

Program EVALPLOT  
(Version 2021-1)

by

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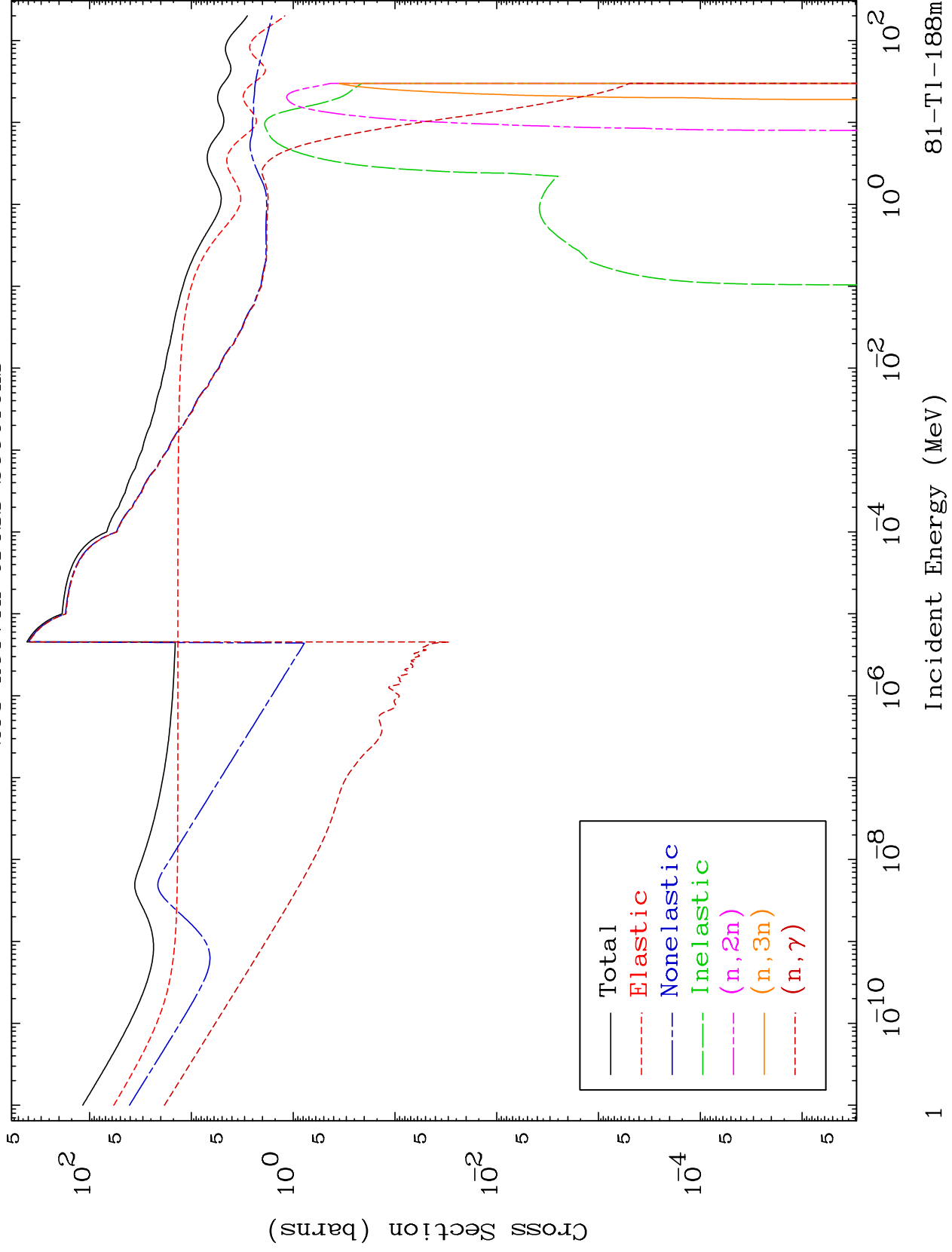
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8081

Neutron Major  
293 Kelvin Cross Sections

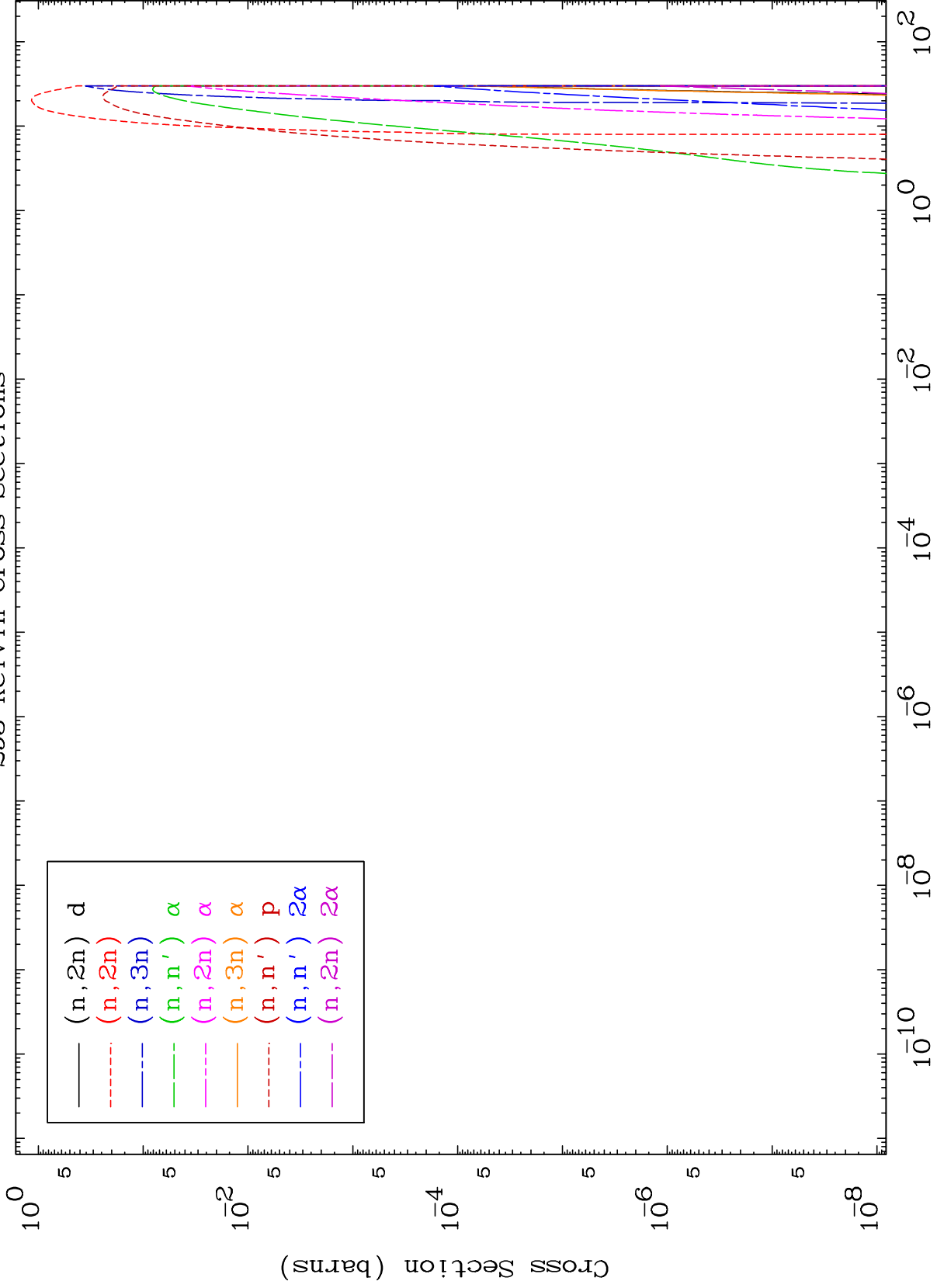
81-TI-188m



MAT 8081

Neutron Absorption  
293 Kelvin Cross Sections

81-Tl-188m



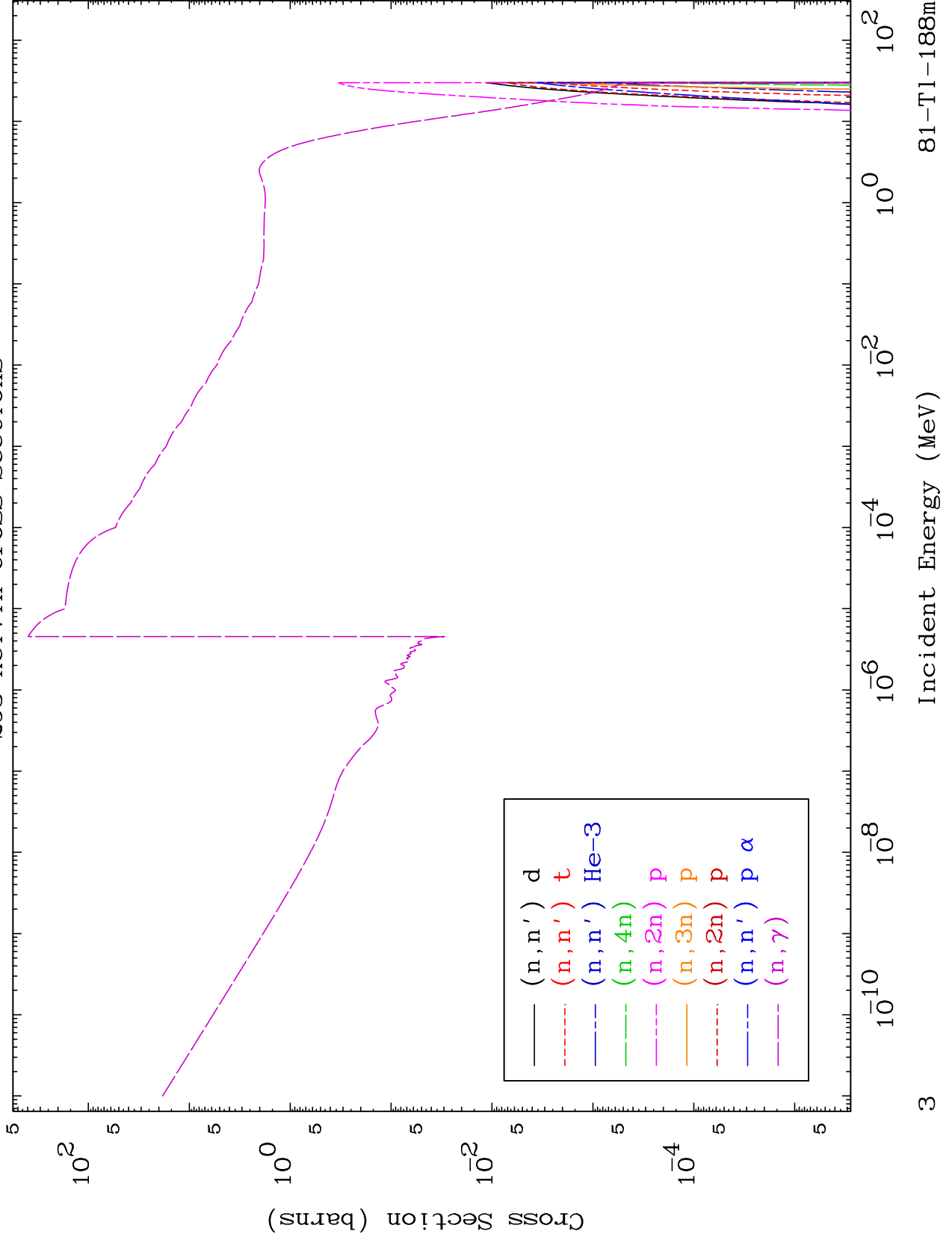
81-Tl-188m

Incident Energy (MeV)

MAT 8081

Neutron Absorption  
293 Kelvin Cross Sections

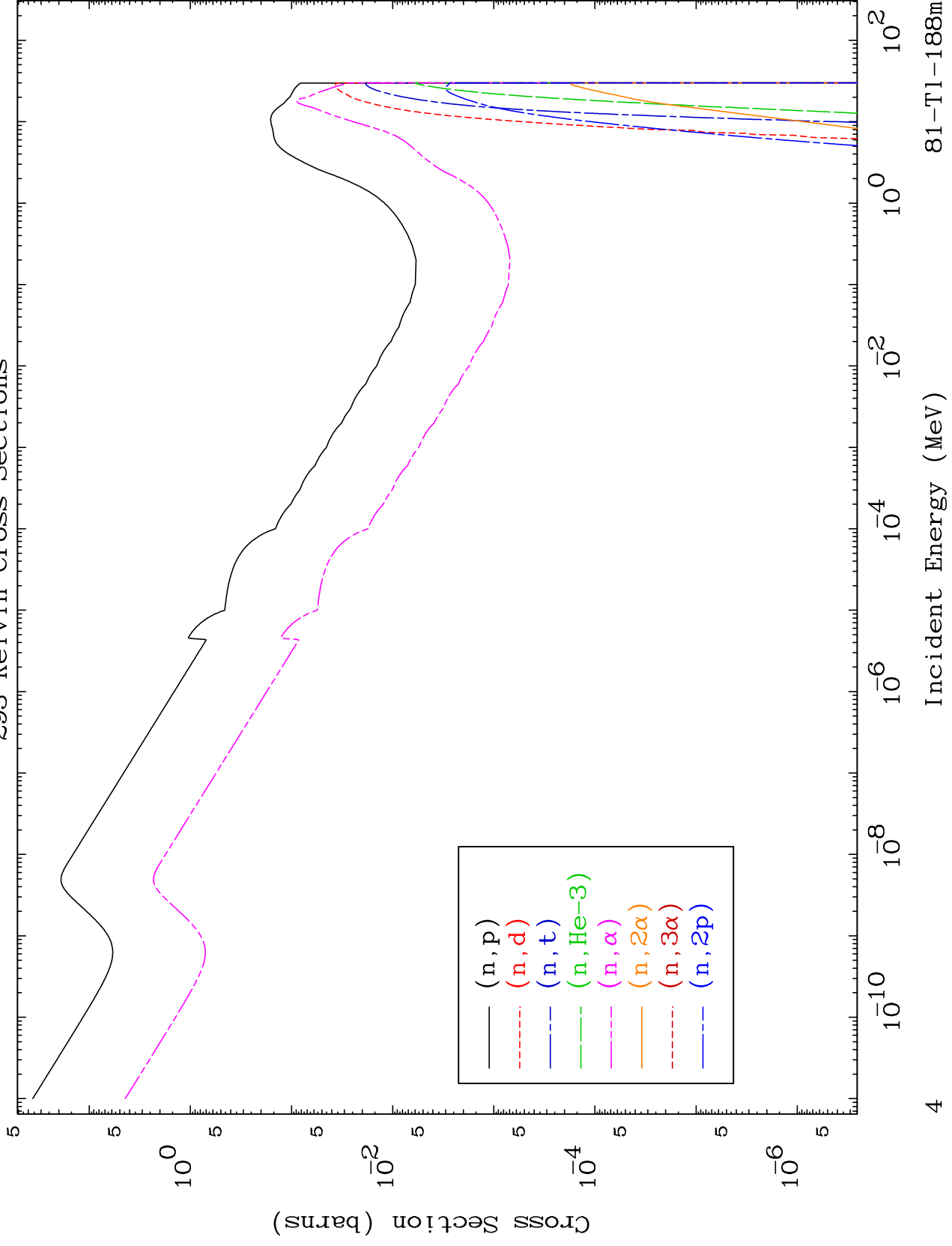
81-Tl-188m



MAT 8081

Neutron Absorption  
293 Kelvin Cross Sections

81-Tl-188m

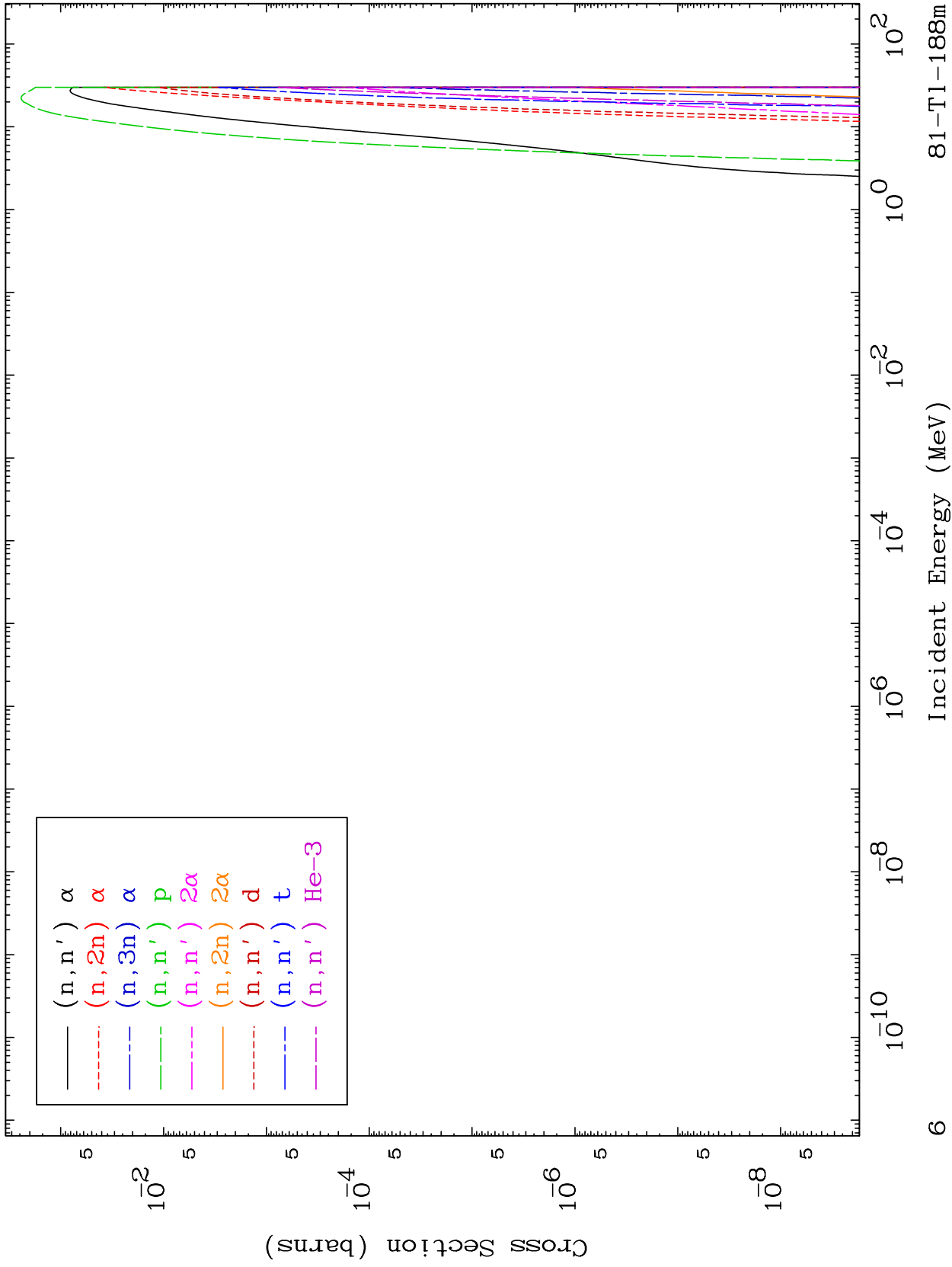




MAT 8081

Charged Particle  
293 Kelvin Cross Sections

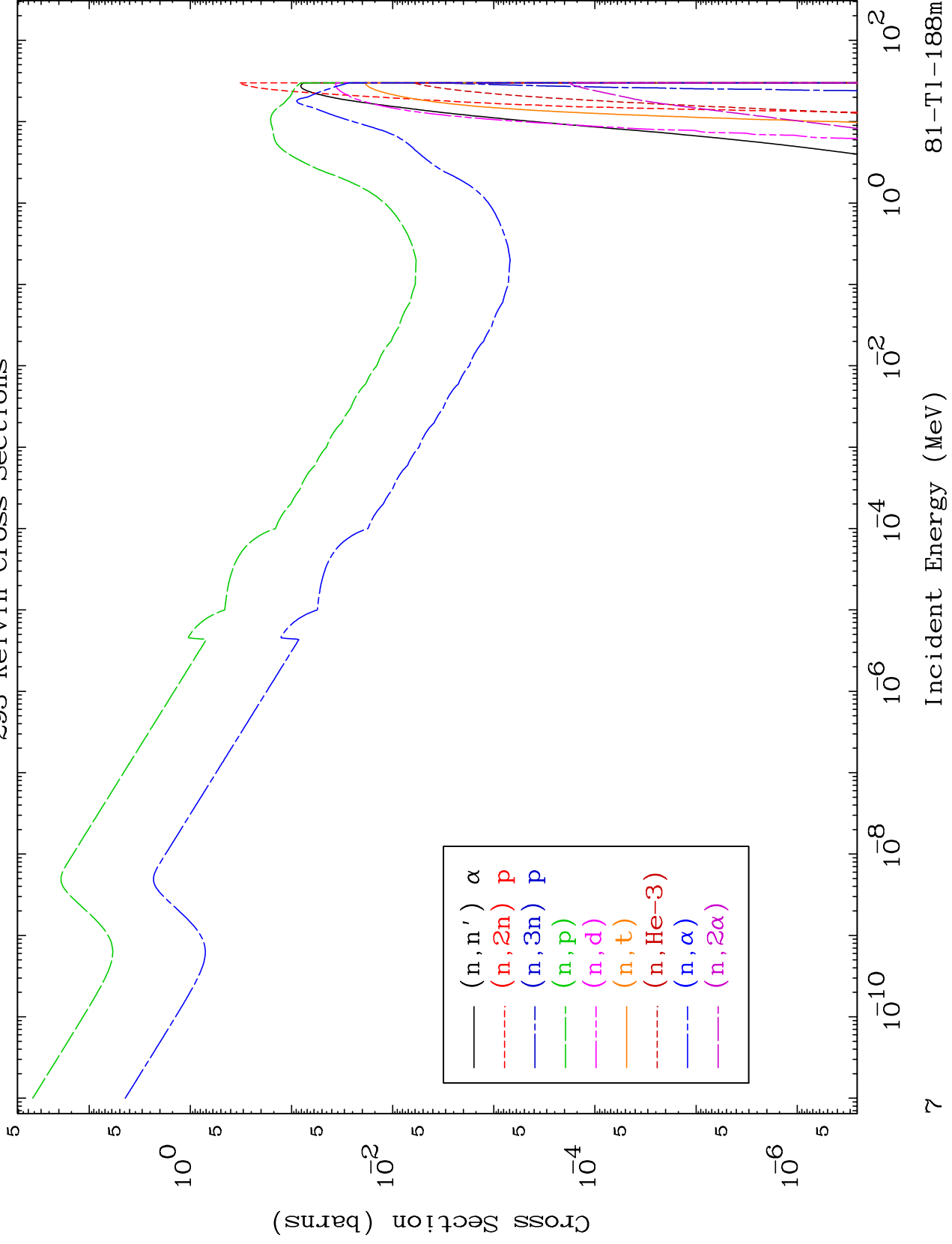
81-Tl-188m



MAT 8081

Charged Particle  
293 Kelvin Cross Sections

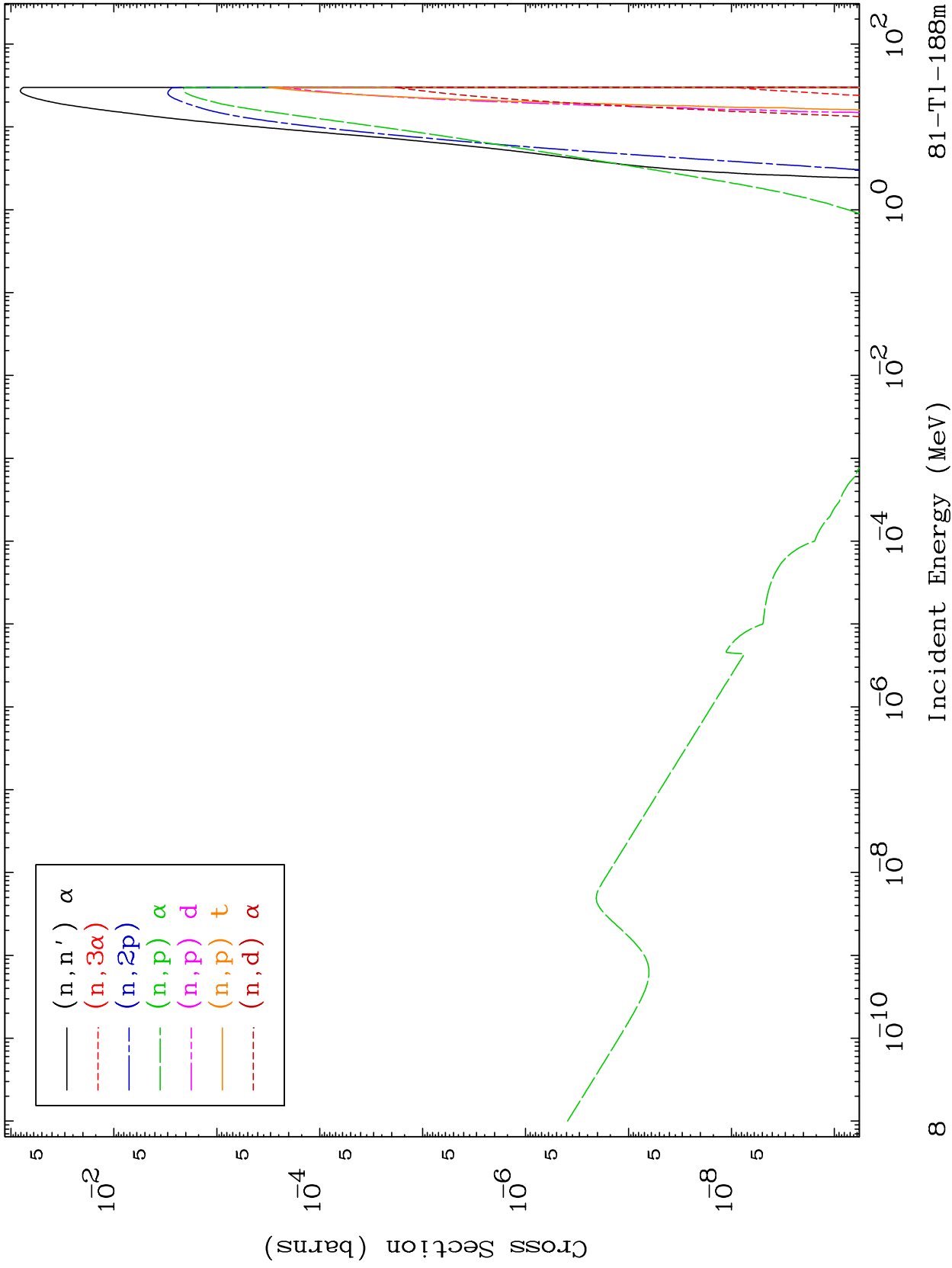
81-Tl-188m



MAT 8081

Charged Particle  
293 Kelvin Cross Sections

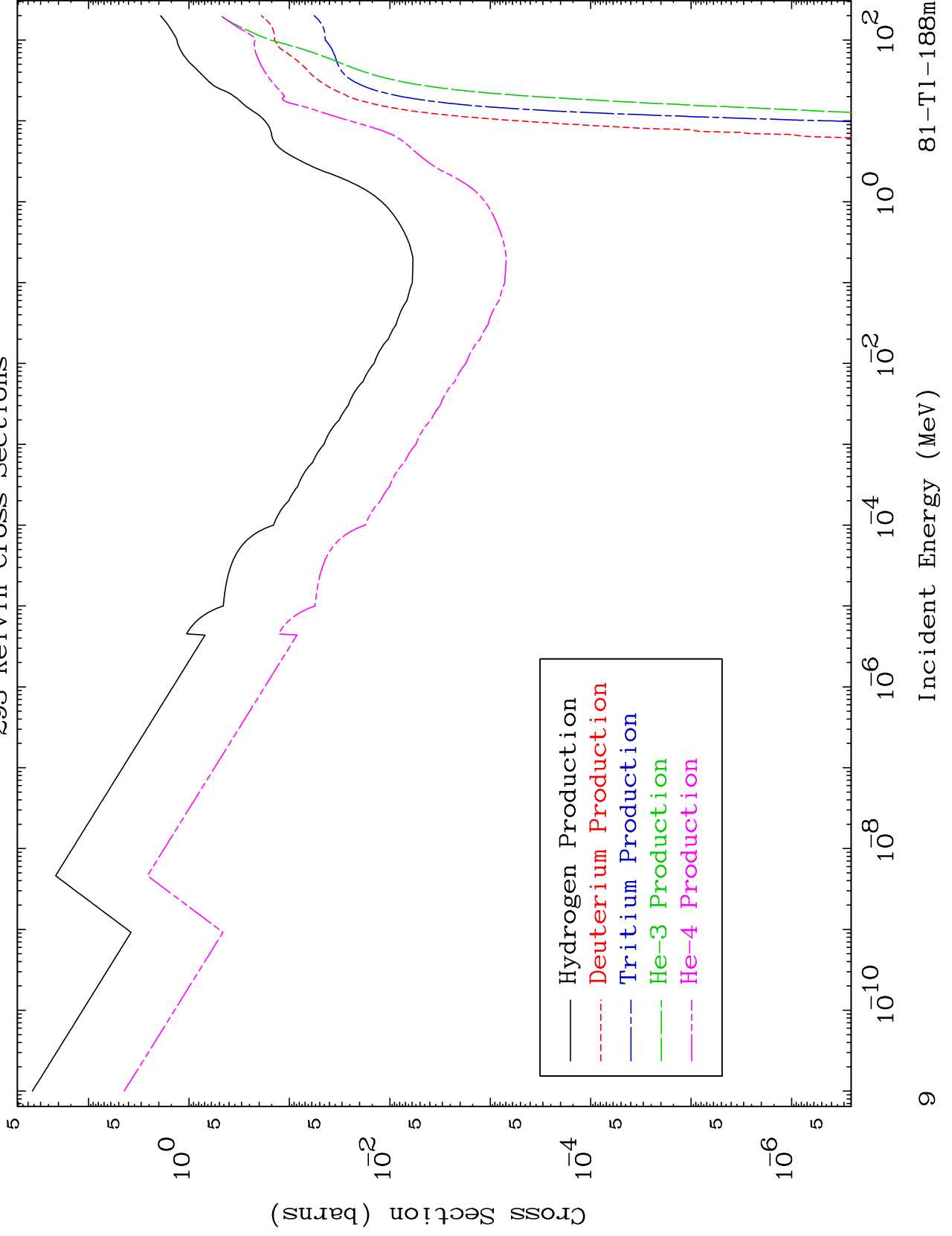
81-Tl-188m



MAT 8081

Particle Production  
293 Kelvin Cross Sections

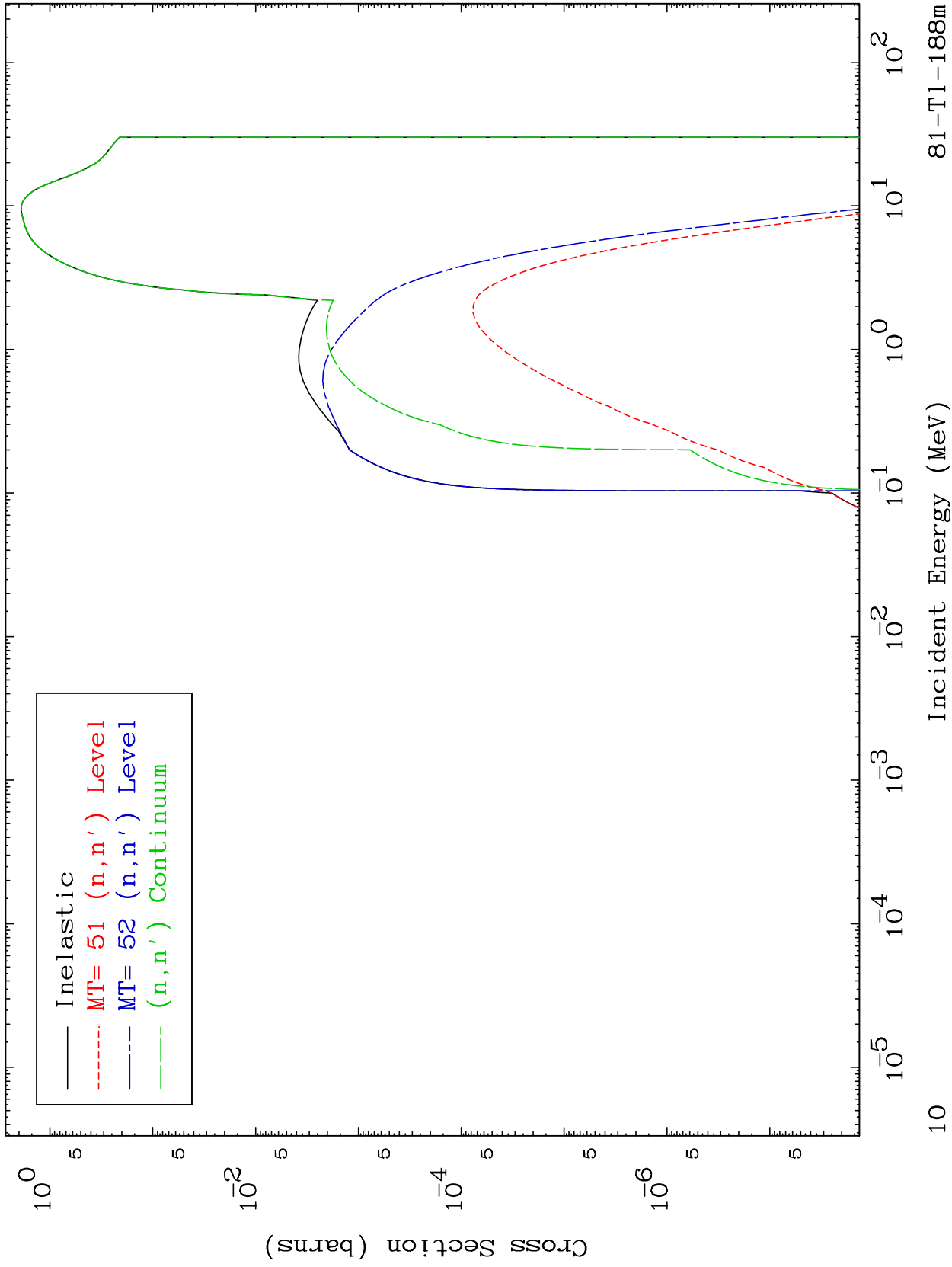
81-Tl-188m



MAT 8081

(n,n') Levels  
293 Kelvin Cross Sections

81-Tl-188m



10

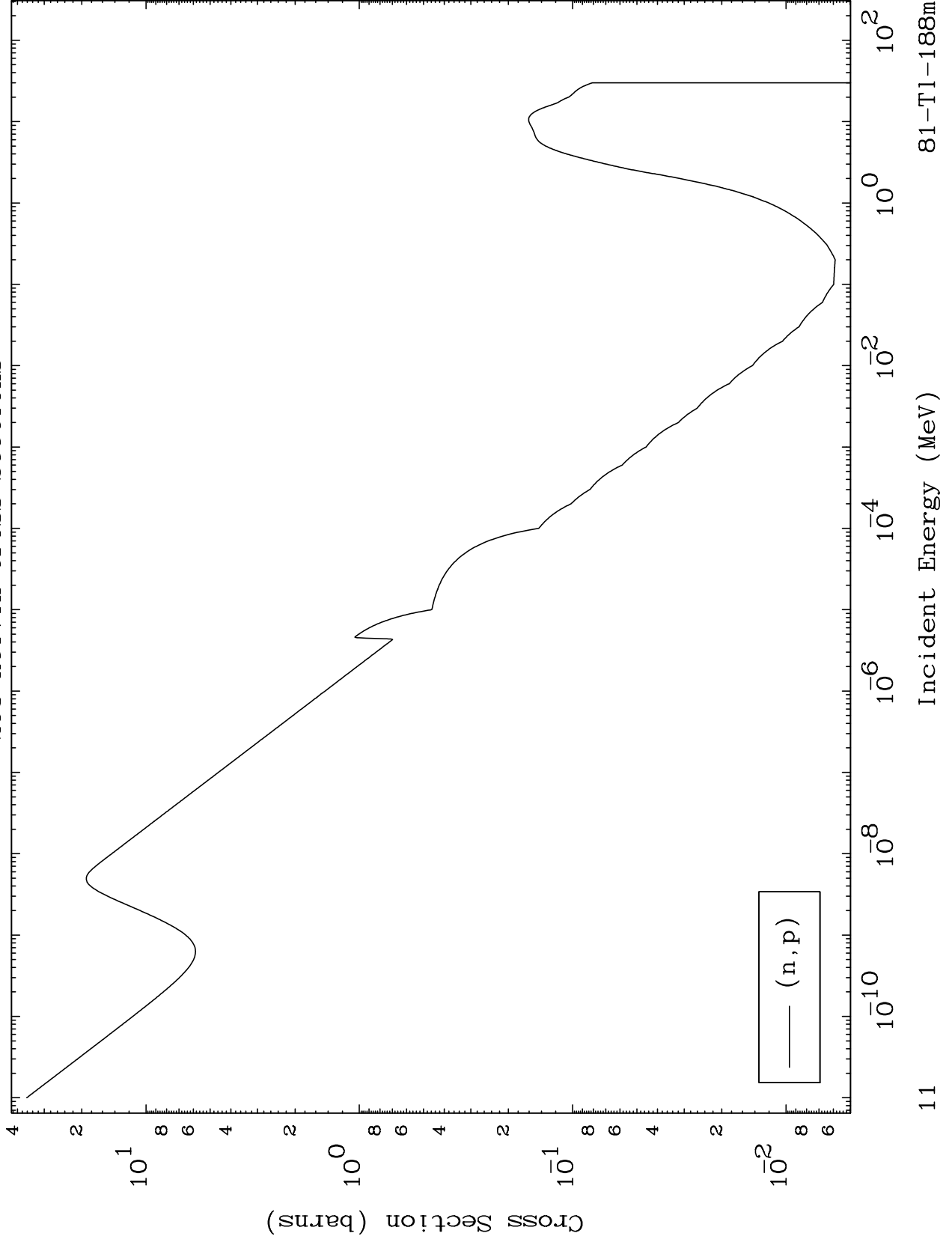
Incident Energy (MeV)

81-Tl-188m

MAT 8081

(n,p) Levels  
293 Kelvin Cross Sections

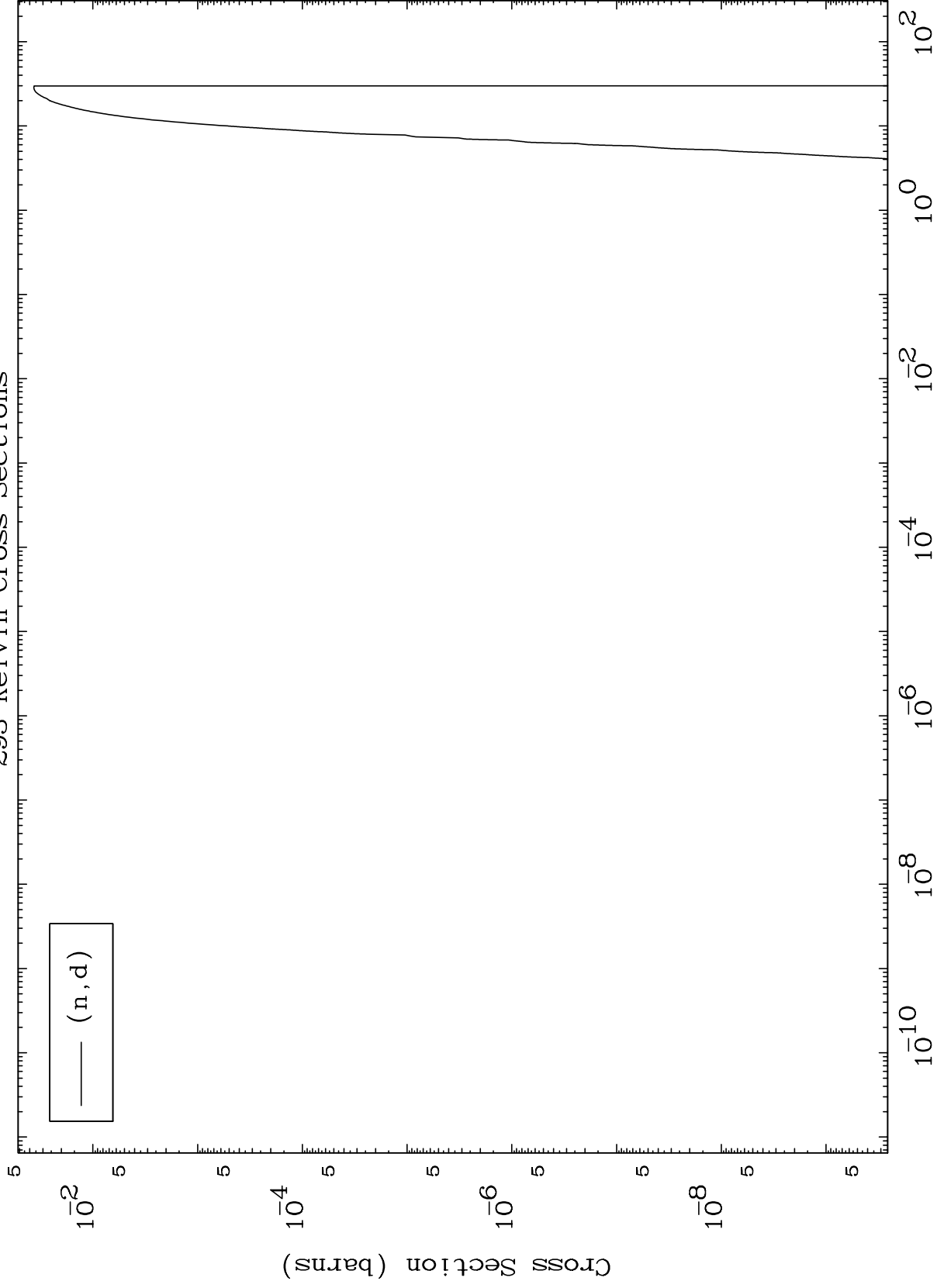
81-Tl-188m



MAT 8081

(n,d) Levels  
293 Kelvin Cross Sections

81-Tl-188m

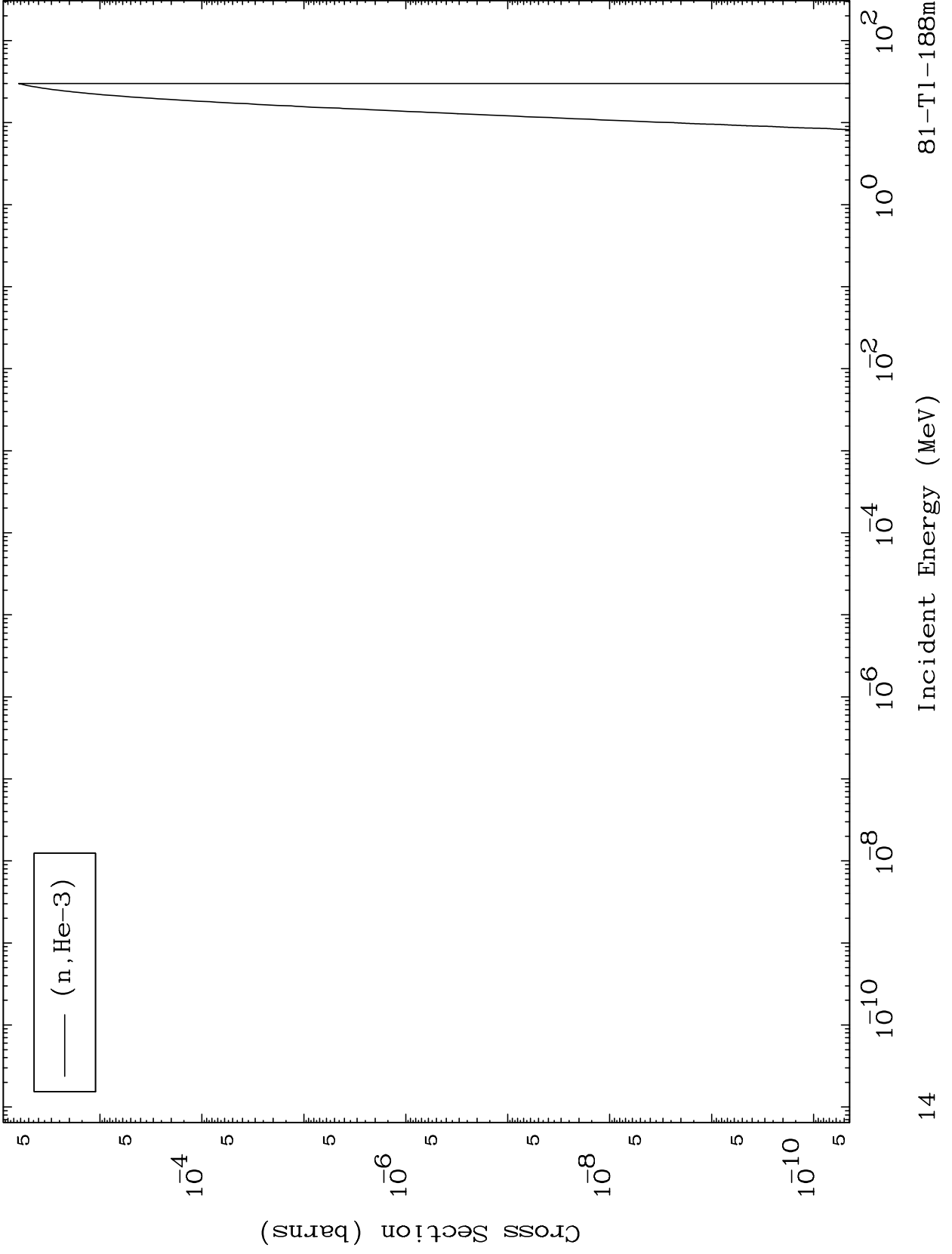




MAT 8081

(n,He3) Levels  
293 Kelvin Cross Sections

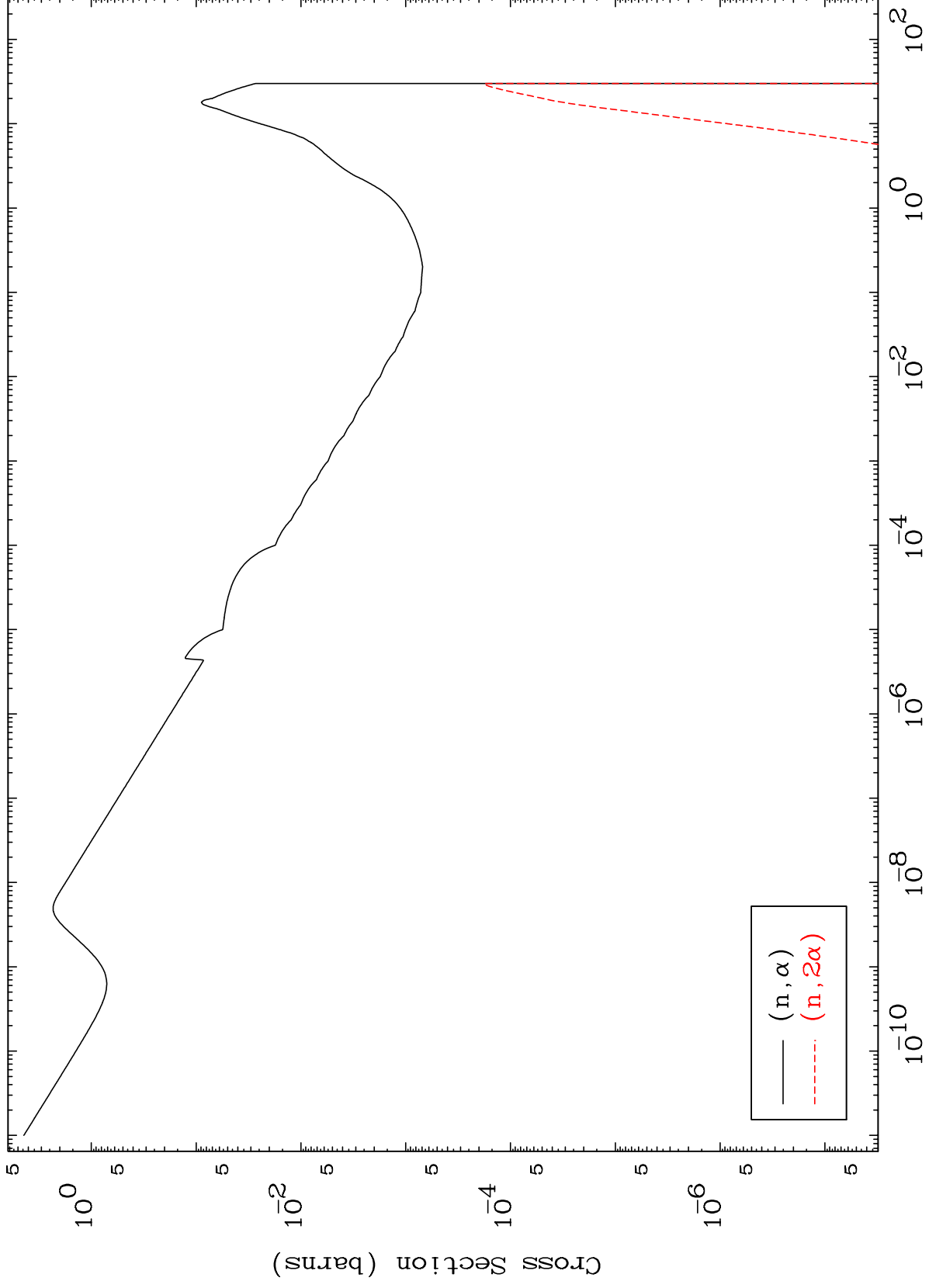
81-Tl-188m



MAT 8081

(n,α) Levels  
293 Kelvin Cross Sections

81-Tl-188m



15

Incident Energy (MeV)

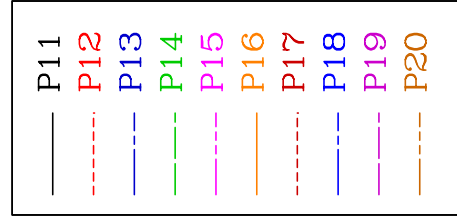
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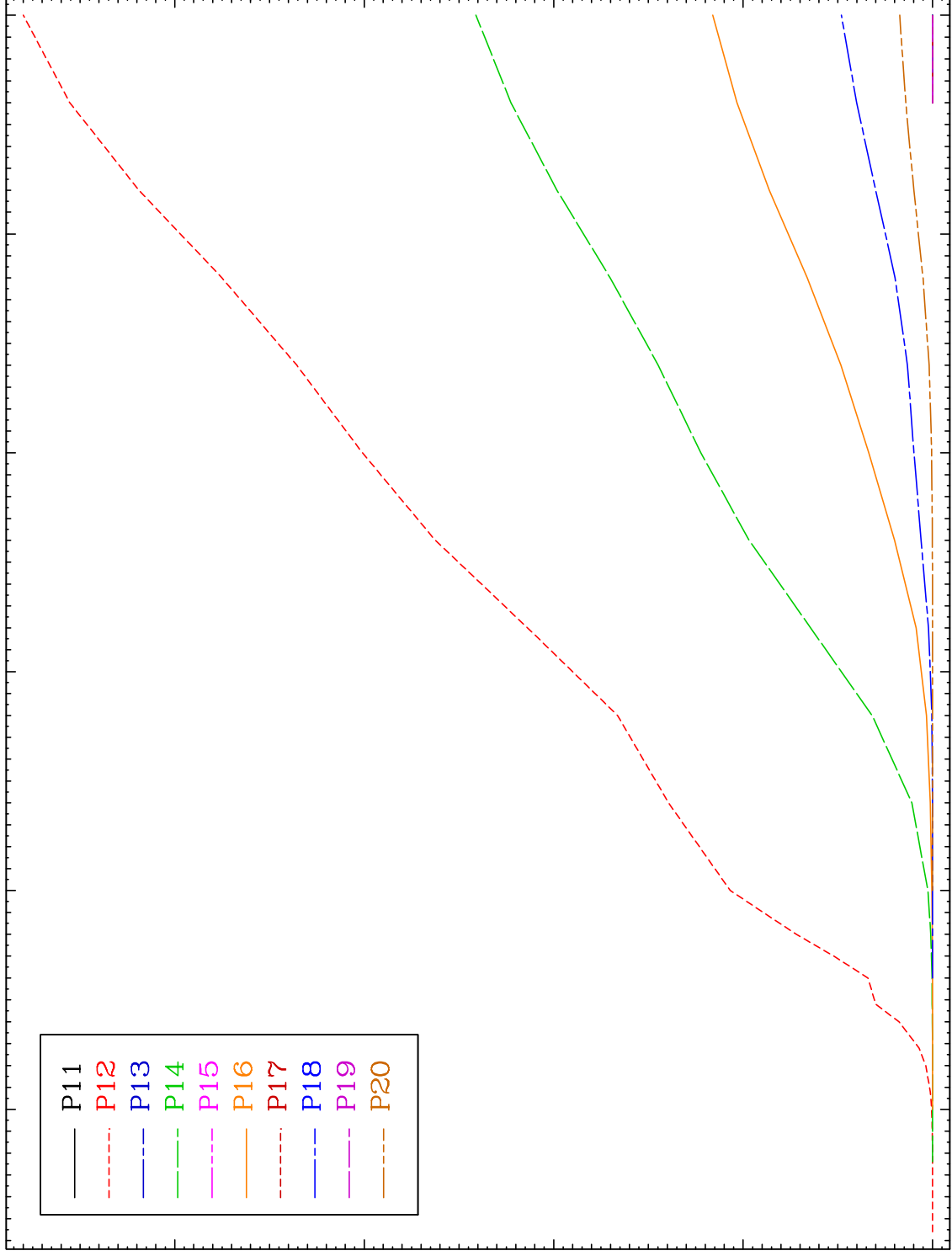
MAT 8081

Elastic  
Legendre Coefficients

81-Tl-188m



Legendre (CM)  
 $\times 10^{-4}$



17

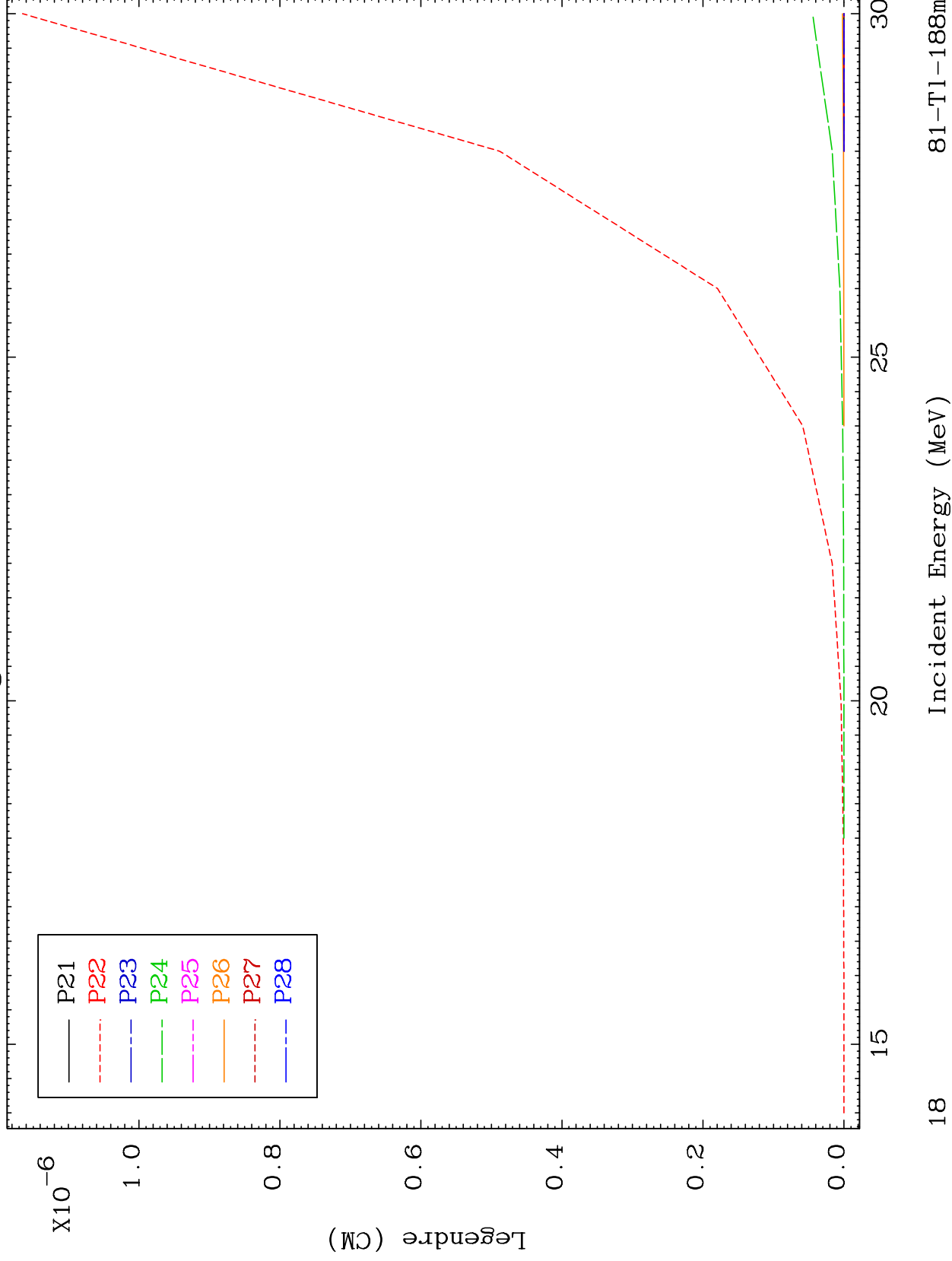
Incident Energy (MeV)

81-Tl-188m

MAT 8081

Elastic  
Legendre Coefficients

81-Tl-188m



18

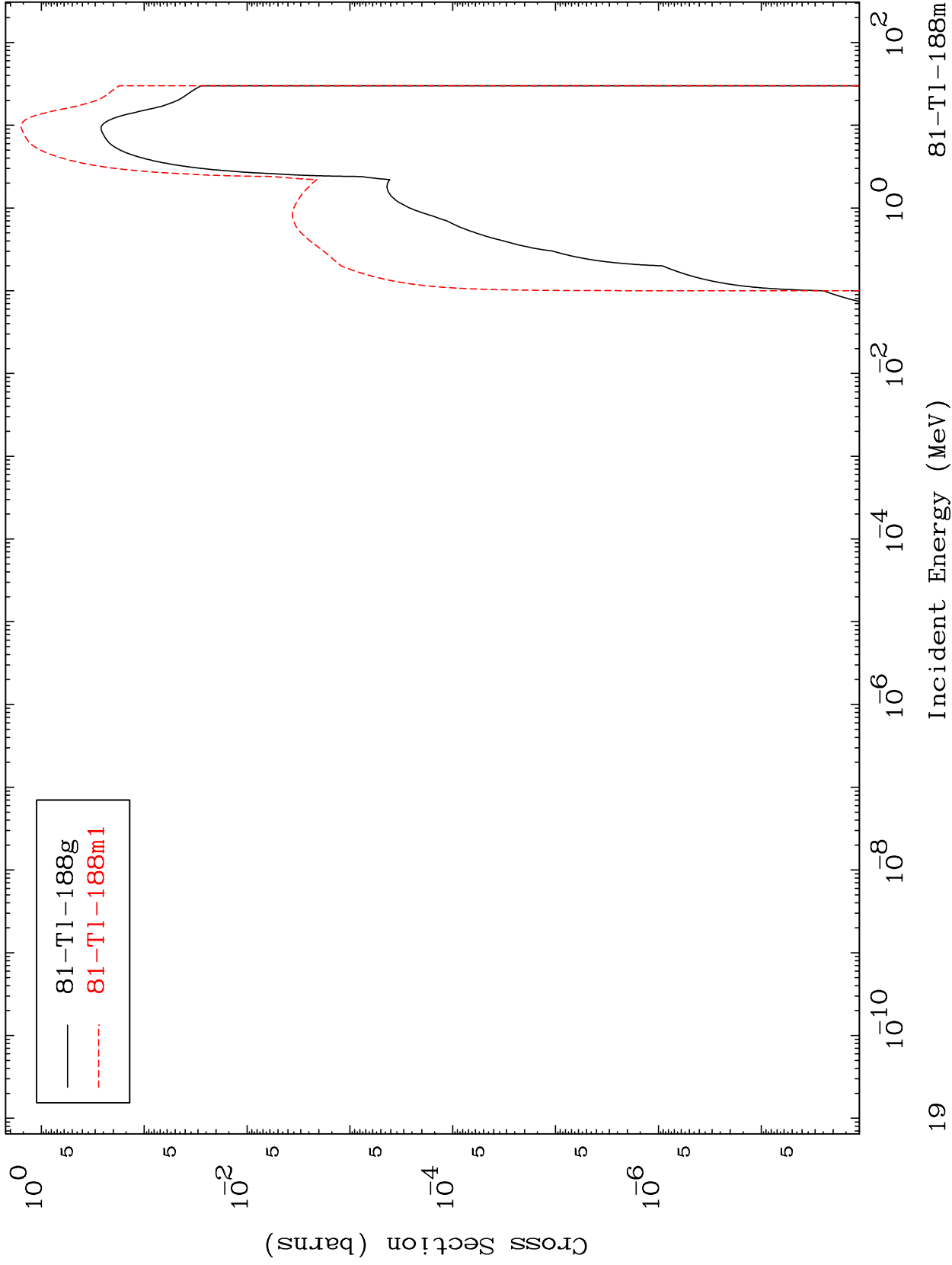
Incident Energy (MeV)

81-Tl-188m

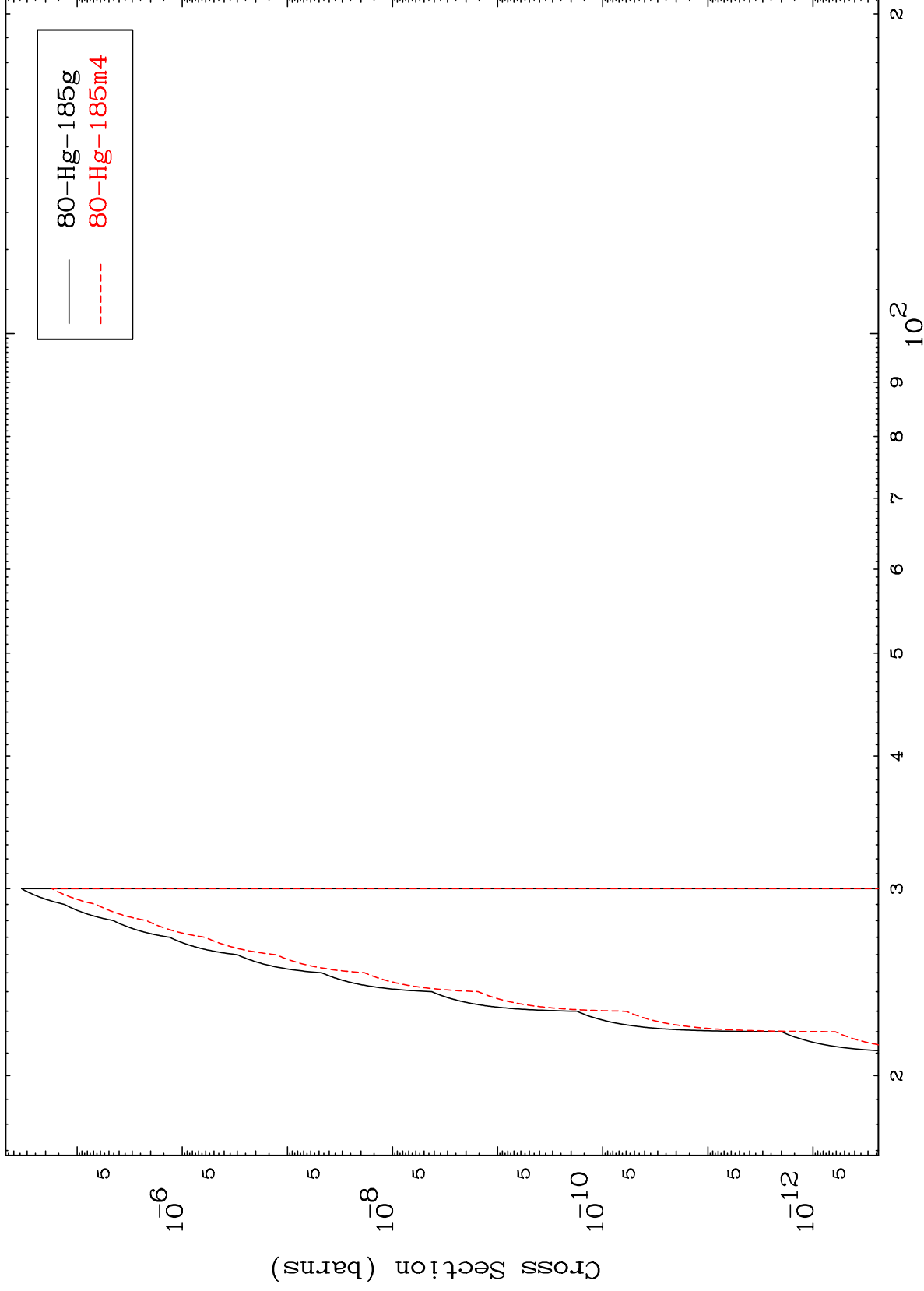
MAT 8081

Inelastic  
Radionuclide Production Cross Section

81-Tl-188m



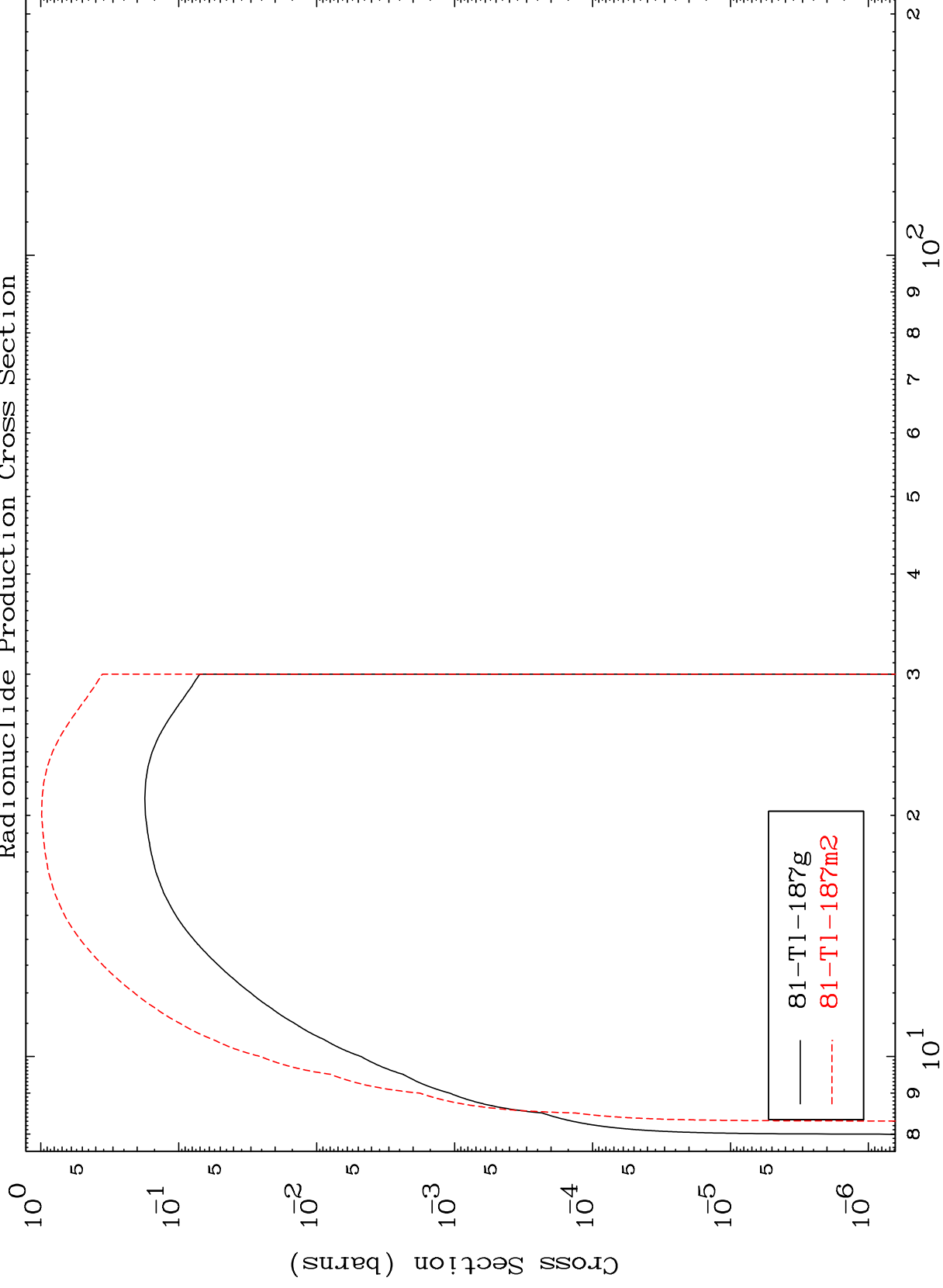
Radionuclide Production Cross Section



MAT 8081

81-Tl-188m

Radionuclide Production Cross Section  
(n,2n)

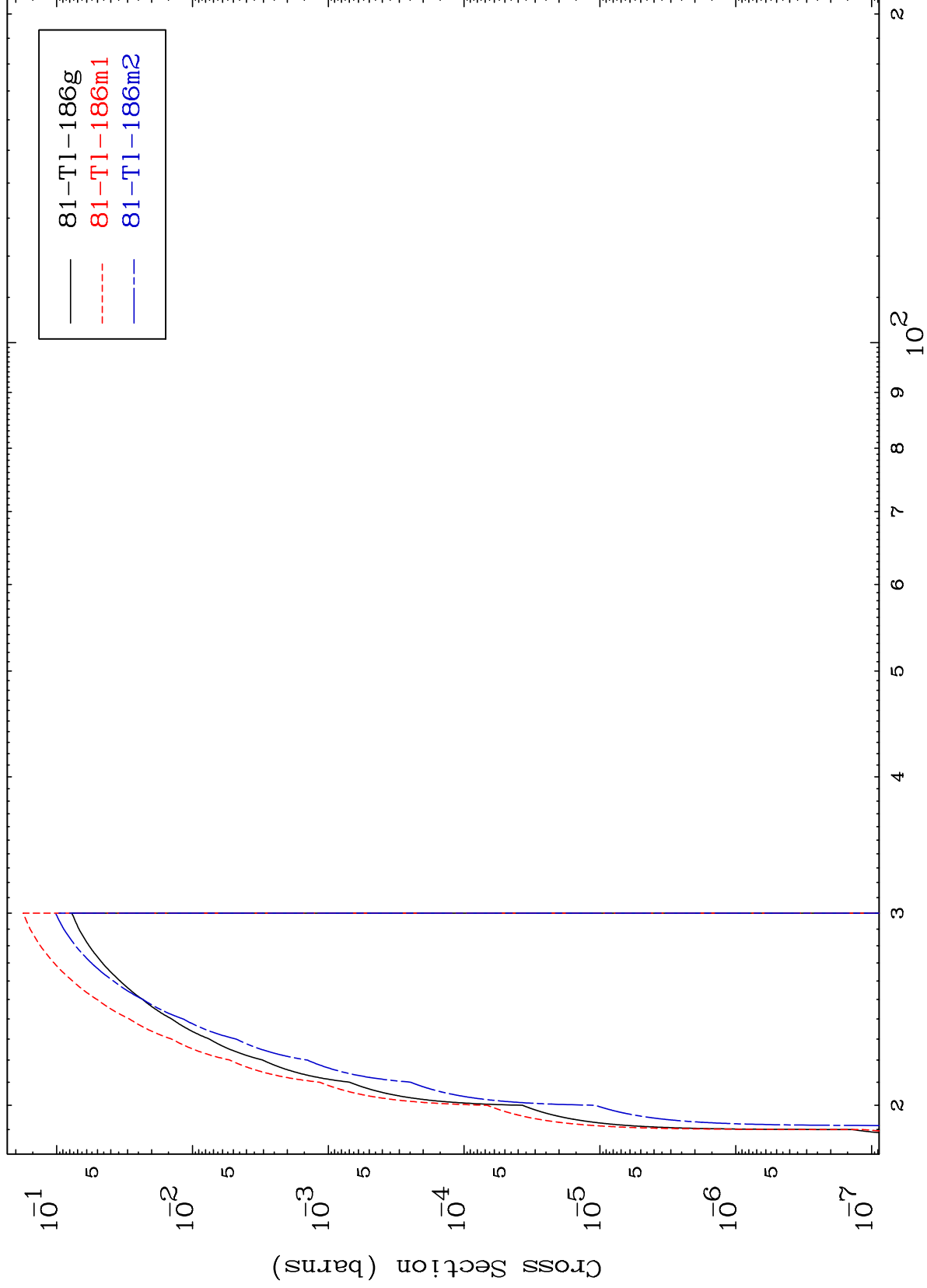


81-Tl-188m

Incident Energy (MeV)

21

Radionuclide Production Cross Section

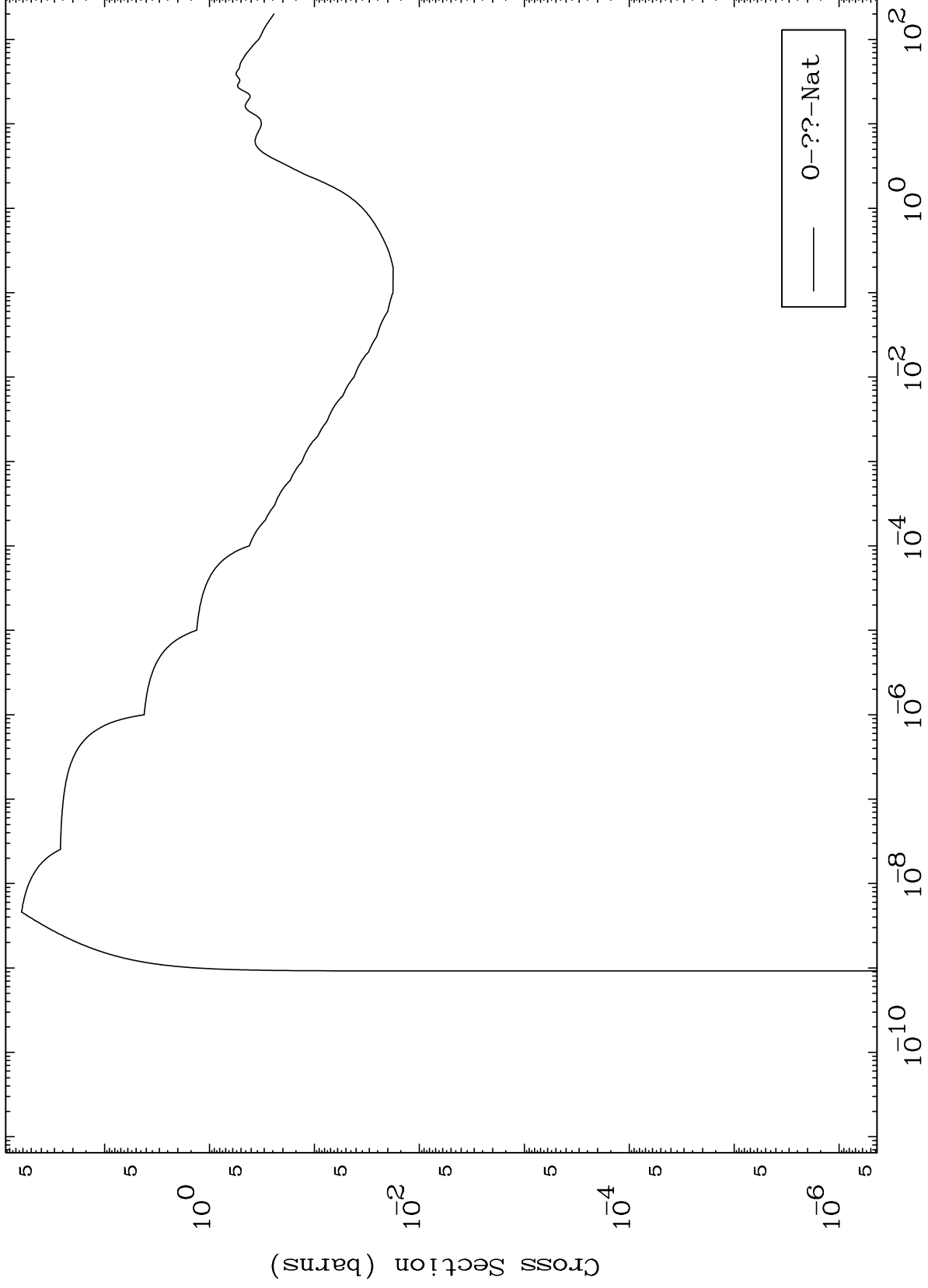


MAT 8081

Fission

81-Tl-188m

Radionuclide Production Cross Section

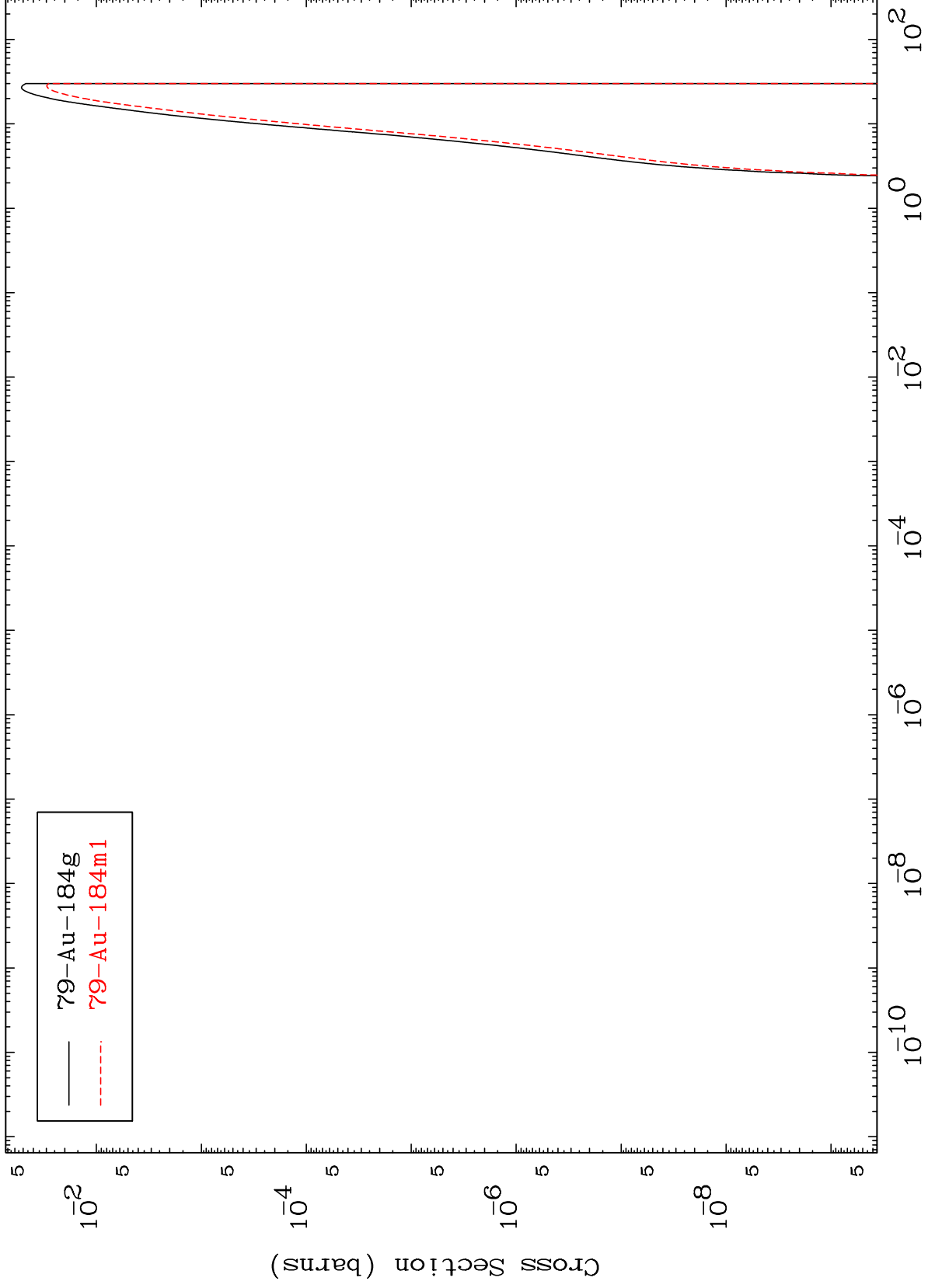


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$(n, n') \alpha$

81-Tl-188m

Radionuclide Production Cross Section

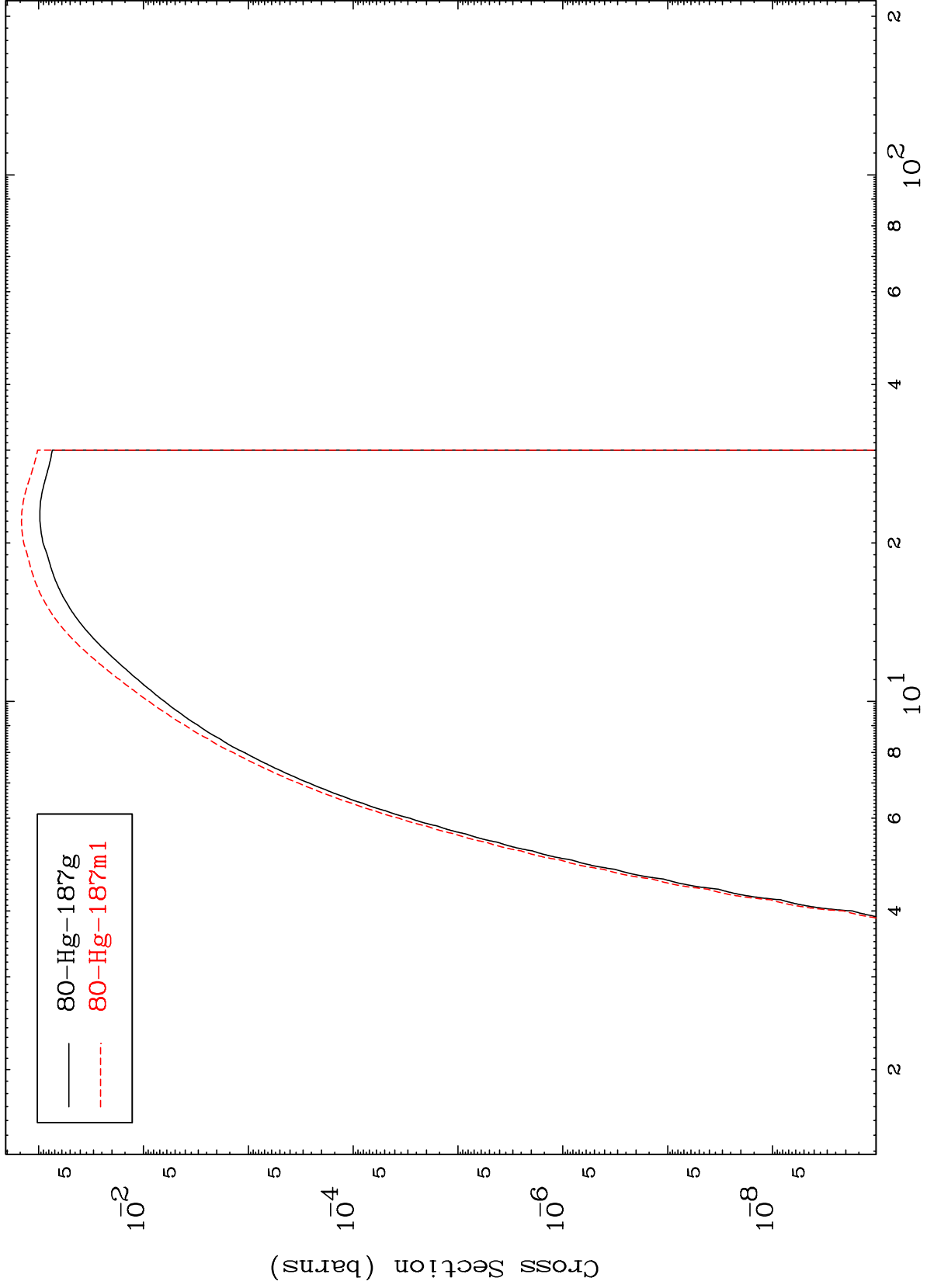


MAT 8081

(n,n') p

81-Tl-188m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

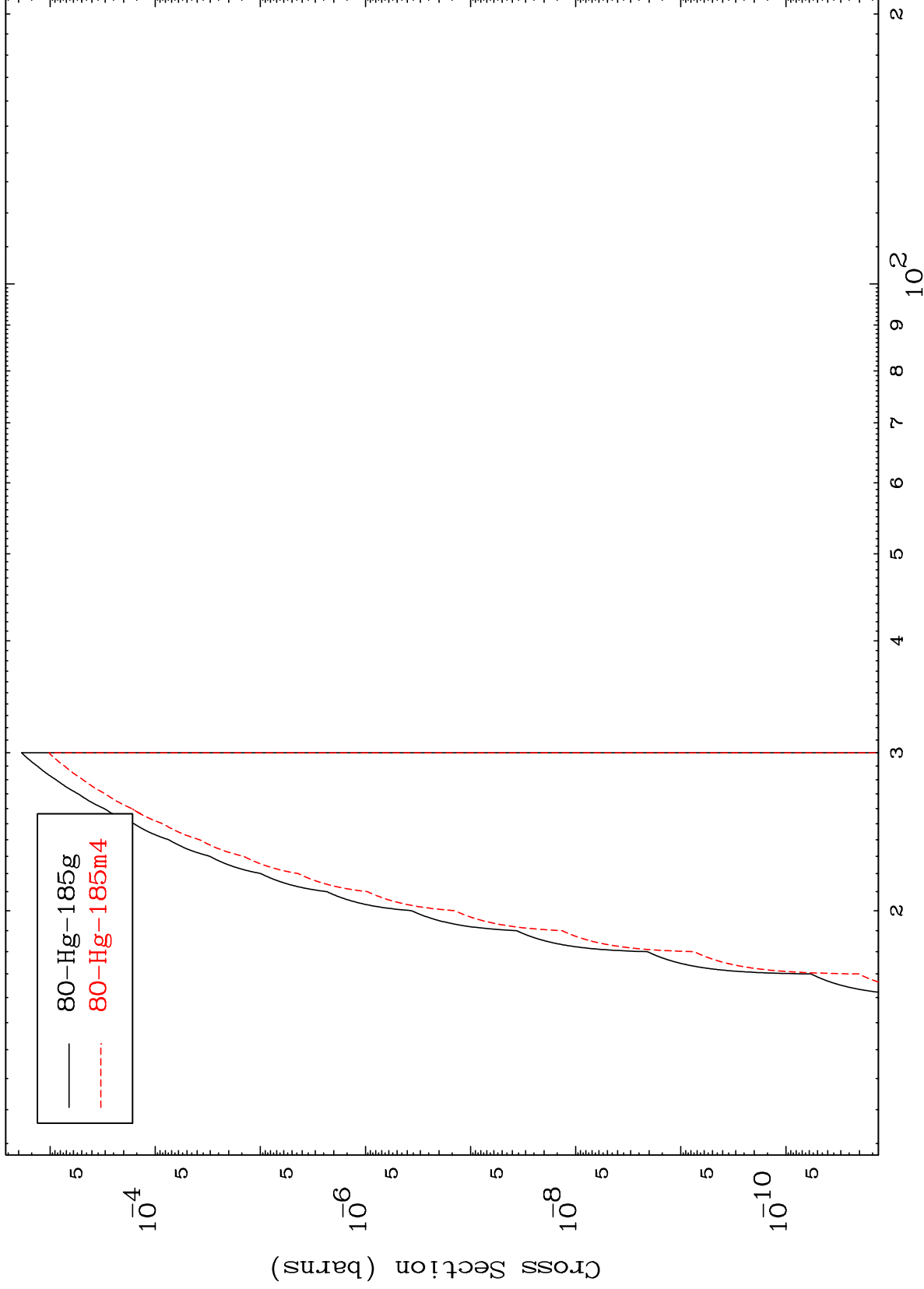
81-Tl-188m

MAT 8081

(n,n') t

81-Tl-188m

Radionuclide Production Cross Section



Incident Energy (MeV)

81-Tl-188m

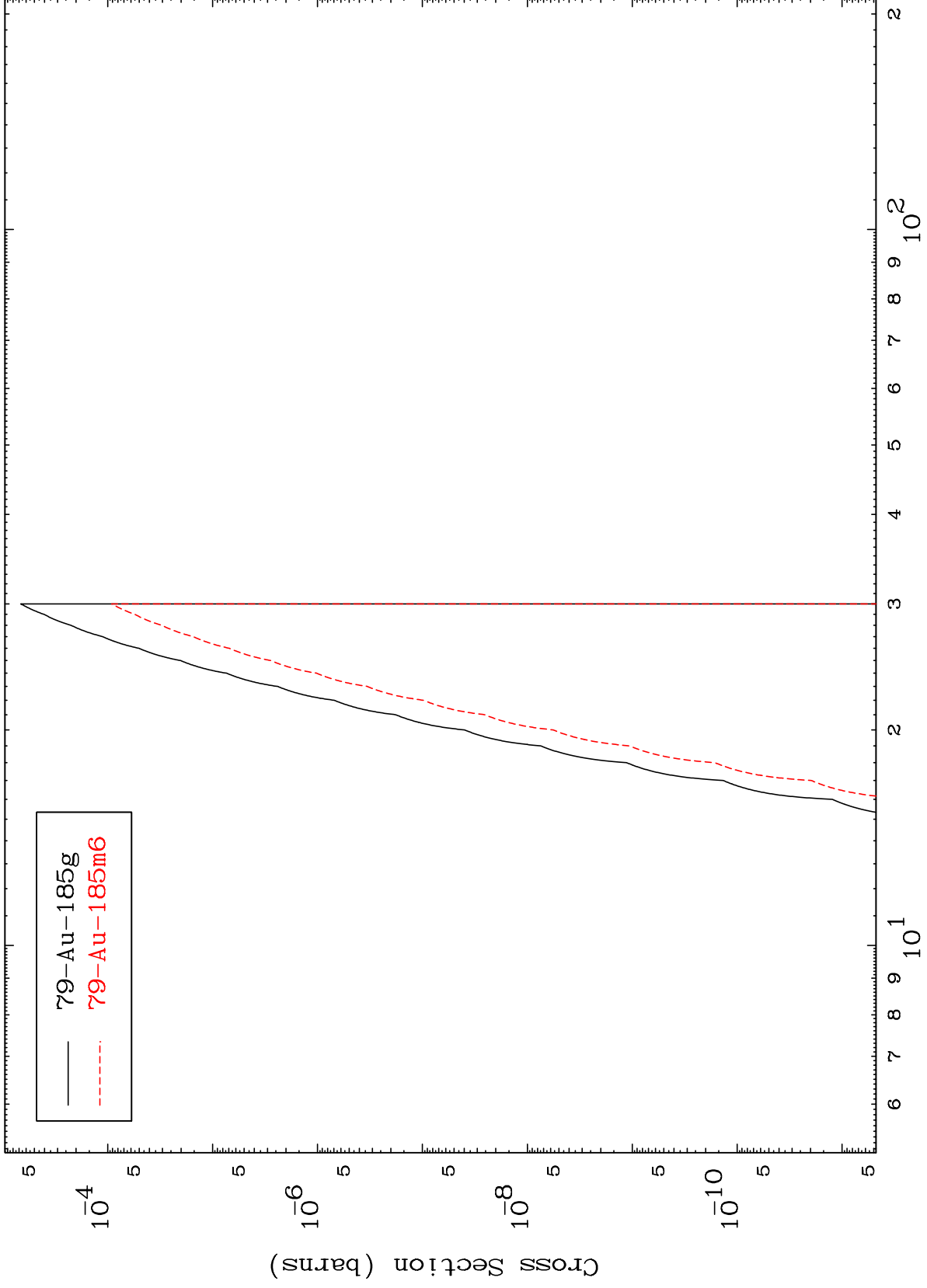
26

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(n,n') He-3

81-Tl-188m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

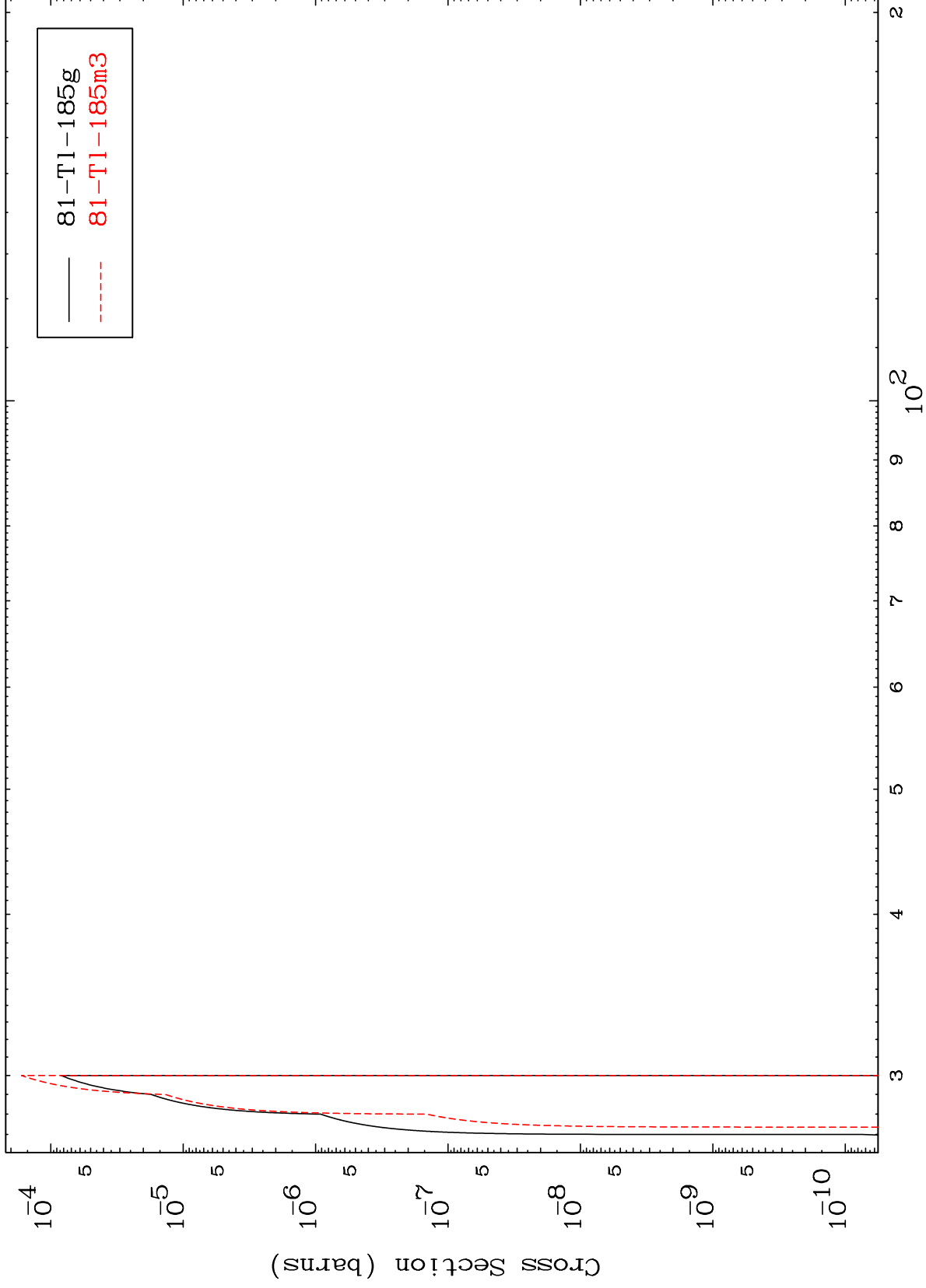
81-Tl-188m

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(n,4n)

81-Tl-188m

Radionuclide Production Cross Section

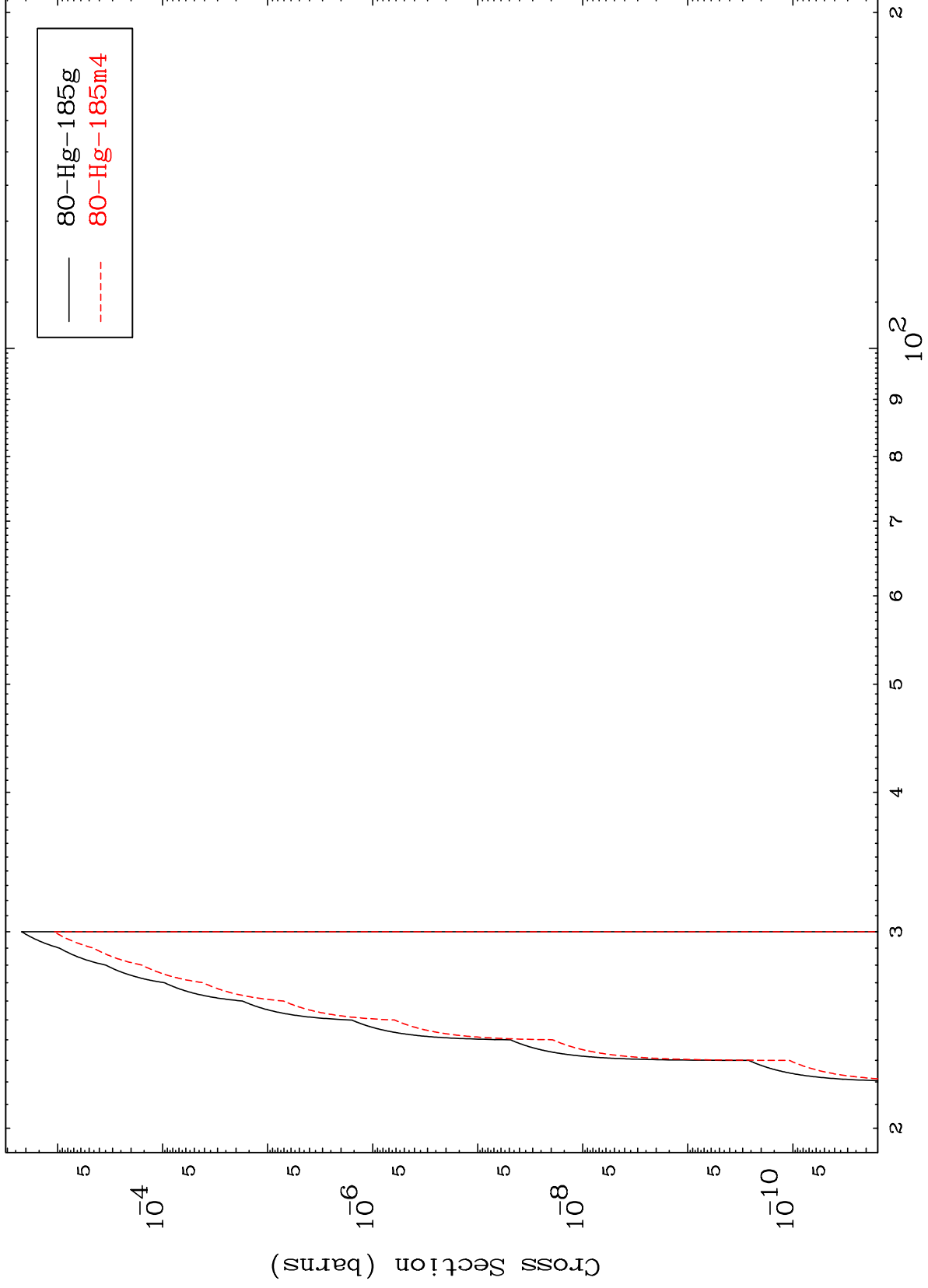


28

Incident Energy (MeV)

81-Tl-188m

Radionuclide Production Cross Section

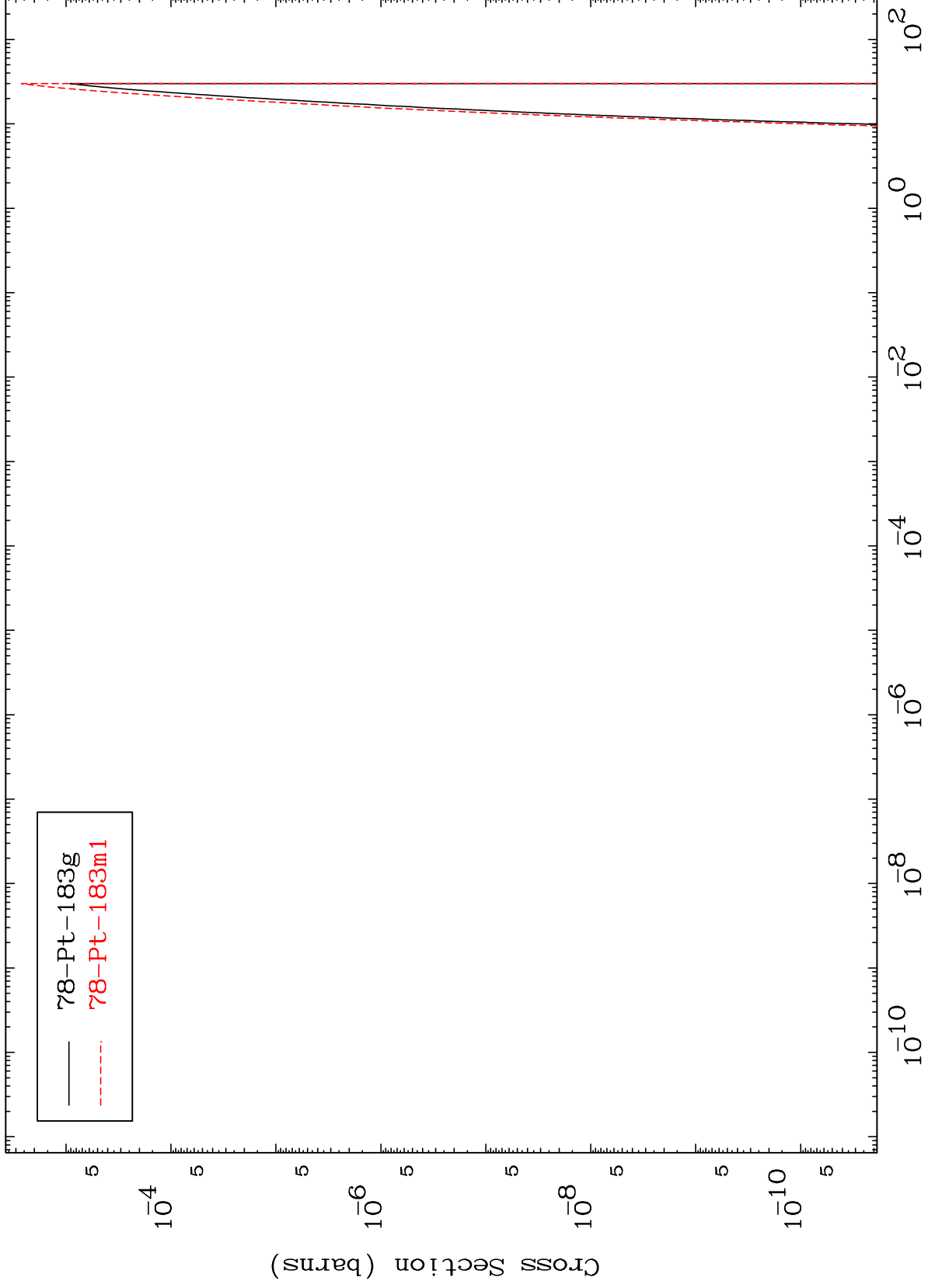


MAT 8081

(n,n') p  $\alpha$

81-Tl-188m

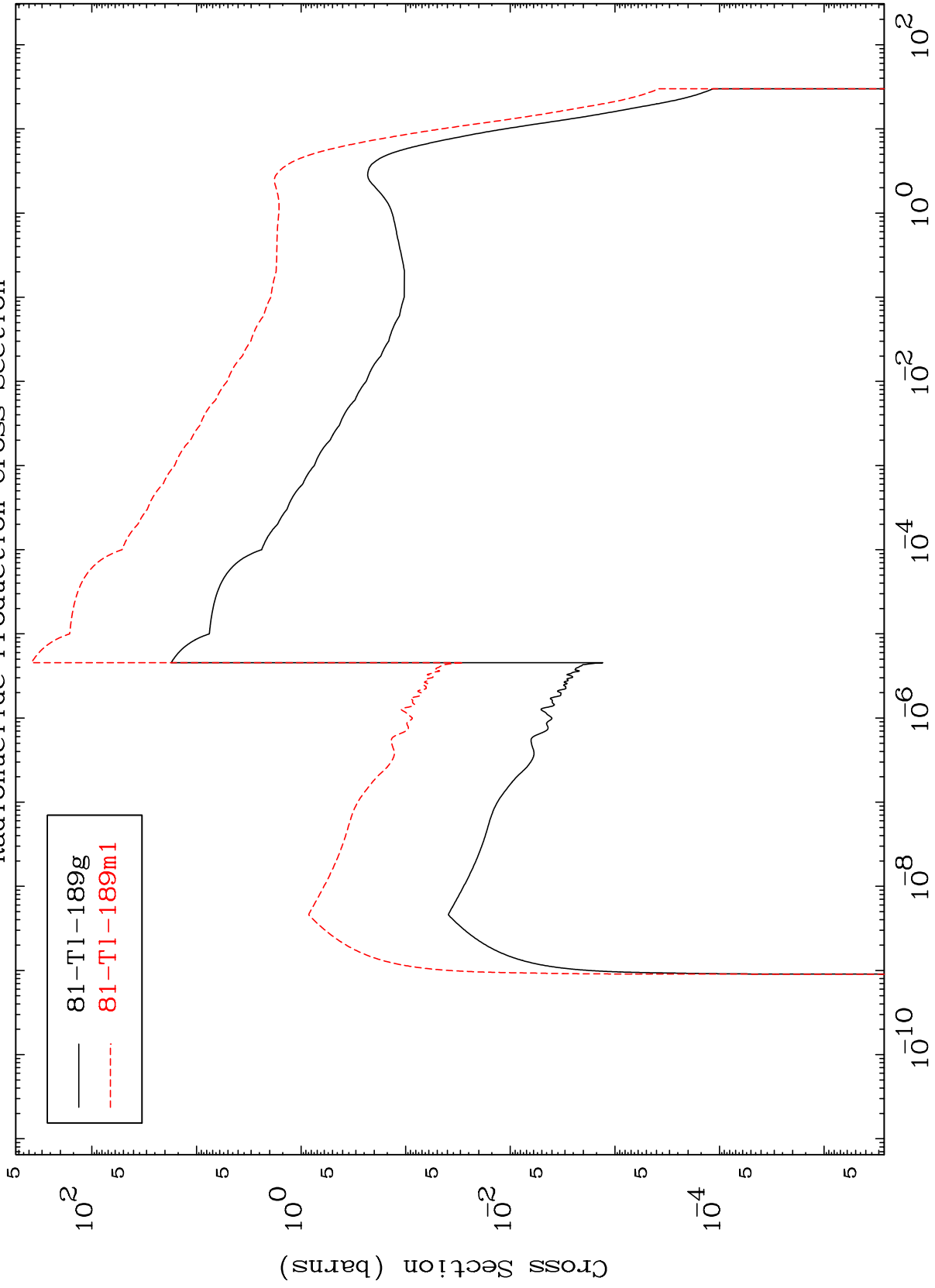
Radionuclide Production Cross Section



MAT 8081

81-Tl-188m

Radionuclide Production Cross Section



31

81-Tl-188m

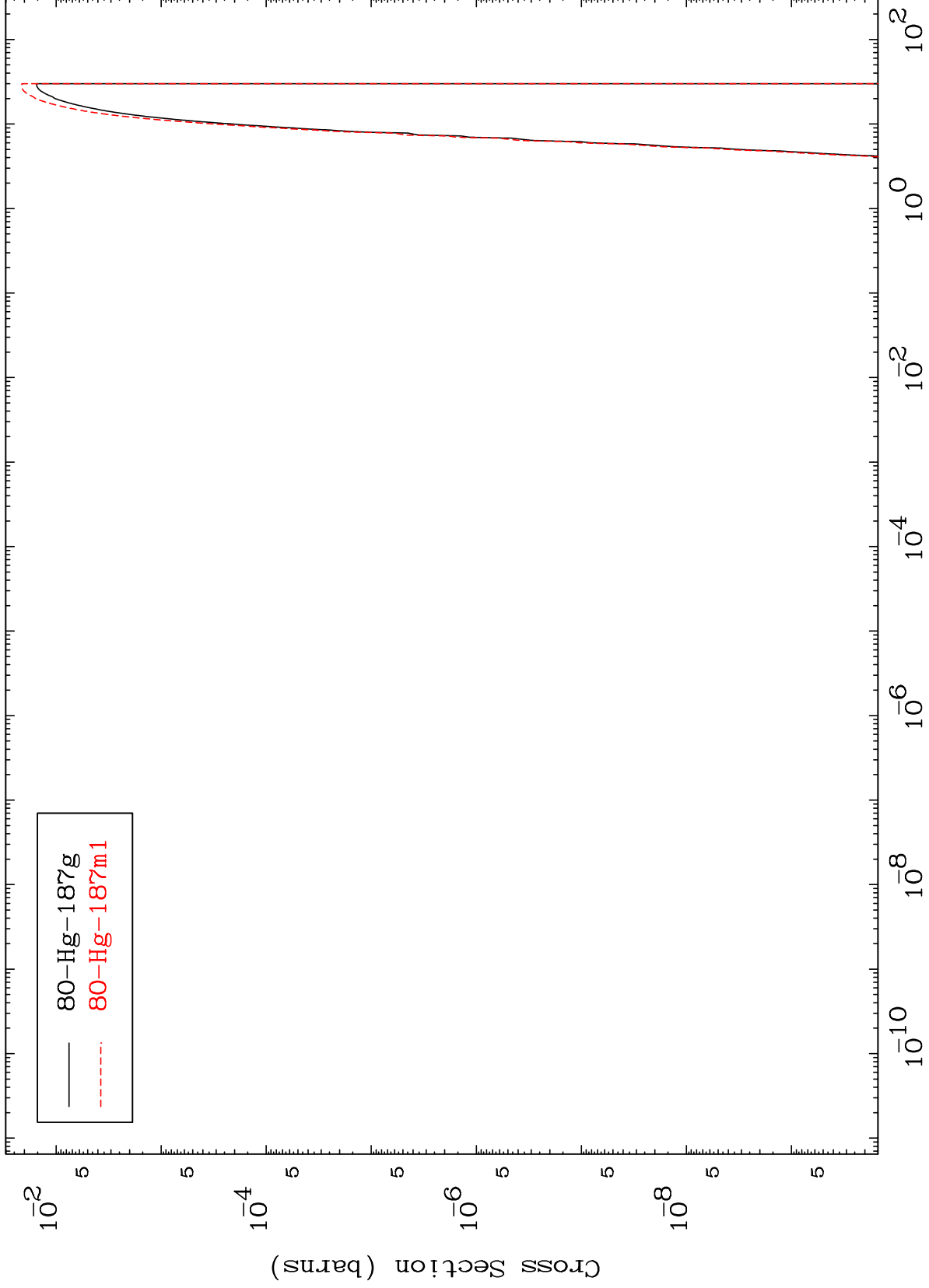
Incident Energy (MeV)

MAT 8081

(n,d)

81-Tl-188m

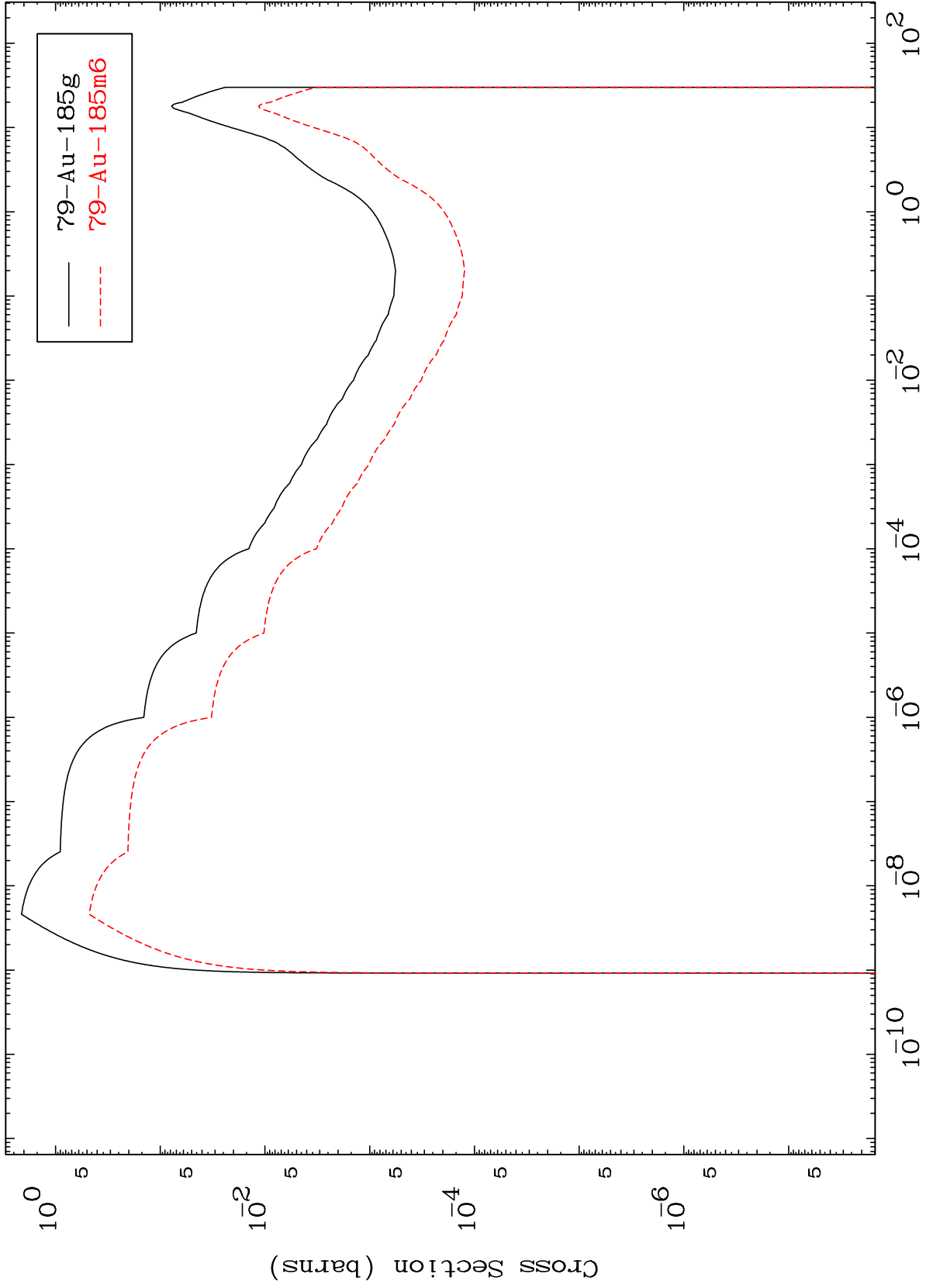
Radionuclide Production Cross Section



MAT 8081

81-Tl-188m

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



— 79-Au-185g  
- - - 79-Au-185m6

81-Tl-188m

Incident Energy (MeV)

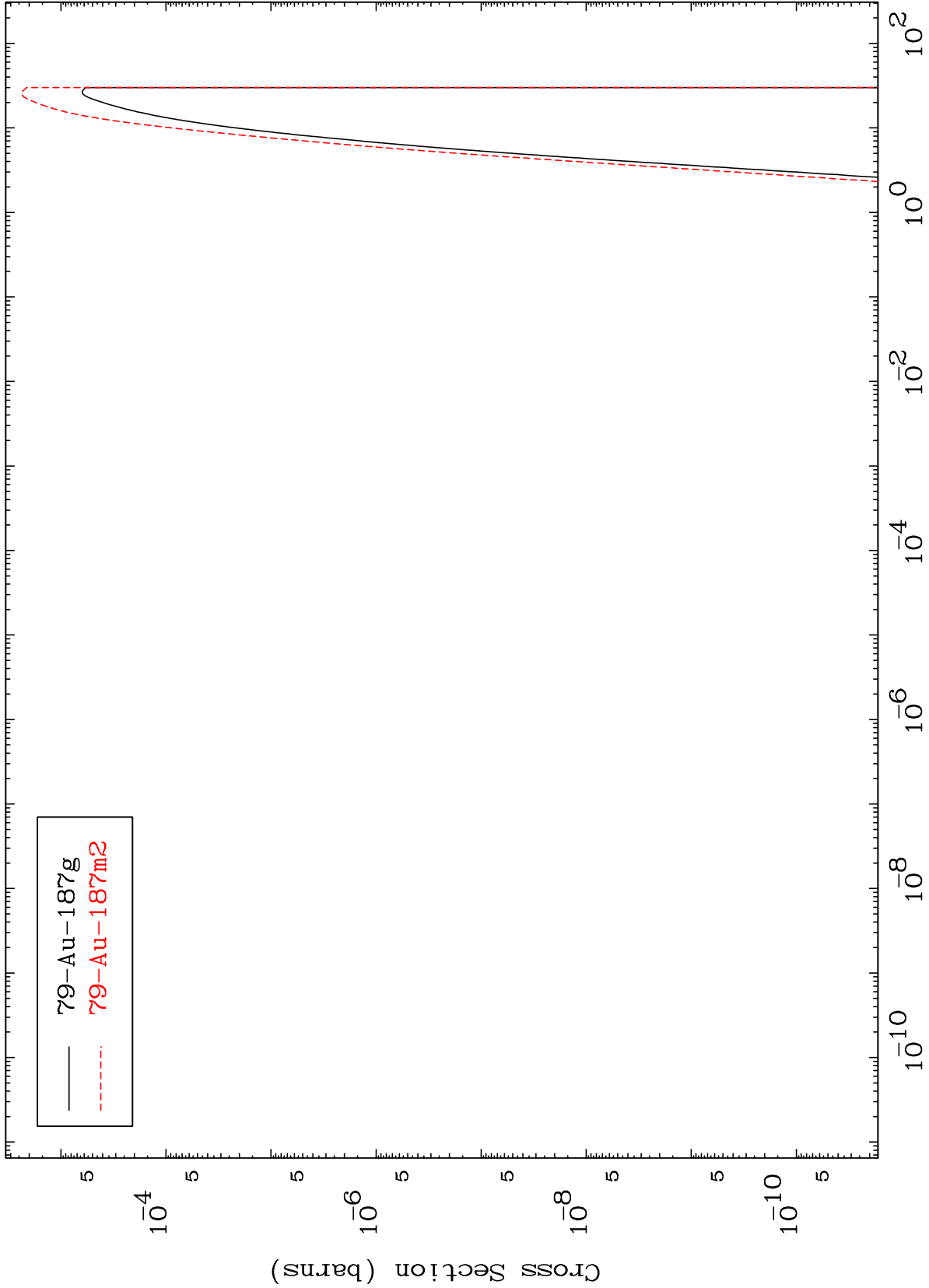
33

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(n,2p)

81-Tl-188m

Radionuclide Production Cross Section

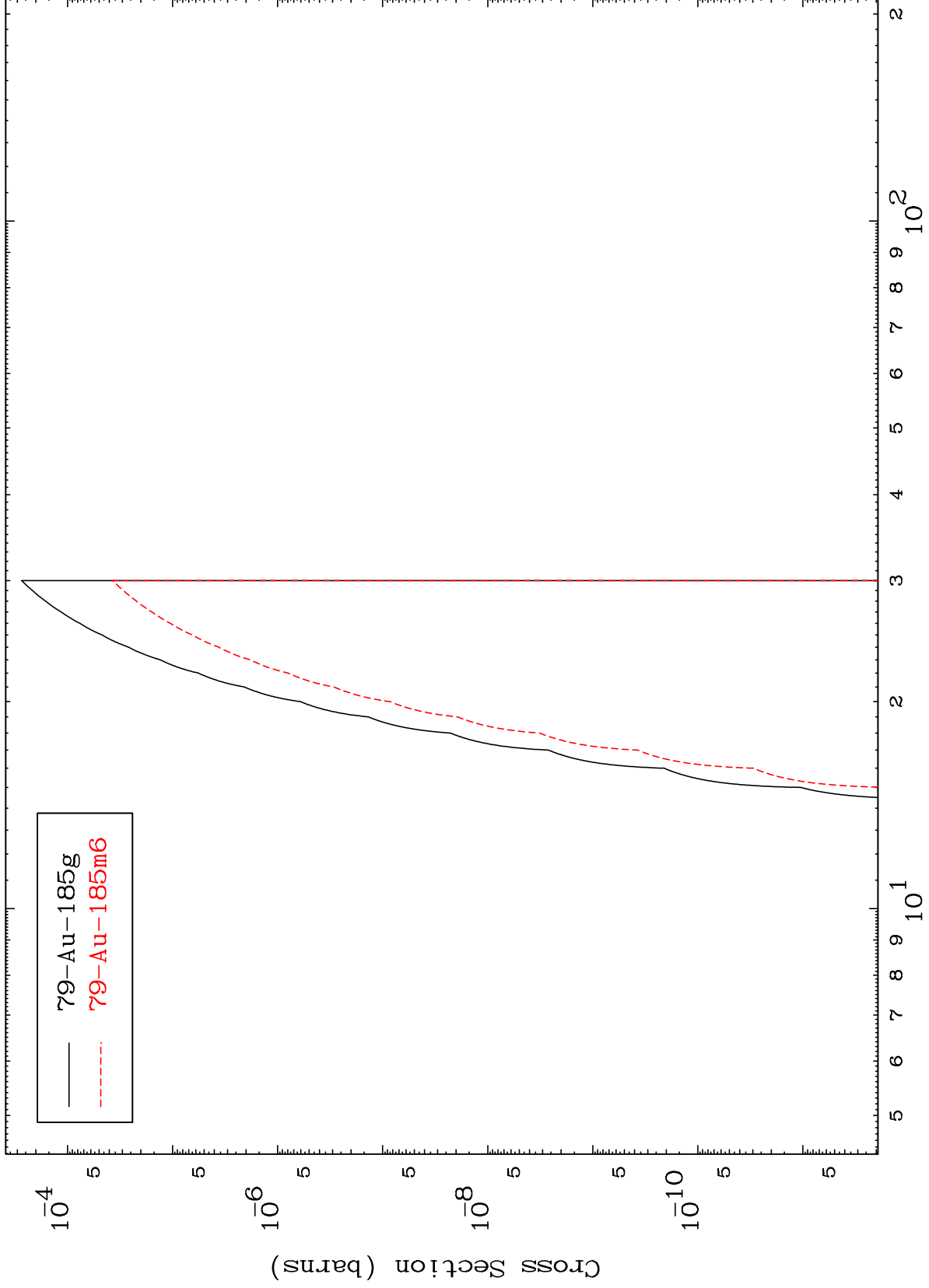


MAT 8081

(n,p) t

81-Tl-188m

Radionuclide Production Cross Section



35

Incident Energy (MeV)

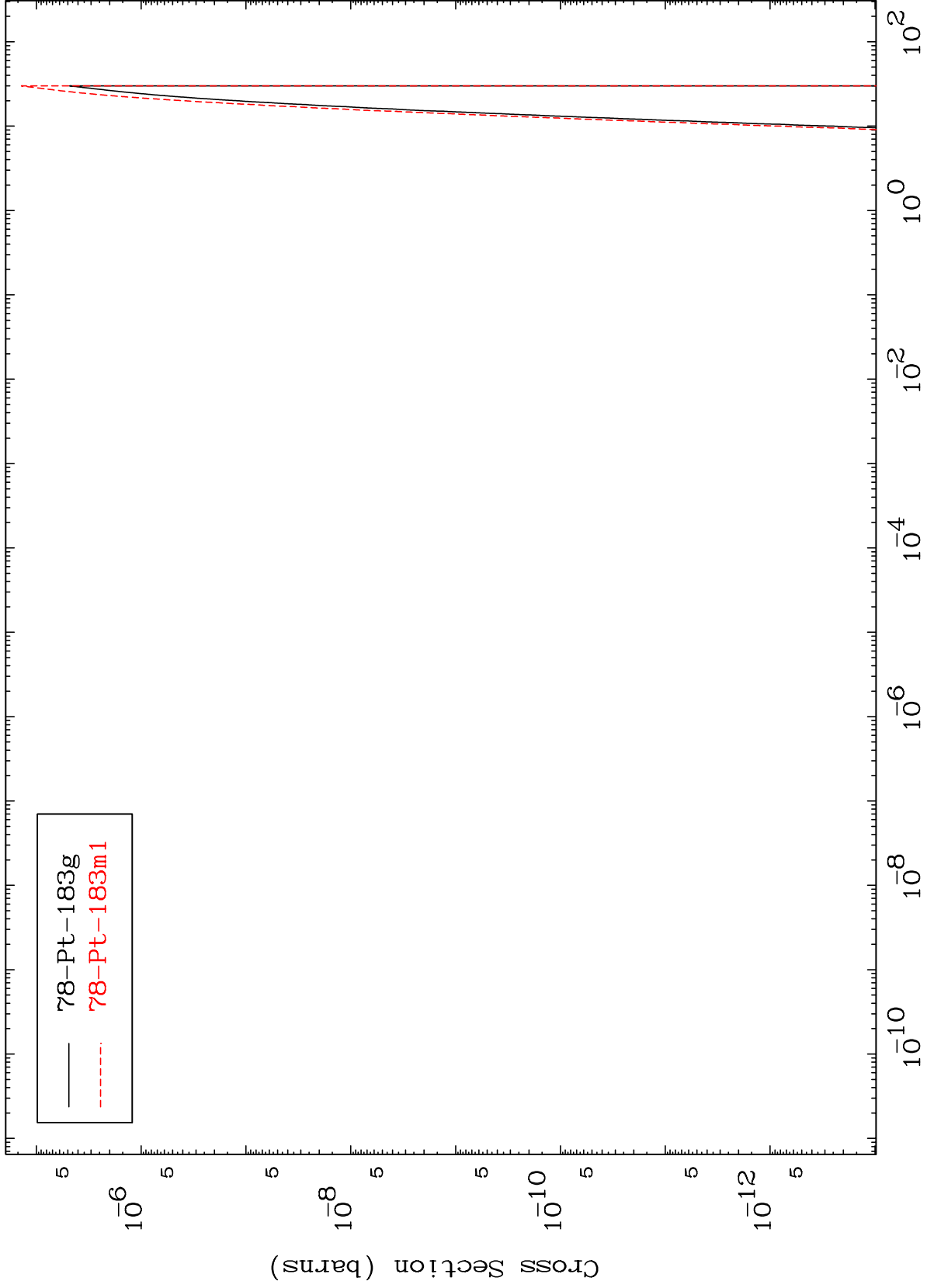
81-Tl-188m

MAT 8081

(n,d)  $\alpha$

81-Tl-188m

Radionuclide Production Cross Section



36

Incident Energy (MeV)

81-Tl-188m