

Program EVALPLOT
(Version 2018-1)

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

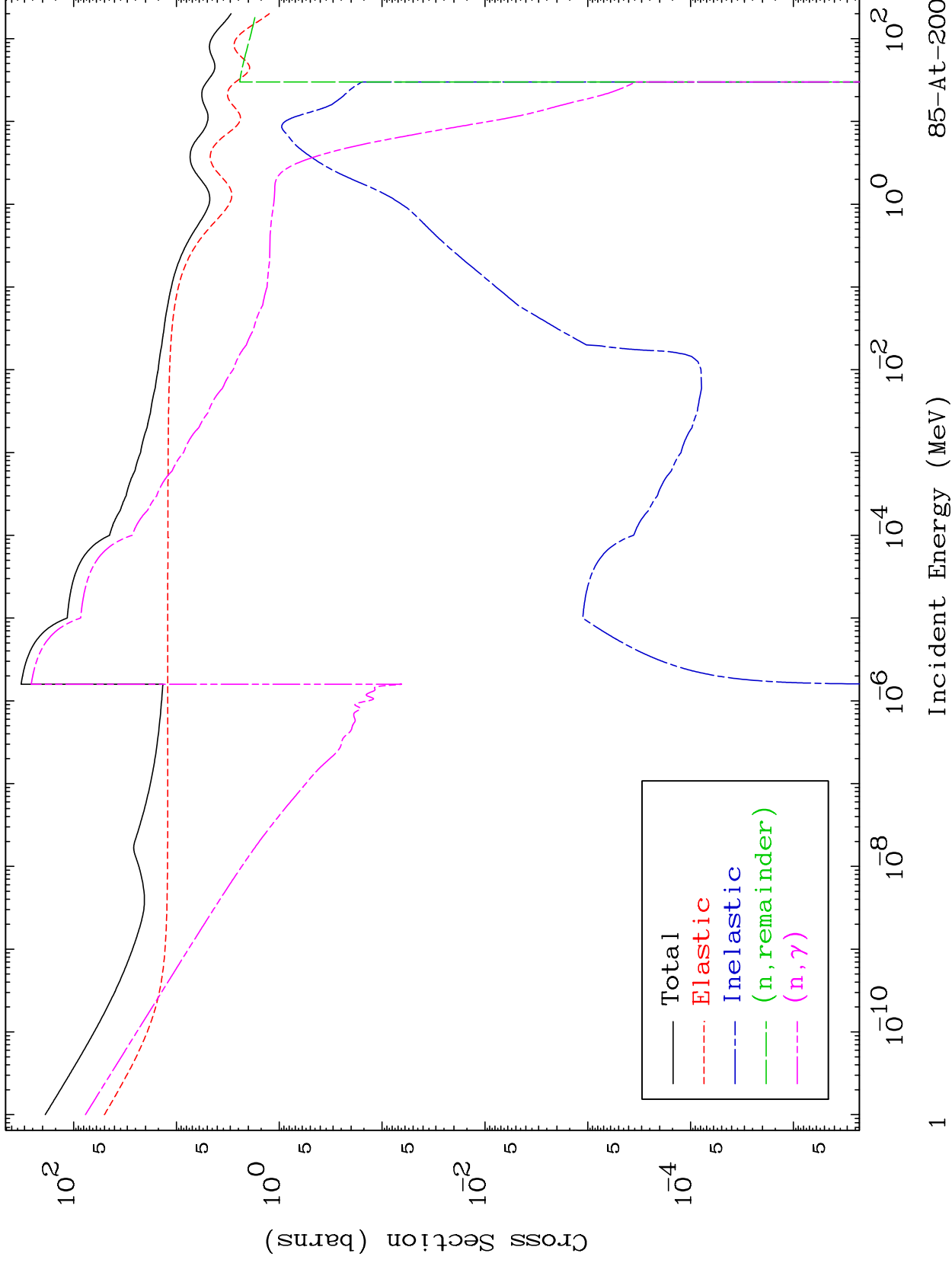
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8518

Major
293 Kelvin Cross Sections

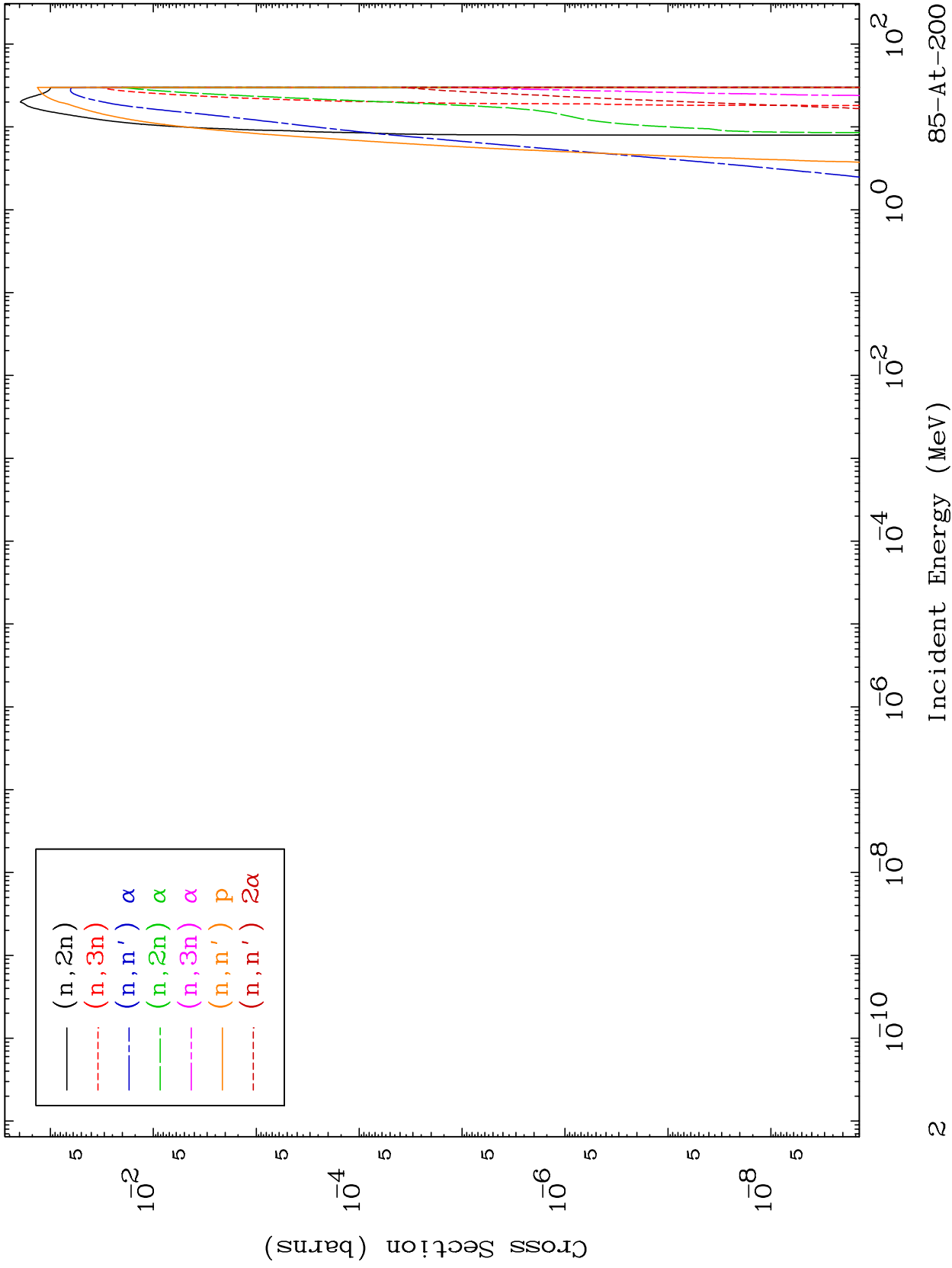
85-At-200



MAT 8518

Neutron Production
293 Kelvin Cross Sections

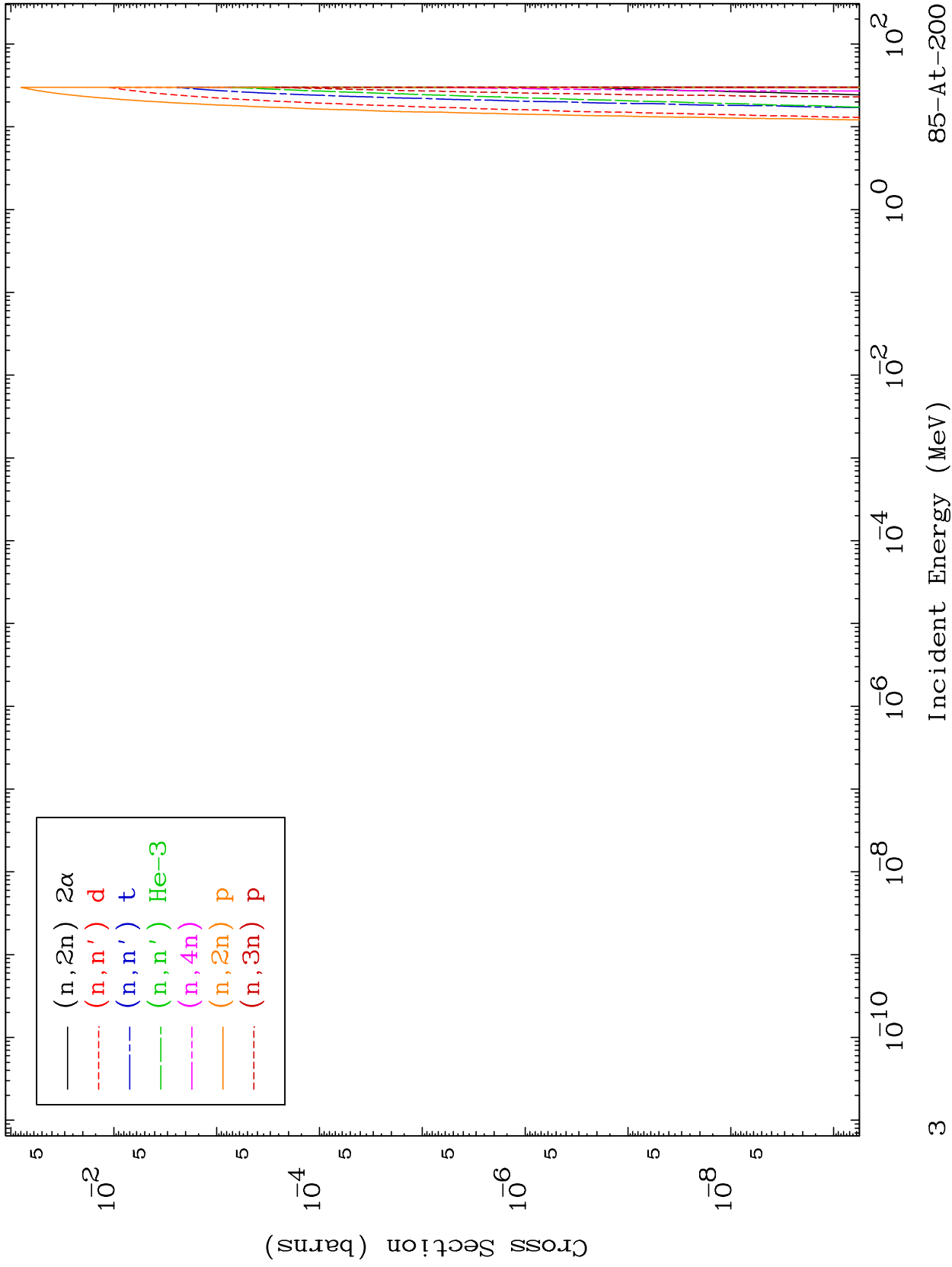
85-At-200



MAT 8518

Neutron Production
293 Kelvin Cross Sections

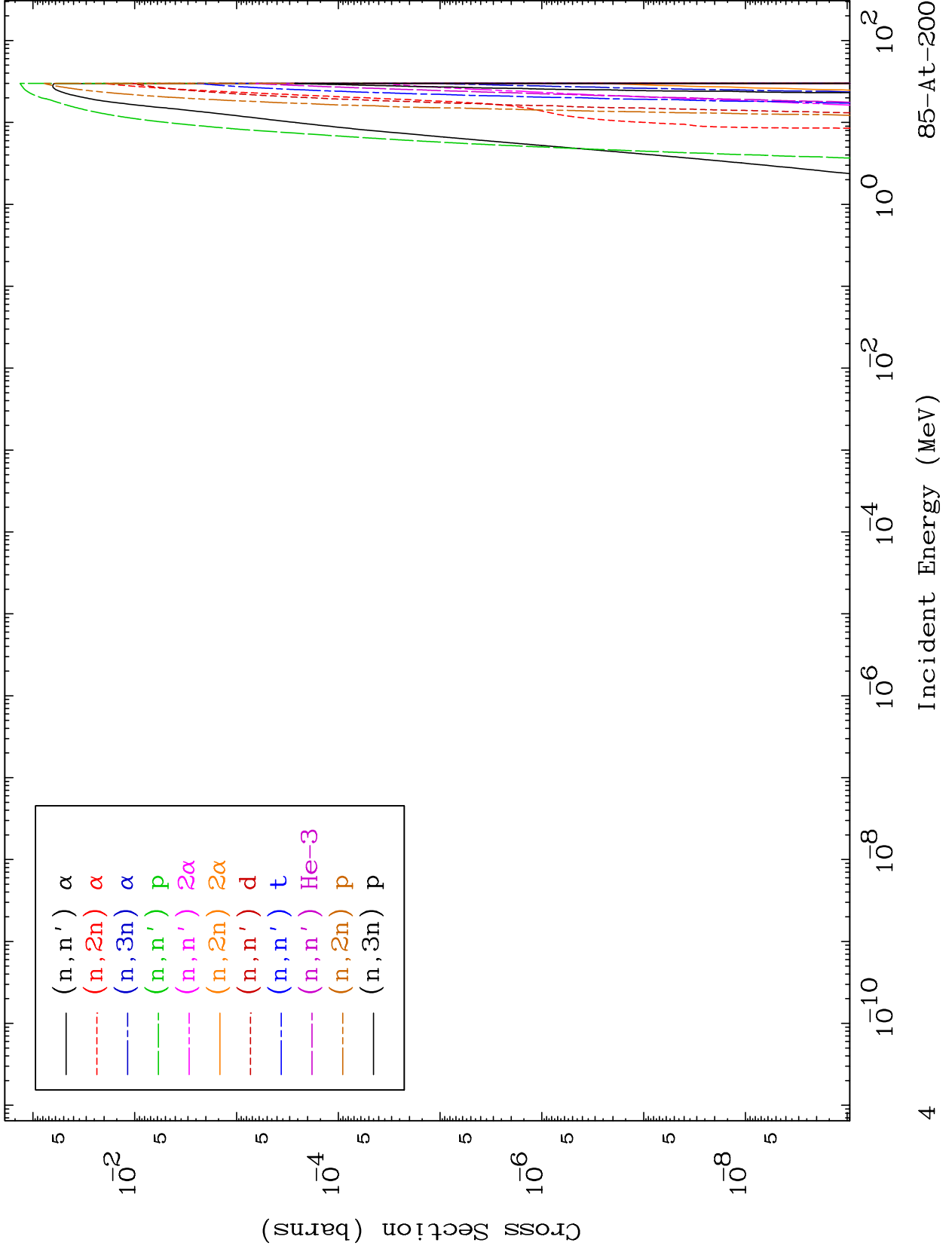
85-At-200



MAT 8518

Charged Particle
293 Kelvin Cross Sections

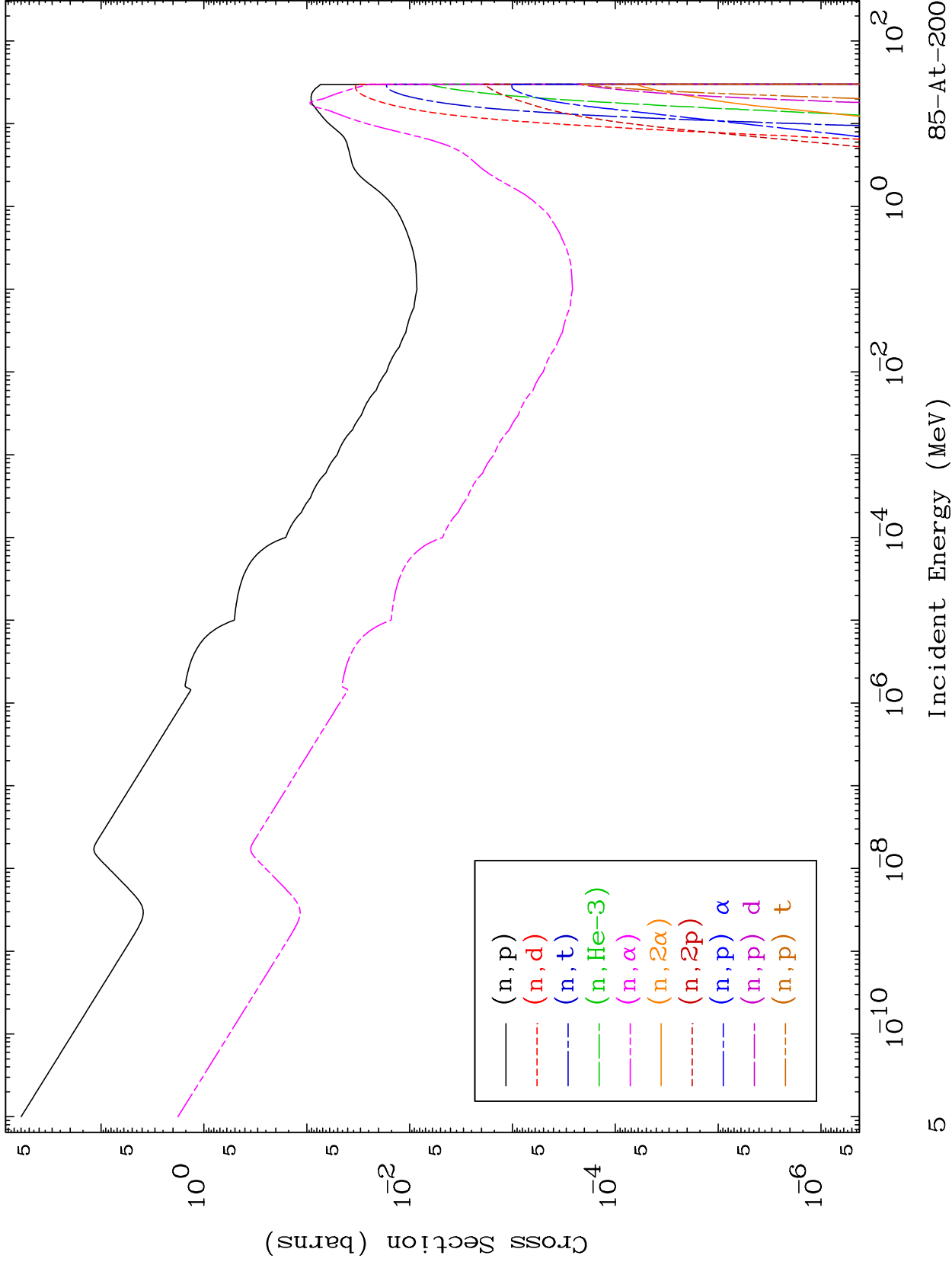
85-At-200



MAT 8518

Charged Particle
293 Kelvin Cross Sections

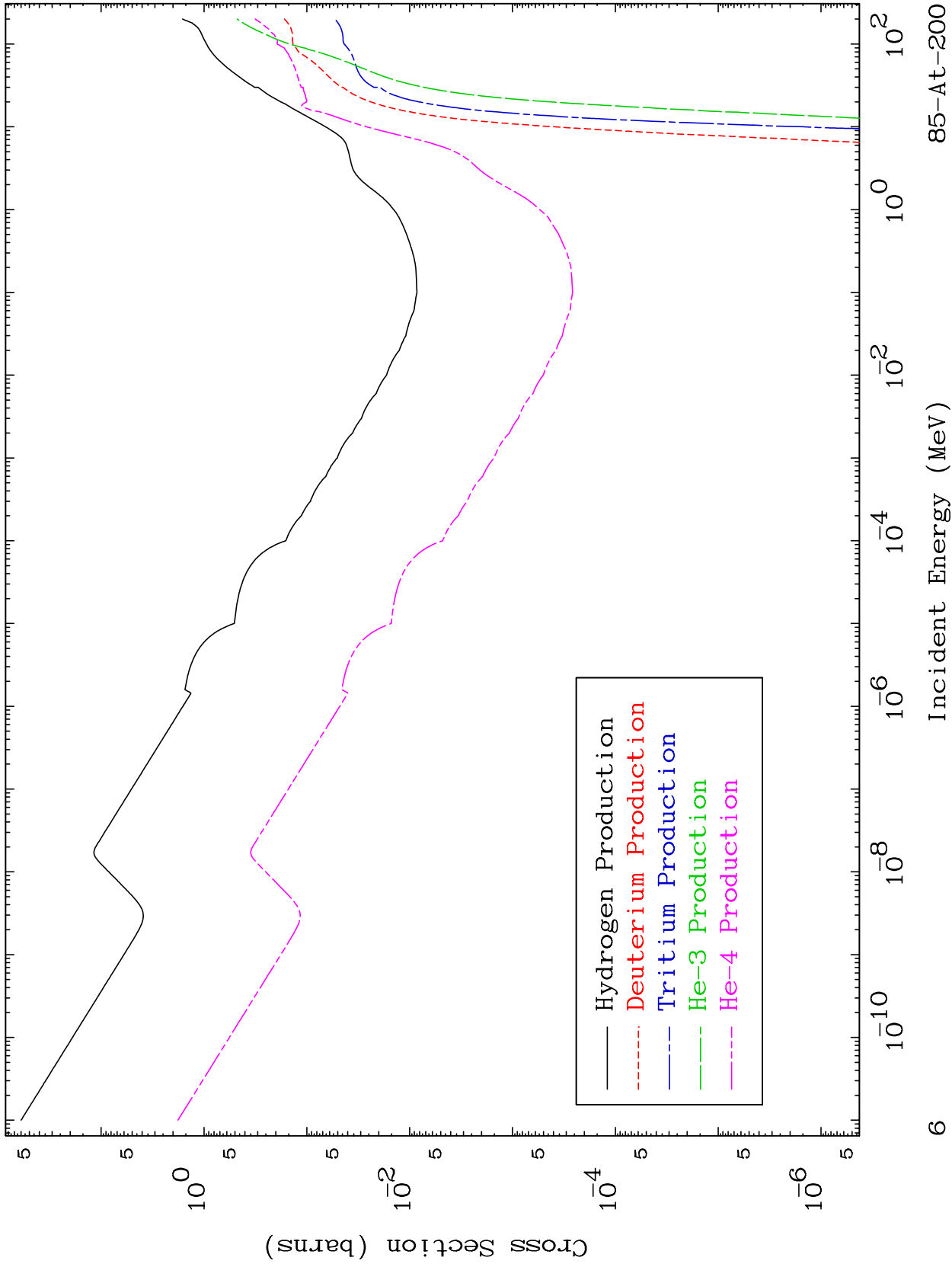
85-At-200

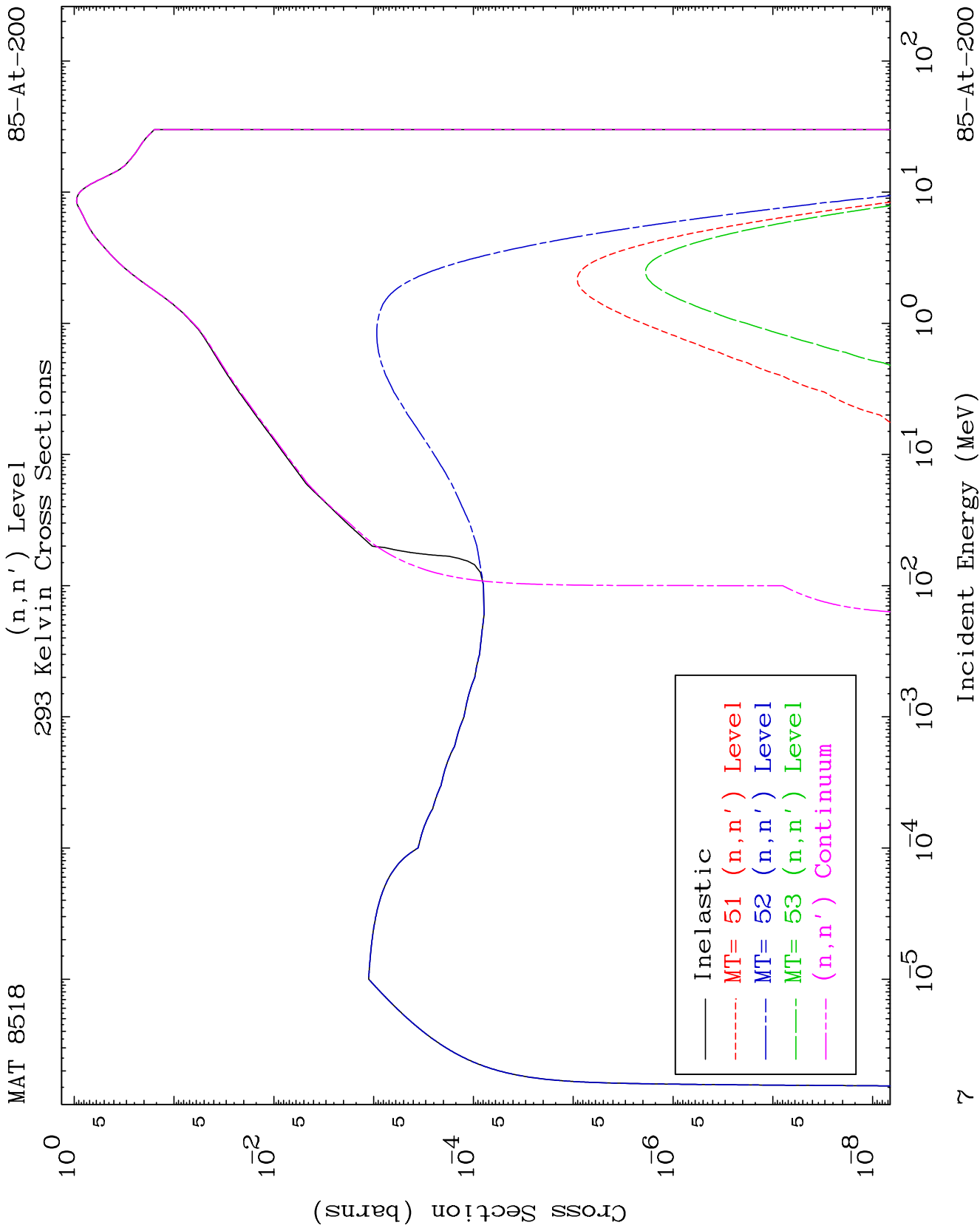


MAT 8518

Particle Production
293 Kelvin Cross Sections

85-At-200

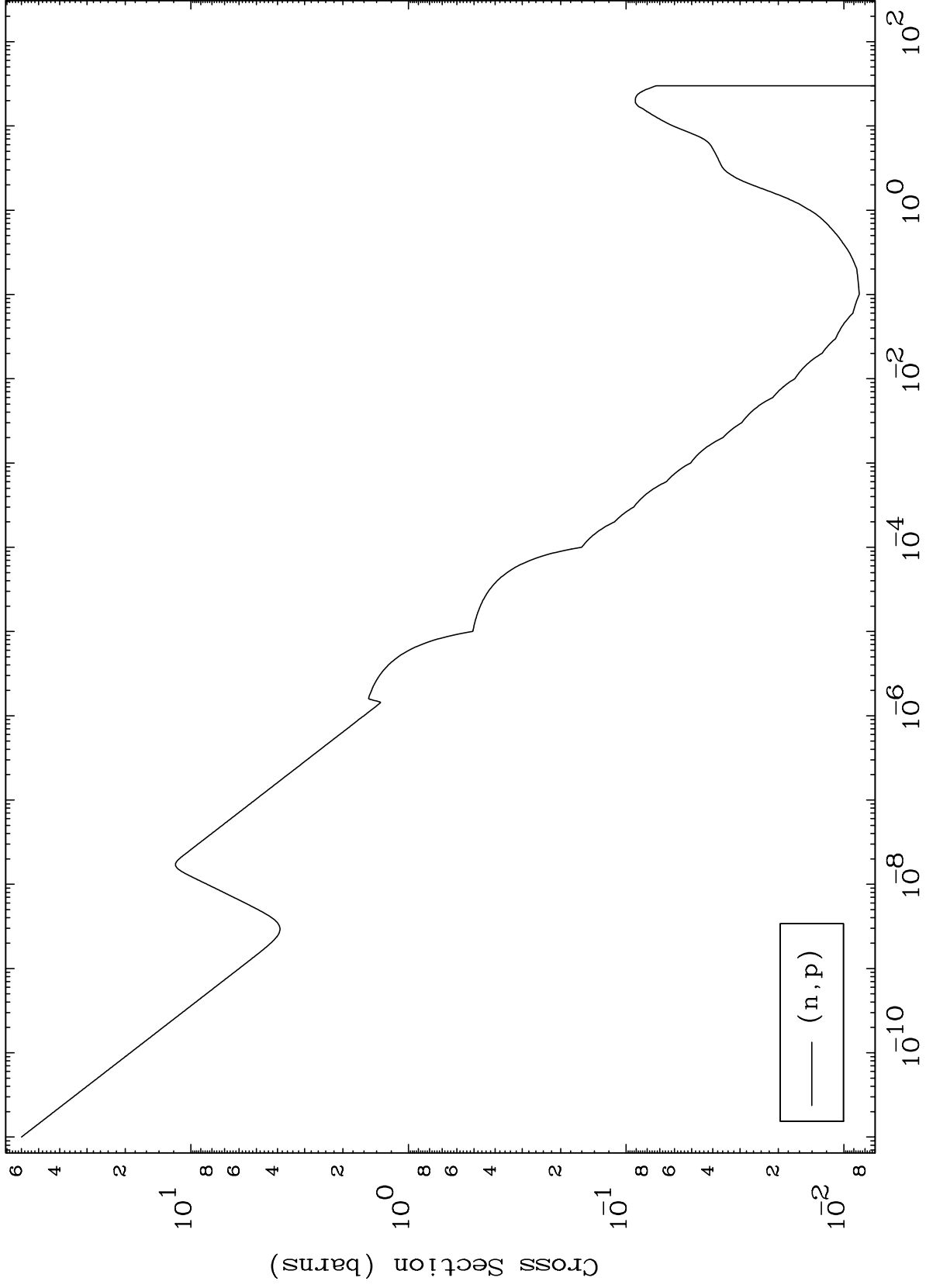




MAT 8518

(n,p) Levels
293 Kelvin Cross Sections

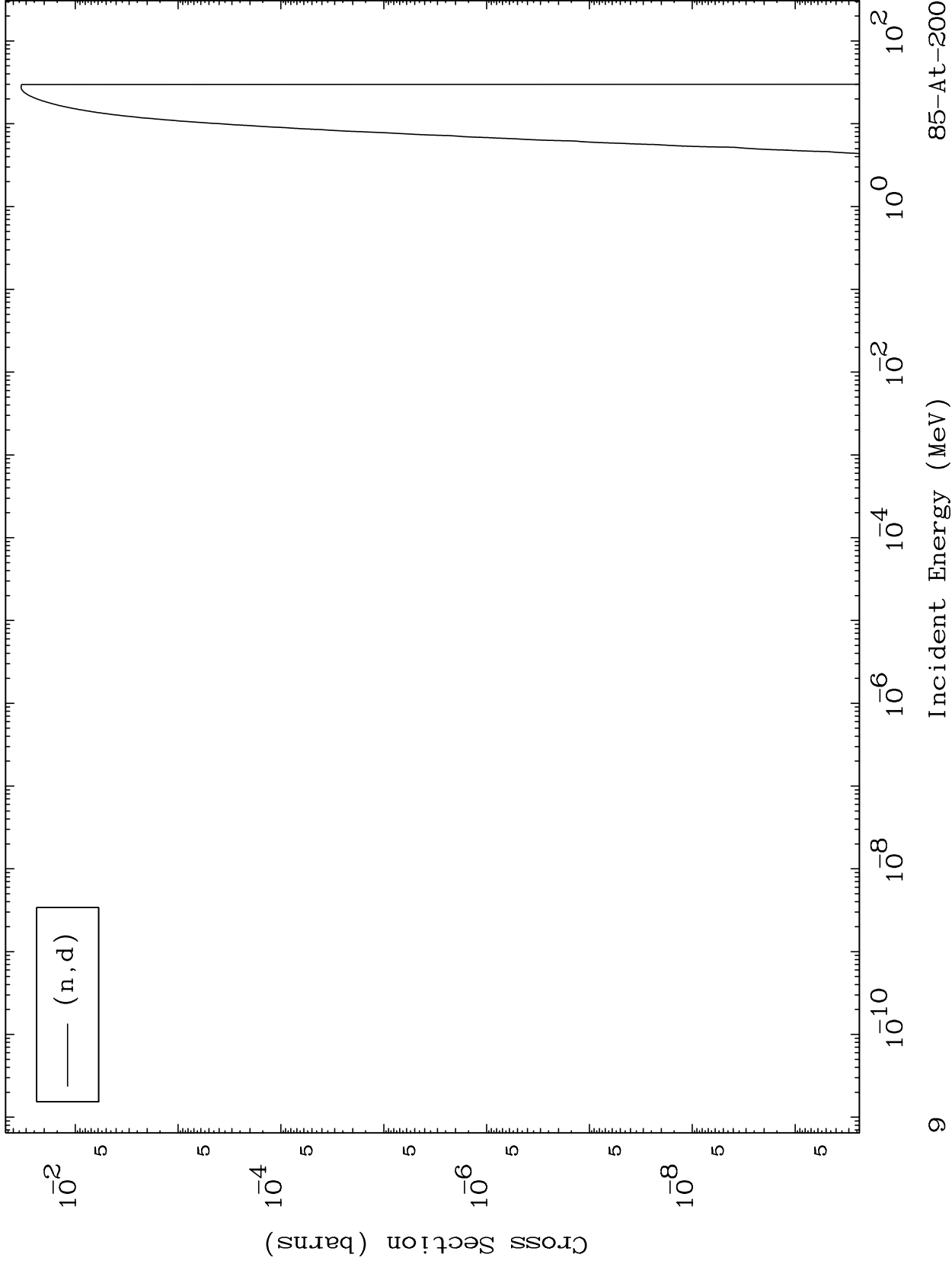
85-At-200



MAT 8518

(n,d) Levels
293 Kelvin Cross Sections

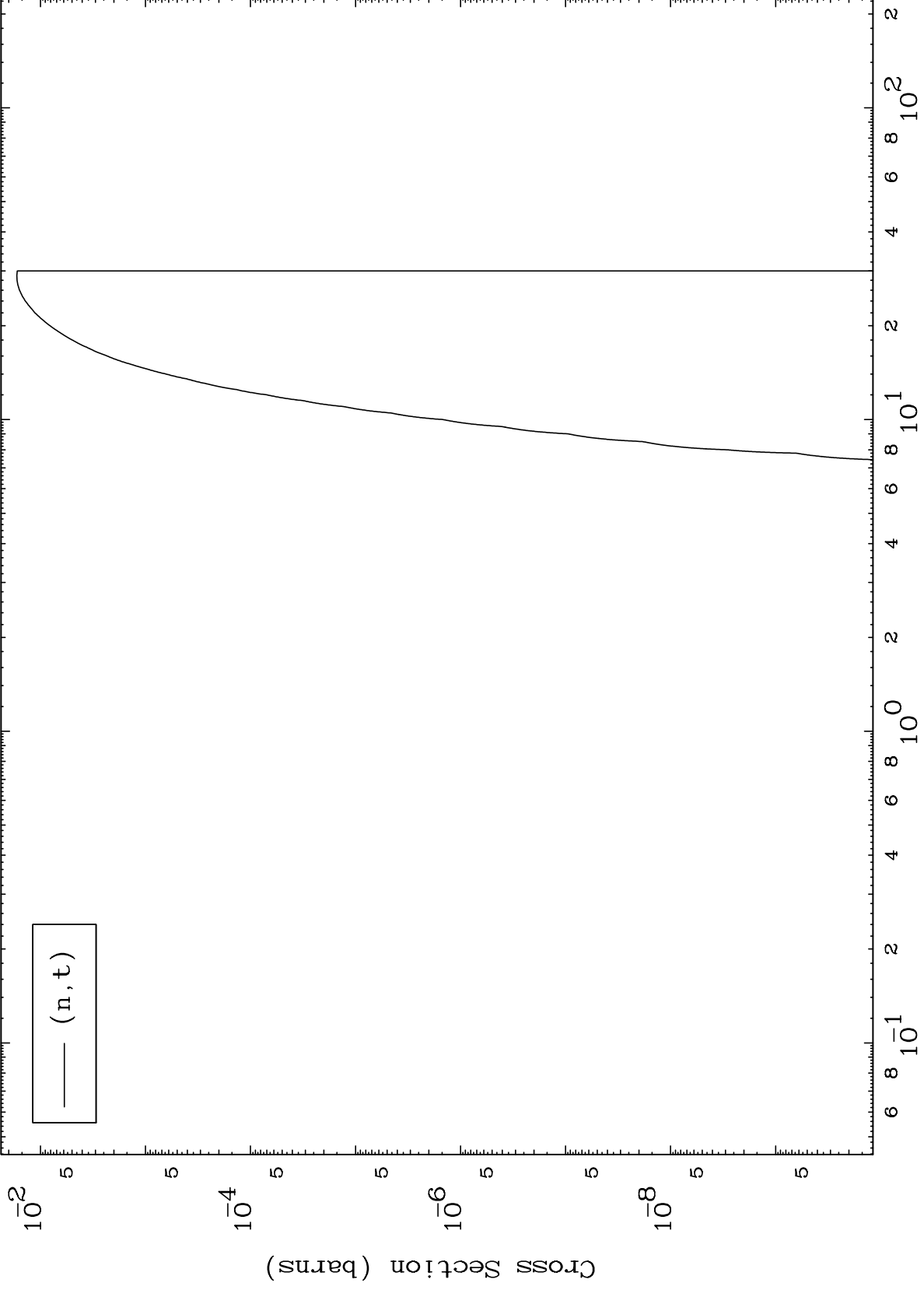
85-At-200



MAT 8518

(n,t) Levels
293 Kelvin Cross Sections

85-At-200



10

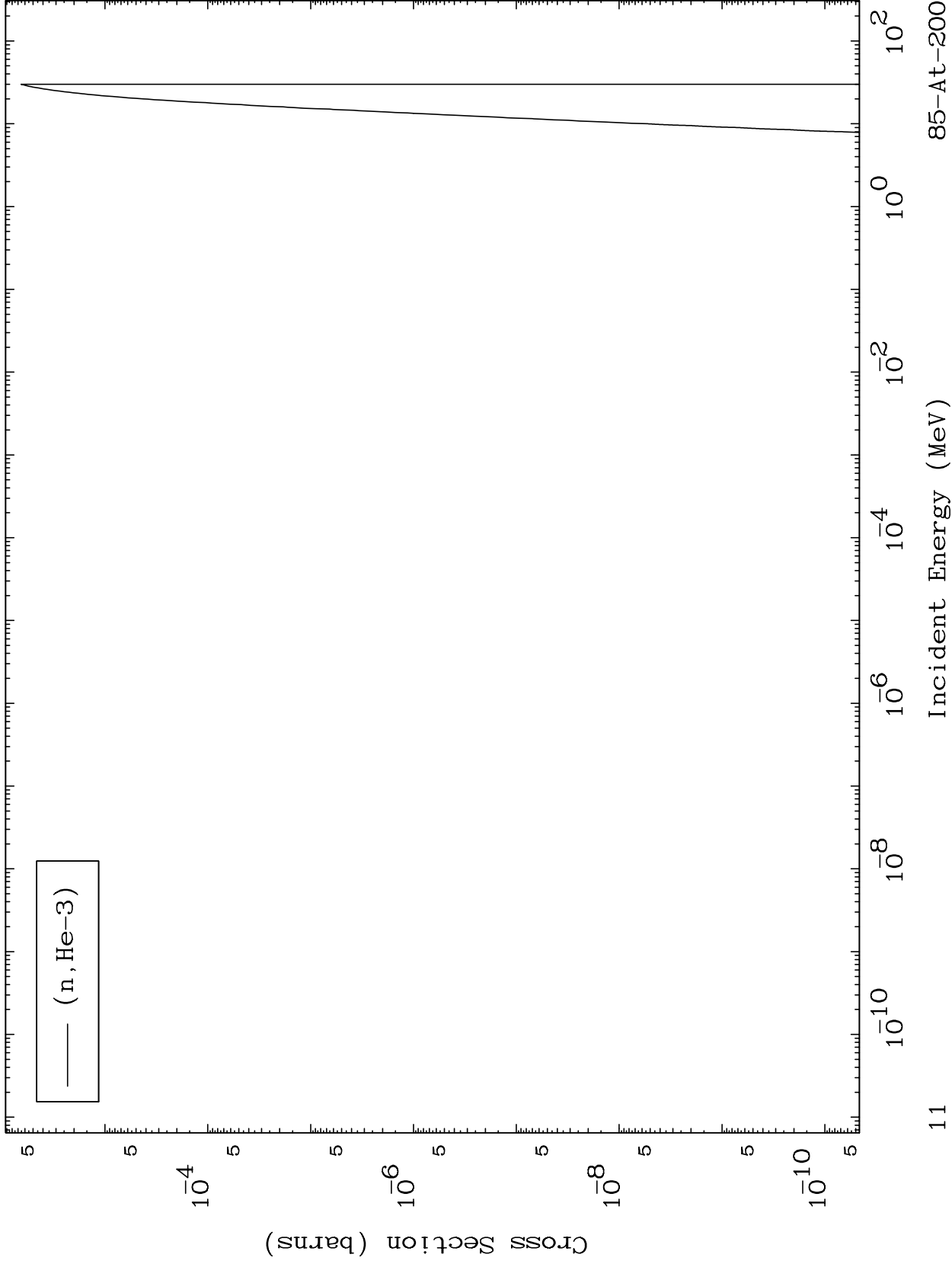
Incident Energy (MeV)

85-At-200

MAT 8518

(n,He3) Levels
293 Kelvin Cross Sections

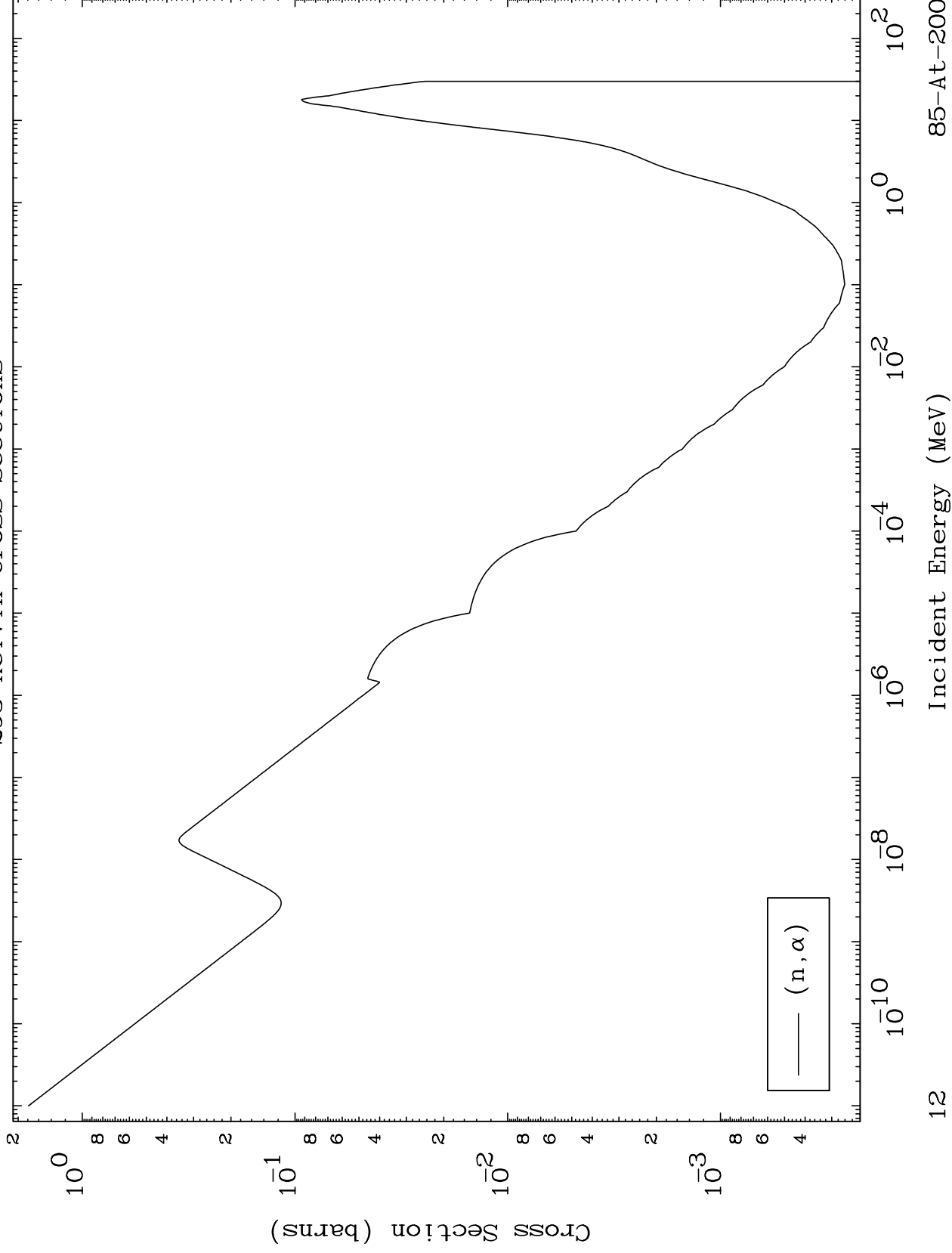
85-At-200

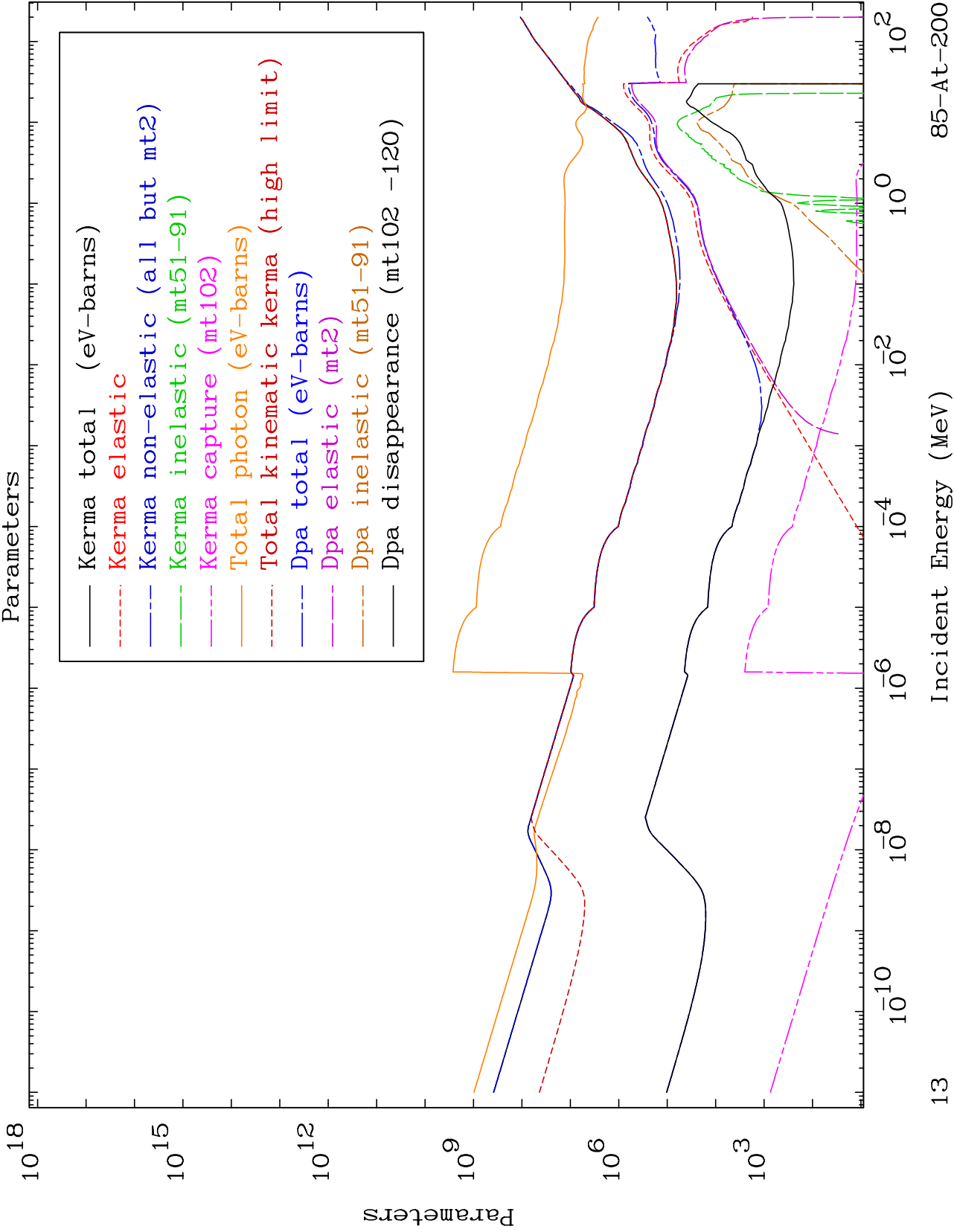


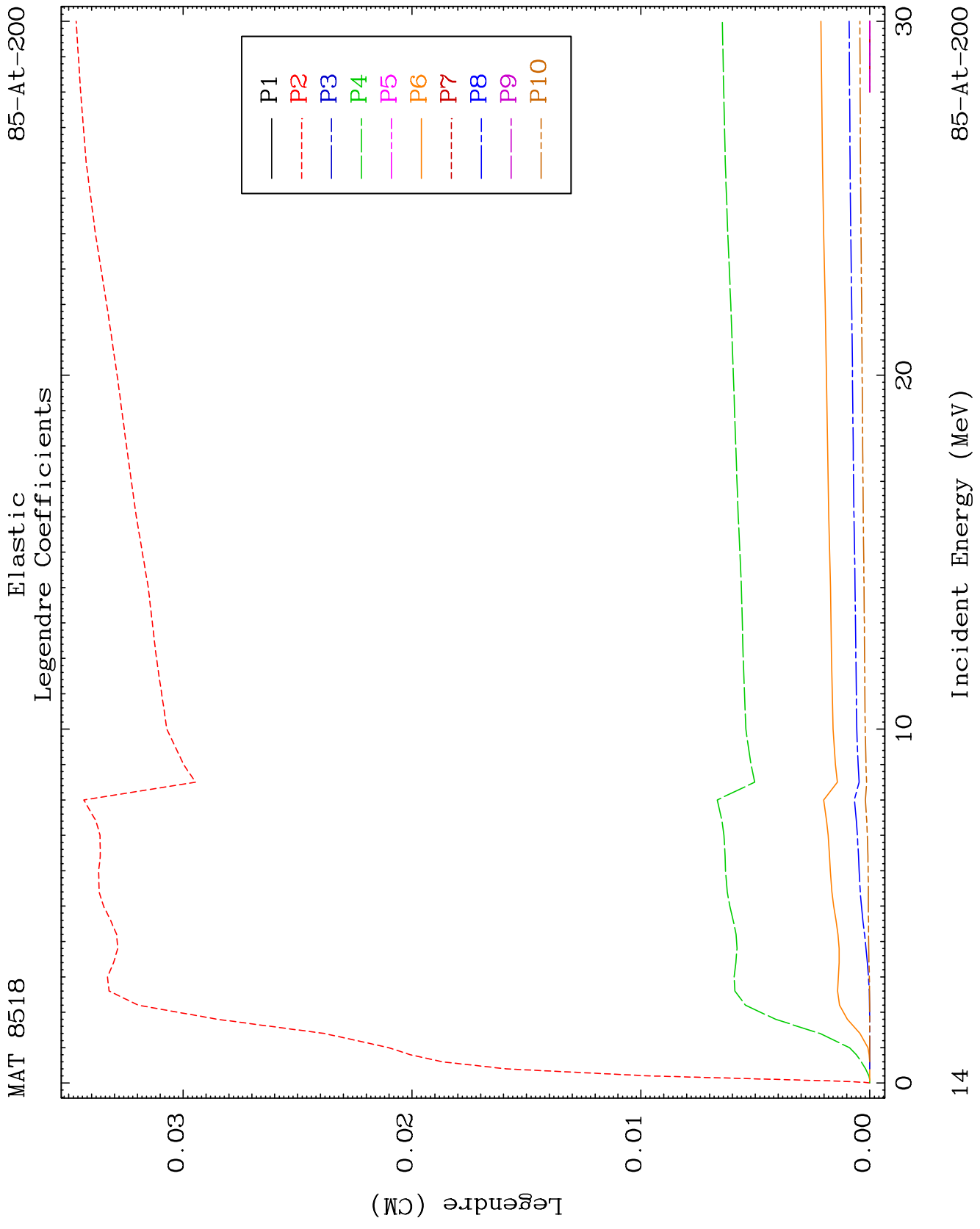
MAT 8518

(n,α) Levels
293 Kelvin Cross Sections

85-At-200



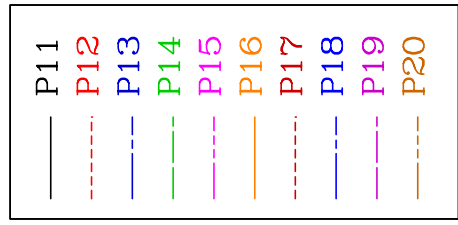




MAT 8518

Elastic Legendre Coefficients

85-At-200



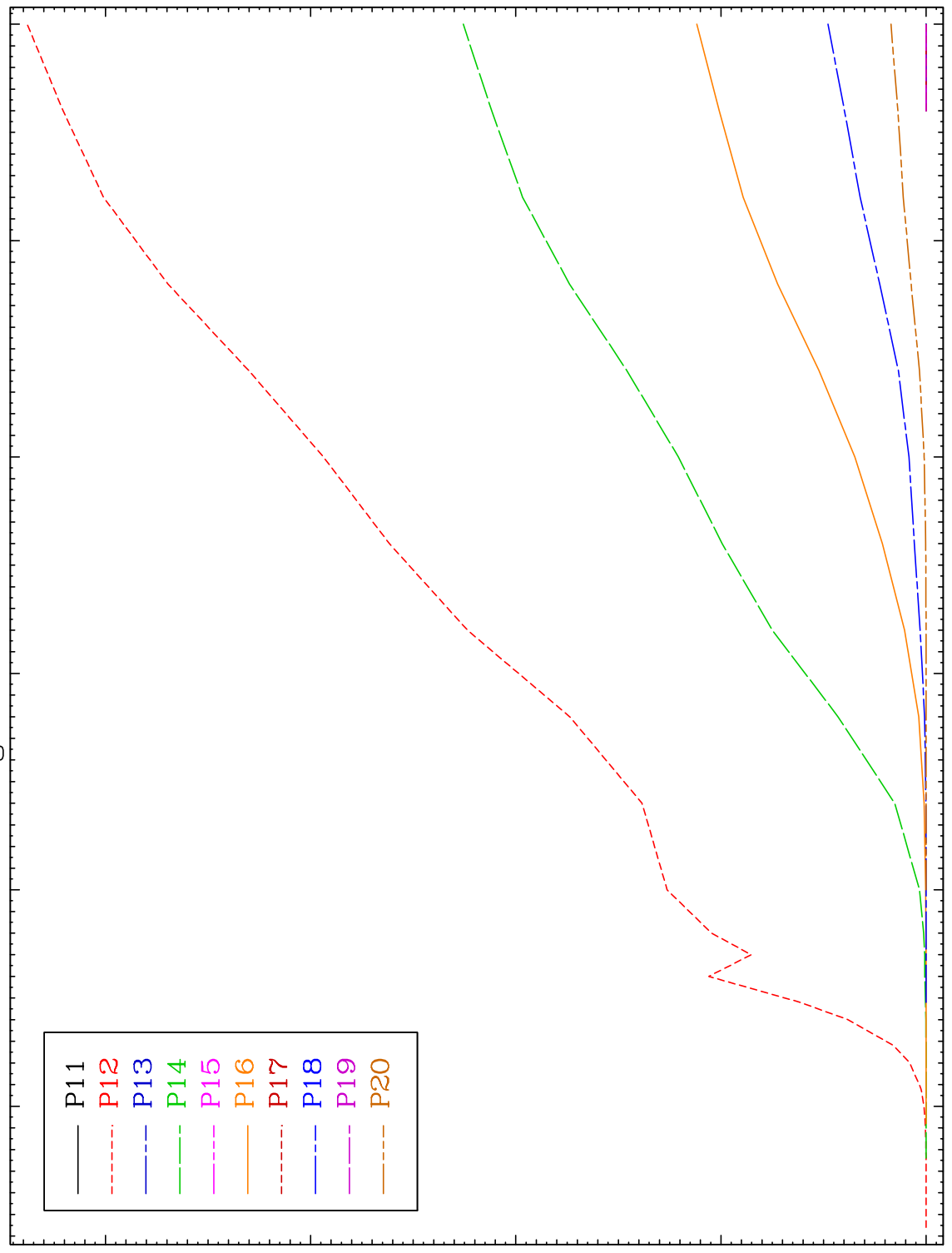
$\times 10^{-4}$
2.0
1.5
1.0
0.5
0.0

Legendre (CM)

15

Incident Energy (MeV)

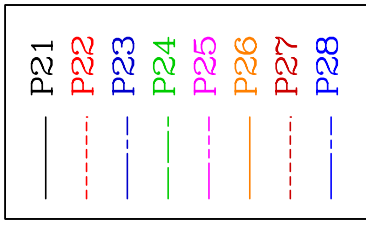
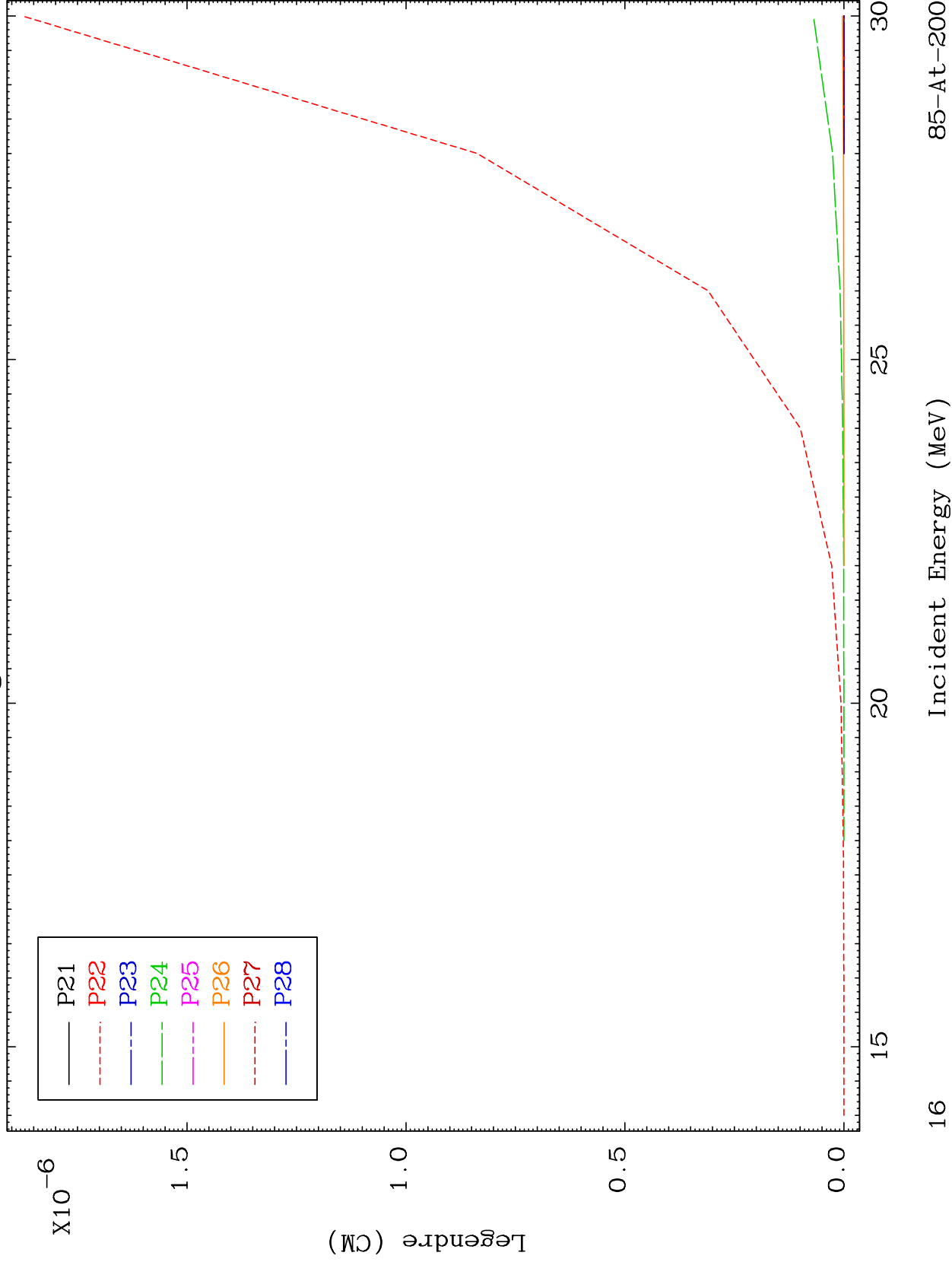
85-At-200



MAT 8518

Elastic
Legendre Coefficients

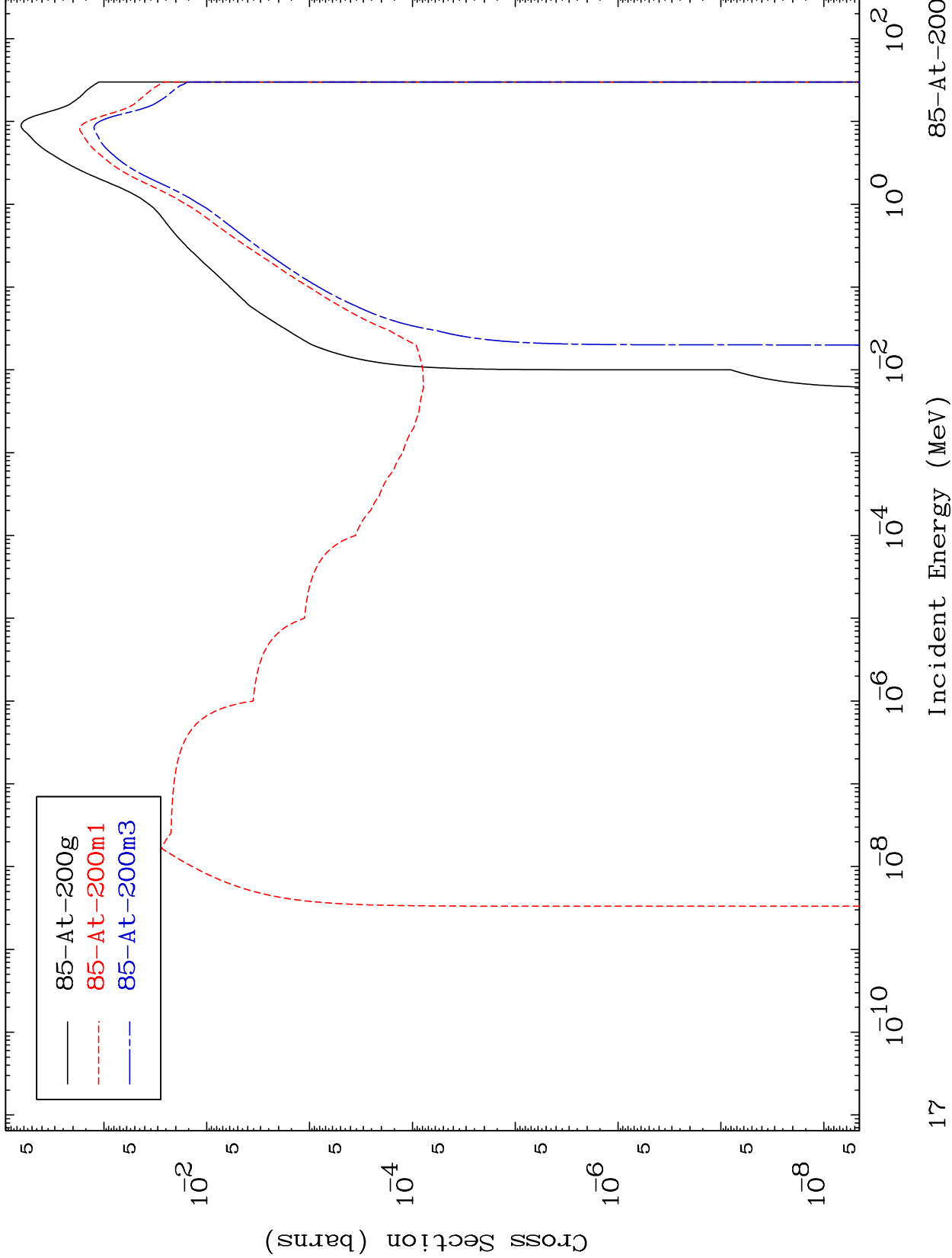
85-At-200



MAT 8518

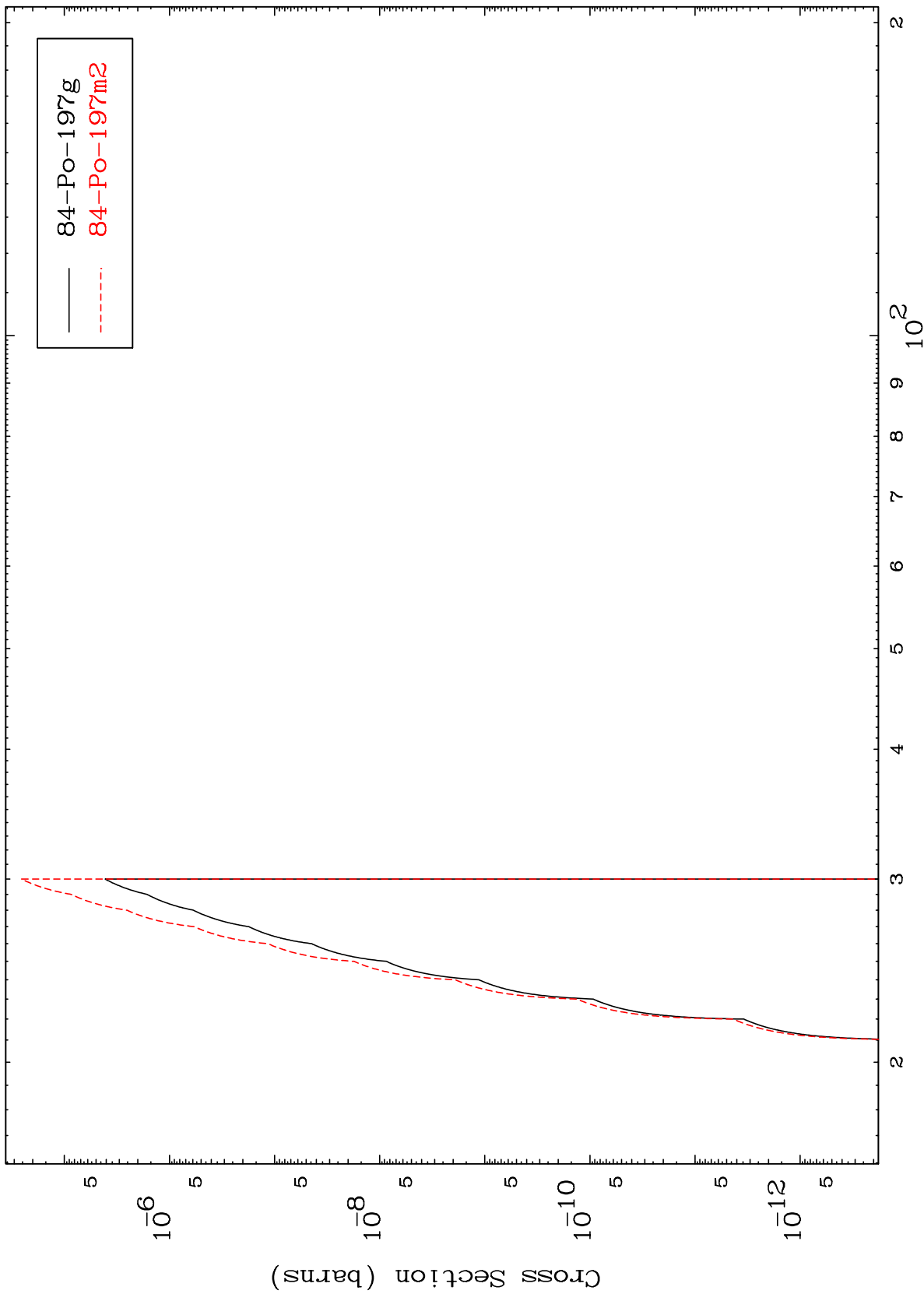
Inelastic
Radionuclide Production Cross Section

85-At-200



85-At-200

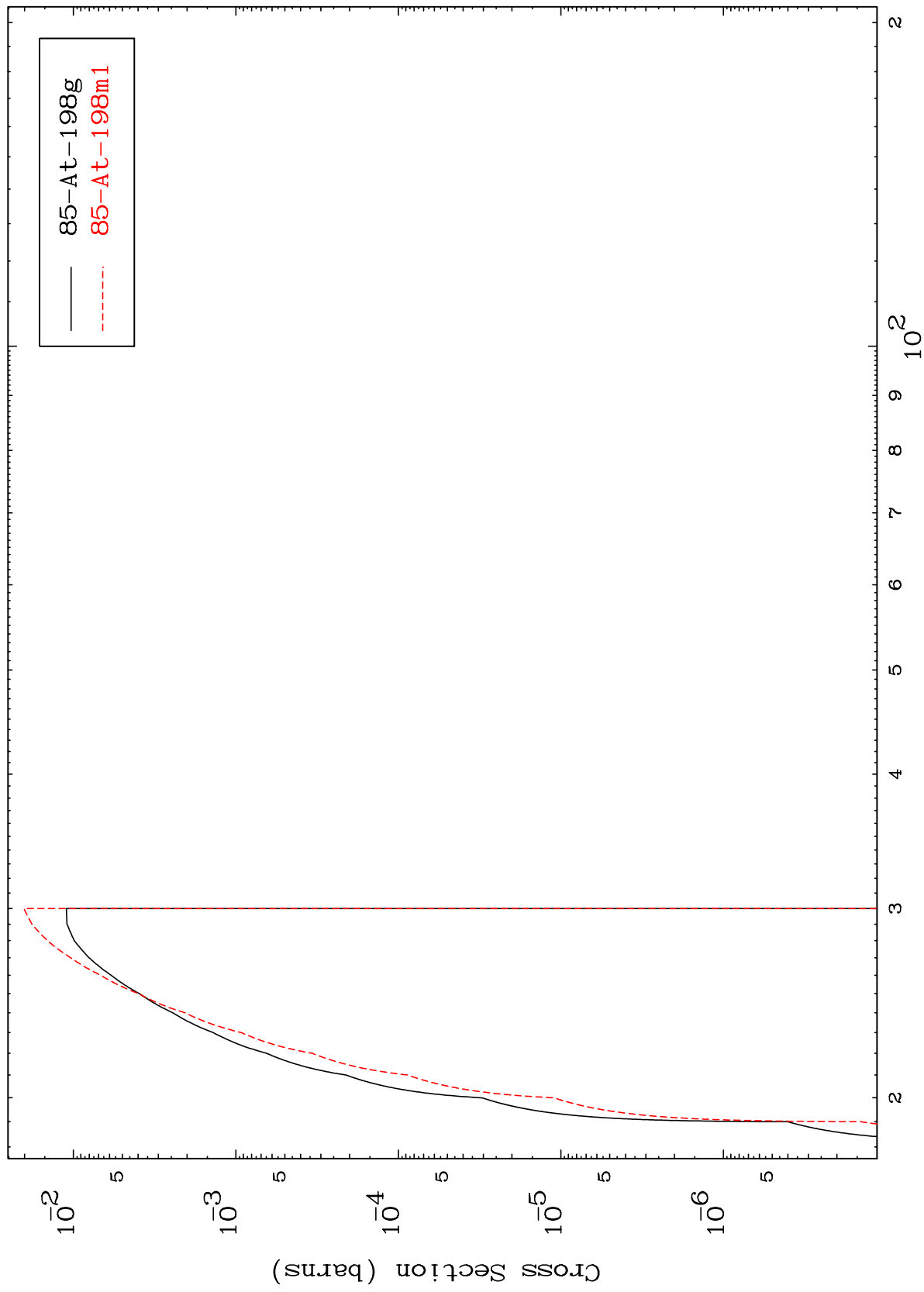
Radionuclide Production Cross Section



MAT 8518

85-At-200

(n,3n)
Radionuclide Production Cross Section



19

Incident Energy (MeV)

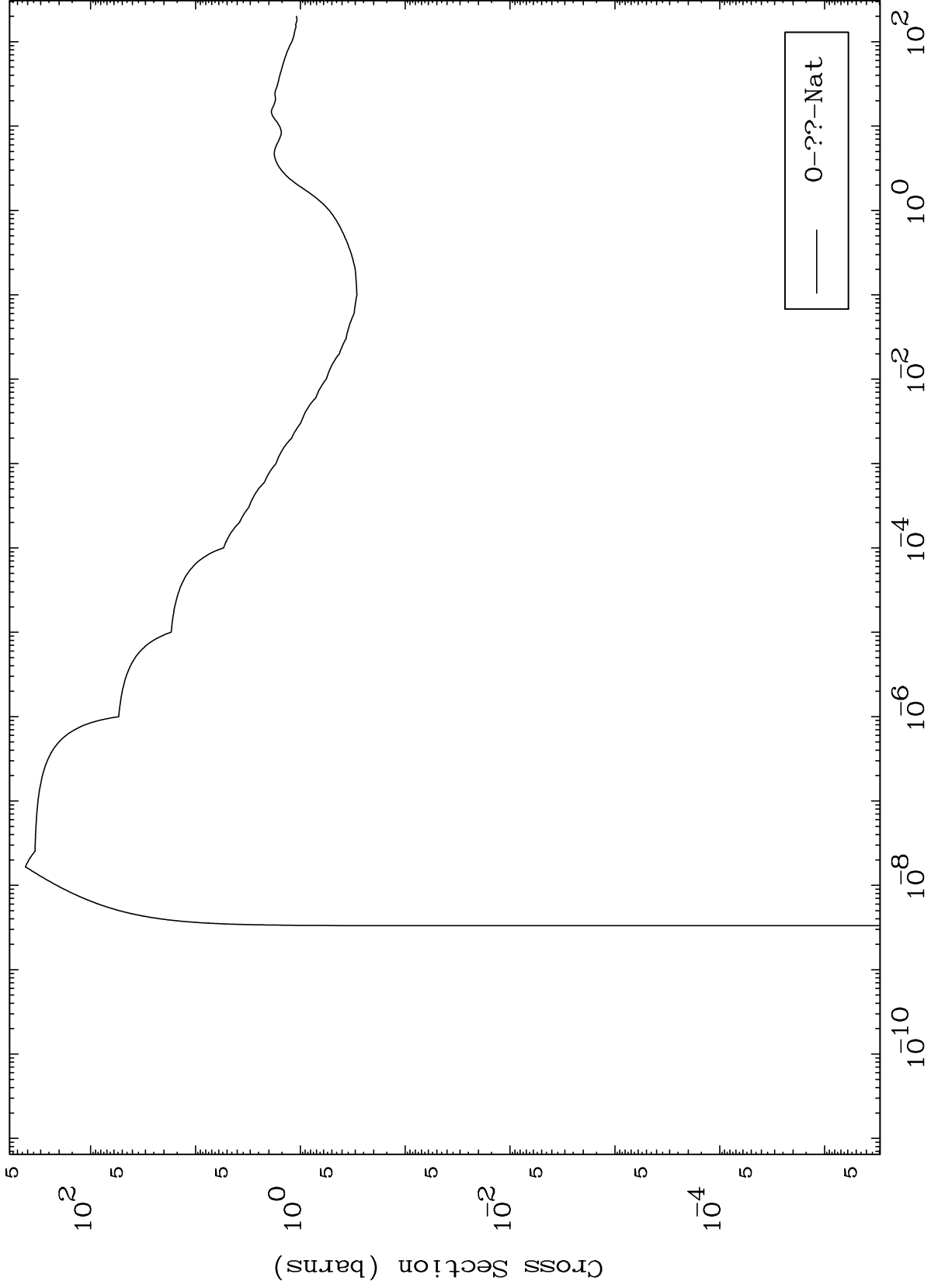
85-At-200

MAT 8518

Fission

85-At-200

Radionuclide Production Cross Section



20

Incident Energy (MeV)

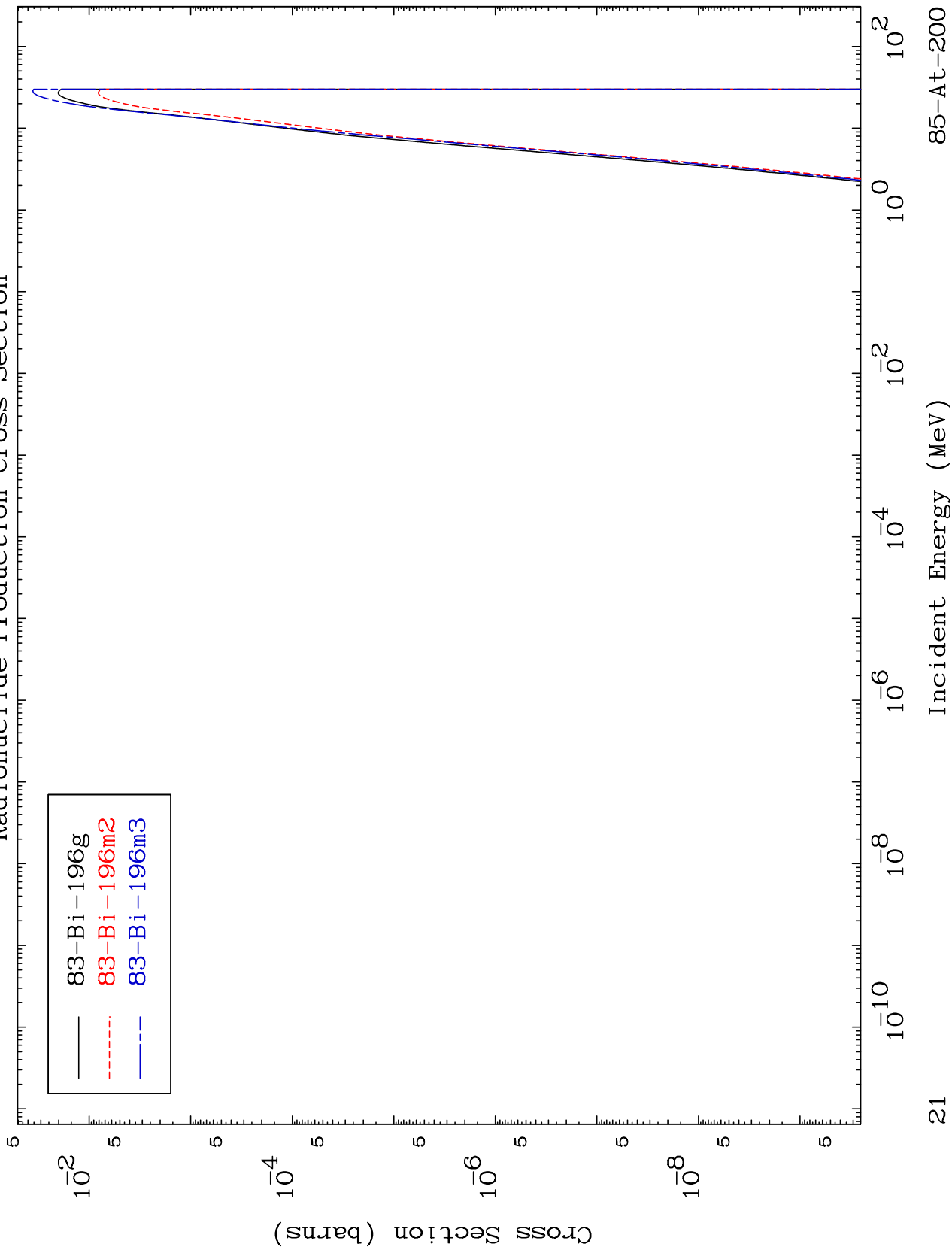
85-At-200

MAT 8518

$(n, n') \alpha$

85-At-200

Radionuclide Production Cross Section

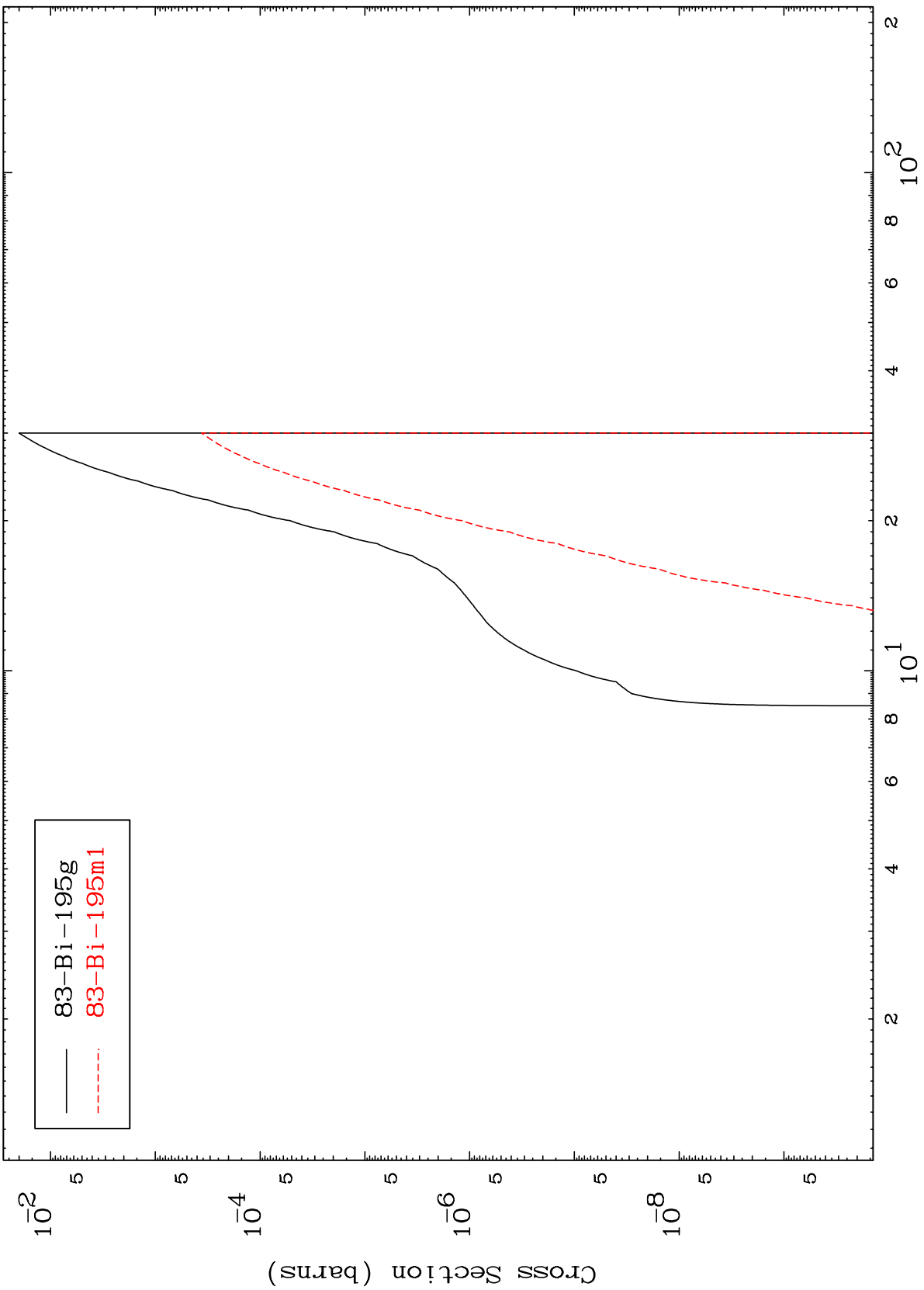


MAT 8518

(n,2n) α

85-At-200

Radionuclide Production Cross Section

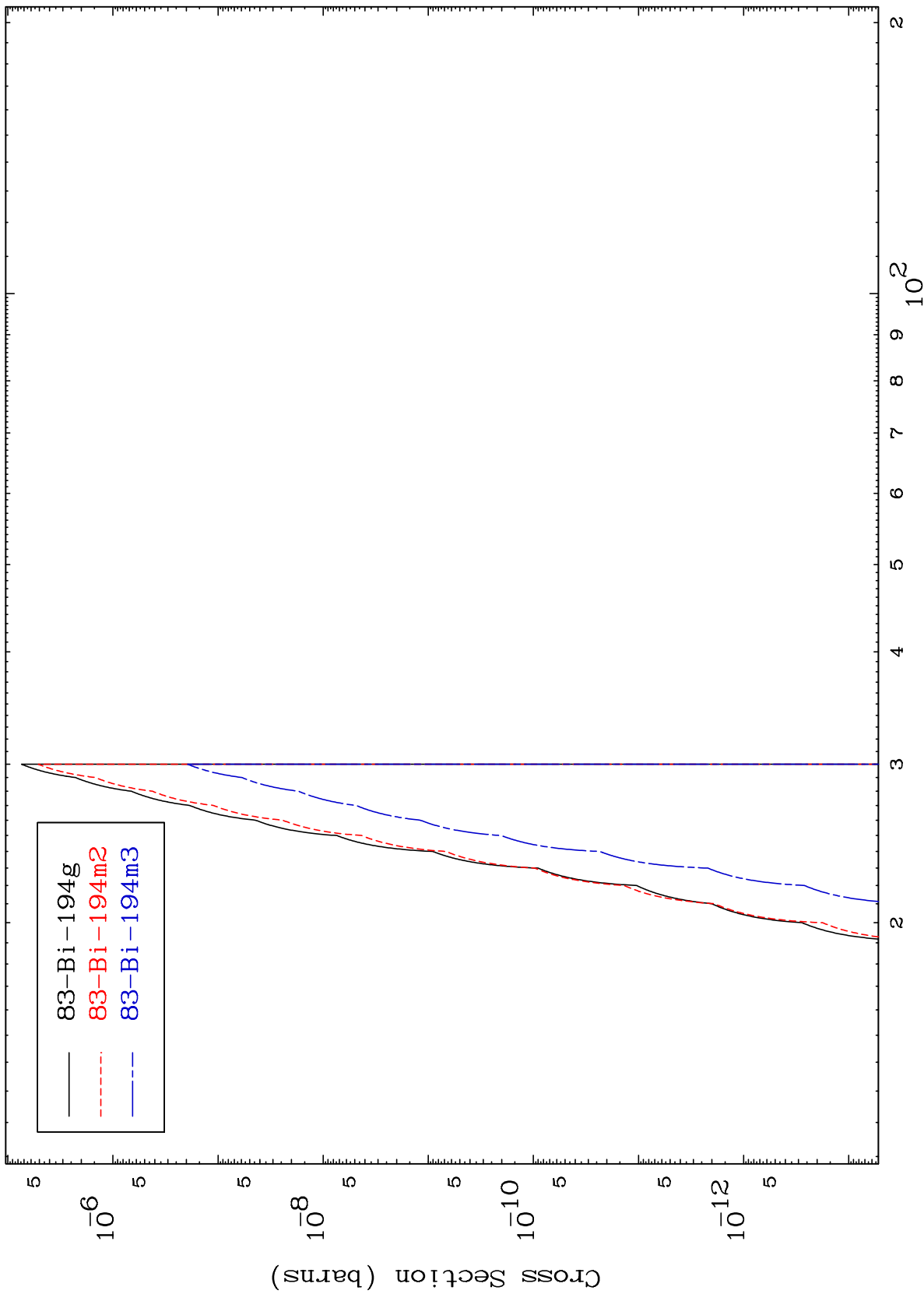


MAT 8518

(n,3n) α

85-At-200

Radionuclide Production Cross Section



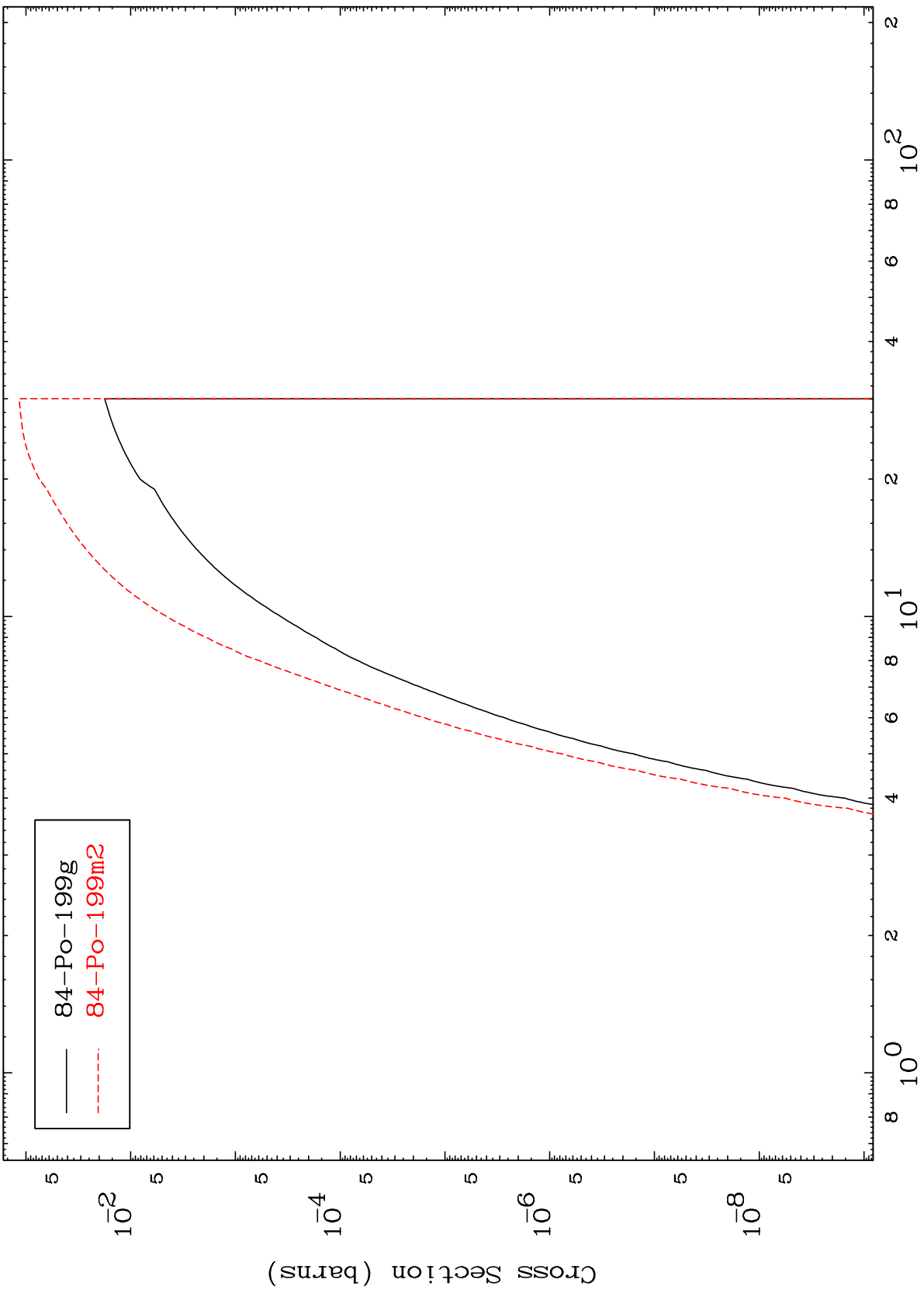
83-Bi-194g
83-Bi-194m2
83-Bi-194m3

MAT 8518

(n,n') p

85-At-200

Radionuclide Production Cross Section



24

Incident Energy (MeV)

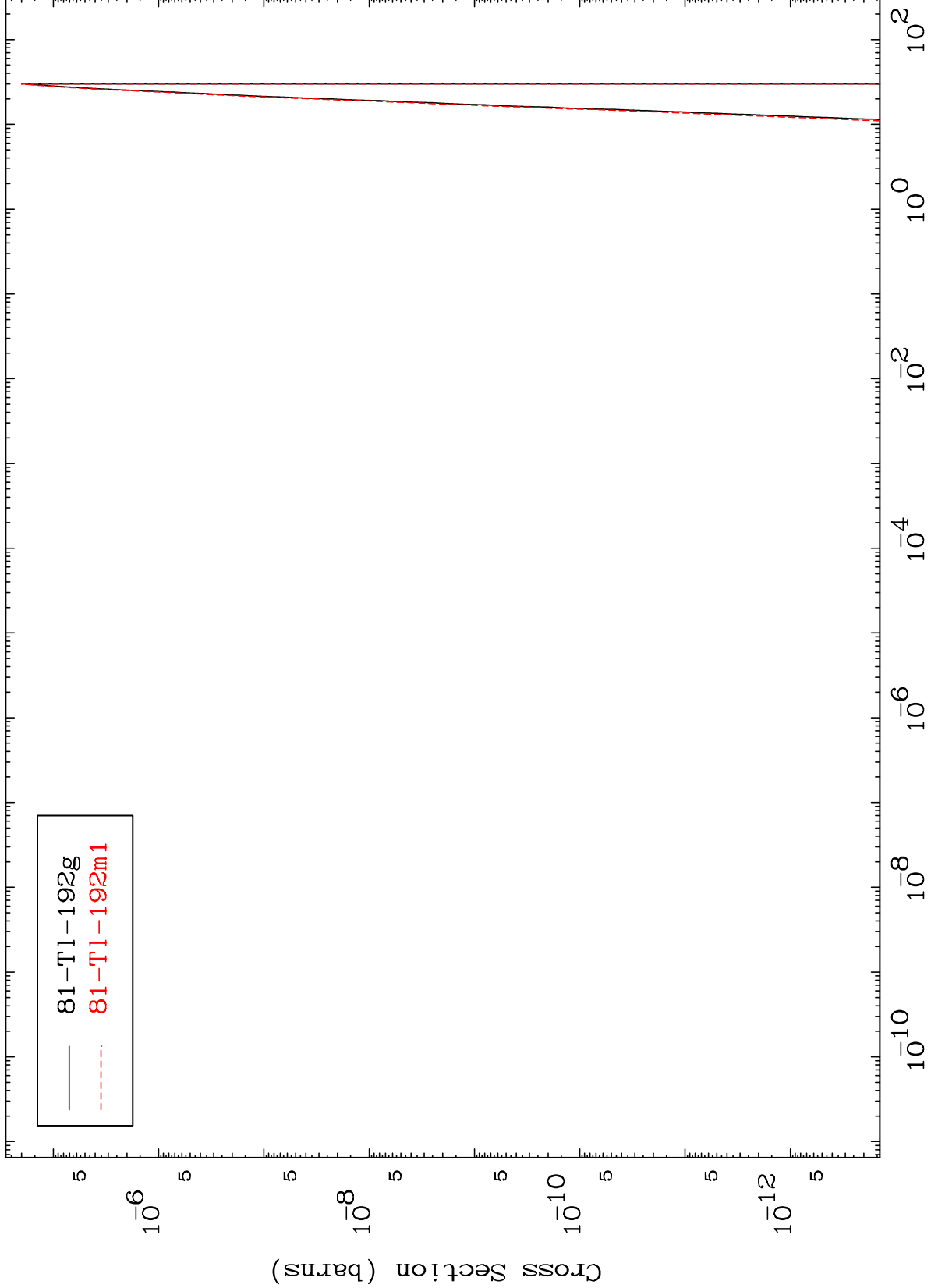
85-At-200

MAT 8518

(n,n') 2 α

85-At-200

Radionuclide Production Cross Section



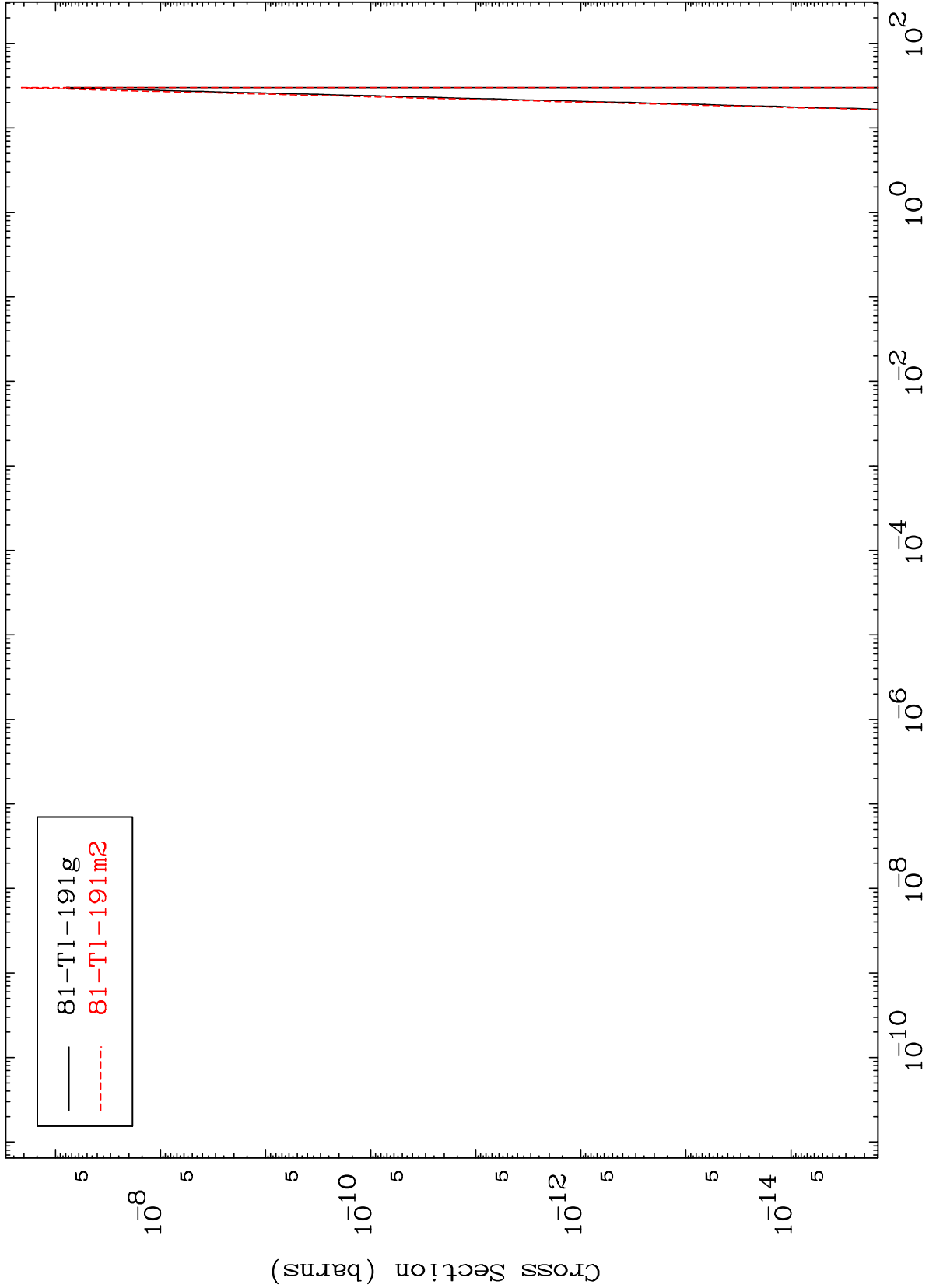
81-Tl-192g
81-Tl-192m1

MAT 8518

(n,2n) 2α

85-At-200

Radionuclide Production Cross Section

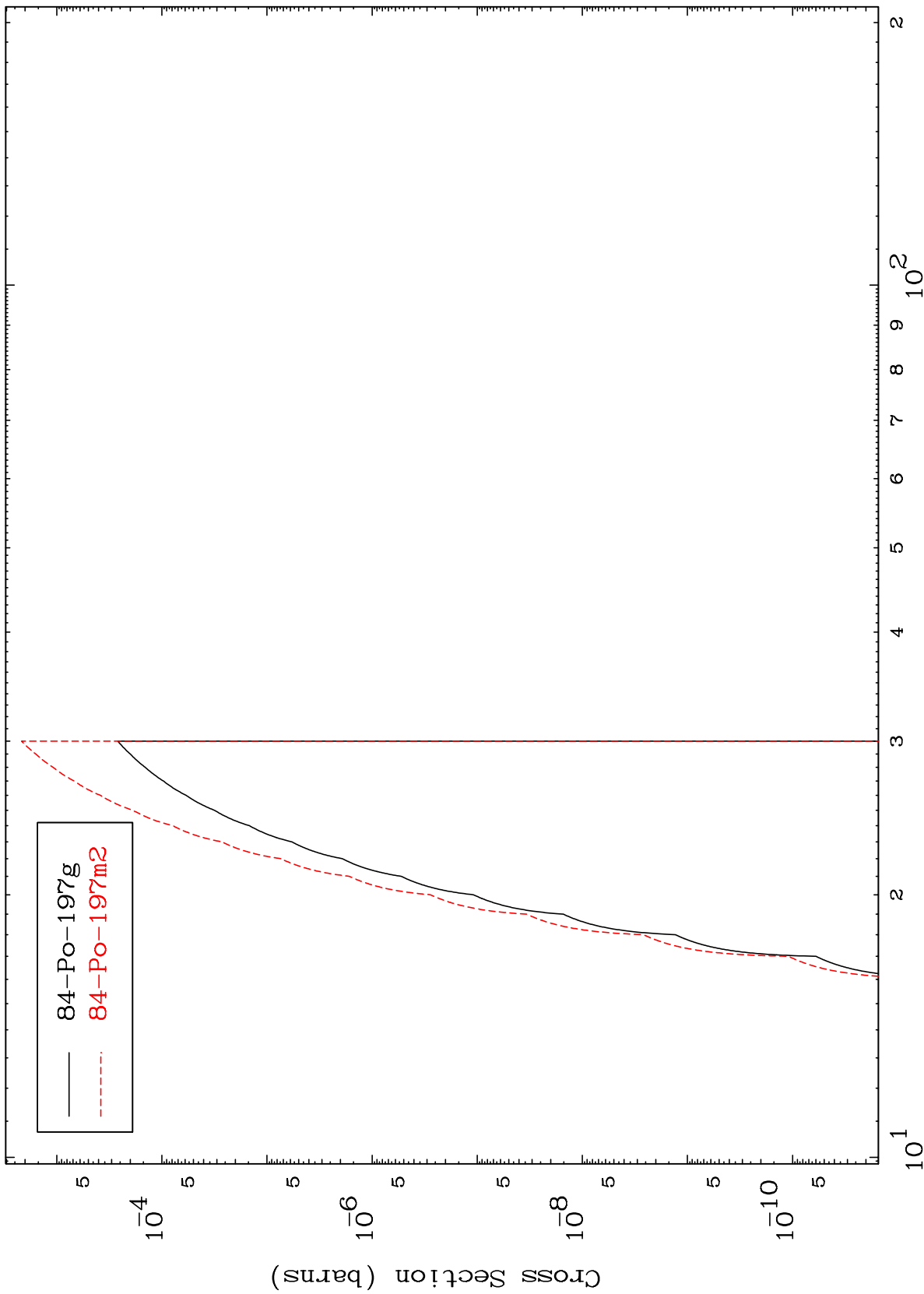


MAT 8518

(n,n') t

85-At-200

Radionuclide Production Cross Section



27

Incident Energy (MeV)

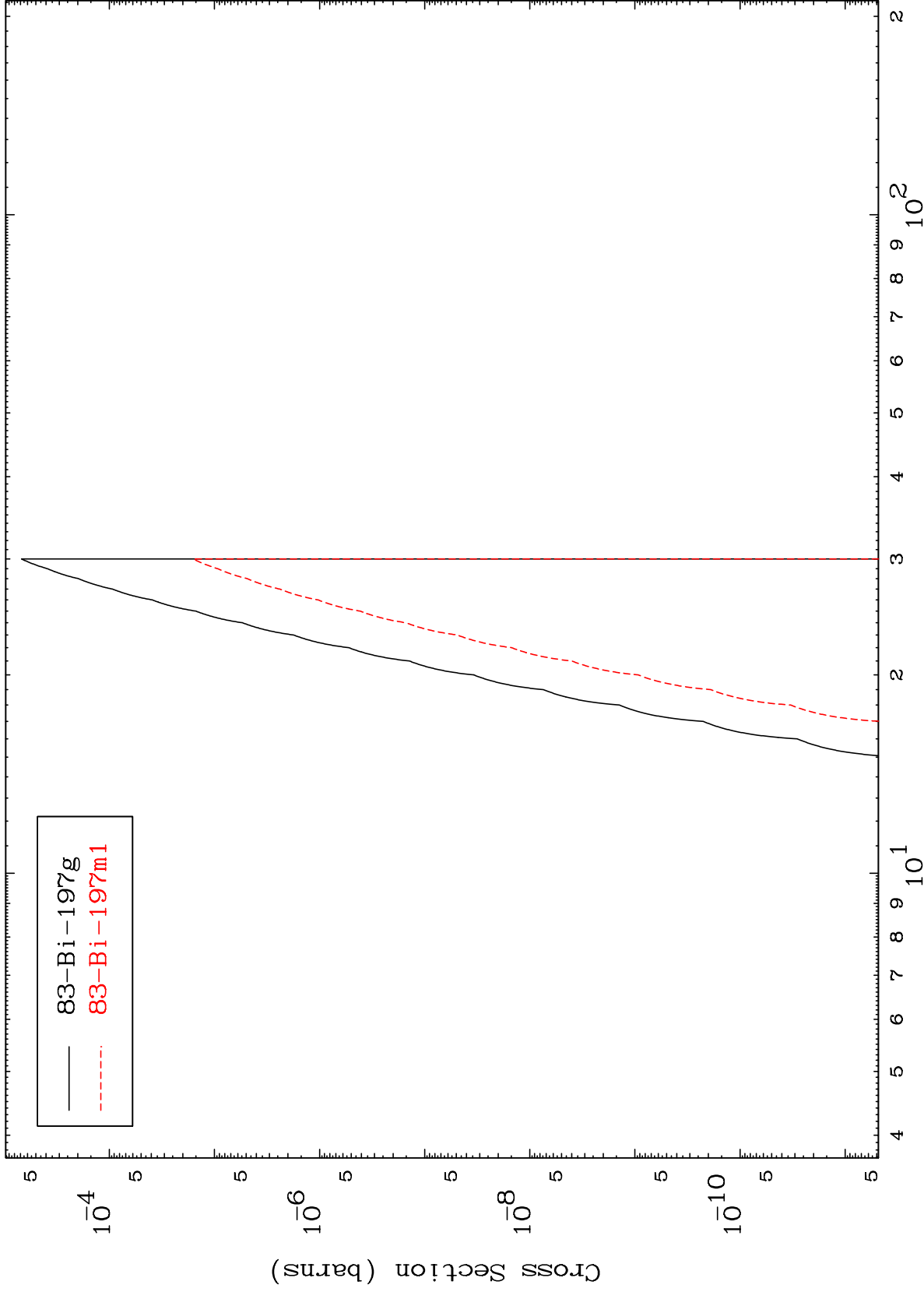
85-At-200

MAT 8518

(n,n') He-3

85-At-200

Radionuclide Production Cross Section



28

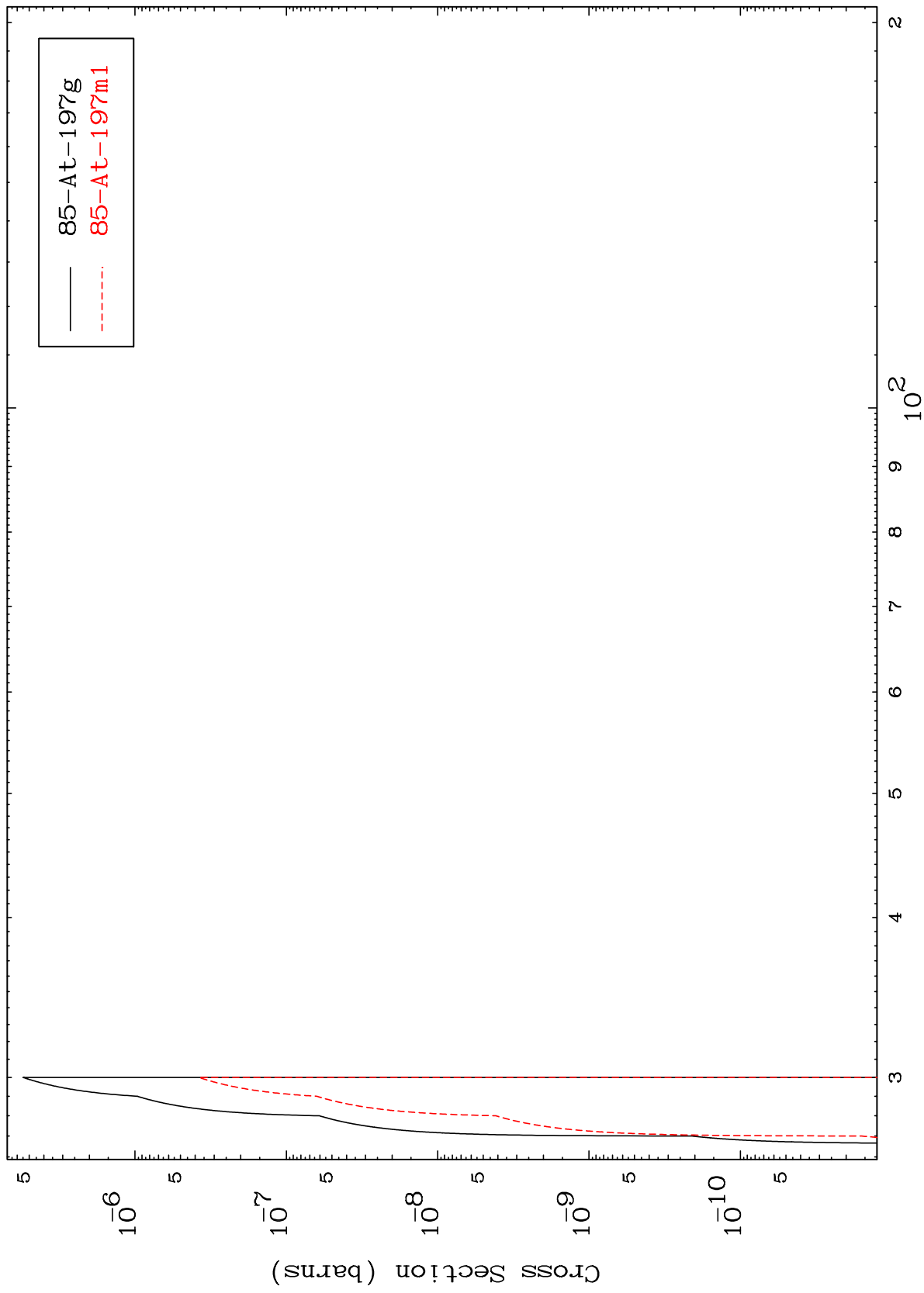
Incident Energy (MeV)

85-At-200

MAT 8518

85-At-200

(n,4n)
Radionuclide Production Cross Section



29

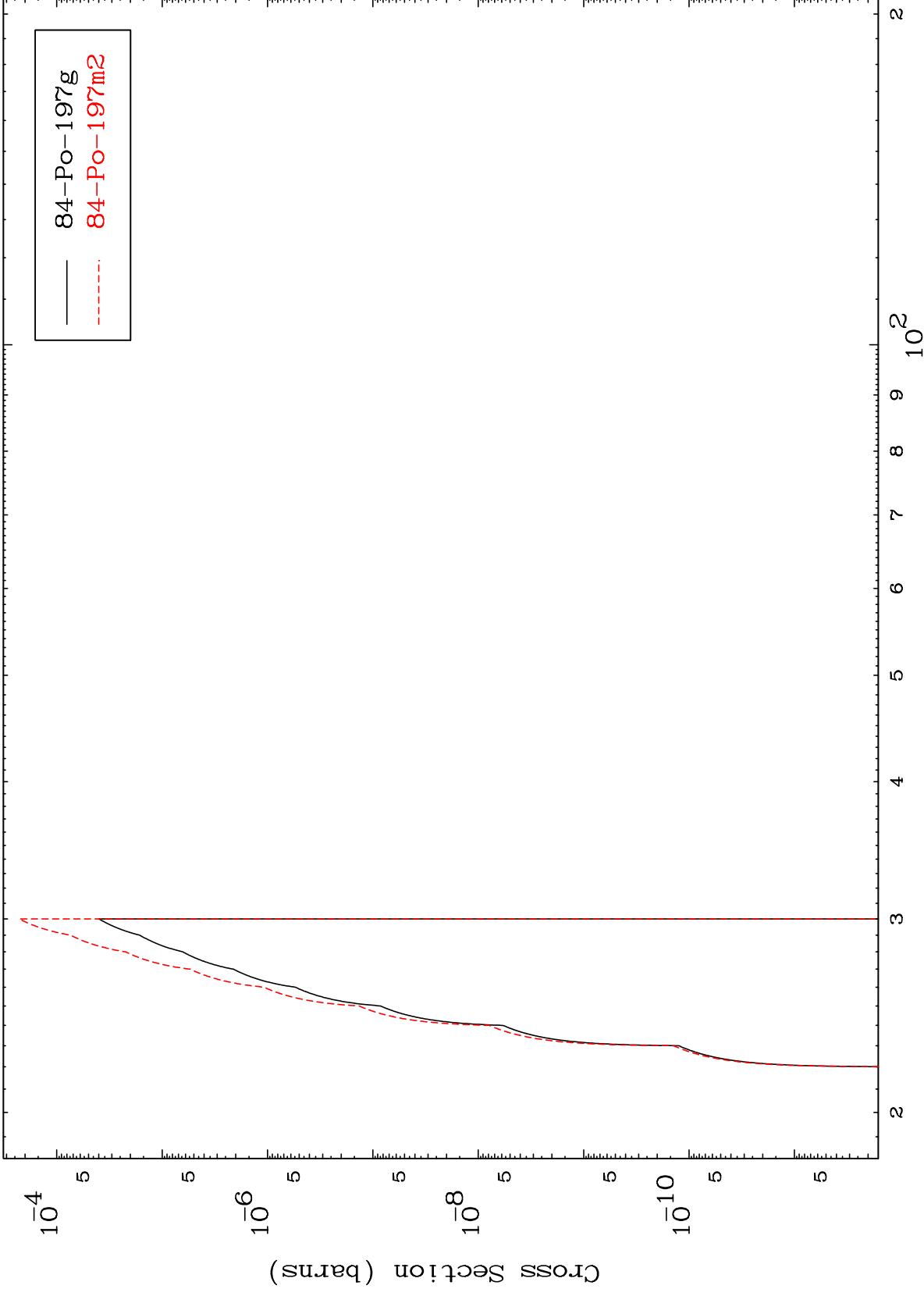
85-At-200

MAT 8518

(n,3n) p

85-At-200

Radionuclide Production Cross Section



30

Incident Energy (MeV)

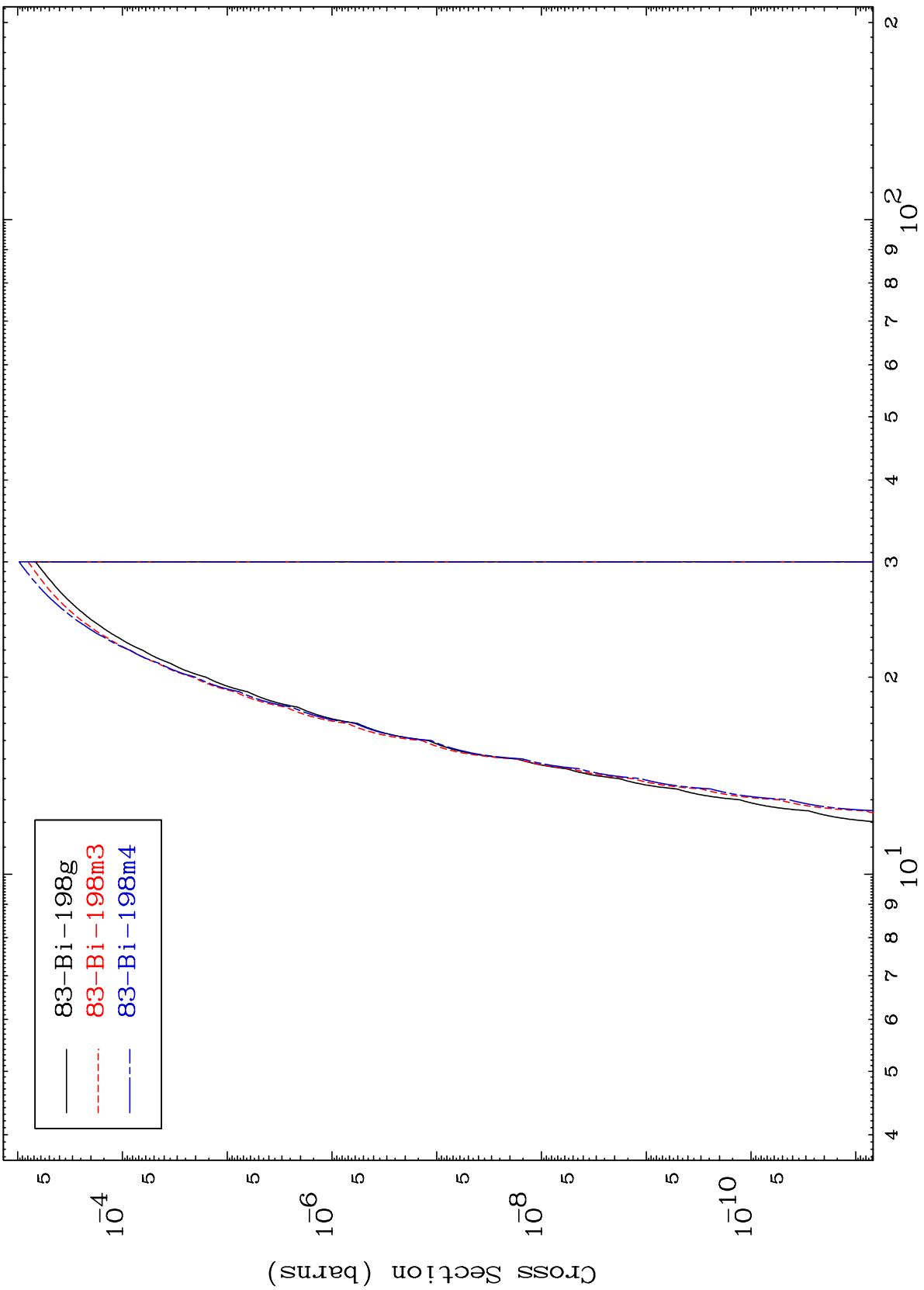
85-At-200

MAT 8518

(n,2n) p

85-At-200

Radionuclide Production Cross Section



31

Incident Energy (MeV)

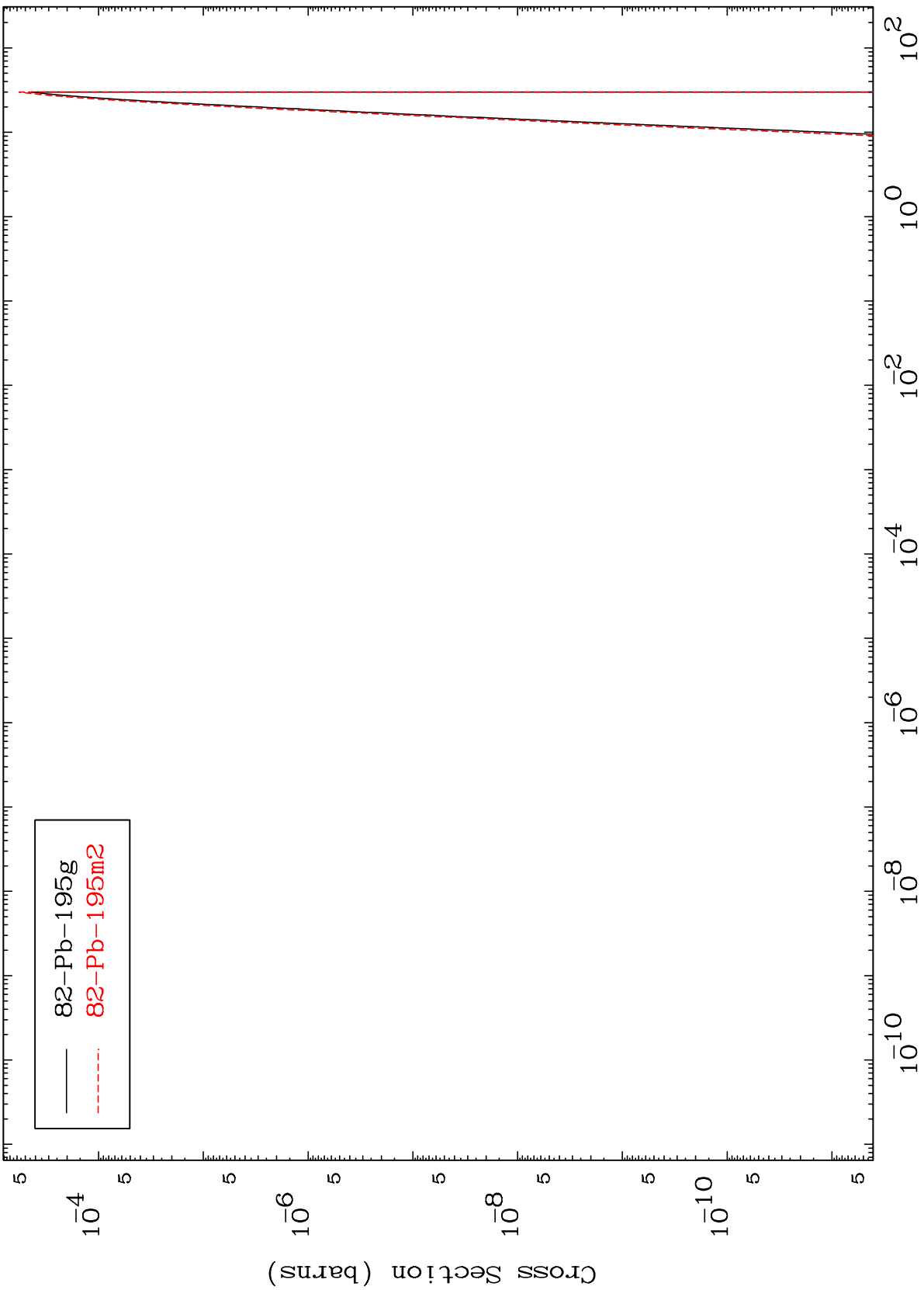
85-At-200

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

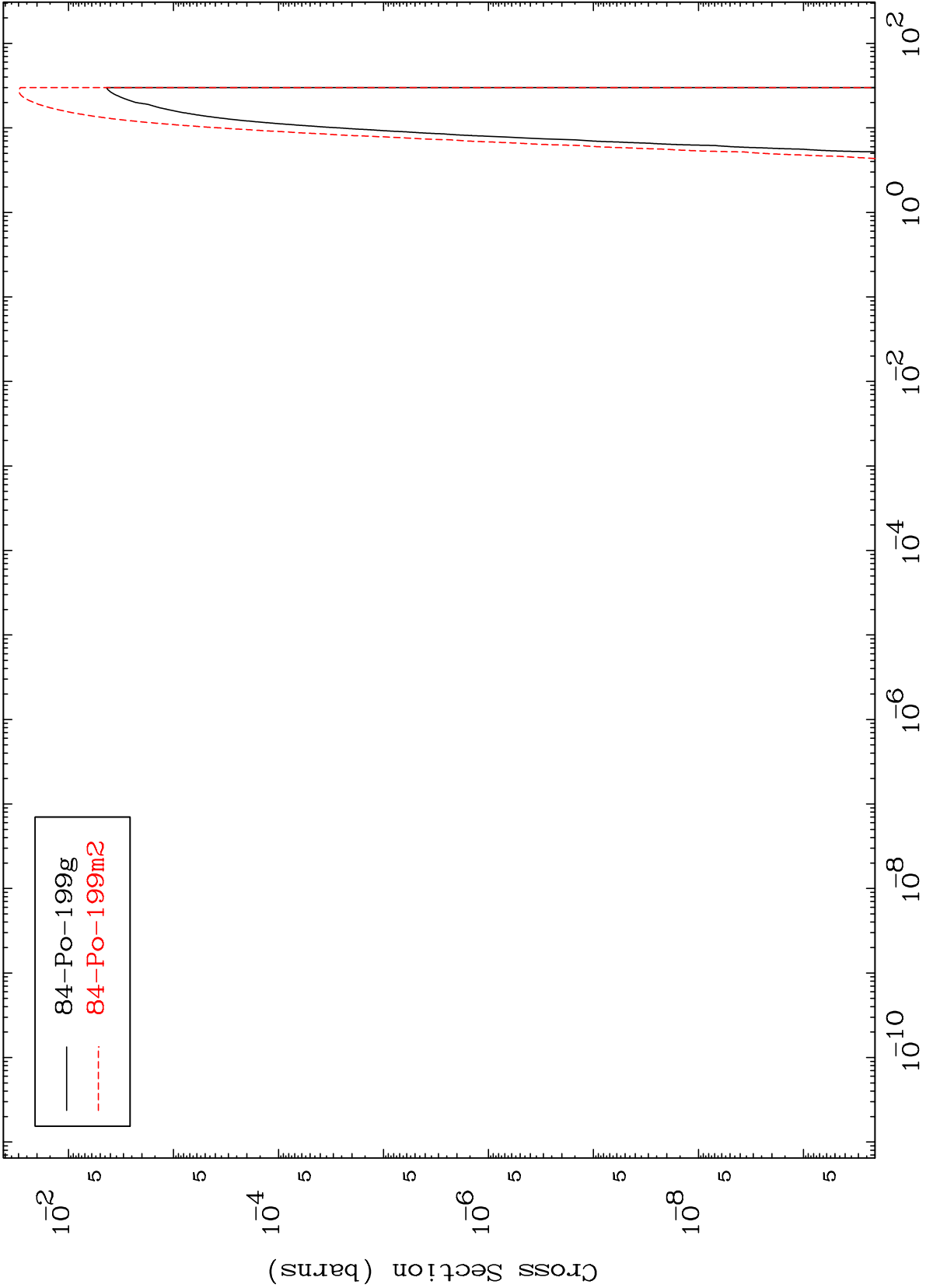
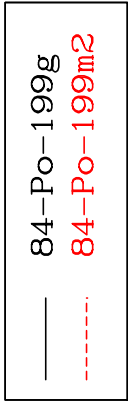
32

MAT 8518

(n,d)

85-At-200

Radionuclide Production Cross Section

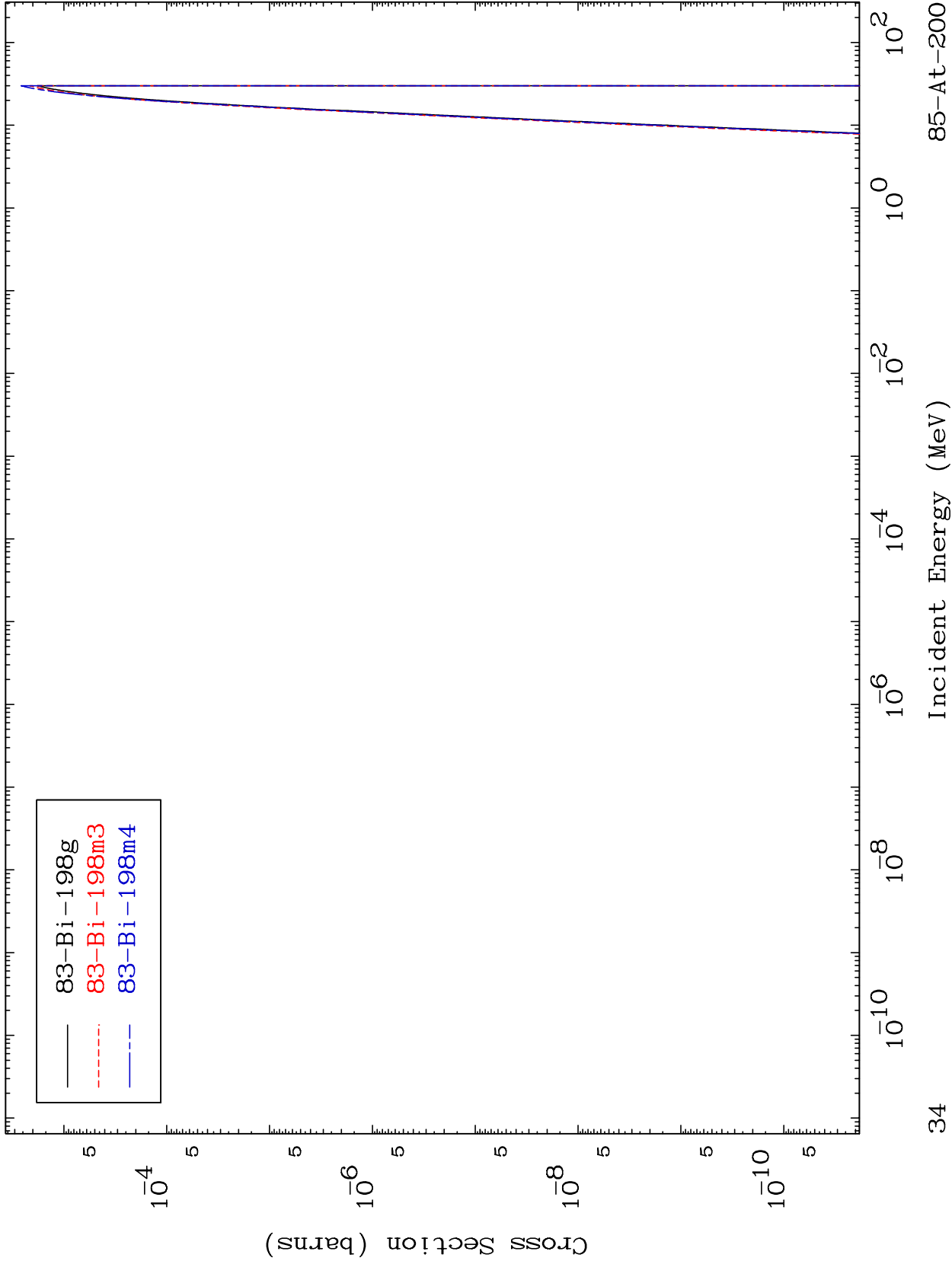


33

Incident Energy (MeV)

85-At-200

Radionuclide Production Cross Section

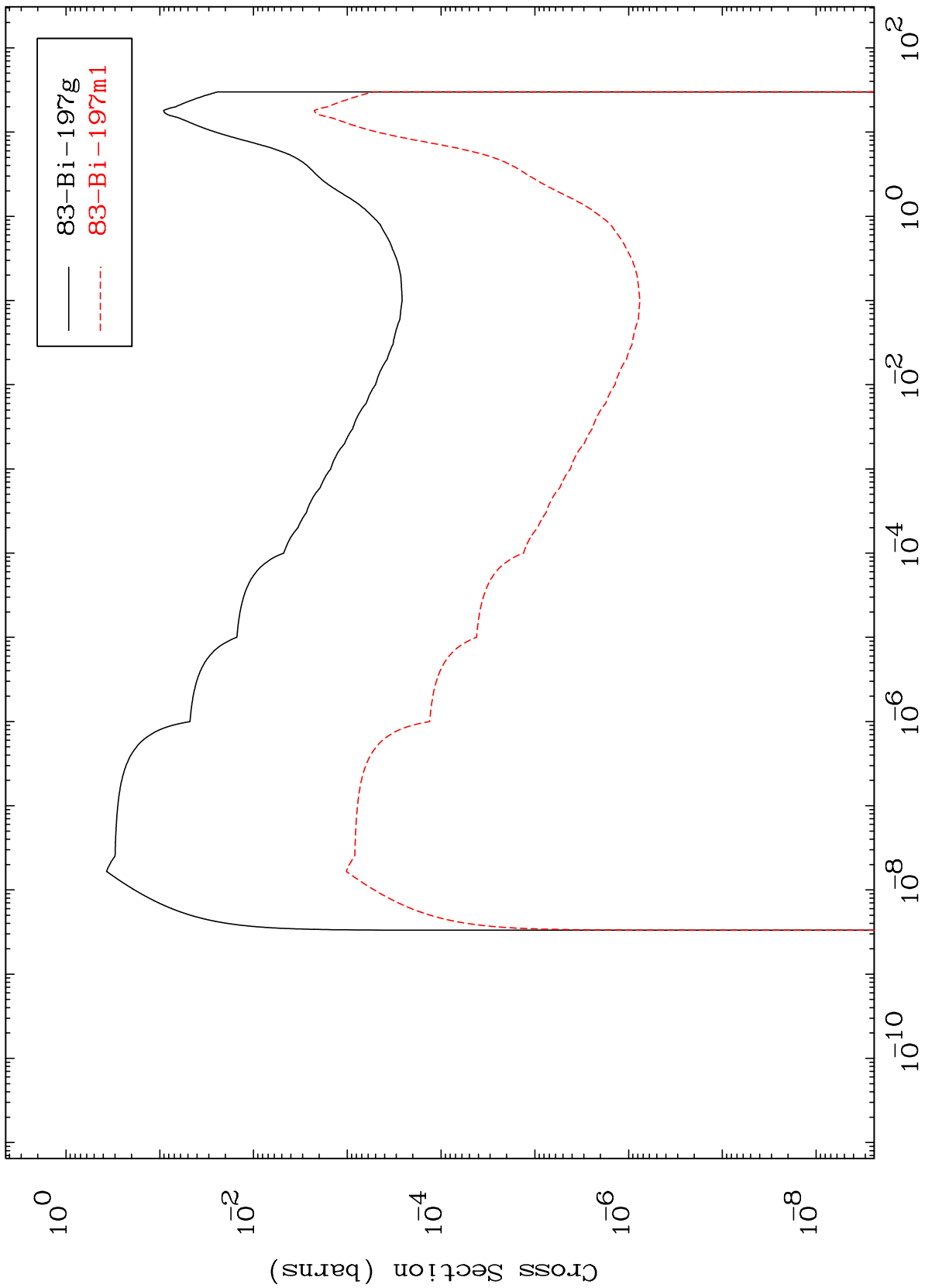


83-Bi-198g
83-Bi-198m3
83-Bi-198m4

MAT 8518

85-At-200

(n, α)
Radionuclide Production Cross Section



35

85-At-200

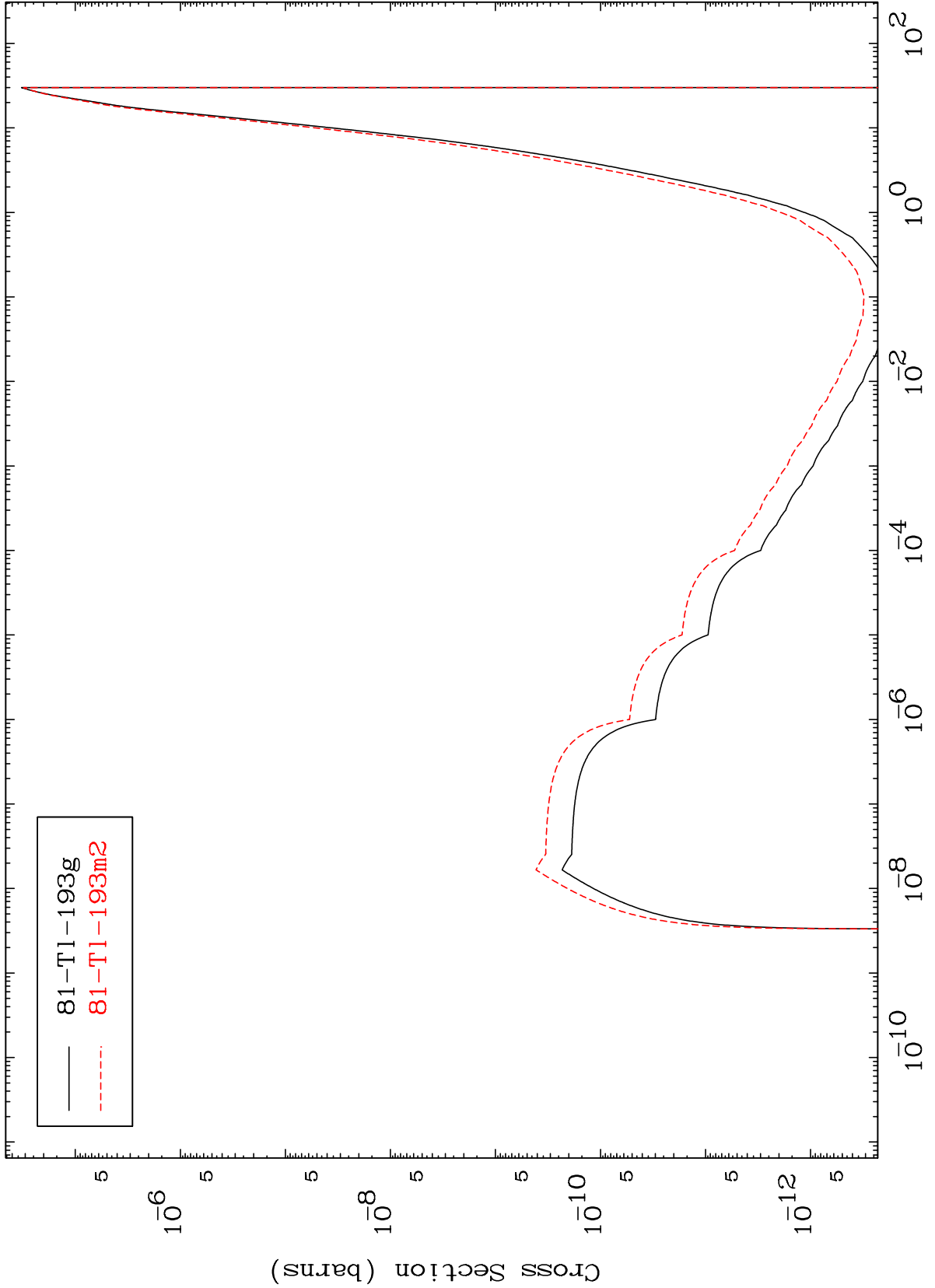
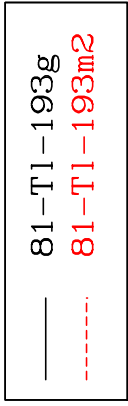
Incident Energy (MeV)

MAT 8518

(n,2α)

85-At-200

Radionuclide Production Cross Section



36

Incident Energy (MeV)

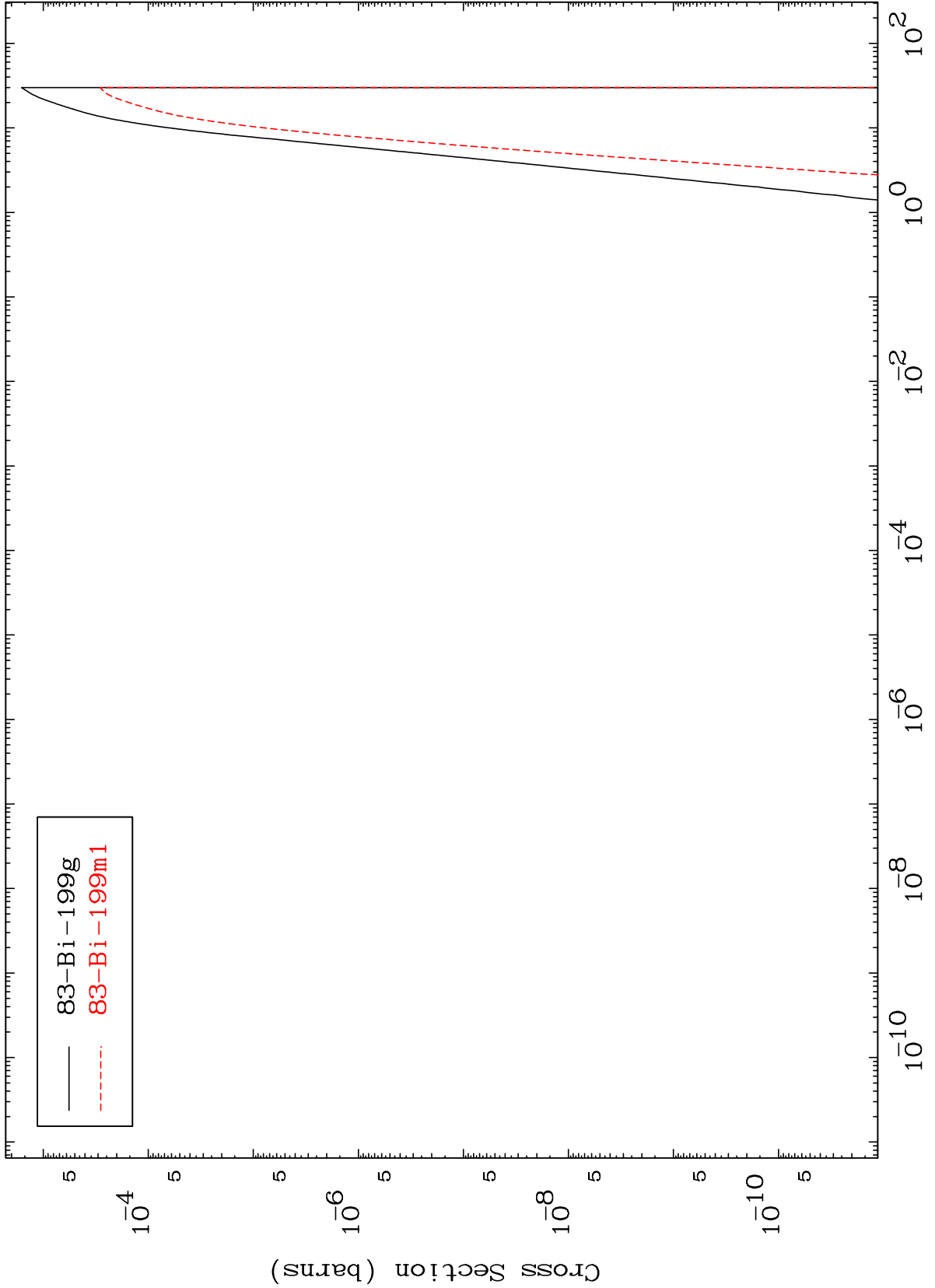
85-At-200

MAT 8518

(n,2p)

85-At-200

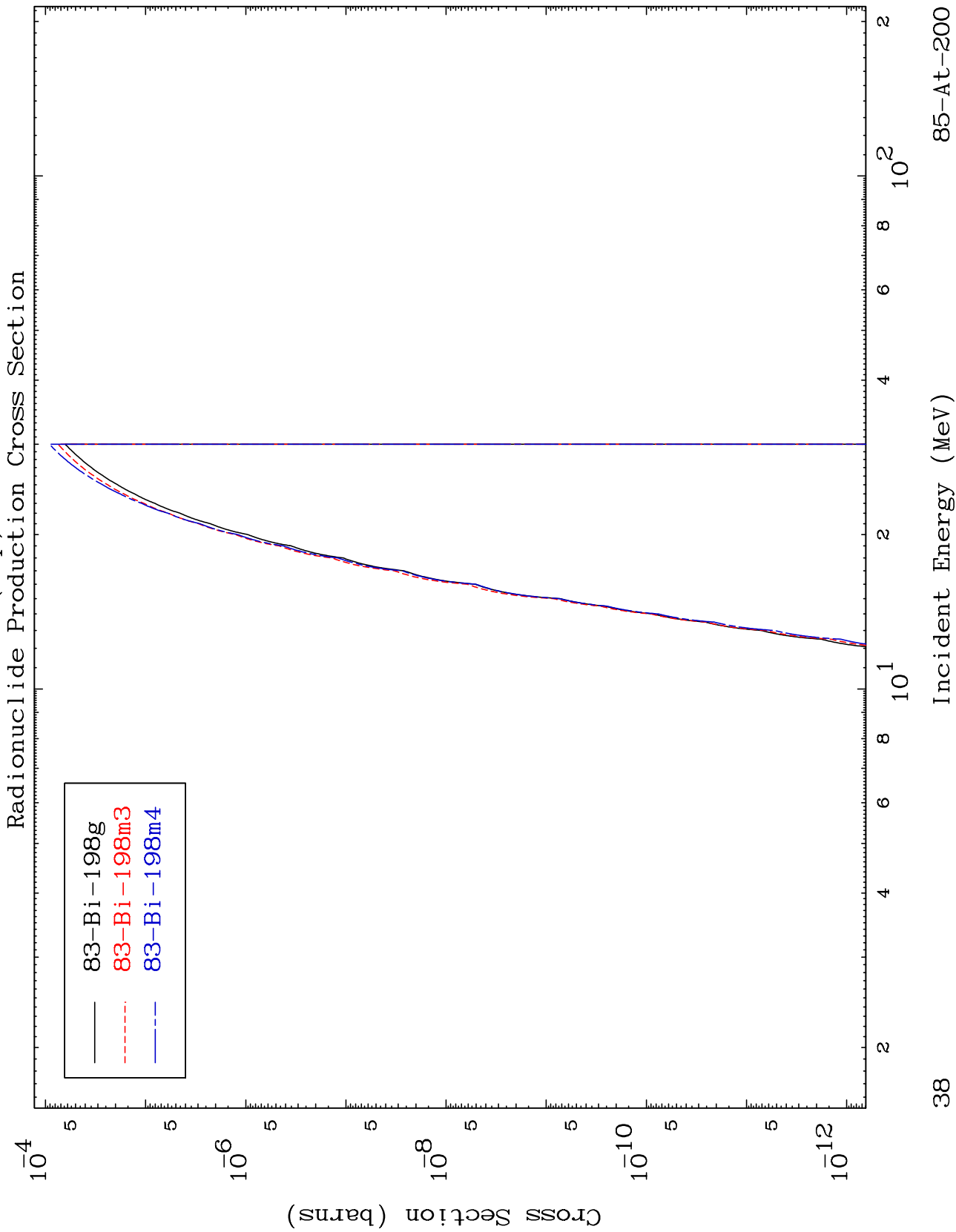
Radionuclide Production Cross Section



MAT 8518

(n,p) d

85-At-200

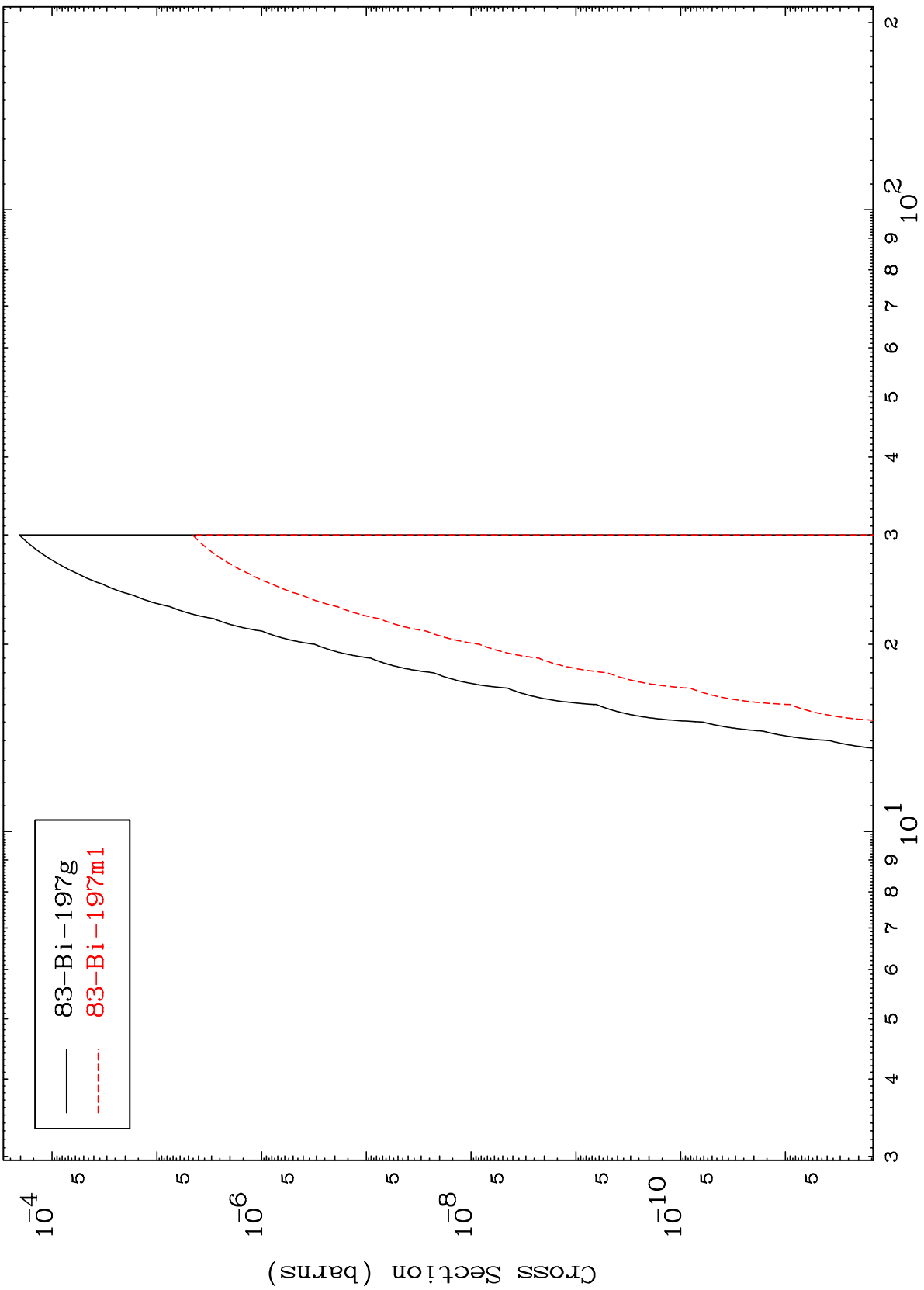


MAT 8518

(n,p) t

85-At-200

Radionuclide Production Cross Section



39

Incident Energy (MeV)

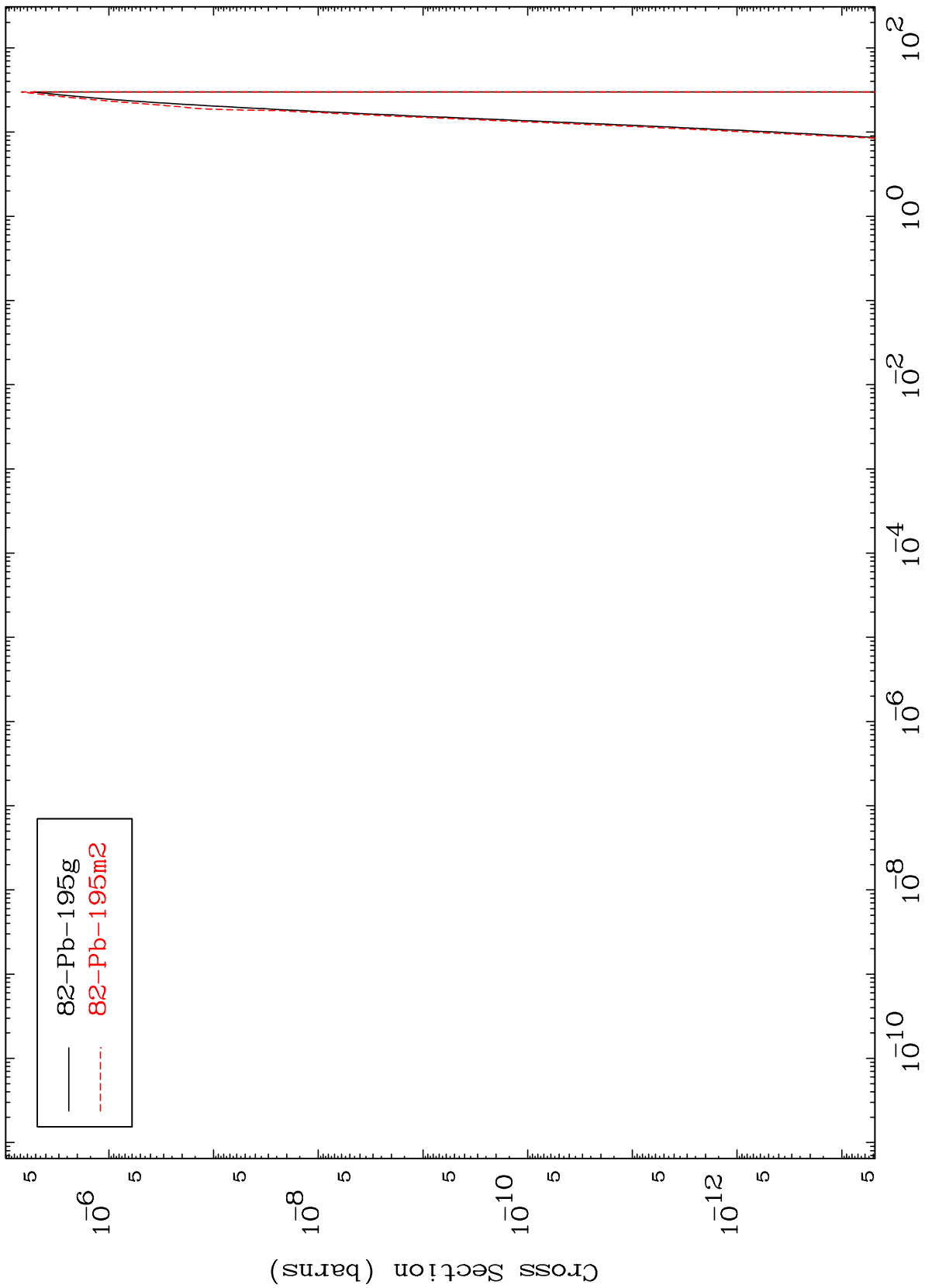
85-At-200

MAT 8518

(n,d) α

85-At-200

Radionuclide Production Cross Section



40

Incident Energy (MeV)

85-At-200