

Program EVALPLOT
(Version 2021-1)

by

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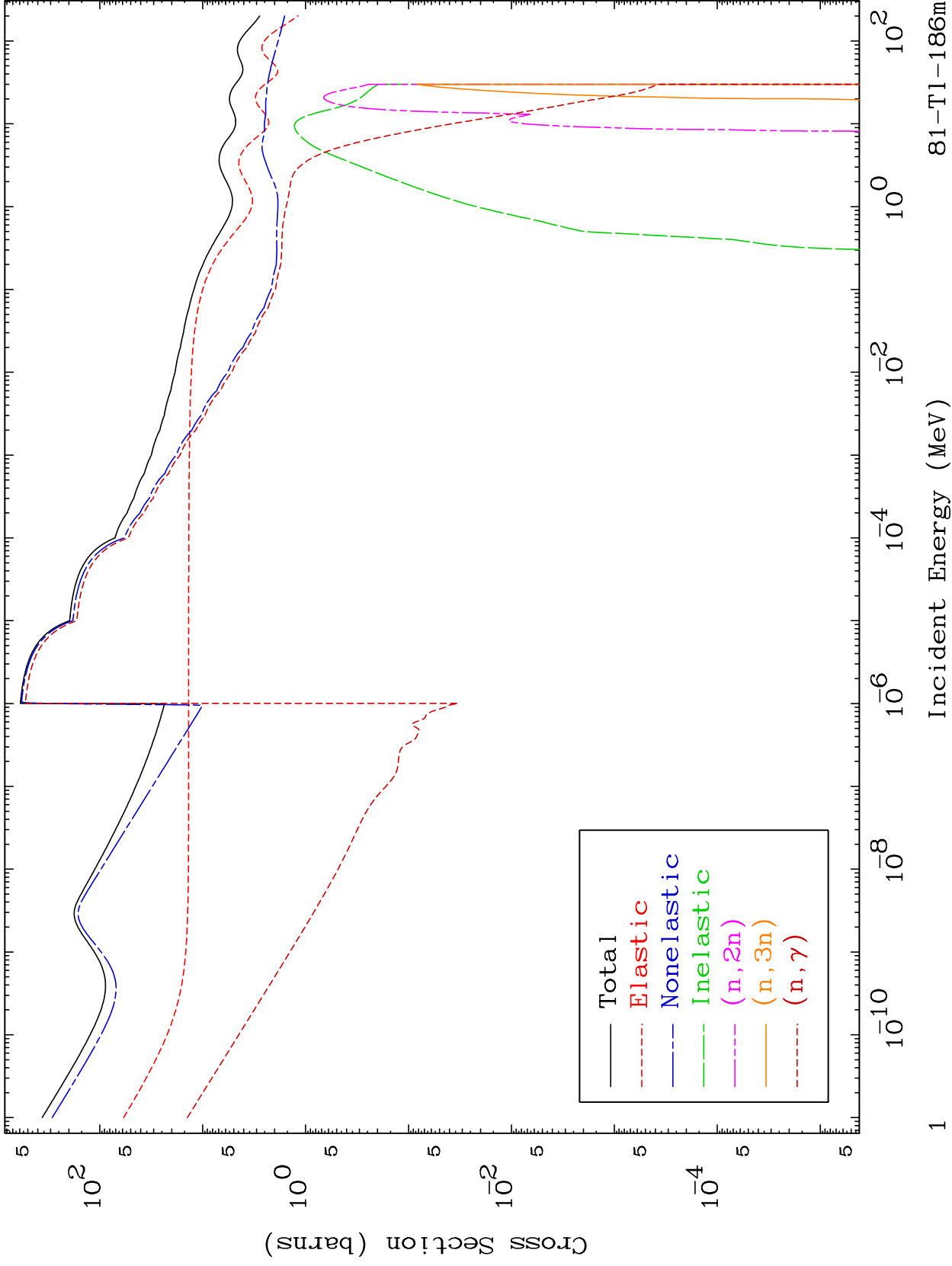
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8075

Neutron Major
293 Kelvin Cross Sections

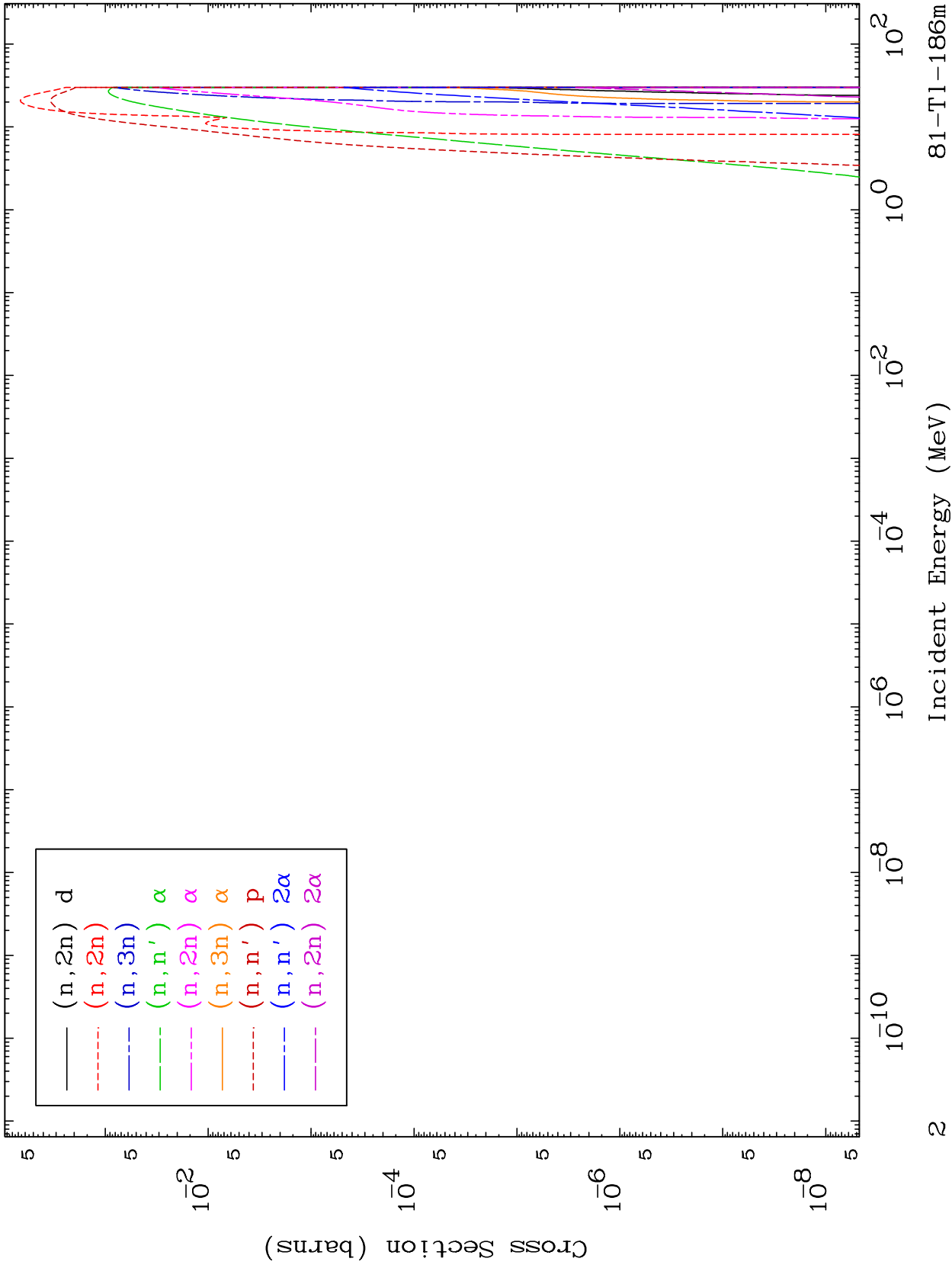
81-Tl-186m



MAT 8075

Neutron Absorption
293 Kelvin Cross Sections

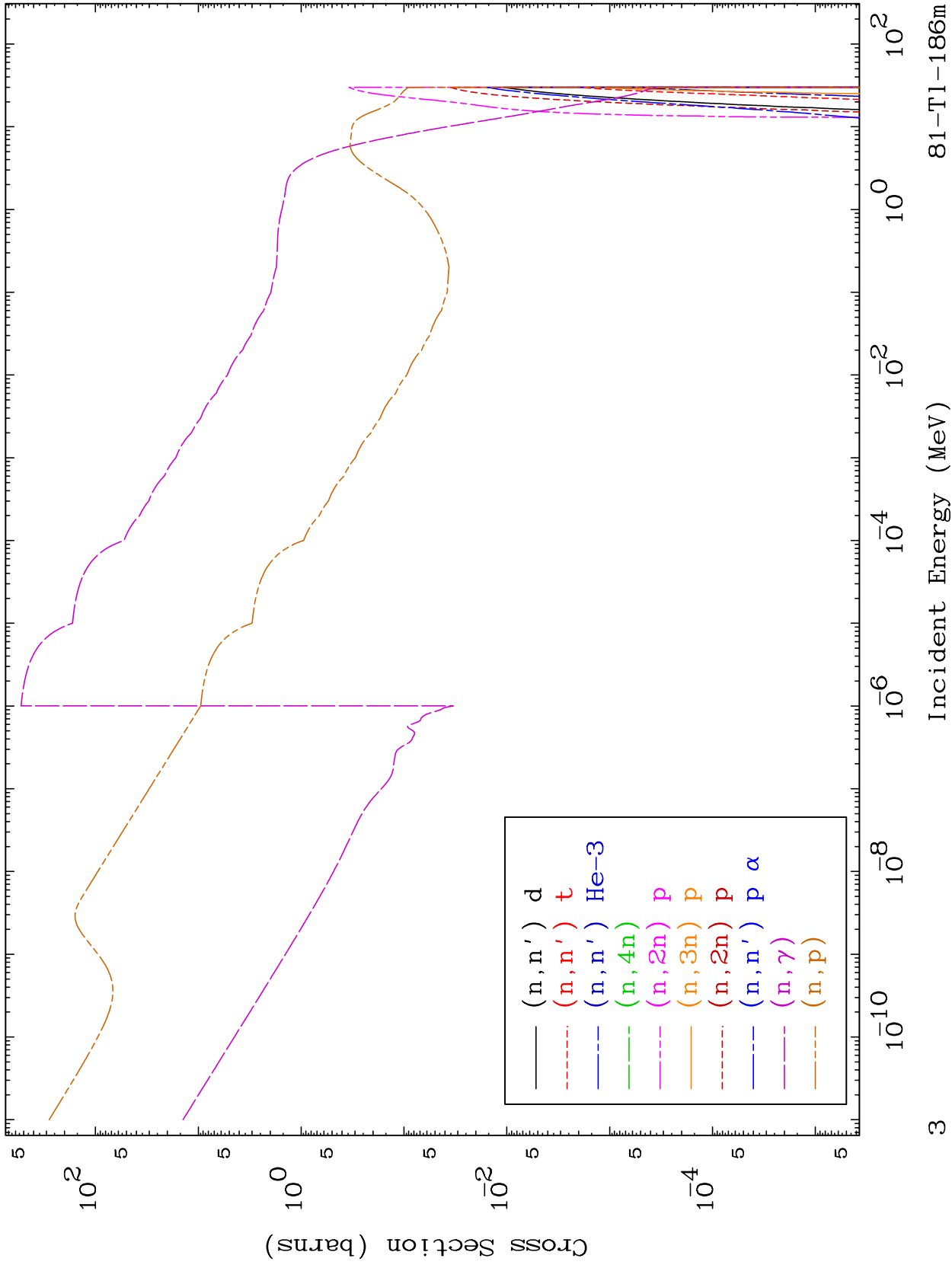
81-Tl-186m



MAT 8075

Neutron Absorption
293 Kelvin Cross Sections

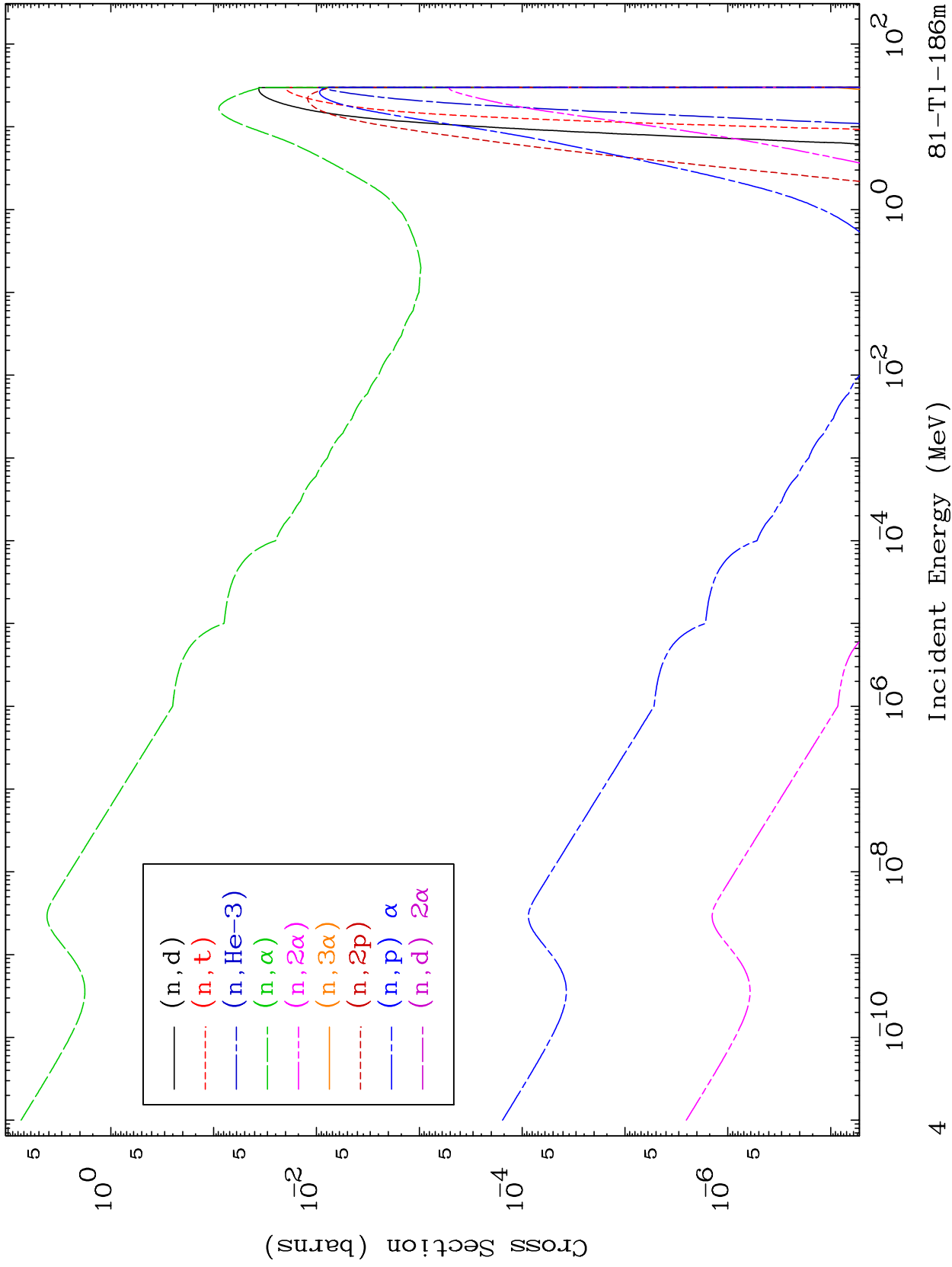
81-Tl-186m

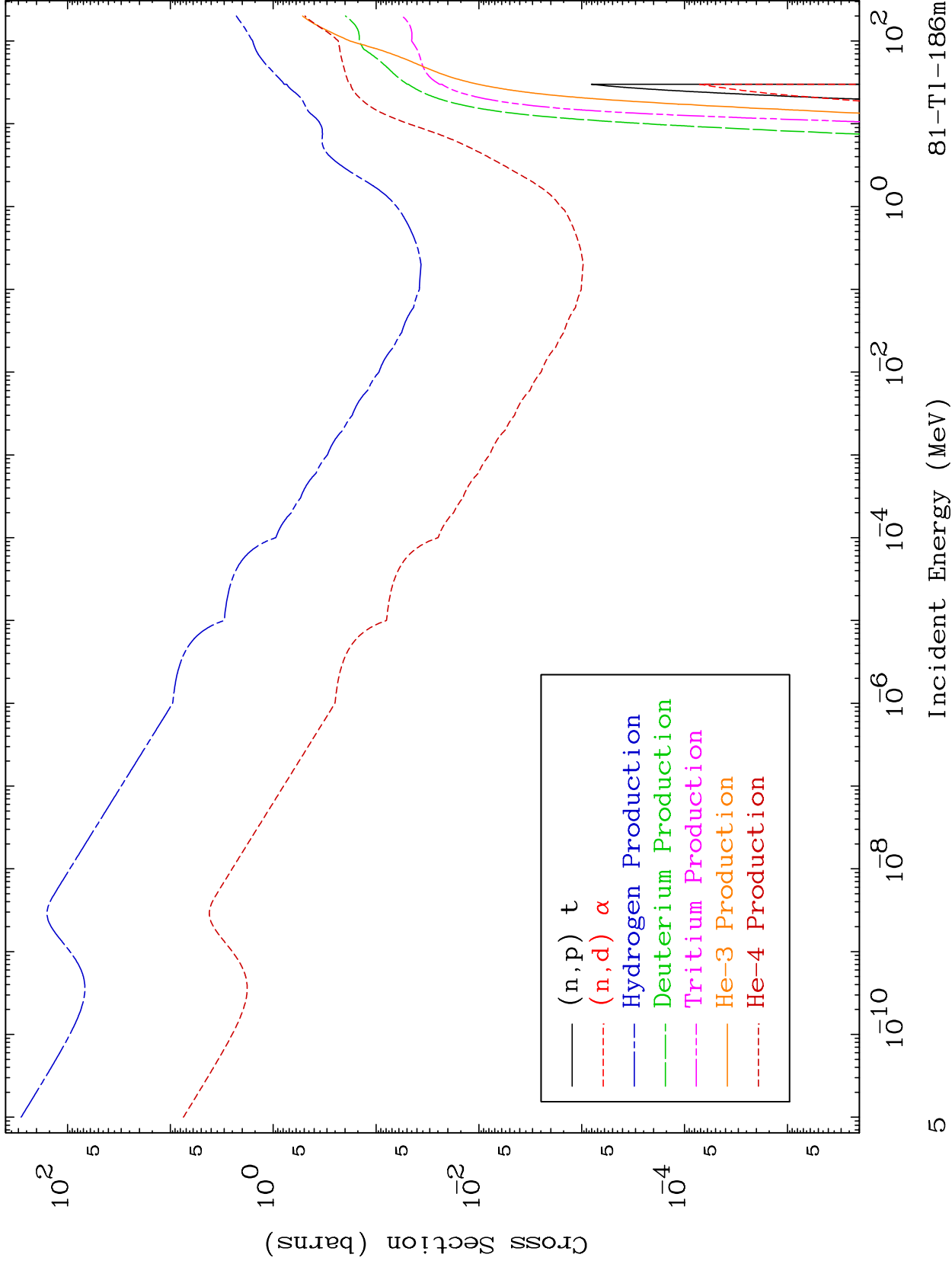


MAT 8075

Neutron Absorption
293 Kelvin Cross Sections

81-TI-186m

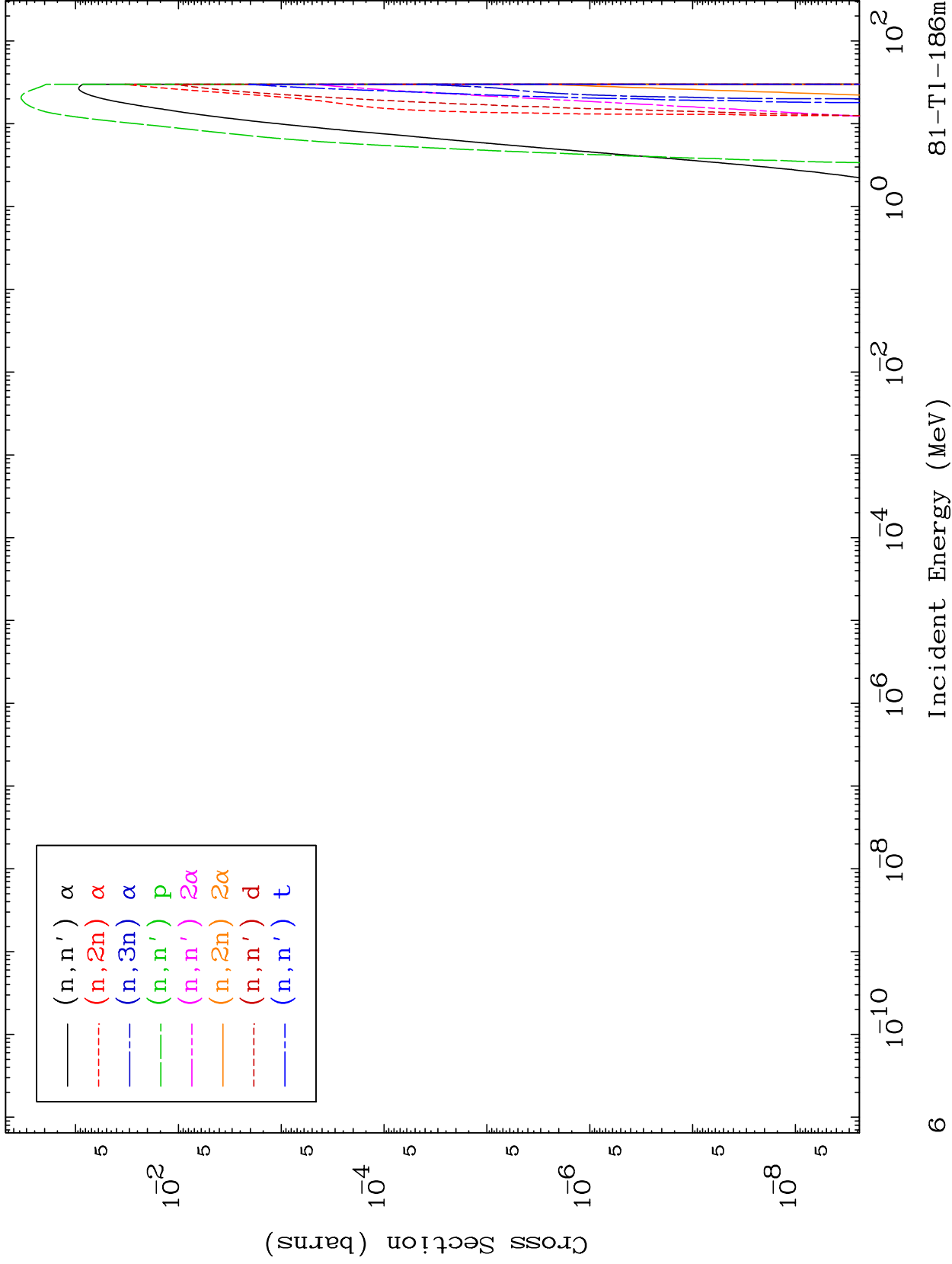




MAT 8075

Charged Particle
293 Kelvin Cross Sections

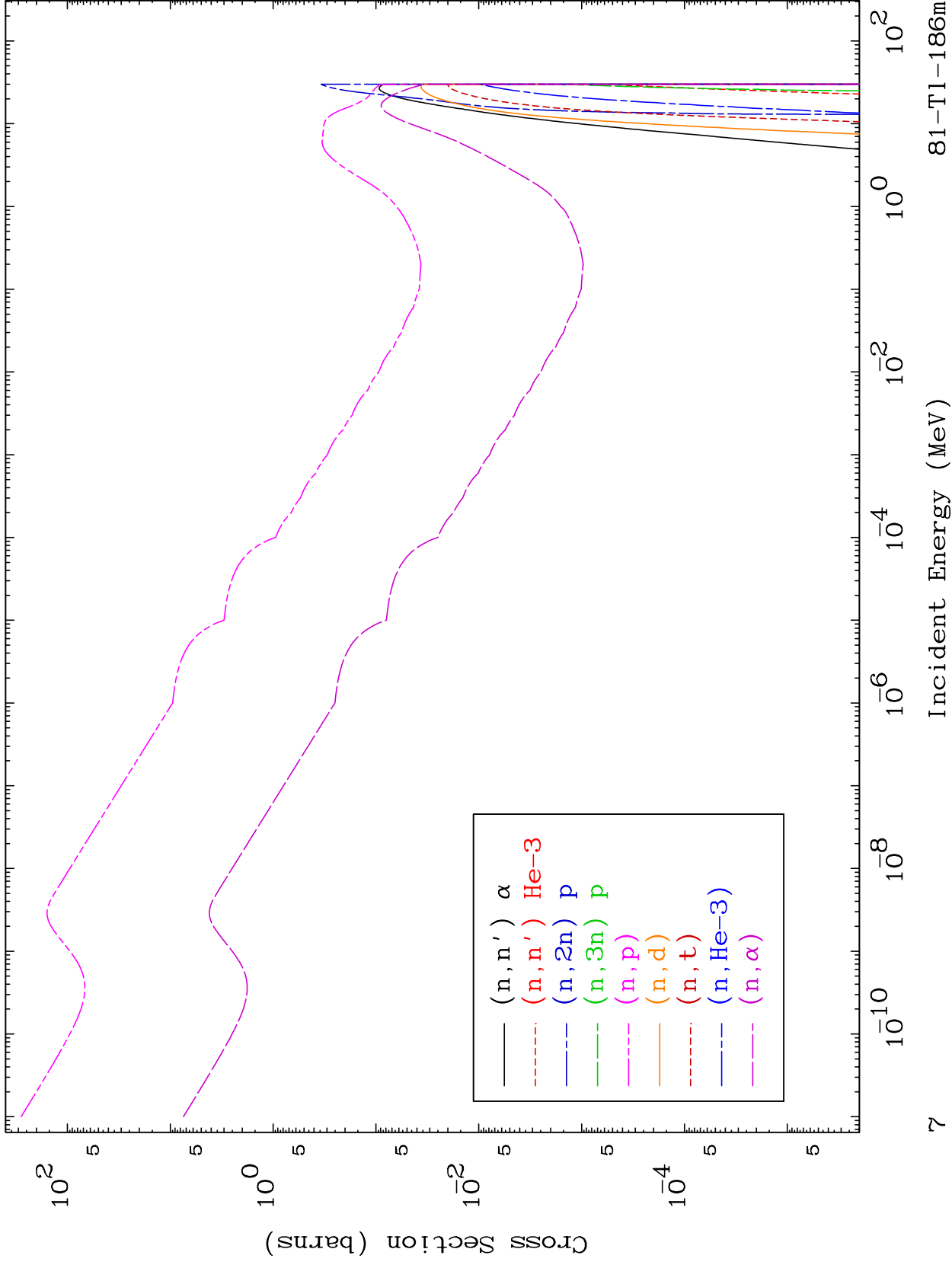
81-Tl-186m



MAT 8075

Charged Particle
293 Kelvin Cross Sections

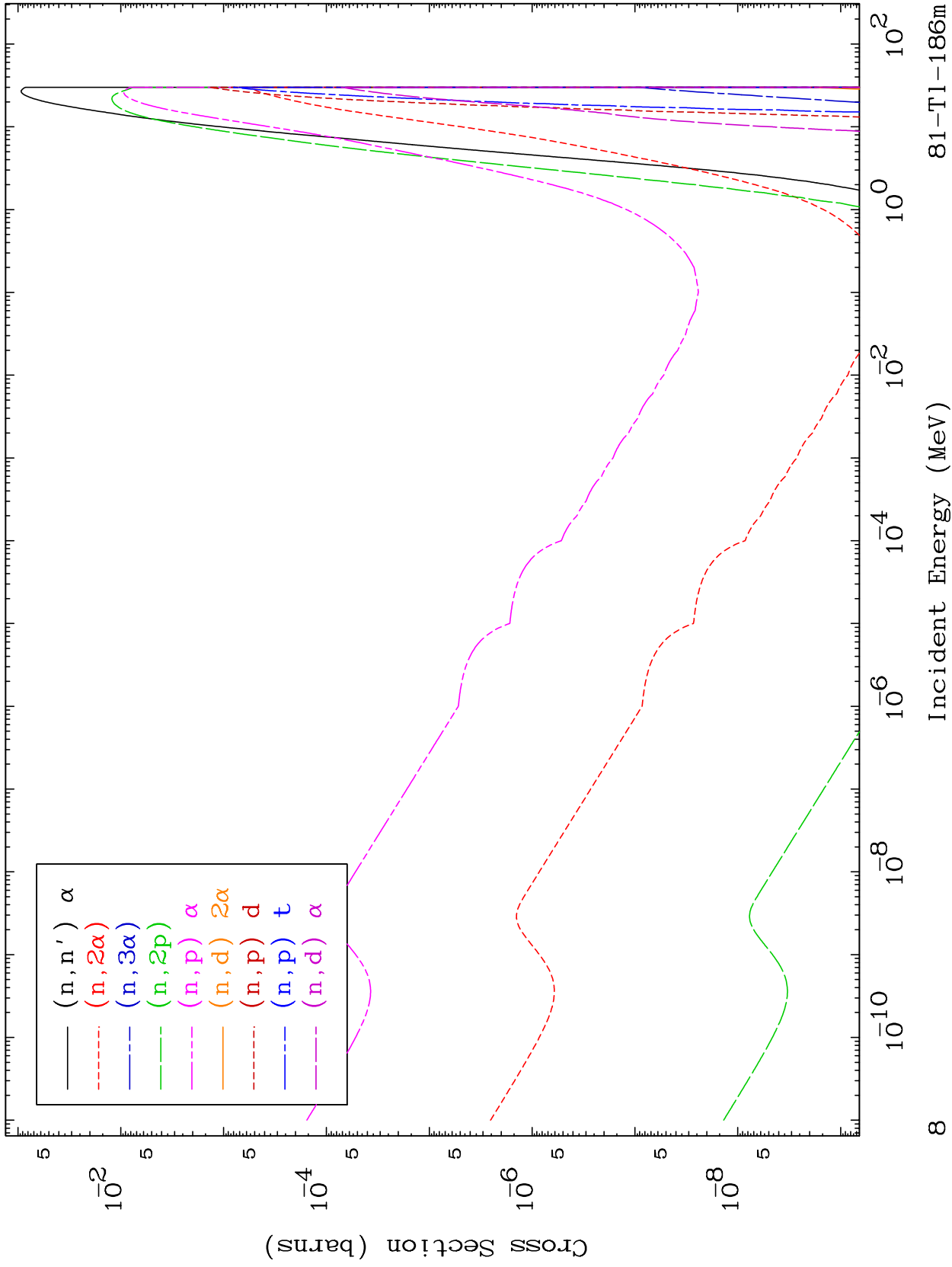
81-Tl-186m



MAT 8075

Charged Particle
293 Kelvin Cross Sections

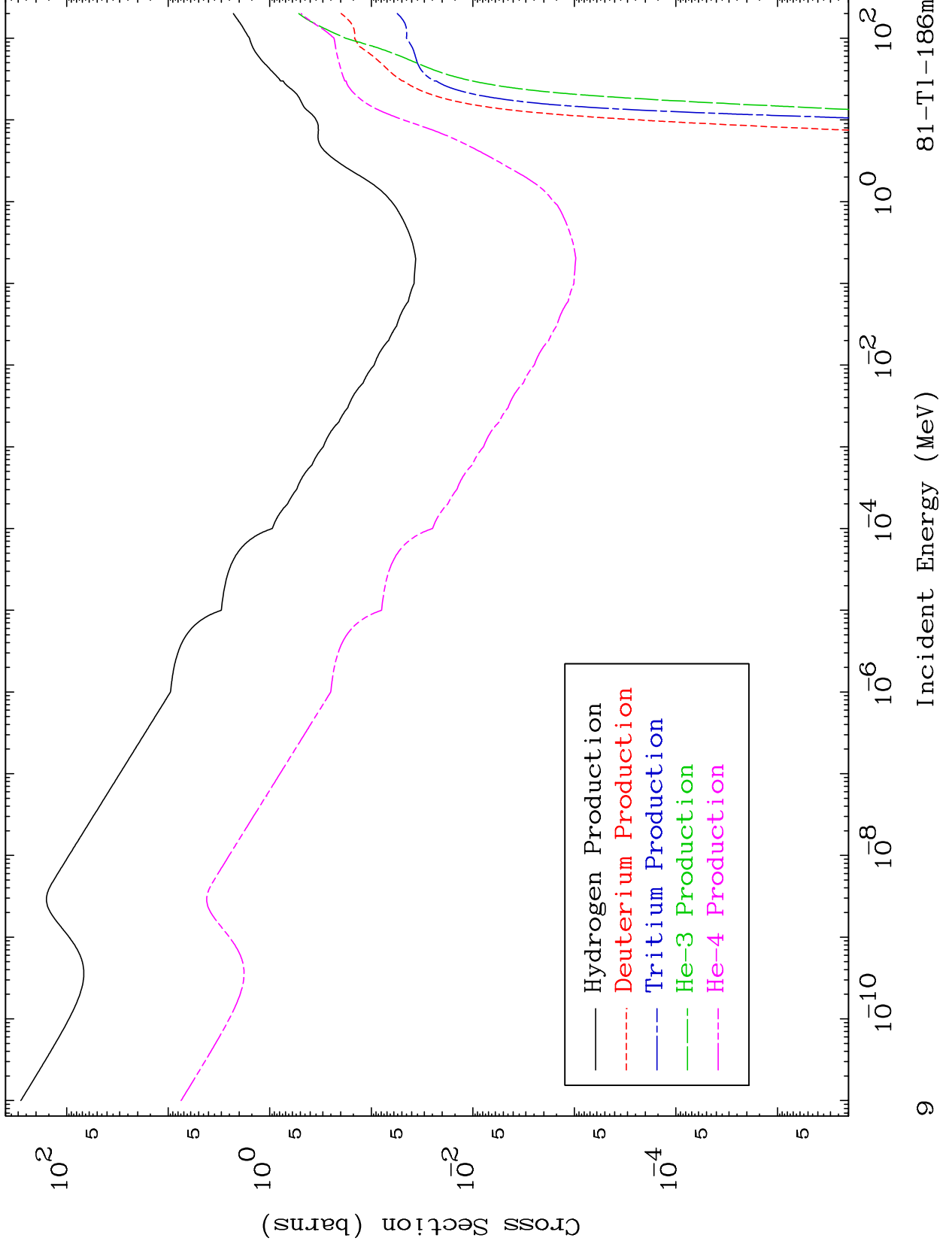
81-Tl-186m



MAT 8075

Particle Production
293 Kelvin Cross Sections

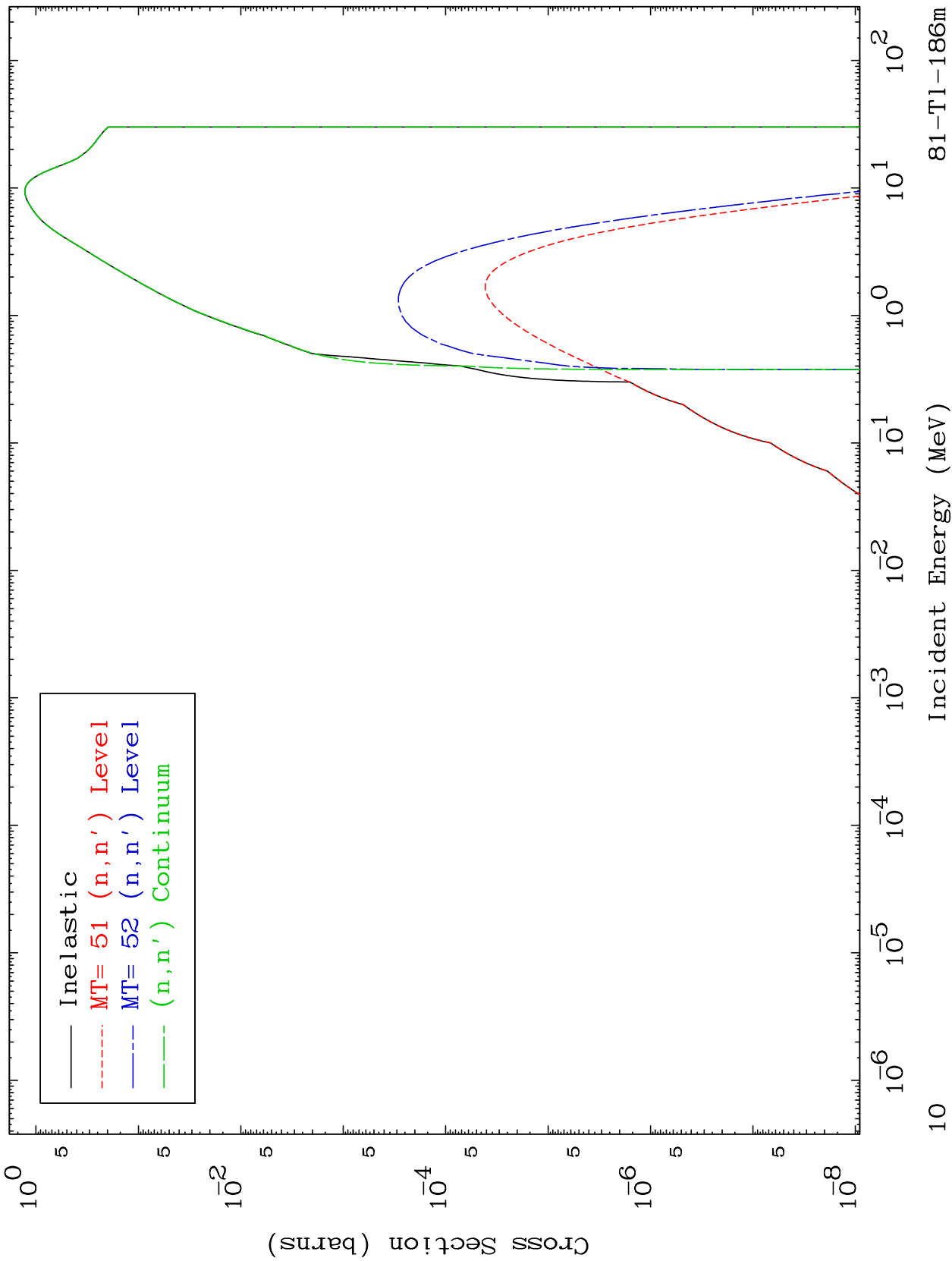
81-Tl-186m



MAT 8075

(n,n') Levels
293 Kelvin Cross Sections

81-Tl-186m

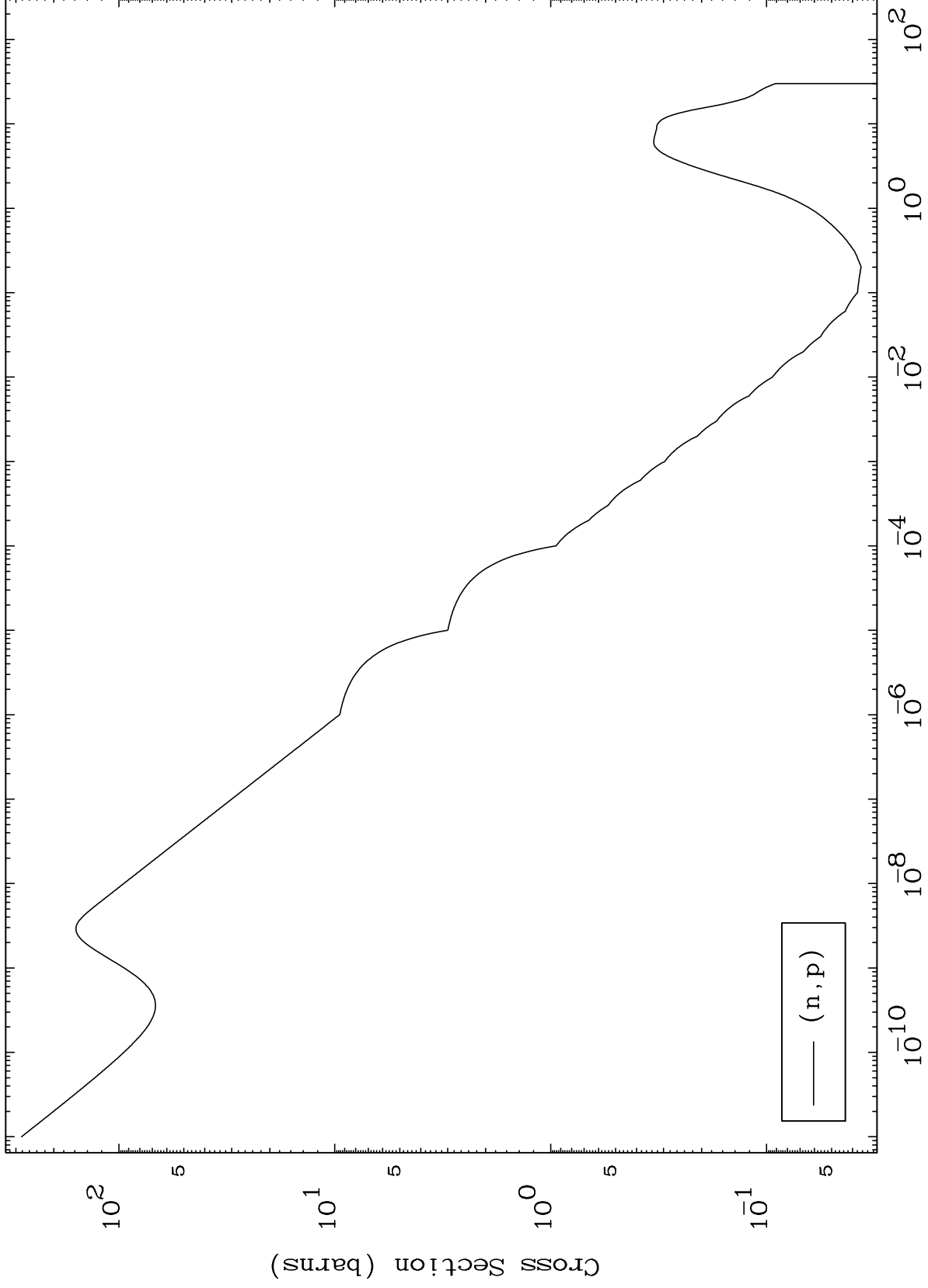


81-Tl-186m

MAT 8075

(n,p) Levels
293 Kelvin Cross Sections

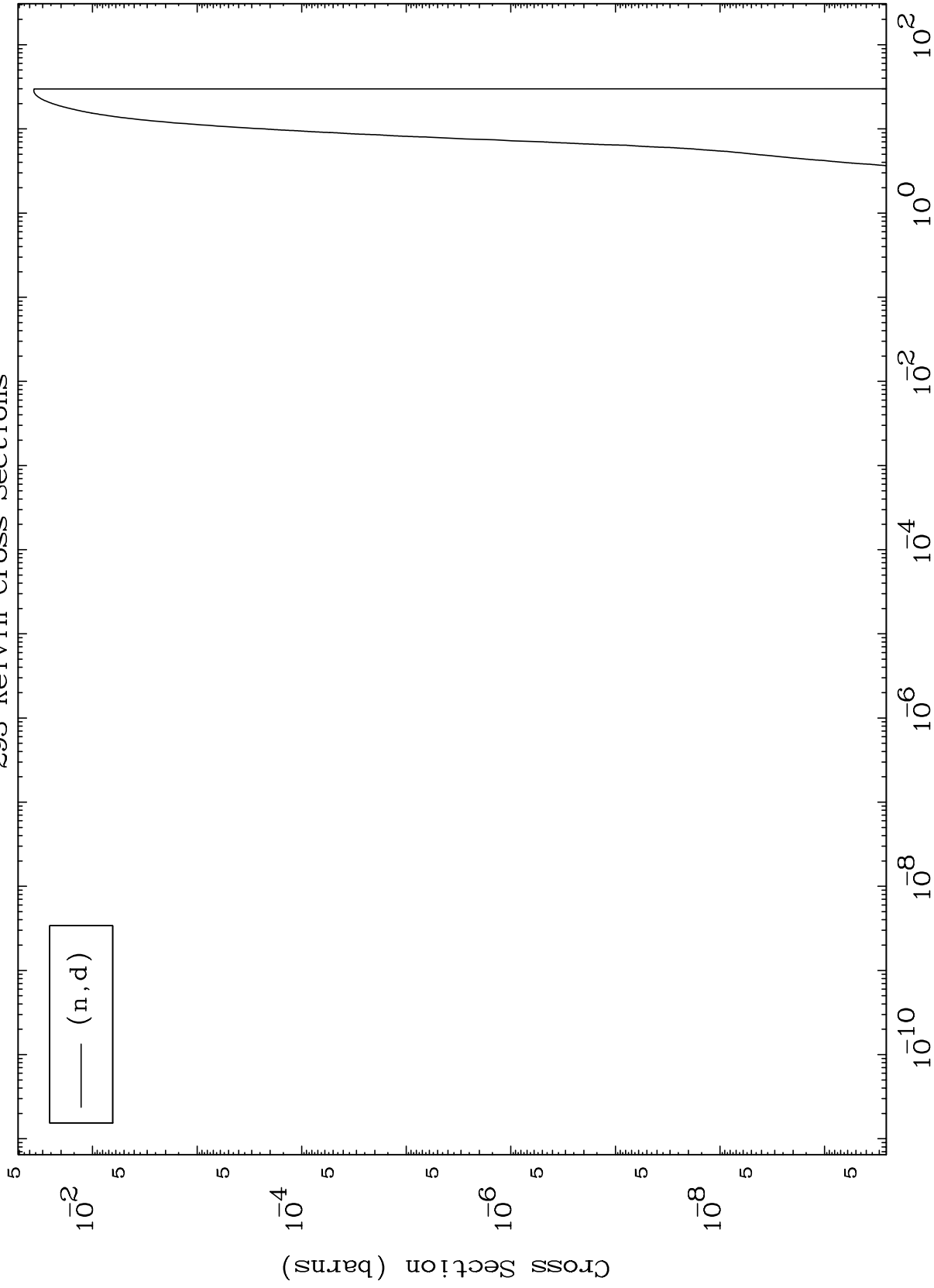
81-Tl-186m



MAT 8075

(n,d) Levels
293 Kelvin Cross Sections

81-Tl-186m



12

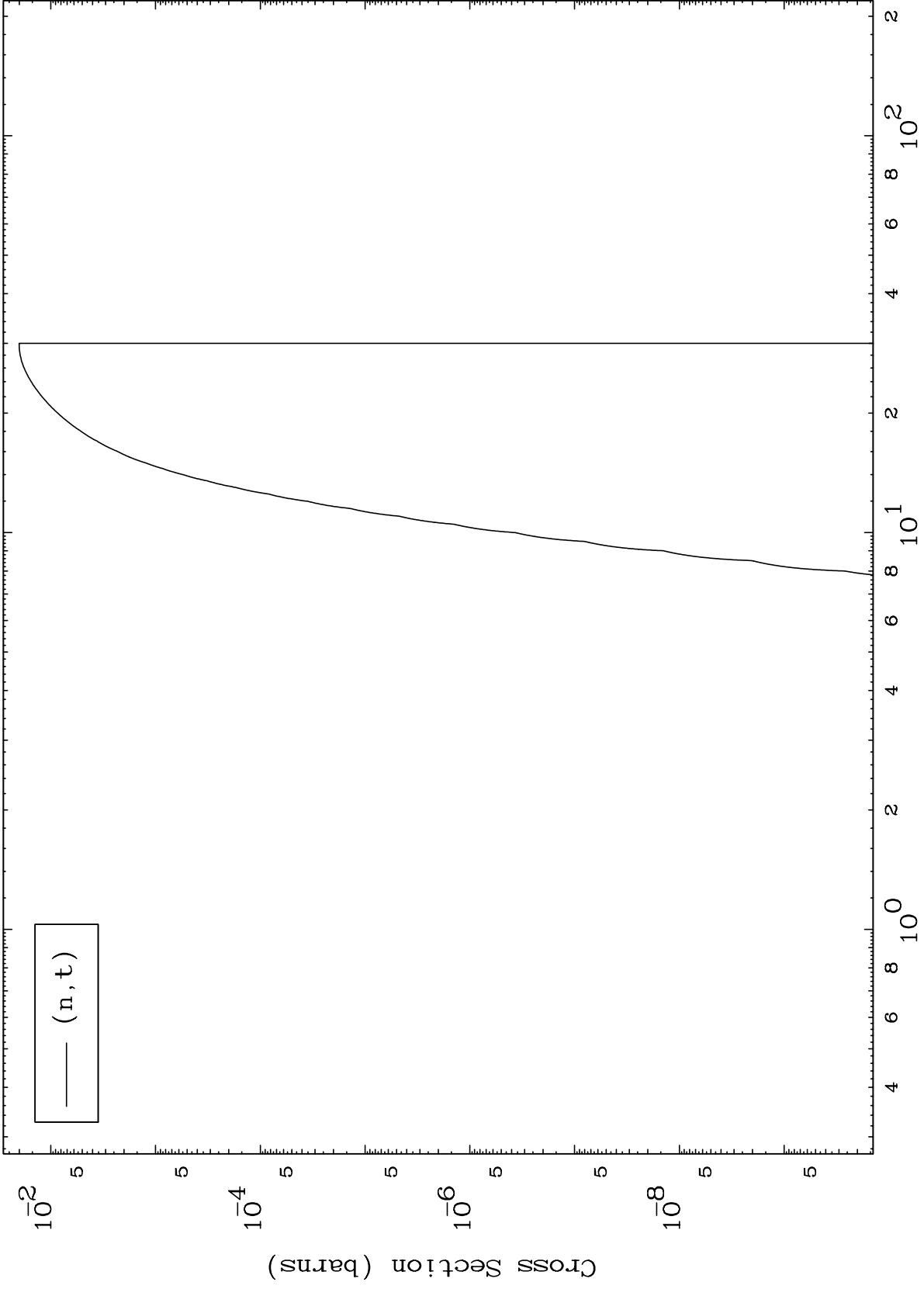
Incident Energy (MeV)

81-Tl-186m

MAT 8075

(n,t) Levels
293 Kelvin Cross Sections

81-Tl-186m

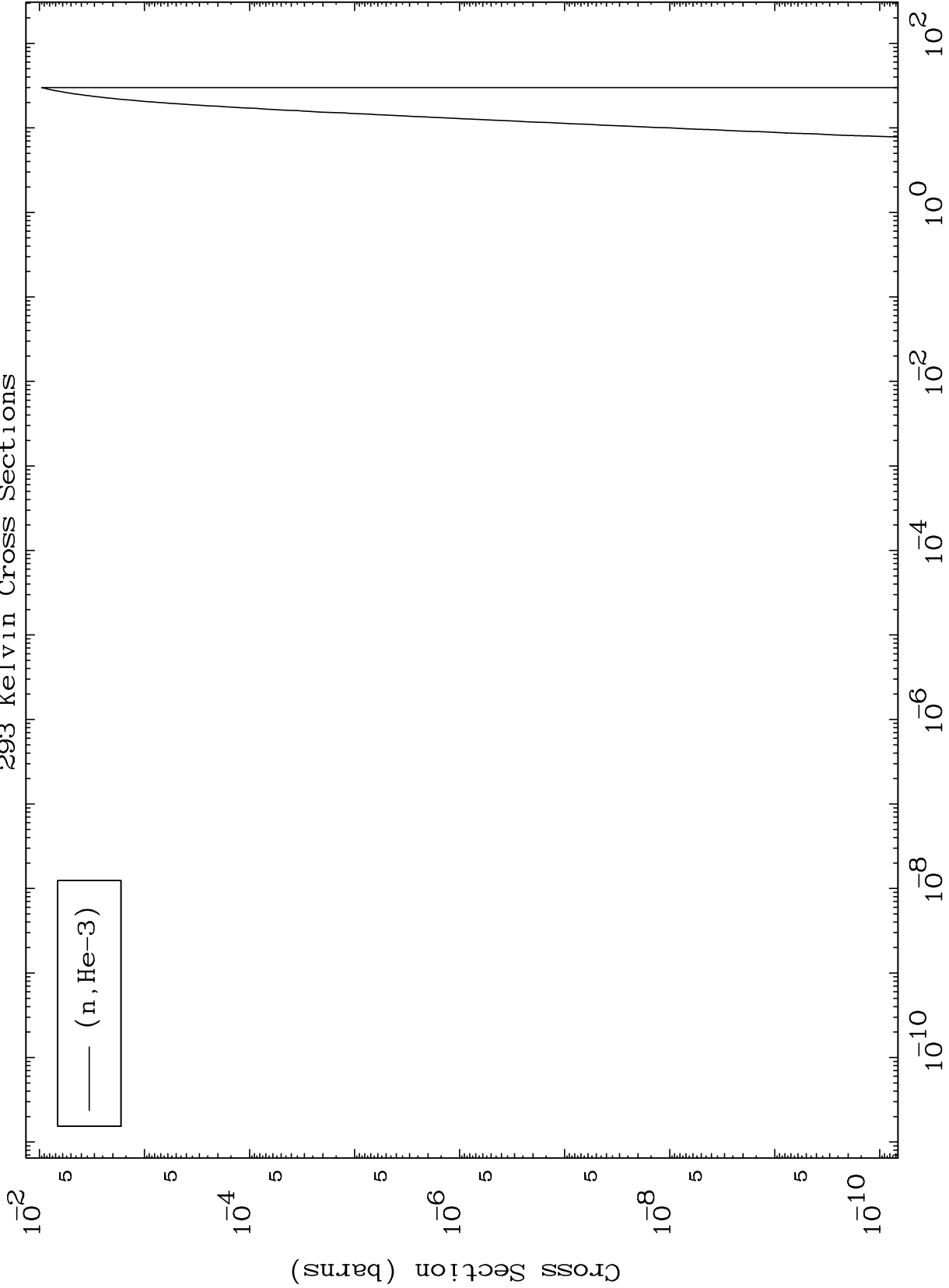


(n,t)

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(n,He3) Levels
293 Kelvin Cross Sections

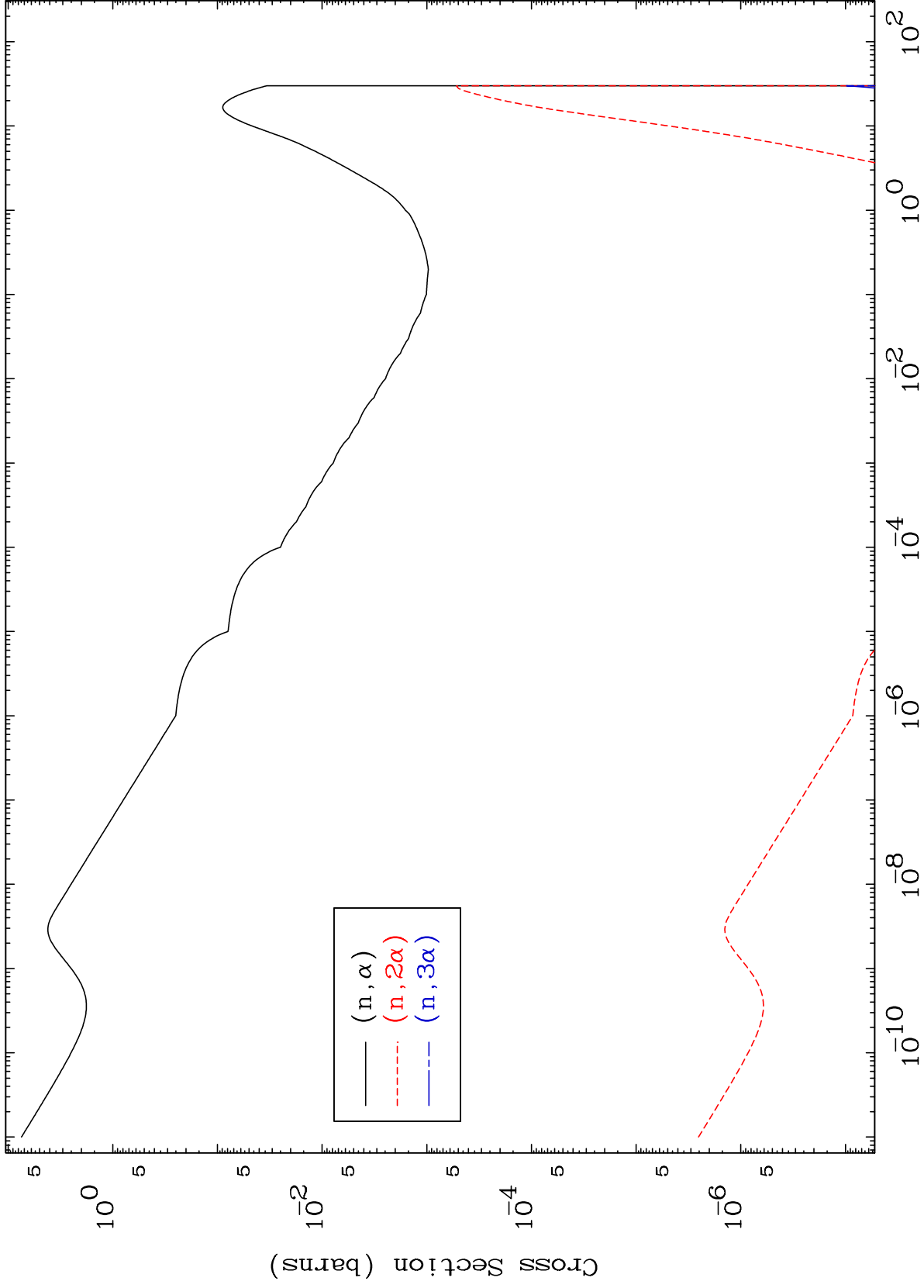
81-Tl-186m



MAT 8075

(n,α) Levels
293 Kelvin Cross Sections

81-Tl-186m



15

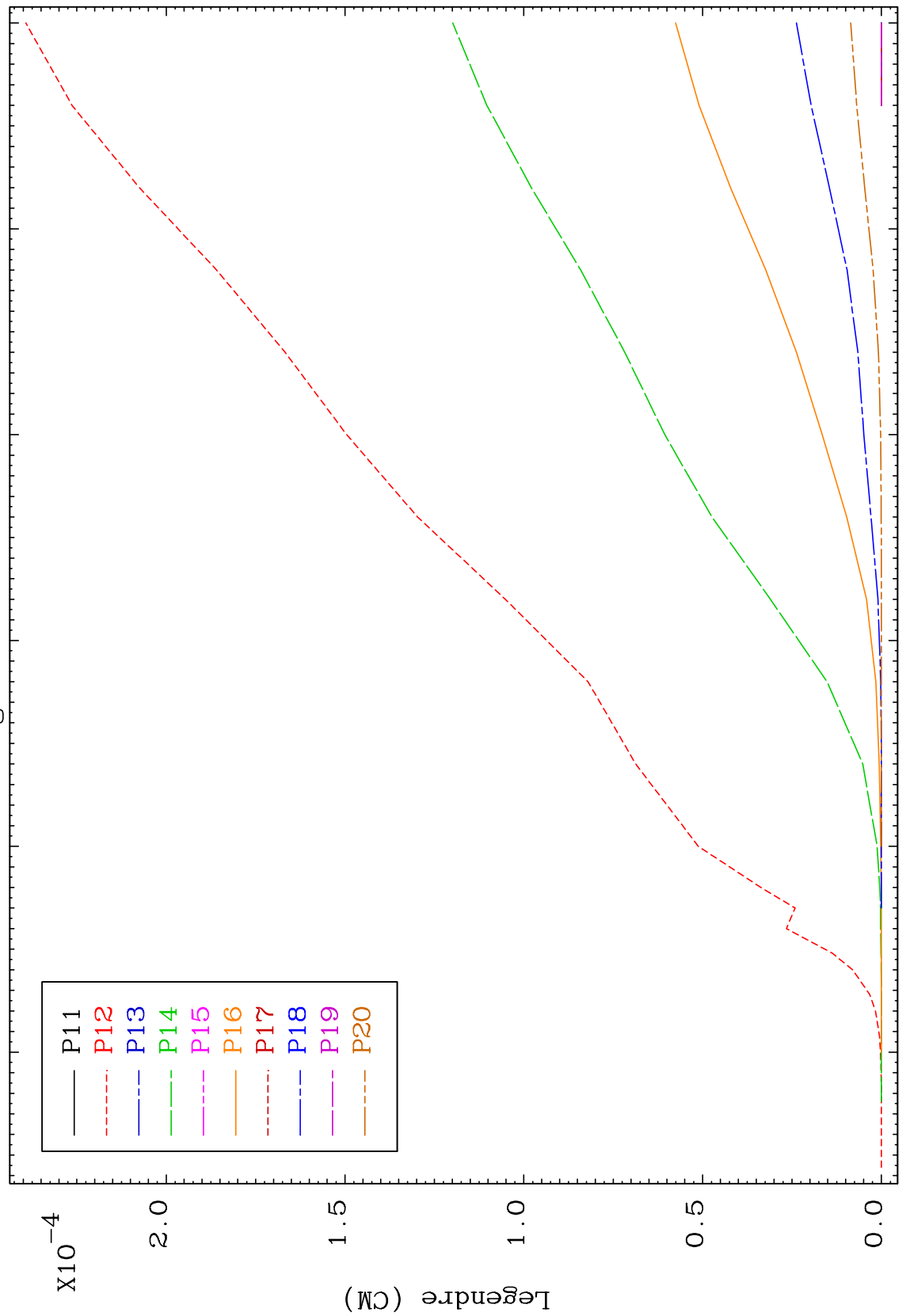
Incident Energy (MeV)

81-Tl-186m

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Elastic Legendre Coefficients

81-Tl-186m



17

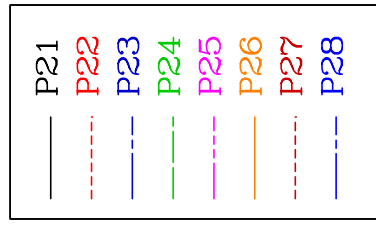
81-Tl-186m

Incident Energy (MeV)

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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

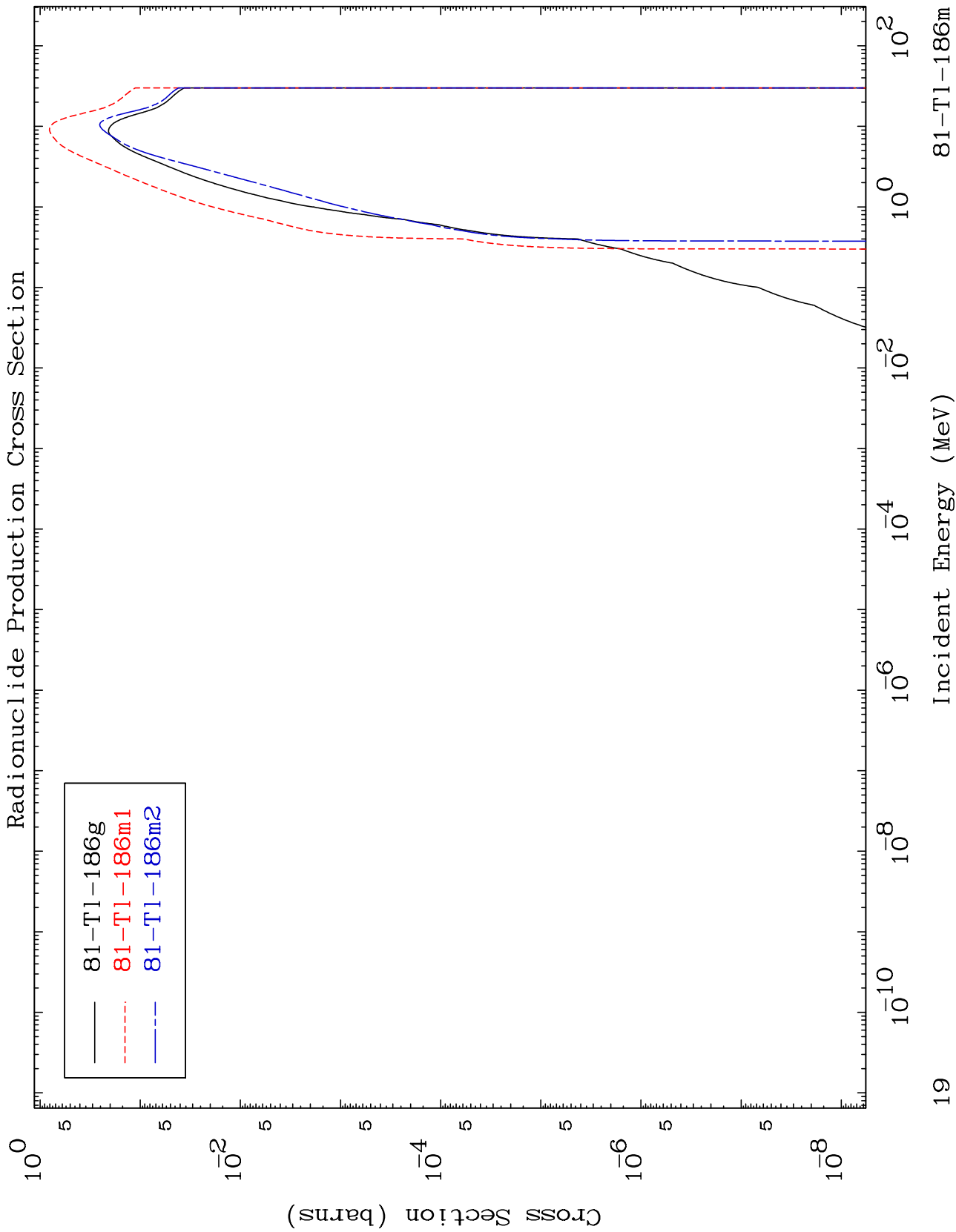
Incident Energy (MeV)

81-Tl-186m

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Inelastic
Radionuclide Production Cross Section

81-Tl-186m

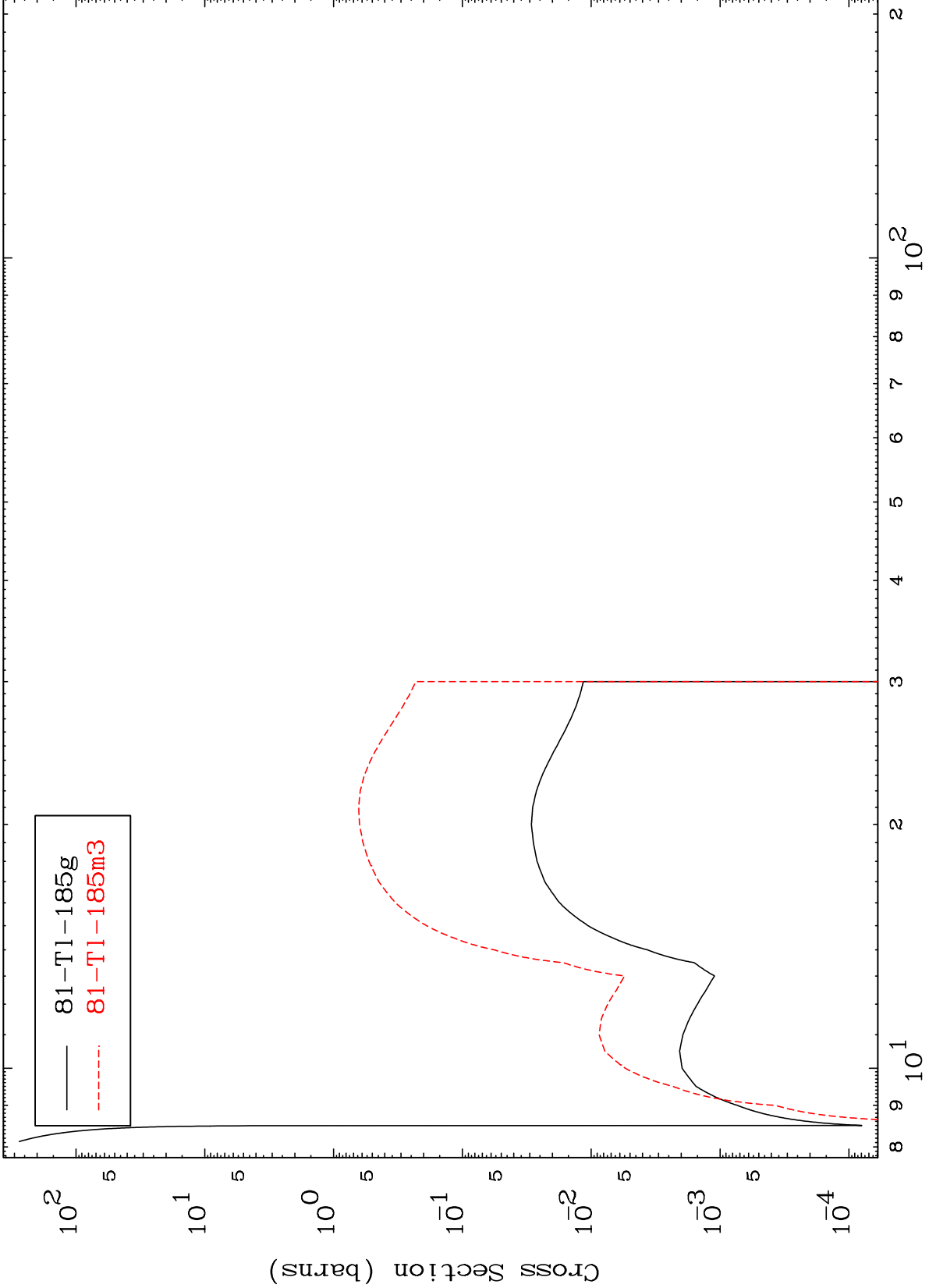


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(n,2n)

81-Tl-186m

Radionuclide Production Cross Section



Incident Energy (MeV)

81-Tl-186m

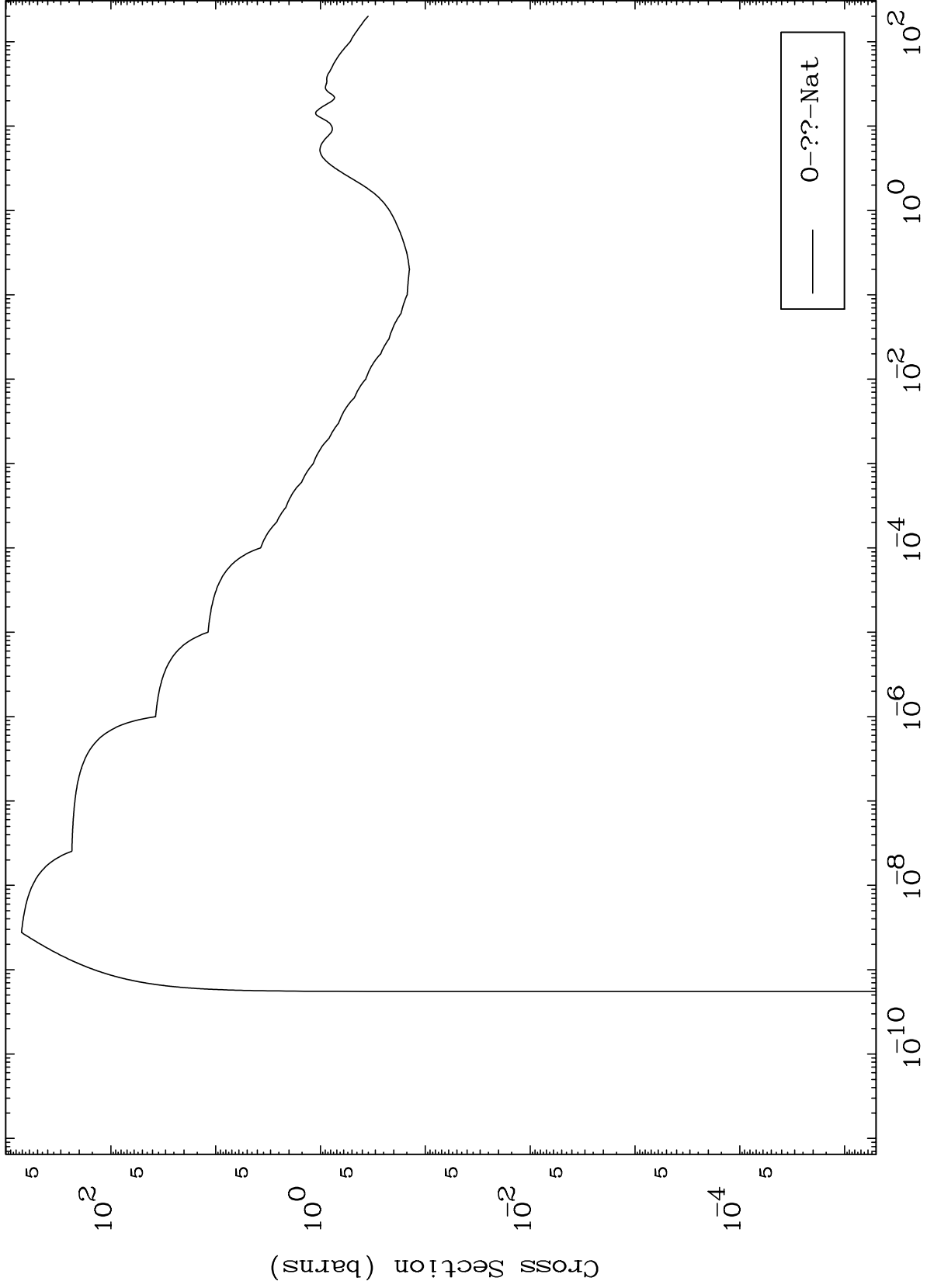
20

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Fission

81-Tl-186m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

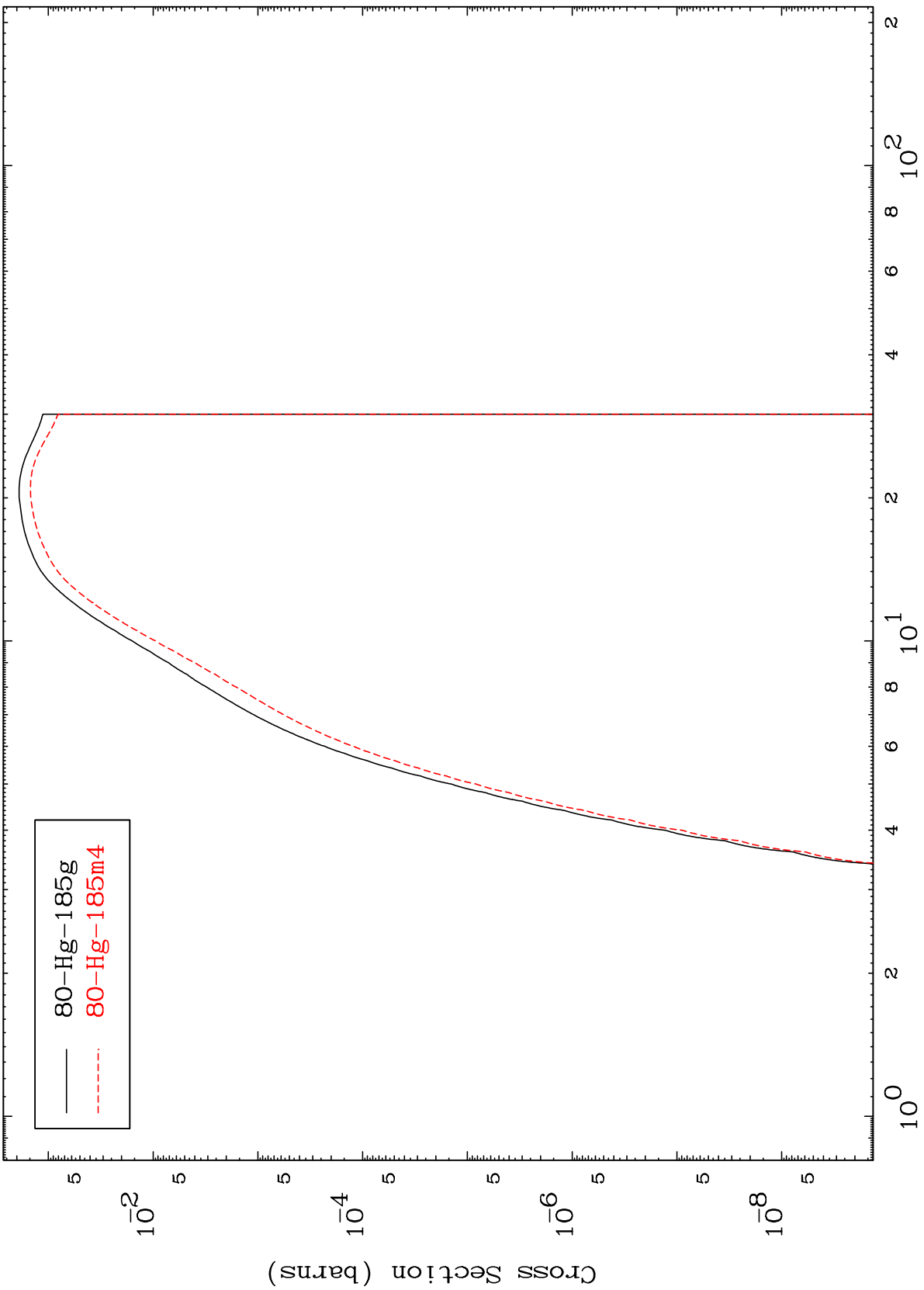
81-Tl-186m

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(n,n') p

81-Tl-186m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

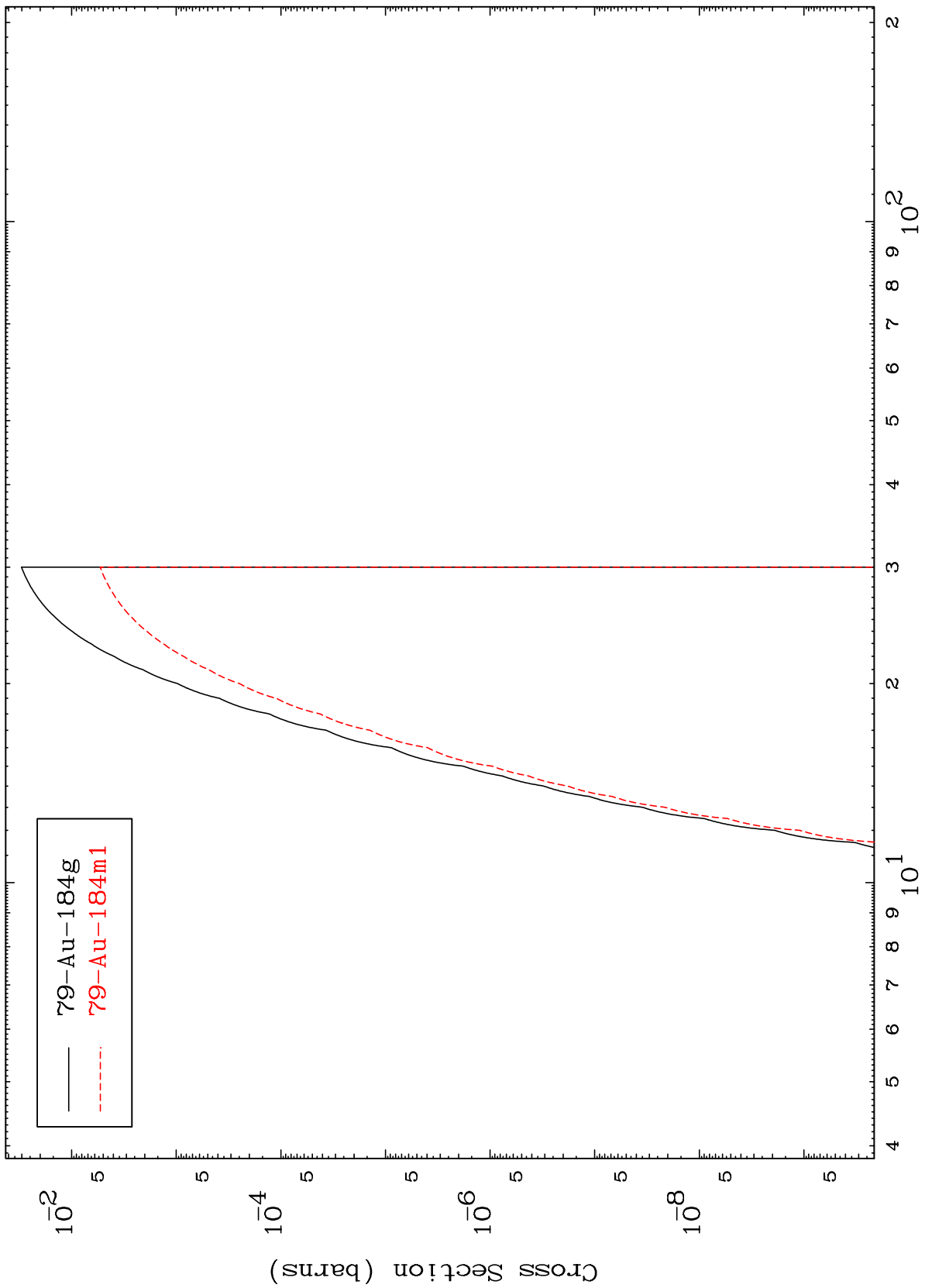
81-Tl-186m

MAT 8075

(n,2n) p

81-Tl-186m

Radionuclide Production Cross Section



23

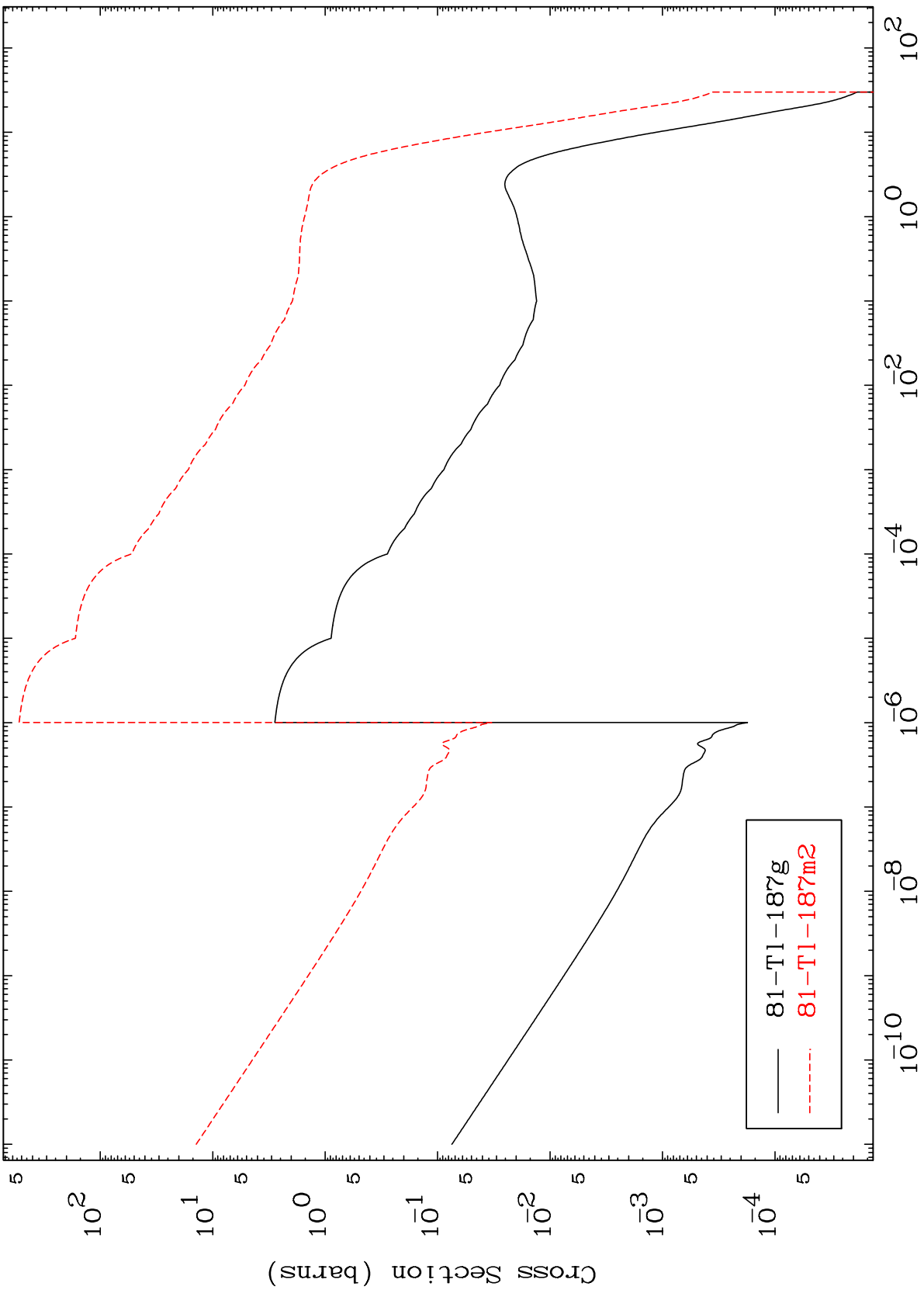
Incident Energy (MeV)

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

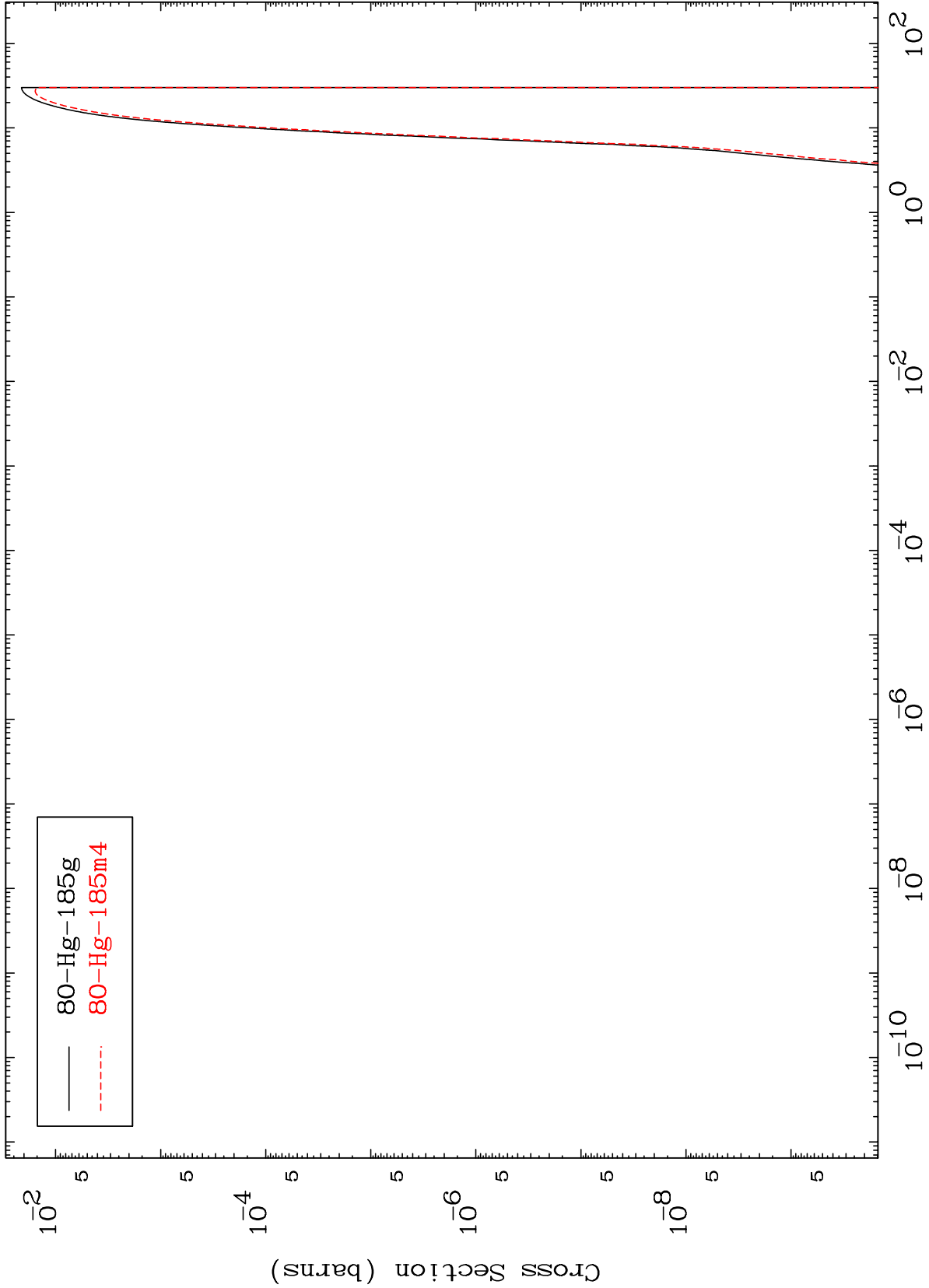
24

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(n,d)

81-Tl-186m

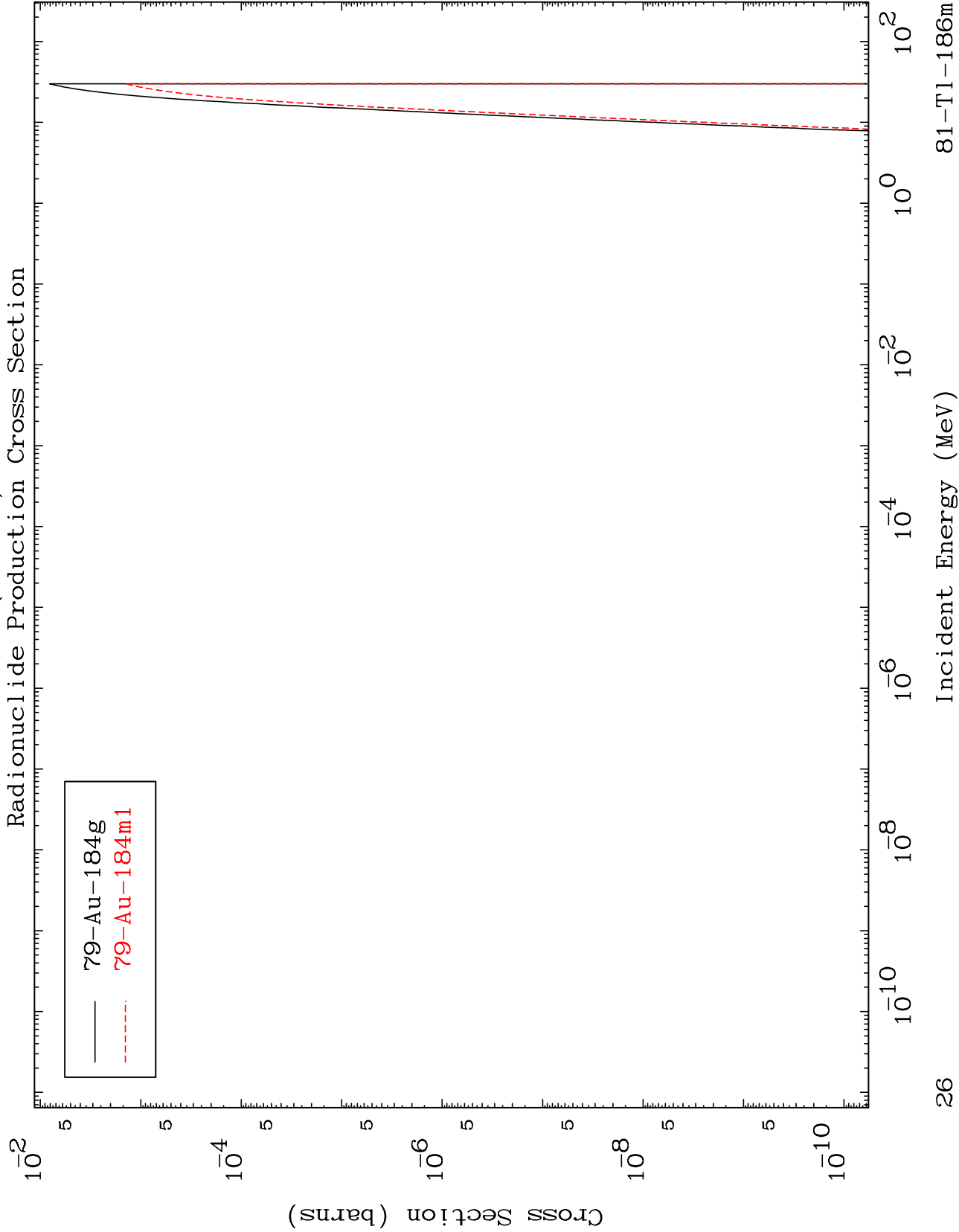
Radionuclide Production Cross Section



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(n,He-3)

81-Tl-186m

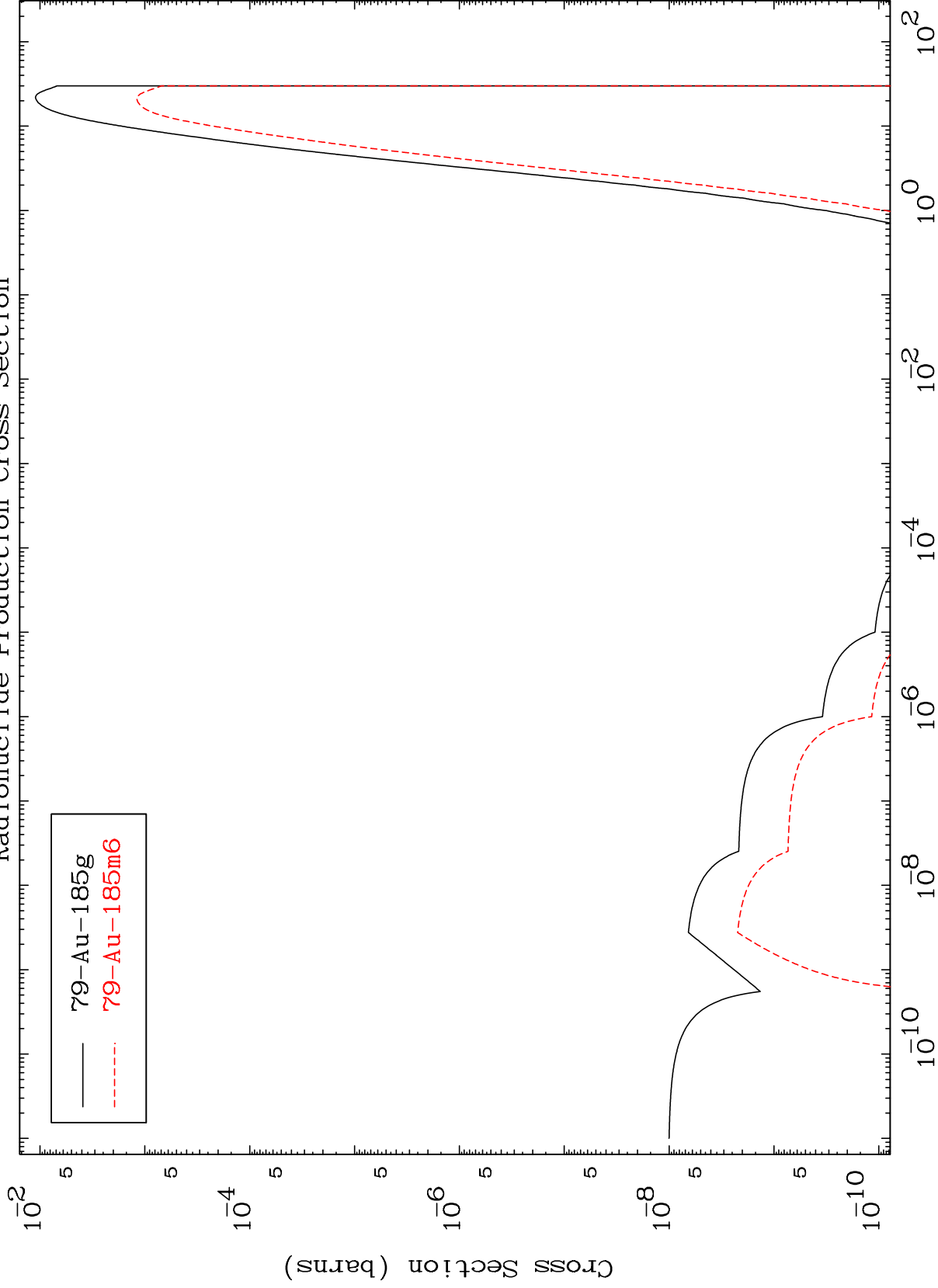


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(n,2p)

81-Tl-186m

Radionuclide Production Cross Section



27

Incident Energy (MeV)

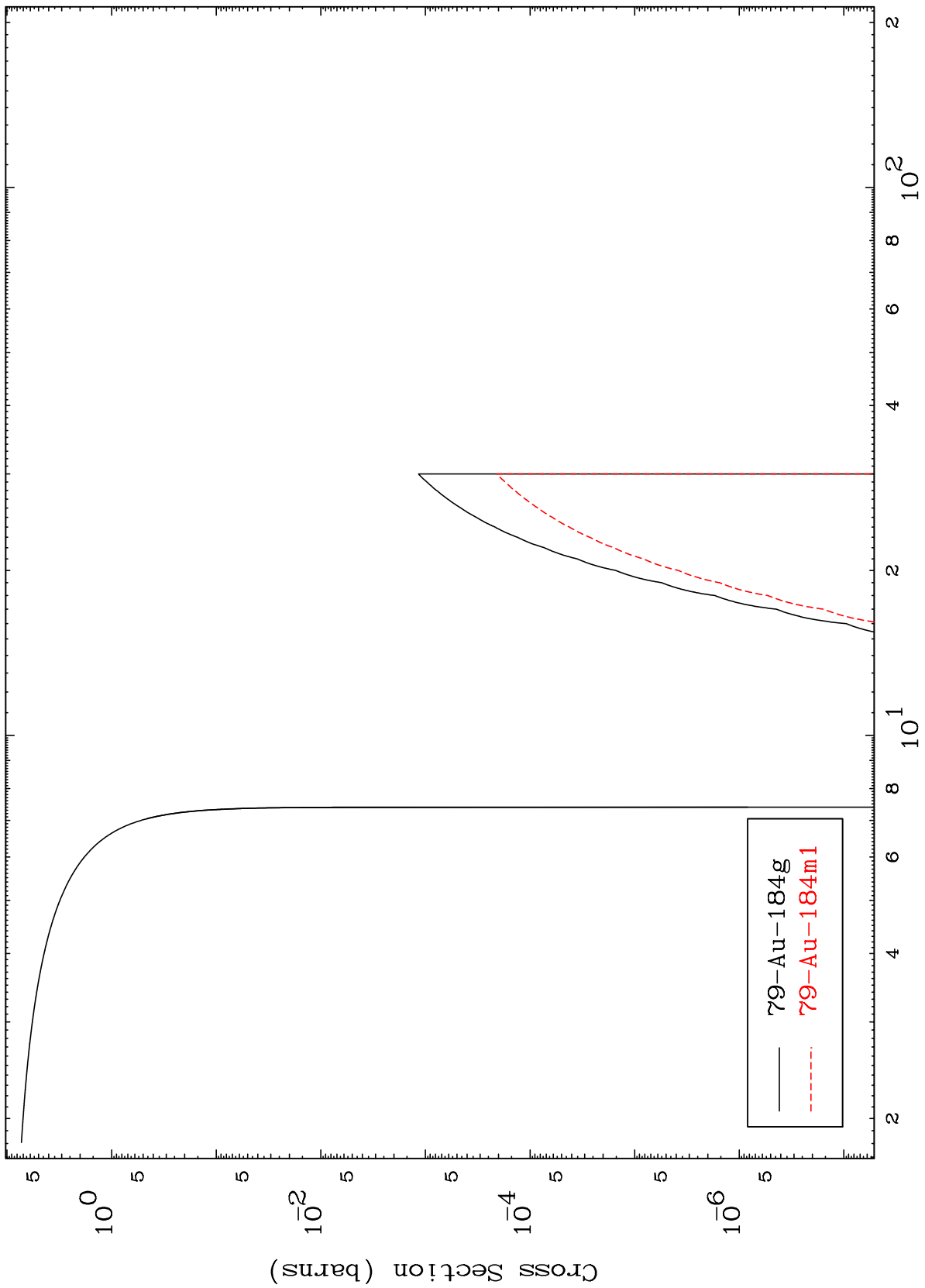
81-Tl-186m

MAT 8075

(n,p) d

81-Tl-186m

Radionuclide Production Cross Section



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