

Program EVALPLOT
(Version 2021-1)

by

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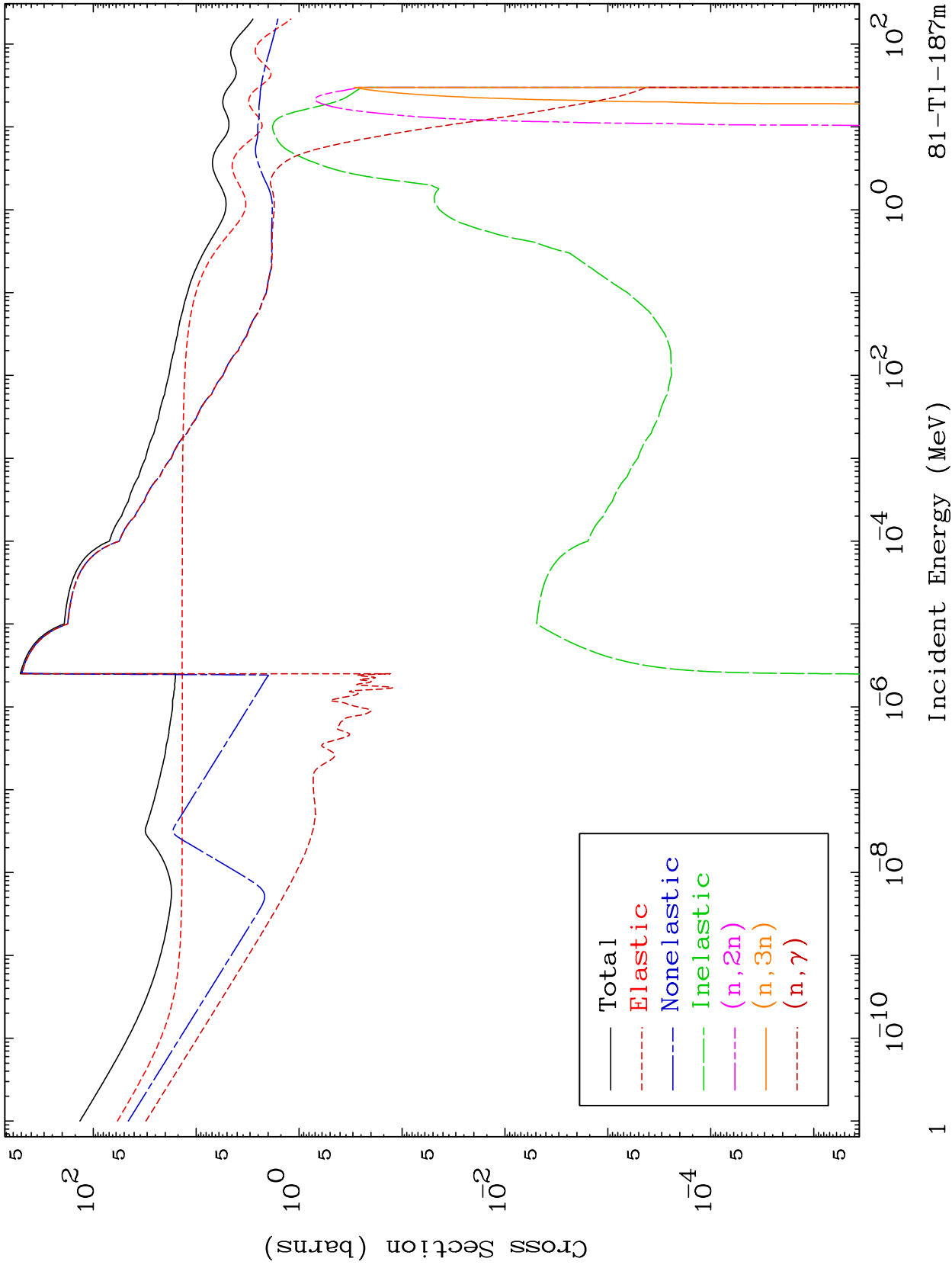
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8078

Neutron Major
293 Kelvin Cross Sections

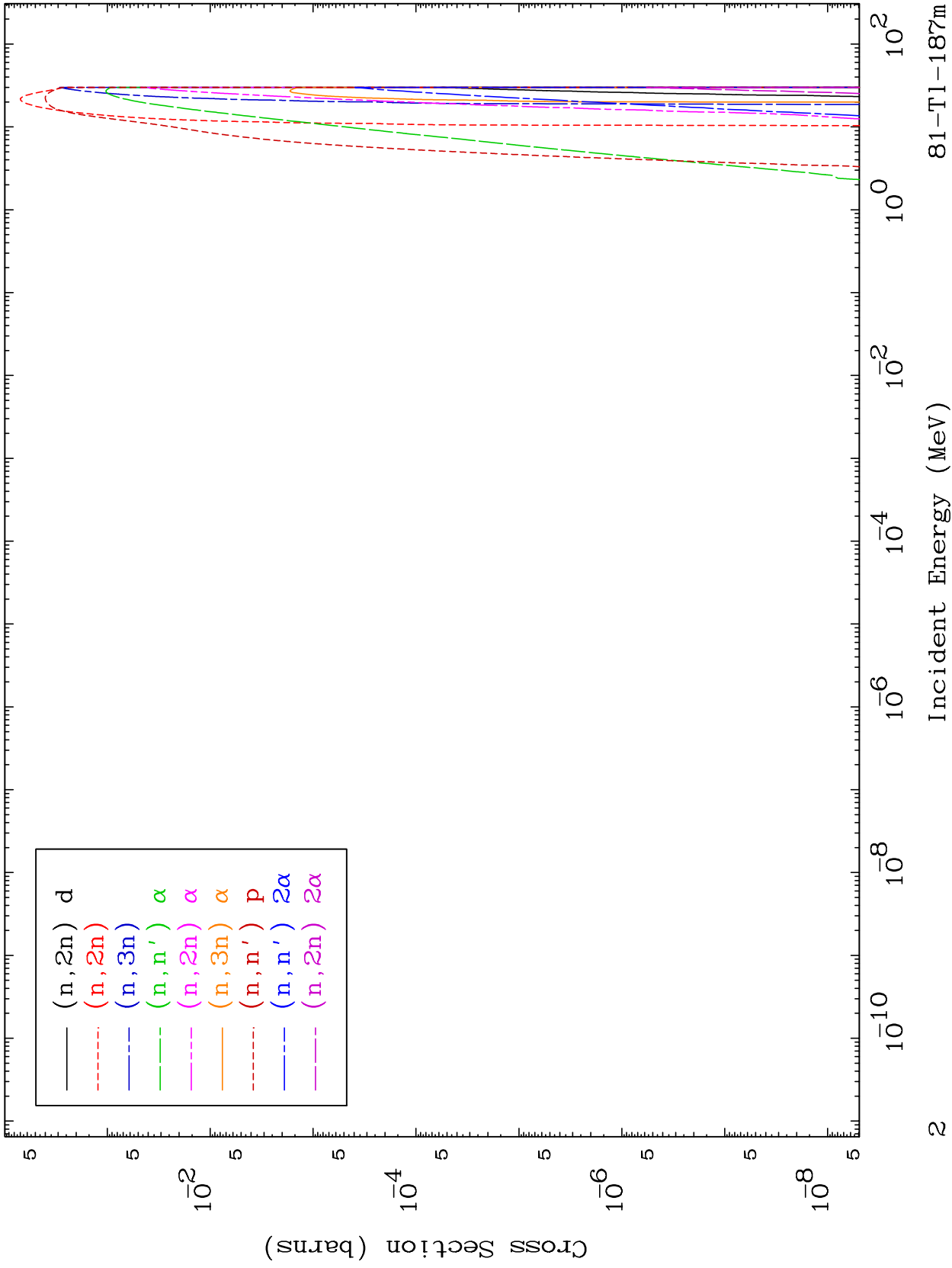
81-TI-187m



MAT 8078

Neutron Absorption
293 Kelvin Cross Sections

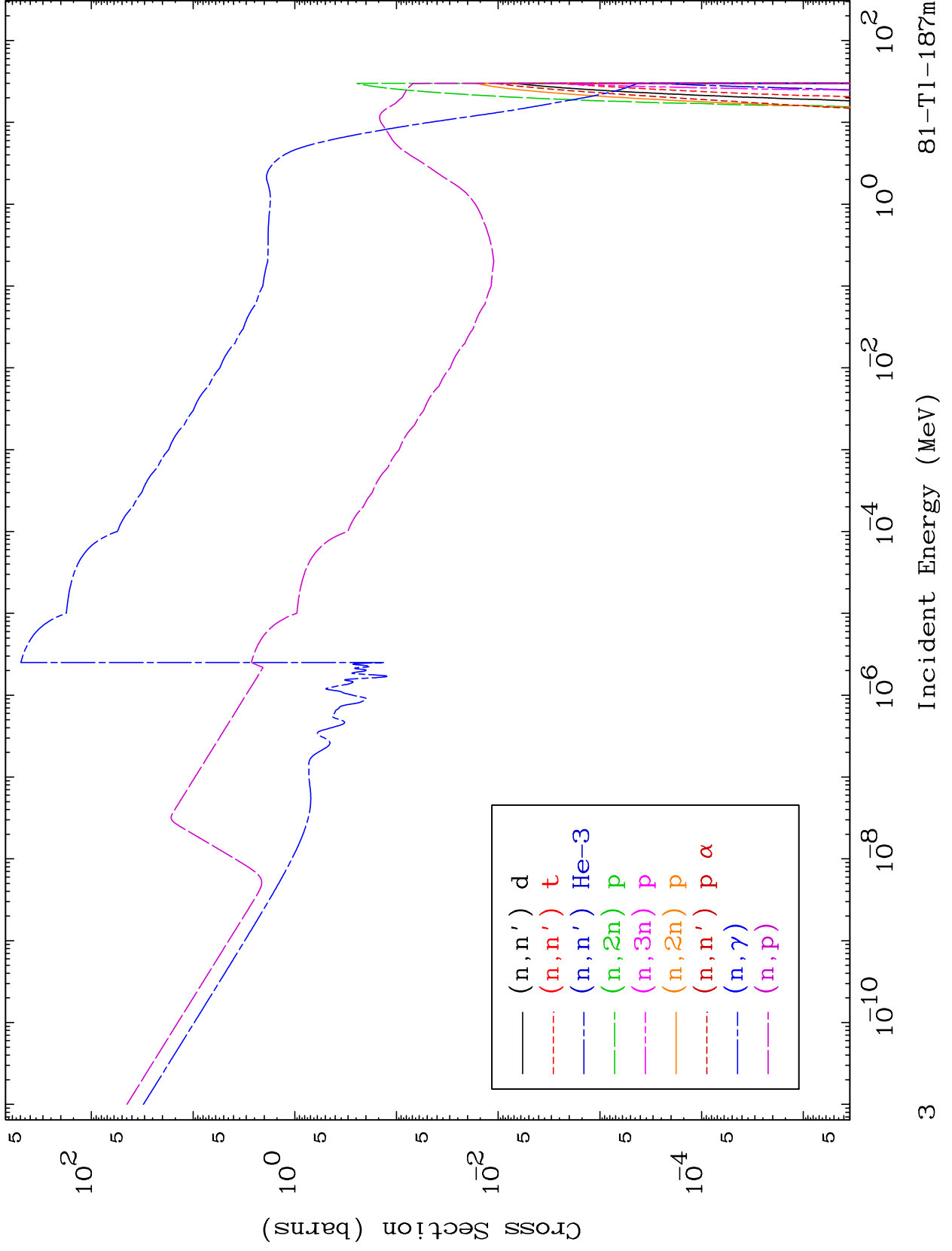
81-Tl-187m

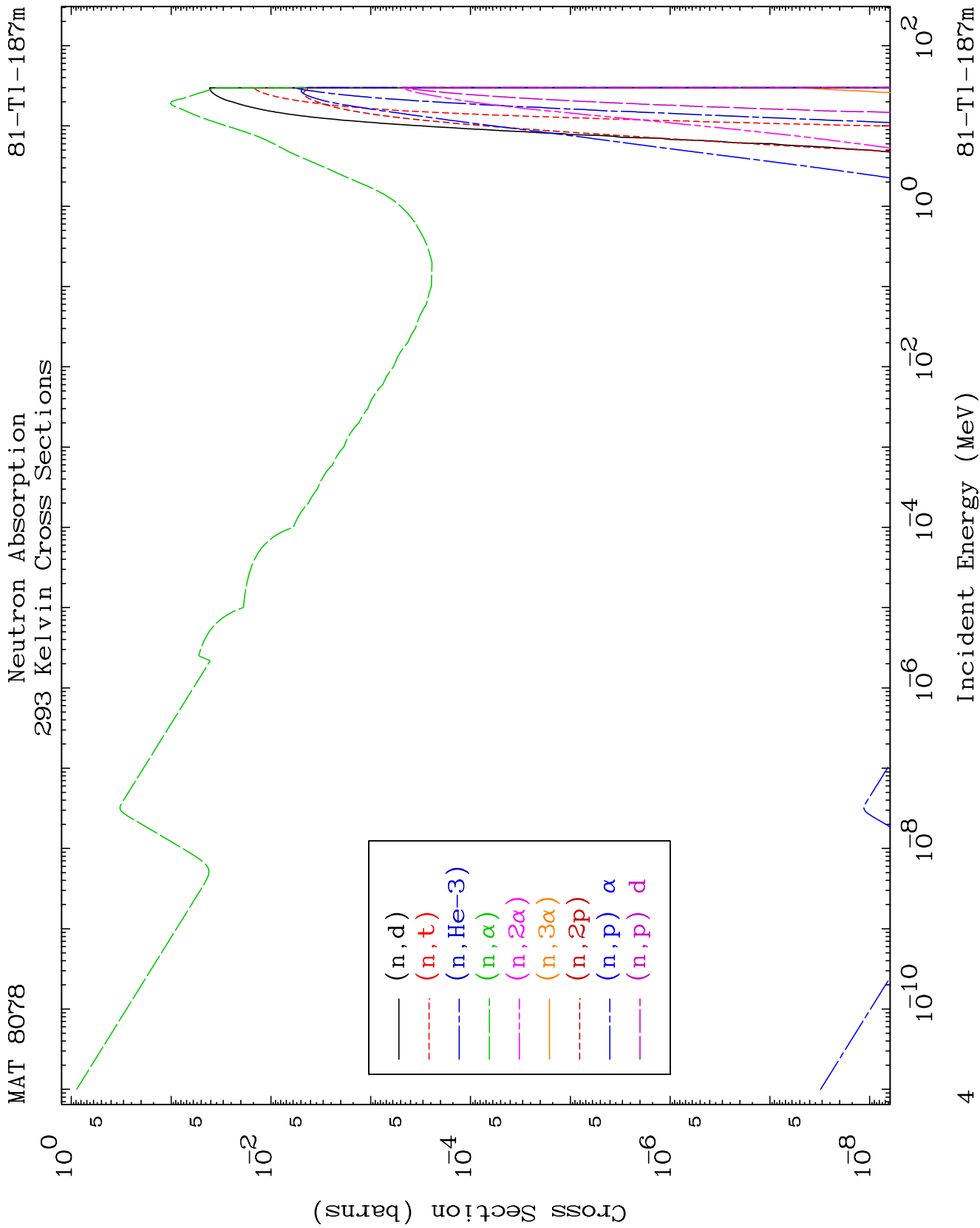


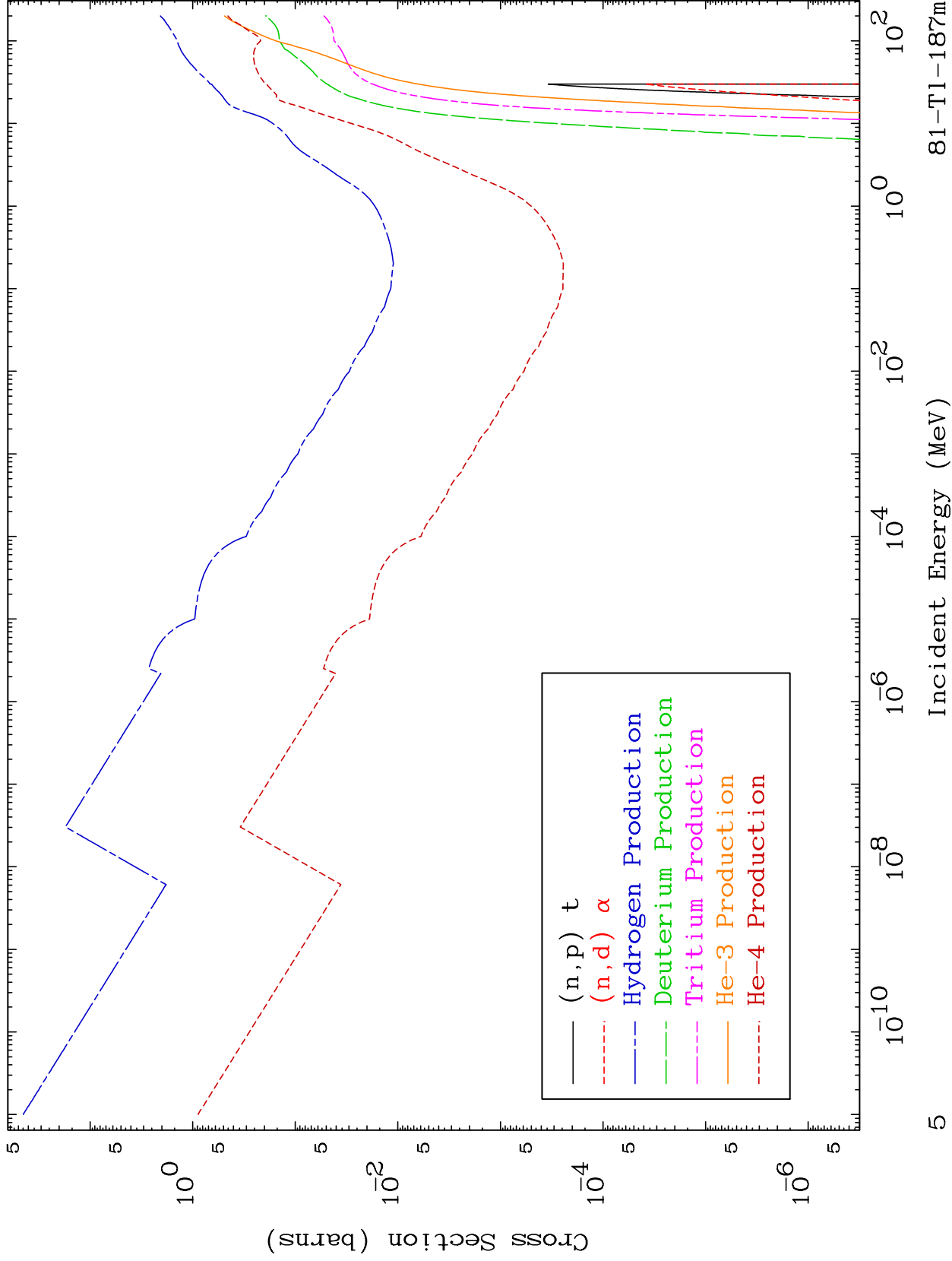
MAT 8078

Neutron Absorption
293 Kelvin Cross Sections

81-Tl-187m



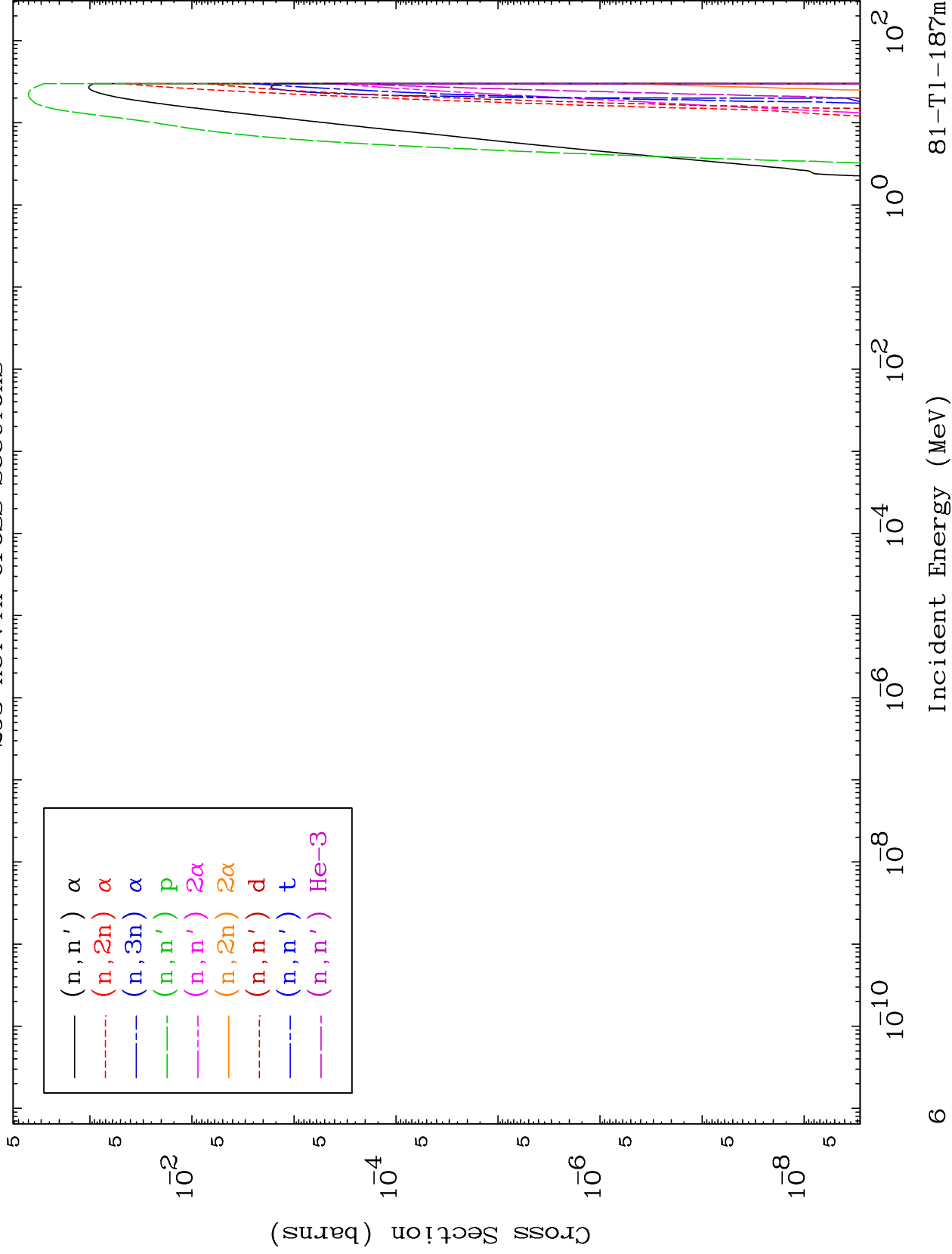




MAT 8078

Charged Particle
293 Kelvin Cross Sections

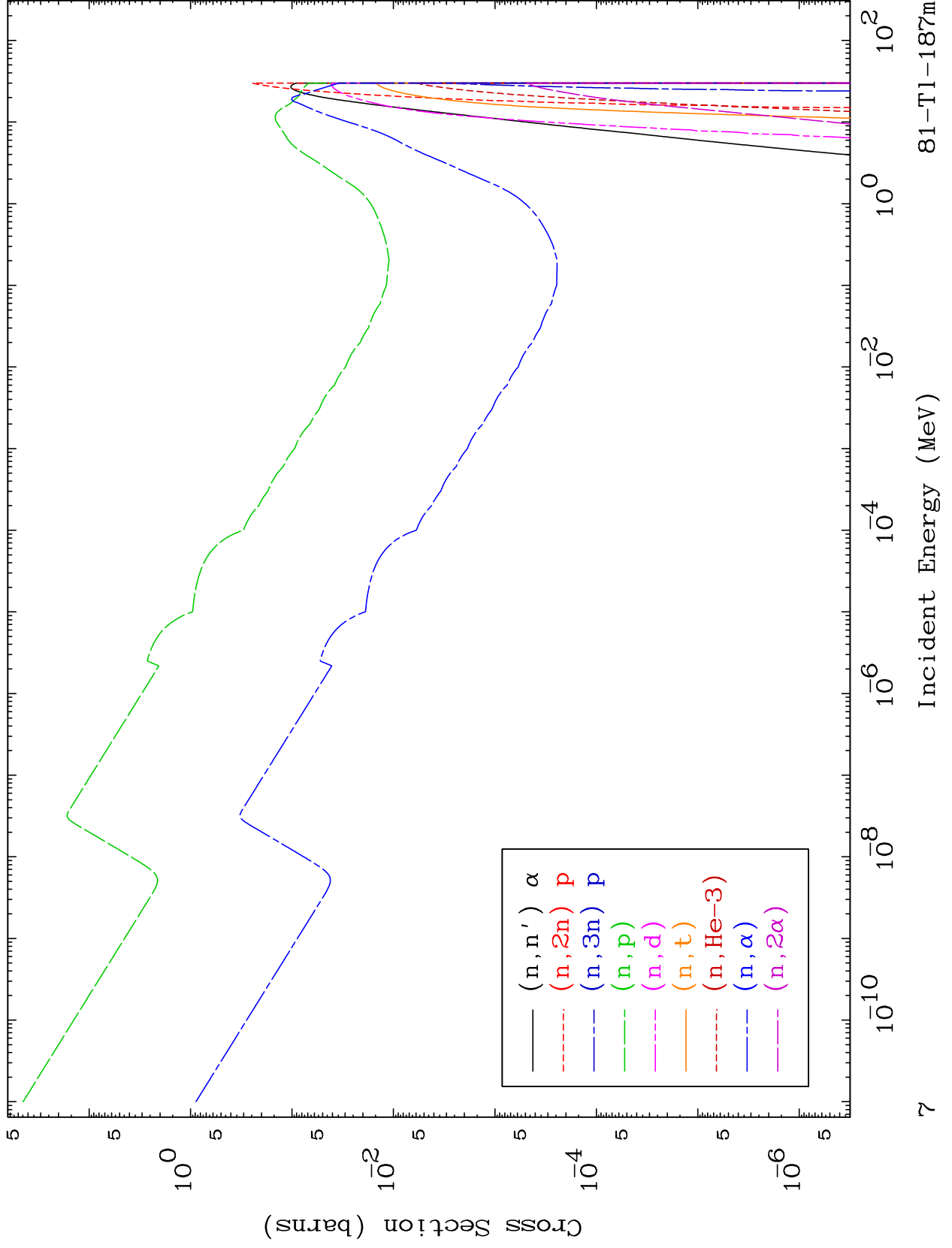
81-Tl-187m



MAT 8078

Charged Particle
293 Kelvin Cross Sections

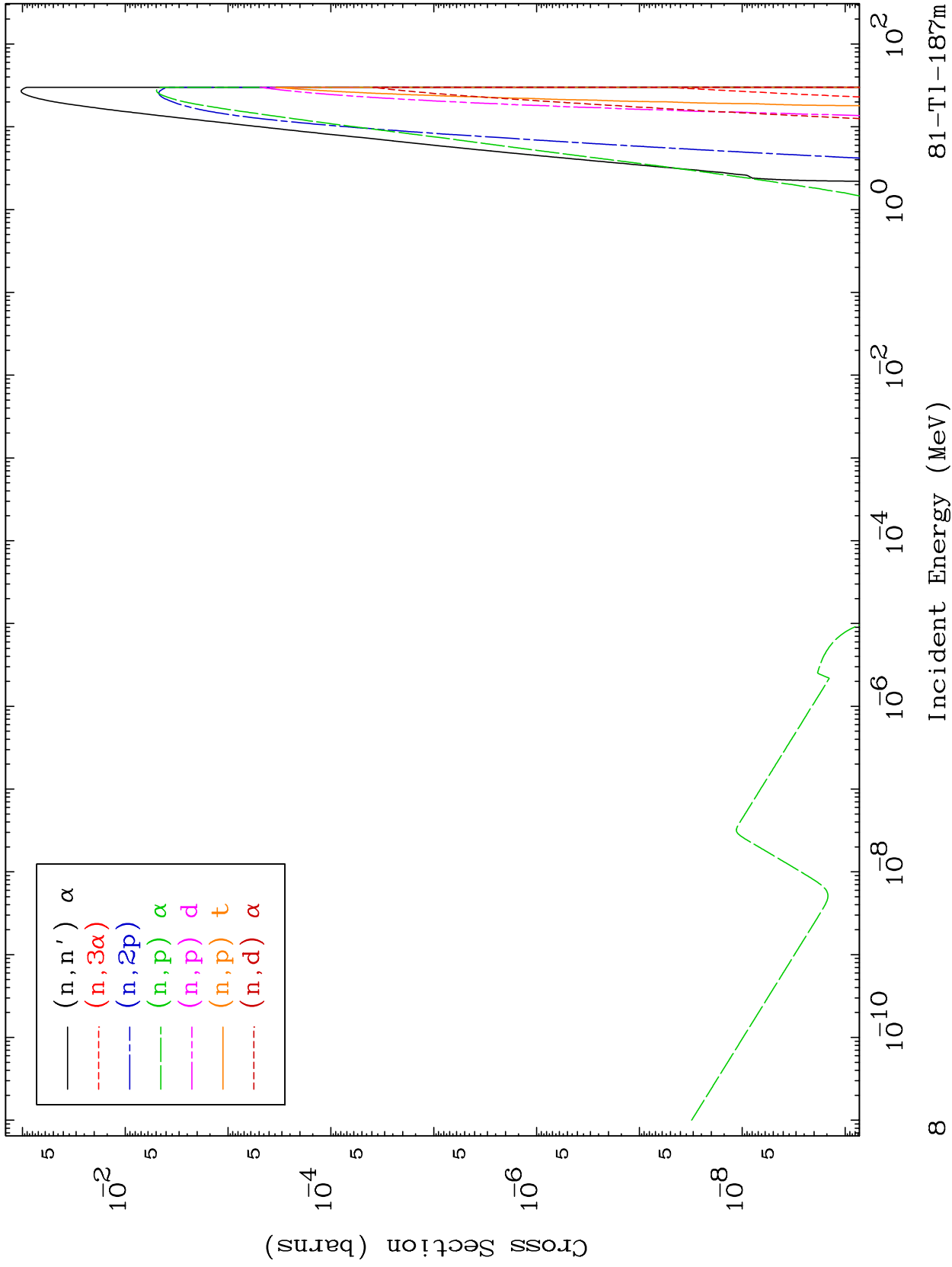
81-Tl-187m



MAT 8078

Charged Particle
293 Kelvin Cross Sections

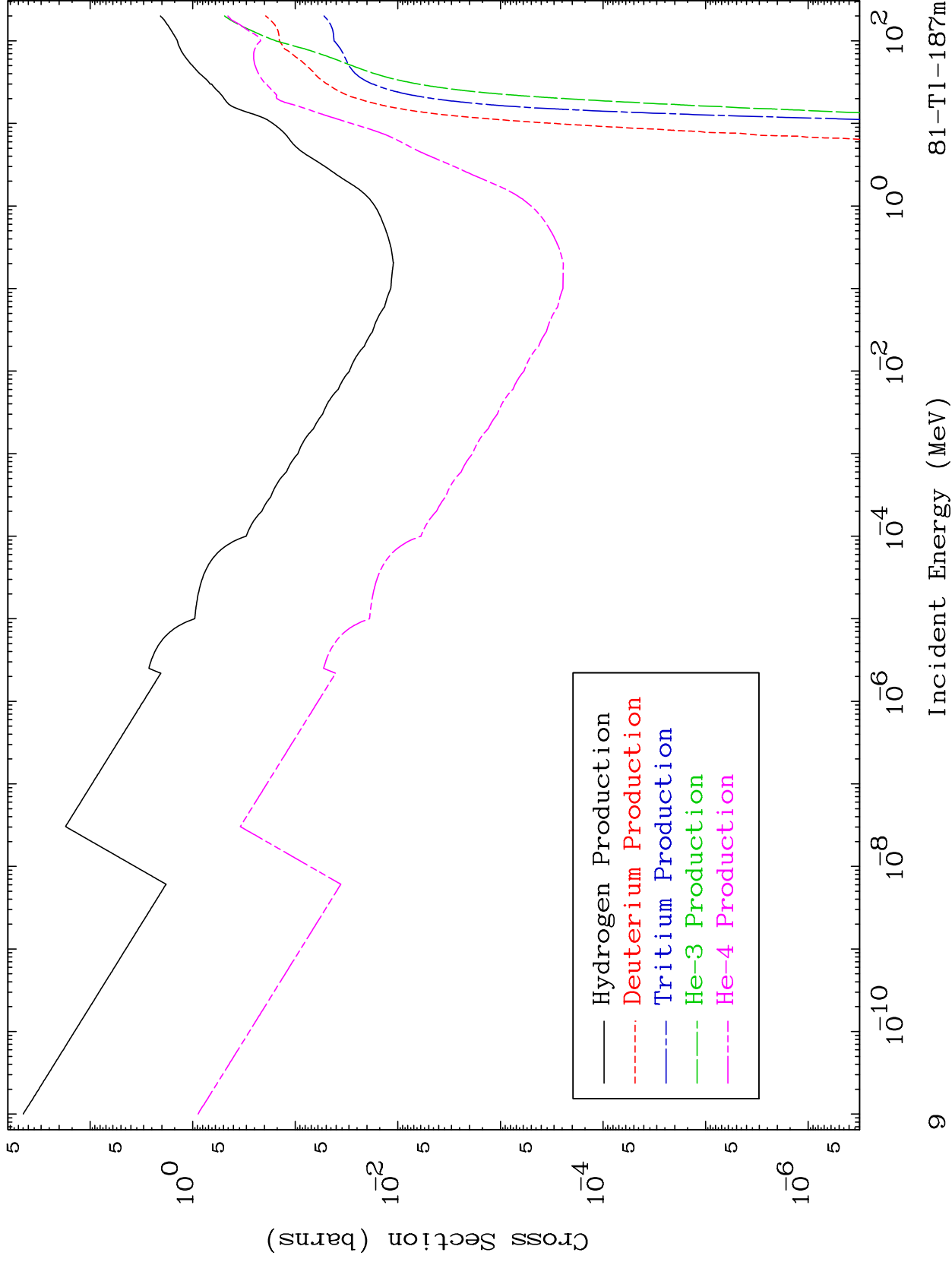
81-Tl-187m



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Particle Production
293 Kelvin Cross Sections

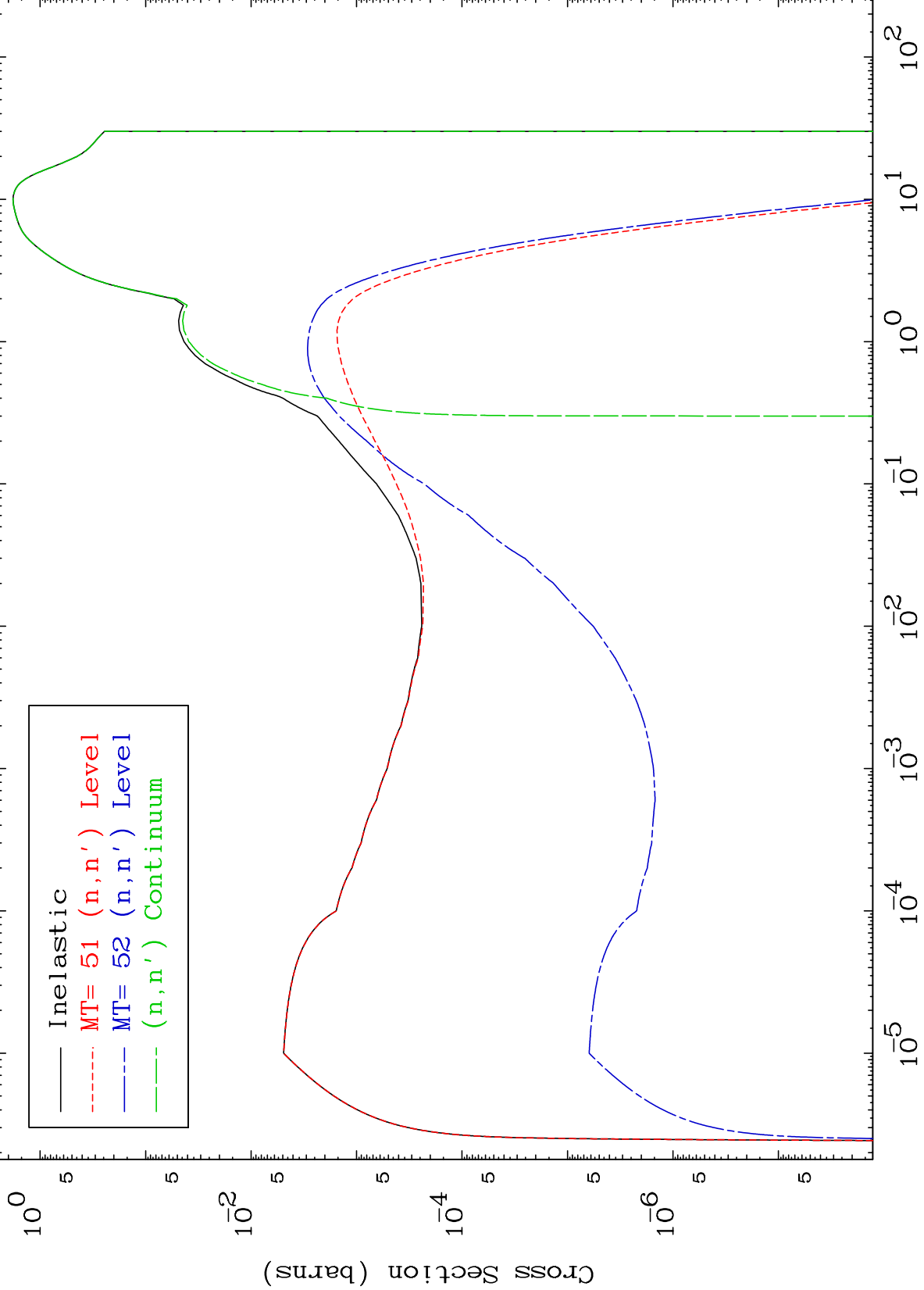
81-Tl-187m



MAT 8078

(n,n') Levels
293 Kelvin Cross Sections

81-Tl-187m



10

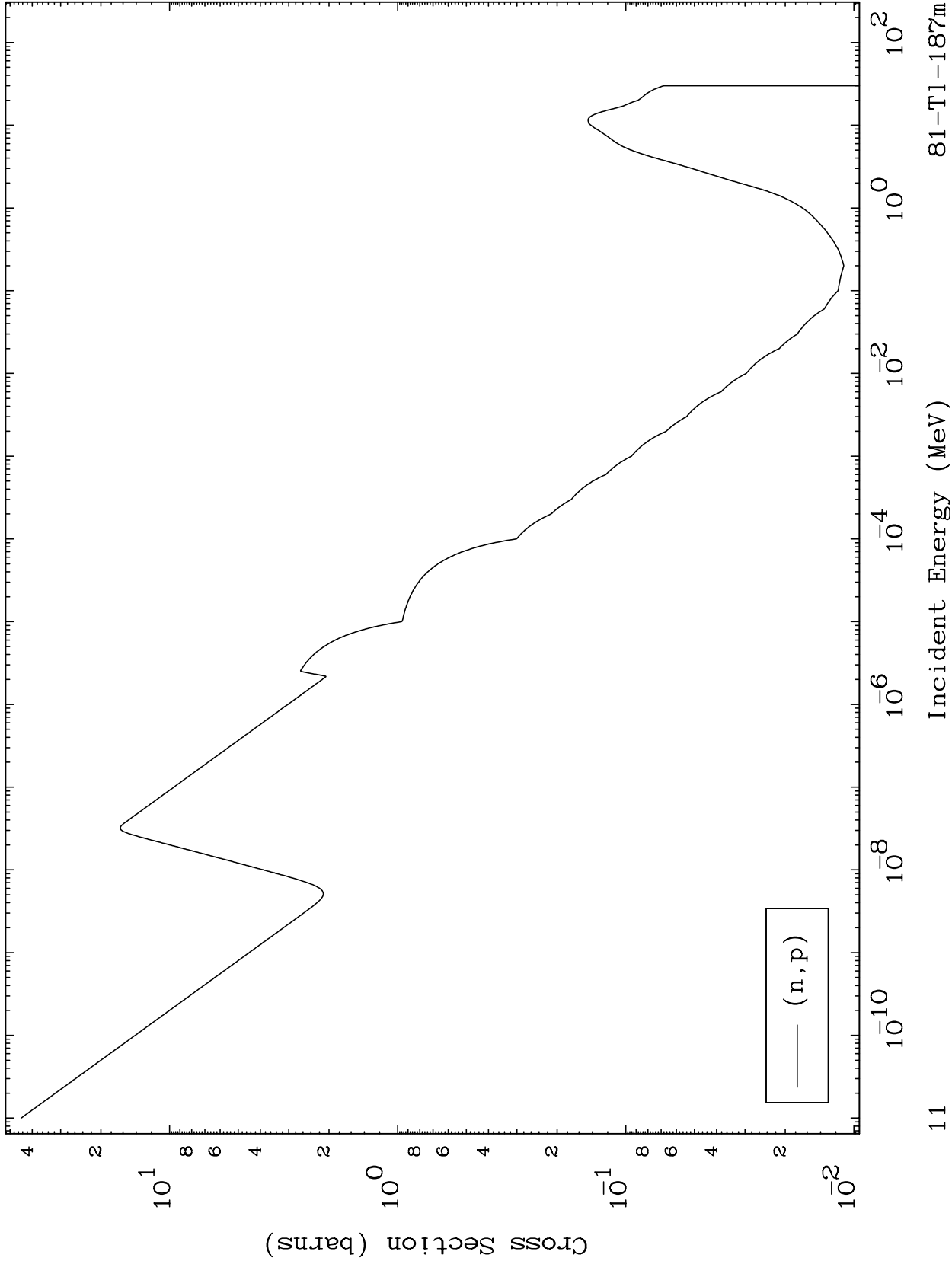
Incident Energy (MeV)

81-Tl-187m

MAT 8078

(n,p) Levels
293 Kelvin Cross Sections

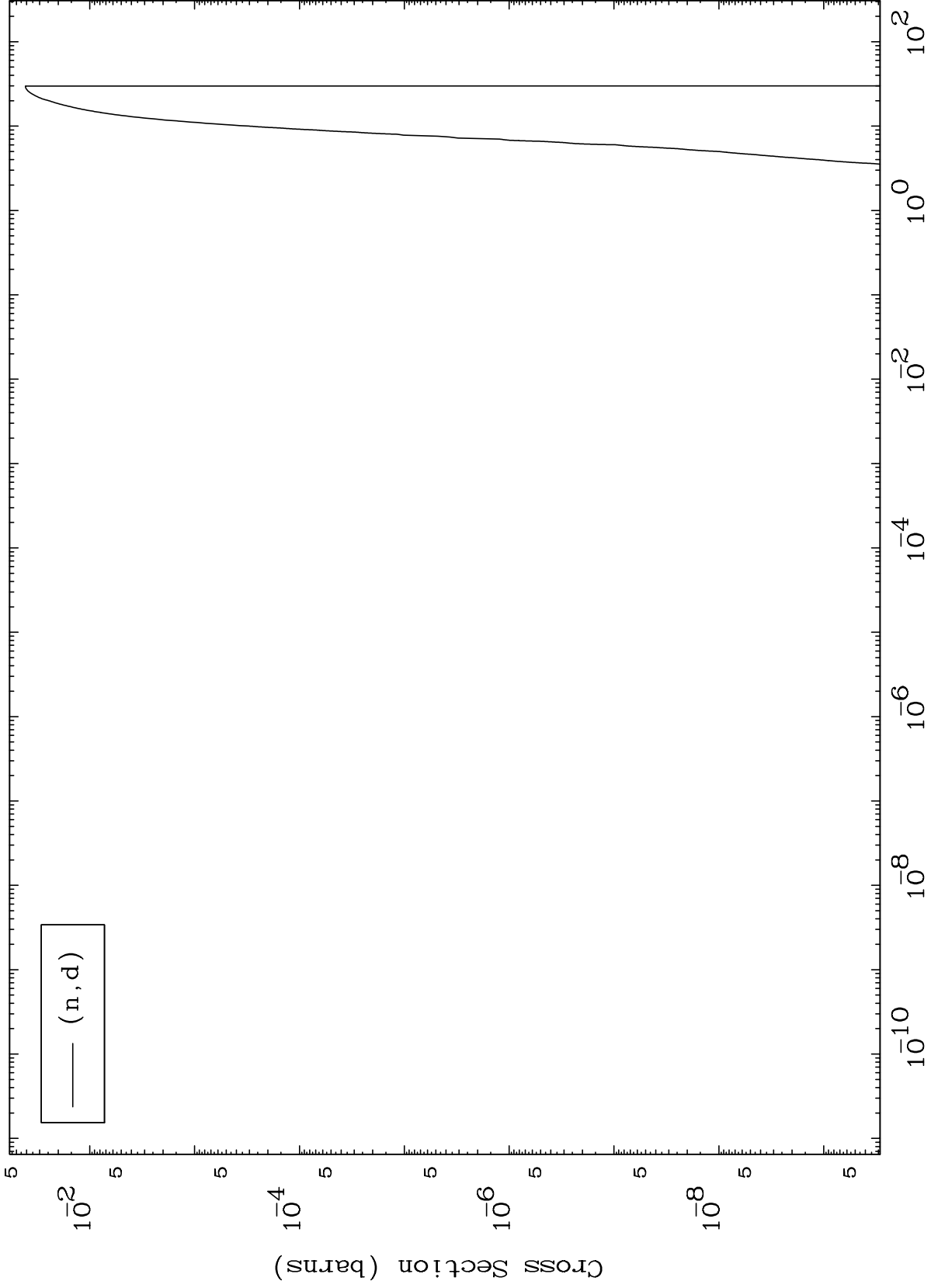
81-Tl-187m



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(n,d) Levels
293 Kelvin Cross Sections

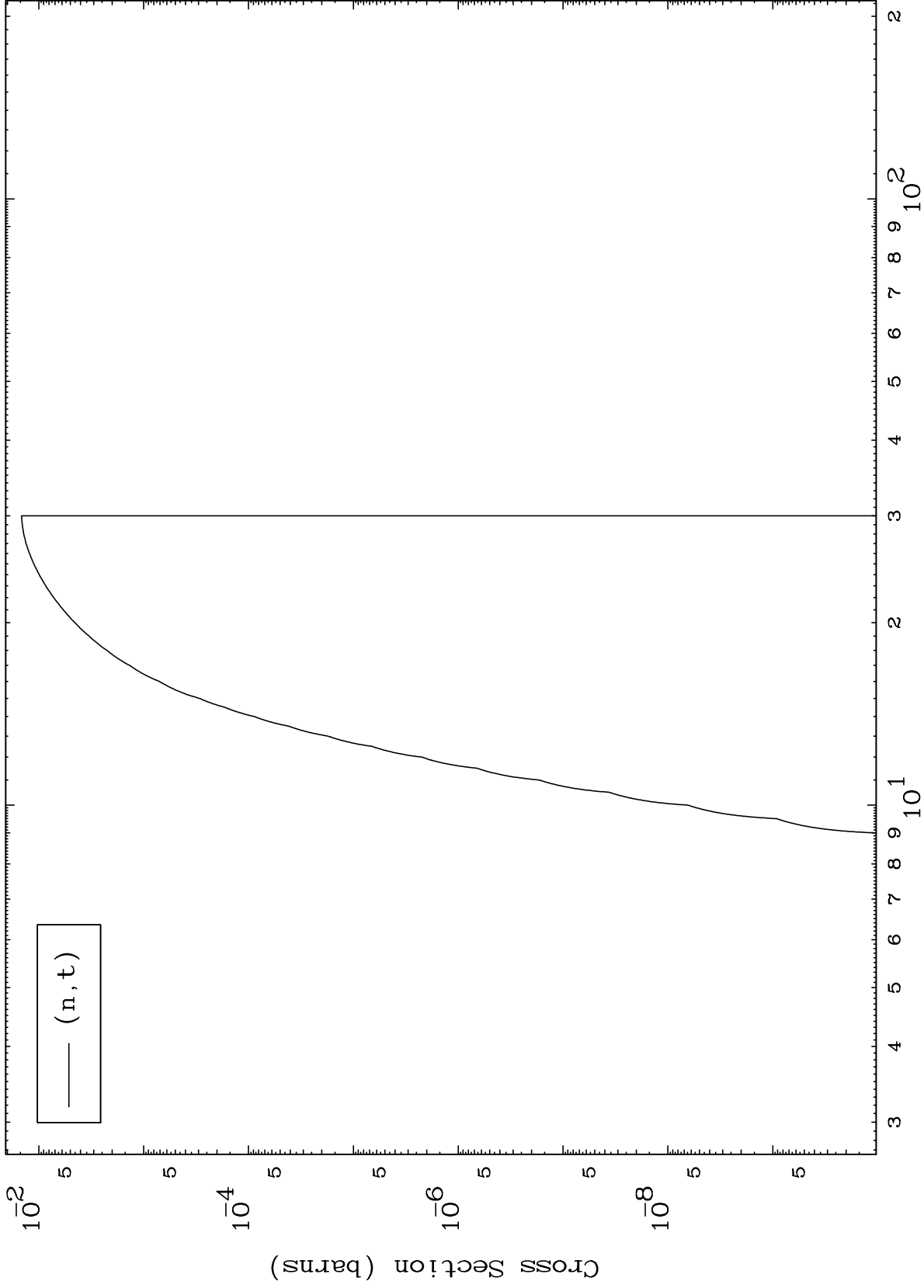
81-Tl-187m



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(n,t) Levels
293 Kelvin Cross Sections

81-Tl-187m



81-Tl-187m

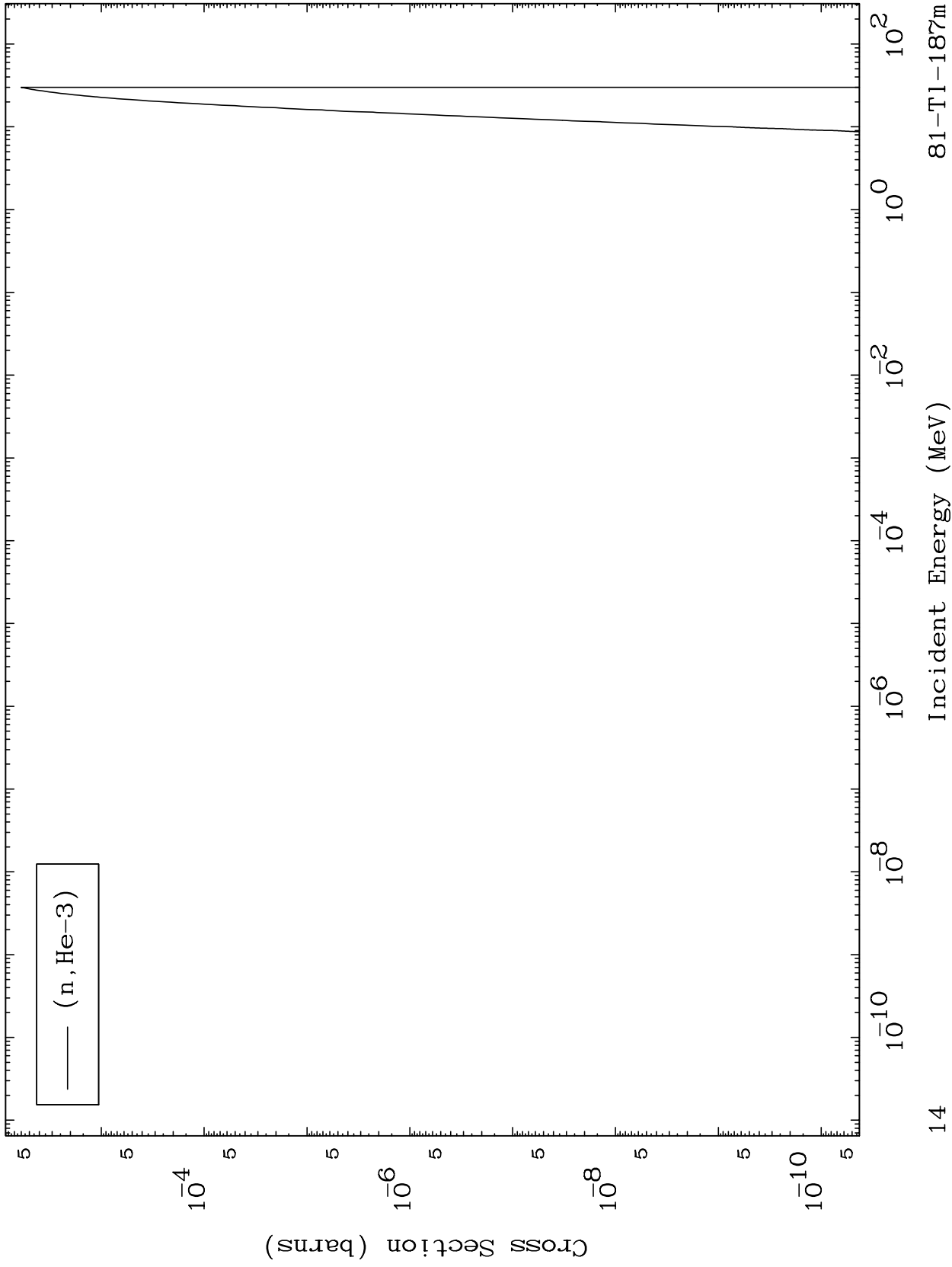
Incident Energy (MeV)

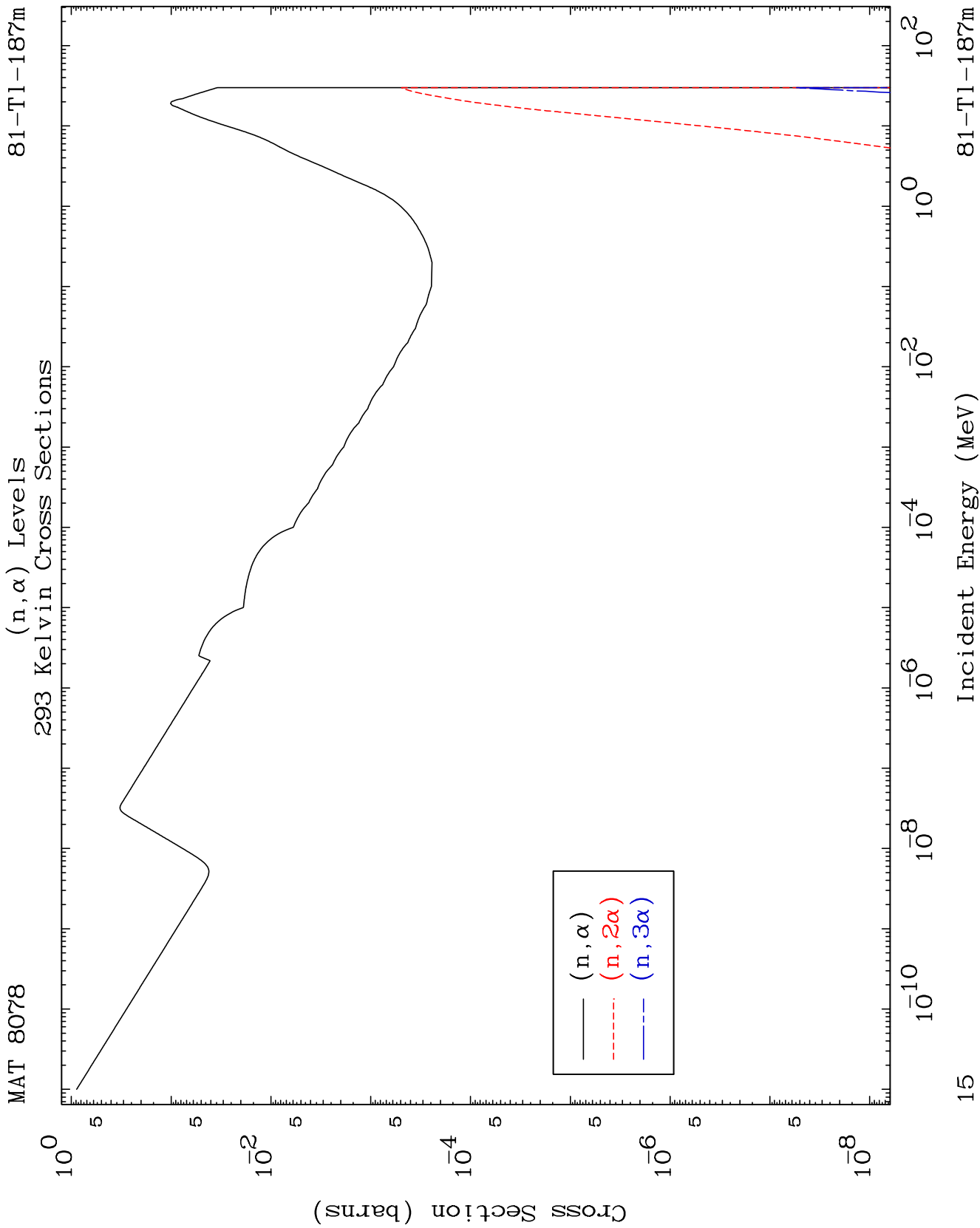
13

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(n,He3) Levels
293 Kelvin Cross Sections

81-Tl-187m

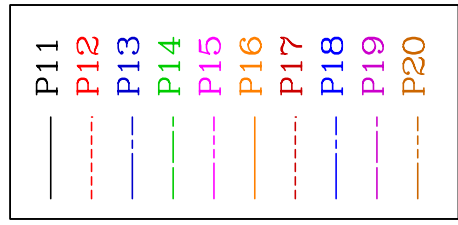




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Elastic Legendre Coefficients

81-Tl-187m



$\times 10^{-4}$

Legendre (CM)

3

2

1

0

5

10

15

20

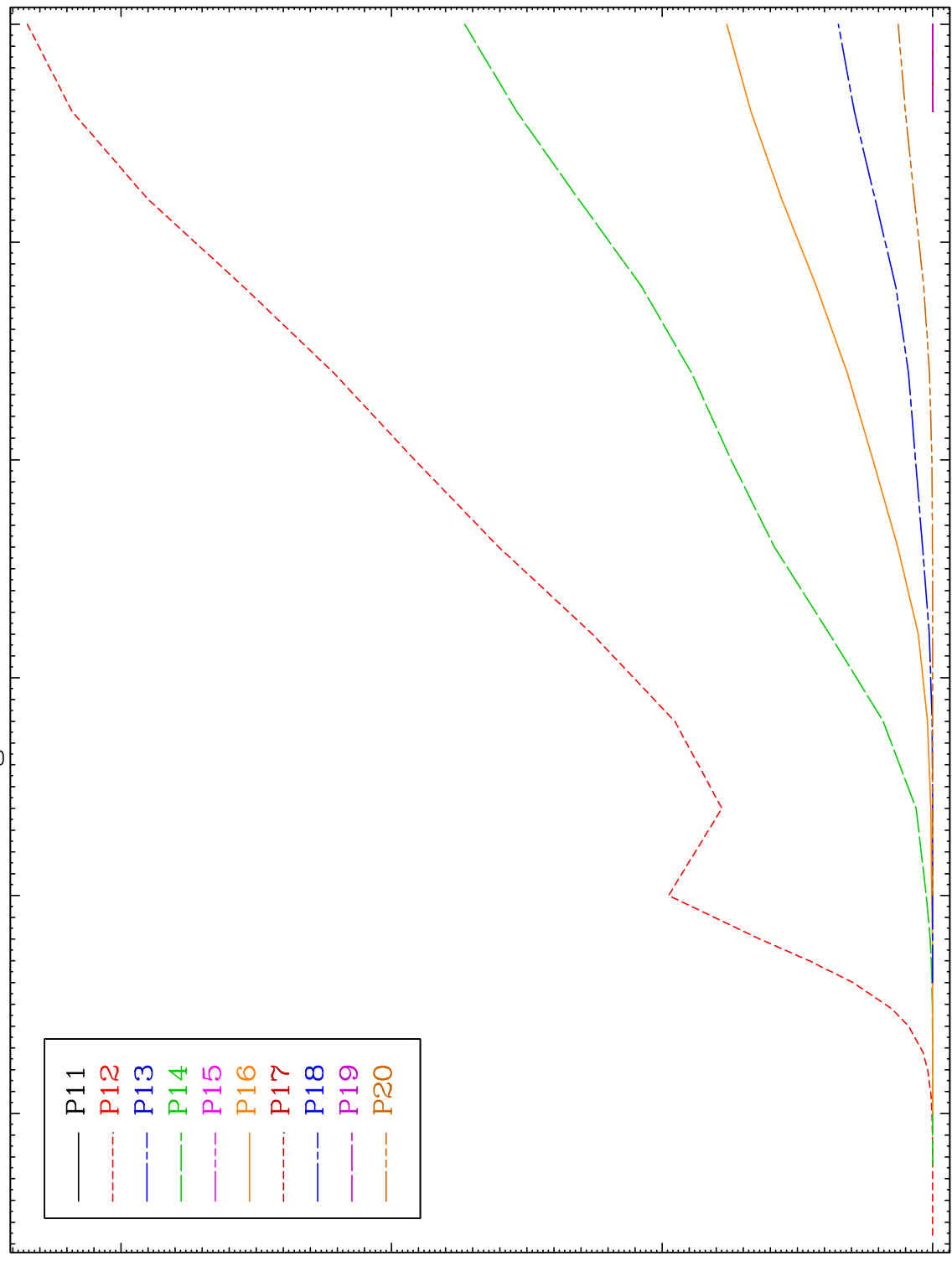
25

30

17

Incident Energy (MeV)

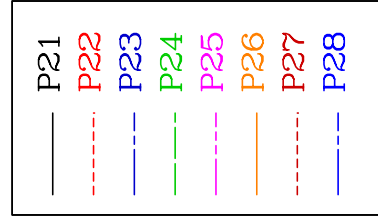
81-Tl-187m



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Elastic
Legendre Coefficients

81-TI-187m



$\times 10^{-6}$
1.5
1.0

Legendre (CM)

0.5

0.0

15

20

25

30

18

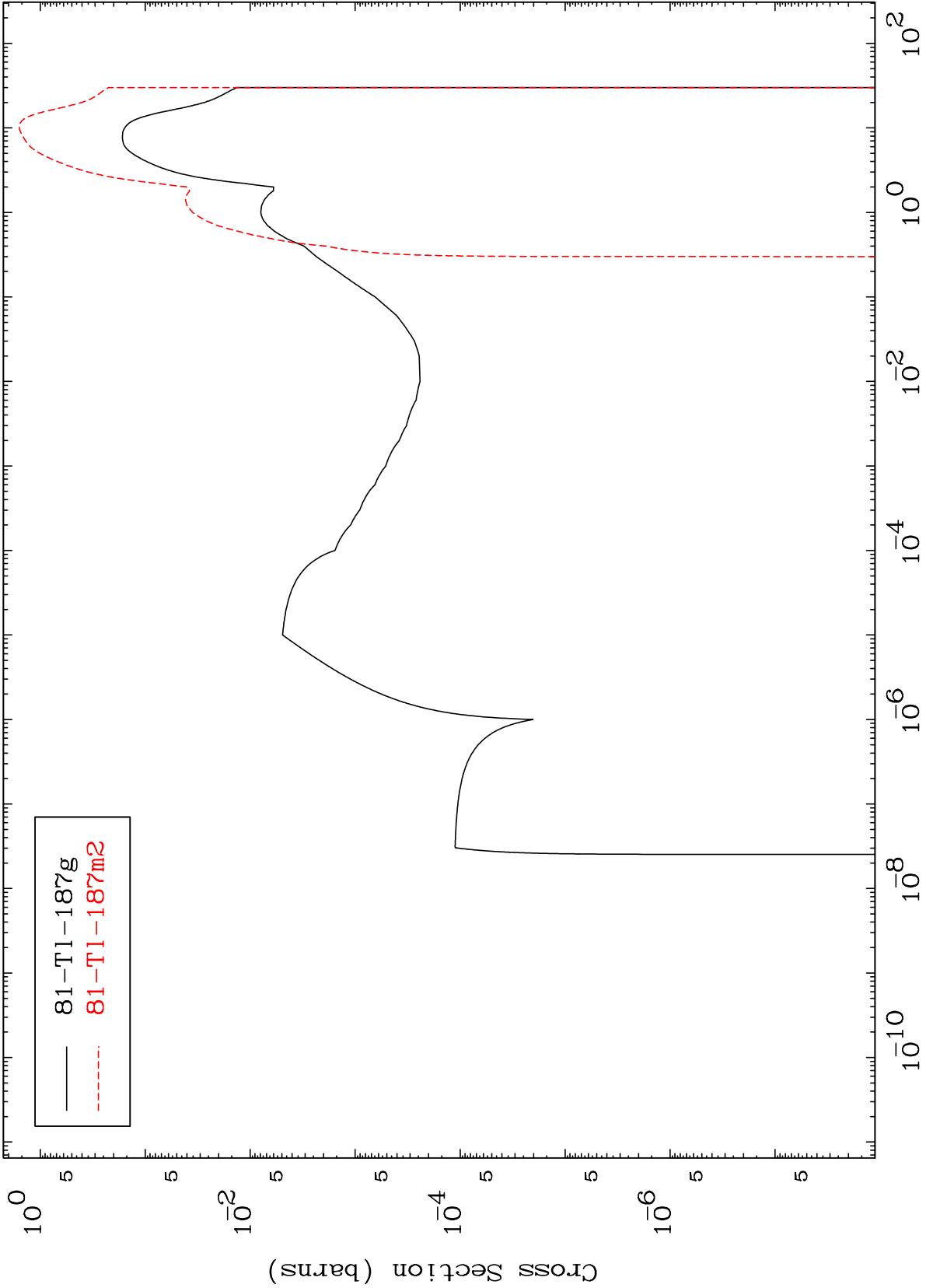
Incident Energy (MeV)

81-TI-187m

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Inelastic
Radionuclide Production Cross Section

81-Tl-187m



81-Tl-187m

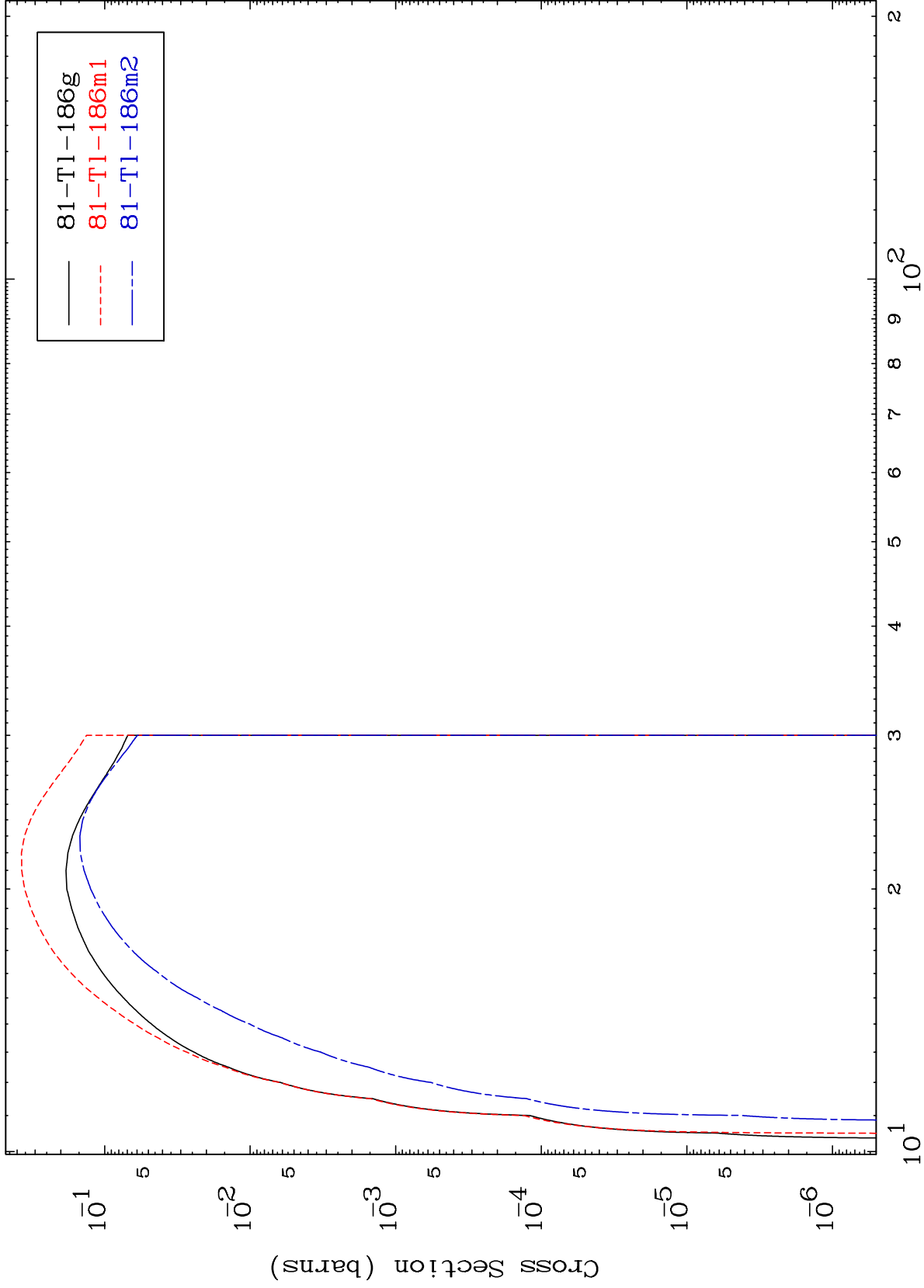
Incident Energy (MeV)

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(n,2n)

81-Tl-187m

Radionuclide Production Cross Section



Incident Energy (MeV)

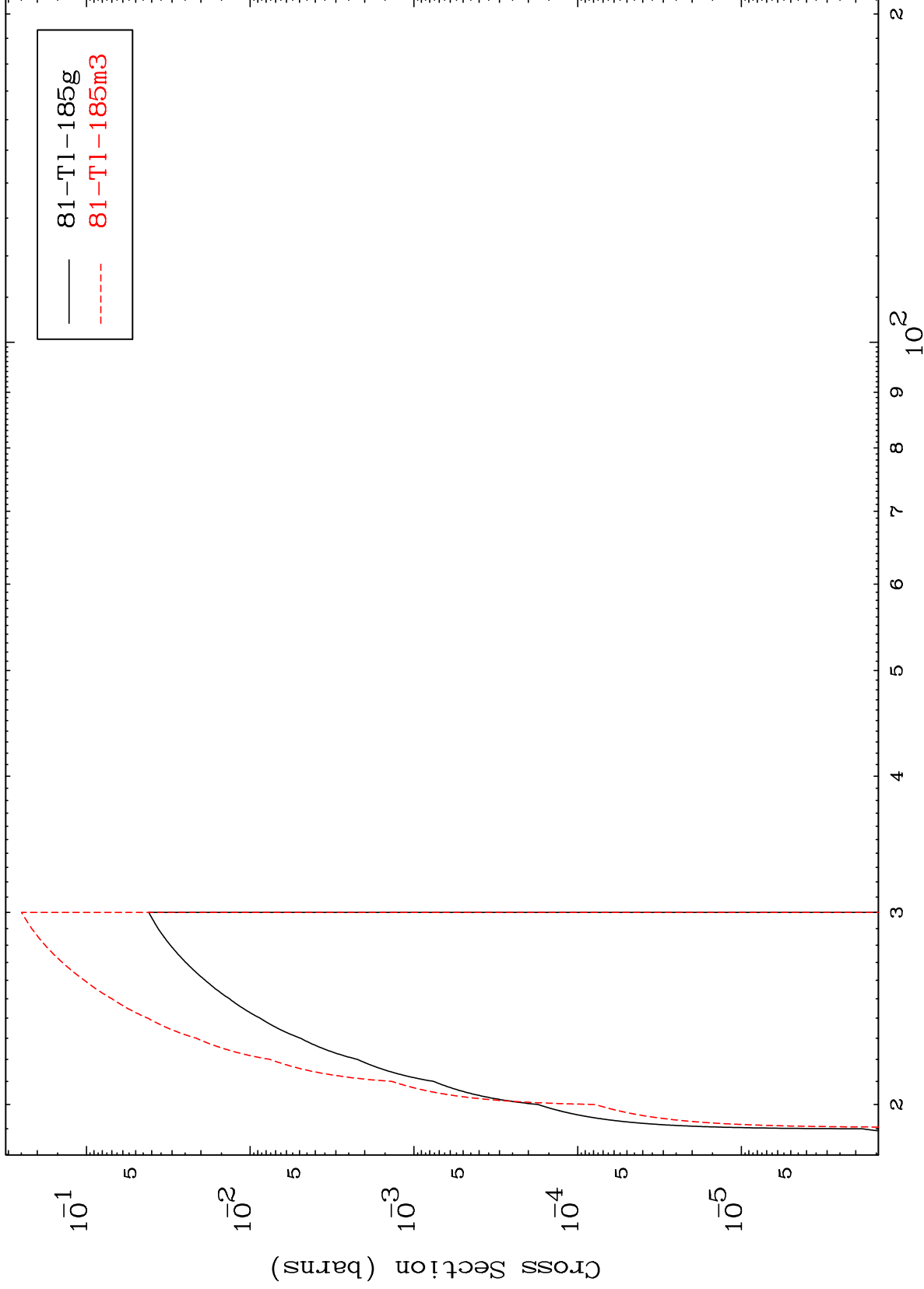
81-Tl-187m

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(n,3n)

81-Tl-187m

Radionuclide Production Cross Section



21

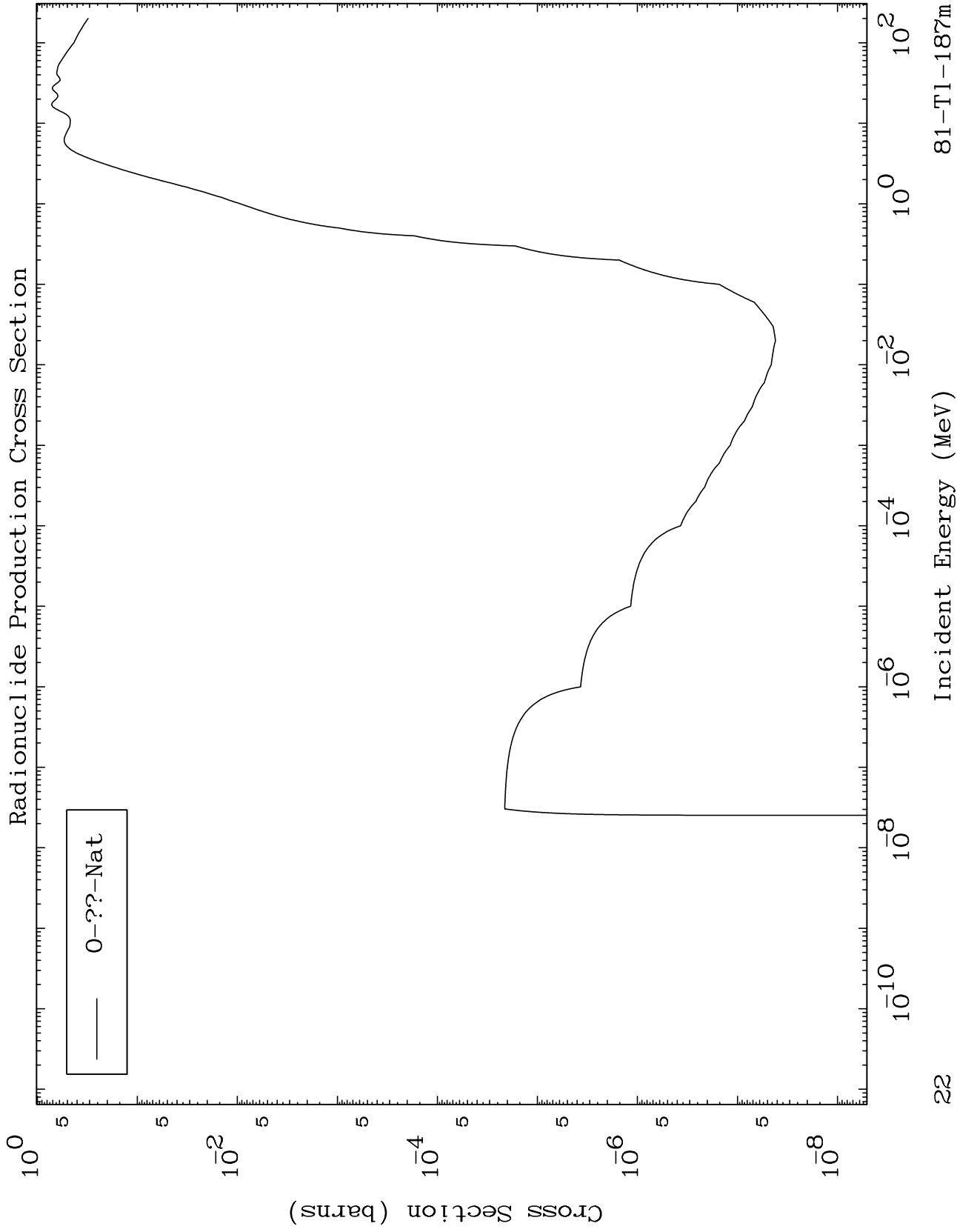
Incident Energy (MeV)

81-Tl-187m

MAT 8078

Fission

81-Tl-187m

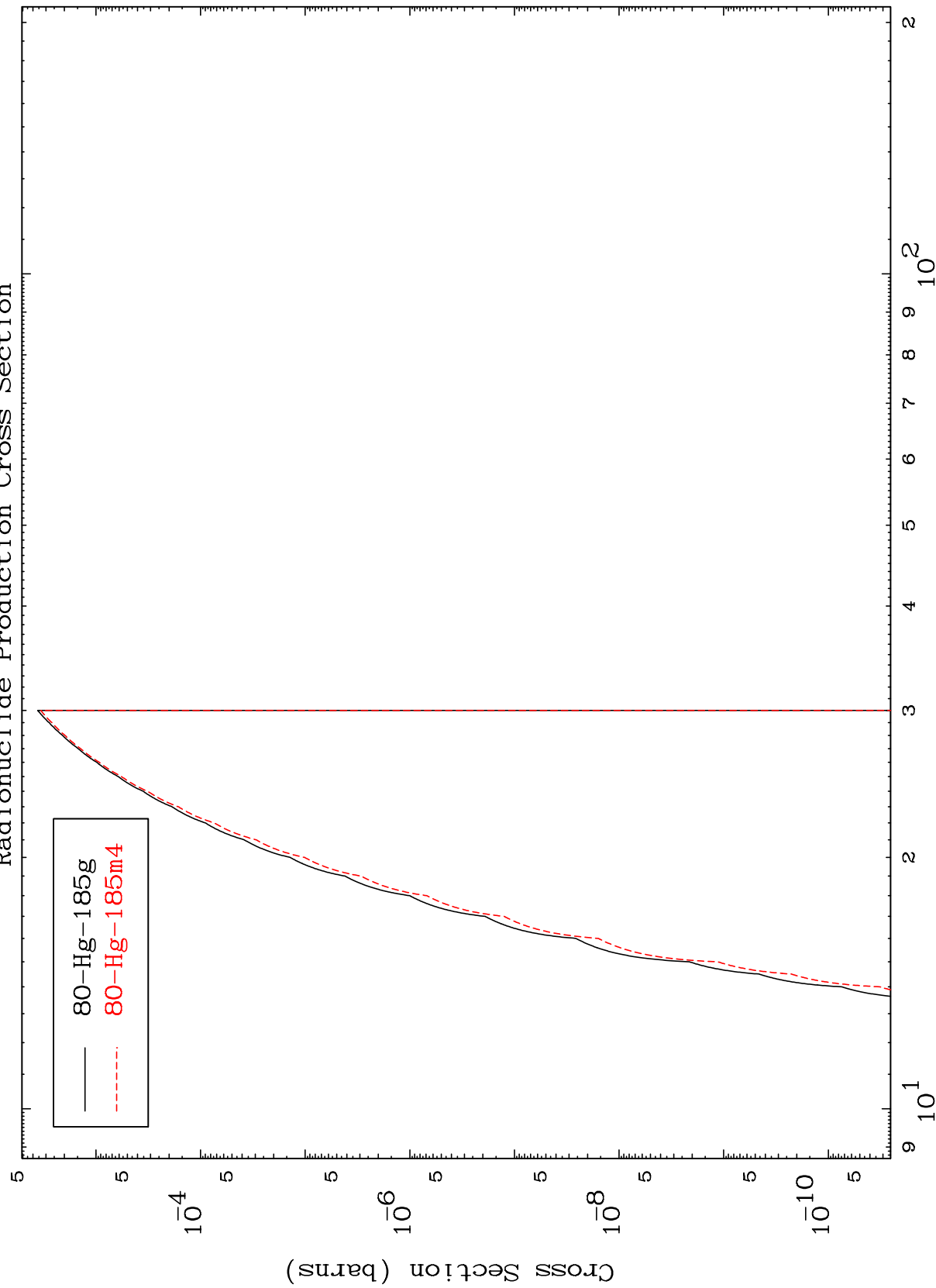


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(n,n') d

81-Tl-187m

Radionuclide Production Cross Section



Incident Energy (MeV)

81-Tl-187m

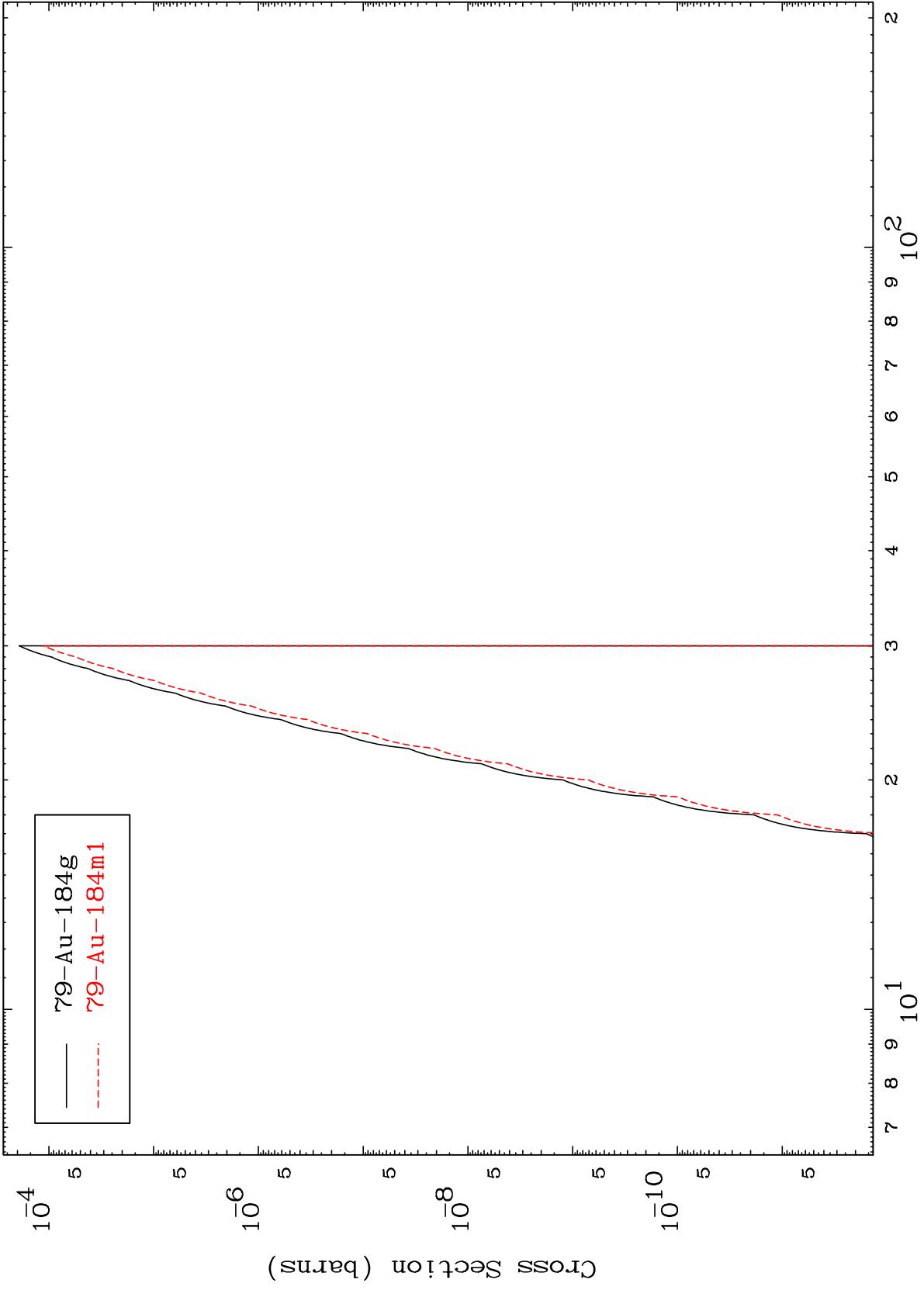
23

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(n,n') He-3

81-Tl-187m

Radionuclide Production Cross Section



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

24

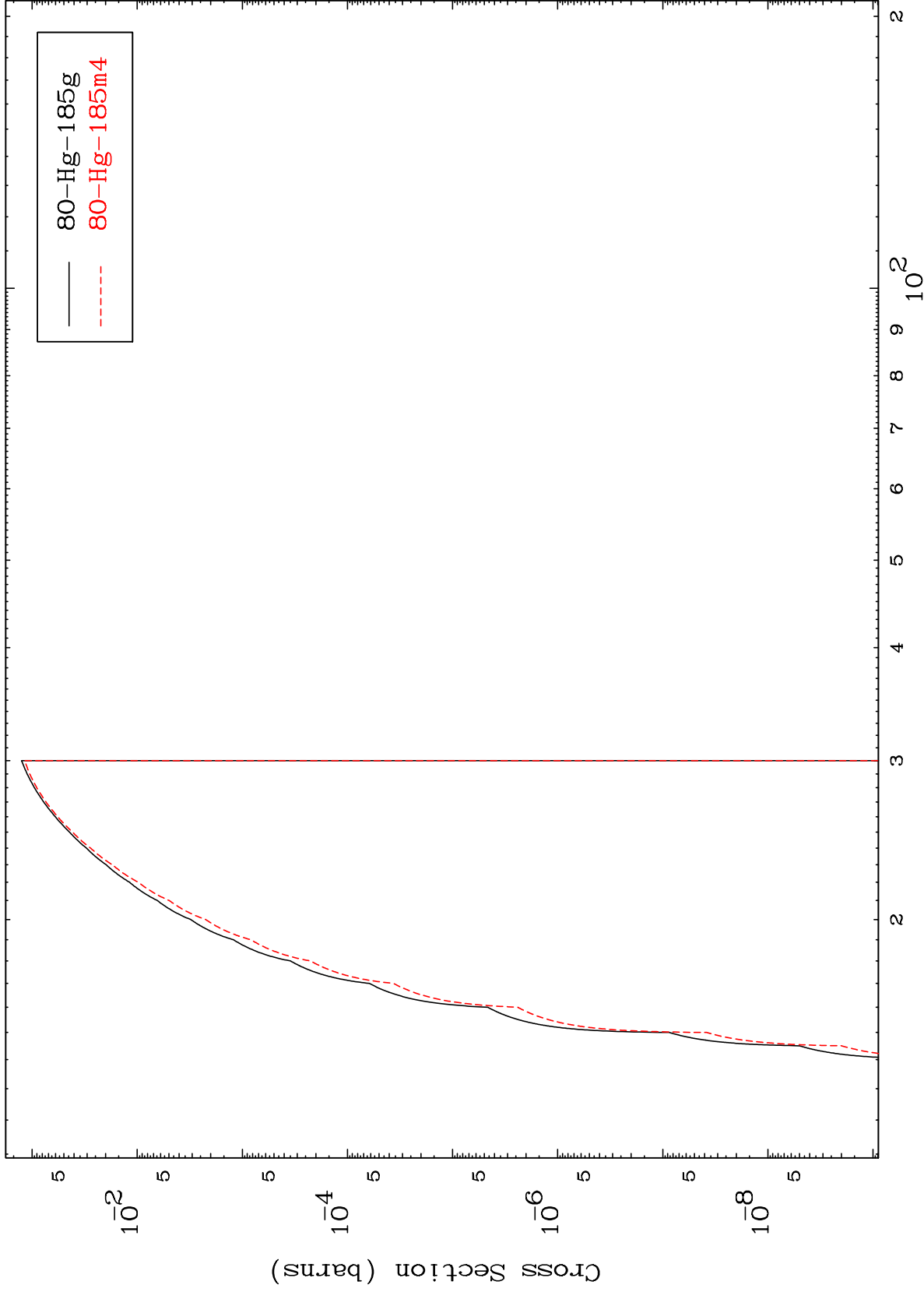
Incident Energy (MeV)

81-Tl-187m

MAT 8078

81-Tl-187m

(n,2n) p
Radionuclide Production Cross Section

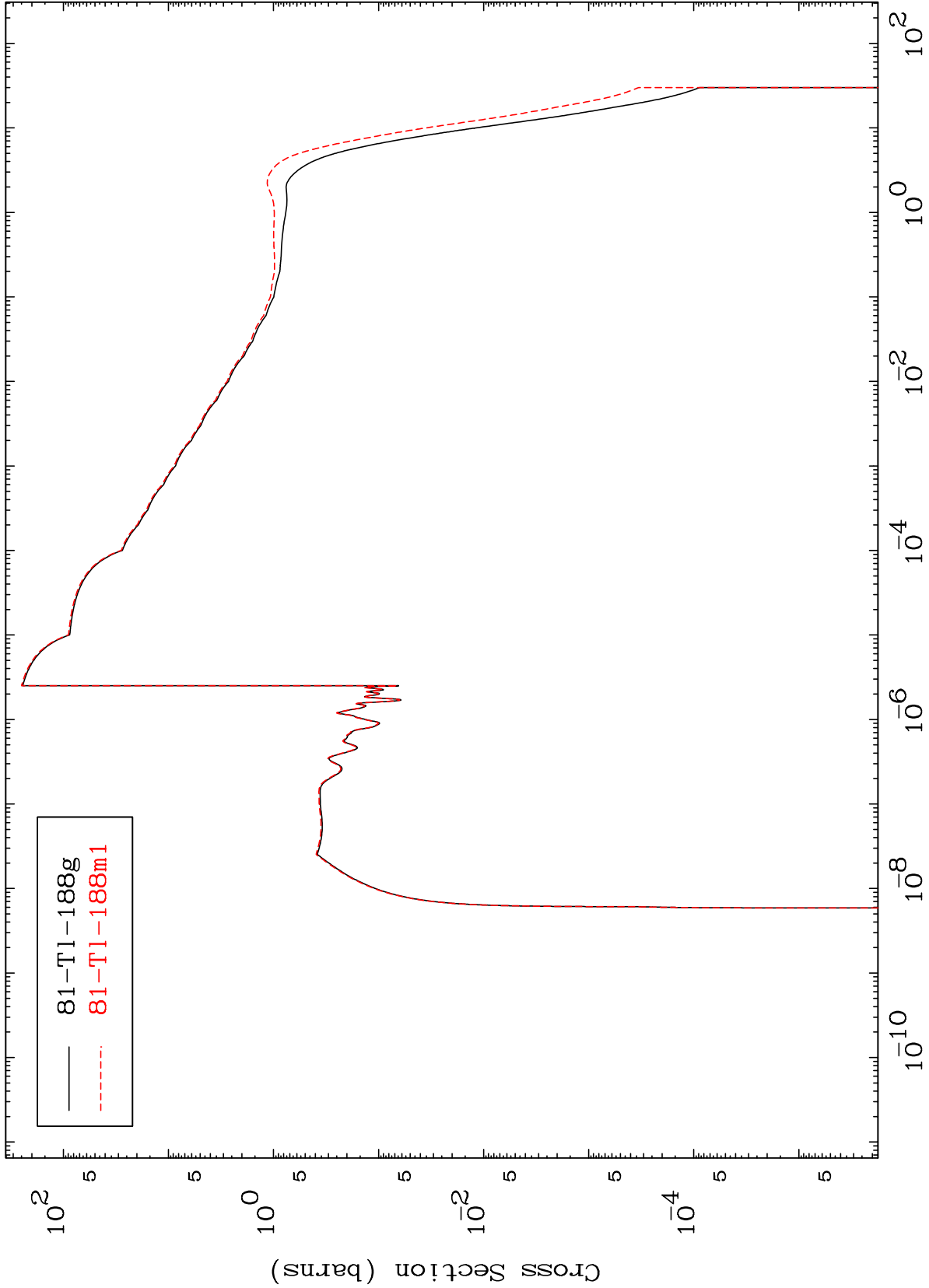


25

Incident Energy (MeV)

81-Tl-187m

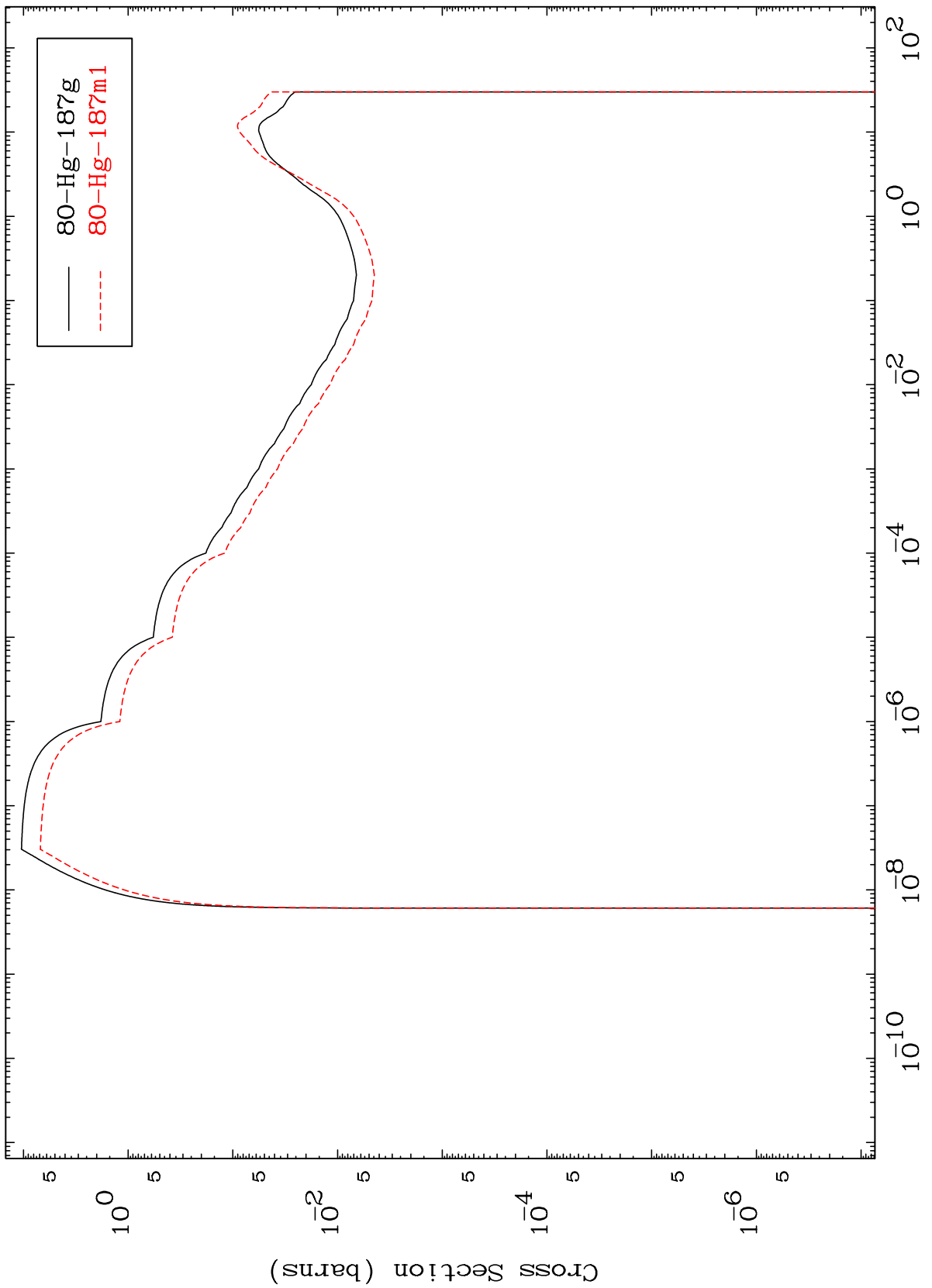
(n, γ)
Radionuclide Production Cross Section



MAT 8078

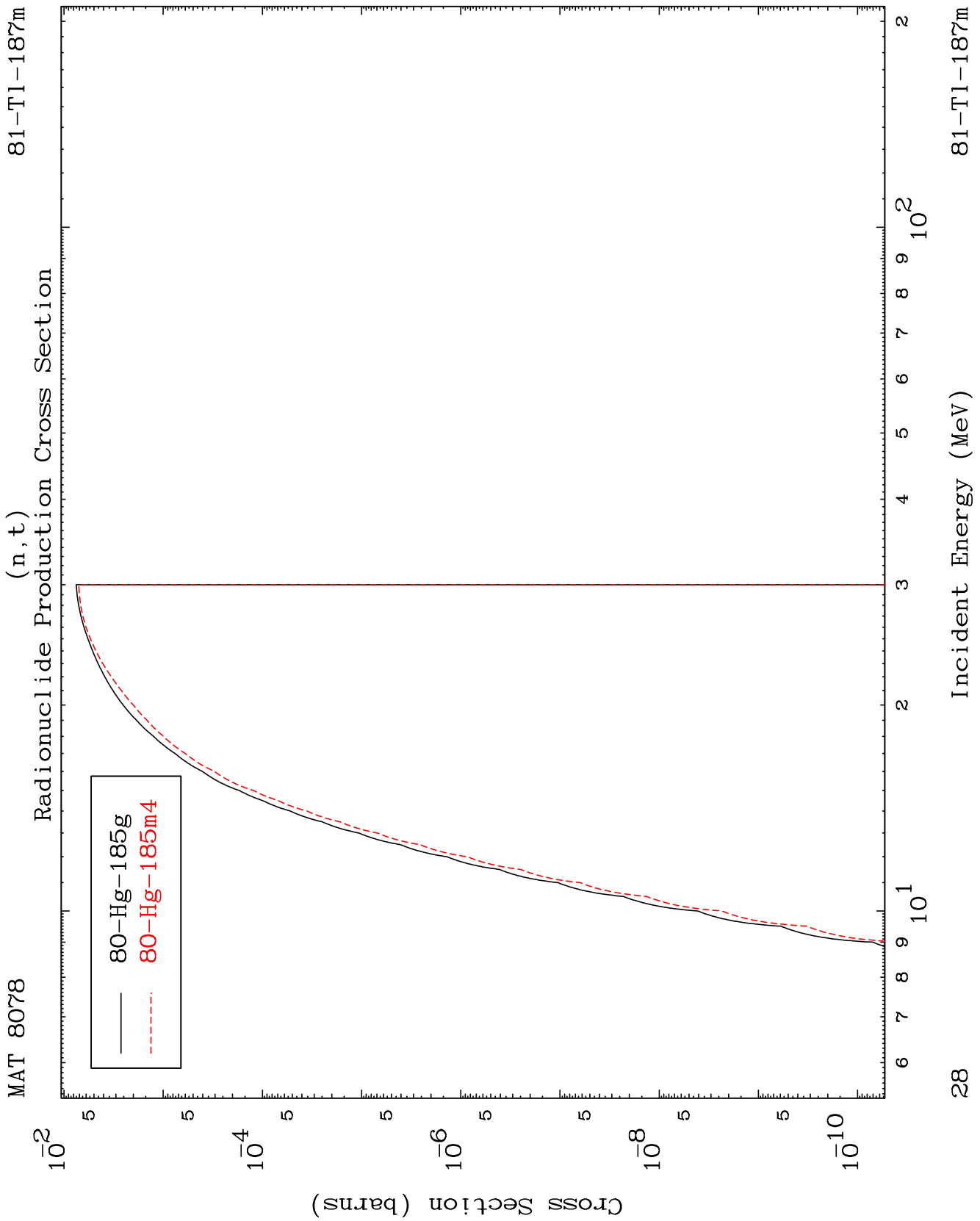
81-Tl-187m

(n,p)
Radionuclide Production Cross Section



27

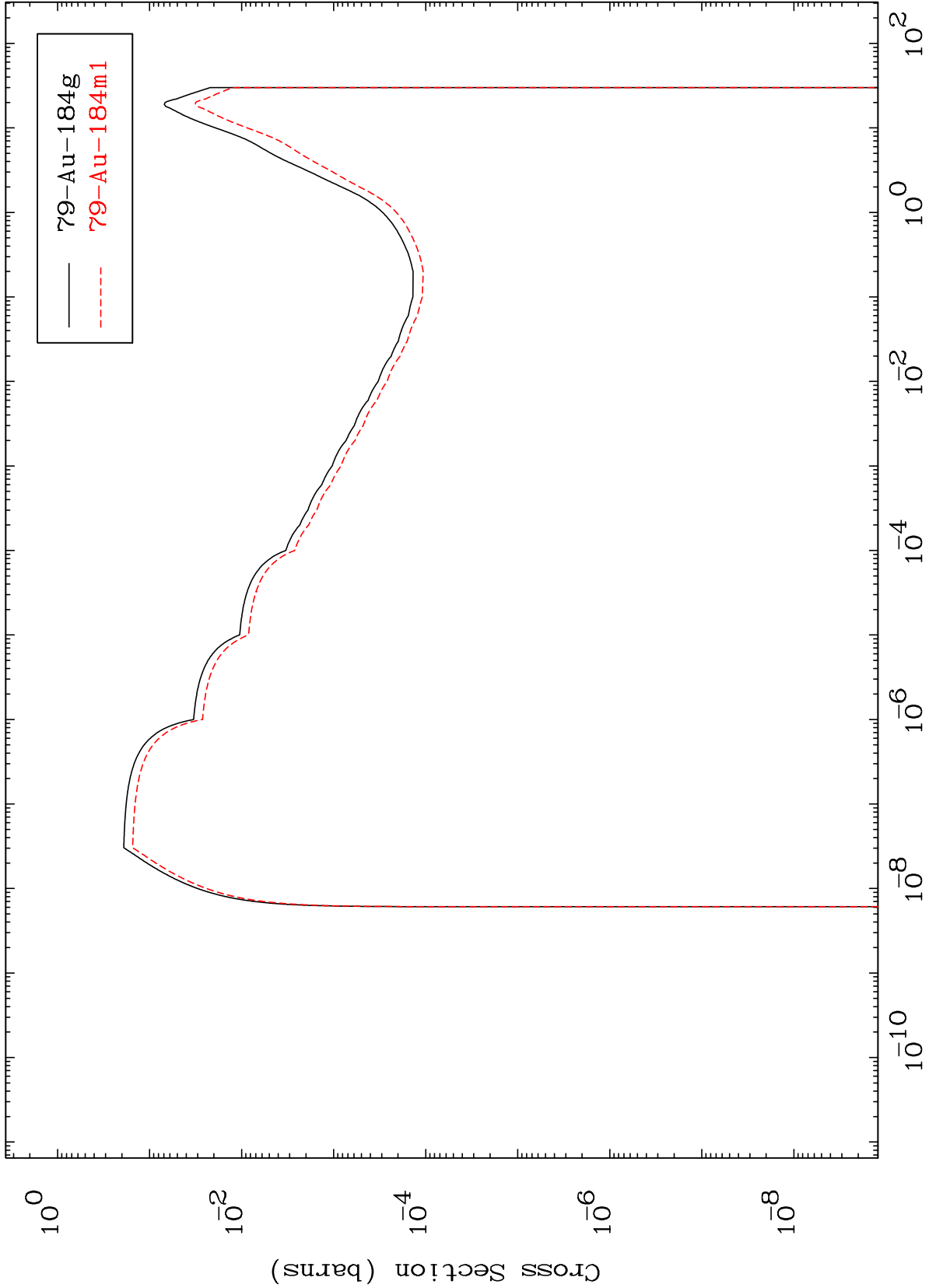
81-Tl-187m



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81-Tl-187m

(n, α)
Radionuclide Production Cross Section



29

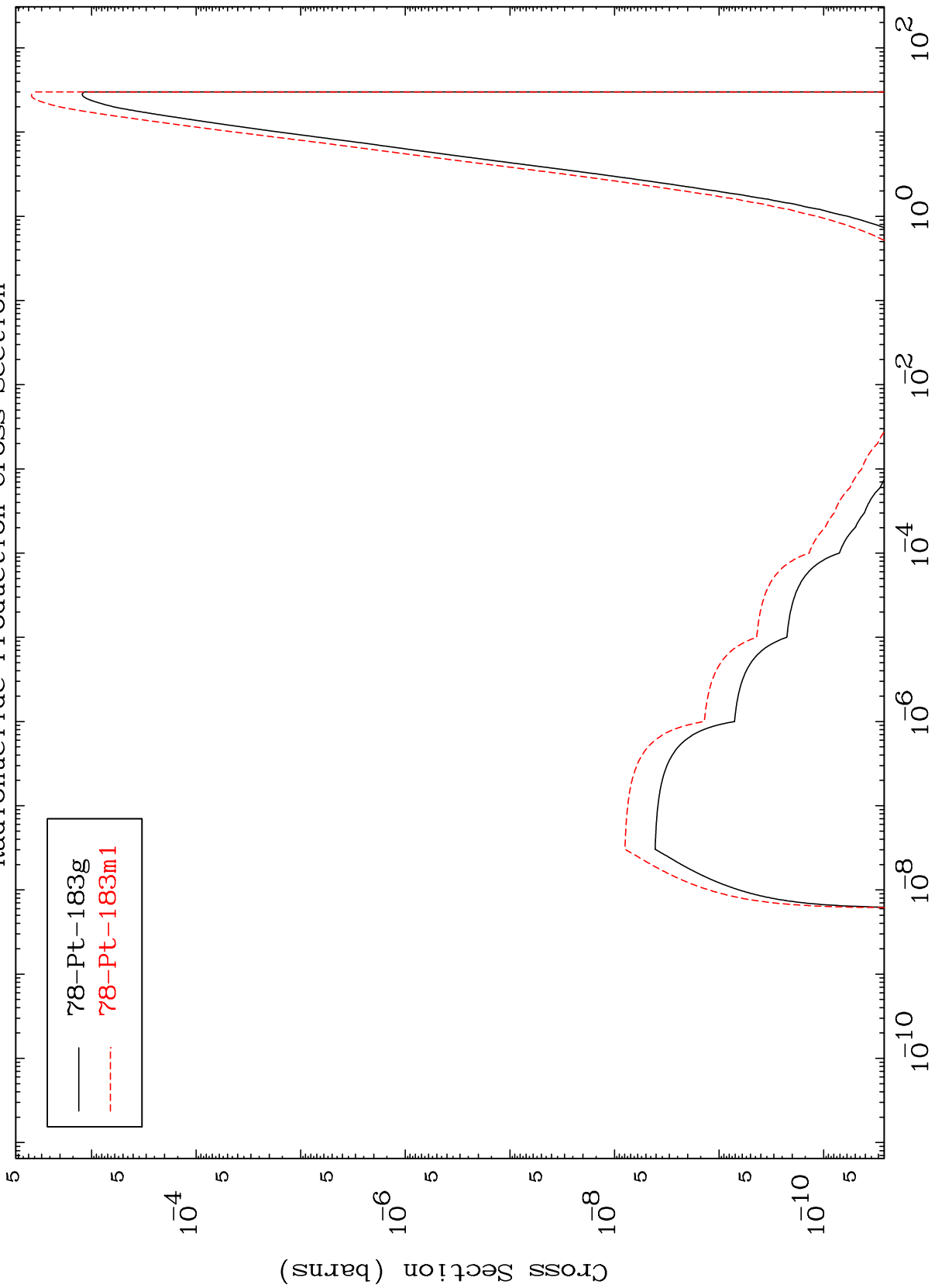
81-Tl-187m

MAT 8078

(n,p) α

81-Tl-187m

Radionuclide Production Cross Section

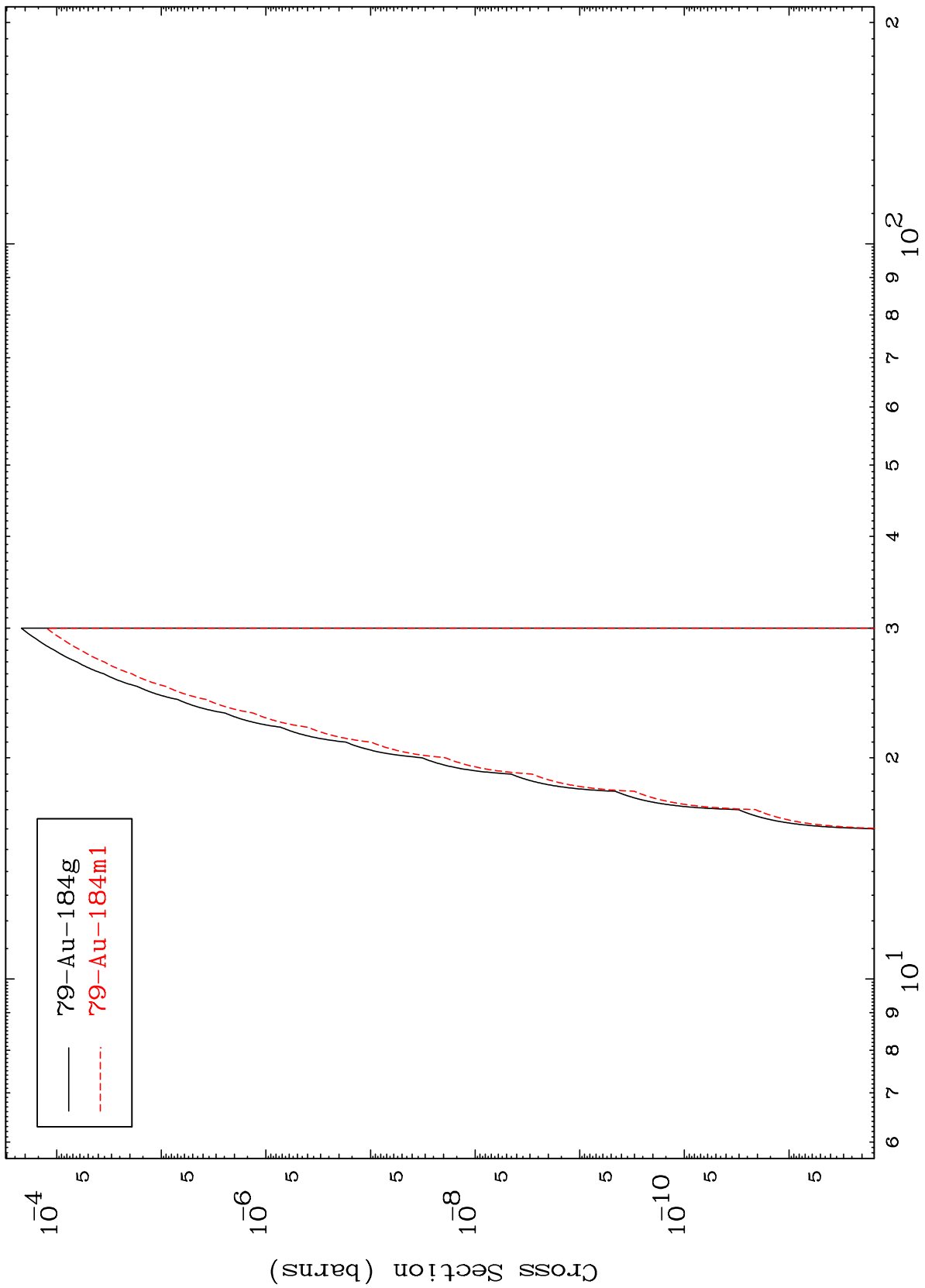


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(n,p) t

81-Tl-187m

Radionuclide Production Cross Section



31

Incident Energy (MeV)

81-Tl-187m