

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

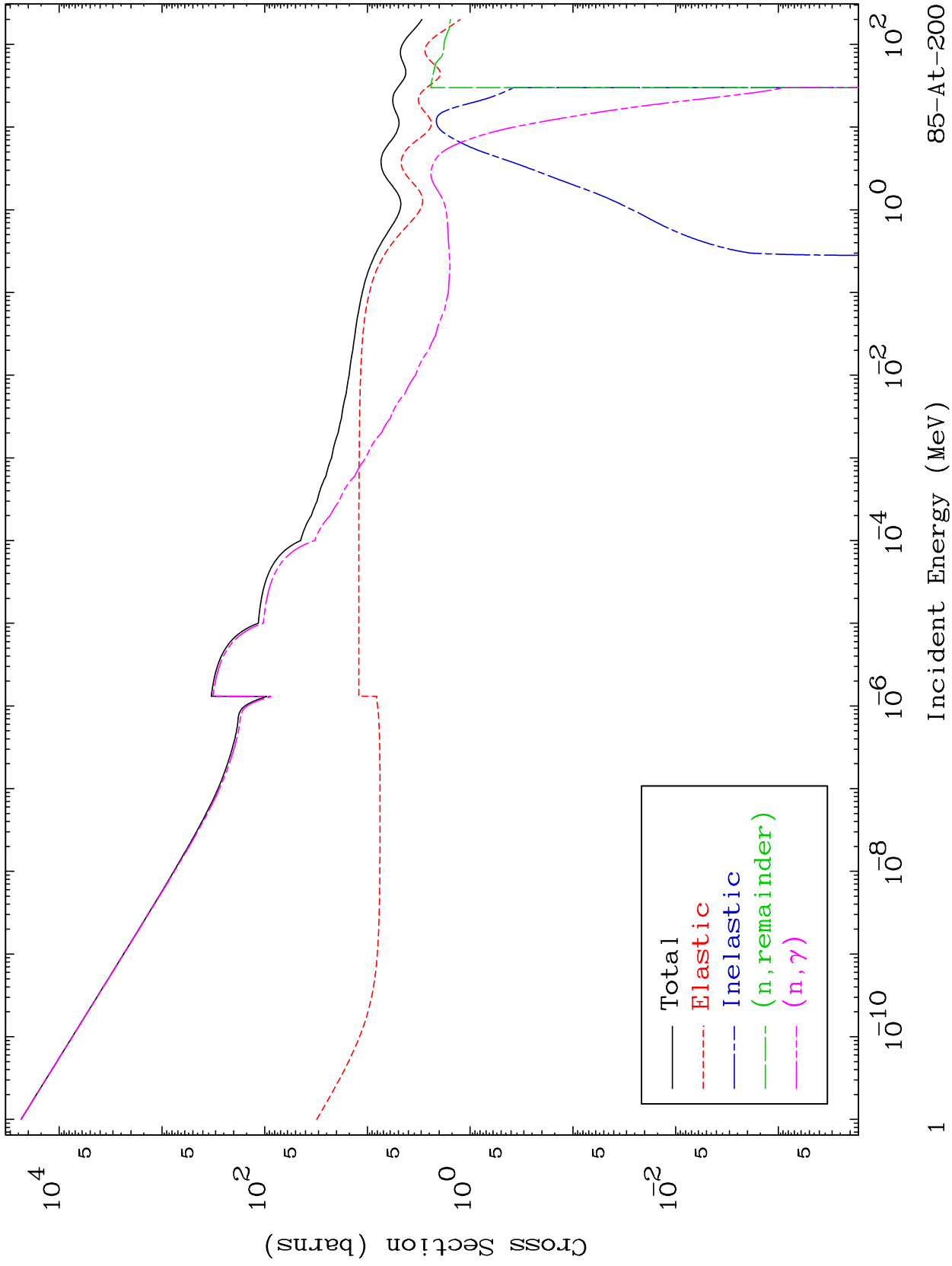
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8517

Major  
293 Kelvin Cross Sections

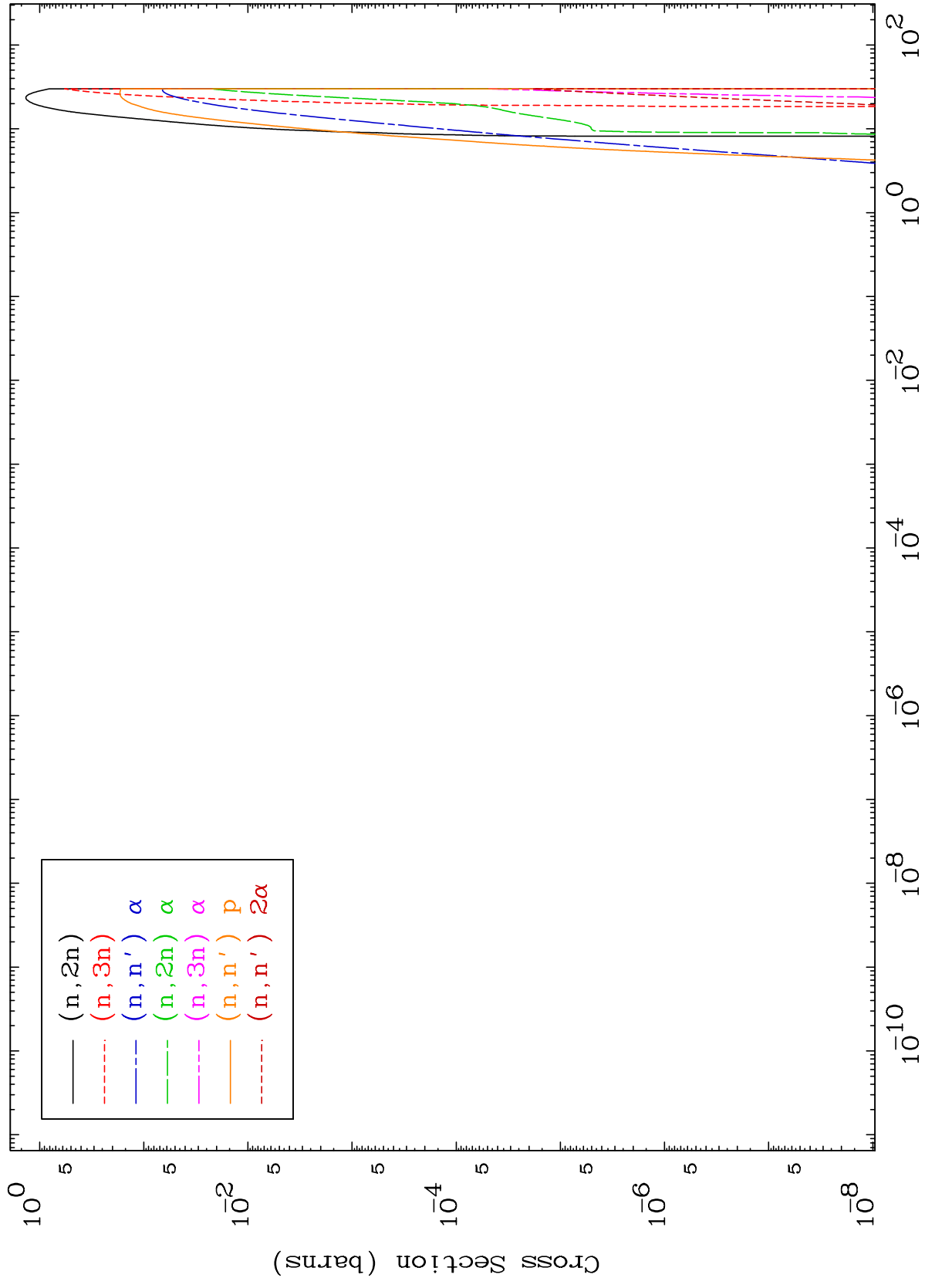
85-At-200



MAT 8517

Neutron Production  
293 Kelvin Cross Sections

85-At-200



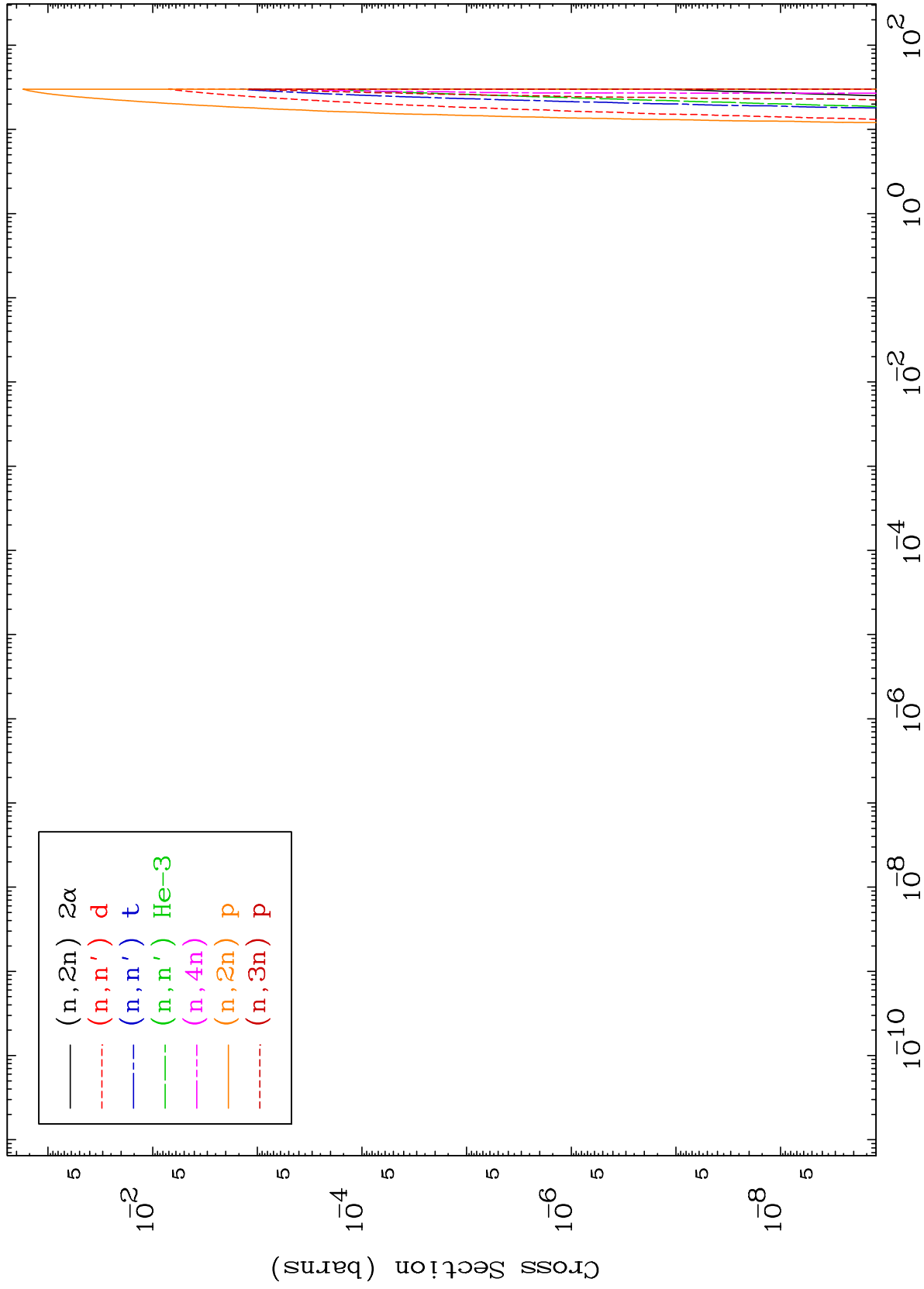
2

85-At-200

MAT 8517

Neutron Production  
293 Kelvin Cross Sections

85-At-200



3

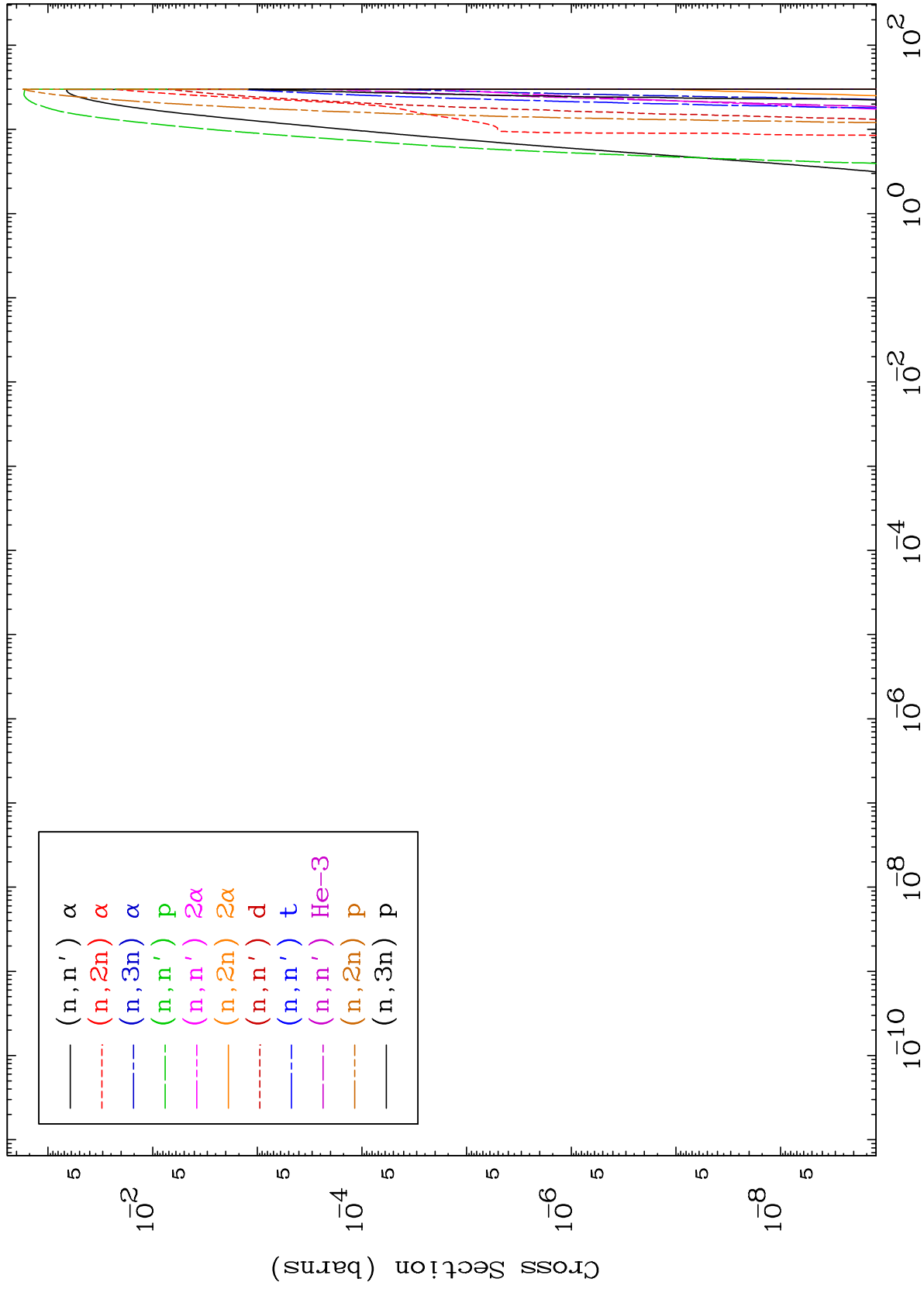
Incident Energy (MeV)

85-At-200

MAT 8517

293 Kelvin Cross Sections

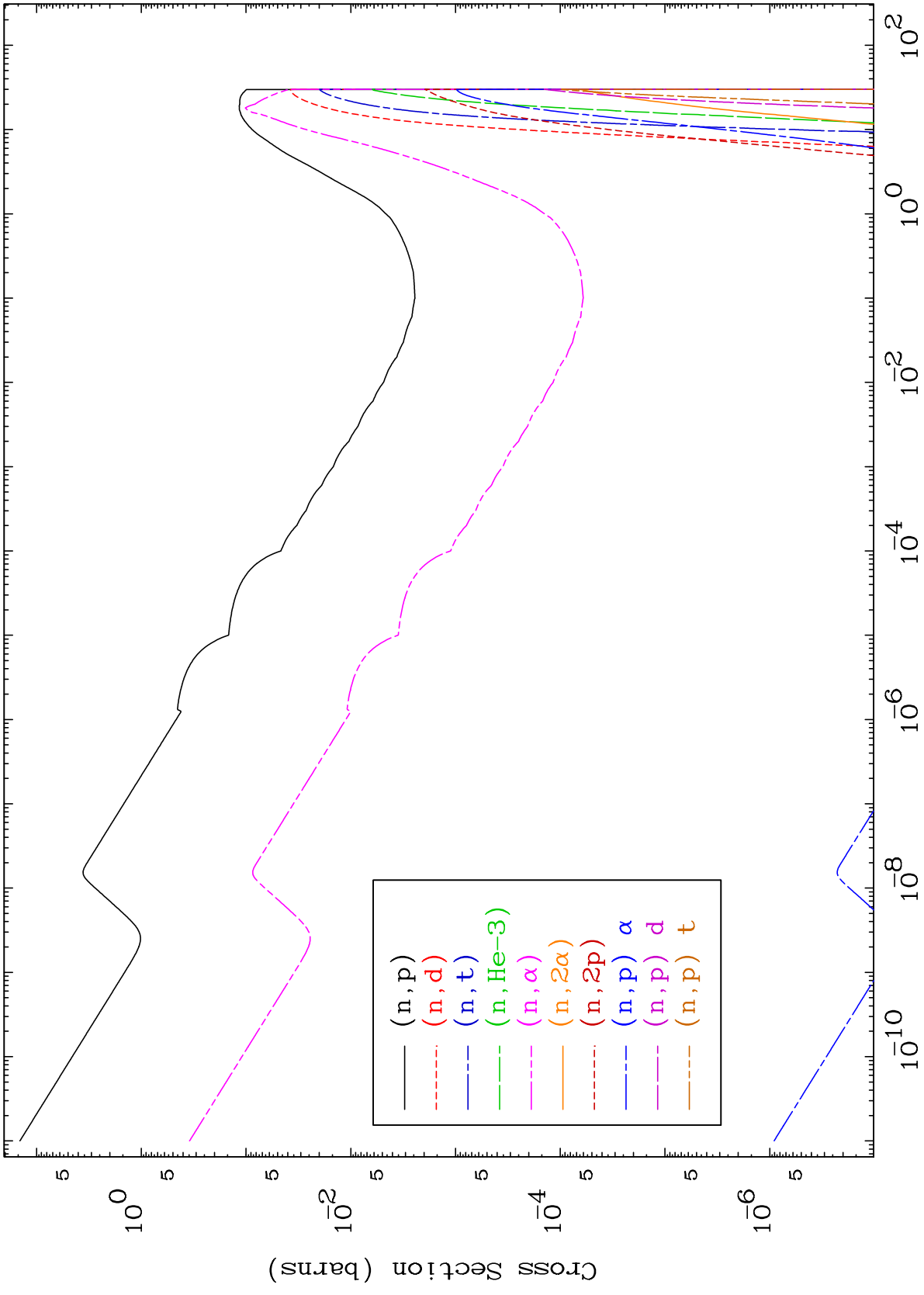
85-At-200



MAT 8517

293 Kelvin Cross Sections

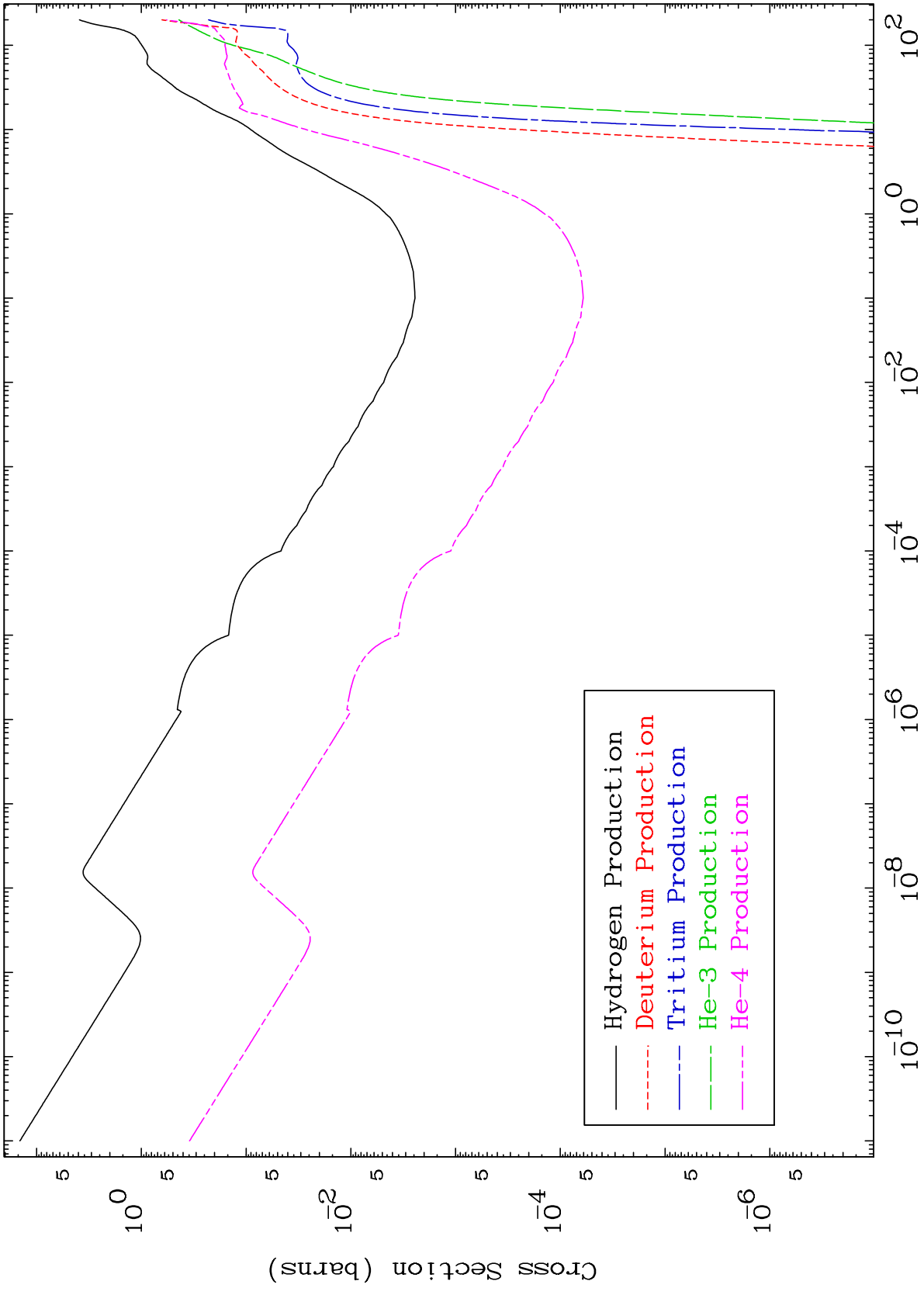
85-At-200



MAT 8517

Particle Production  
293 Kelvin Cross Sections

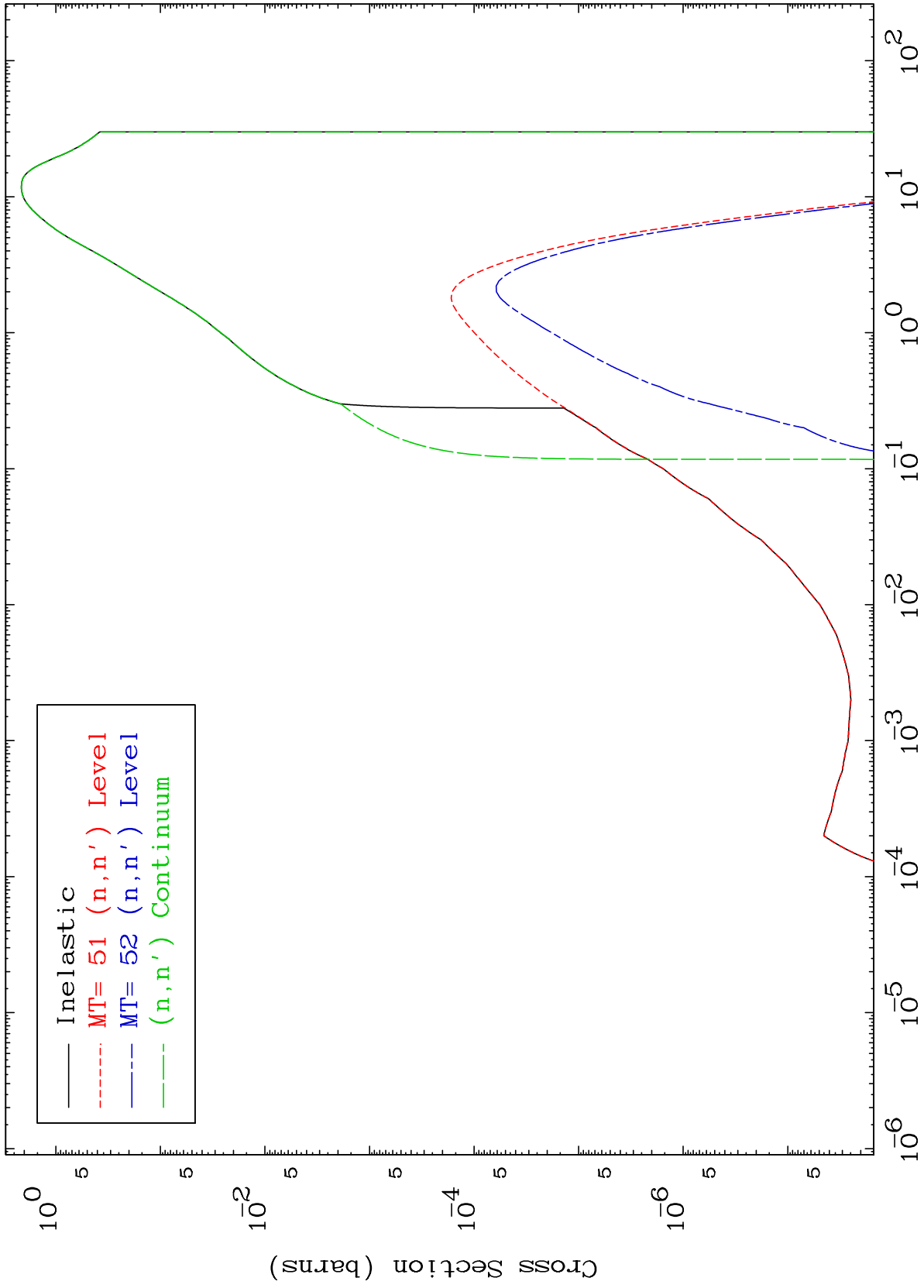
85-At-200



MAT 8517

(n,n') Level  
293 Kelvin Cross Sections

85-At-200



7

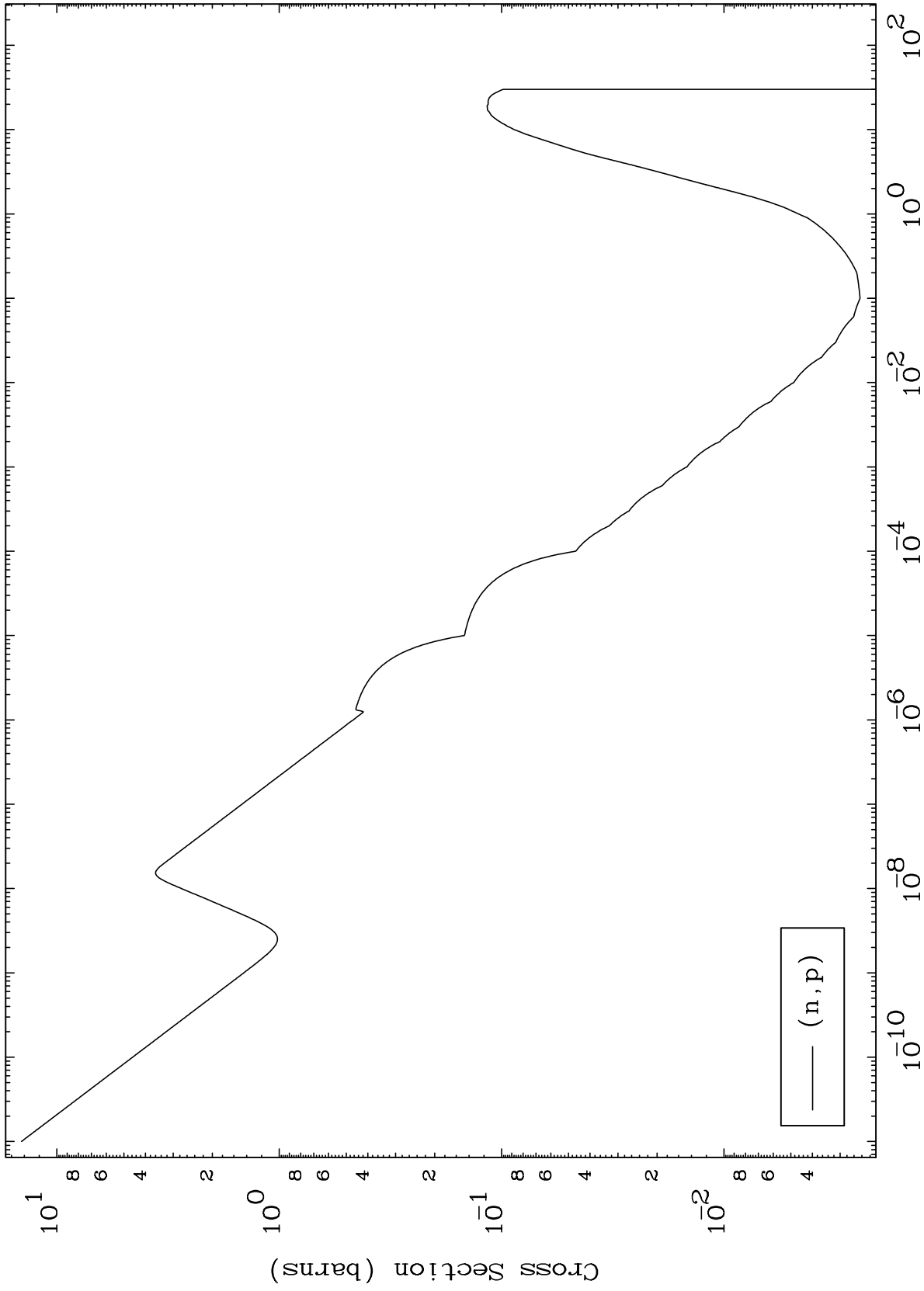
85-At-200



MAT 8517

(n,p) Levels  
293 Kelvin Cross Sections

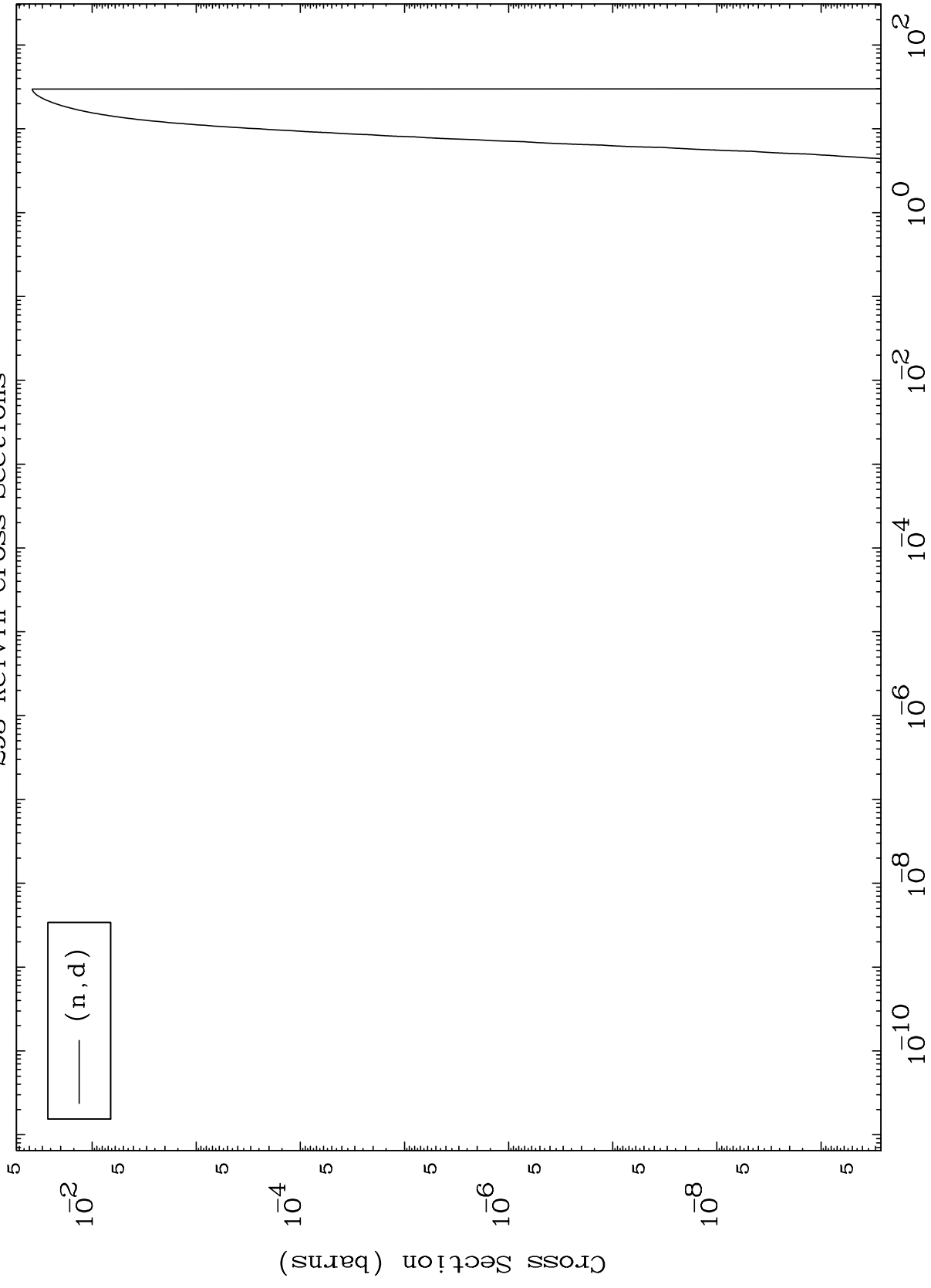
85-At-200



MAT 8517

(n,d) Levels  
293 Kelvin Cross Sections

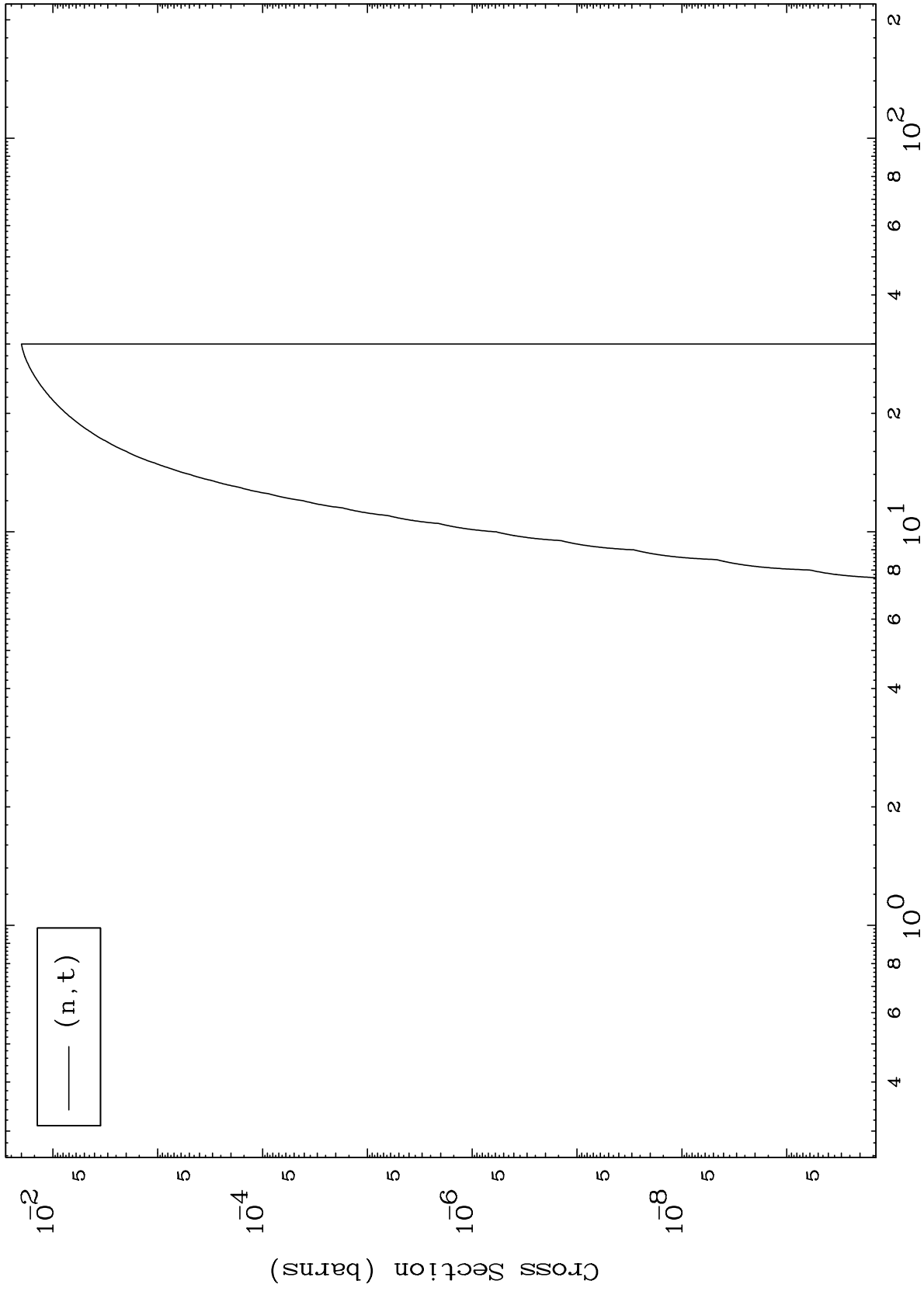
85-At-200



MAT 8517

(n,t) Levels  
293 Kelvin Cross Sections

85-At-200



10

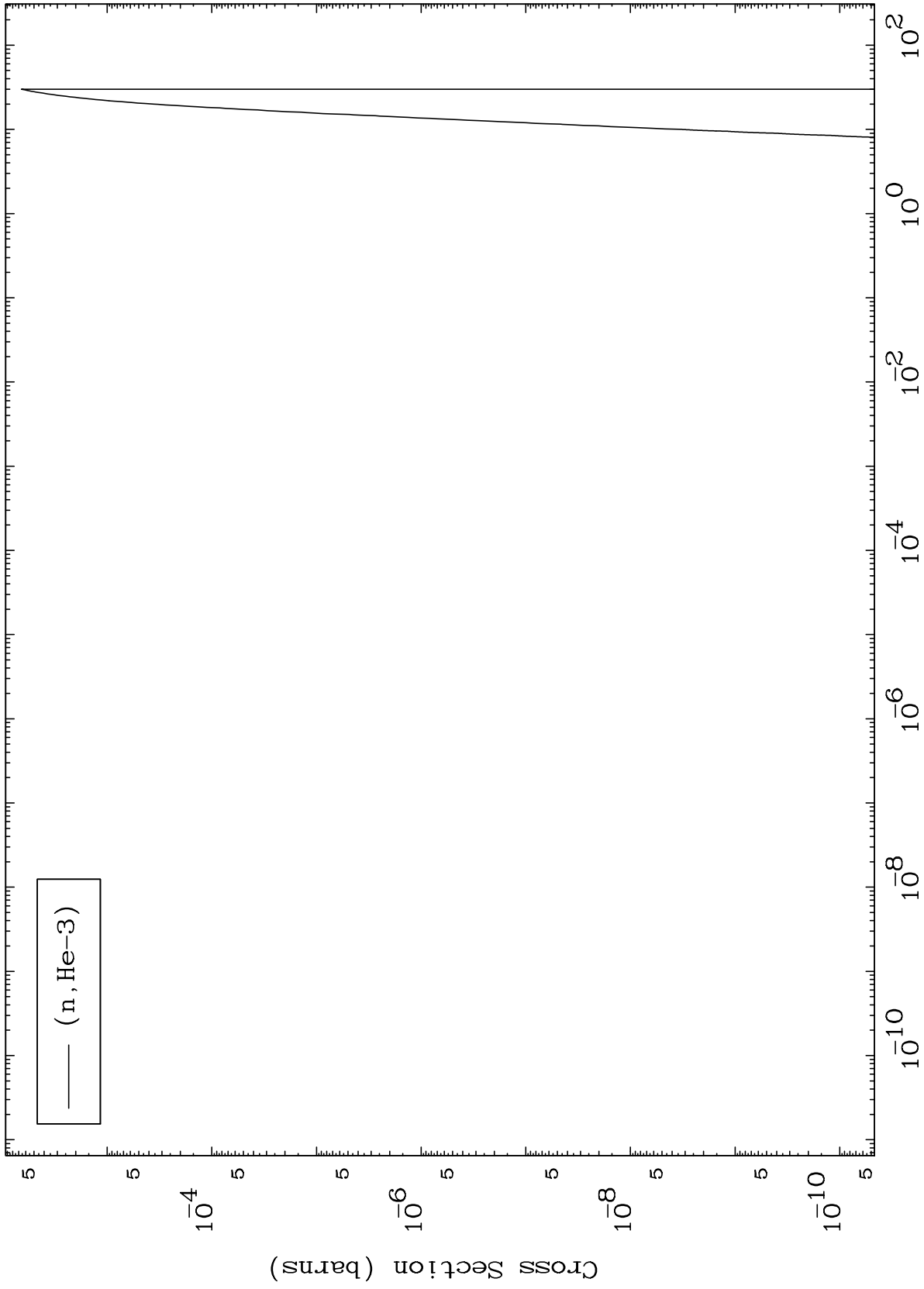
Incident Energy (MeV)

85-At-200

MAT 8517

(n,He3) Levels  
293 Kelvin Cross Sections

85-At-200



11

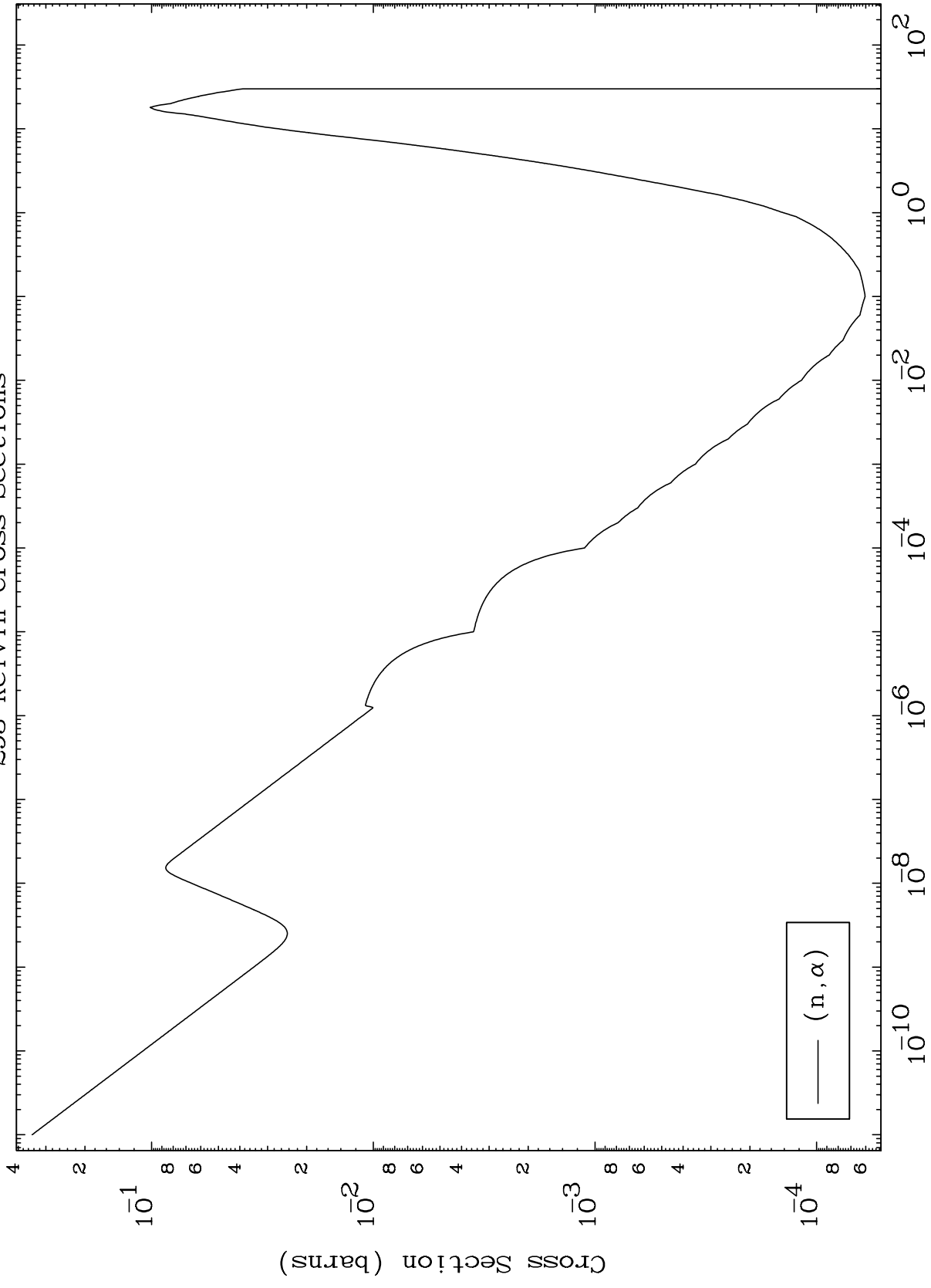
Incident Energy (MeV)

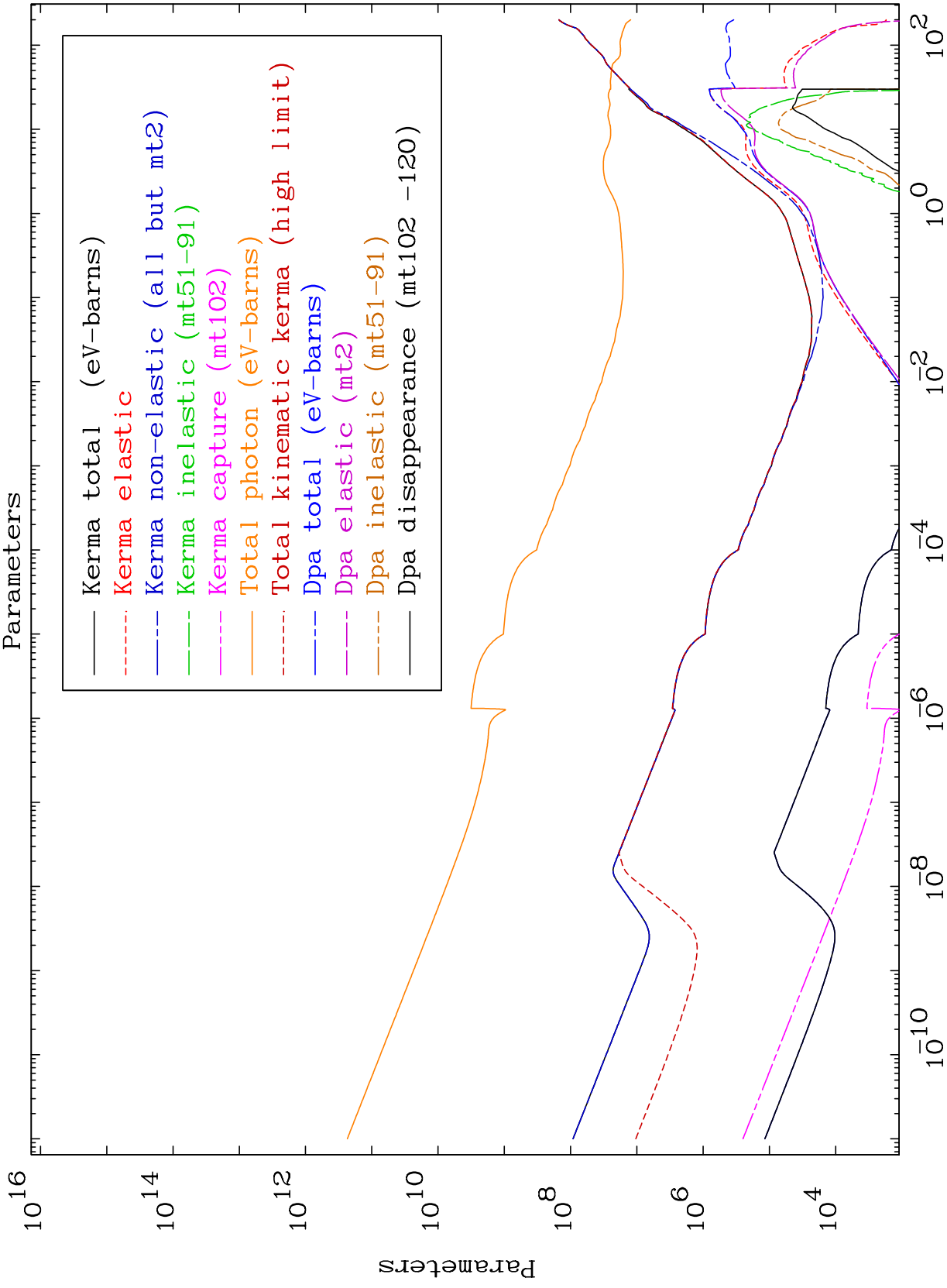
85-At-200

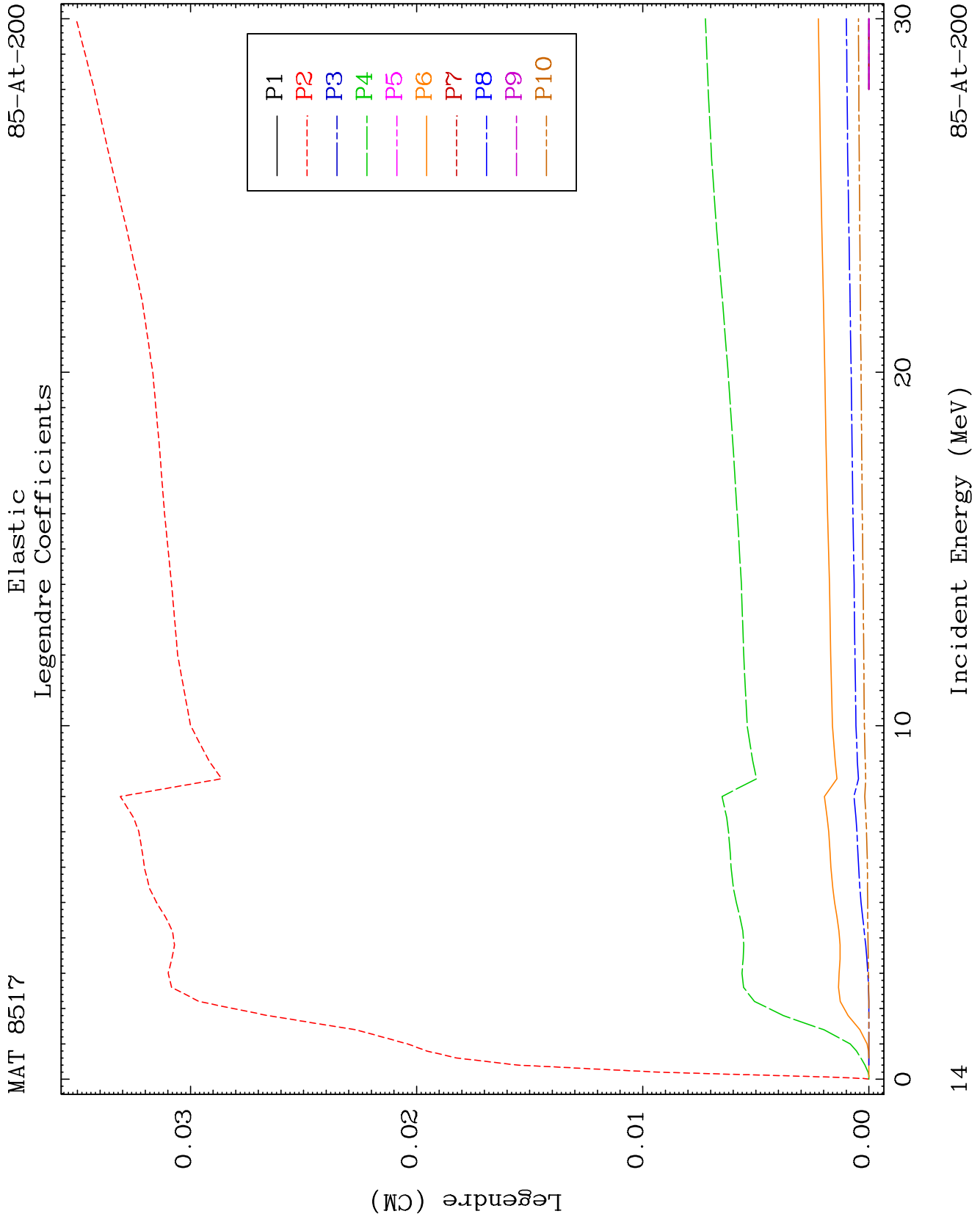
MAT 8517

(n,α) Levels  
293 Kelvin Cross Sections

85-At-200



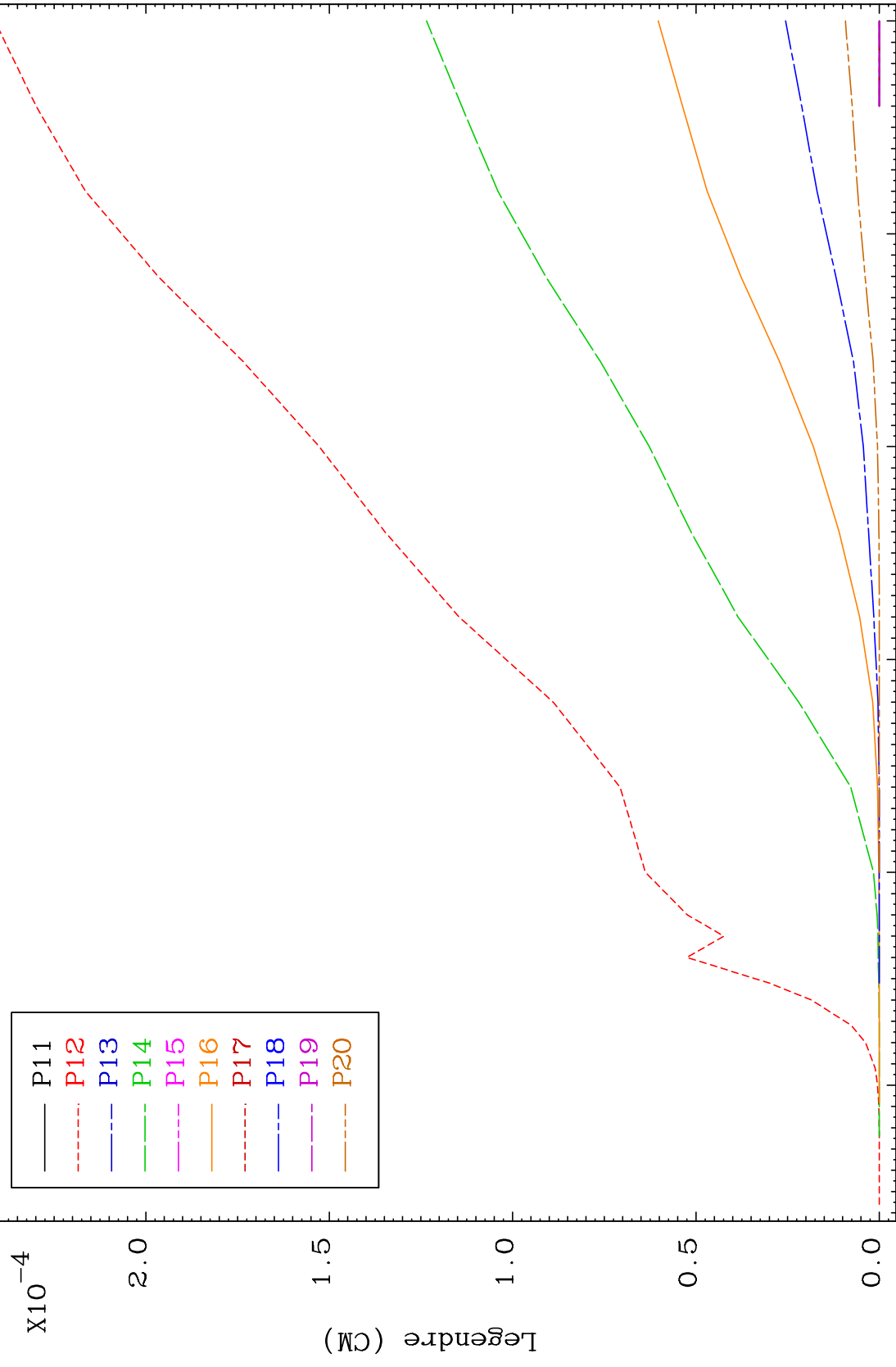
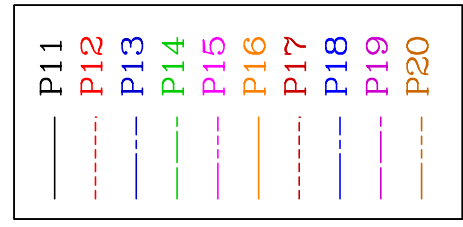




MAT 8517

Elastic Legendre Coefficients

85-At-200



15

Incident Energy (MeV)

85-At-200



MAT 8517

Elastic  
Legendre Coefficients

85-At-200



16

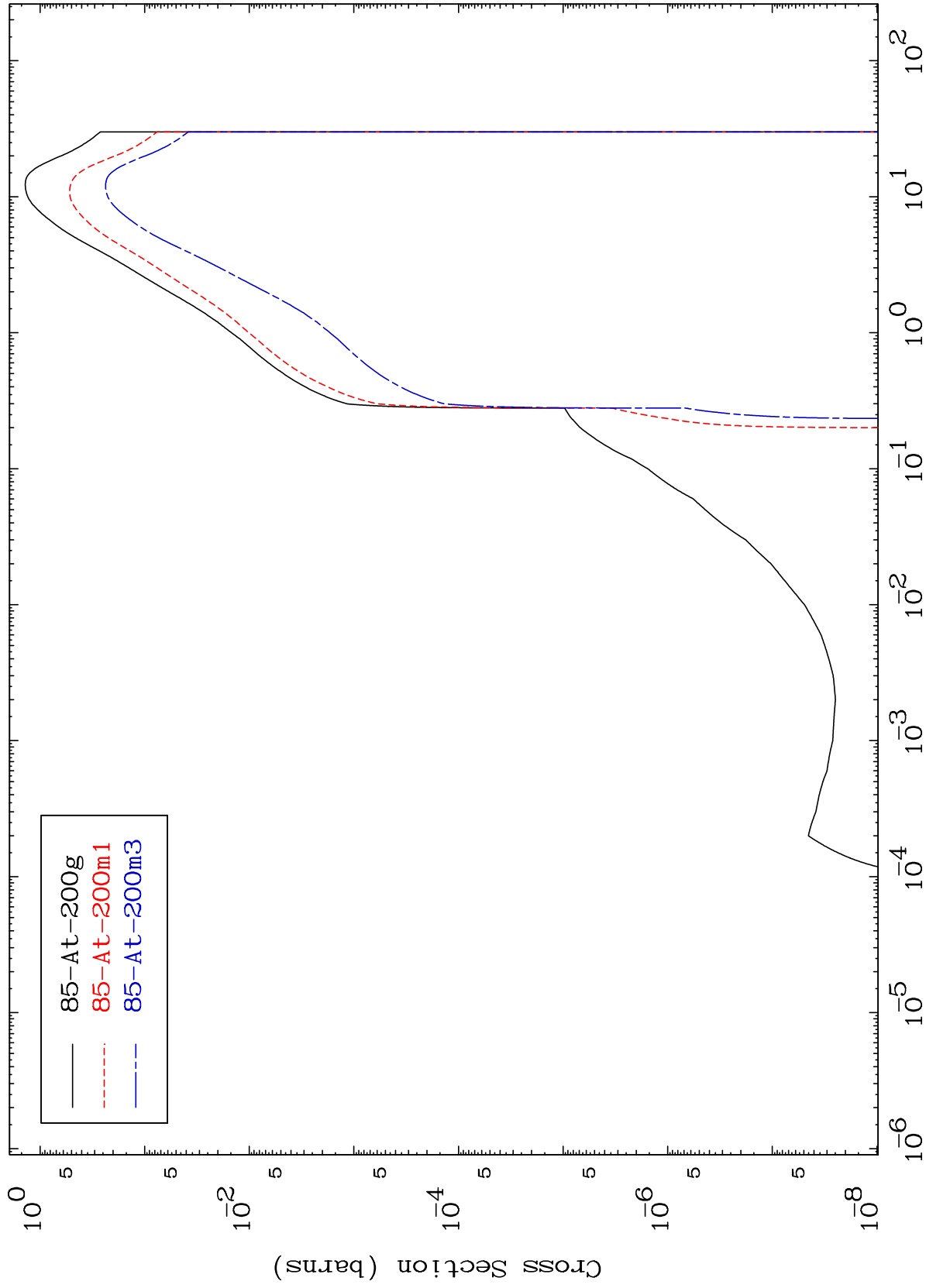
Incident Energy (MeV)

85-At-200

MAT 8517

Inelastic  
Radionuclide Production Cross Section

85-At-200



17

Incident Energy (MeV)

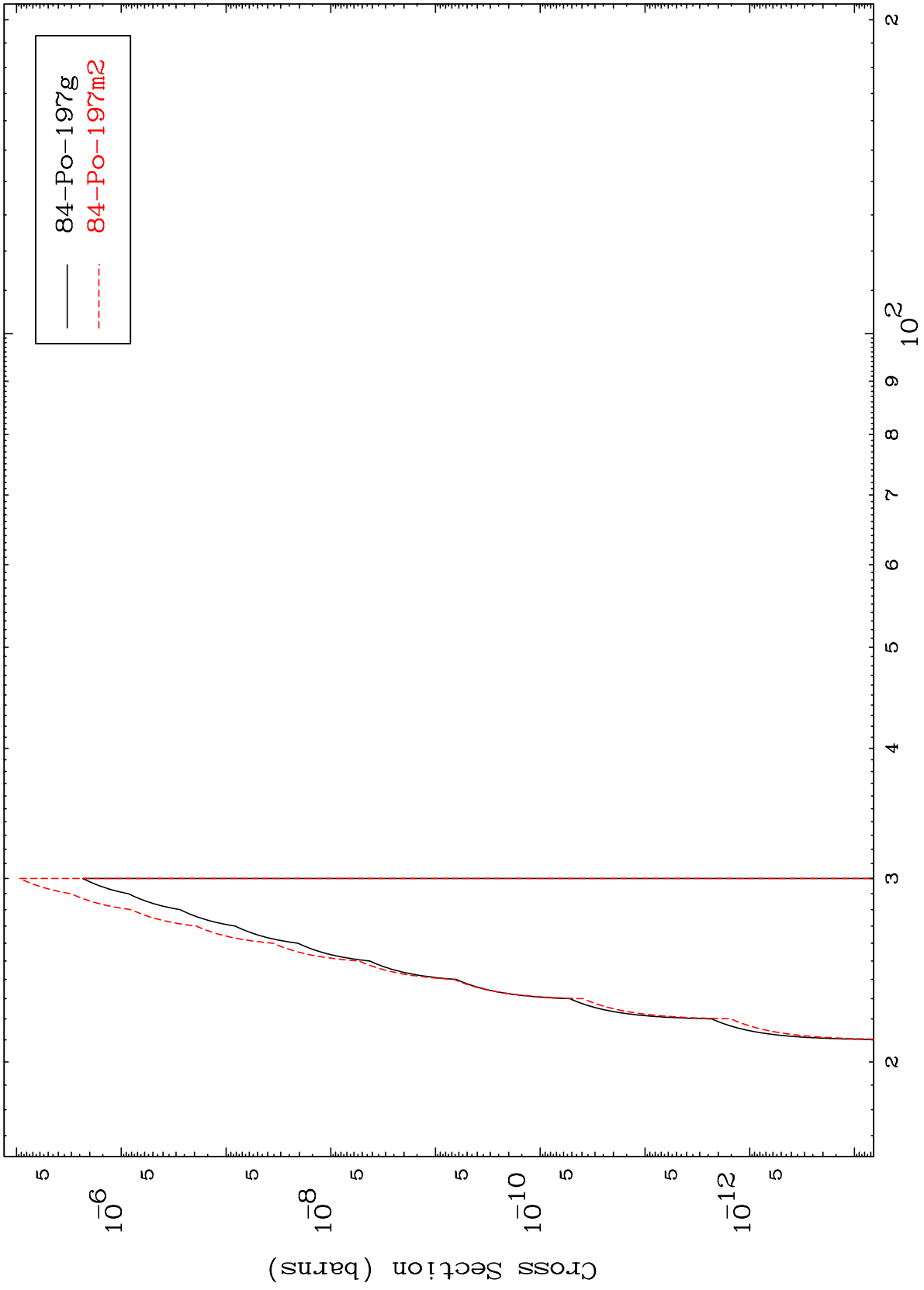
85-At-200

MAT 8517

(n,2n) d

85-At-200

Radionuclide Production Cross Section



18

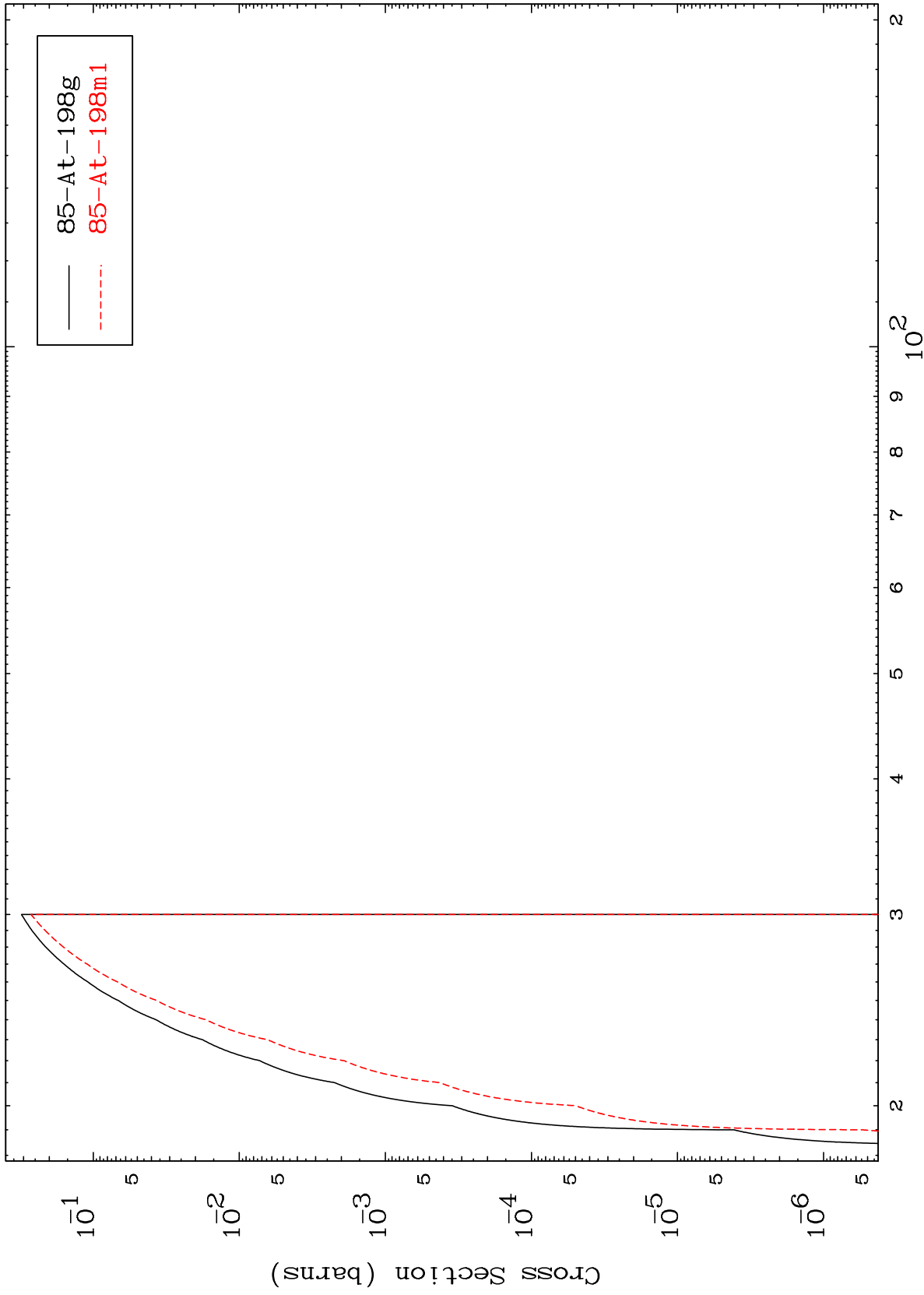
Incident Energy (MeV)

85-At-200

MAT 8517

85-At-200

(n,3n)  
Radionuclide Production Cross Section



19

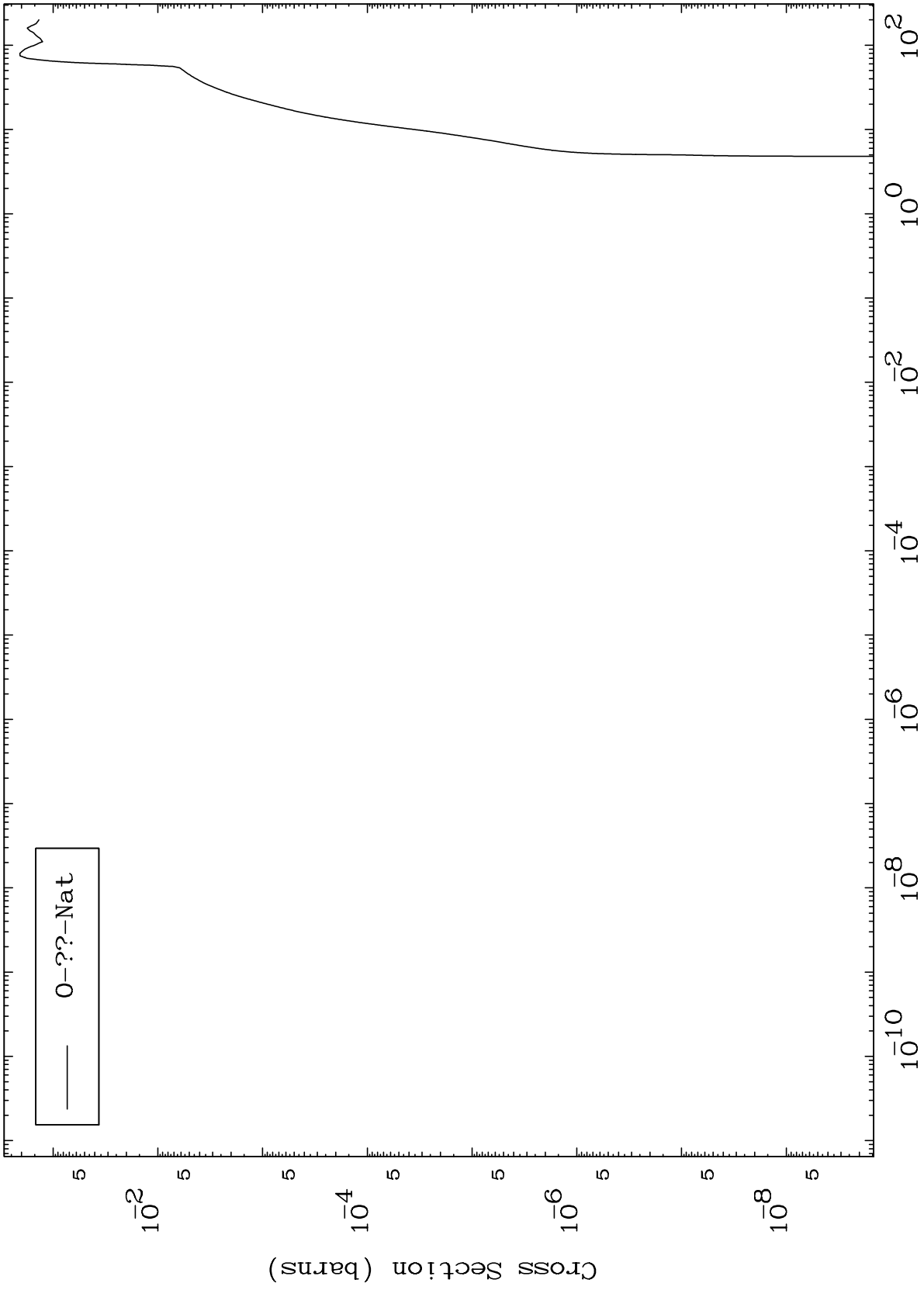
Incident Energy (MeV)

85-At-200

MAT 8517

Fission  
Radionuclide Production Cross Section

85-At-200



20

Incident Energy (MeV)

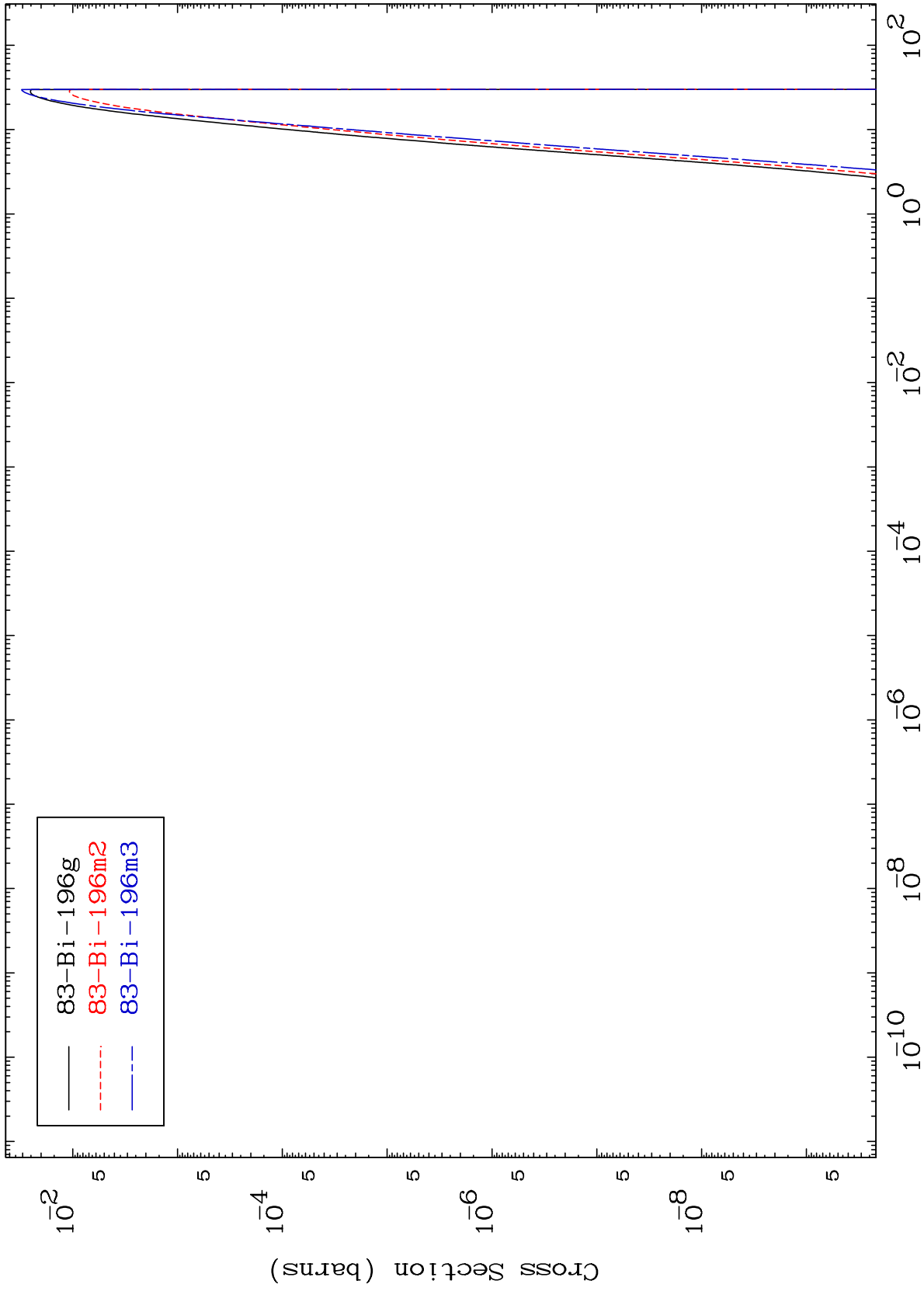
85-At-200

MAT 8517

(n,n')  $\alpha$

85-At-200

Radionuclide Production Cross Section



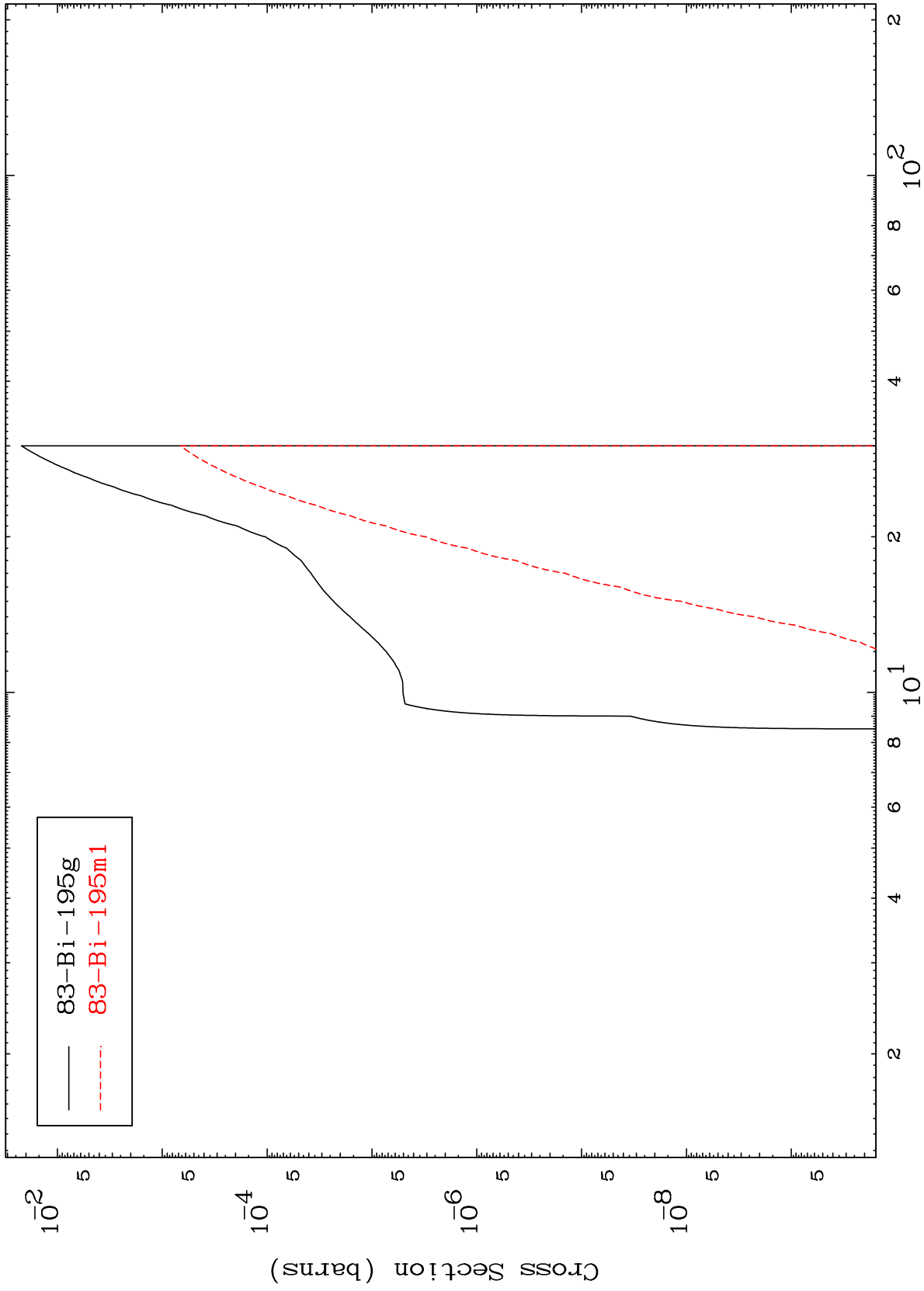
83-Bi-196g  
83-Bi-196m2  
83-Bi-196m3

MAT 8517

(n,2n)  $\alpha$

85-At-200

Radionuclide Production Cross Section



22

Incident Energy (MeV)

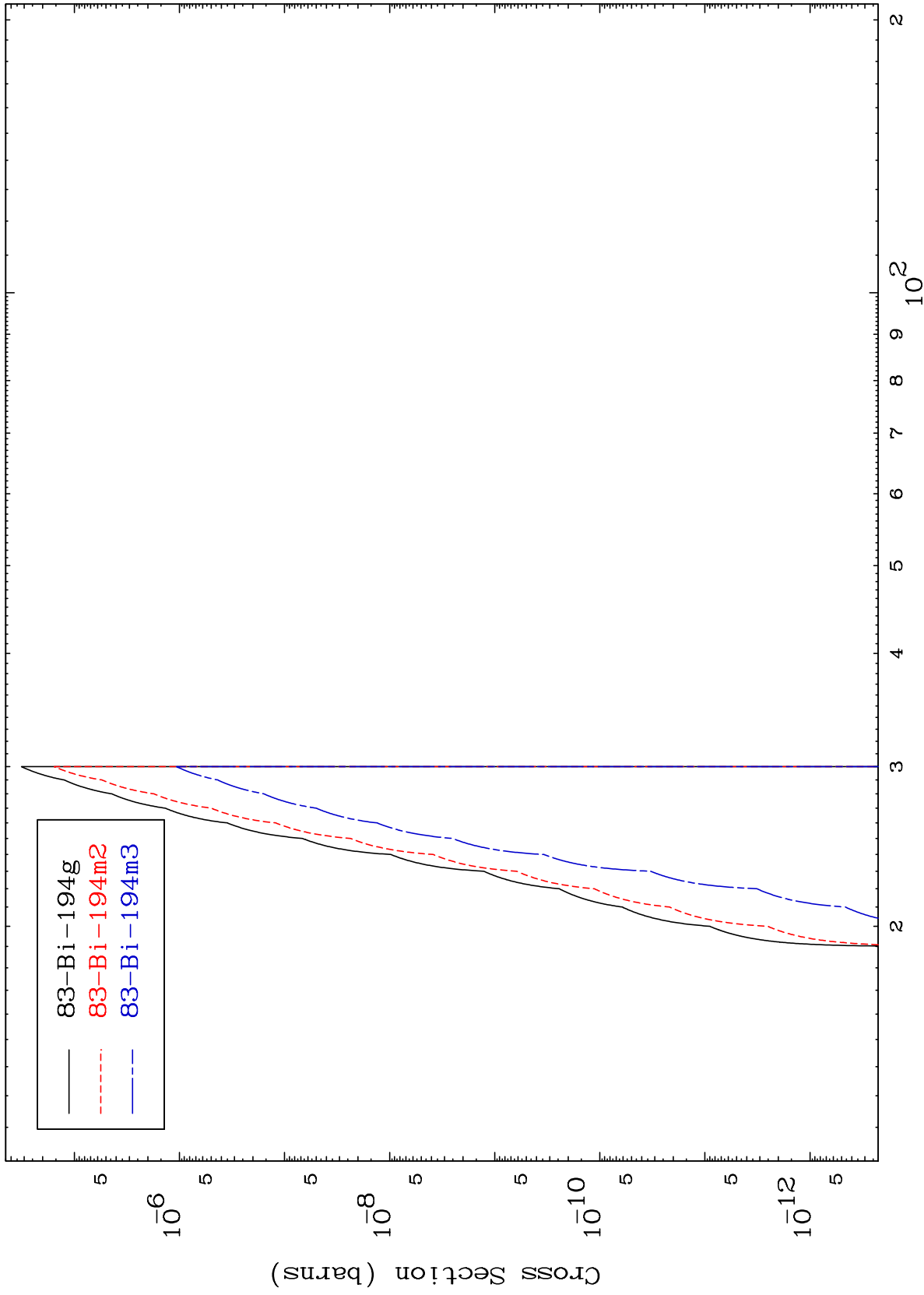
85-At-200

MAT 8517

(n,3n)  $\alpha$

85-At-200

Radionuclide Production Cross Section



23

Incident Energy (MeV)

85-At-200

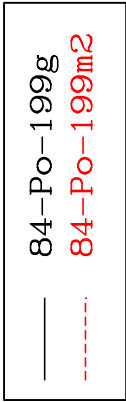
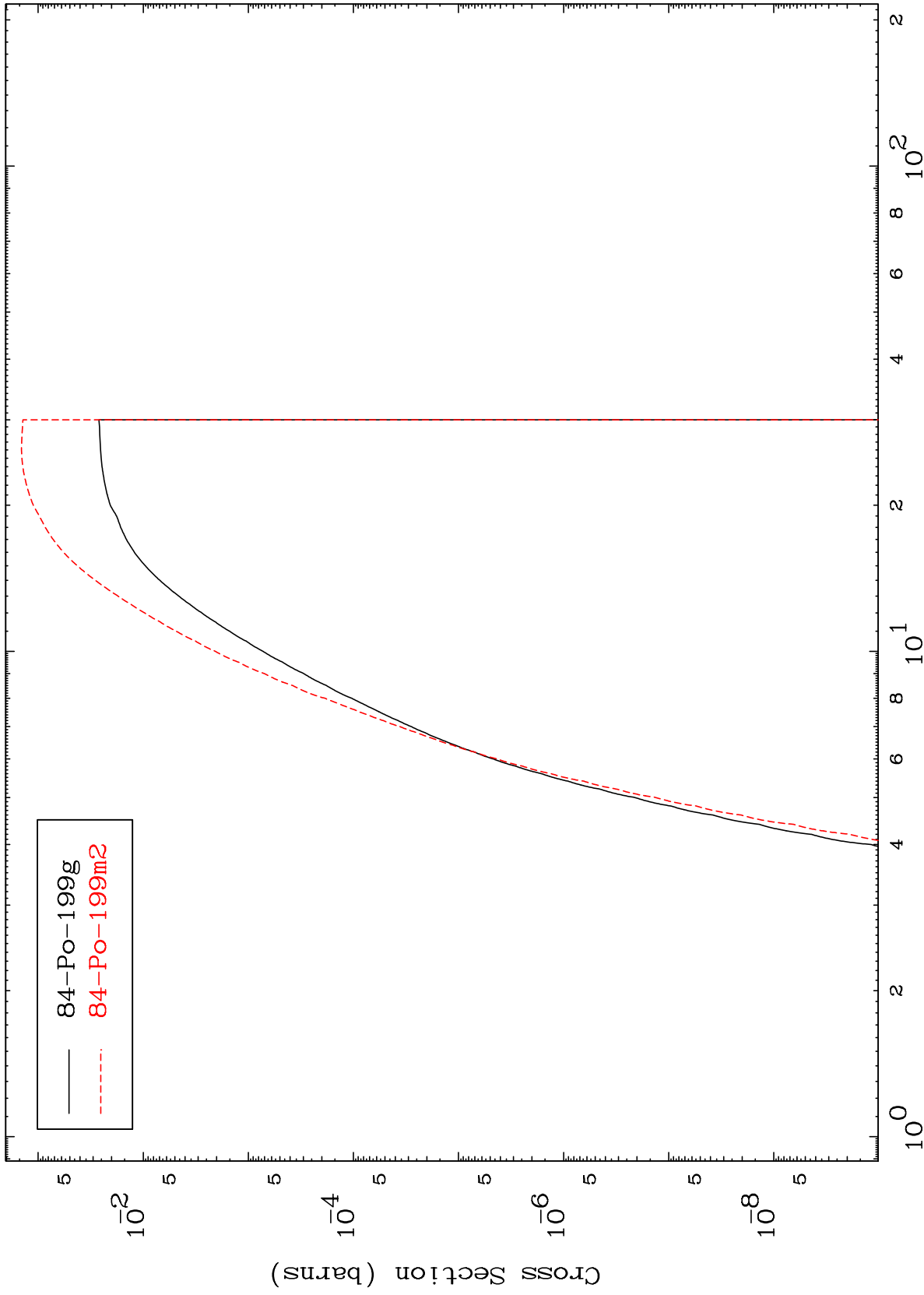


MAT 8517

(n,n') p

85-At-200

Radionuclide Production Cross Section



24

Incident Energy (MeV)

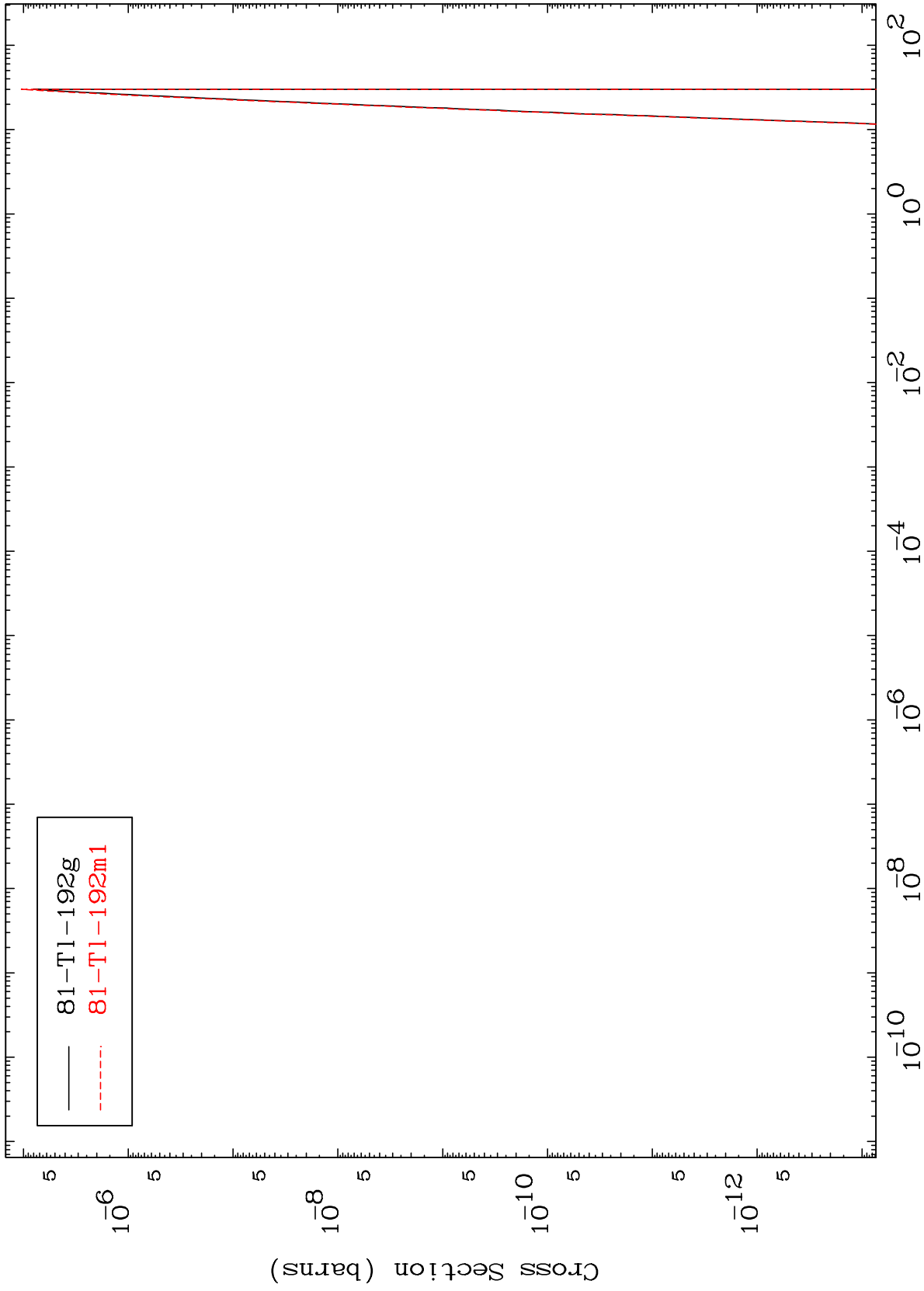
85-At-200

MAT 8517

(n,n') 2 $\alpha$

85-At-200

Radionuclide Production Cross Section



25

Incident Energy (MeV)

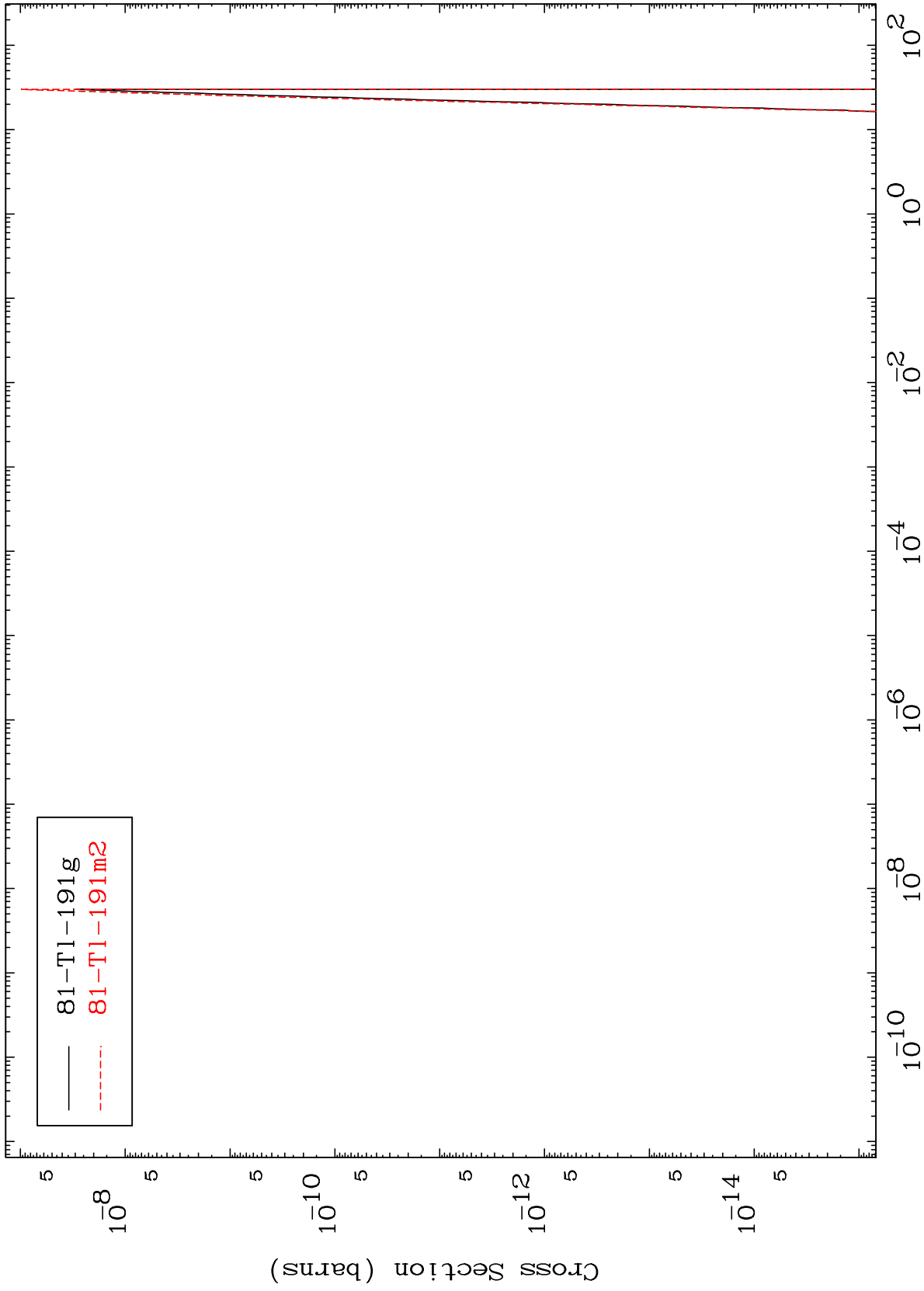
85-At-200

MAT 8517

(n,2n) 2 $\alpha$

85-At-200

Radionuclide Production Cross Section



26

Incident Energy (MeV)

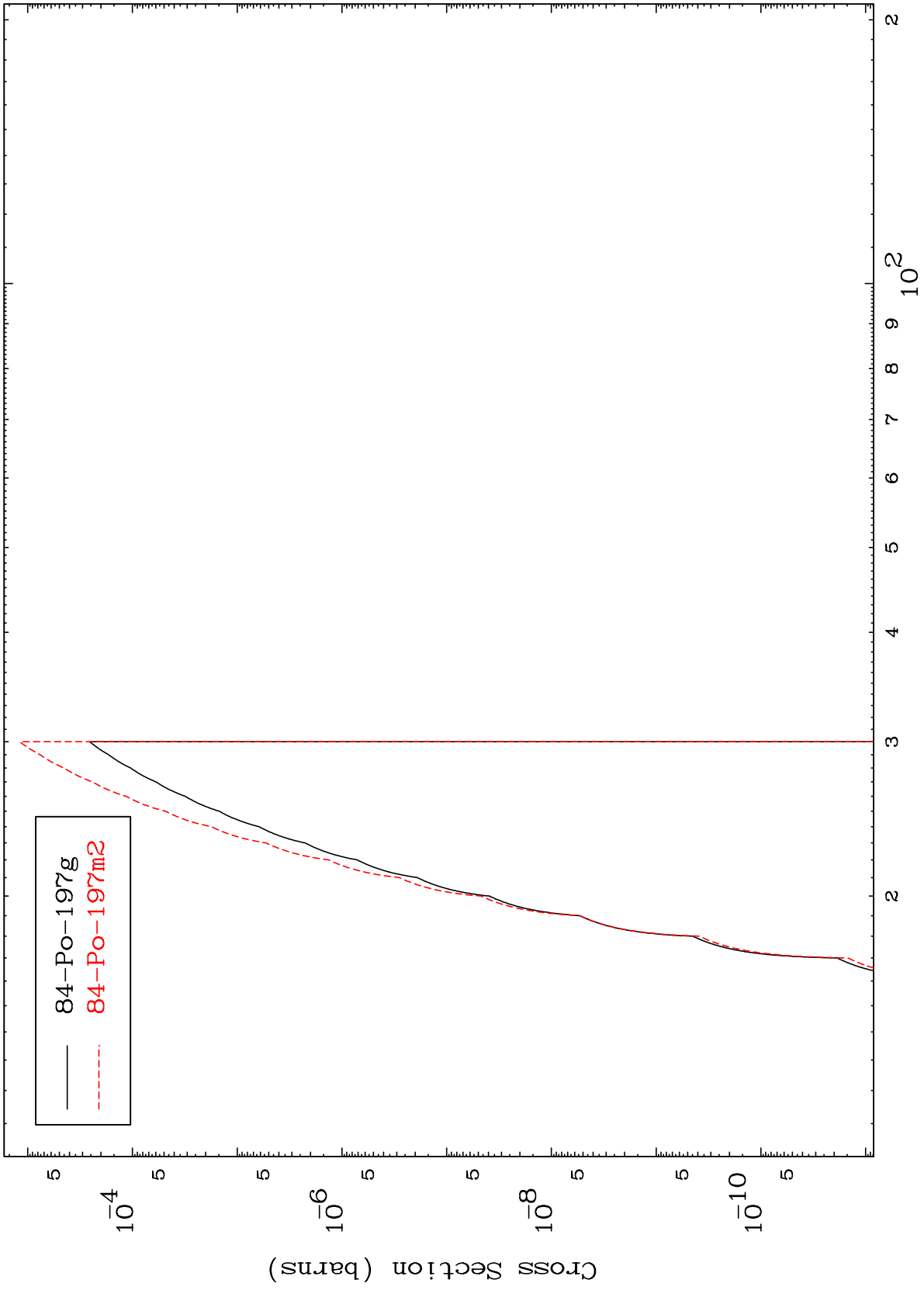
85-At-200

MAT 8517

(n,n') t

85-At-200

Radionuclide Production Cross Section



27

Incident Energy (MeV)

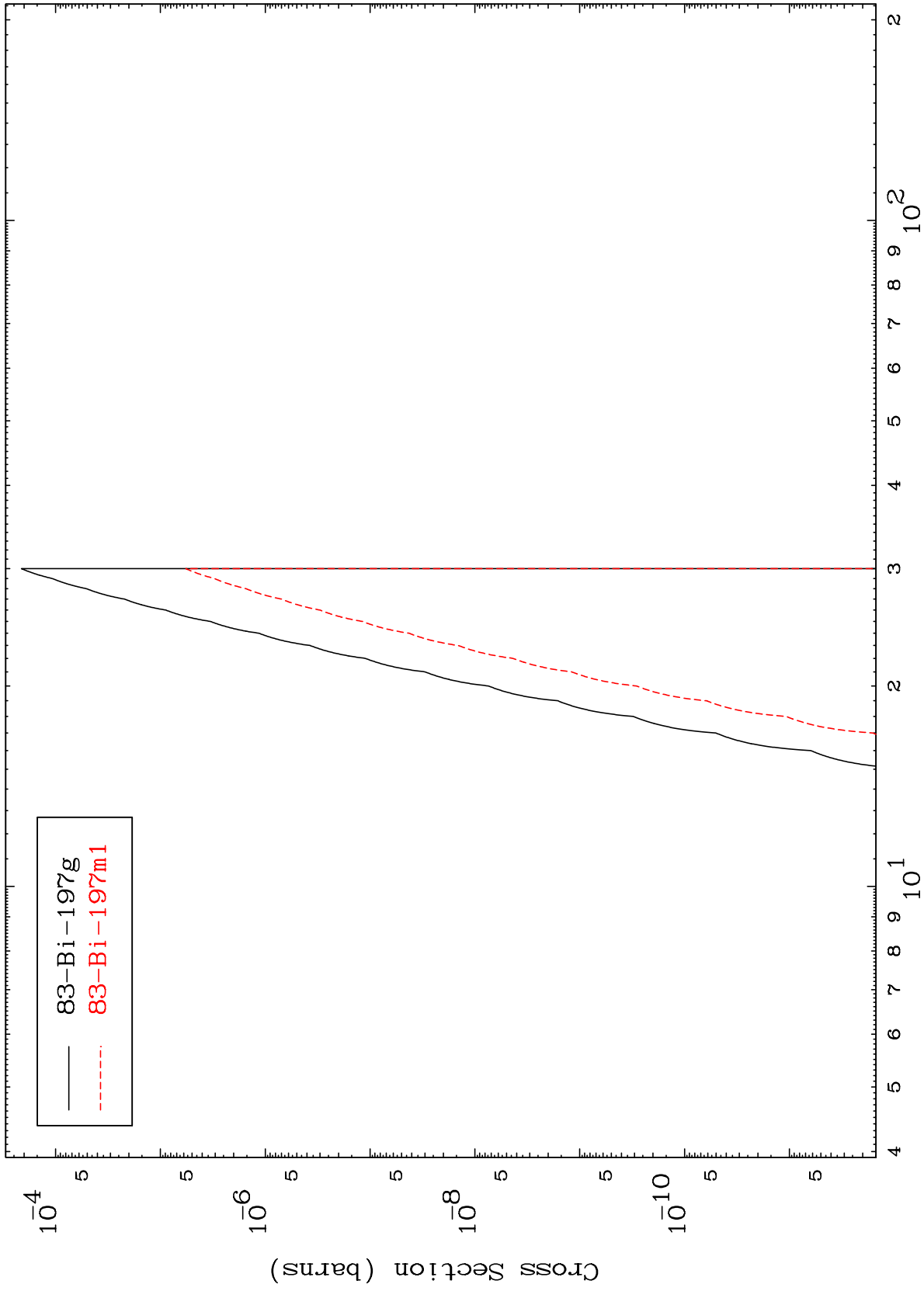
85-At-200

MAT 8517

(n, n') He-3

85-At-200

Radionuclide Production Cross Section



28

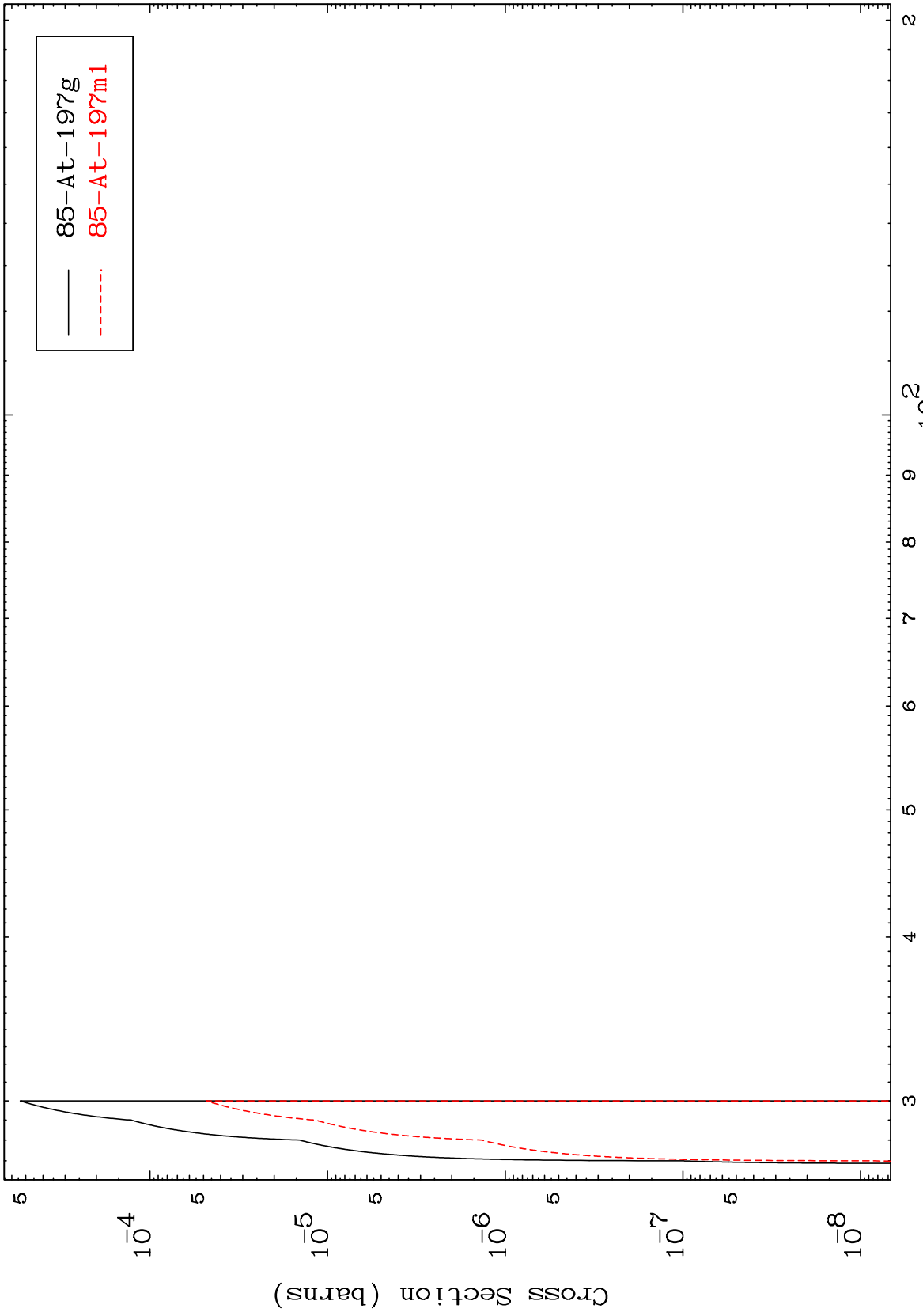
Incident Energy (MeV)

85-At-200

MAT 8517

85-At-200

(n,4n)  
Radionuclide Production Cross Section



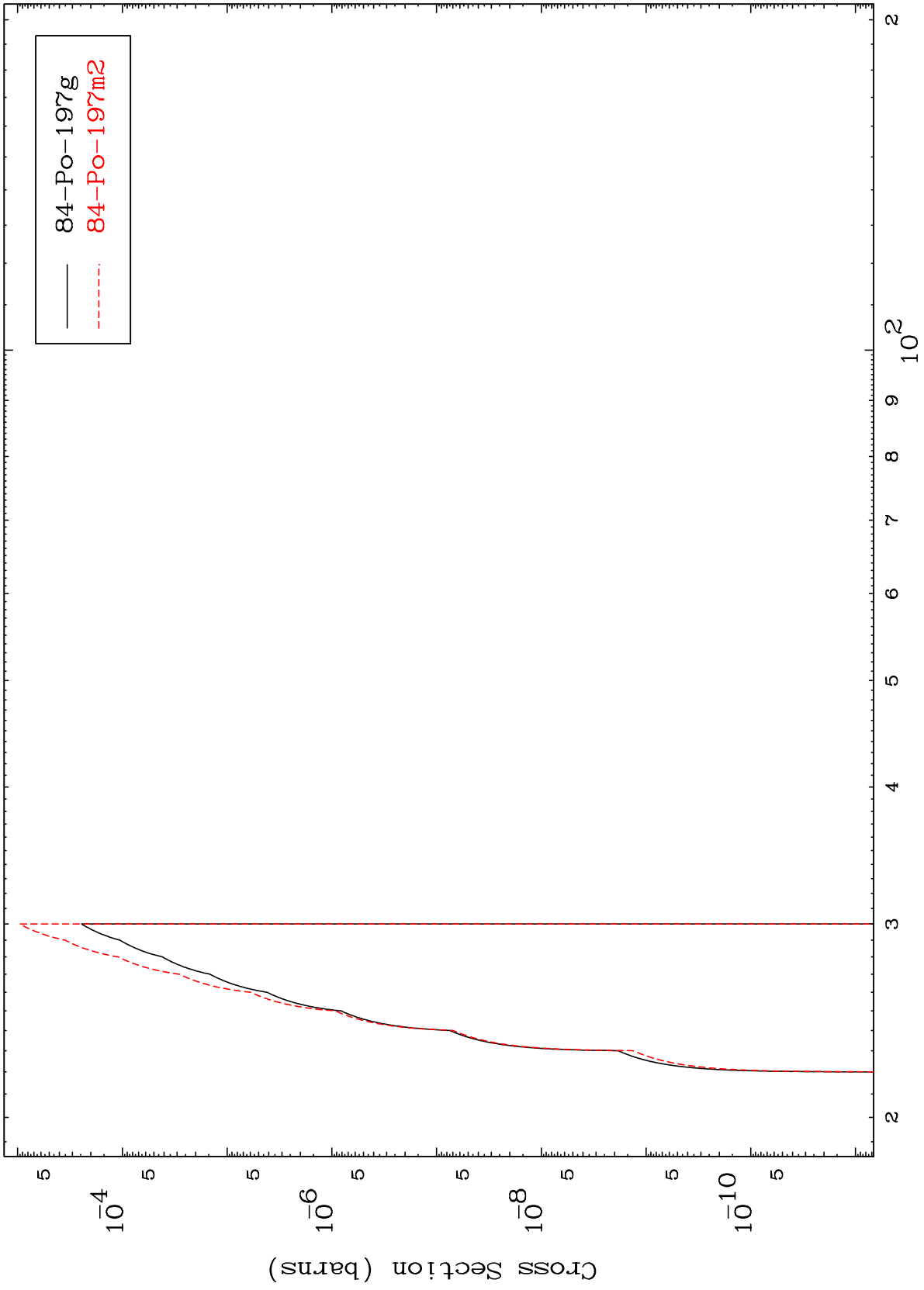
29

85-At-200

MAT 8517

85-At-200

(n,3n) p  
Radionuclide Production Cross Section



30

Incident Energy (MeV)

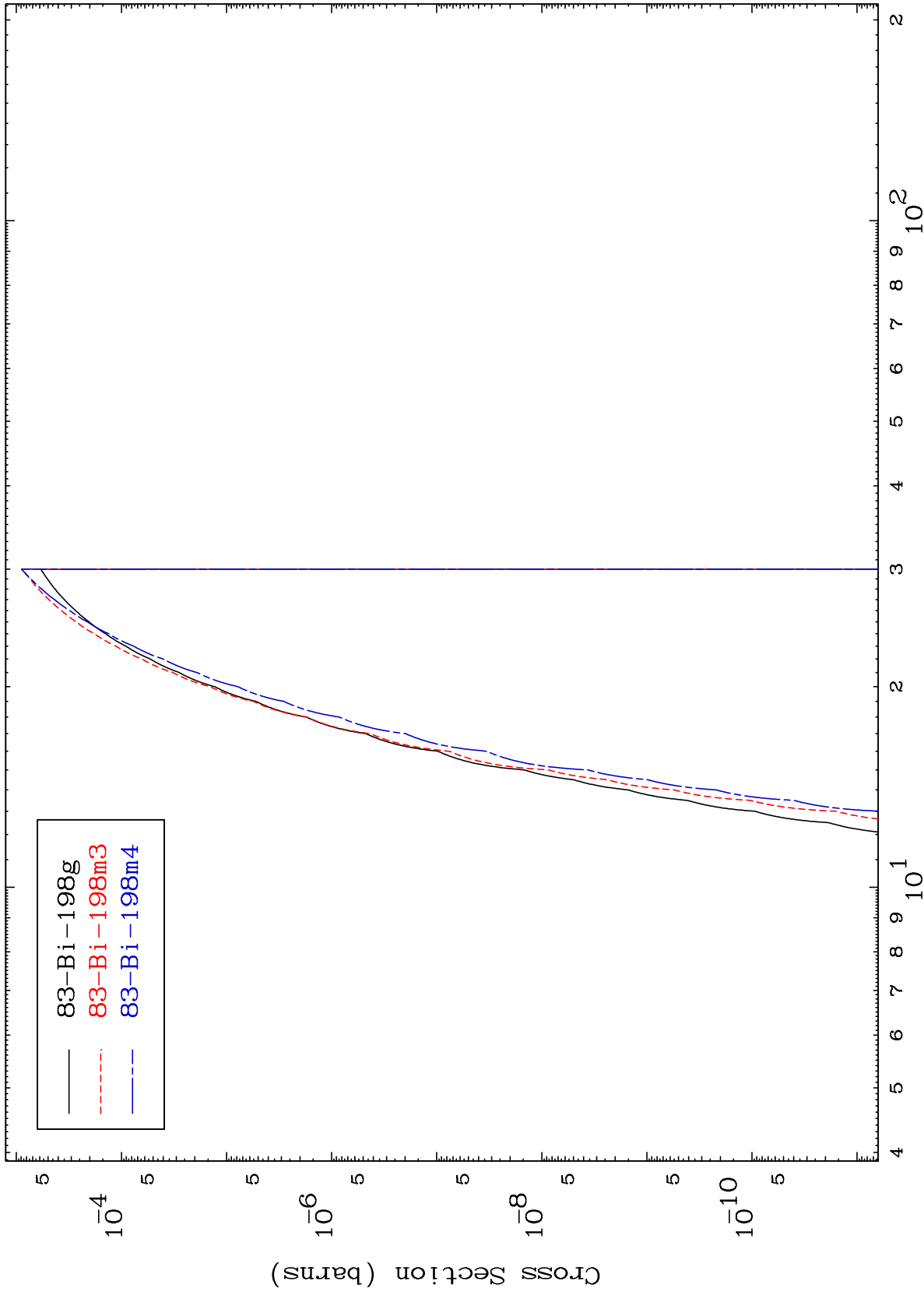
85-At-200

MAT 8517

(n,2n) p

85-At-200

Radionuclide Production Cross Section



31

85-At-200

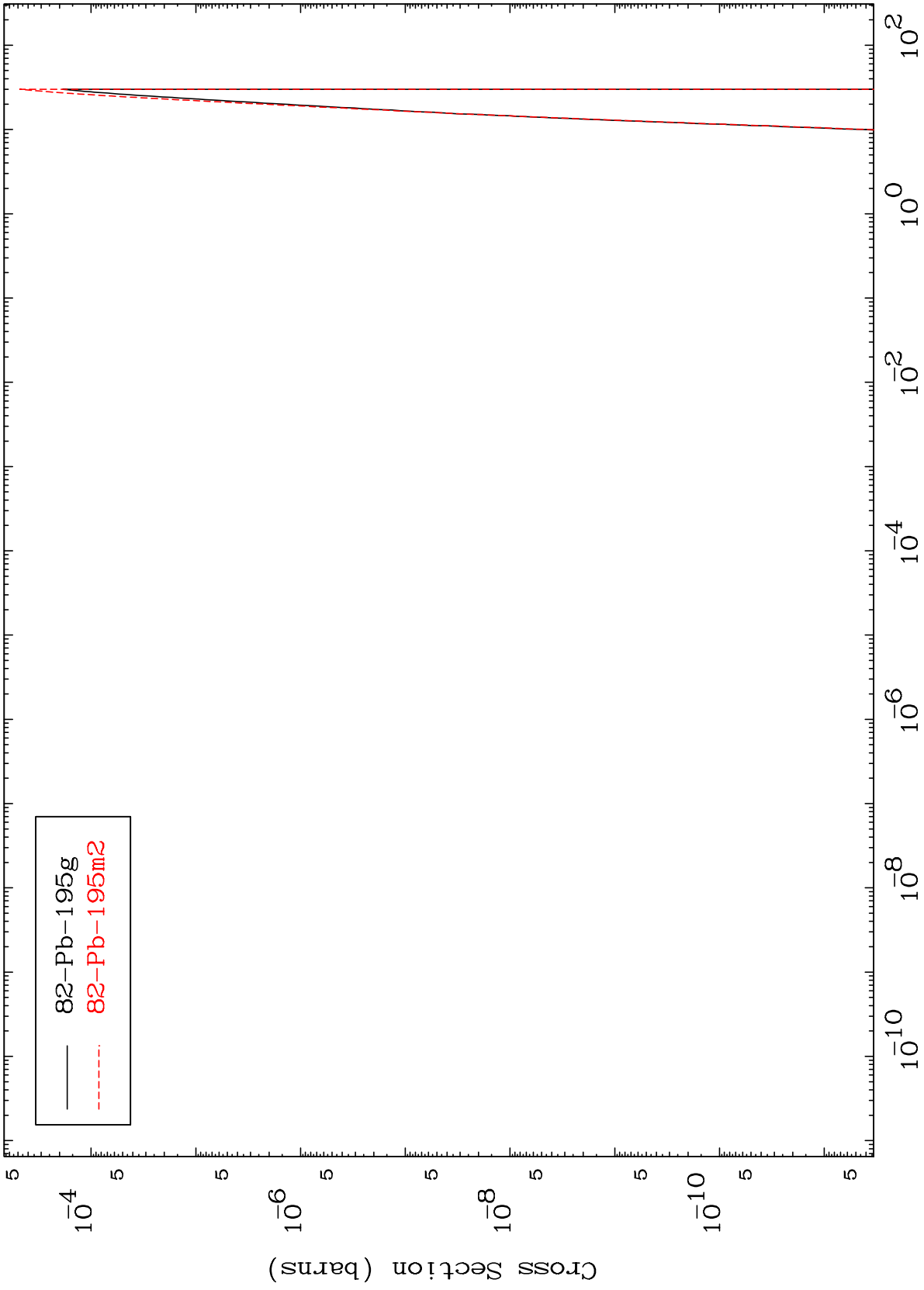


MAT 8517

(n,n') p  $\alpha$

85-At-200

Radionuclide Production Cross Section



32

Incident Energy (MeV)

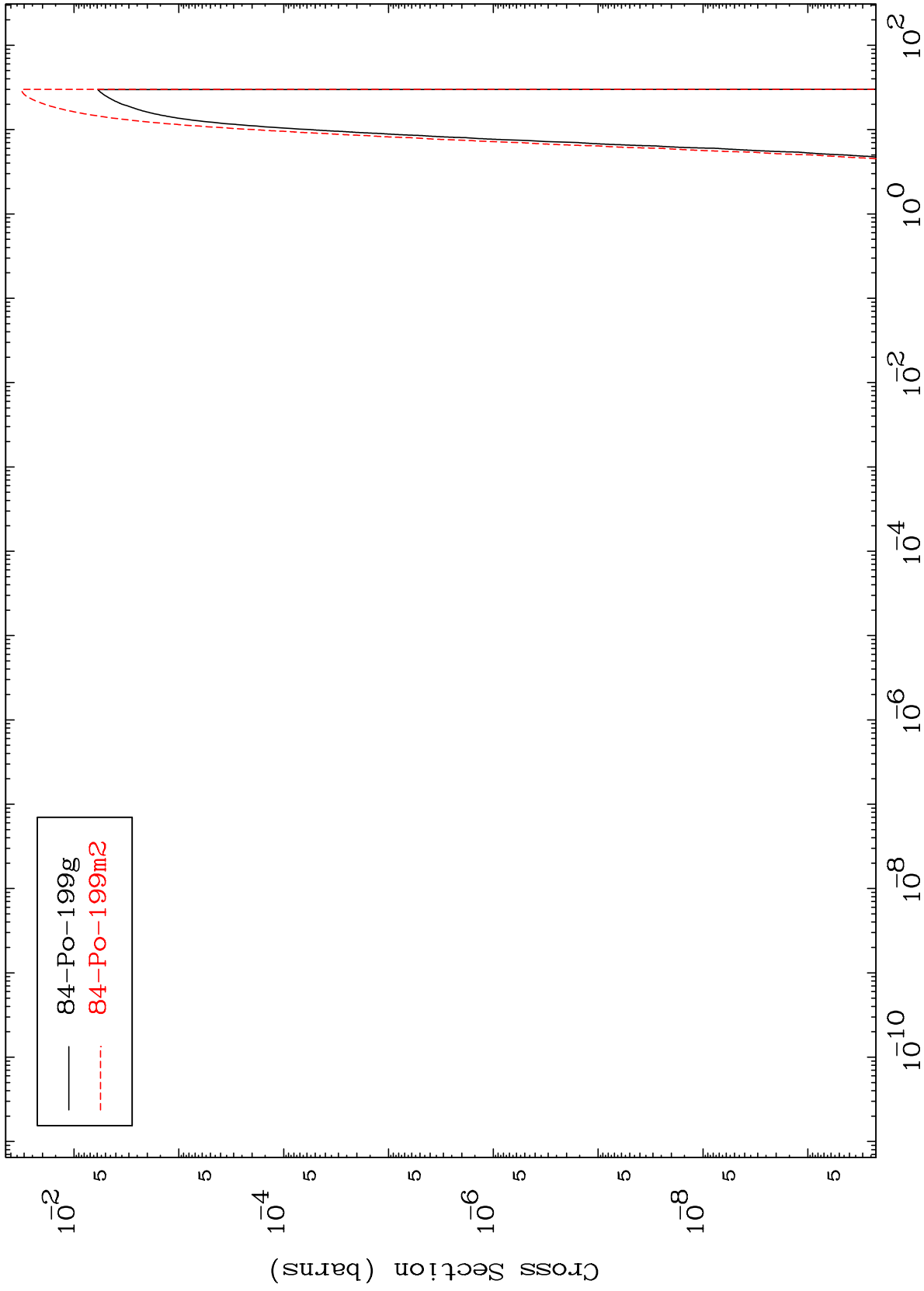
85-At-200

MAT 8517

(n,d)

85-At-200

Radionuclide Production Cross Section



33

Incident Energy (MeV)

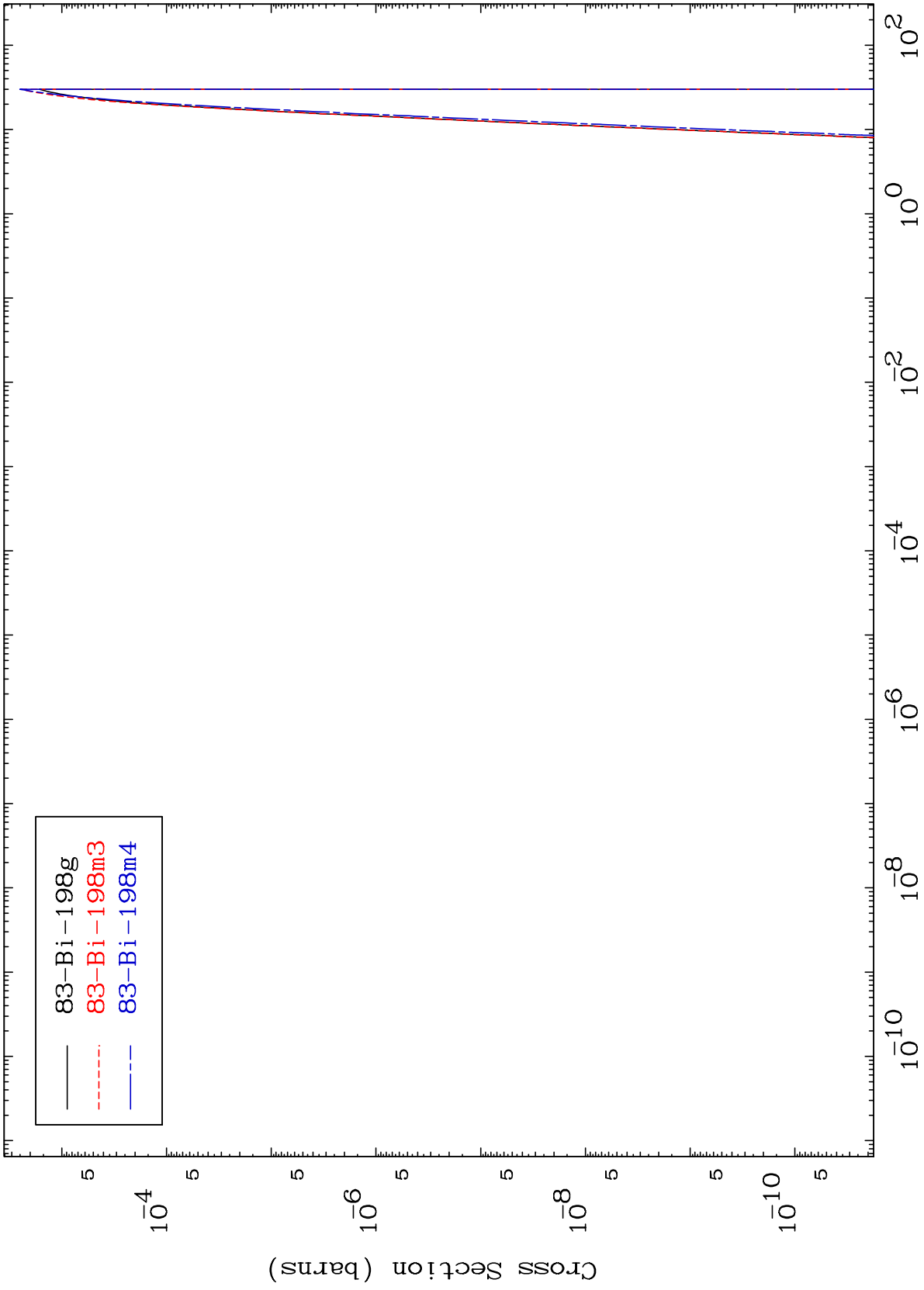
85-At-200

MAT 8517

(n,He-3)

85-At-200

Radionuclide Production Cross Section



34

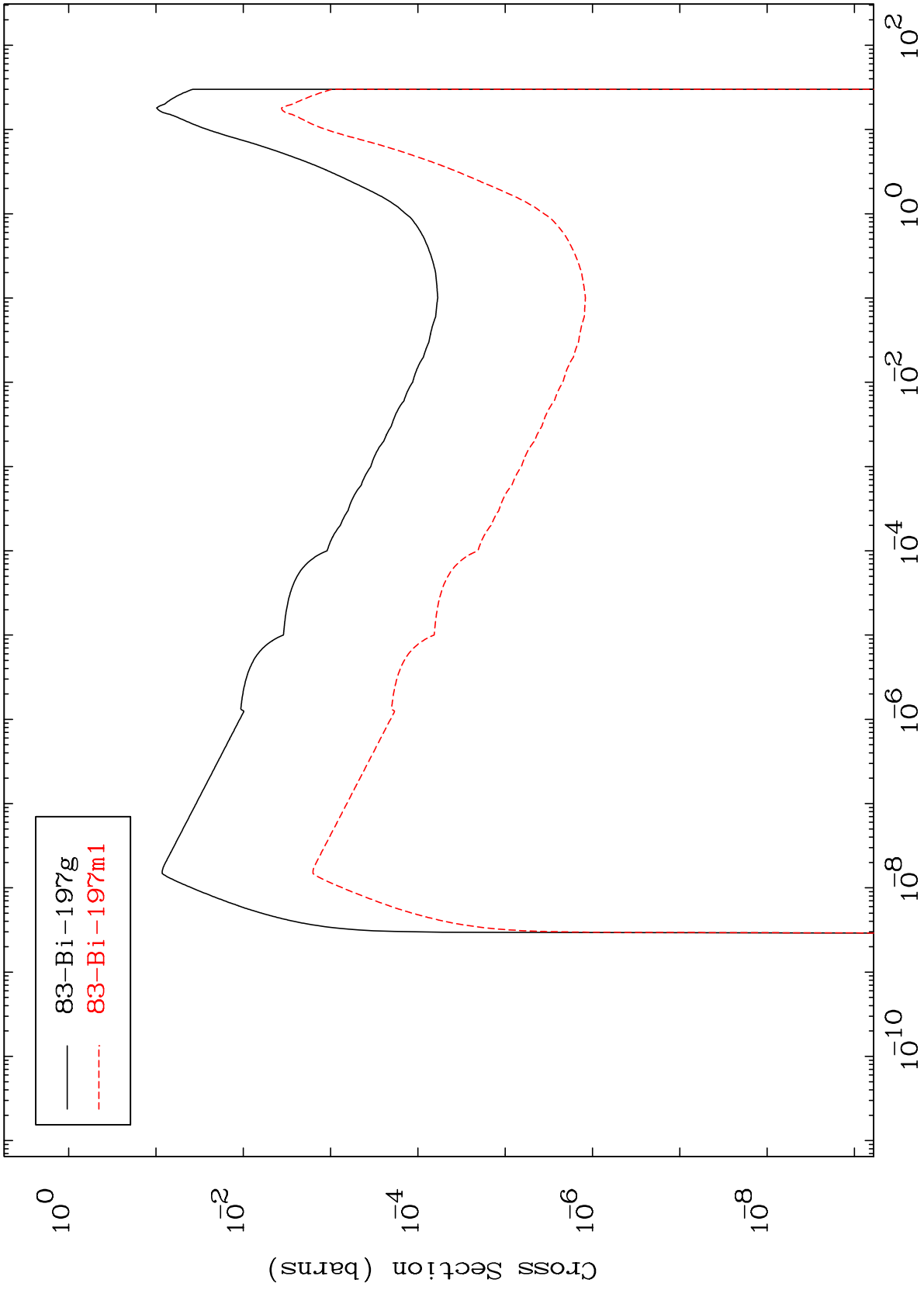
Incident Energy (MeV)

85-At-200

MAT 8517

85-At-200

Radionuclide Production Cross Section  
(n,α)



35

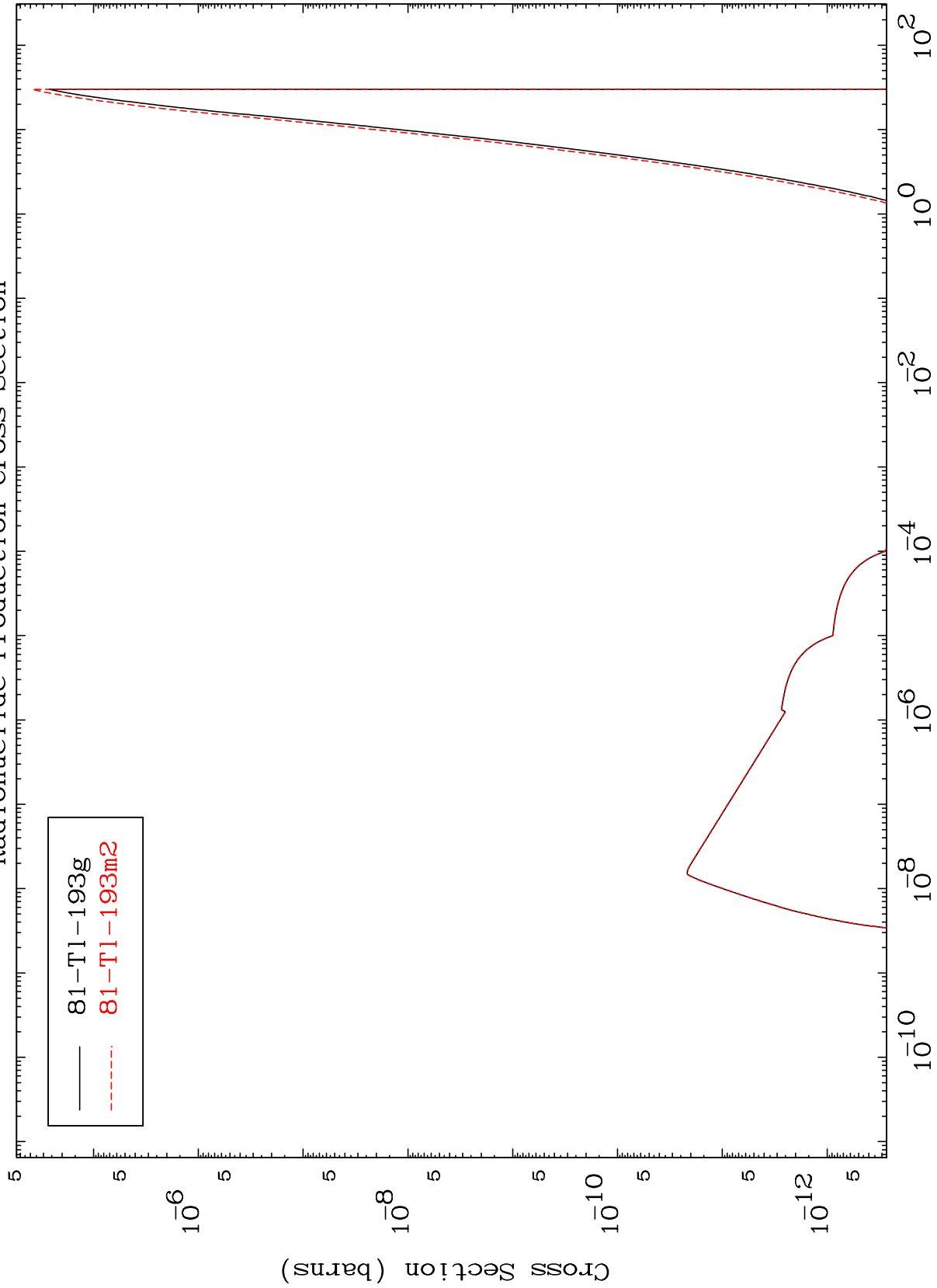
85-At-200

MAT 8517

(n,2α)

85-At-200

Radionuclide Production Cross Section



36

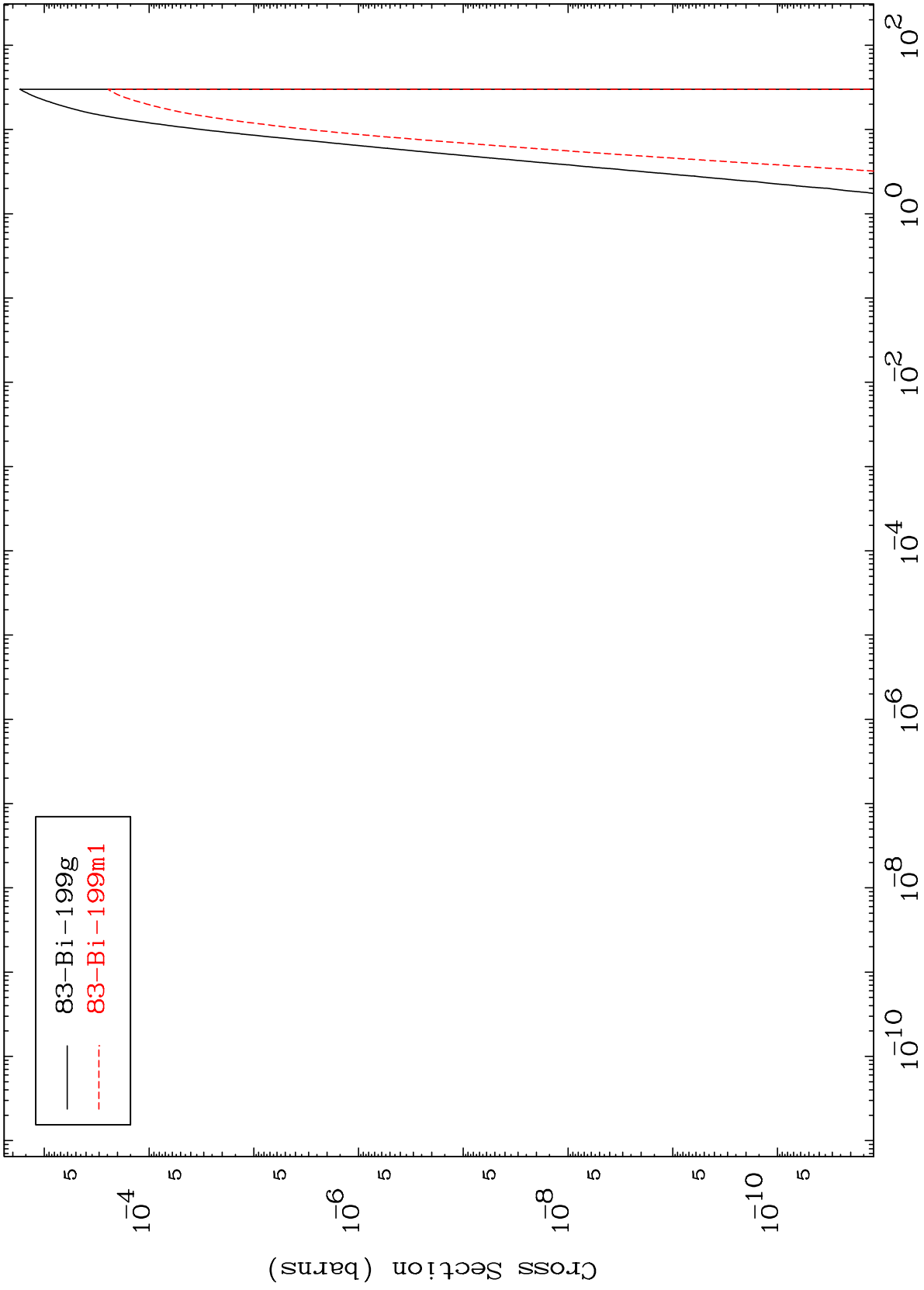
Incident Energy (MeV)

85-At-200

MAT 8517

Radionuclide Production Cross Section  
(n,2p)

85-At-200



37

Incident Energy (MeV)

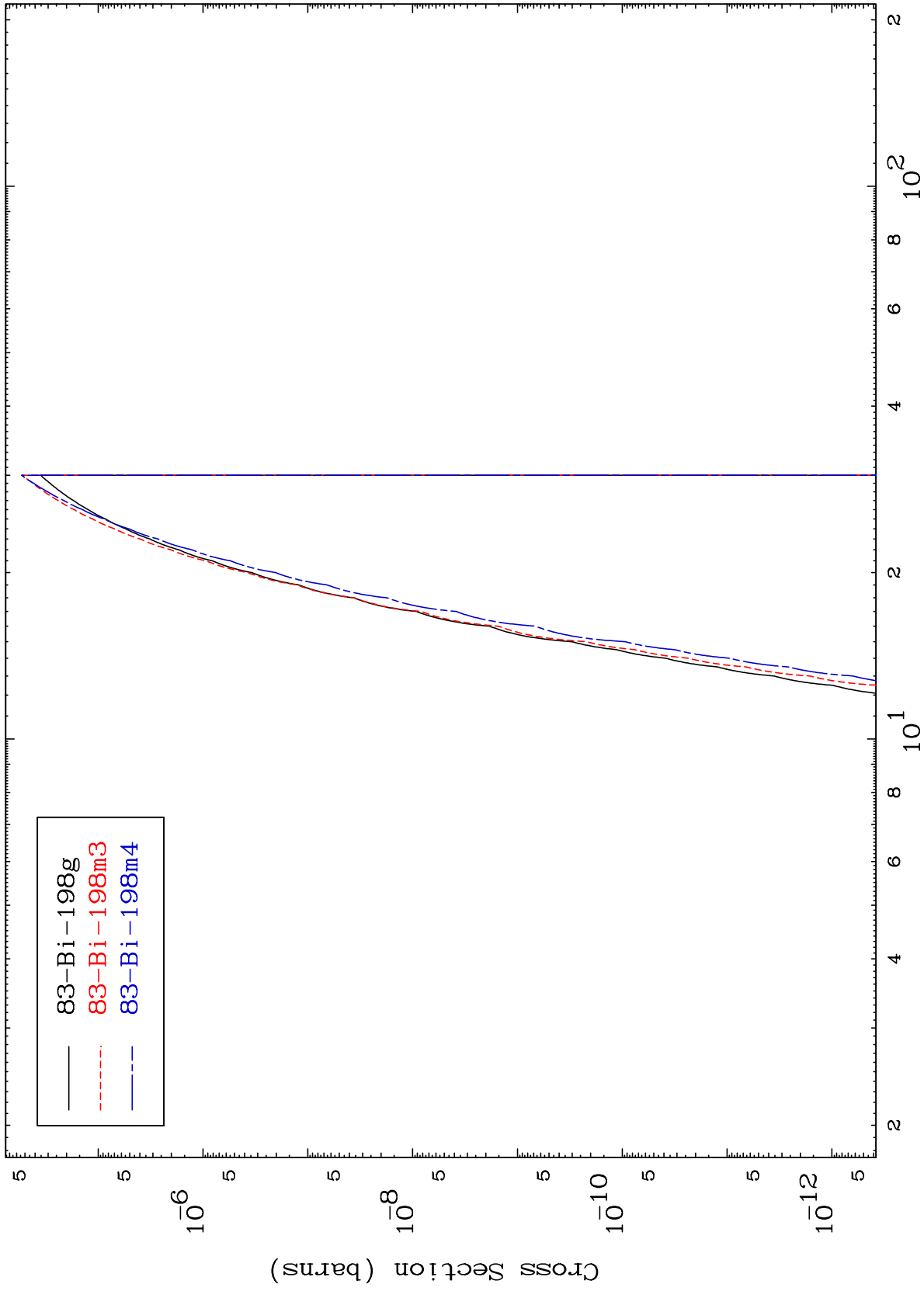
85-At-200

MAT 8517

(n,p) d

85-At-200

Radionuclide Production Cross Section



38

Incident Energy (MeV)

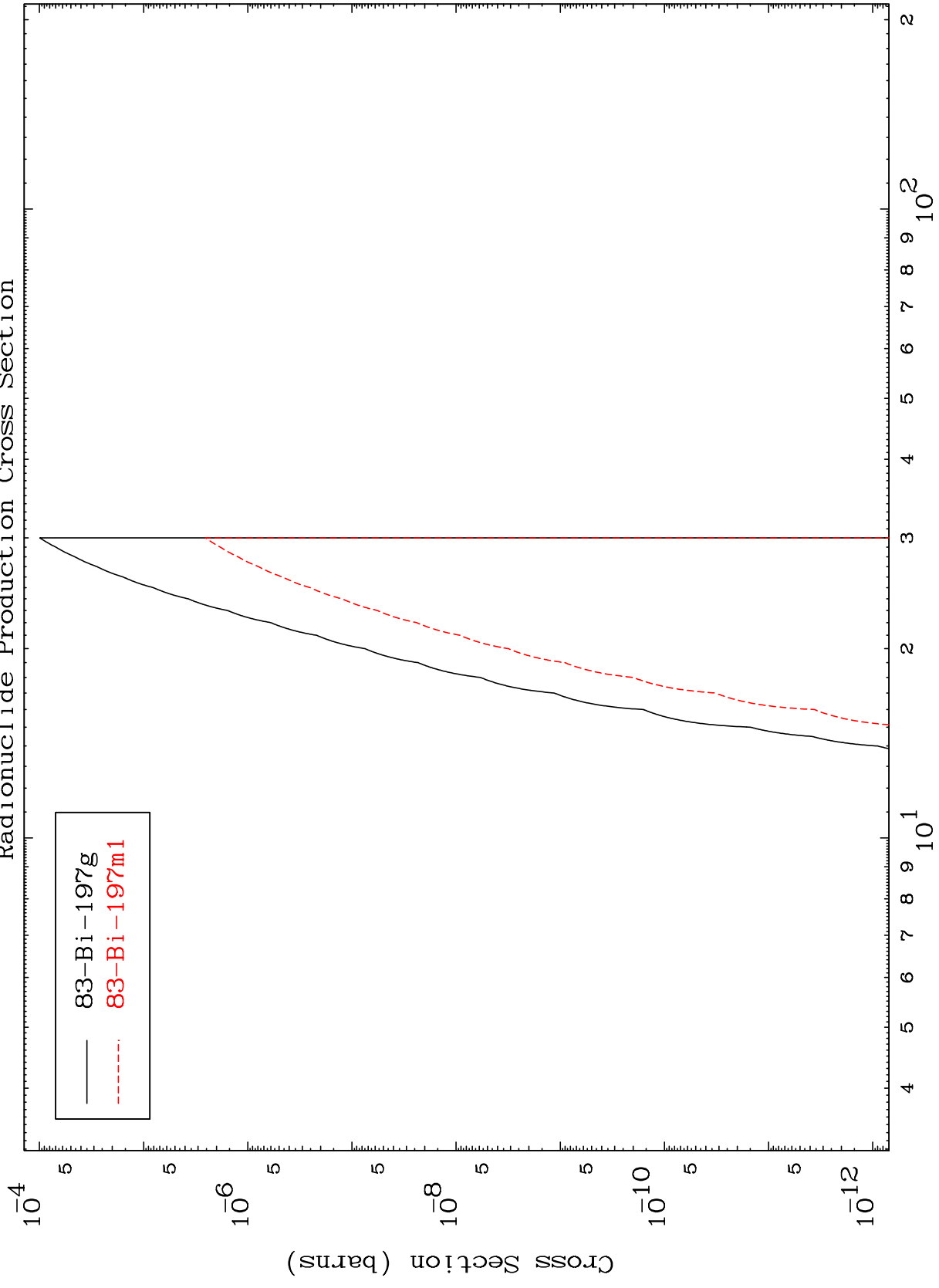
85-At-200

MAT 8517

(n,p) t

85-At-200

Radionuclide Production Cross Section



39

Incident Energy (MeV)

85-At-200

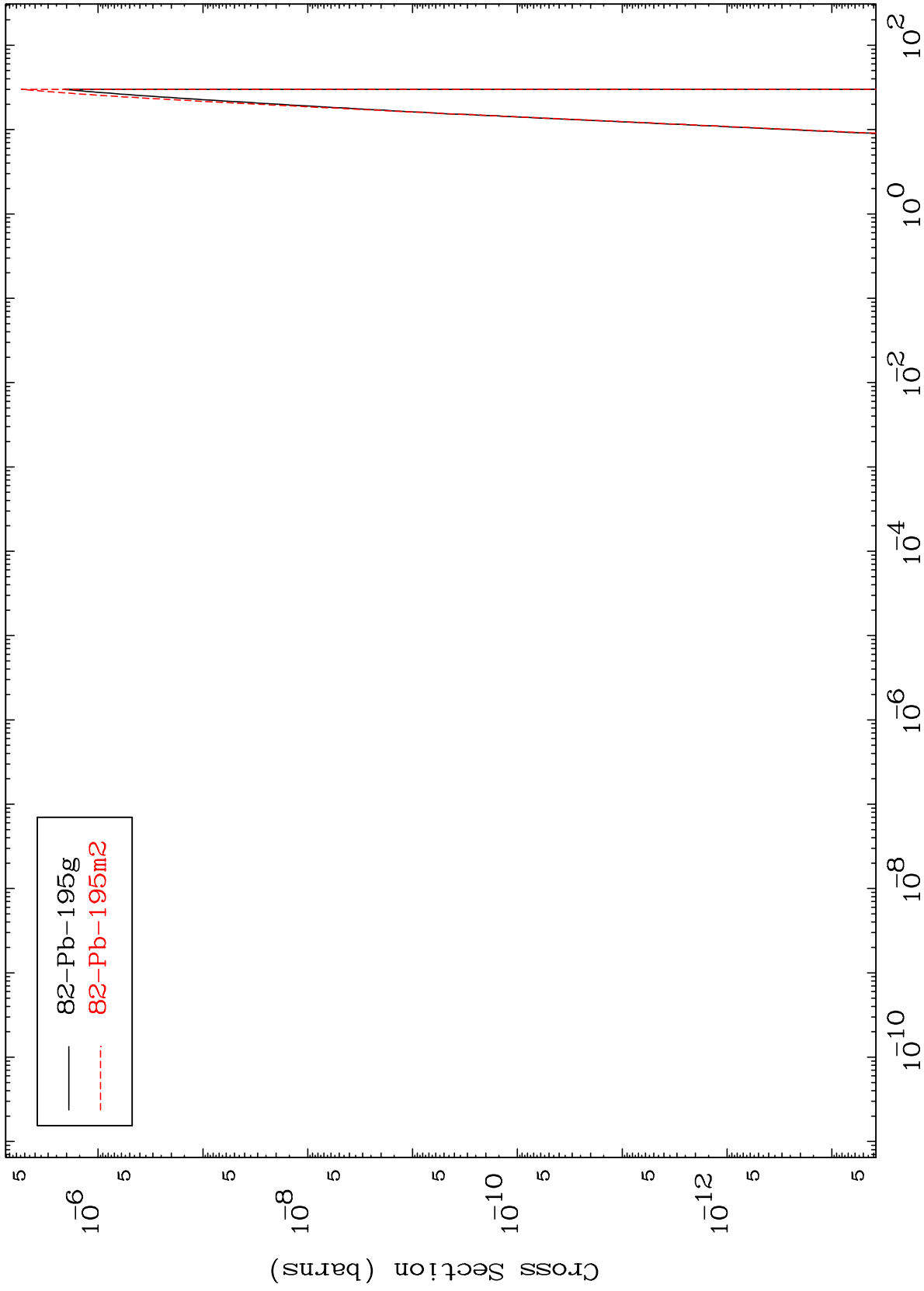


MAT 8517

(n,d)  $\alpha$

85-At-200

Radionuclide Production Cross Section



40

Incident Energy (MeV)

85-At-200