

Program EVALPLOT
(Version 2015-2)

by

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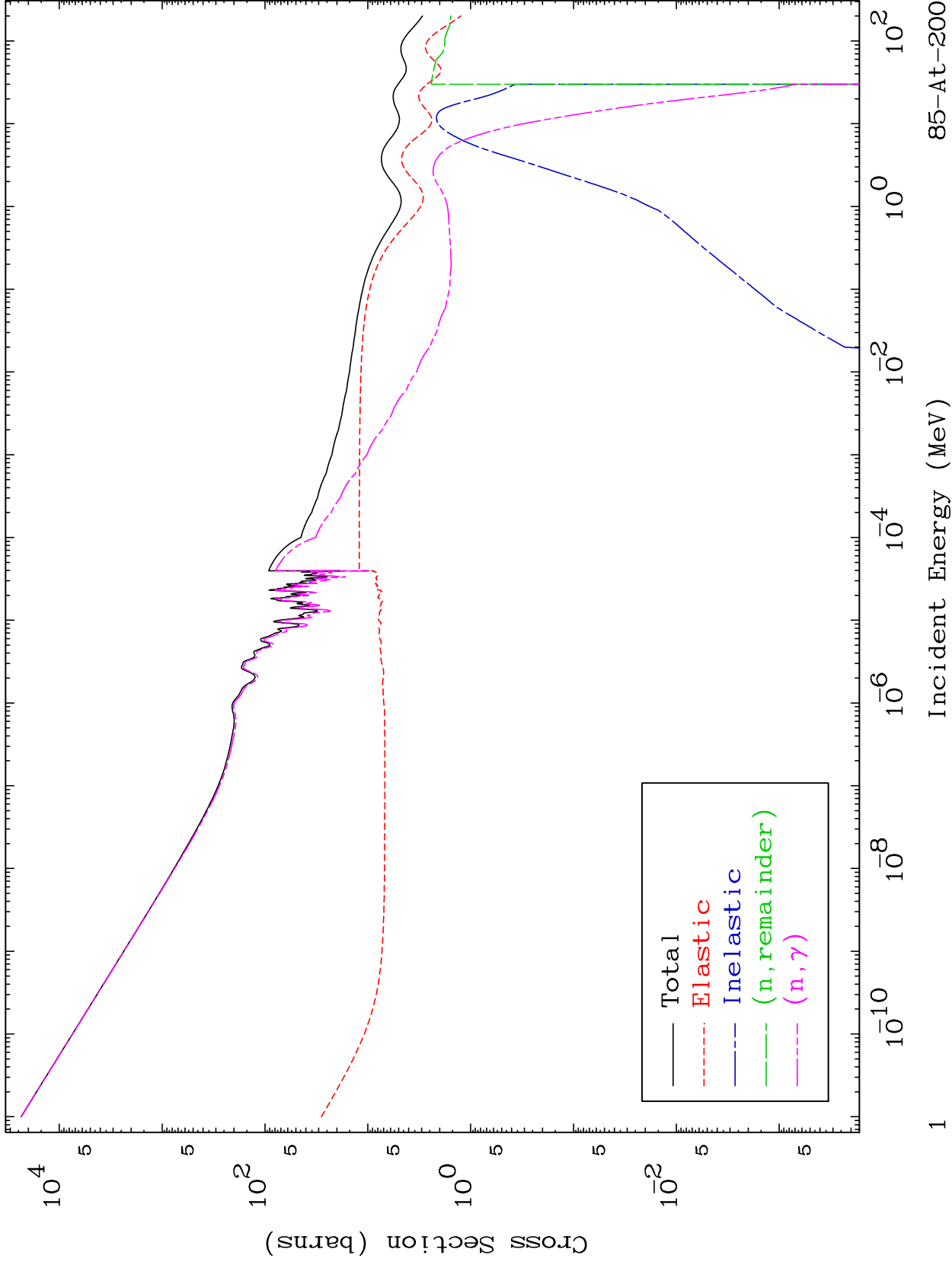
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 8518

Major
293 Kelvin Cross Sections

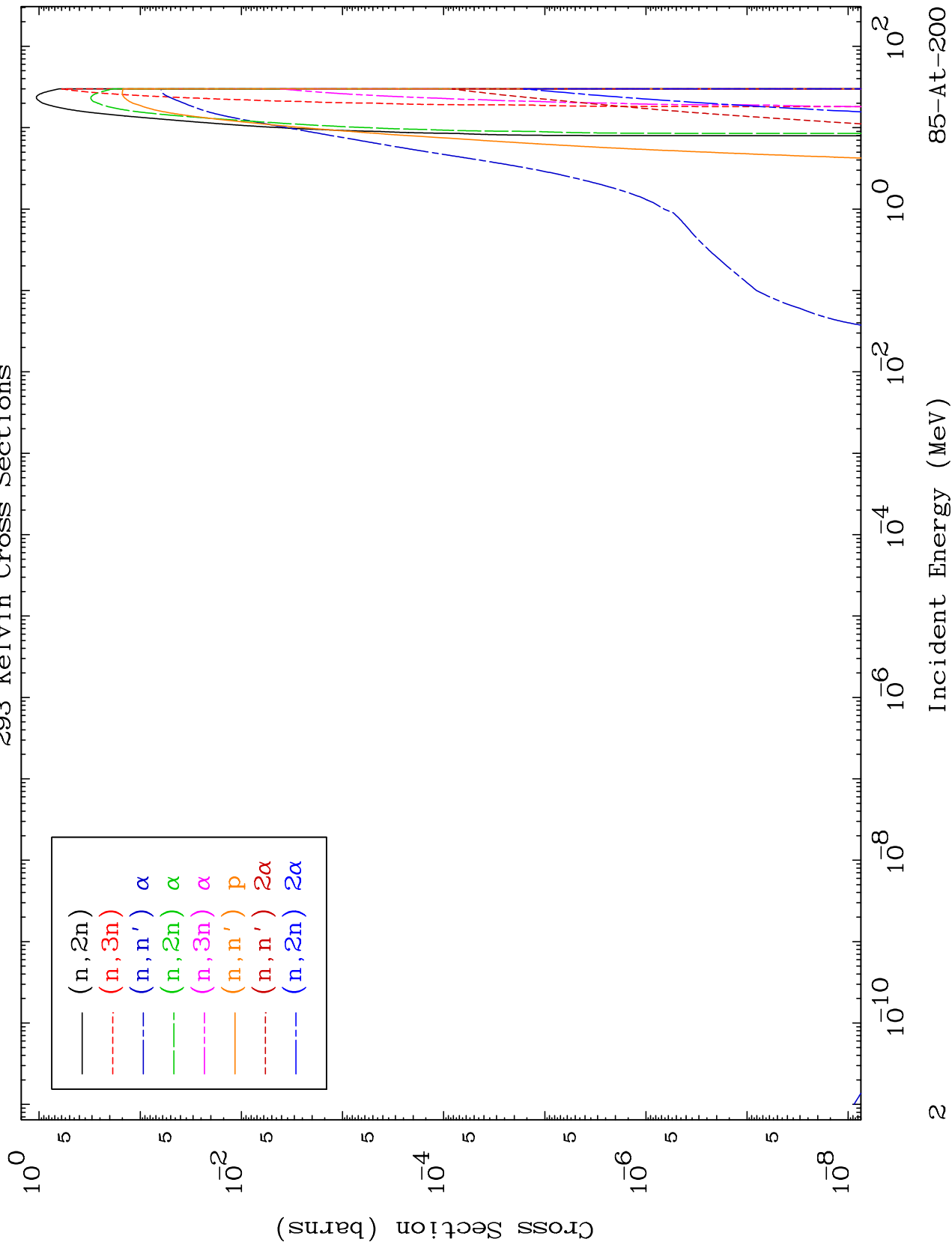
85-At-200



MAT 8518

Neutron Production
293 Kelvin Cross Sections

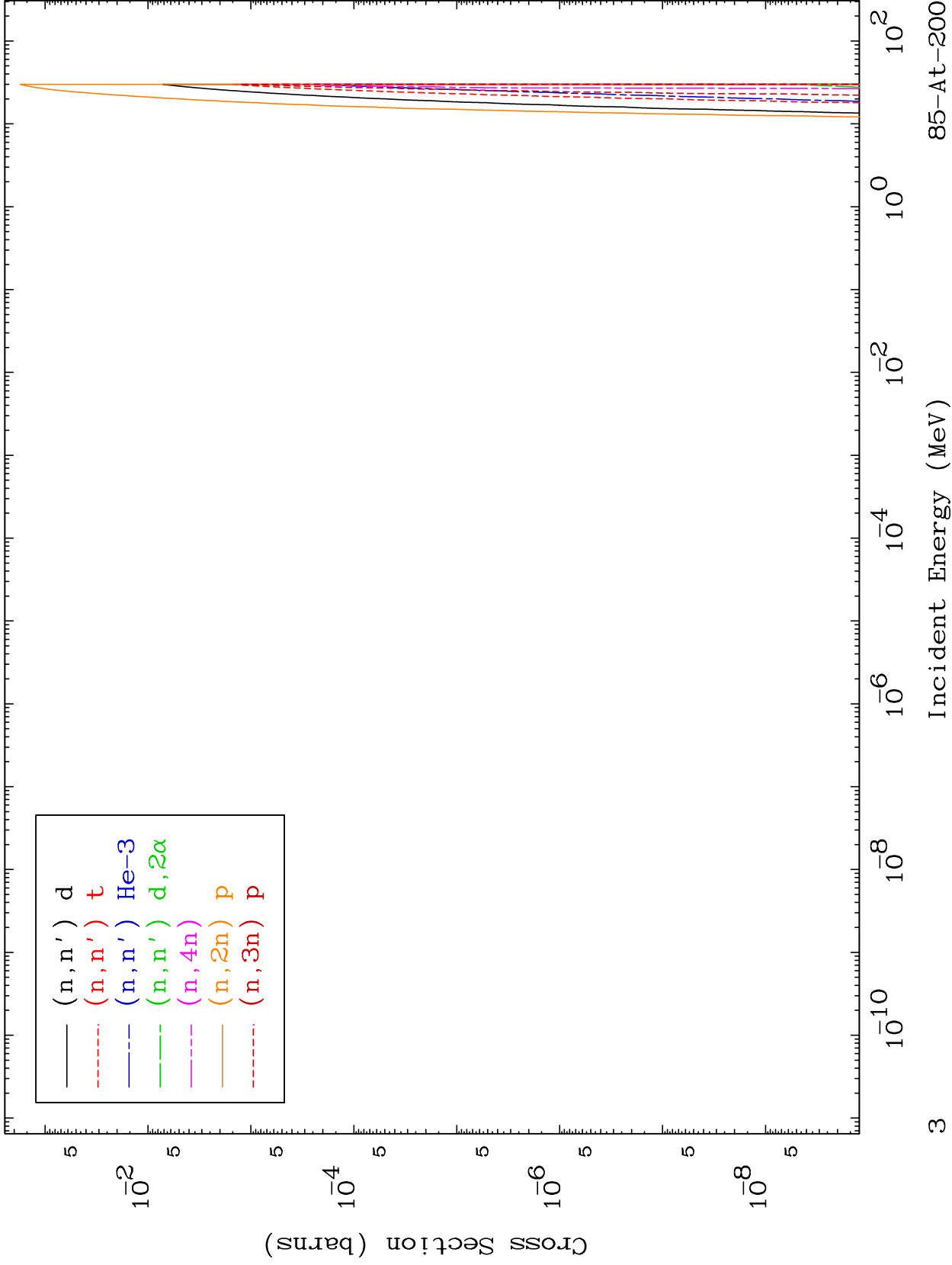
85-At-200



MAT 8518

Neutron Production
293 Kelvin Cross Sections

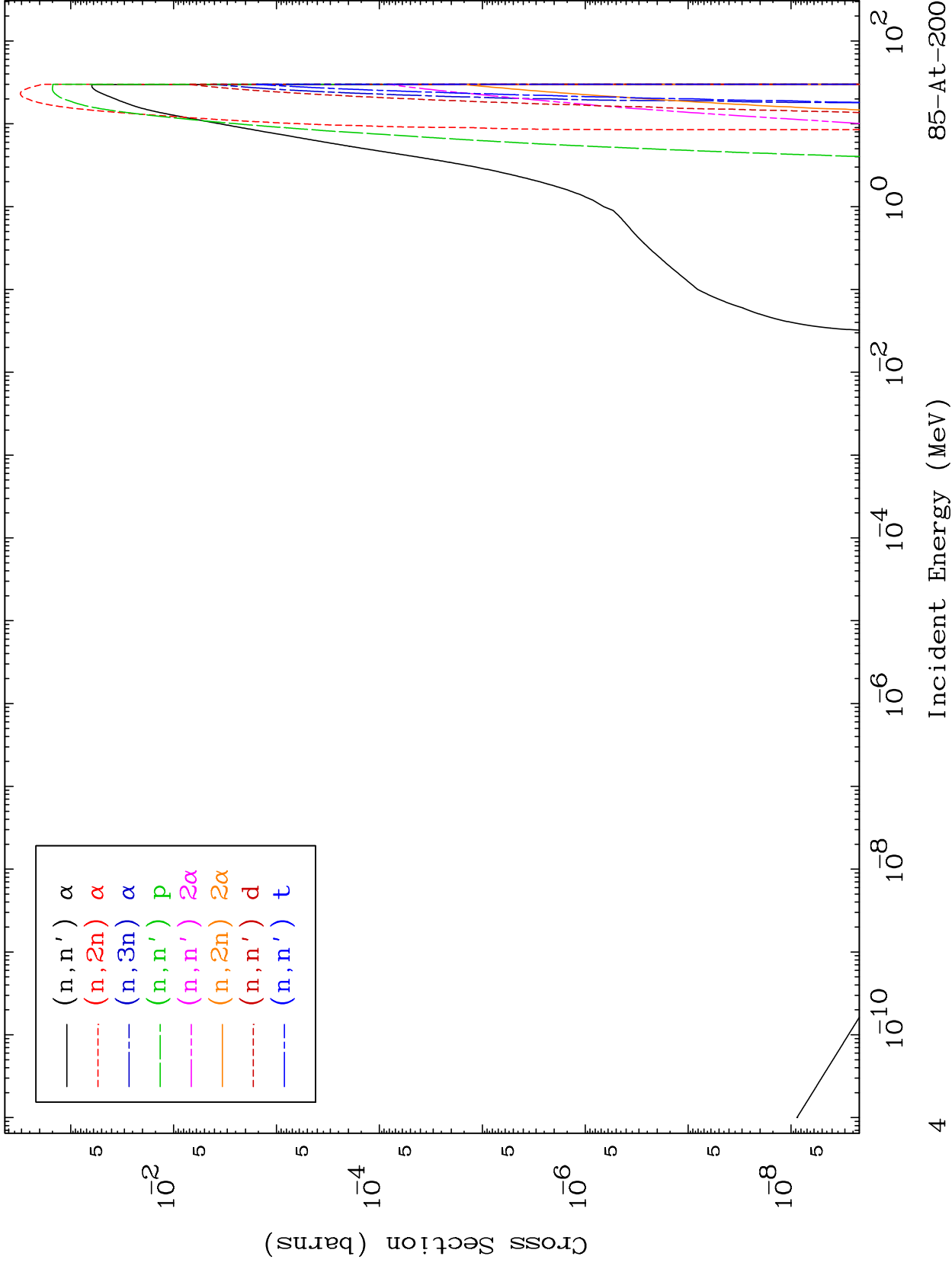
85-At-200



MAT 8518

Charged Particle
293 Kelvin Cross Sections

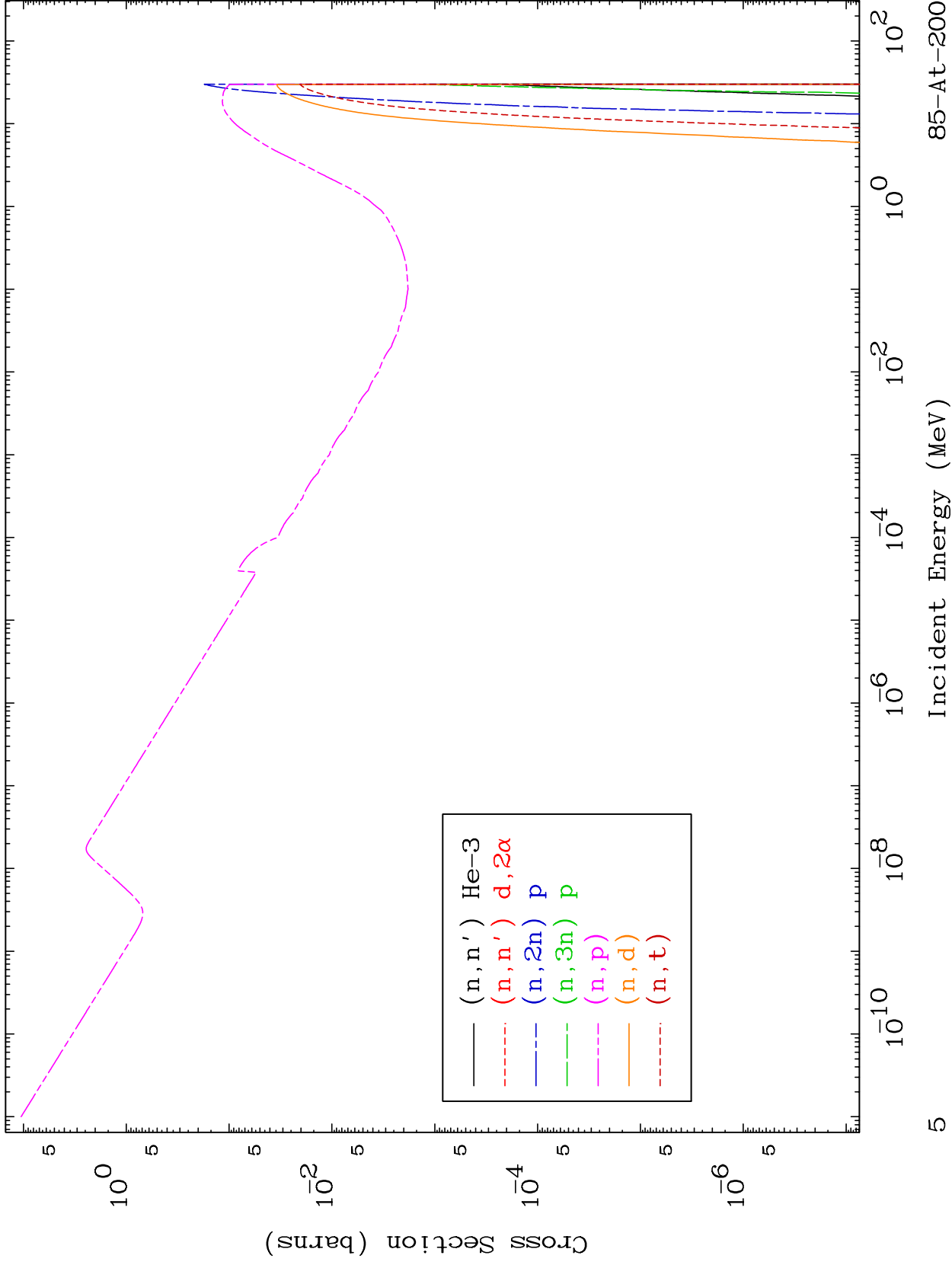
85-At-200



MAT 8518

Charged Particle
293 Kelvin Cross Sections

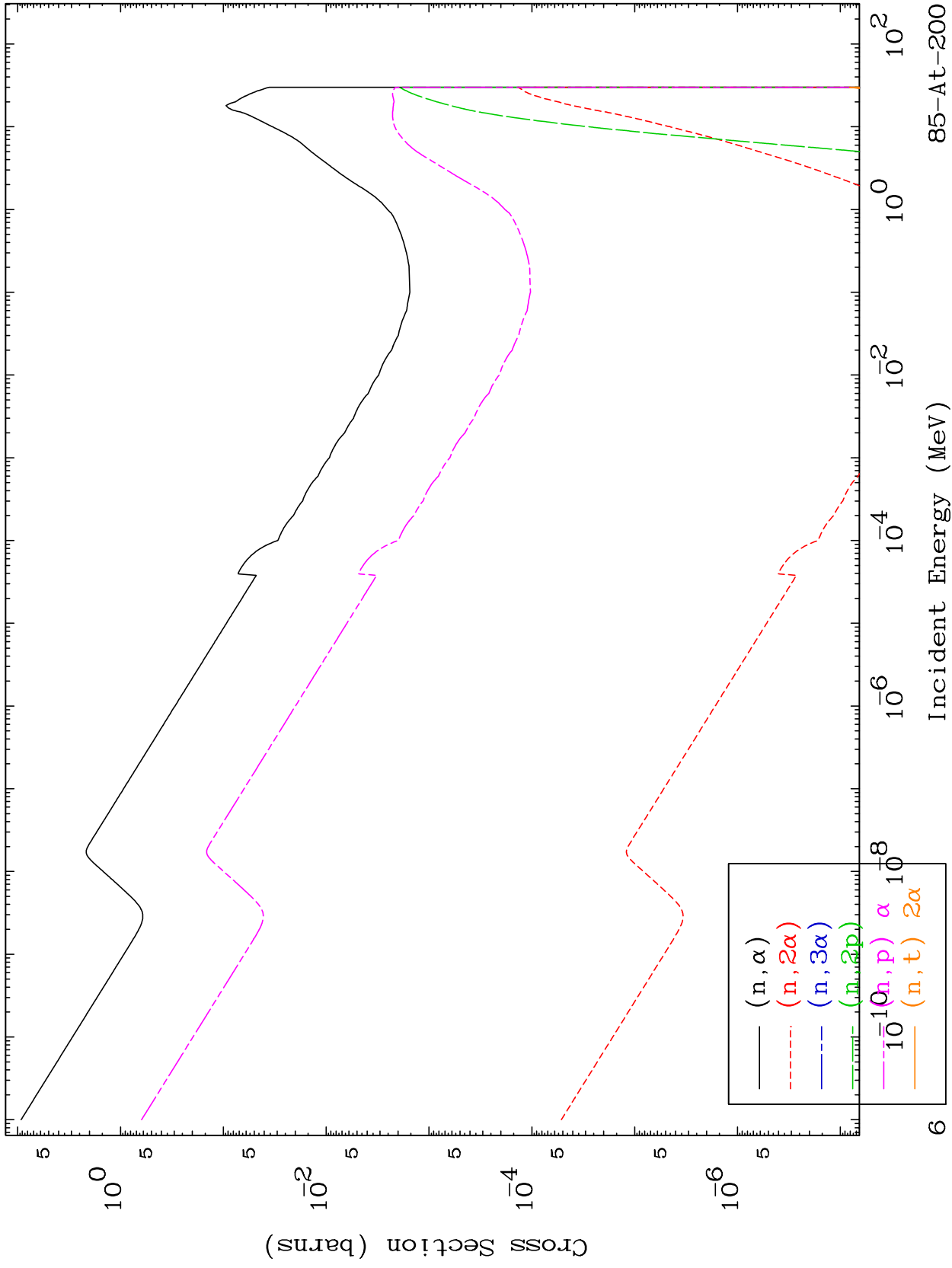
85-At-200



MAT 8518

Charged Particle
293 Kelvin Cross Sections

85-At-200



Incident Energy (MeV)

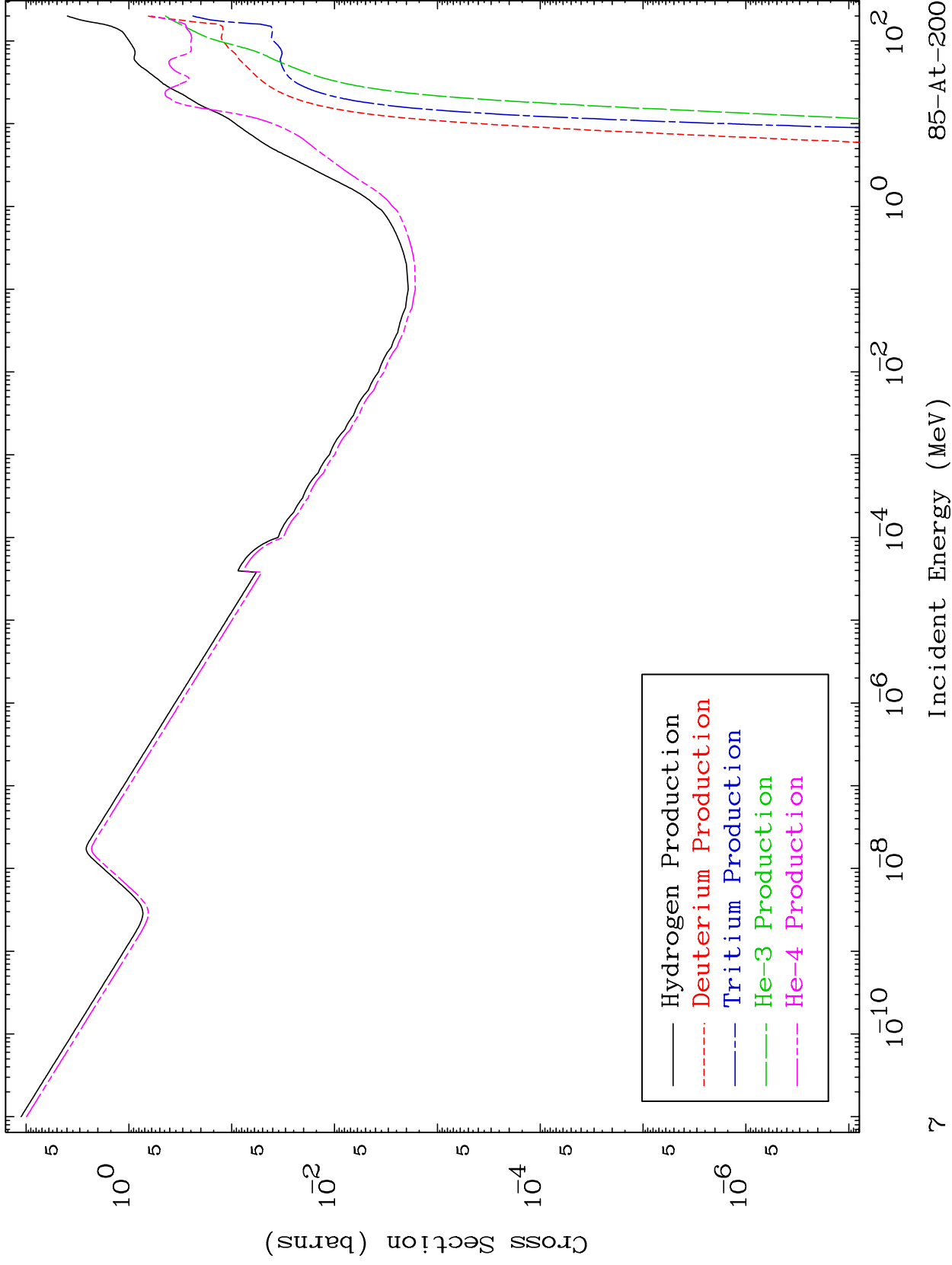
85-At-200

6

MAT 8518

Particle Production
293 Kelvin Cross Sections

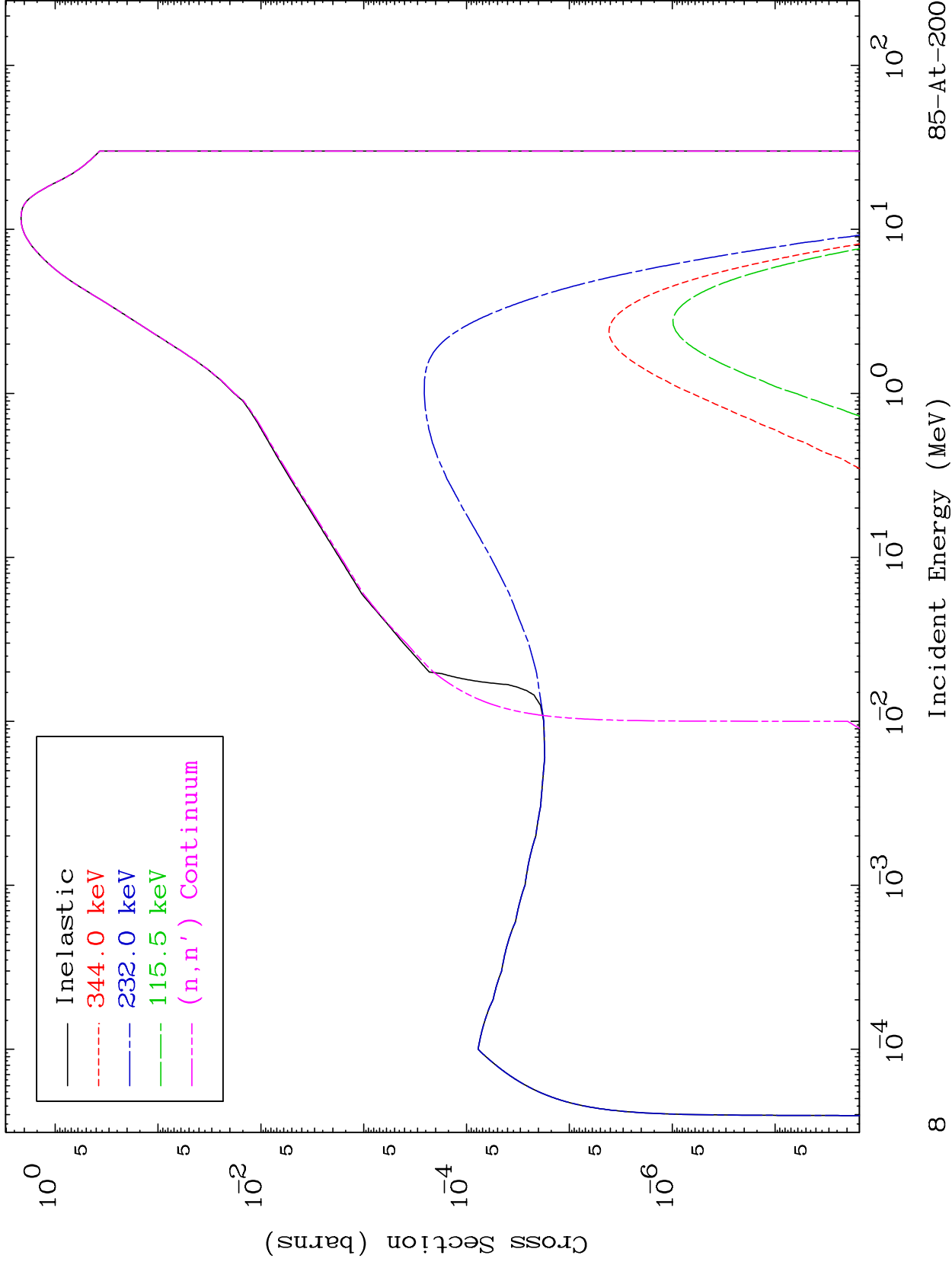
85-At-200



MAT 8518

(n,n') Level
293 Kelvin Cross Sections

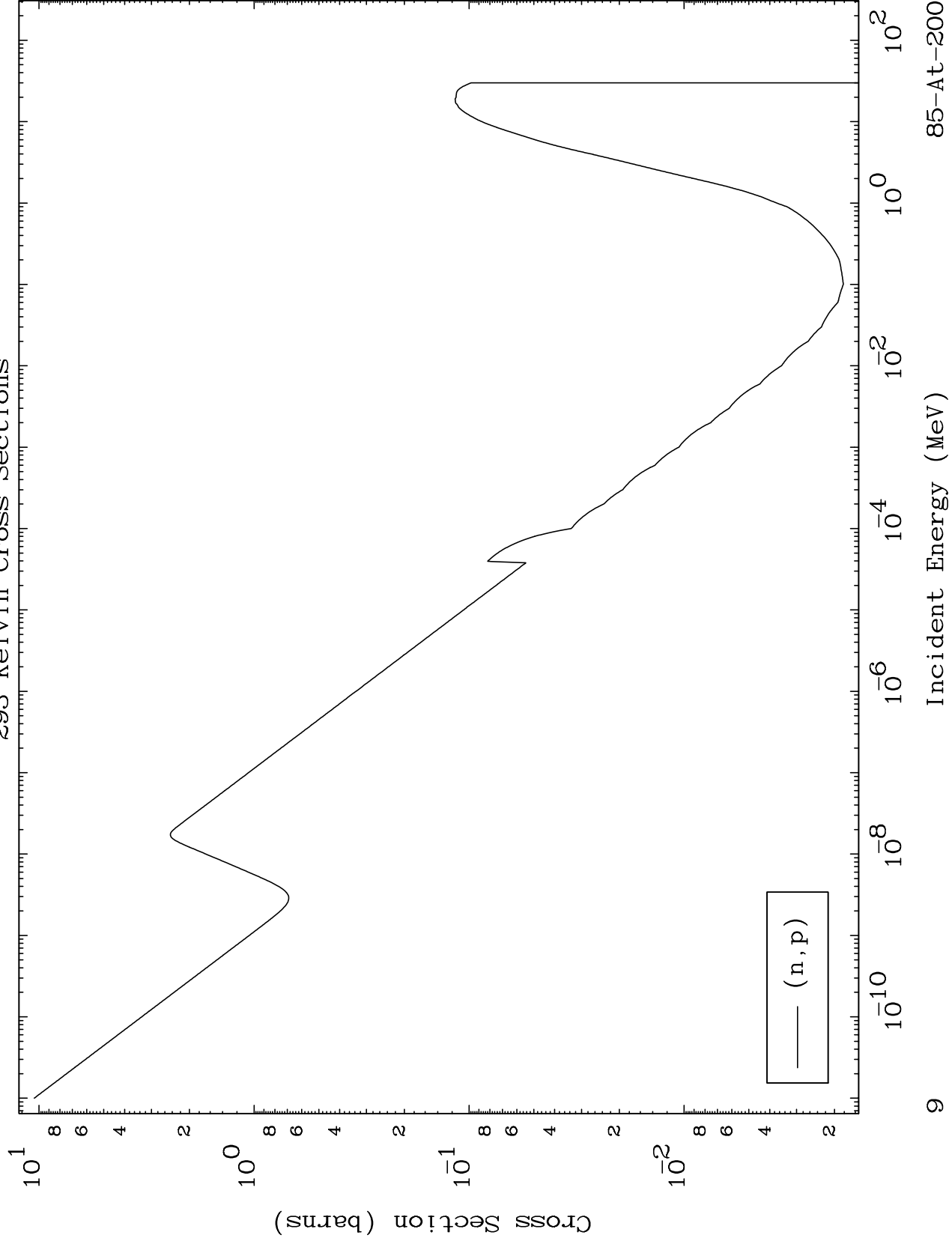
85-At-200



MAT 8518

(n,p) Levels
293 Kelvin Cross Sections

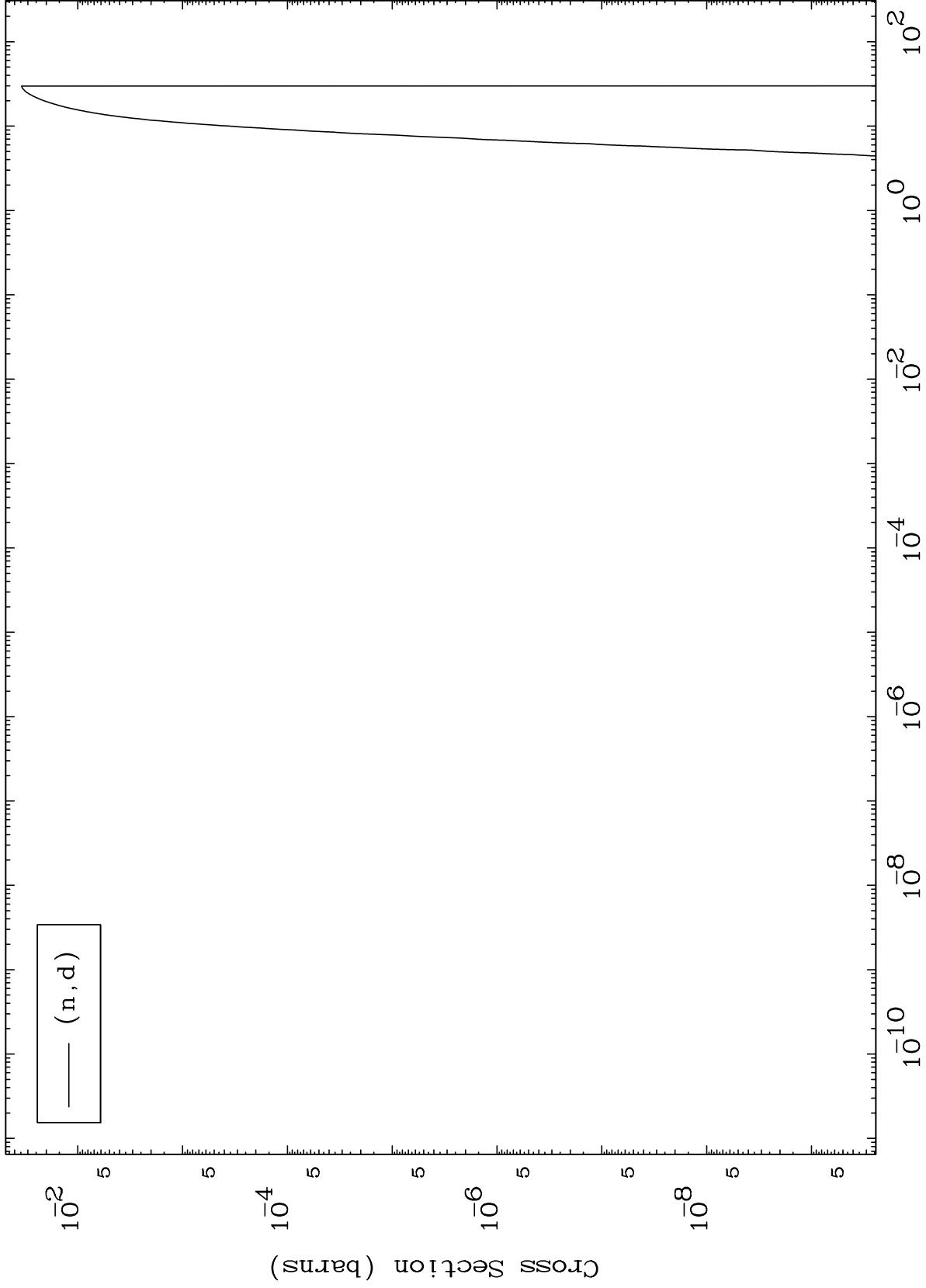
85-At-200



MAT 8518

(n,d) Levels
293 Kelvin Cross Sections

85-At-200



10

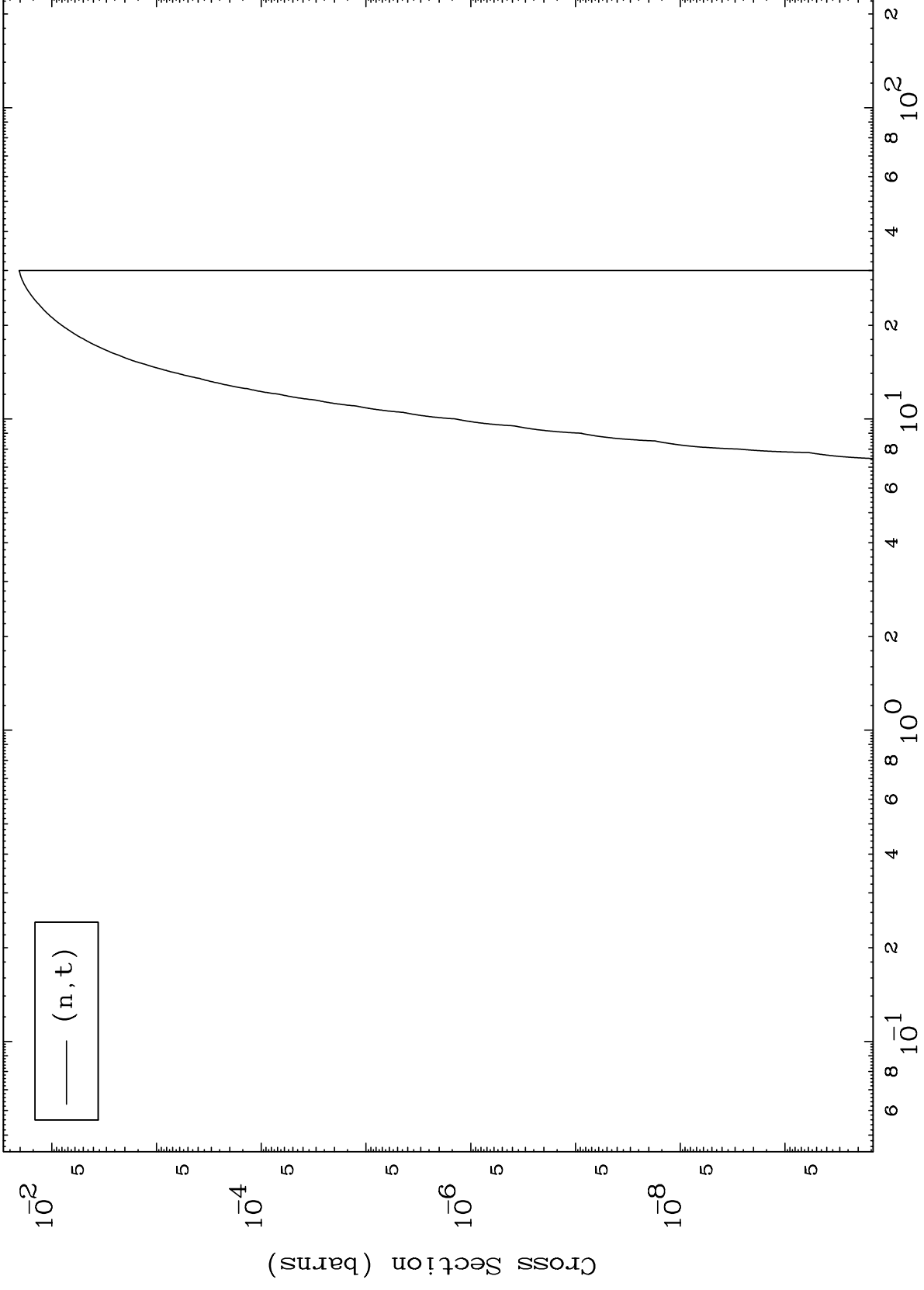
Incident Energy (MeV)

85-At-200

MAT 8518

(n,t) Levels
293 Kelvin Cross Sections

85-At-200

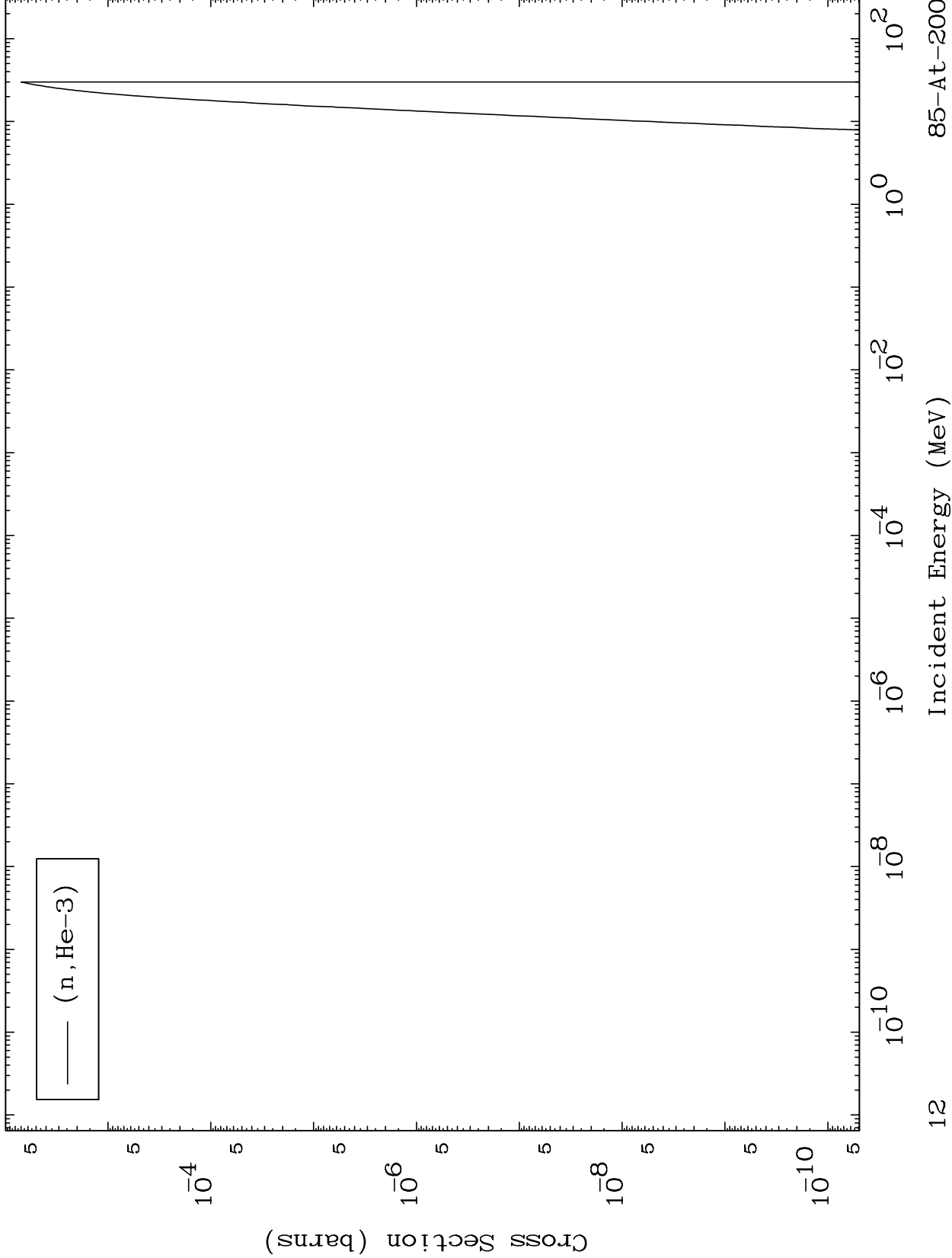


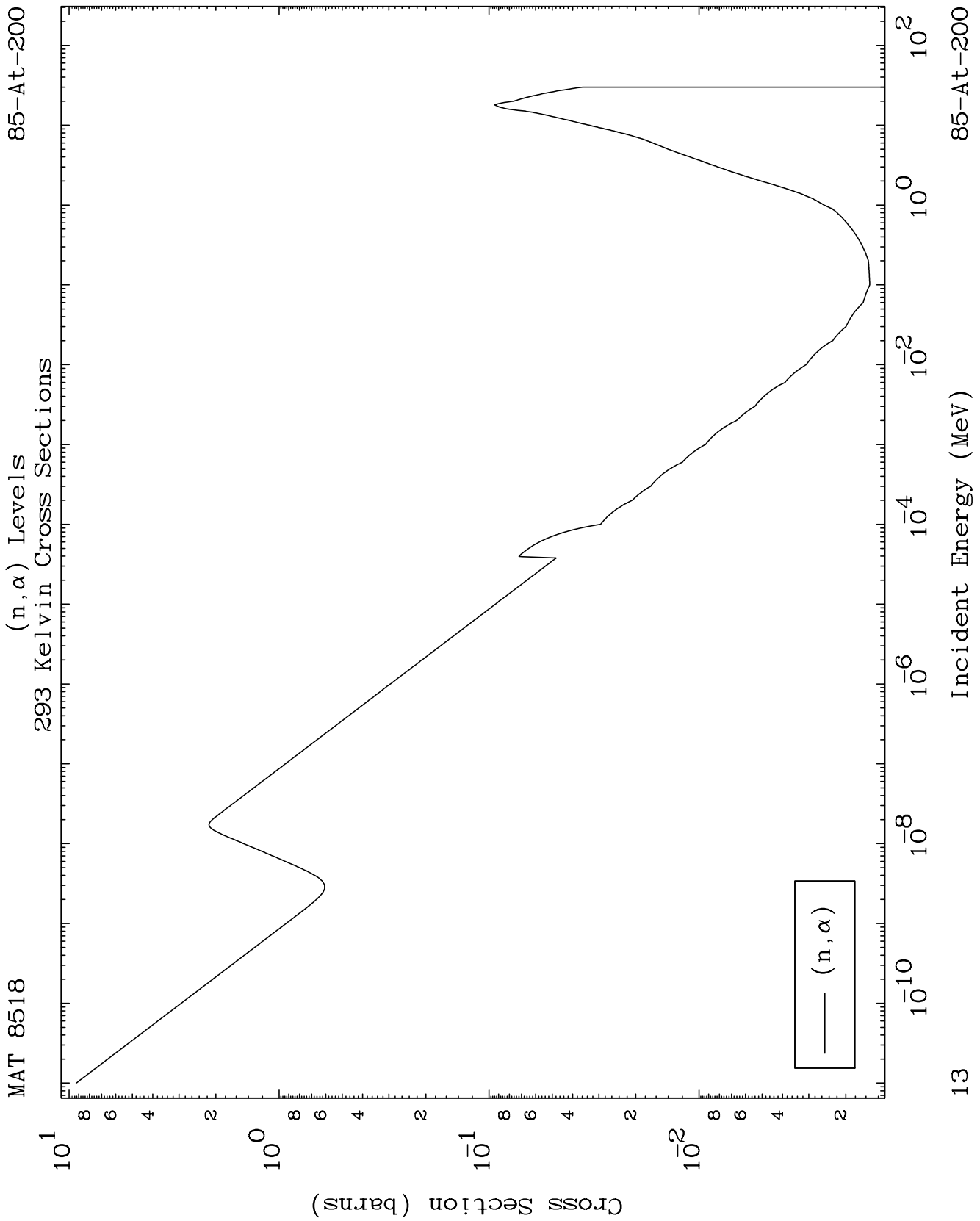
(n,t)

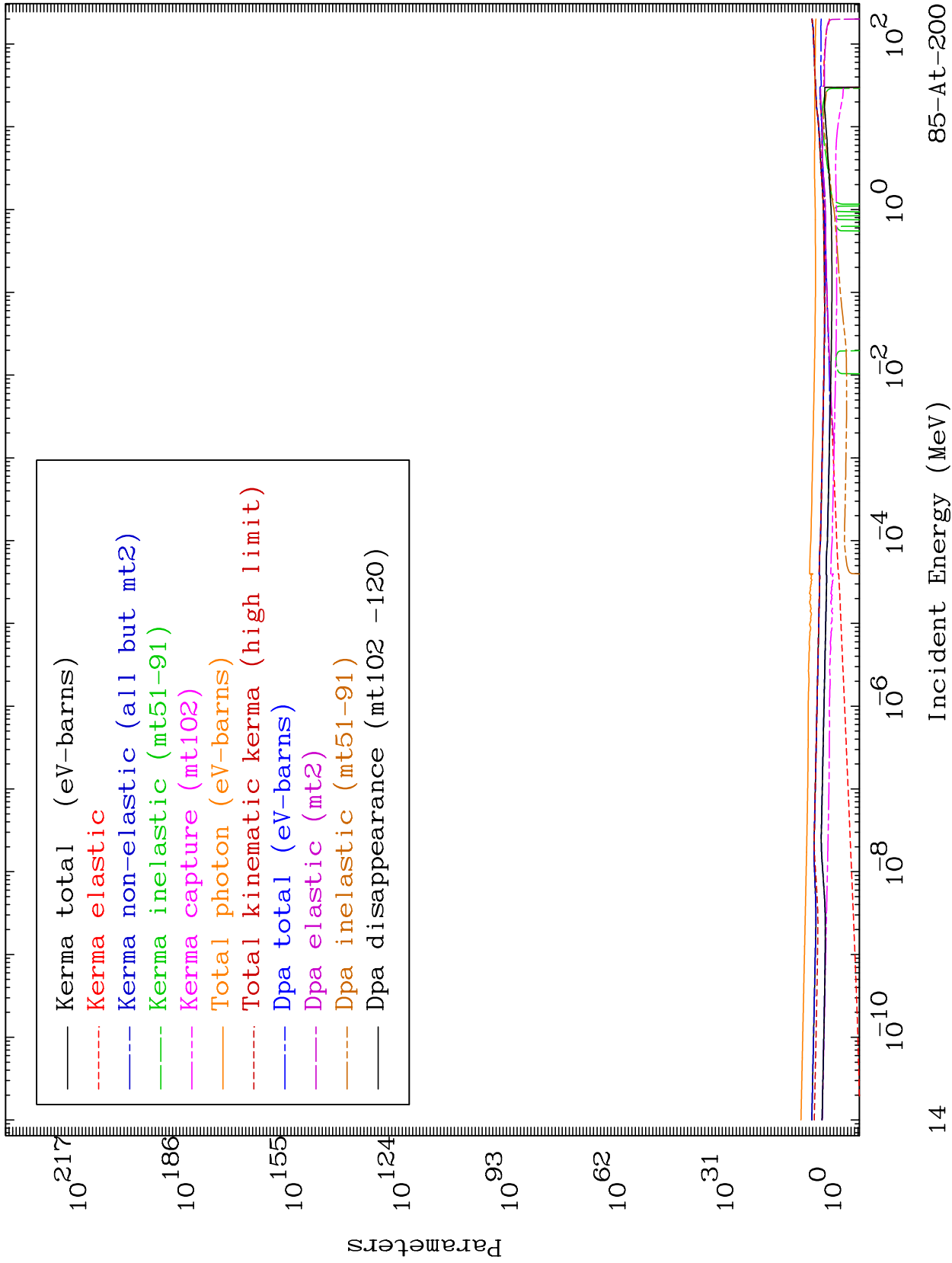
MAT 8518

(n,He3) Levels
293 Kelvin Cross Sections

85-At-200



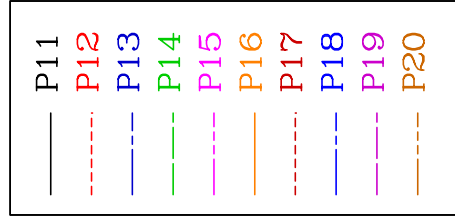




MAT 8518

Elastic Legendre Coefficients

85-At-200



$\times 10^{-4}$
2.0

1.5

1.0

0.5

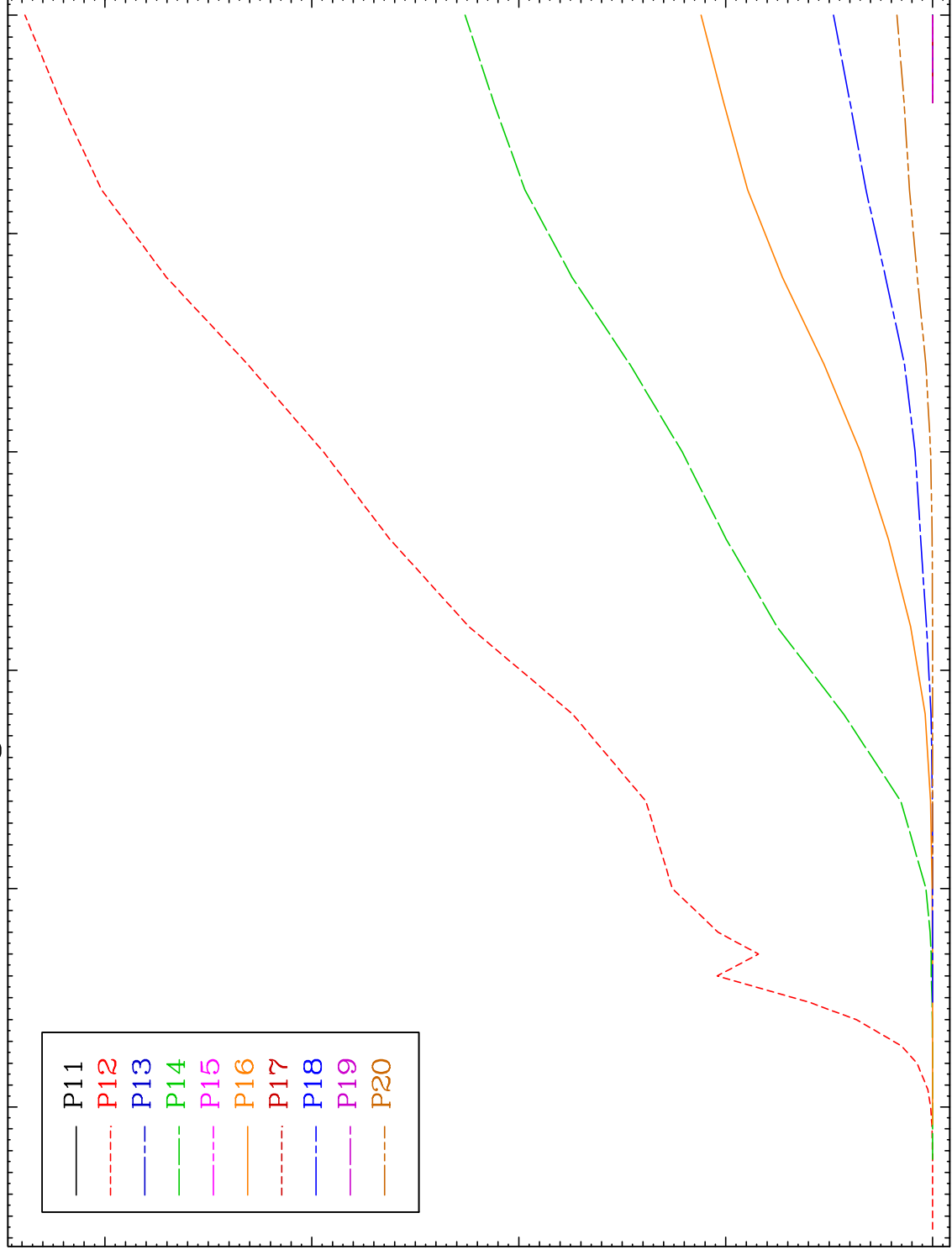
0.0

Legendre (CM)

16

Incident Energy (MeV)

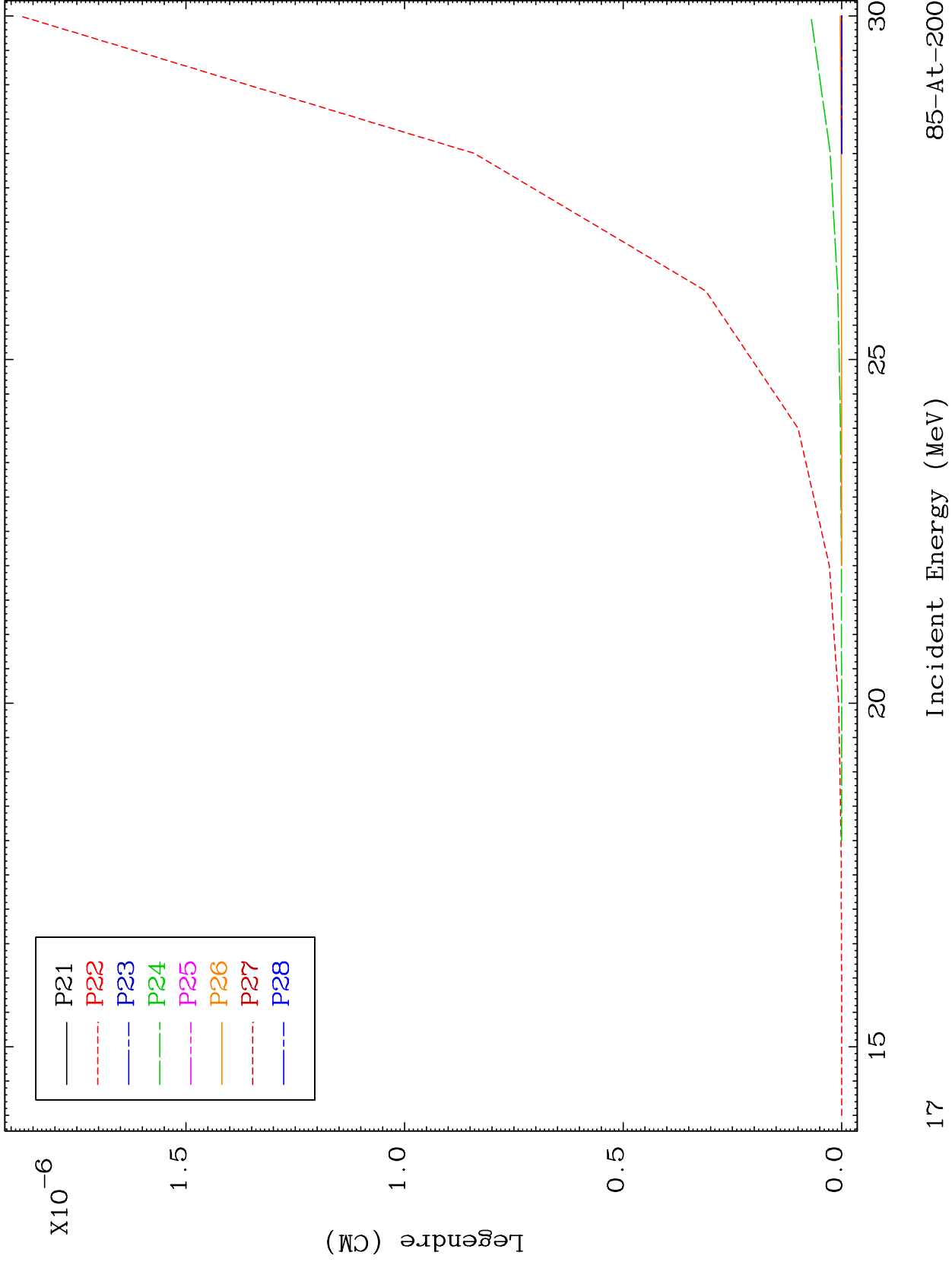
85-At-200



MAT 8518

Elastic
Legendre Coefficients

85-At-200



17

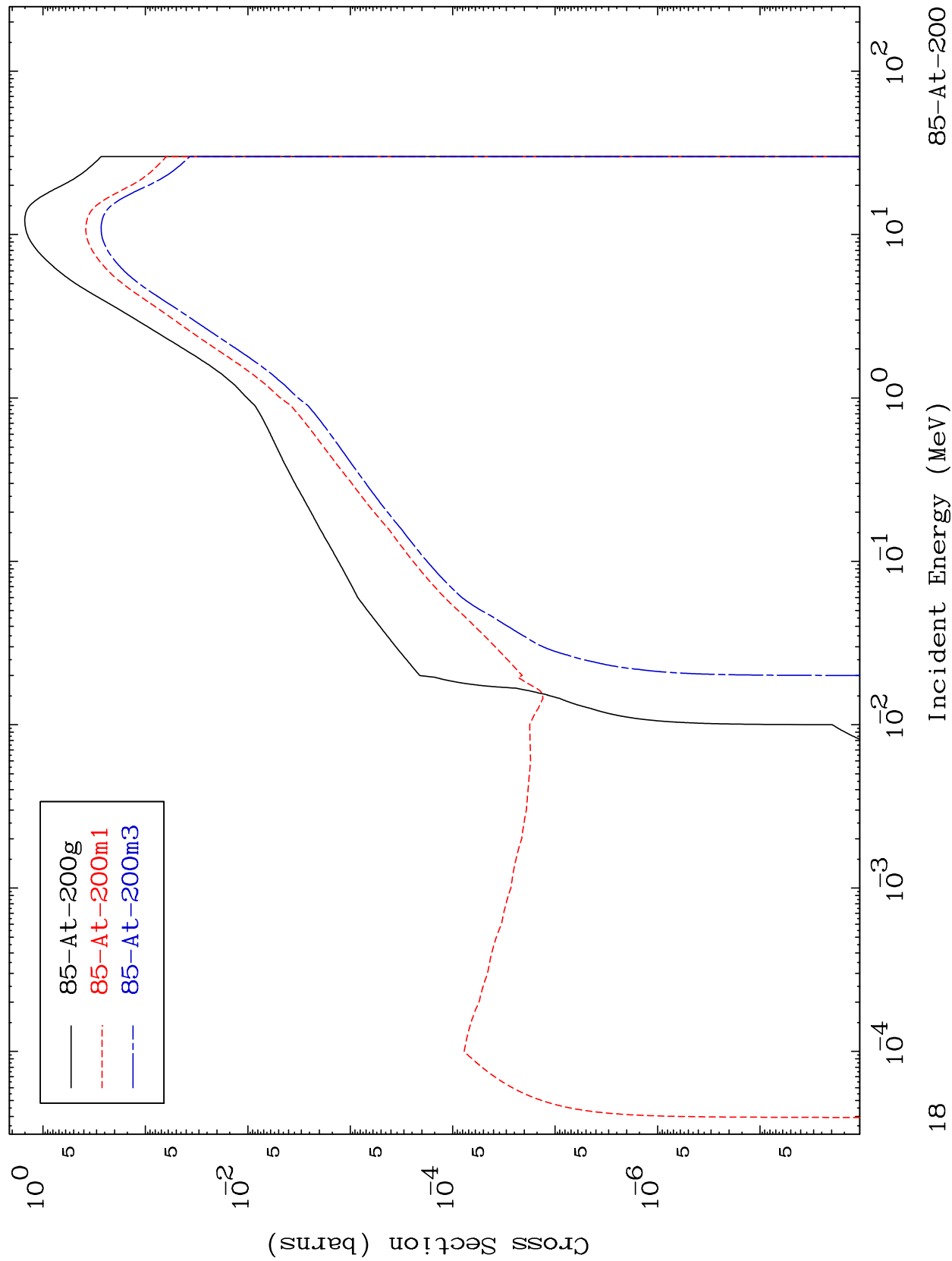
Incident Energy (MeV)

85-At-200

MAT 8518

85-At-200

Inelastic
Radionuclide Production Cross Section



18

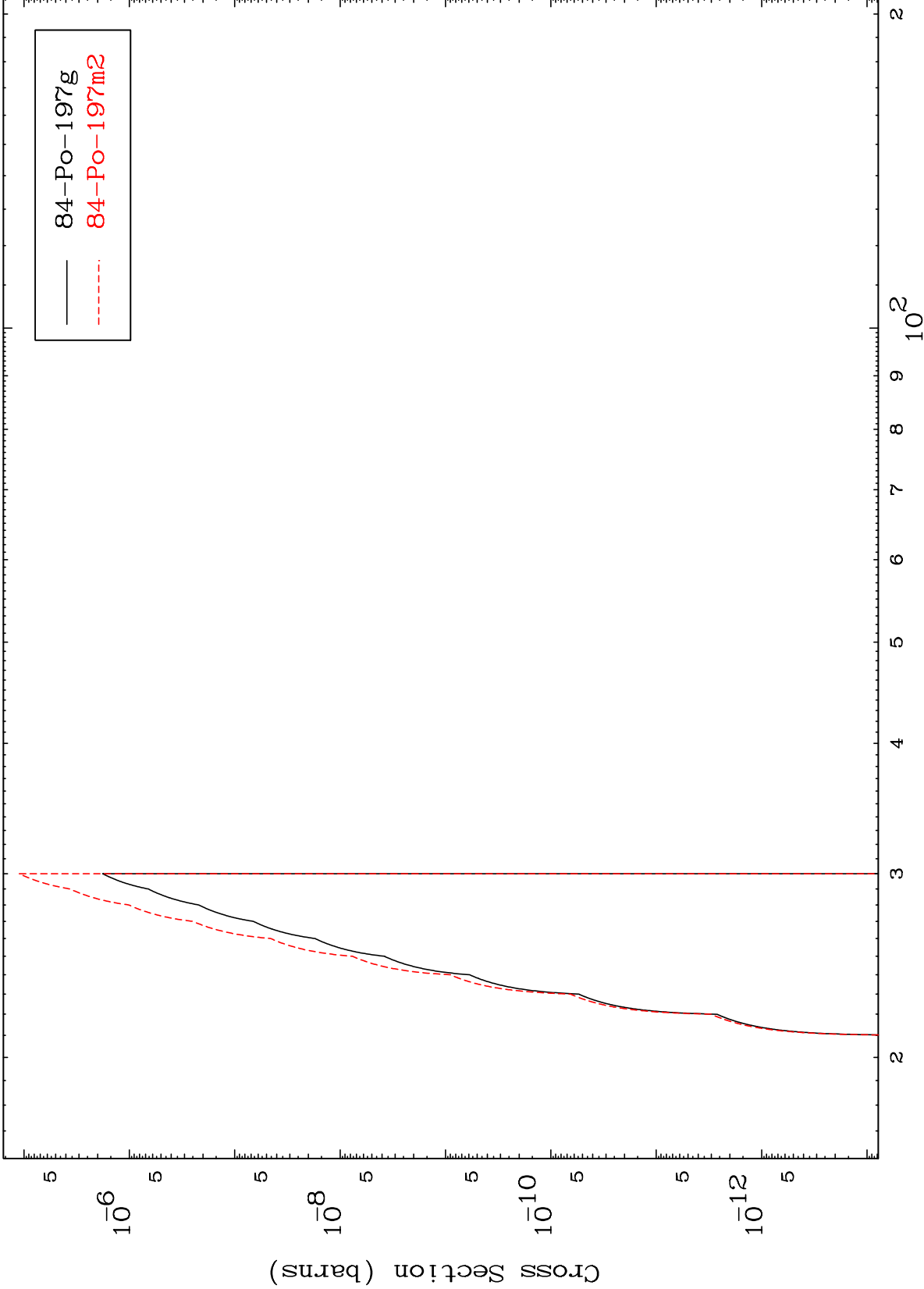
85-At-200

MAT 8518

(n,2n) d

85-At-200

Radionuclide Production Cross Section



19

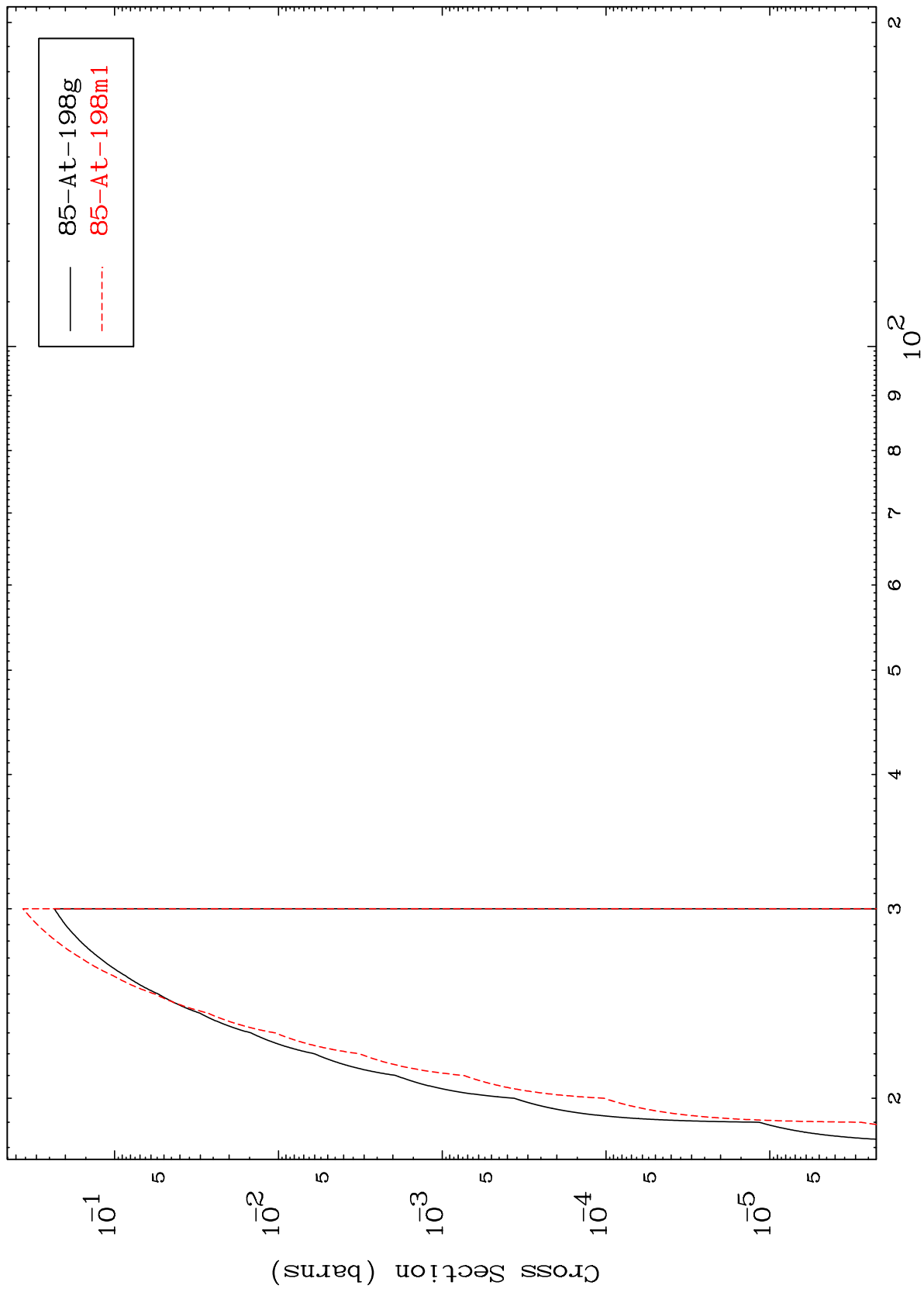
Incident Energy (MeV)

85-At-200

MAT 8518

85-At-200

(n,3n)
Radionuclide Production Cross Section



20

Incident Energy (MeV)

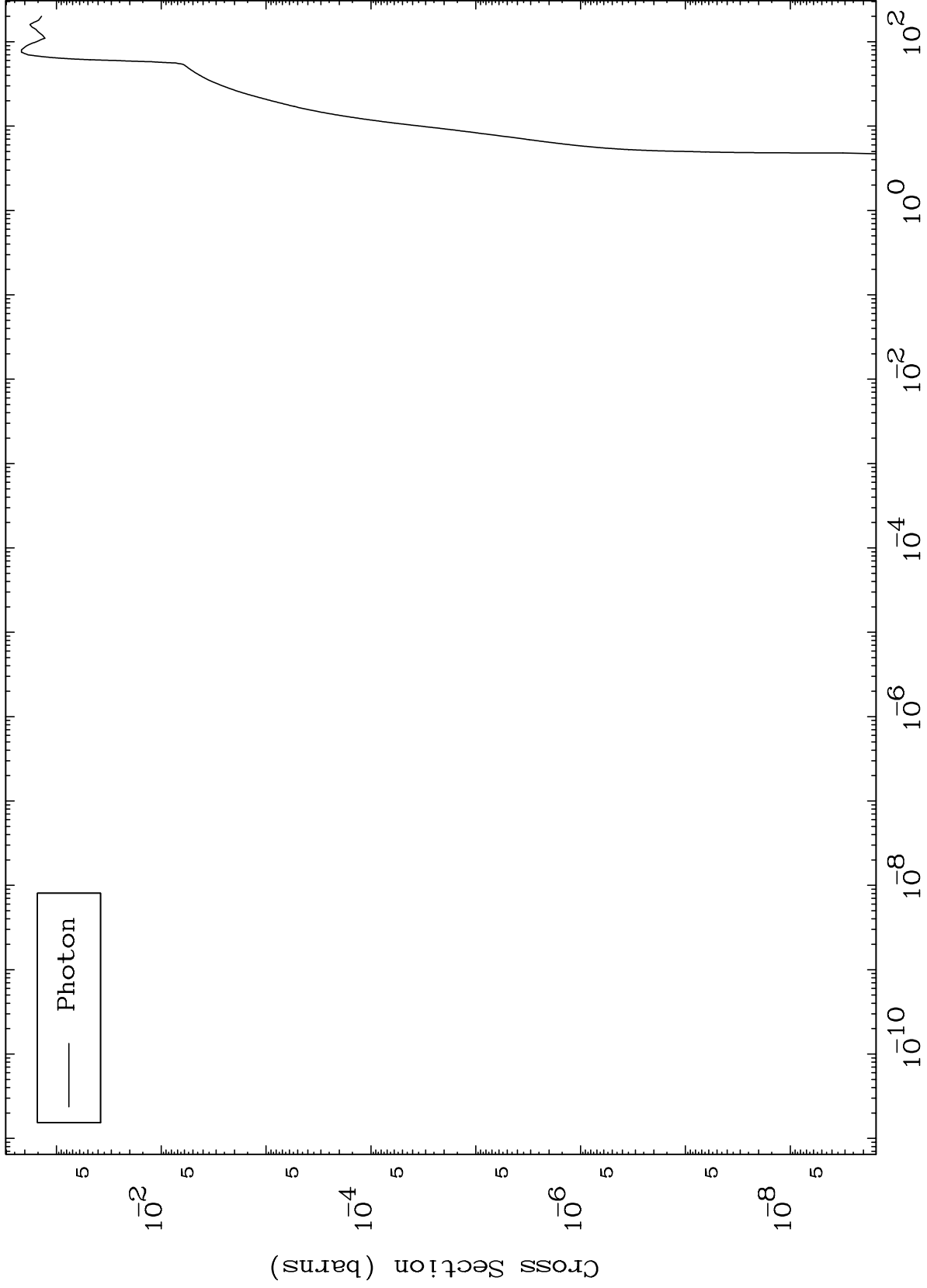
85-At-200

MAT 8518

Fission

85-At-200

Radionuclide Production Cross Section



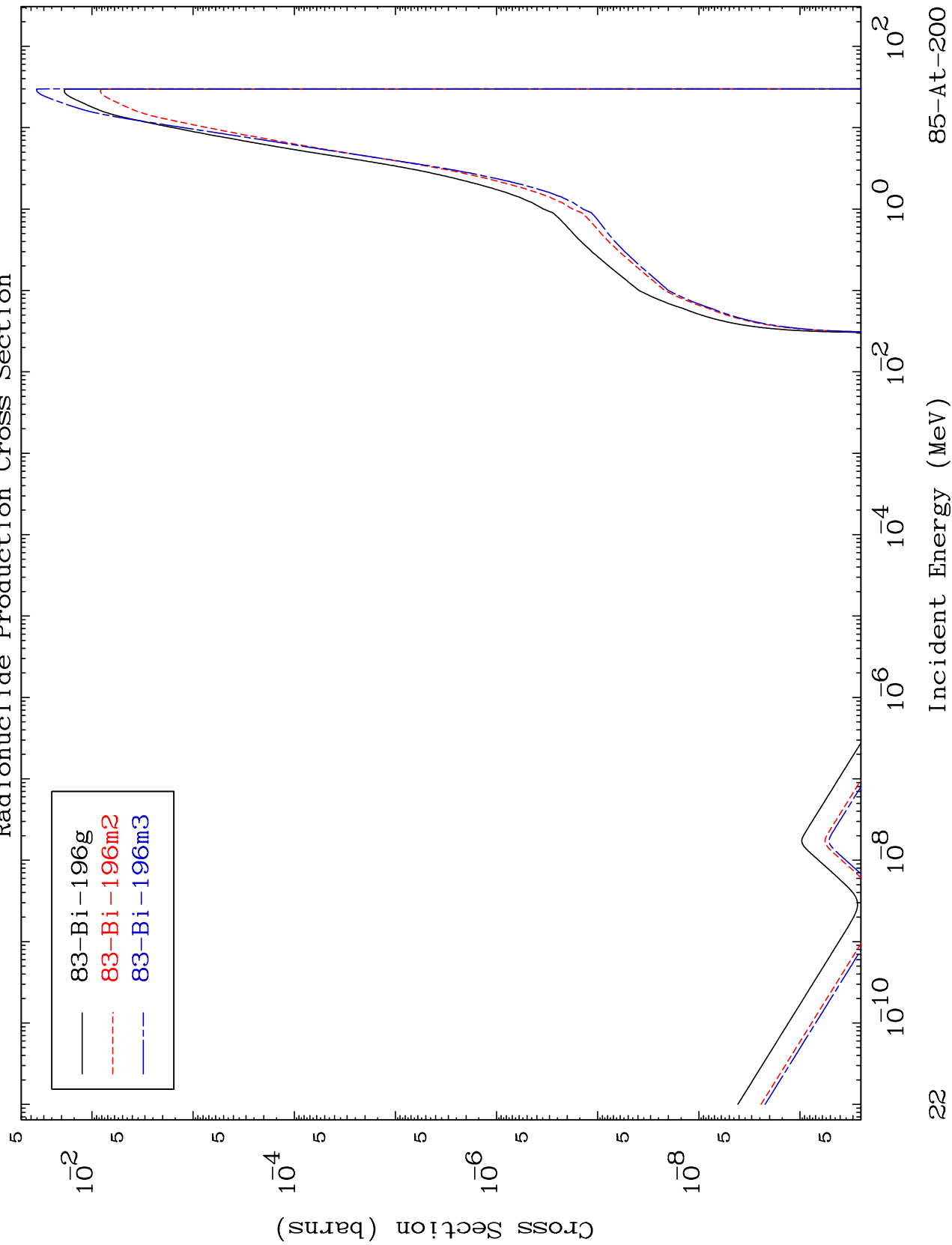
Photon

MAT 8518

$(n, n') \alpha$

85-At-200

Radionuclide Production Cross Section

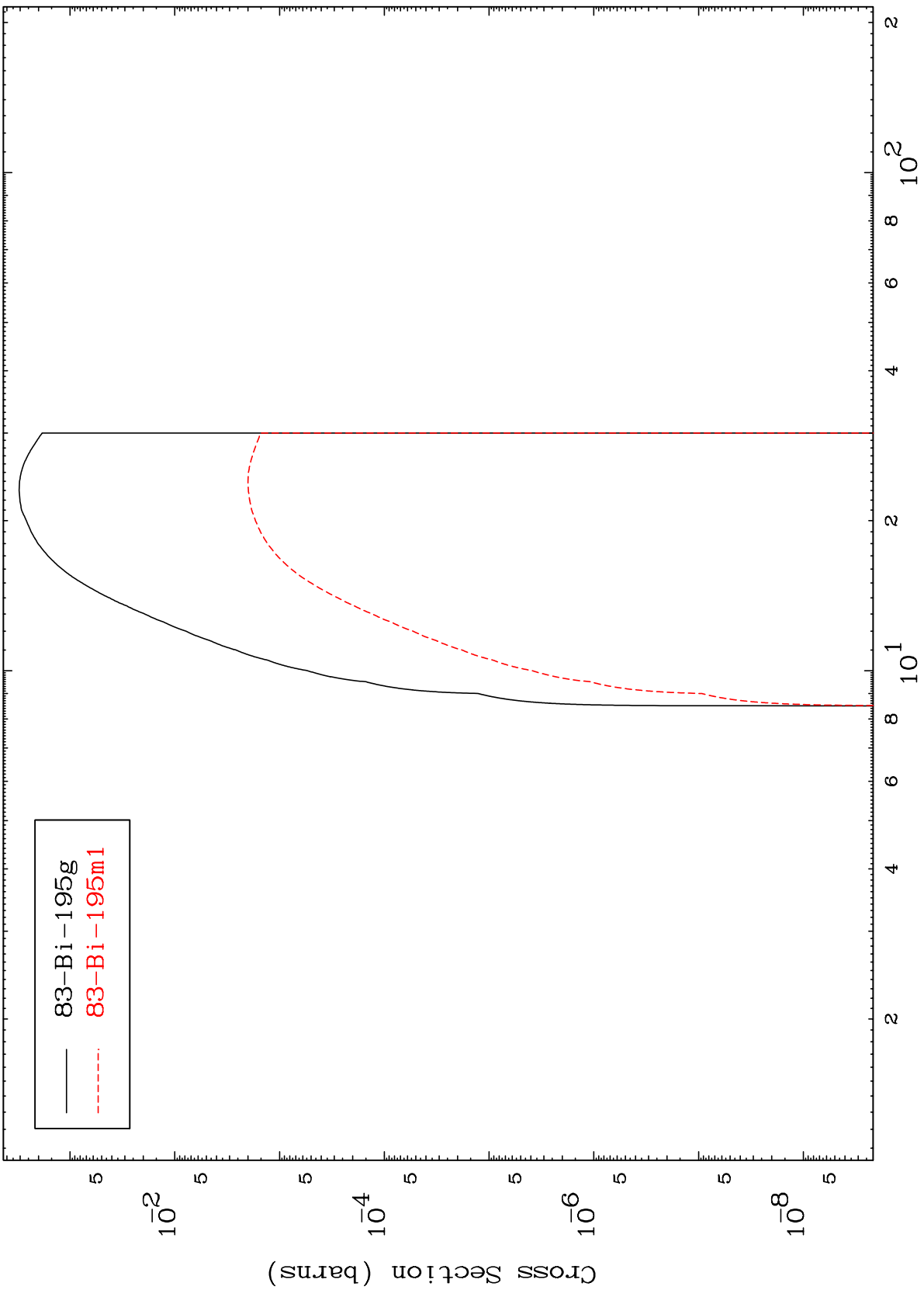


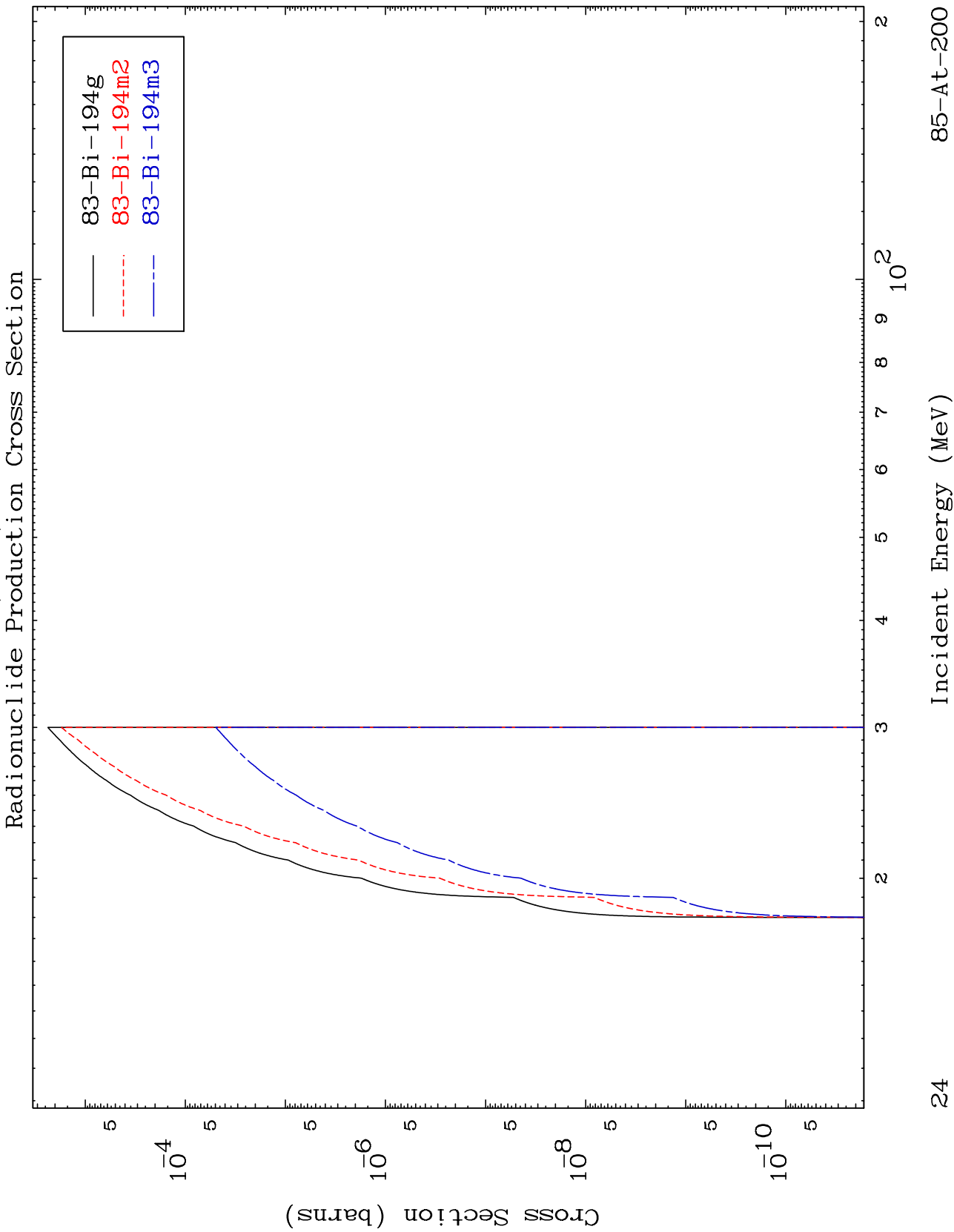
MAT 8518

(n,2n) α

85-At-200

Radionuclide Production Cross Section



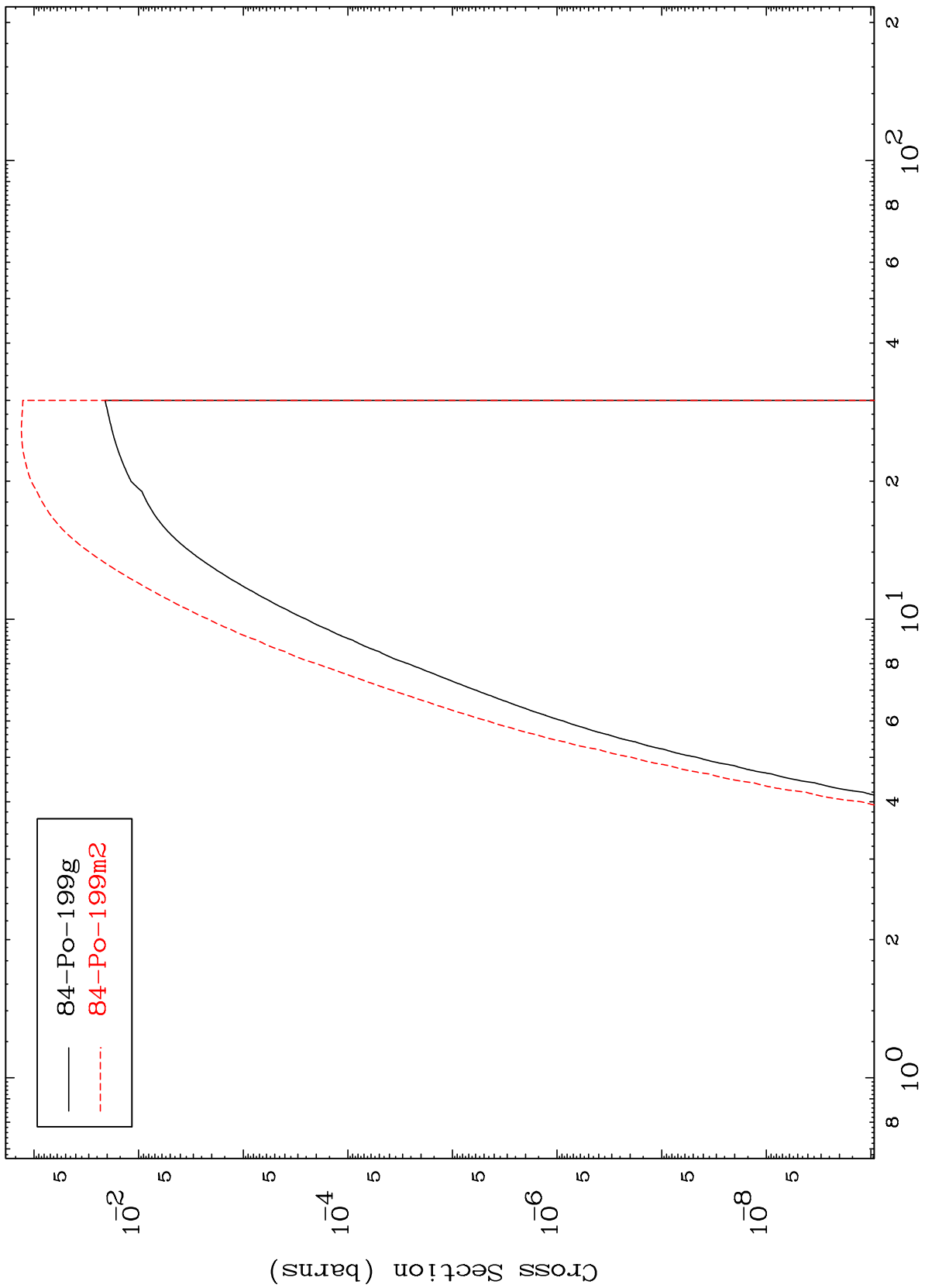


MAT 8518

(n,n') p

85-At-200

Radionuclide Production Cross Section



25

Incident Energy (MeV)

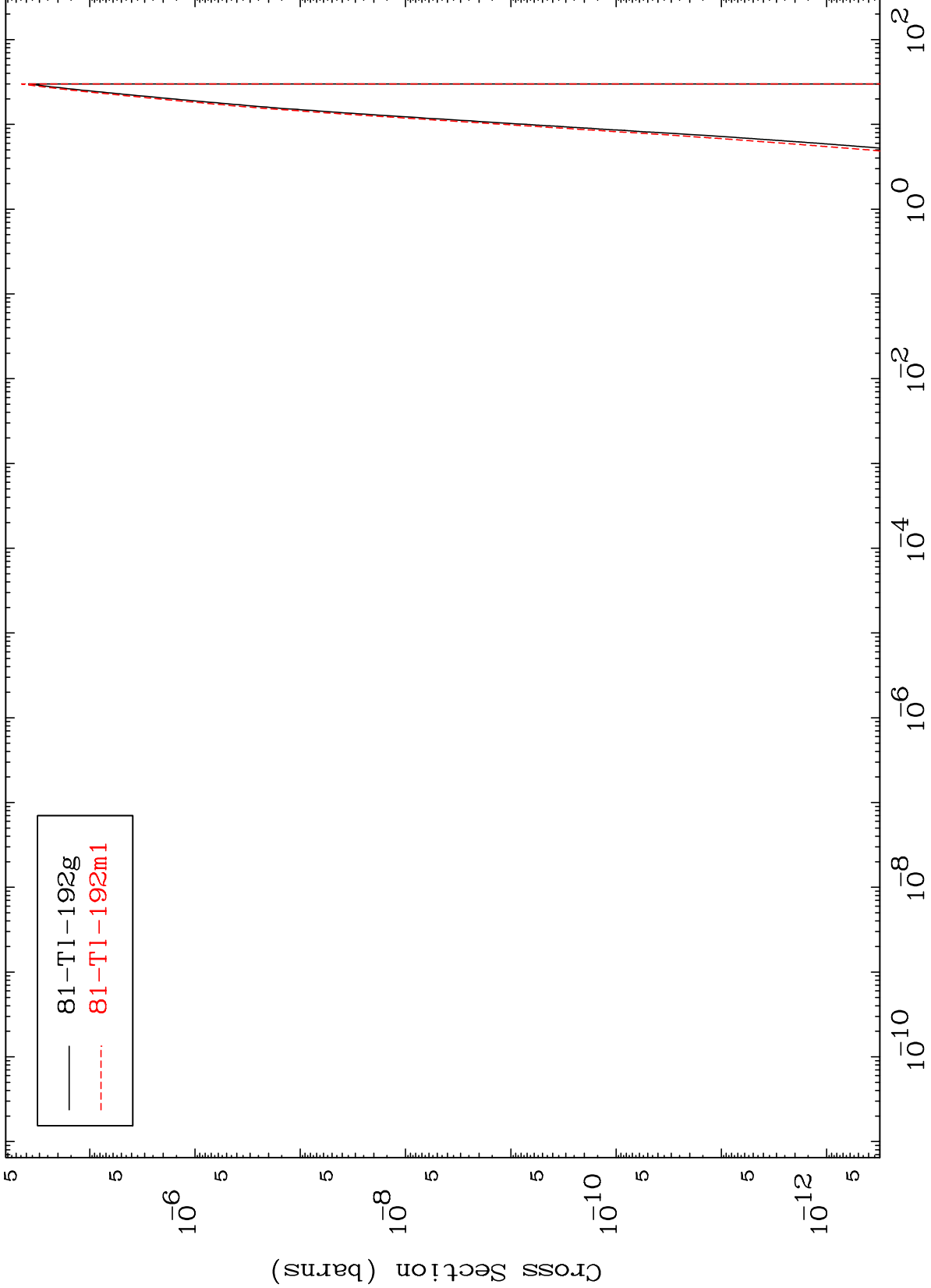
85-At-200

MAT 8518

(n,n') 2α

85-At-200

Radionuclide Production Cross Section



26

Incident Energy (MeV)

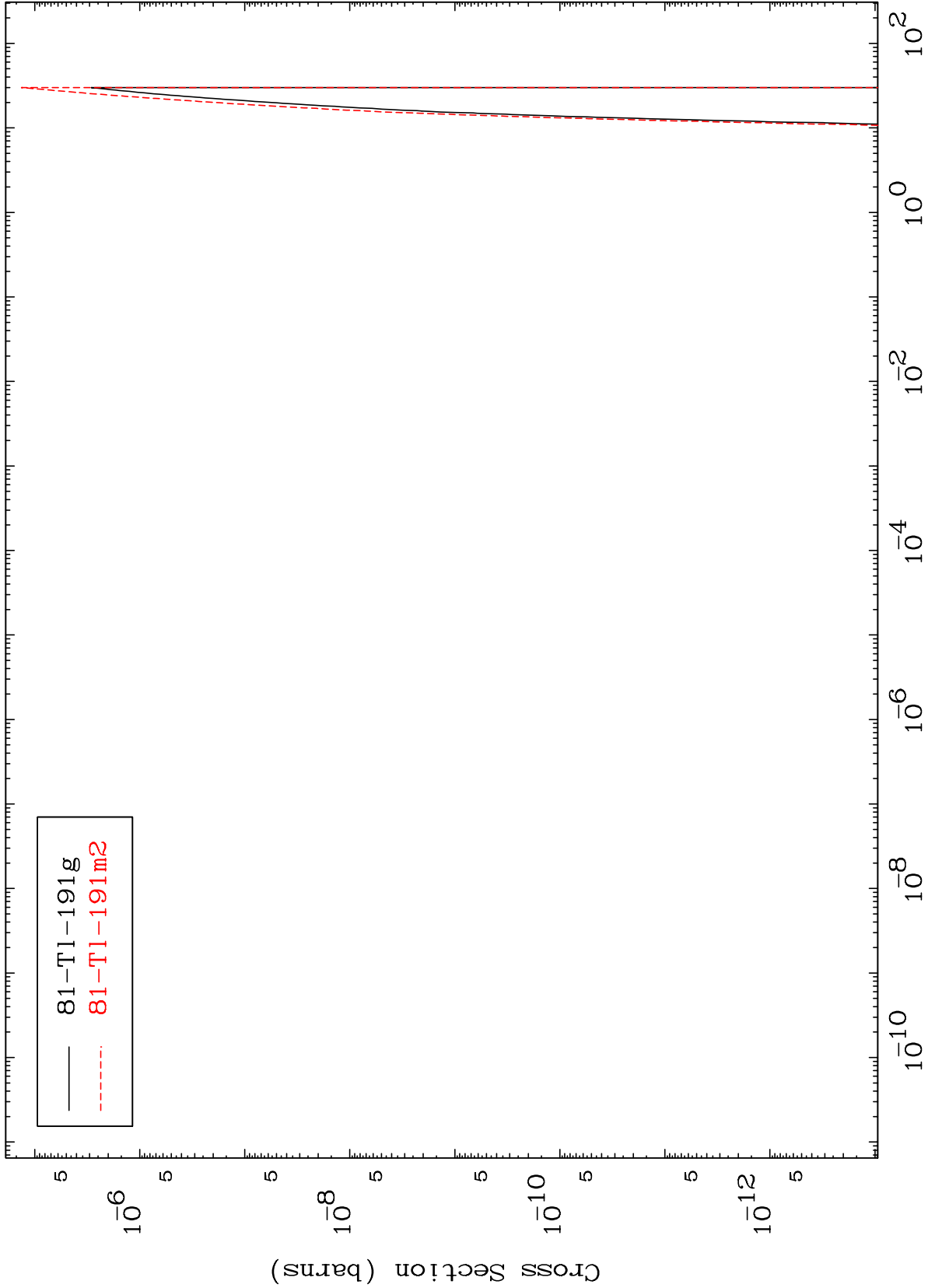
85-At-200

MAT 8518

(n,2n) 2α

85-At-200

Radionuclide Production Cross Section

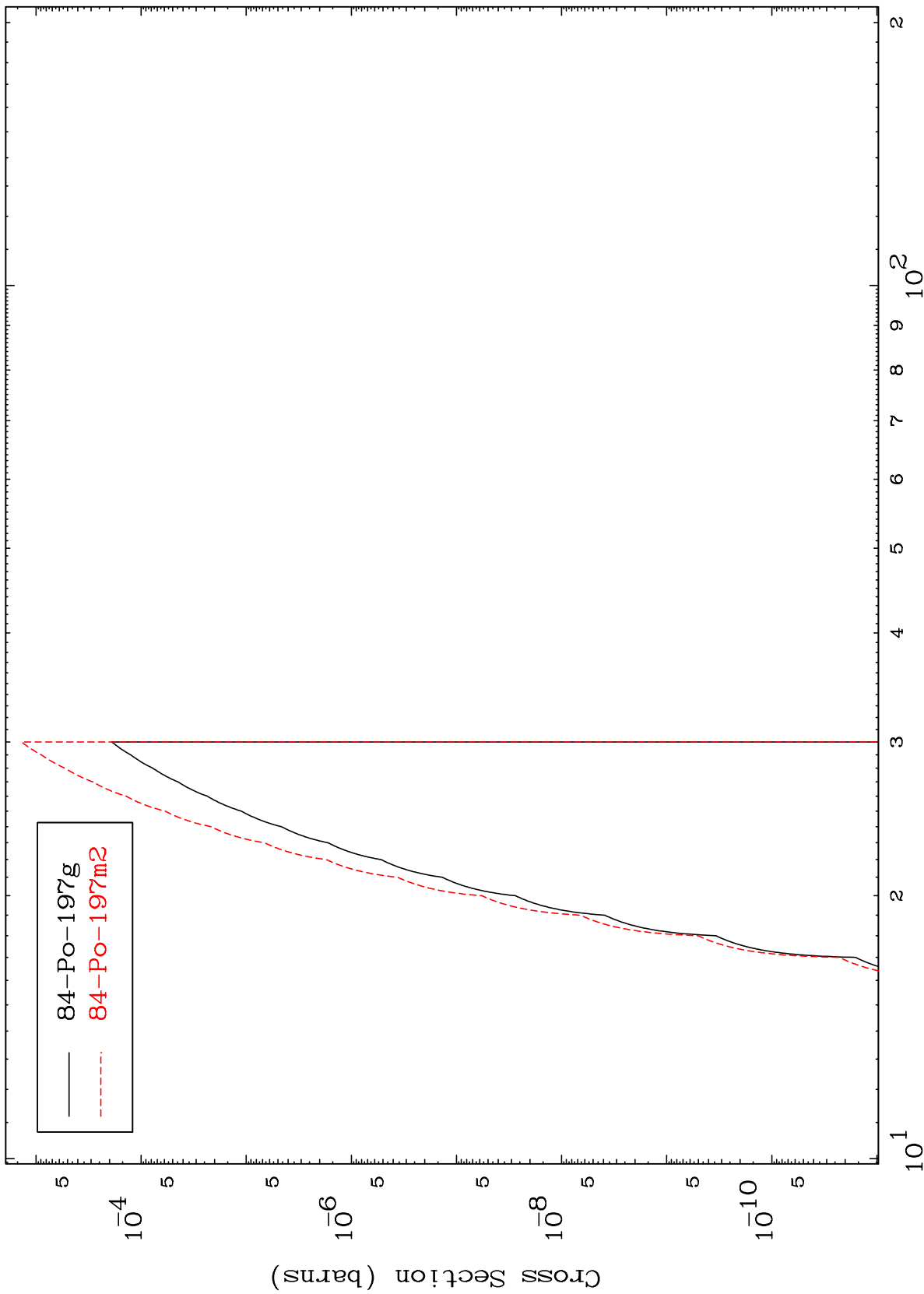


MAT 8518

(n,n') t

85-At-200

Radionuclide Production Cross Section



Incident Energy (MeV)

85-At-200

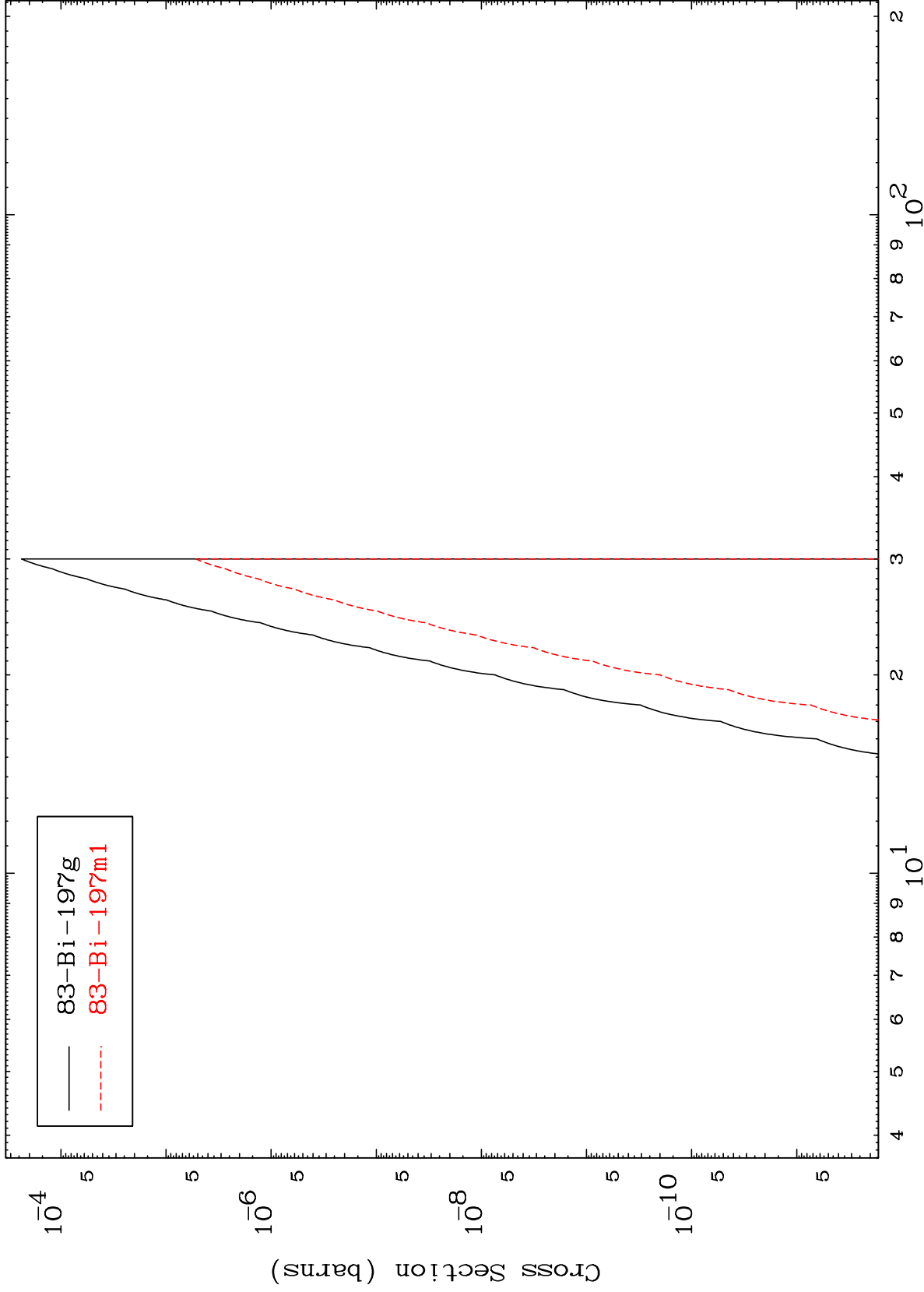
28

MAT 8518

(n,n') He-3

85-At-200

Radionuclide Production Cross Section



29

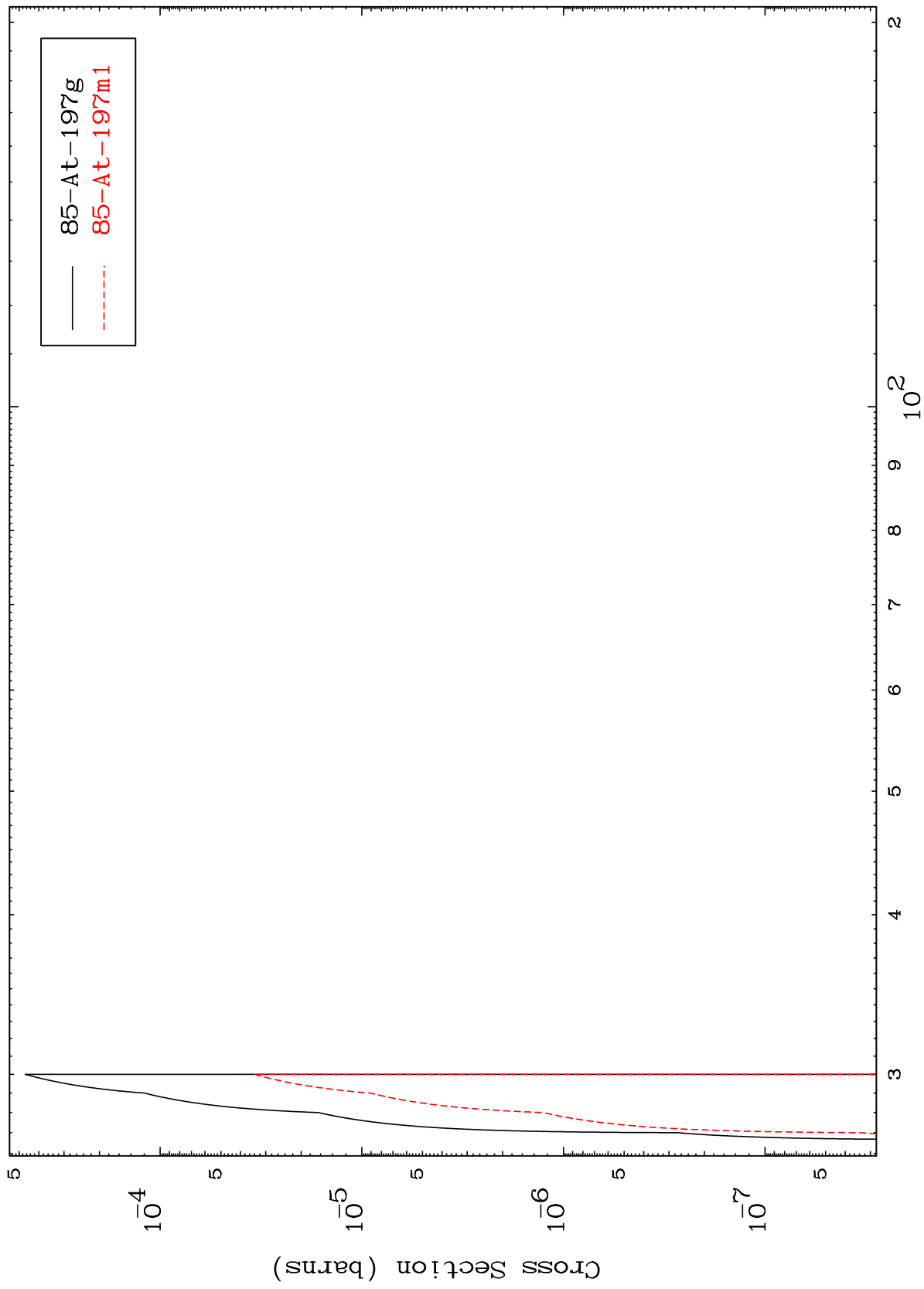
Incident Energy (MeV)

85-At-200

MAT 8518

85-At-200

(n,4n)
Radionuclide Production Cross Section



30

Incident Energy (MeV)

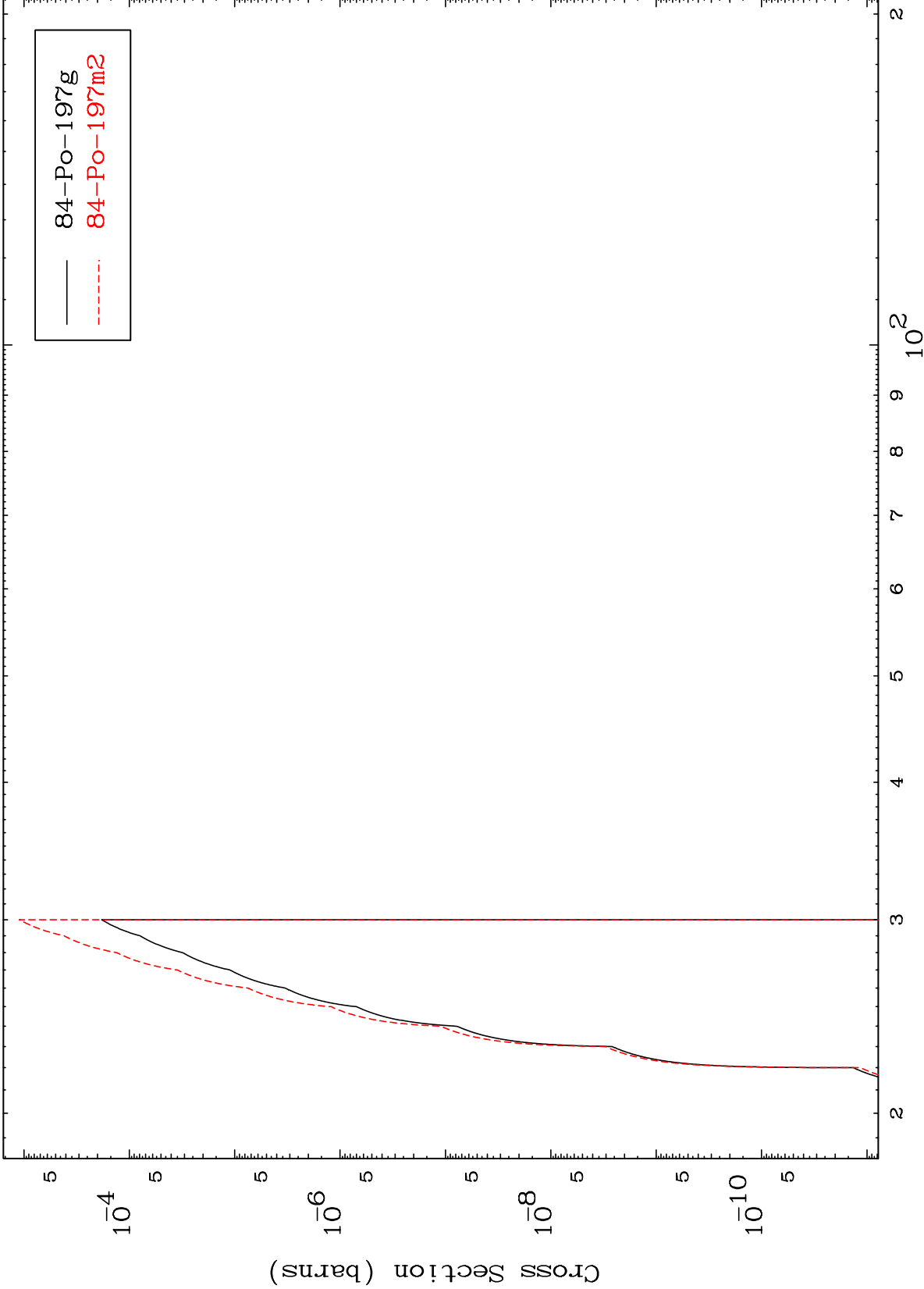
85-At-200

MAT 8518

(n,3n) p

85-At-200

Radionuclide Production Cross Section



31

Incident Energy (MeV)

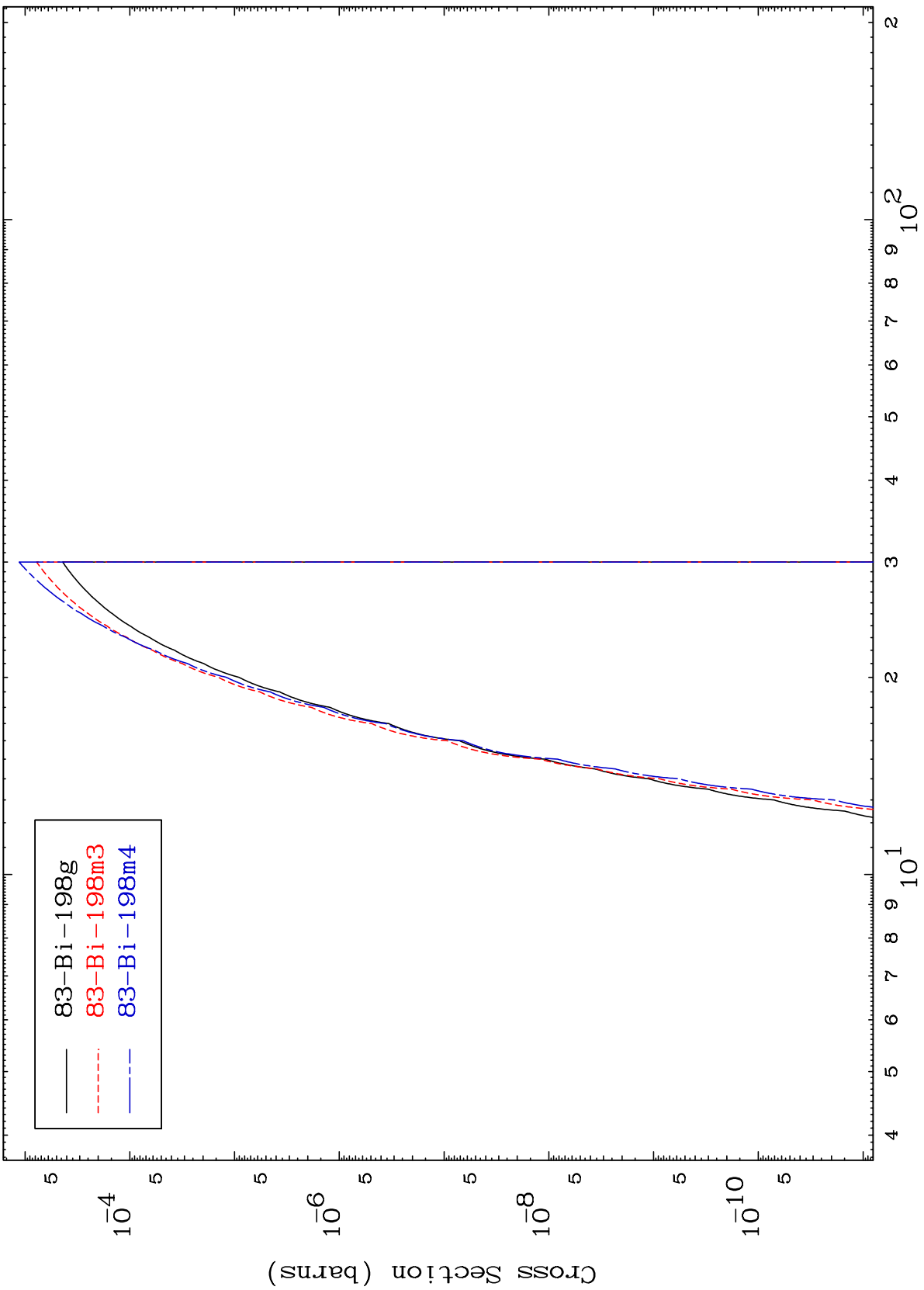
85-At-200

MAT 8518

(n,2n) p

85-At-200

Radionuclide Production Cross Section



32

Incident Energy (MeV)

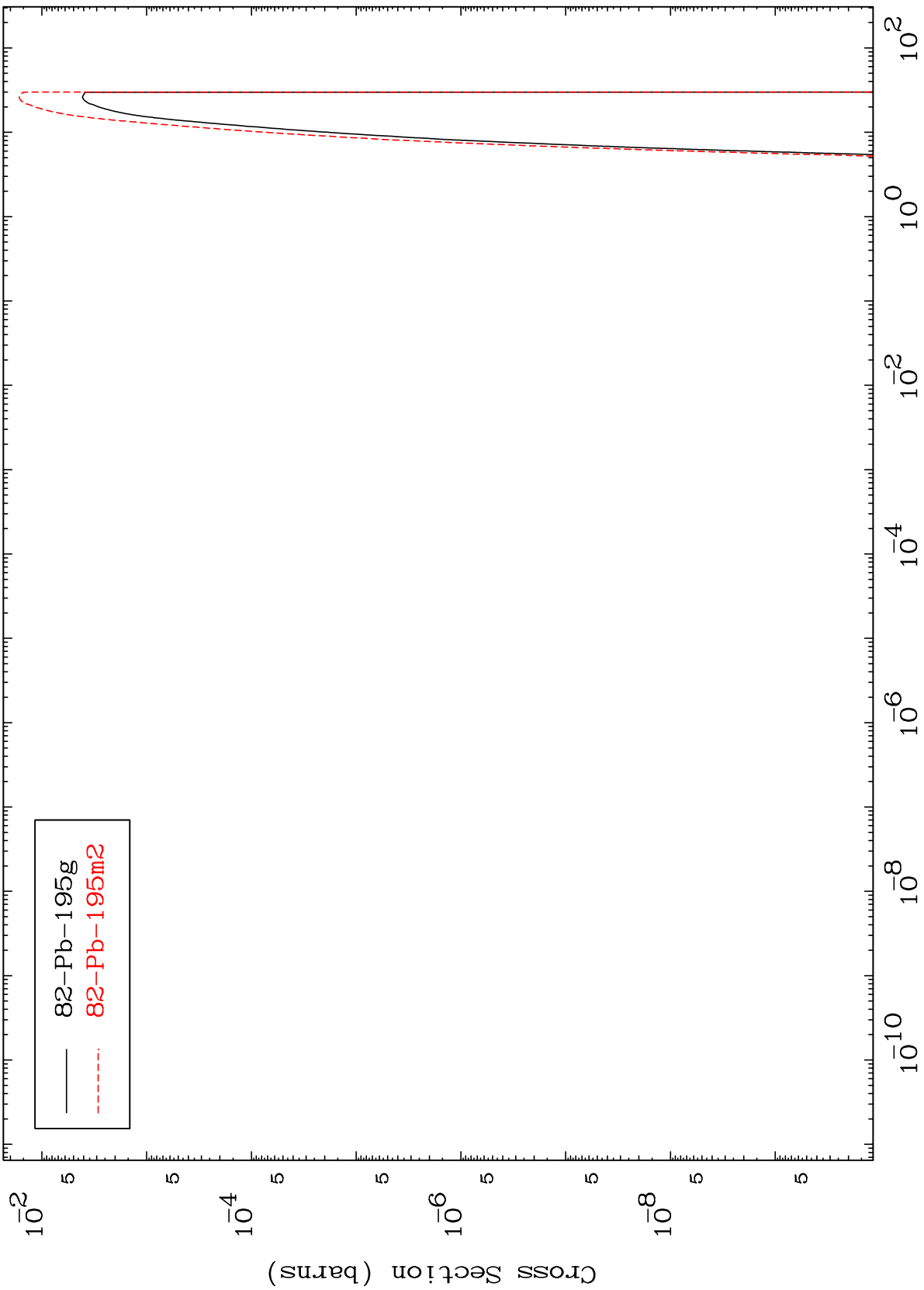
85-At-200

MAT 8518

(n,n') p α

85-At-200

Radionuclide Production Cross Section



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

Incident Energy (MeV)

85-At-200

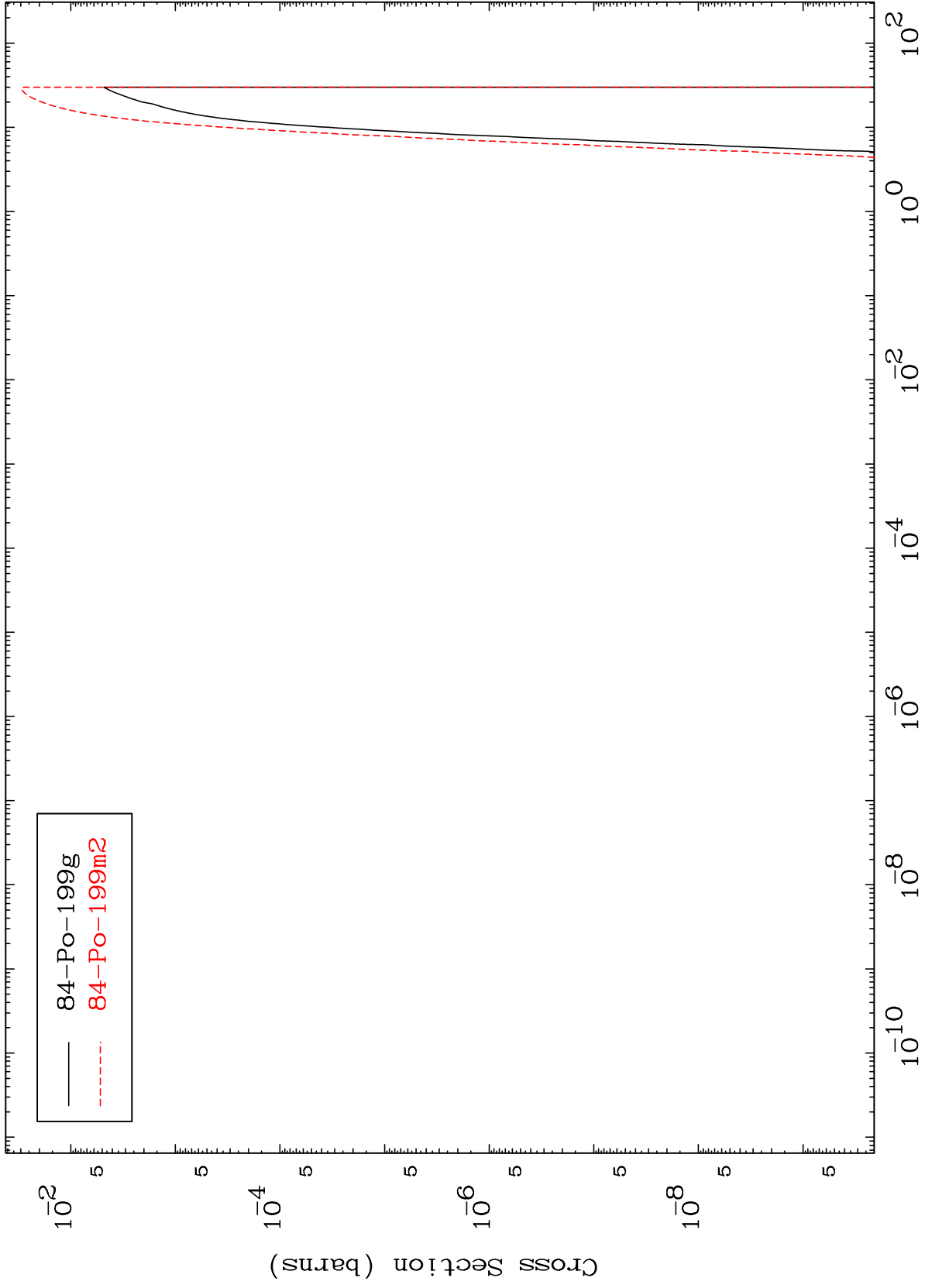
33

MAT 8518

(n,d)

85-At-200

Radionuclide Production Cross Section

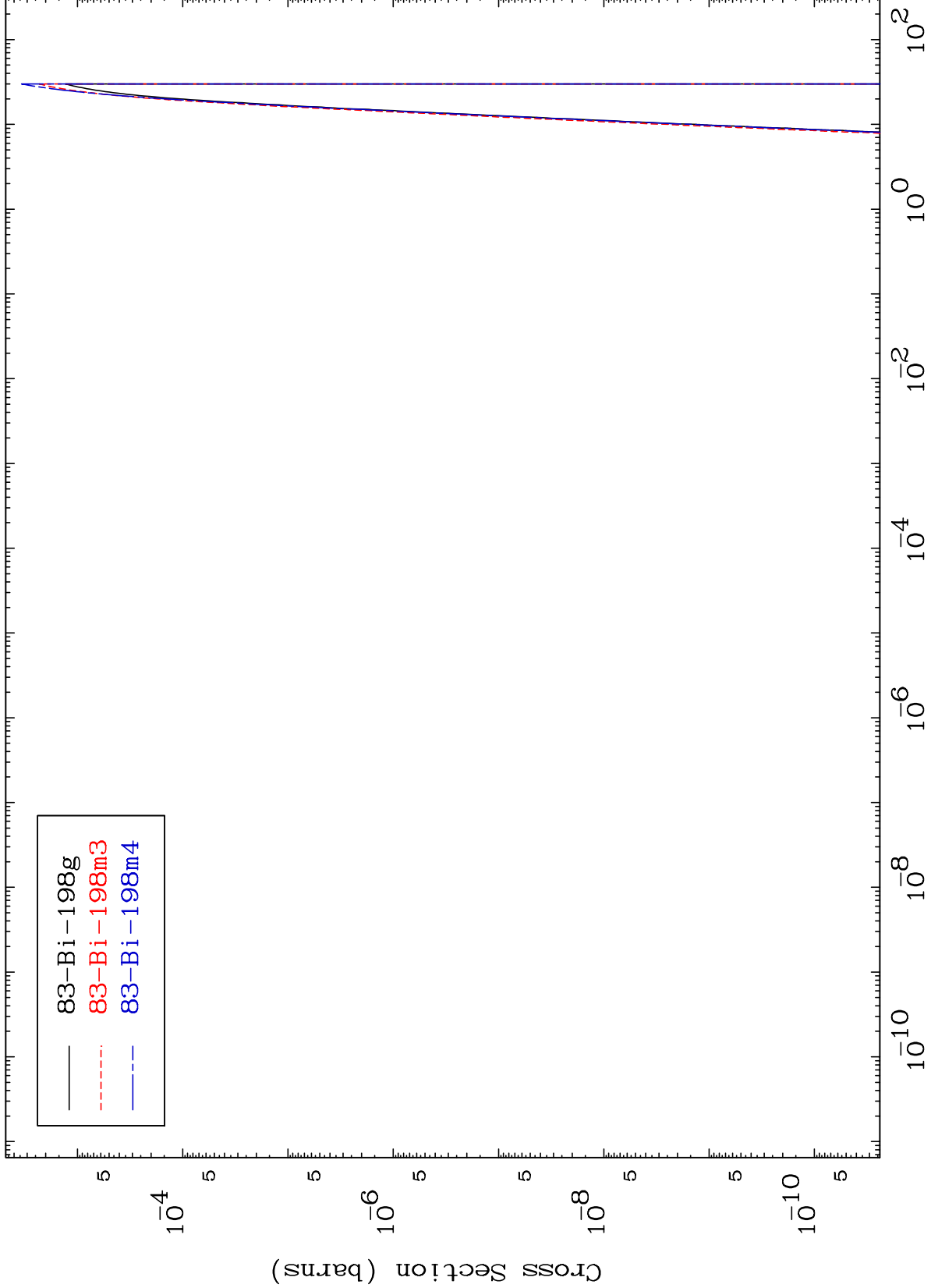


MAT 8518

(n,He-3)

85-At-200

Radionuclide Production Cross Section



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

35

Incident Energy (MeV)

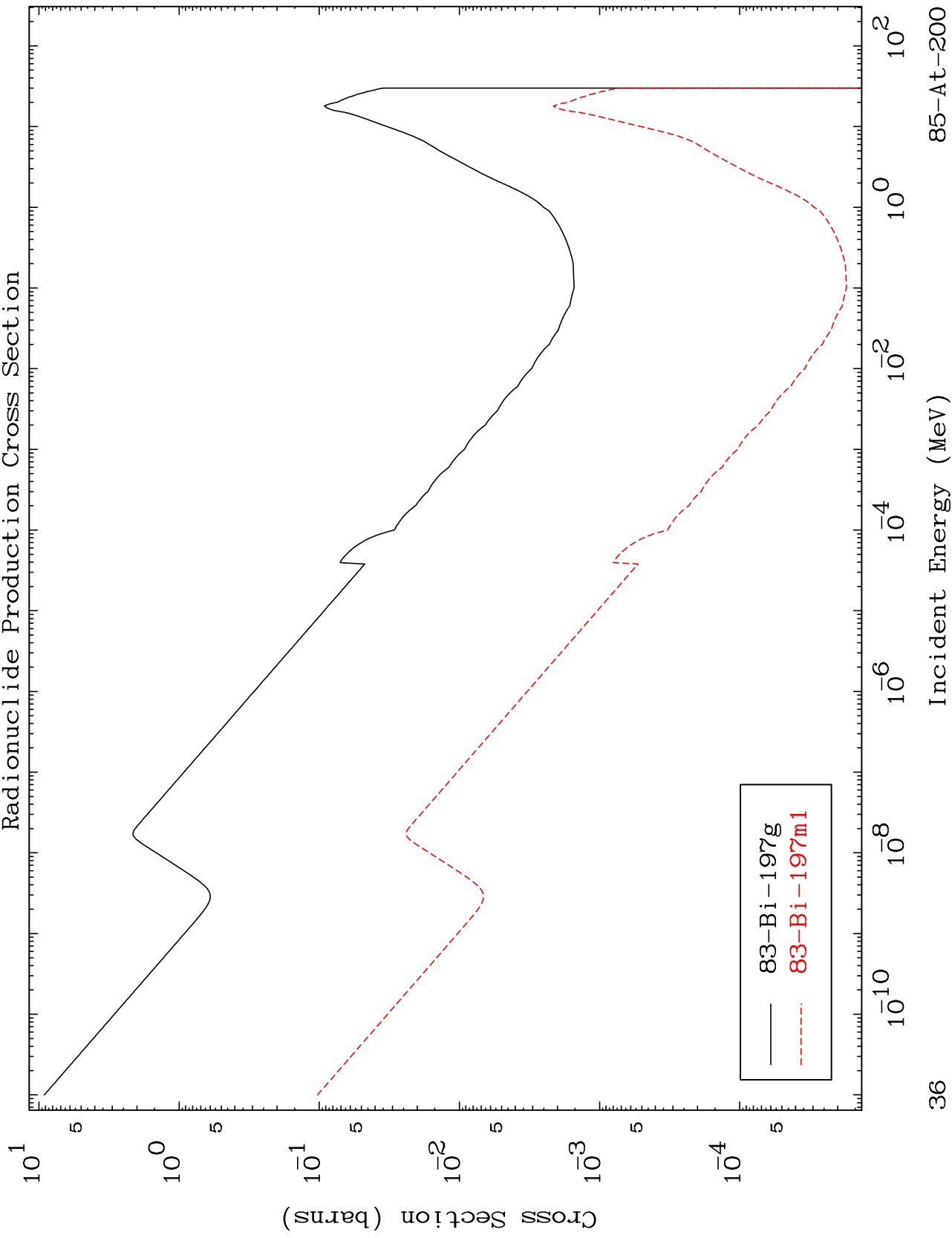
85-At-200

MAT 8518

85-At-200

Radionuclide Production Cross Section

(n, α)



36

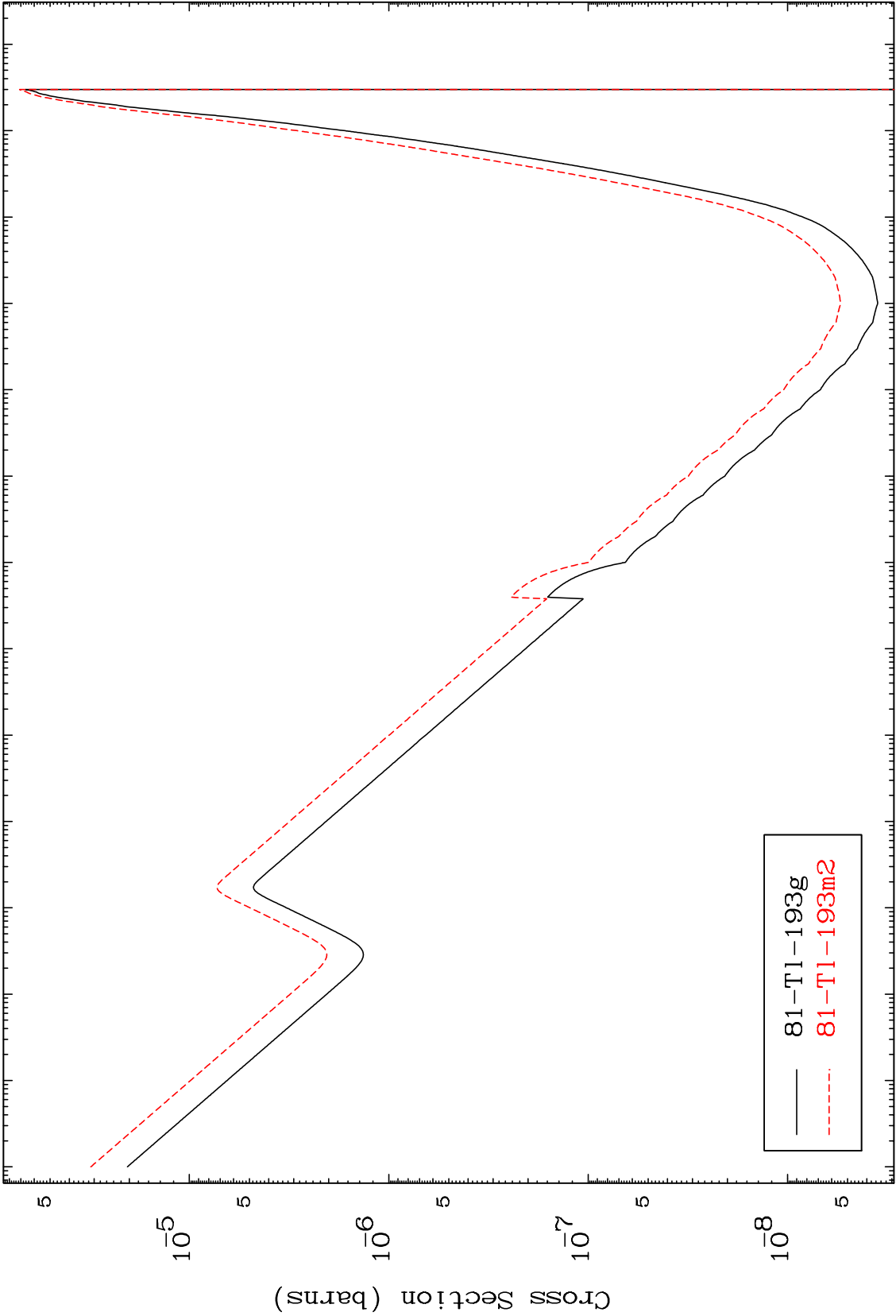
85-At-200

MAT 8518

(n,2α)

85-At-200

Radionuclide Production Cross Section



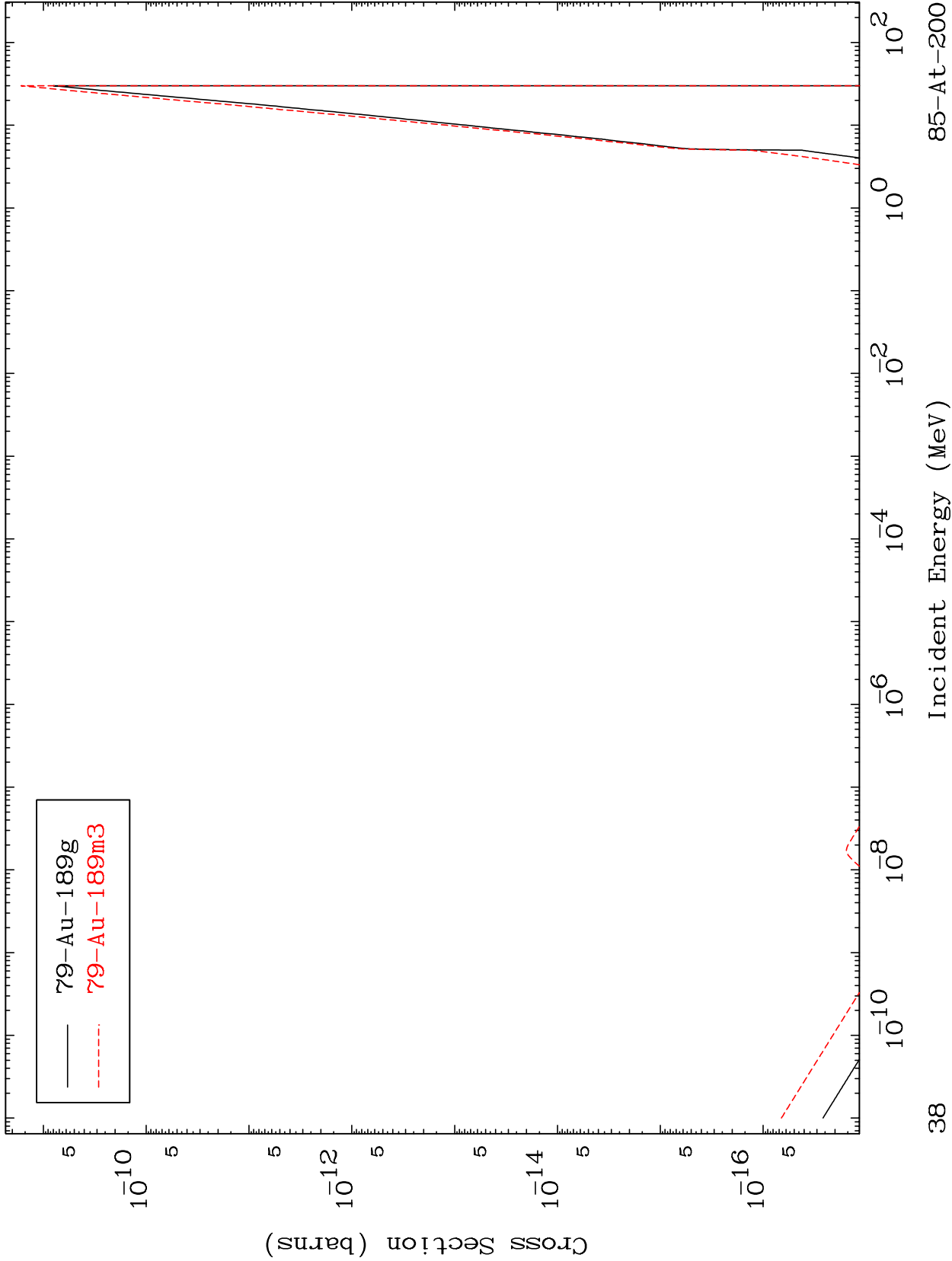
81-Tl-193g
81-Tl-193m2

MAT 8518

(n,3α)

85-At-200

Radionuclide Production Cross Section

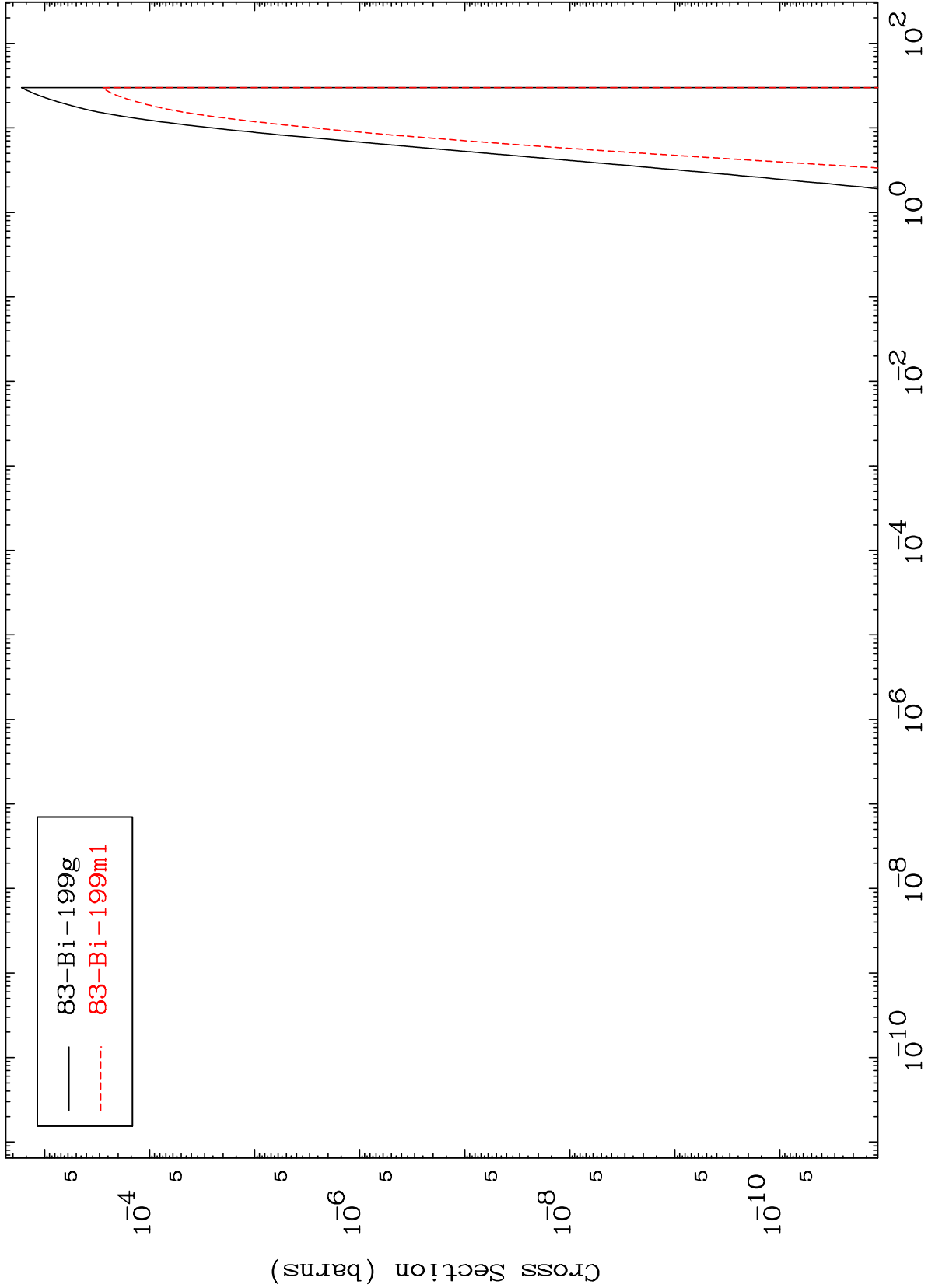


MAT 8518

(n,2p)

85-At-200

Radionuclide Production Cross Section

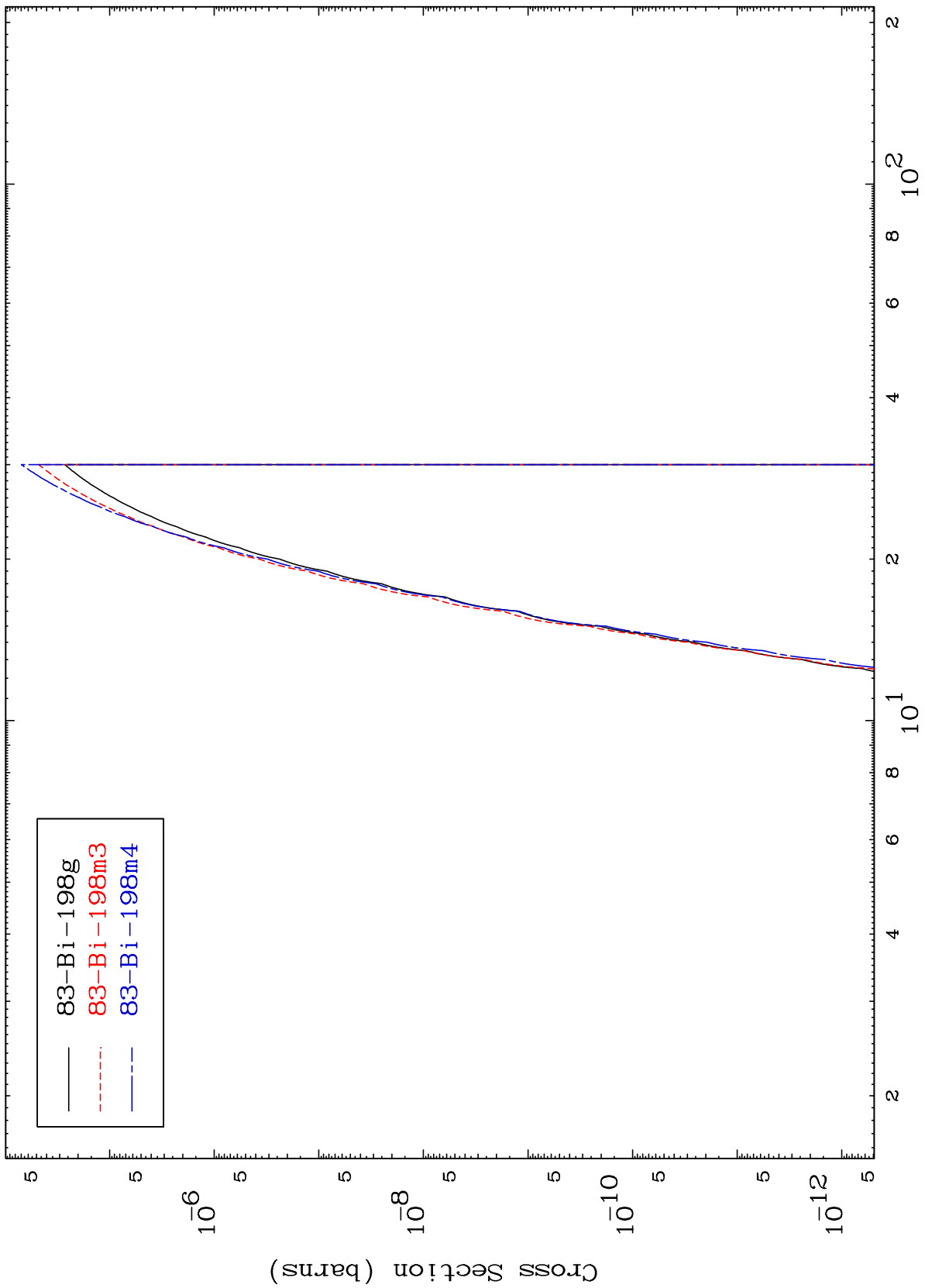


MAT 8518

(n,p) d

85-At-200

Radionuclide Production Cross Section



40

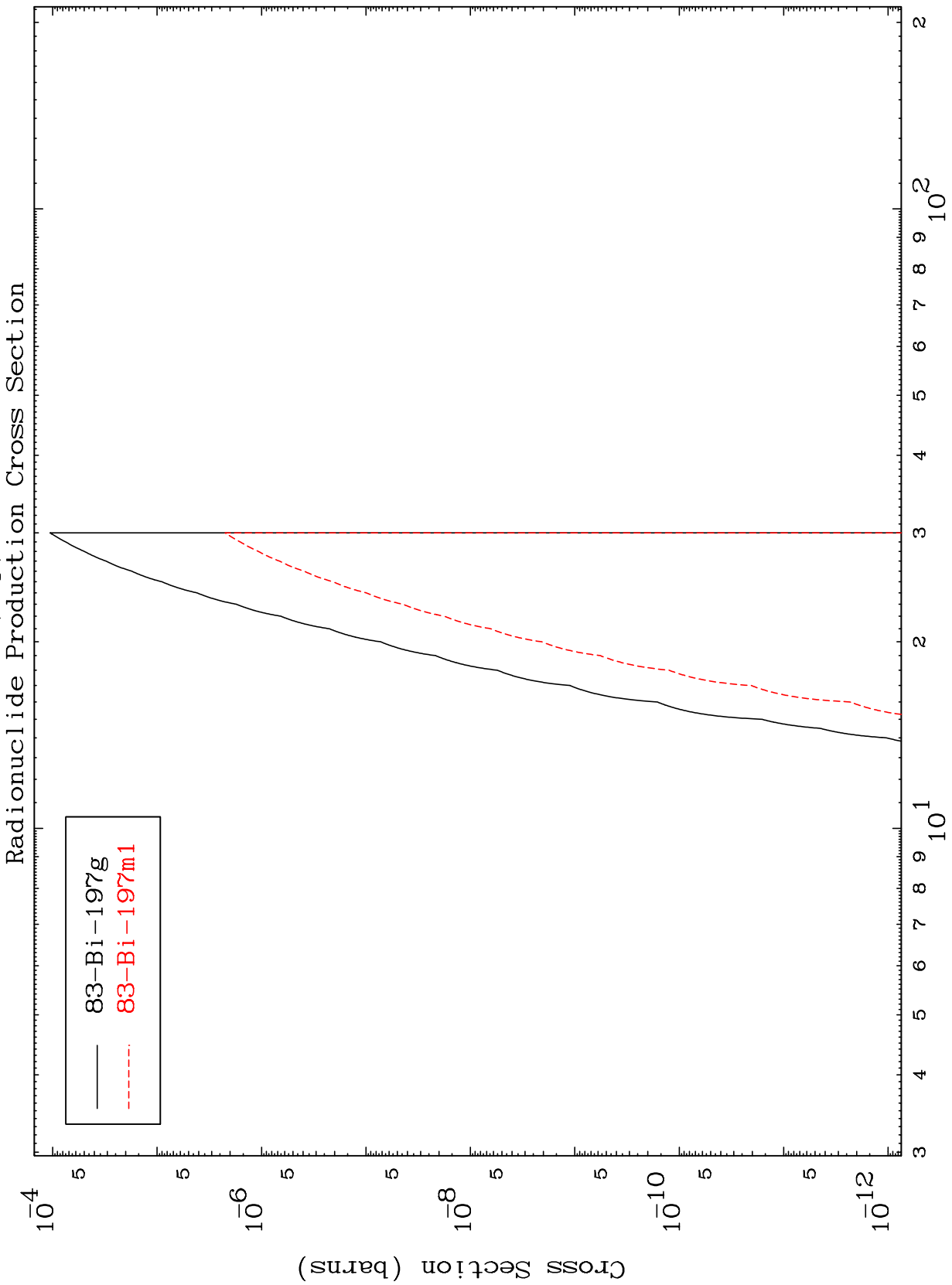
Incident Energy (MeV)

85-At-200

MAT 8518

(n,p) t

85-At-200



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

MAT 8518

(n,d) α

85-At-200

Radionuclide Production Cross Section

