

Program EVALPLOT  
(Version 2018-1)

by

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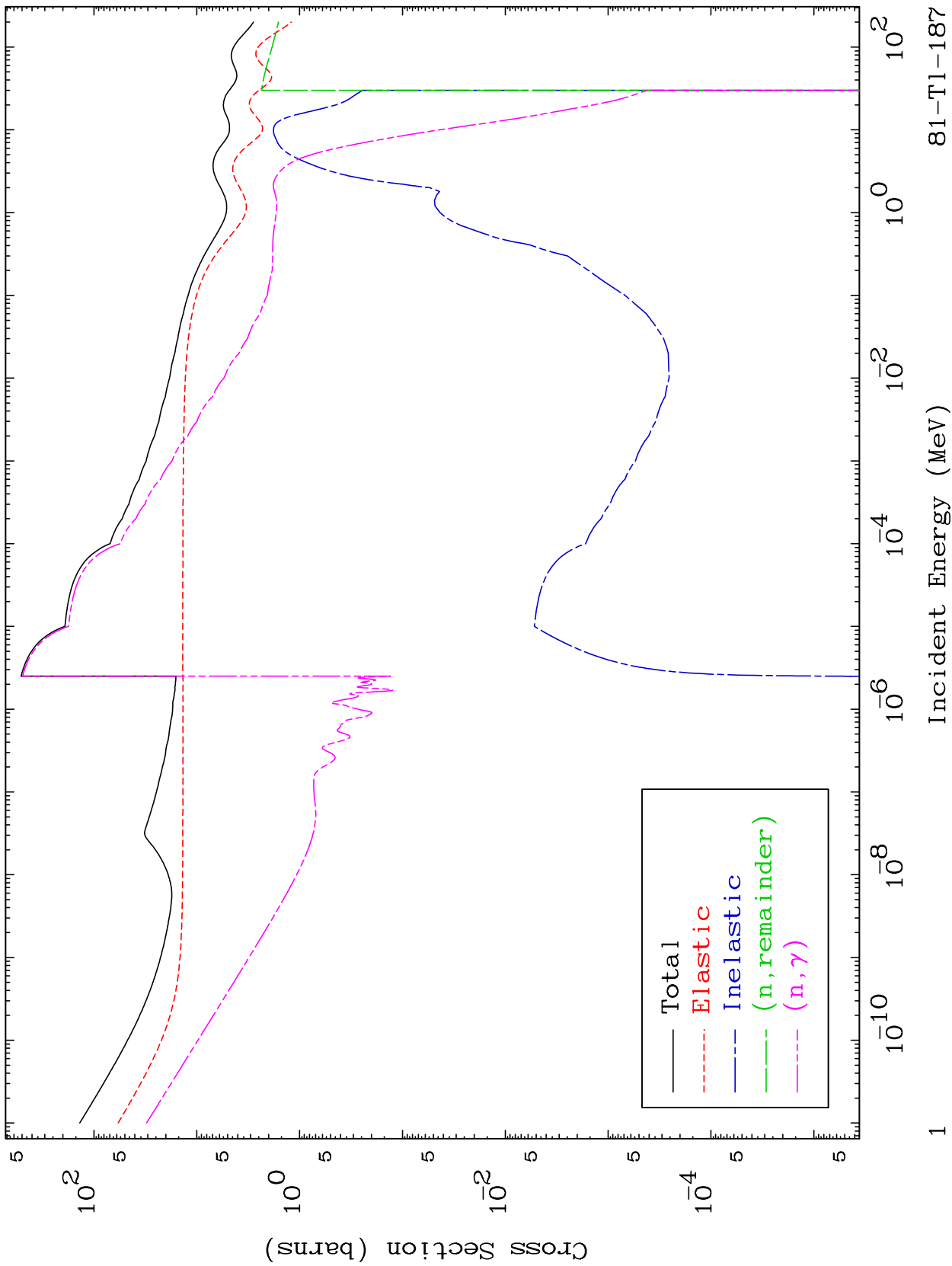
Press Mouse Button to Start

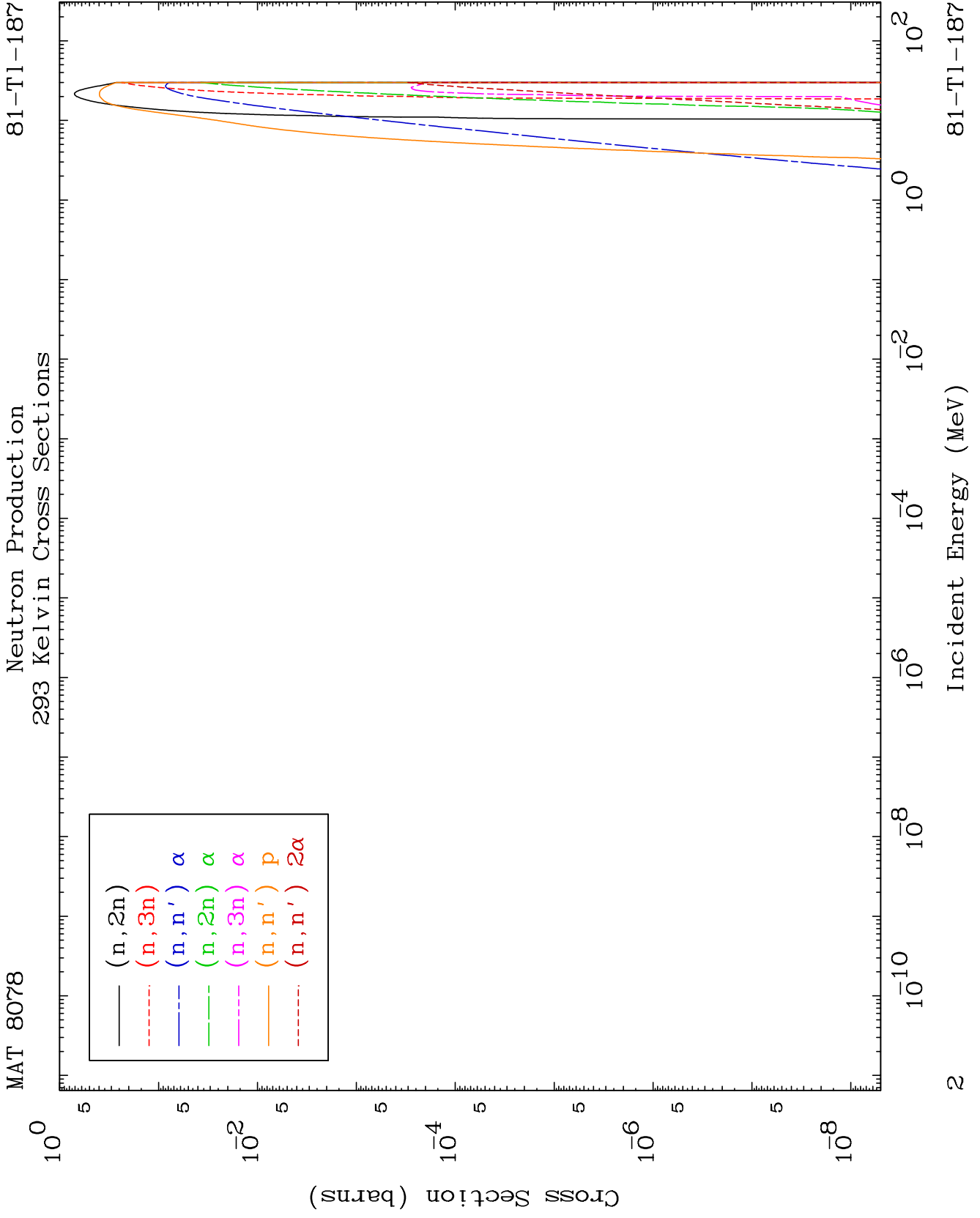
MAT 8078

Major

293 Kelvin Cross Sections

81-Tl-187

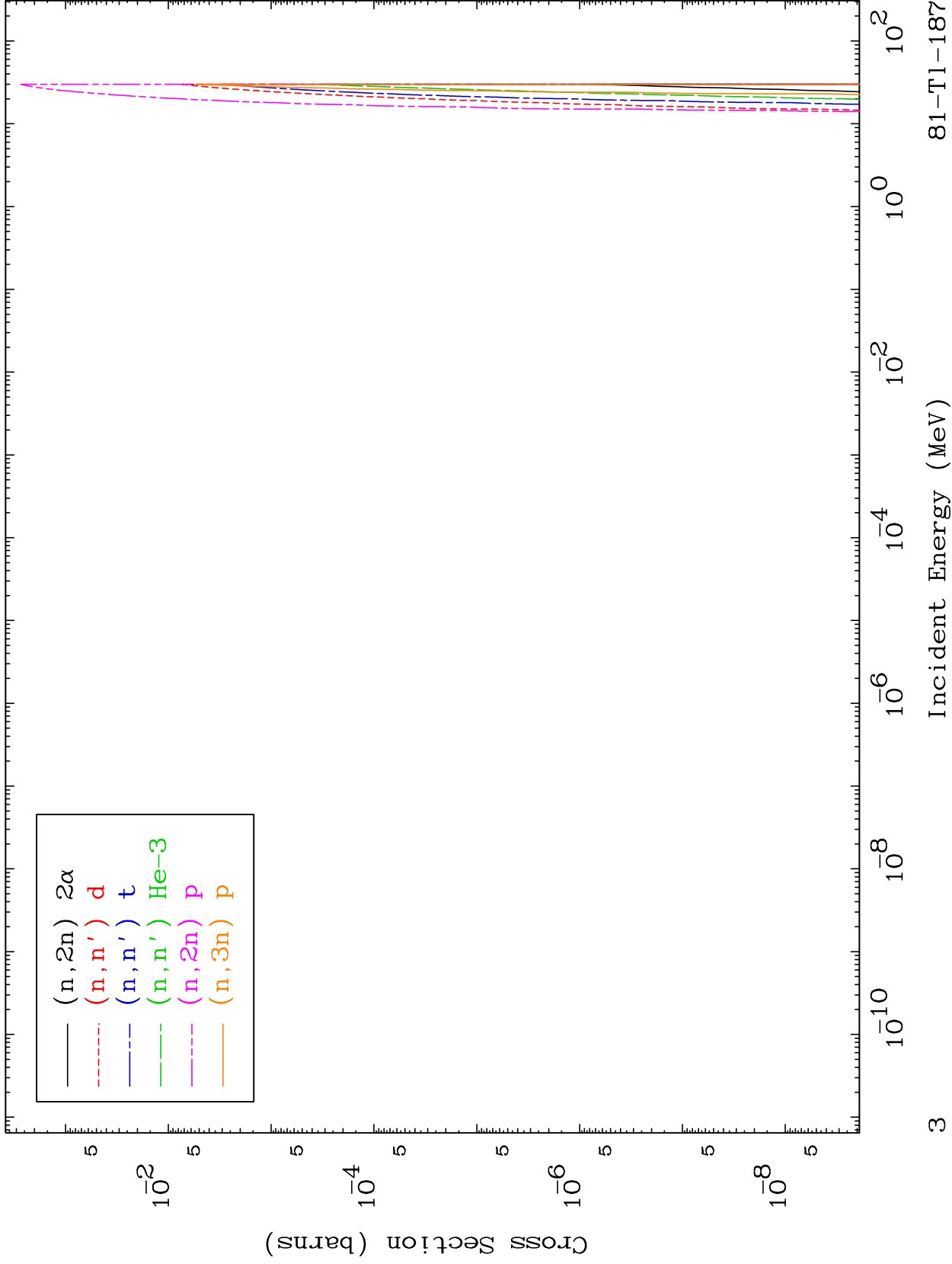




MAT 8078

Neutron Production  
293 Kelvin Cross Sections

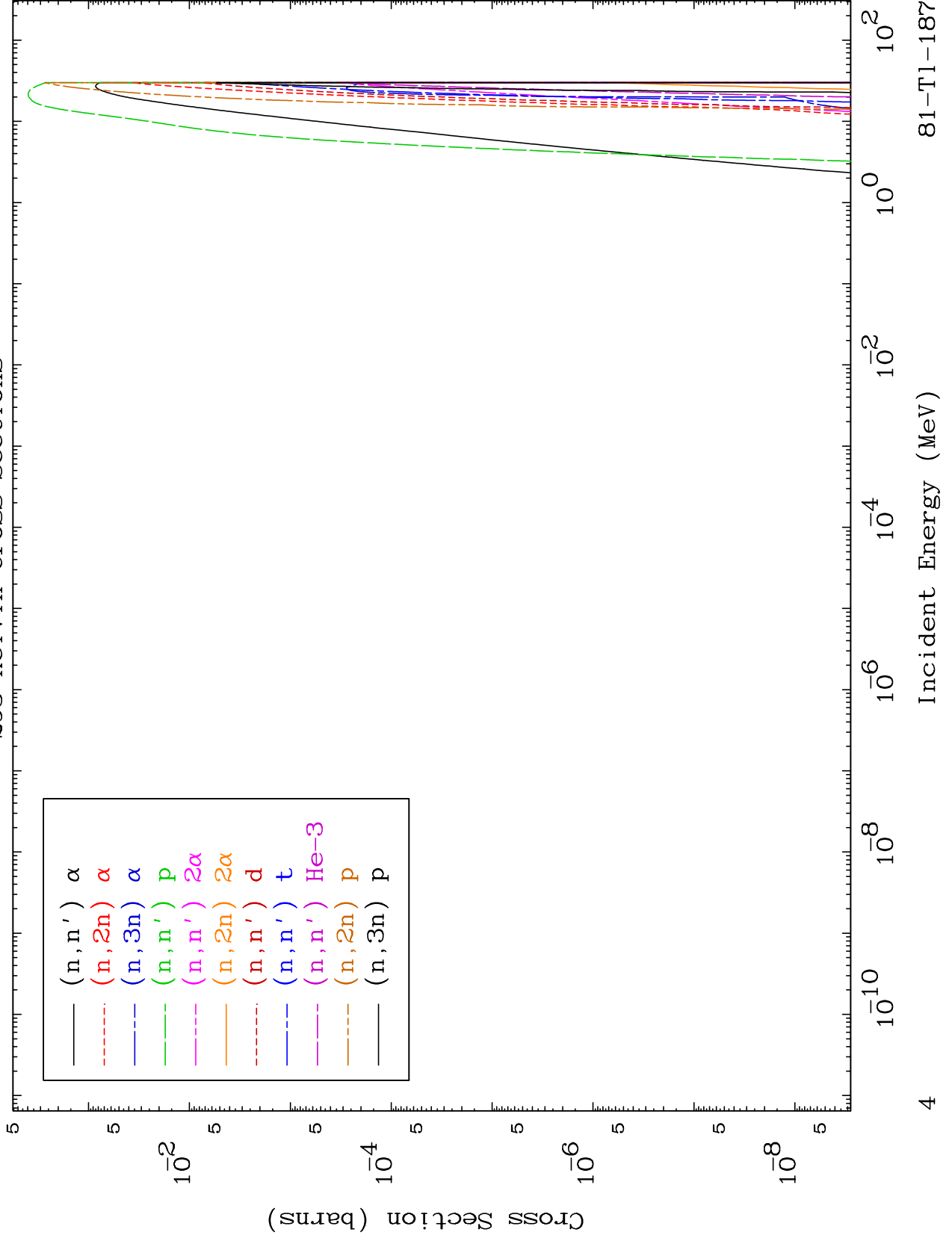
81-Tl-187



MAT 8078

Charged Particle  
293 Kelvin Cross Sections

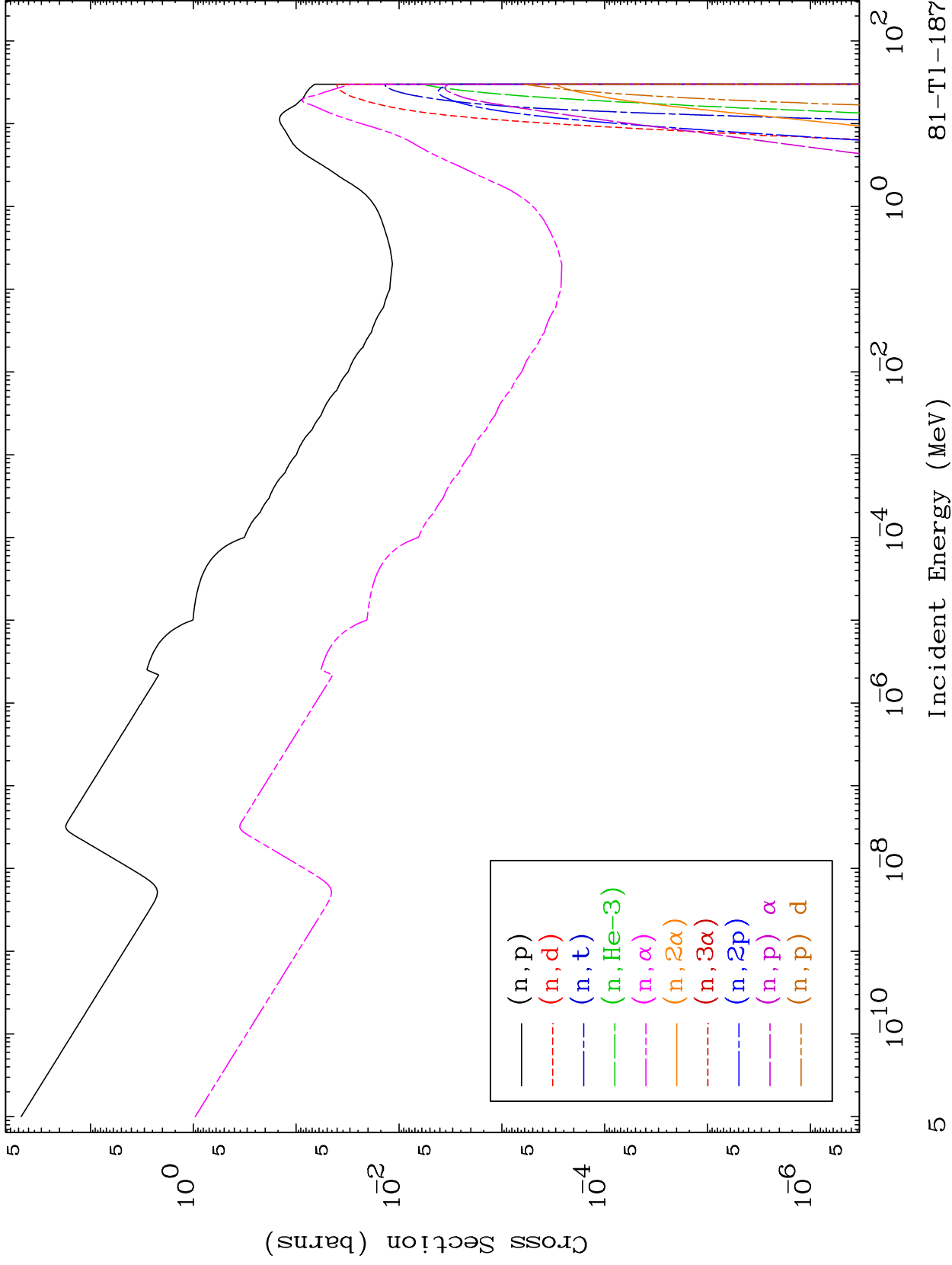
81-Tl-187



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Charged Particle  
293 Kelvin Cross Sections

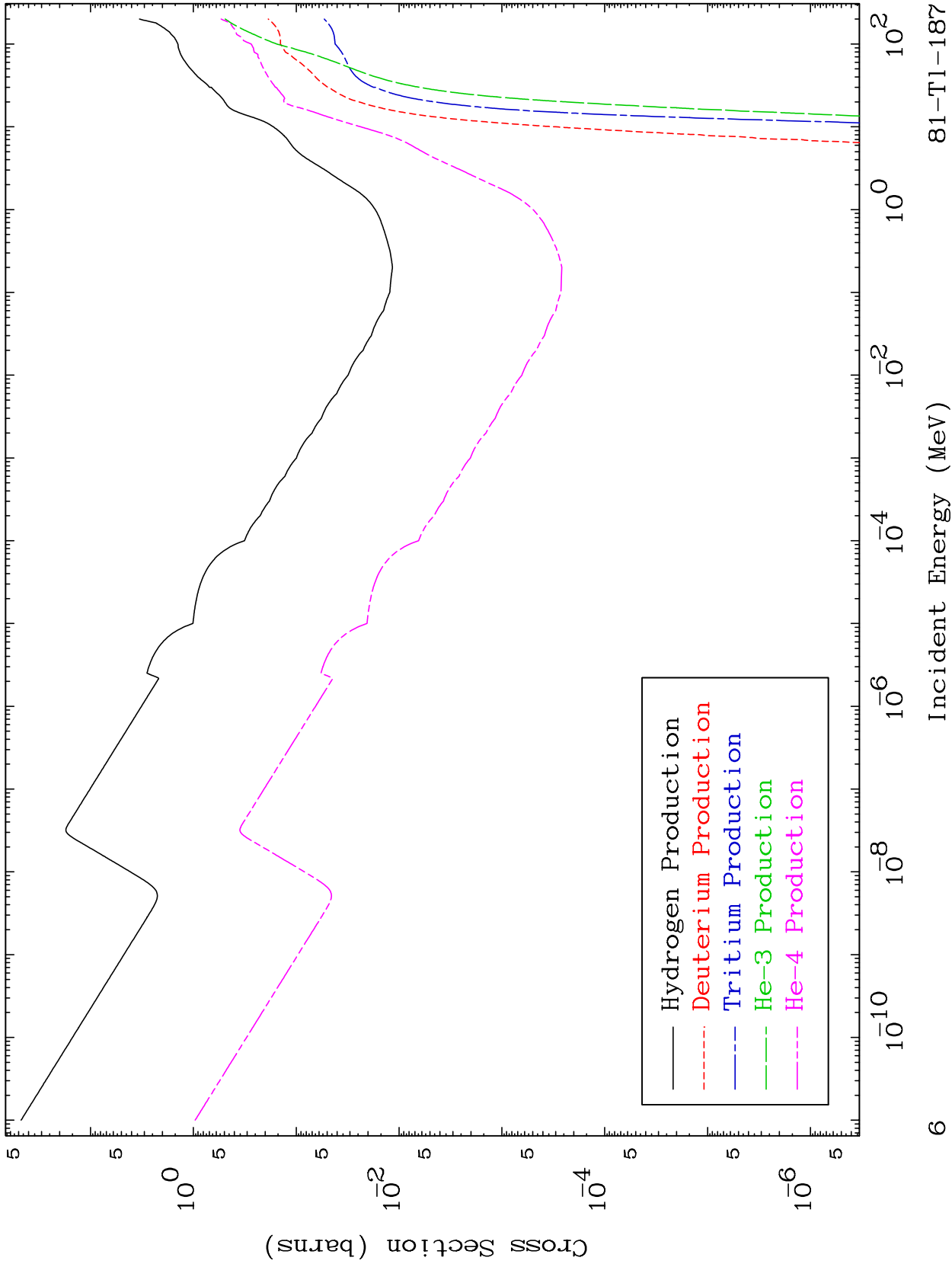
81-Tl-187



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Particle Production  
293 Kelvin Cross Sections

81-T1-187

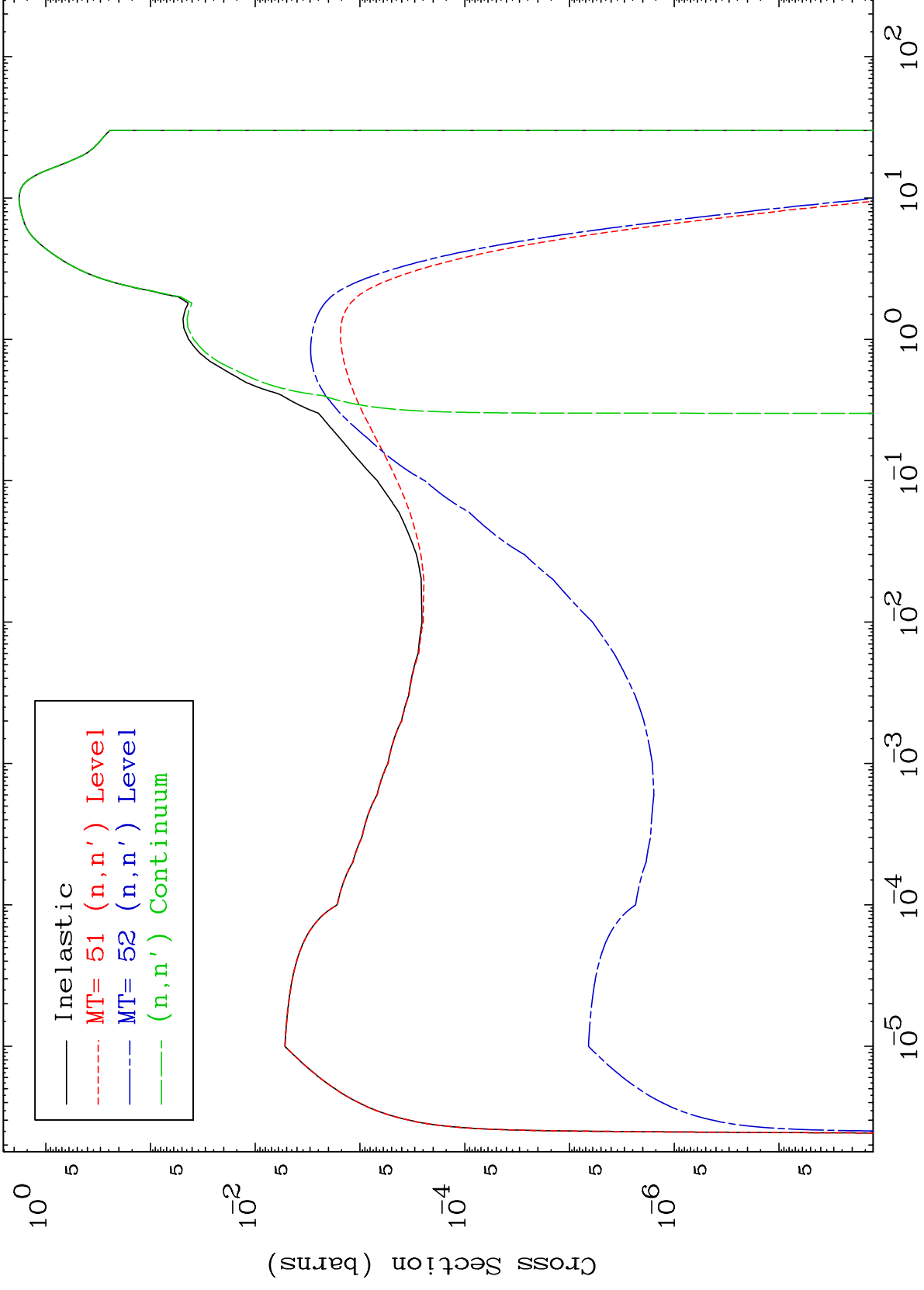


MAT 8078

(n,n') Level

81-Tl-187

293 Kelvin Cross Sections

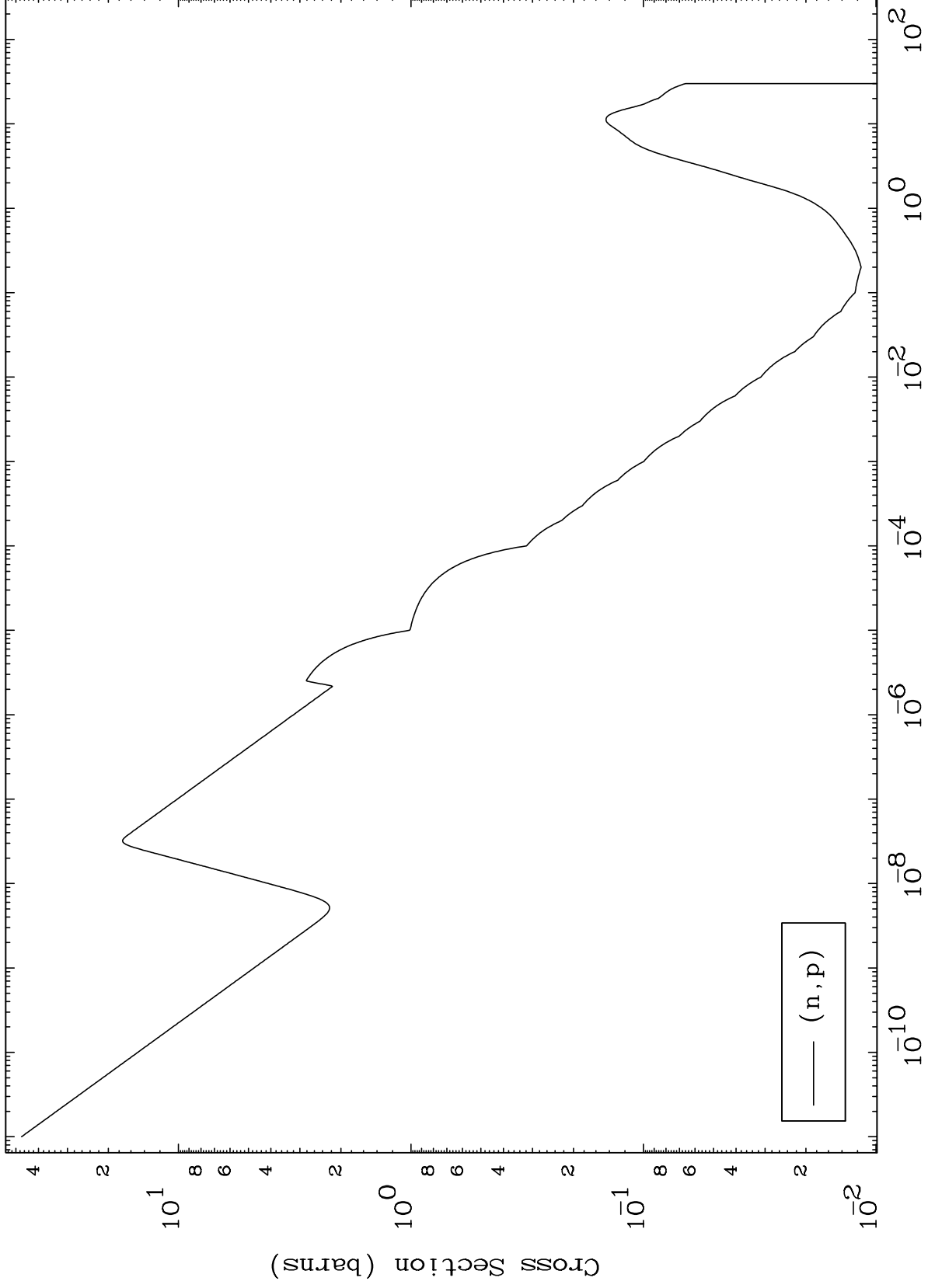




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(n,p) Levels  
293 Kelvin Cross Sections

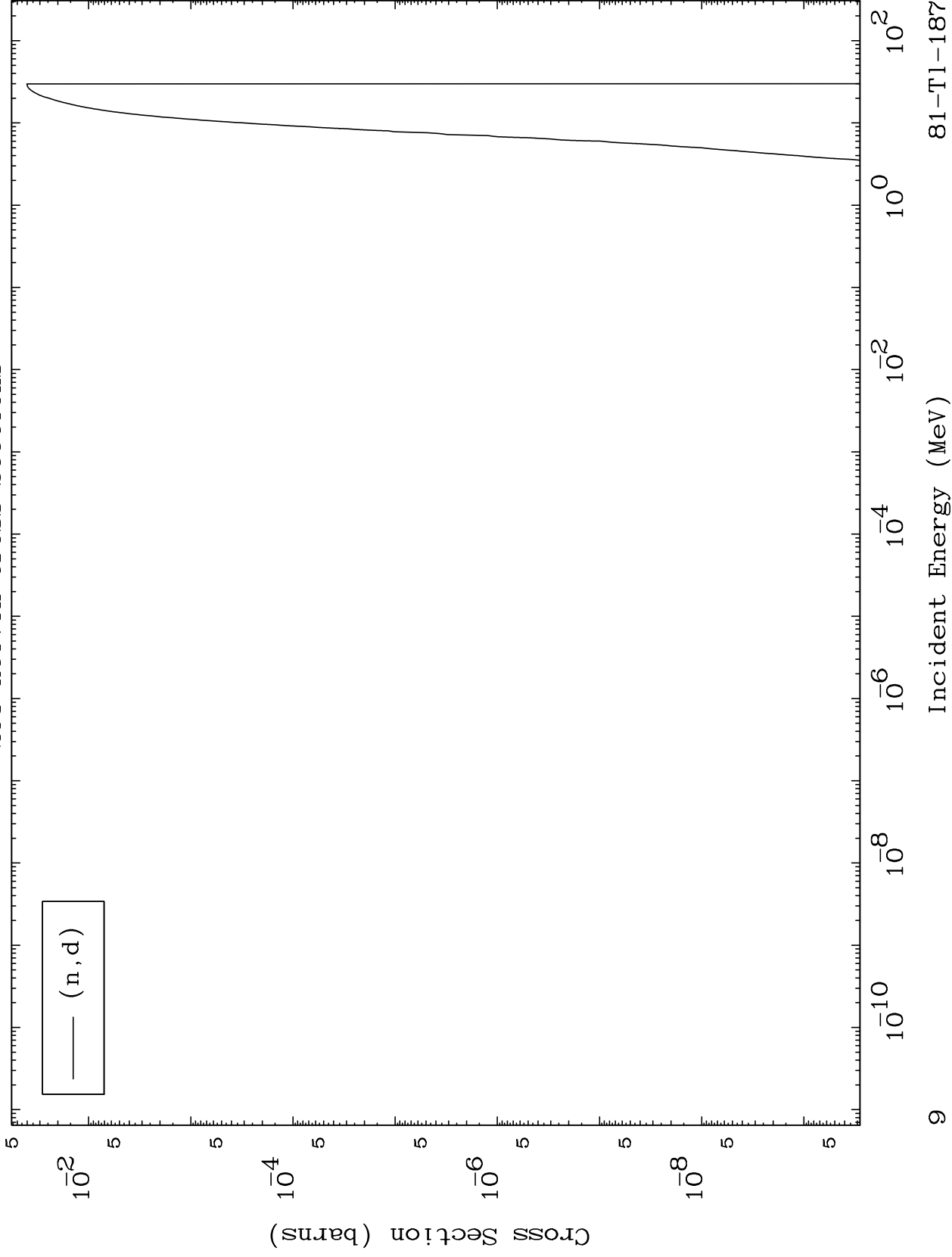
81-Tl-187



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(n,d) Levels  
293 Kelvin Cross Sections

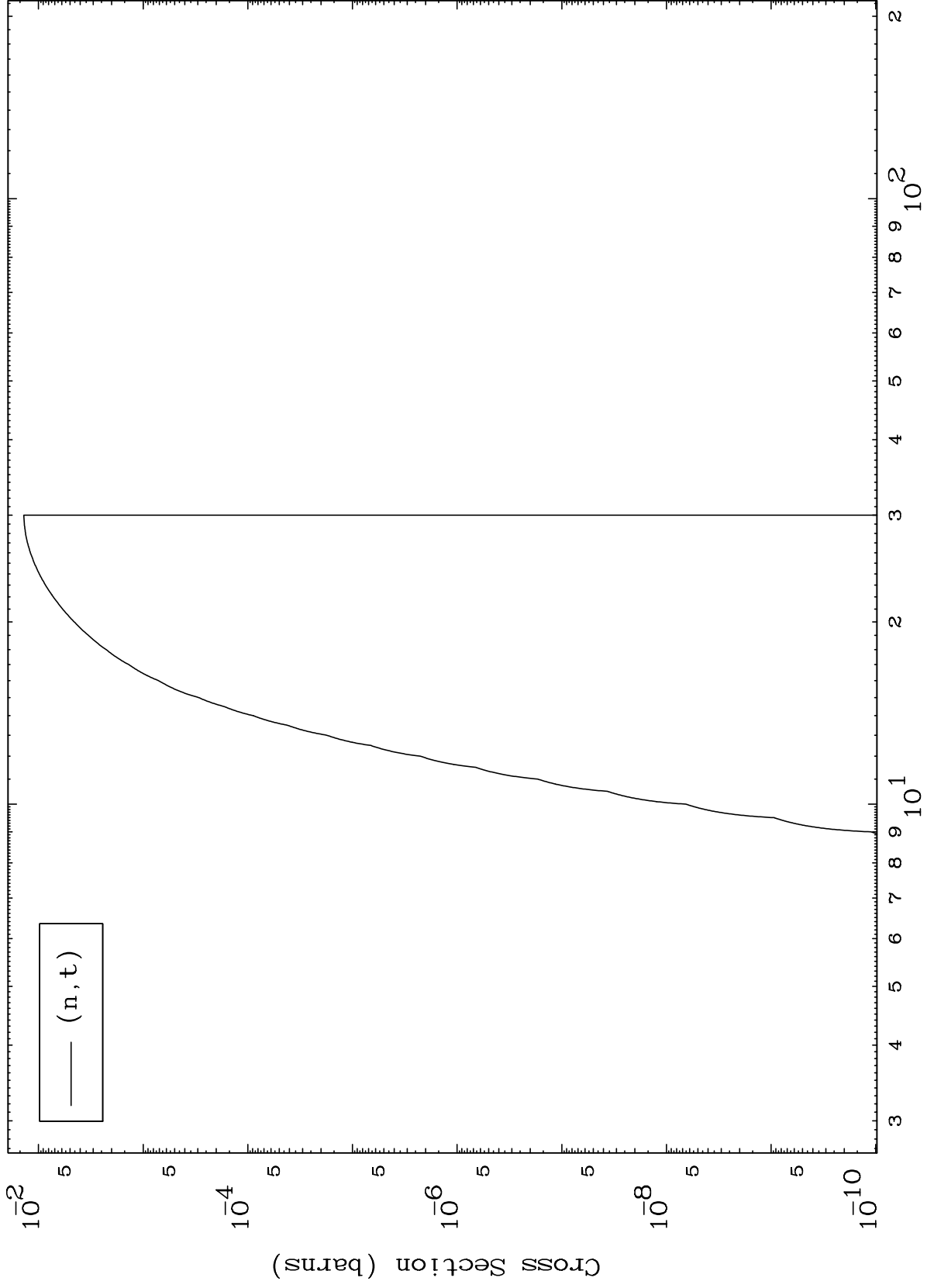
81-Tl-187



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(n,t) Levels  
293 Kelvin Cross Sections

81-Tl-187



10

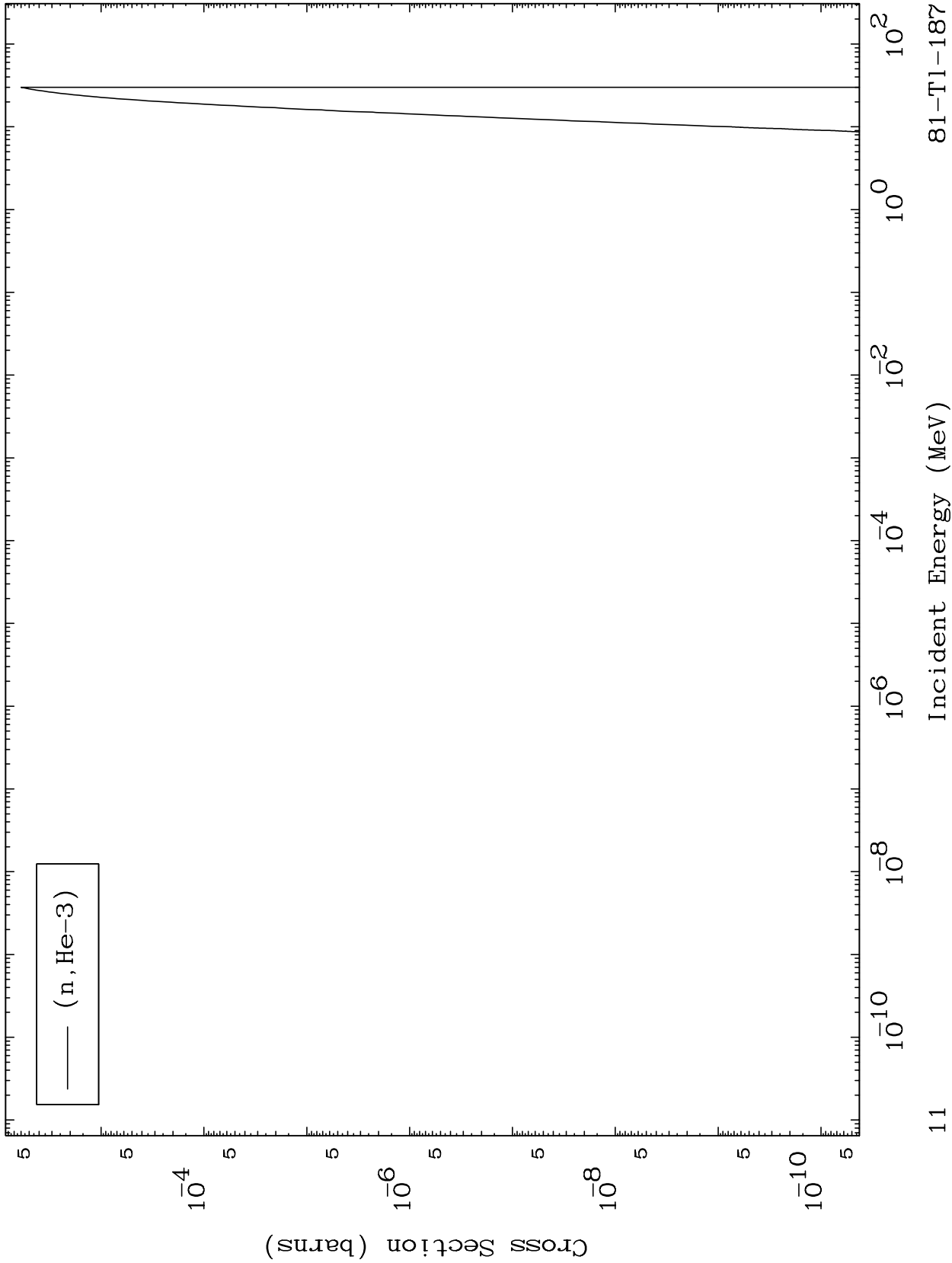
Incident Energy (MeV)

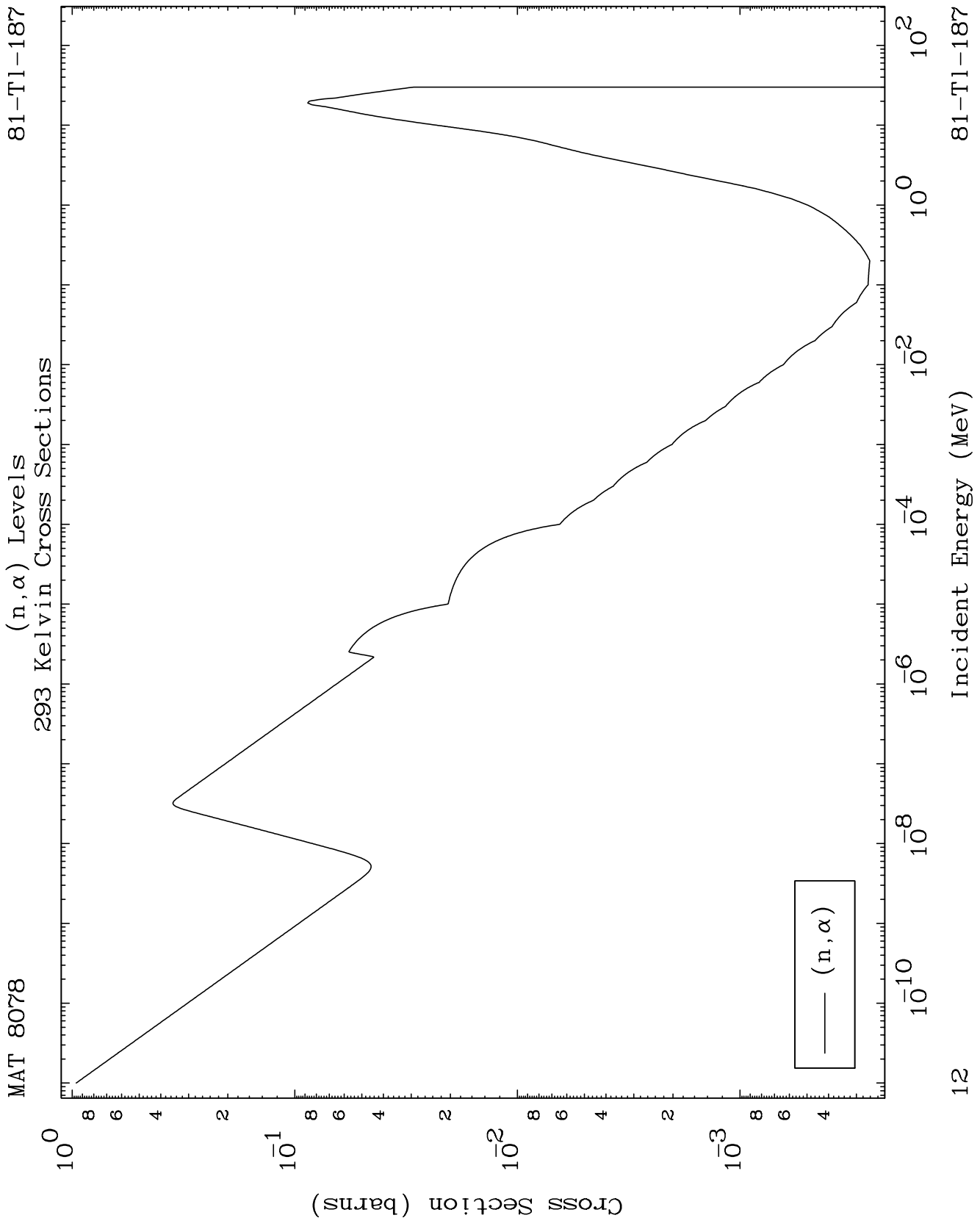
81-Tl-187

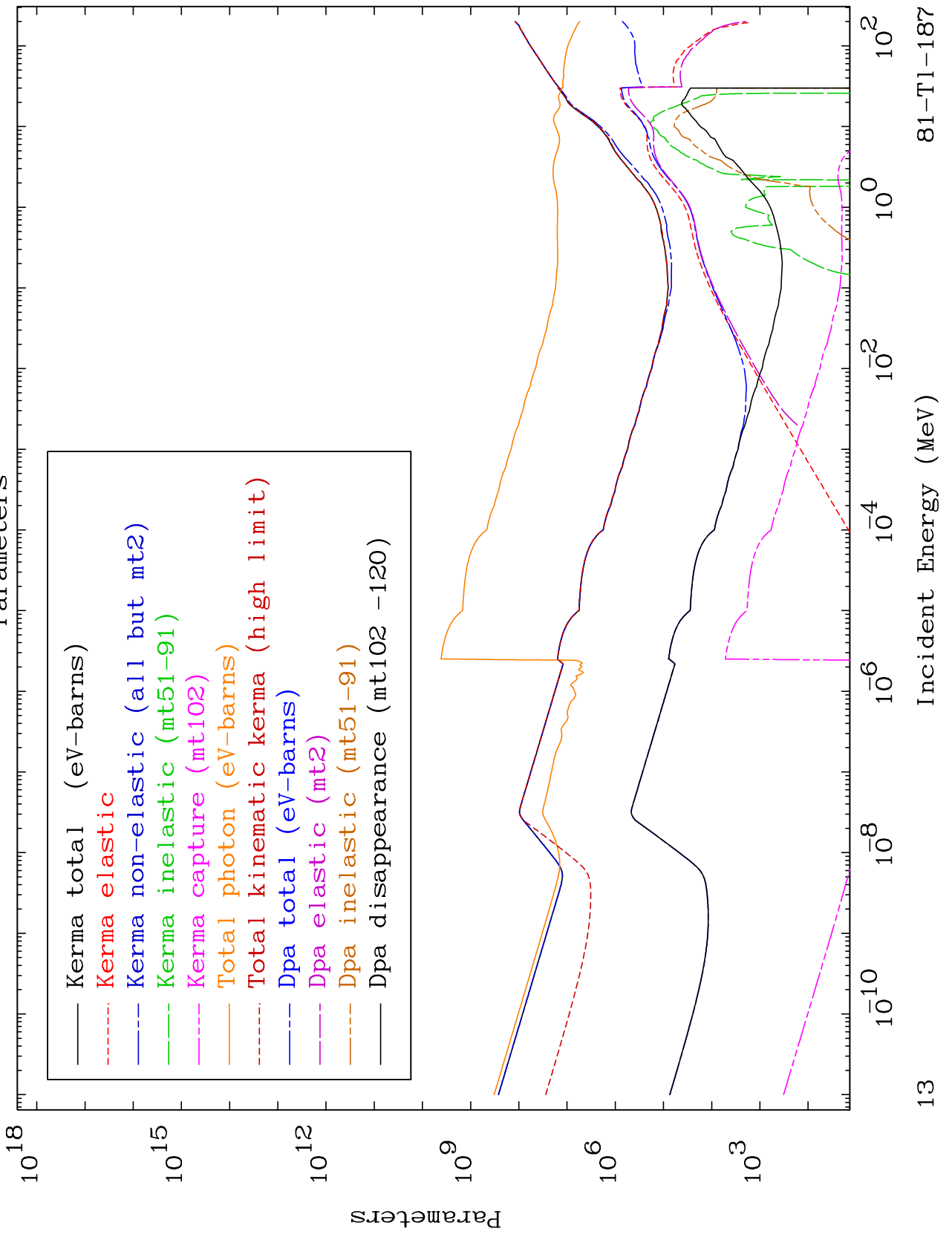
MAT 8078

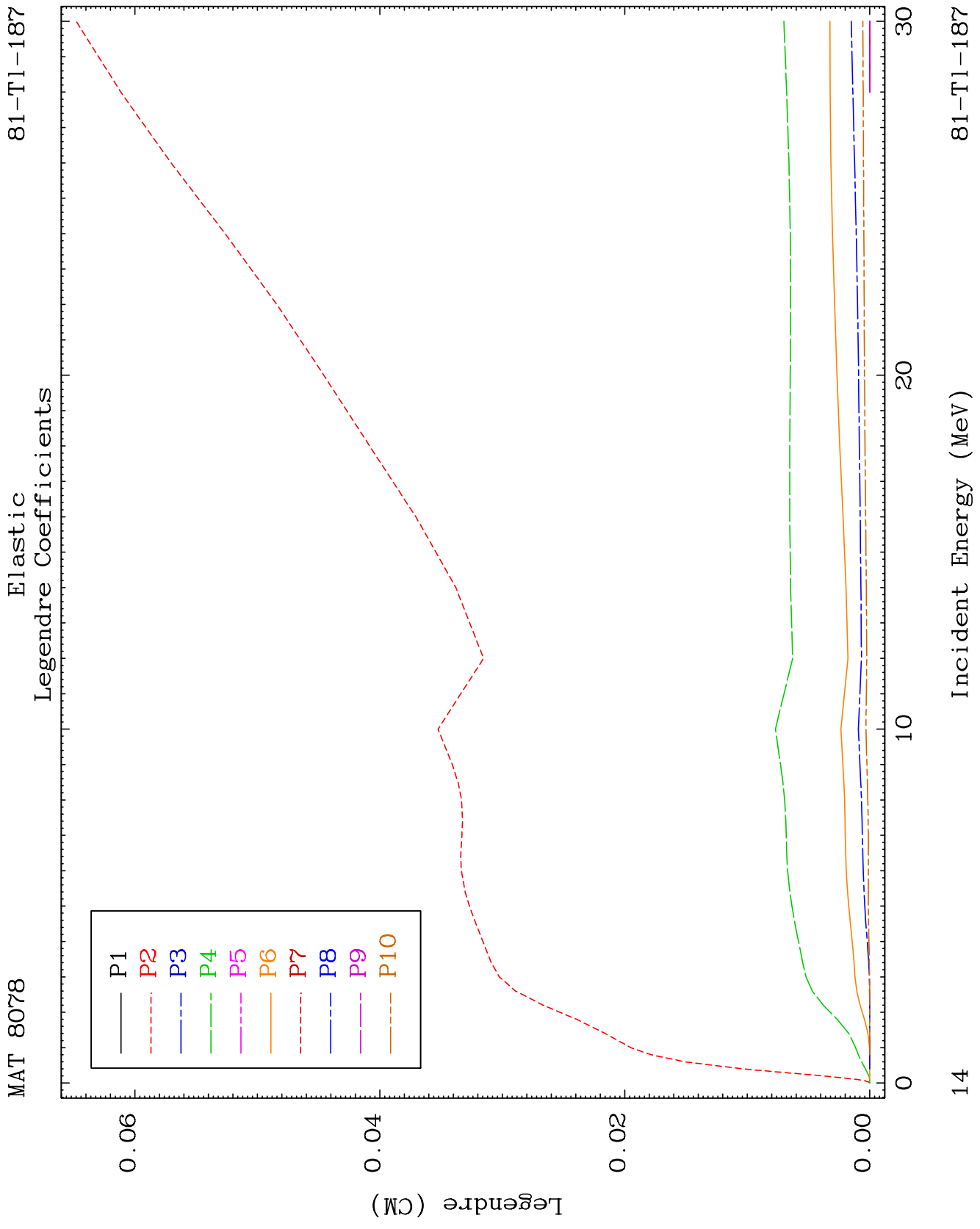
(n,He3) Levels  
293 Kelvin Cross Sections

81-Tl-187









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81-T1-187

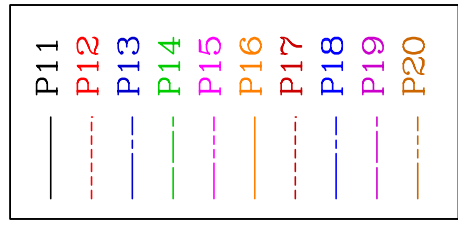
14

81-T1-187

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Elastic Legendre Coefficients

81-Tl-187



$\times 10^{-4}$

Legendre (CM)



15

Incident Energy (MeV)

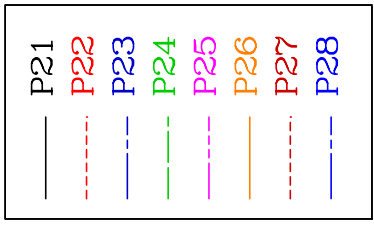
81-Tl-187



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Elastic Legendre Coefficients

81-T1-187



$\times 10^{-6}$

Legendre (CM)



30

25

20

15

16

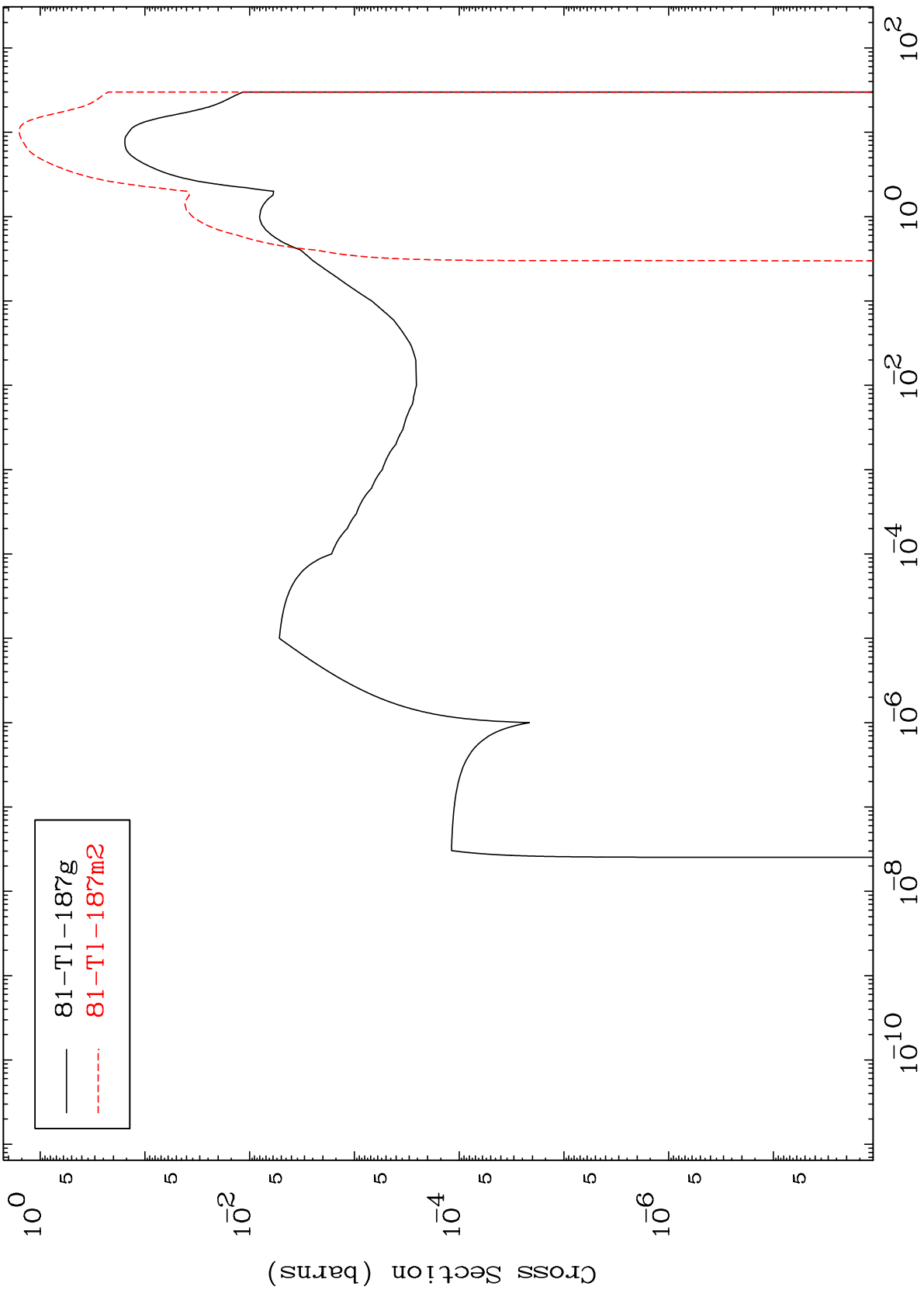
Incident Energy (MeV)

81-T1-187

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81-Tl-187

Inelastic  
Radionuclide Production Cross Section

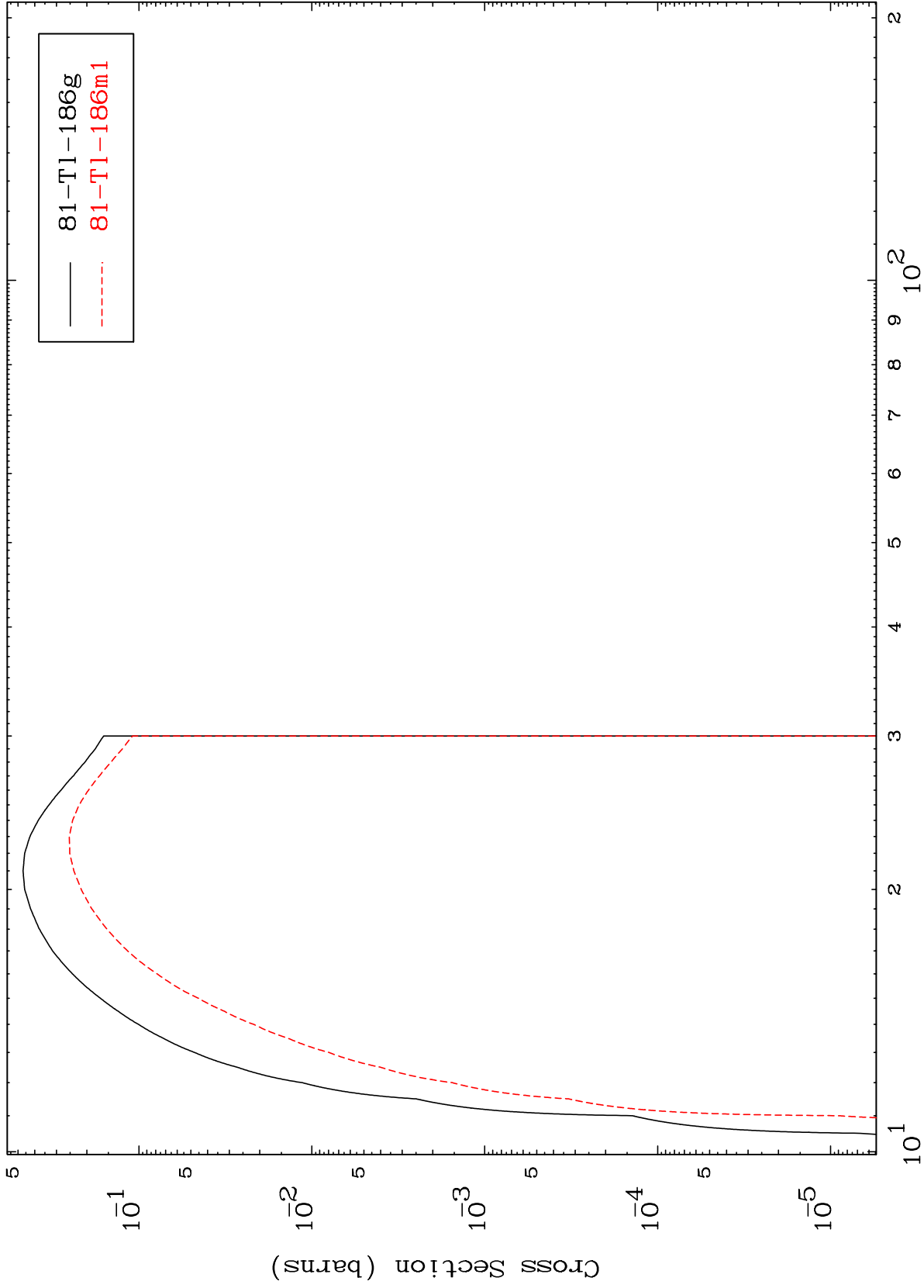


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(n,2n)

81-Tl-187

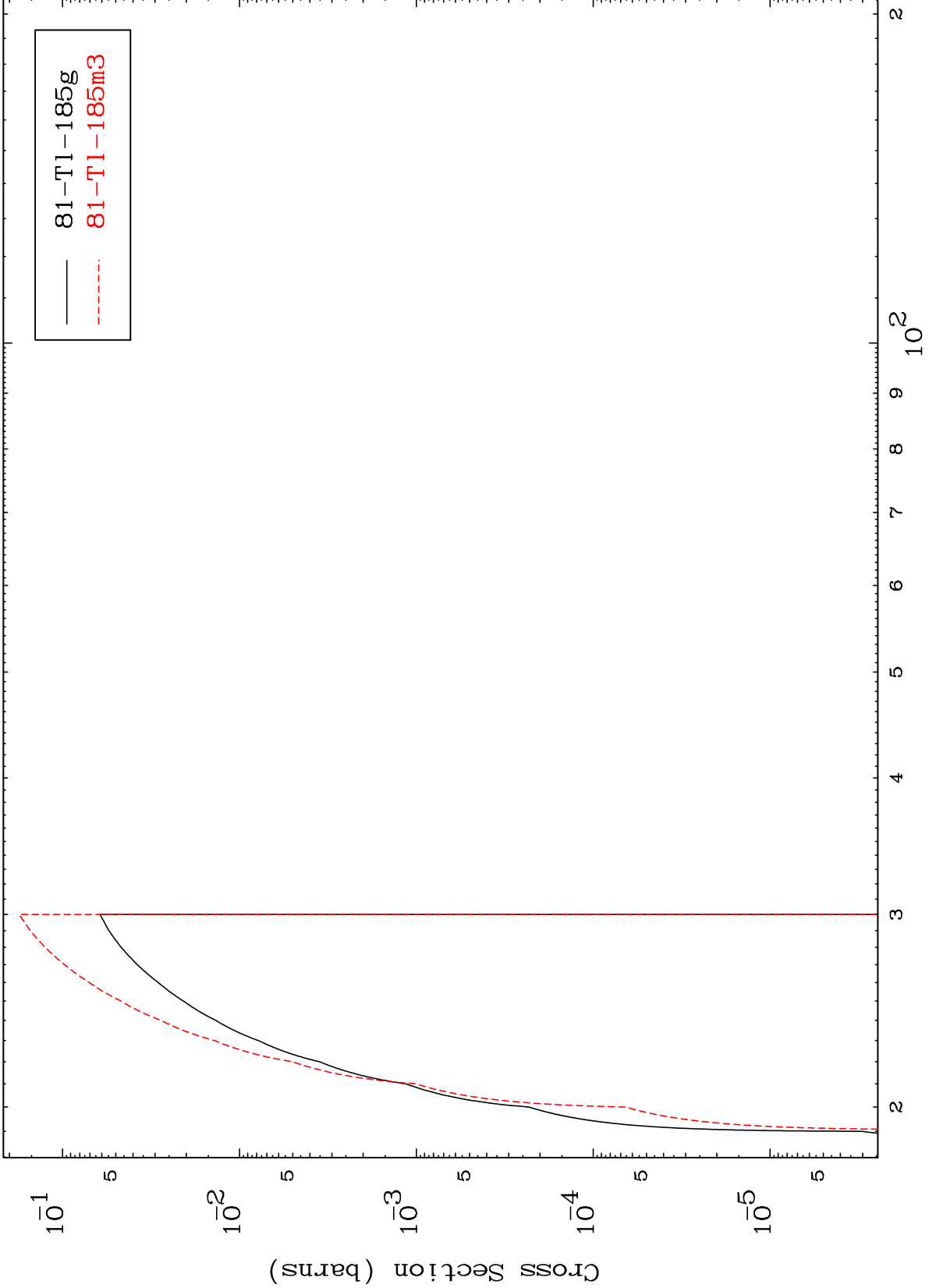
Radionuclide Production Cross Section



Incident Energy (MeV)

81-Tl-187

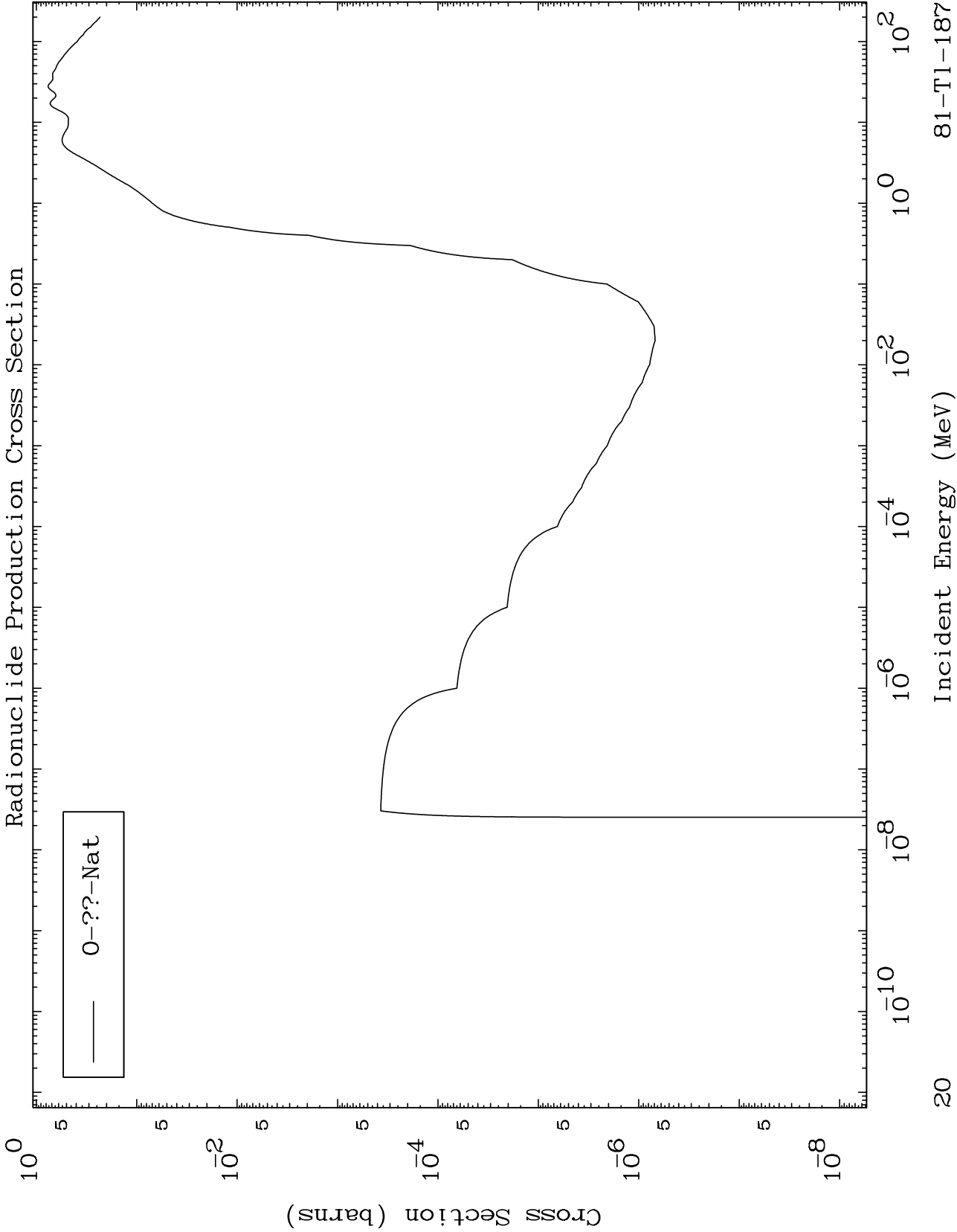
Radionuclide Production Cross Section



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Fission

81-Tl-187

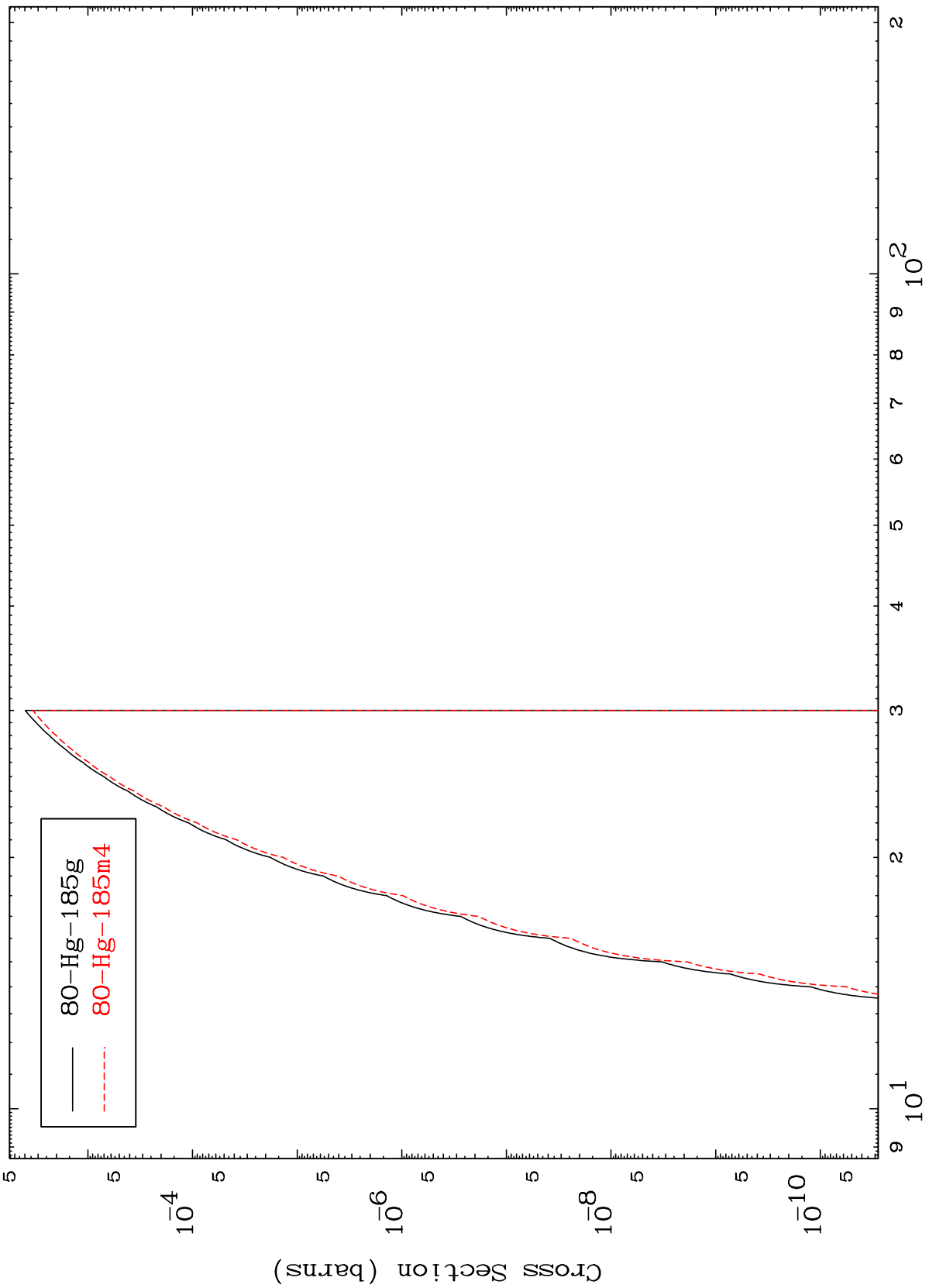


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(n,n') d

81-Tl-187

Radionuclide Production Cross Section



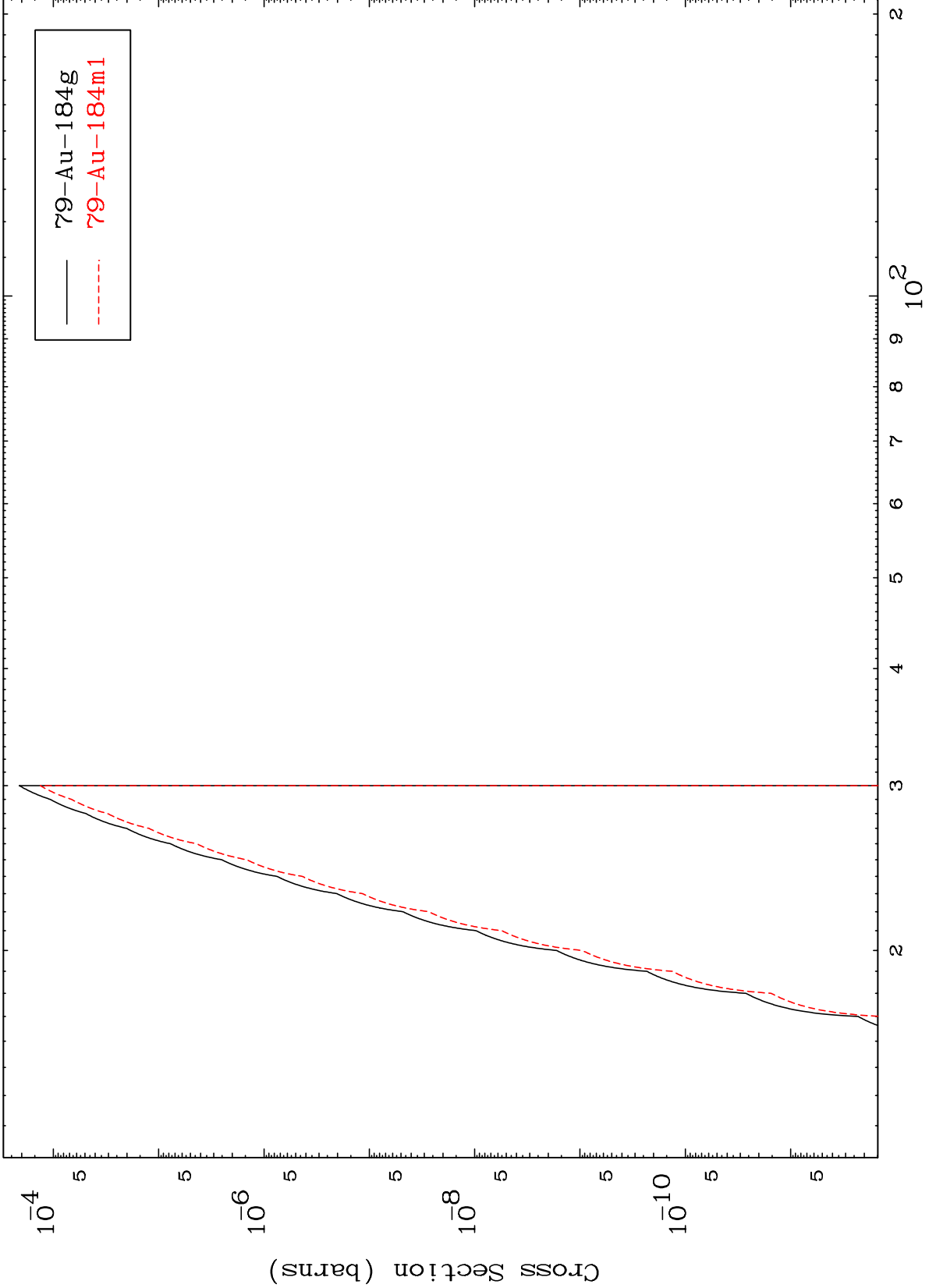
80-Hg-185g  
80-Hg-185m4

21

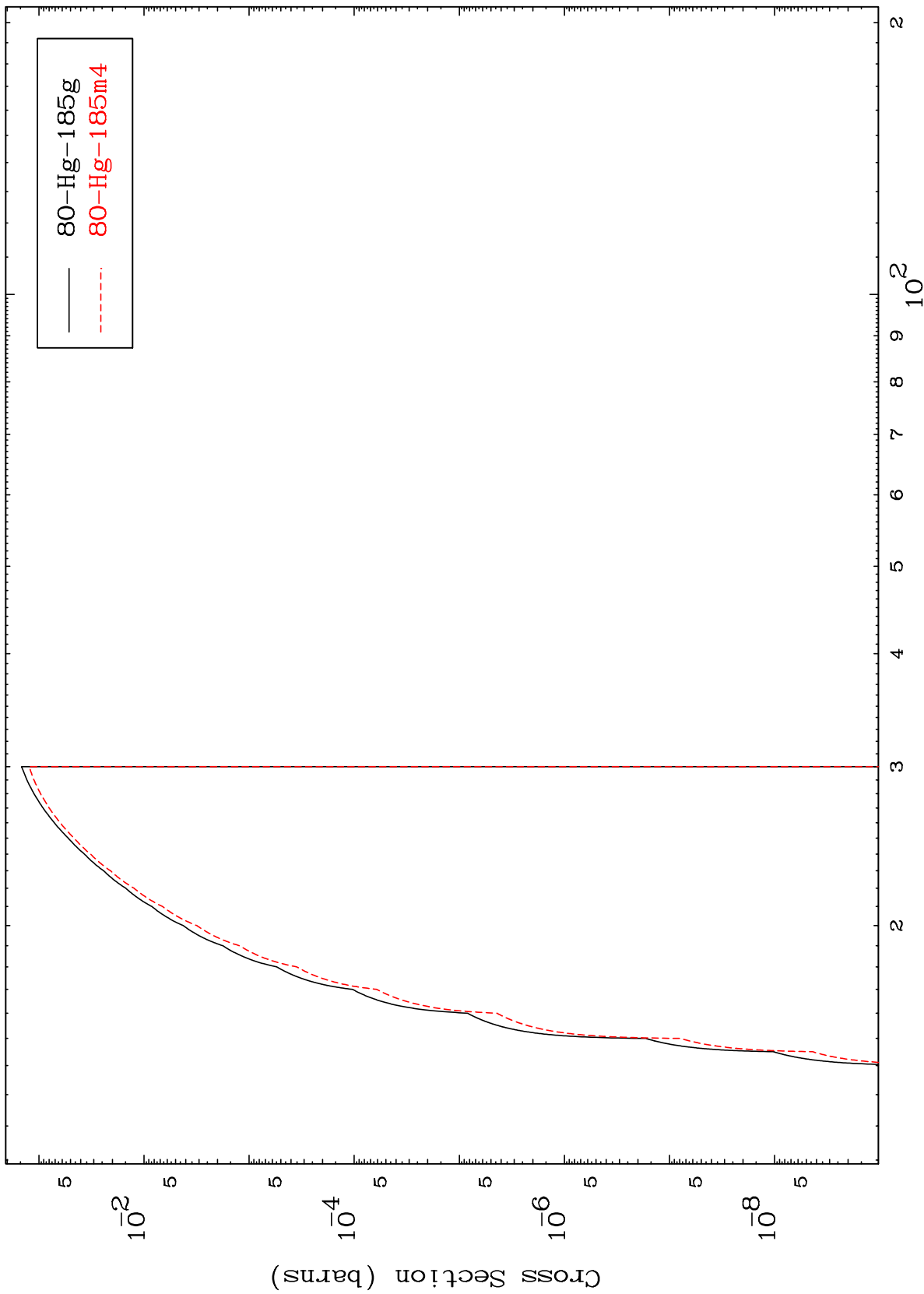
Incident Energy (MeV)

81-Tl-187

Radionuclide Production Cross Section



Radionuclide Production Cross Section



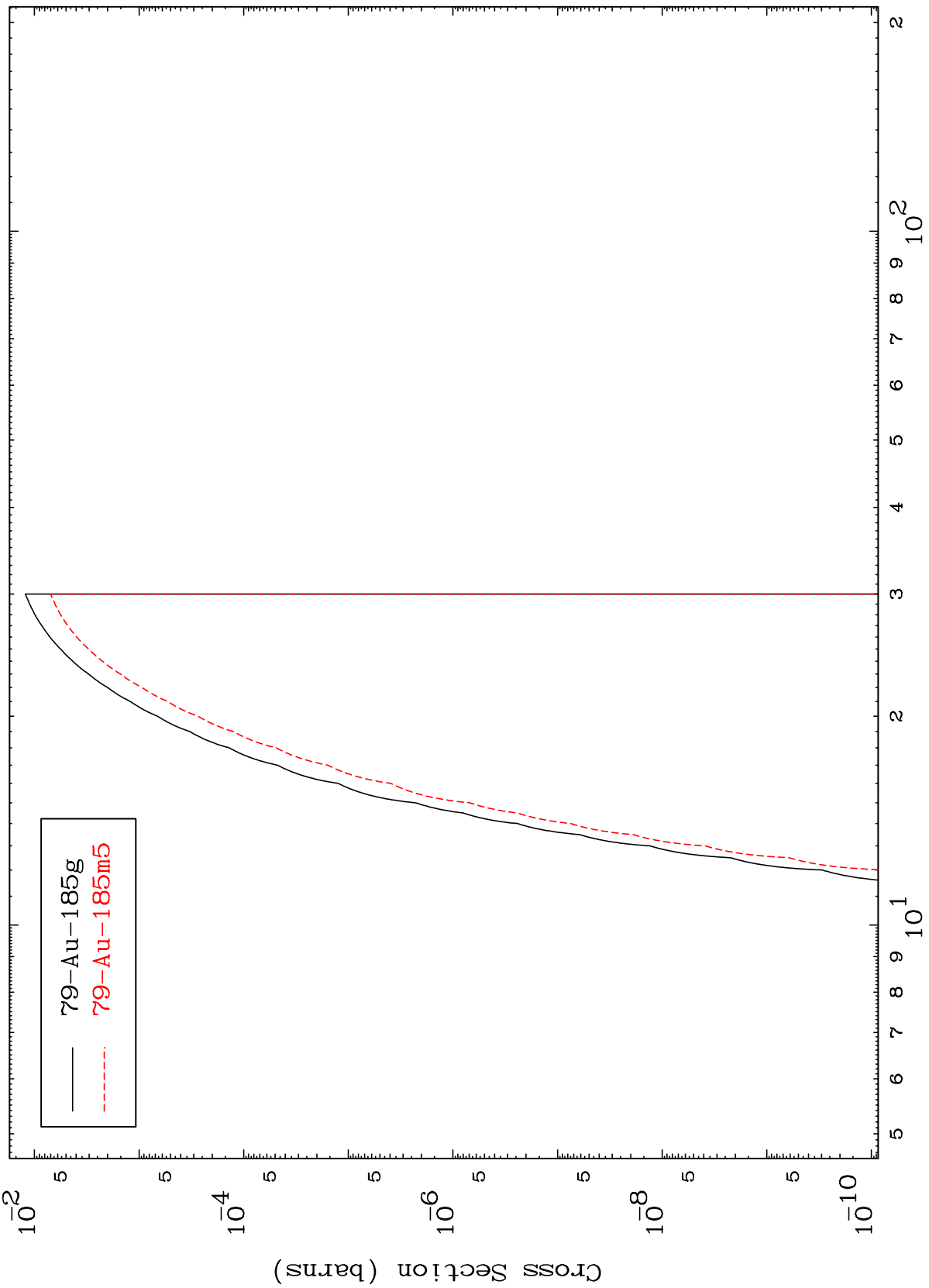


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(n,2n) p

81-Tl-187

Radionuclide Production Cross Section



24

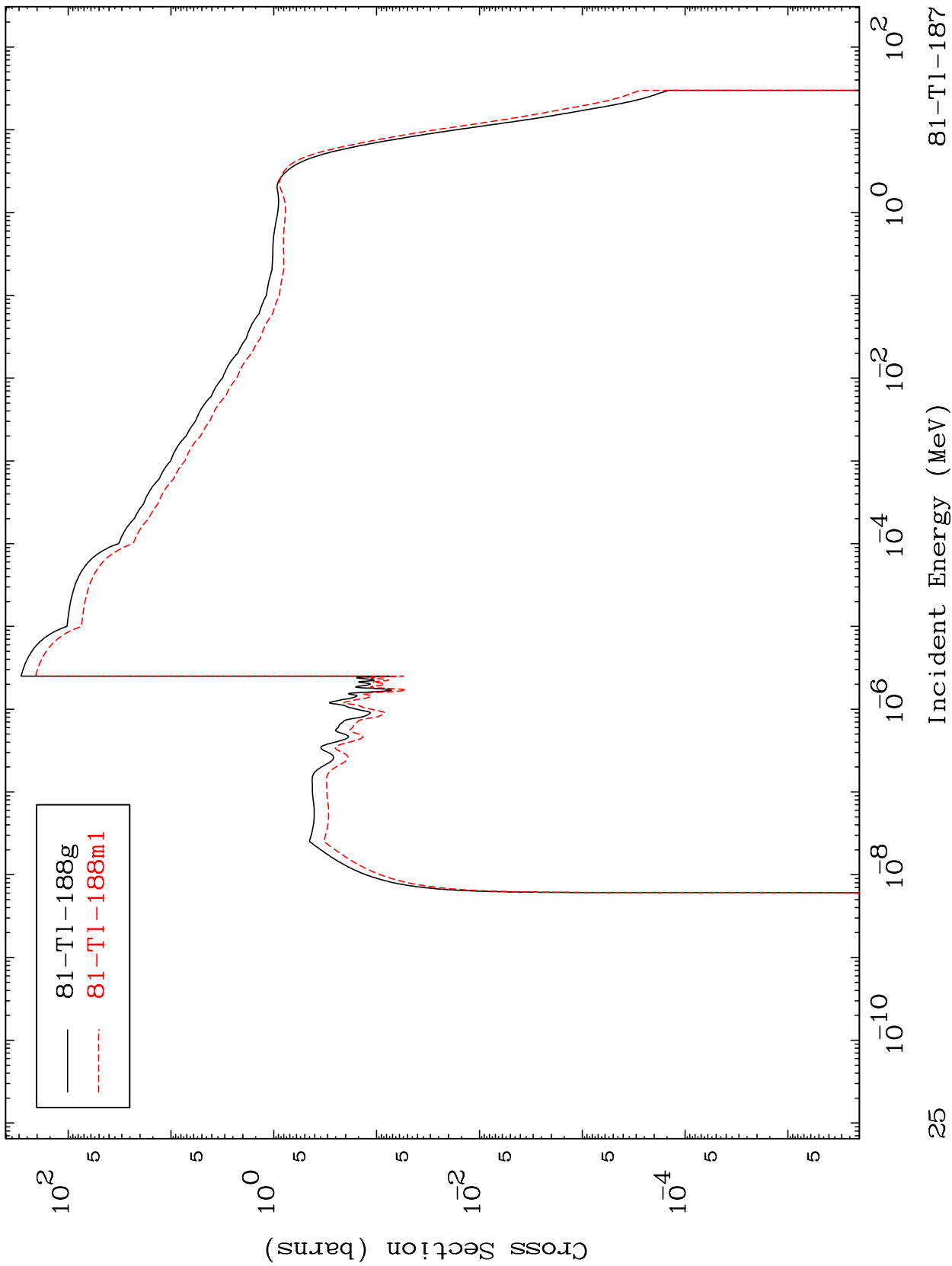
Incident Energy (MeV)

81-Tl-187

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81-Tl-187

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



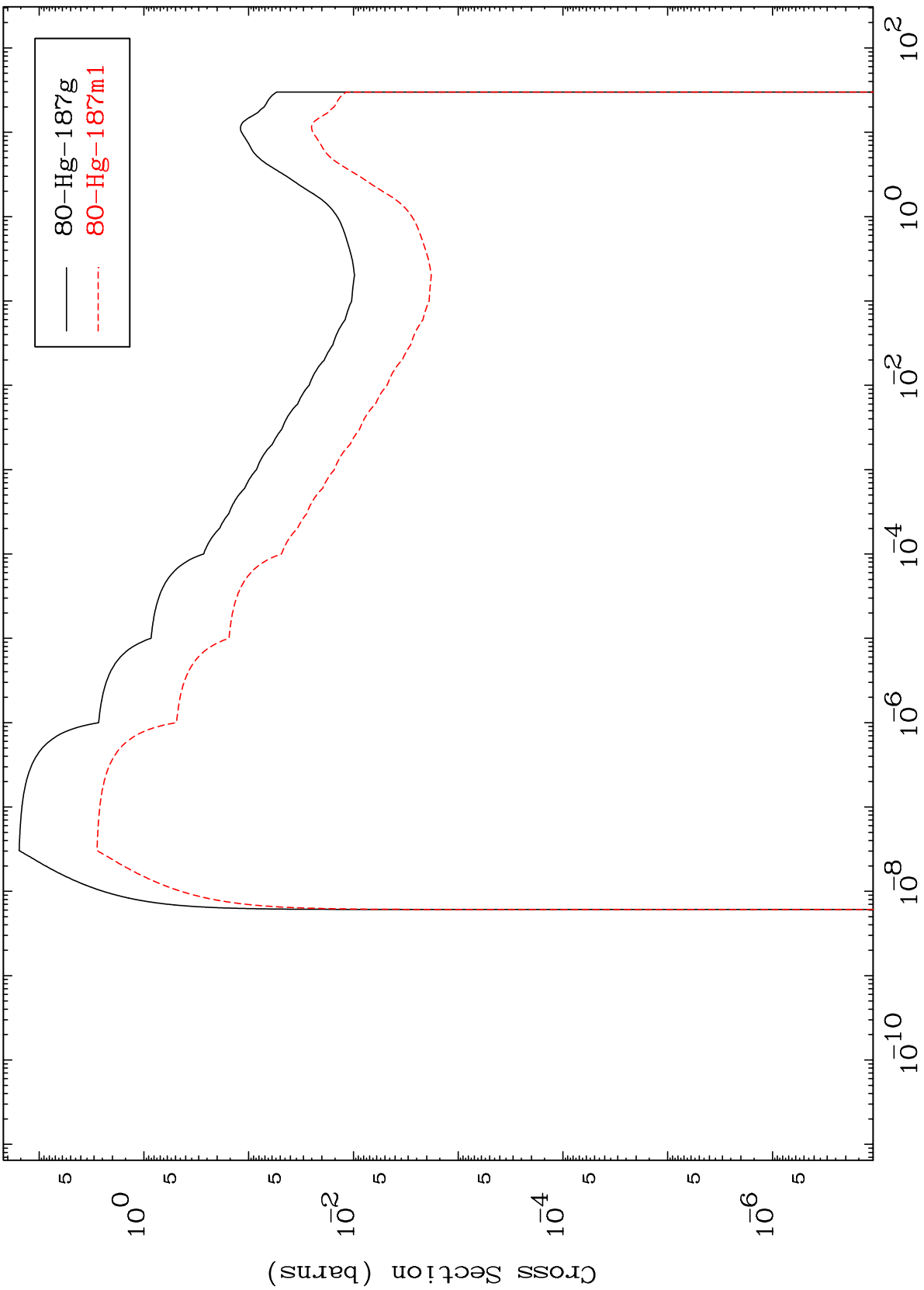
25

81-Tl-187

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81-Tl-187

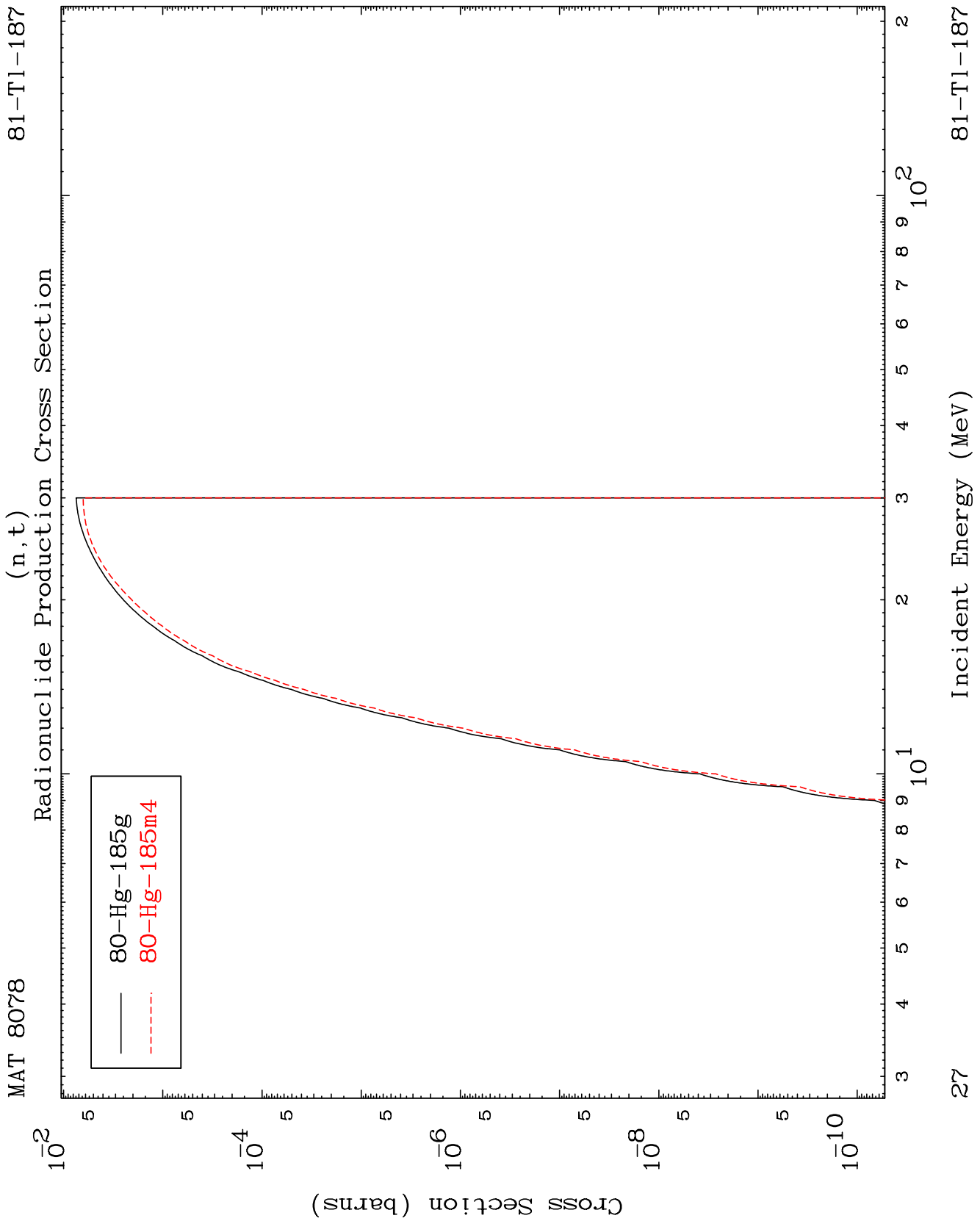
(n,p)  
Radionuclide Production Cross Section



26

81-Tl-187

Incident Energy (MeV)

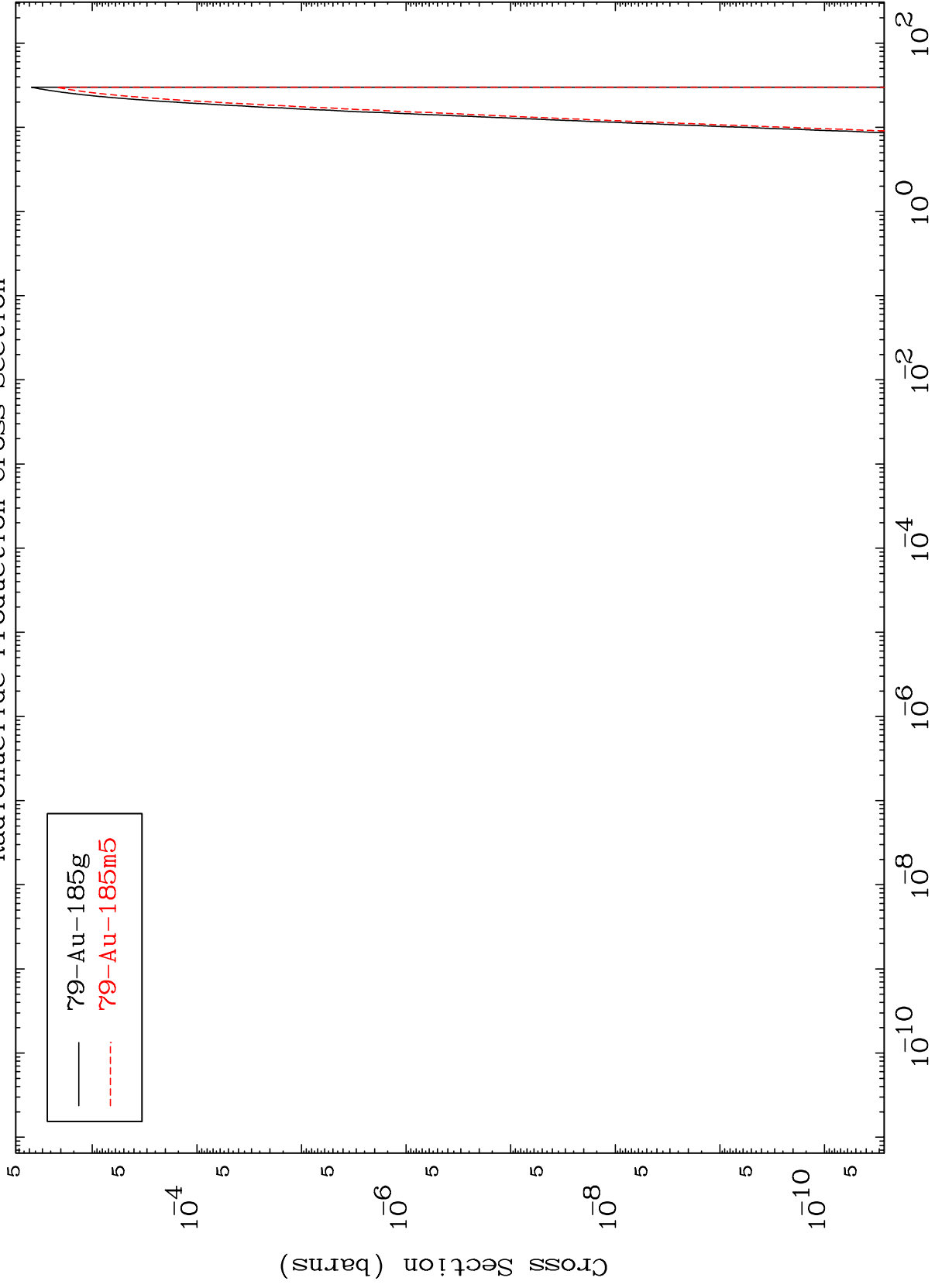


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(n,He-3)

81-Tl-187

Radionuclide Production Cross Section

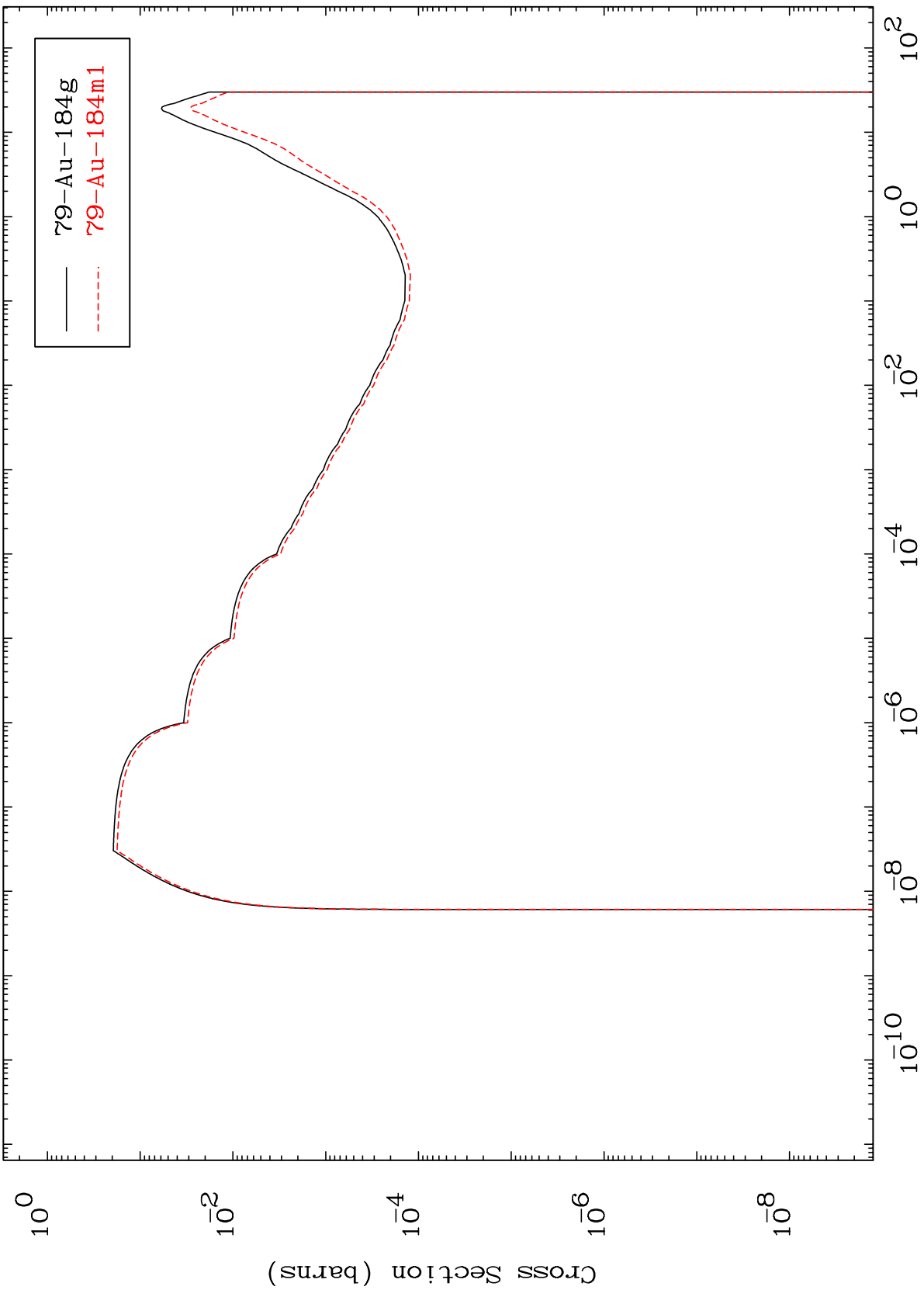


—  $^{79}\text{Au-185g}$   
- - -  $^{79}\text{Au-185m5}$

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81-Tl-187

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



— 79-Au-184g  
- - - 79-Au-184m1

29

81-Tl-187

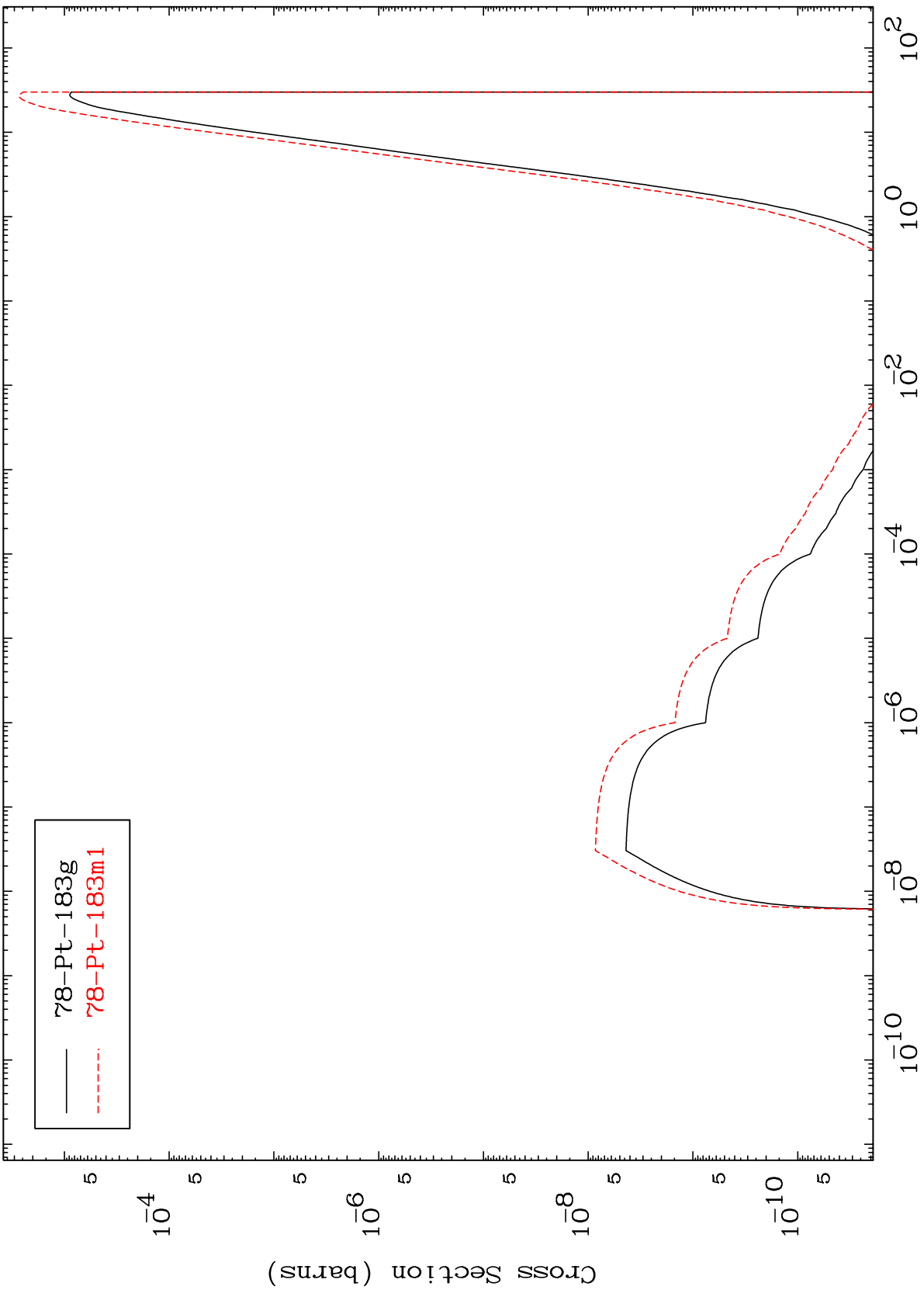
Incident Energy (MeV)

MAT 8078

(n,p)  $\alpha$

81-Tl-187

Radionuclide Production Cross Section



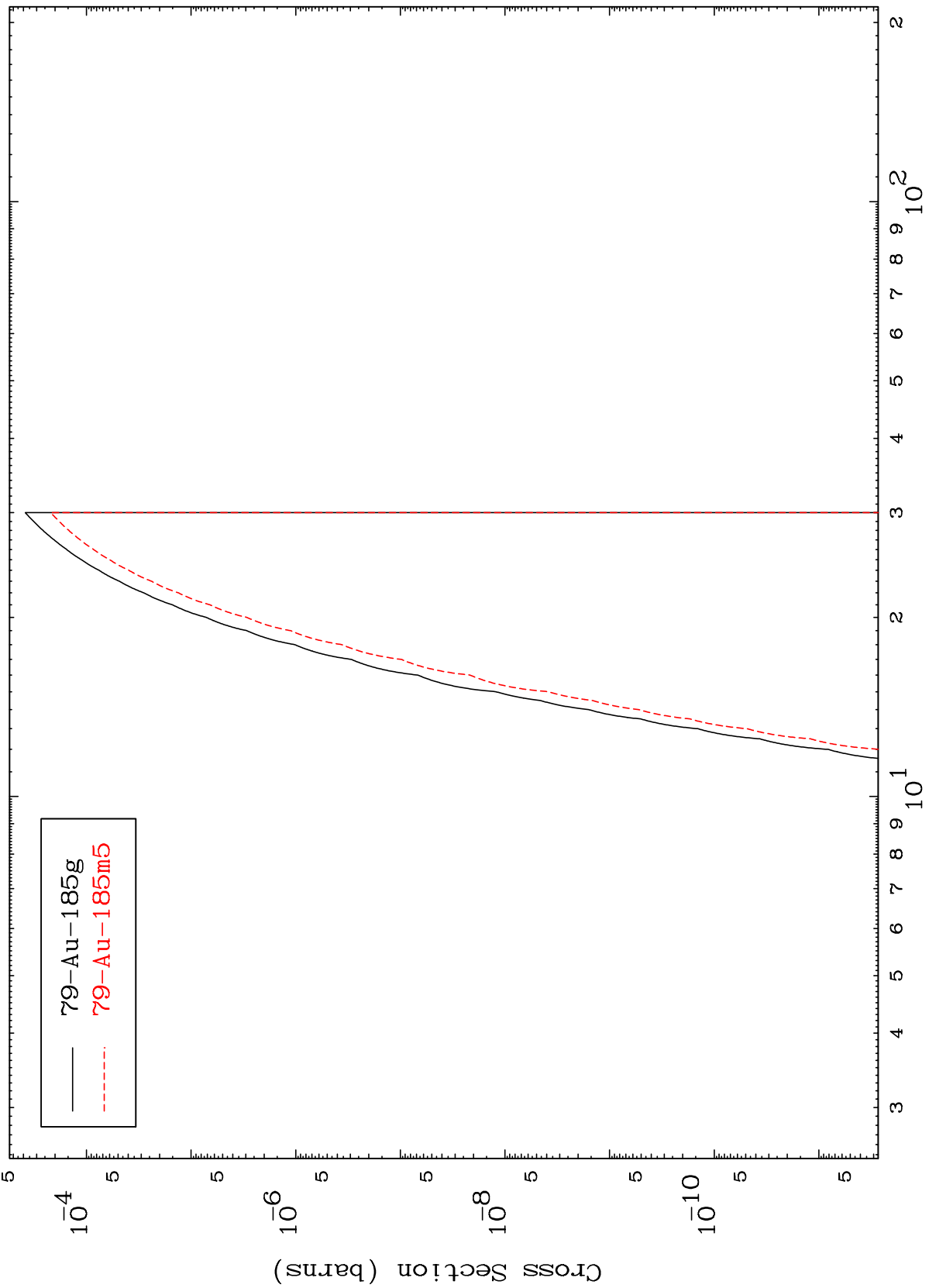
78-Pt-183g  
78-Pt-183m1

MAT 8078

(n,p) d

81-Tl-187

Radionuclide Production Cross Section



— 79-Au-185g  
- - - 79-Au-185m5

Incident Energy (MeV)

81-Tl-187

31

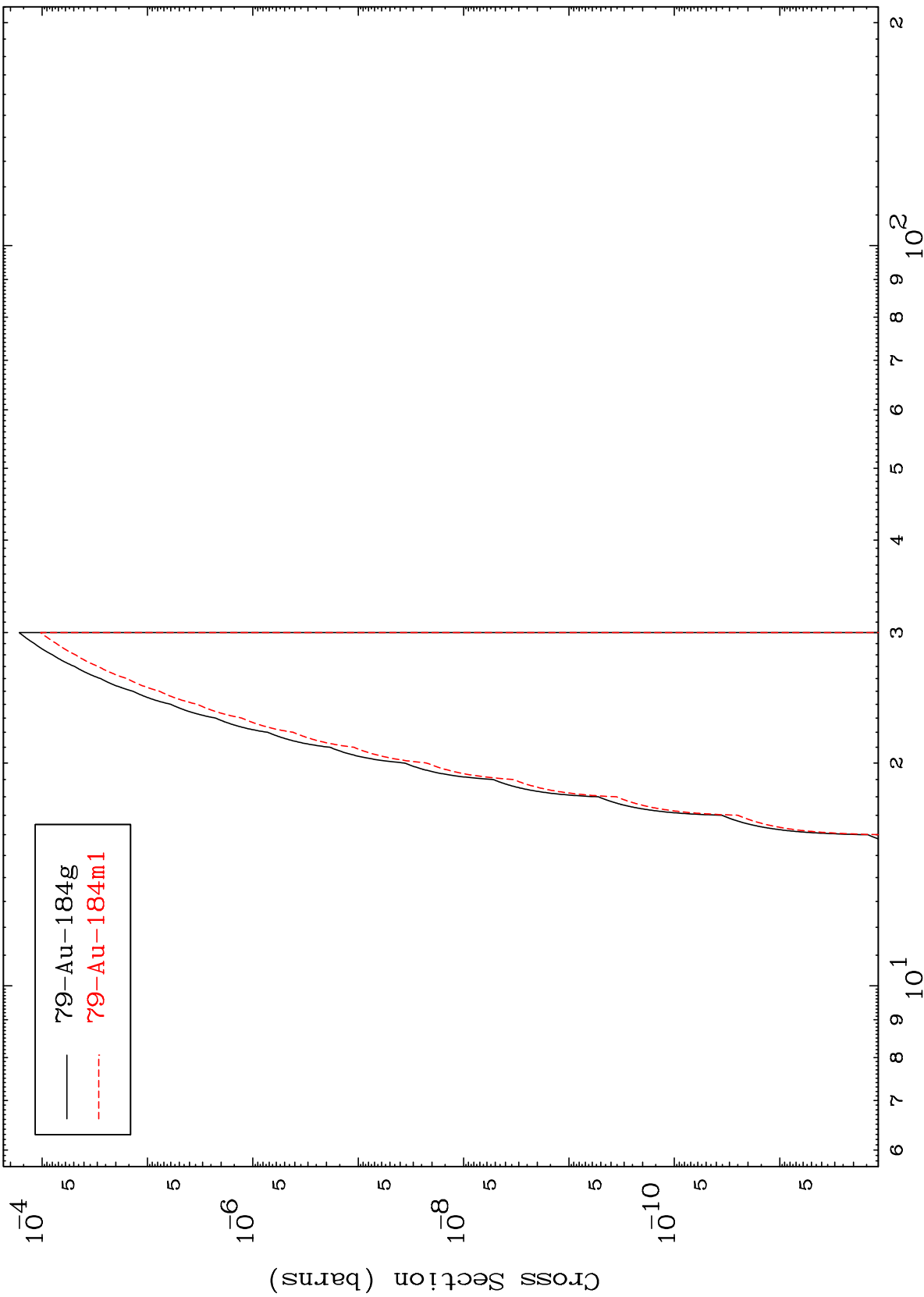


MAT 8078

(n,p) t

81-Tl-187

Radionuclide Production Cross Section



79-Au-184g  
79-Au-184m1

Incident Energy (MeV)

81-Tl-187

32