

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

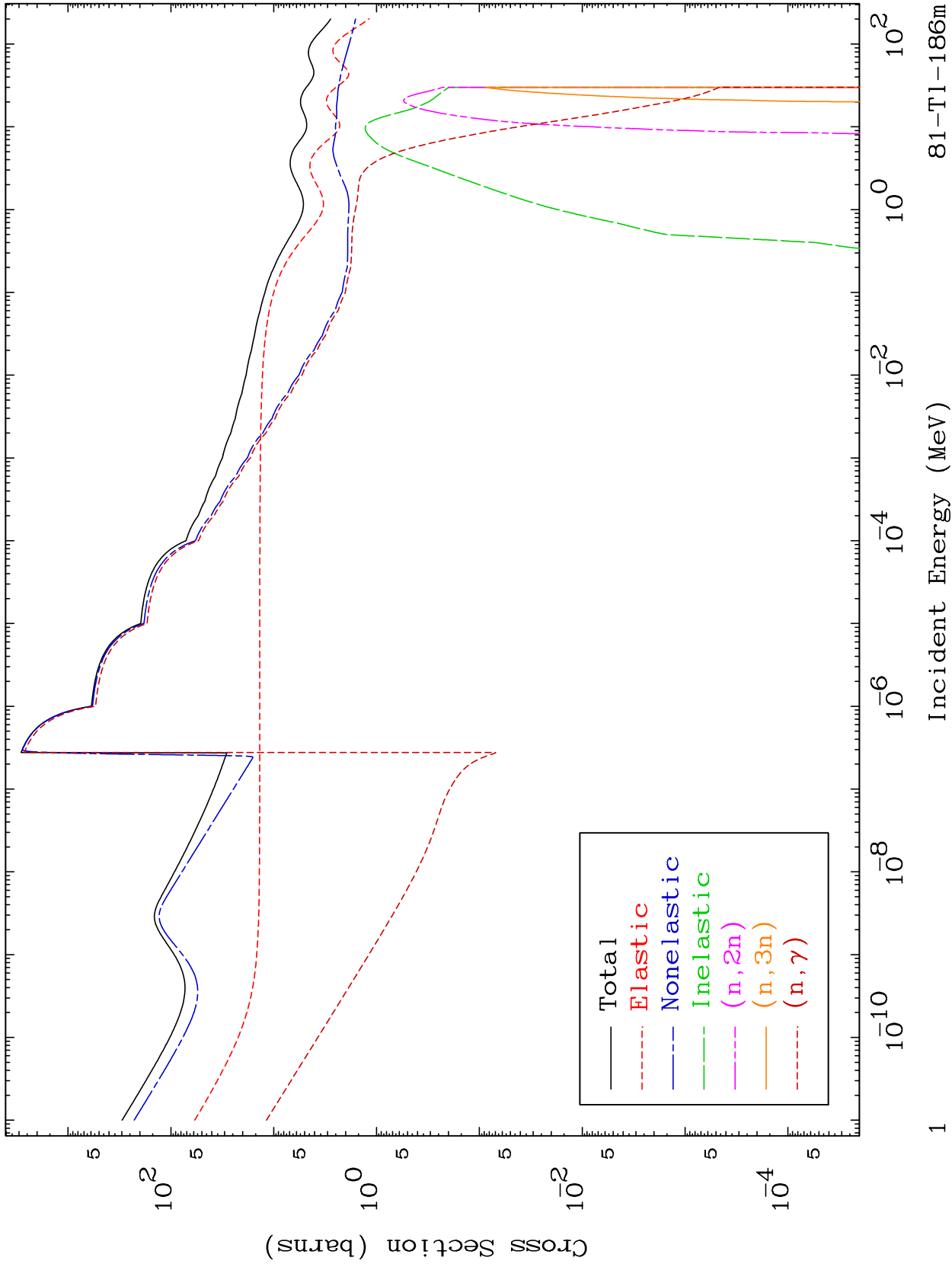
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8075

Neutron Major  
293 Kelvin Cross Sections

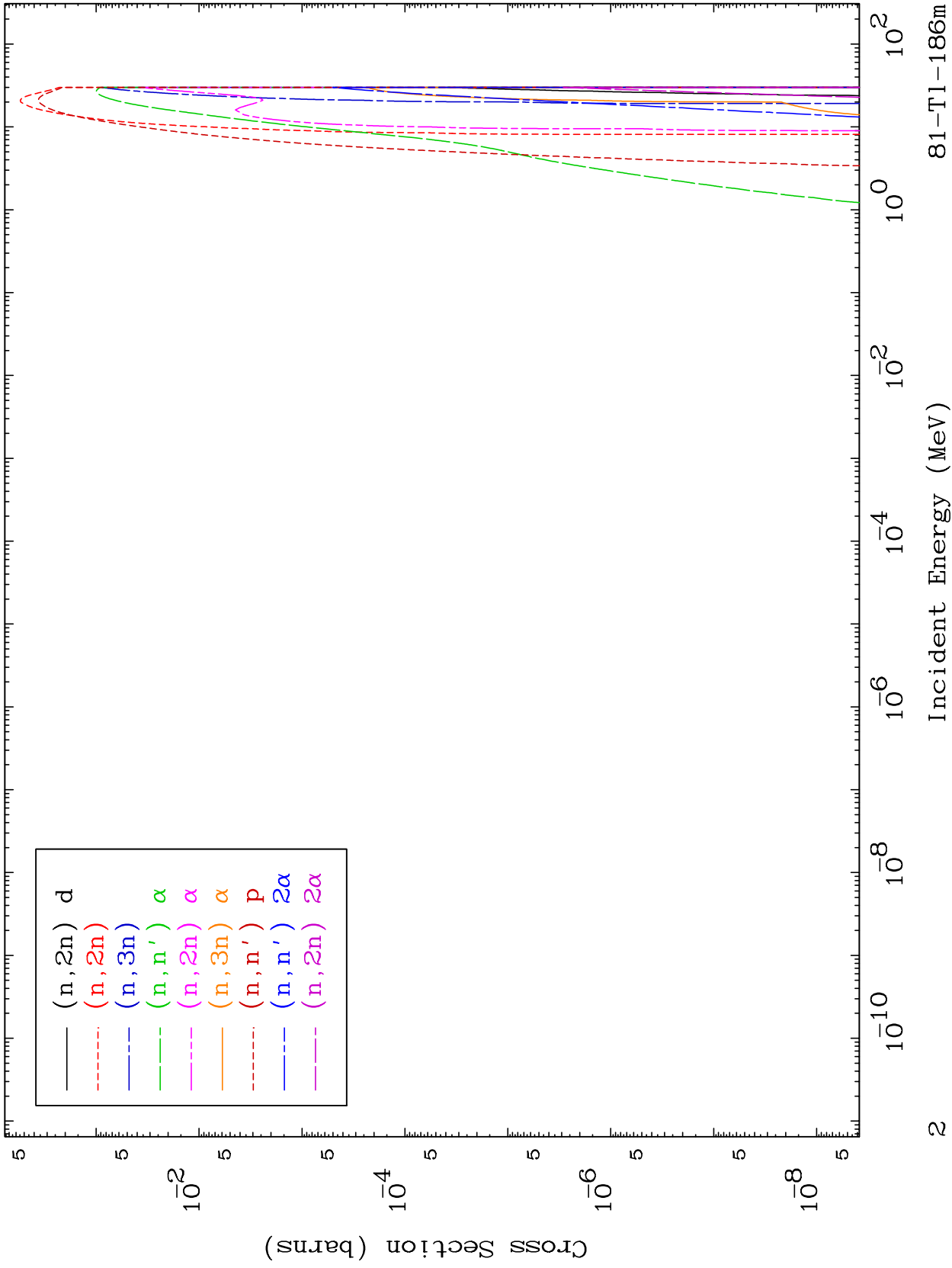
81-TI-186m



MAT 8075

Neutron Absorption  
293 Kelvin Cross Sections

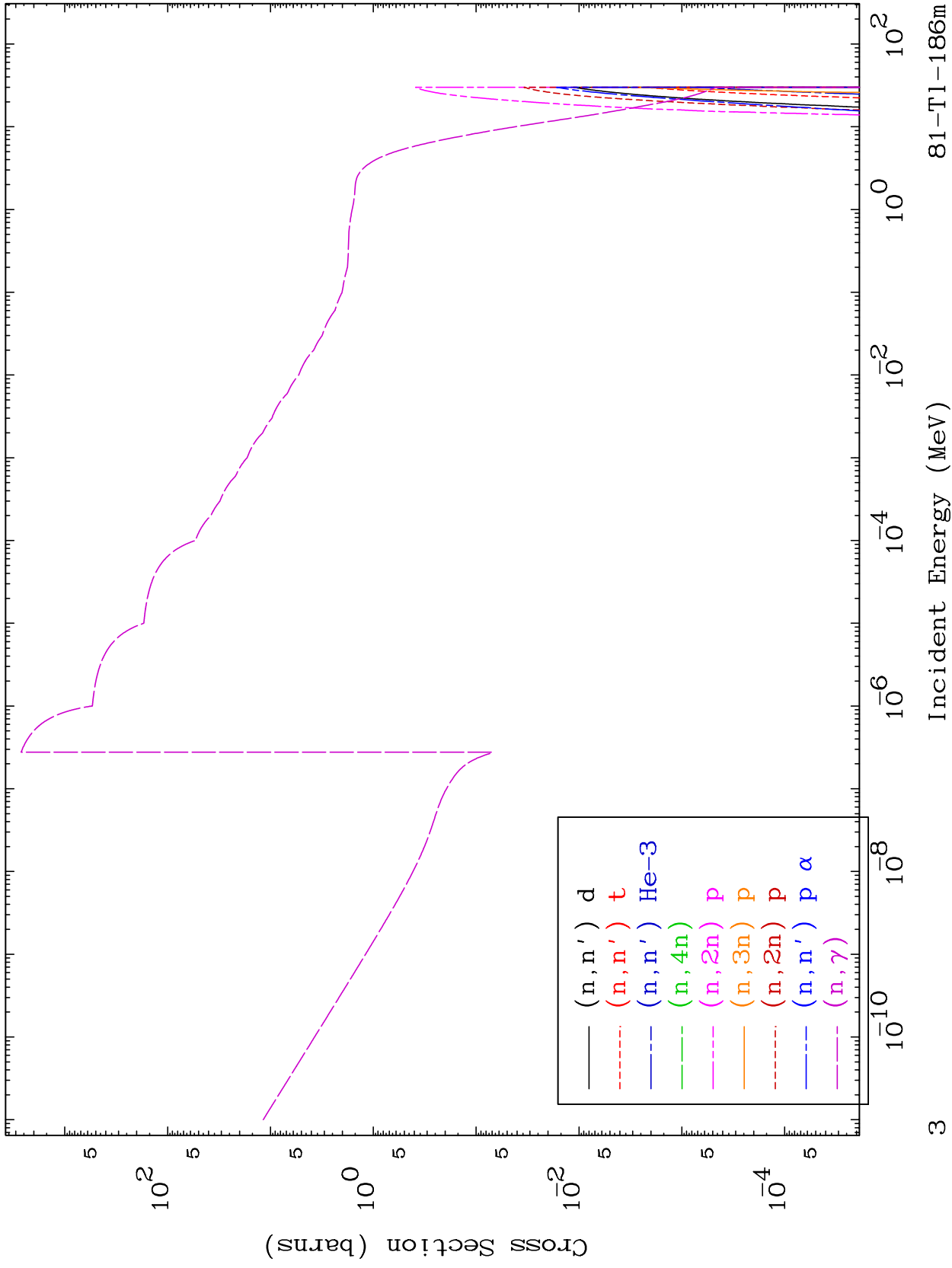
81-Tl-186m



MAT 8075

Neutron Absorption  
293 Kelvin Cross Sections

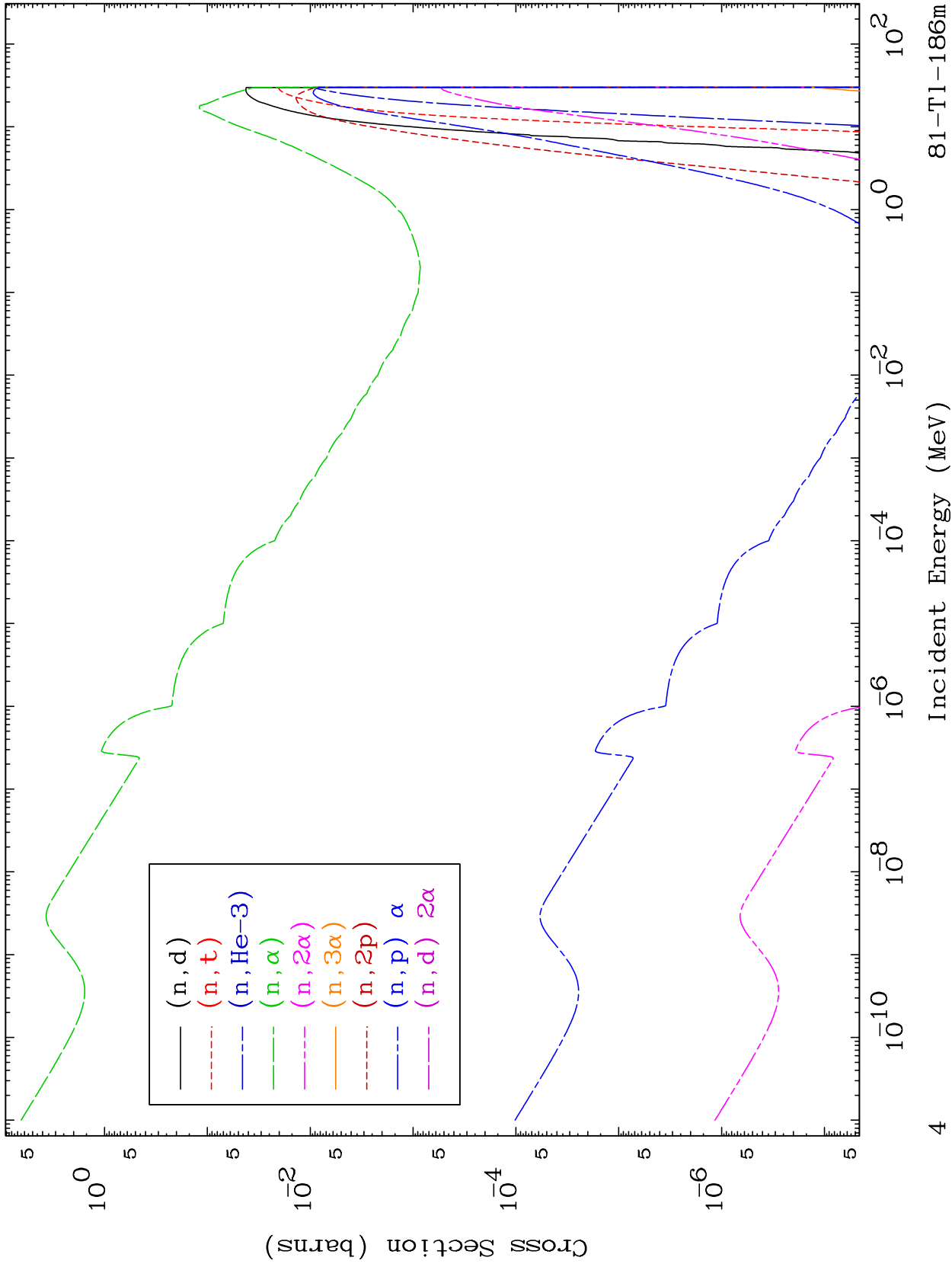
81-Tl-186m

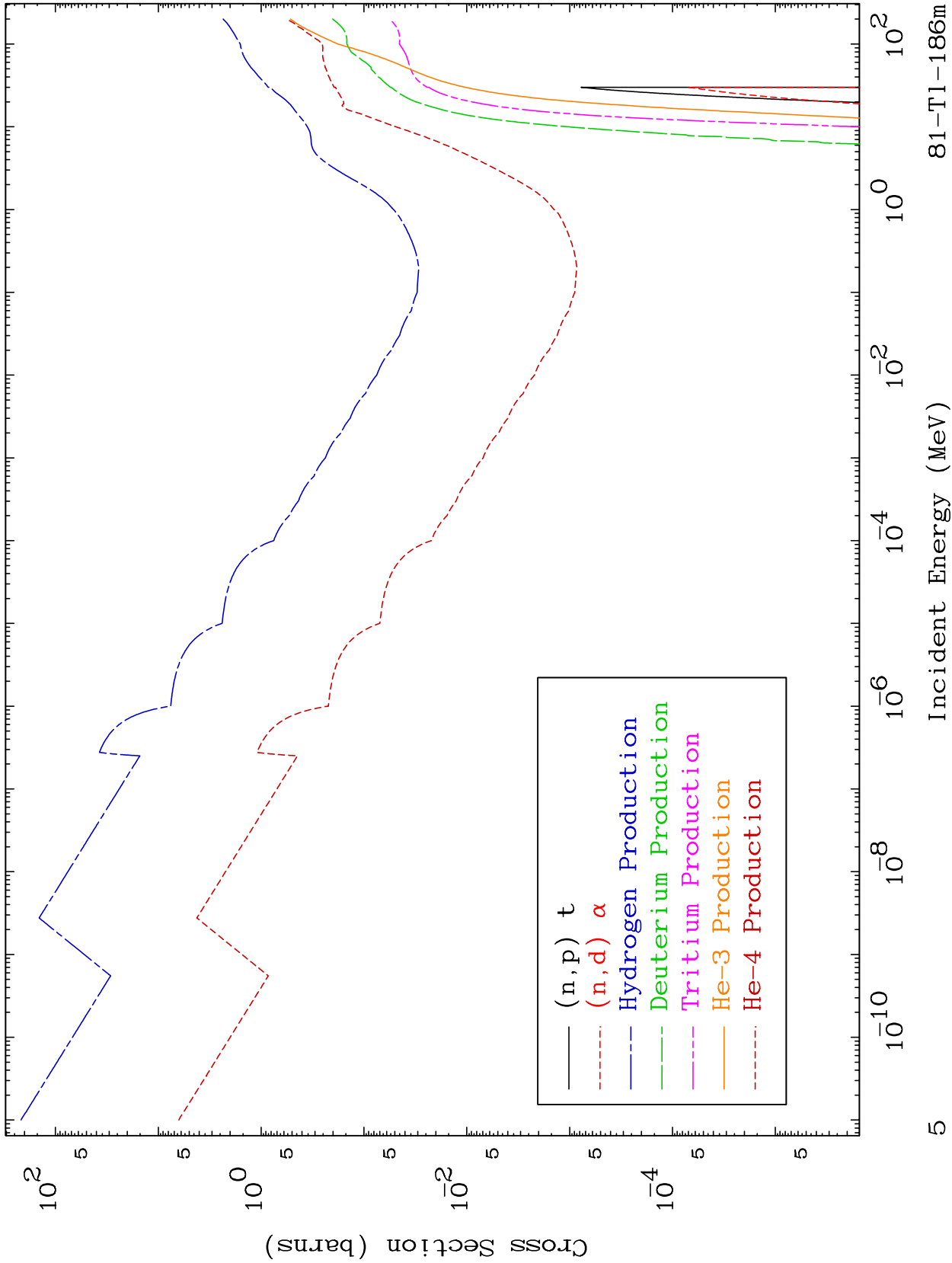


MAT 8075

Neutron Absorption  
293 Kelvin Cross Sections

81-TI-186m

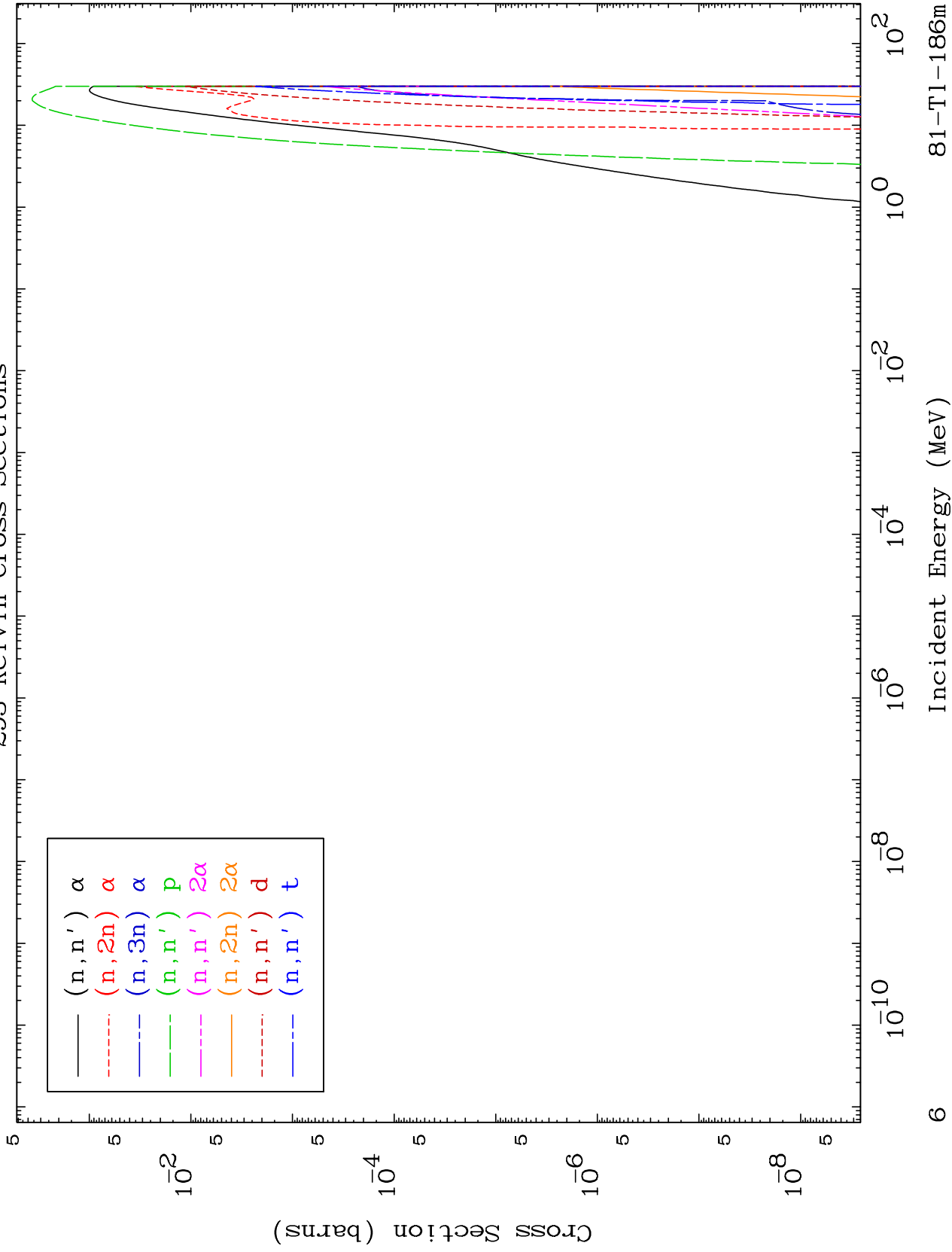




MAT 8075

Charged Particle  
293 Kelvin Cross Sections

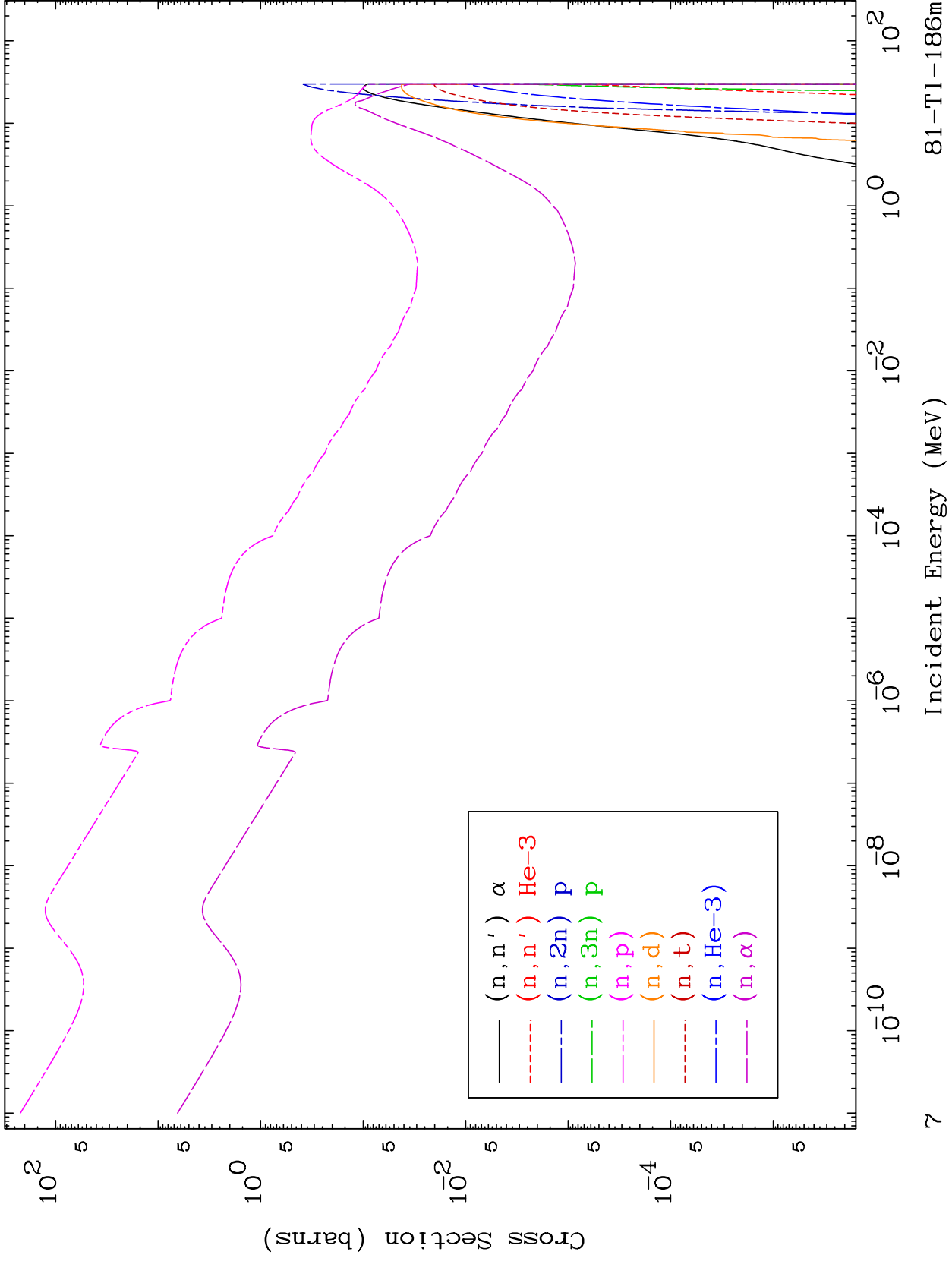
81-Tl-186m



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Charged Particle  
293 Kelvin Cross Sections

81-Tl-186m

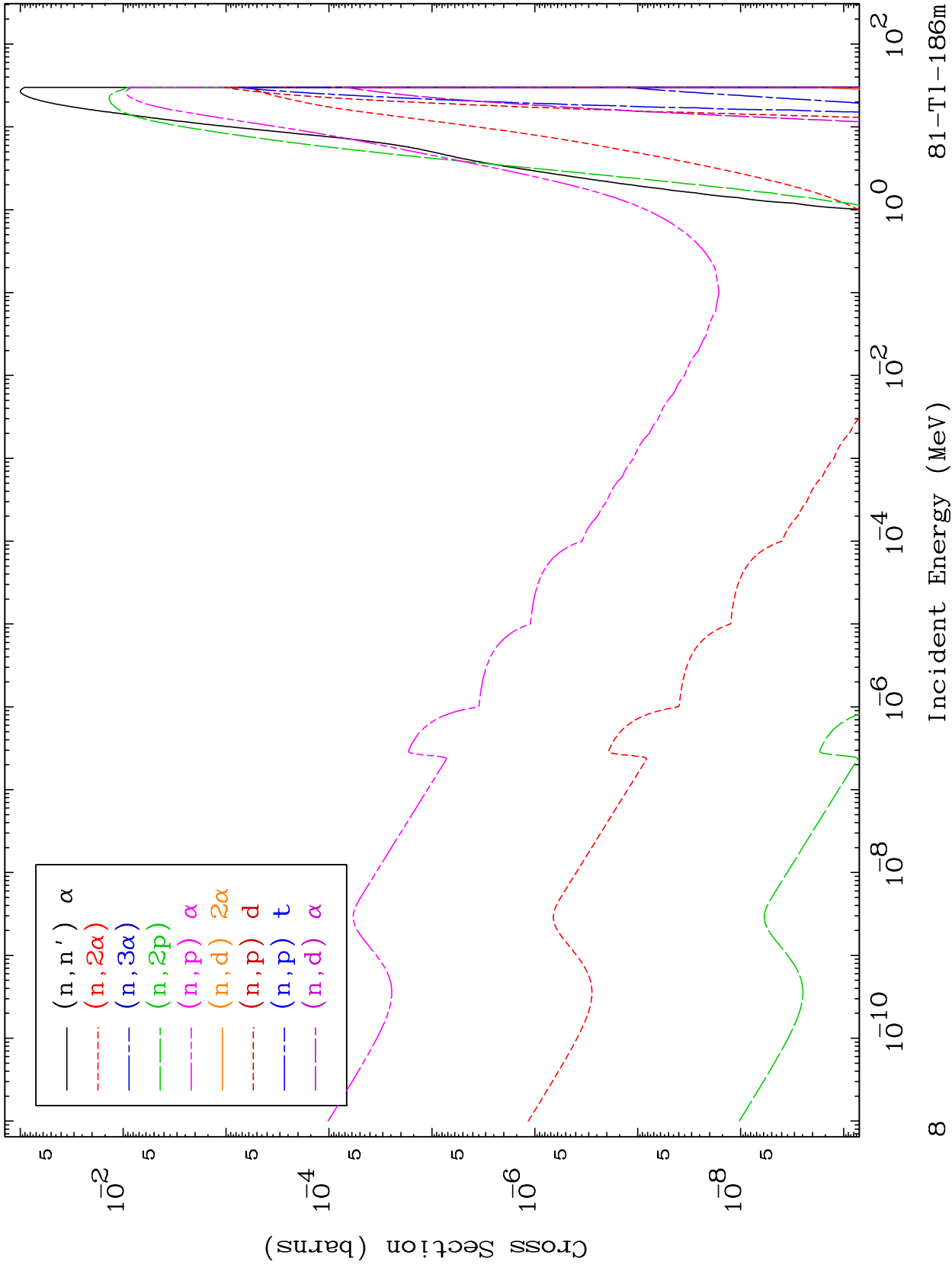




MAT 8075

Charged Particle  
293 Kelvin Cross Sections

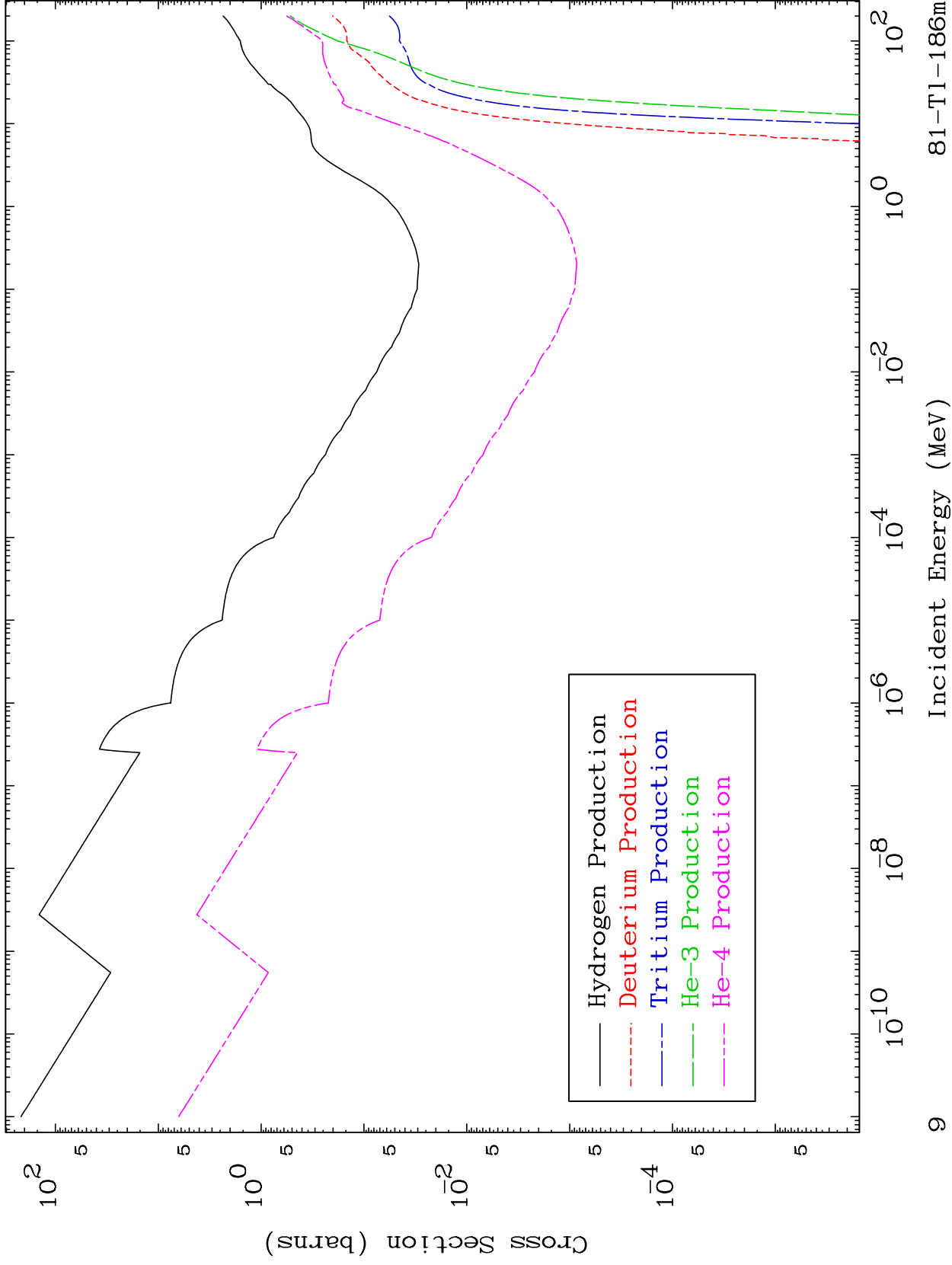
81-Tl-186m



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Particle Production  
293 Kelvin Cross Sections

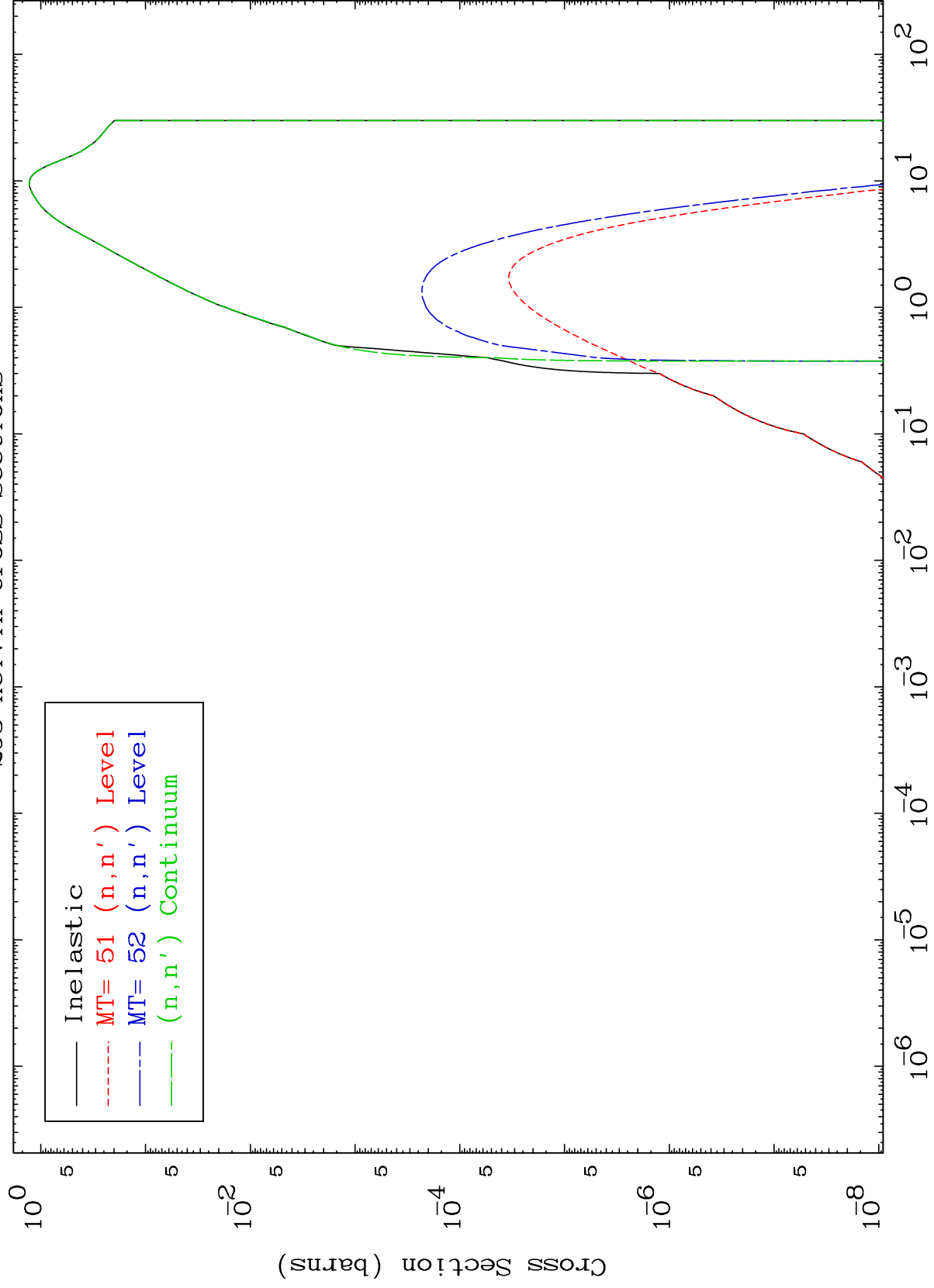
81-Tl-186m



MAT 8075

(n,n') Levels  
293 Kelvin Cross Sections

81-Tl-186m



10

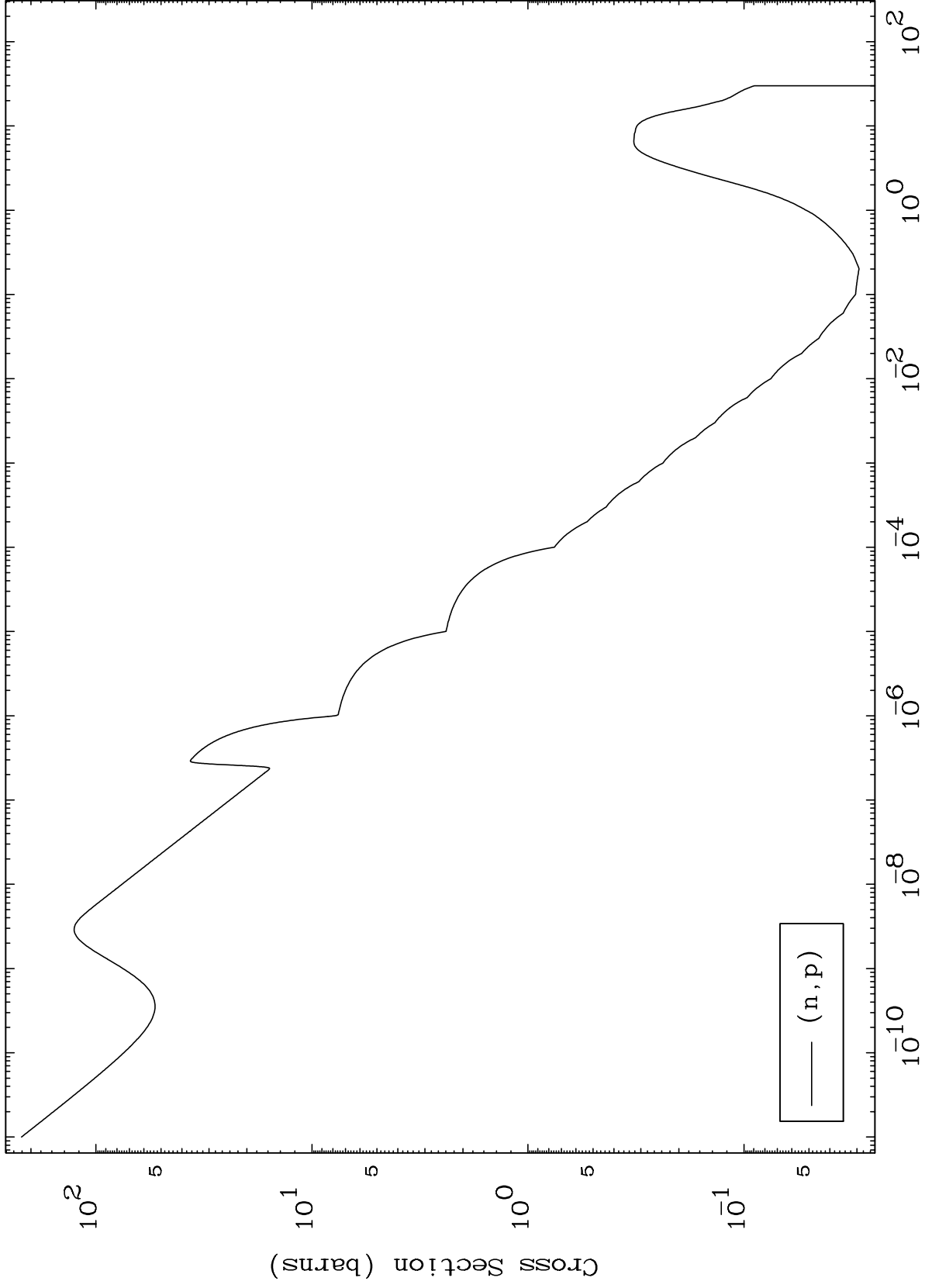
Incident Energy (MeV)

81-Tl-186m

MAT 8075

(n,p) Levels  
293 Kelvin Cross Sections

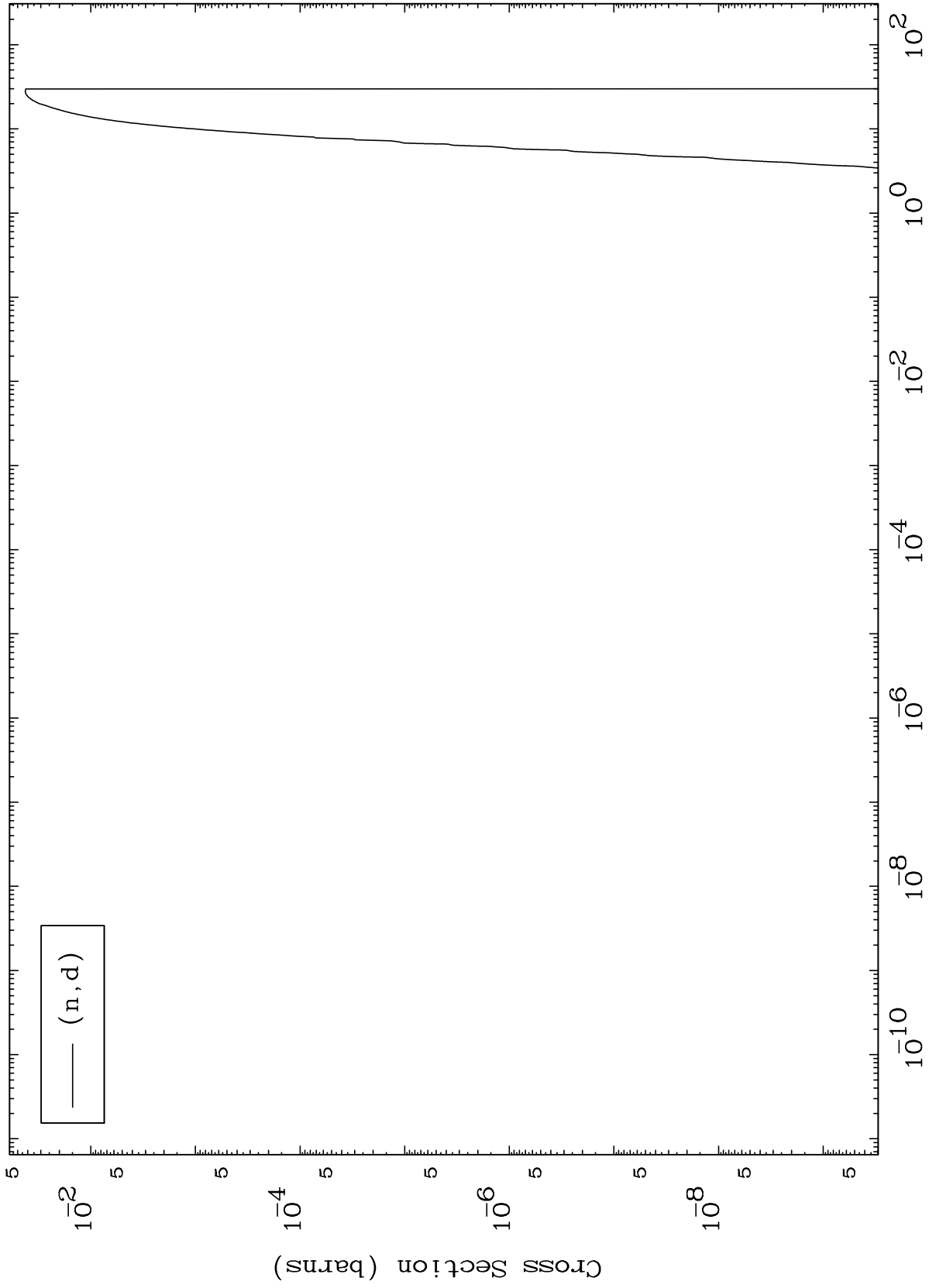
81-Tl-186m



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(n,d) Levels  
293 Kelvin Cross Sections

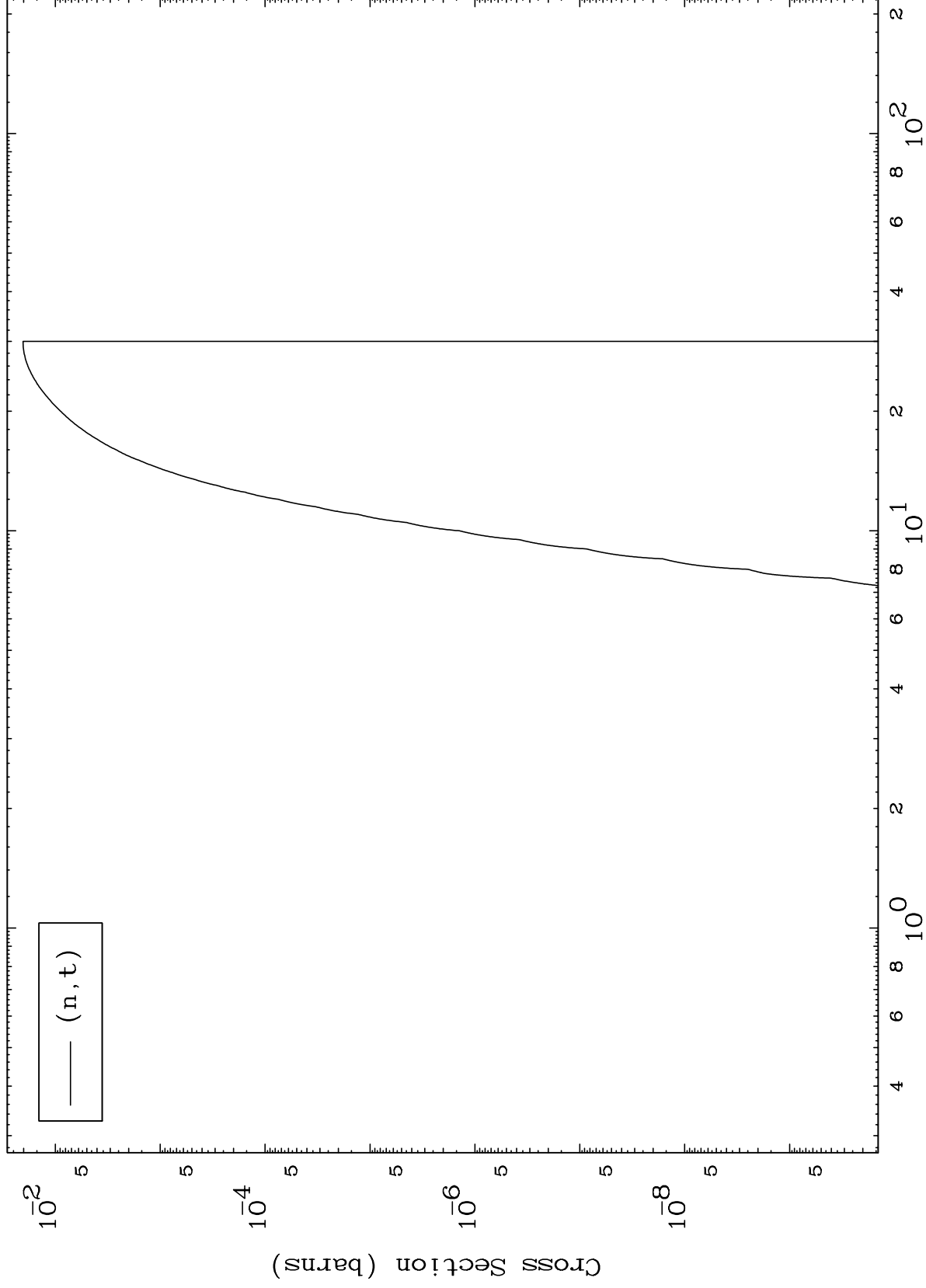
81-Tl-186m



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(n,t) Levels  
293 Kelvin Cross Sections

81-Tl-186m



13

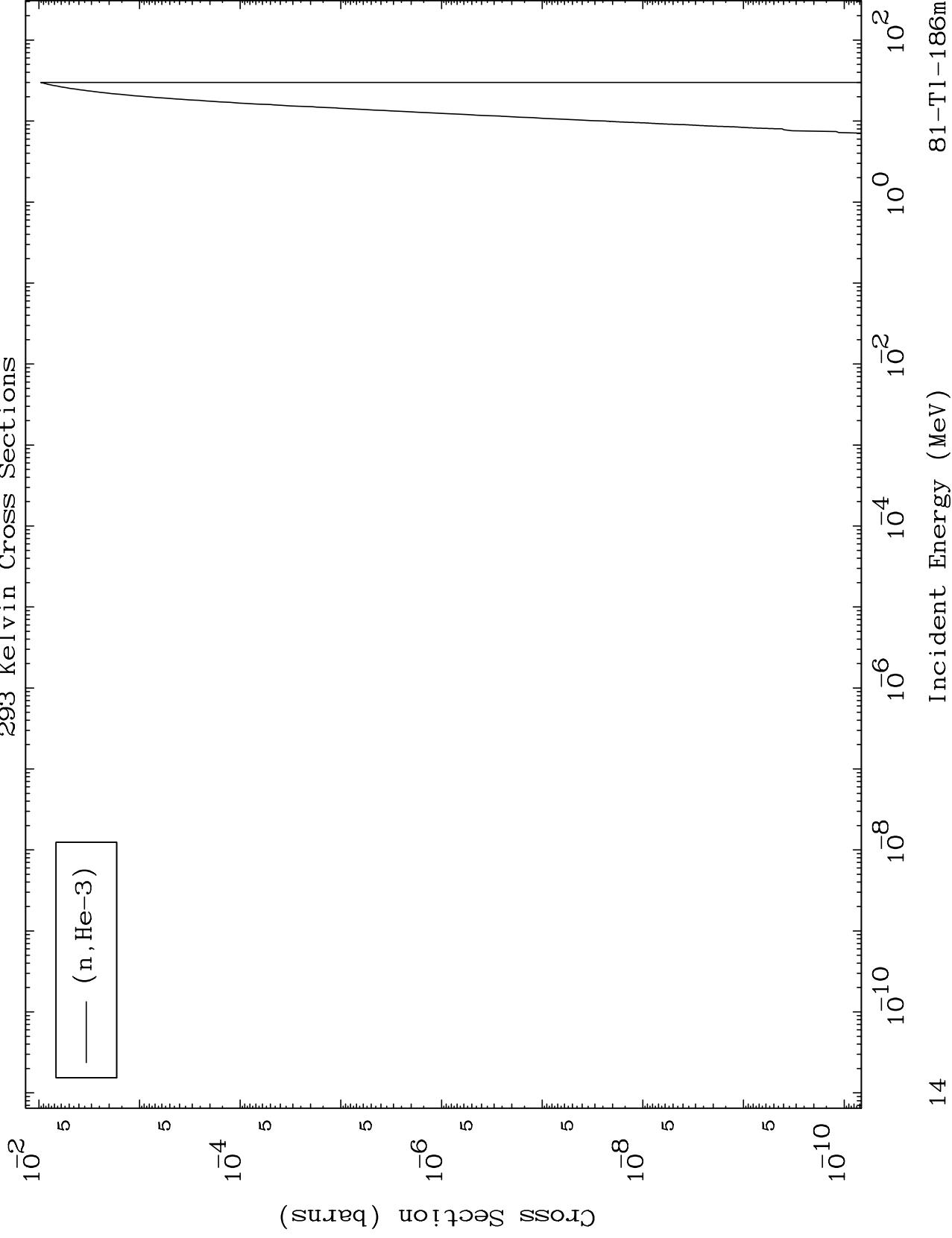
Incident Energy (MeV)

81-Tl-186m

MAT 8075

(n,He3) Levels  
293 Kelvin Cross Sections

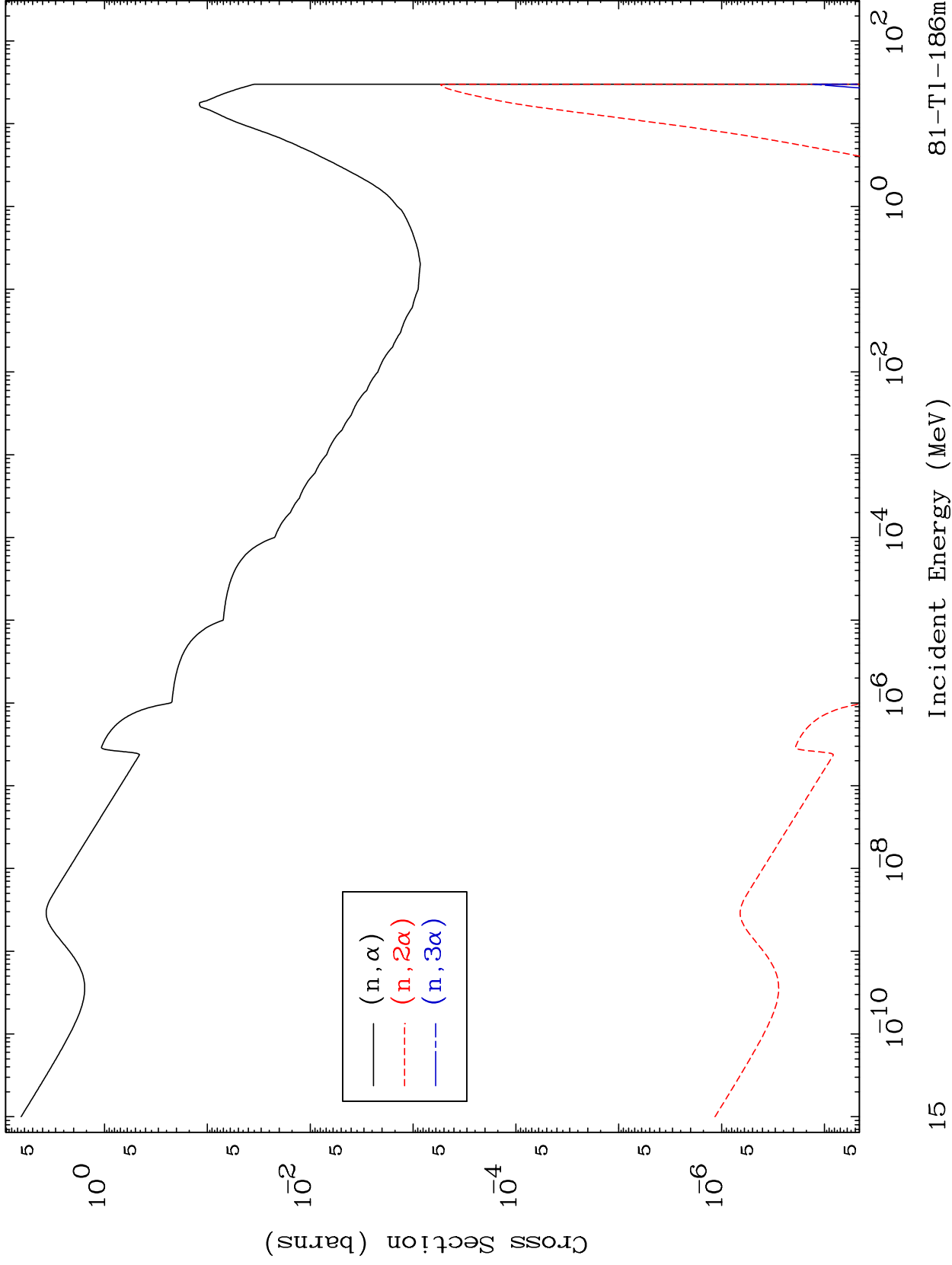
81-Tl-186m



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(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

81-Tl-186m



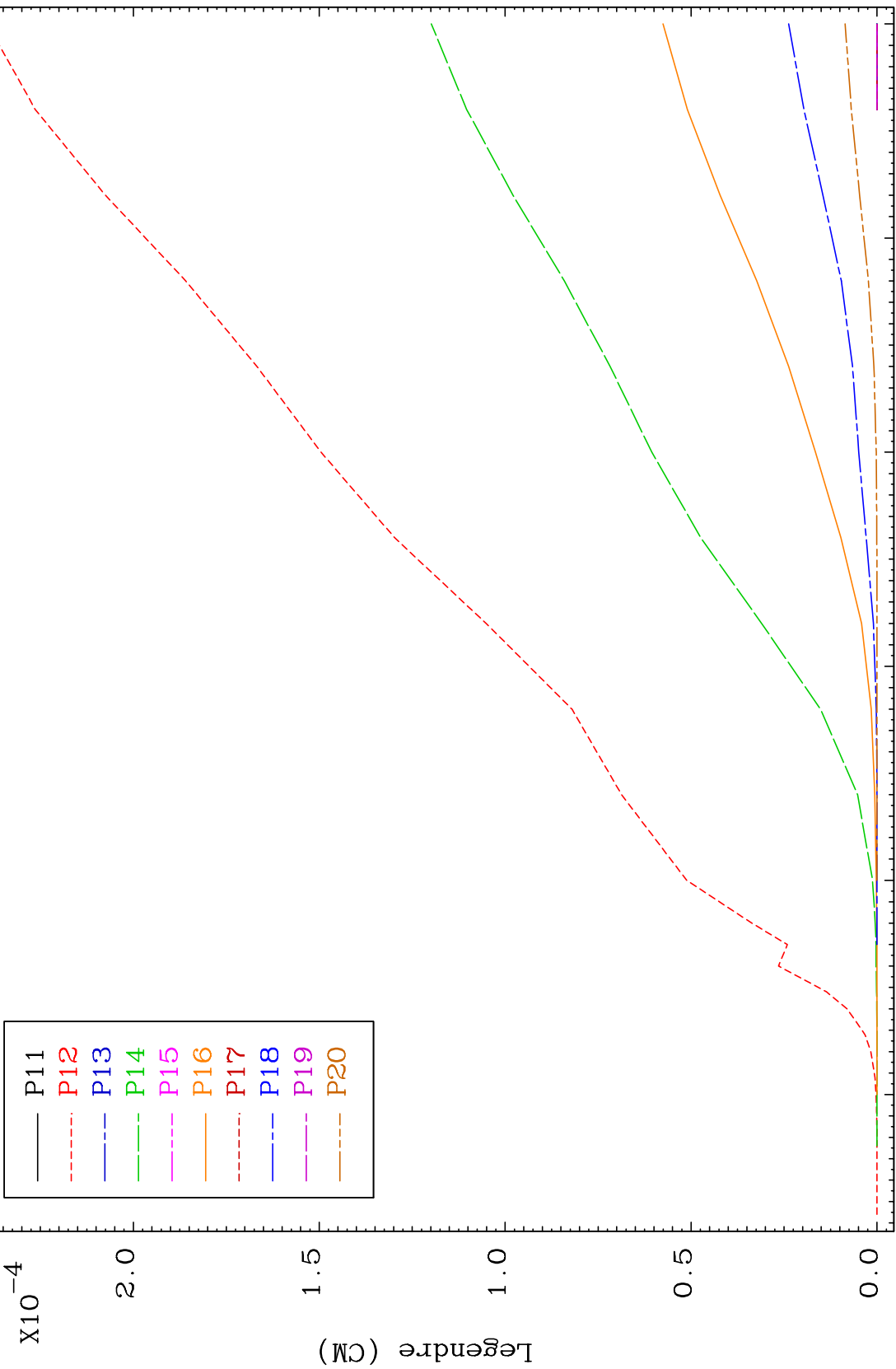
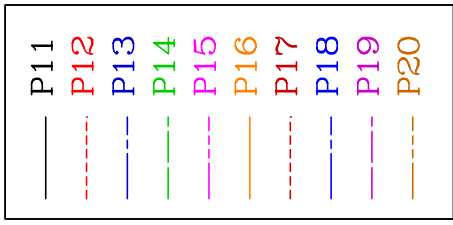




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Elastic Legendre Coefficients

81-Tl-186m



17

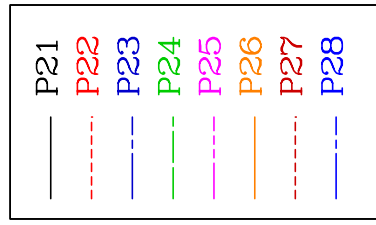
Incident Energy (MeV)

81-Tl-186m

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Elastic  
Legendre Coefficients

81-Tl-186m



$\times 10^{-6}$

Legendre (CM)

0.8

0.6

0.4

0.2

0.0

15

20

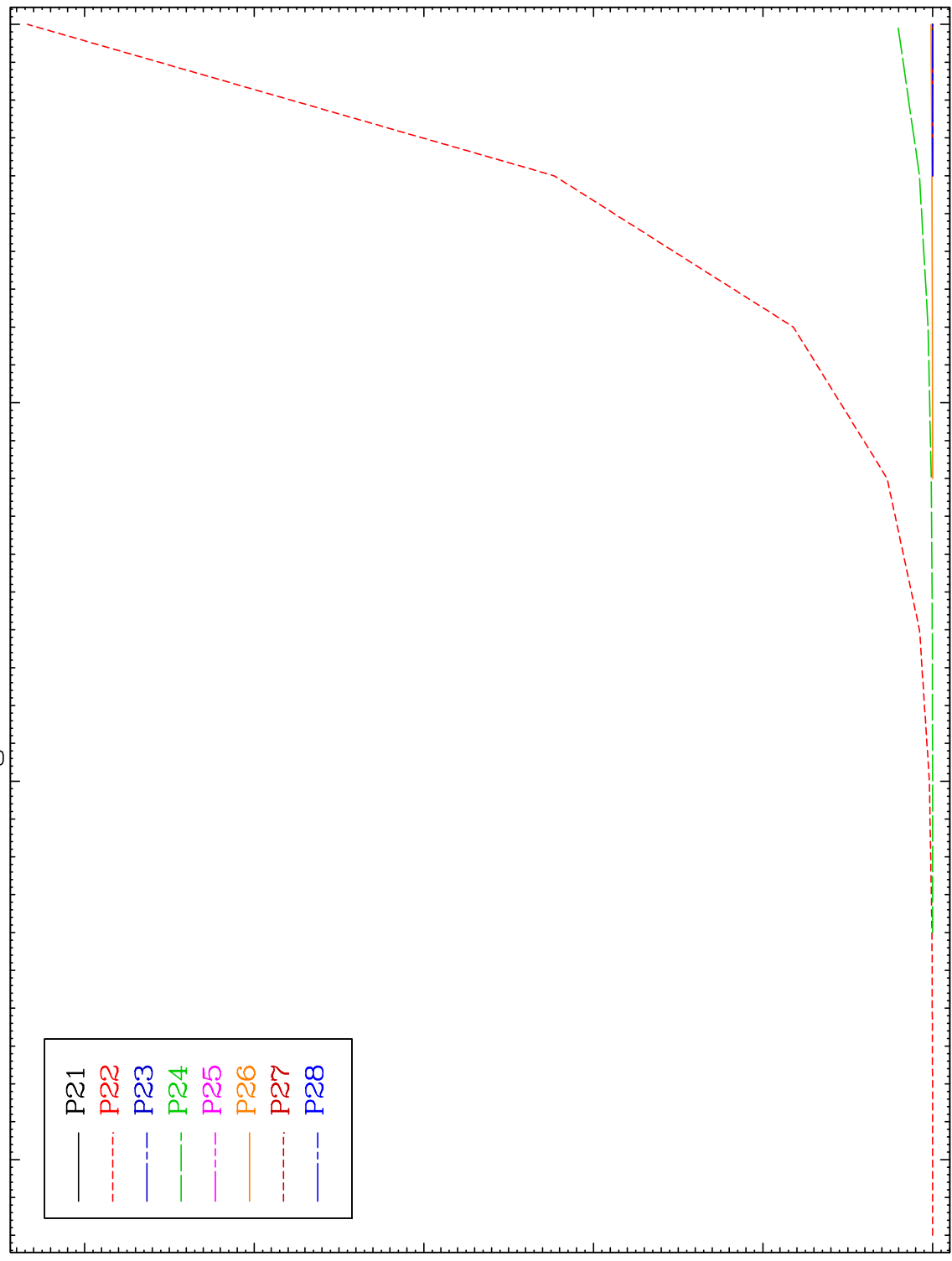
25

30

18

Incident Energy (MeV)

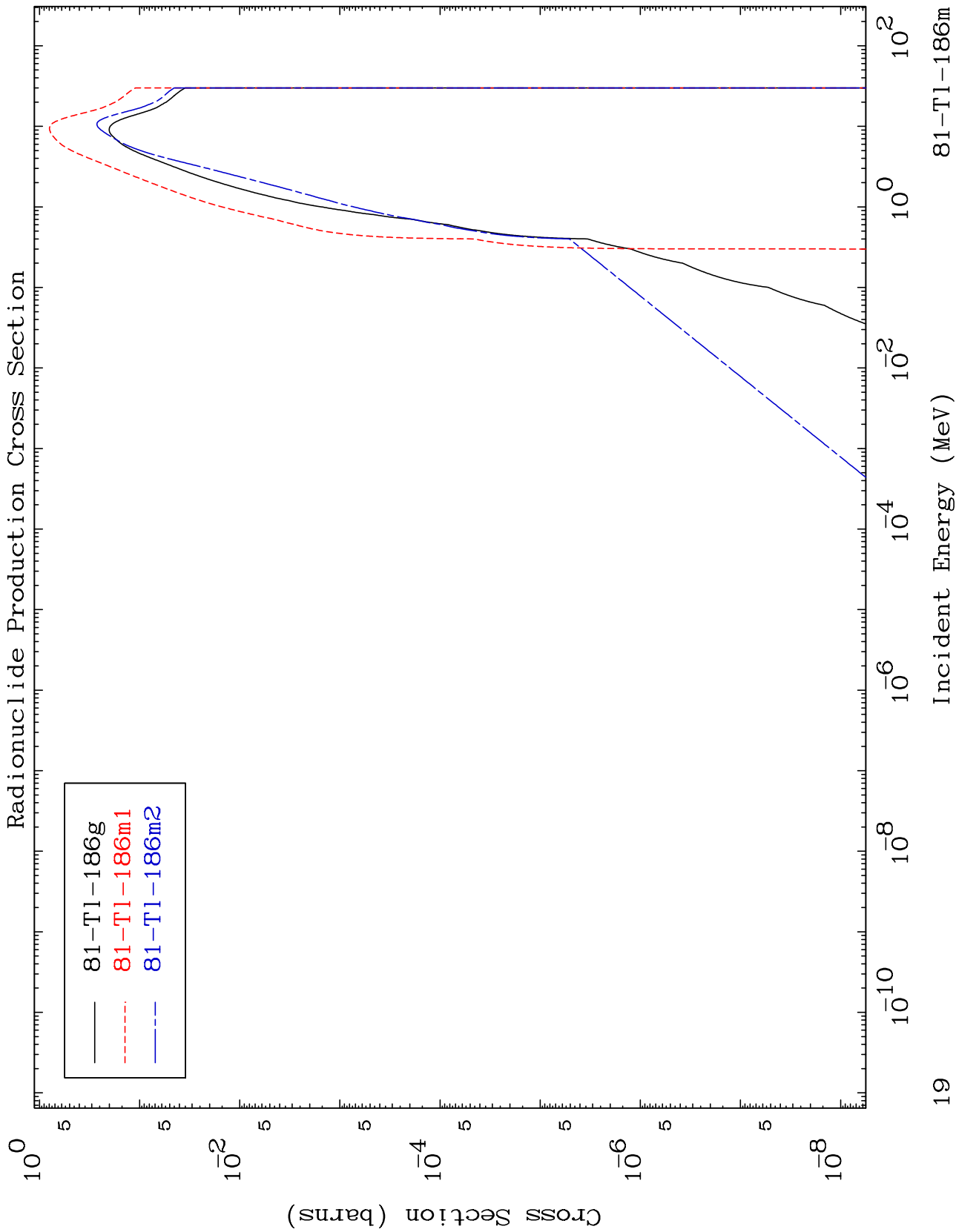
81-Tl-186m



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Inelastic  
Radionuclide Production Cross Section

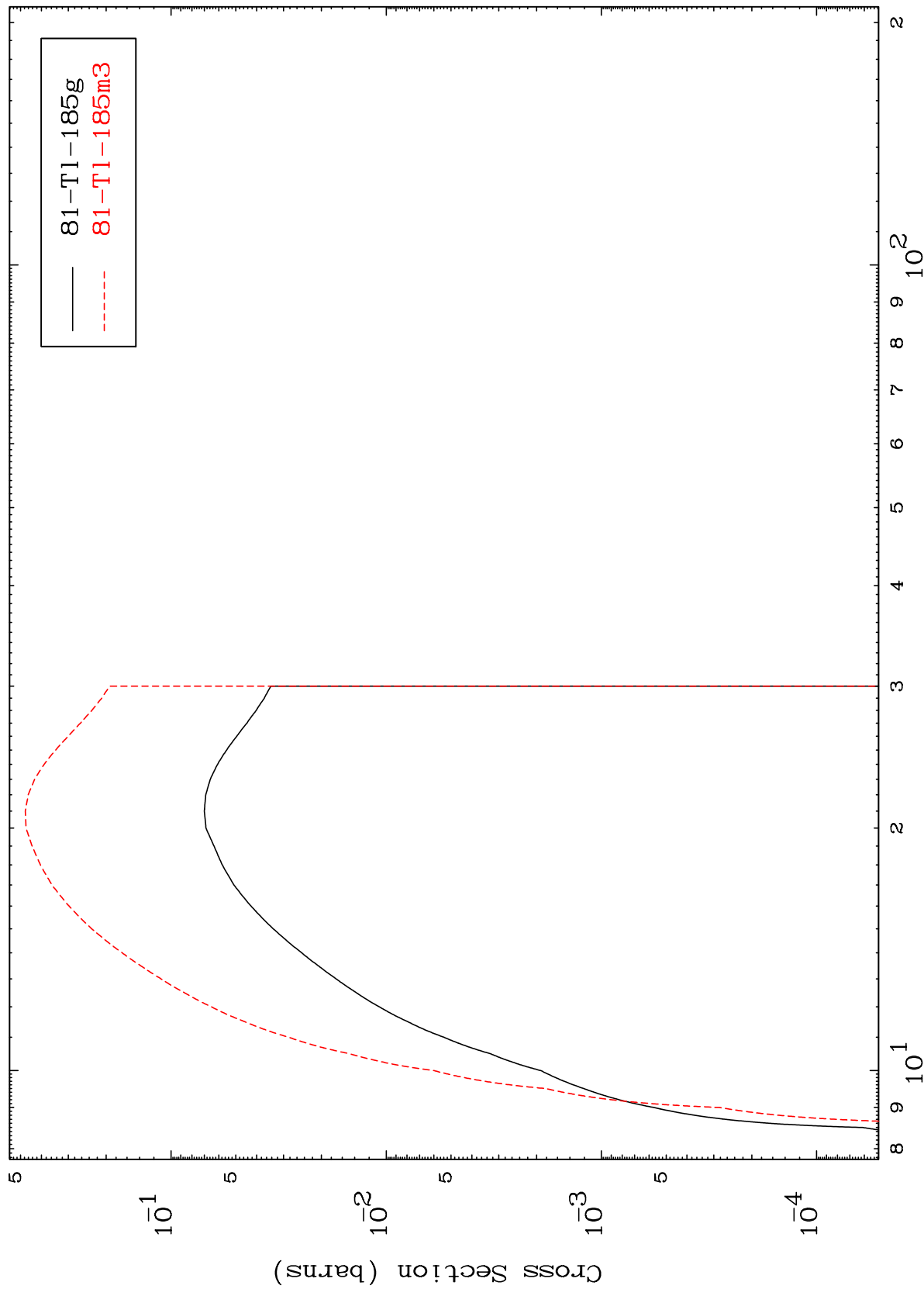
81-Tl-186m



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81-Tl-186m

(n,2n)  
Radionuclide Production Cross Section



81-Tl-186m

Incident Energy (MeV)

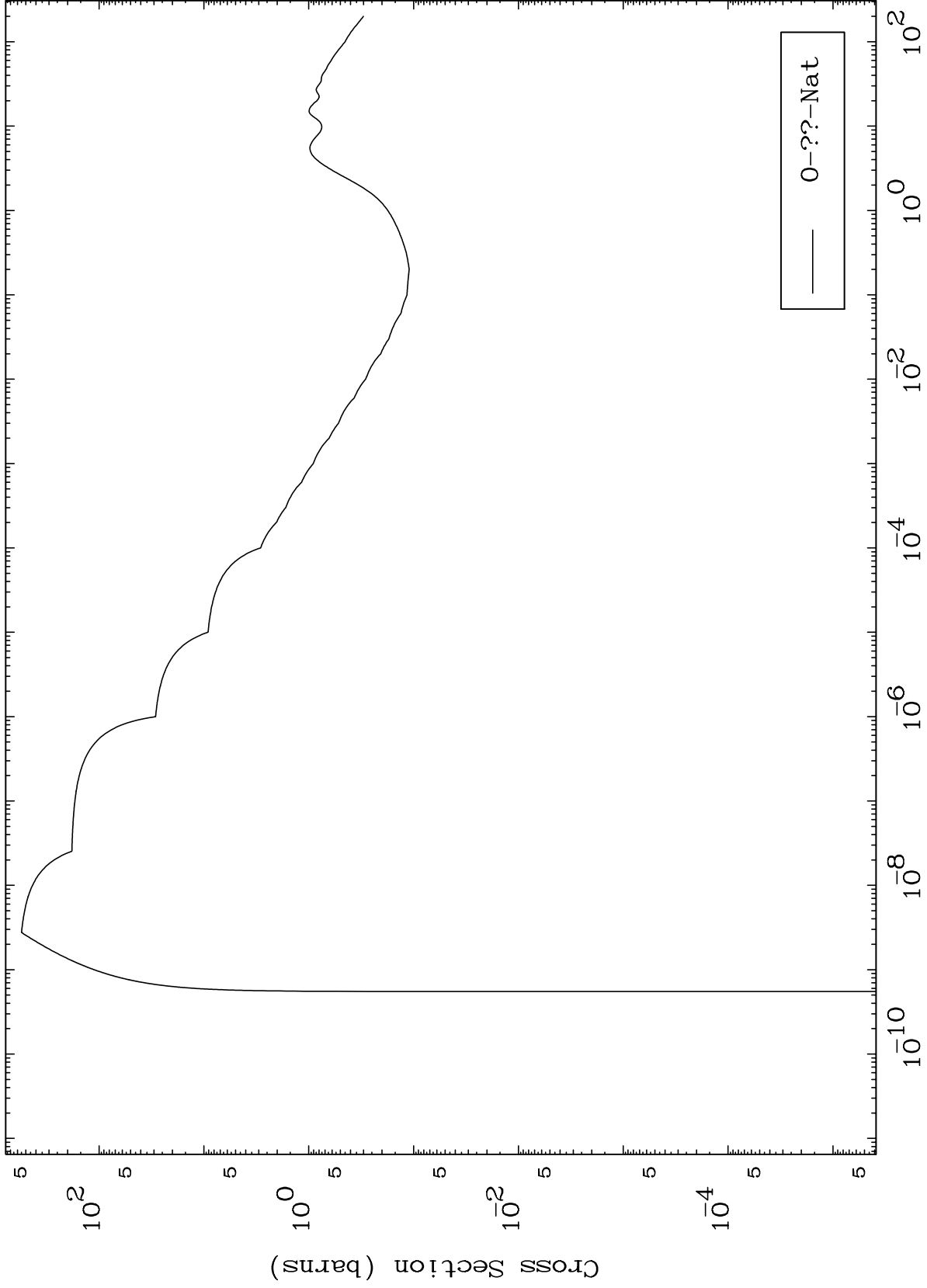
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Fission

81-Tl-186m

Radionuclide Production Cross Section

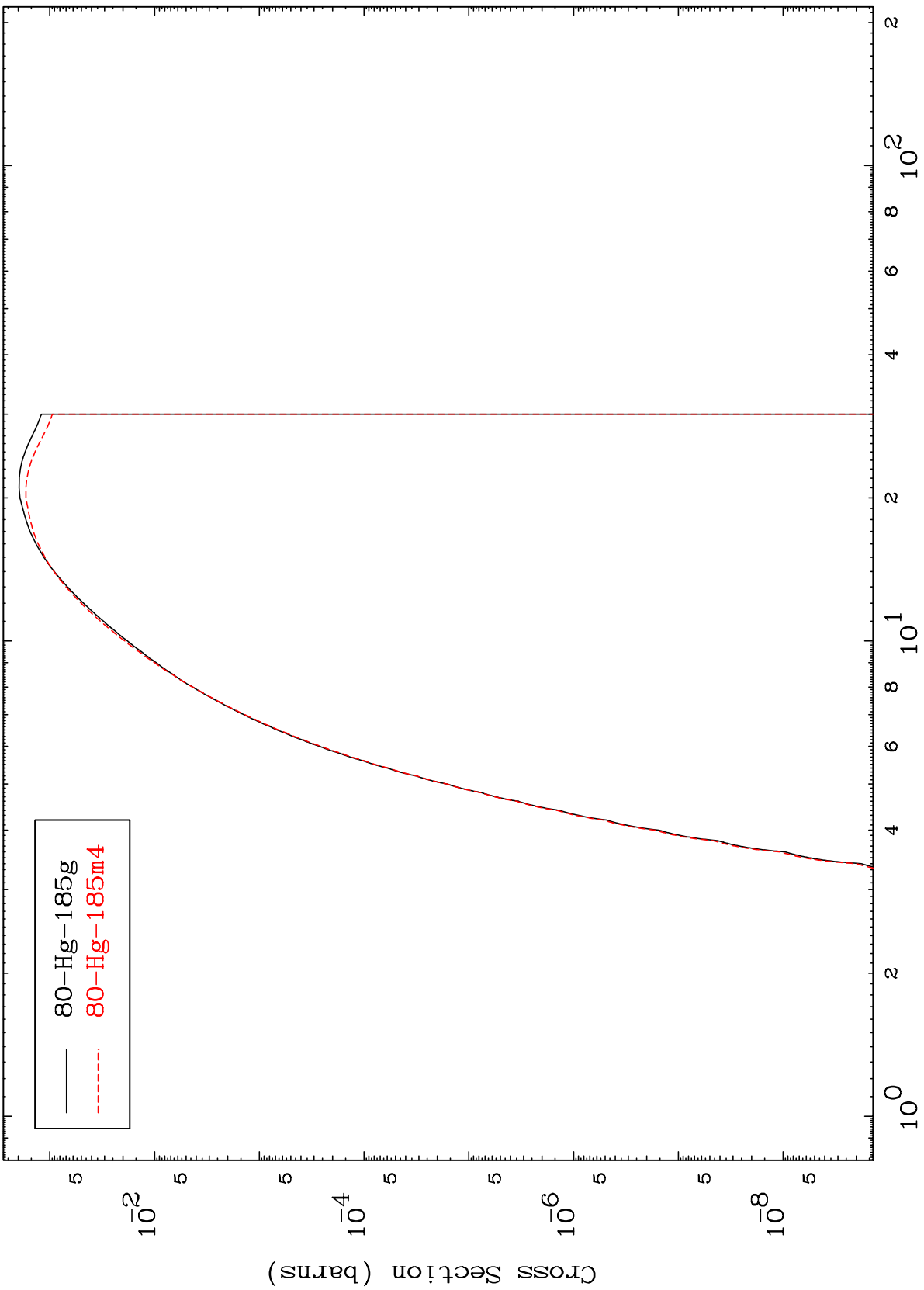


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(n,n') p

81-Tl-186m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

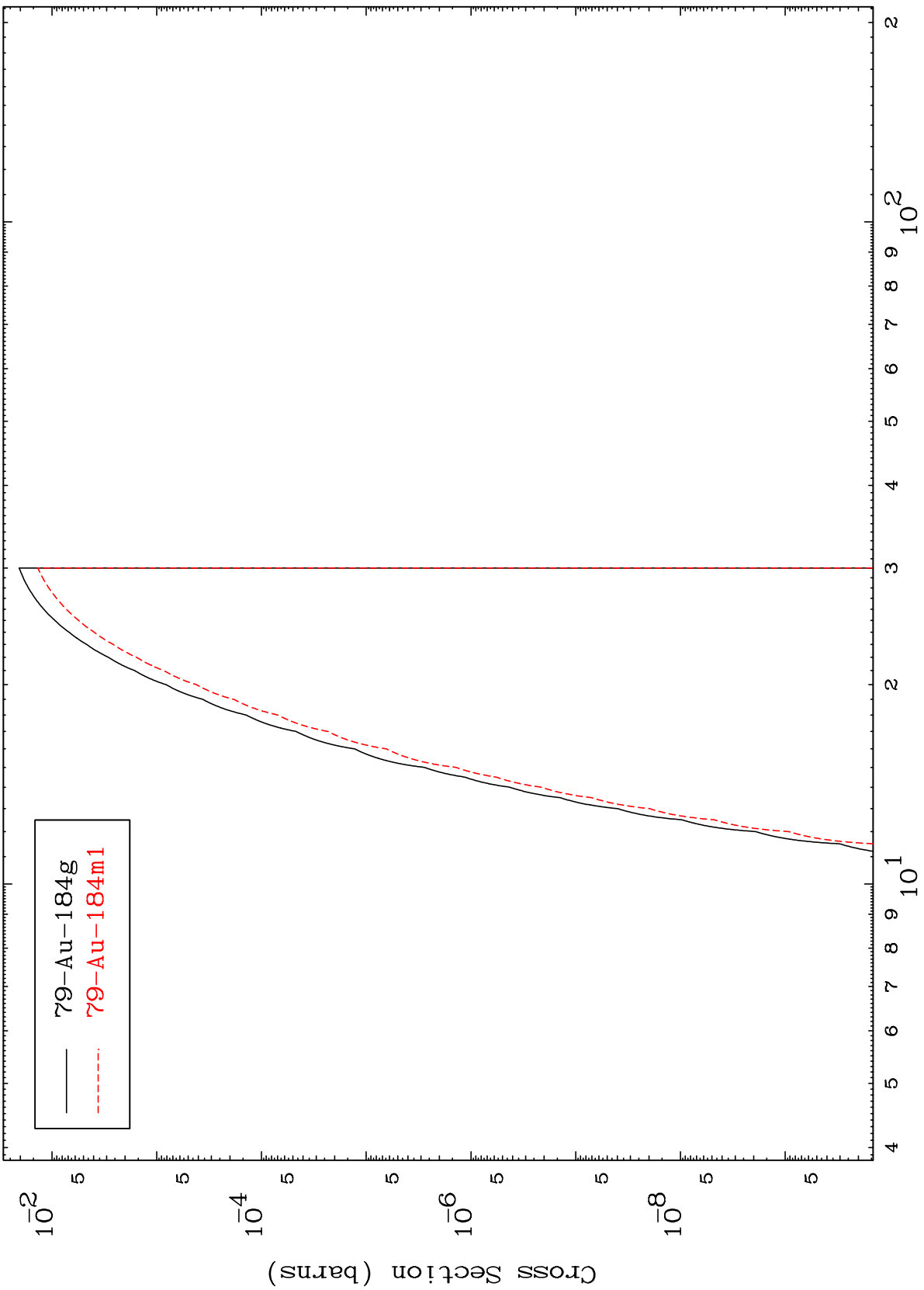
81-Tl-186m

MAT 8075

(n,2n) p

81-Tl-186m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

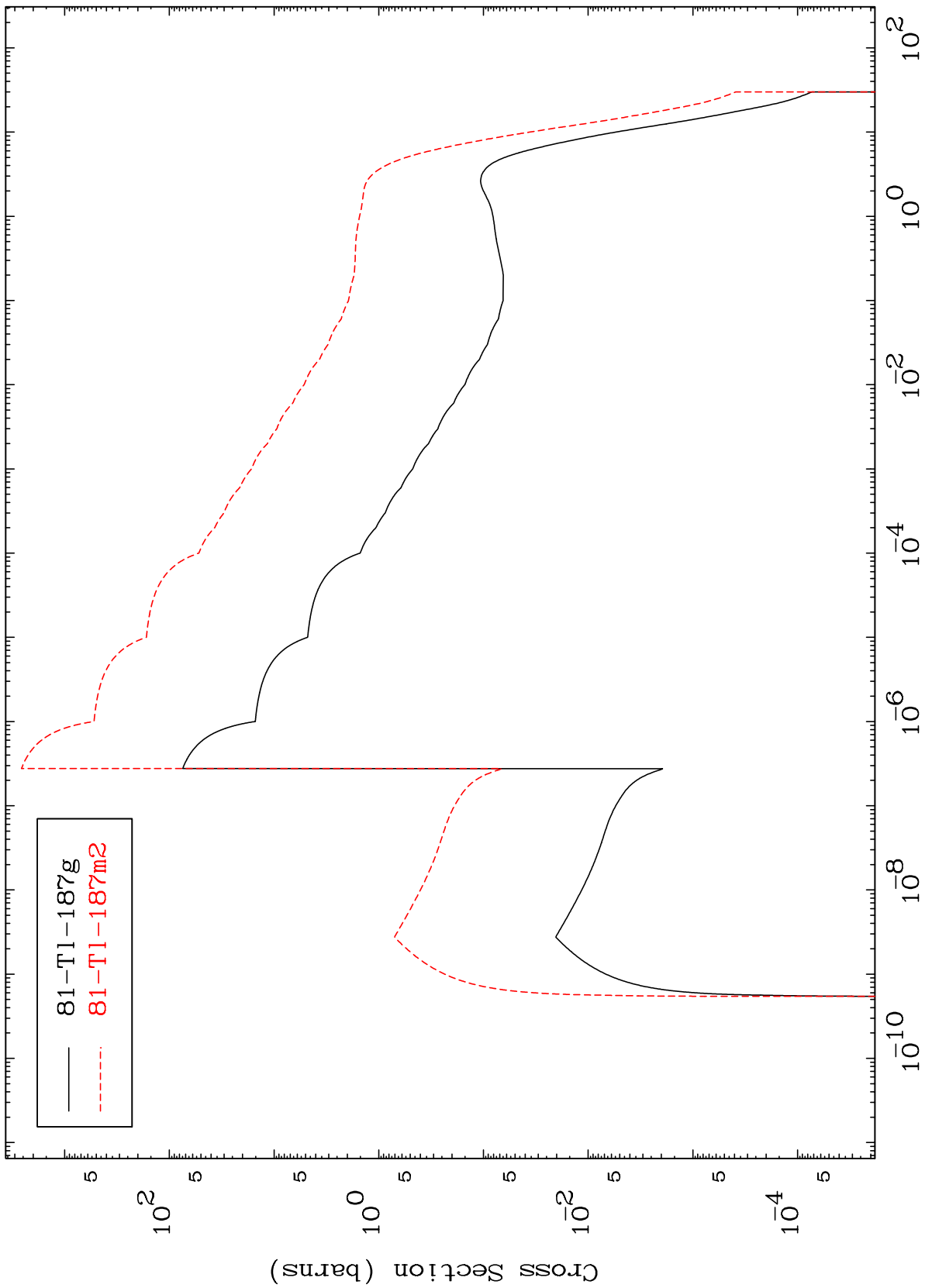
81-Tl-186m



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81-Tl-186m

Radionuclide Production Cross Section



81-Tl-187g  
81-Tl-187m2

Incident Energy (MeV)

81-Tl-186m

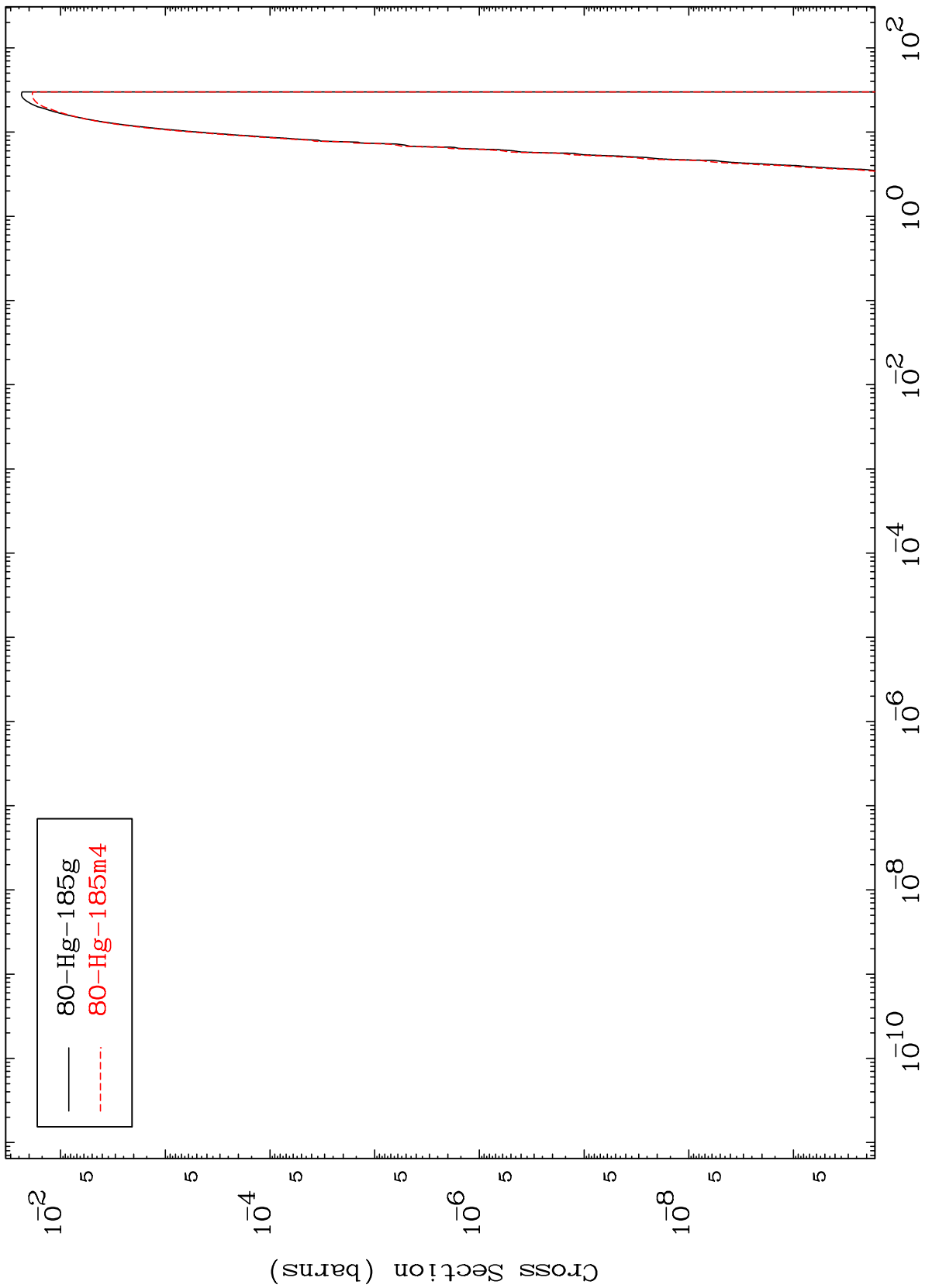
24

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(n,d)

81-Tl-186m

Radionuclide Production Cross Section

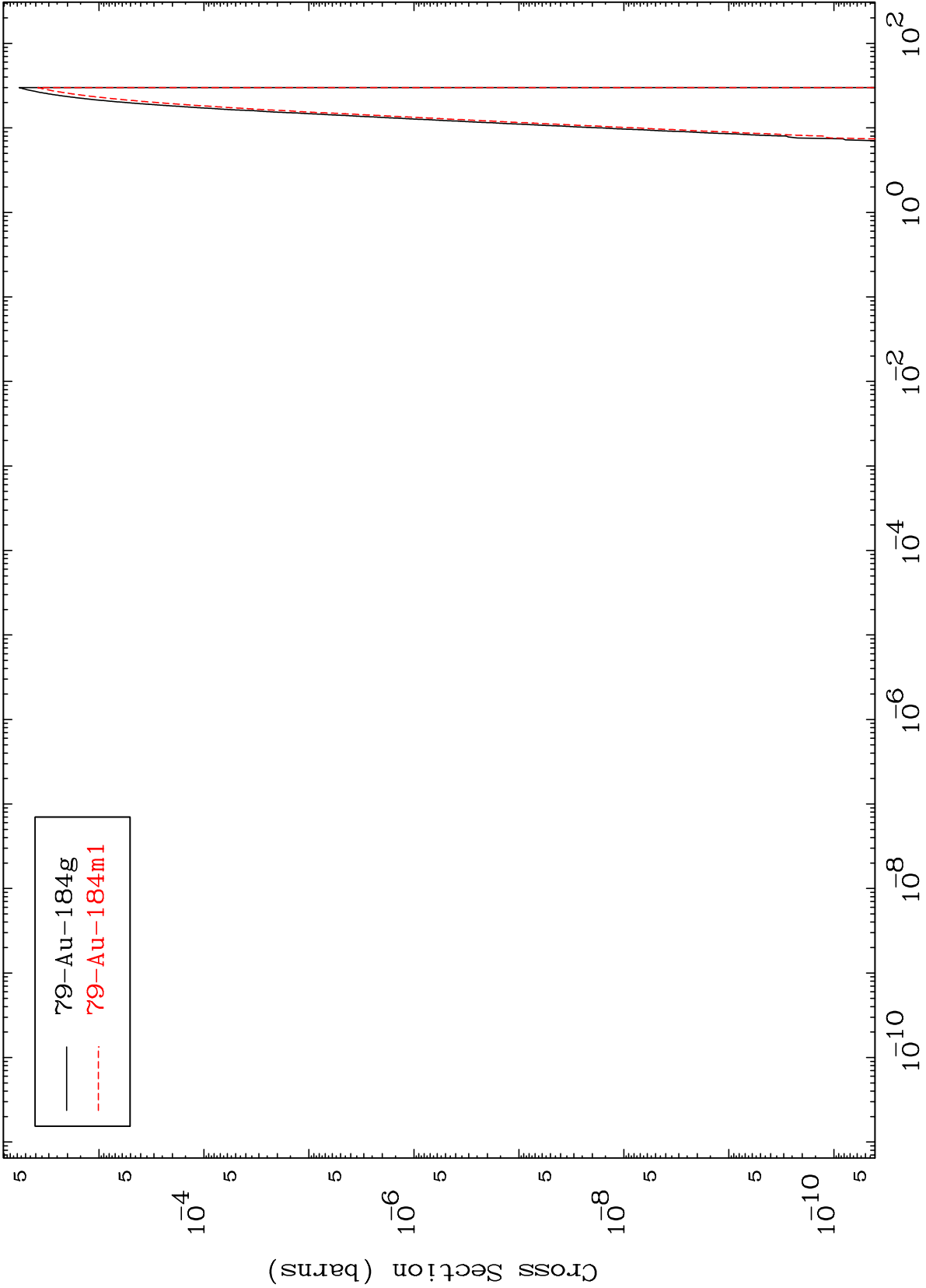


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(n,He-3)

81-Tl-186m

Radionuclide Production Cross Section

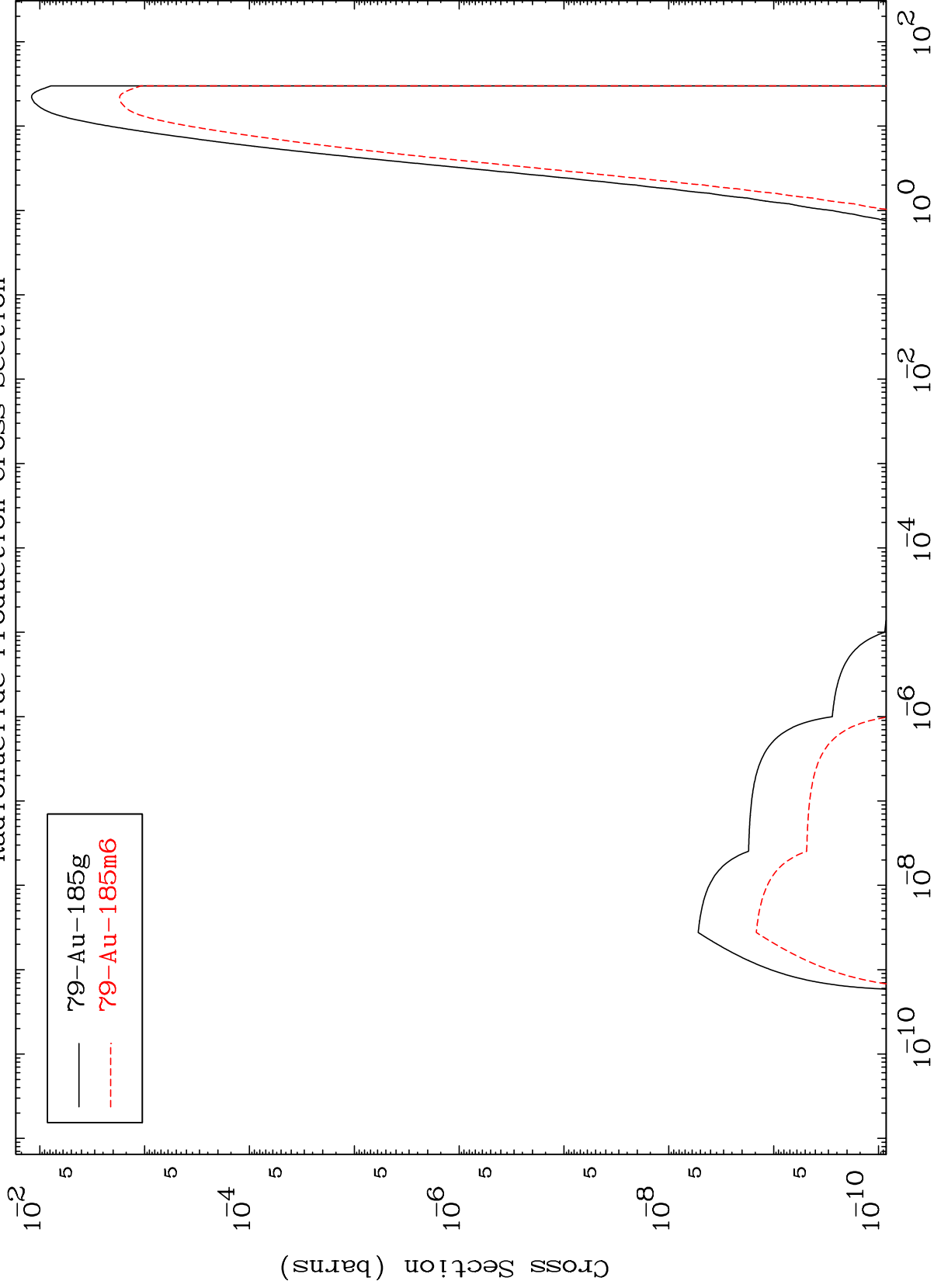


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(n,2p)

81-Tl-186m

Radionuclide Production Cross Section



Incident Energy (MeV)

81-Tl-186m

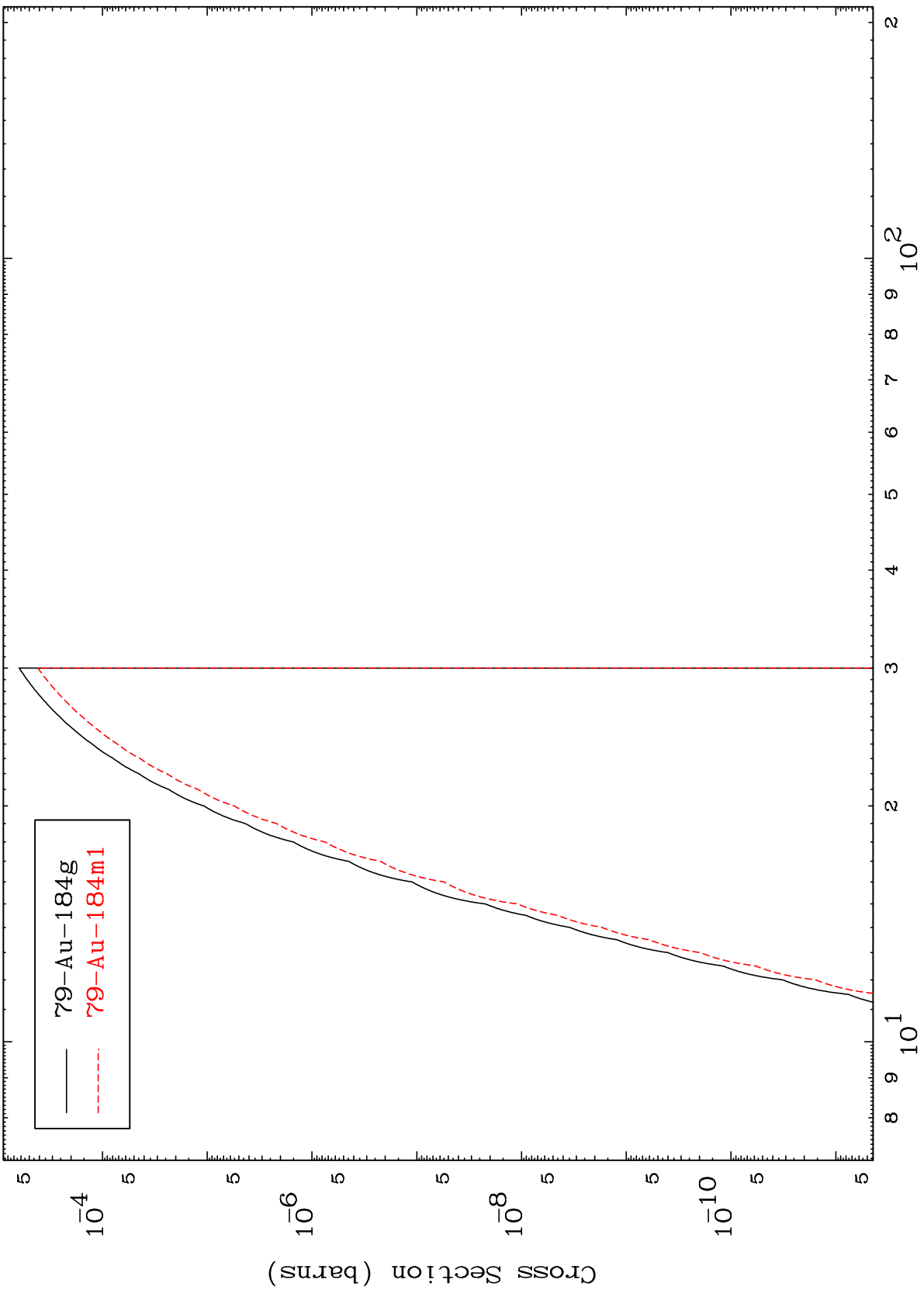
27

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(n,p) d

81-Tl-186m

Radionuclide Production Cross Section



28

Incident Energy (MeV)

81-Tl-186m