

Program EVALPLOT
(Version 2021-1)

by

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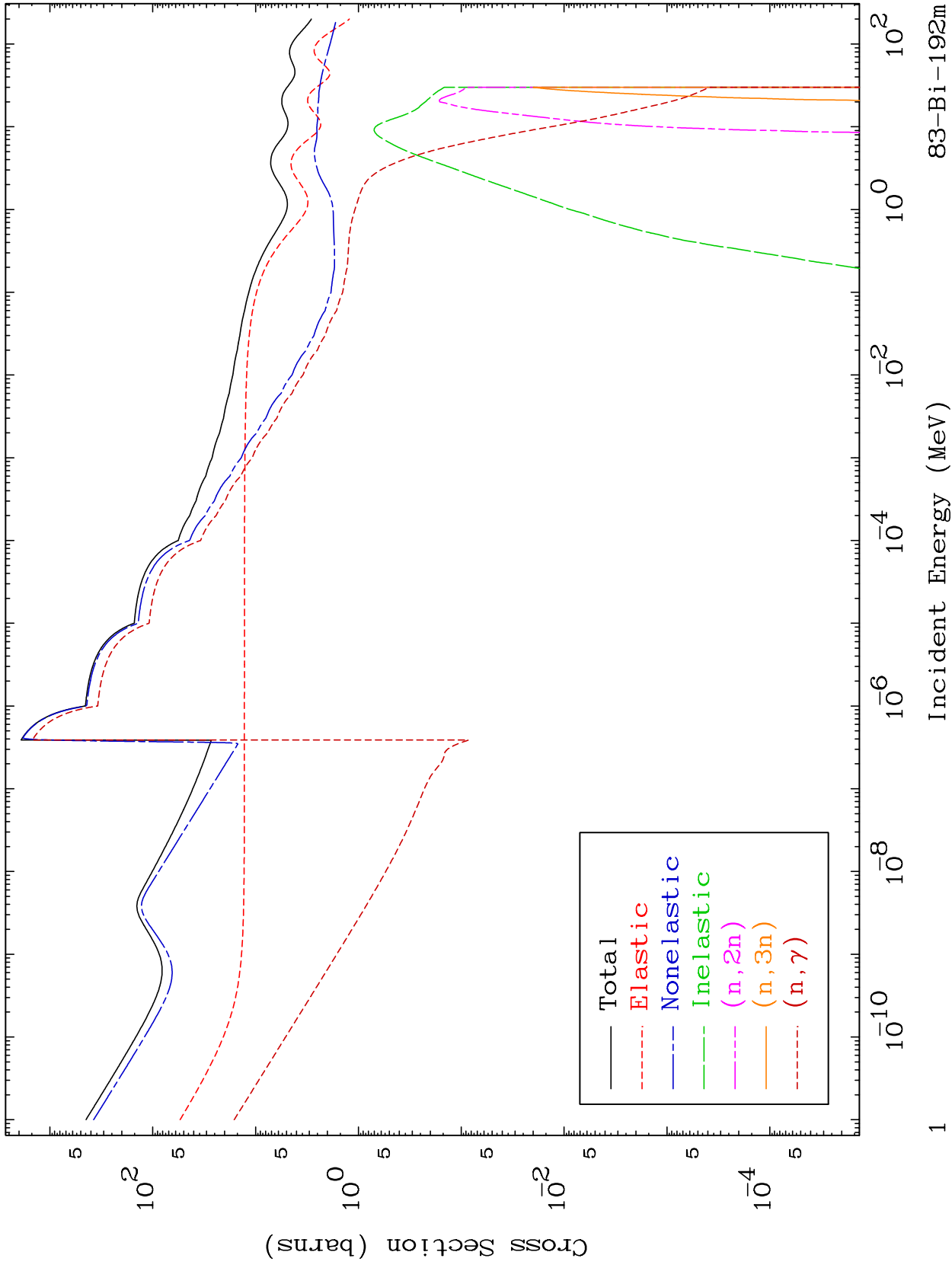
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8275

Neutron Major
293 Kelvin Cross Sections

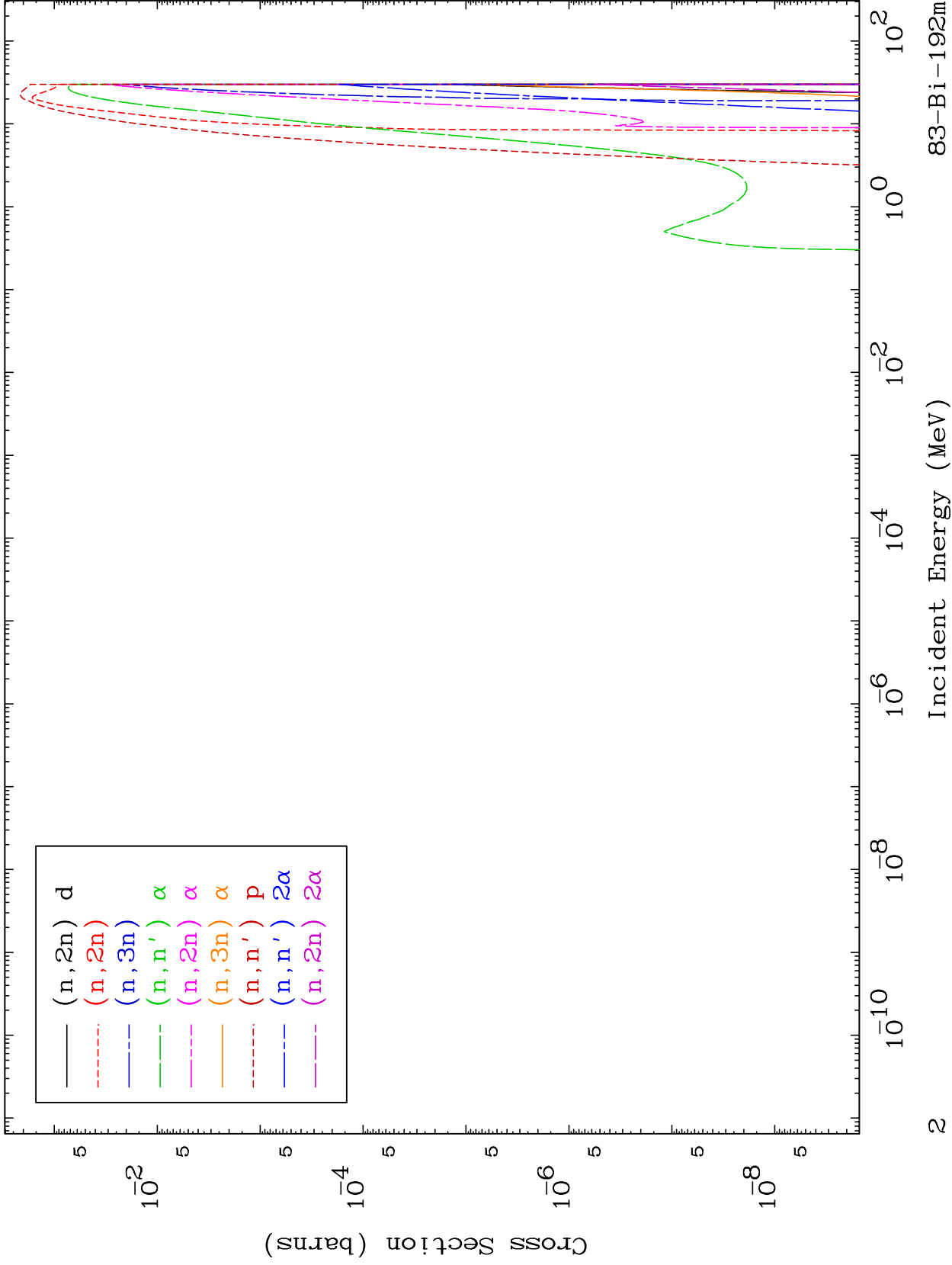
83-Bi-192m



MAT 8275

Neutron Absorption
293 Kelvin Cross Sections

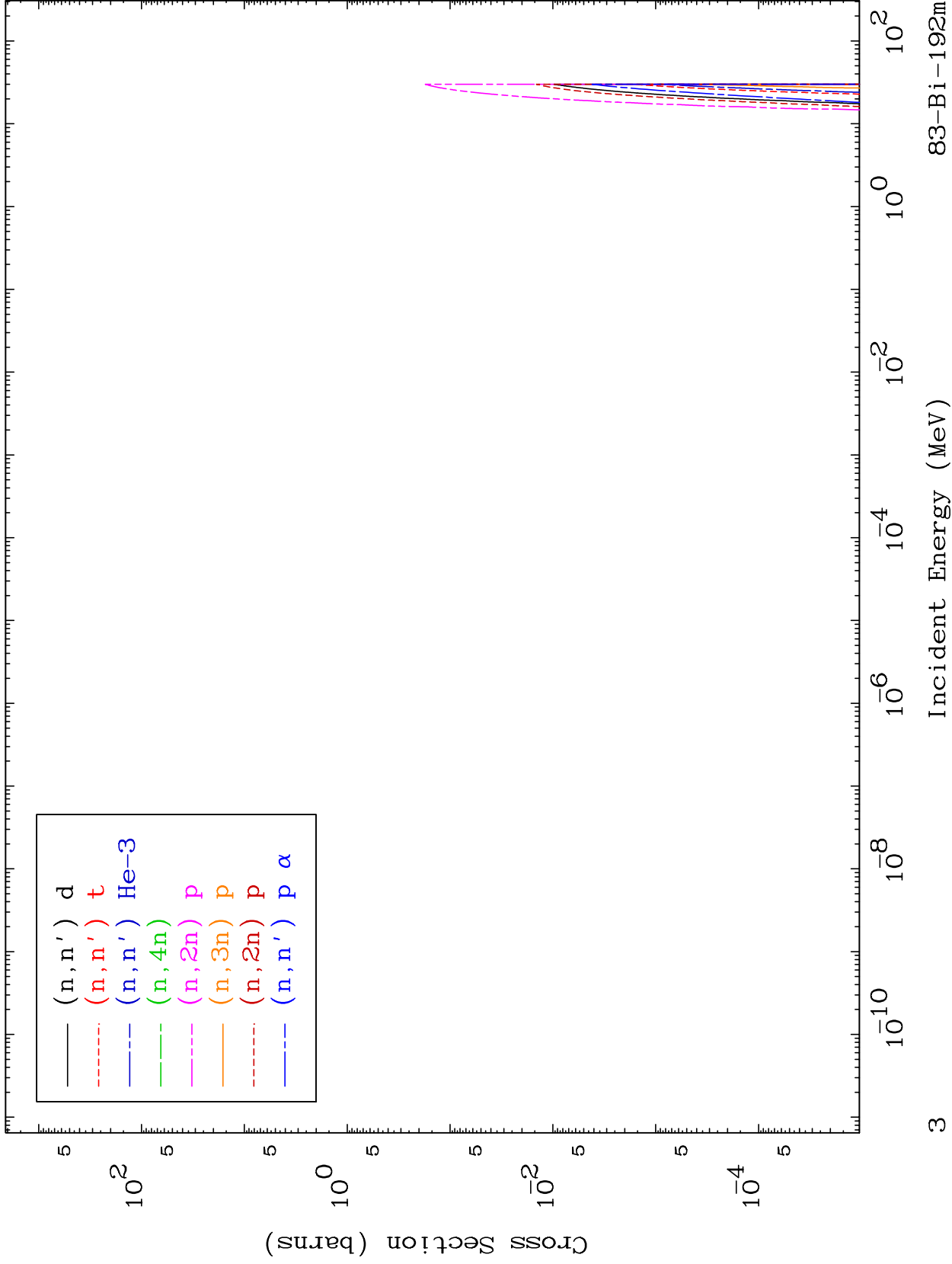
83-Bi-192m



MAT 8275

Neutron Absorption
293 Kelvin Cross Sections

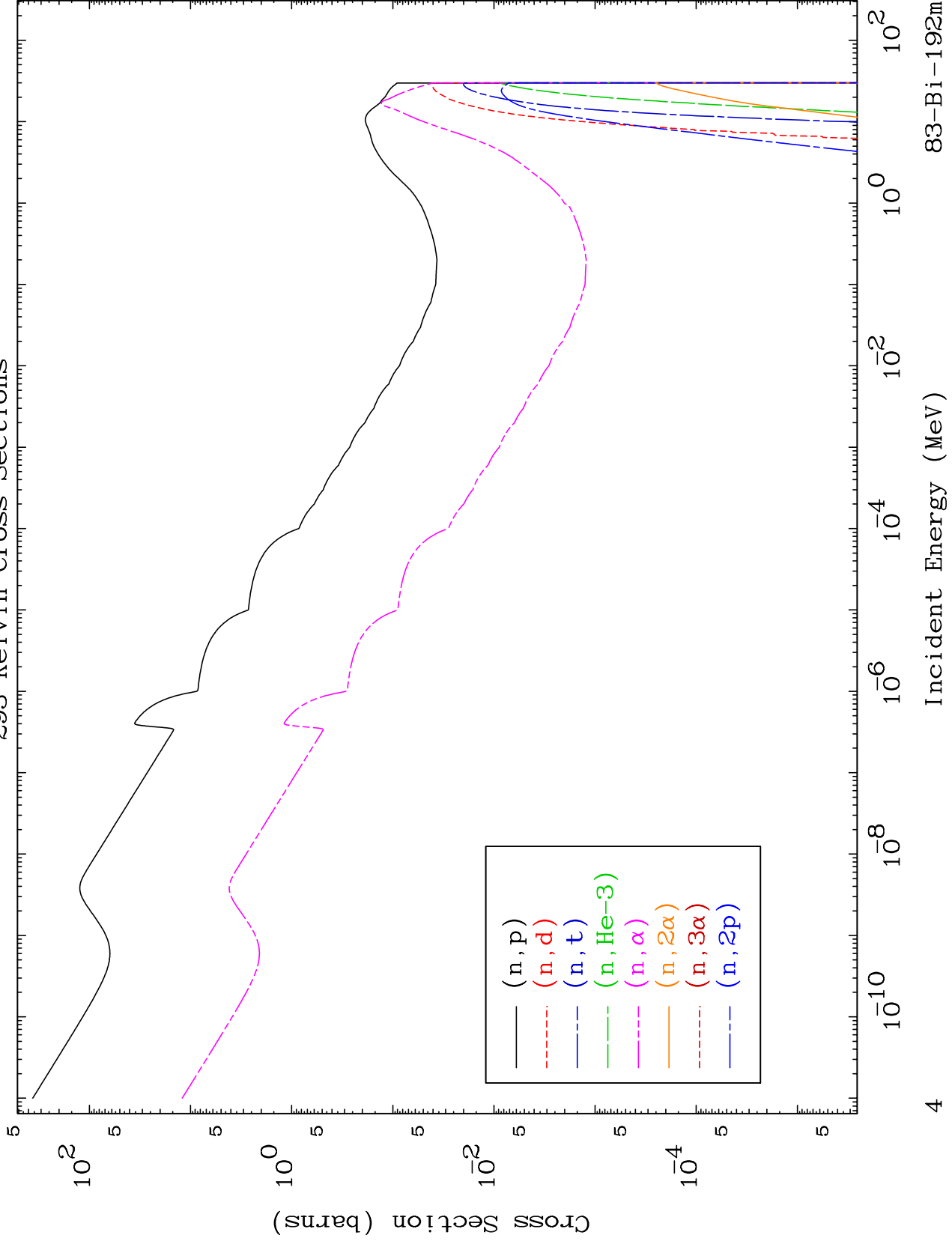
83-Bi-192m



MAT 8275

Neutron Absorption
293 Kelvin Cross Sections

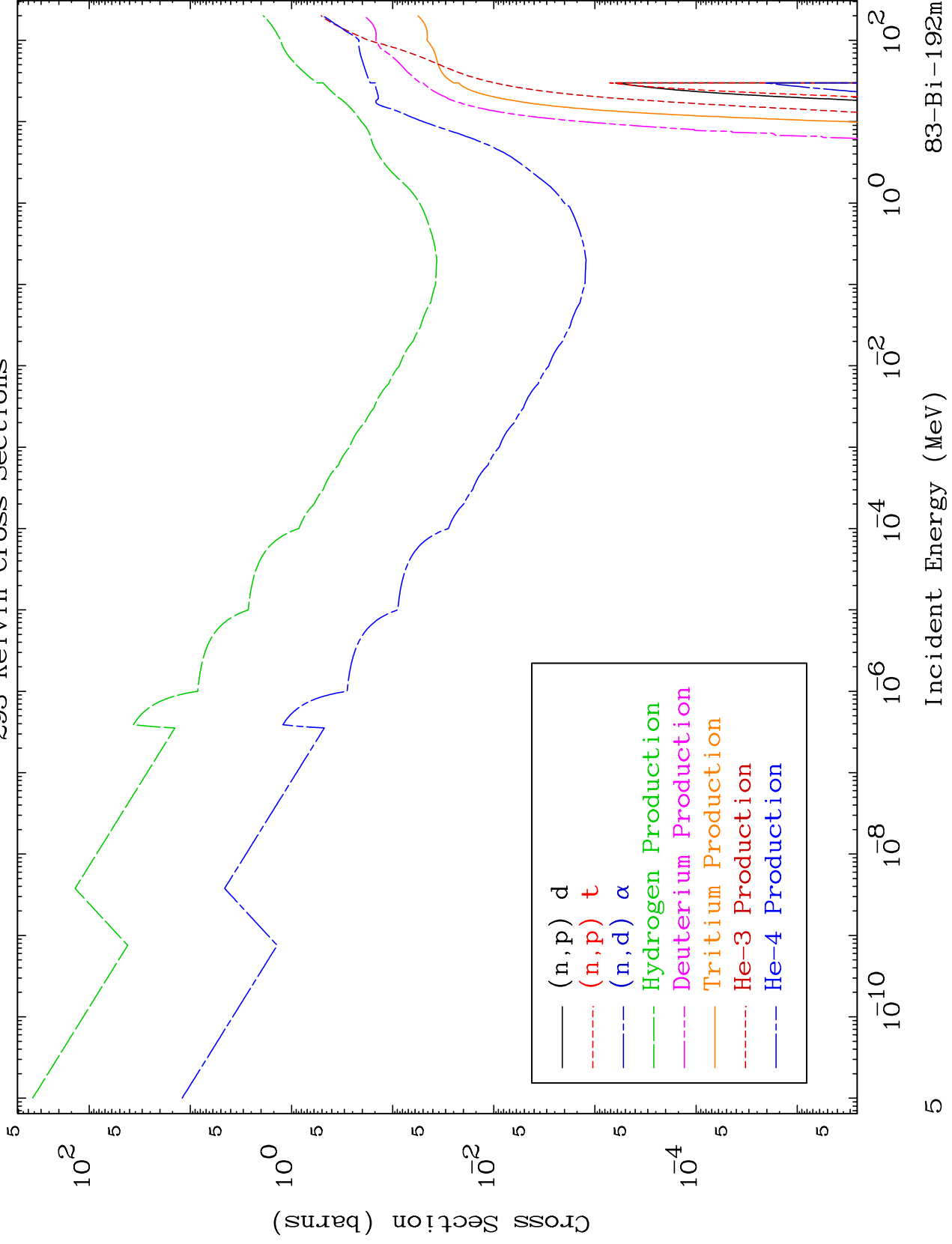
83-Bi-192m



MAT 8275

Neutron Absorption
293 Kelvin Cross Sections

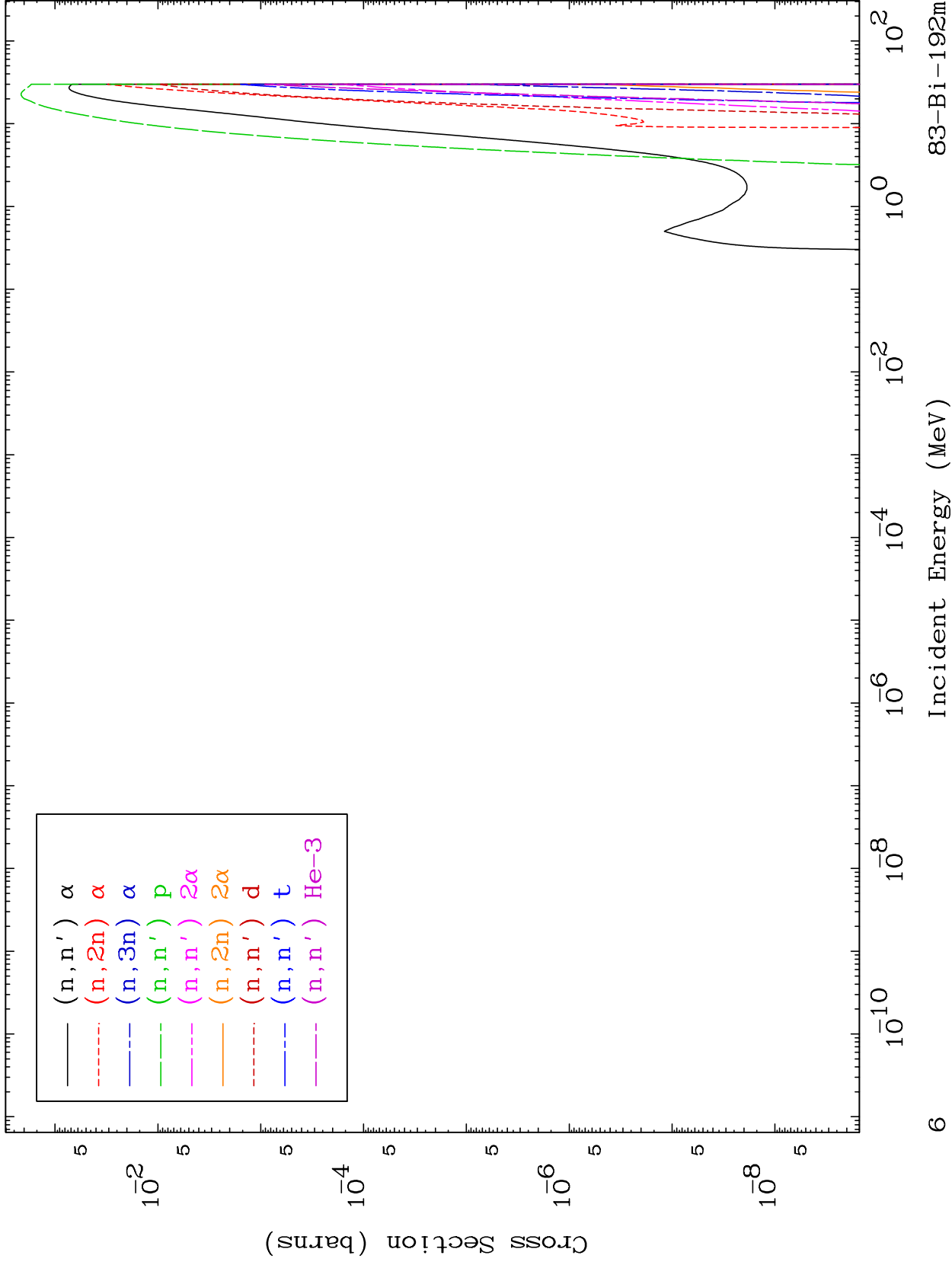
83-Bi-192m

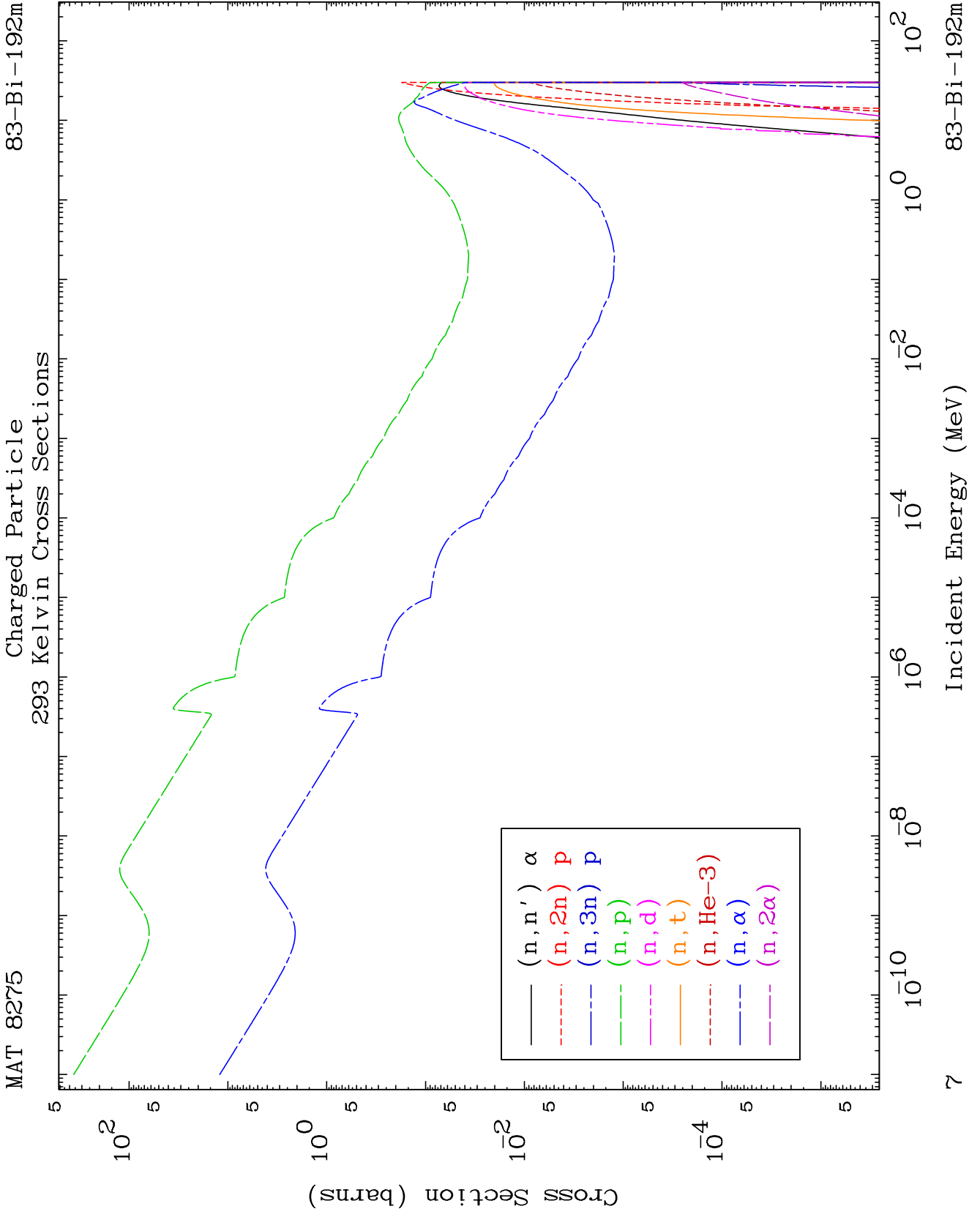


MAT 8275

Charged Particle
293 Kelvin Cross Sections

83-Bi-192m

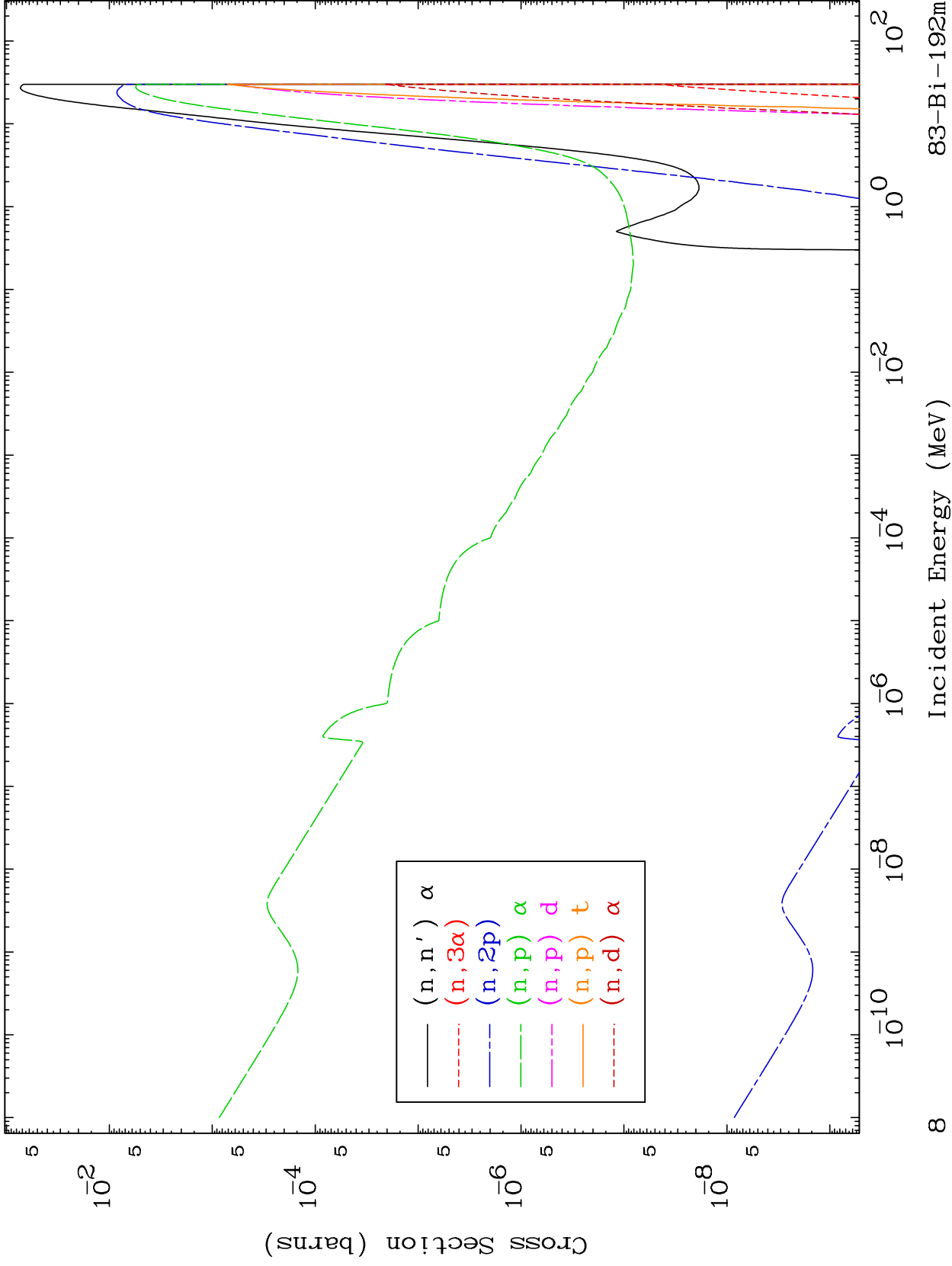




MAT 8275

Charged Particle
293 Kelvin Cross Sections

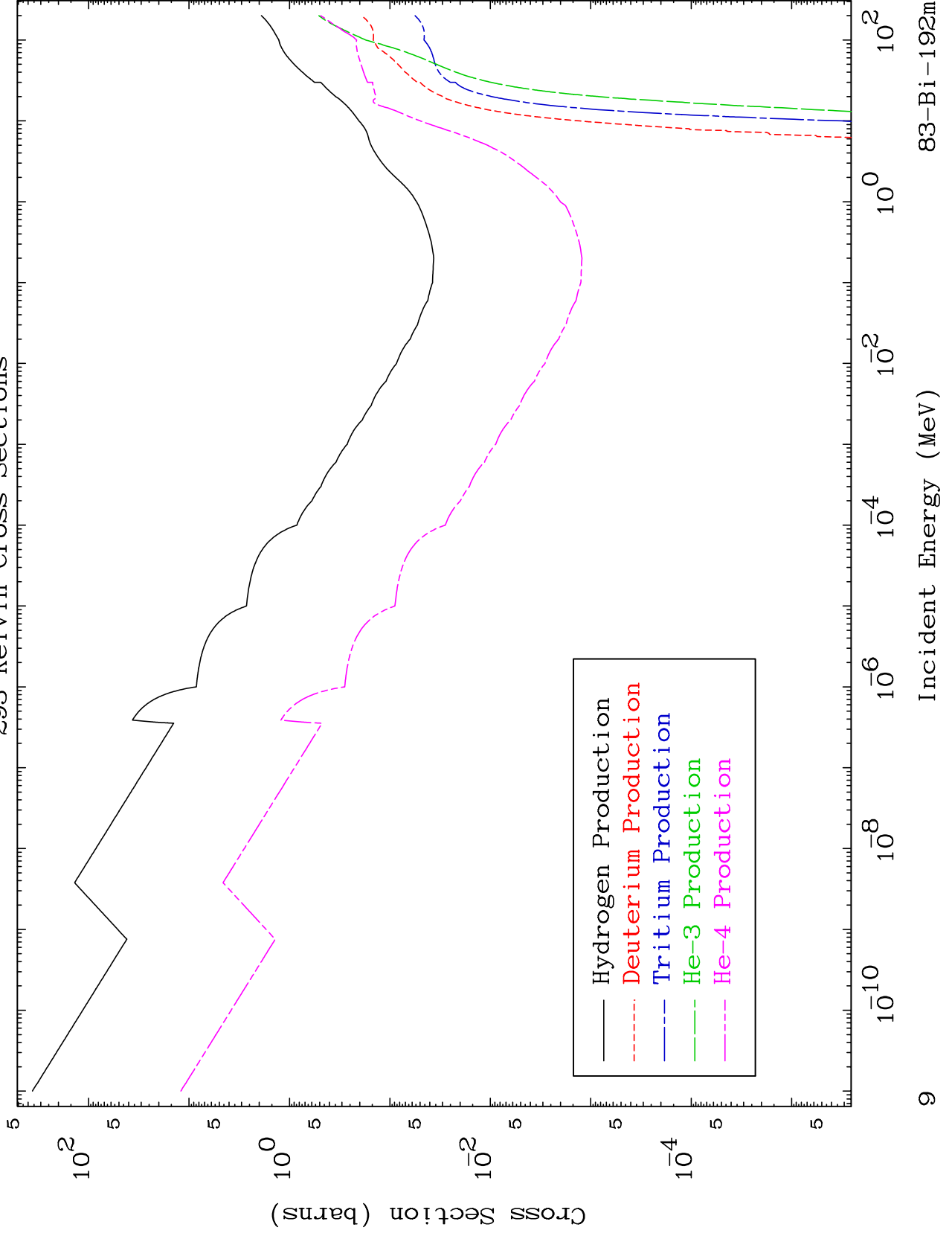
83-Bi-192m



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Particle Production
293 Kelvin Cross Sections

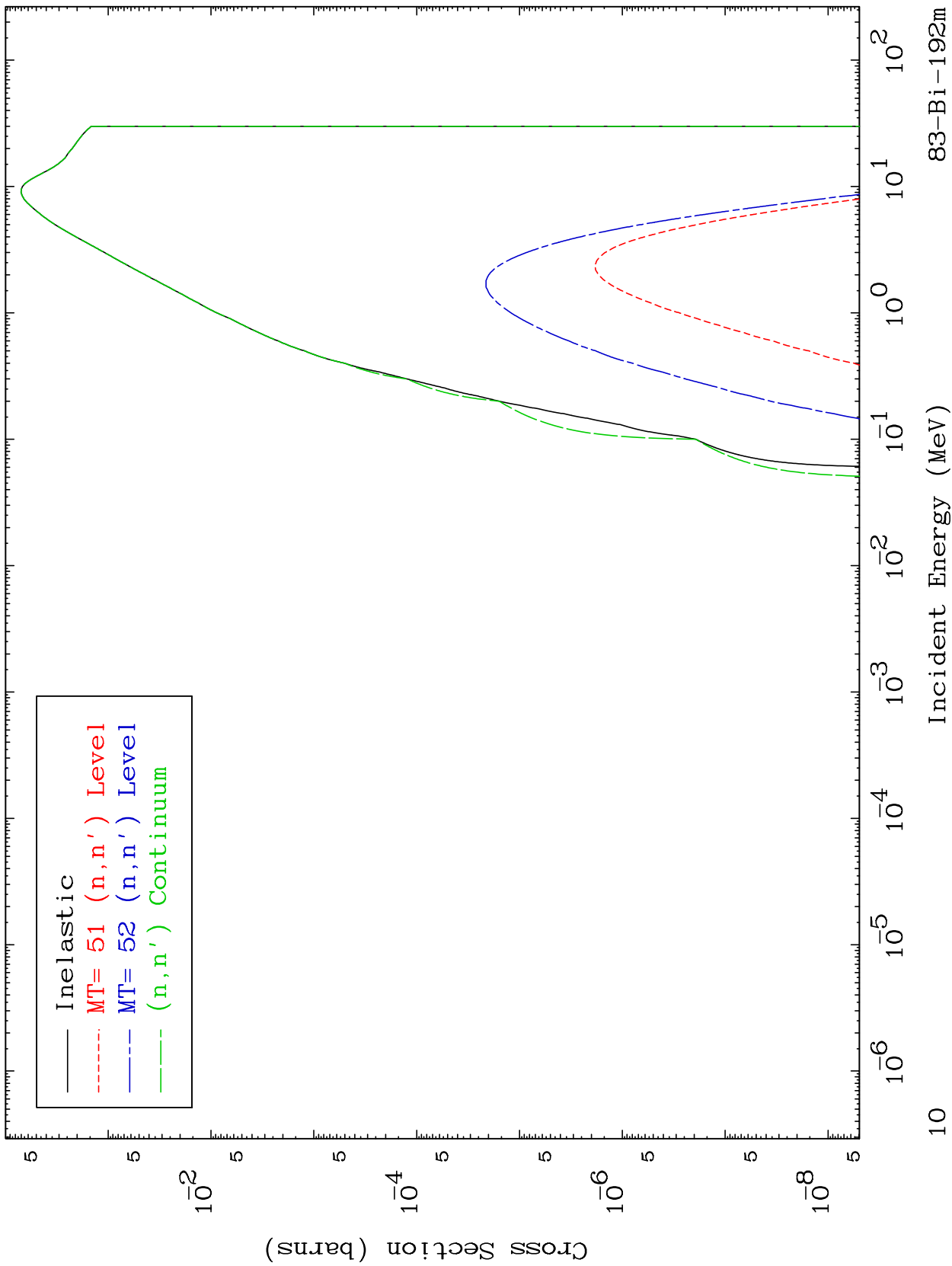
83-Bi-192m



MAT 8275

(n,n') Levels
293 Kelvin Cross Sections

83-Bi-192m



83-Bi-192m

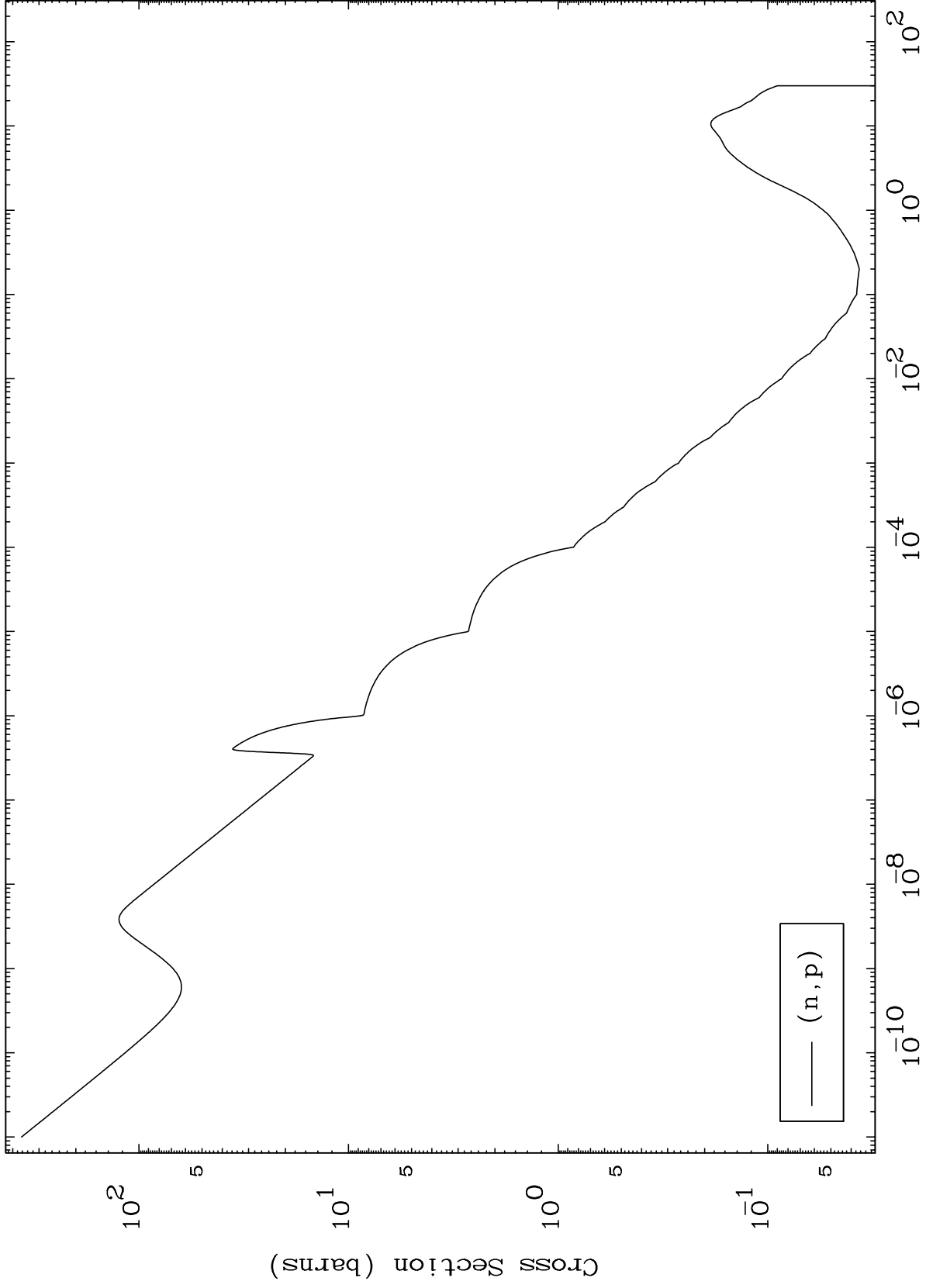
Incident Energy (MeV)

10

MAT 8275

(n,p) Levels
293 Kelvin Cross Sections

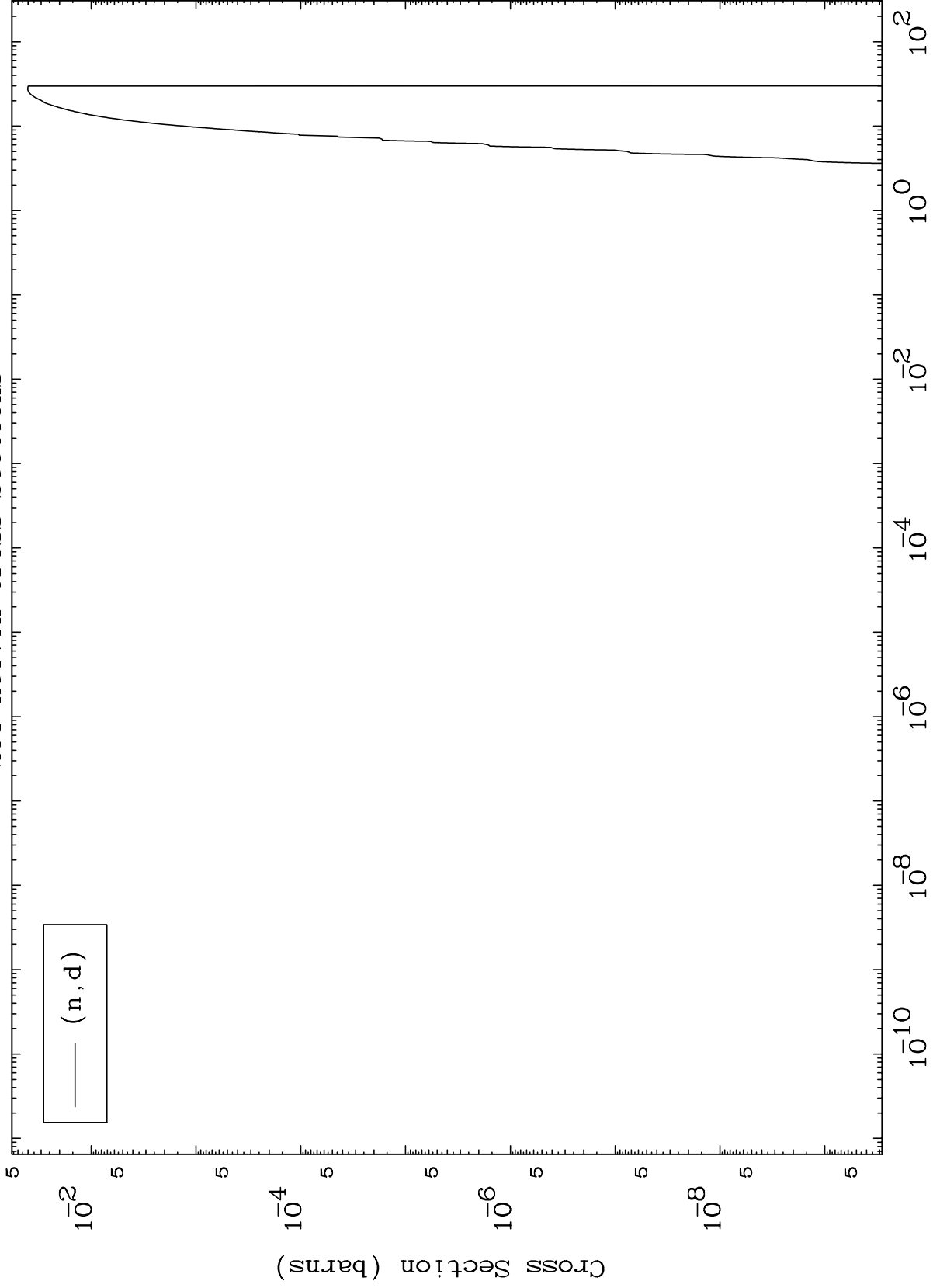
83-Bi-192m



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(n,d) Levels
293 Kelvin Cross Sections

83-Bi-192m



12

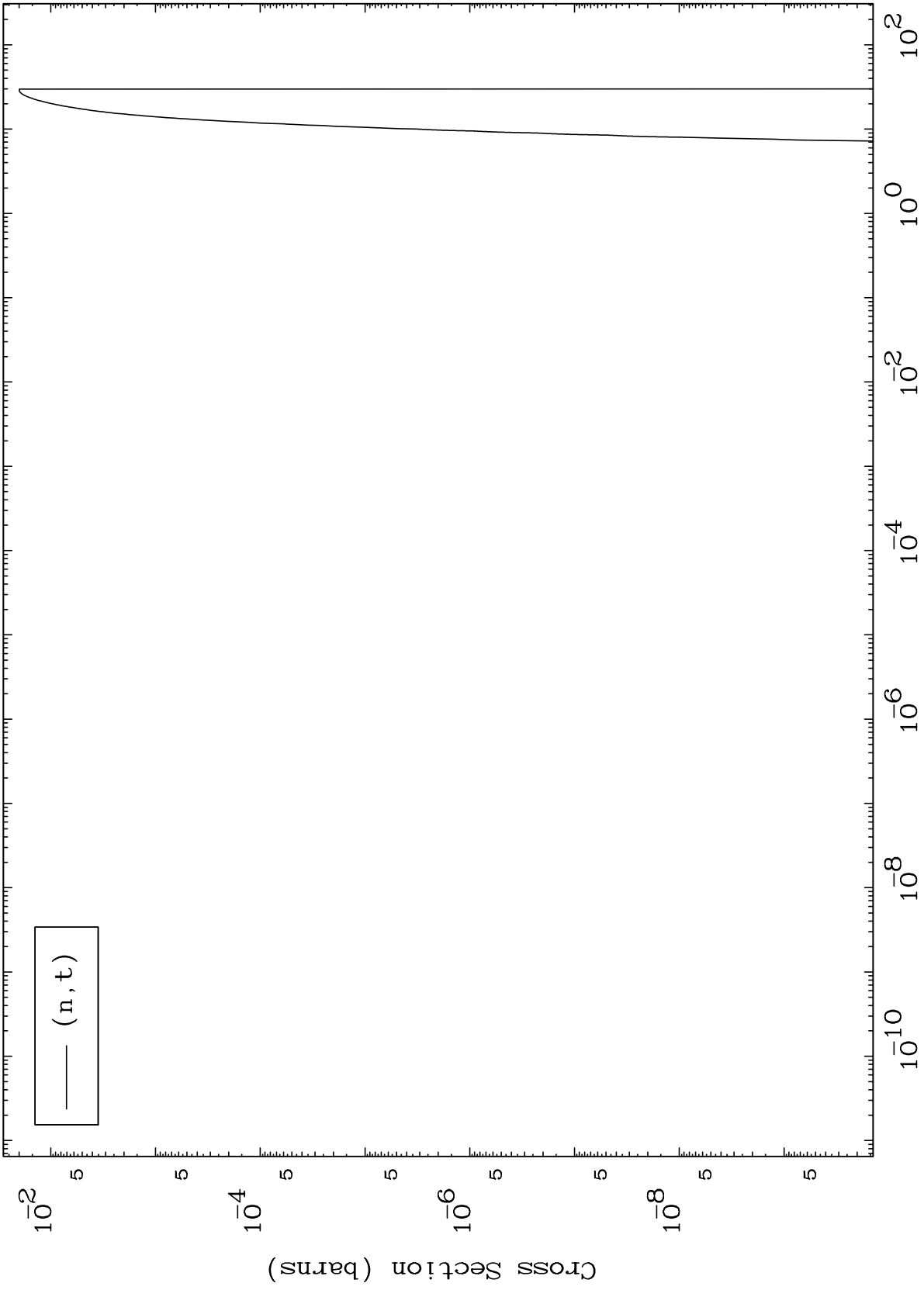
Incident Energy (MeV)

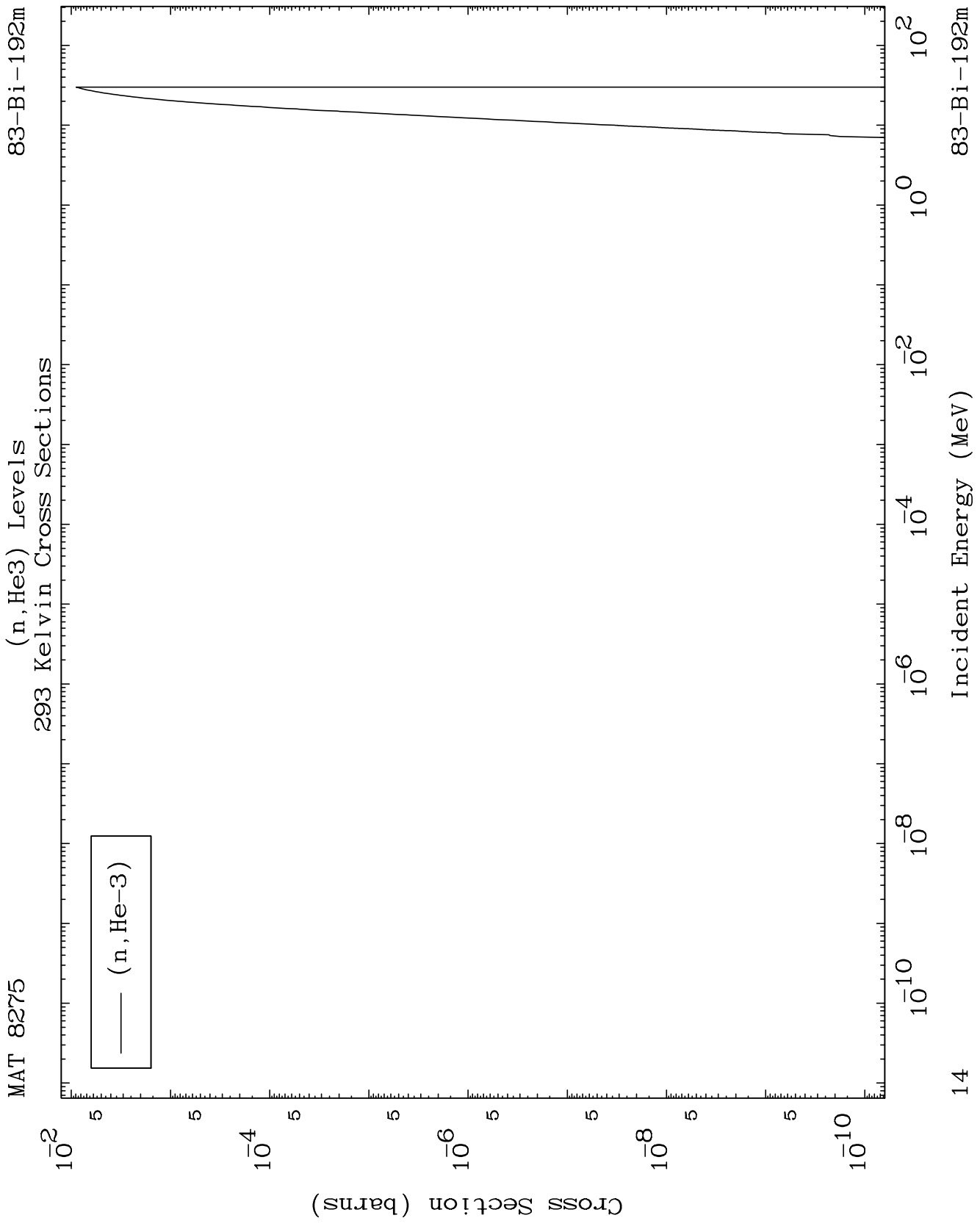
83-Bi-192m

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(n,t) Levels
293 Kelvin Cross Sections

83-Bi-192m

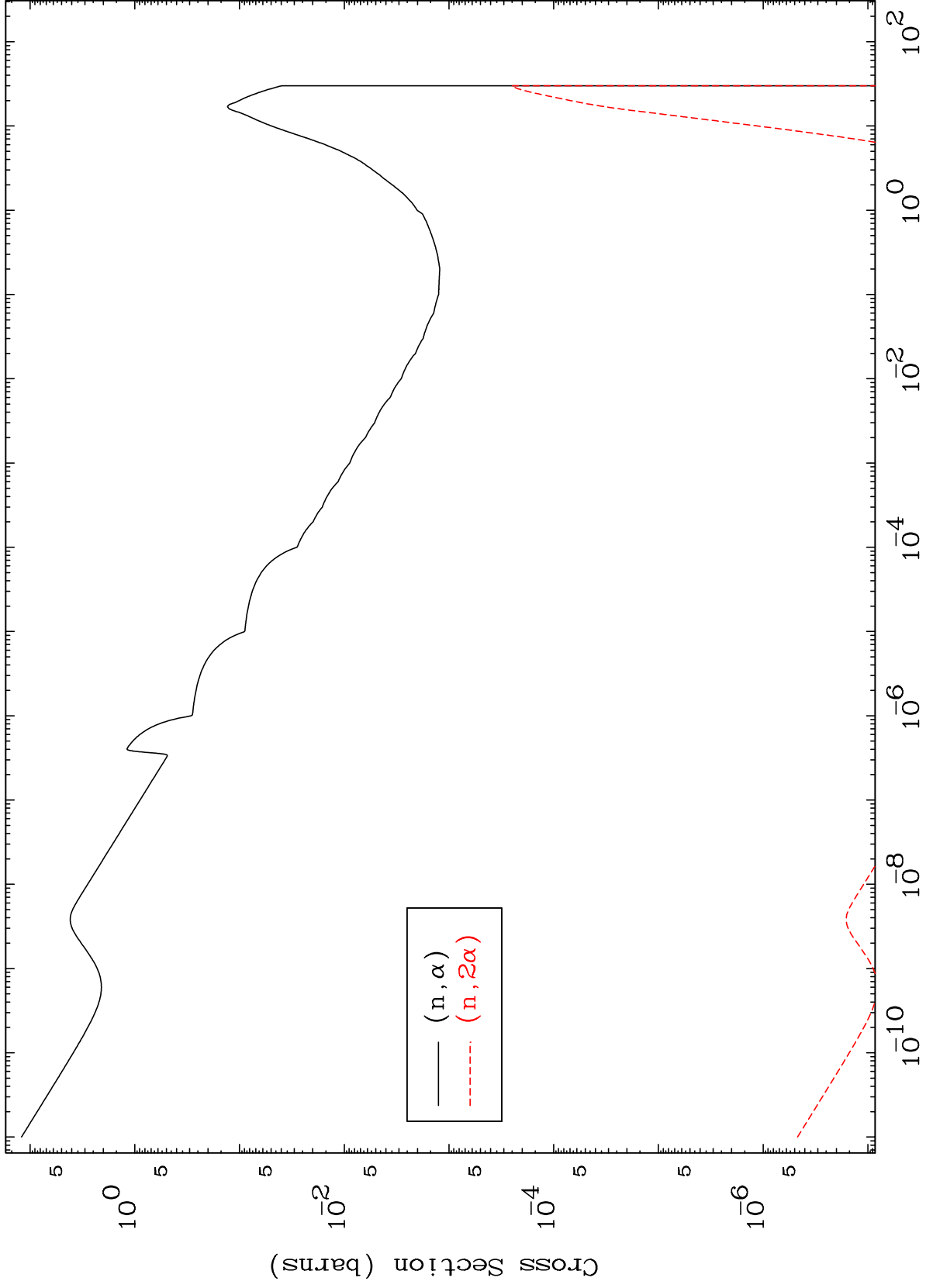




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(n, α) Levels
293 Kelvin Cross Sections

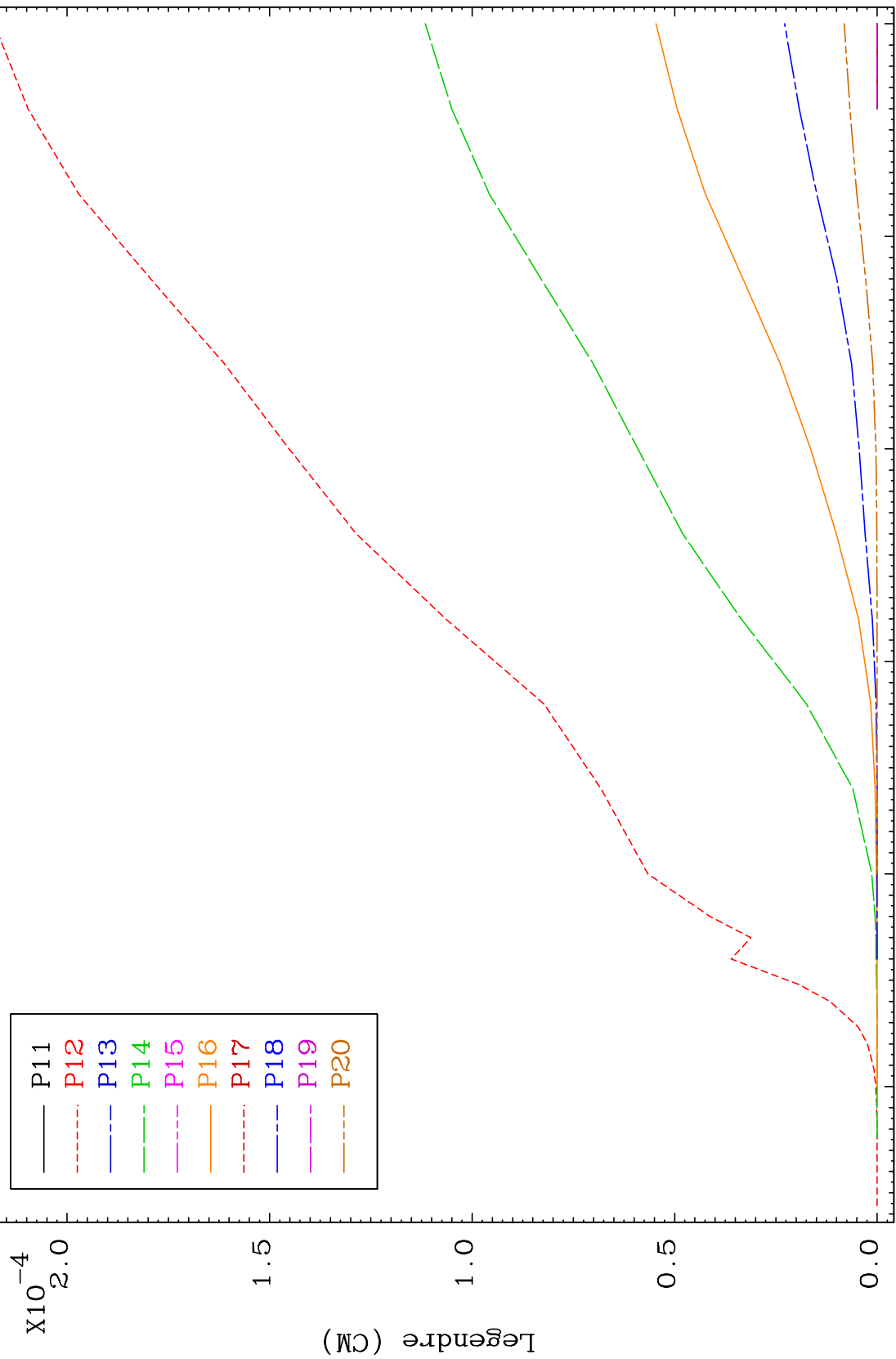
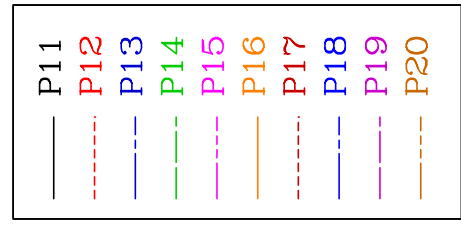
83-Bi-192m



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Elastic Legendre Coefficients

83-Bi-192m



17

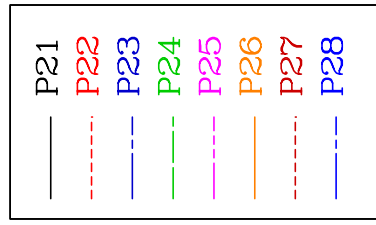
83-Bi-192m

Incident Energy (MeV)

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Elastic Legendre Coefficients

83-Bi-192m



$\times 10^{-6}$
Legendre (CM)



18

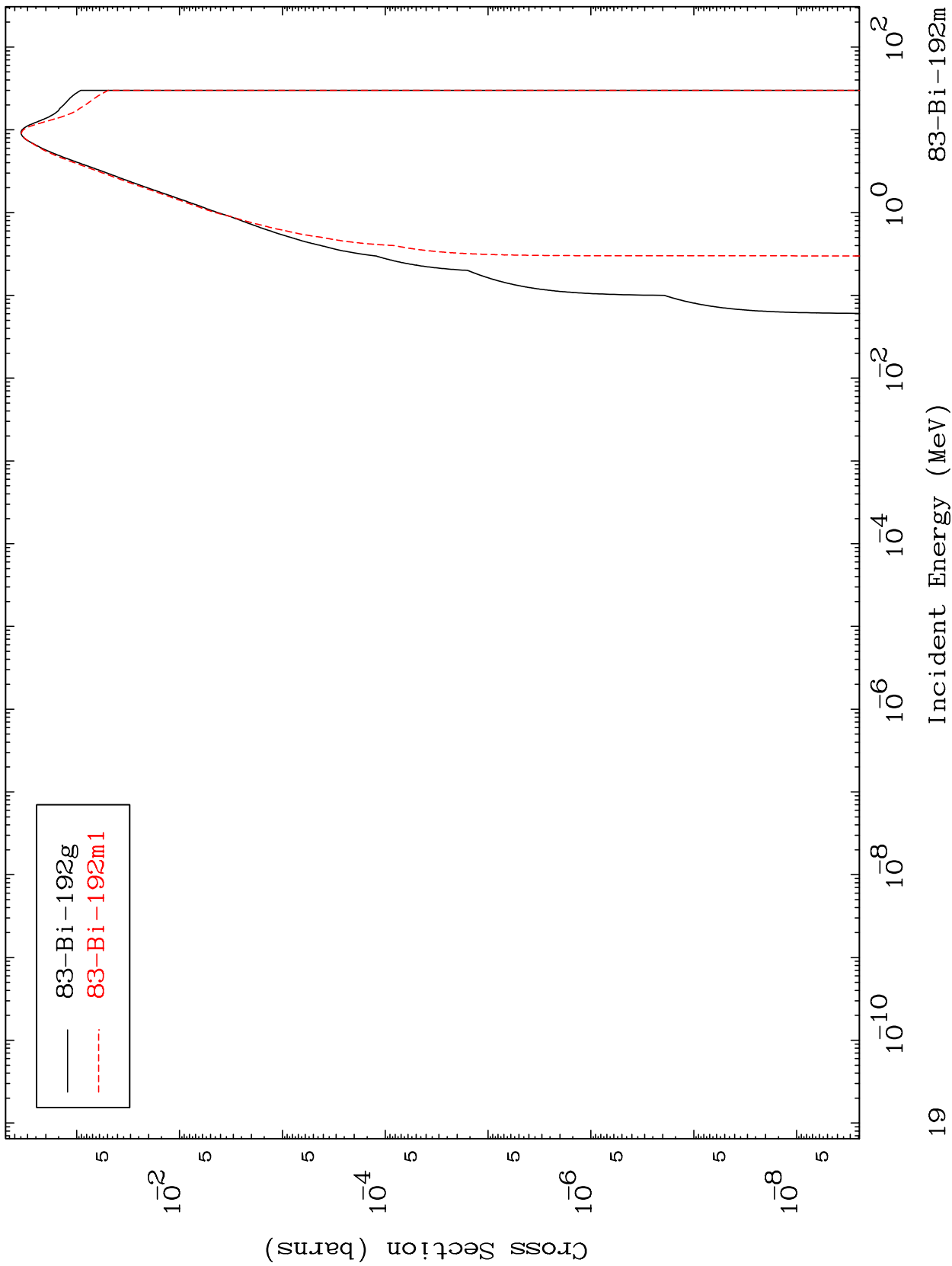
Incident Energy (MeV)

83-Bi-192m

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Inelastic
Radionuclide Production Cross Section

⁸³Bi-192m

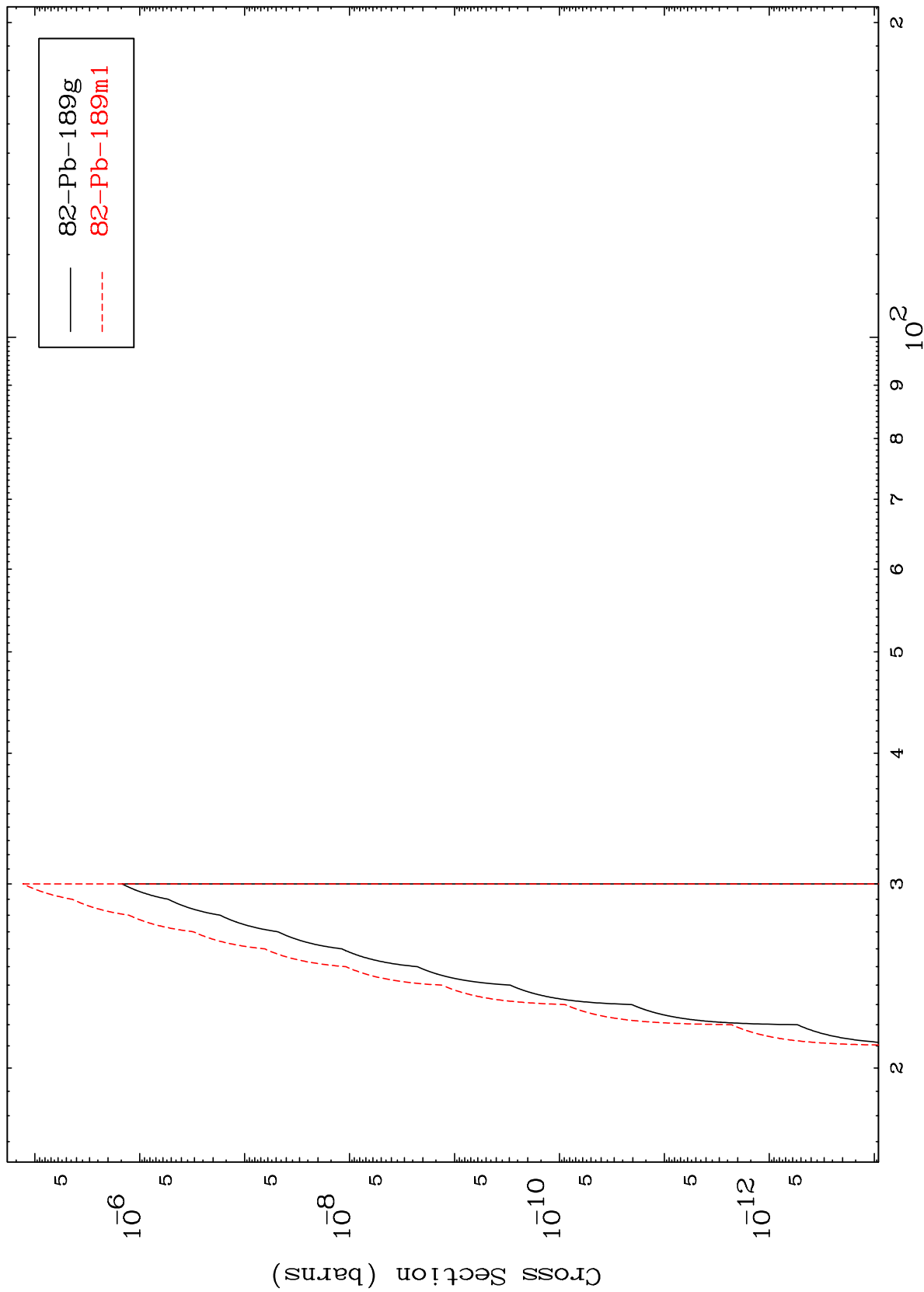


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(n,2n) d

83-Bi-192m

Radionuclide Production Cross Section



20

Incident Energy (MeV)

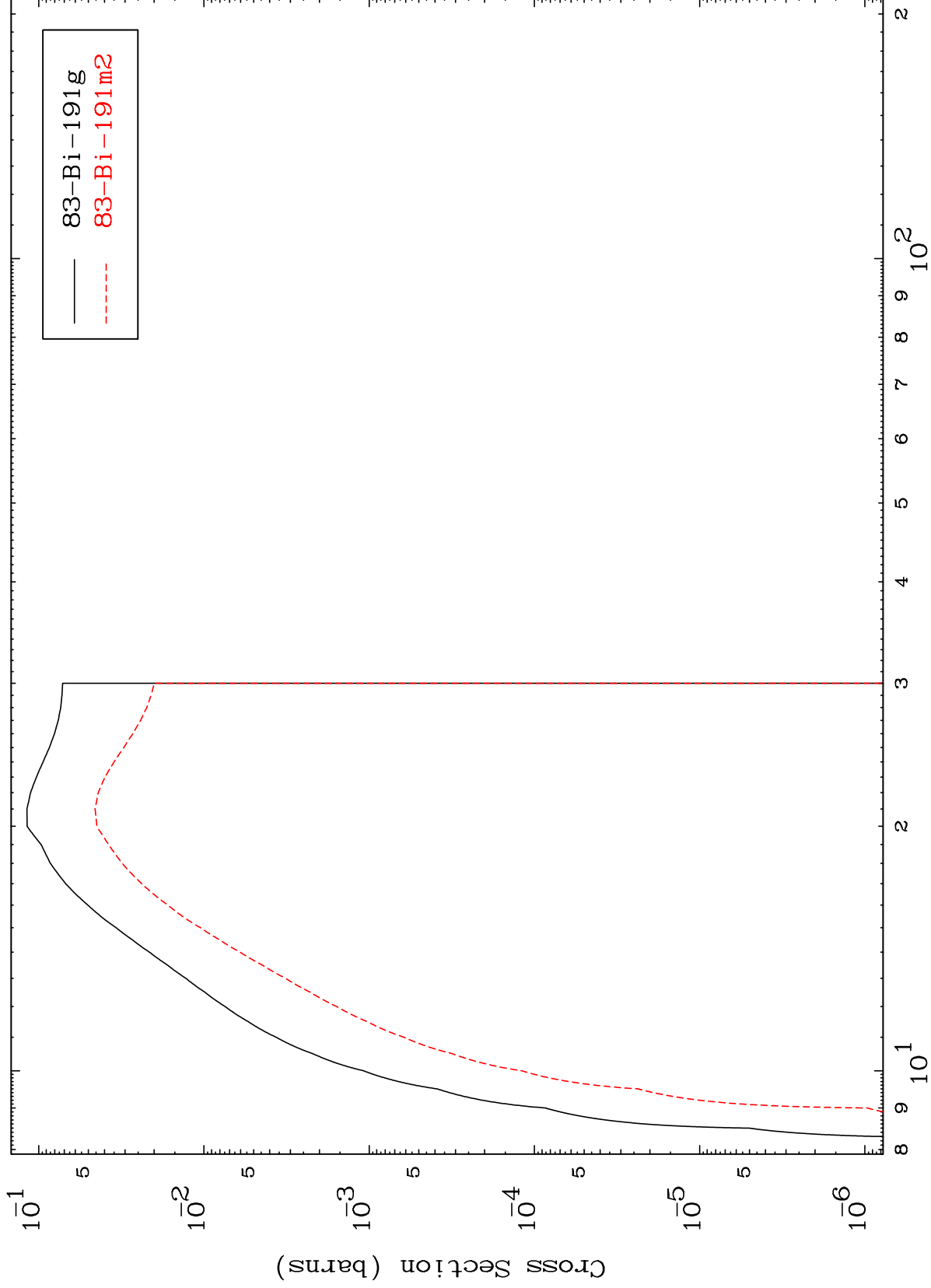
83-Bi-192m

MAT 8275

(n,2n)

83-Bi-192m

Radionuclide Production Cross Section



21

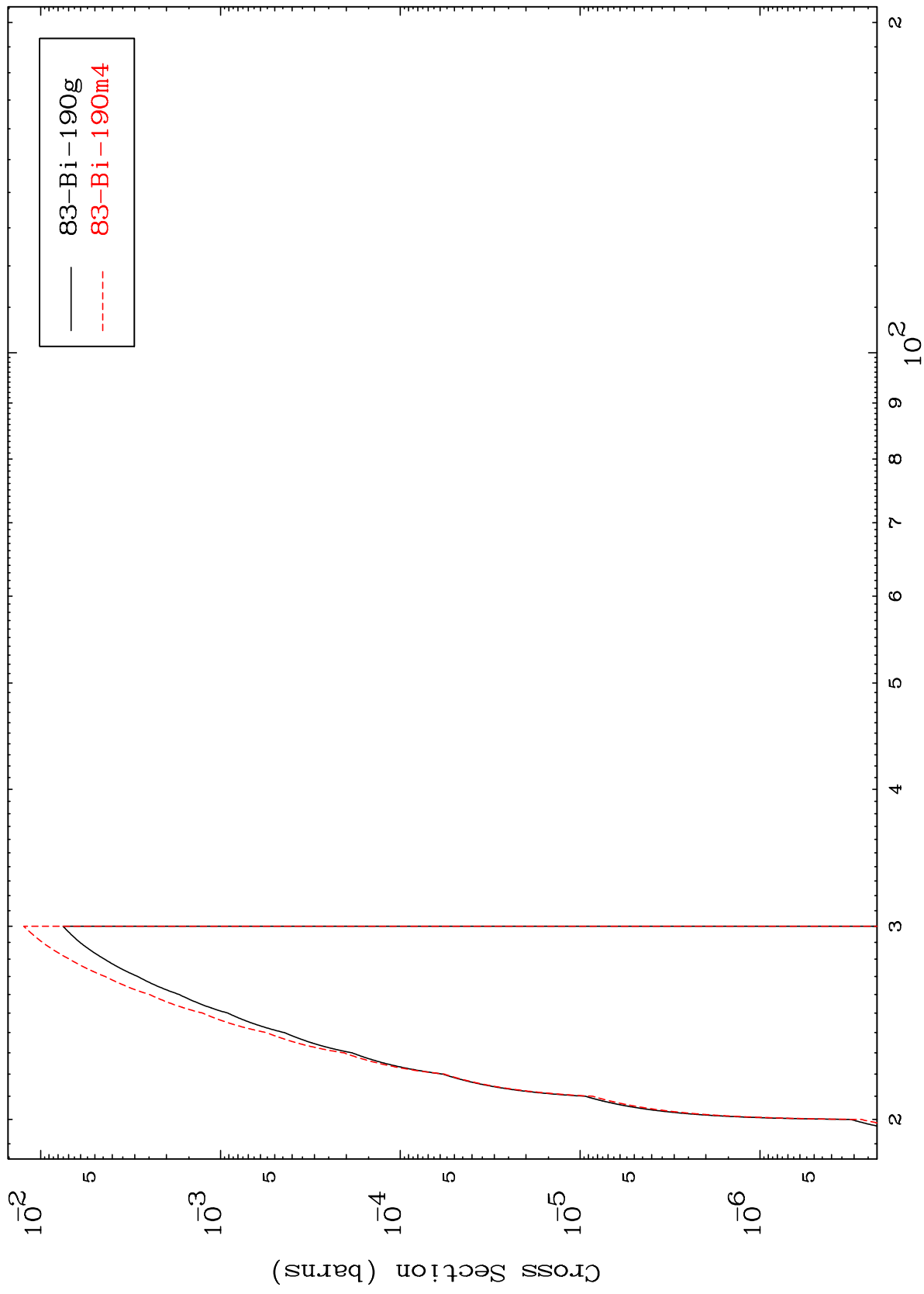
Incident Energy (MeV)

83-Bi-192m

MAT 8275

83-Bi-192m

(n,3n)
Radionuclide Production Cross Section



83-Bi-192m

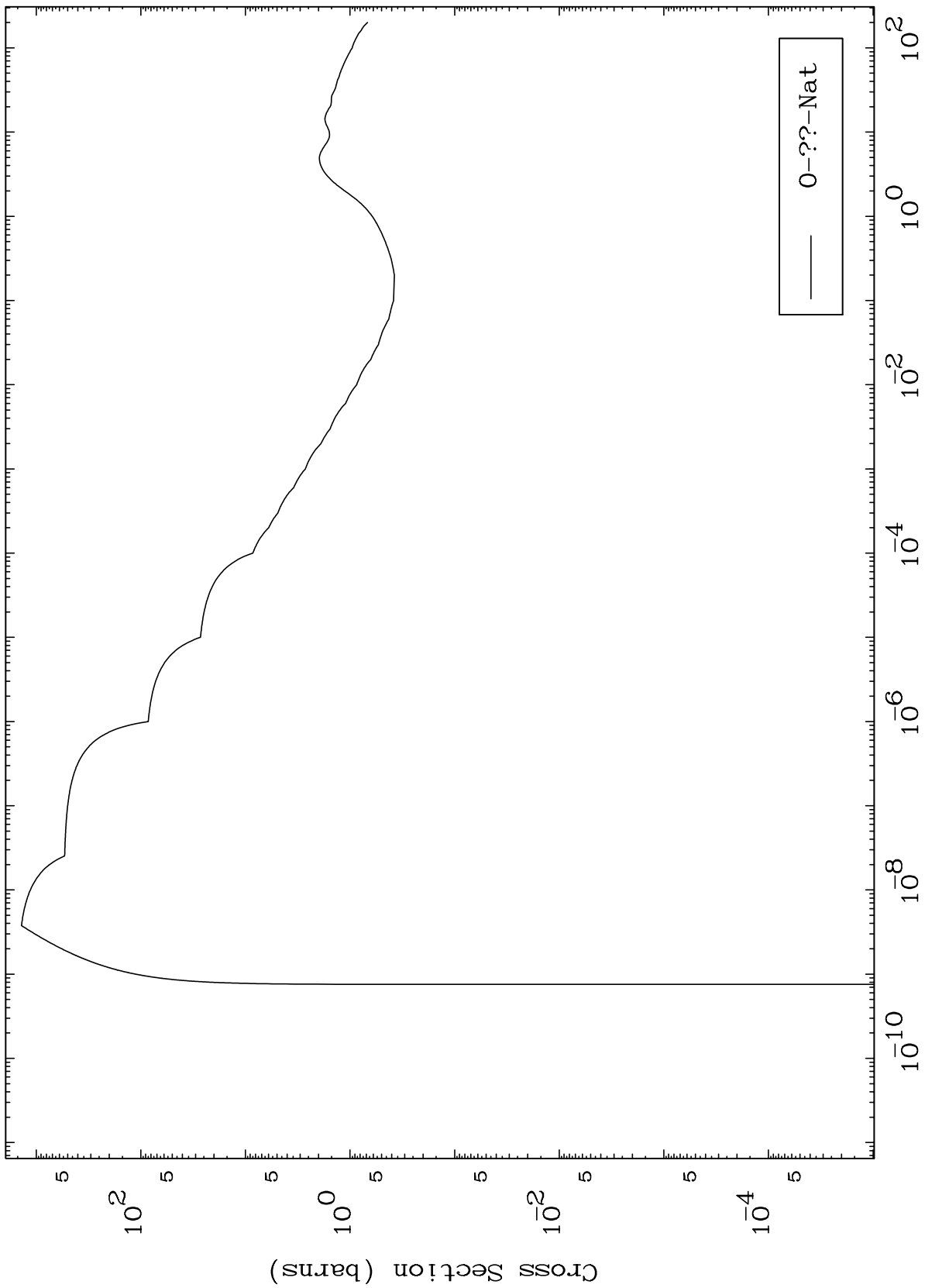
Incident Energy (MeV)

22

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83-Bi-192m

Fission
Radionuclide Production Cross Section

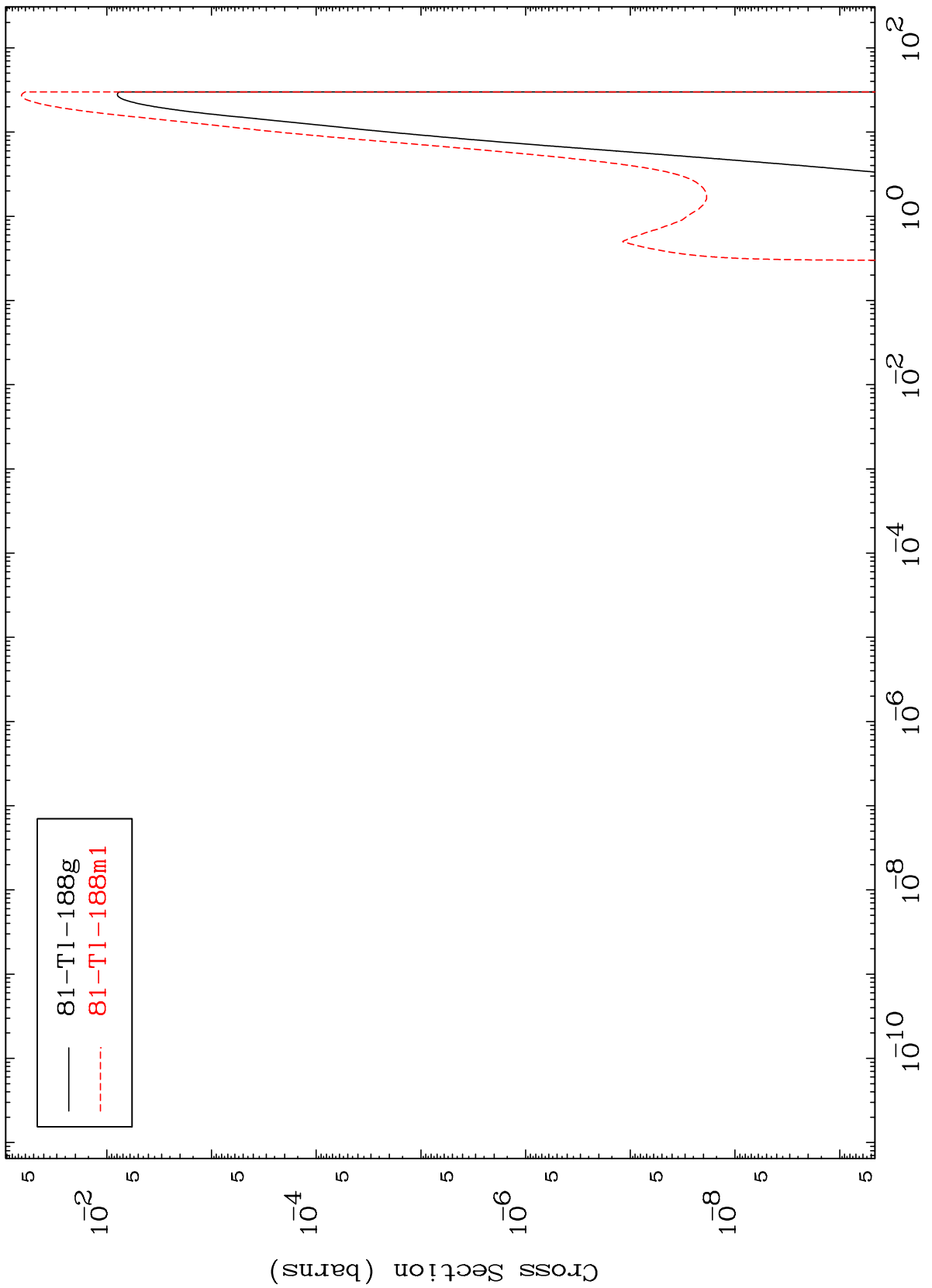


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$(n, n') \alpha$

83-Bi-192m

Radionuclide Production Cross Section

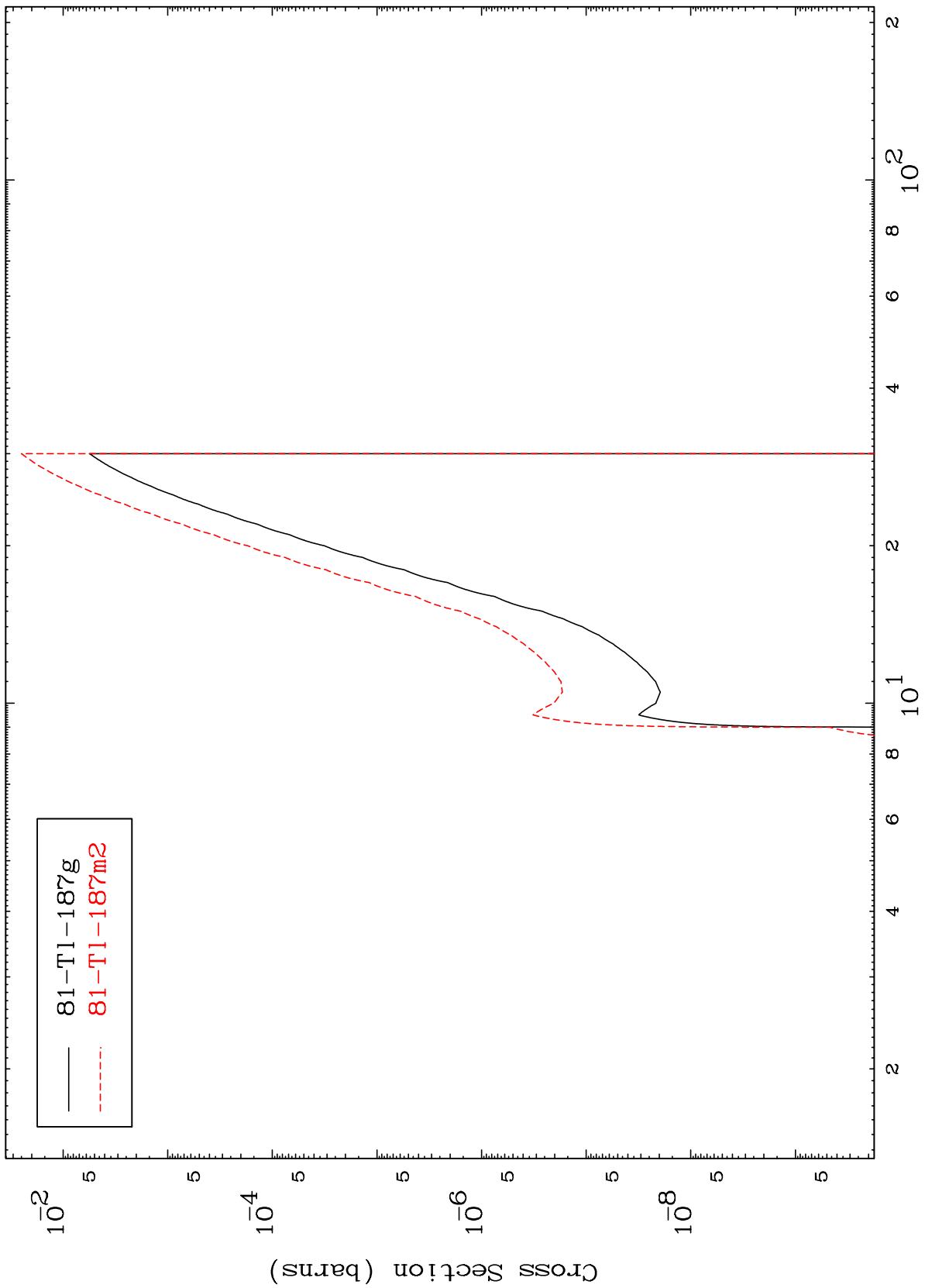


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(n,2n) α

83-Bi-192m

Radionuclide Production Cross Section



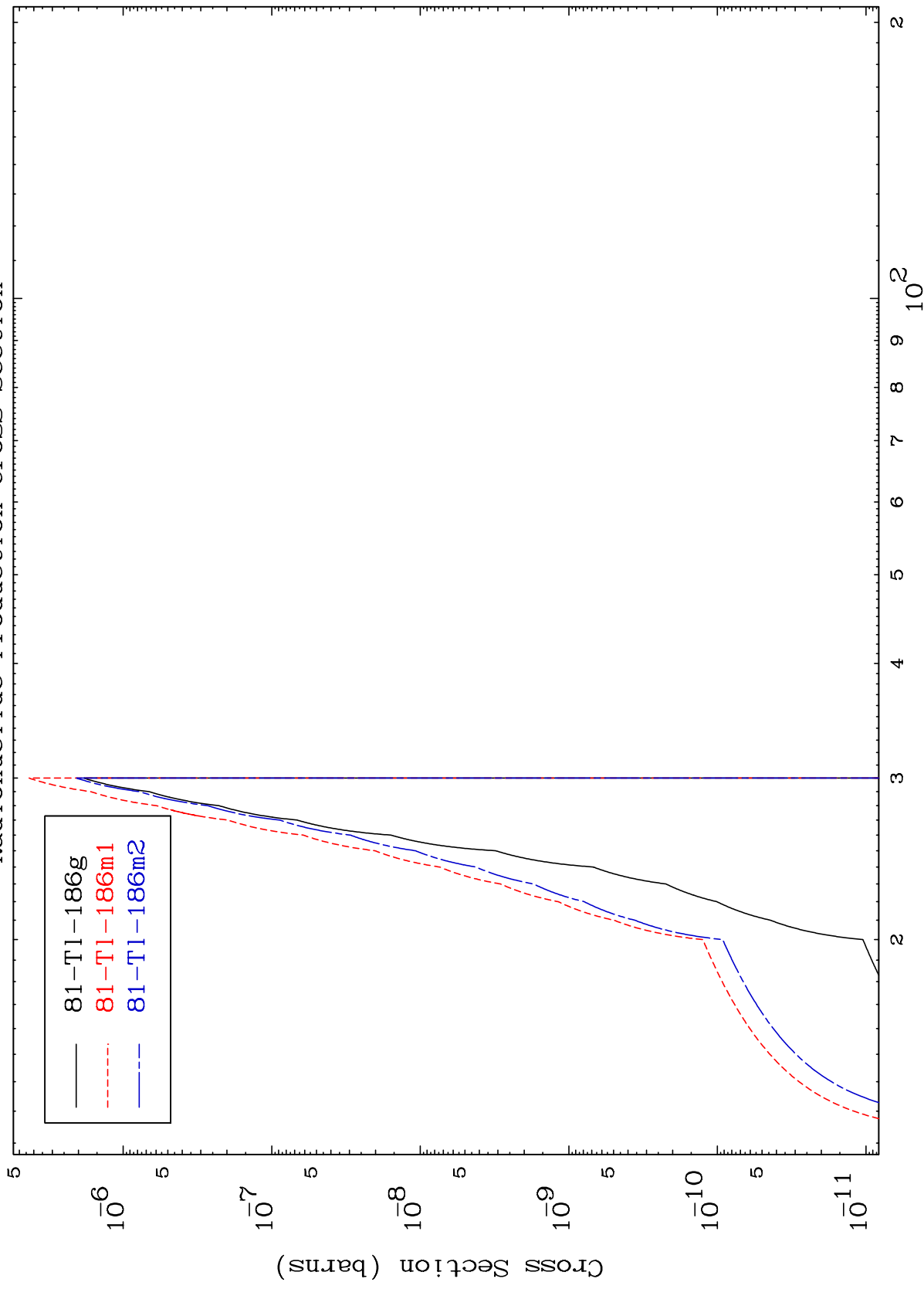
— 81-Tl-187g
- - - 81-Tl-187m2

MAT 8275

(n,3n) α

83-Bi-192m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

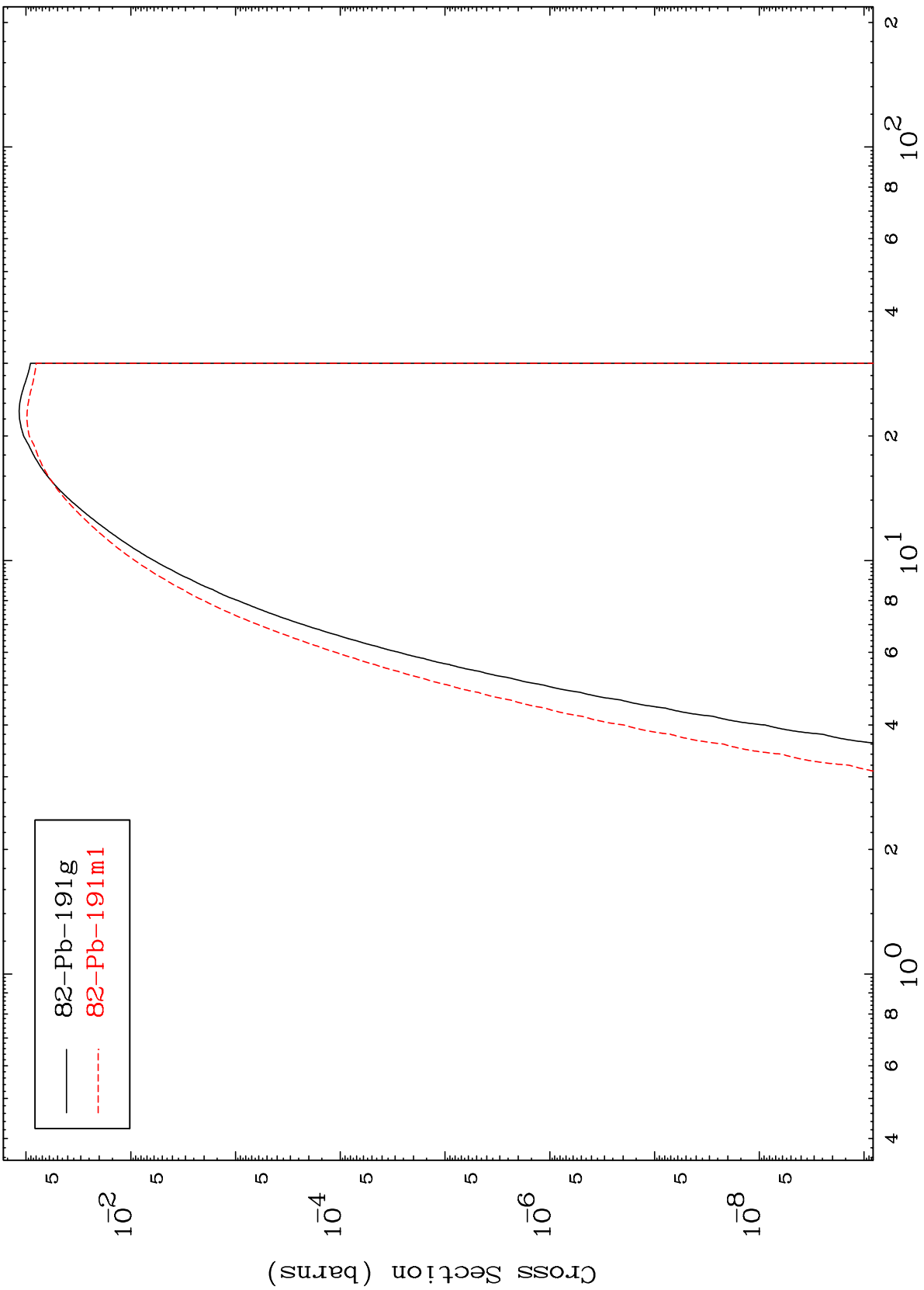
83-Bi-192m

MAT 8275

(n,n') p

83-Bi-192m

Radionuclide Production Cross Section



Legend:
— 82-Pb-191g
- - - 82-Pb-191m1

27

Incident Energy (MeV)

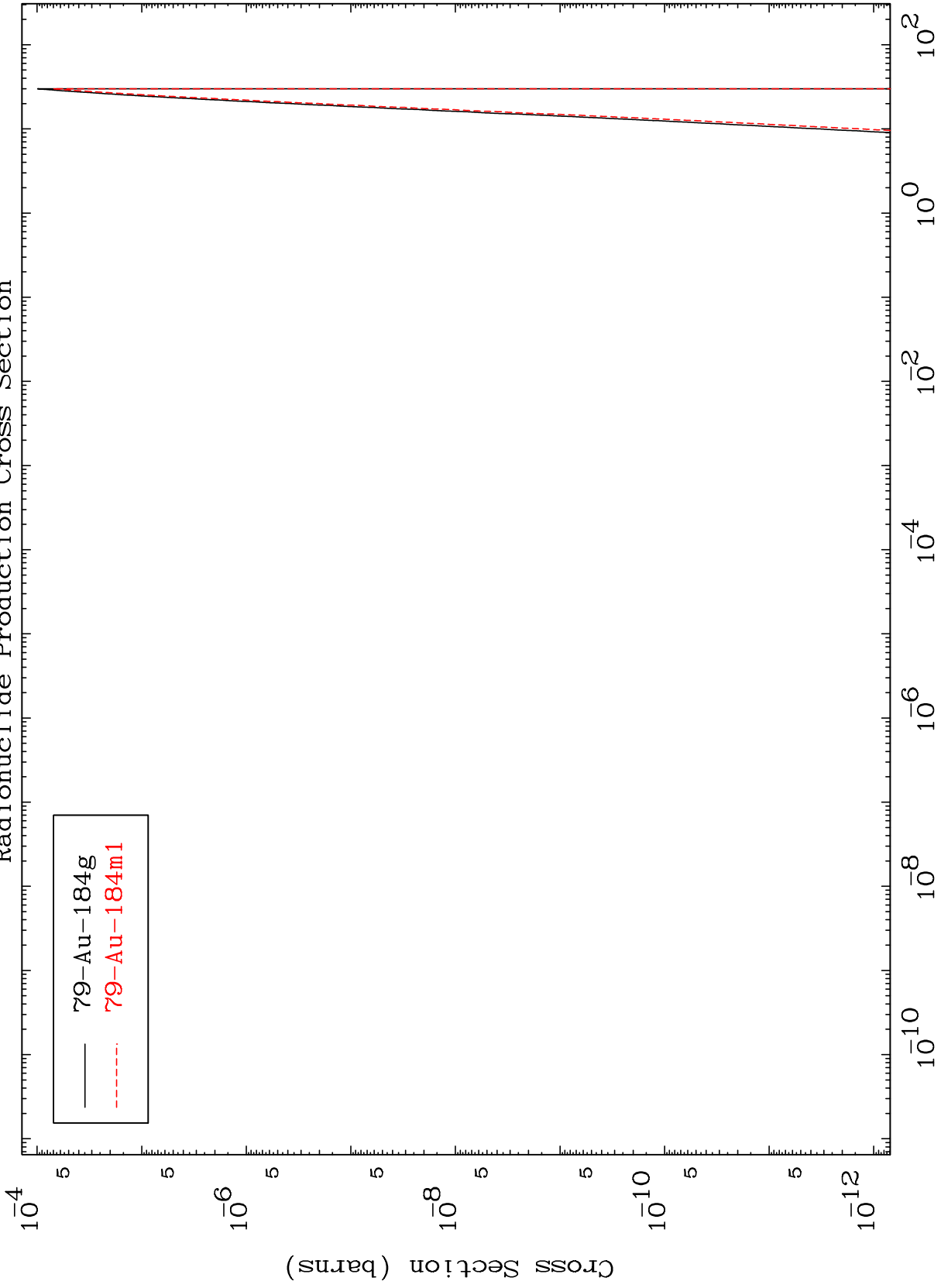
83-Bi-192m

MAT 8275

(n,n') 2α

83-Bi-192m

Radionuclide Production Cross Section



28

Incident Energy (MeV)

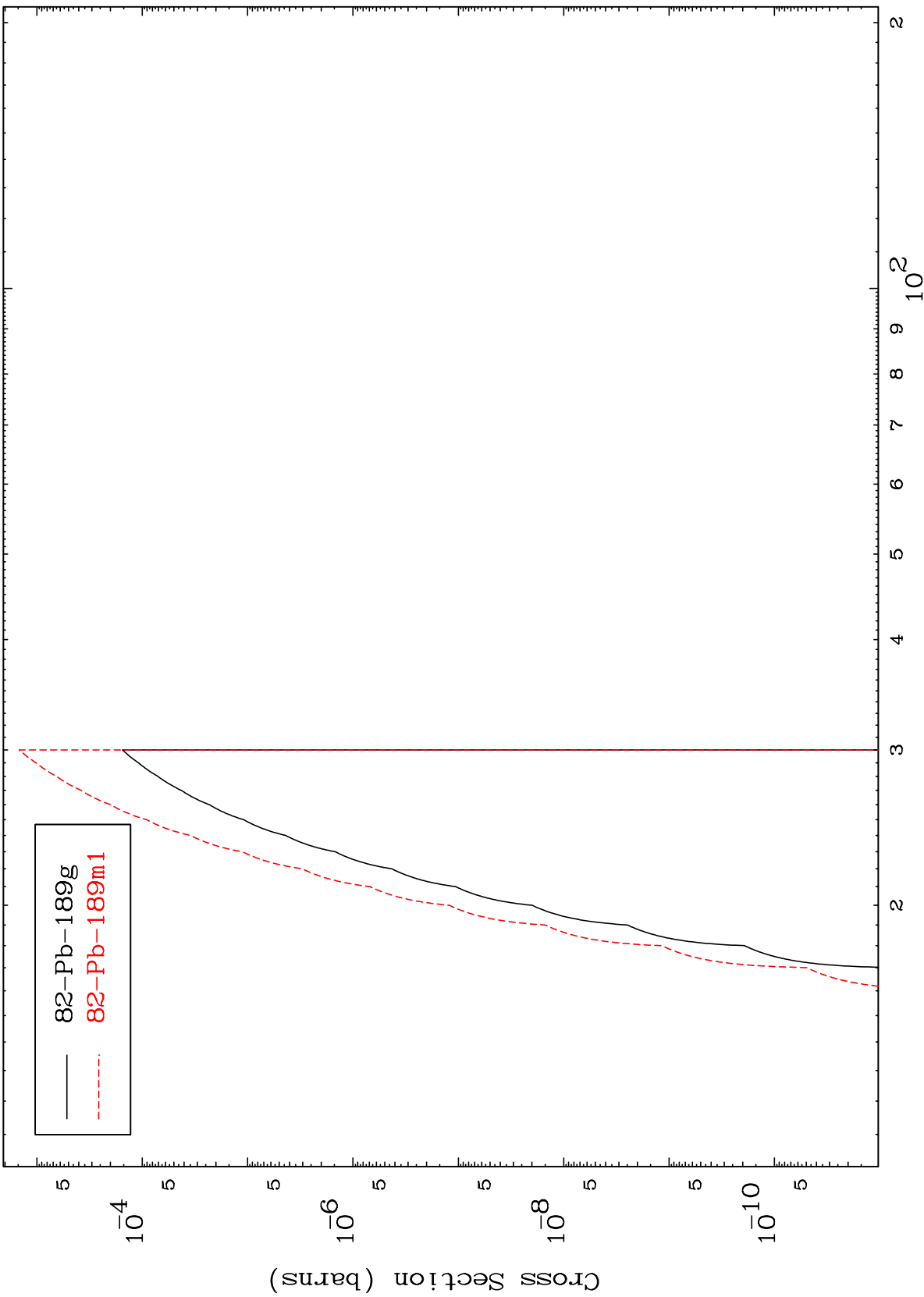
83-Bi-192m

MAT 8275

(n,n') t

83-Bi-192m

Radionuclide Production Cross Section



Incident Energy (MeV)

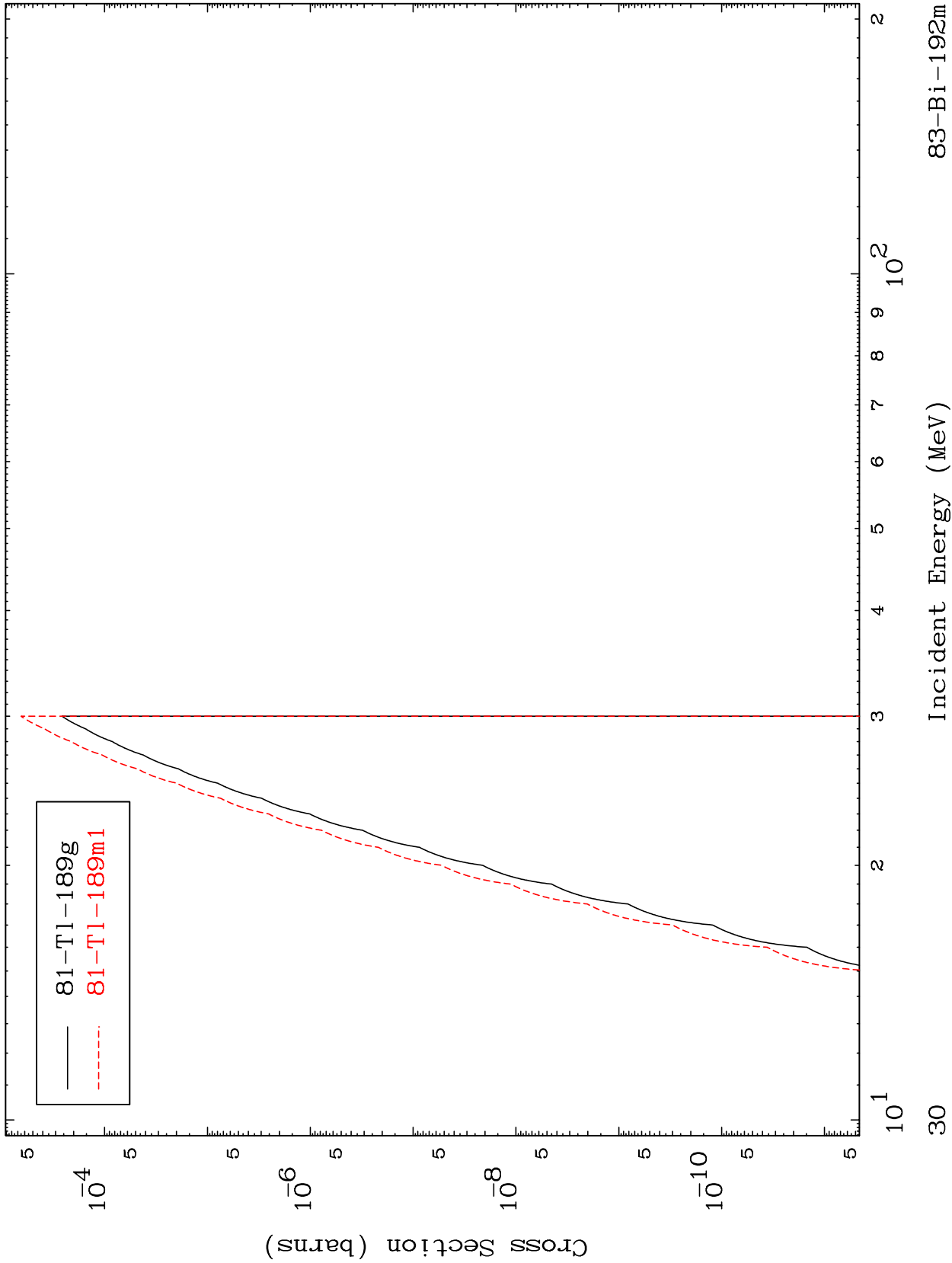
83-Bi-192m

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(n,n') He-3

83-Bi-192m

Radionuclide Production Cross Section



Incident Energy (MeV)

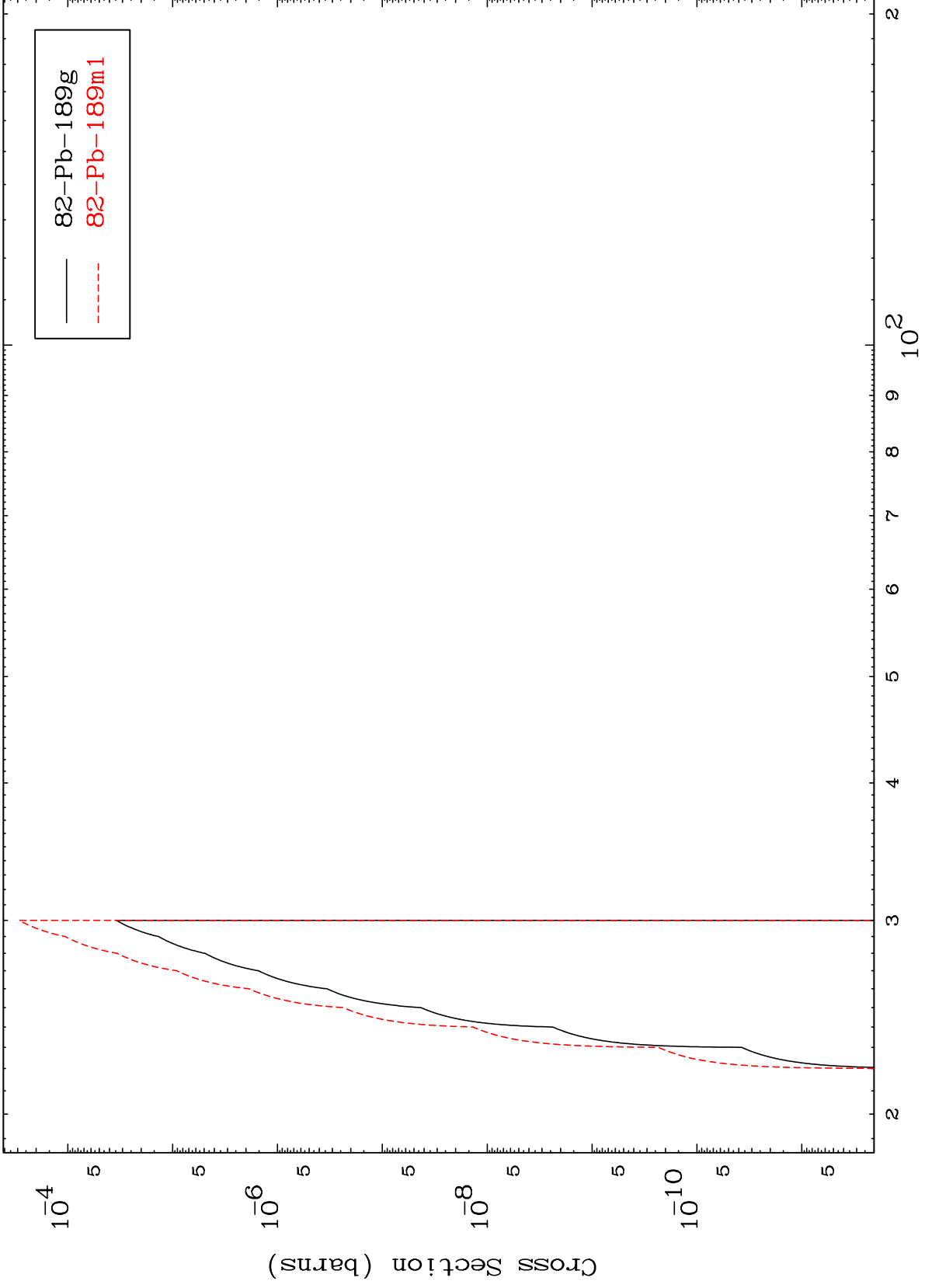
83-Bi-192m

MAT 8275

(n,3n) p

83-Bi-192m

Radionuclide Production Cross Section



31

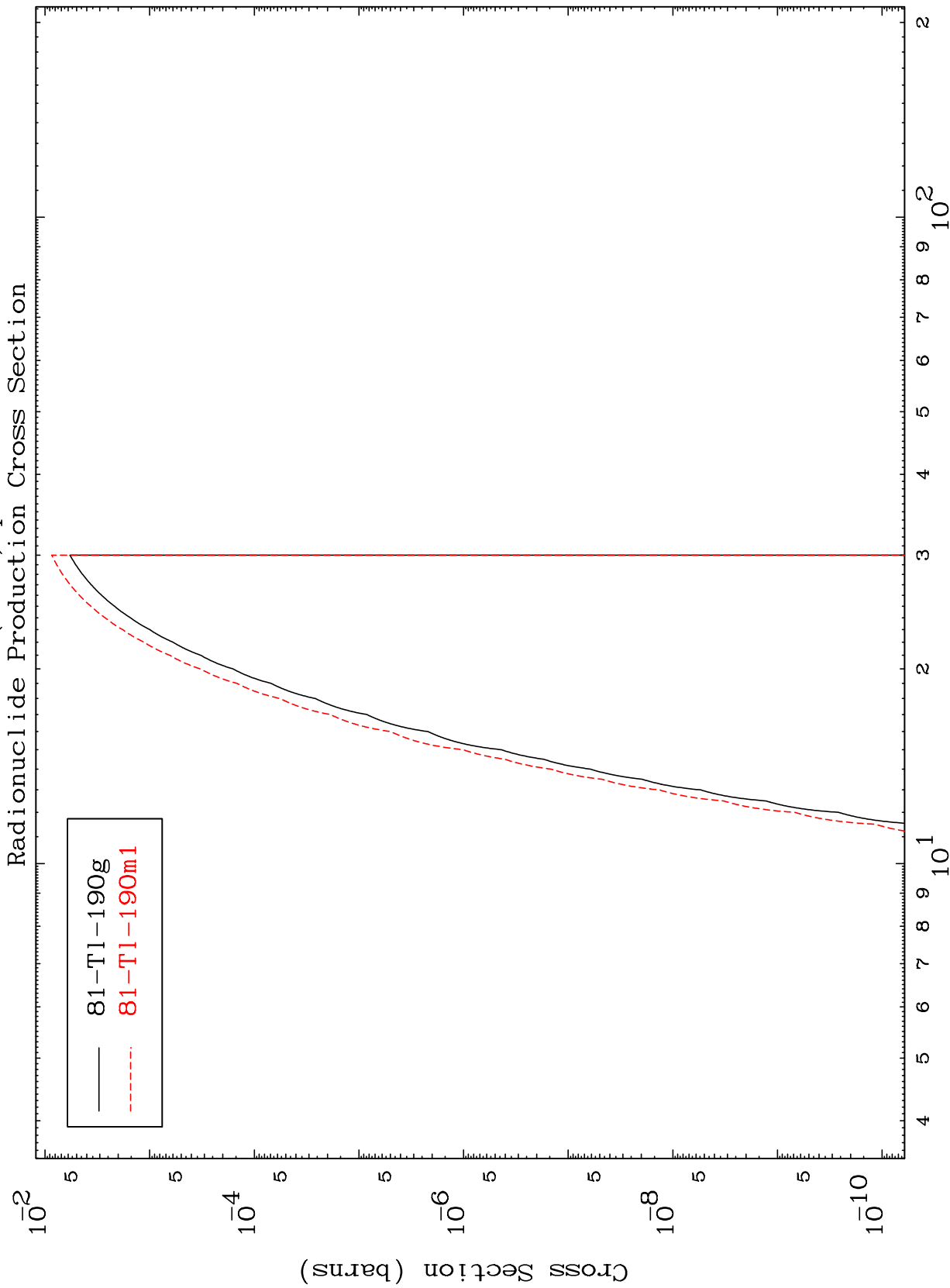
Incident Energy (MeV)

83-Bi-192m

MAT 8275

(n,2n) p

83-Bi-192m



32

Incident Energy (MeV)

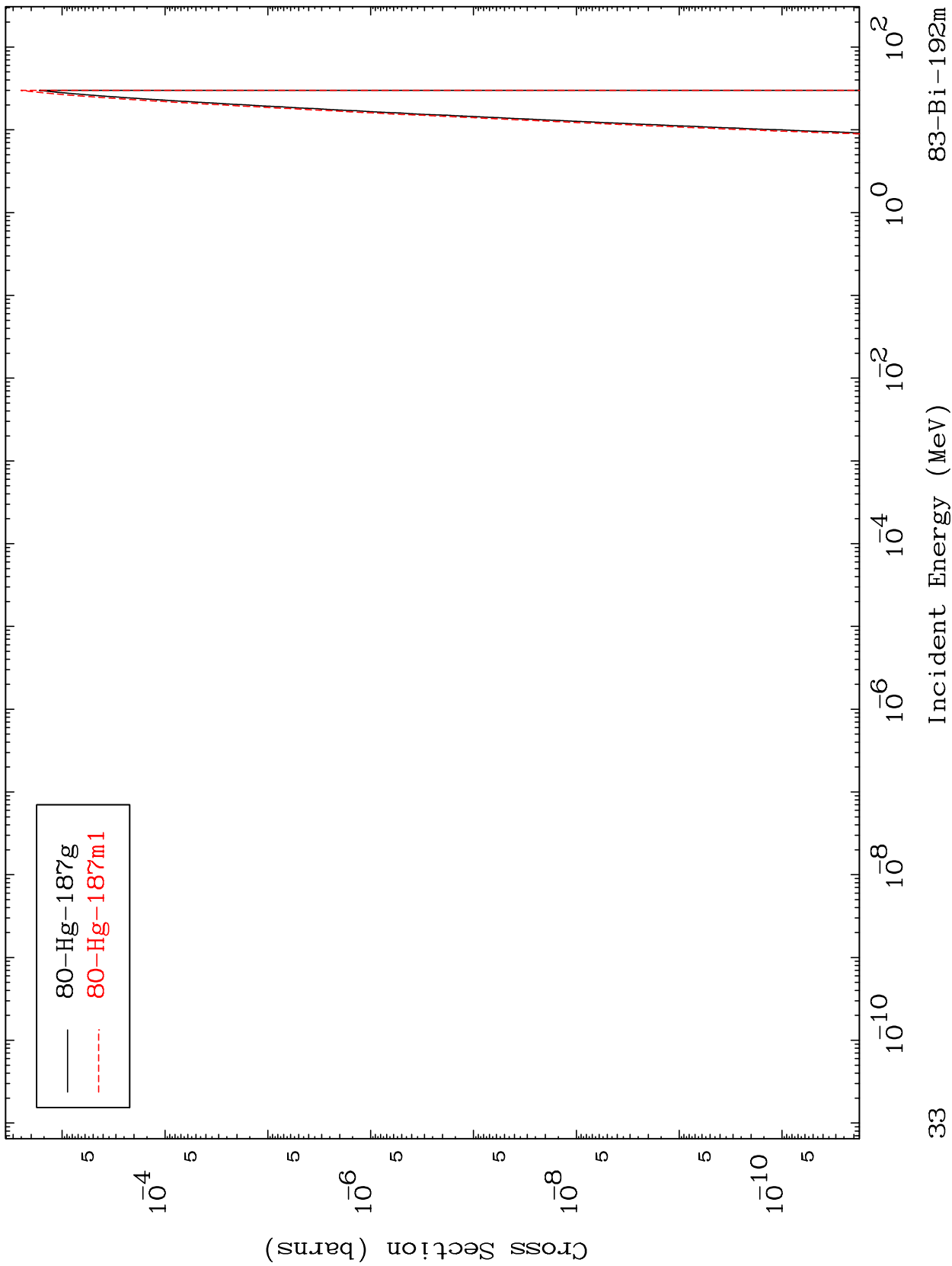
83-Bi-192m

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(n,n') p α

83-Bi-192m

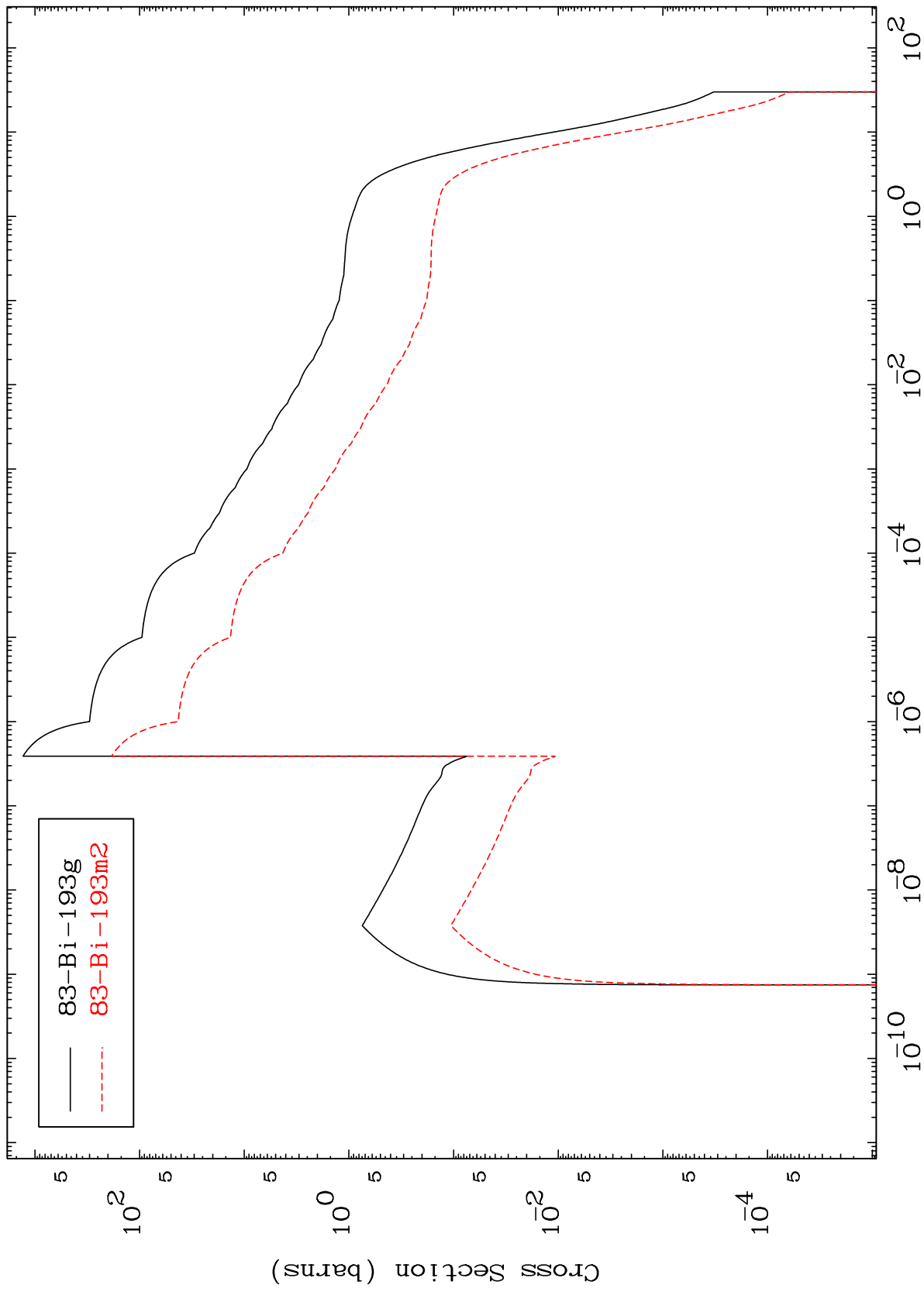
Radionuclide Production Cross Section



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83-Bi-192m

Radionuclide Production Cross Section



83-Bi-192m

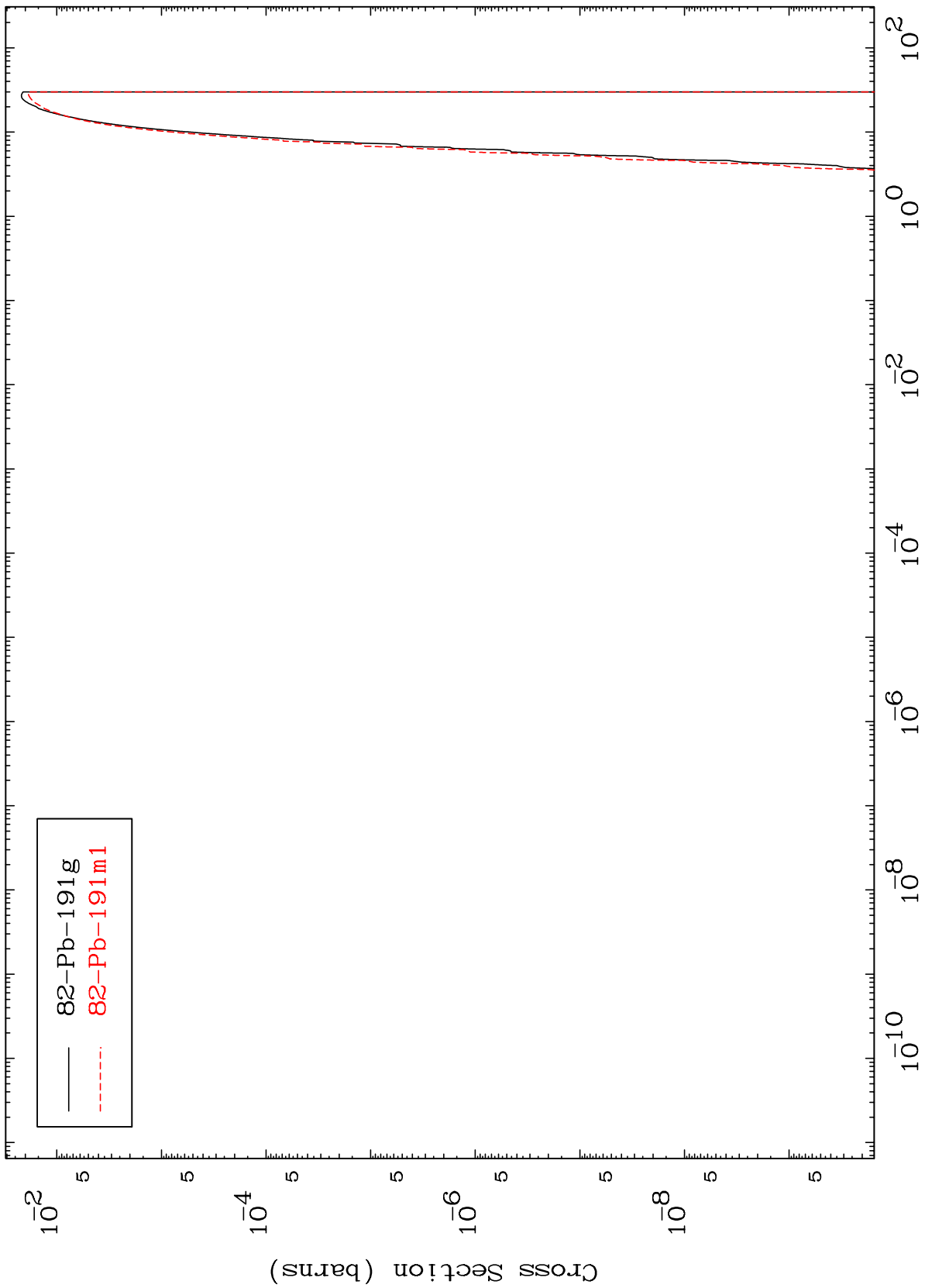
Incident Energy (MeV)

MAT 8275

(n,d)

83-Bi-192m

Radionuclide Production Cross Section

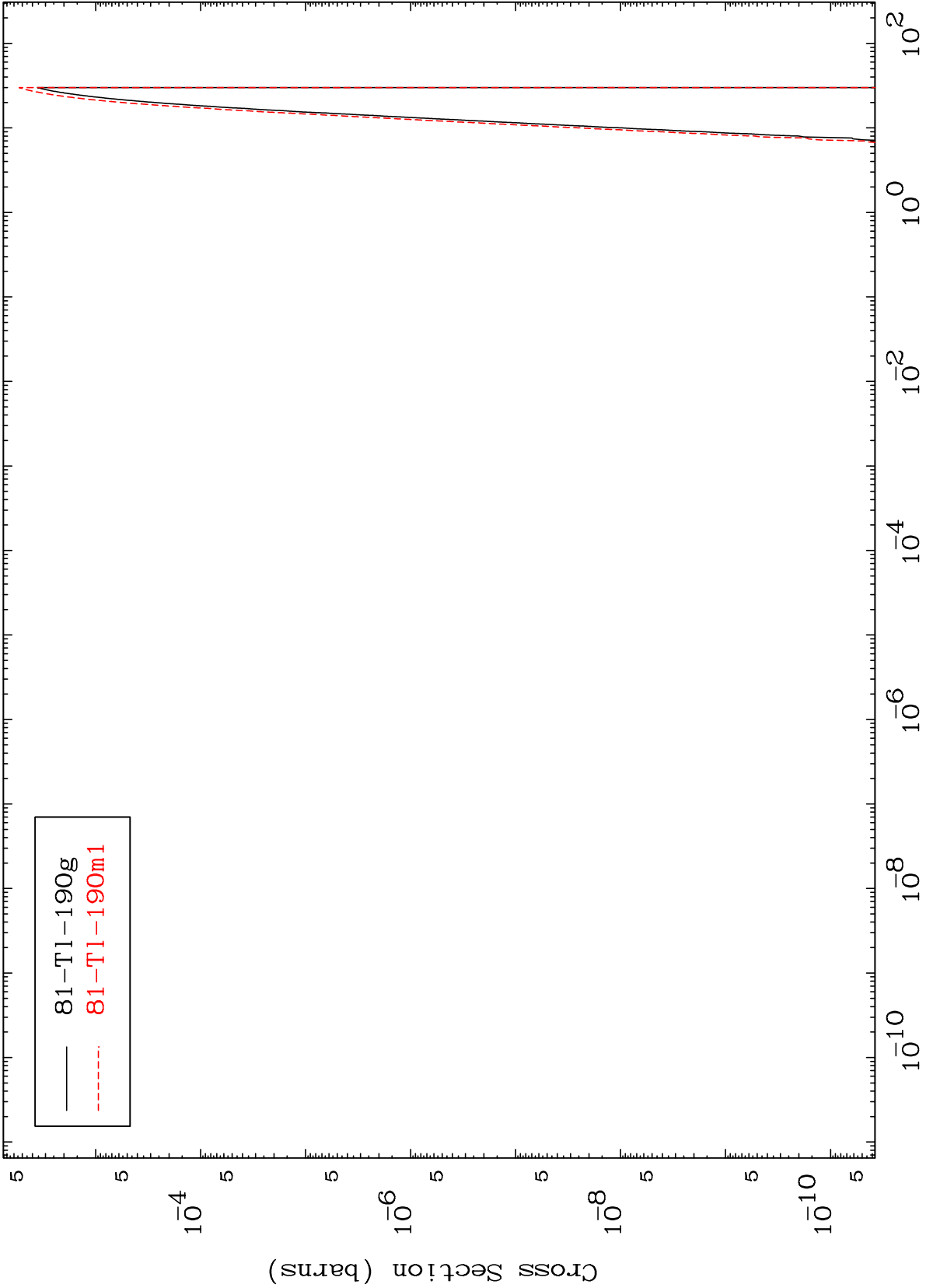


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(n,He-3)

83-Bi-192m

Radionuclide Production Cross Section



36

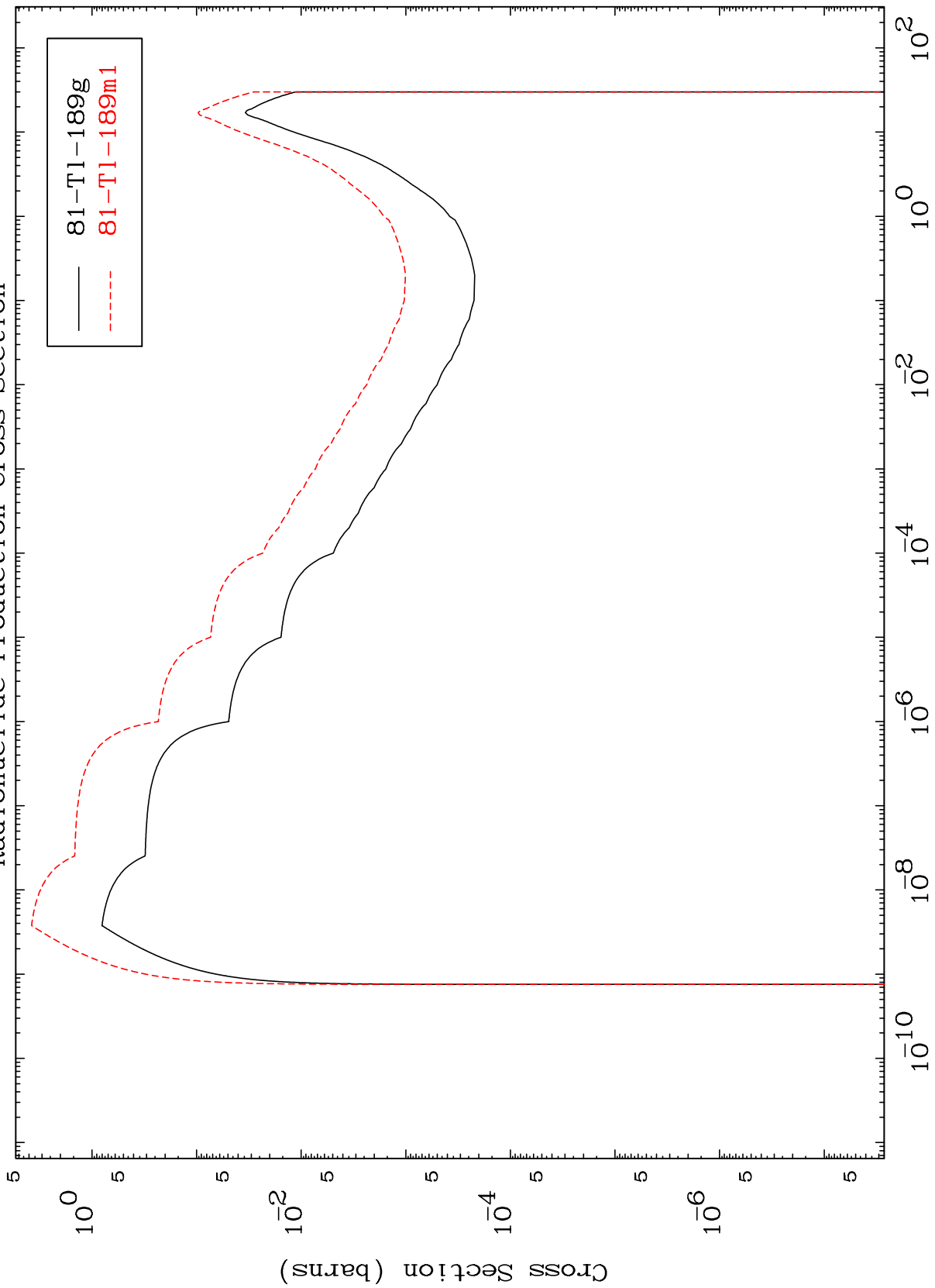
Incident Energy (MeV)

83-Bi-192m

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83-Bi-192m

(n, α)
Radionuclide Production Cross Section

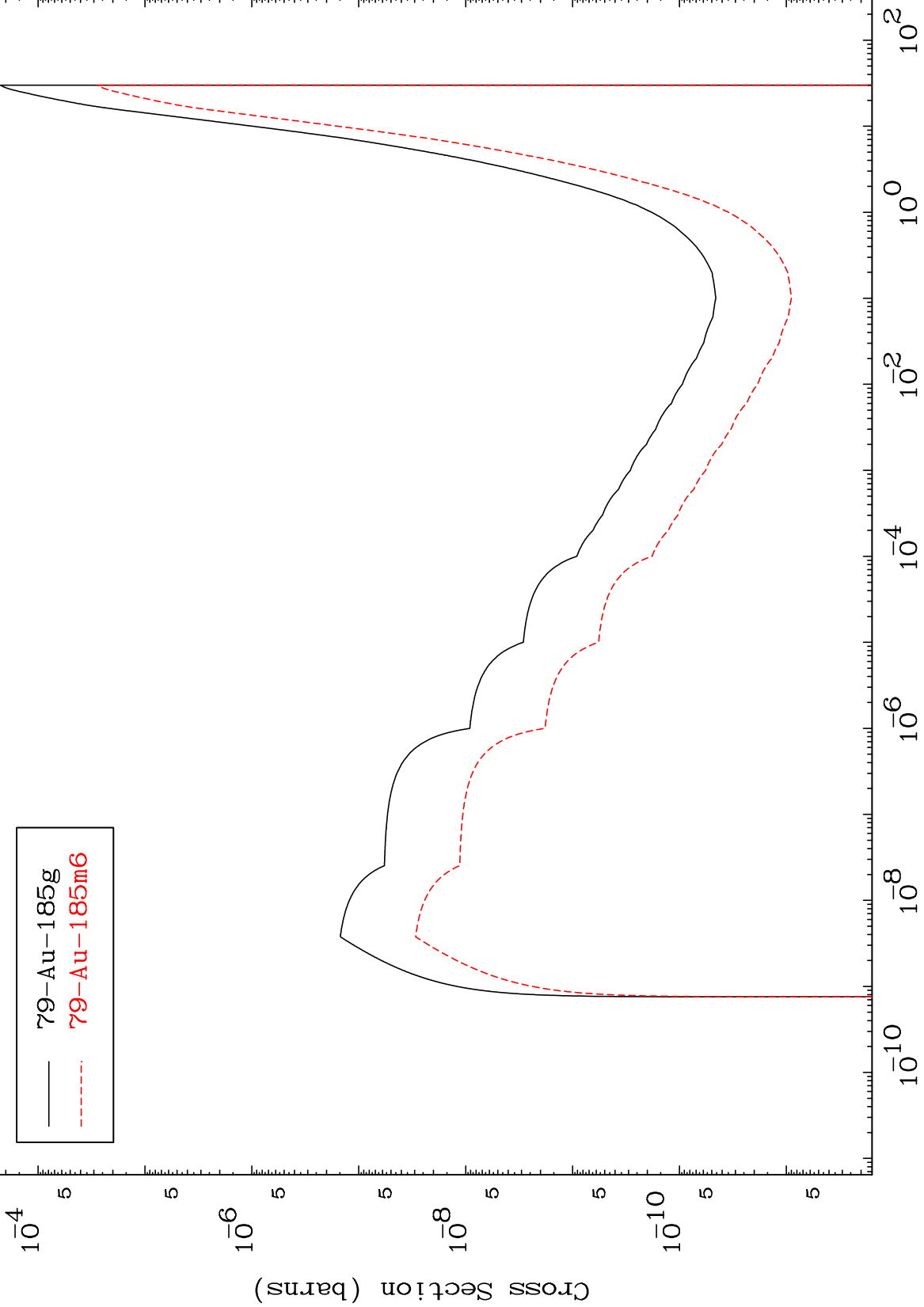


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(n,2α)

83-Bi-192m

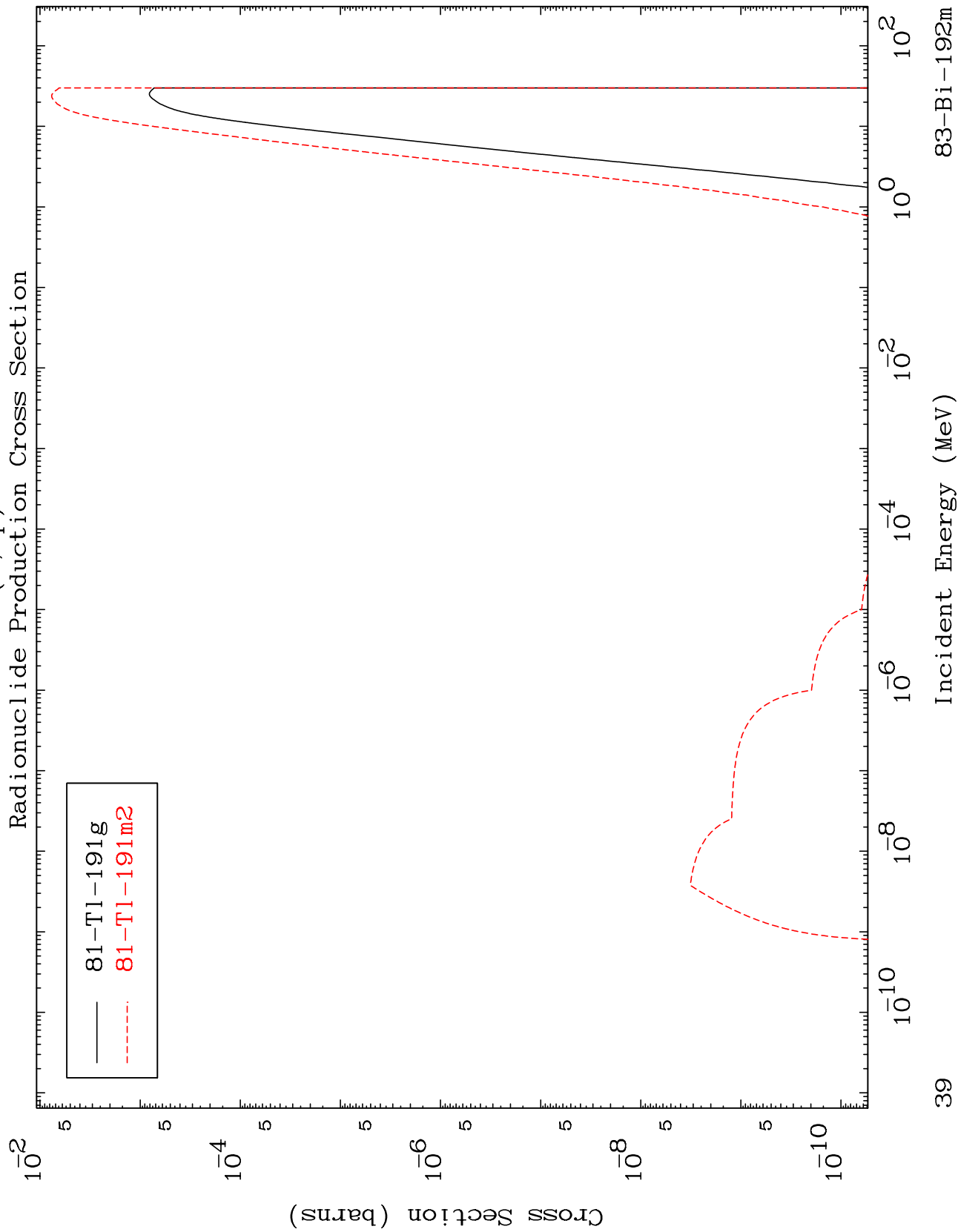
Radionuclide Production Cross Section



MAT 8275

83-Bi-192m

83-Bi-192m

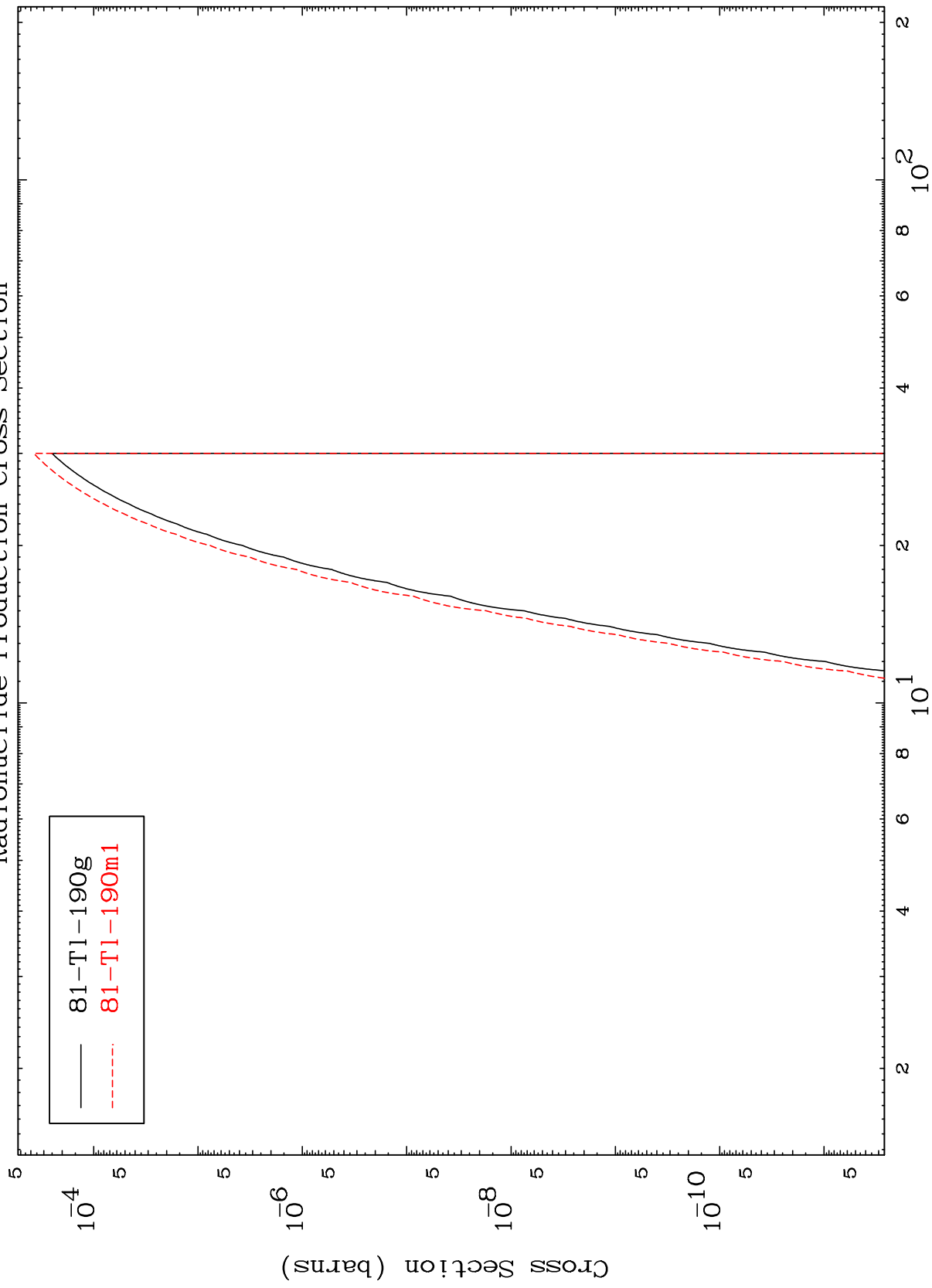


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(n,p) d

83-Bi-192m

Radionuclide Production Cross Section



40

Incident Energy (MeV)

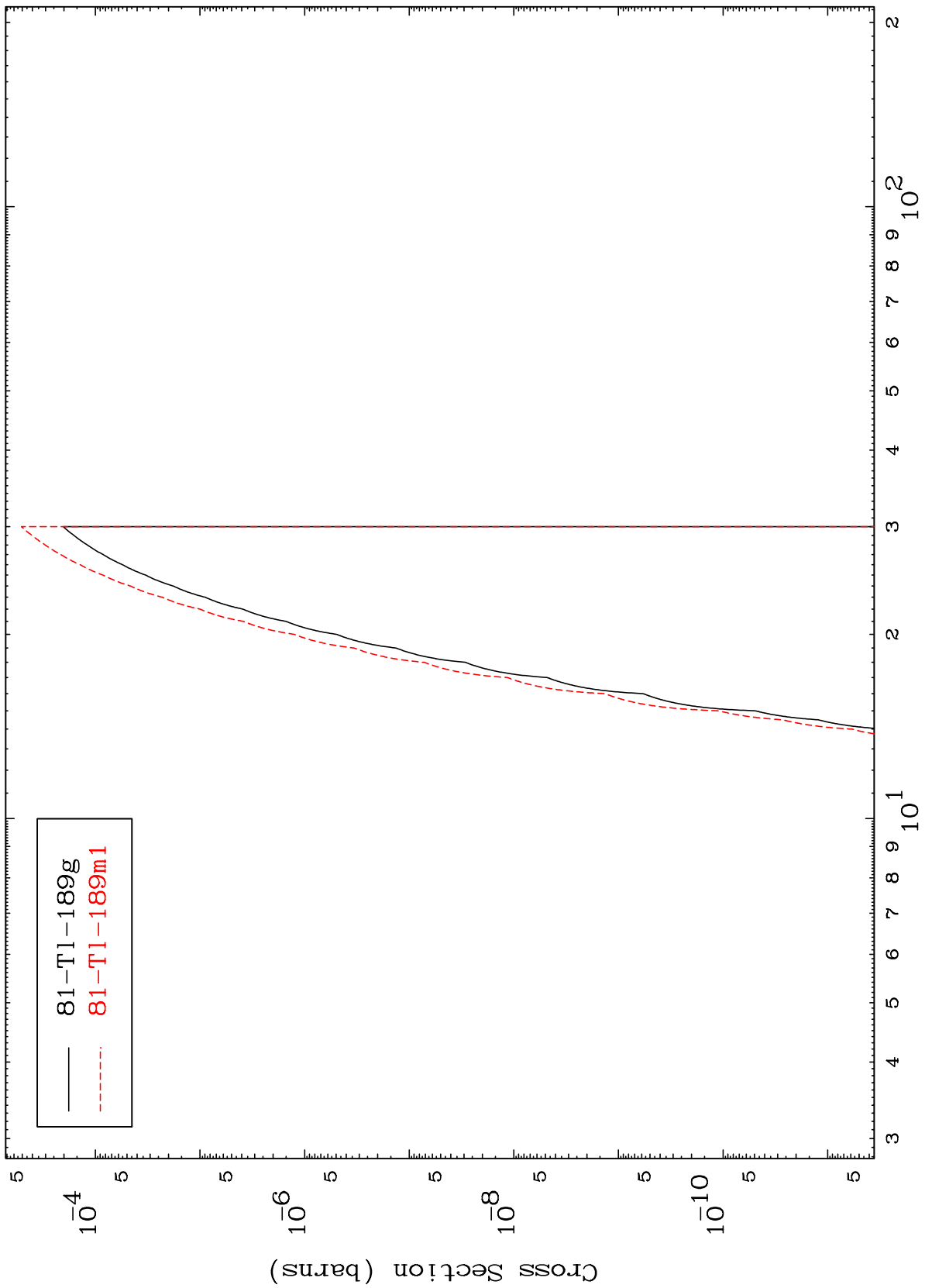
83-Bi-192m

MAT 8275

(n,p) t

83-Bi-192m

Radionuclide Production Cross Section



81-Tl-189g
81-Tl-189m1

Incident Energy (MeV)

83-Bi-192m

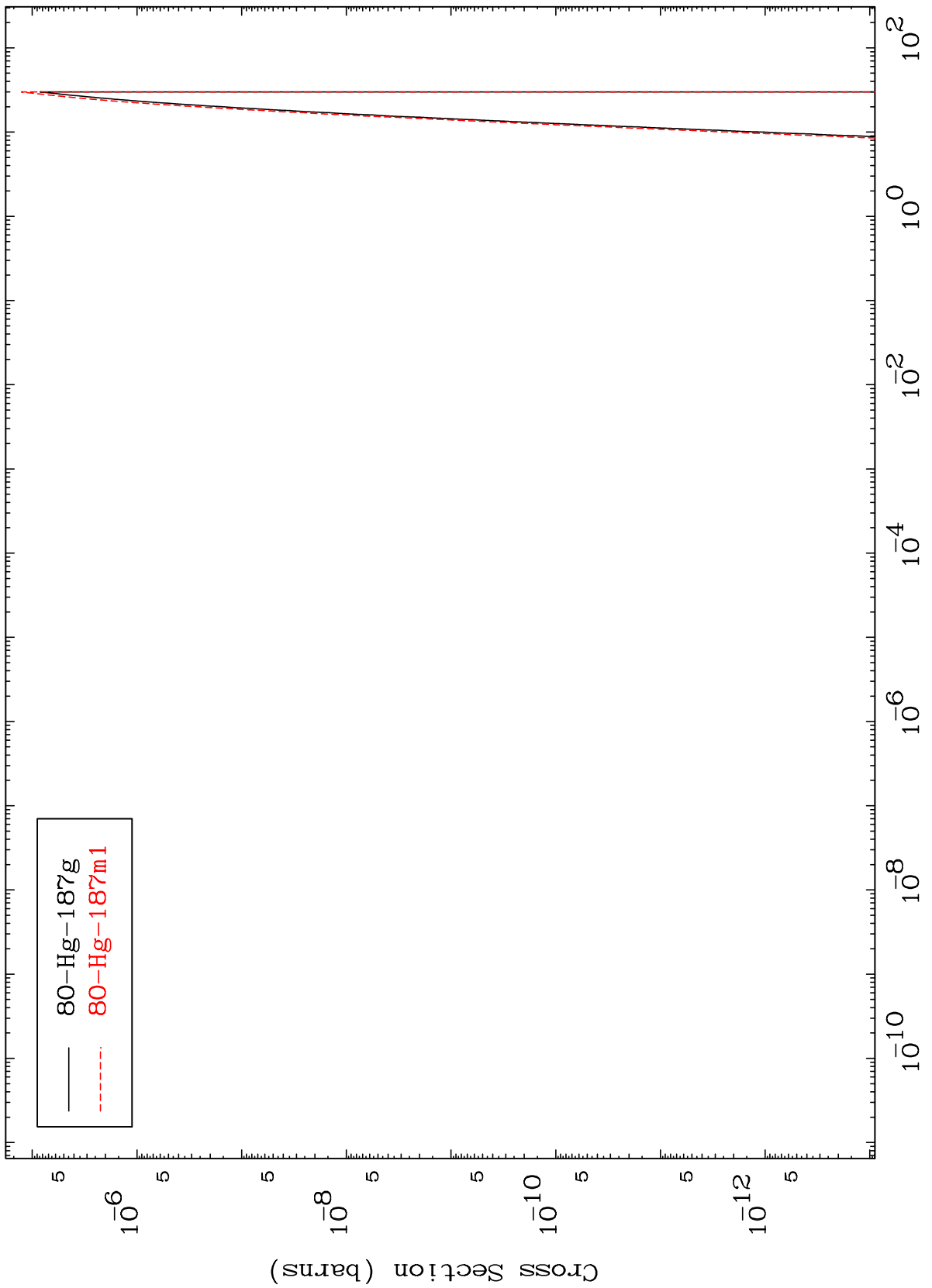
41

MAT 8275

(n,d) α

83-Bi-192m

Radionuclide Production Cross Section



42

Incident Energy (MeV)

83-Bi-192m