

Program EVALPLOT
(Version 2015-2)

by

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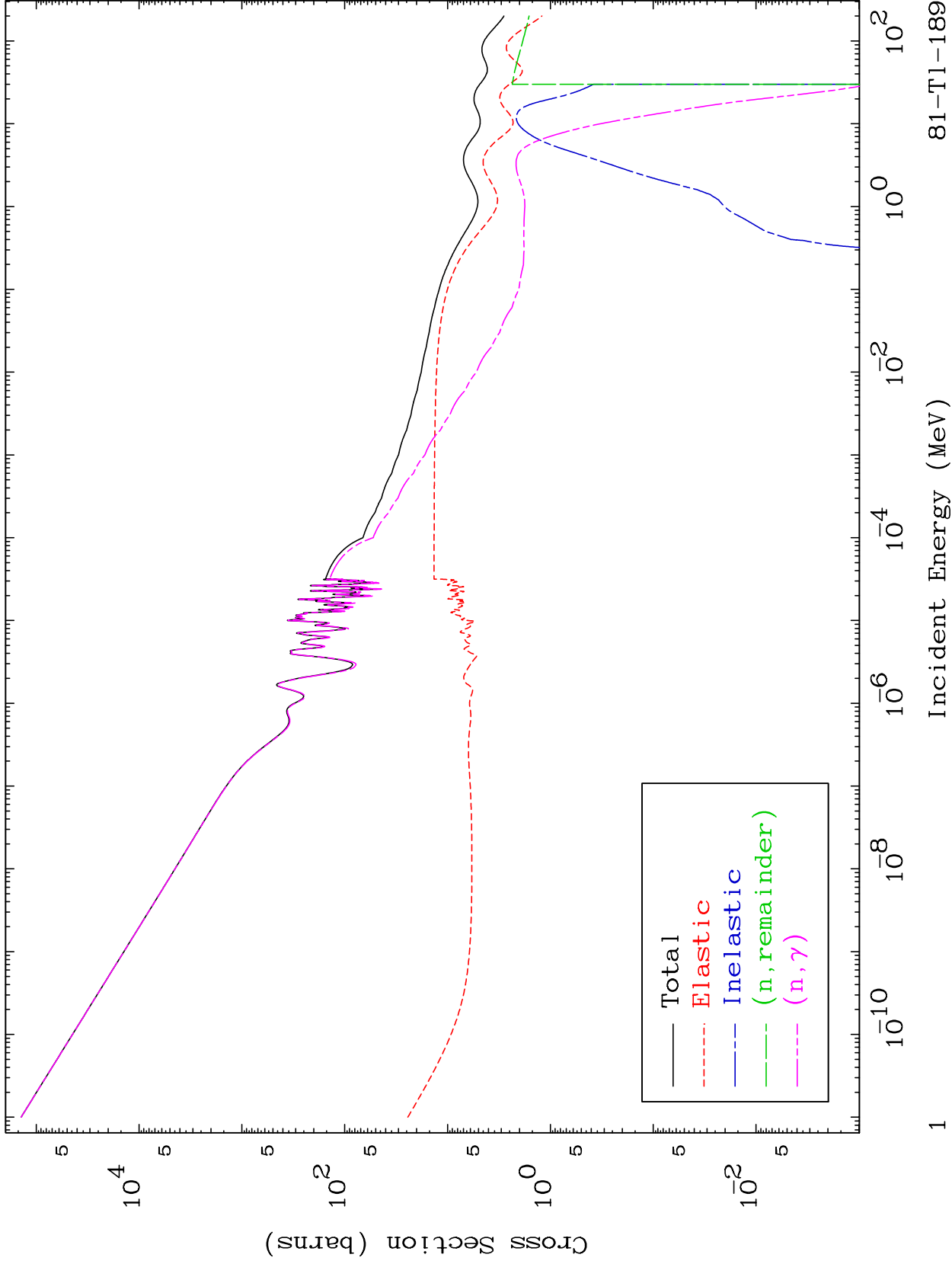
Press Mouse Button to Start

MAT 8084

Major

293 Kelvin Cross Sections

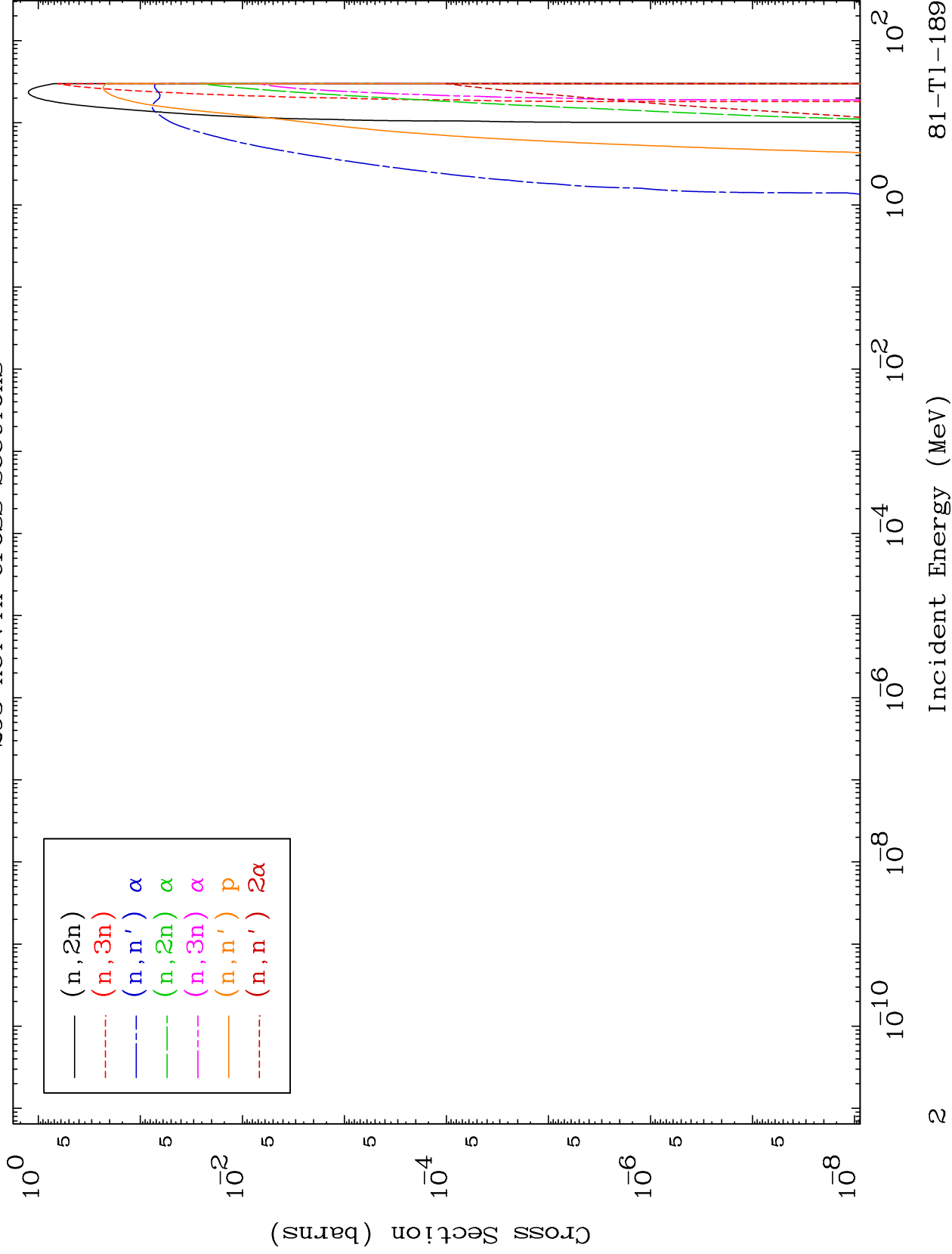
81-Tl-189



MAT 8084

Neutron Production
293 Kelvin Cross Sections

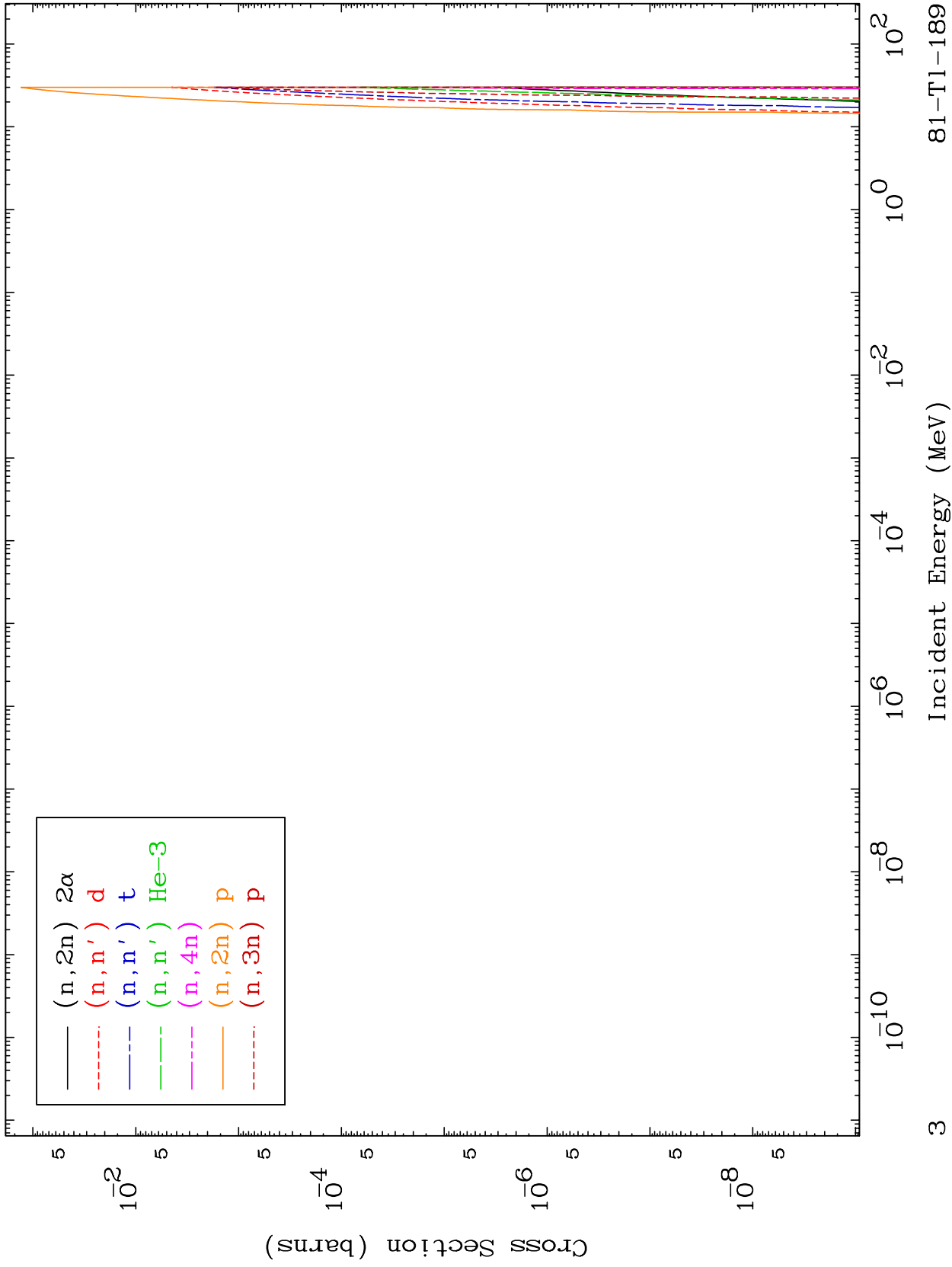
81-Tl-189



MAT 8084

Neutron Production
293 Kelvin Cross Sections

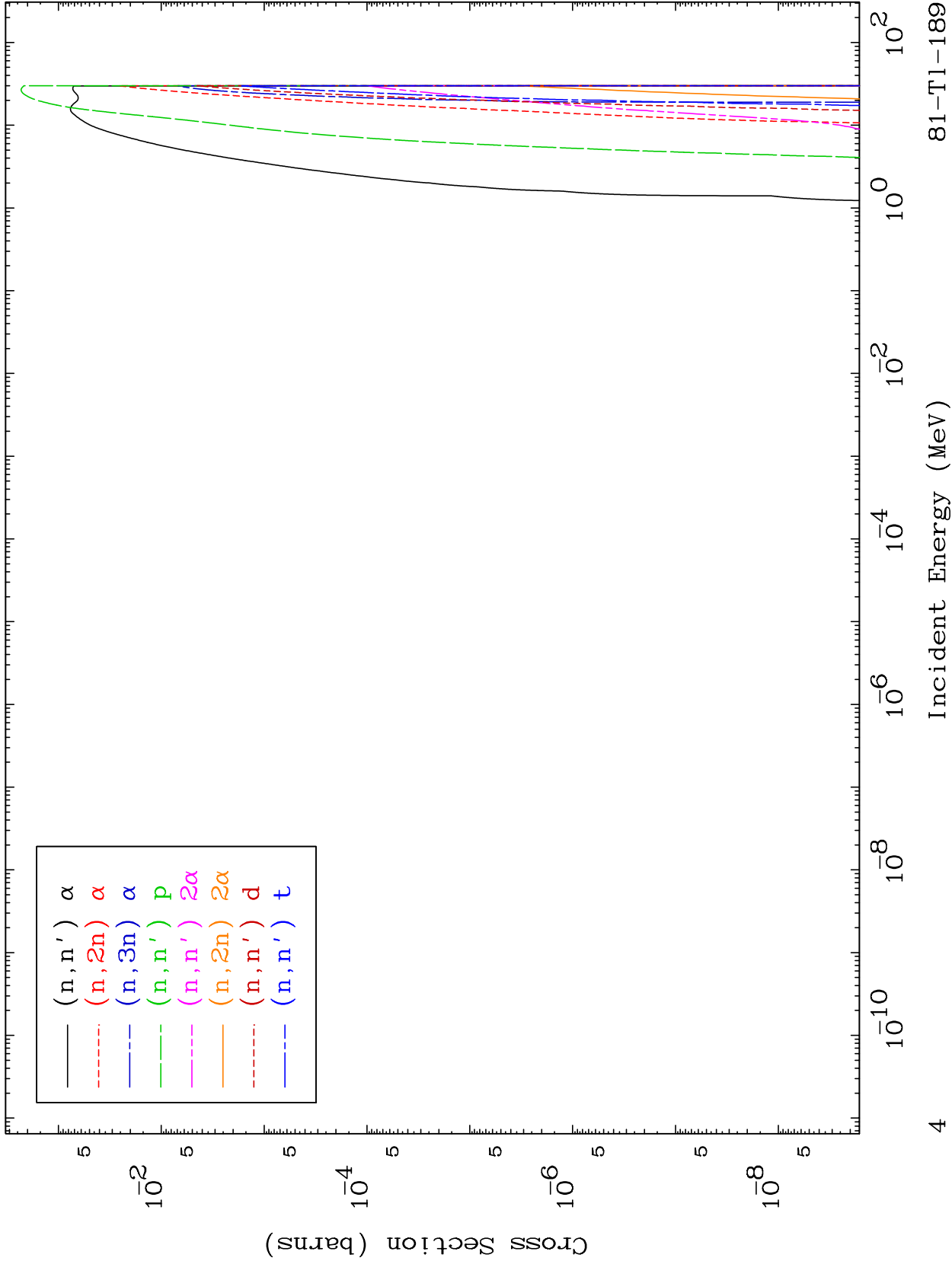
81-Tl-189



MAT 8084

Charged Particle
293 Kelvin Cross Sections

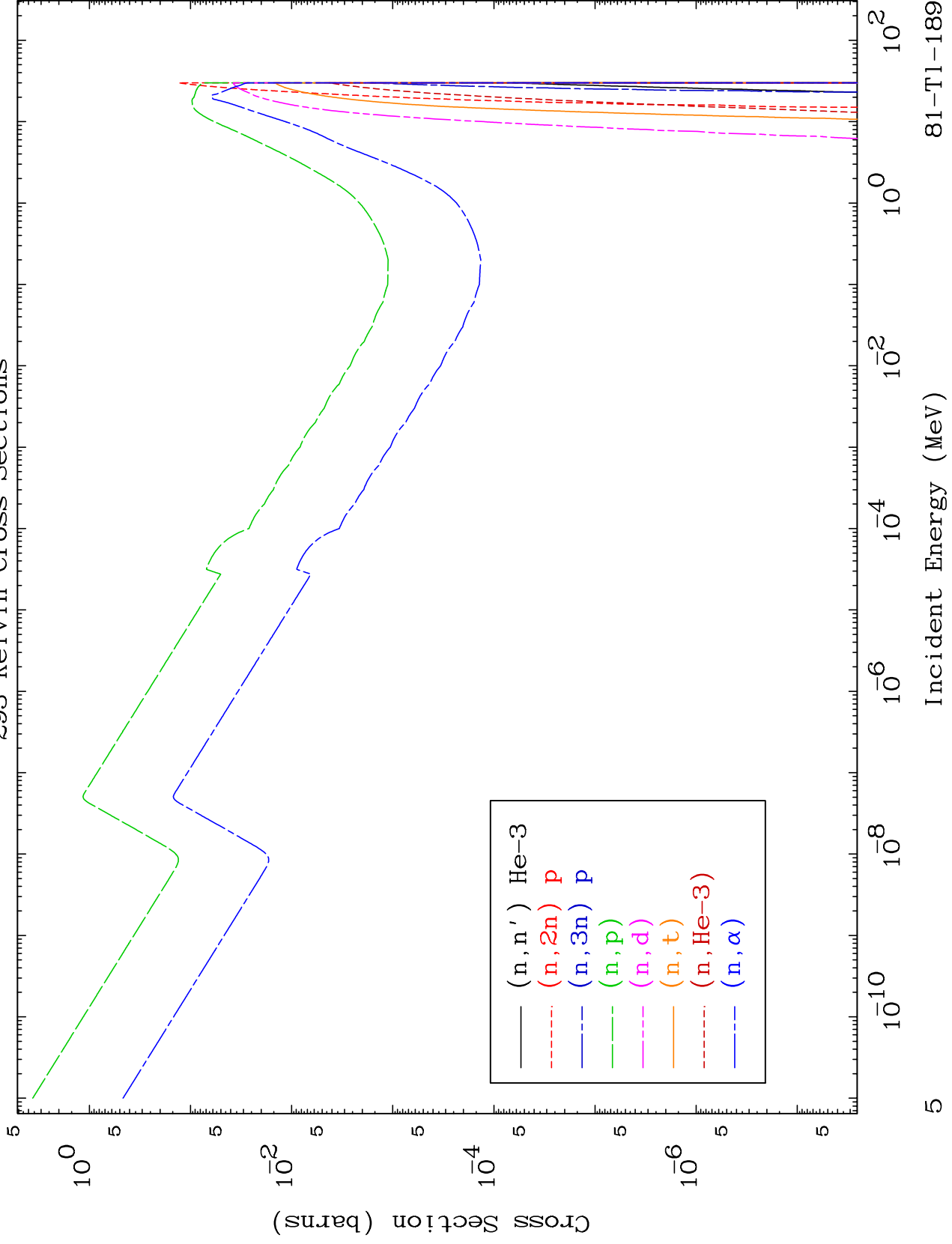
81-Tl-189

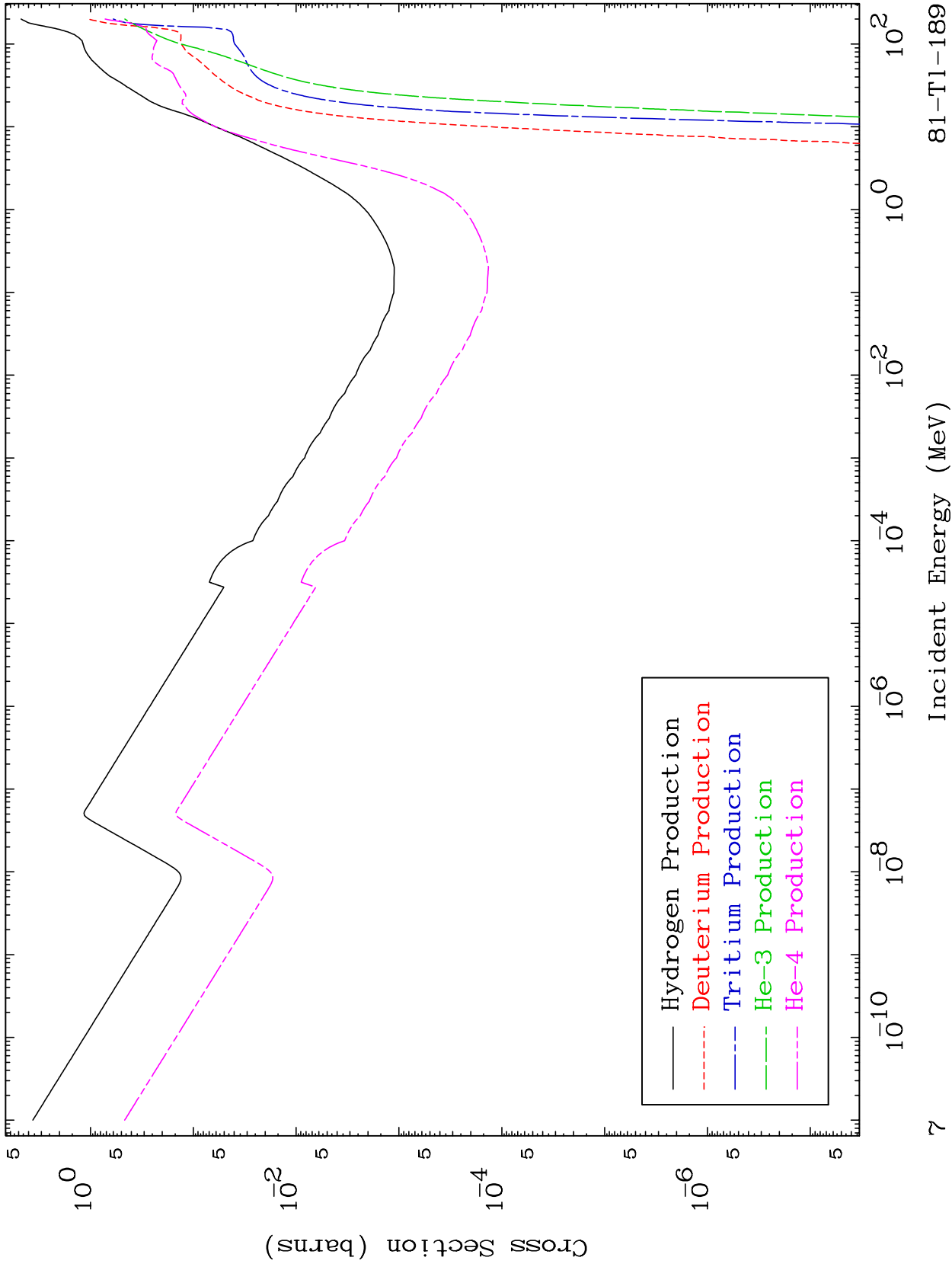


MAT 8084

Charged Particle
293 Kelvin Cross Sections

81-Tl-189

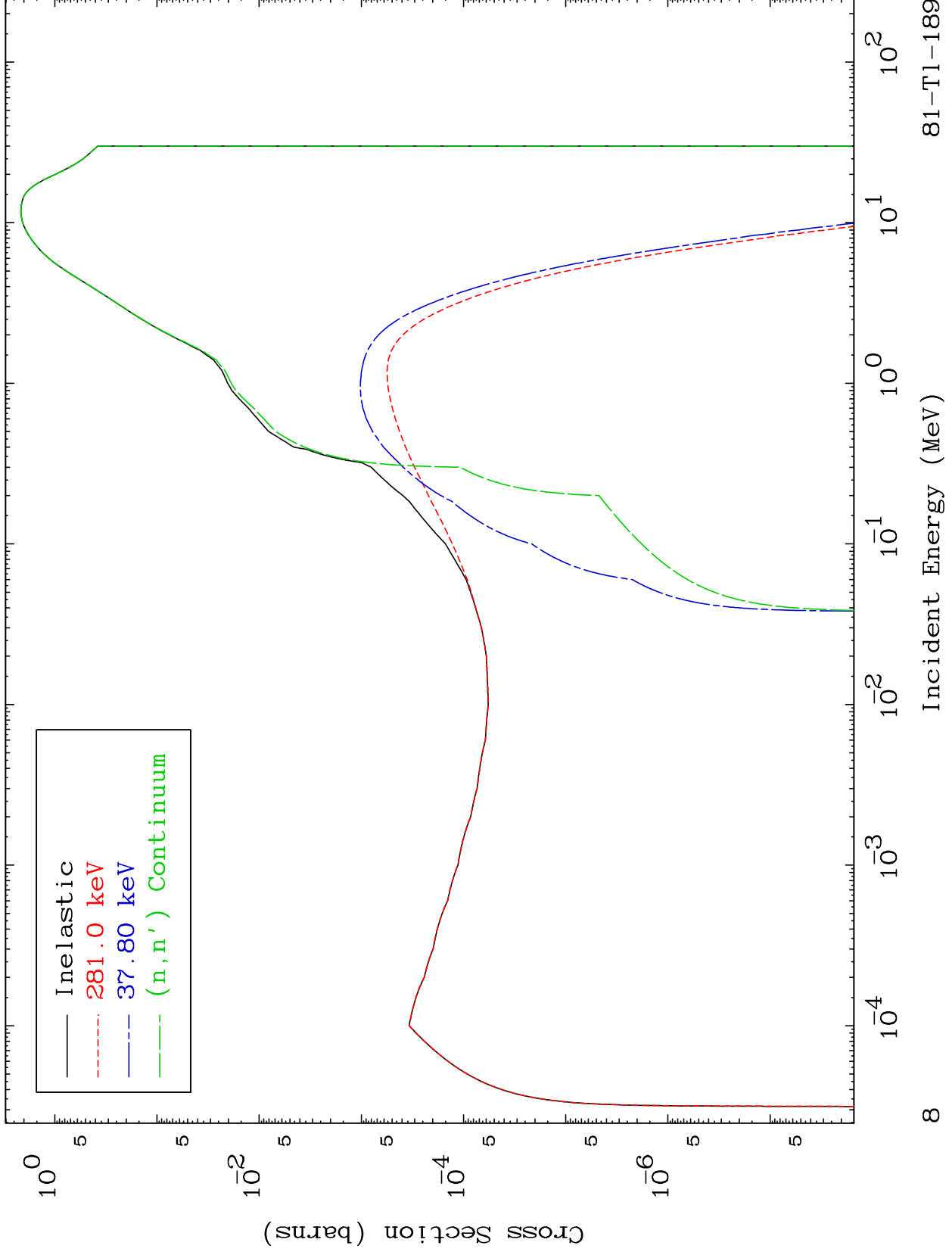




MAT 8084

293 Kelvin Cross Sections
(n,n') Level

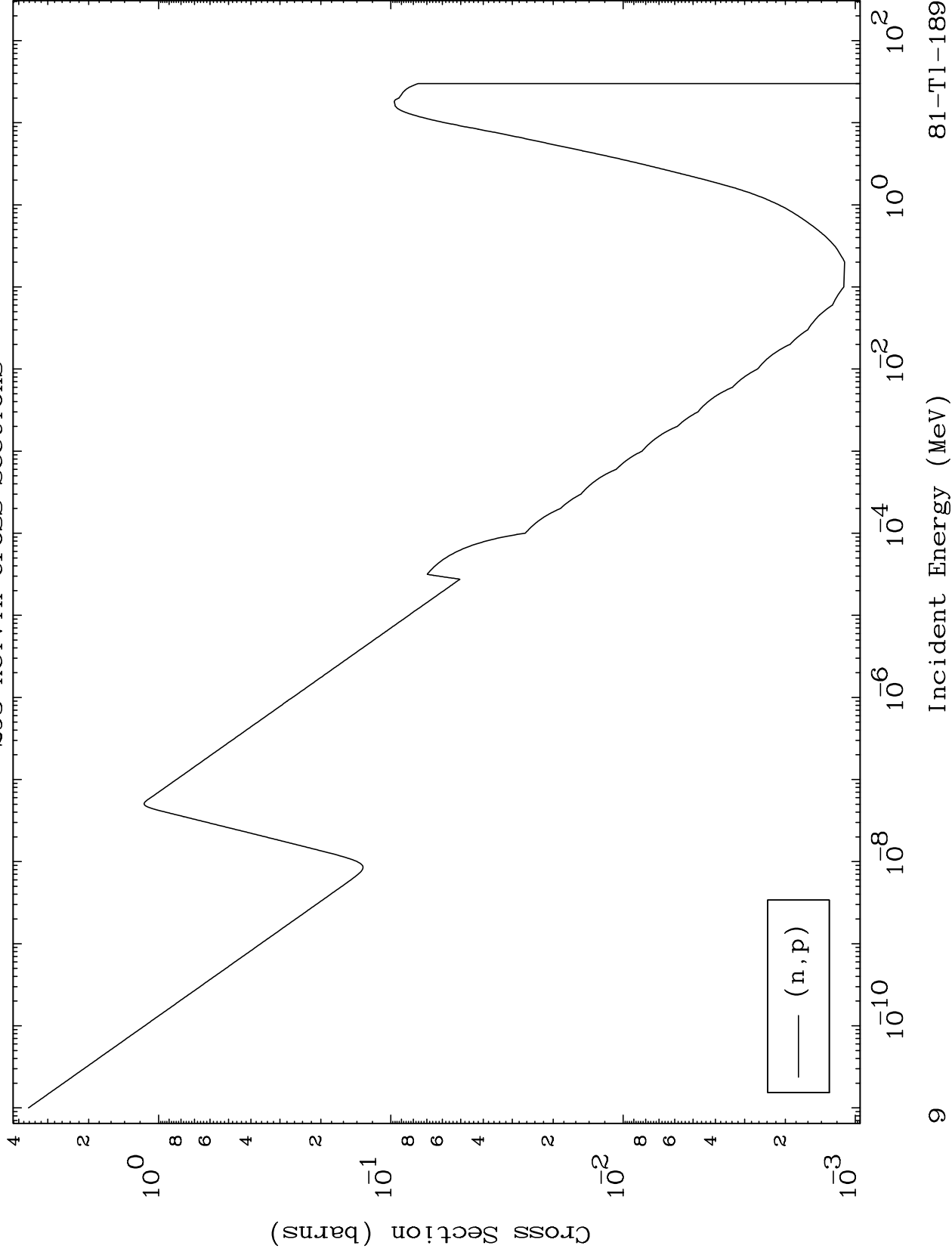
81-Tl-189



MAT 8084

(n,p) Levels
293 Kelvin Cross Sections

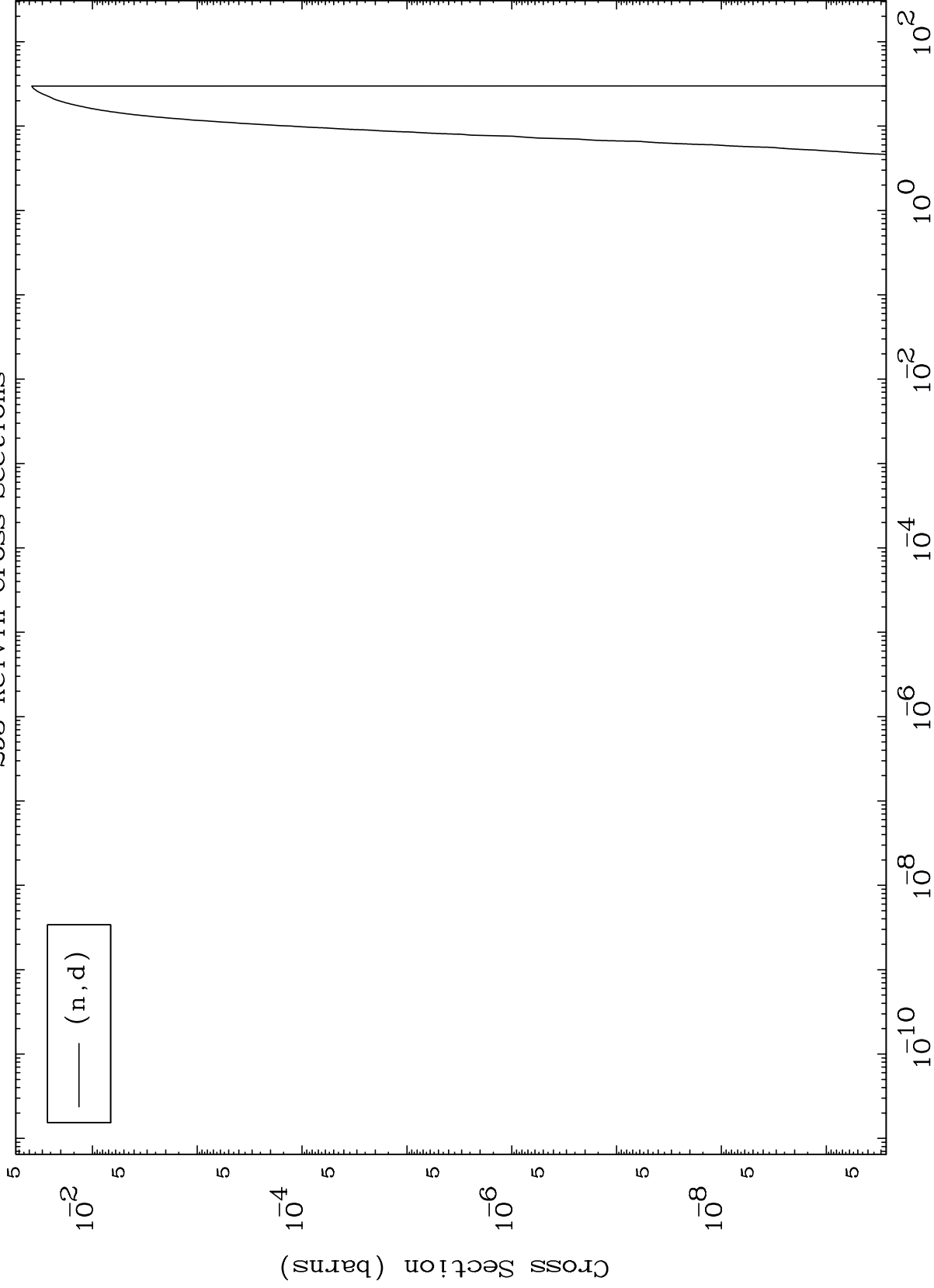
81-Tl-189



MAT 8084

(n,d) Levels
293 Kelvin Cross Sections

81-Tl-189



10

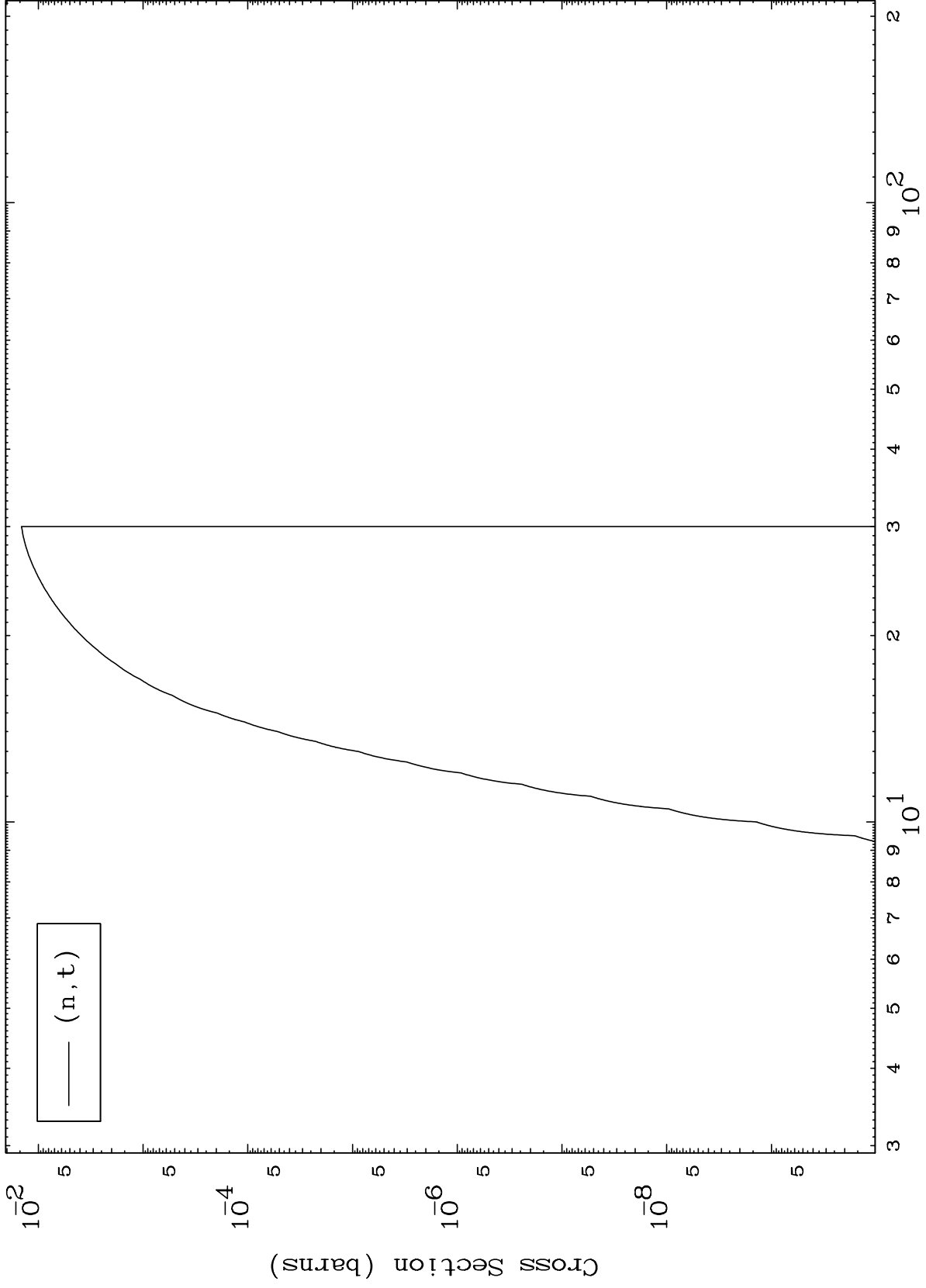
Incident Energy (MeV)

81-Tl-189

MAT 8084

(n,t) Levels
293 Kelvin Cross Sections

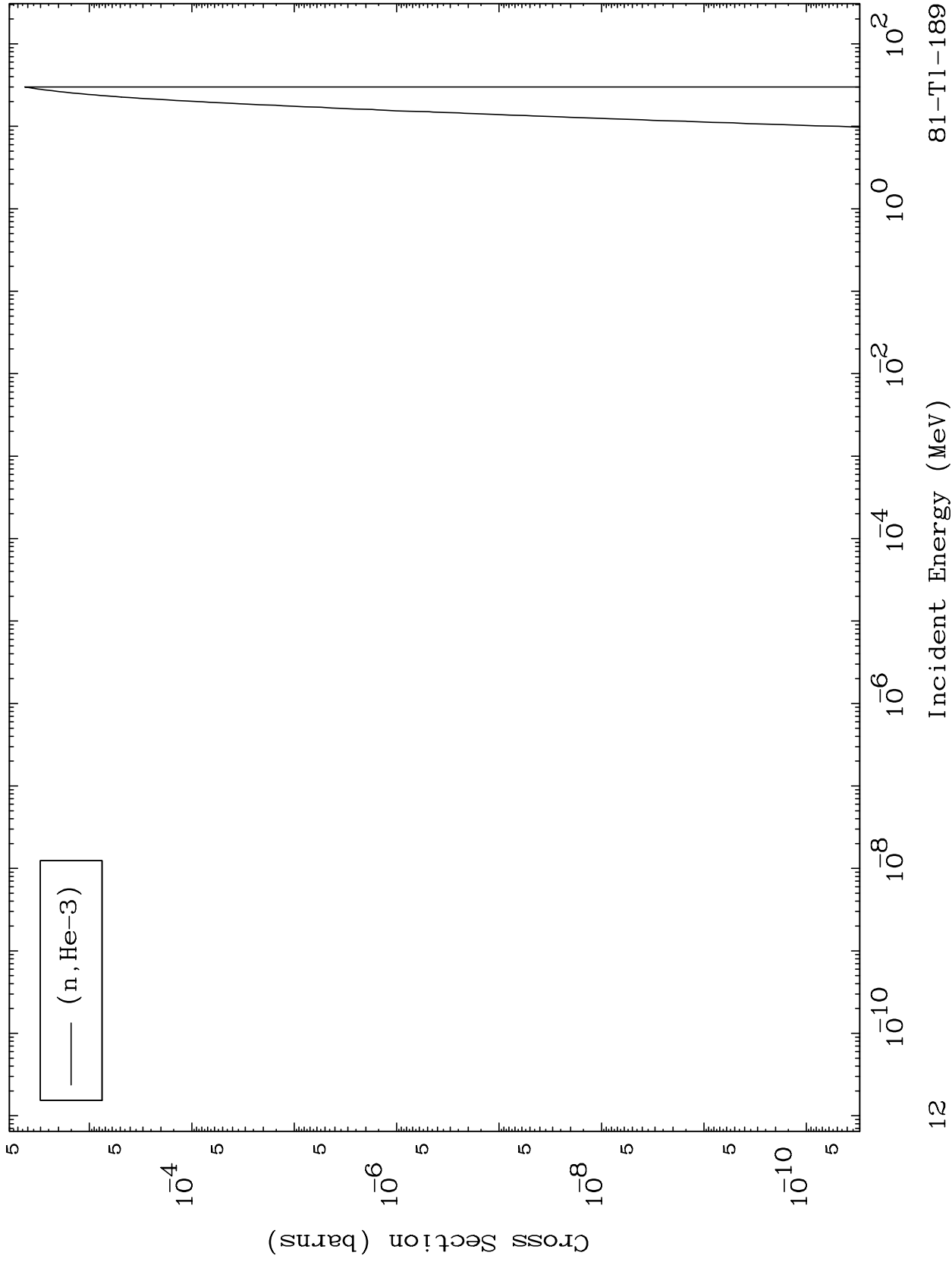
81-Tl-189



MAT 8084

(n,He3) Levels
293 Kelvin Cross Sections

81-Tl-189



12

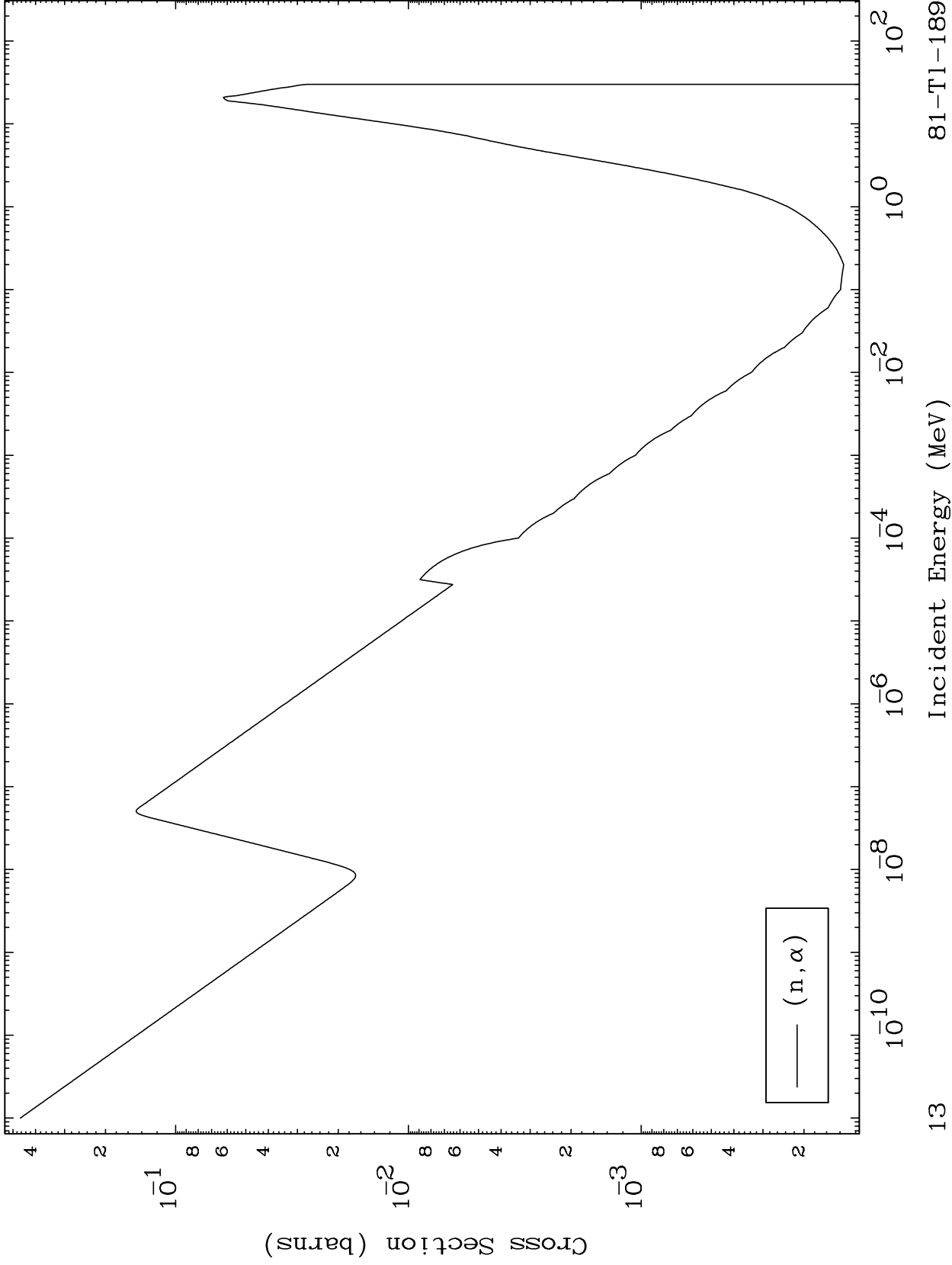
Incident Energy (MeV)

81-Tl-189

MAT 8084

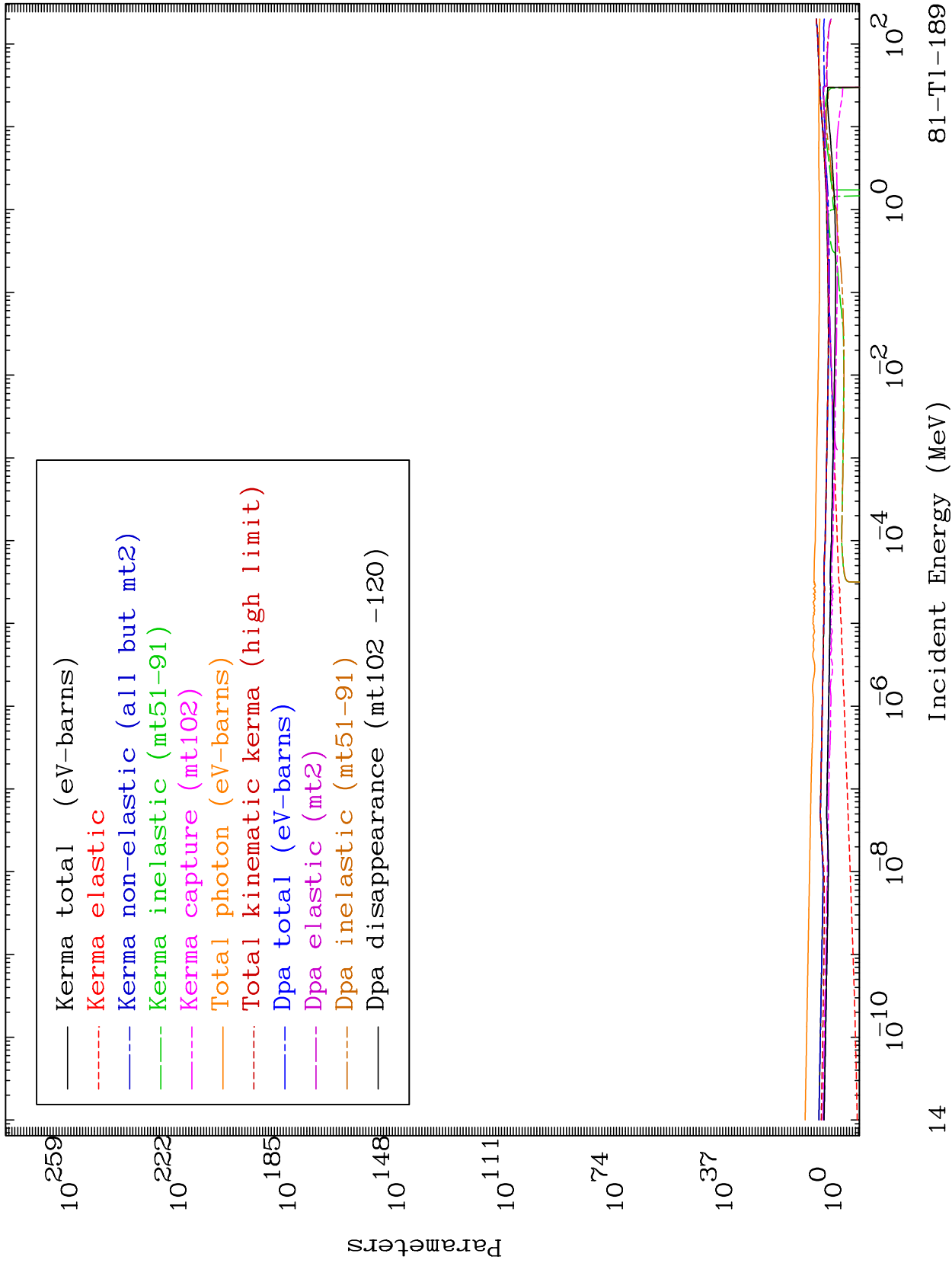
(n, α) Levels
293 Kelvin Cross Sections

81-Tl-189



13

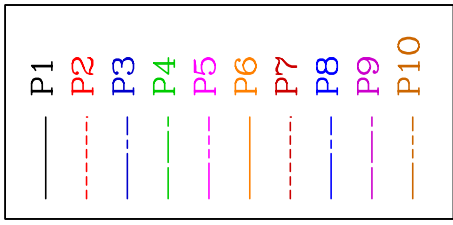
81-Tl-189



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Elastic
Legendre Coefficients

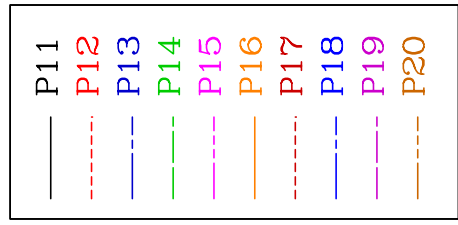
81-T1-189



MAT 8084

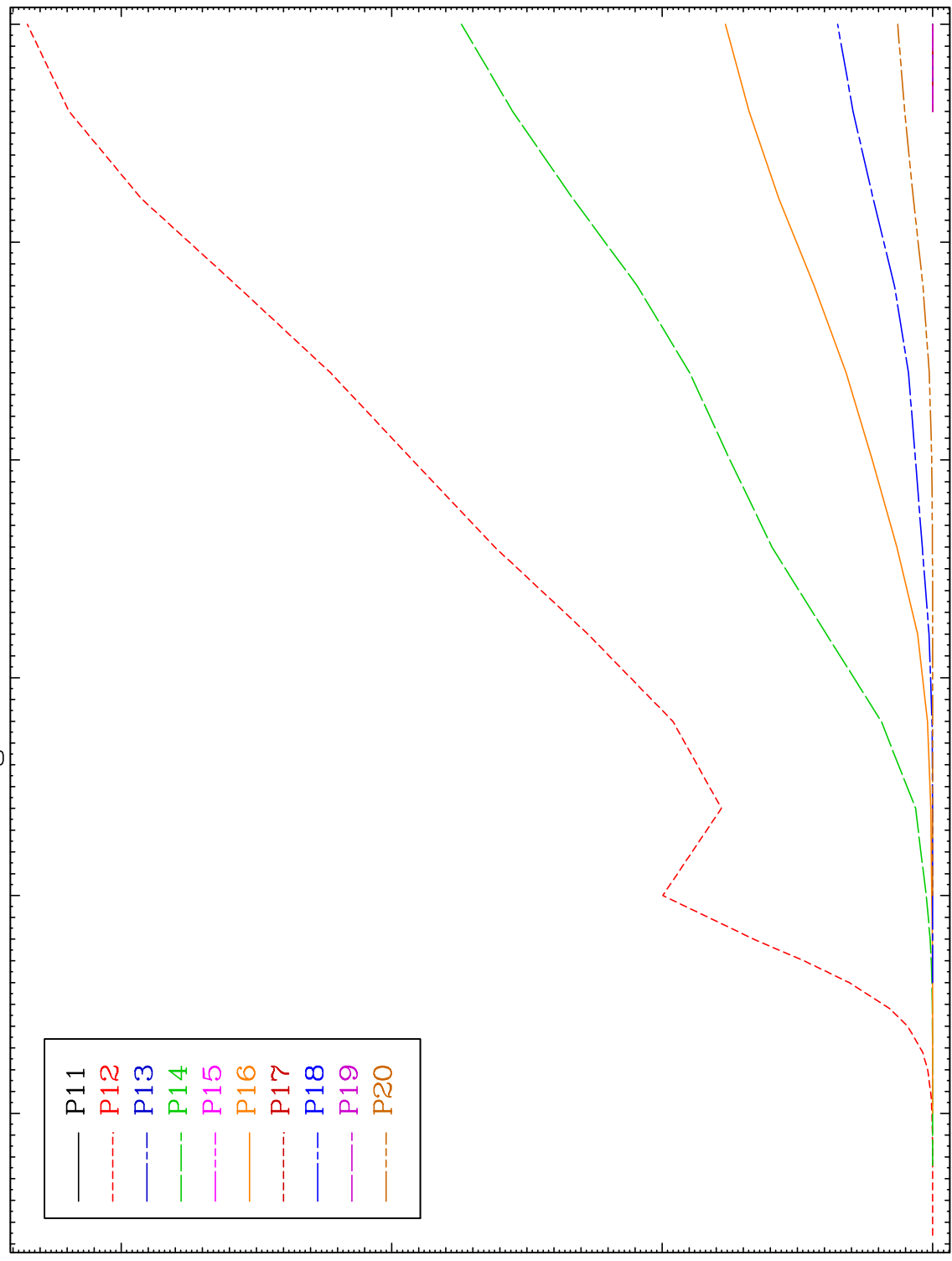
Elastic Legendre Coefficients

81-Tl-189



$\times 10^{-4}$

Legendre (CM)



16

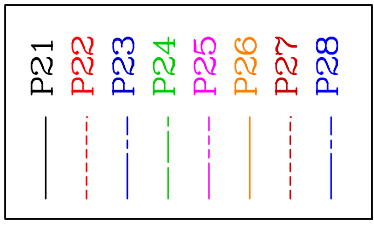
Incident Energy (MeV)

81-Tl-189

MAT 8084

Elastic Legendre Coefficients

81-T1-189



$\times 10^{-6}$

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

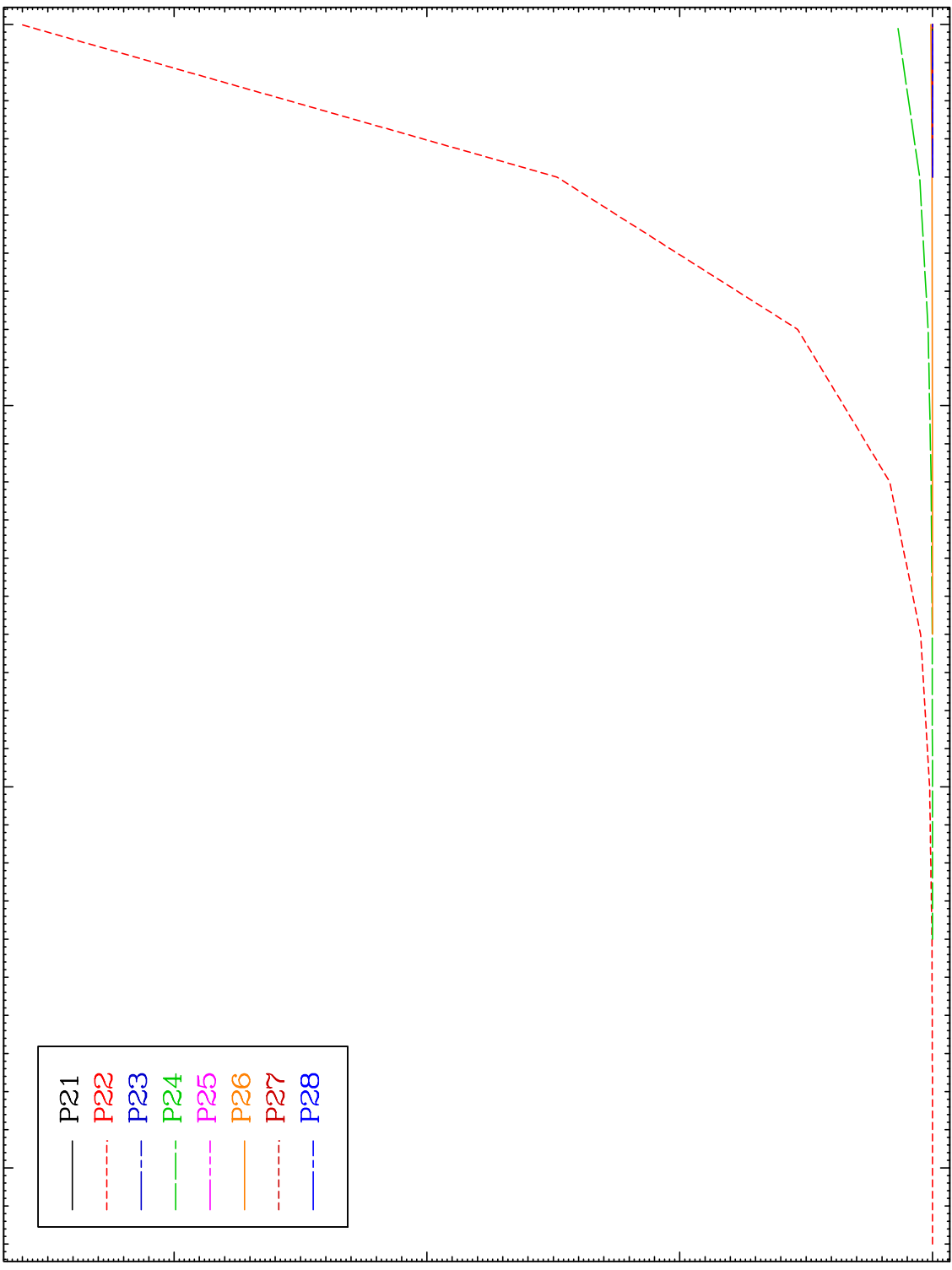
25

30

17

Incident Energy (MeV)

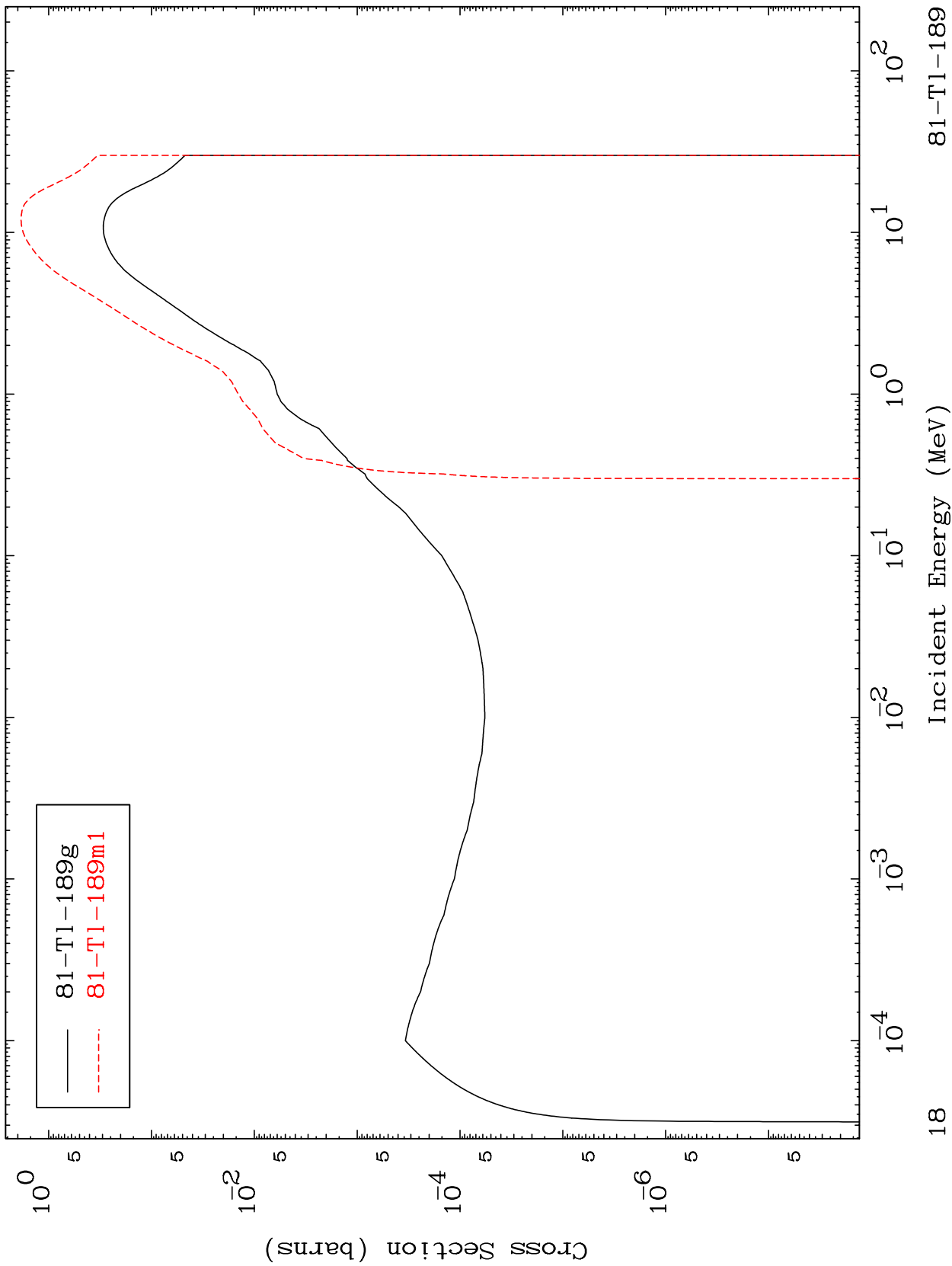
81-T1-189



MAT 8084

81-Tl-189

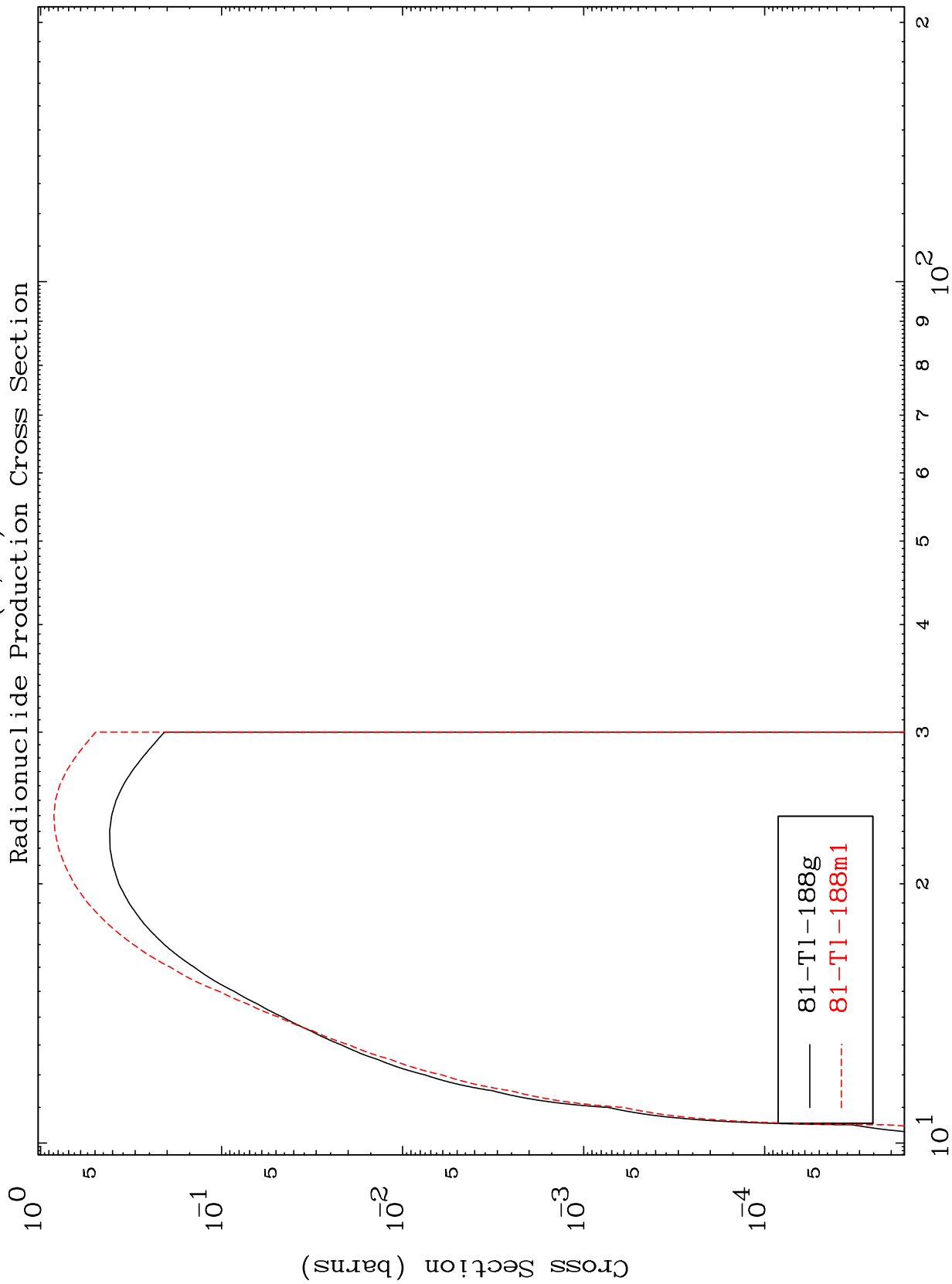
Inelastic
Radionuclide Production Cross Section



MAT 8084

81-Tl-189

Radionuclide Production Cross Section
(n,2n)



Incident Energy (MeV)

81-Tl-189

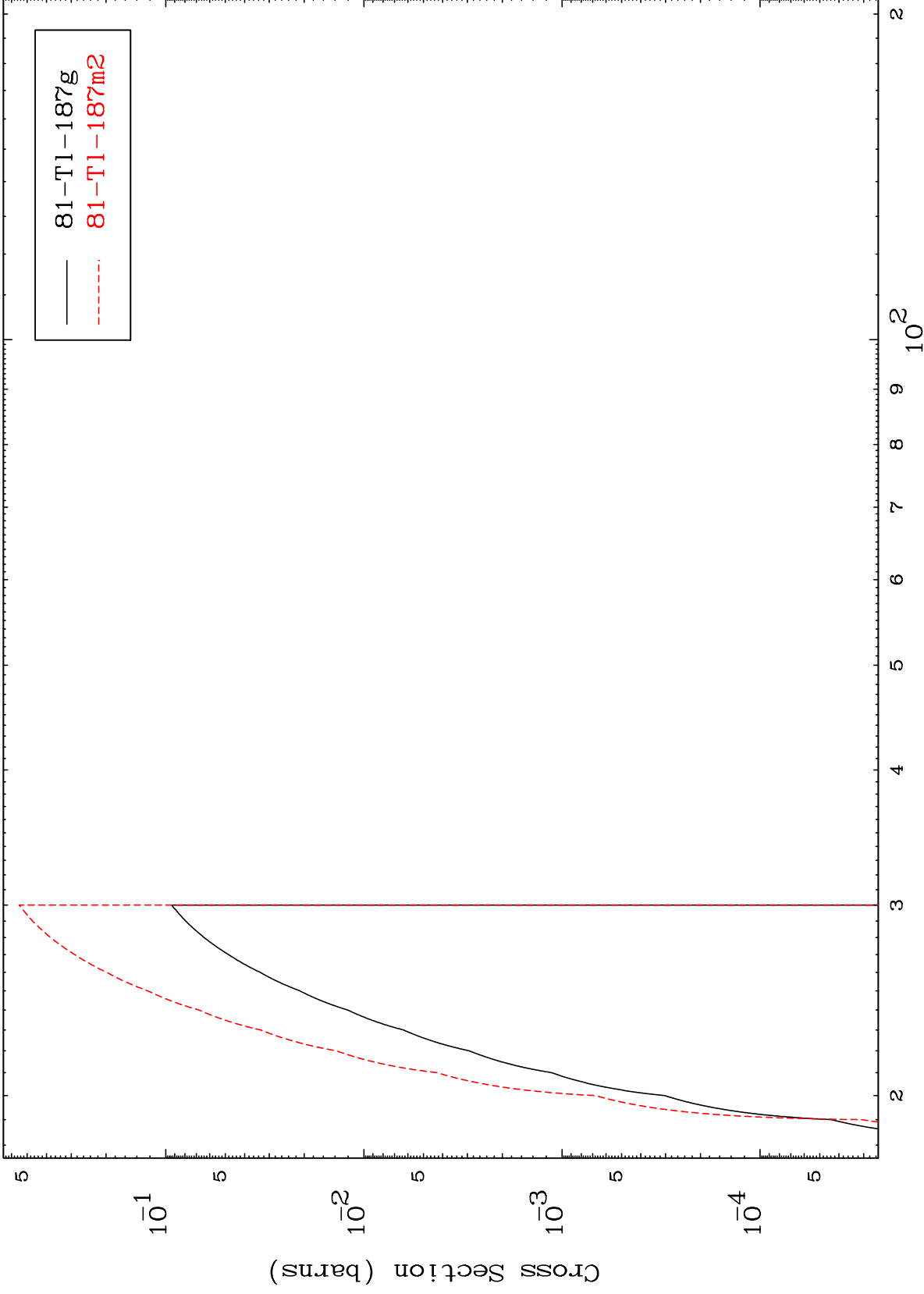
19

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(n,3n)

81-Tl-189

Radionuclide Production Cross Section



20

Incident Energy (MeV)

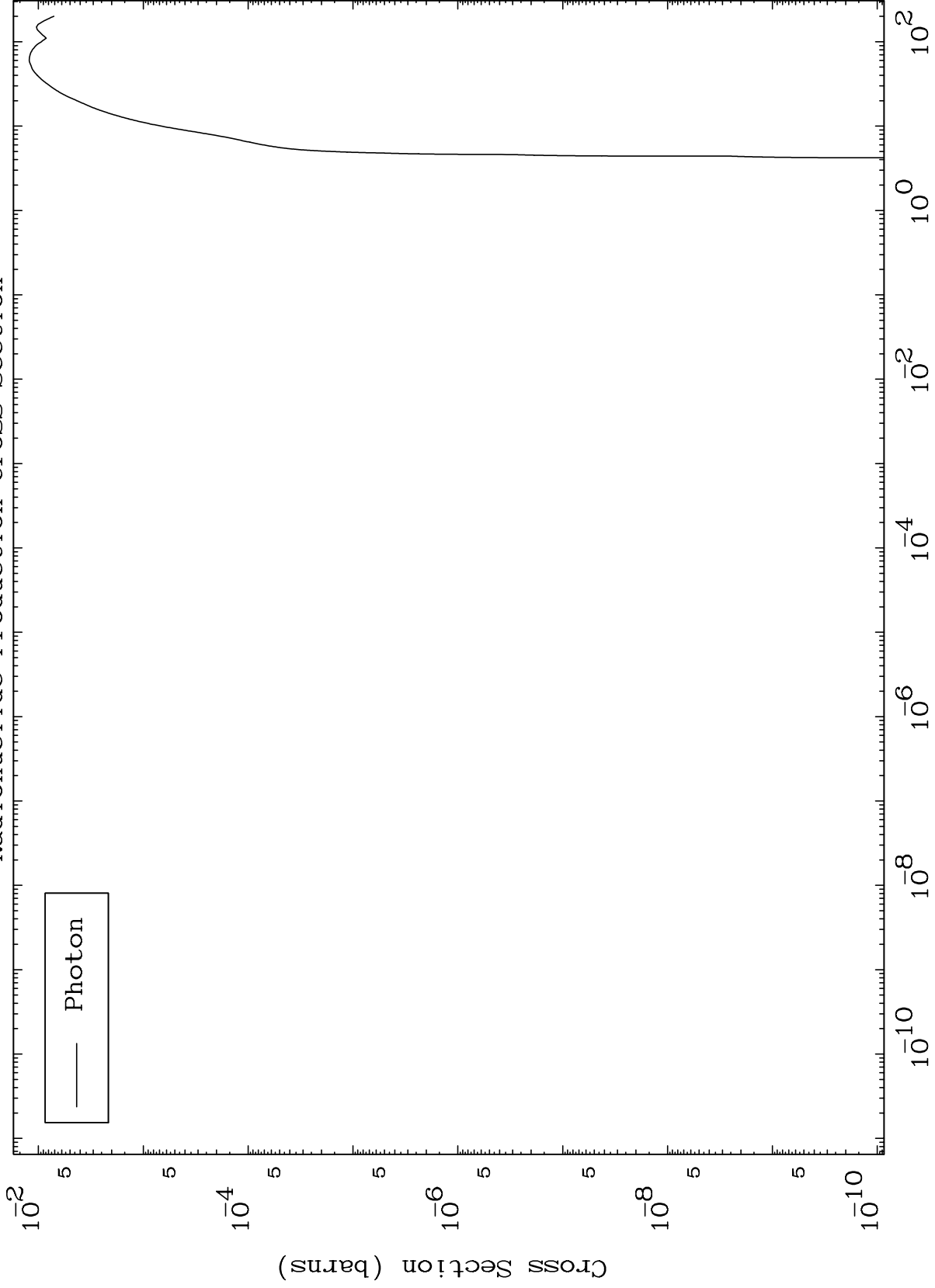
81-Tl-189

MAT 8084

Fission

81-Tl-189

Radionuclide Production Cross Section



21

Incident Energy (MeV)

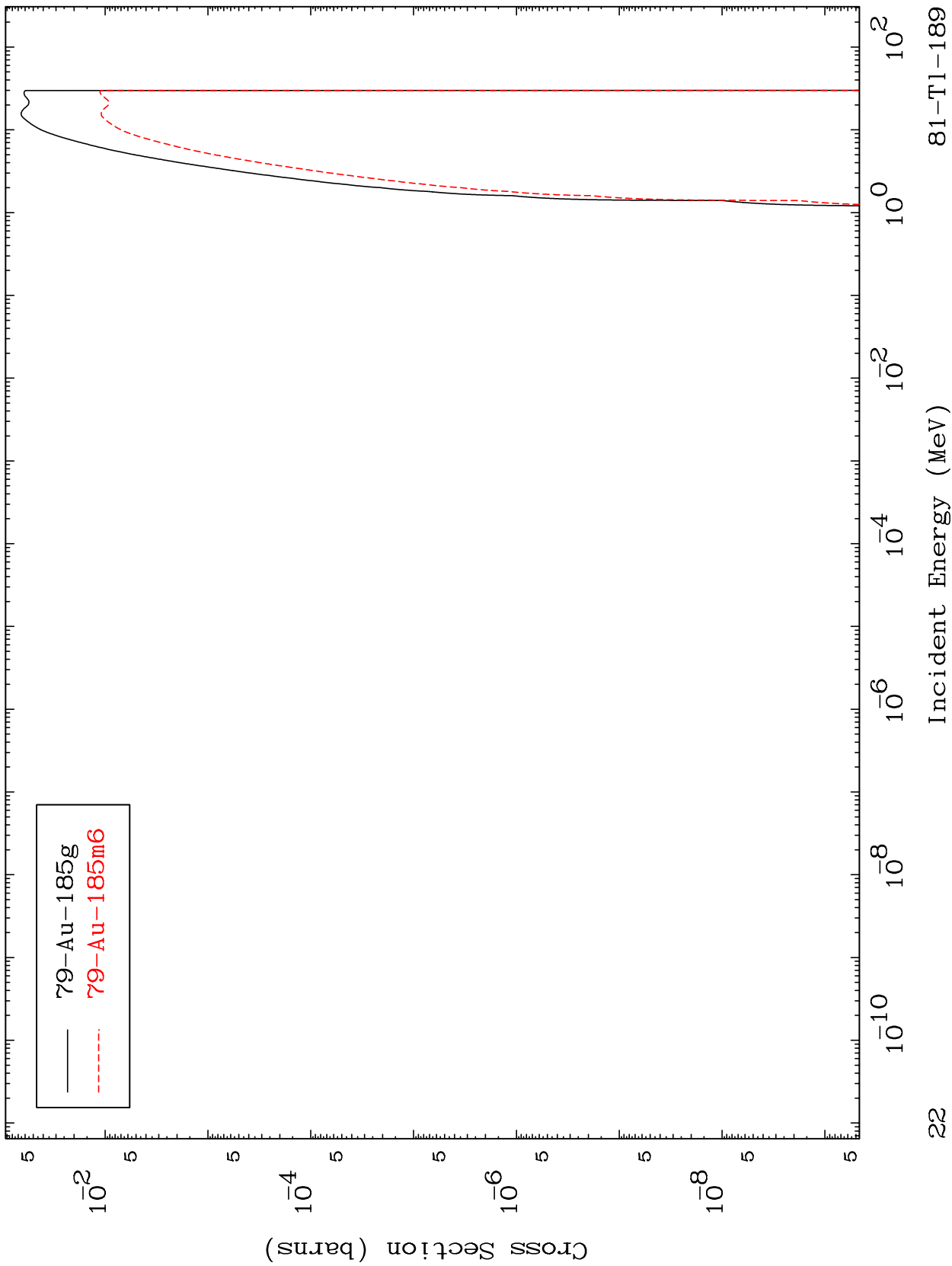
81-Tl-189

MAT 8084

$(n, n') \alpha$

81-Tl-189

Radionuclide Production Cross Section

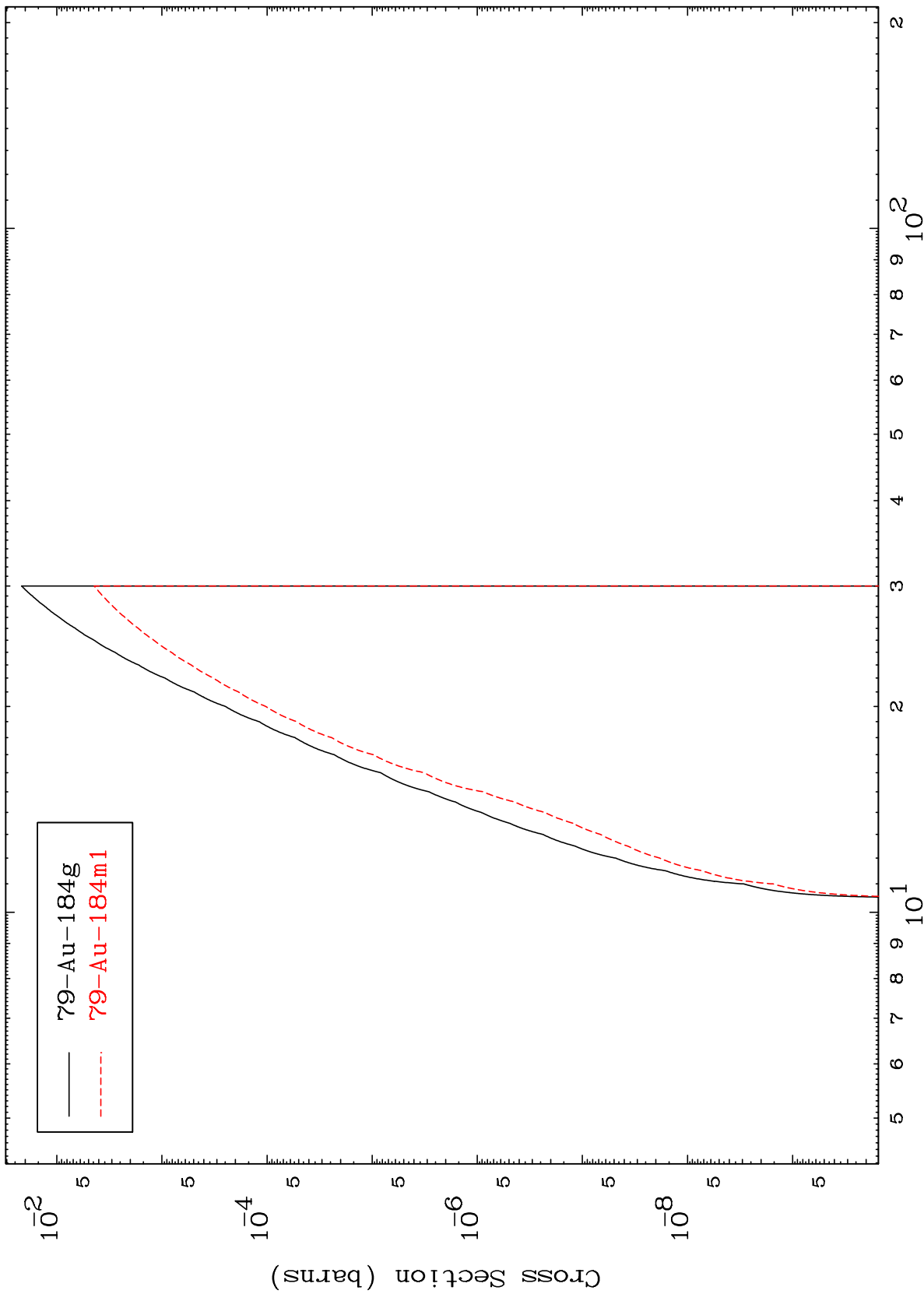


MAT 8084

(n,2n) α

81-Tl-189

Radionuclide Production Cross Section



23

Incident Energy (MeV)

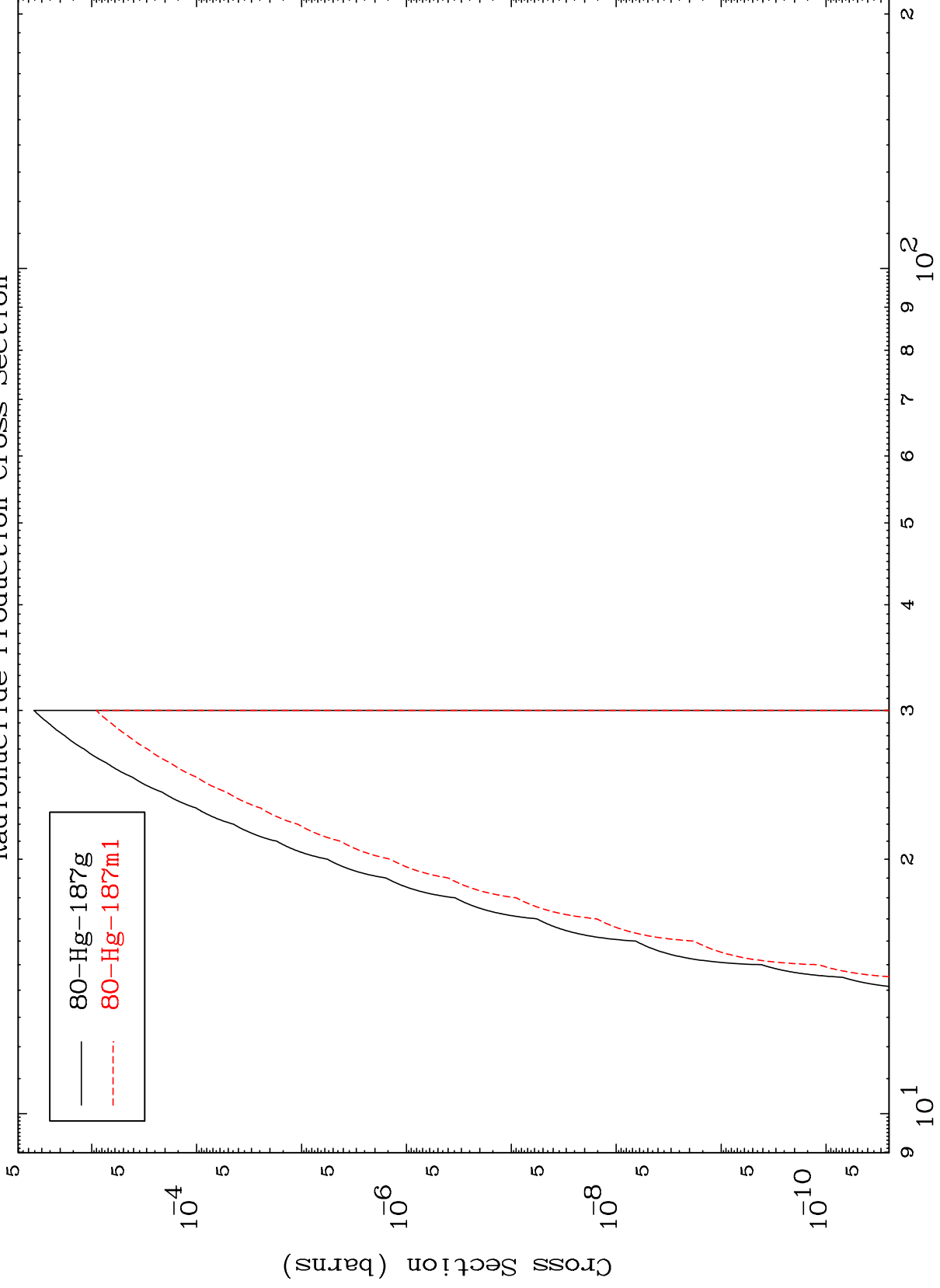
81-Tl-189

MAT 8084

(n,n') d

81-Tl-189

Radionuclide Production Cross Section



24

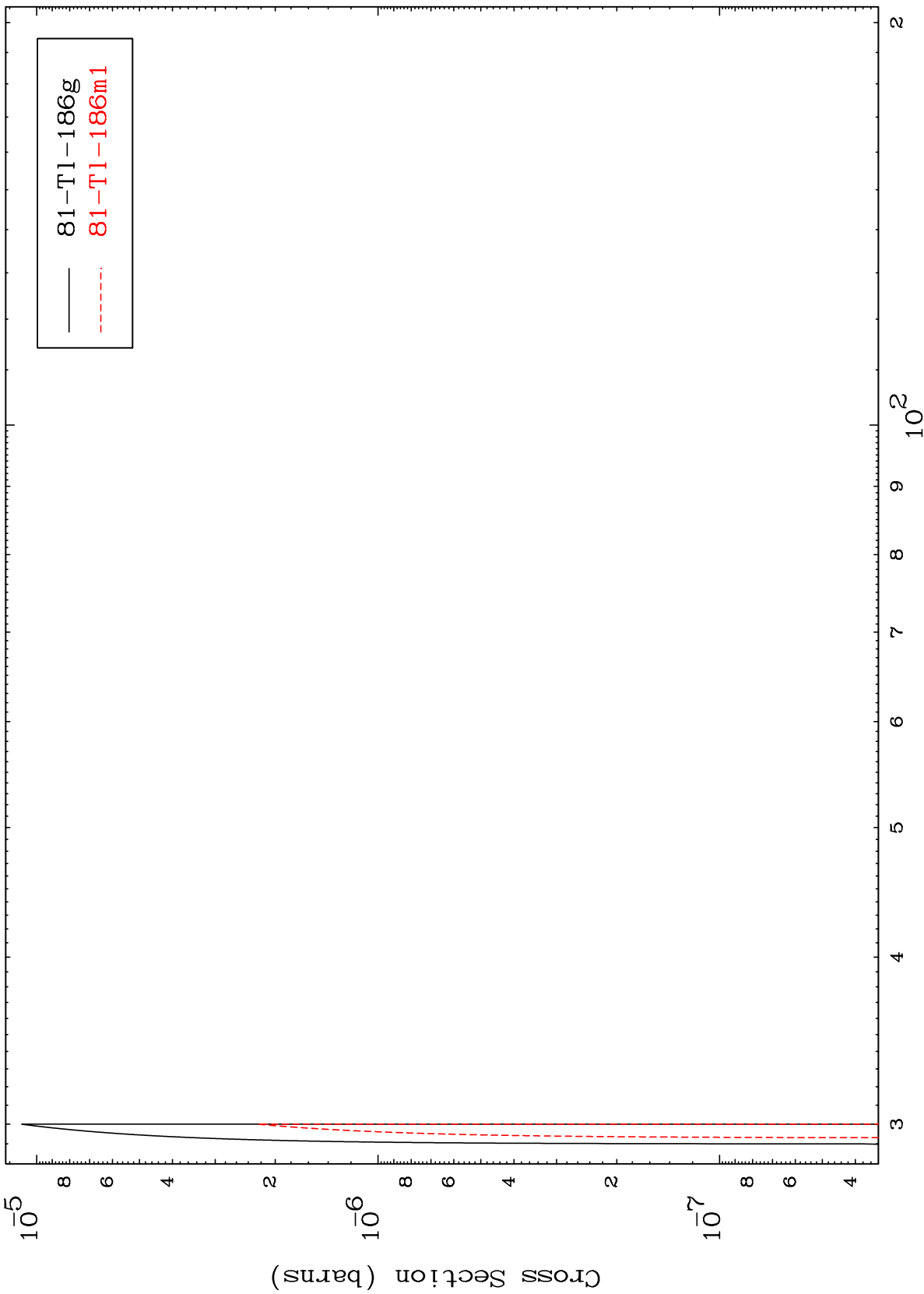
Incident Energy (MeV)

81-Tl-189

MAT 8084

81-Tl-189

(n,4n)
Radionuclide Production Cross Section



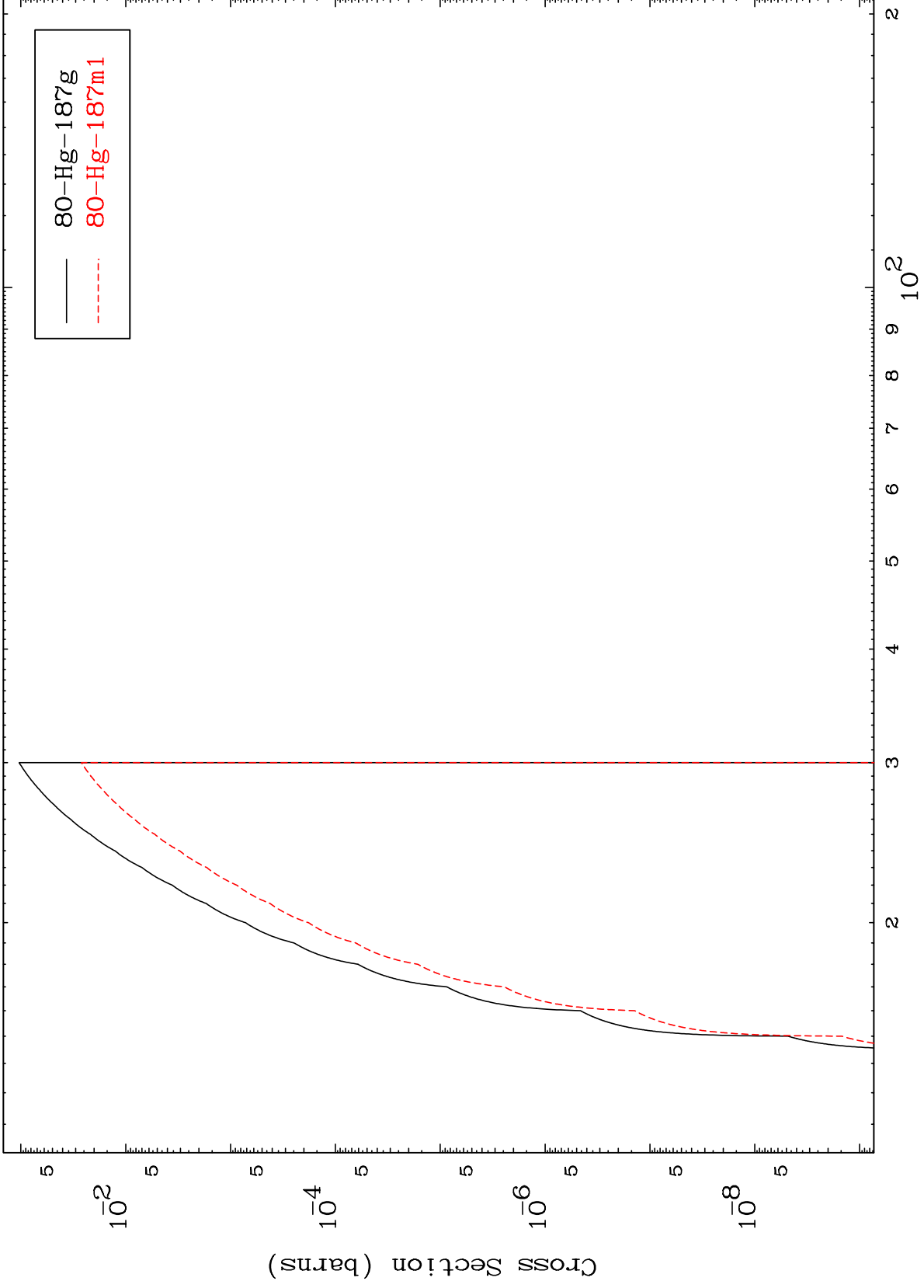
81-Tl-186g
81-Tl-186m1

25

81-Tl-189

Incident Energy (MeV)

Radionuclide Production Cross Section

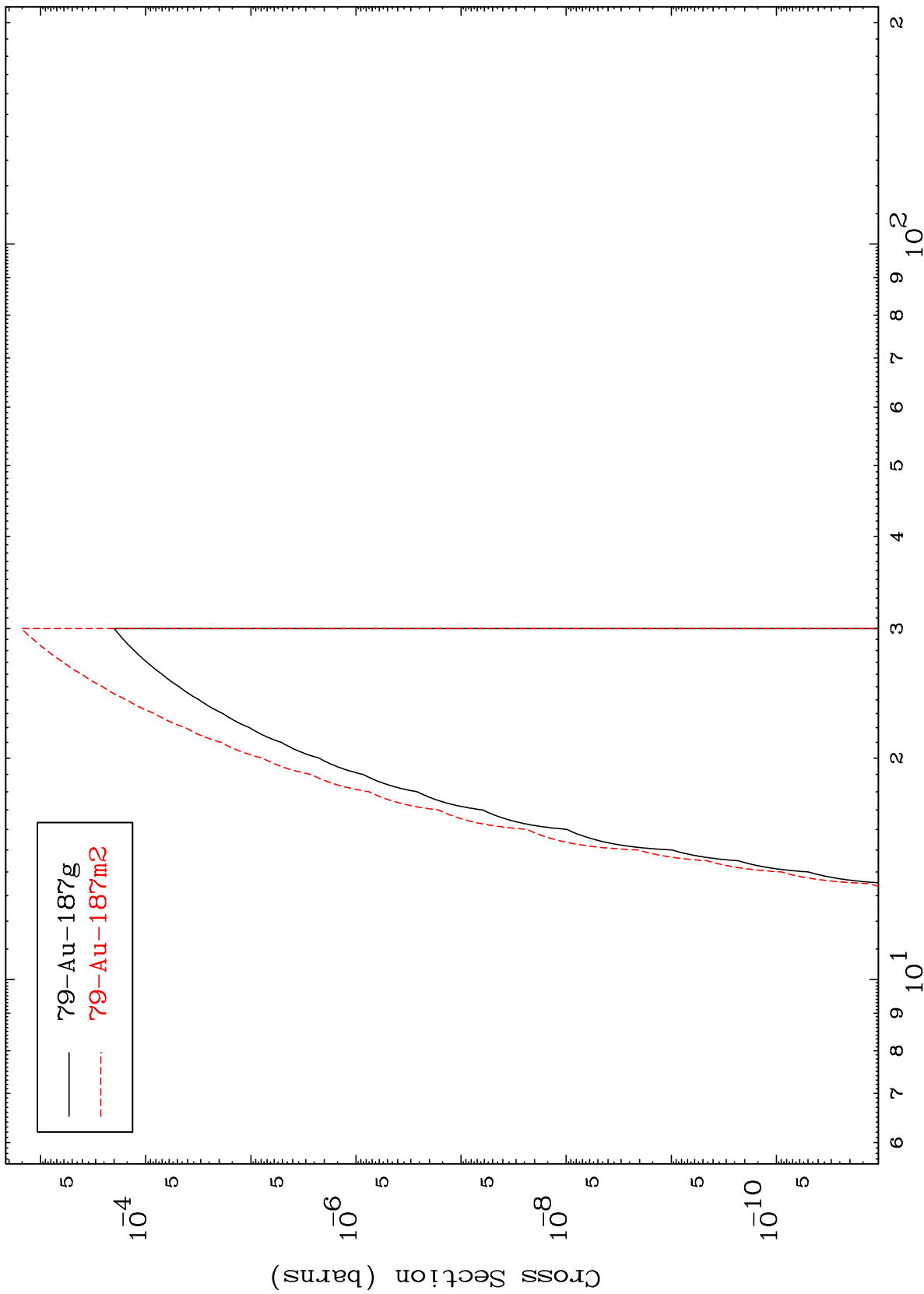


MAT 8084

(n,2n) p

81-Tl-189

Radionuclide Production Cross Section



27

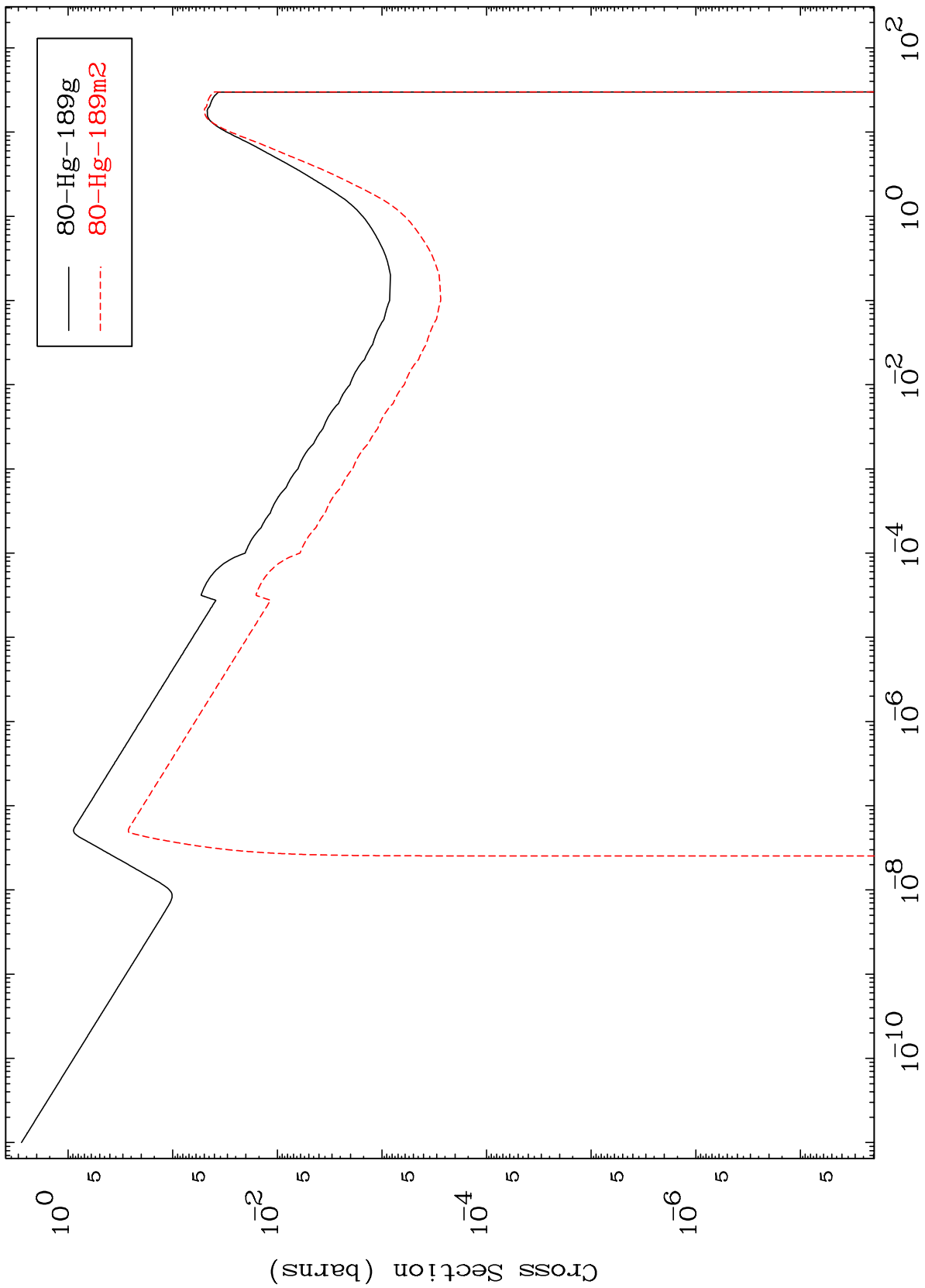
Incident Energy (MeV)

81-Tl-189

MAT 8084

81-Tl-189

(n,p)
Radionuclide Production Cross Section



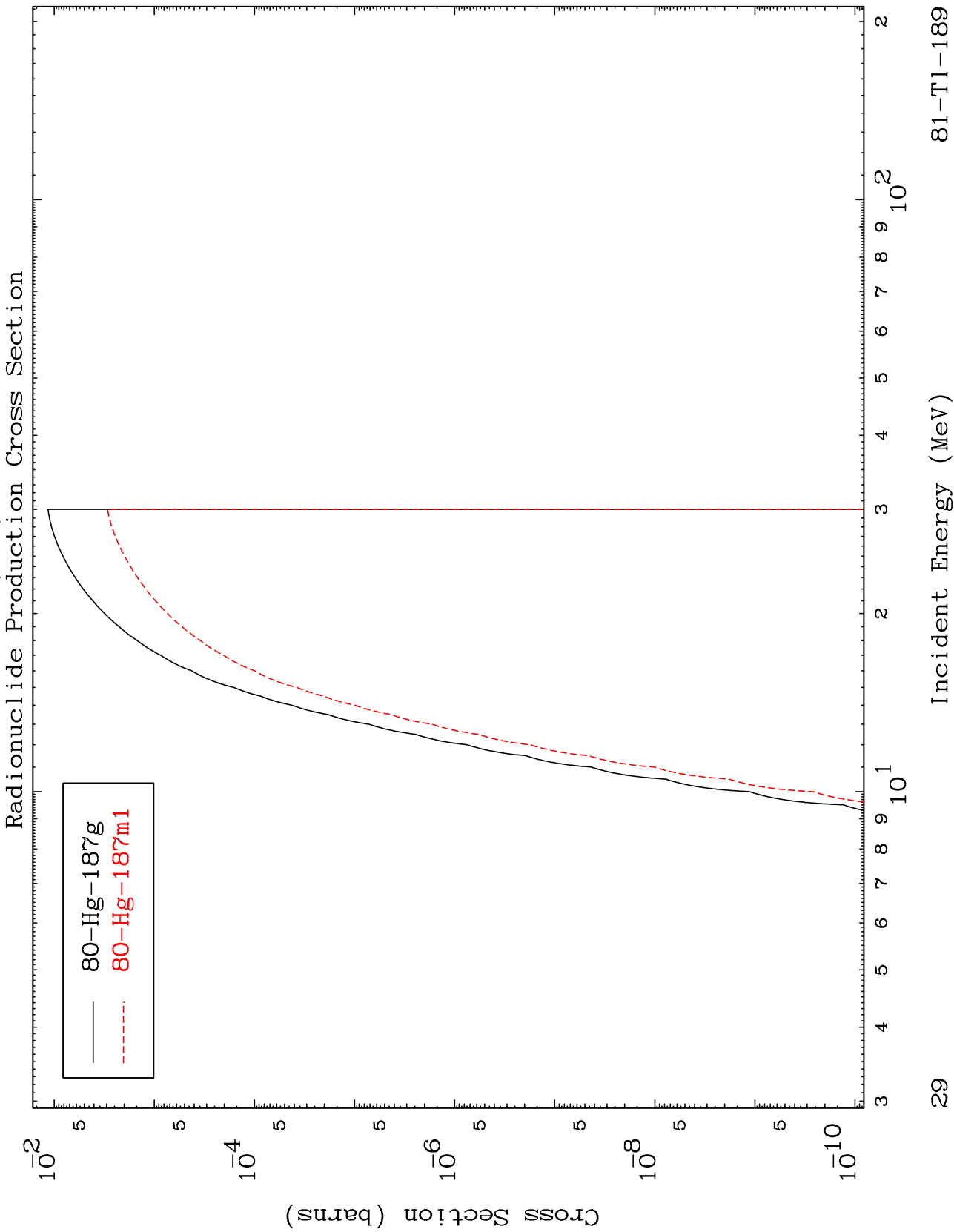
28

81-Tl-189

Incident Energy (MeV)

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81-Tl-189



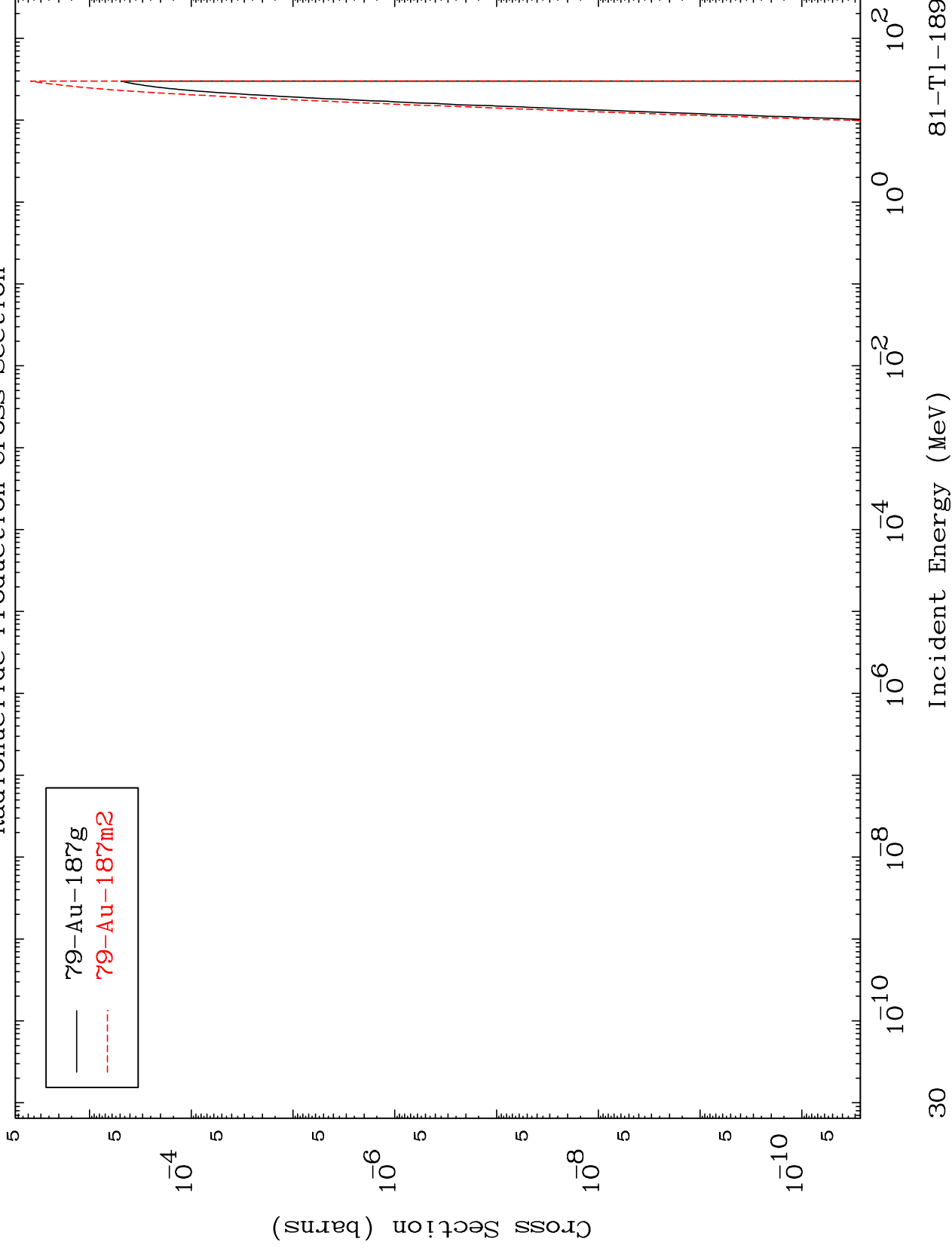
29

MAT 8084

(n,He-3)

81-Tl-189

Radionuclide Production Cross Section



30

Incident Energy (MeV)

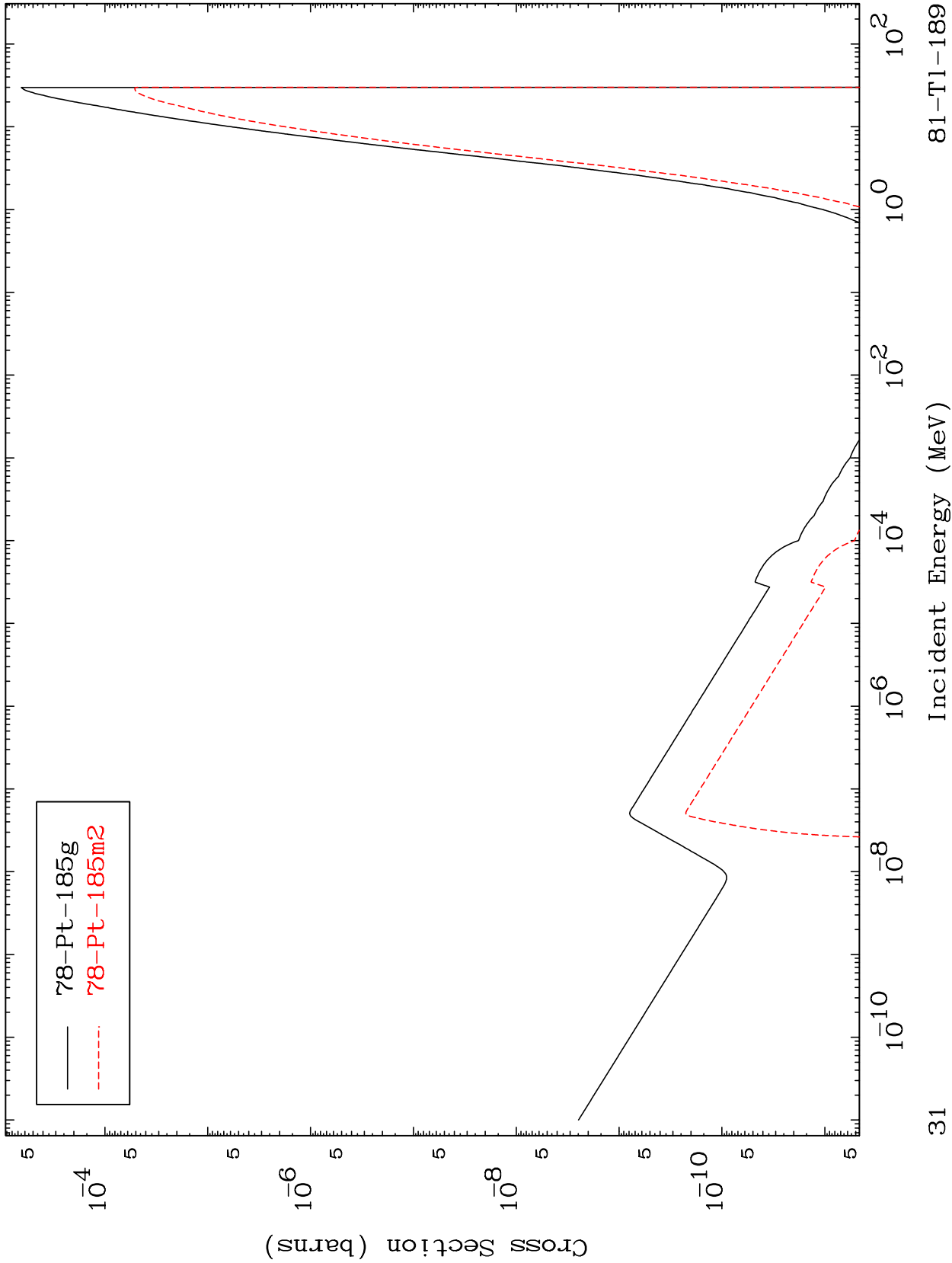
81-Tl-189

MAT 8084

(n,p) α

81-Tl-189

Radionuclide Production Cross Section

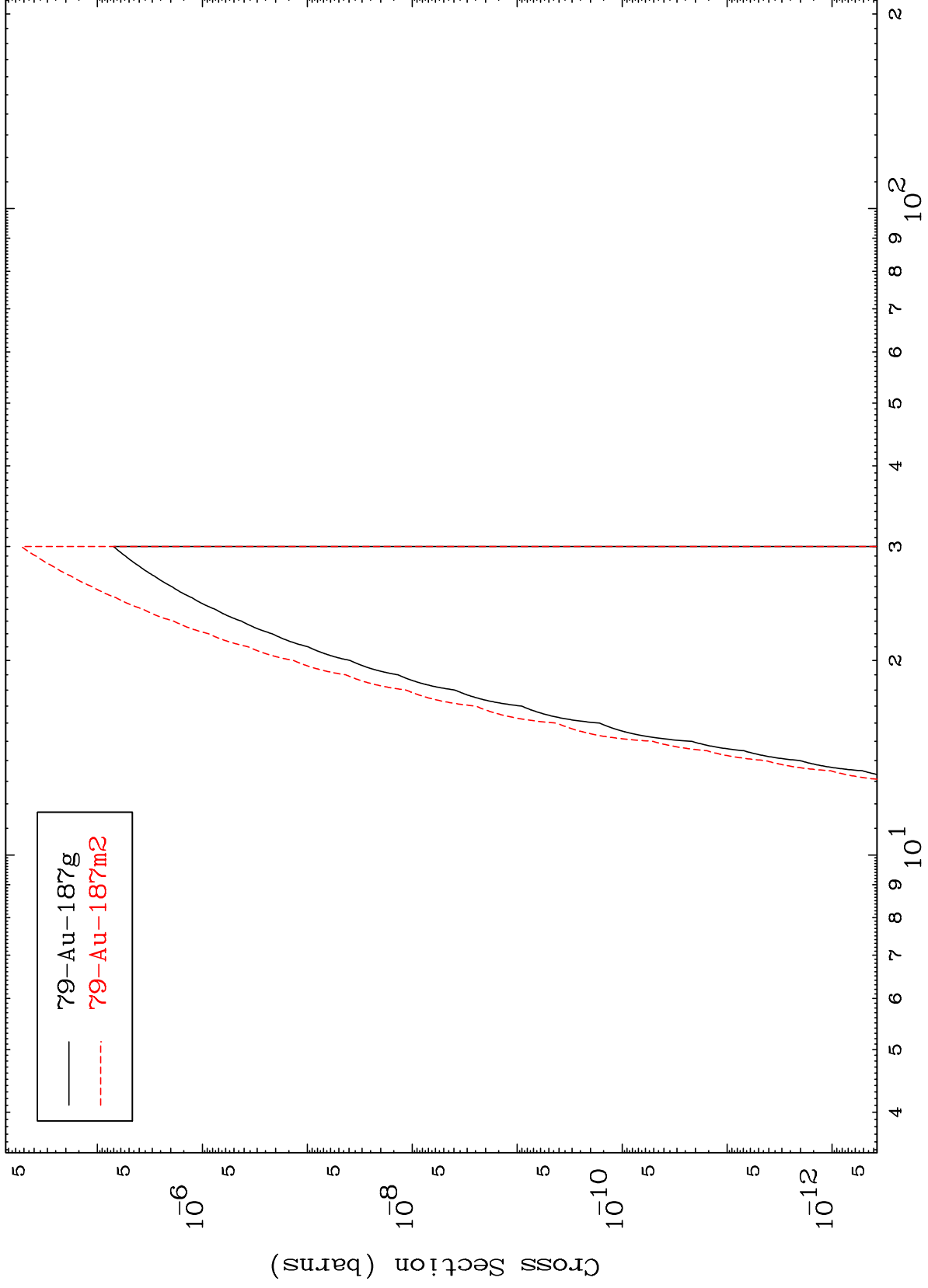


MAT 8084

(n,p) d

81-Tl-189

Radionuclide Production Cross Section



32

Incident Energy (MeV)

81-Tl-189