

Program EVALPLOT
(Version 2021-1)

by

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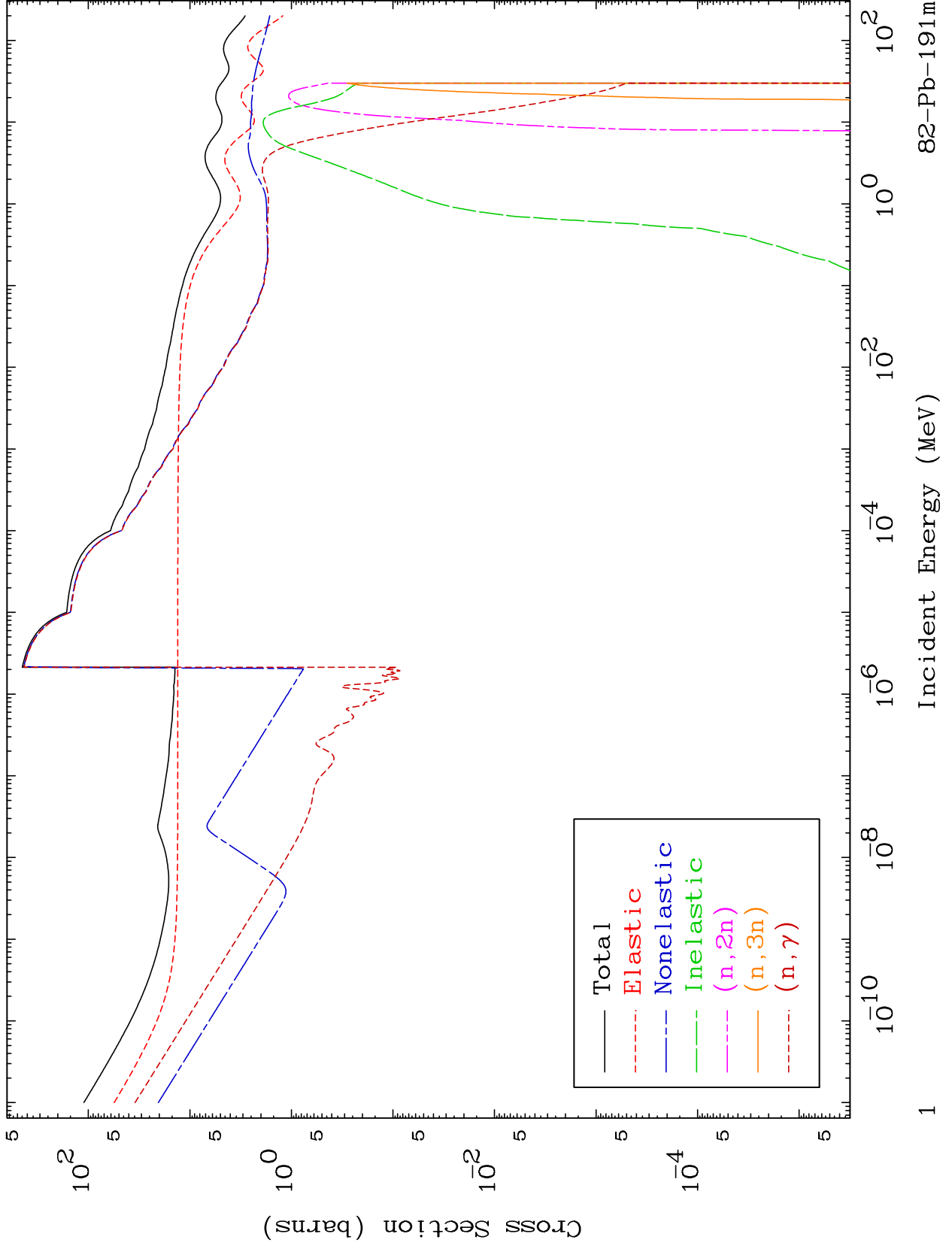
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8187

Neutron Major
293 Kelvin Cross Sections

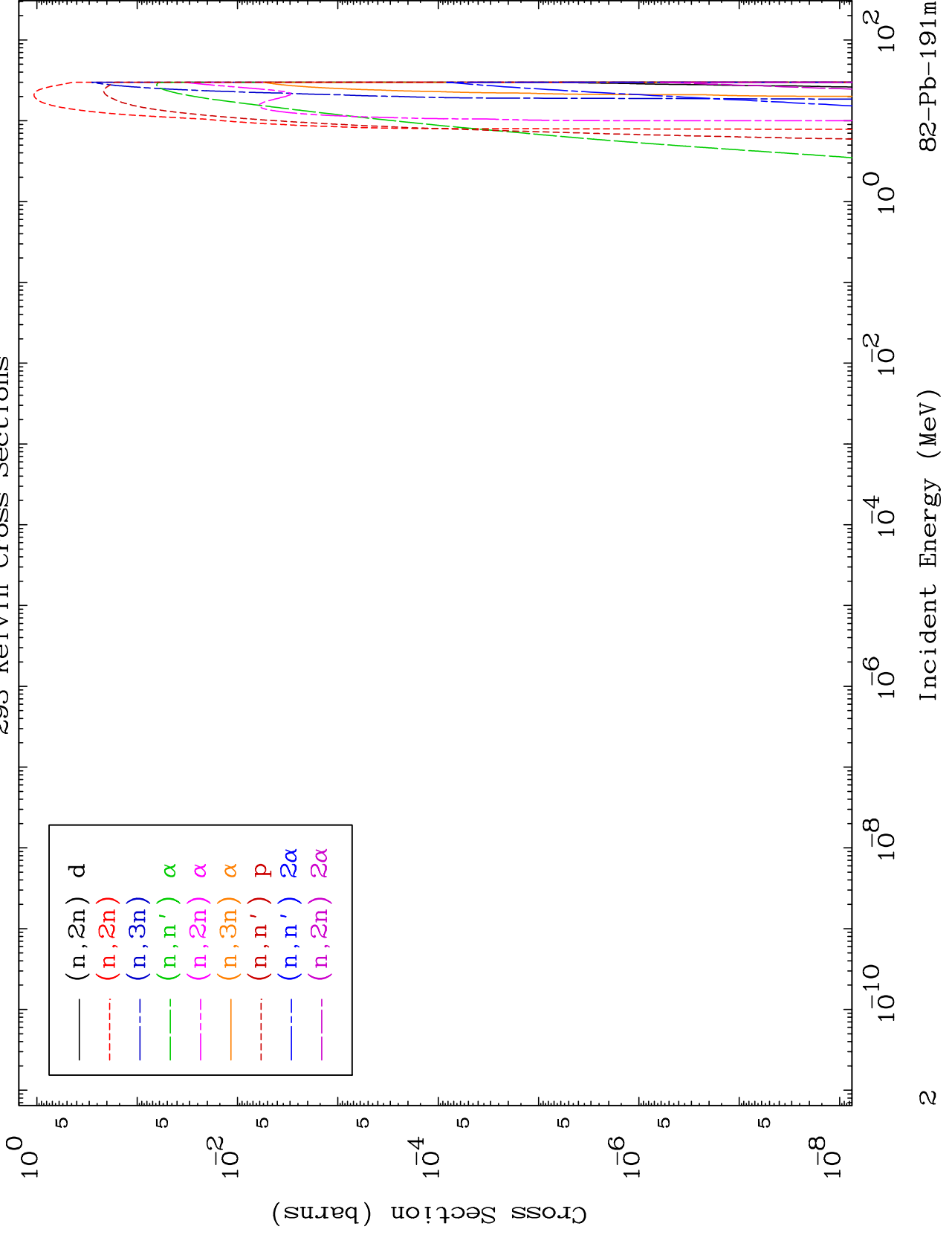
82-Pb-191m



MAT 8187

Neutron Absorption
293 Kelvin Cross Sections

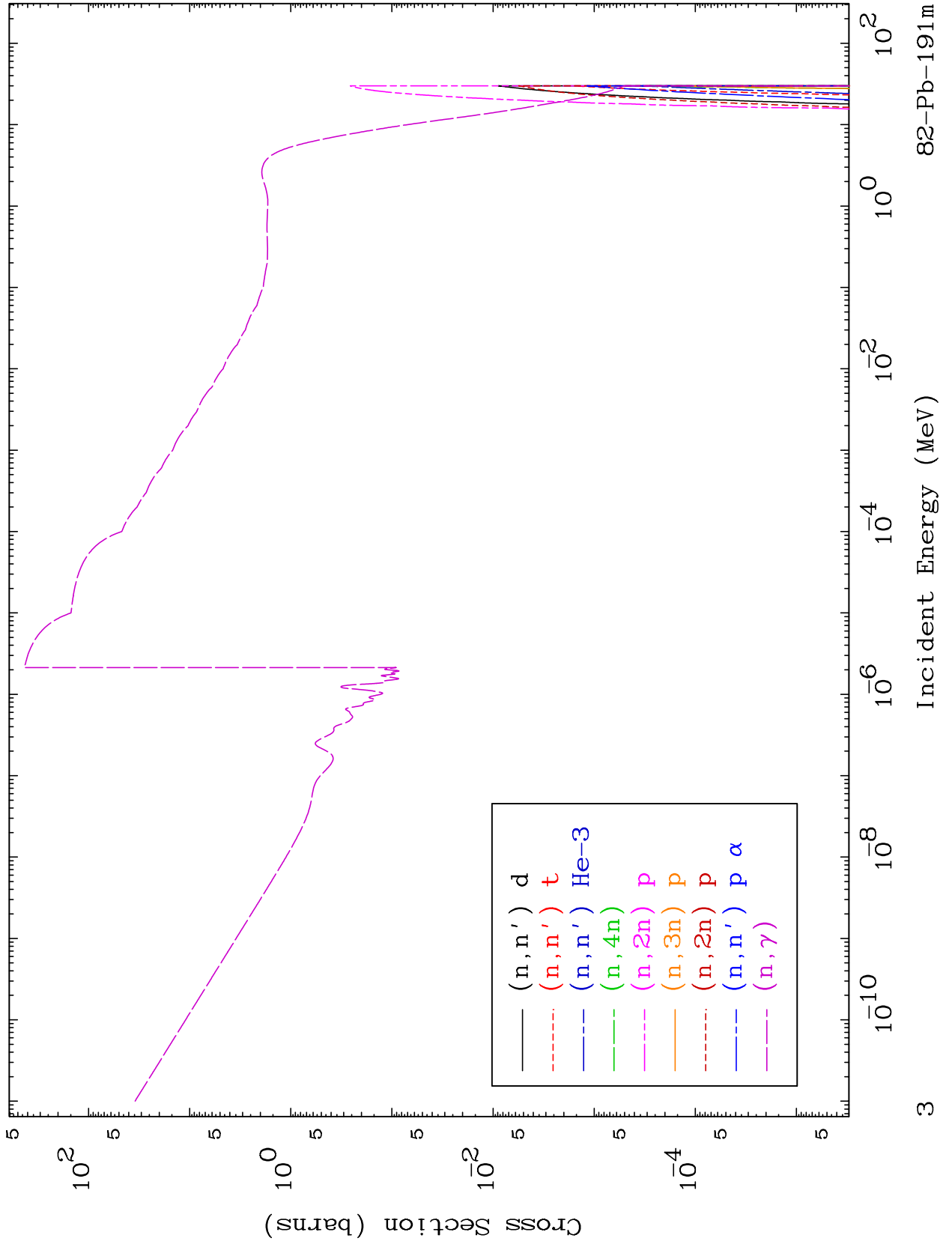
82-Pb-191m



MAT 8187

Neutron Absorption
293 Kelvin Cross Sections

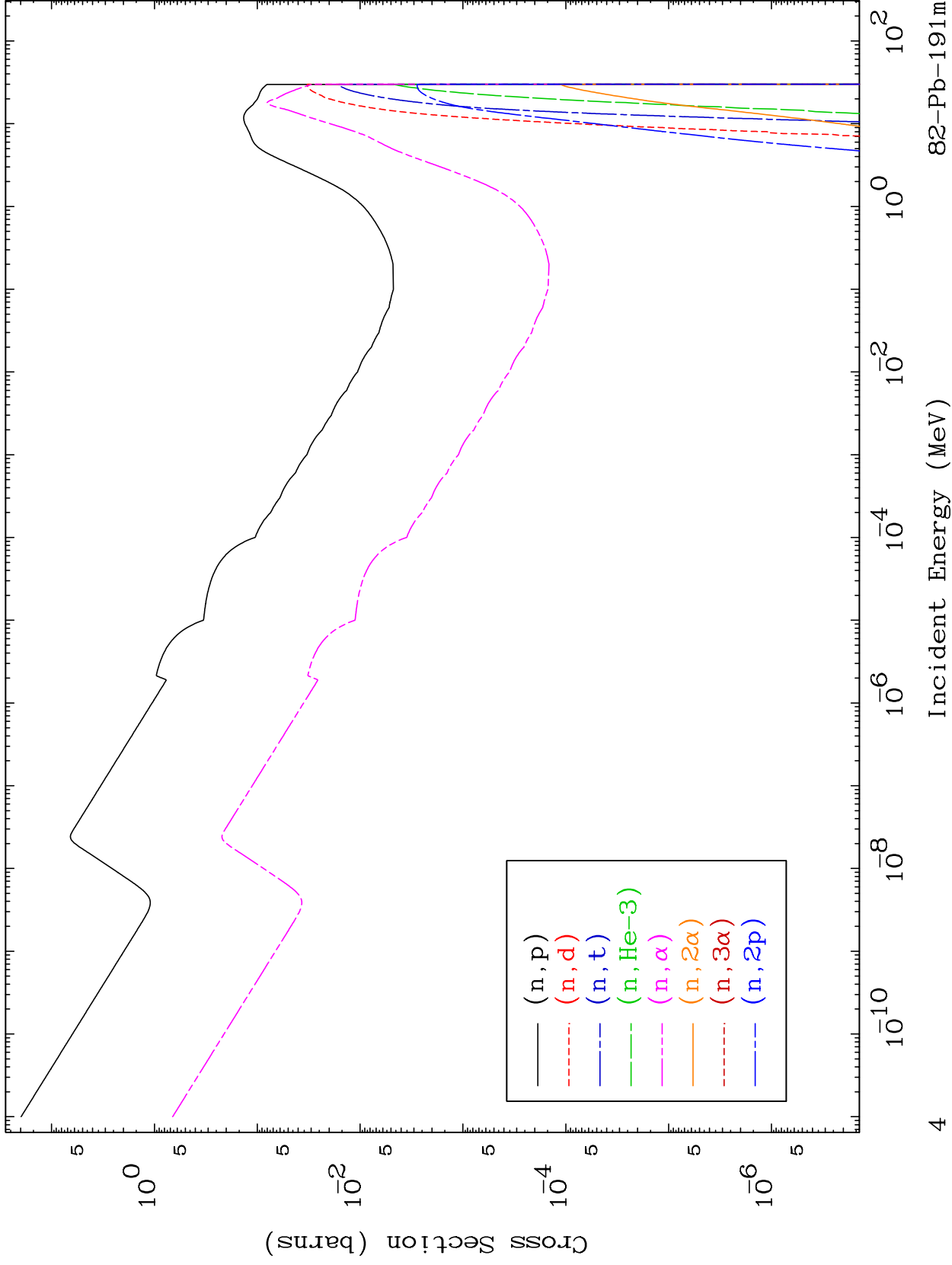
82-Pb-191m



MAT 8187

Neutron Absorption
293 Kelvin Cross Sections

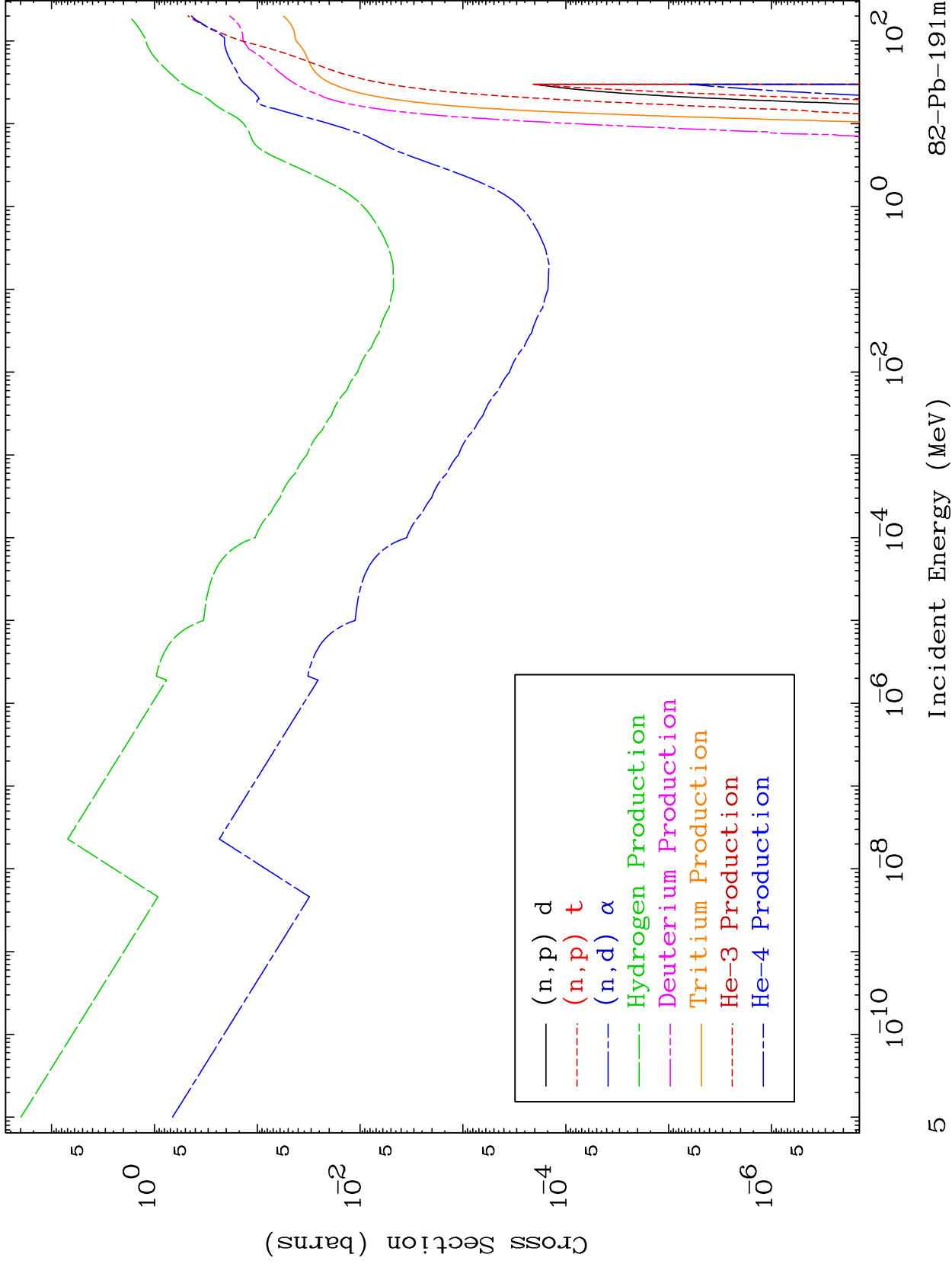
82-Pb-191m



MAT 8187

Neutron Absorption
293 Kelvin Cross Sections

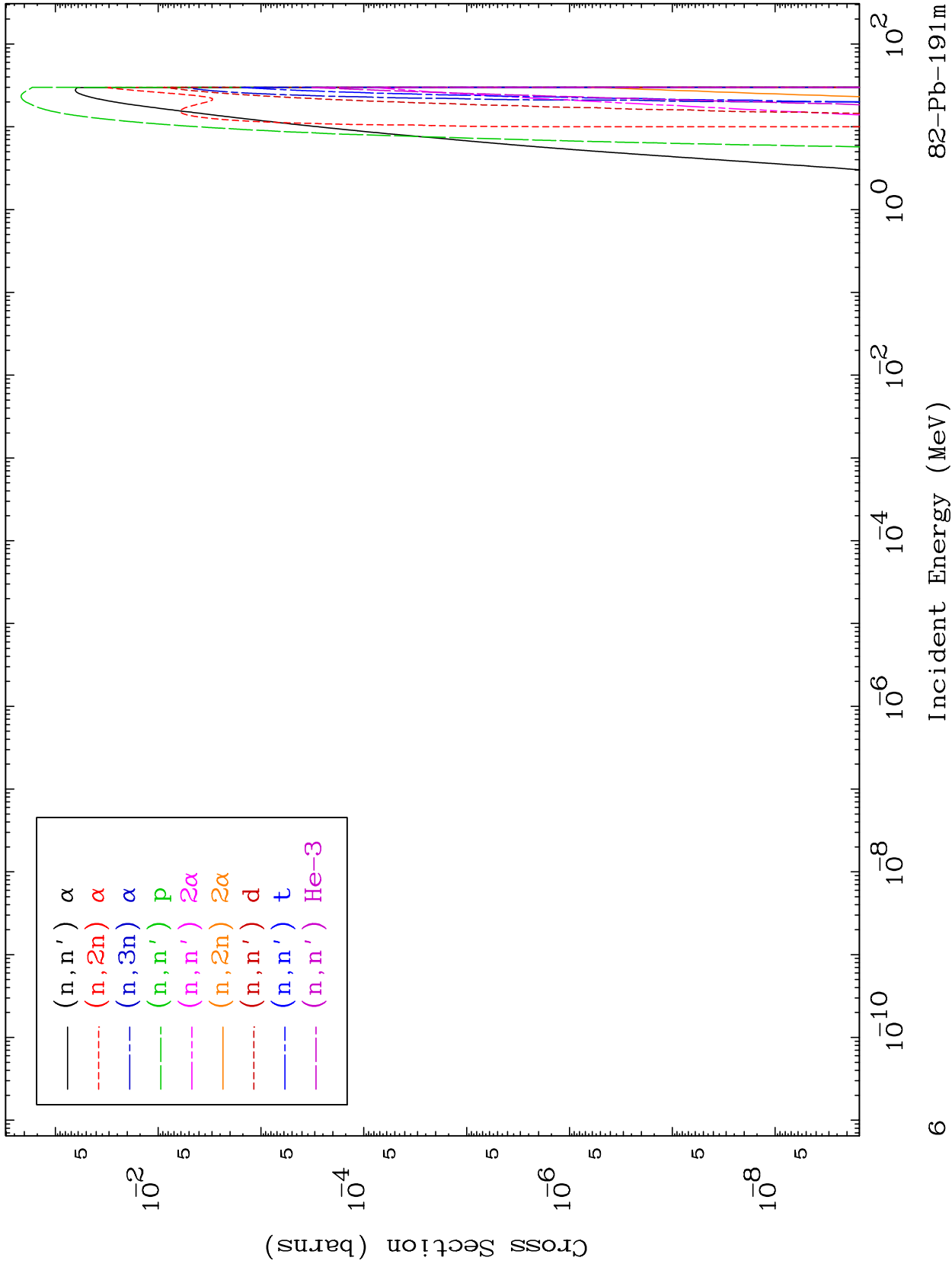
82-Pb-191m



MAT 8187

Charged Particle
293 Kelvin Cross Sections

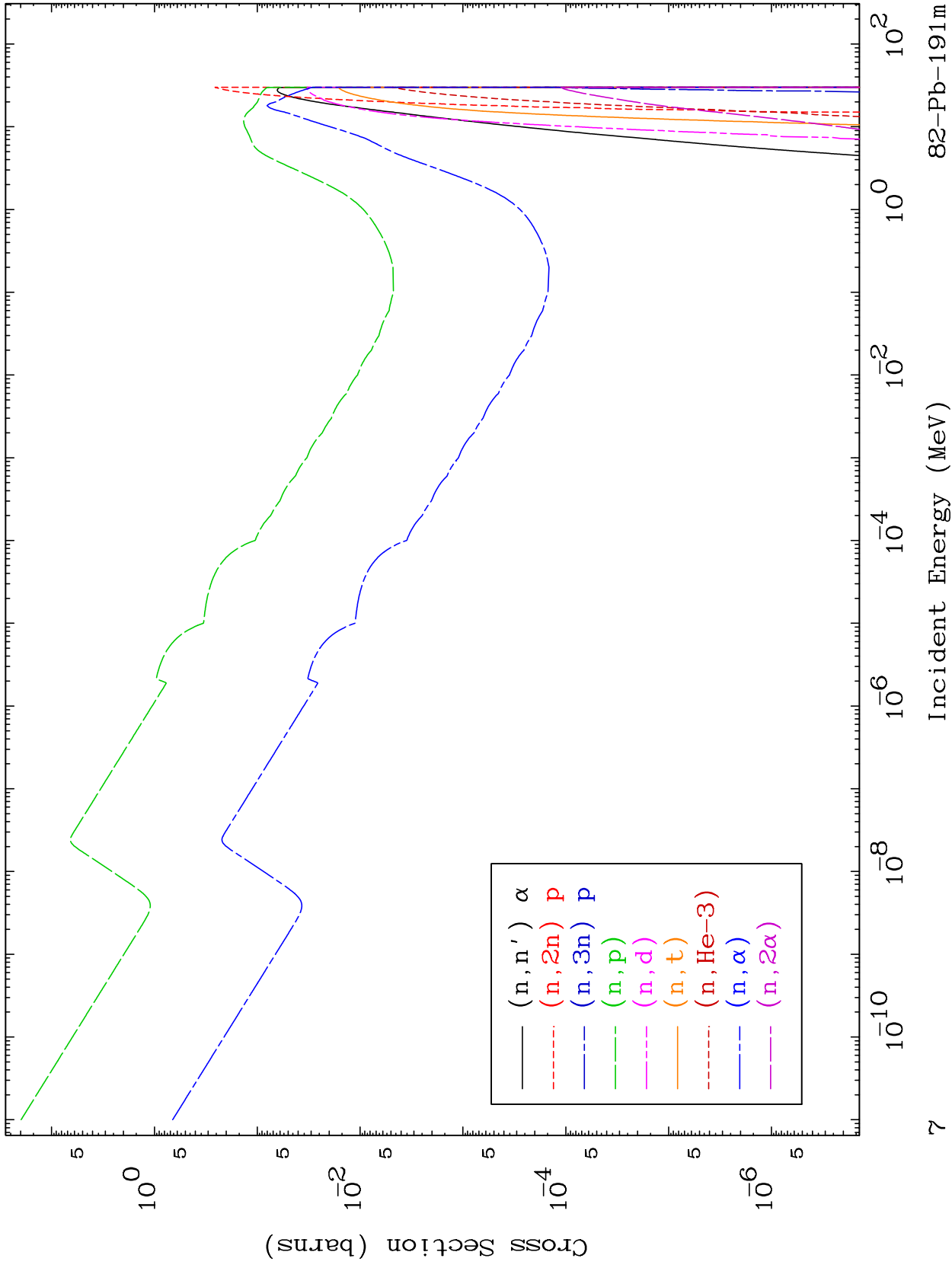
82-Pb-191m



MAT 8187

Charged Particle
293 Kelvin Cross Sections

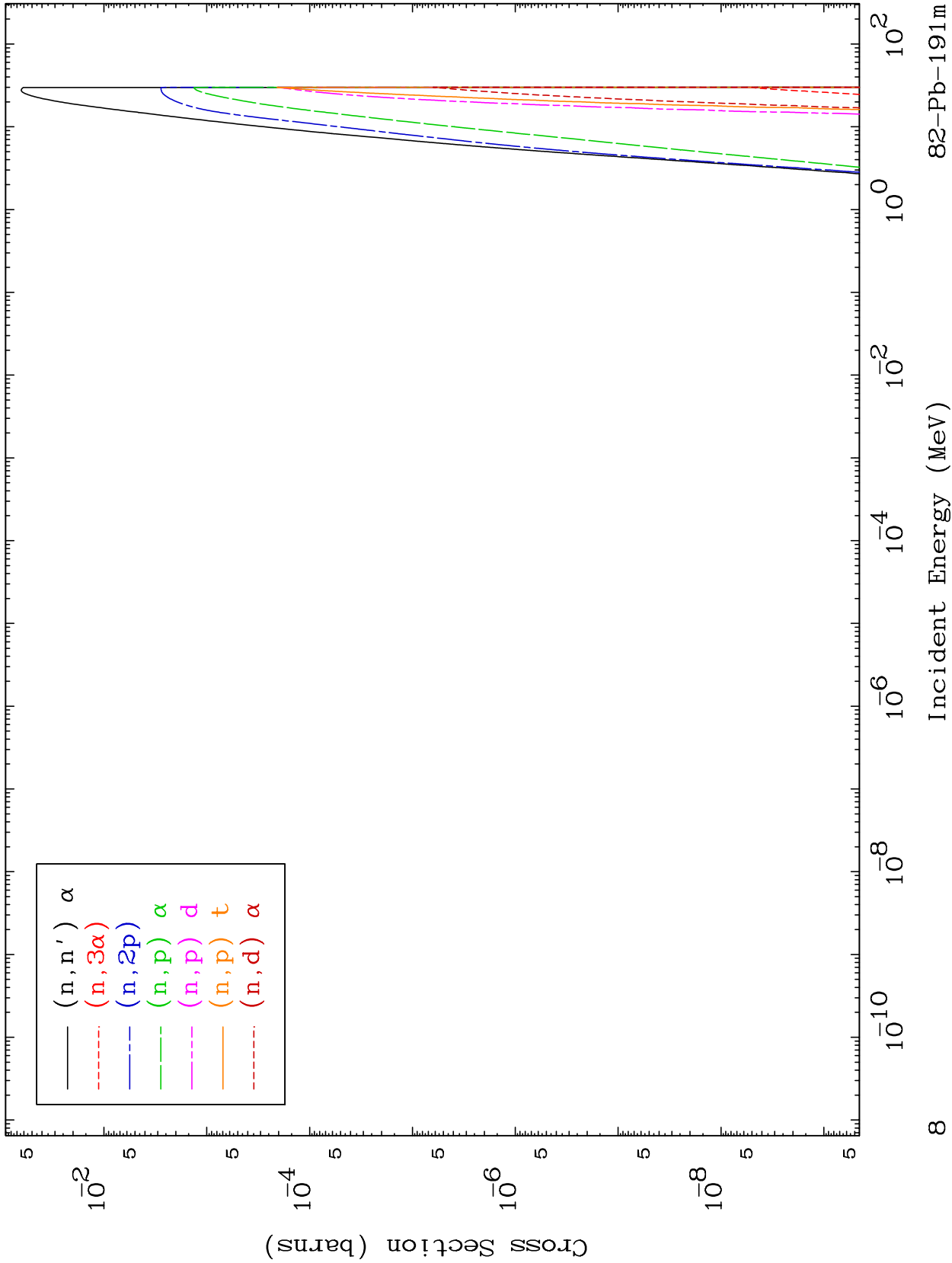
82-Pb-191m



MAT 8187

Charged Particle
293 Kelvin Cross Sections

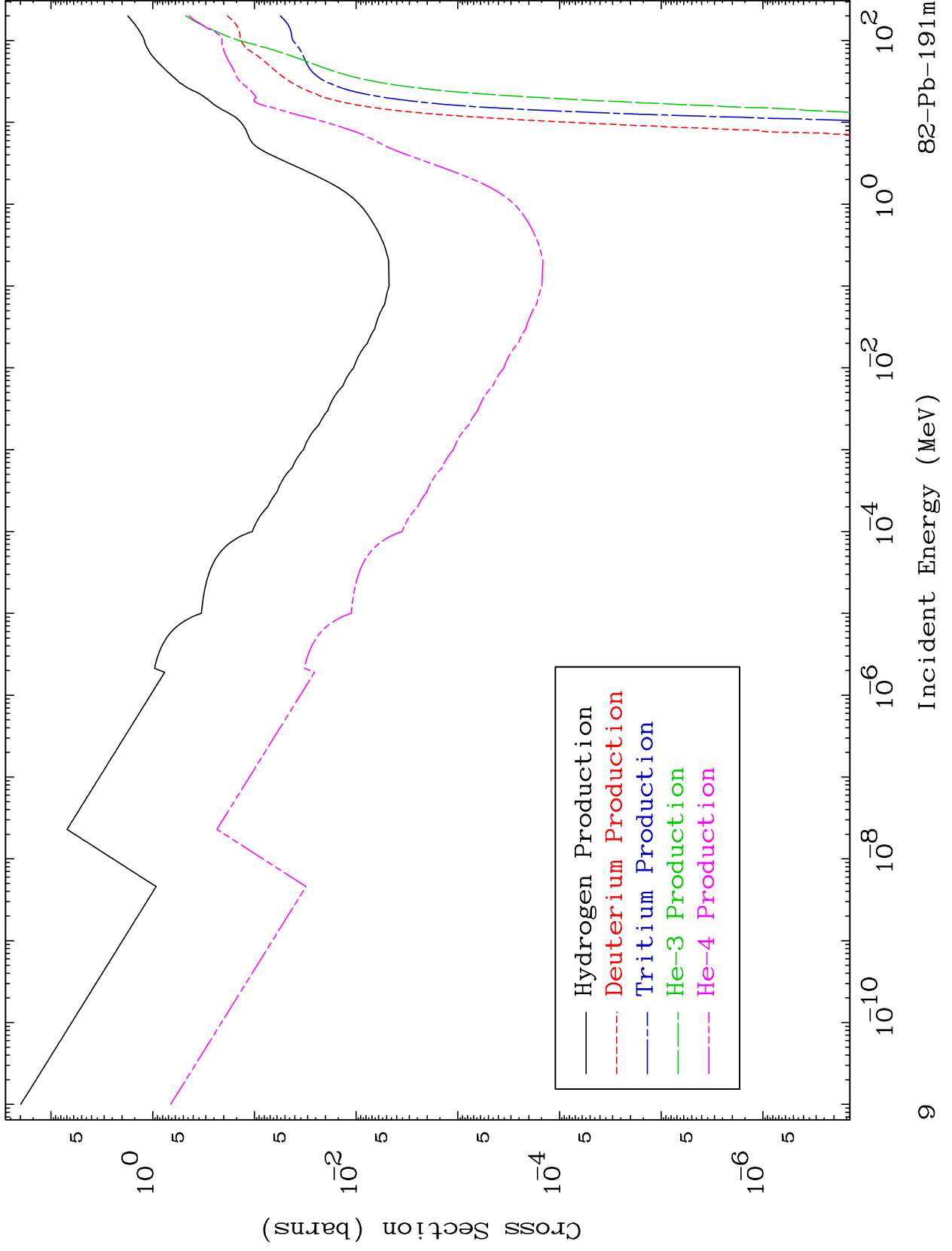
82-Pb-191m



MAT 8187

Particle Production
293 Kelvin Cross Sections

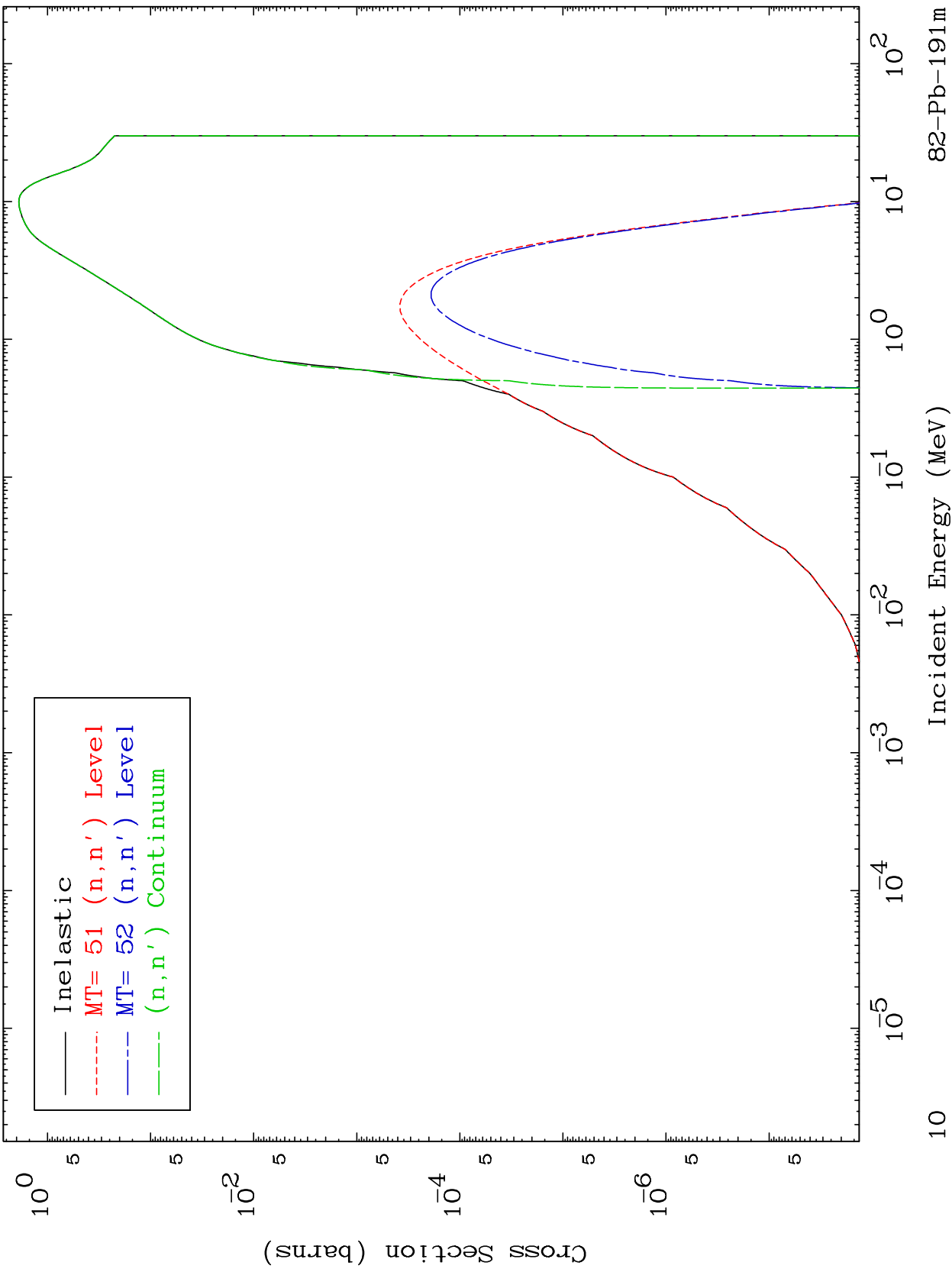
82-Pb-191m



MAT 8187

(n,n') Levels
293 Kelvin Cross Sections

82-Pb-191m



10

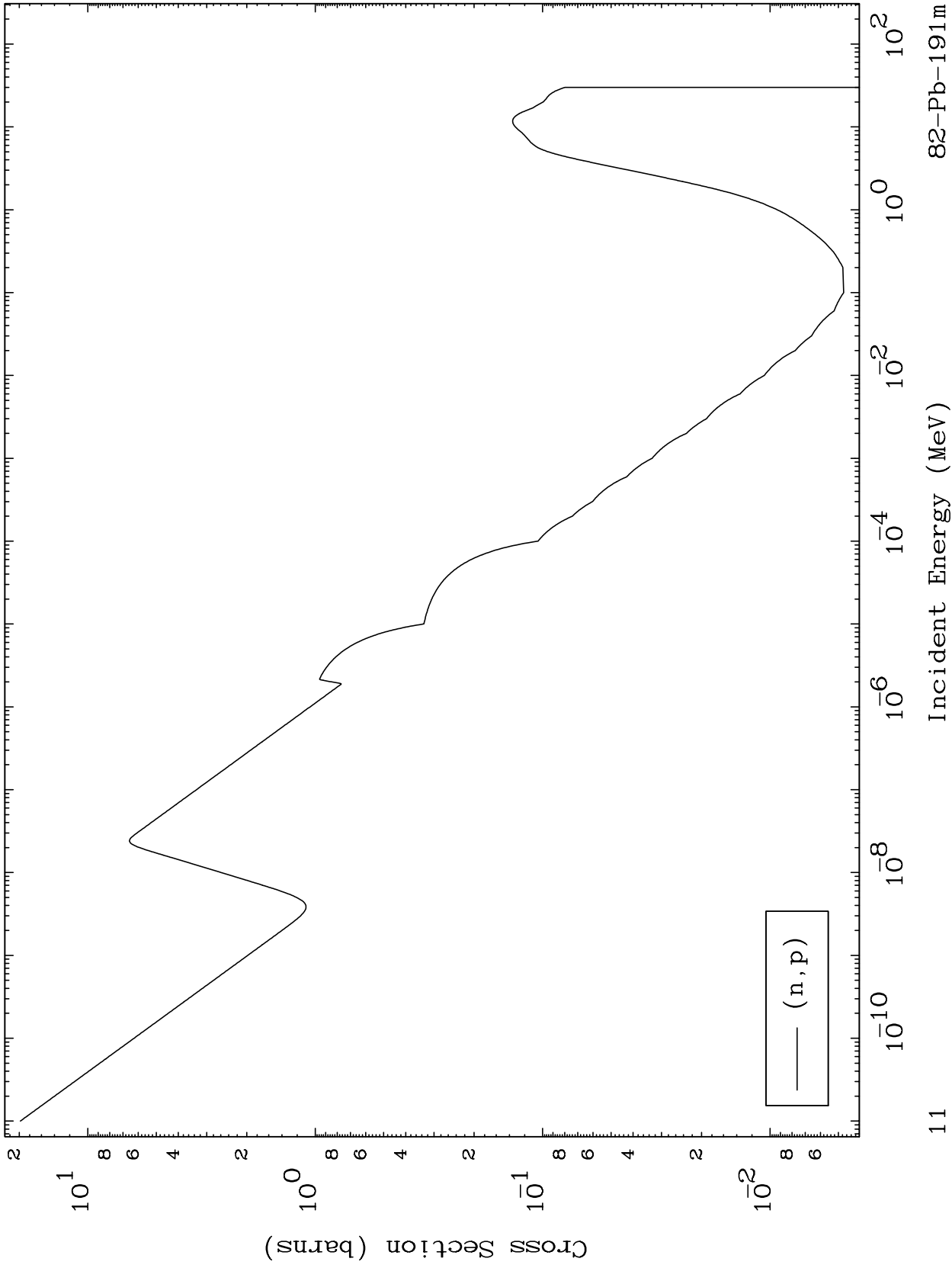
Incident Energy (MeV)

82-Pb-191m

MAT 8187

(n,p) Levels
293 Kelvin Cross Sections

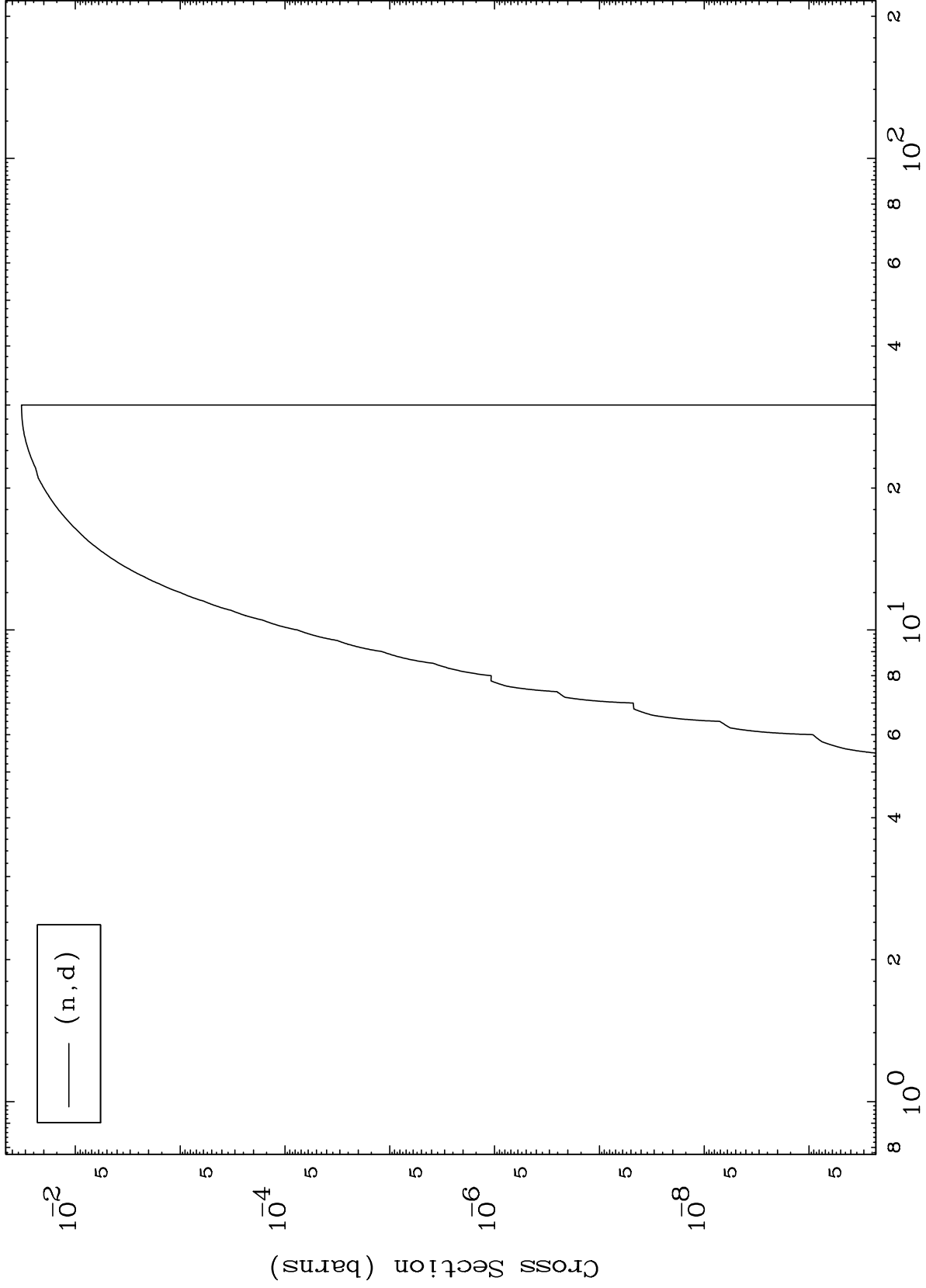
82-Pb-191m



MAT 8187

(n,d) Levels
293 Kelvin Cross Sections

82-Pb-191m



12

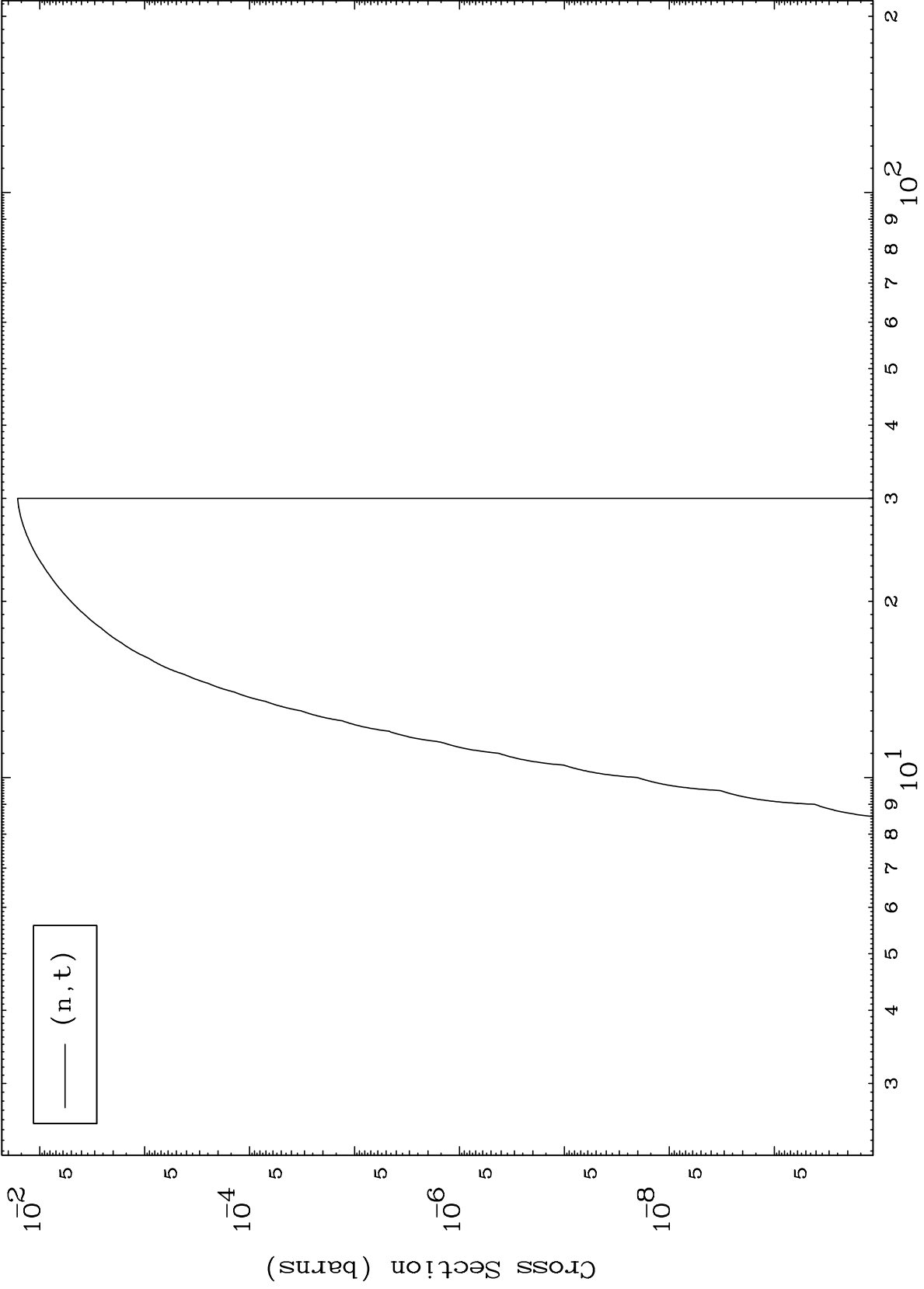
Incident Energy (MeV)

82-Pb-191m

MAT 8187

(n,t) Levels
293 Kelvin Cross Sections

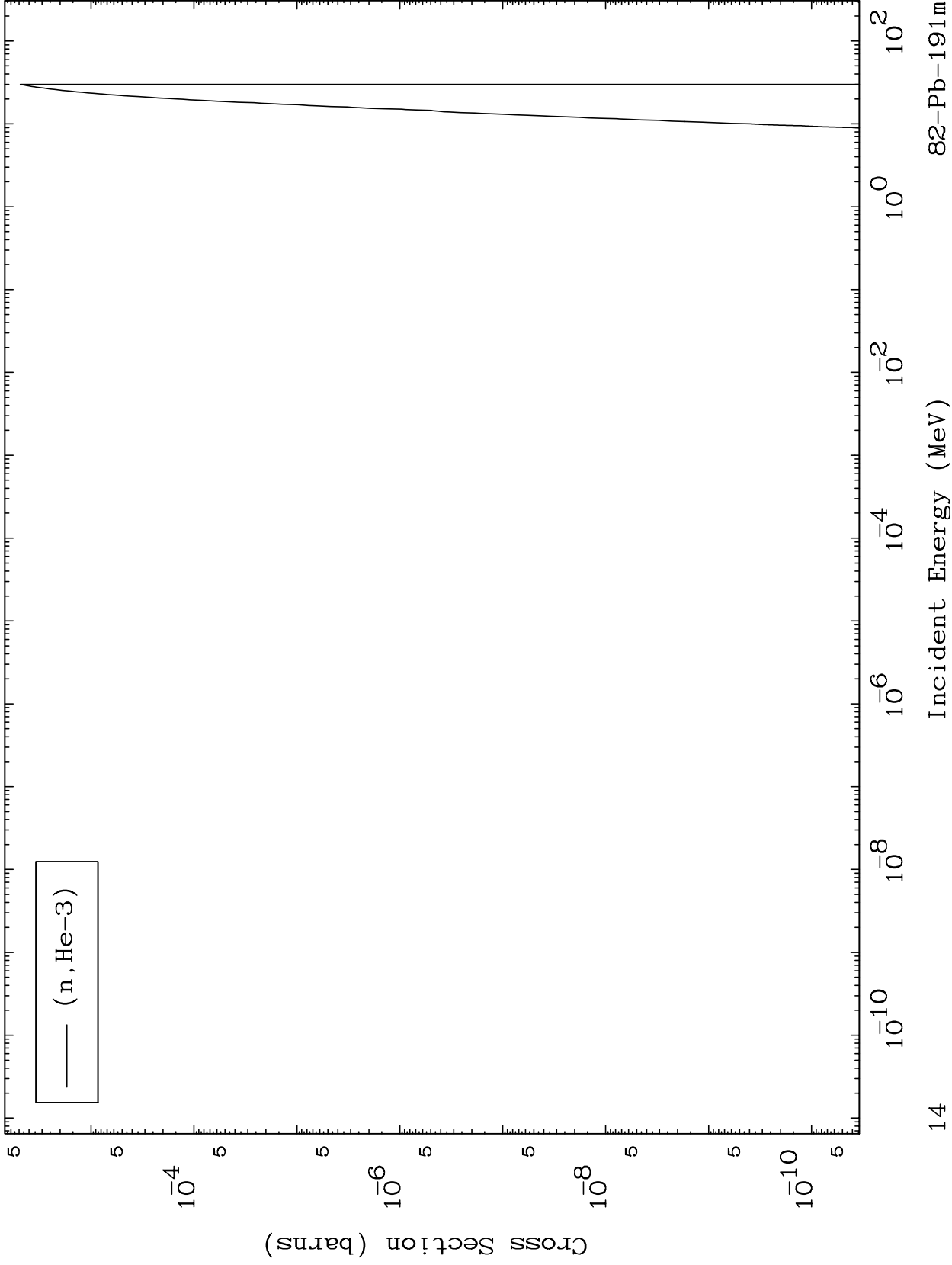
82-Pb-191m



MAT 8187

(n,He3) Levels
293 Kelvin Cross Sections

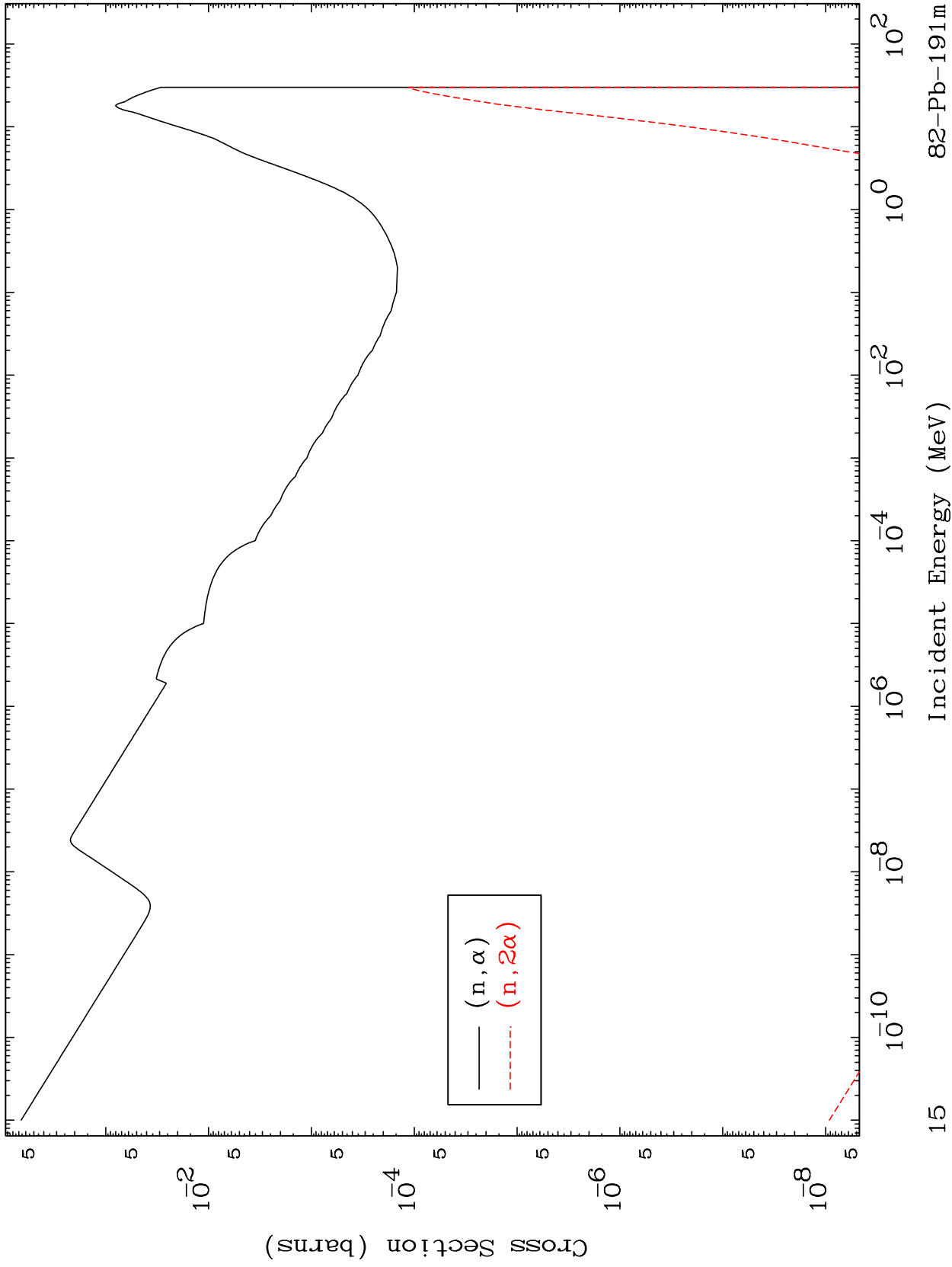
82-Pb-191m



MAT 8187

(n, α) Levels
293 Kelvin Cross Sections

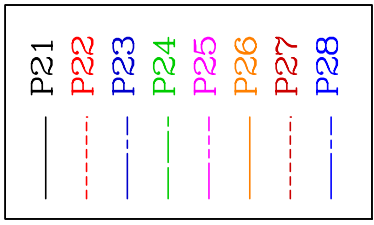
82-Pb-191m



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Elastic Legendre Coefficients

82-Pb-191m



$\times 10^{-6}$

1.2

0.8

0.4

0.0

Legendre (CM)

15

20

25

30

18

Incident Energy (MeV)

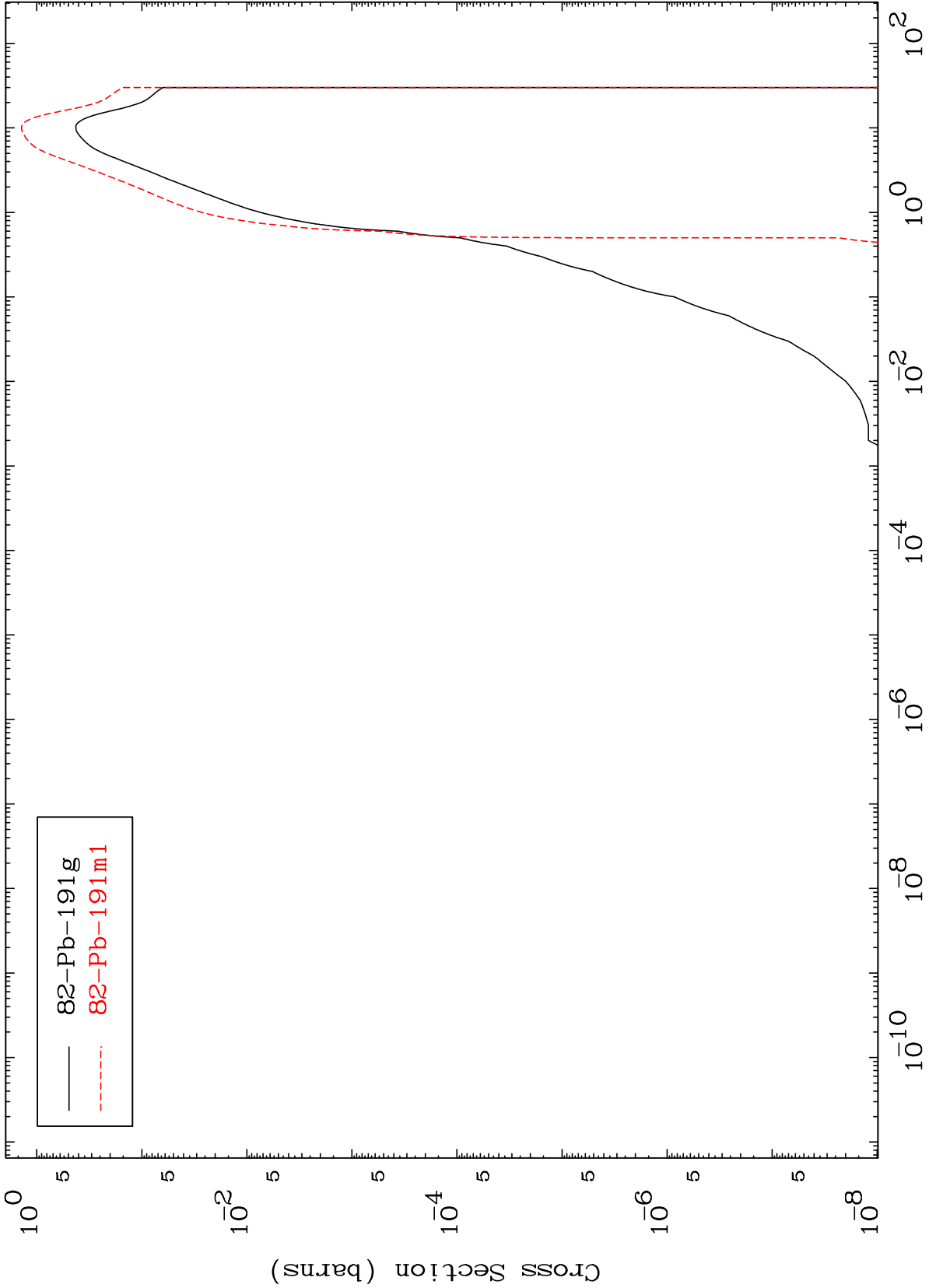
82-Pb-191m



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Inelastic
Radionuclide Production Cross Section

82-Pb-191m



82-Pb-191m

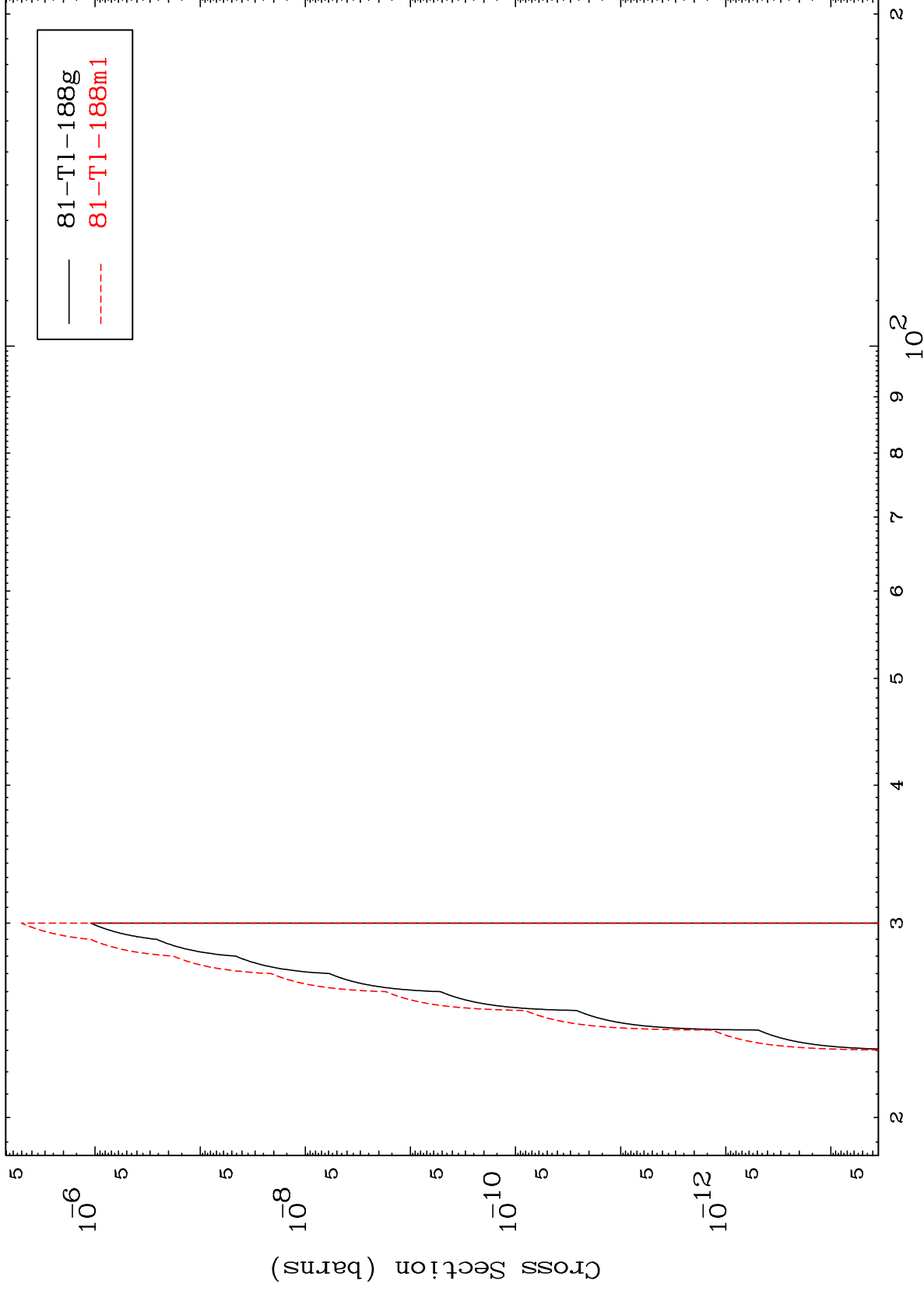
Incident Energy (MeV)

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(n,2n) d

82-Pb-191m

Radionuclide Production Cross Section



20

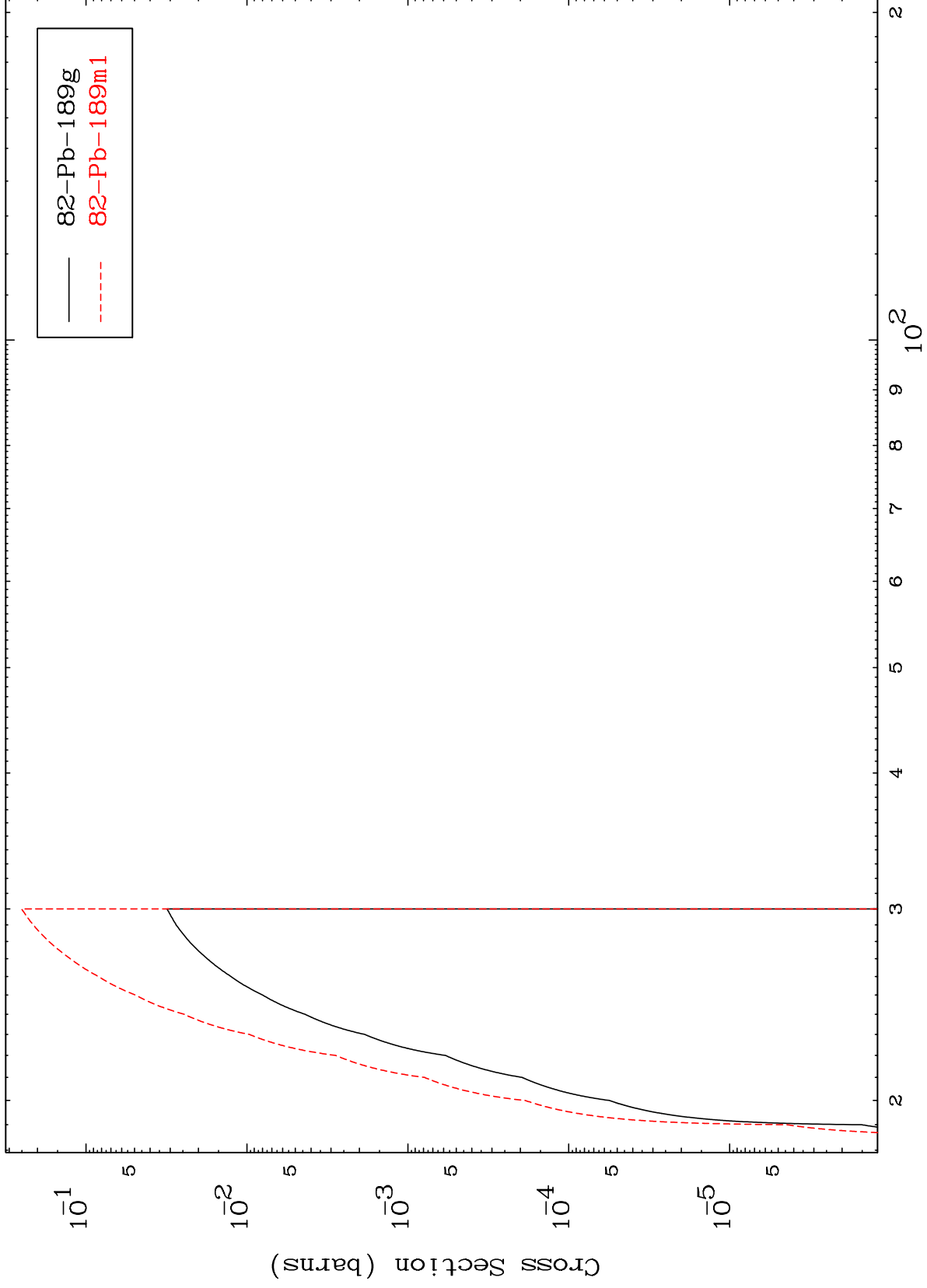
Incident Energy (MeV)

82-Pb-191m

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82-Pb-191m

(n,3n)
Radionuclide Production Cross Section



21

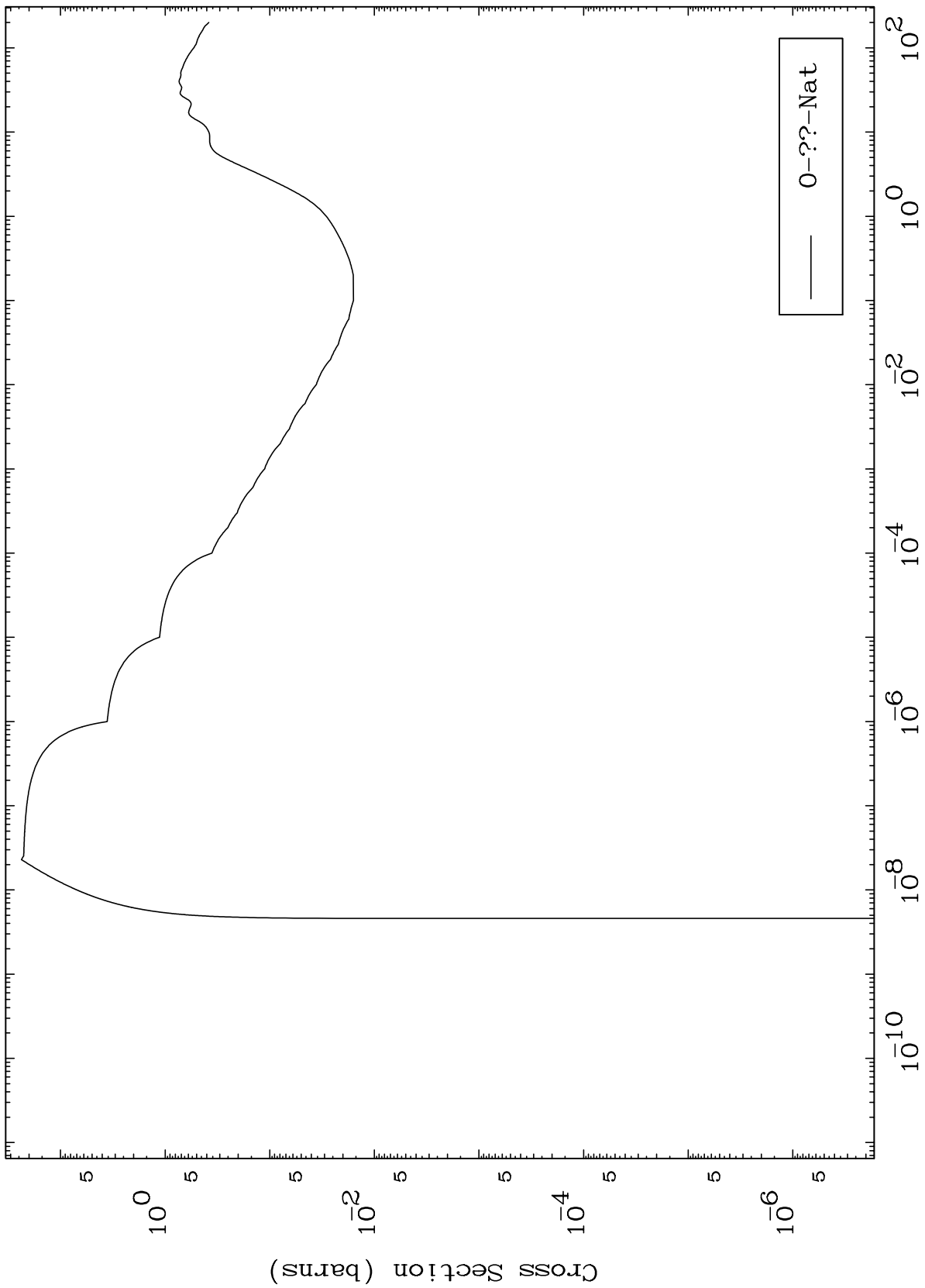
Incident Energy (MeV)

82-Pb-191m

MAT 8187

82-Pb-191m

Fission
Radionuclide Production Cross Section

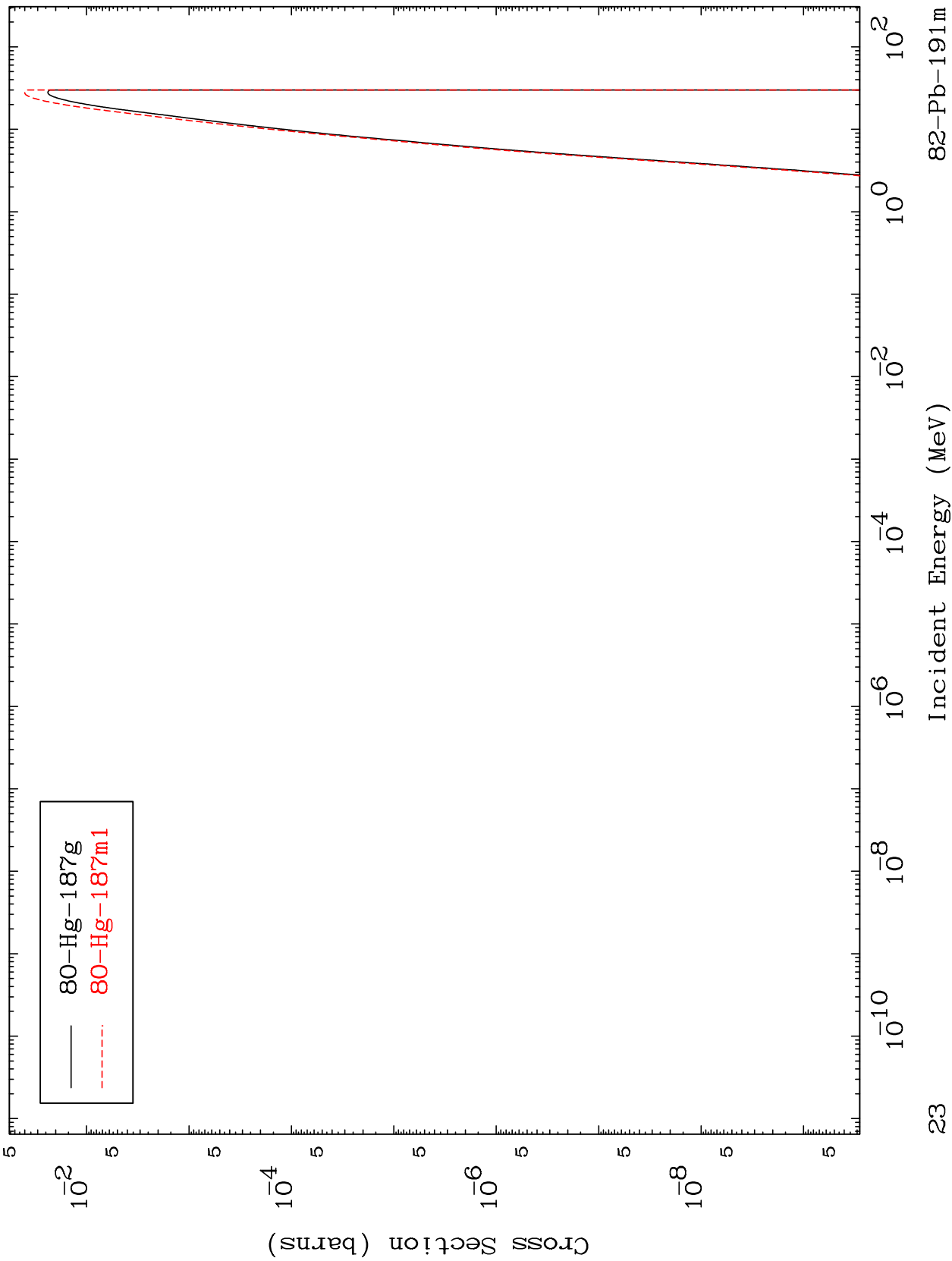


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(n,n') α

82-Pb-191m

Radionuclide Production Cross Section



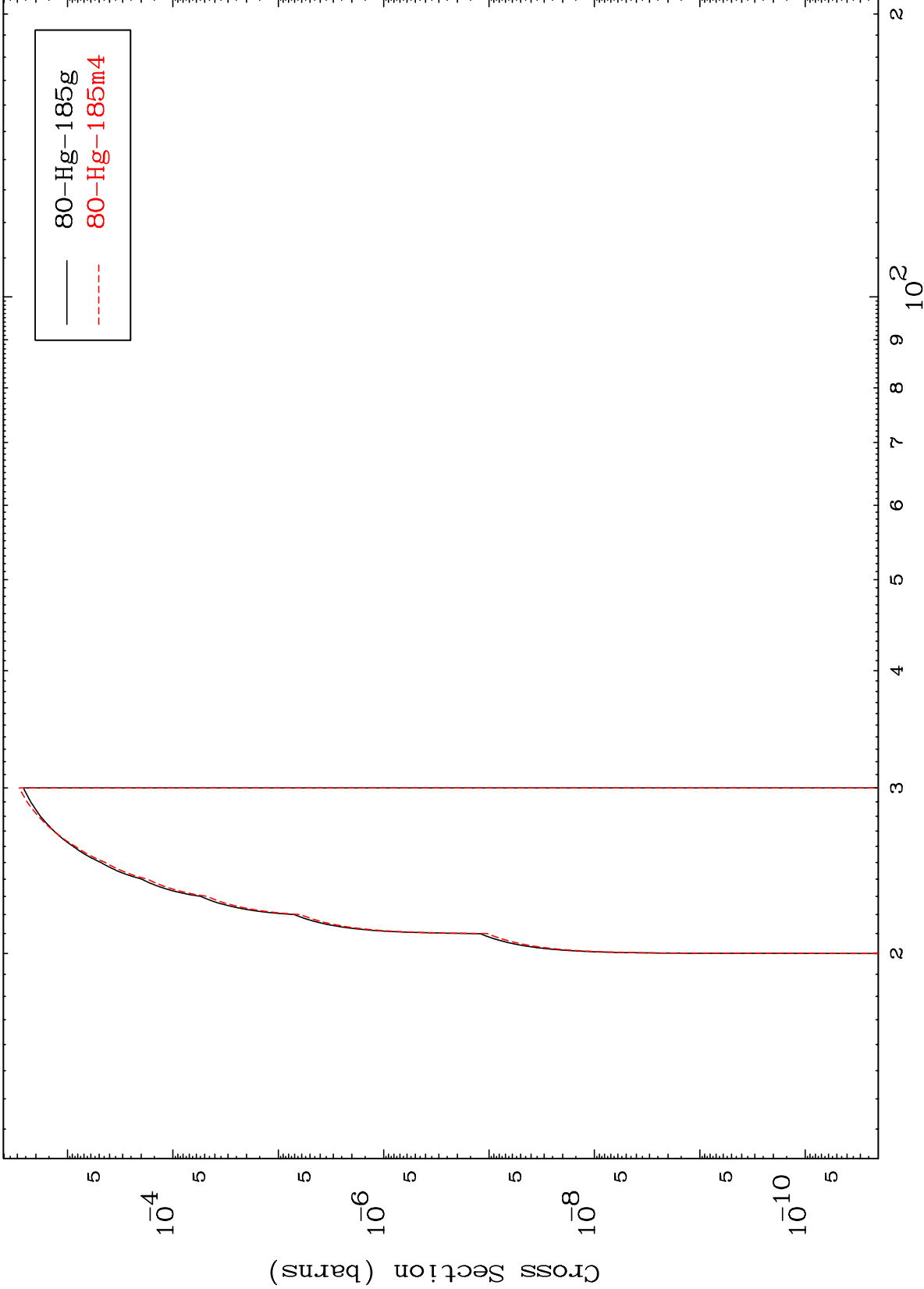
80-Hg-187g
80-Hg-187m1

MAT 8187

(n,3n) α

82-Pb-191m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

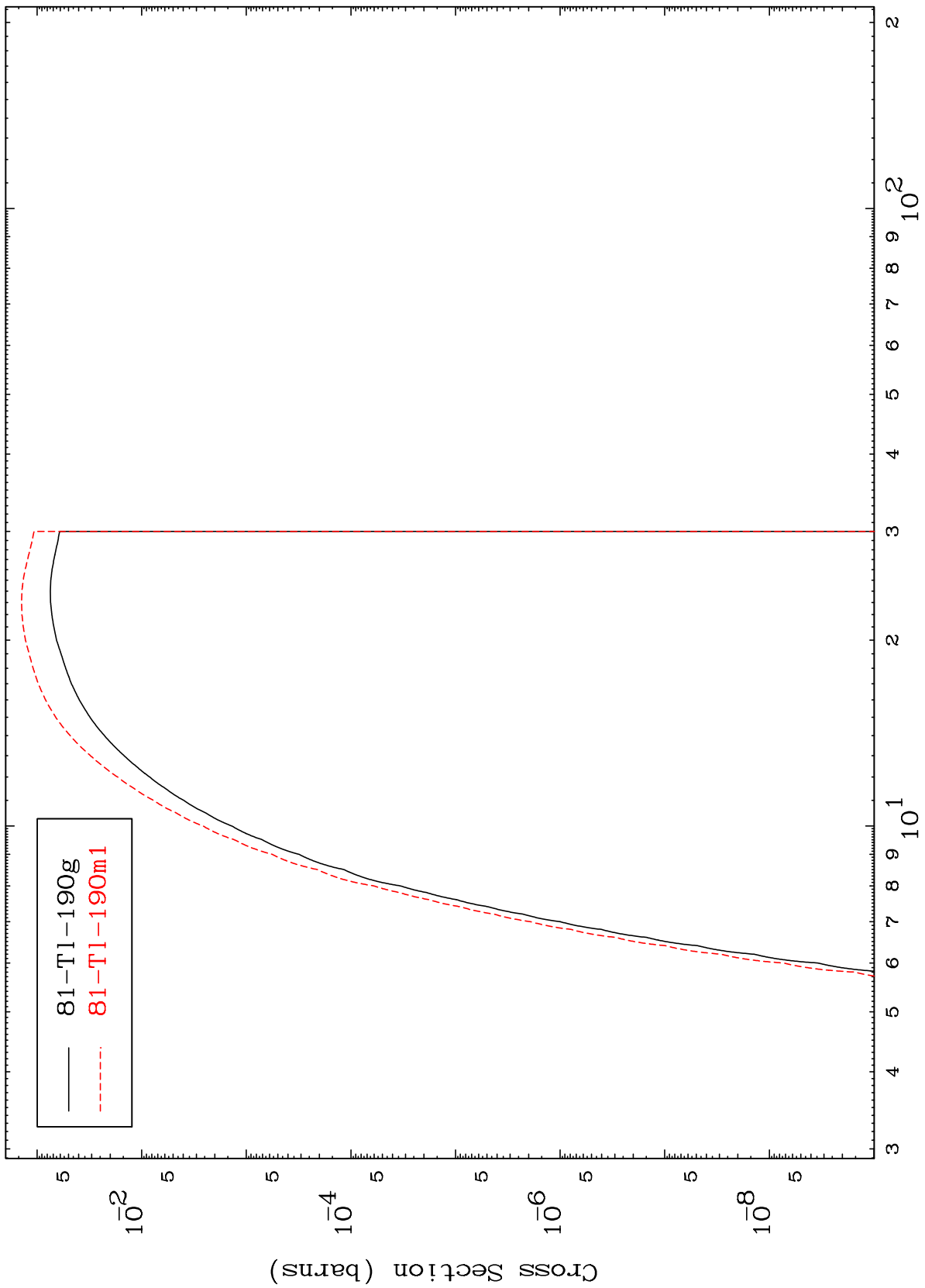
82-Pb-191m

MAT 8187

(n,n') p

82-Pb-191m

Radionuclide Production Cross Section



25

Incident Energy (MeV)

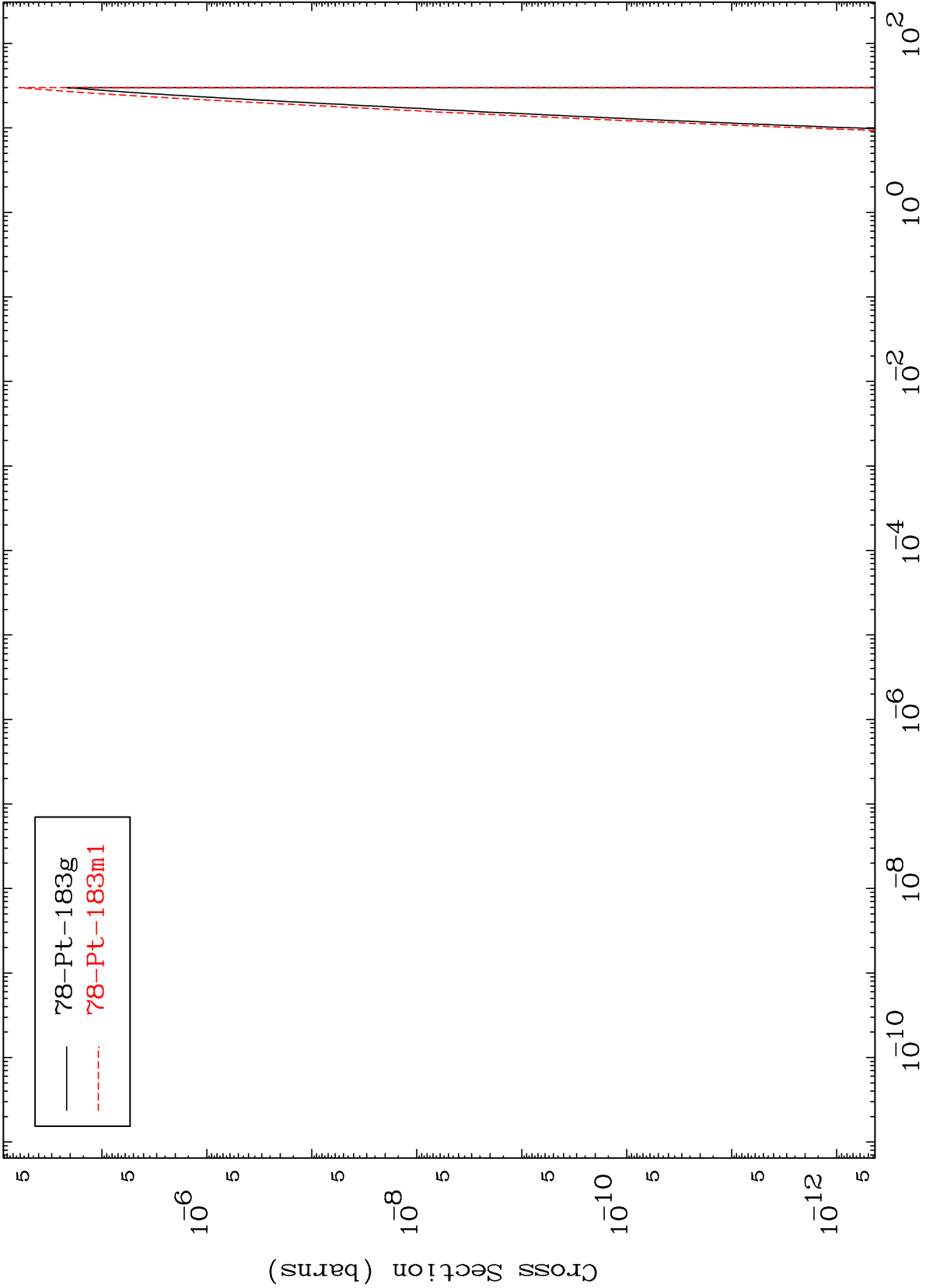
82-Pb-191m

MAT 8187

(n,n') 2α

82-Pb-191m

Radionuclide Production Cross Section

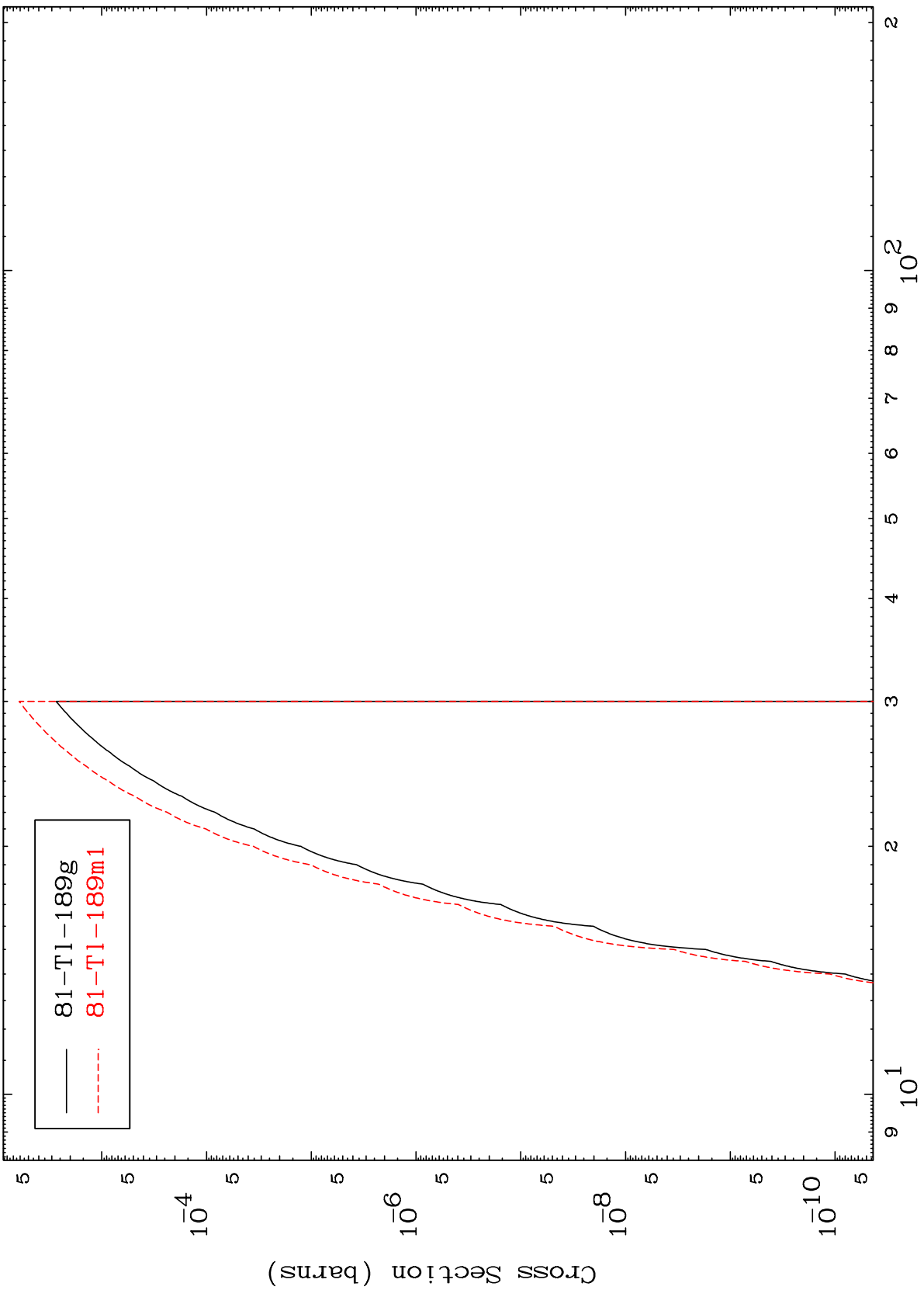


MAT 8187

(n,n') d

82-Pb-191m

Radionuclide Production Cross Section

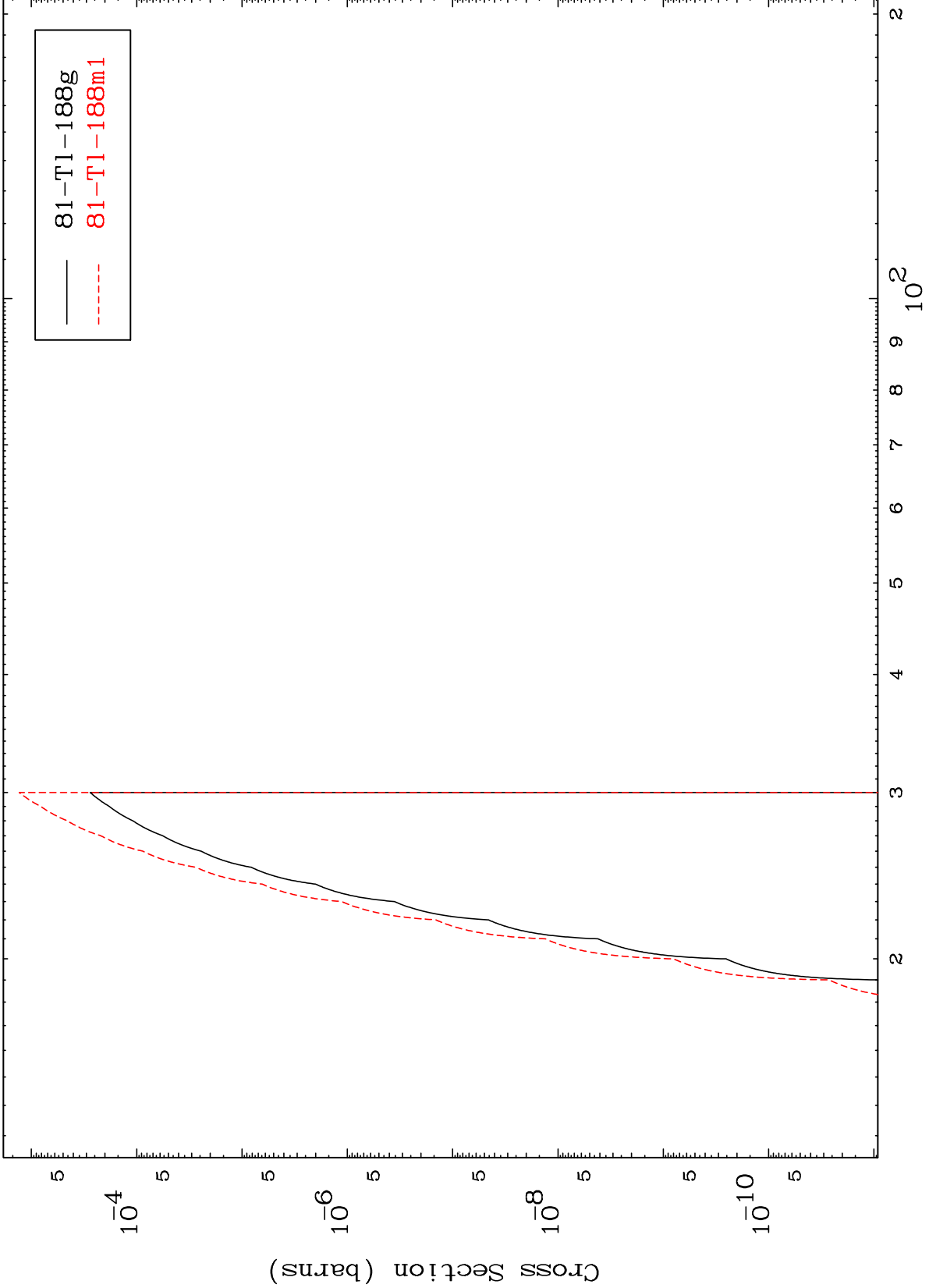


27

Incident Energy (MeV)

82-Pb-191m

Radionuclide Production Cross Section

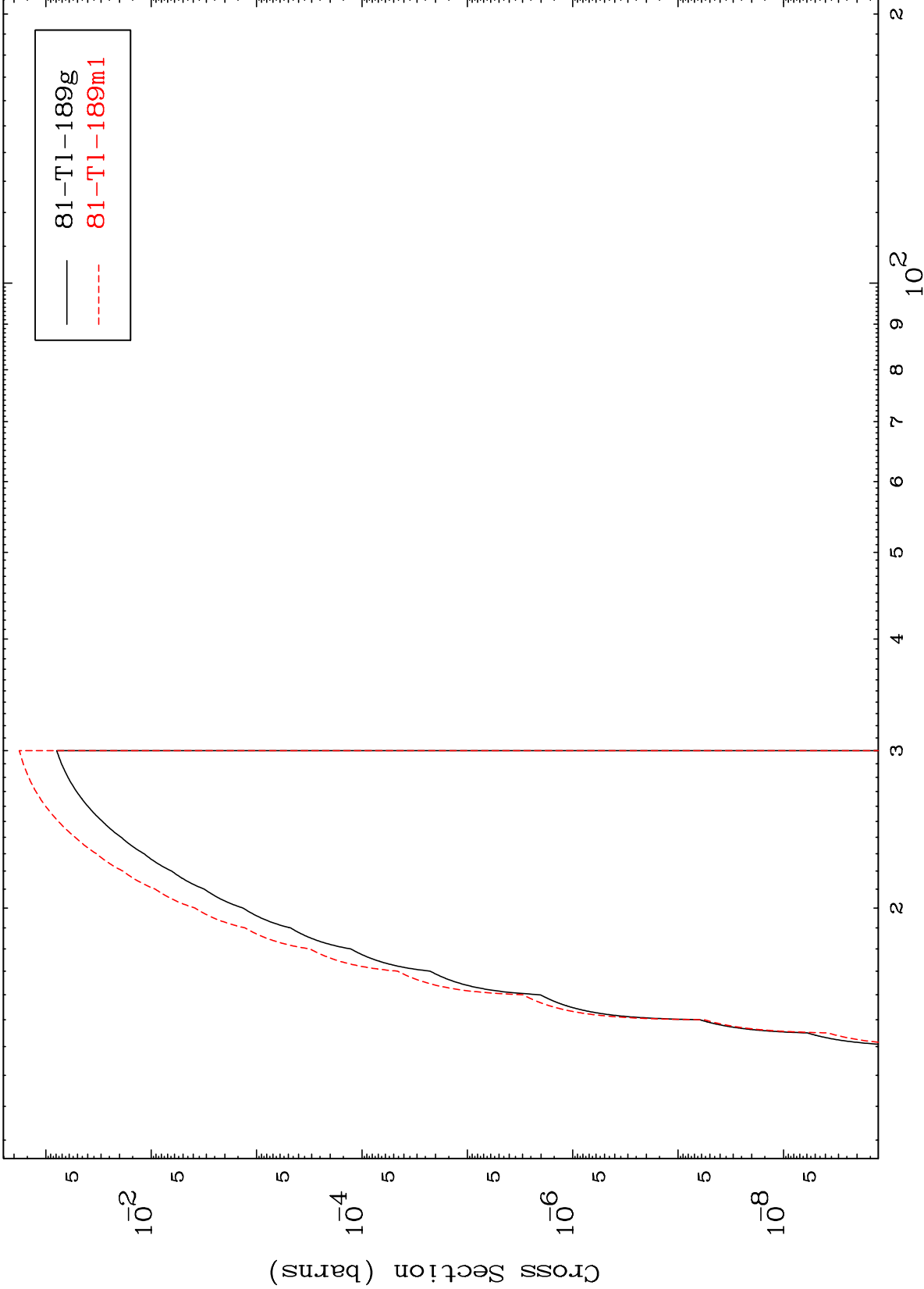


MAT 8187

(n,2n) p

82-Pb-191m

Radionuclide Production Cross Section



29

Incident Energy (MeV)

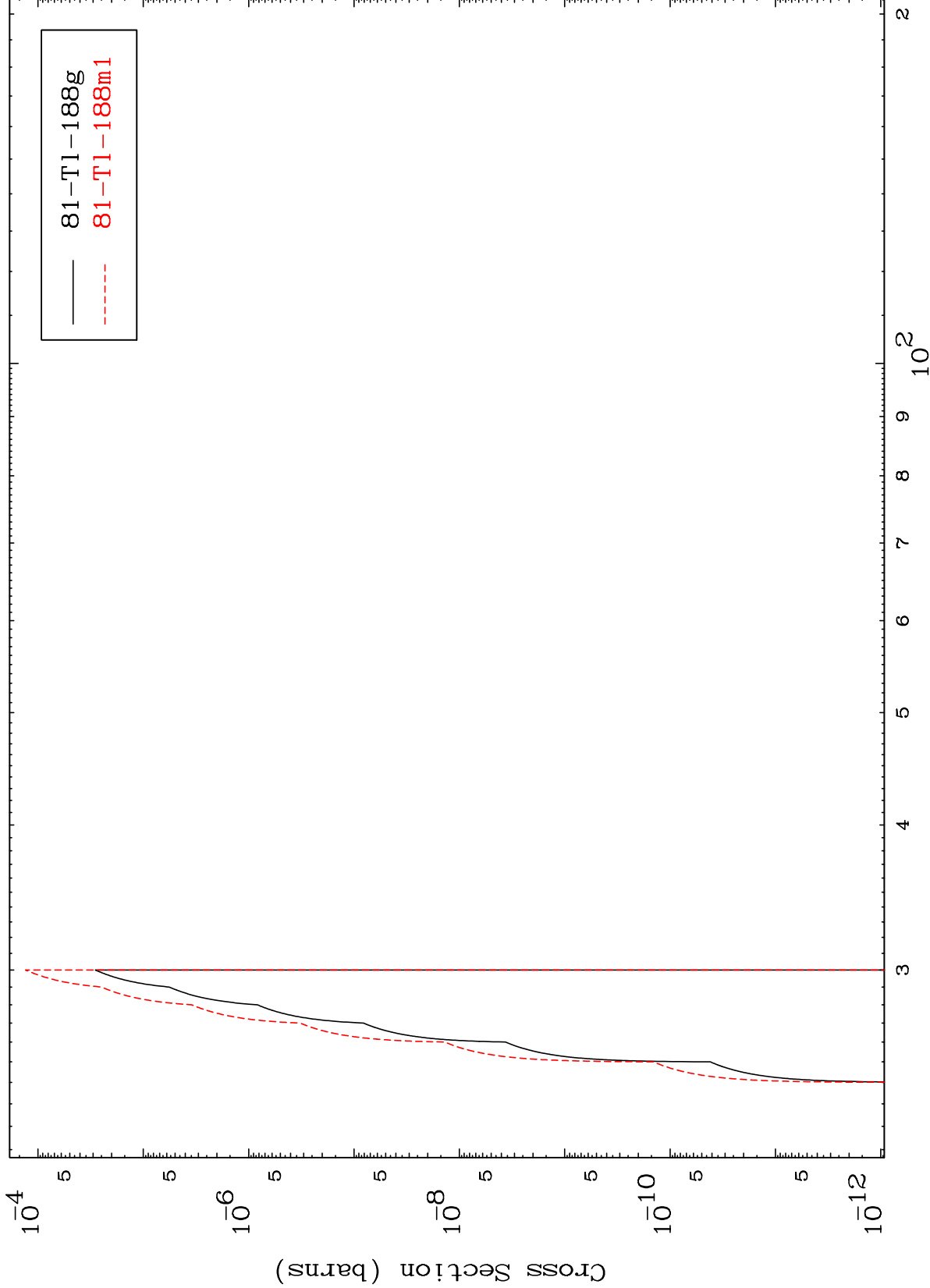
82-Pb-191m

MAT 8187

(n,3n) p

82-Pb-191m

Radionuclide Production Cross Section



30

Incident Energy (MeV)

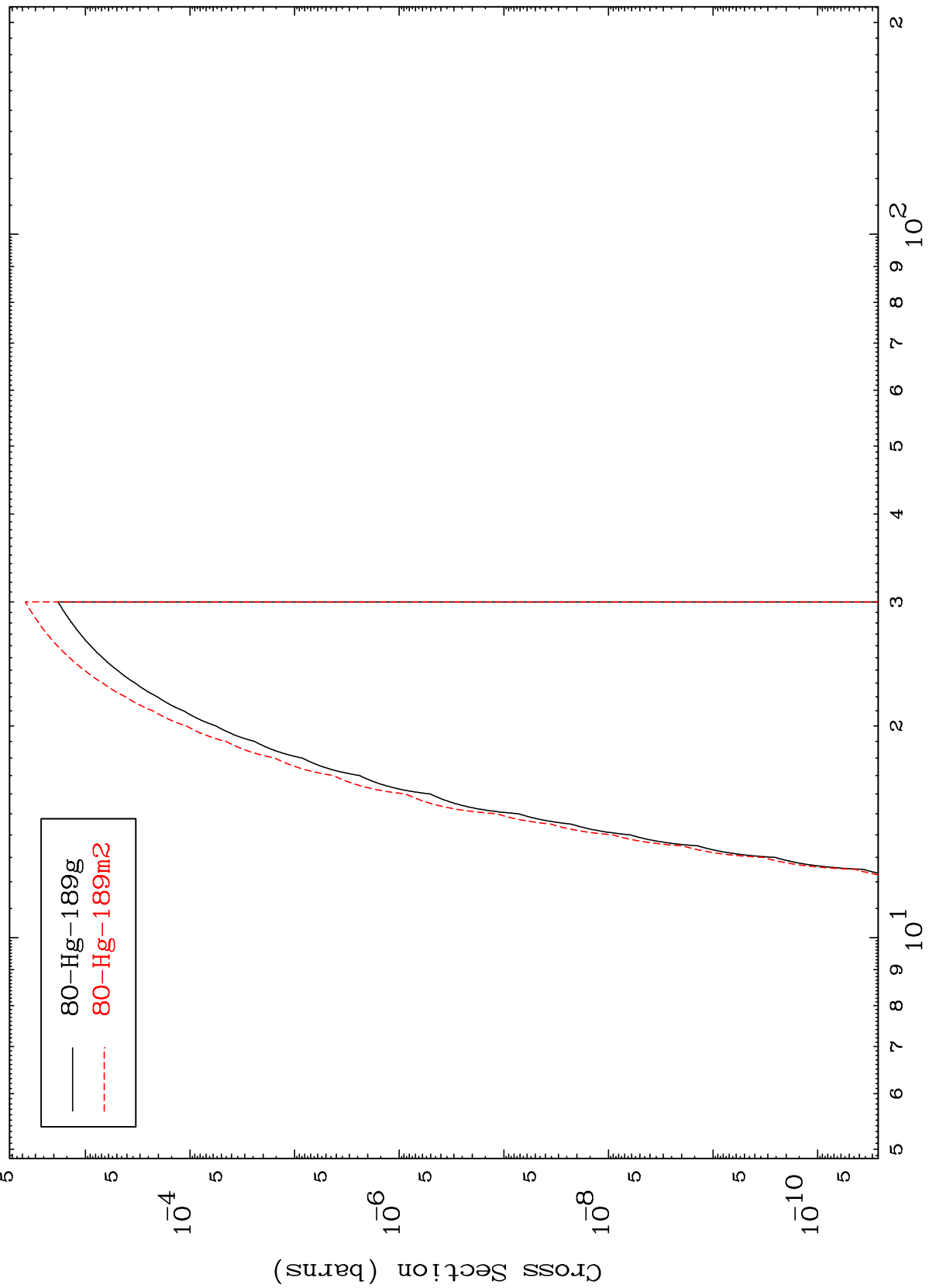
82-Pb-191m

MAT 8187

(n,2n) p

82-Pb-191m

Radionuclide Production Cross Section



31

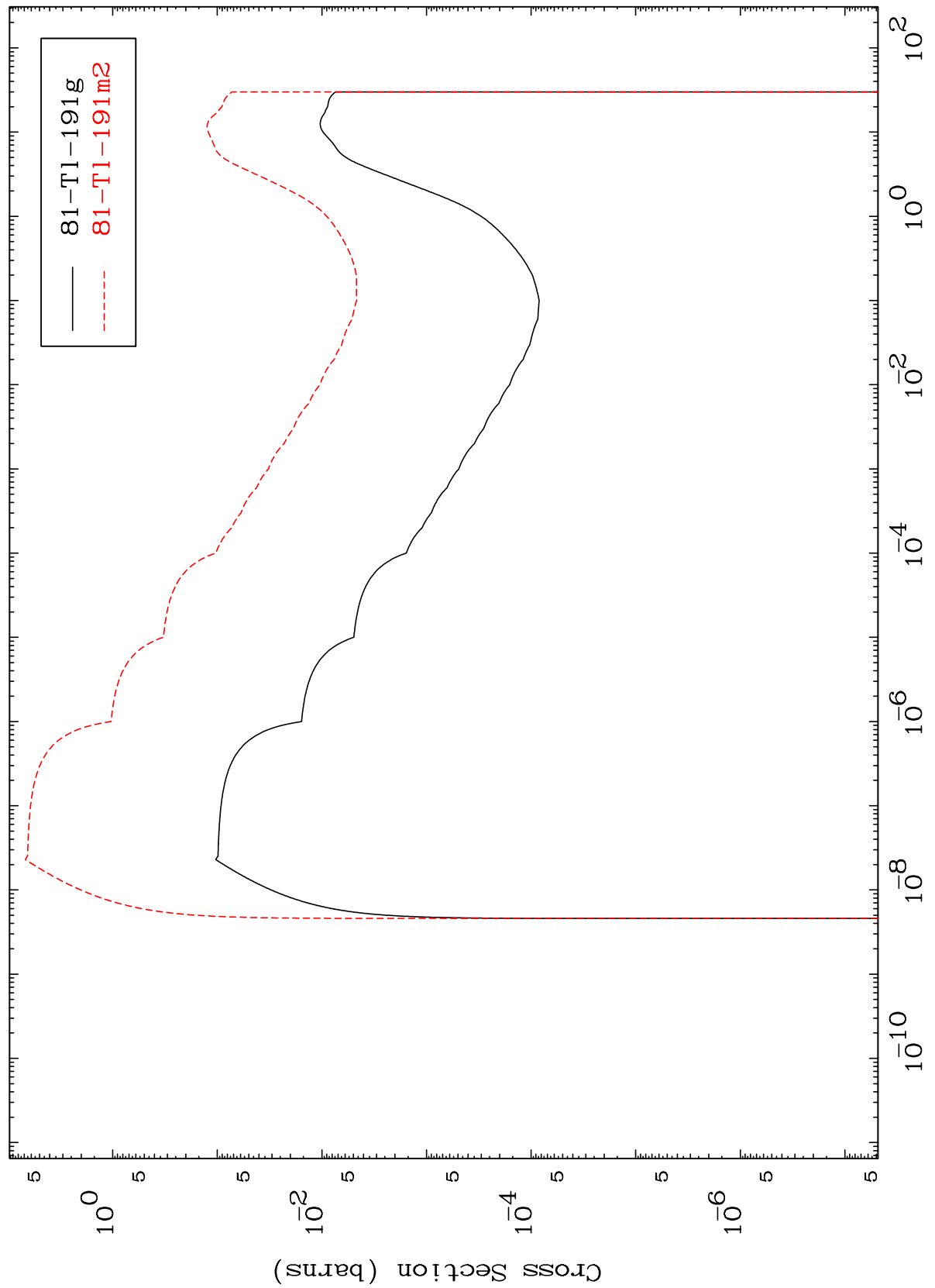
Incident Energy (MeV)

82-Pb-191m

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82-Pb-191m

(n,p)
Radionuclide Production Cross Section



32

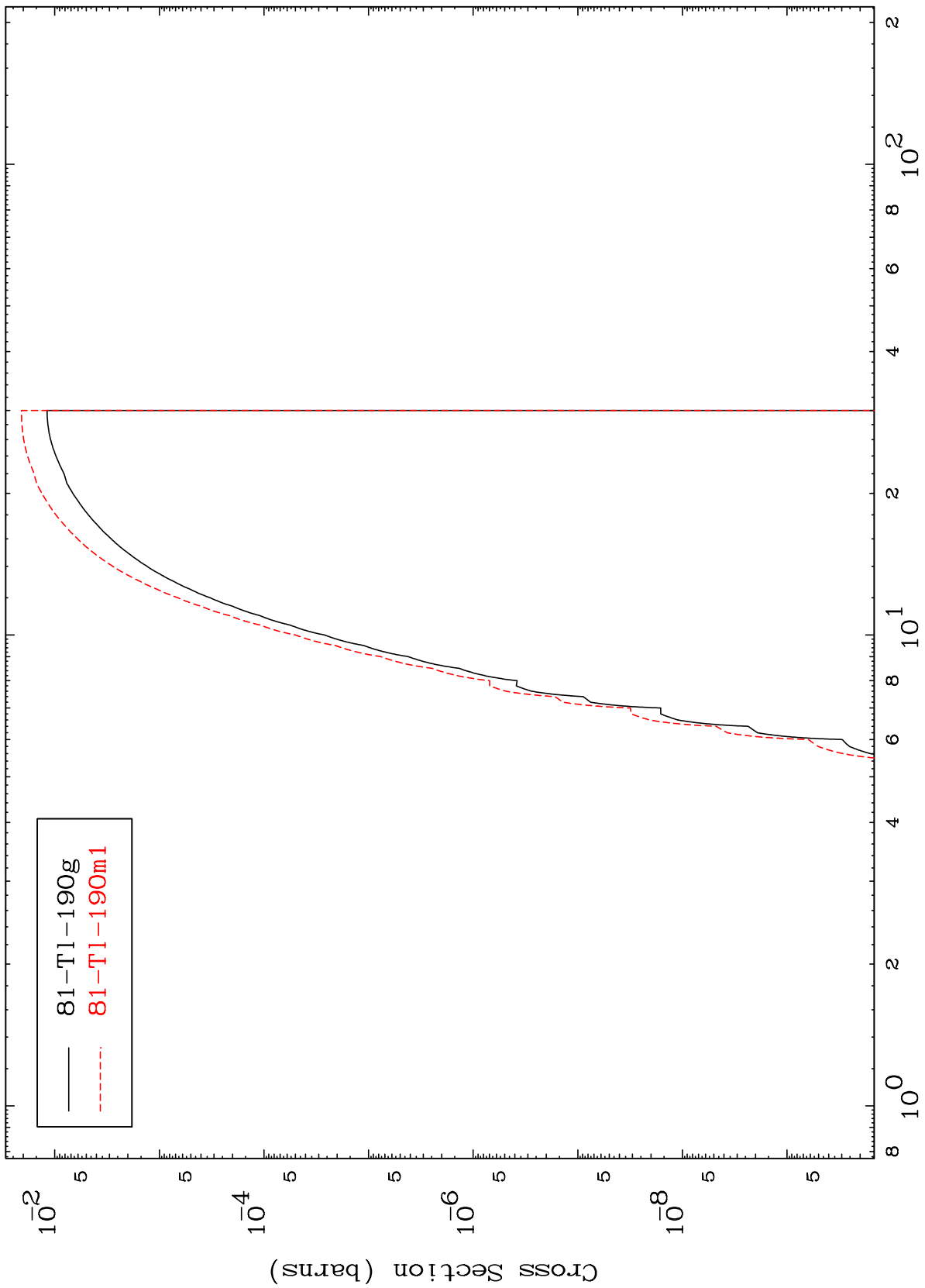
82-Pb-191m

Incident Energy (MeV)

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82-Pb-191m

(n,d)
Radionuclide Production Cross Section



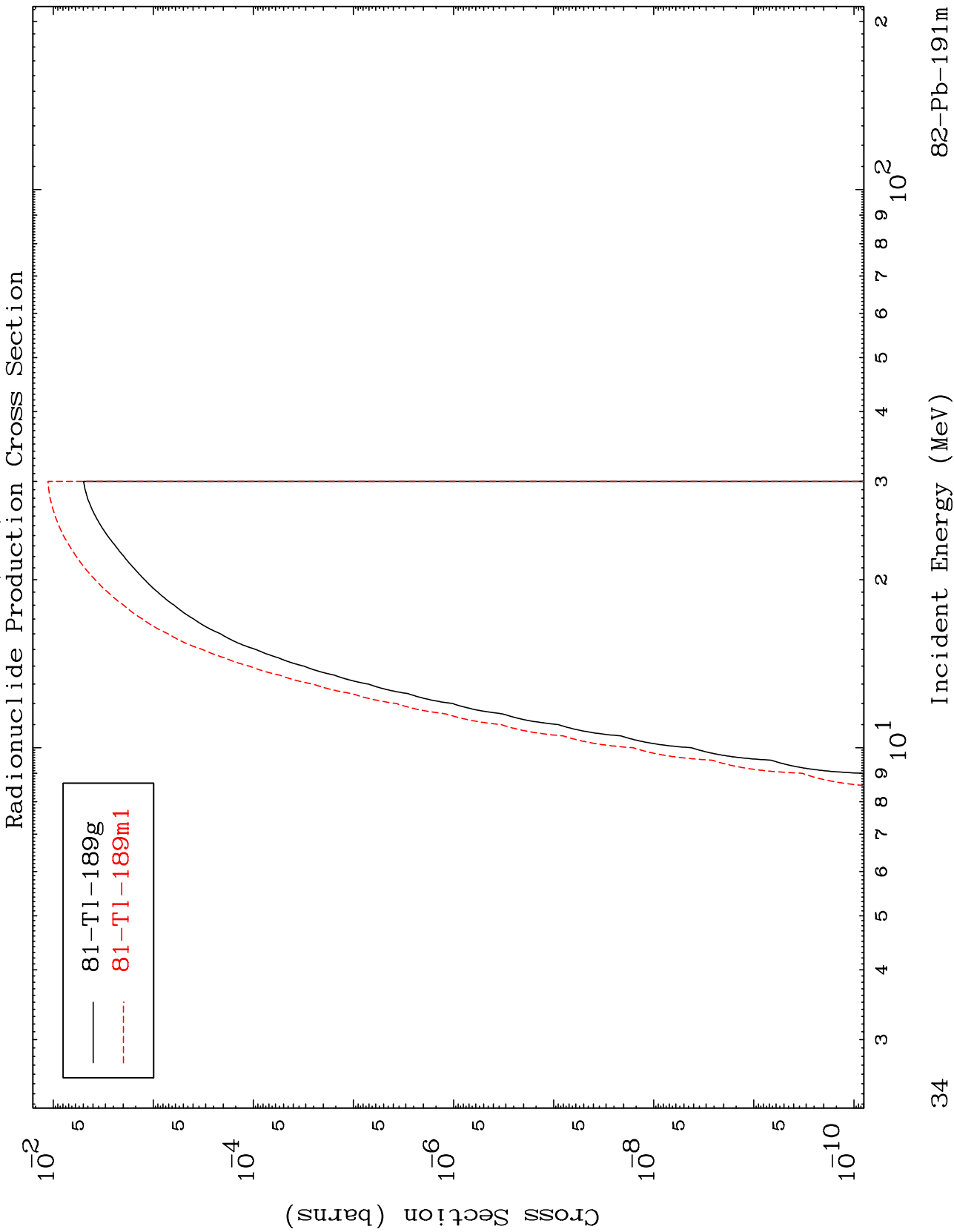
Incident Energy (MeV)

82-Pb-191m

33

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⁸²Pb-191m

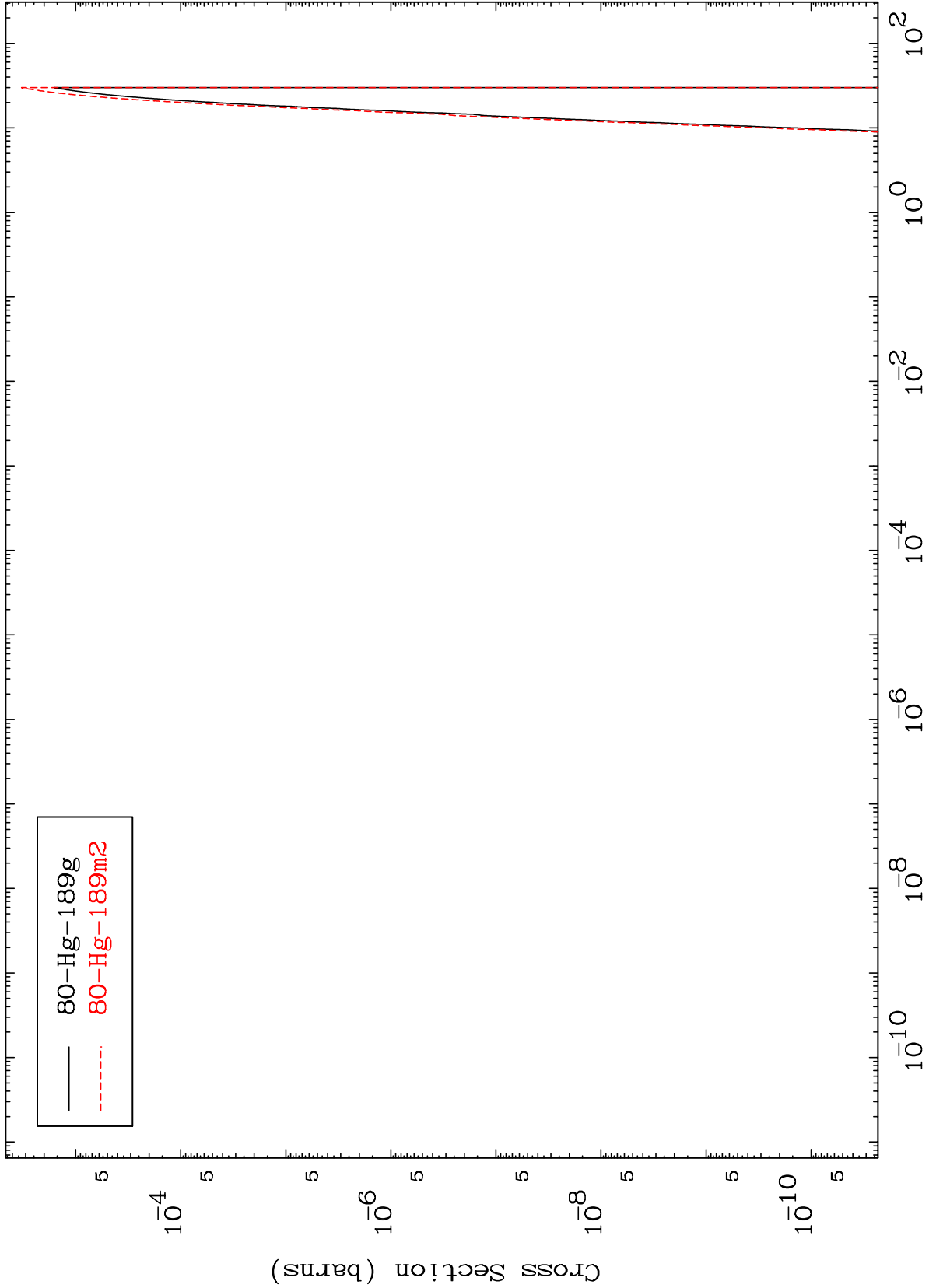


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(n,He-3)

82-Pb-191m

Radionuclide Production Cross Section

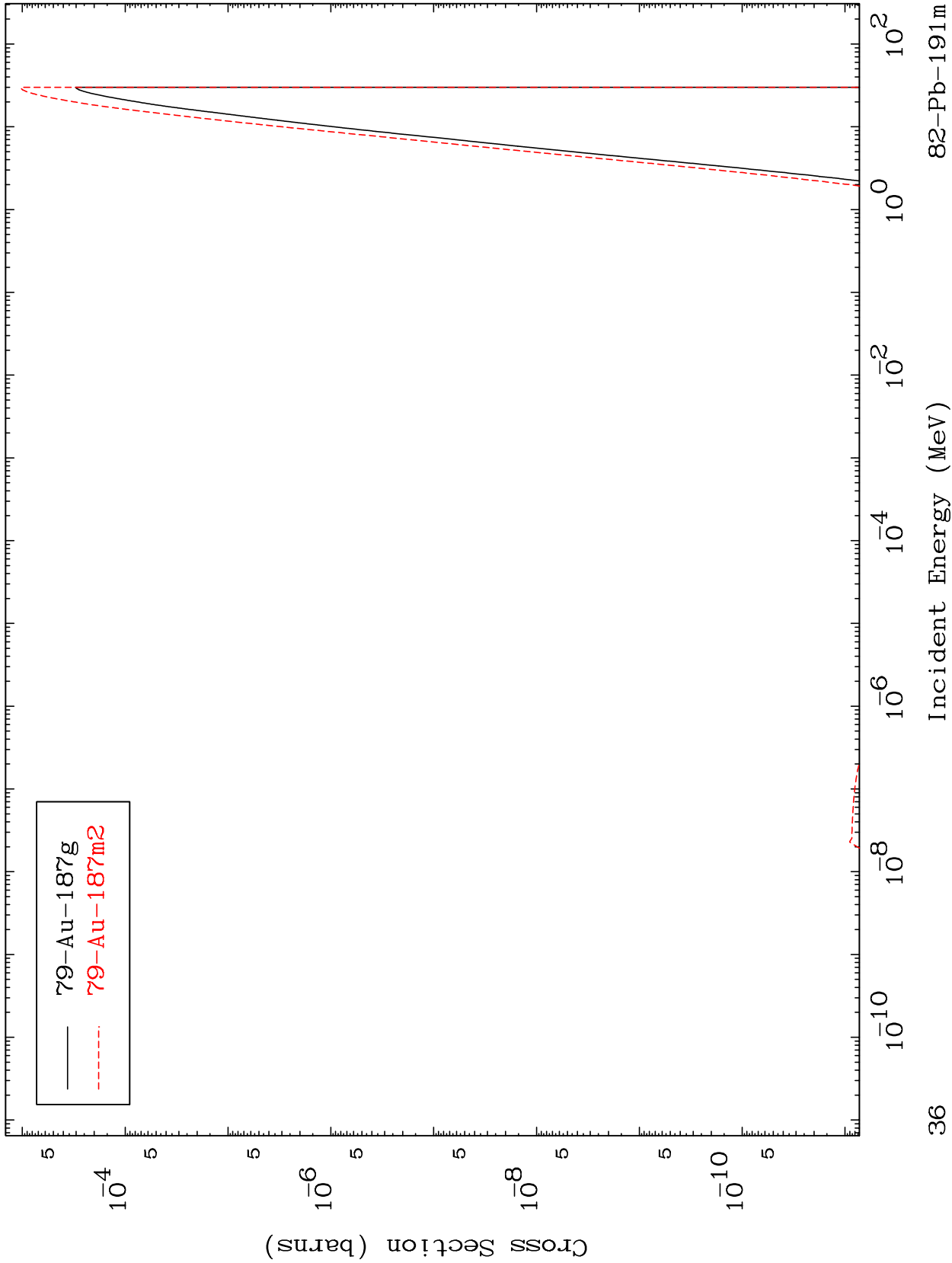


MAT 8187

(n,p) α

82-Pb-191m

Radionuclide Production Cross Section

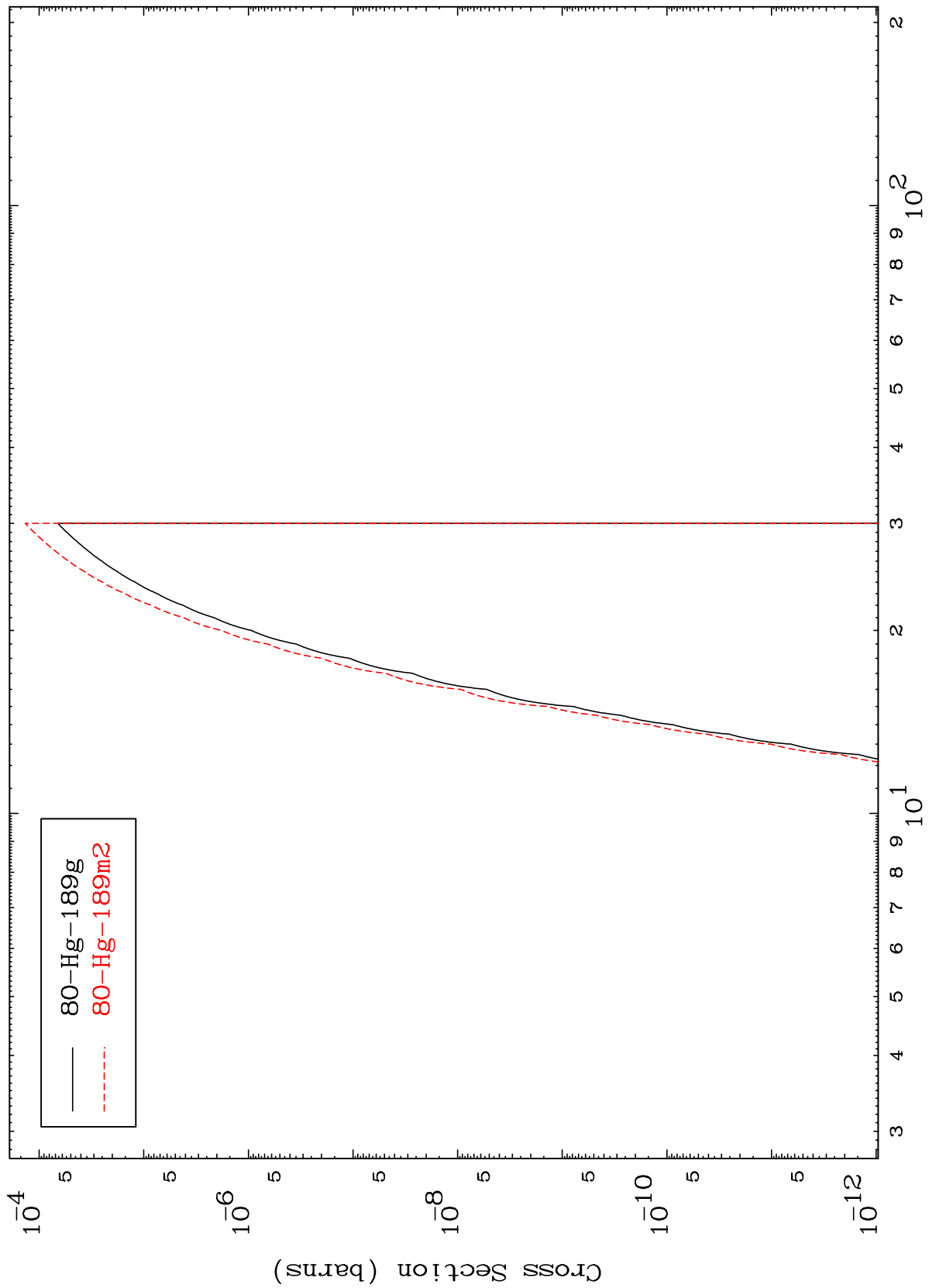


MAT 8187

(n,p) d

82-Pb-191m

Radionuclide Production Cross Section



80-Hg-189g
80-Hg-189m2

Incident Energy (MeV)

82-Pb-191m

37