

Program EVALPLOT
(Version 2018-1)

by

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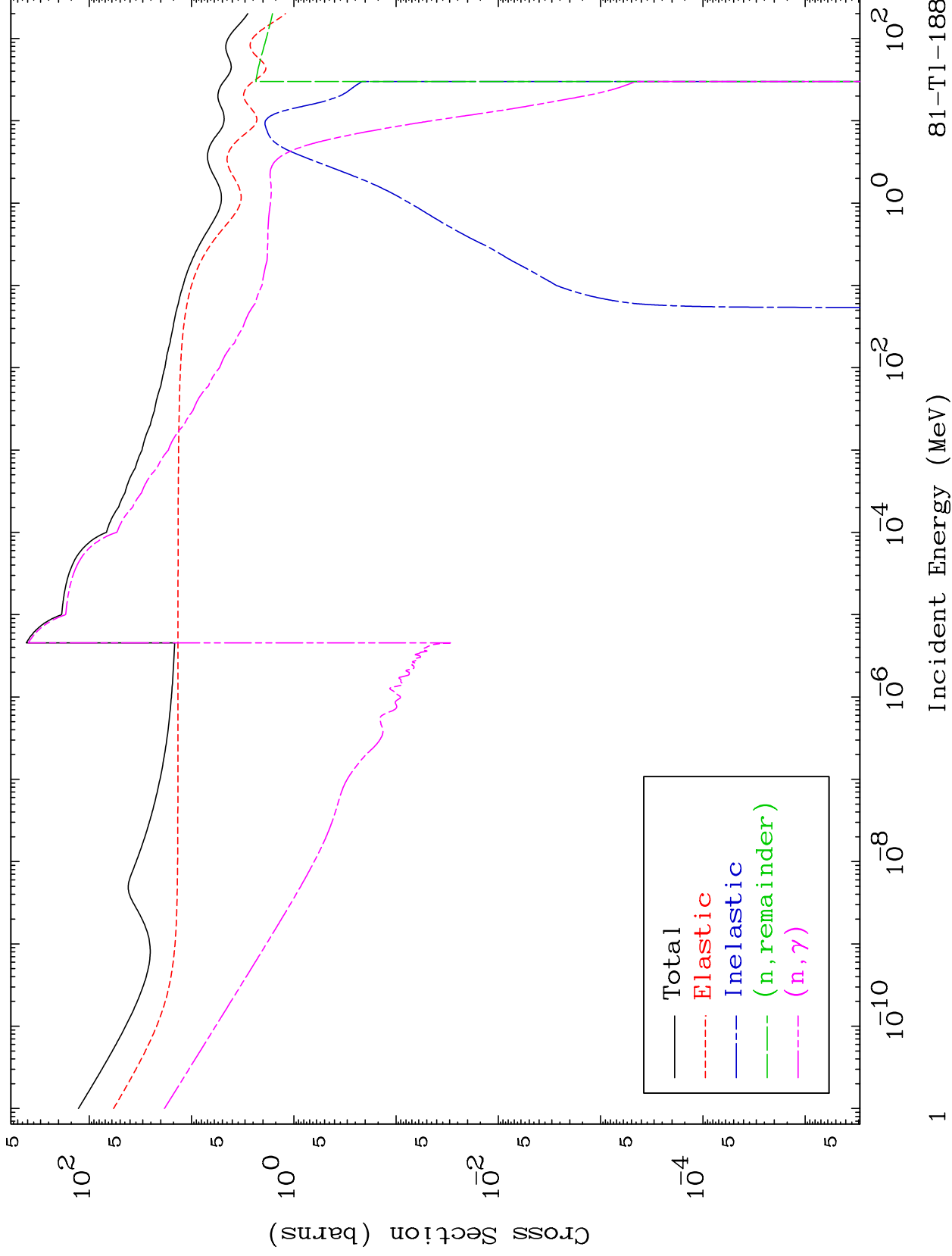
Press Mouse Button to Start

MAT 8081

Major

293 Kelvin Cross Sections

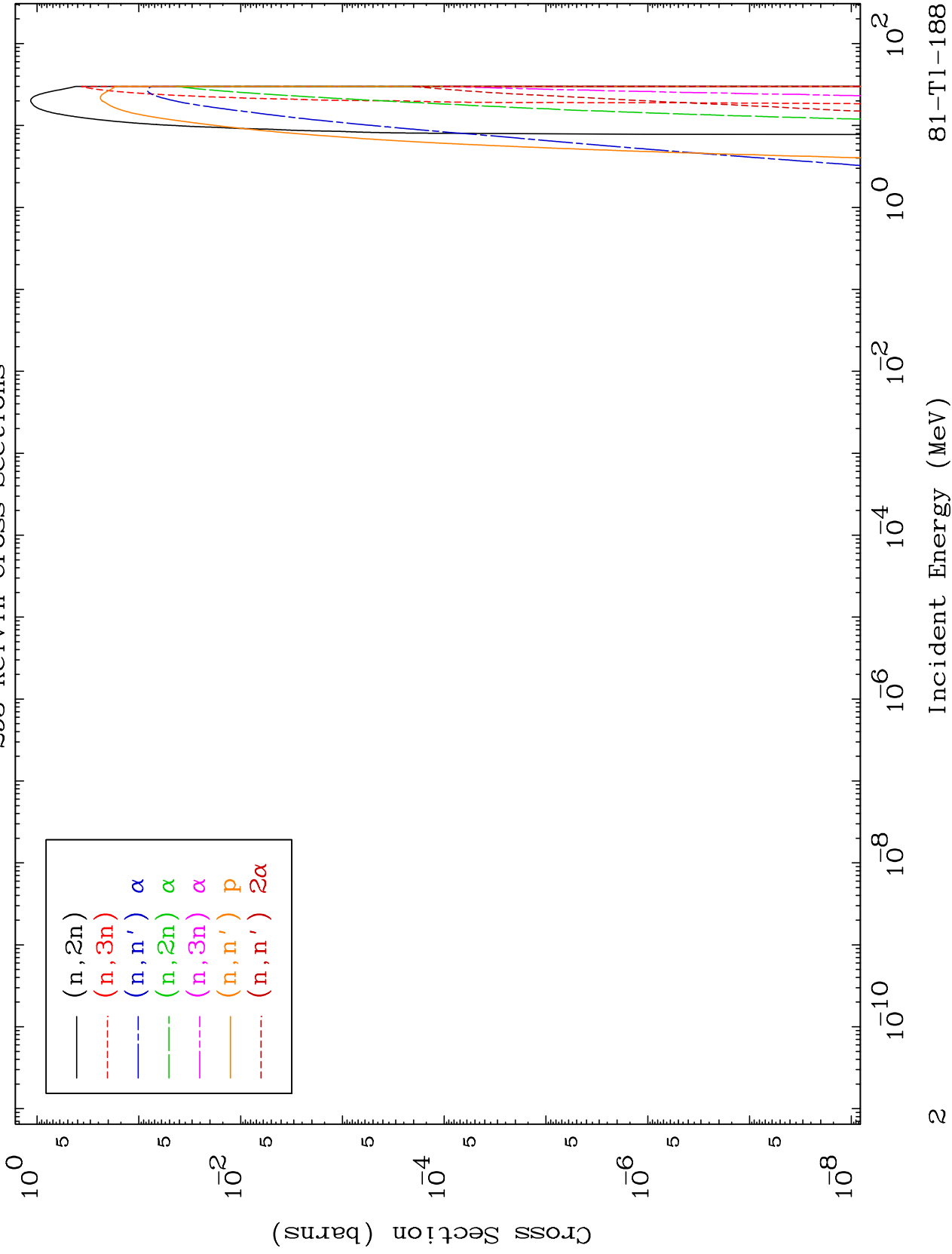
81-Tl-188



MAT 8081

Neutron Production
293 Kelvin Cross Sections

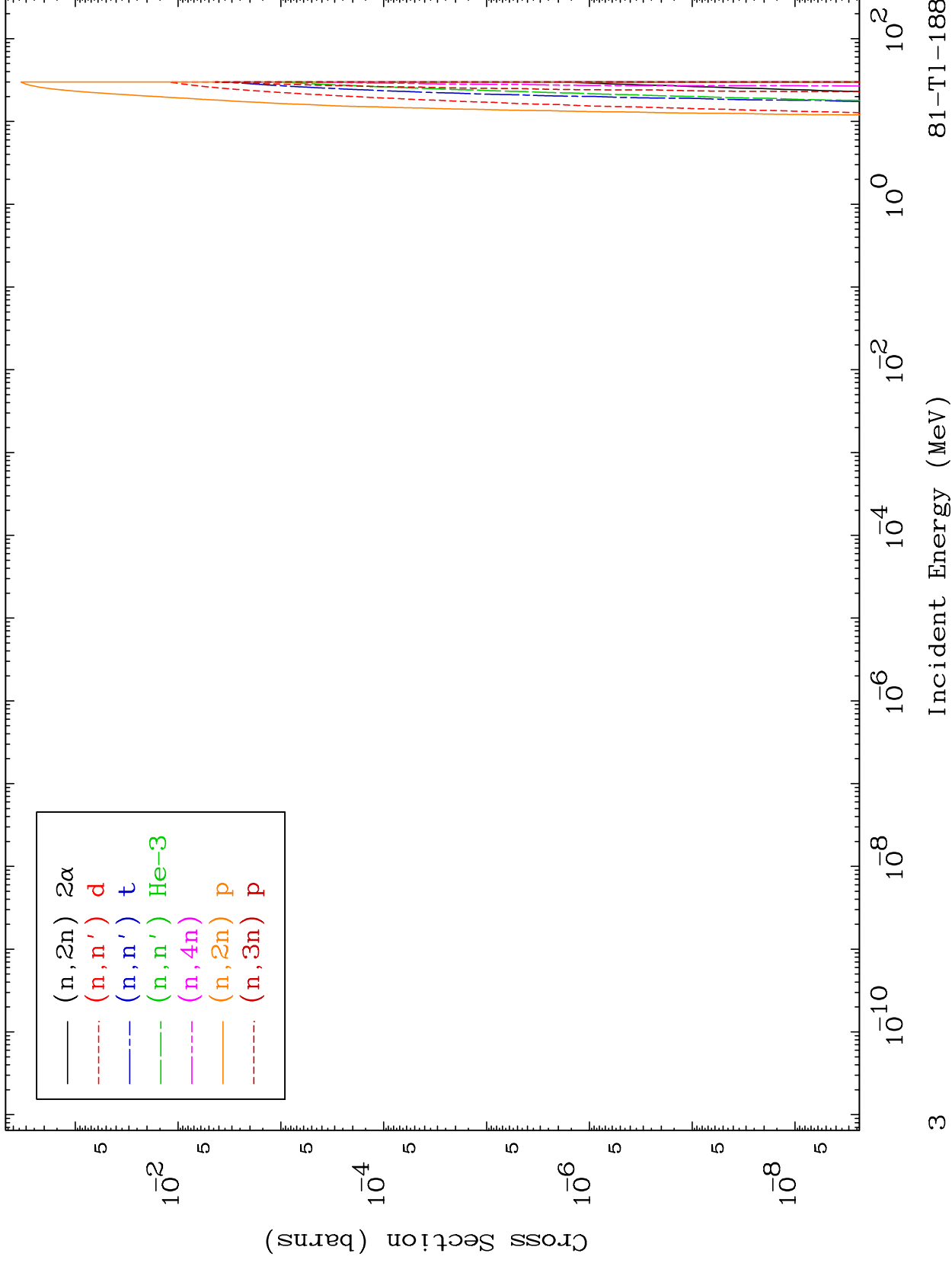
81-Tl-188



MAT 8081

Neutron Production
293 Kelvin Cross Sections

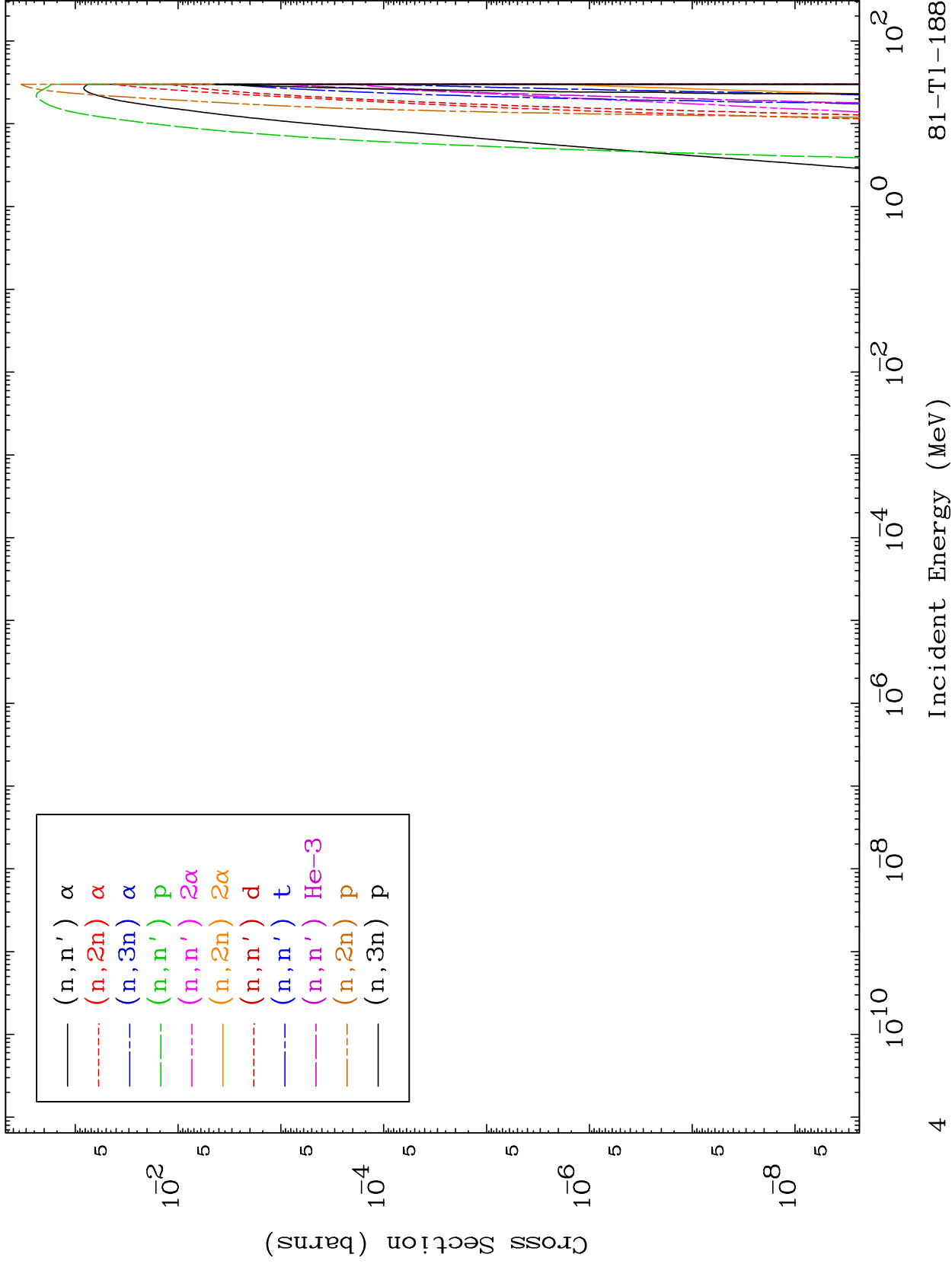
81-Tl-188



MAT 8081

Charged Particle
293 Kelvin Cross Sections

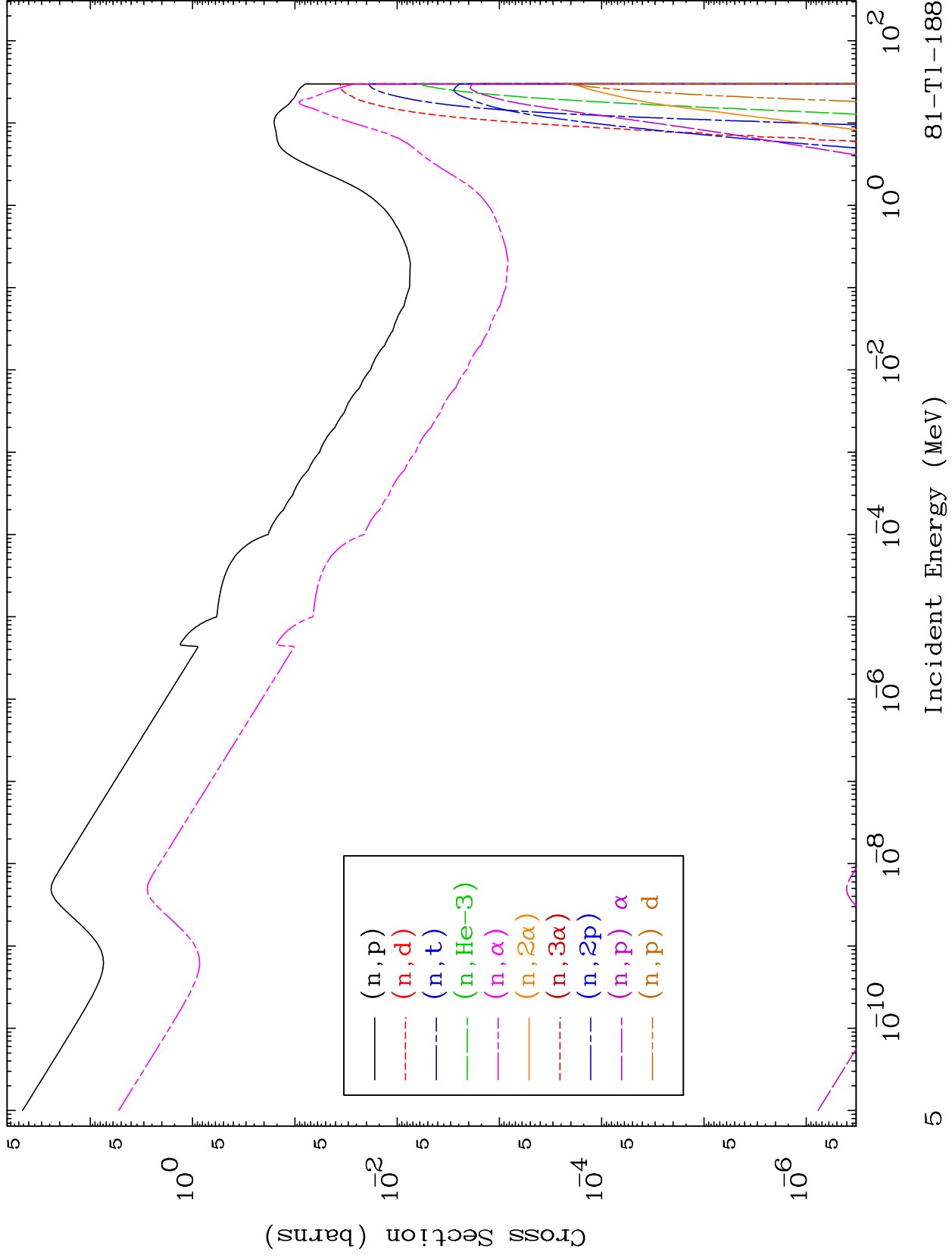
81-Tl-188



MAT 8081

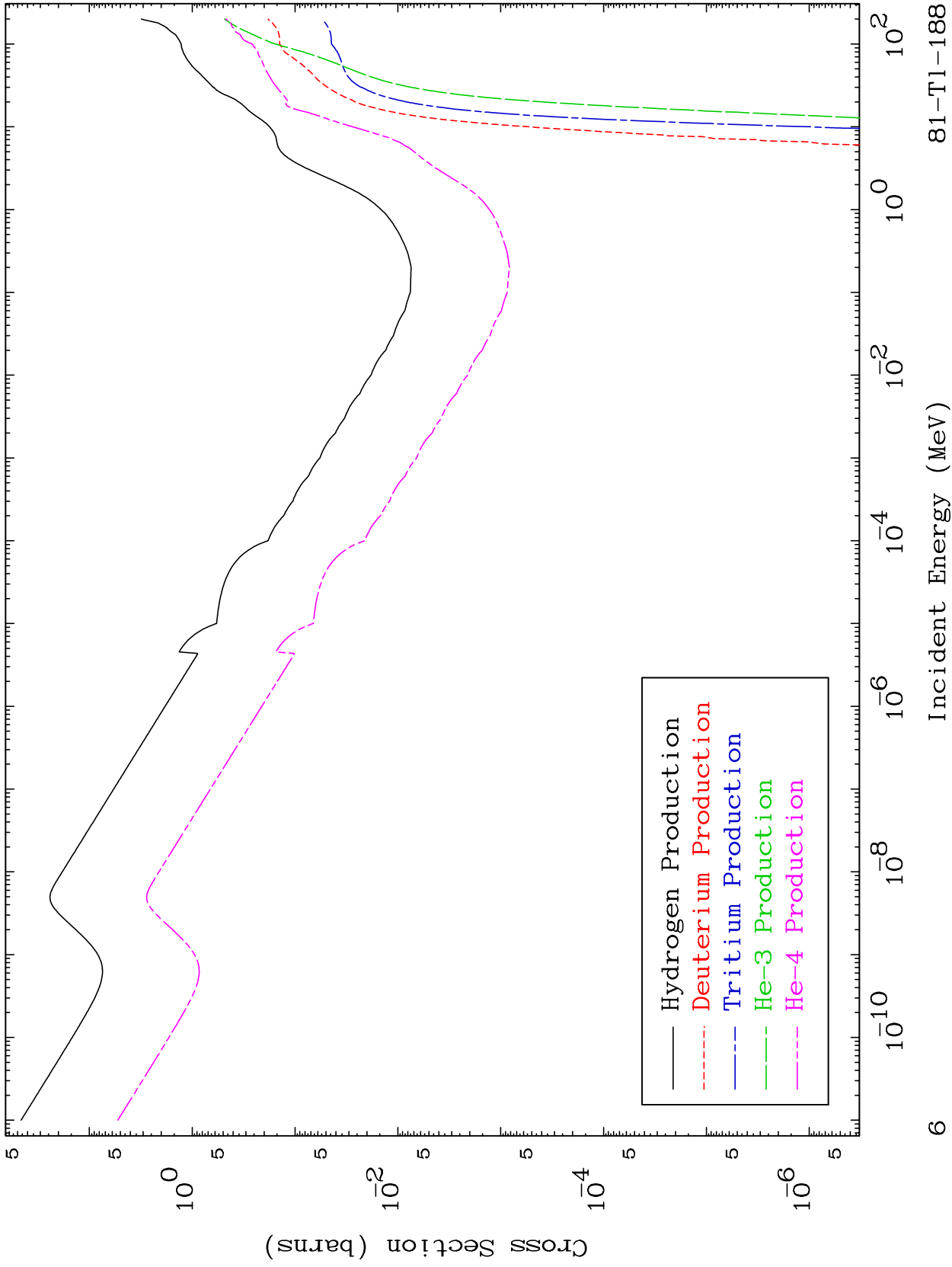
Charged Particle
293 Kelvin Cross Sections

81-Tl-188



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81-Tl-188

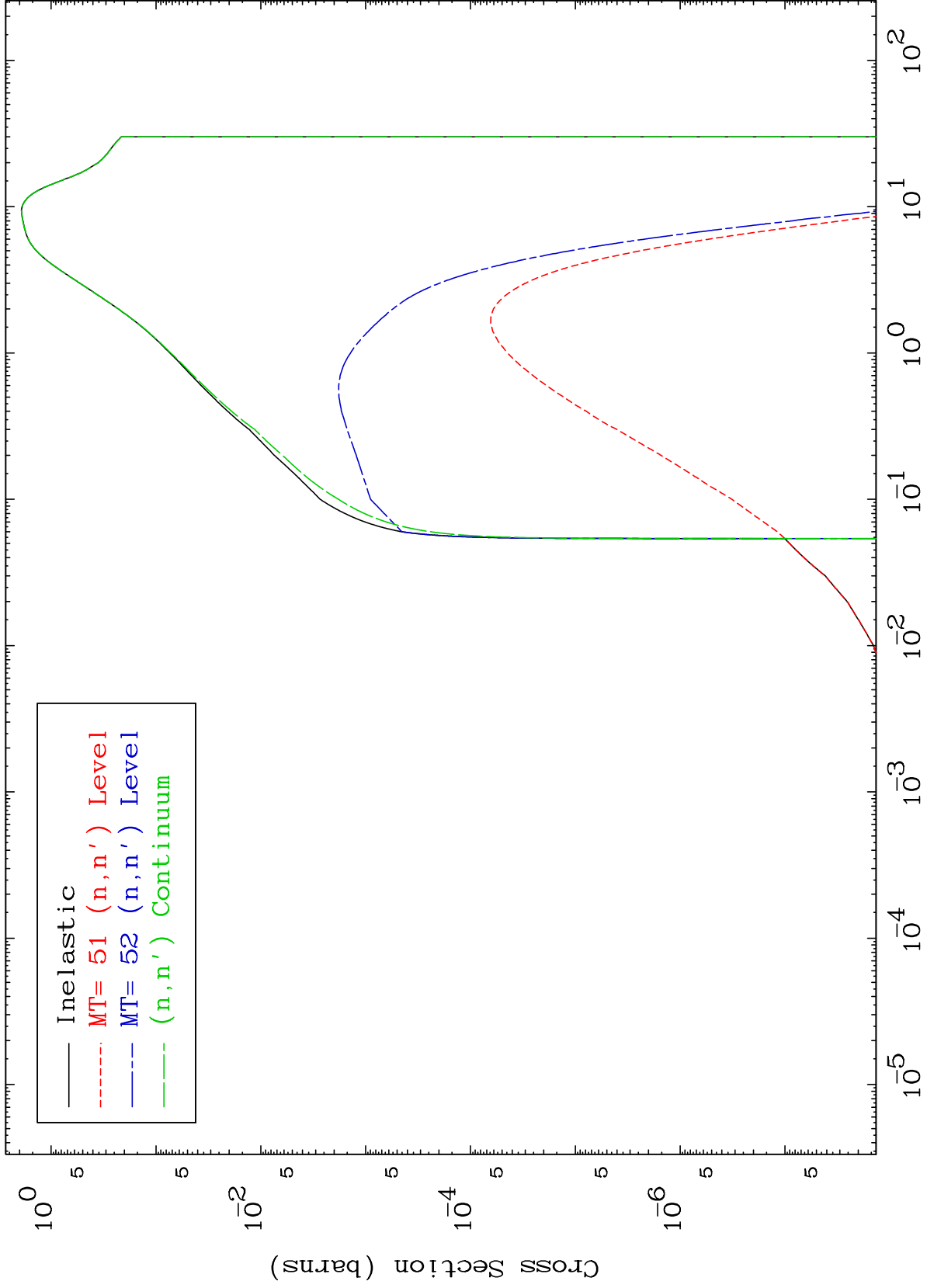


MAT 8081

(n,n') Level

81-Tl-188

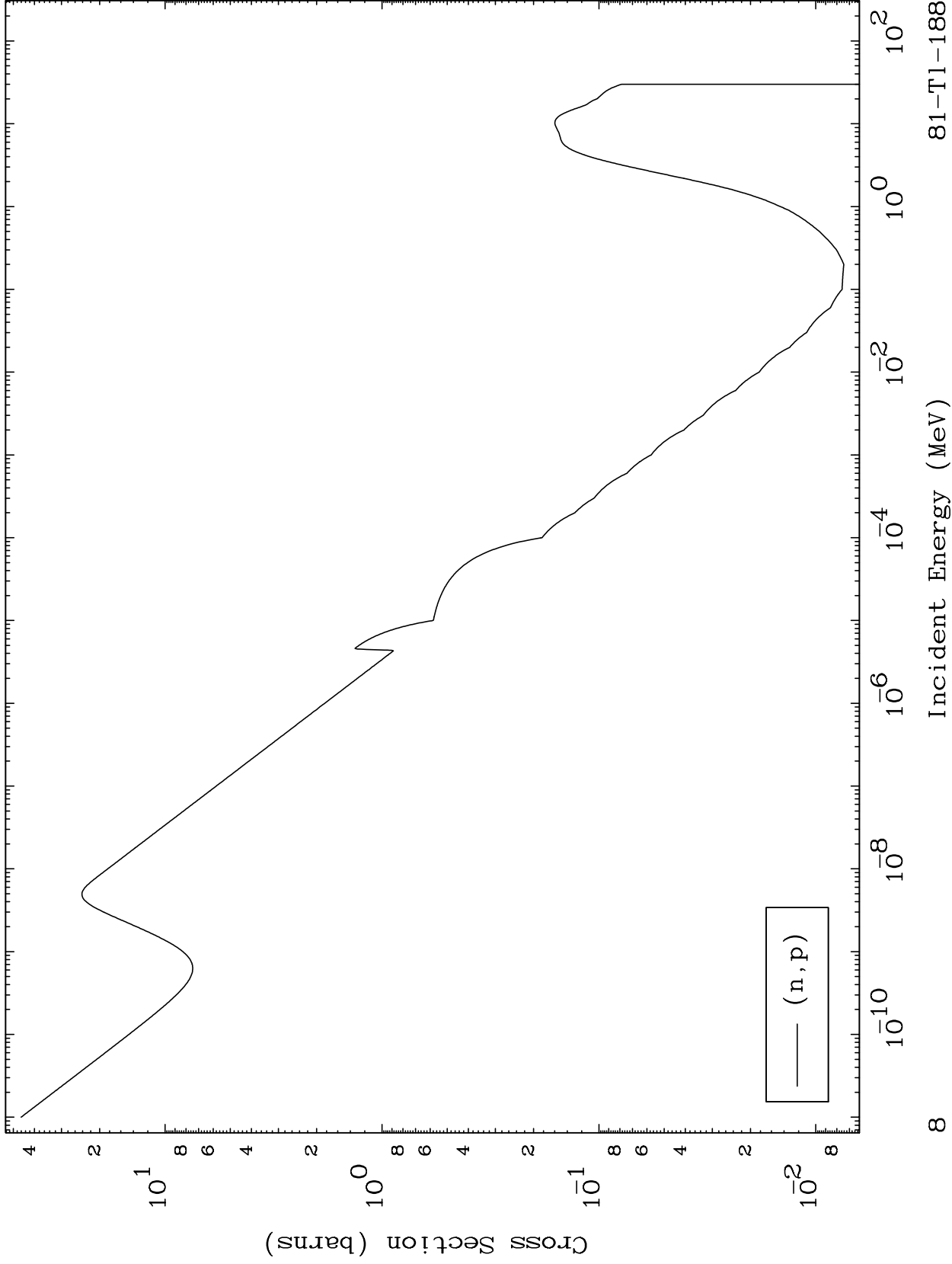
293 Kelvin Cross Sections



MAT 8081

(n,p) Levels
293 Kelvin Cross Sections

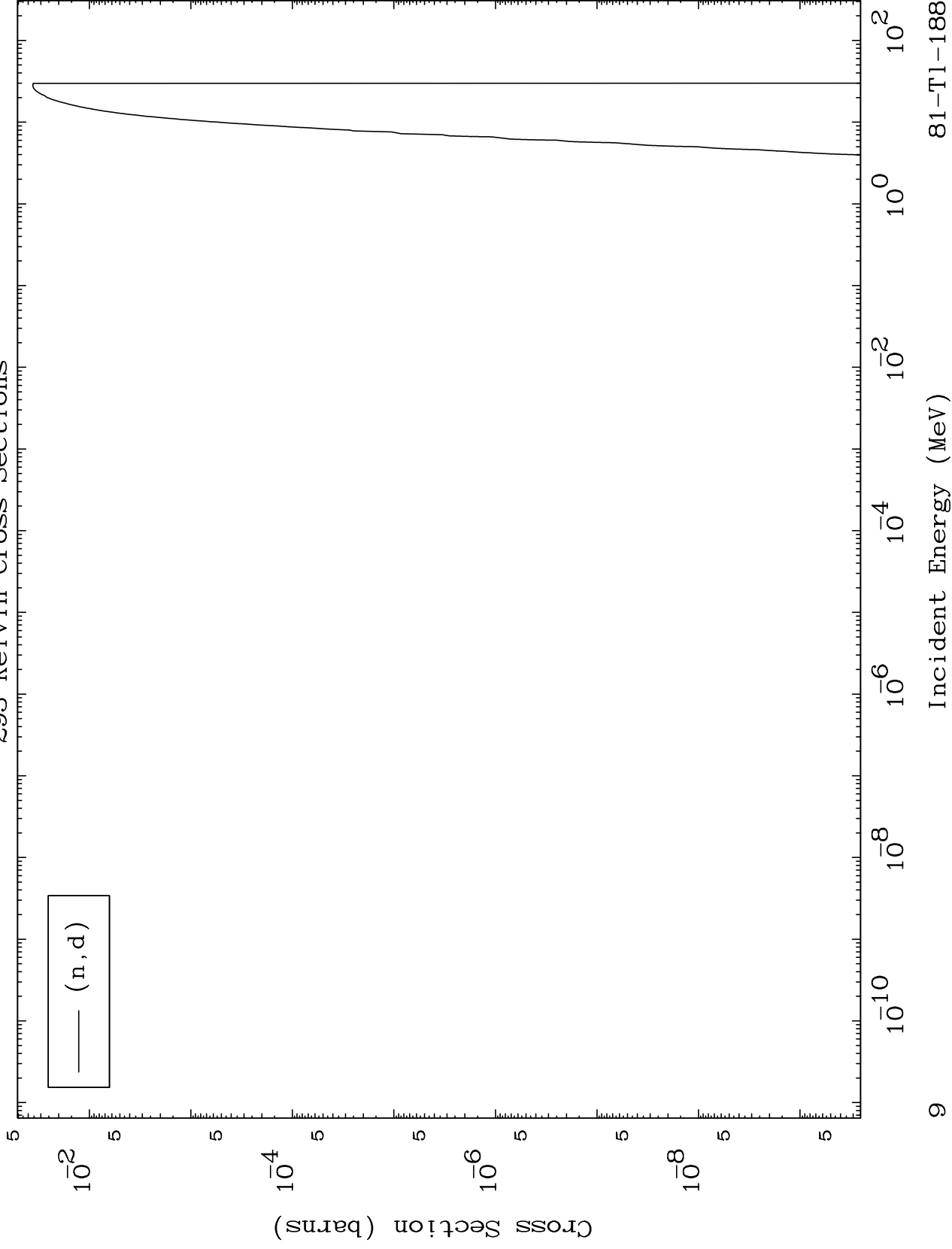
81-Tl-188



MAT 8081

(n,d) Levels
293 Kelvin Cross Sections

81-Tl-188

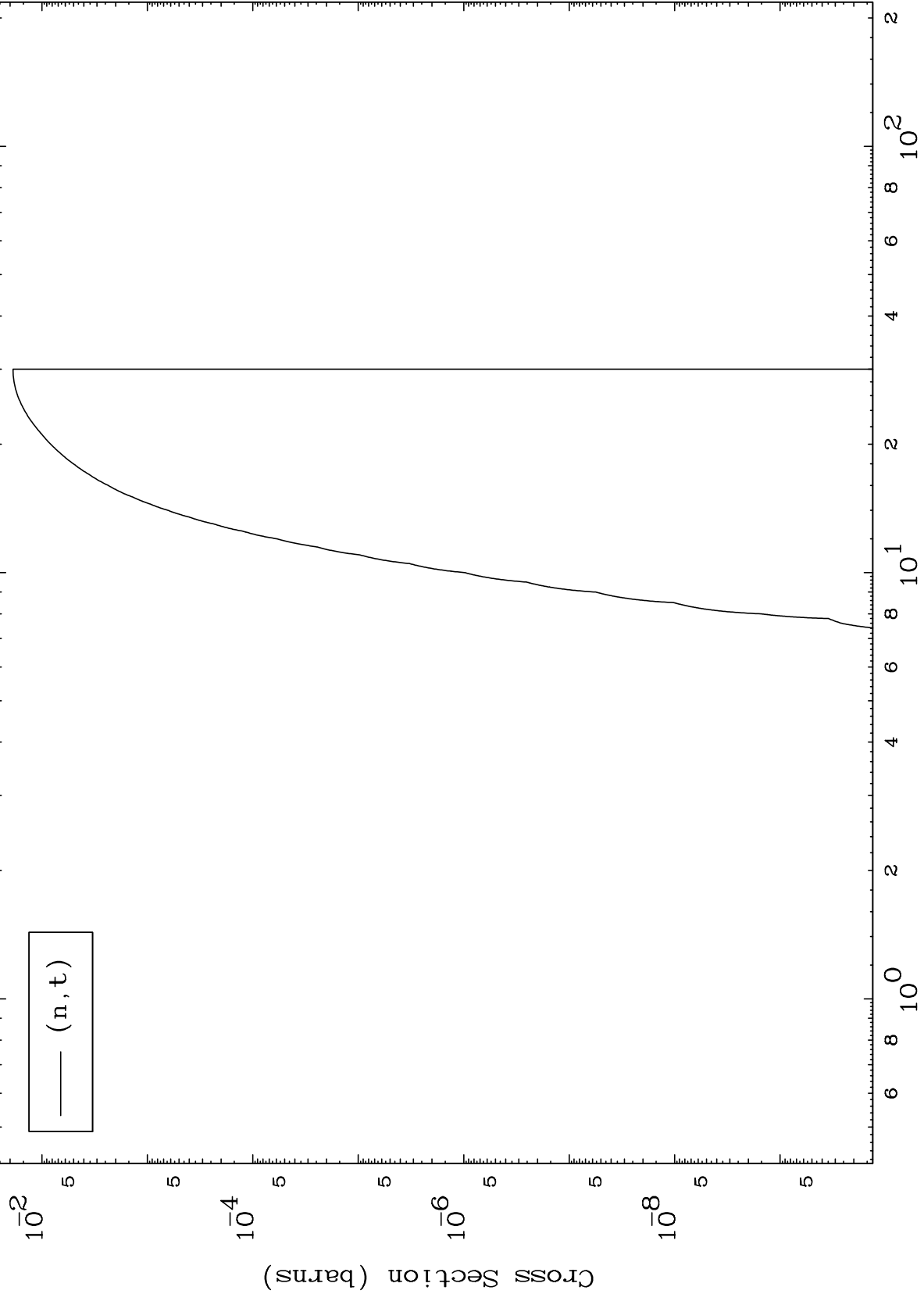


MAT 8081

(n,t) Levels

81-Tl-188

293 Kelvin Cross Sections



10

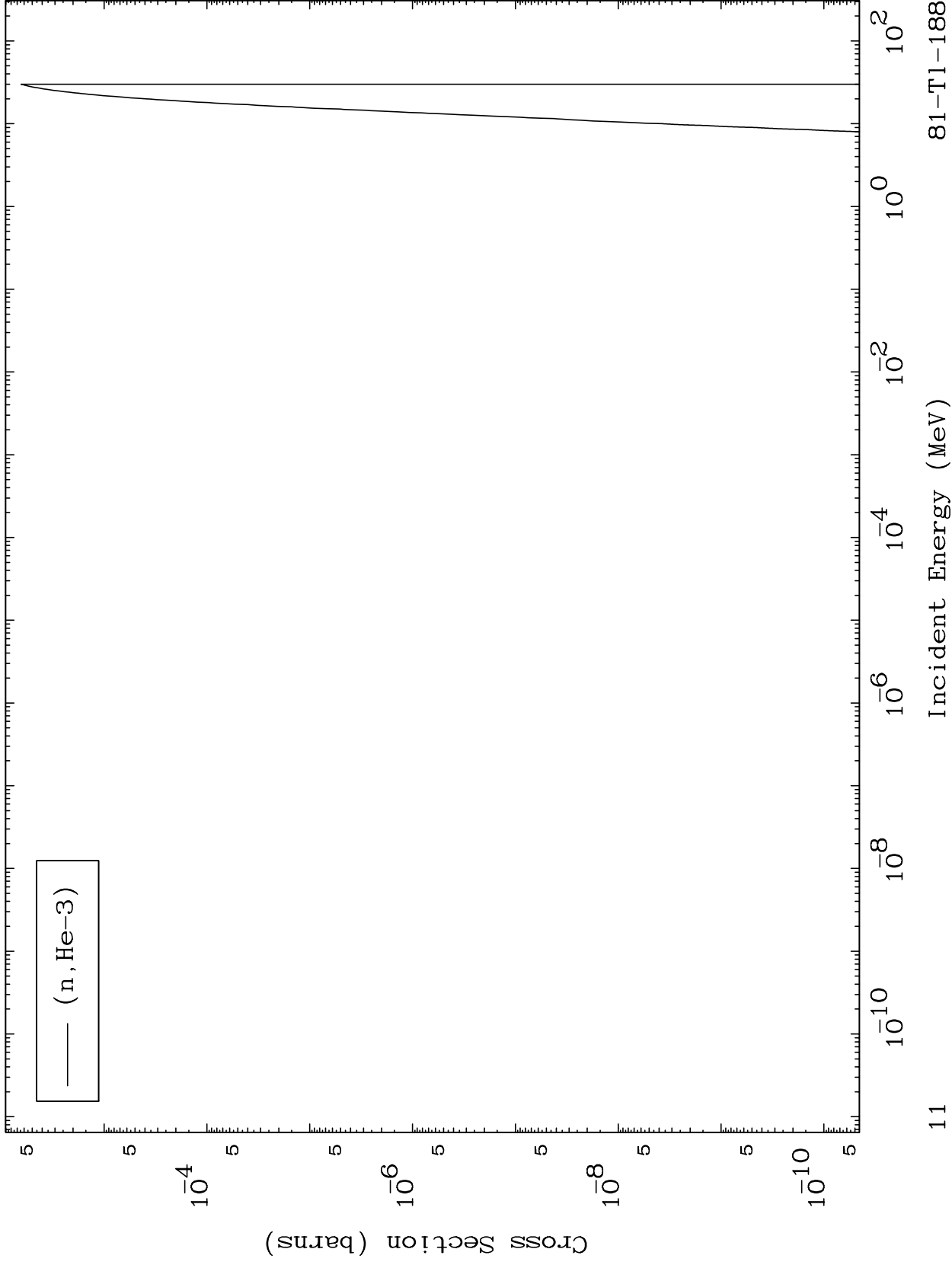
Incident Energy (MeV)

81-Tl-188

MAT 8081

(n,He3) Levels
293 Kelvin Cross Sections

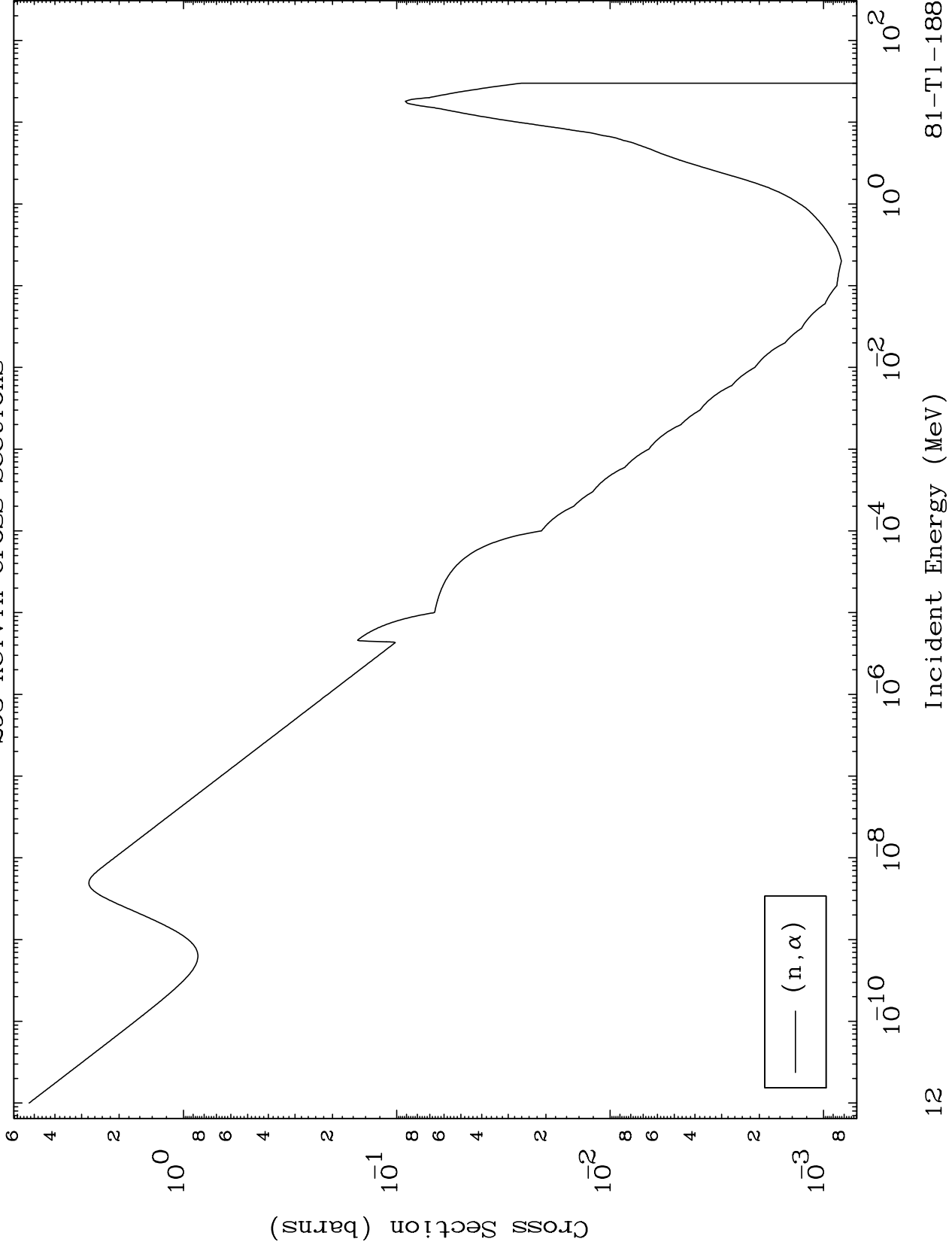
81-Tl-188



MAT 8081

(n, α) Levels
293 Kelvin Cross Sections

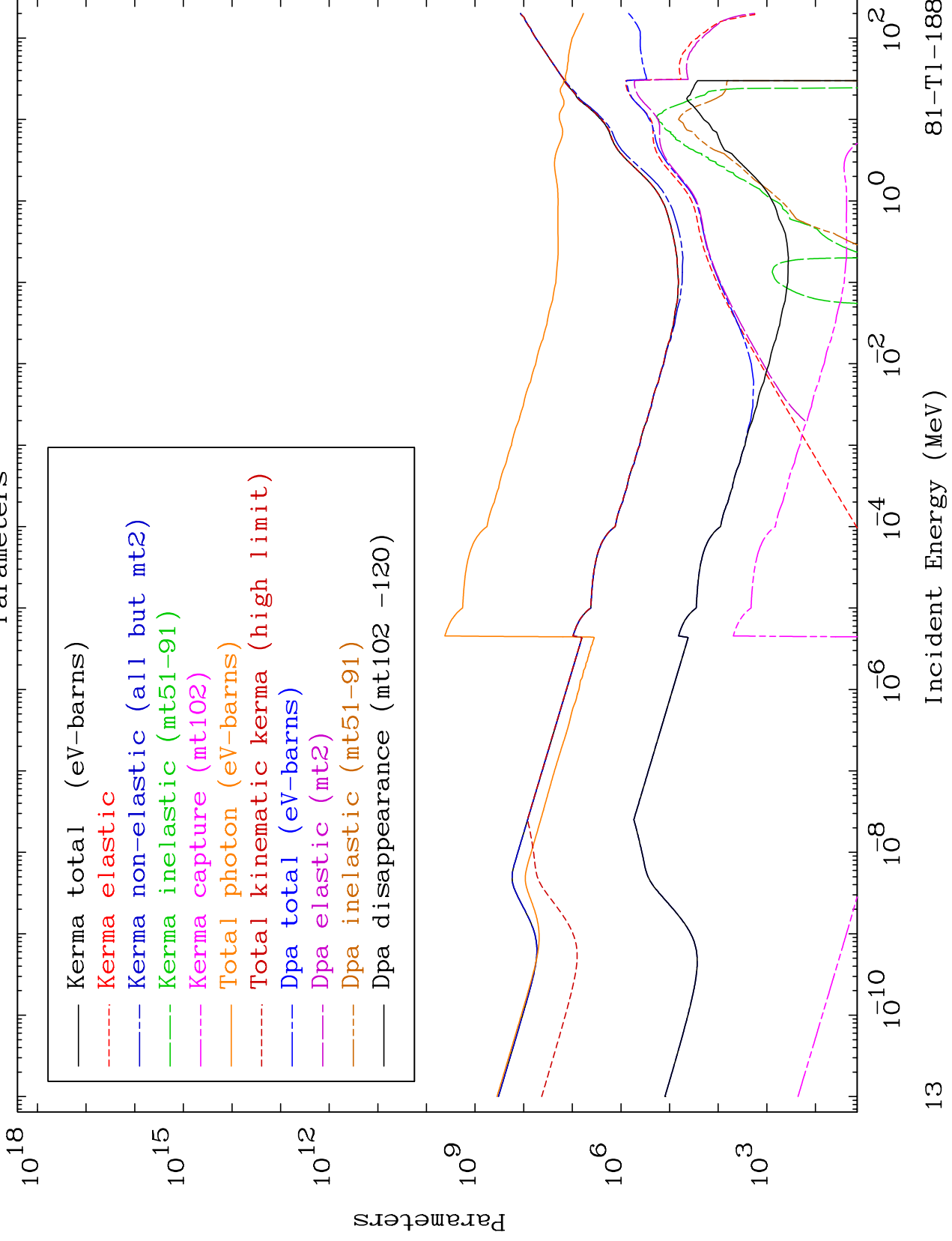
81-Tl-188



12

Incident Energy (MeV)

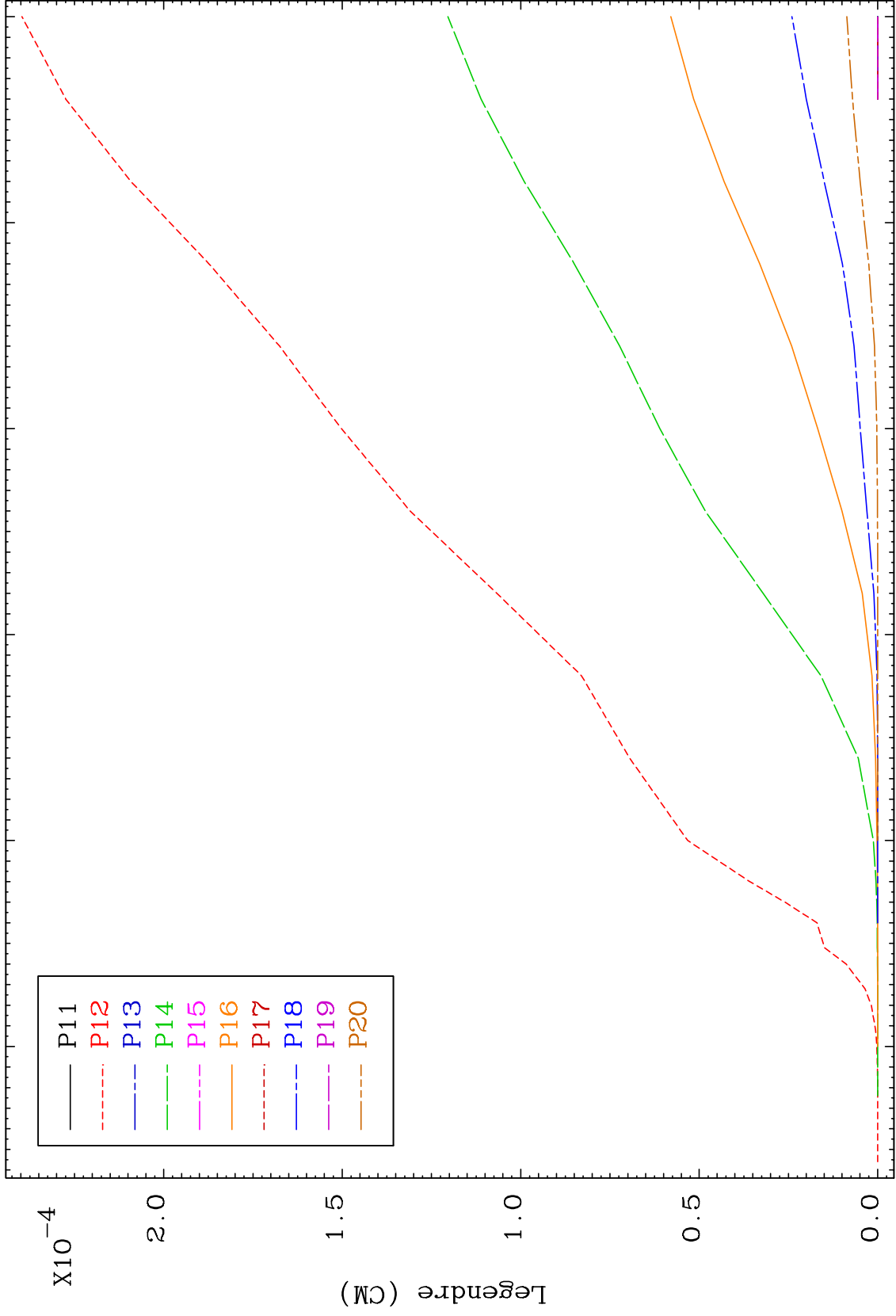
81-Tl-188



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Elastic
Legendre Coefficients

81-Tl-188



15

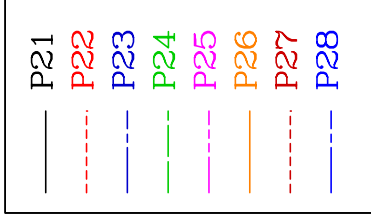
Incident Energy (MeV)

81-Tl-188

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Elastic
Legendre Coefficients

81-Tl-188



$\times 10^{-6}$

1.0

0.8

0.6

0.4

0.2

0.0

Legendre (CM)

15

20

25

30

16

Incident Energy (MeV)

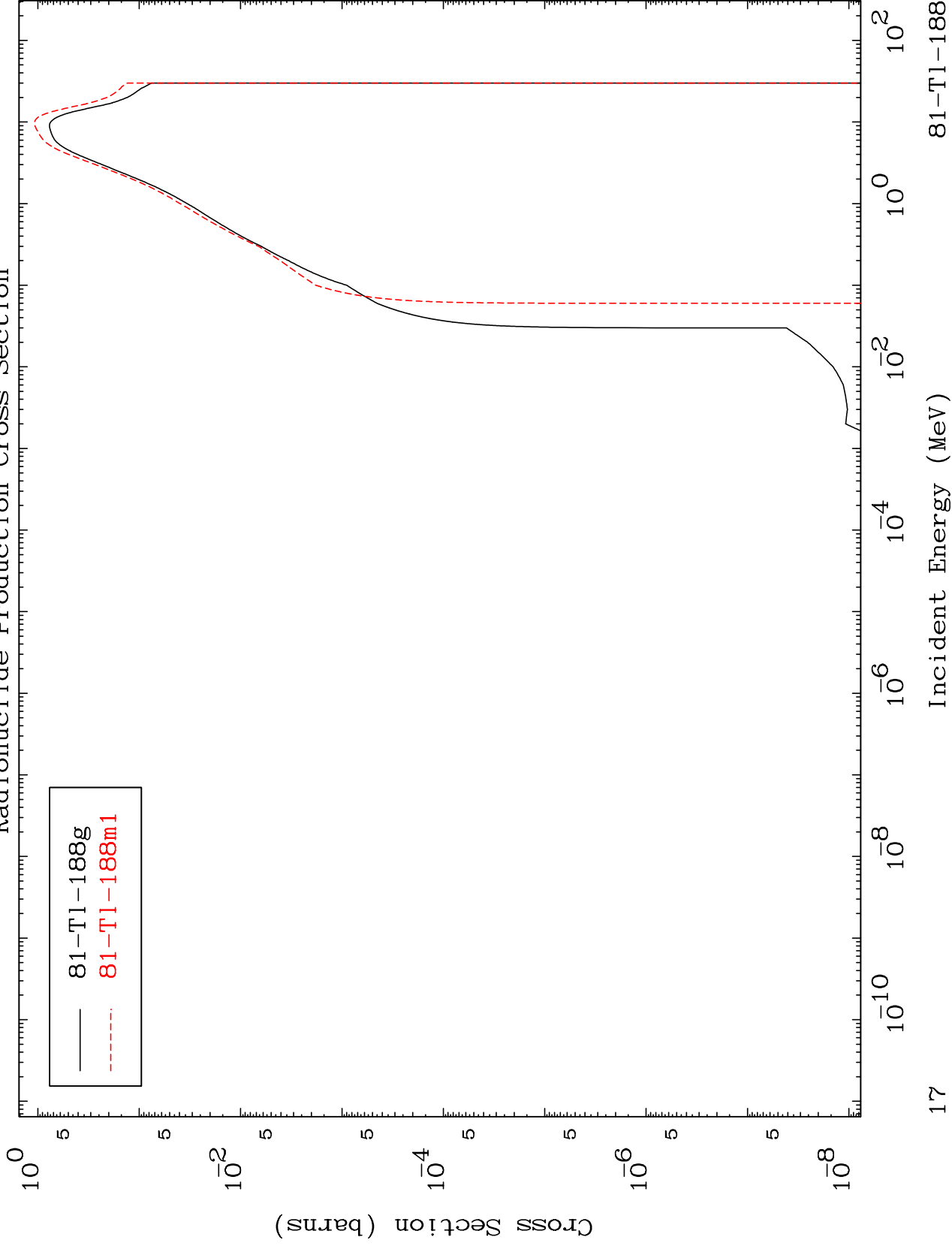
81-Tl-188



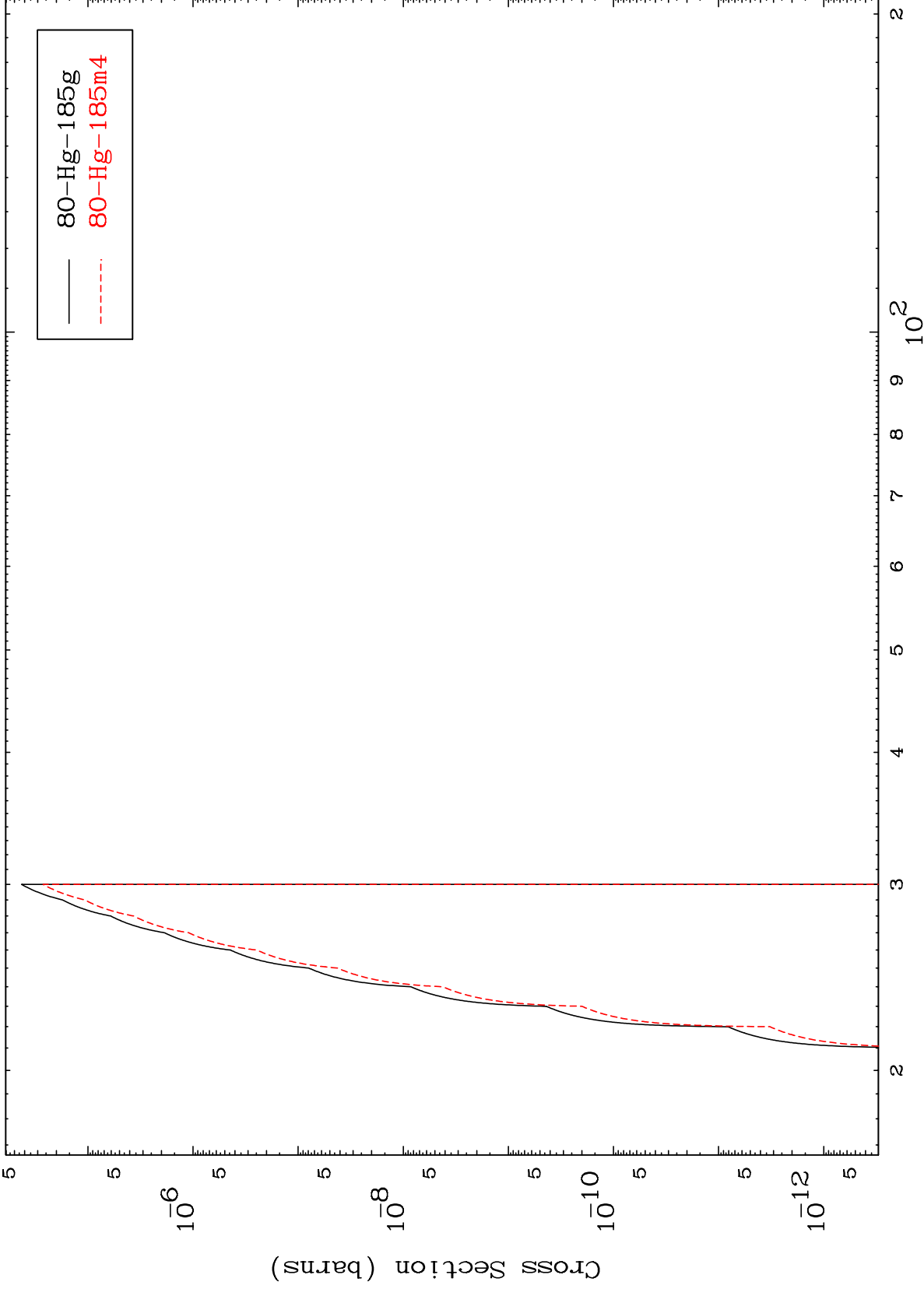
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Inelastic
Radionuclide Production Cross Section

81-Tl-188



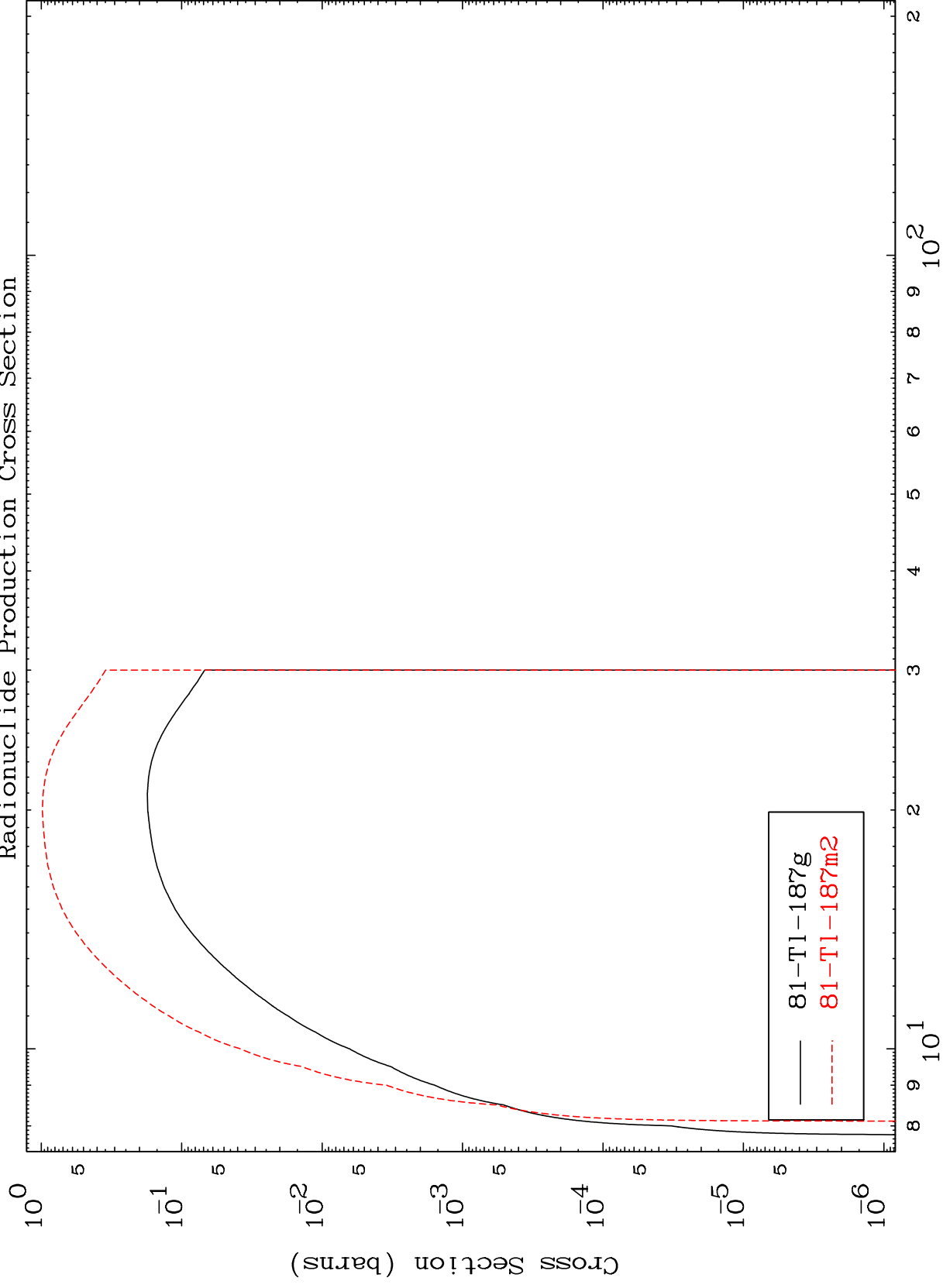
Radionuclide Production Cross Section



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81-Tl-188

Radionuclide Production Cross Section
(n,2n)



19

Incident Energy (MeV)

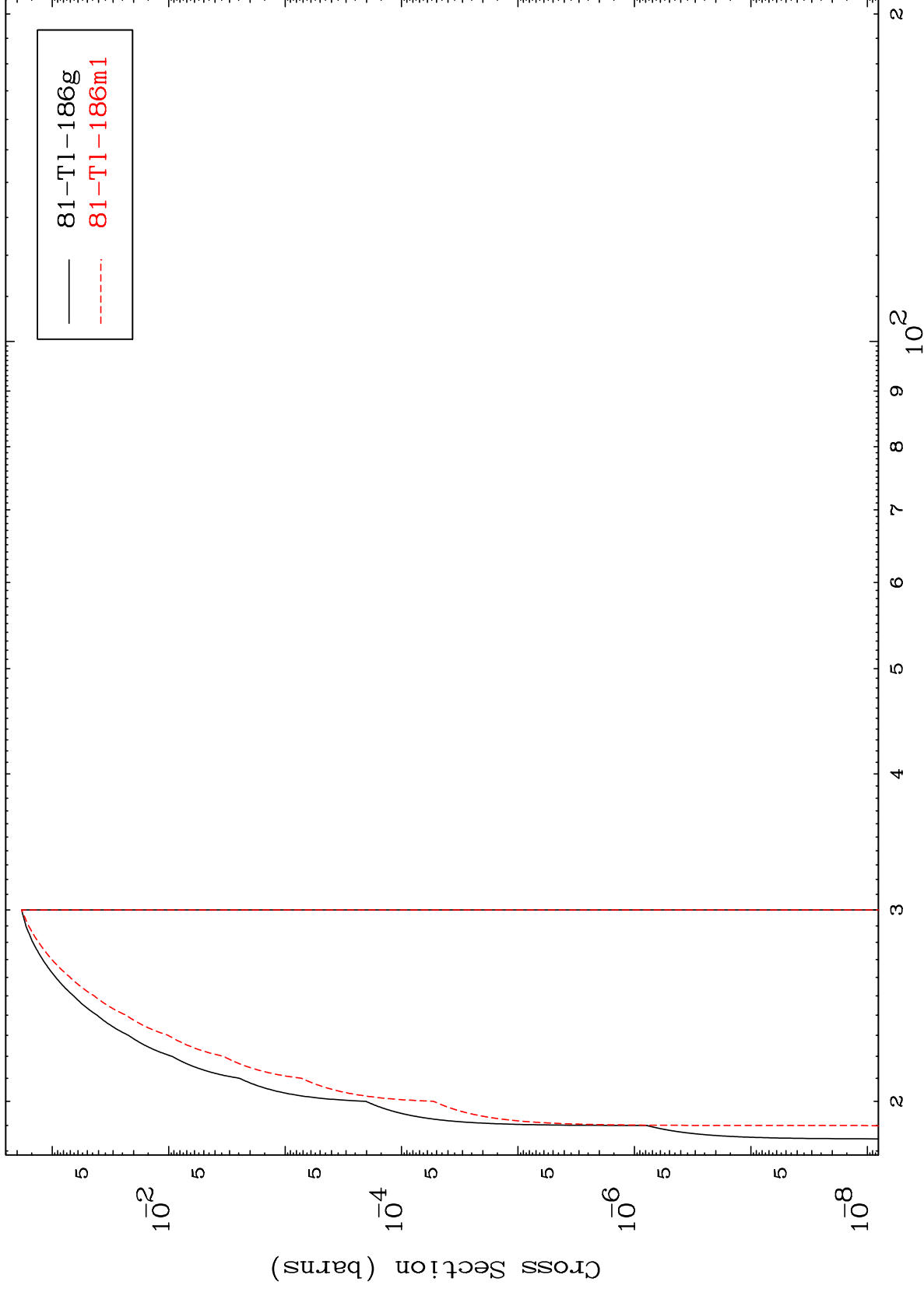
81-Tl-188

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(n,3n)

81-Tl-188

Radionuclide Production Cross Section



20

Incident Energy (MeV)

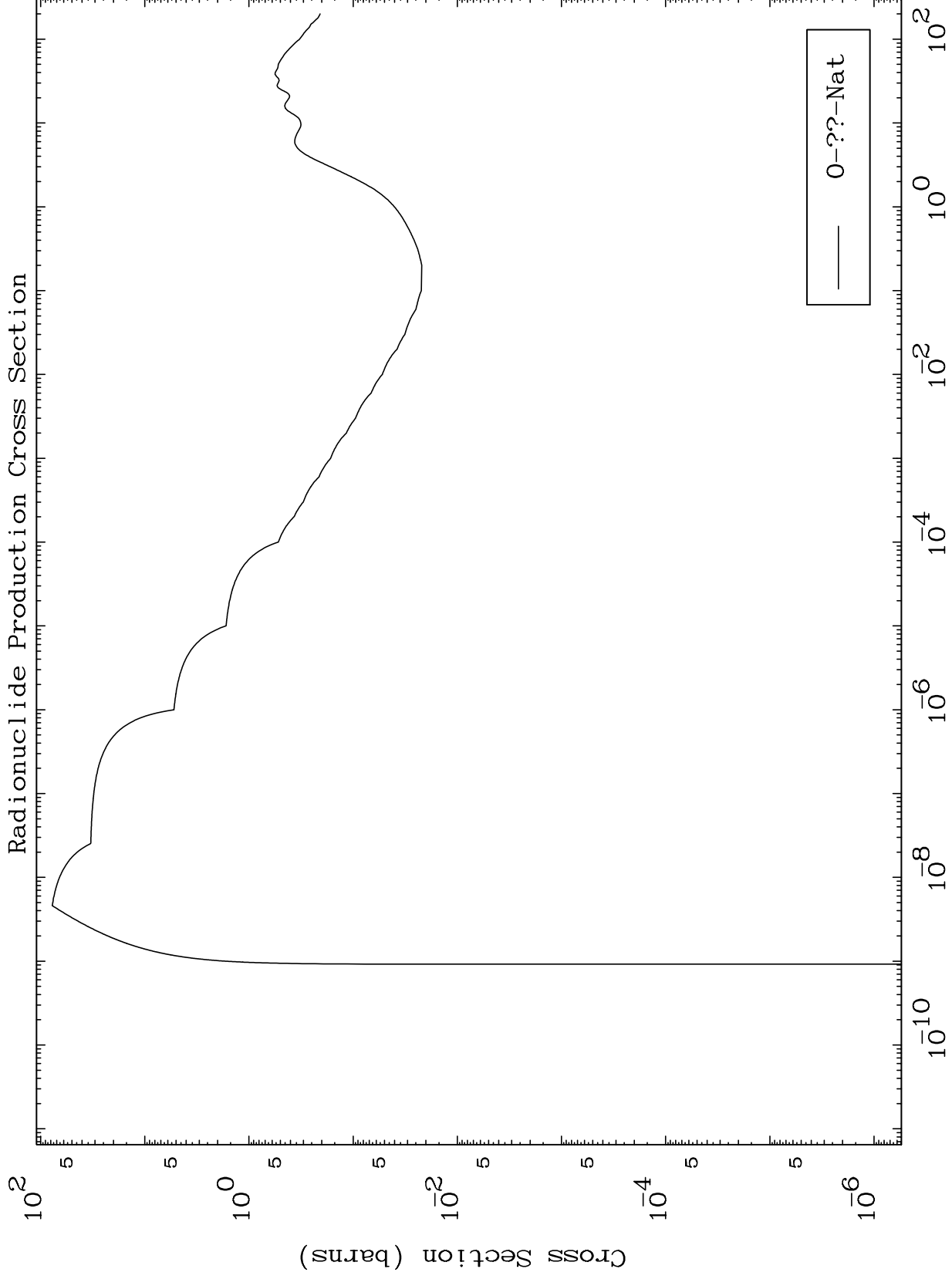
81-Tl-188

MAT 8081

Fission

81-Tl-188

Radionuclide Production Cross Section

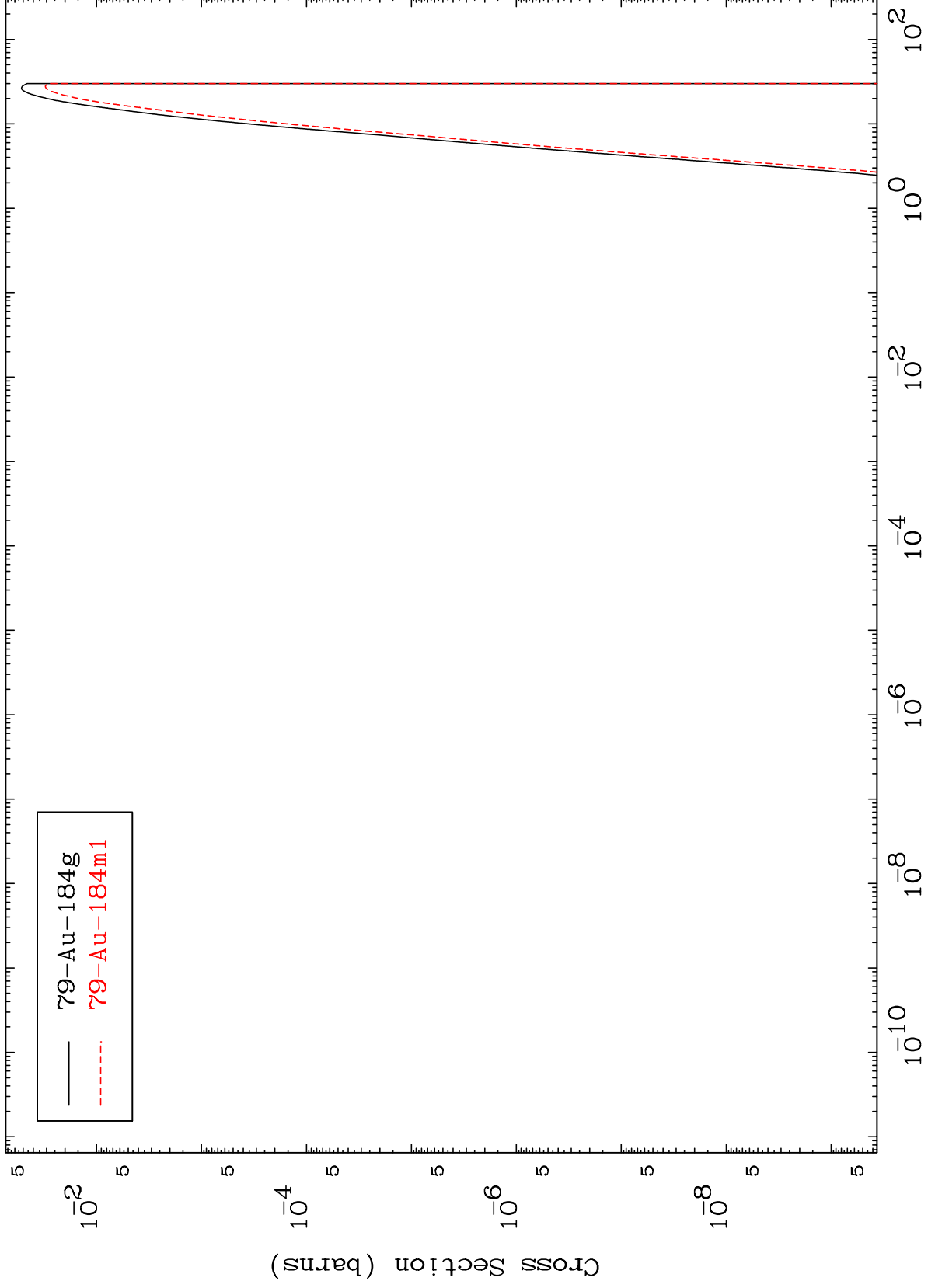


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$(n, n') \alpha$

81-Tl-188

Radionuclide Production Cross Section



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

Incident Energy (MeV)

81-Tl-188

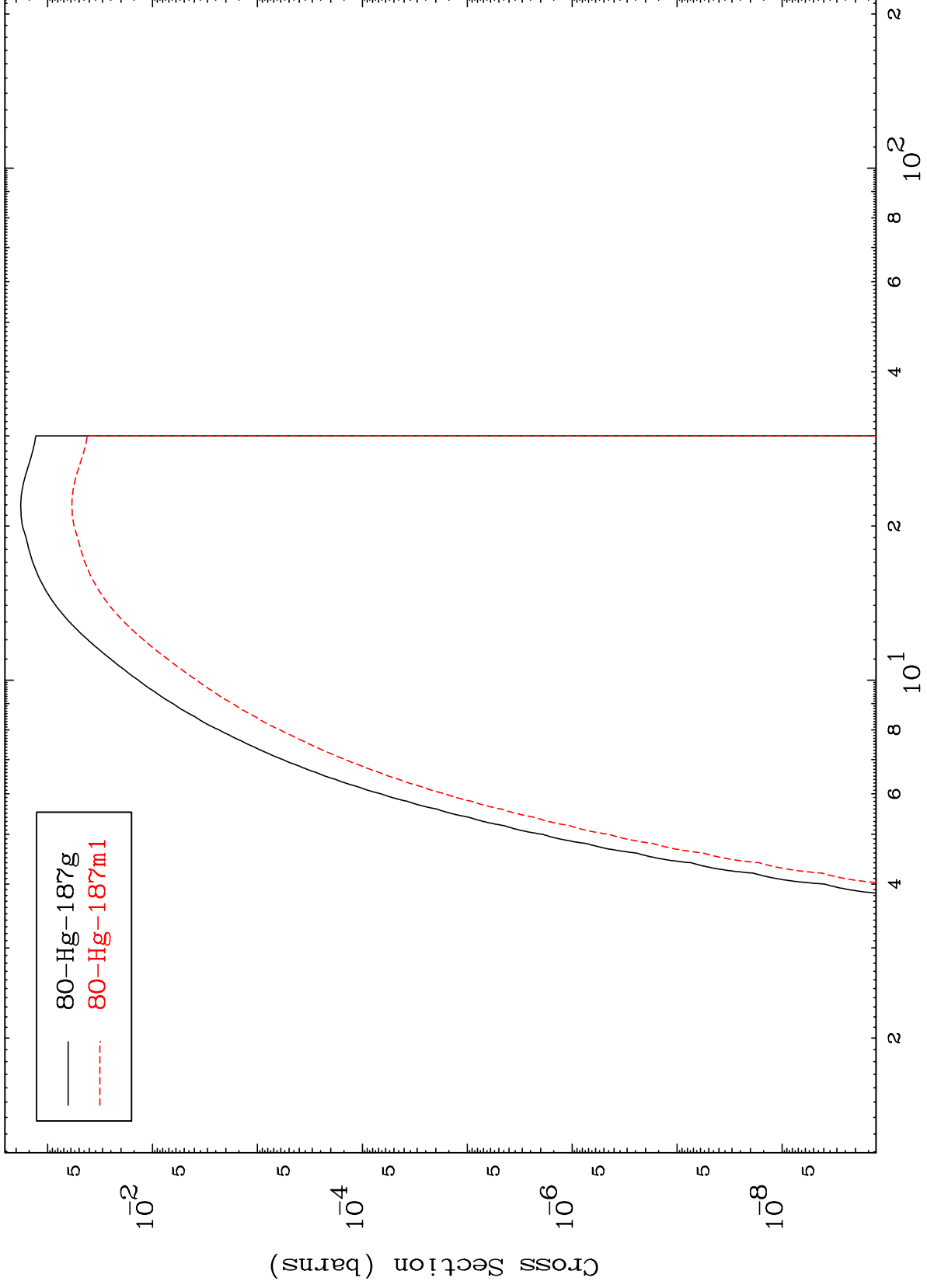
22

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(n,n') p

81-Tl-188

Radionuclide Production Cross Section



Incident Energy (MeV)

81-Tl-188

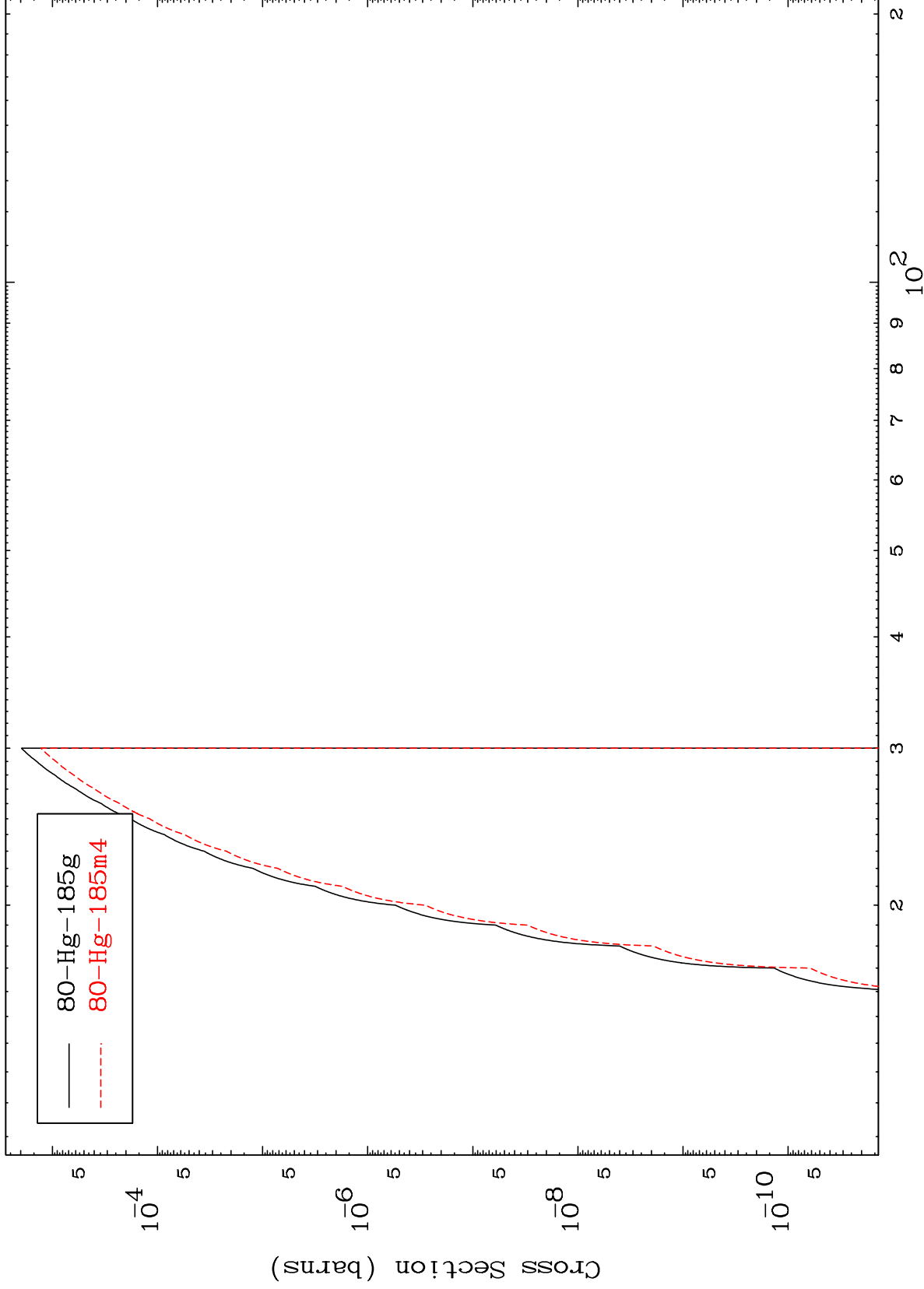
23

MAT 8081

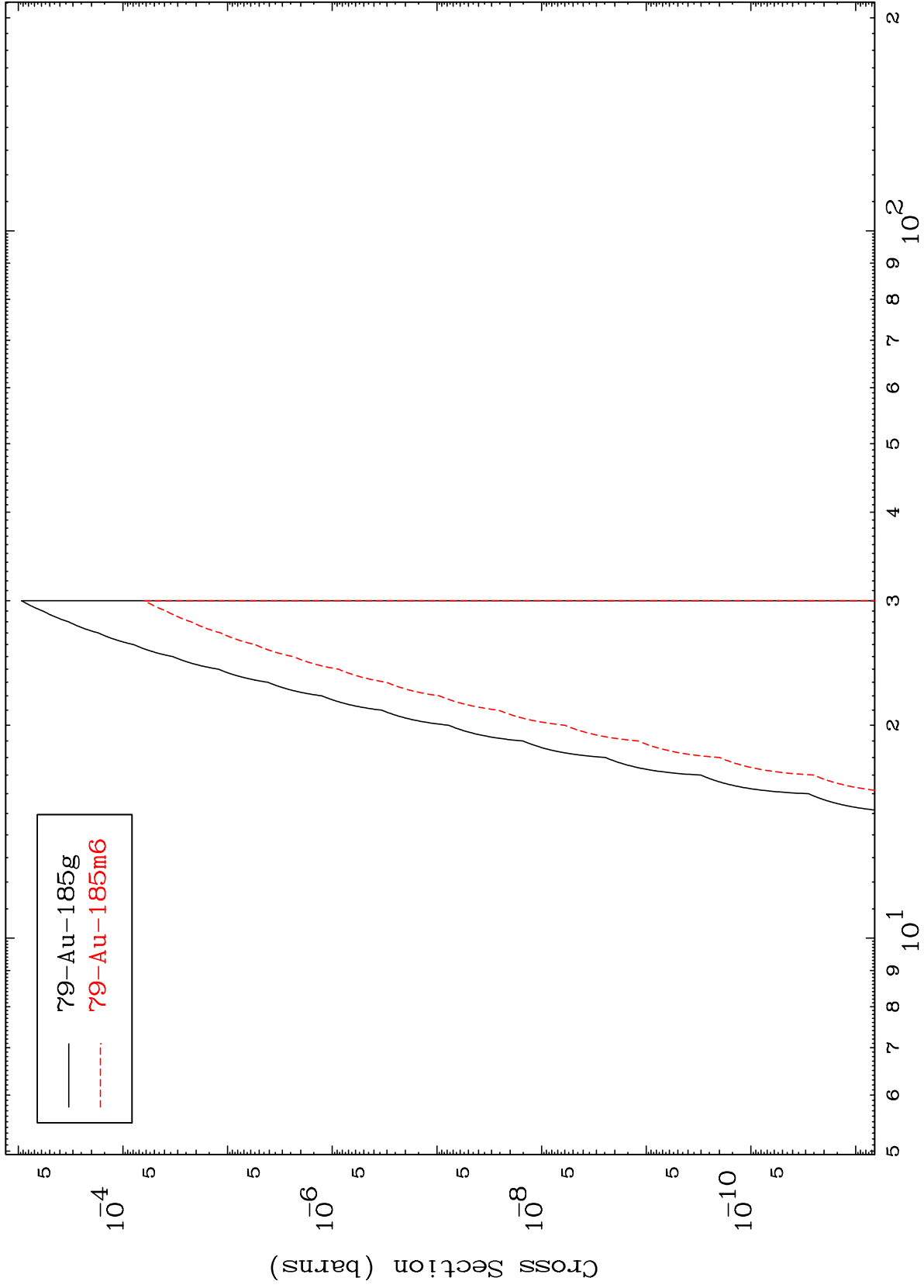
(n,n') t

81-Tl-188

Radionuclide Production Cross Section



Radionuclide Production Cross Section



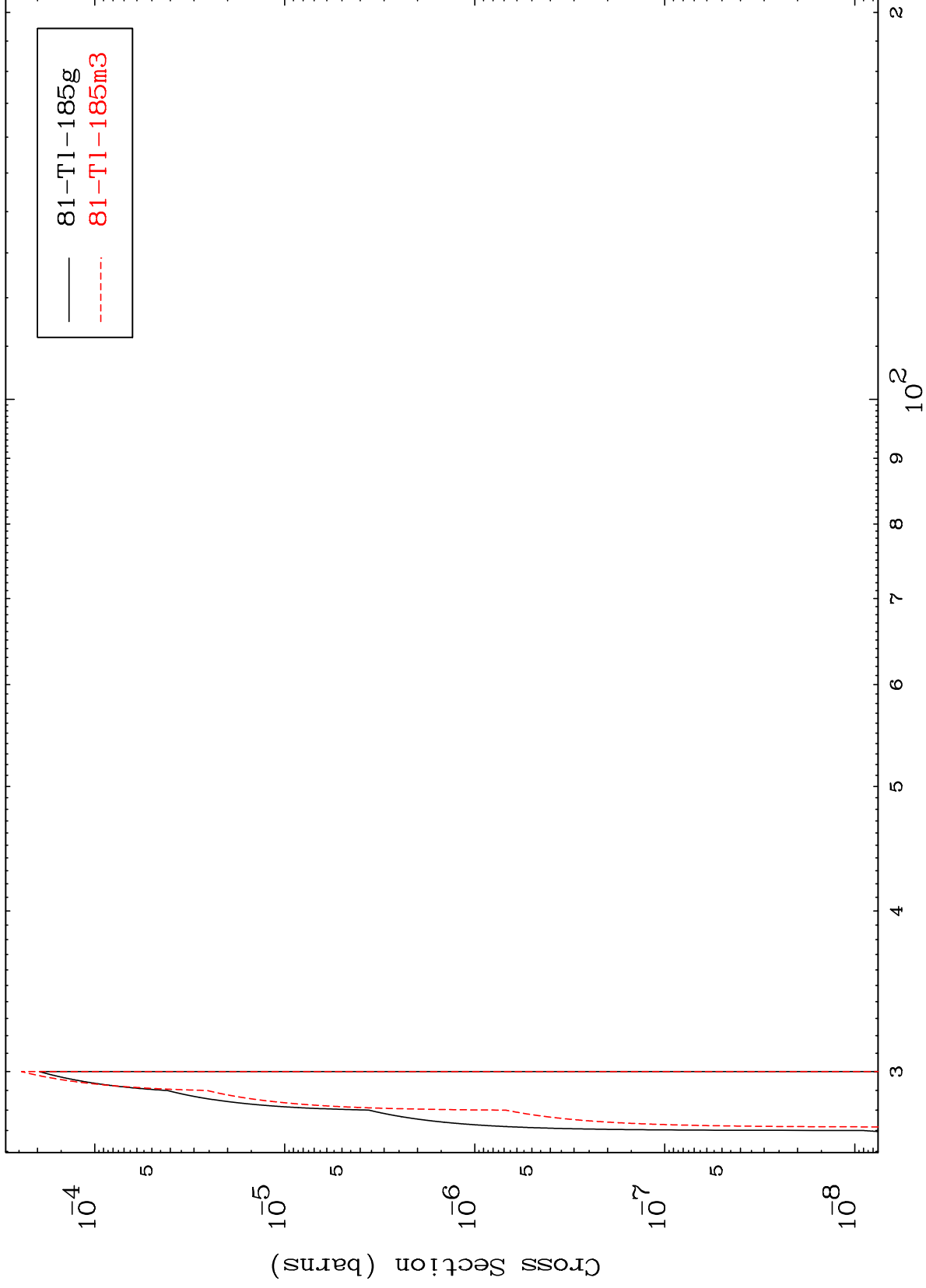
79-Au-185g
79-Au-185m6

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(n,4n)

81-Tl-188

Radionuclide Production Cross Section

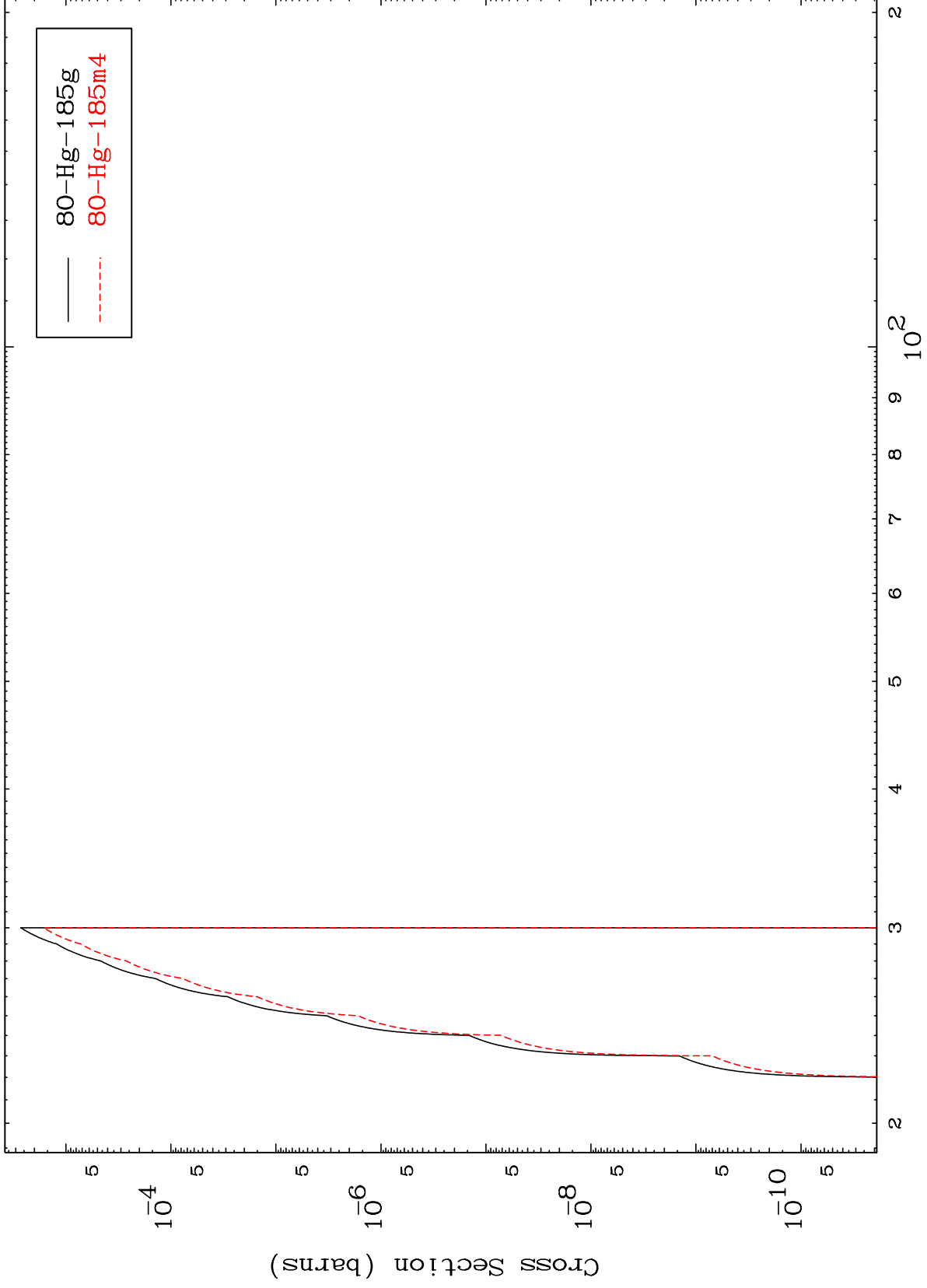


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Incident Energy (MeV)

81-Tl-188

Radionuclide Production Cross Section

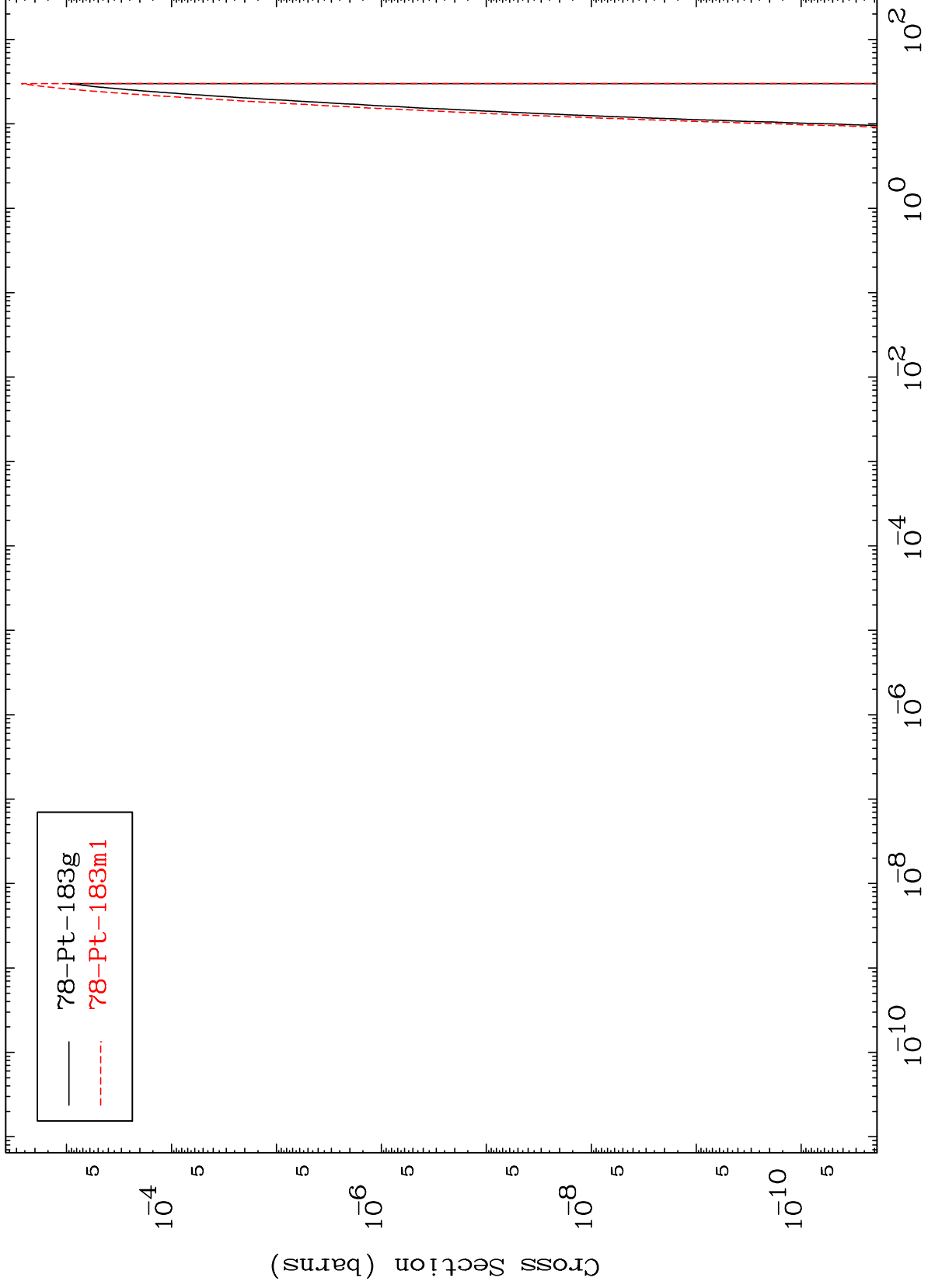


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(n,n') p α

81-Tl-188

Radionuclide Production Cross Section



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

Incident Energy (MeV)

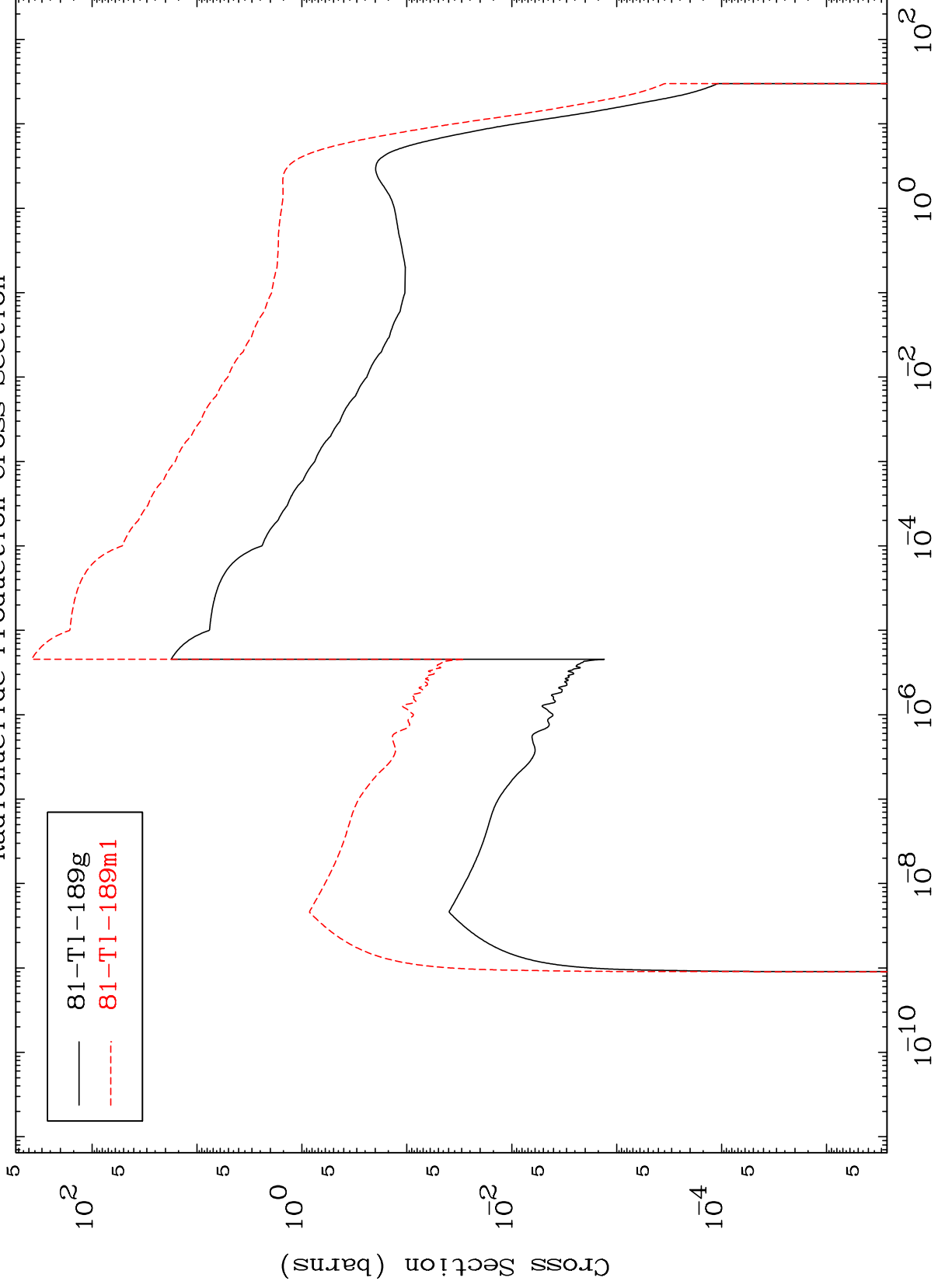
81-Tl-188

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MAT 8081

81-Tl-188

(n, γ)
Radionuclide Production Cross Section

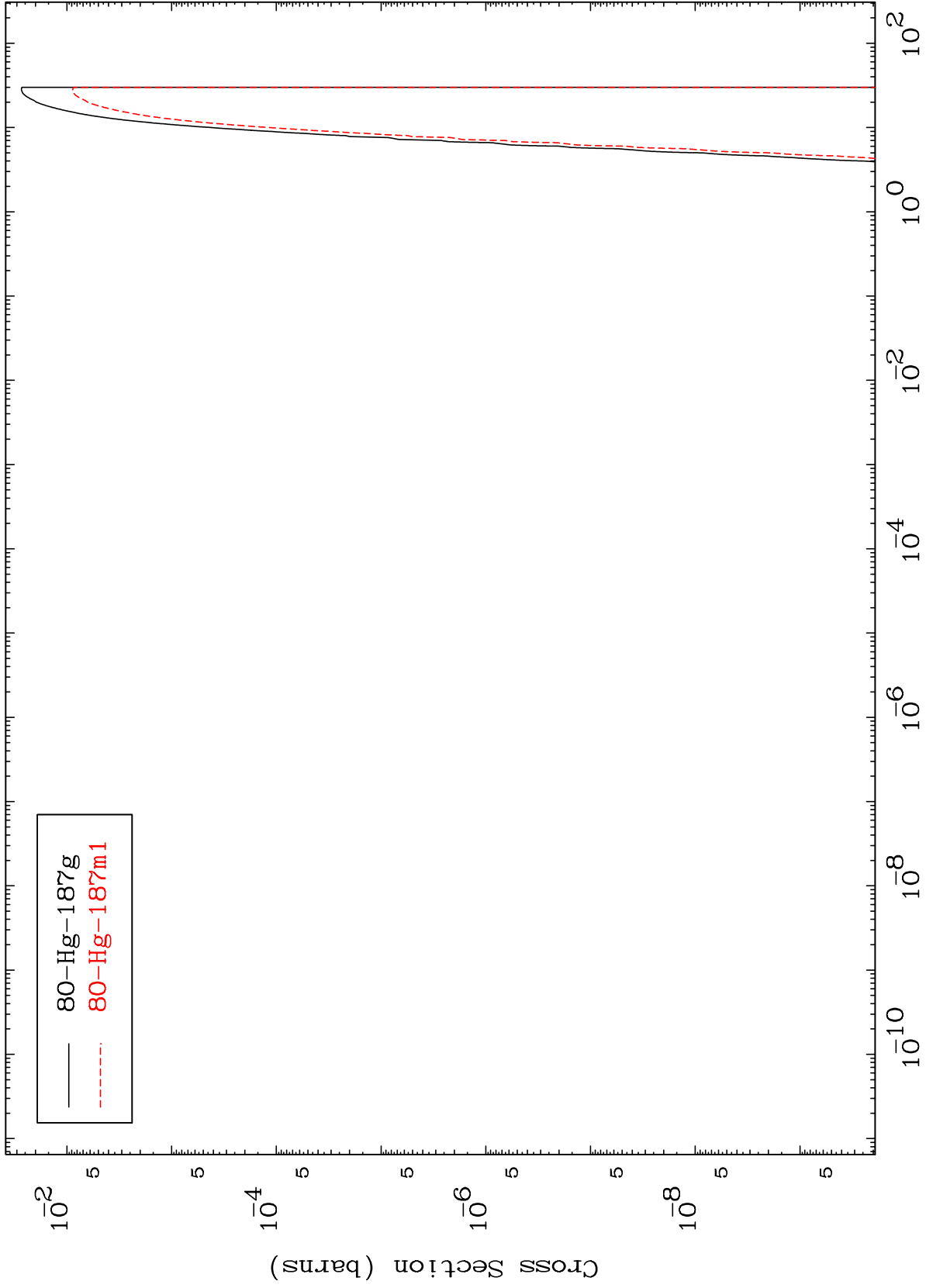


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(n,d)

81-Tl-188

Radionuclide Production Cross Section



— 80-Hg-187g
- - - 80-Hg-187m1

30

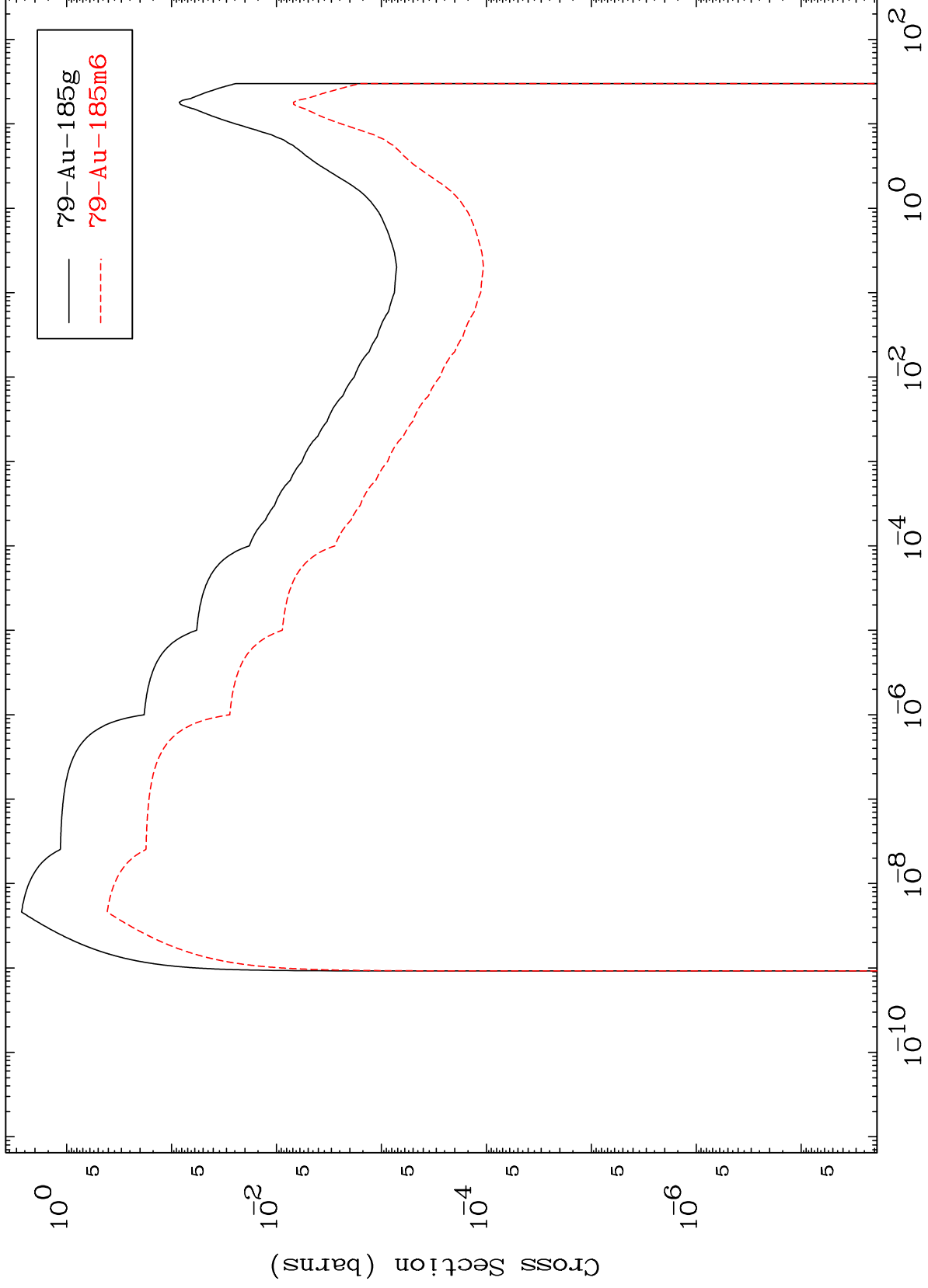
Incident Energy (MeV)

81-Tl-188

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81-Tl-188

(n, α)
Radionuclide Production Cross Section



31

81-Tl-188

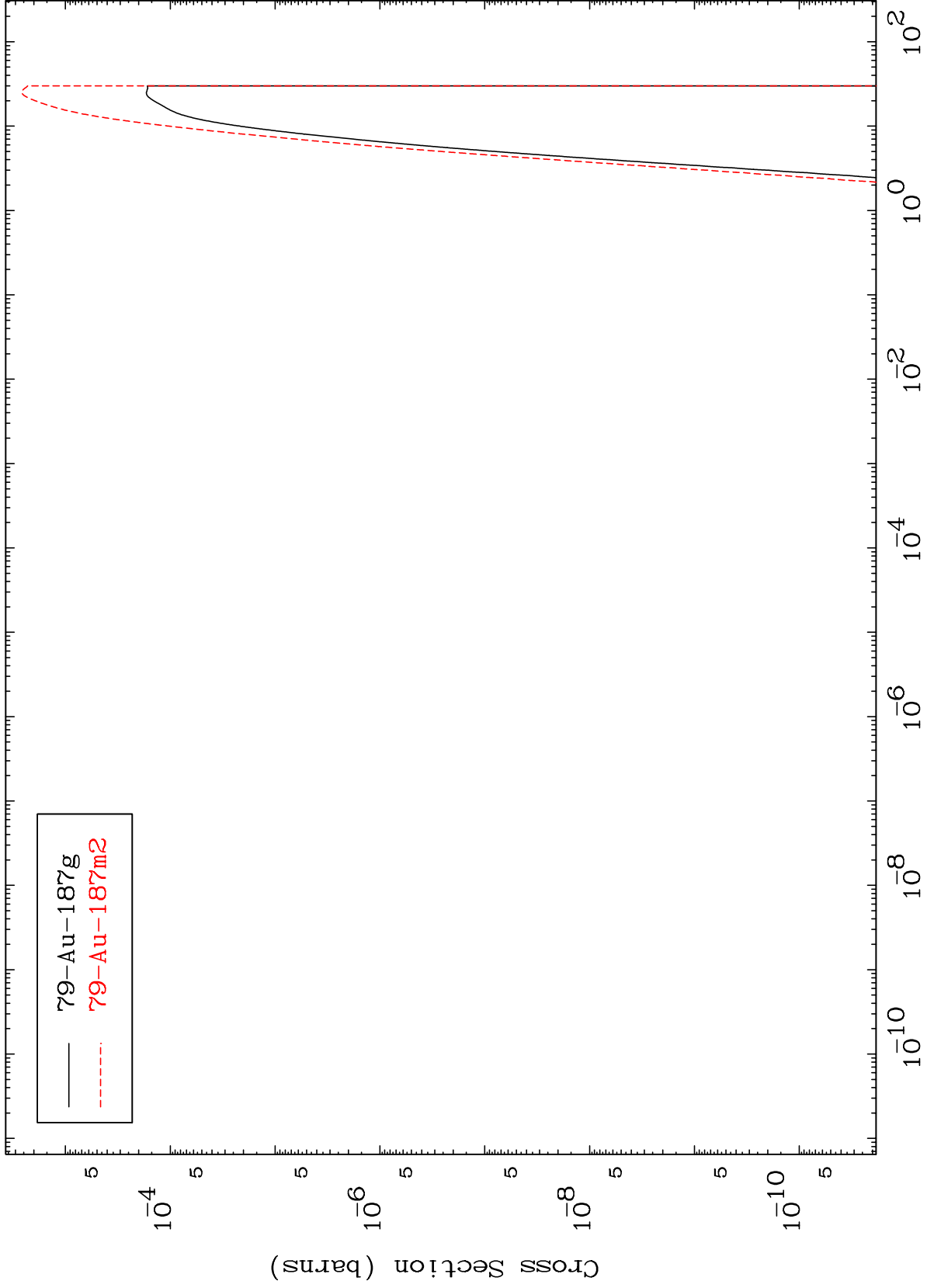
Incident Energy (MeV)

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(n,2p)

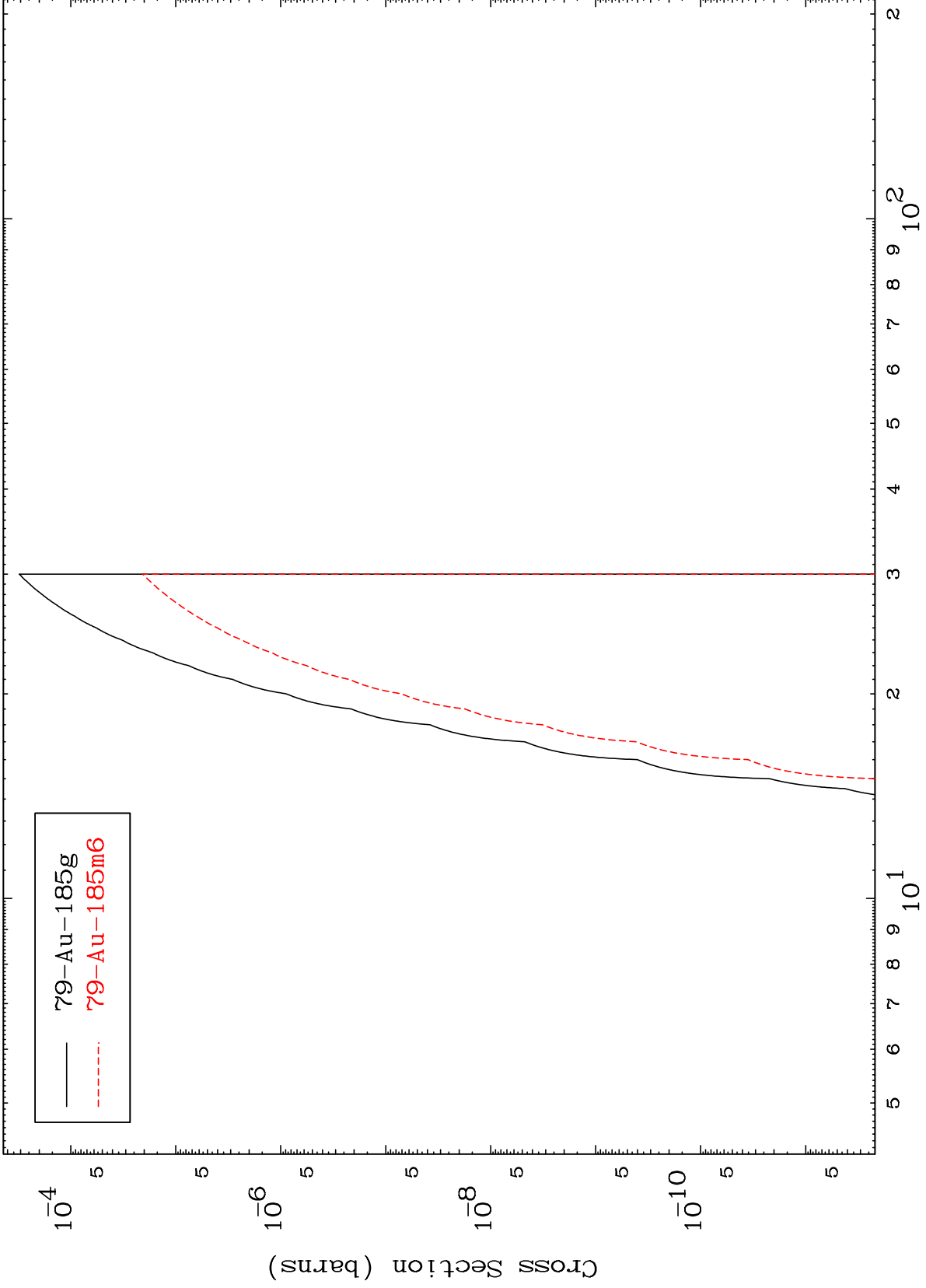
81-Tl-188

Radionuclide Production Cross Section



— 79-Au-187g
- - - 79-Au-187m2

Radionuclide Production Cross Section



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(n,d) α

81-Tl-188

Radionuclide Production Cross Section

