

Program EVALPLOT
(Version 2018-1)

by

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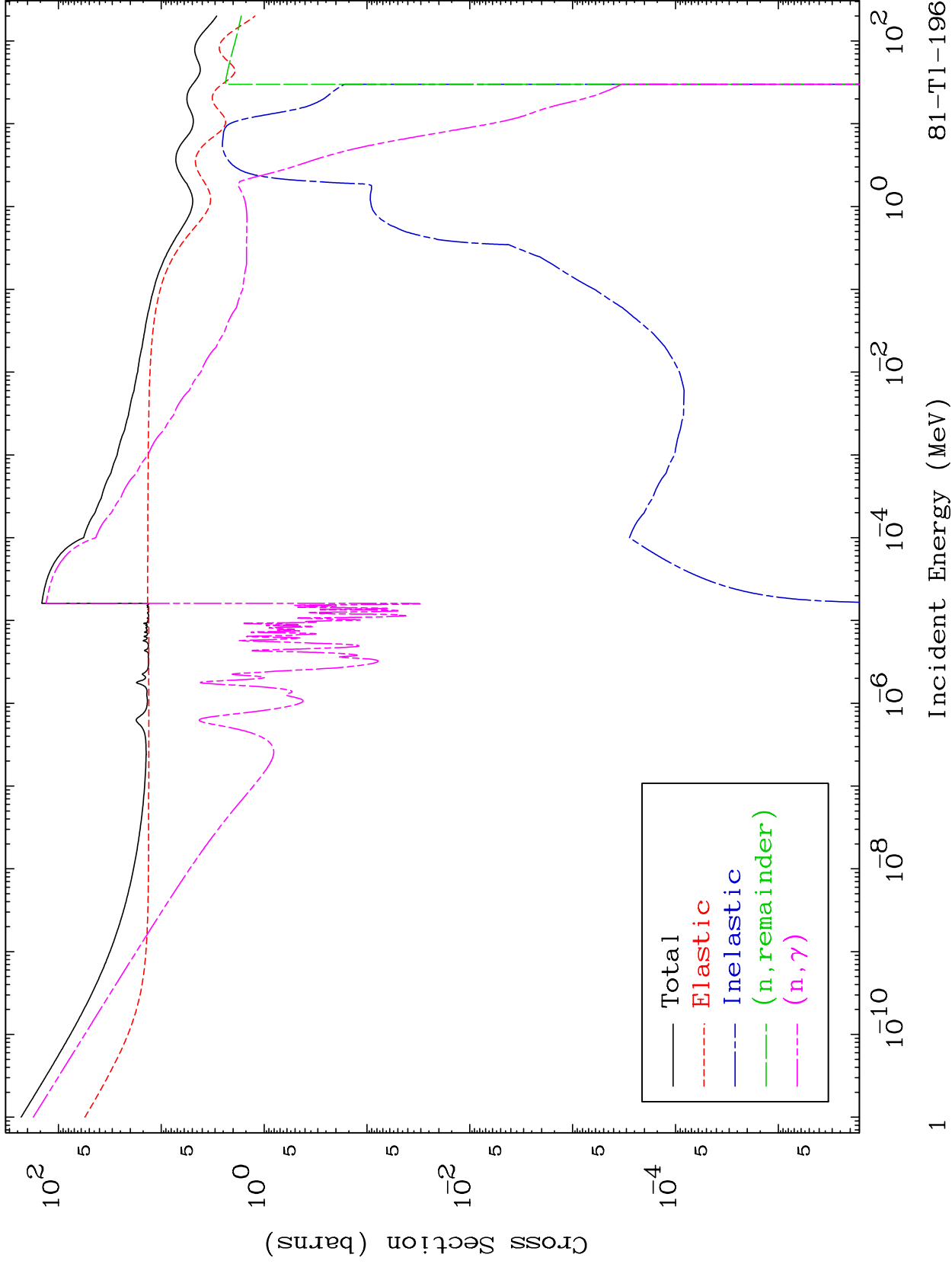
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8105

Major
293 Kelvin Cross Sections

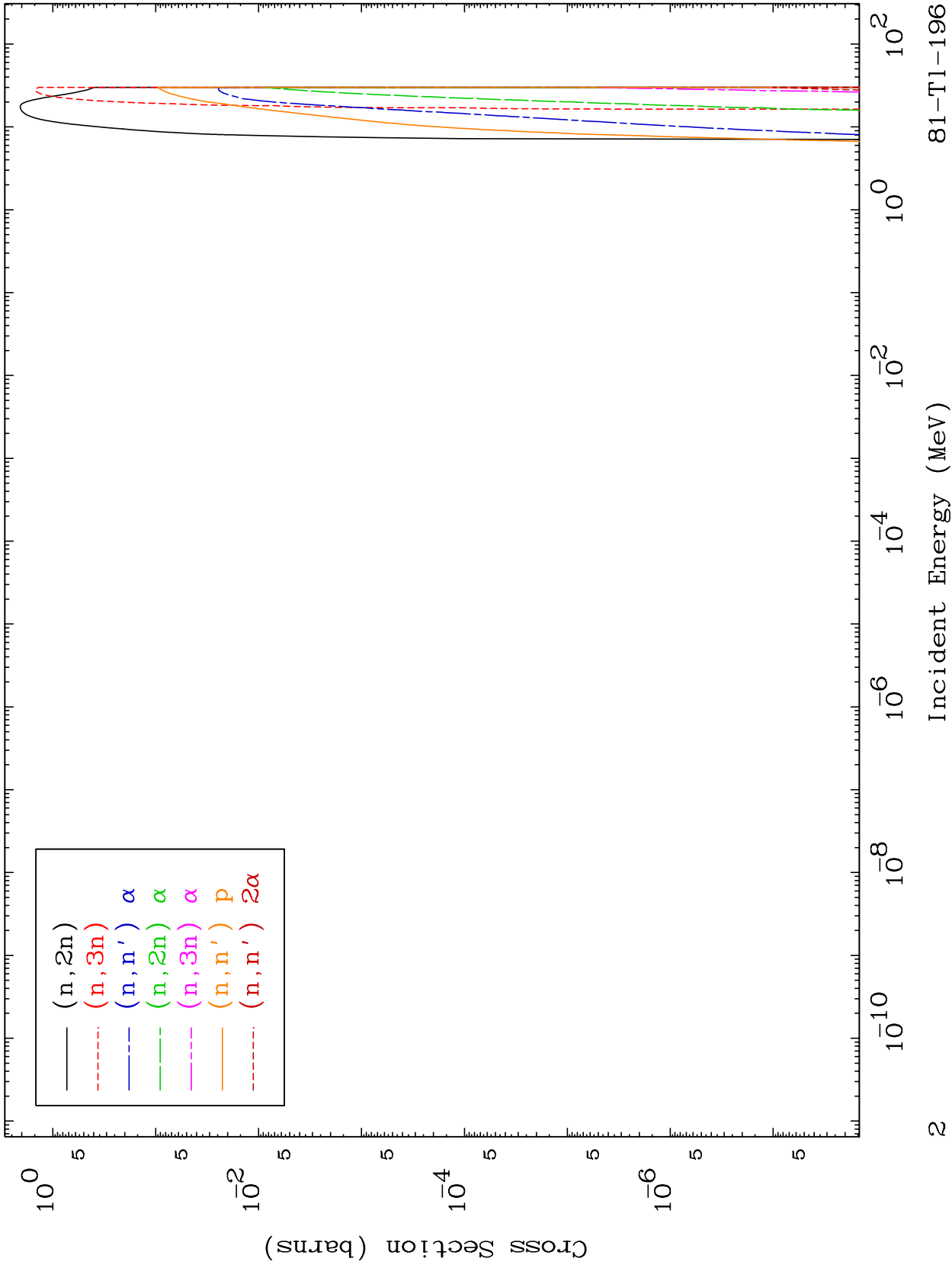
81-T1-196

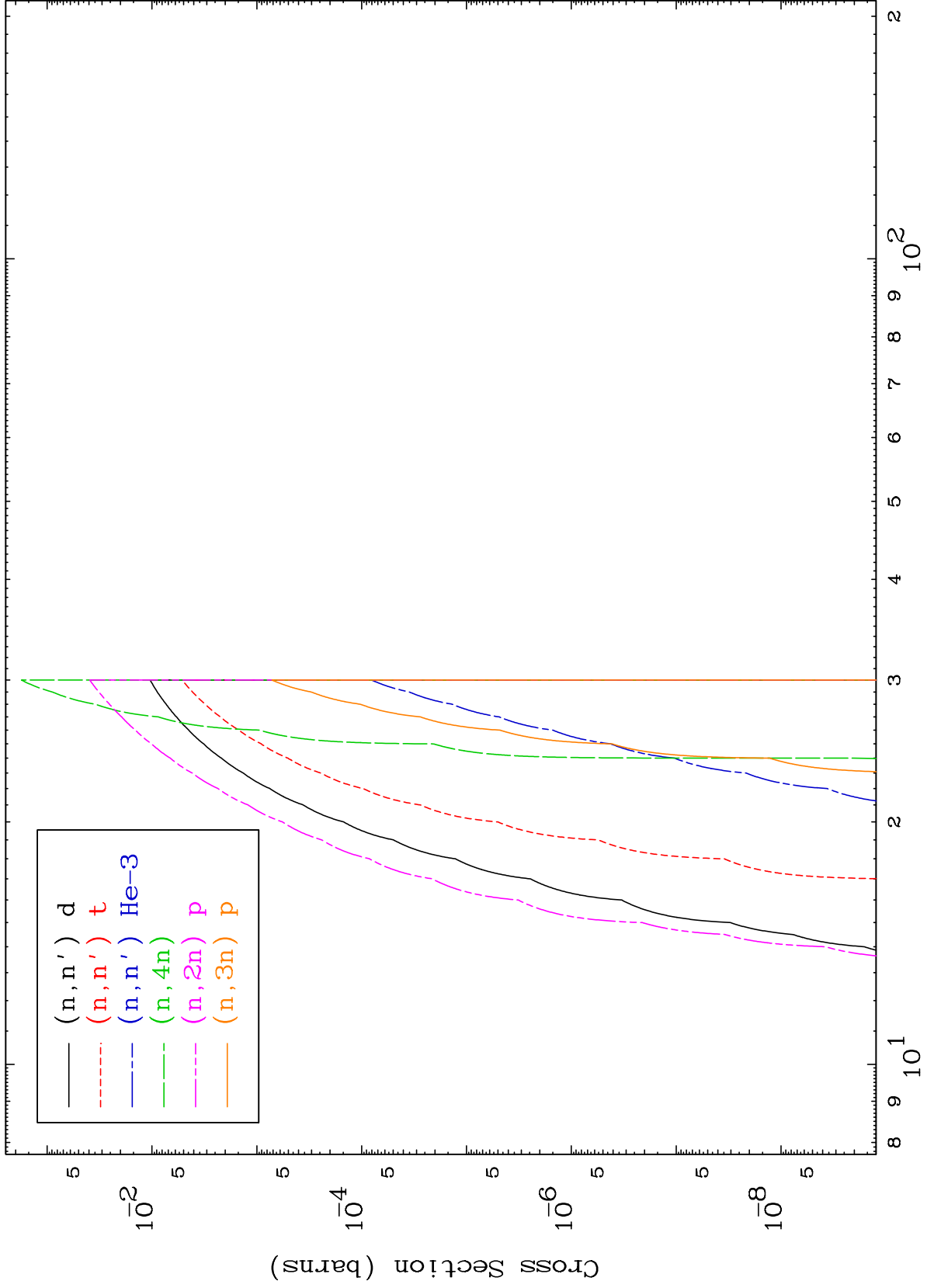


MAT 8105

Neutron Production
293 Kelvin Cross Sections

81-Tl-196

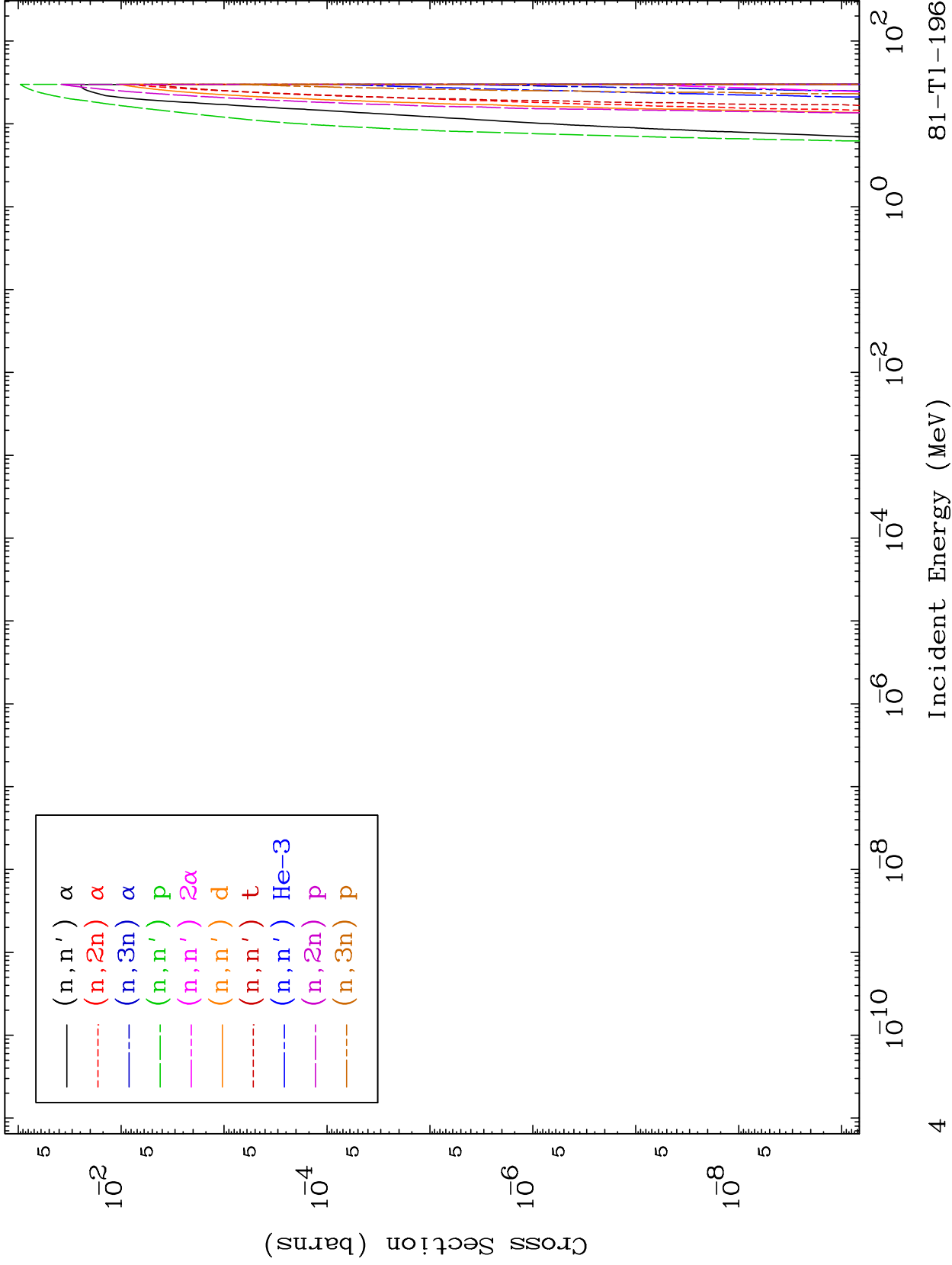




MAT 8105

Charged Particle
293 Kelvin Cross Sections

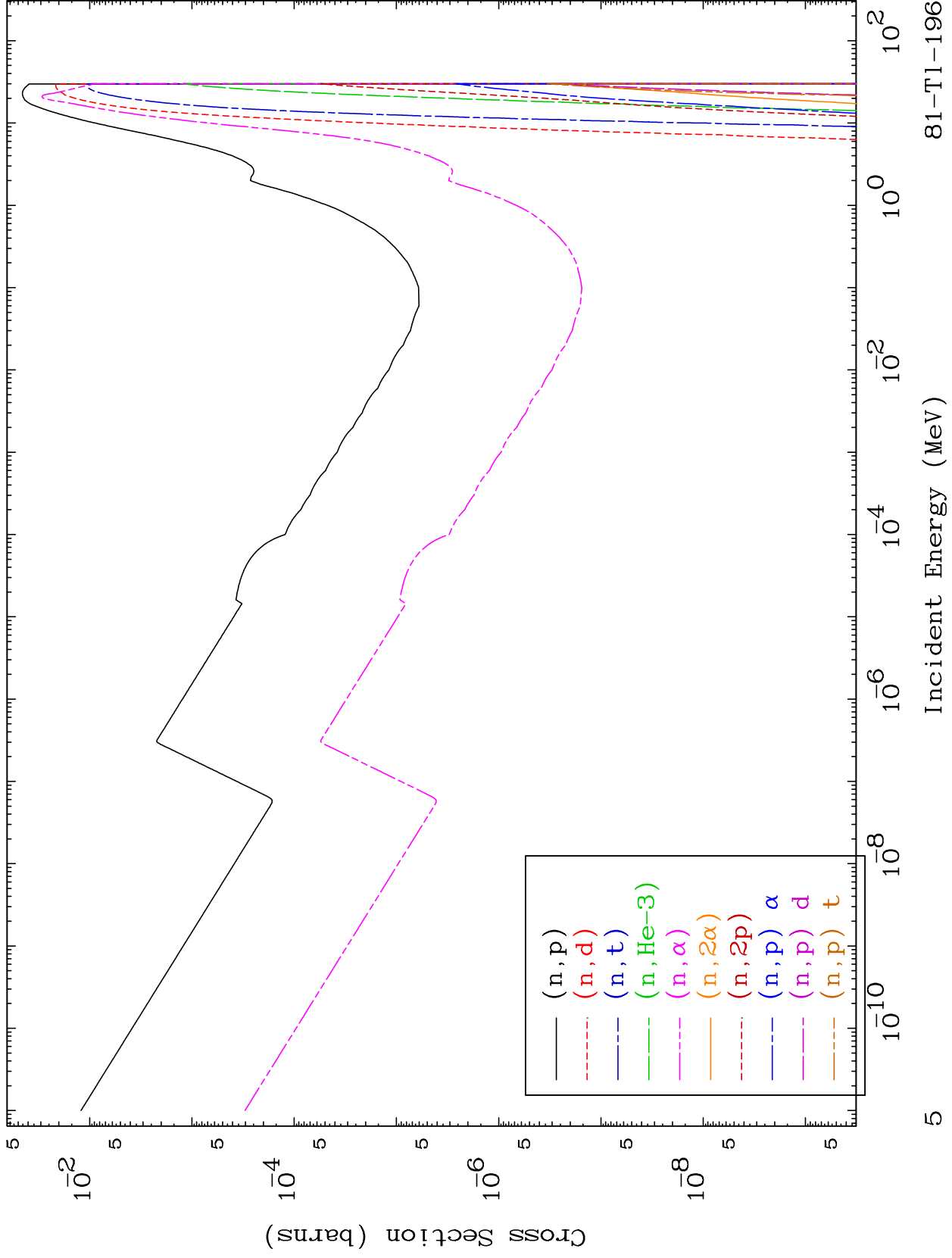
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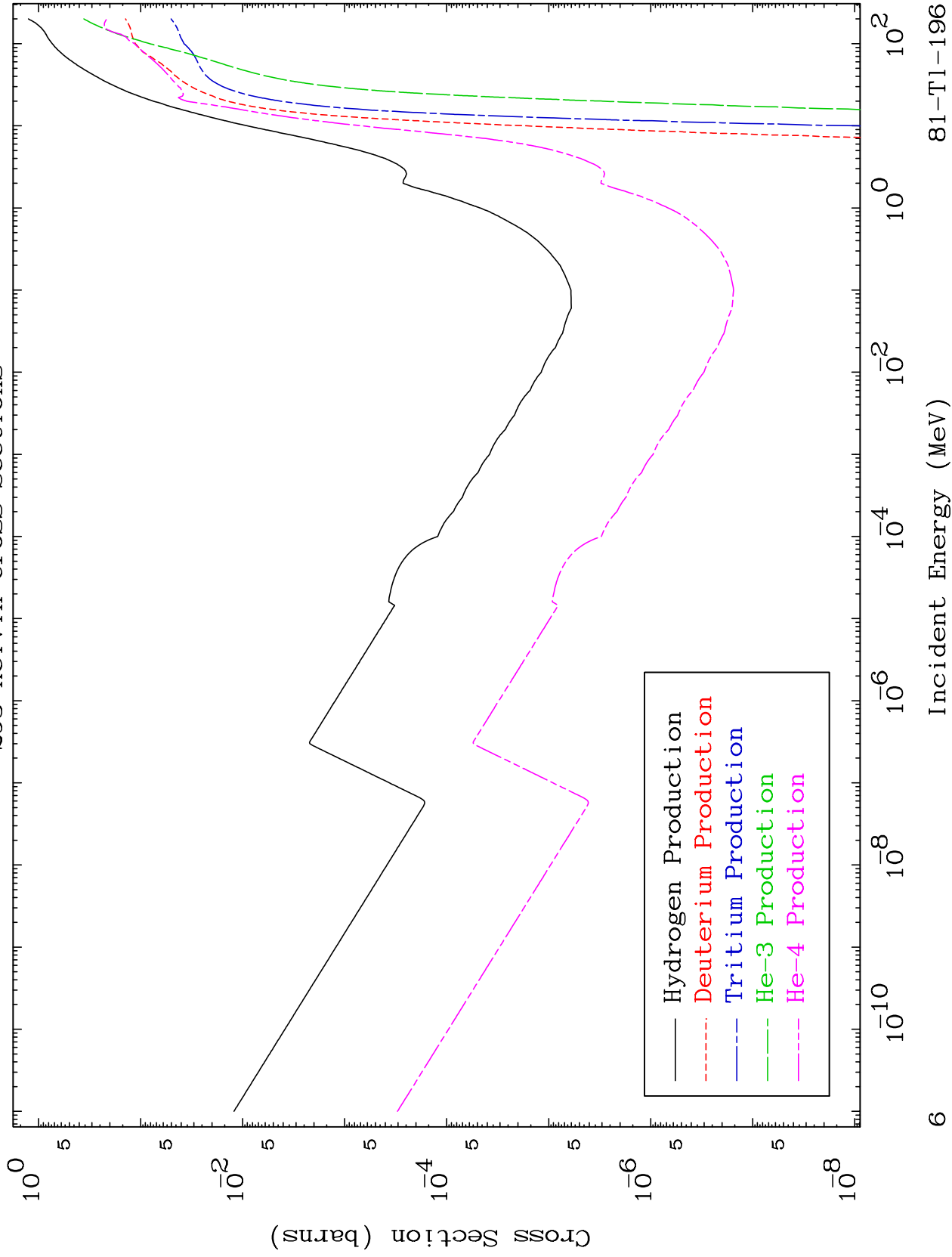


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Charged Particle
293 Kelvin Cross Sections

81-Tl-196

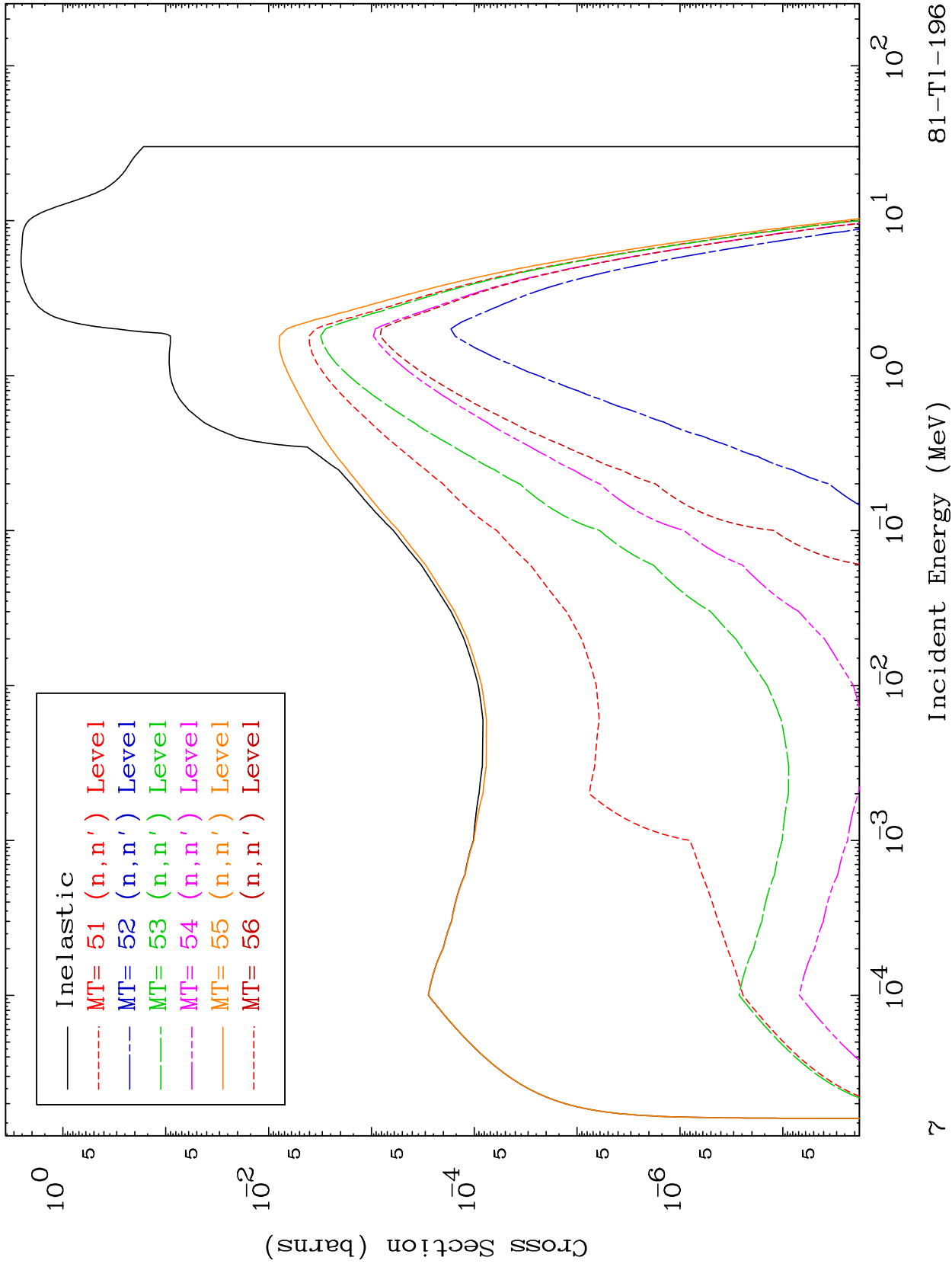




MAT 8105

293 Kelvin Cross Sections
(n,n') Level

81-T1-196

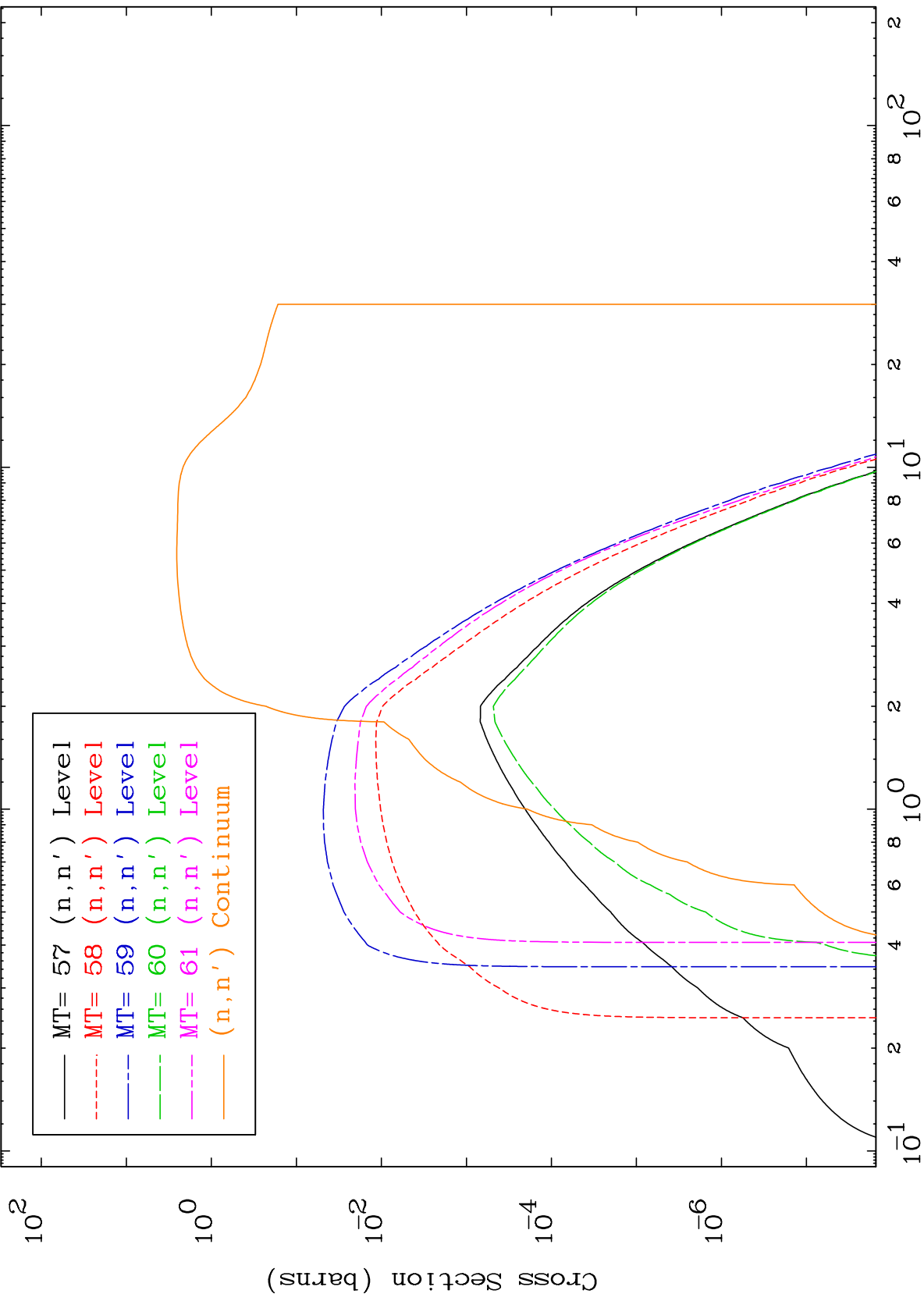


MAT 8105

(n,n') Level

81-Tl-196

293 Kelvin Cross Sections



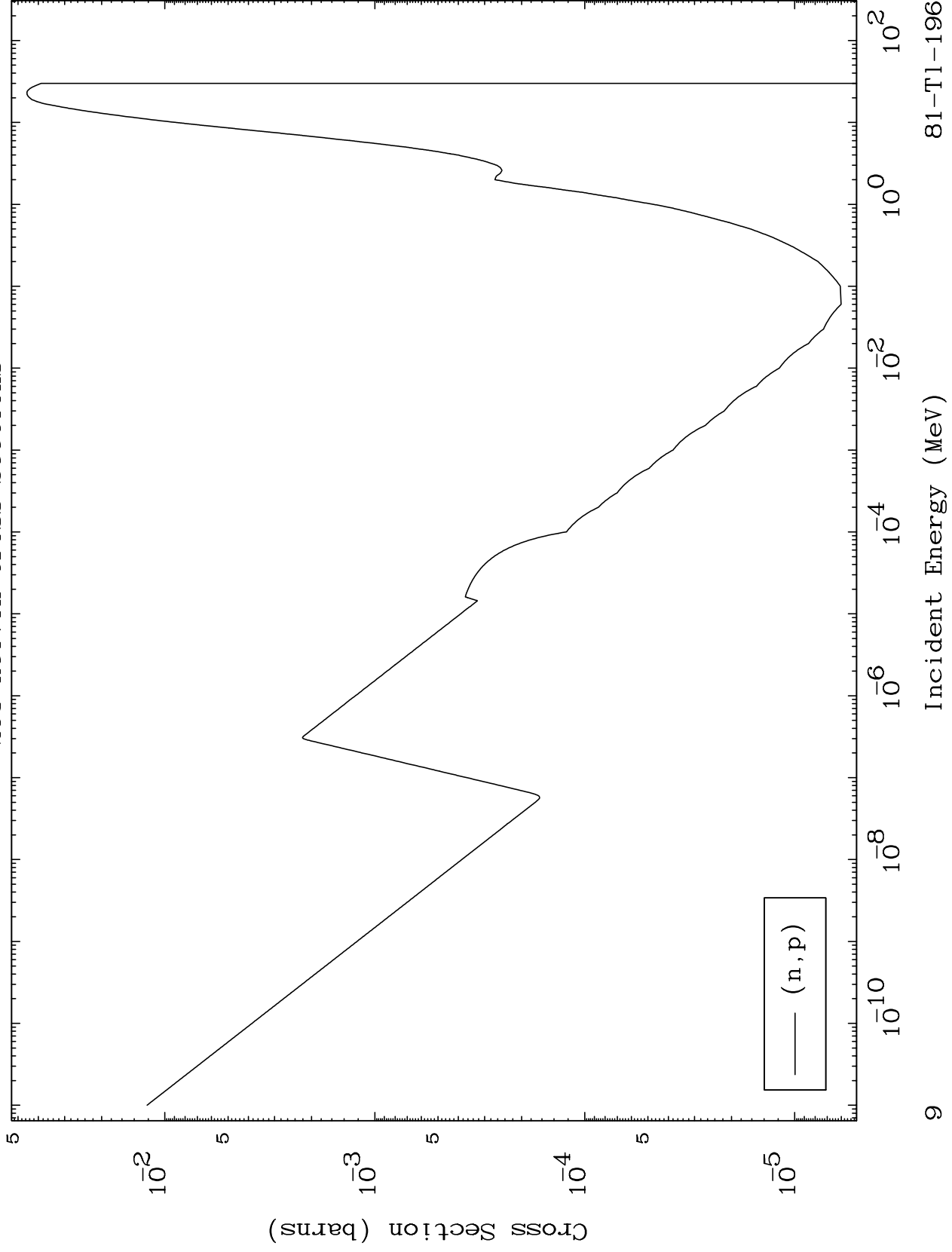
Incident Energy (MeV)

81-Tl-196

MAT 8105

(n,p) Levels
293 Kelvin Cross Sections

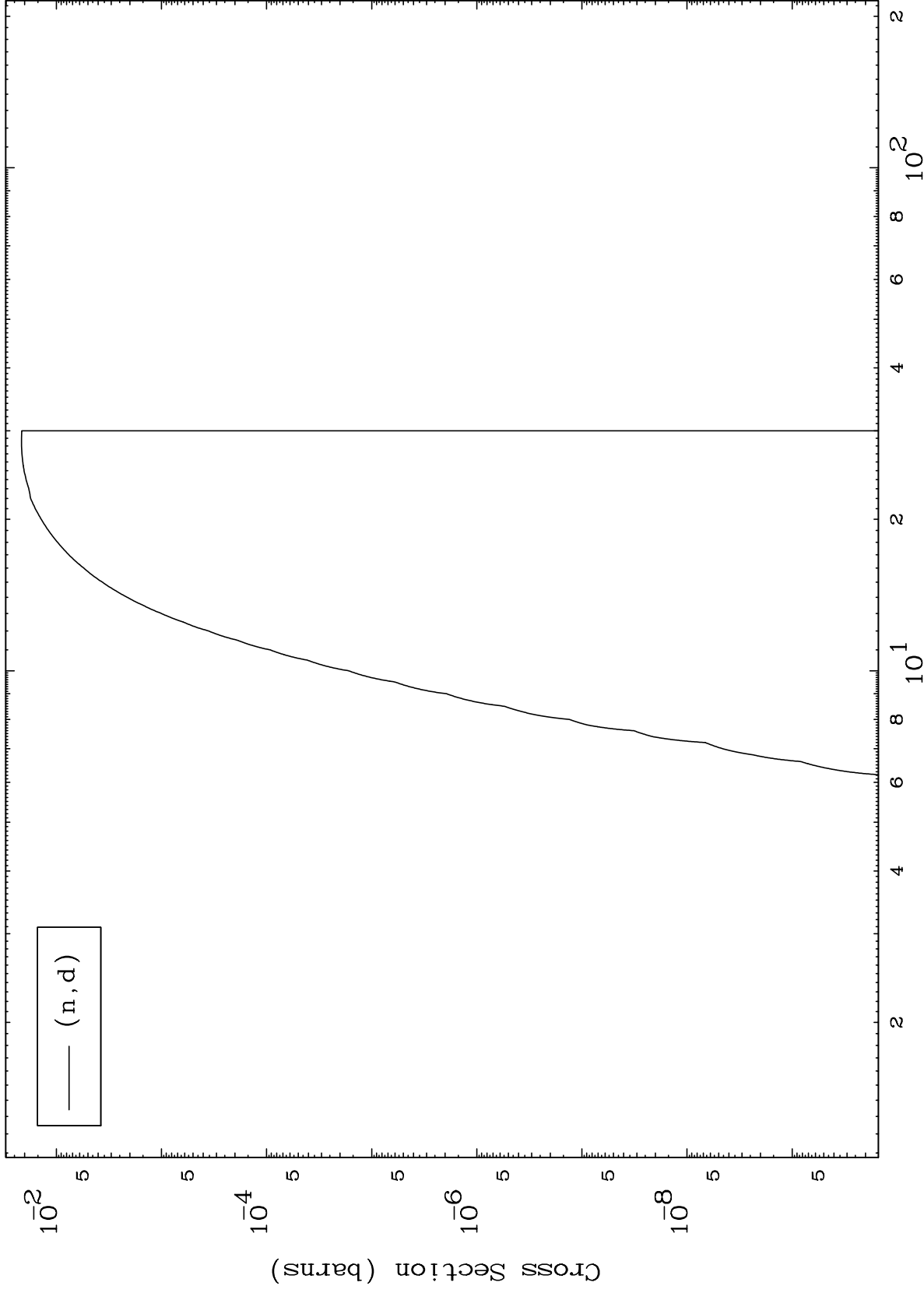
81-Tl-196



MAT 8105

(n,d) Levels
293 Kelvin Cross Sections

81-Tl-196



10

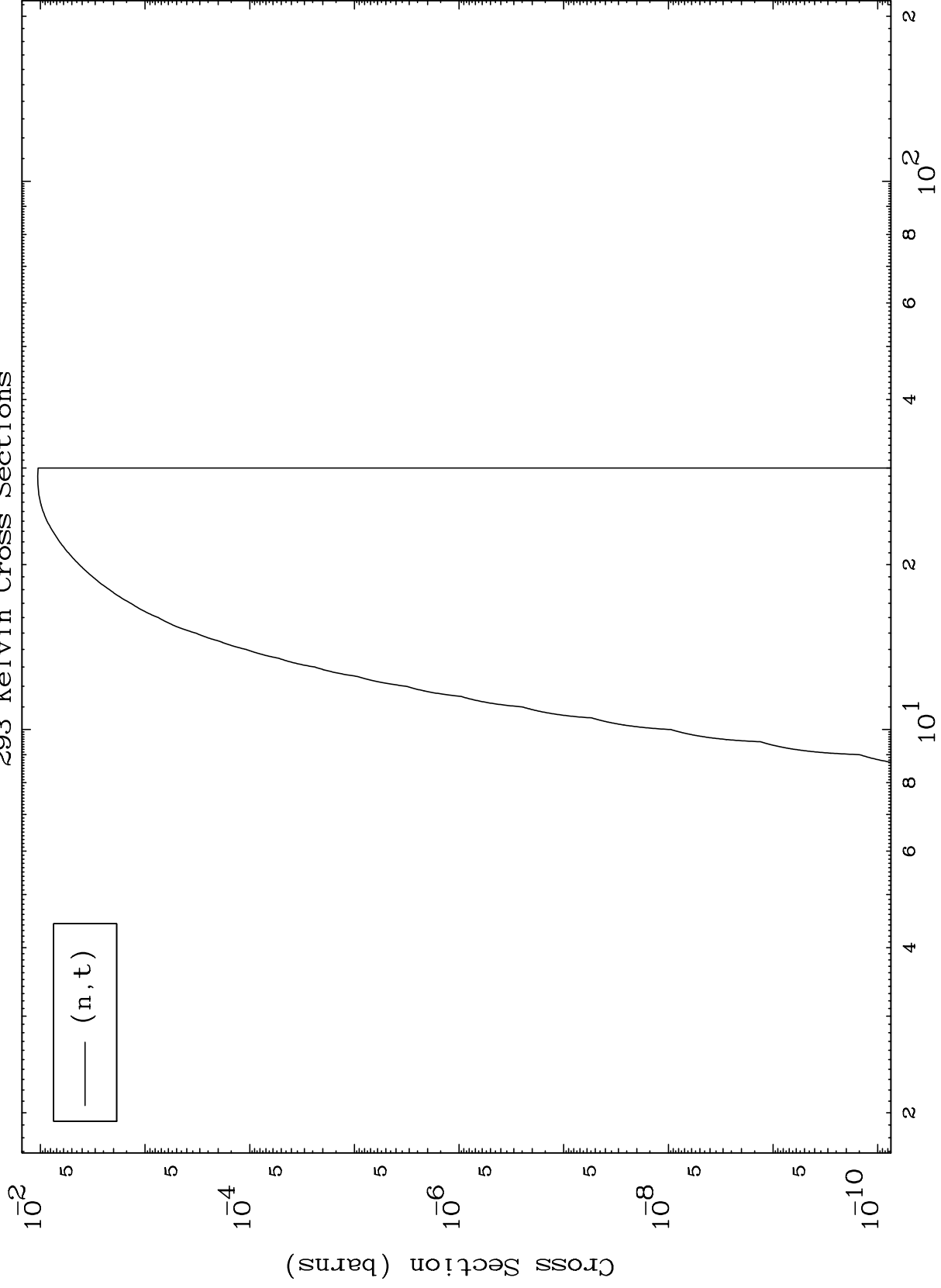
Incident Energy (MeV)

81-Tl-196

MAT 8105

(n,t) Levels
293 Kelvin Cross Sections

81-T1-196



11

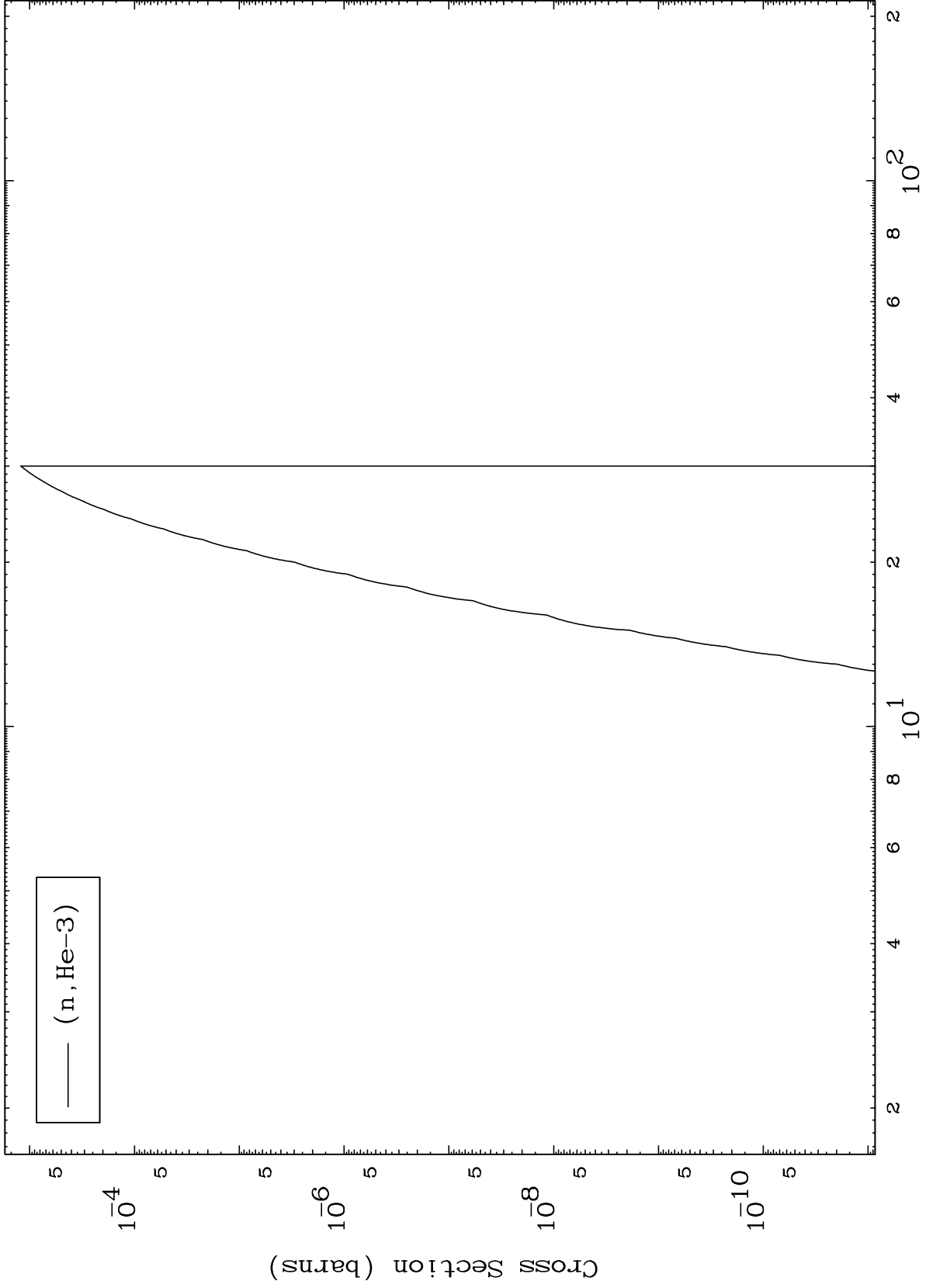
Incident Energy (MeV)

81-T1-196

MAT 8105

(n,He3) Levels
293 Kelvin Cross Sections

81-T1-196



12

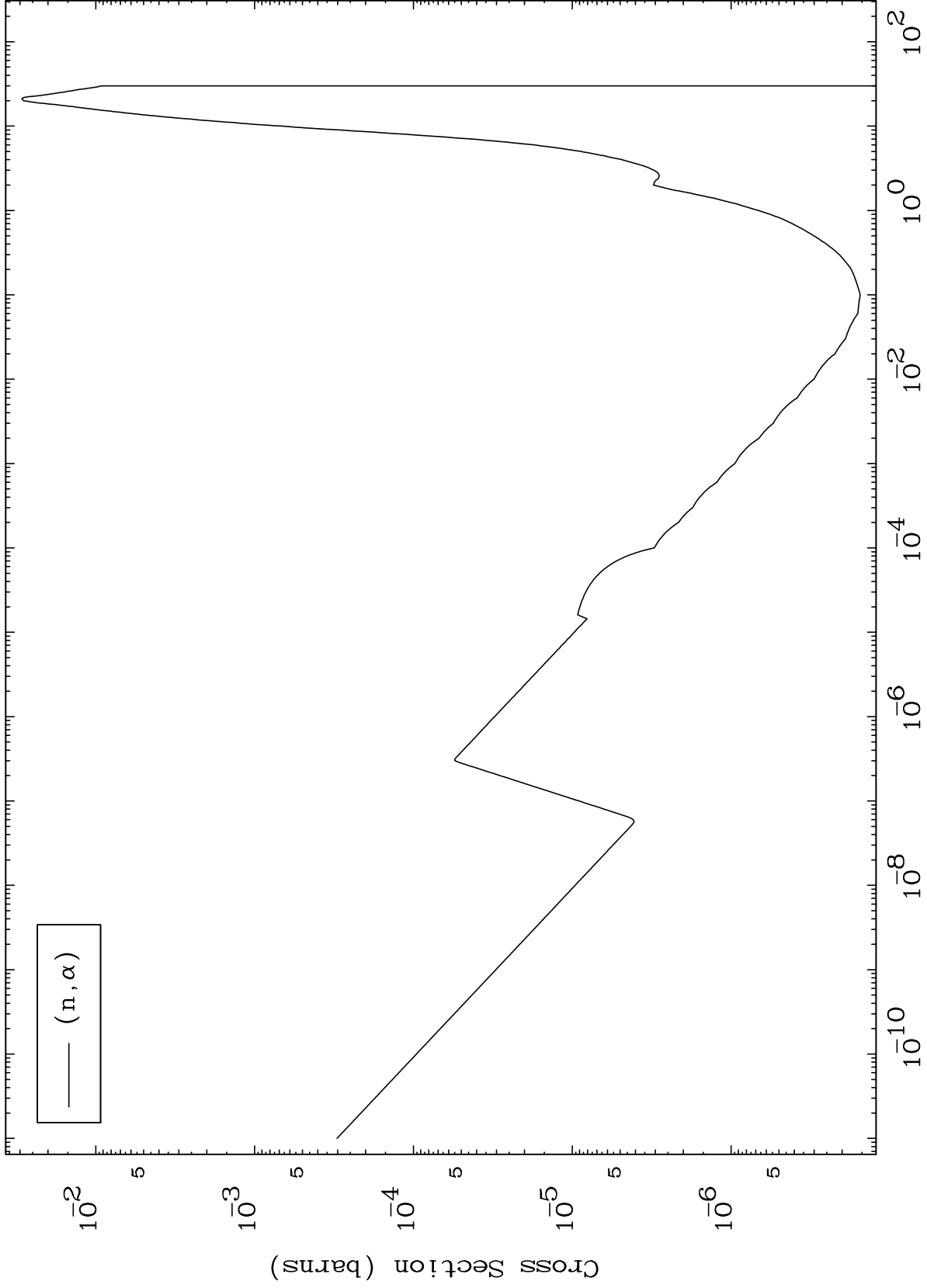
Incident Energy (MeV)

81-T1-196

MAT 8105

(n, α) Levels
293 Kelvin Cross Sections

81-Tl-196

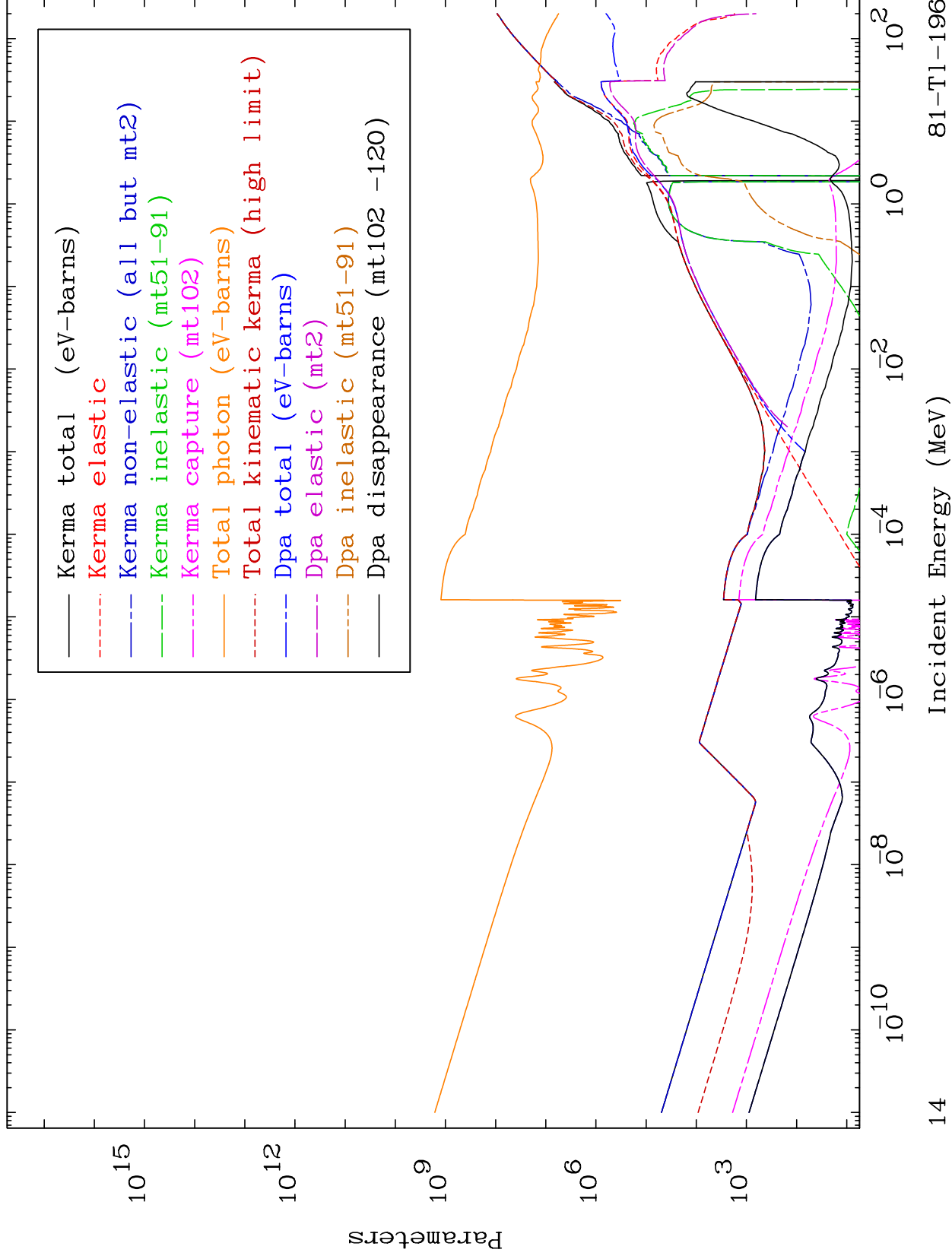


(n, α)

81-Tl-196

Incident Energy (MeV)

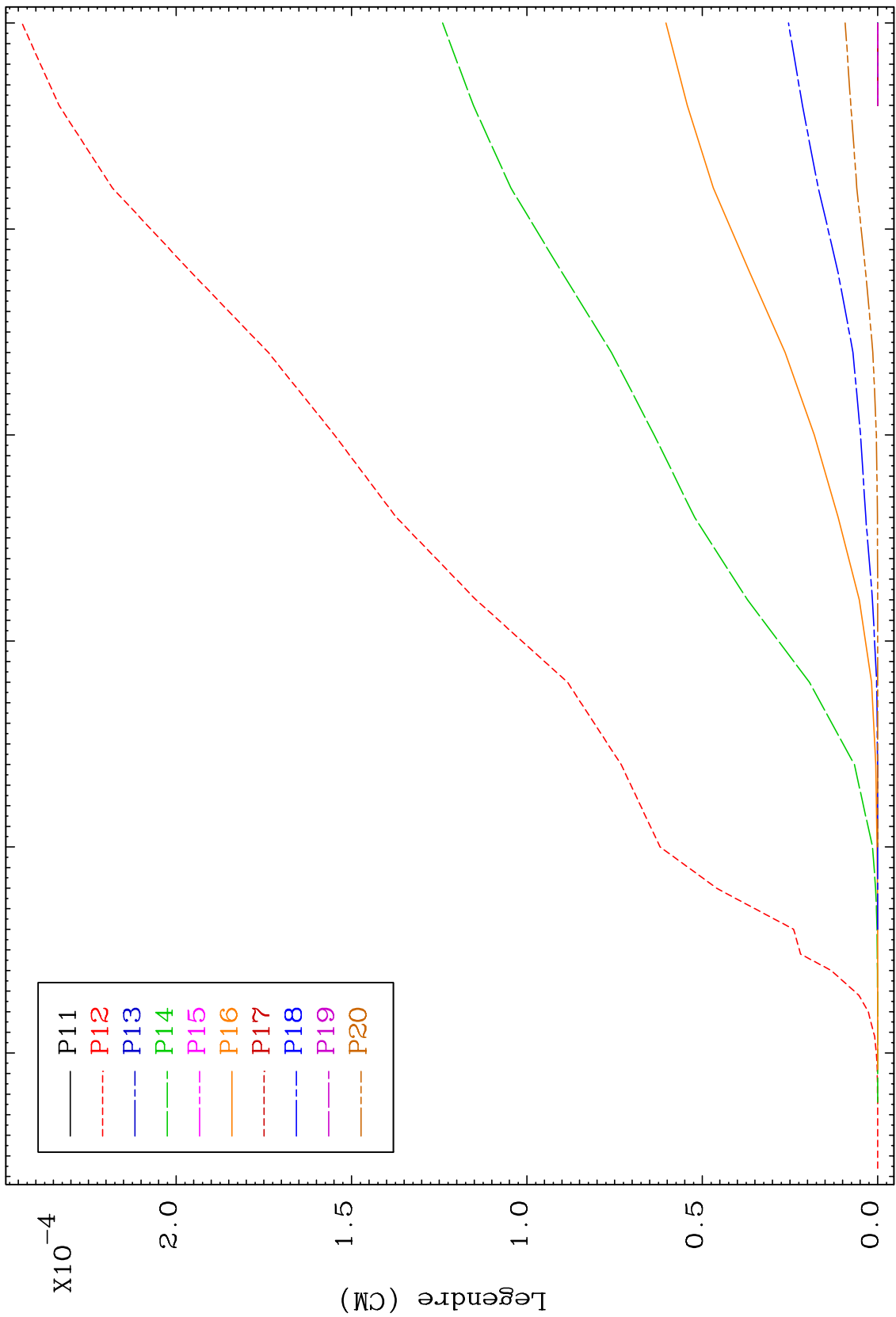
13



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Elastic Legendre Coefficients

81-T1-196



16

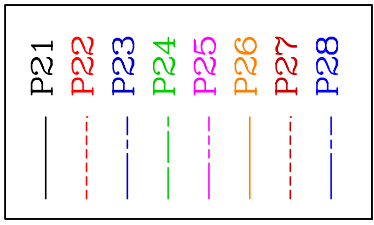
Incident Energy (MeV)

81-T1-196

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Elastic Legendre Coefficients

81-T1-196



$\times 10^{-6}$
1.5

Legendre (CM)

1.0

0.5

0.0

15

20

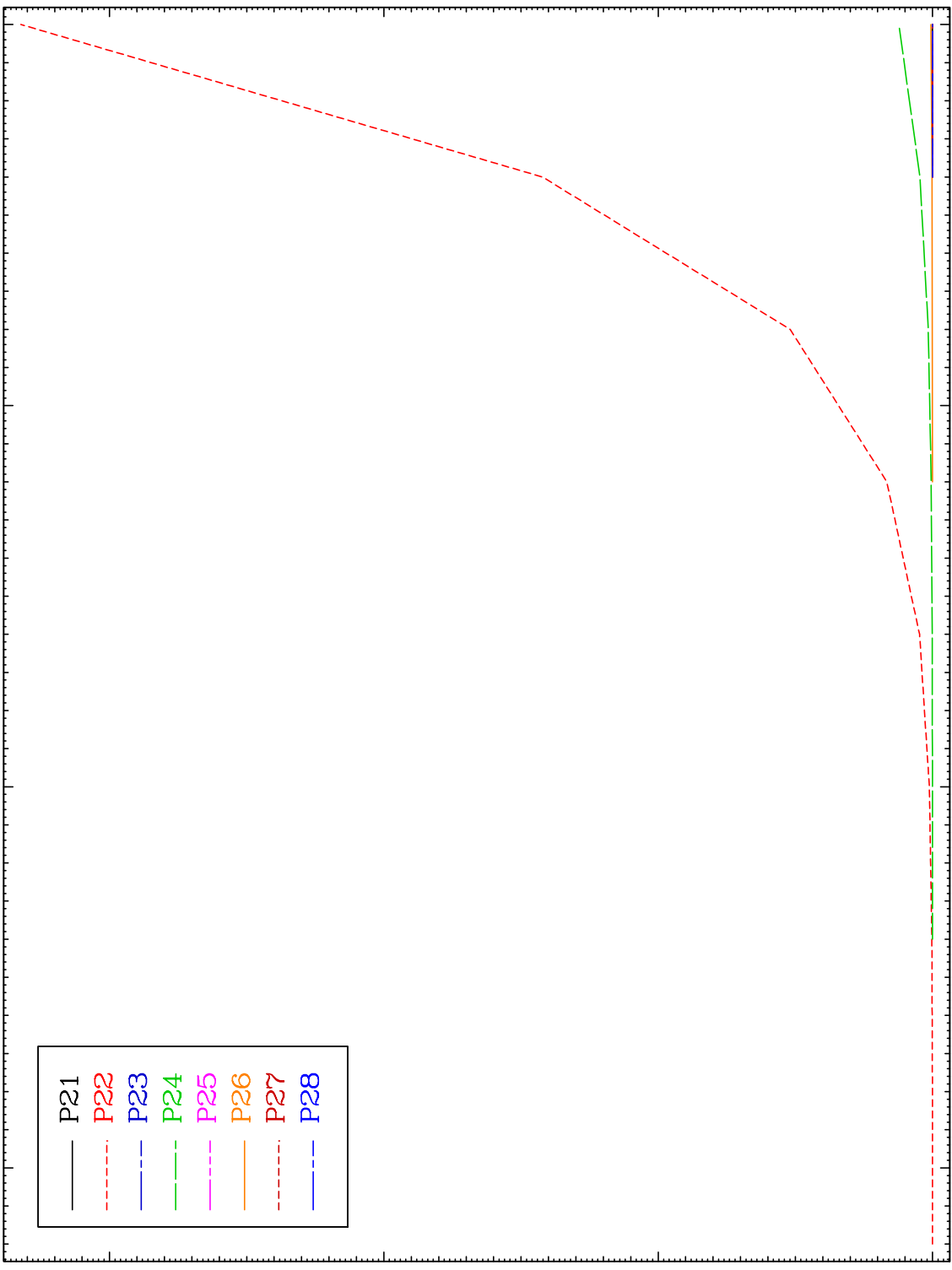
25

30

17

Incident Energy (MeV)

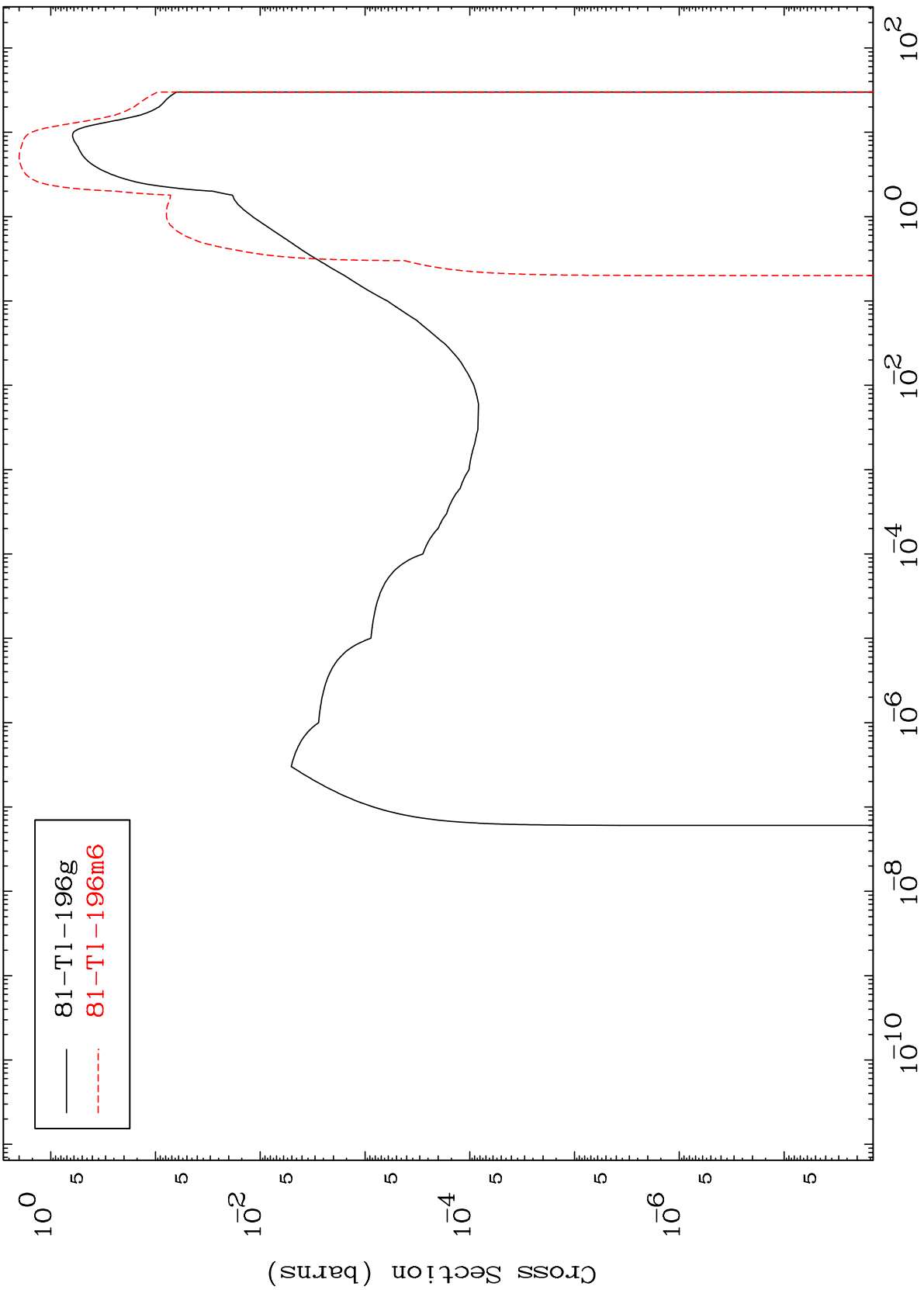
81-T1-196



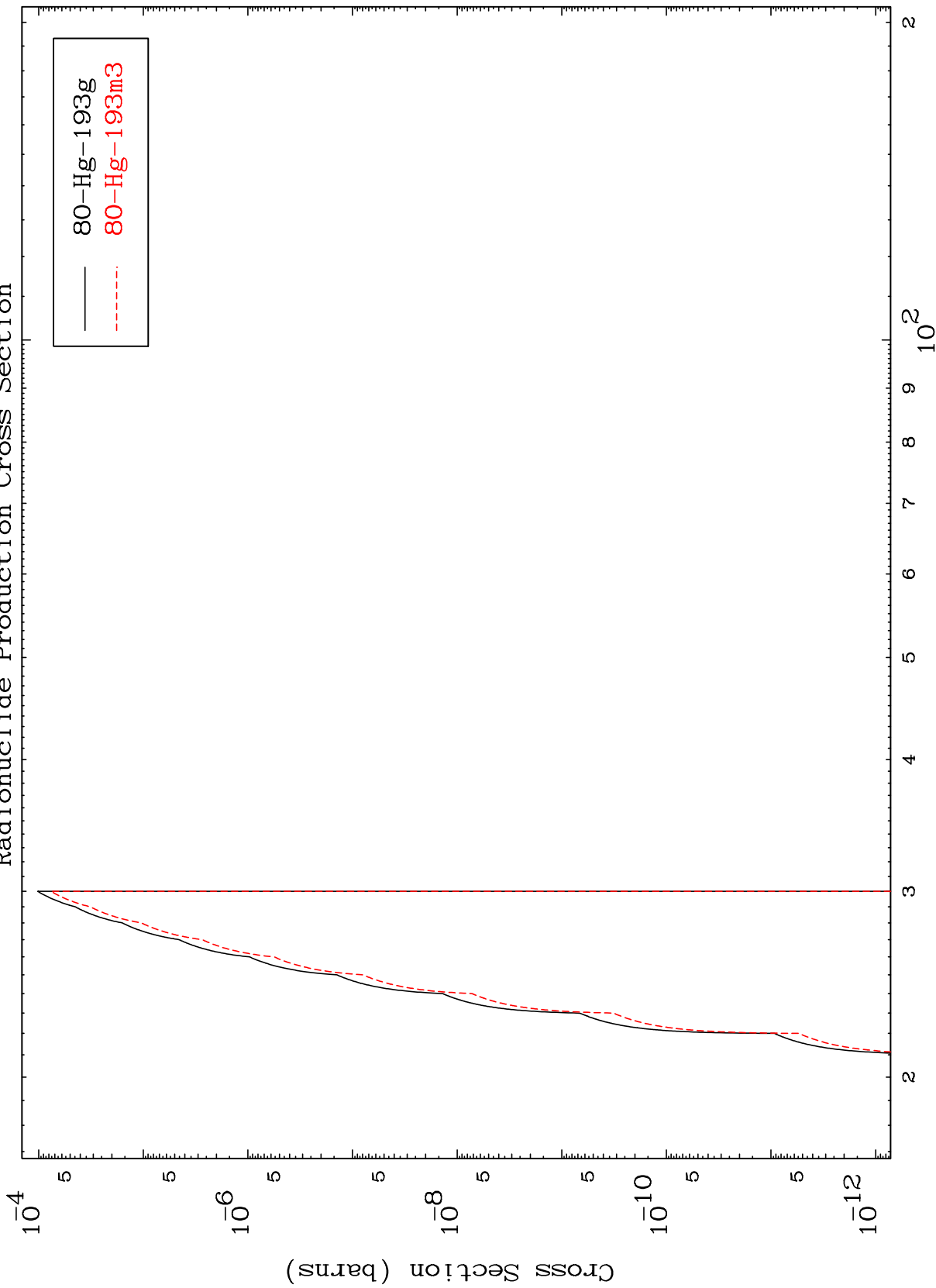
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81-Tl-196

Inelastic
Radionuclide Production Cross Section



Radionuclide Production Cross Section

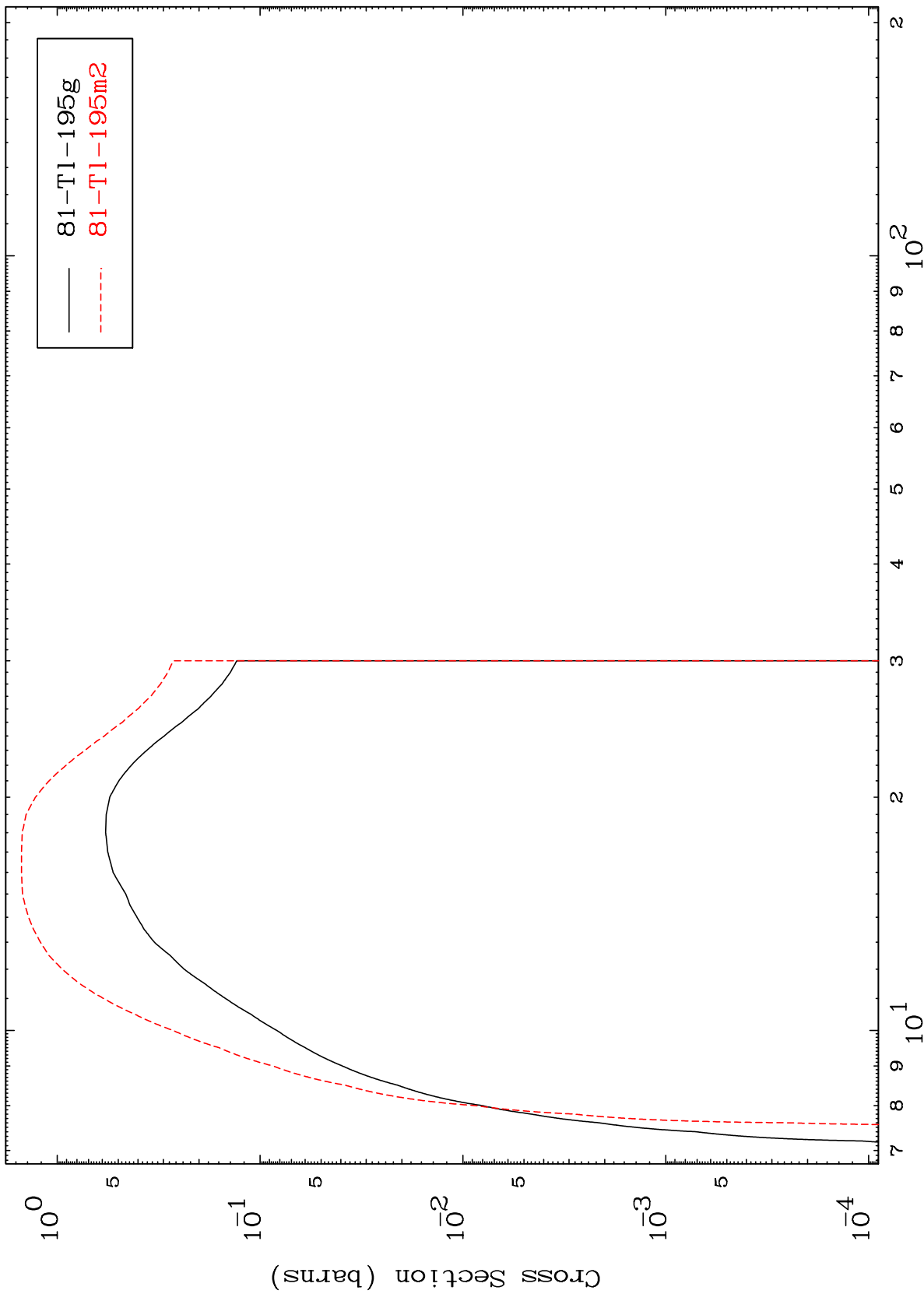


80-Hg-193g
80-Hg-193m3

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81-Tl-196

(n,2n)
Radionuclide Production Cross Section



81-Tl-196

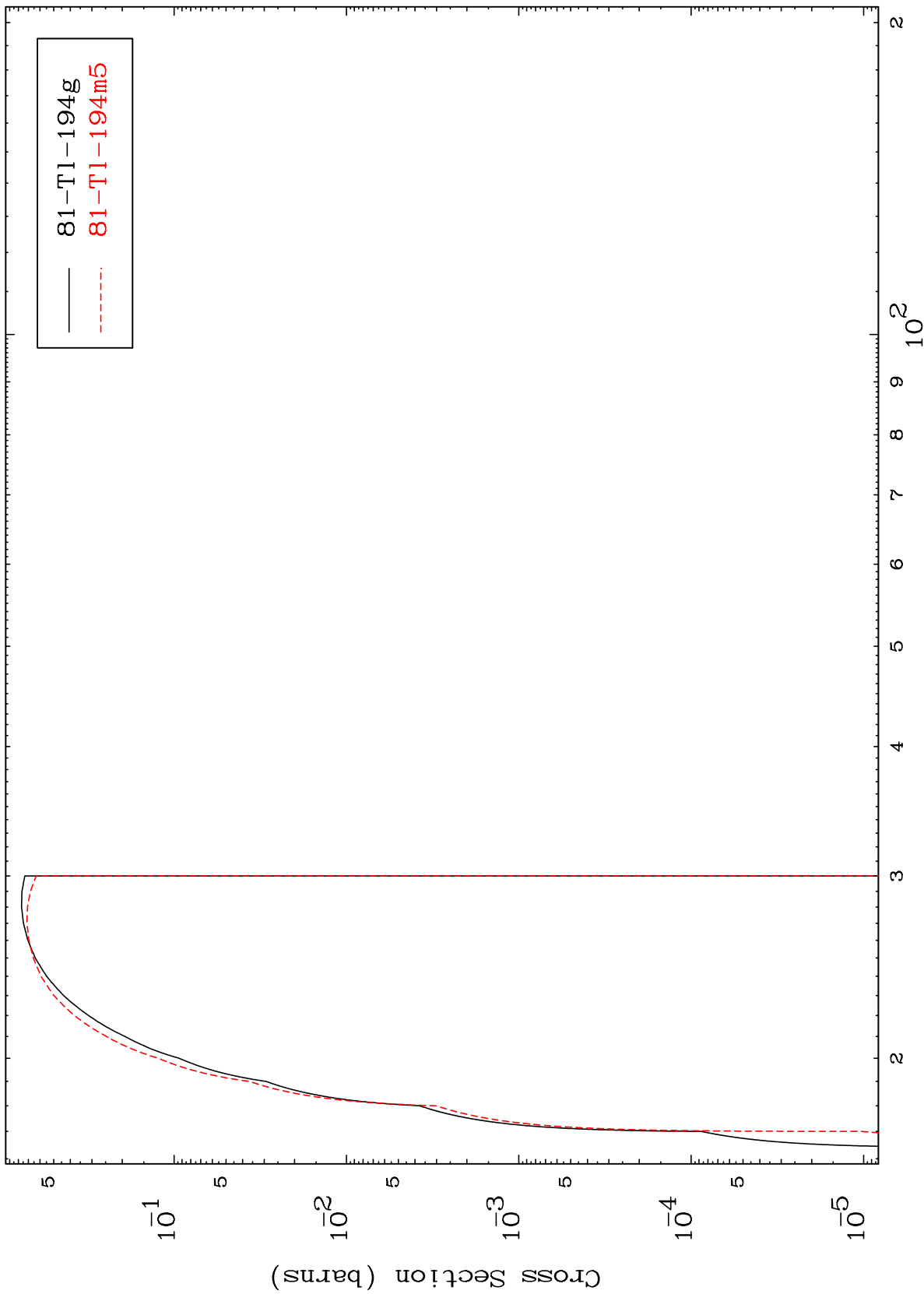
Incident Energy (MeV)

20

MAT 8105

81-Tl-196

(n,3n)
Radionuclide Production Cross Section



21

Incident Energy (MeV)

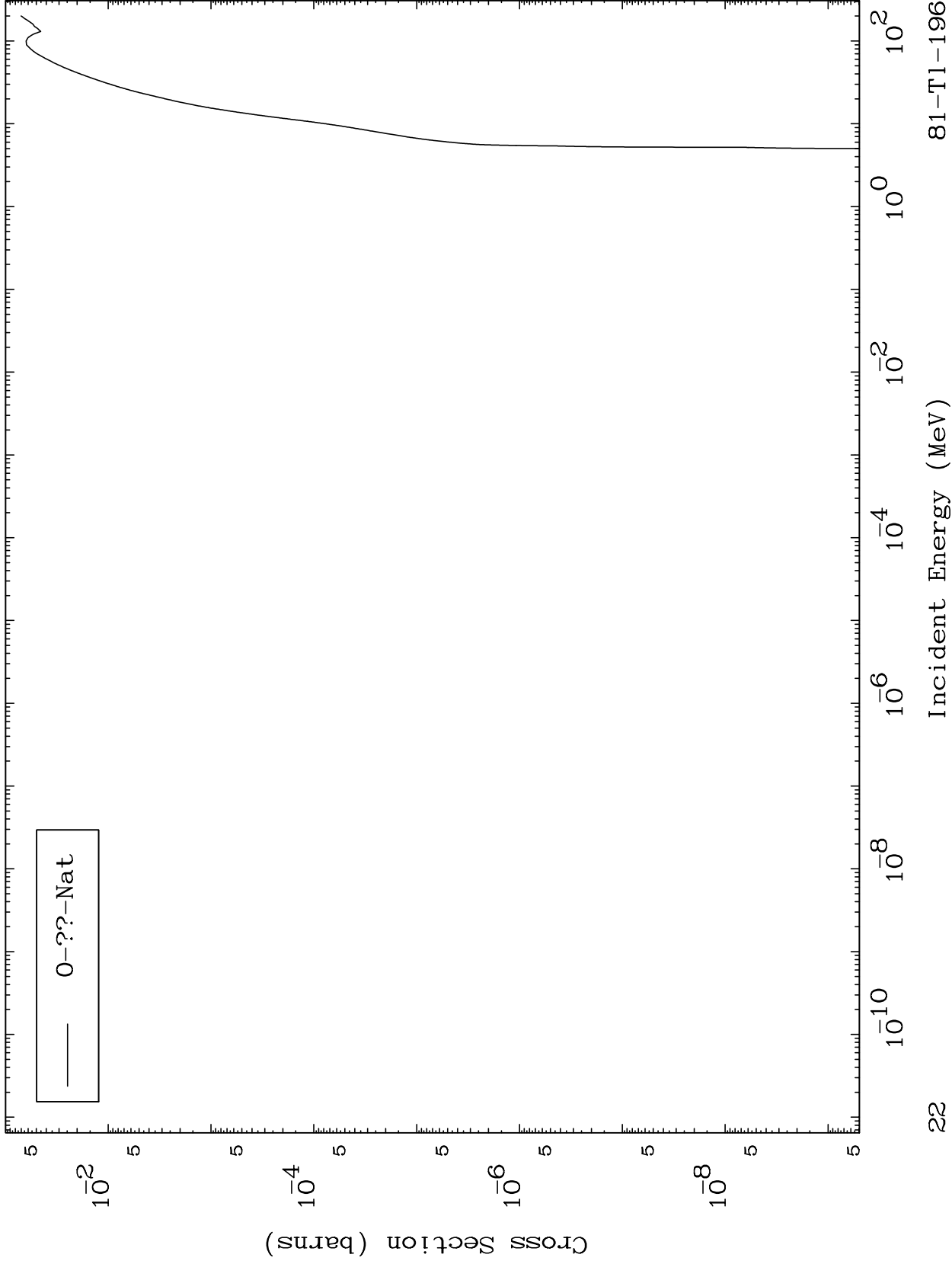
81-Tl-196

MAT 8105

Fission

81-Tl-196

Radionuclide Production Cross Section

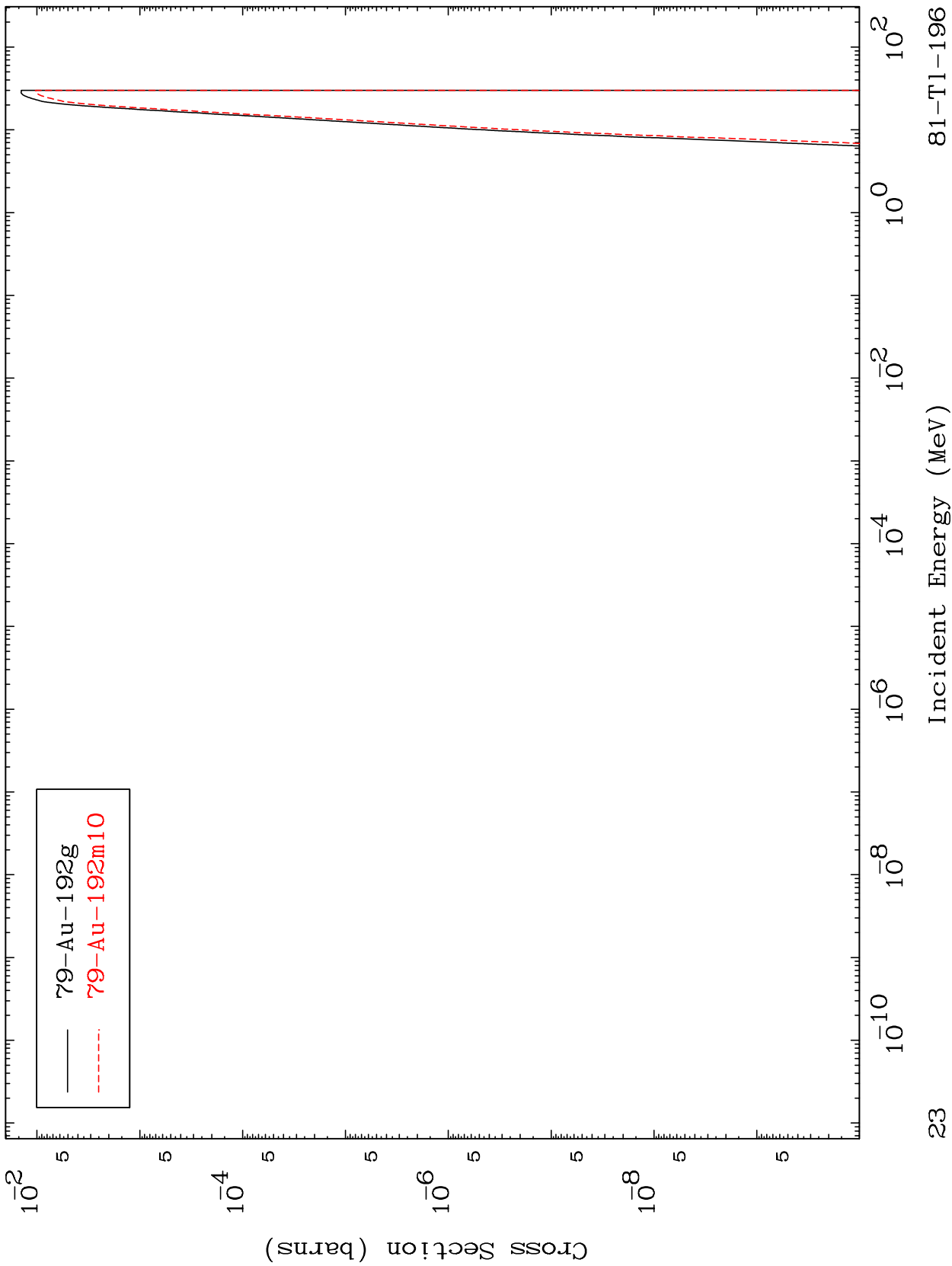


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$(n, n') \alpha$

81-Tl-196

Radionuclide Production Cross Section

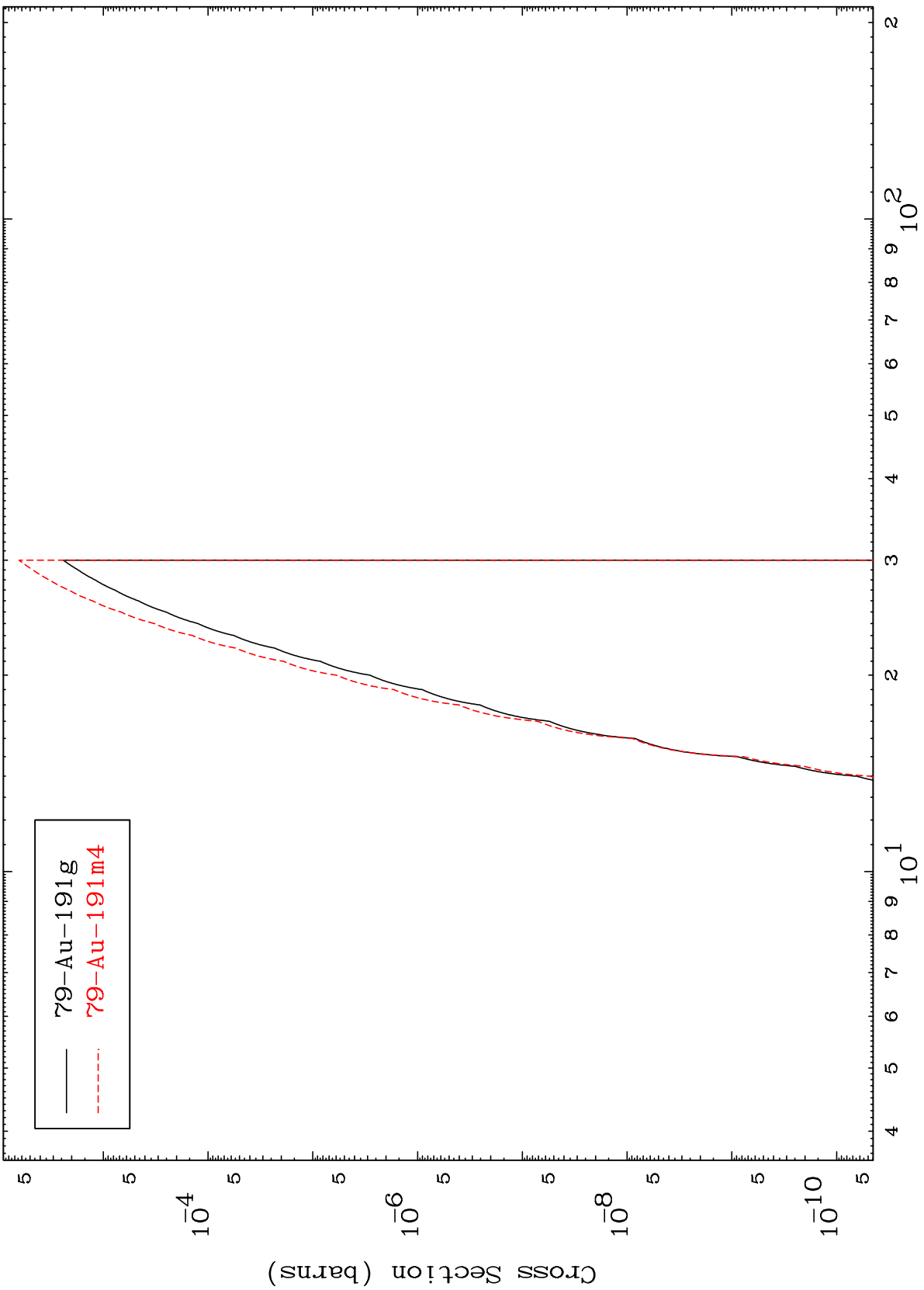


MAT 8105

(n,2n) α

81-Tl-196

Radionuclide Production Cross Section



24

Incident Energy (MeV)

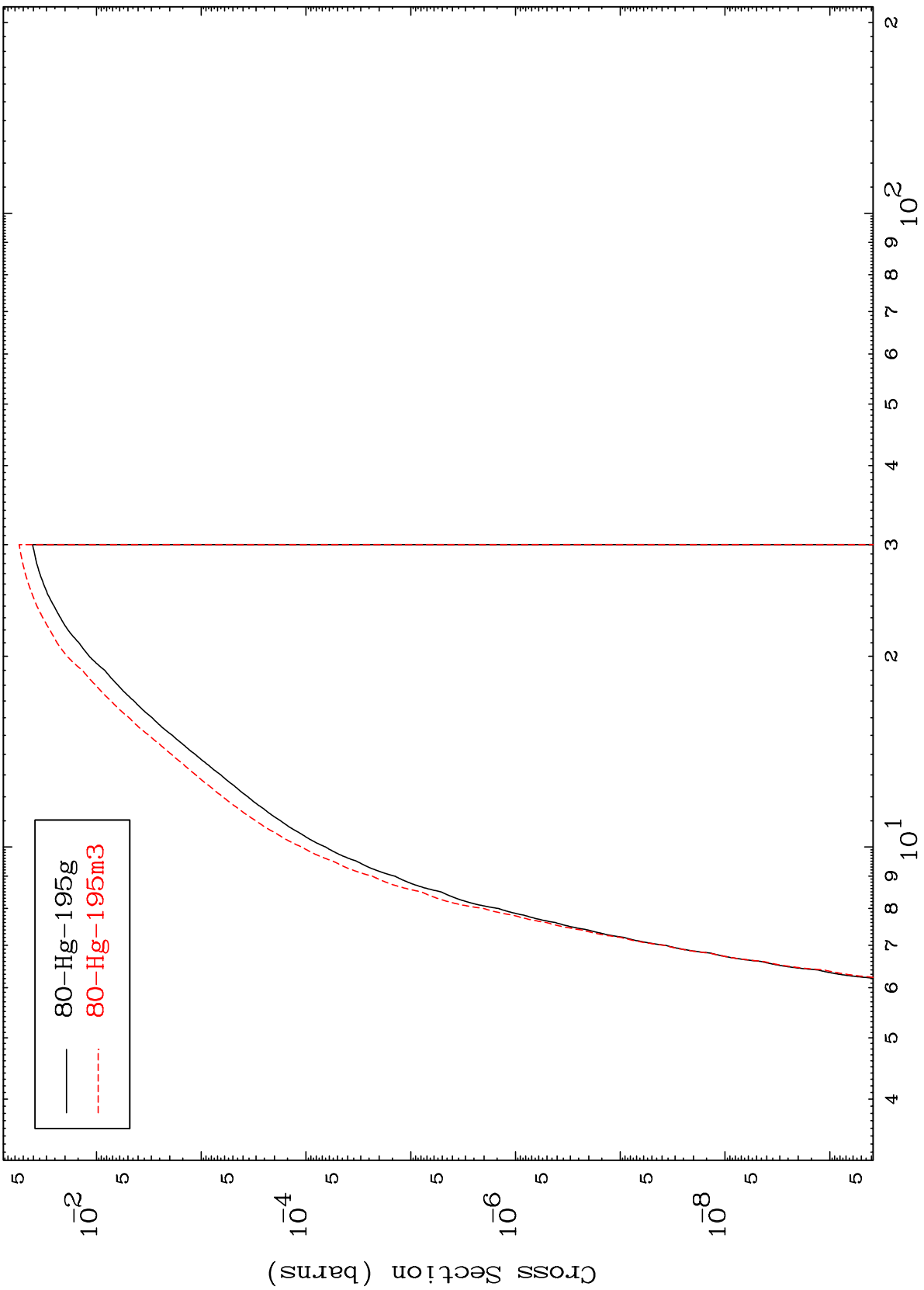
81-Tl-196

MAT 8105

81-Tl-196

(n,n') p

Radionuclide Production Cross Section



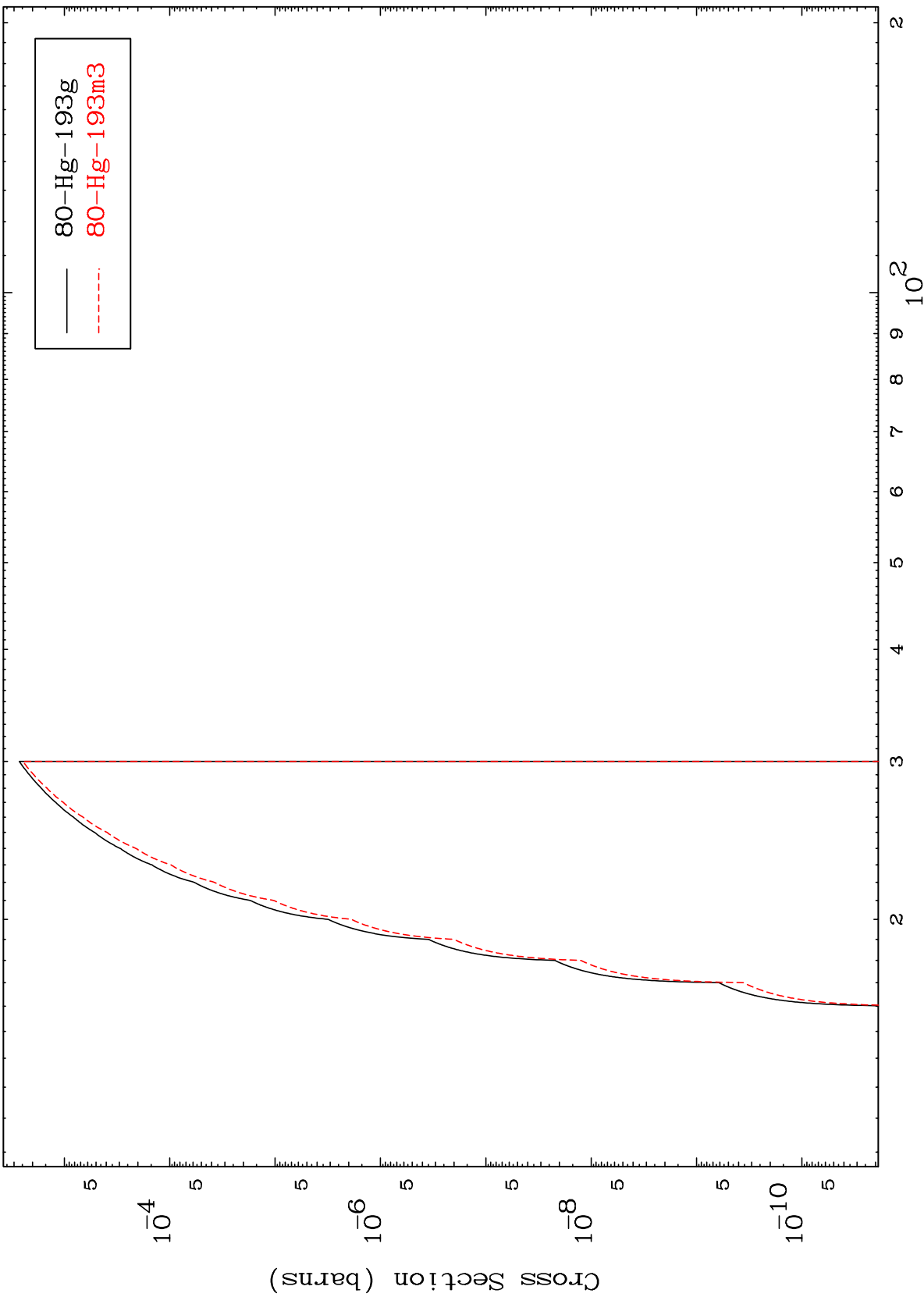
80-Hg-195g
80-Hg-195m3

25

Incident Energy (MeV)

81-Tl-196

Radionuclide Production Cross Section

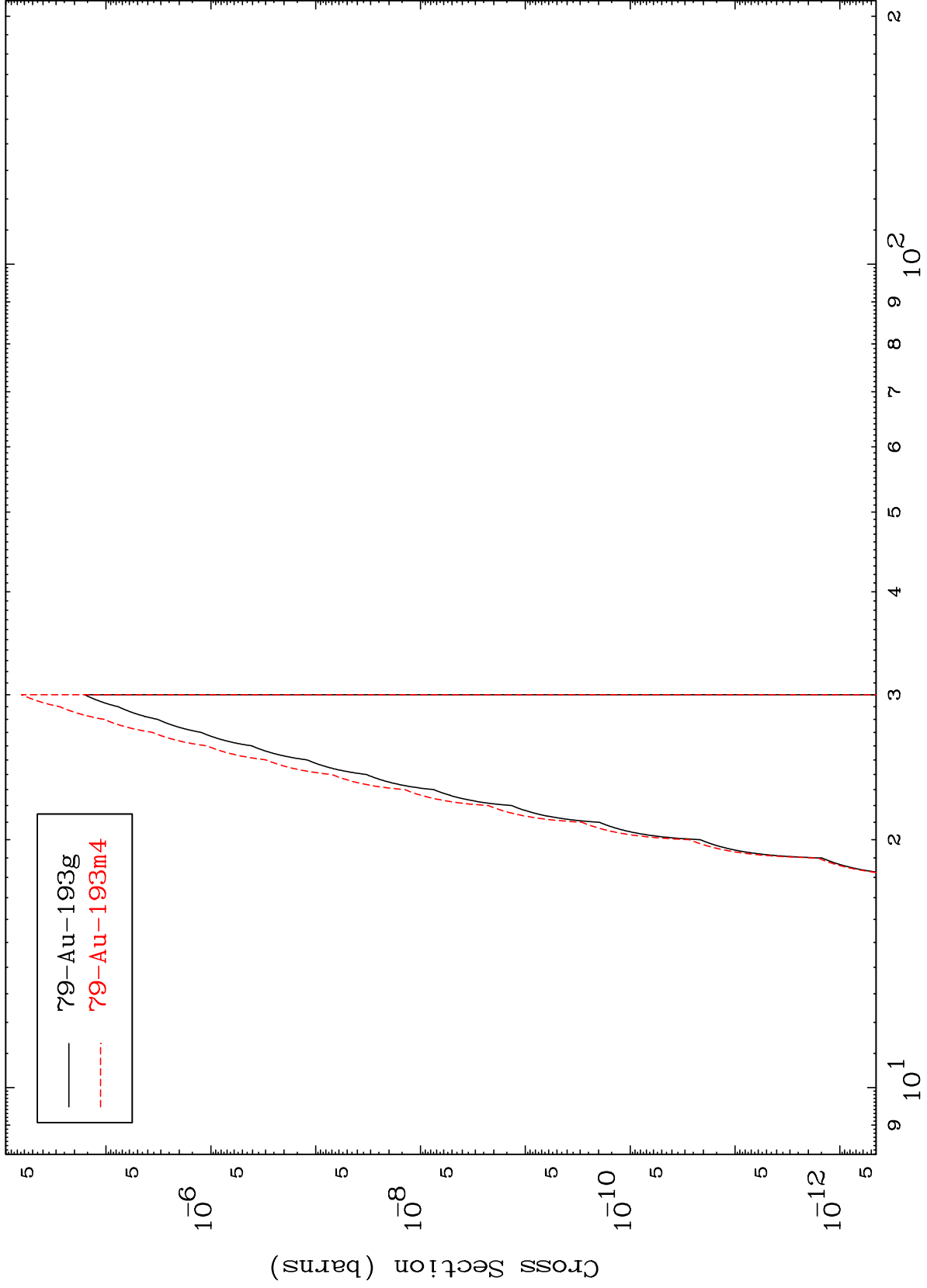


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(n,n') He-3

81-T1-196

Radionuclide Production Cross Section

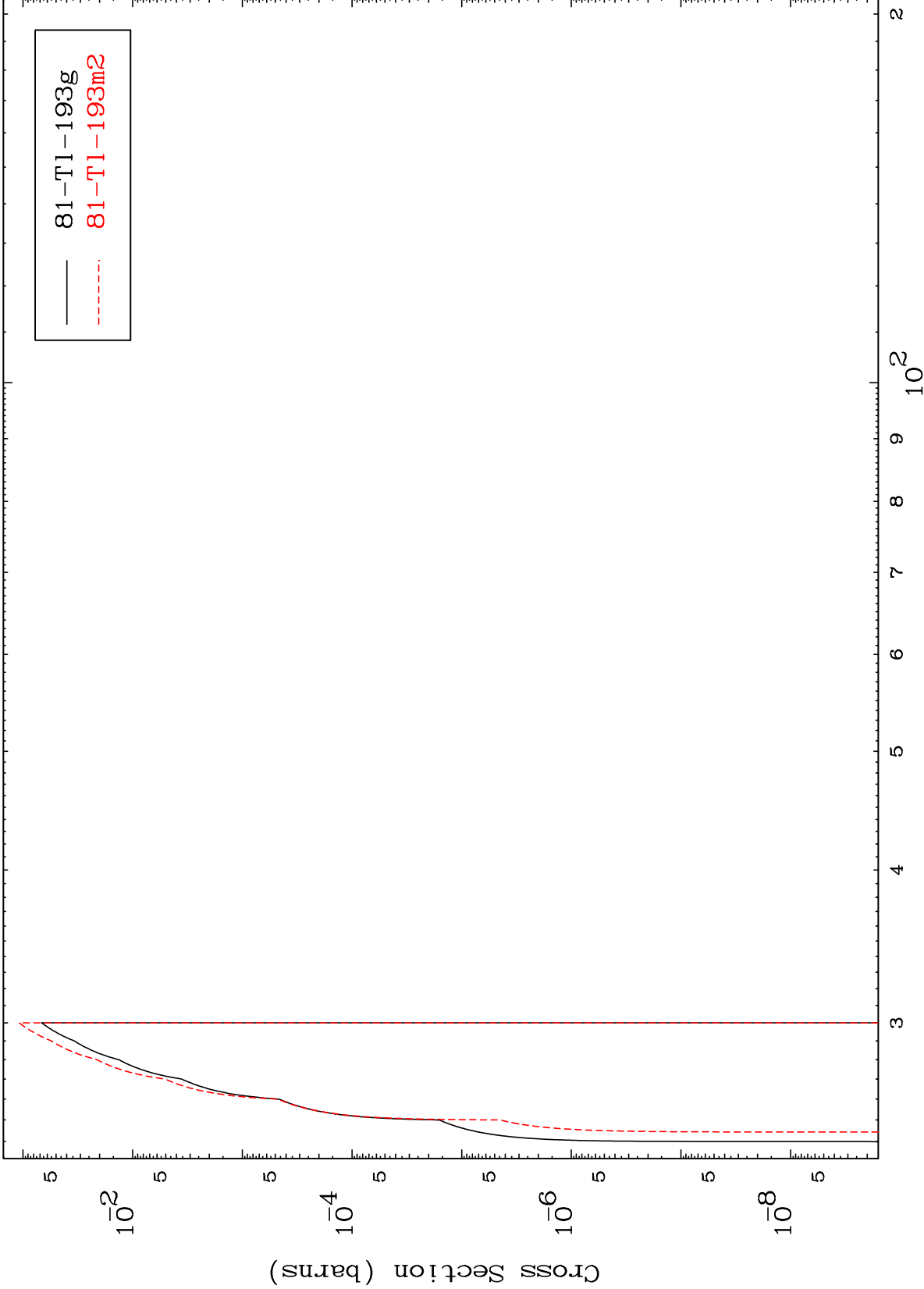


27

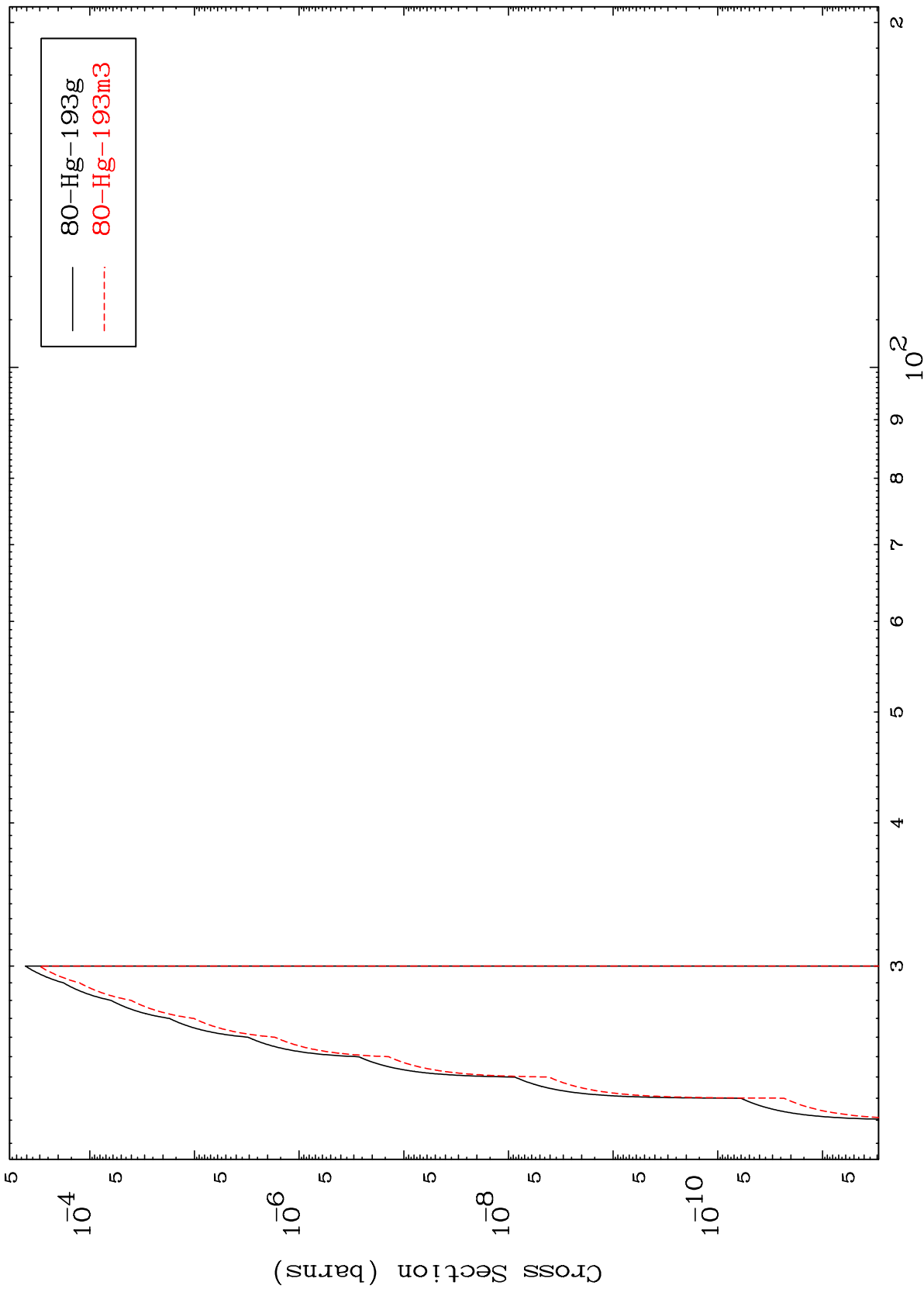
Incident Energy (MeV)

81-T1-196

Radionuclide Production Cross Section



Radionuclide Production Cross Section

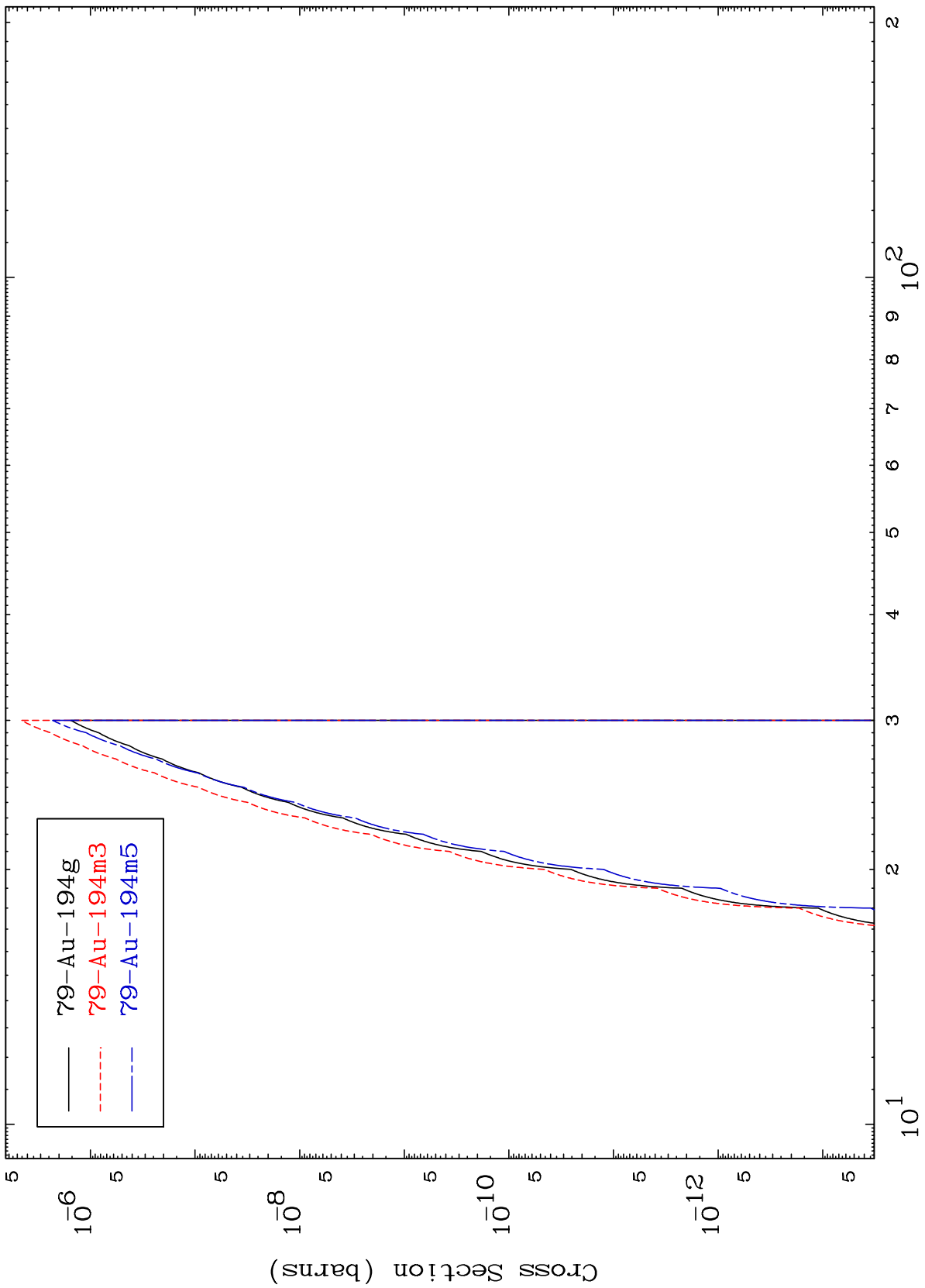


MAT 8105

(n,2n) p

81-Tl-196

Radionuclide Production Cross Section

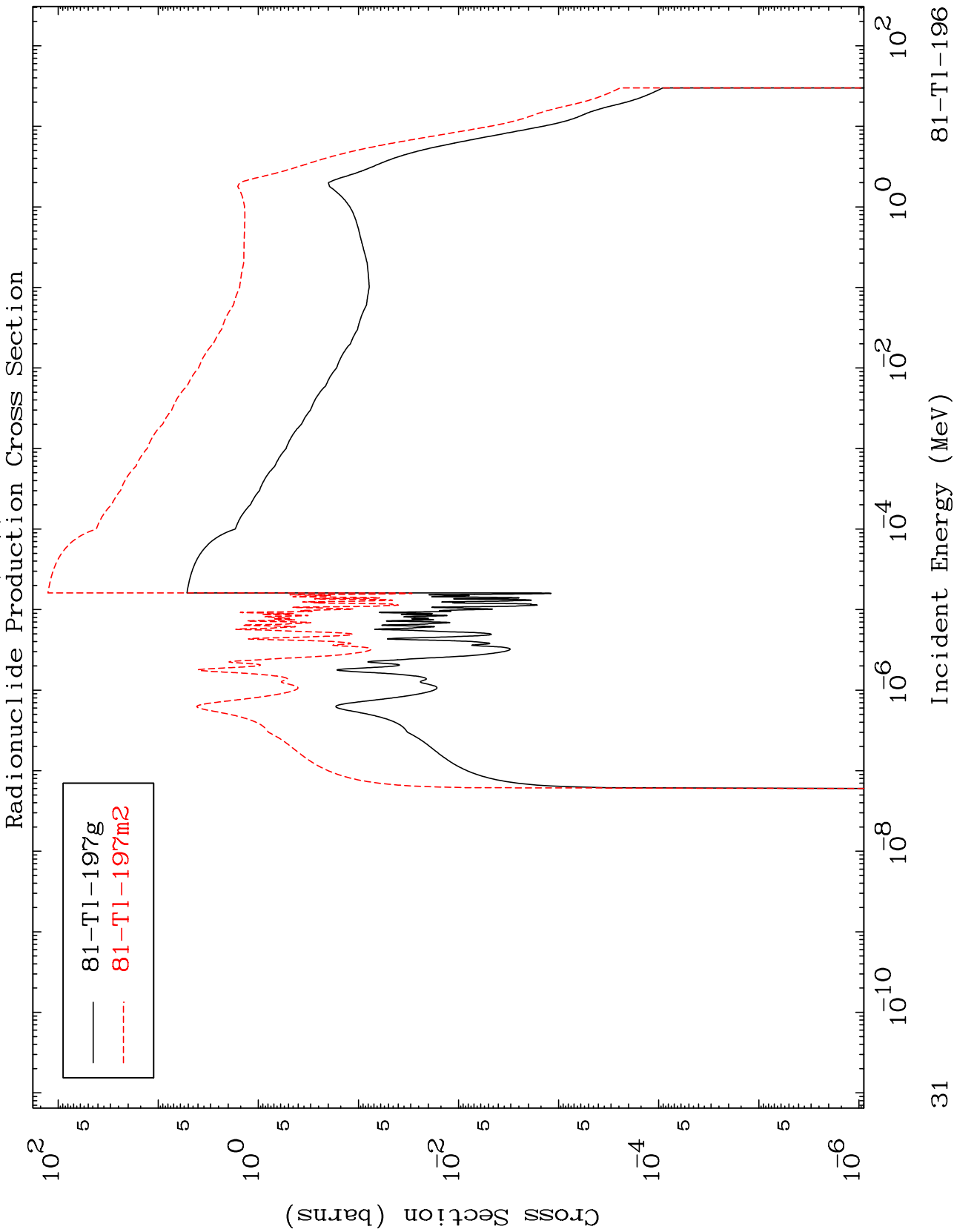


Incident Energy (MeV)

81-Tl-196

MAT 8105

81-Tl-196

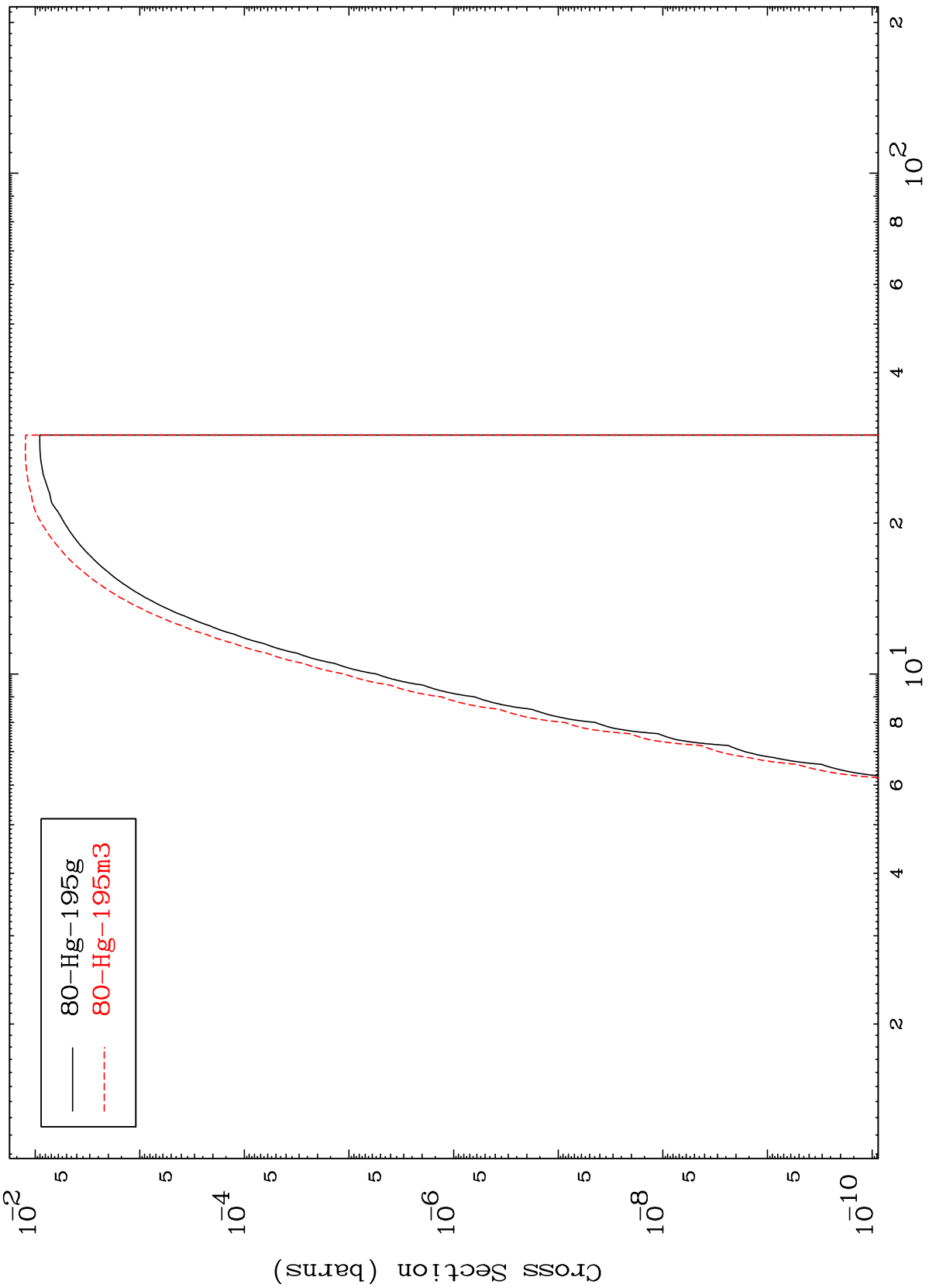


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(n,d)

81-Tl-196

Radionuclide Production Cross Section



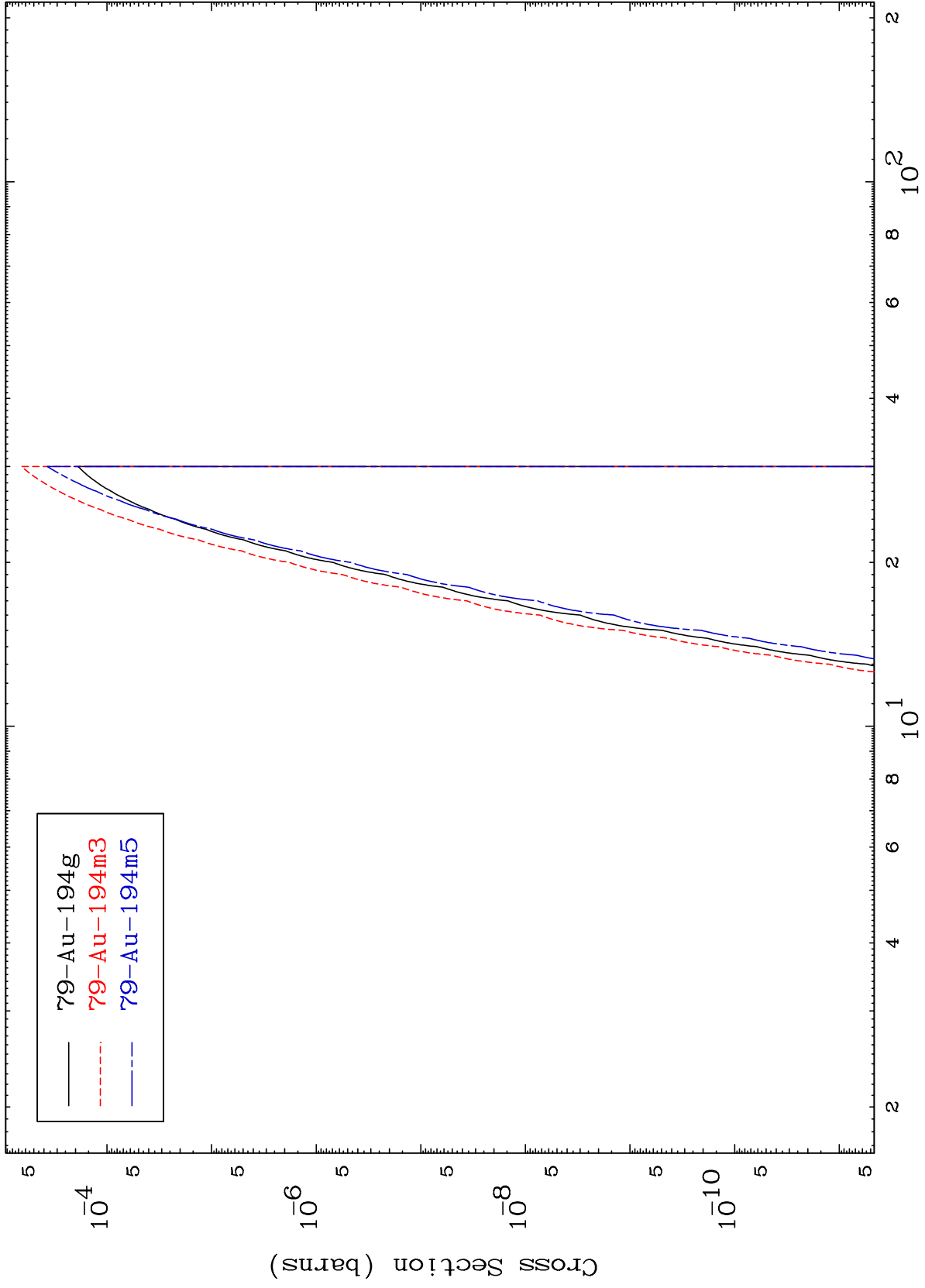
80-Hg-195g
80-Hg-195m3

MAT 8105

(n,He-3)

81-Tl-196

Radionuclide Production Cross Section



33

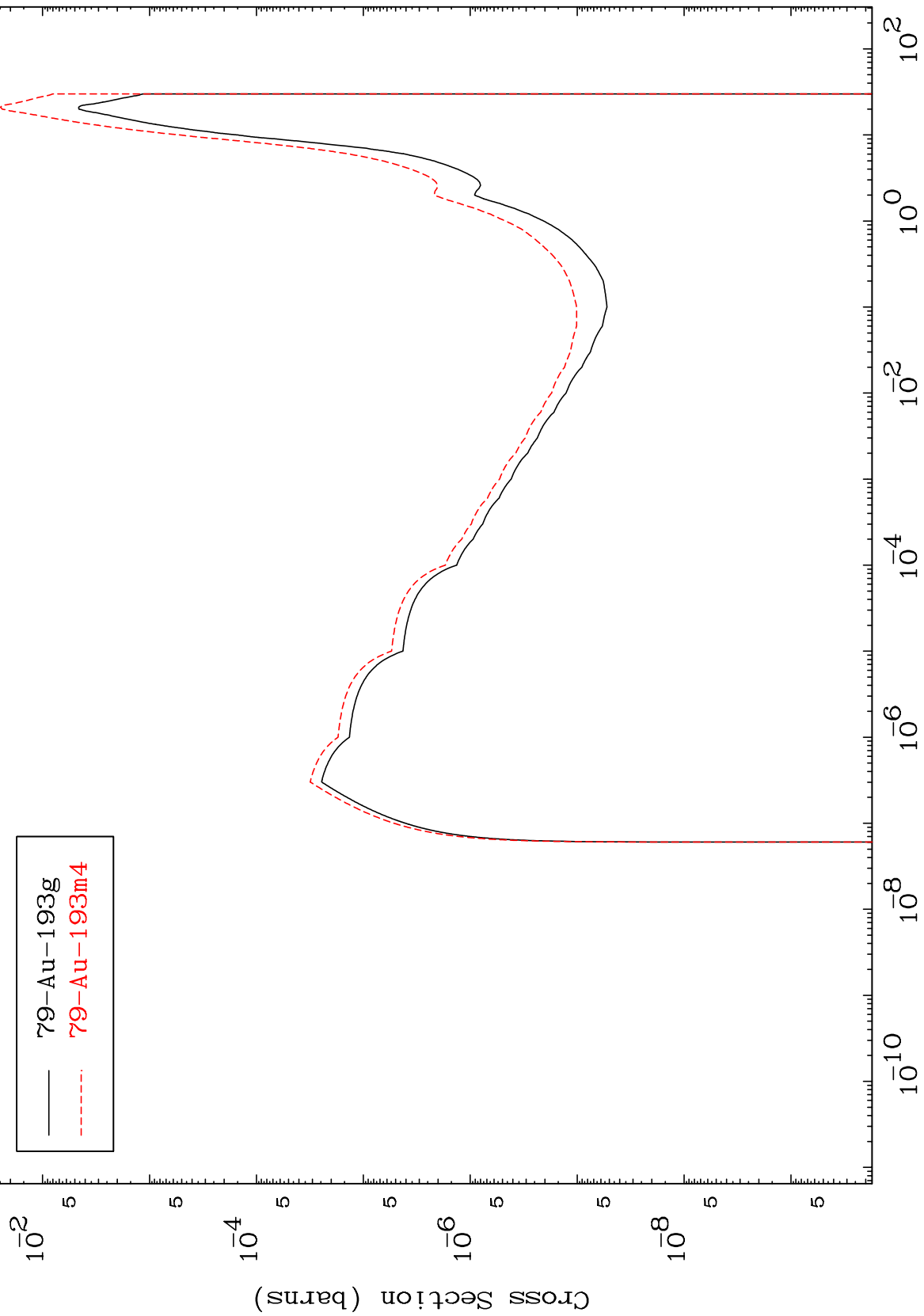
Incident Energy (MeV)

81-Tl-196

MAT 8105

81-Tl-196

Radionuclide Production Cross Section



79-Au-193g
79-Au-193m4

81-Tl-196

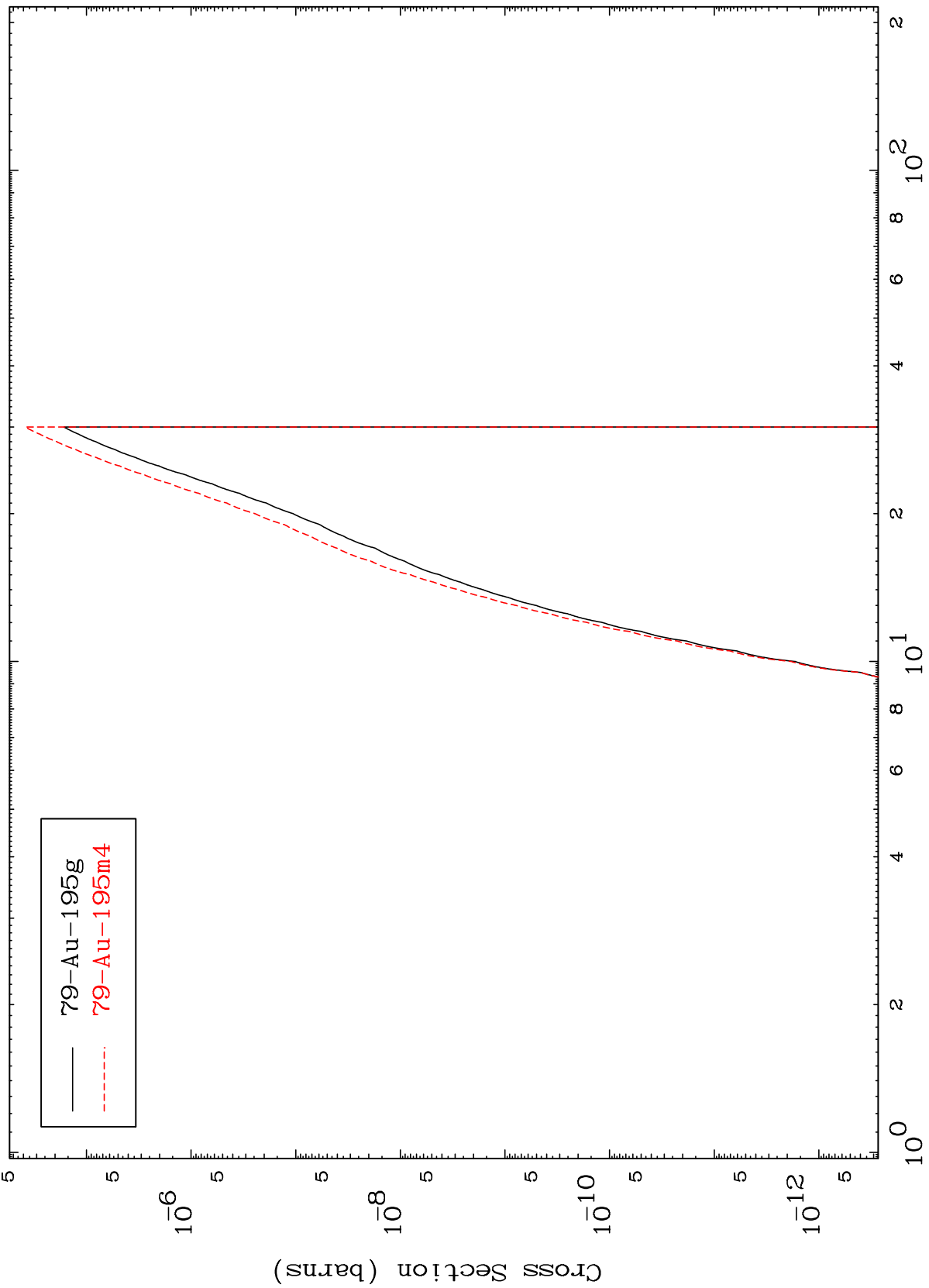
Incident Energy (MeV)

34

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81-Tl-196

(n,2p)
Radionuclide Production Cross Section

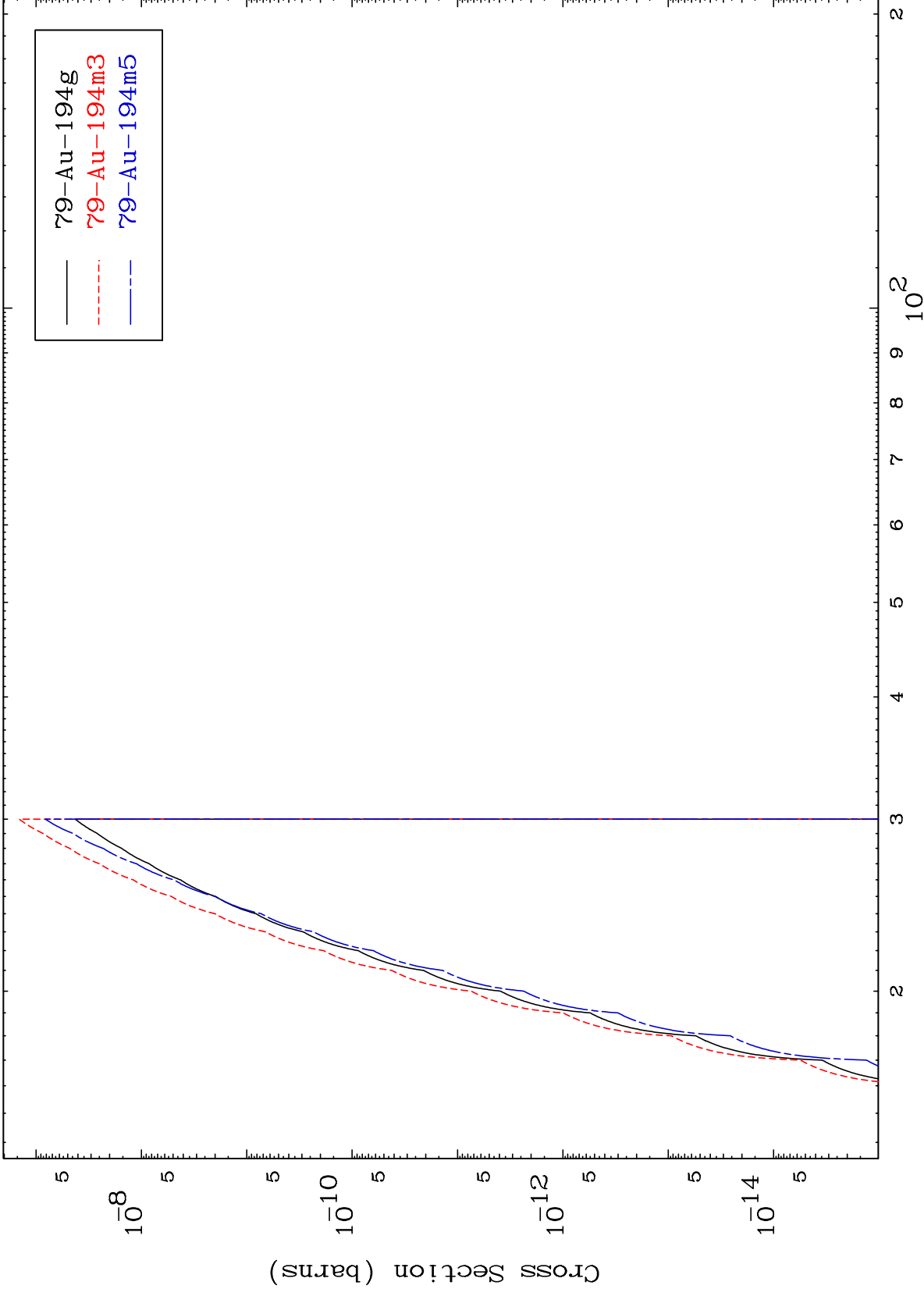


35

Incident Energy (MeV)

81-Tl-196

Radionuclide Production Cross Section

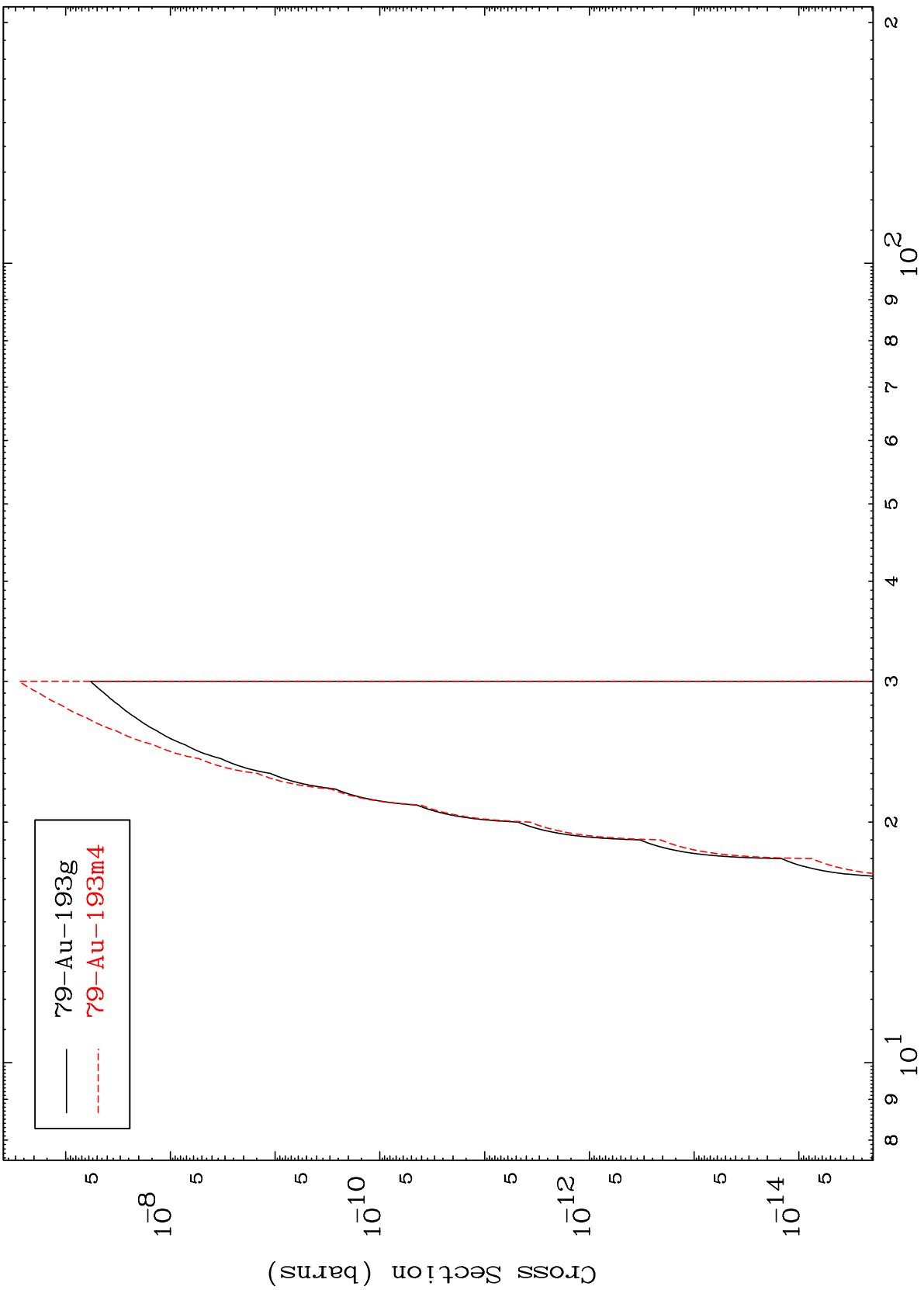


MAT 8105

(n,p) t

81-Tl-196

Radionuclide Production Cross Section



37

Incident Energy (MeV)

81-Tl-196