

Program EVALPLOT
(Version 2021-1)

by

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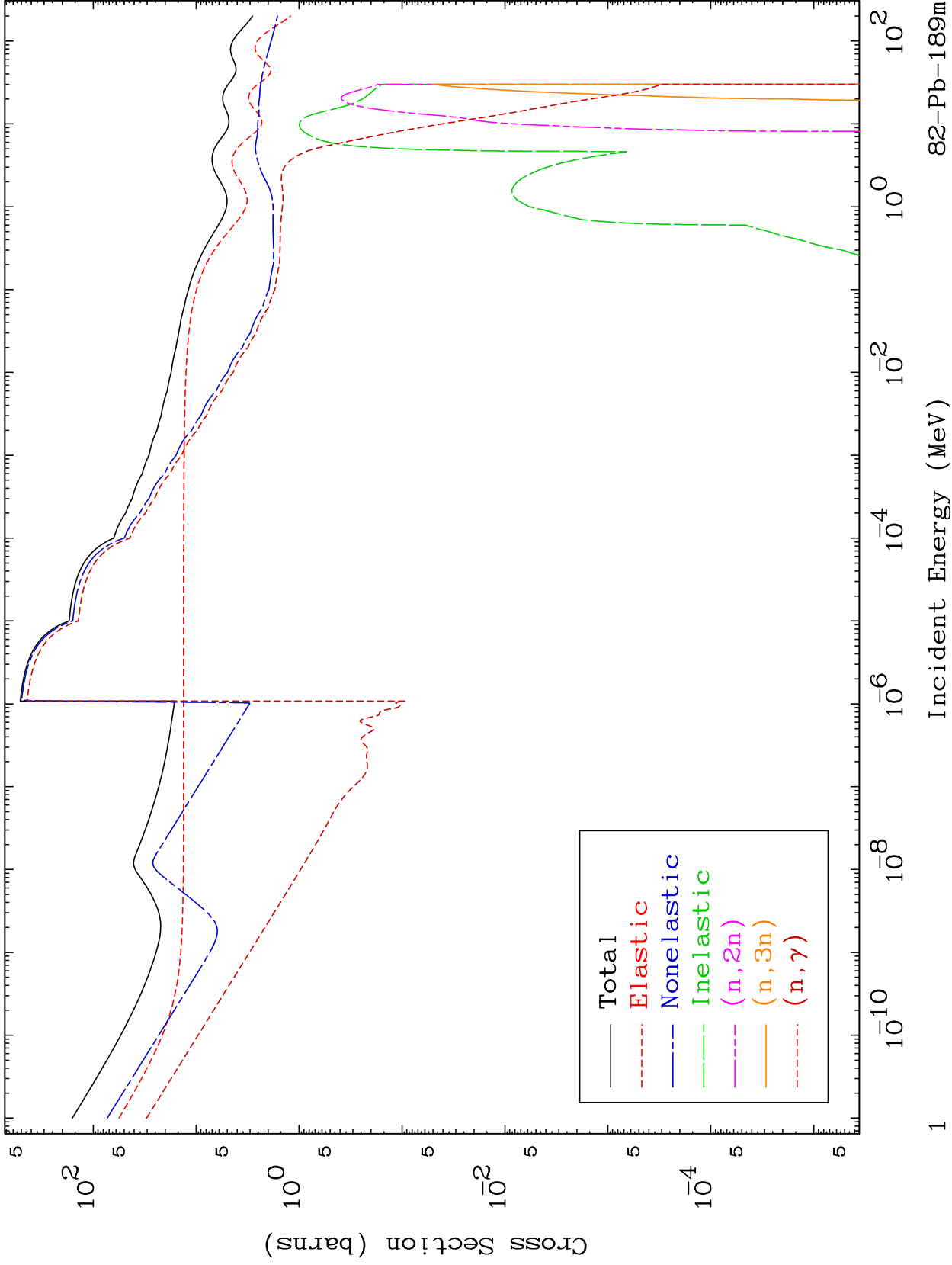
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8181

Neutron Major
293 Kelvin Cross Sections

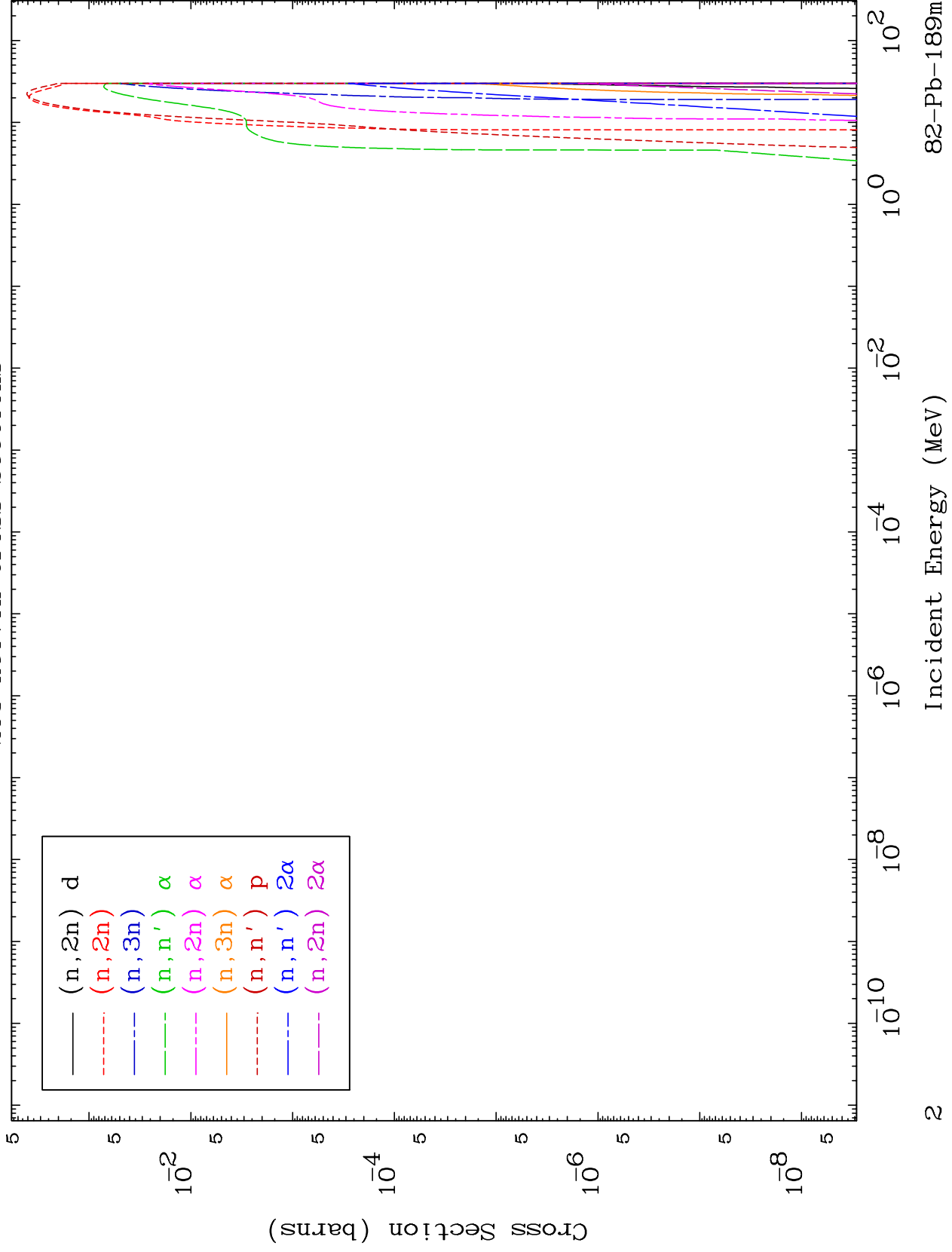
82-Pb-189m



MAT 8181

Neutron Absorption
293 Kelvin Cross Sections

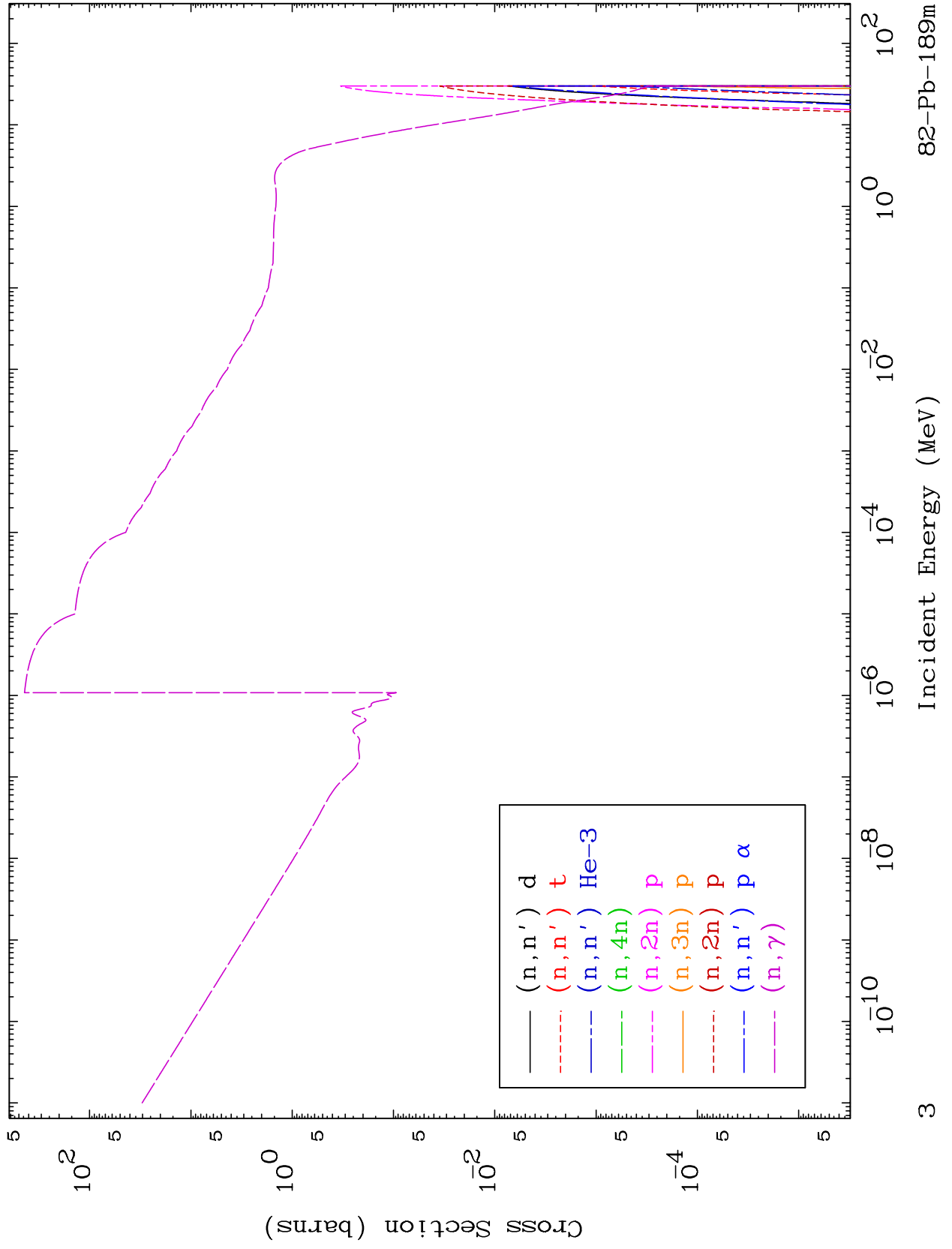
82-Pb-189m



MAT 8181

Neutron Absorption
293 Kelvin Cross Sections

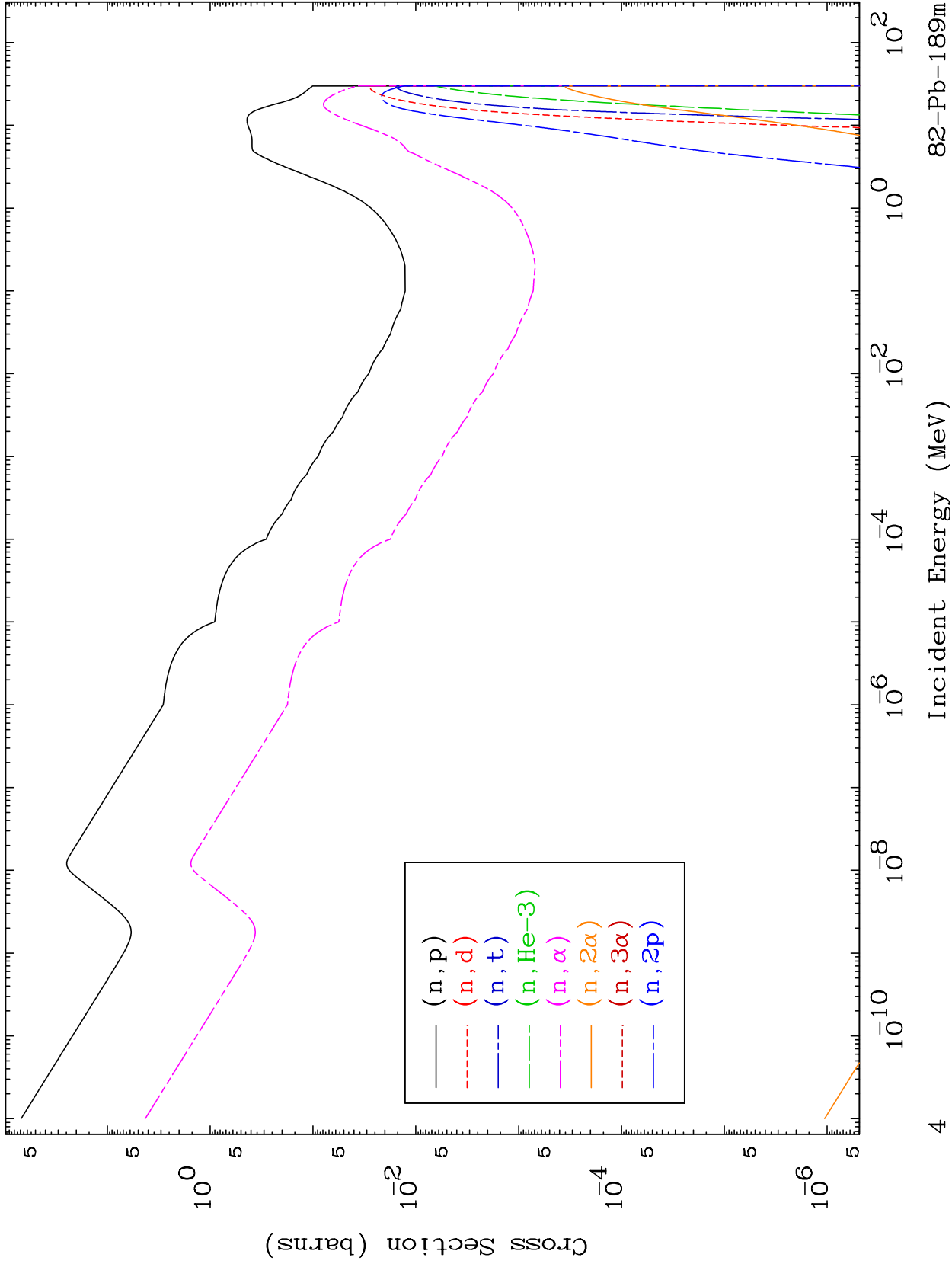
82-Pb-189m



MAT 8181

Neutron Absorption
293 Kelvin Cross Sections

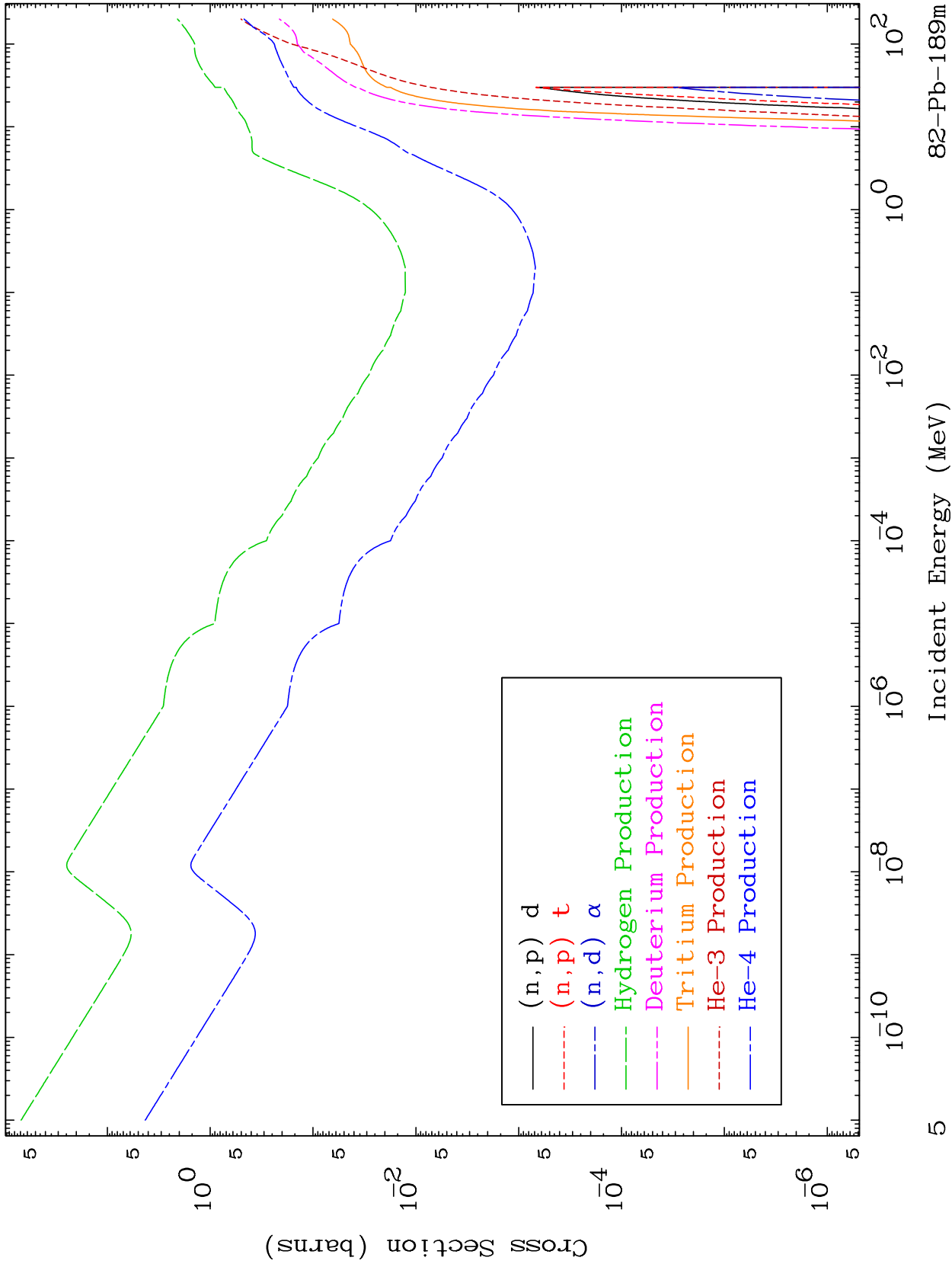
82-Pb-189m



MAT 8181

Neutron Absorption
293 Kelvin Cross Sections

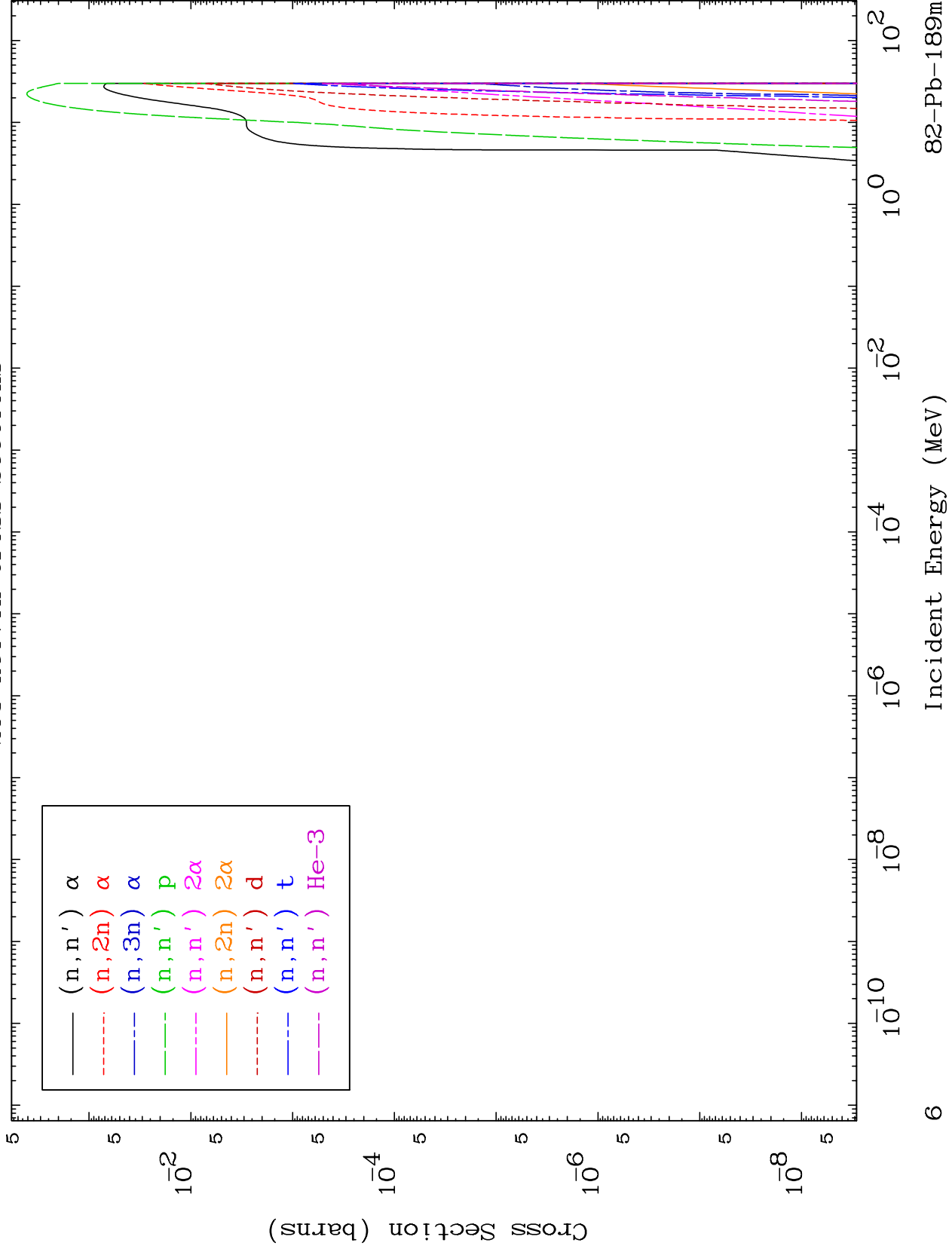
82-Pb-189m



MAT 8181

Charged Particle
293 Kelvin Cross Sections

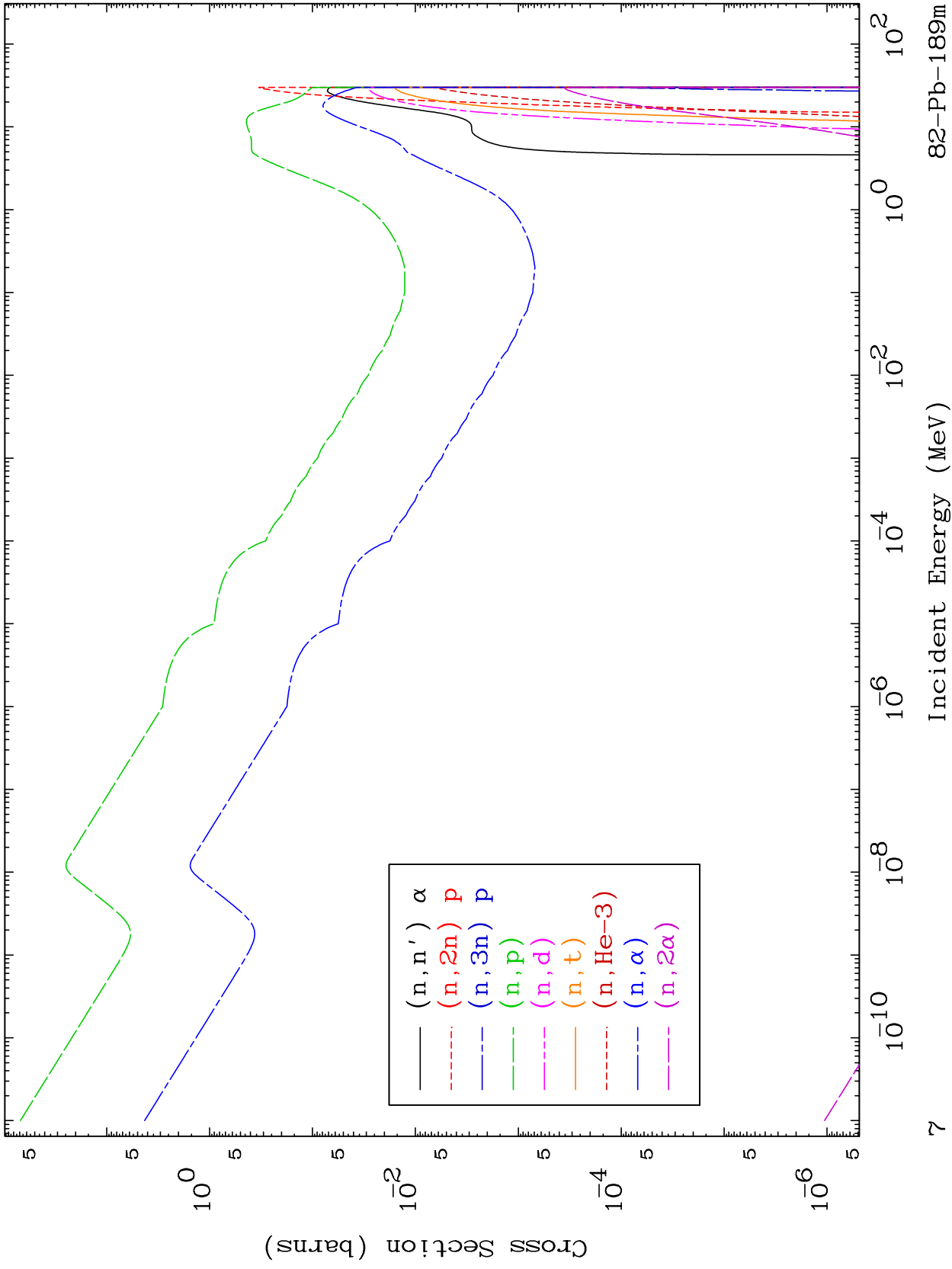
82-Pb-189m



MAT 8181

Charged Particle
293 Kelvin Cross Sections

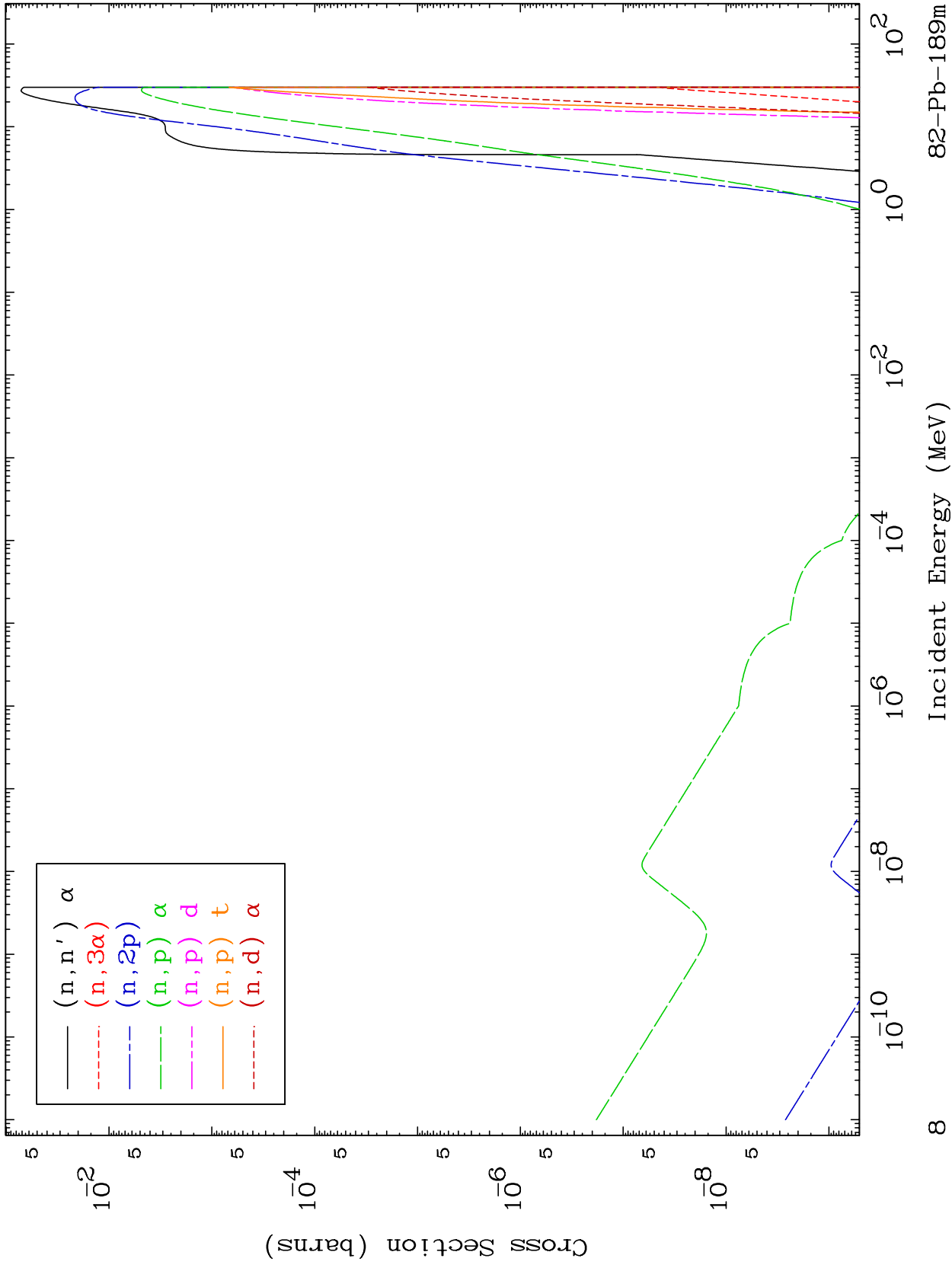
82-Pb-189m



MAT 8181

Charged Particle
293 Kelvin Cross Sections

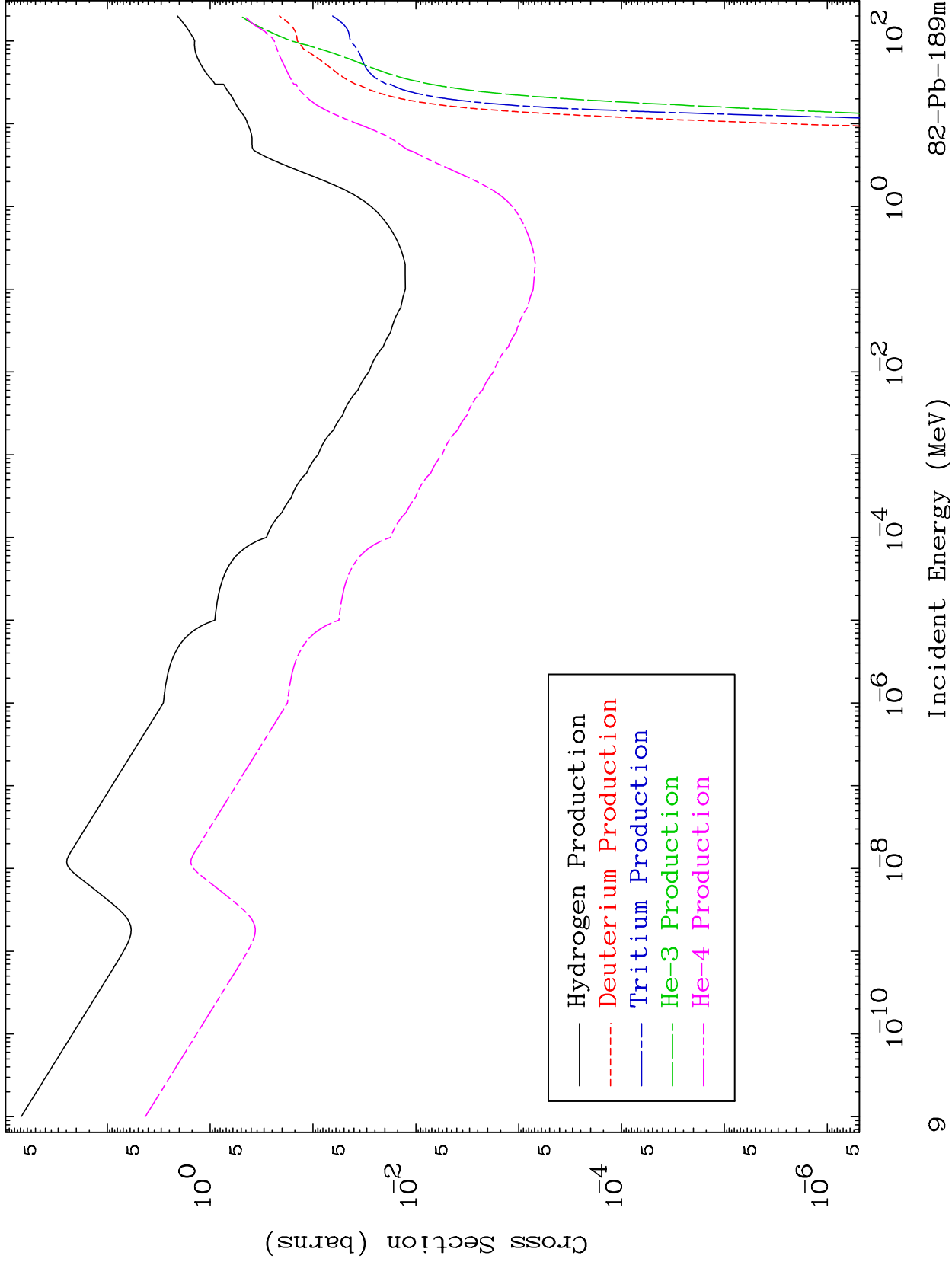
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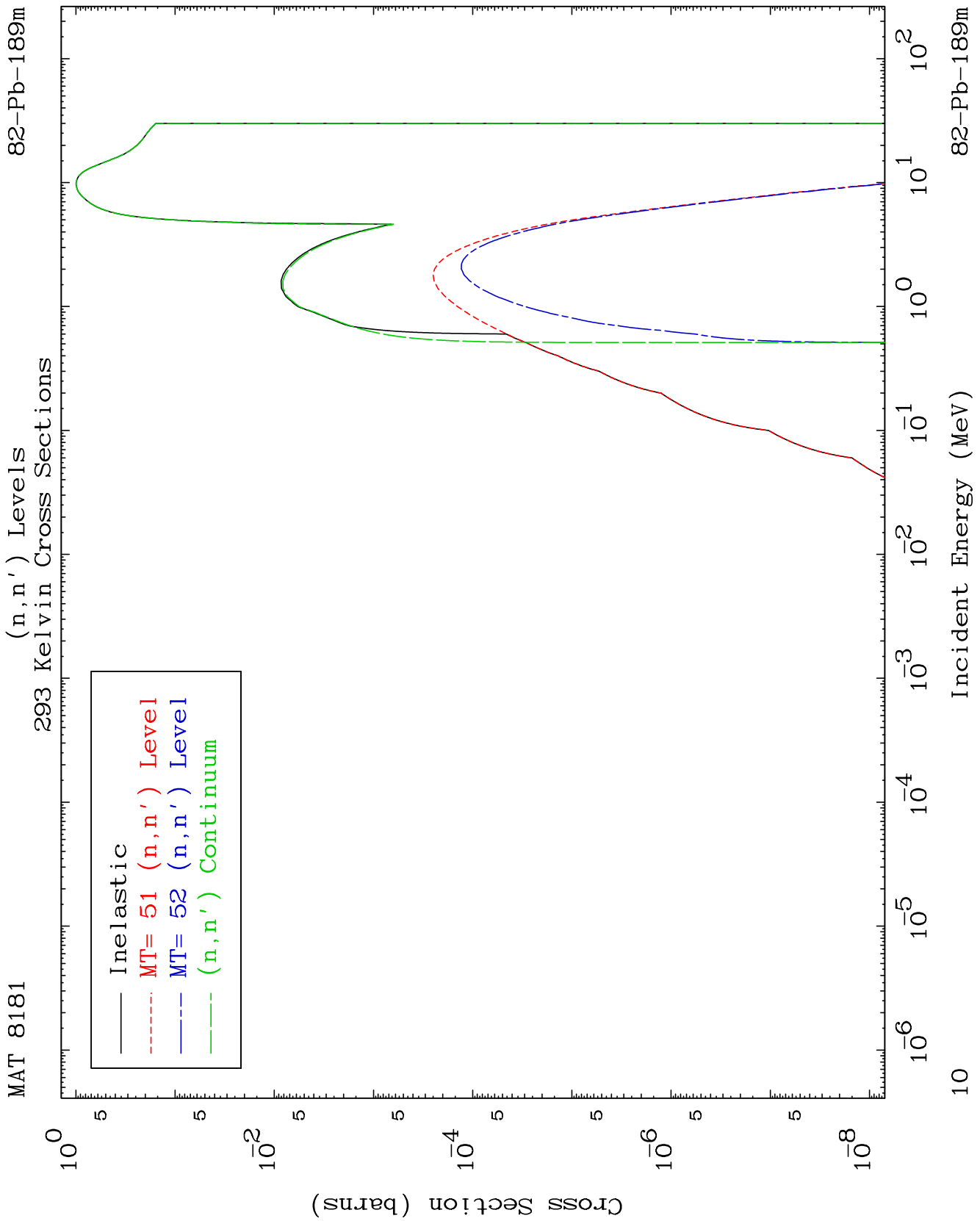


MAT 8181

Particle Production
293 Kelvin Cross Sections

82-Pb-189m

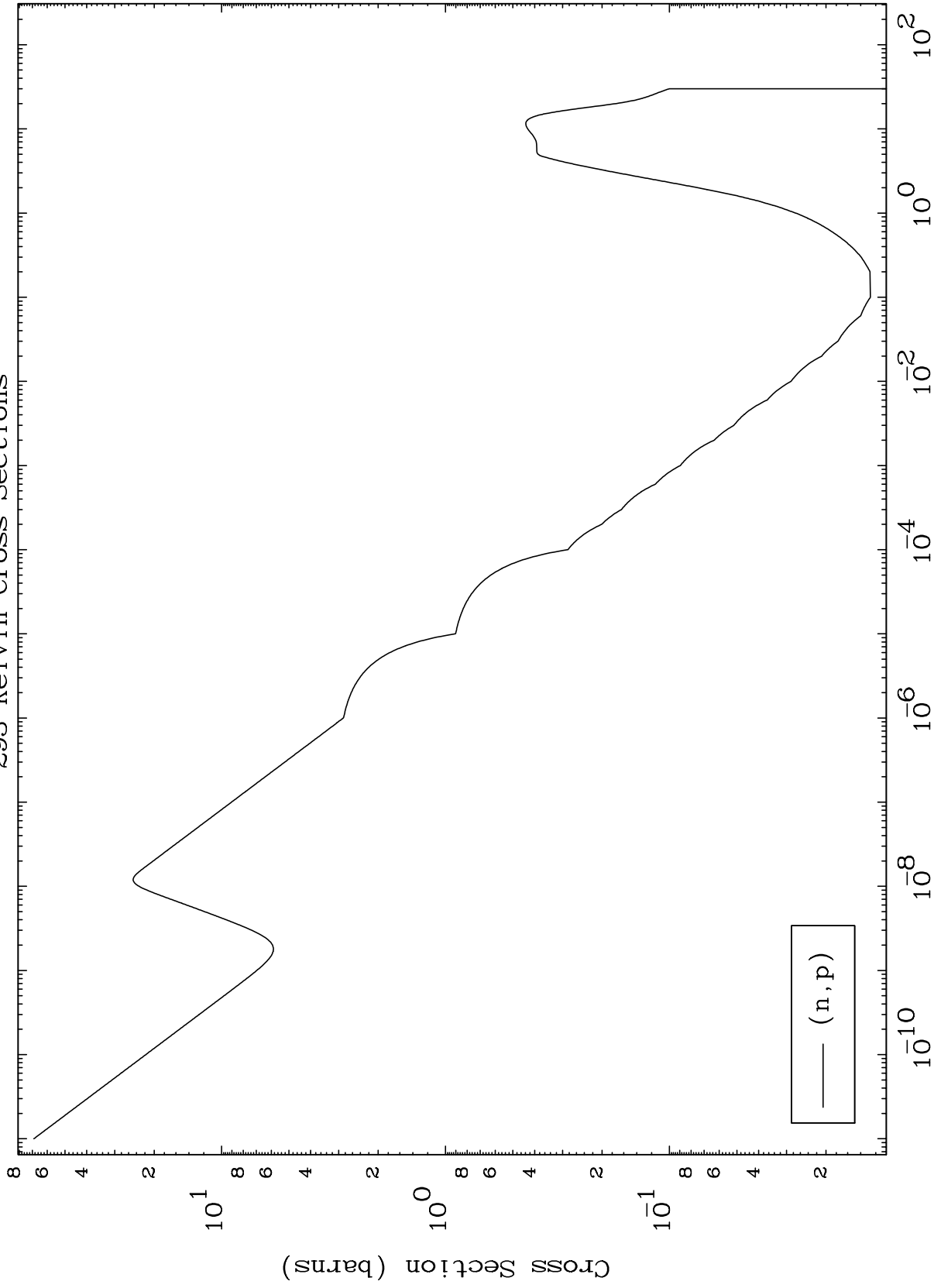




MAT 8181

(n,p) Levels
293 Kelvin Cross Sections

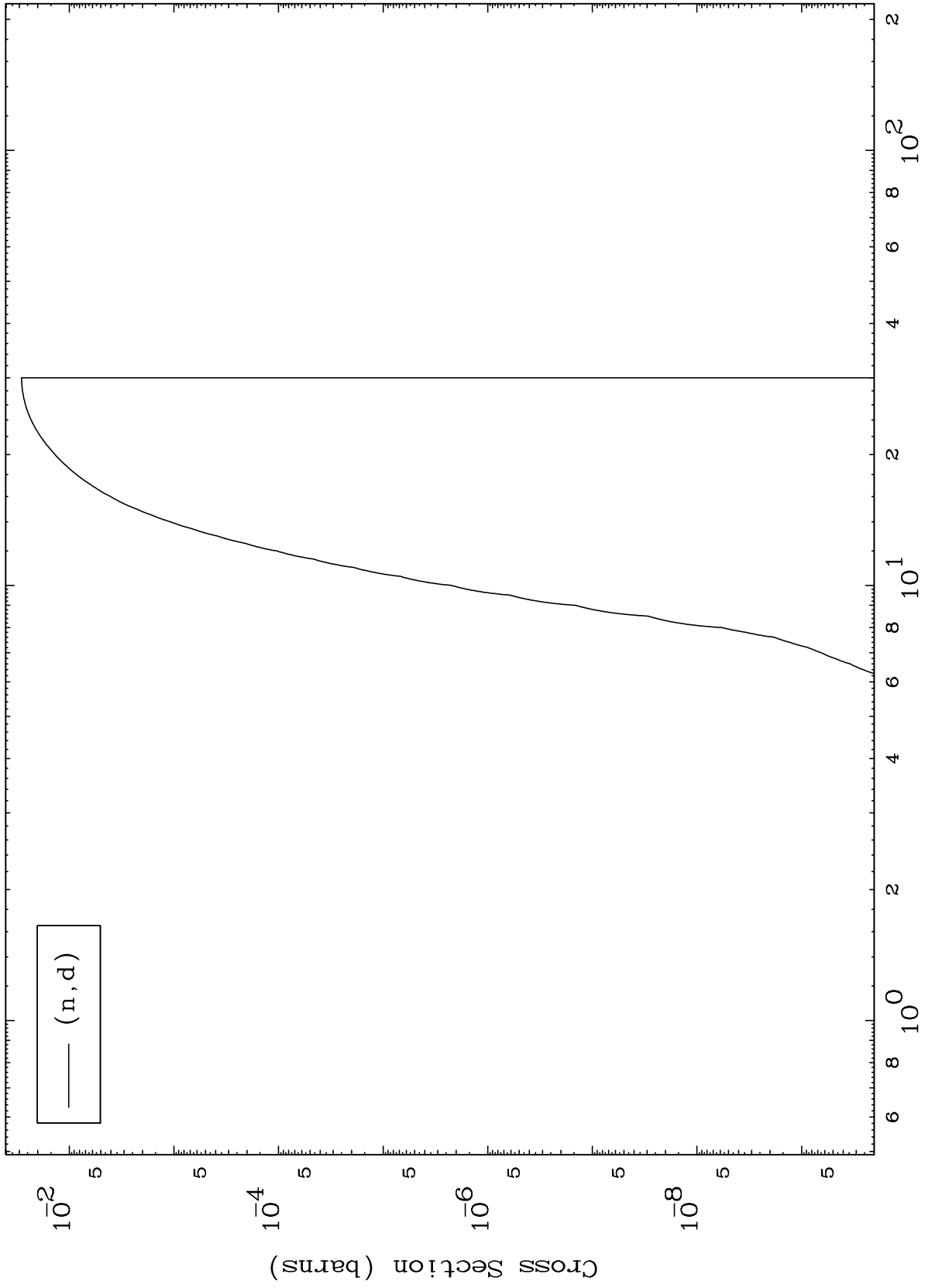
82-Pb-189m



MAT 8181

(n,d) Levels
293 Kelvin Cross Sections

82-Pb-189m



12

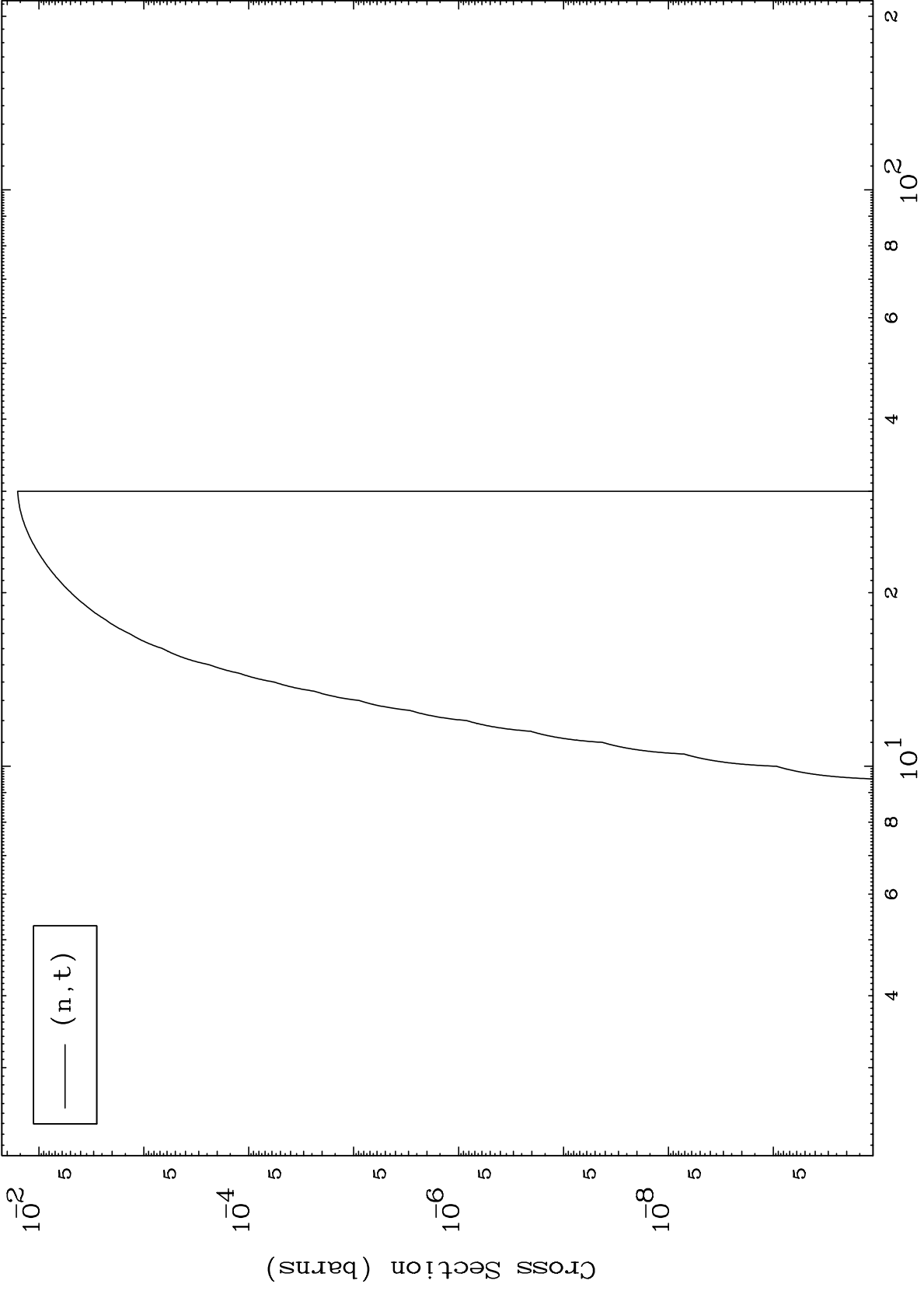
Incident Energy (MeV)

82-Pb-189m

MAT 8181

(n,t) Levels
293 Kelvin Cross Sections

82-Pb-189m



13

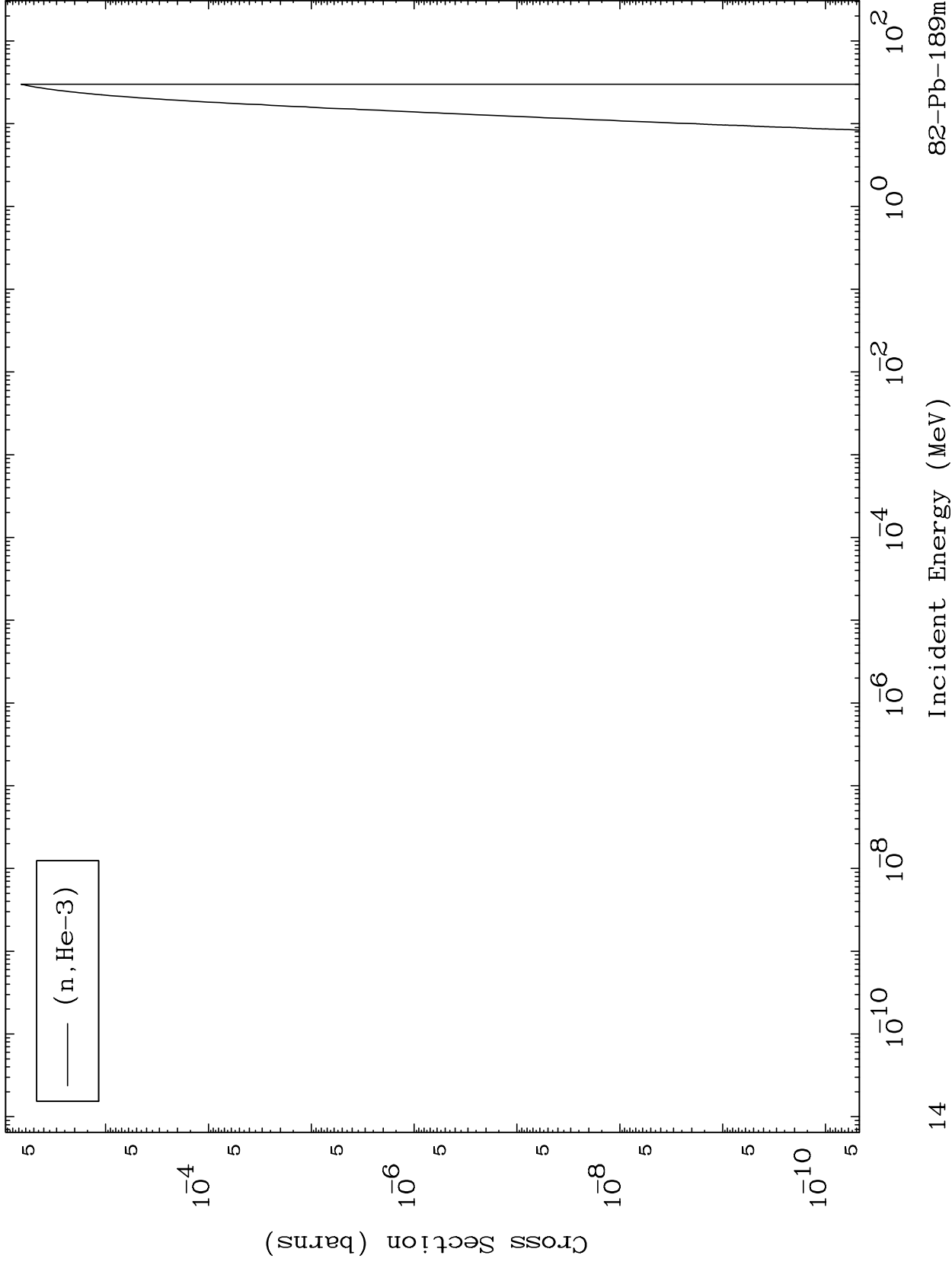
Incident Energy (MeV)

82-Pb-189m

MAT 8181

(n,He3) Levels
293 Kelvin Cross Sections

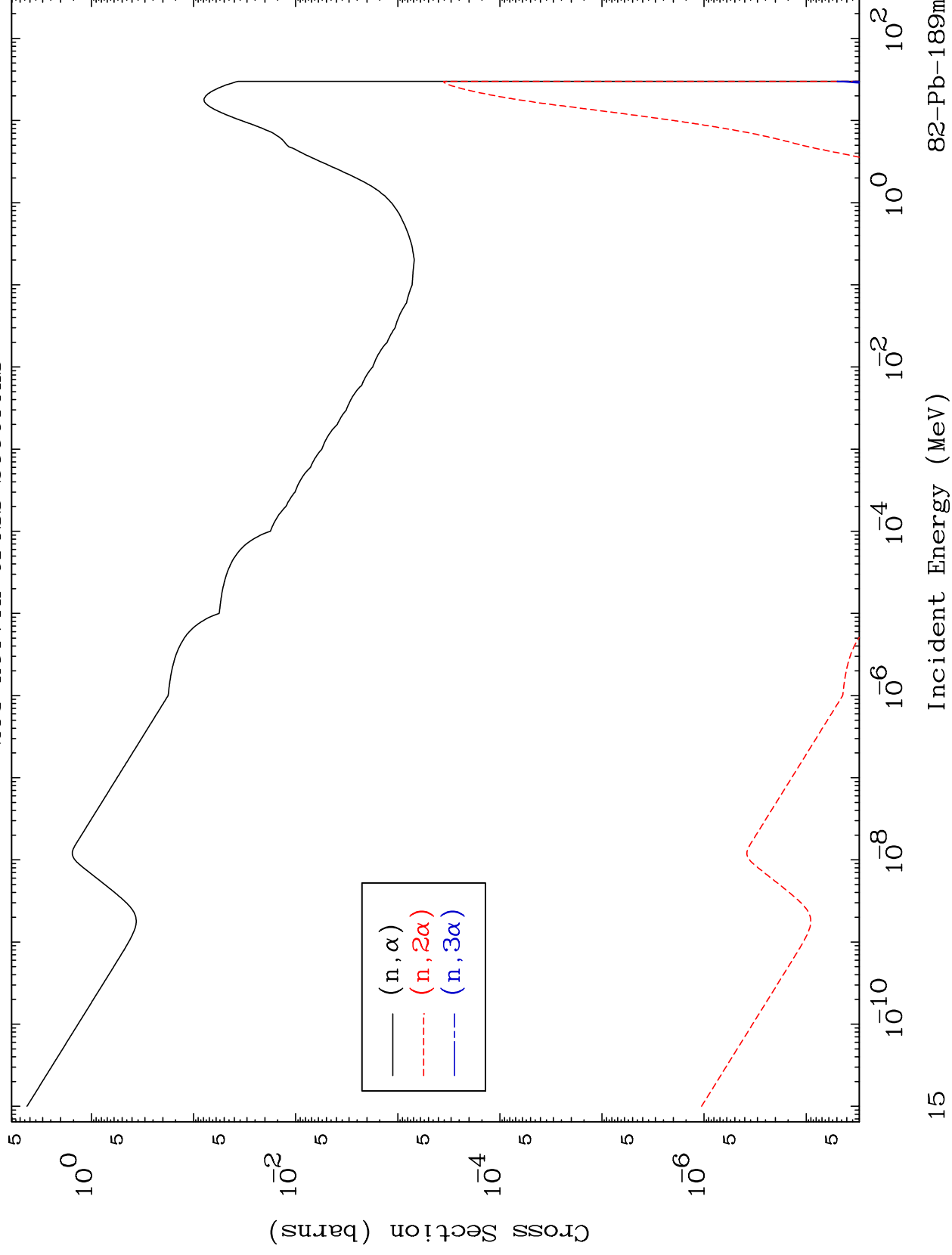
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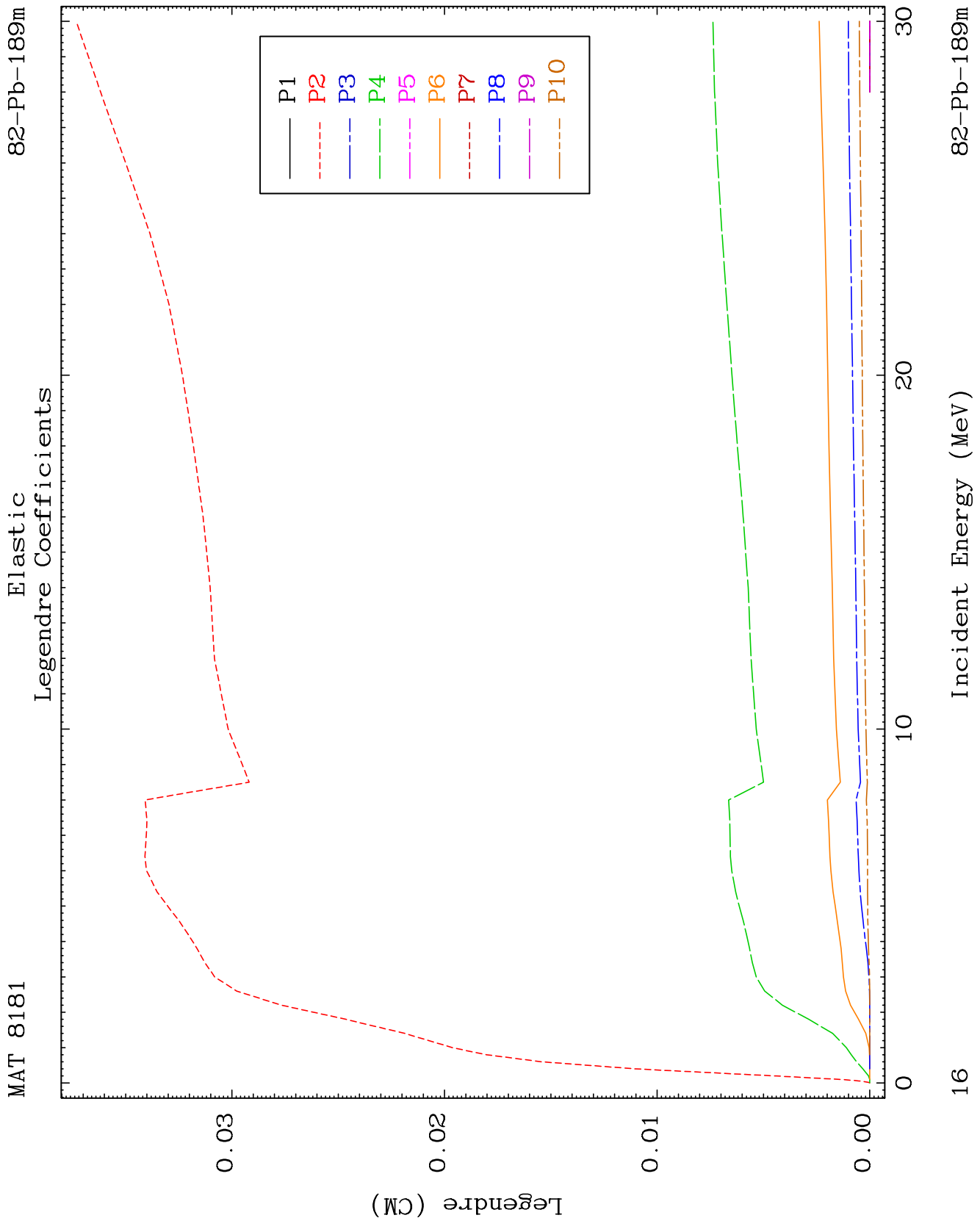


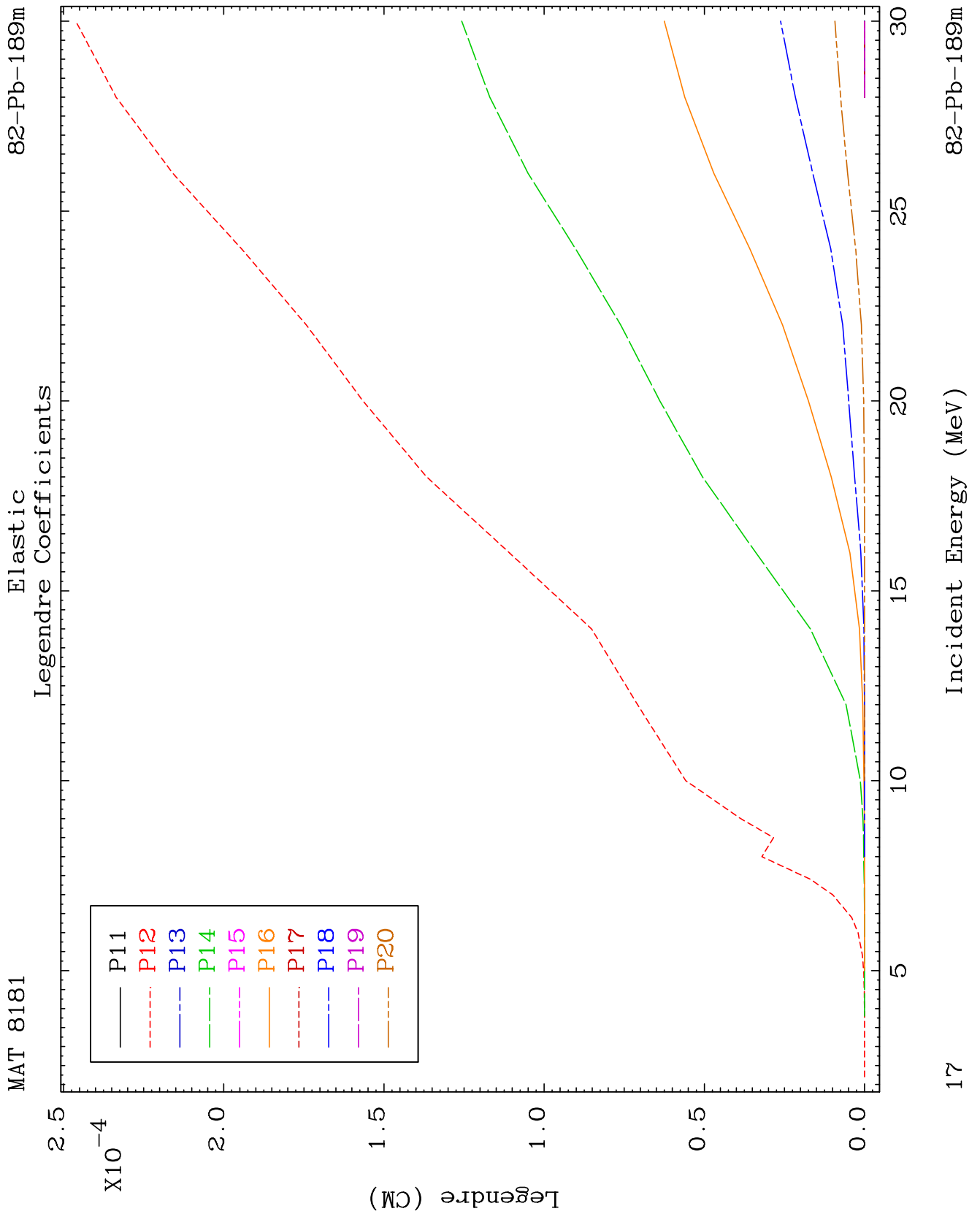
MAT 8181

(n, α) Levels
293 Kelvin Cross Sections

82-Pb-189m



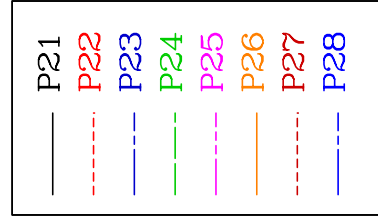




MAT 8181

Elastic
Legendre Coefficients

82-Pb-189m



$\times 10^{-6}$
1.2
1.0
0.8
0.6
0.4
0.2
0.0

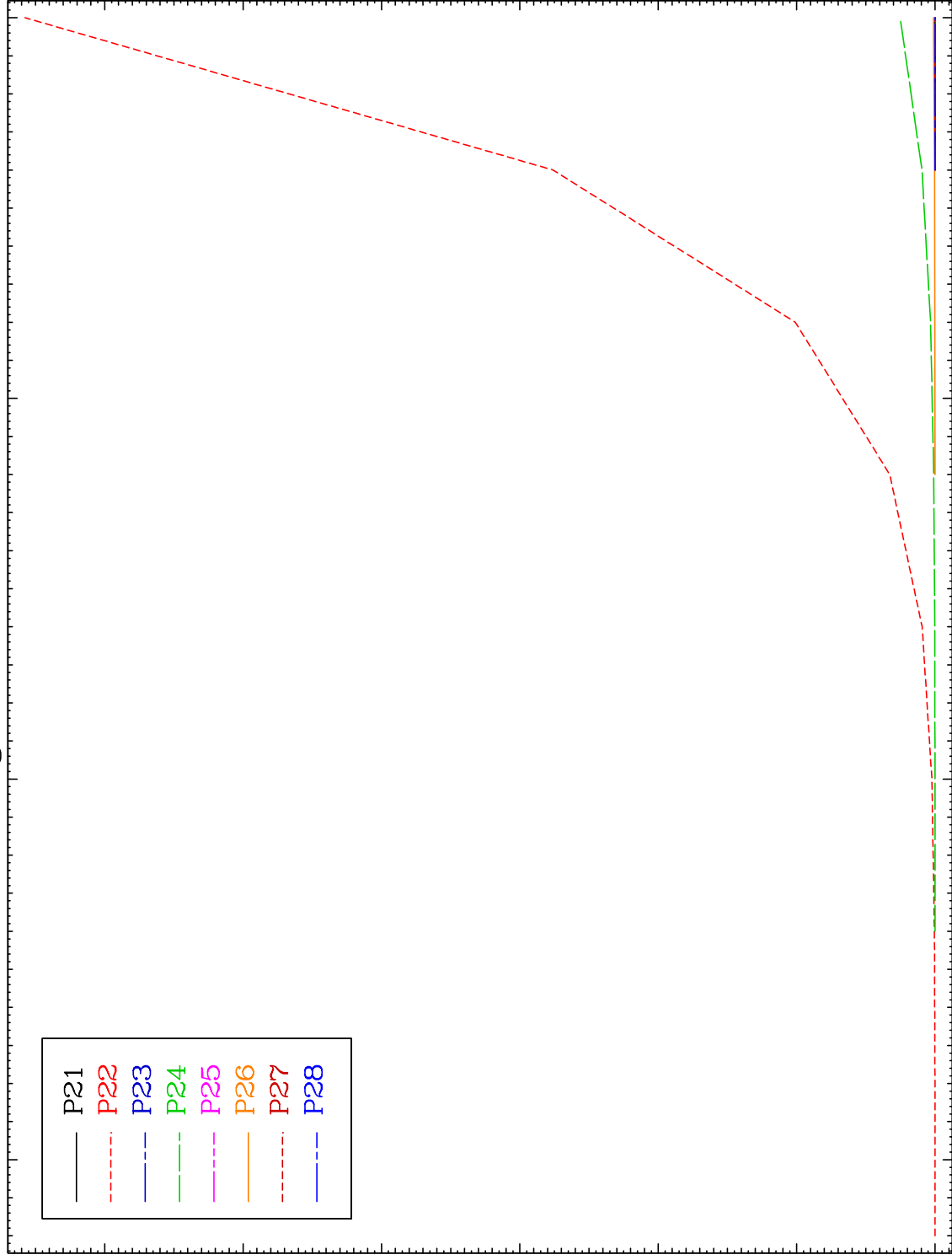
Legendre (CM)

15 20 25 30

18

Incident Energy (MeV)

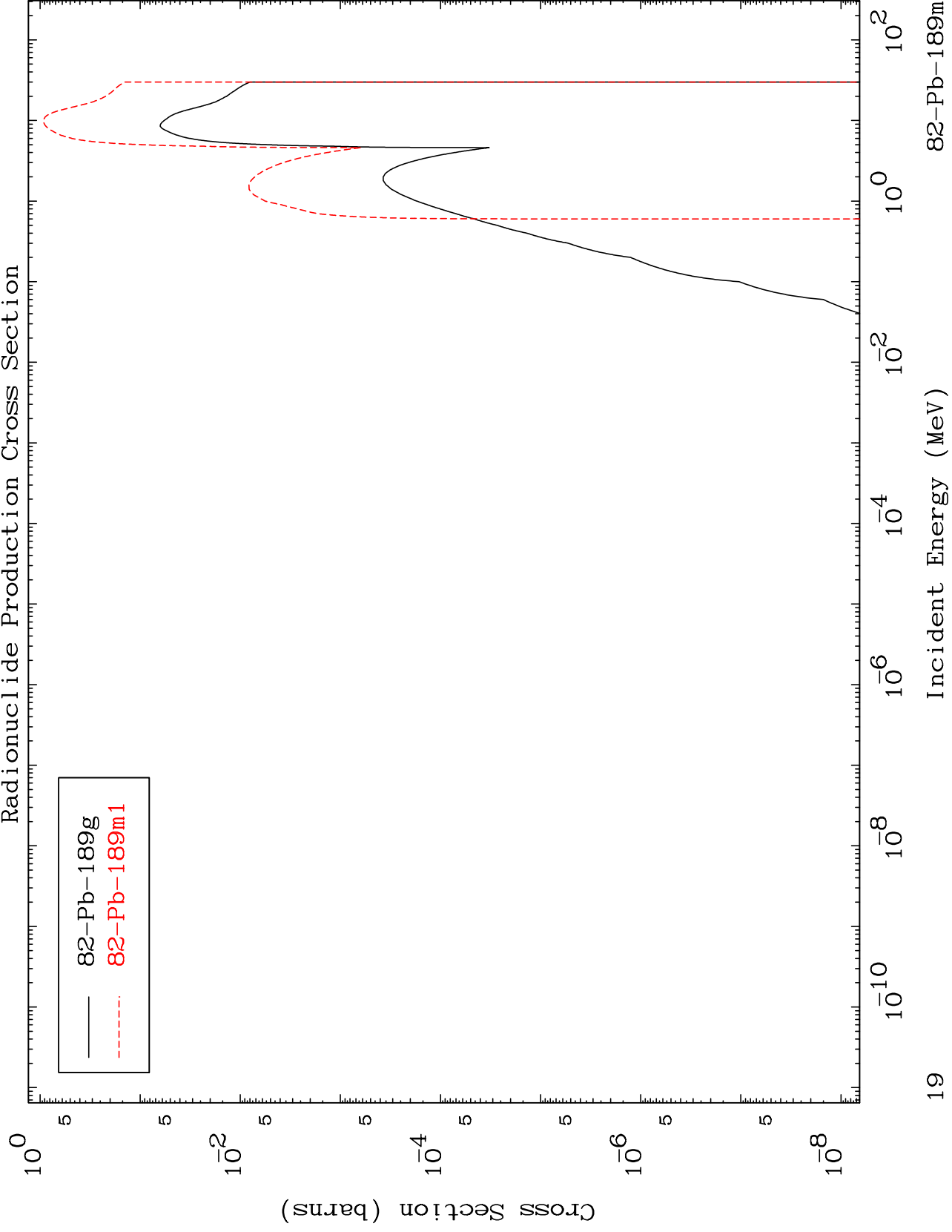
82-Pb-189m



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Inelastic
Radionuclide Production Cross Section

82-Pb-189m

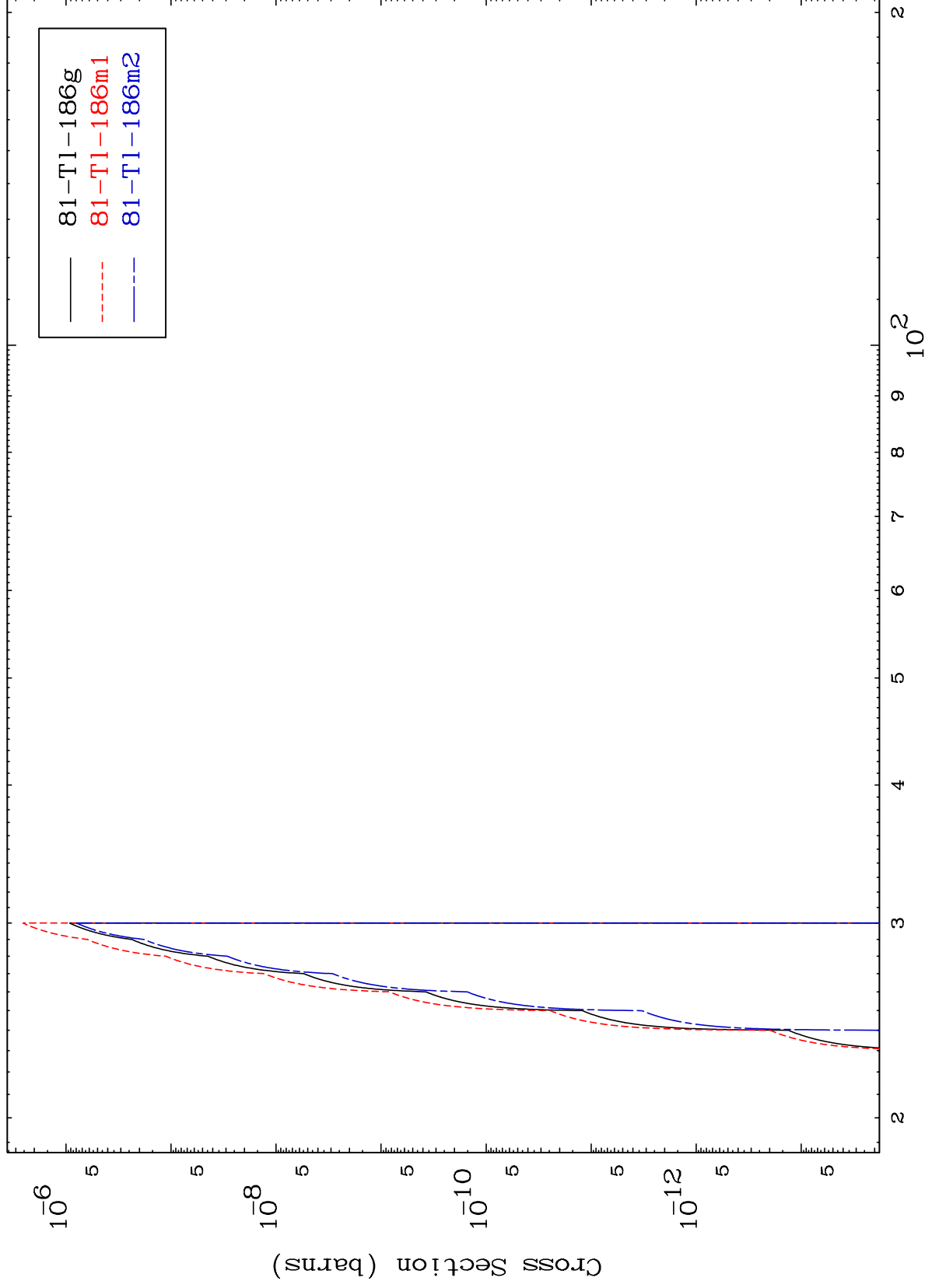


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(n,2n) d

82-Pb-189m

Radionuclide Production Cross Section



20

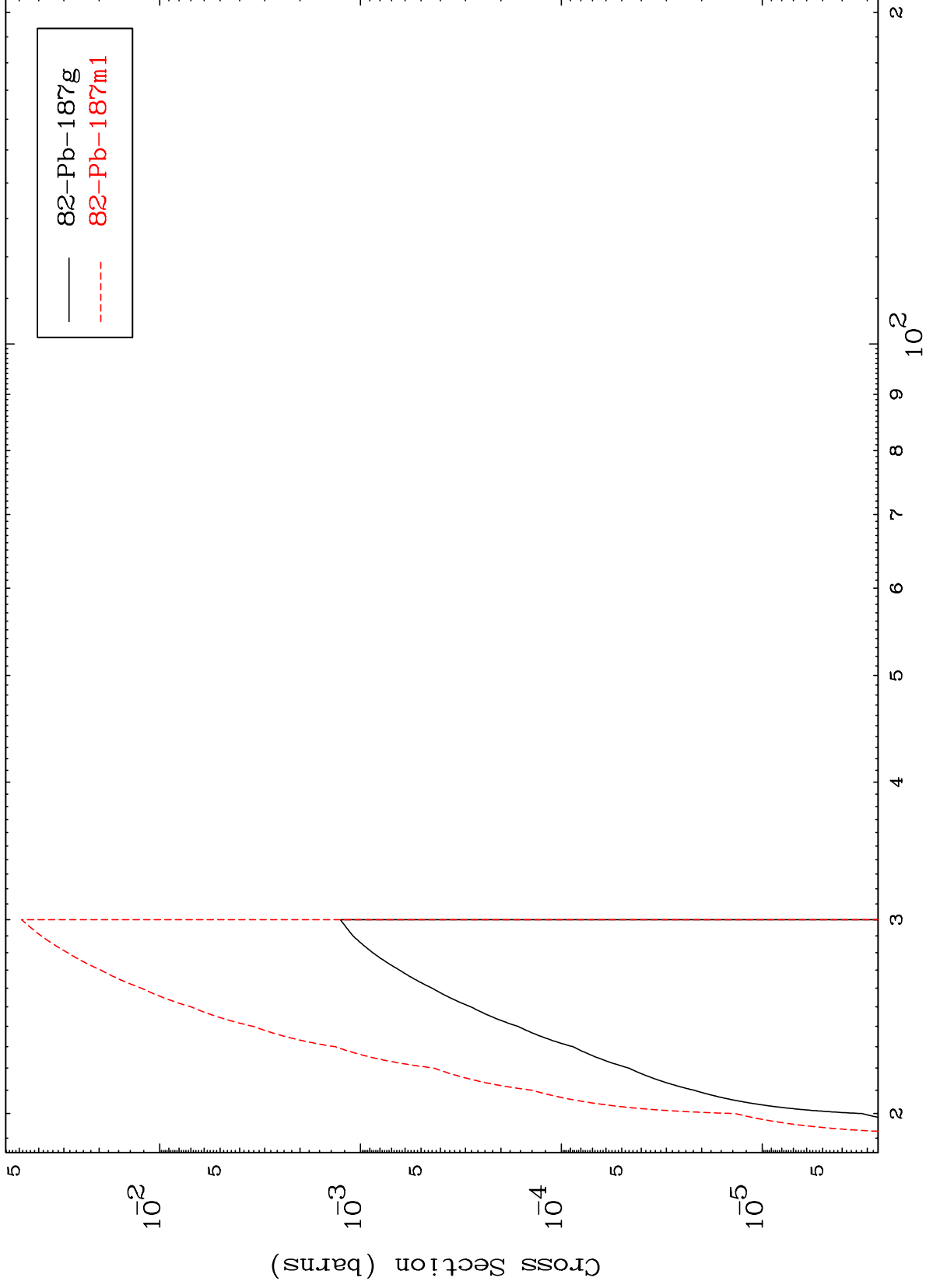
Incident Energy (MeV)

82-Pb-189m

MAT 8181

⁸²Pb-189m

(n,3n)
Radionuclide Production Cross Section



⁸²Pb-189m

Incident Energy (MeV)

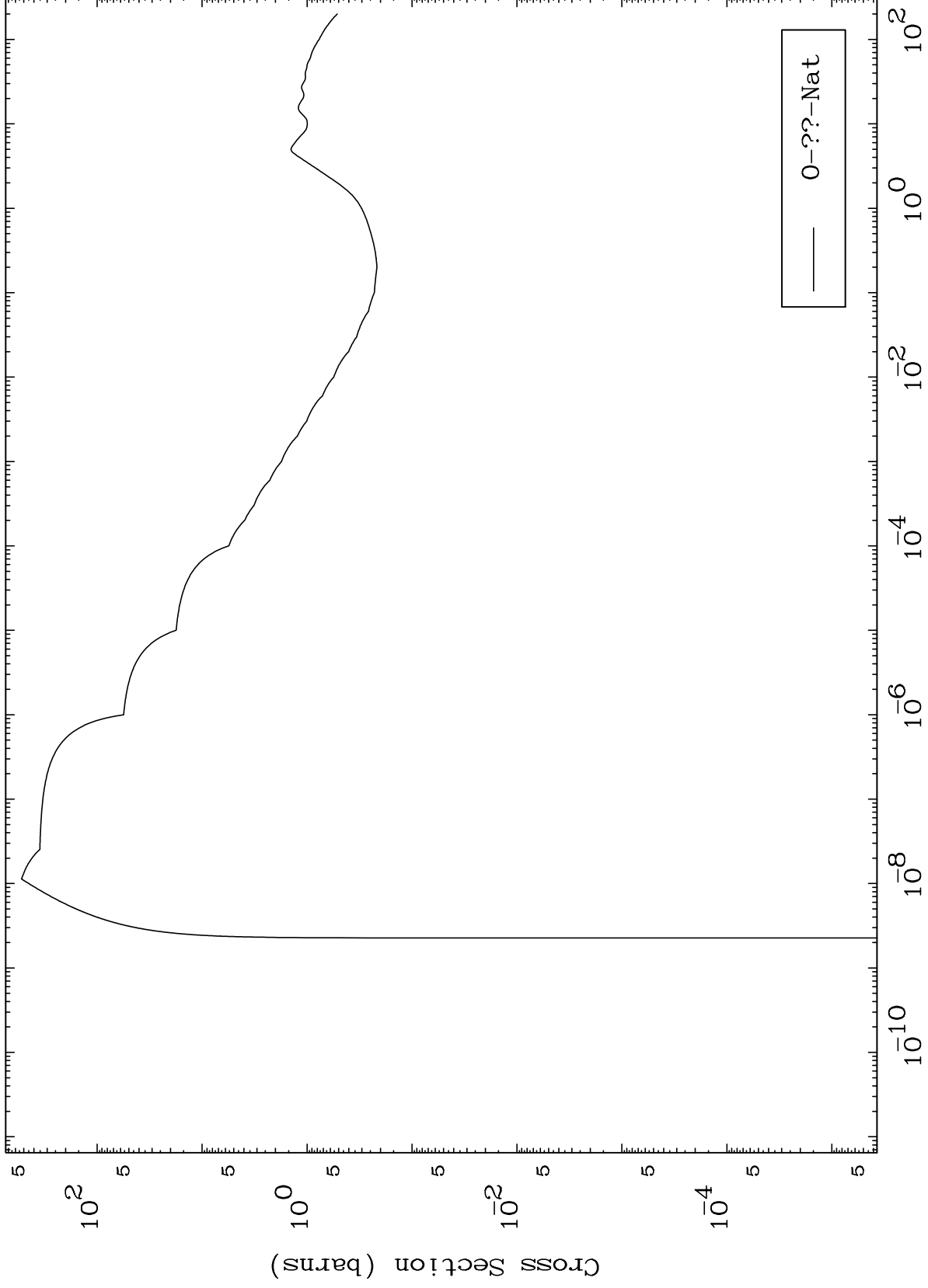
21

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Fission

82-Pb-189m

Radionuclide Production Cross Section



22

Incident Energy (MeV)

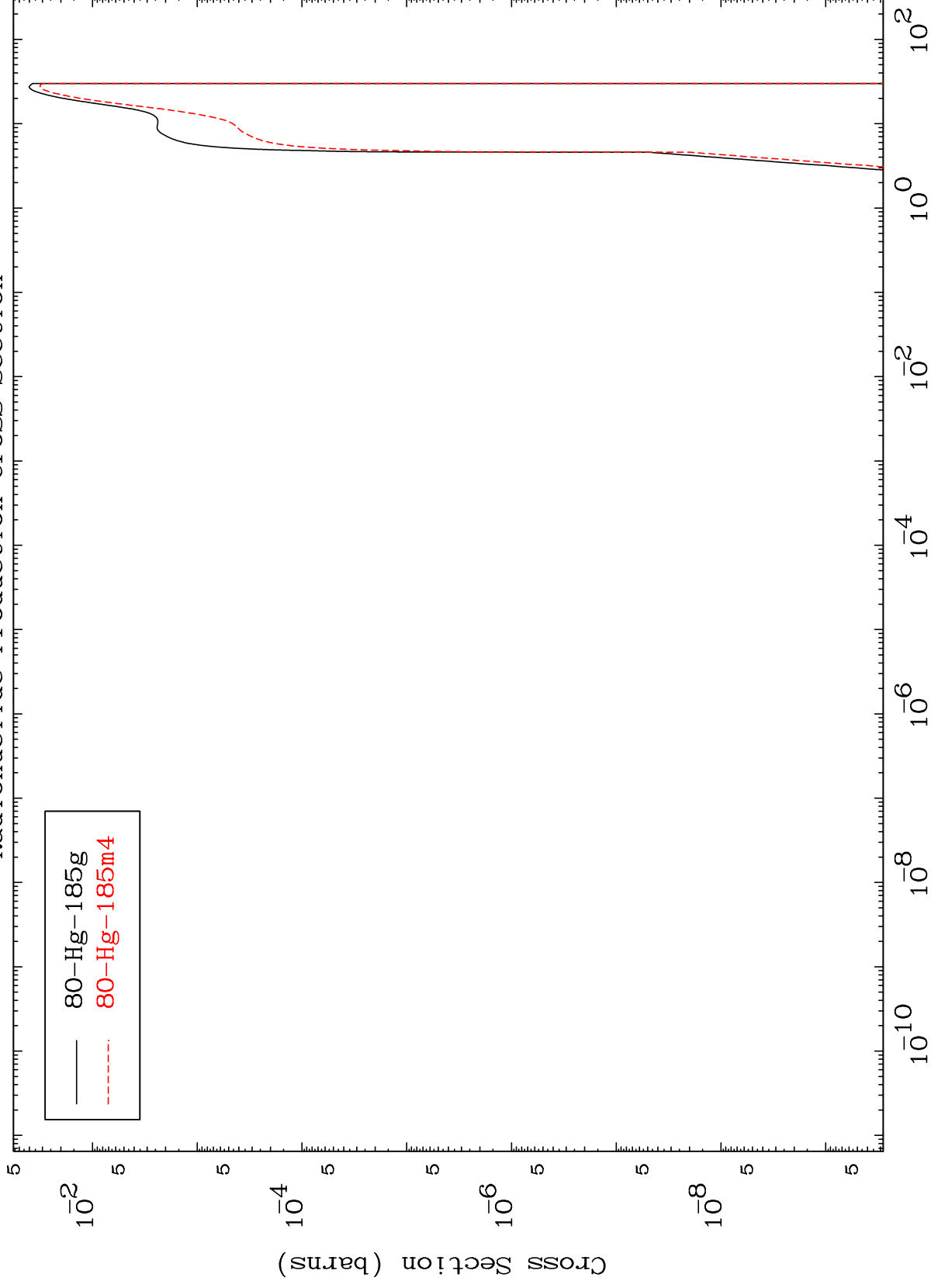
82-Pb-189m

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$(n, n') \alpha$

82-Pb-189m

Radionuclide Production Cross Section



23

Incident Energy (MeV)

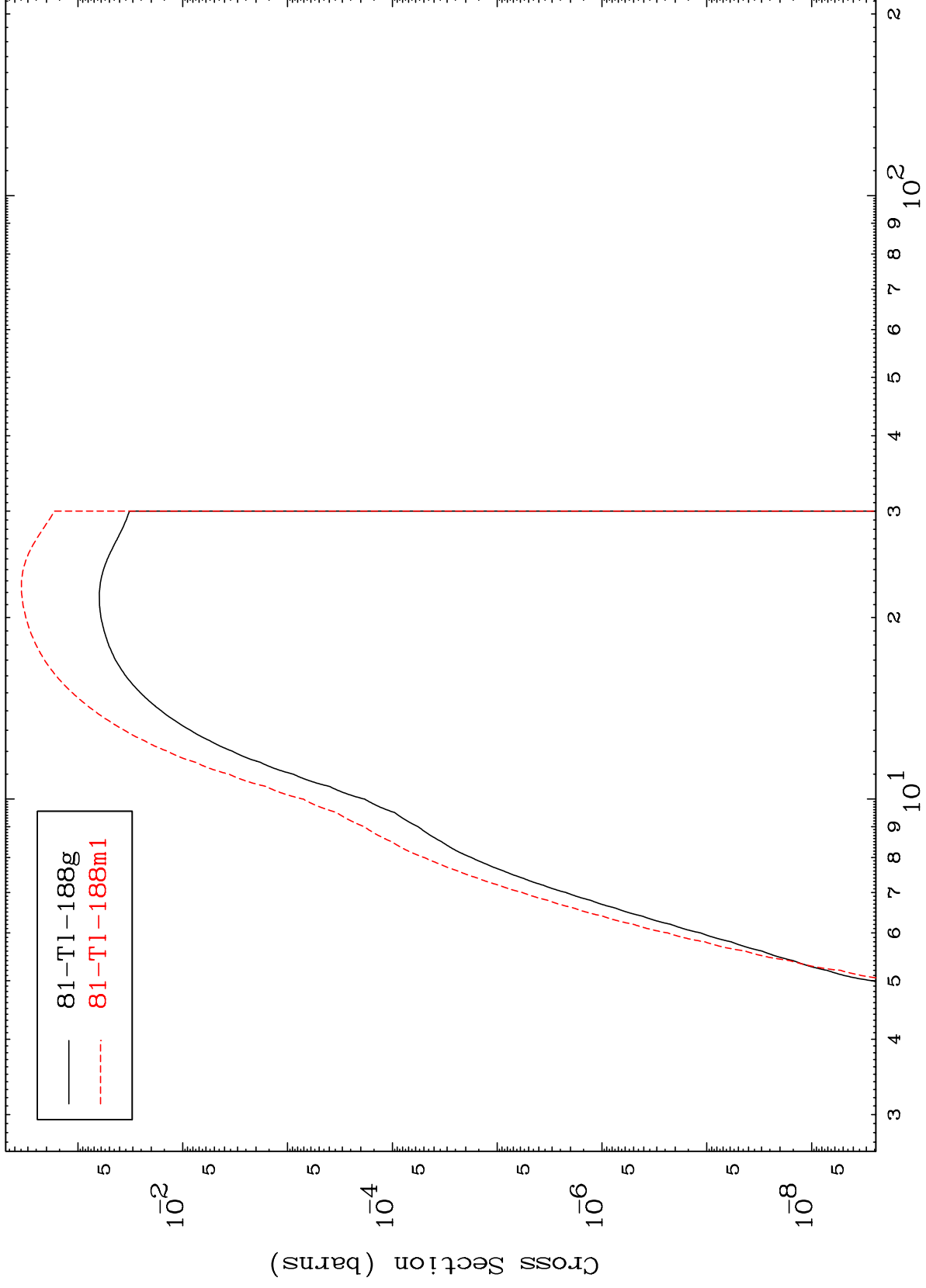
82-Pb-189m

MAT 8181

(n,n') p

82-Pb-189m

Radionuclide Production Cross Section



24

Incident Energy (MeV)

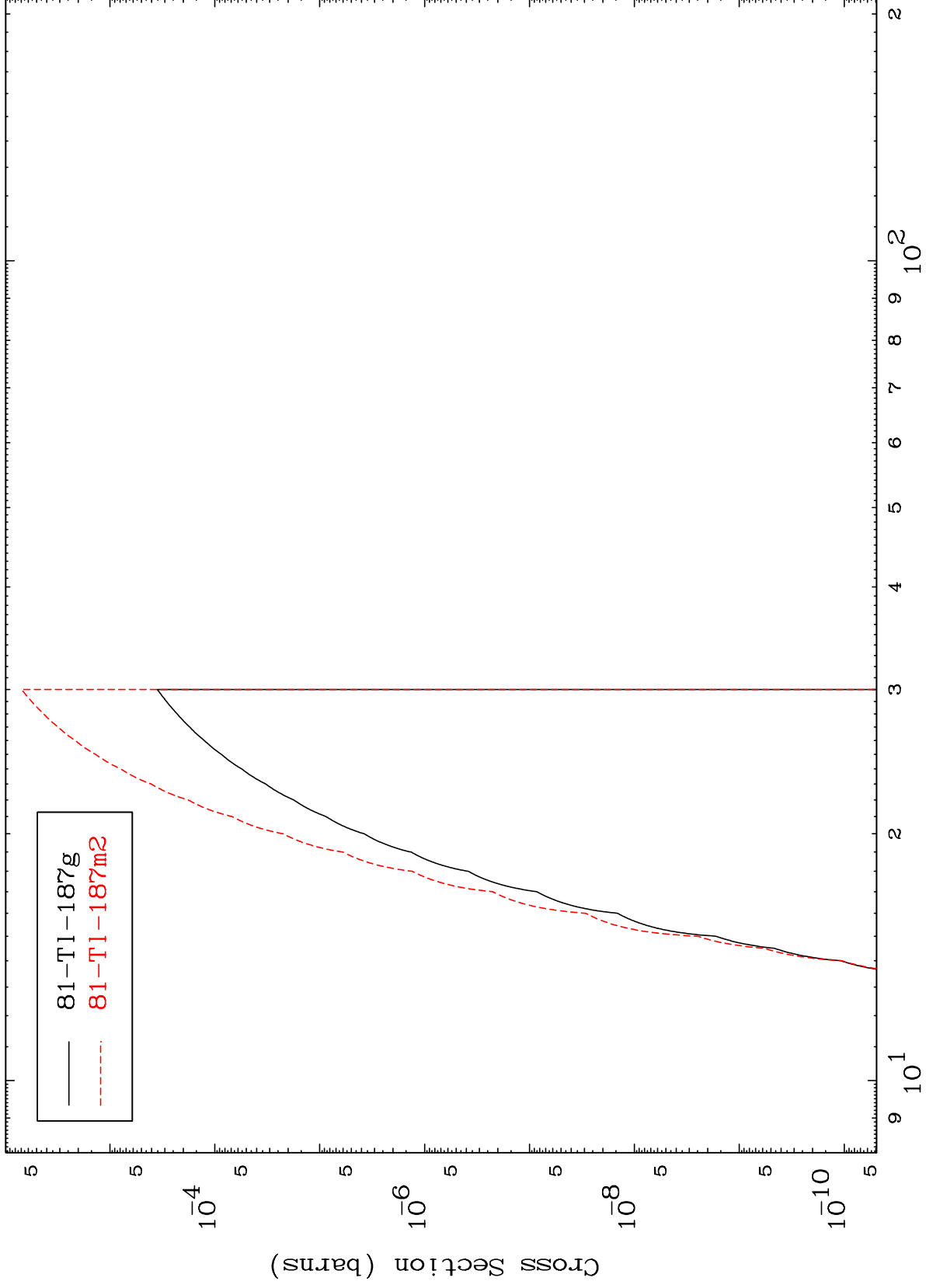
82-Pb-189m

MAT 8181

(n,n') d

82-Pb-189m

Radionuclide Production Cross Section

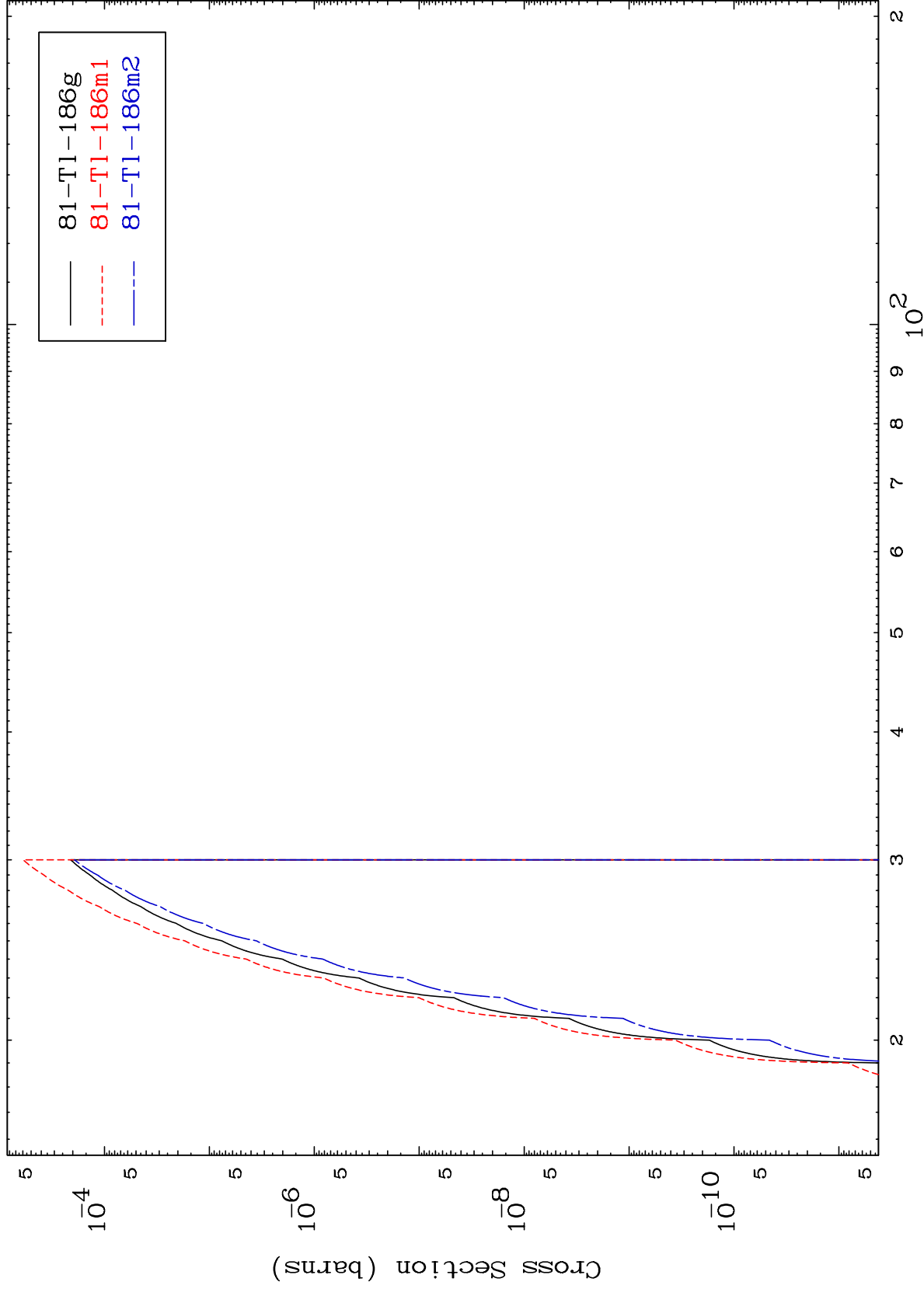


25

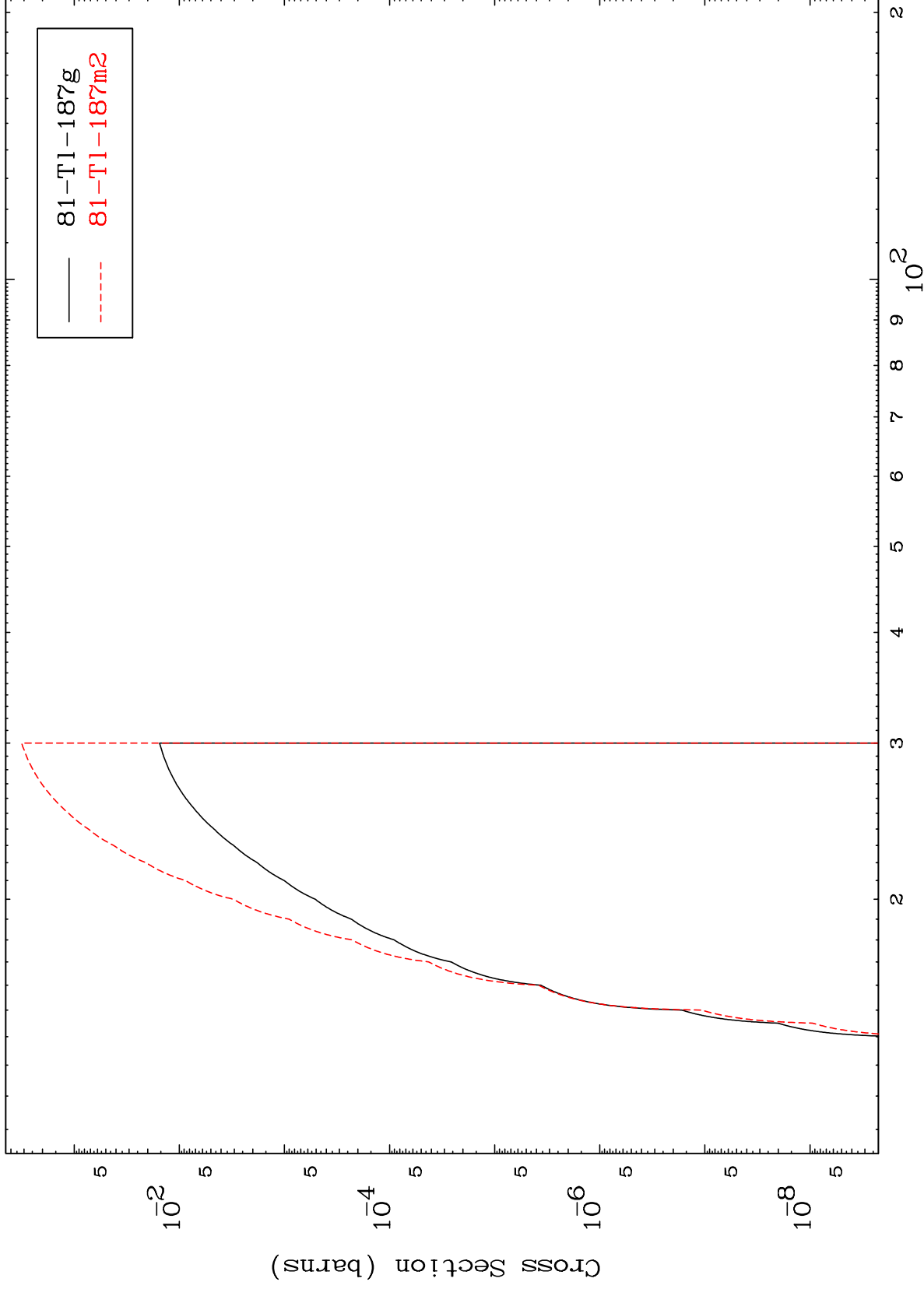
Incident Energy (MeV)

82-Pb-189m

Radionuclide Production Cross Section



Radionuclide Production Cross Section

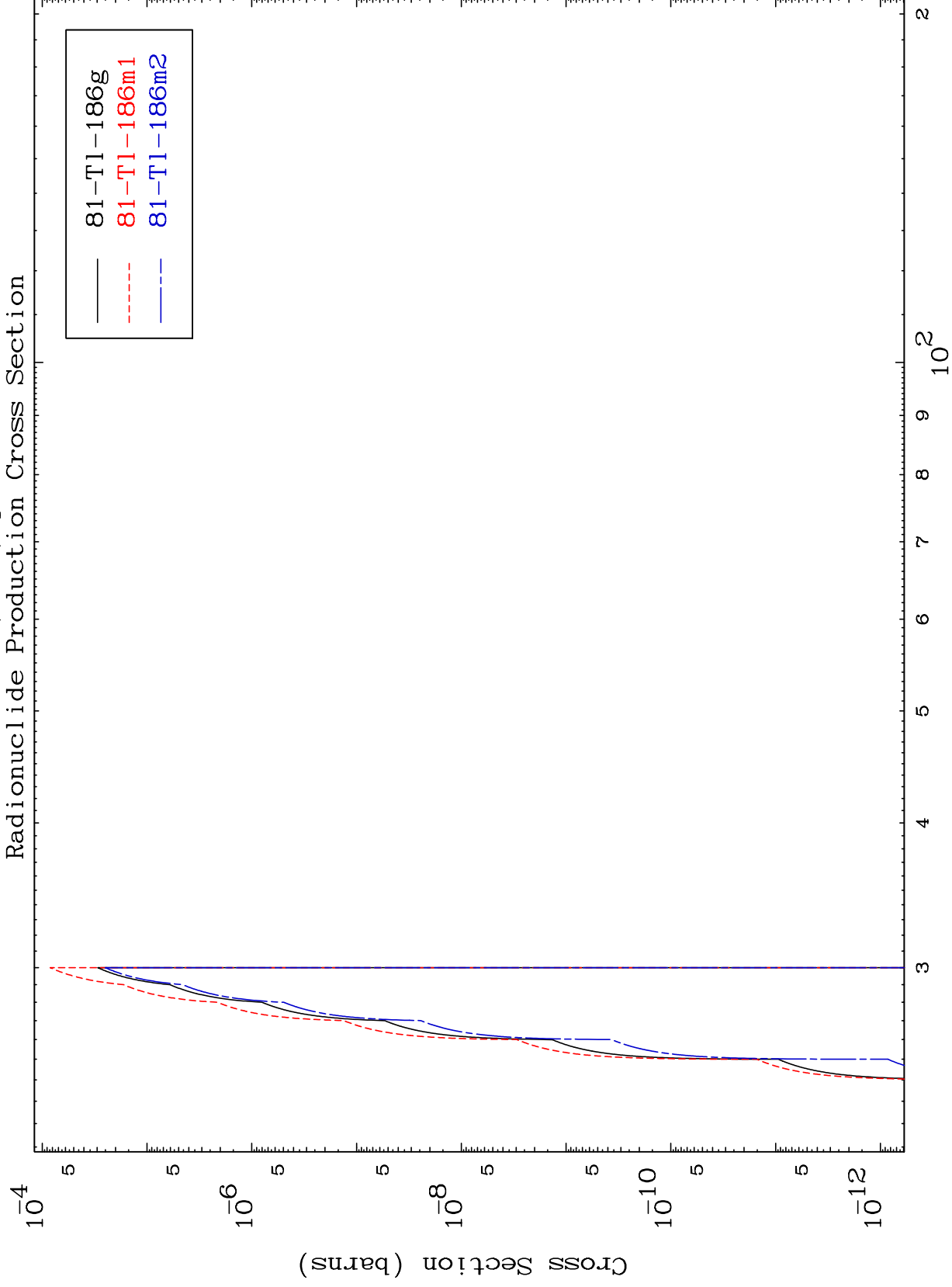


MAT 8181

(n,3n) p

82-Pb-189m

Radionuclide Production Cross Section



28

Incident Energy (MeV)

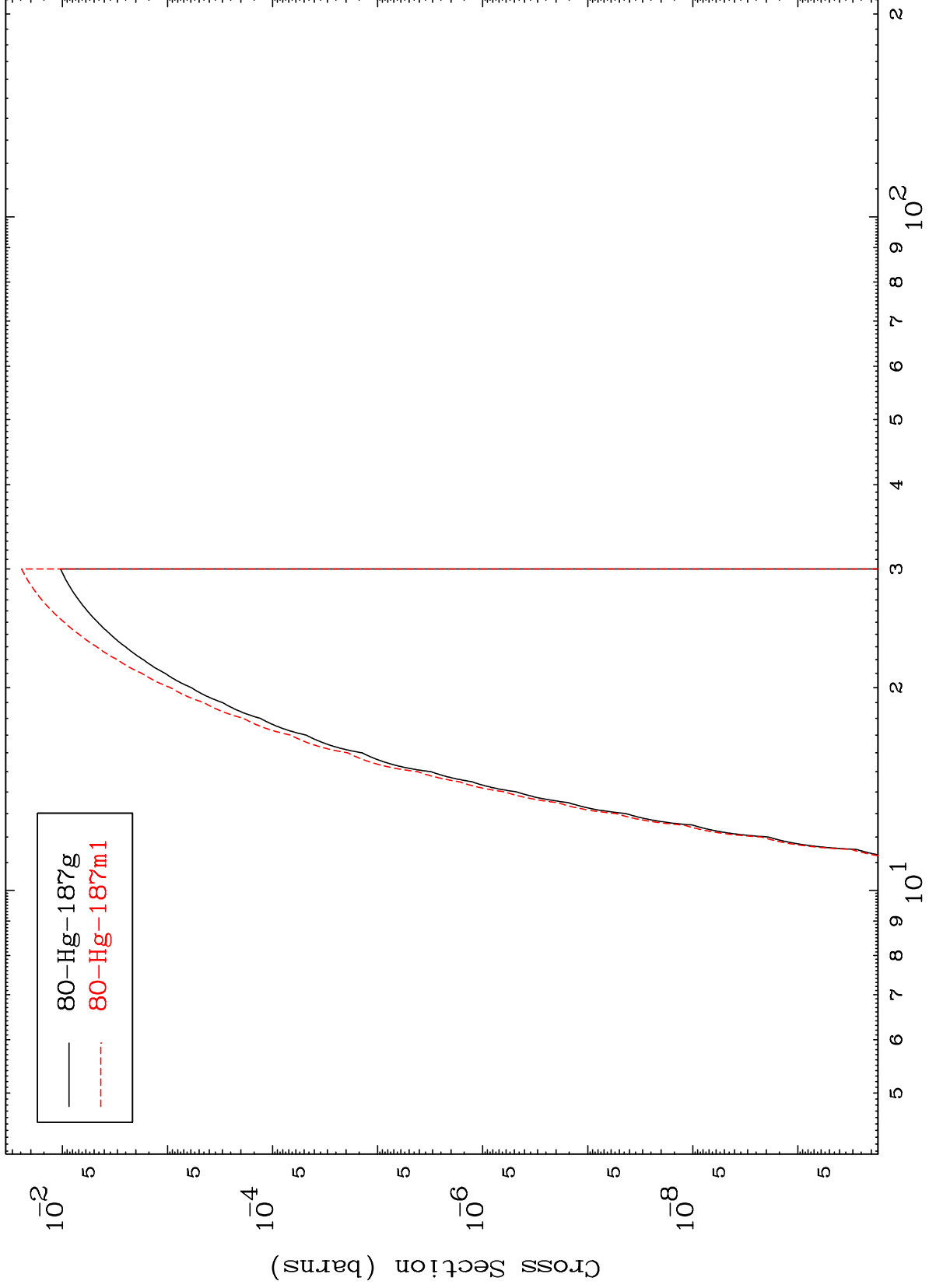
82-Pb-189m

MAT 8181

(n,2n) p

82-Pb-189m

Radionuclide Production Cross Section



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

29

Incident Energy (MeV)

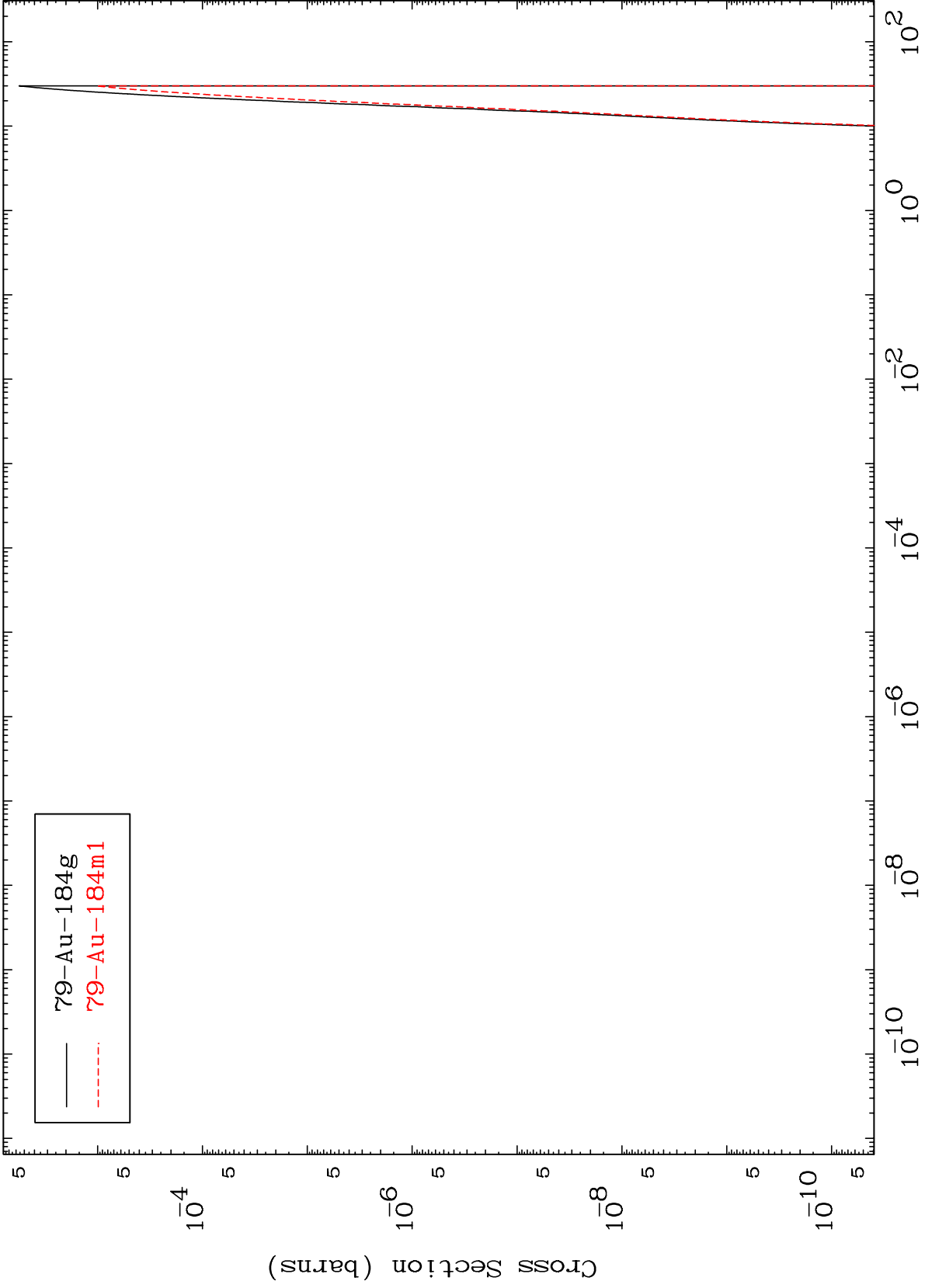
82-Pb-189m

MAT 8181

(n,n') p α

82-Pb-189m

Radionuclide Production Cross Section



30

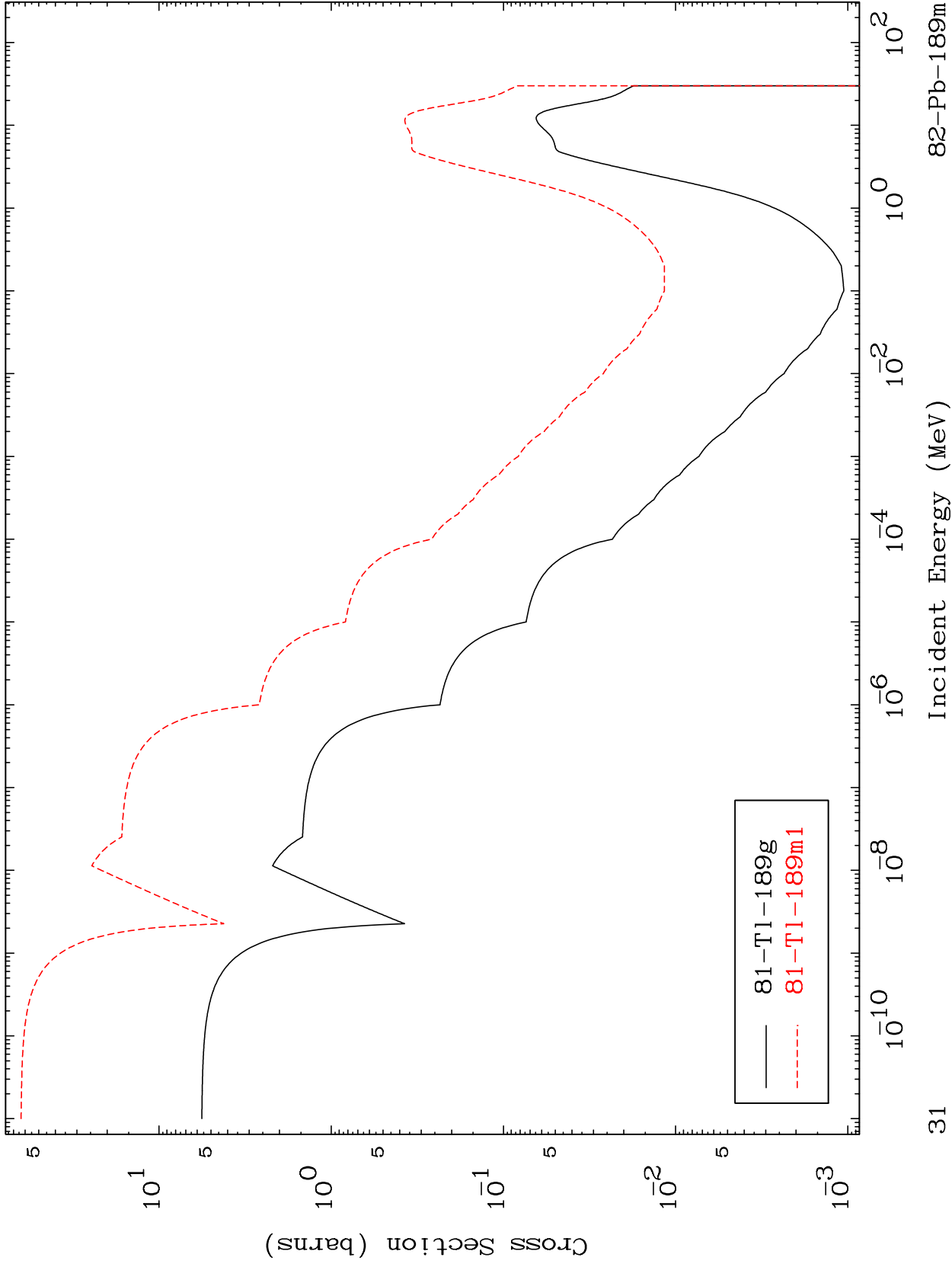
Incident Energy (MeV)

82-Pb-189m

MAT 8181

82-Pb-189m

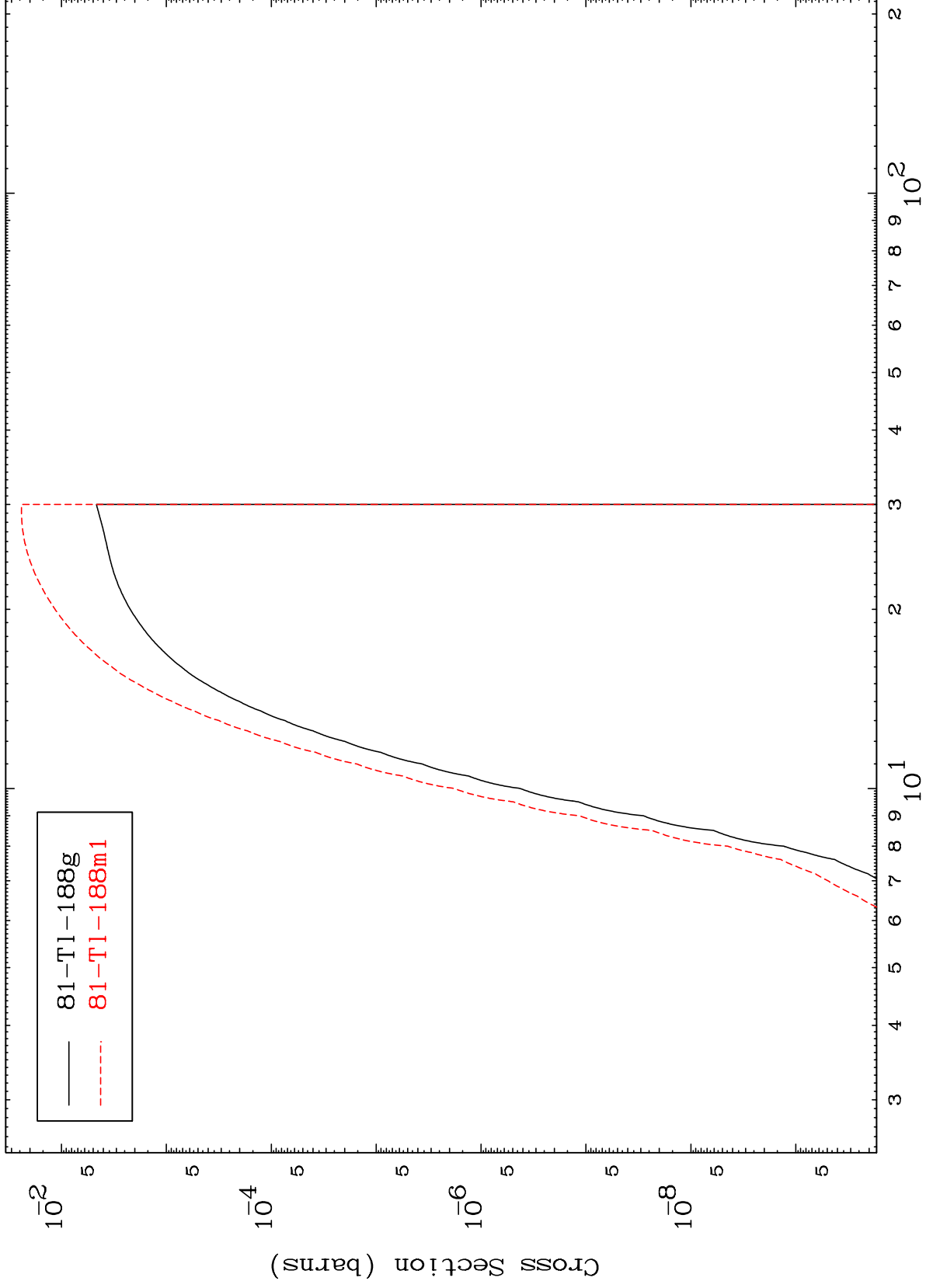
(n,p)
Radionuclide Production Cross Section



MAT 8181

⁸²Pb-189m

(n,d)
Radionuclide Production Cross Section



⁸²Pb-189m

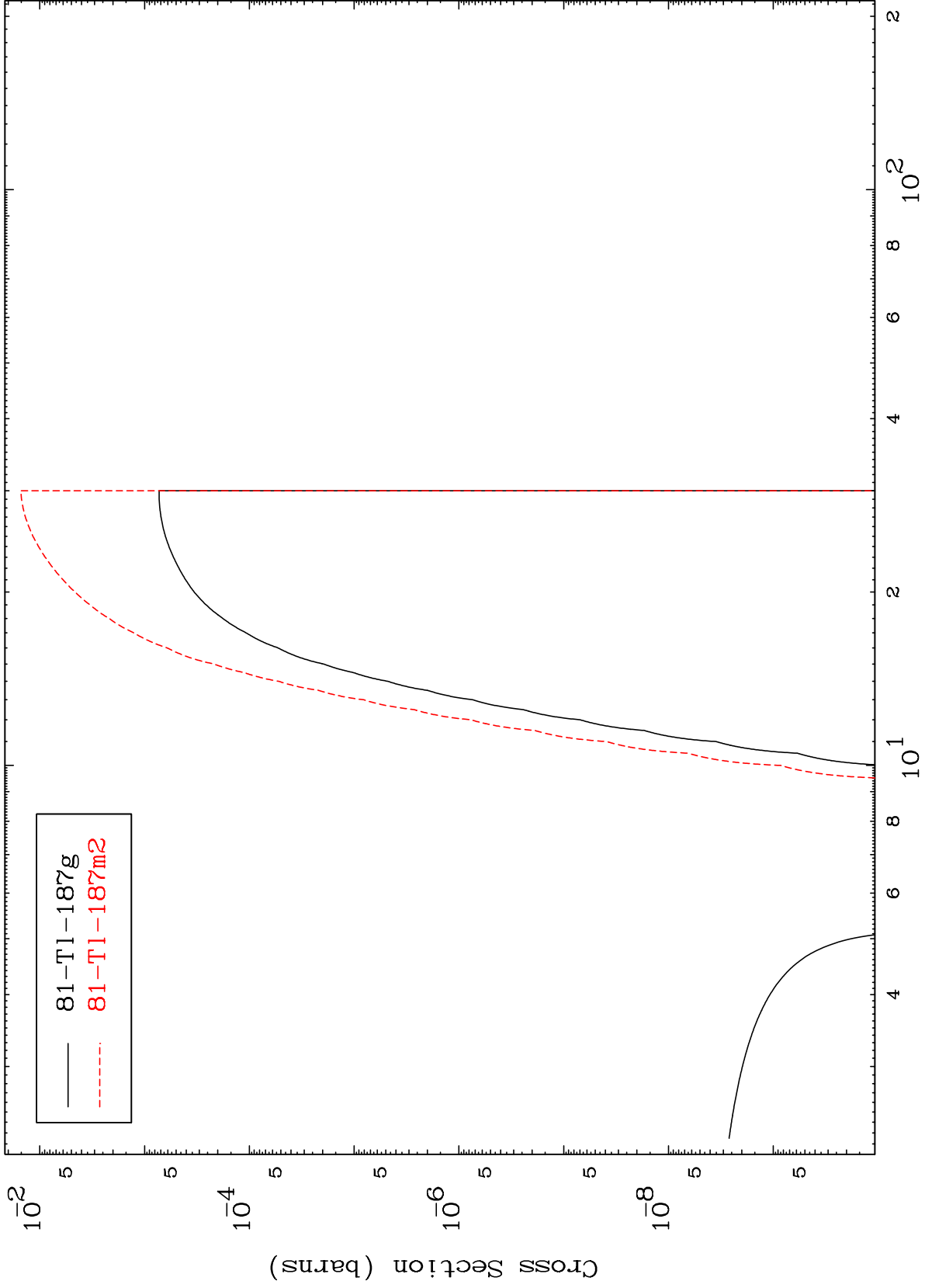
Incident Energy (MeV)

32

MAT 8181

82-Pb-189m

(n, t)
Radionuclide Production Cross Section



82-Pb-189m

Incident Energy (MeV)

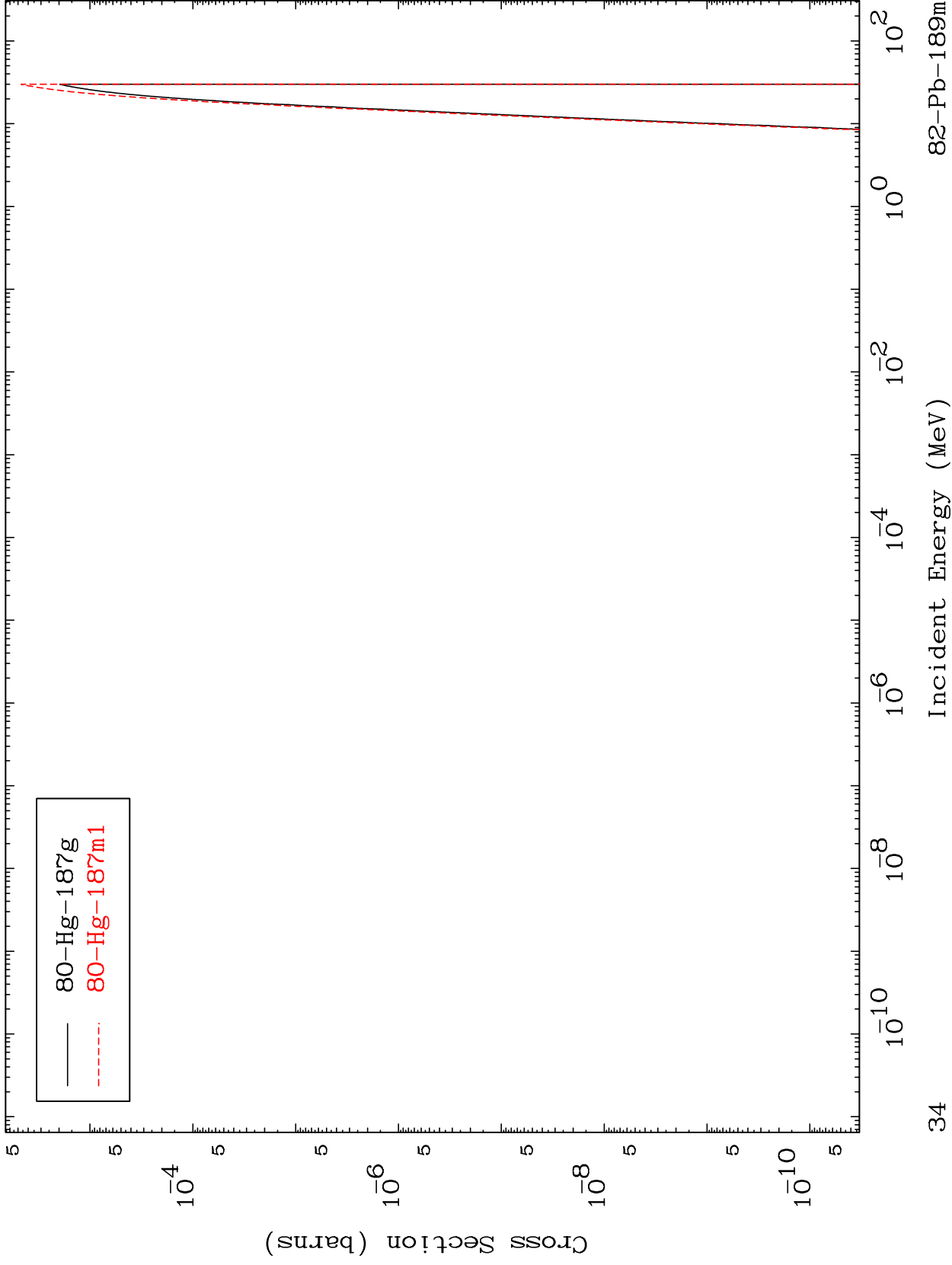
33

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(n,He-3)

82-Pb-189m

Radionuclide Production Cross Section

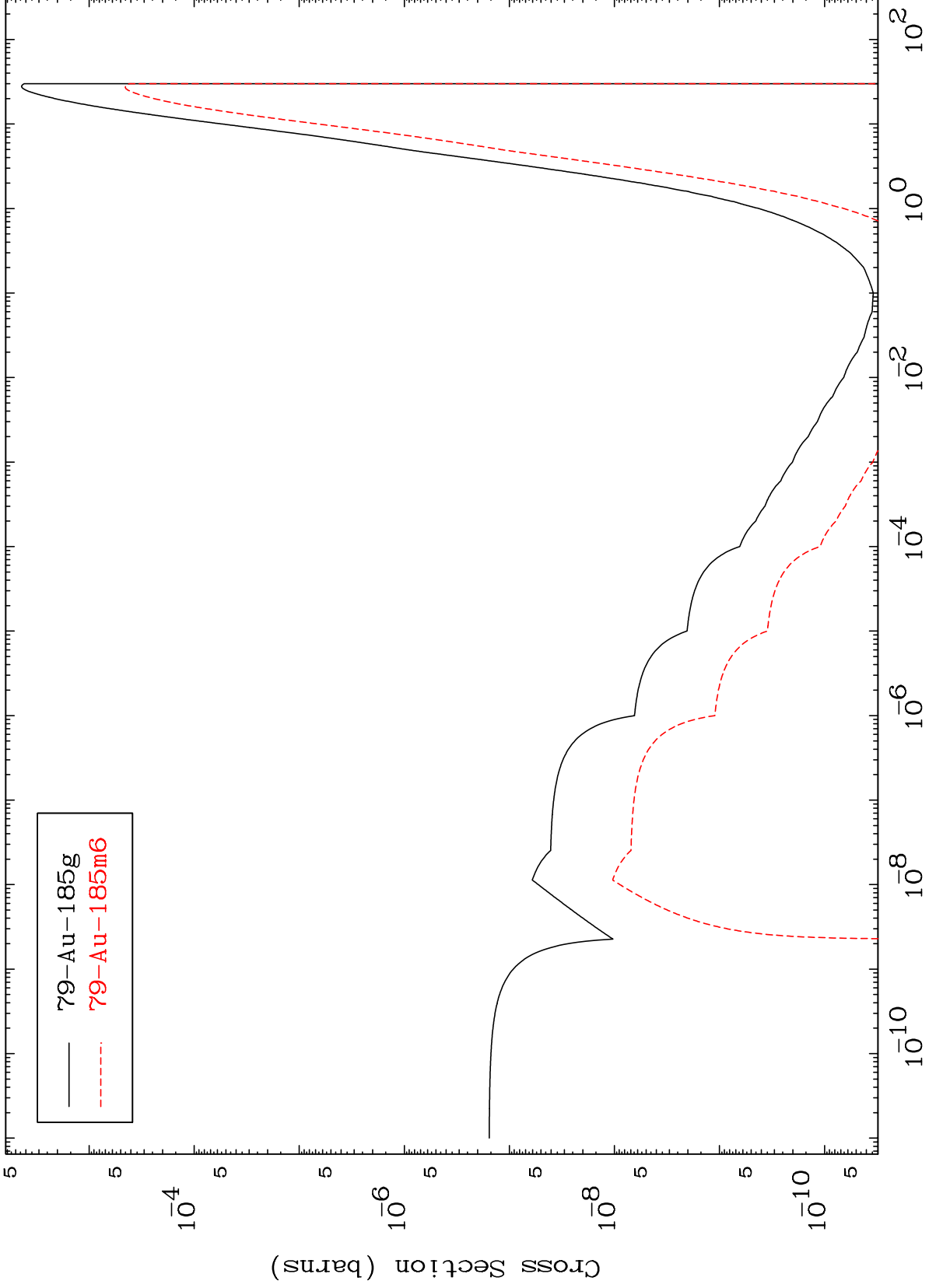


MAT 8181

(n,p) α

82-Pb-189m

Radionuclide Production Cross Section



35

Incident Energy (MeV)

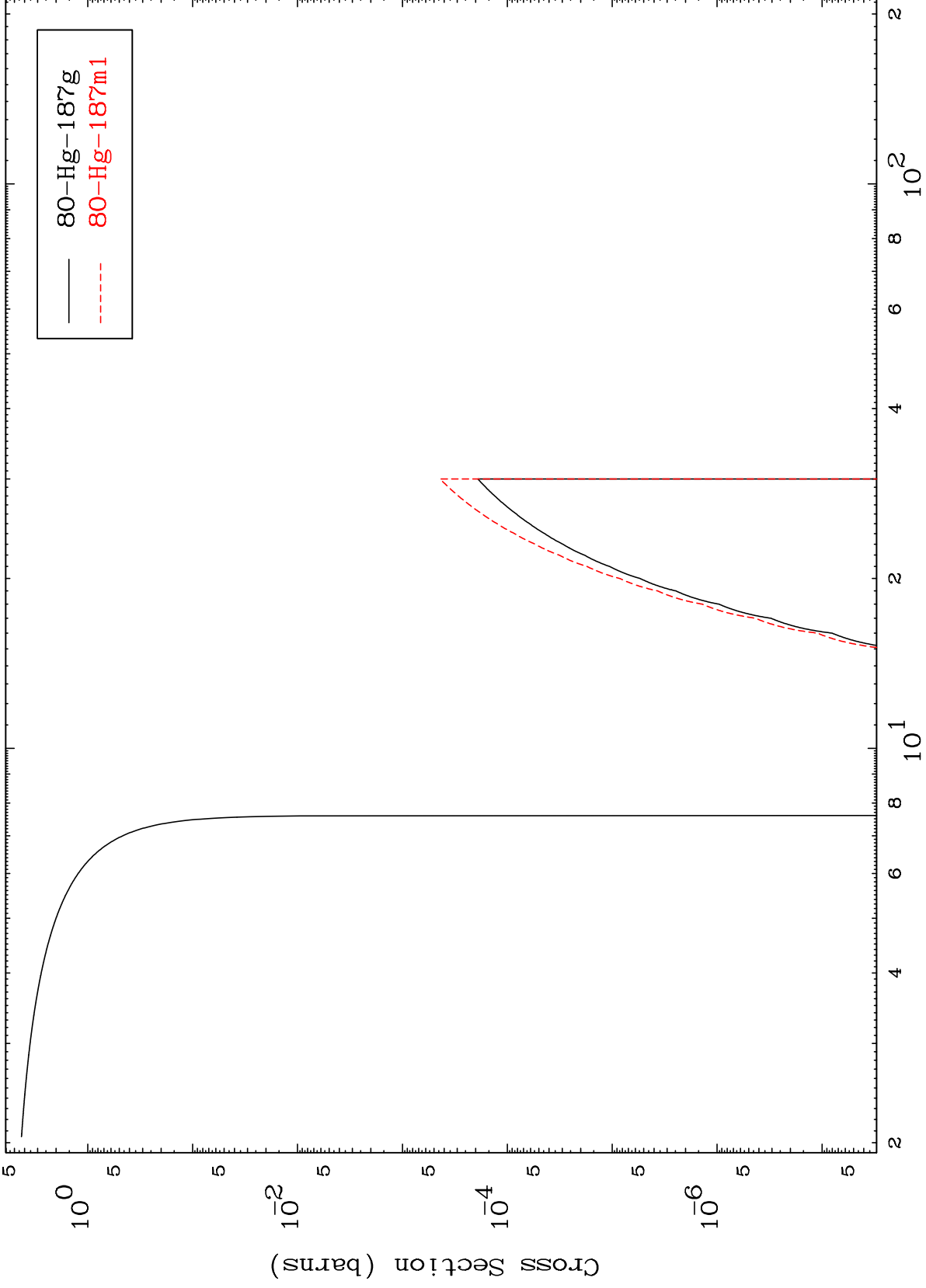
82-Pb-189m

MAT 8181

(n,p) d

82-Pb-189m

Radionuclide Production Cross Section



36

Incident Energy (MeV)

82-Pb-189m

MAT 8181

(n,d) α

$^{82}\text{Pb}-189\text{m}$

Radionuclide Production Cross Section

