

Program EVALPLOT
(Version 2021-1)

by

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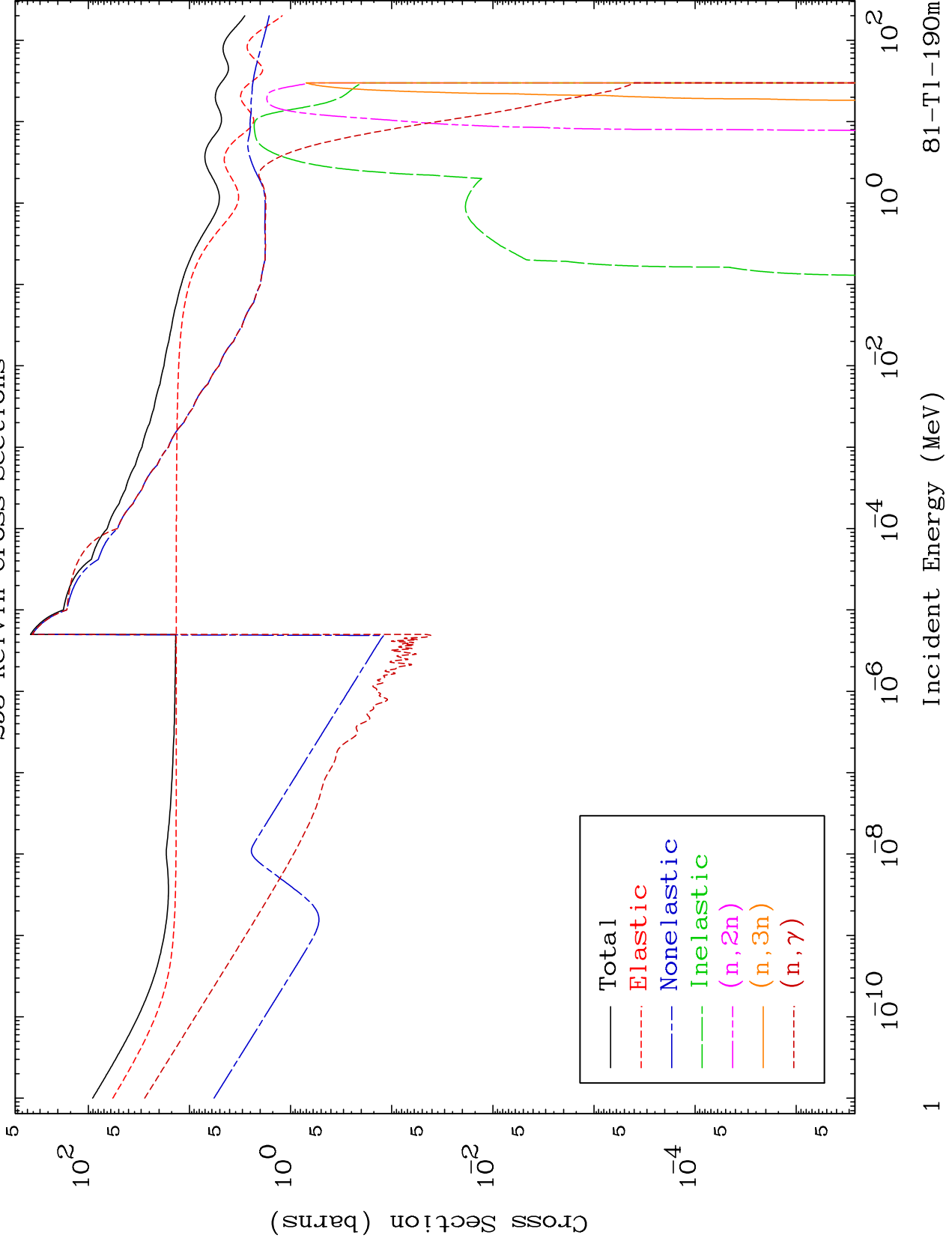
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8087

Neutron Major
293 Kelvin Cross Sections

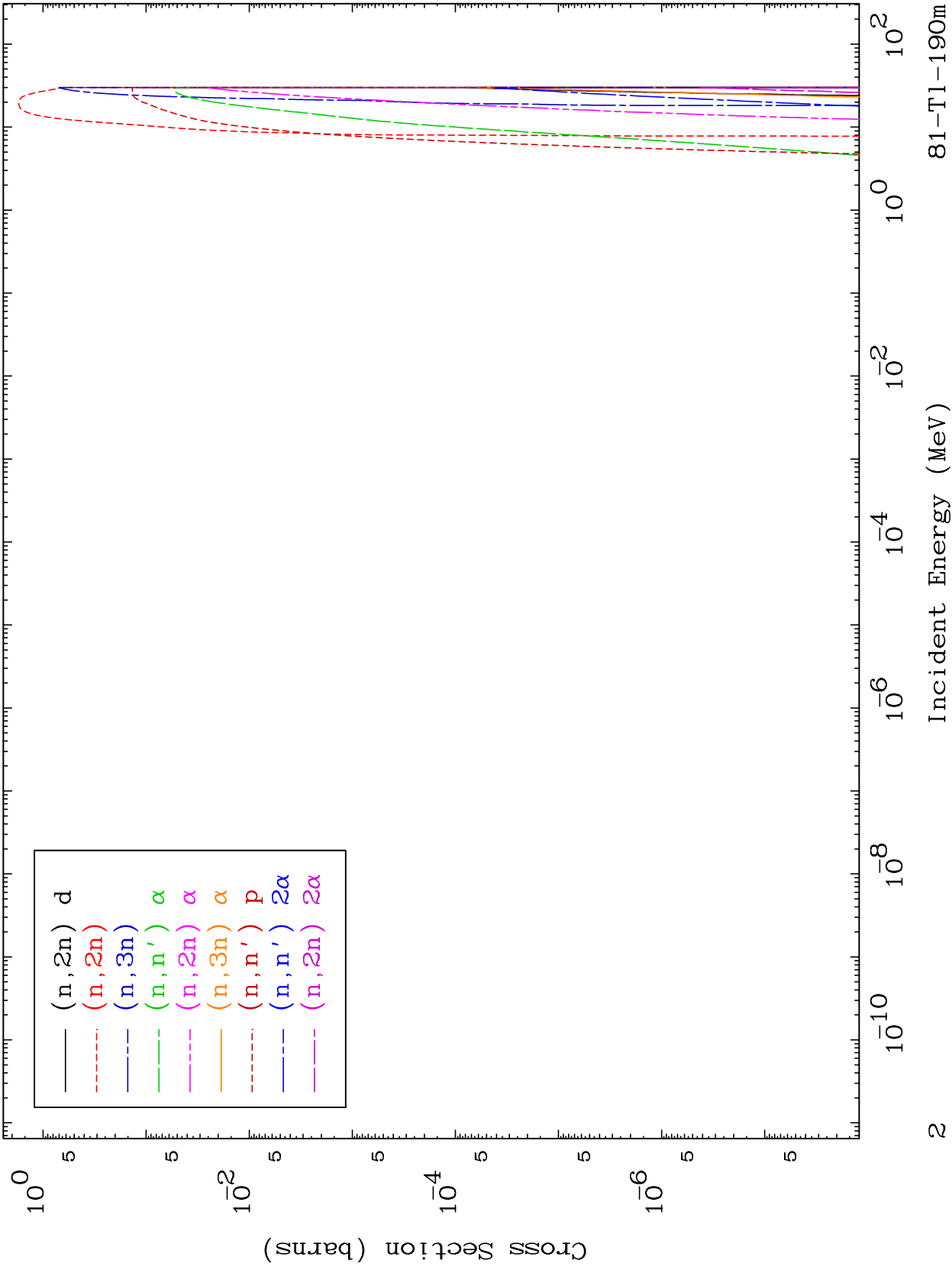
81-TI-190m



MAT 8087

Neutron Absorption
293 Kelvin Cross Sections

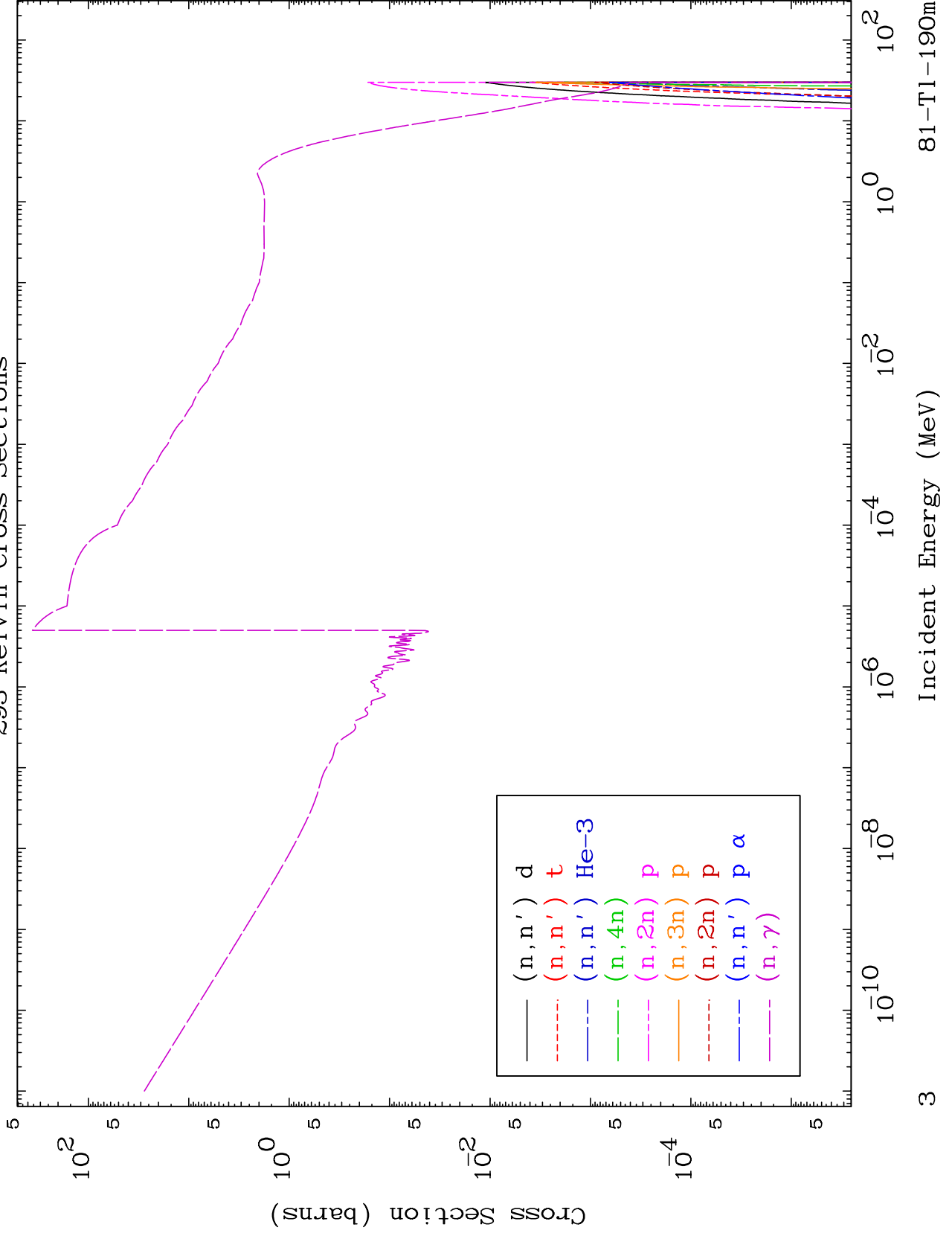
81-Tl-190m



MAT 8087

Neutron Absorption
293 Kelvin Cross Sections

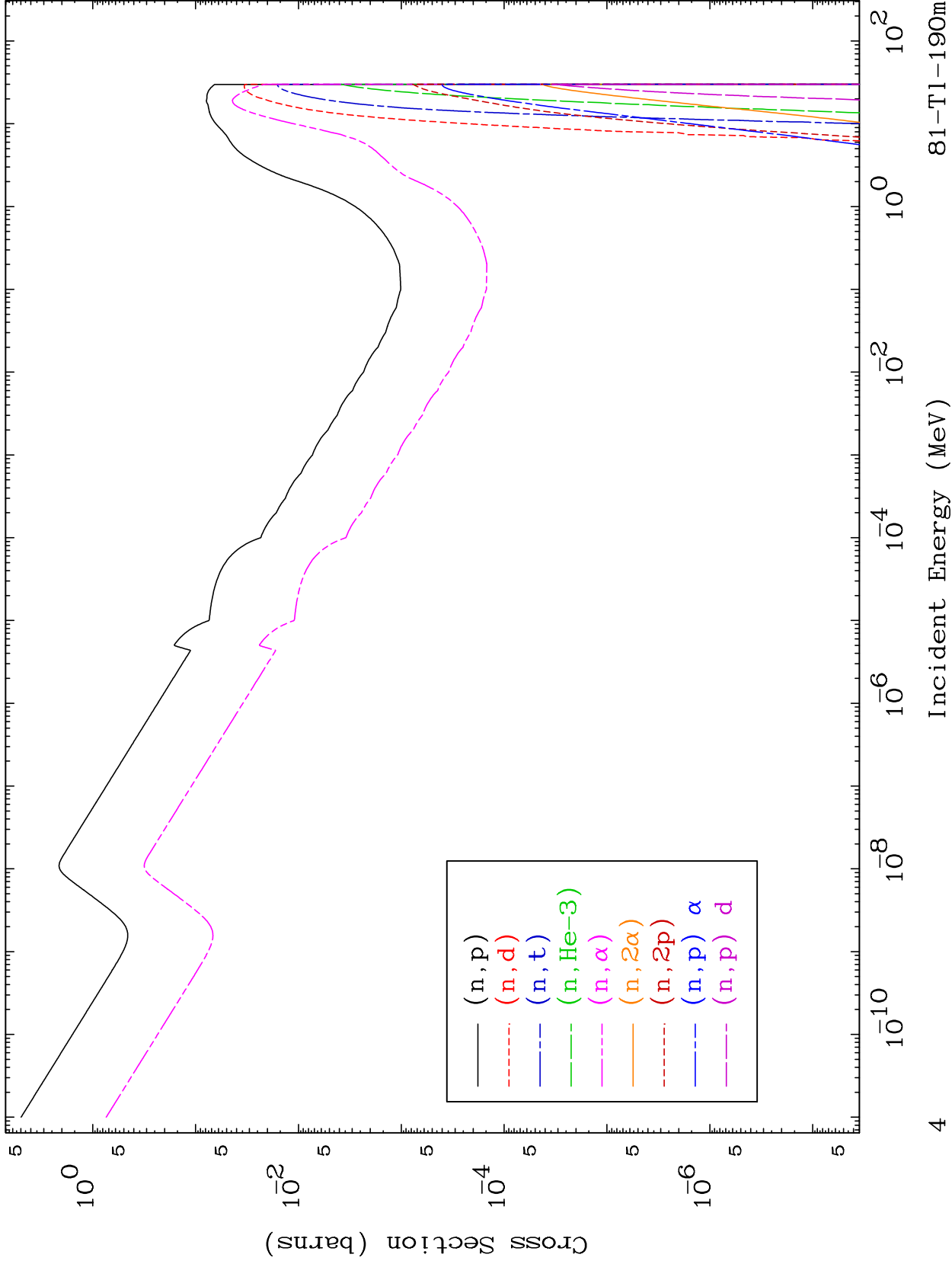
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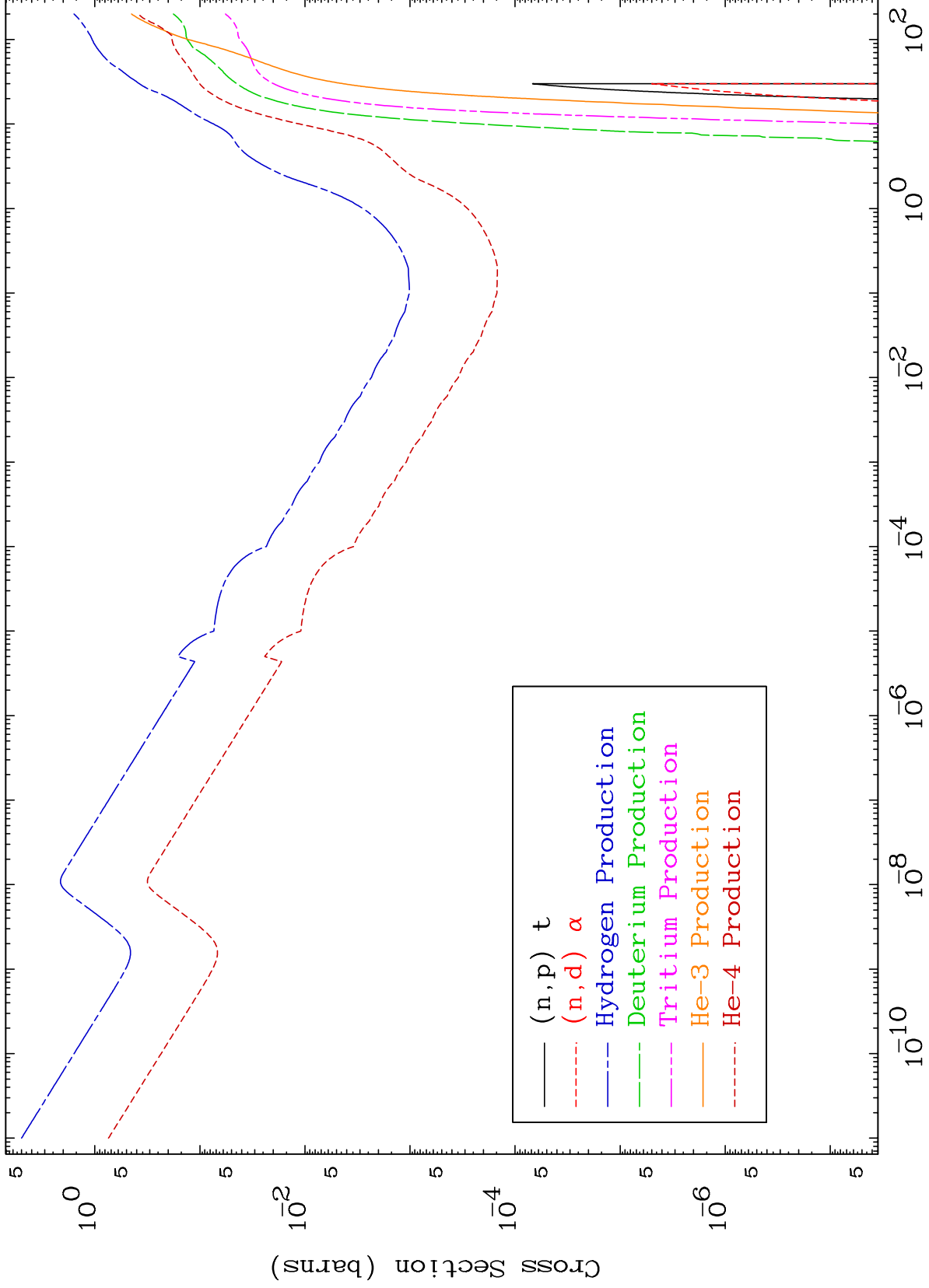


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Neutron Absorption
293 Kelvin Cross Sections

81-Tl-190m

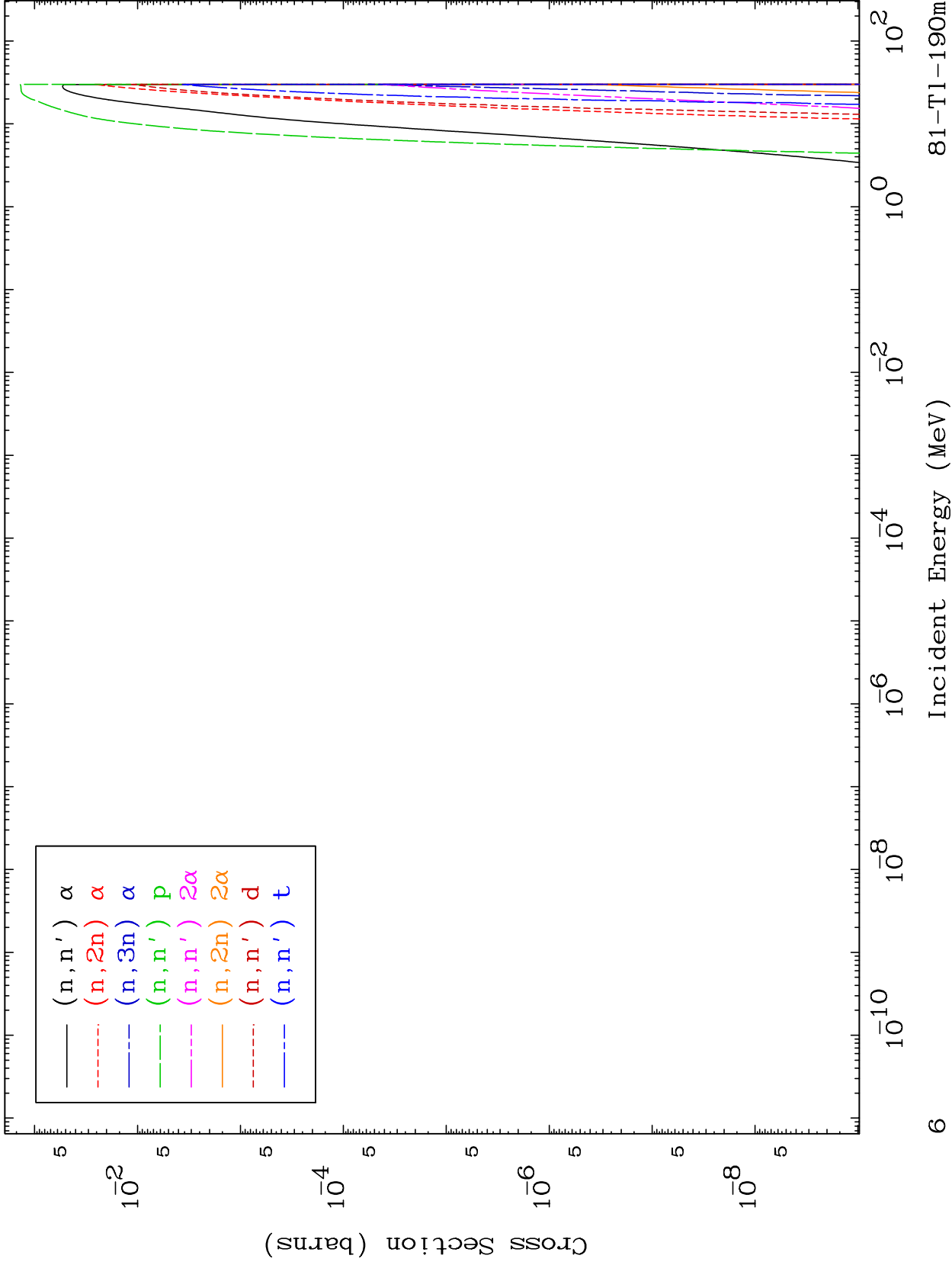




MAT 8087

Charged Particle
293 Kelvin Cross Sections

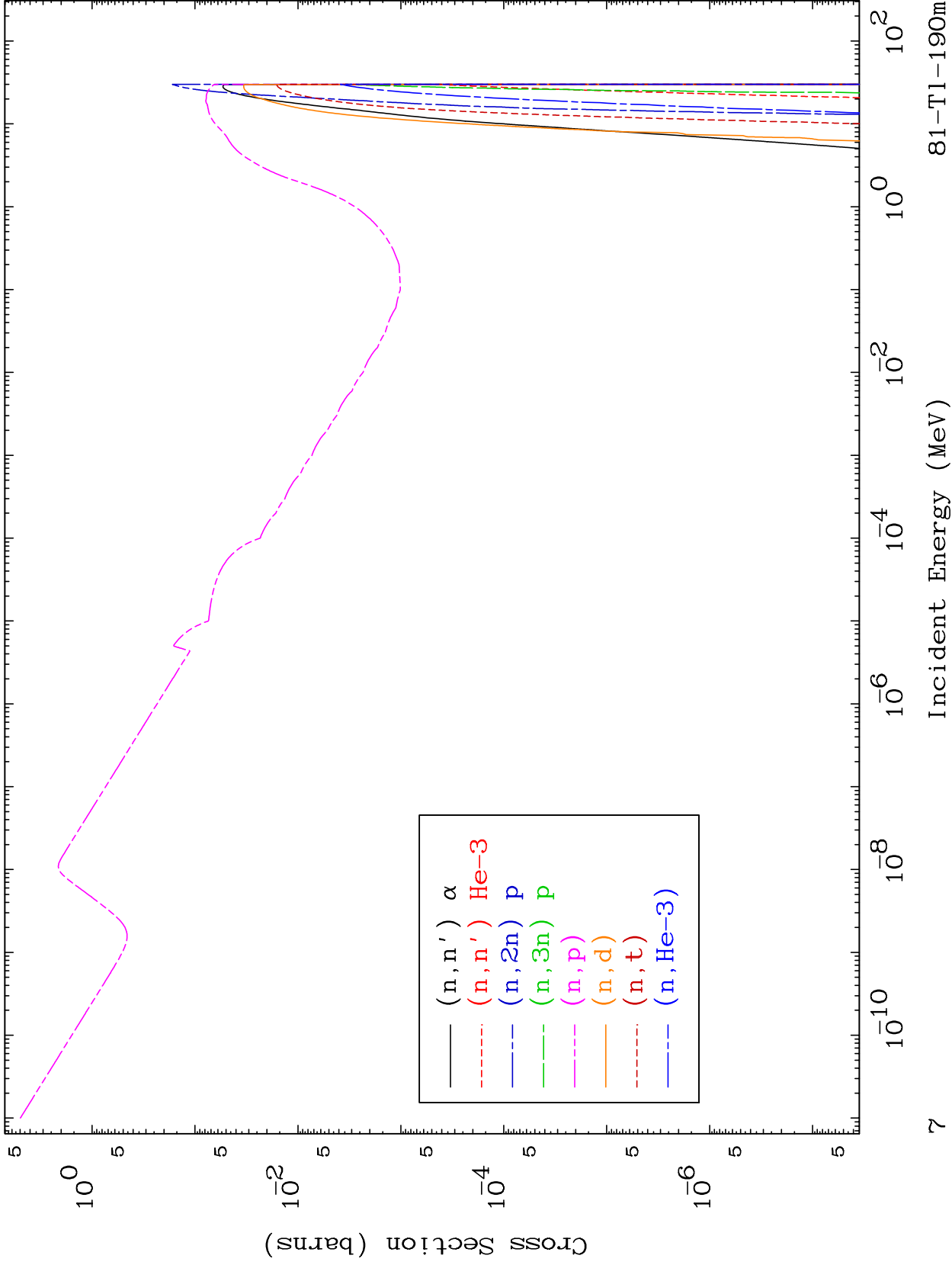
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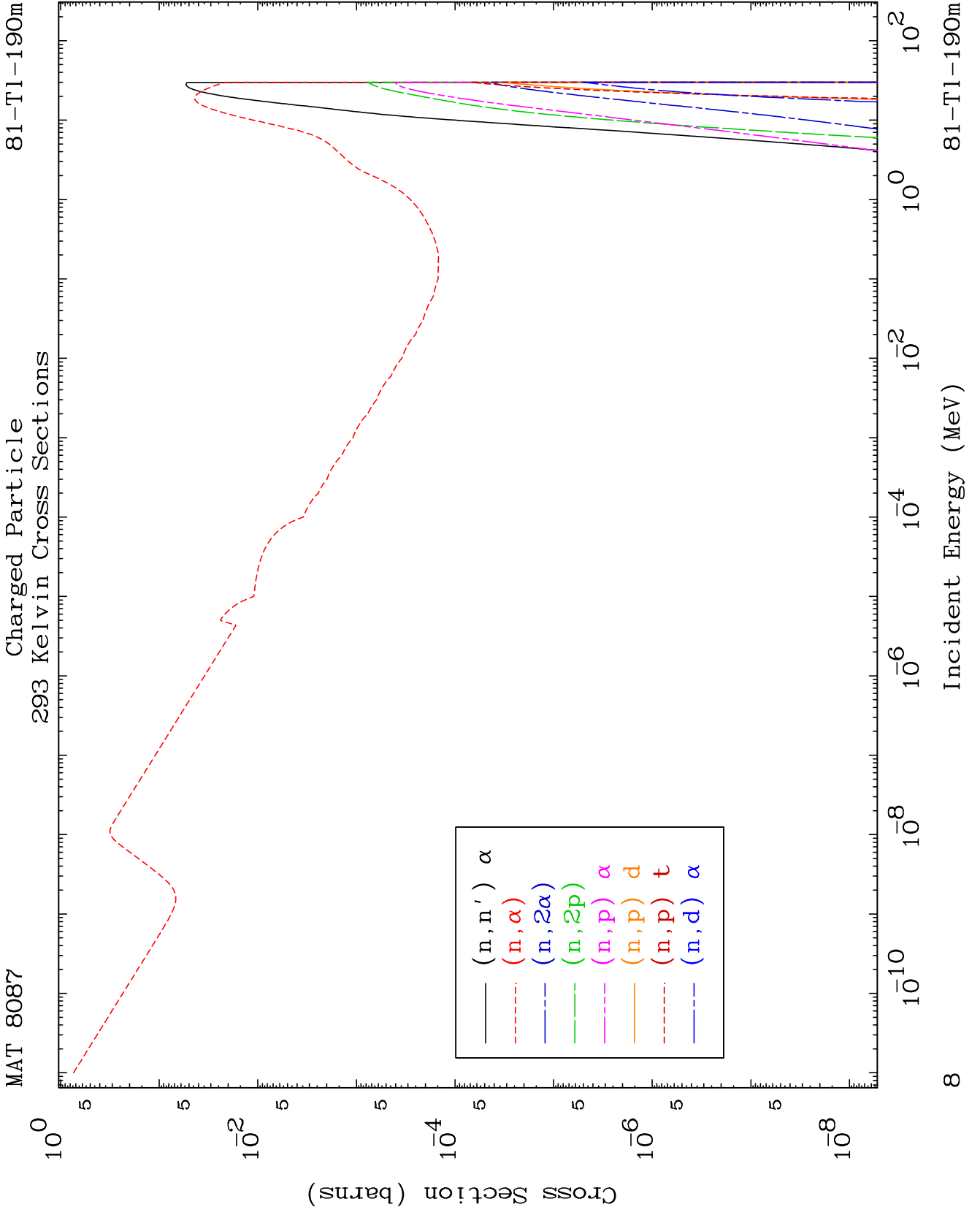


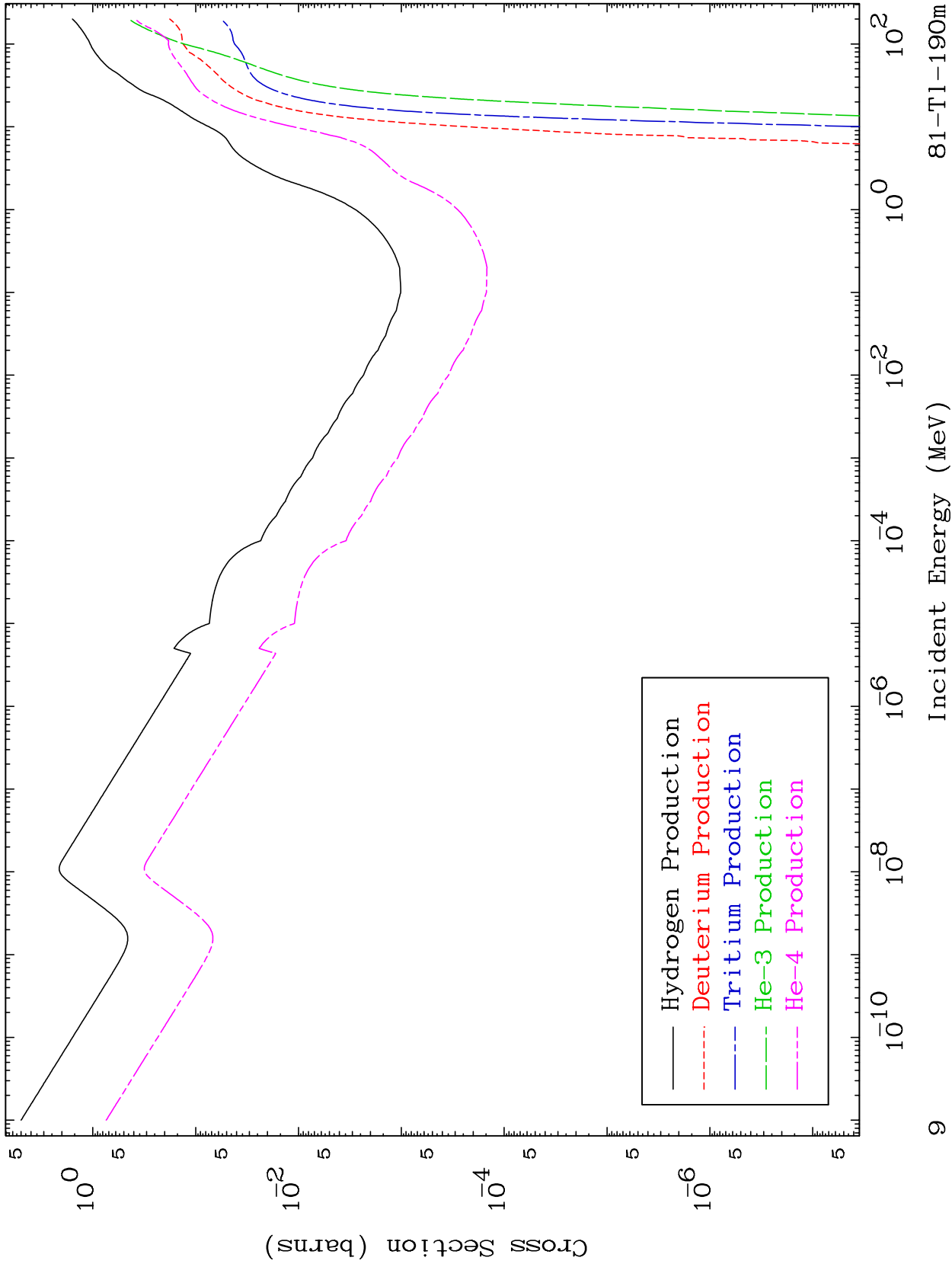
MAT 8087

Charged Particle
293 Kelvin Cross Sections

81-Tl-190m



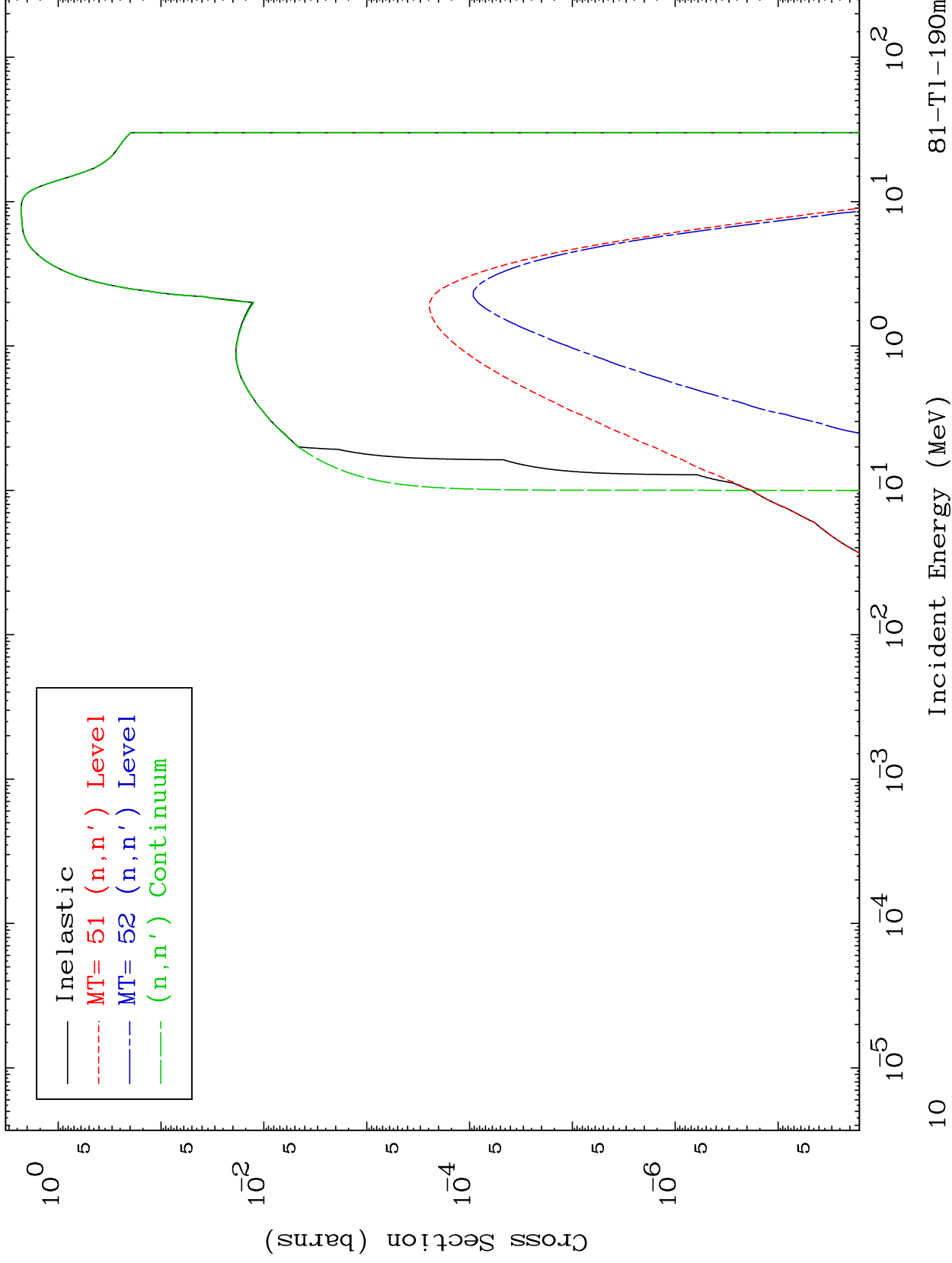




MAT 8087

(n,n') Levels
293 Kelvin Cross Sections

81-Tl-190m



81-Tl-190m

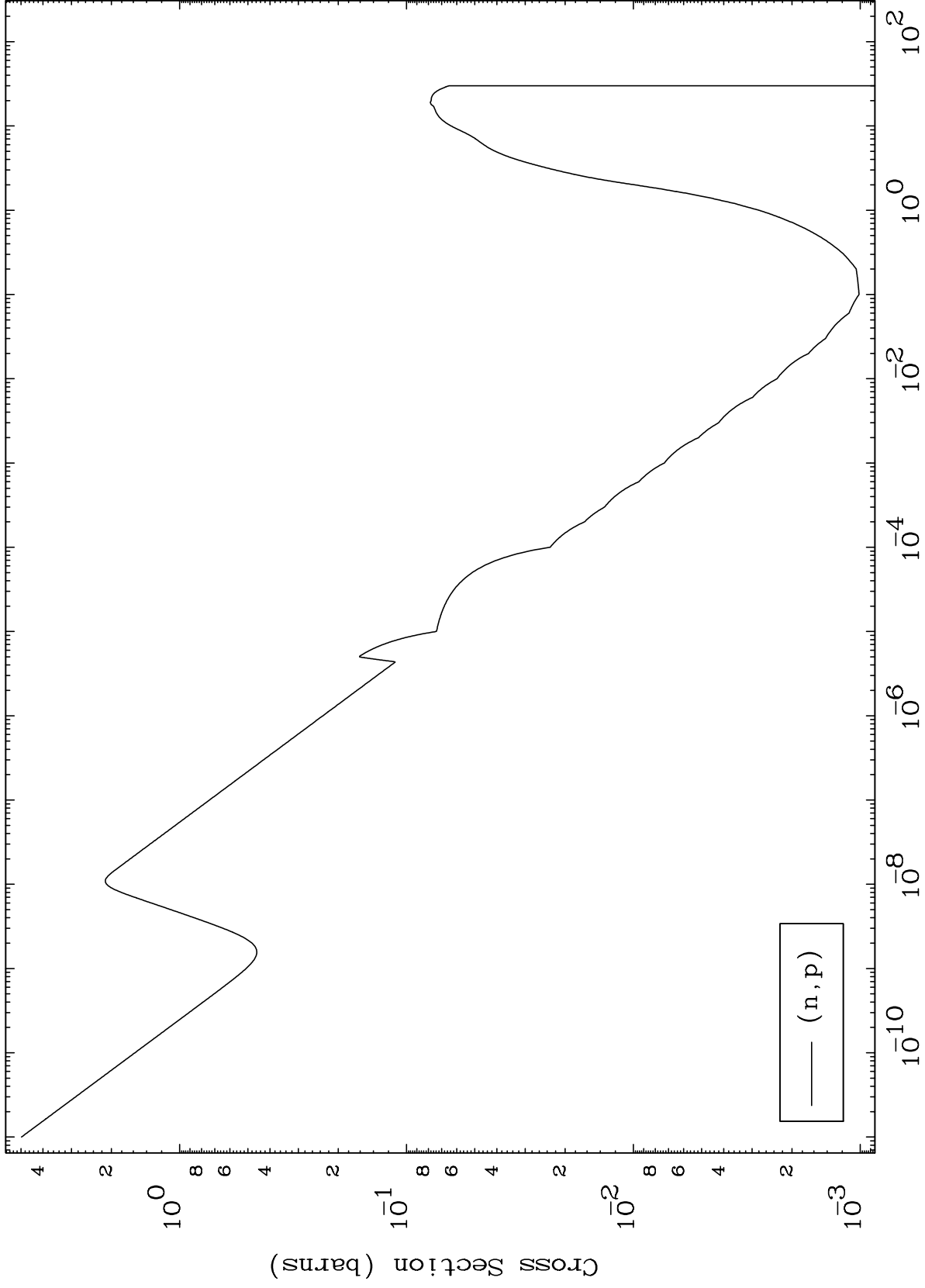
Incident Energy (MeV)

10

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(n,p) Levels
293 Kelvin Cross Sections

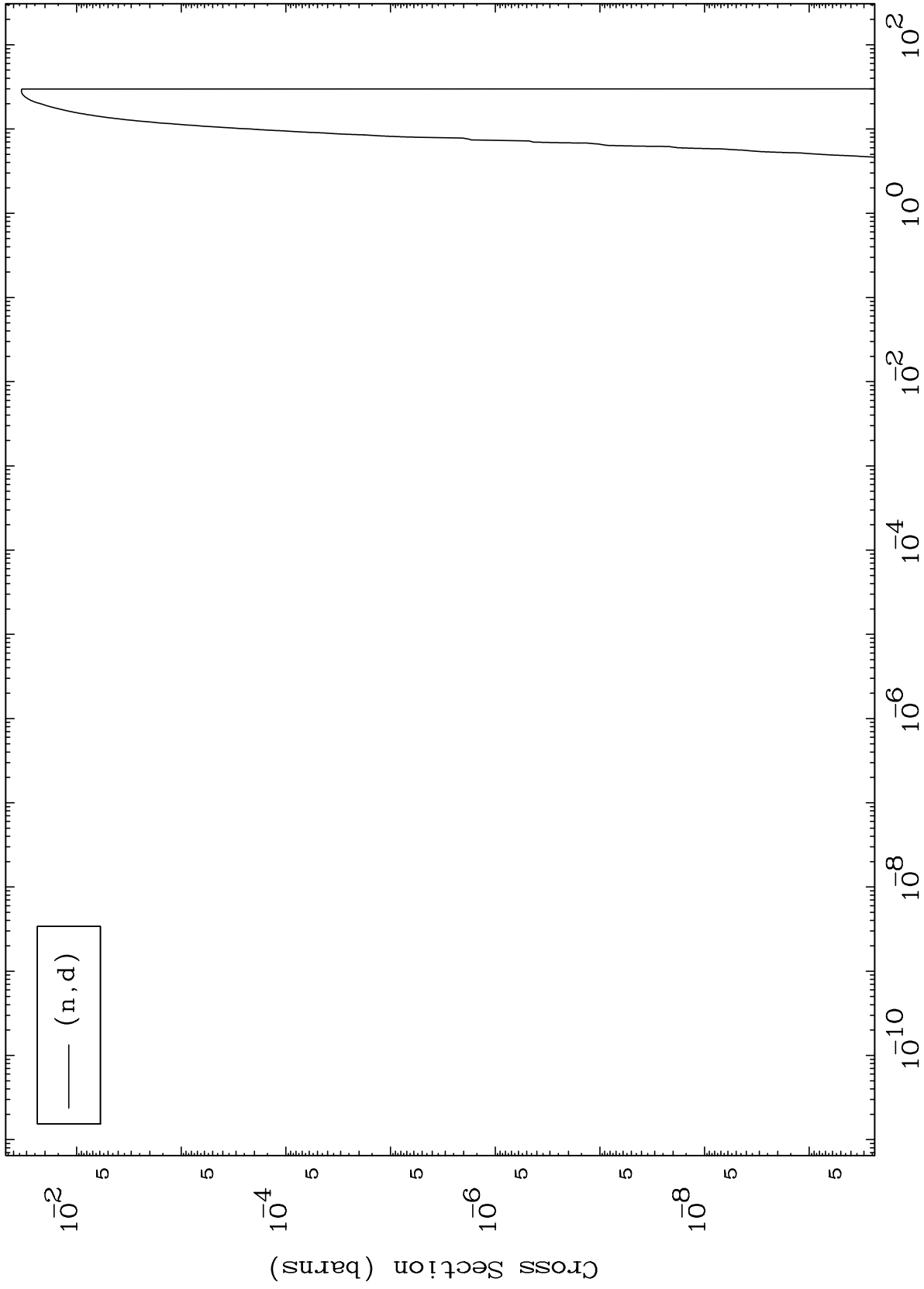
81-Tl-190m



MAT 8087

(n,d) Levels
293 Kelvin Cross Sections

81-Tl-190m



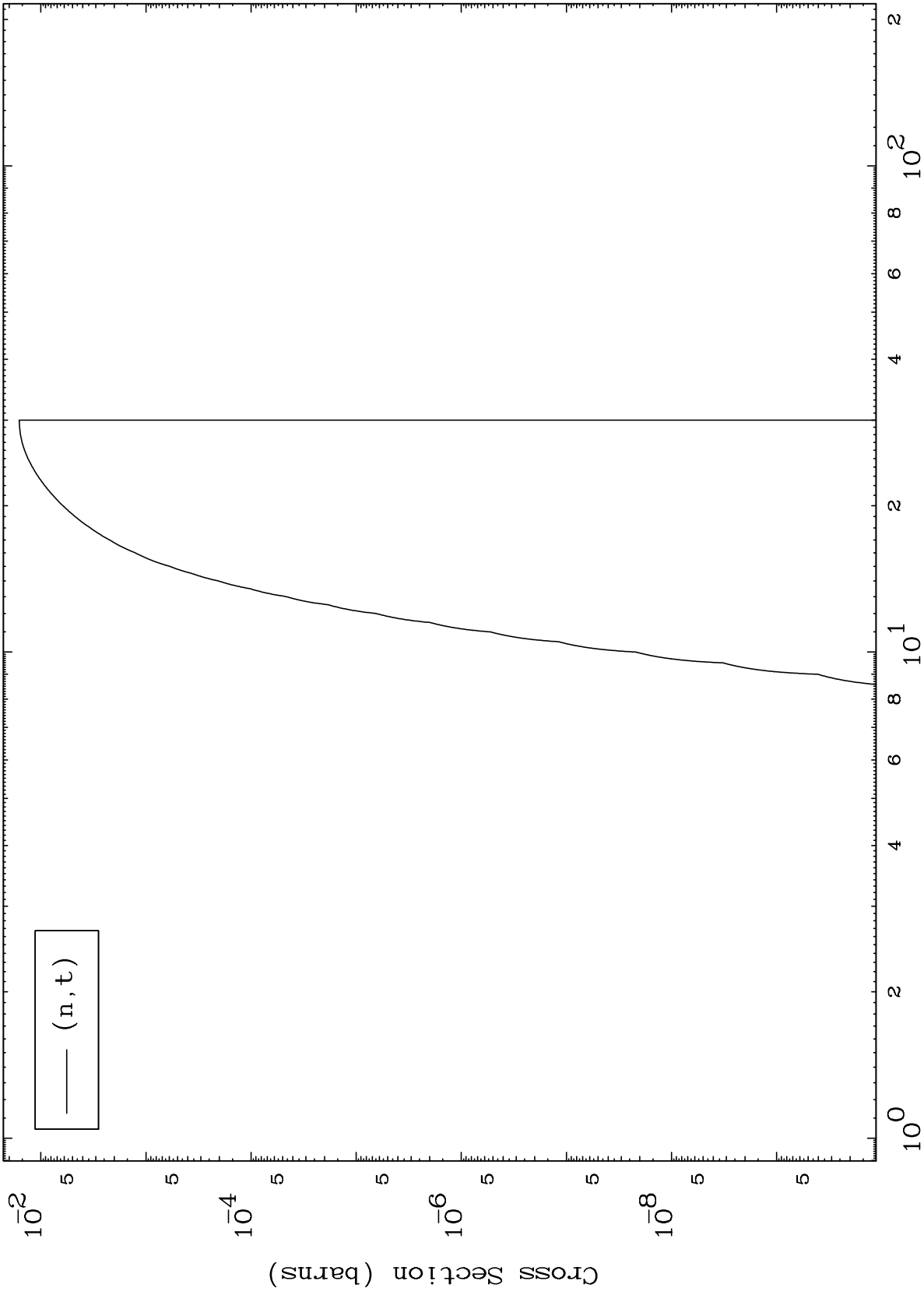
12

81-Tl-190m

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(n,t) Levels
293 Kelvin Cross Sections

81-Tl-190m



Incident Energy (MeV)

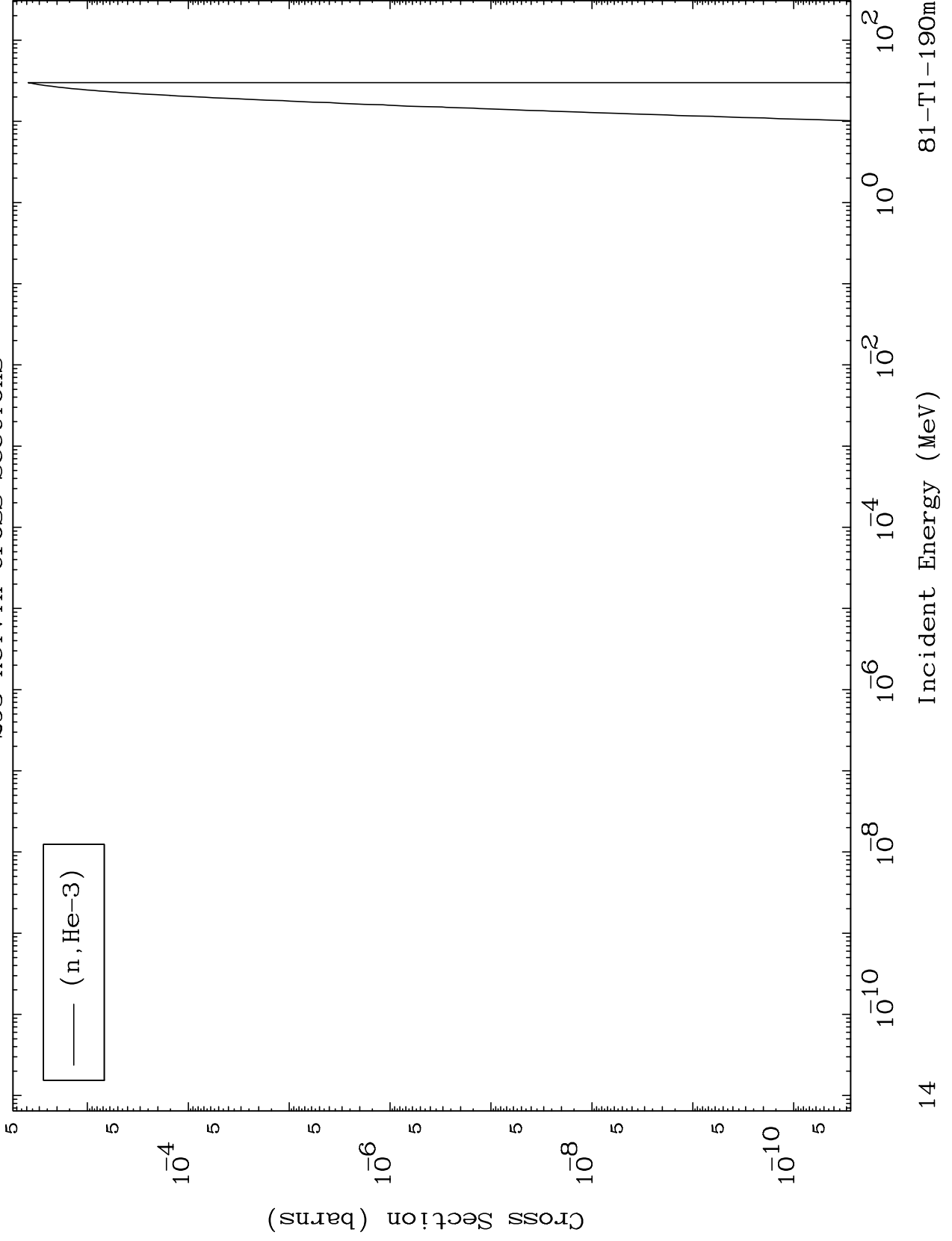
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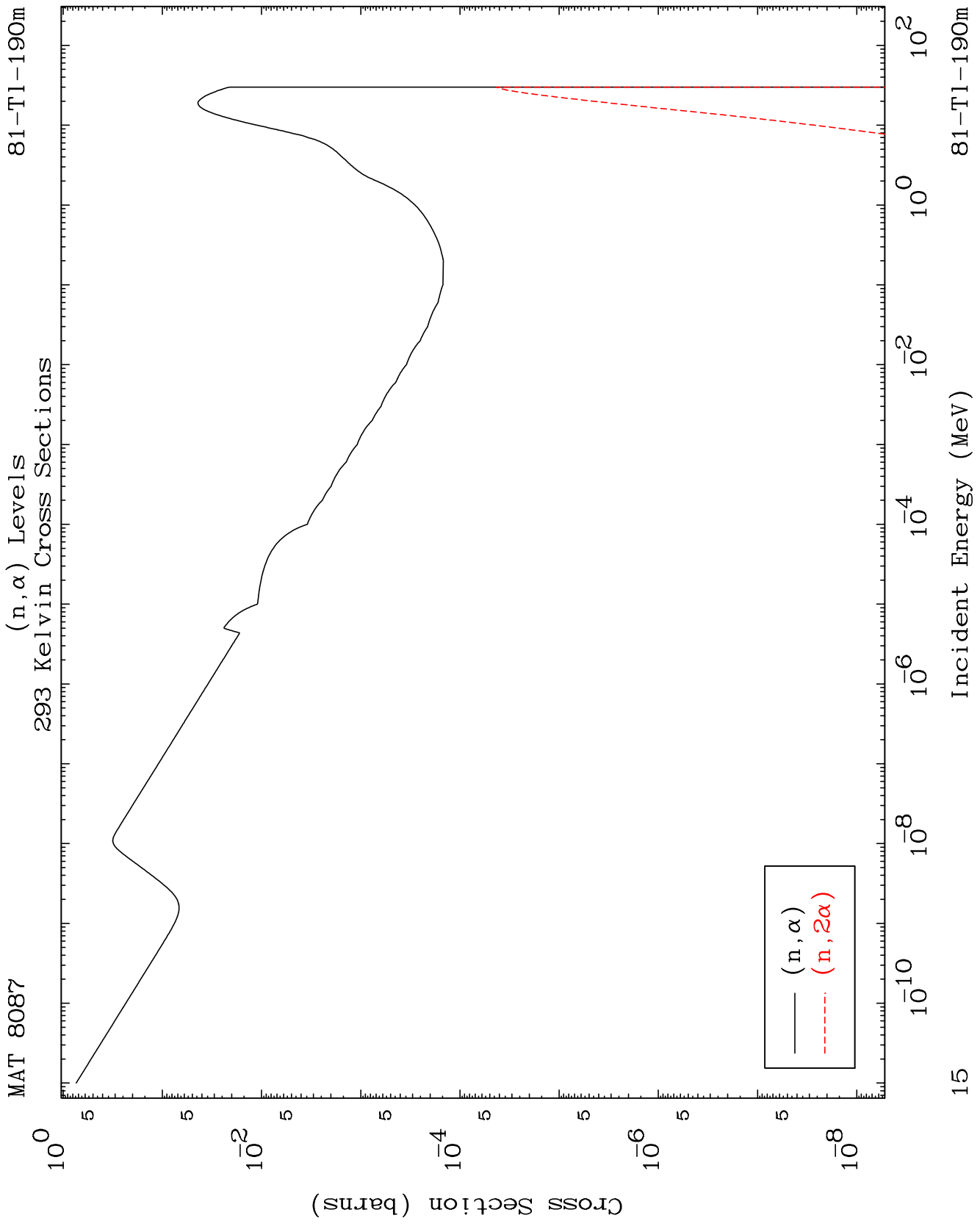
13

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(n,He3) Levels
293 Kelvin Cross Sections

81-Tl-190m

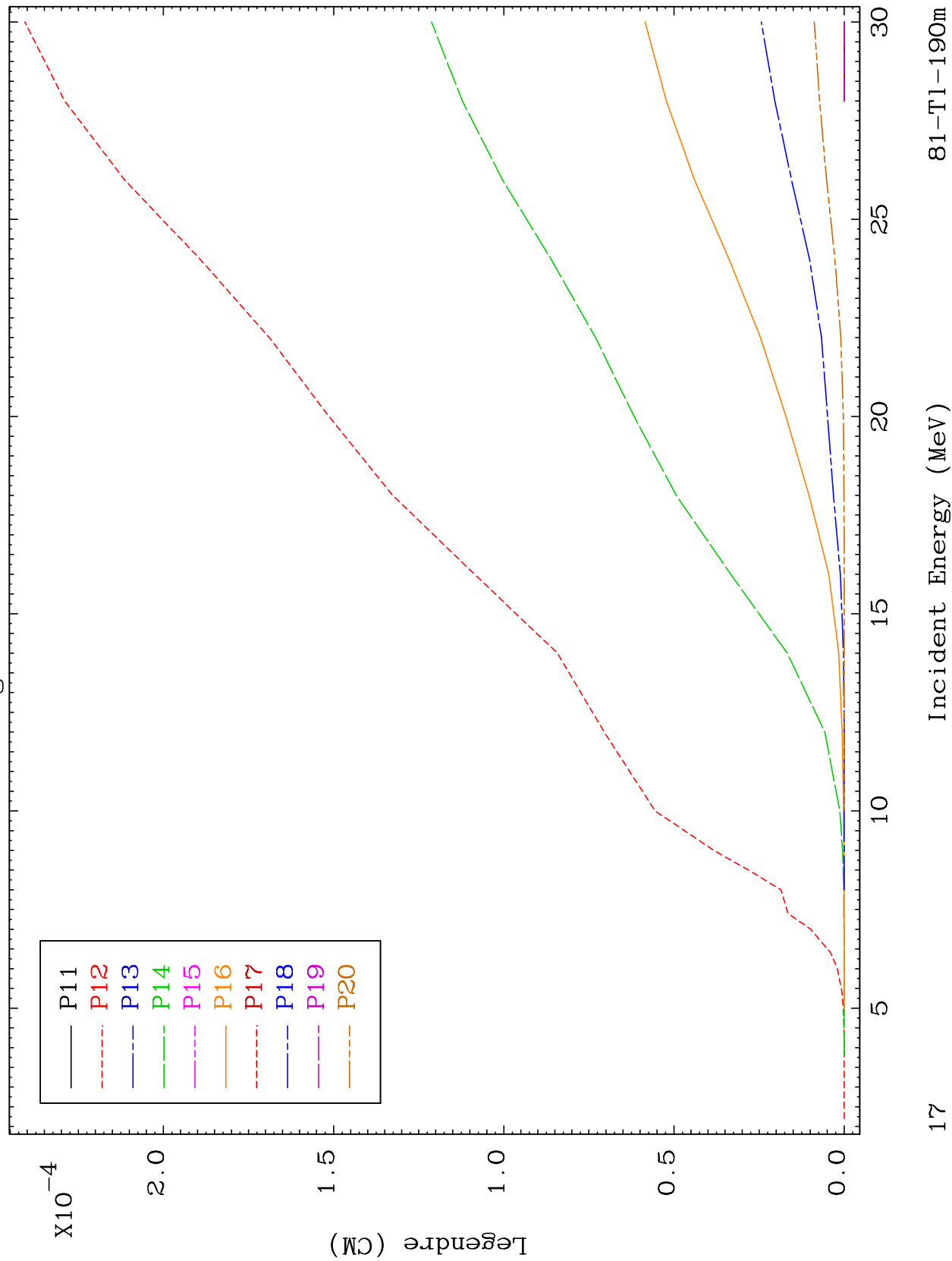




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Elastic Legendre Coefficients

81-TI-190m



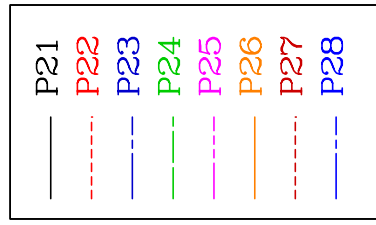
17

81-TI-190m

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Elastic Legendre Coefficients

81-TI-190m



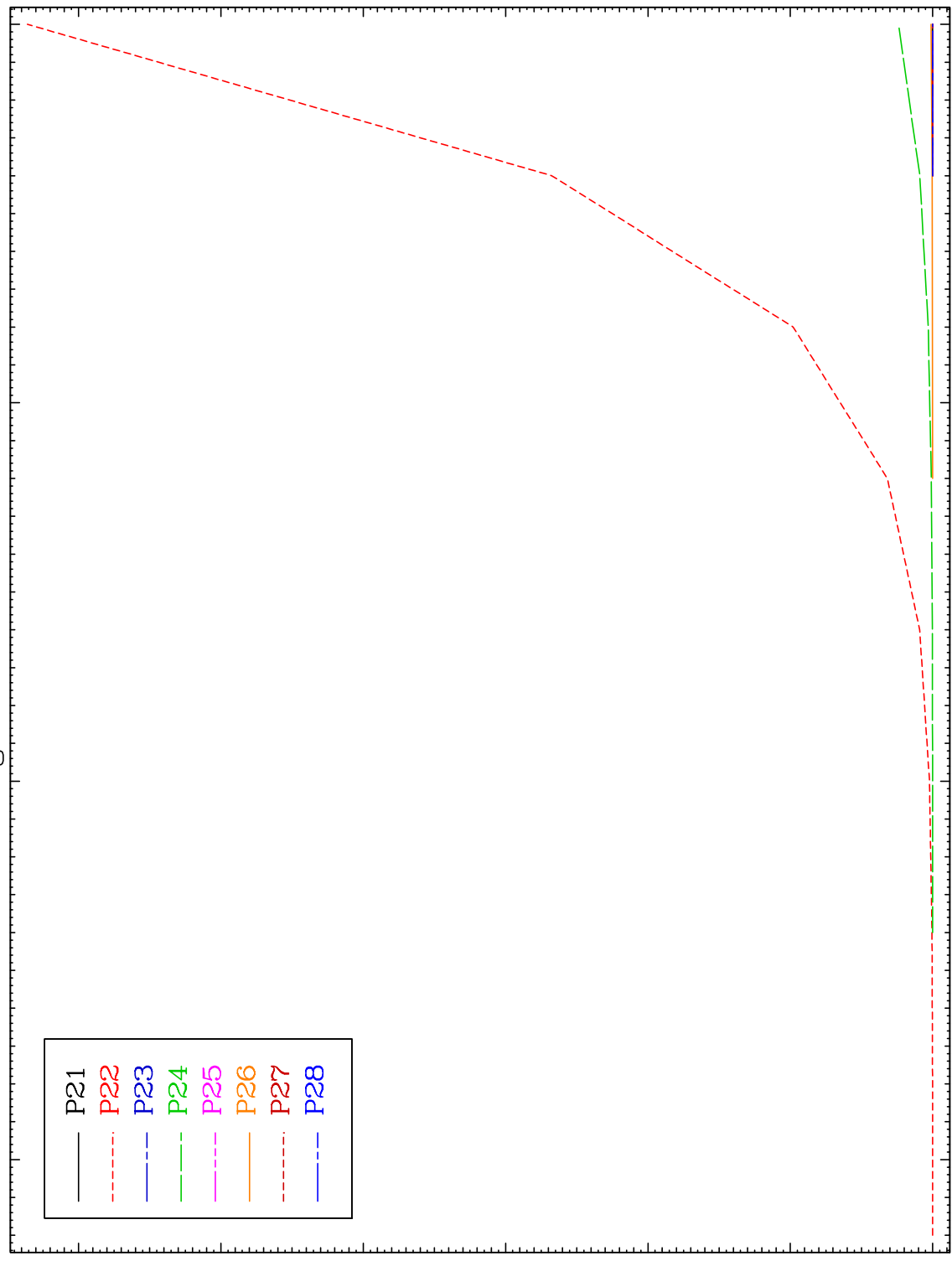
$\times 10^{-6}$
Legendre (CM)
0.2
1.0
0.8
0.6
0.4
0.2
0.0

15 20 25 30

18

Incident Energy (MeV)

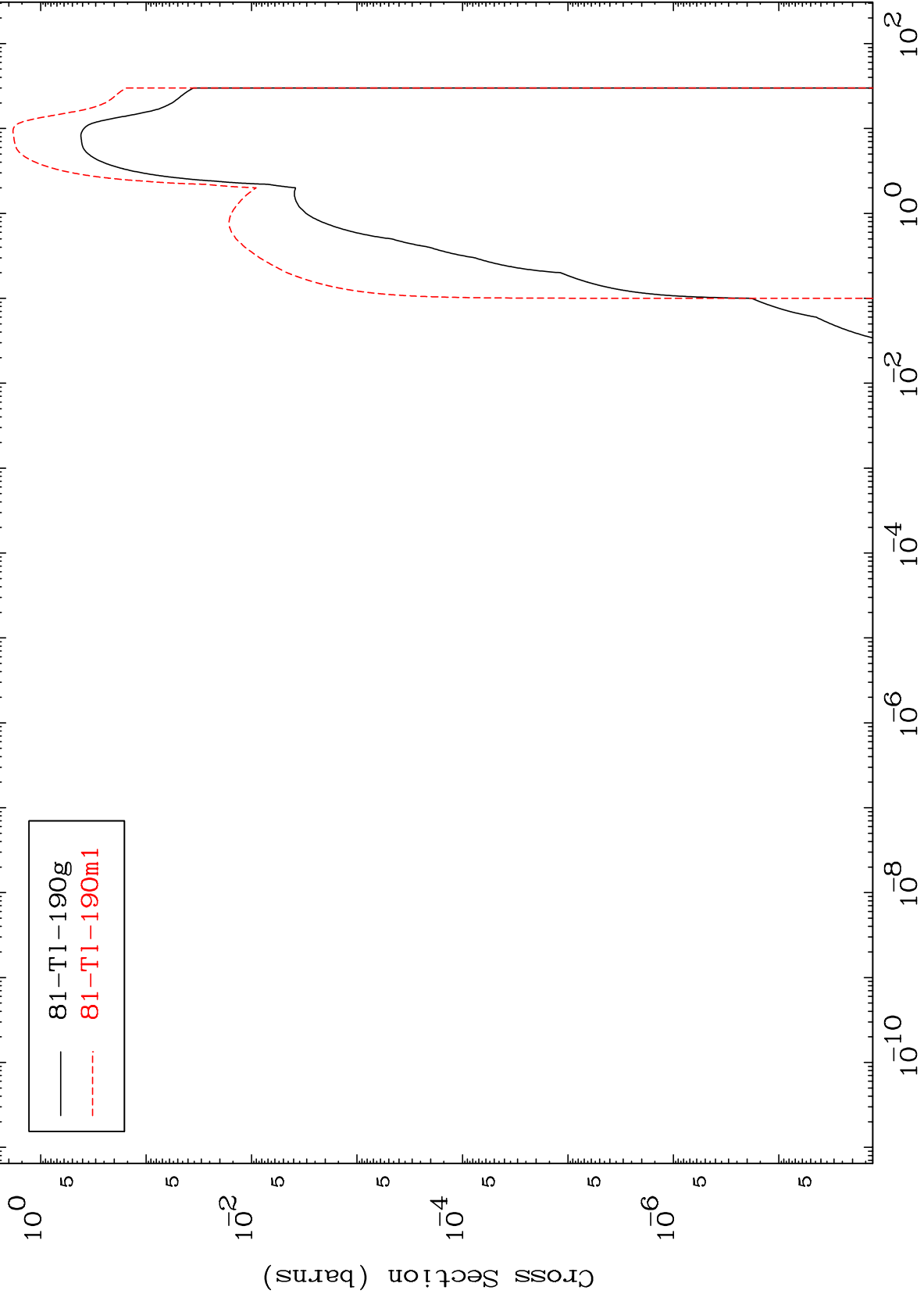
81-TI-190m



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Inelastic
Radionuclide Production Cross Section

81-Tl-190m

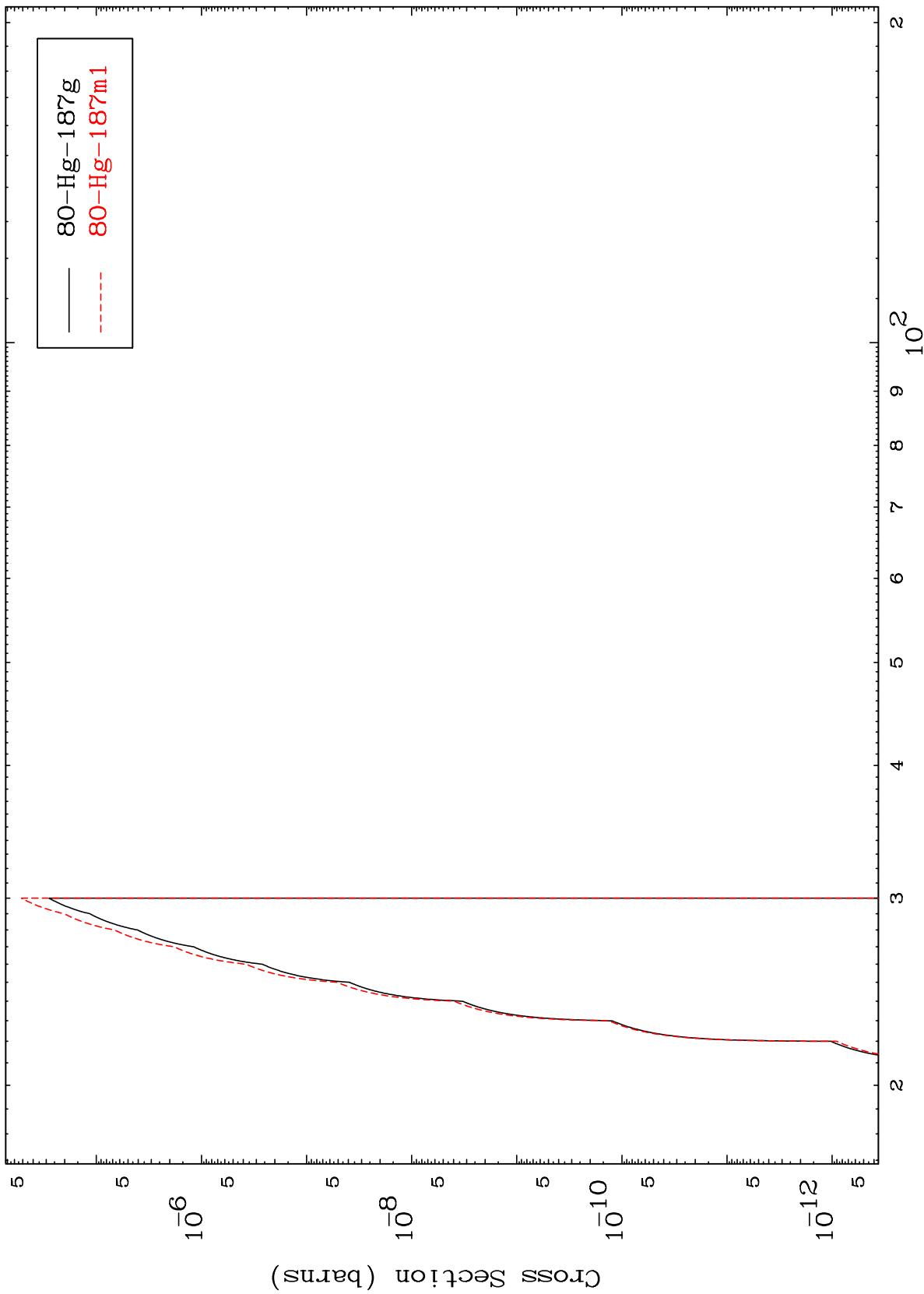


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(n,2n) d

81-TI-190m

Radionuclide Production Cross Section



20

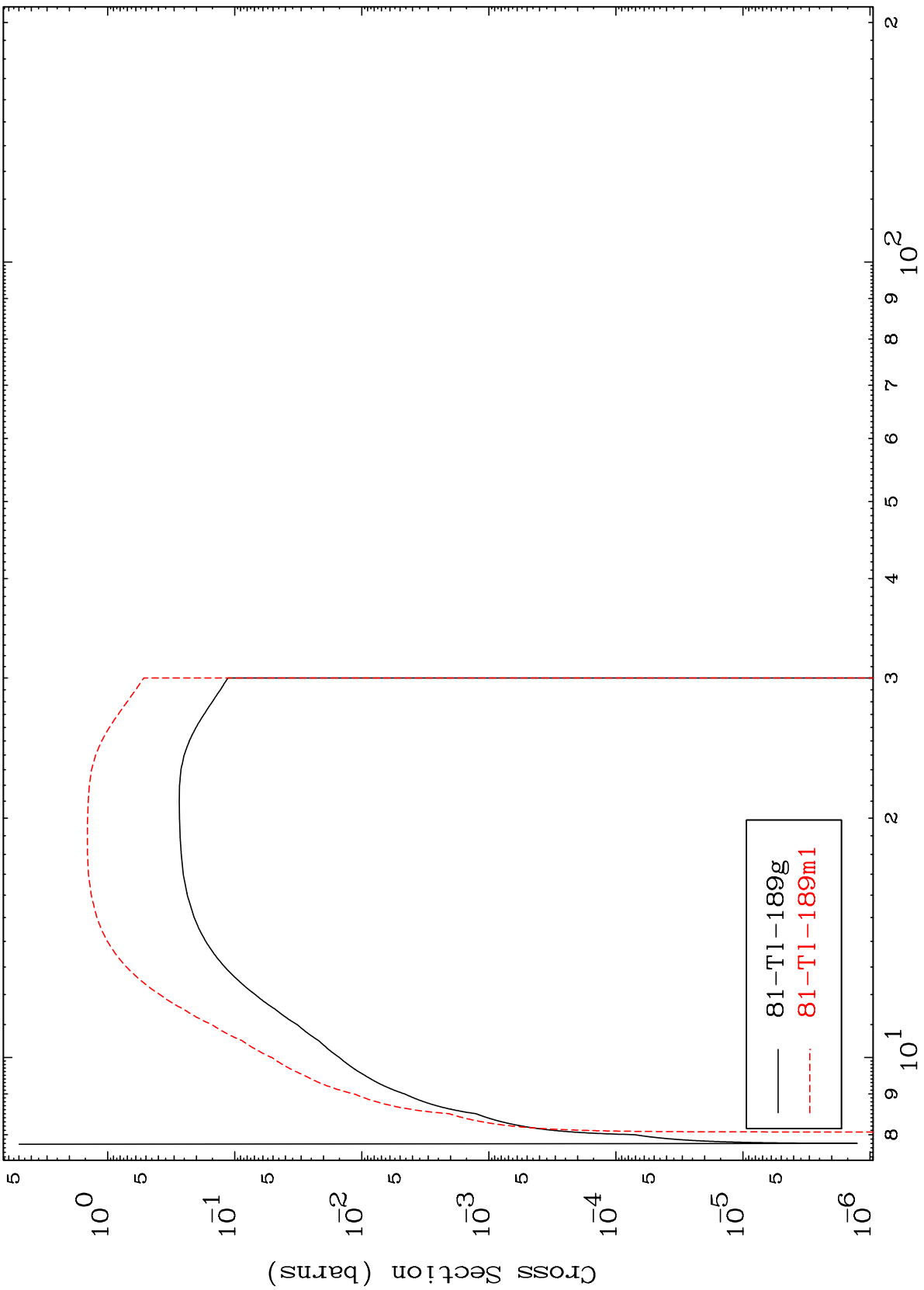
Incident Energy (MeV)

81-TI-190m

MAT 8087

81-Tl-190m

Radionuclide Production Cross Section



21

Incident Energy (MeV)

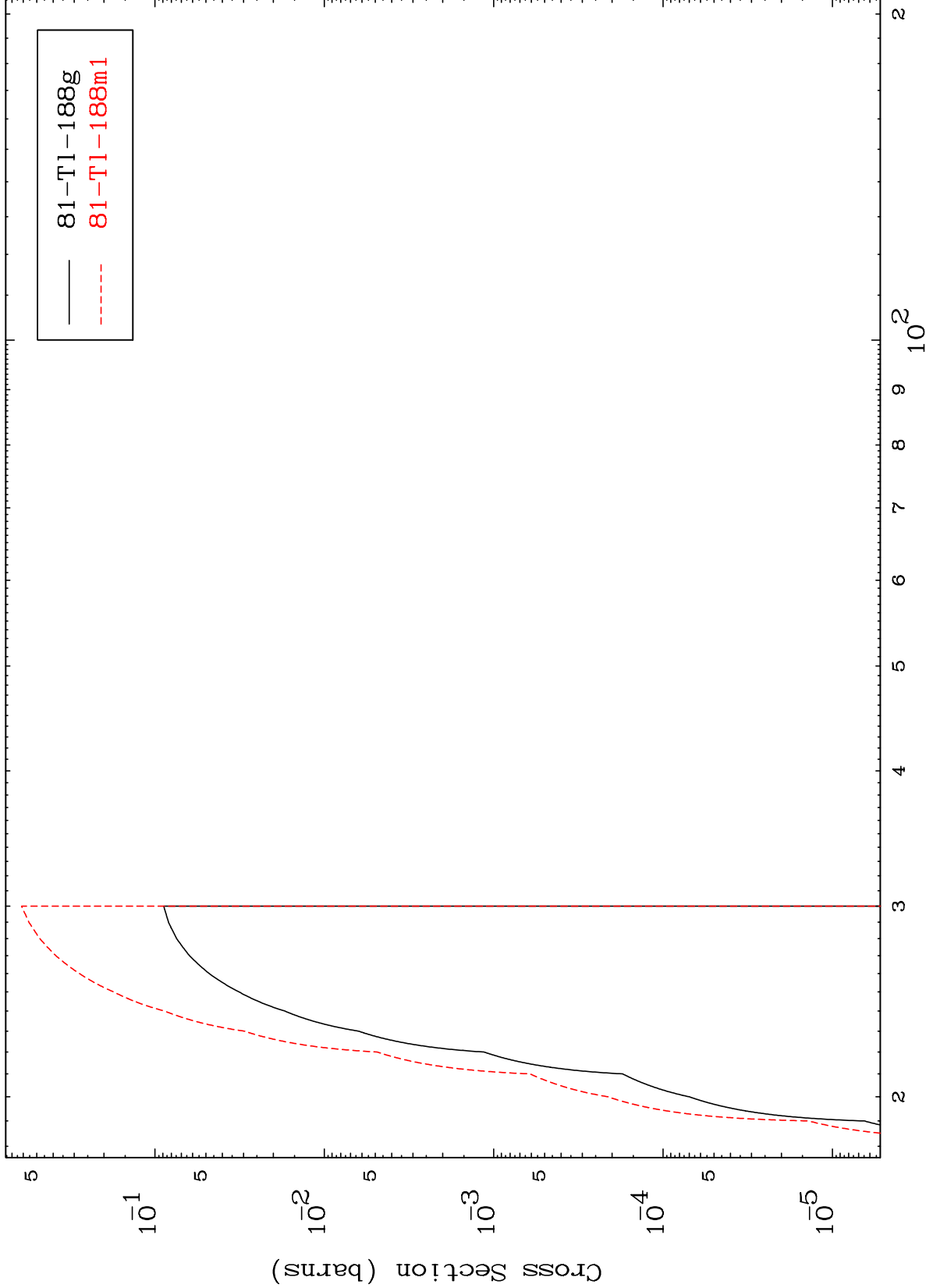
81-Tl-190m

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(n,3n)

81-Tl-190m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

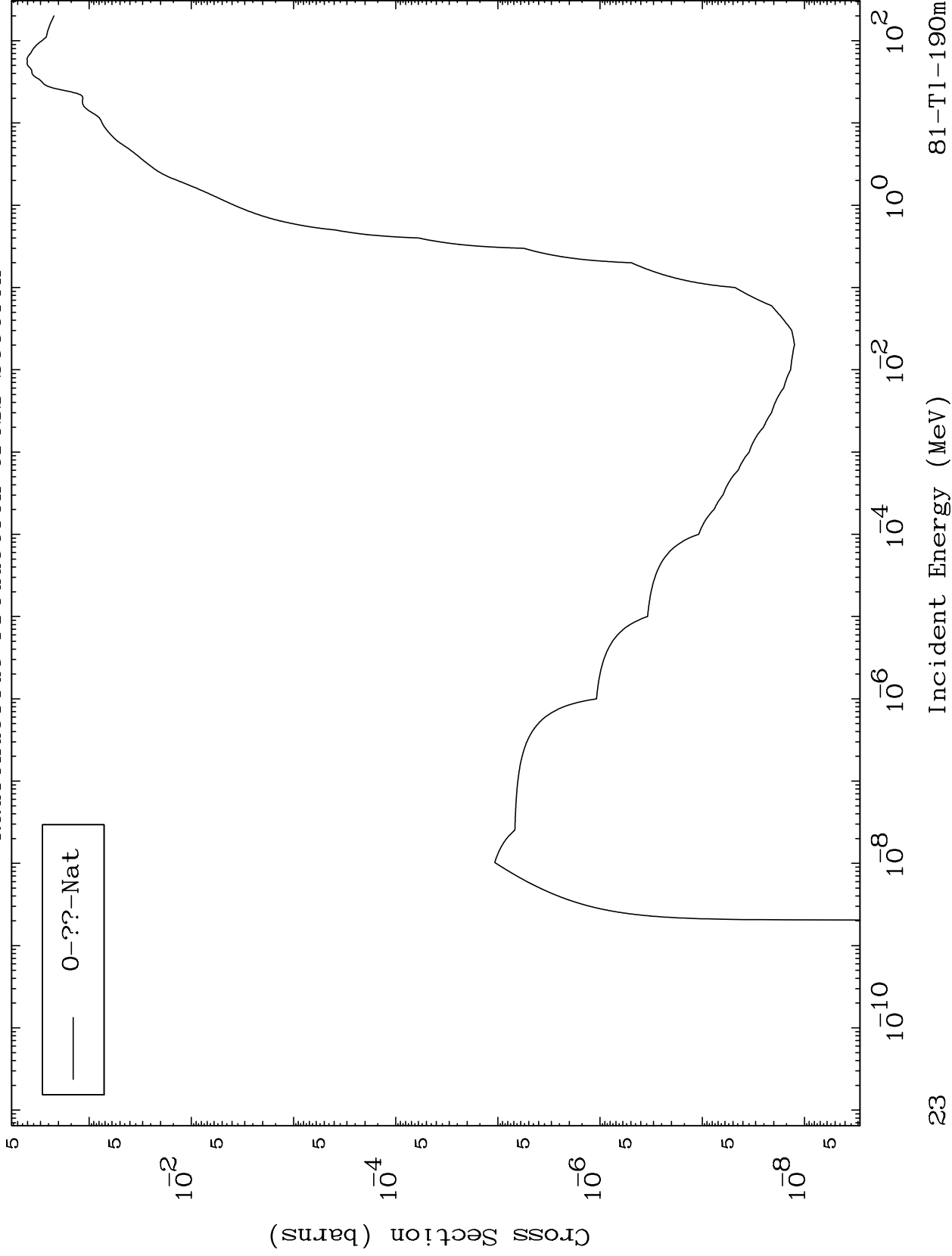
81-Tl-190m

MAT 8087

Fission

81-Tl-190m

Radionuclide Production Cross Section

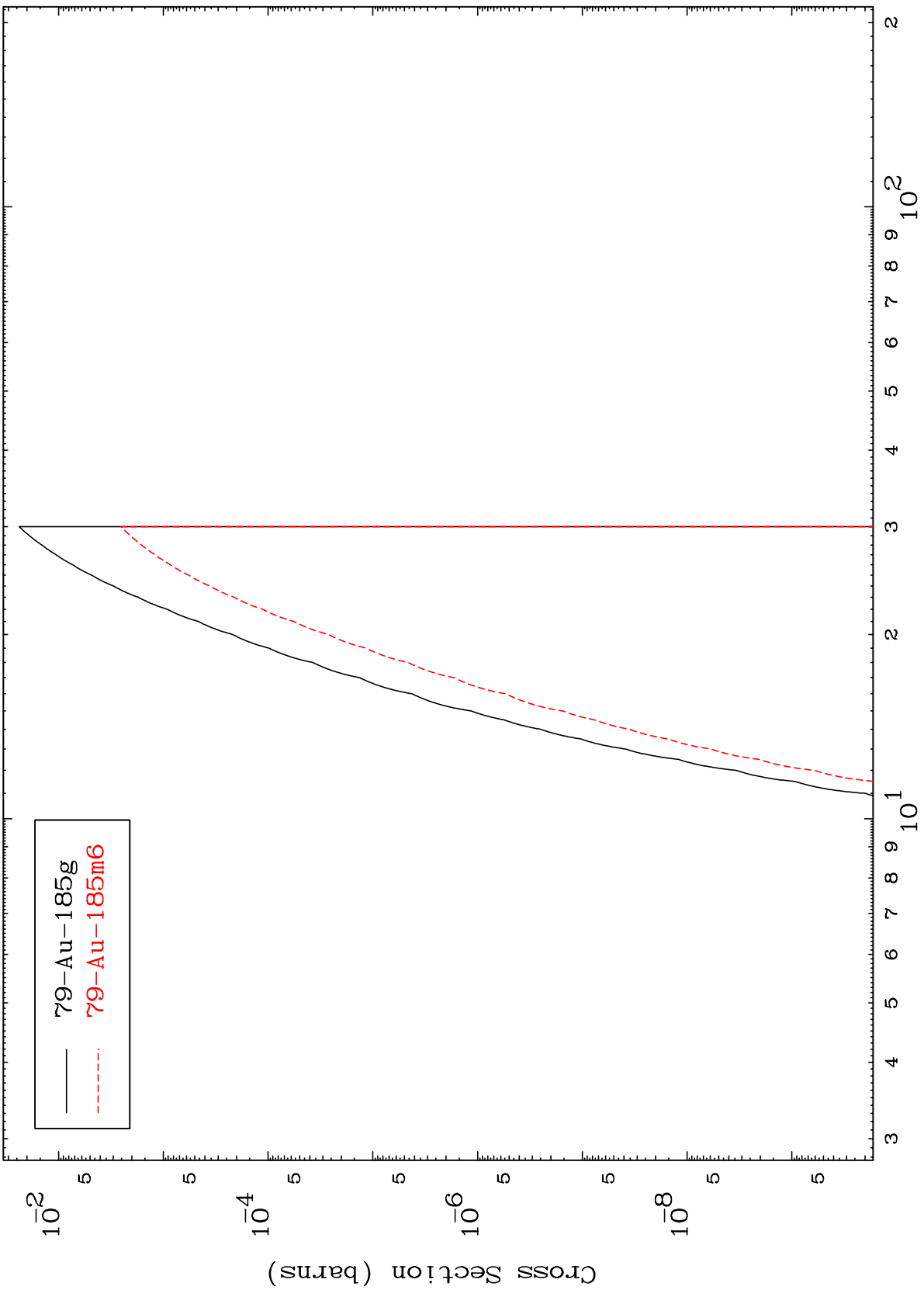


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(n,2n) α

81-Tl-190m

Radionuclide Production Cross Section



— 79-Au-185g
- - - 79-Au-185m6

24

Incident Energy (MeV)

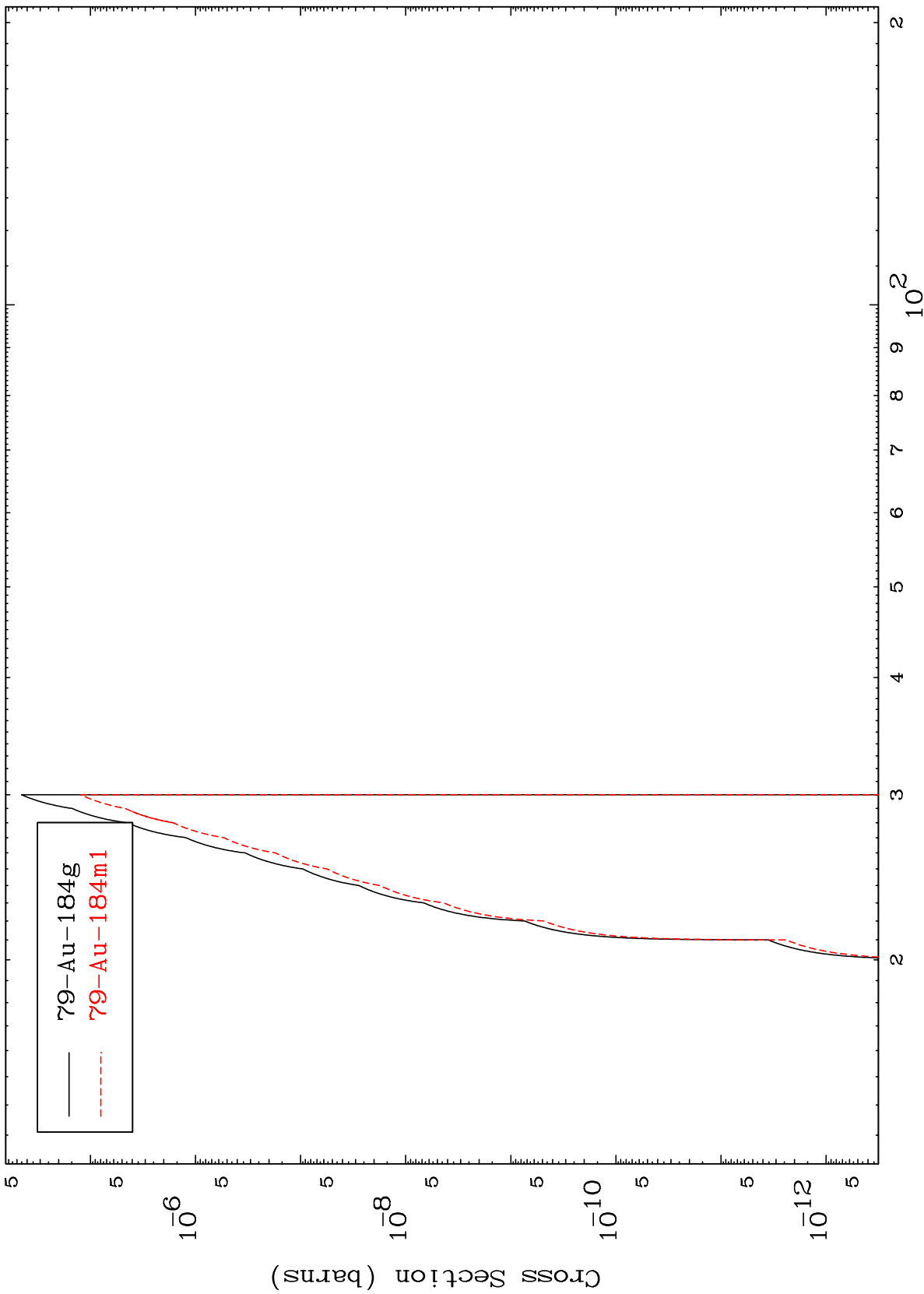
81-Tl-190m

MAT 8087

(n,3n) α

81-Tl-190m

Radionuclide Production Cross Section

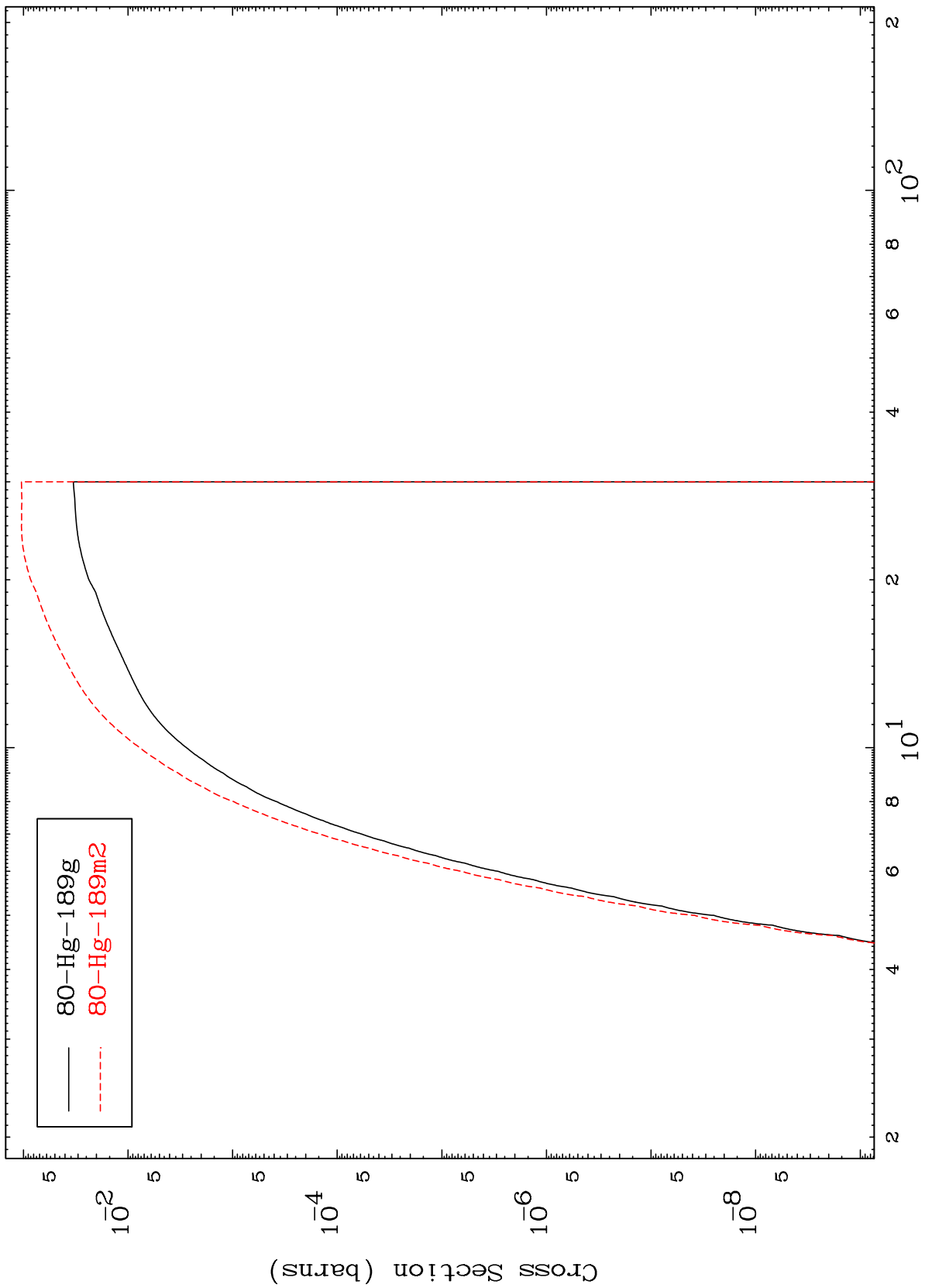


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(n,n') p

81-Tl-190m

Radionuclide Production Cross Section



— 80-Hg-189g
- - - 80-Hg-189m2

26

Incident Energy (MeV)

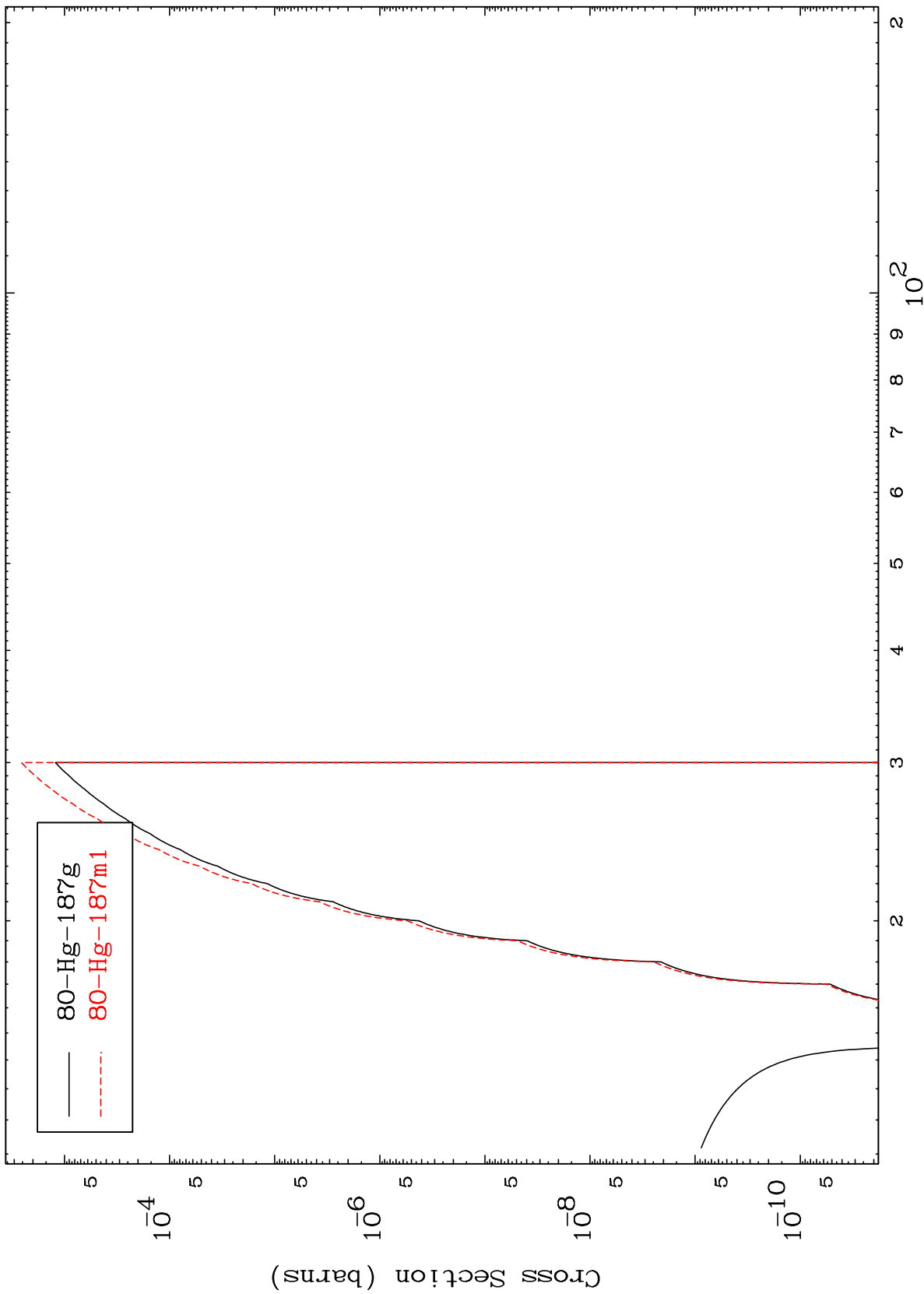
81-Tl-190m

MAT 8087

(n,n') t

81-Tl-190m

Radionuclide Production Cross Section



Incident Energy (MeV)

81-Tl-190m

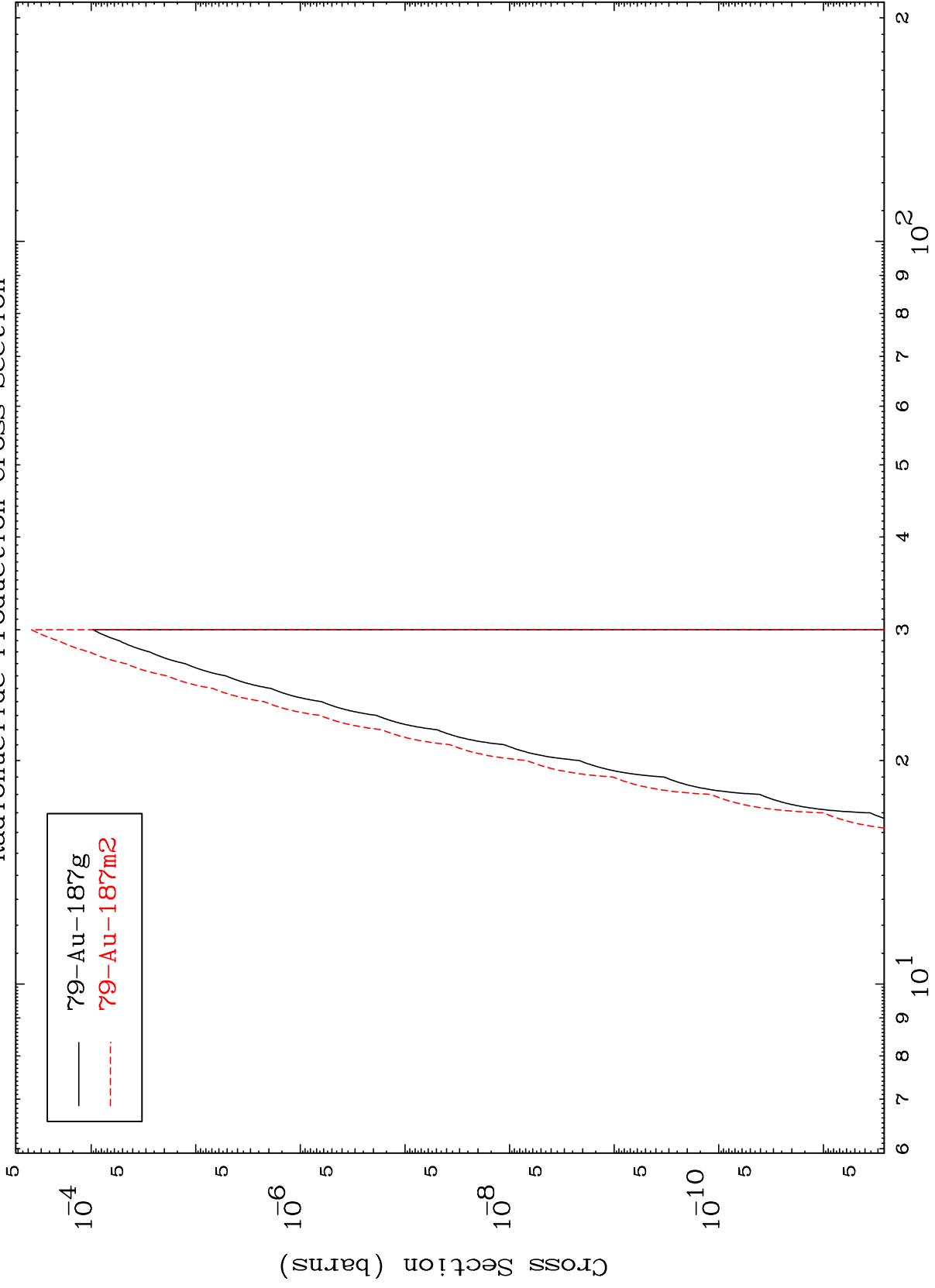
27

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(n,n') He-3

81-Tl-190m

Radionuclide Production Cross Section



— $^{79}\text{Au-187g}$
- - - $^{79}\text{Au-187m2}$

28

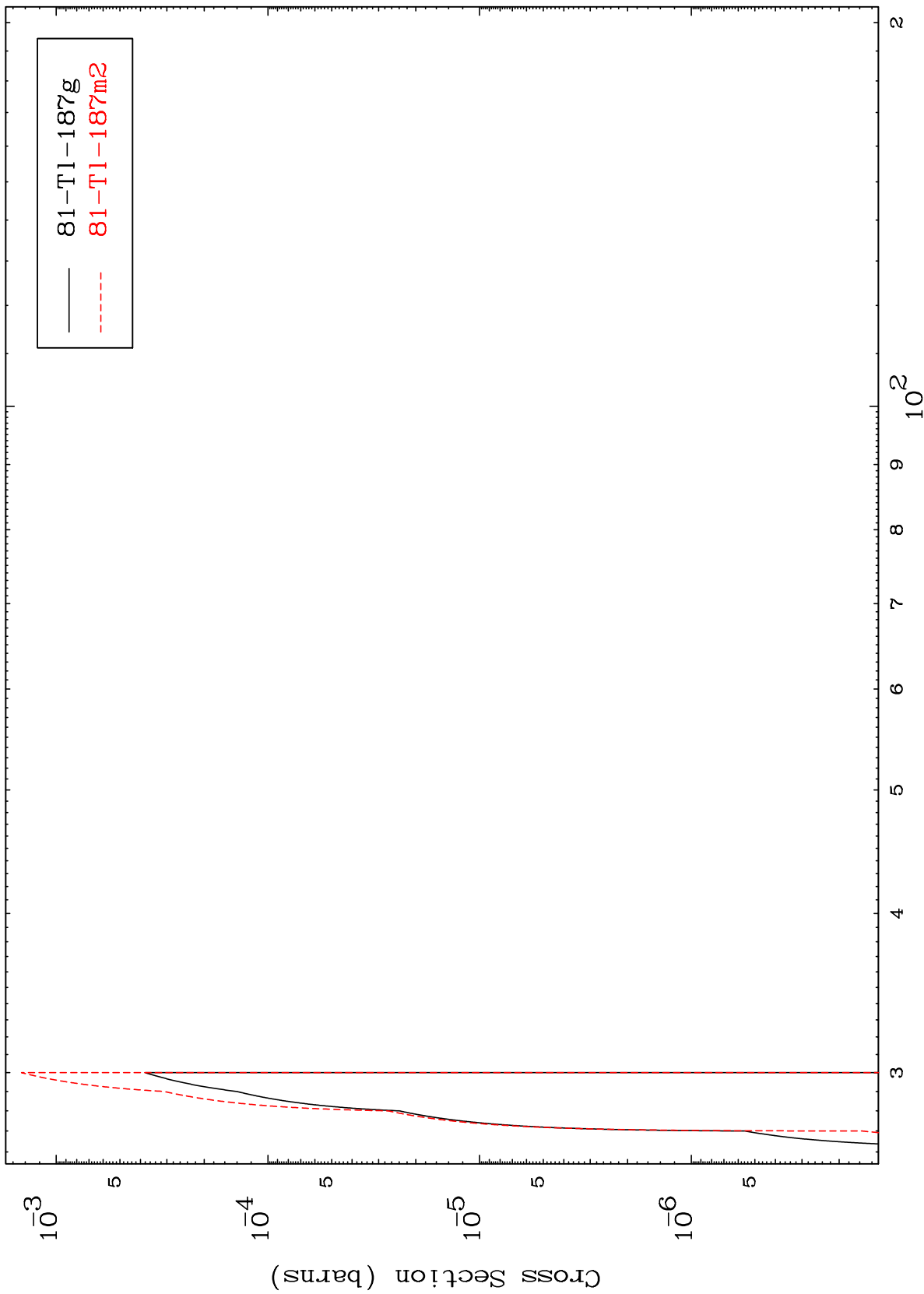
Incident Energy (MeV)

81-Tl-190m

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81-Tl-190m

(n,4n)
Radionuclide Production Cross Section



29

81-Tl-190m

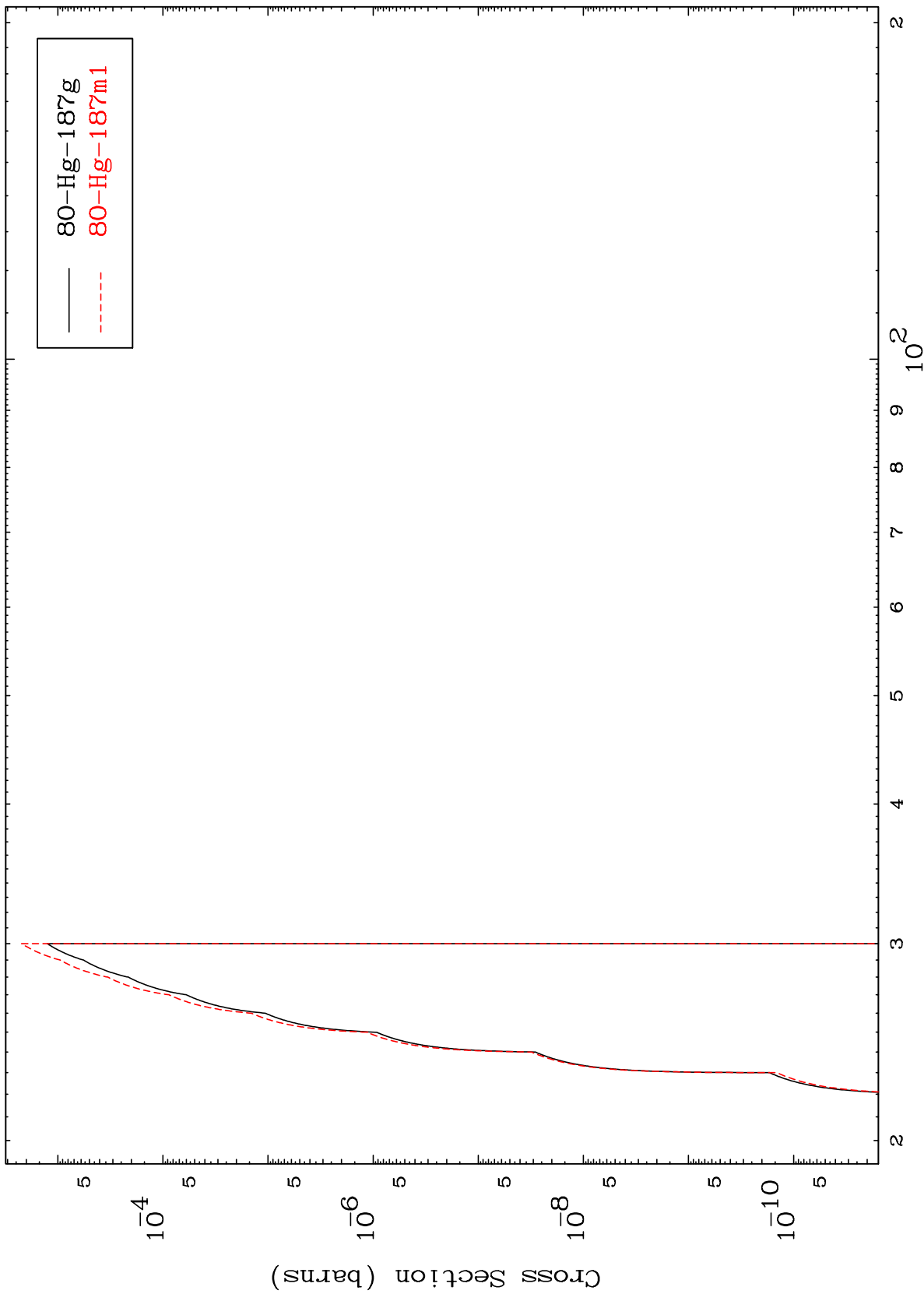
Incident Energy (MeV)

MAT 8087

(n,3n) p

81-Tl-190m

Radionuclide Production Cross Section



30

Incident Energy (MeV)

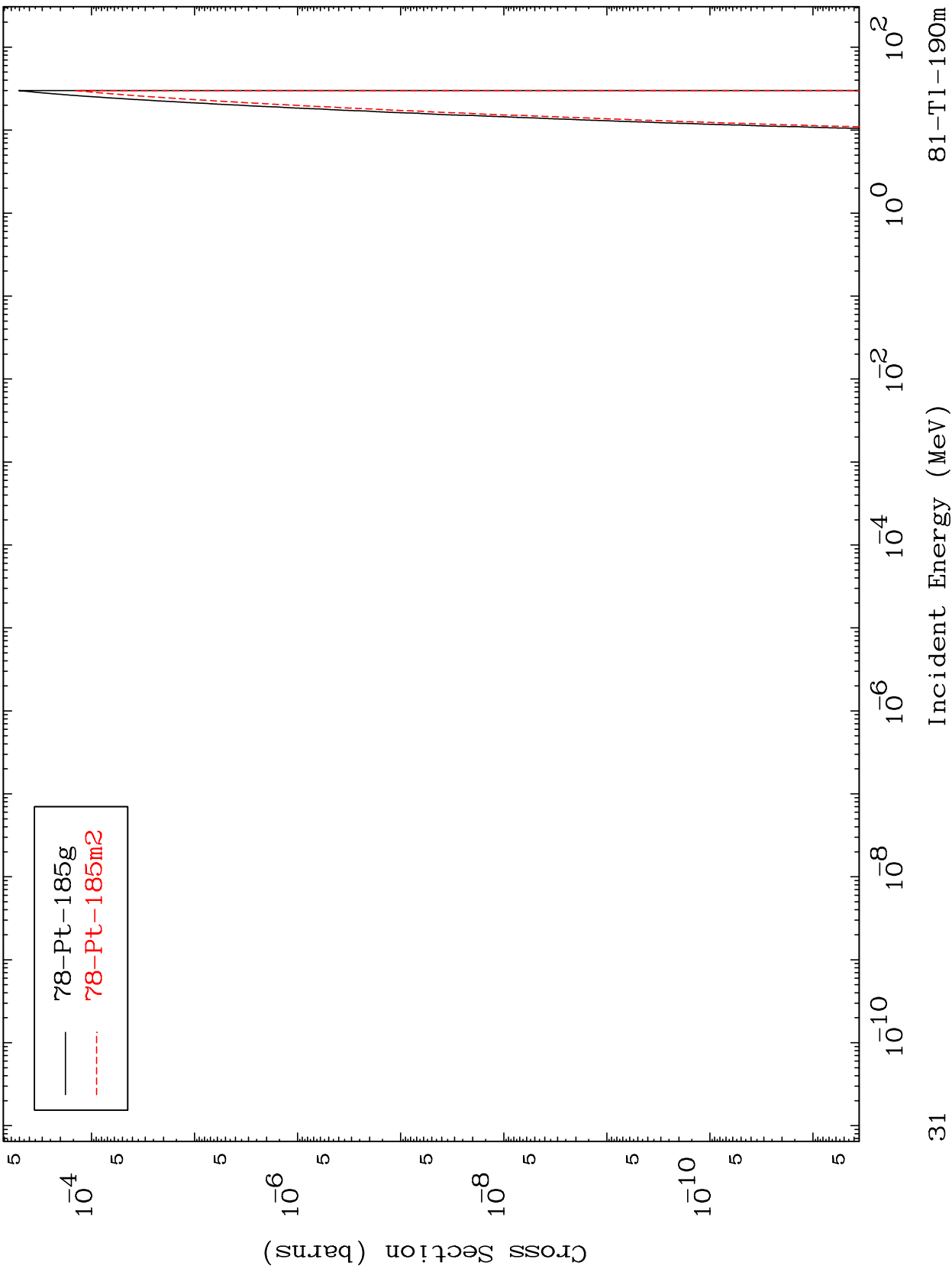
81-Tl-190m

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(n,n') p α

81-Tl-190m

Radionuclide Production Cross Section

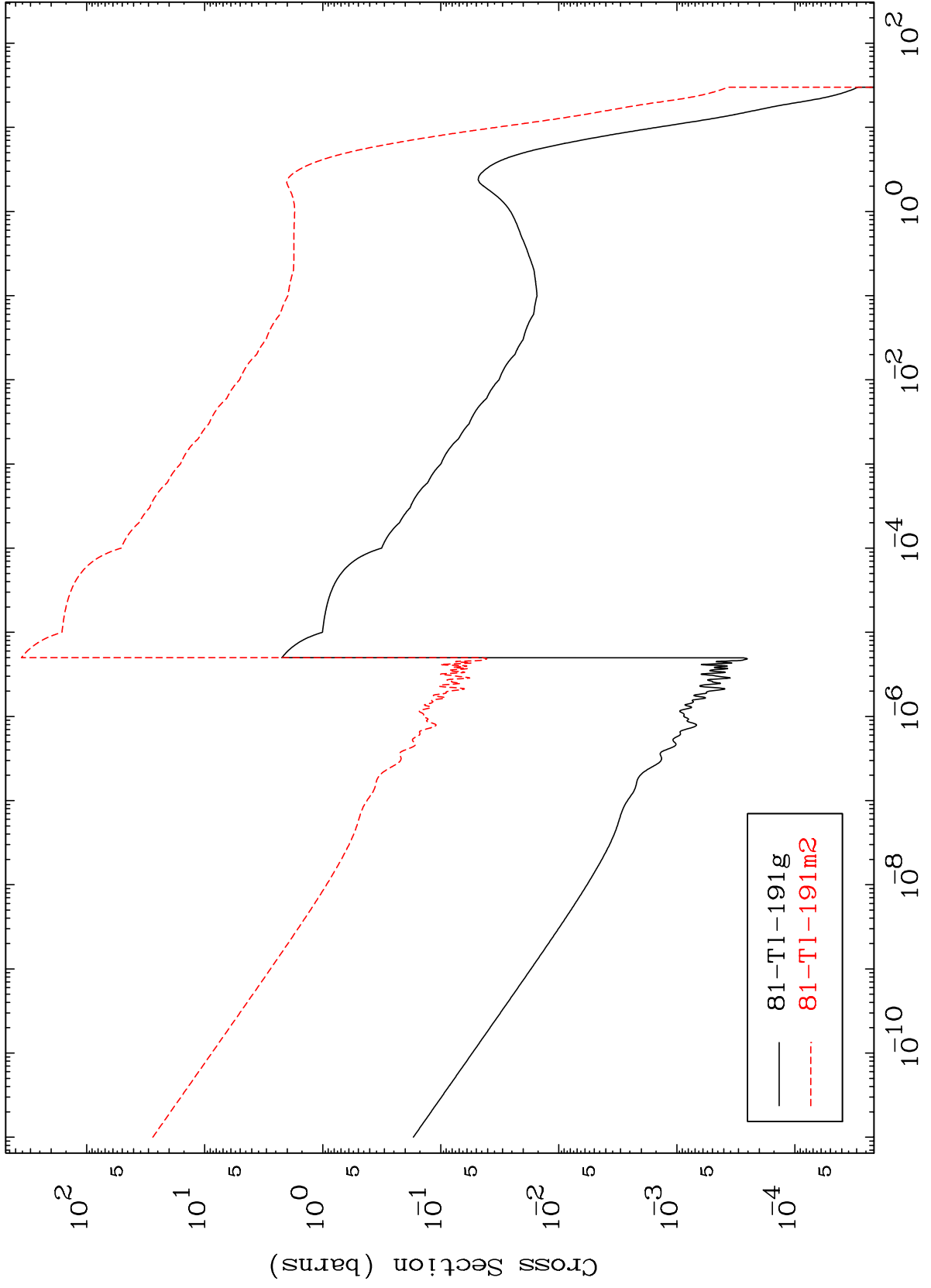


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81-Tl-190m

Radionuclide Production Cross Section

(n, γ)



81-Tl-190m

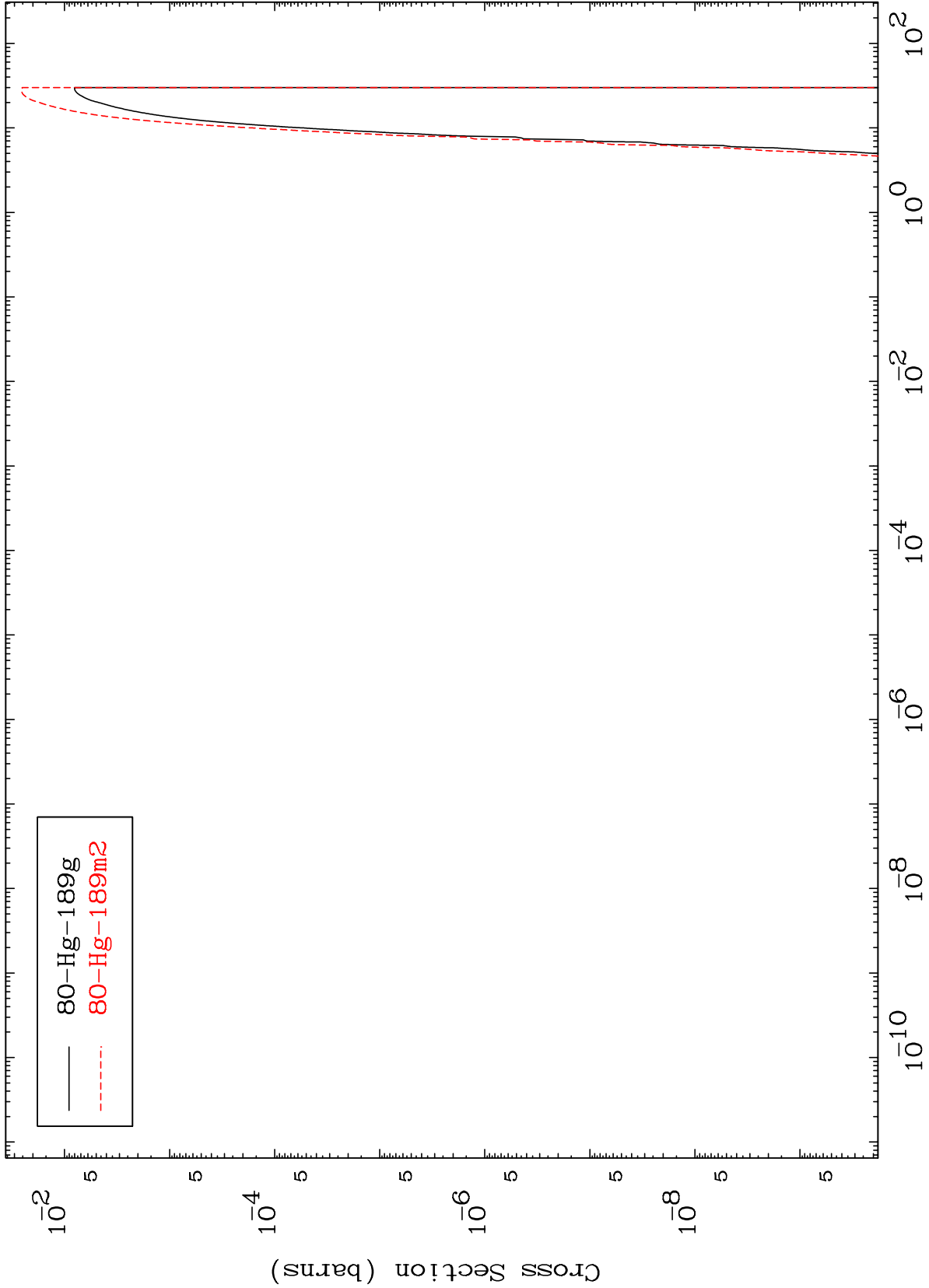
Incident Energy (MeV)

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(n,d)

81-Tl-190m

Radionuclide Production Cross Section



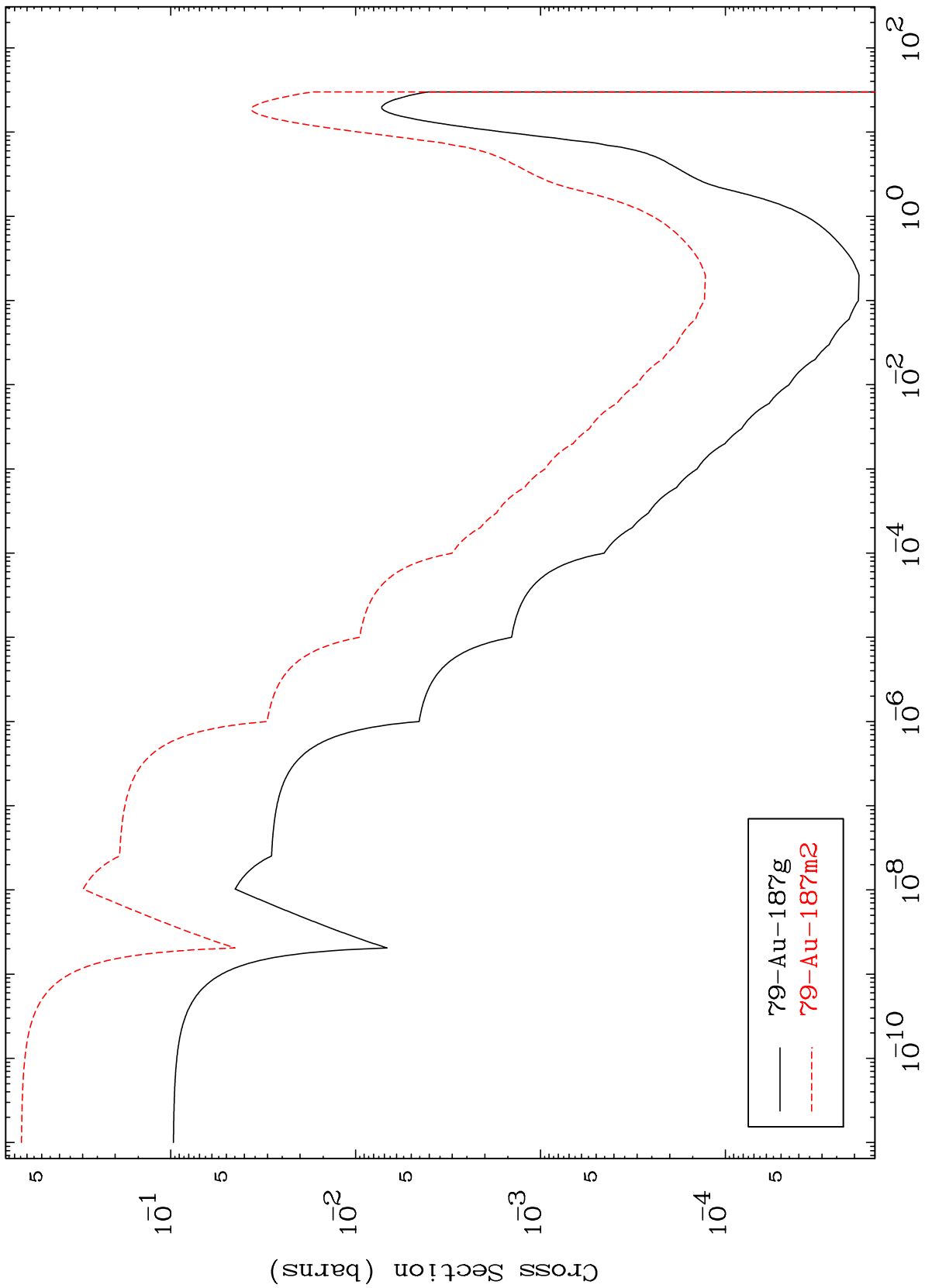
81-Tl-190m

MAT 8087

81-Tl-190m

Radionuclide Production Cross Section

(n, α)

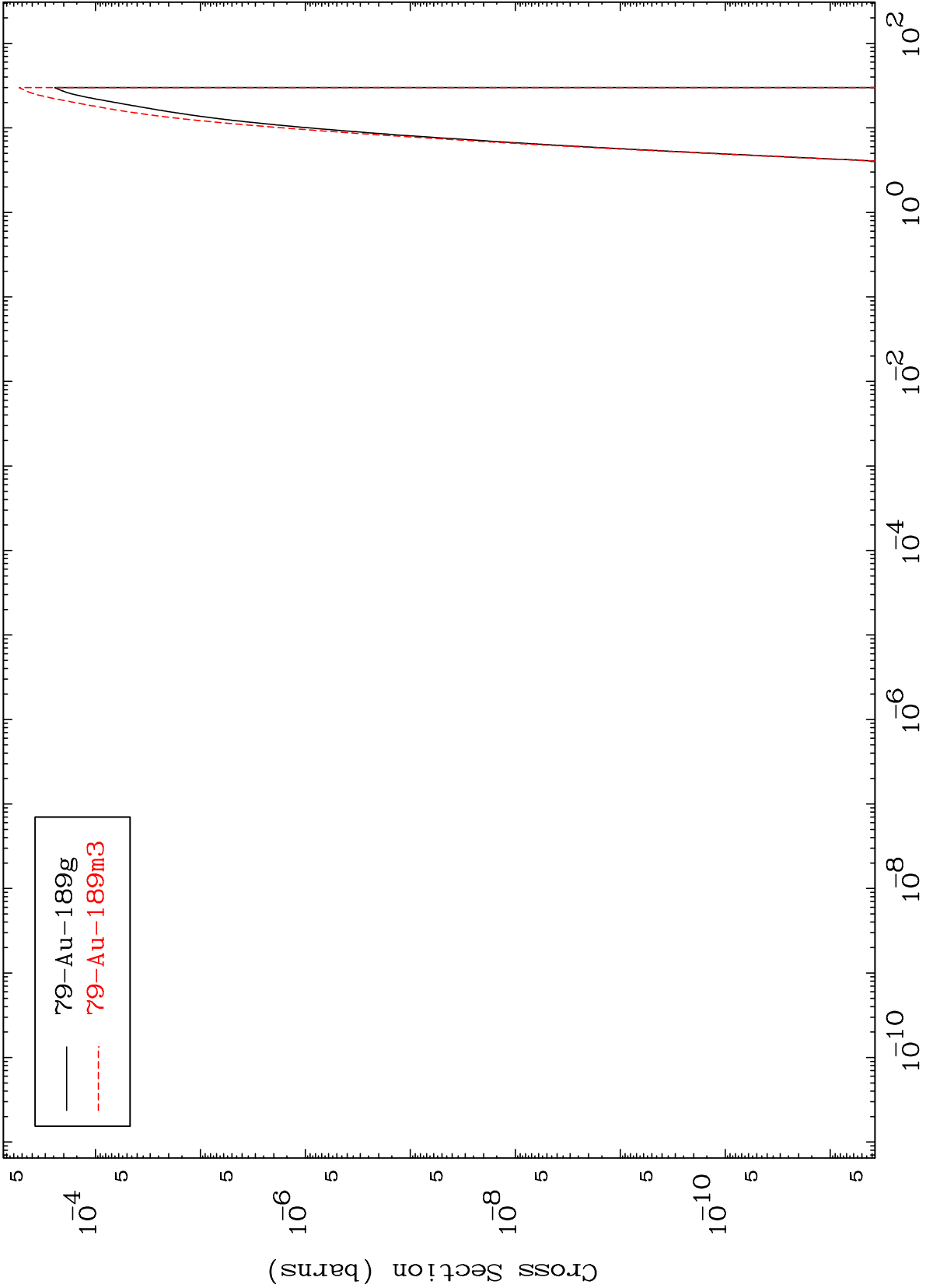


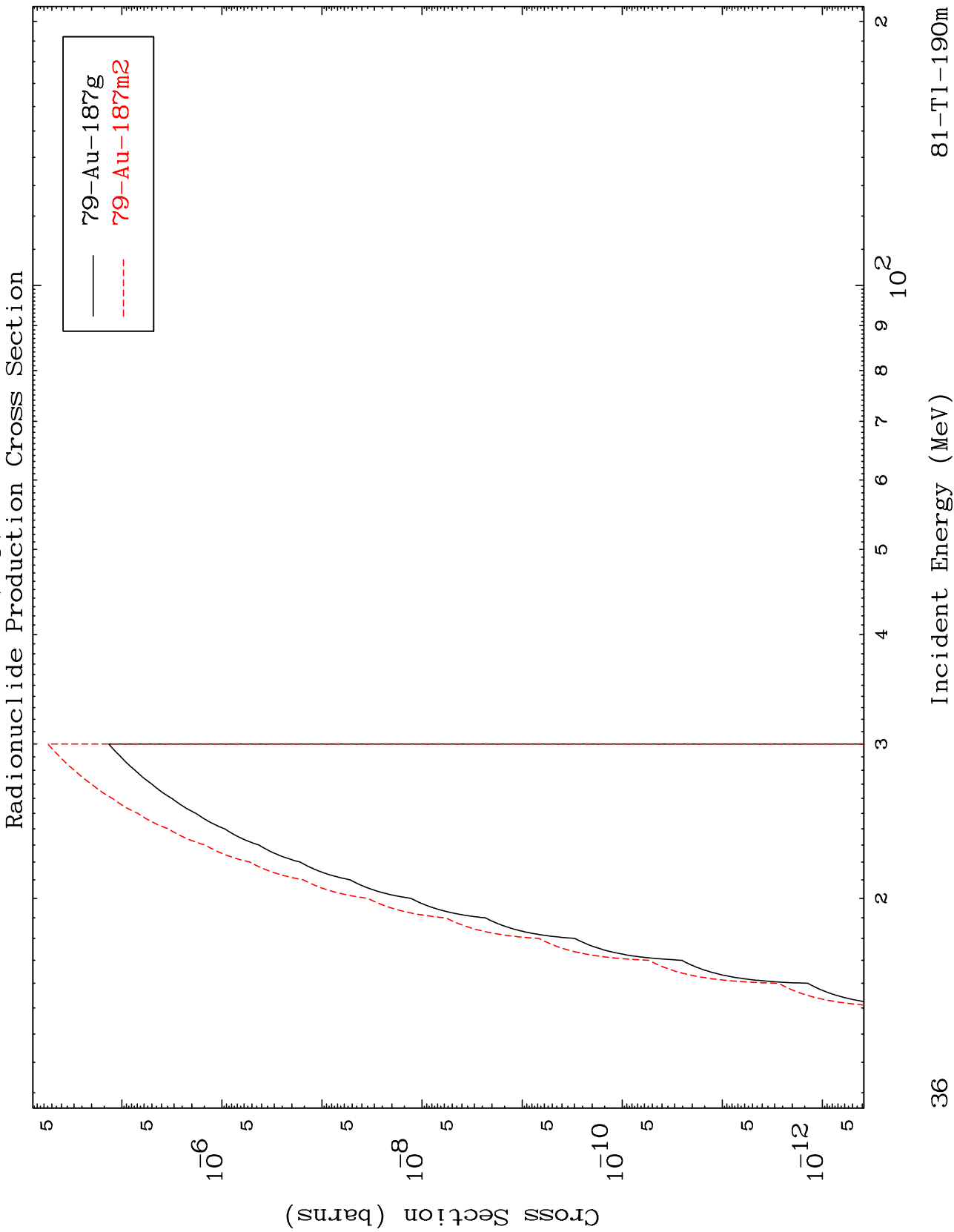
MAT 8087

(n,2p)

81-Tl-190m

Radionuclide Production Cross Section





MAT 8087

(n,d) α

81-Tl-190m

Radionuclide Production Cross Section

