

Program EVALPLOT  
(Version 2017-1)

by

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(Present Contact Information)

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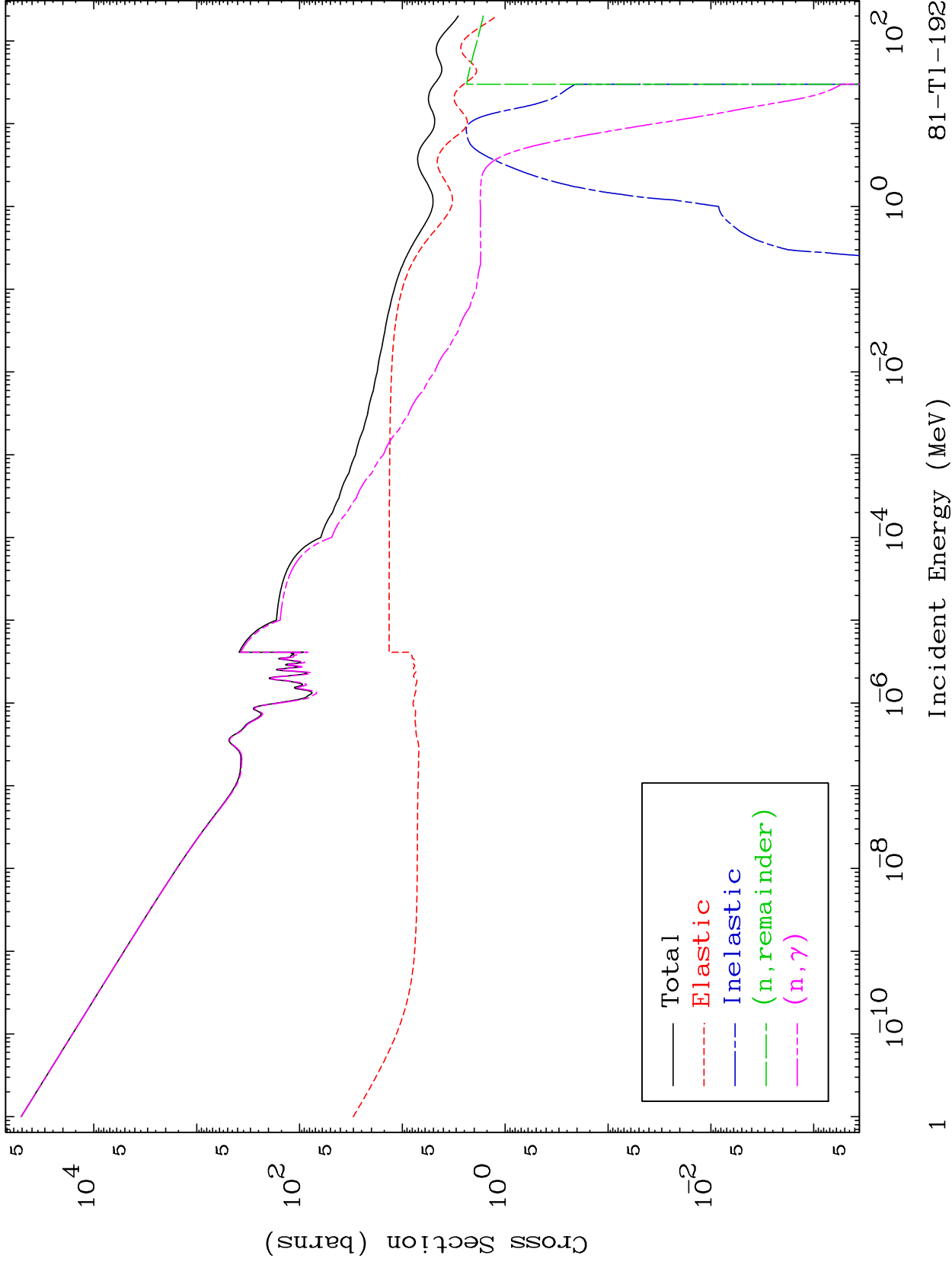
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8093

Major  
293 Kelvin Cross Sections

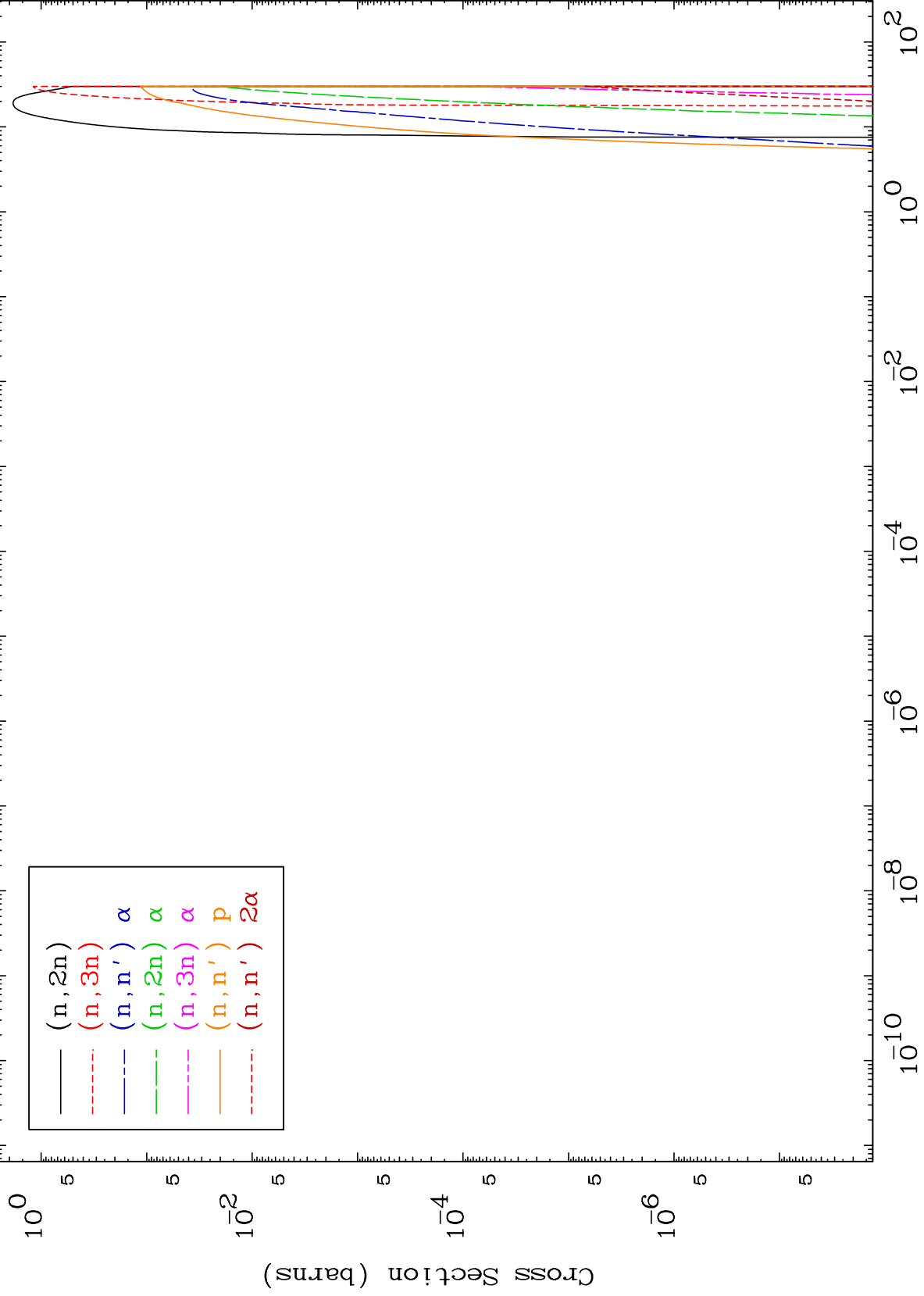
81-Tl-192



MAT 8093

Neutron Production  
293 Kelvin Cross Sections

81-Tl-192

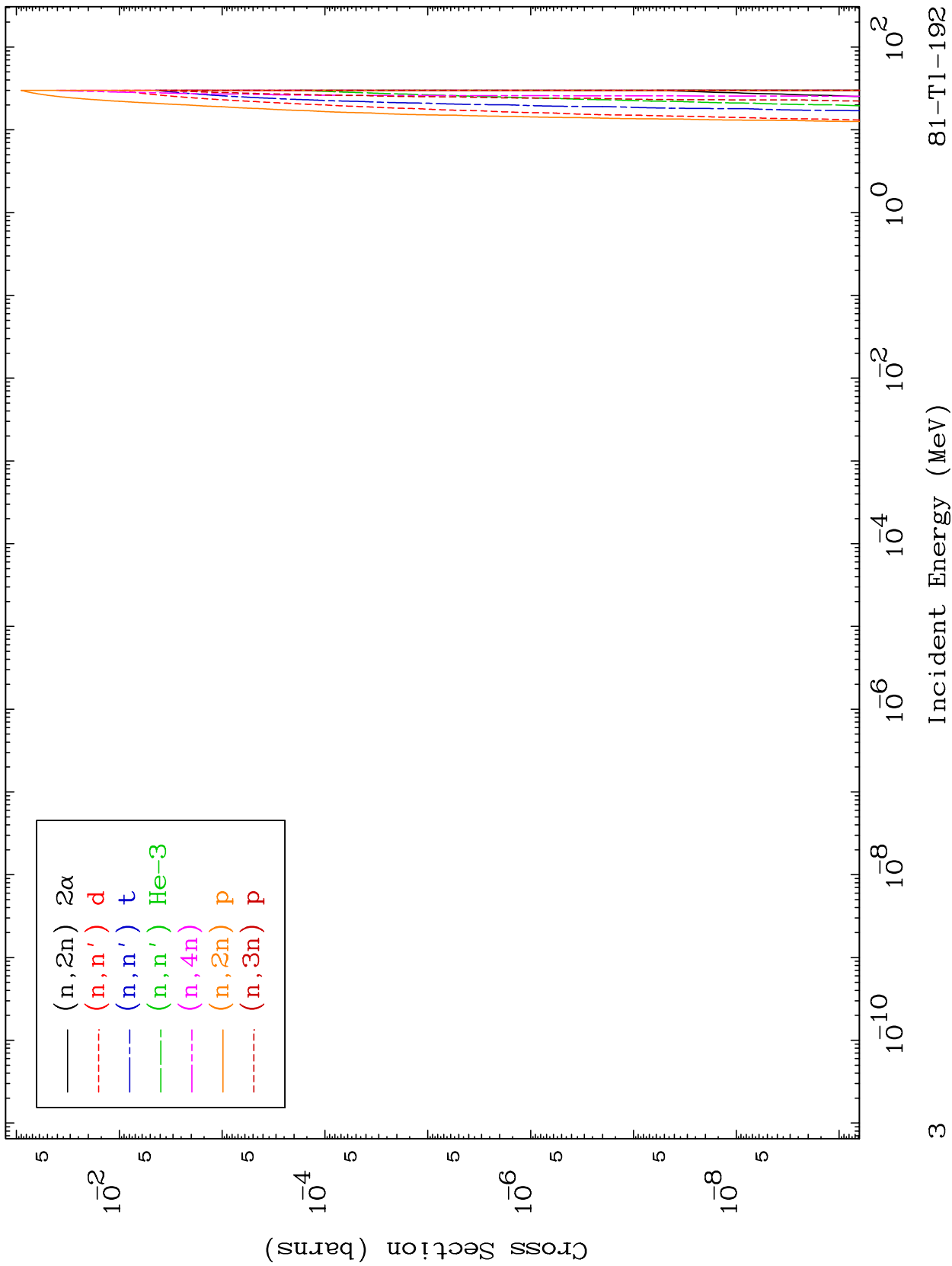


81-Tl-192

MAT 8093

Neutron Production  
293 Kelvin Cross Sections

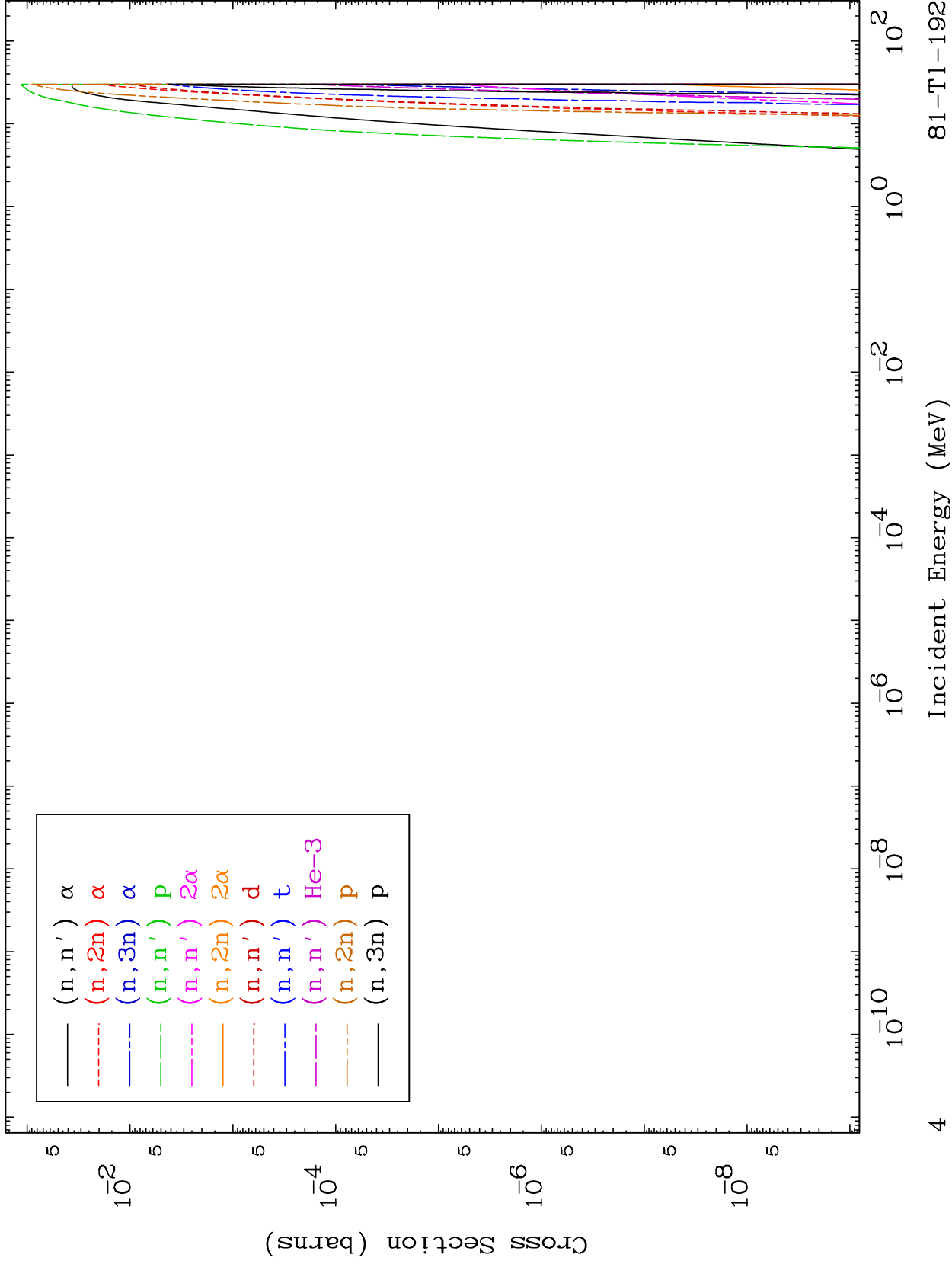
81-Tl-192



MAT 8093

Charged Particle  
293 Kelvin Cross Sections

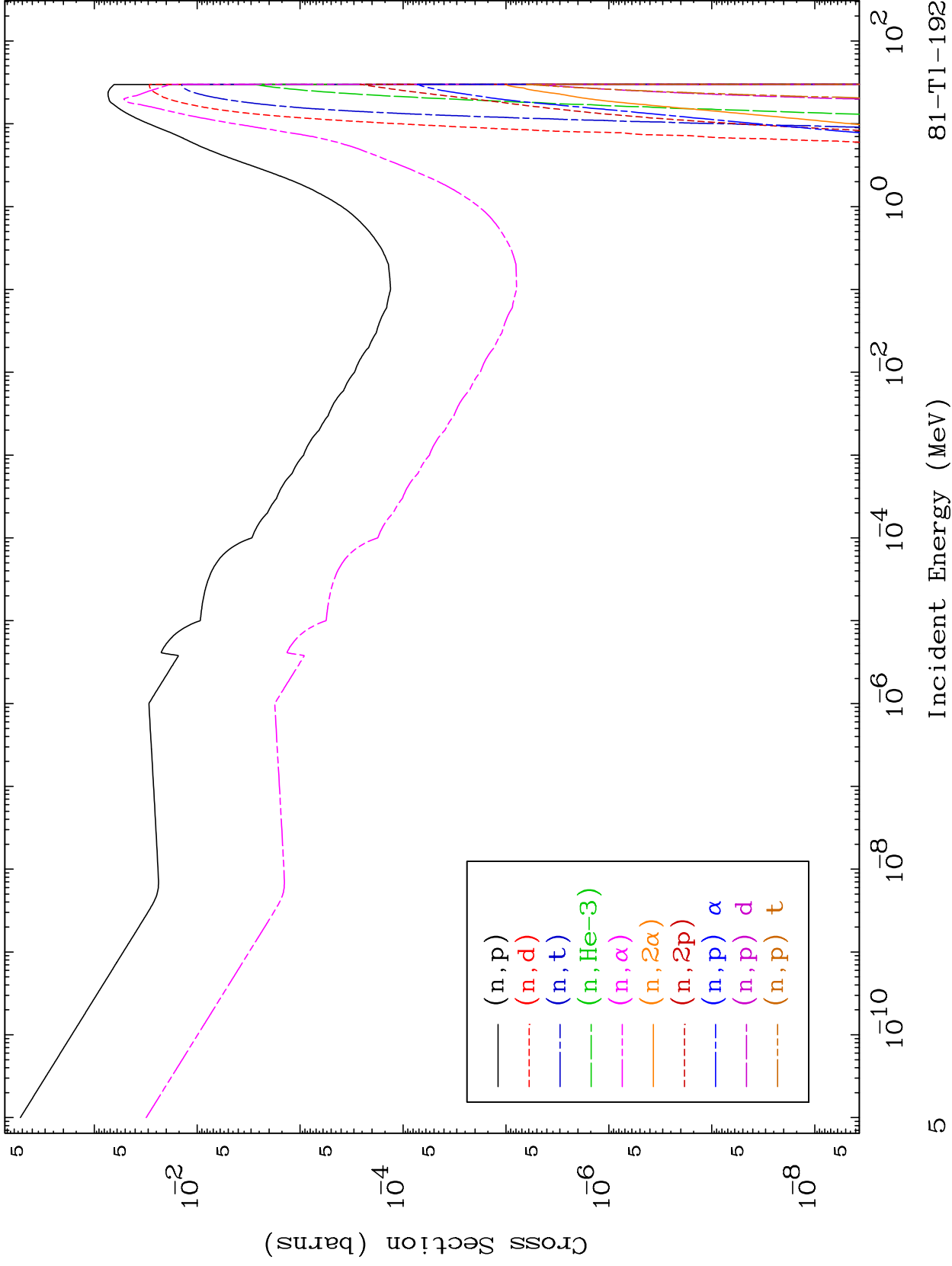
81-Tl-192



MAT 8093

Charged Particle  
293 Kelvin Cross Sections

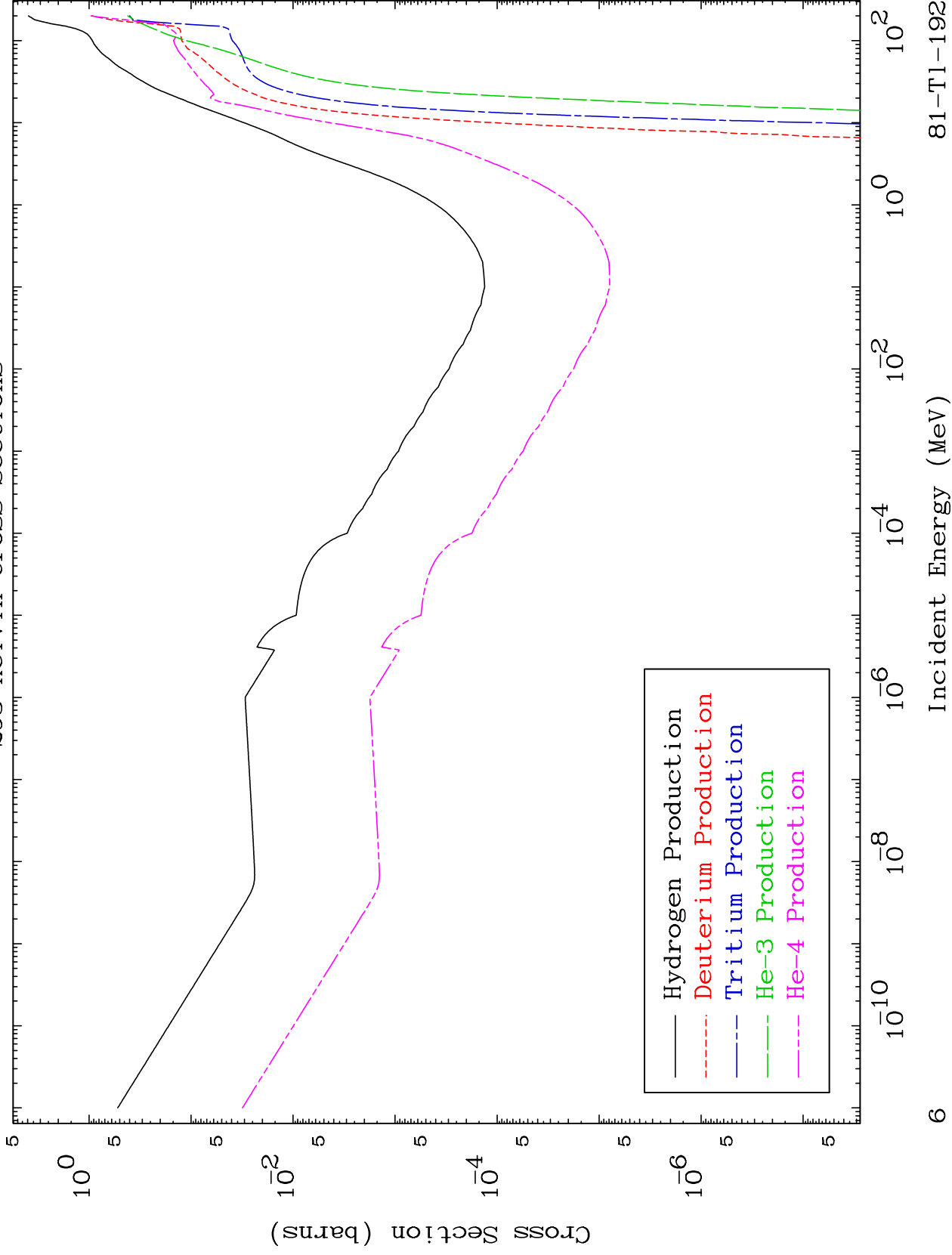
81-Tl-192



MAT 8093

Particle Production  
293 Kelvin Cross Sections

81-T1-192

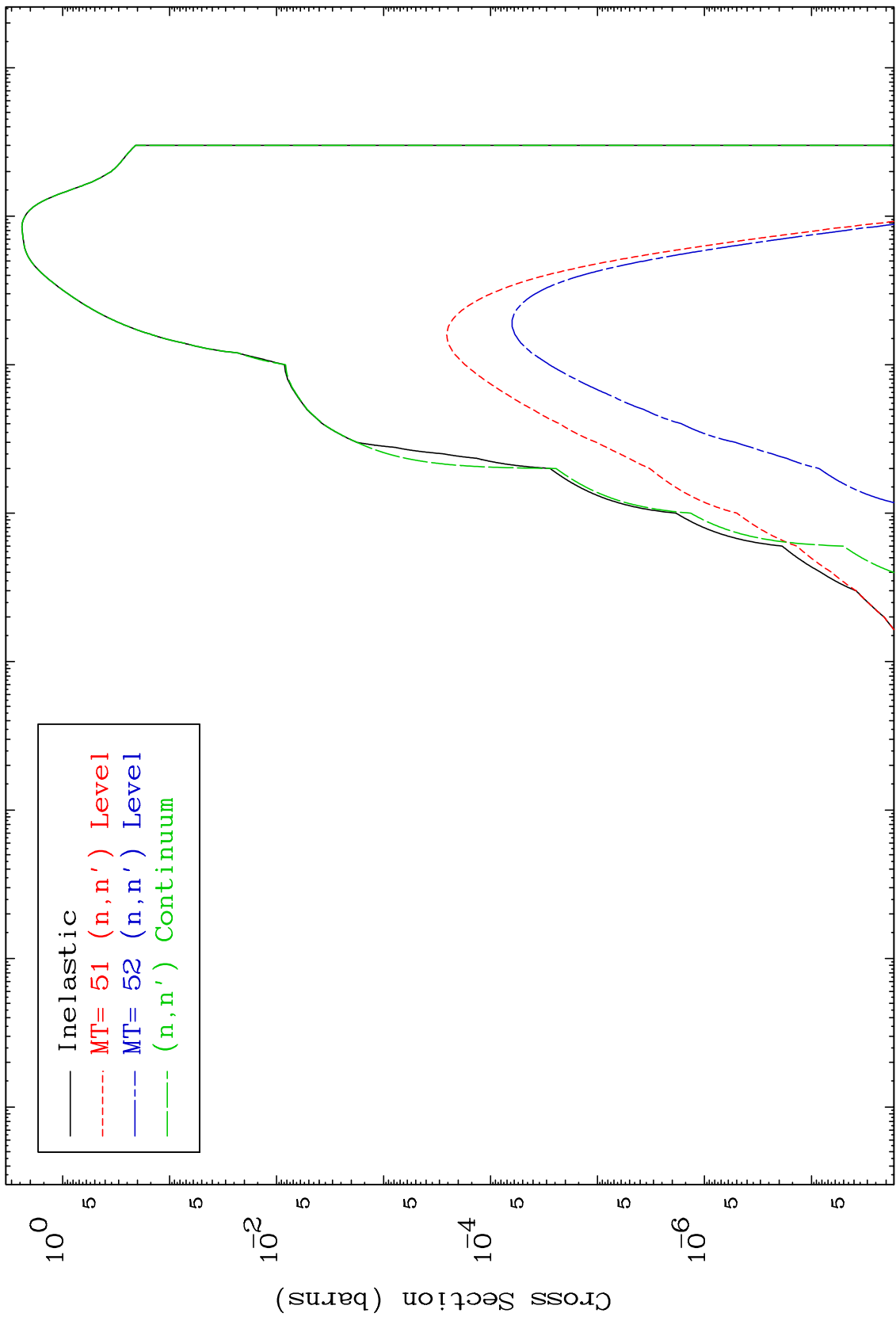


MAT 8093

(n,n') Level

81-Tl-192

293 Kelvin Cross Sections



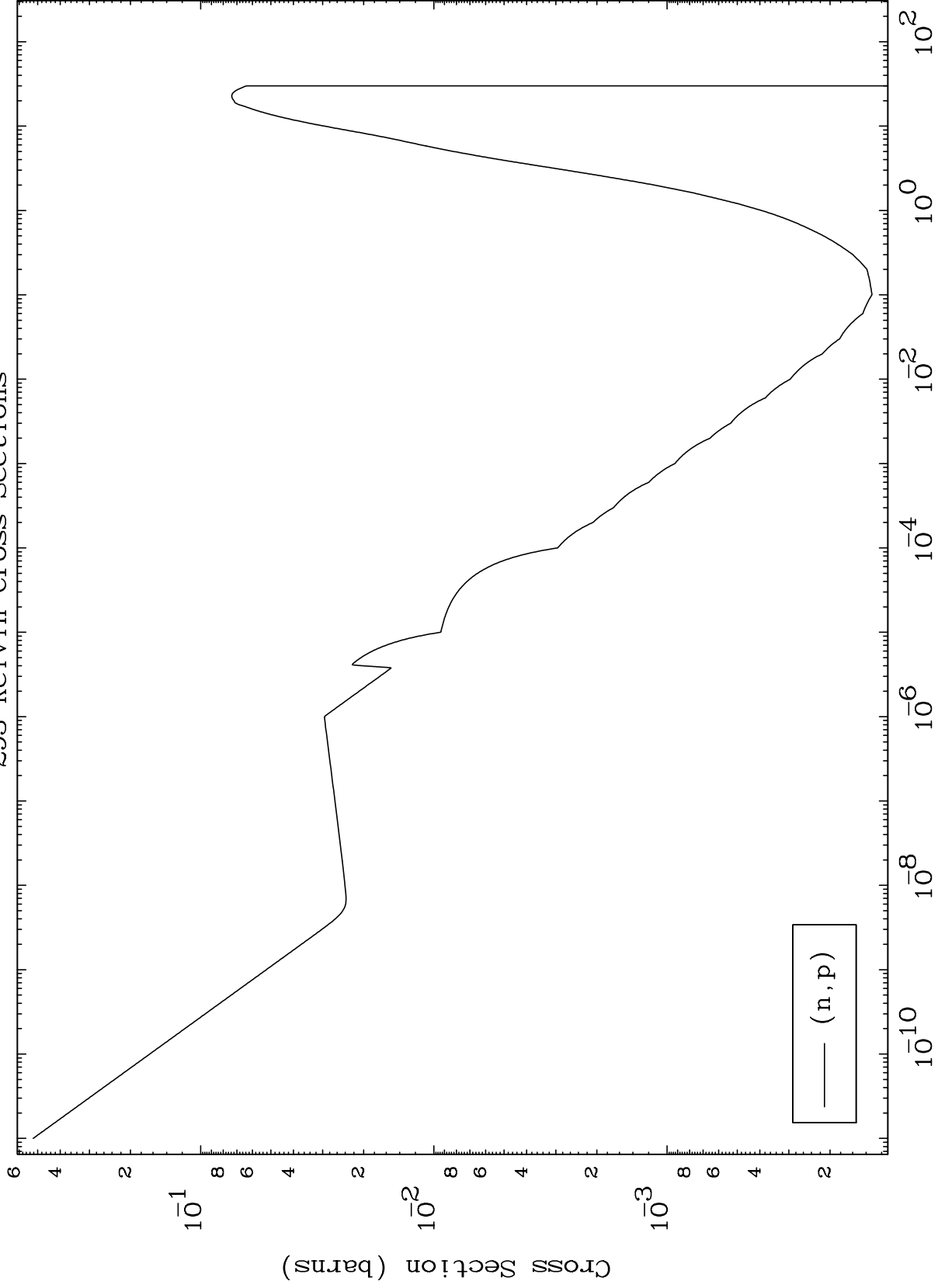
Inelastic  
MT= 51 (n,n') Level  
MT= 52 (n,n') Level  
(n,n') Continuum



MAT 8093

(n,p) Levels  
293 Kelvin Cross Sections

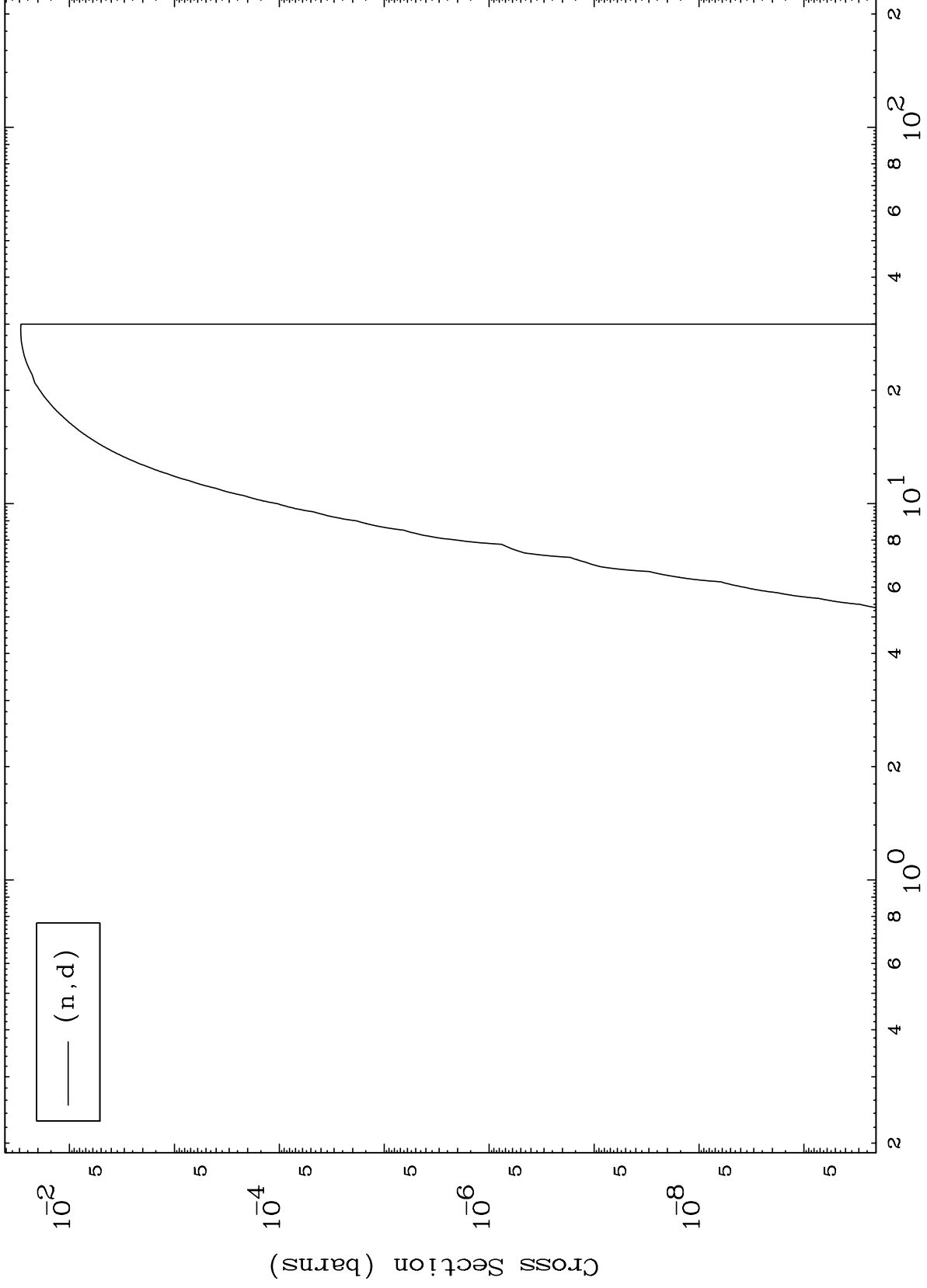
81-T1-192



MAT 8093

(n,d) Levels  
293 Kelvin Cross Sections

81-Tl-192



9

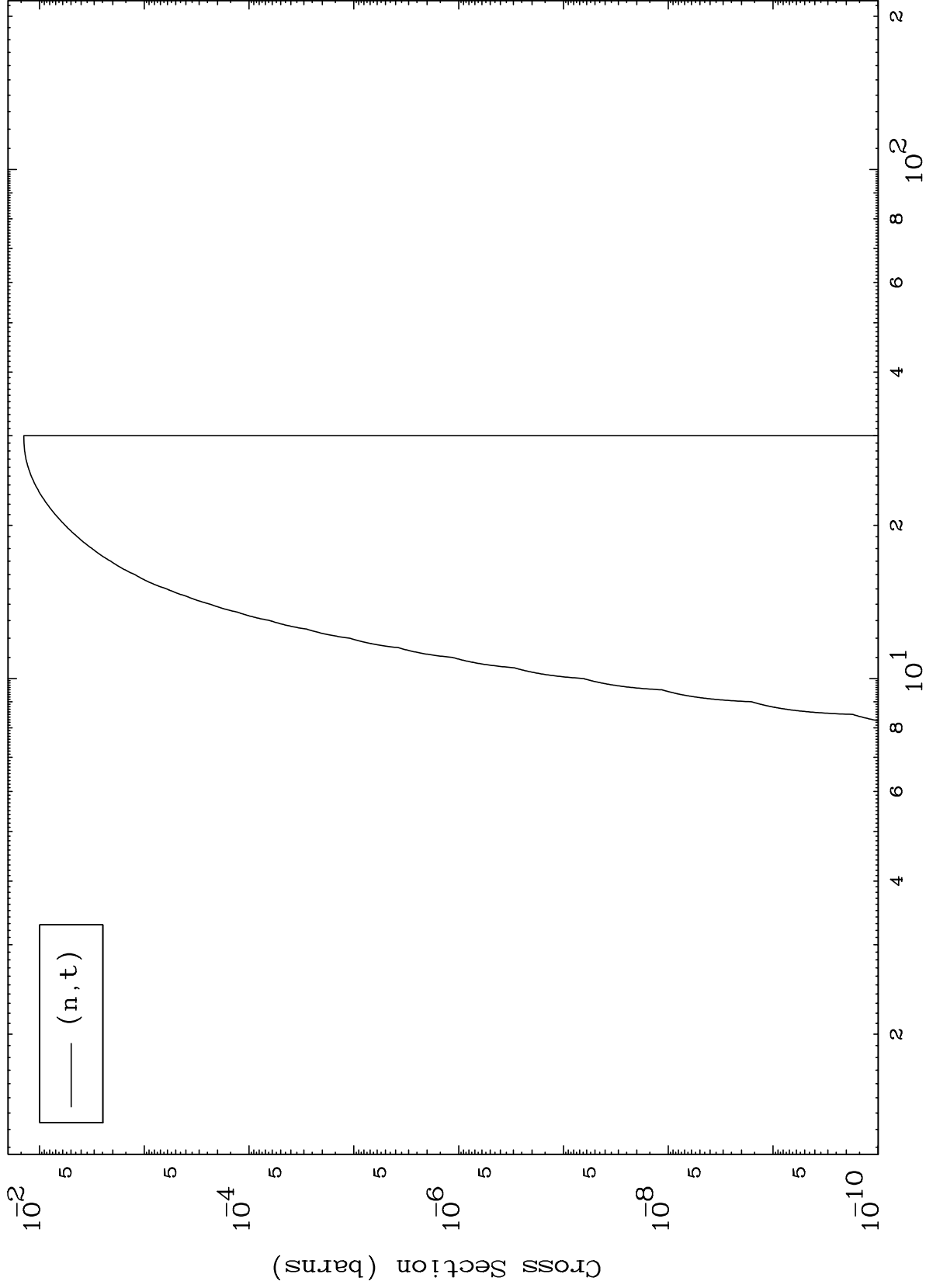
Incident Energy (MeV)

81-Tl-192

MAT 8093

(n,t) Levels  
293 Kelvin Cross Sections

81-Tl-192



10

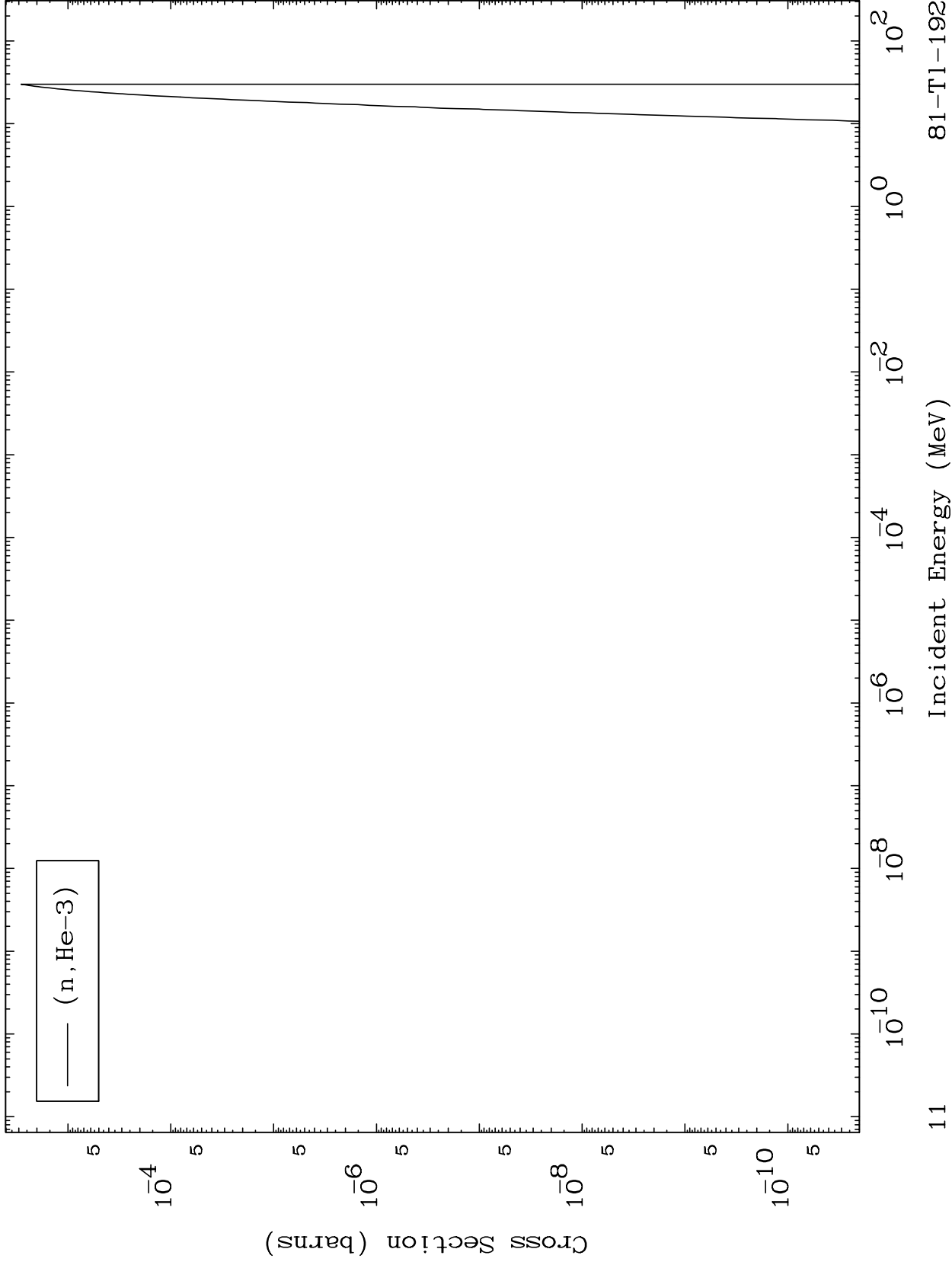
Incident Energy (MeV)

81-Tl-192

MAT 8093

(n,He3) Levels  
293 Kelvin Cross Sections

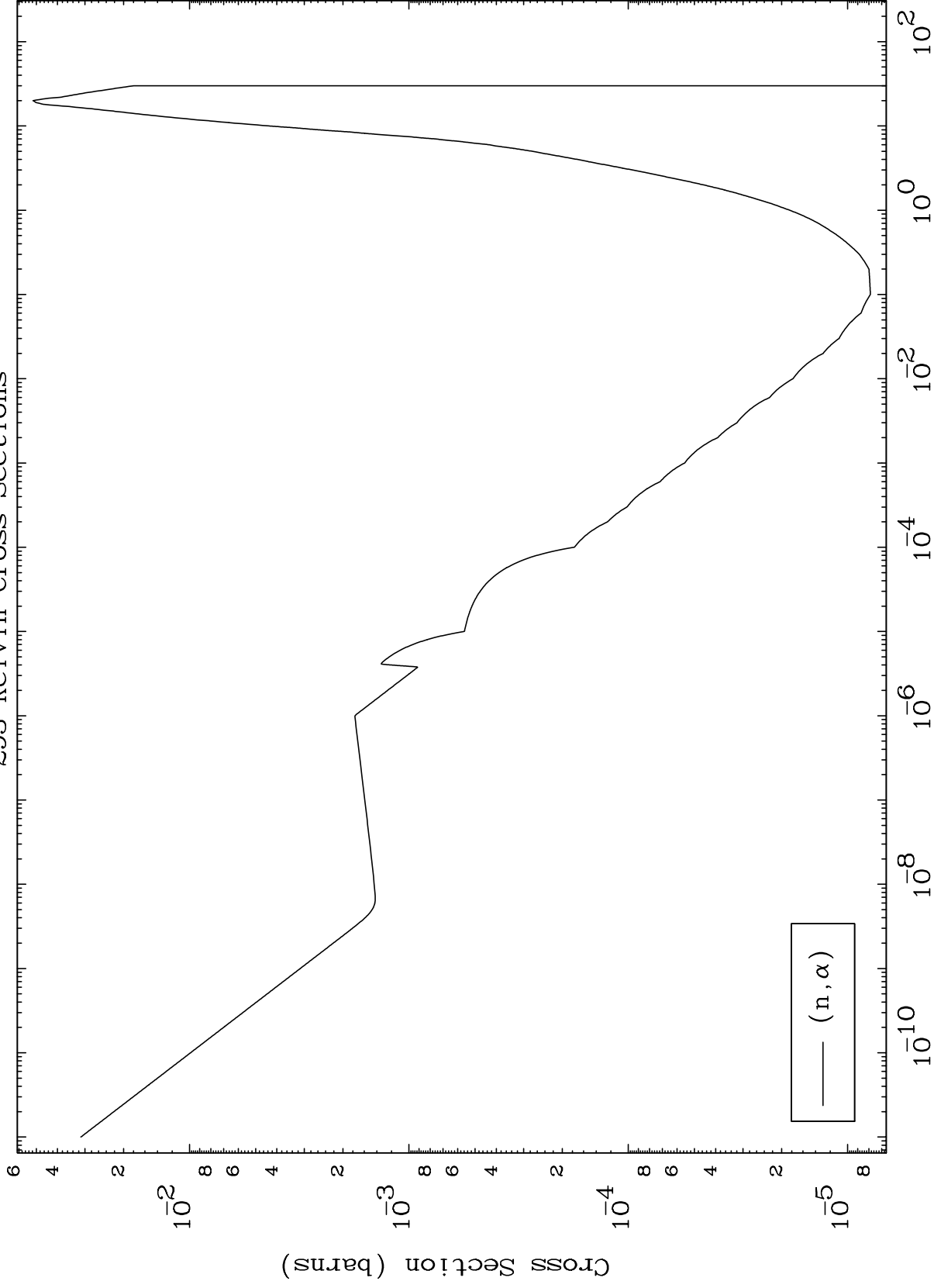
81-T1-192



MAT 8093

(n,α) Levels  
293 Kelvin Cross Sections

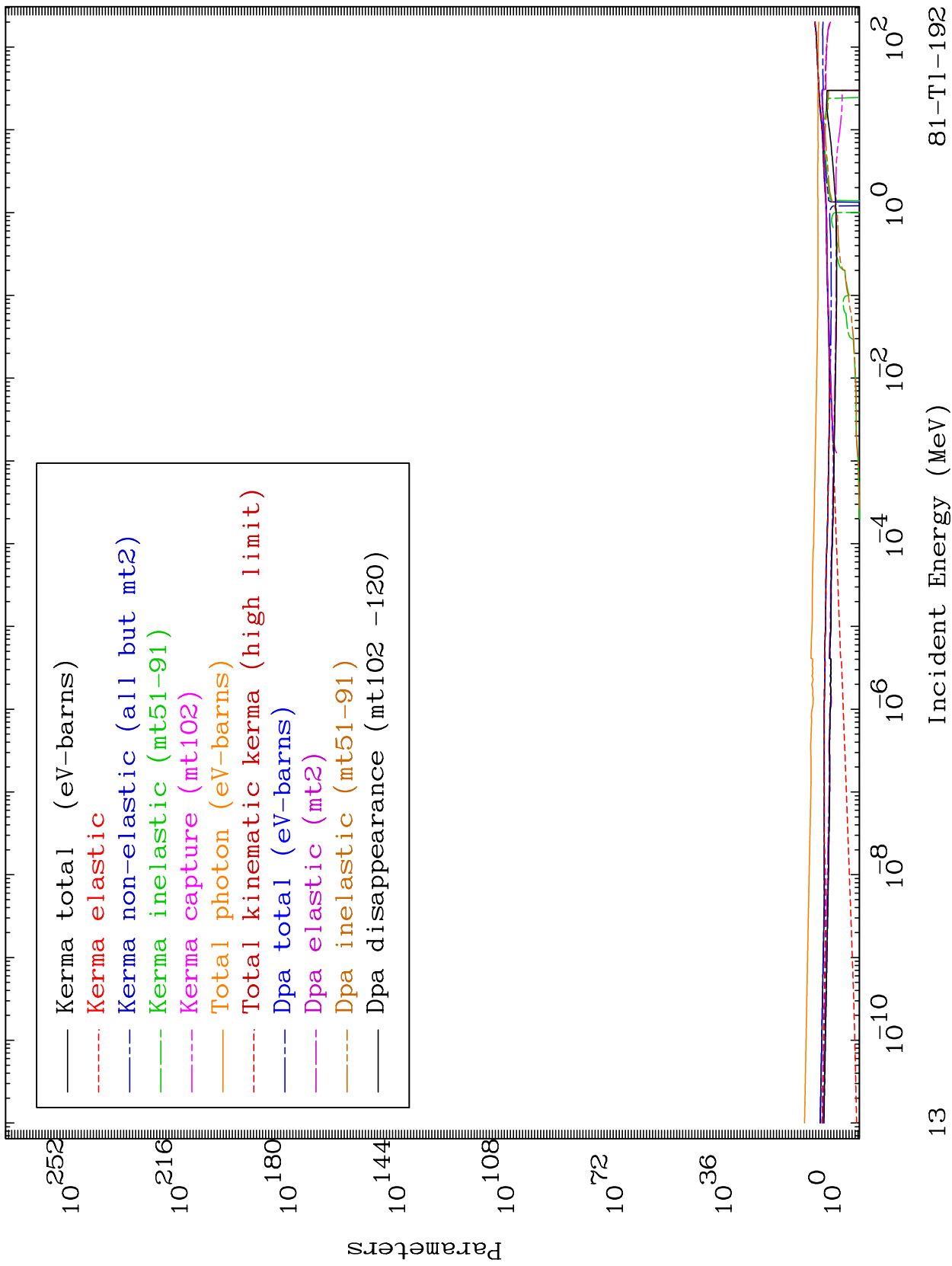
81-Tl-192



12

Incident Energy (MeV)

81-Tl-192

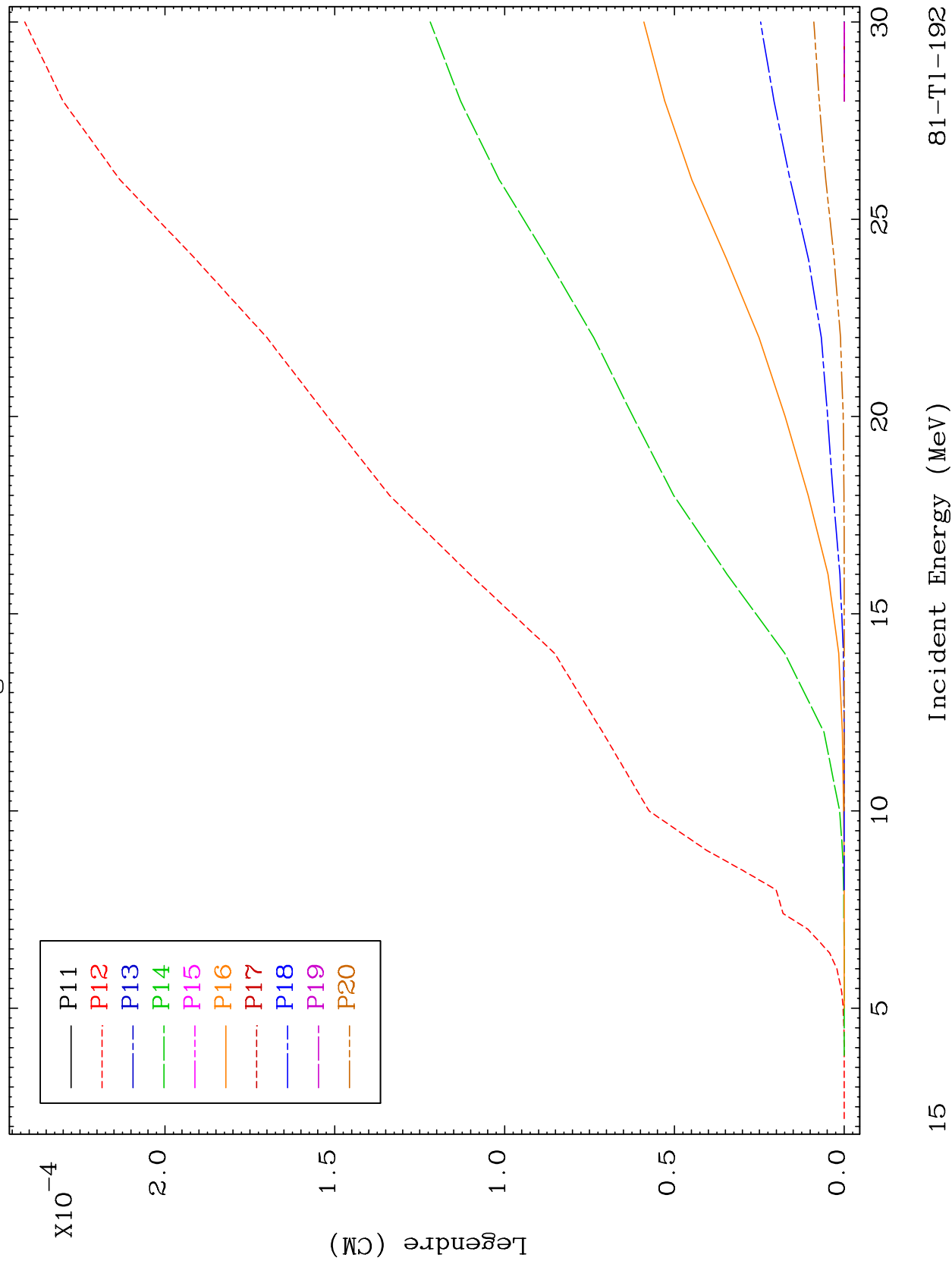




MAT 8093

Elastic Legendre Coefficients

81-T1-192



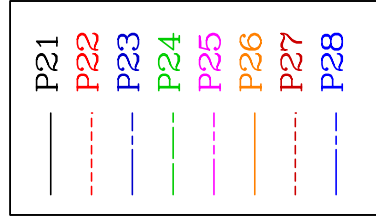
15



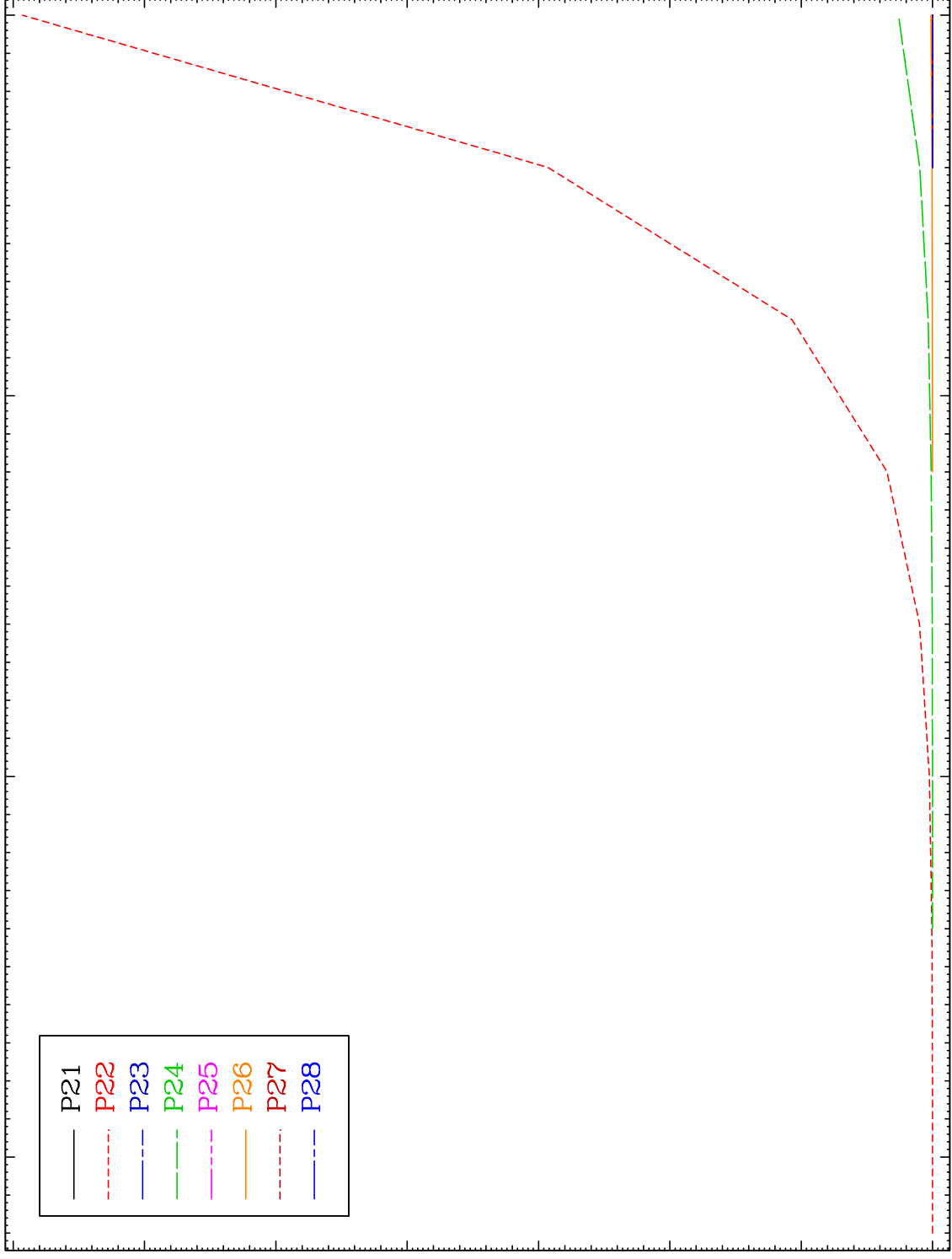
MAT 8093

Elastic  
Legendre Coefficients

81-T1-192



Legendre (CM)  
 $\times 10^{-6}$



16

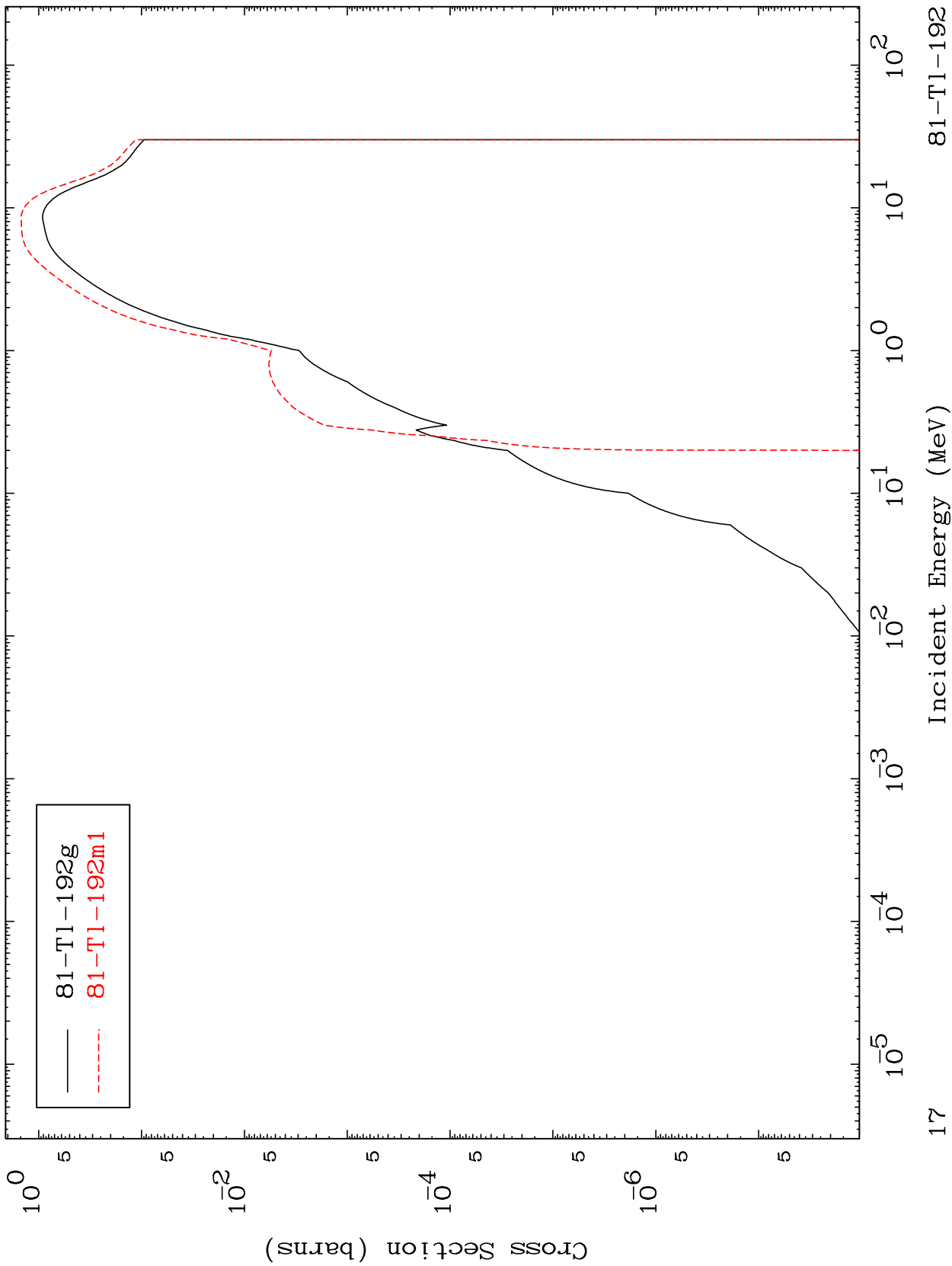
Incident Energy (MeV)

81-T1-192

MAT 8093

81-Tl-192

Inelastic  
Radionuclide Production Cross Section

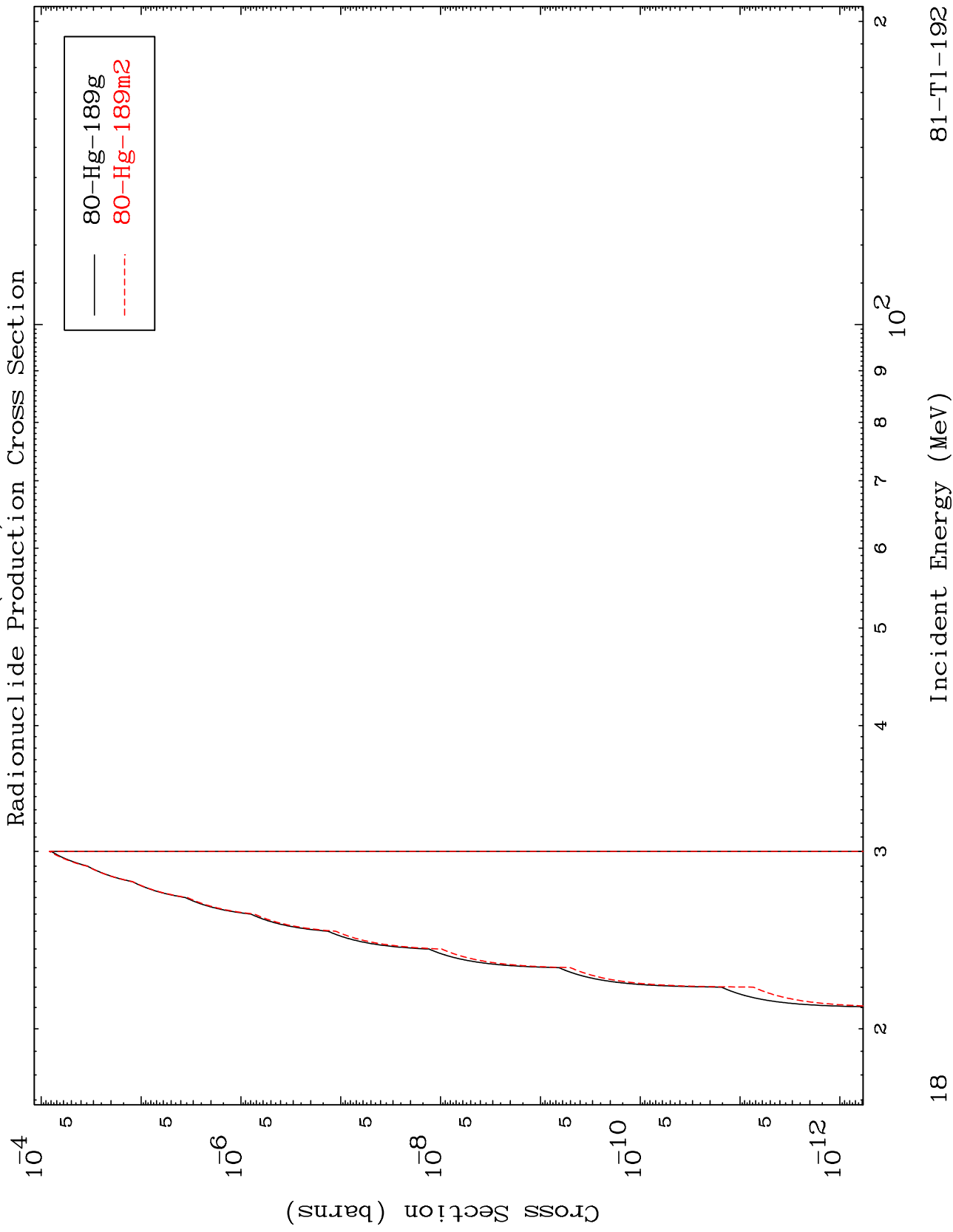


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(n,2n) d

81-T1-192

Radionuclide Production Cross Section



18

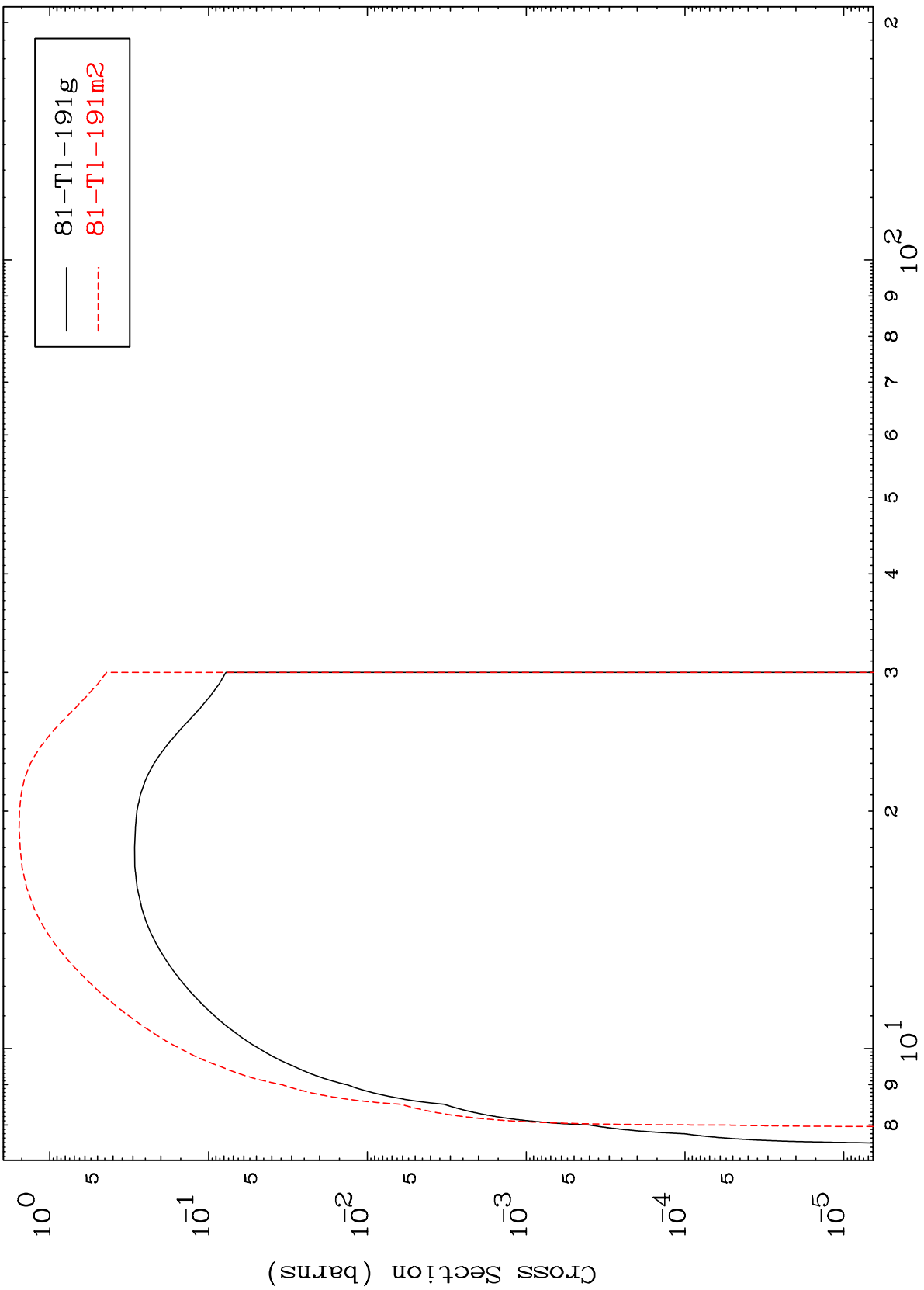
Incident Energy (MeV)

81-T1-192

MAT 8093

81-Tl-192

(n,2n)  
Radionuclide Production Cross Section



81-Tl-191g  
81-Tl-191m2

19

Incident Energy (MeV)

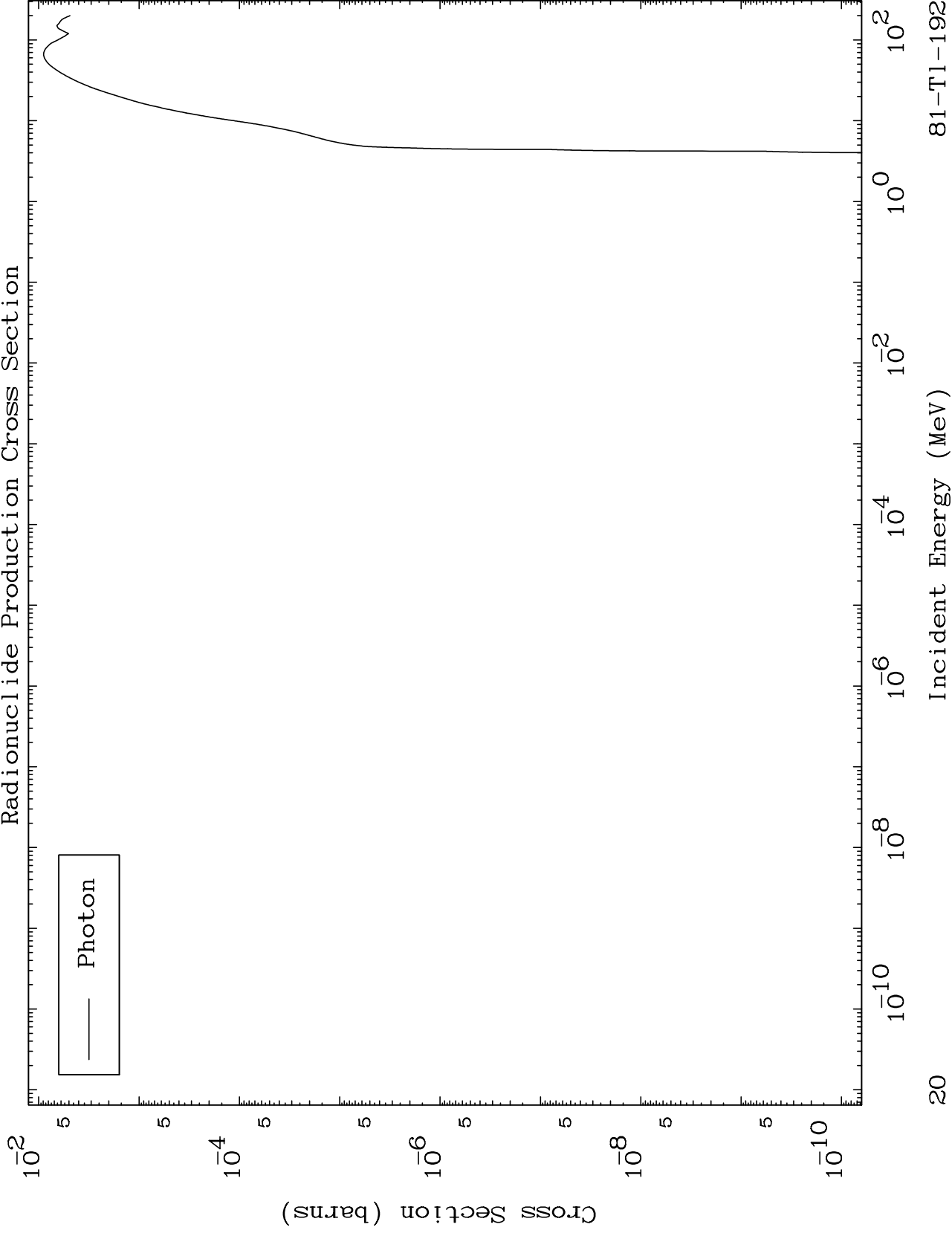
81-Tl-192

MAT 8093

Fission

81-Tl-192

Radionuclide Production Cross Section

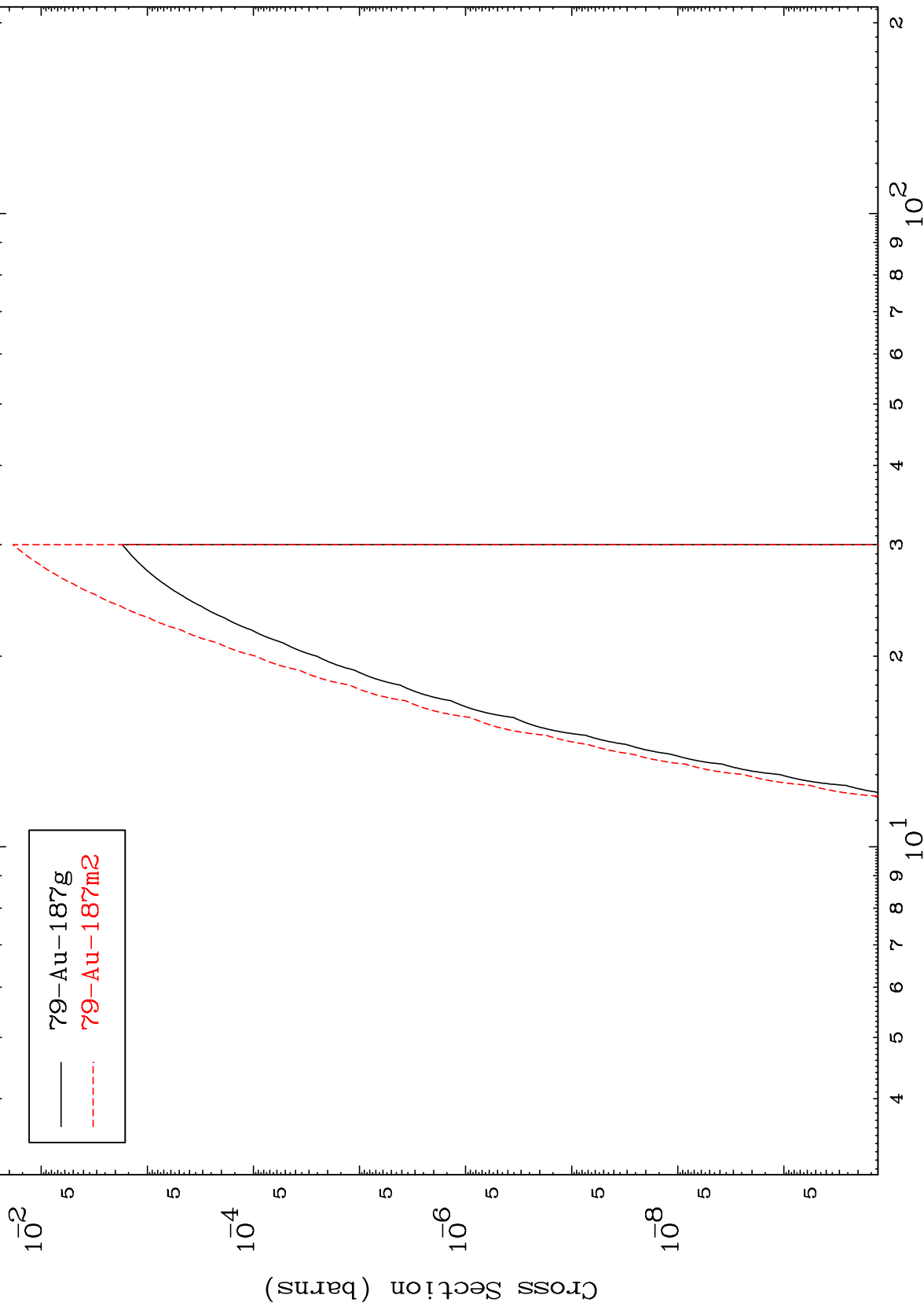


MAT 8093

(n,2n)  $\alpha$

81-Tl-192

Radionuclide Production Cross Section

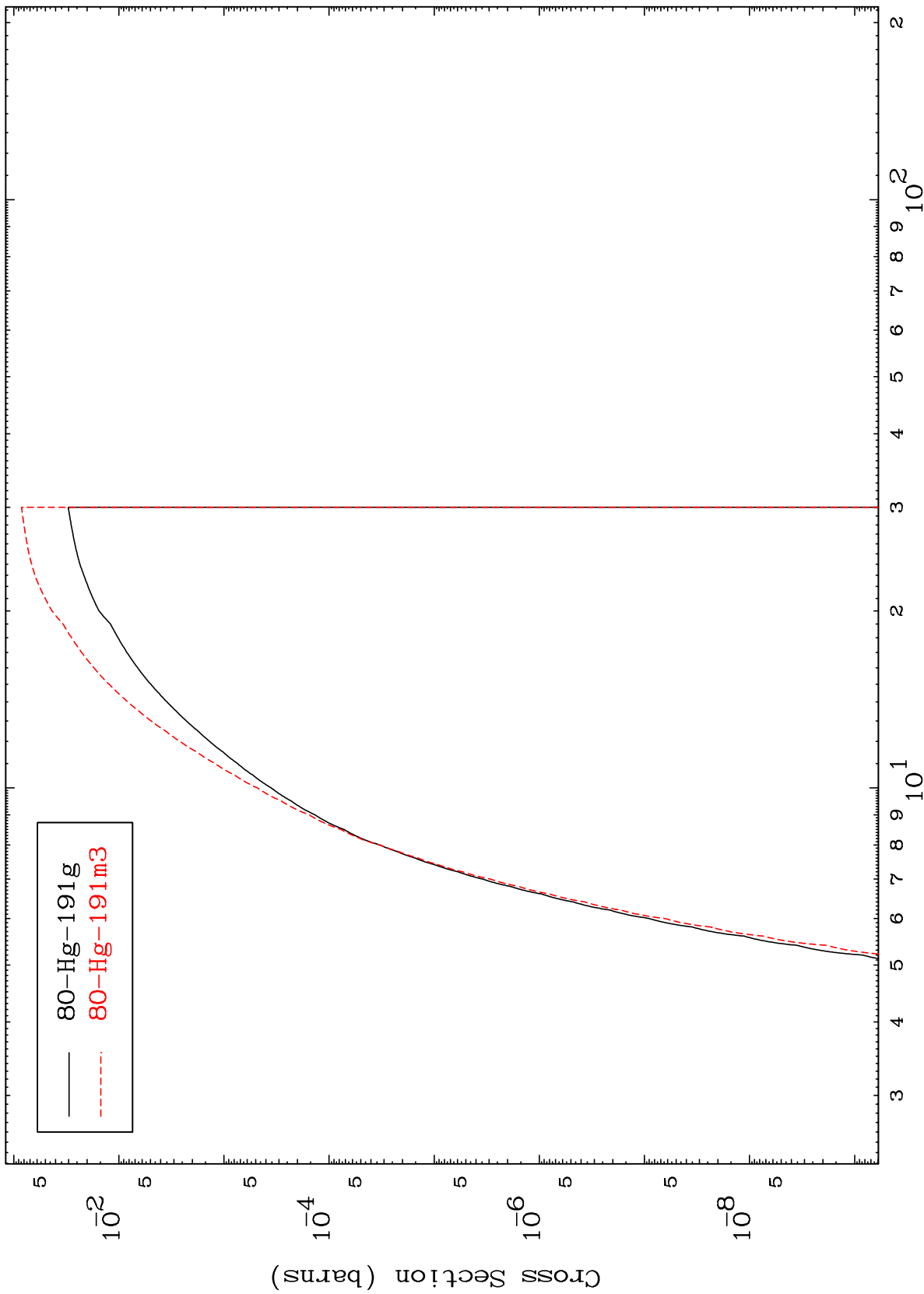


79-Au-187g  
79-Au-187m2

MAT 8093

81-T1-192

Radionuclide Production Cross Section



Incident Energy (MeV)

81-T1-192

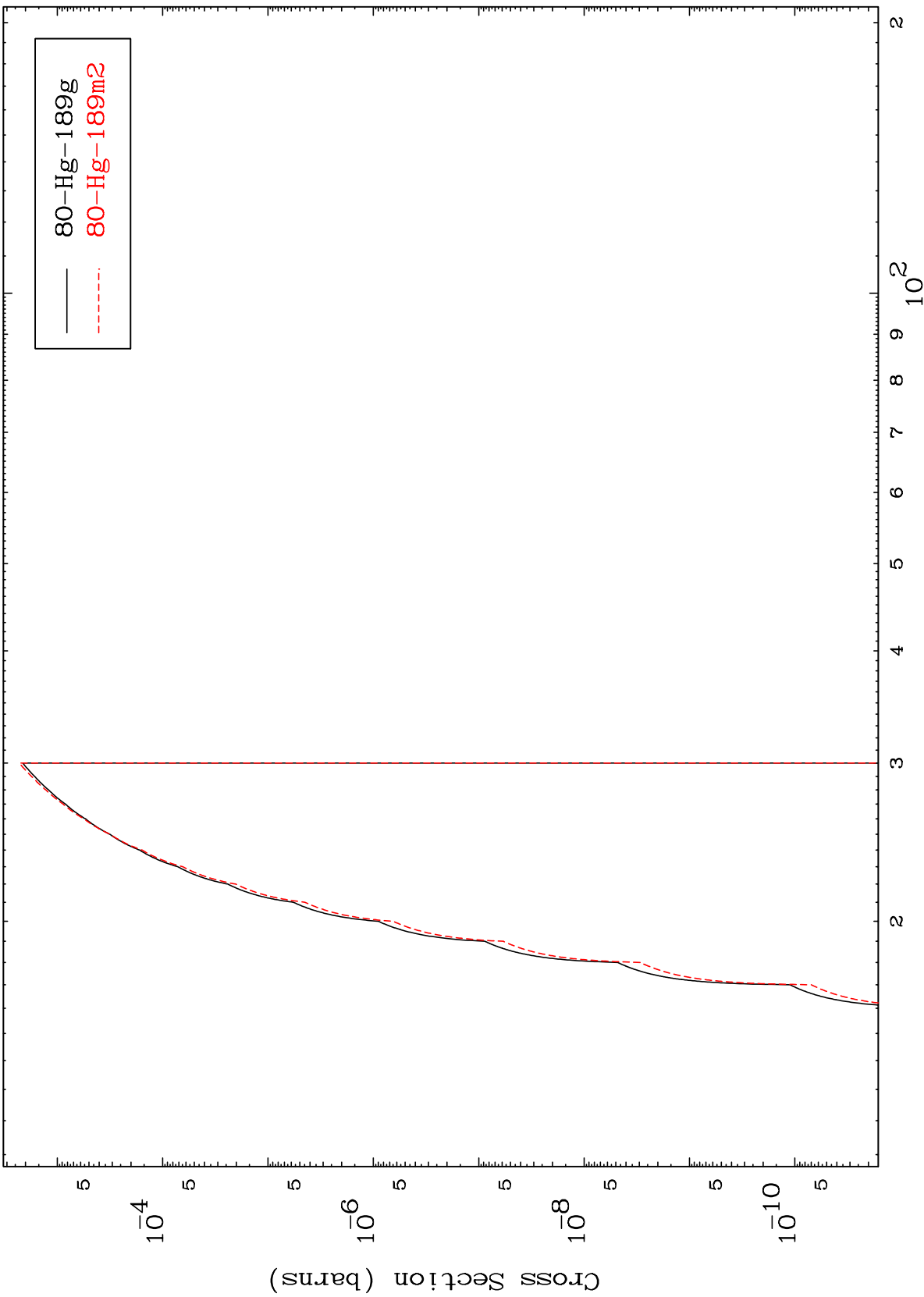
22

MAT 8093

(n,n') t

81-T1-192

Radionuclide Production Cross Section



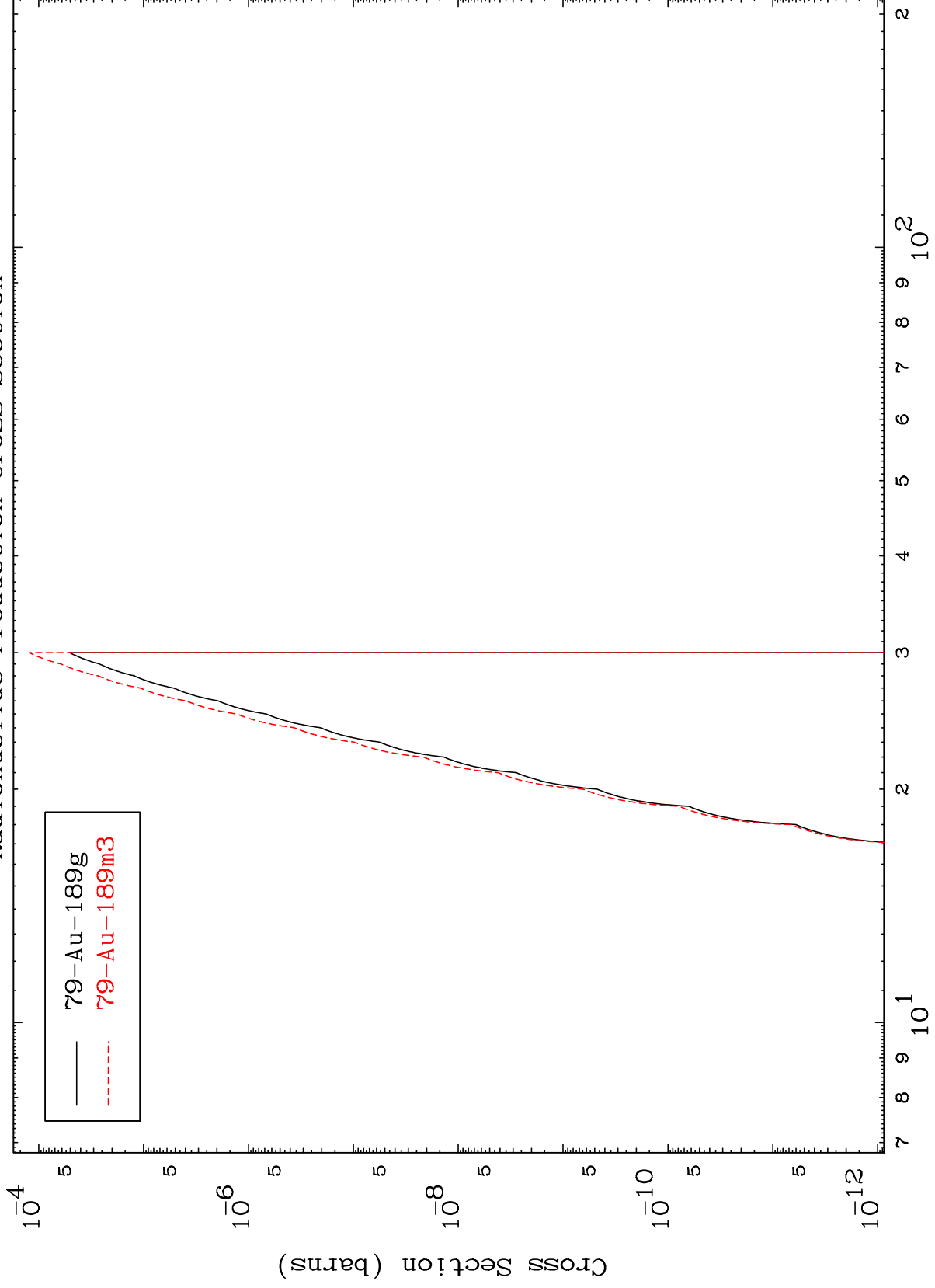


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(n,n') He-3

81-T1-192

Radionuclide Production Cross Section



79-Au-189g  
79-Au-189m3

24

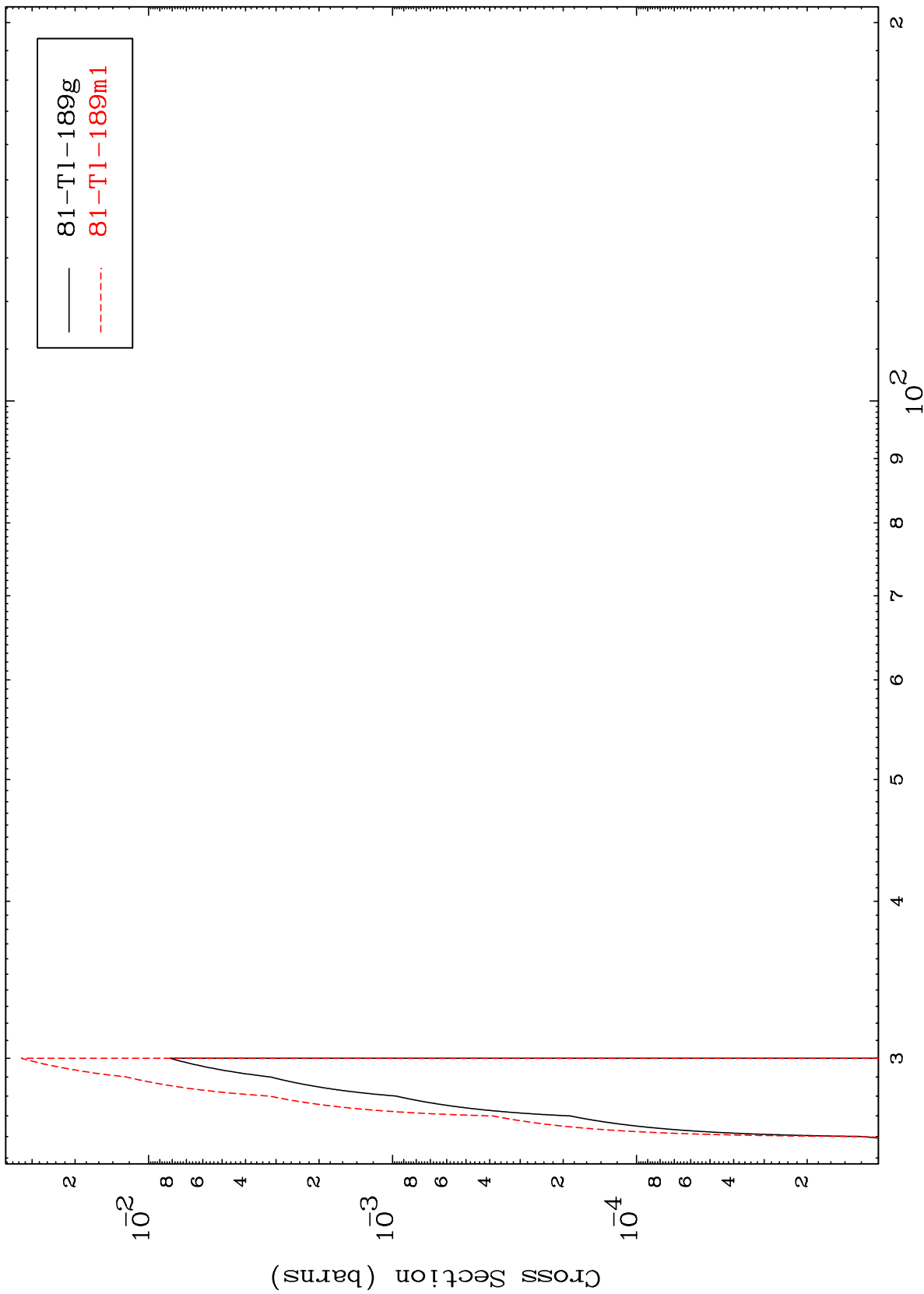
Incident Energy (MeV)

81-T1-192

MAT 8093

81-Tl-192

(n,4n)  
Radionuclide Production Cross Section



25

81-Tl-192

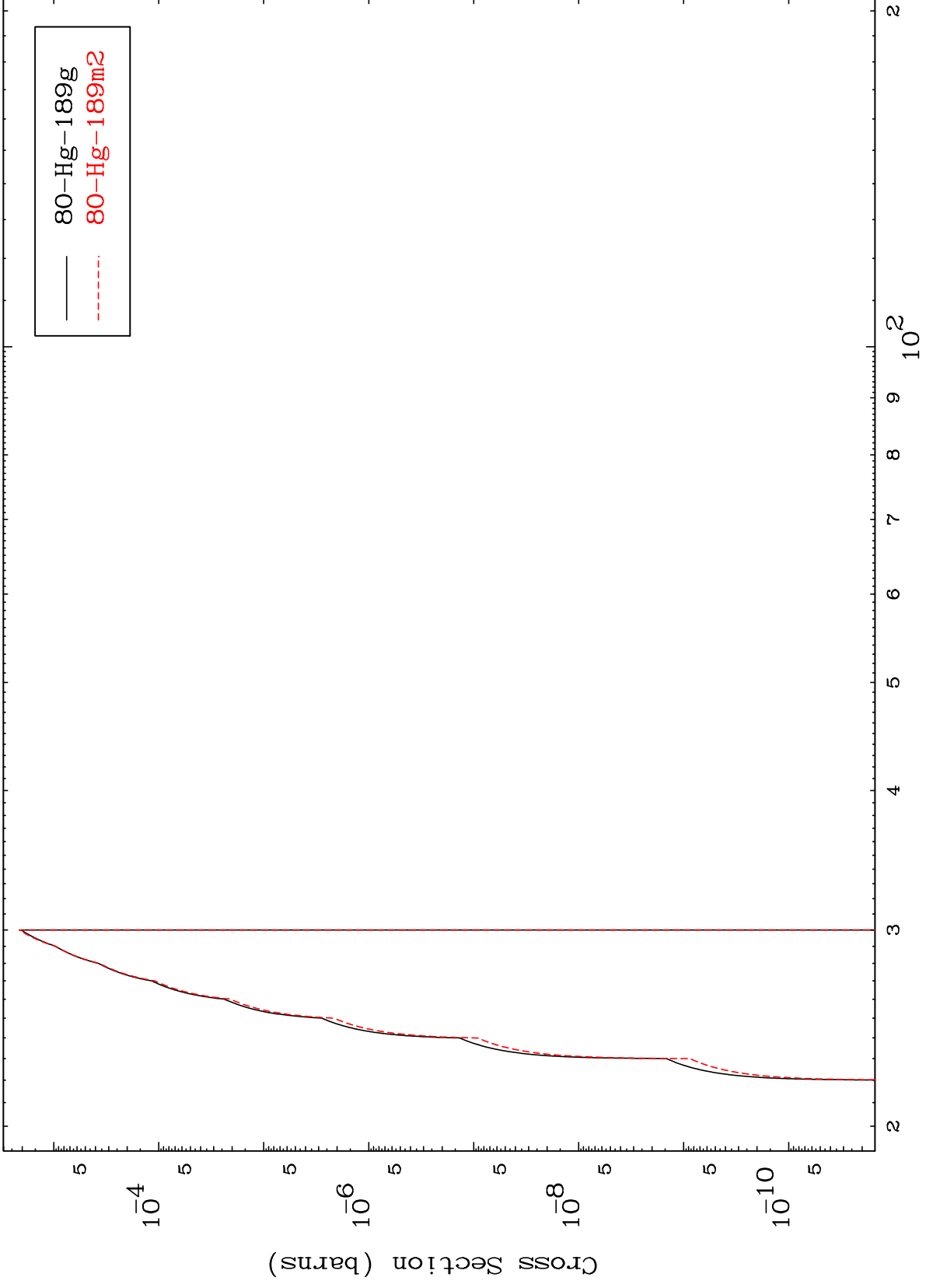
Incident Energy (MeV)

MAT 8093

(n,3n) p

81-T1-192

Radionuclide Production Cross Section



26

Incident Energy (MeV)

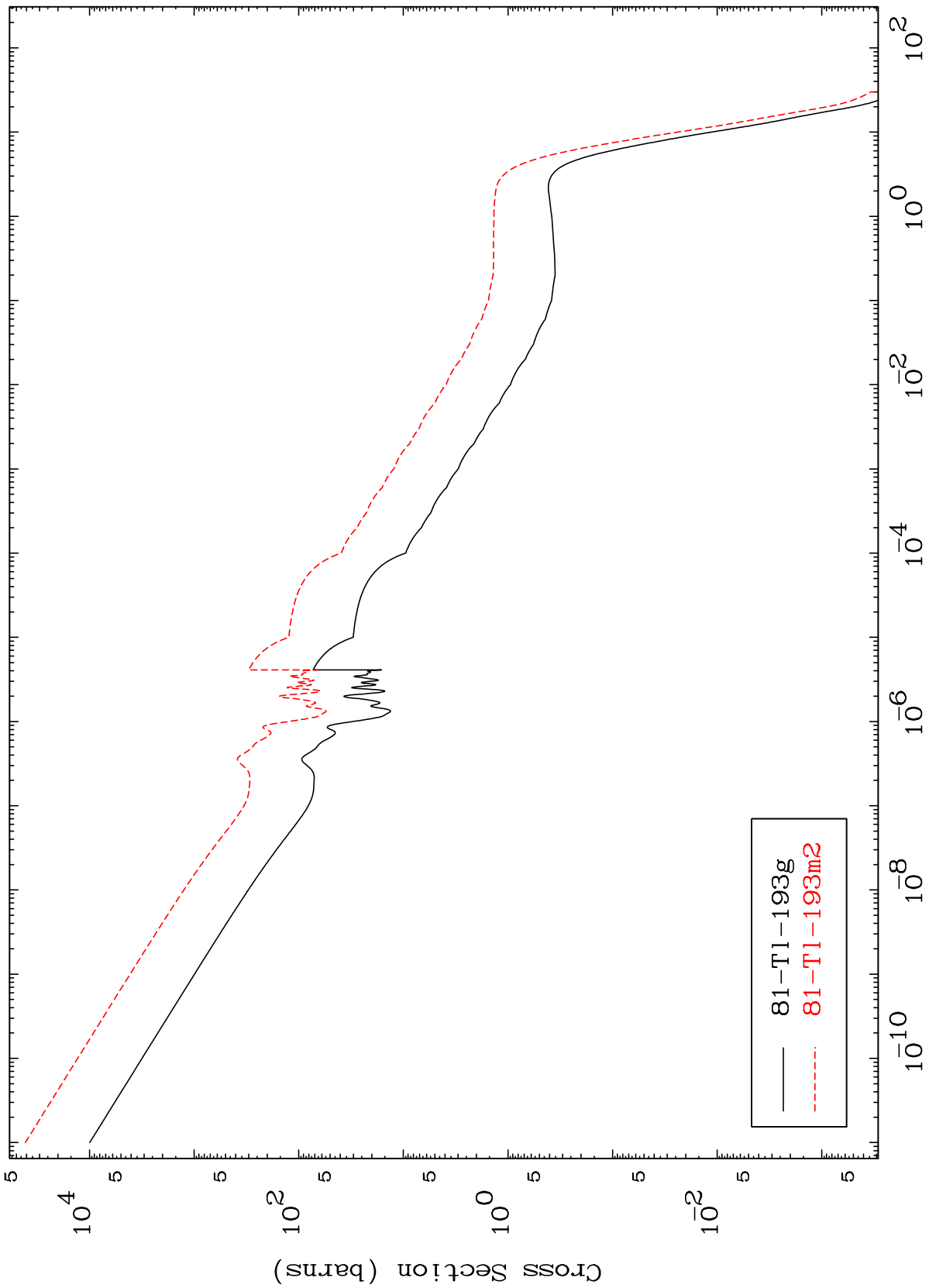
81-T1-192

MAT 8093

81-Tl-192

Radionuclide Production Cross Section

(n,γ)



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

Incident Energy (MeV)

81-Tl-192

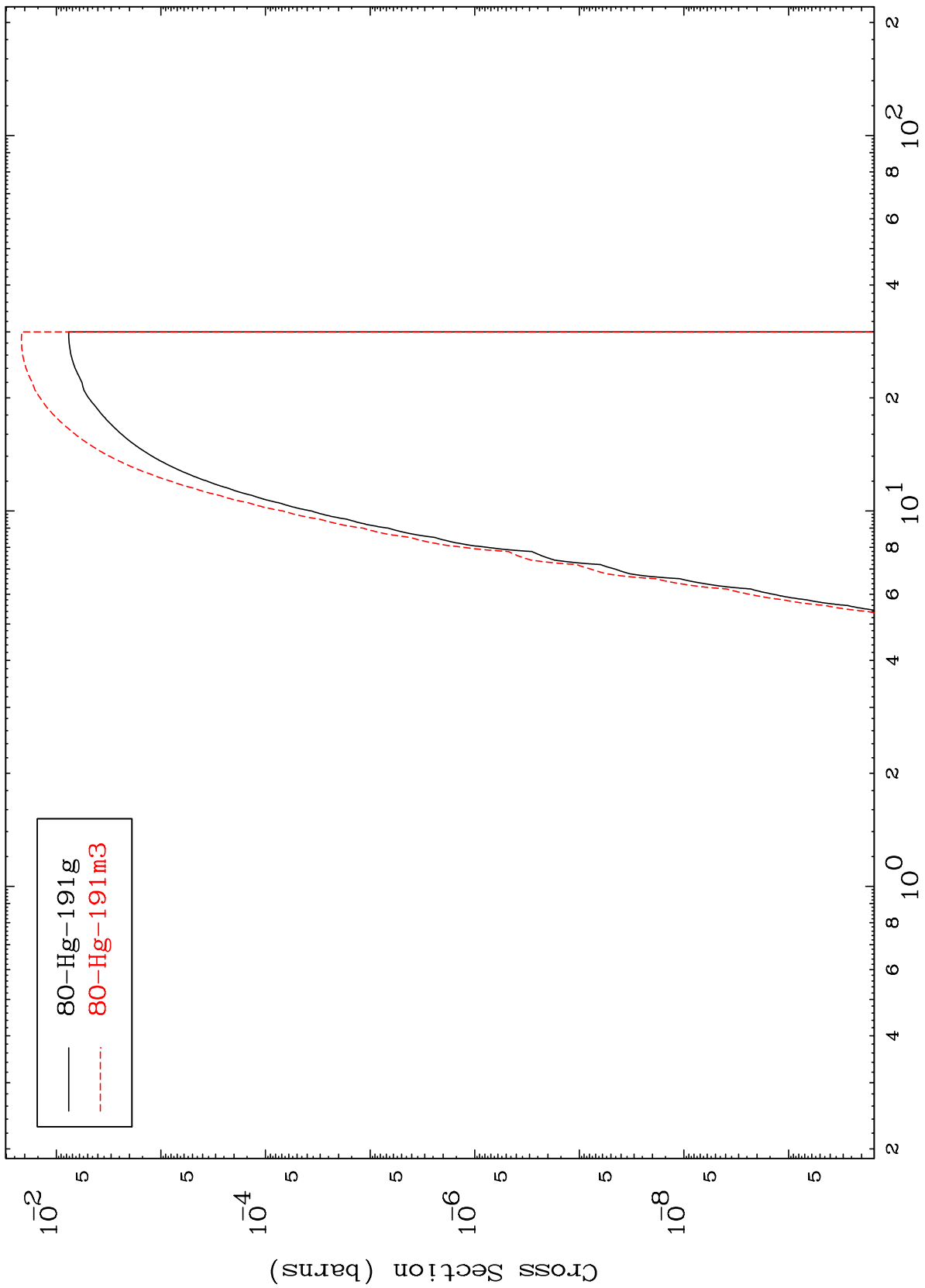
27

MAT 8093

(n,d)

81-Tl-192

Radionuclide Production Cross Section



28

Incident Energy (MeV)

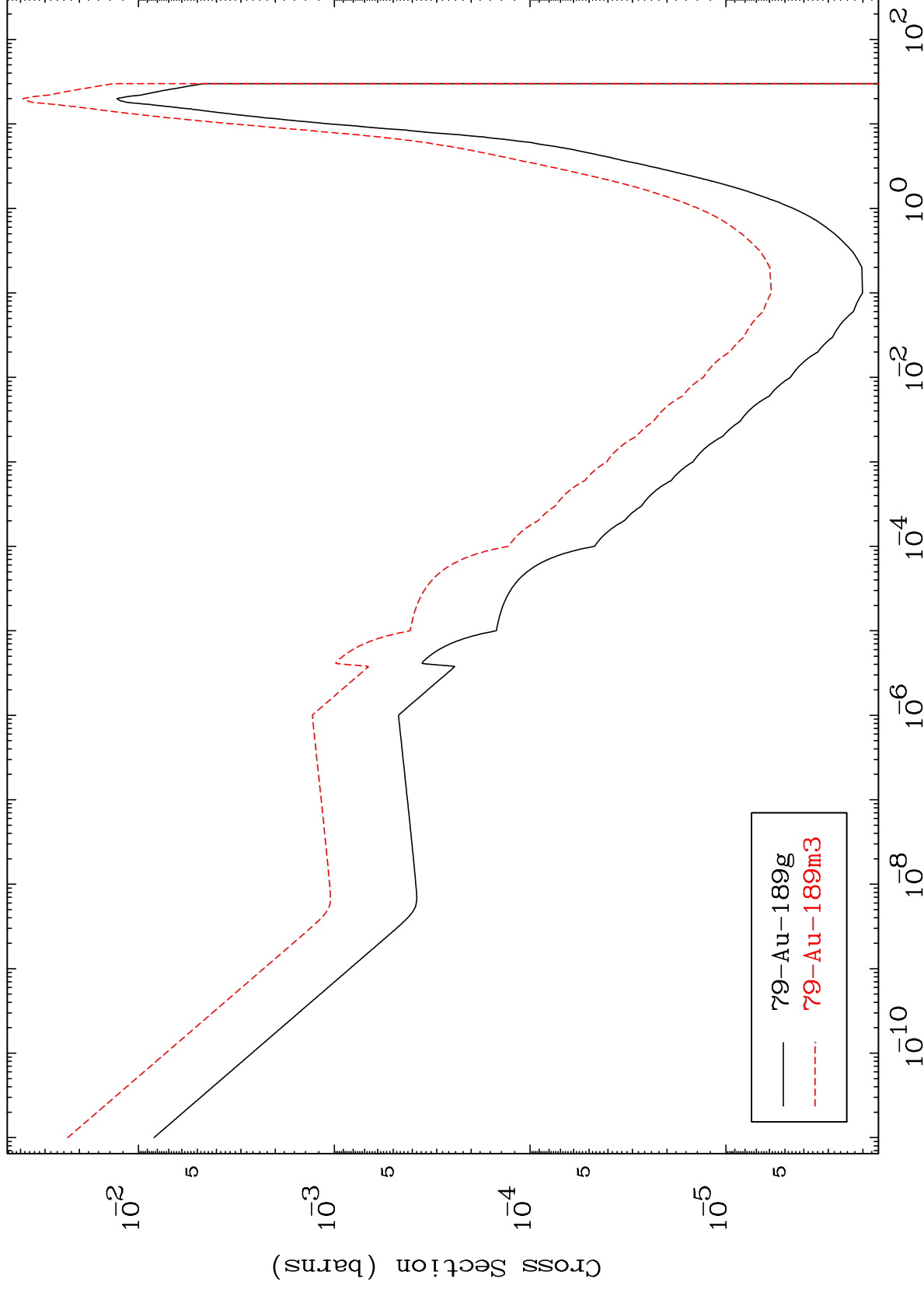
81-Tl-192

MAT 8093

(n,  $\alpha$ )

81-Tl-192

Radionuclide Production Cross Section



29

Incident Energy (MeV)

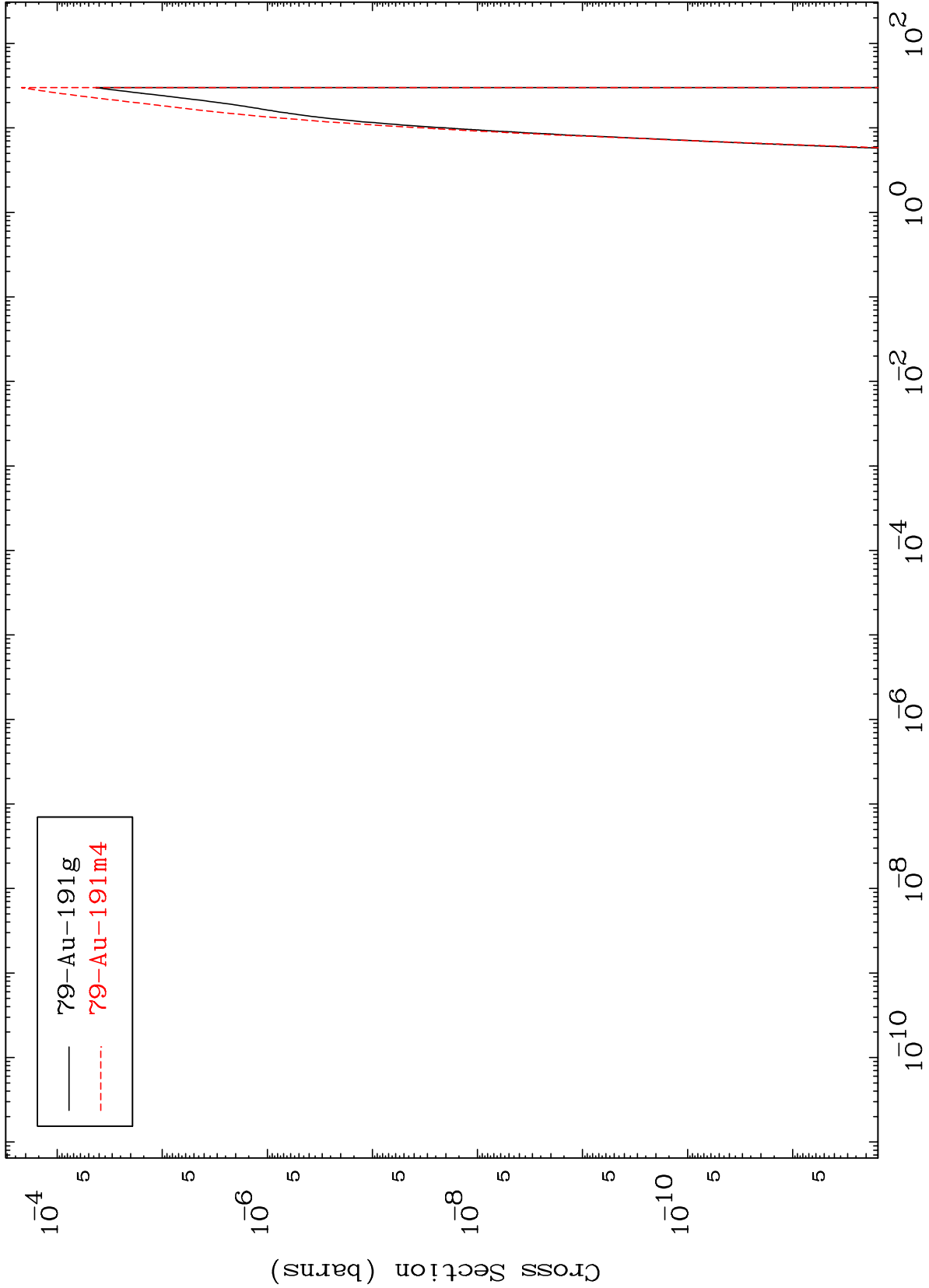
81-Tl-192

MAT 8093

(n,2p)

81-Tl-192

Radionuclide Production Cross Section



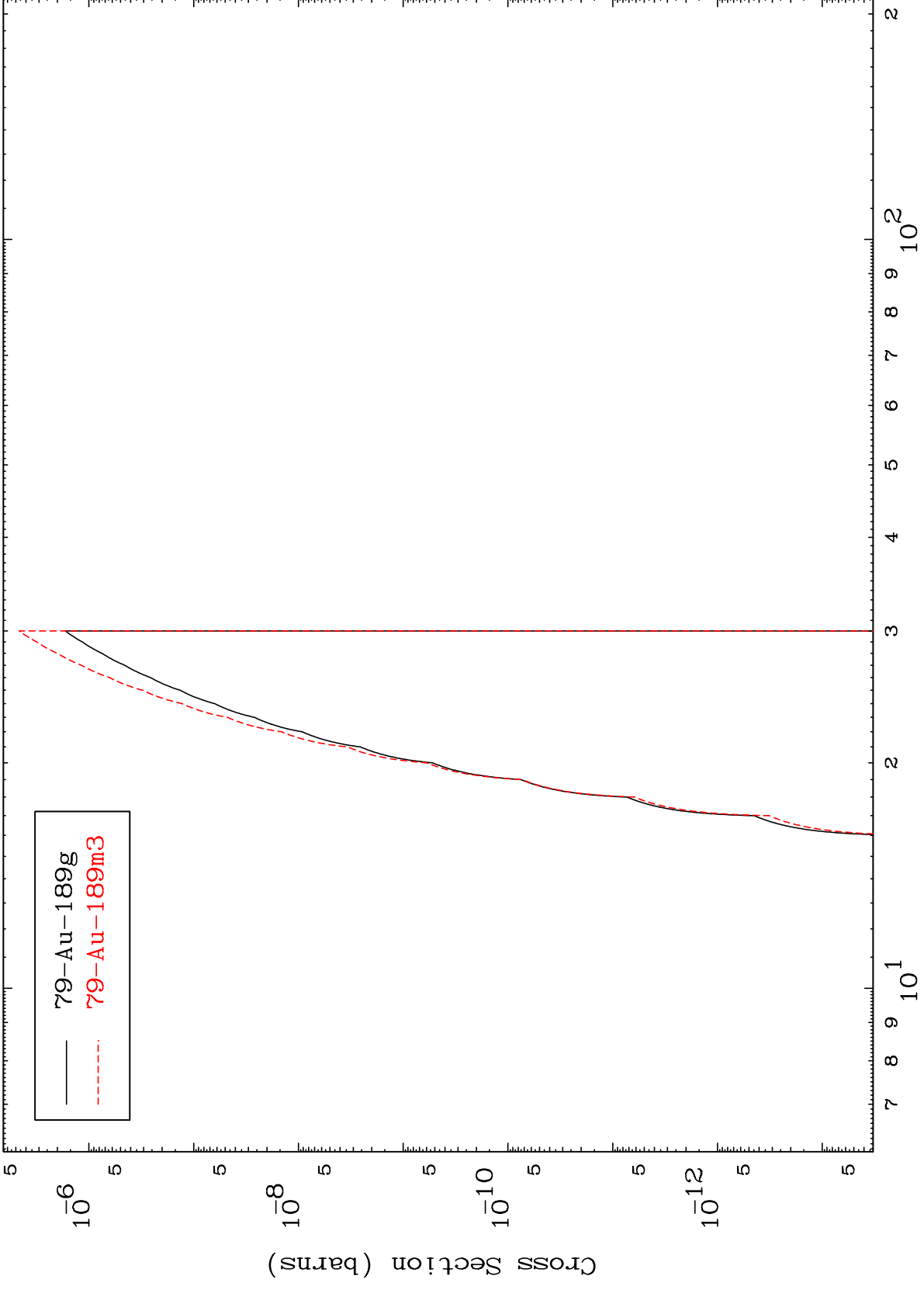
—  $^{79}\text{Au-191g}$   
- - -  $^{79}\text{Au-191m4}$

MAT 8093

(n,p) t

81-Tl-192

Radionuclide Production Cross Section



31

Incident Energy (MeV)

81-Tl-192