

Program EVALPLOT
(Version 2021-1)

by

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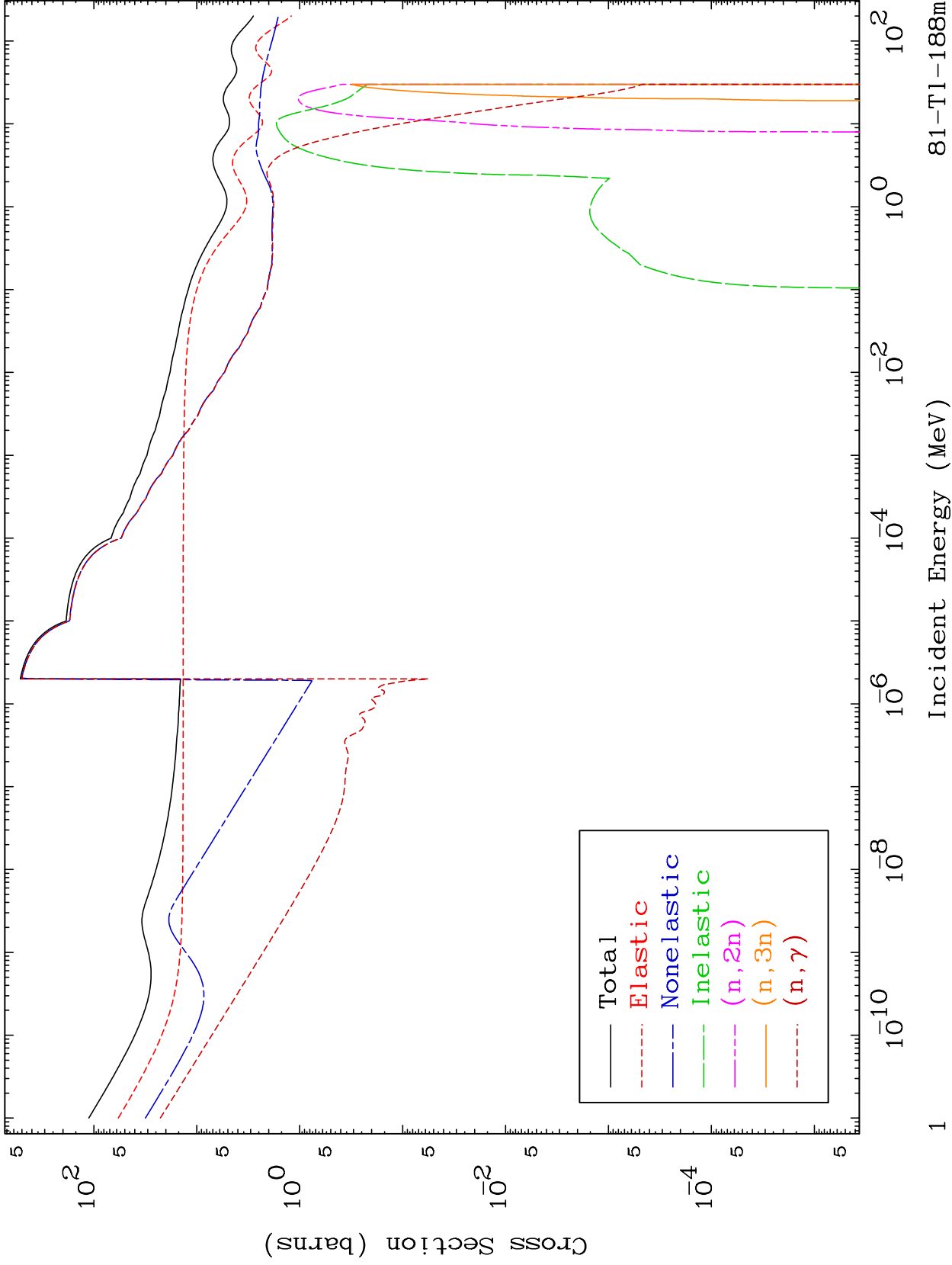
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Press Mouse Button to Start

MAT 8081

Neutron Major
293 Kelvin Cross Sections

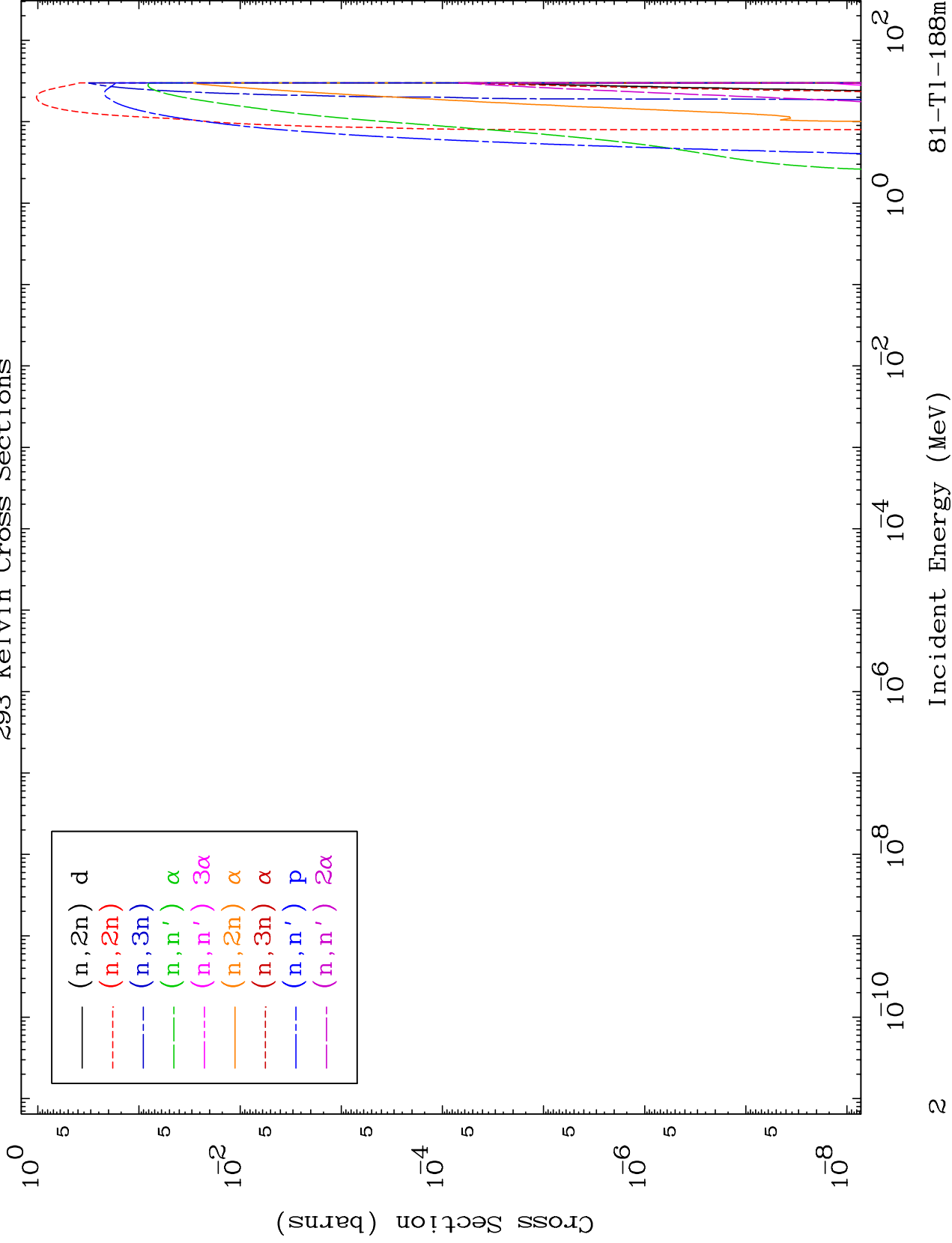
81-TI-188m



MAT 8081

Neutron Absorption
293 Kelvin Cross Sections

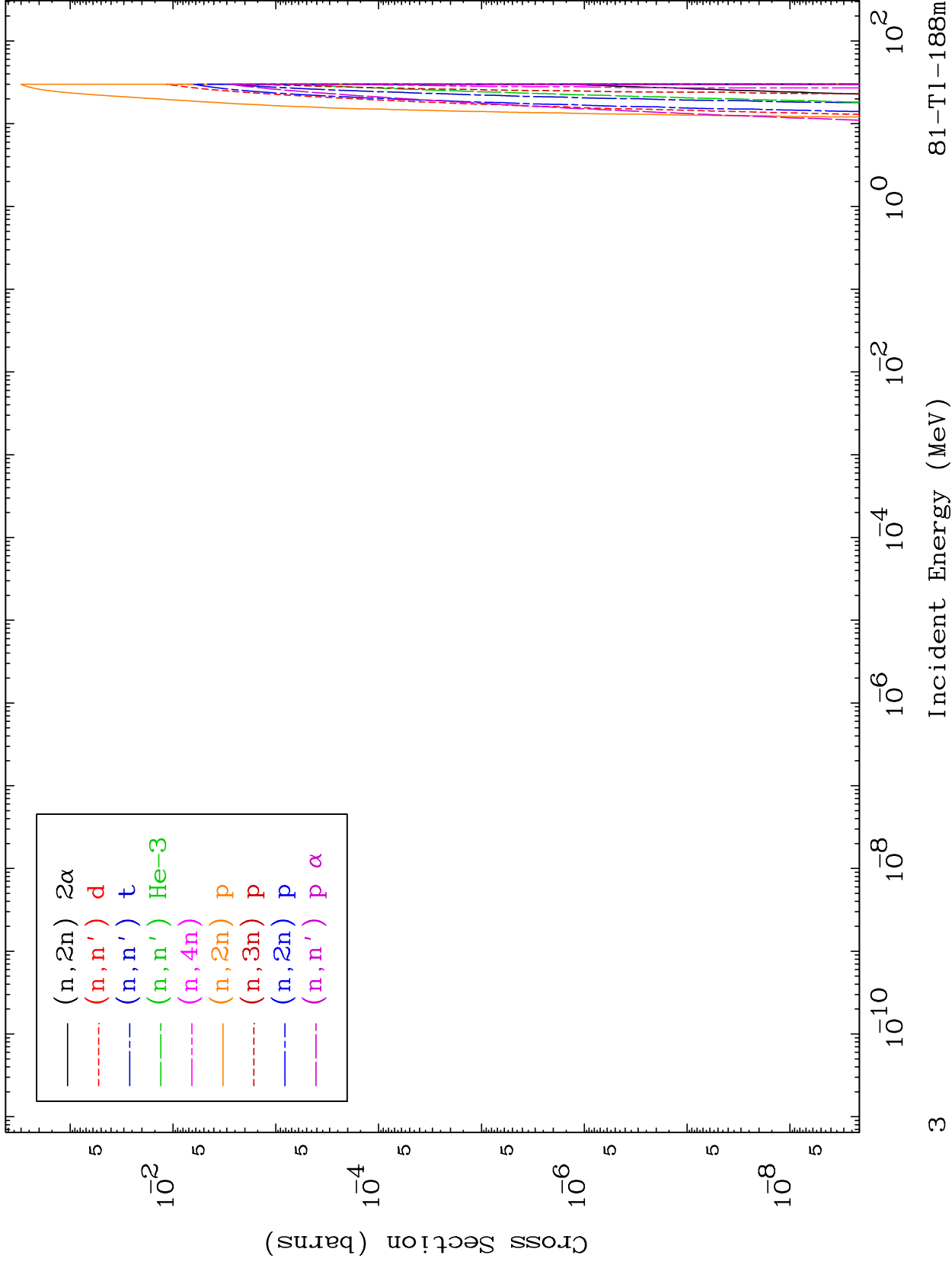
81-Tl-188m



MAT 8081

Neutron Absorption
293 Kelvin Cross Sections

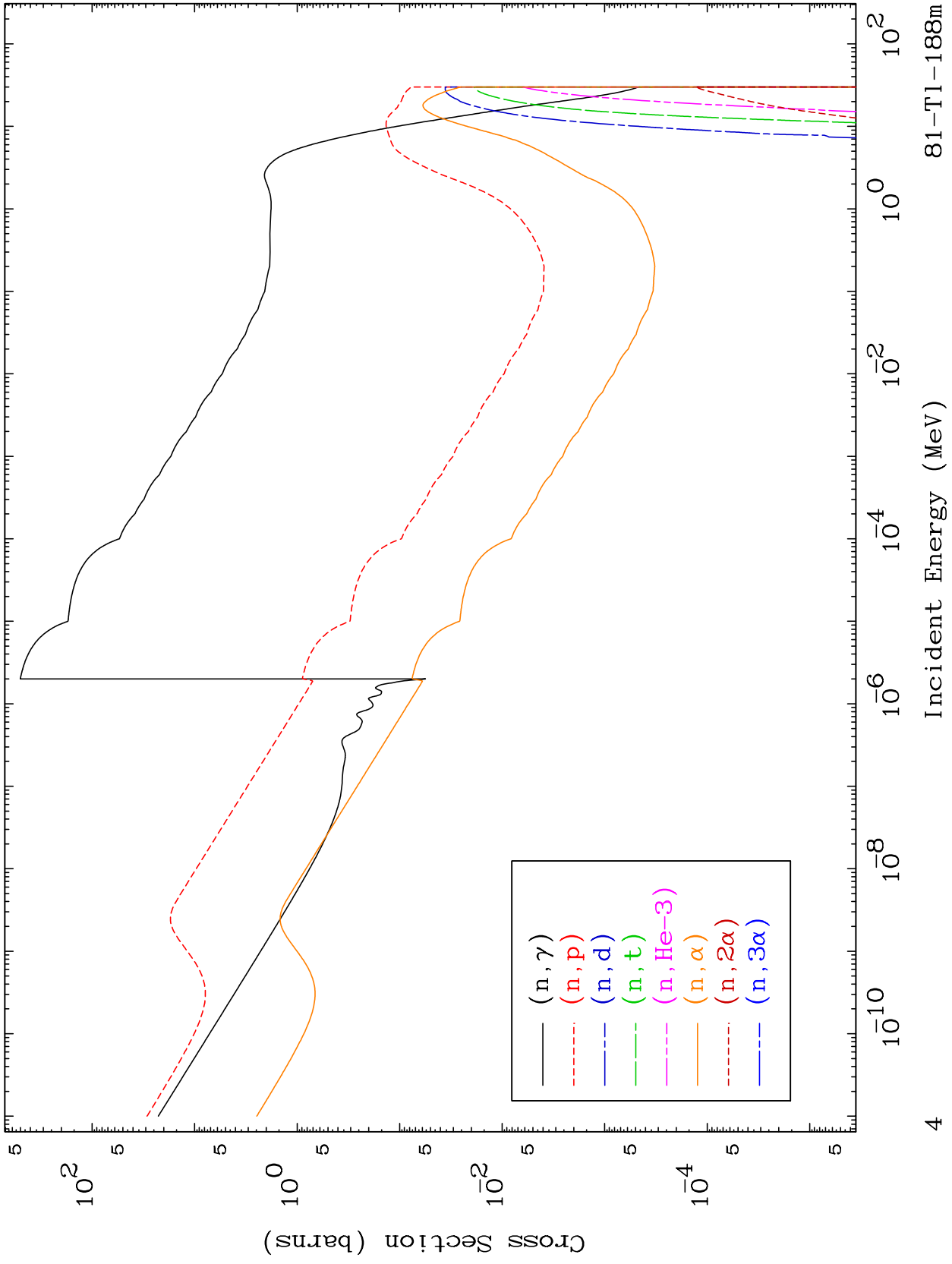
81-Tl-188m



MAT 8081

Neutron Absorption
293 Kelvin Cross Sections

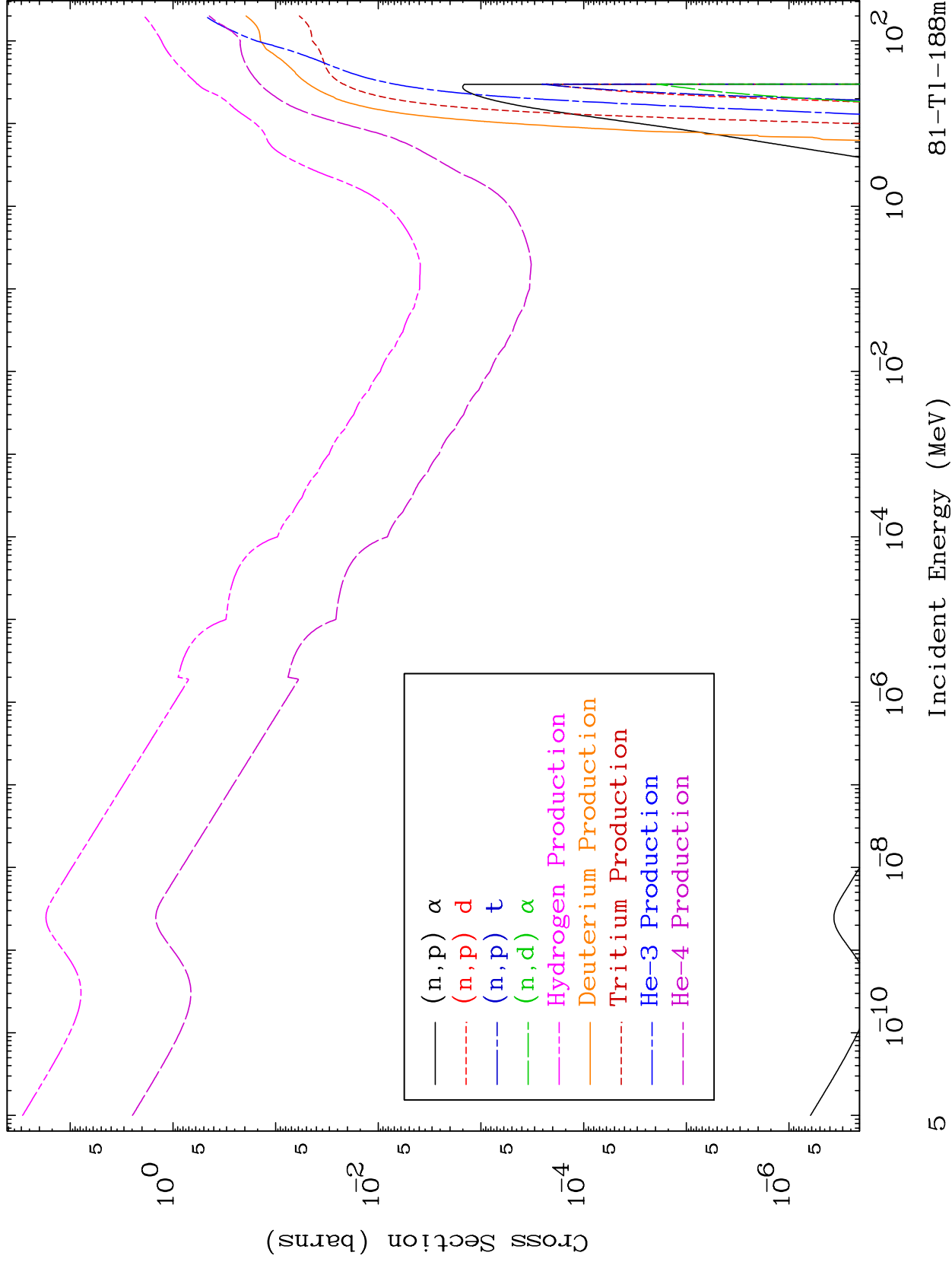
81-Tl-188m



MAT 8081

Neutron Absorption
293 Kelvin Cross Sections

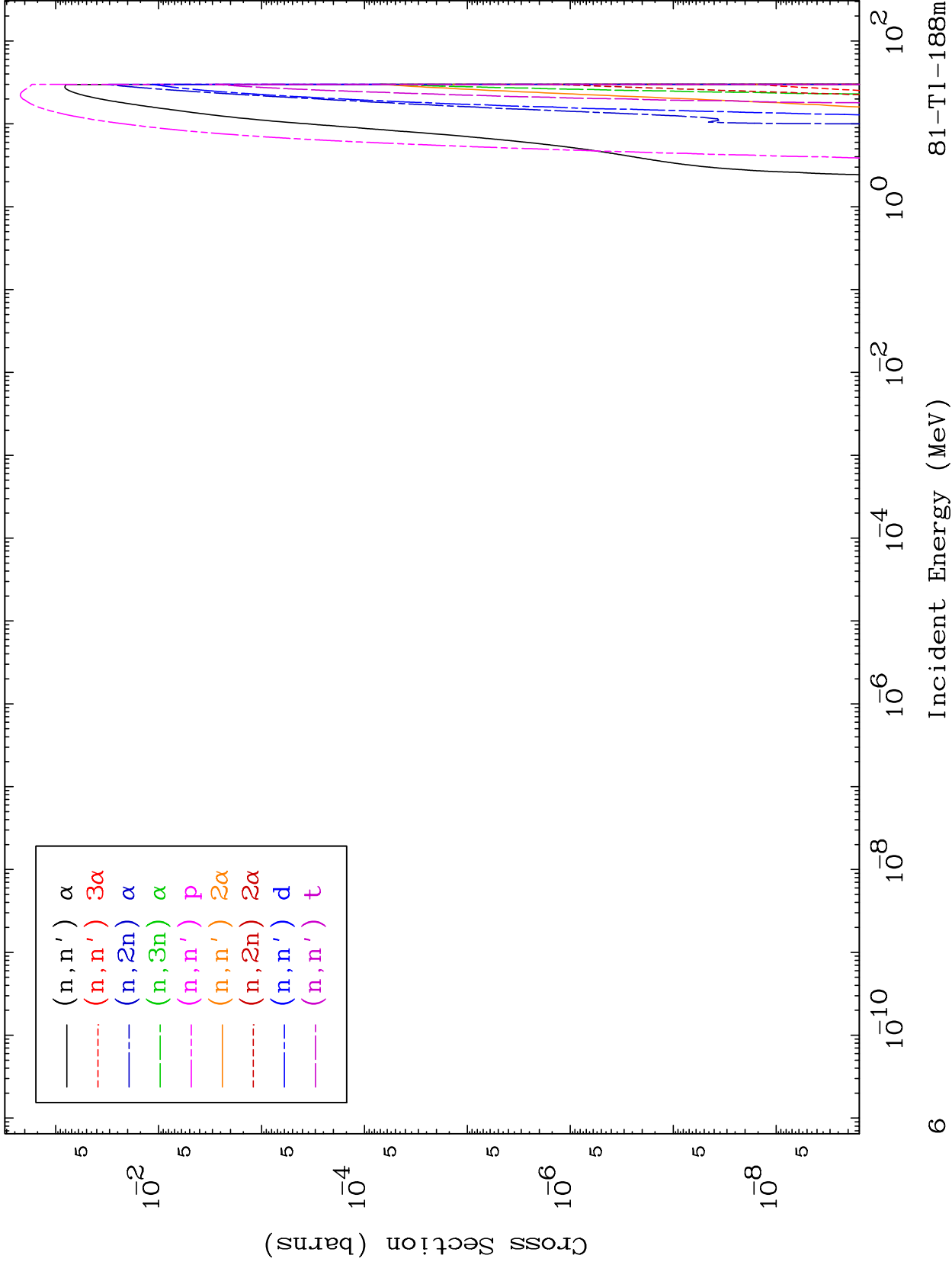
81-TI-188m



MAT 8081

Charged Particle
293 Kelvin Cross Sections

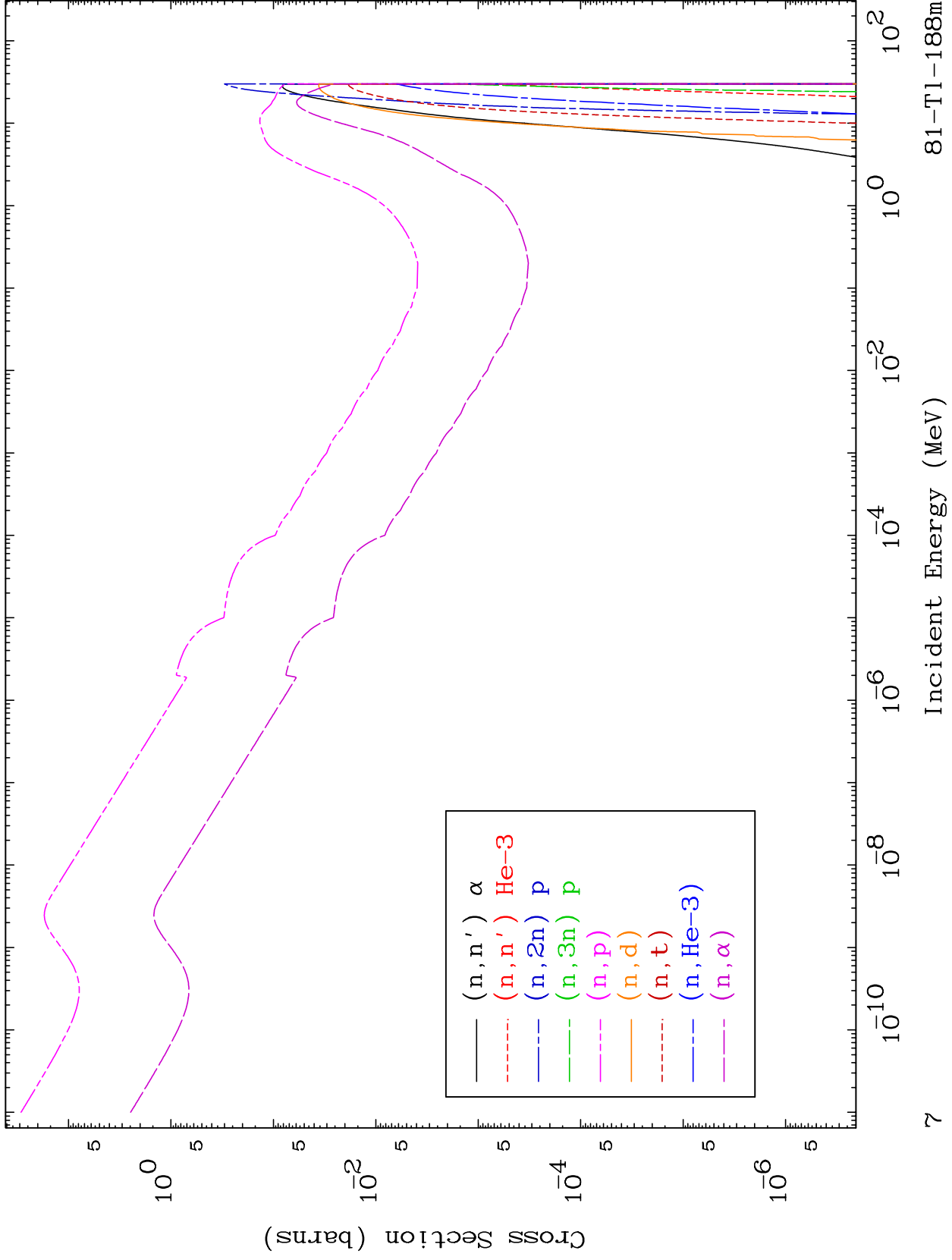
81-Tl-188m



MAT 8081

Charged Particle
293 Kelvin Cross Sections

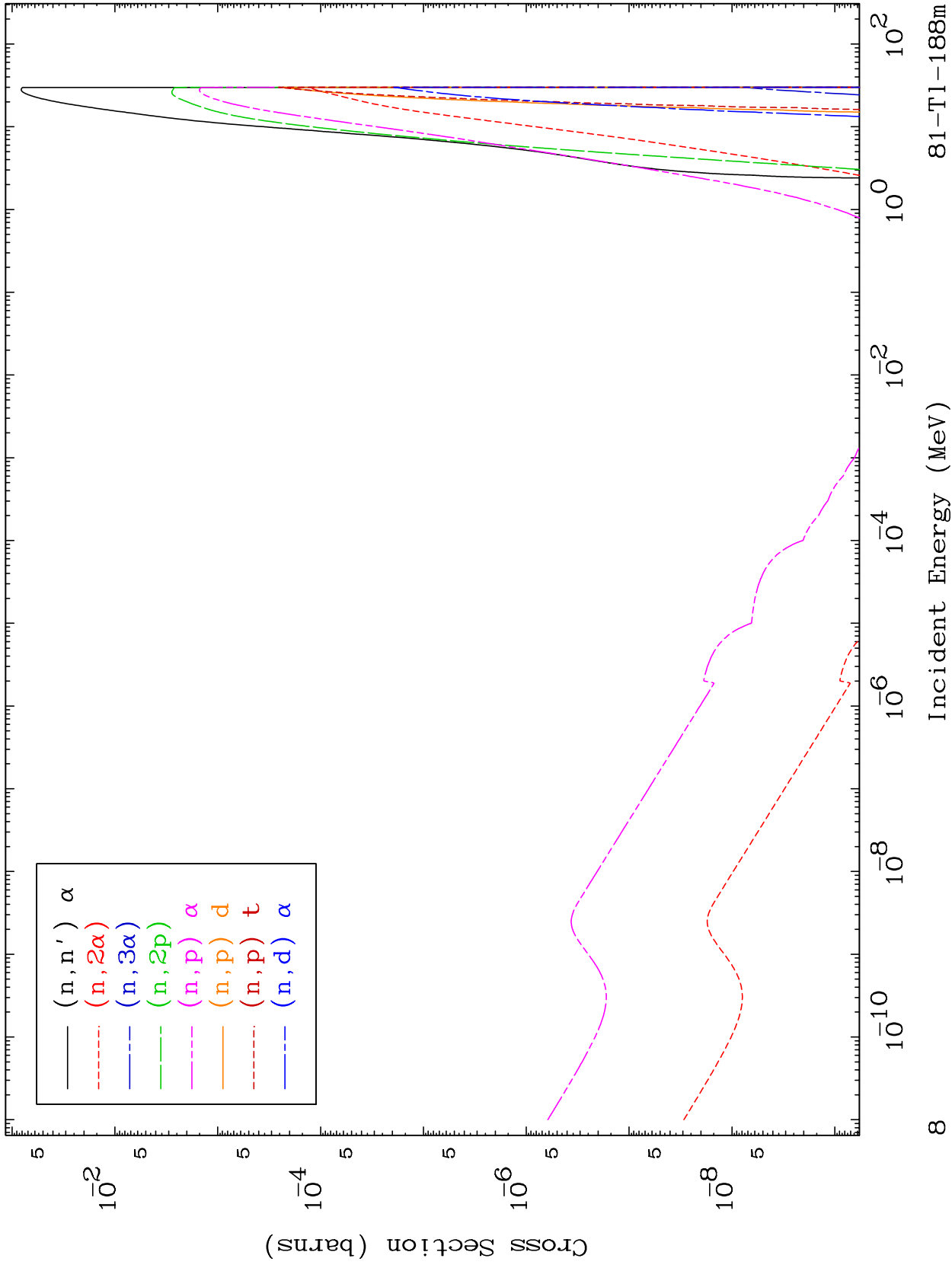
81-Tl-188m

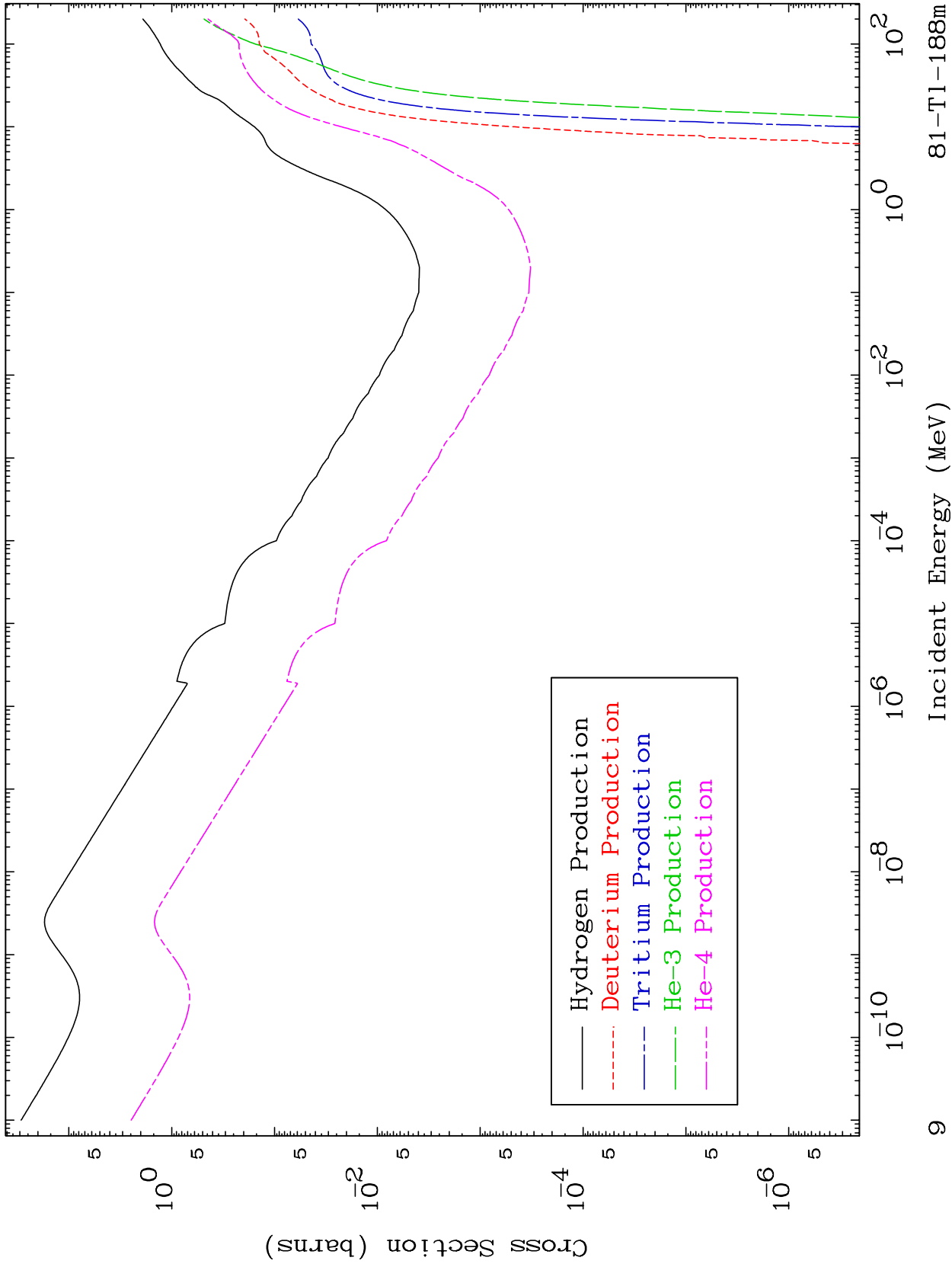


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Charged Particle
293 Kelvin Cross Sections

81-Tl-188m

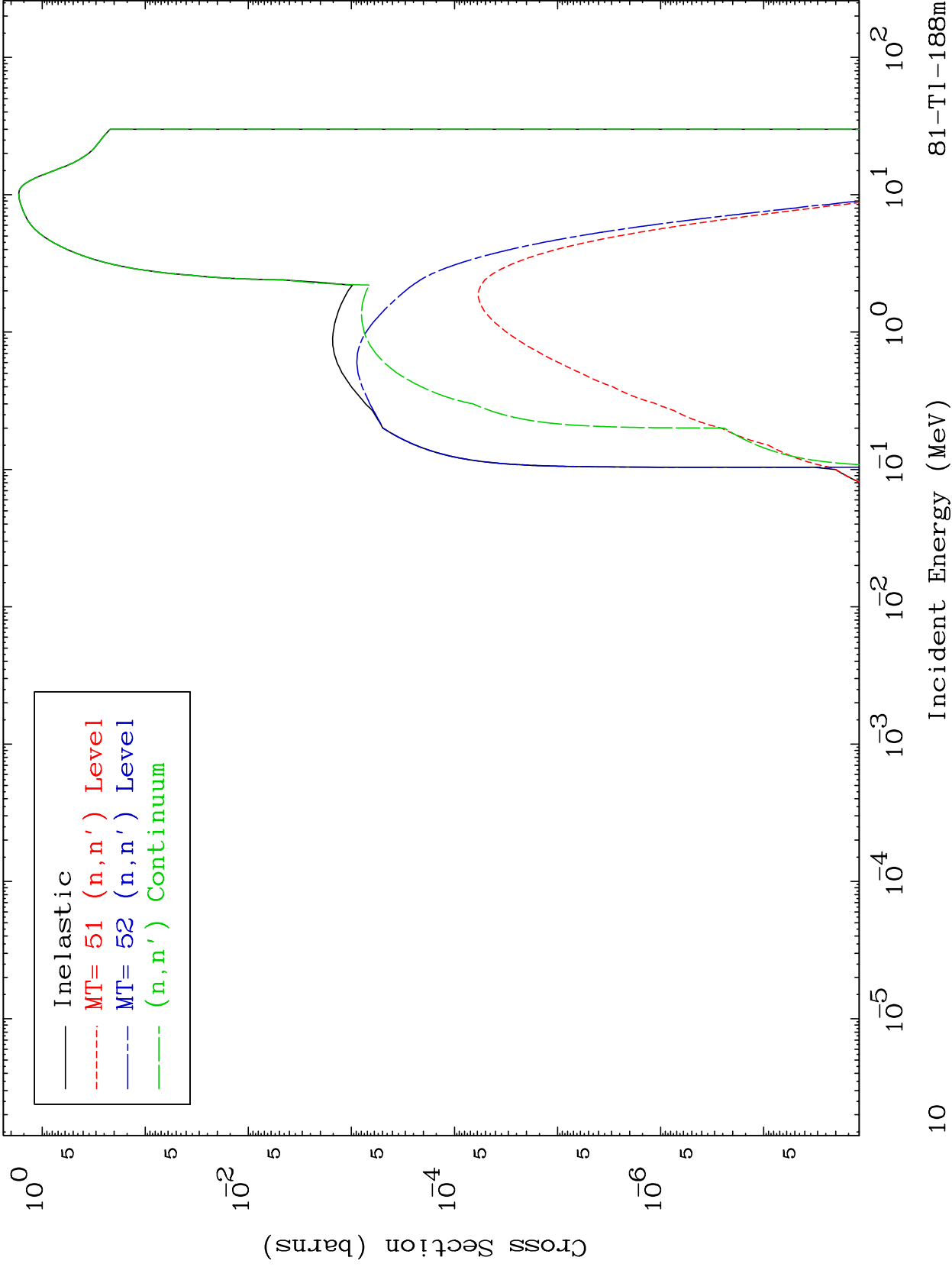




MAT 8081

(n,n') Levels
293 Kelvin Cross Sections

81-Tl-188m



10

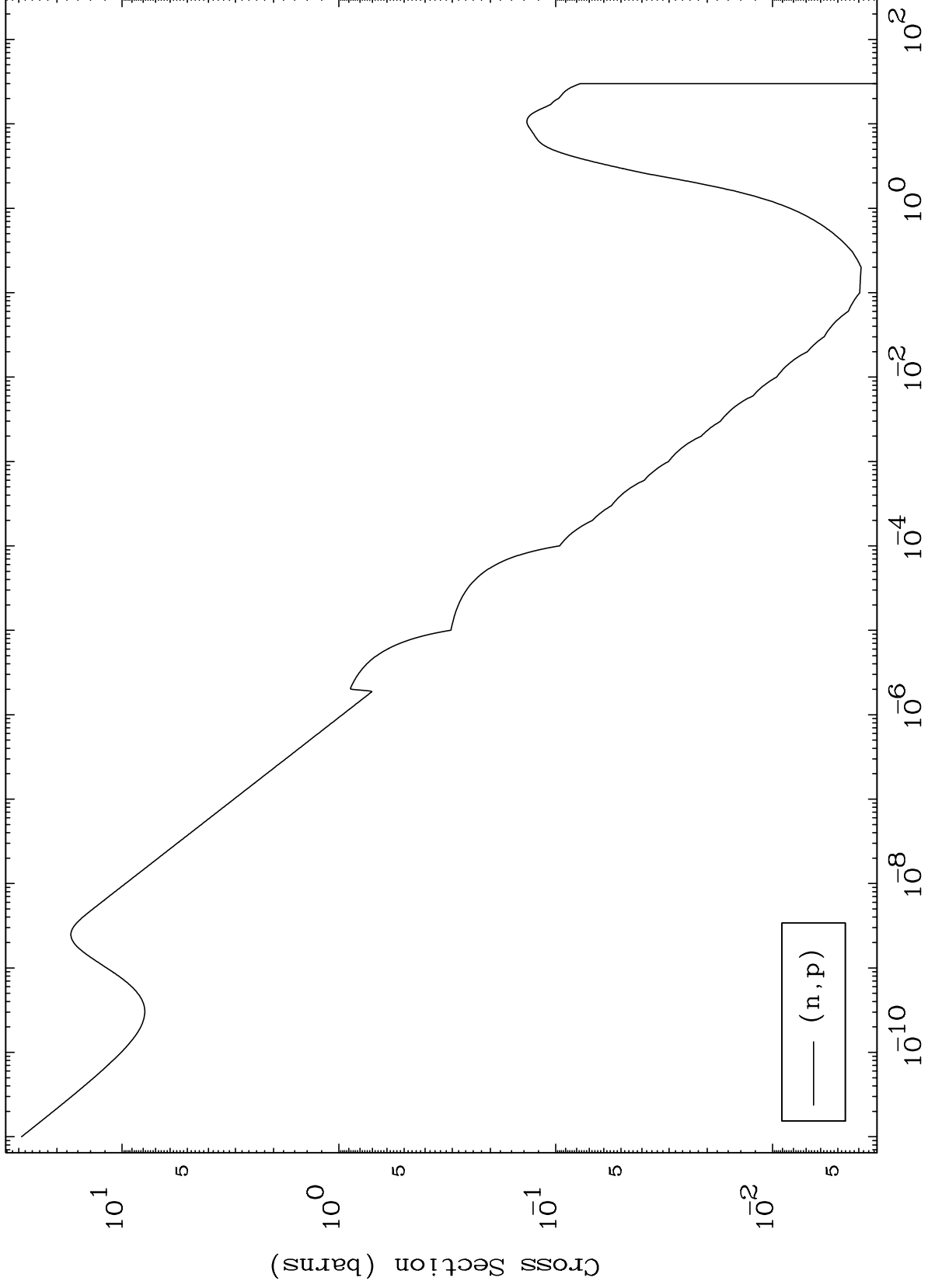
Incident Energy (MeV)

81-Tl-188m

MAT 8081

(n,p) Levels
293 Kelvin Cross Sections

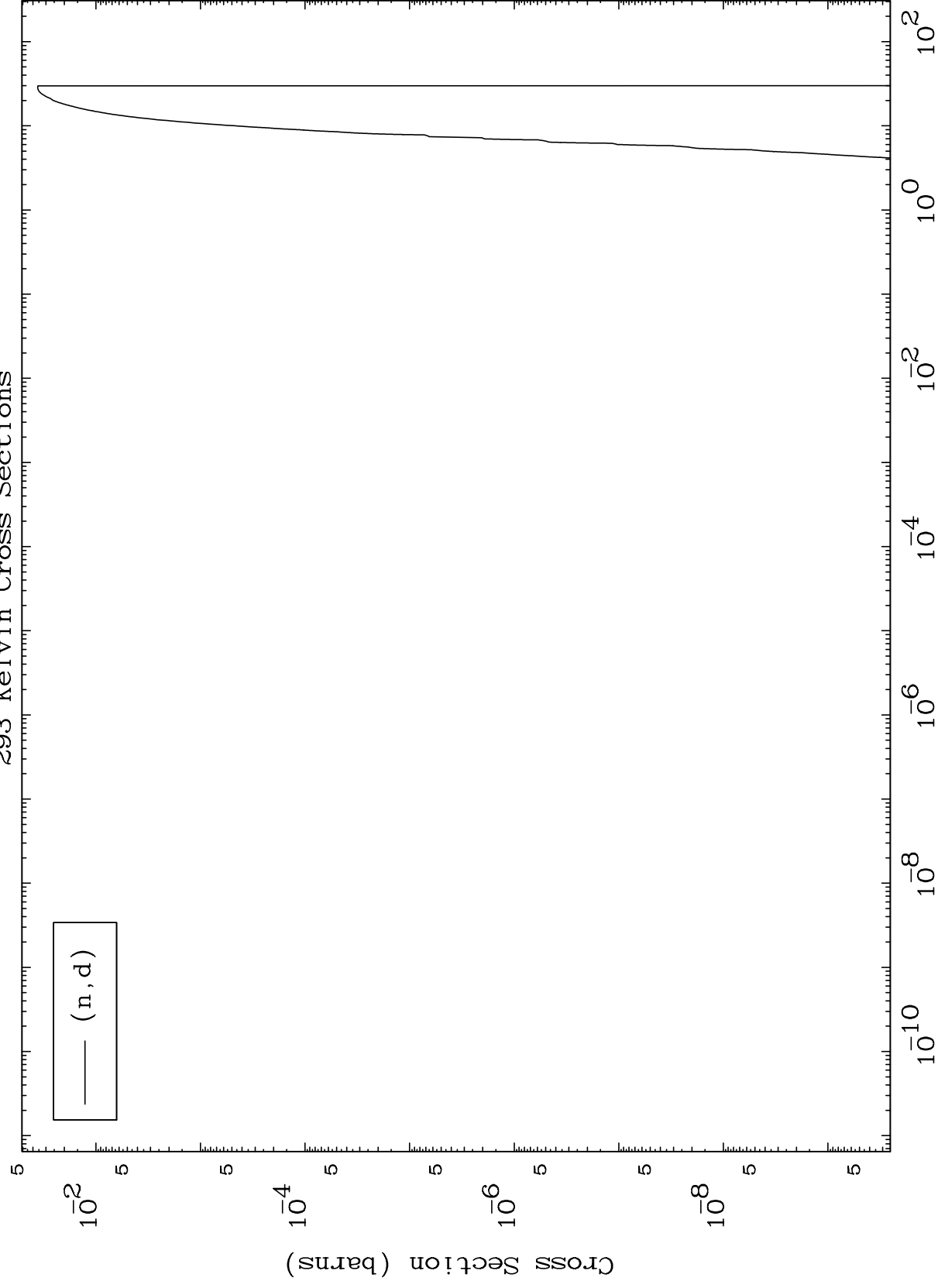
81-Tl-188m



MAT 8081

(n,d) Levels
293 Kelvin Cross Sections

81-Tl-188m



12

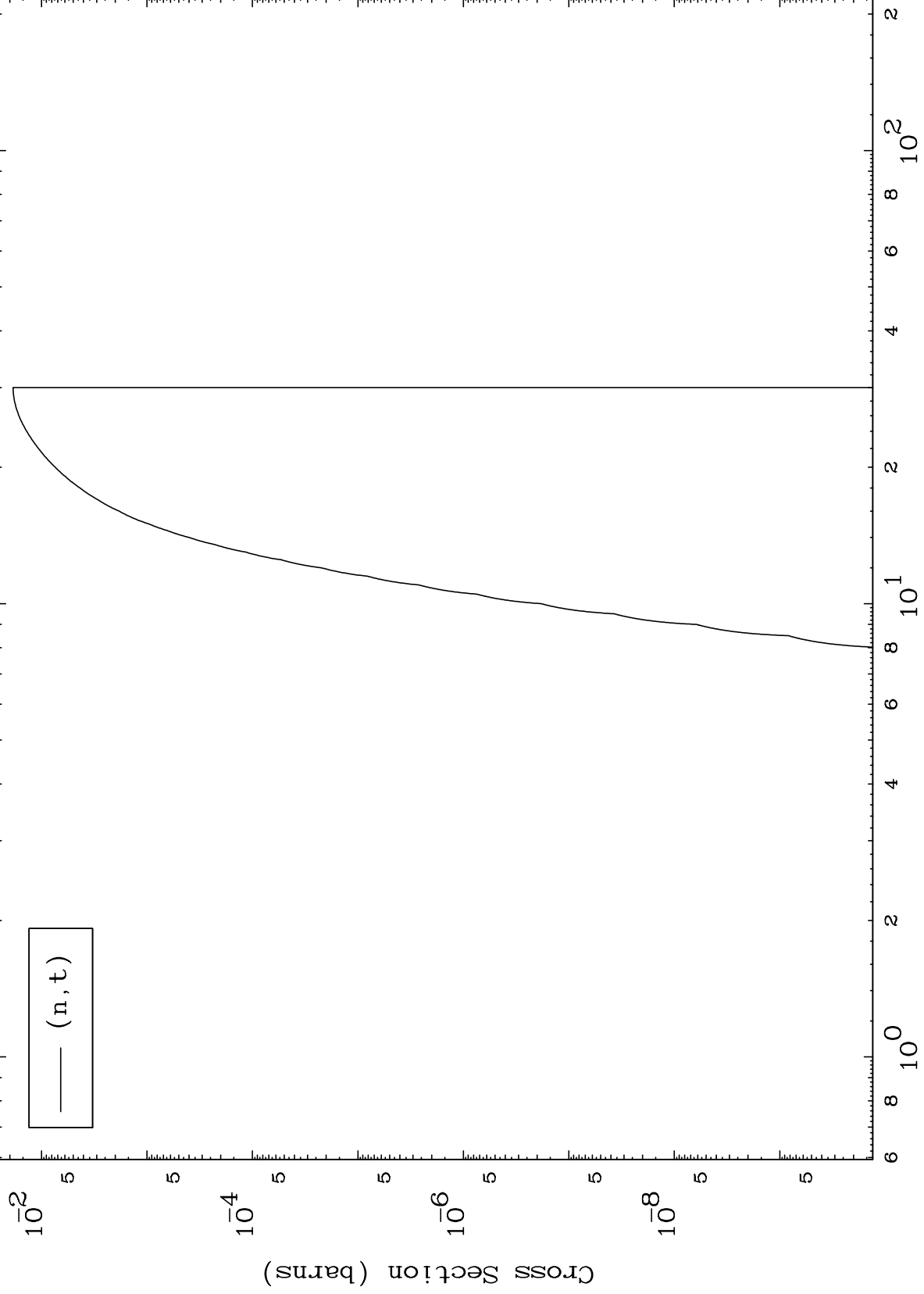
Incident Energy (MeV)

81-Tl-188m

MAT 8081

(n,t) Levels
293 Kelvin Cross Sections

81-Tl-188m



13

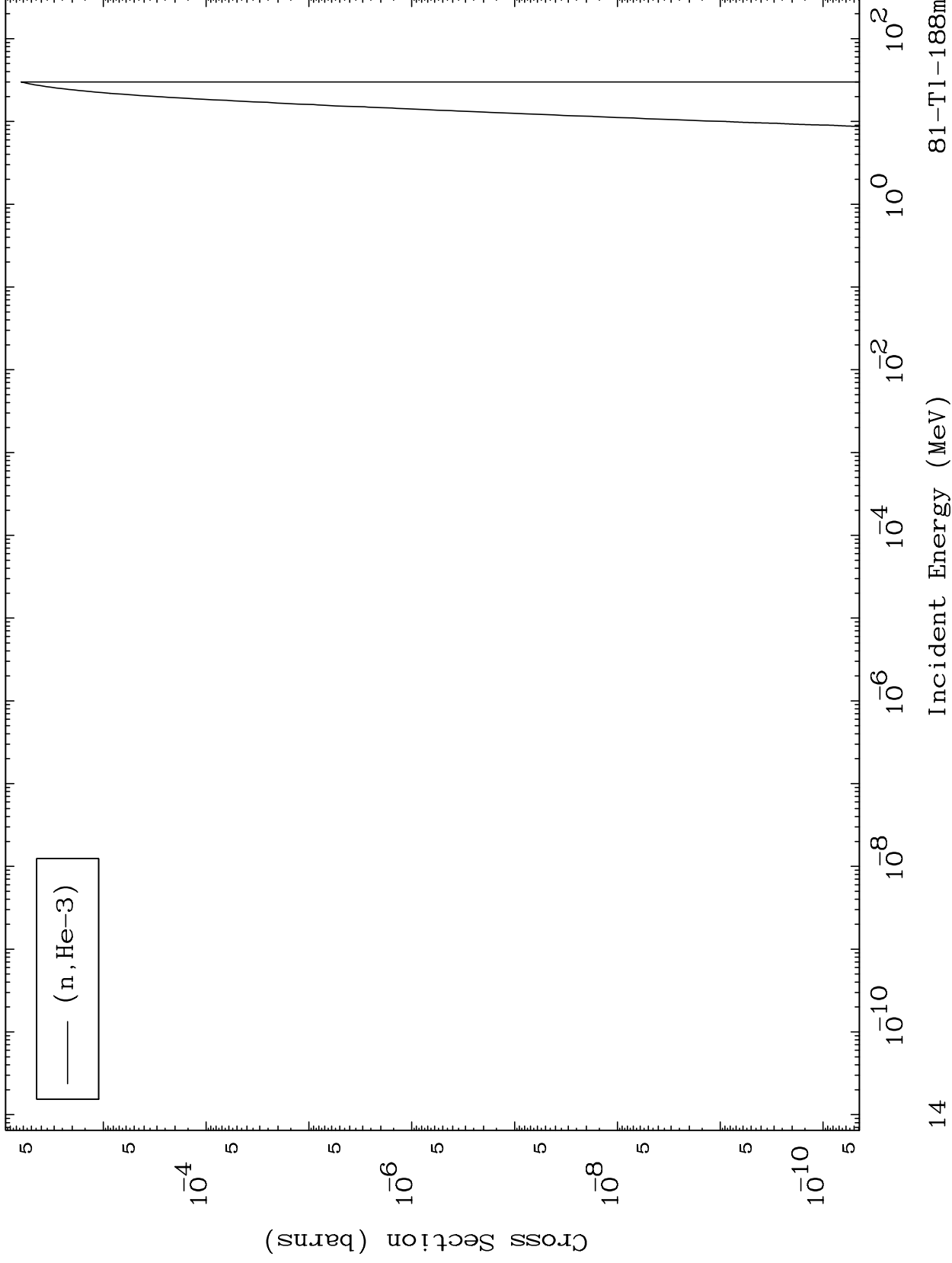
Incident Energy (MeV)

81-Tl-188m

MAT 8081

(n,He3) Levels
293 Kelvin Cross Sections

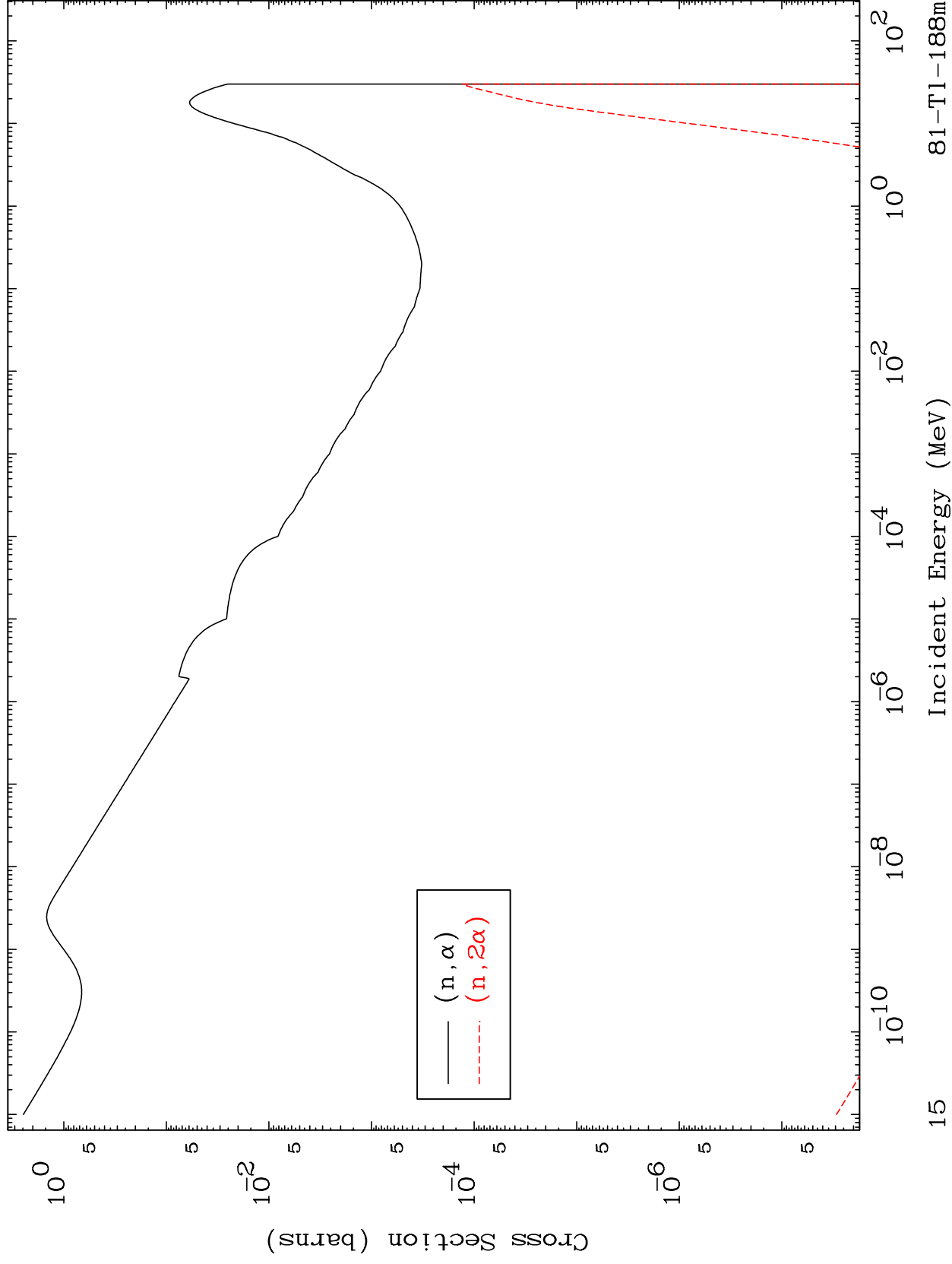
81-Tl-188m



MAT 8081

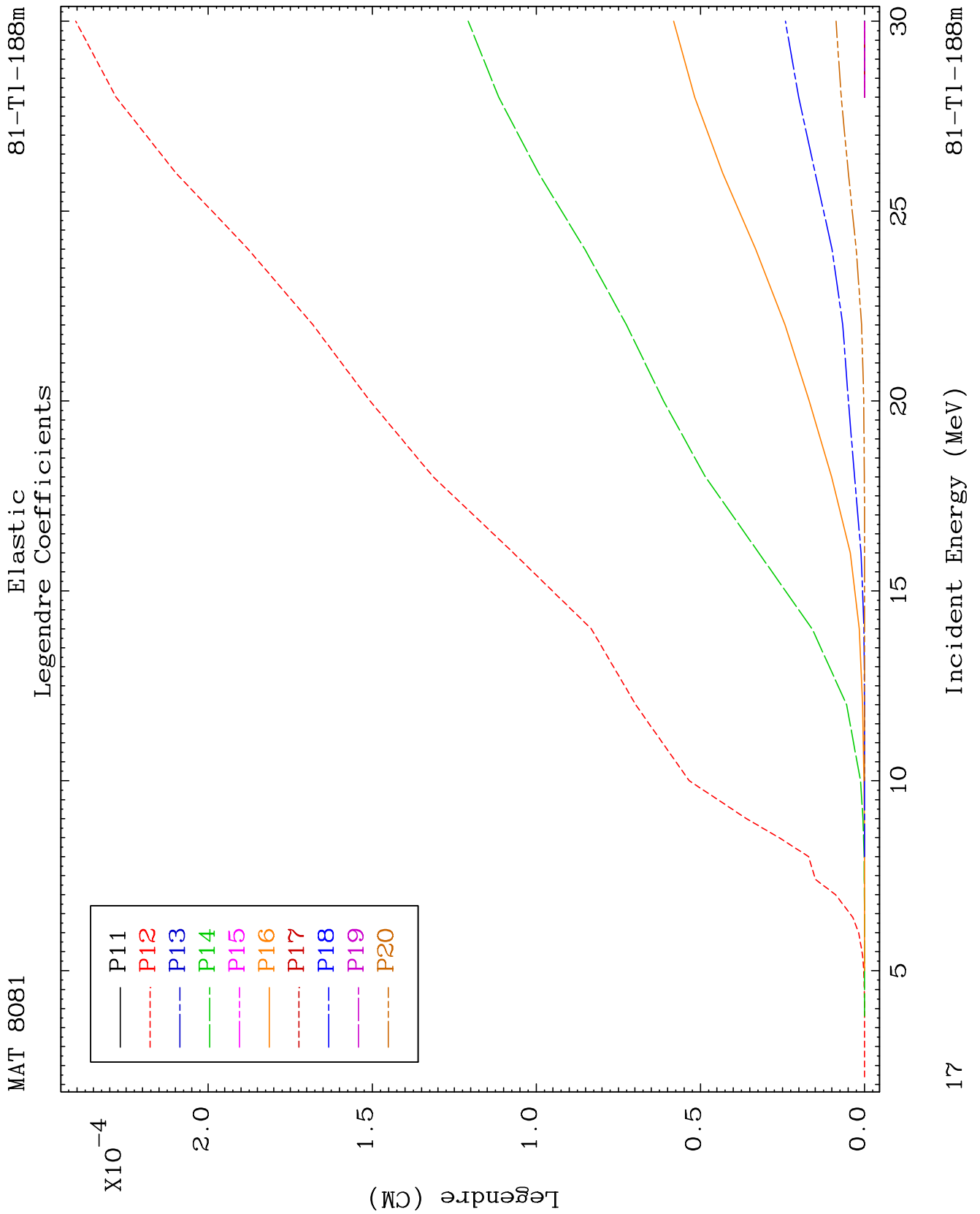
(n, α) Levels
293 Kelvin Cross Sections

81-Tl-188m



15

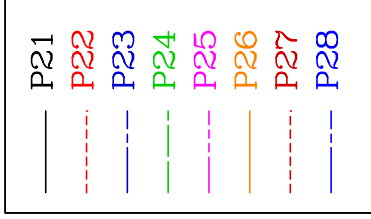
81-Tl-188m



MAT 8081

Elastic Legendre Coefficients

81-Tl-188m



$\times 10^{-6}$
1.0
0.8
0.6
0.4
0.2
0.0

Legendre (CM)

15 20 25 30

18

Incident Energy (MeV)

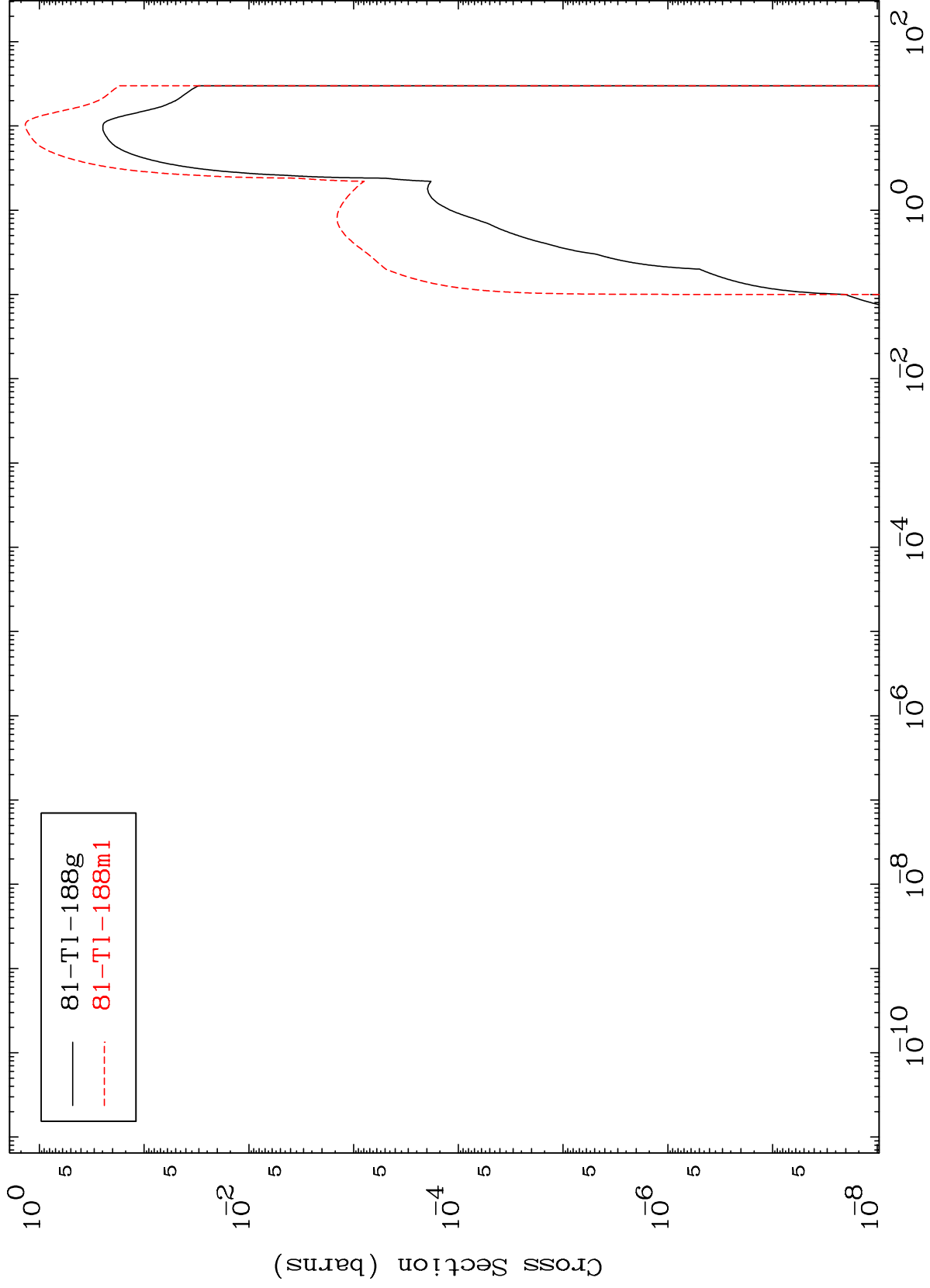
81-Tl-188m



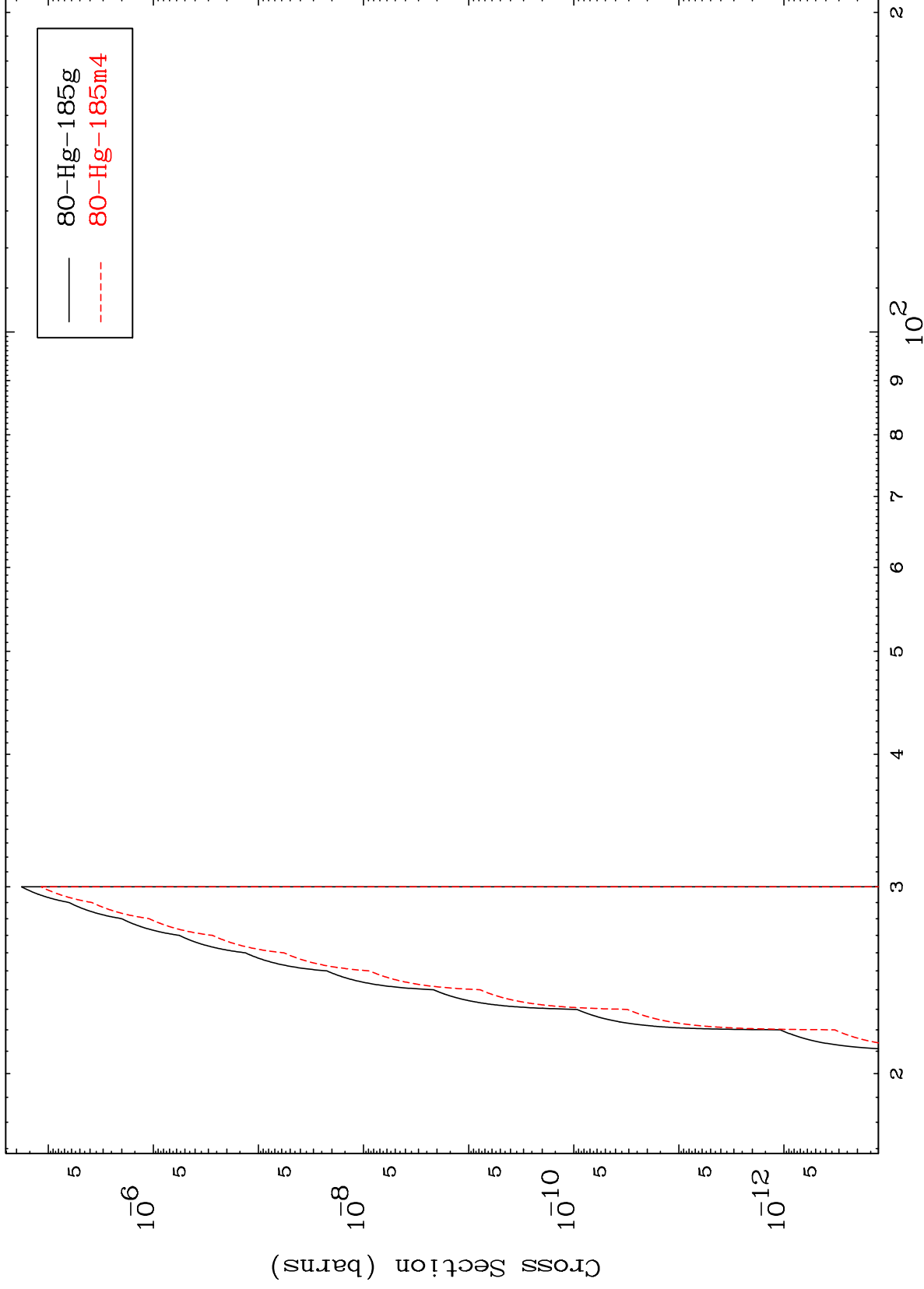
MAT 8081

Inelastic
Radionuclide Production Cross Section

81-Tl-188m



Radionuclide Production Cross Section

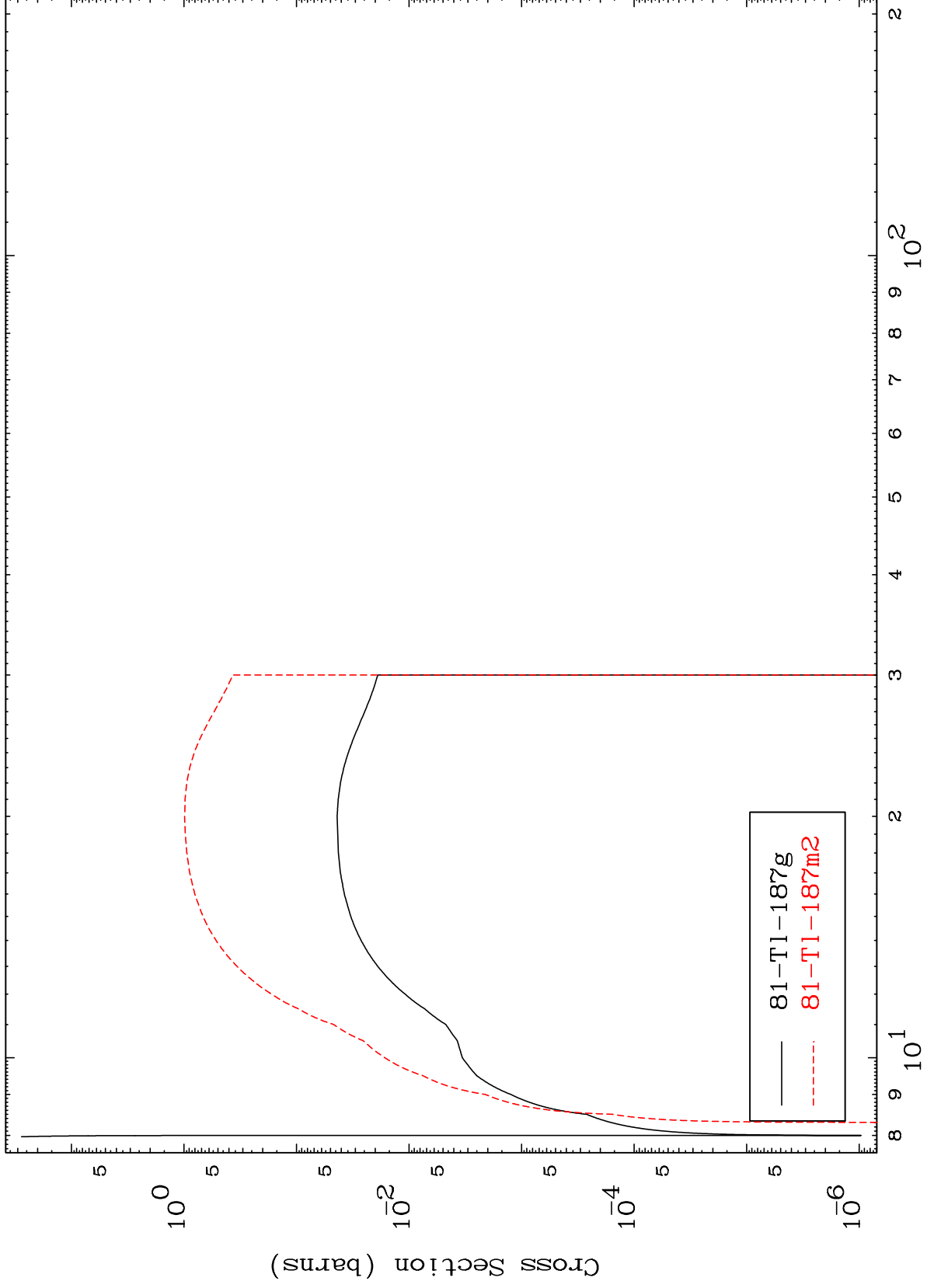


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(n,2n)

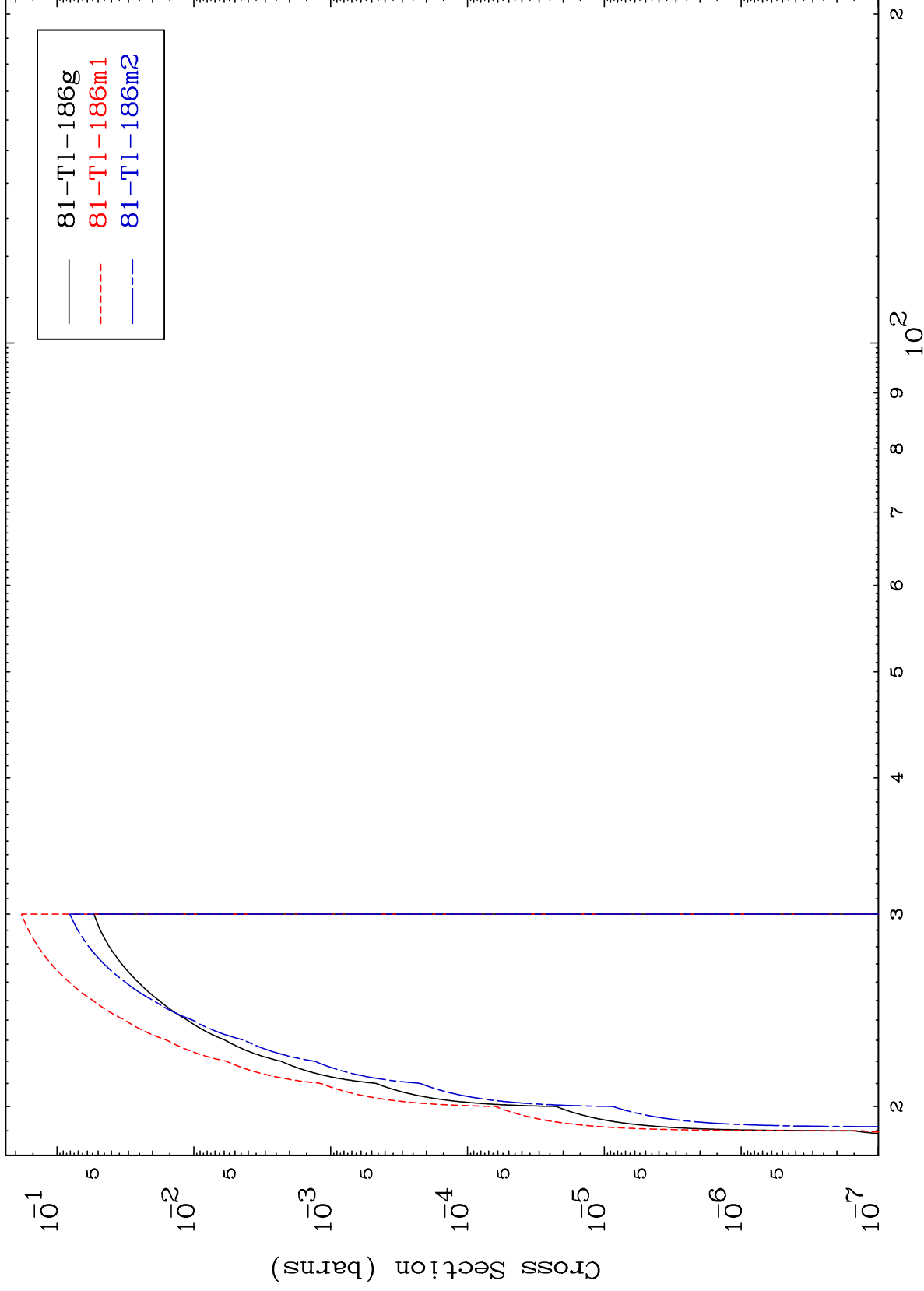
81-Tl-188m

Radionuclide Production Cross Section



21

Radionuclide Production Cross Section

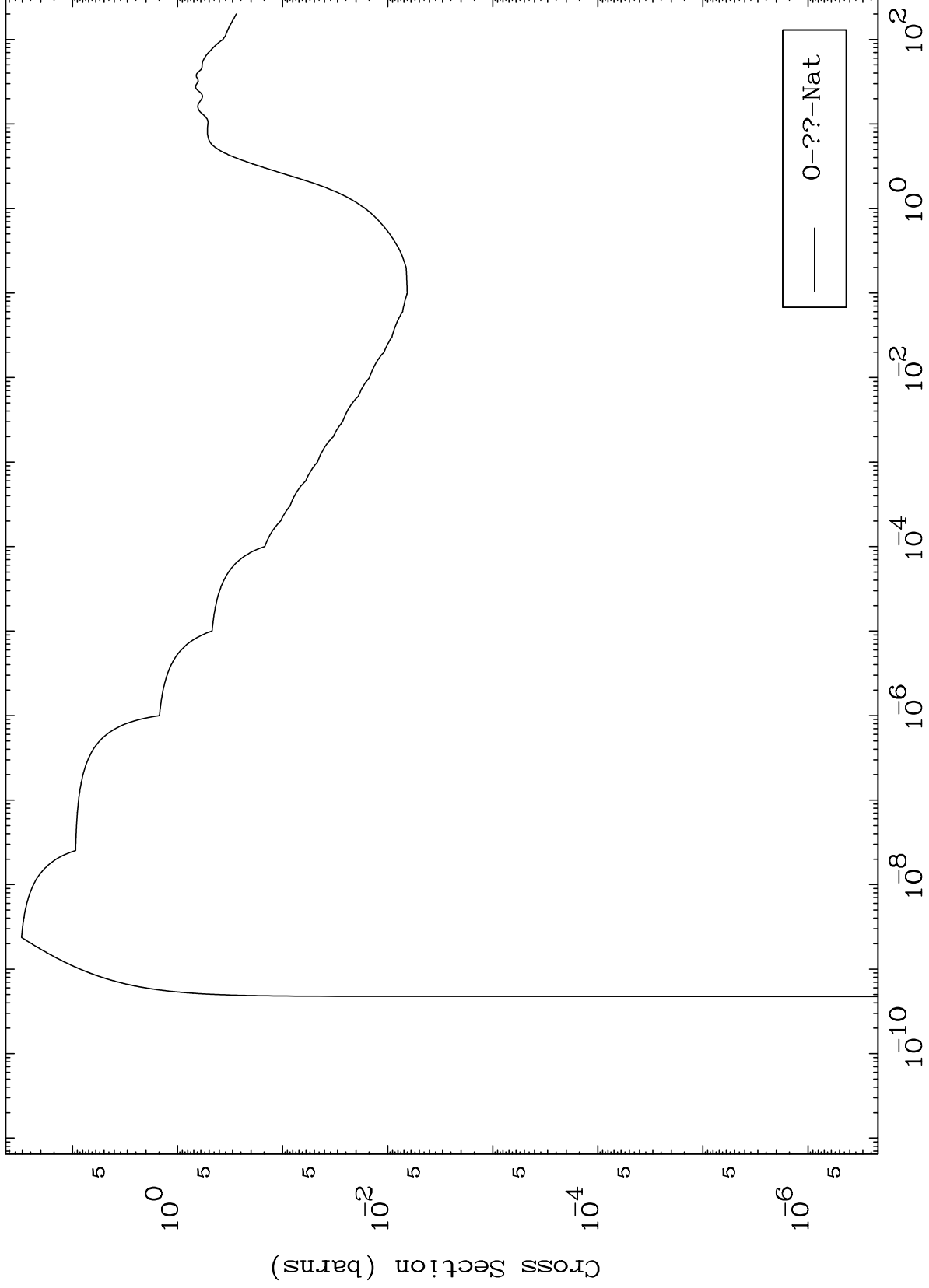


MAT 8081

Fission

81-Tl-188m

Radionuclide Production Cross Section

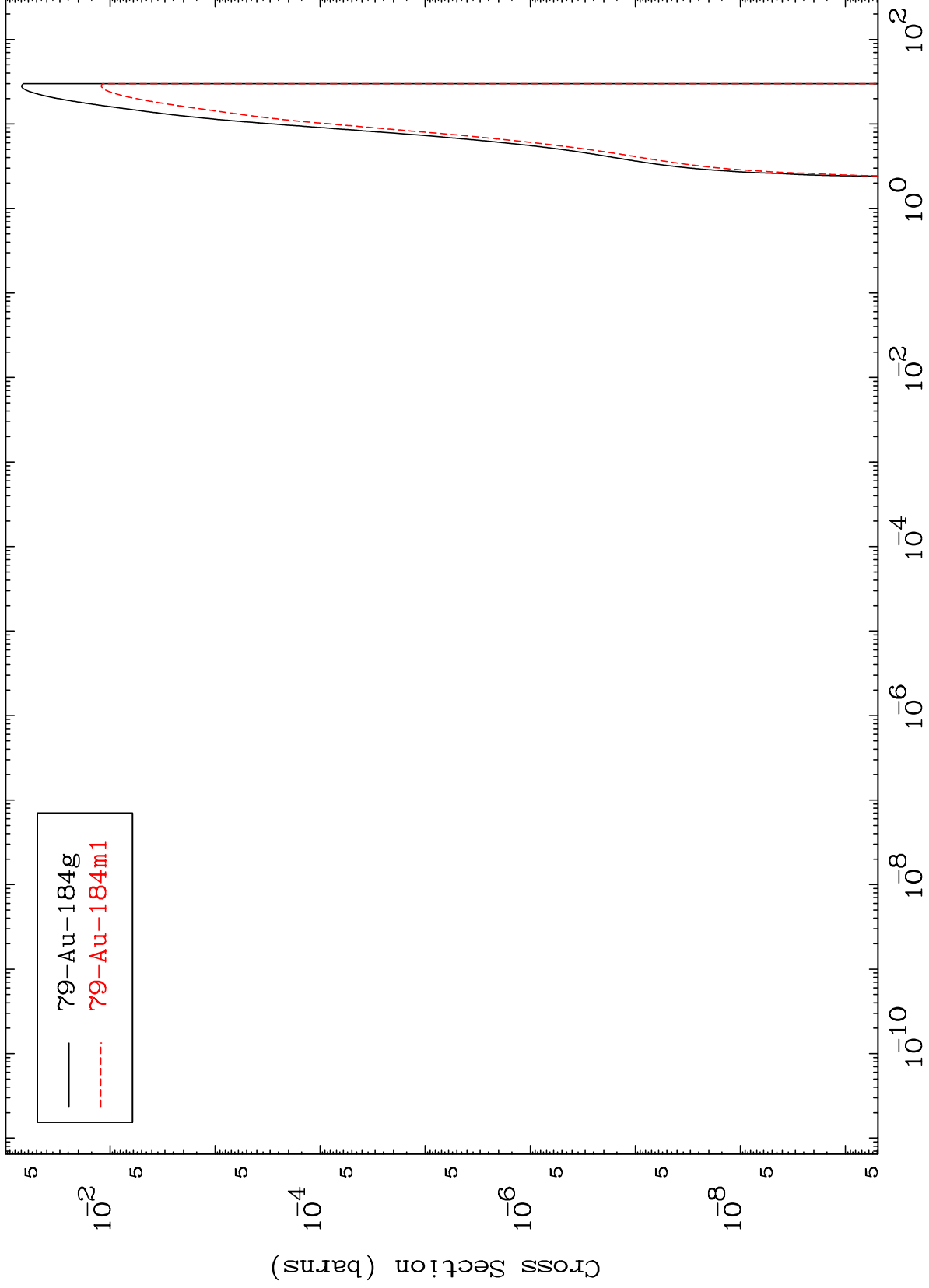


MAT 8081

$(n, n') \alpha$

81-Tl-188m

Radionuclide Production Cross Section

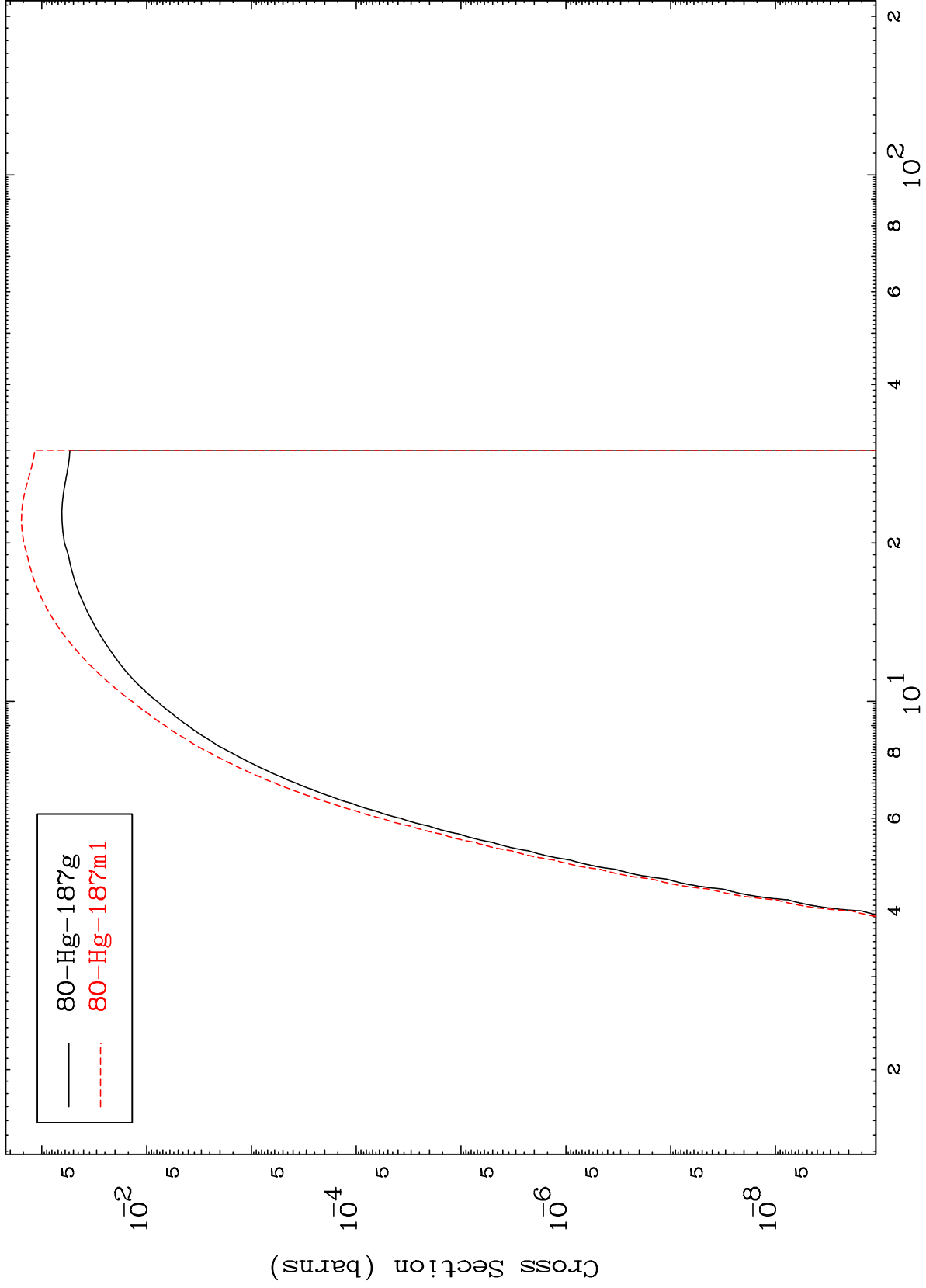


MAT 8081

(n,n') p

81-Tl-188m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

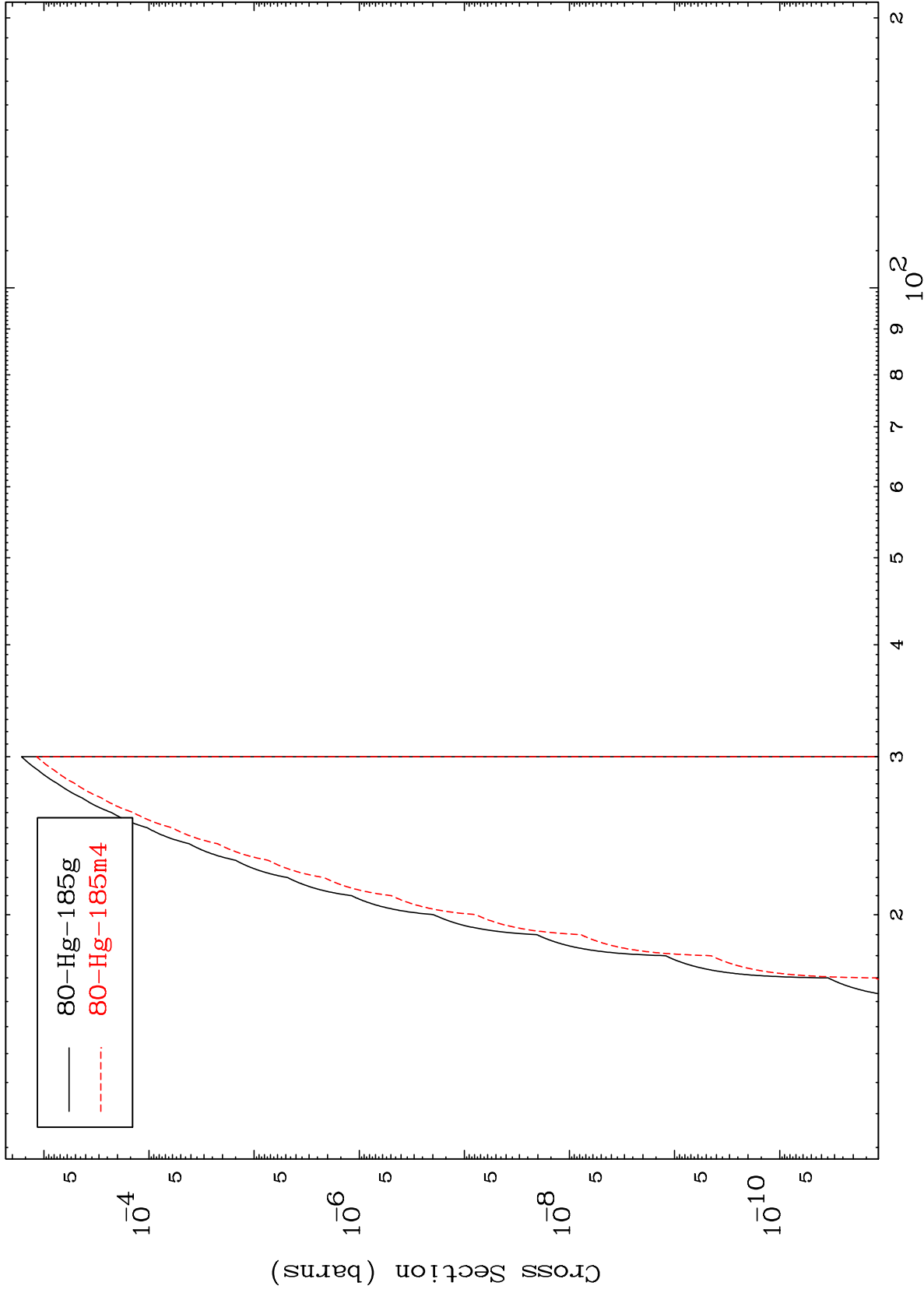
81-Tl-188m

MAT 8081

(n,n') t

81-Tl-188m

Radionuclide Production Cross Section



Incident Energy (MeV)

81-Tl-188m

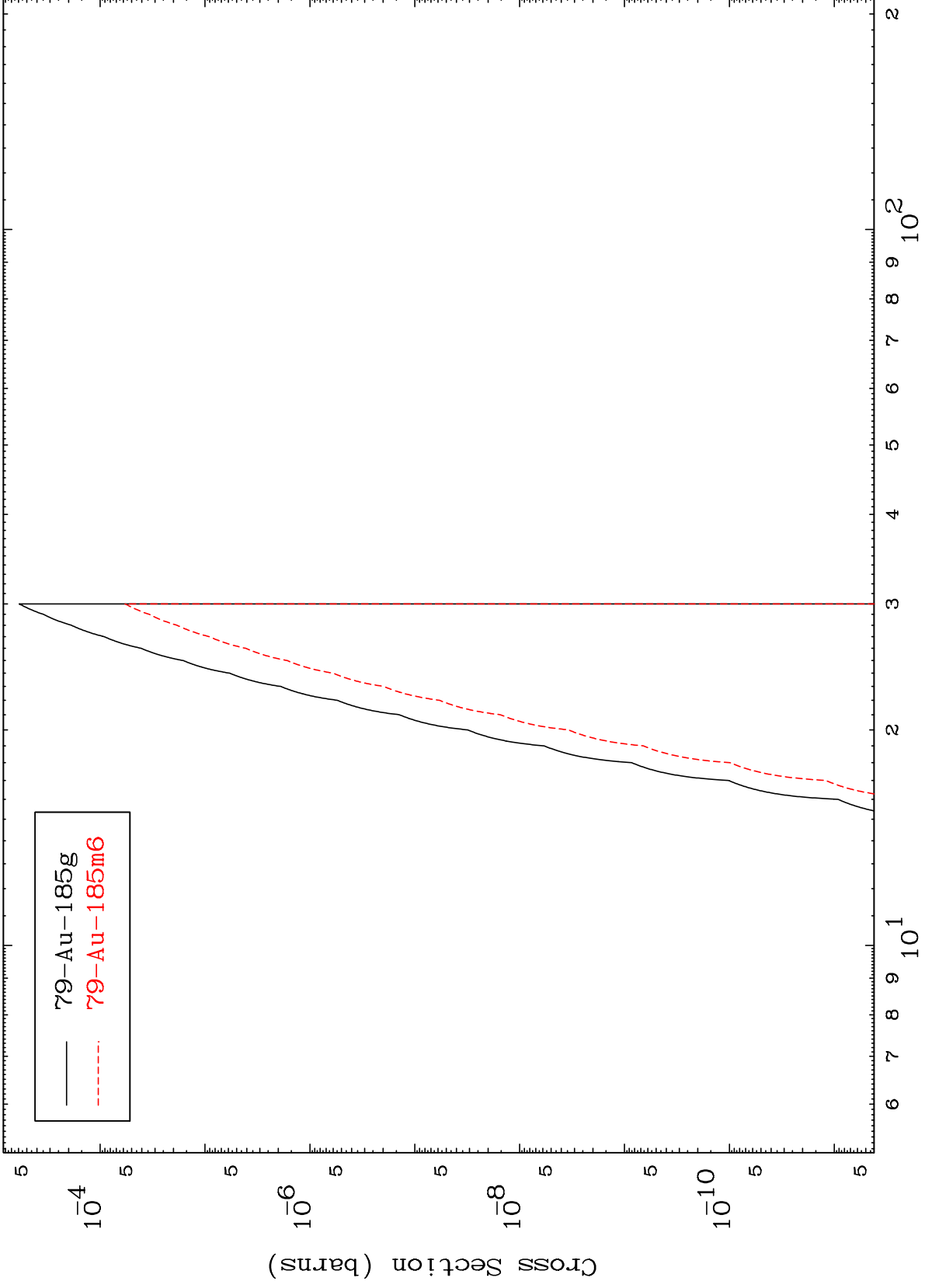
26

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(n,n') He-3

81-Tl-188m

Radionuclide Production Cross Section



27

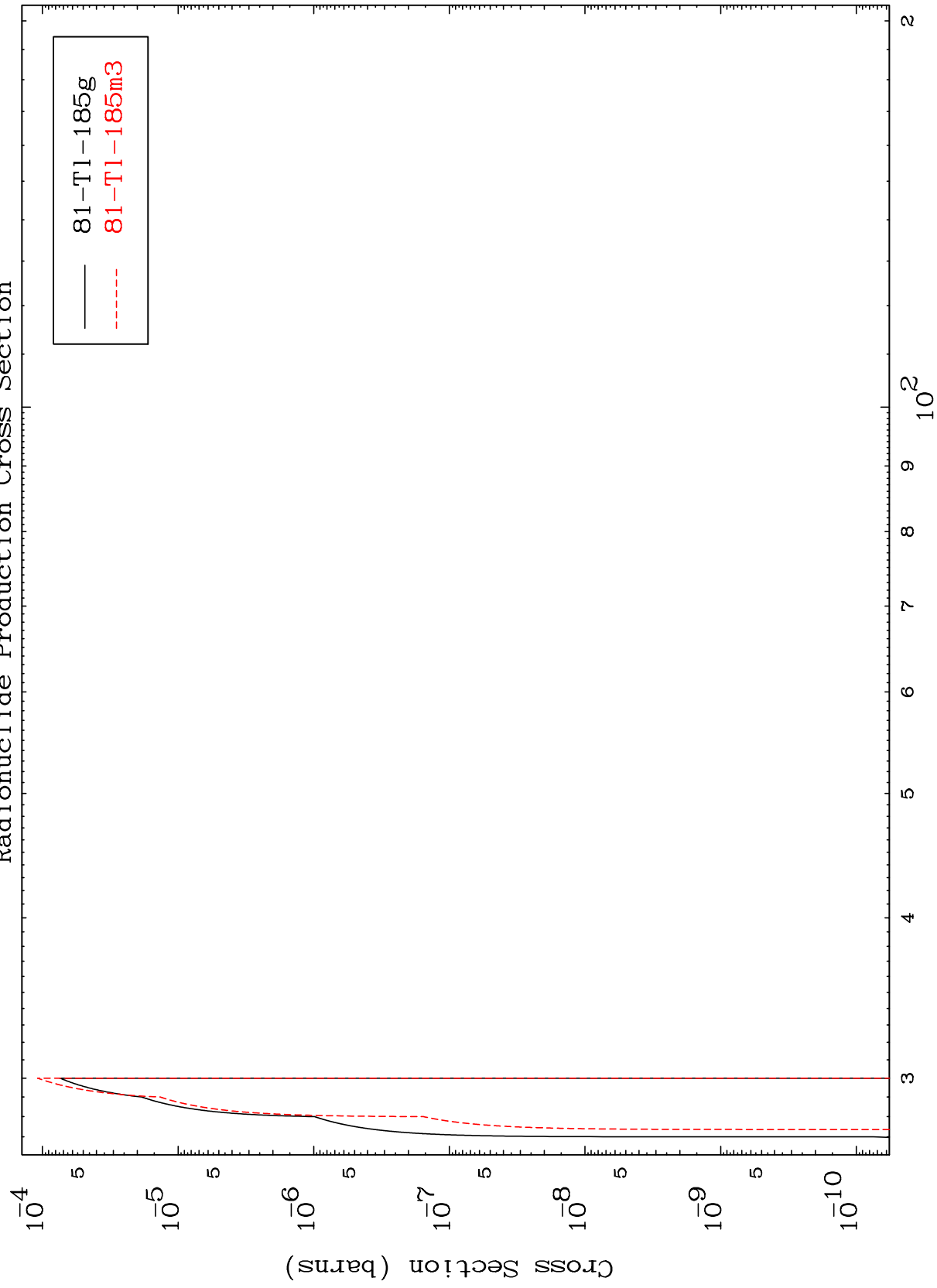
Incident Energy (MeV)

81-Tl-188m

MAT 8081

81-Tl-188m

(n,4n)
Radionuclide Production Cross Section



28

Incident Energy (MeV)

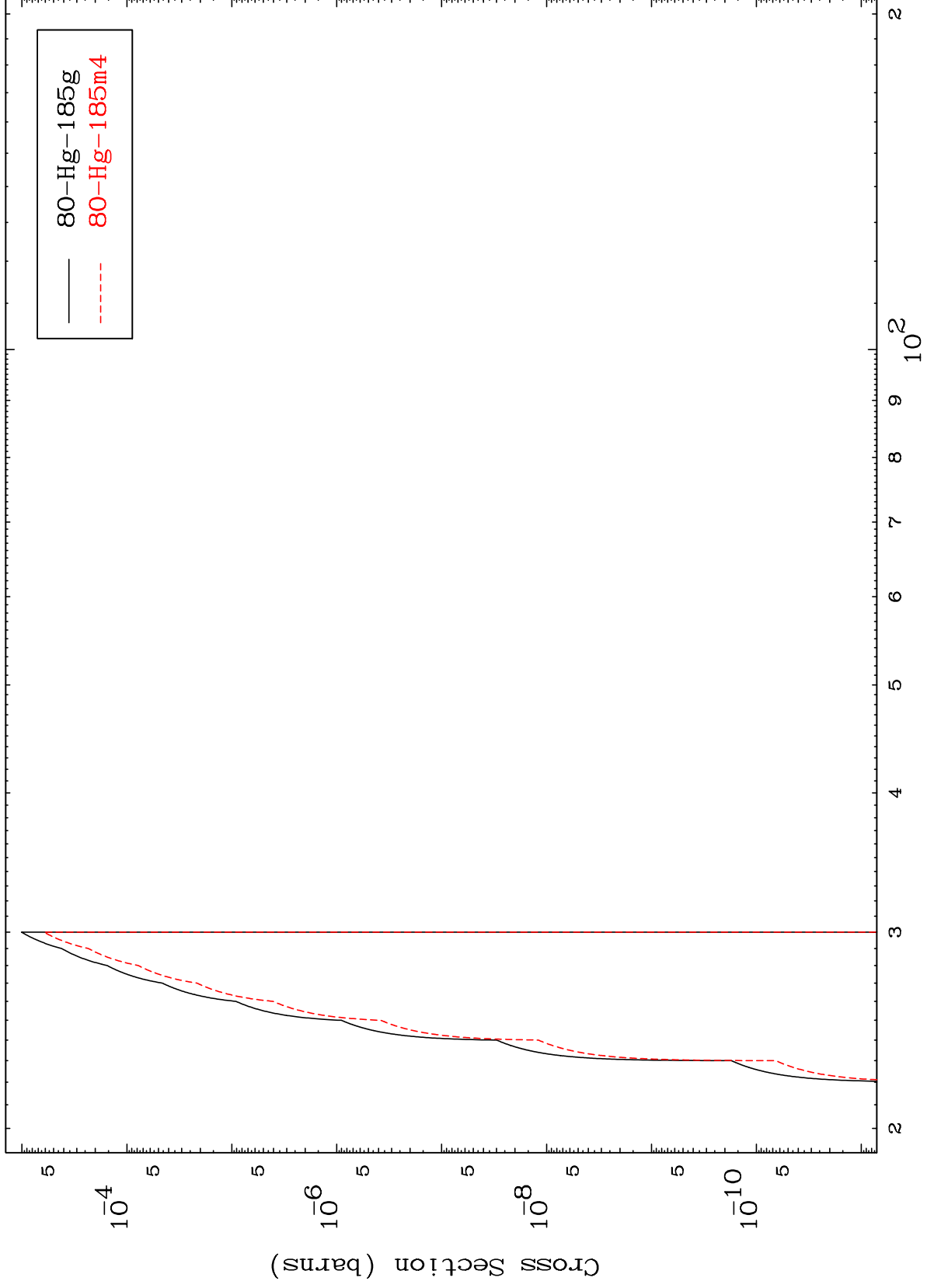
81-Tl-188m

MAT 8081

(n,3n) p

81-Tl-188m

Radionuclide Production Cross Section



29

Incident Energy (MeV)

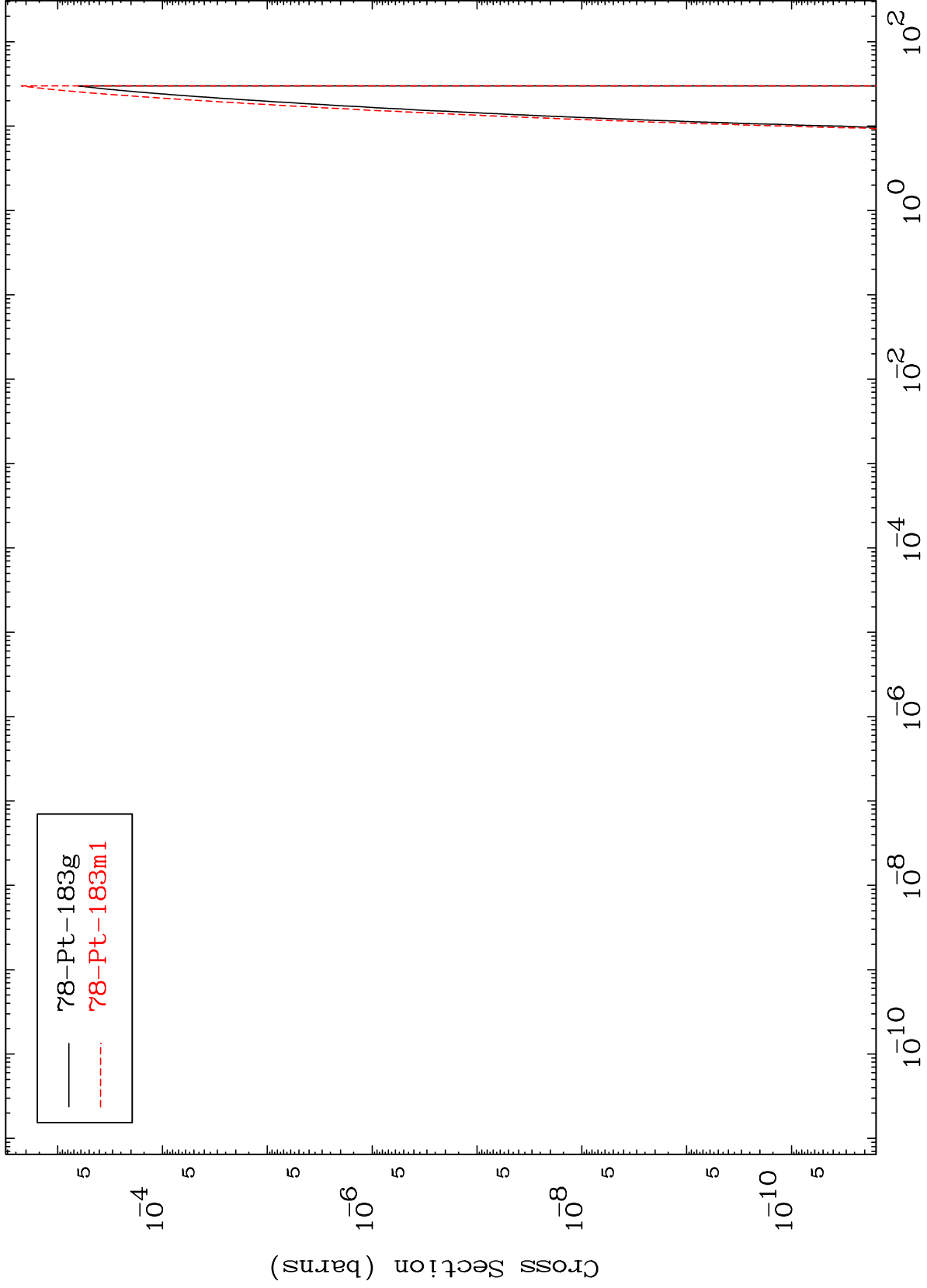
81-Tl-188m

MAT 8081

(n,n') p α

81-Tl-188m

Radionuclide Production Cross Section

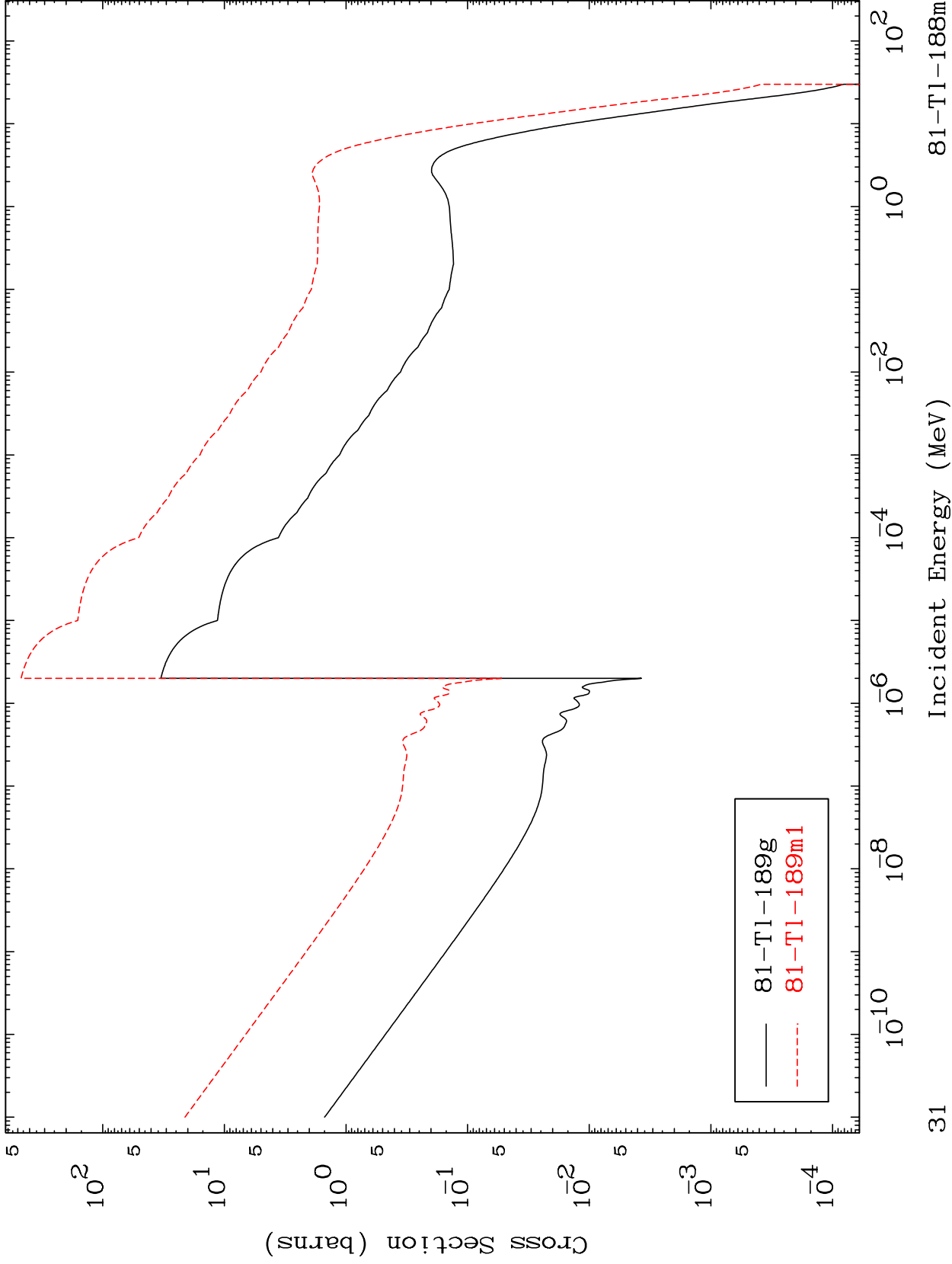


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81-Tl-188m

Radionuclide Production Cross Section

(n, γ)

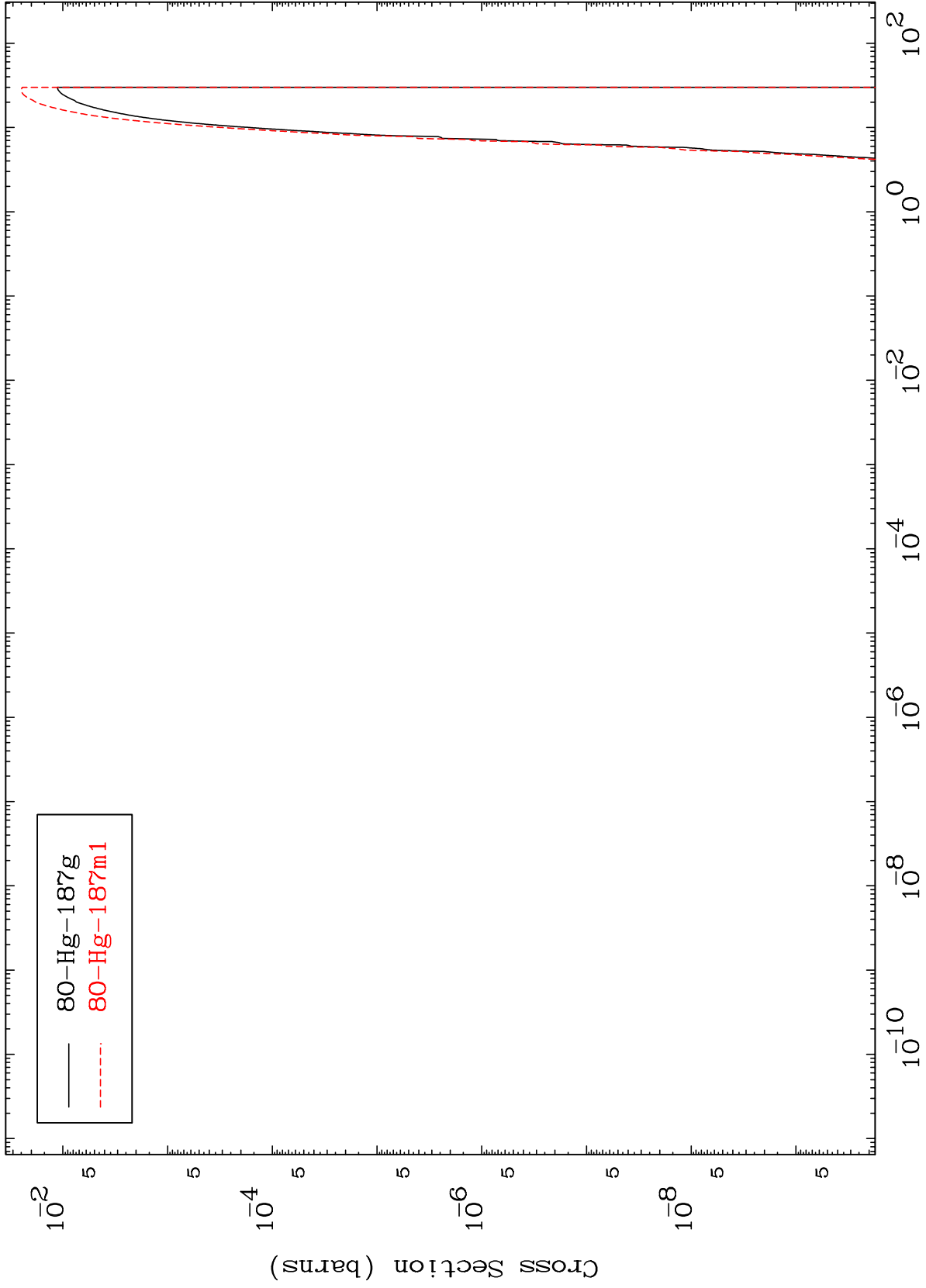


MAT 8081

(n,d)

81-Tl-188m

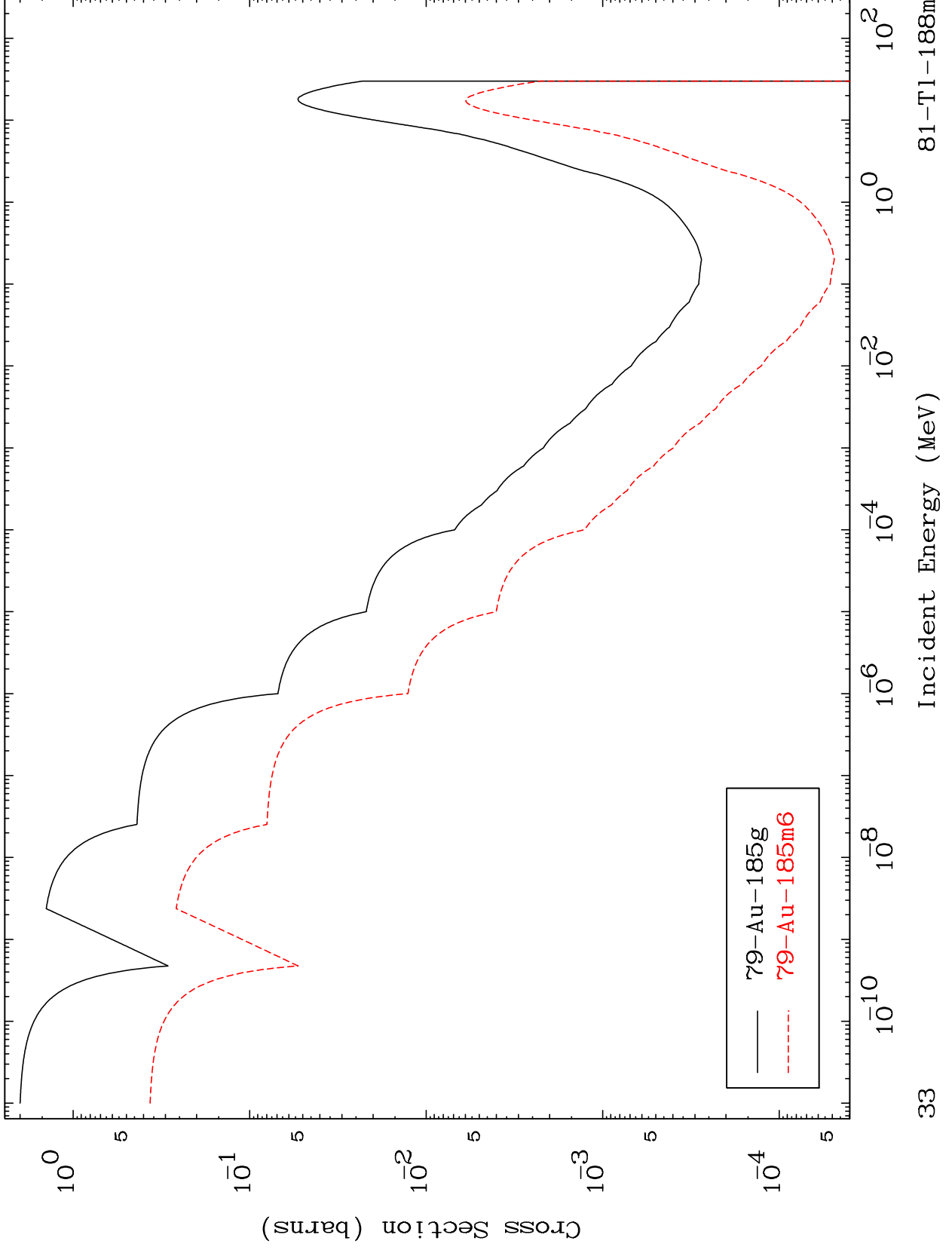
Radionuclide Production Cross Section



MAT 8081

81-Tl-188m

(n, α)
Radionuclide Production Cross Section

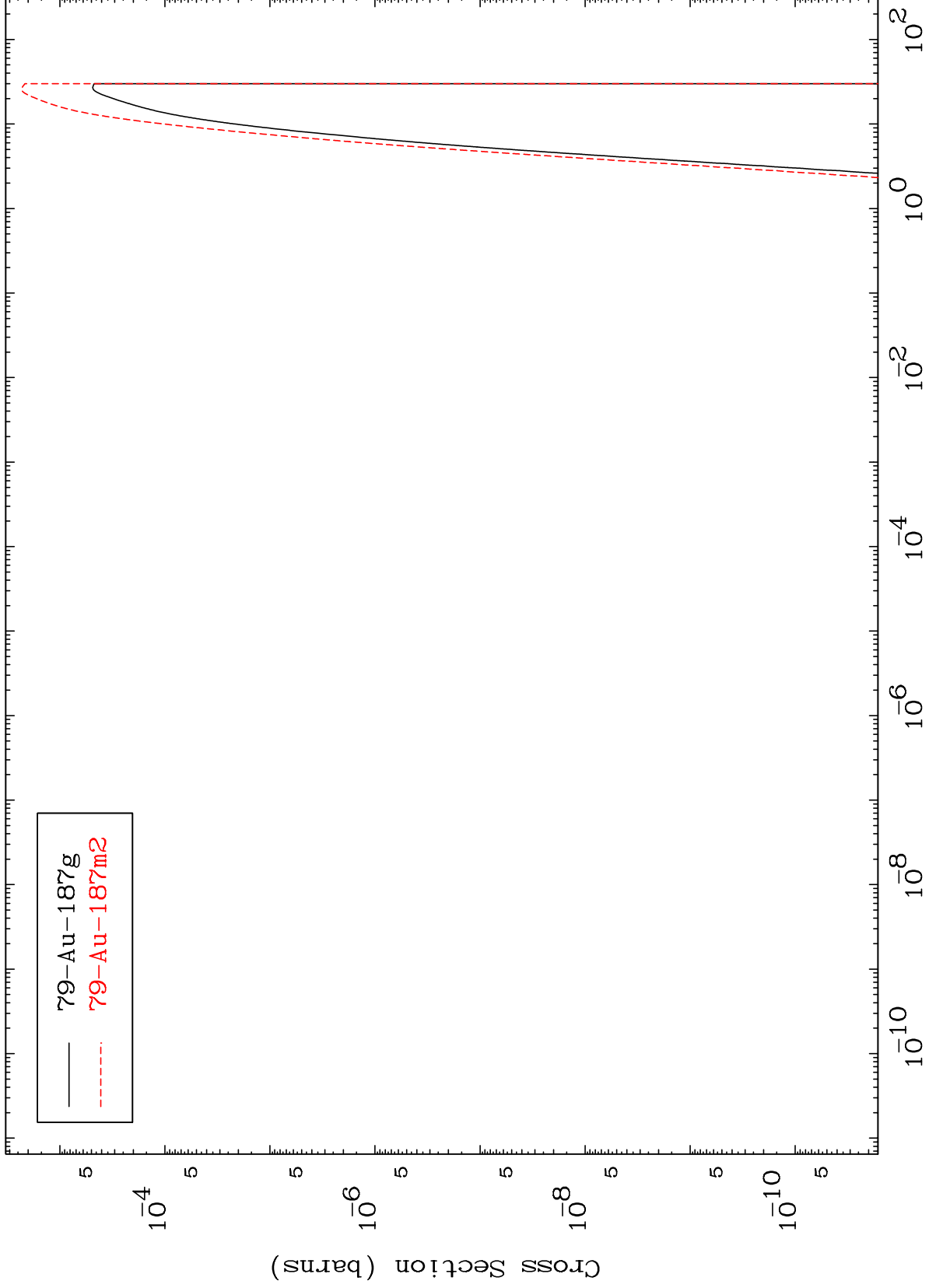


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(n,2p)

81-Tl-188m

Radionuclide Production Cross Section

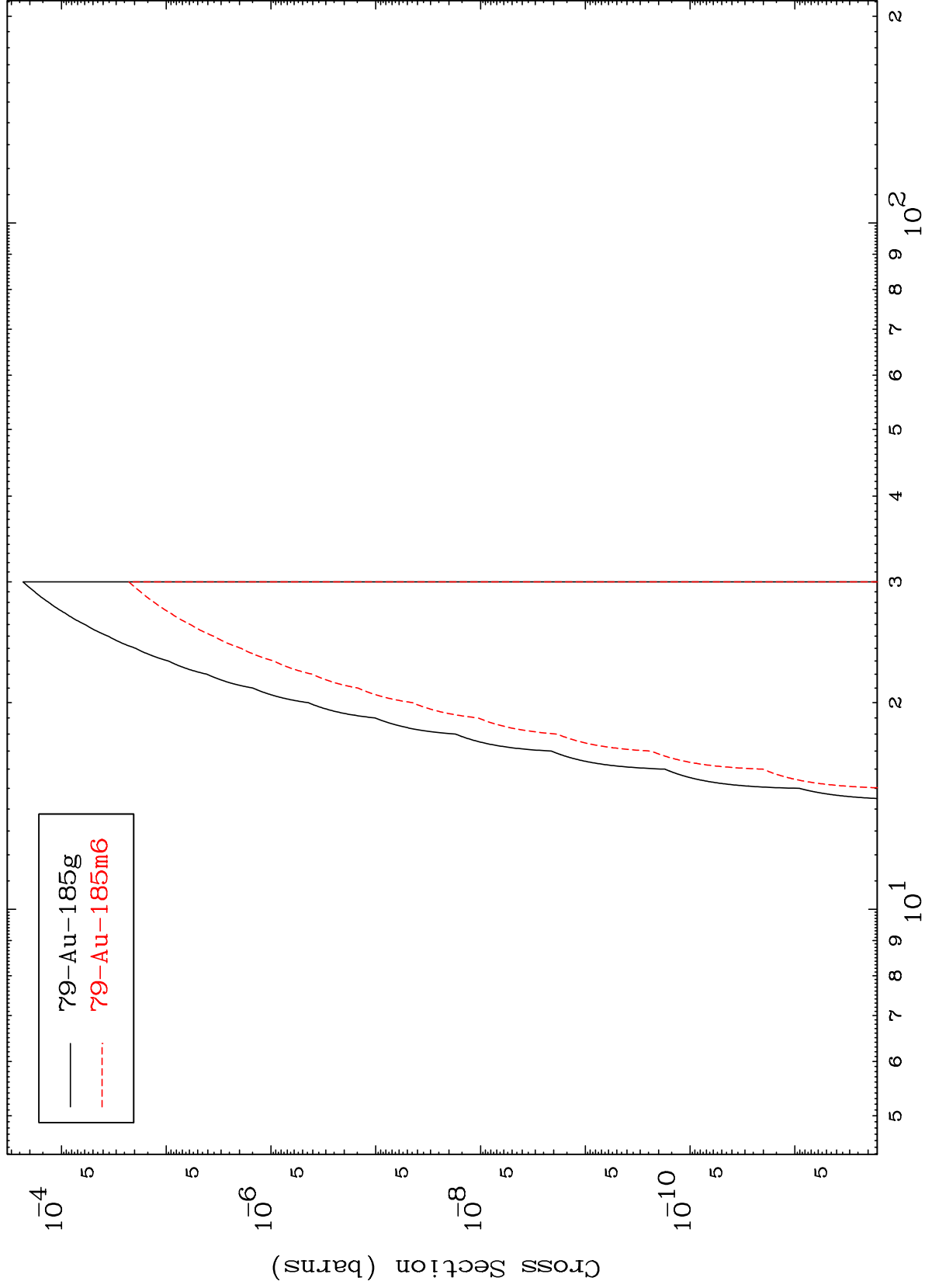


MAT 8081

(n,p) t

81-Tl-188m

Radionuclide Production Cross Section



35

Incident Energy (MeV)

81-Tl-188m

MAT 8081

(n,d) α

81-Tl-188m

Radionuclide Production Cross Section

