

Program EVALPLOT
(Version 2021-1)

by

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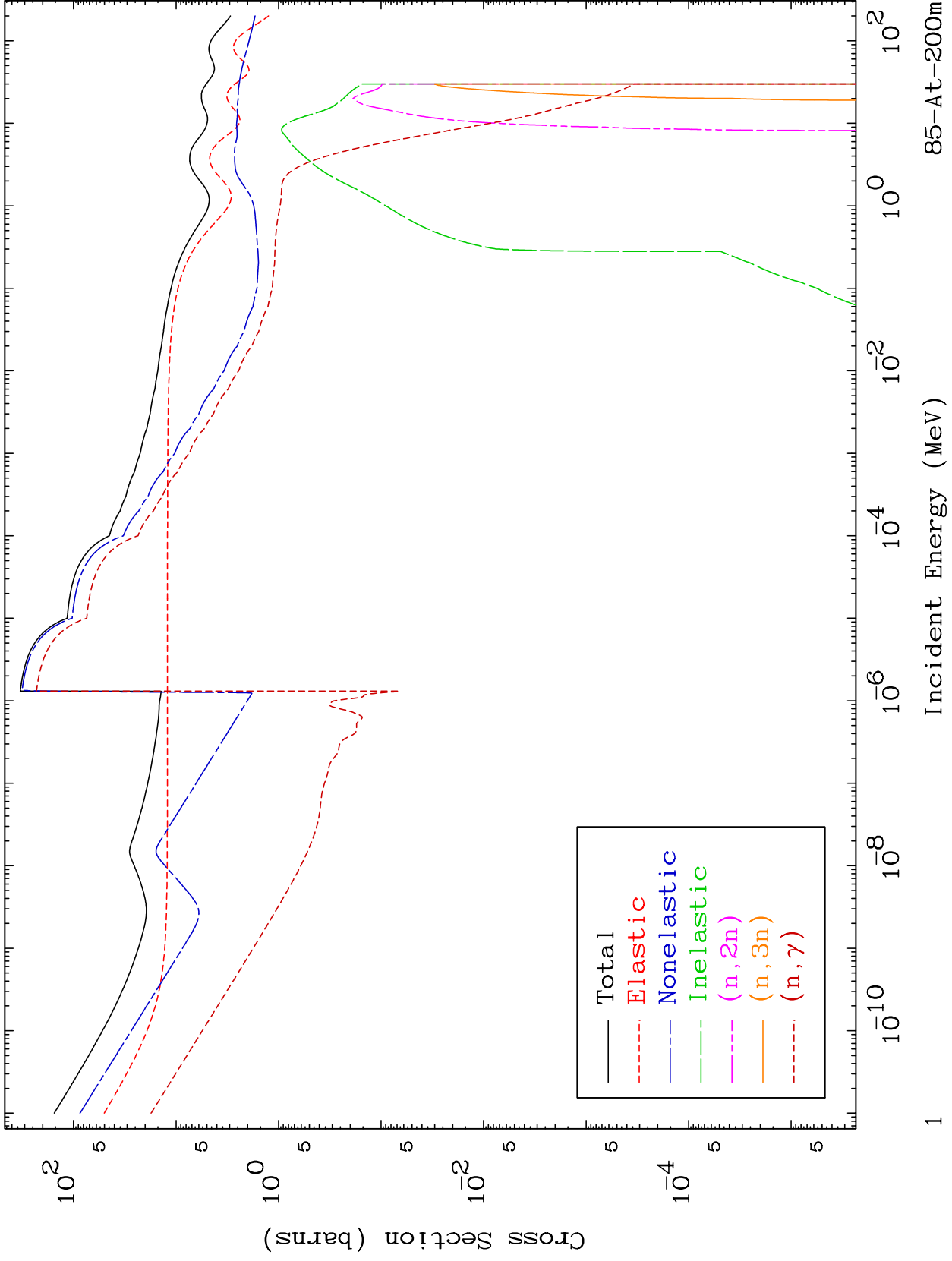
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8517

Neutron Major
293 Kelvin Cross Sections

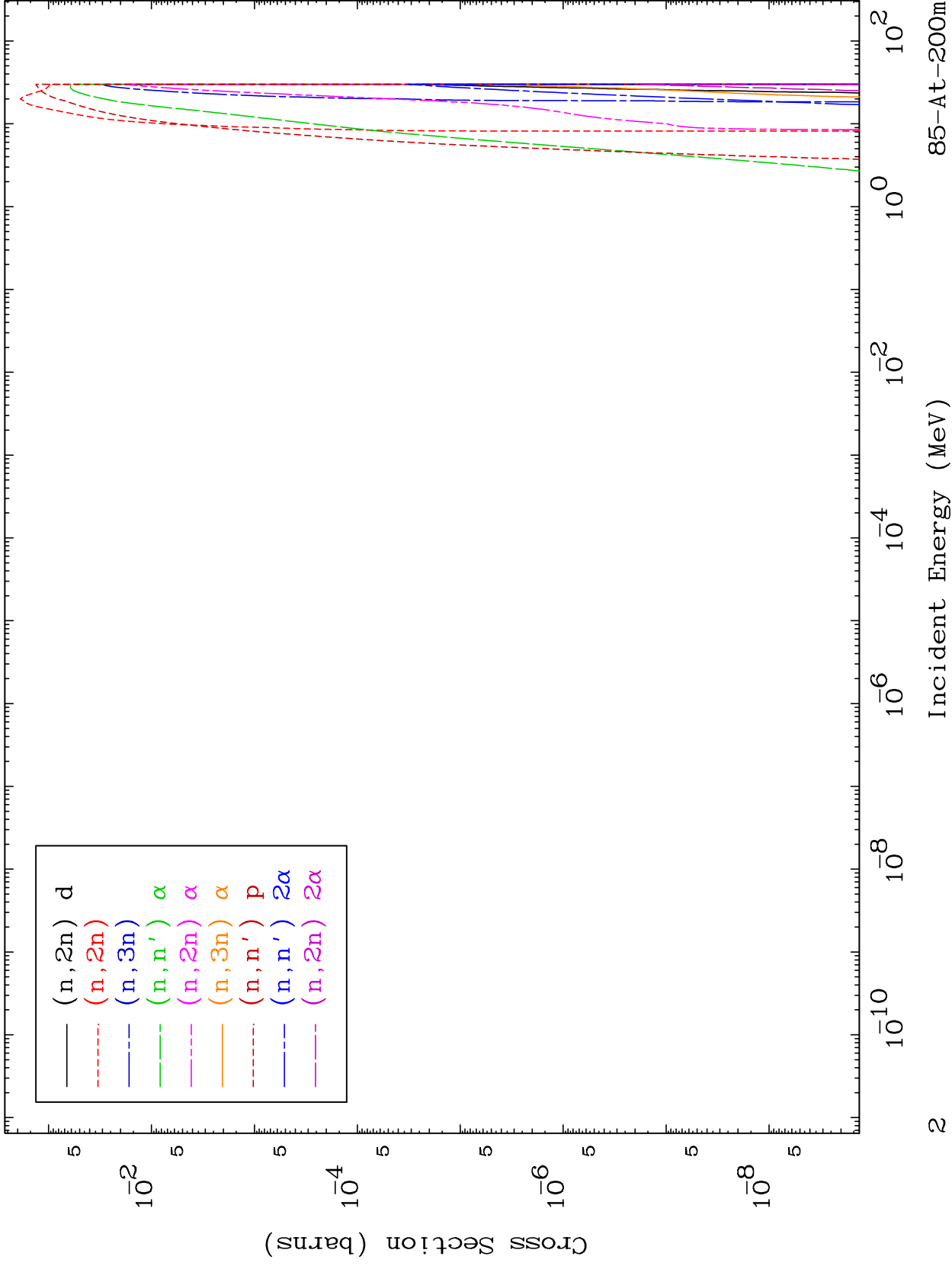
85-At-200m



MAT 8517

Neutron Absorption
293 Kelvin Cross Sections

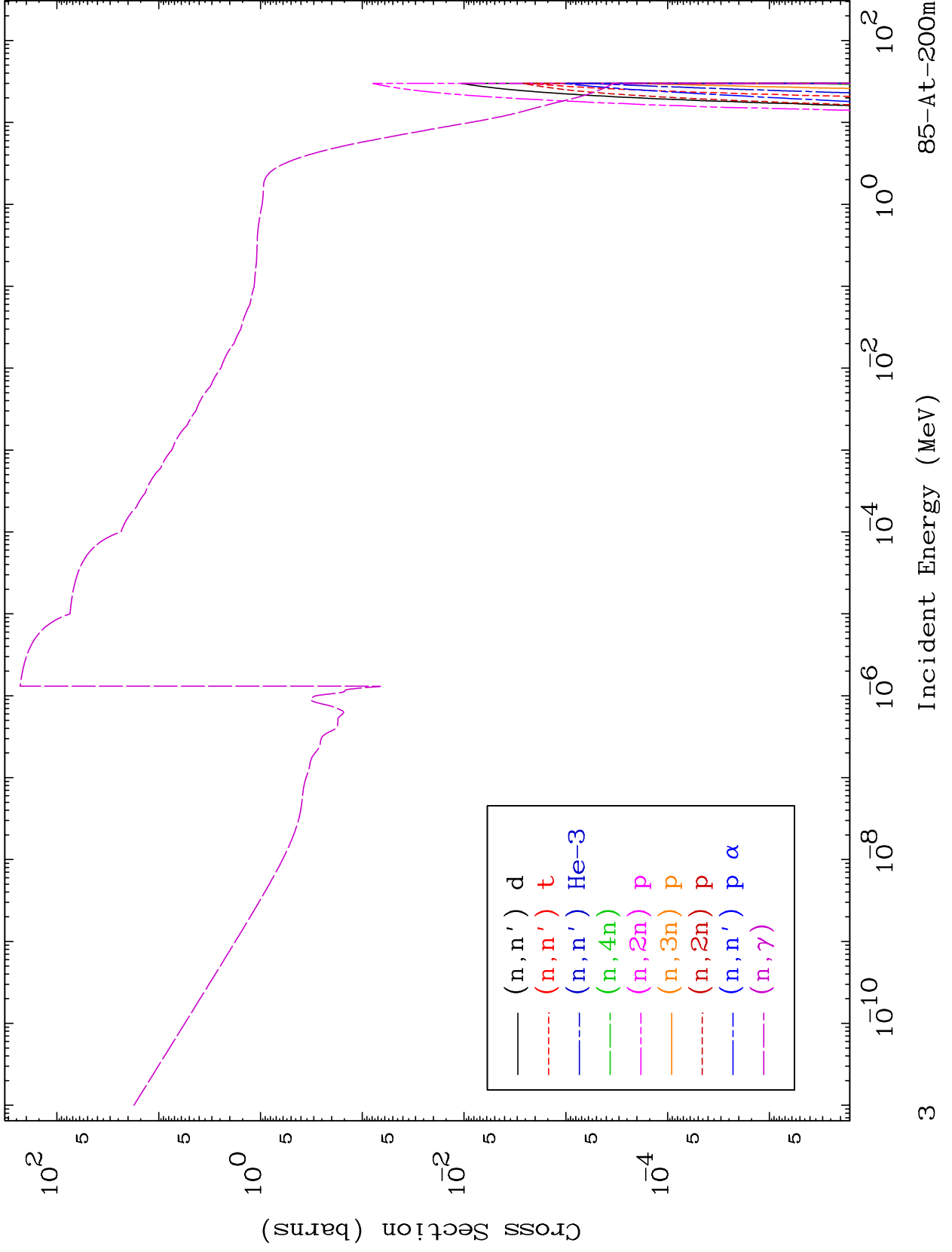
85-At-200m

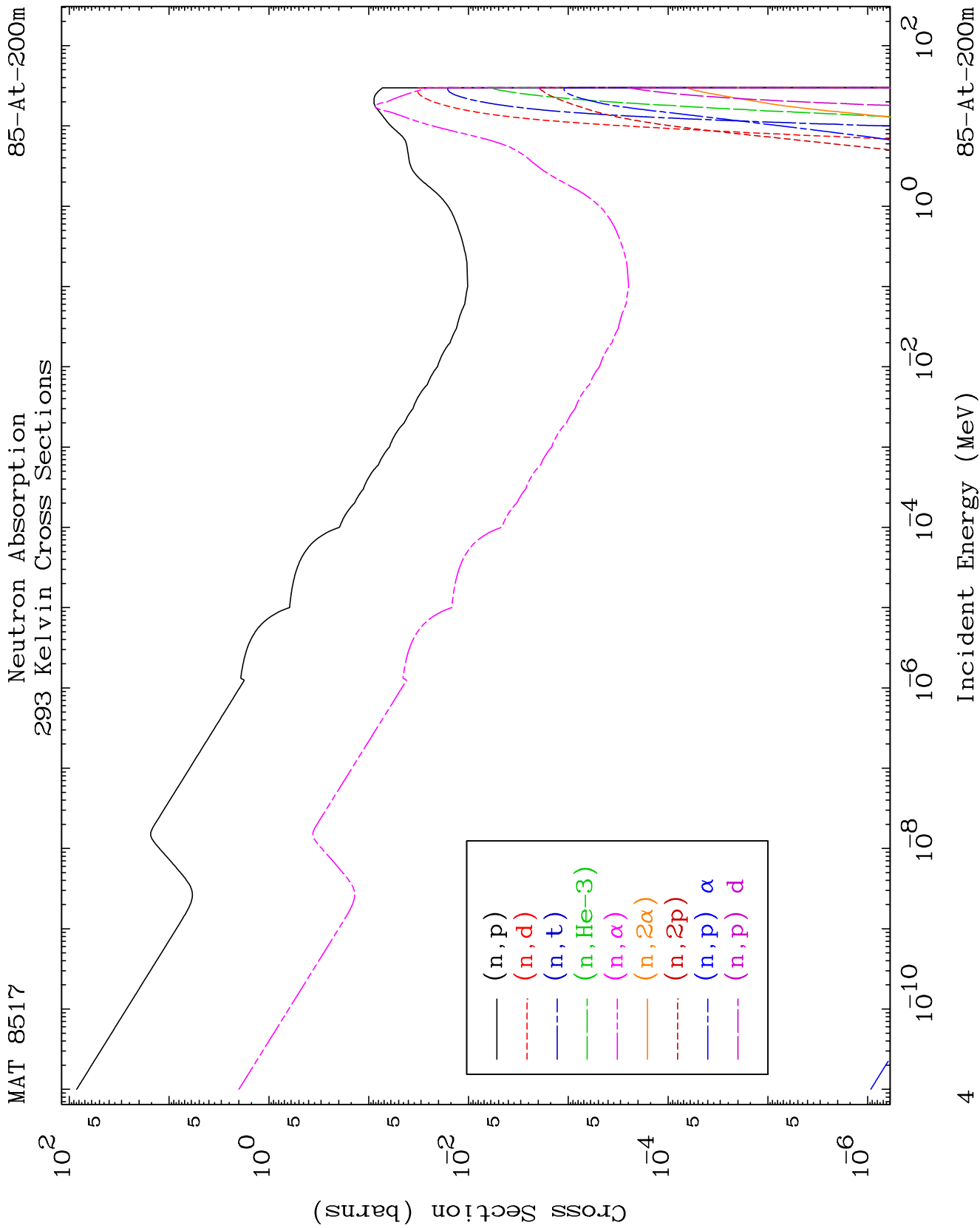


MAT 8517

Neutron Absorption
293 Kelvin Cross Sections

85-At-200m

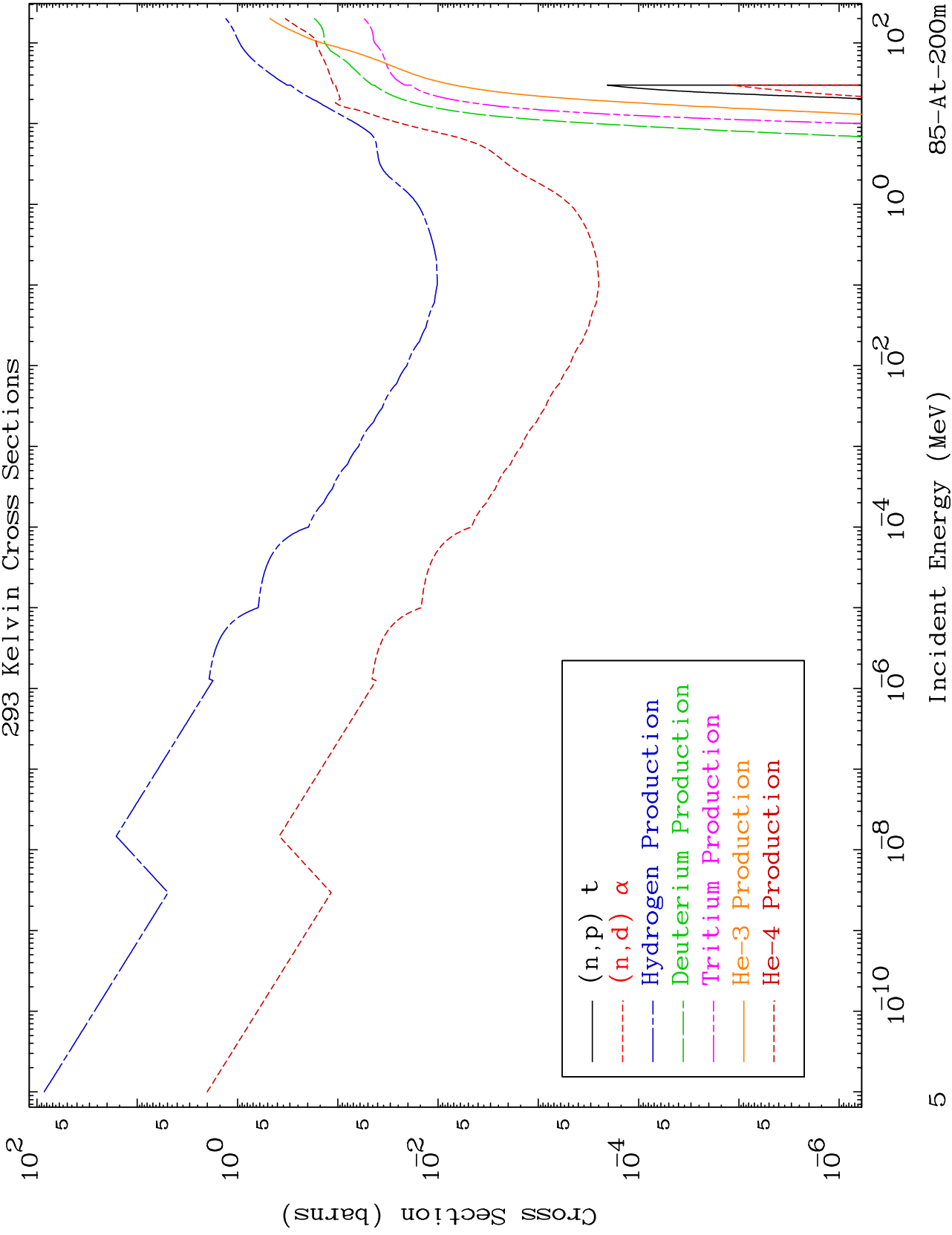




MAT 8517

Neutron Absorption
293 Kelvin Cross Sections

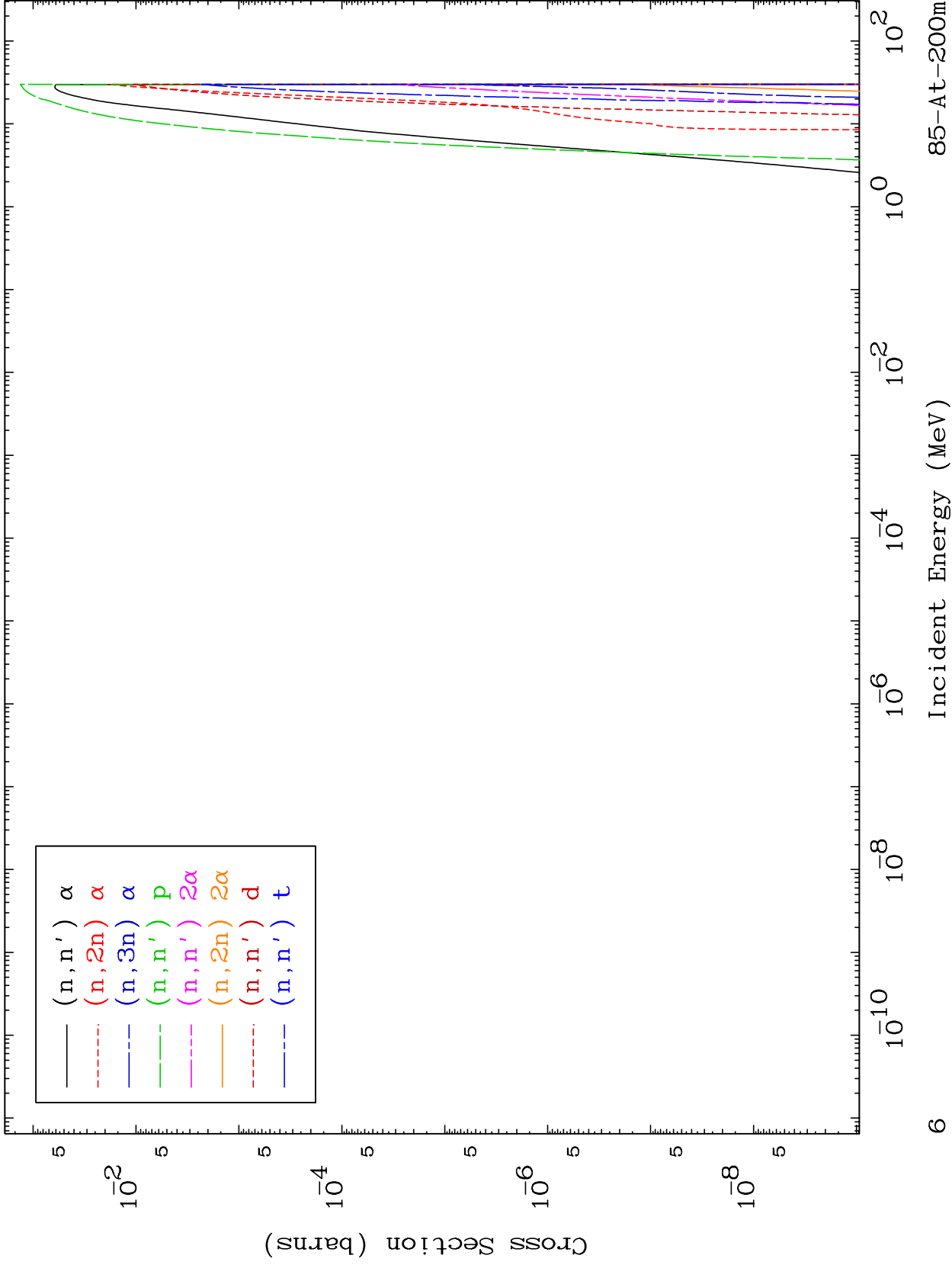
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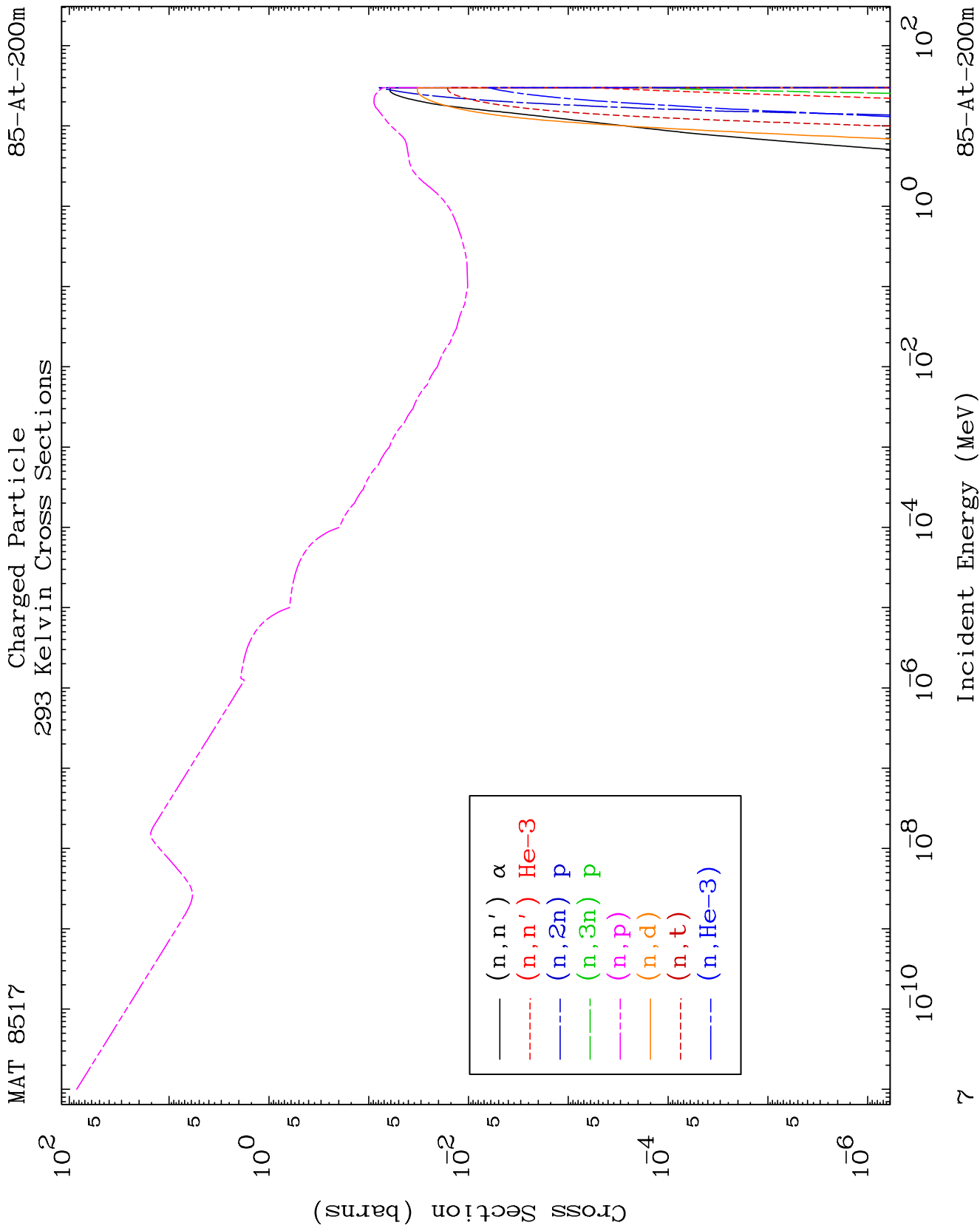


MAT 8517

Charged Particle
293 Kelvin Cross Sections

85-At-200m

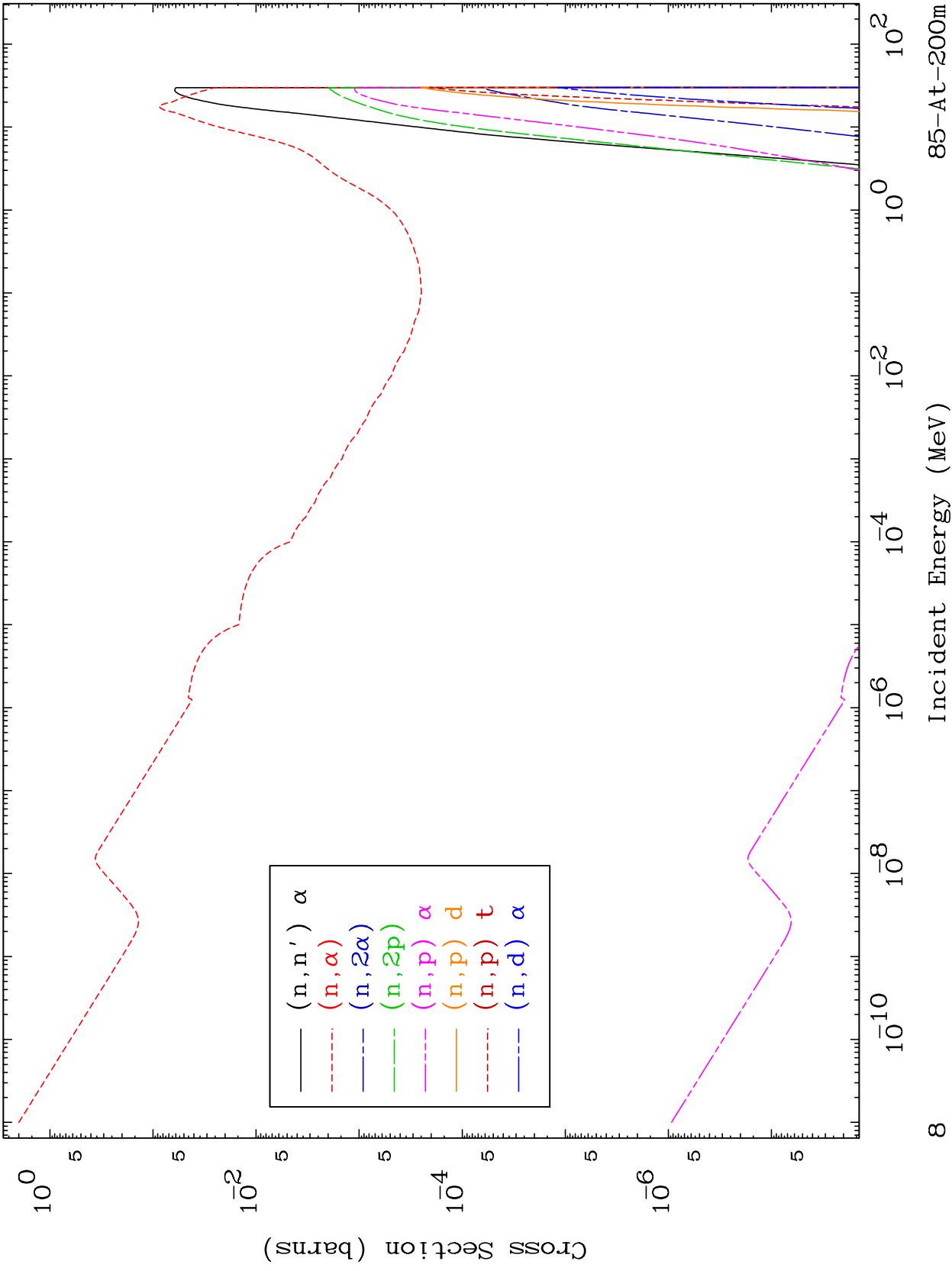


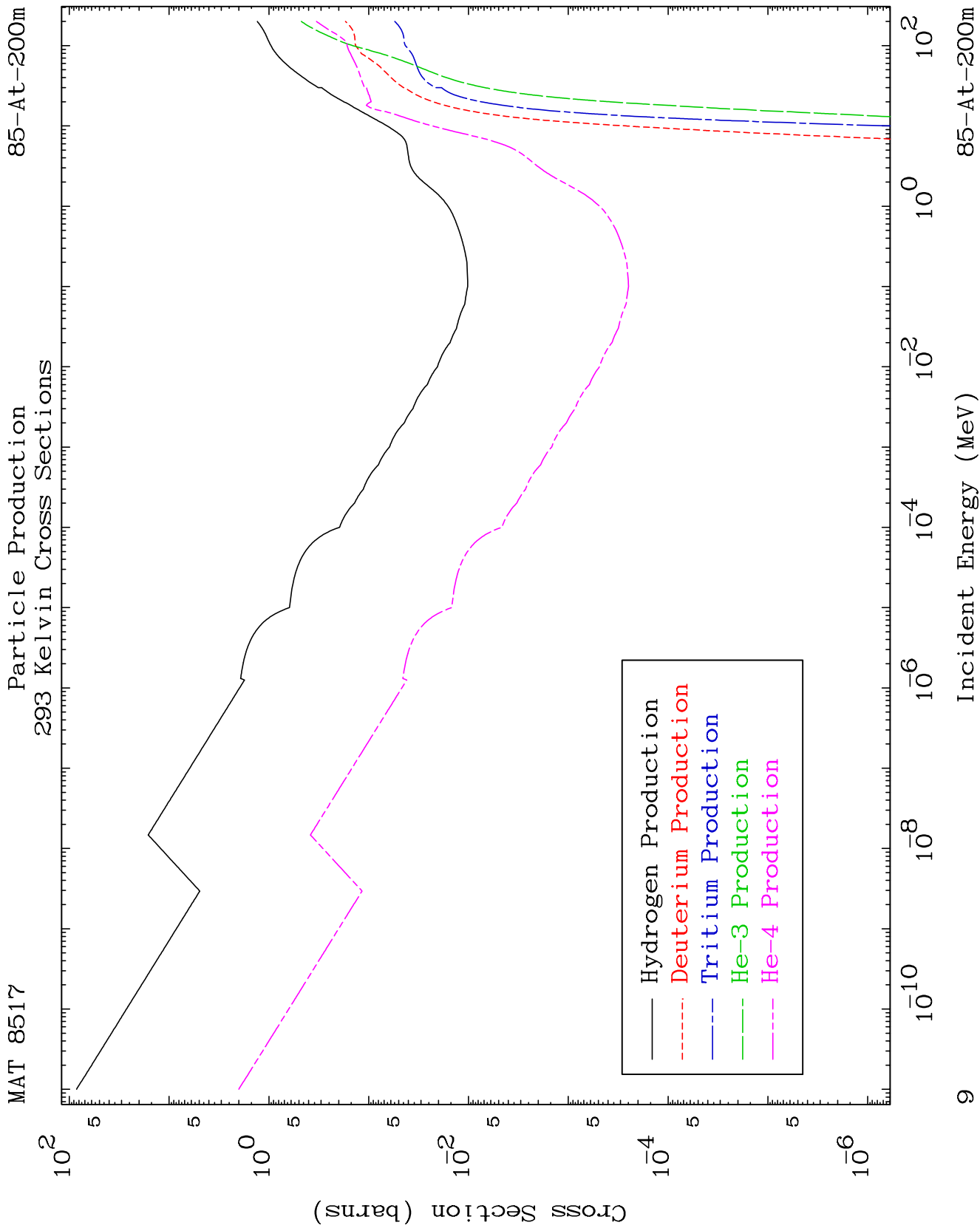


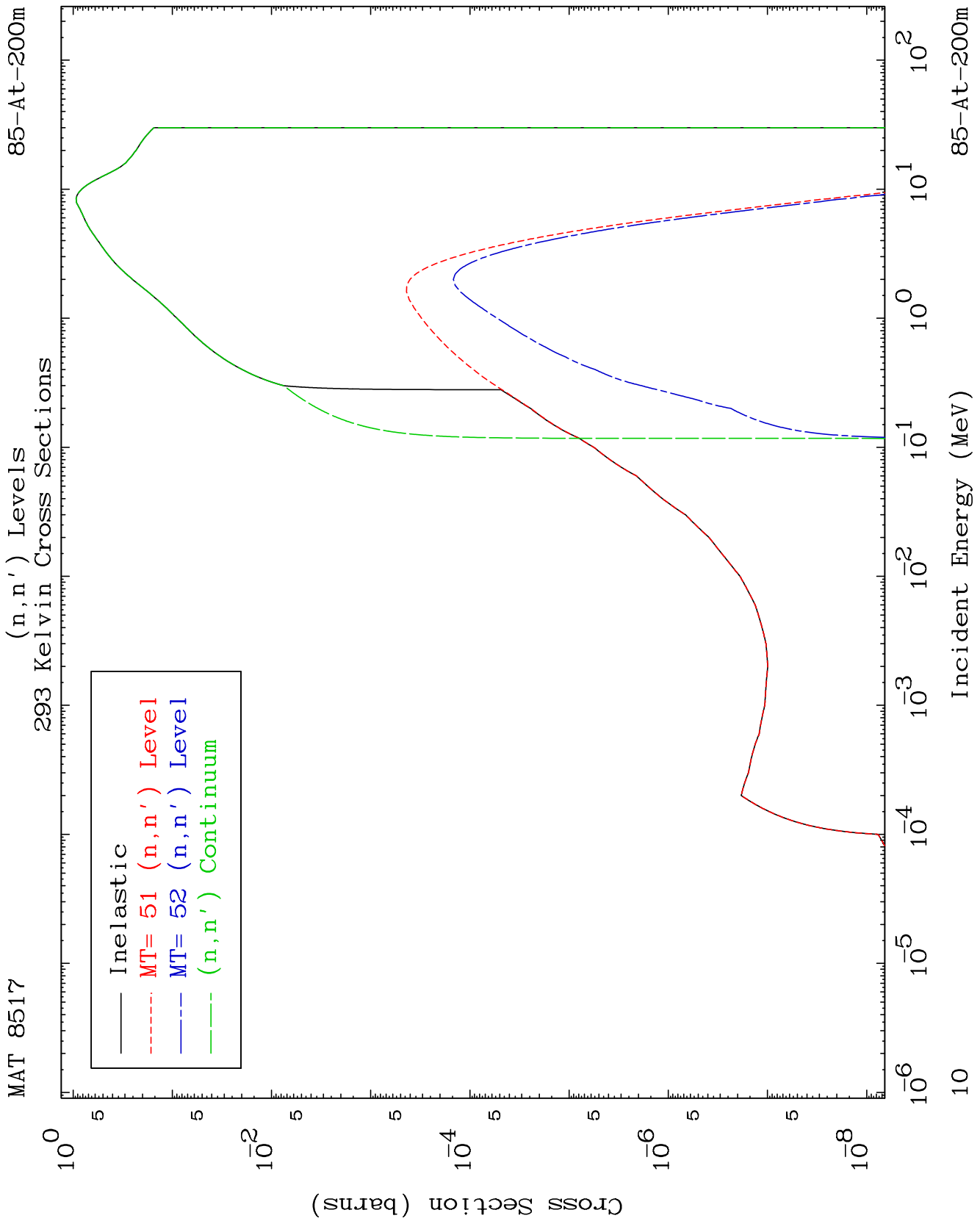
MAT 8517

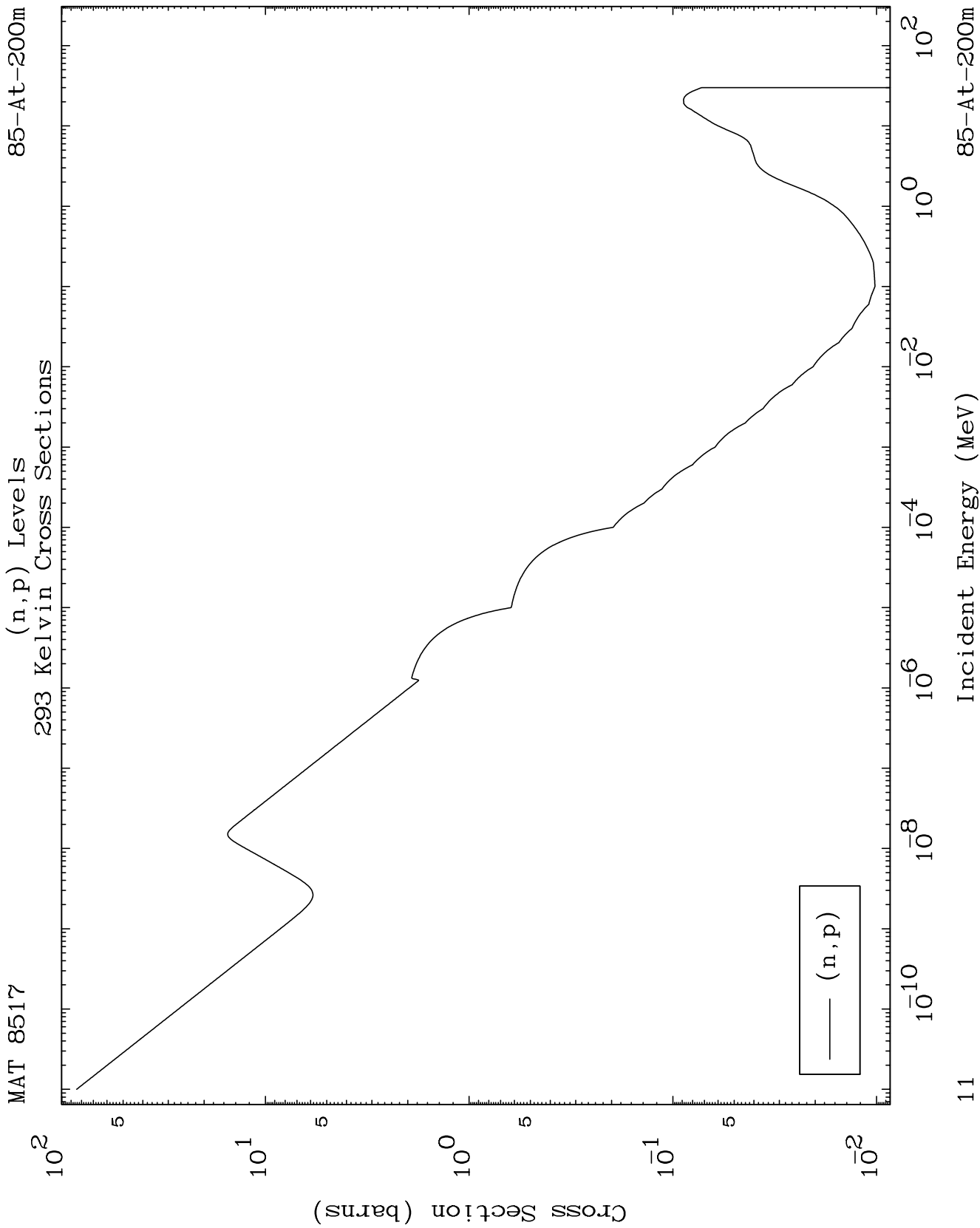
Charged Particle
293 Kelvin Cross Sections

85-At-200m





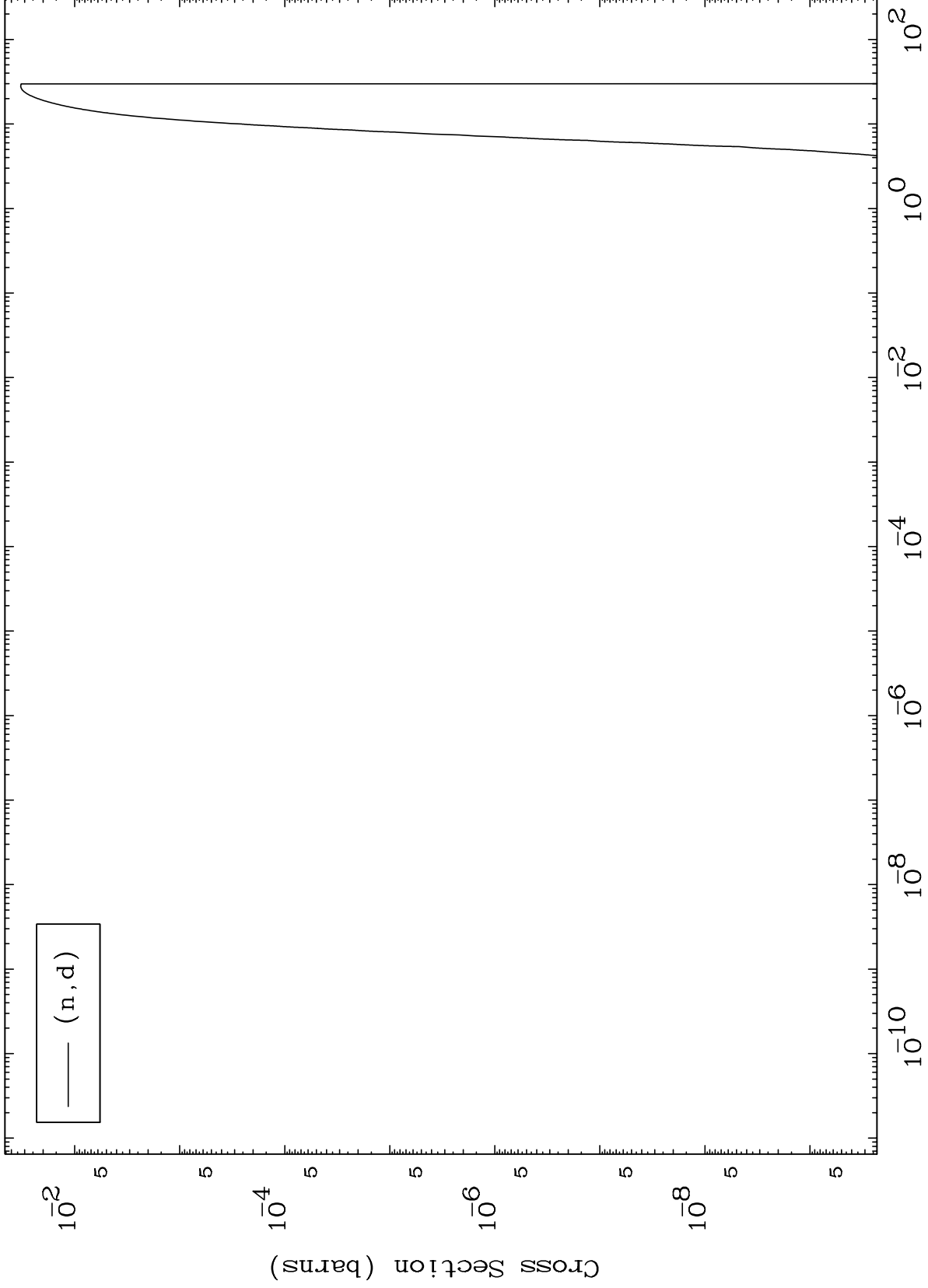




MAT 8517

(n,d) Levels
293 Kelvin Cross Sections

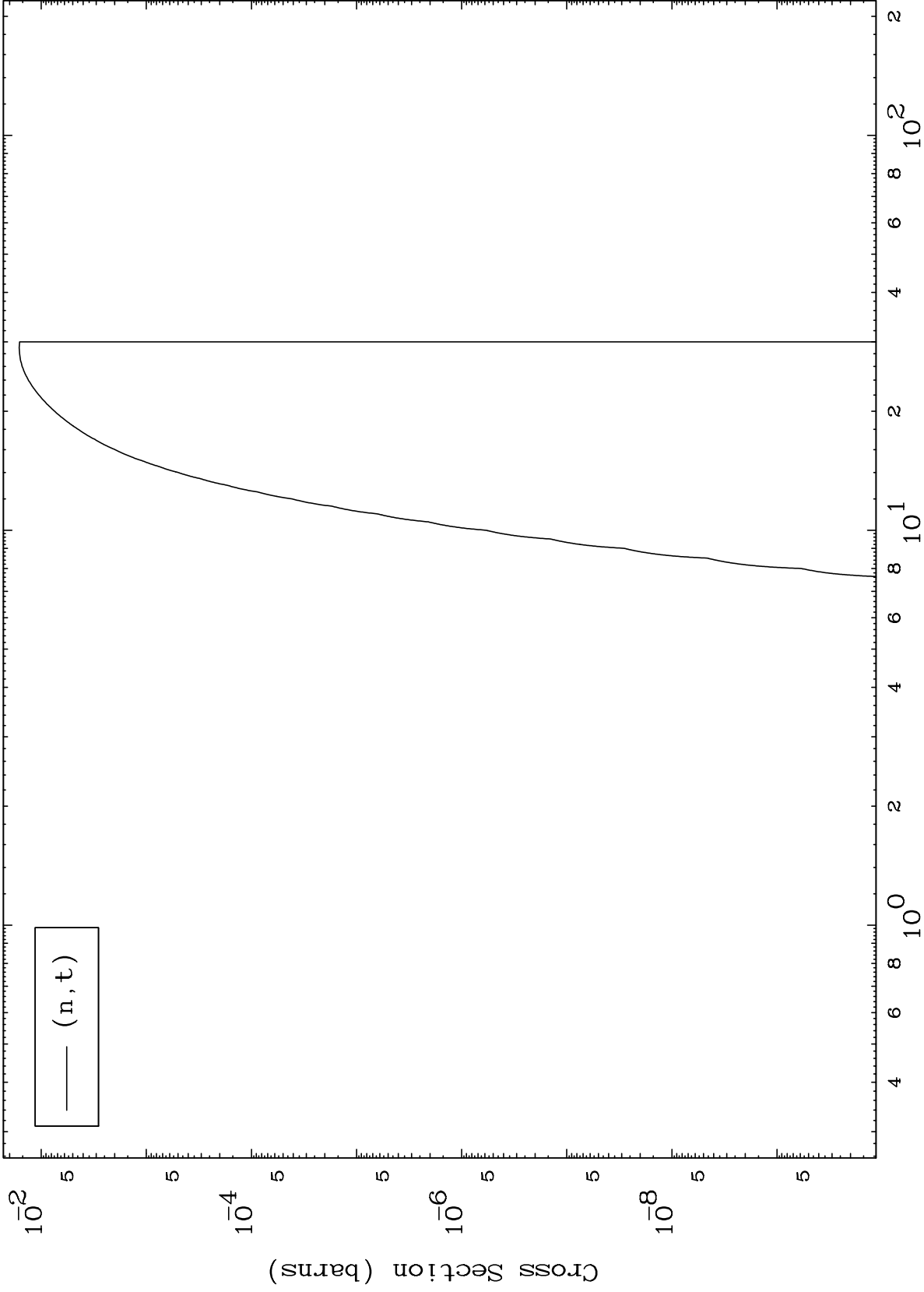
85-At-200m



MAT 8517

(n,t) Levels
293 Kelvin Cross Sections

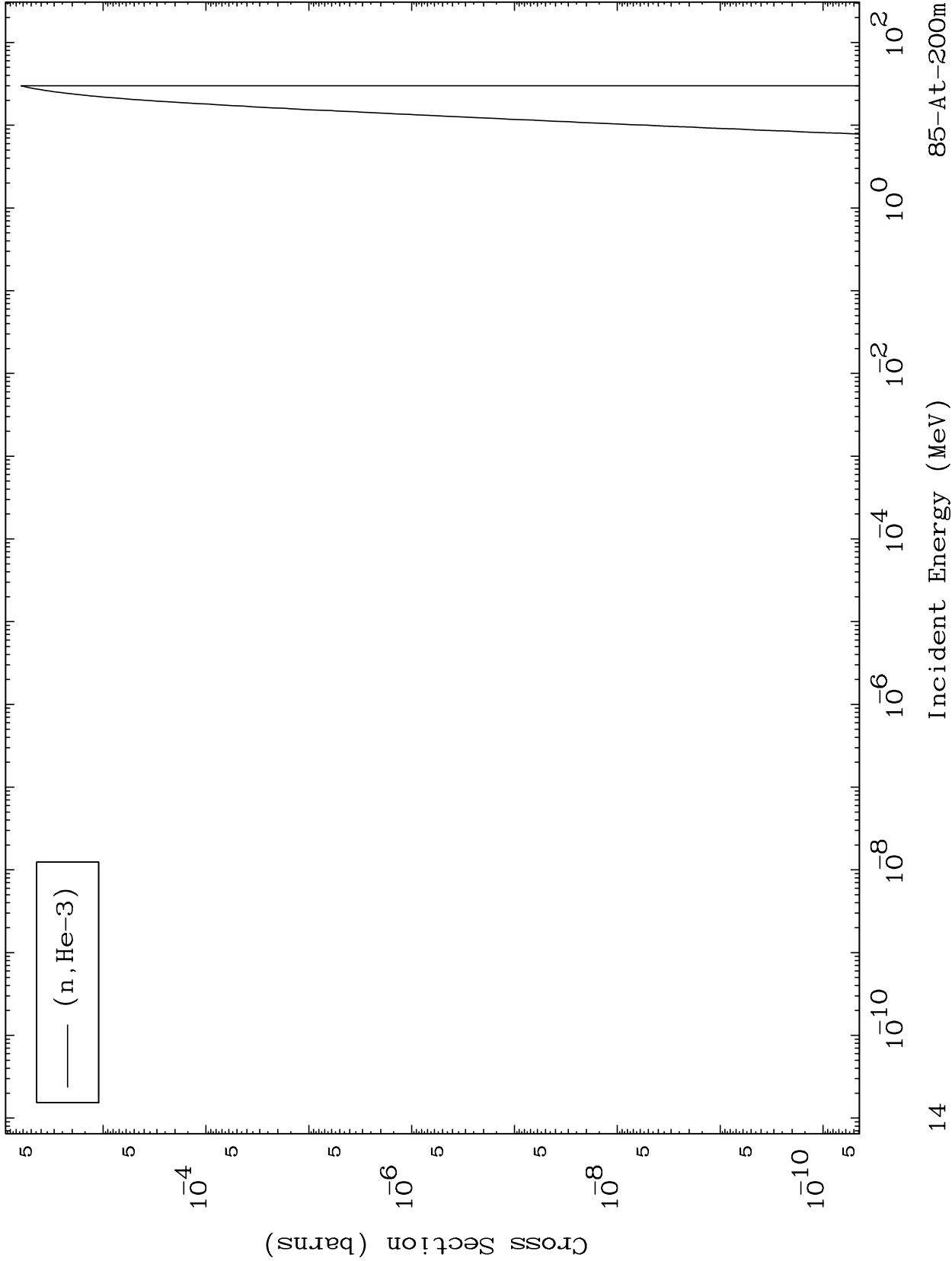
85-At-200m



MAT 8517

(n,He3) Levels
293 Kelvin Cross Sections

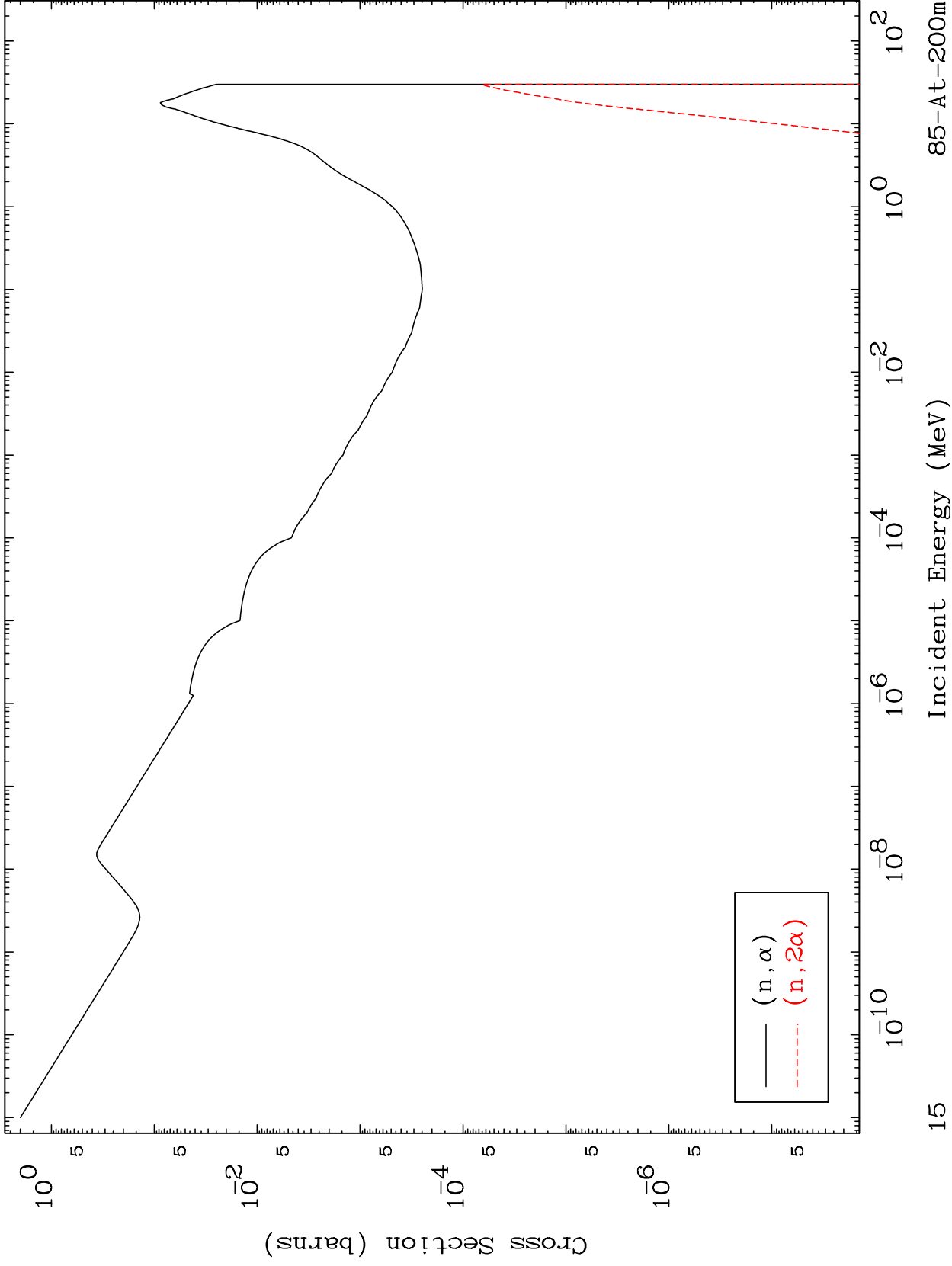
85-At-200m



MAT 8517

(n, α) Levels
293 Kelvin Cross Sections

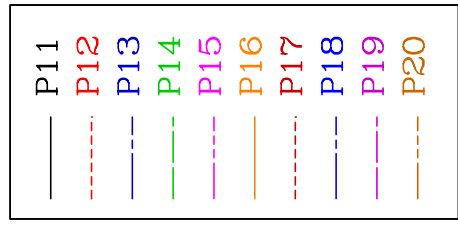
85-At-200m



MAT 8517

Elastic Legendre Coefficients

85-At-200m



$\times 10^{-4}$

Legendre (CM)

2.0

1.5

1.0

0.5

0.0

5

10

15

20

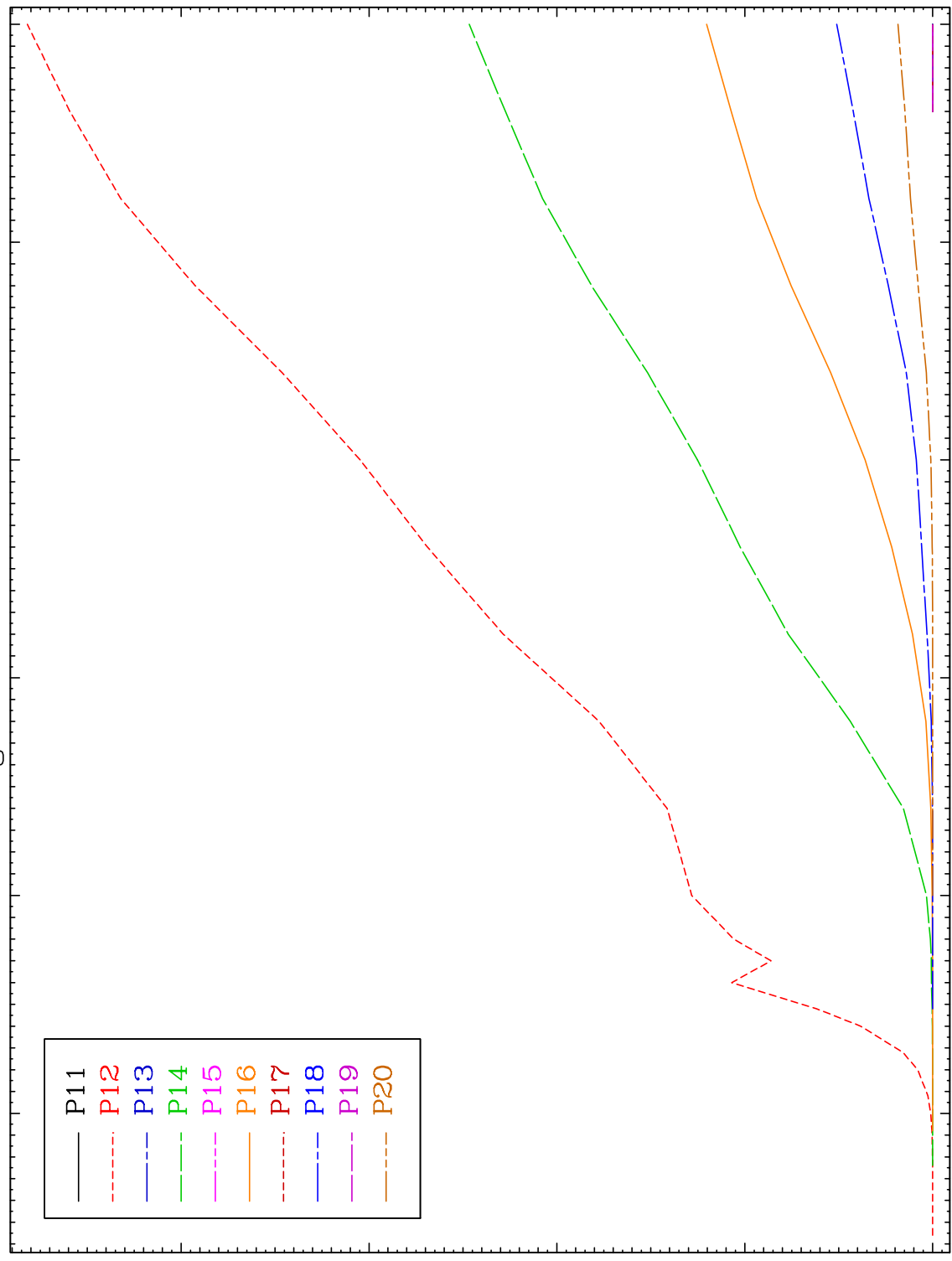
25

30

17

Incident Energy (MeV)

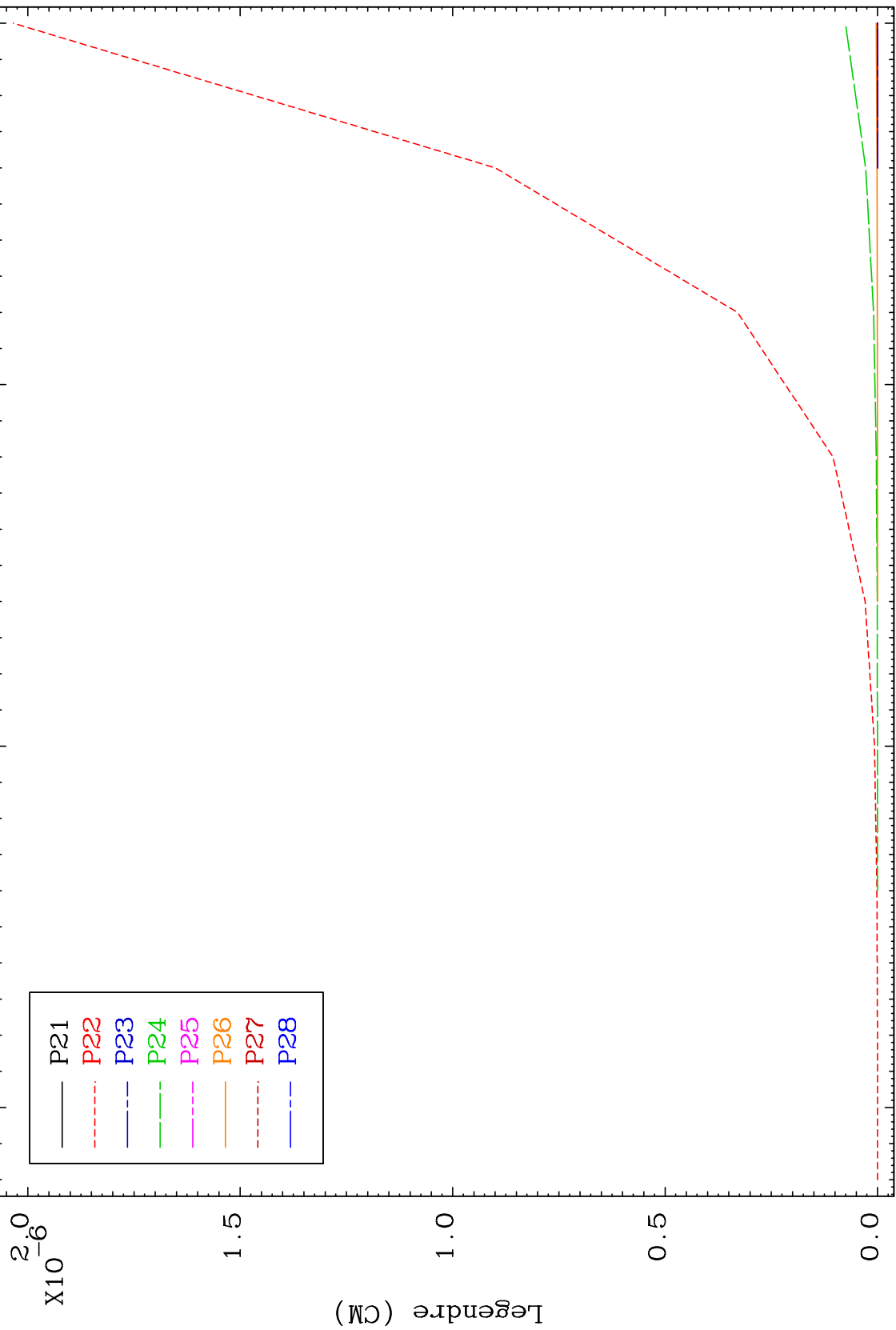
85-At-200m



MAT 8517

Elastic
Legendre Coefficients

85-At-200m



18

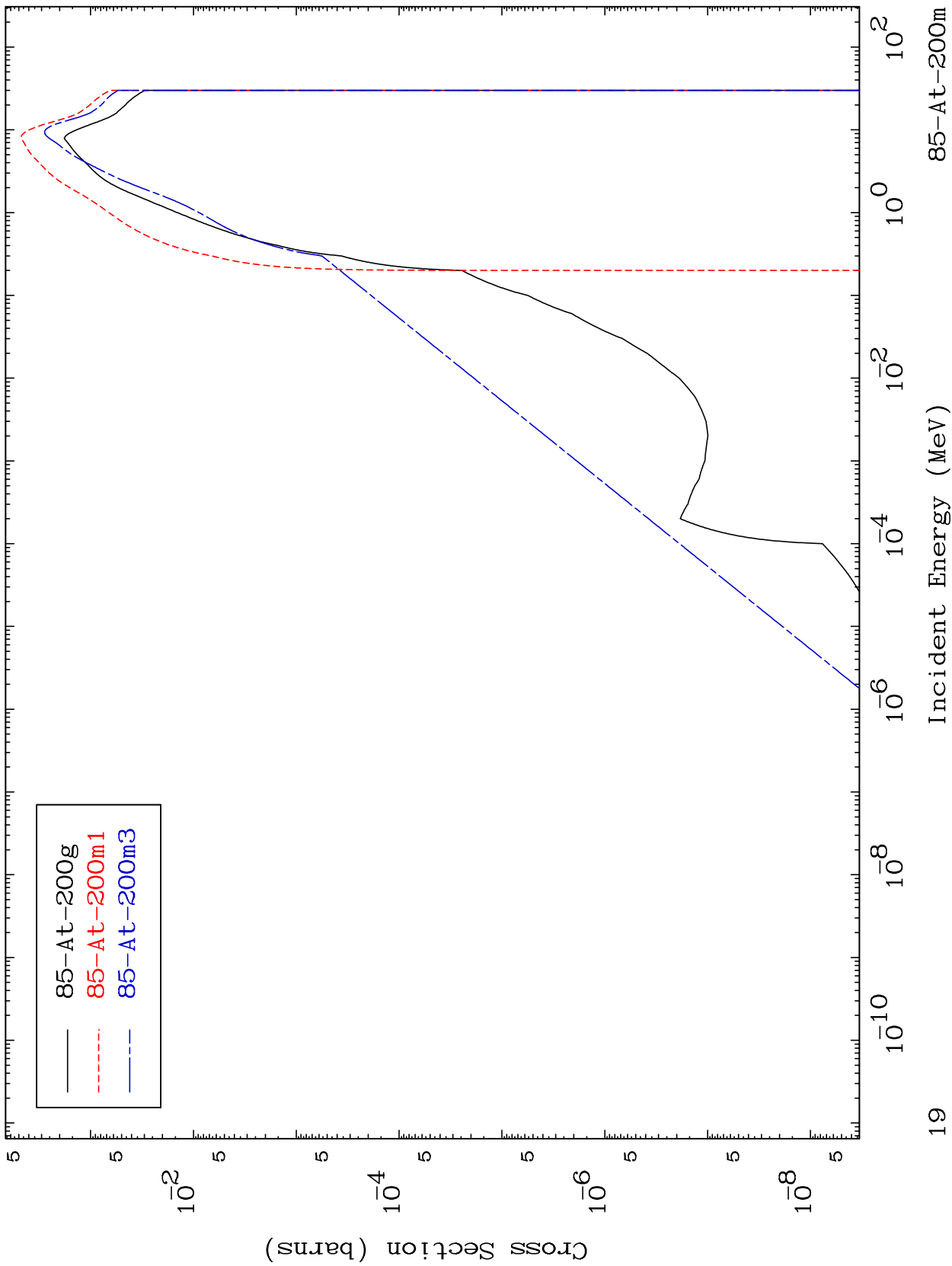
Incident Energy (MeV)

85-At-200m

MAT 8517

85-At-200m

Inelastic
Radionuclide Production Cross Section

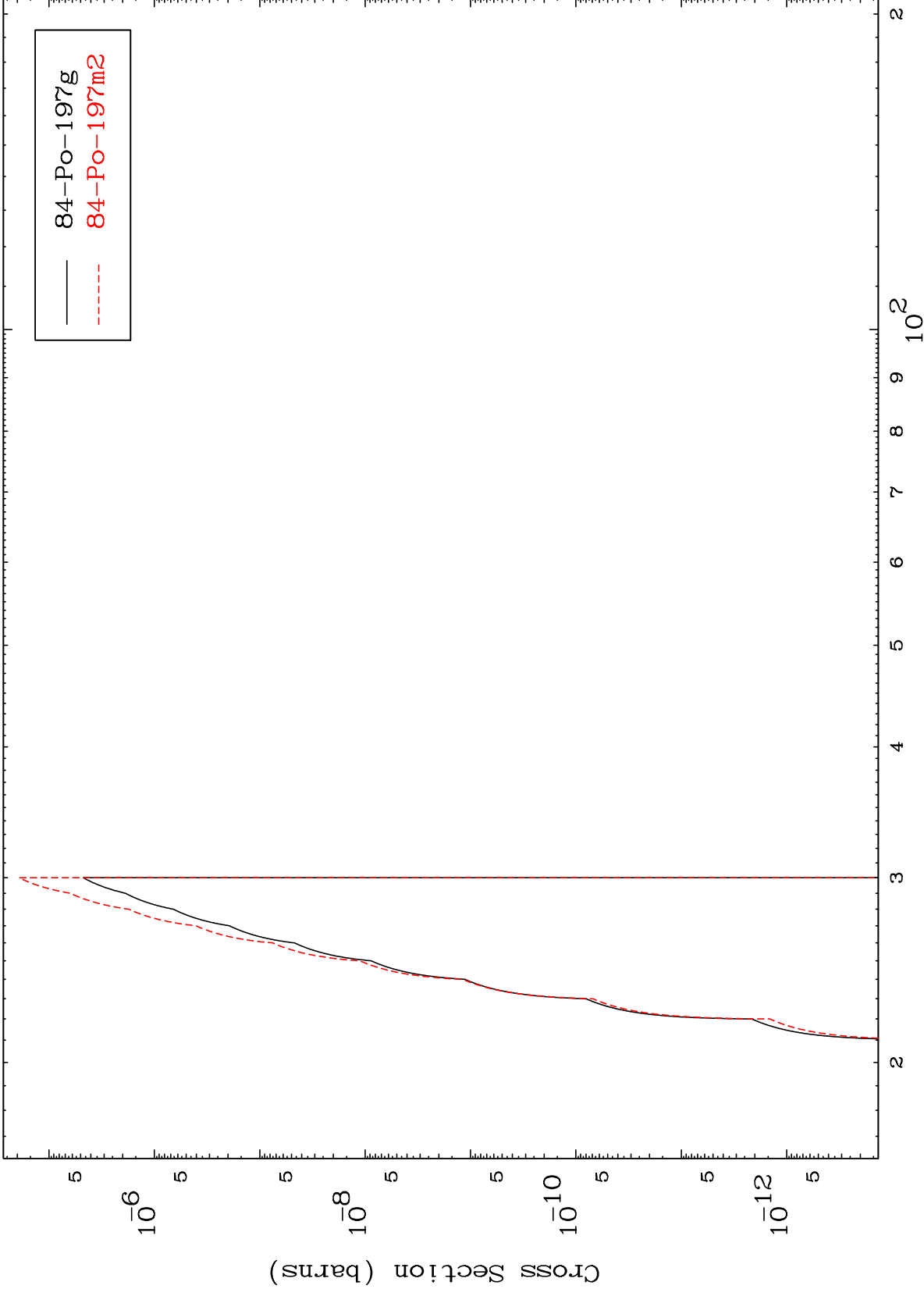


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(n,2n) d

85-At-200m

Radionuclide Production Cross Section



20

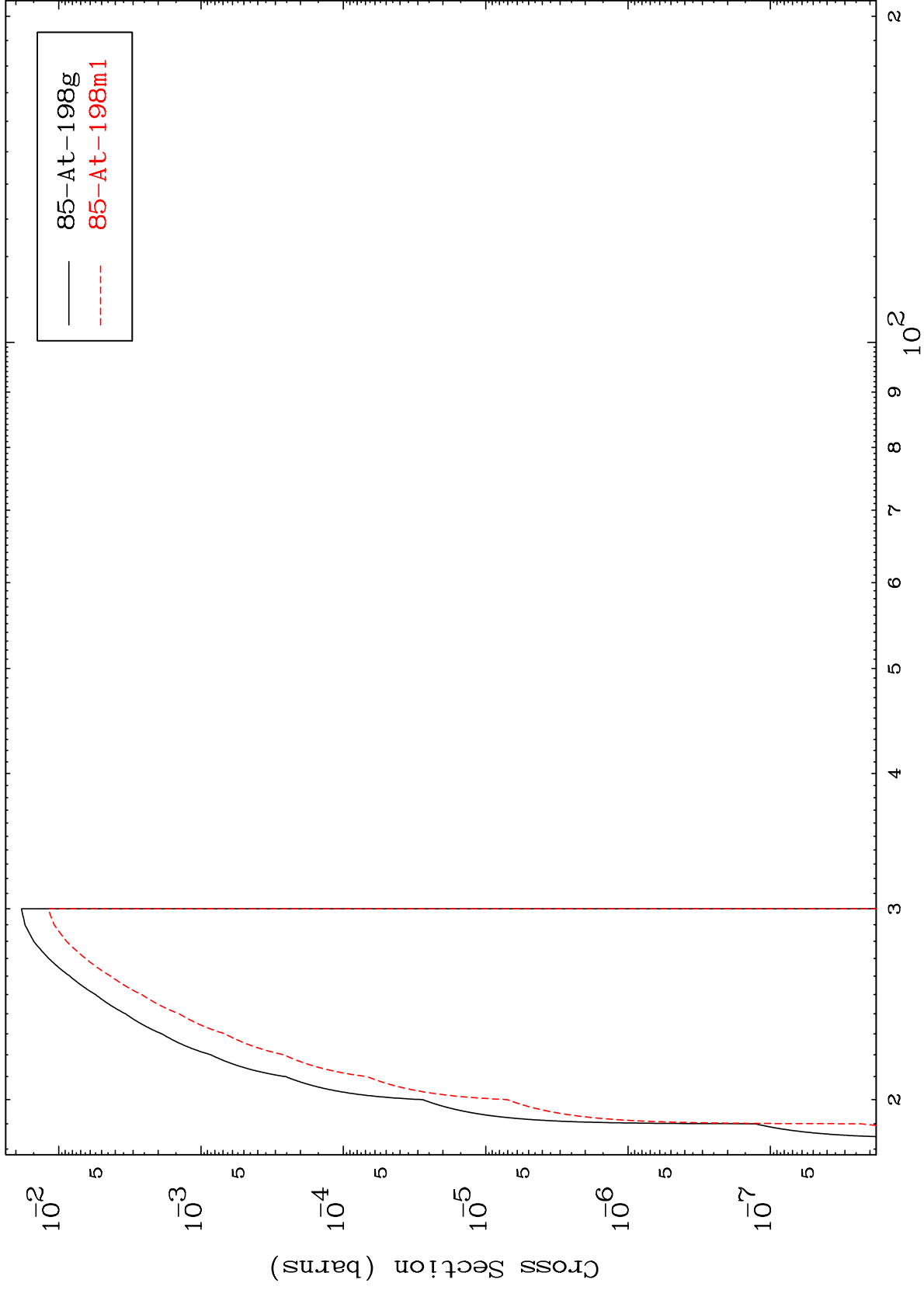
Incident Energy (MeV)

85-At-200m

MAT 8517

85-At-200m

(n,3n)
Radionuclide Production Cross Section



21

Incident Energy (MeV)

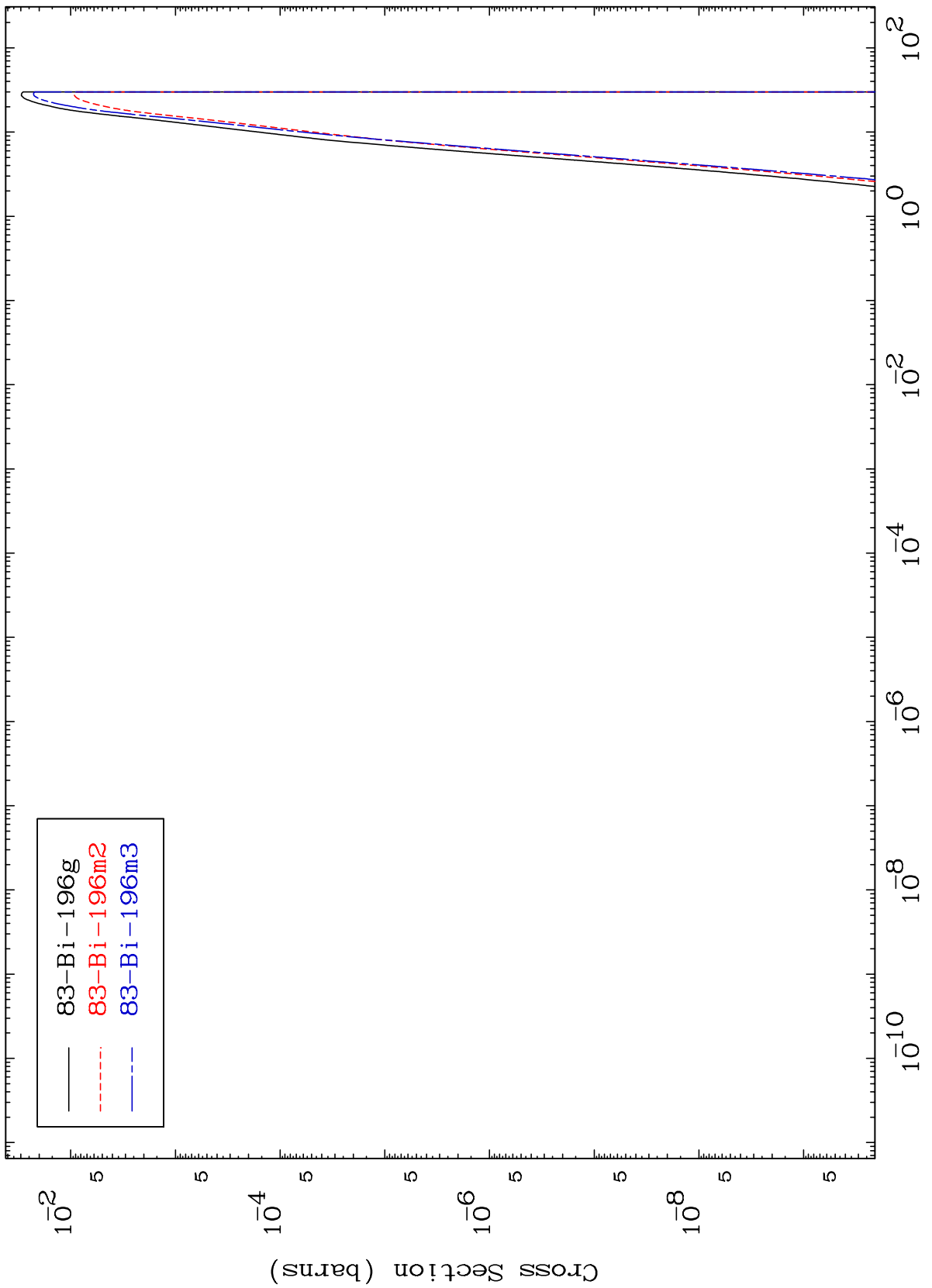
85-At-200m

MAT 8517

$(n, n') \alpha$

85-At-200m

Radionuclide Production Cross Section

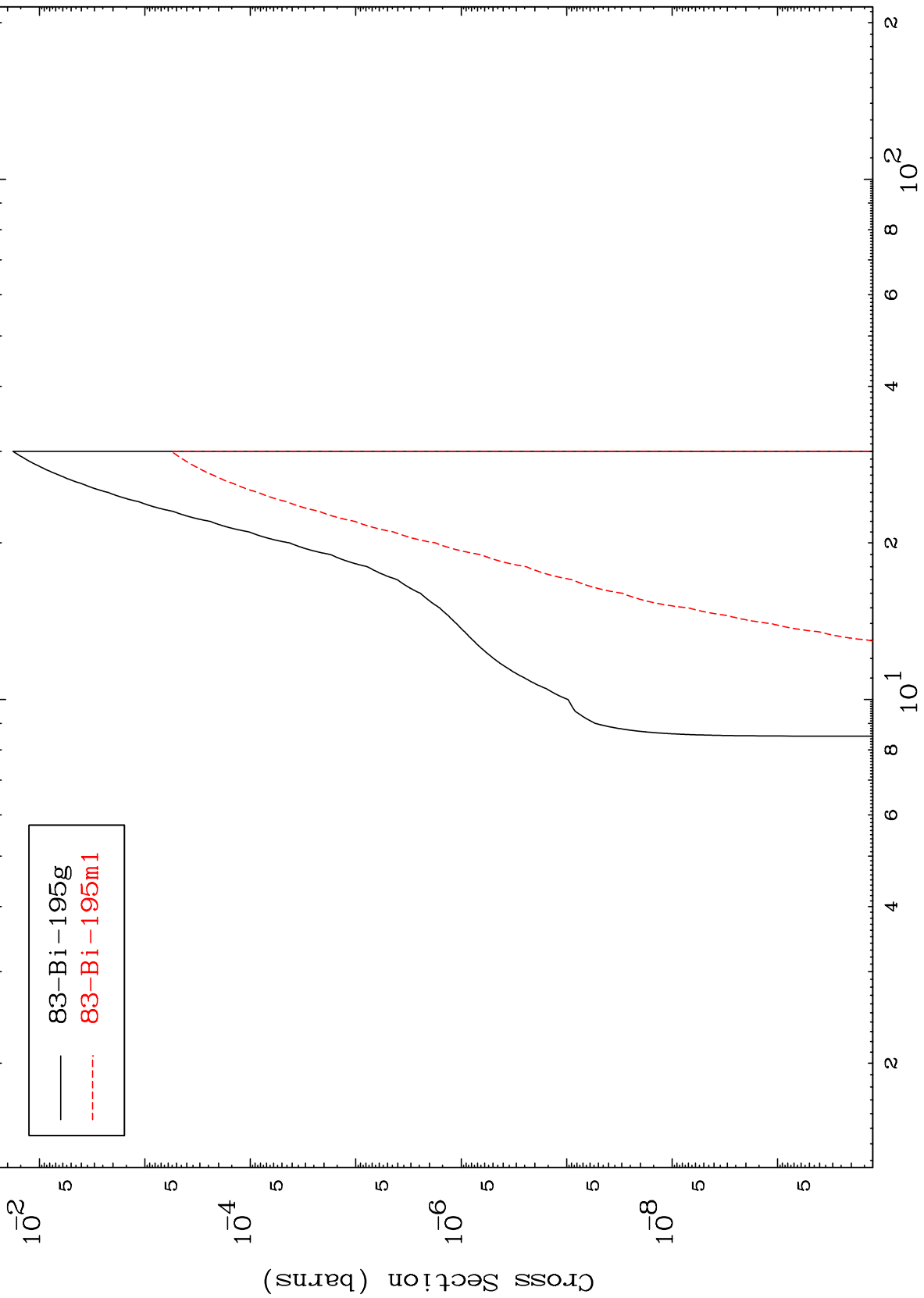


MAT 8517

(n,2n) α

85-At-200m

Radionuclide Production Cross Section

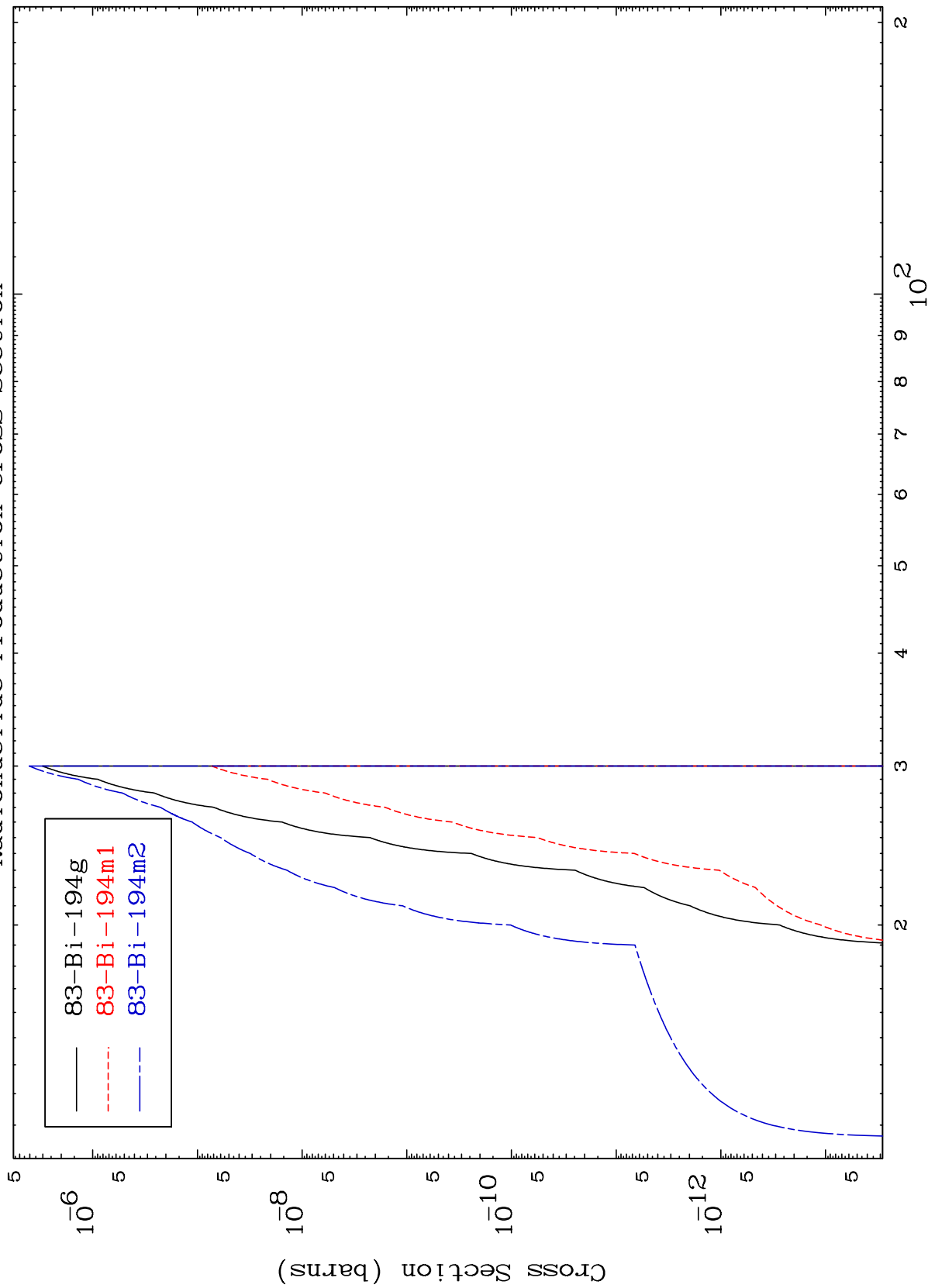


MAT 8517

(n,3n) α

85-At-200m

Radionuclide Production Cross Section



Incident Energy (MeV)

85-At-200m

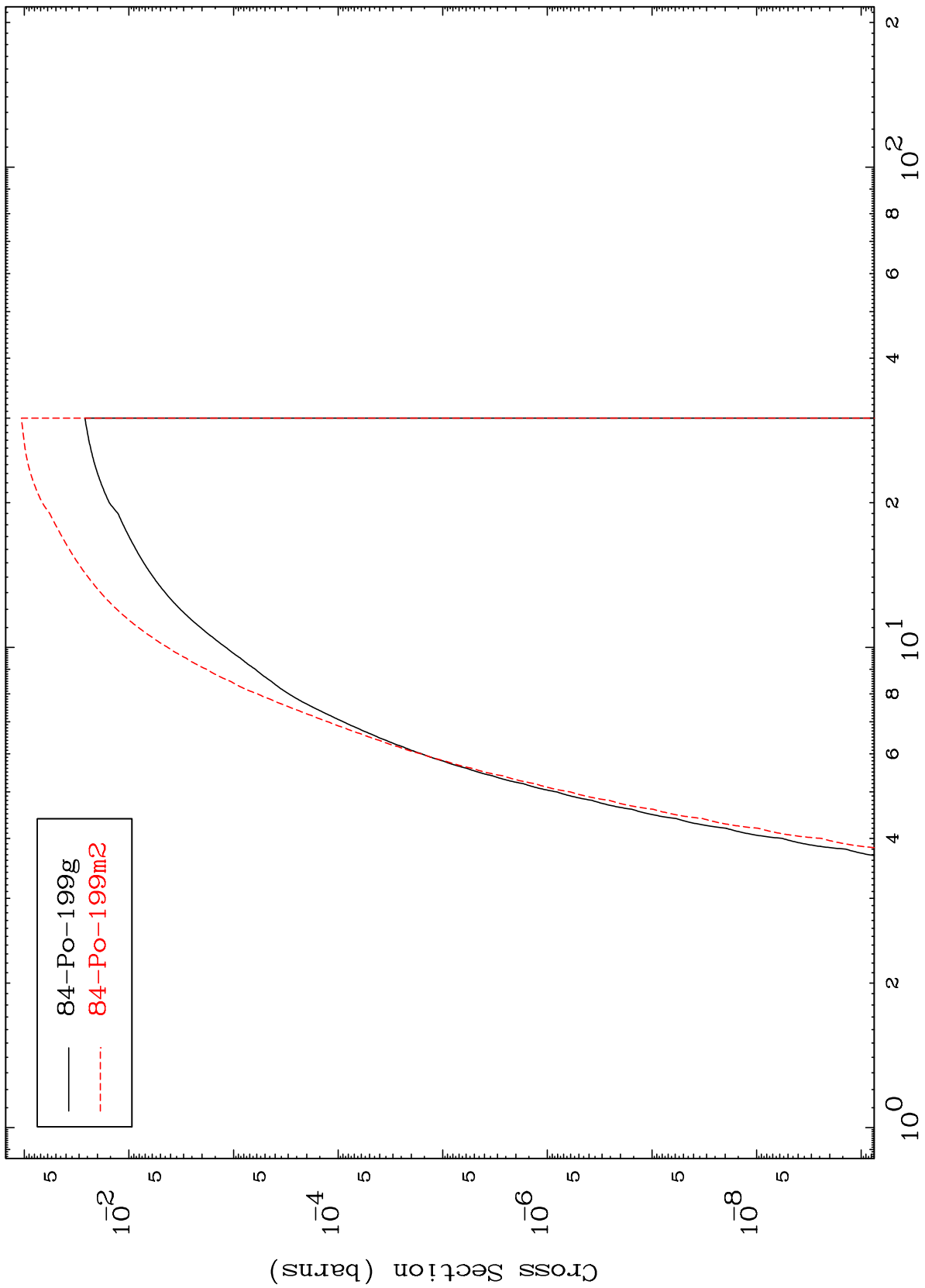
25

MAT 8517

(n,n') p

85-At-200m

Radionuclide Production Cross Section



26

Incident Energy (MeV)

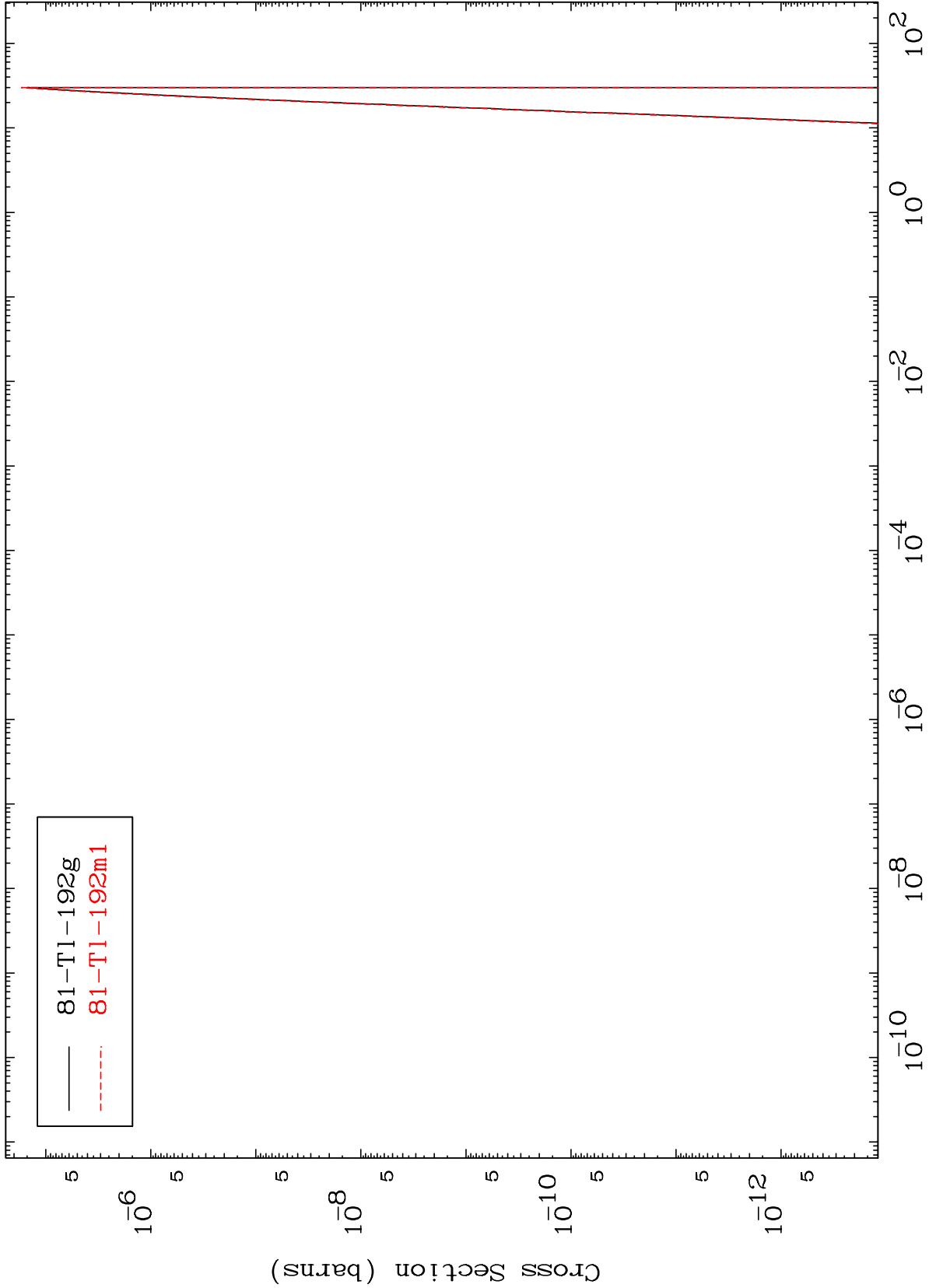
85-At-200m

MAT 8517

(n,n') 2α

85-At-200m

Radionuclide Production Cross Section

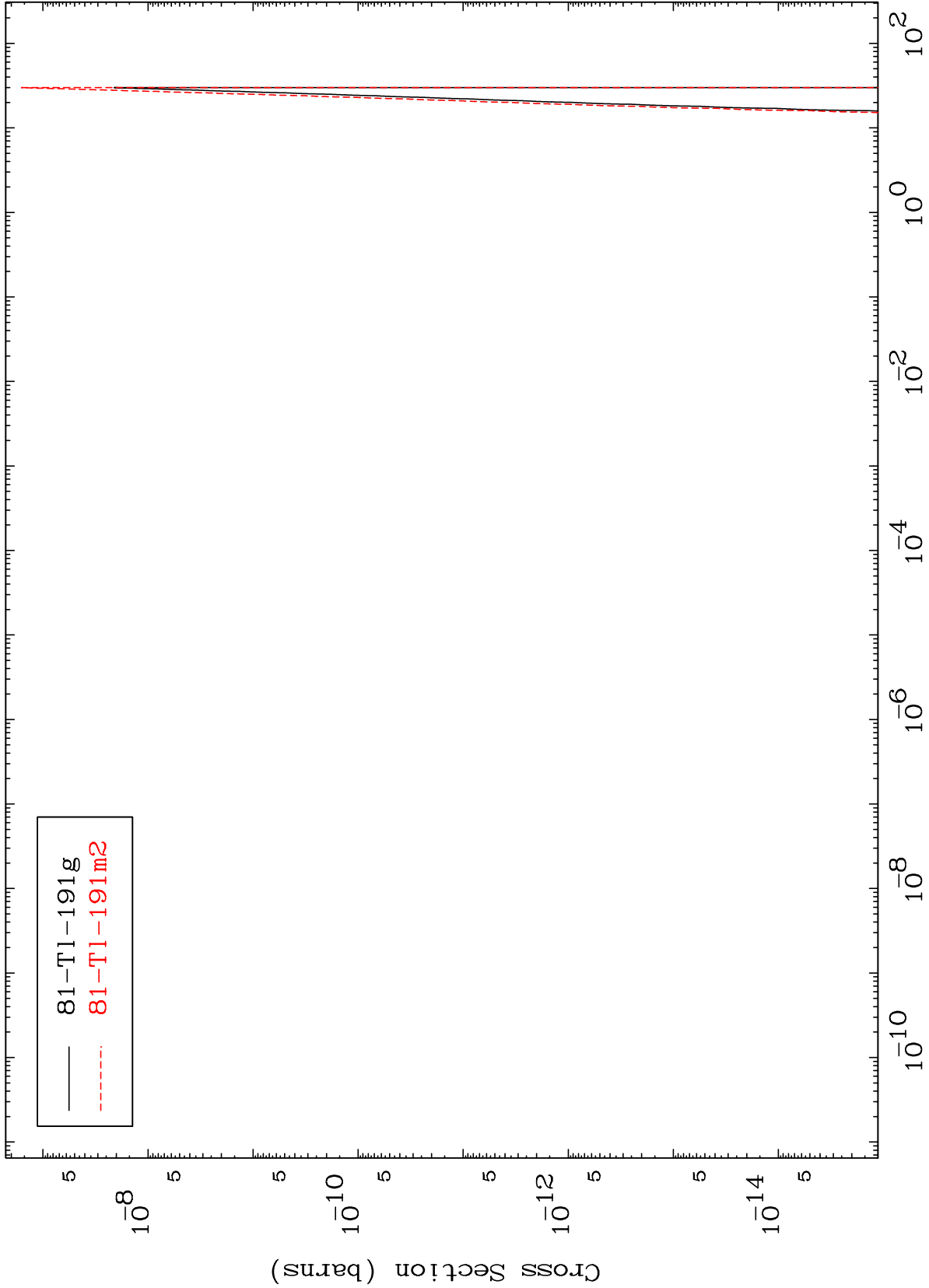


MAT 8517

(n,2n) 2α

85-At-200m

Radionuclide Production Cross Section



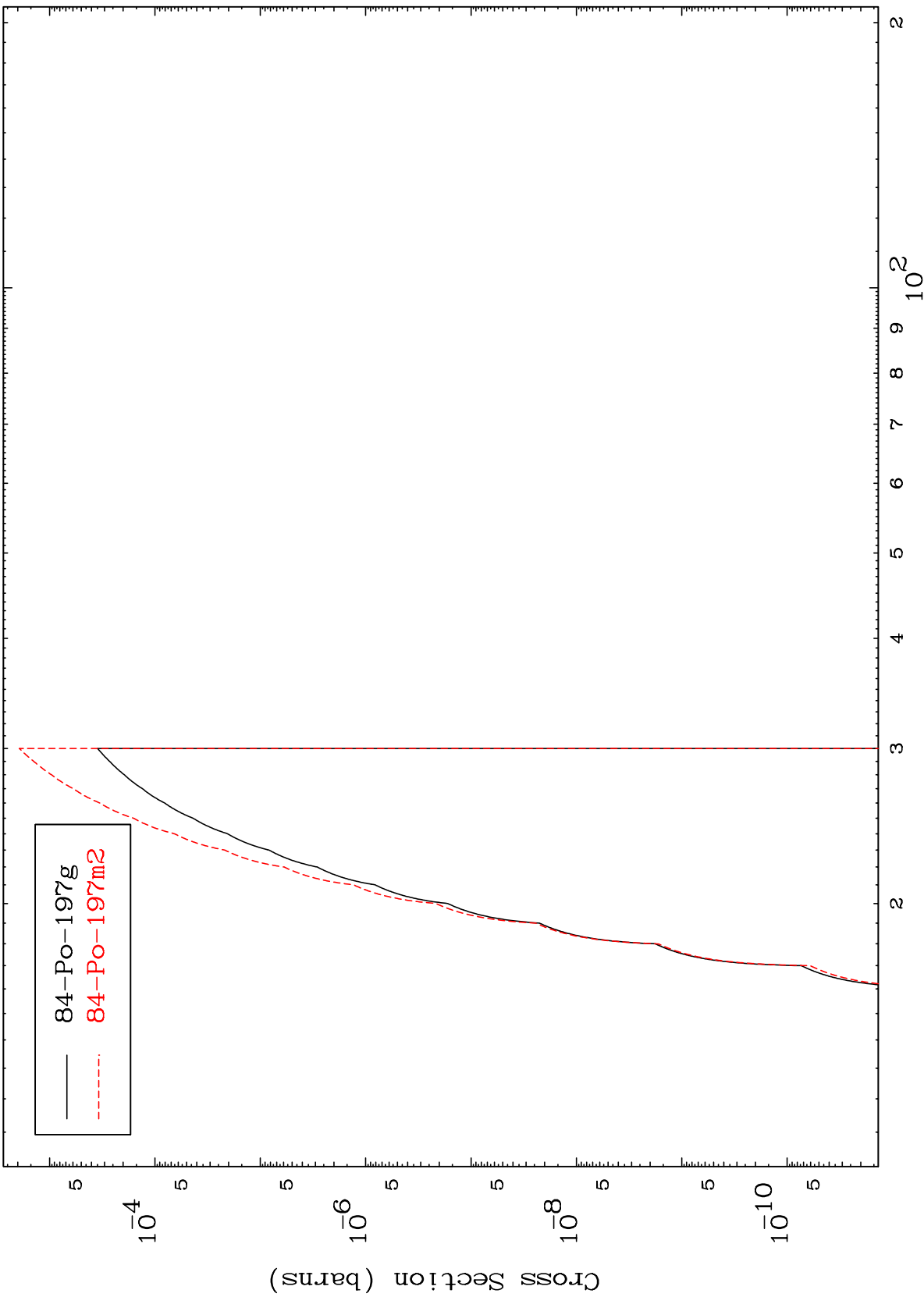
81-Tl-191g
81-Tl-191m2

MAT 8517

(n,n') t

85-At-200m

Radionuclide Production Cross Section



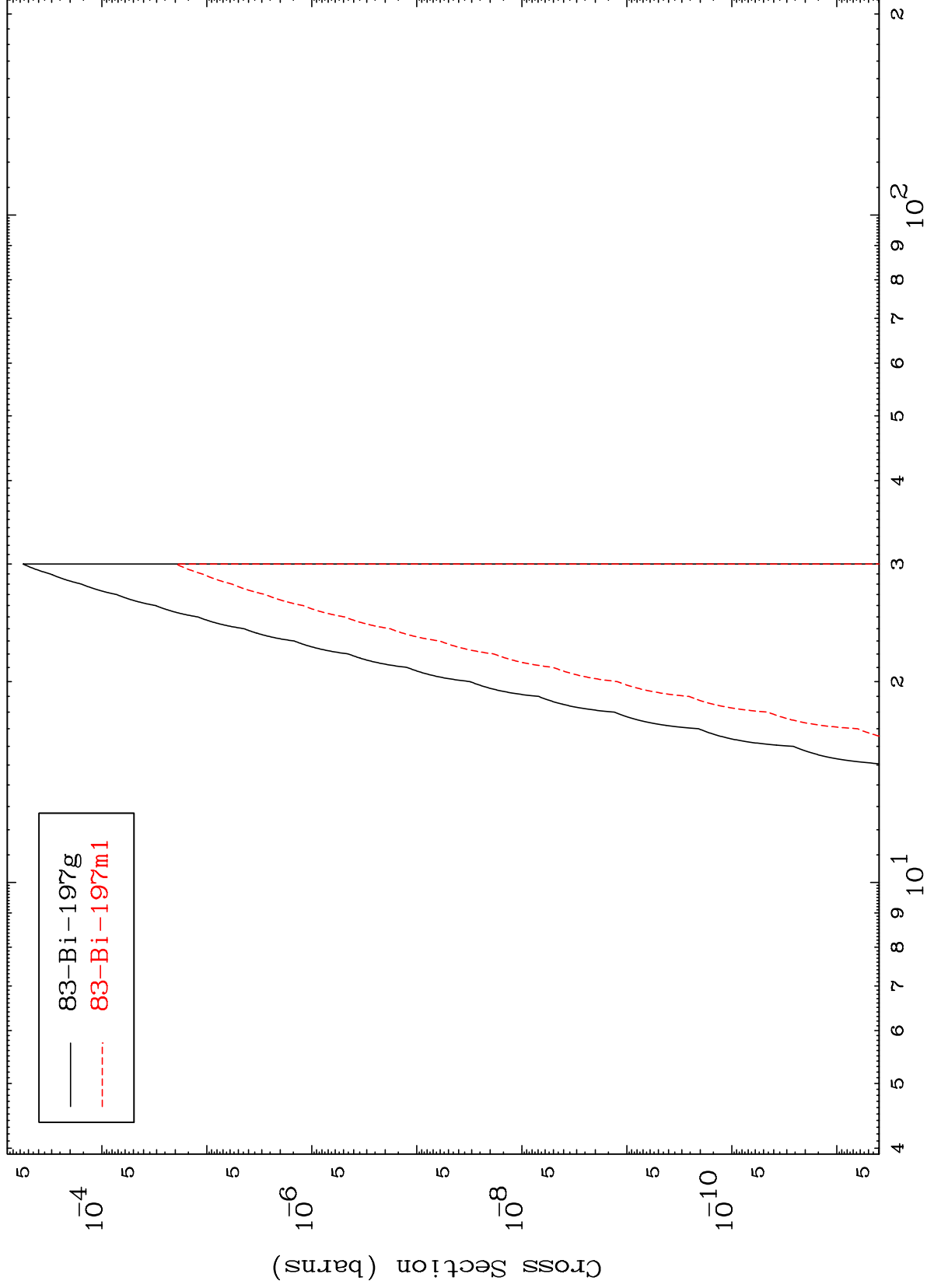
84-Po-197g
84-Po-197m2

MAT 8517

(n,n') He-3

85-At-200m

Radionuclide Production Cross Section



30

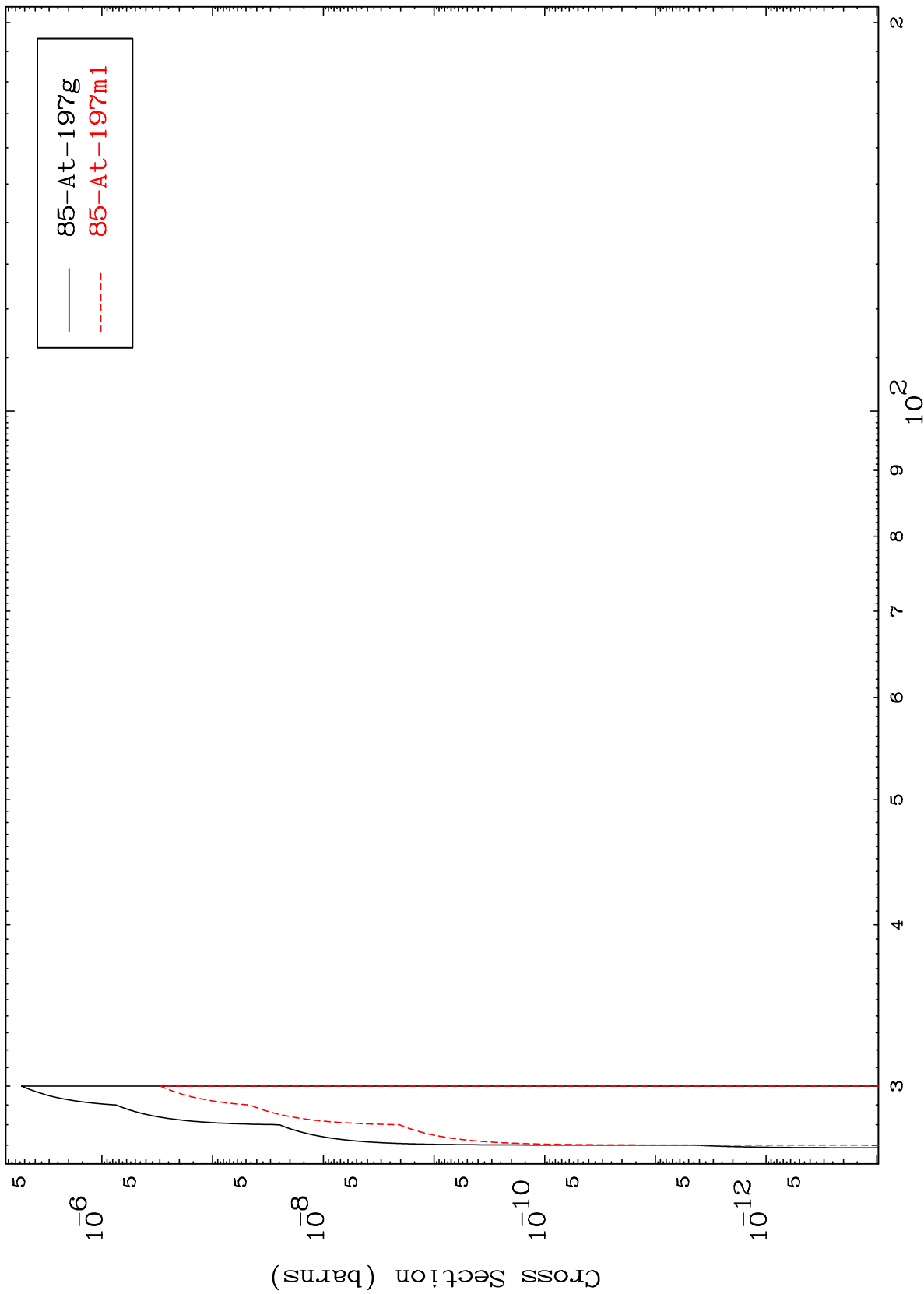
Incident Energy (MeV)

85-At-200m

MAT 8517

85-At-200m

(n,4n)
Radionuclide Production Cross Section



31

85-At-200m

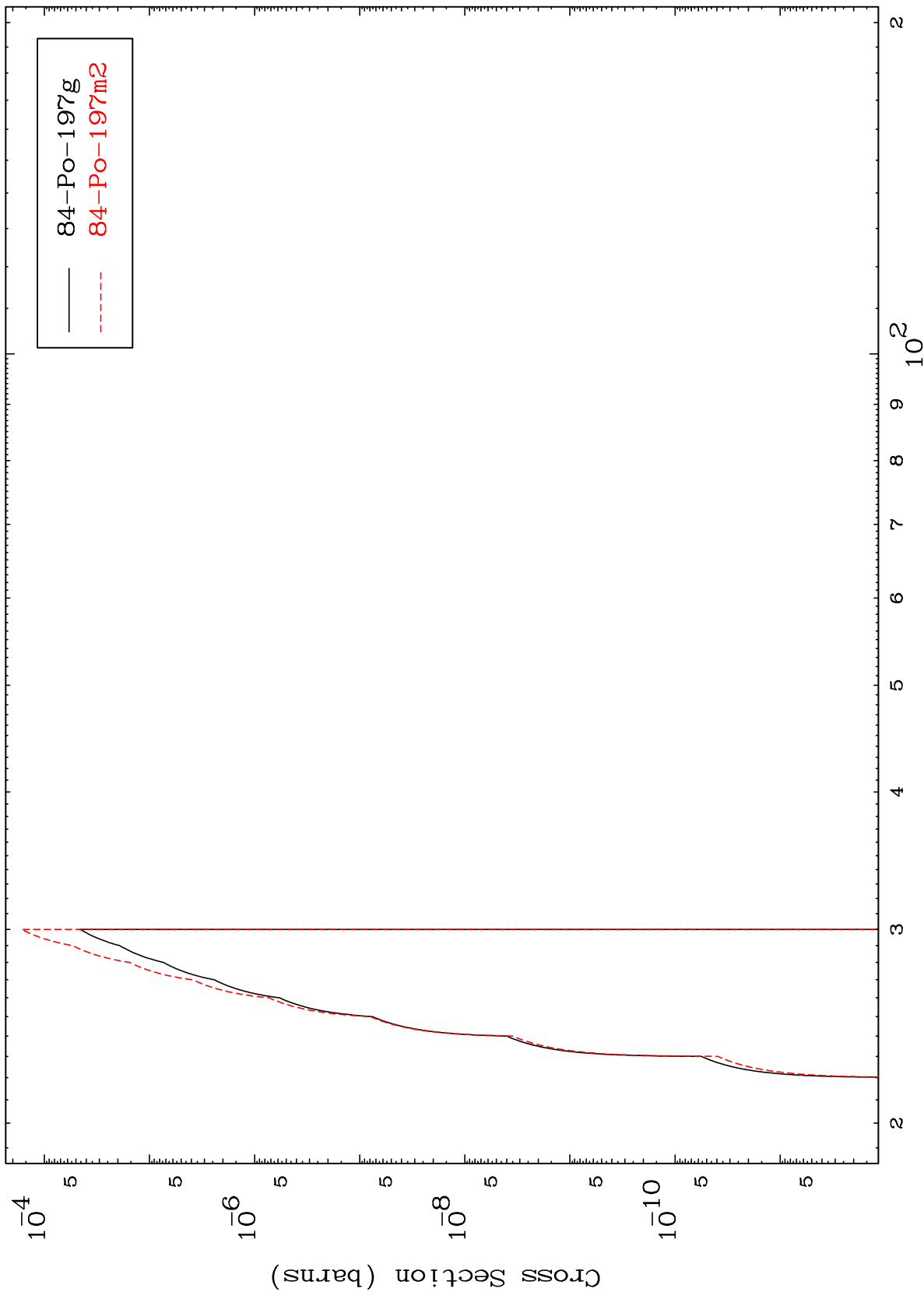
Incident Energy (MeV)

MAT 8517

(n,3n) p

85-At-200m

Radionuclide Production Cross Section



32

Incident Energy (MeV)

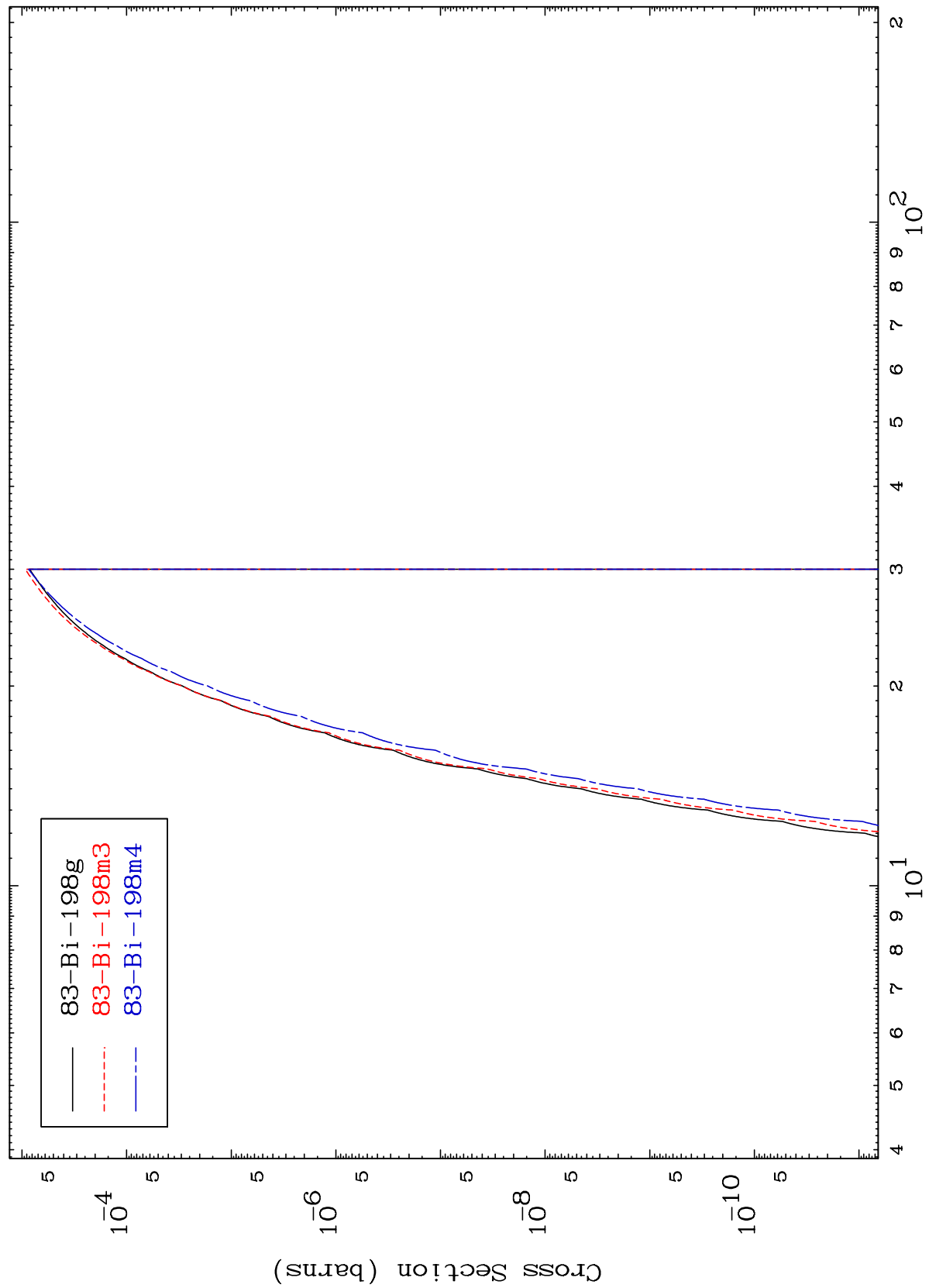
85-At-200m

MAT 8517

(n,2n) p

85-At-200m

Radionuclide Production Cross Section



33

Incident Energy (MeV)

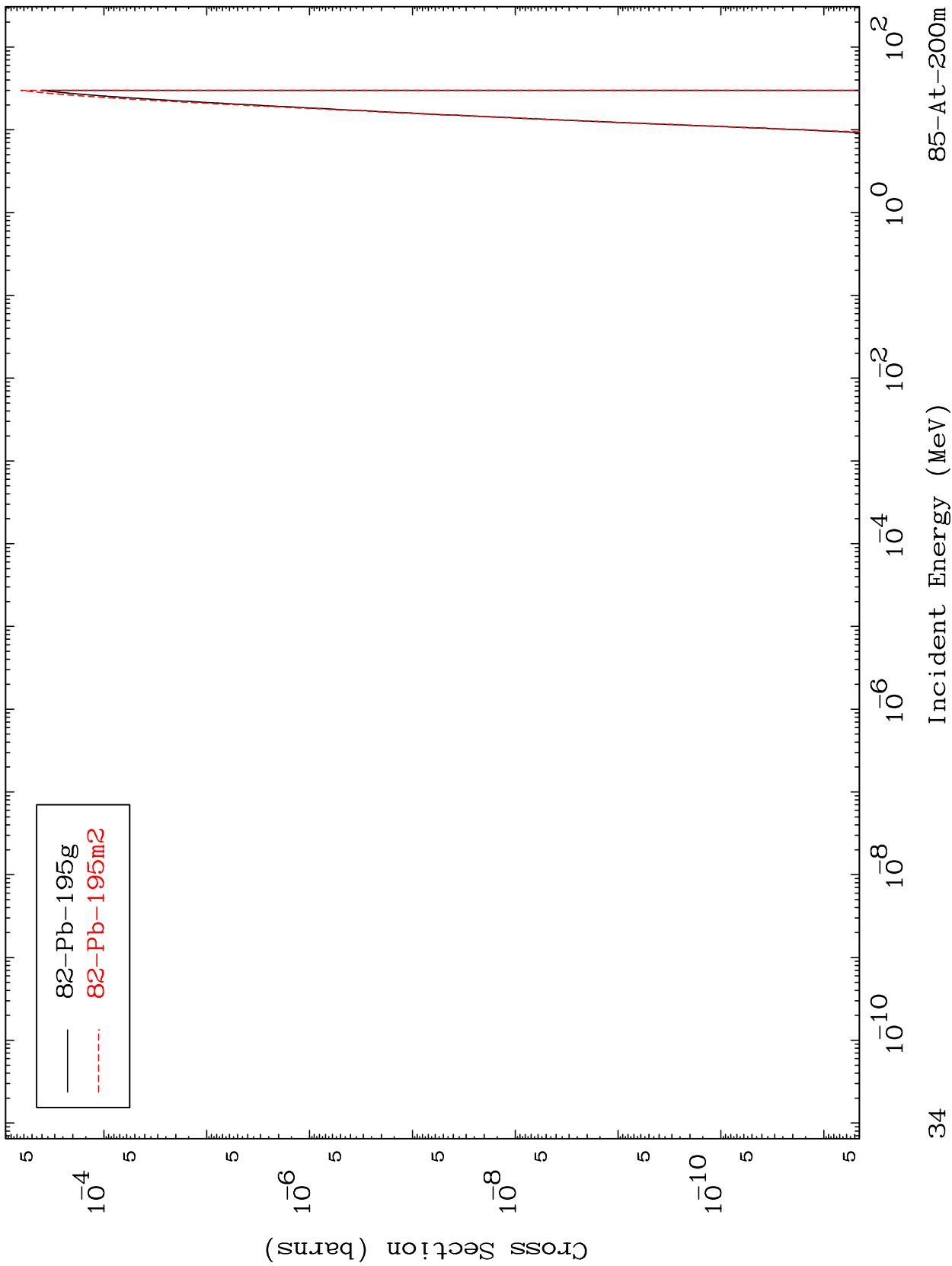
85-At-200m

MAT 8517

(n,n') p α

85-At-200m

Radionuclide Production Cross Section

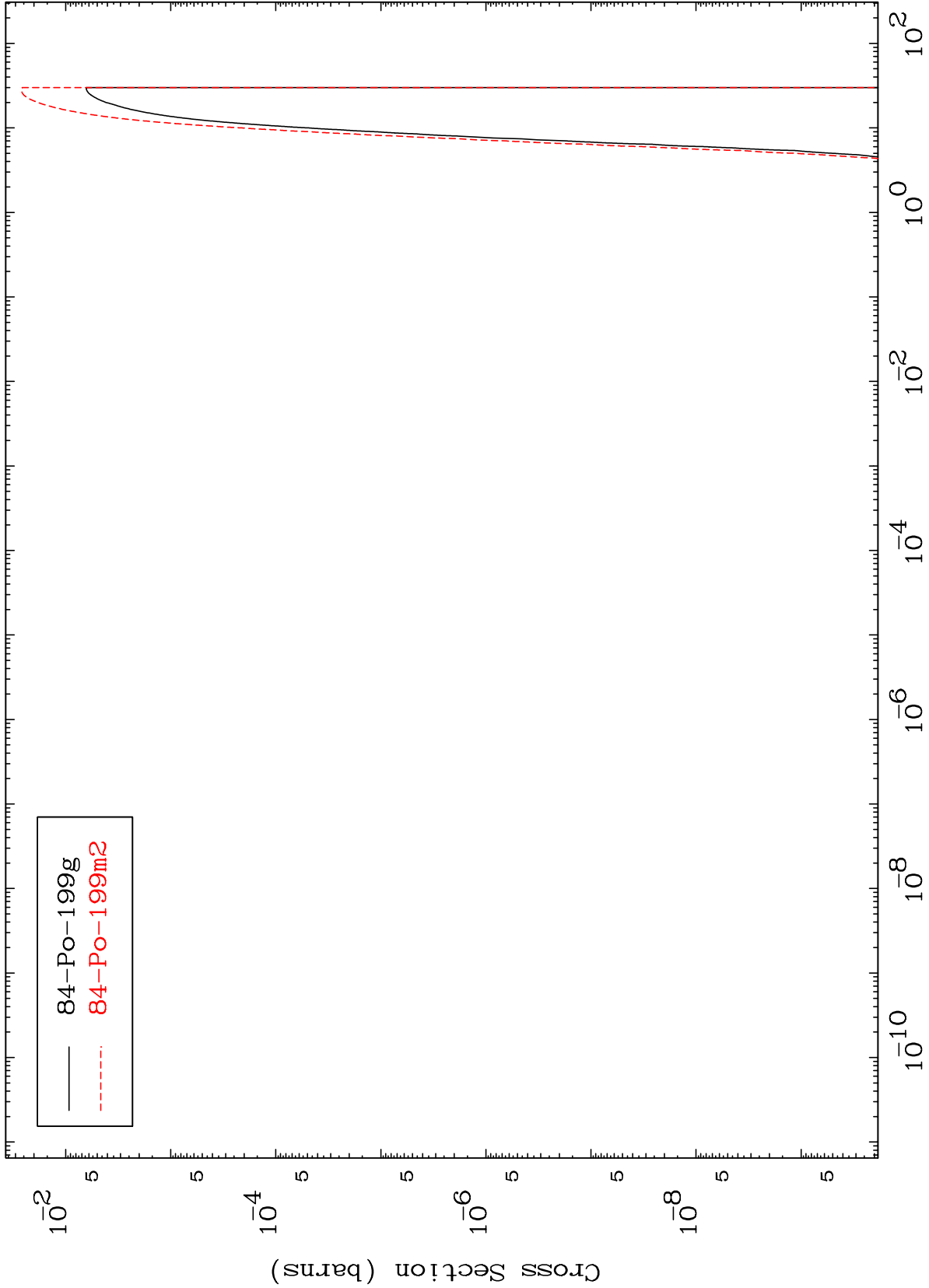


MAT 8517

(n,d)

85-At-200m

Radionuclide Production Cross Section

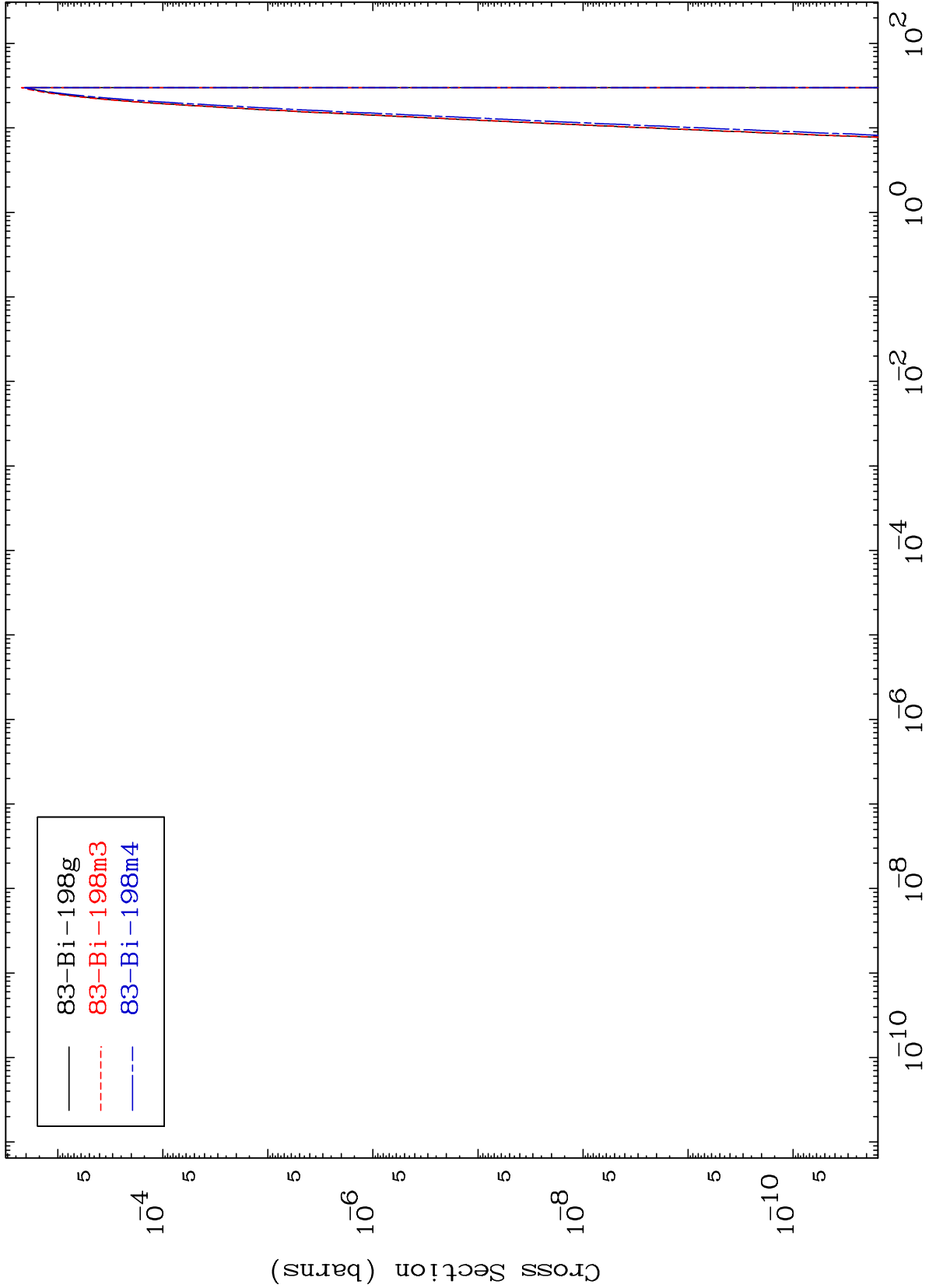


MAT 8517

(n,He-3)

85-At-200m

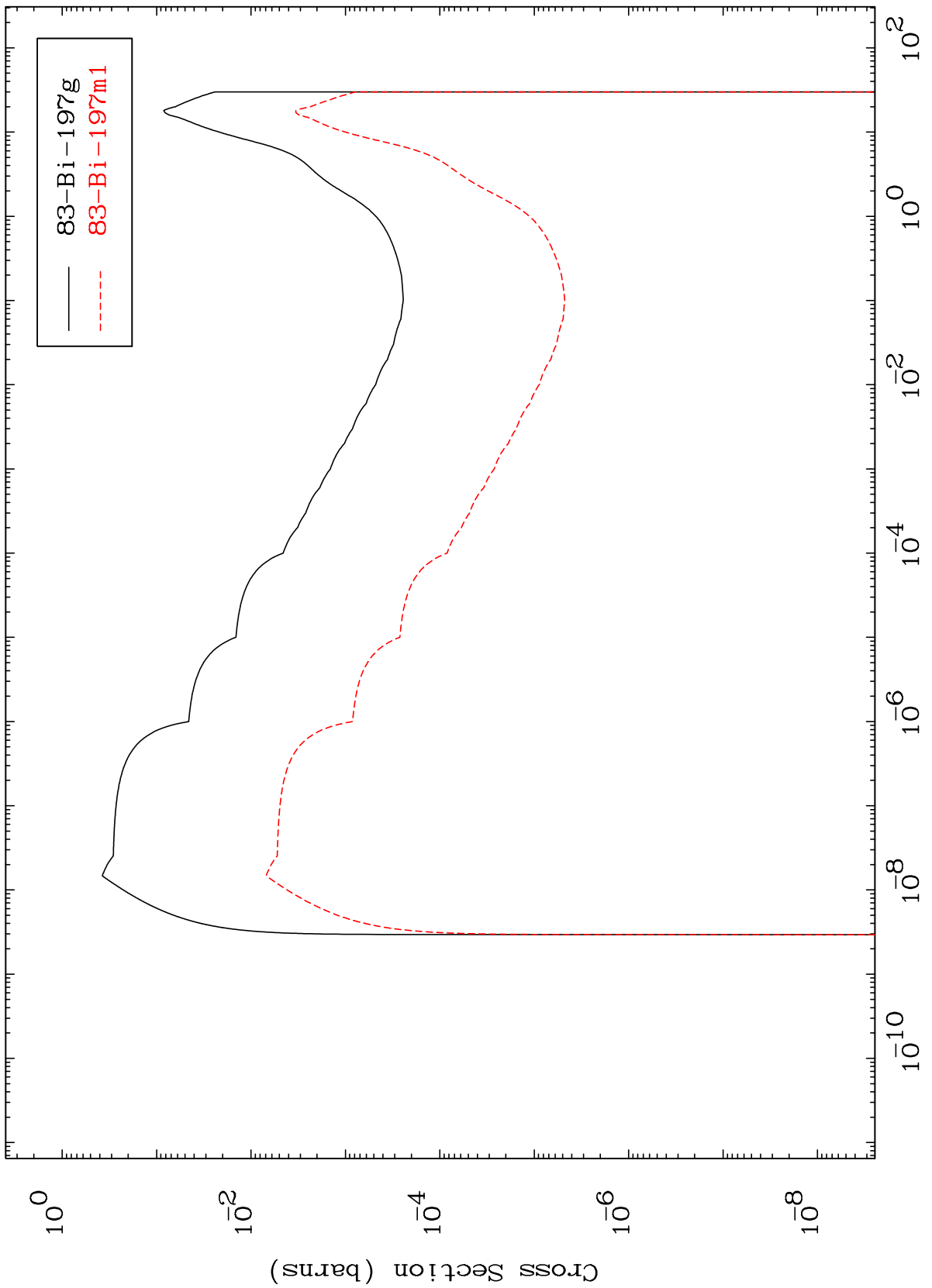
Radionuclide Production Cross Section



MAT 8517

85-At-200m

(n, α)
Radionuclide Production Cross Section



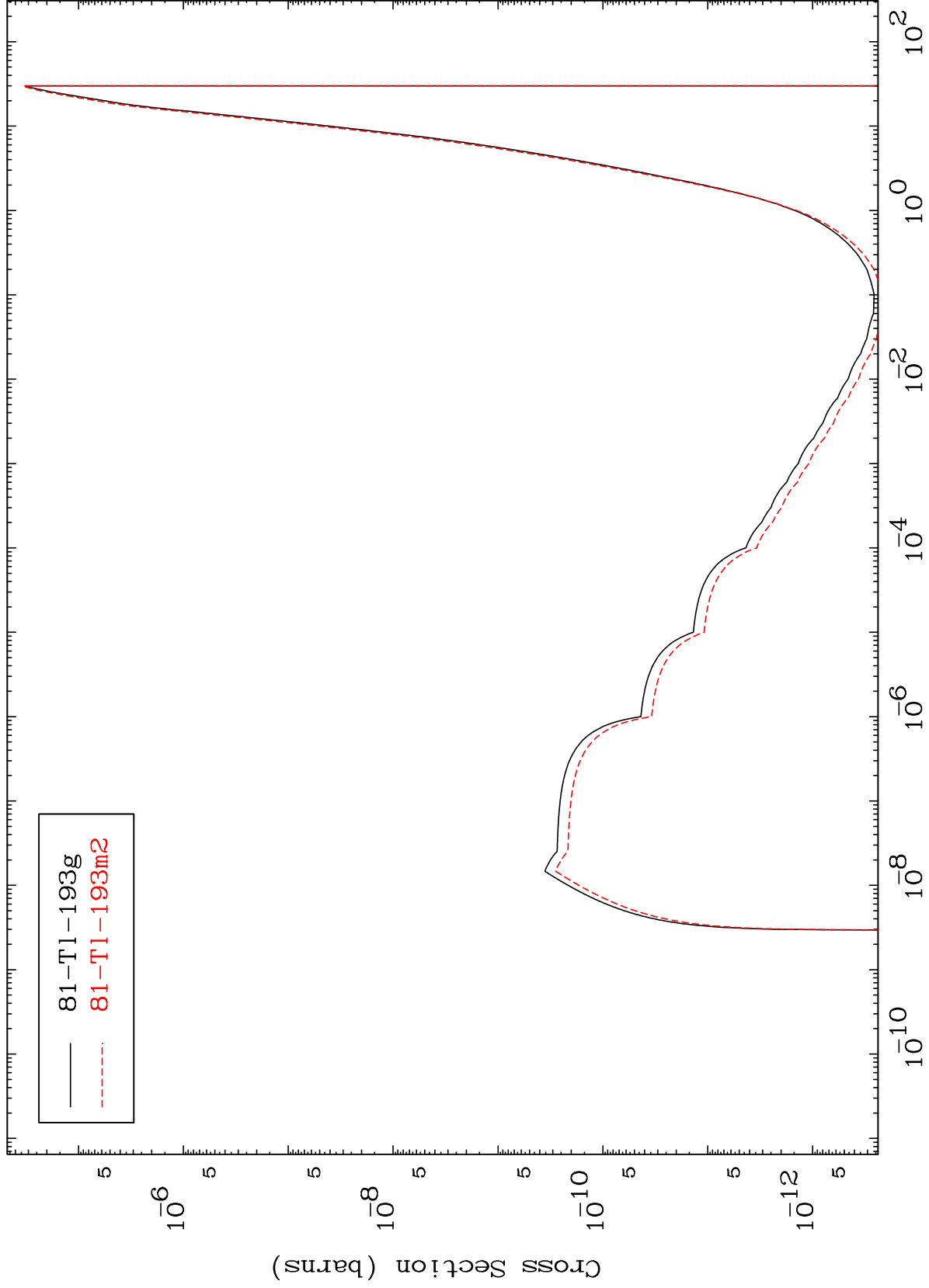
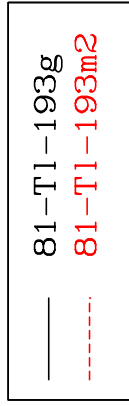
— 83-Bi-197g
- - - 83-Bi-197m1

MAT 8517

(n,2α)

85-At-200m

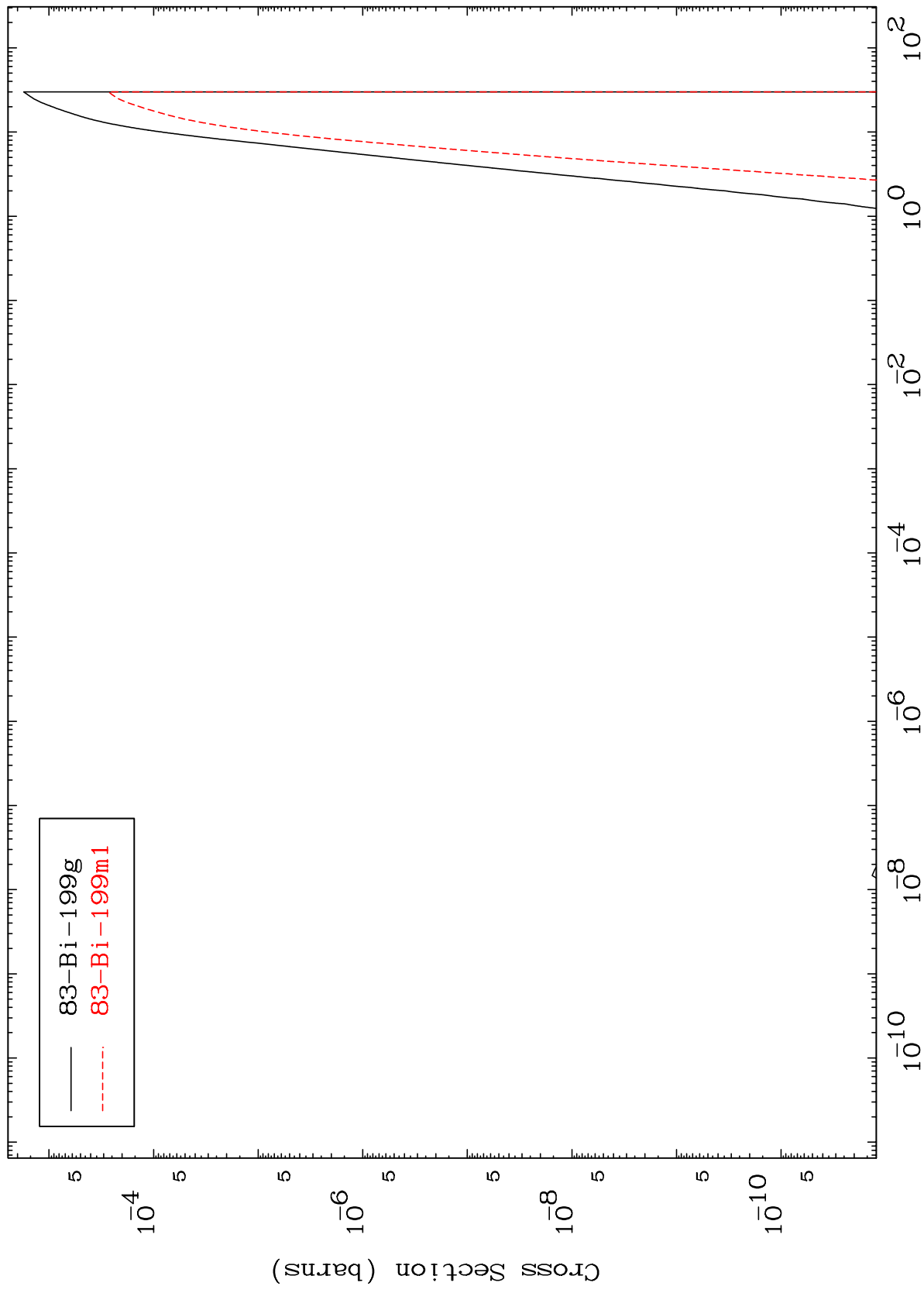
Radionuclide Production Cross Section



MAT 8517

85-At-200m

(n,2p)
Radionuclide Production Cross Section



39

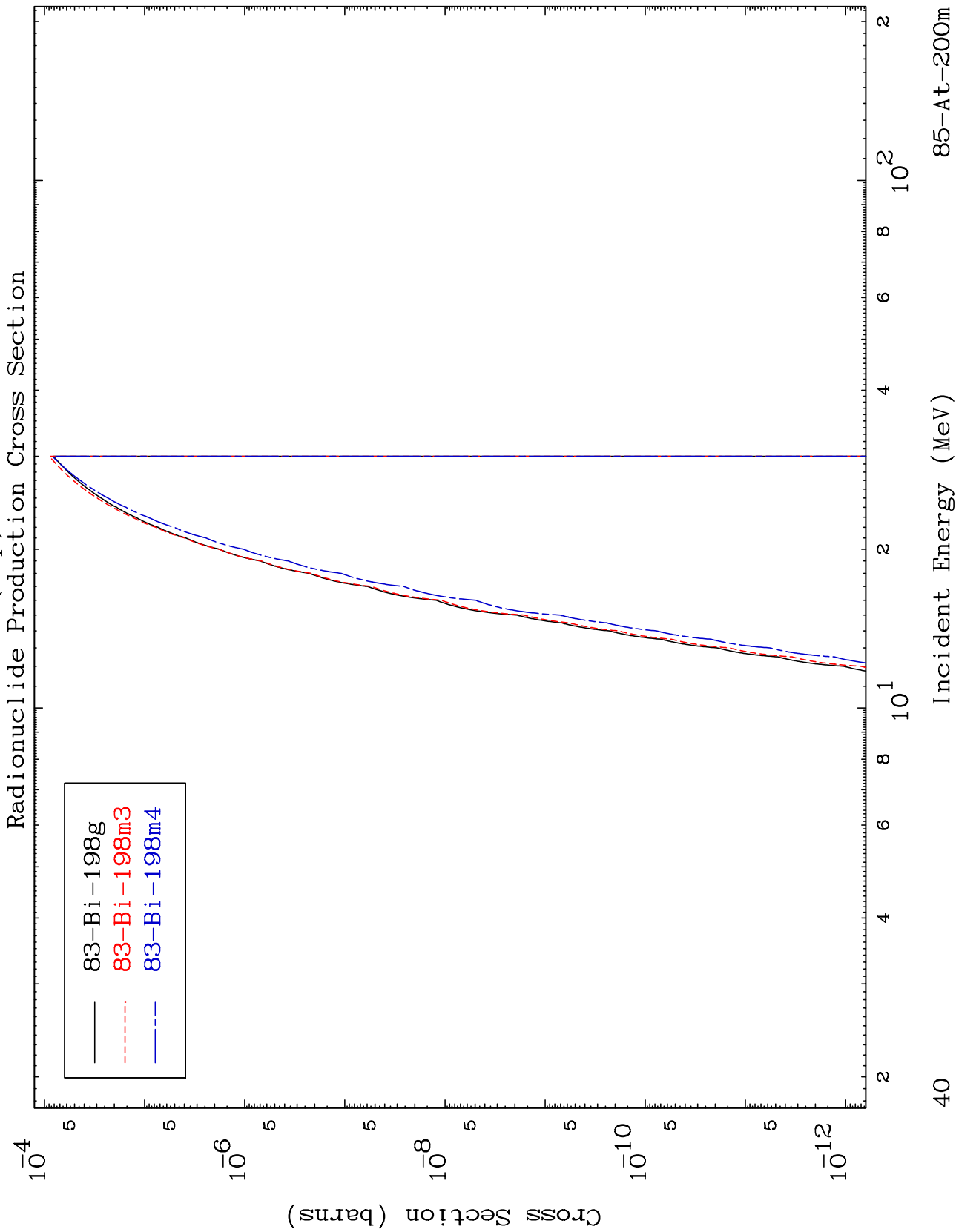
85-At-200m

Incident Energy (MeV)

MAT 8517

(n,p) d

85-At-200m



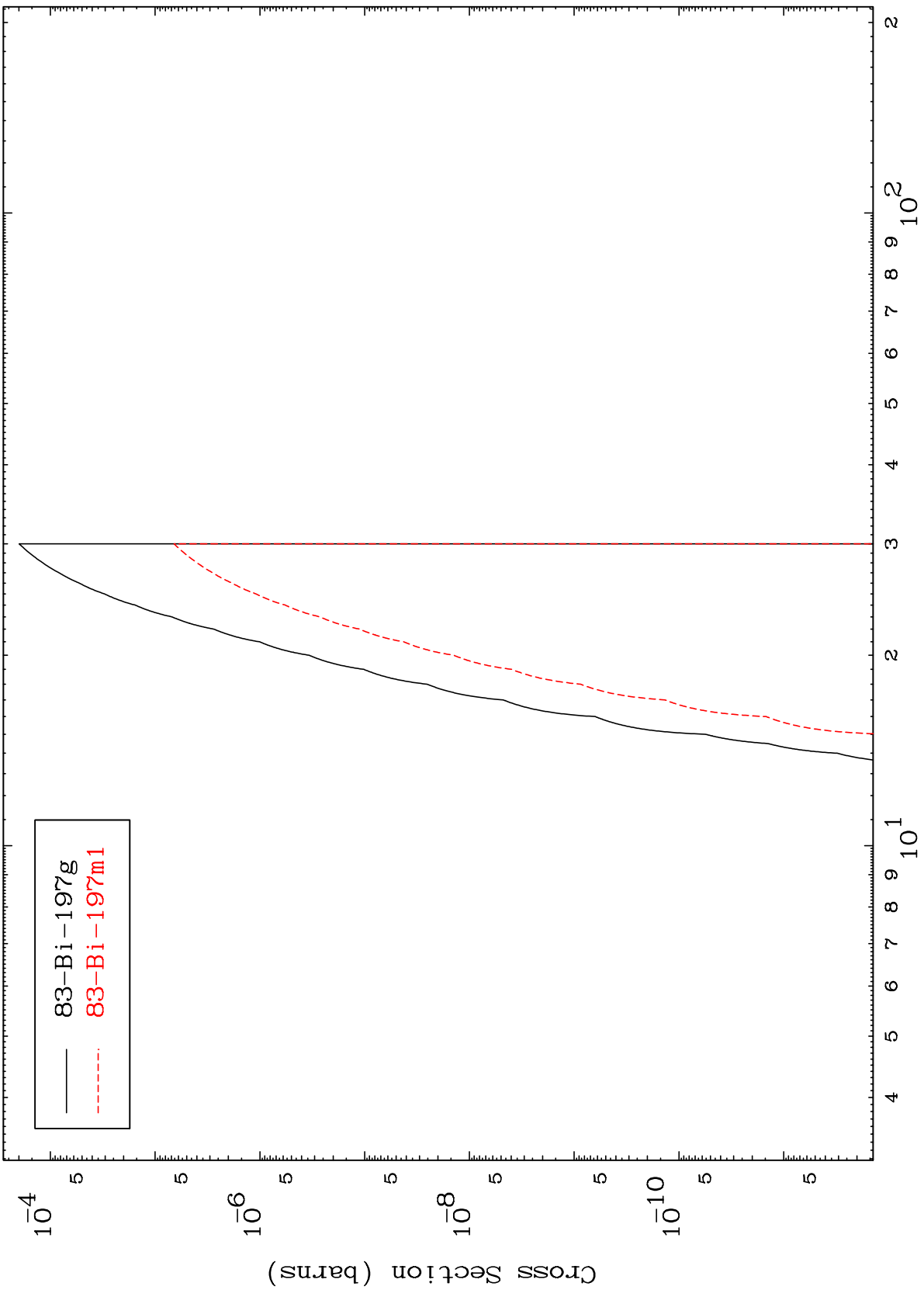
83-Bi-198g
83-Bi-198m3
83-Bi-198m4

MAT 8517

(n,p) t

85-At-200m

Radionuclide Production Cross Section



MAT 8517

(n,d) α

85-At-200m

Radionuclide Production Cross Section

