

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

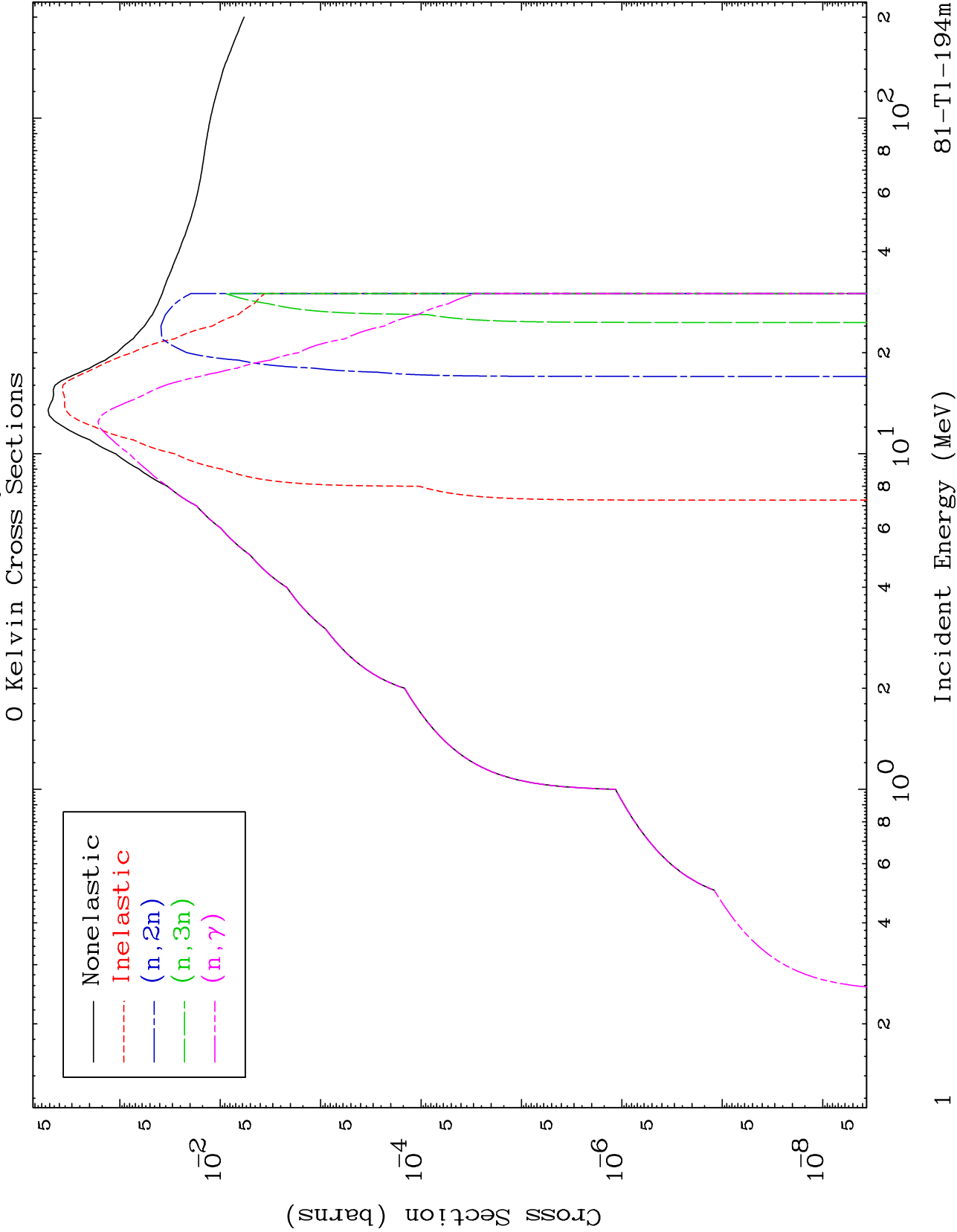
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

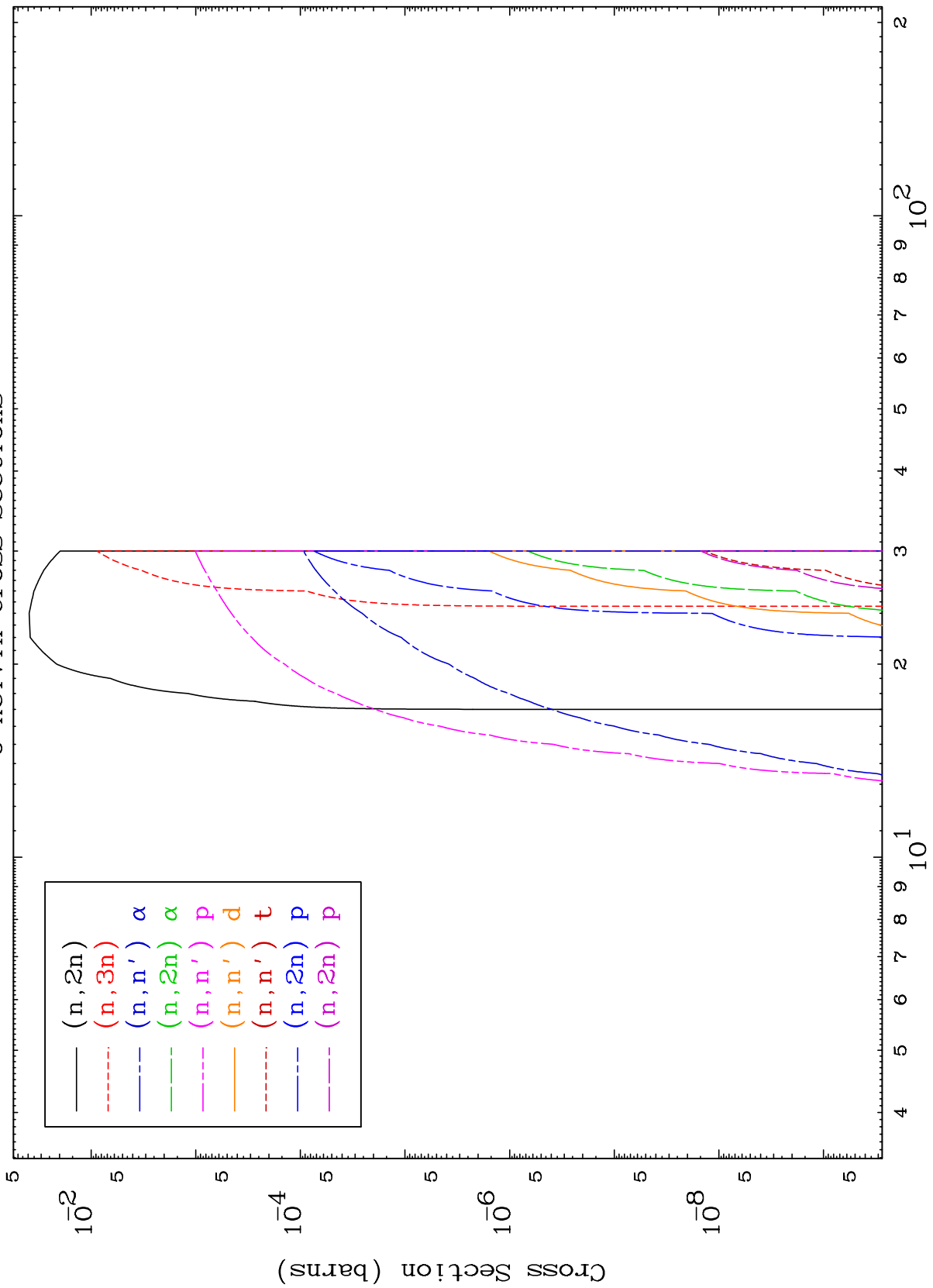
Tele: 925-443-1911

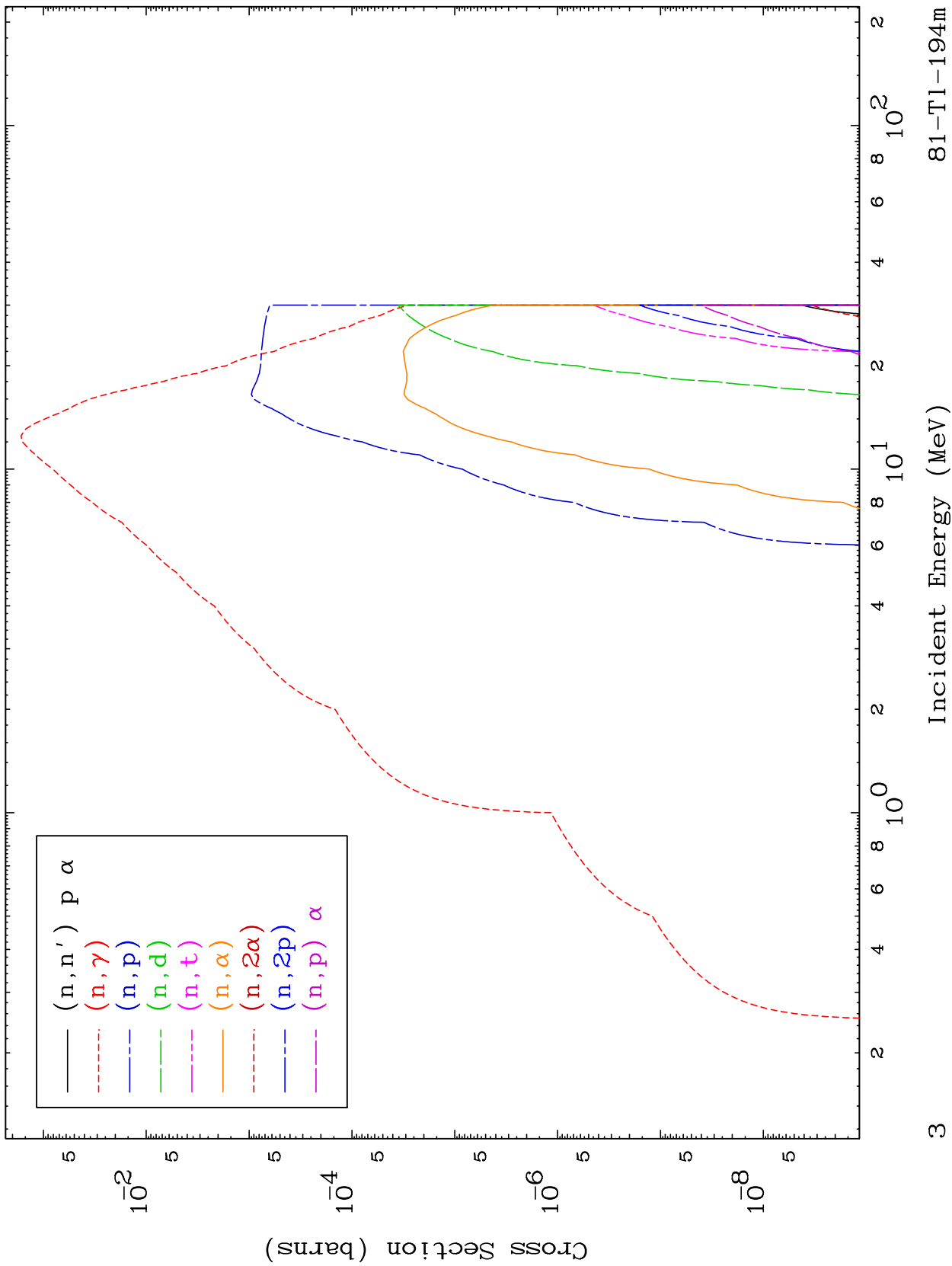
E.Mail:redcullen1@comcast.net

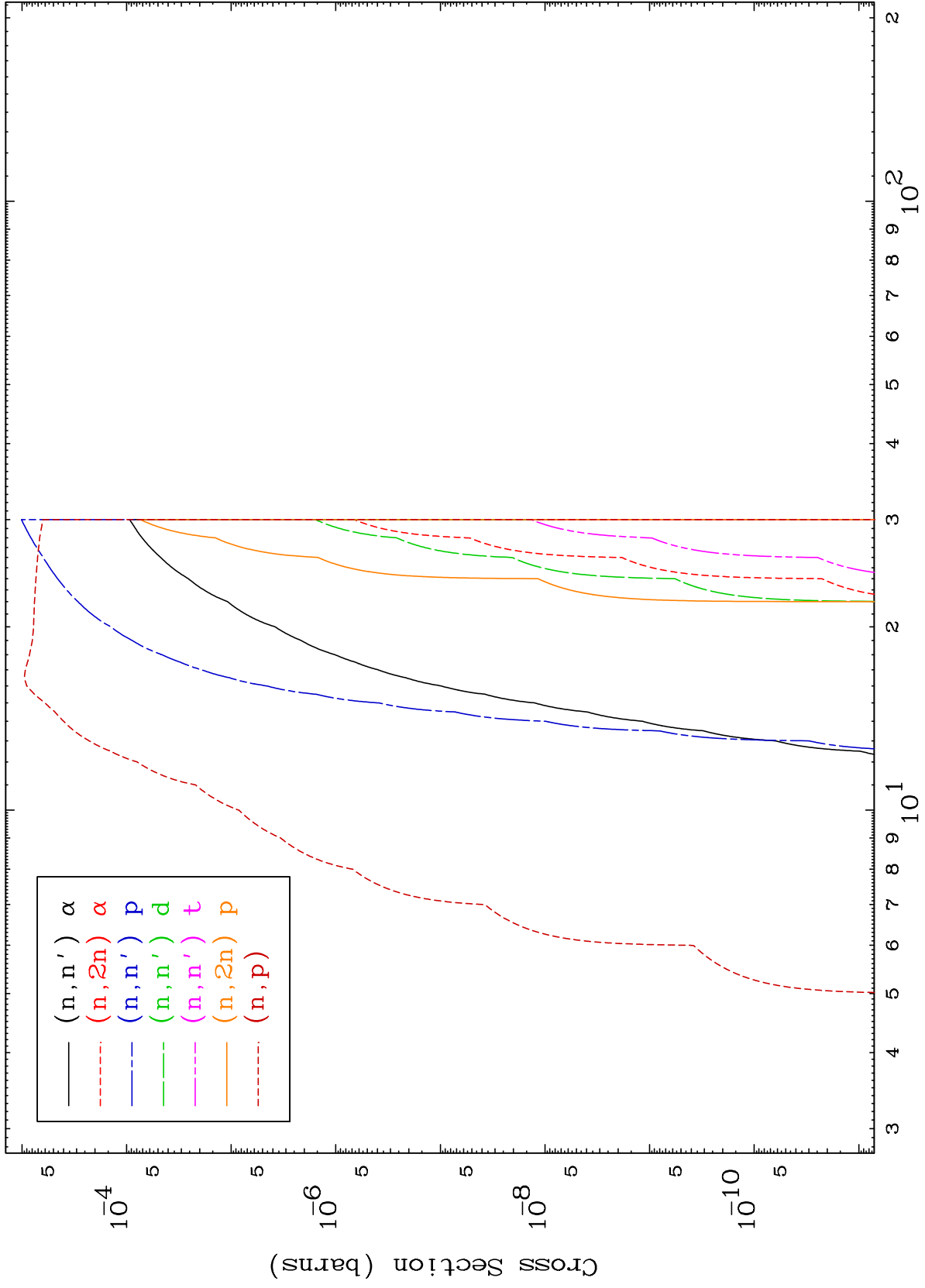
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start





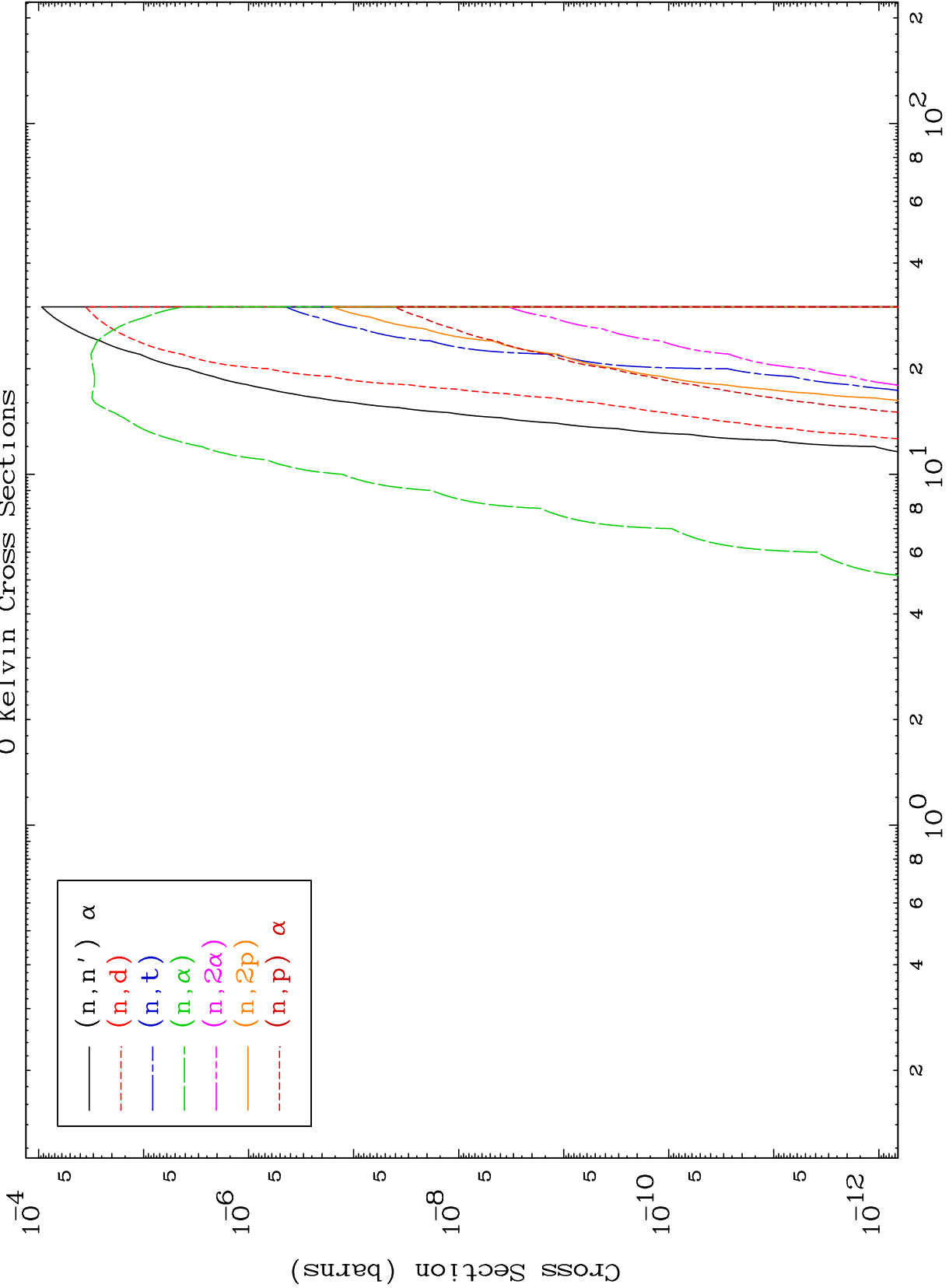




MAT 8099

Photon Charged Particle  
0 Kelvin Cross Sections

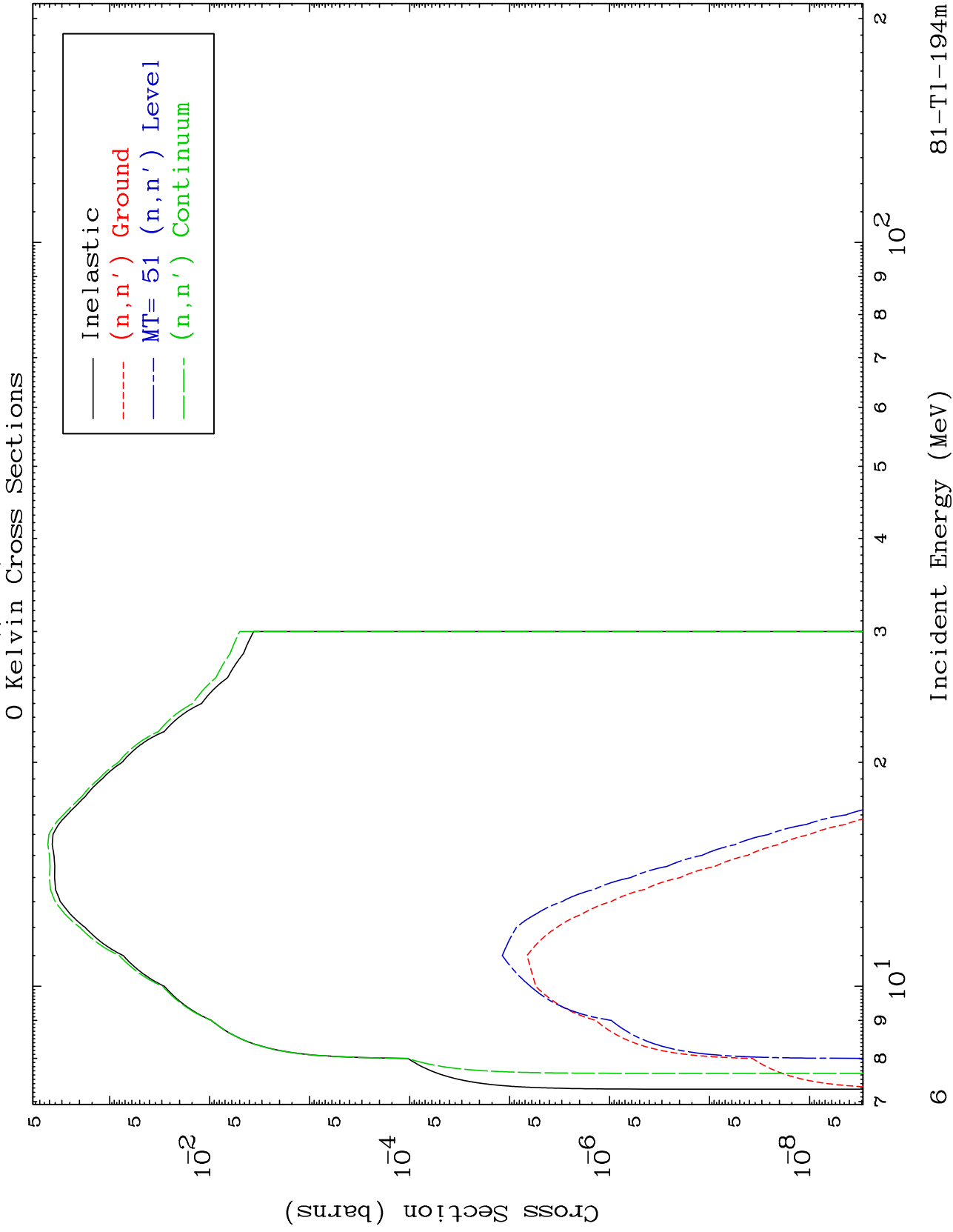
81-Tl-194m



MAT 8099

( $\gamma, n'$ ) Levels

81-Tl-194m

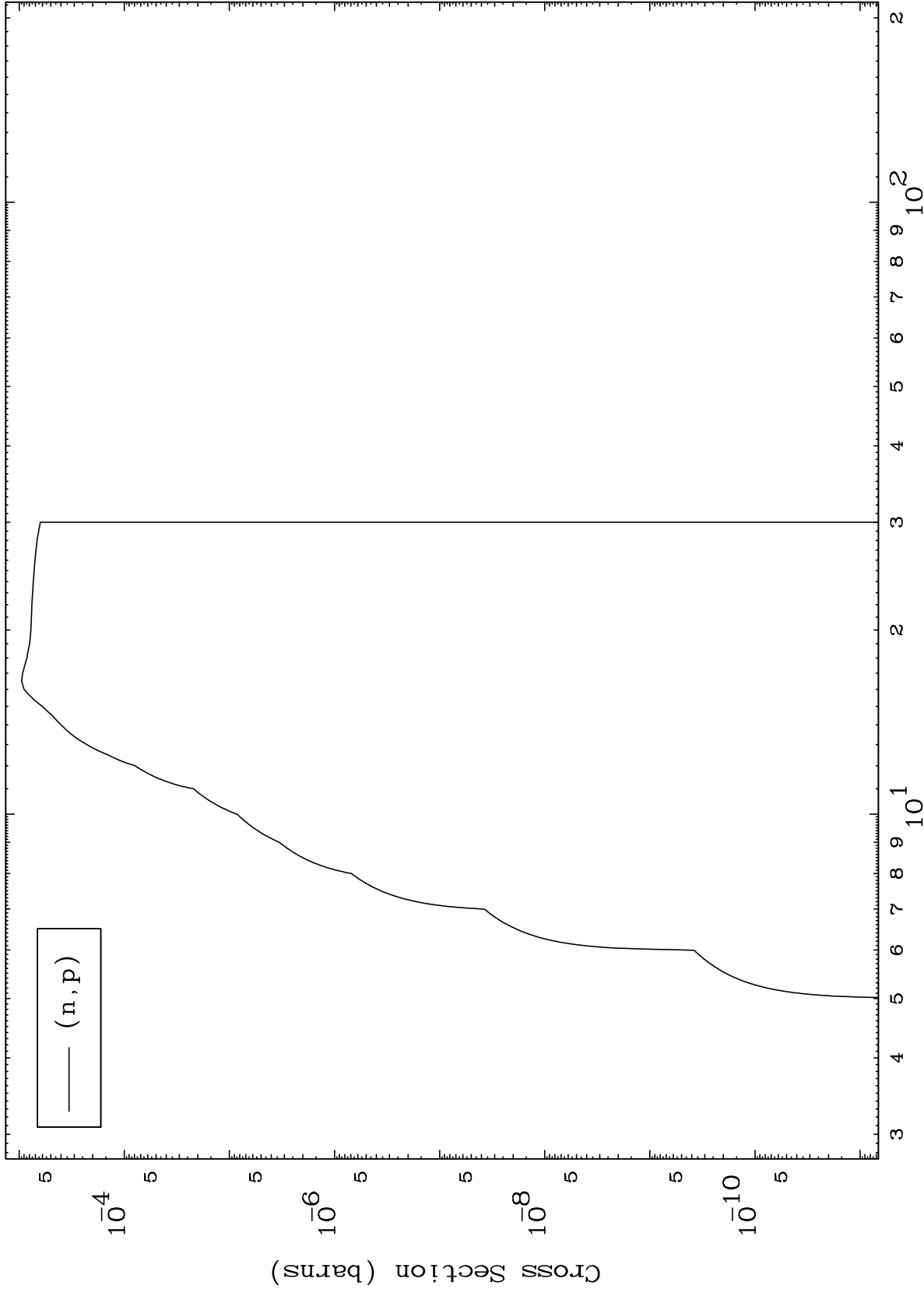


6

MAT 8099

( $\gamma, p$ ) Levels  
0 Kelvin Cross Sections

81-Tl-194m



7

Incident Energy (MeV)

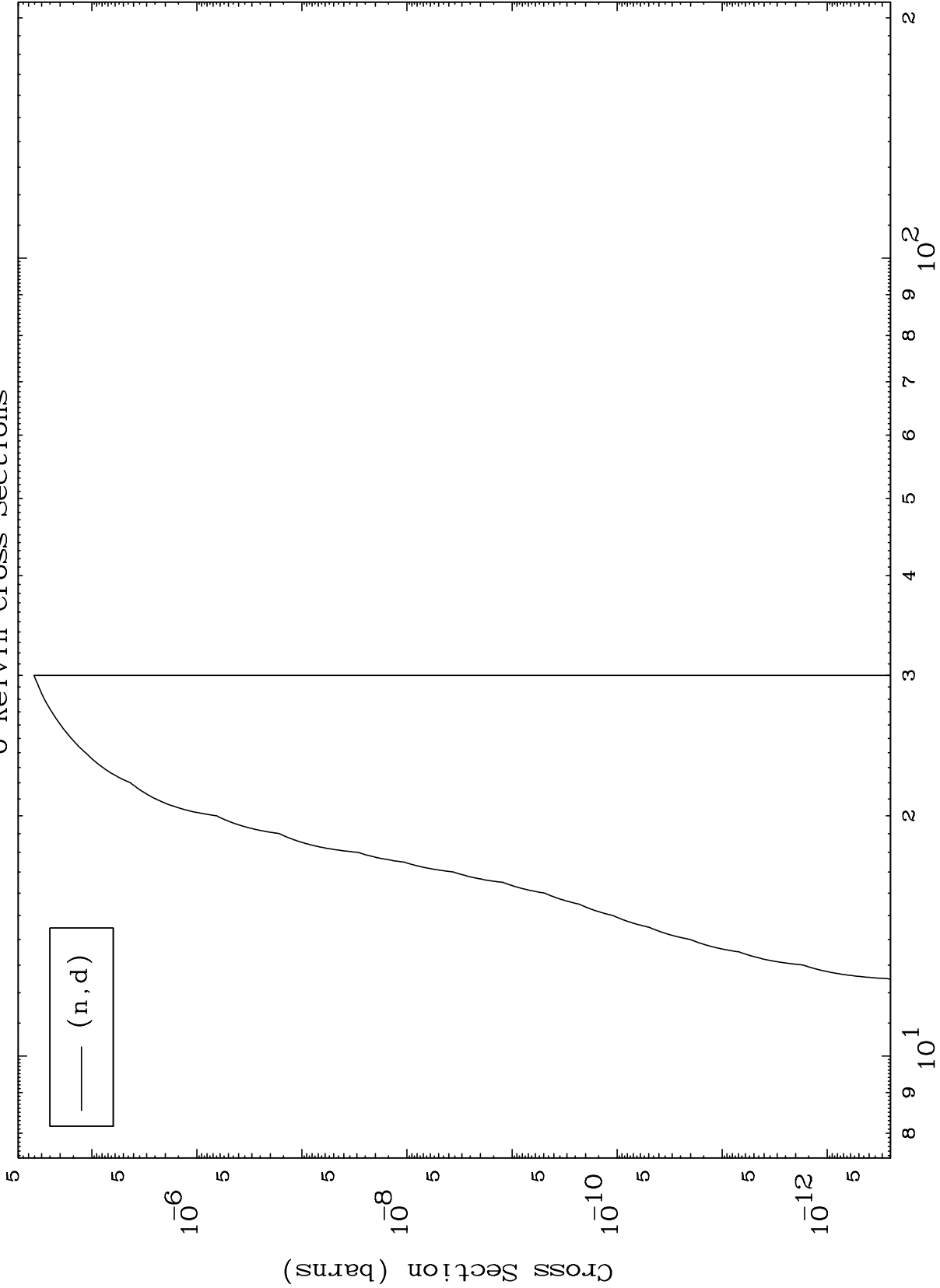
81-Tl-194m

MAT 8099

( $\gamma, d$ ) Levels

81-Tl-194m

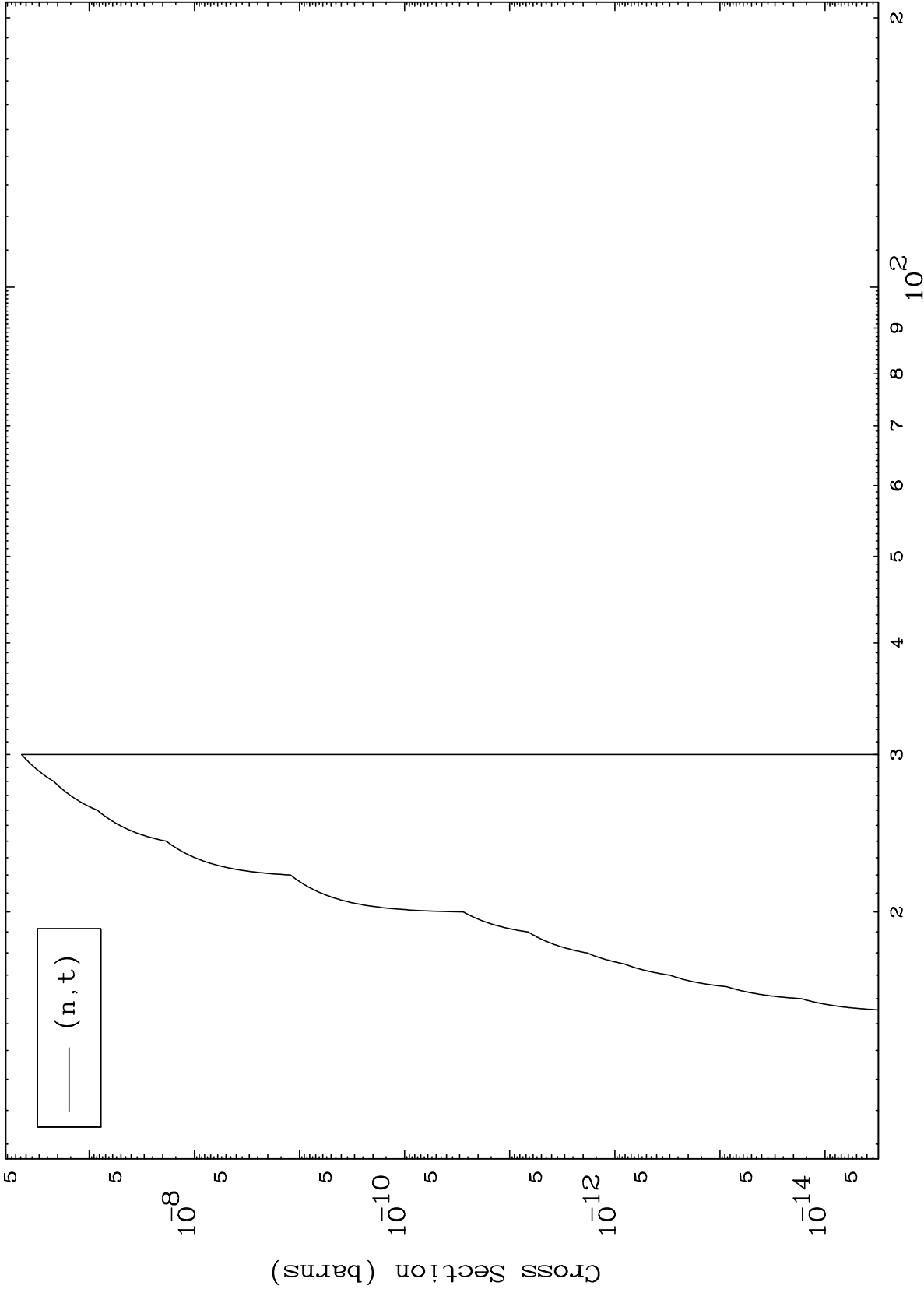
0 Kelvin Cross Sections



8

Incident Energy (MeV)

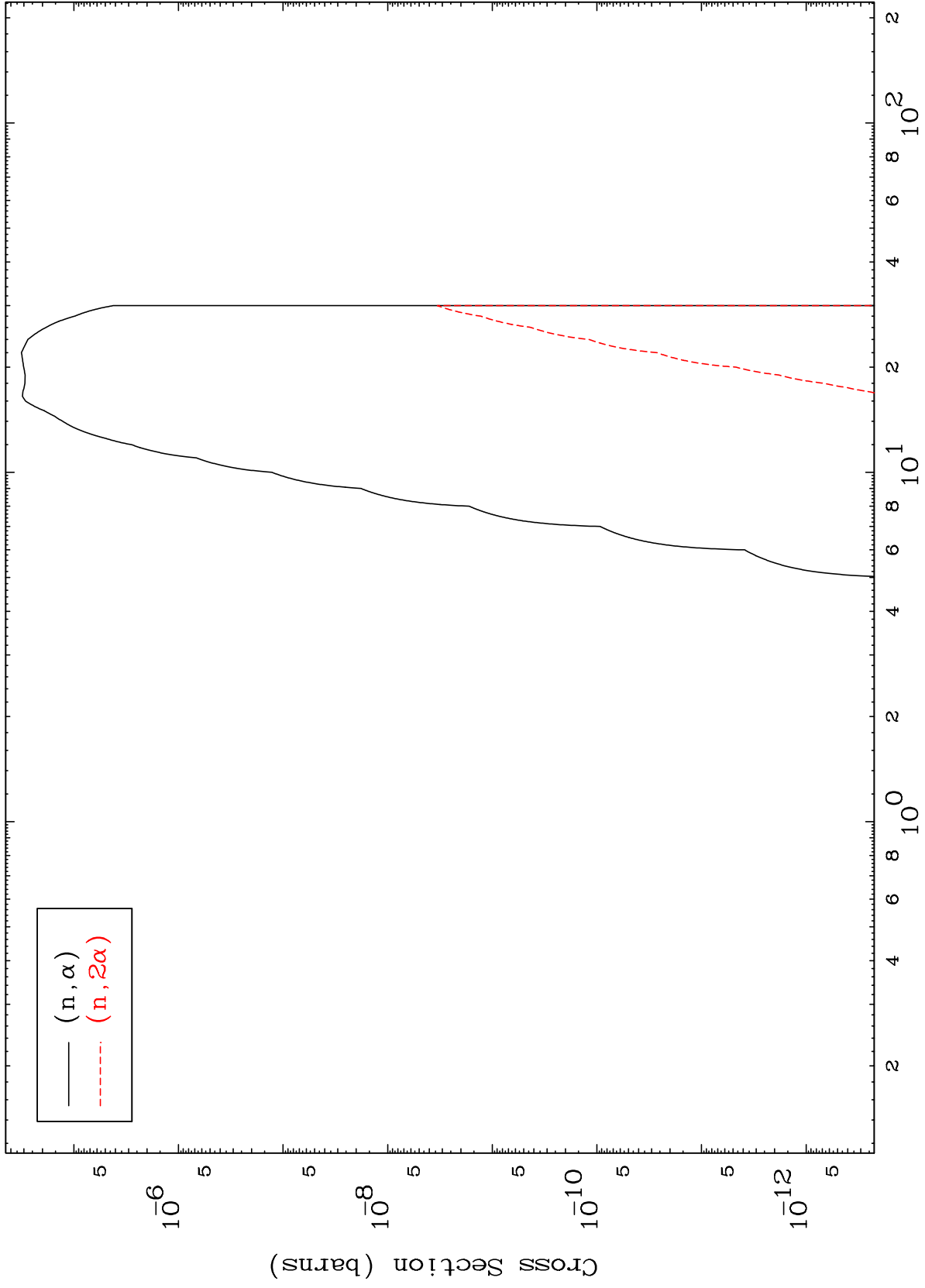
81-Tl-194m



MAT 8099

( $\gamma, \alpha$ ) Levels  
0 Kelvin Cross Sections

81-Tl-194m



— ( $n, \alpha$ )  
- - - ( $n, 2\alpha$ )

10

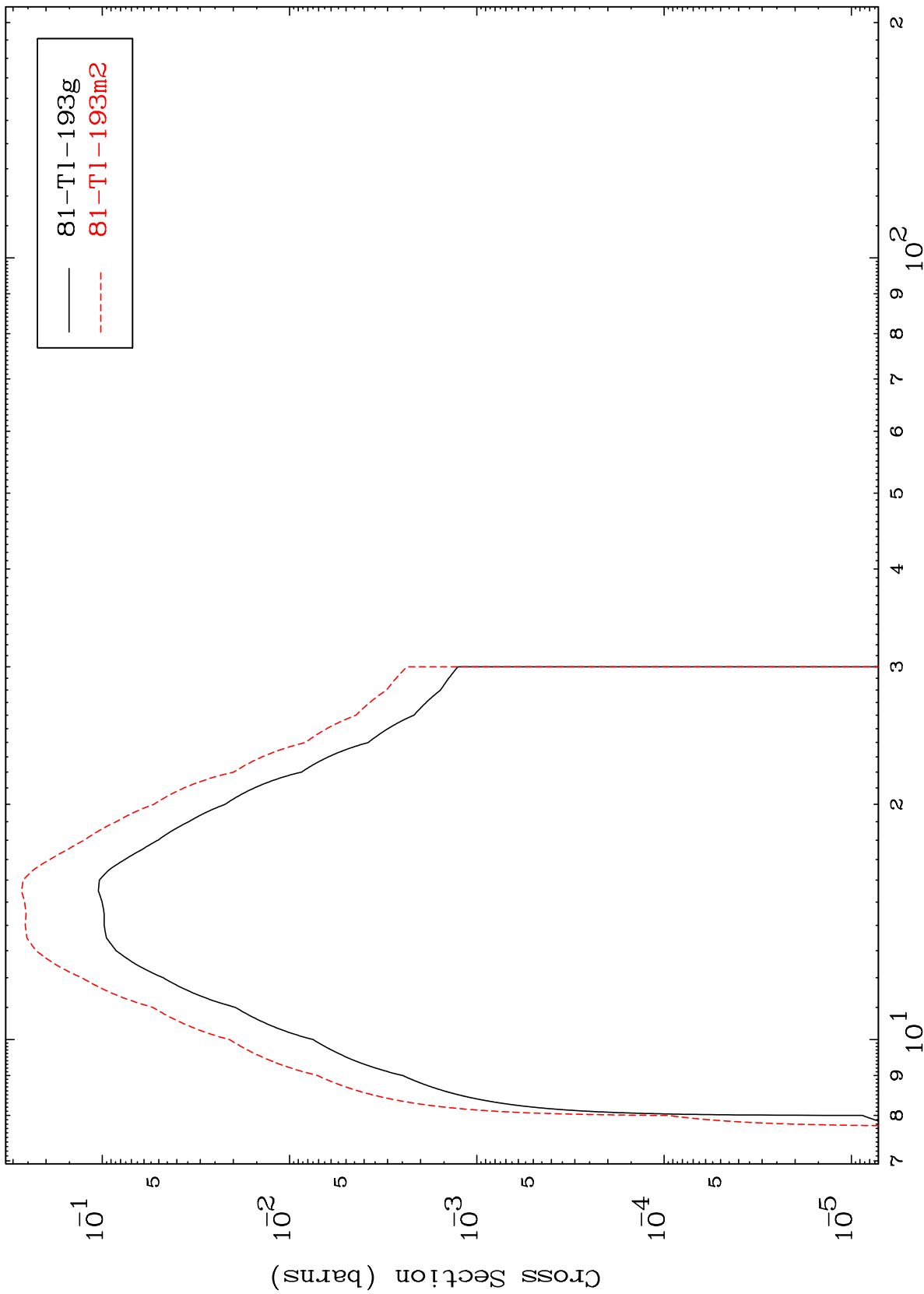
Incident Energy (MeV)

81-Tl-194m

MAT 8099

81-Tl-194m

Inelastic  
Radionuclide Production Cross Section



81-Tl-194m

Incident Energy (MeV)

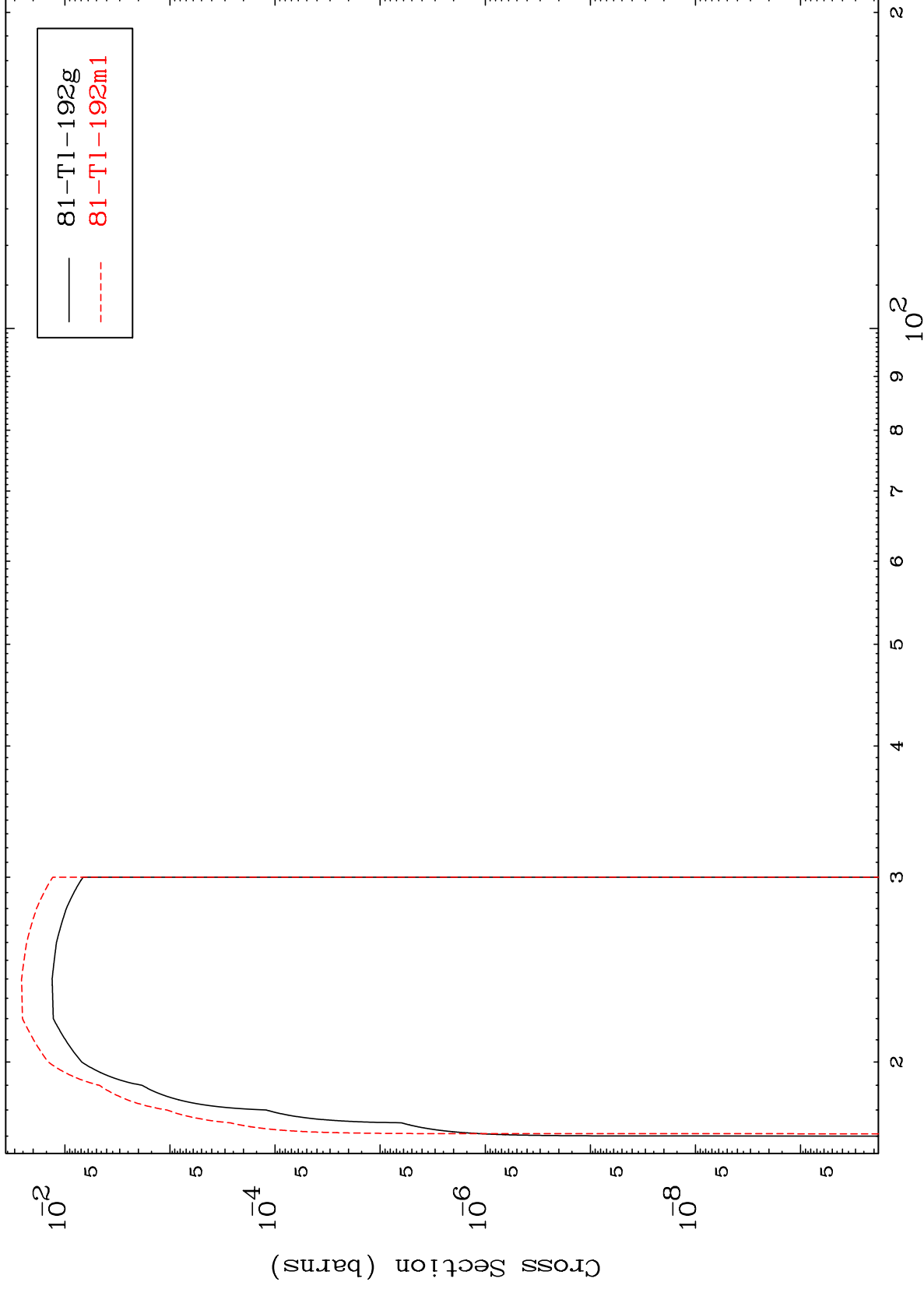
11

MAT 8099

(n,2n)

81-Tl-194m

Radionuclide Production Cross Section



12

Incident Energy (MeV)

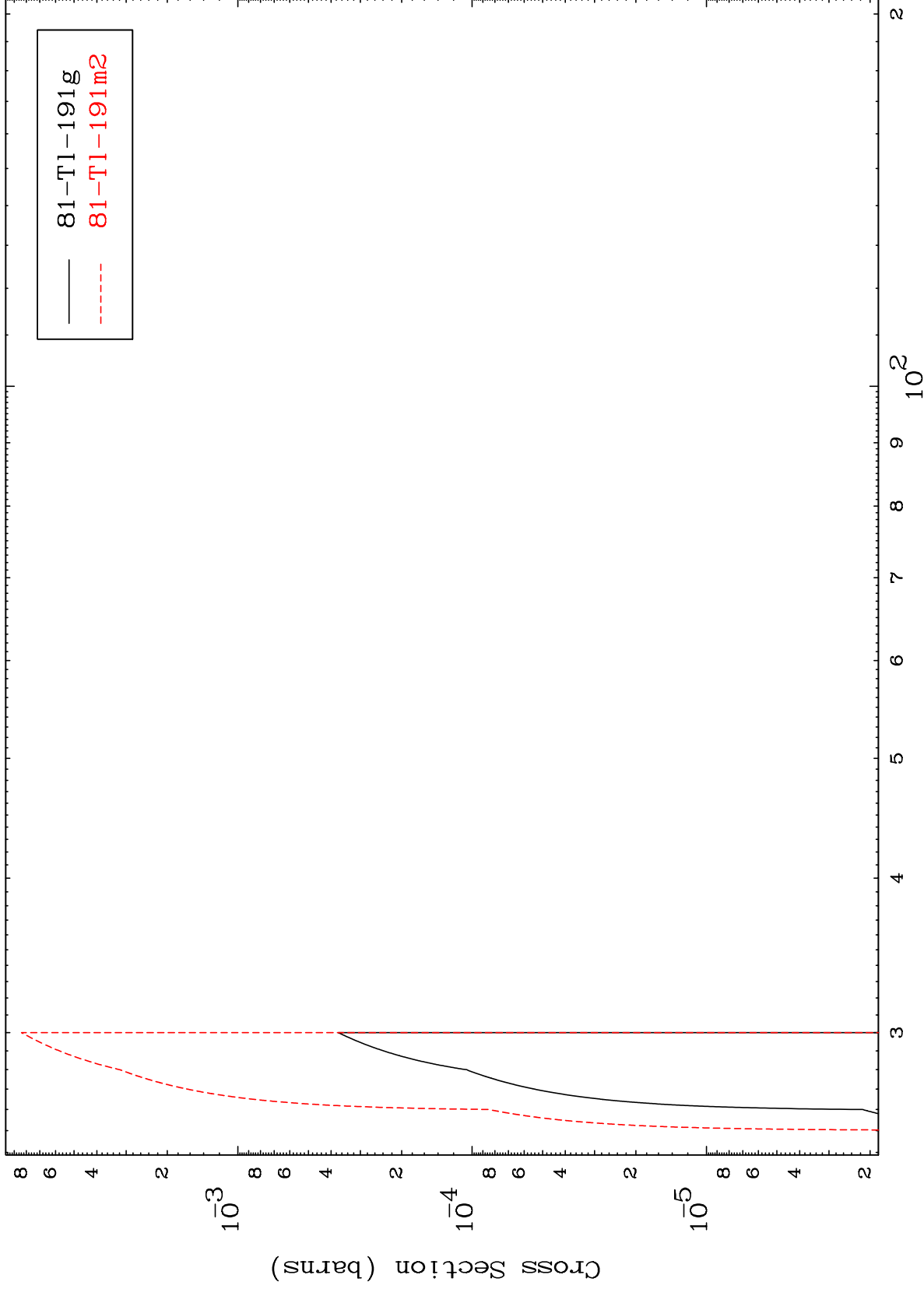
81-Tl-194m

MAT 8099

(n,3n)

81-Tl-194m

Radionuclide Production Cross Section



13

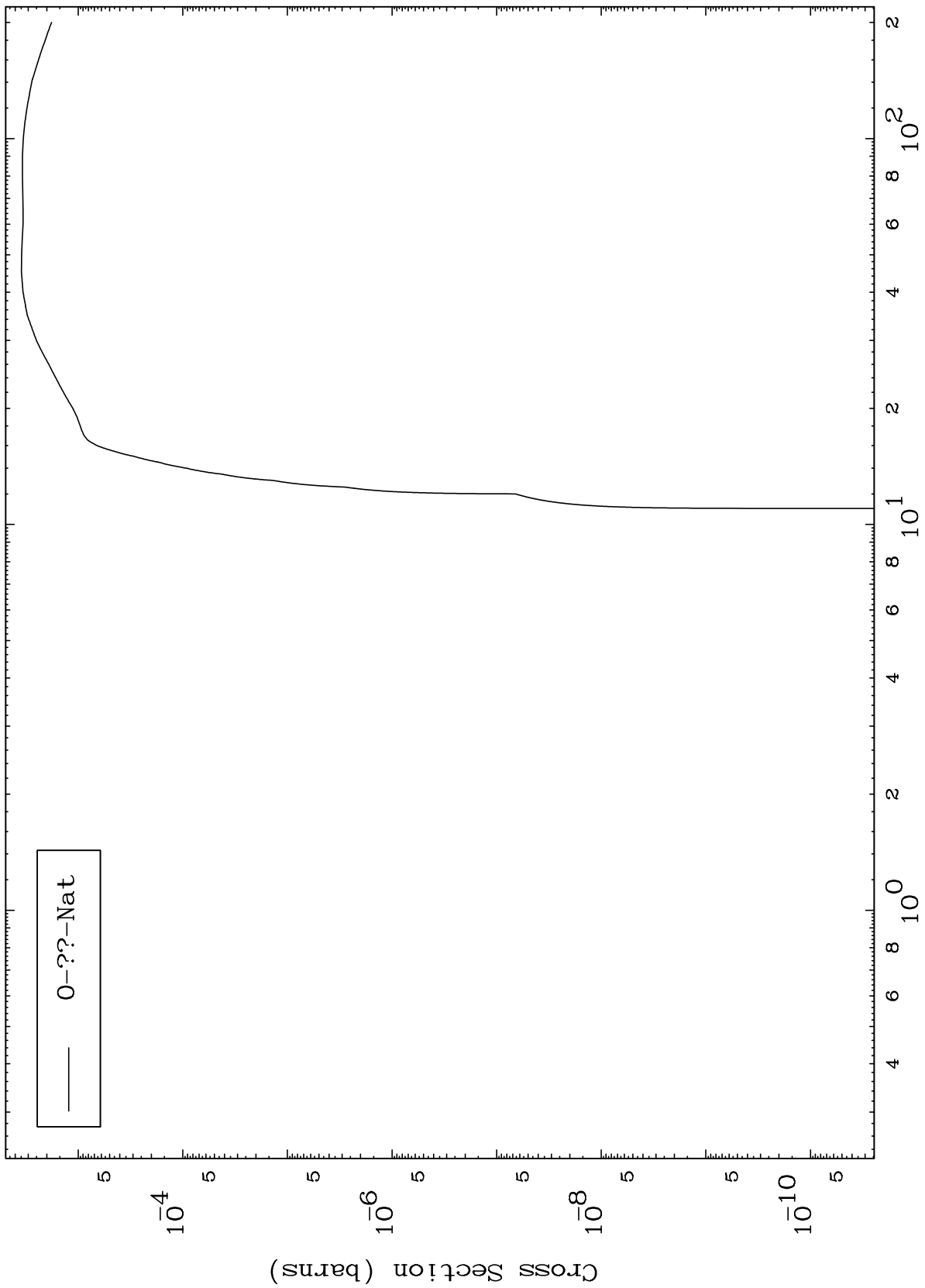
Incident Energy (MeV)

81-Tl-194m

MAT 8099

81-Tl-194m

Fission  
Radionuclide Production Cross Section



81-Tl-194m

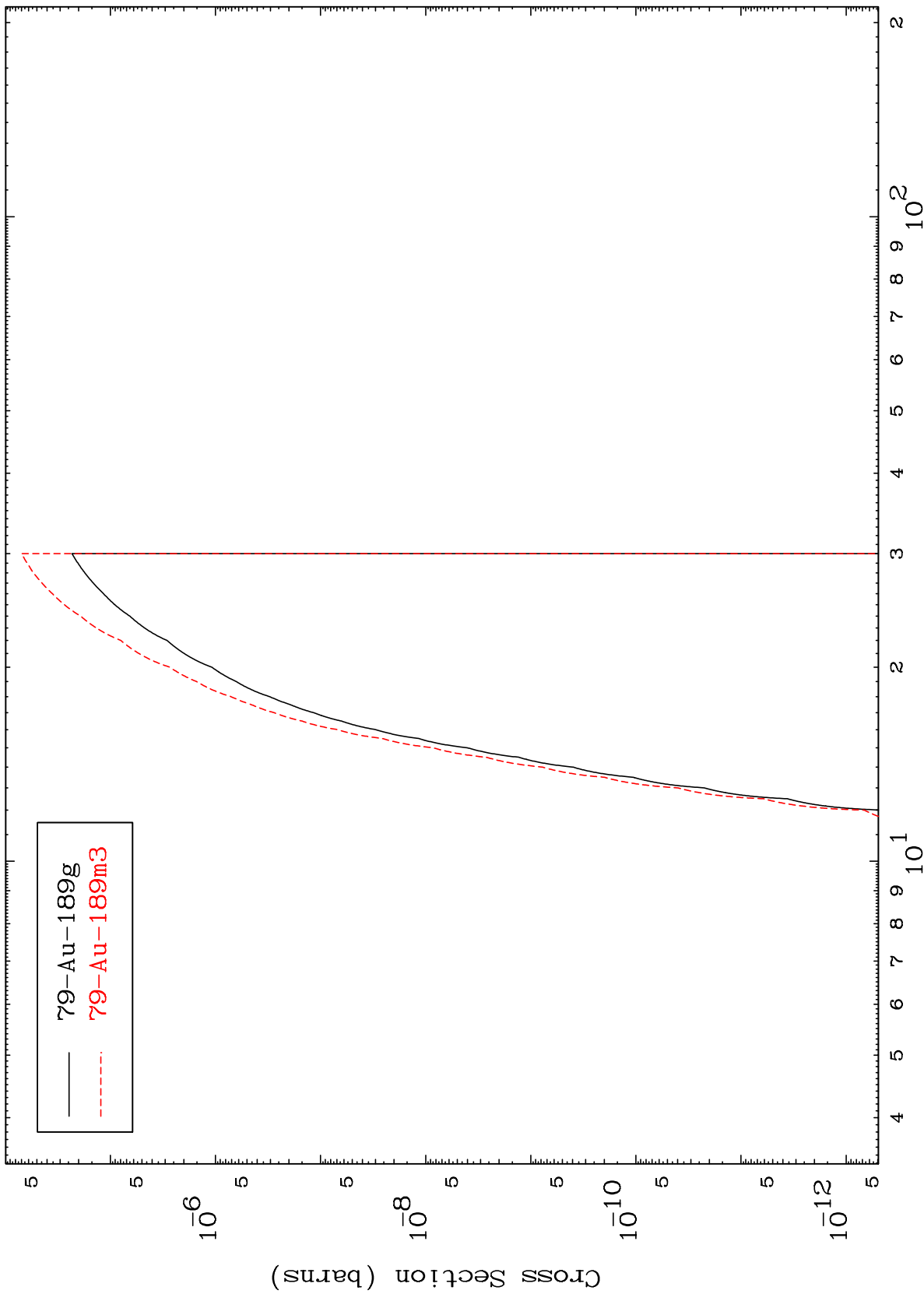
Incident Energy (MeV)

MAT 8099

(n,n')  $\alpha$

81-Tl-194m

Radionuclide Production Cross Section



15

Incident Energy (MeV)

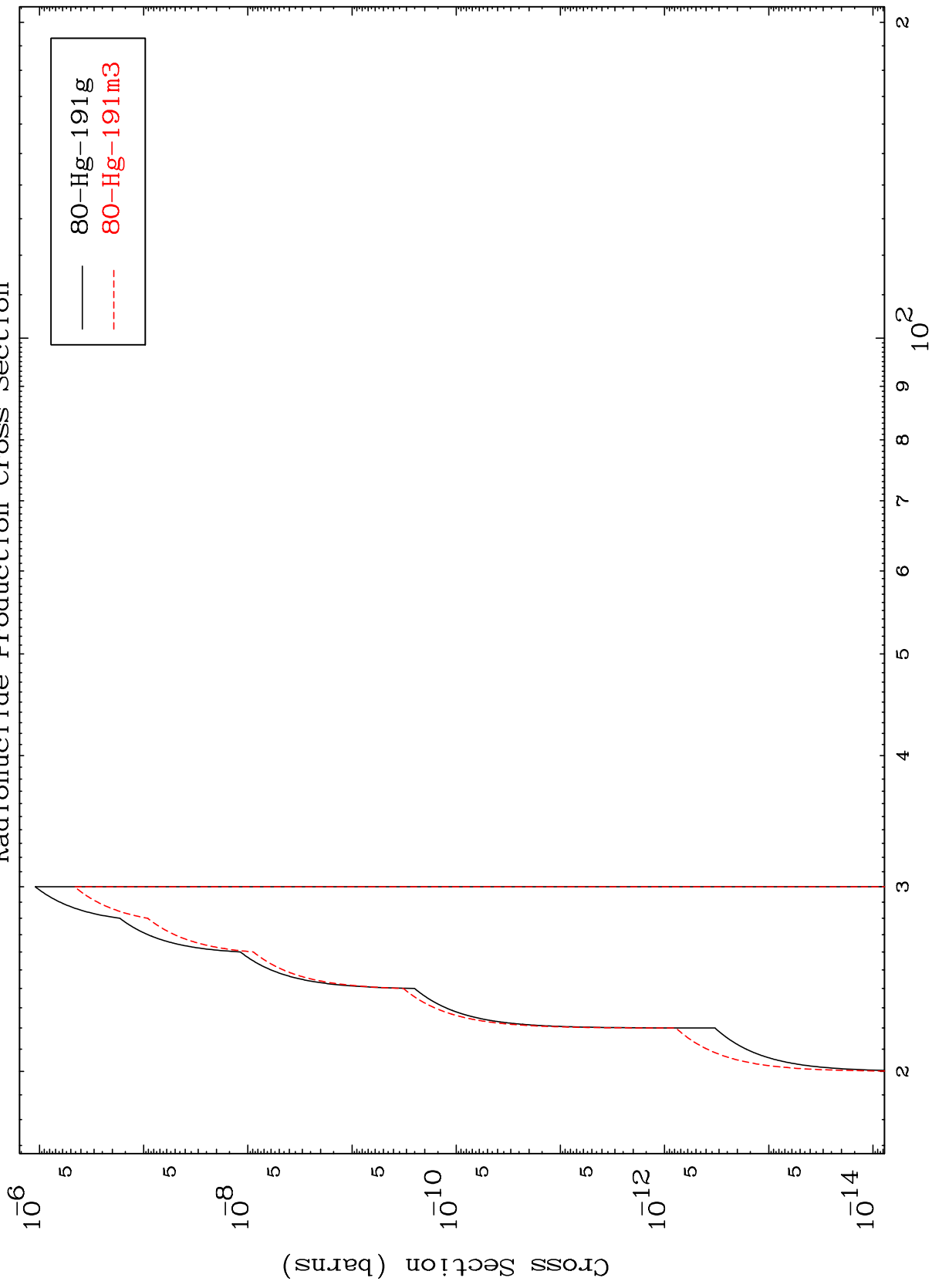
81-Tl-194m

MAT 8099

(n,n') d

81-Tl-194m

Radionuclide Production Cross Section



16

Incident Energy (MeV)

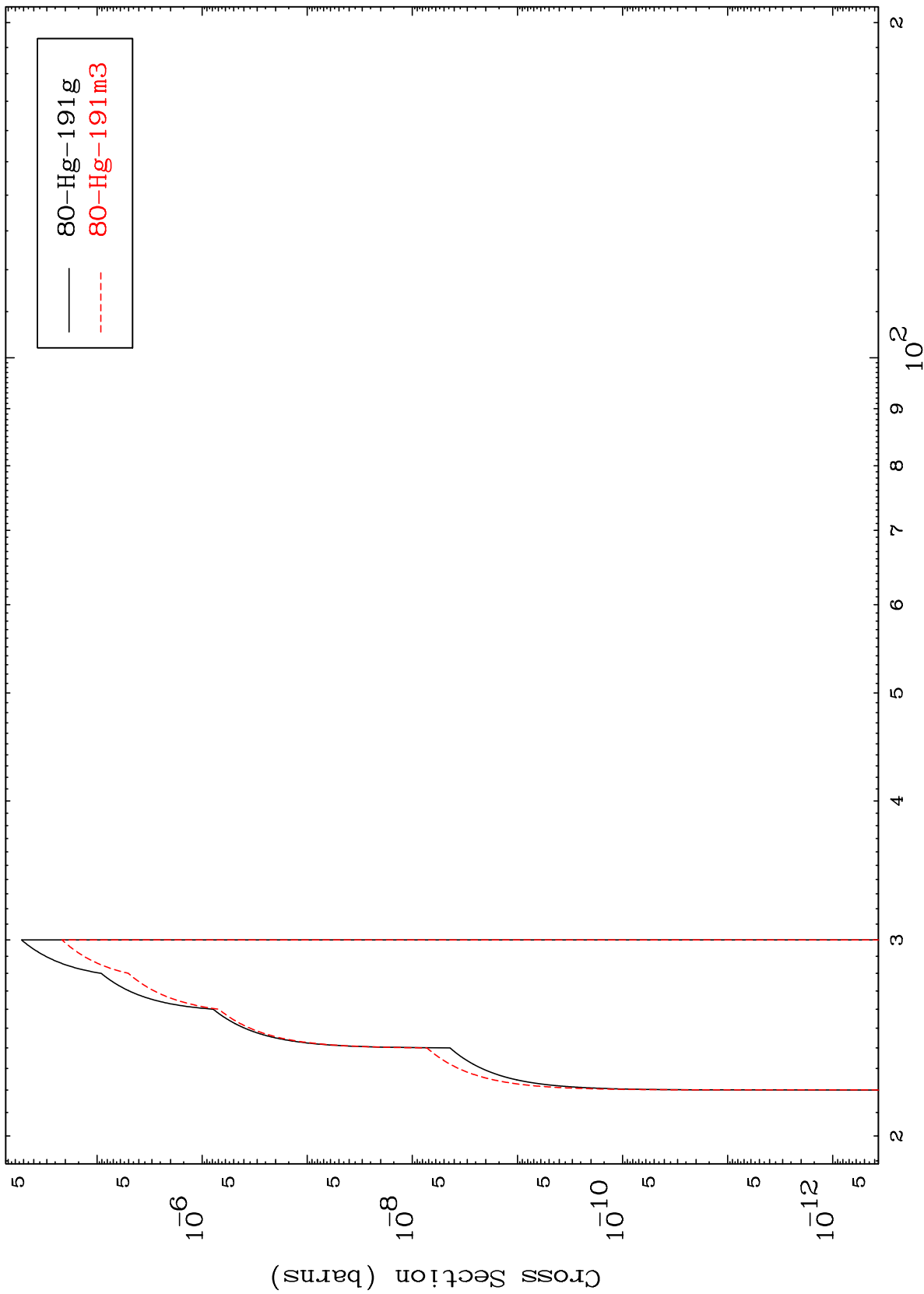
81-Tl-194m

MAT 8099

(n,2n) p

81-TI-194m

Radionuclide Production Cross Section



17

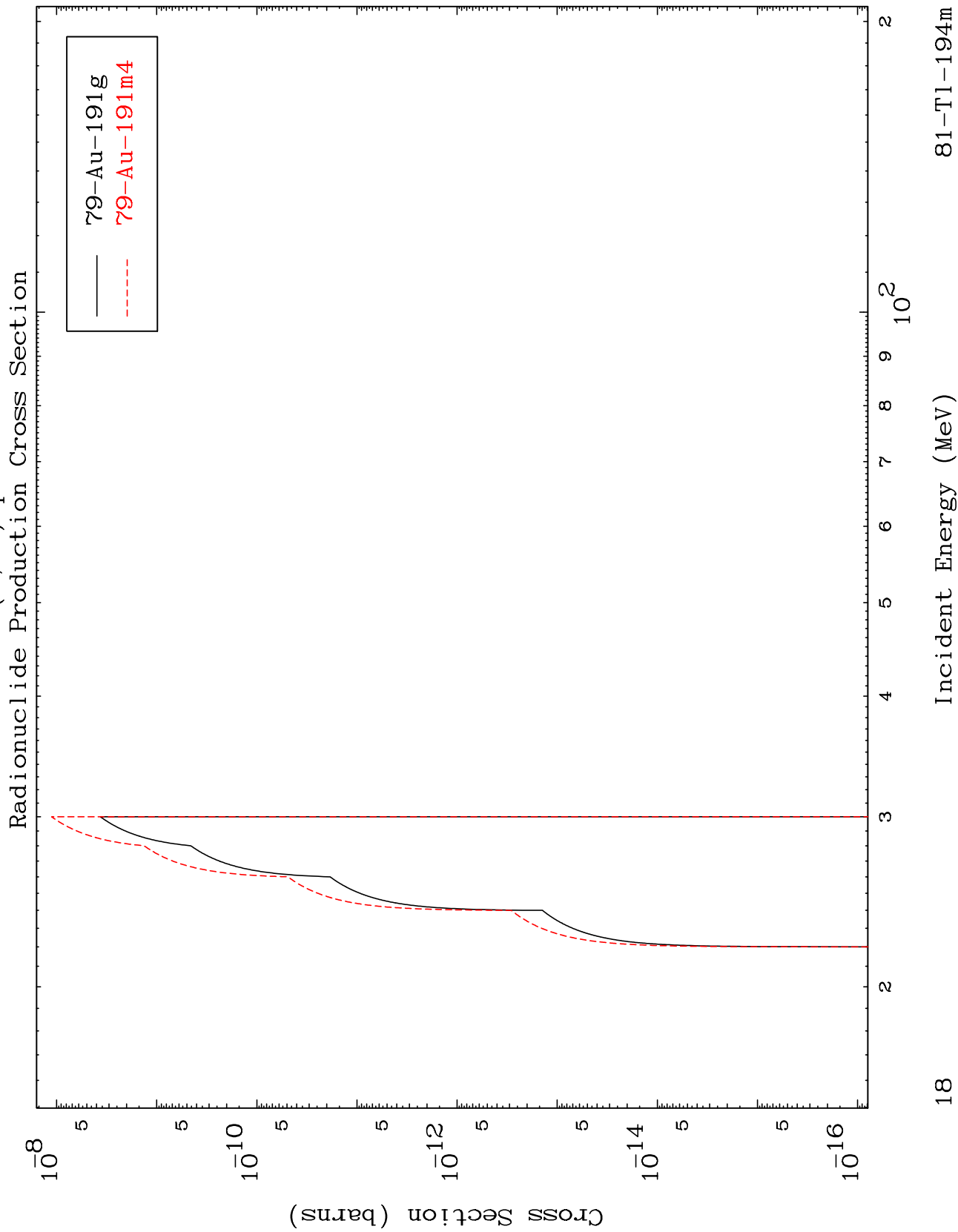
Incident Energy (MeV)

81-TI-194m

MAT 8099

(n,2n) p

81-Tl-194m



18

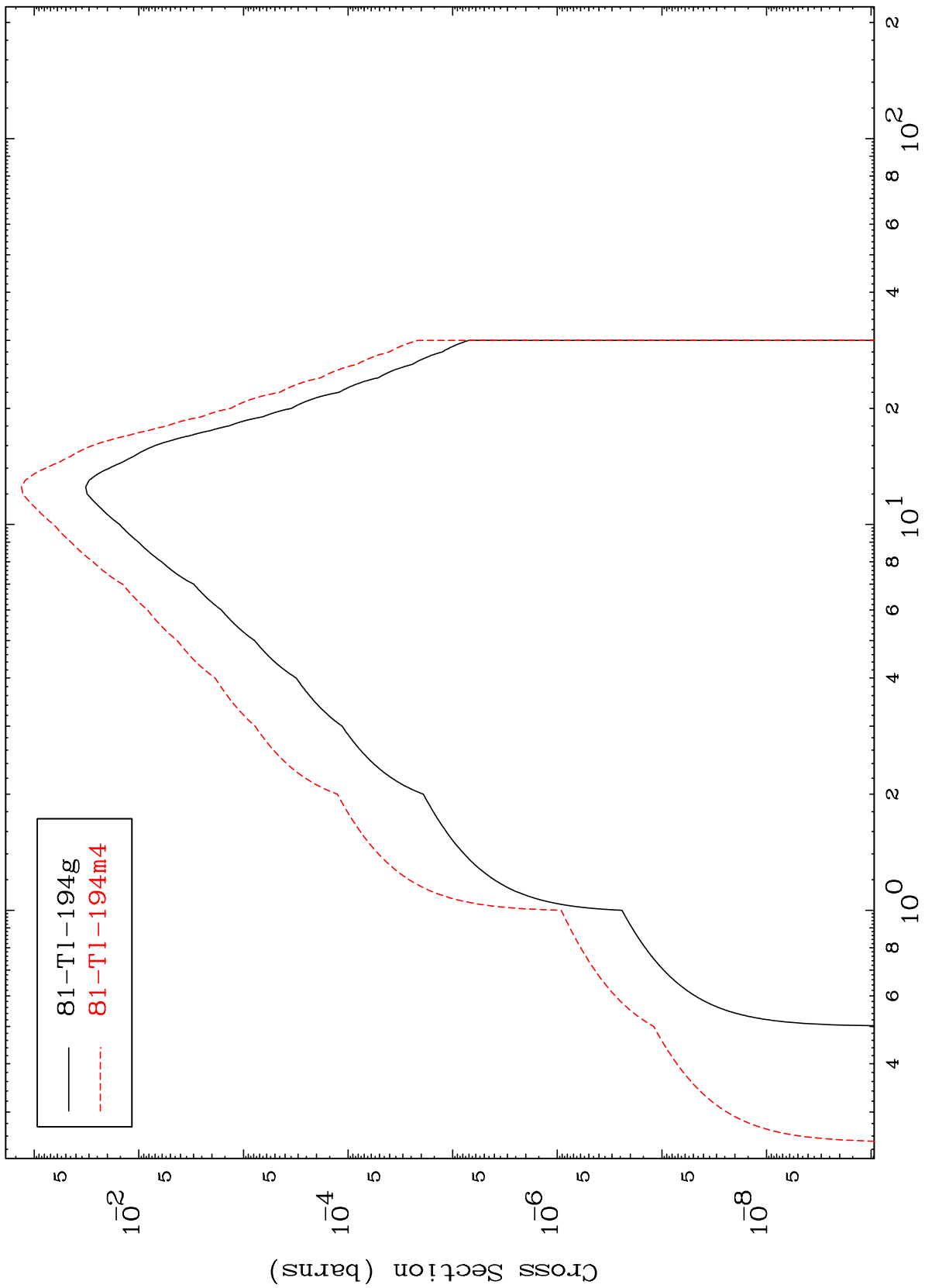
Incident Energy (MeV)

81-Tl-194m

MAT 8099

81-Tl-194m

Radionuclide Production Cross Section



19

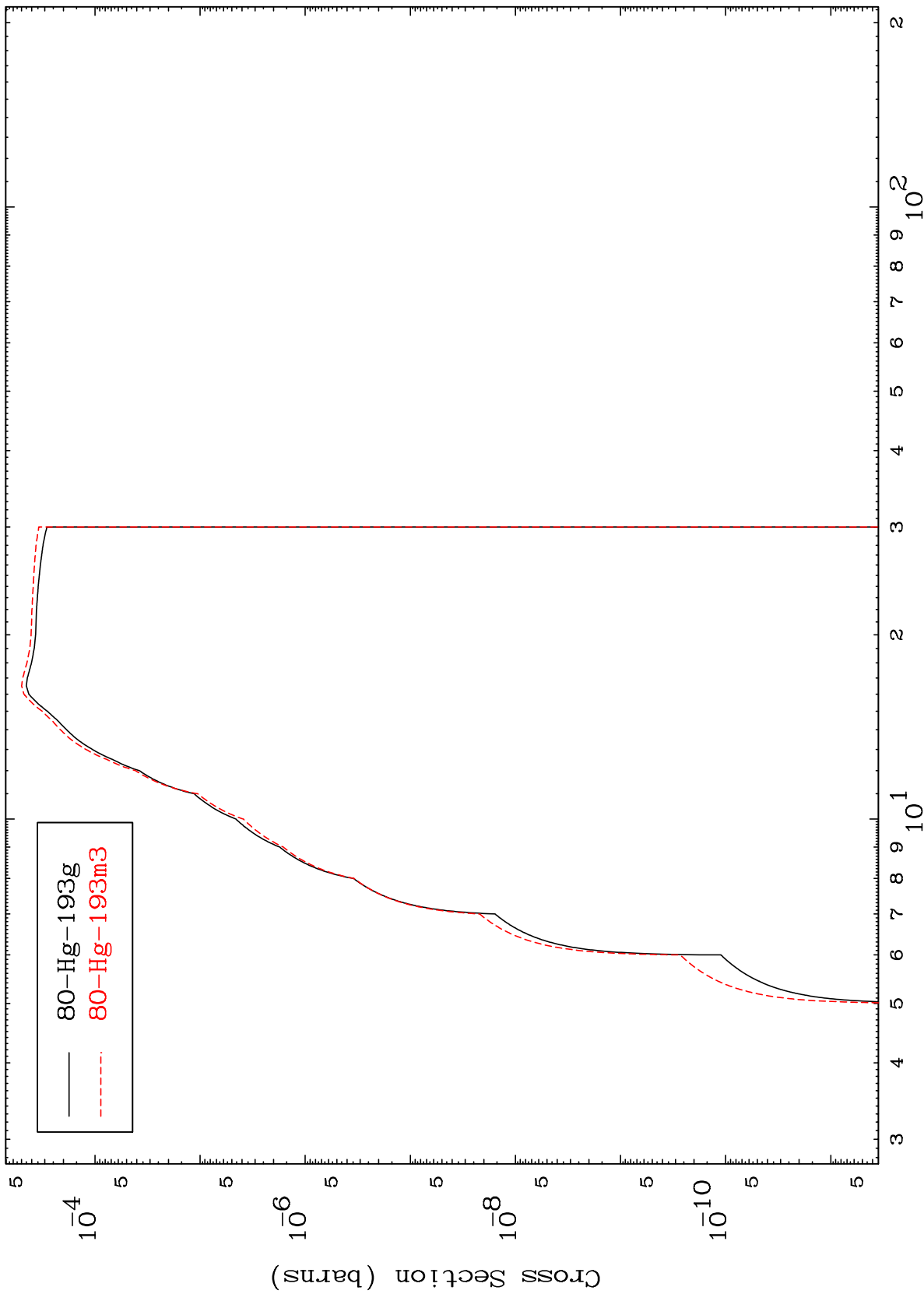
Incident Energy (MeV)

81-Tl-194m

MAT 8099

81-Tl-194m

Radionuclide Production Cross Section (n,p)



81-Tl-194m

Incident Energy (MeV)

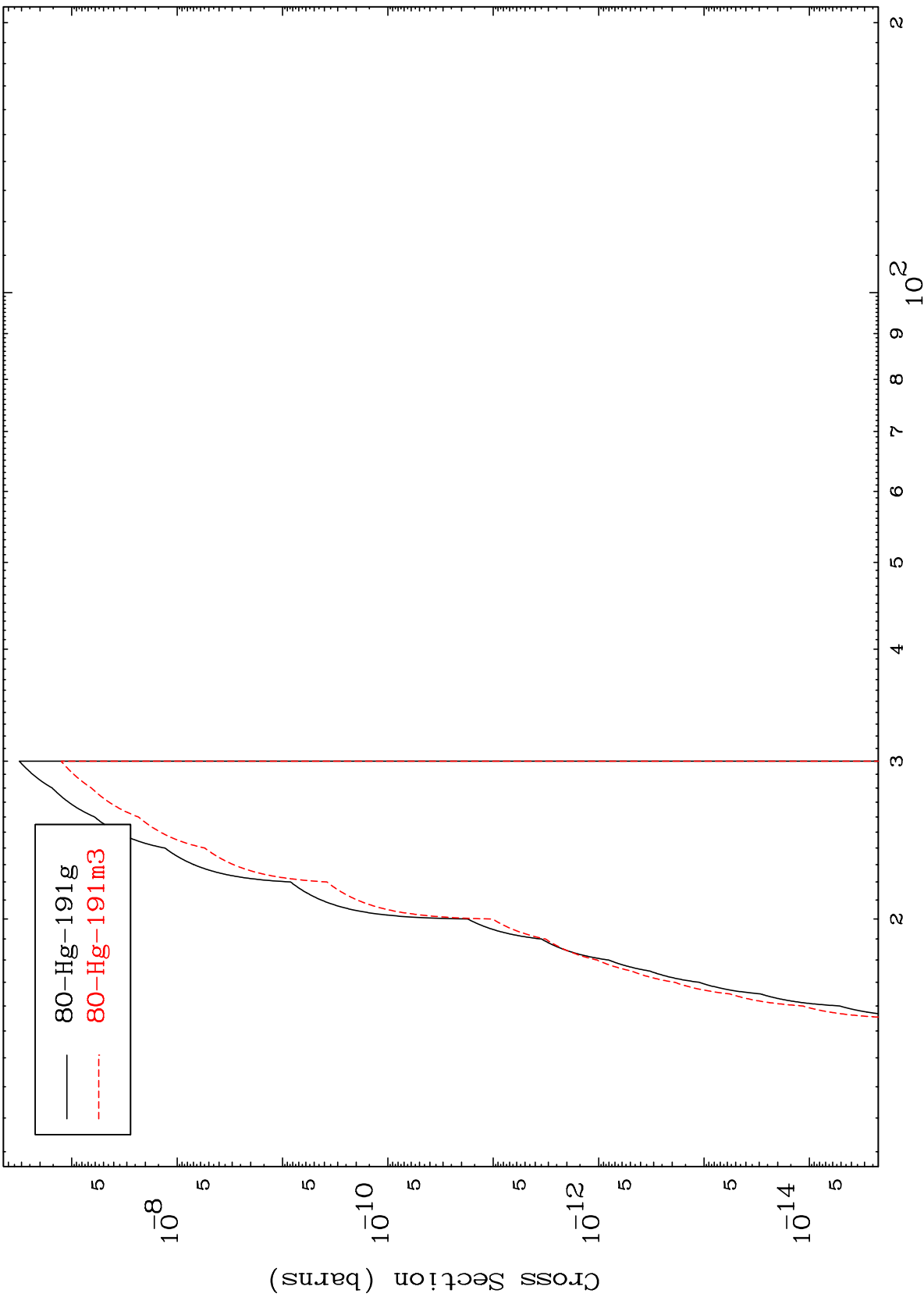
20

MAT 8099

(n, t)

81-Tl-194m

Radionuclide Production Cross Section

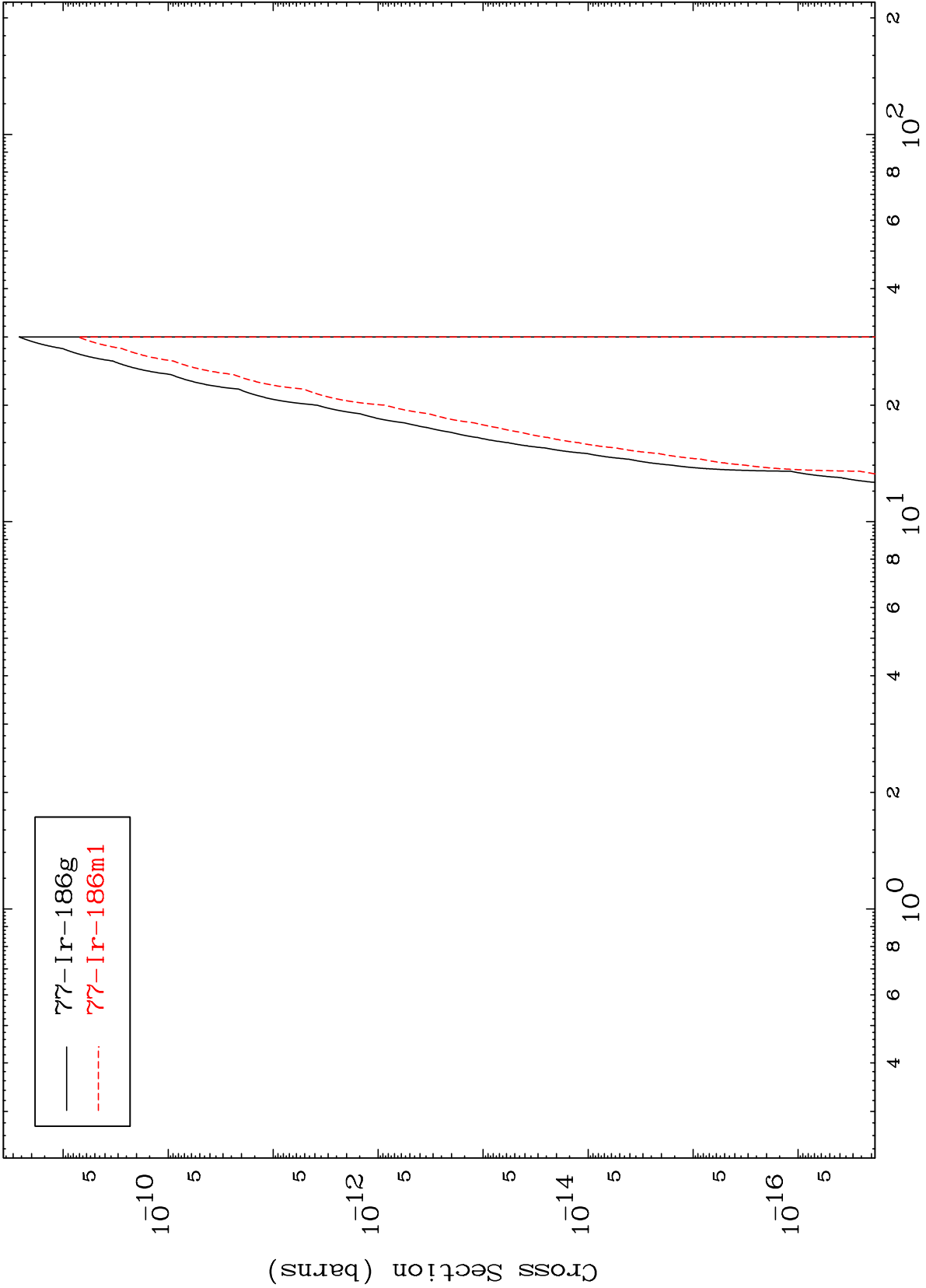


MAT 8099

(n,2α)

81-Tl-194m

Radionuclide Production Cross Section

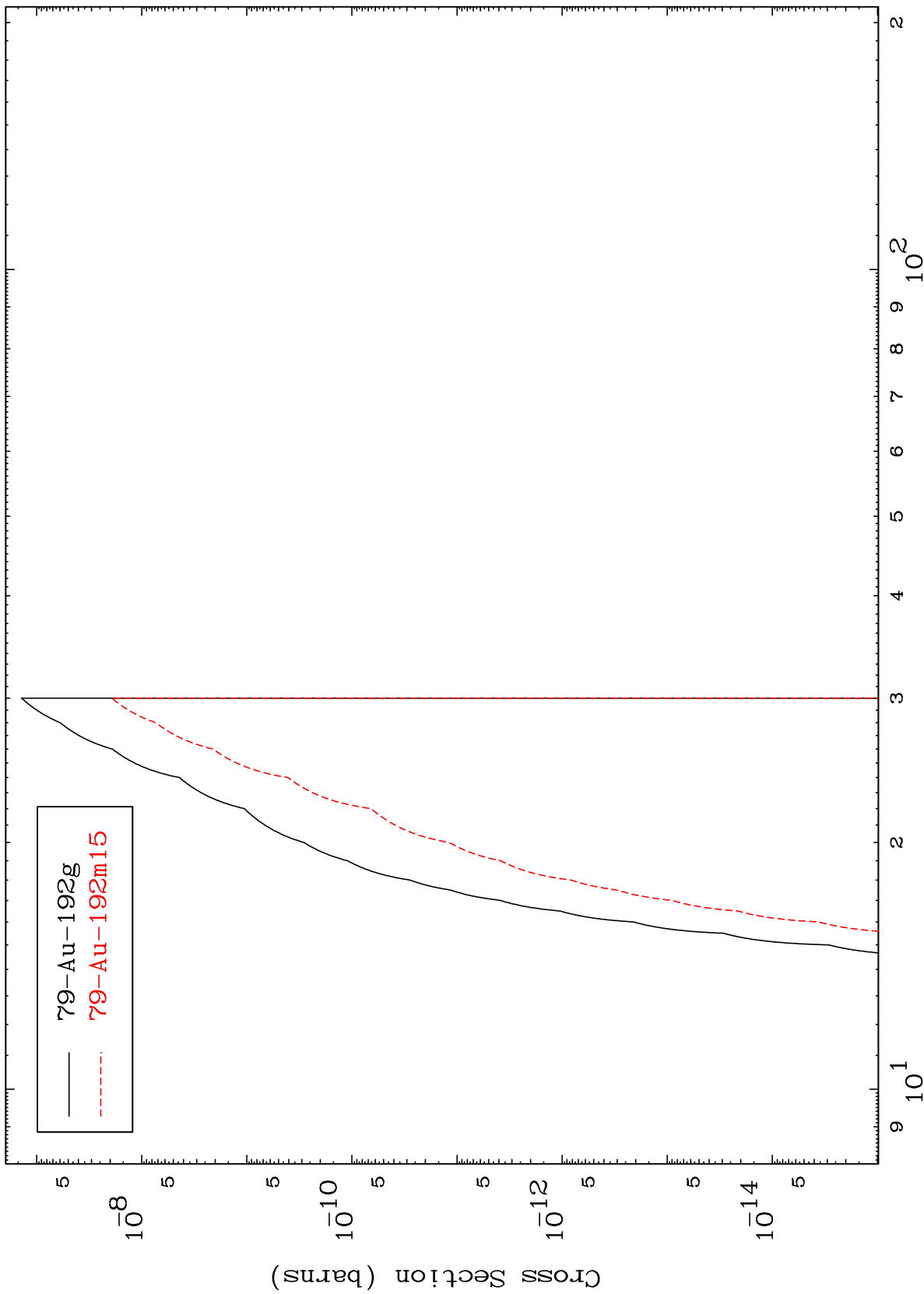


—  $^{77}\text{Ir-186g}$   
- - -  $^{77}\text{Ir-186m1}$

MAT 8099

81-Tl-194m

(n,2p)  
Radionuclide Production Cross Section



Incident Energy (MeV)

81-Tl-194m

23