

Program EVALPLOT
(Version 2021-1)

by

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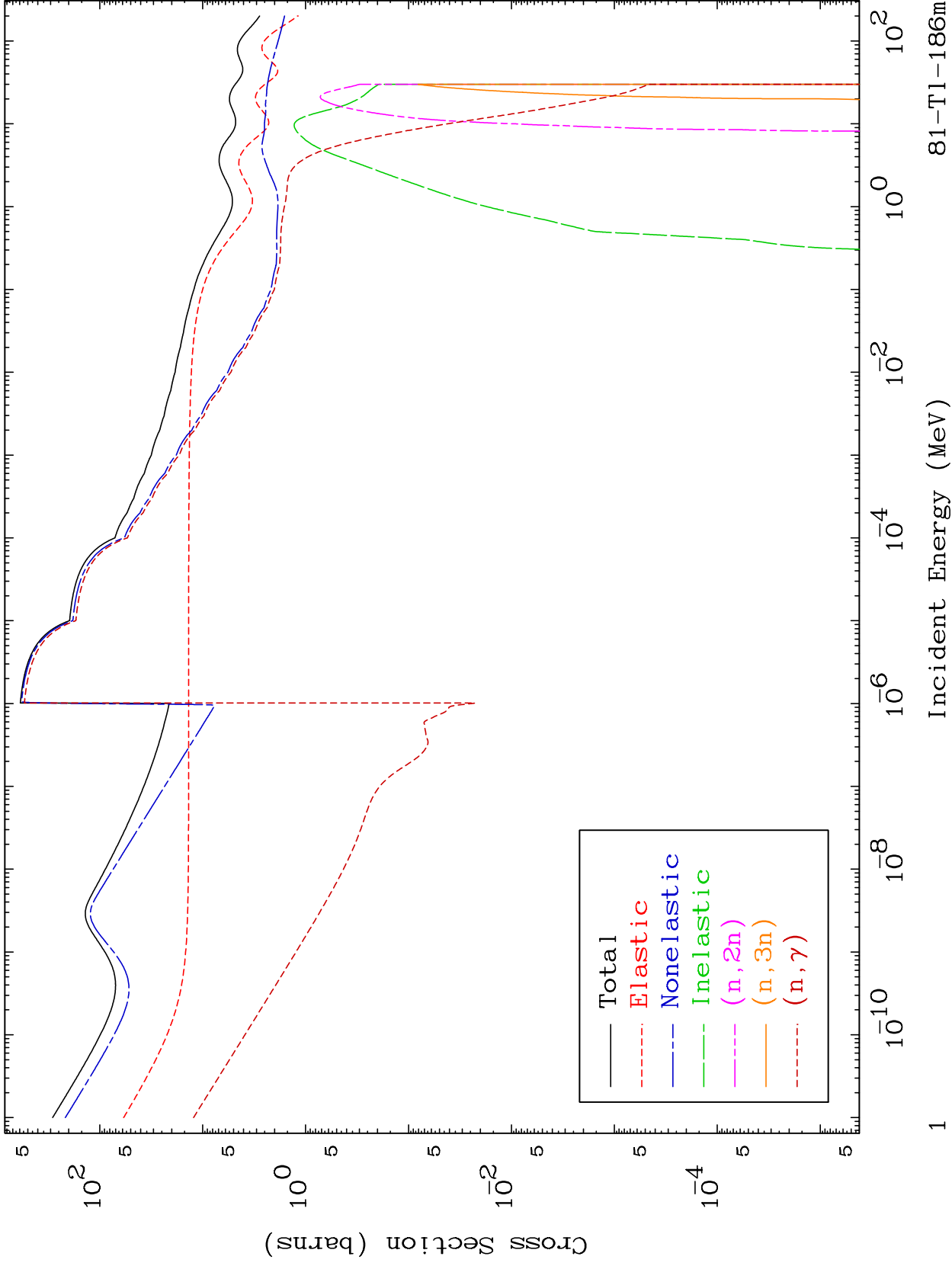
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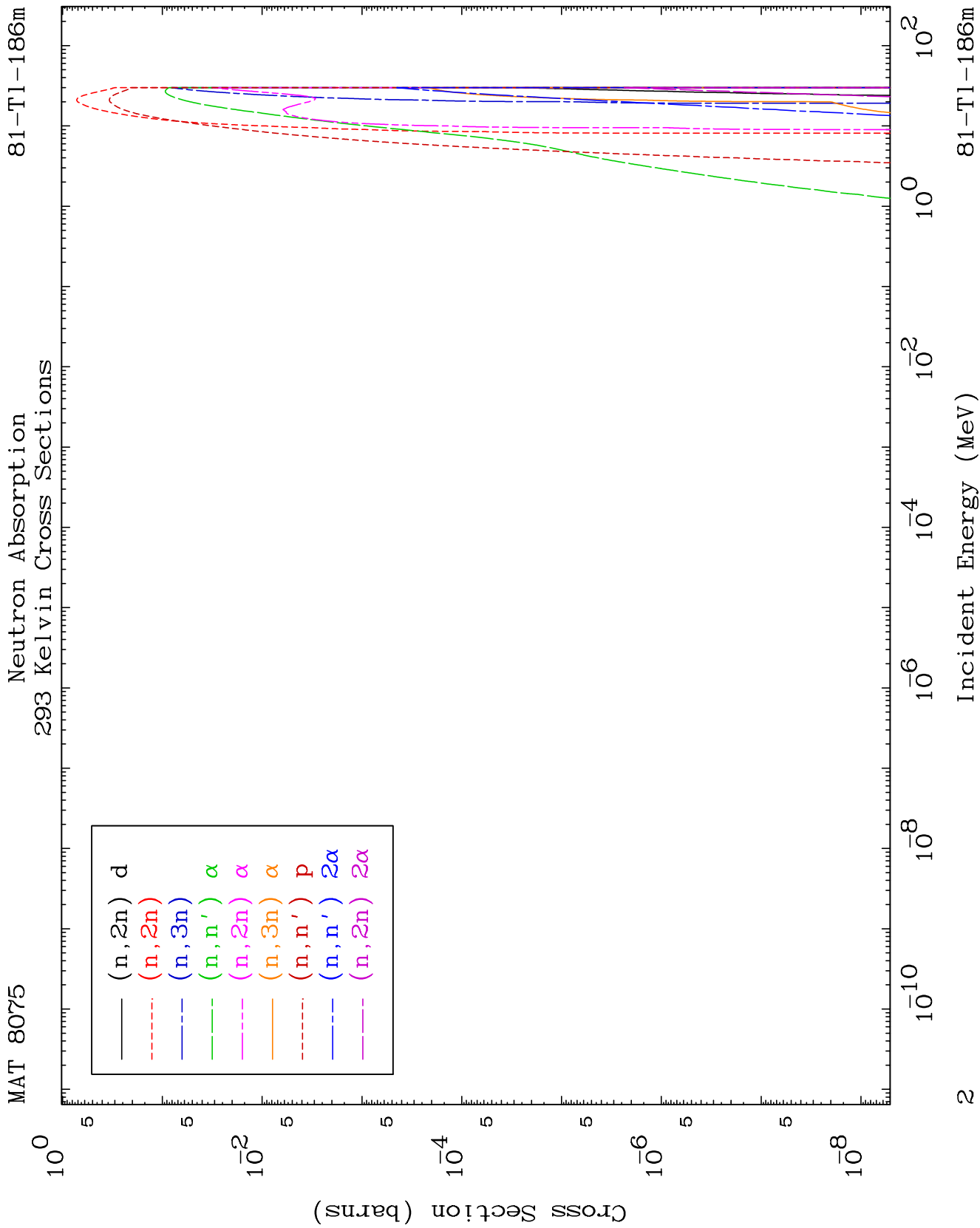
Press Mouse Button to Start

MAT 8075

Neutron Major
293 Kelvin Cross Sections

81-Tl-186m

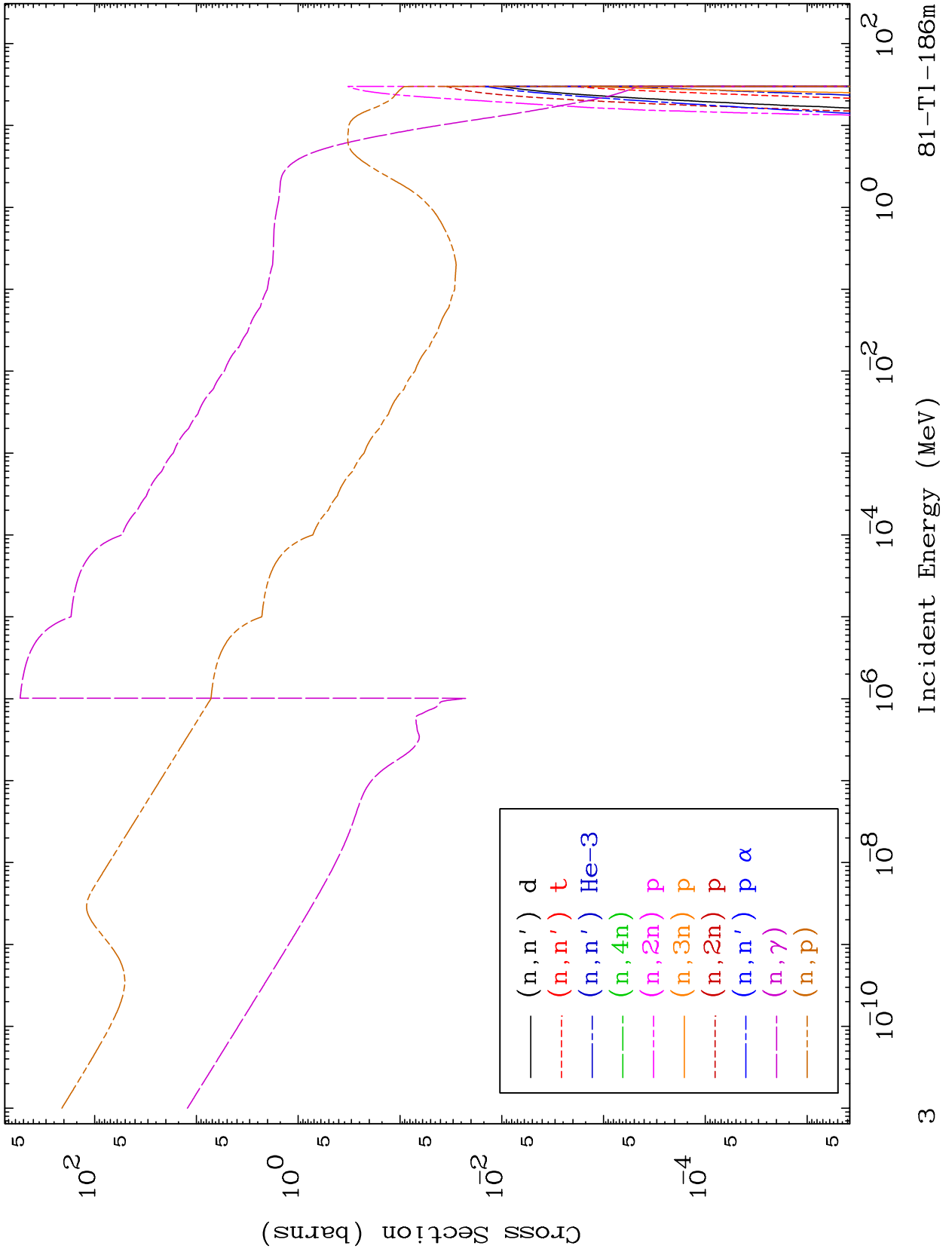




MAT 8075

Neutron Absorption
293 Kelvin Cross Sections

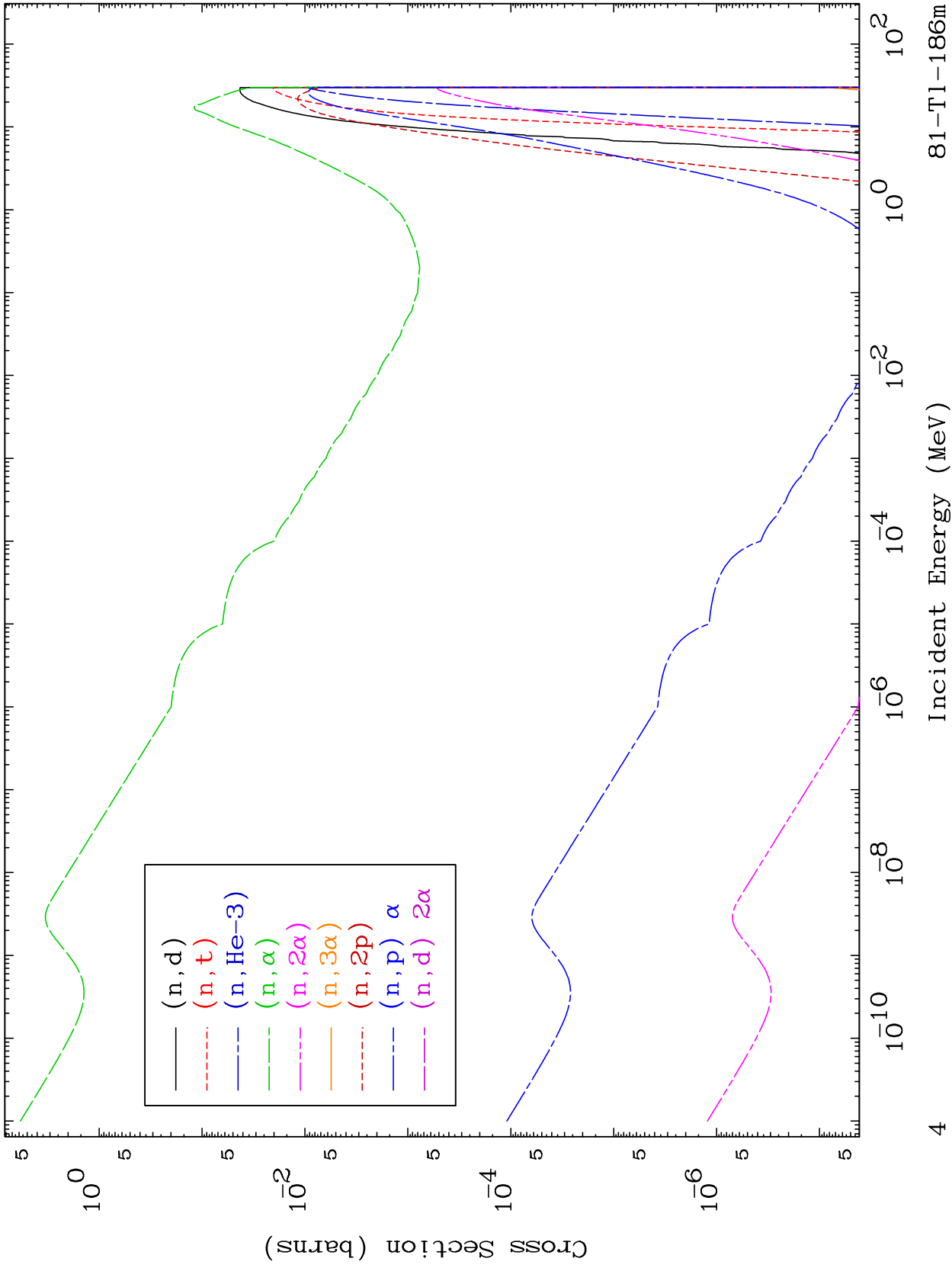
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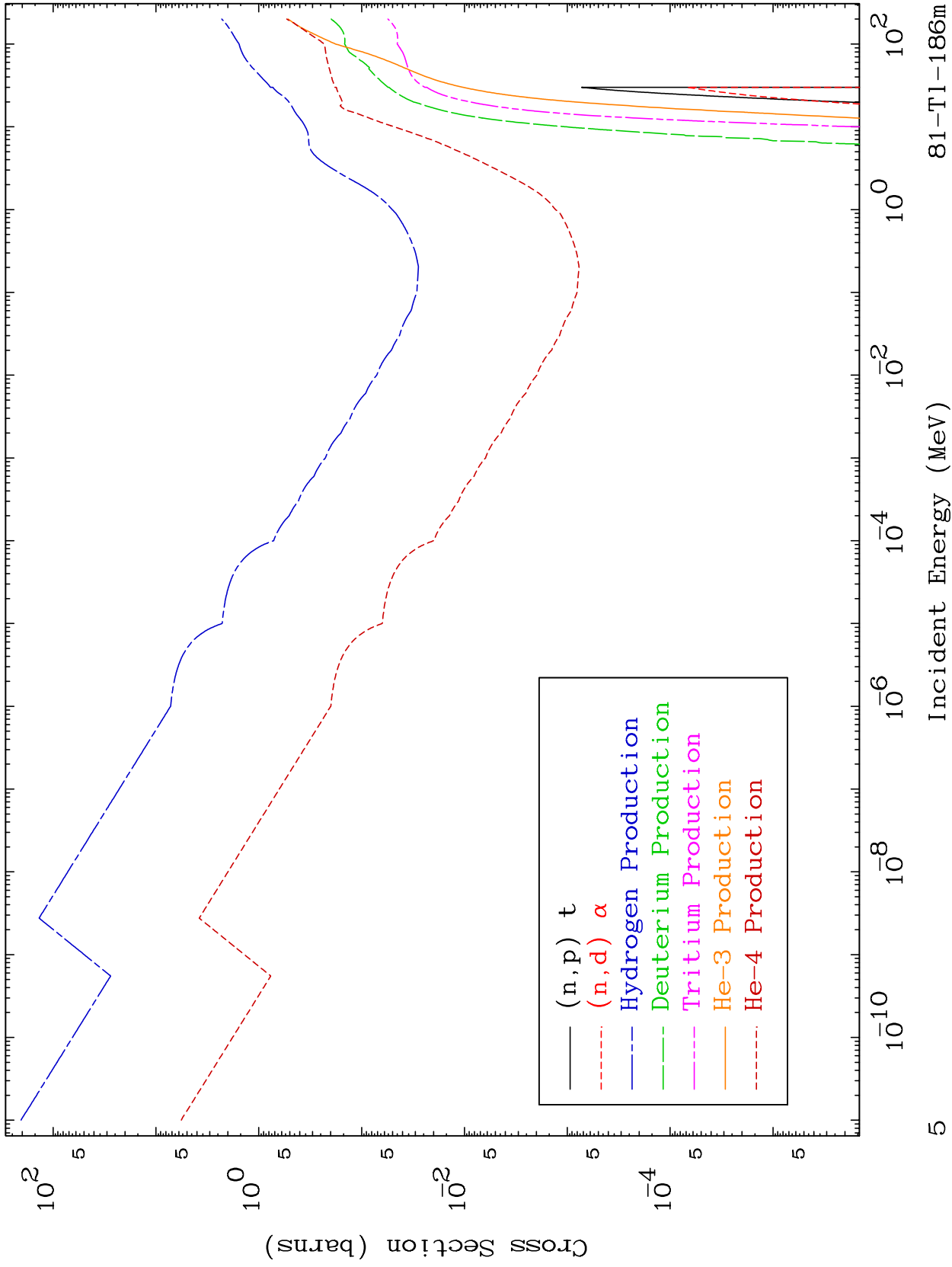


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Neutron Absorption
293 Kelvin Cross Sections

81-TI-186m

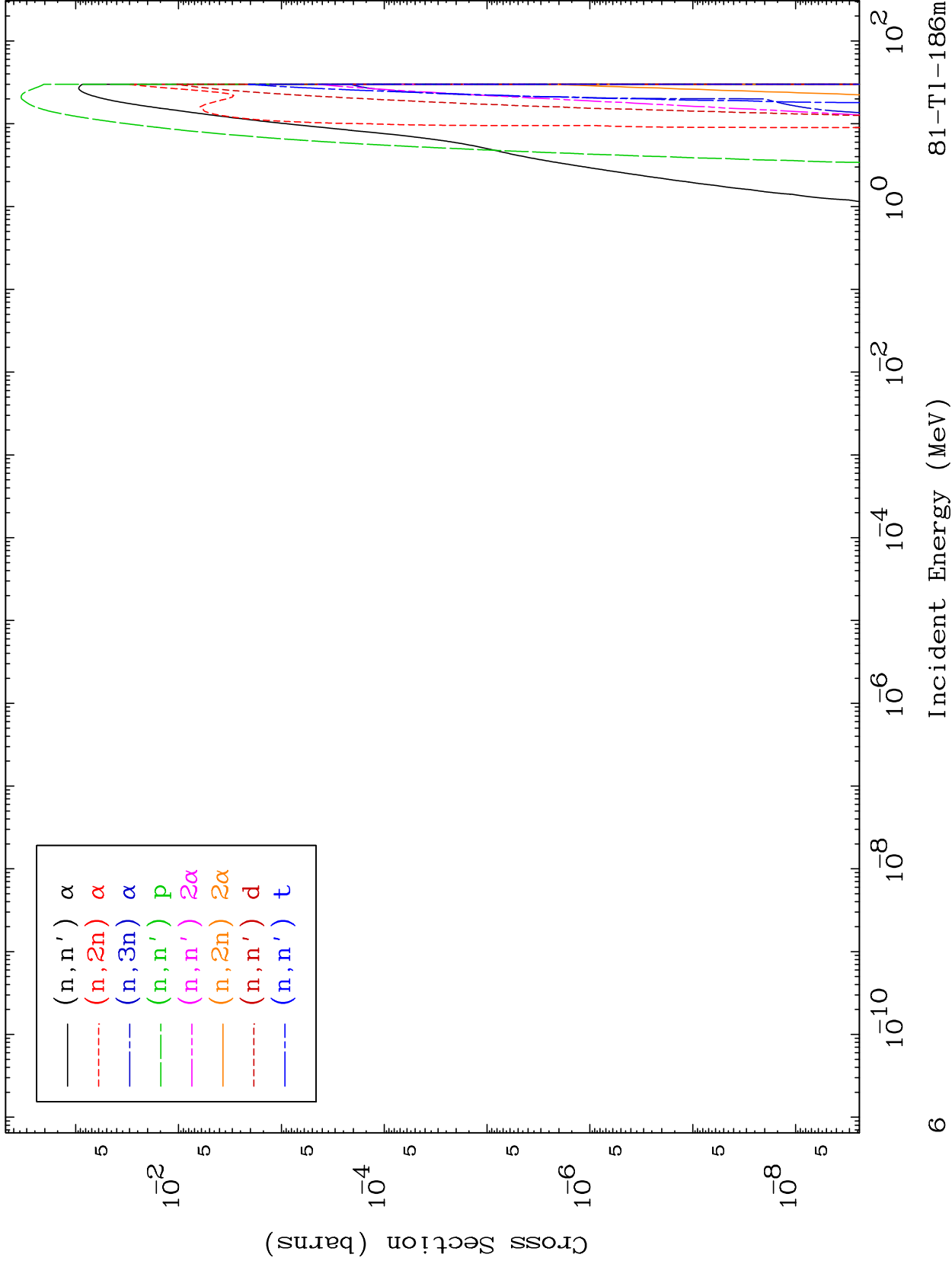




MAT 8075

Charged Particle
293 Kelvin Cross Sections

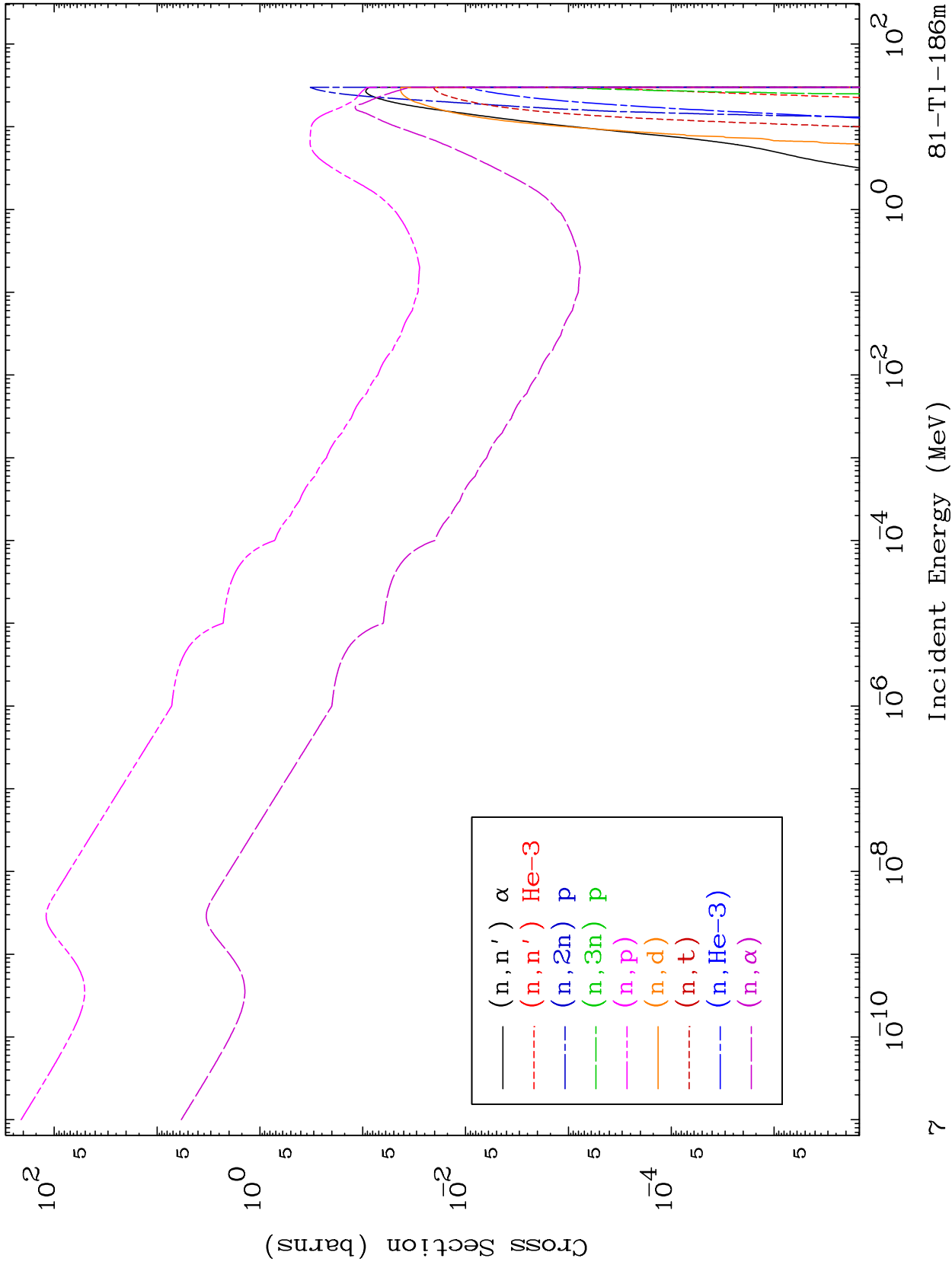
81-Tl-186m



MAT 8075

Charged Particle
293 Kelvin Cross Sections

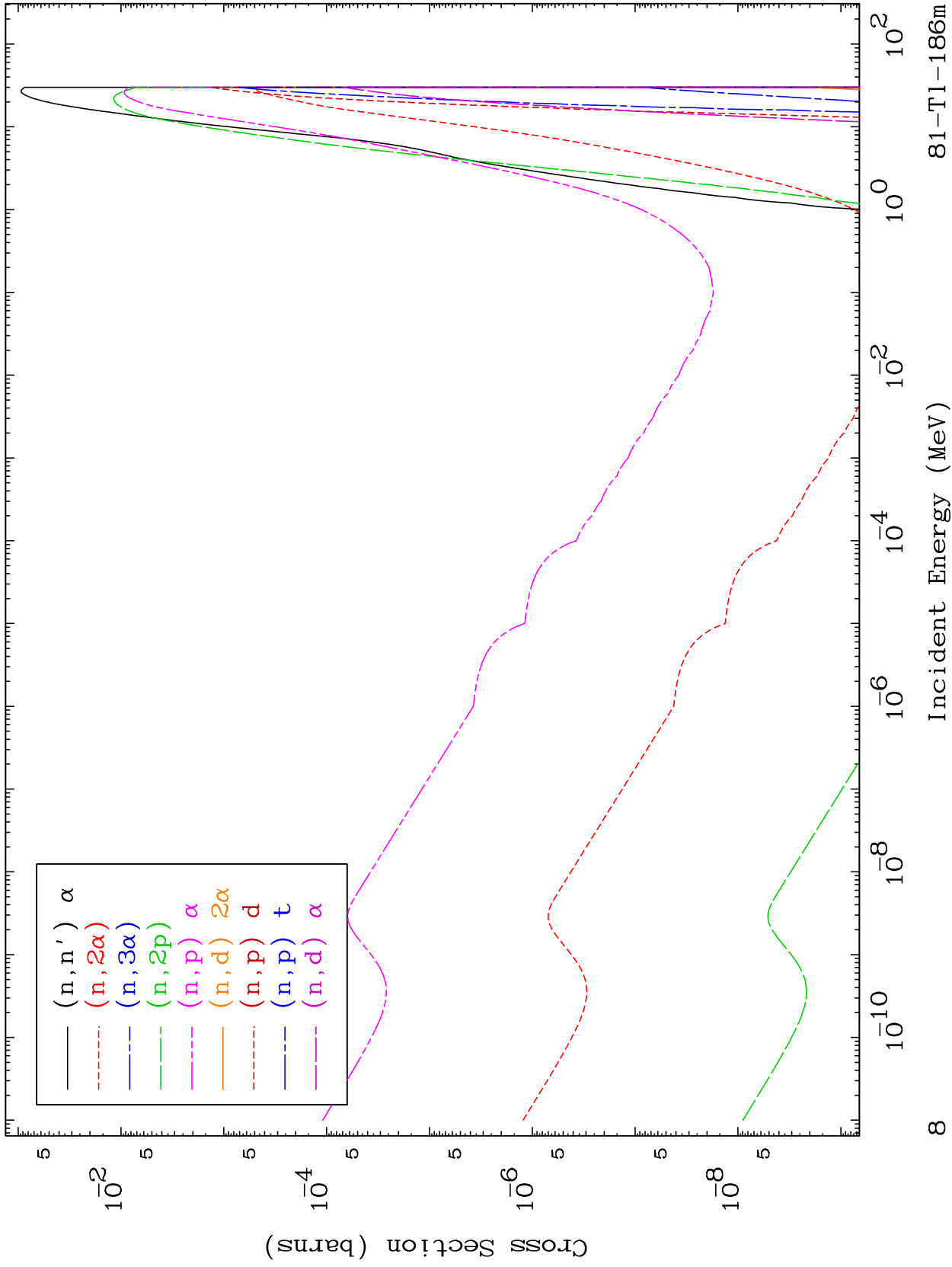
81-Tl-186m

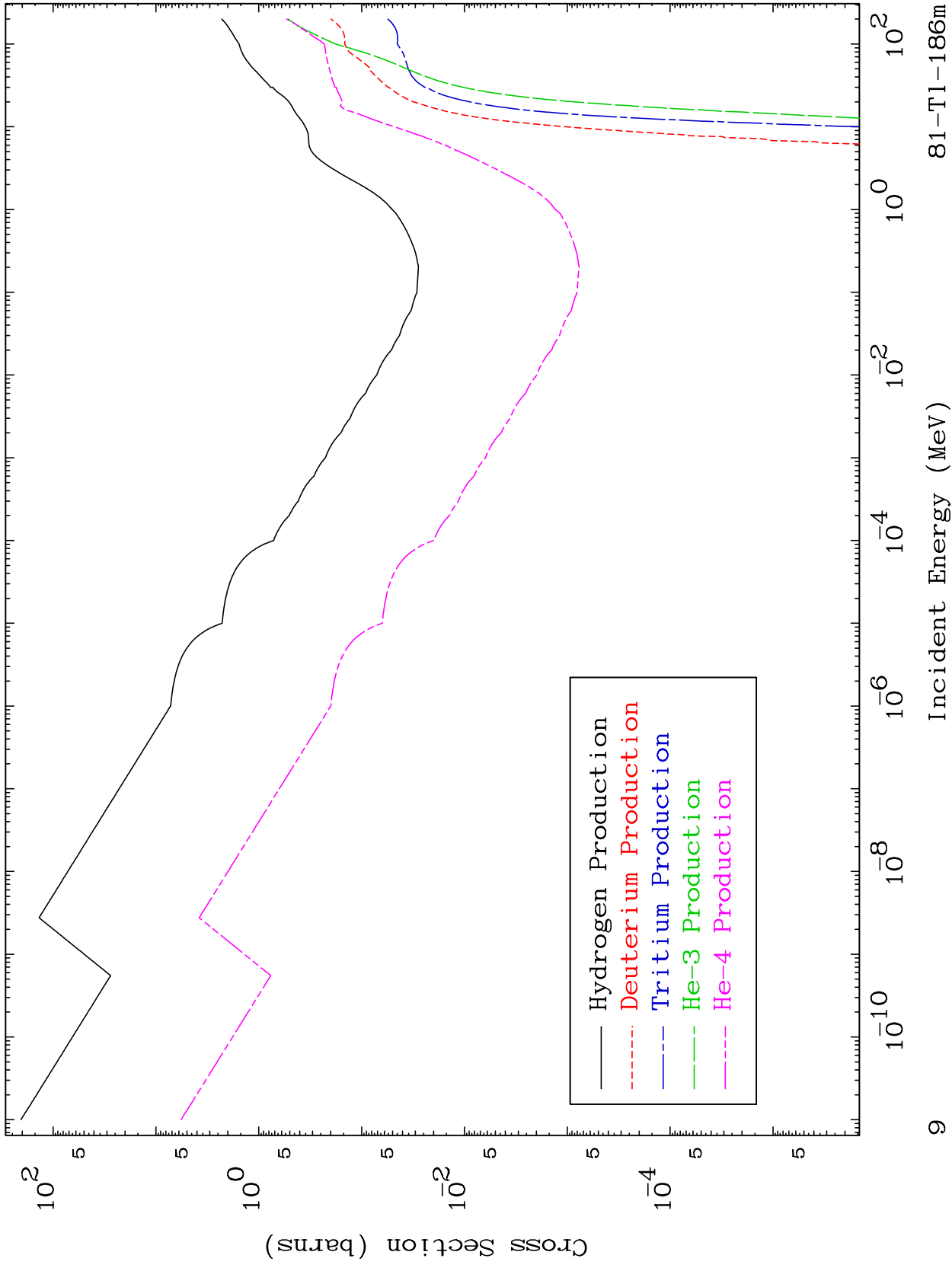


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Charged Particle
293 Kelvin Cross Sections

81-Tl-186m

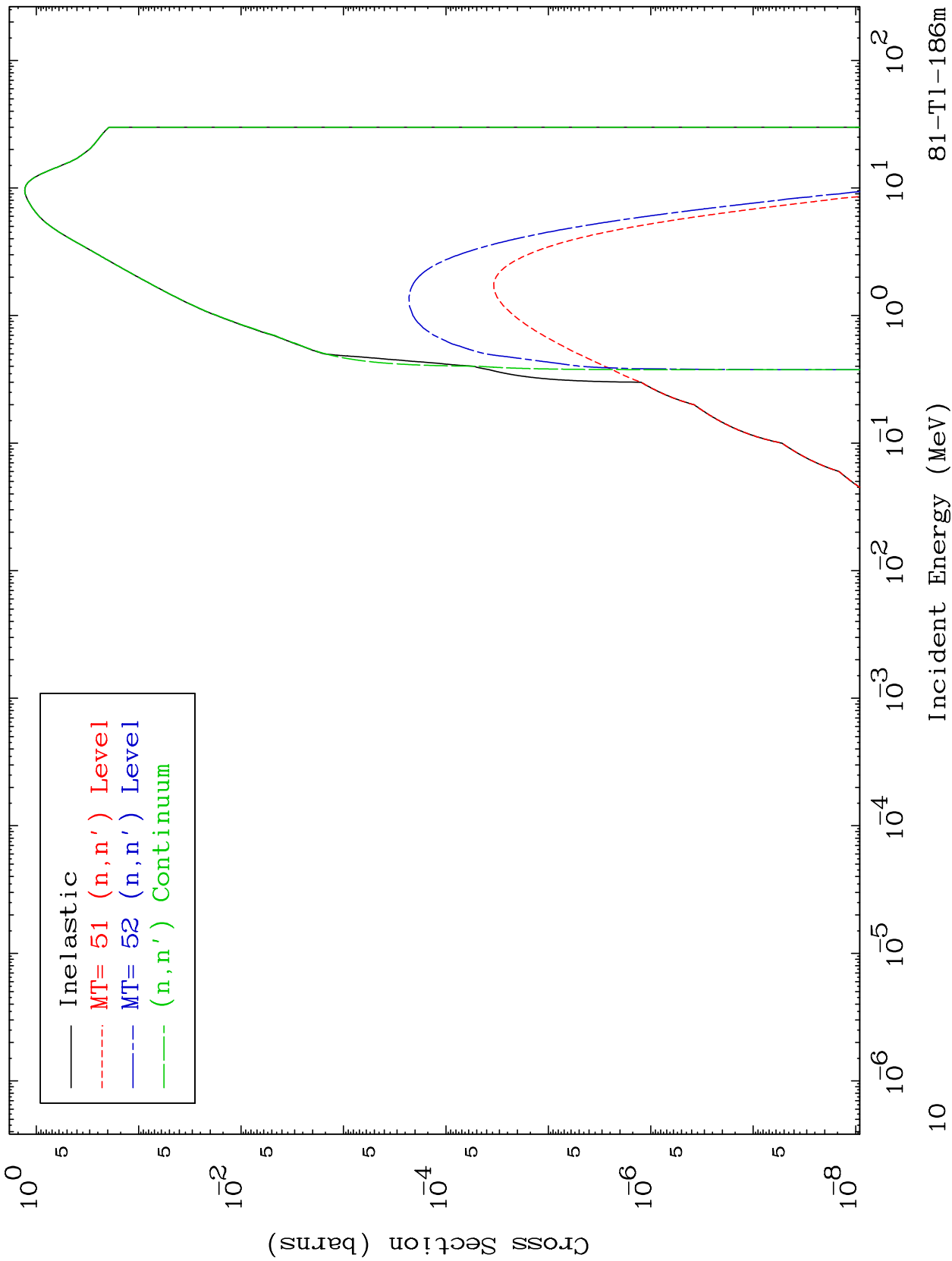




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(n,n') Levels
293 Kelvin Cross Sections

81-Tl-186m

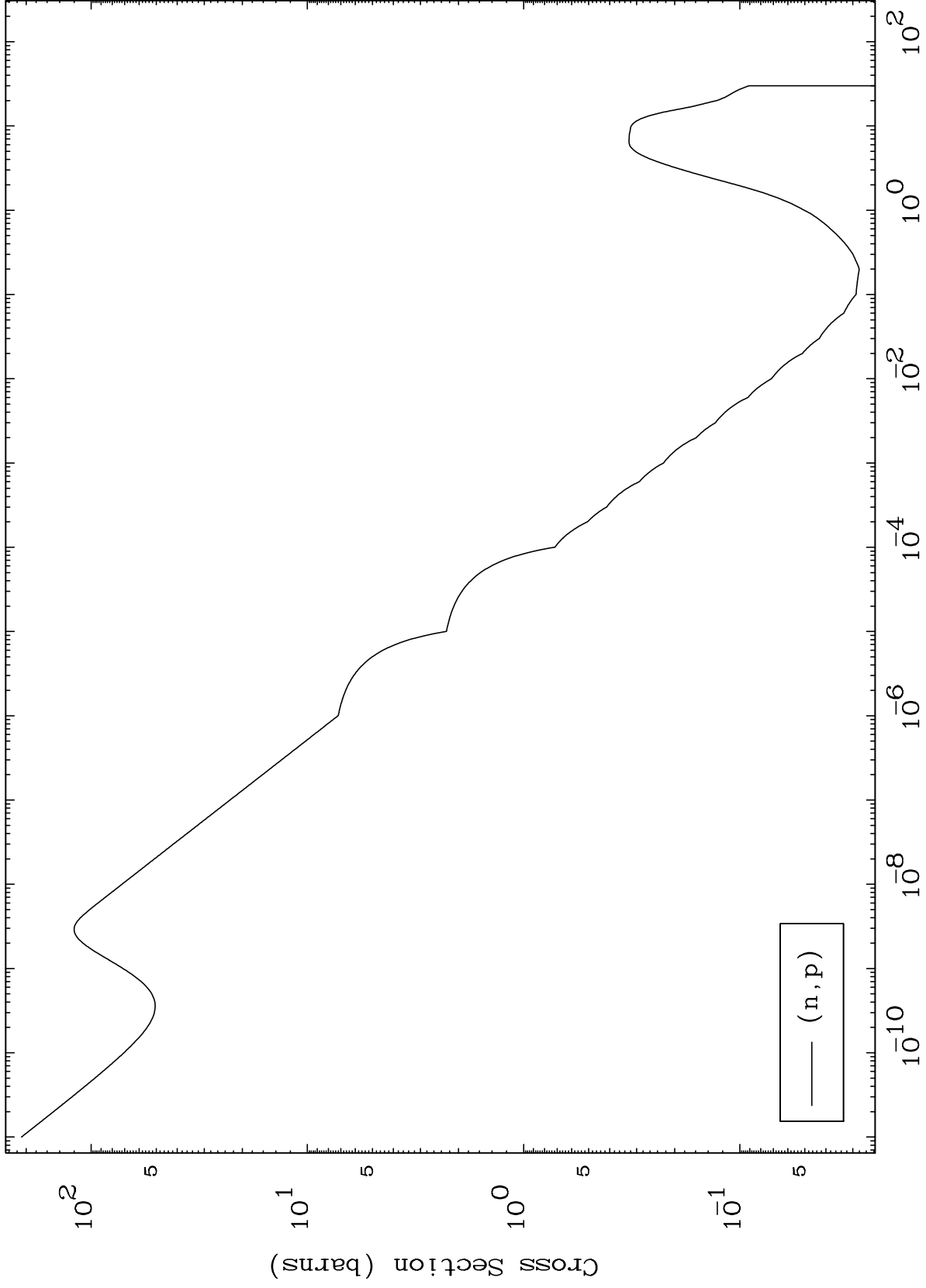


81-Tl-186m

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(n,p) Levels
293 Kelvin Cross Sections

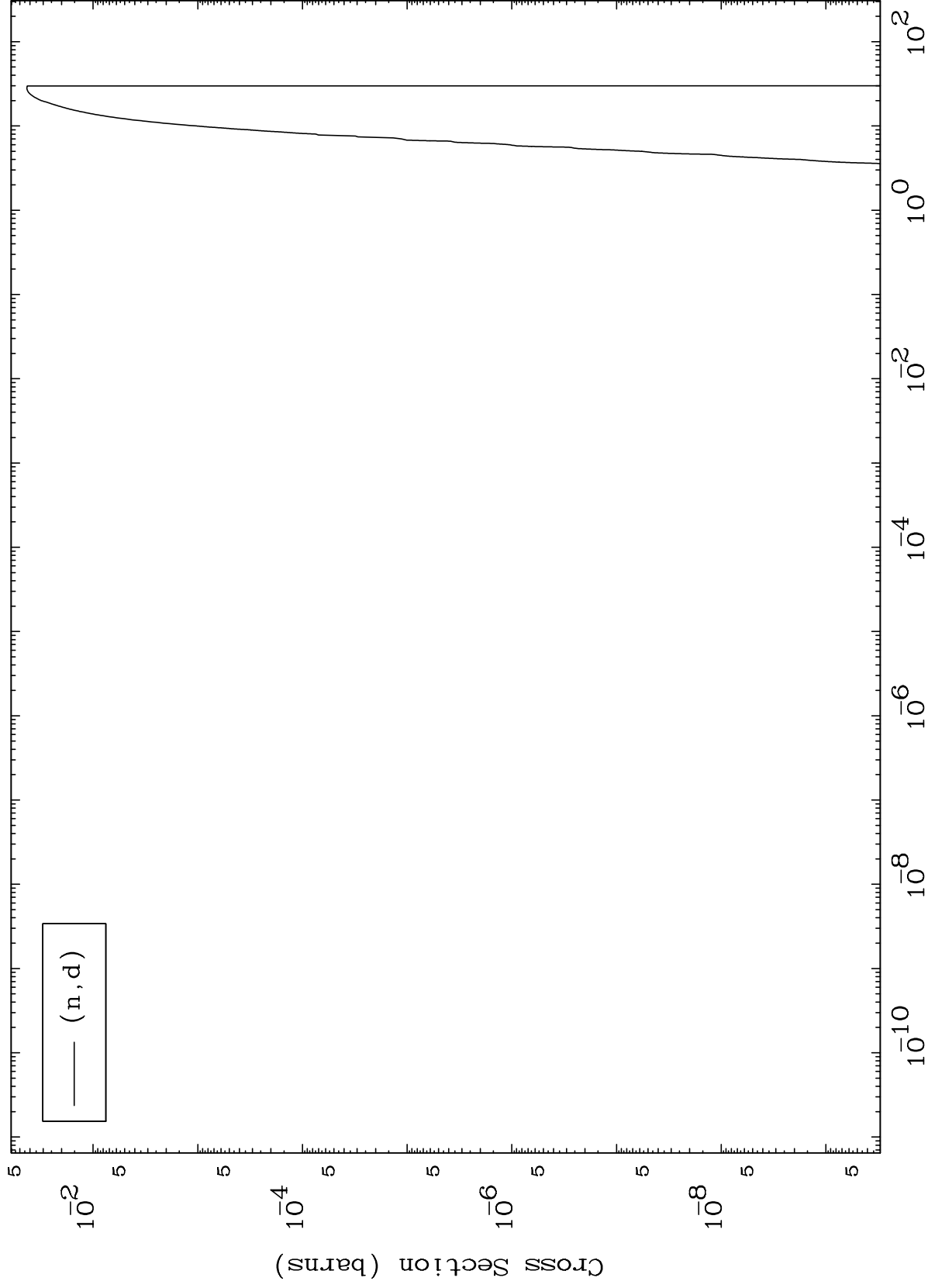
81-Tl-186m



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(n,d) Levels
293 Kelvin Cross Sections

81-Tl-186m



12

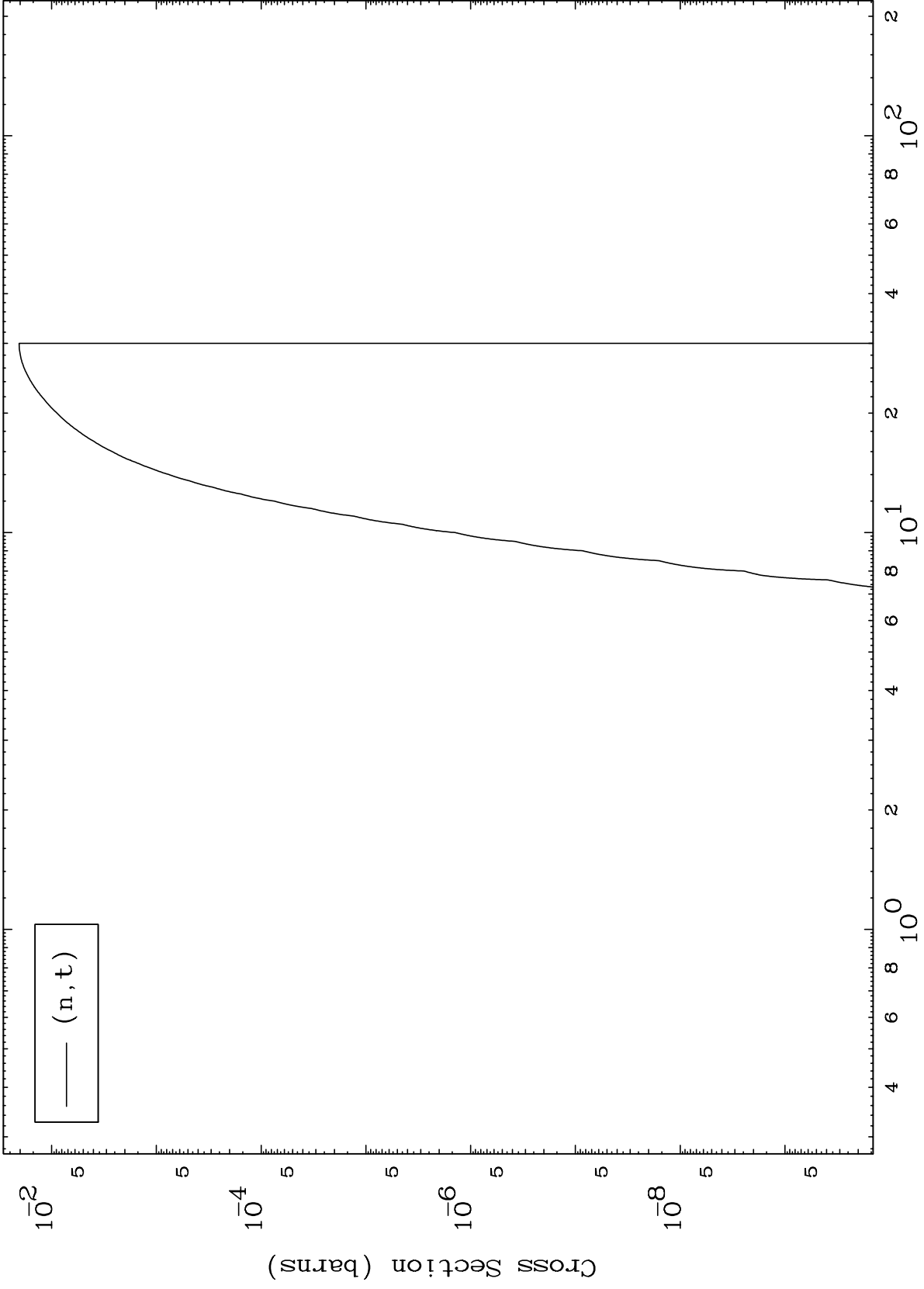
Incident Energy (MeV)

81-Tl-186m

MAT 8075

(n,t) Levels
293 Kelvin Cross Sections

81-Tl-186m



13

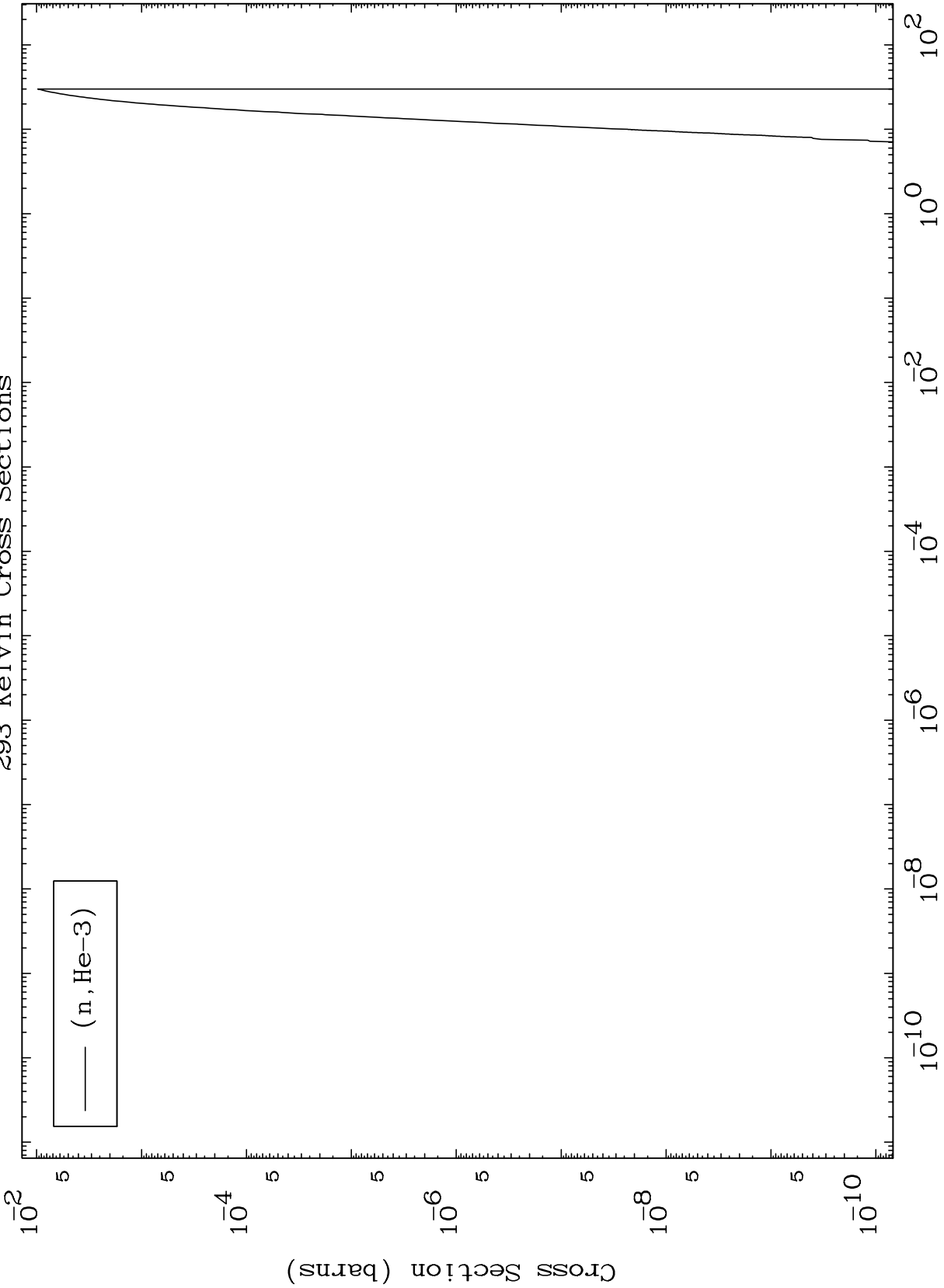
Incident Energy (MeV)

81-Tl-186m

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(n,He3) Levels
293 Kelvin Cross Sections

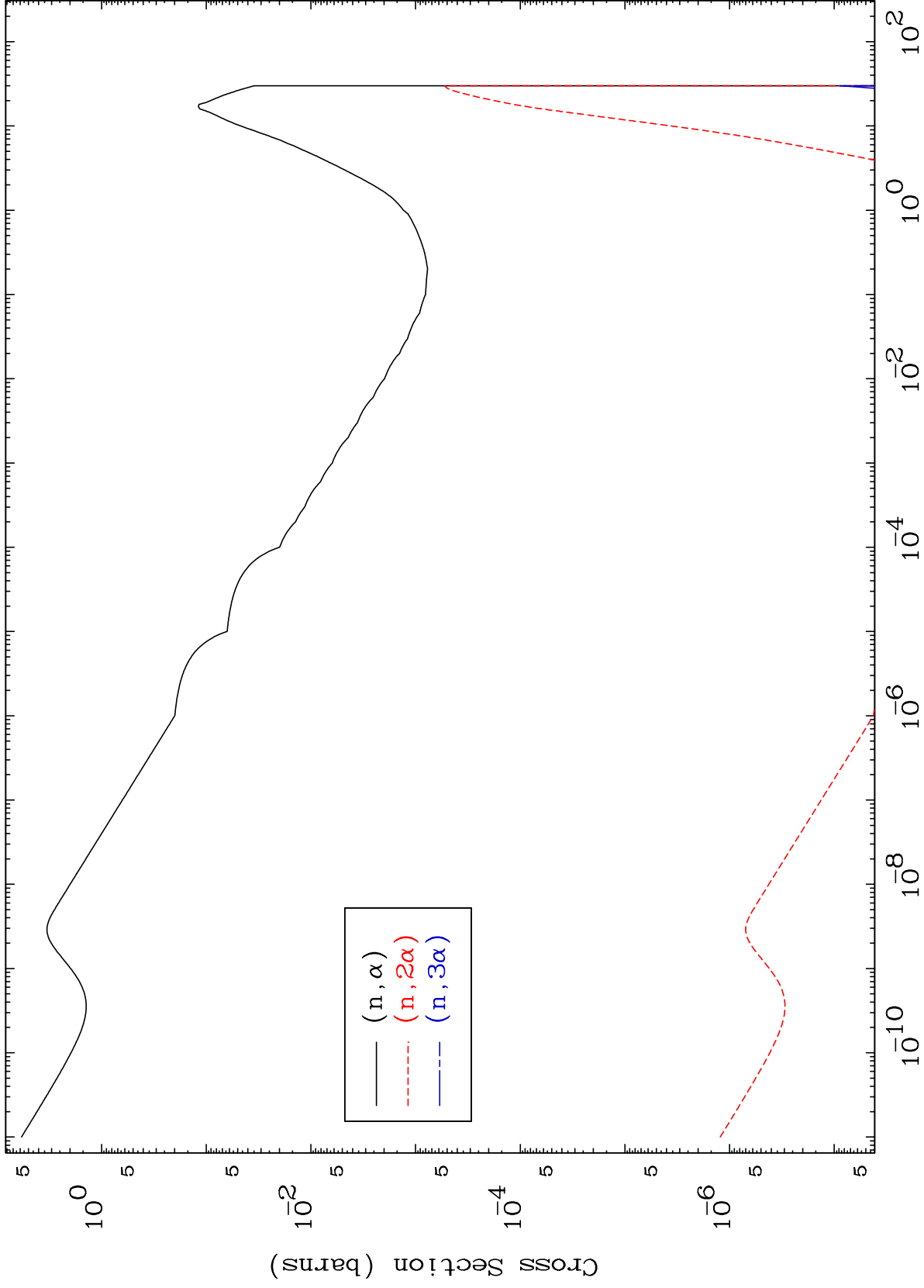
81-Tl-186m



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(n,α) Levels
293 Kelvin Cross Sections

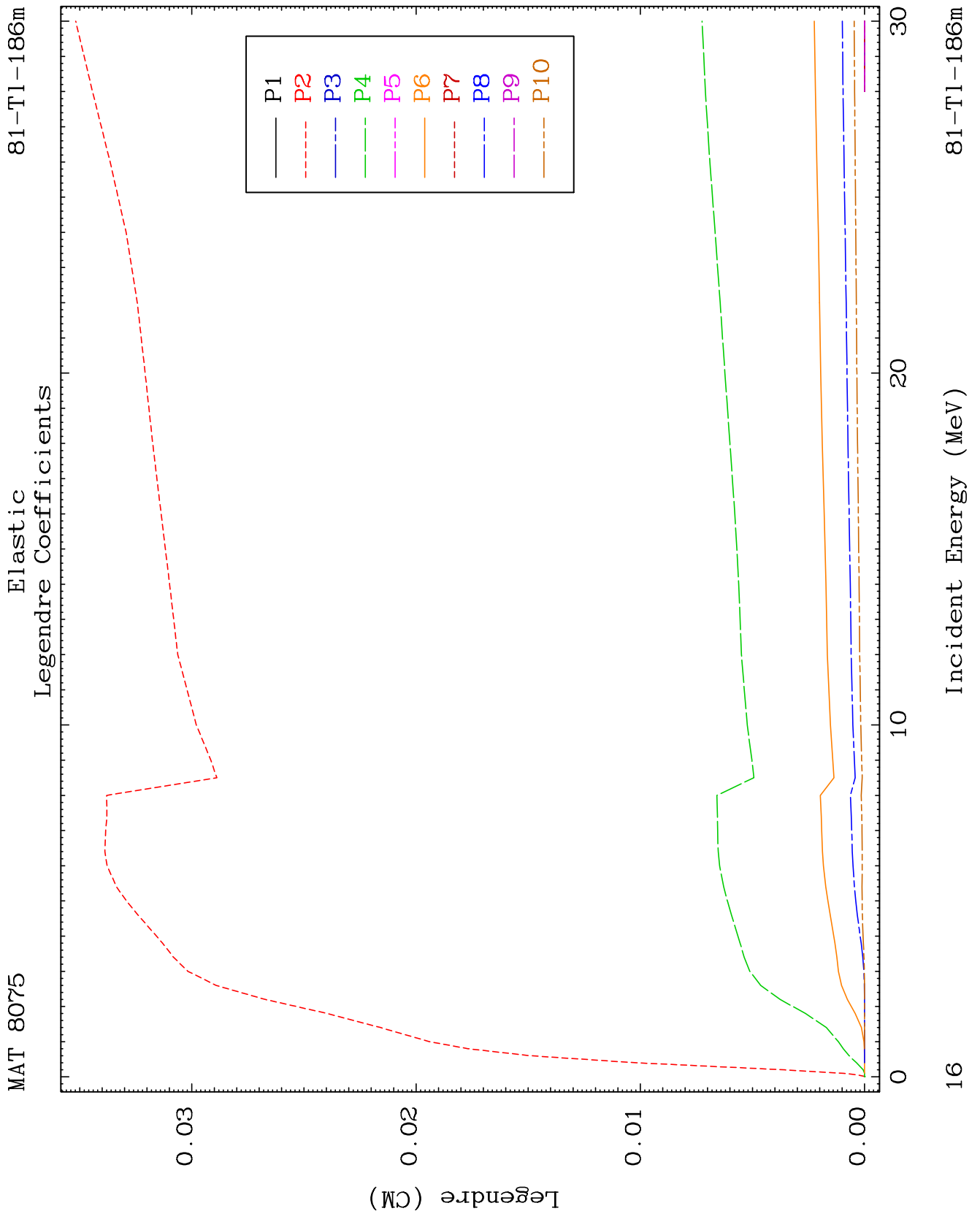
81-Tl-186m



15

Incident Energy (MeV)

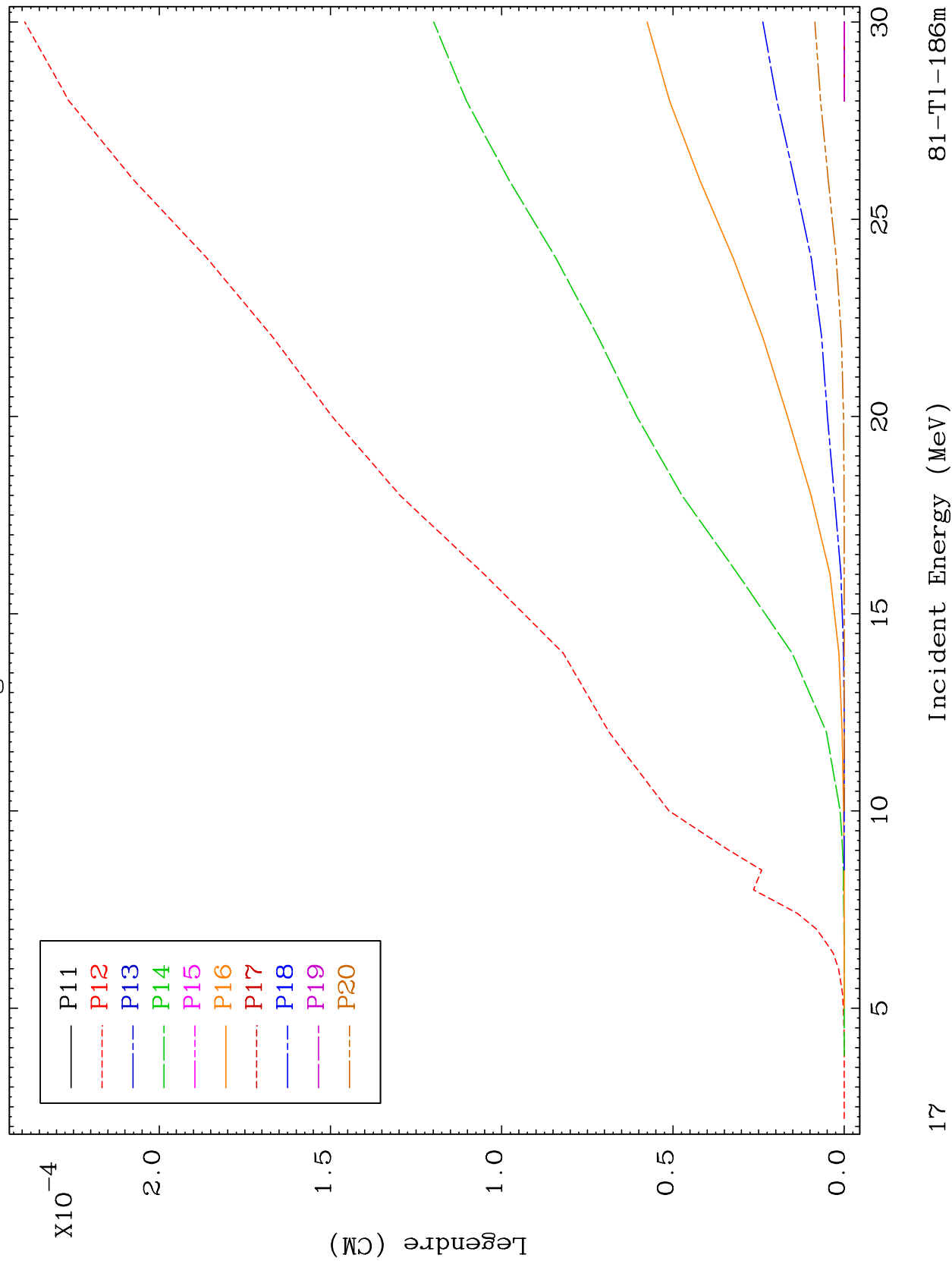
81-Tl-186m



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Elastic
Legendre Coefficients

81-Tl-186m

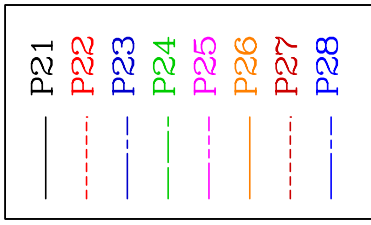


- P11
- P12
- P13
- P14
- P15
- P16
- P17
- P18
- P19
- P20

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Elastic
Legendre Coefficients

81-Tl-186m



$\times 10^{-6}$
Legendre (CM)
0.0
0.2
0.4
0.6
0.8
1.0



18

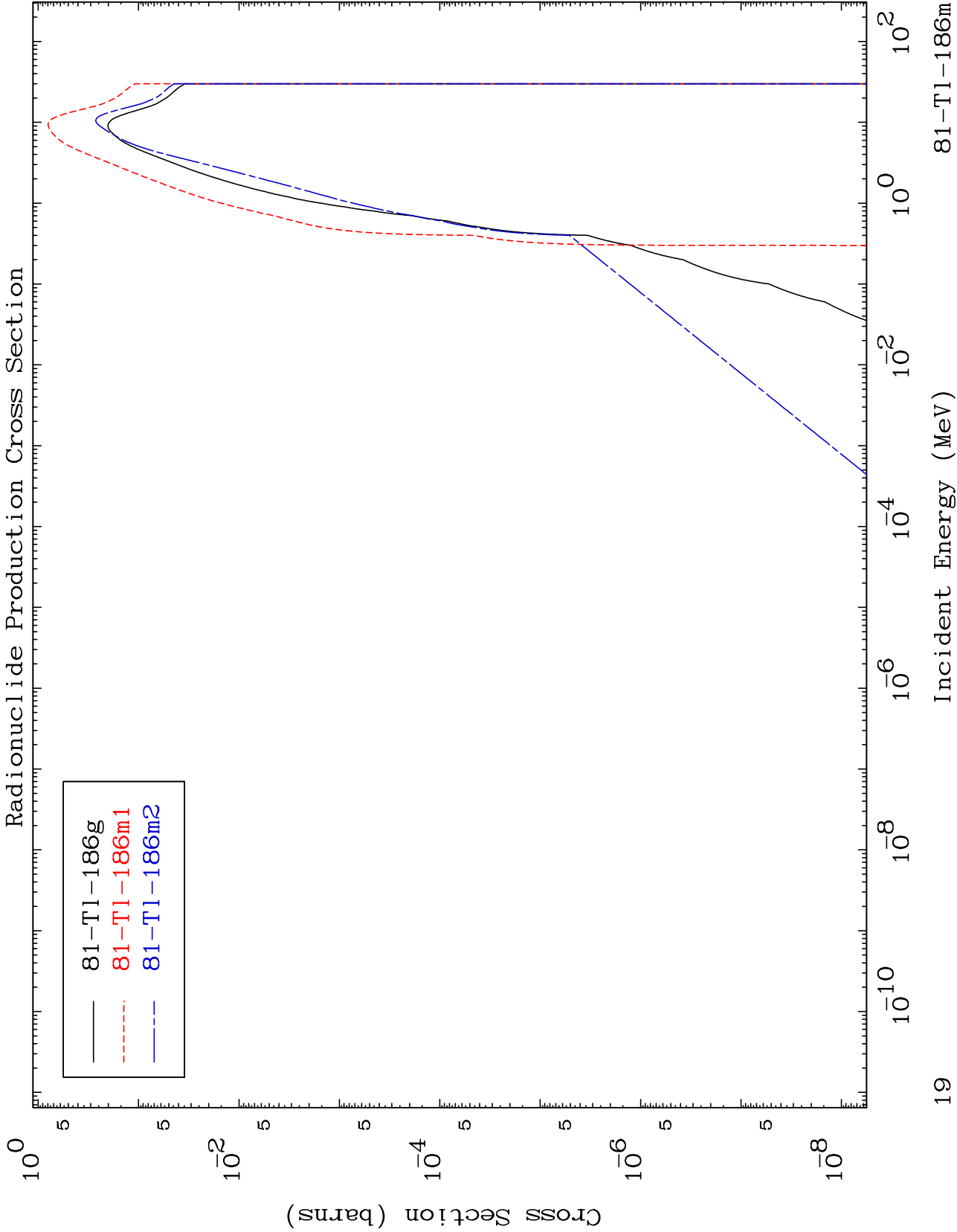
Incident Energy (MeV)

81-Tl-186m

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Inelastic
Radionuclide Production Cross Section

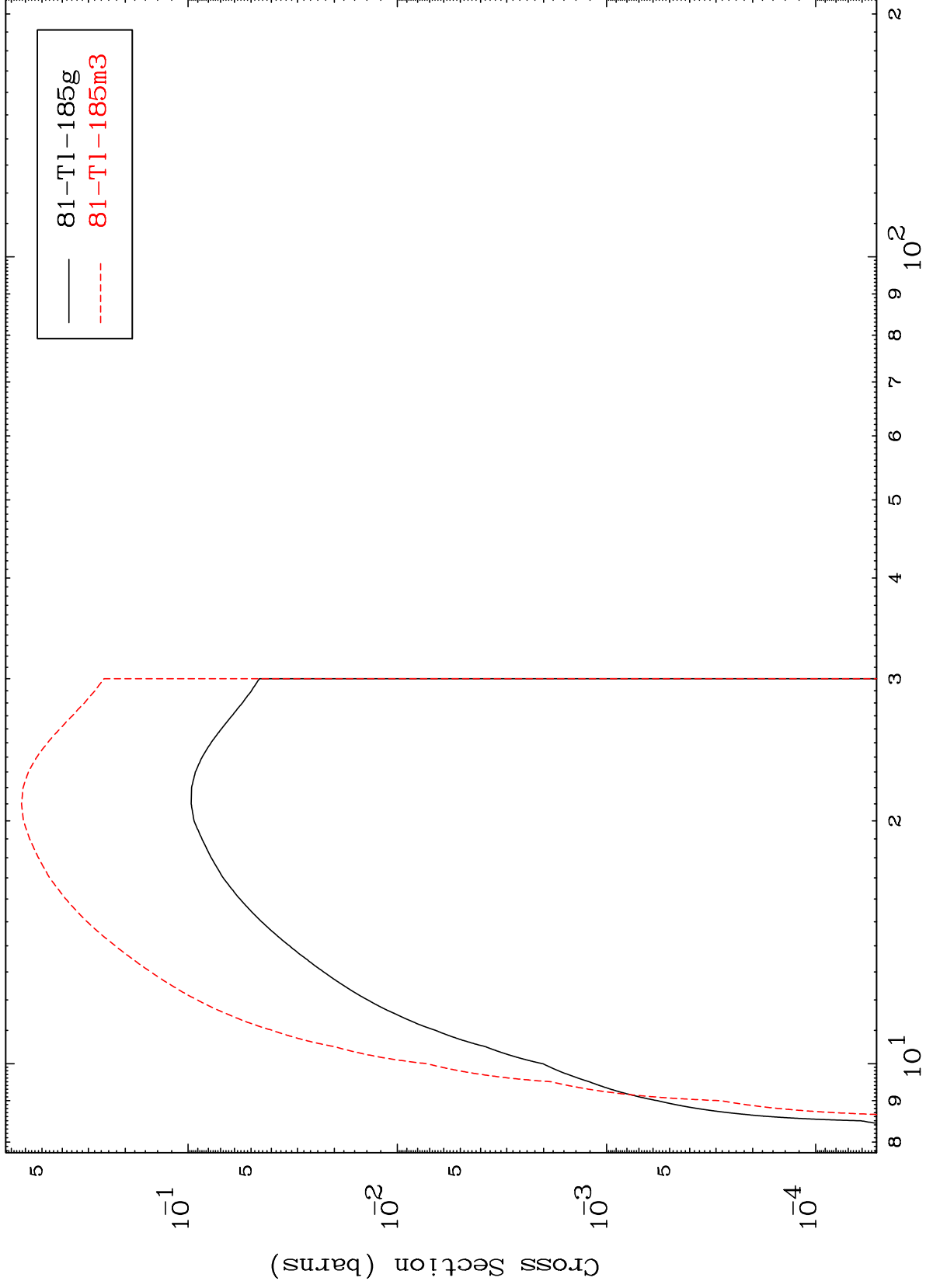
81-Tl-186m



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81-Tl-186m

(n,2n)
Radionuclide Production Cross Section



81-Tl-186m

Incident Energy (MeV)

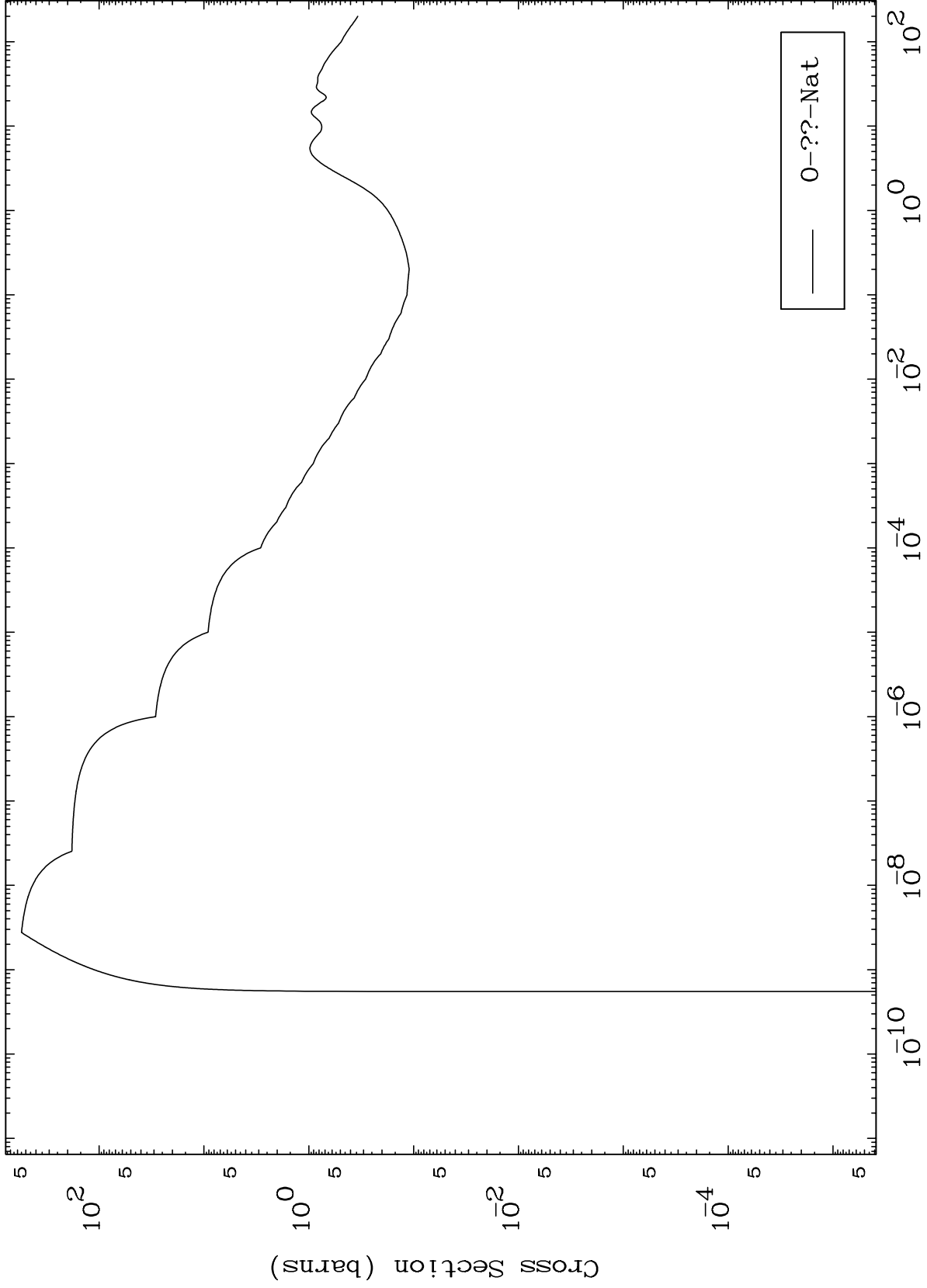
20

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Fission

81-Tl-186m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

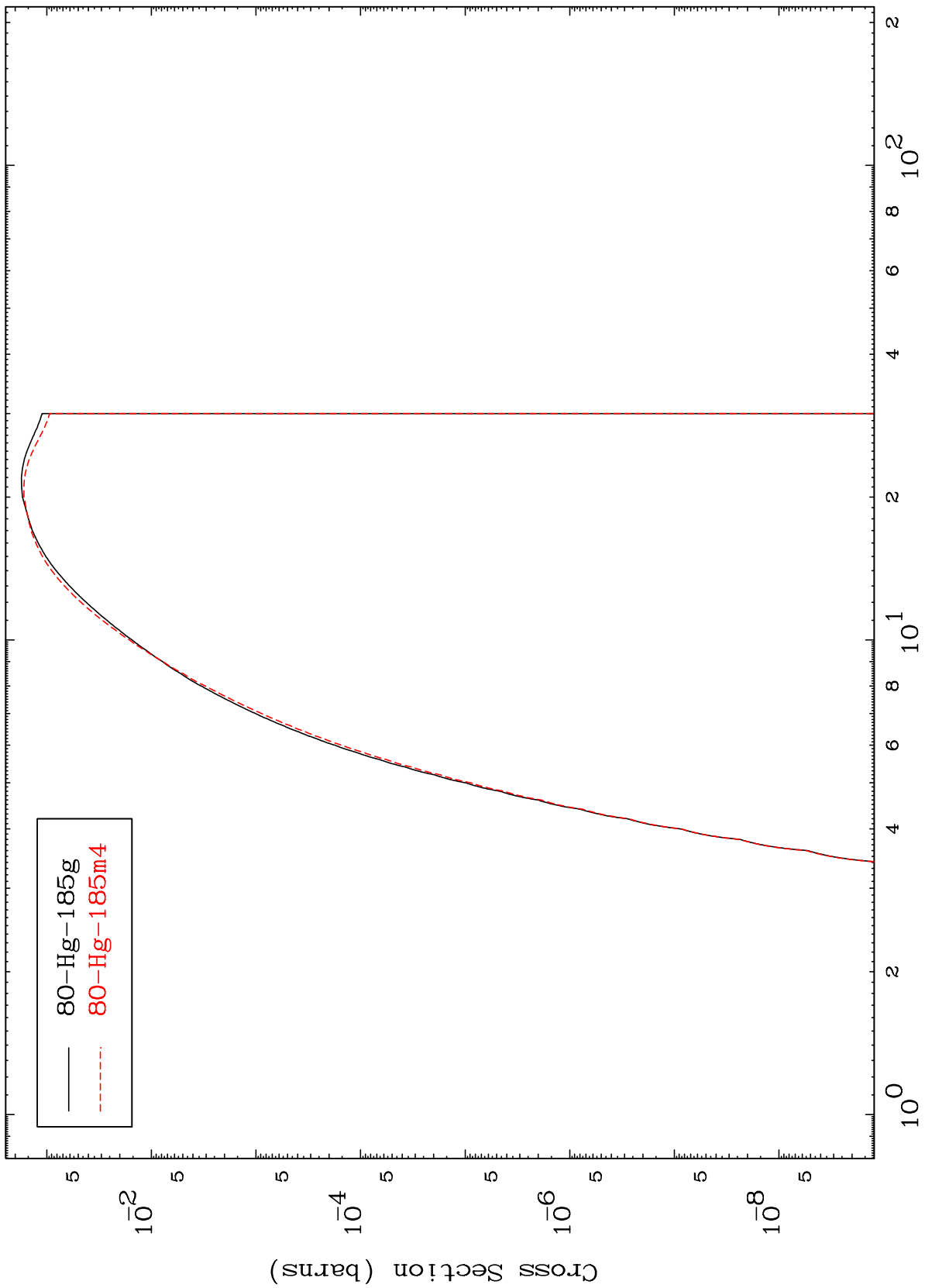
81-Tl-186m

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(n,n') p

81-Tl-186m

Radionuclide Production Cross Section



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

22

Incident Energy (MeV)

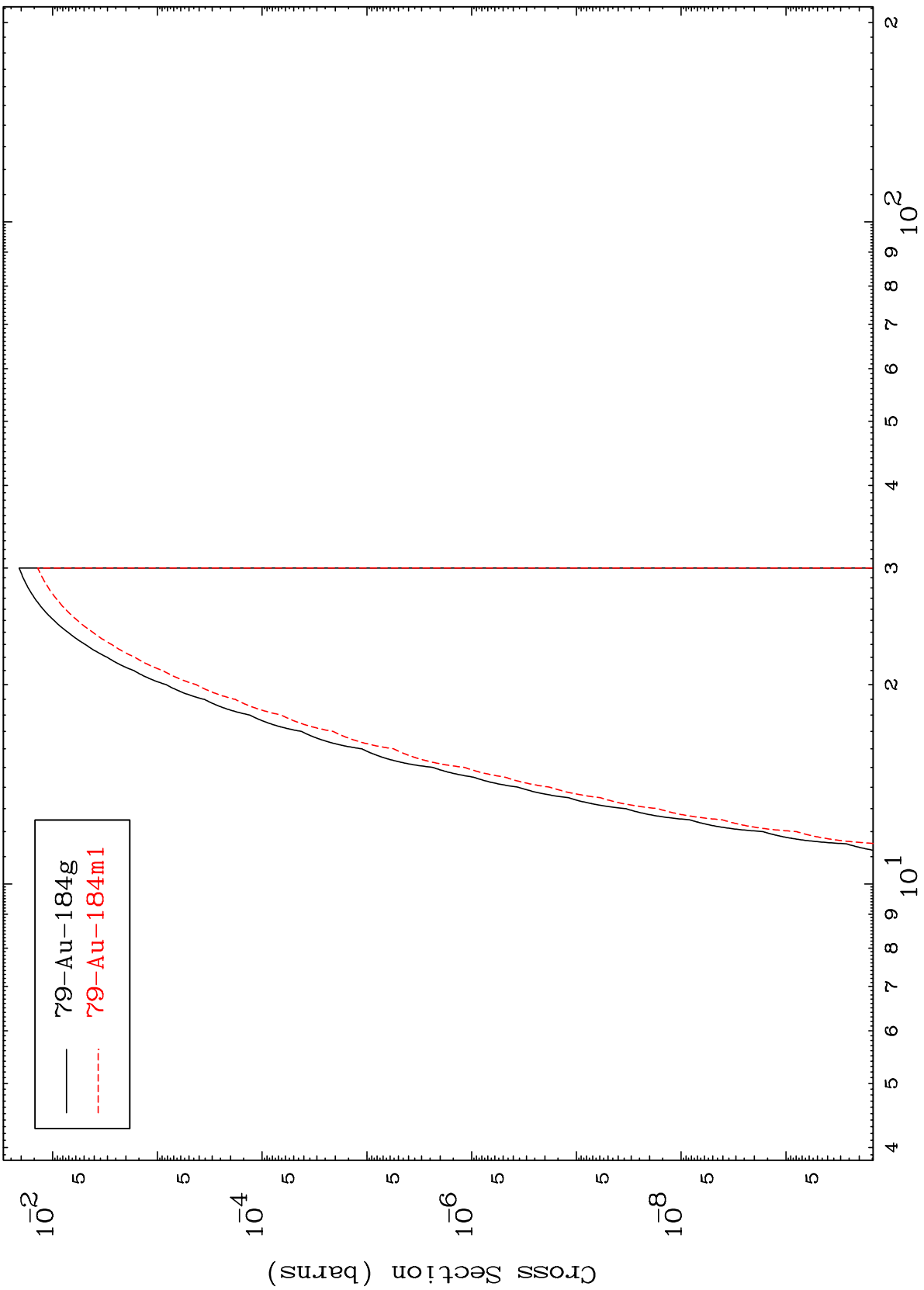
81-Tl-186m

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(n,2n) p

81-Tl-186m

Radionuclide Production Cross Section



— $^{79}\text{Au-184g}$
- - - $^{79}\text{Au-184m1}$

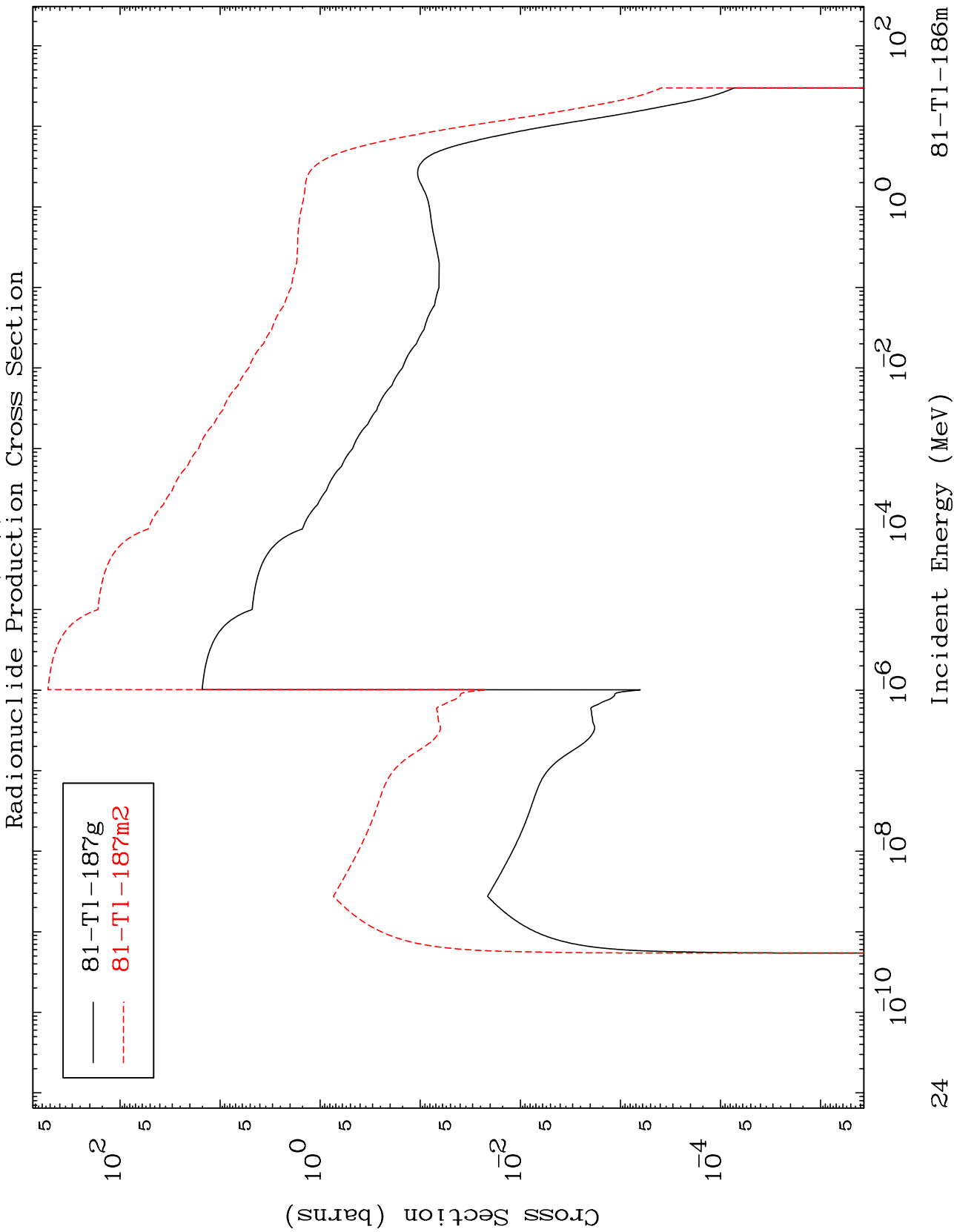
23

Incident Energy (MeV)

81-Tl-186m

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81-Tl-186m

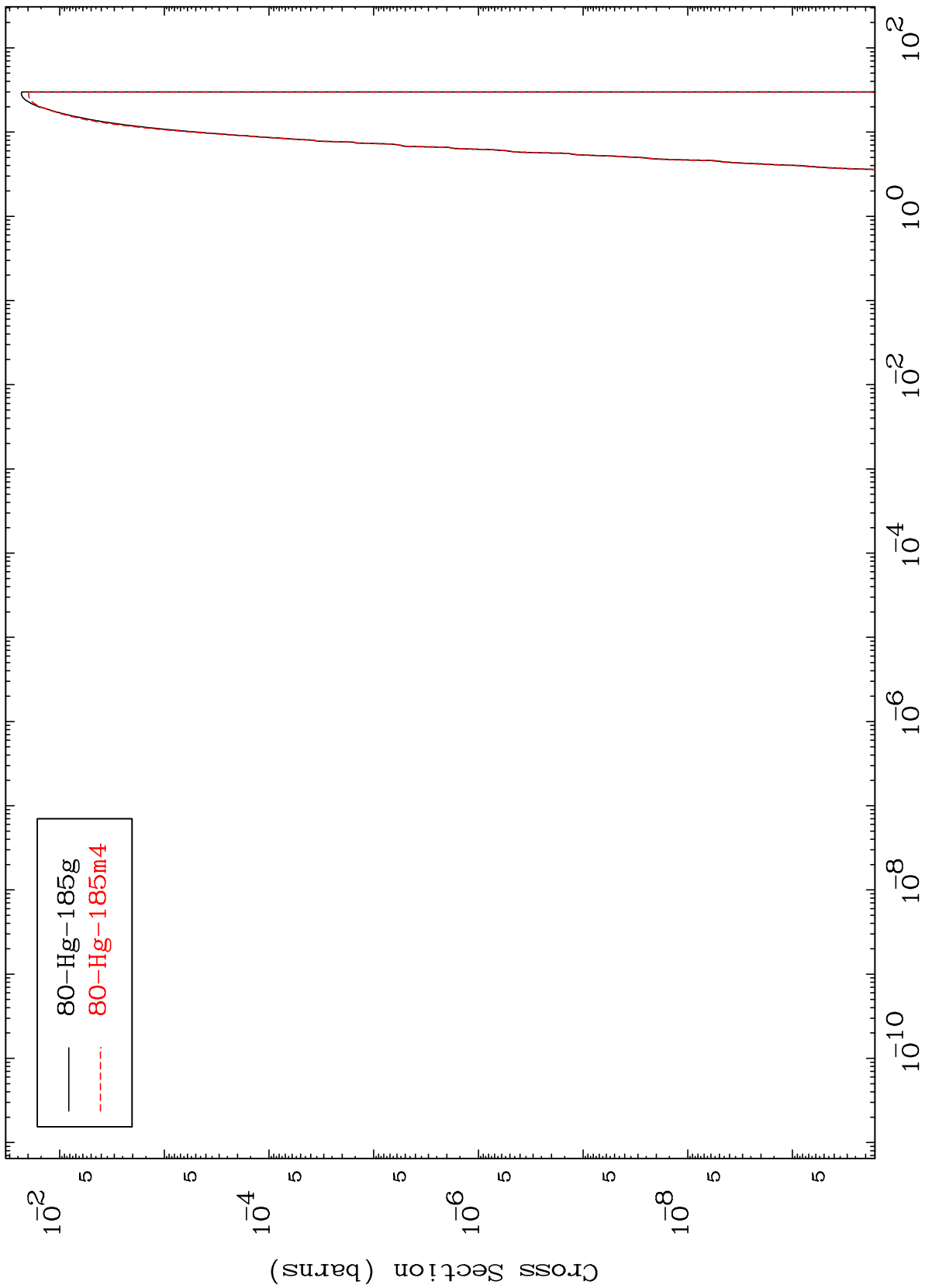


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(n,d)

81-Tl-186m

Radionuclide Production Cross Section

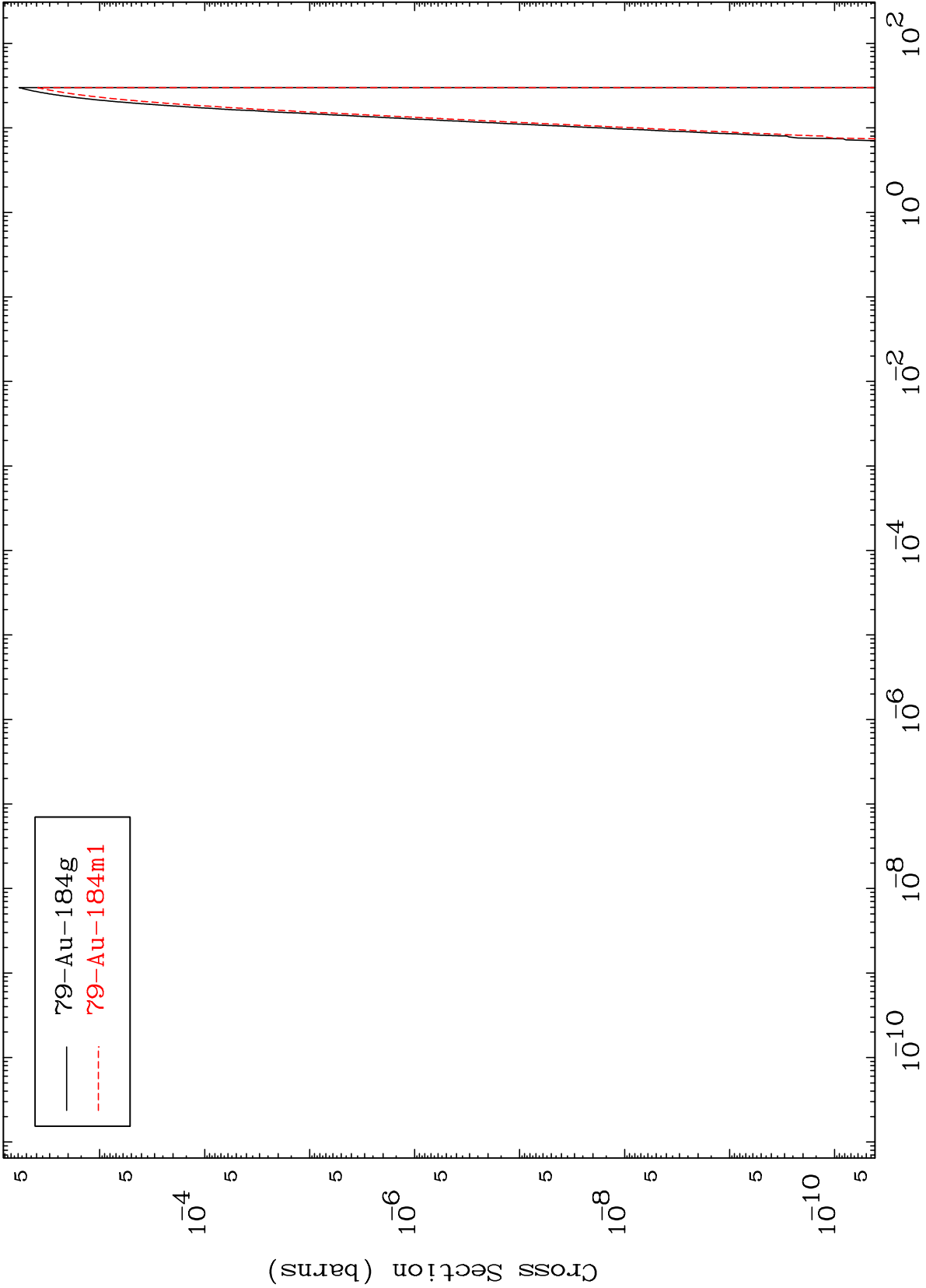


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(n,He-3)

81-Tl-186m

Radionuclide Production Cross Section

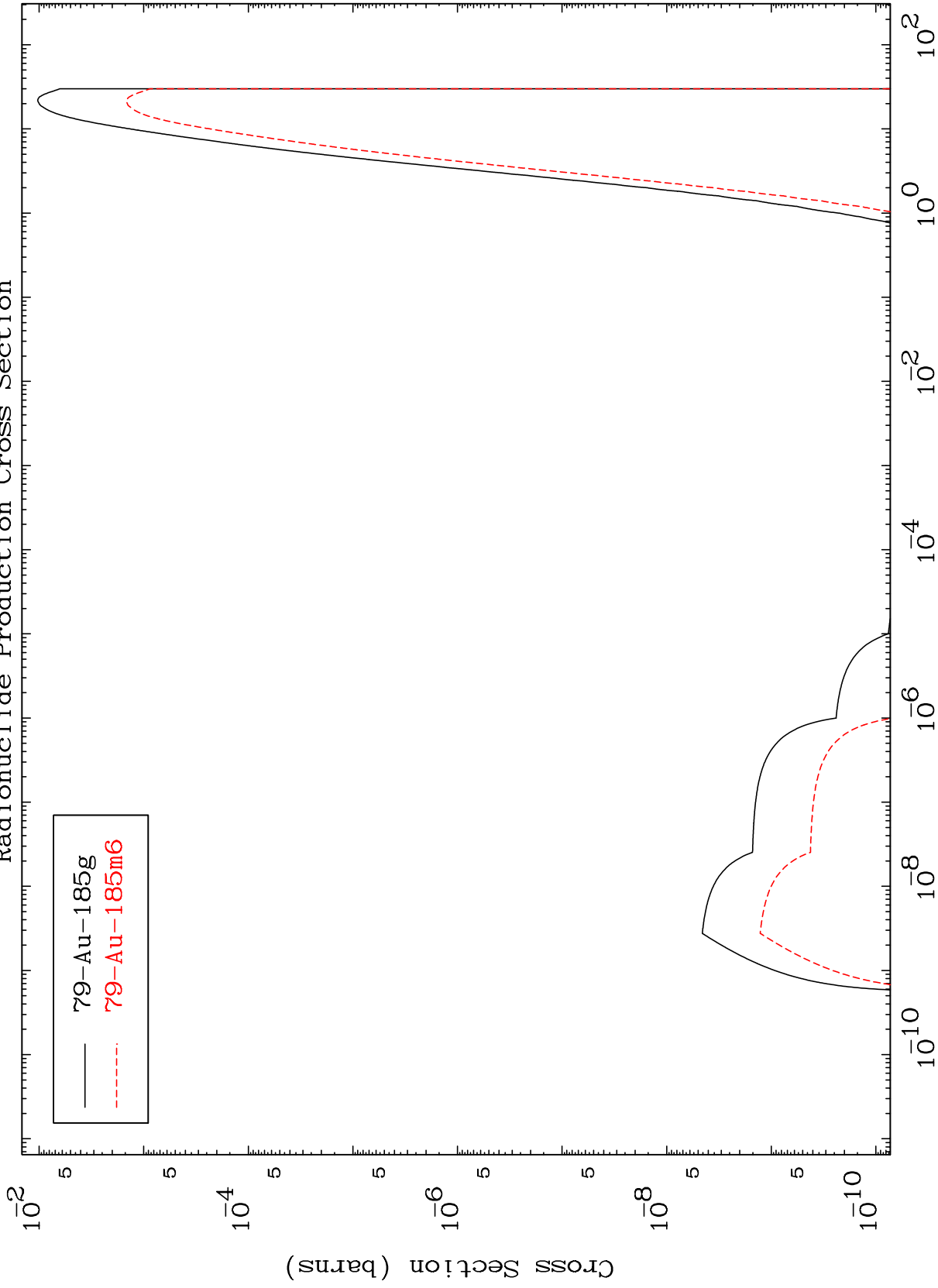


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(n,2p)

81-Tl-186m

Radionuclide Production Cross Section



Incident Energy (MeV)

81-Tl-186m

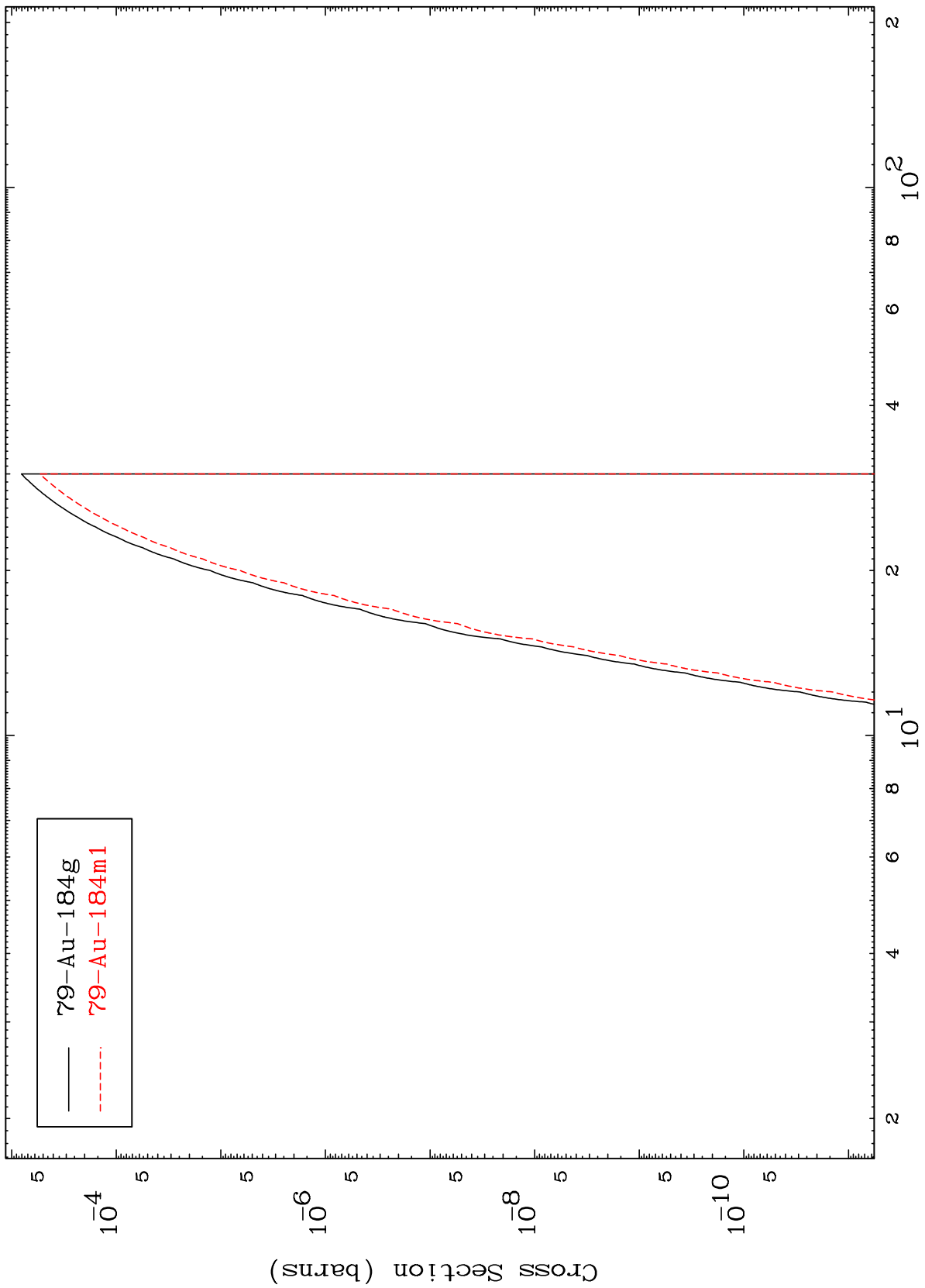
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(n,p) d

81-Tl-186m

Radionuclide Production Cross Section



— $^{79}\text{Au-184g}$
- - - $^{79}\text{Au-184m1}$