

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

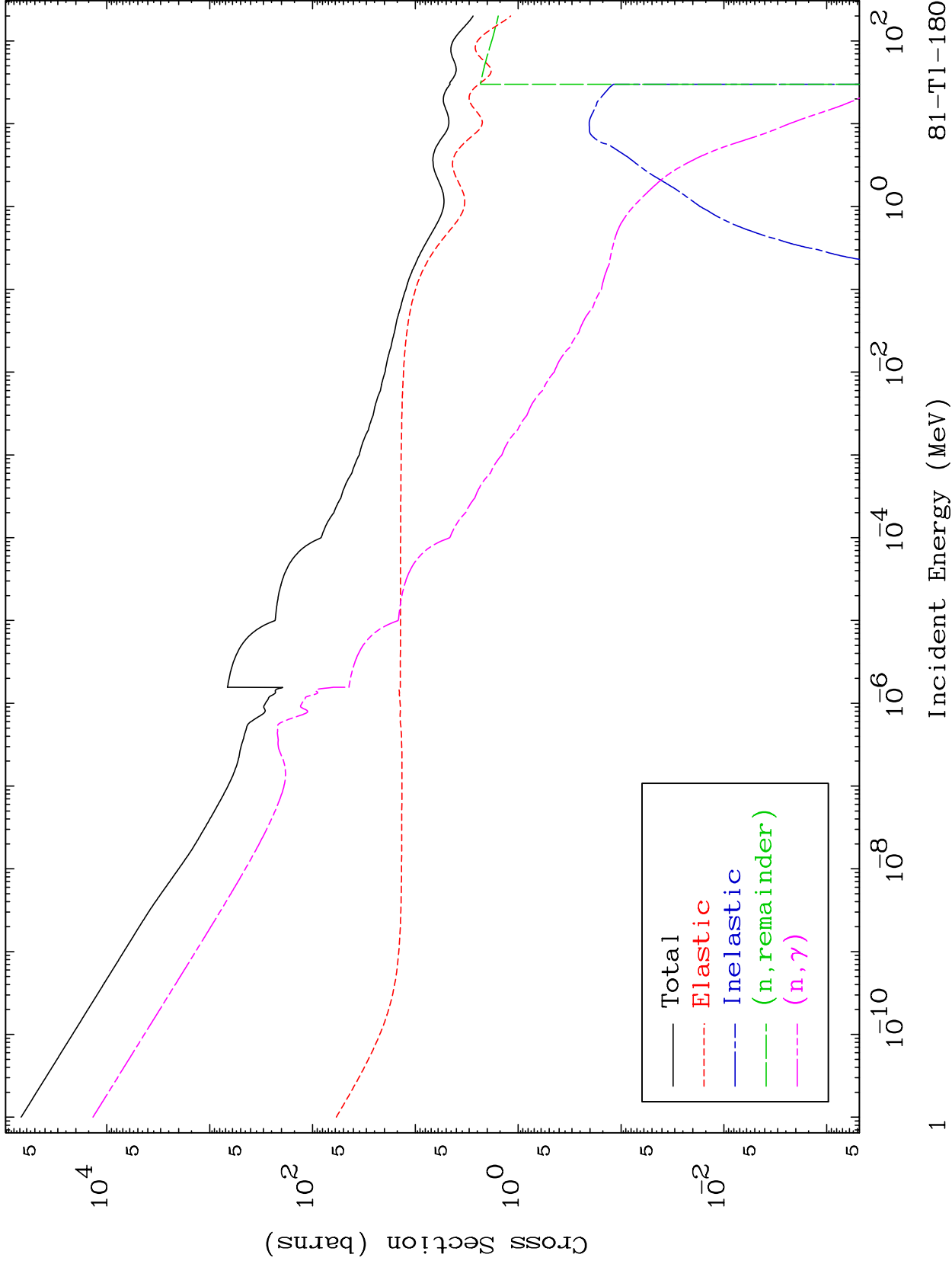
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8056

Major  
293 Kelvin Cross Sections

81-Tl-180

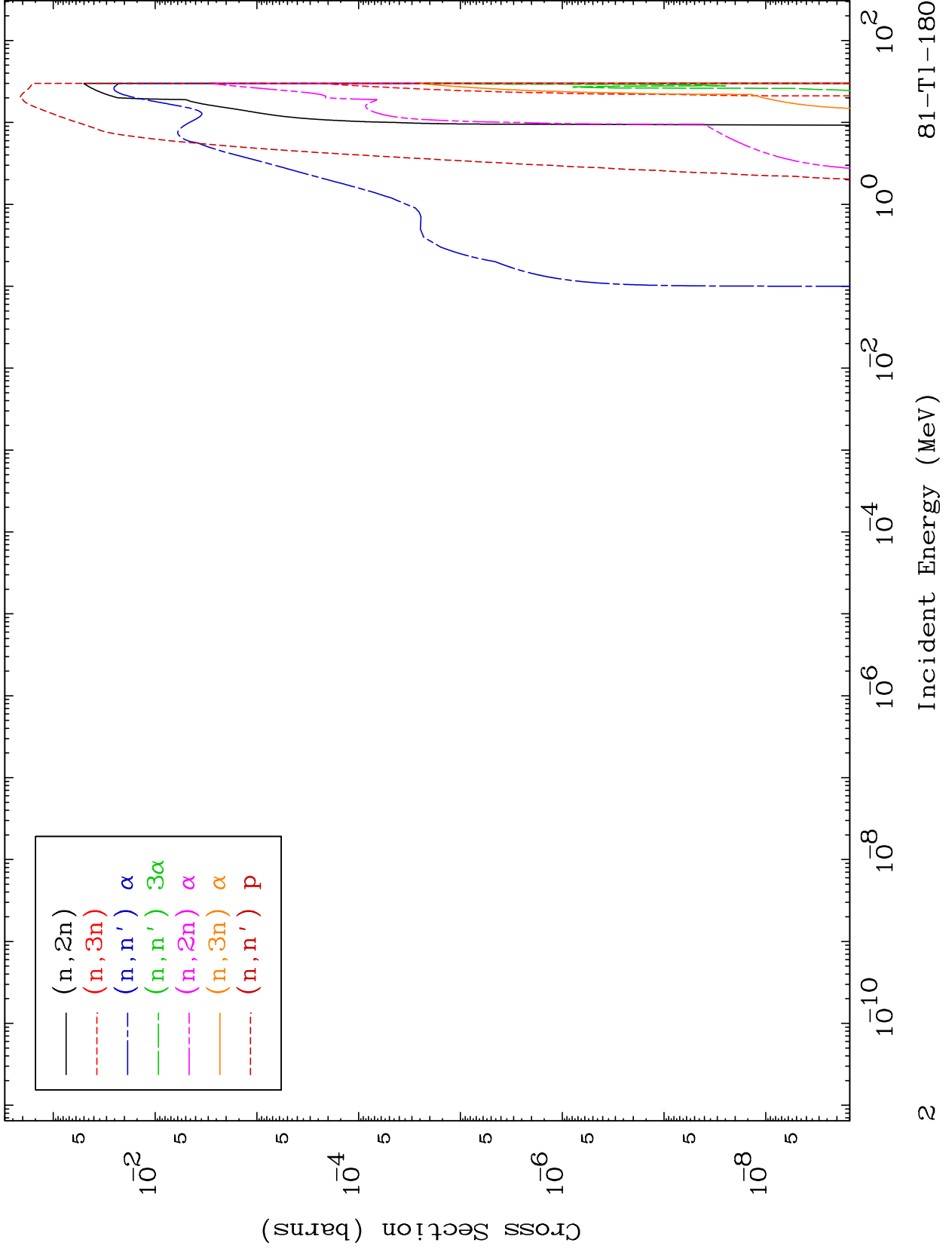


1

MAT 8056

Neutron Production  
293 Kelvin Cross Sections

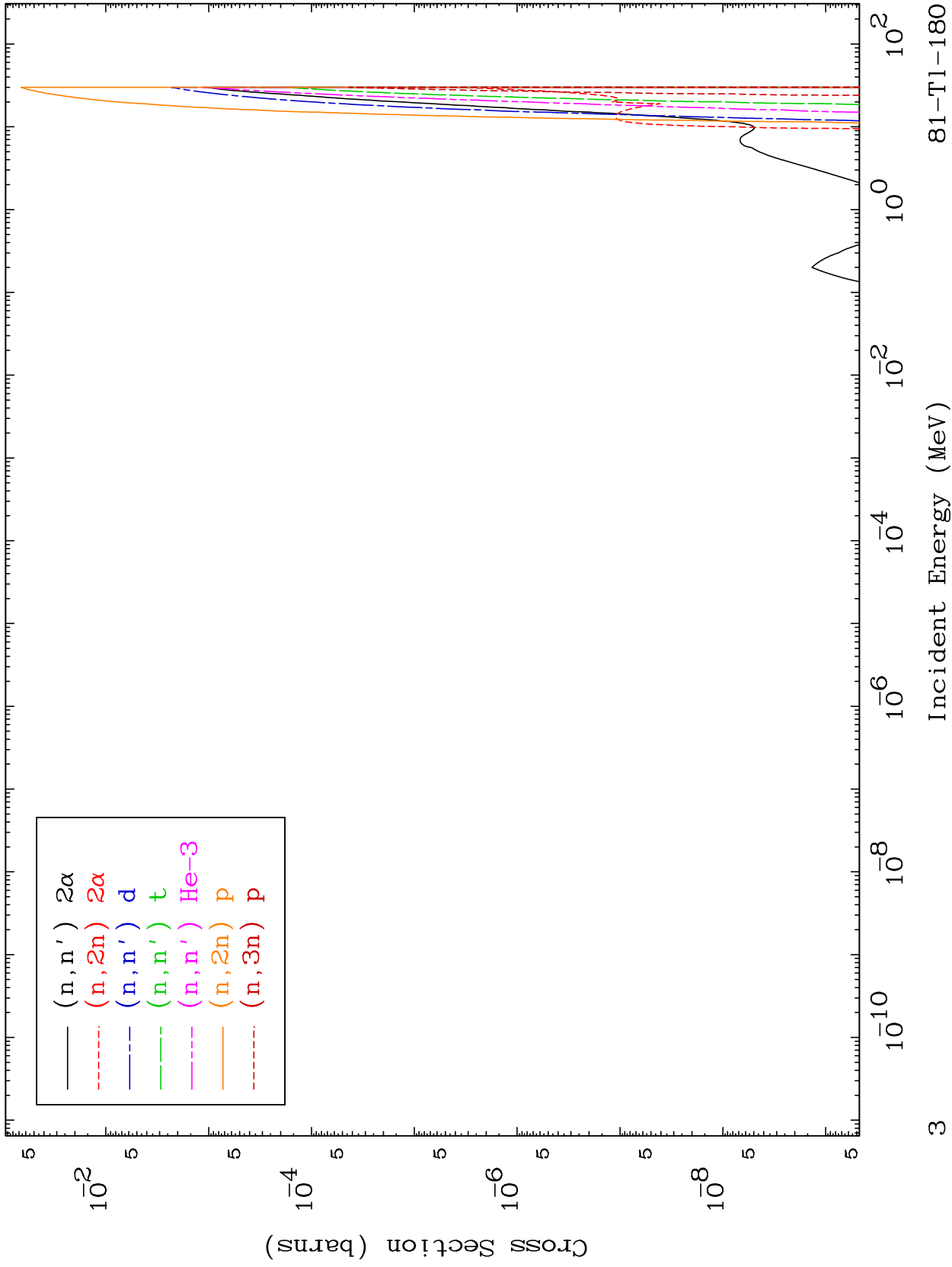
81-Tl-180



MAT 8056

Neutron Production  
293 Kelvin Cross Sections

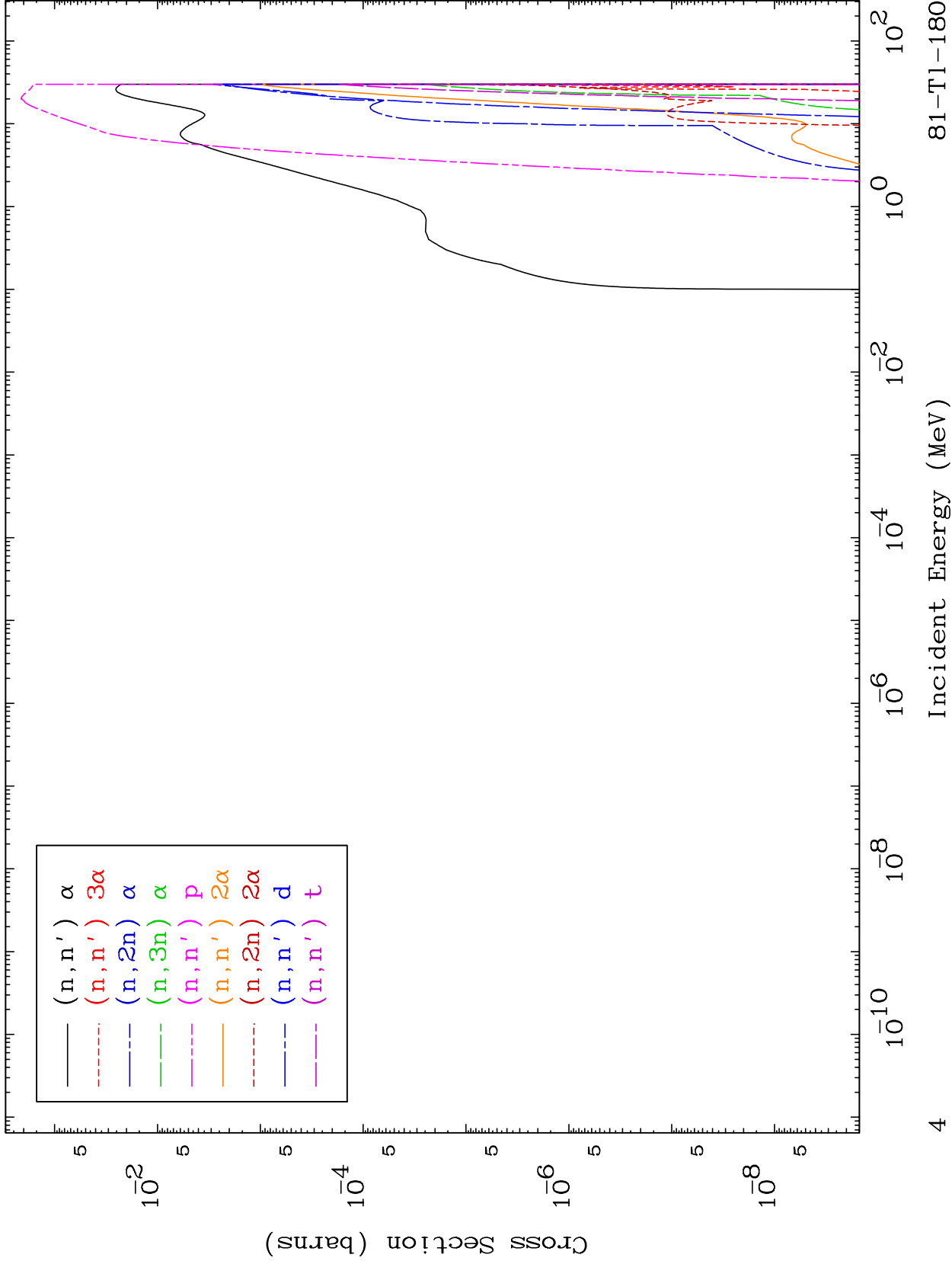
81-Tl-180



MAT 80566

Charged Particle  
293 Kelvin Cross Sections

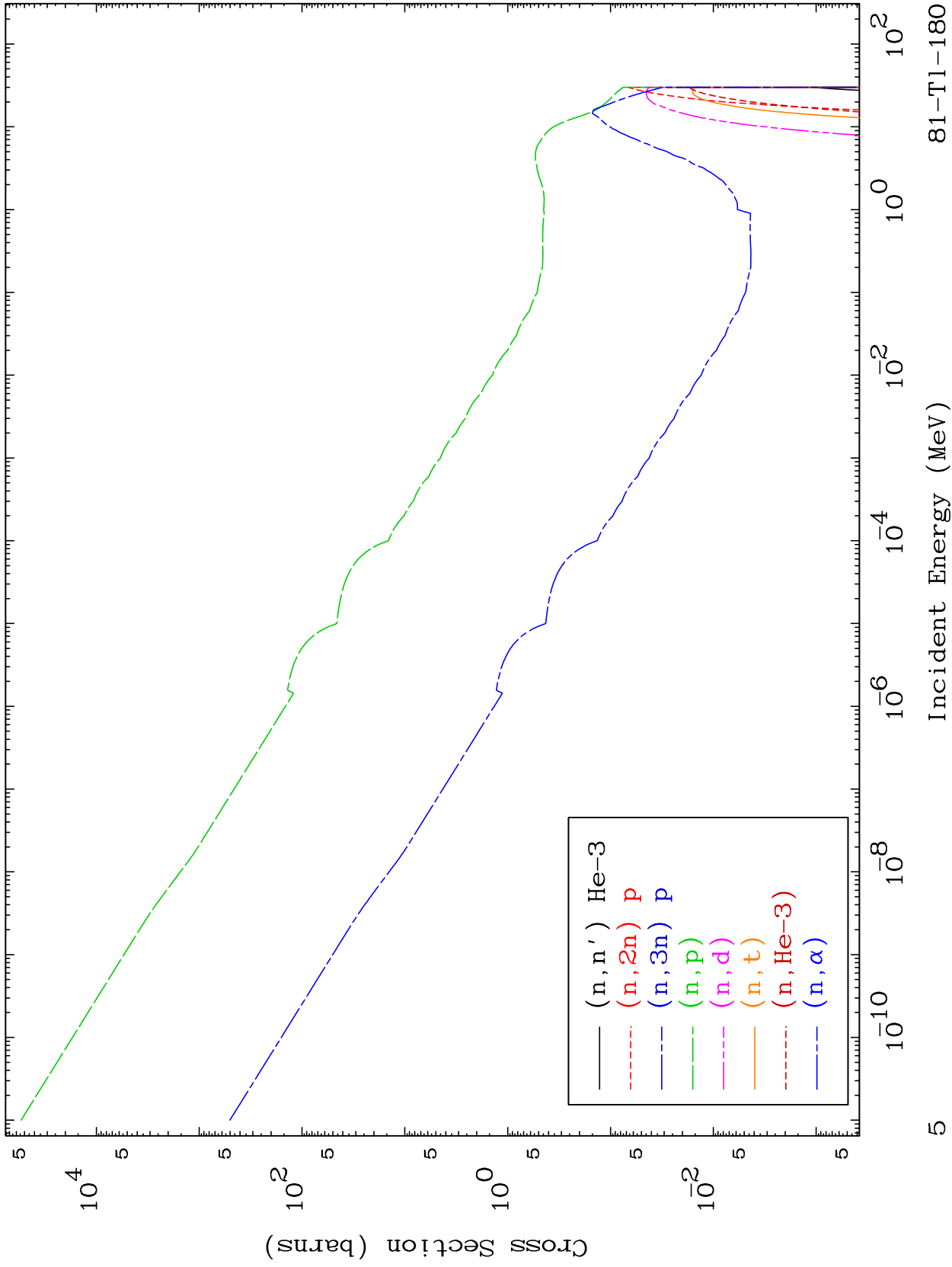
81-Tl-180



MAT 80566

Charged Particle  
293 Kelvin Cross Sections

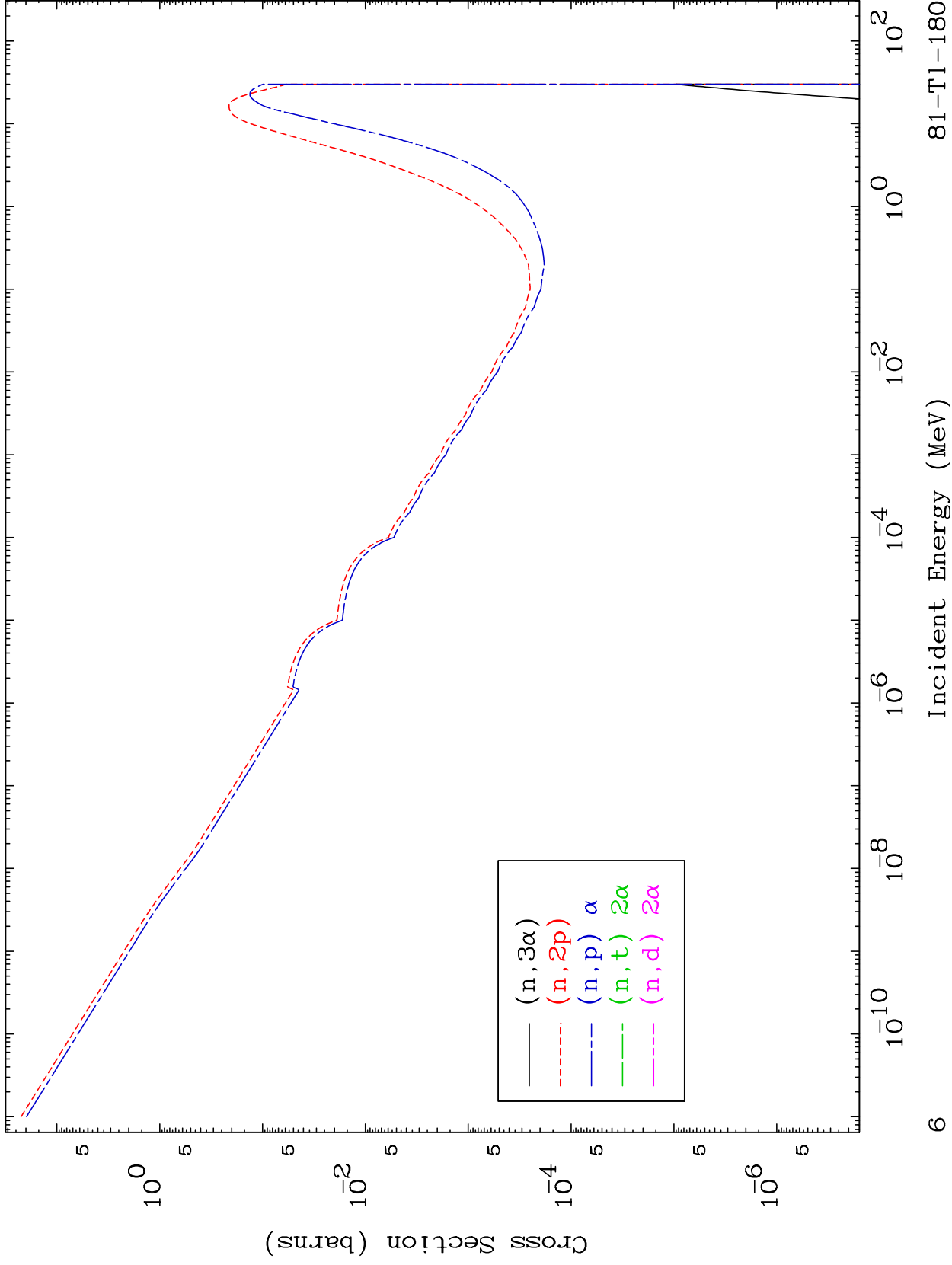
81-Tl-180



MAT 8056

Charged Particle  
293 Kelvin Cross Sections

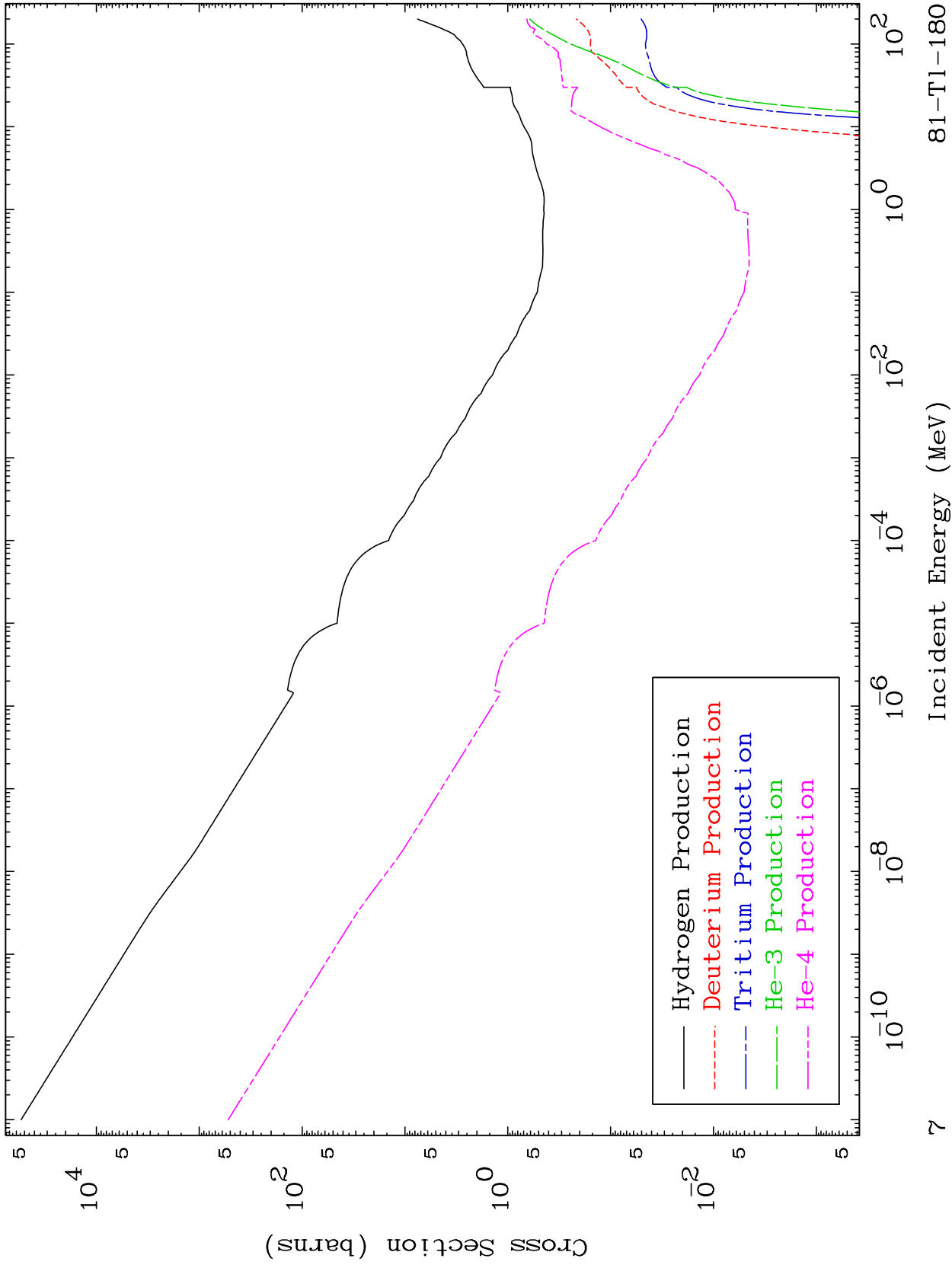
81-Tl-180



MAT 8056

Particle Production  
293 Kelvin Cross Sections

81-T1-180

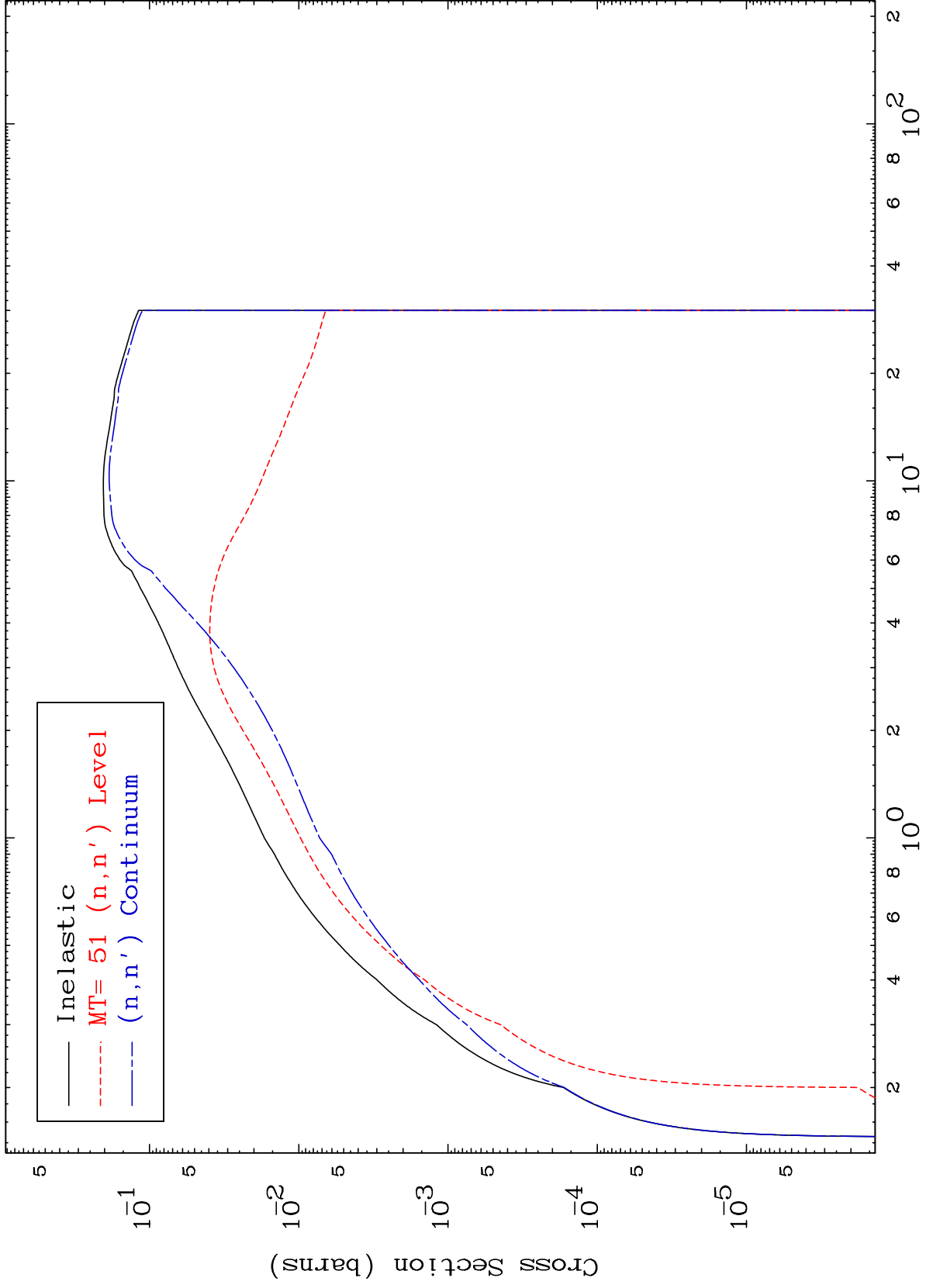




MAT 8056

(n,n') Level  
293 Kelvin Cross Sections

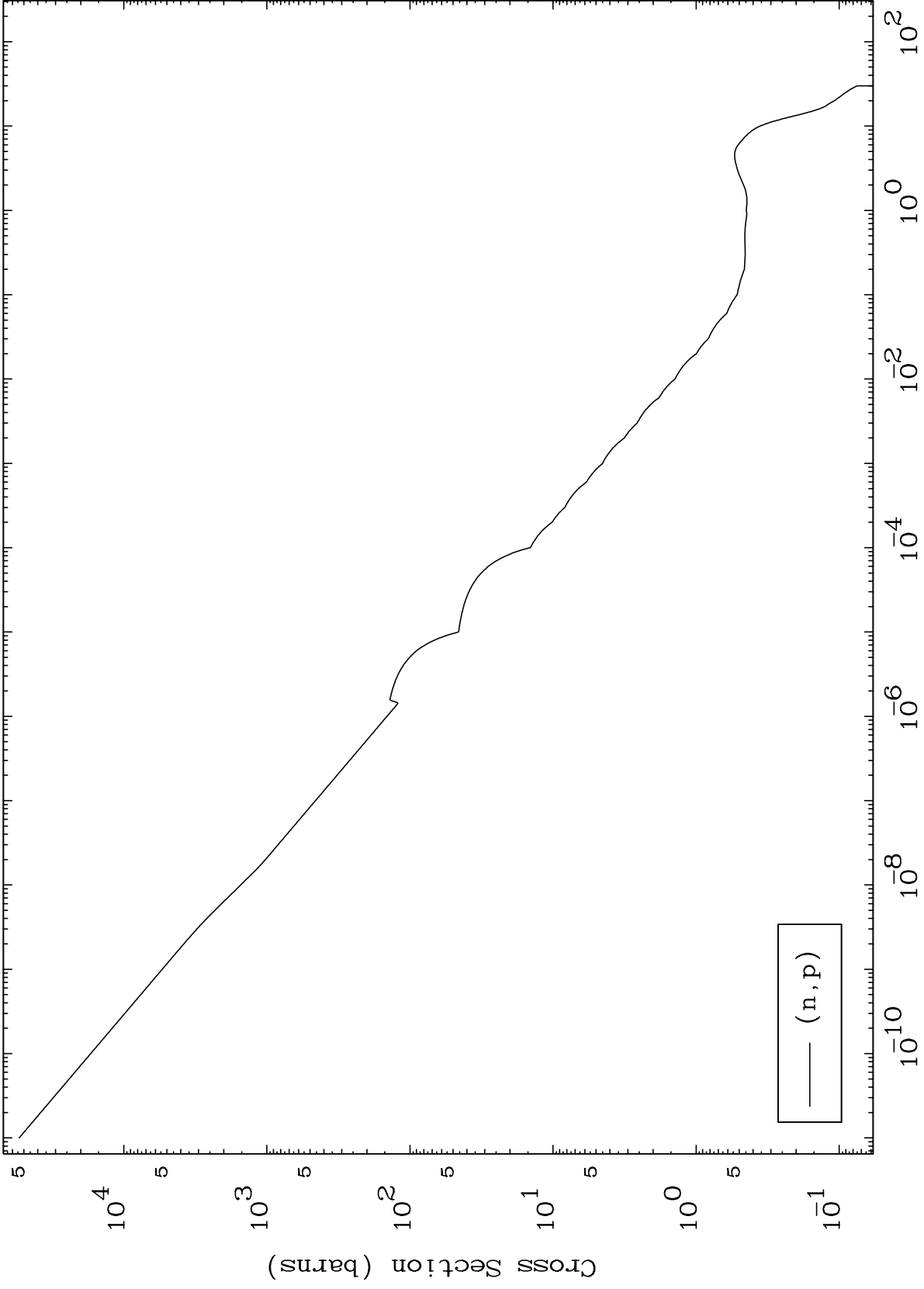
81-Tl-180



MAT 8056

(n,p) Levels  
293 Kelvin Cross Sections

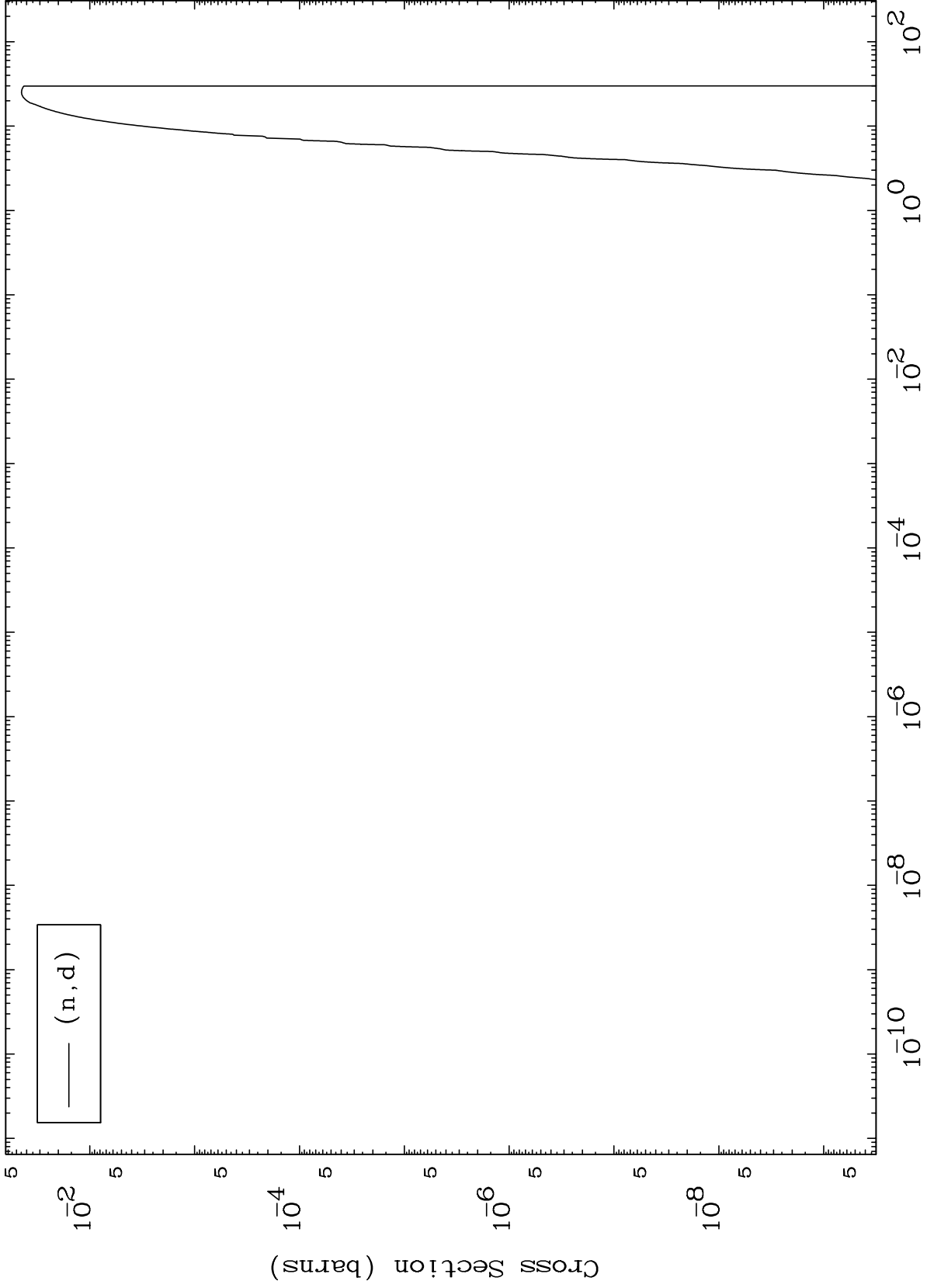
81-Tl-180



MAT 8056

(n,d) Levels  
293 Kelvin Cross Sections

81-Tl-180



(n,d)

10

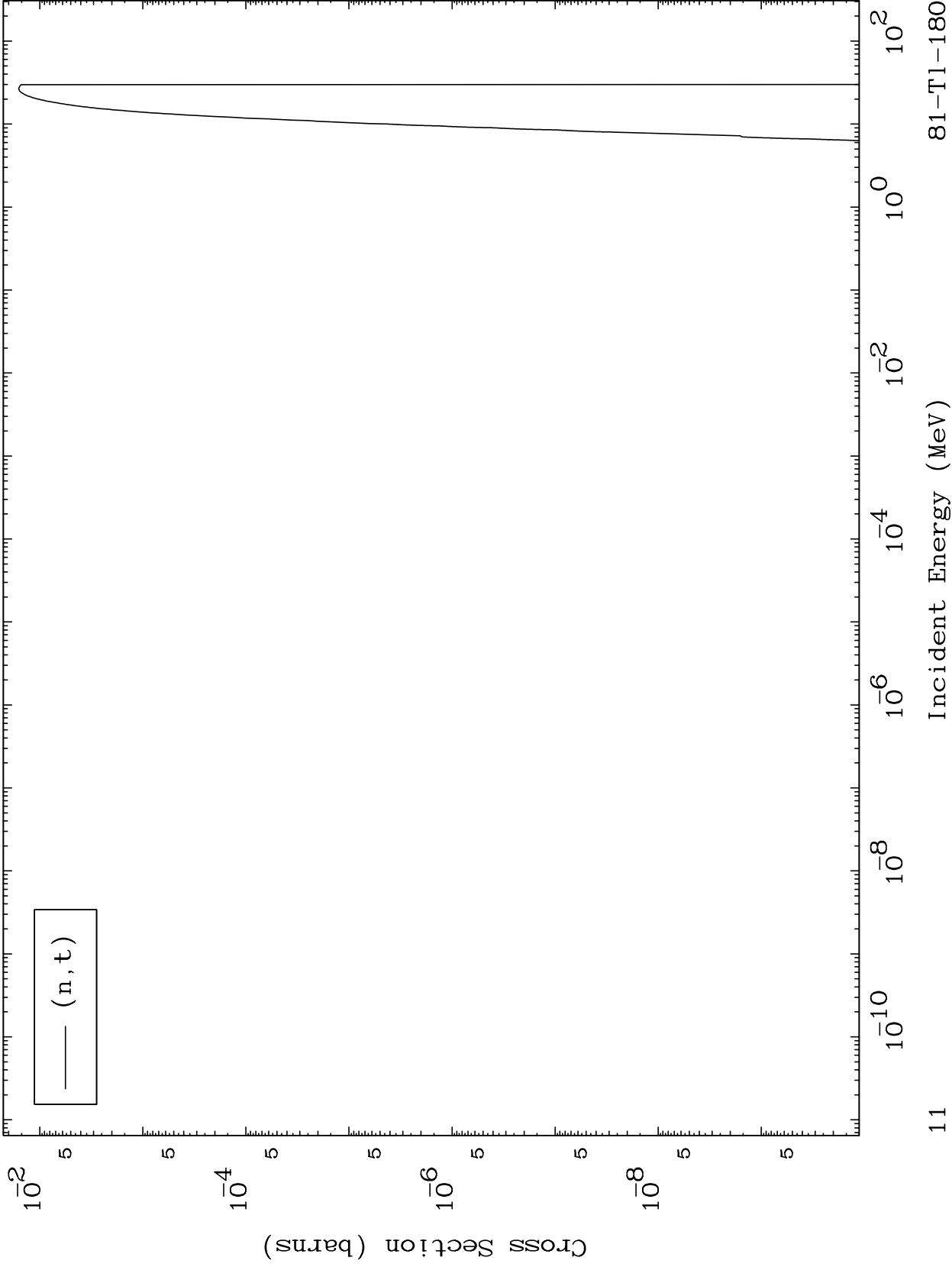
Incident Energy (MeV)

81-Tl-180

MAT 8056

(n,t) Levels  
293 Kelvin Cross Sections

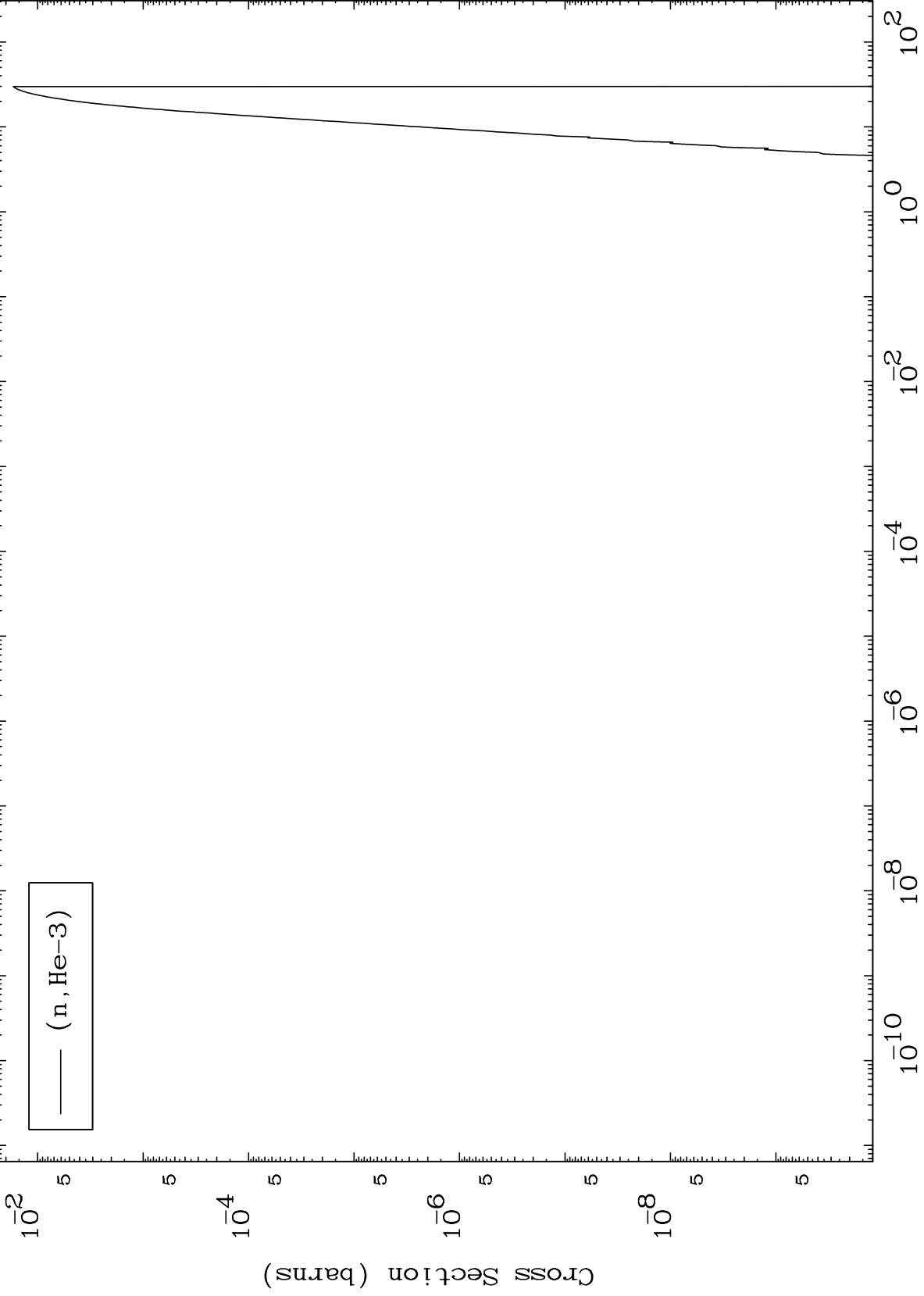
81-Tl-180



MAT 8056

(n,He3) Levels  
293 Kelvin Cross Sections

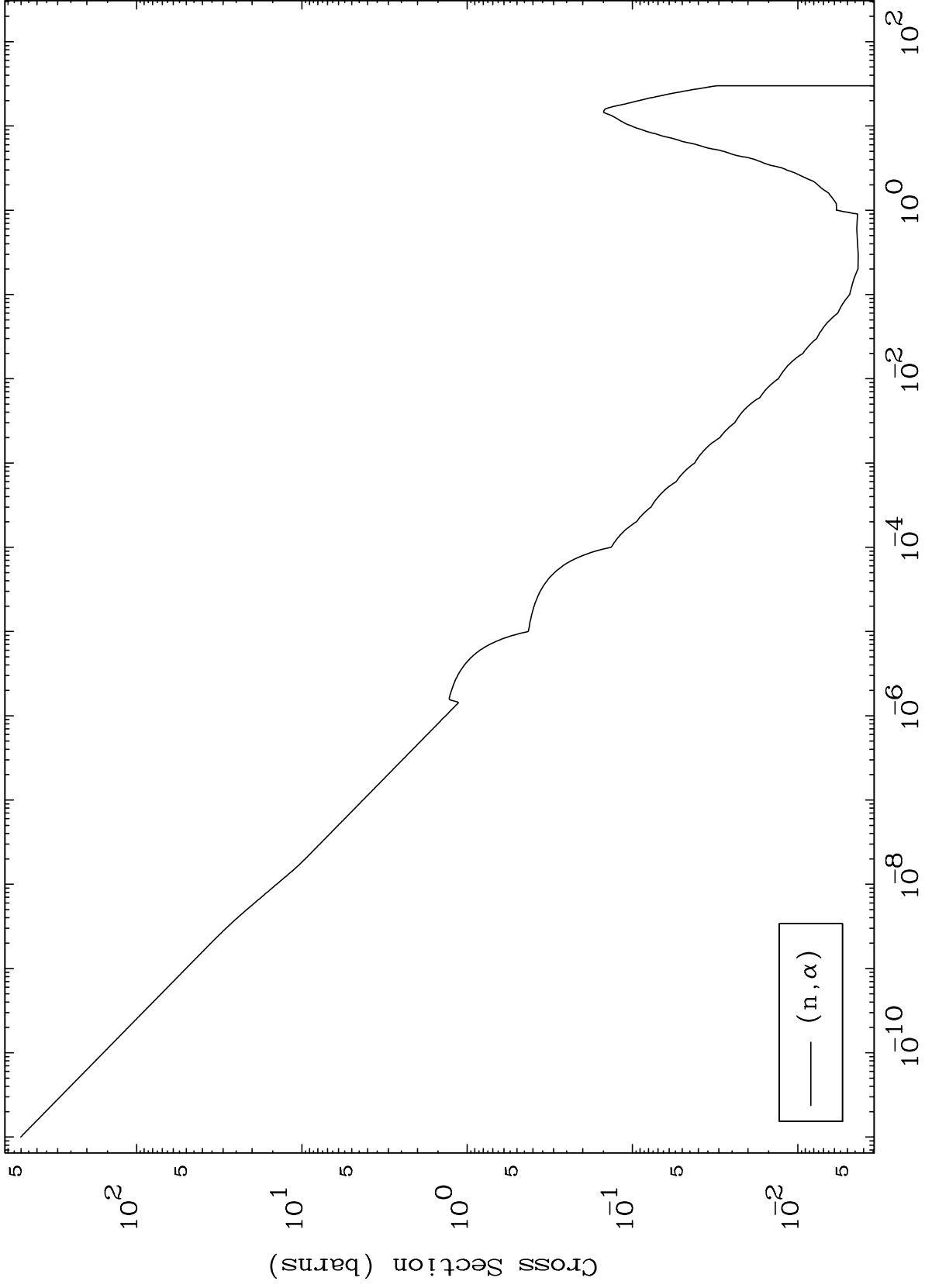
81-T1-180

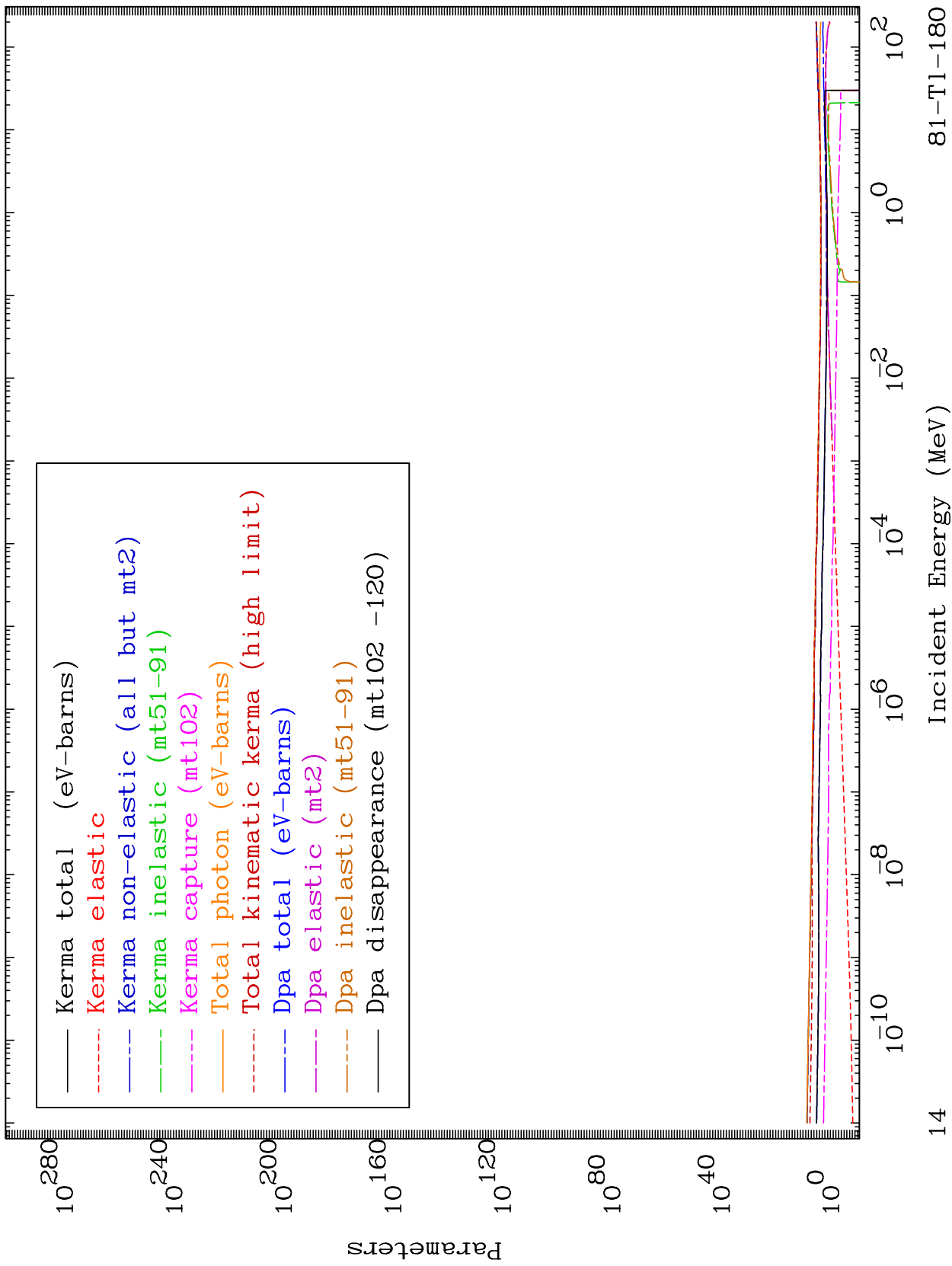


MAT 8056

(n,α) Levels  
293 Kelvin Cross Sections

81-Tl-180





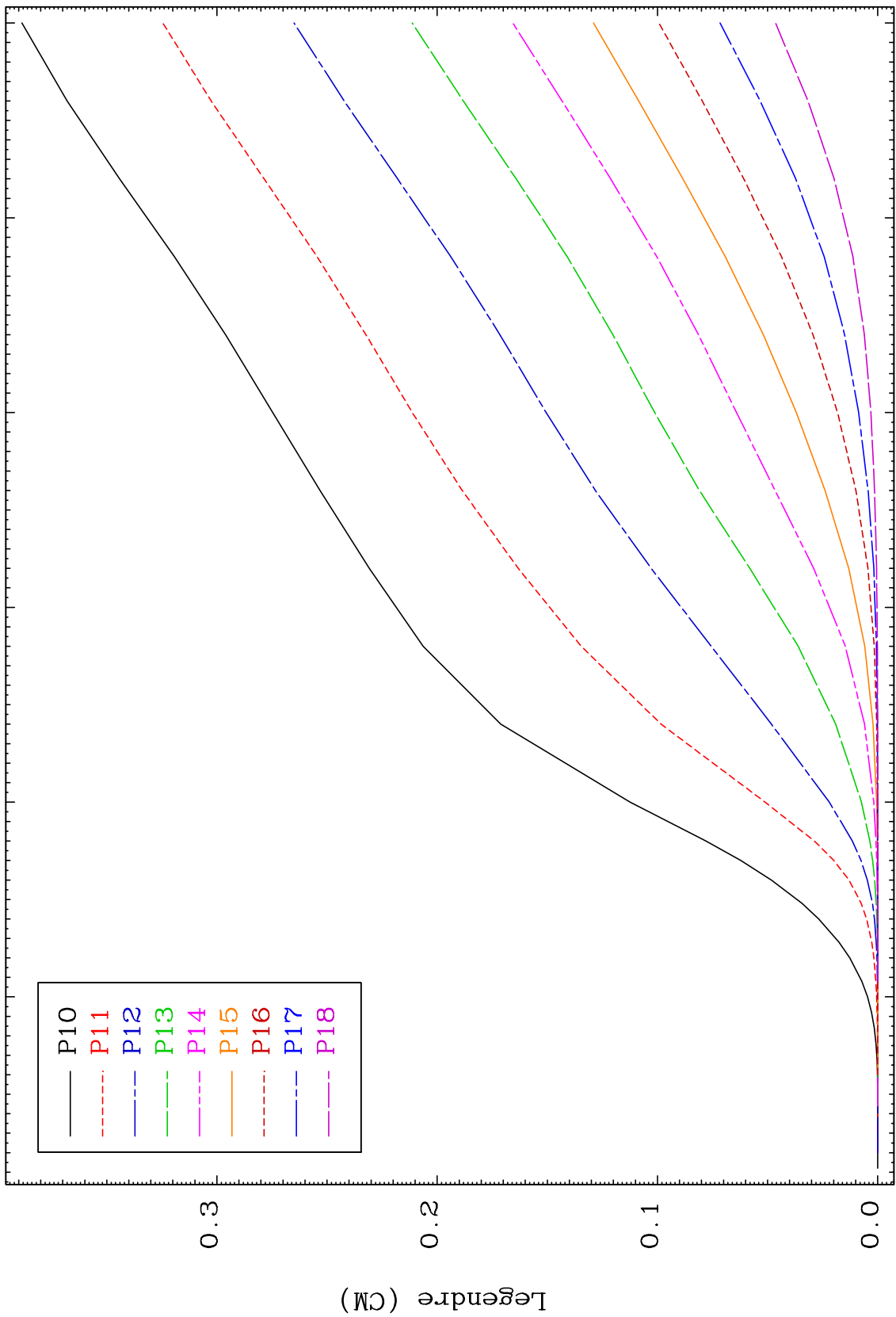




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Elastic Legendre Coefficients

81-T1-180



16

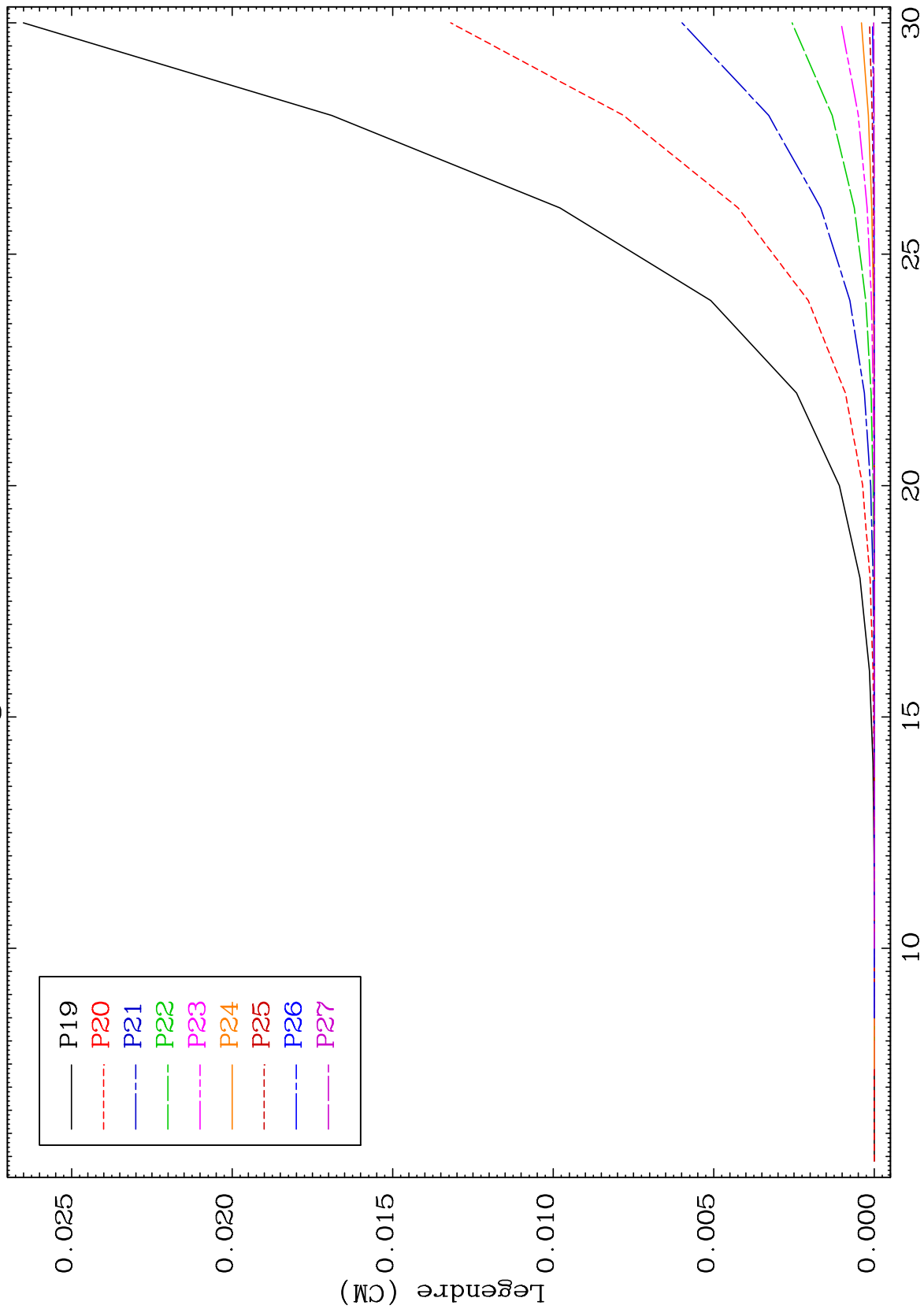
Incident Energy (MeV)

81-T1-180

MAT 8056

Elastic Legendre Coefficients

81-T1-180



17

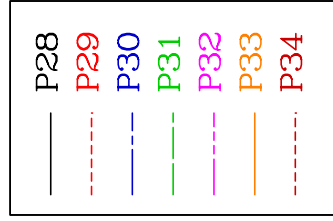
Incident Energy (MeV)

81-T1-180

MAT 8056

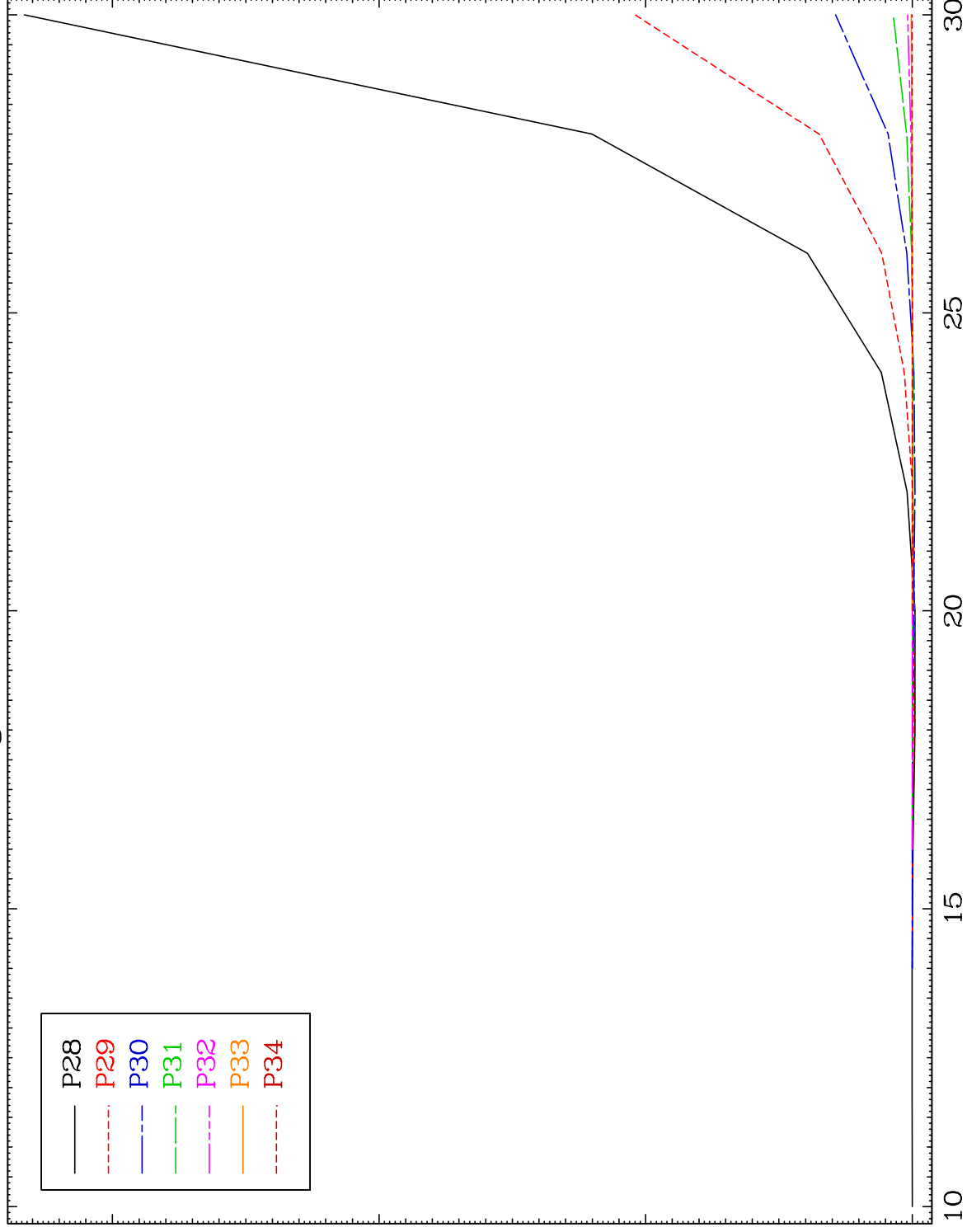
Elastic  
Legendre Coefficients

81-T1-180



$\times 10^{-6}$

Legendre (CM)



10

15

20

25

30

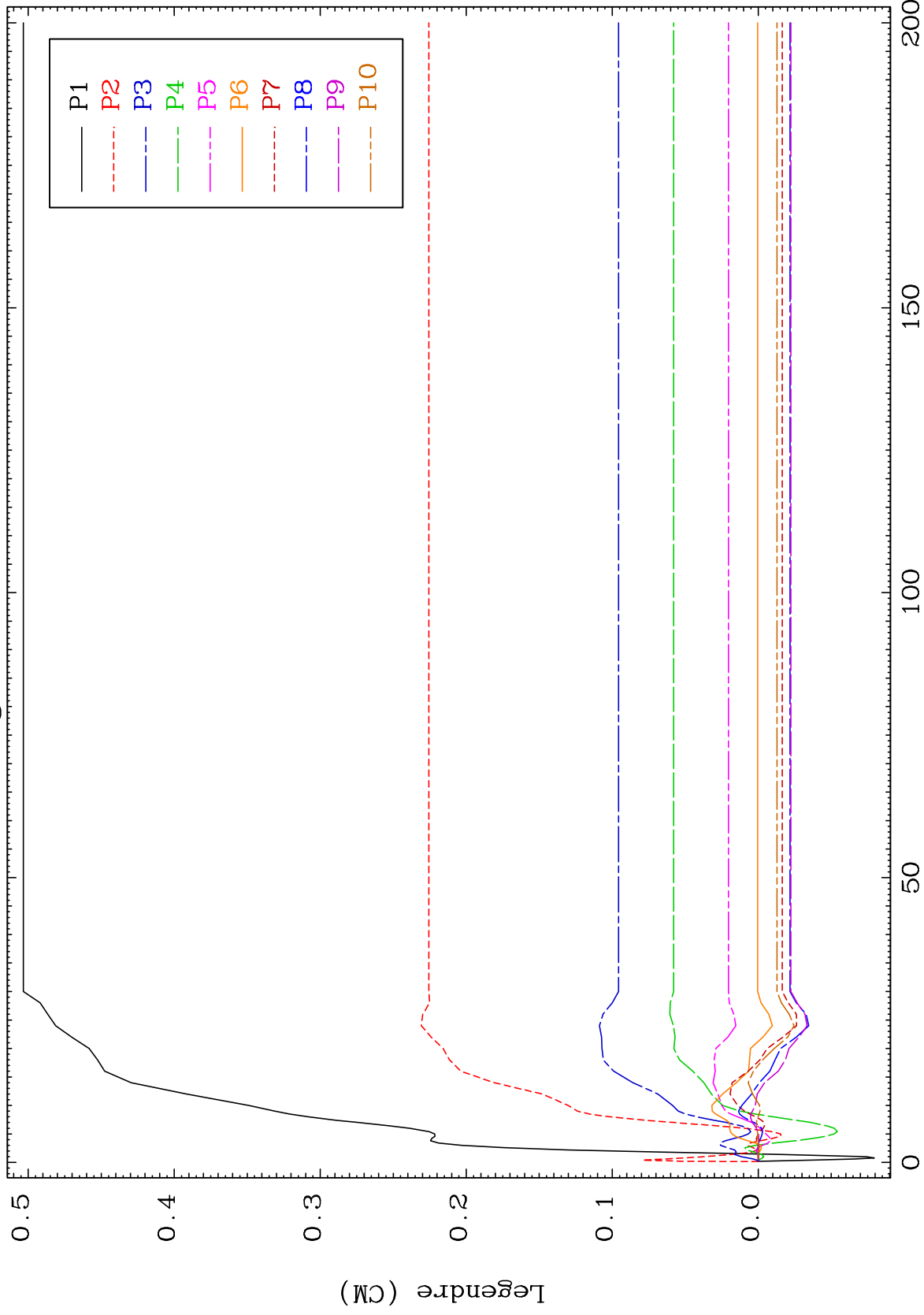
Incident Energy (MeV)

81-T1-180

MAT 8056

MT= 51 (n,n') Level  
Legendre Coefficients

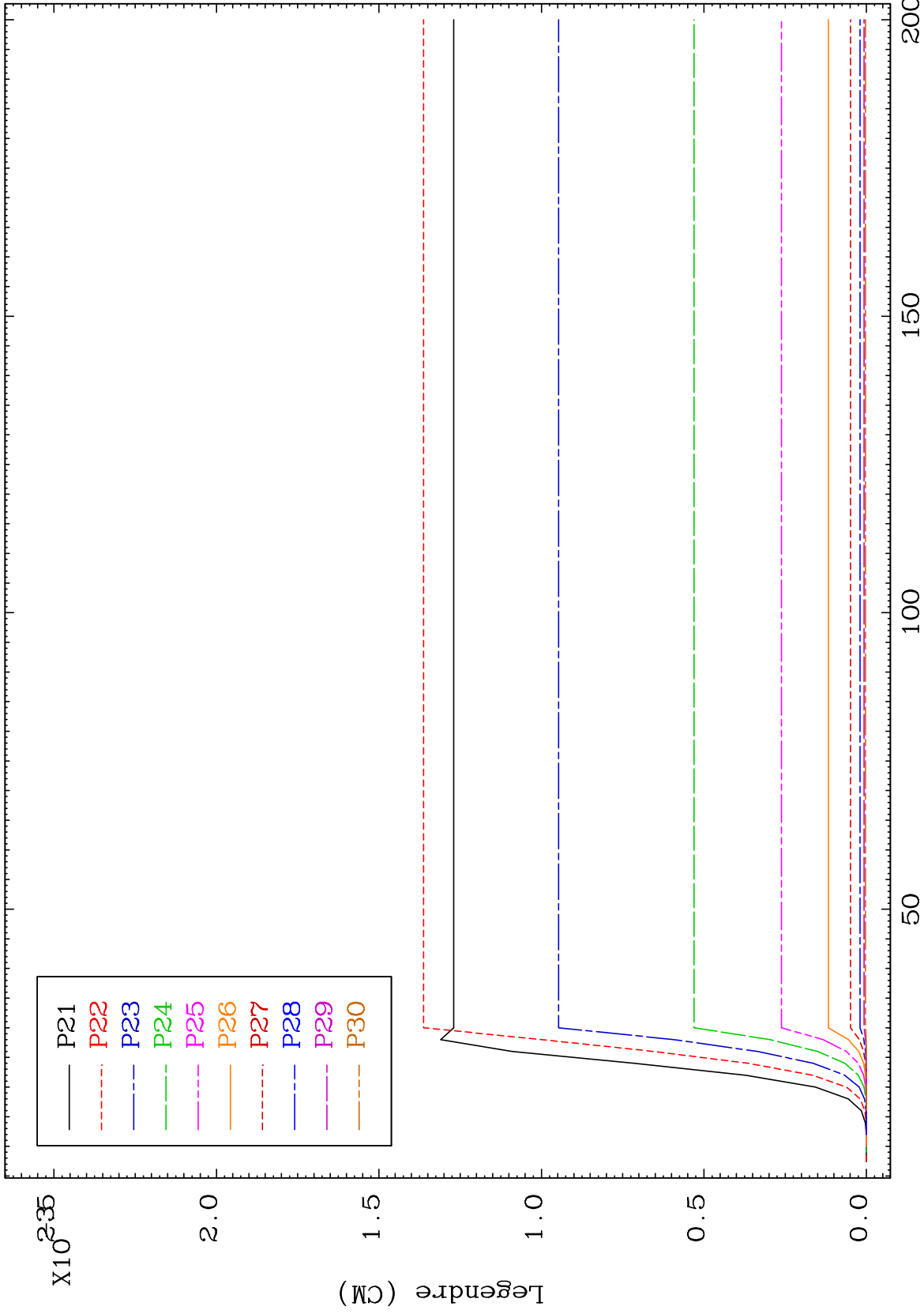
81-Tl-180



19

81-Tl-180

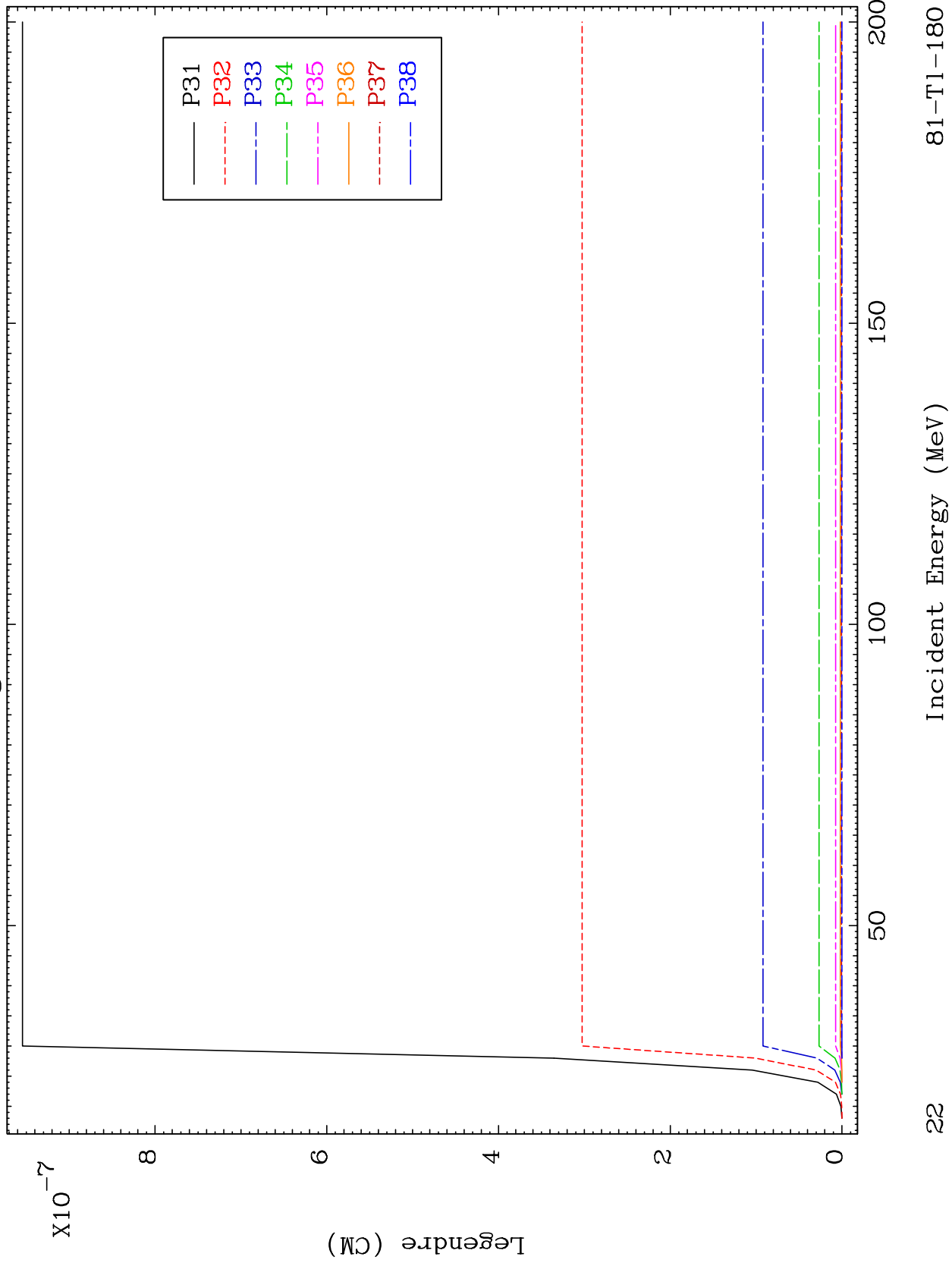




MAT 8056

MT= 51 (n,n') Level  
Legendre Coefficients

81-Tl-180



22

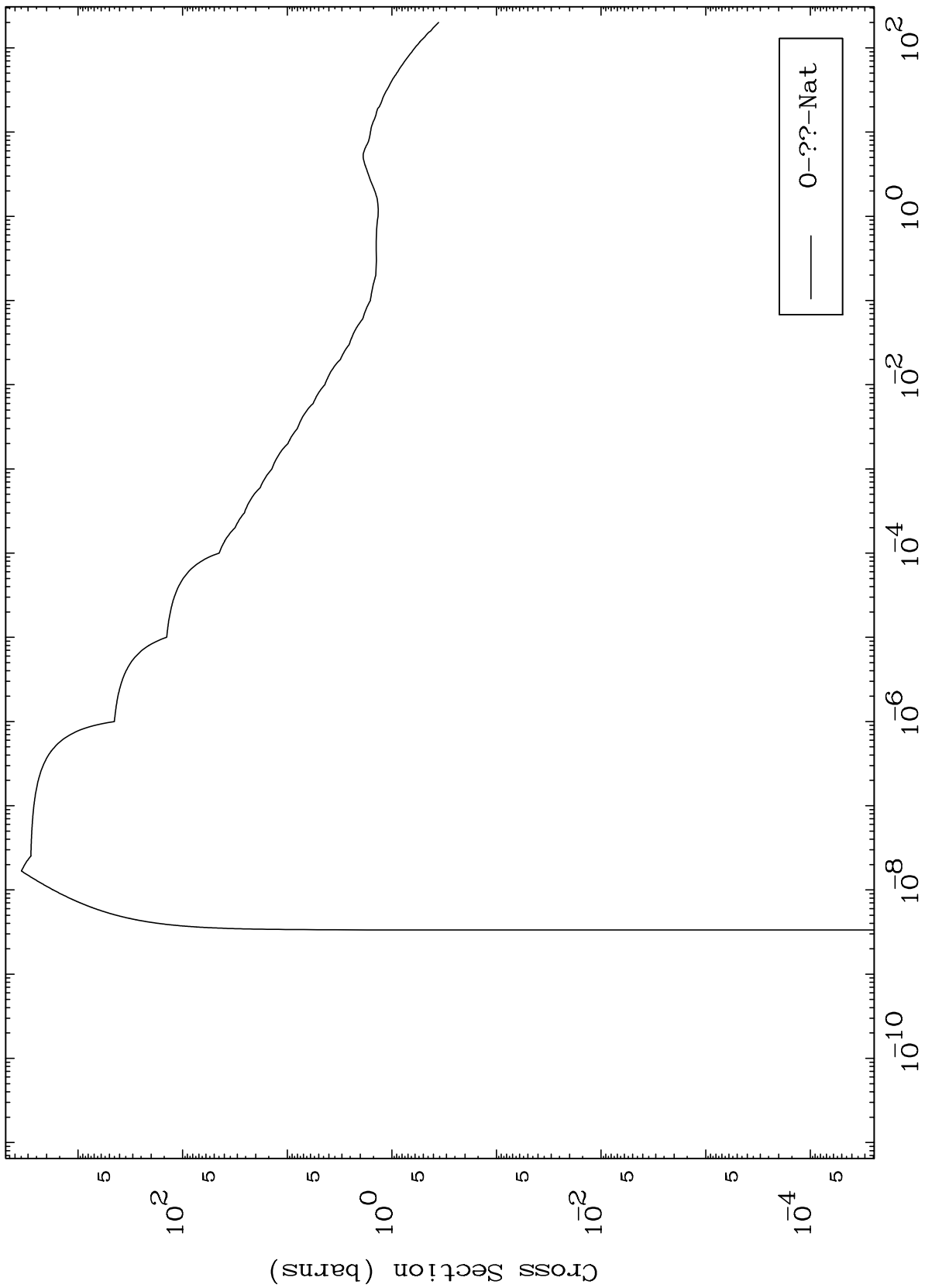
Incident Energy (MeV)

81-Tl-180

MAT 8056

81-Tl-180

Fission  
Radionuclide Production Cross Section



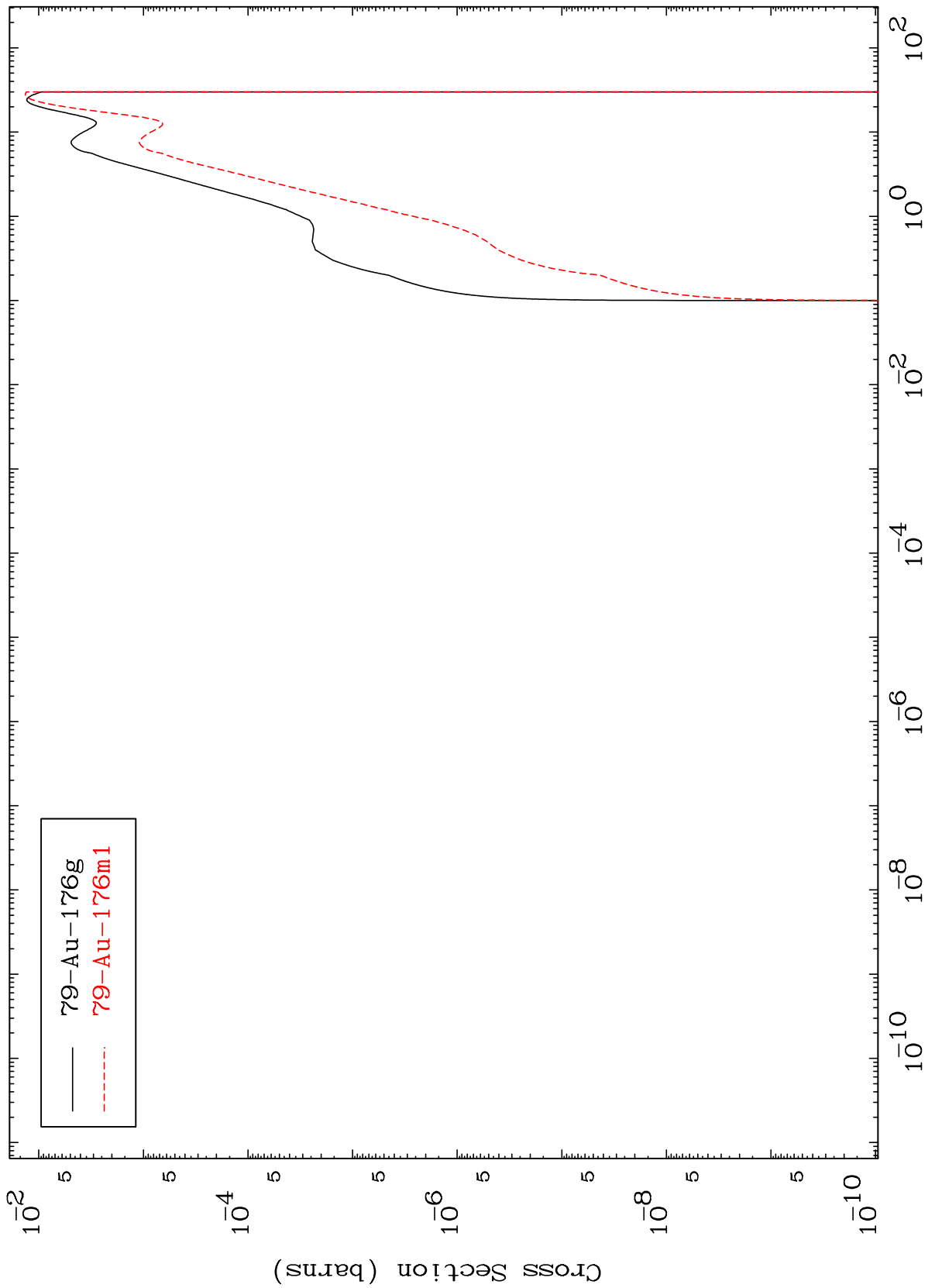


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$(n, n') \alpha$

81-Tl-180

Radionuclide Production Cross Section



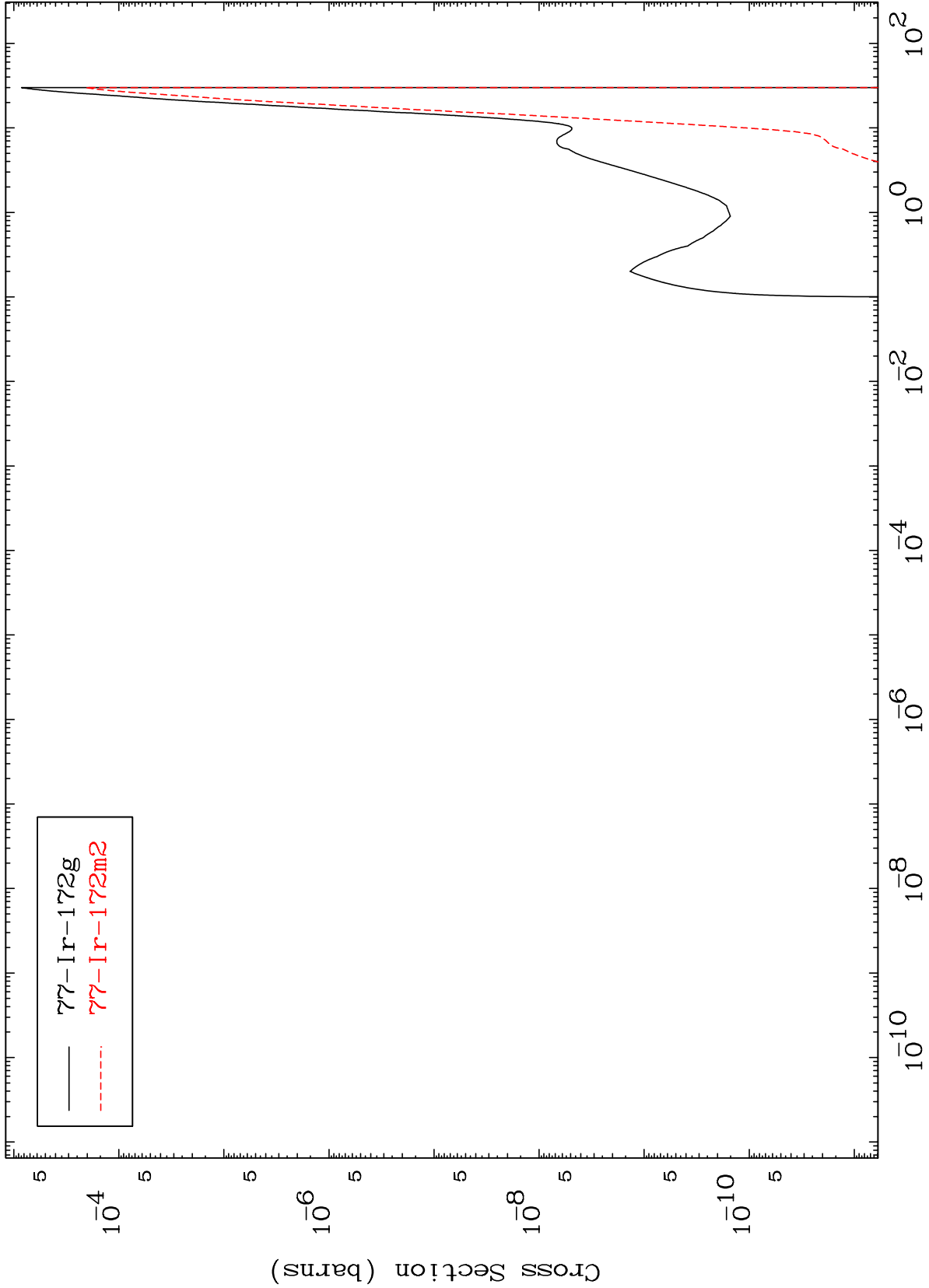
—  $^{79}\text{Au-176g}$   
- - -  $^{79}\text{Au-176m1}$

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(n,n') 2α

81-Tl-180

Radionuclide Production Cross Section



25

Incident Energy (MeV)

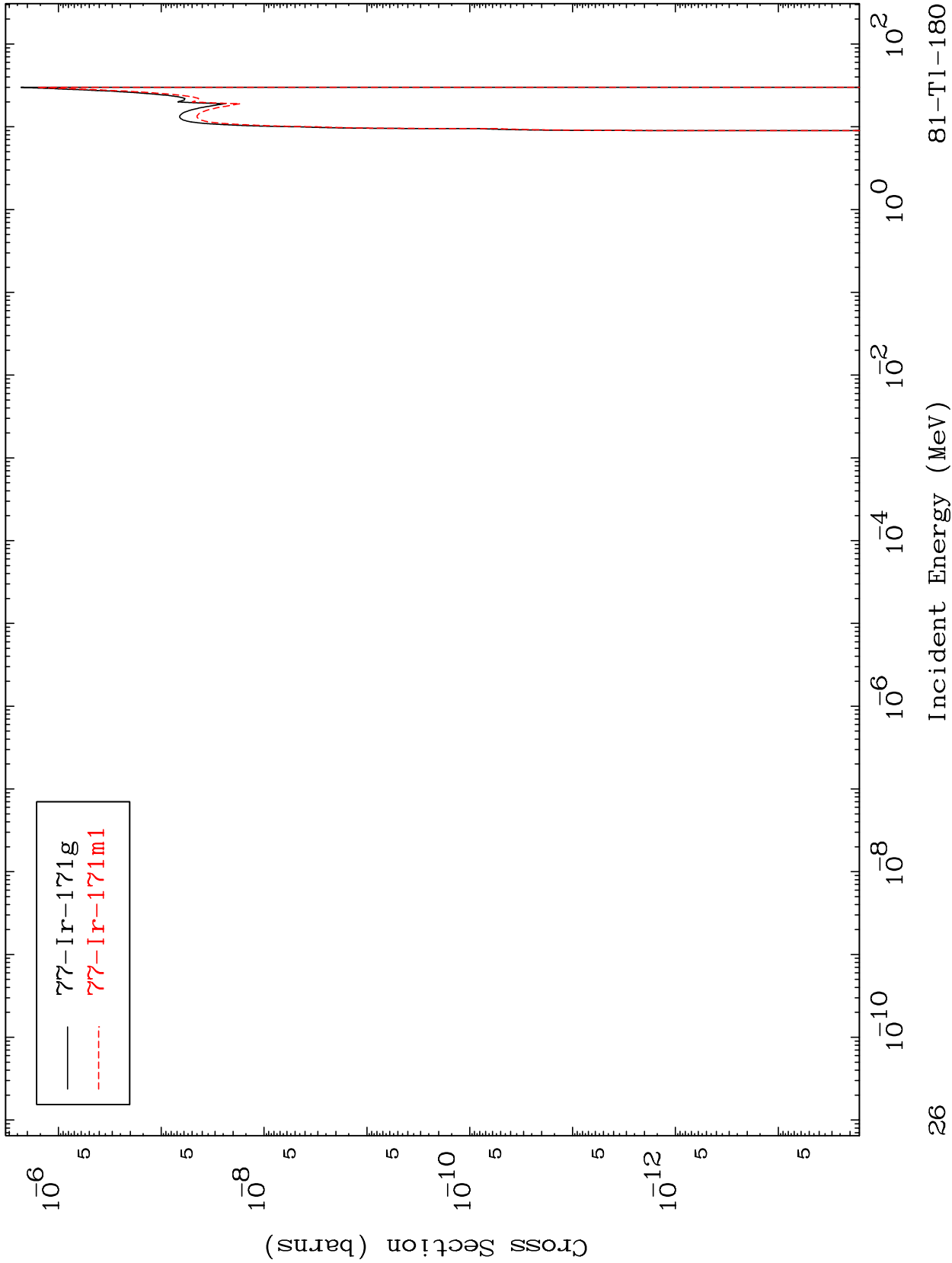
81-Tl-180

MAT 8056

(n,2n) 2 $\alpha$

81-Tl-180

Radionuclide Production Cross Section



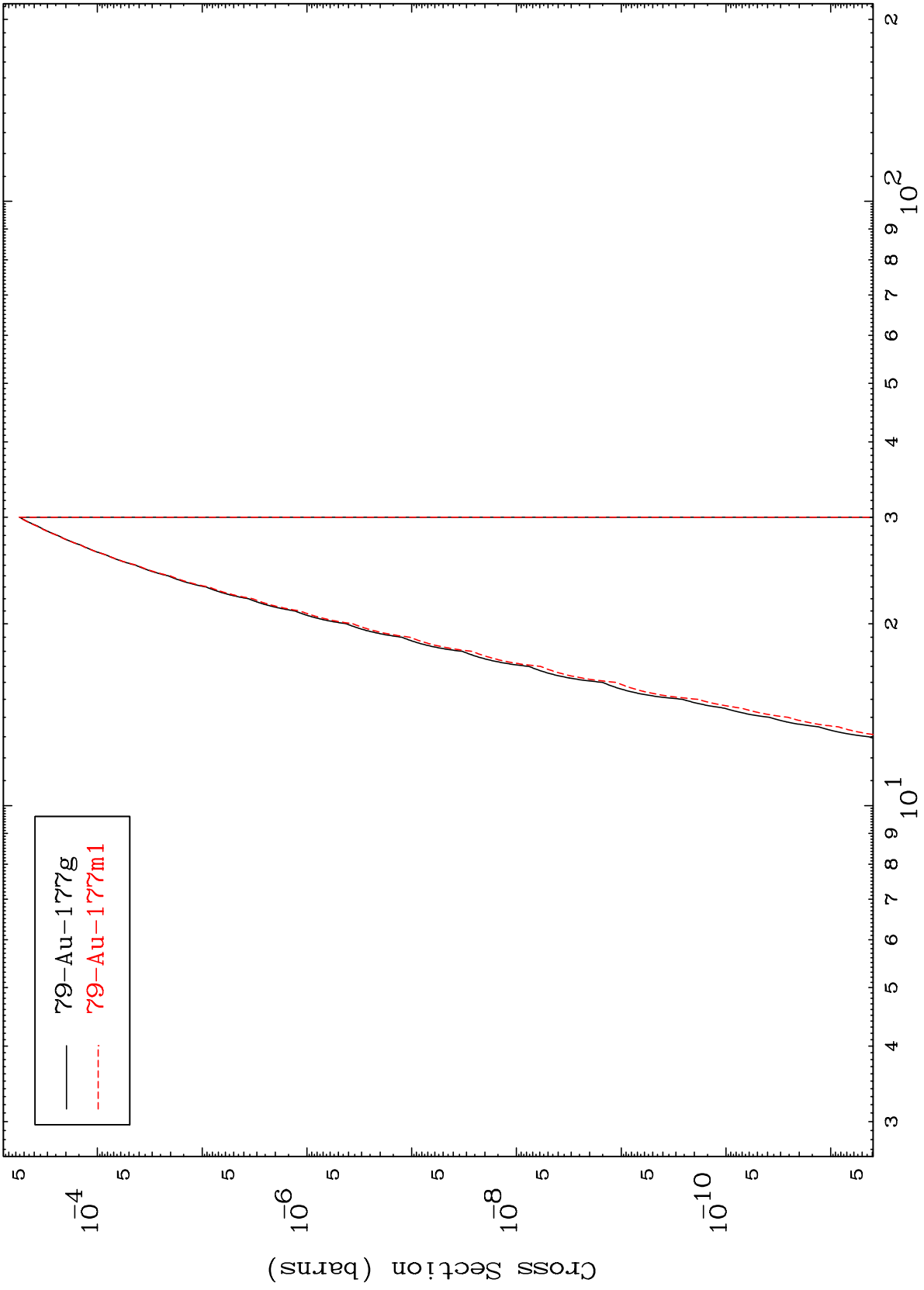
77-Ir-171g  
77-Ir-171m1

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(n,n') He-3

81-Tl-180

Radionuclide Production Cross Section



— 79-Au-177g  
- - - 79-Au-177m1

27

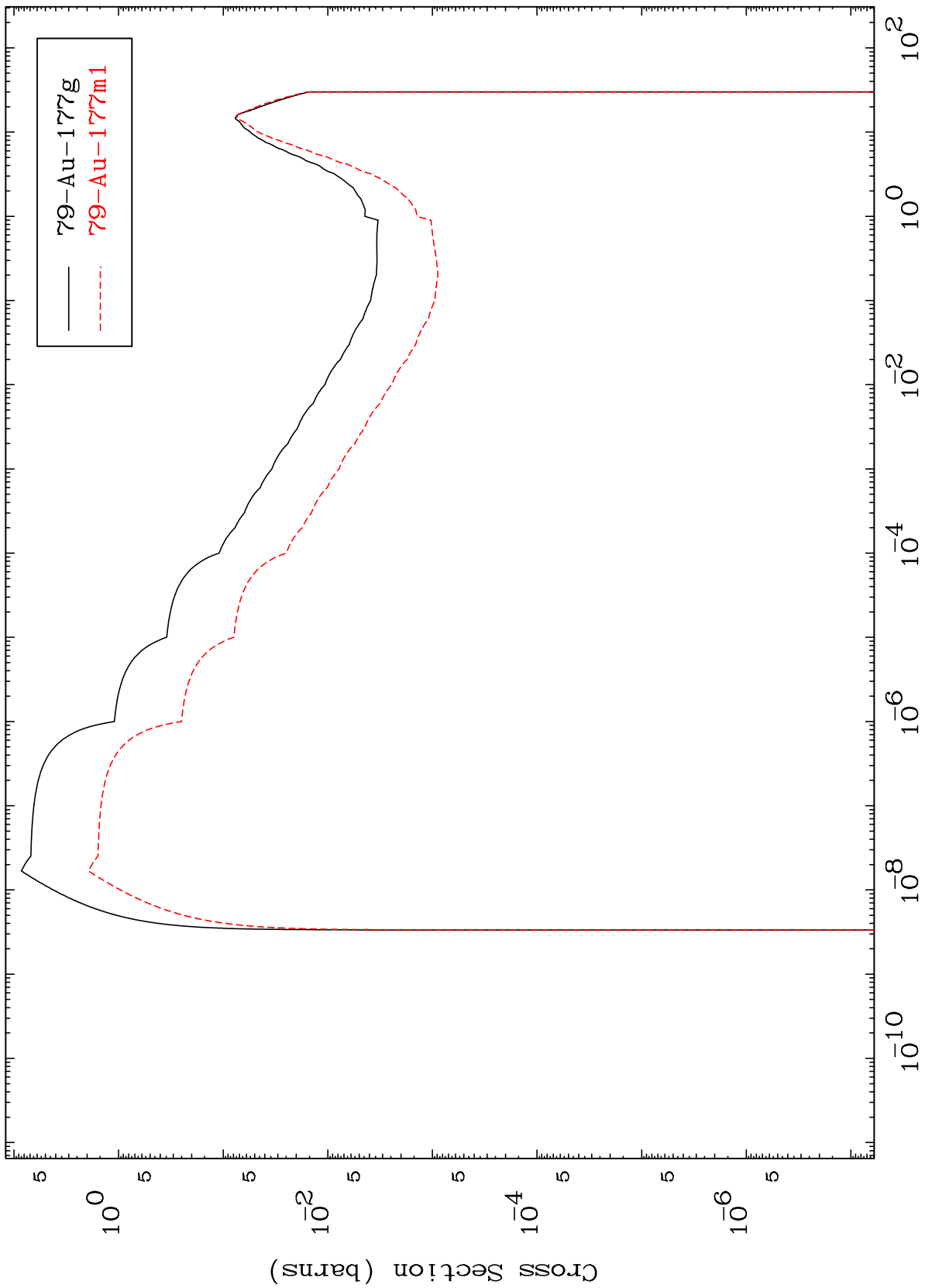
Incident Energy (MeV)

81-Tl-180

MAT 8056

81-Tl-180

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



28

81-Tl-180

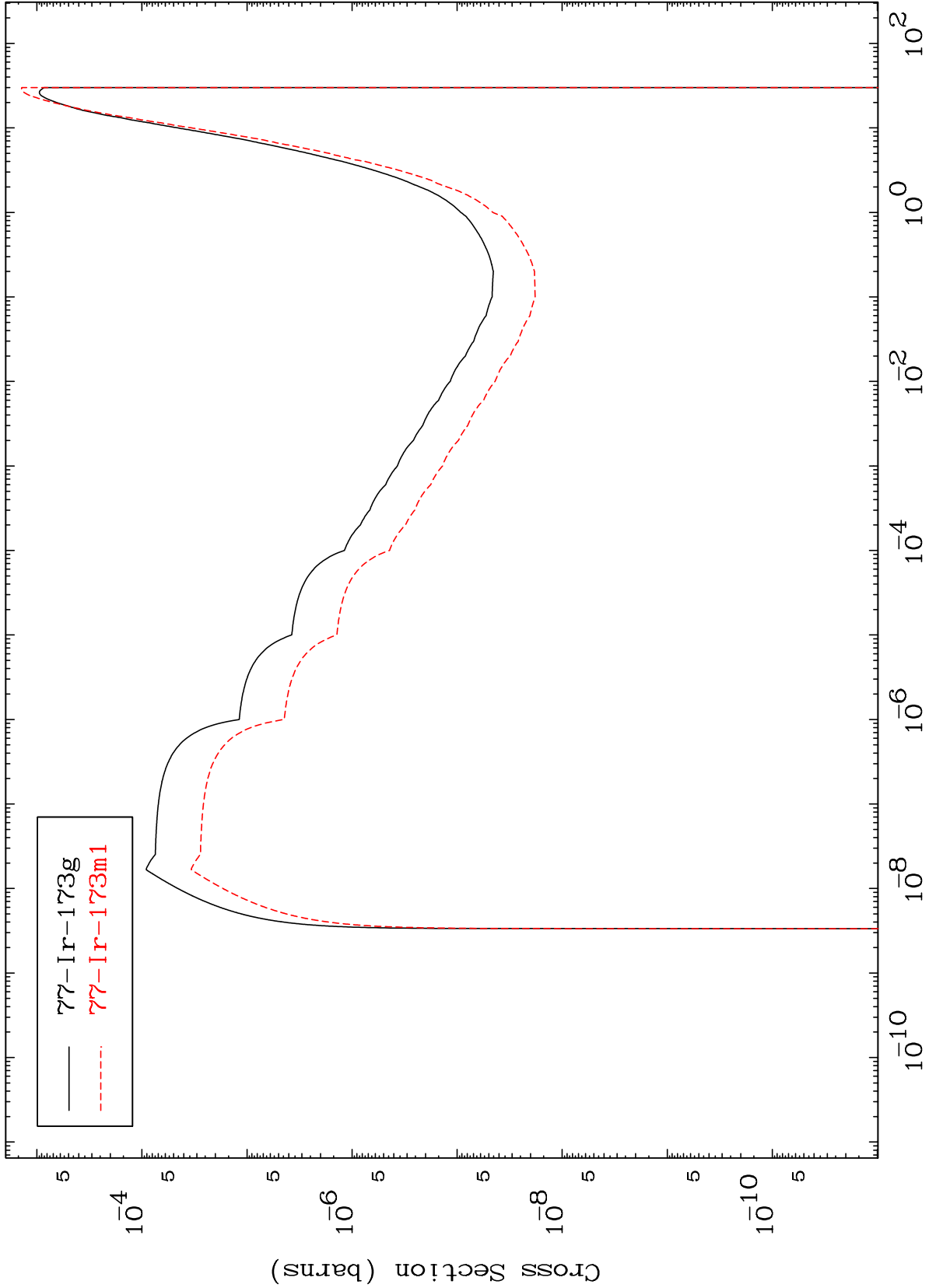
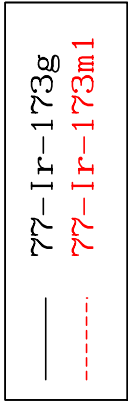
Incident Energy (MeV)

MAT 8056

(n,2α)

81-Tl-180

Radionuclide Production Cross Section

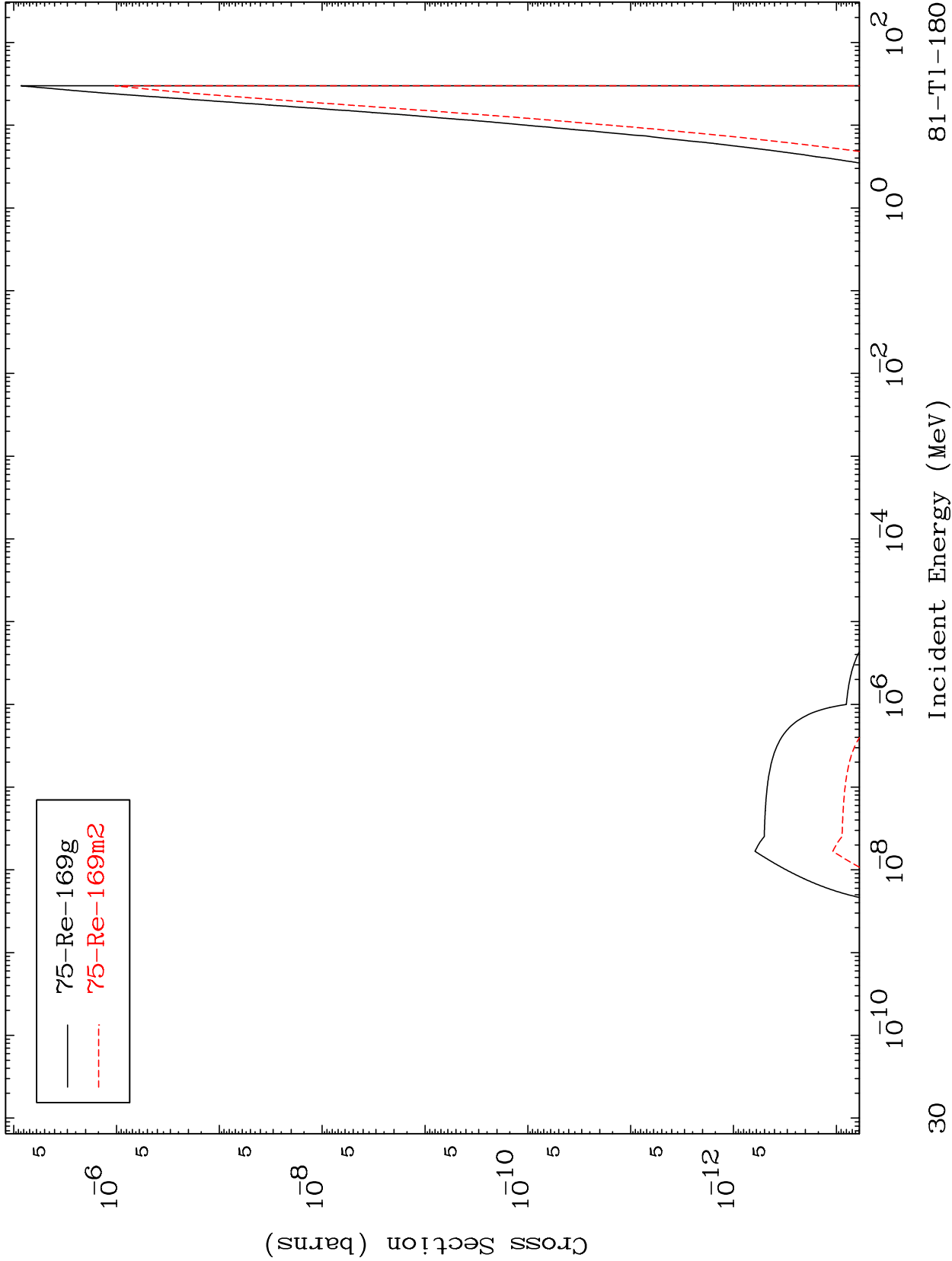


MAT 8056

(n,3 $\alpha$ )

81-Tl-180

Radionuclide Production Cross Section

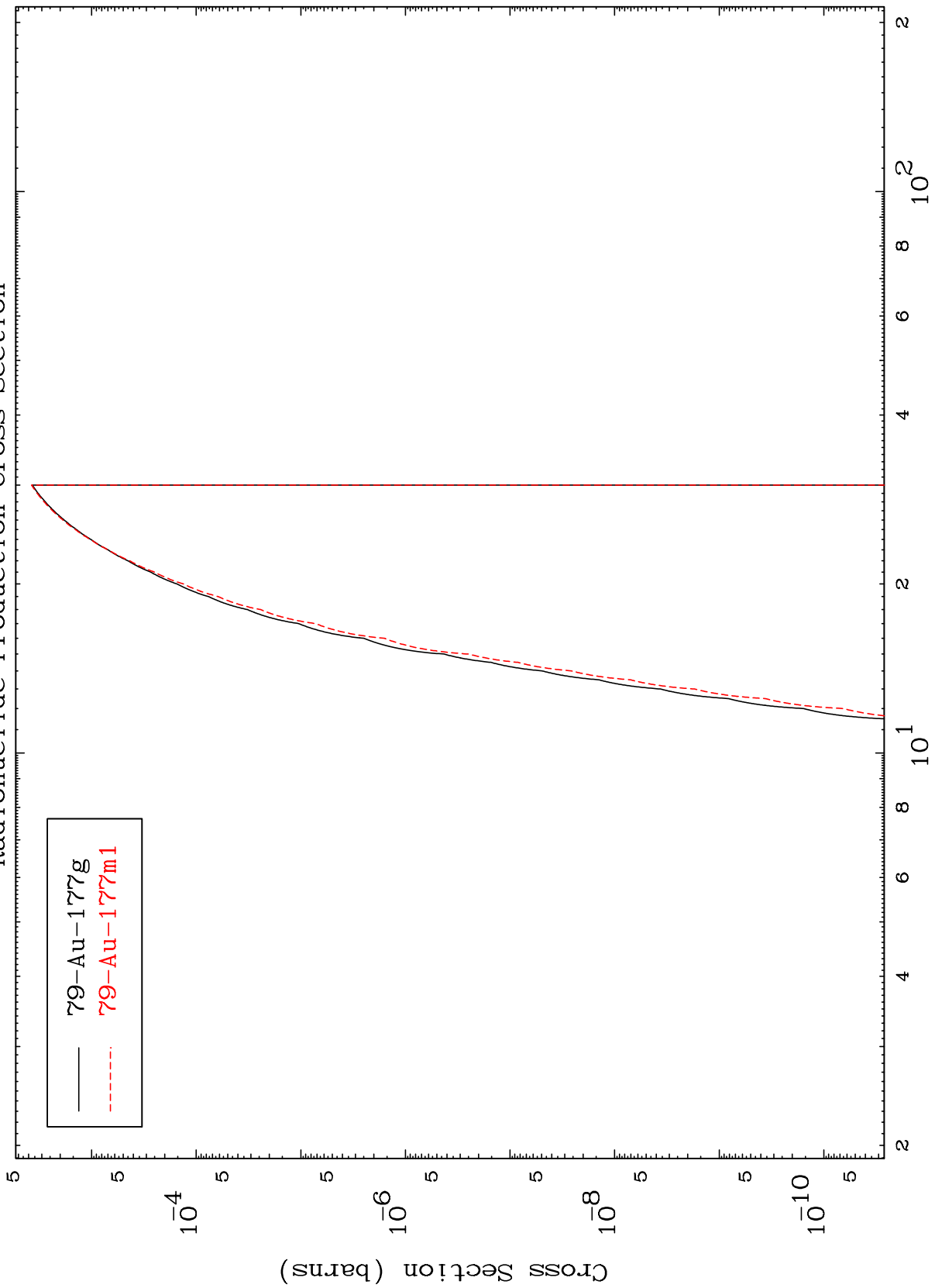


MAT 8056

(n,p) t

81-Tl-180

Radionuclide Production Cross Section



31

Incident Energy (MeV)

81-Tl-180