

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

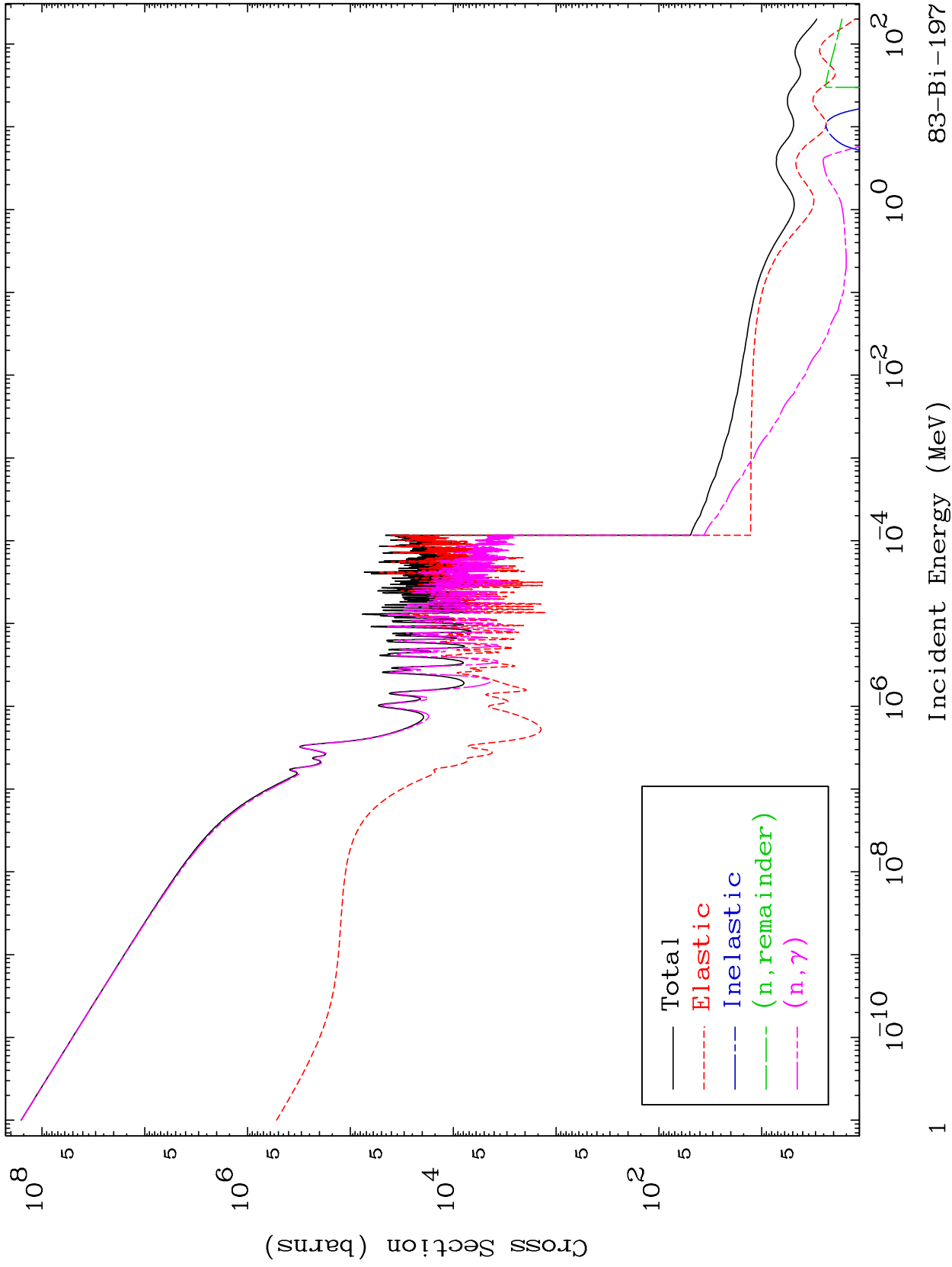
Press Mouse Button to Start

MAT 8289

Major

293 Kelvin Cross Sections

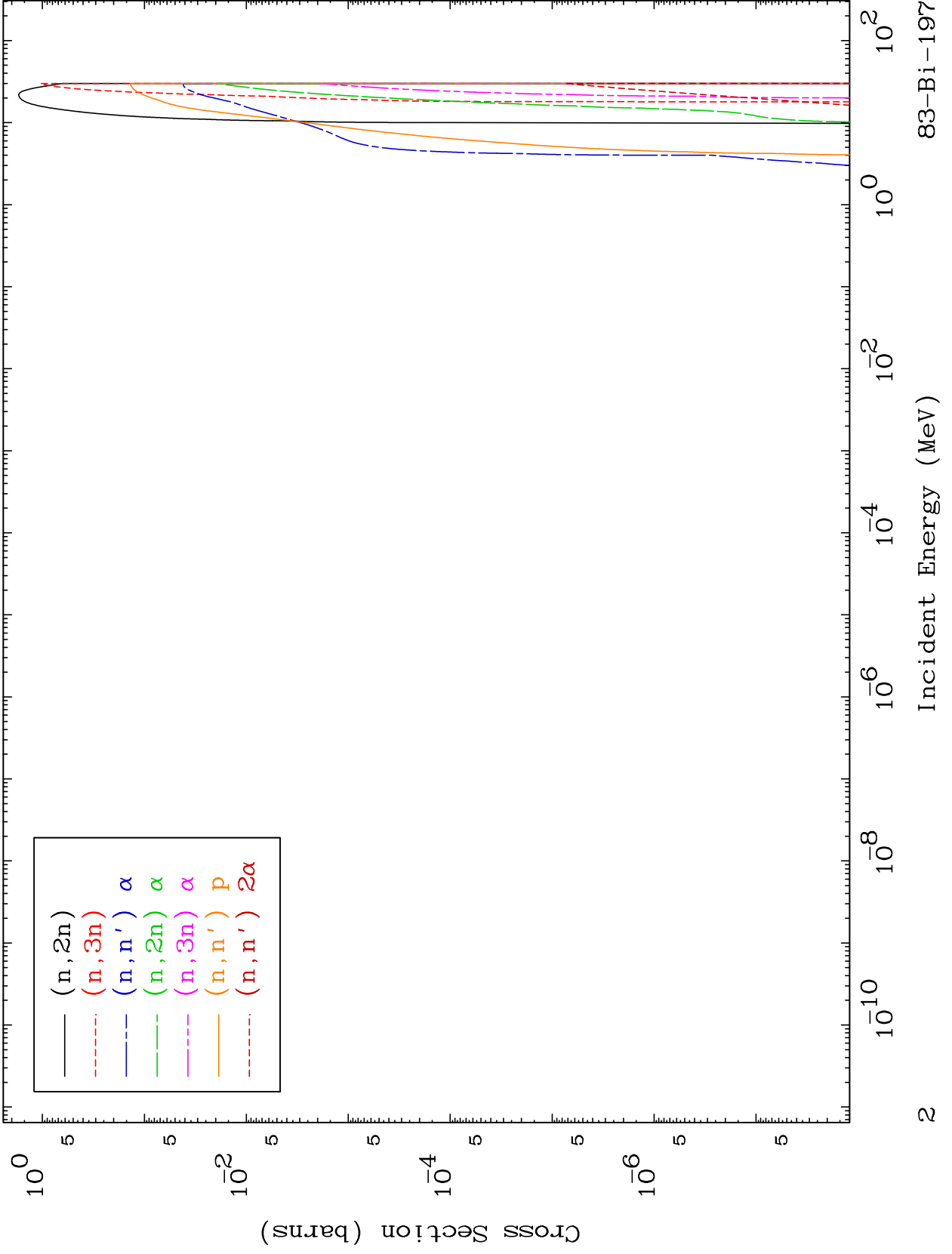
83-Bi-197



MAT 8289

Neutron Production
293 Kelvin Cross Sections

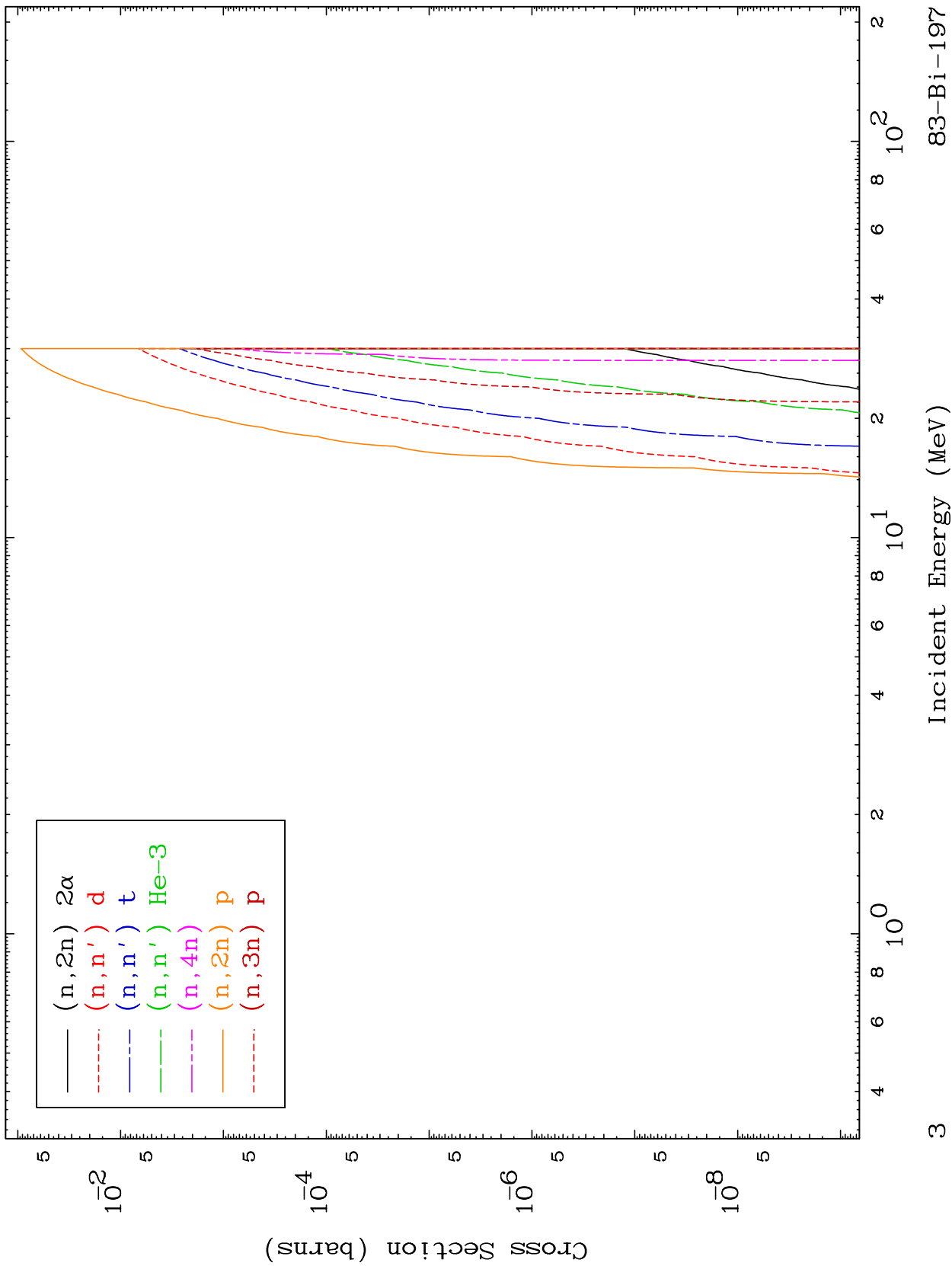
83-Bi-197



MAT 8289

Neutron Production
293 Kelvin Cross Sections

83-Bi-197



83-Bi-197

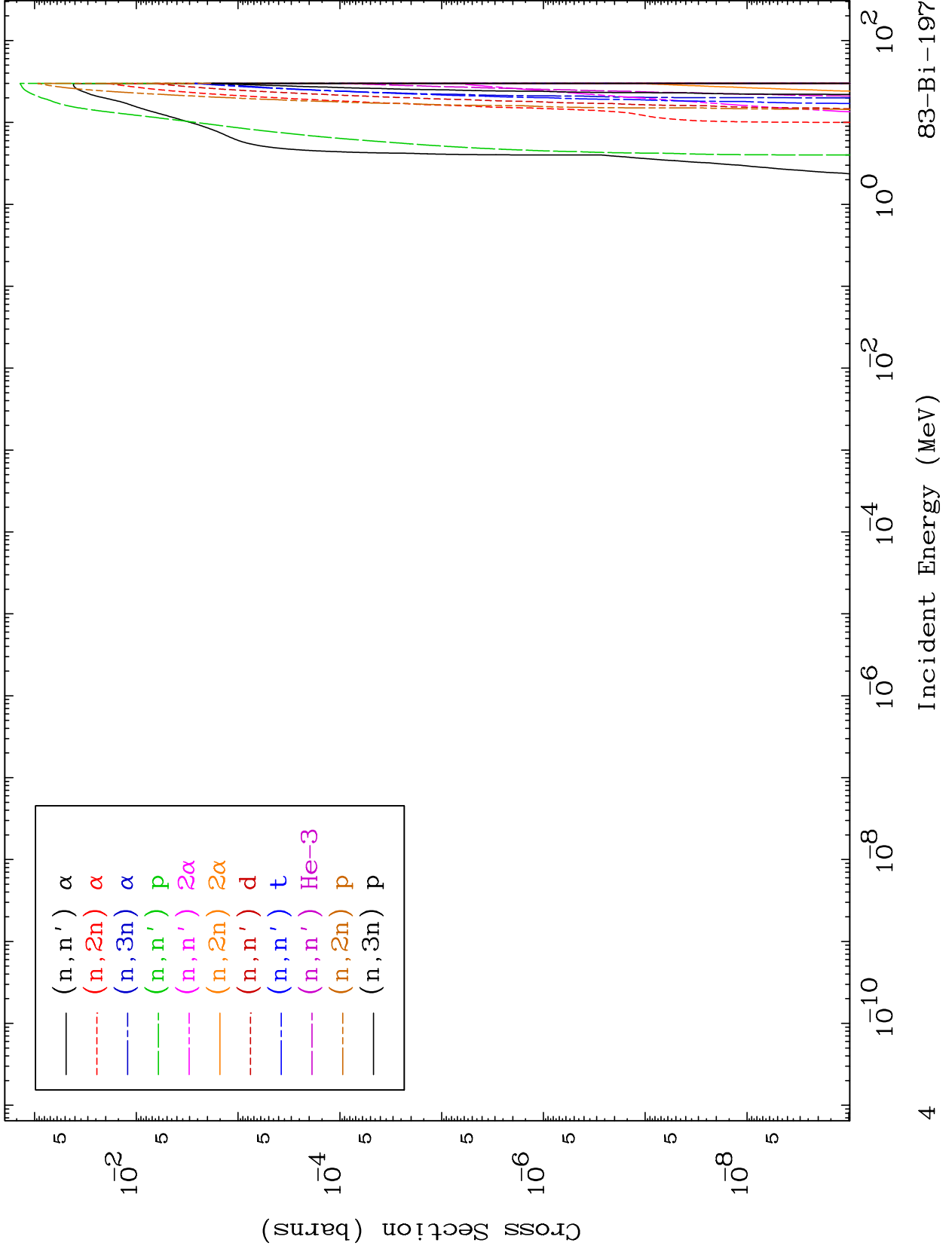
Incident Energy (MeV)

3

MAT 8289

Charged Particle
293 Kelvin Cross Sections

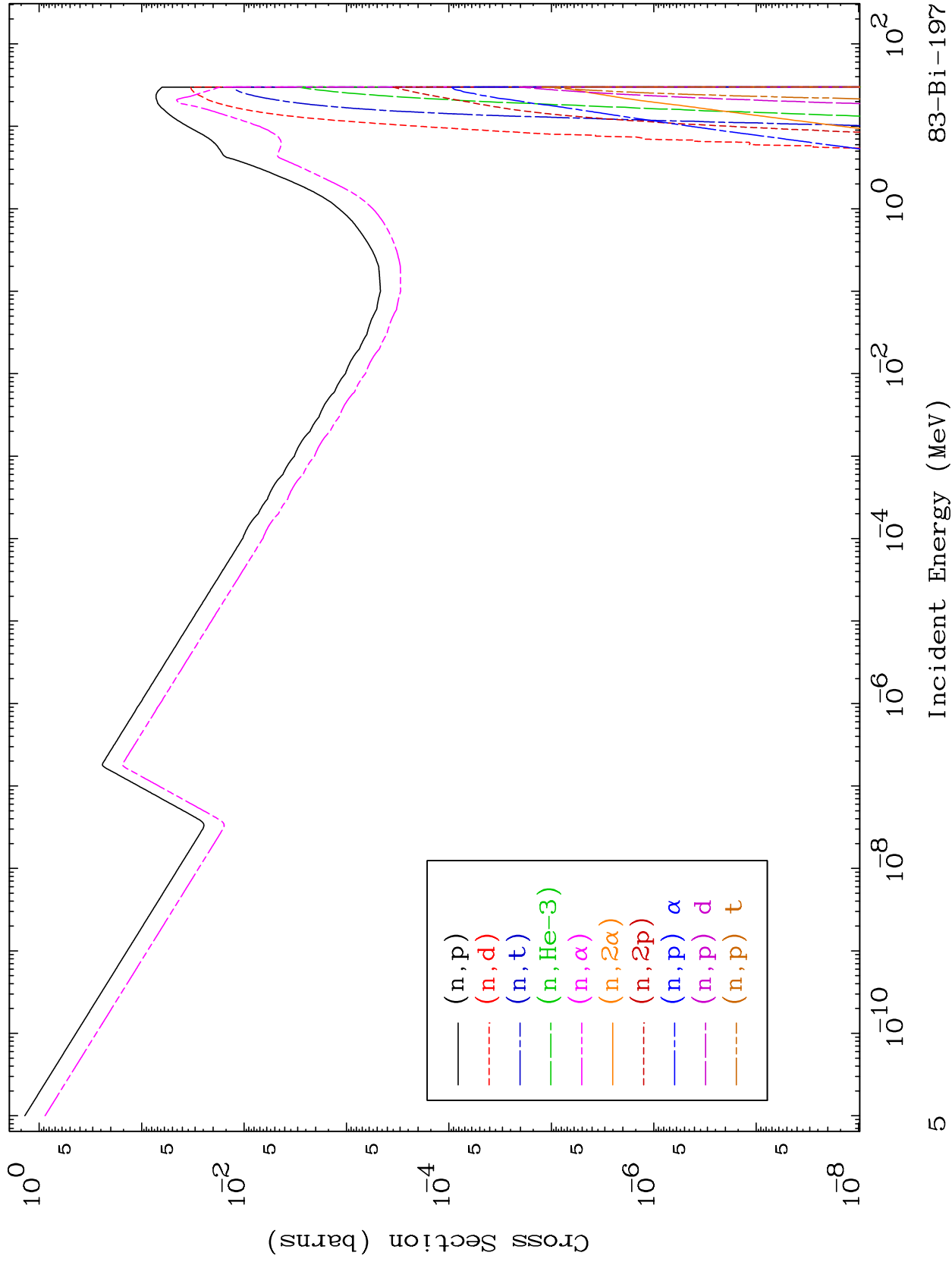
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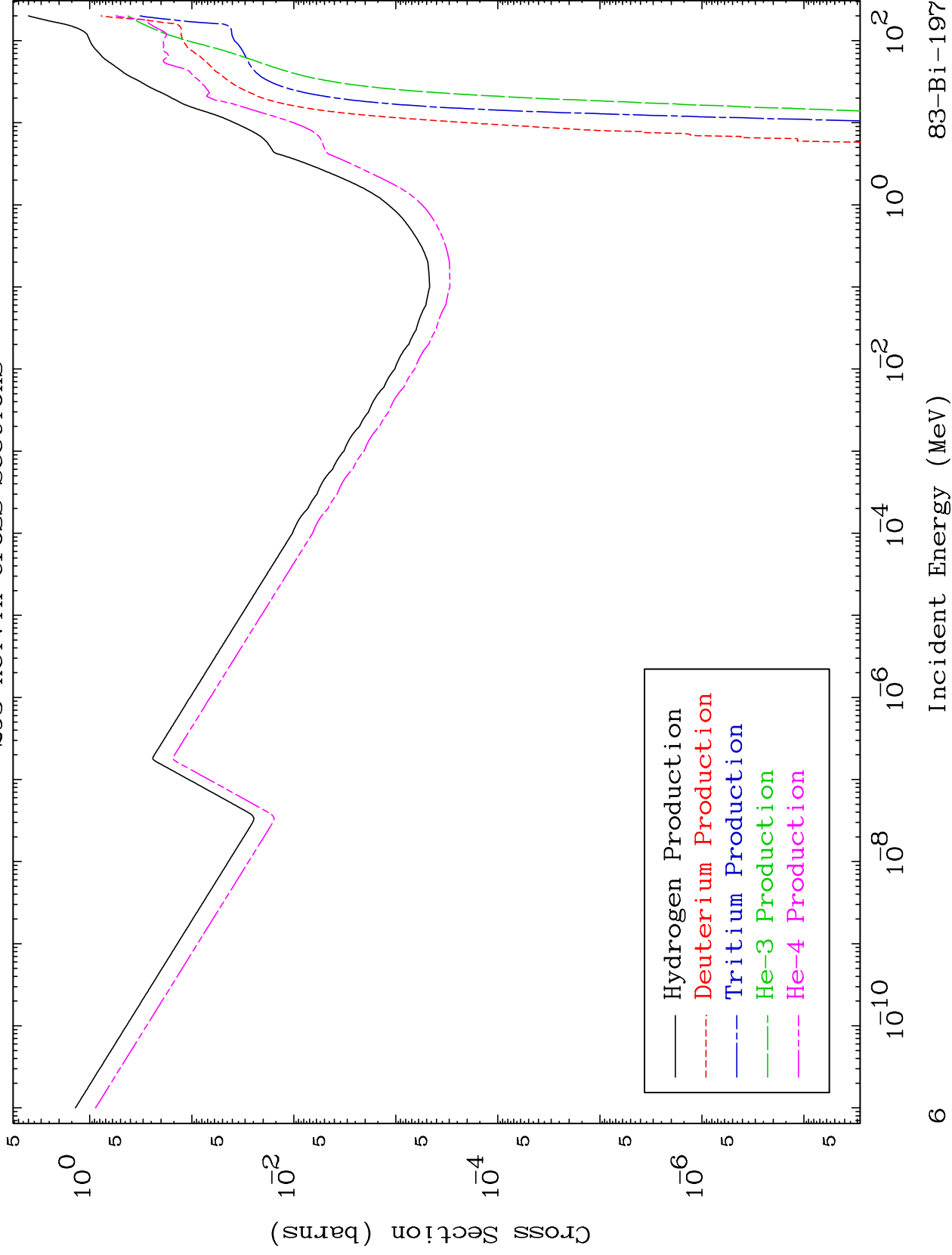


MAT 8289

Charged Particle
293 Kelvin Cross Sections

83-Bi-197

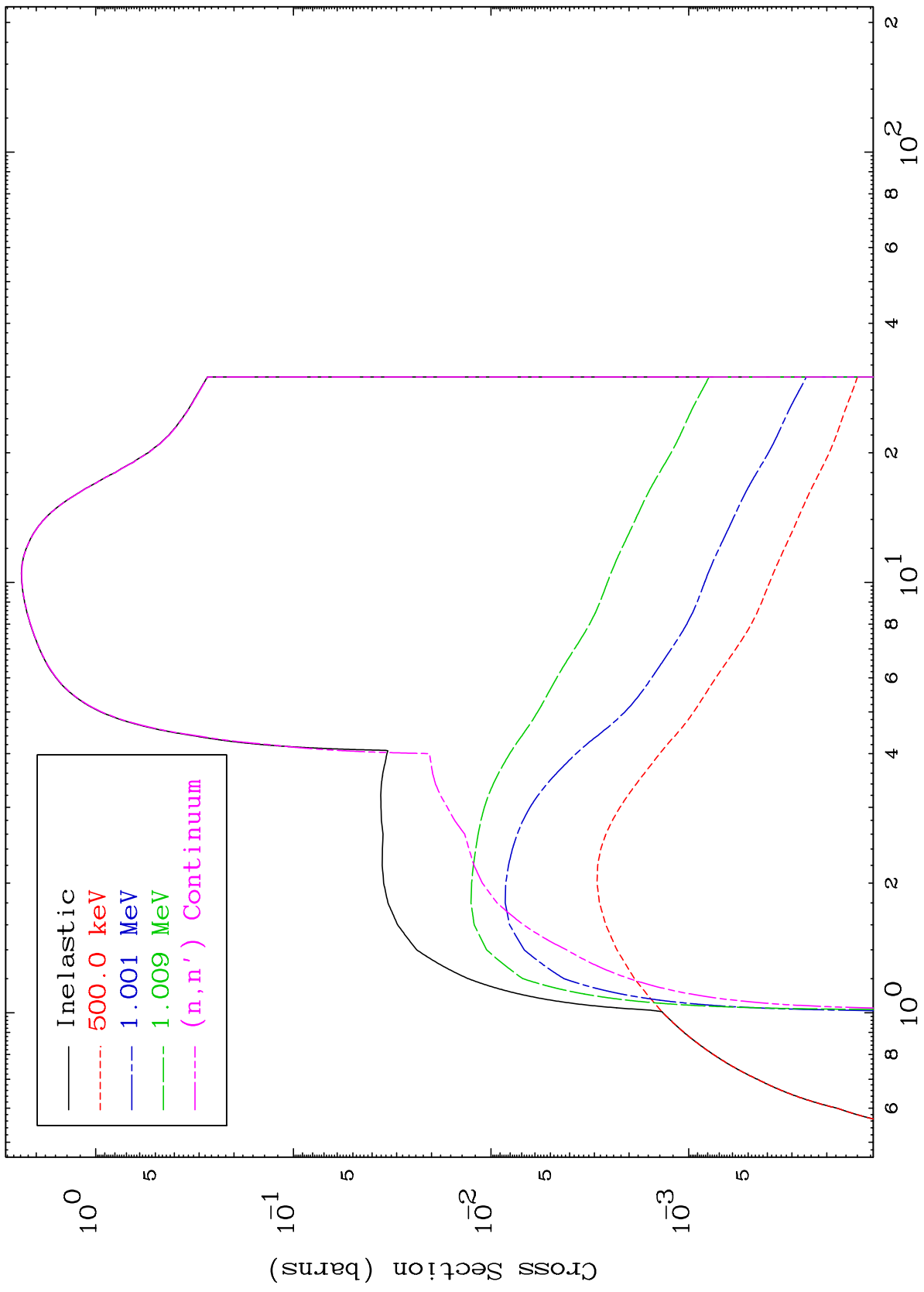




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(n,n') Level
293 Kelvin Cross Sections

83-Bi-197



7

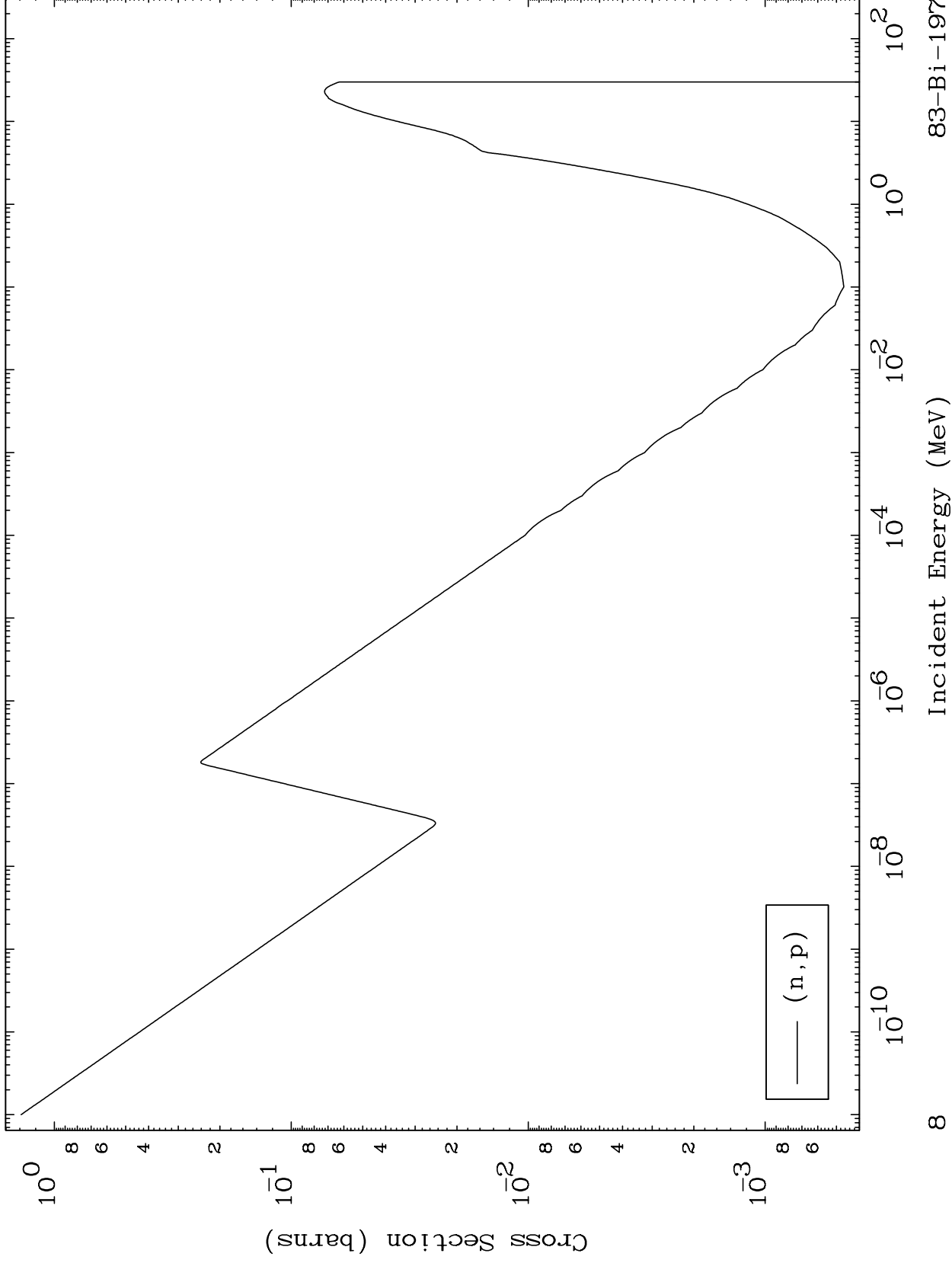
Incident Energy (MeV)

83-Bi-197

MAT 8289

(n,p) Levels
293 Kelvin Cross Sections

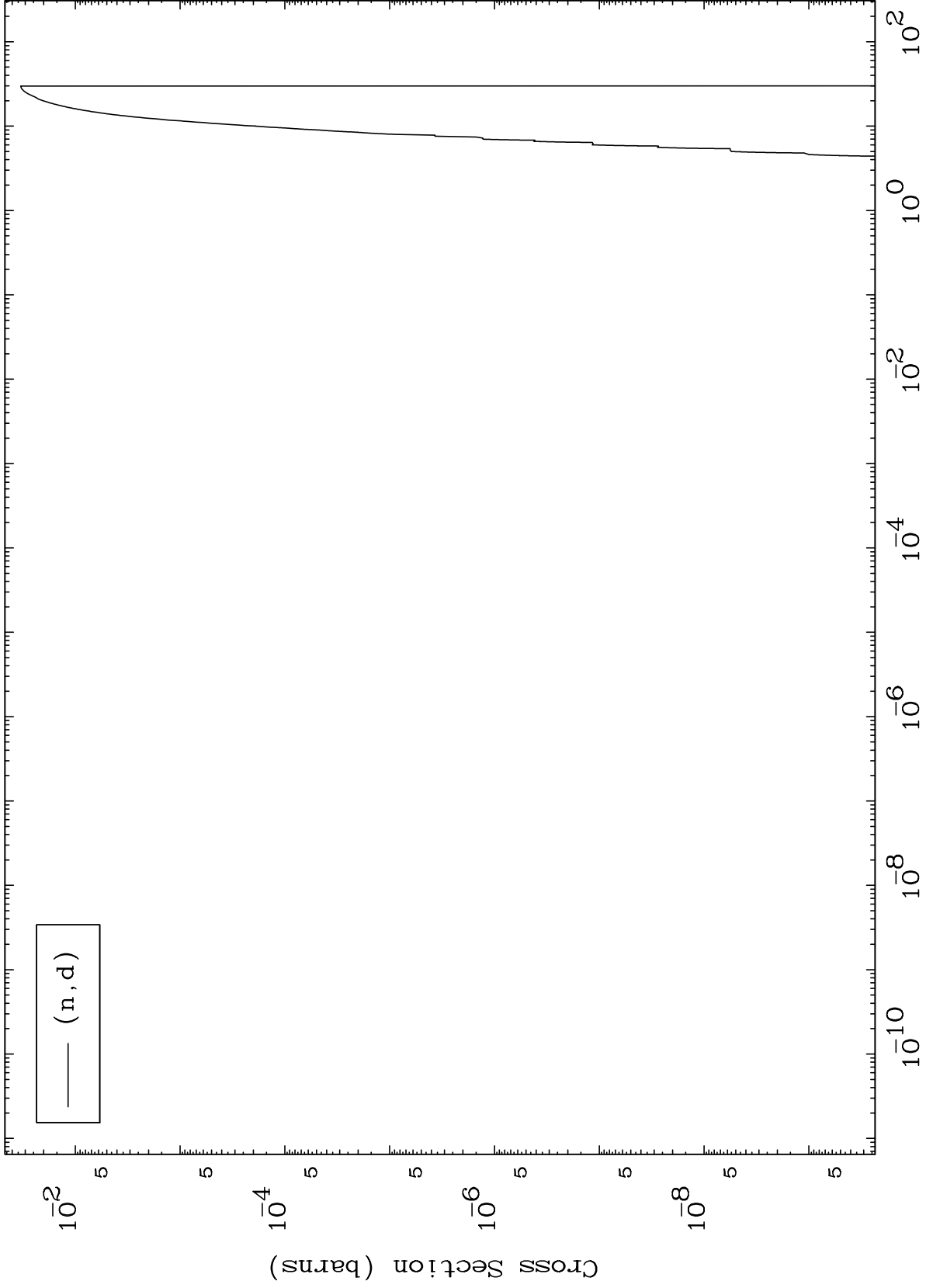
83-Bi-197



MAT 8289

(n,d) Levels
293 Kelvin Cross Sections

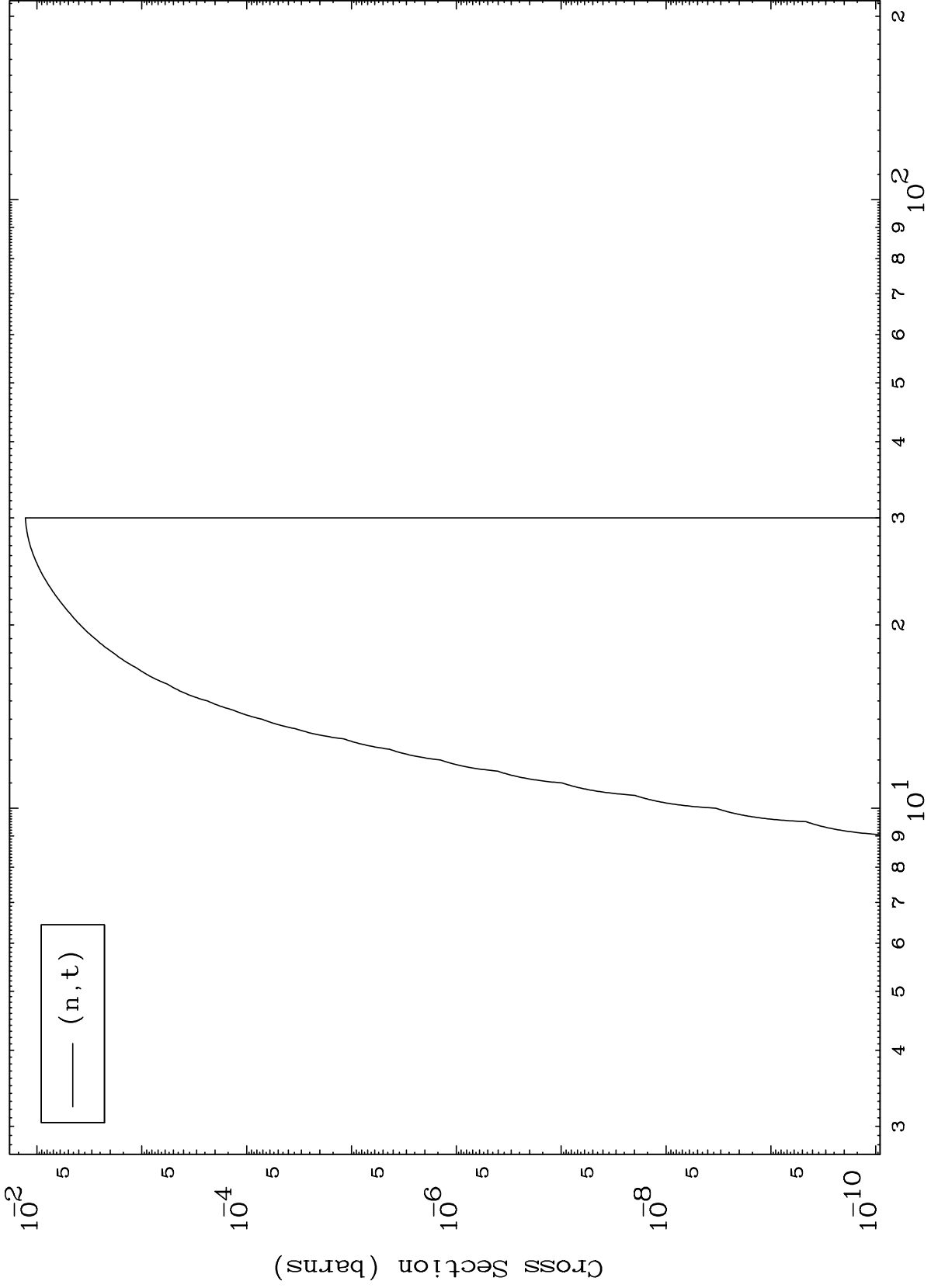
83-Bi-197



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(n,t) Levels
293 Kelvin Cross Sections

83-Bi-197



10

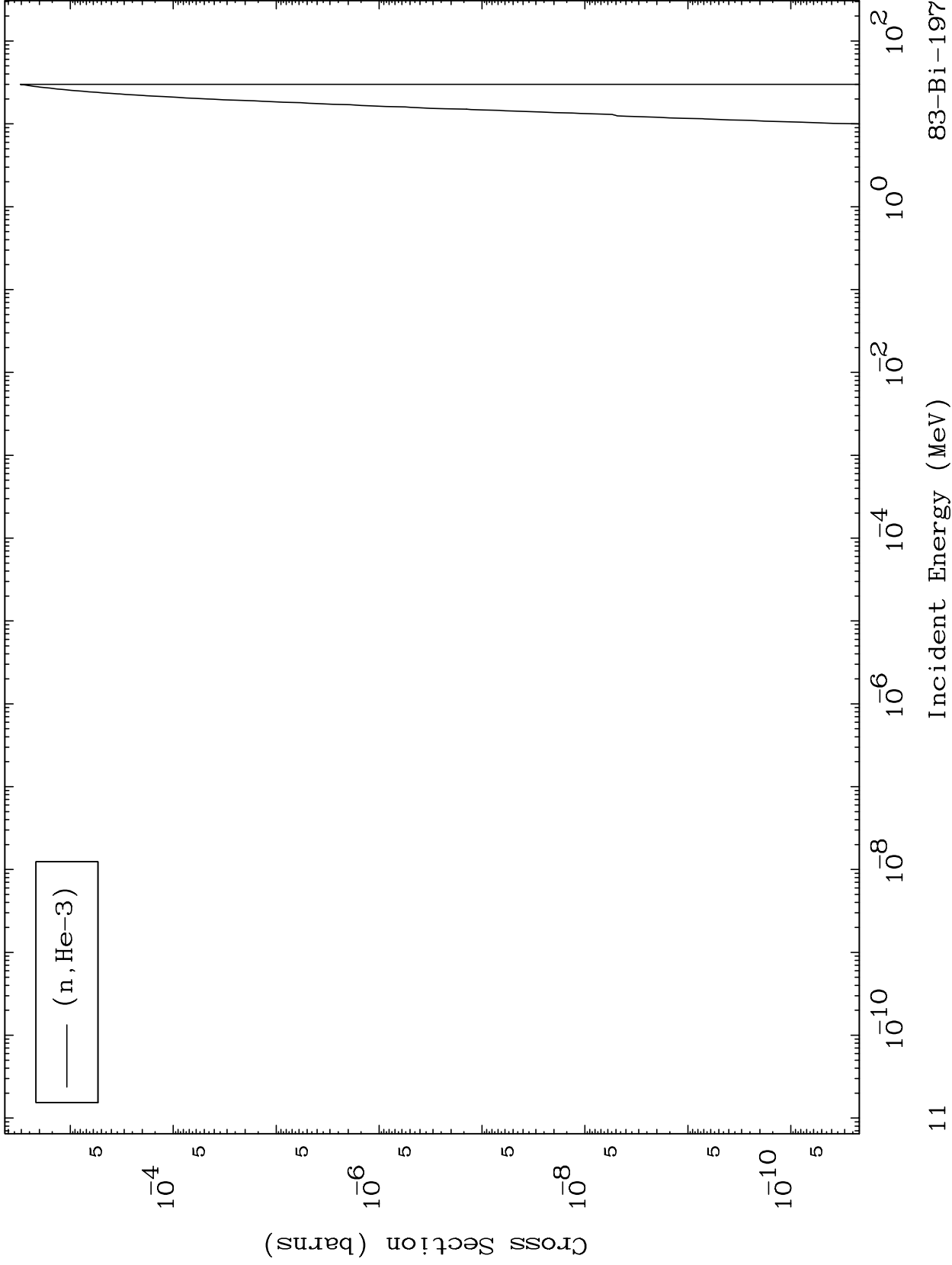
Incident Energy (MeV)

83-Bi-197

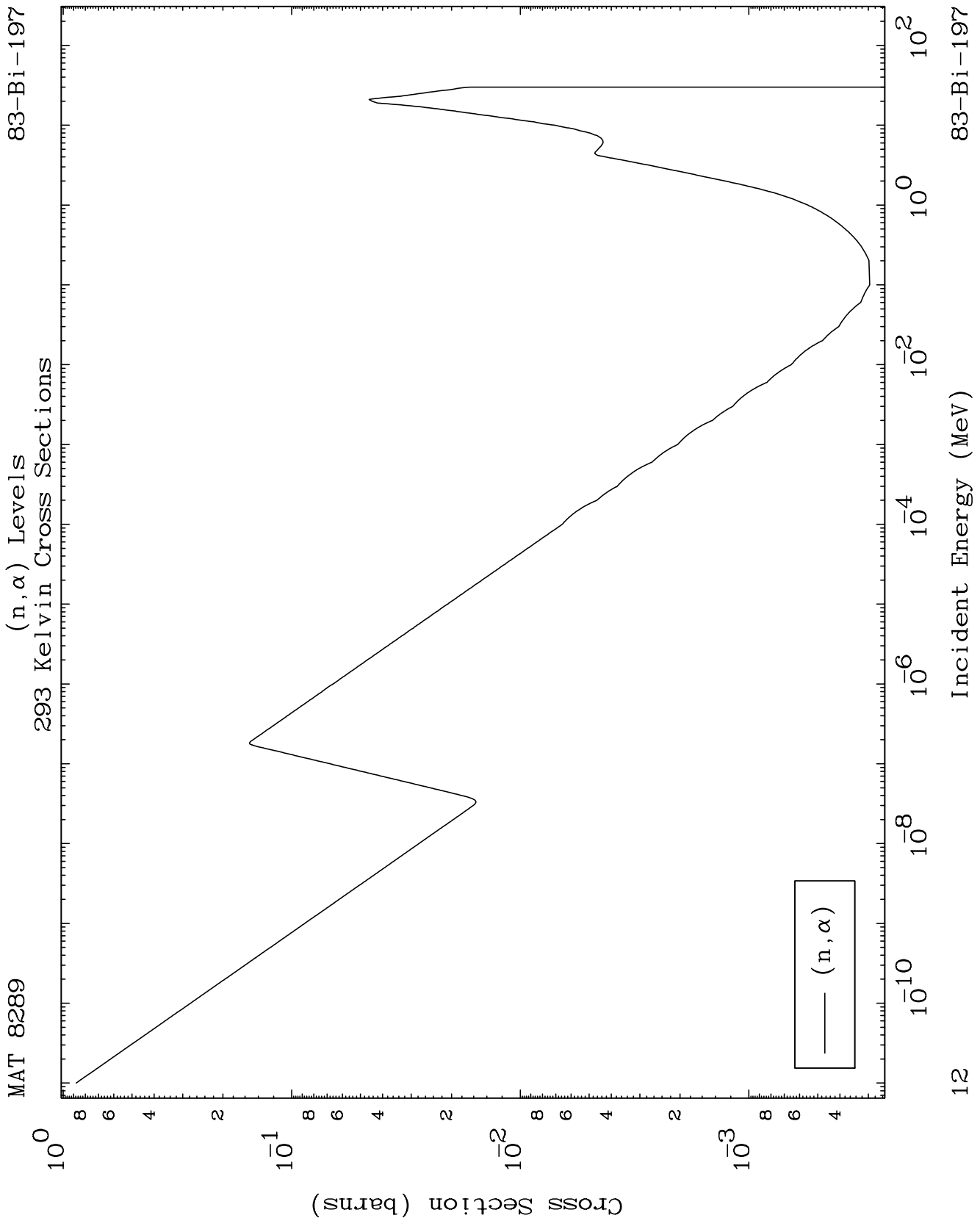
MAT 8289

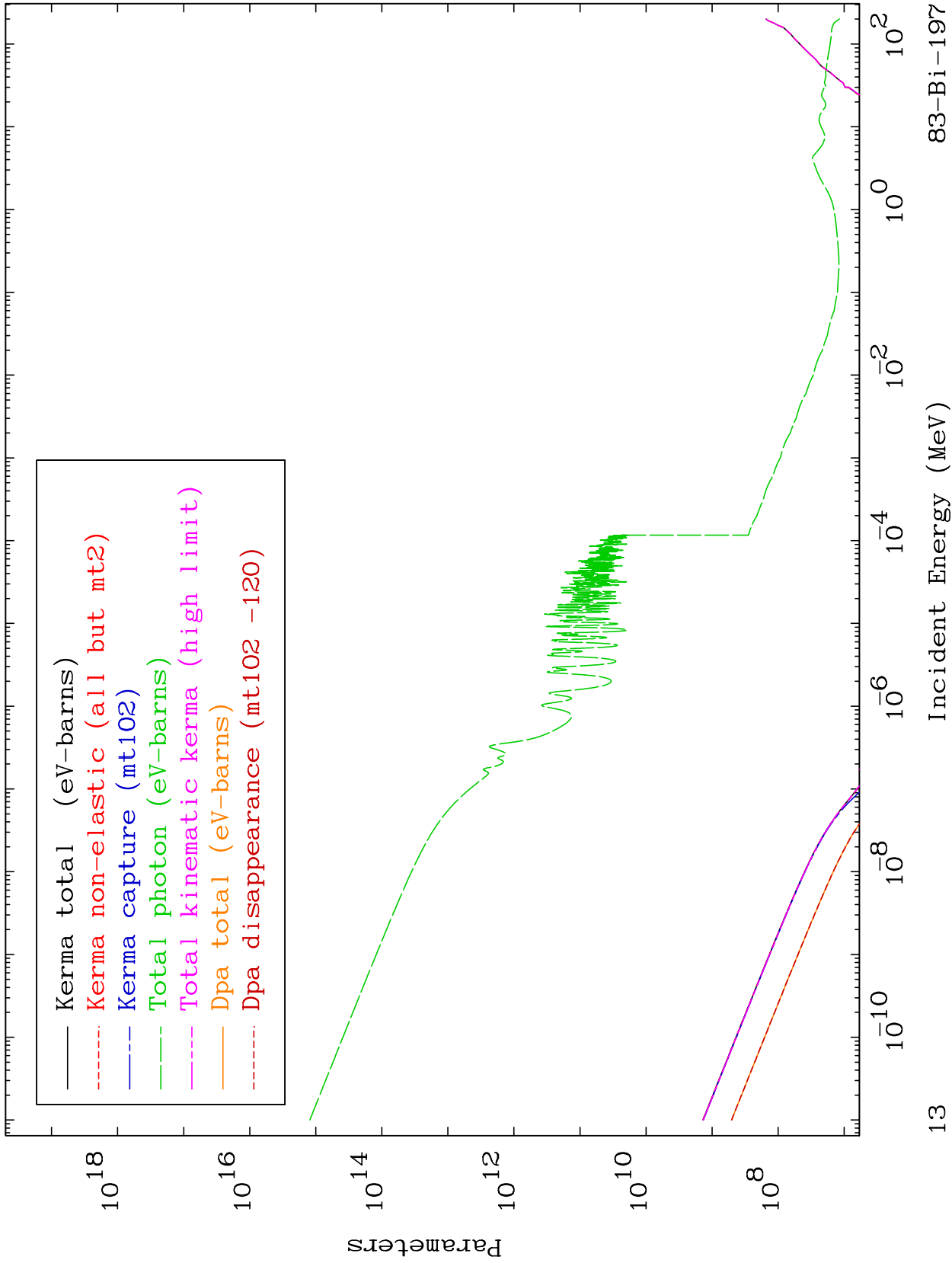
(n,He3) Levels
293 Kelvin Cross Sections

83-Bi-197



83-Bi-197

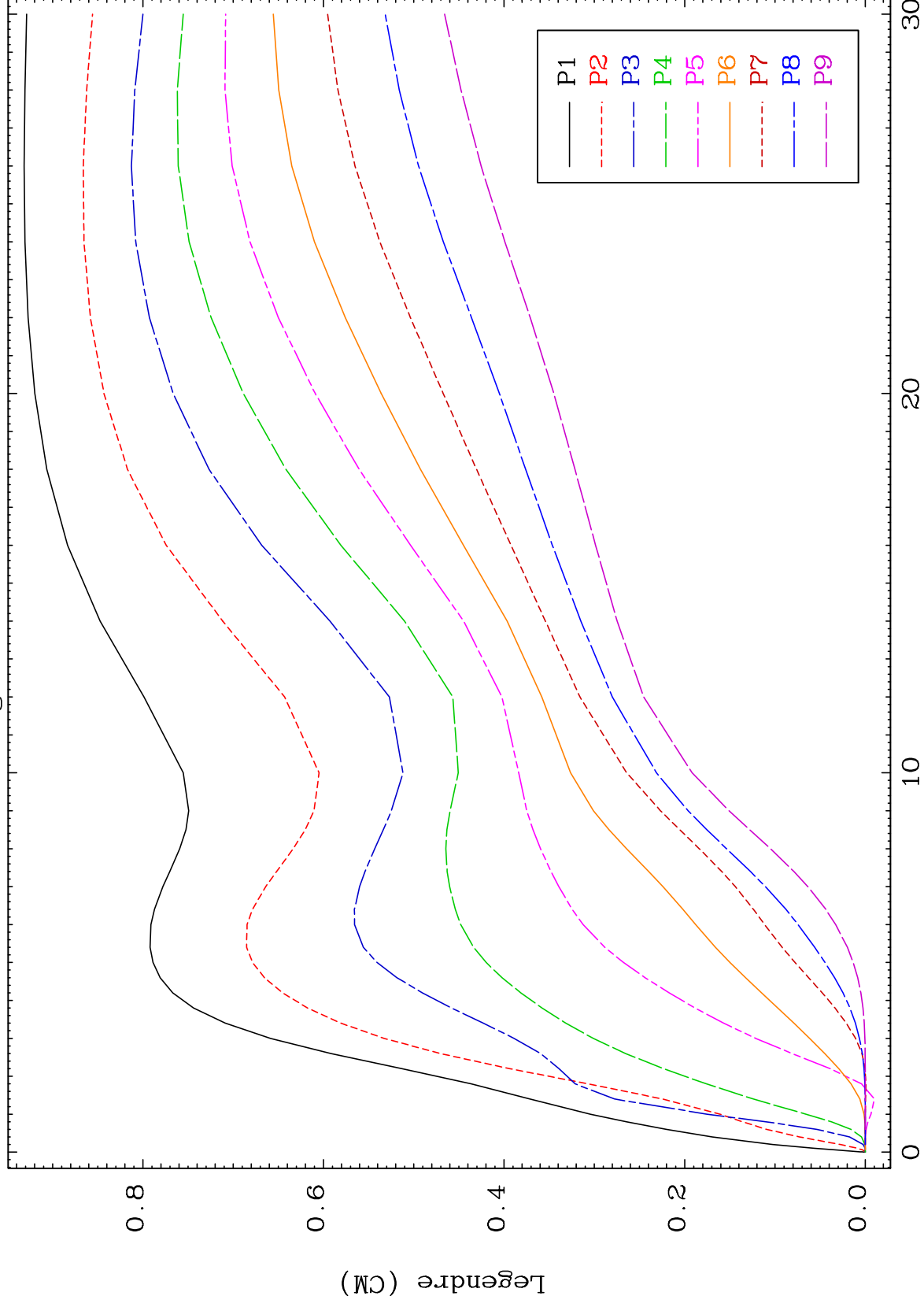




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83-Bi-197

Elastic Legendre Coefficients



14

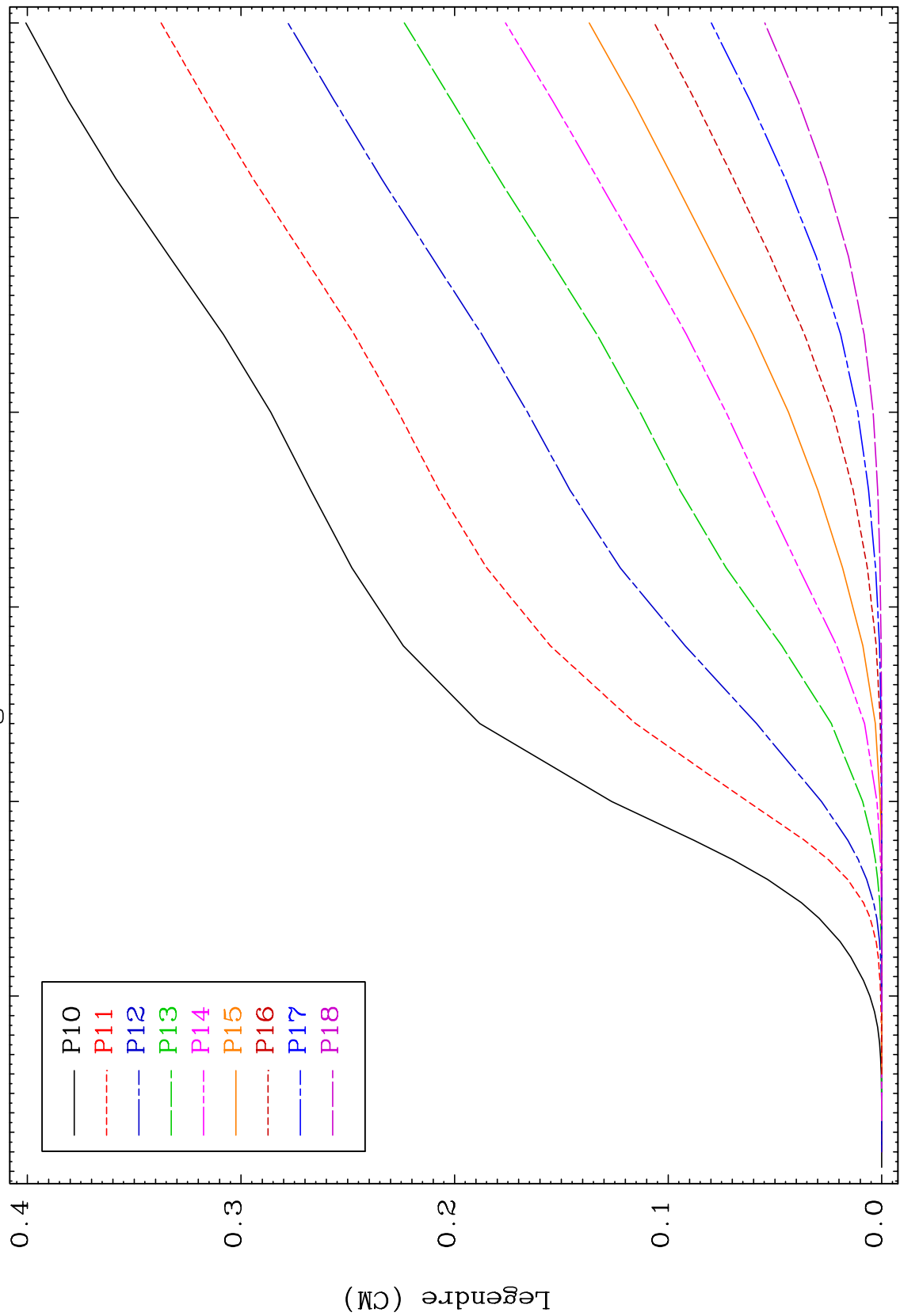
Incident Energy (MeV)

83-Bi-197

MAT 8289

Elastic Legendre Coefficients

⁸³Bi-197



15

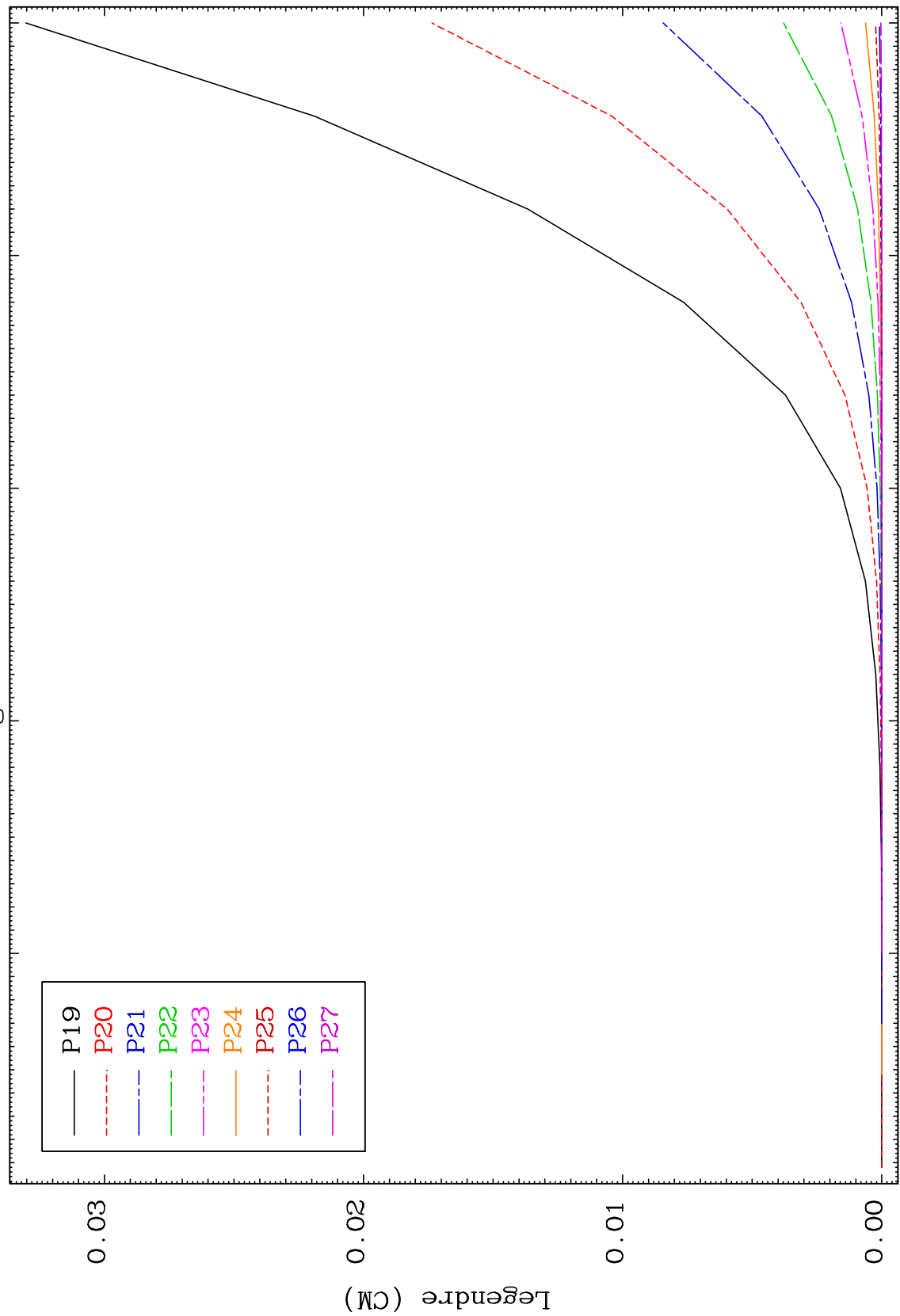
Incident Energy (MeV)

⁸³Bi-197

MAT 8289

Elastic Legendre Coefficients

83-Bi-197



16

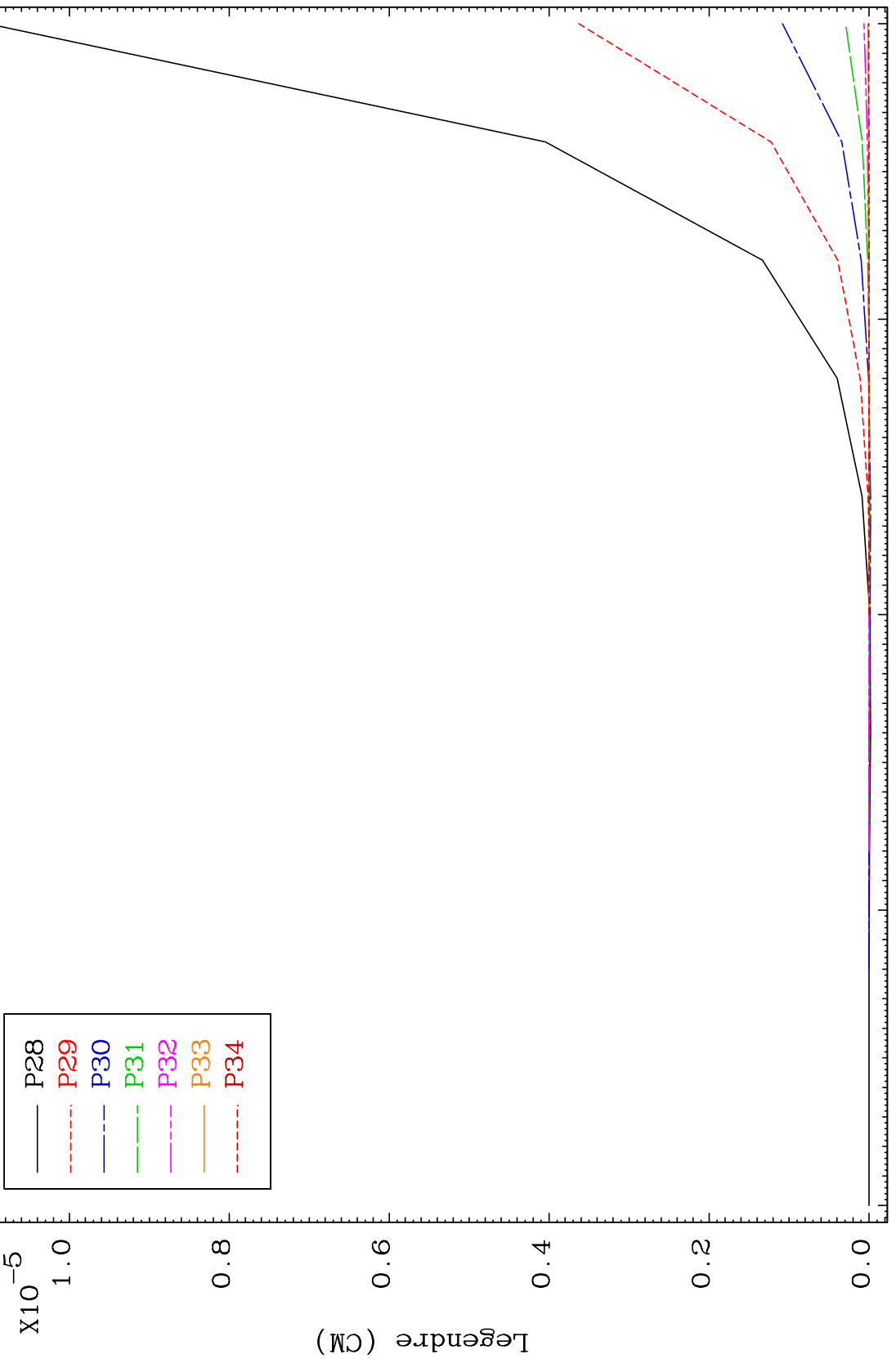
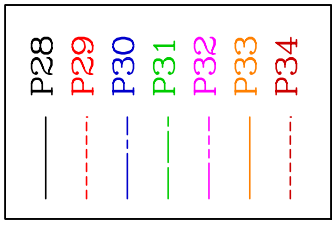
Incident Energy (MeV)

83-Bi-197

MAT 8289

Elastic Legendre Coefficients

83-Bi-197



17

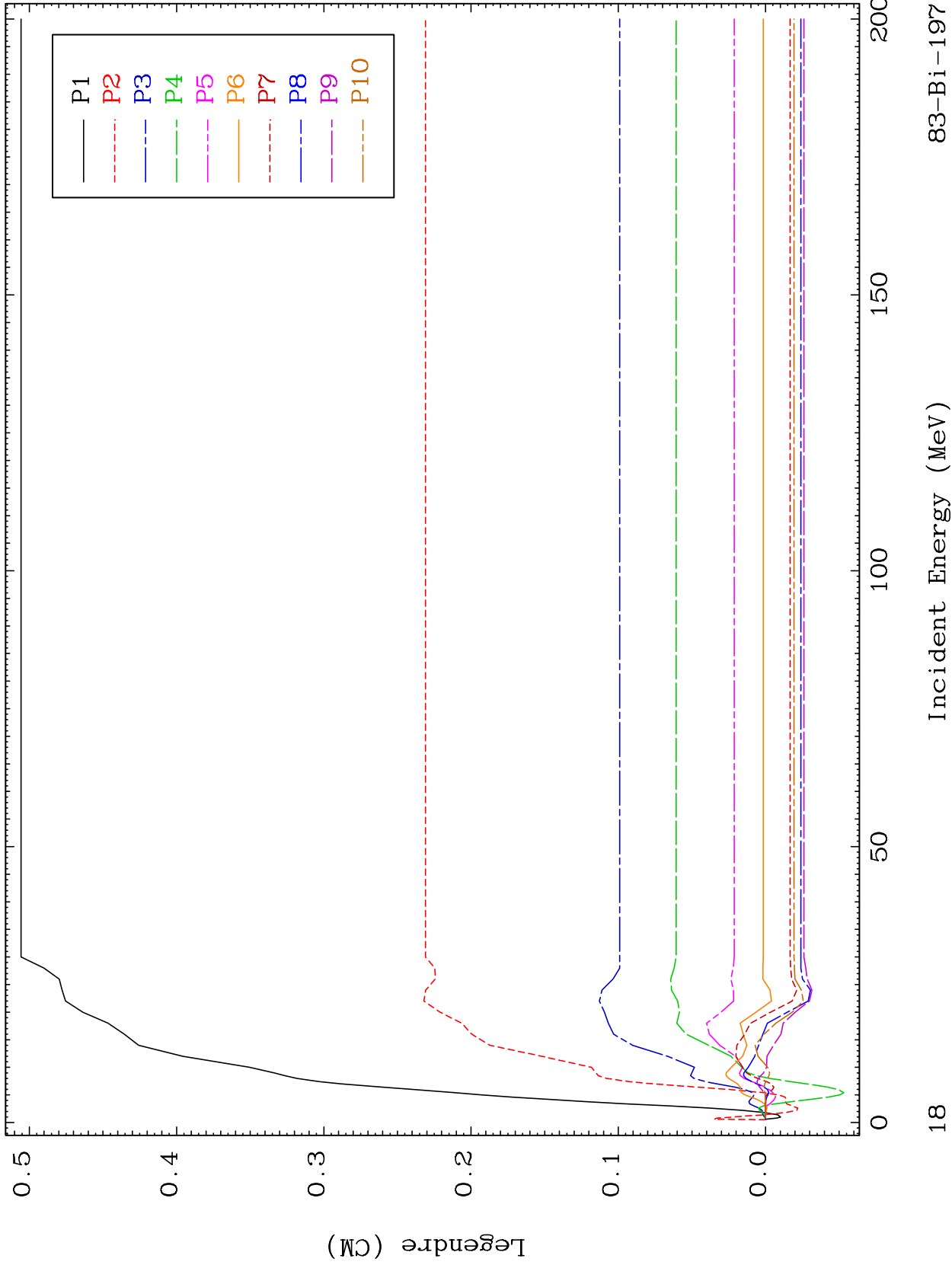
Incident Energy (MeV)

83-Bi-197

MAT 8289

500.0 keV (n,n') Level
Legendre Coefficients

83-Bi-197



83-Bi-197

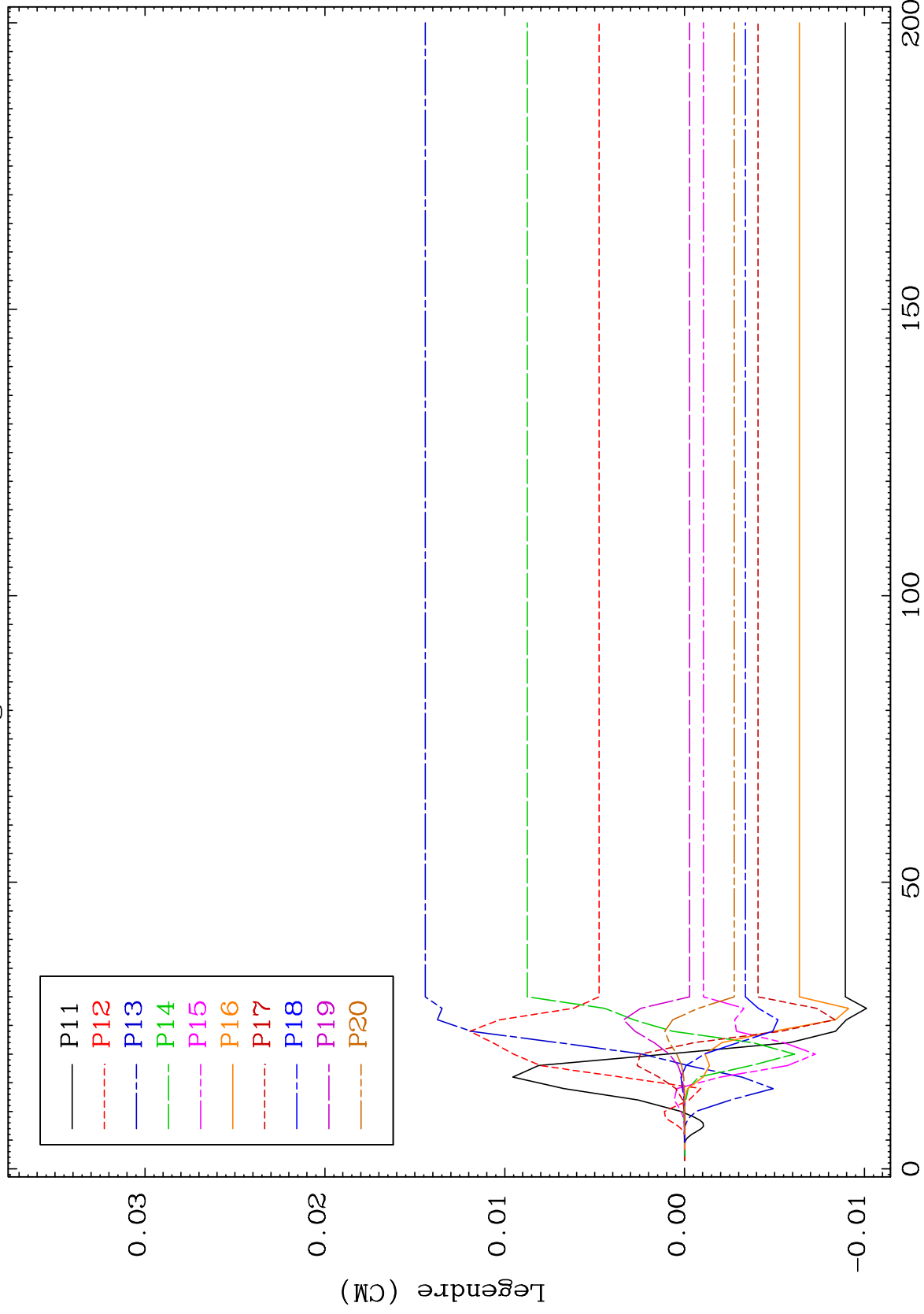
Incident Energy (MeV)

18

MAT 8289

500.0 keV (n,n') Level
Legendre Coefficients

83-Bi-197



19

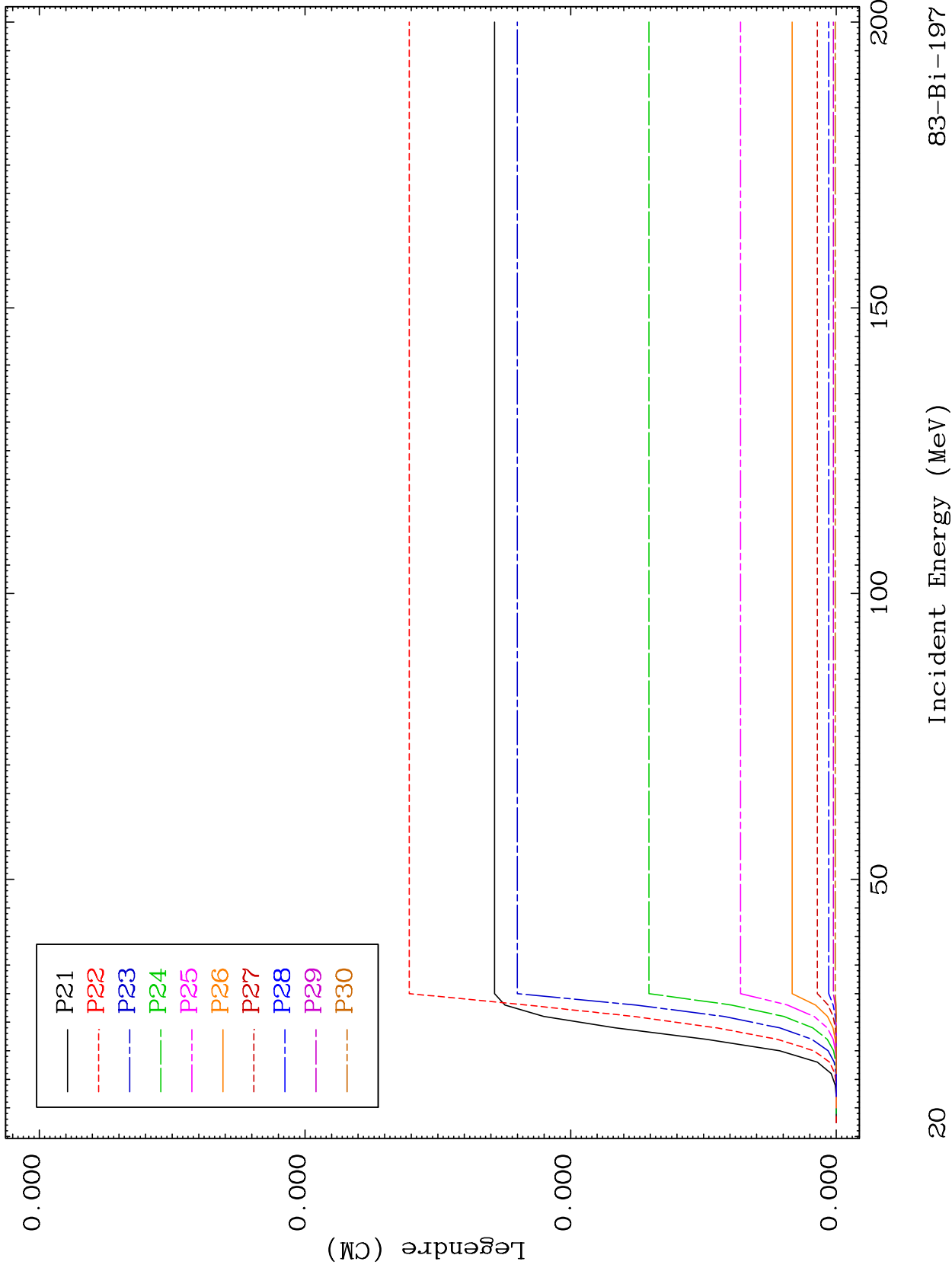
Incident Energy (MeV)

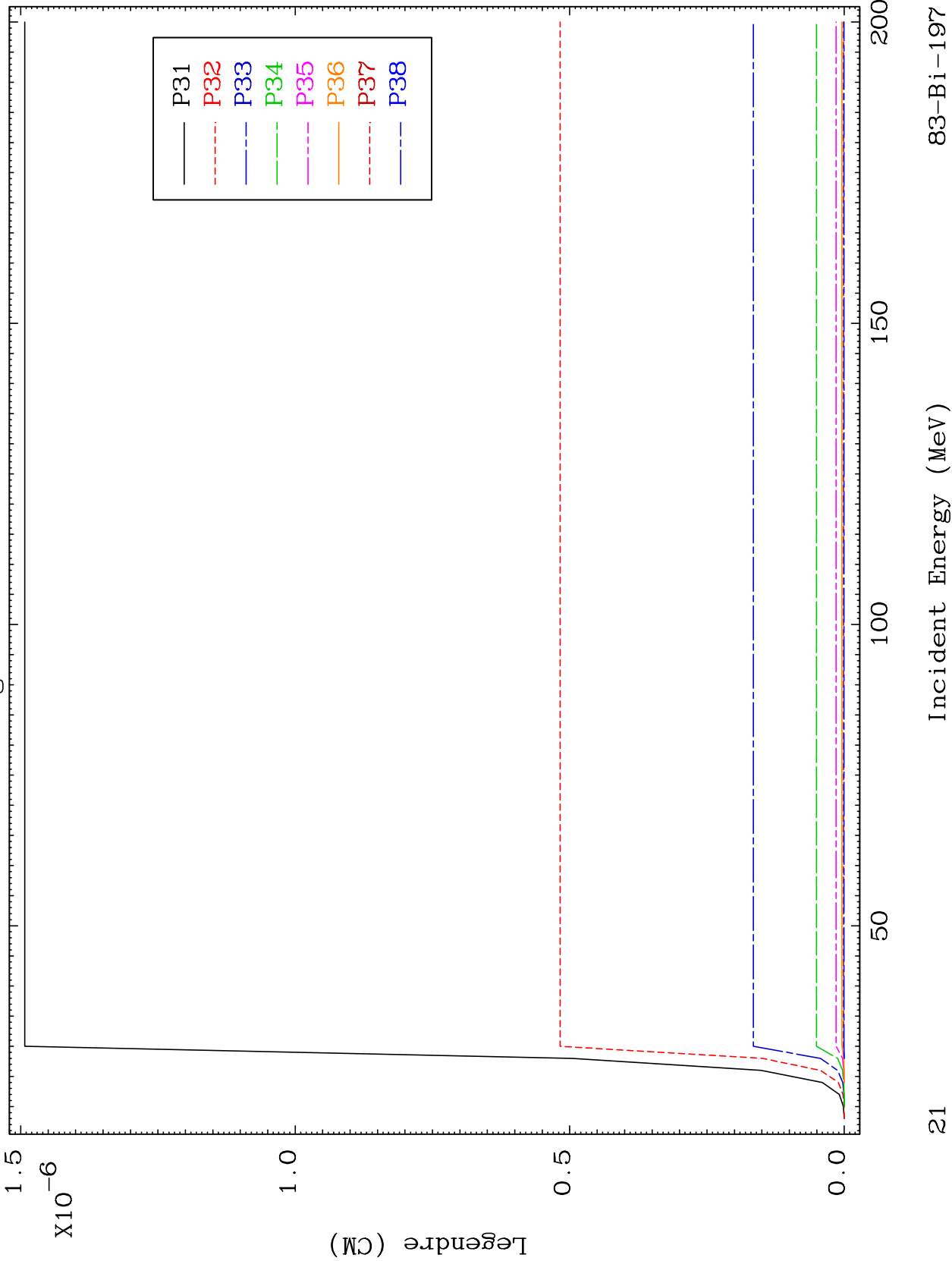
83-Bi-197

MAT 8289

500.0 keV (n,n') Level
Legendre Coefficients

83-Bi-197

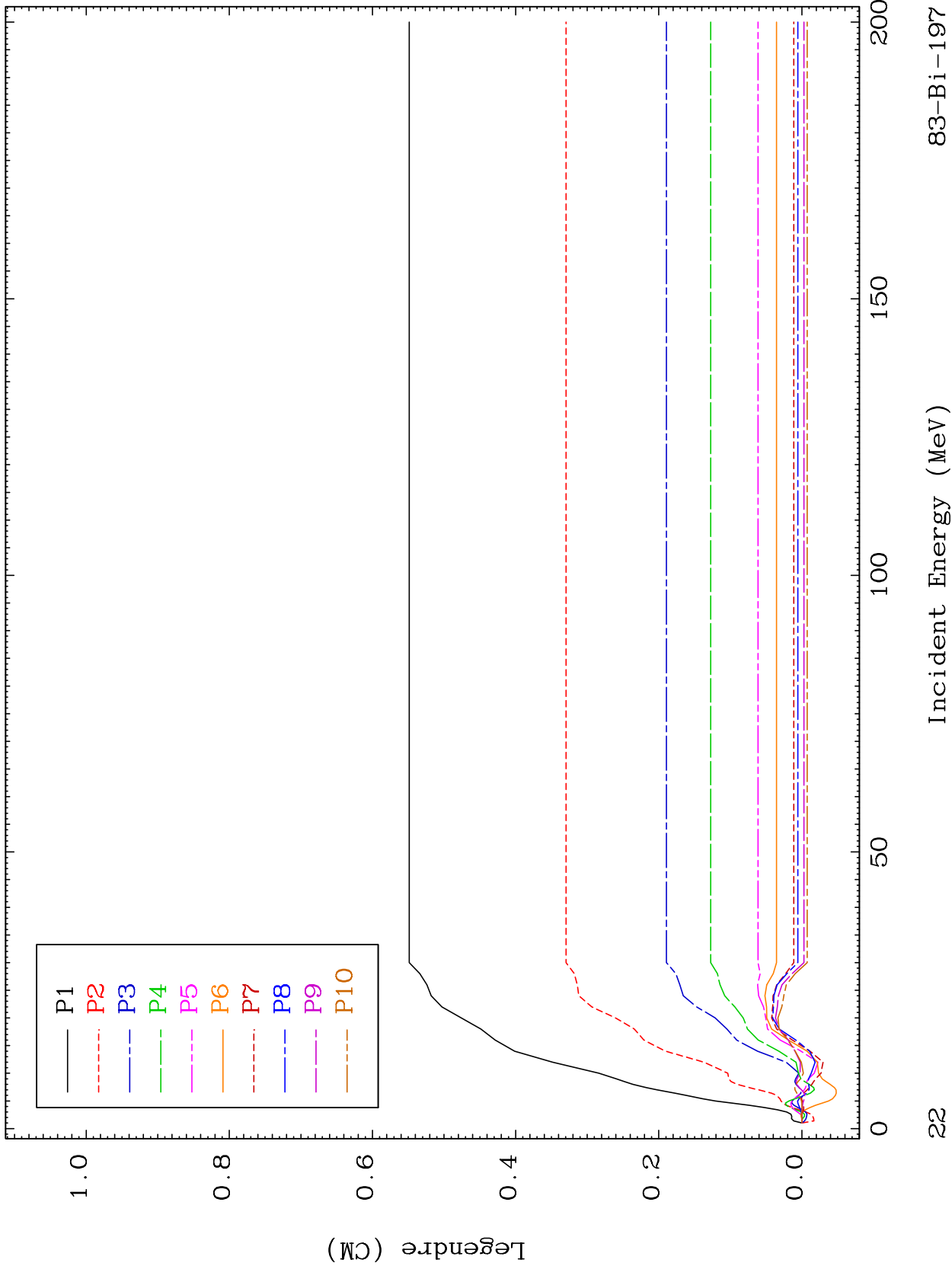




MAT 8289

1.001 MeV (n,n') Level
Legendre Coefficients

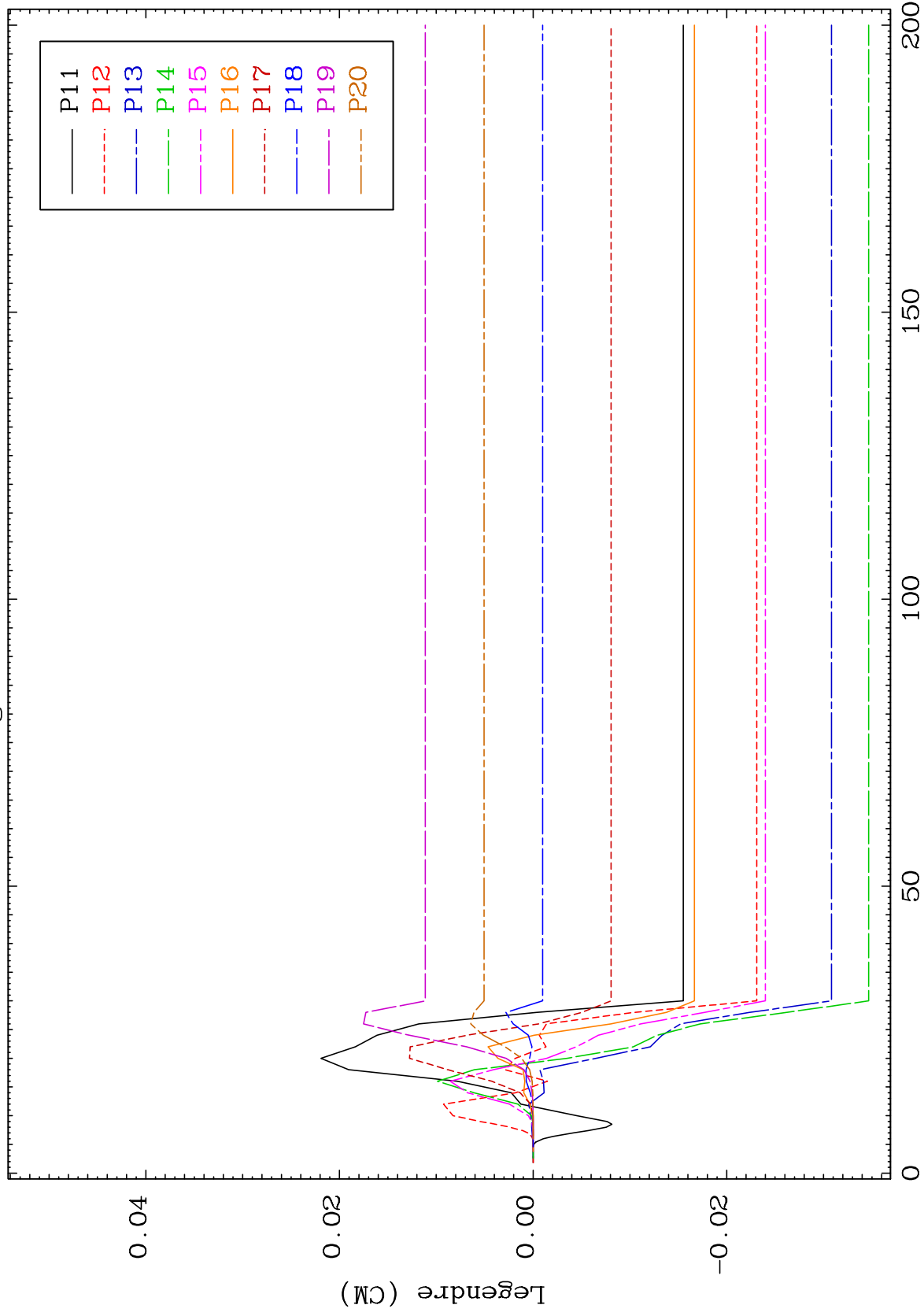
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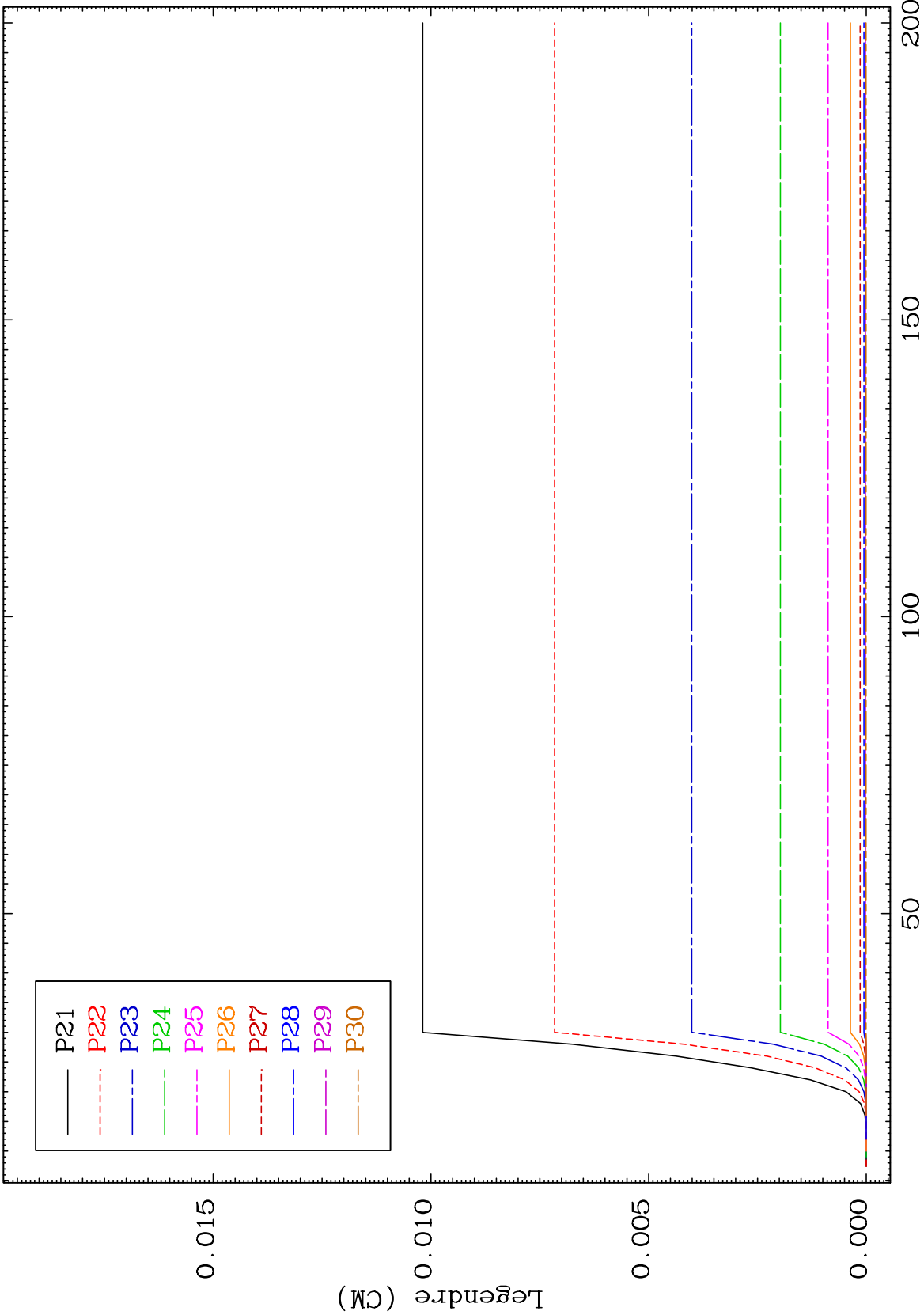


83-Bi-197

Incident Energy (MeV)

22

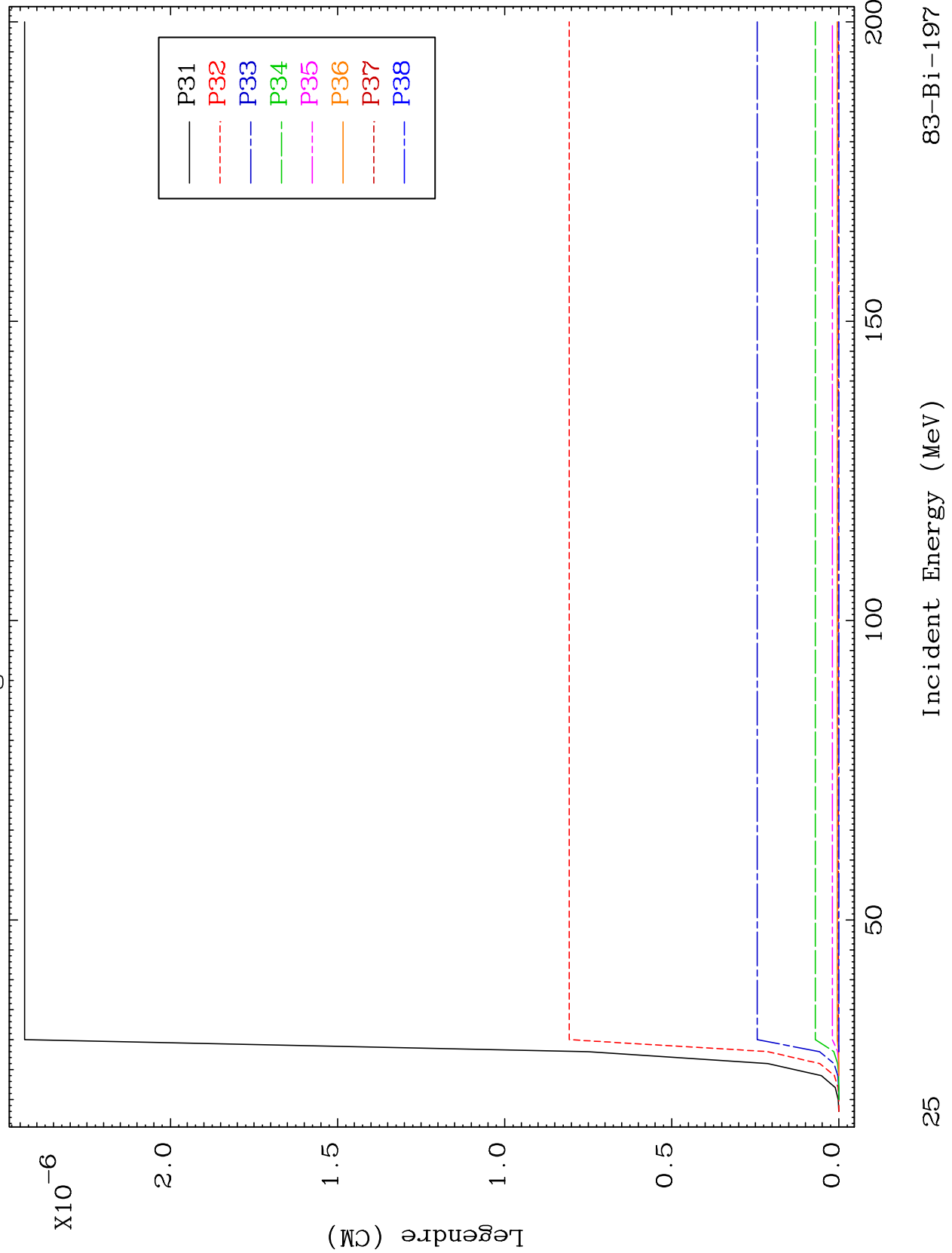


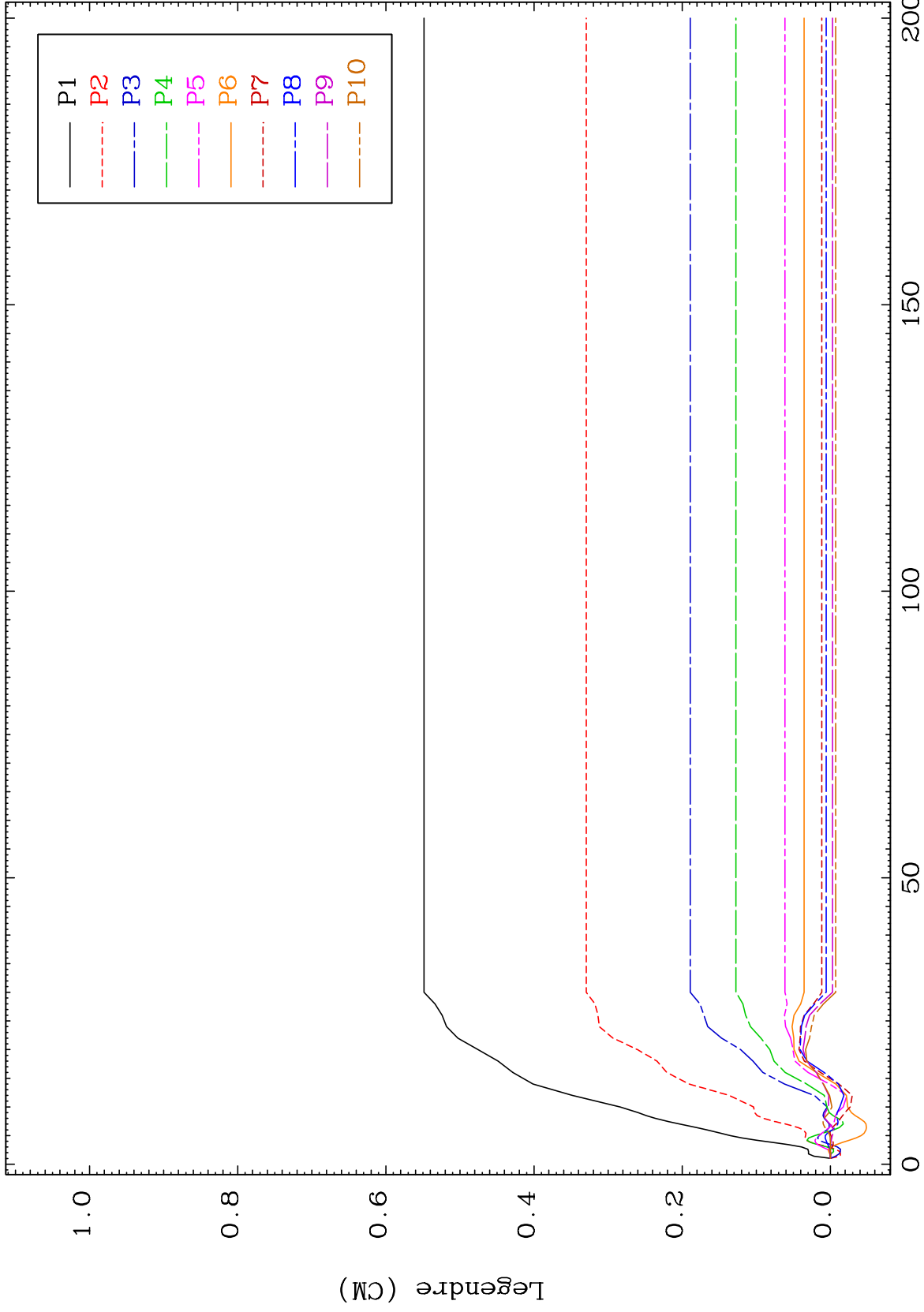


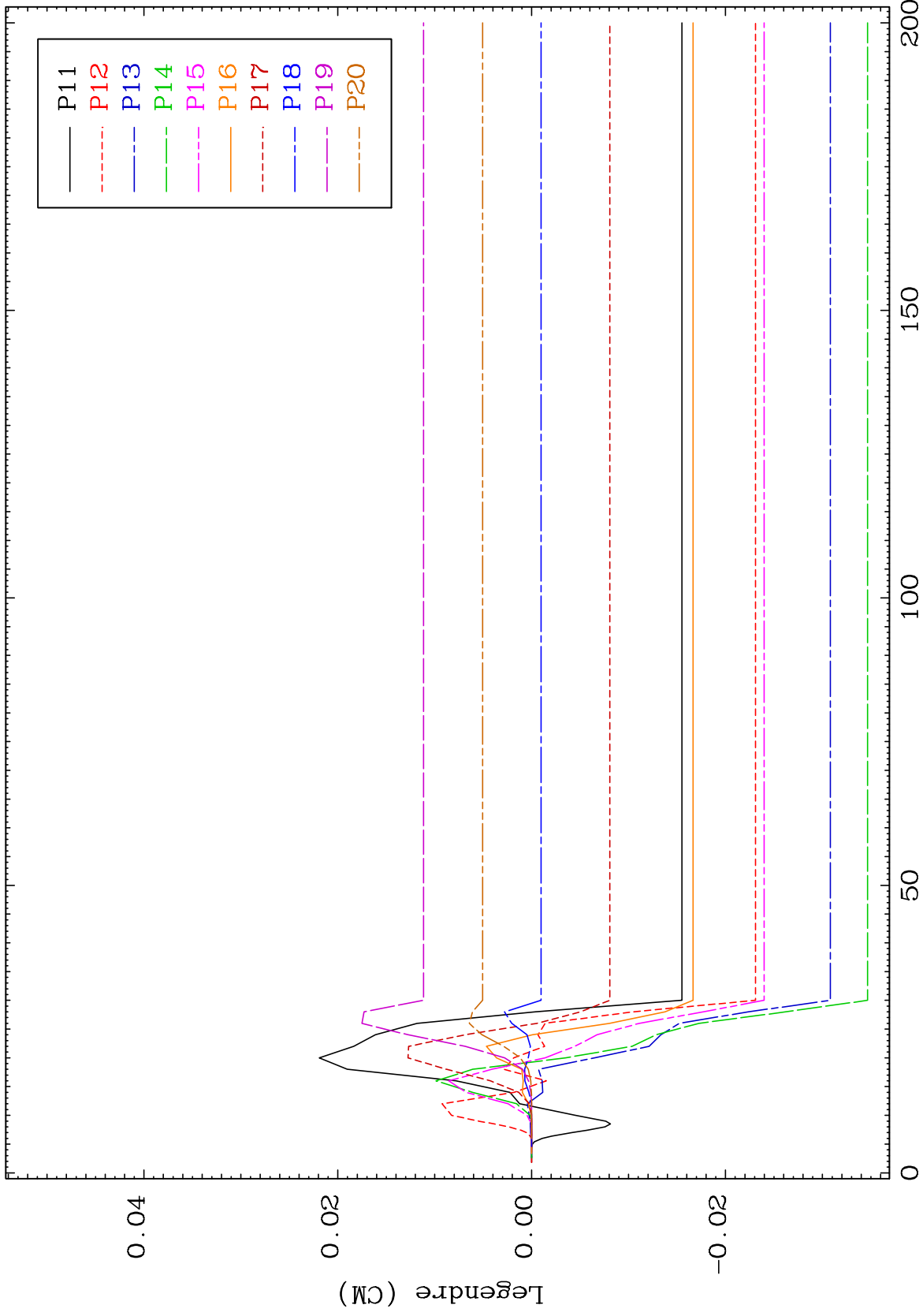
MAT 8289

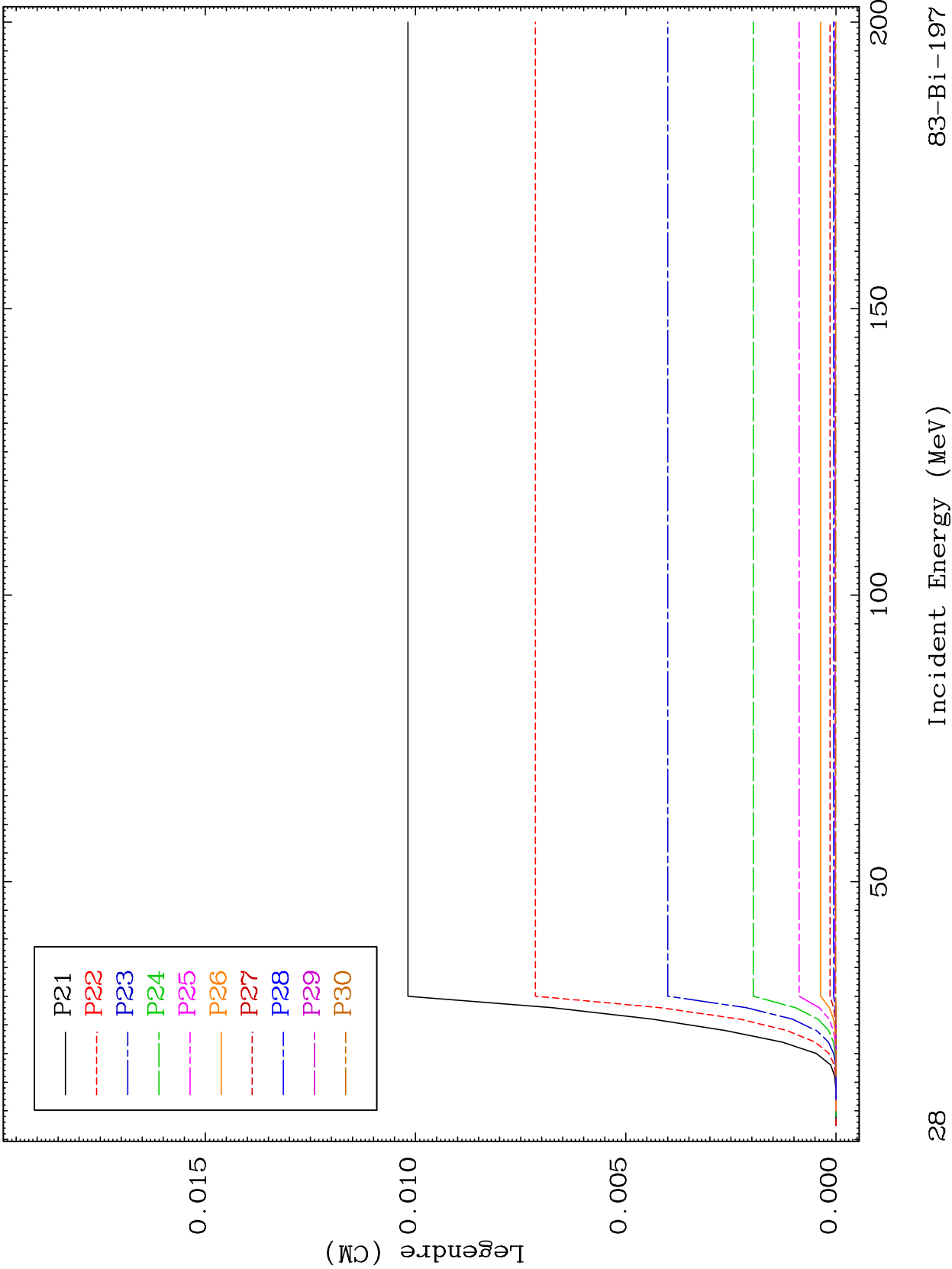
1.001 MeV (n,n') Level
Legendre Coefficients

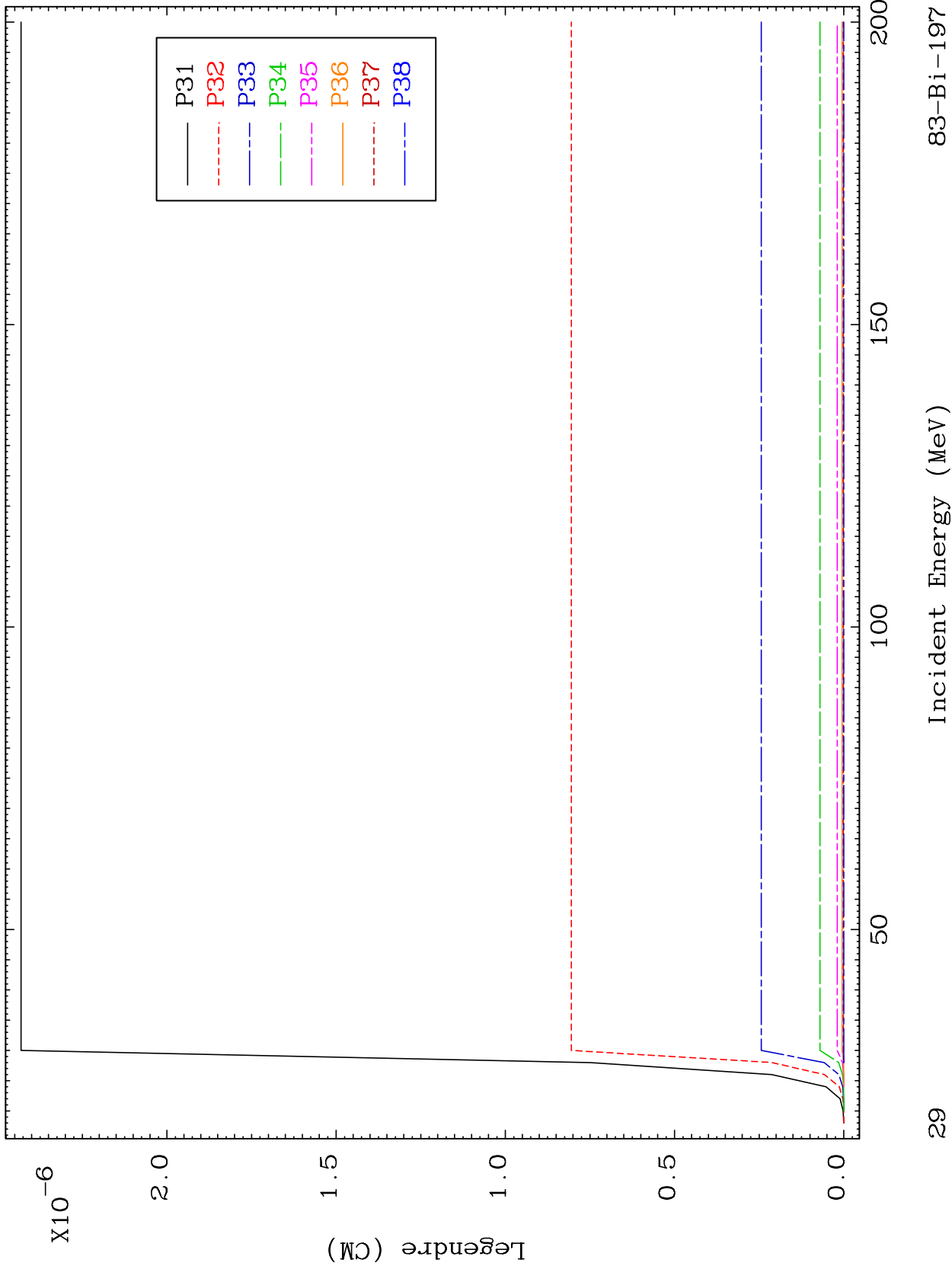
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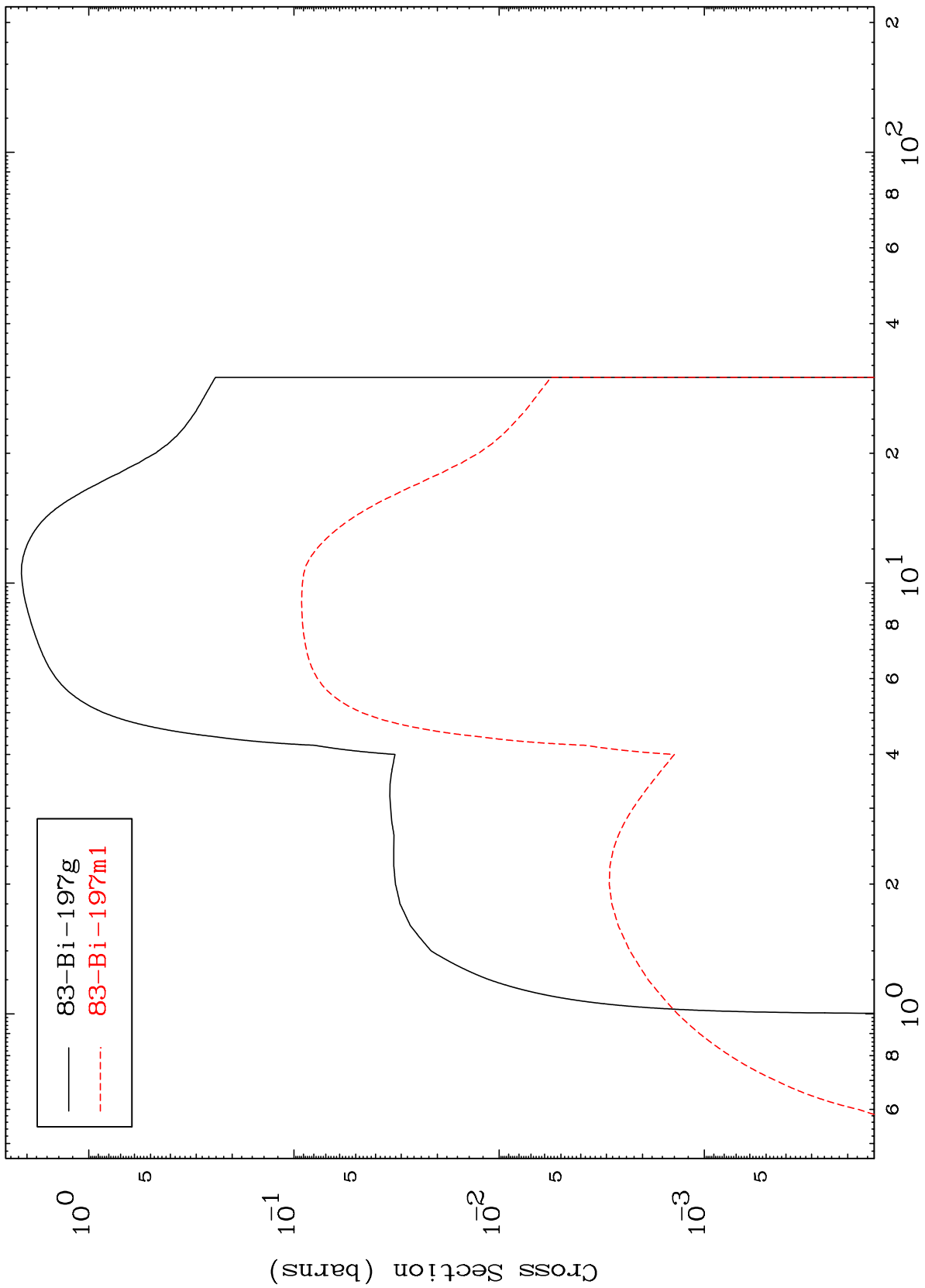




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83-Bi-197

Radionuclide Production Cross Section



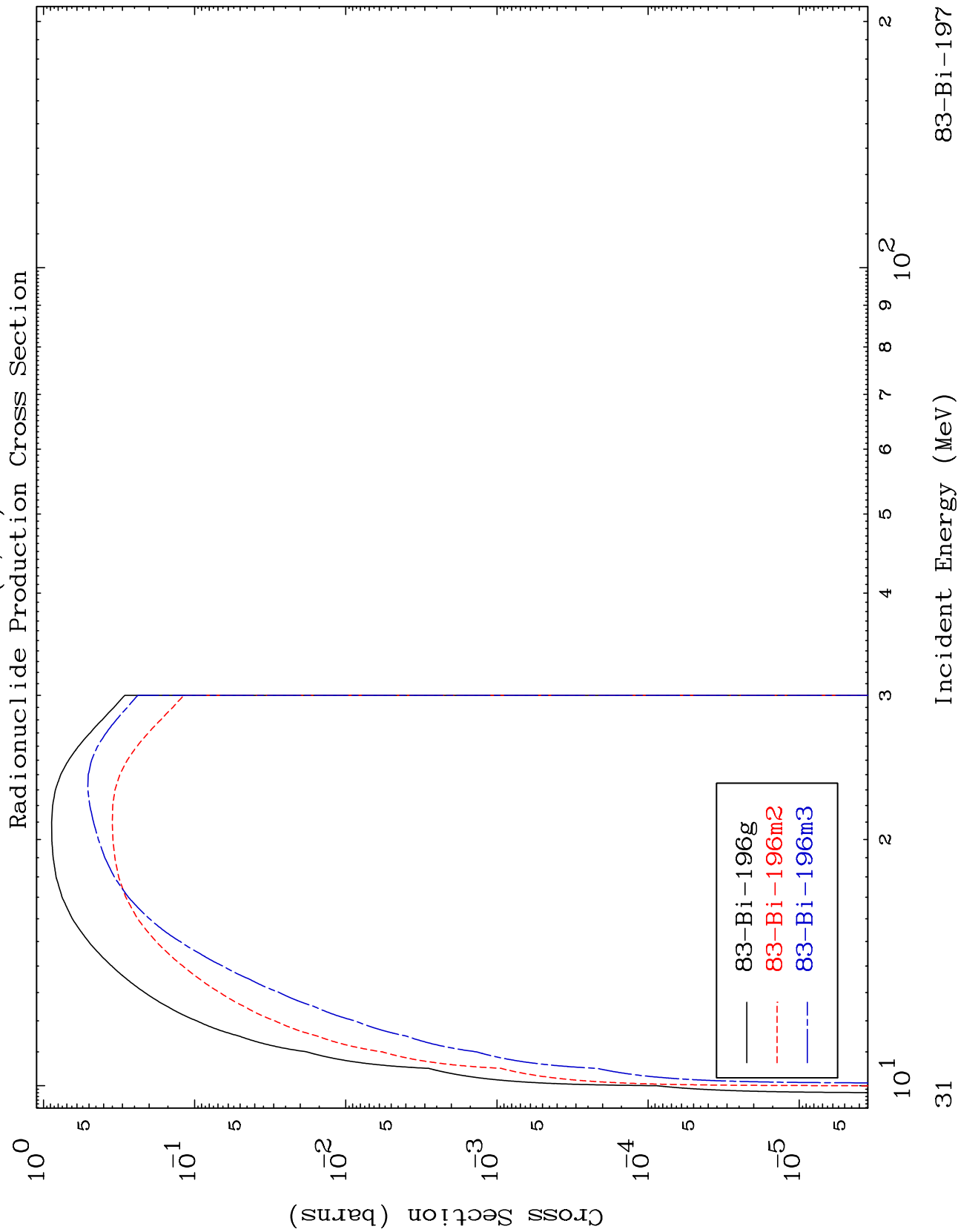
Incident Energy (MeV)

83-Bi-197

30

MAT 8289

83-Bi-197

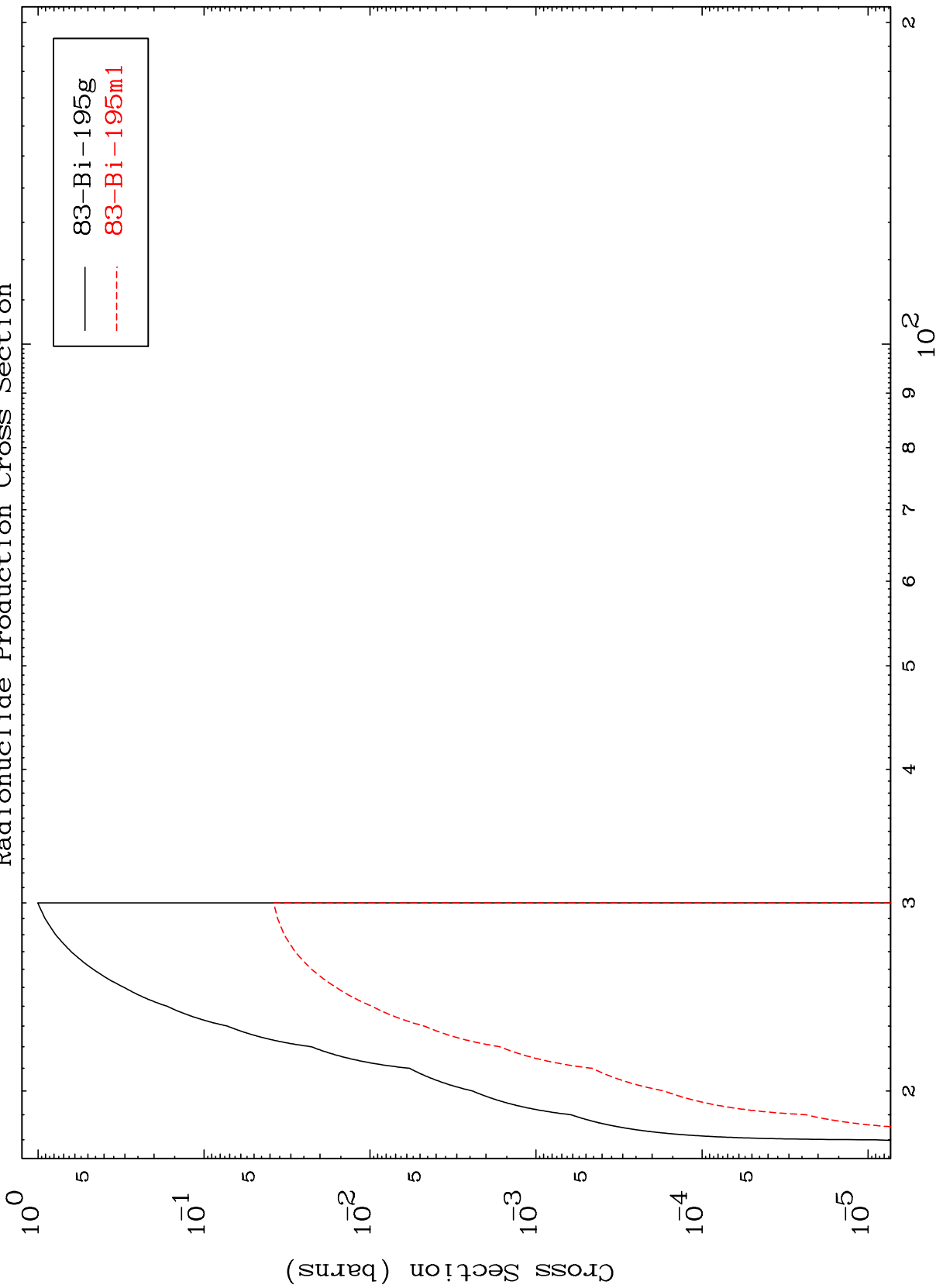


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83-Bi-197

(n,3n)
Radionuclide Production Cross Section



32

83-Bi-197

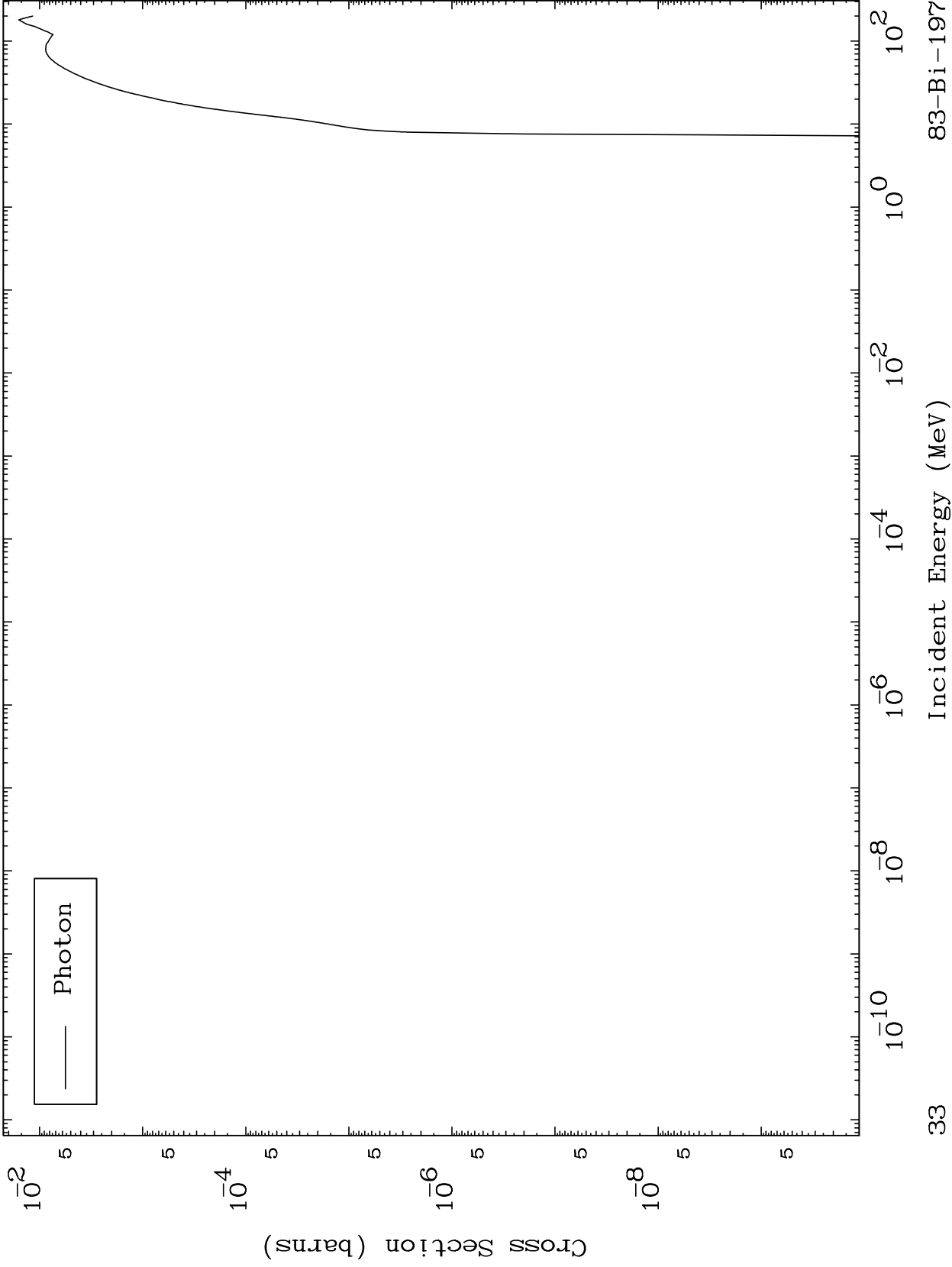
Incident Energy (MeV)

MAT 8289

Fission

83-Bi-197

Radionuclide Production Cross Section



33

Incident Energy (MeV)

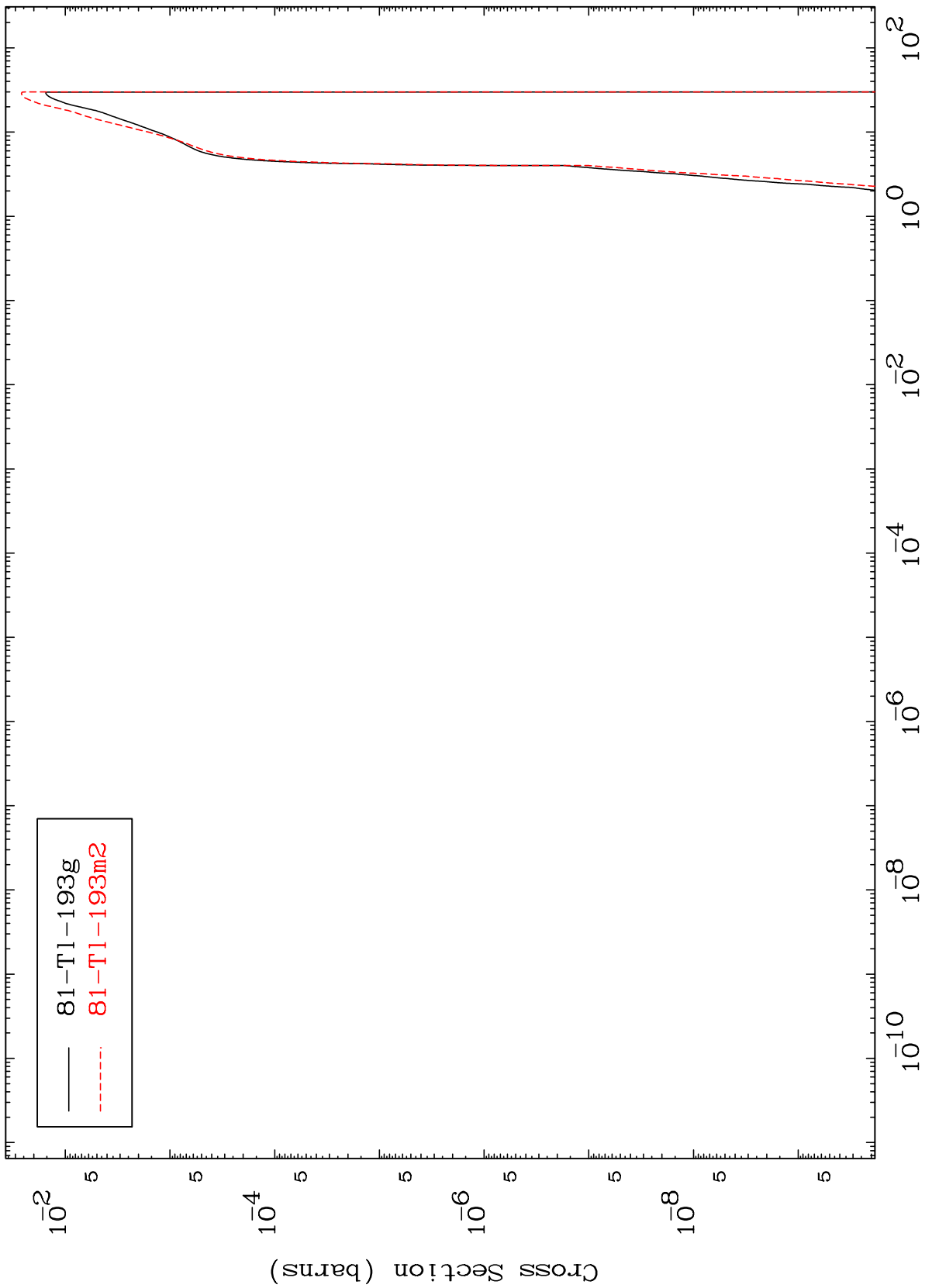
83-Bi-197

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(n, n') α

83-Bi-197

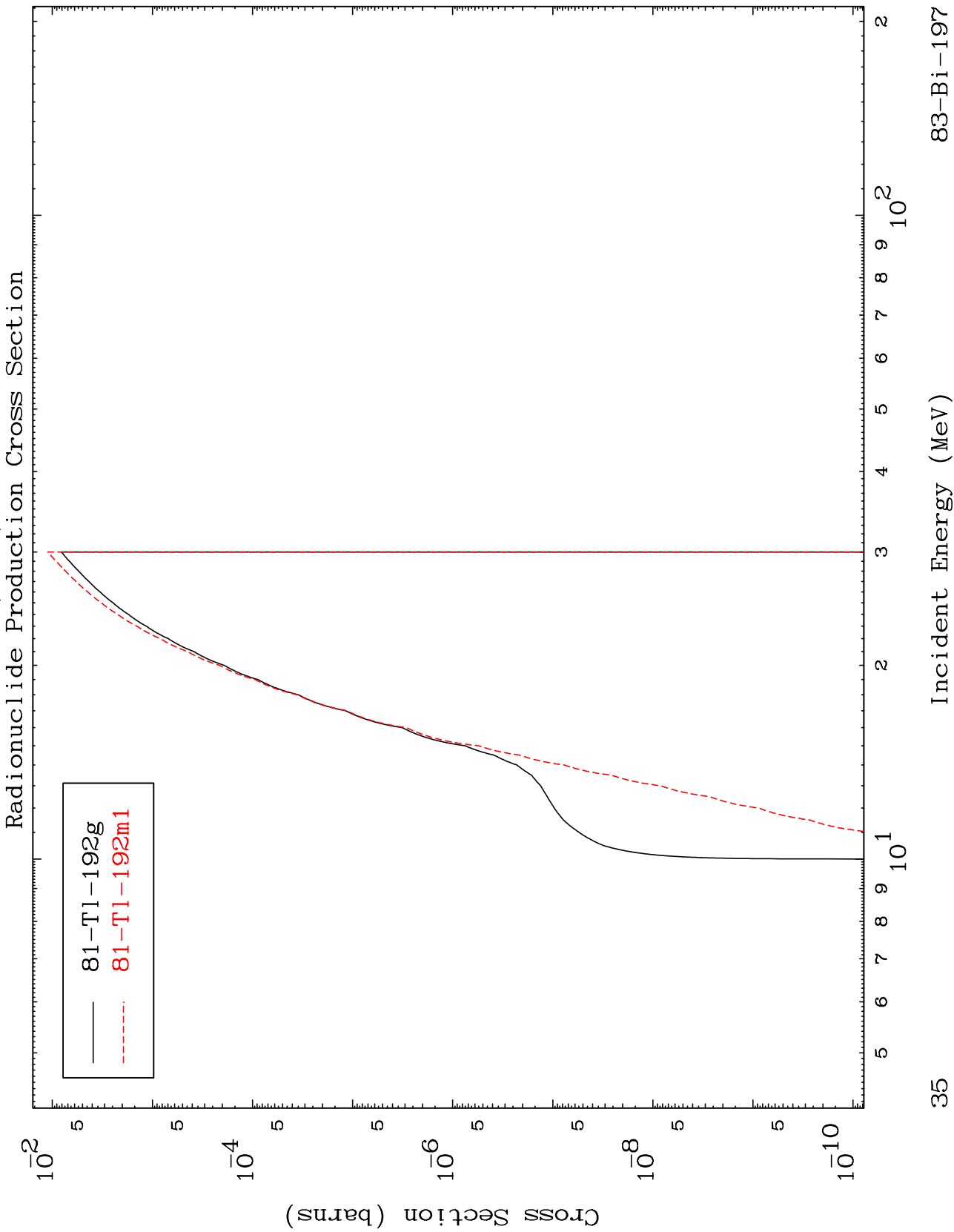
Radionuclide Production Cross Section



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(n,2n) α

83-Bi-197

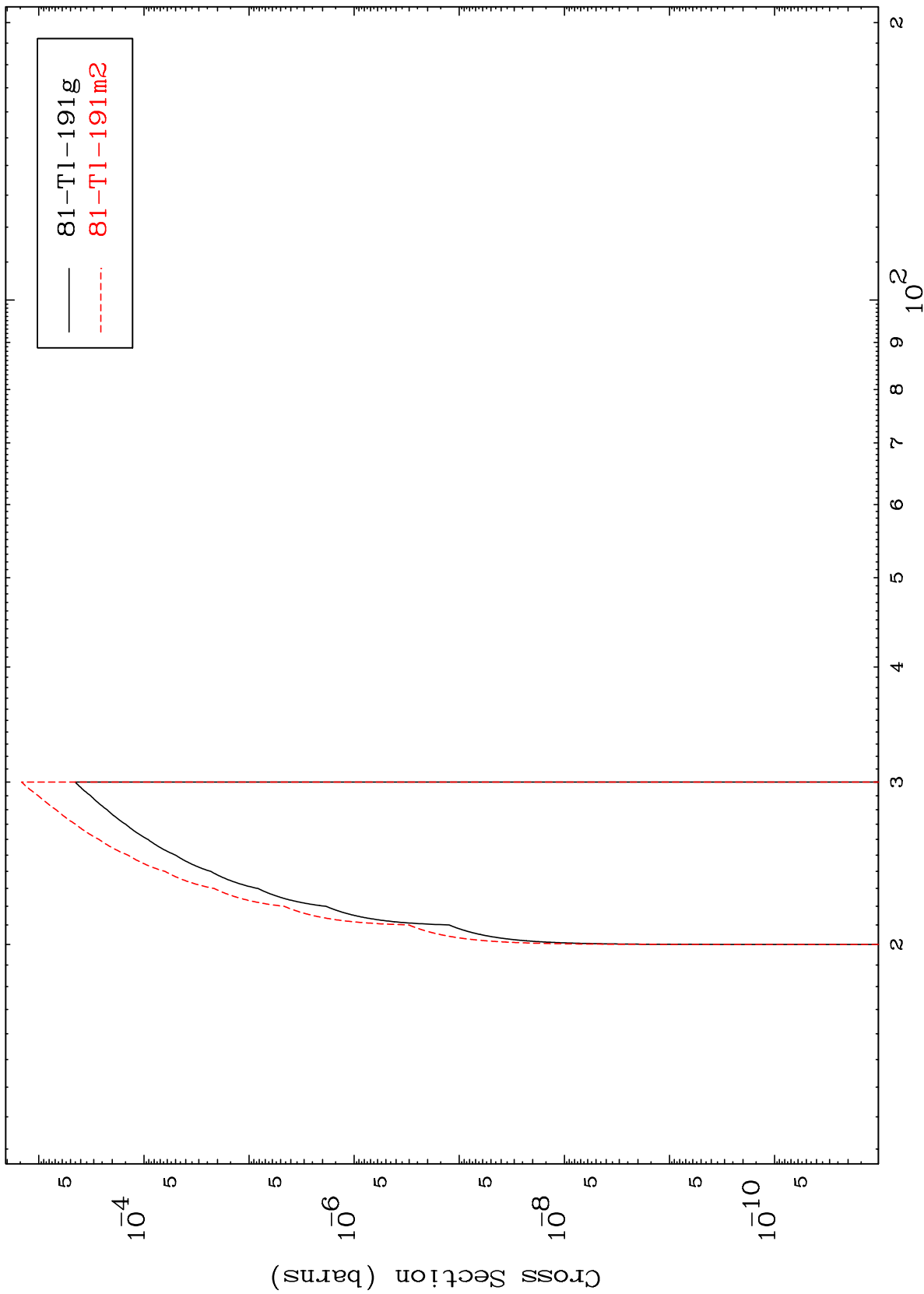


35

Incident Energy (MeV)

83-Bi-197

Radionuclide Production Cross Section

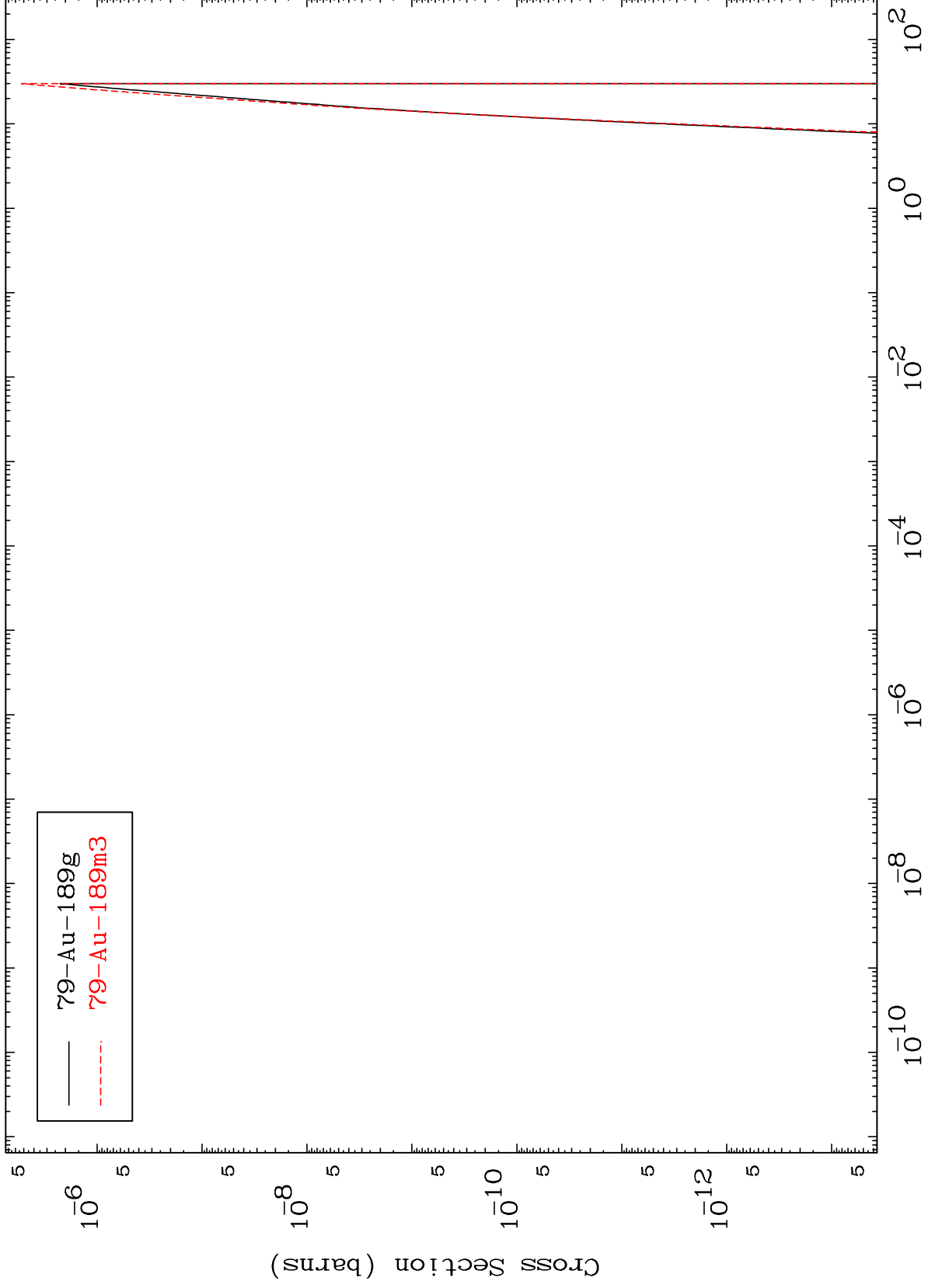


MAT 8289

(n,n') 2α

83-Bi-197

Radionuclide Production Cross Section



37

Incident Energy (MeV)

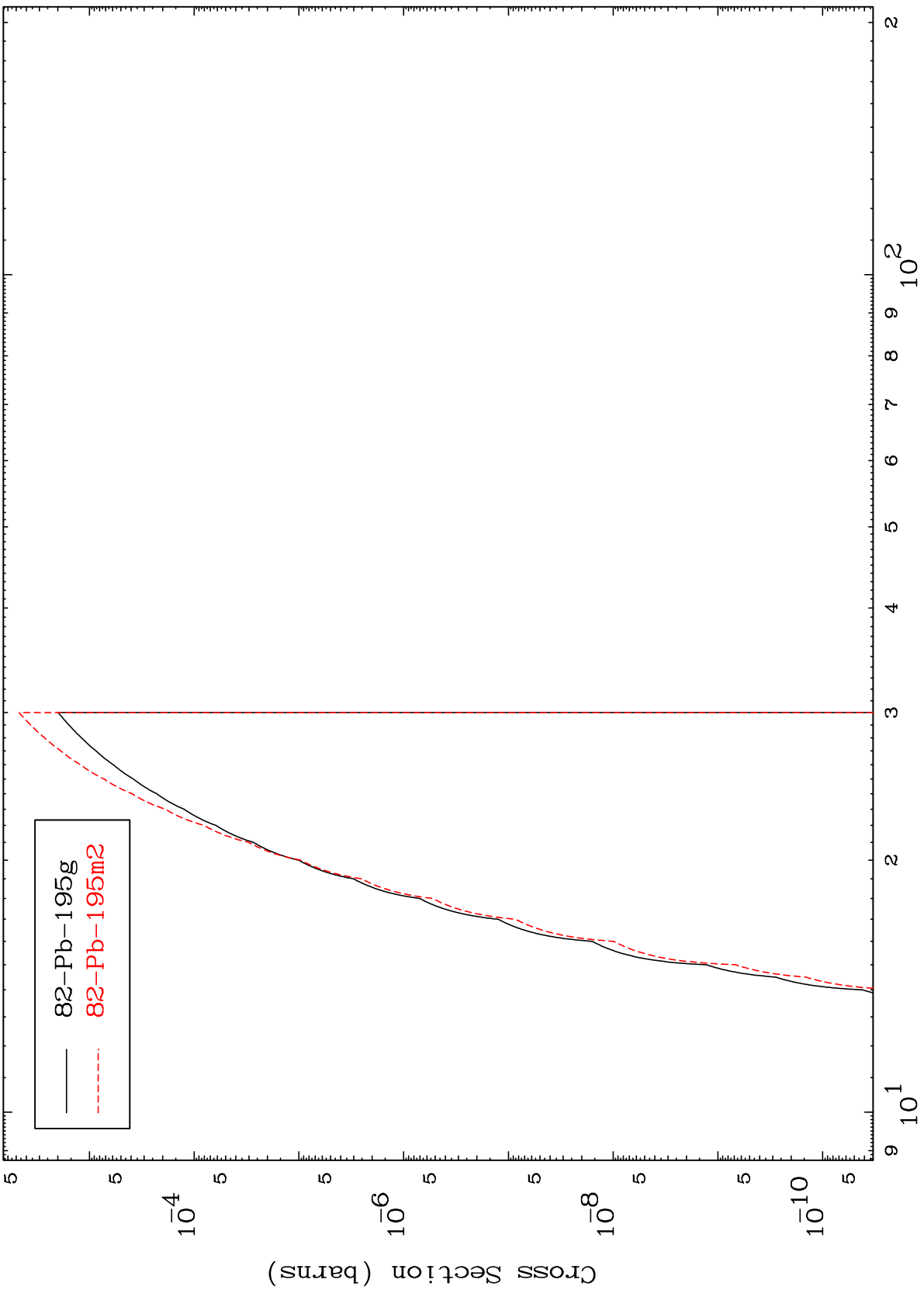
83-Bi-197

MAT 8289

(n,n') d

83-Bi-197

Radionuclide Production Cross Section



Incident Energy (MeV)

83-Bi-197

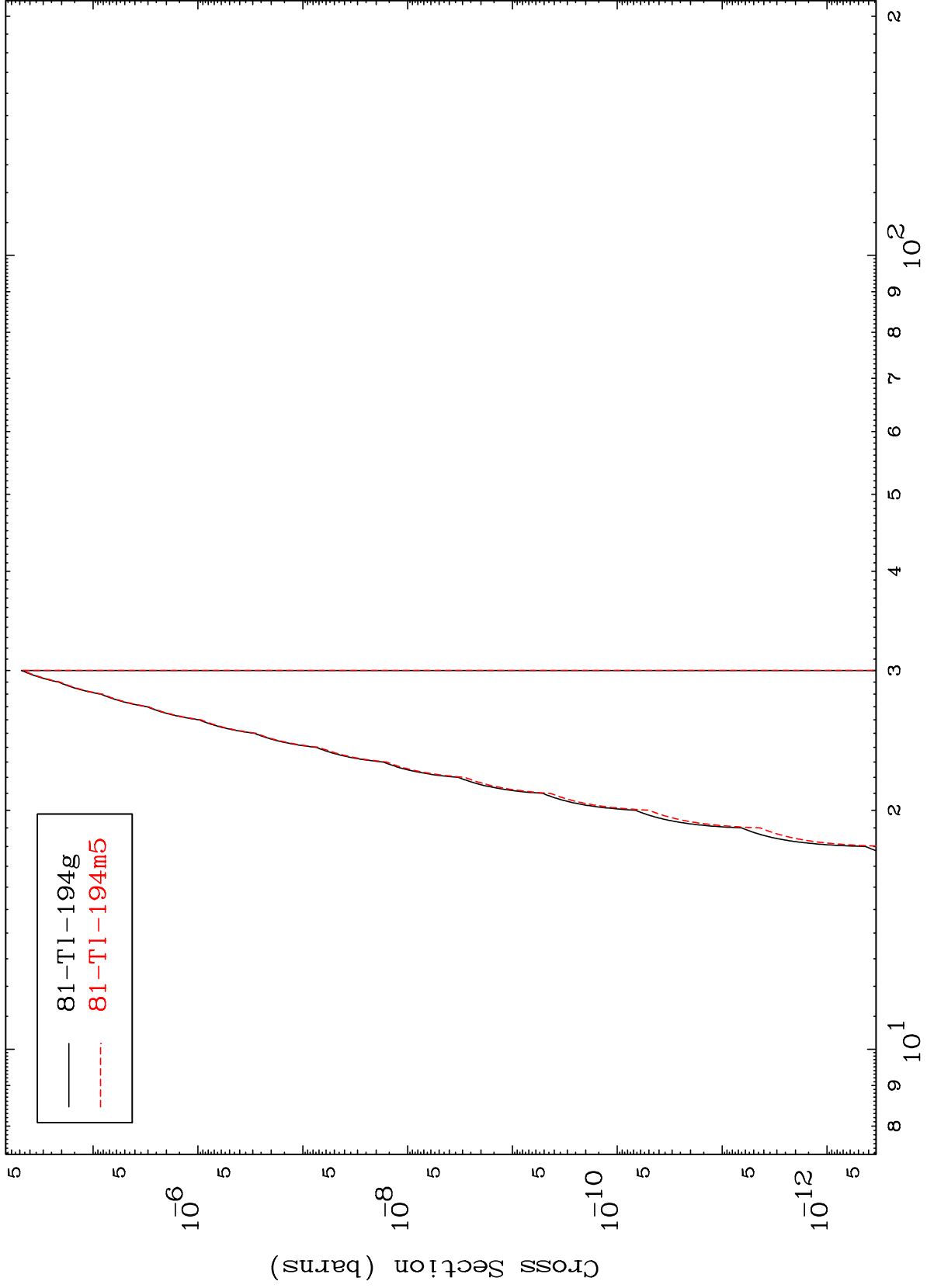
38

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(n,n') He-3

83-Bi-197

Radionuclide Production Cross Section



39

Incident Energy (MeV)

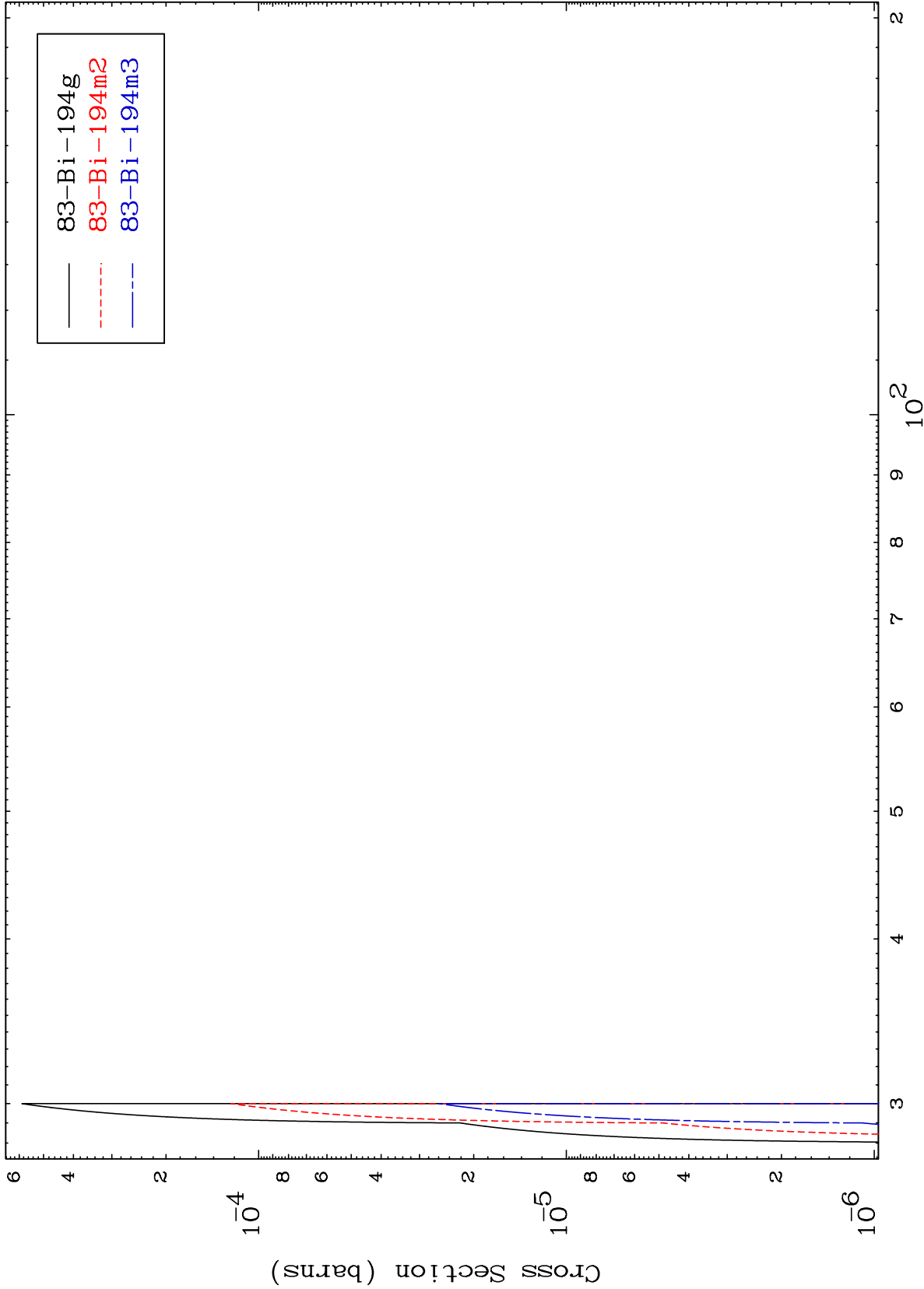
83-Bi-197

MAT 8289

(n,4n)

83-Bi-197

Radionuclide Production Cross Section



40

Incident Energy (MeV)

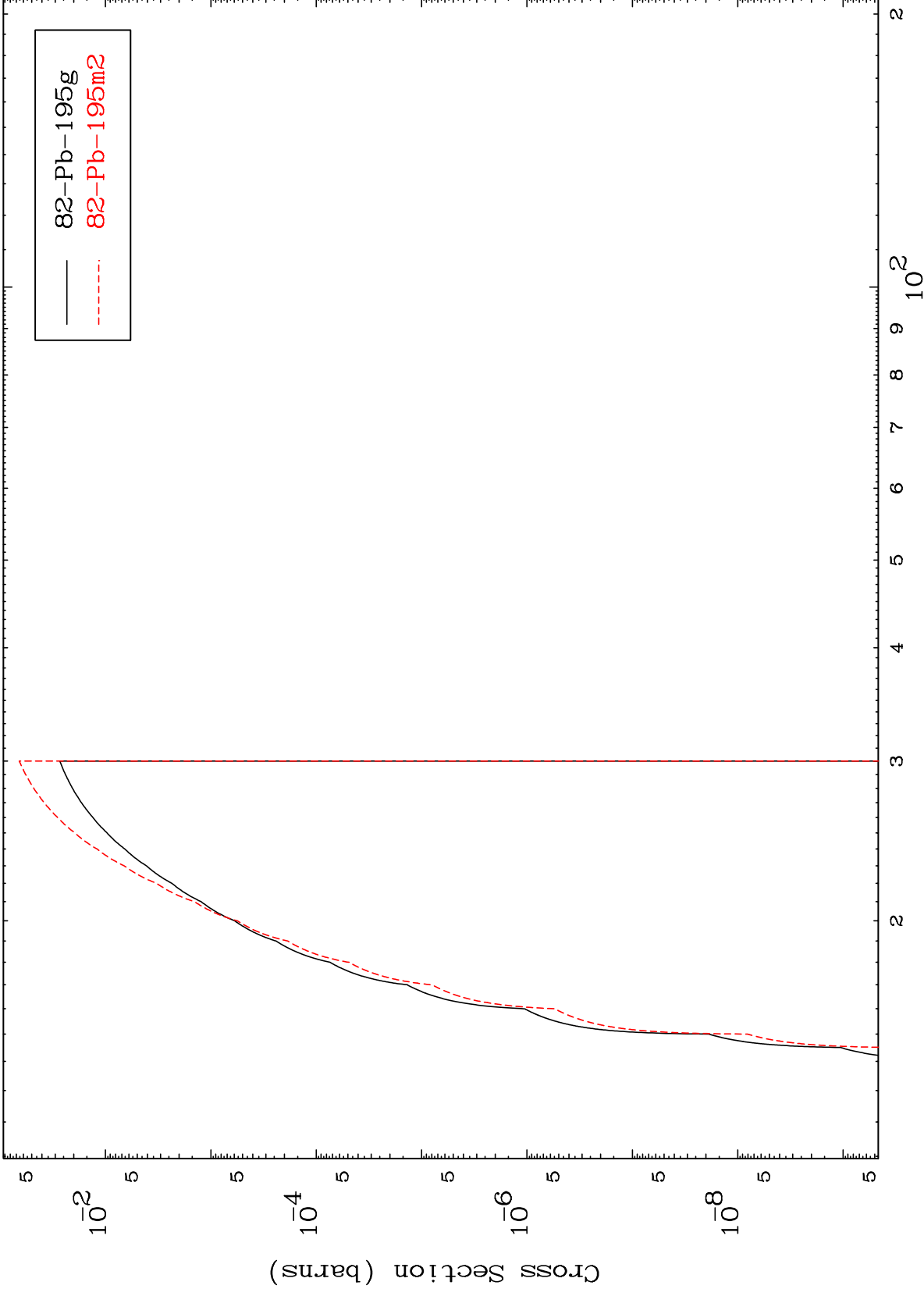
83-Bi-197

MAT 8289

(n,2n) p

83-Bi-197

Radionuclide Production Cross Section

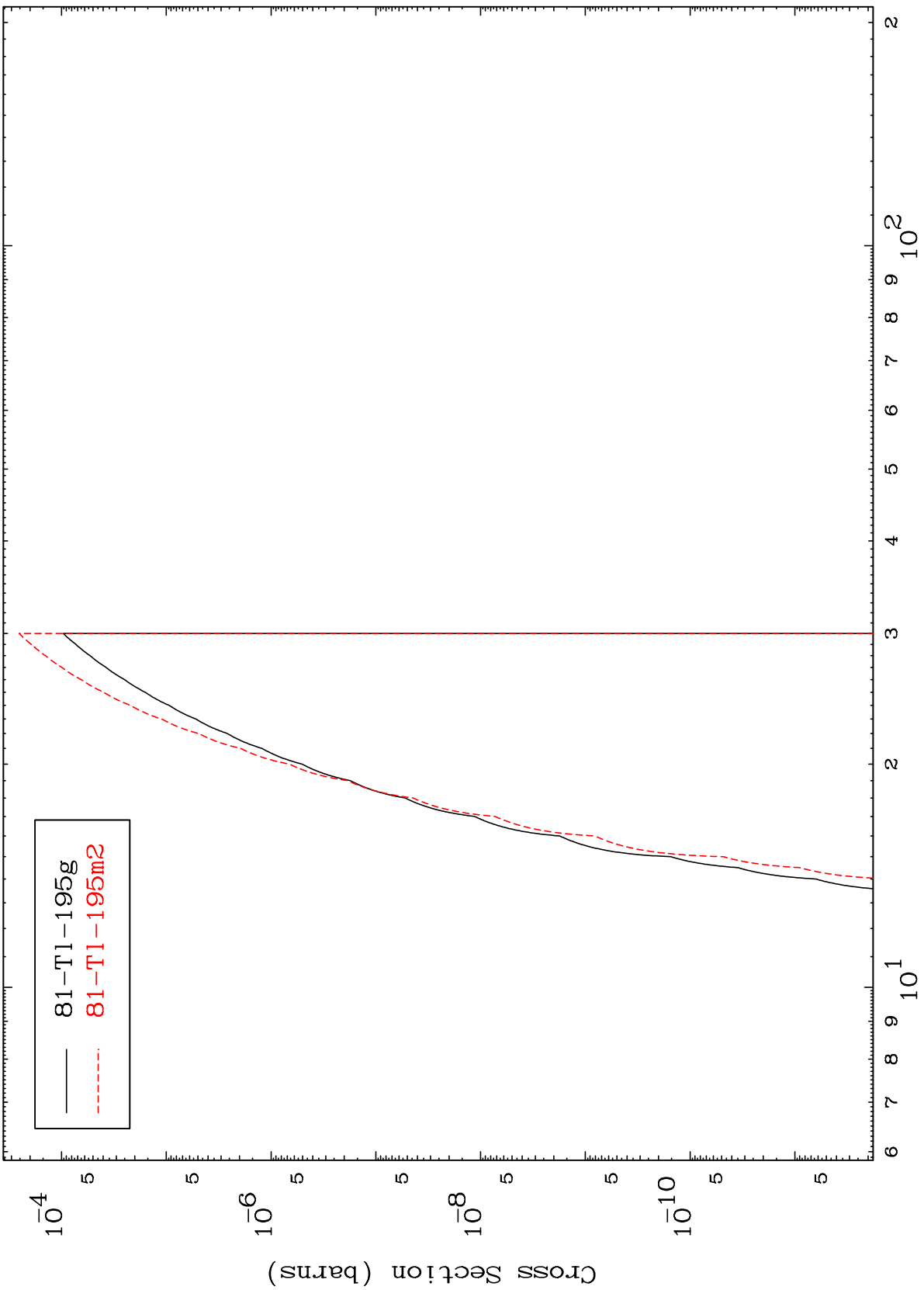


MAT 8289

(n,2n) p

83-Bi-197

Radionuclide Production Cross Section



42

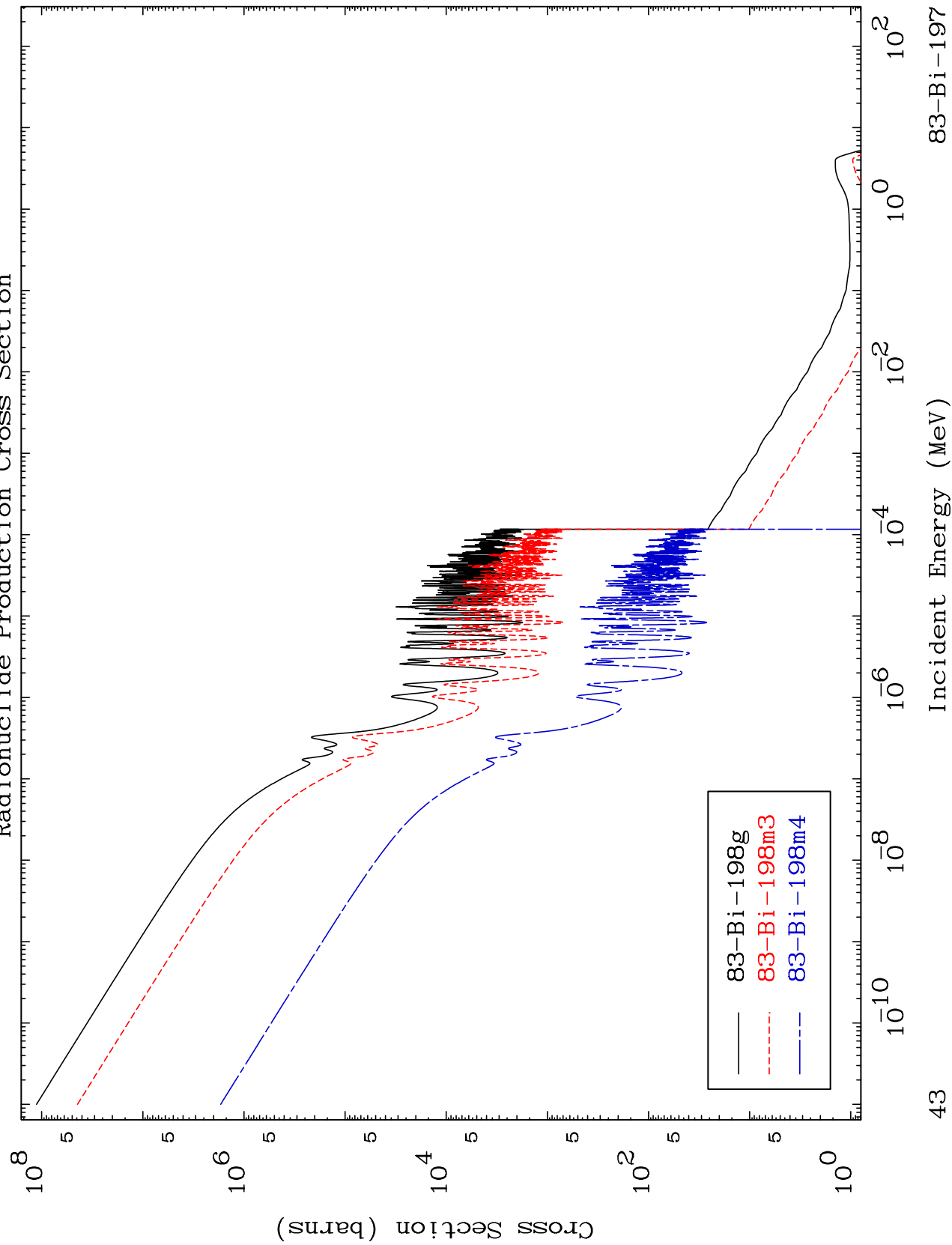
Incident Energy (MeV)

83-Bi-197

MAT 8289

83-Bi-197

(n,γ)
Radionuclide Production Cross Section

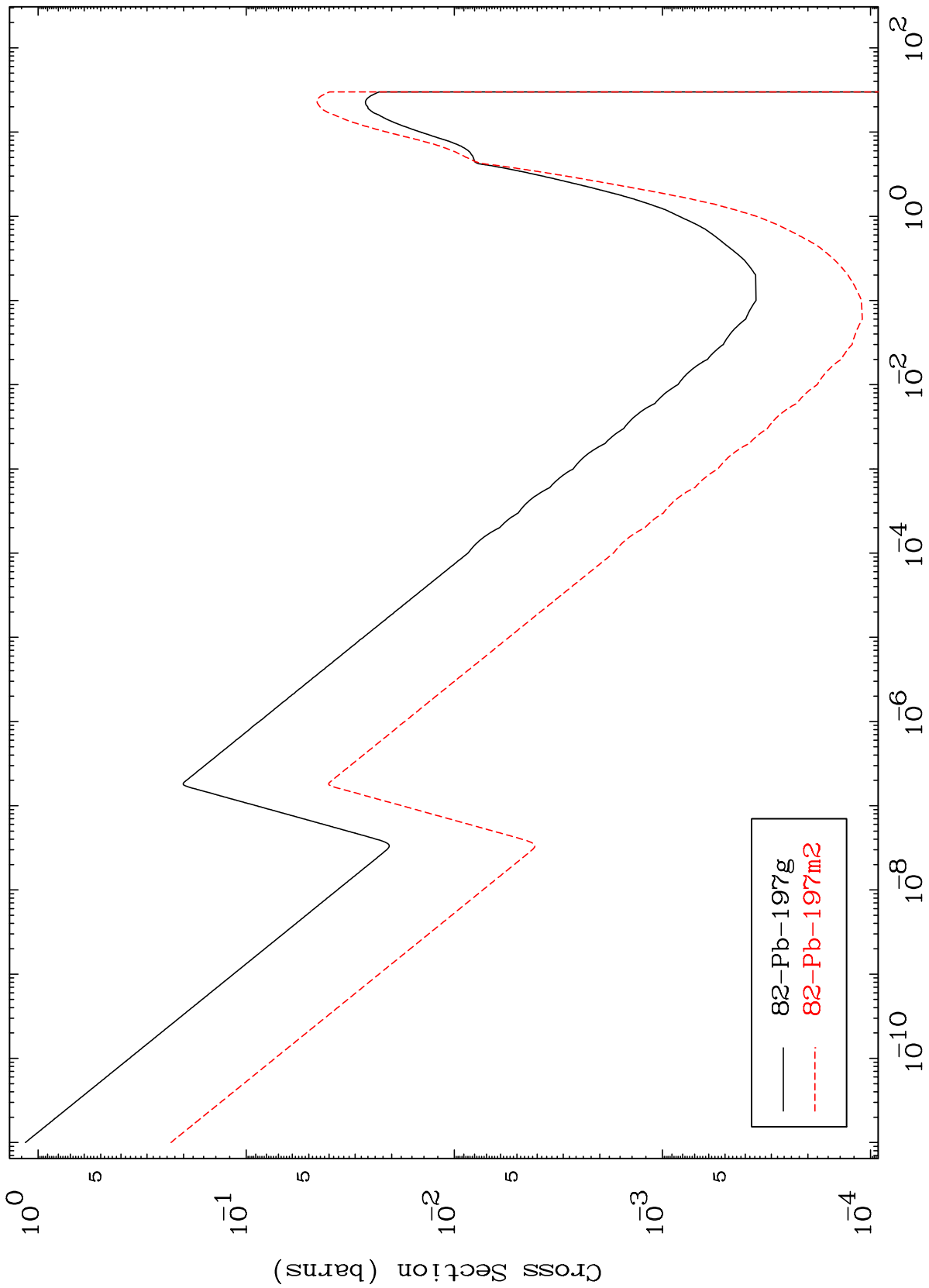


MAT 8289

83-Bi-197

Radionuclide Production Cross Section

(n,p)



83-Bi-197

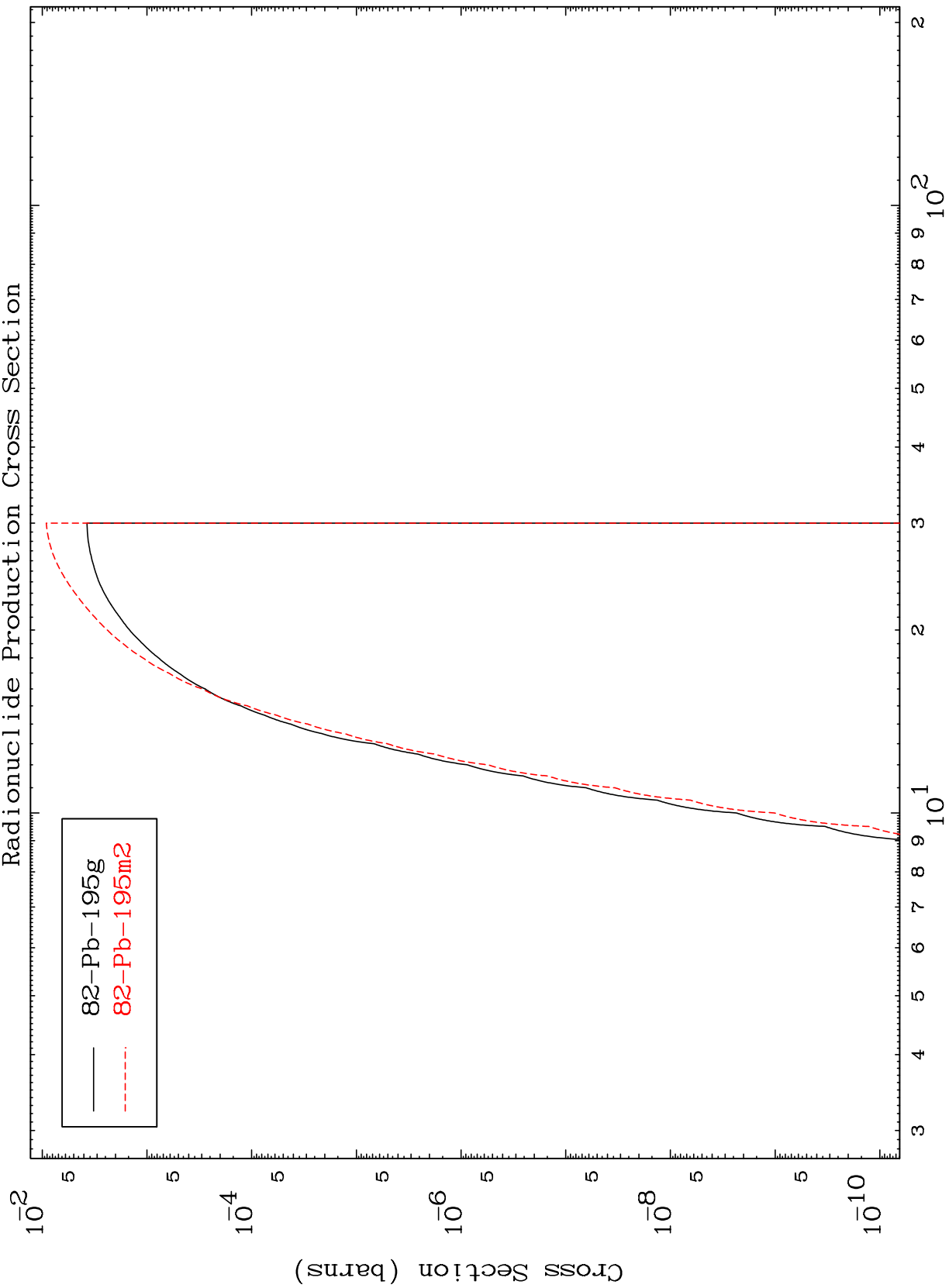
Incident Energy (MeV)

44

MAT 8289

83-Bi-197

(n, t)
Radionuclide Production Cross Section



82-Pb-195g
82-Pb-195m2

83-Bi-197

Incident Energy (MeV)

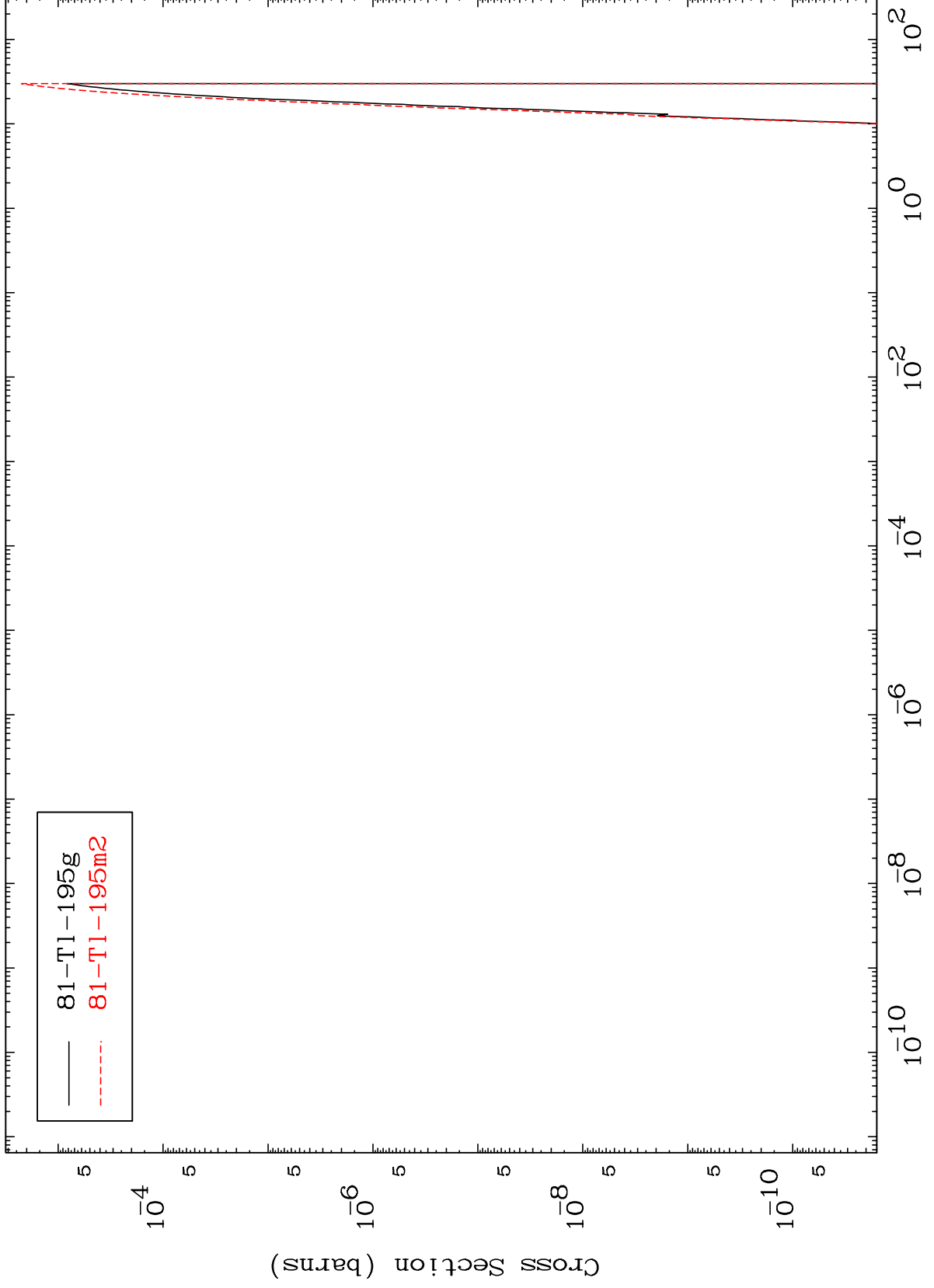
45

MAT 8289

(n,He-3)

83-Bi-197

Radionuclide Production Cross Section

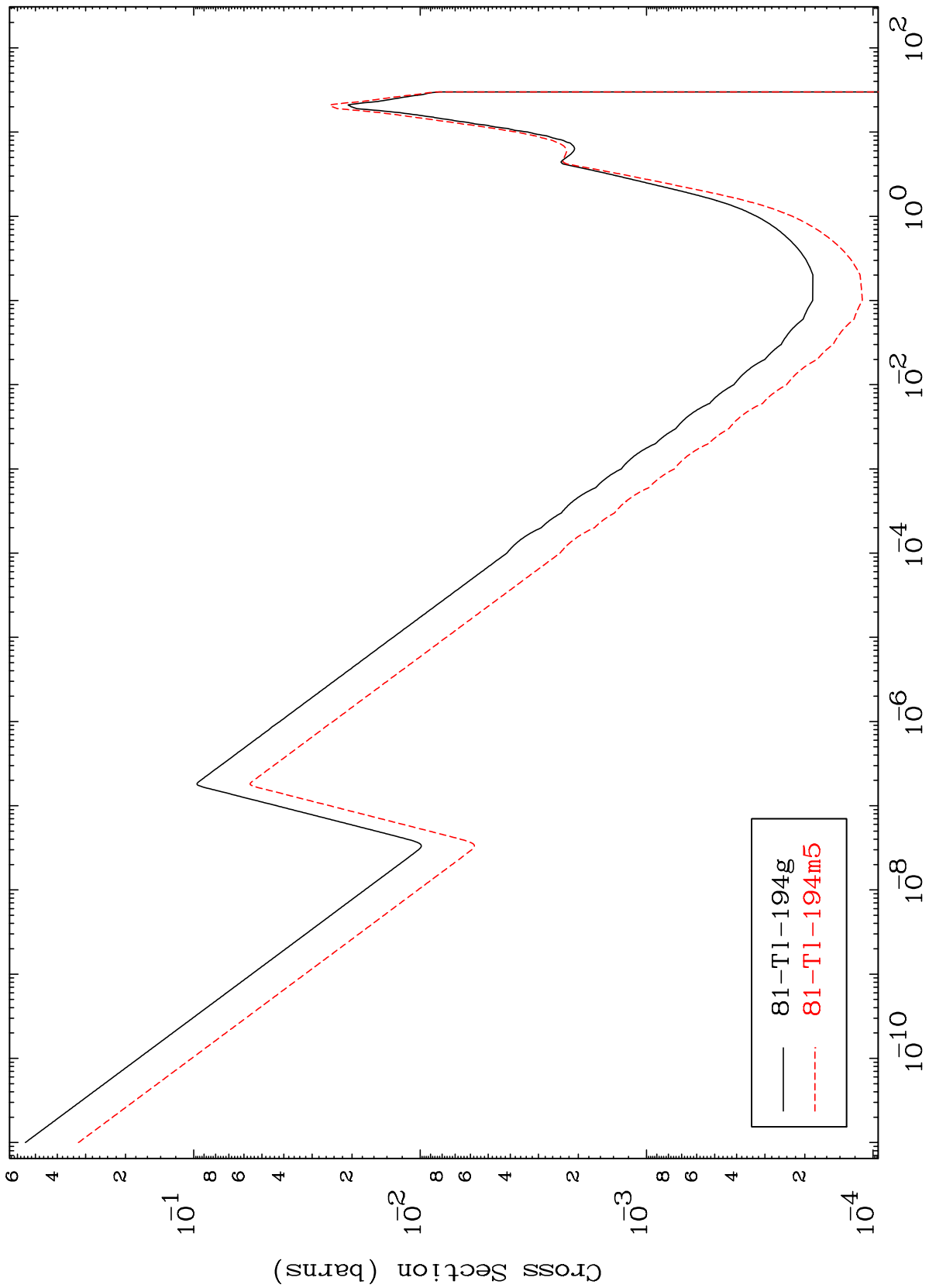


MAT 8289

83-Bi-197

Radionuclide Production Cross Section

(n, α)

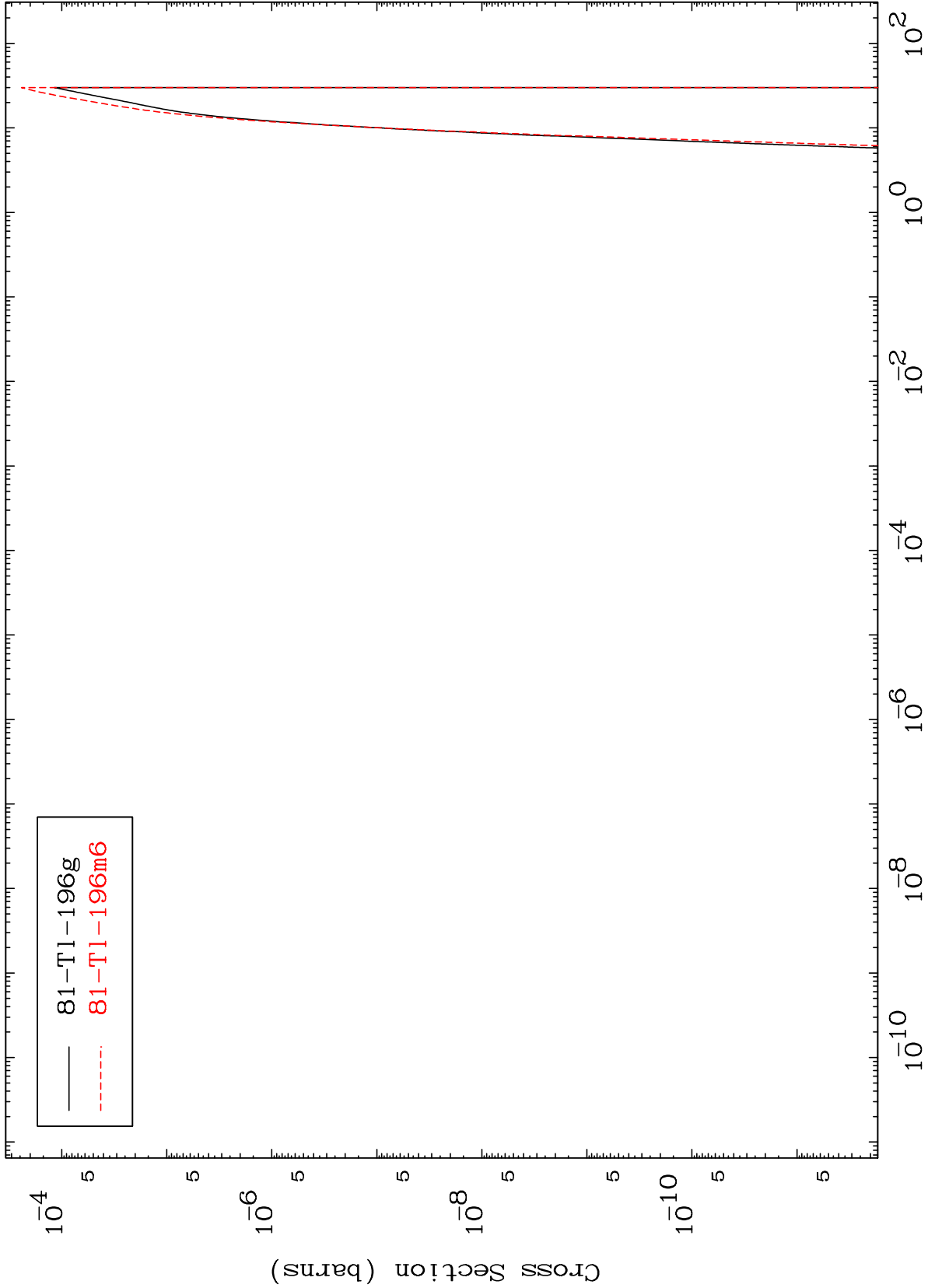


MAT 8289

(n,2p)

83-Bi-197

Radionuclide Production Cross Section

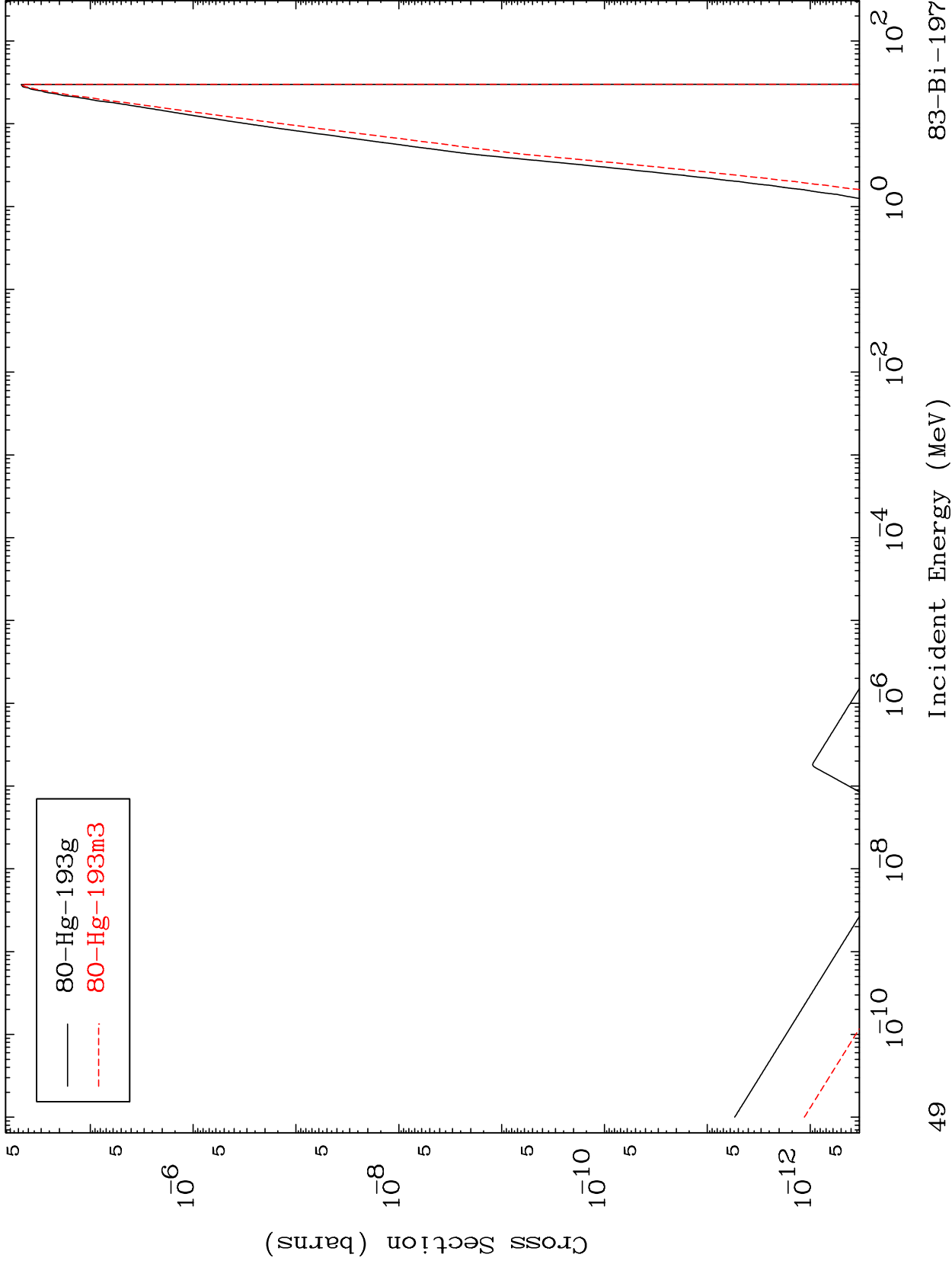


MAT 8289

(n,p) α

83-Bi-197

Radionuclide Production Cross Section

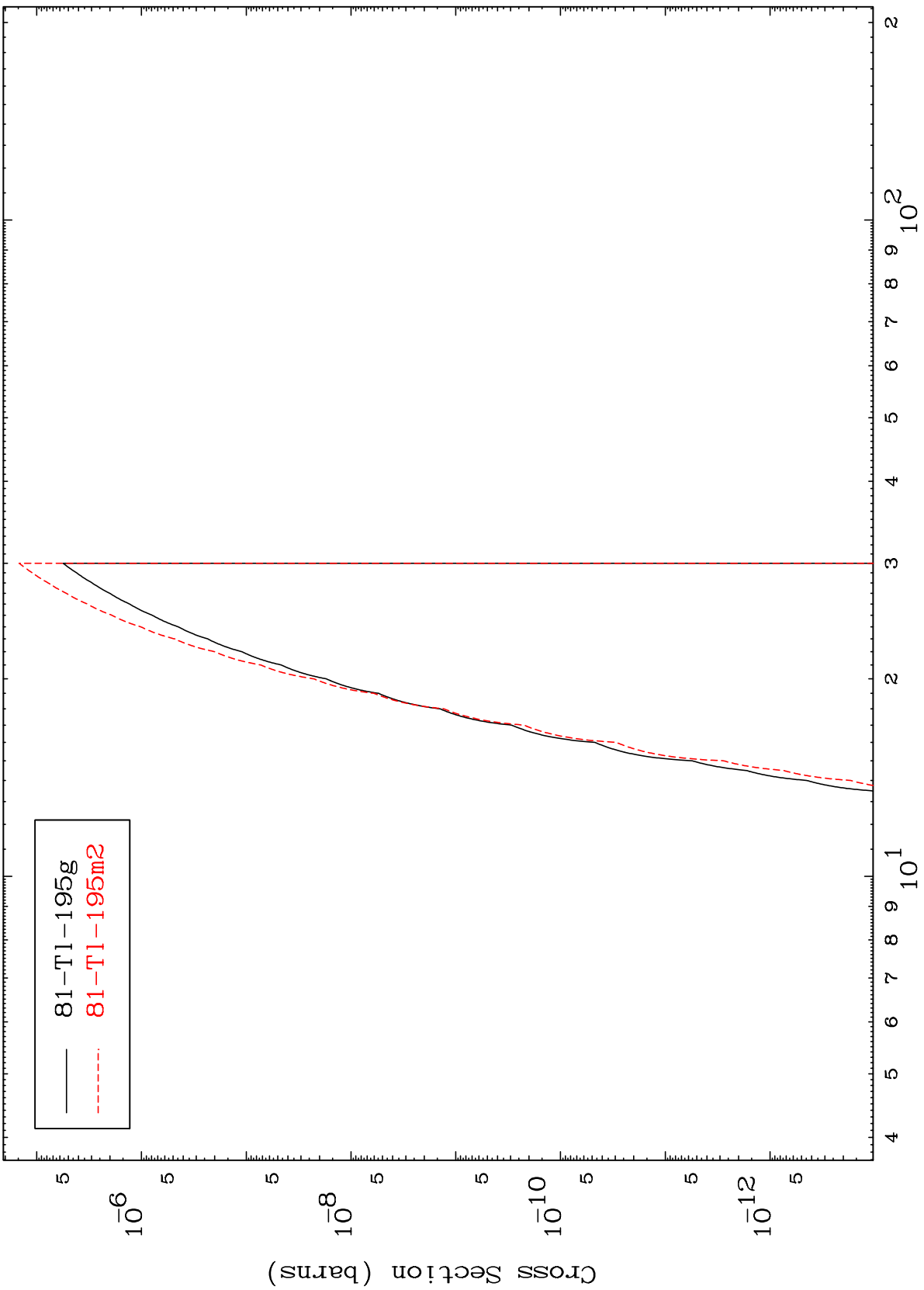


MAT 8289

(n,p) d

83-Bi-197

Radionuclide Production Cross Section



50

Incident Energy (MeV)

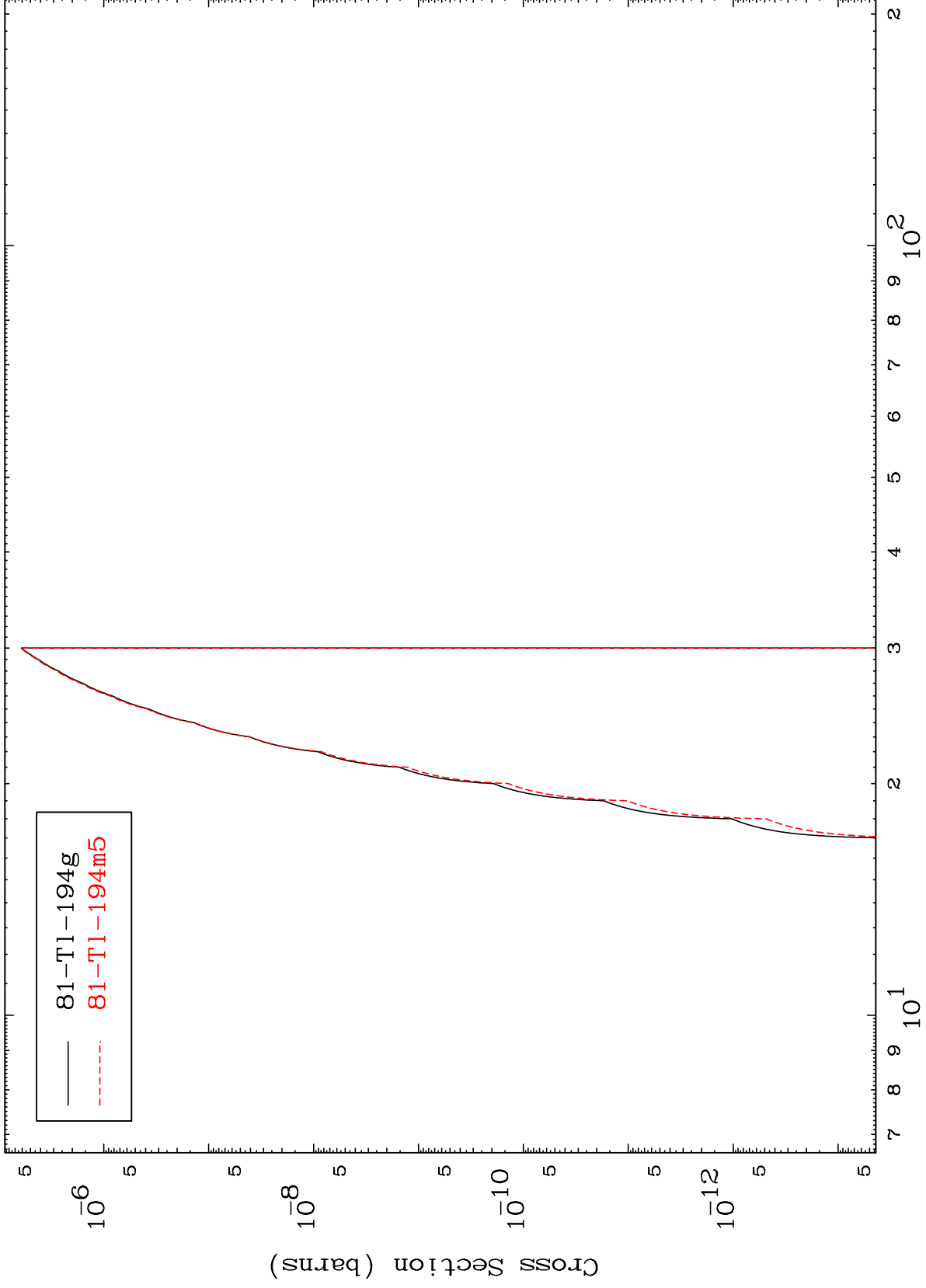
83-Bi-197

MAT 8289

(n,p) t

83-Bi-197

Radionuclide Production Cross Section



51

Incident Energy (MeV)

83-Bi-197