

Program EVALPLOT
(Version 2021-1)

by

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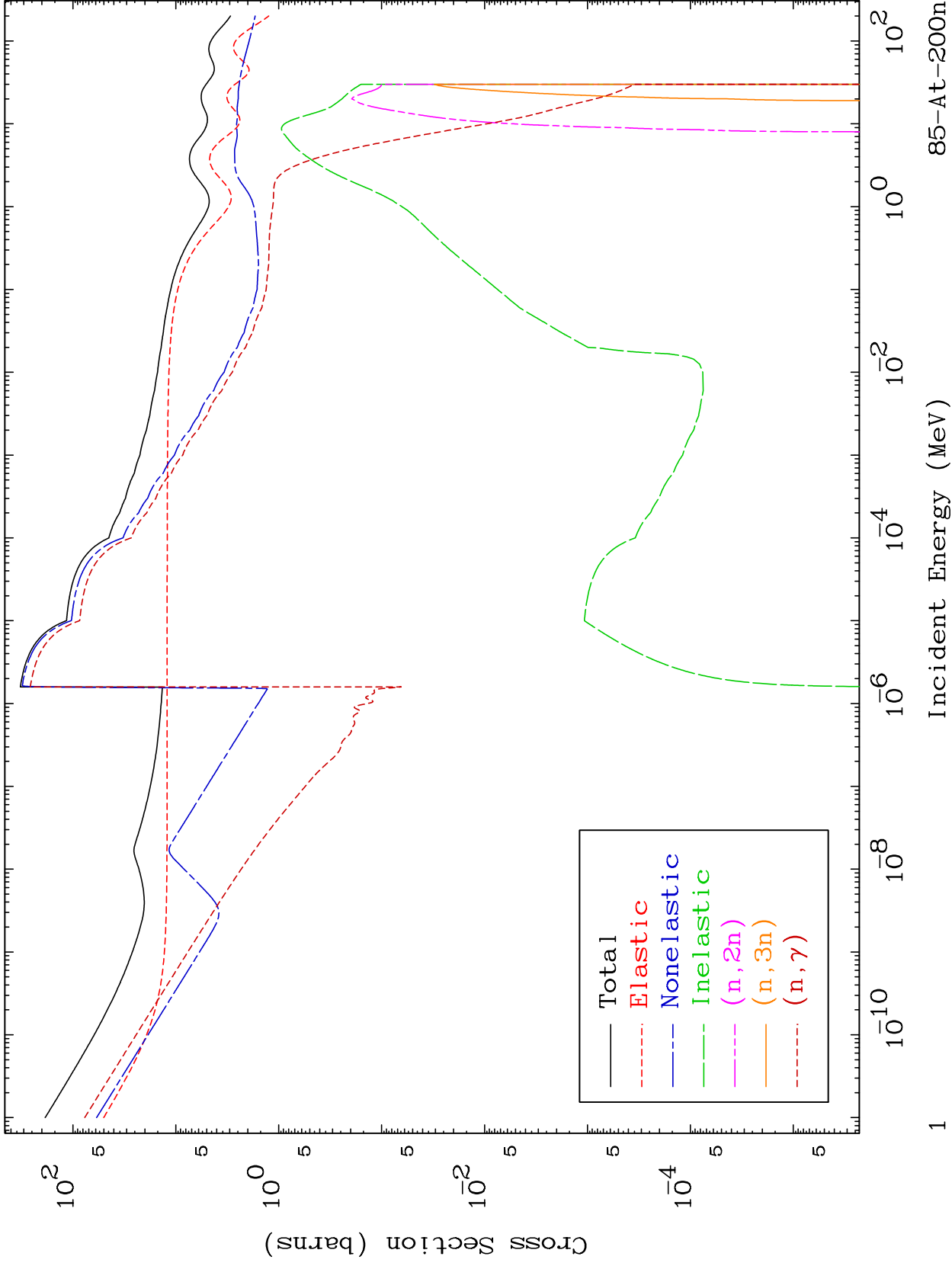
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8518

Neutron Major
293 Kelvin Cross Sections

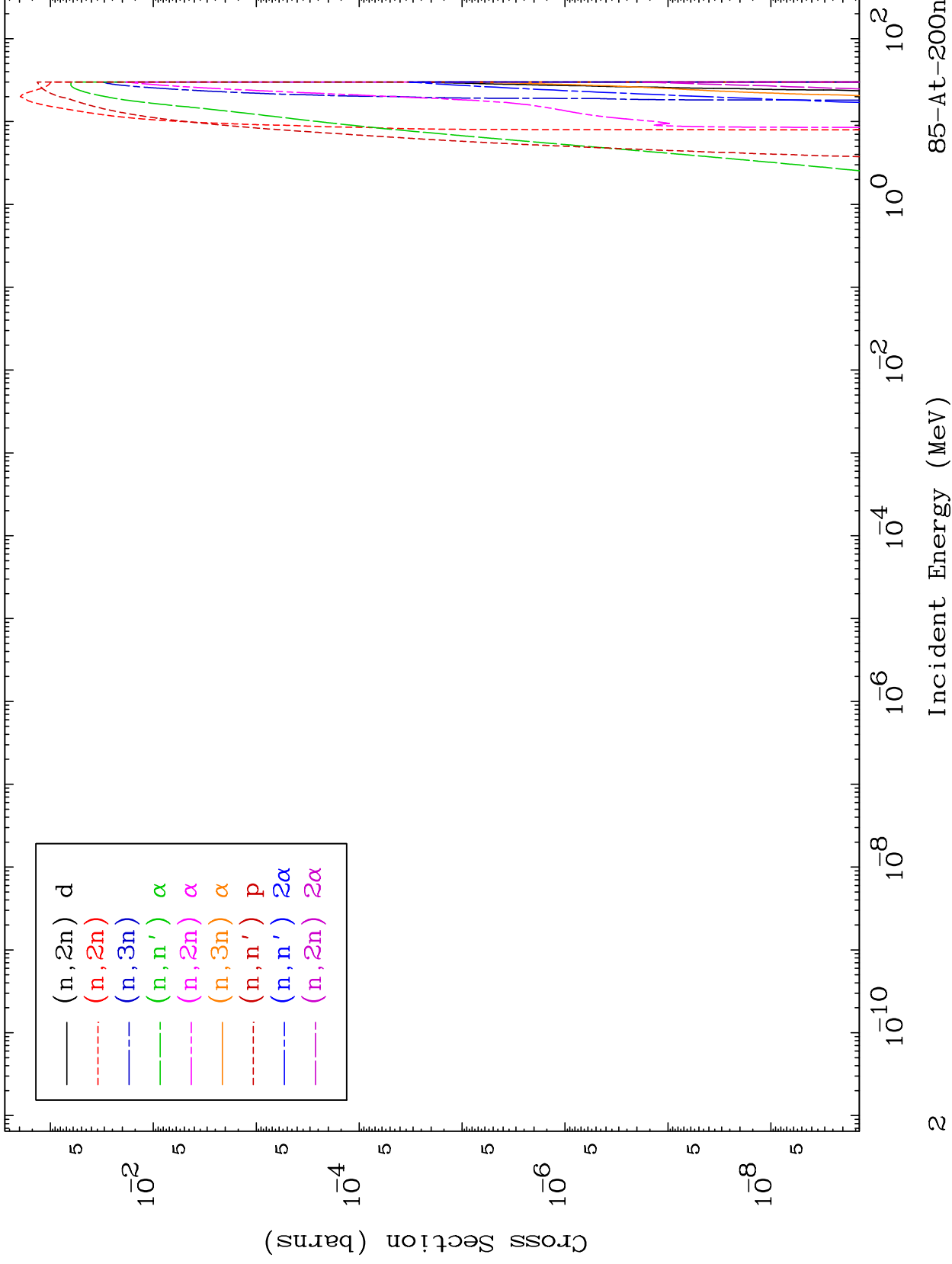
85-At-200n



MAT 8518

Neutron Absorption
293 Kelvin Cross Sections

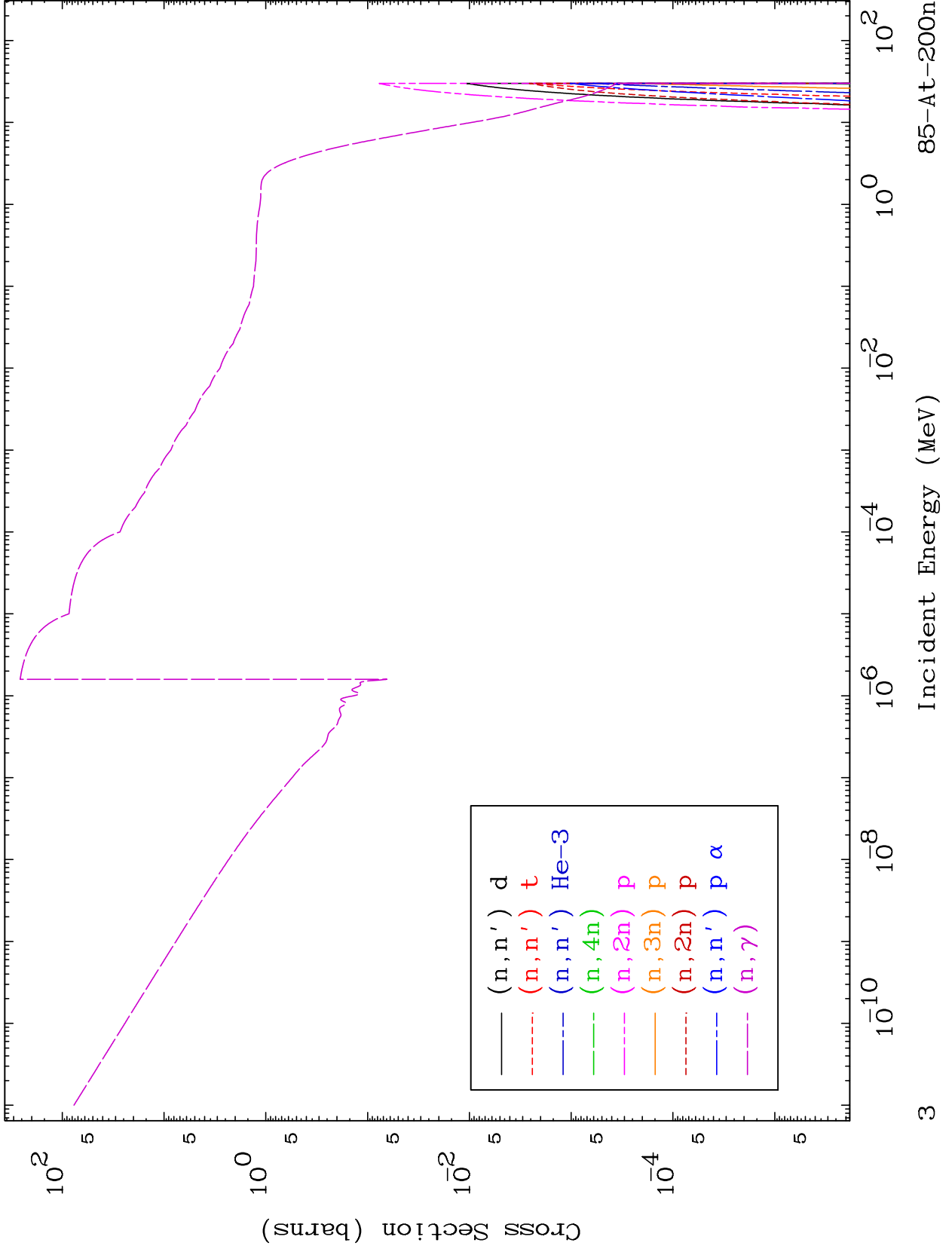
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MAT 8518

Neutron Absorption
293 Kelvin Cross Sections

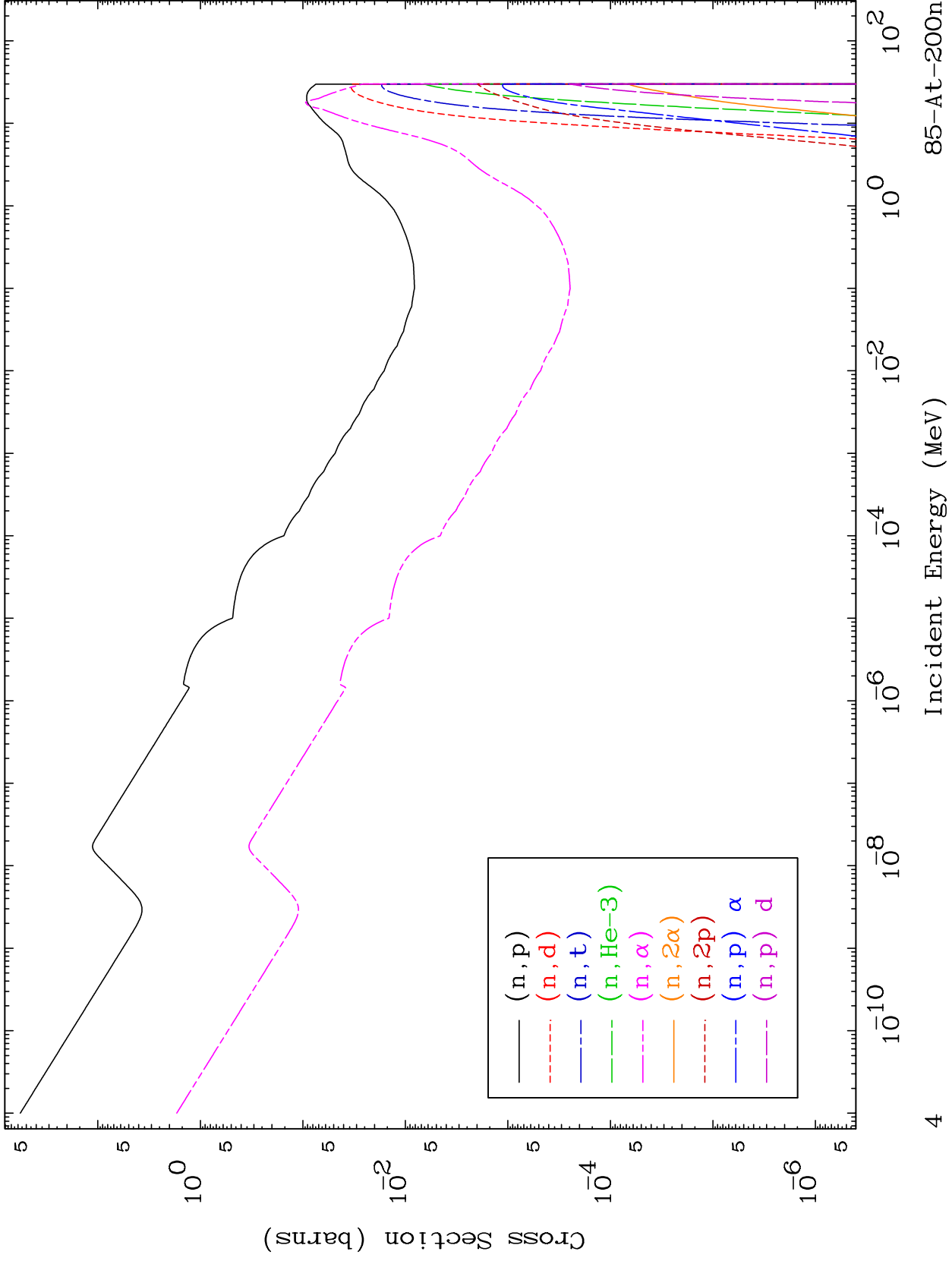
85-At-200n



MAT 8518

Neutron Absorption
293 Kelvin Cross Sections

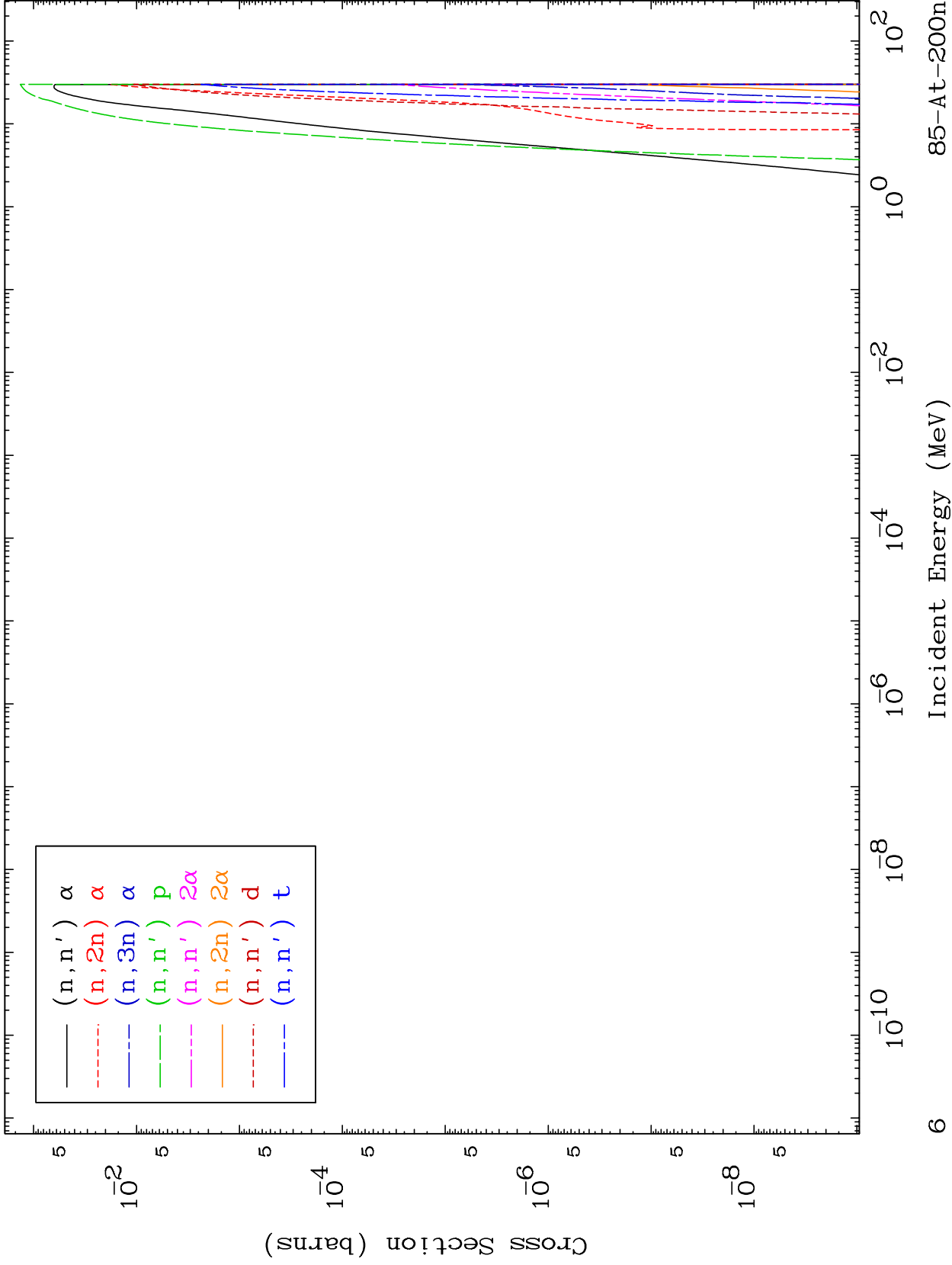
85-At-200n



MAT 8518

Charged Particle
293 Kelvin Cross Sections

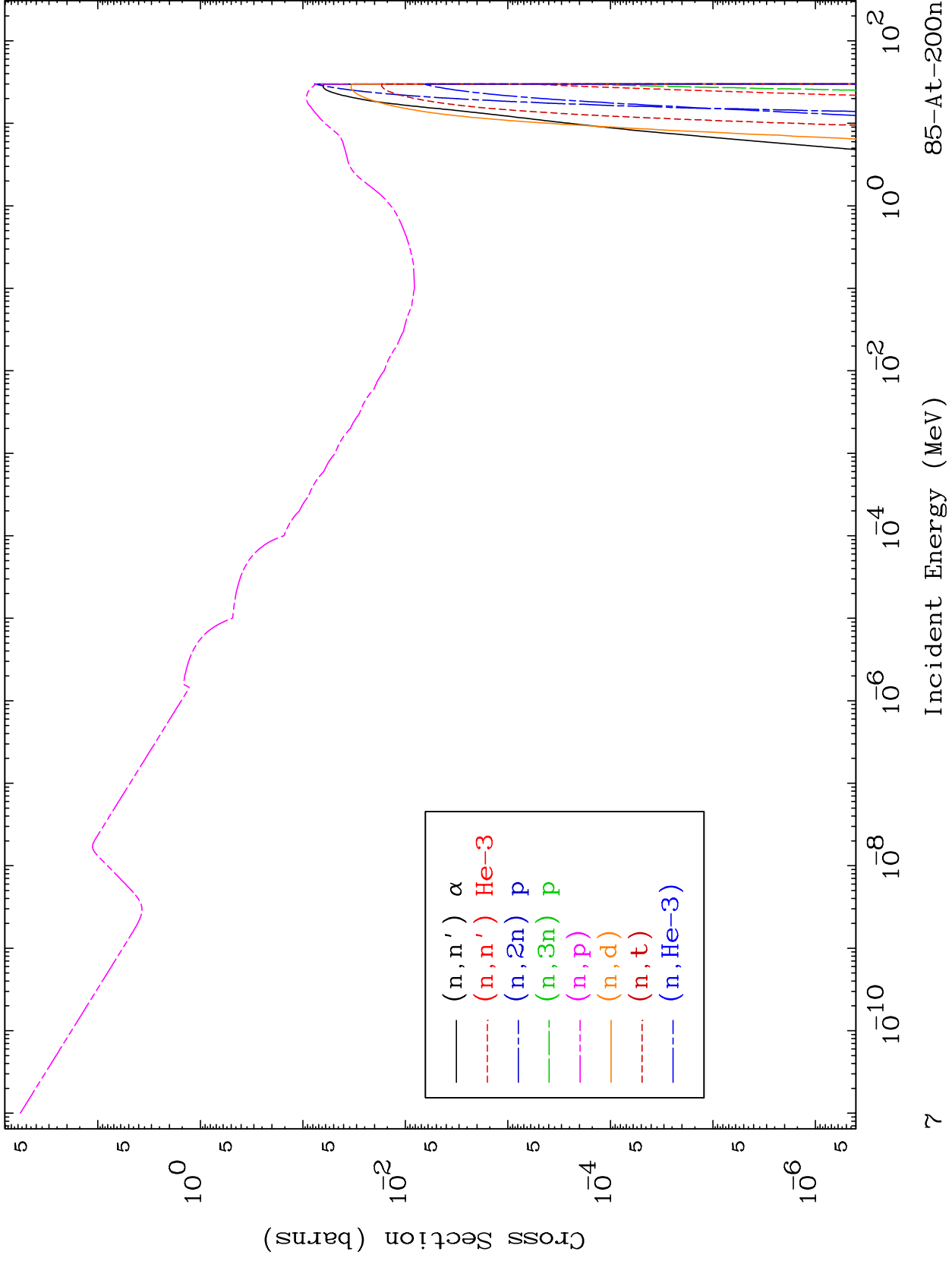
85-At-200n



MAT 8518

Charged Particle
293 Kelvin Cross Sections

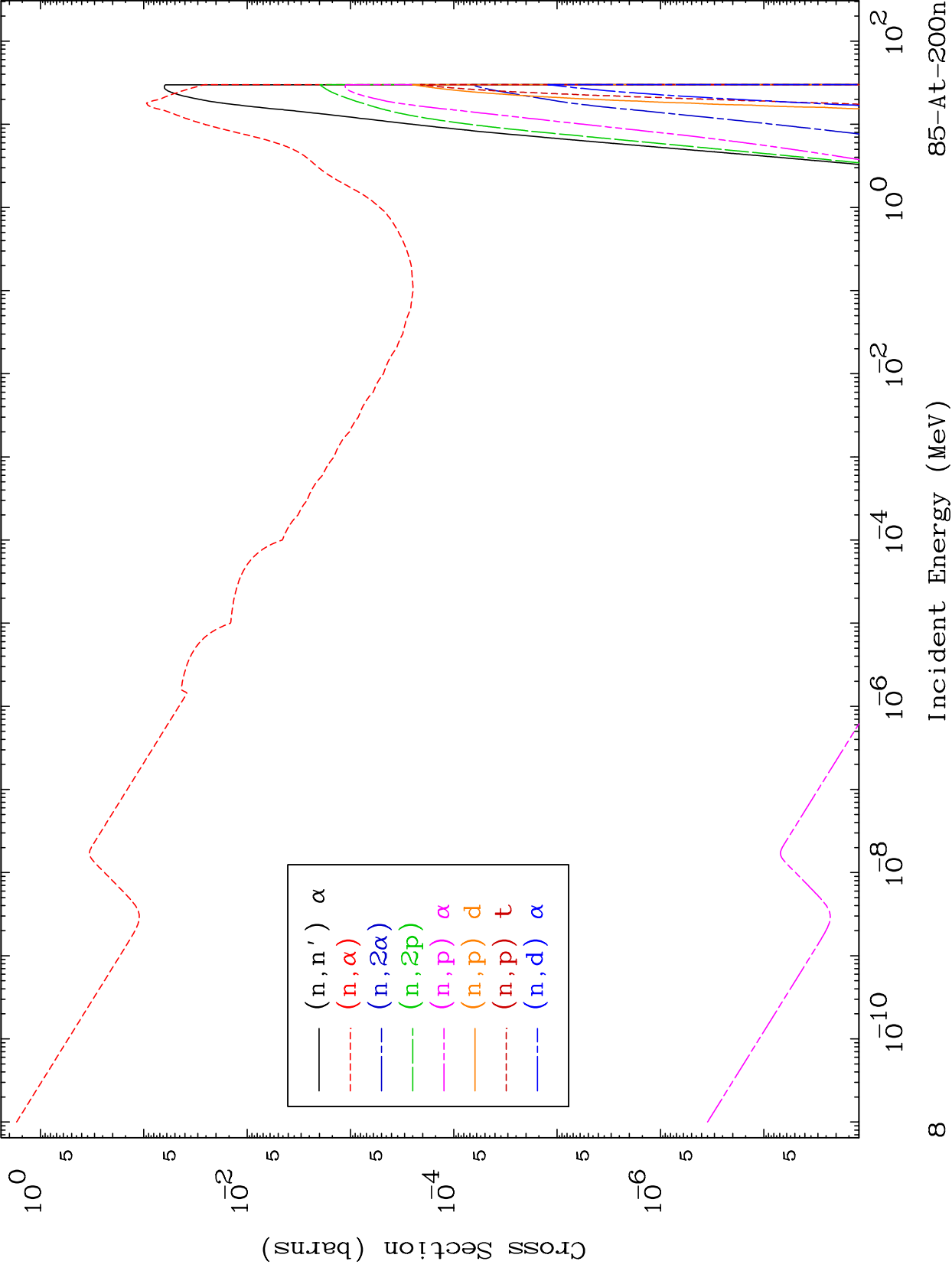
85-At-200n



MAT 8518

Charged Particle
293 Kelvin Cross Sections

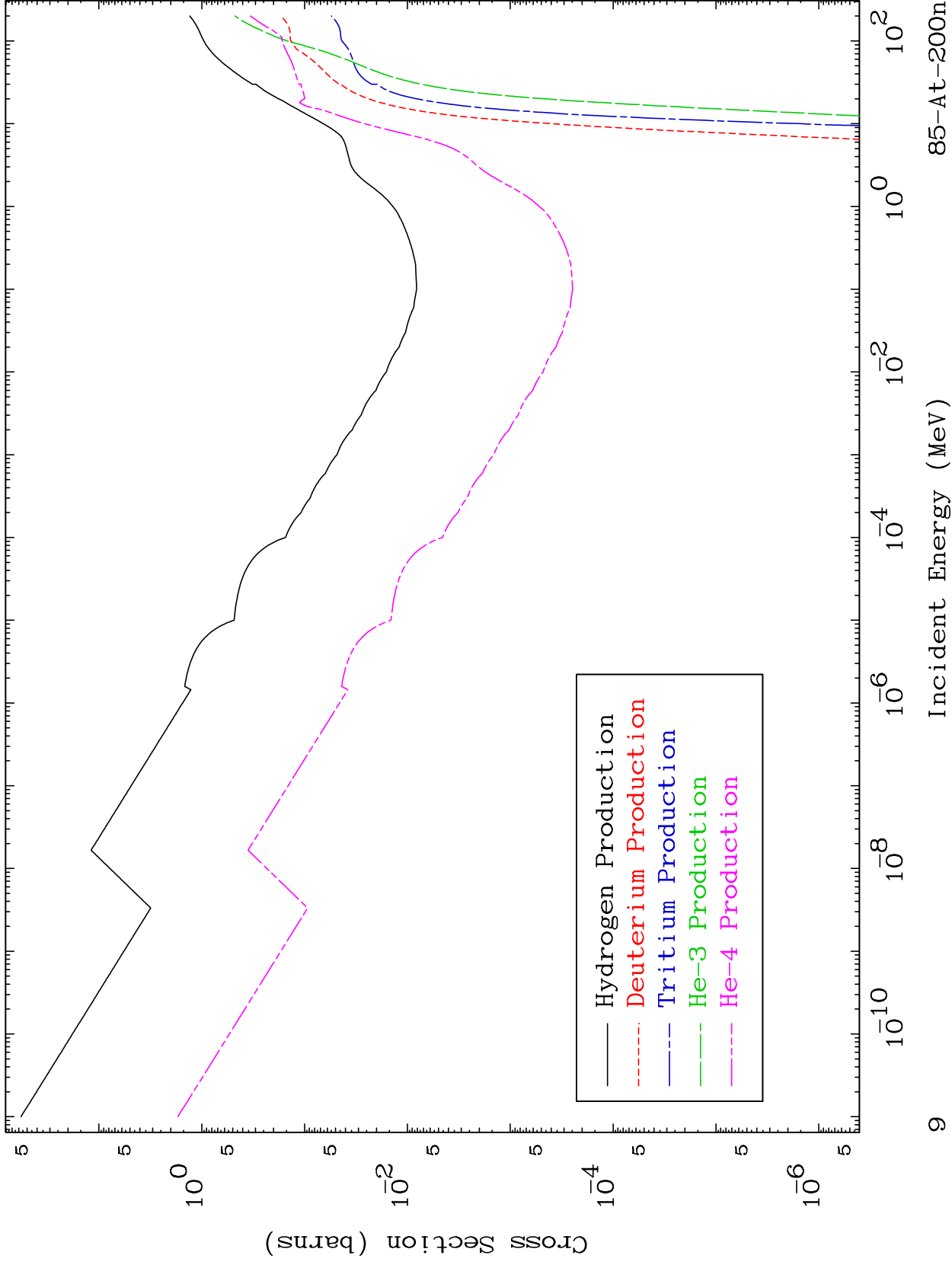
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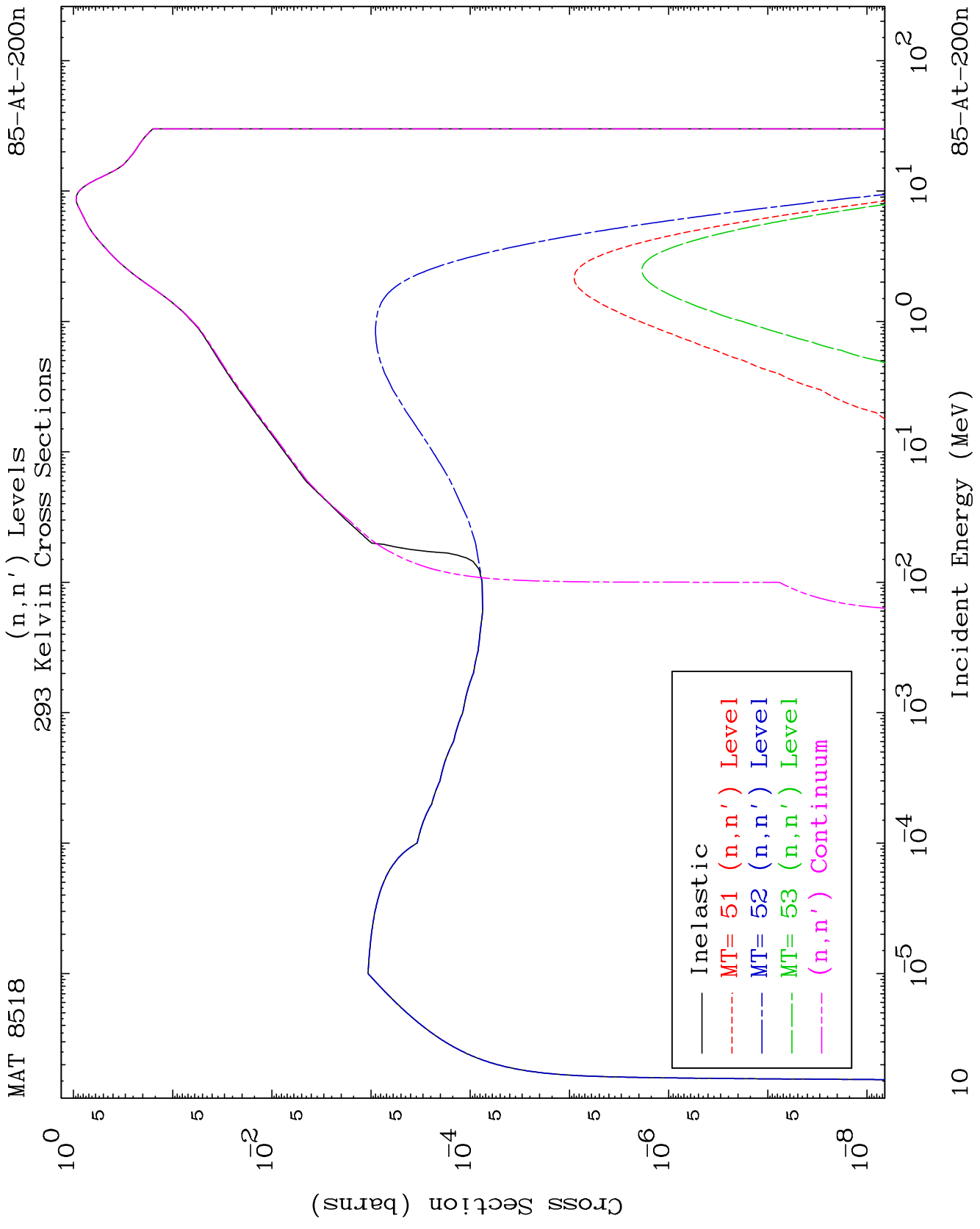


MAT 8518

Particle Production
293 Kelvin Cross Sections

85-At-200n

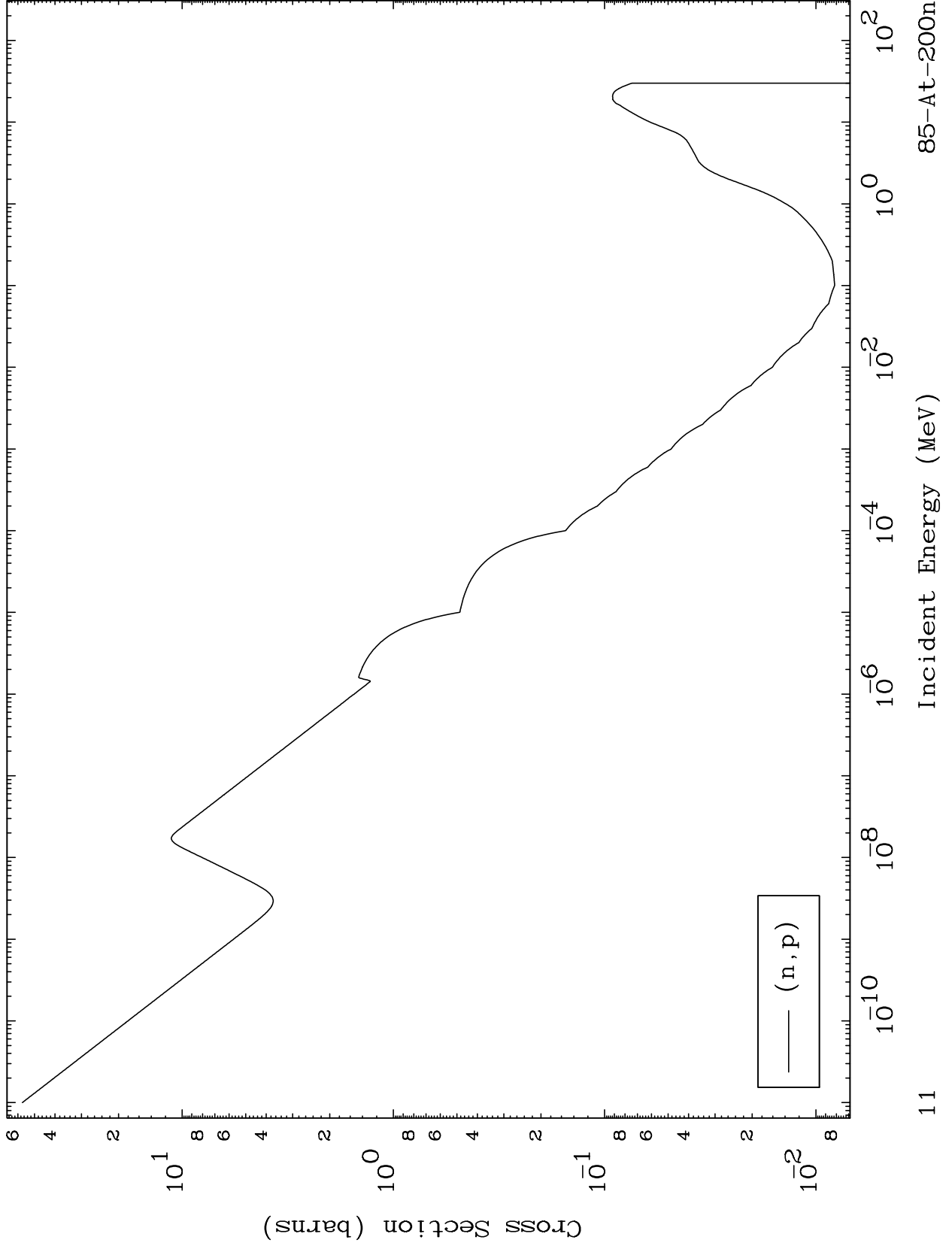




MAT 8518

(n,p) Levels
293 Kelvin Cross Sections

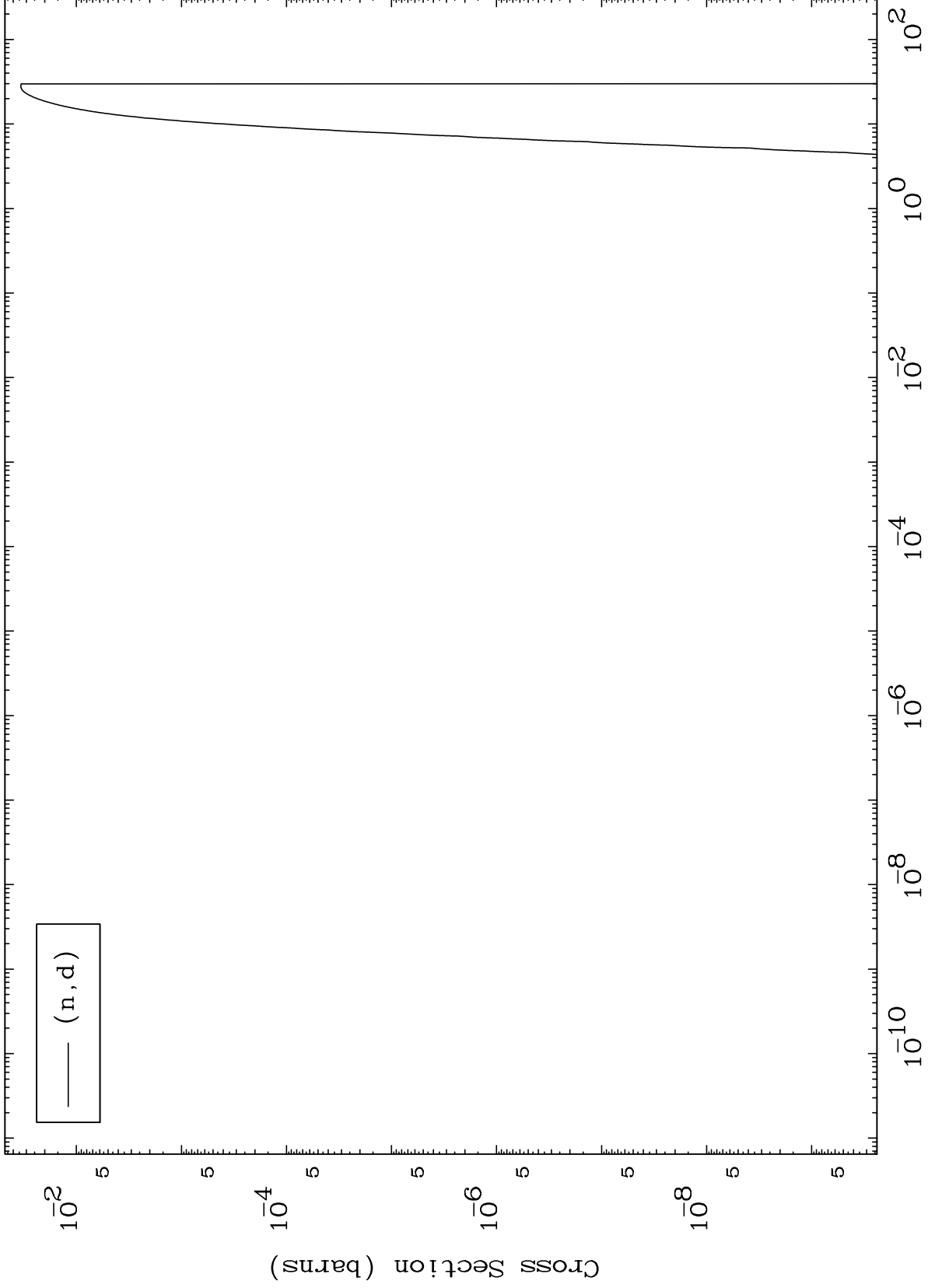
85-At-200n



MAT 8518

(n,d) Levels
293 Kelvin Cross Sections

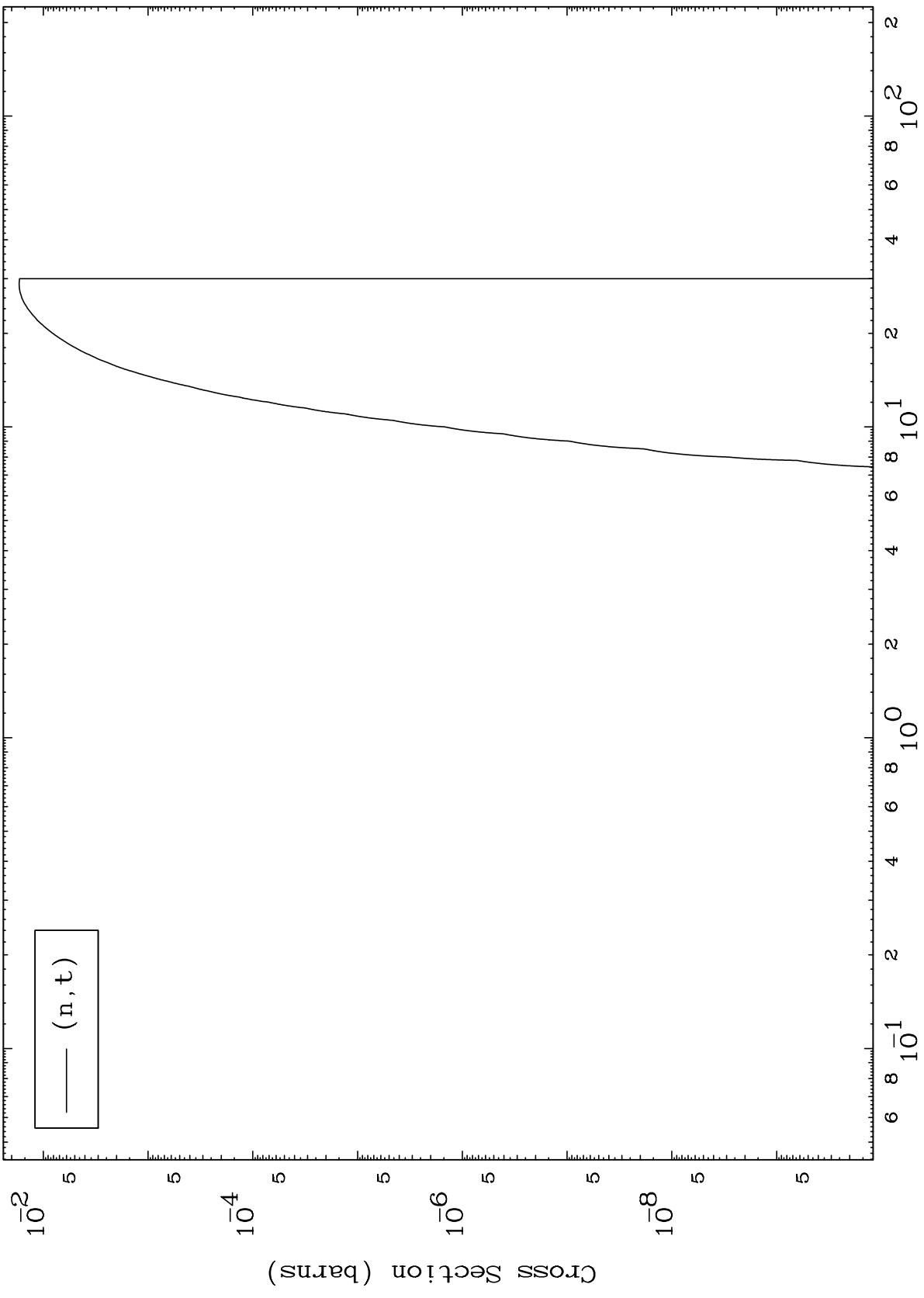
85-At-200n



MAT 8518

(n,t) Levels
293 Kelvin Cross Sections

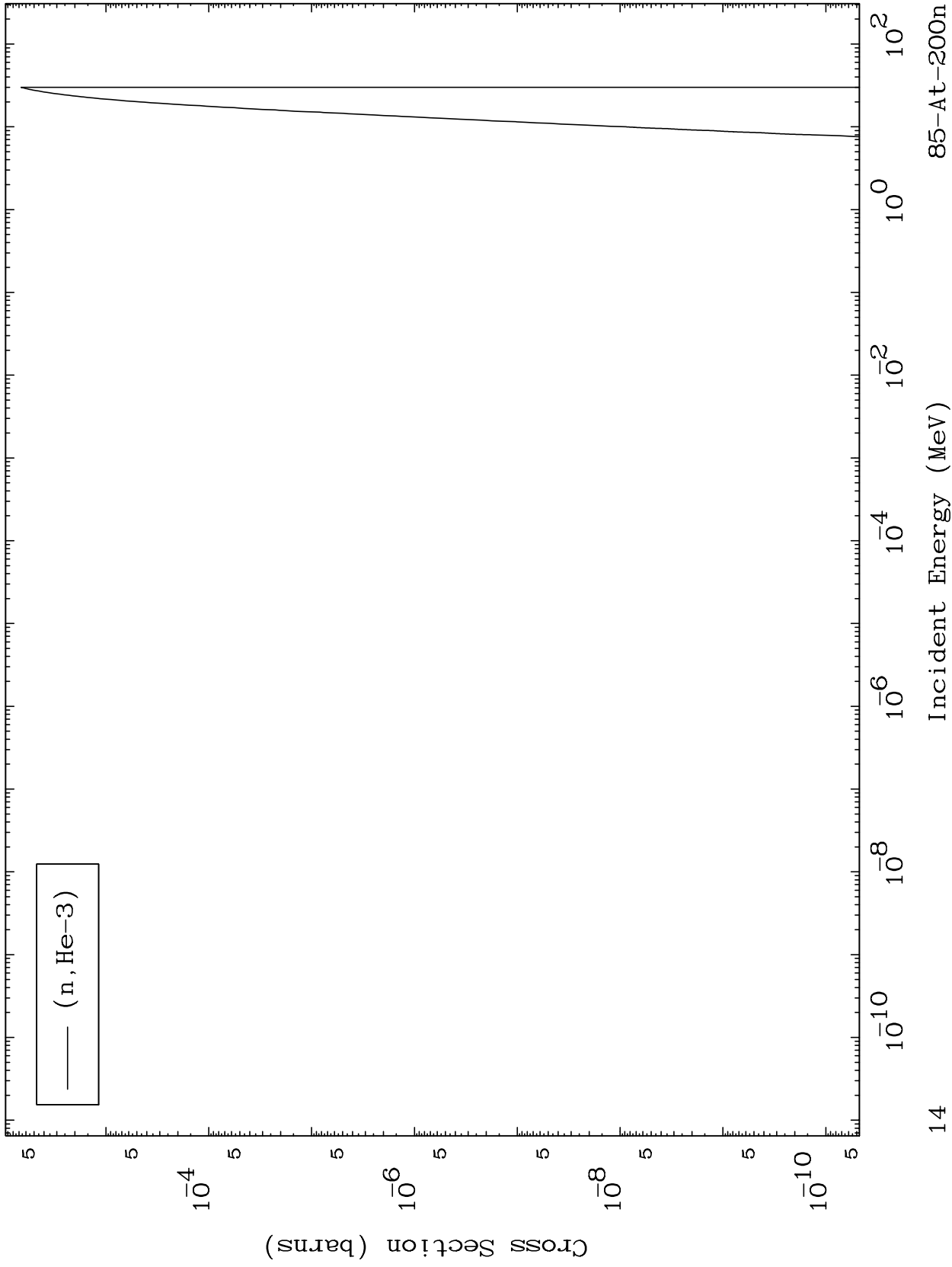
85-At-200n



MAT 8518

(n,He3) Levels
293 Kelvin Cross Sections

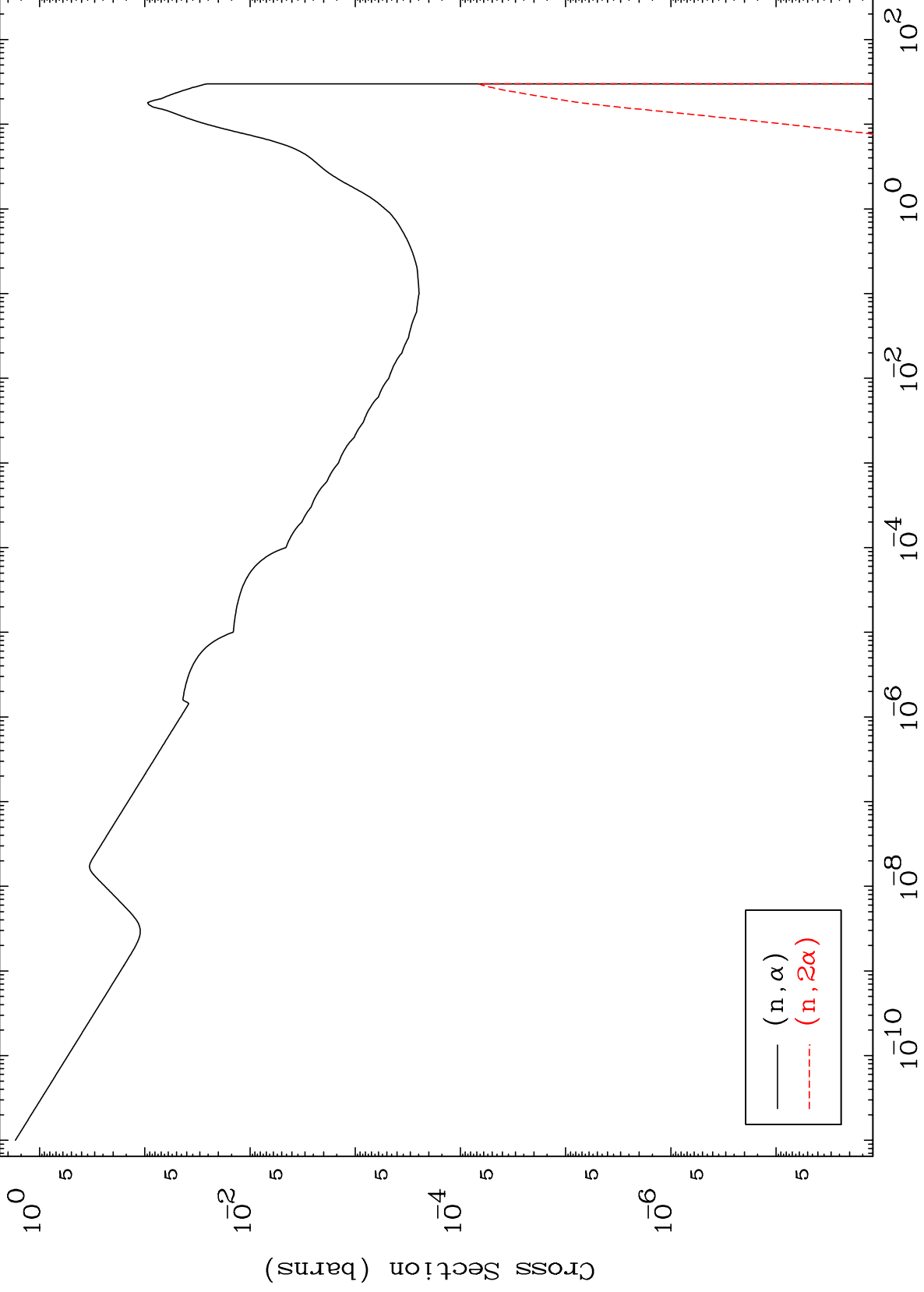
85-At-200n



MAT 8518

(n, α) Levels
293 Kelvin Cross Sections

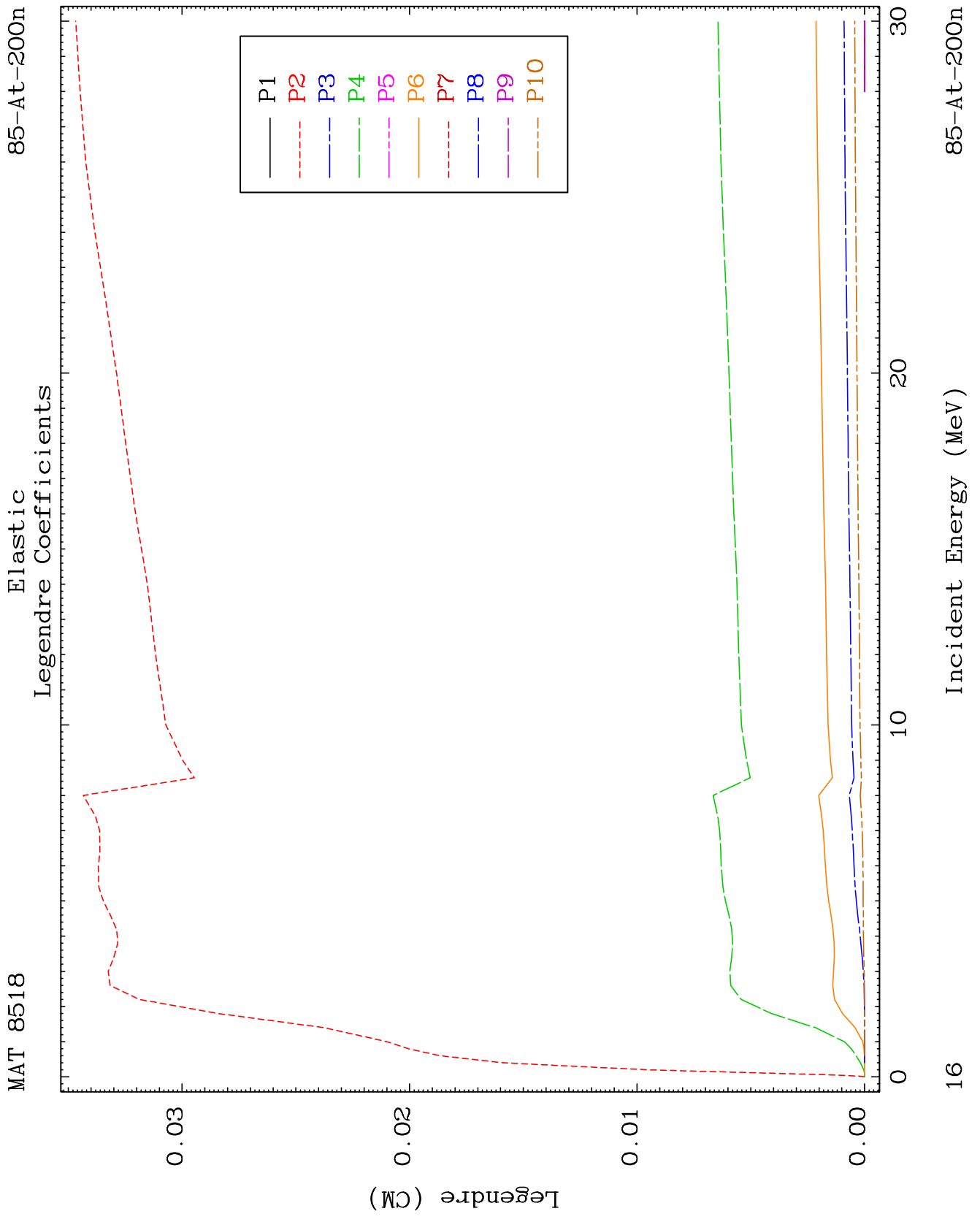
85-At-200n



15

Incident Energy (MeV)

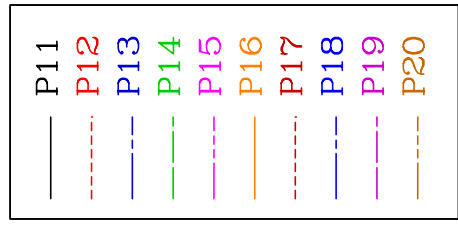
85-At-200n



MAT 8518

Elastic Legendre Coefficients

85-At-200n



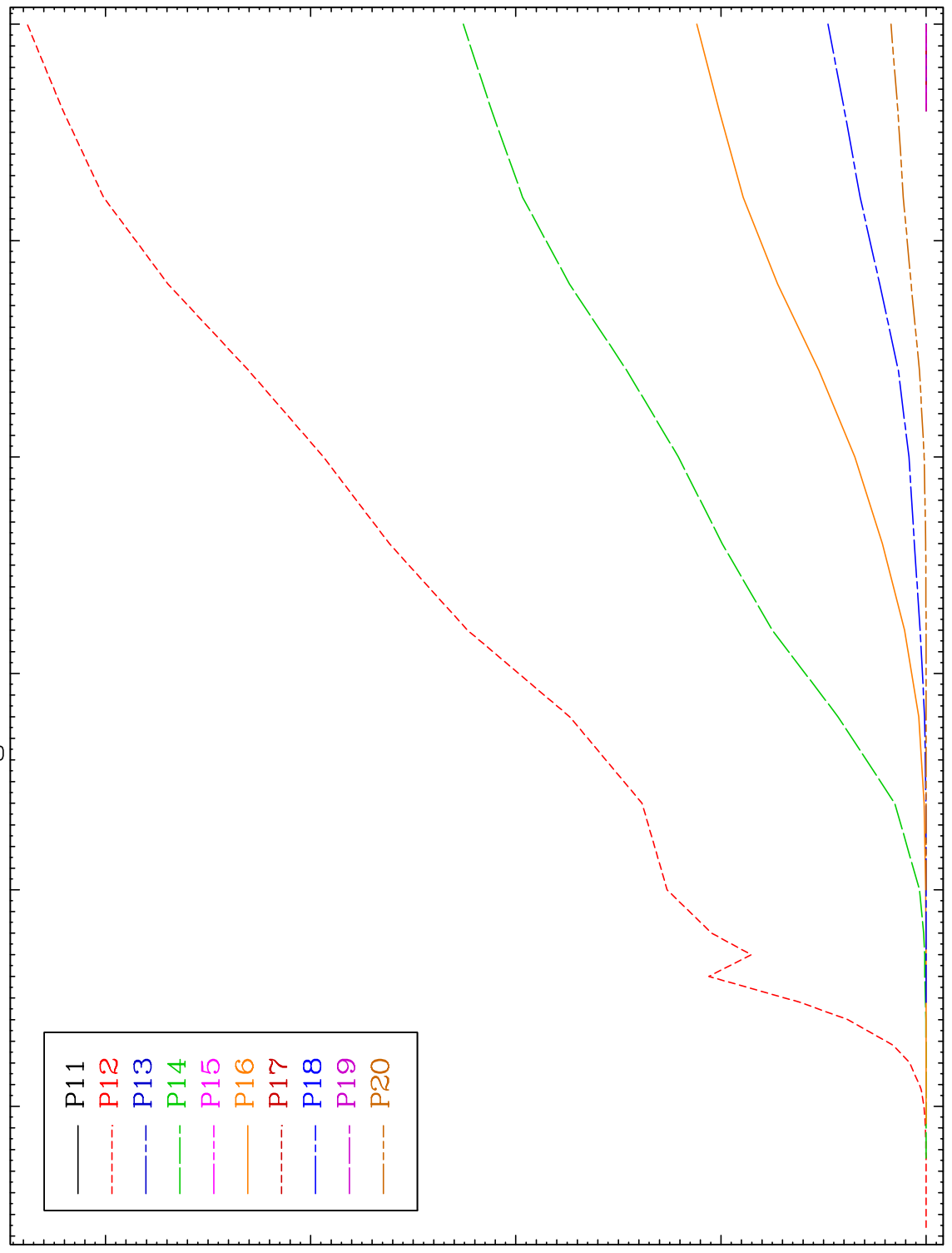
$\times 10^{-4}$
2.0
1.5
1.0
0.5
0.0

Legendre (CM)

17

Incident Energy (MeV)

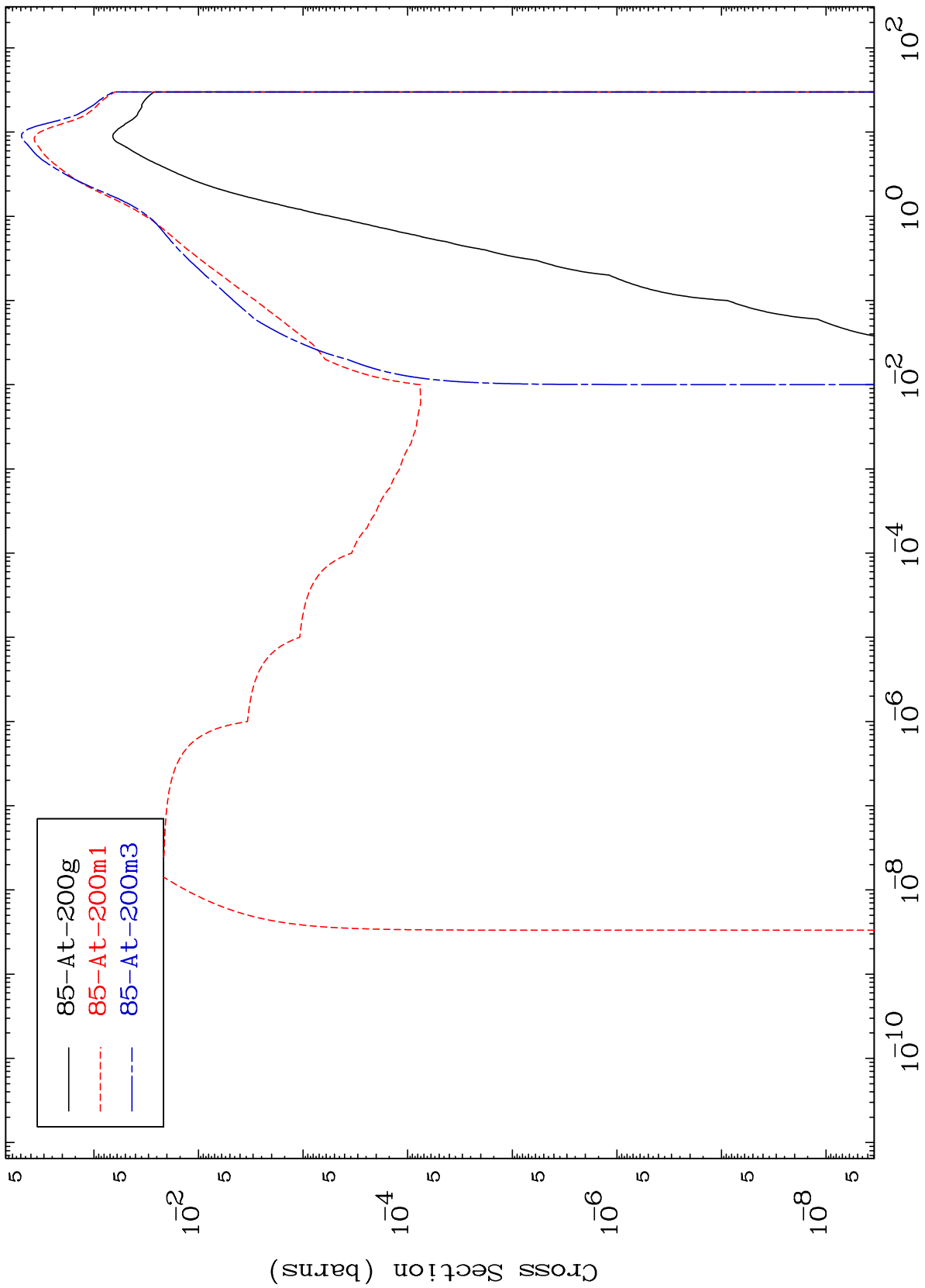
85-At-200n



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85-At-200n

Inelastic
Radionuclide Production Cross Section



19

85-At-200n

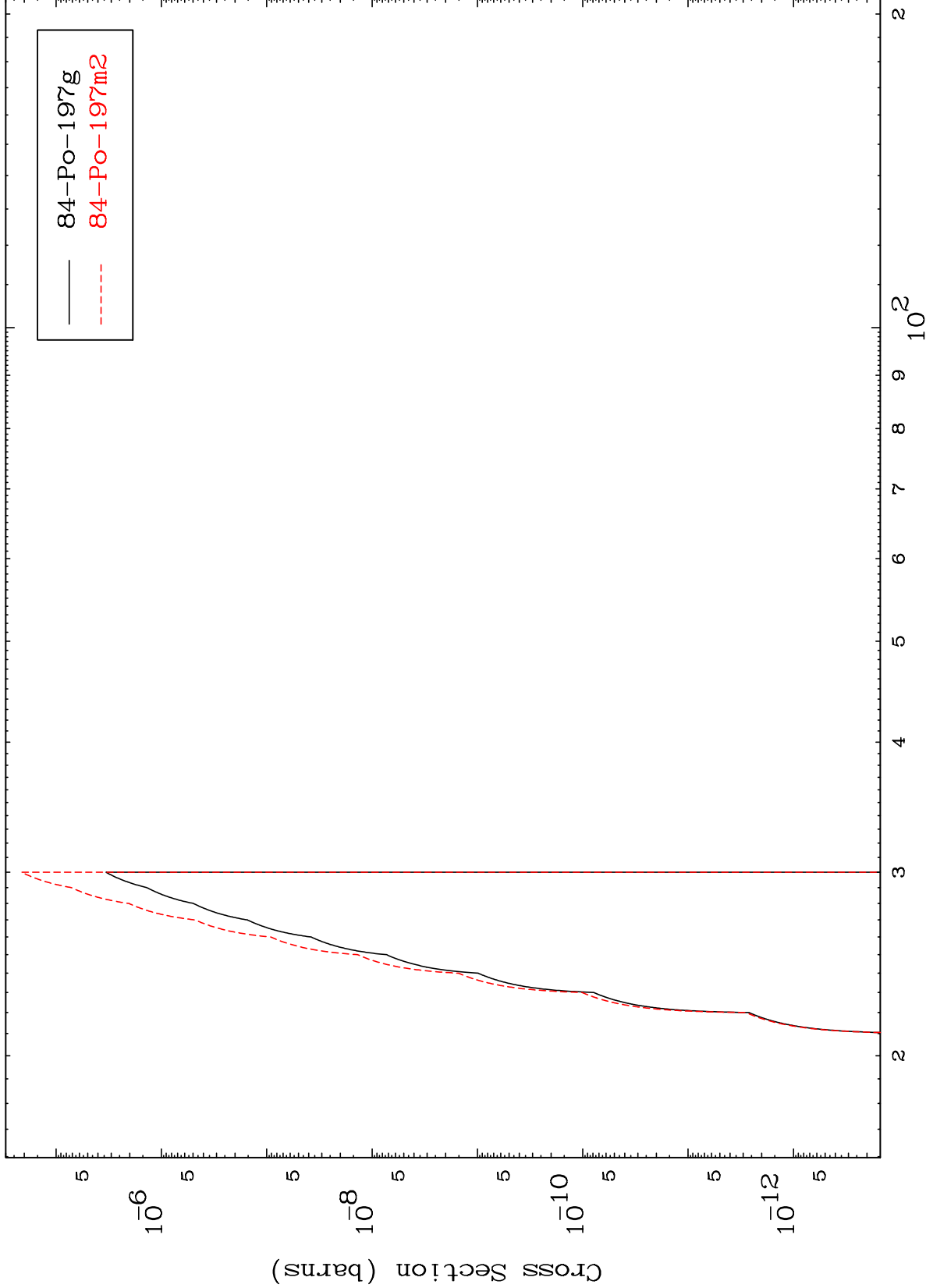
Incident Energy (MeV)

MAT 8518

(n,2n) d

85-At-200n

Radionuclide Production Cross Section



20

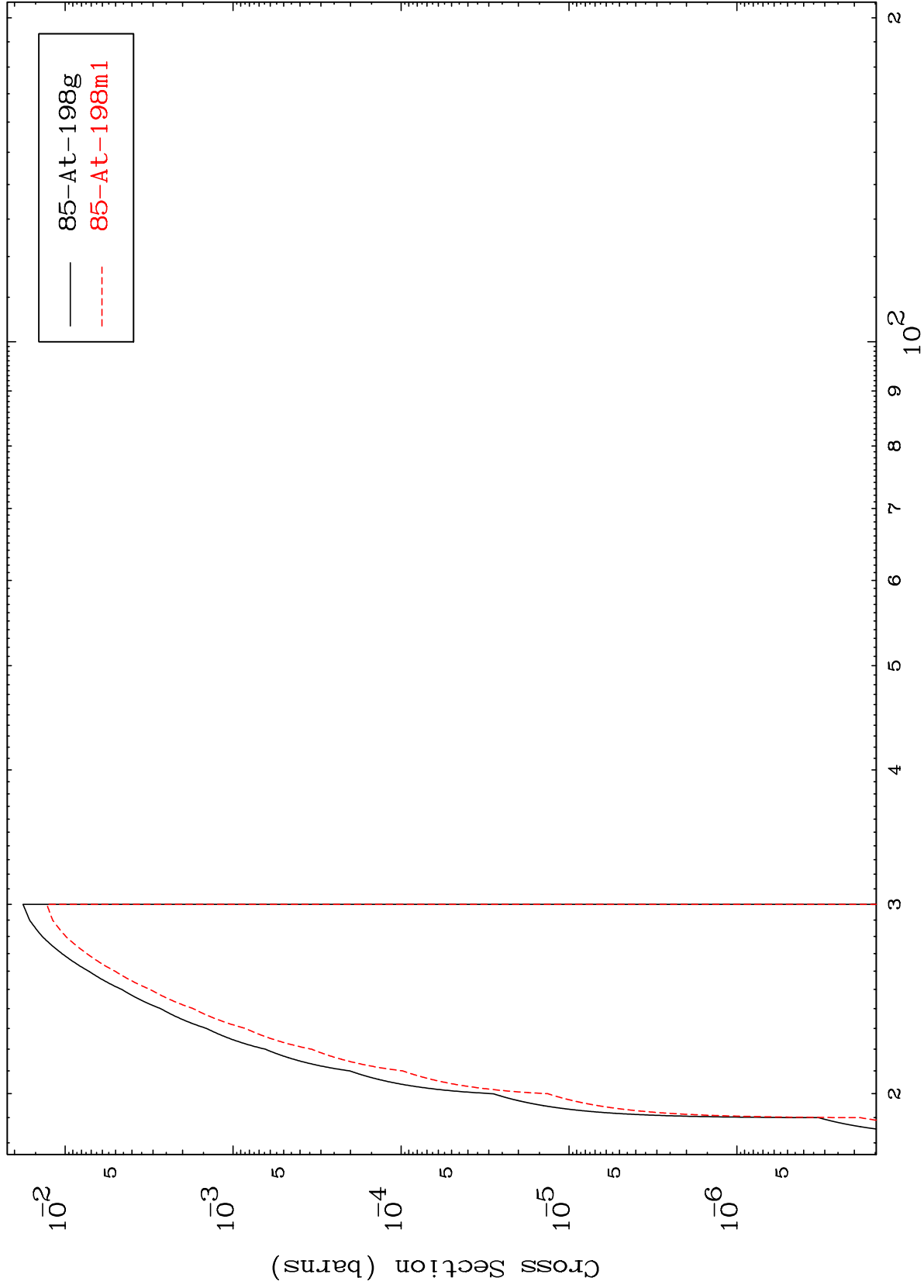
Incident Energy (MeV)

85-At-200n

MAT 8518

85-At-200n

(n,3n)
Radionuclide Production Cross Section



21

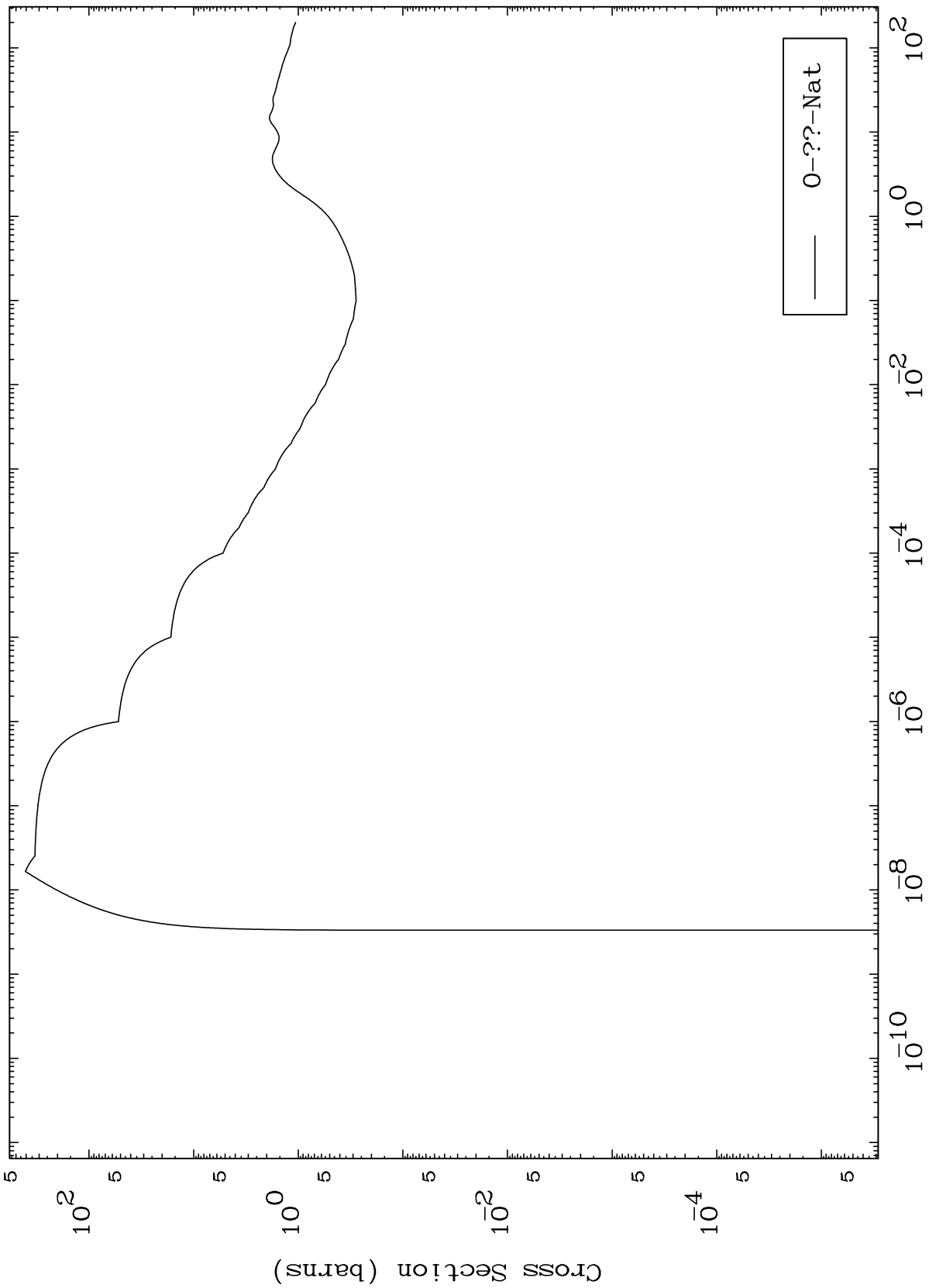
Incident Energy (MeV)

85-At-200n

MAT 8518

85-At-200n

Fission
Radionuclide Production Cross Section

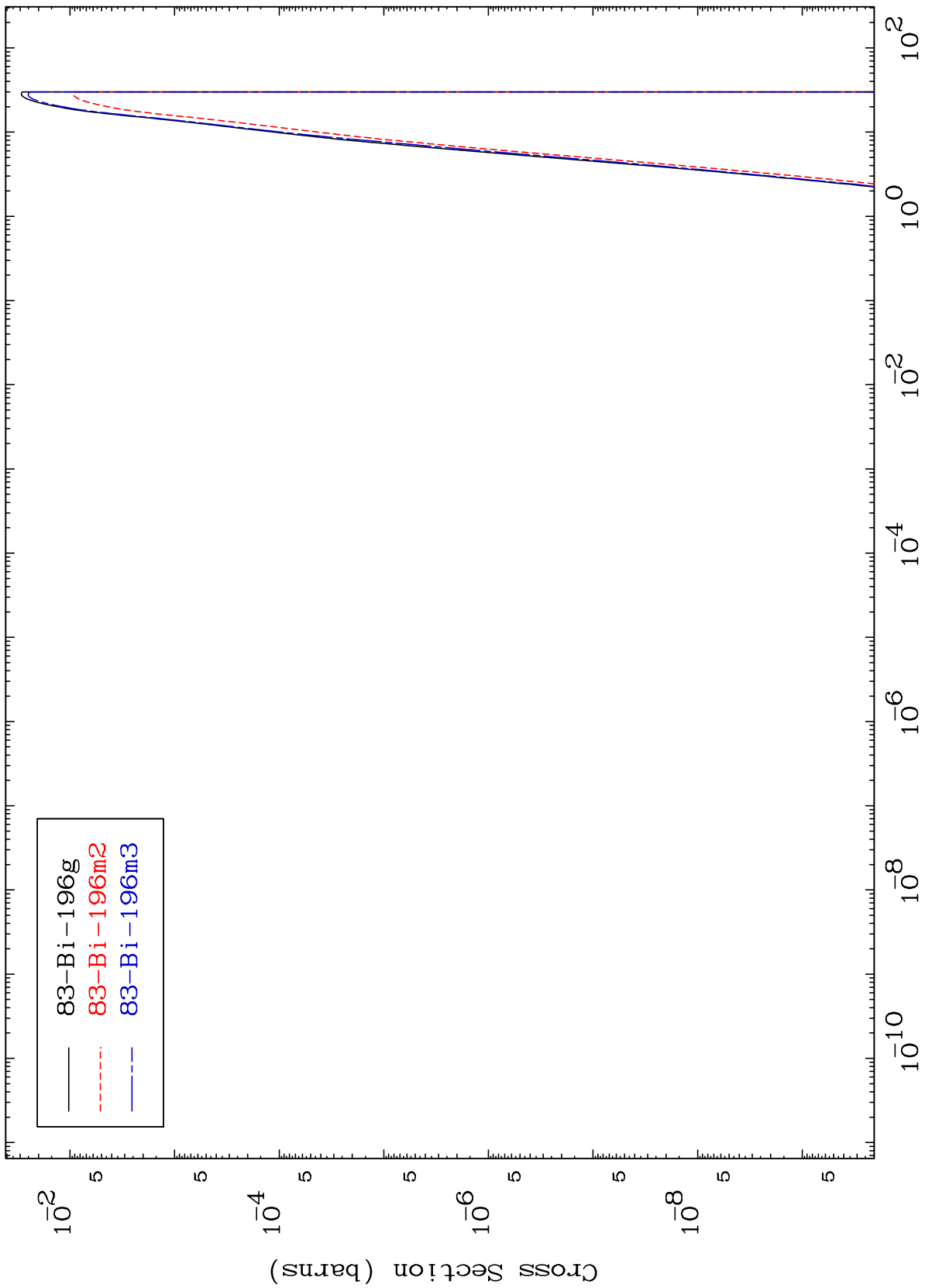


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$(n, n') \alpha$

85-At-200n

Radionuclide Production Cross Section

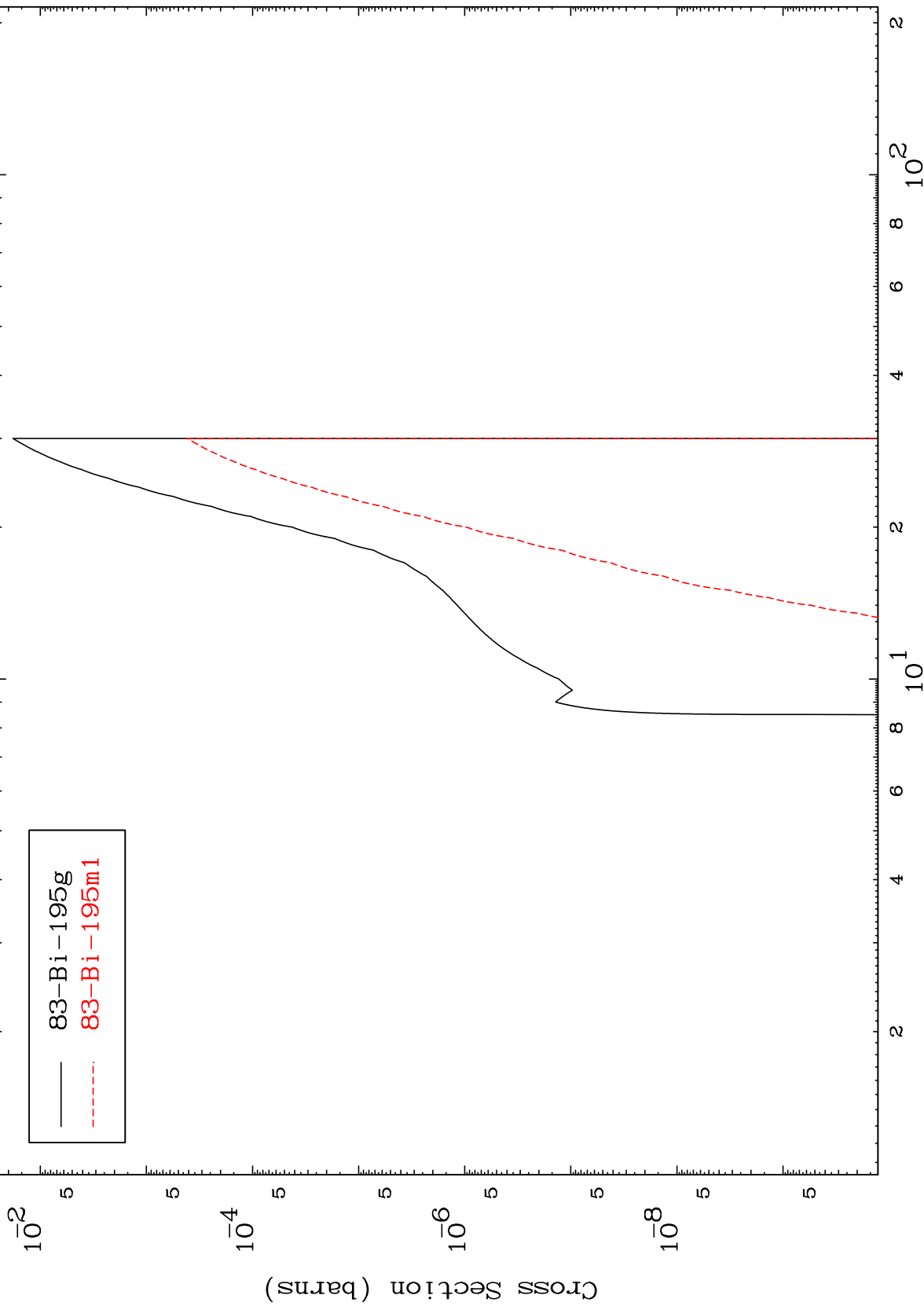


MAT 8518

(n,2n) α

85-At-200n

Radionuclide Production Cross Section



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

24

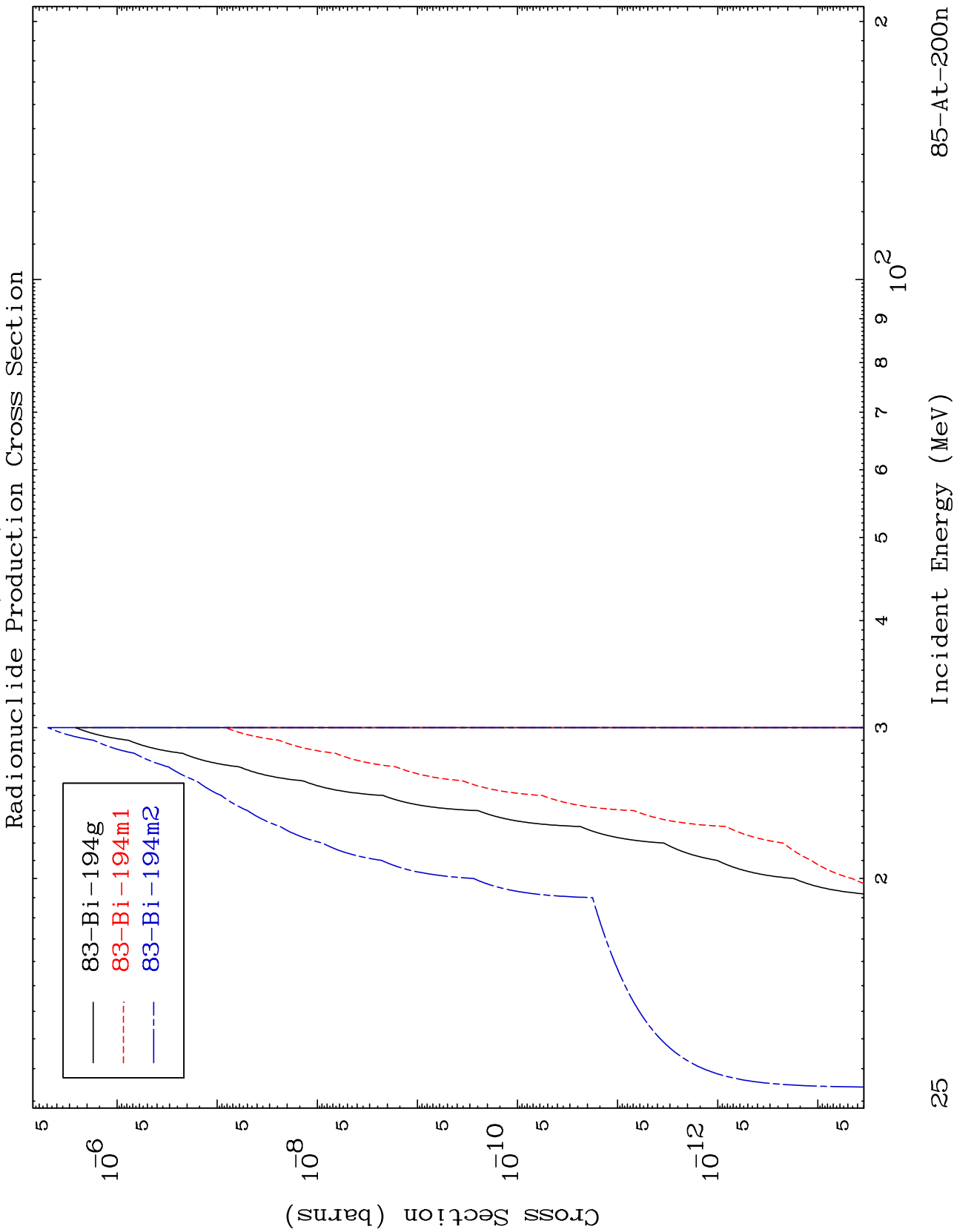
Incident Energy (MeV)

85-At-200n

MAT 8518

(n,3n) α

85-At-200n



25

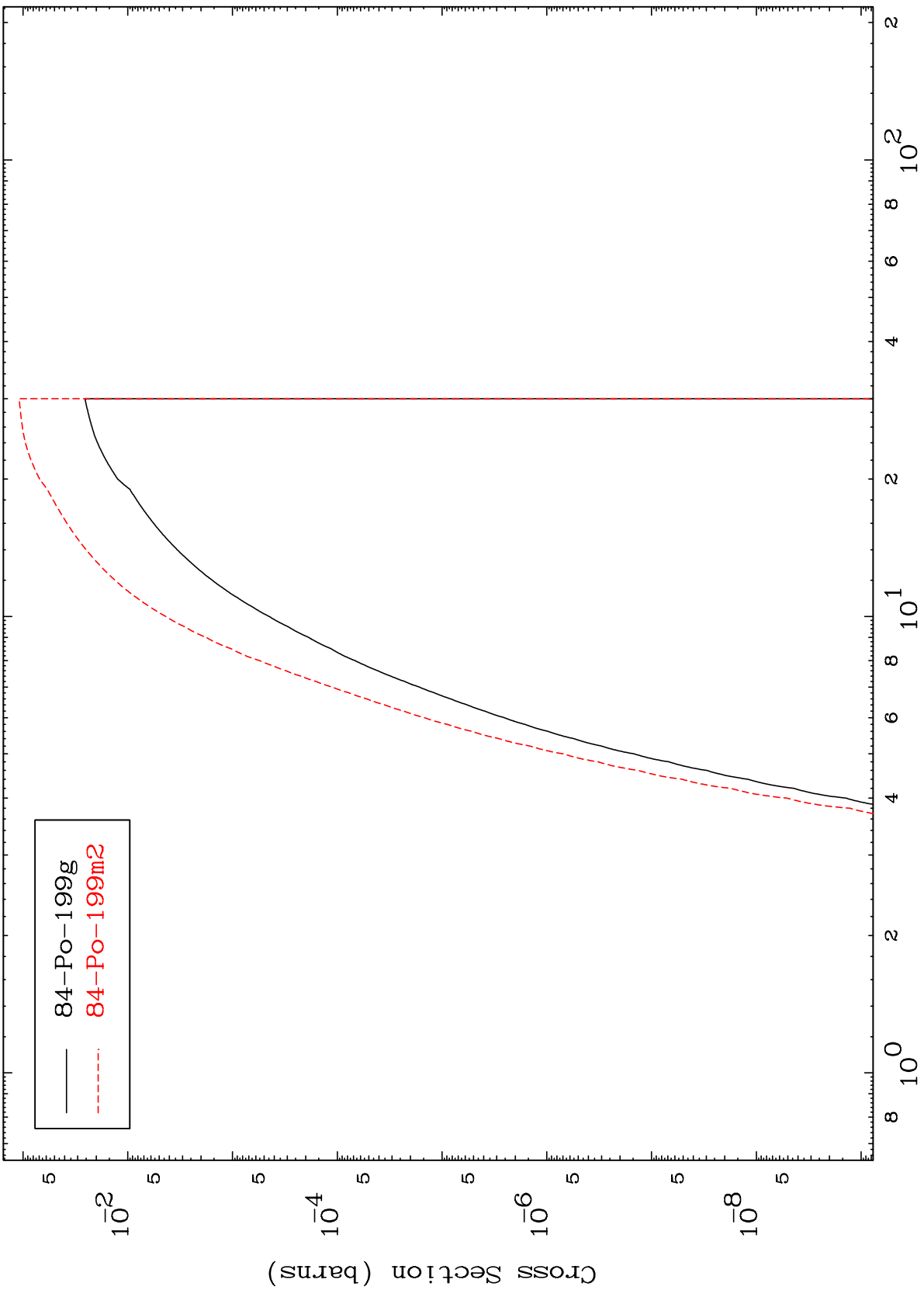
85-At-200n

MAT 8518

(n,n') p

85-At-200n

Radionuclide Production Cross Section



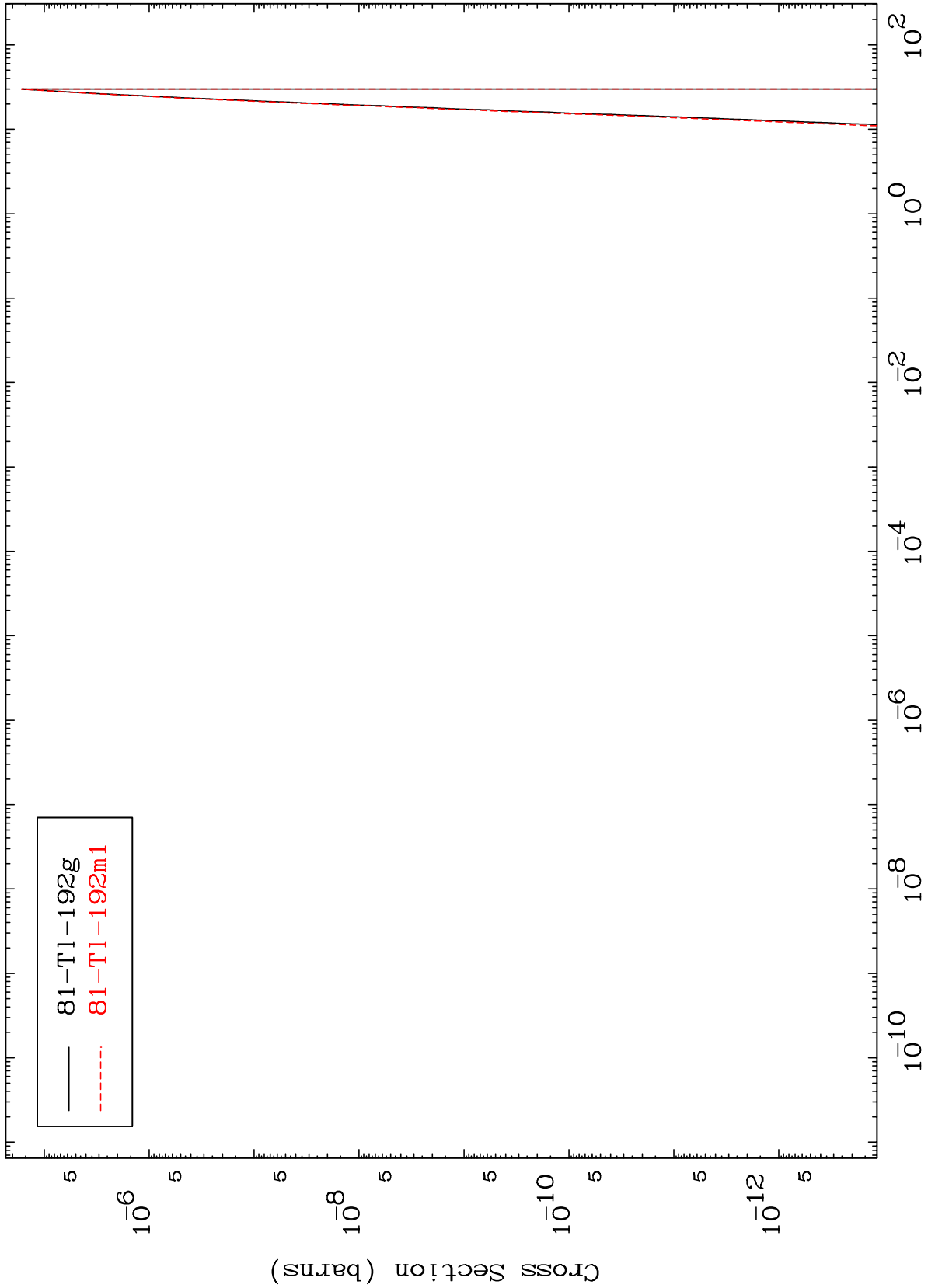
84-Po-199g
84-Po-199m2

MAT 8518

(n,n') 2 α

85-At-200n

Radionuclide Production Cross Section

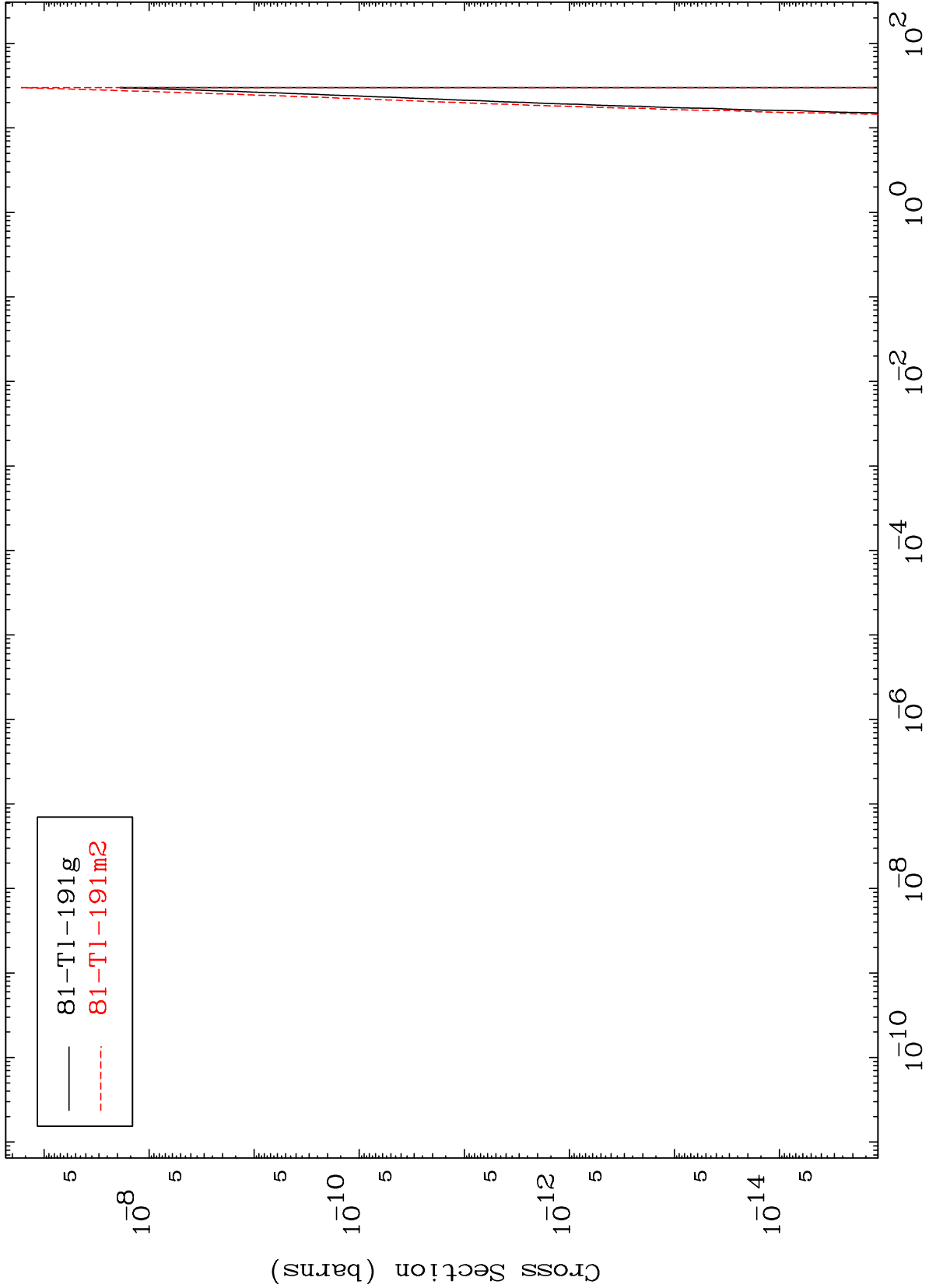


MAT 8518

(n,2n) 2α

85-At-200n

Radionuclide Production Cross Section

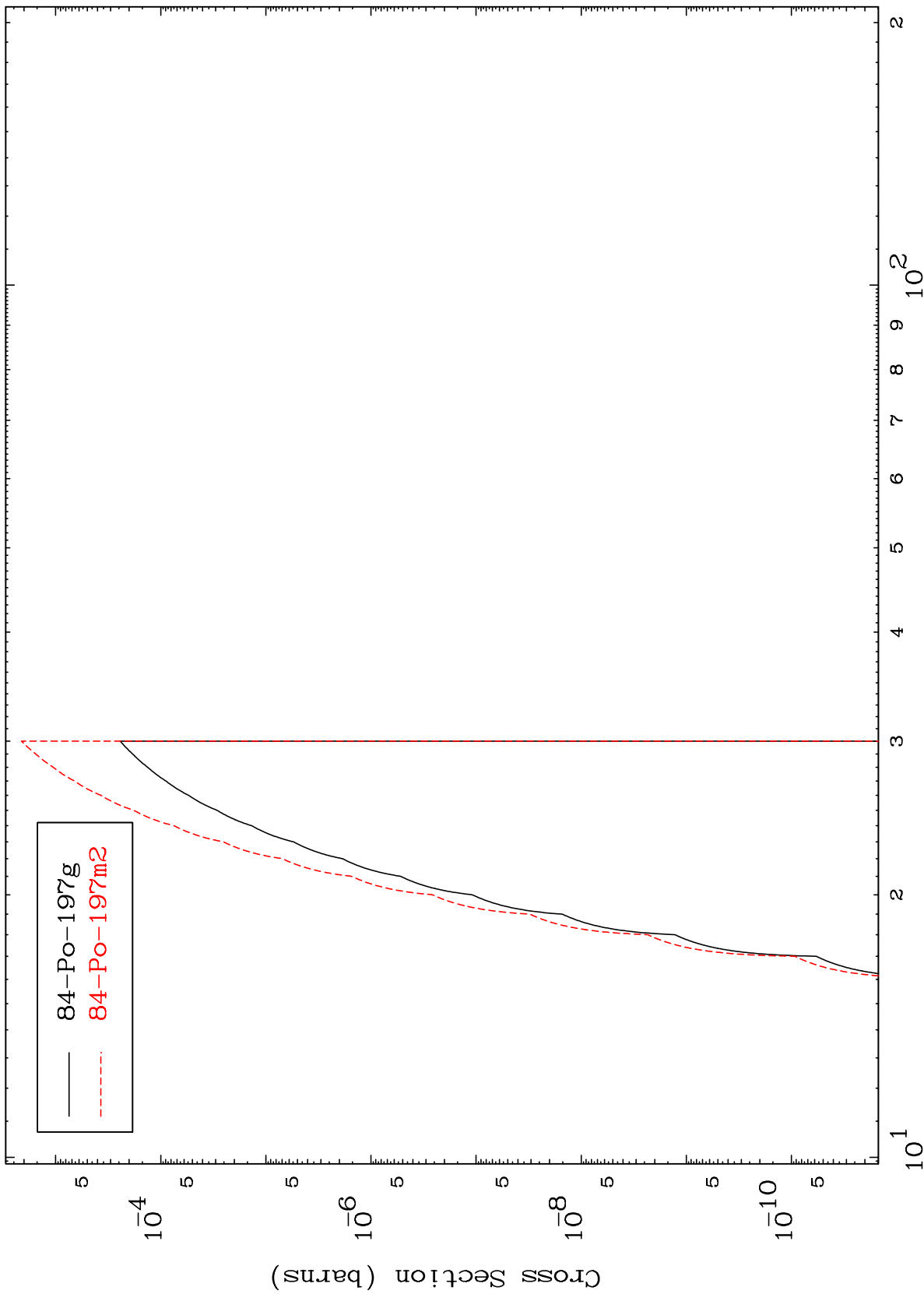


MAT 8518

(n,n') t

85-At-200n

Radionuclide Production Cross Section



Incident Energy (MeV)

85-At-200n

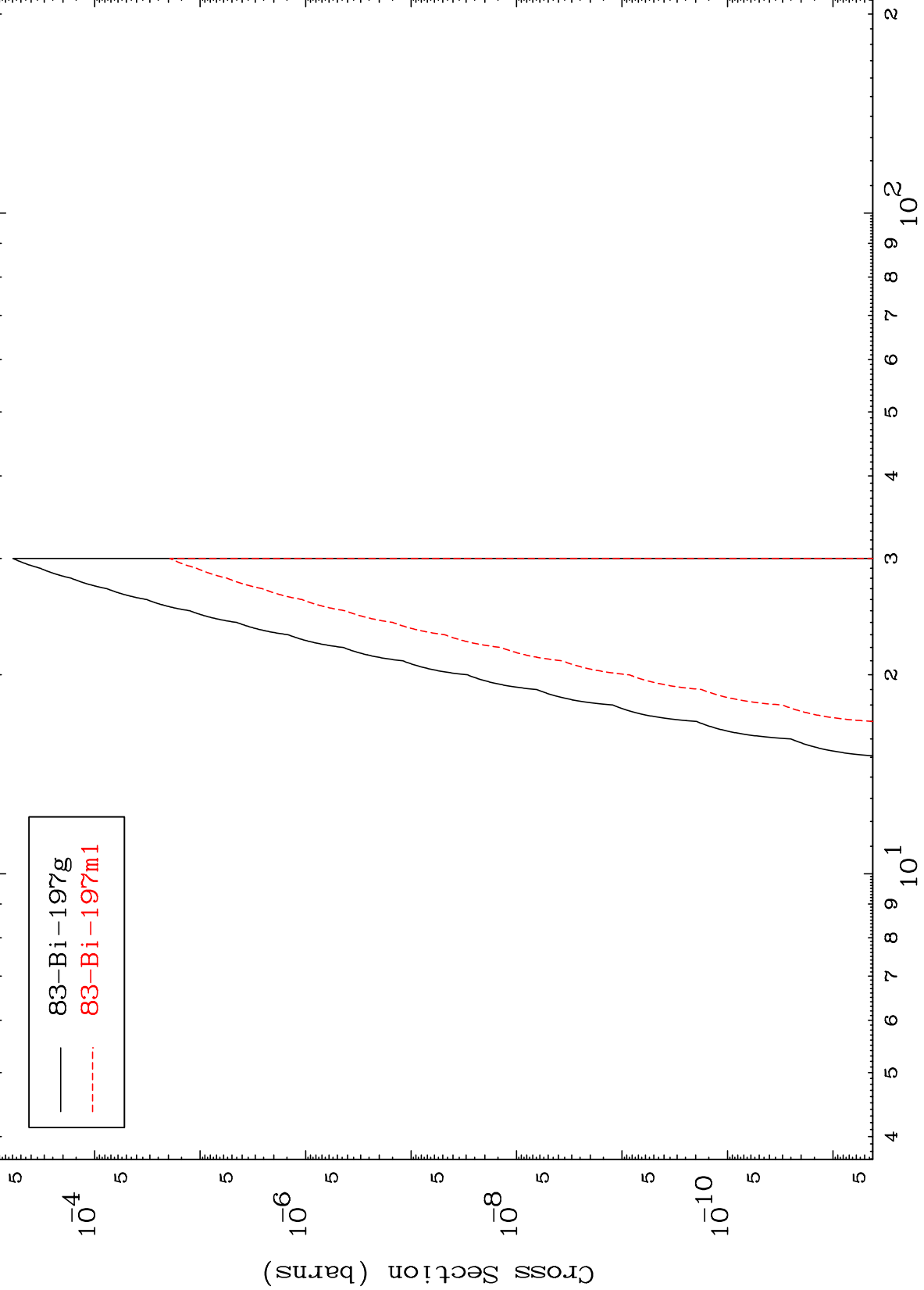
29

MAT 8518

(n,n') He-3

85-At-200n

Radionuclide Production Cross Section



83-Bi-197g
83-Bi-197m1

Incident Energy (MeV)

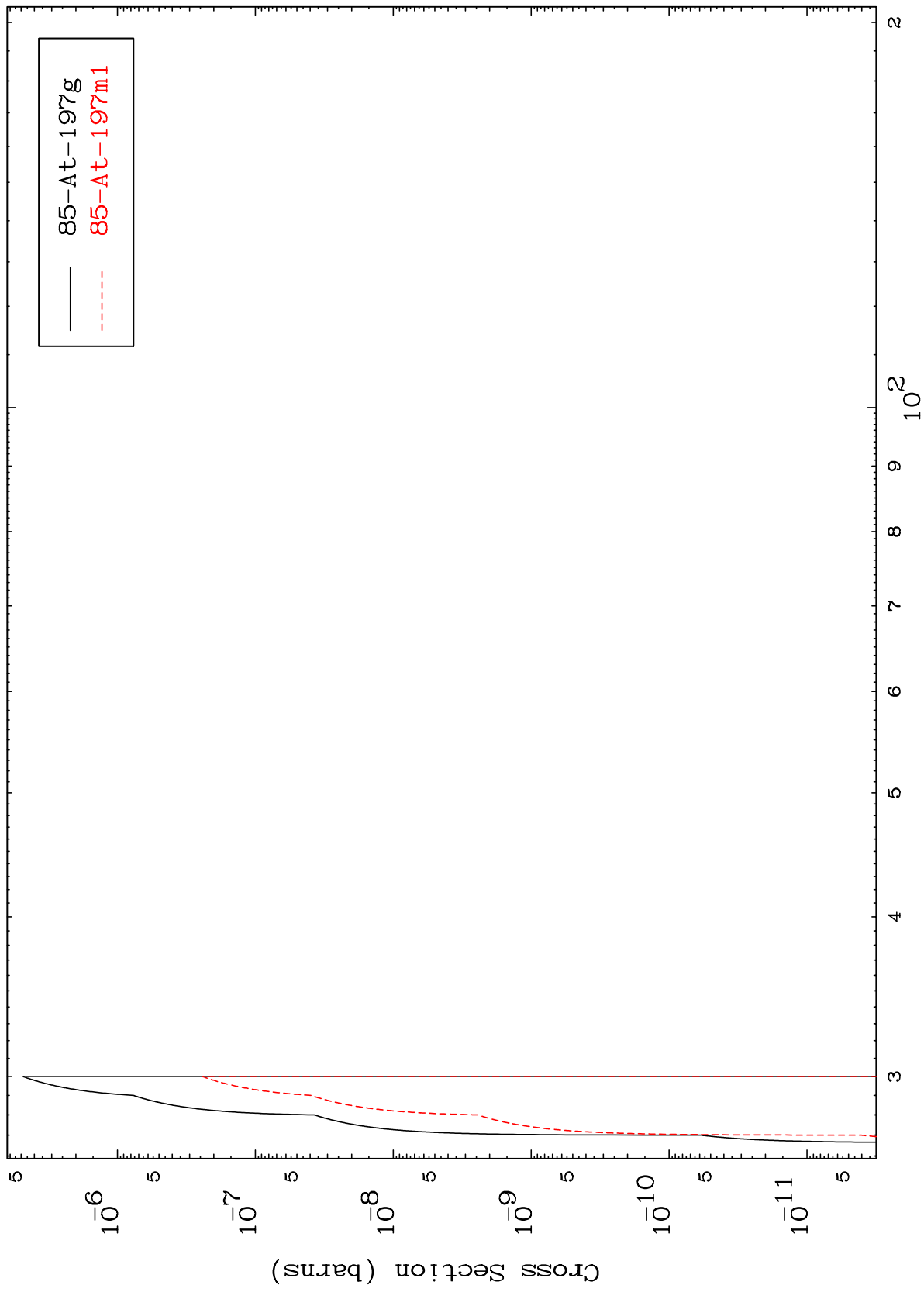
85-At-200n

30

MAT 8518

85-At-200n

(n,4n)
Radionuclide Production Cross Section



31

Incident Energy (MeV)

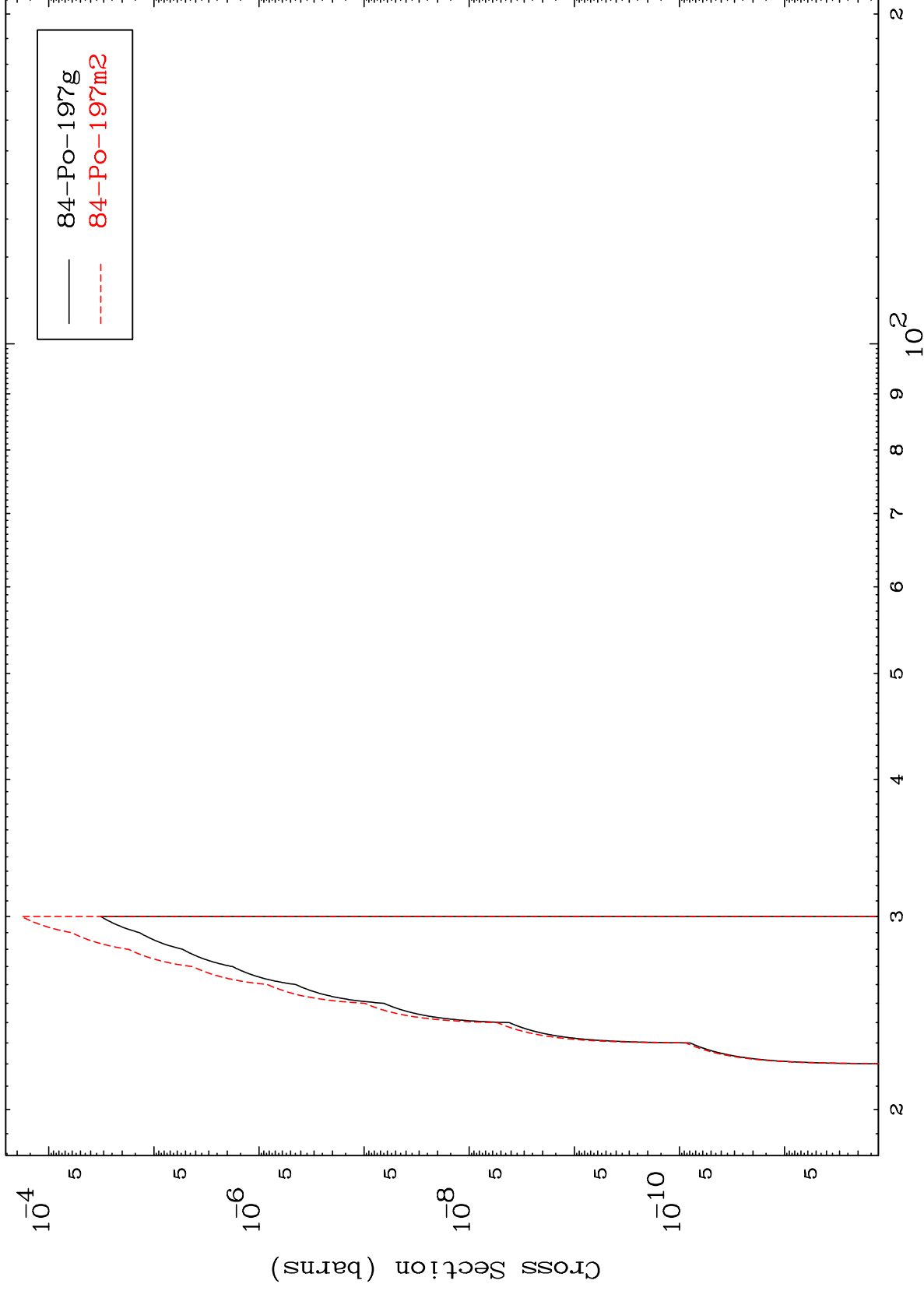
85-At-200n

MAT 8518

(n,3n) p

85-At-200n

Radionuclide Production Cross Section



32

Incident Energy (MeV)

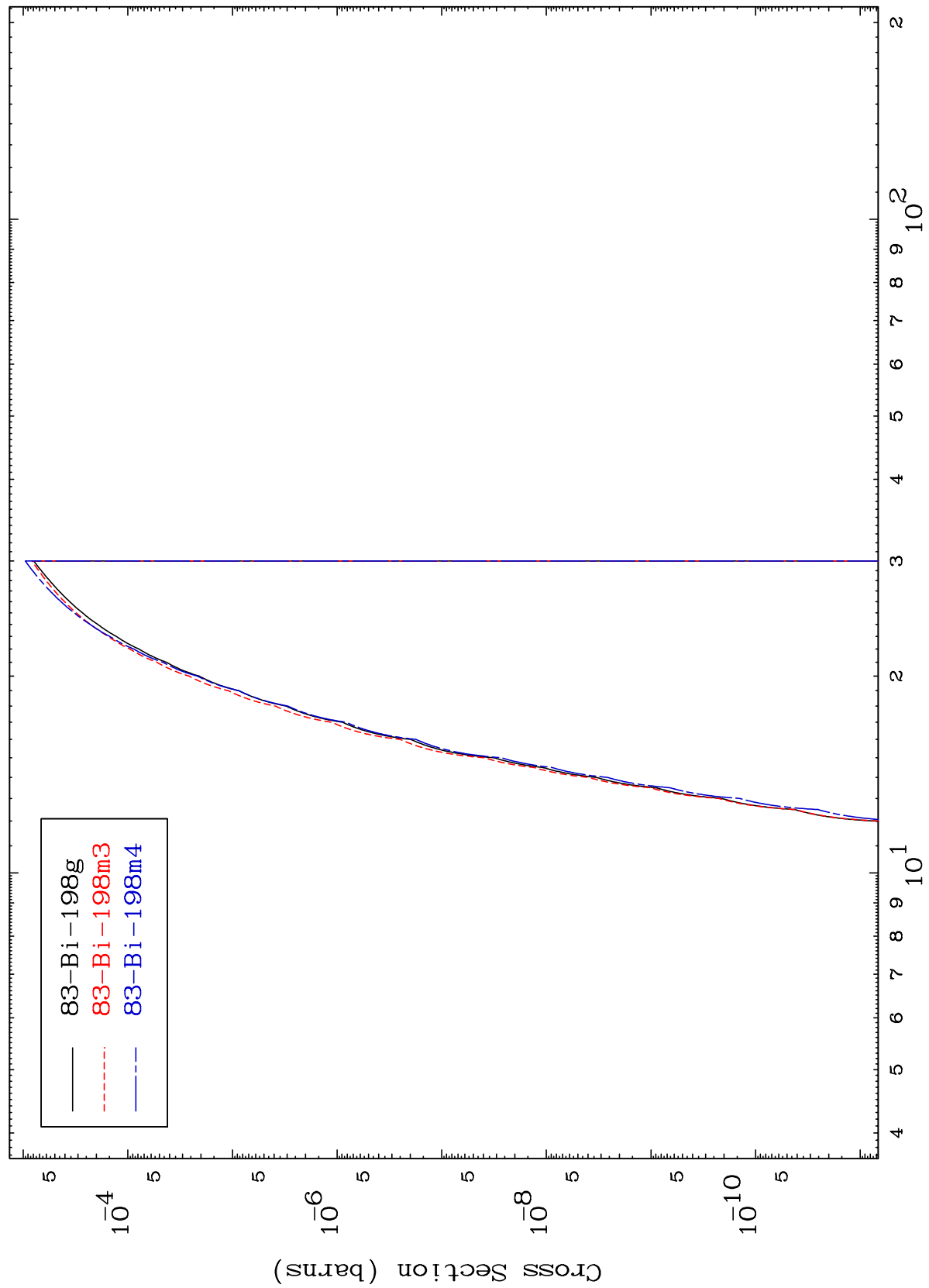
85-At-200n

MAT 8518

(n,2n) p

85-At-200n

Radionuclide Production Cross Section



33

Incident Energy (MeV)

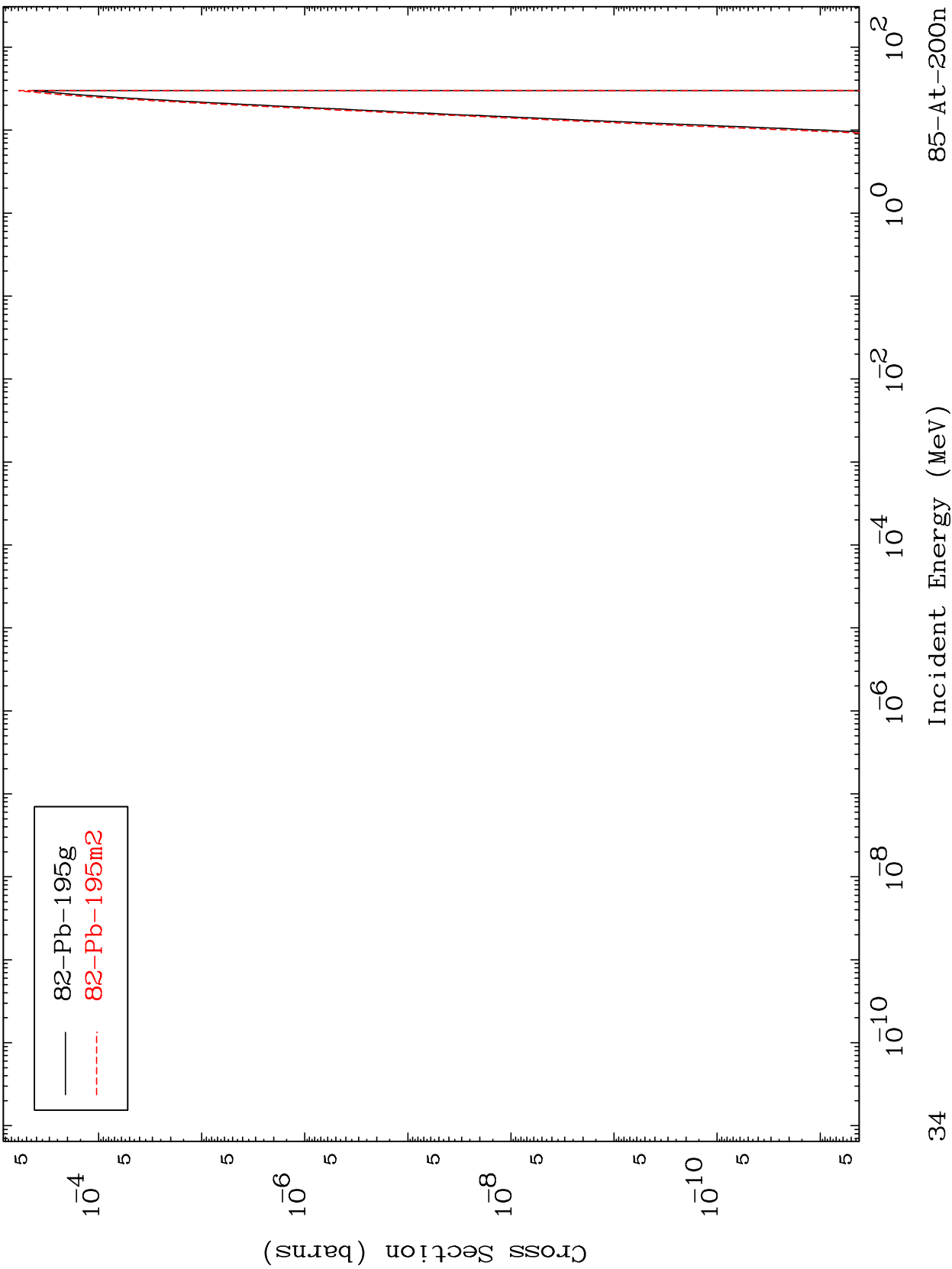
85-At-200n

MAT 8518

(n,n') p α

85-At-200n

Radionuclide Production Cross Section



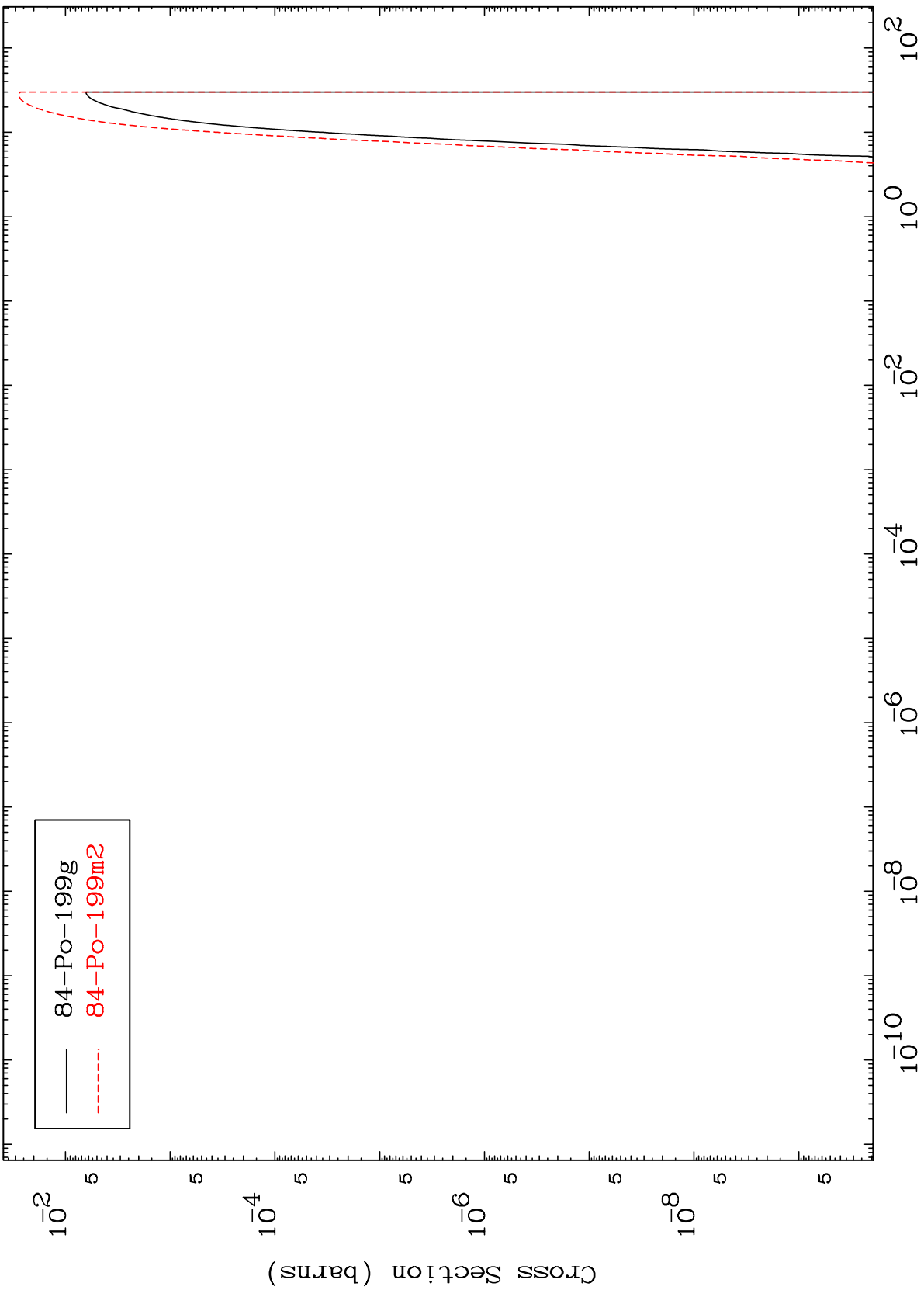
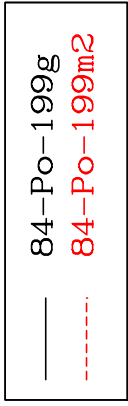
82-Pb-195g
82-Pb-195m2

MAT 8518

(n,d)

85-At-200n

Radionuclide Production Cross Section

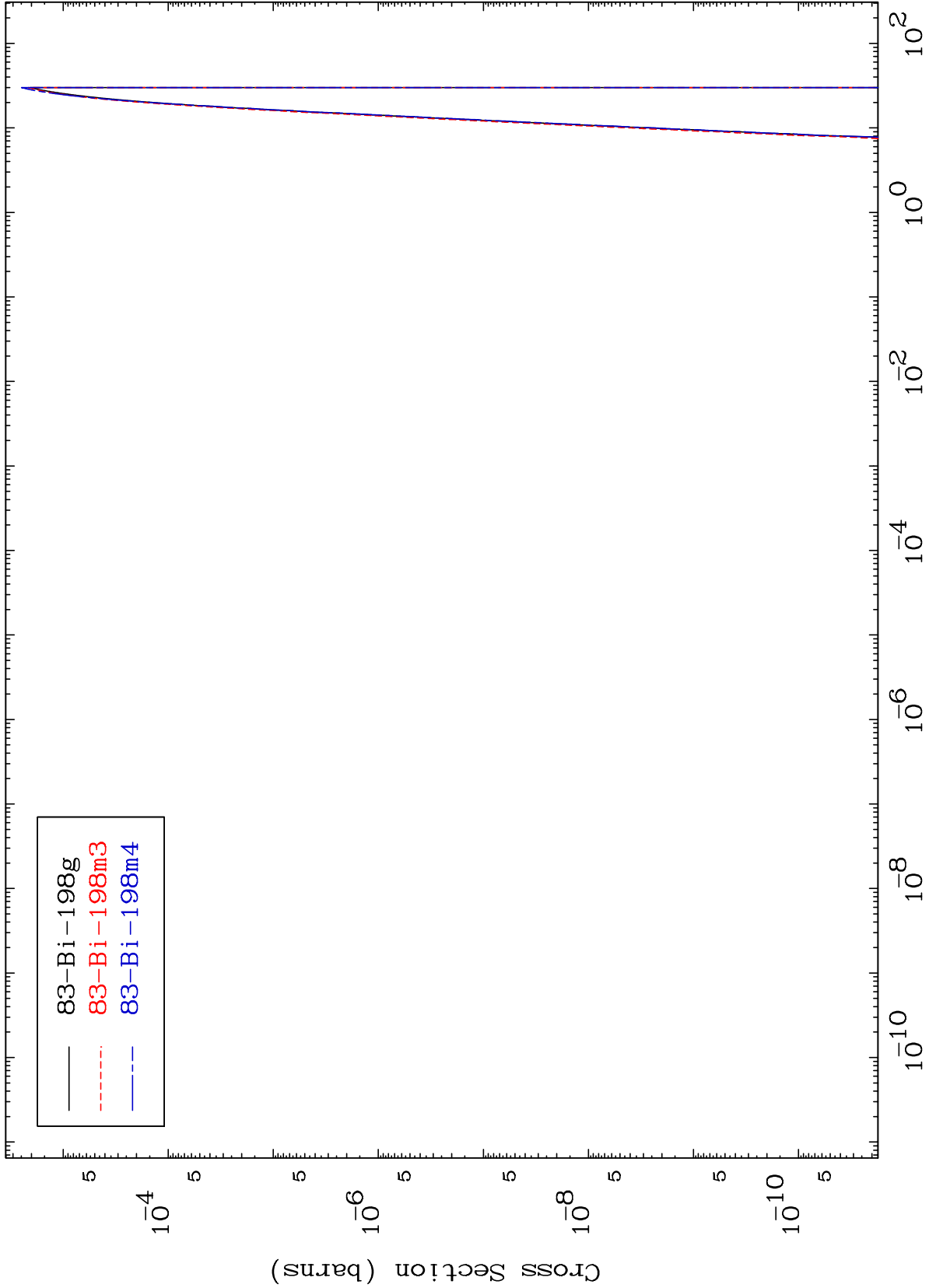


MAT 8518

(n,He-3)

85-At-200n

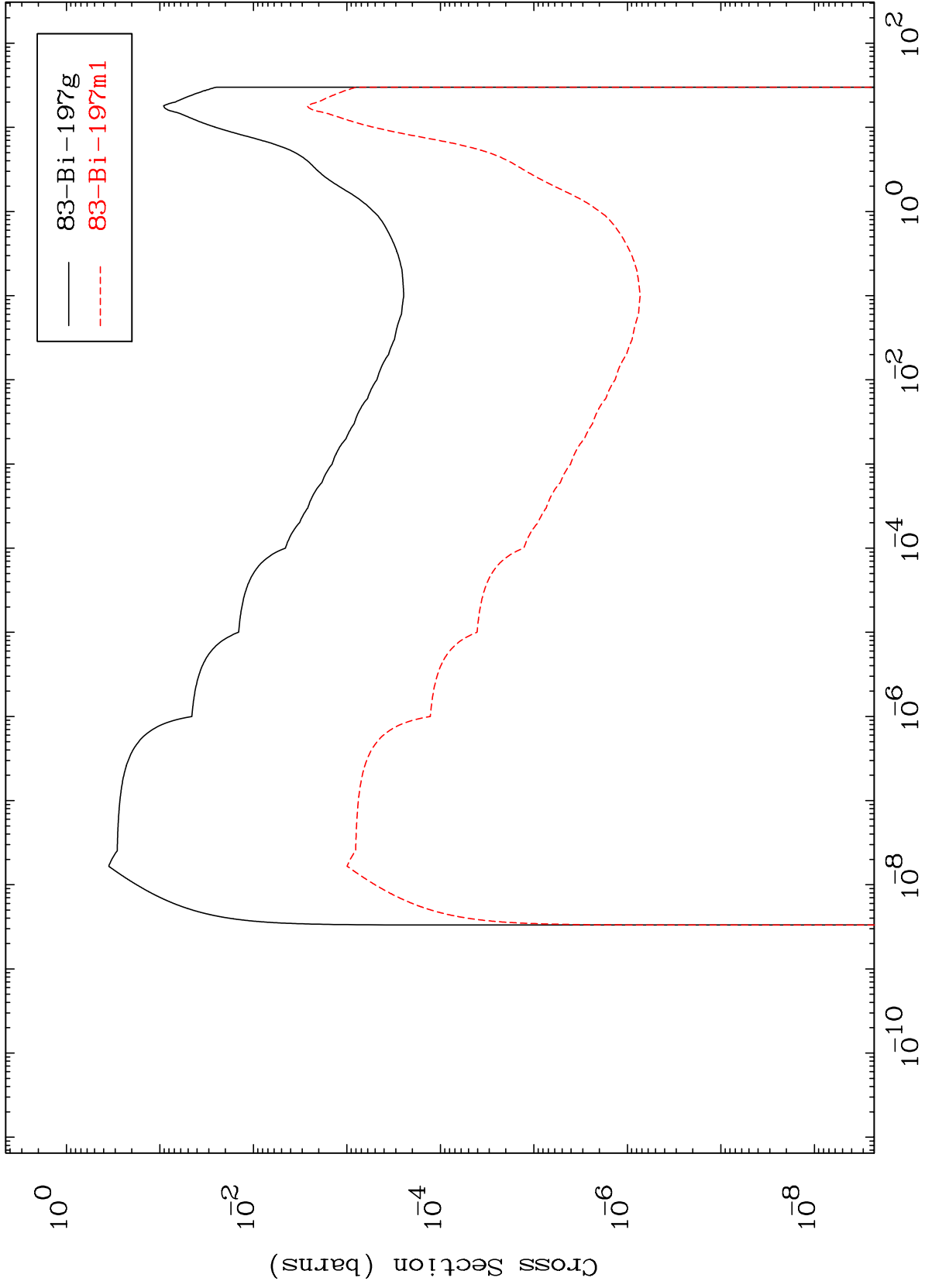
Radionuclide Production Cross Section



MAT 8518

85-At-200n

(n, α)
Radionuclide Production Cross Section



37

85-At-200n

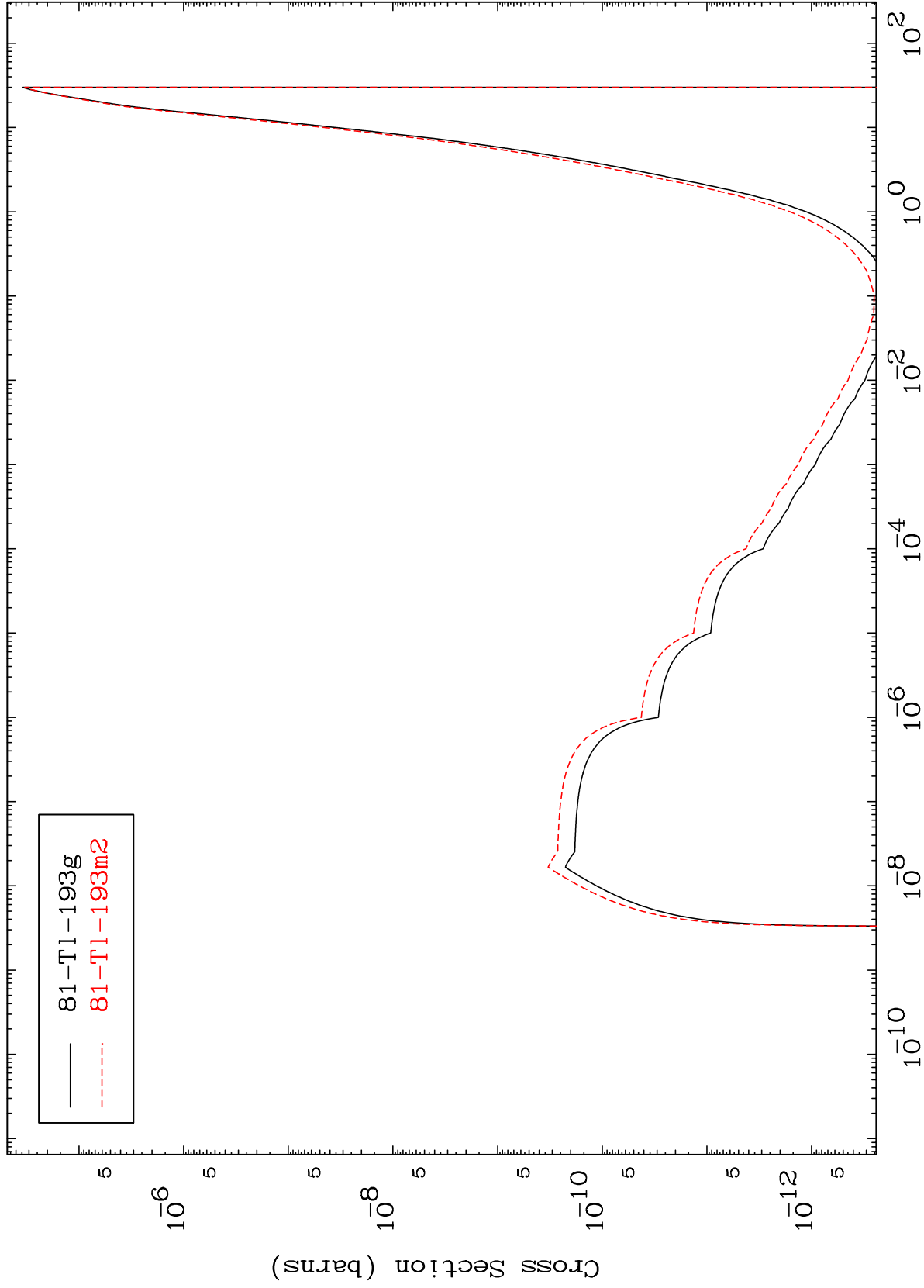
Incident Energy (MeV)

MAT 8518

(n,2α)

85-At-200n

Radionuclide Production Cross Section



38

Incident Energy (MeV)

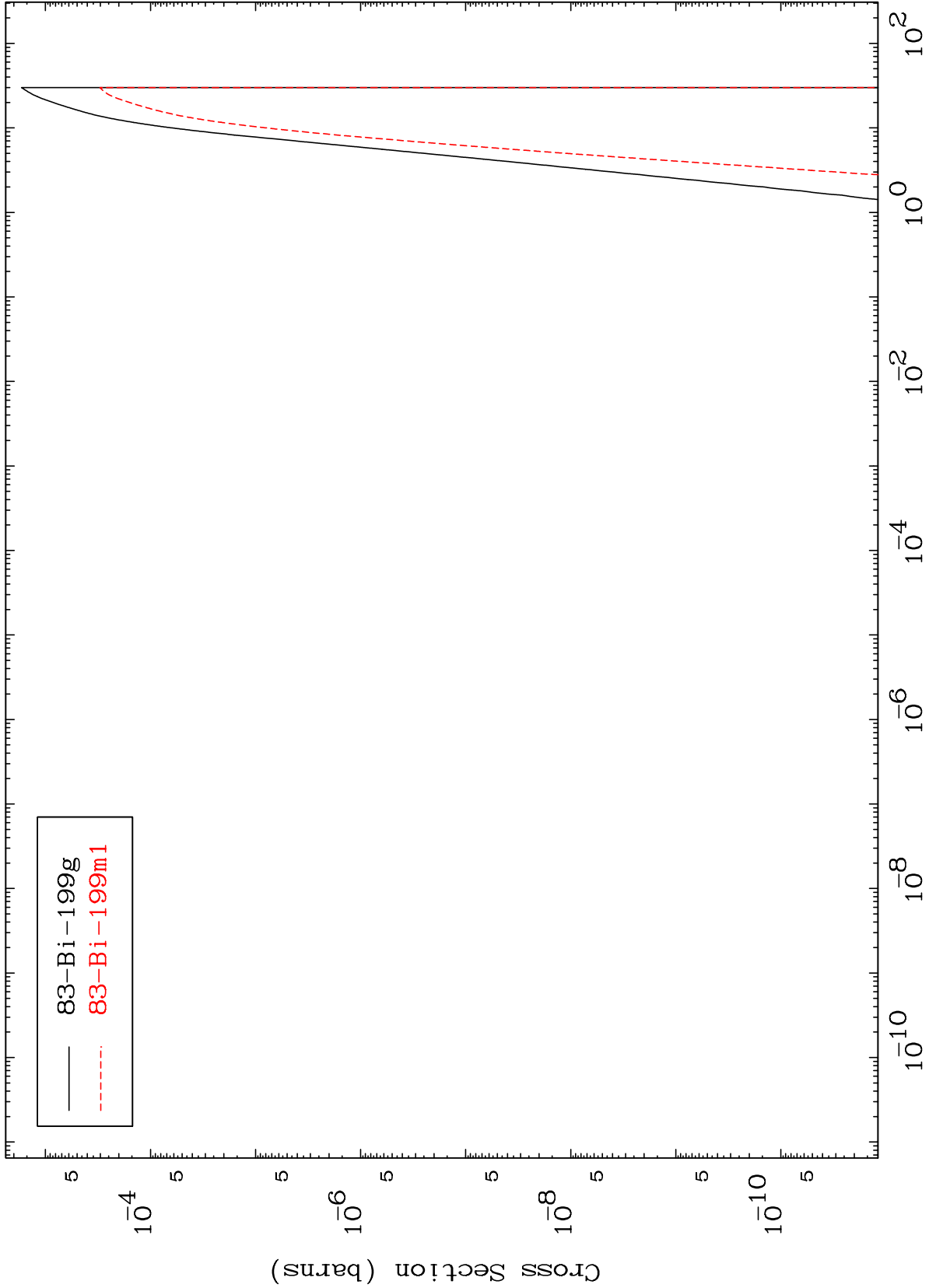
85-At-200n

MAT 8518

(n,2p)

85-At-200n

Radionuclide Production Cross Section



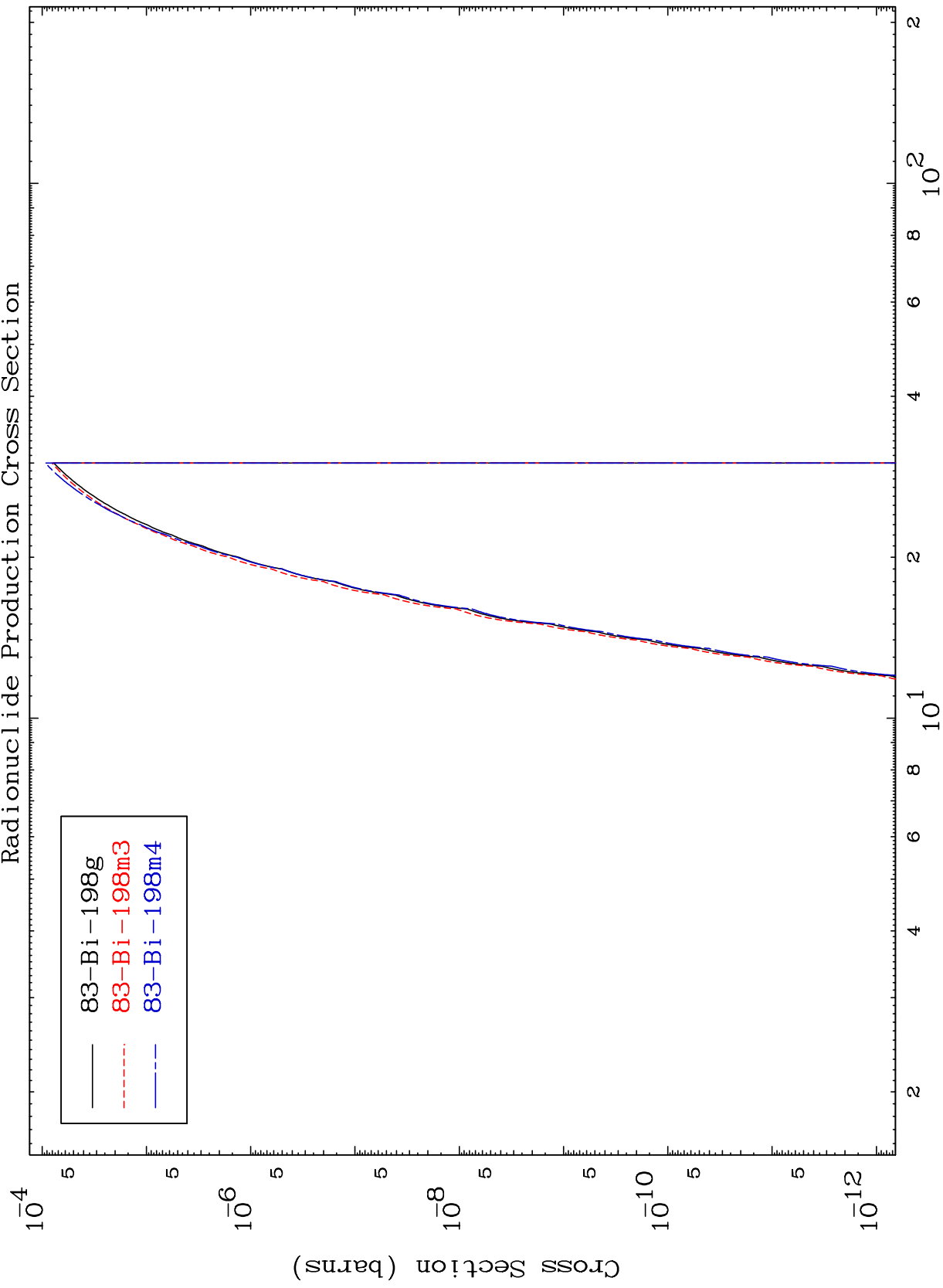
83-Bi-199g
83-Bi-199m1

MAT 8518

(n,p) d

85-At-200n

Radionuclide Production Cross Section



40

Incident Energy (MeV)

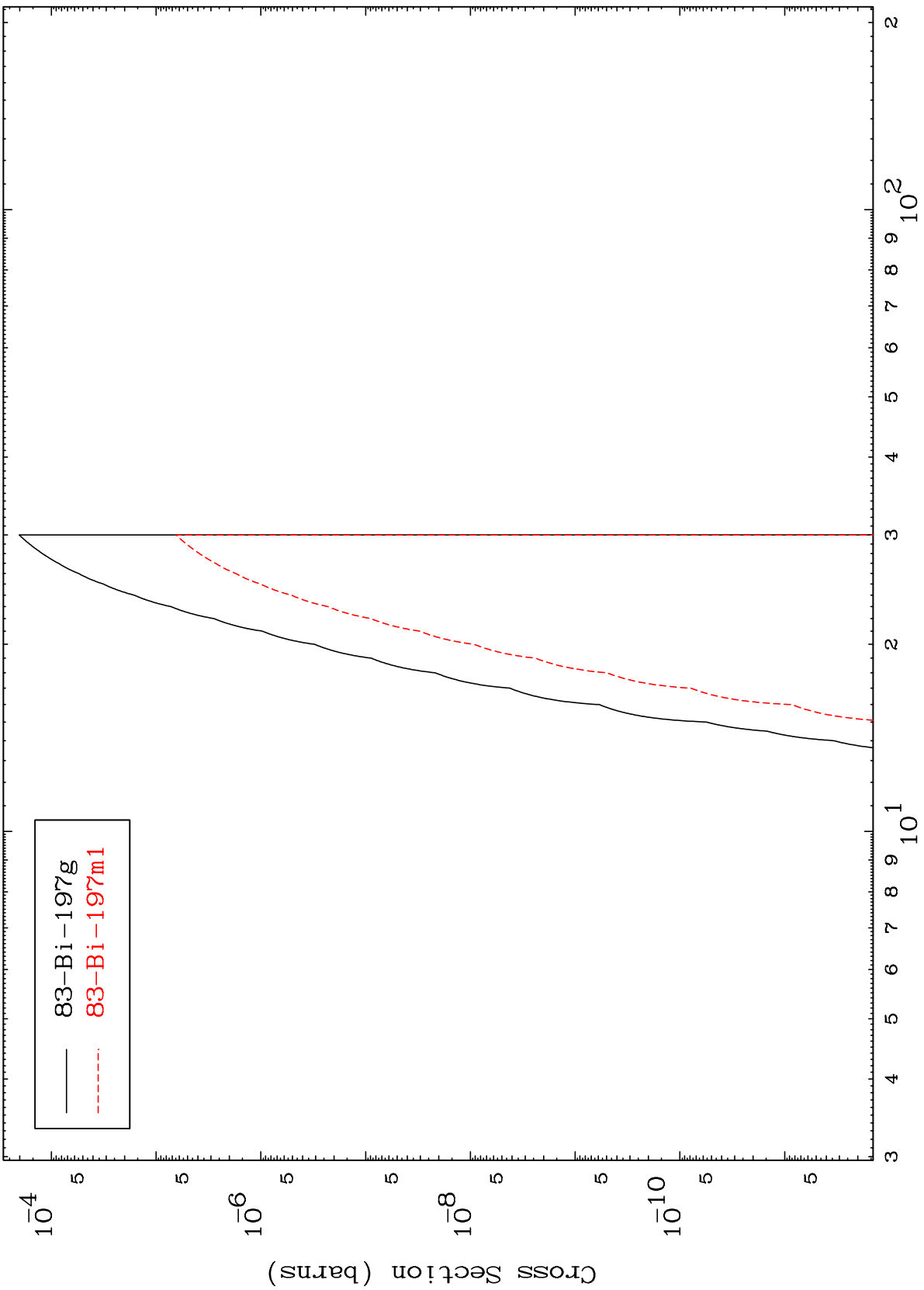
85-At-200n

MAT 8518

(n,p) t

85-At-200n

Radionuclide Production Cross Section



83-Bi-197g
83-Bi-197m1

Incident Energy (MeV)

85-At-200n

41

MAT 8518

(n,d) α

85-At-200n

Radionuclide Production Cross Section

