

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](mailto:redcullen1@comcast.net)

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

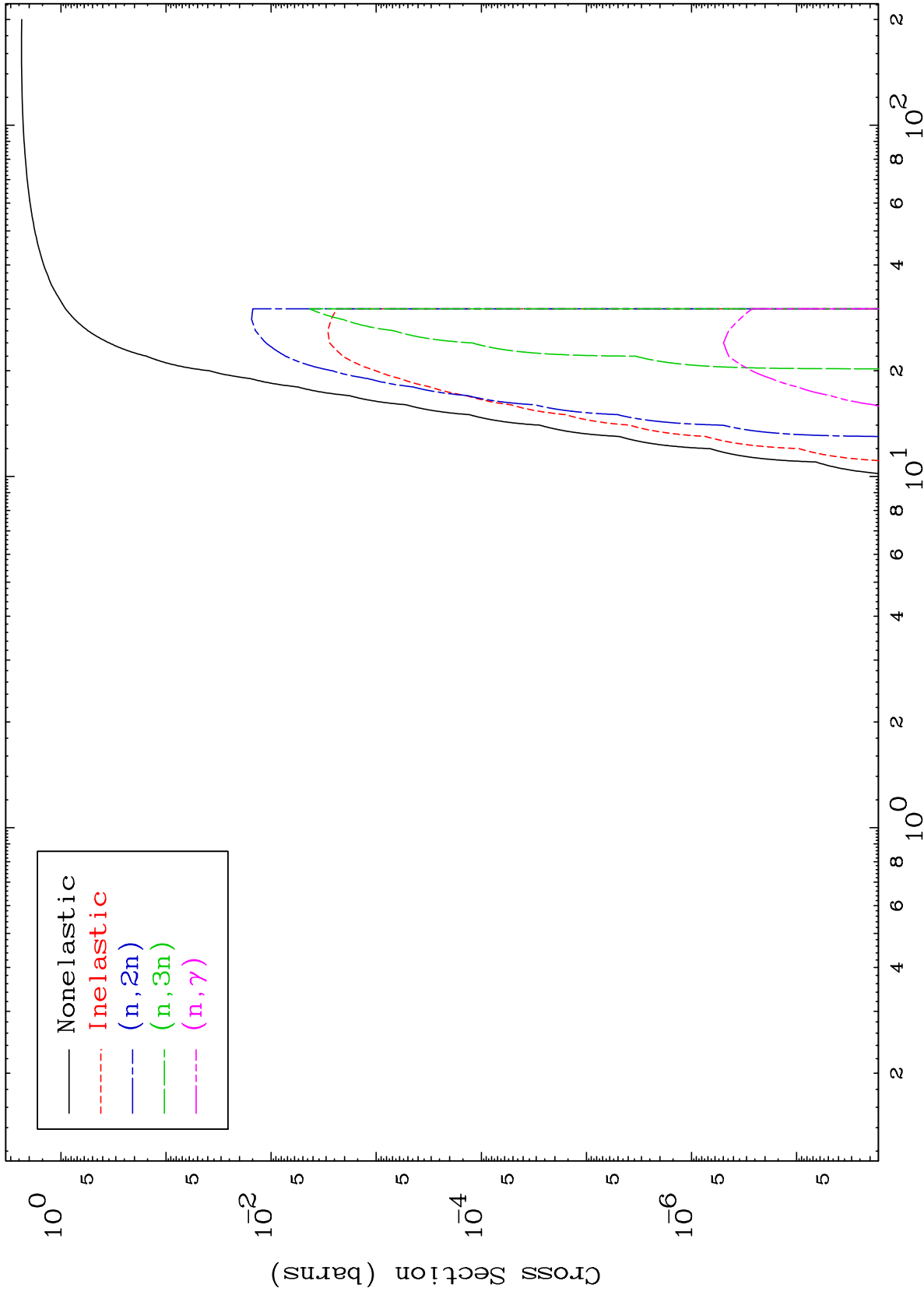
Press Mouse Button to Start

MAT 8099

He-3 Major

0 Kelvin Cross Sections

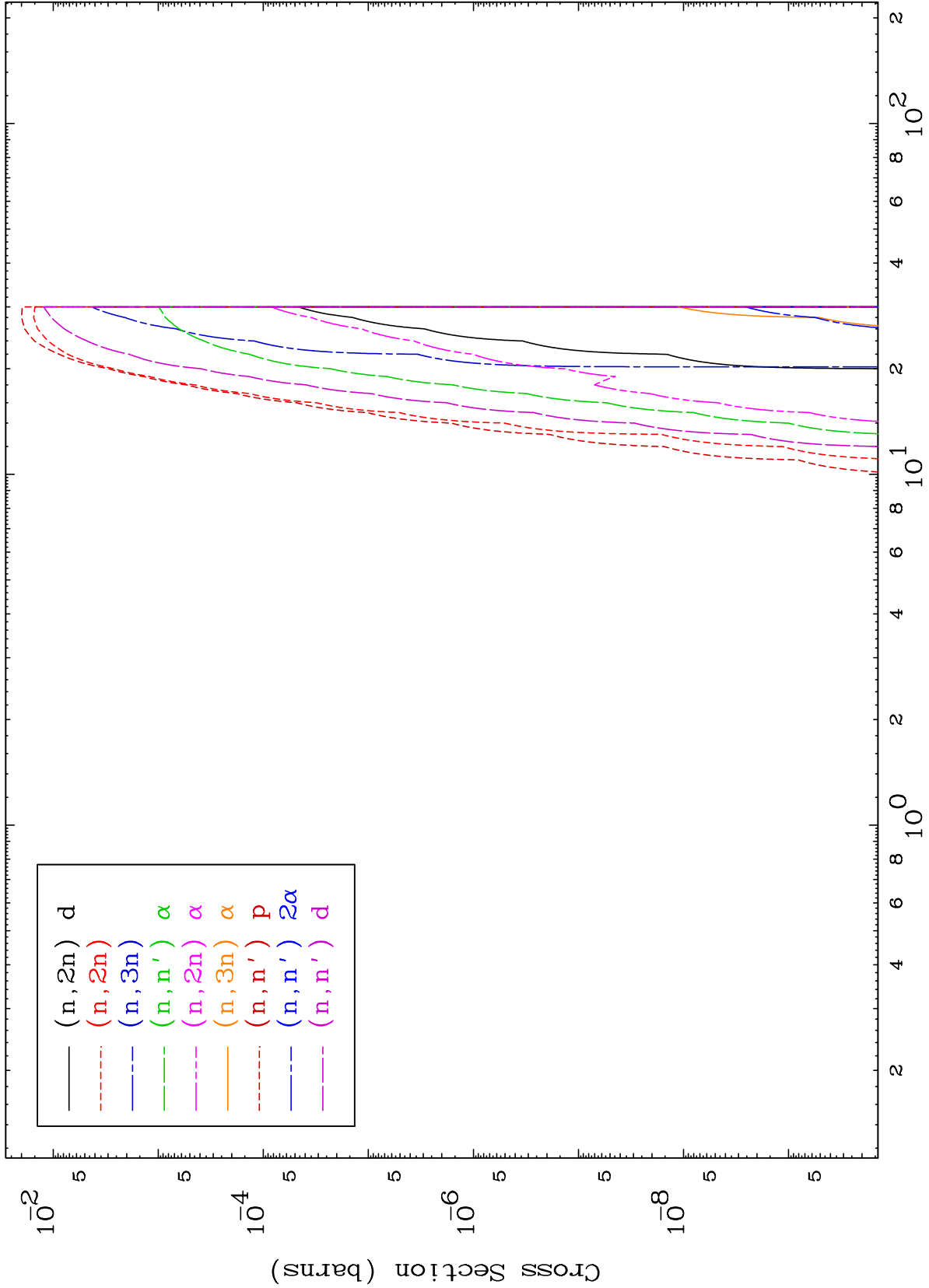
81-TI-194m



MAT 8099

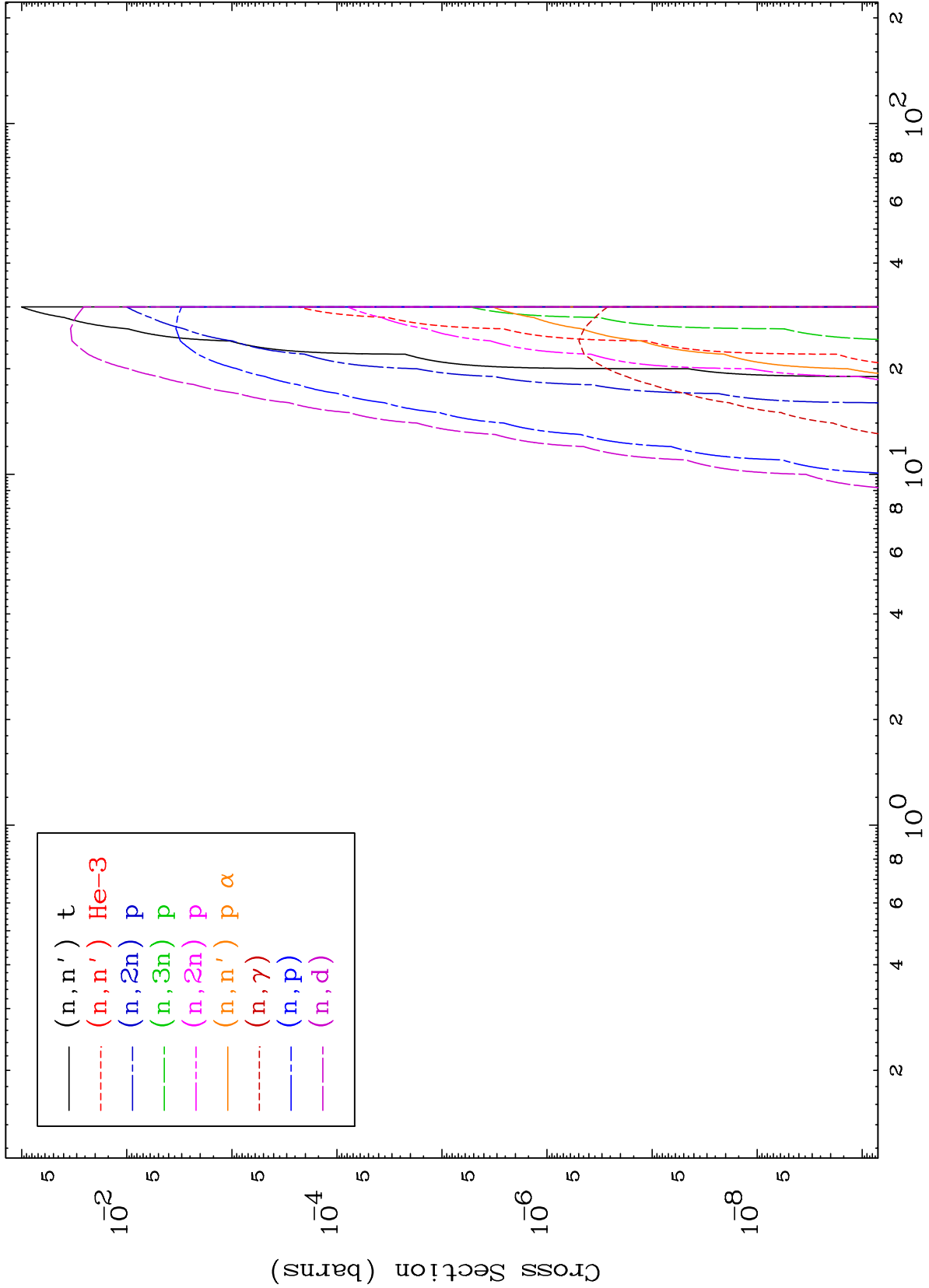
He-3 Neutron Absorption  
0 Kelvin Cross Sections

81-Tl-194m



81-Tl-194m

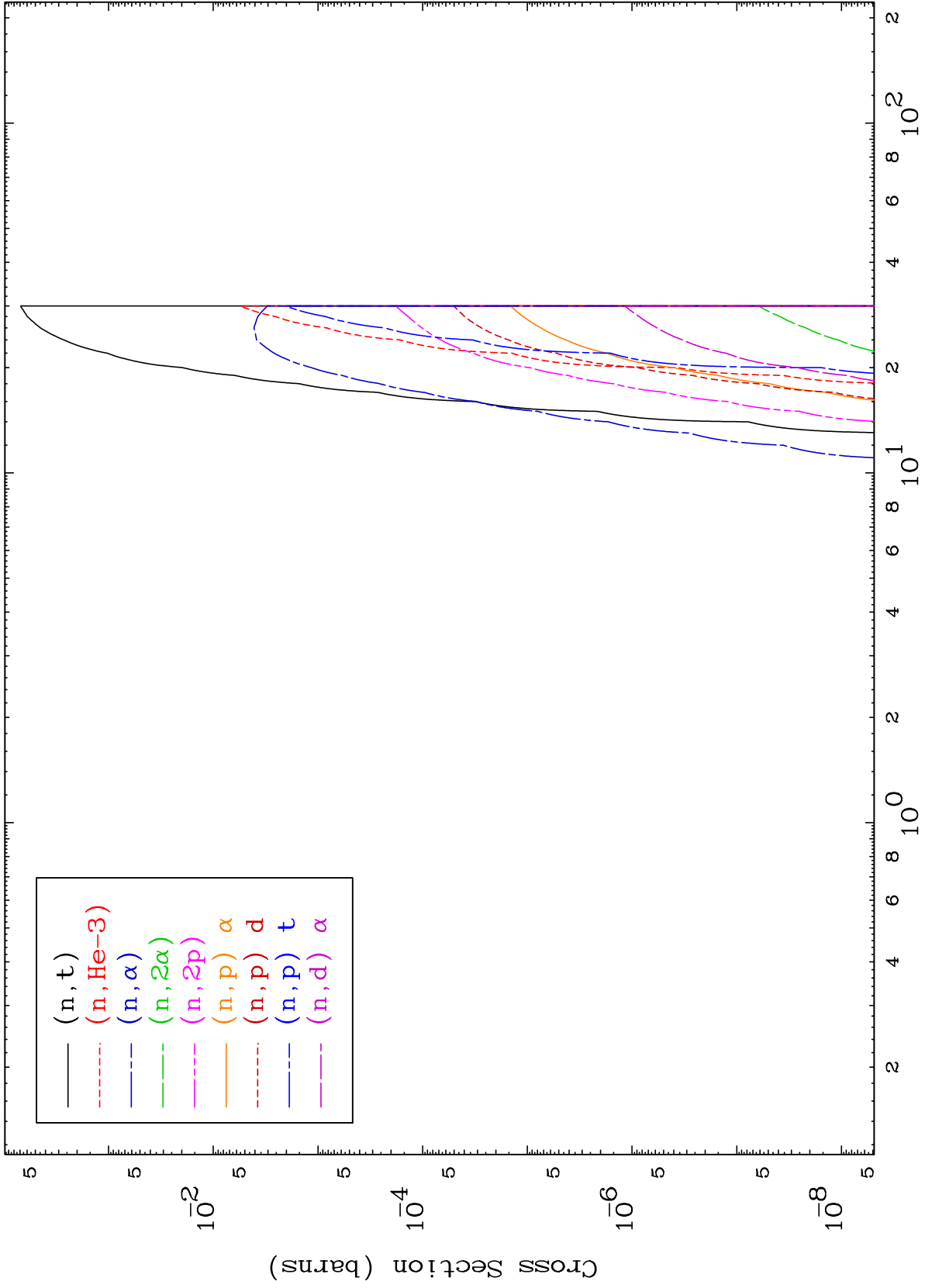
Incident Energy (MeV)

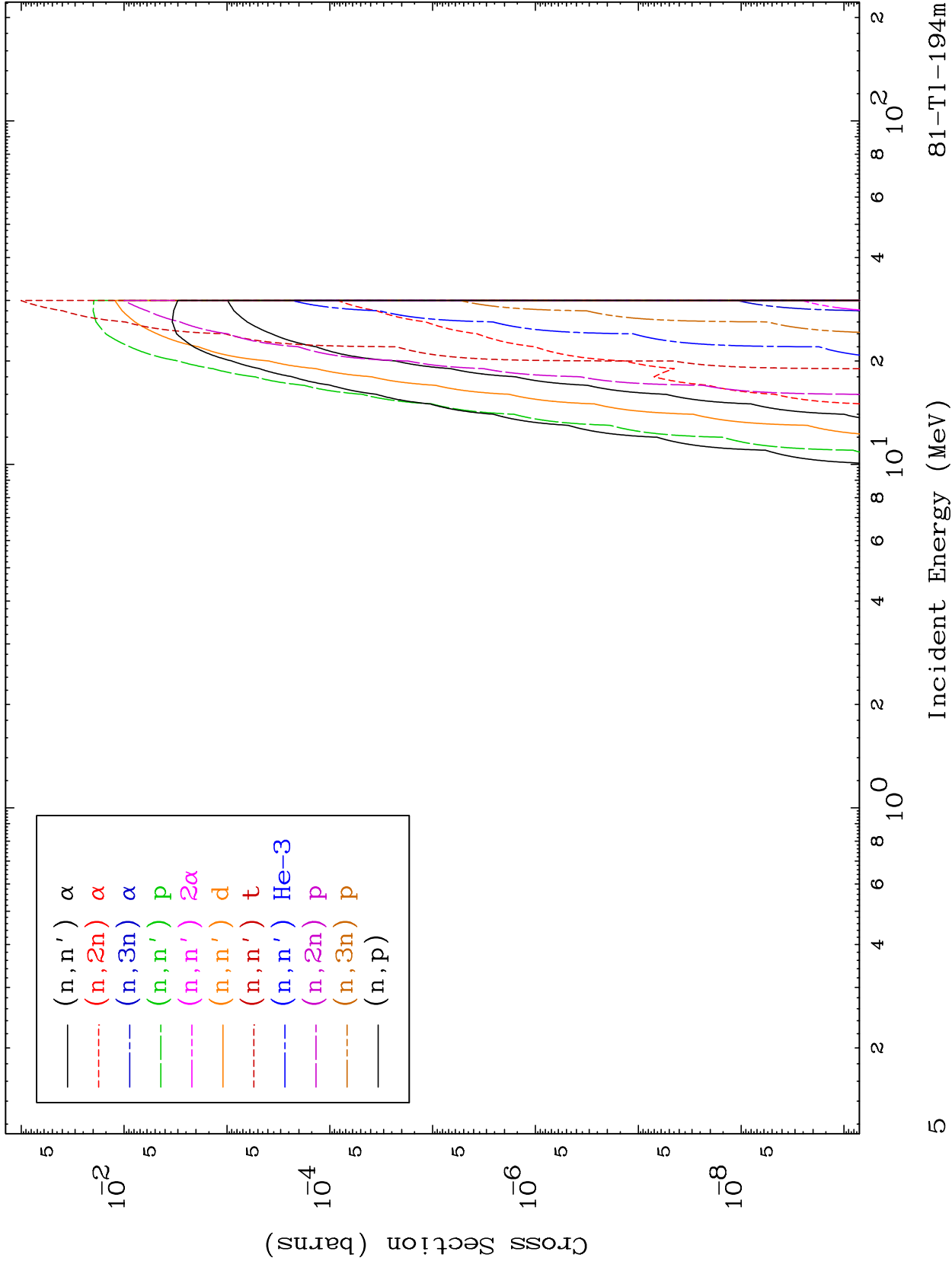


MAT 8099

He-3 Neutron Absorption  
0 Kelvin Cross Sections

81-TI-194m

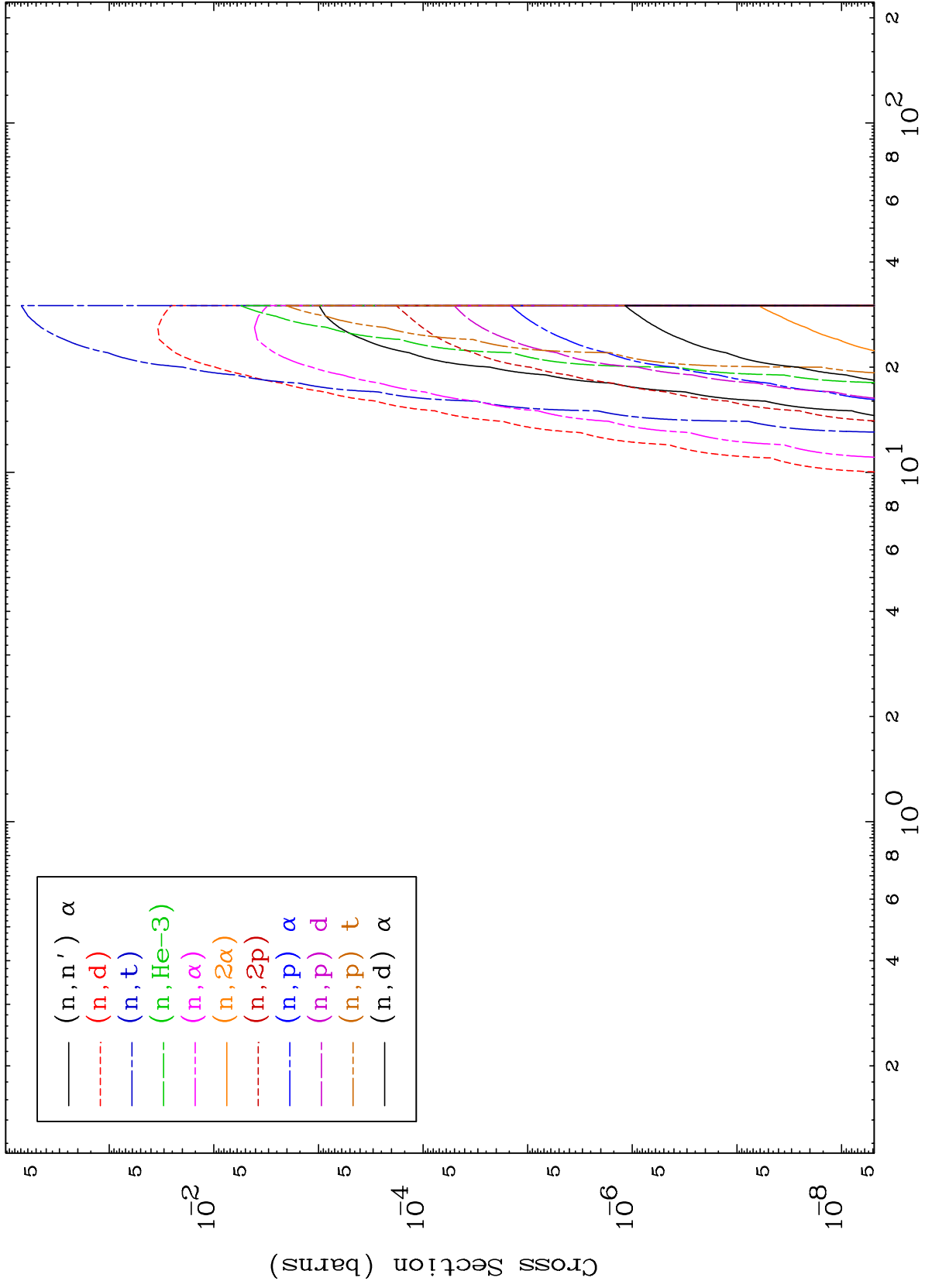




MAT 8099

He-3 Charged Particle  
0 Kelvin Cross Sections

81-TI-194m

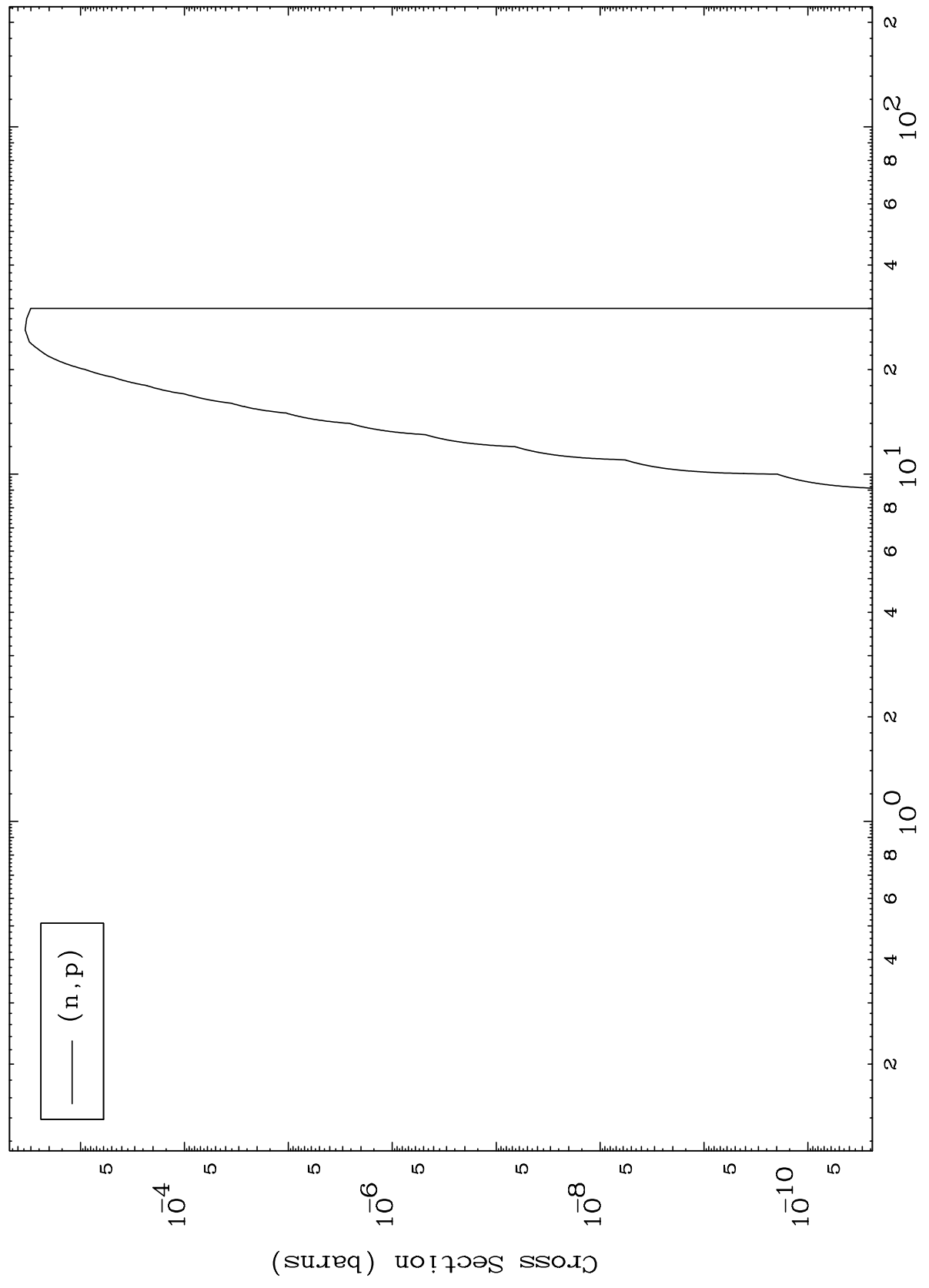


MAT 8099

(He-3,p) Levels

81-Tl-194m

0 Kelvin Cross Sections

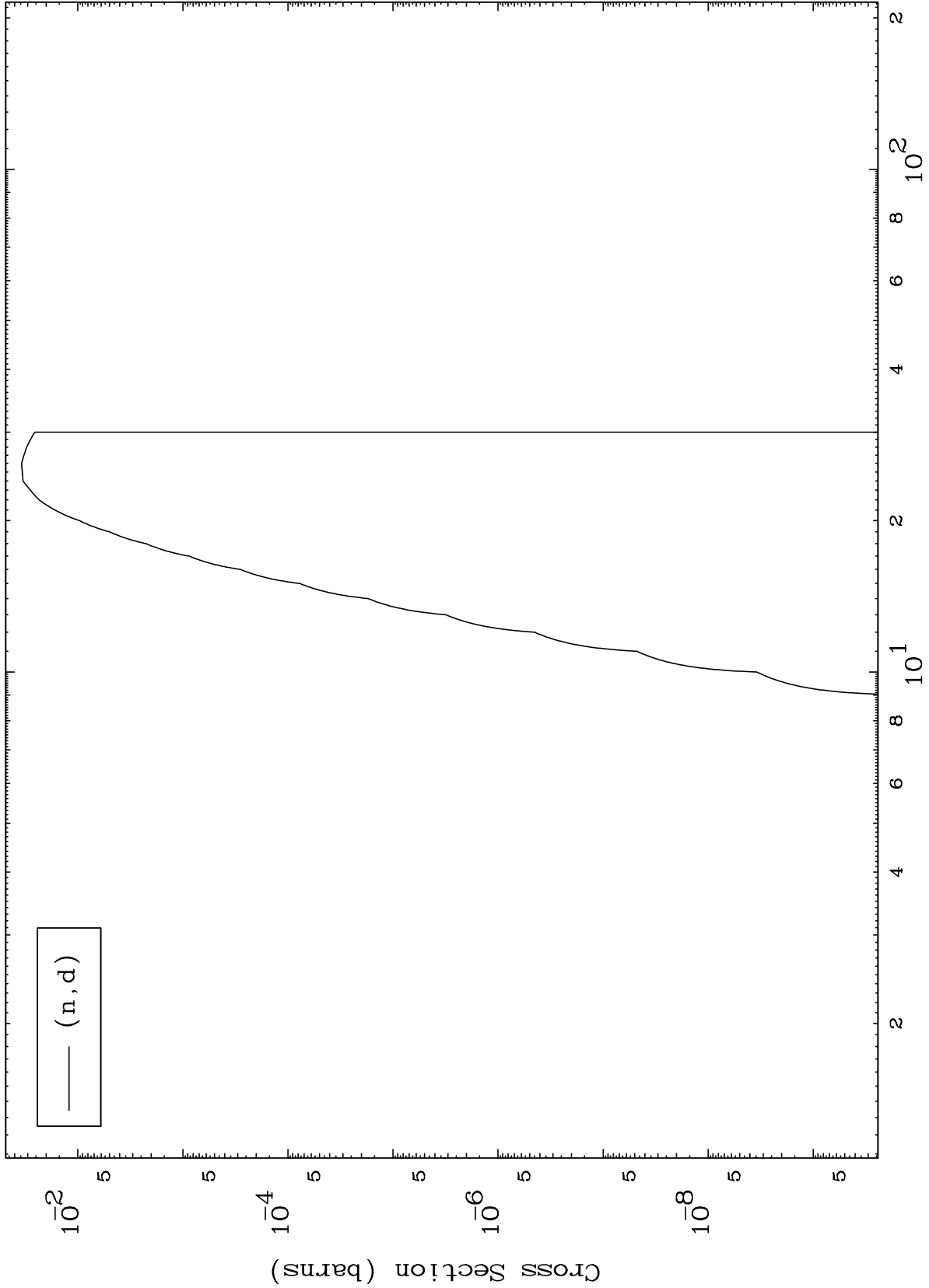




MAT 8099

(He-3,d) Levels  
0 Kelvin Cross Sections

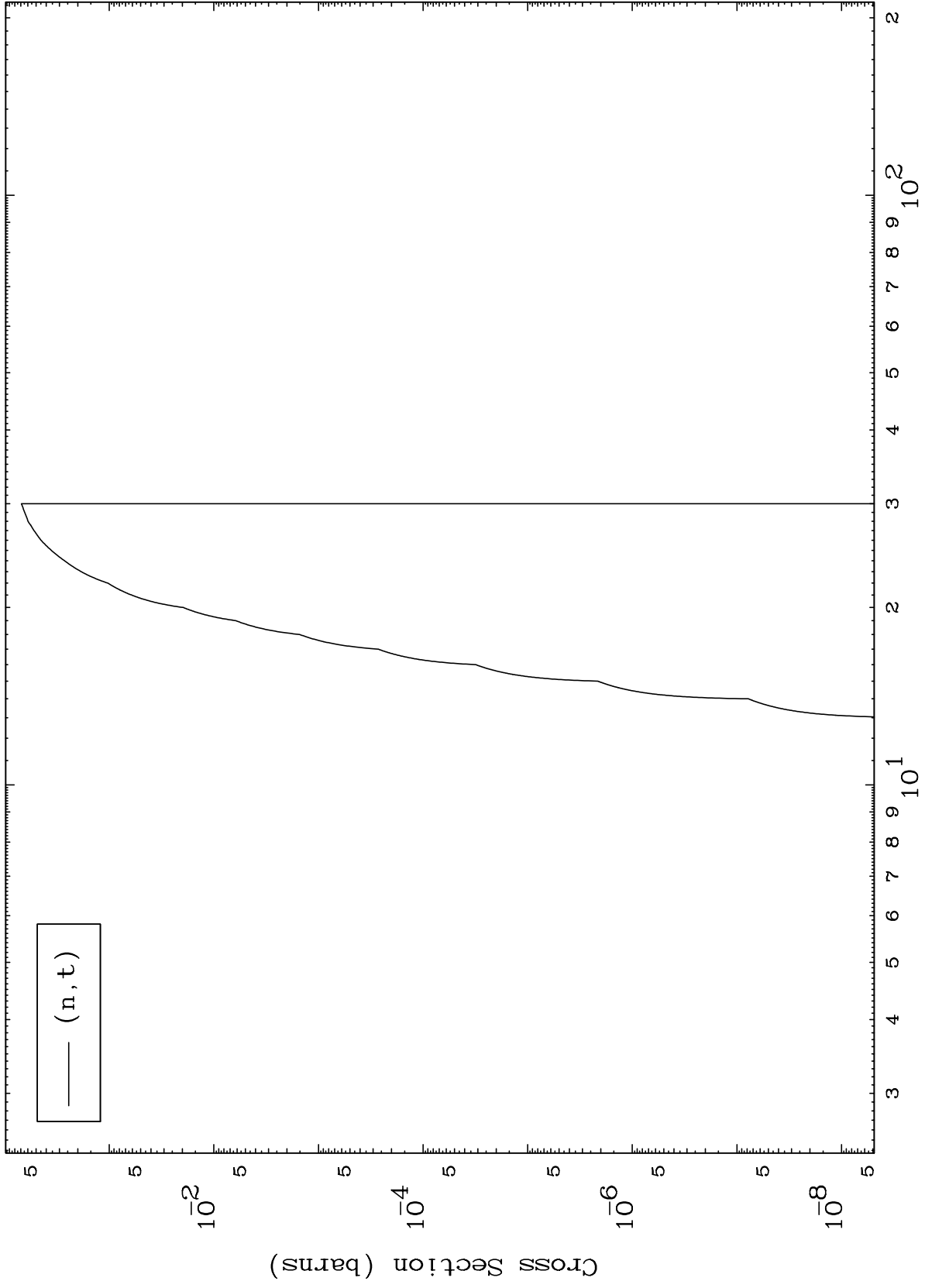
81-Tl-194m



MAT 8099

(He-3,t) Levels  
0 Kelvin Cross Sections

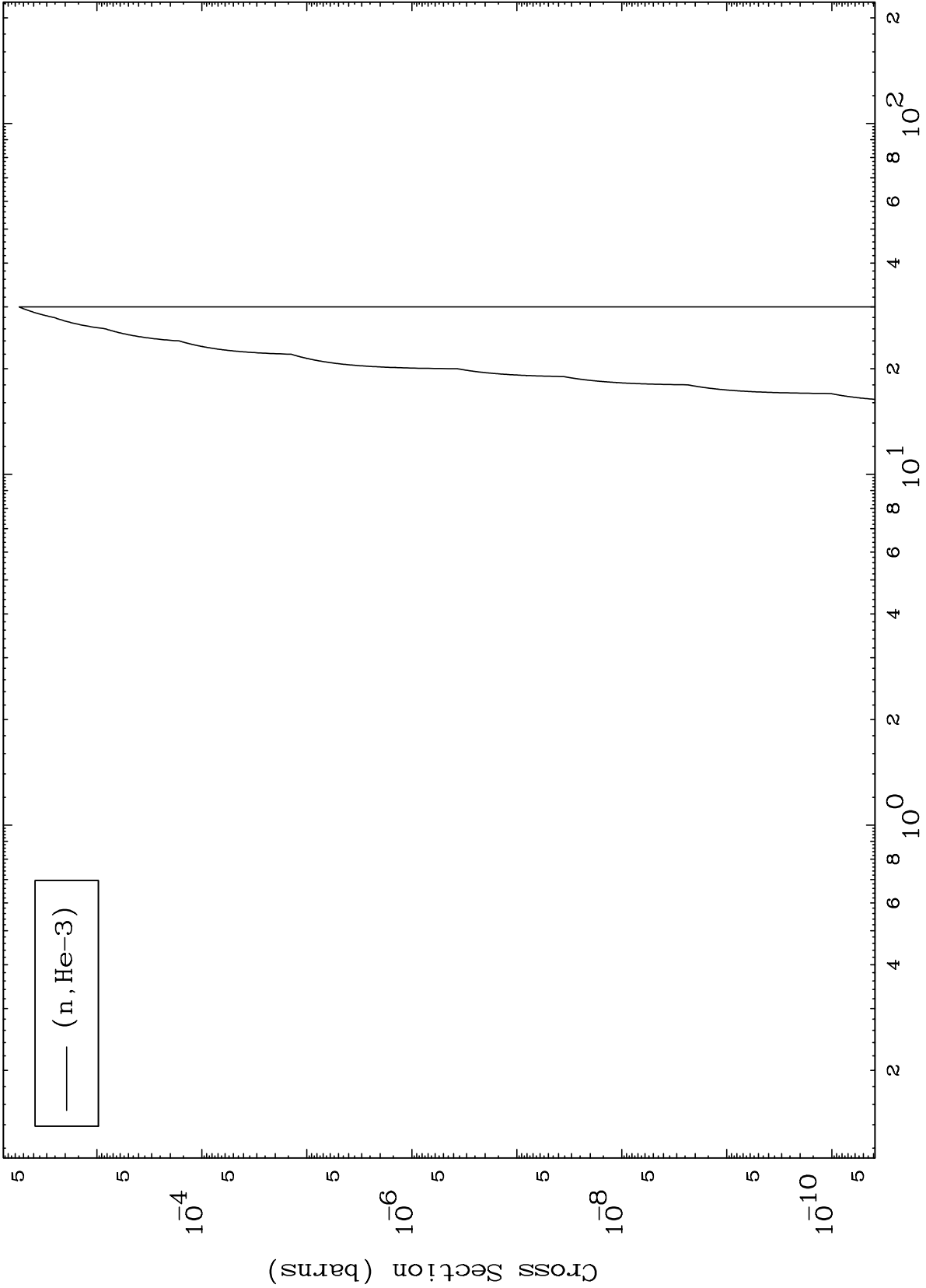
81-Tl-194m



MAT 8099

(He-3, He3) Levels  
0 Kelvin Cross Sections

81-Tl-194m



10

Incident Energy (MeV)

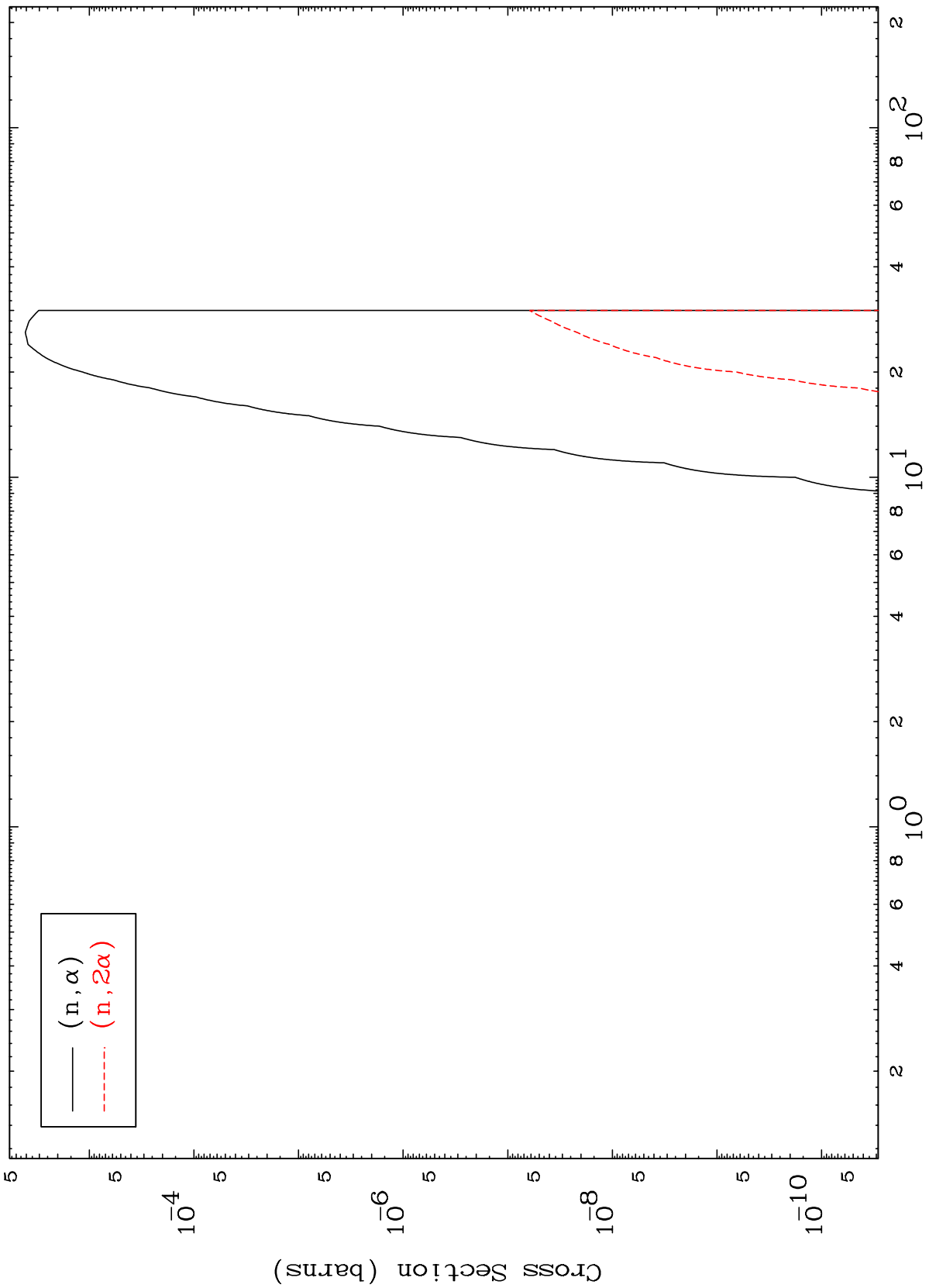
81-Tl-194m

MAT 8099

(He-3,  $\alpha$ ) Levels

81-Tl-194m

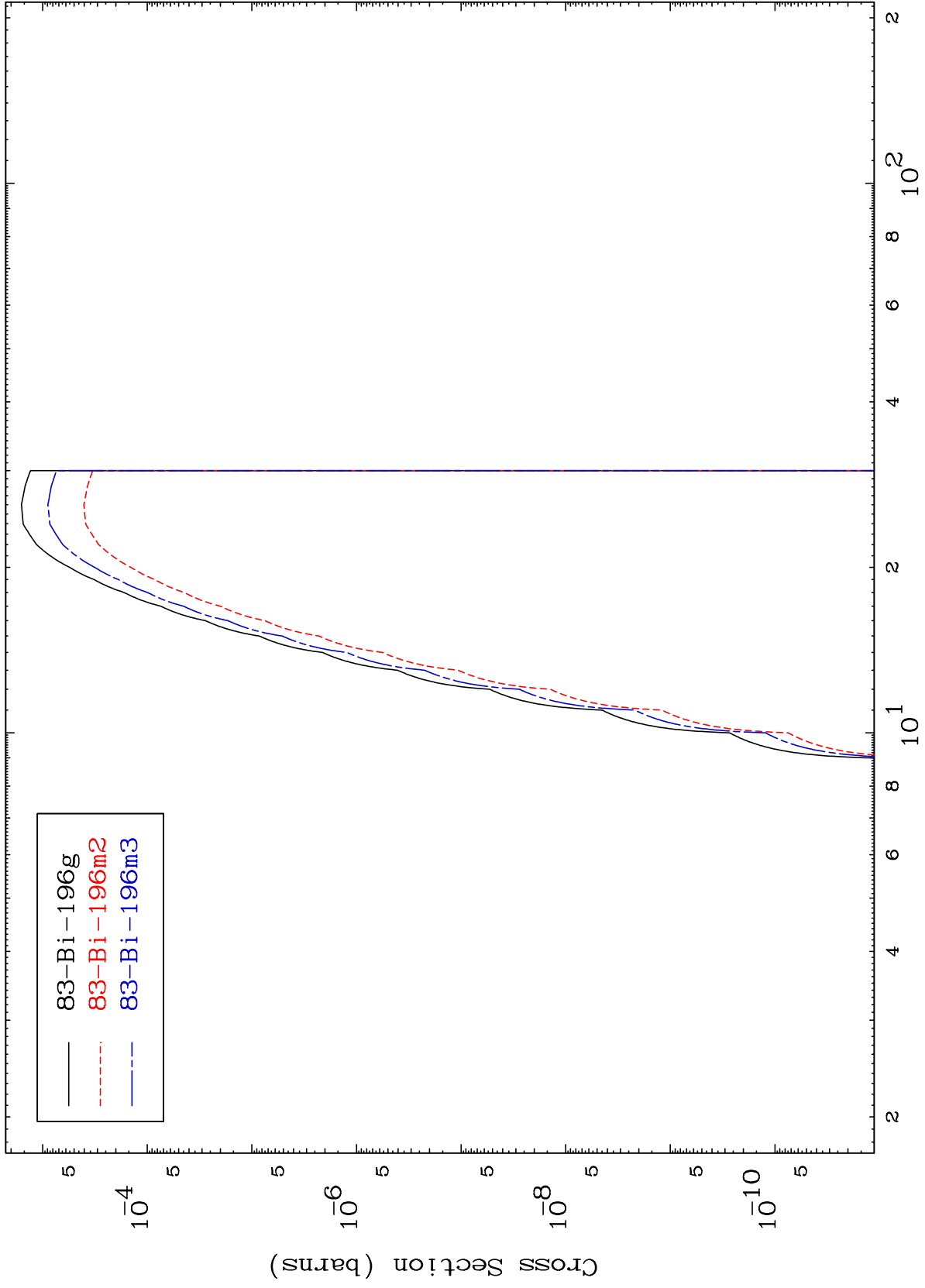
0 Kelvin Cross Sections



MAT 8099

Inelastic  
Radionuclide Production Cross Section

81-Tl-194m



12

Incident Energy (MeV)

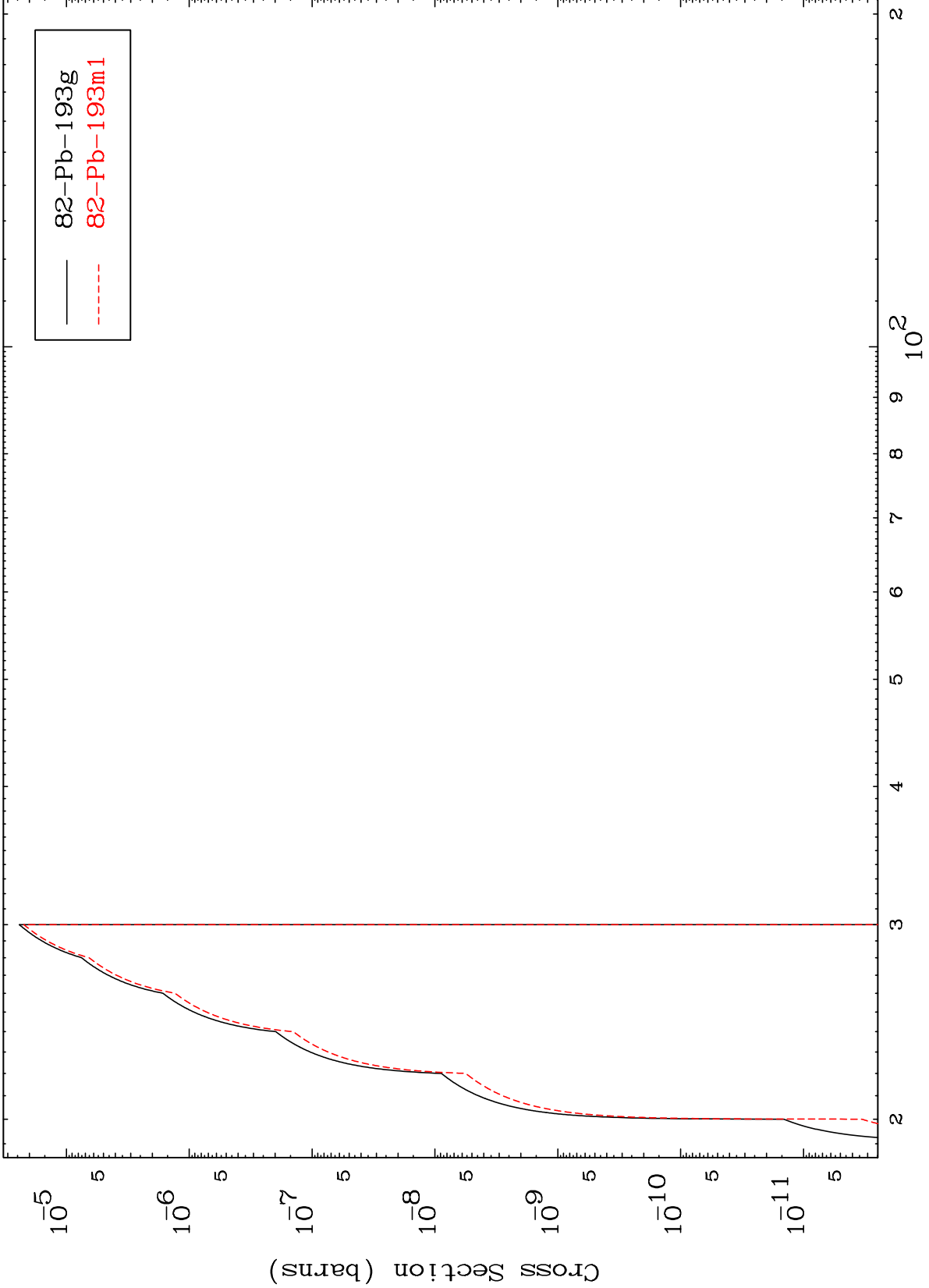
81-Tl-194m

MAT 8099

(n,2n) d

81-Tl-194m

Radionuclide Production Cross Section

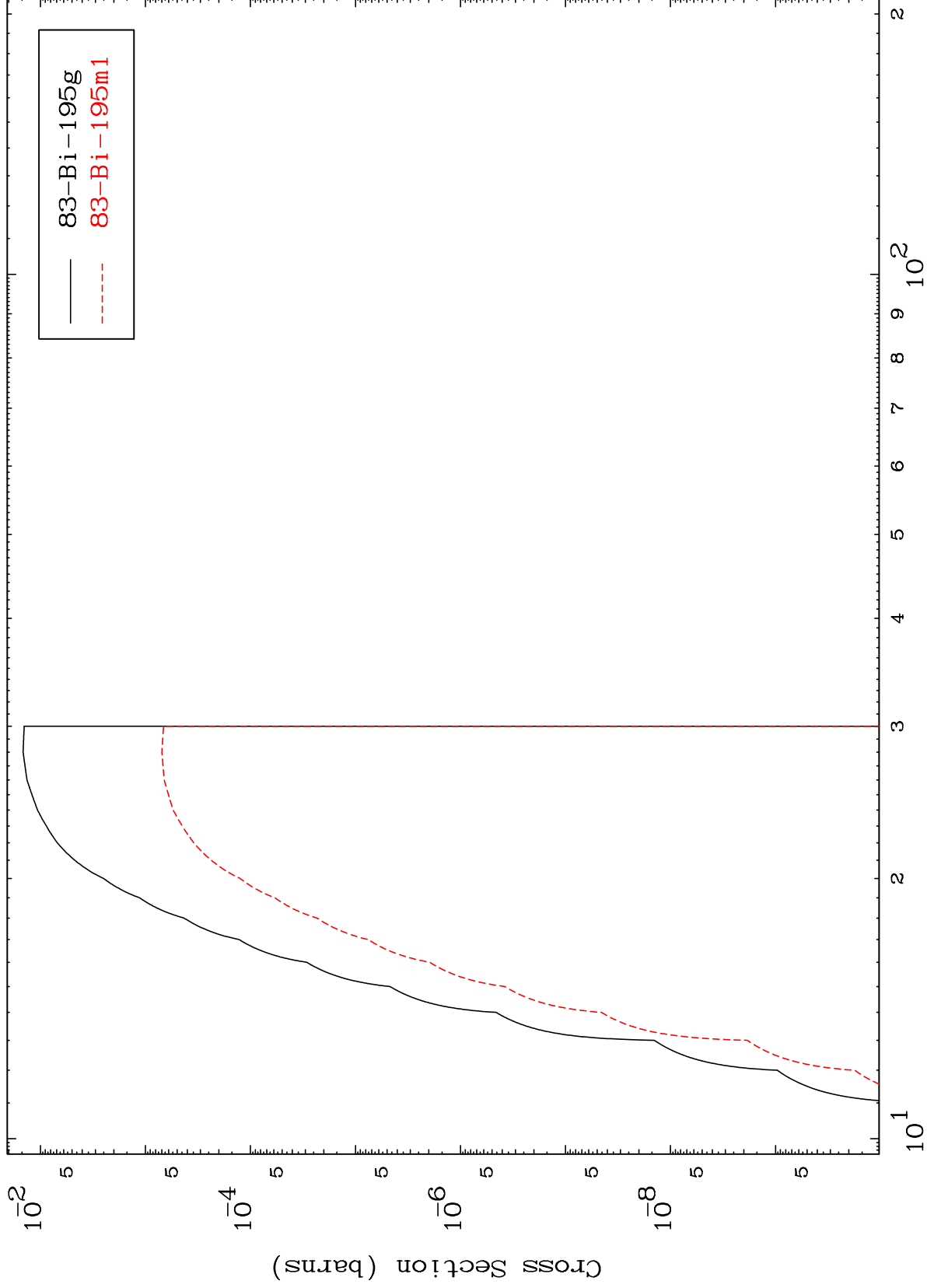


MAT 8099

(n,2n)

81-Tl-194m

Radionuclide Production Cross Section



Incident Energy (MeV)

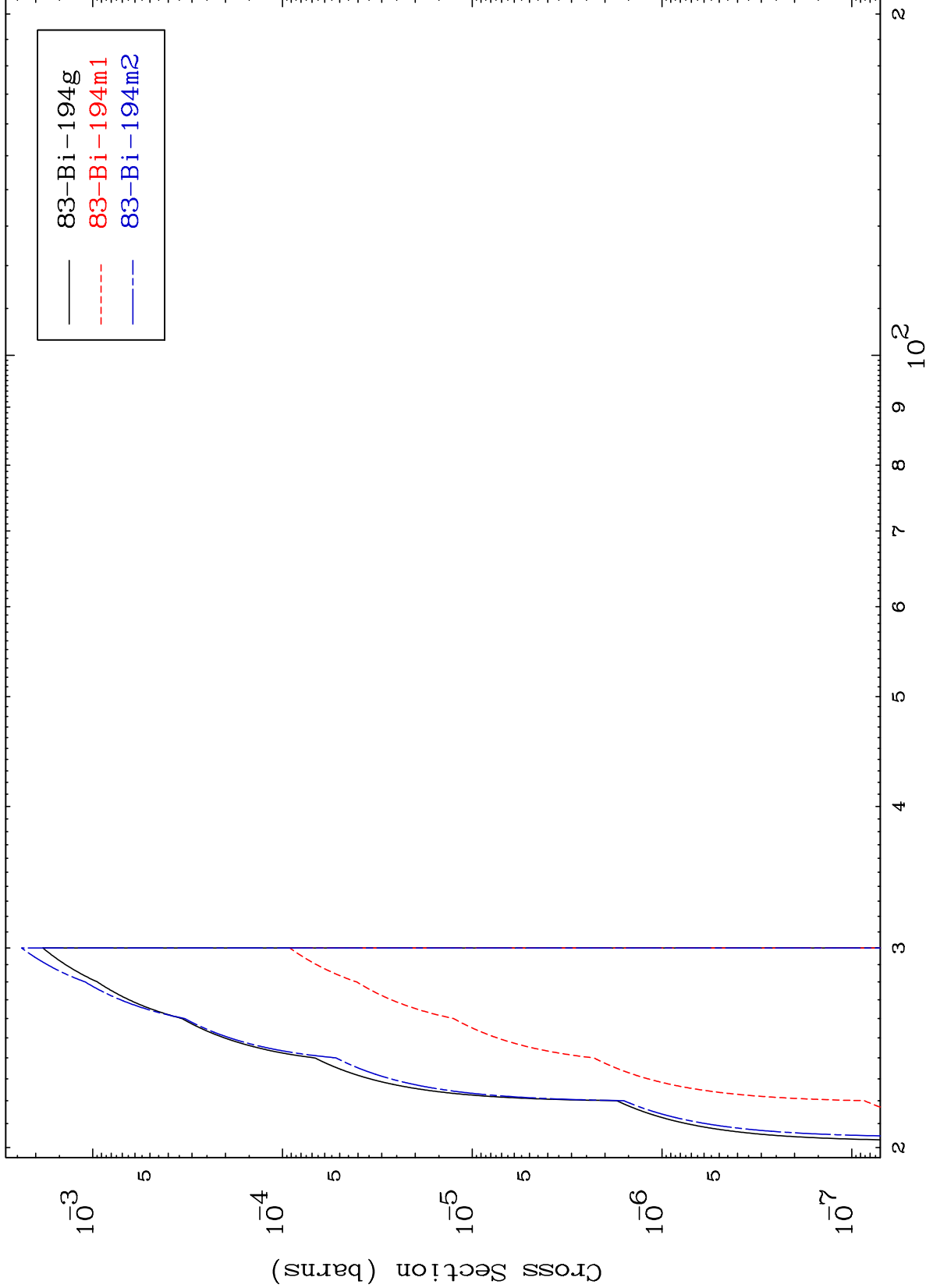
81-Tl-194m

MAT 8099

(n,3n)

81-Tl-194m

Radionuclide Production Cross Section



15

Incident Energy (MeV)

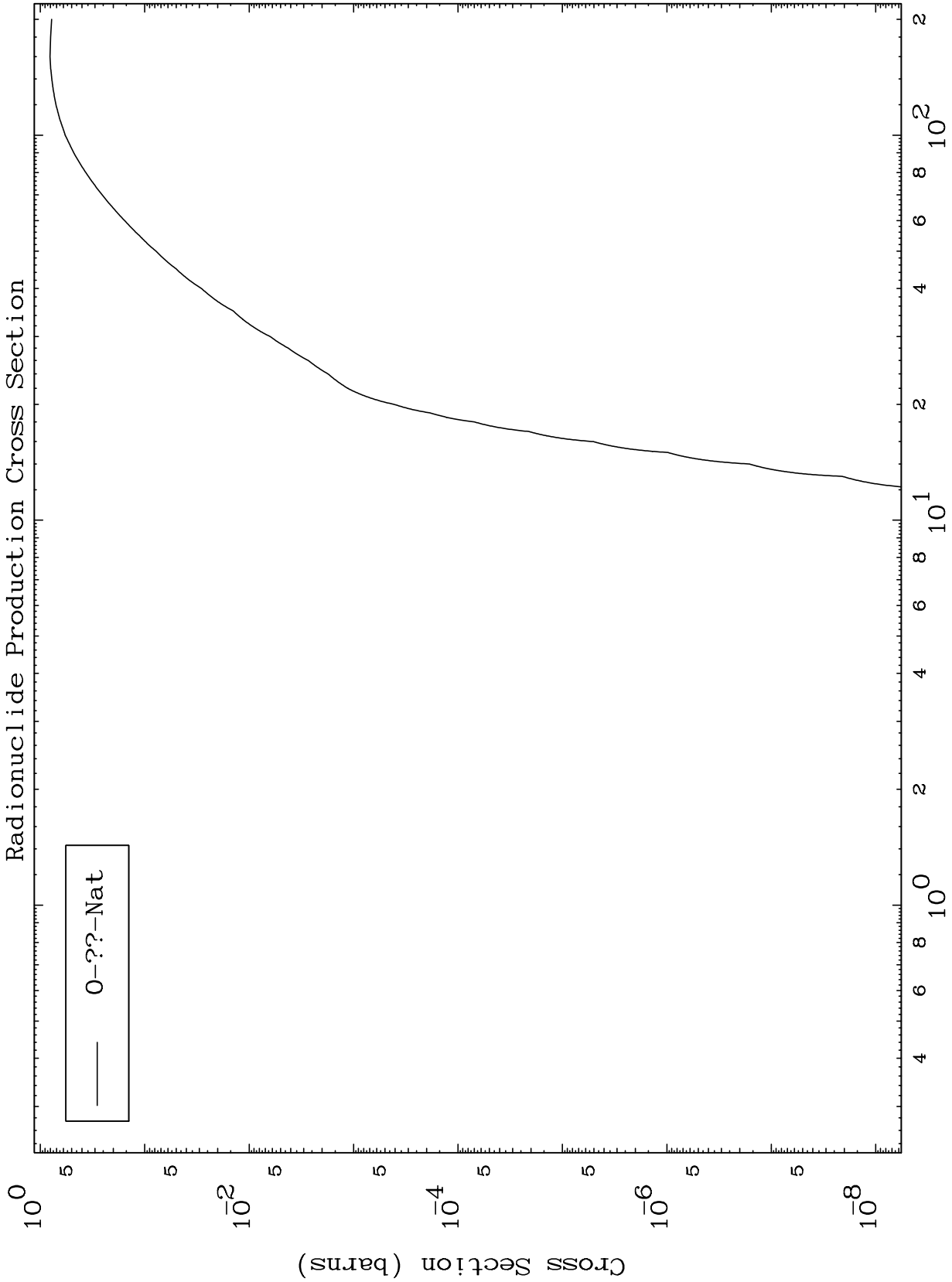
81-Tl-194m



MAT 8099

Fission

81-Tl-194m

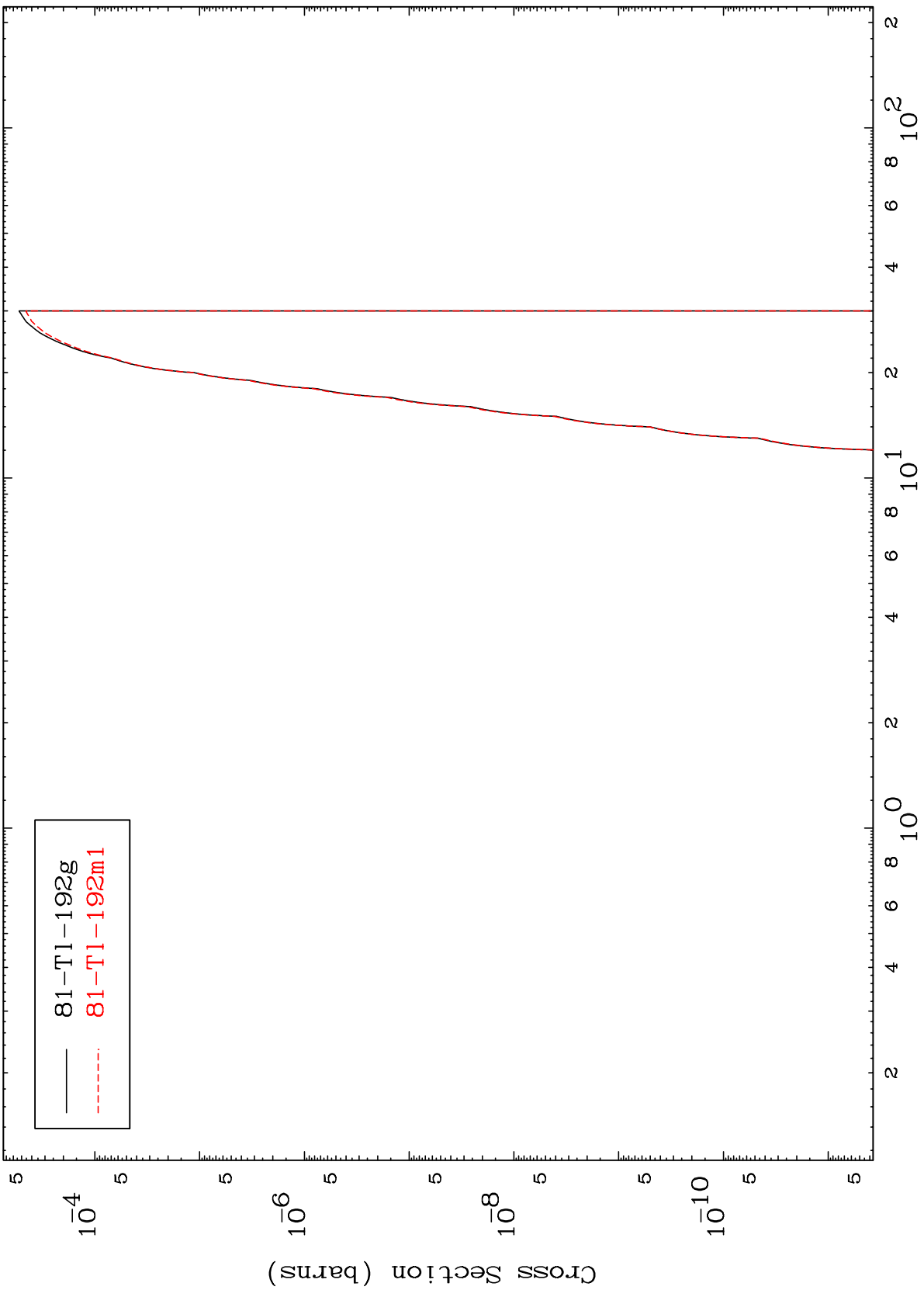


MAT 8099

(n,n')  $\alpha$

81-Tl-194m

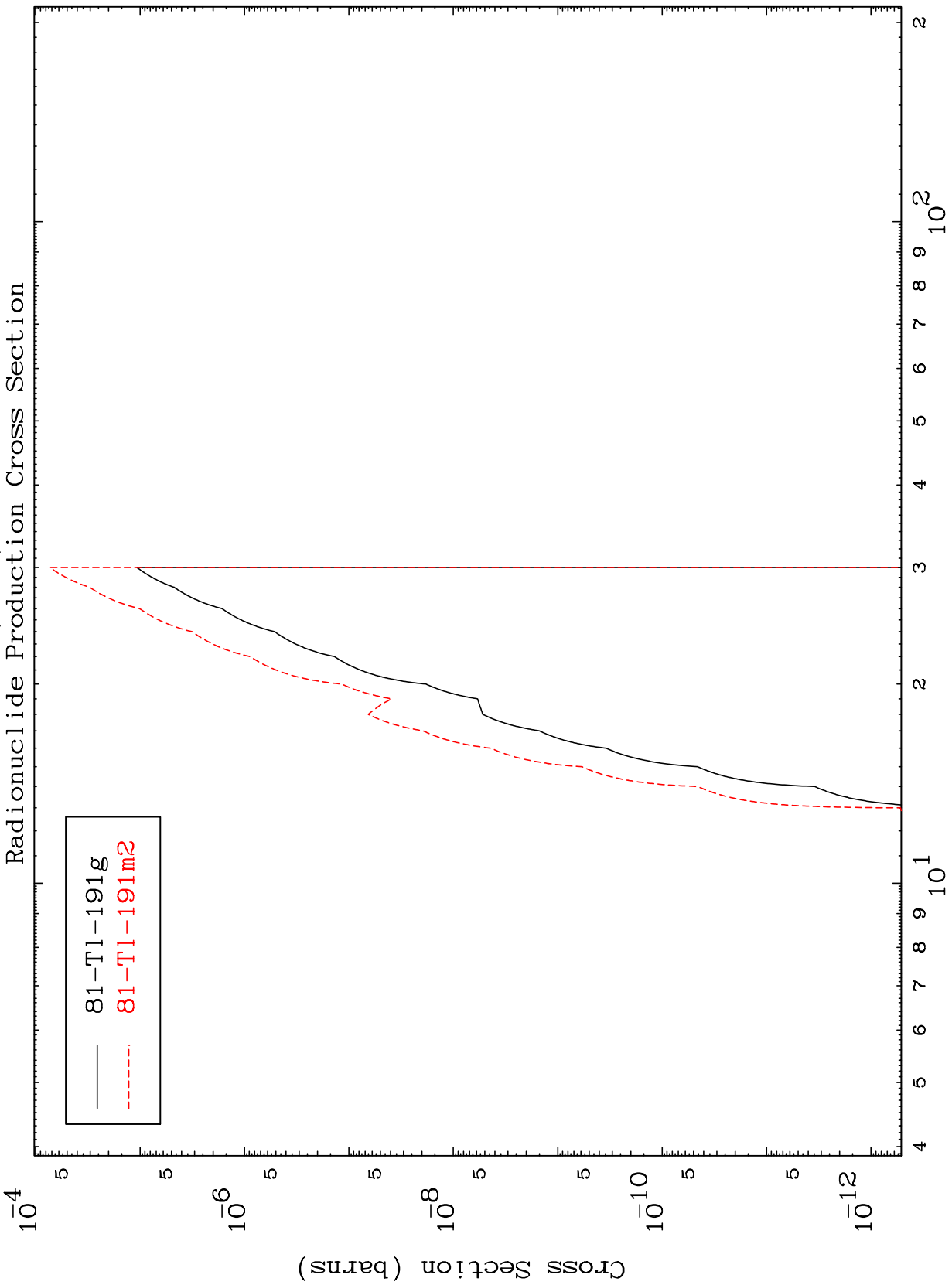
Radionuclide Production Cross Section



MAT 8099

(n,2n)  $\alpha$

81-Tl-194m



18

Incident Energy (MeV)

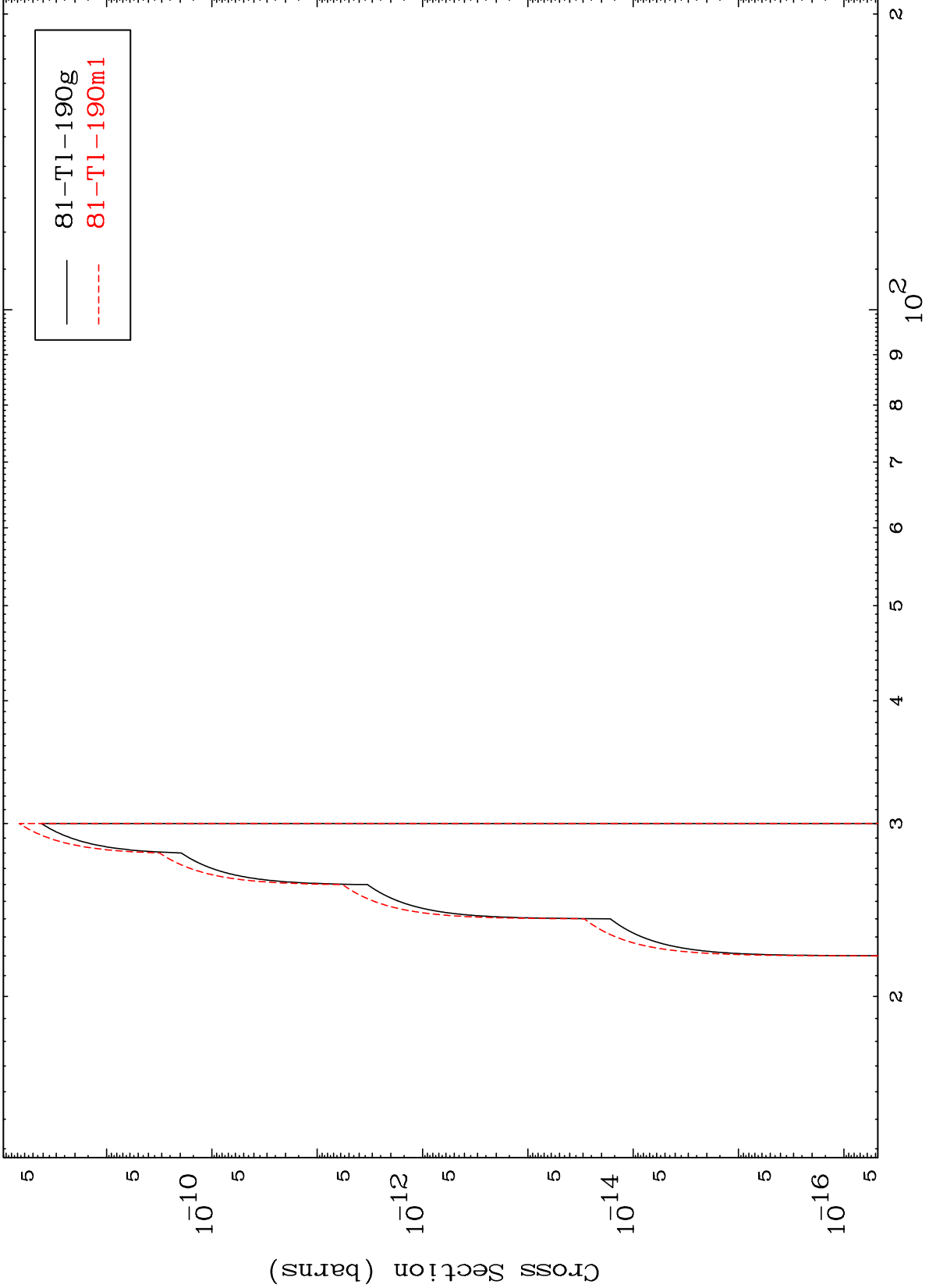
81-Tl-194m

MAT 8099

(n,3n)  $\alpha$

81-Tl-194m

Radionuclide Production Cross Section



19

Incident Energy (MeV)

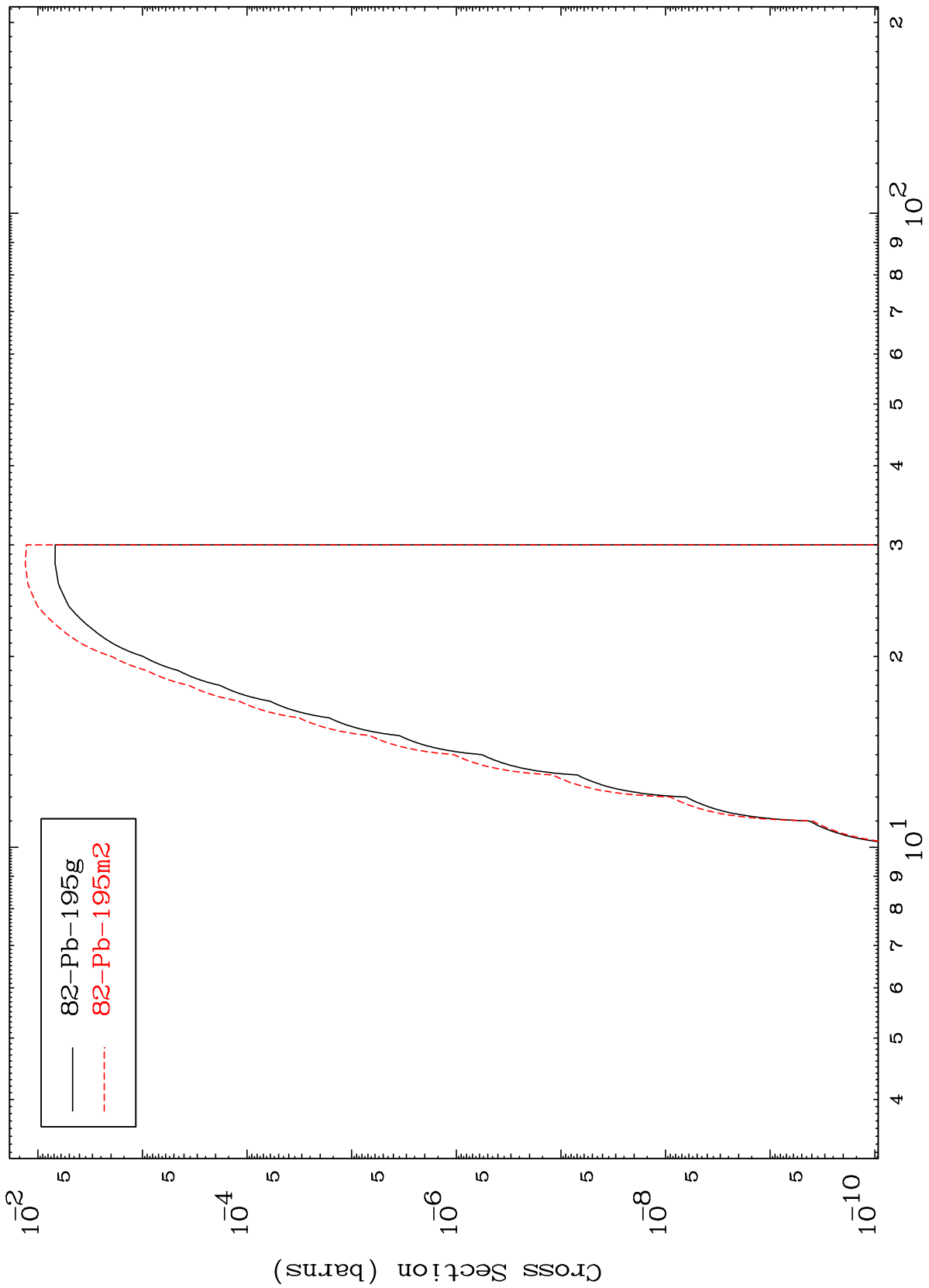
81-Tl-194m

MAT 8099

(n,n') p

81-Tl-194m

Radionuclide Production Cross Section



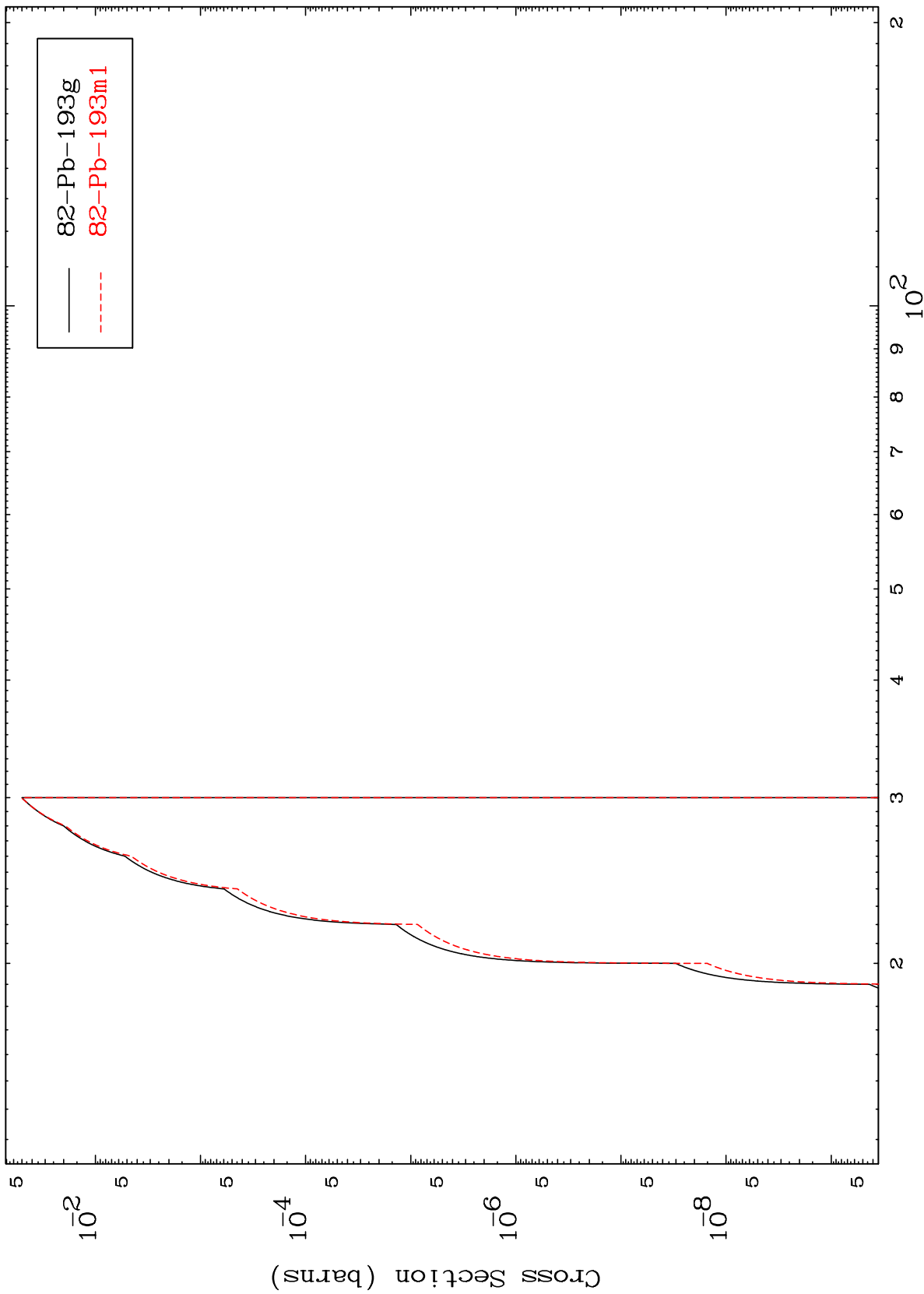
— 82-Pb-195g  
- - - 82-Pb-195m2

20

Incident Energy (MeV)

81-Tl-194m

Radionuclide Production Cross Section

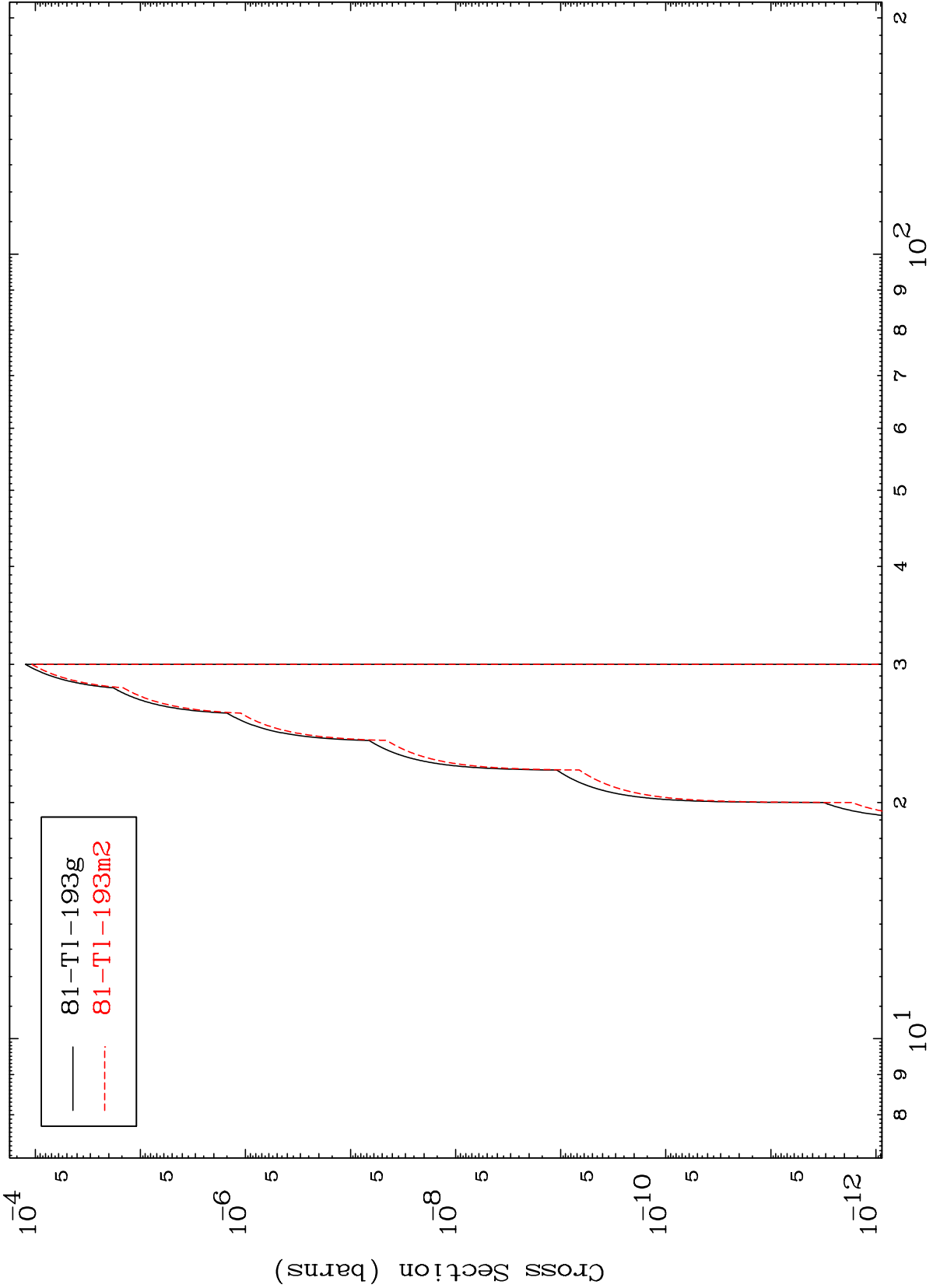


MAT 8099

(n,n') He-3

81-Tl-194m

Radionuclide Production Cross Section



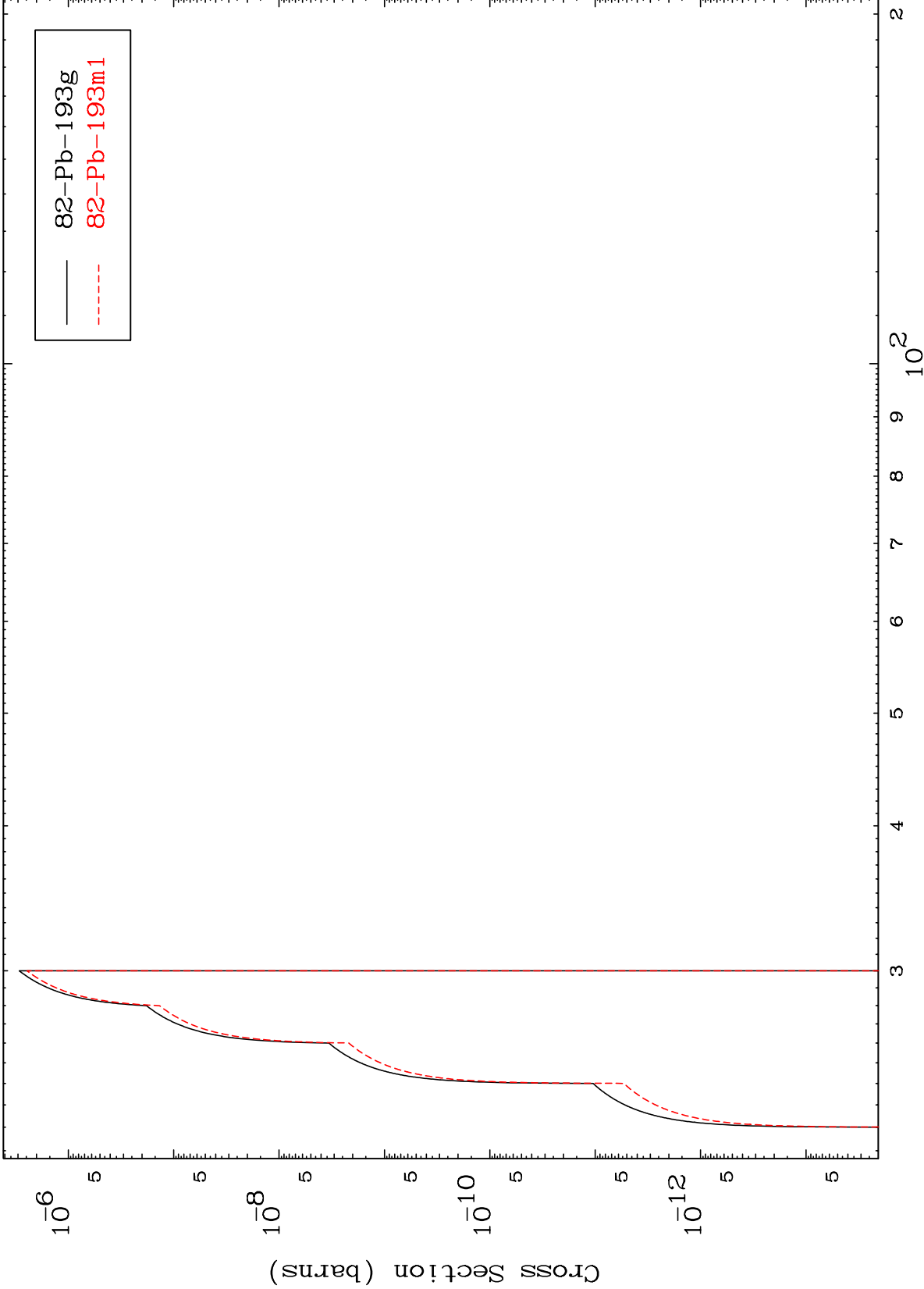
81-Tl-193g  
81-Tl-193m2

Incident Energy (MeV)

81-Tl-194m

22

Radionuclide Production Cross Section



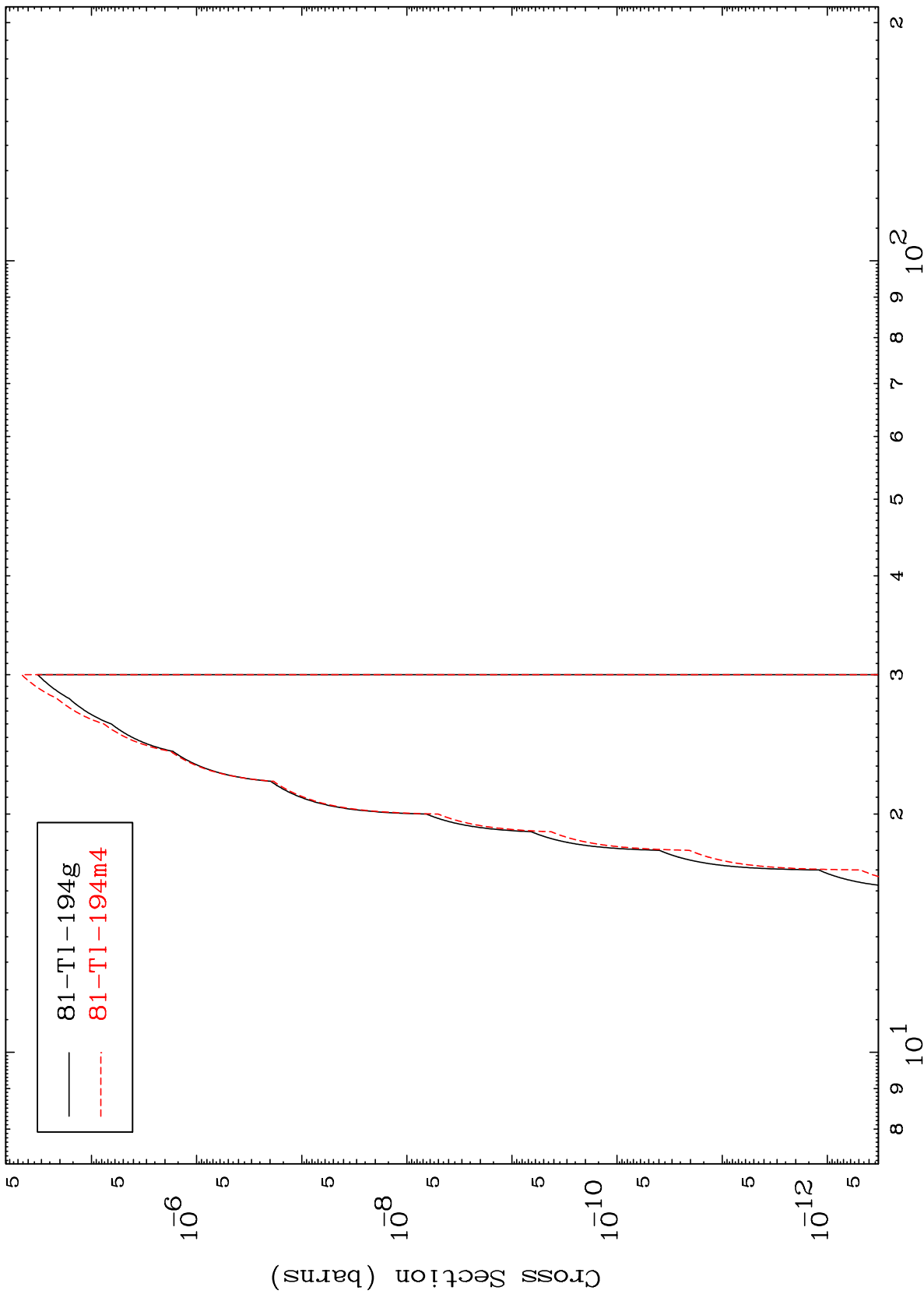


MAT 8099

(n,2n) p

81-Tl-194m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

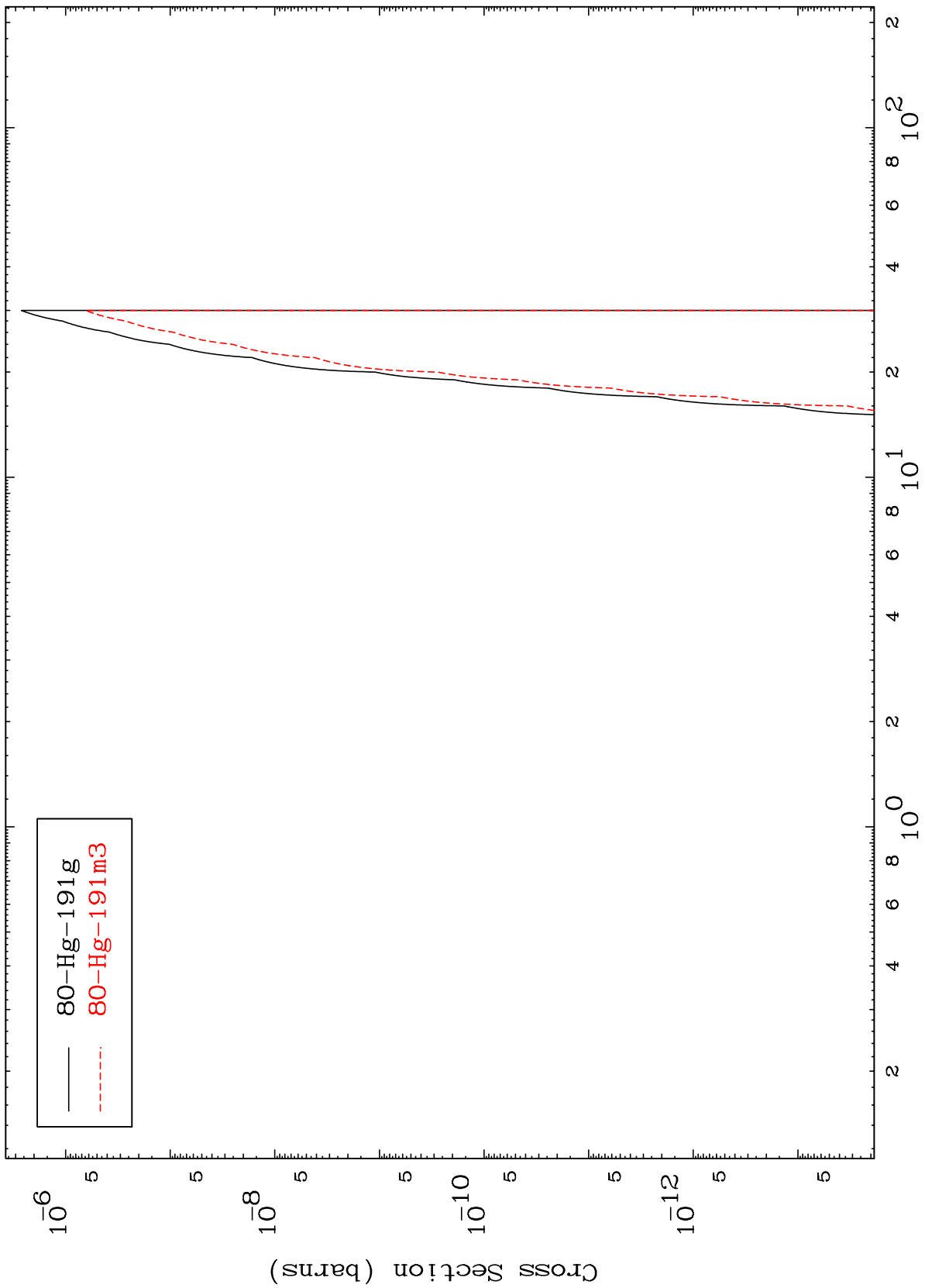
81-Tl-194m

MAT 8099

(n,n') p  $\alpha$

81-Tl-194m

Radionuclide Production Cross Section

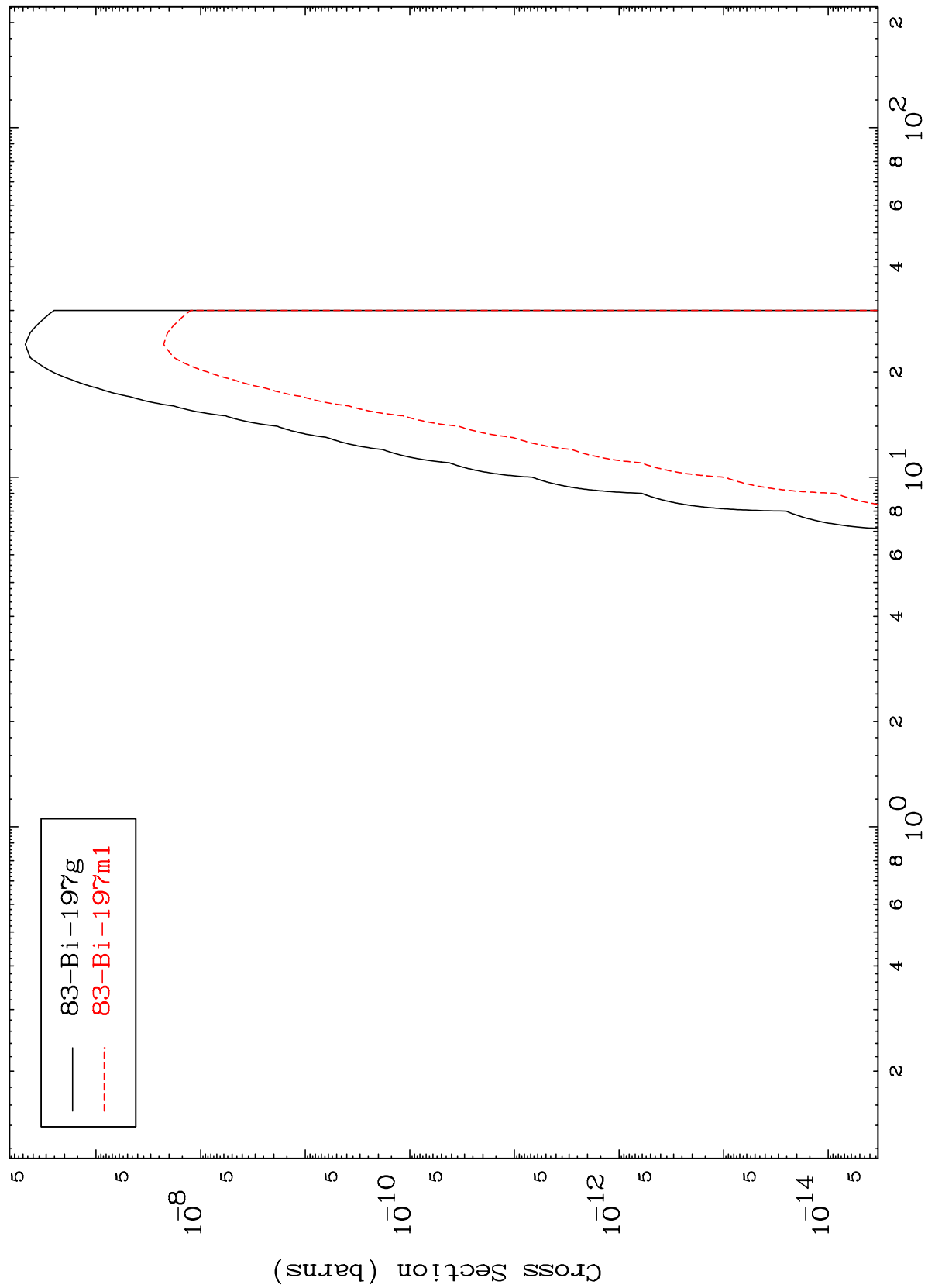


80-Hg-191g  
80-Hg-191m3

MAT 8099

81-Tl-194m

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



— 83-Bi-197g  
- - - 83-Bi-197m1

81-Tl-194m

Incident Energy (MeV)

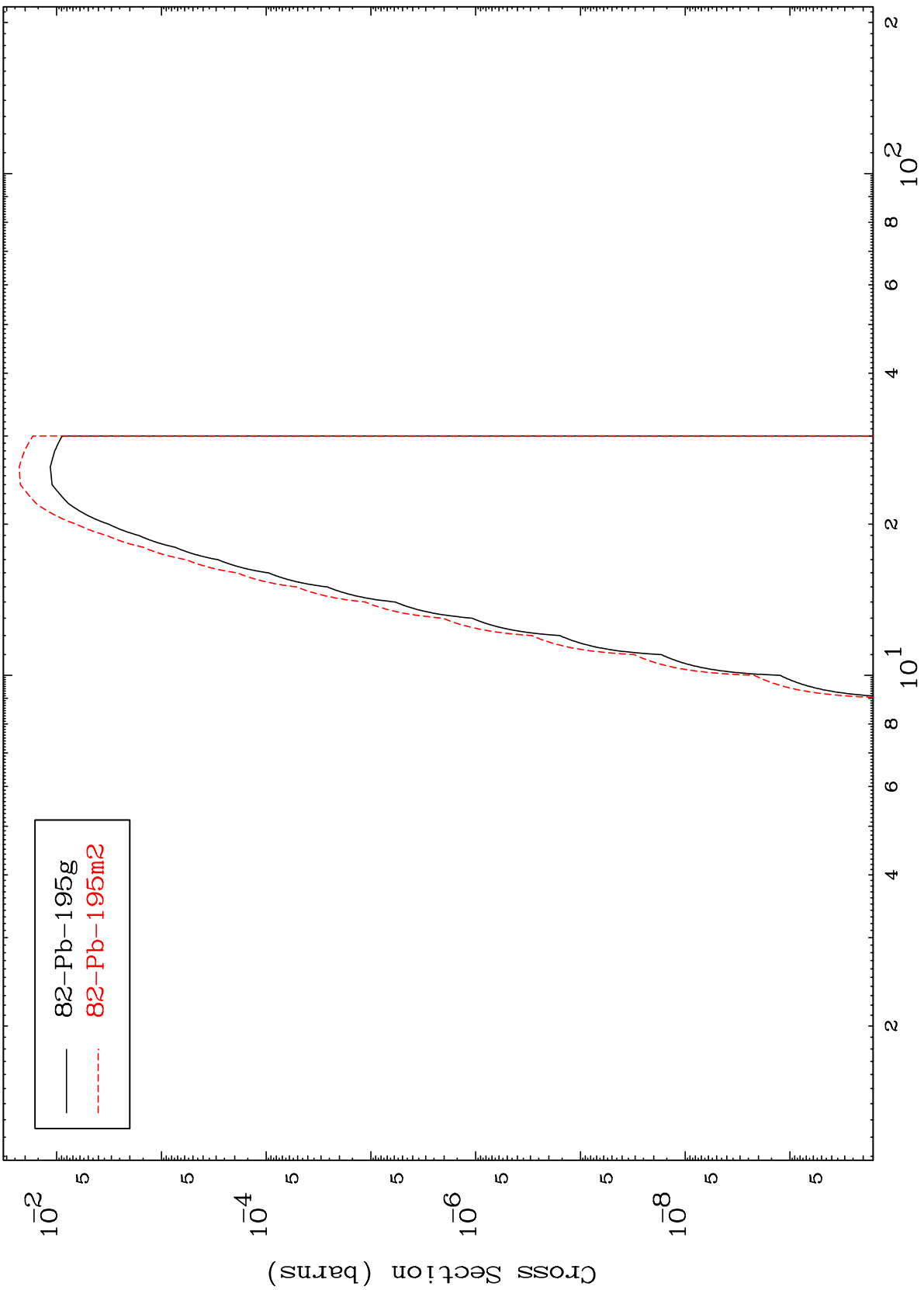
26

MAT 8099

(n,d)

81-Tl-194m

Radionuclide Production Cross Section



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

Incident Energy (MeV)

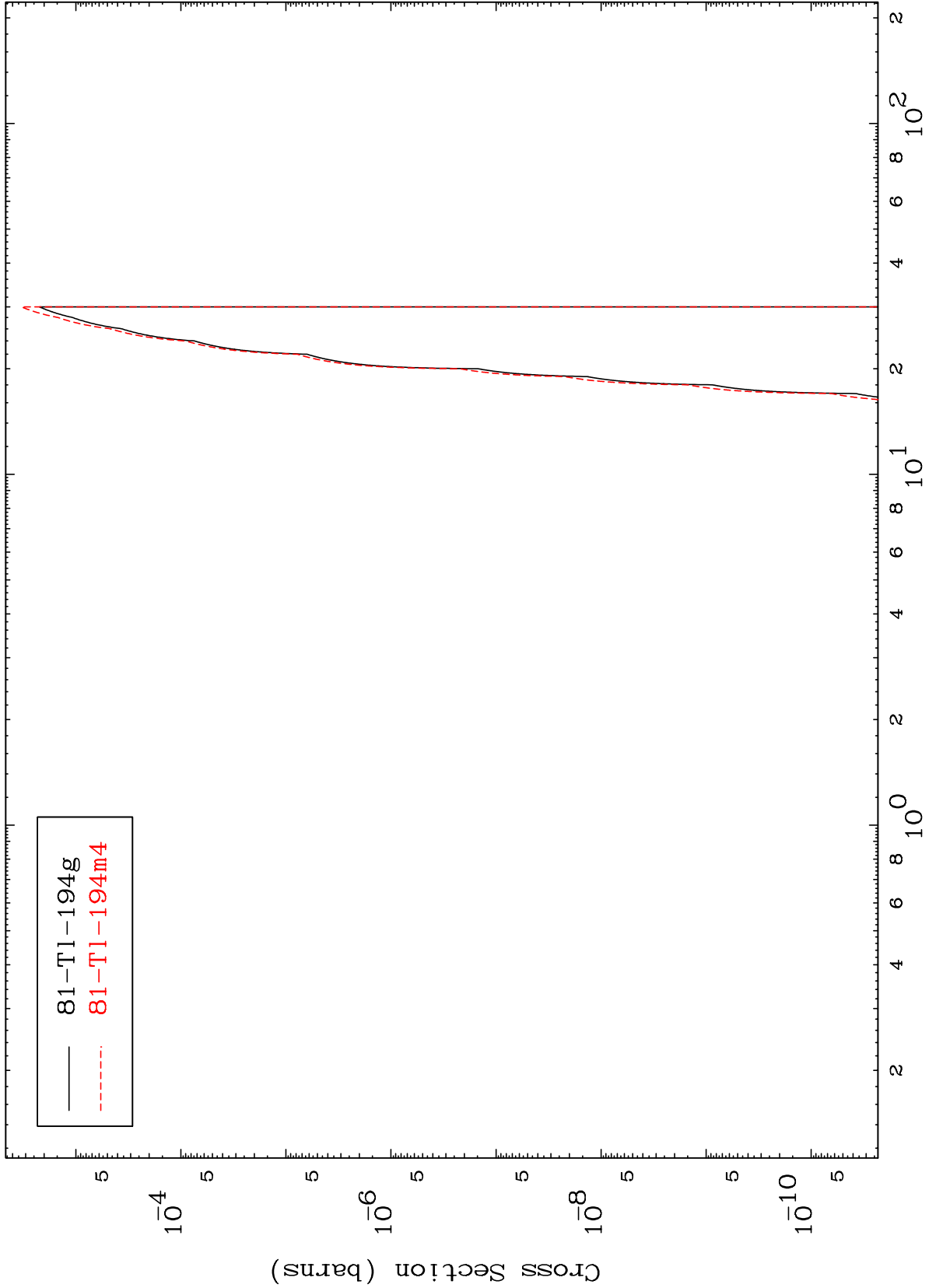
81-Tl-194m

MAT 8099

(n,He-3)

81-Tl-194m

Radionuclide Production Cross Section



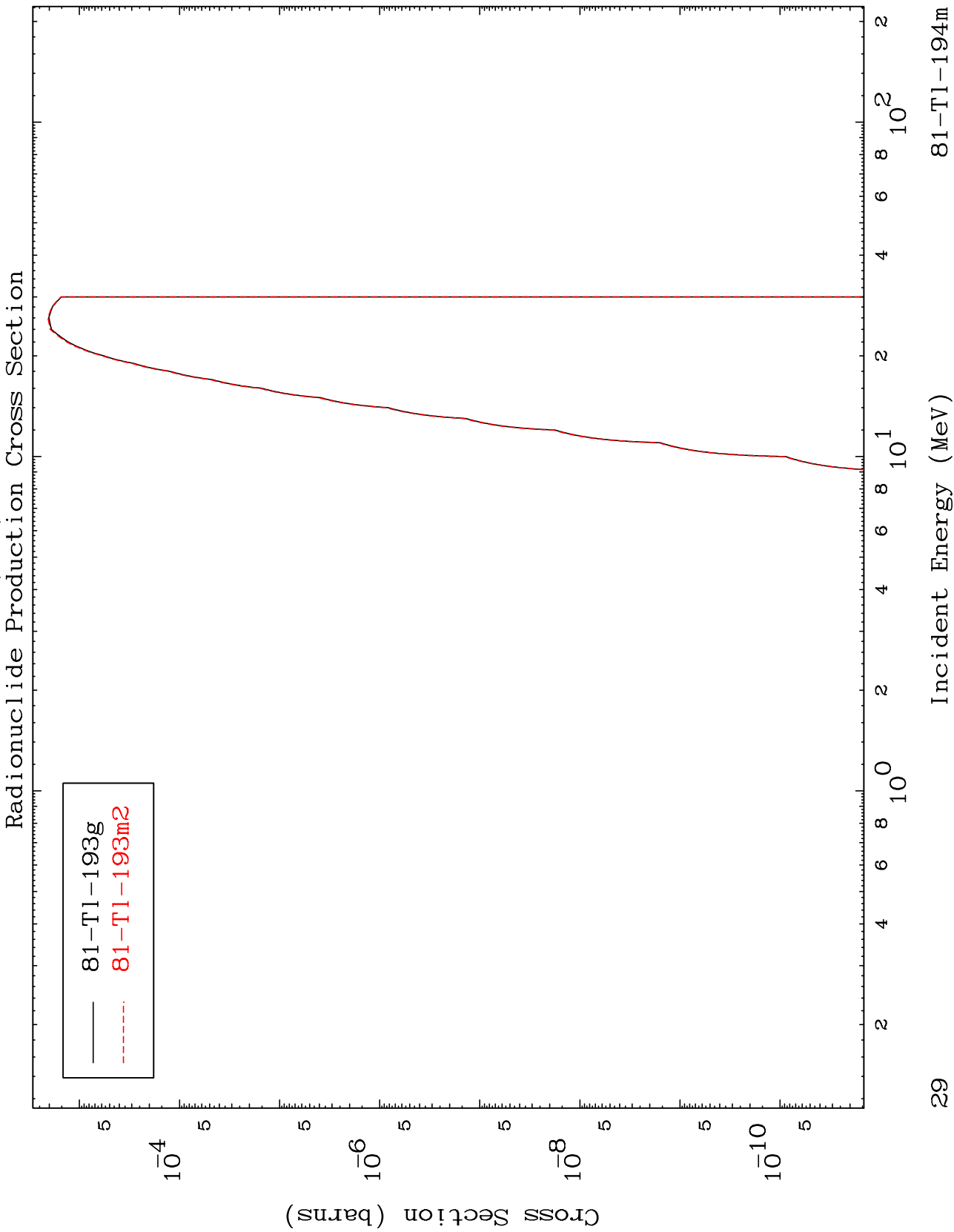
28

Incident Energy (MeV)

81-Tl-194m

MAT 8099

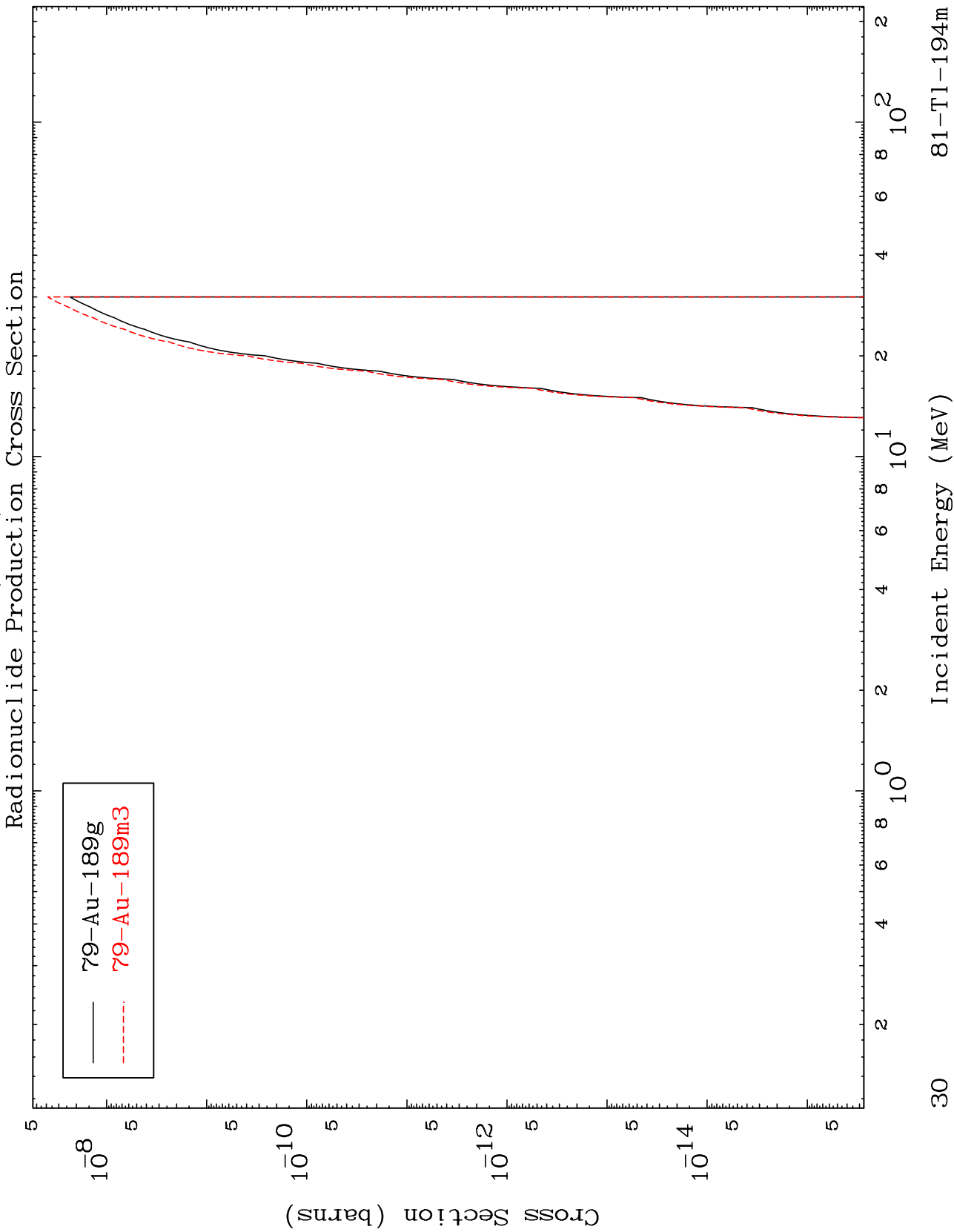
81-Tl-194m



MAT 8099

(n,2α)

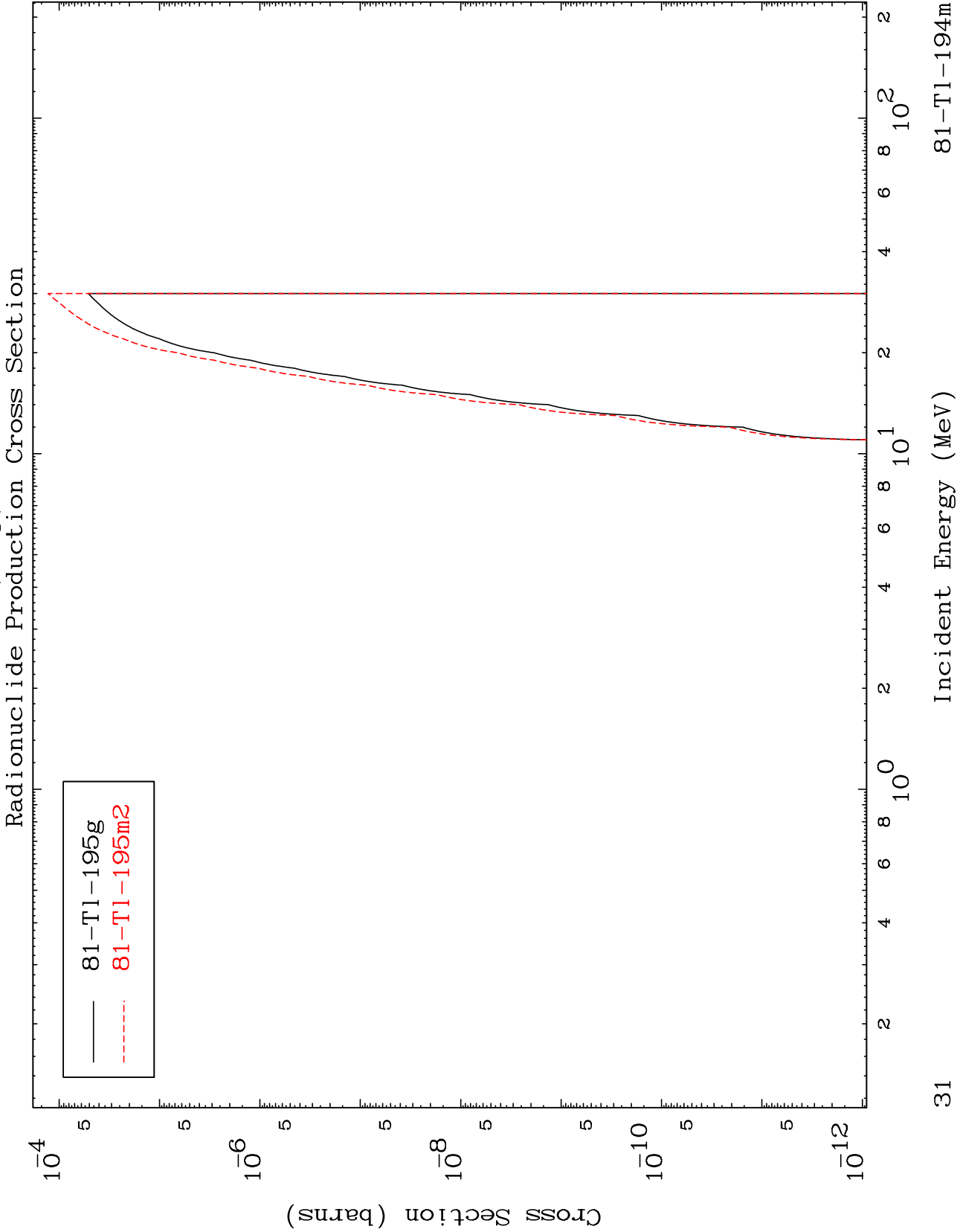
81-Tl-194m



MAT 8099

(n,2p)

81-Tl-194m



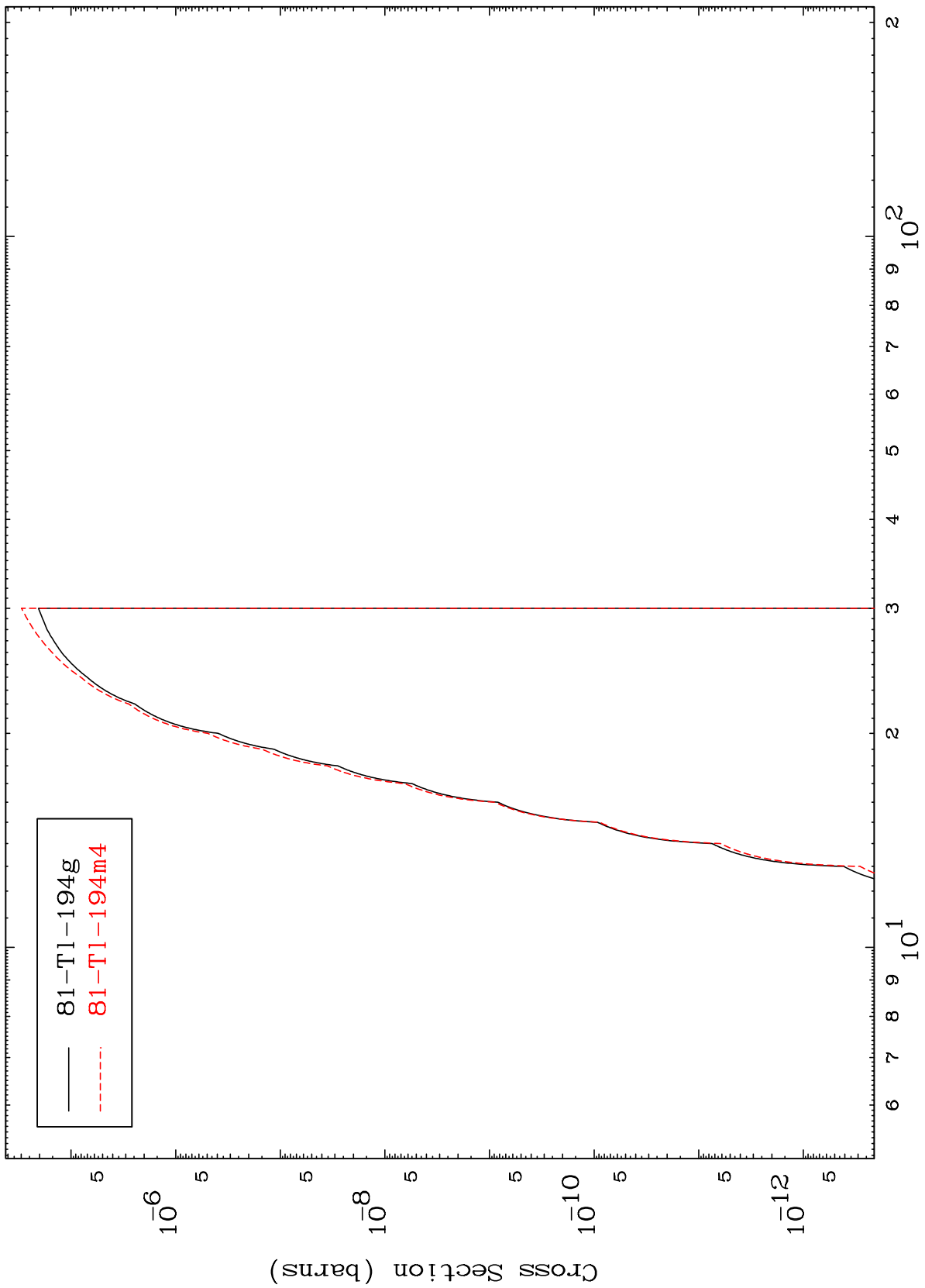


MAT 8099

(n,p) d

81-Tl-194m

Radionuclide Production Cross Section



32

Incident Energy (MeV)

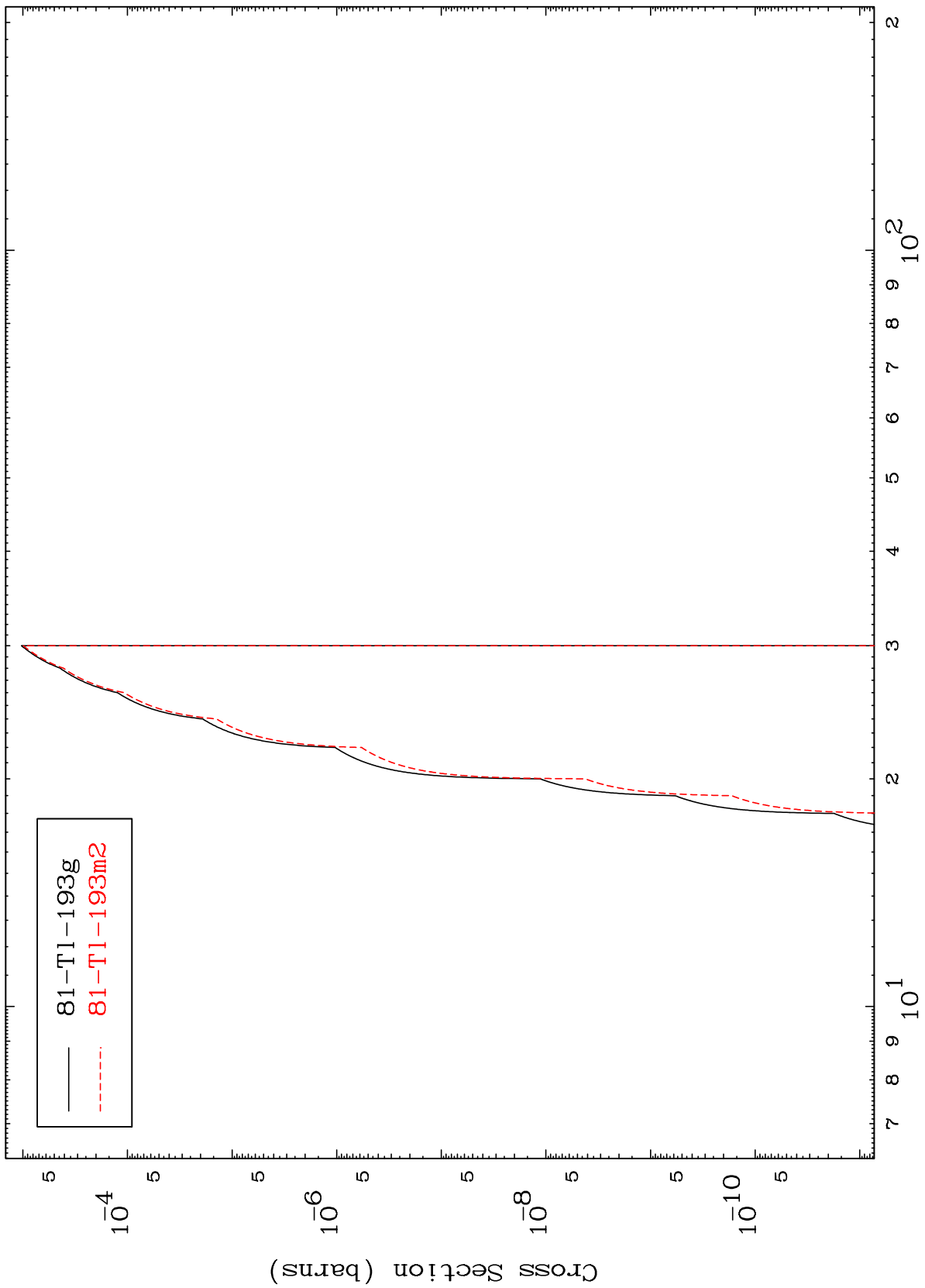
81-Tl-194m

MAT 8099

(n,p) t

81-Tl-194m

Radionuclide Production Cross Section



MAT 8099

(n,d)  $\alpha$

81-Tl-194m

