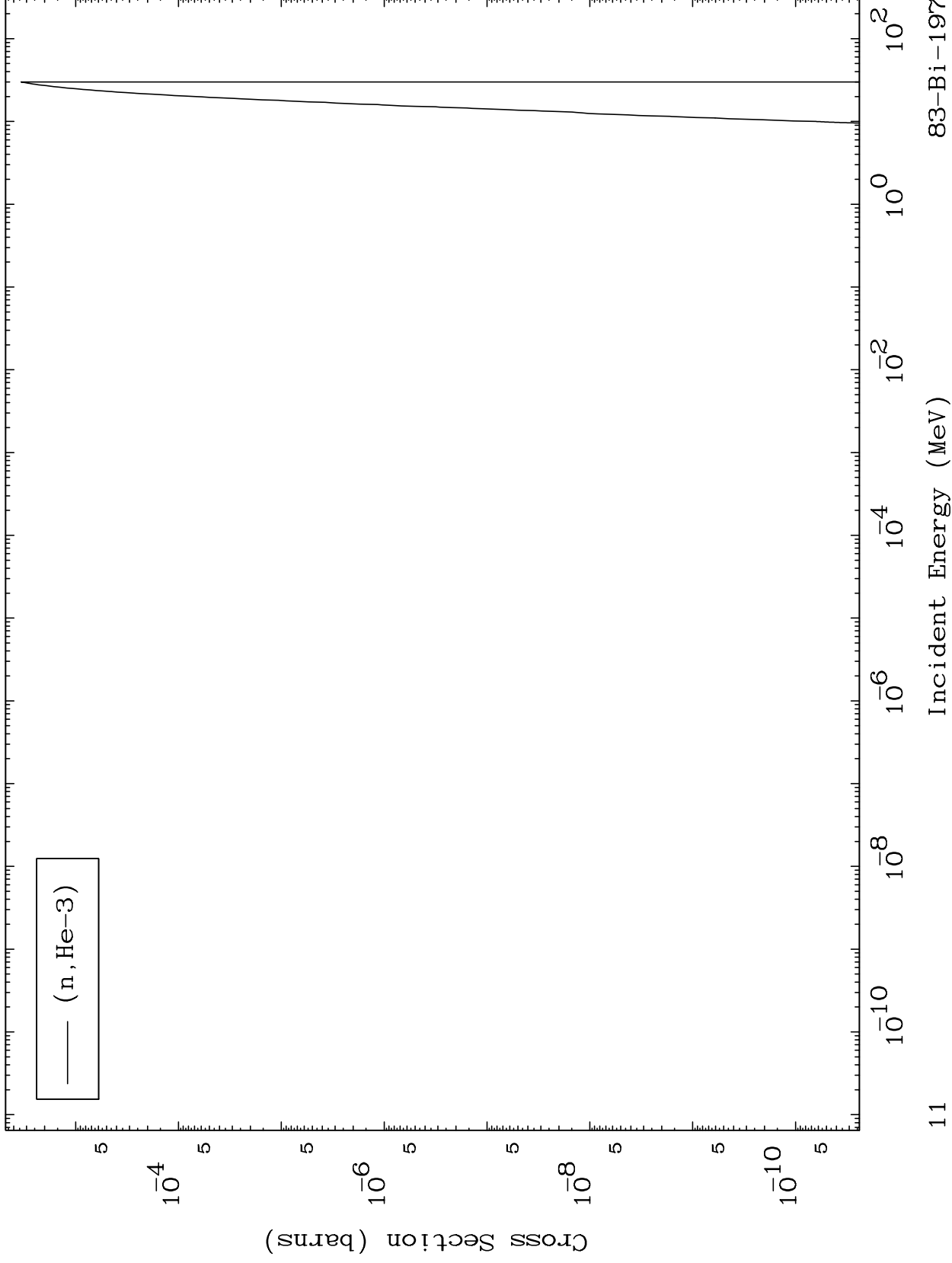
Incident Energy (MeV)

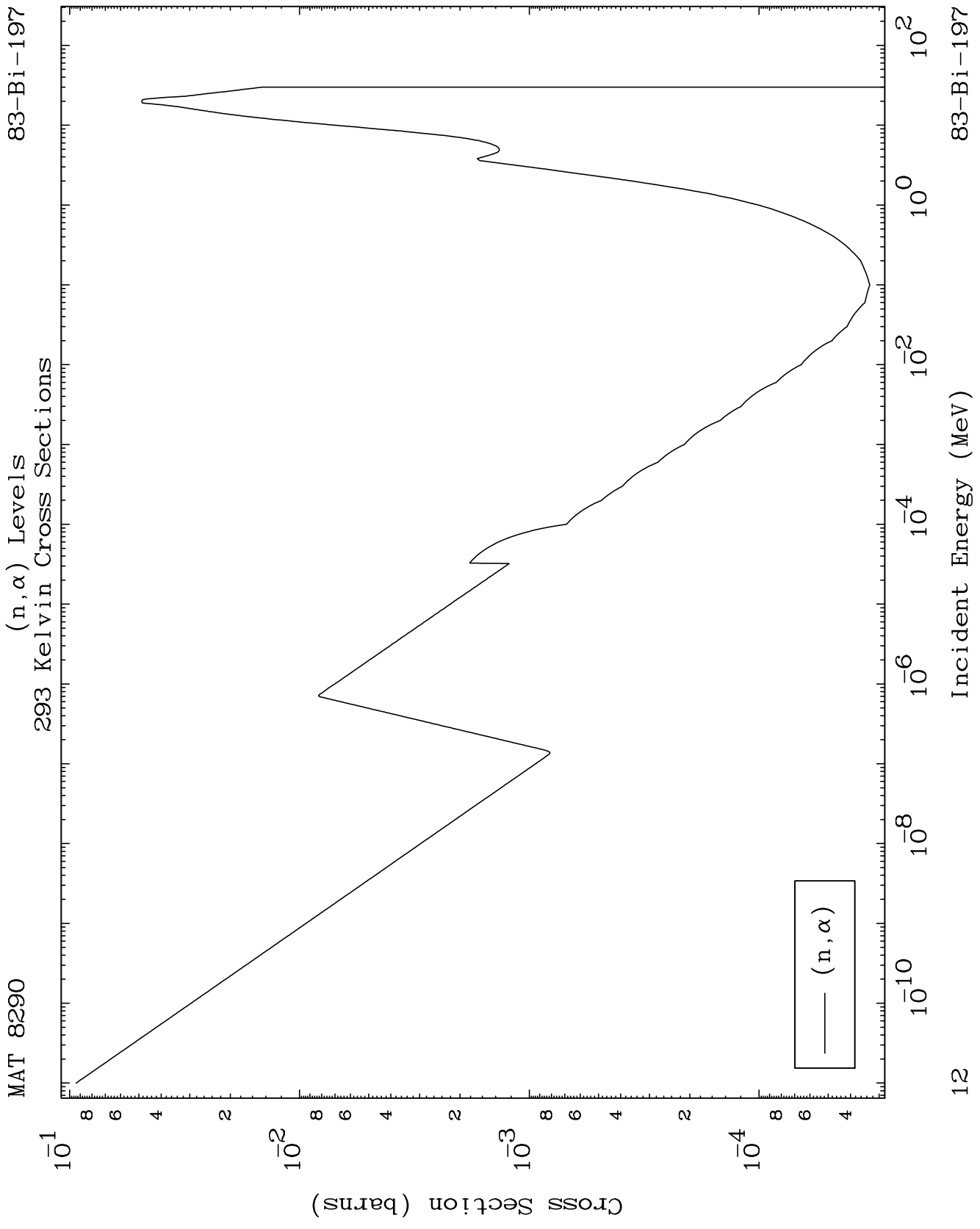
83-Bi-197

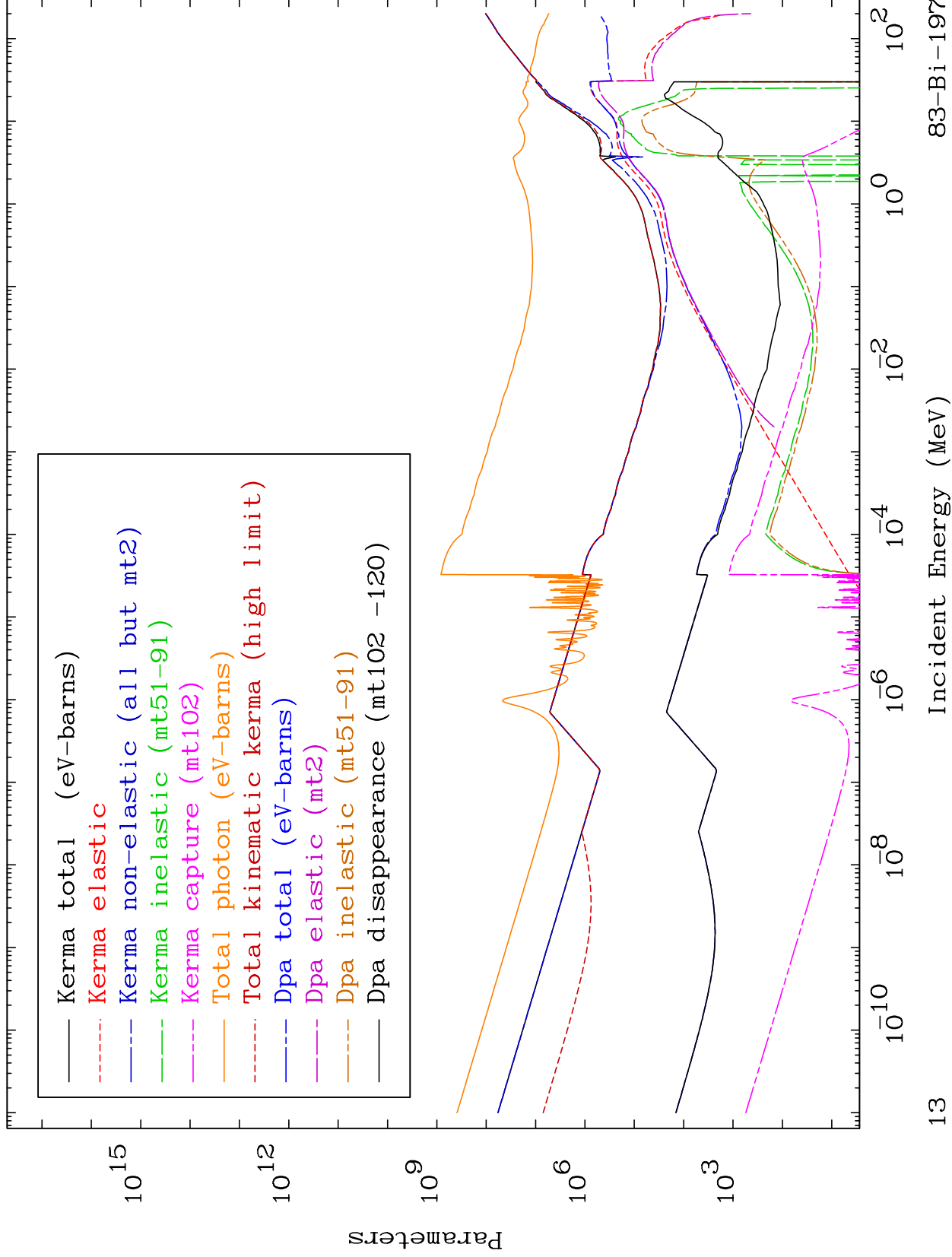
MAT 8290

(n,He3) Levels  
293 Kelvin Cross Sections

83-Bi-197



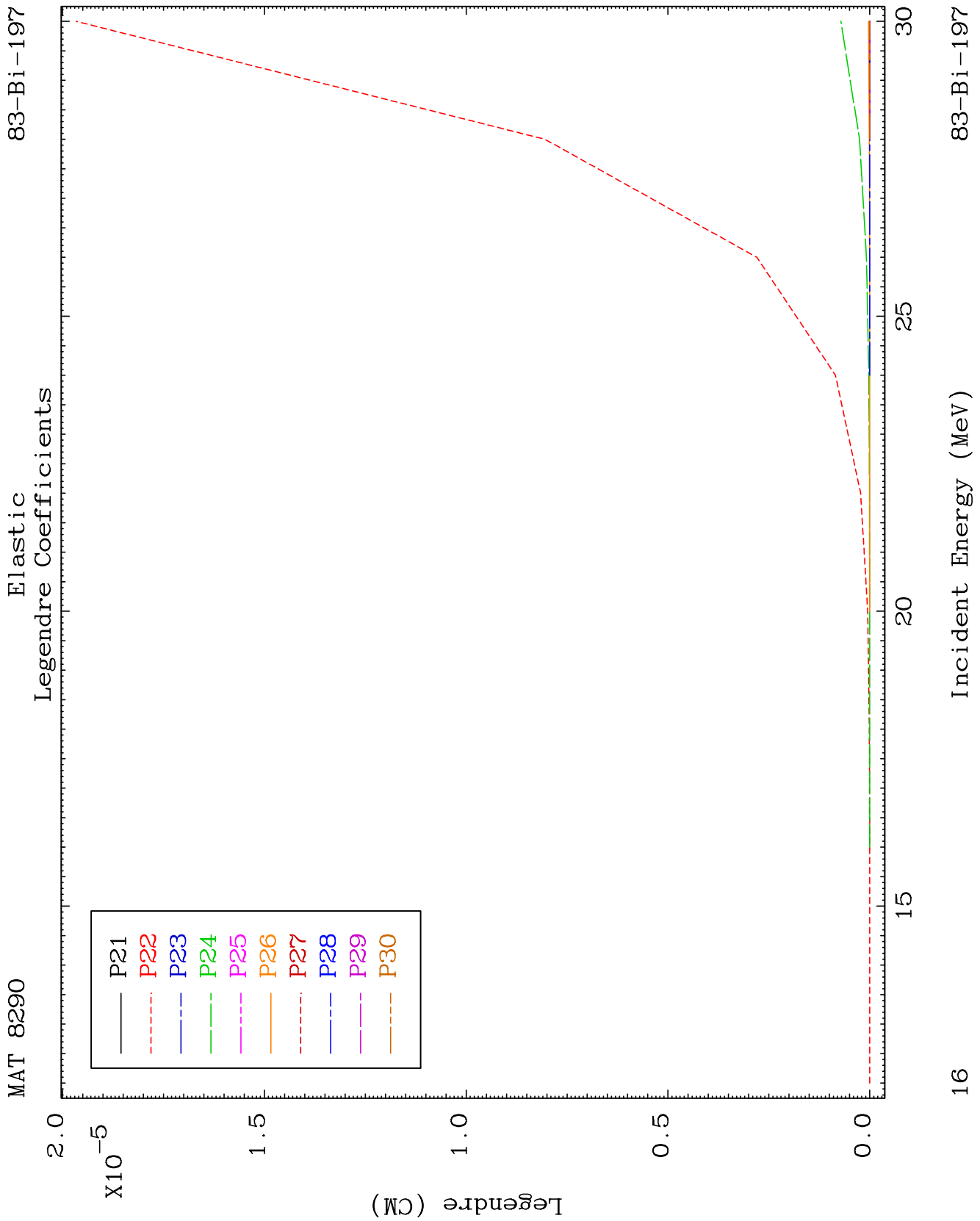








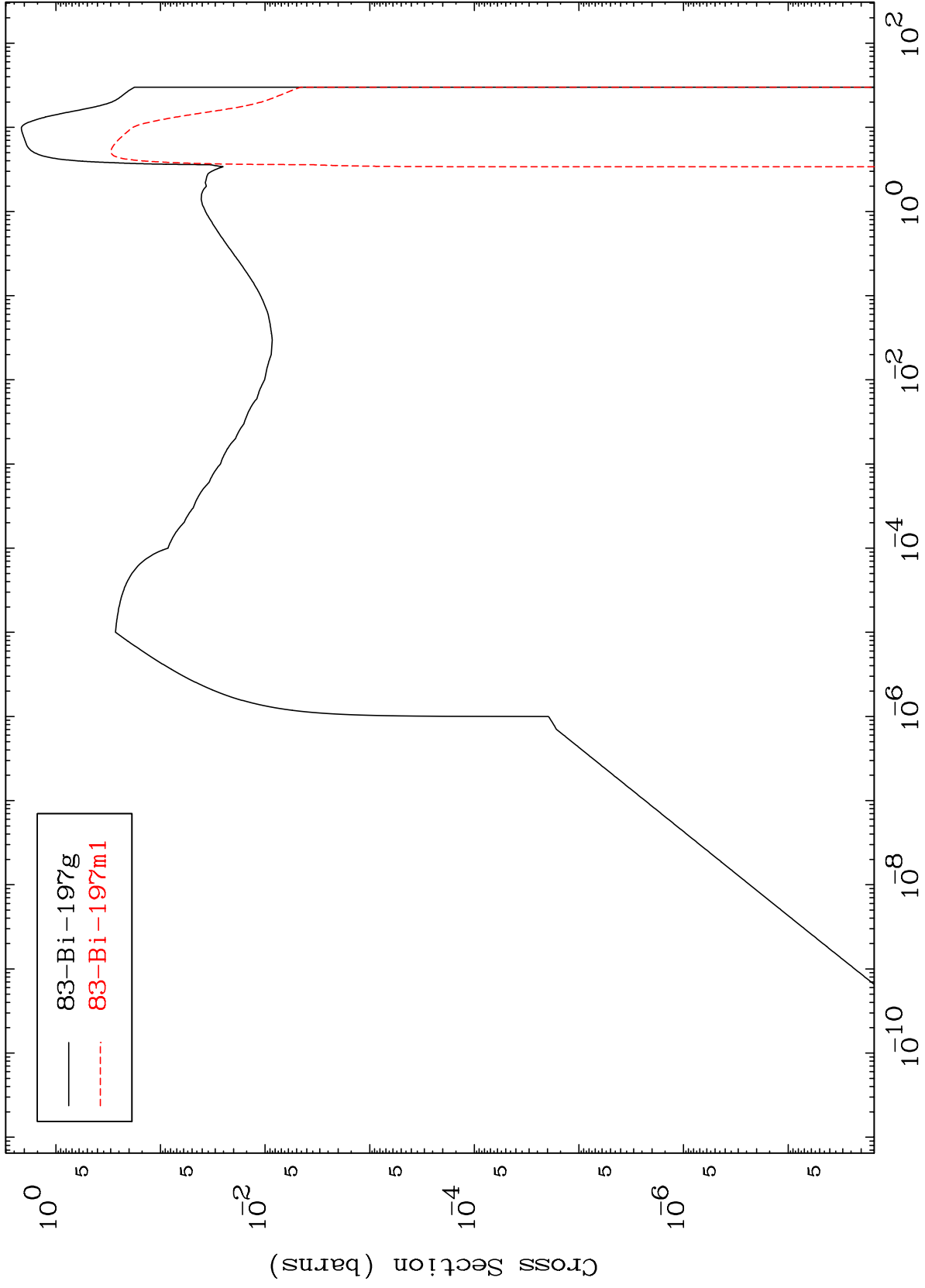




MAT 8290

Inelastic  
Radionuclide Production Cross Section

83-Bi-197



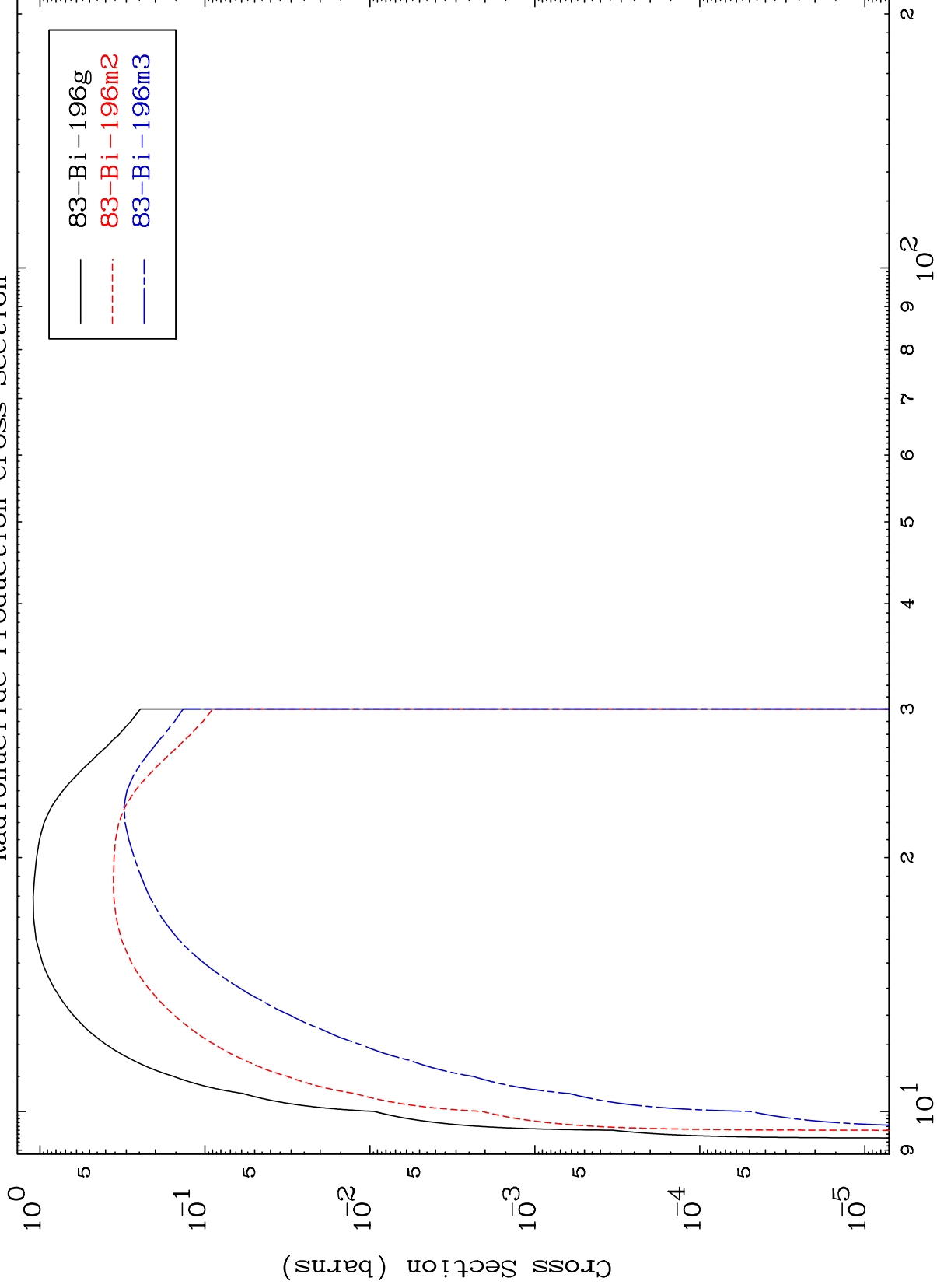
83-Bi-197

MAT 8290

(n,2n)

83-Bi-197

Radionuclide Production Cross Section



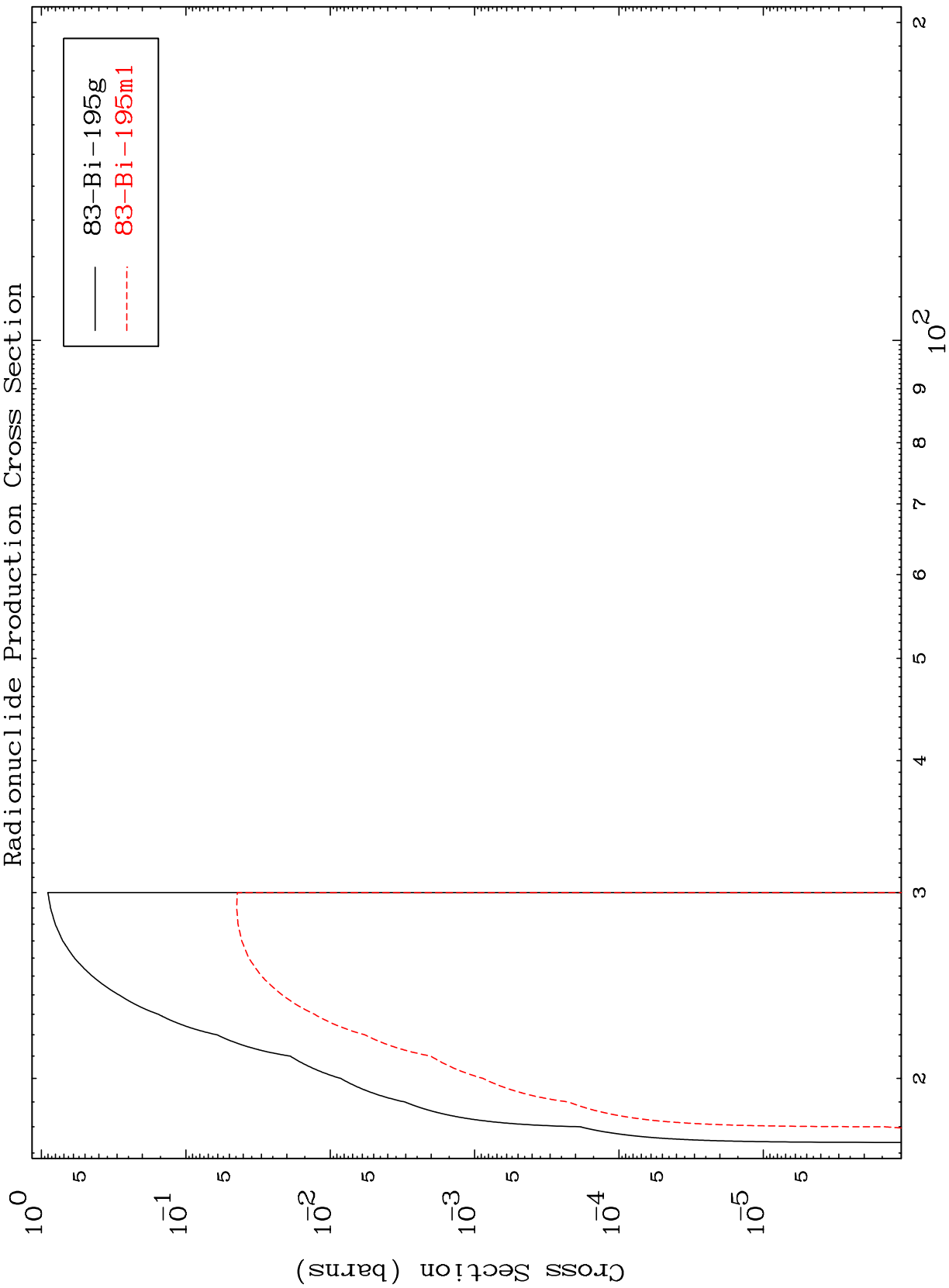
Incident Energy (MeV)

83-Bi-197

MAT 8290

83-Bi-197

(n,3n)  
Radionuclide Production Cross Section



19

Incident Energy (MeV)

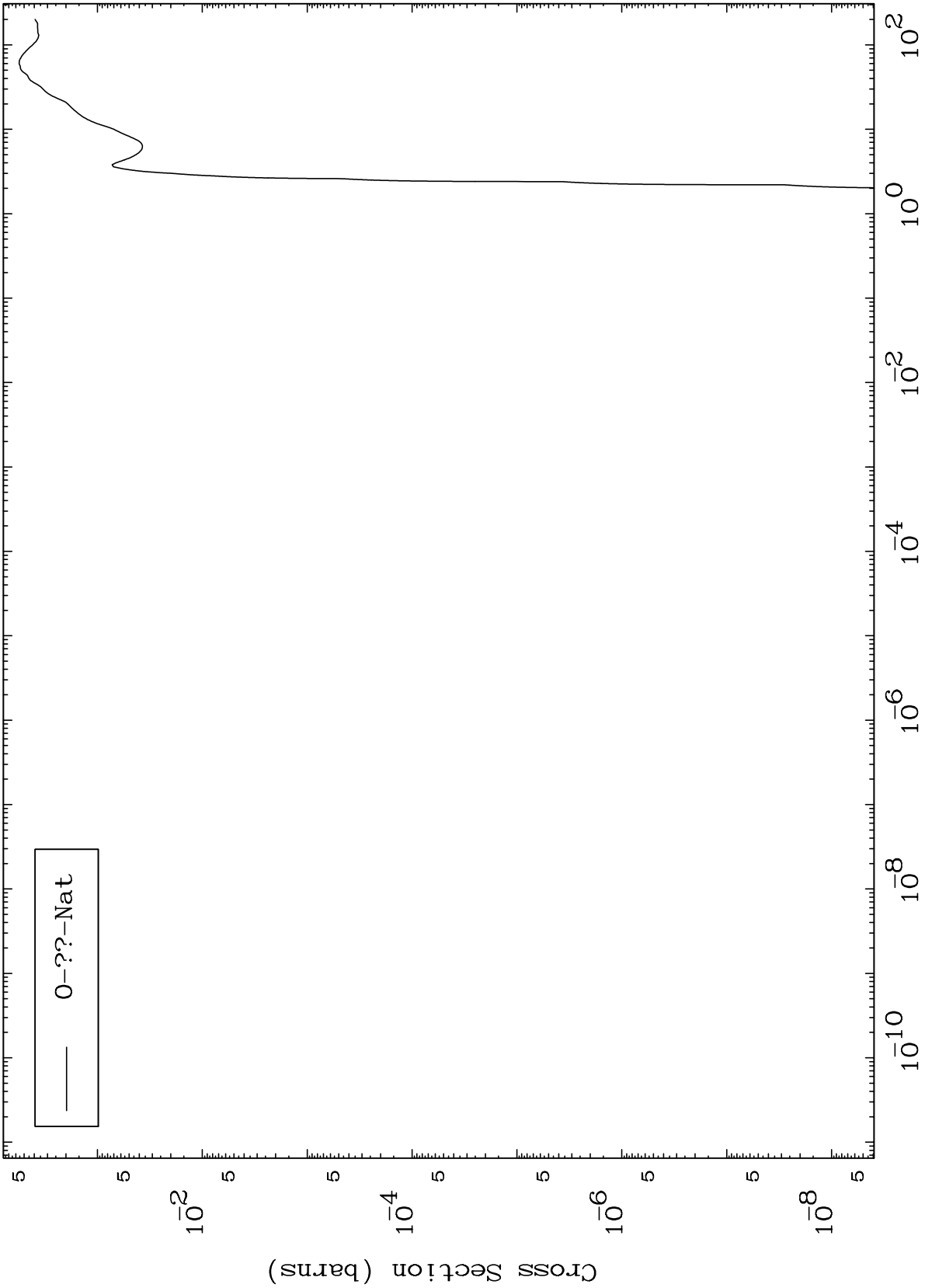
83-Bi-197

MAT 8290

Fission

83-Bi-197

Radionuclide Production Cross Section



20

Incident Energy (MeV)

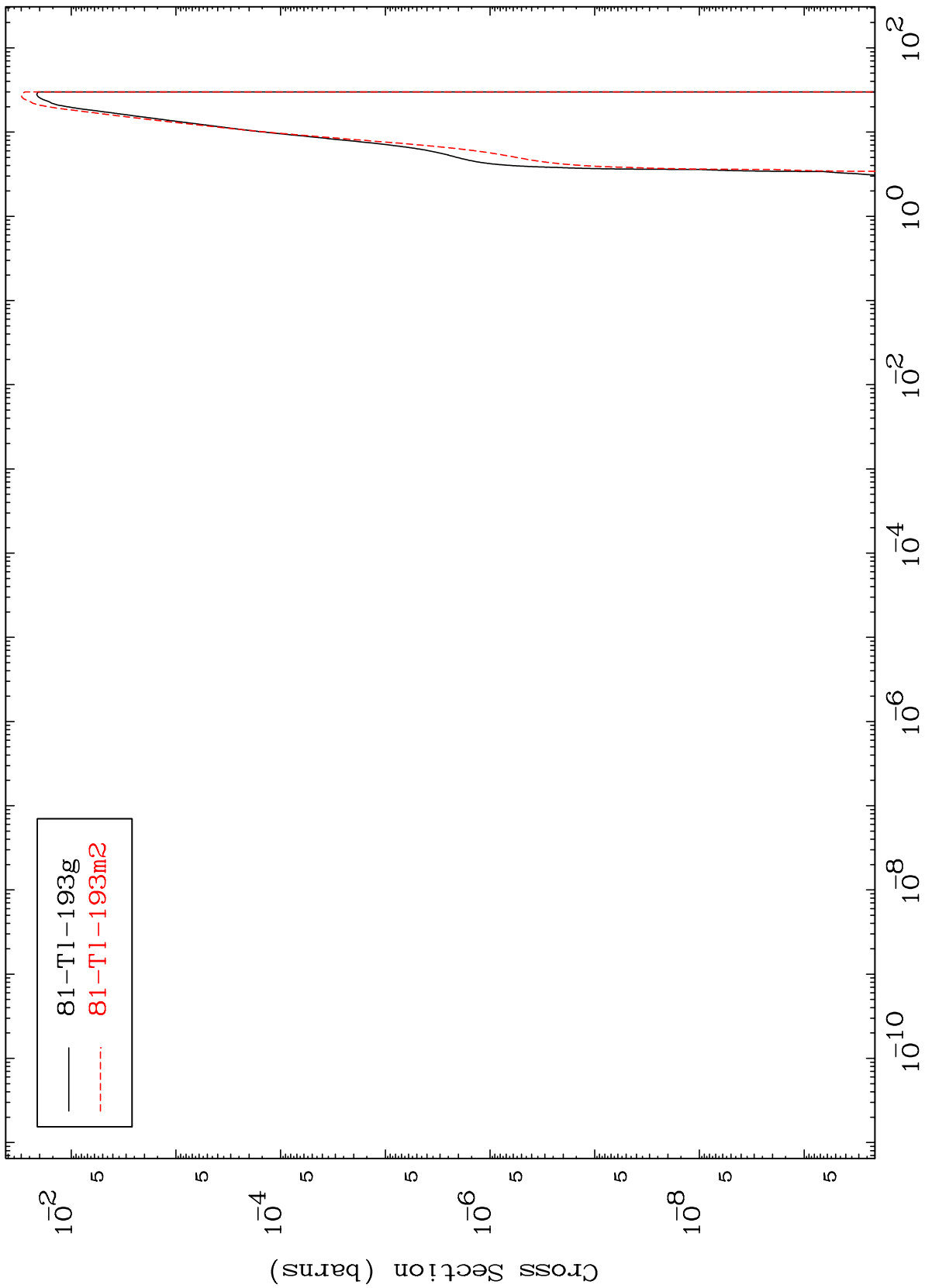
83-Bi-197

MAT 8290

$(n, n')$   $\alpha$

83-Bi-197

Radionuclide Production Cross Section

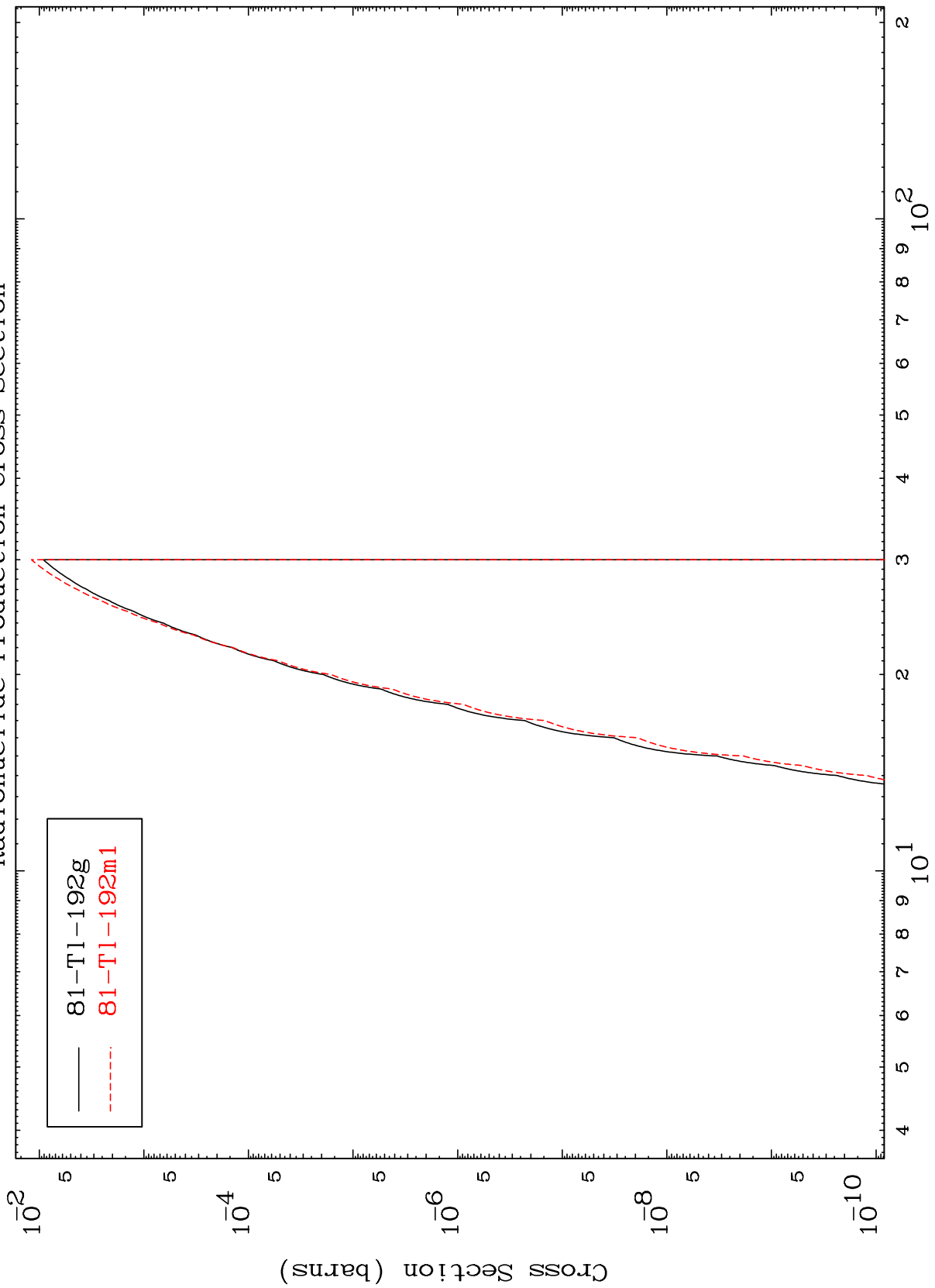


MAT 8290

$(n, 2n) \alpha$

83-Bi-197

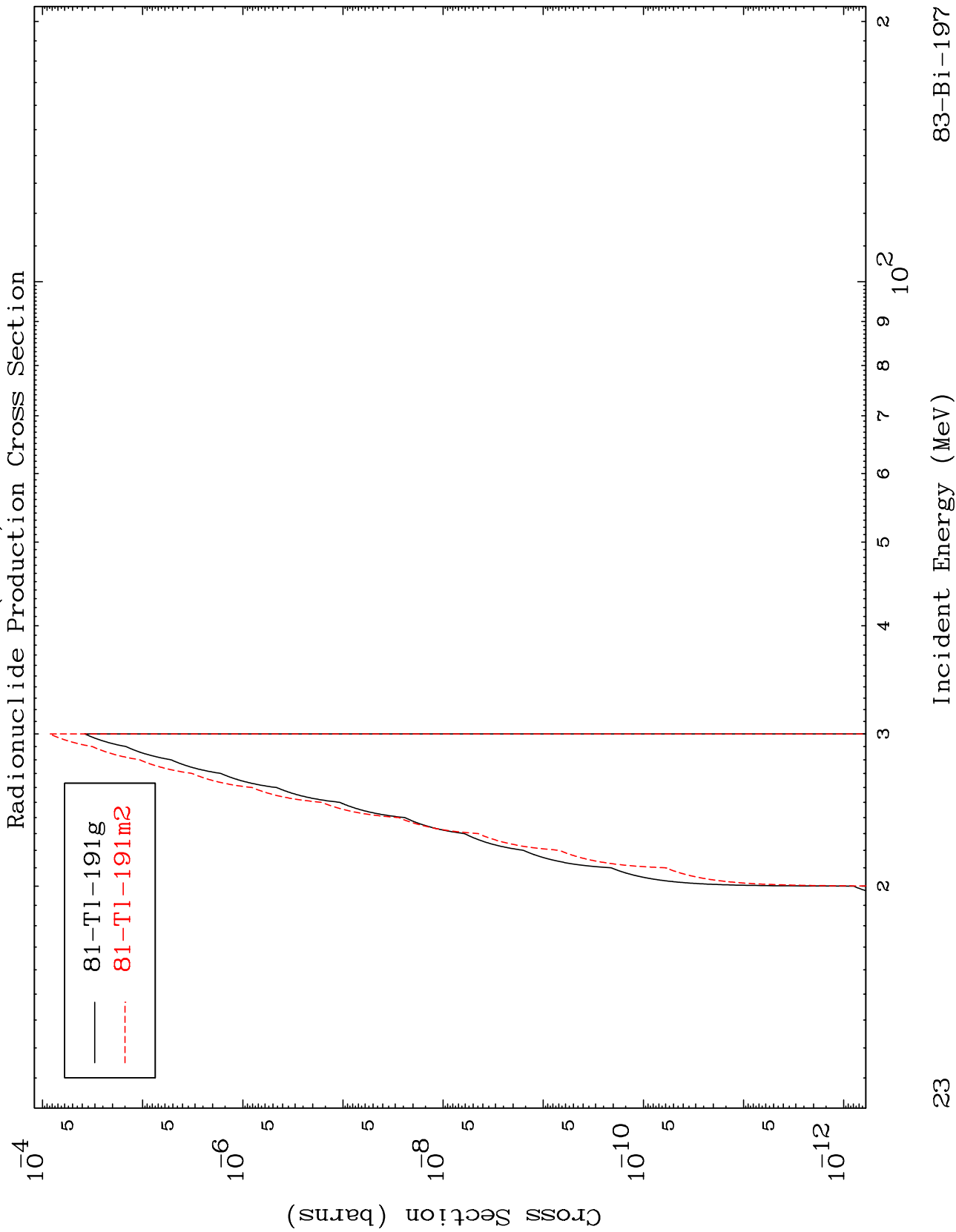
Radionuclide Production Cross Section



MAT 8290

(n,3n)  $\alpha$

83-Bi-197



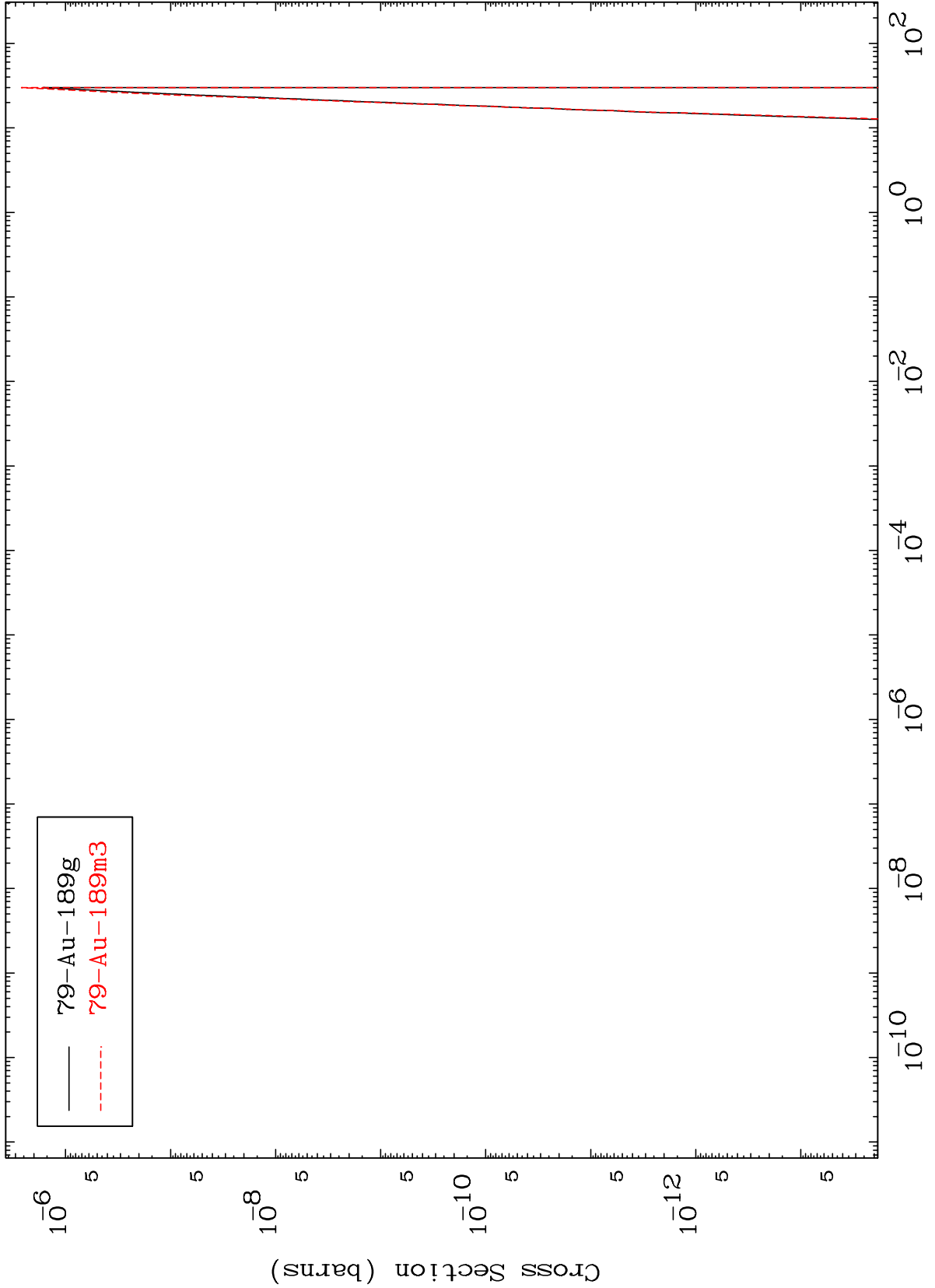


MAT 8290

(n,n') 2α

83-Bi-197

Radionuclide Production Cross Section



24

Incident Energy (MeV)

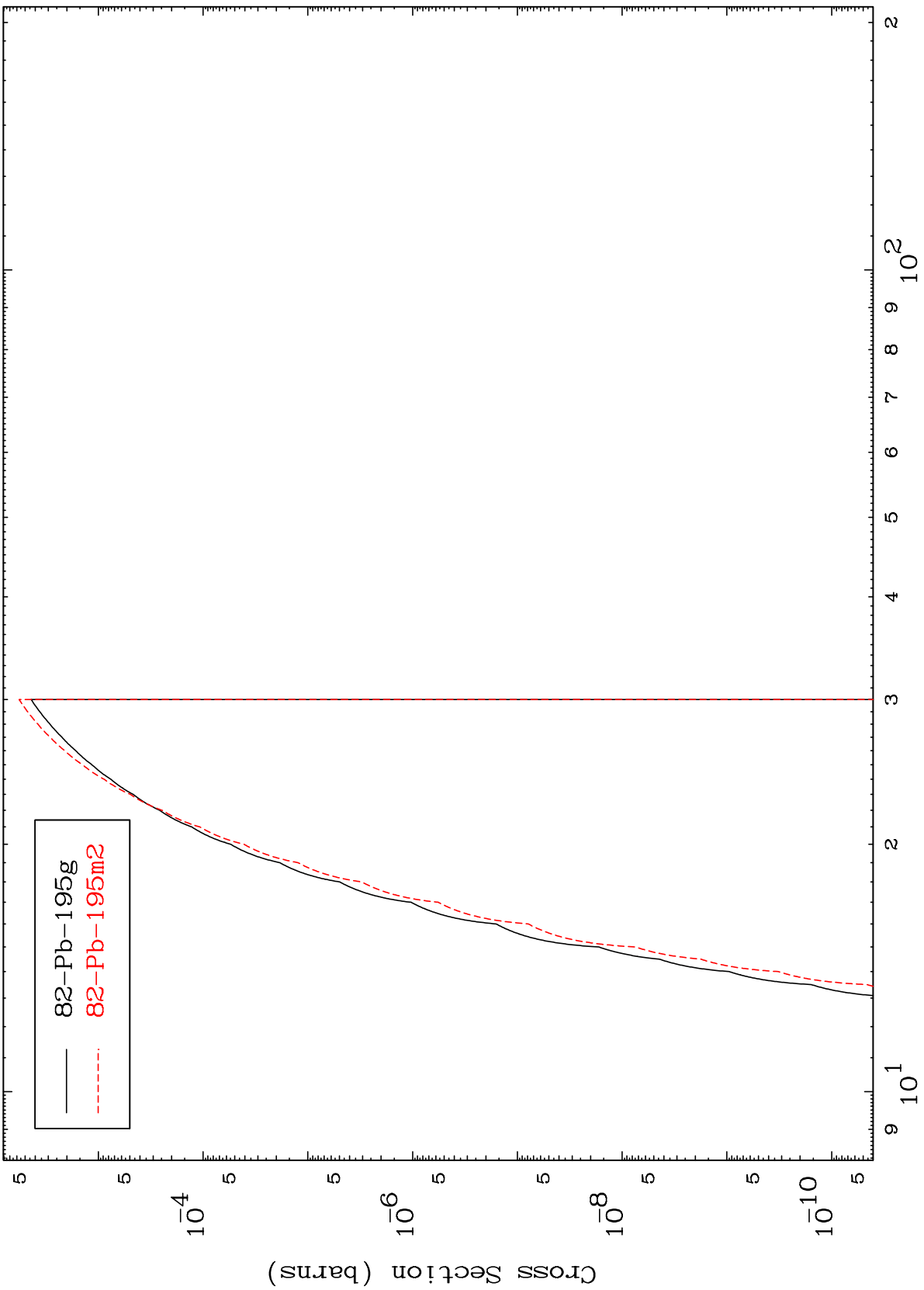
83-Bi-197

MAT 8290

(n,n') d

83-Bi-197

Radionuclide Production Cross Section



82-Pb-195g  
82-Pb-195m2

25

Incident Energy (MeV)

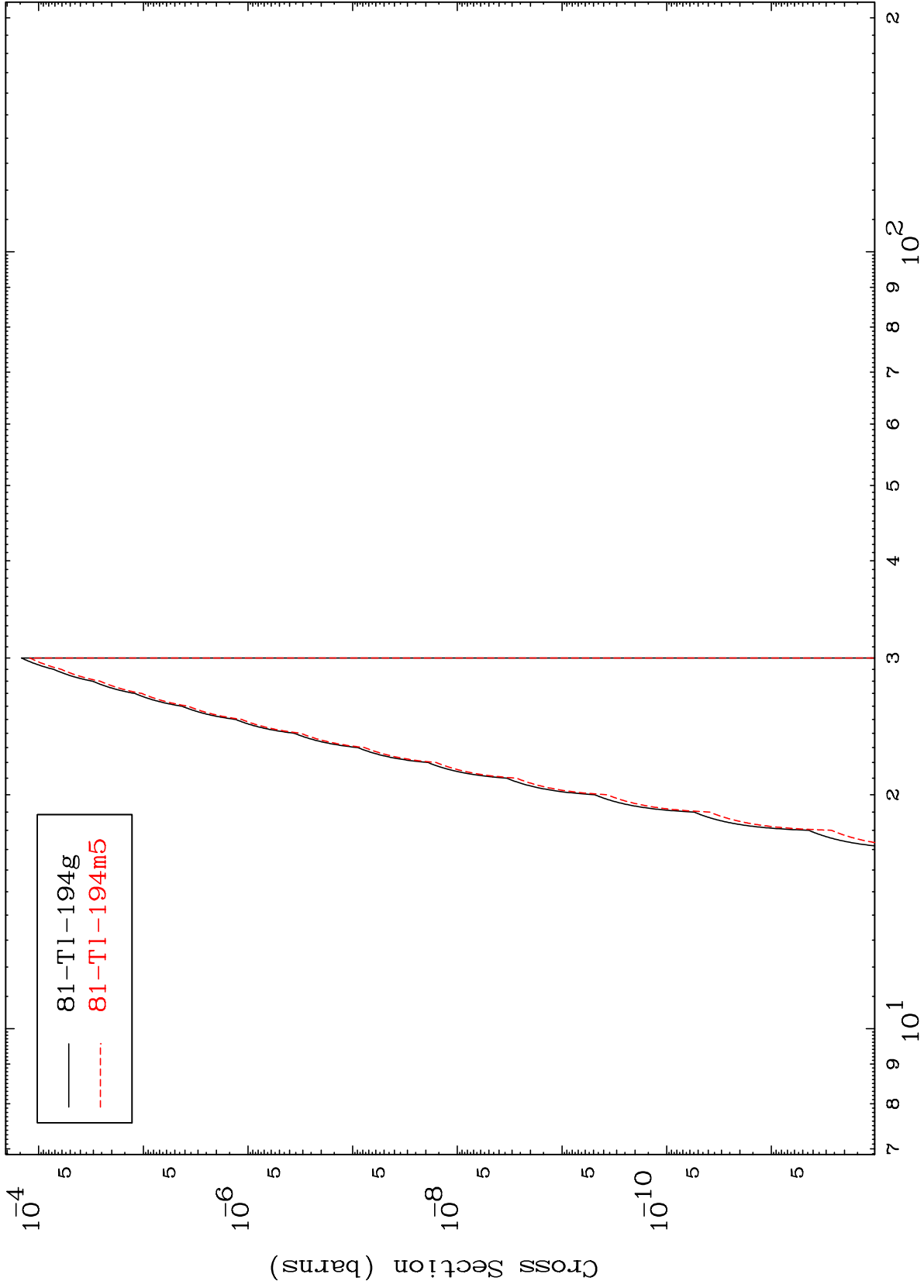
83-Bi-197

MAT 8290

(n,n') He-3

83-Bi-197

Radionuclide Production Cross Section



26

Incident Energy (MeV)

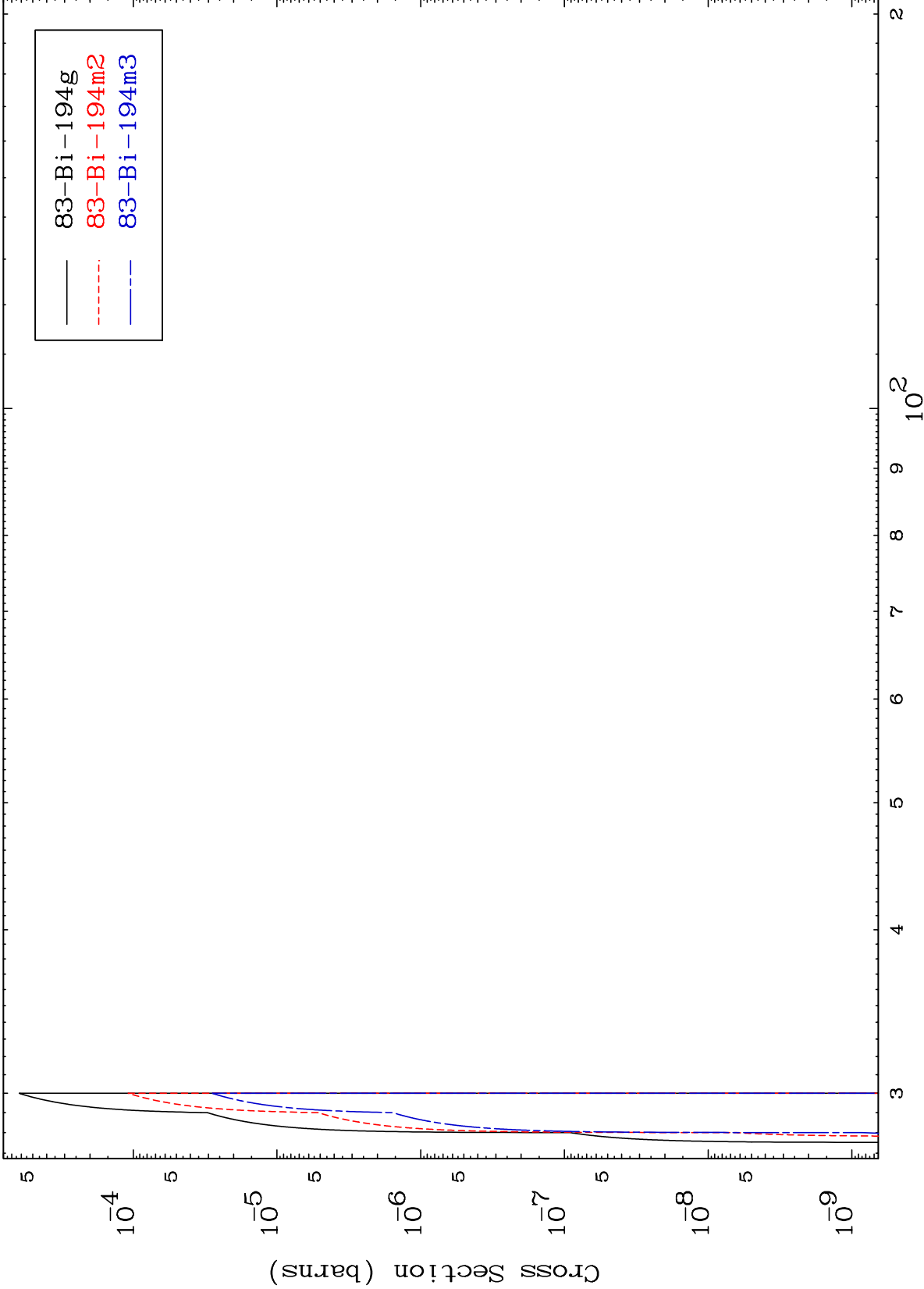
83-Bi-197

MAT 8290

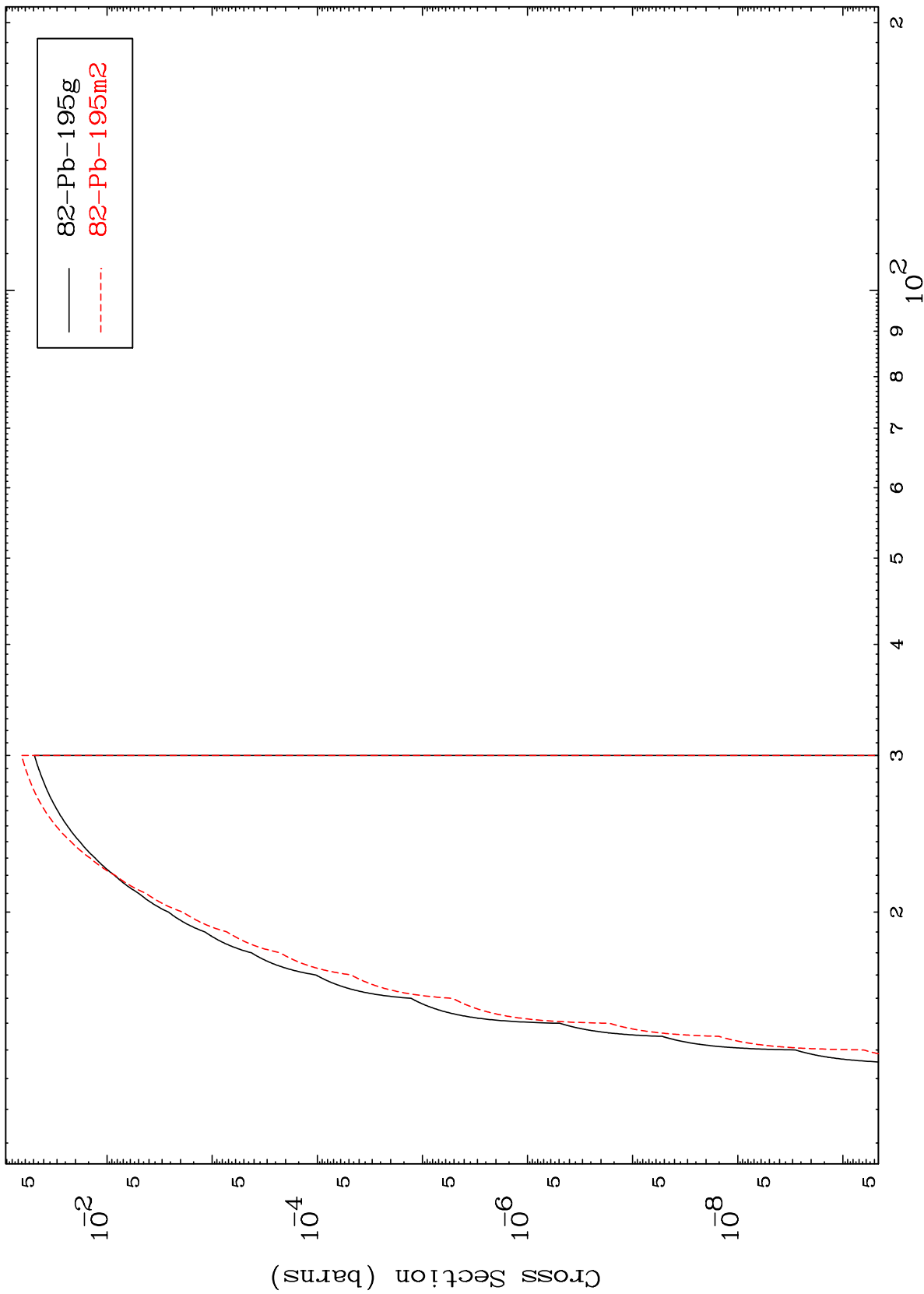
(n,4n)

83-Bi-197

Radionuclide Production Cross Section



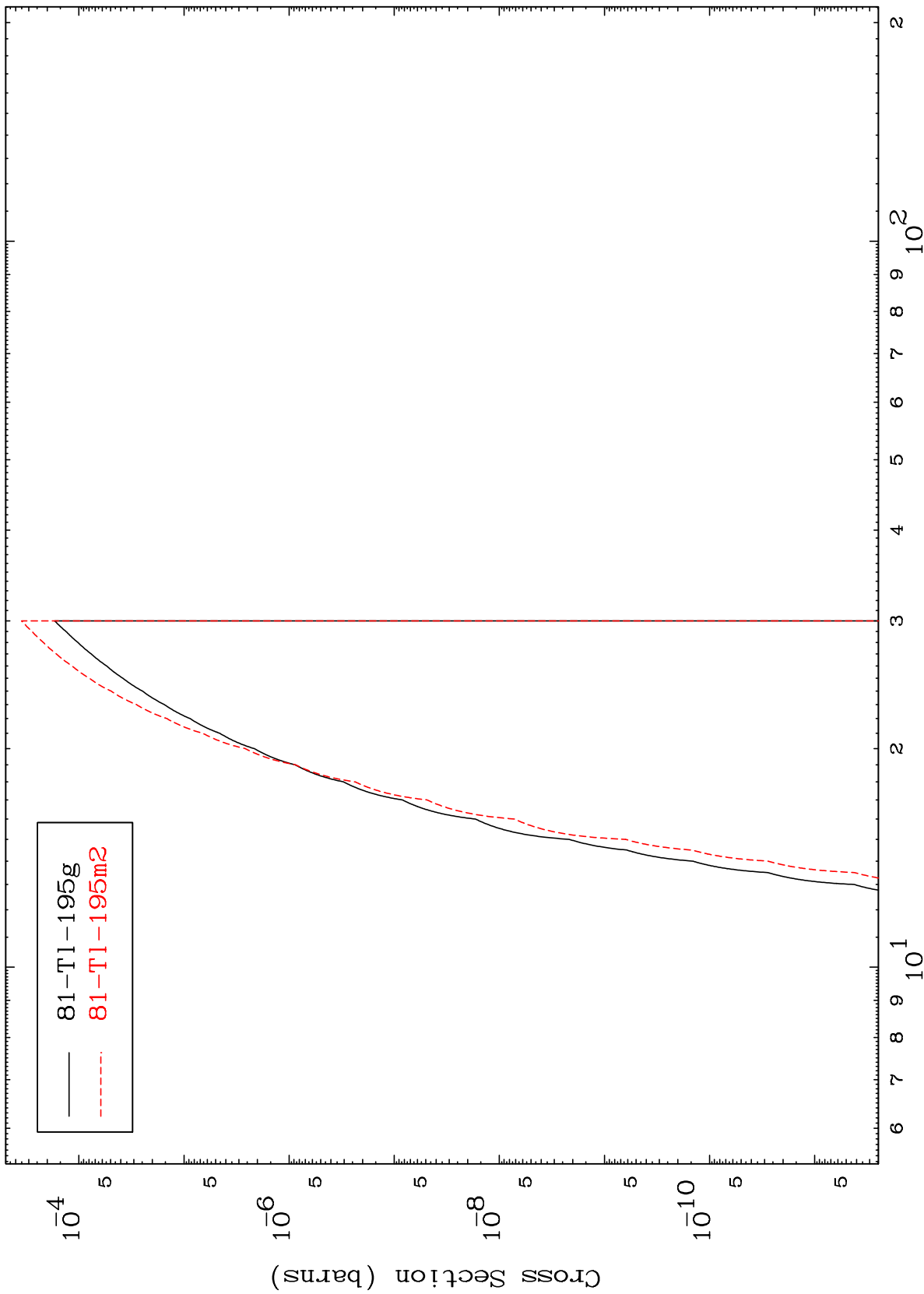
Radionuclide Production Cross Section



MAT 8290

83-Bi-197

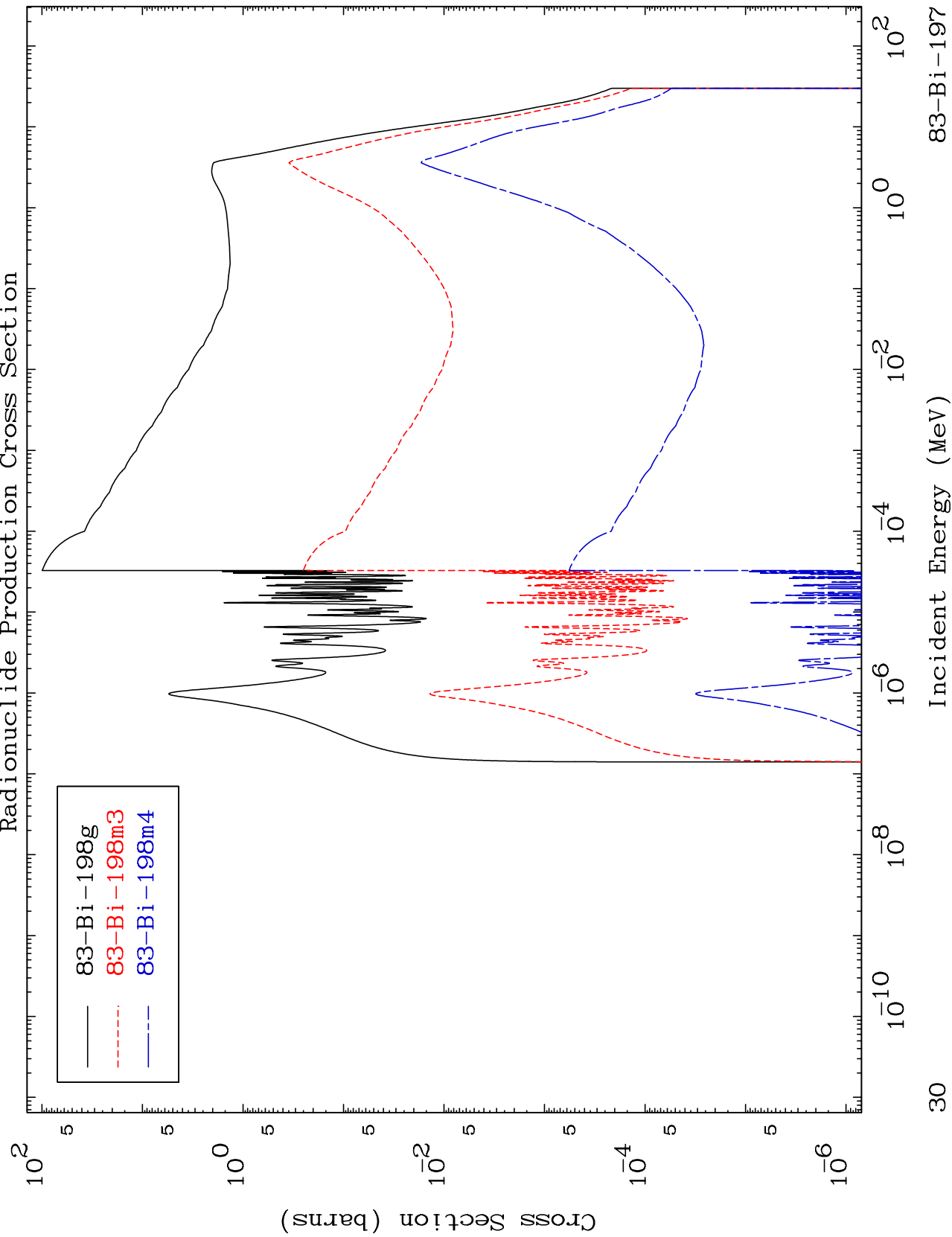
(n,2n) p  
Radionuclide Production Cross Section



MAT 8290

83-Bi-197

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



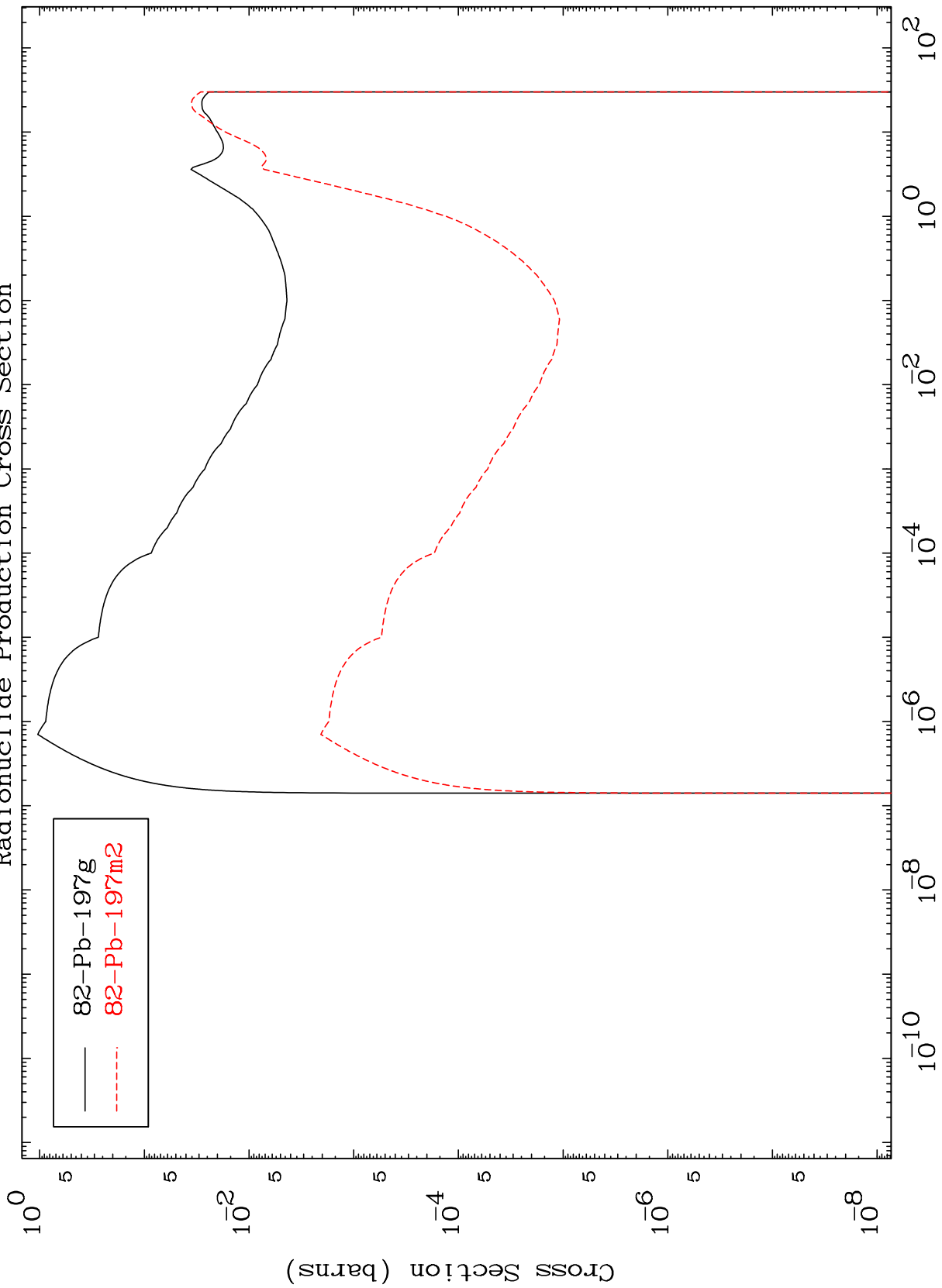
30

83-Bi-197

MAT 8290

83-Bi-197

Radionuclide Production Cross Section

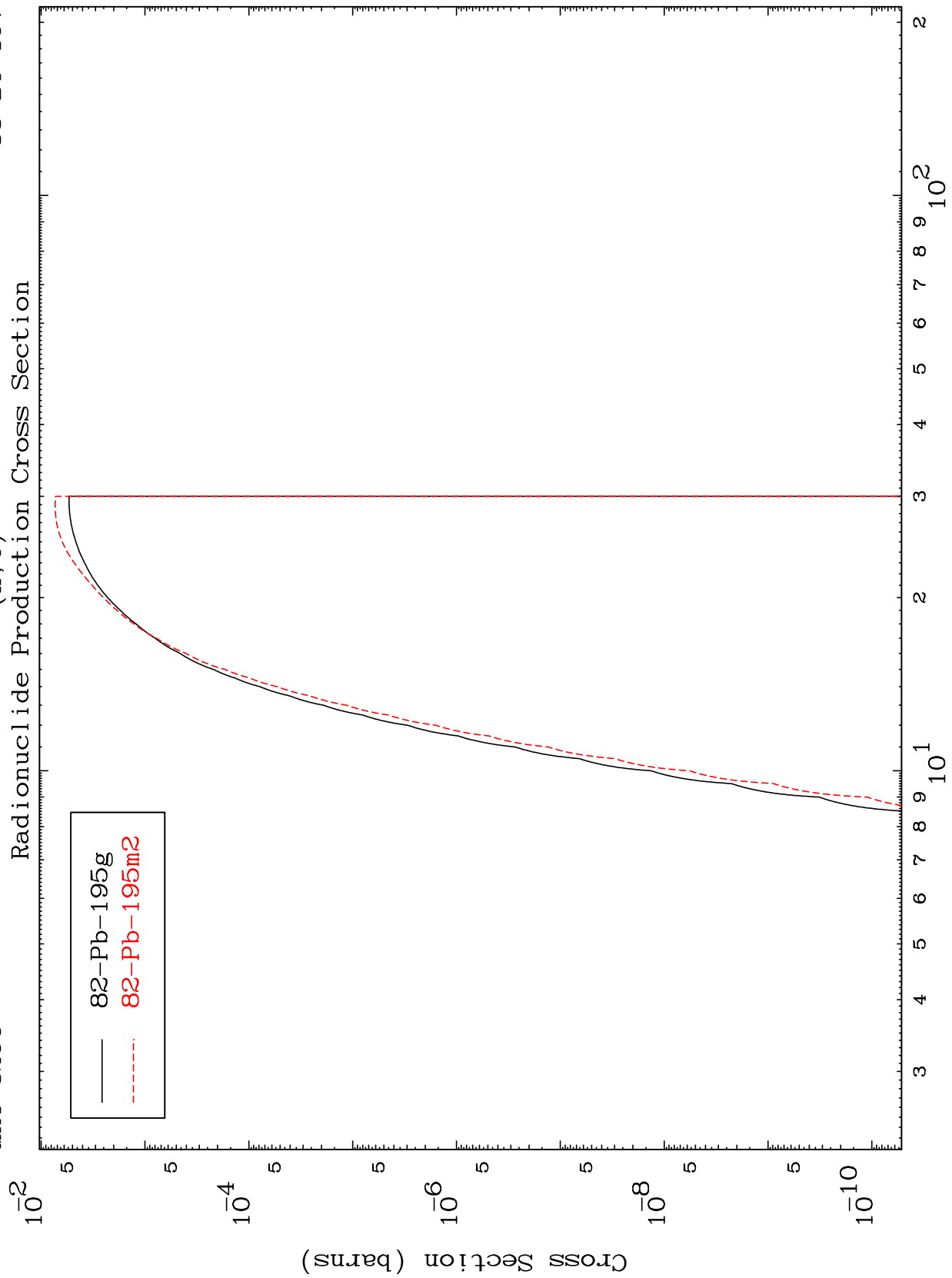




MAT 8290

83-Bi-197

Radionuclide Production Cross Section  
(n, t)



Incident Energy (MeV)

83-Bi-197

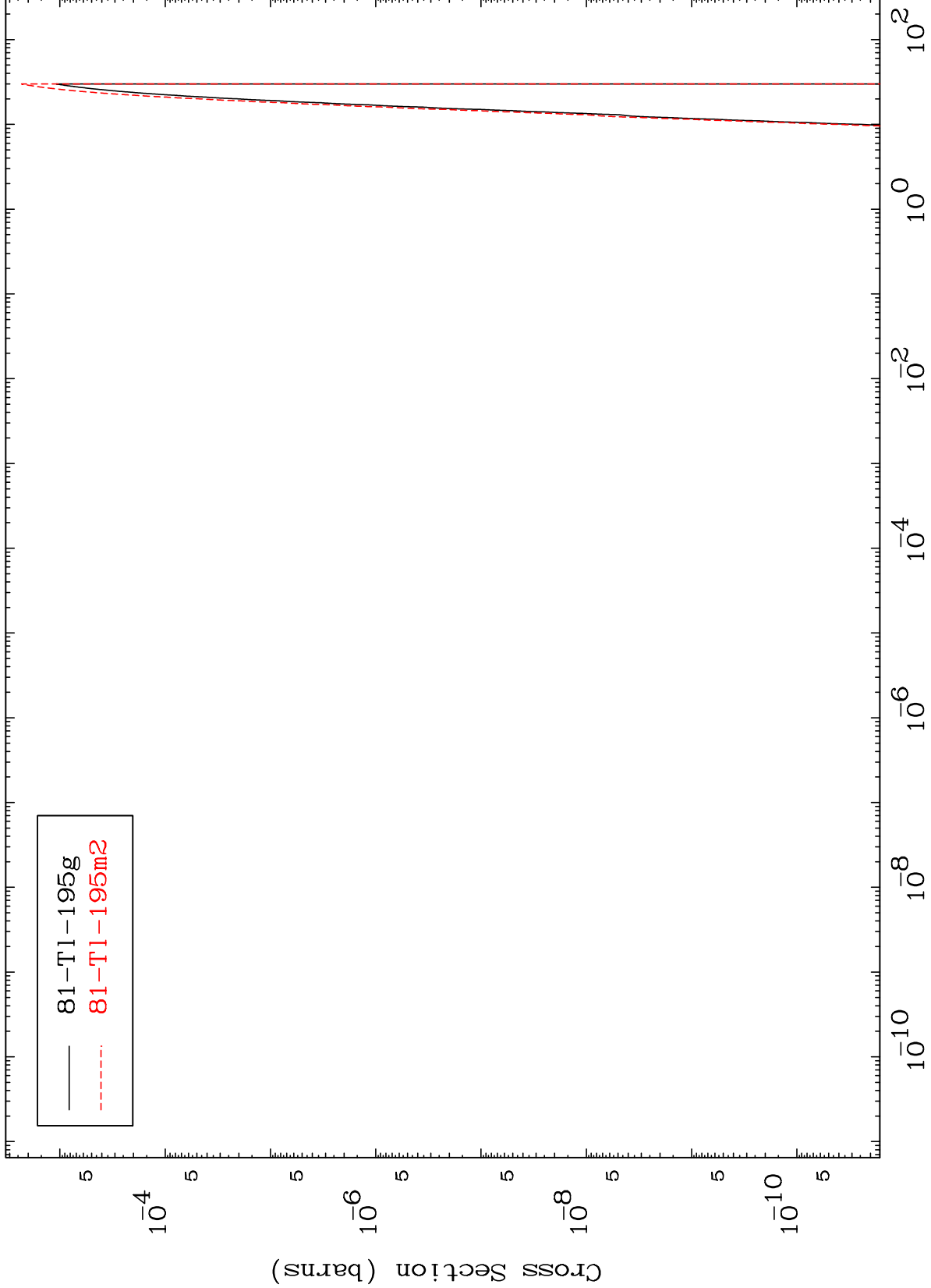
32

MAT 8290

(n,He-3)

83-Bi-197

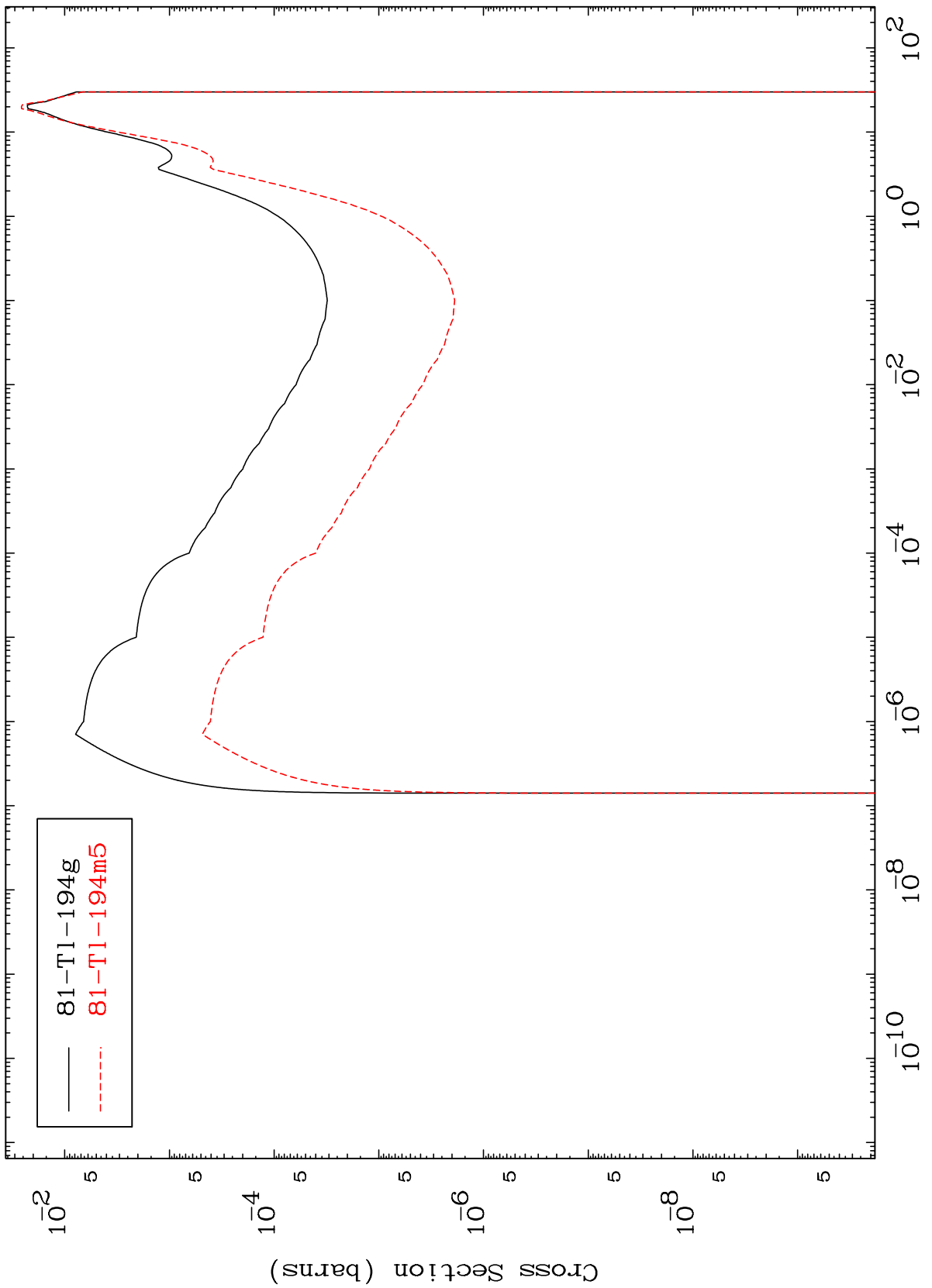
Radionuclide Production Cross Section



MAT 8290

83-Bi-197

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

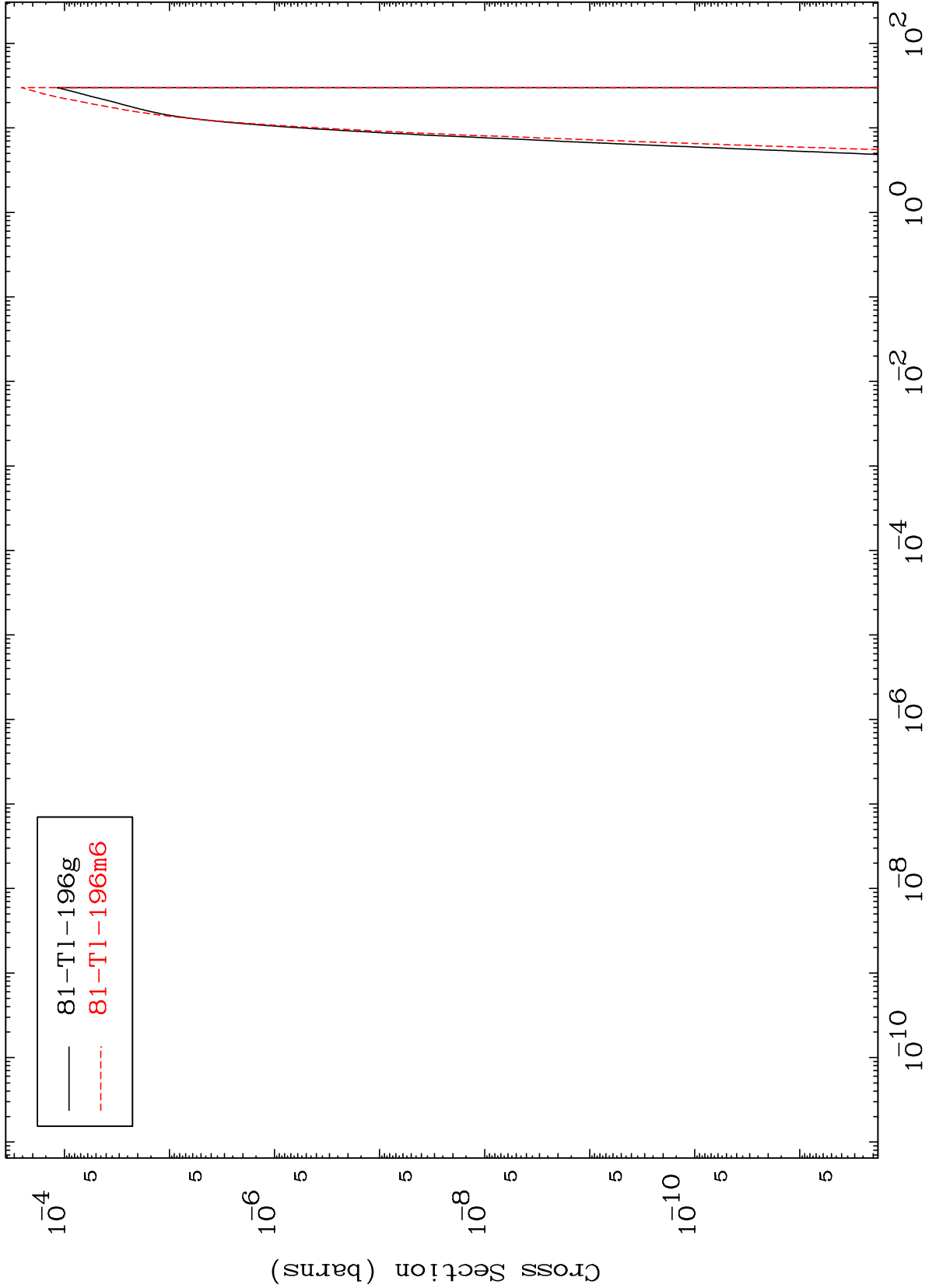


MAT 8290

(n,2p)

83-Bi-197

Radionuclide Production Cross Section



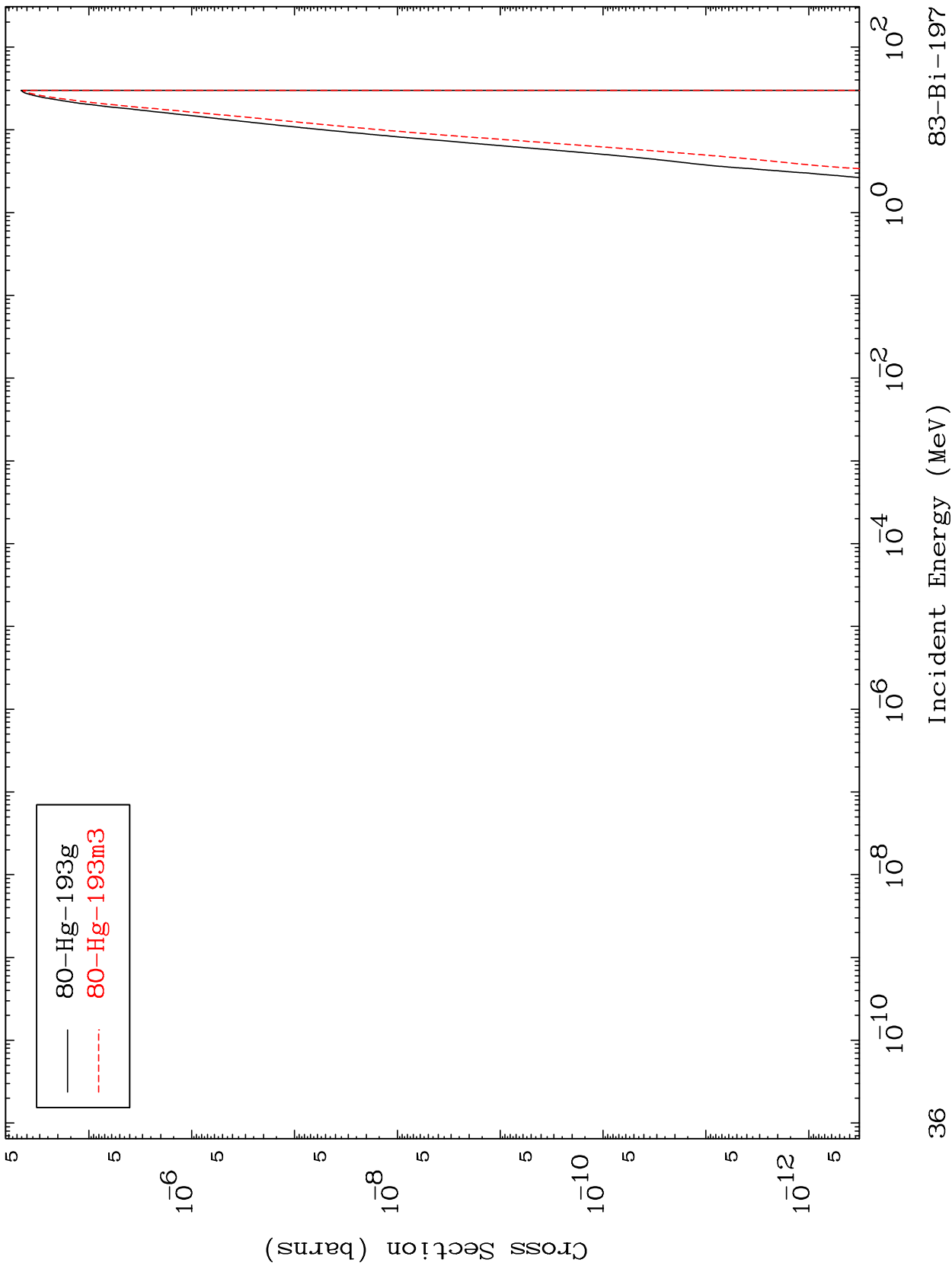
81-Tl-196g  
81-Tl-196m6

MAT 8290

(n,p)  $\alpha$

83-Bi-197

Radionuclide Production Cross Section



36

Incident Energy (MeV)

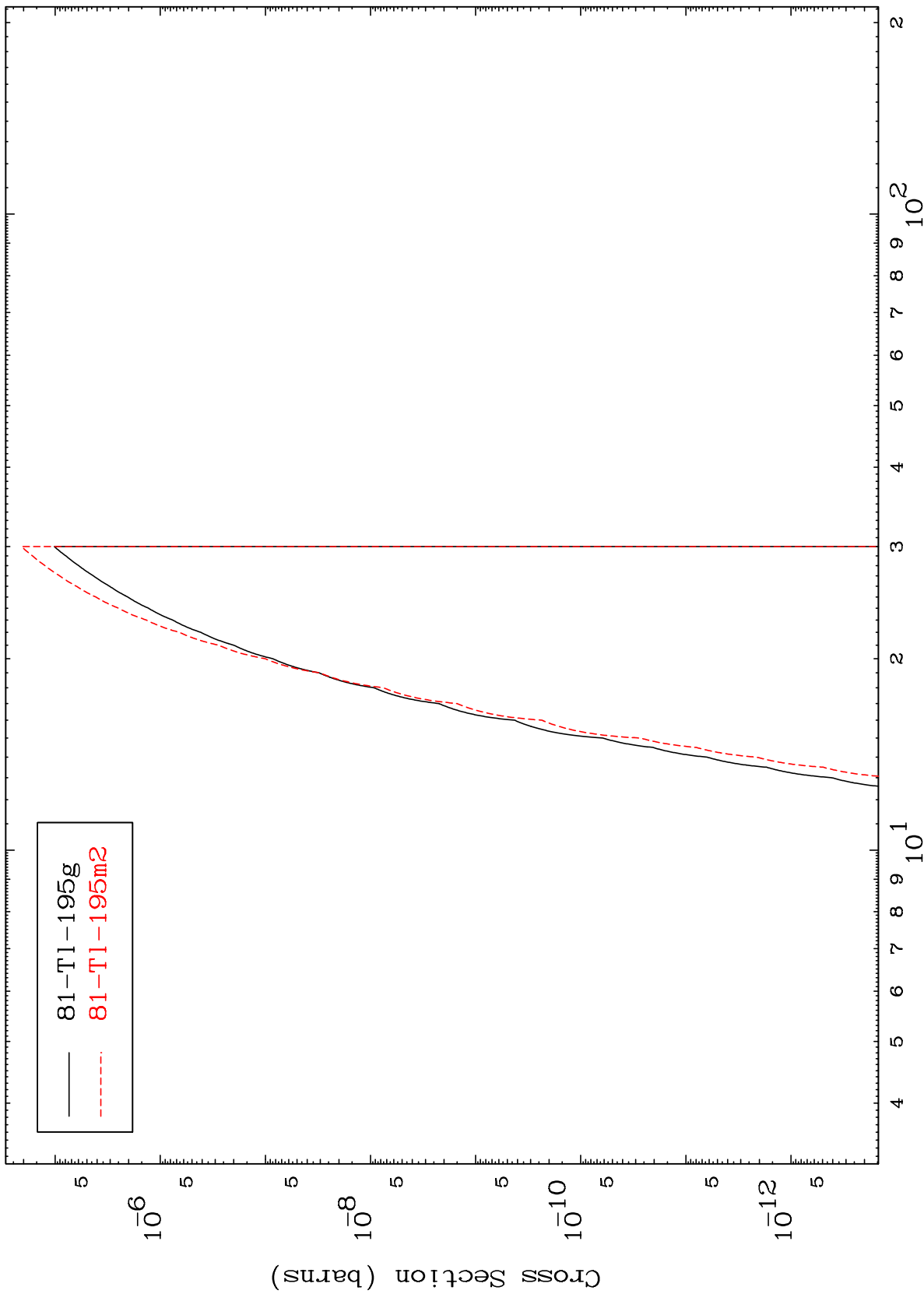
83-Bi-197

MAT 8290

(n,p) d

83-Bi-197

Radionuclide Production Cross Section



81-Tl-195g  
81-Tl-195m2

37

Incident Energy (MeV)

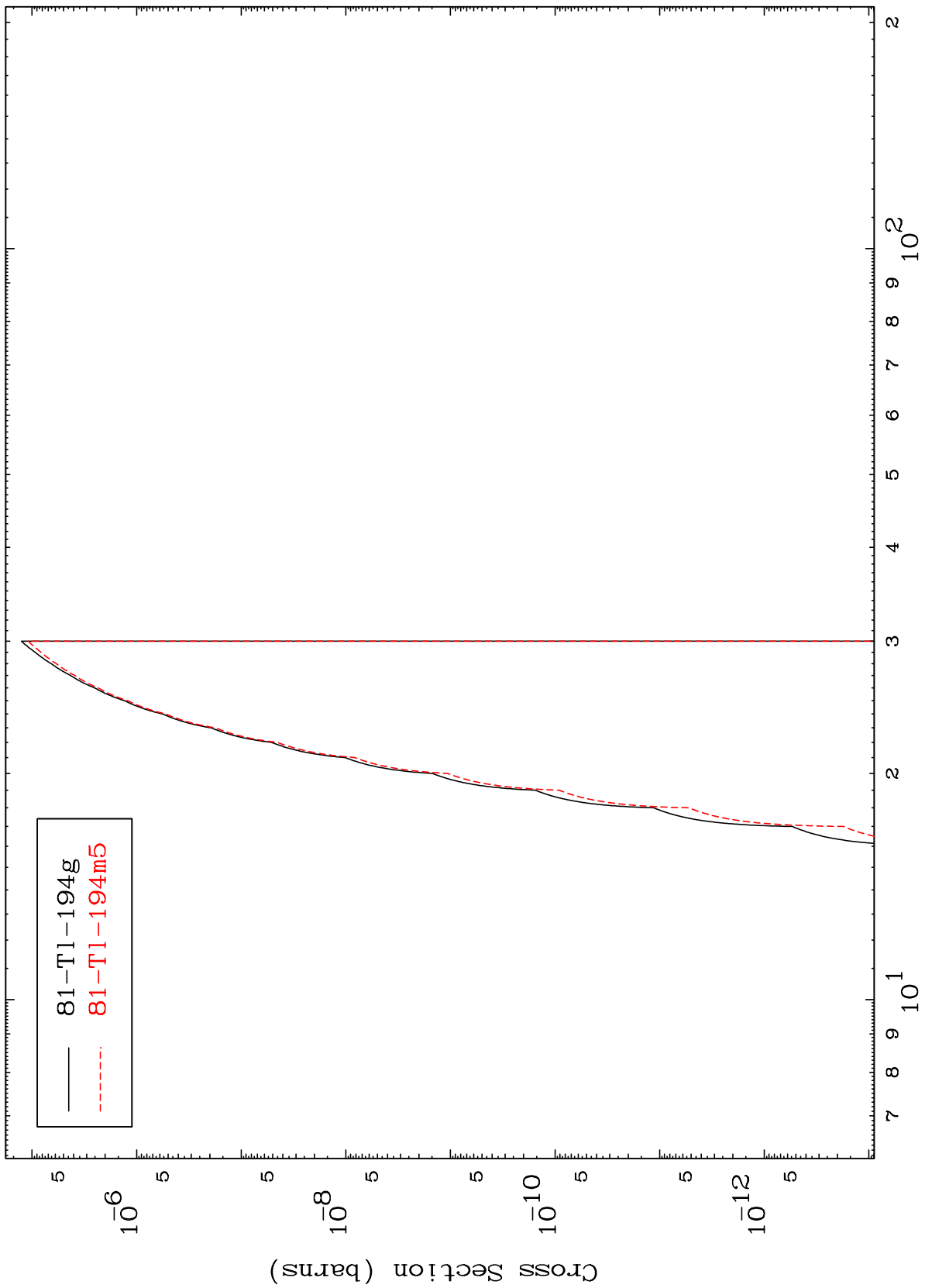
83-Bi-197

MAT 8290

(n,p) t

83-Bi-197

Radionuclide Production Cross Section



— 81-Tl-194g  
- - - 81-Tl-194m5