

Program EVALPLOT
(Version 2015-2)

by

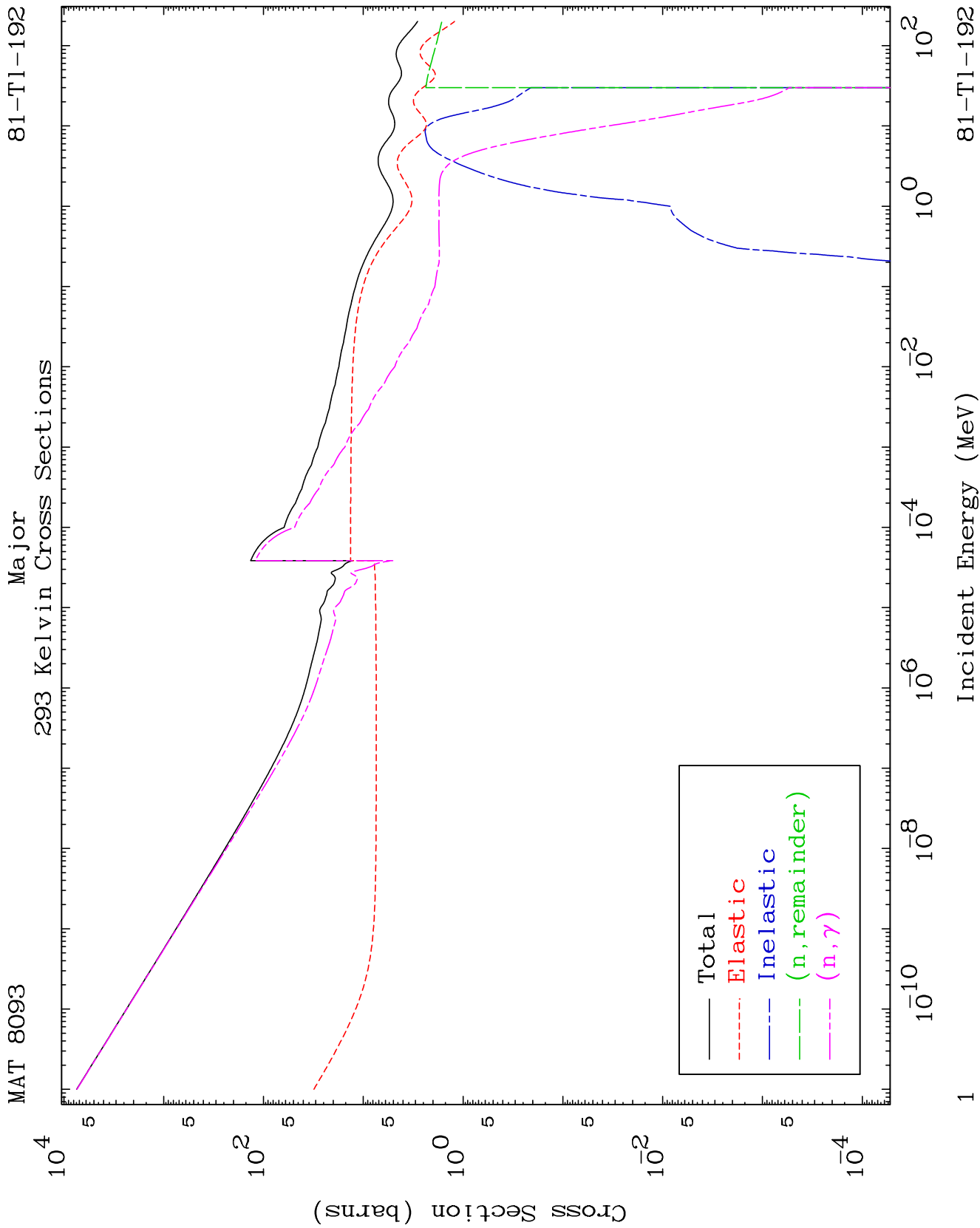
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(Present Contact Information)

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Web:home.comcast.net/~redcullen1

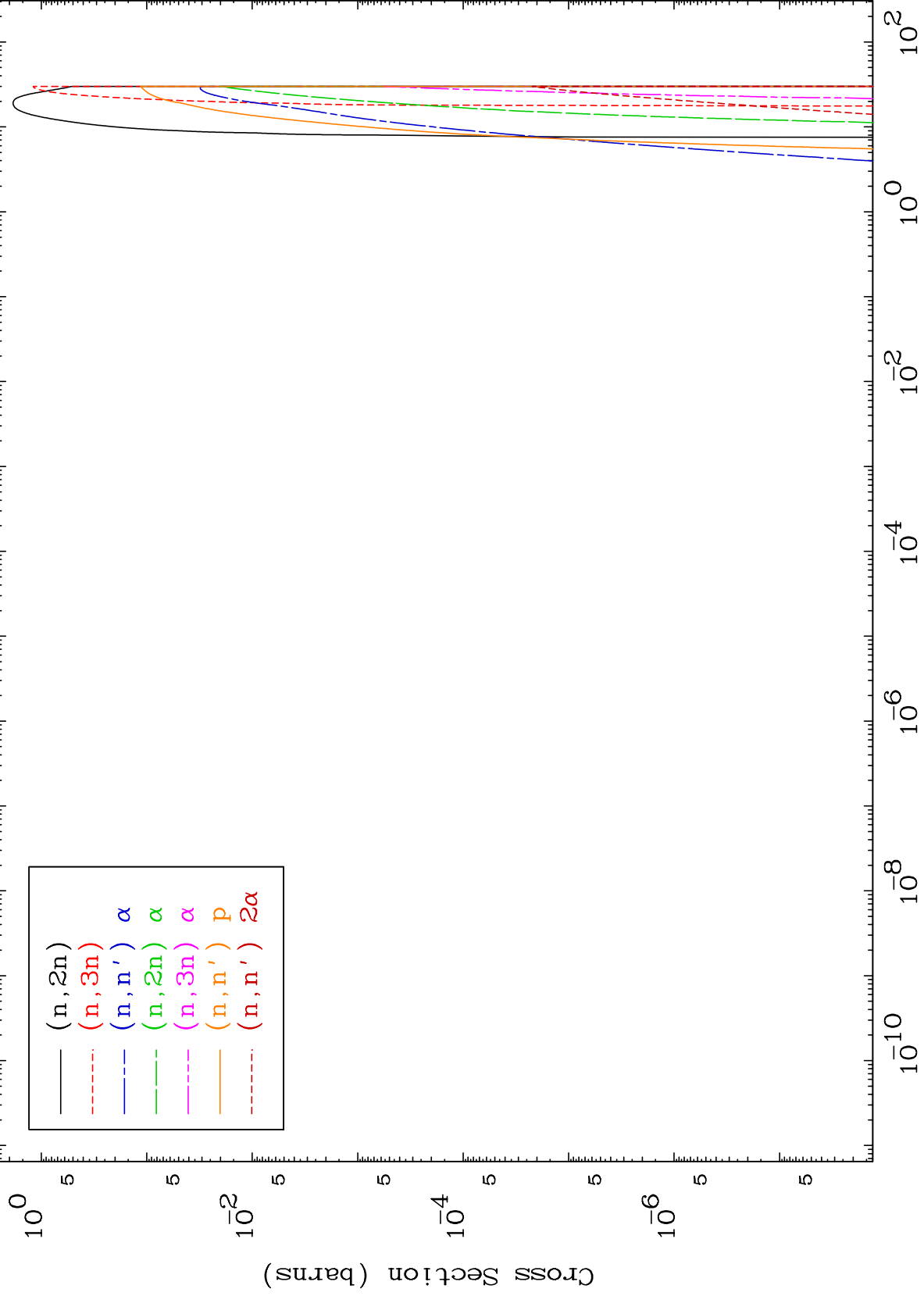
Press Mouse Button to Start



MAT 8093

Neutron Production
293 Kelvin Cross Sections

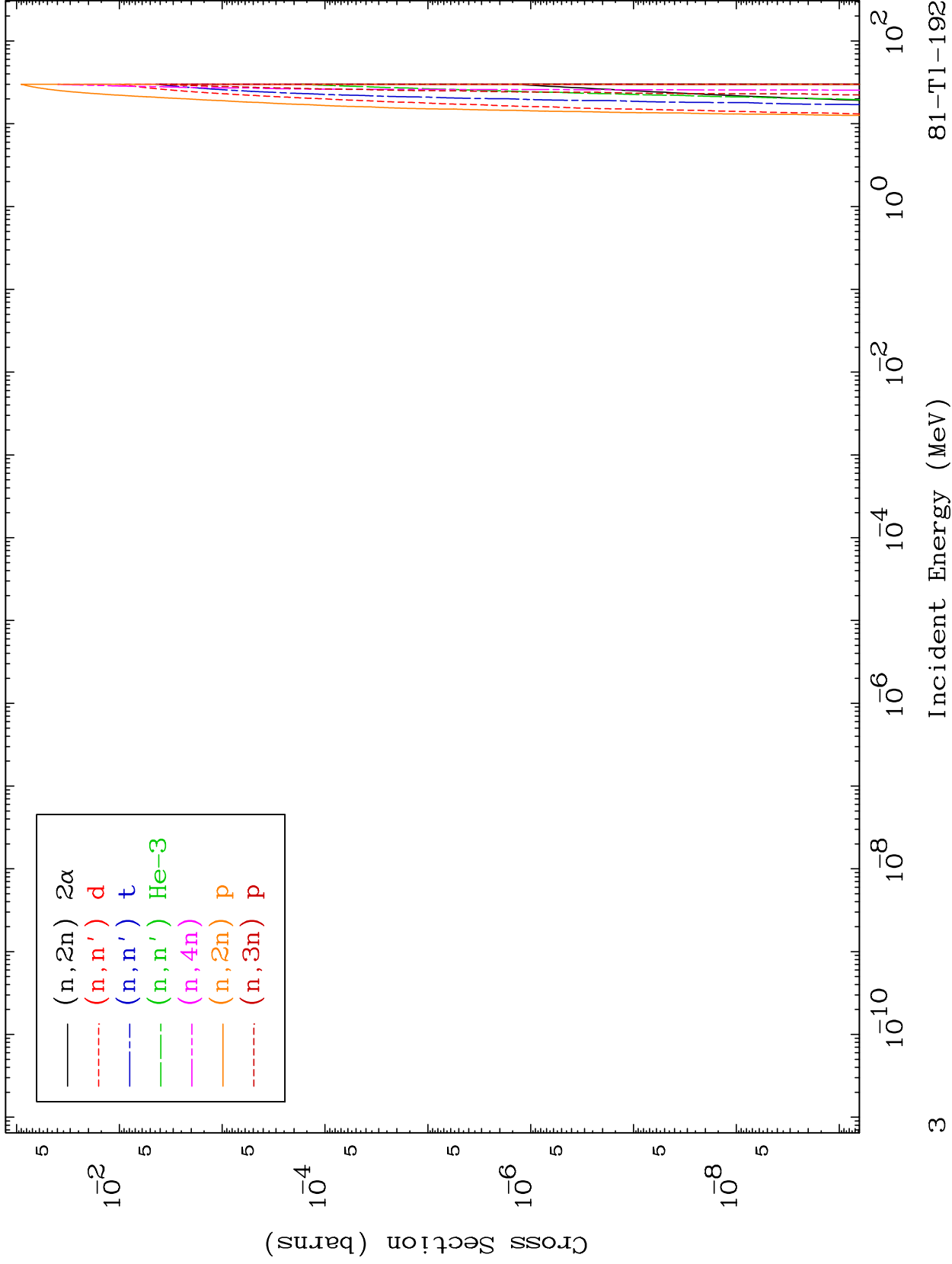
81-Tl-192



MAT 8093

Neutron Production
293 Kelvin Cross Sections

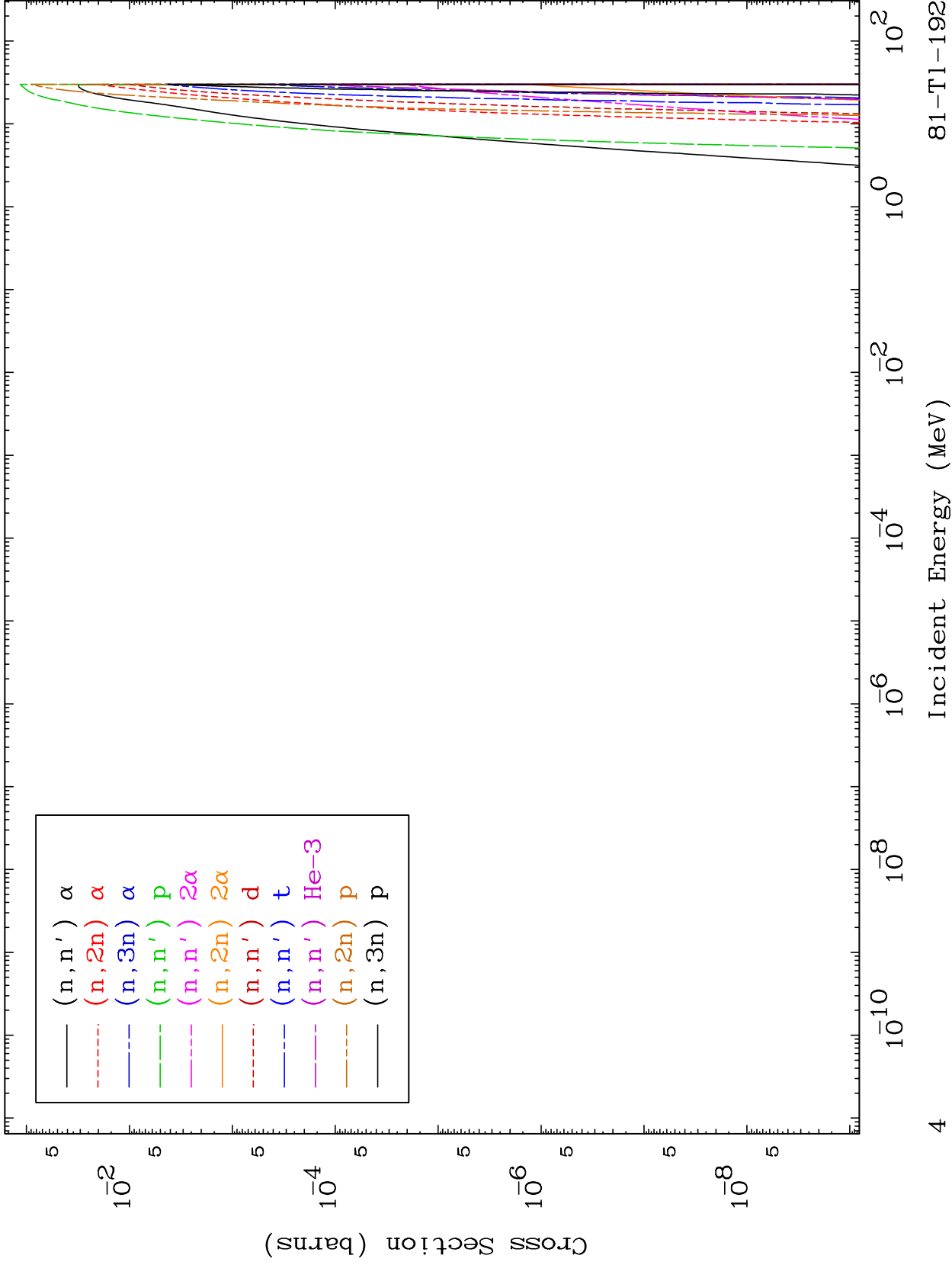
81-Tl-192



MAT 8093

Charged Particle
293 Kelvin Cross Sections

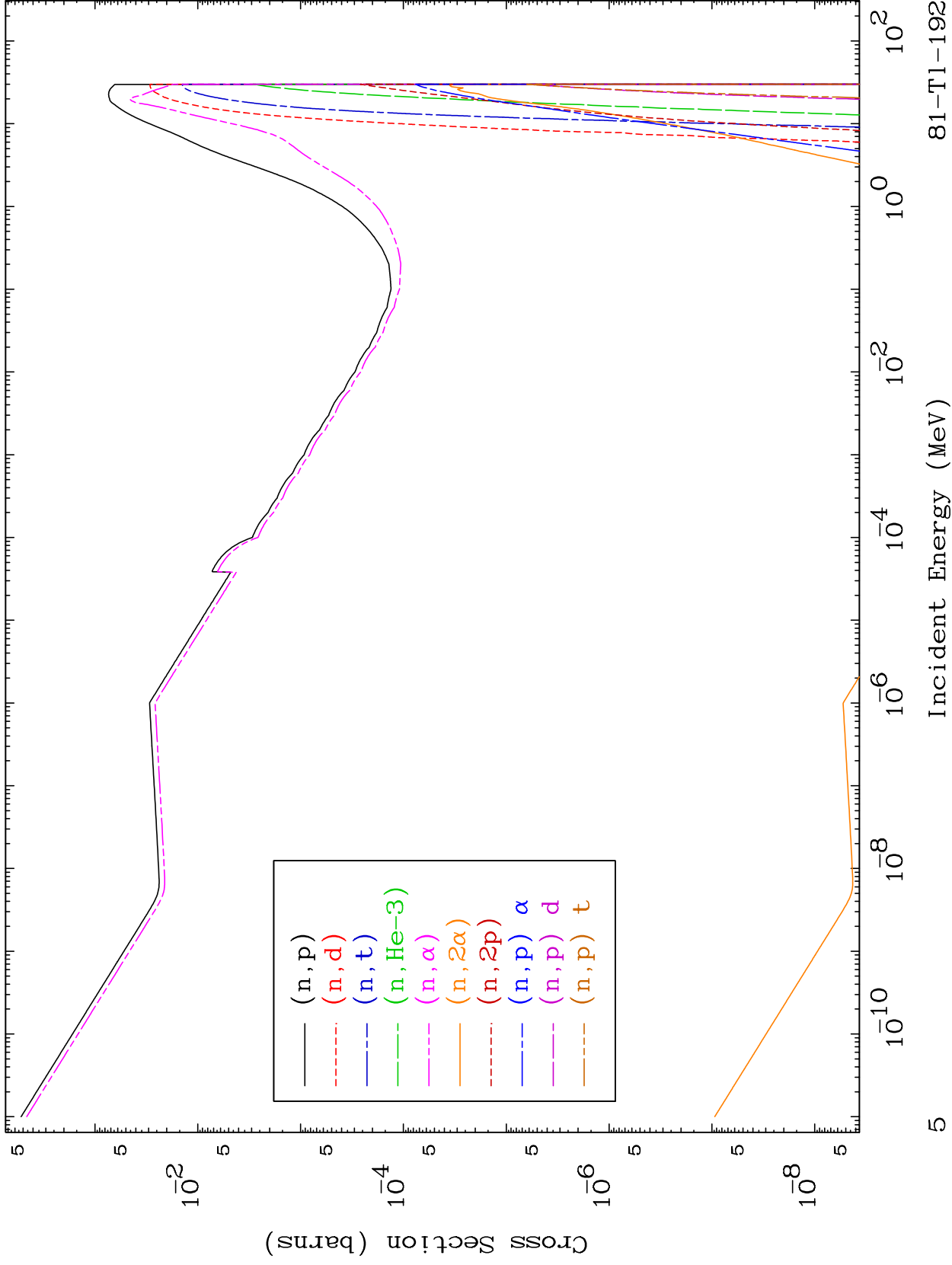
81-Tl-192



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Charged Particle
293 Kelvin Cross Sections

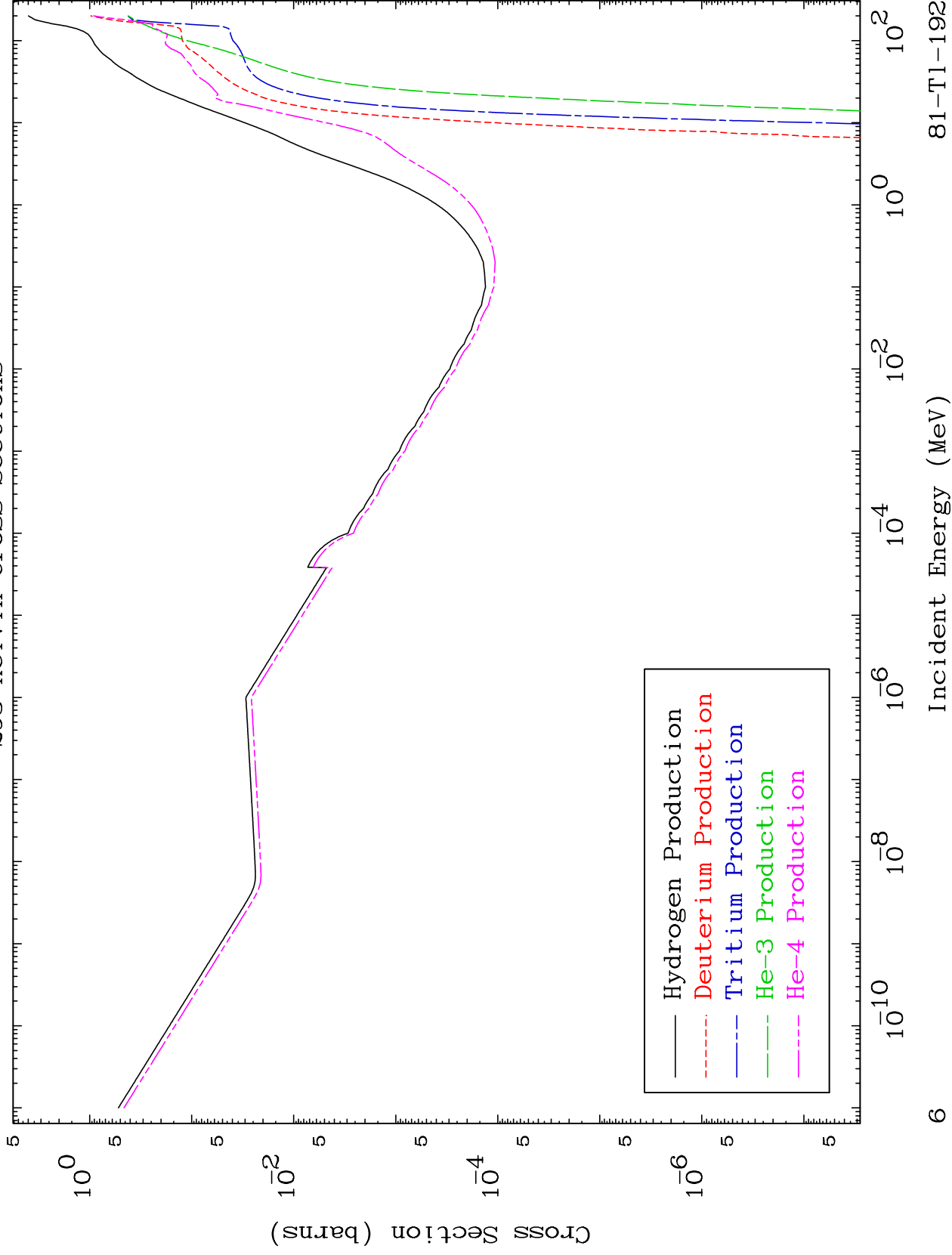
81-Tl-192



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Particle Production
293 Kelvin Cross Sections

81-T1-192

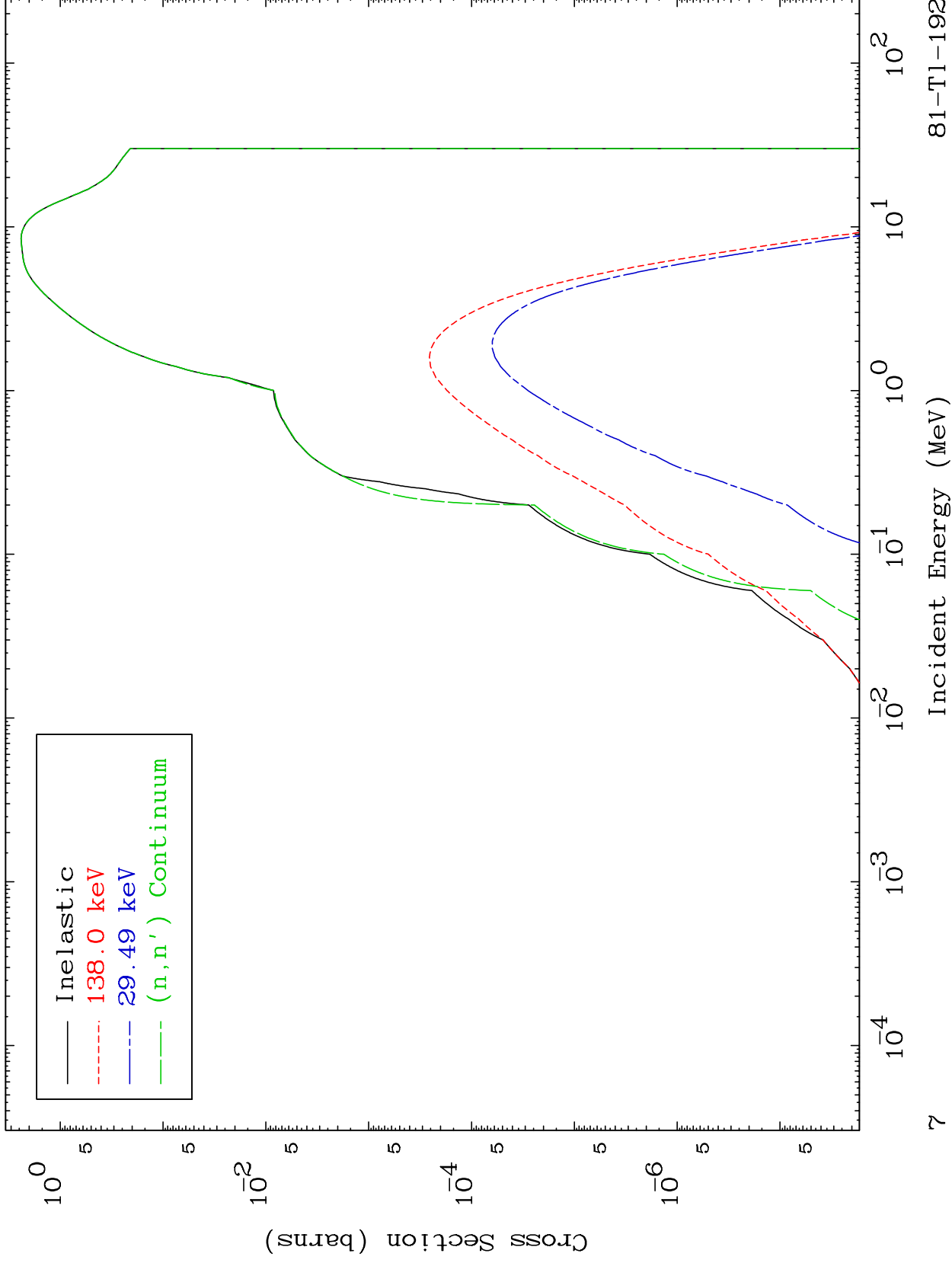


MAT 8093

293 Kelvin Cross Sections

(n,n') Level

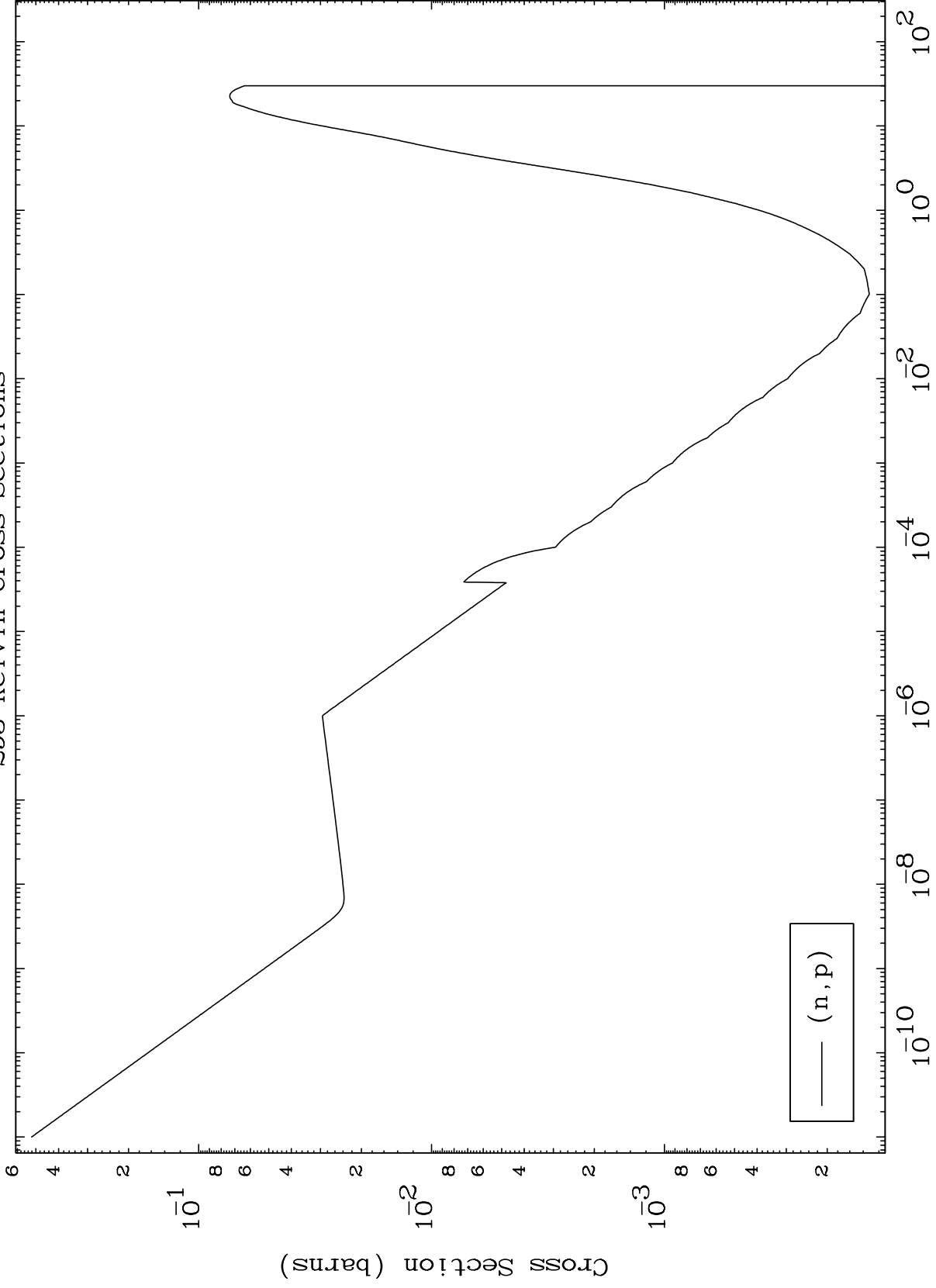
81-Tl-192



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(n,p) Levels
293 Kelvin Cross Sections

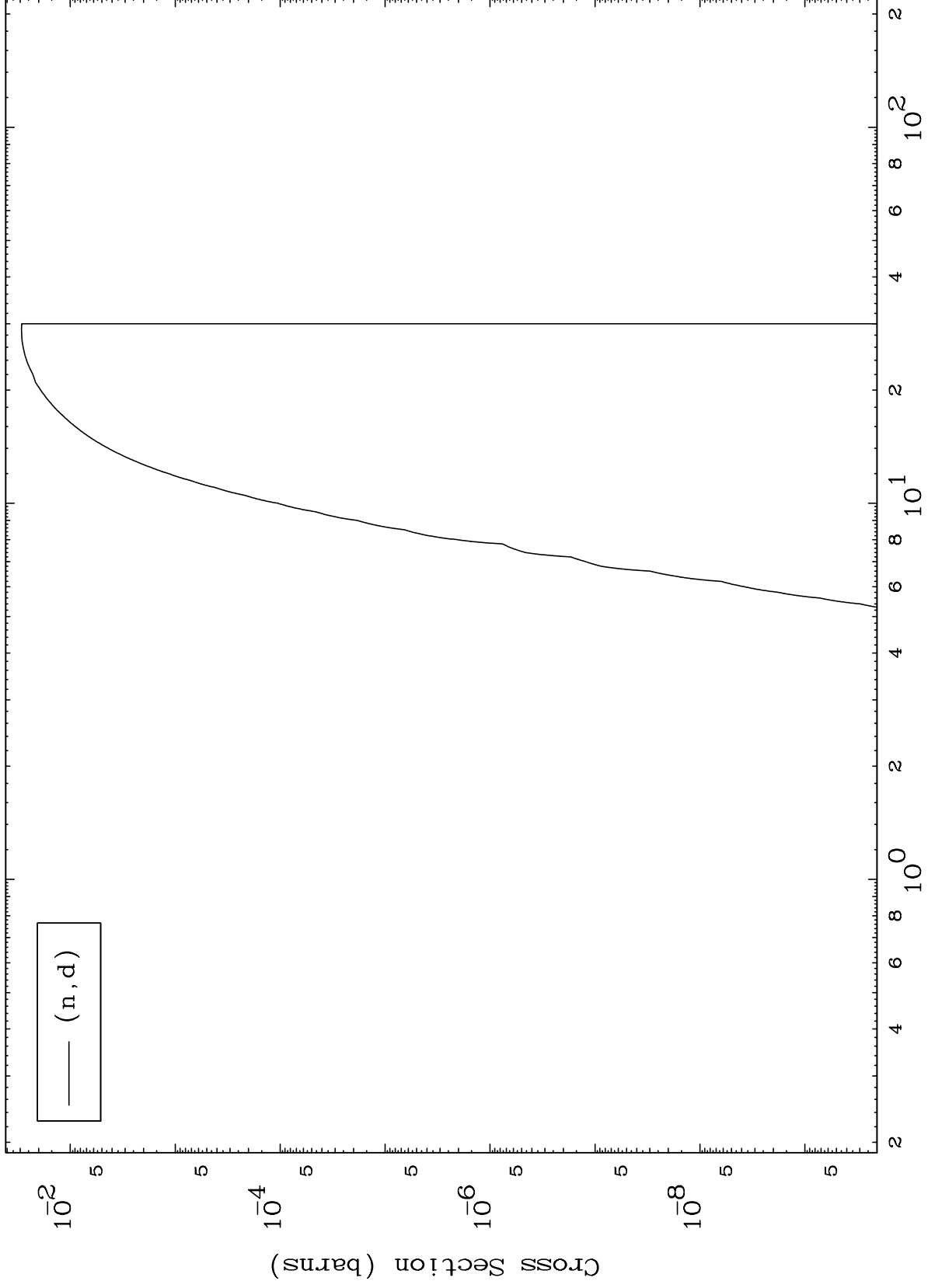
81-Tl-192



MAT 8093

293 Kelvin Cross Sections
(n,d) Levels

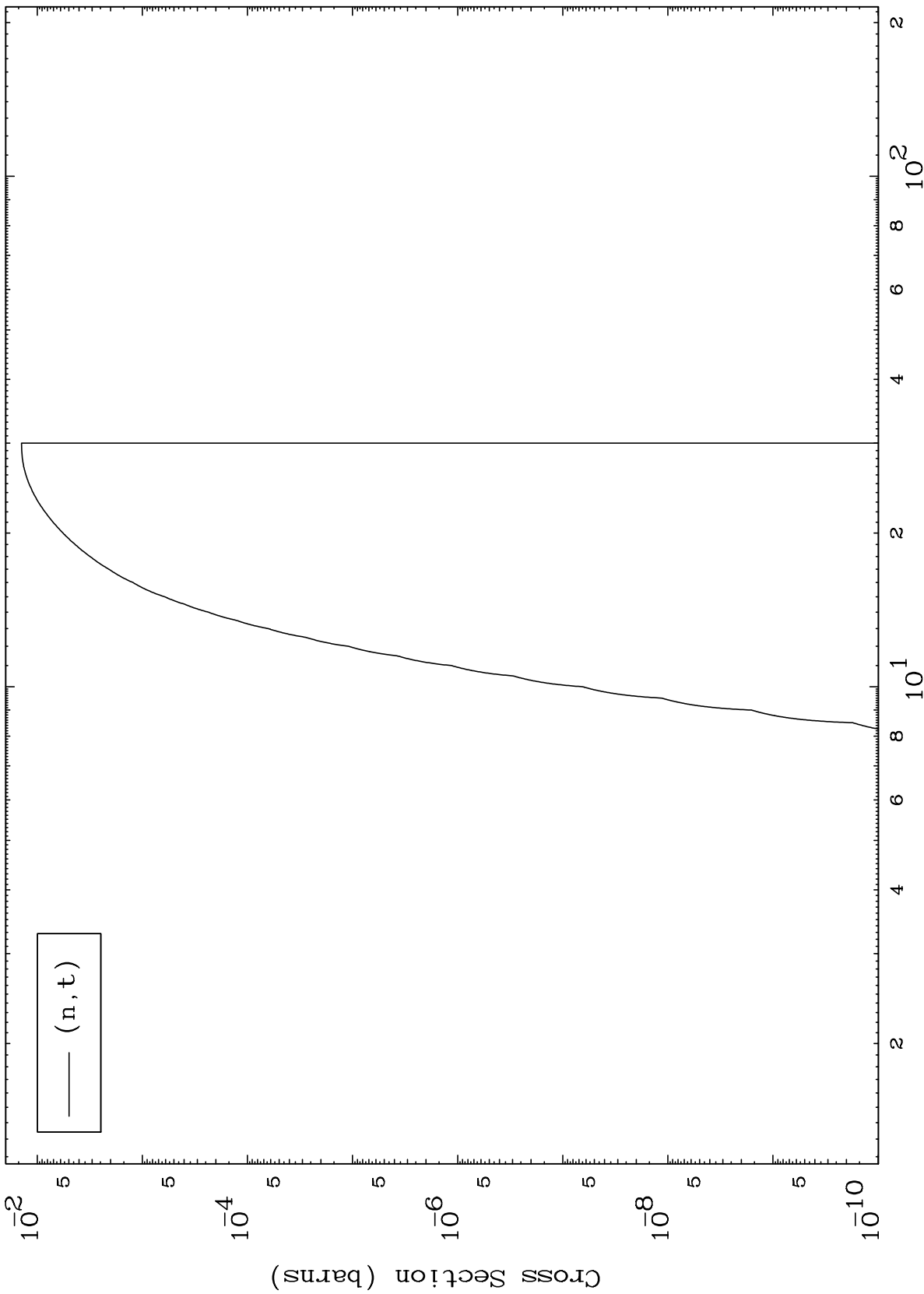
81-Tl-192



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(n,t) Levels
293 Kelvin Cross Sections

81-Tl-192



10

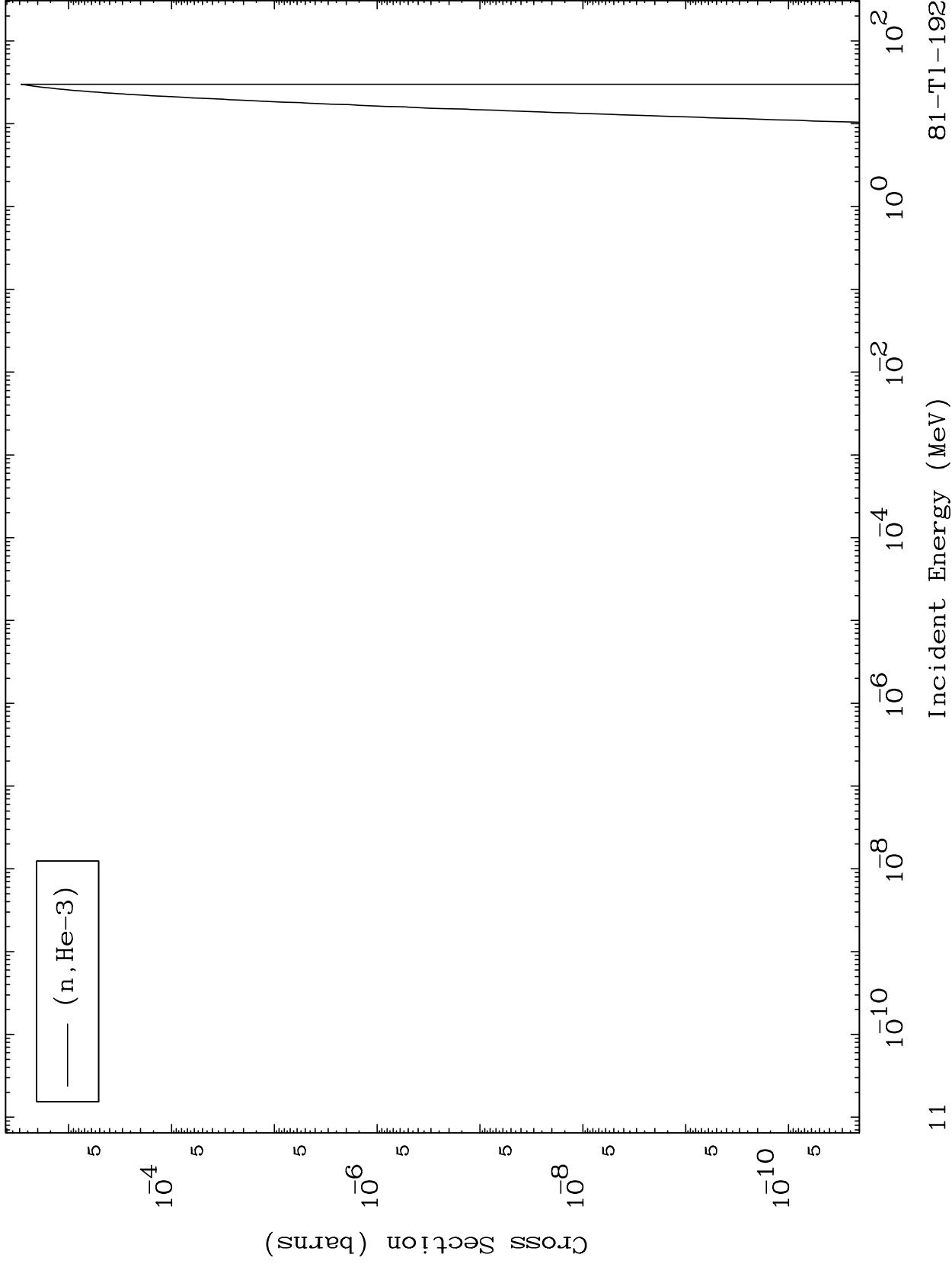
Incident Energy (MeV)

81-Tl-192

MAT 8093

(n,He3) Levels
293 Kelvin Cross Sections

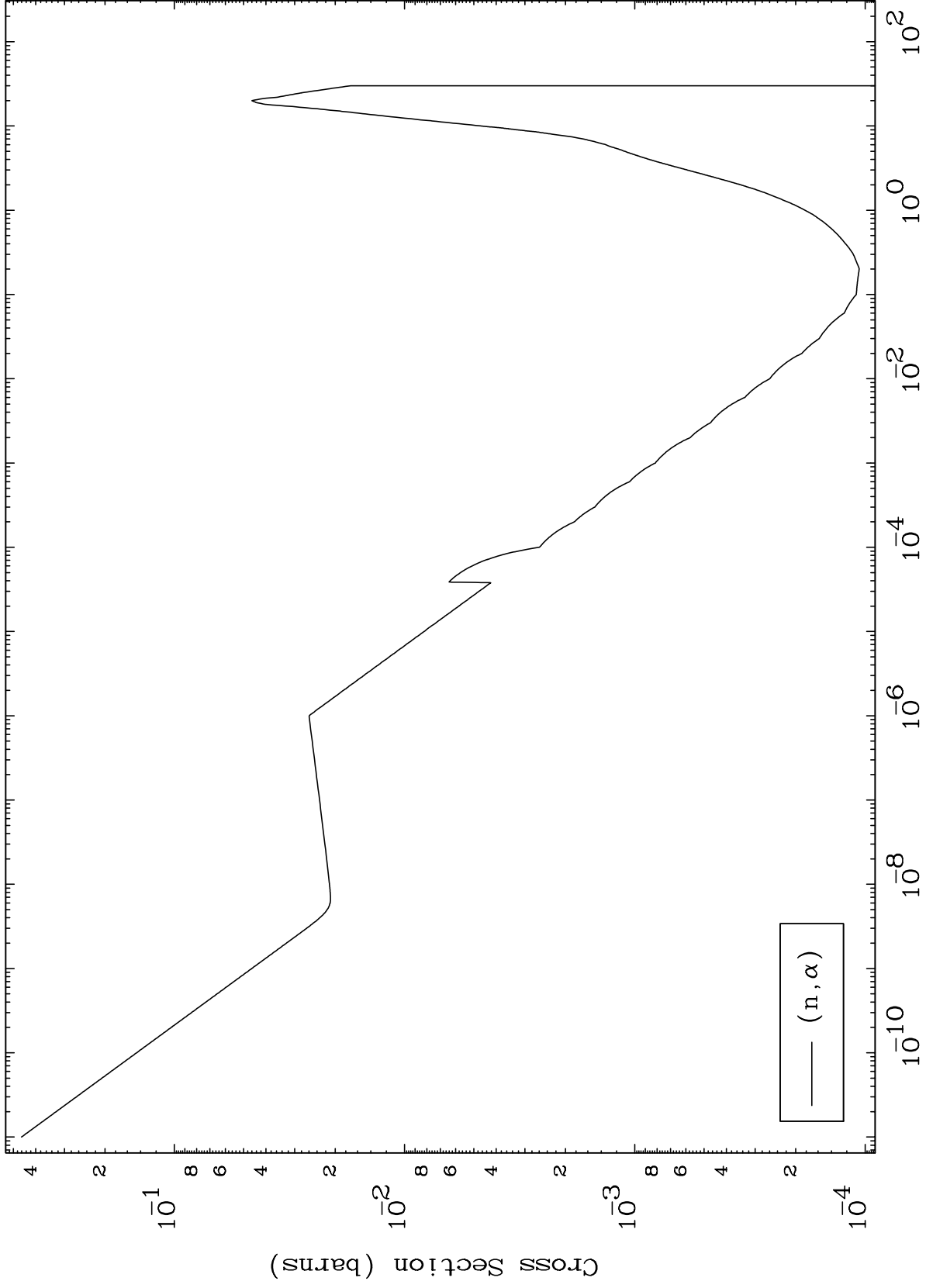
81-T1-192



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(n, α) Levels
293 Kelvin Cross Sections

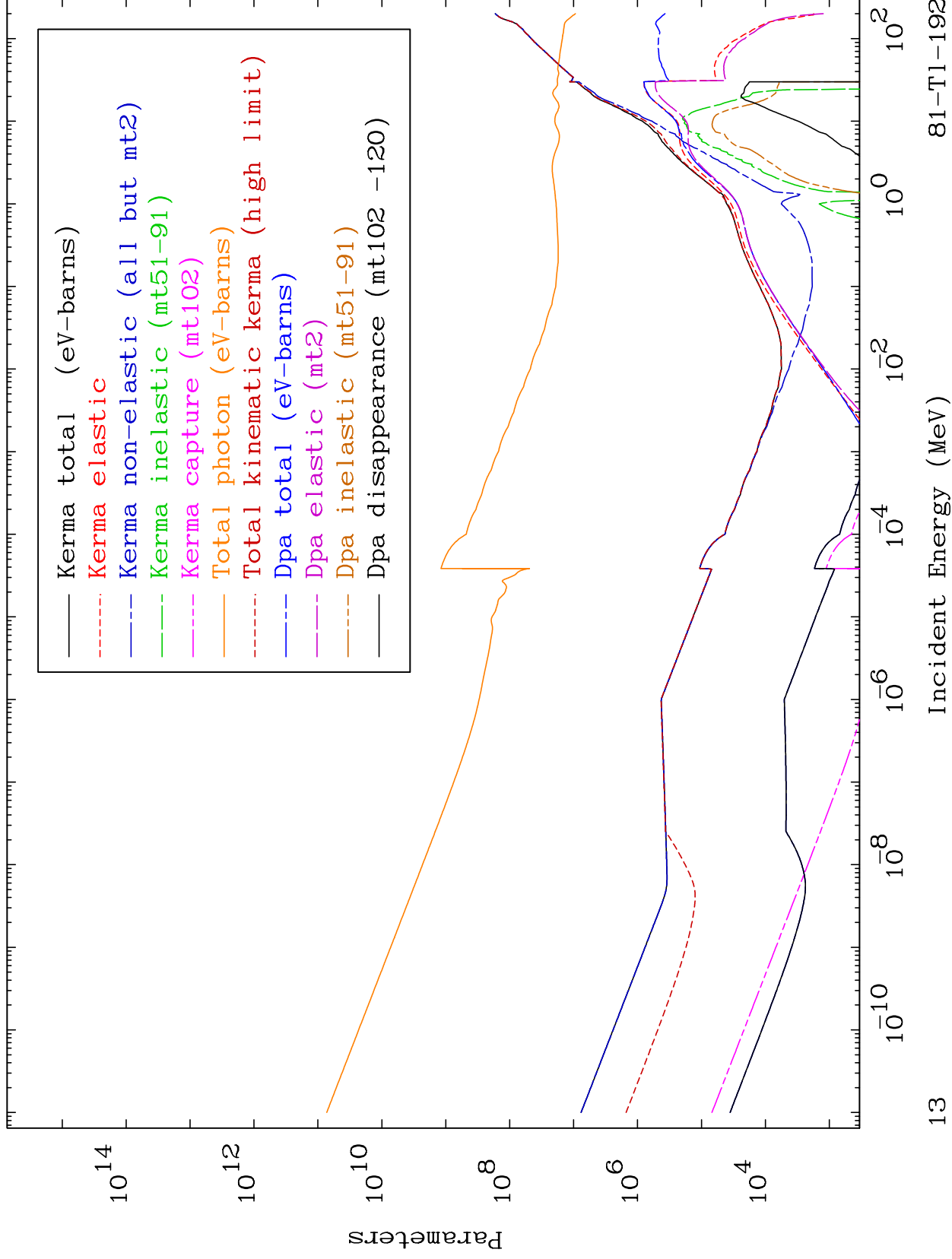
81-Tl-192



12

Incident Energy (MeV)

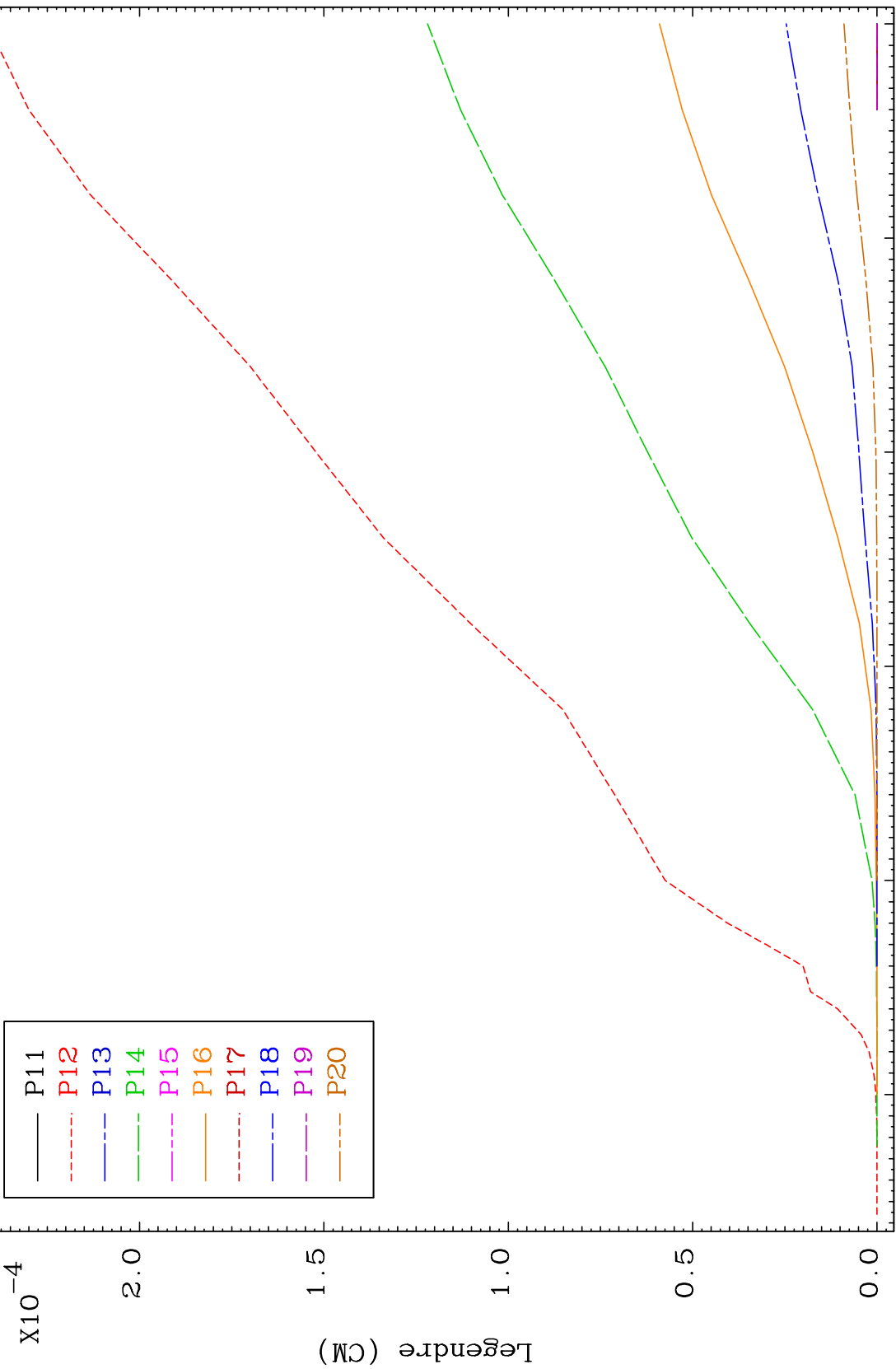
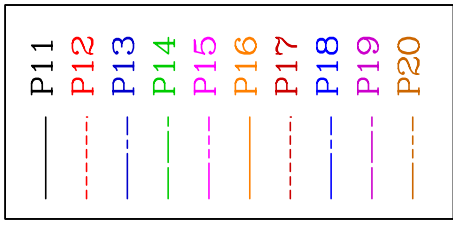
81-Tl-192



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Elastic Legendre Coefficients

81-T1-192



15

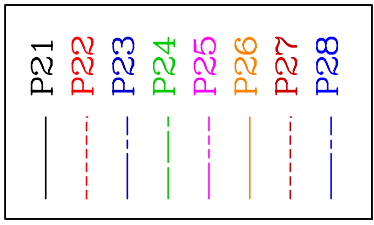
Incident Energy (MeV)

81-T1-192

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Elastic Legendre Coefficients

81-T1-192



$\times 10^{-6}$

1.2

0.8

0.4

0.0

Legendre (CM)

15

20

25

30

16

Incident Energy (MeV)

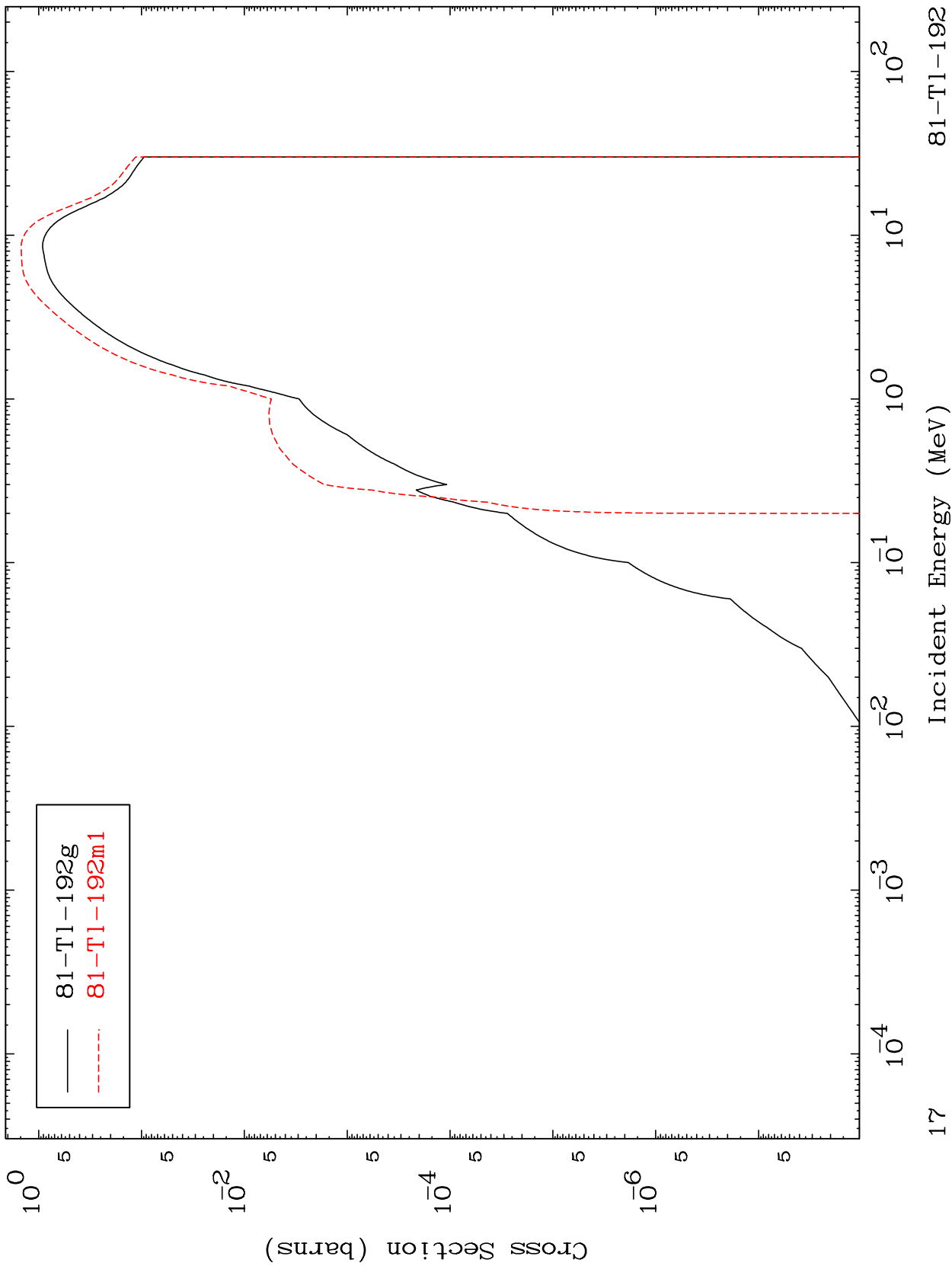
81-T1-192



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81-Tl-192

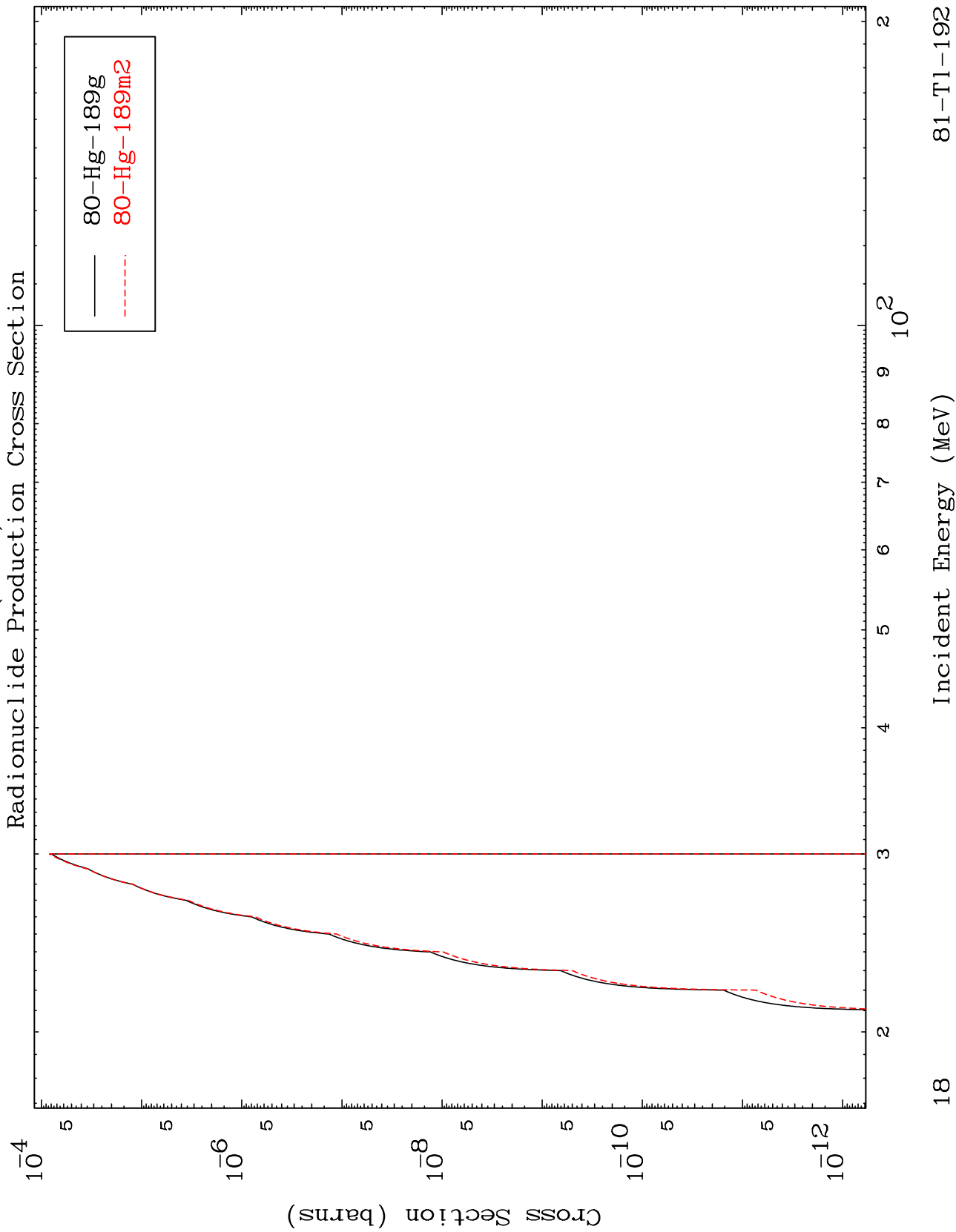
Inelastic
Radionuclide Production Cross Section



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(n,2n) d

81-T1-192



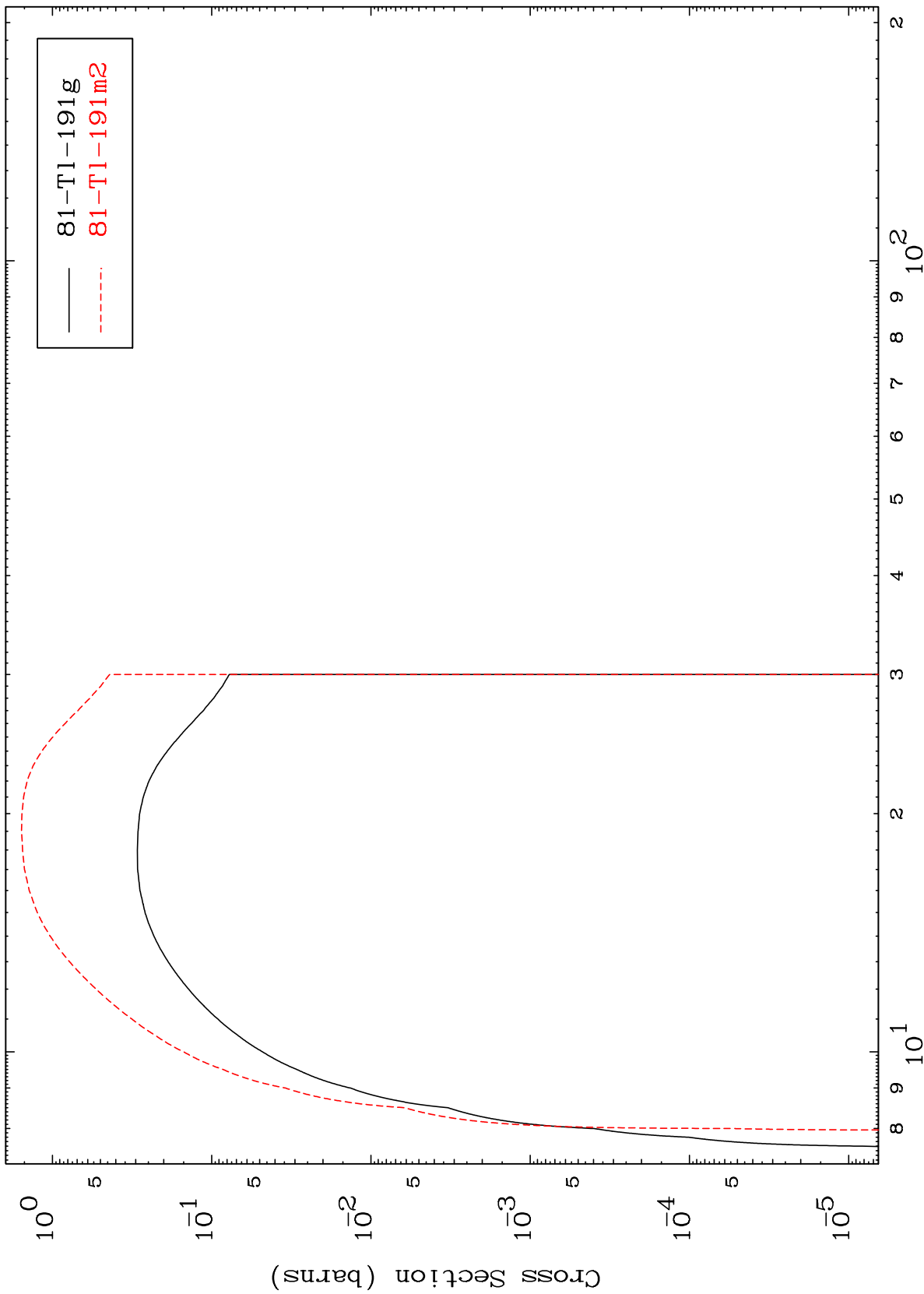
18

81-T1-192

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81-Tl-192

(n,2n)
Radionuclide Production Cross Section



19

Incident Energy (MeV)

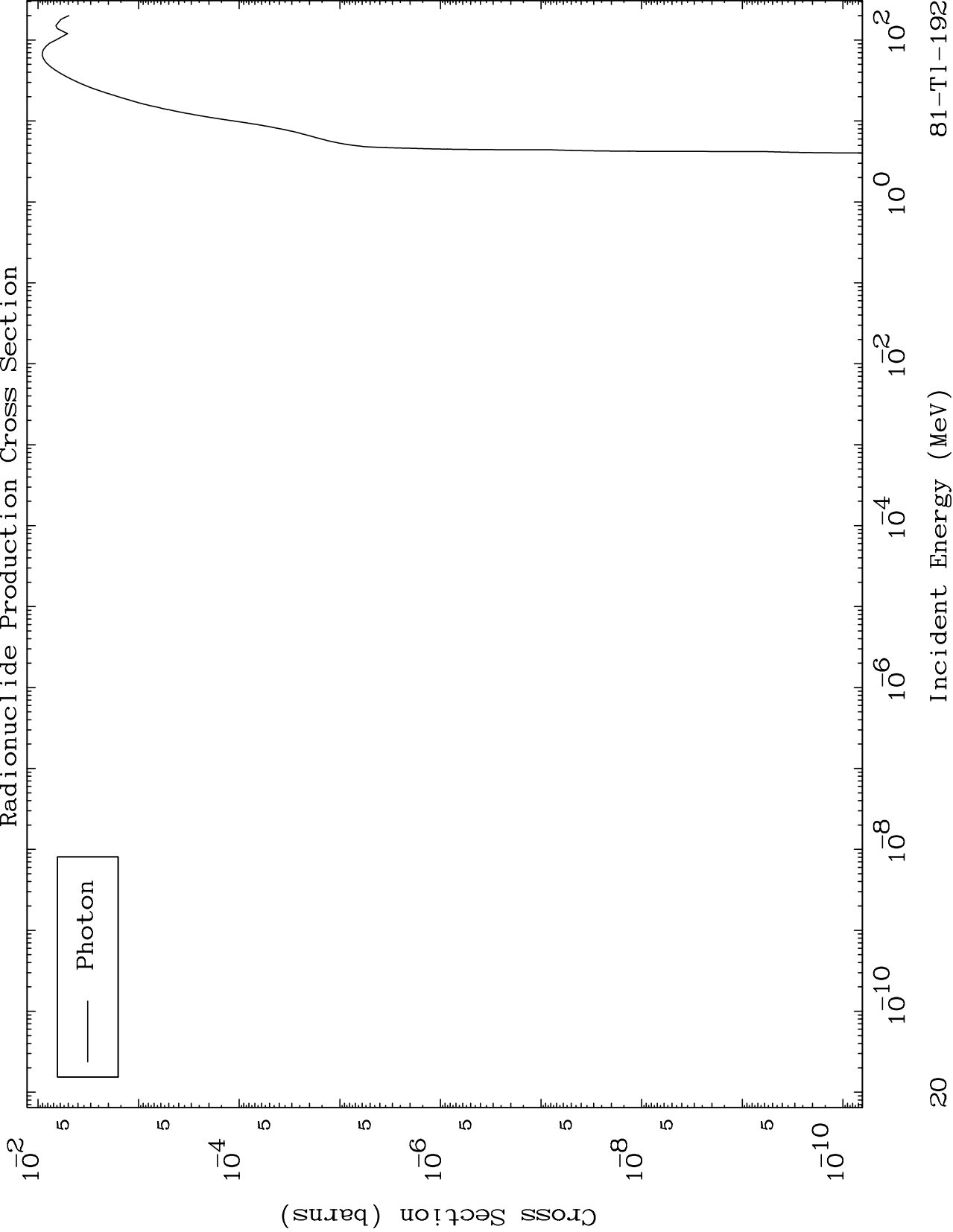
81-Tl-192

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Fission

81-Tl-192

Radionuclide Production Cross Section

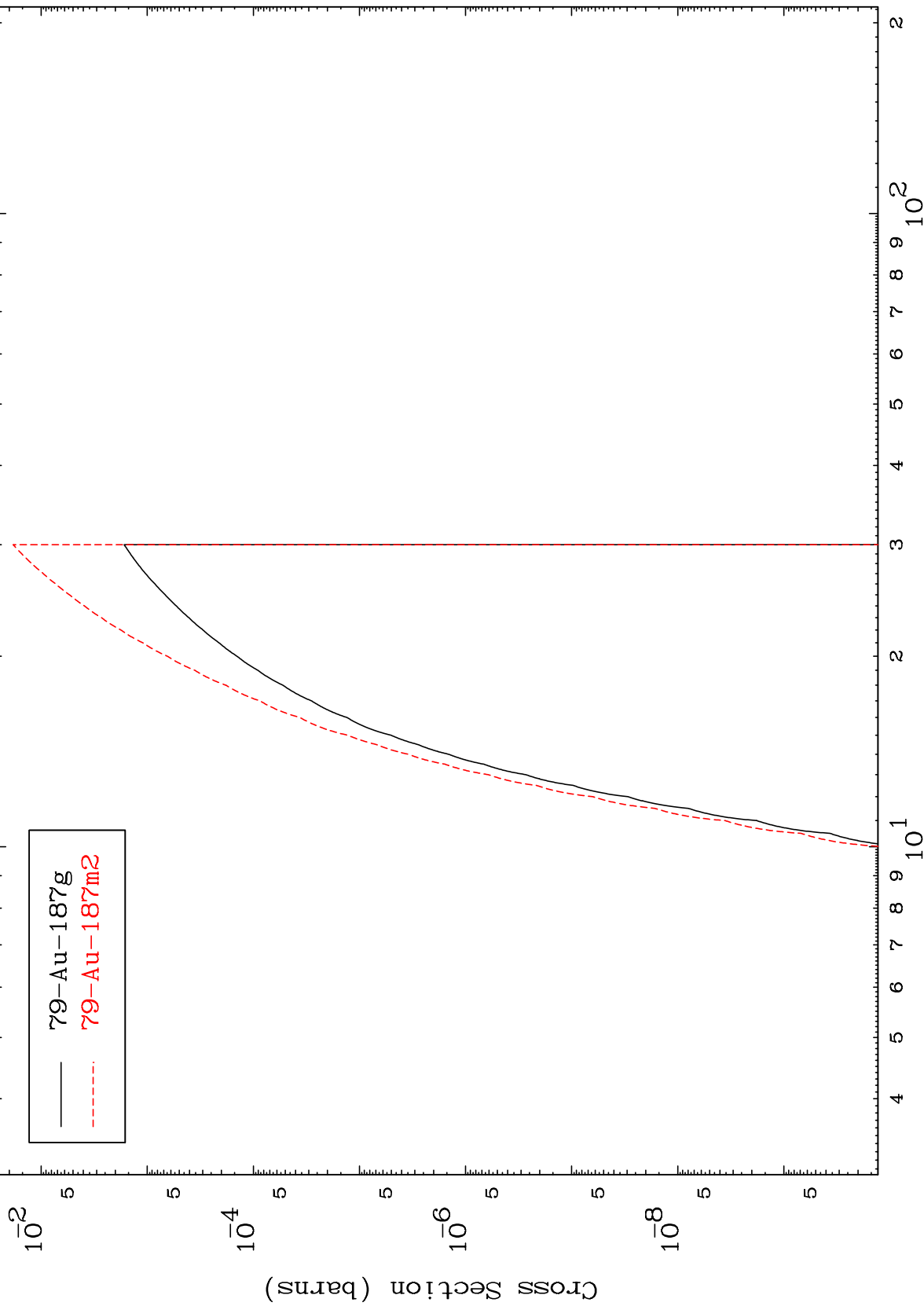


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(n,2n) α

81-Tl-192

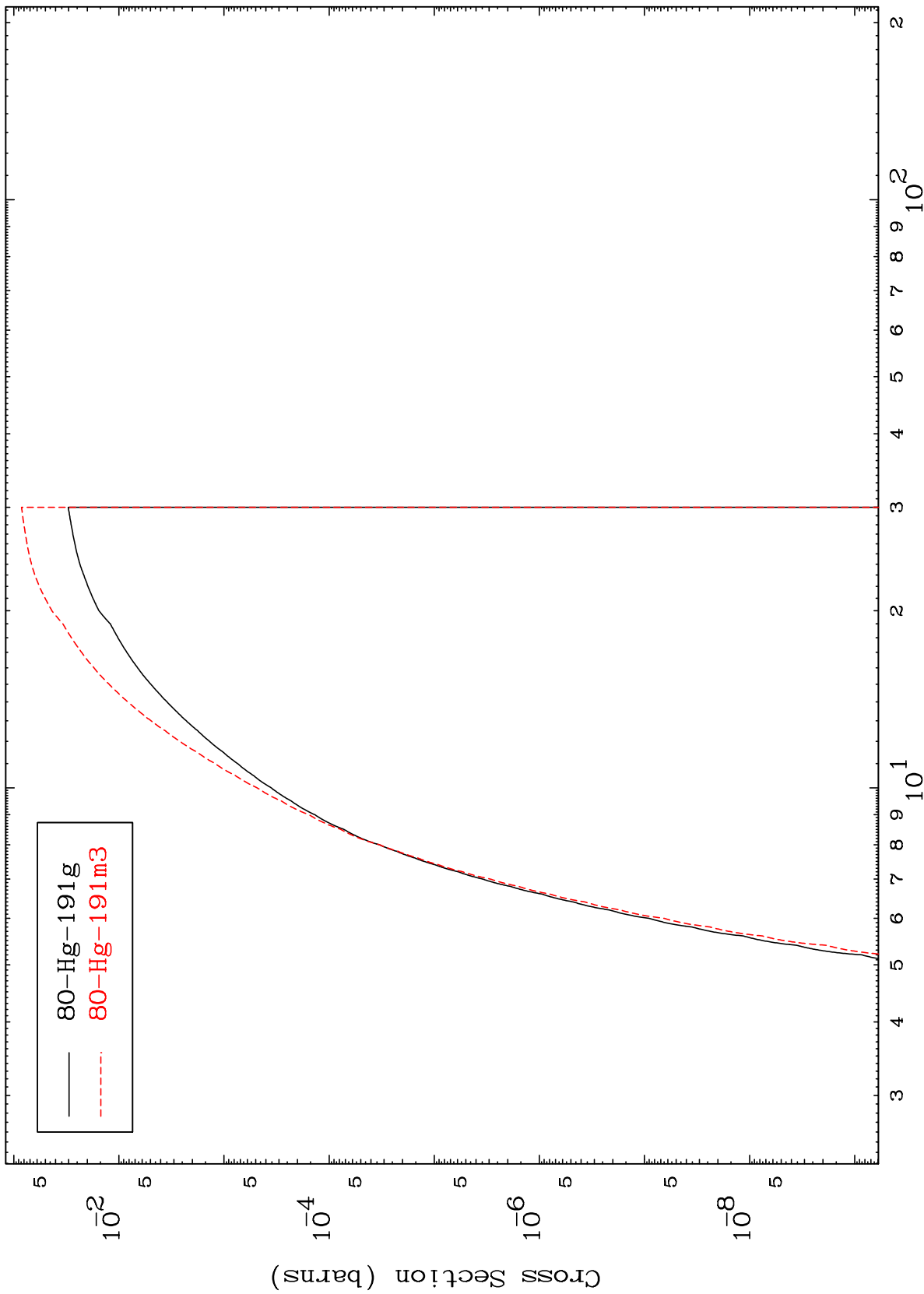
Radionuclide Production Cross Section



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81-T1-192

(n,n') p
Radionuclide Production Cross Section



Incident Energy (MeV)

81-T1-192

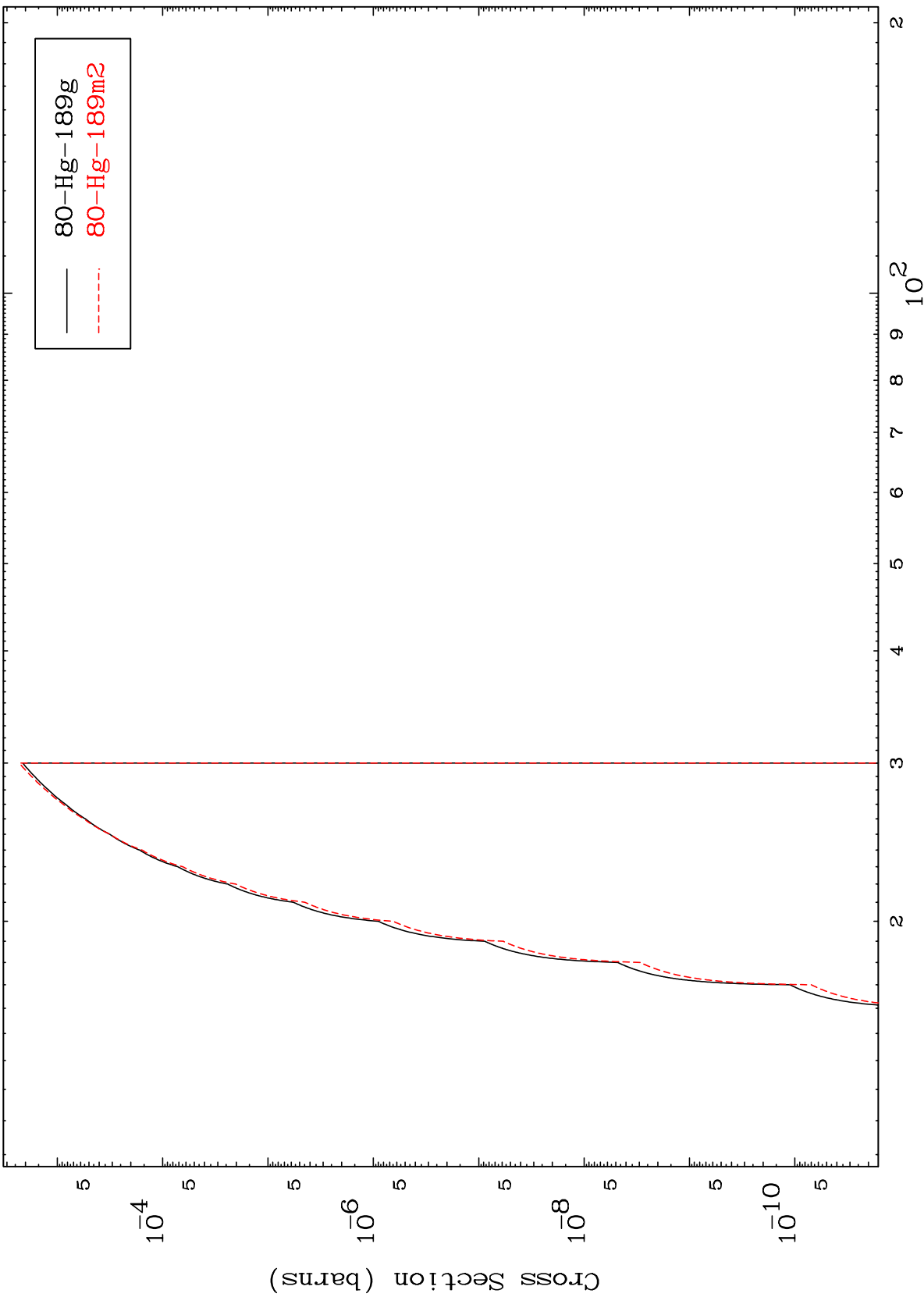
22

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(n,n') t

81-T1-192

Radionuclide Production Cross Section



23

Incident Energy (MeV)

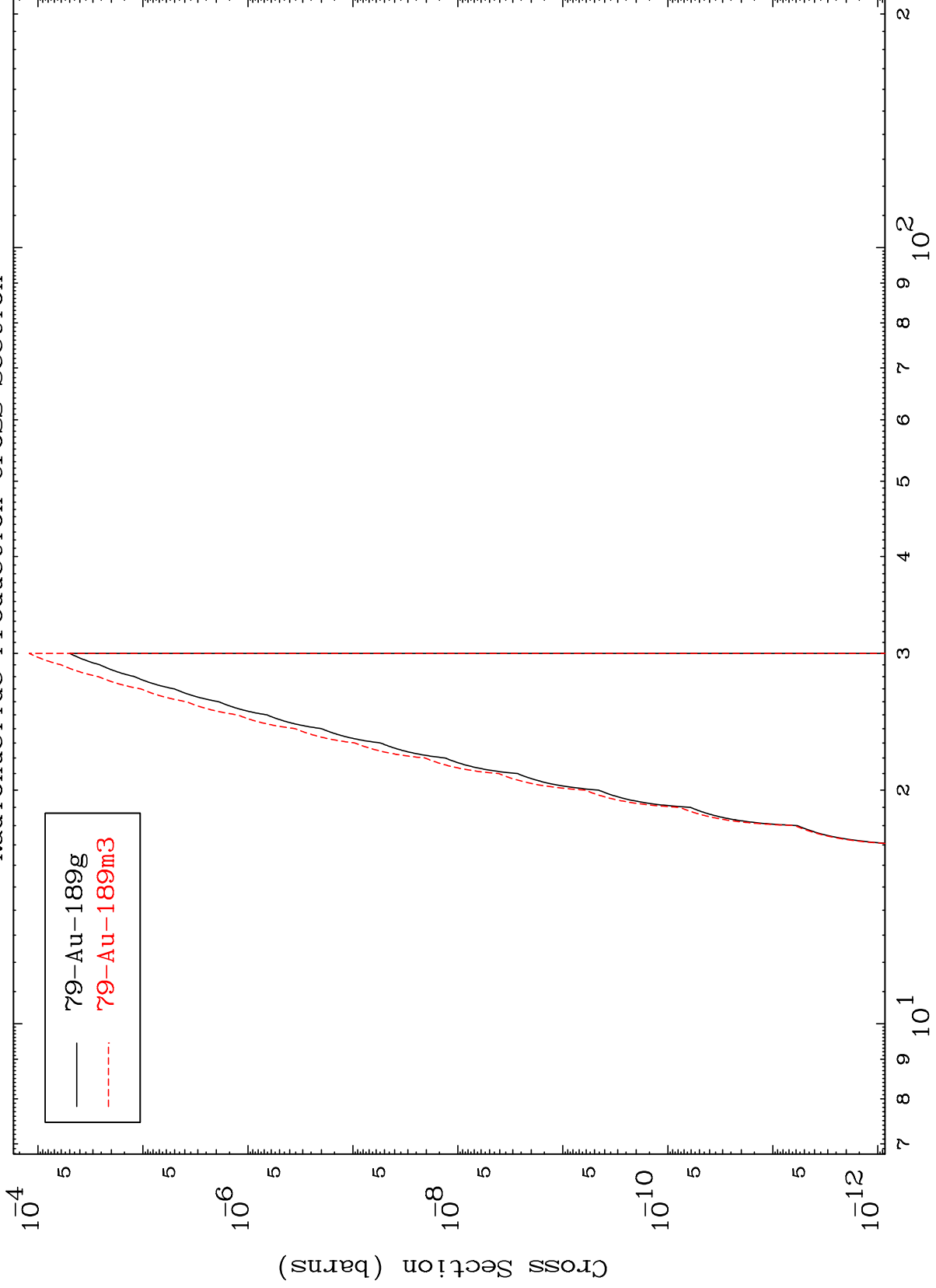
81-T1-192

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(n,n') He-3

81-T1-192

Radionuclide Production Cross Section



79-Au-189g
79-Au-189m3

Incident Energy (MeV)

81-T1-192

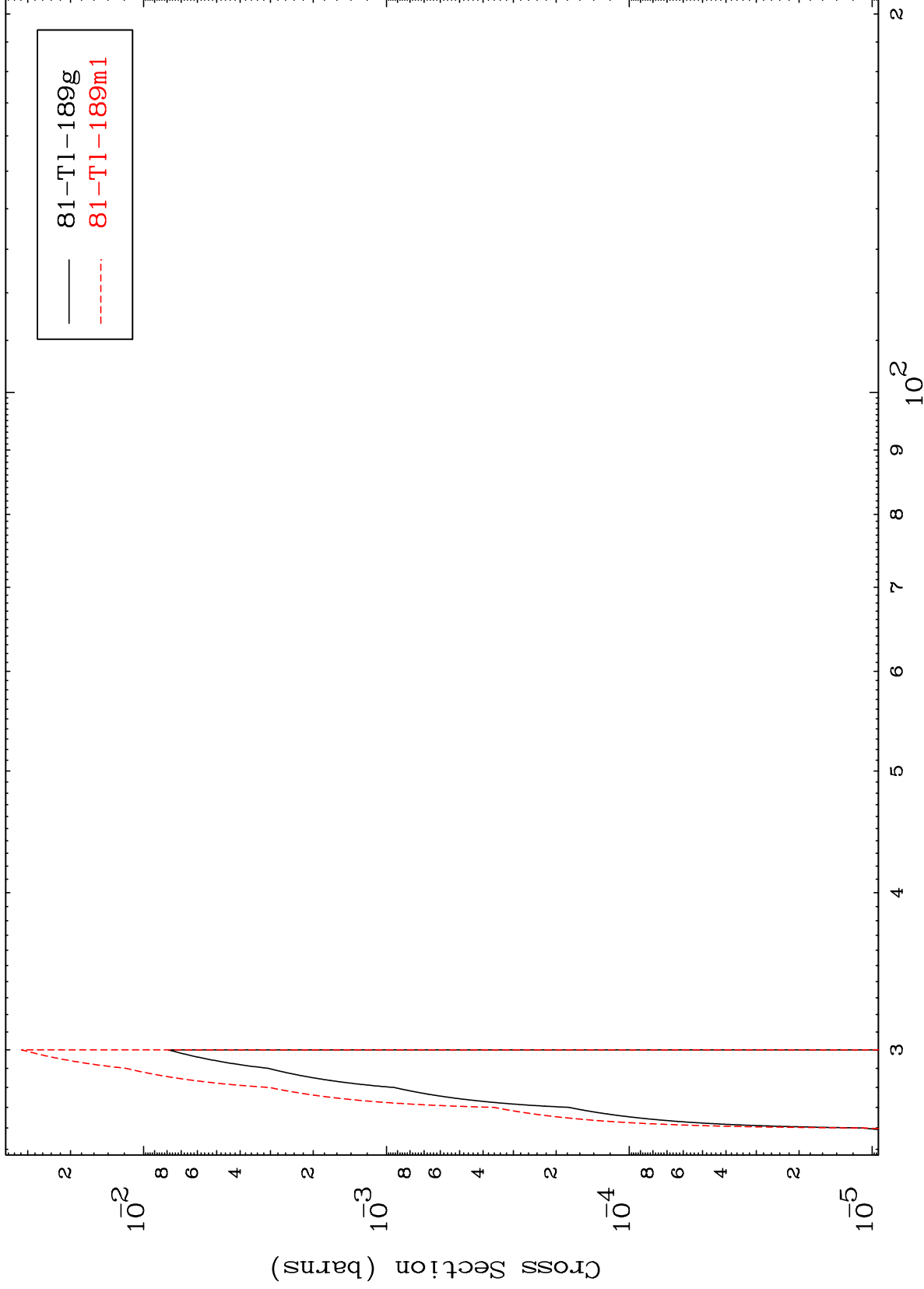
24

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(n,4n)

81-Tl-192

Radionuclide Production Cross Section



25

Incident Energy (MeV)

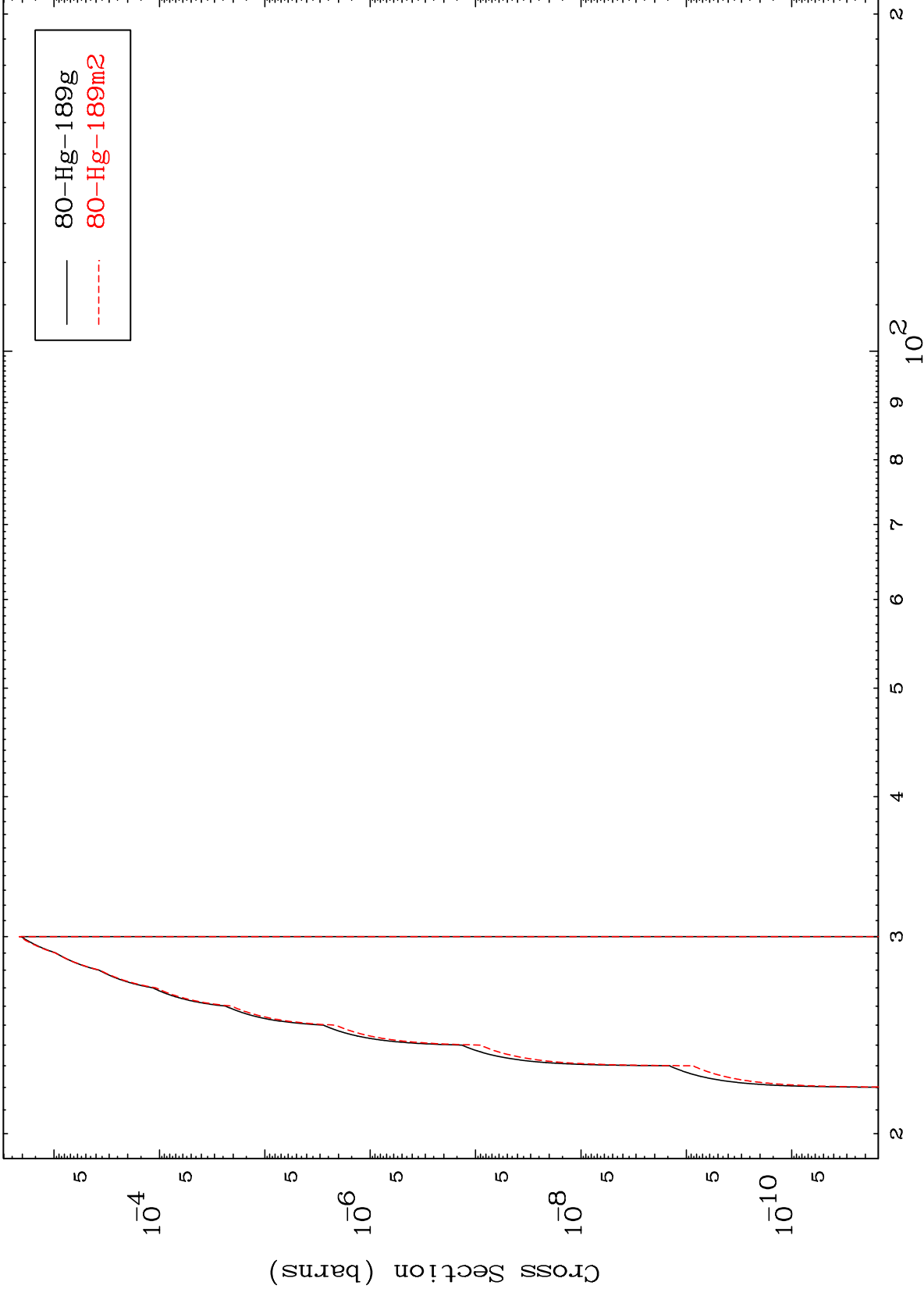
81-Tl-192

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(n,3n) p

81-T1-192

Radionuclide Production Cross Section



26

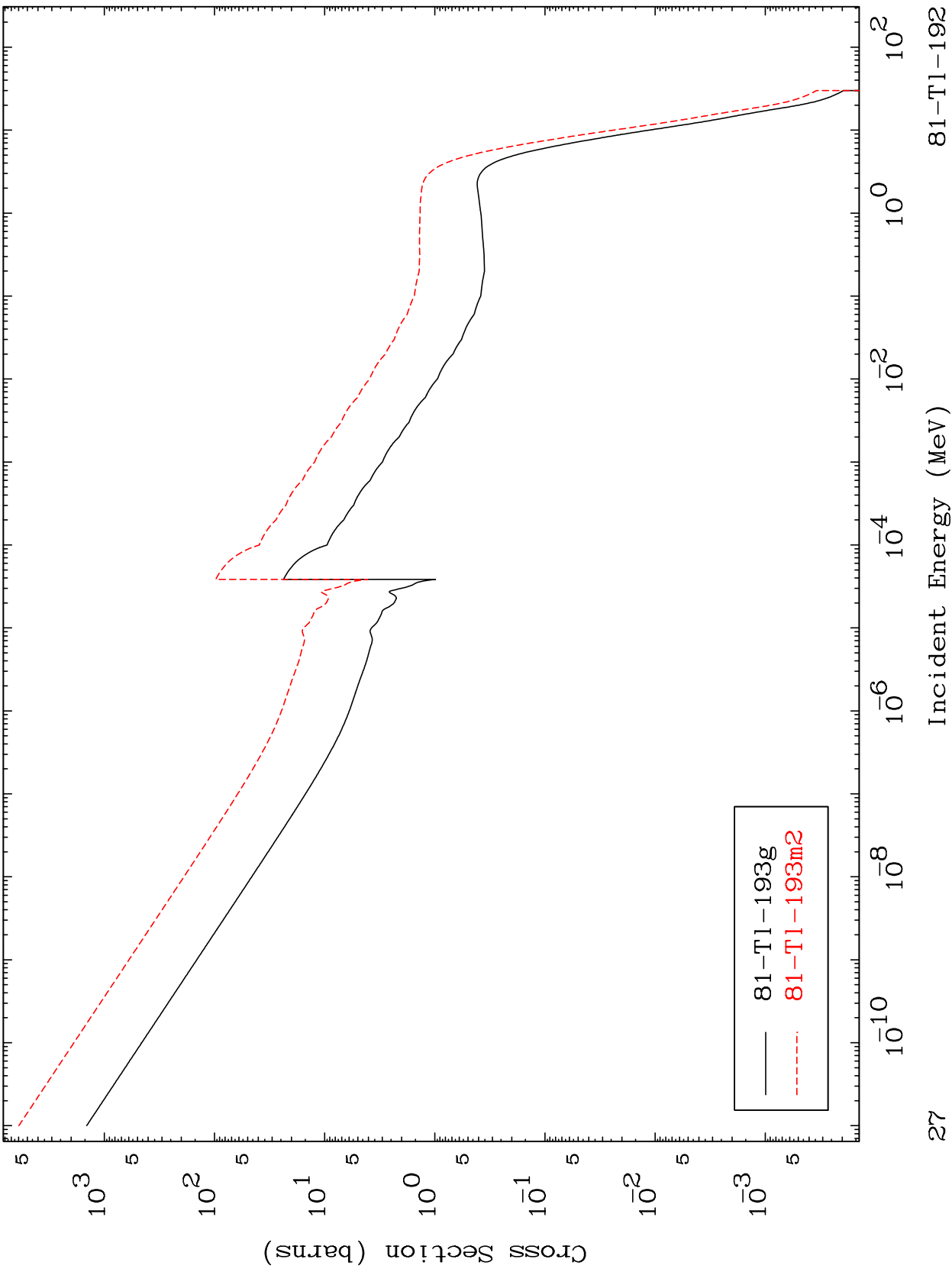
Incident Energy (MeV)

81-T1-192

MAT 8093

81-Tl-192

(n, γ)
Radionuclide Production Cross Section

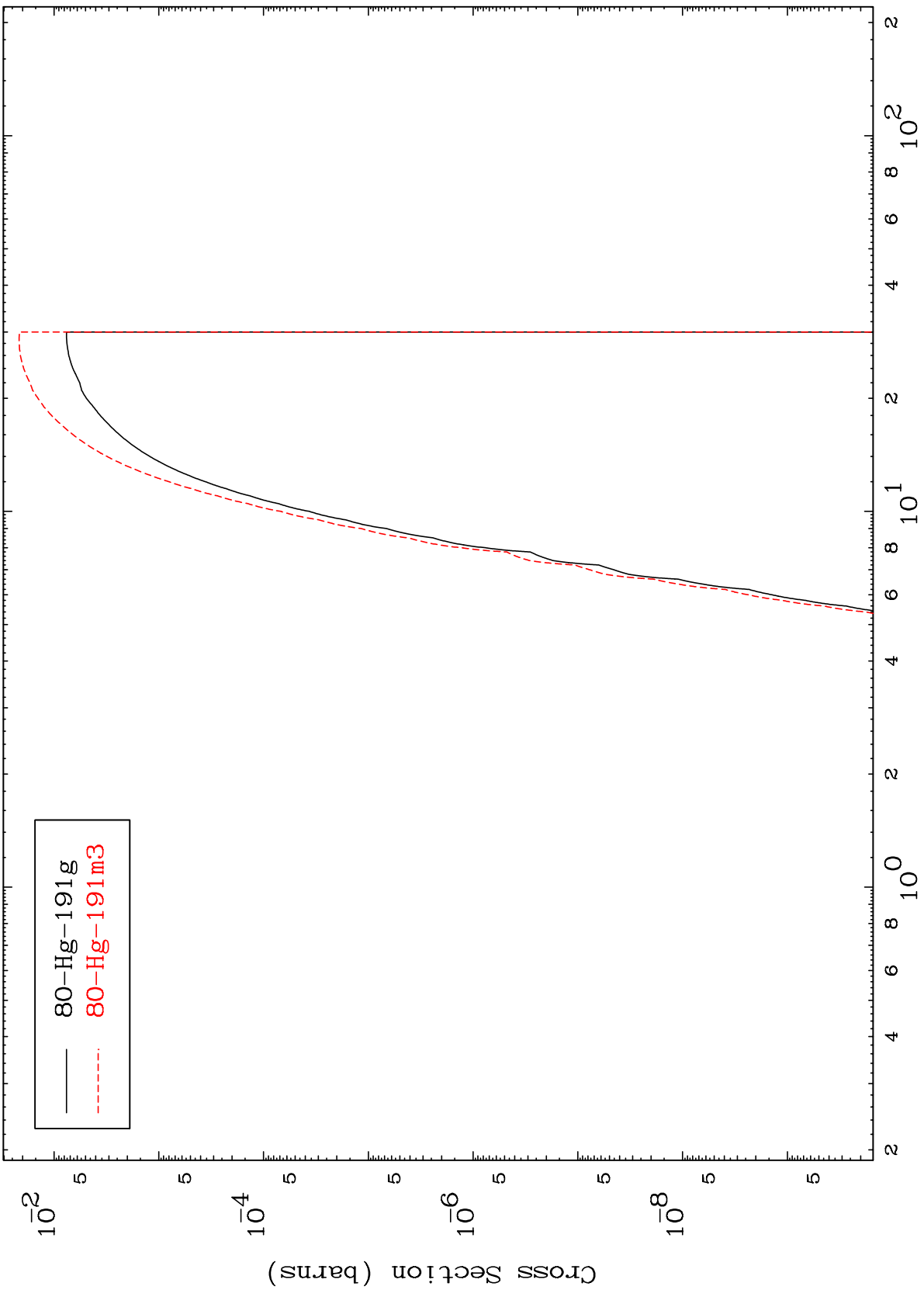


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(n,d)

81-Tl-192

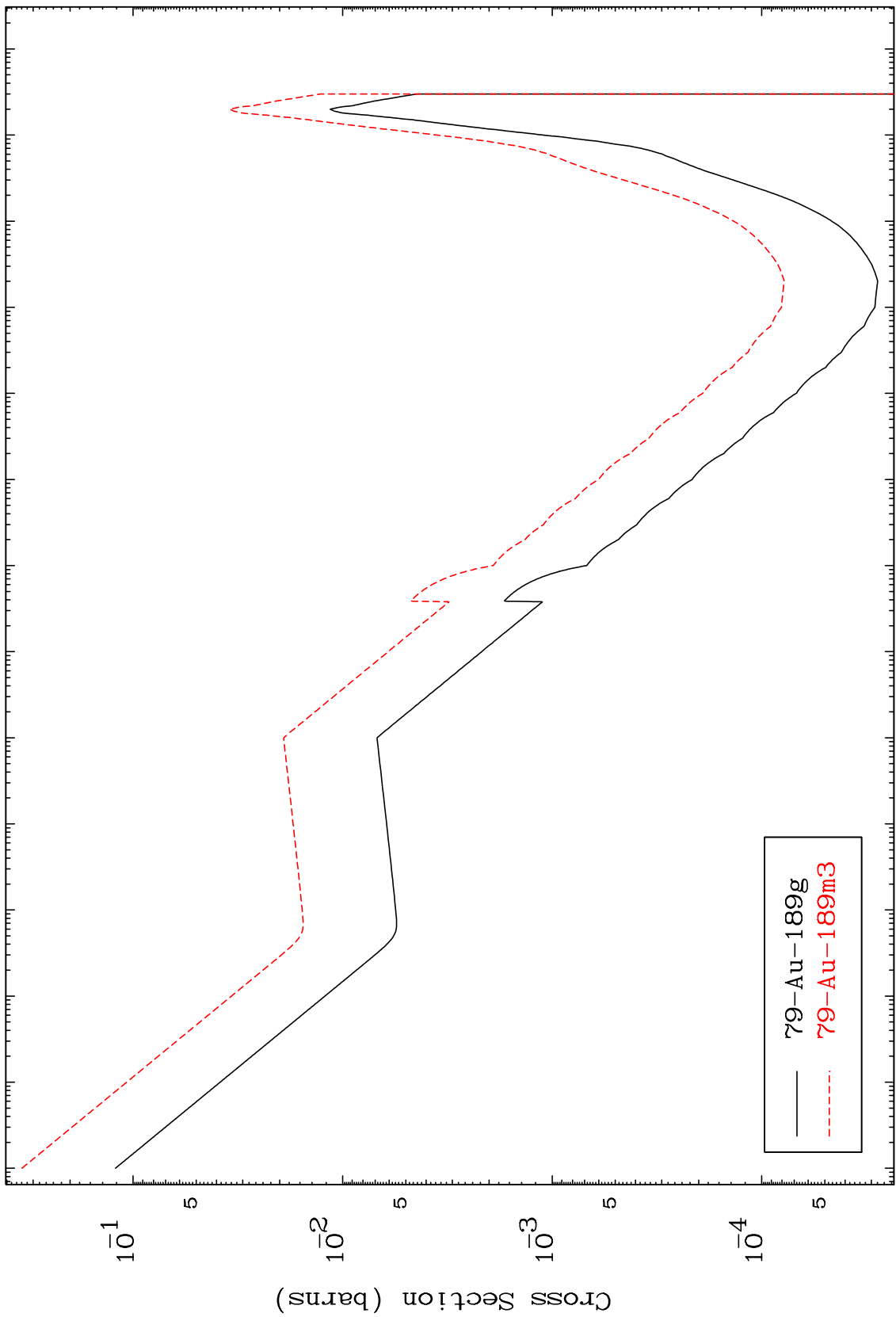
Radionuclide Production Cross Section



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81-Tl-192

(n, α)
Radionuclide Production Cross Section



81-Tl-192

Incident Energy (MeV)

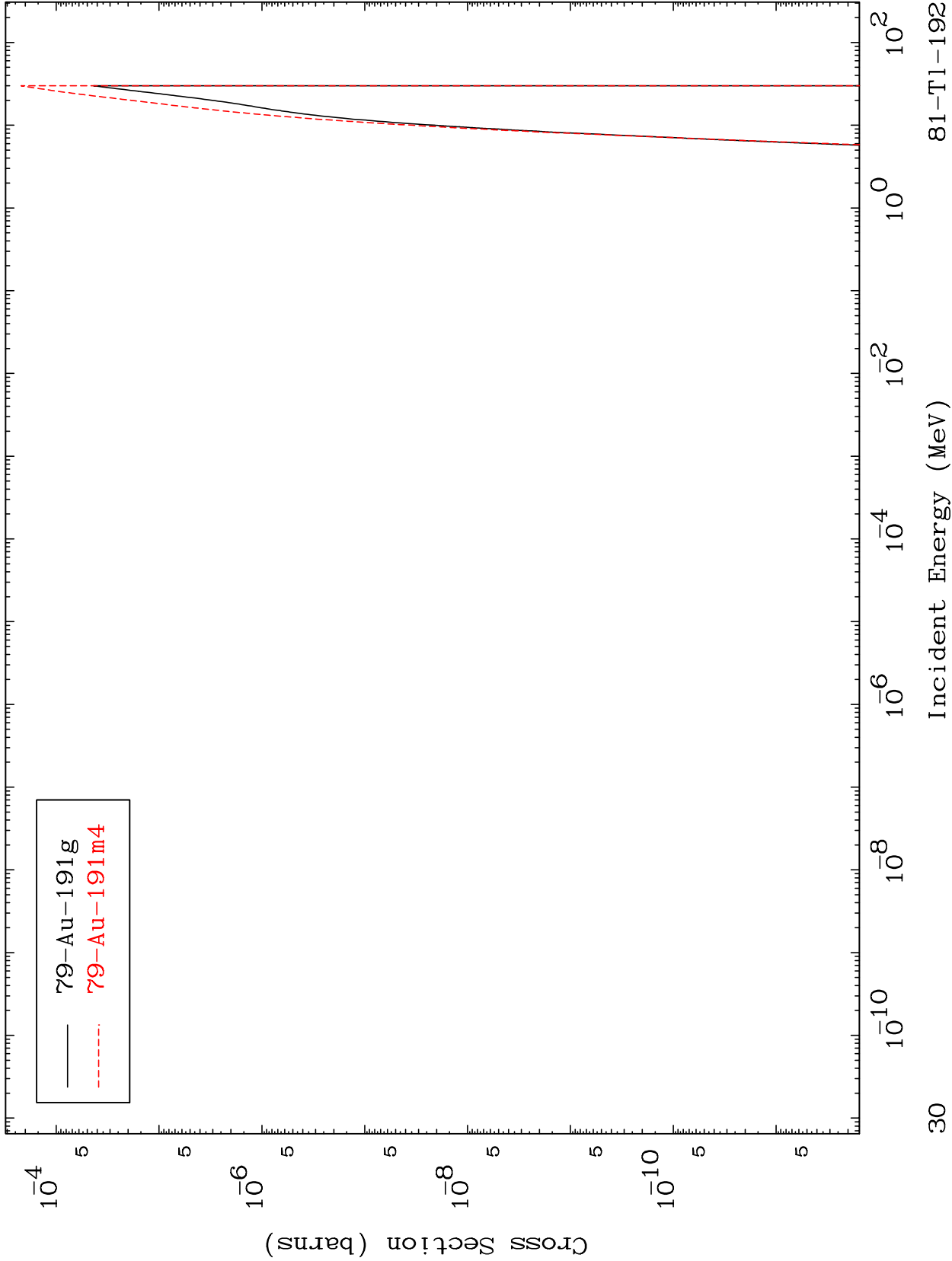
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(n,2p)

81-Tl-192

Radionuclide Production Cross Section



MAT 8093

(n,p) t

81-Tl-192

Radionuclide Production Cross Section

