

Program EVALPLOT
(Version 2015-2)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

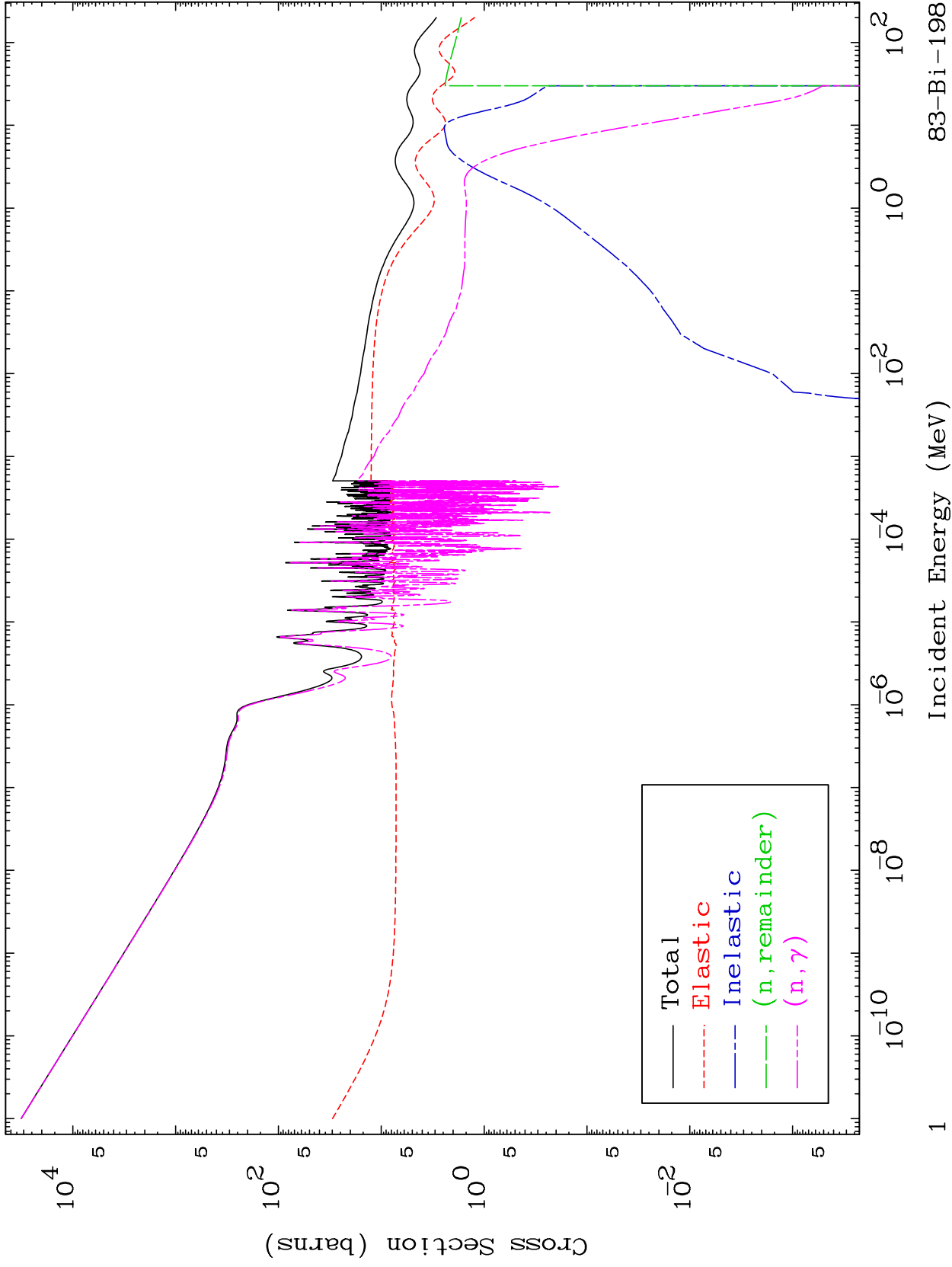
Press Mouse Button to Start

MAT 8294

Major

293 Kelvin Cross Sections

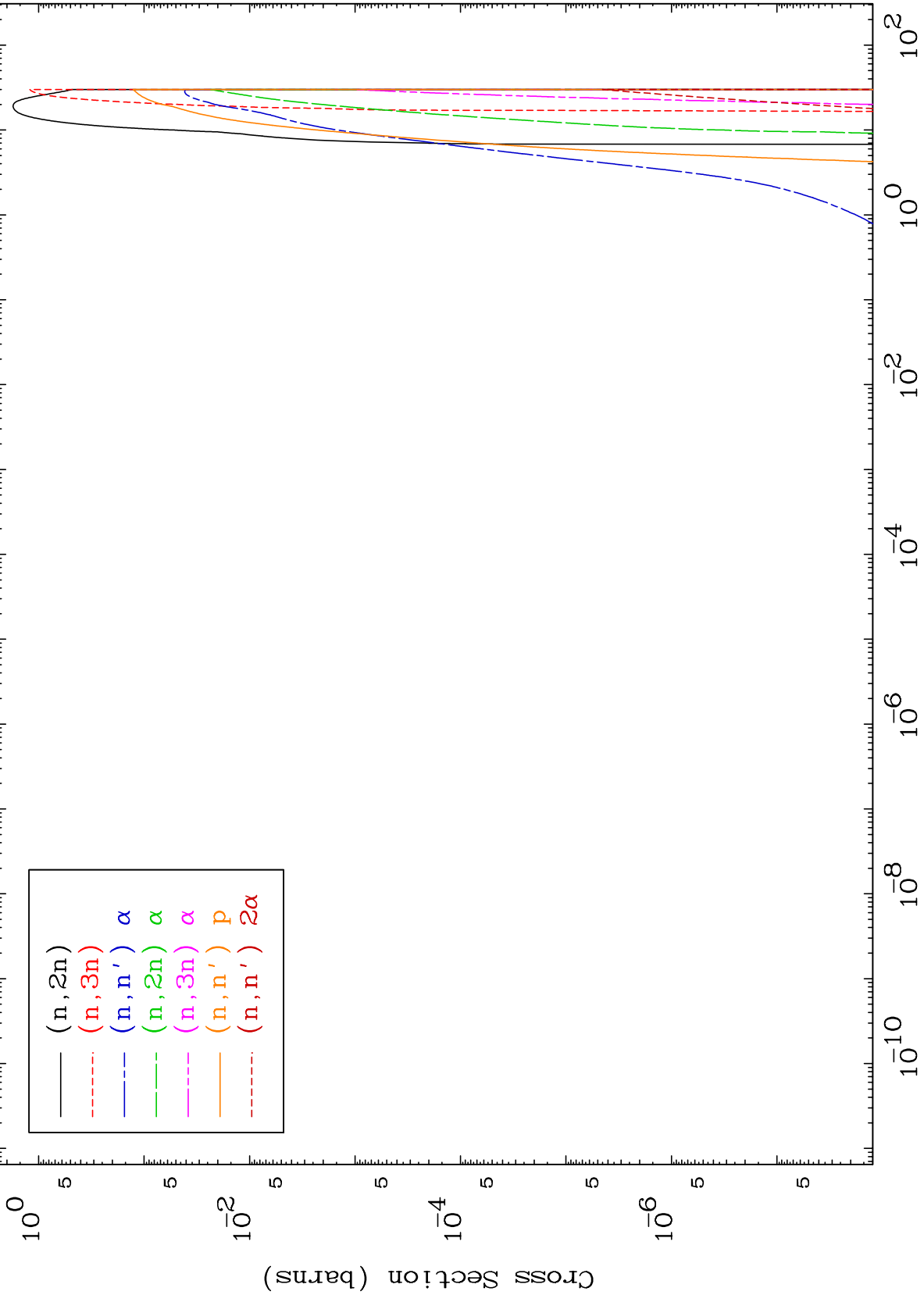
83-Bi-198



MAT 8294

Neutron Production
293 Kelvin Cross Sections

83-Bi-198



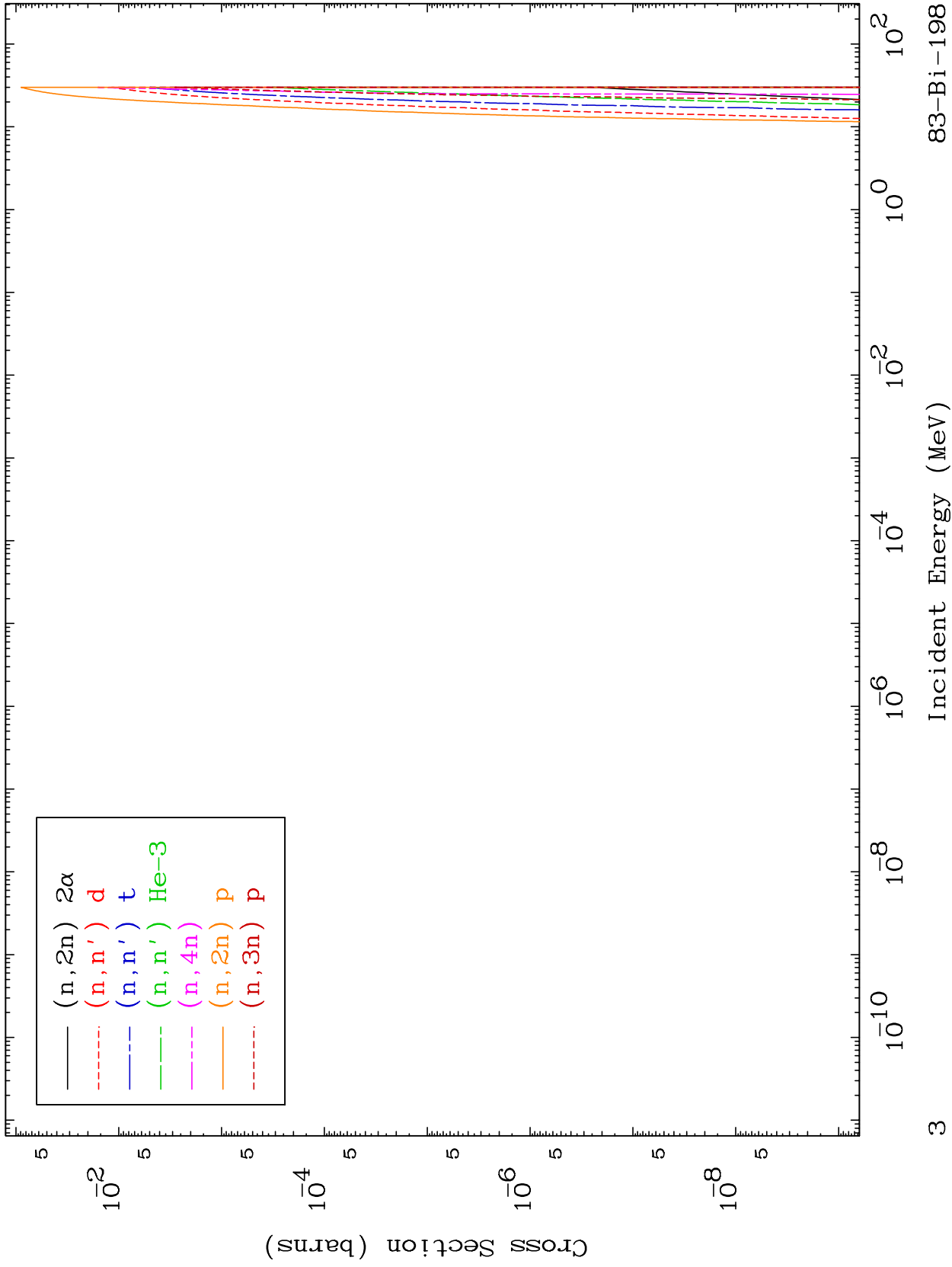
83-Bi-198

Incident Energy (MeV)

MAT 8294

Neutron Production
293 Kelvin Cross Sections

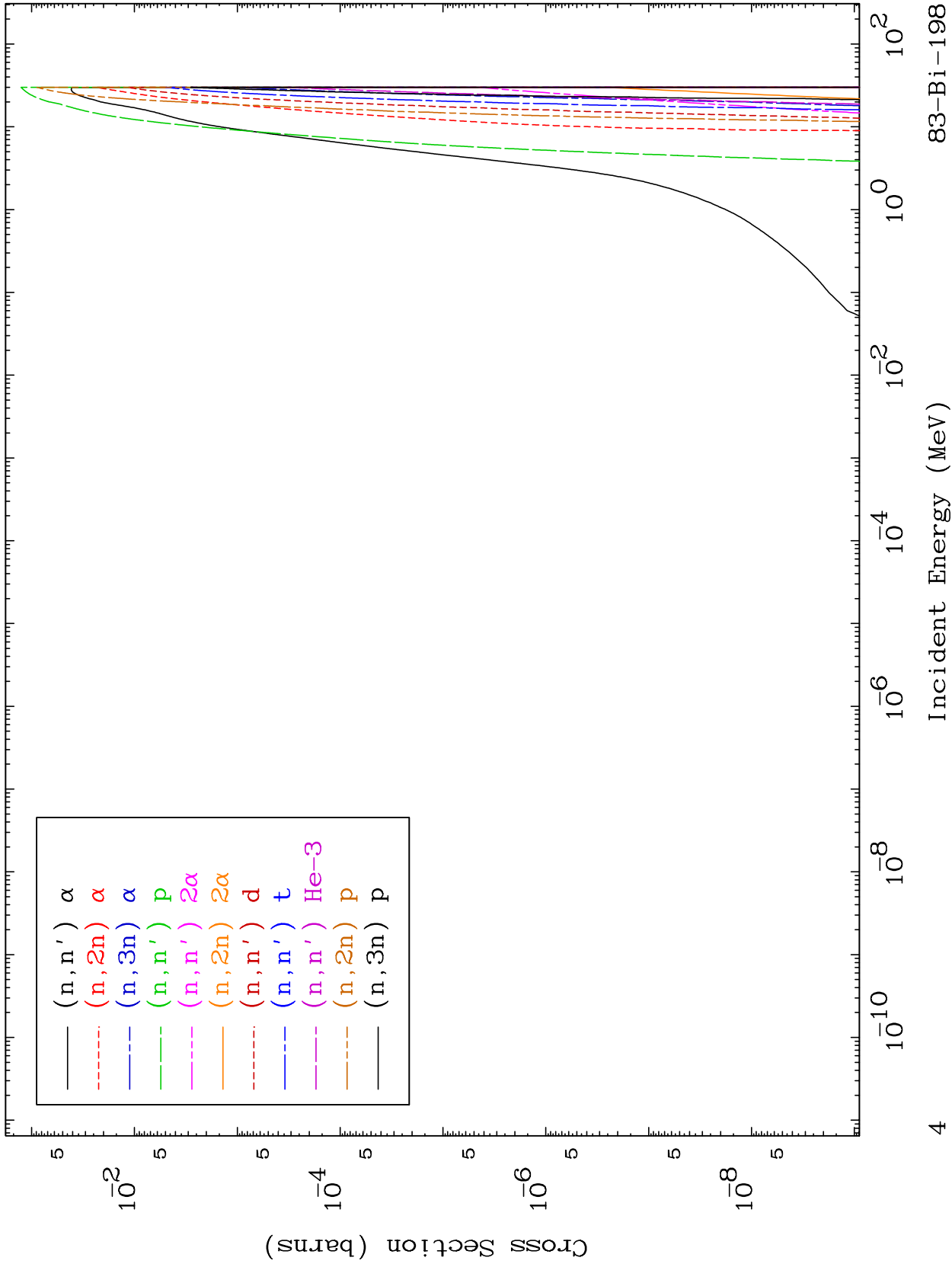
83-Bi-198



MAT 8294

Charged Particle
293 Kelvin Cross Sections

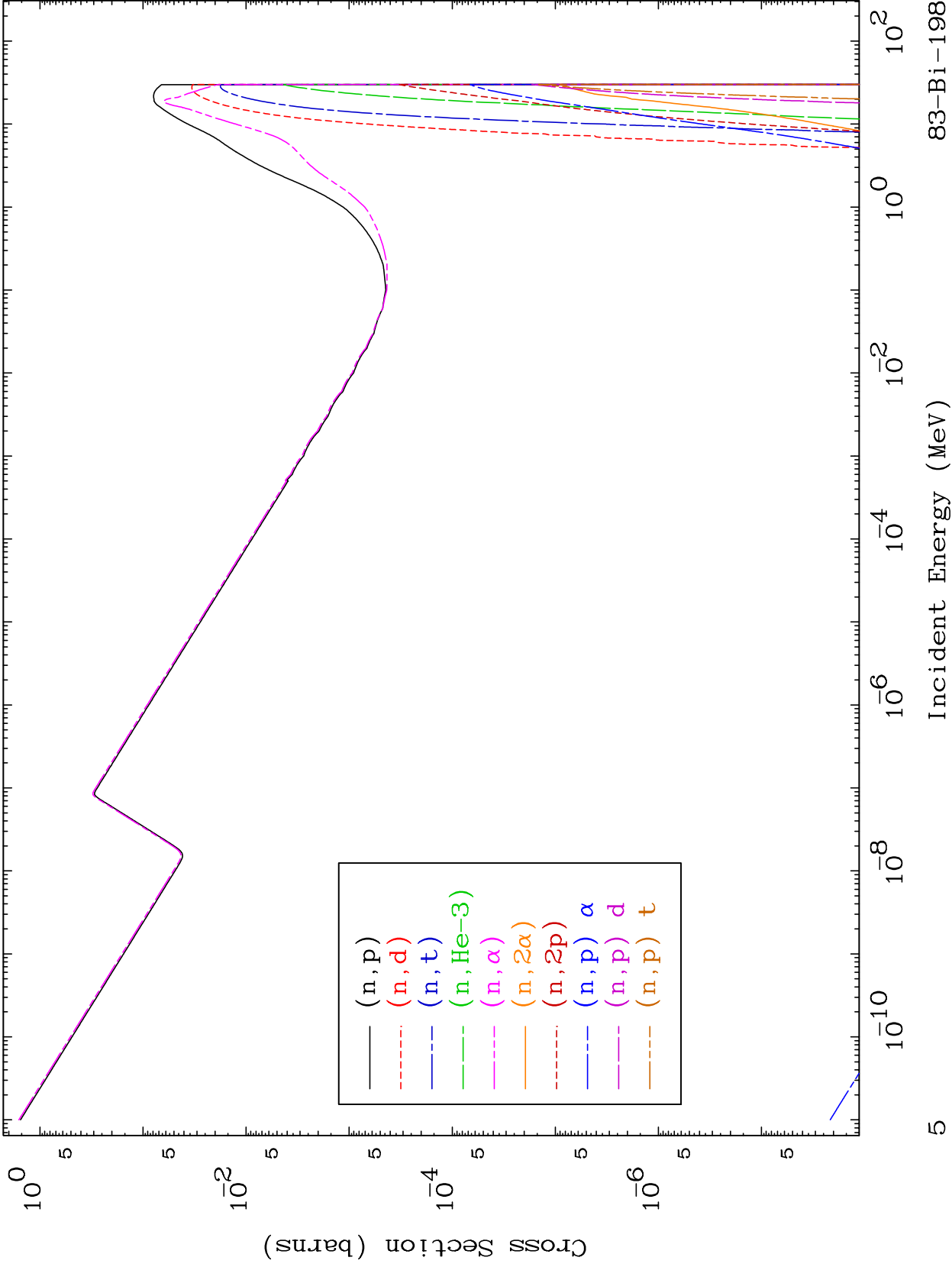
83-Bi-198

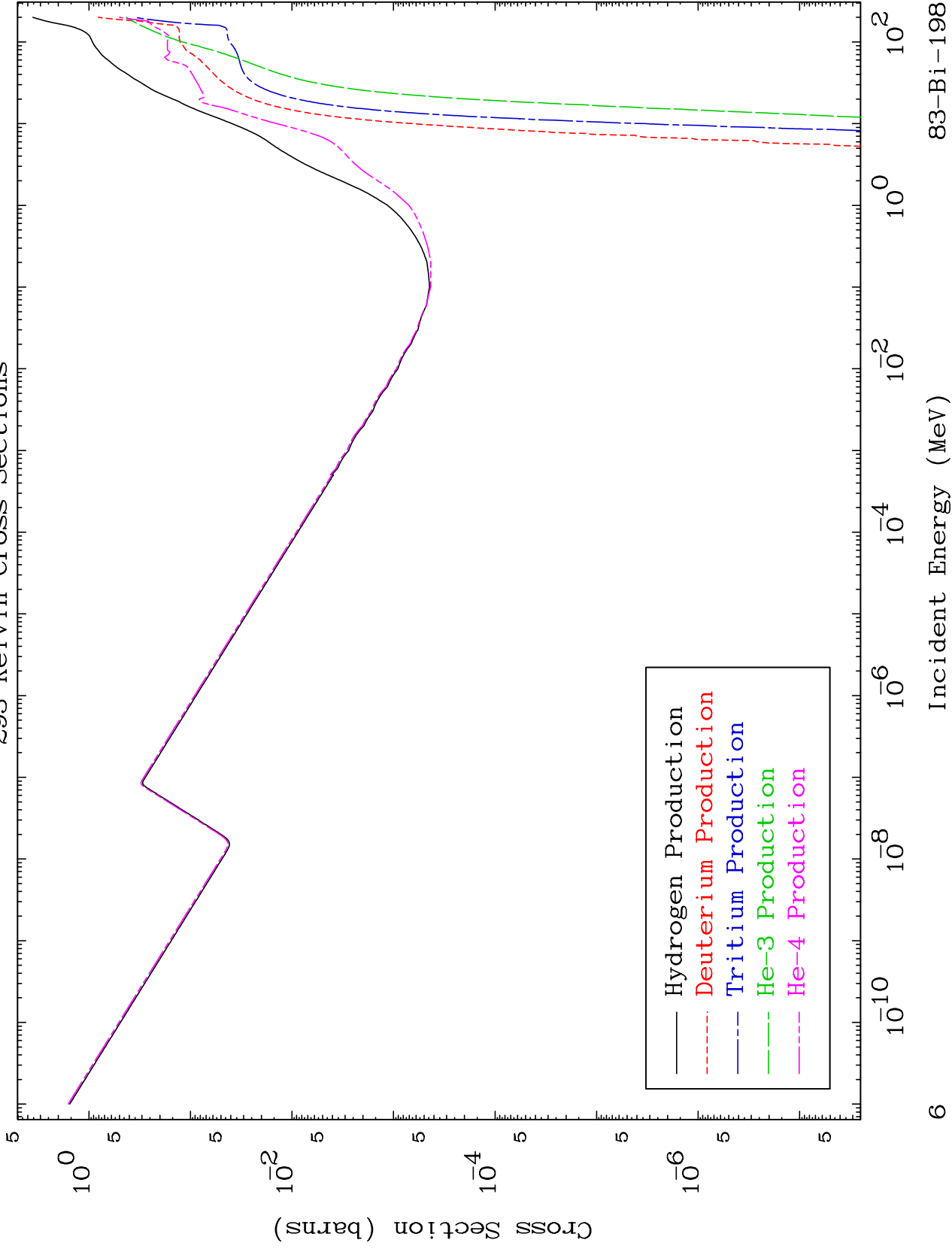


MAT 8294

Charged Particle
293 Kelvin Cross Sections

83-Bi-198



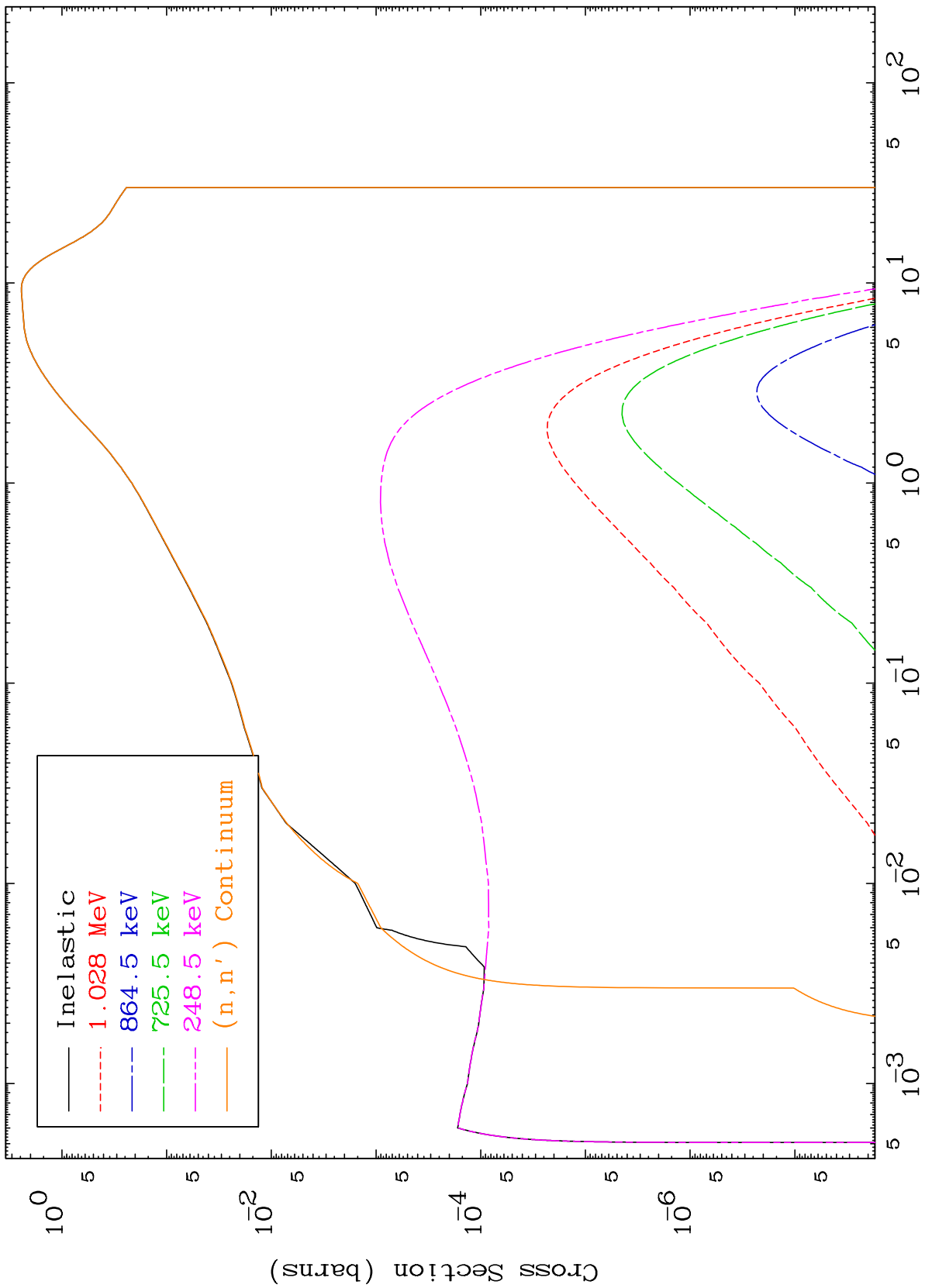


MAT 8294

(n,n') Level

83-Bi-198

293 Kelvin Cross Sections



7

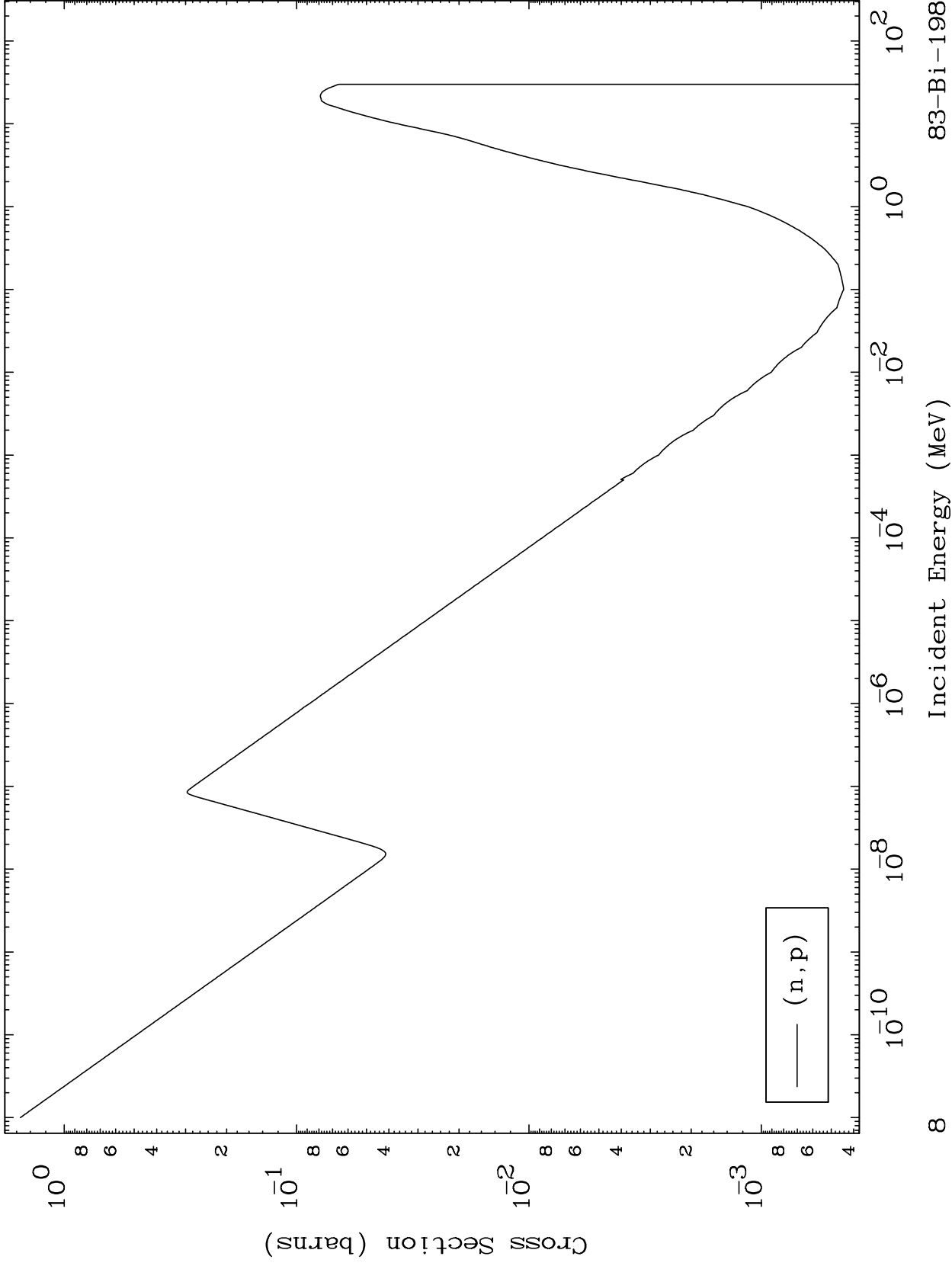
Incident Energy (MeV)

83-Bi-198

MAT 8294

(n,p) Levels
293 Kelvin Cross Sections

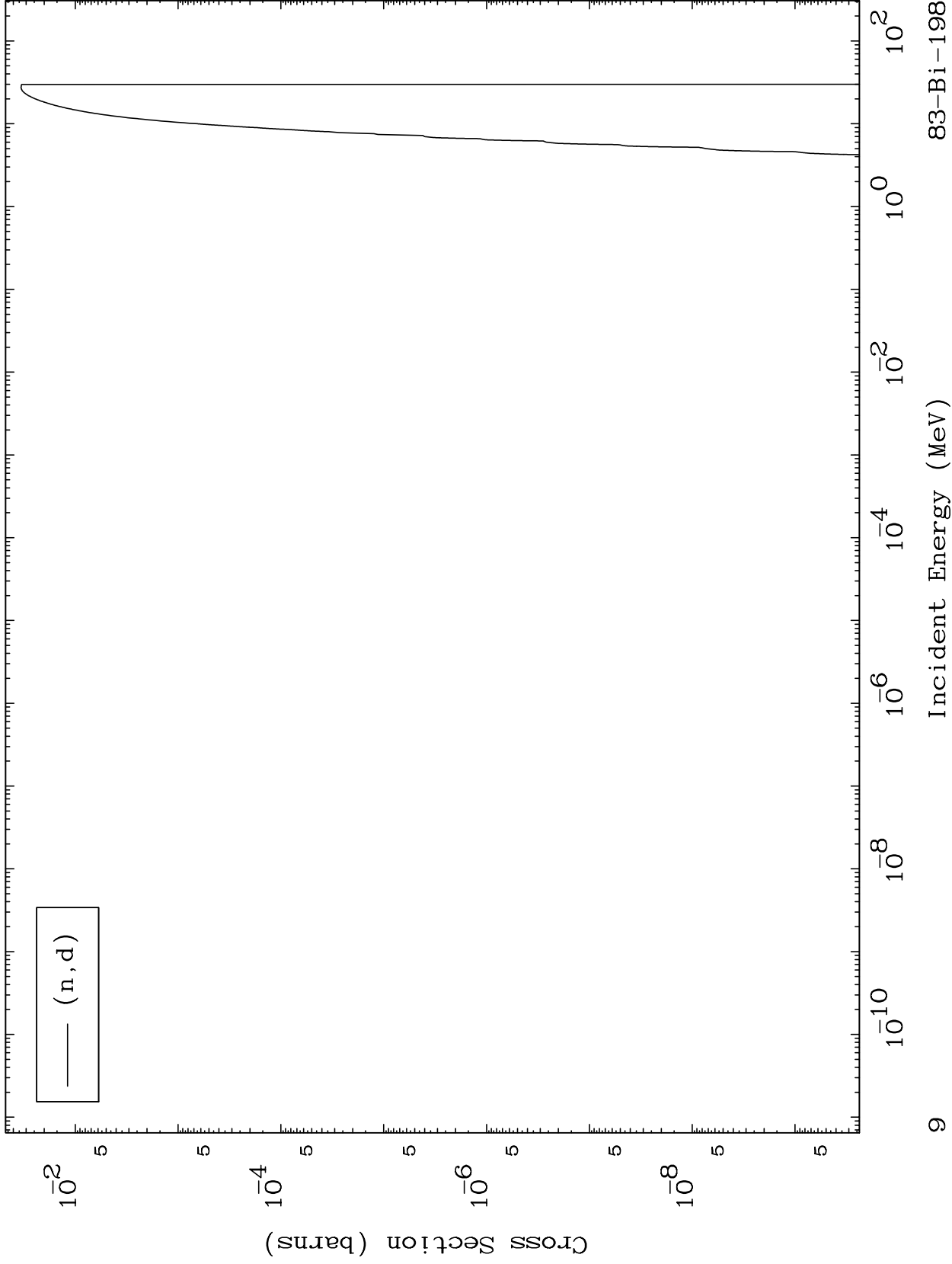
83-Bi-198



MAT 8294

(n,d) Levels
293 Kelvin Cross Sections

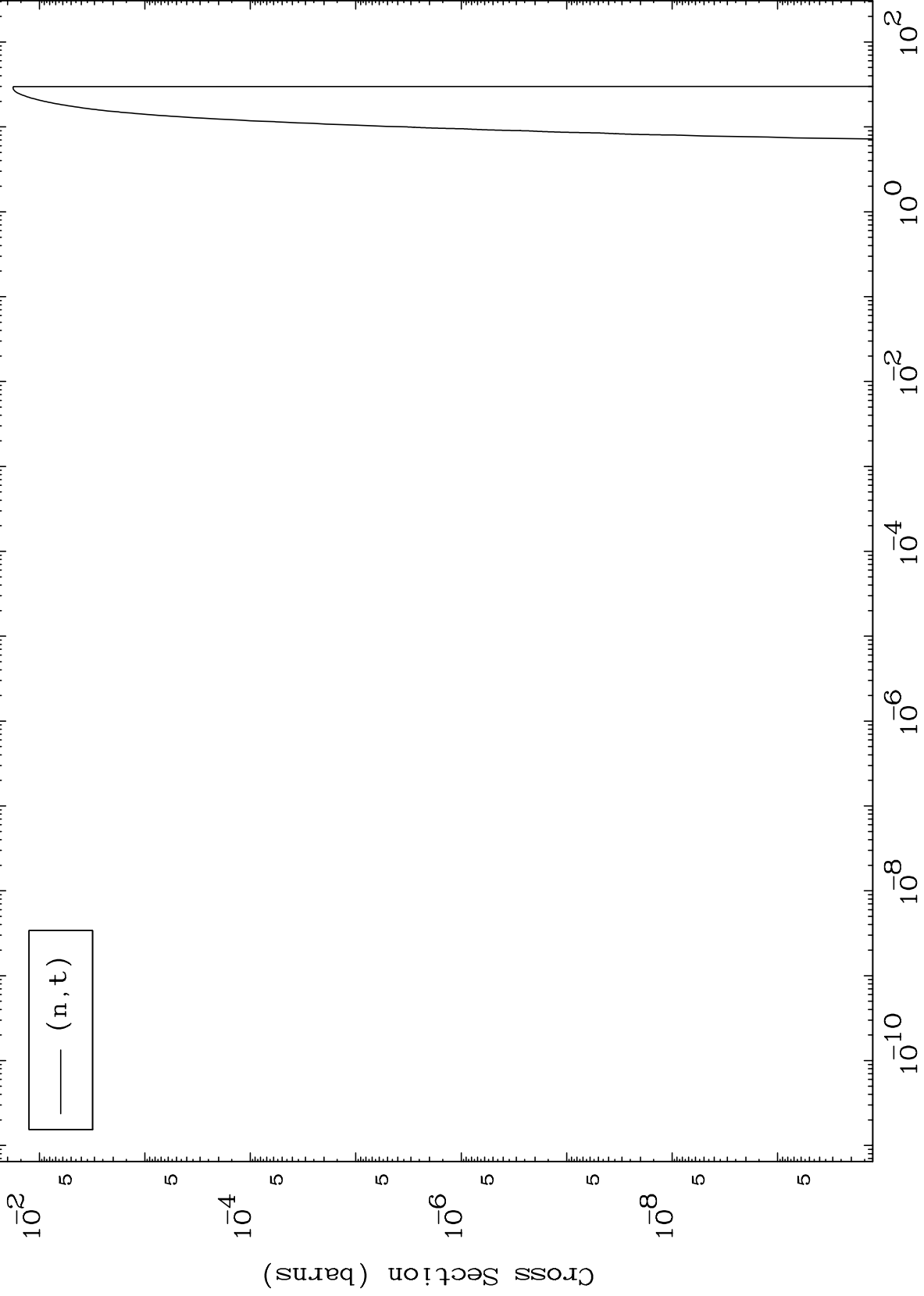
83-Bi-198



MAT 8294

(n,t) Levels
293 Kelvin Cross Sections

83-Bi-198



10

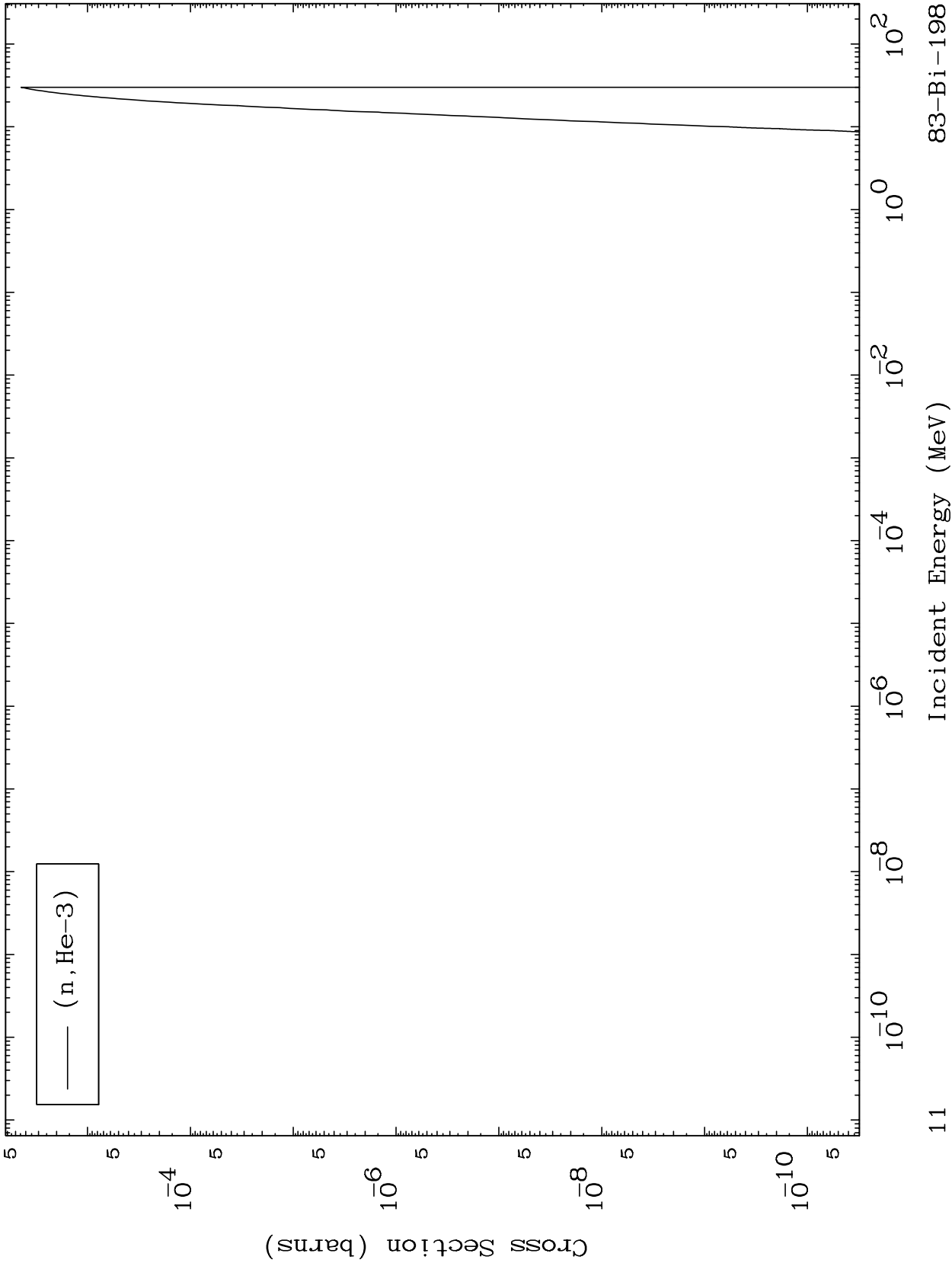
Incident Energy (MeV)

83-Bi-198

MAT 8294

(n,He3) Levels
293 Kelvin Cross Sections

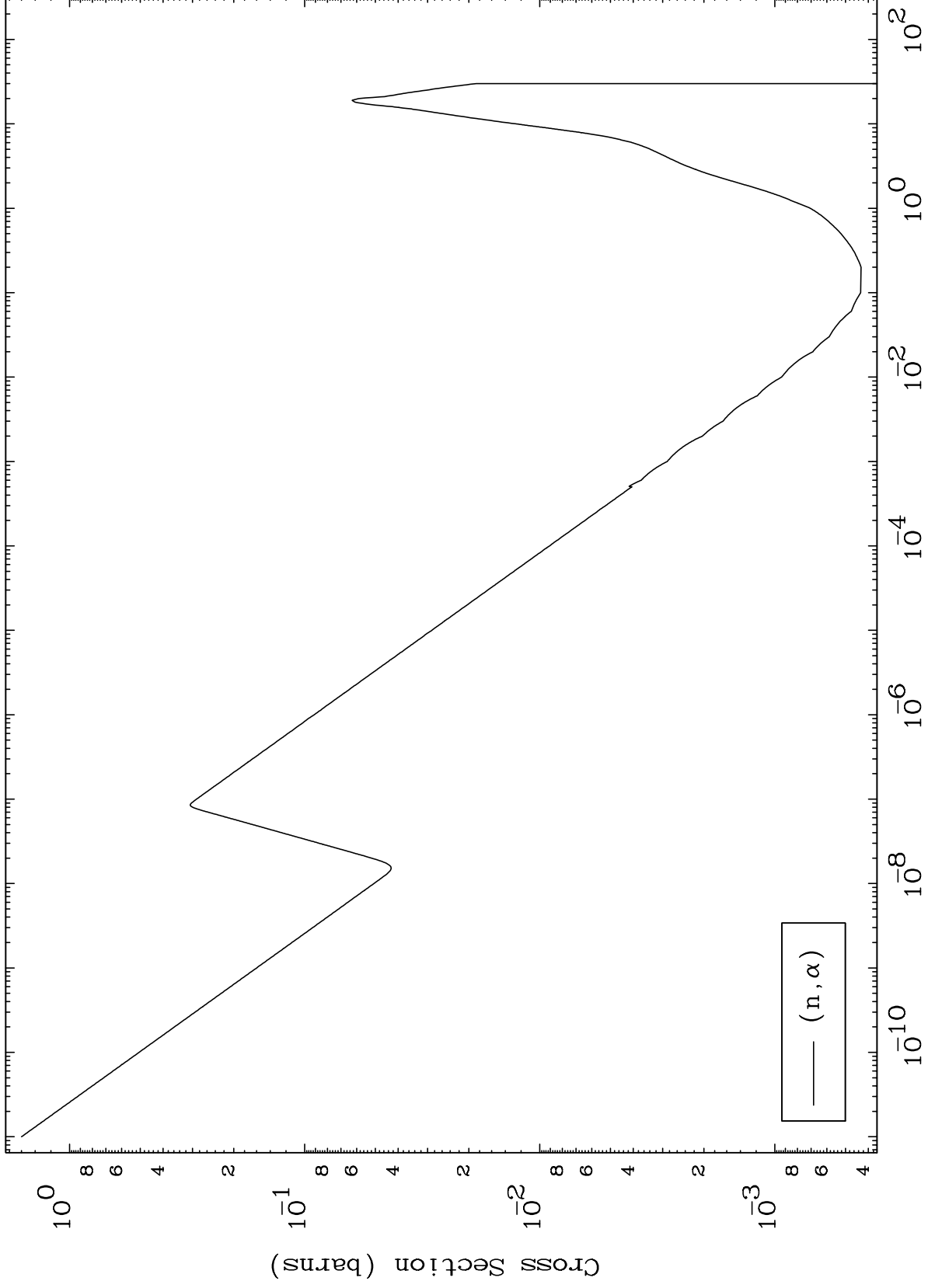
83-Bi-198



MAT 8294

(n, α) Levels
293 Kelvin Cross Sections

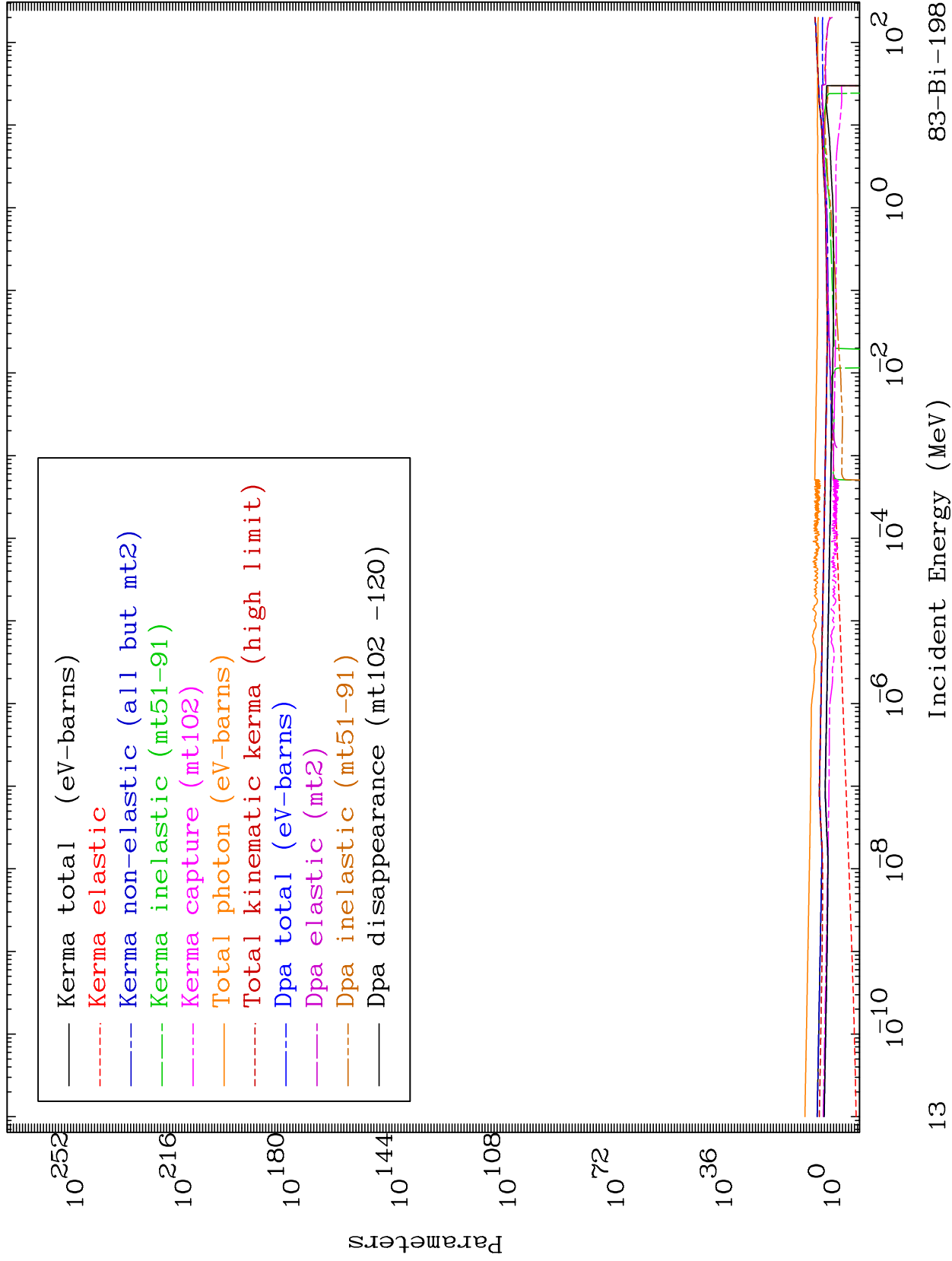
83-Bi-198



12

Incident Energy (MeV)

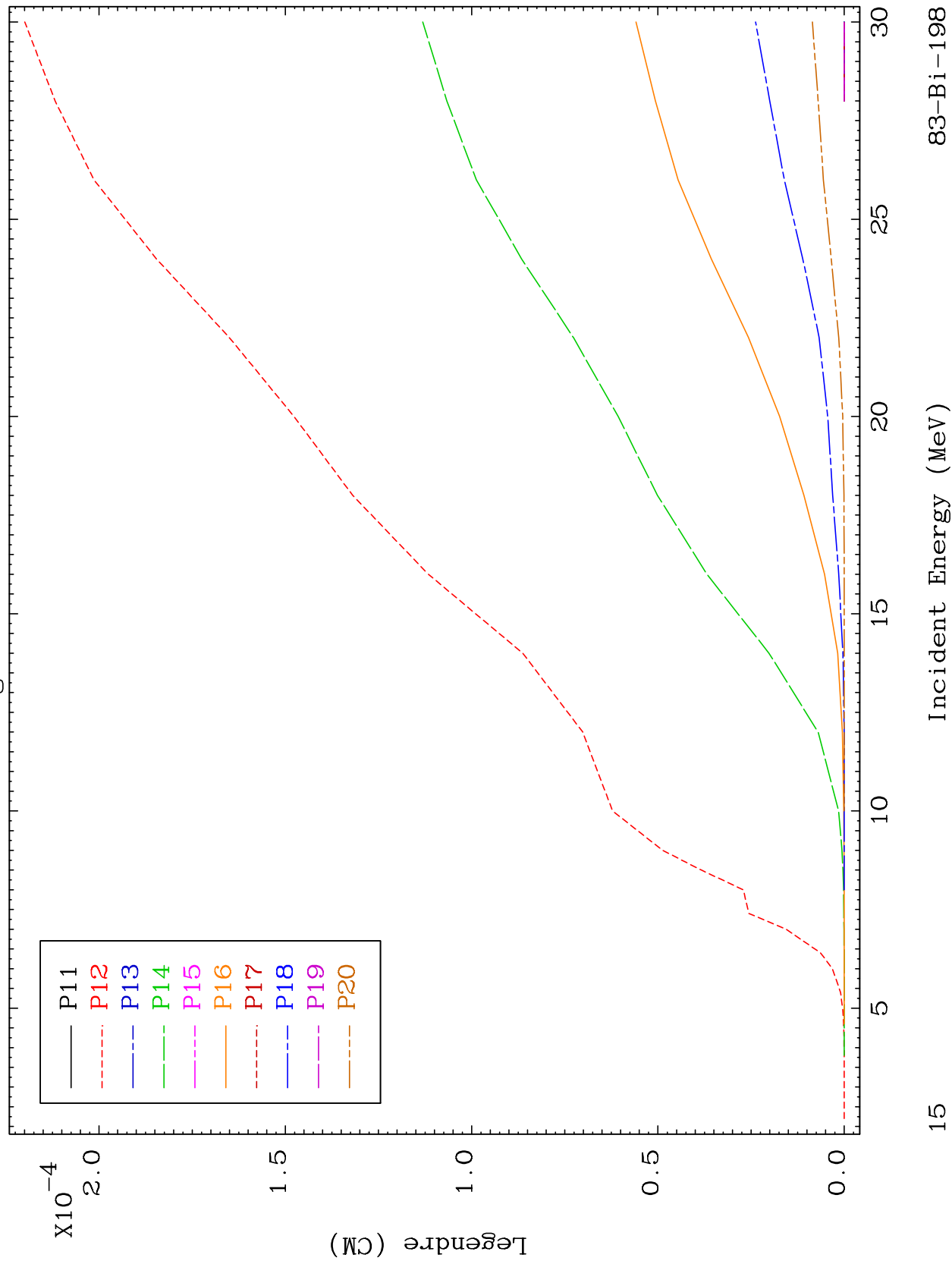
83-Bi-198



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Elastic Legendre Coefficients

83-Bi-198



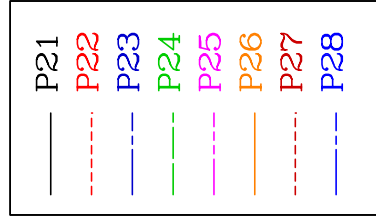
15

83-Bi-198

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Elastic Legendre Coefficients

83-Bi-198



$\times 10^{-6}$

1.5

Legendre (CM)

1.0

0.5

0.0

15

20

25

30

16

Incident Energy (MeV)

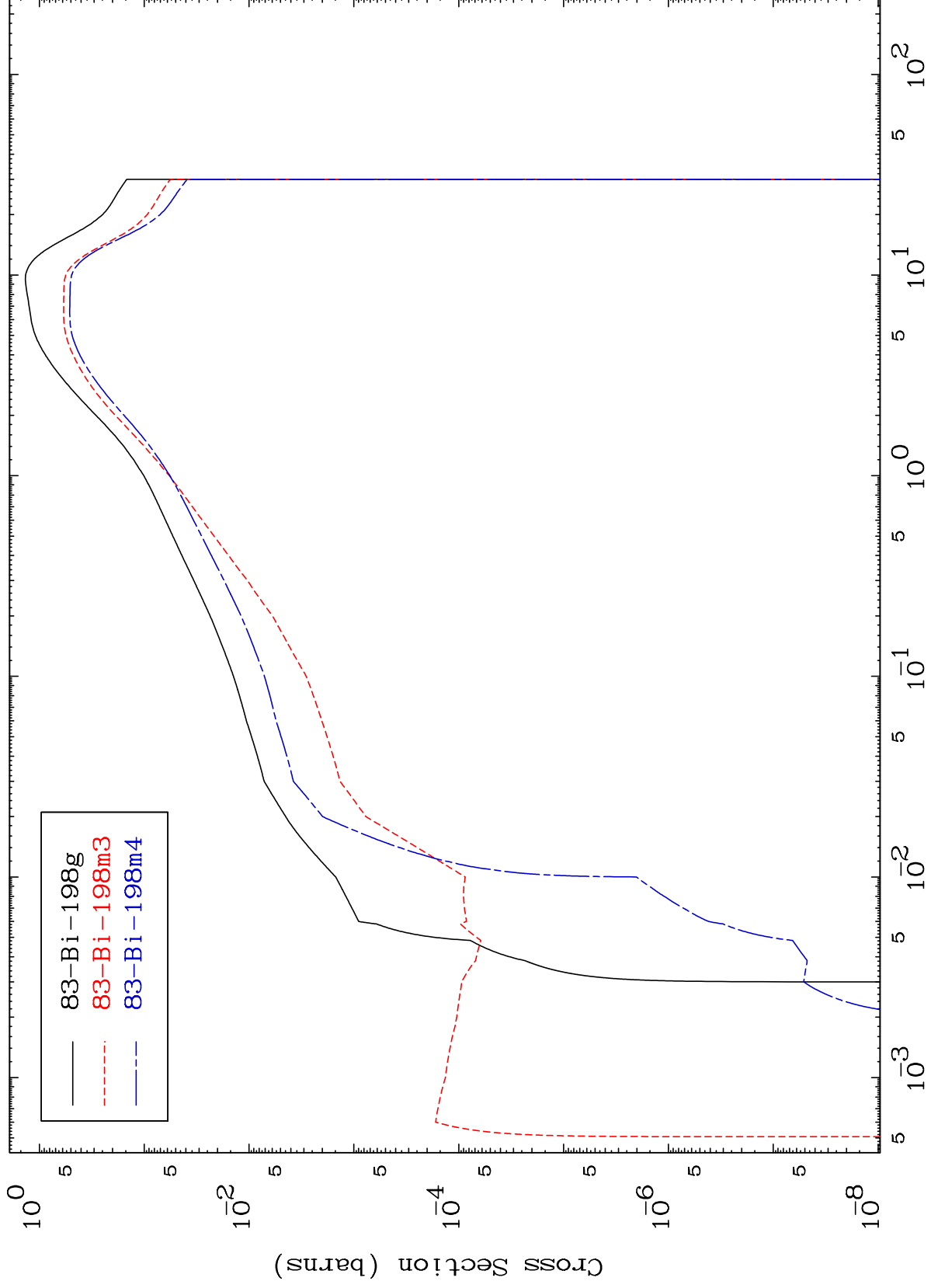
83-Bi-198



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83-Bi-198

Inelastic
Radionuclide Production Cross Section



17

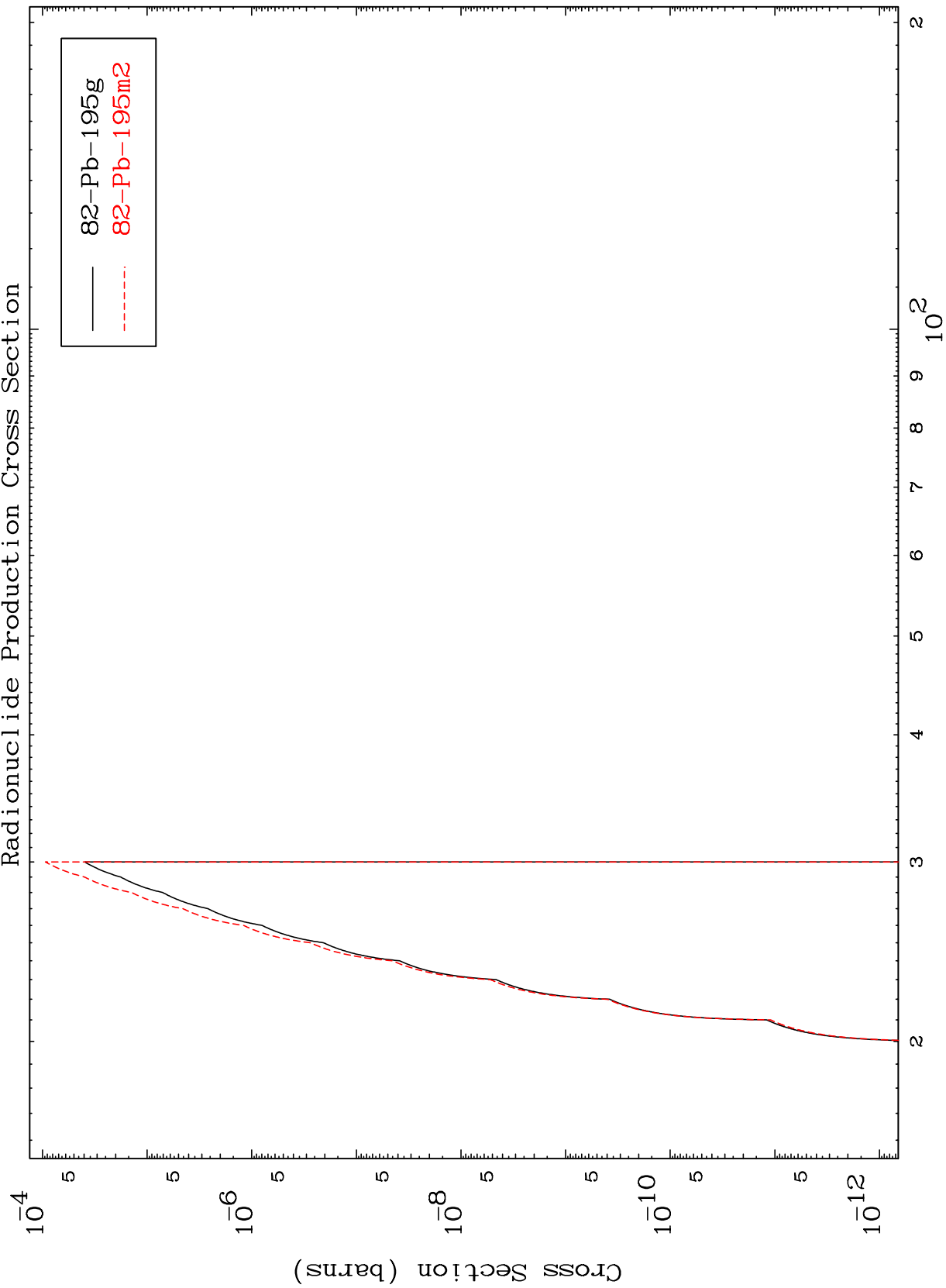
Incident Energy (MeV)

83-Bi-198

MAT 8294

83-Bi-198

(n,2n) d
Radionuclide Production Cross Section



18

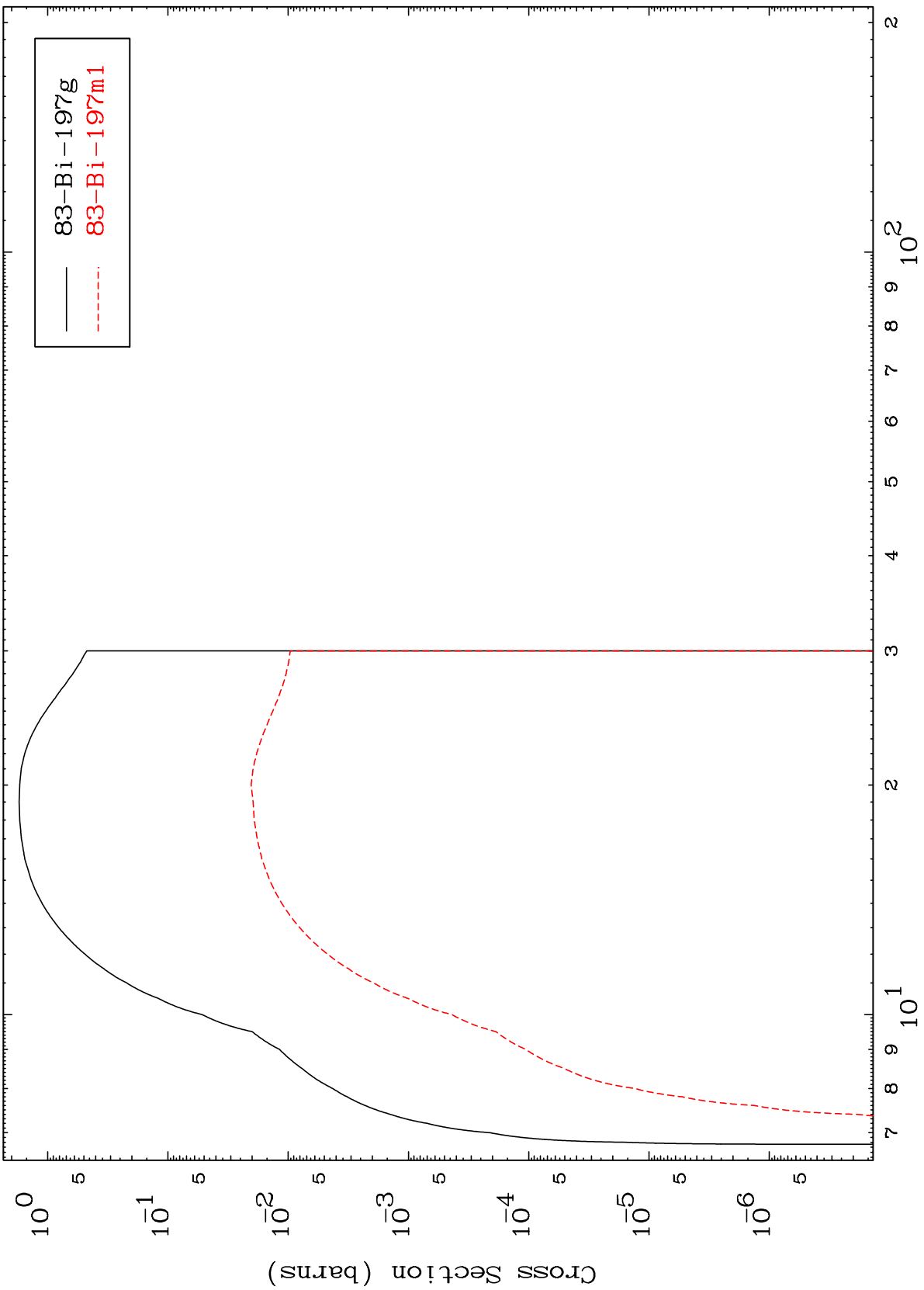
Incident Energy (MeV)

83-Bi-198

MAT 8294

83-Bi-198

(n,2n)
Radionuclide Production Cross Section



19

Incident Energy (MeV)

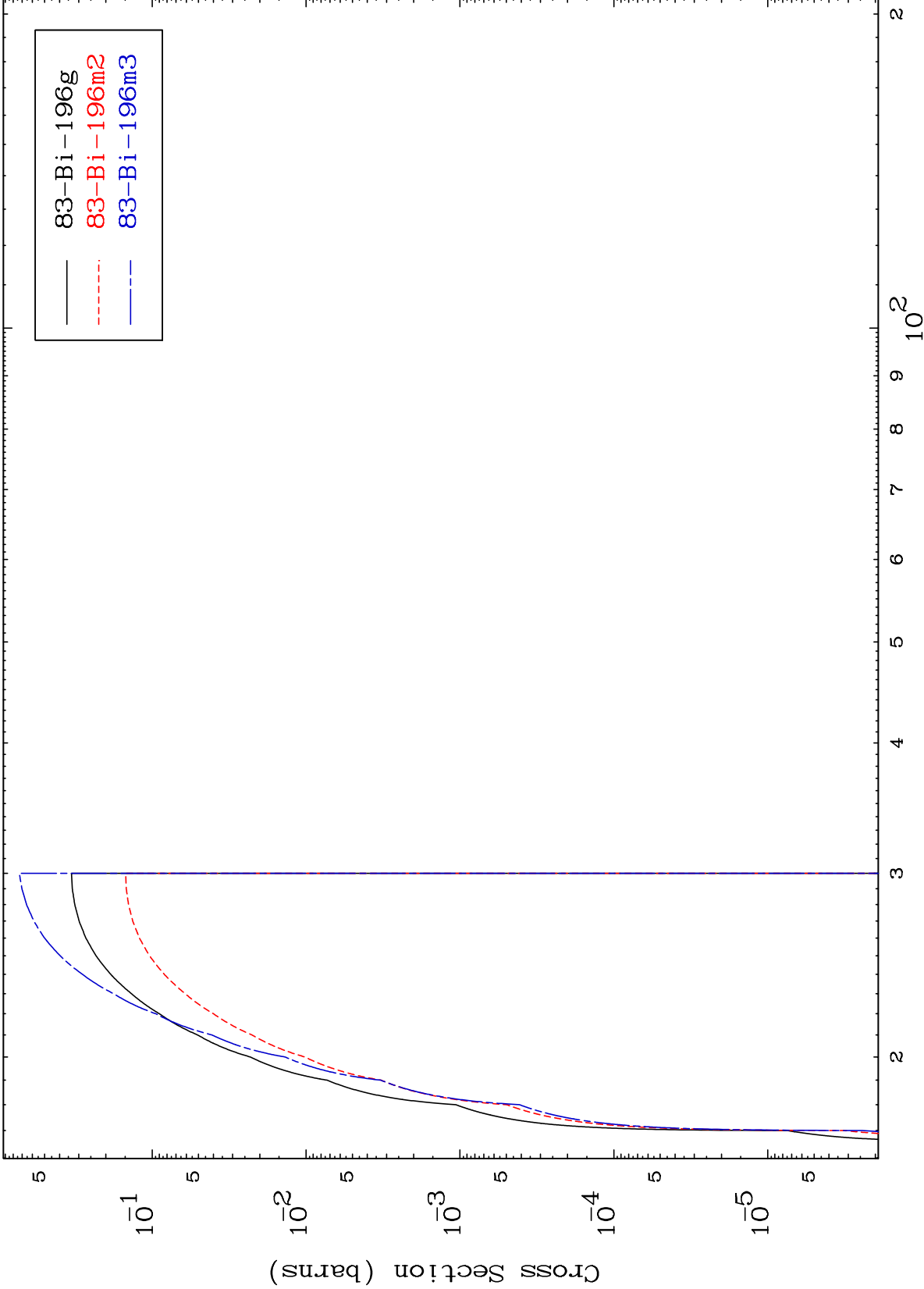
83-Bi-198

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(n,3n)

83-Bi-198

Radionuclide Production Cross Section



20

Incident Energy (MeV)

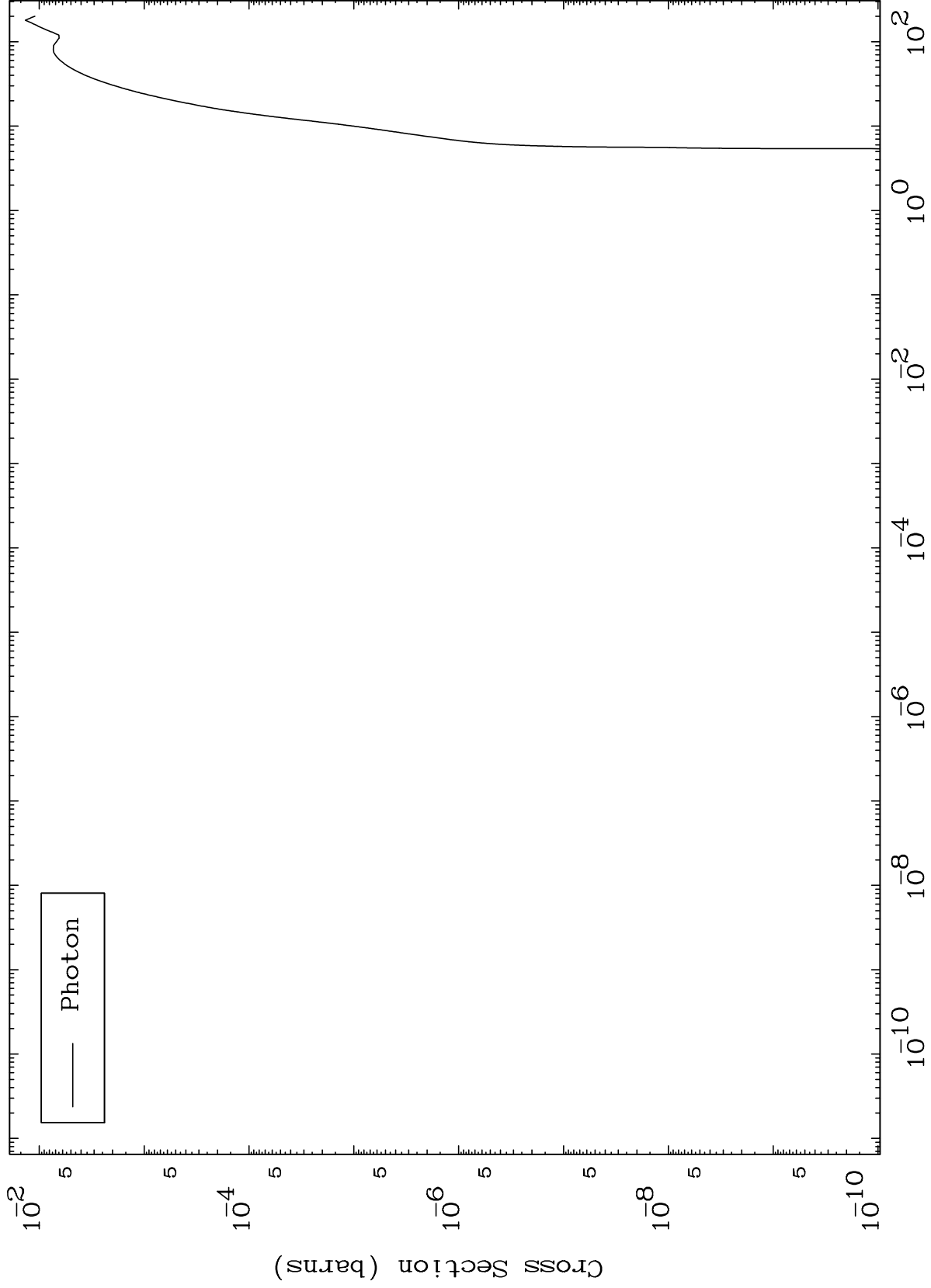
83-Bi-198

MAT 8294

Fission

83-Bi-198

Radionuclide Production Cross Section

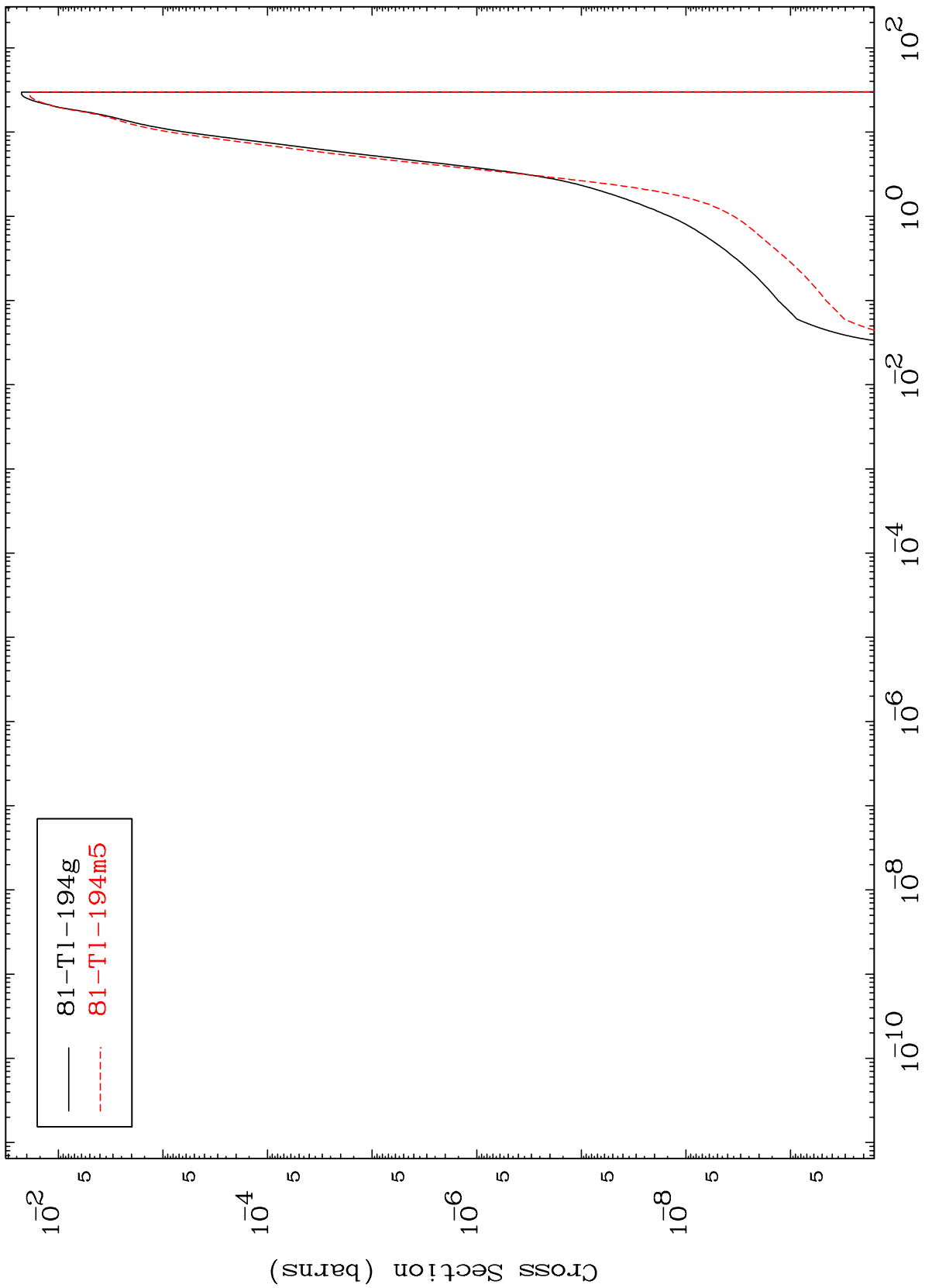


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$(n, n') \alpha$

83-Bi-198

Radionuclide Production Cross Section



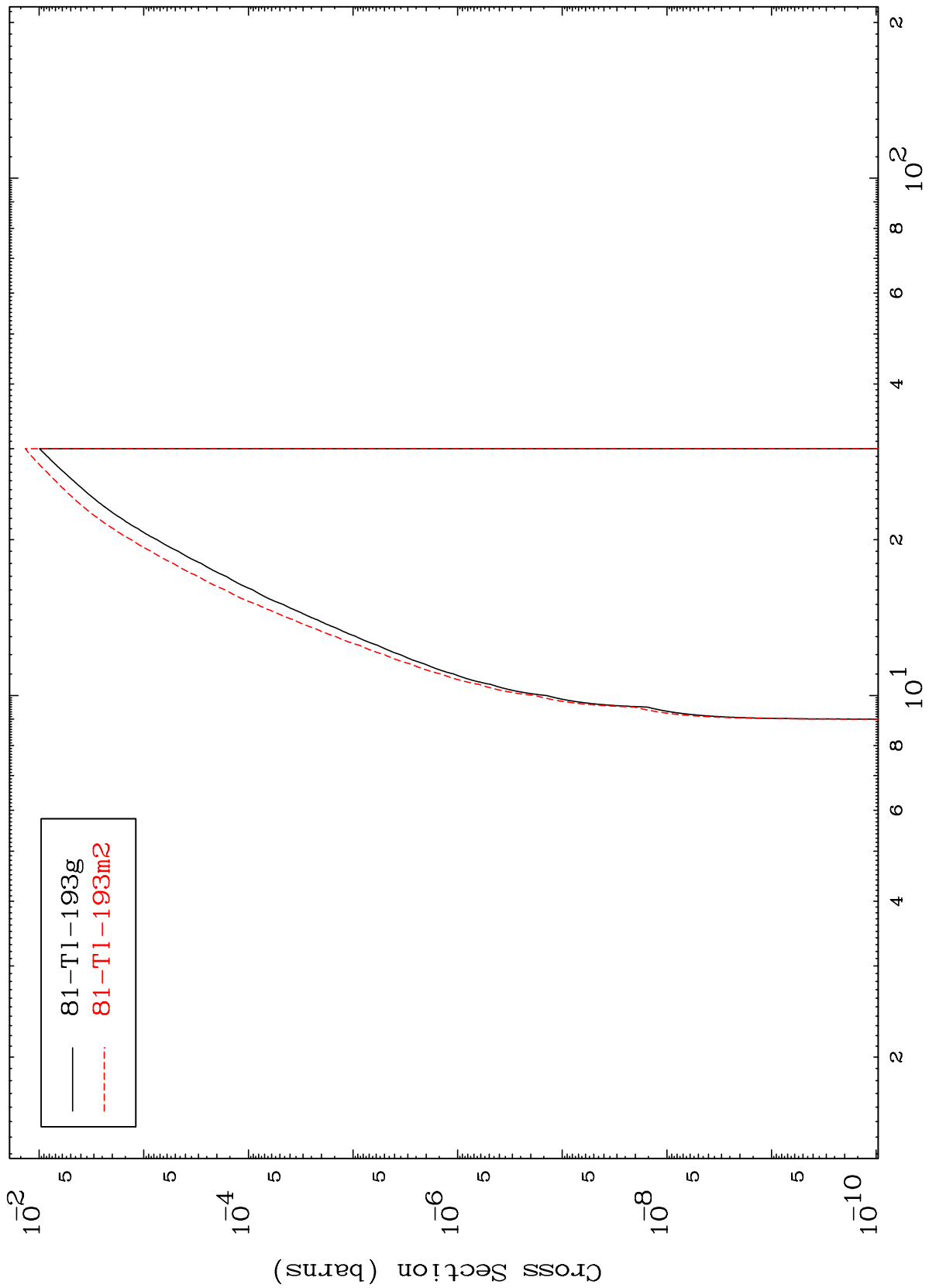
83-Bi-198

MAT 8294

(n,2n) α

83-Bi-198

Radionuclide Production Cross Section

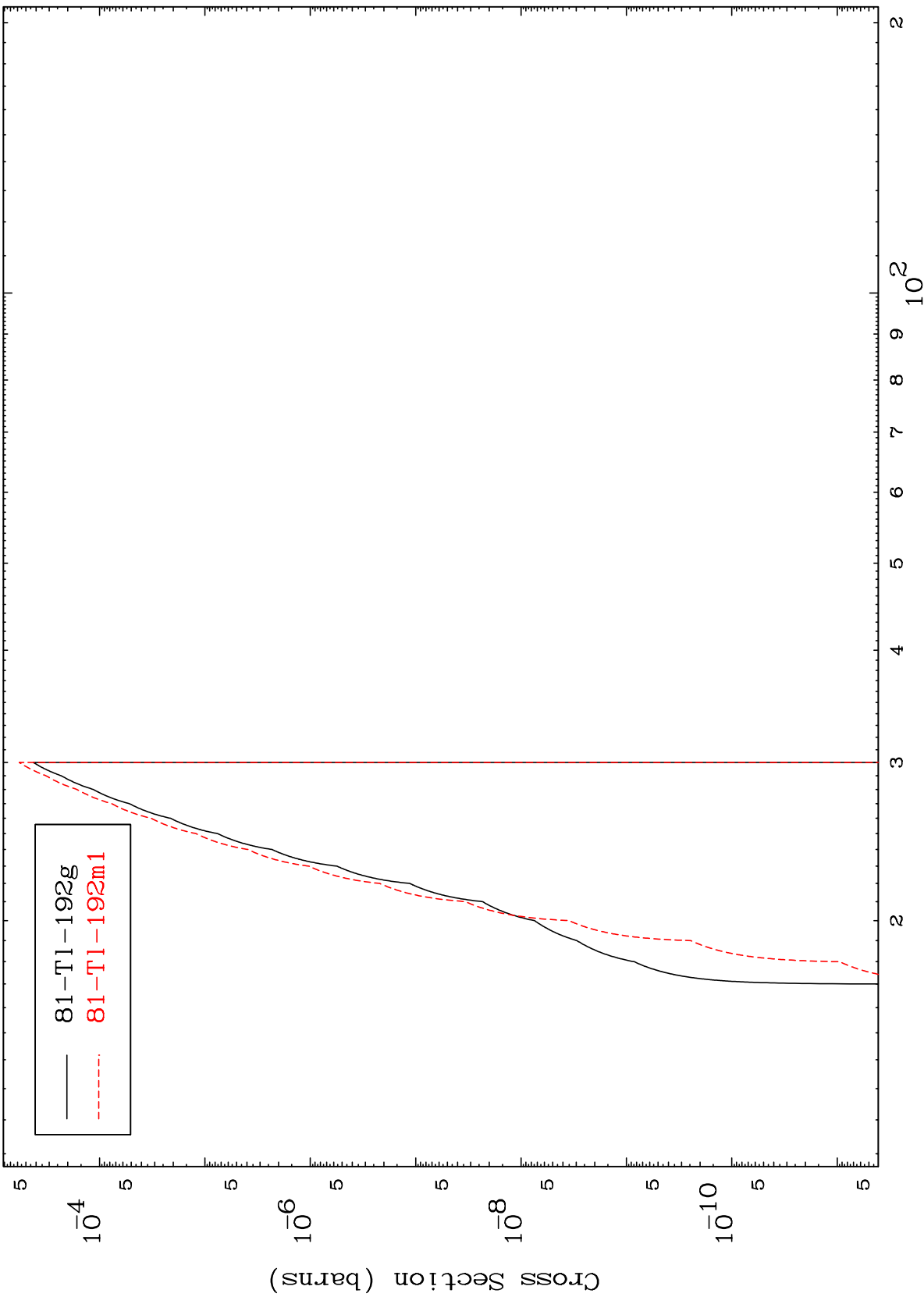


MAT 8294

(n,3n) α

83-Bi-198

Radionuclide Production Cross Section



24

Incident Energy (MeV)

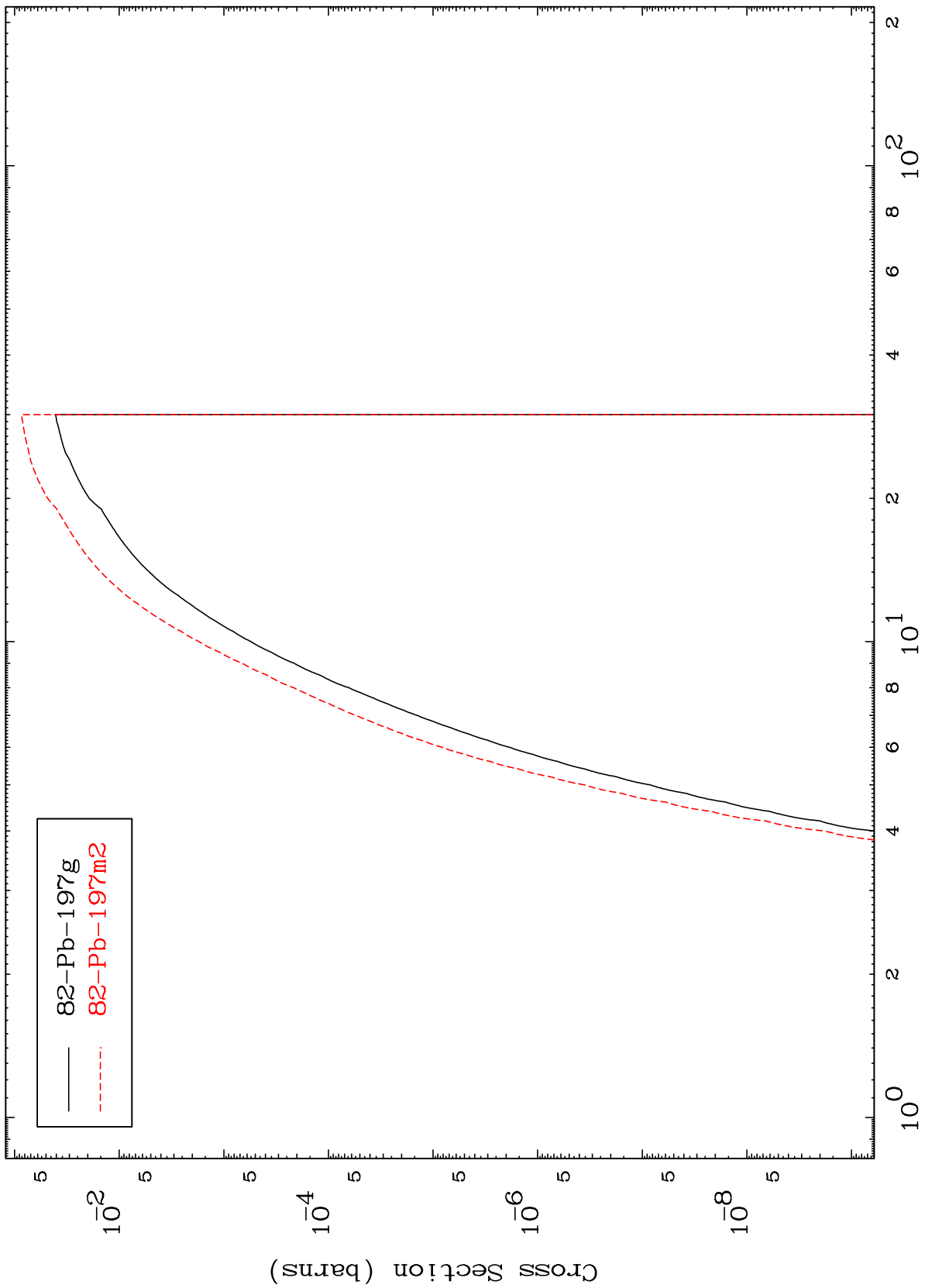
83-Bi-198

MAT 8294

(n,n') p

83-Bi-198

Radionuclide Production Cross Section



25

Incident Energy (MeV)

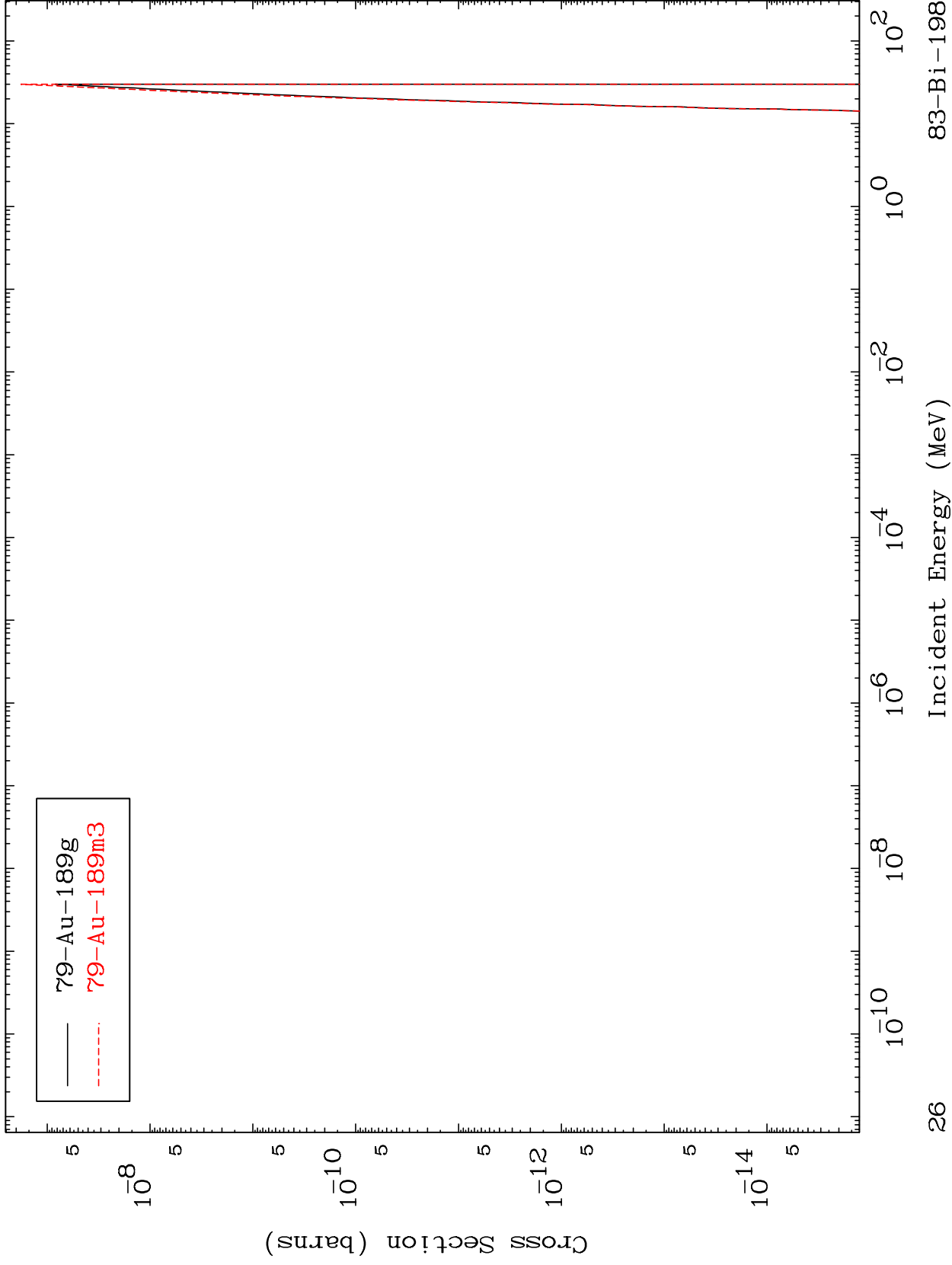
83-Bi-198

MAT 8294

(n,2n) 2 α

83-Bi-198

Radionuclide Production Cross Section

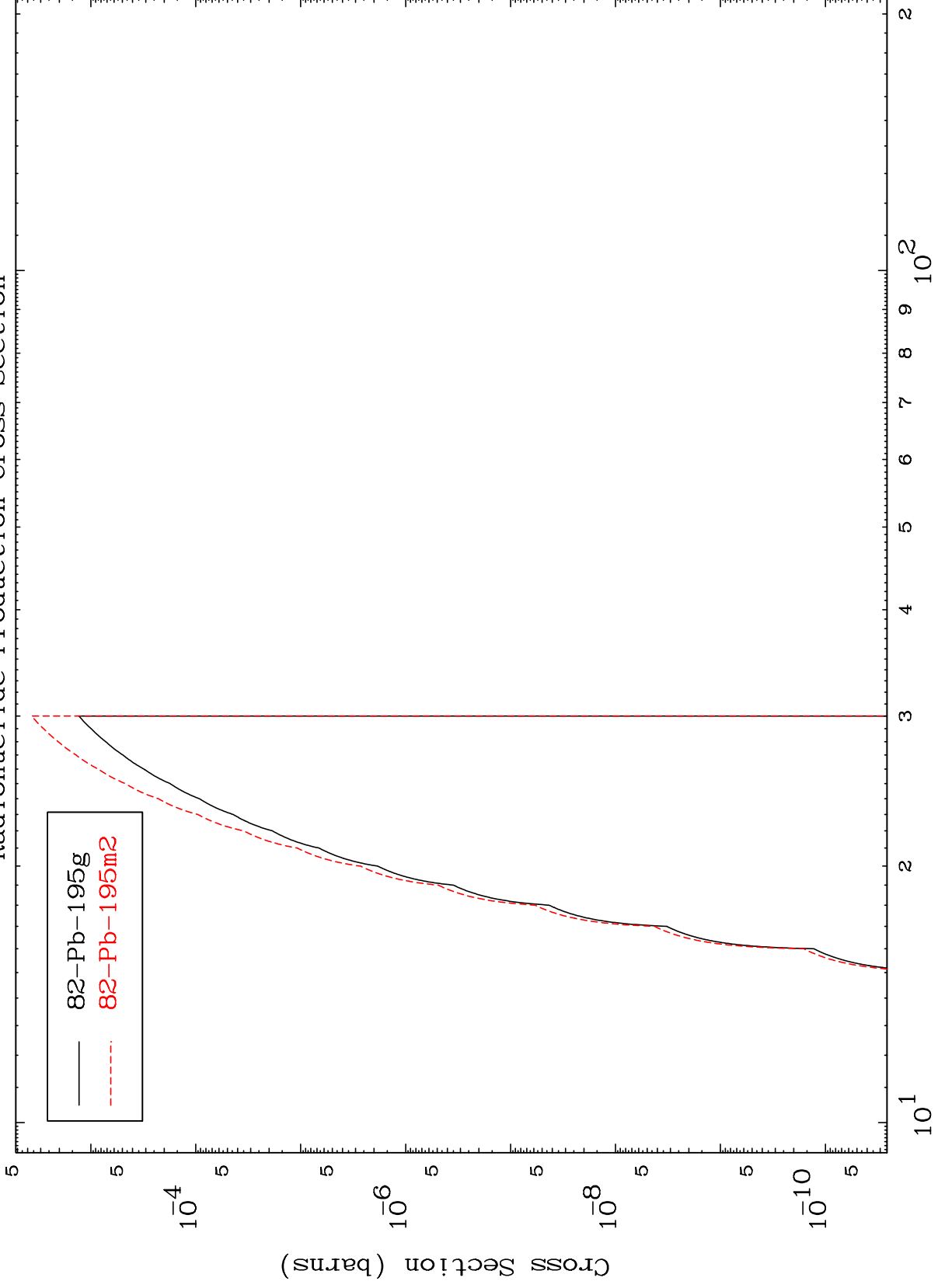


MAT 8294

(n,n') t

83-Bi-198

Radionuclide Production Cross Section

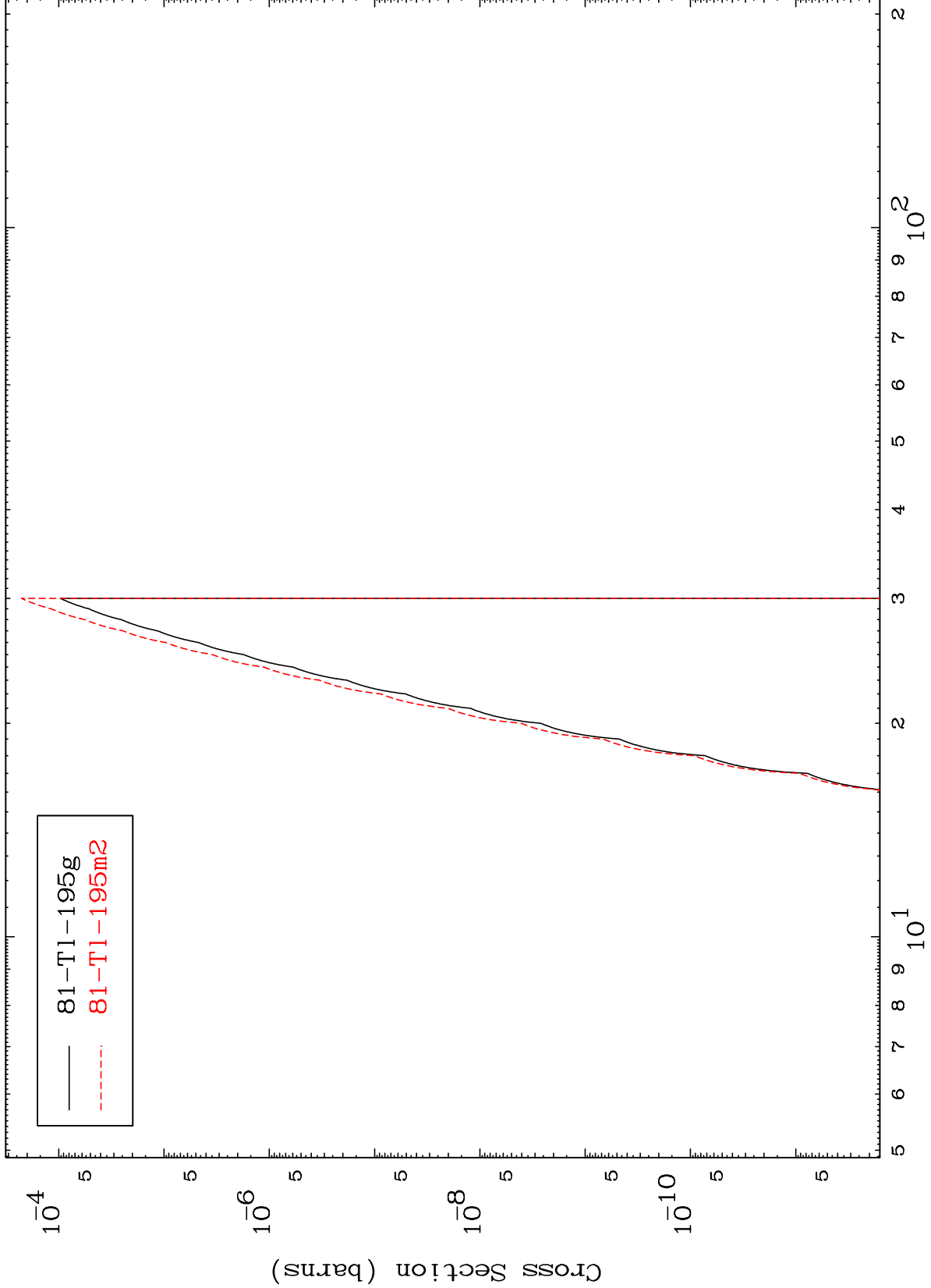


27

Incident Energy (MeV)

83-Bi-198

Radionuclide Production Cross Section



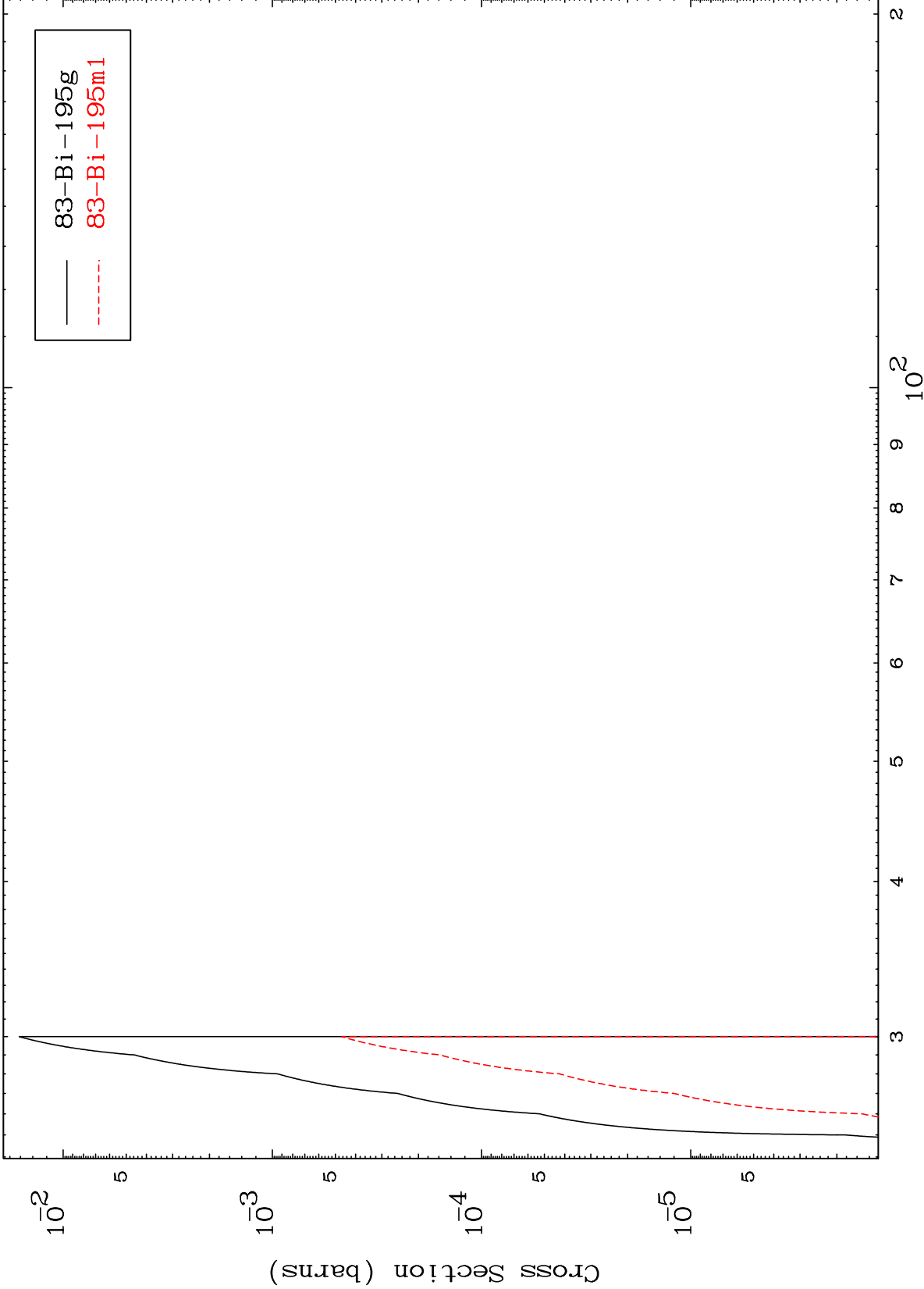
81-Tl-195g
81-Tl-195m2

MAT 8294

83-Bi-198

(n,4n)

Radionuclide Production Cross Section



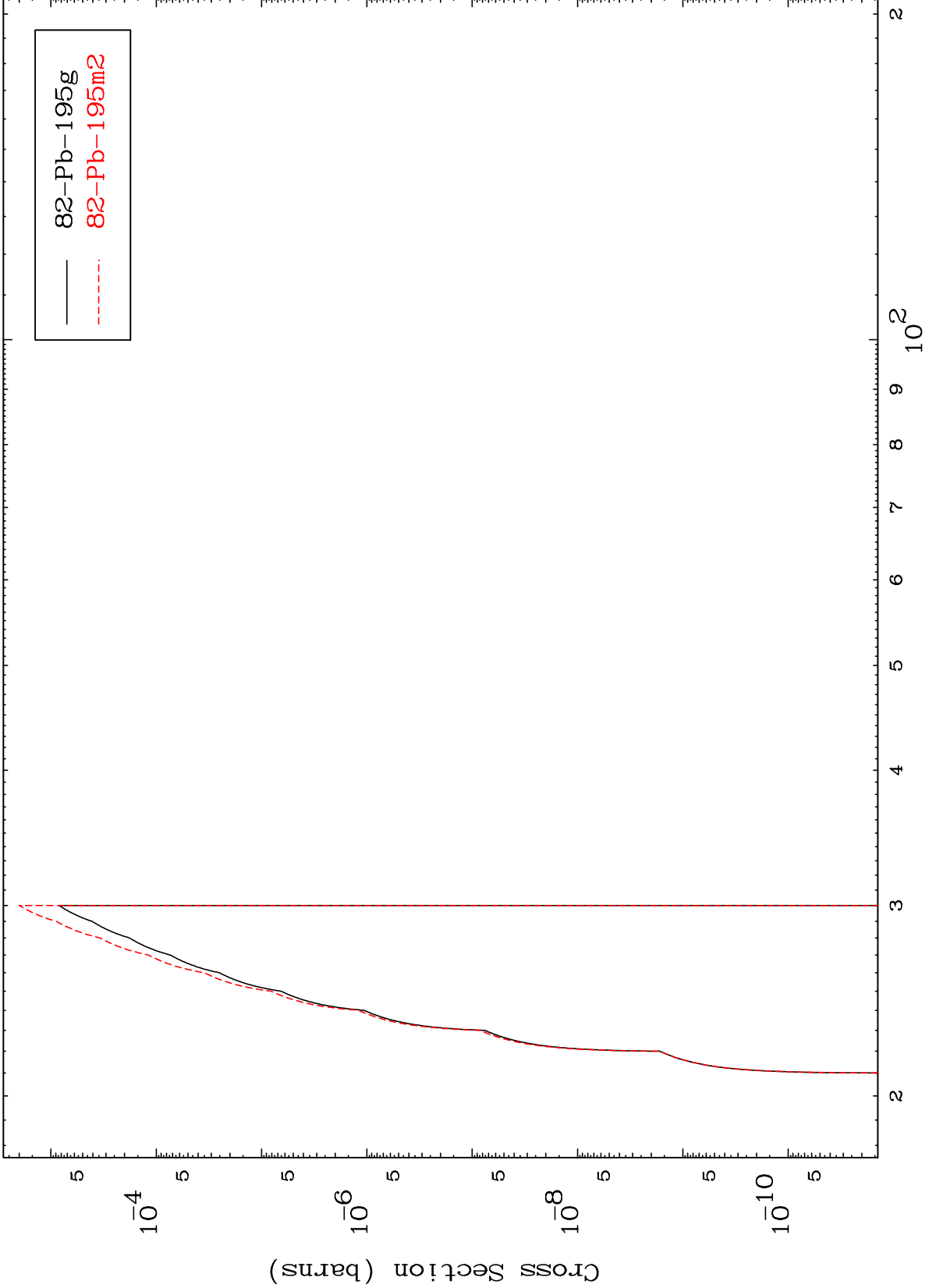
83-Bi-195g
83-Bi-195m1

MAT 8294

(n,3n) p

83-Bi-198

Radionuclide Production Cross Section



30

Incident Energy (MeV)

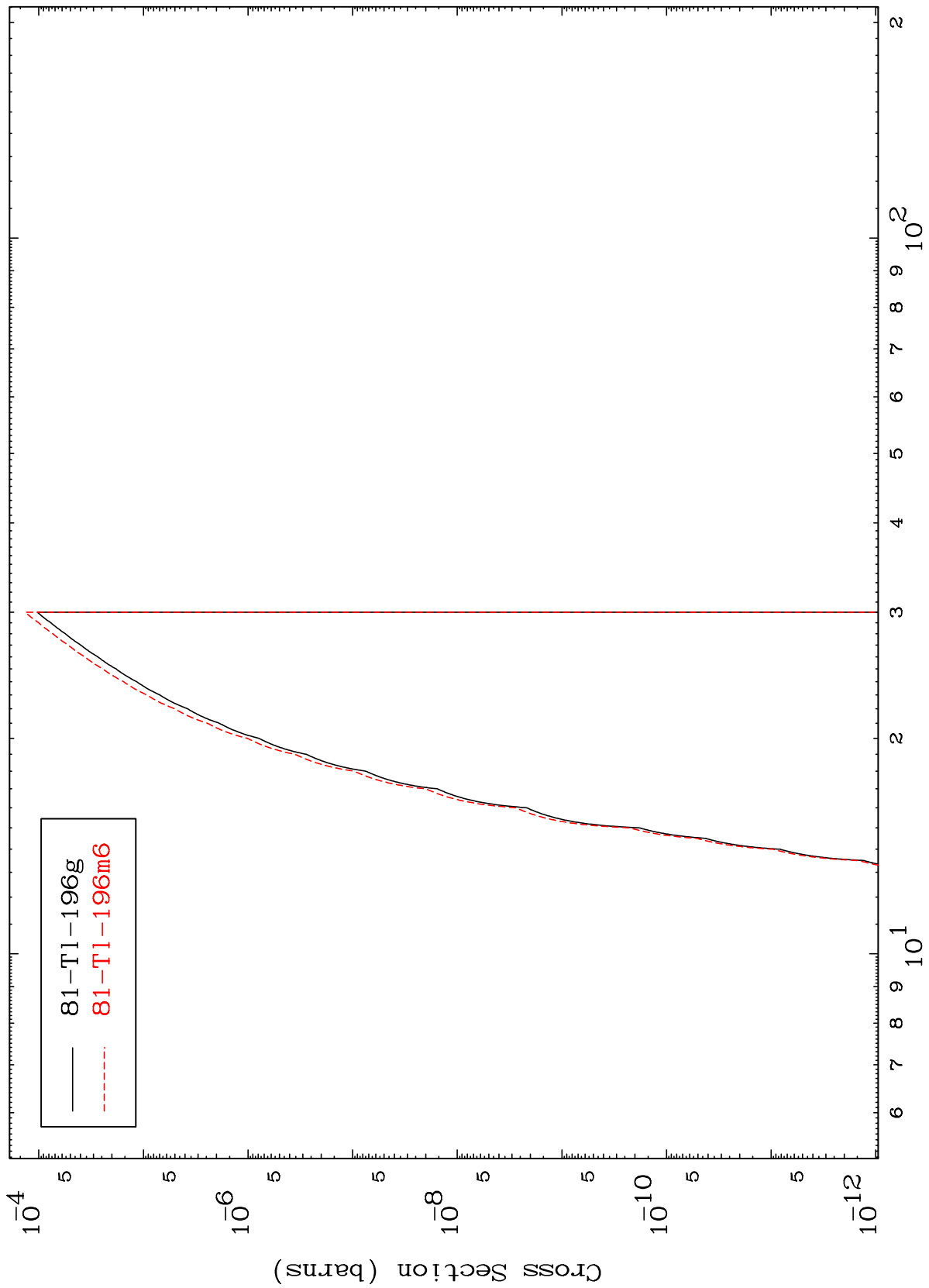
83-Bi-198

MAT 8294

(n,2n) p

83-Bi-198

Radionuclide Production Cross Section

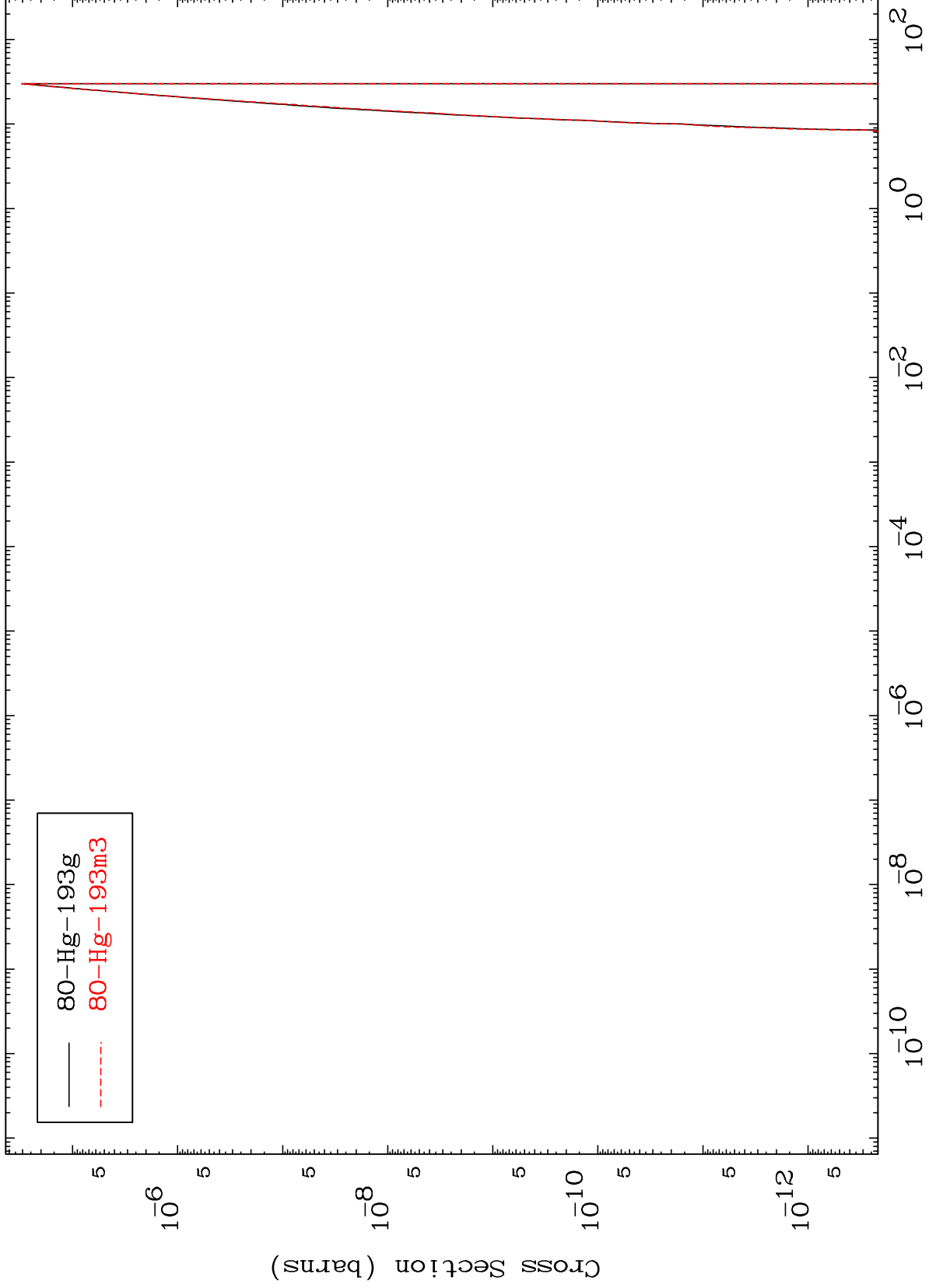


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(n,n') p α

83-Bi-198

Radionuclide Production Cross Section



32

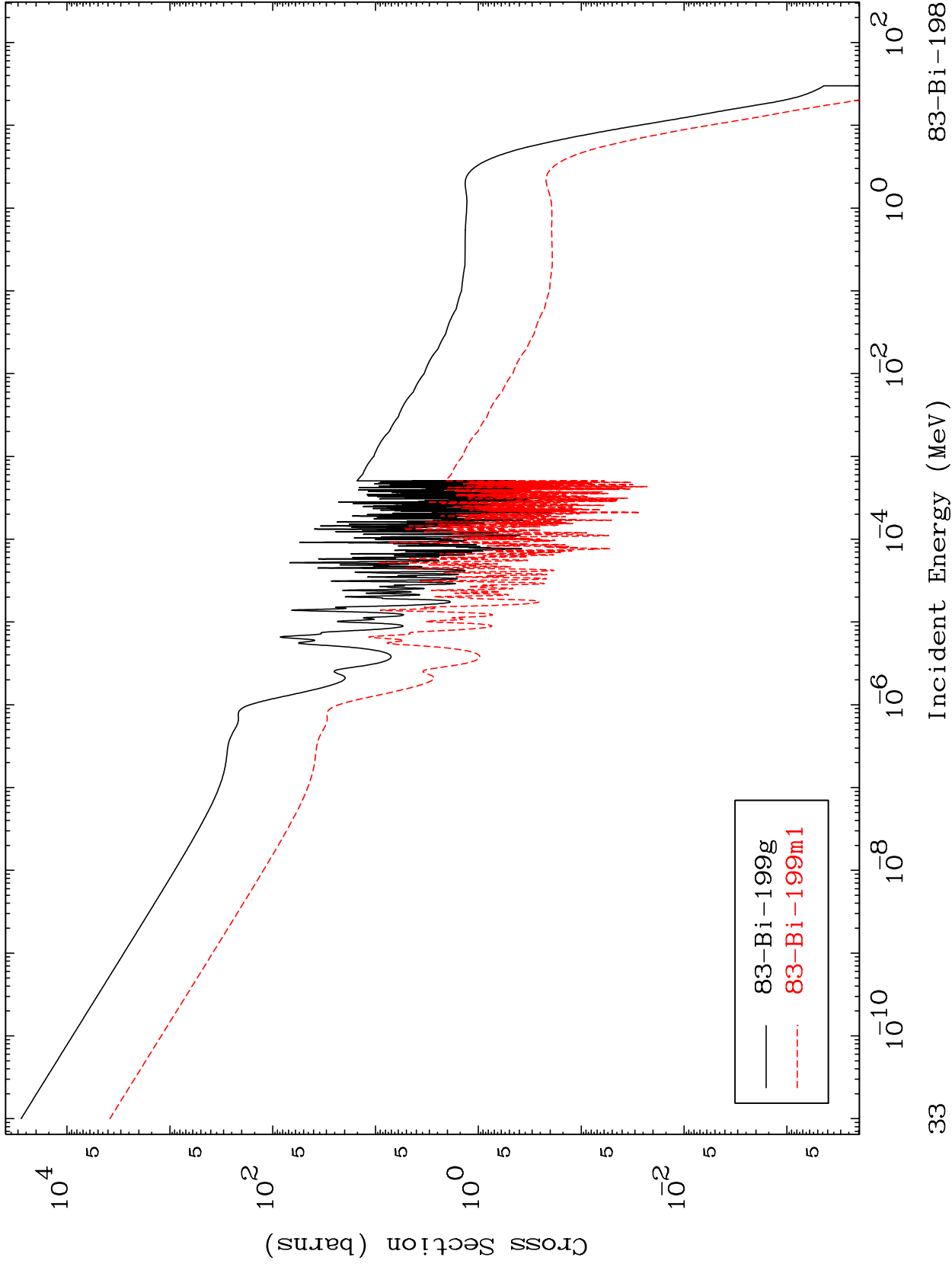
Incident Energy (MeV)

83-Bi-198

MAT 8294

83-Bi-198

(n,γ)
Radionuclide Production Cross Section



33

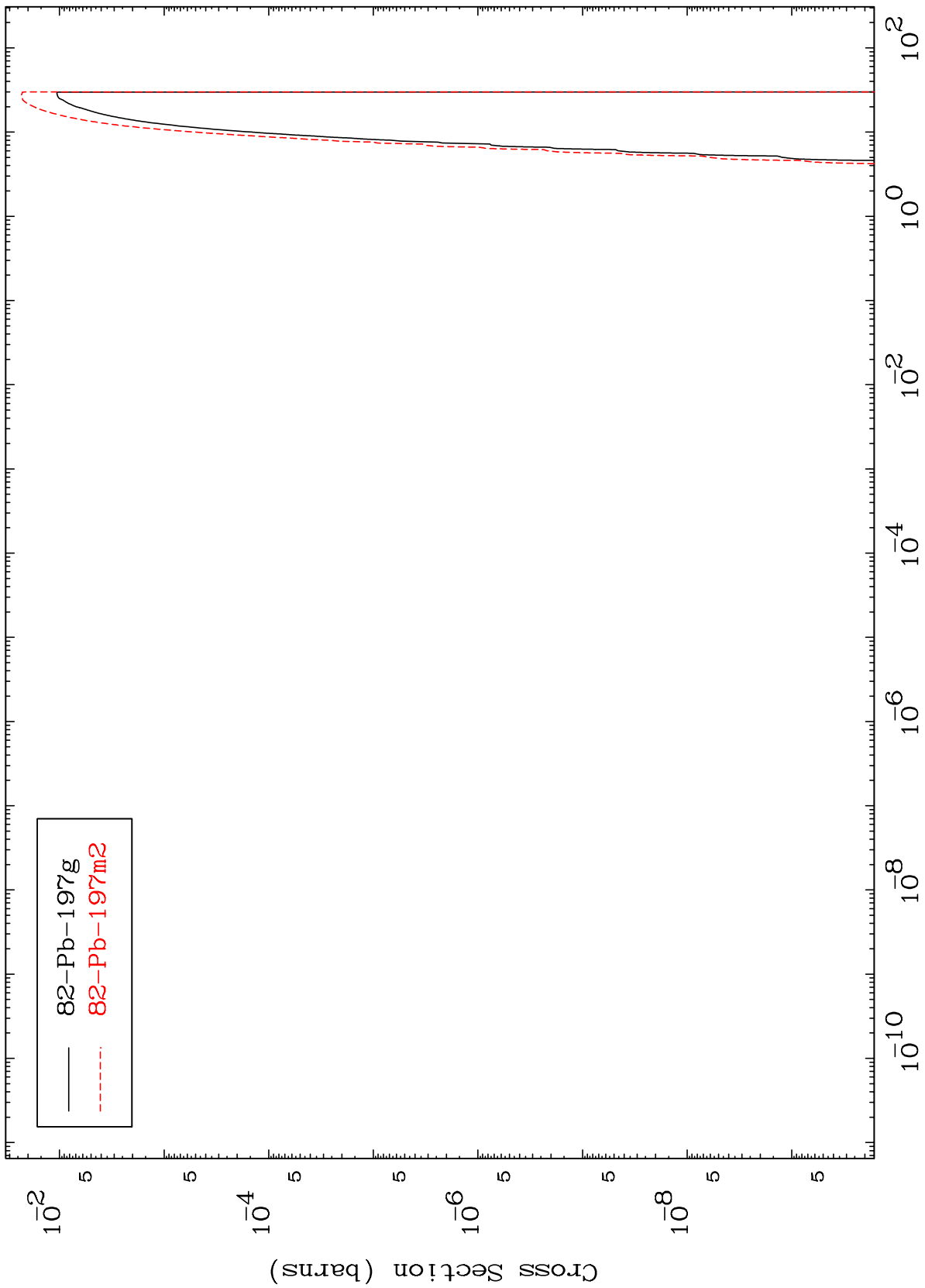
83-Bi-198

MAT 8294

(n,d)

83-Bi-198

Radionuclide Production Cross Section

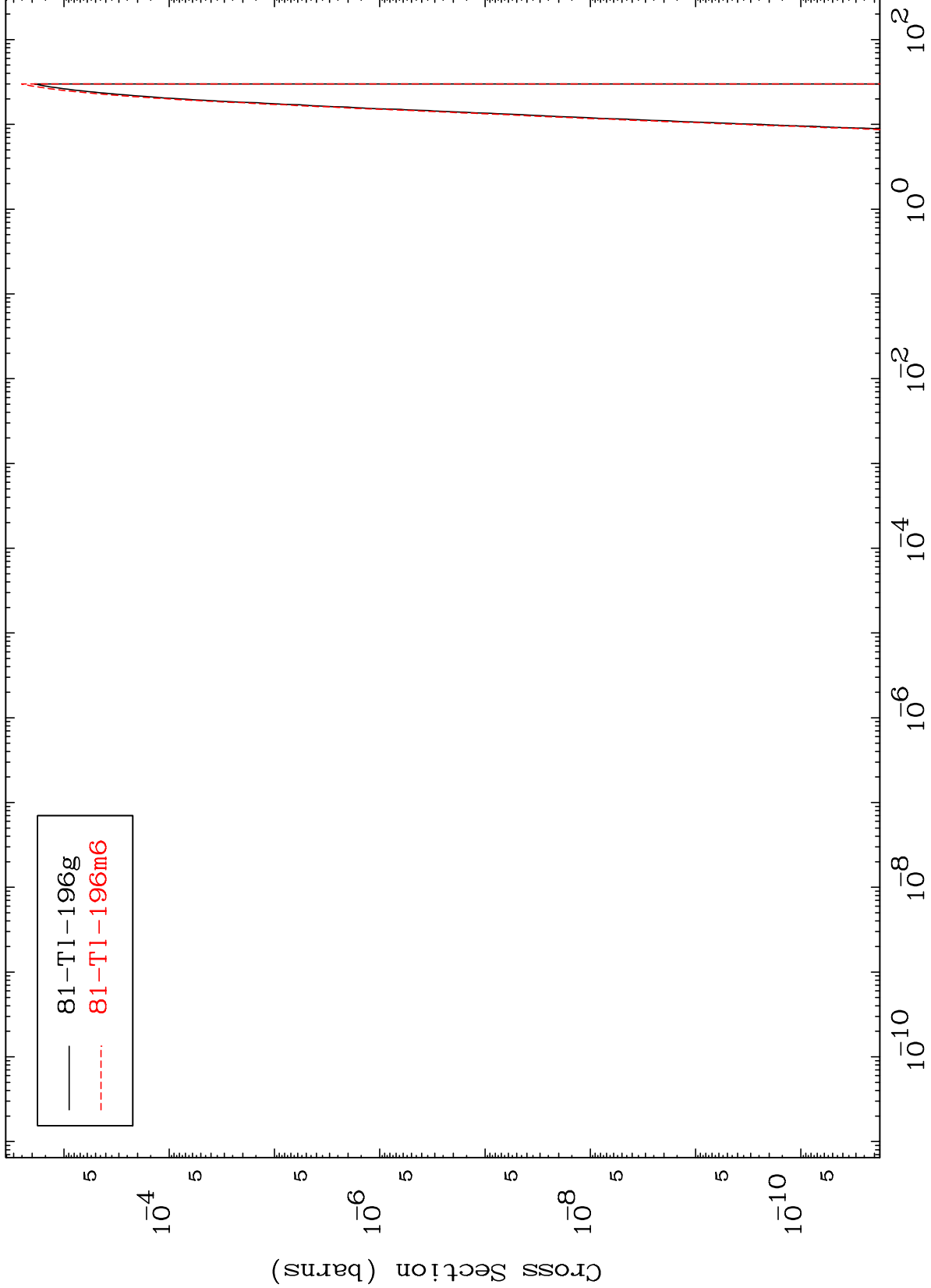


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(n,He-3)

83-Bi-198

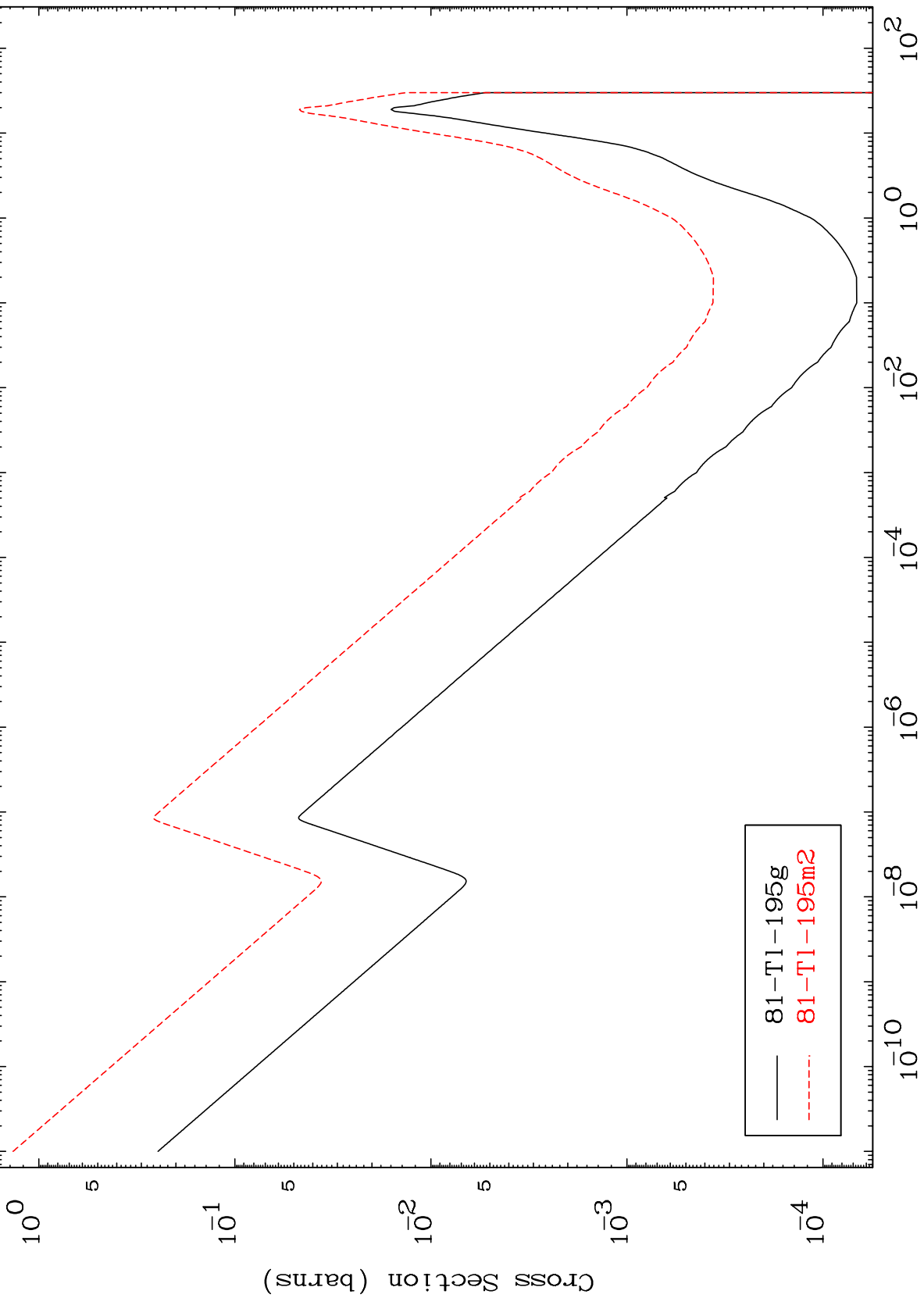
Radionuclide Production Cross Section



MAT 8294

83-Bi-198

(n, α)
Radionuclide Production Cross Section



36

83-Bi-198

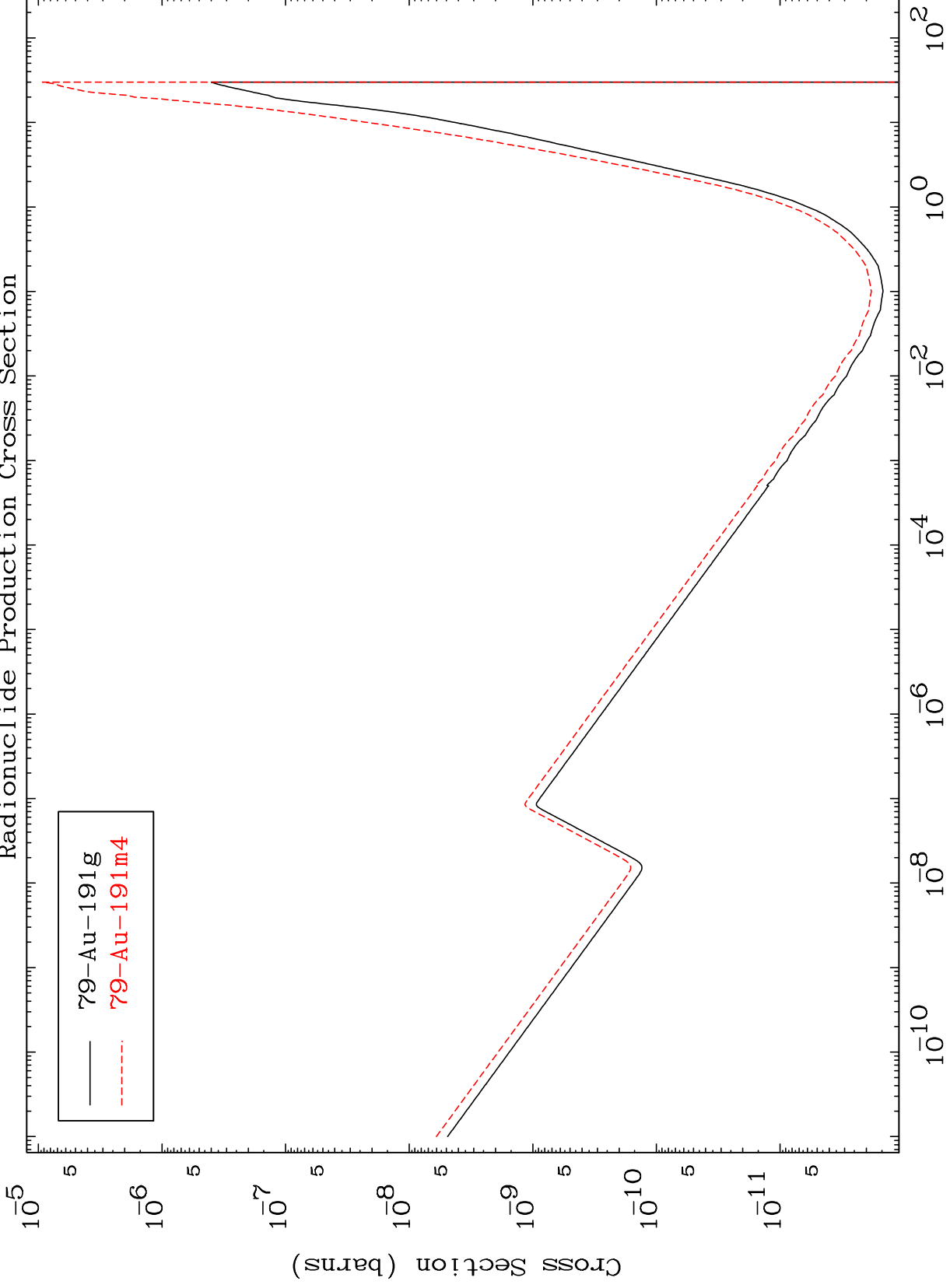
Incident Energy (MeV)

MAT 8294

(n,2α)

83-Bi-198

Radionuclide Production Cross Section

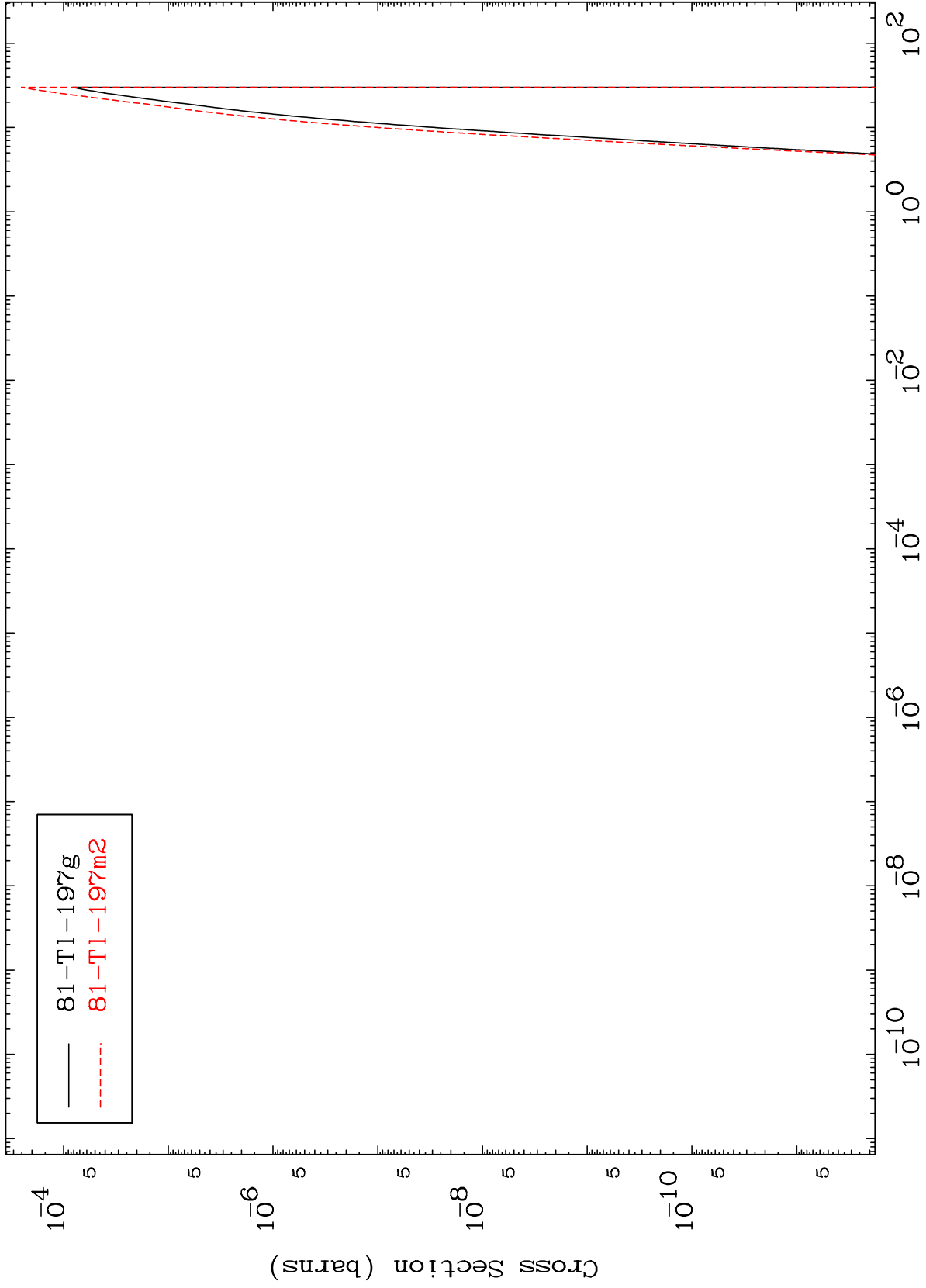


MAT 8294

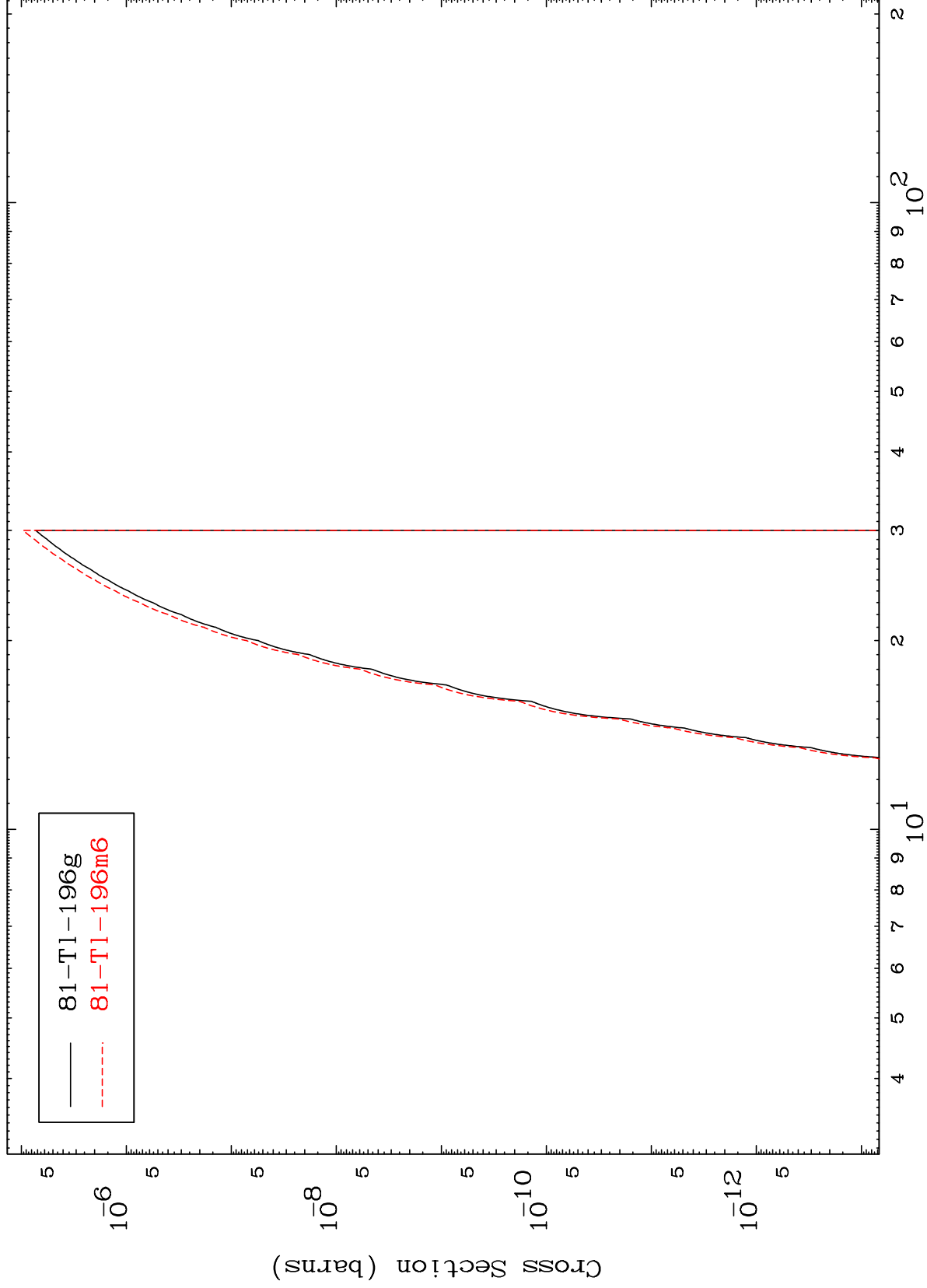
(n,2p)

83-Bi-198

Radionuclide Production Cross Section



Radionuclide Production Cross Section

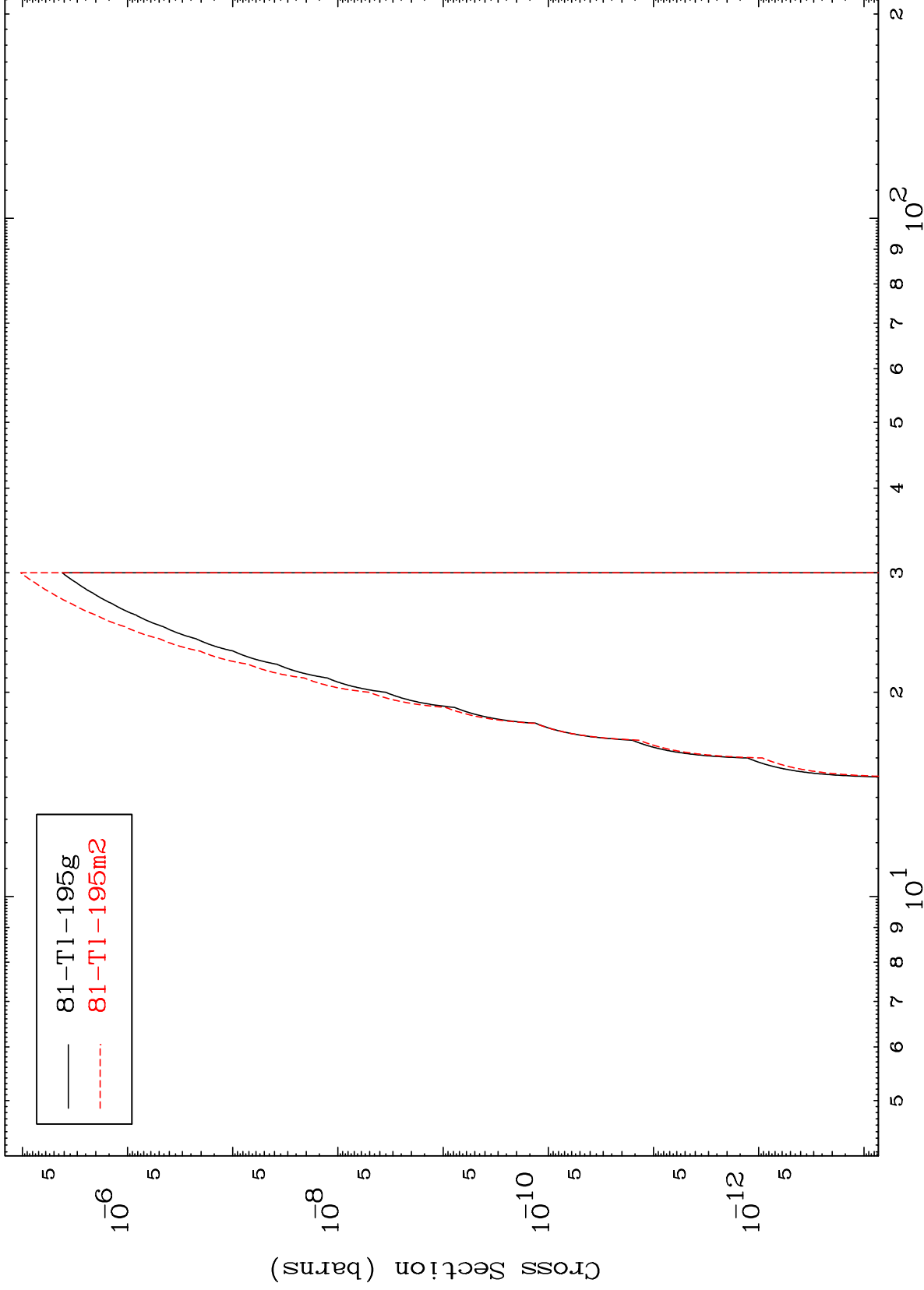


MAT 8294

(n,p) t

83-Bi-198

Radionuclide Production Cross Section



40

Incident Energy (MeV)

83-Bi-198

MAT 8294

(n,d) α

83-Bi-198

Radionuclide Production Cross Section

