

Program EVALPLOT
(Version 2017-1)

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

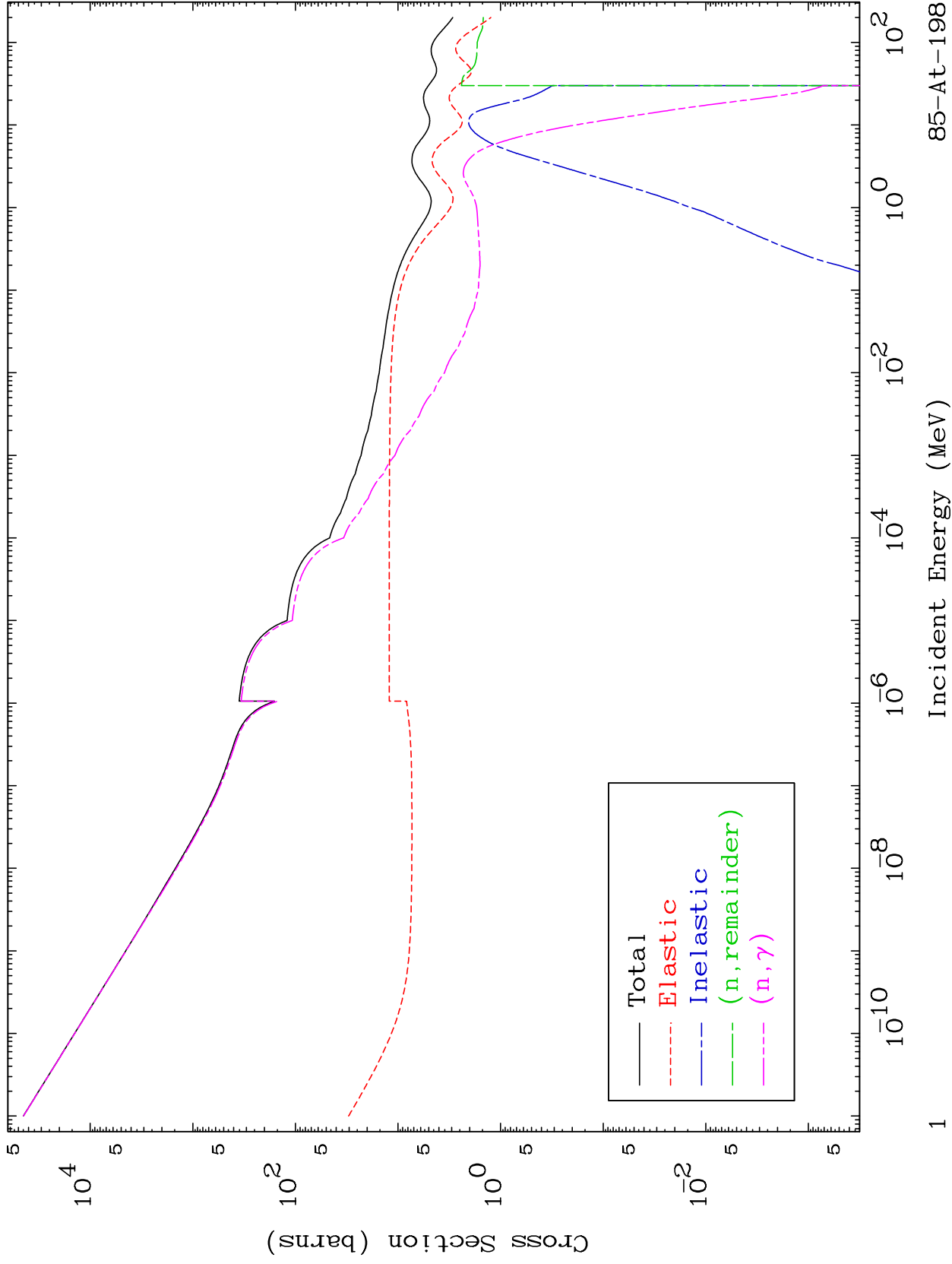
Press Mouse Button to Start

MAT 8511

Major

293 Kelvin Cross Sections

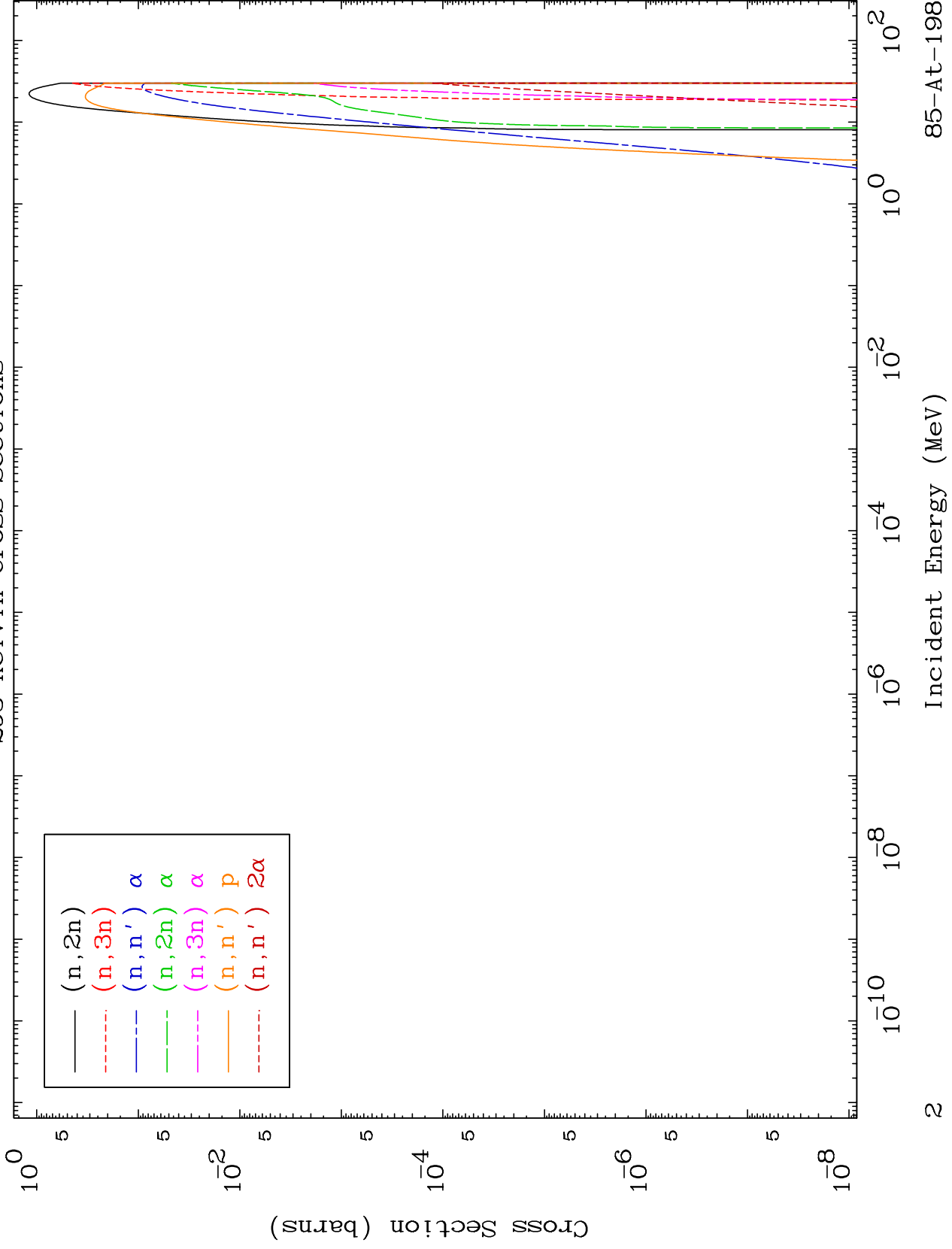
85-At-198



MAT 8511

Neutron Production
293 Kelvin Cross Sections

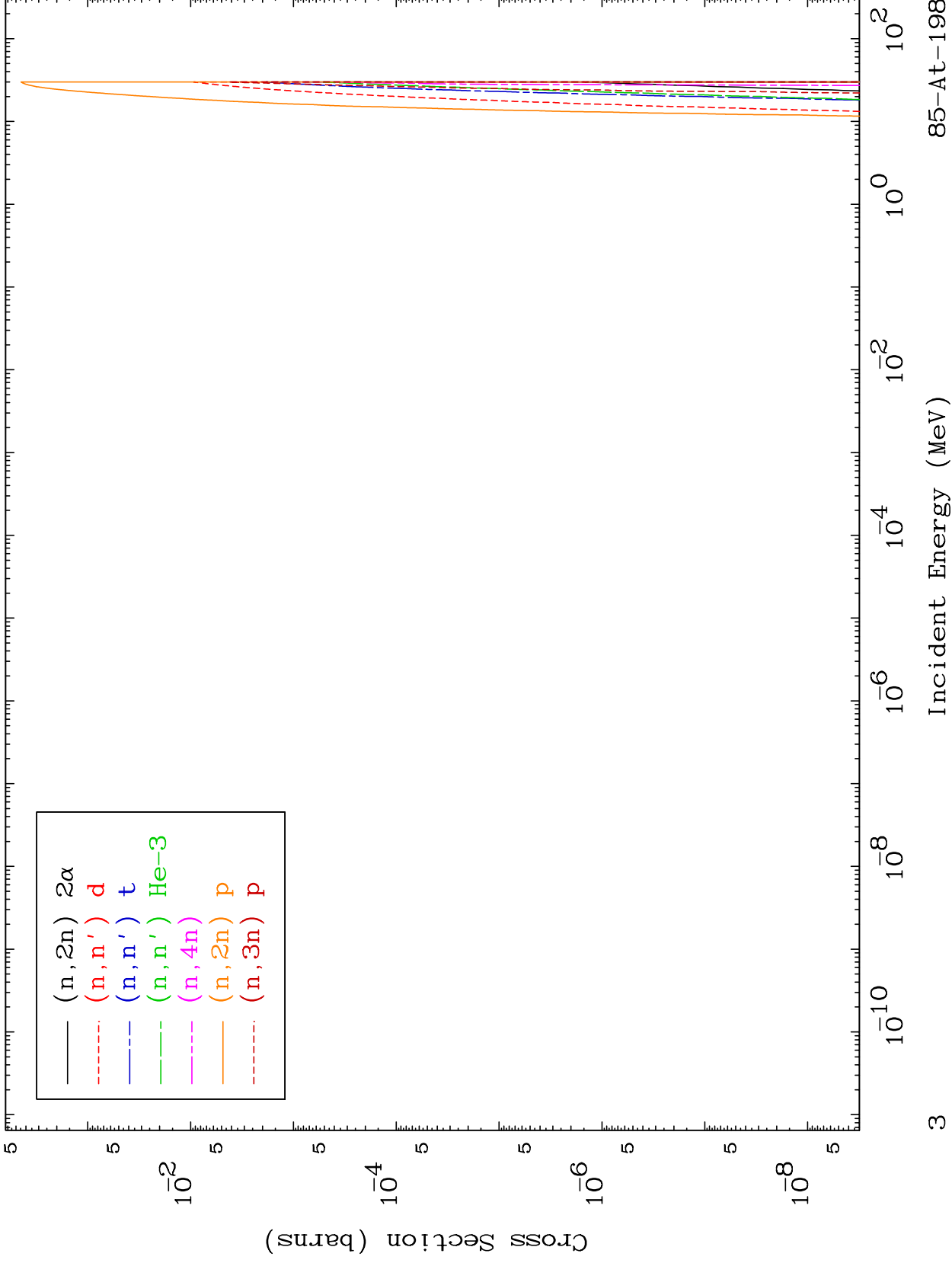
85-At-198



MAT 8511

Neutron Production
293 Kelvin Cross Sections

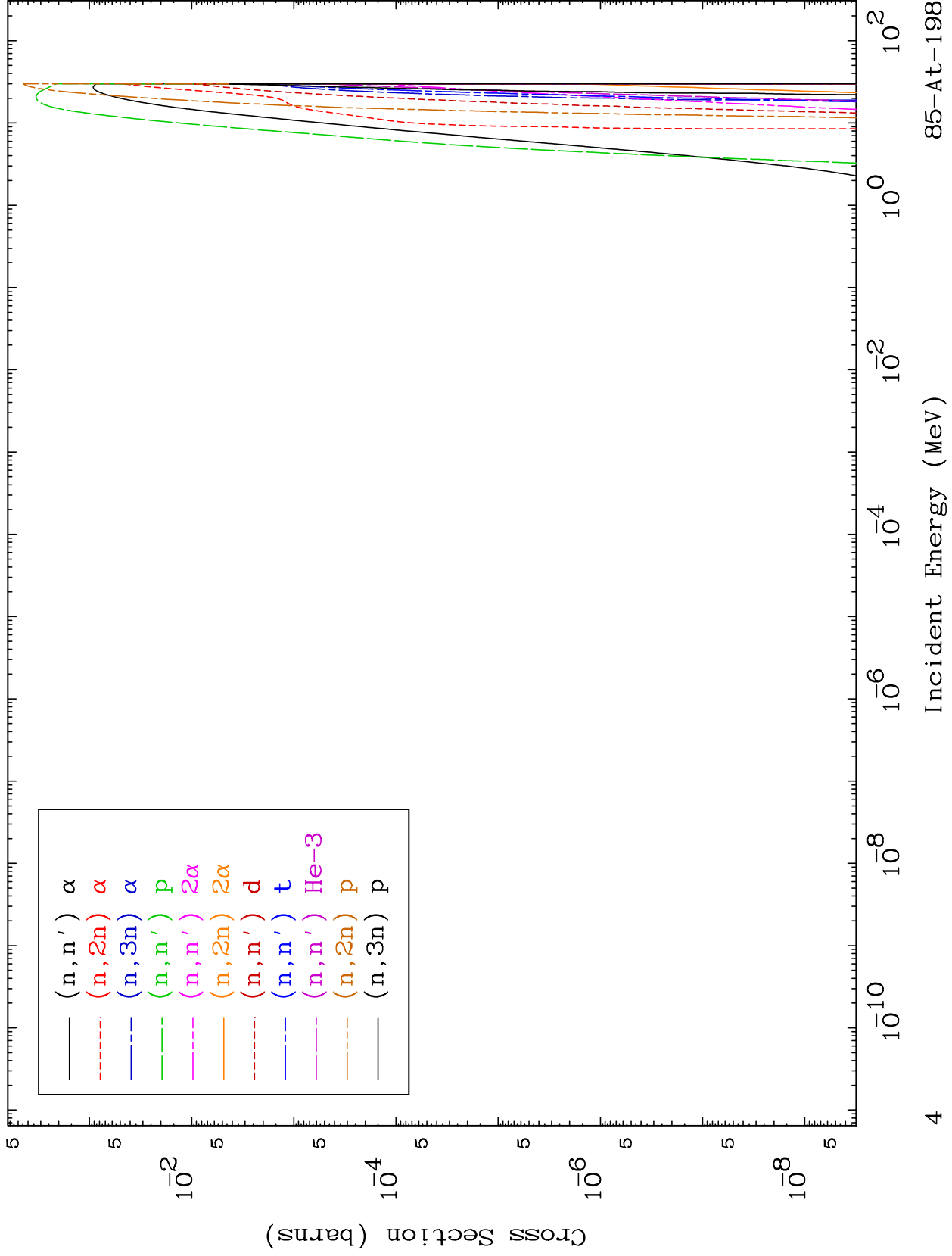
85-At-198



MAT 8511

Charged Particle
293 Kelvin Cross Sections

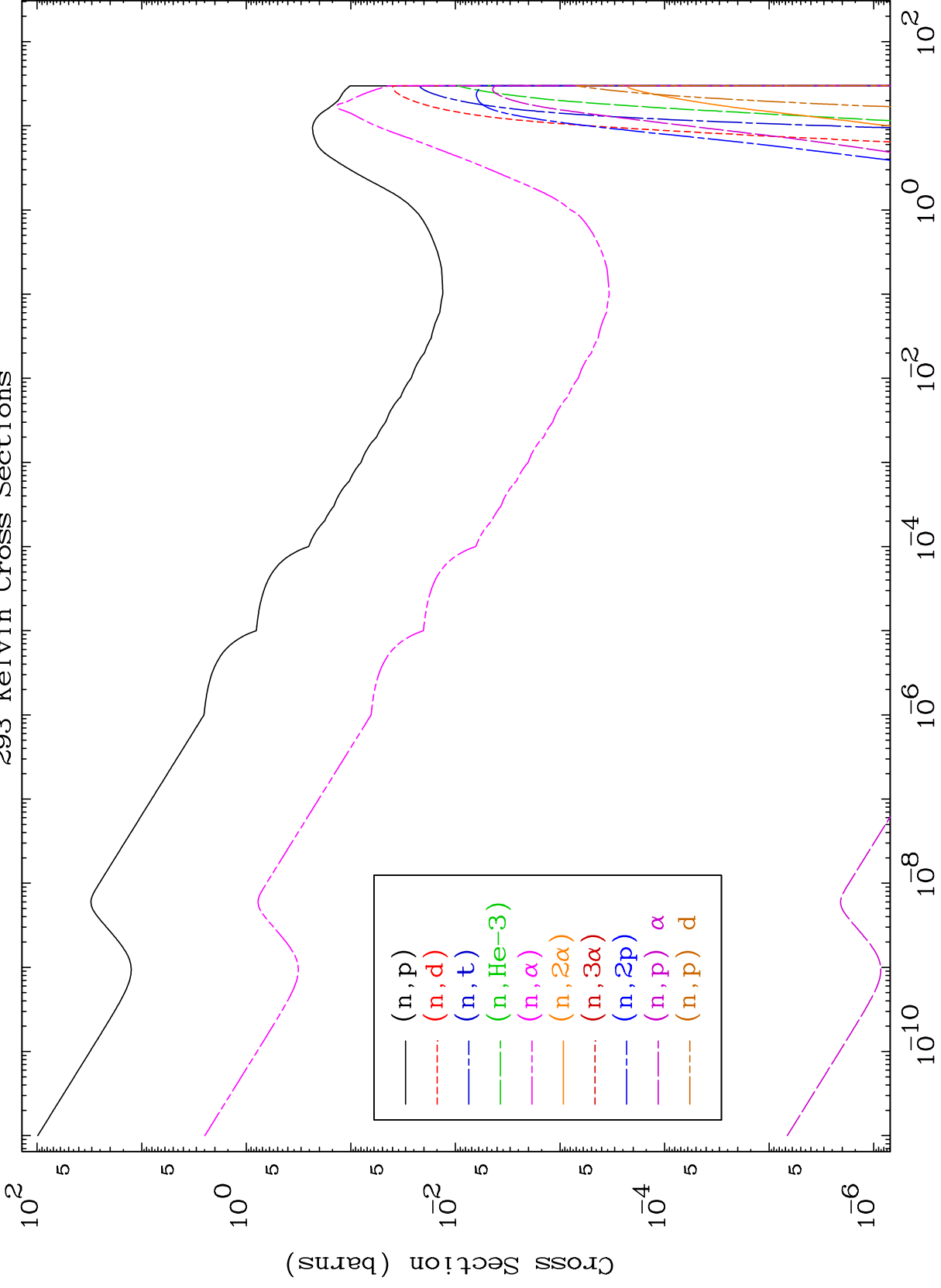
85-At-198



MAT 85111

Charged Particle
293 Kelvin Cross Sections

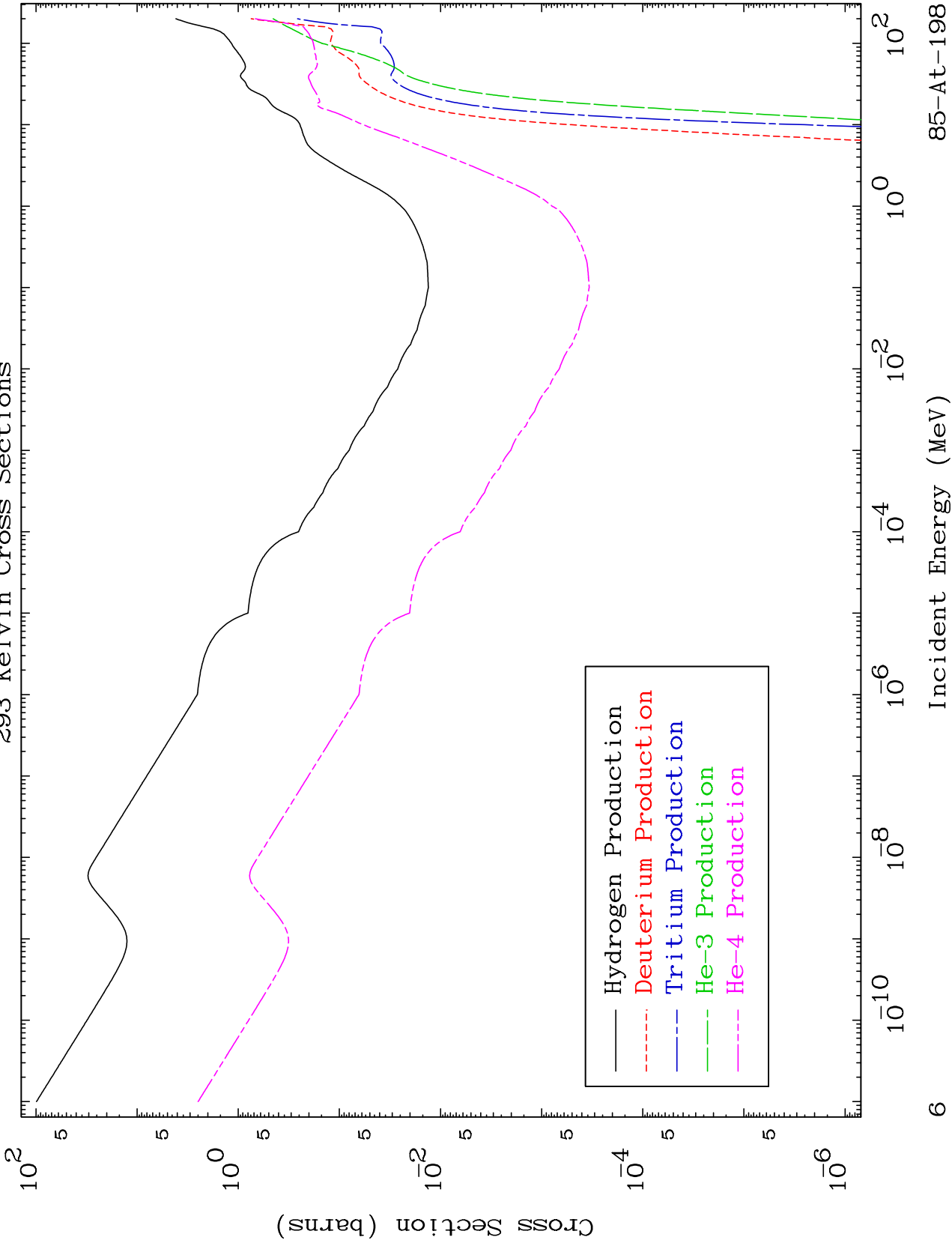
85-At-198



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Incident Energy (MeV)

85-At-198

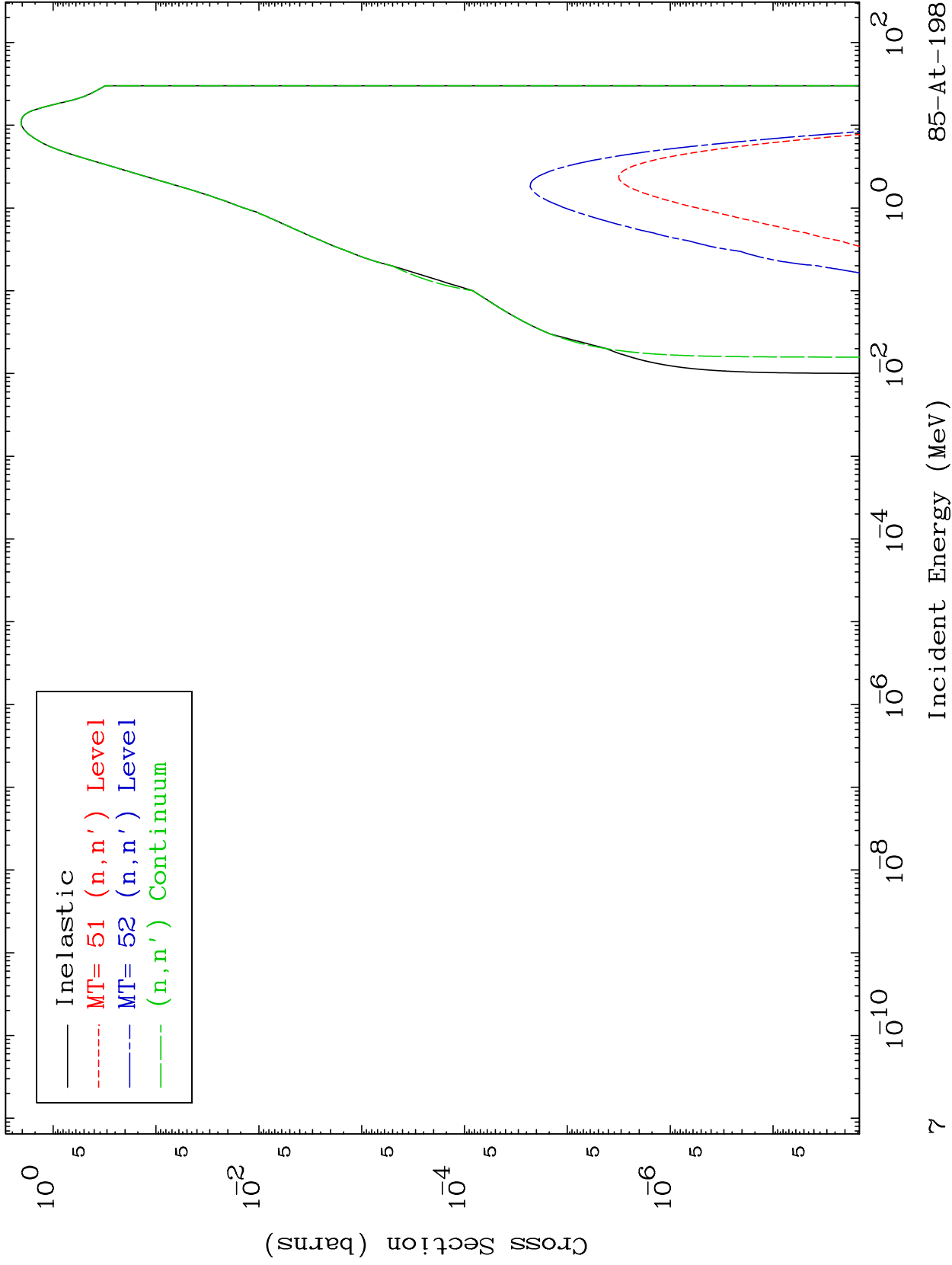


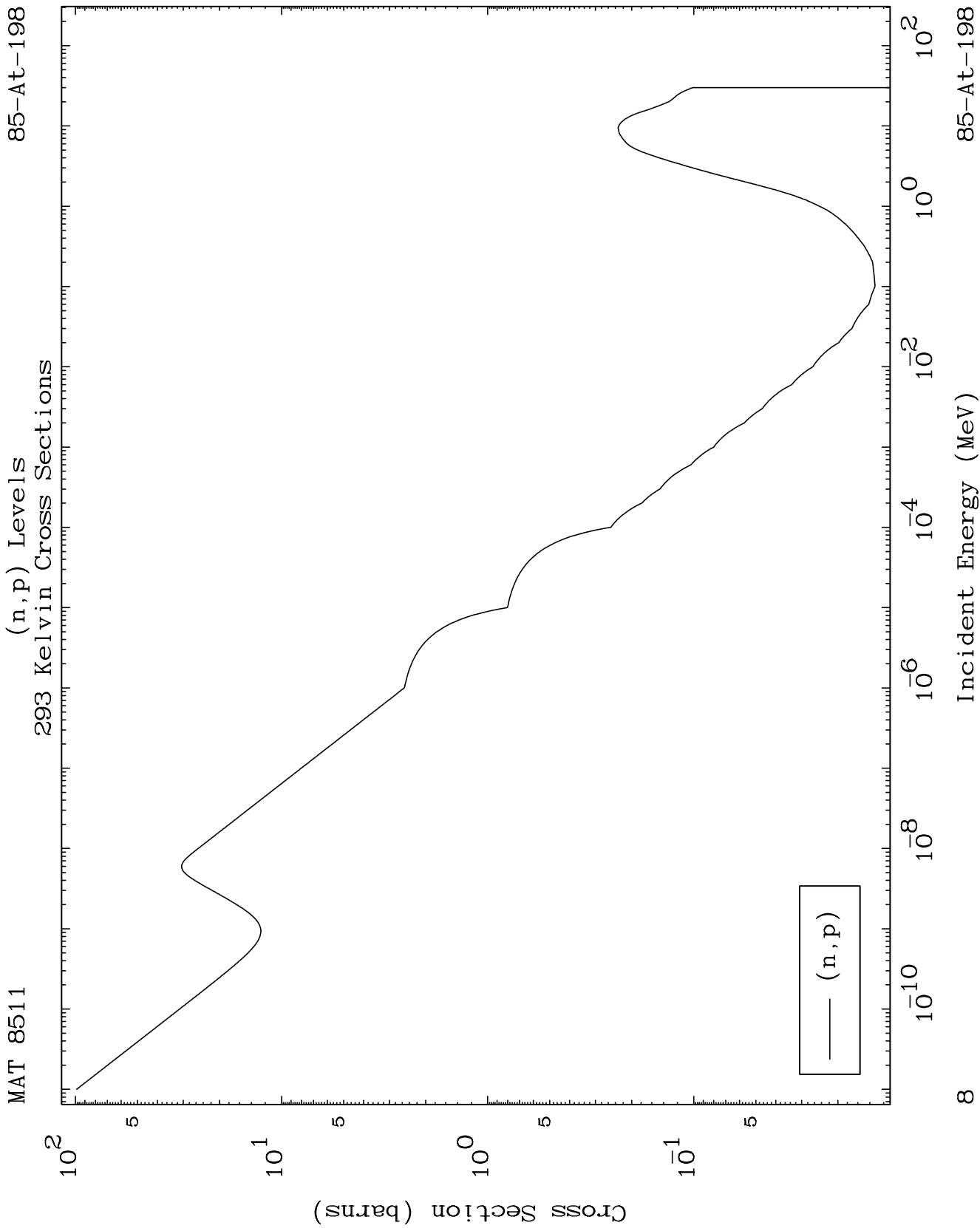
MAT 8511

(n,n') Level

85-At-198

293 Kelvin Cross Sections

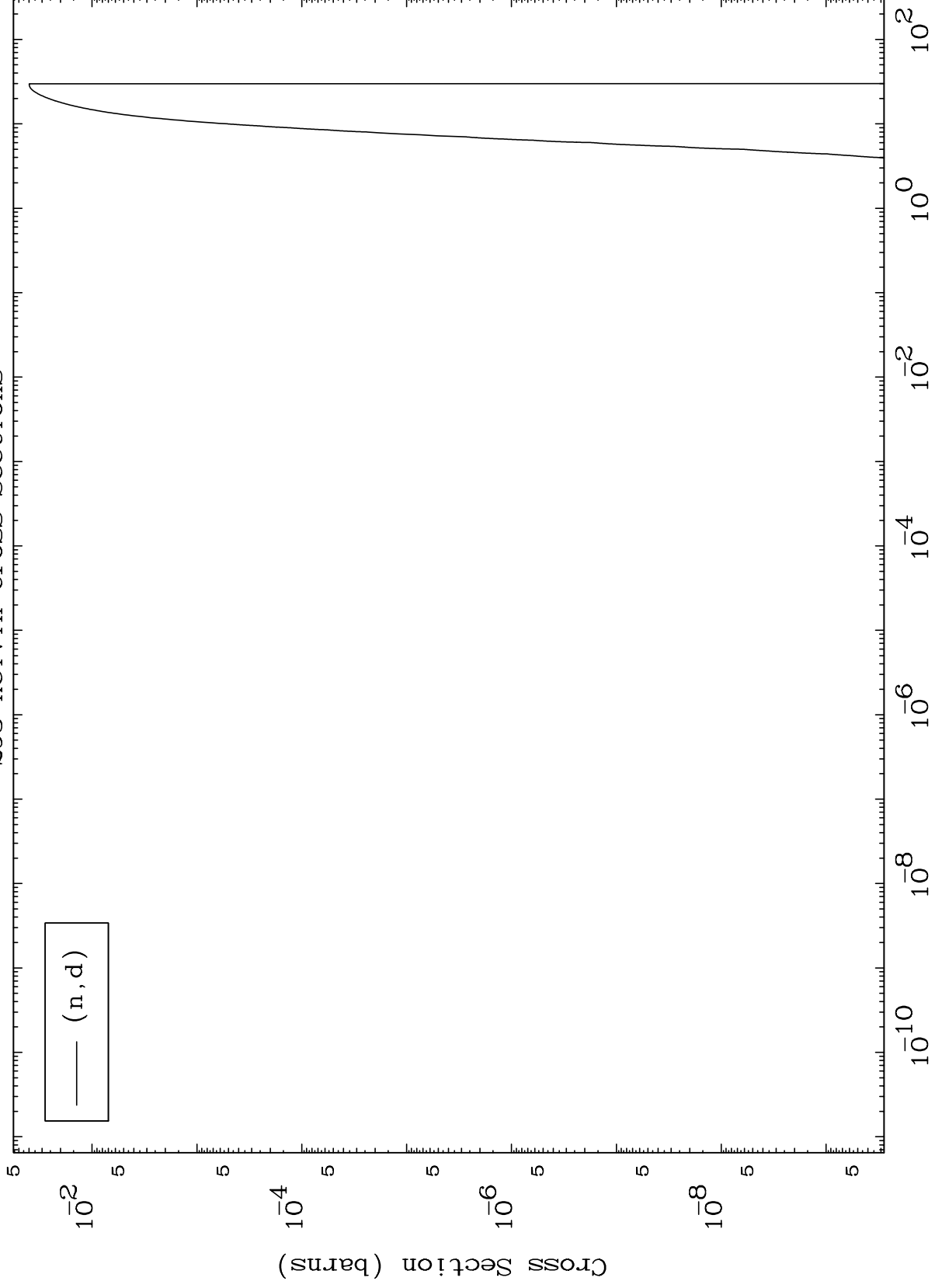




MAT 8511

(n,d) Levels
293 Kelvin Cross Sections

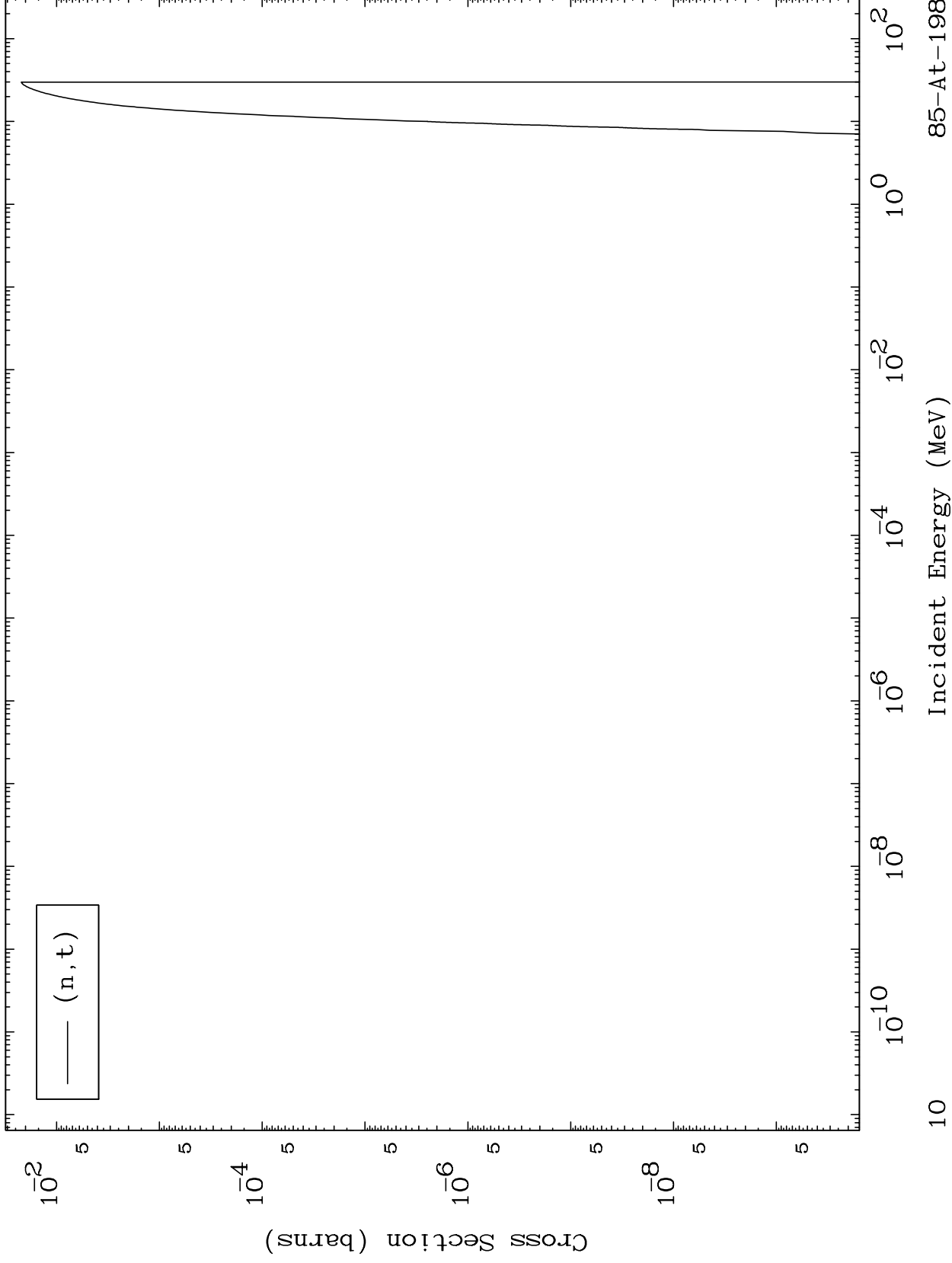
85-At-198



MAT 8511

(n,t) Levels
293 Kelvin Cross Sections

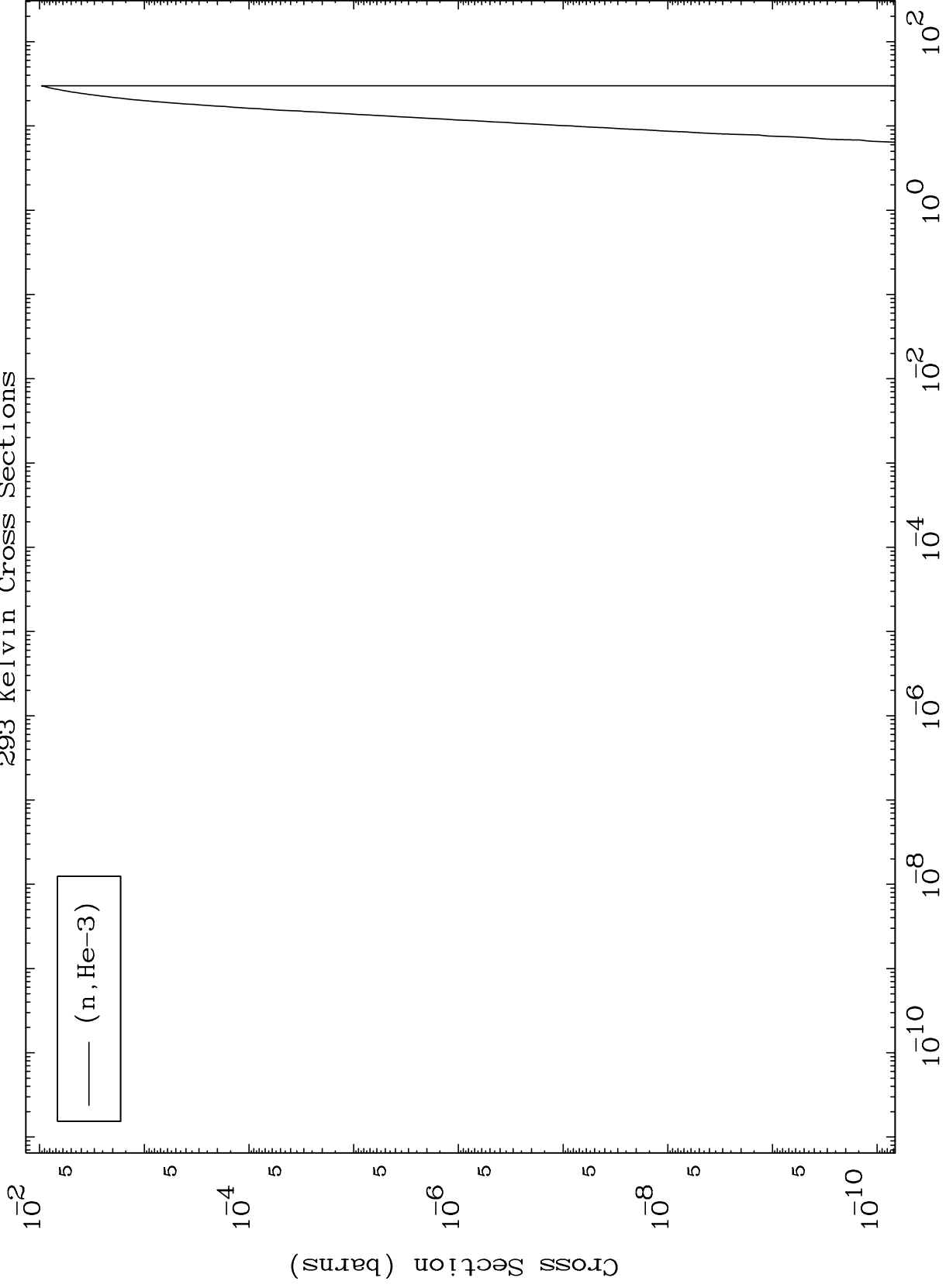
85-At-198



MAT 8511

(n,He3) Levels
293 Kelvin Cross Sections

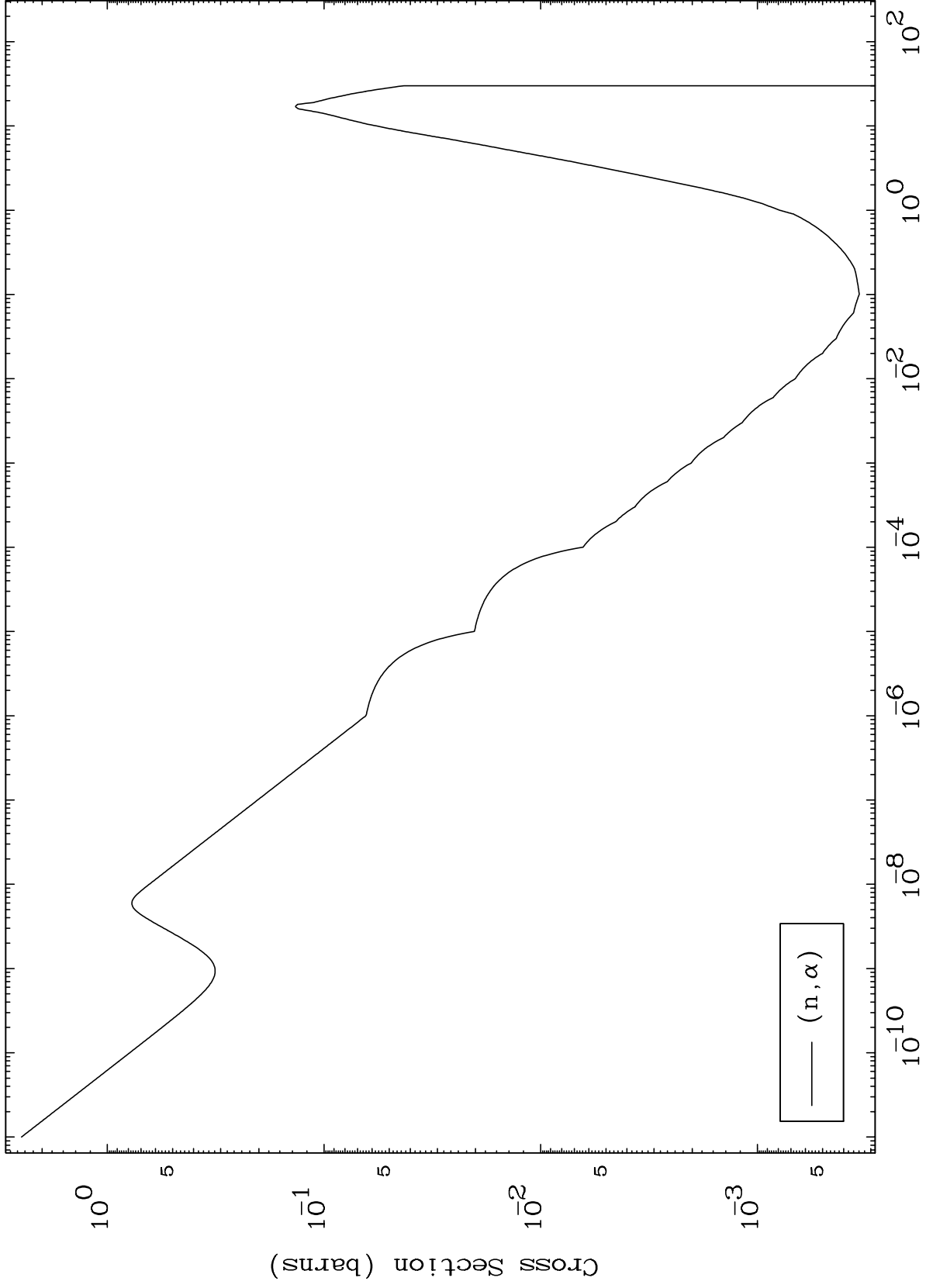
85-At-198



MAT 8511

(n,α) Levels
293 Kelvin Cross Sections

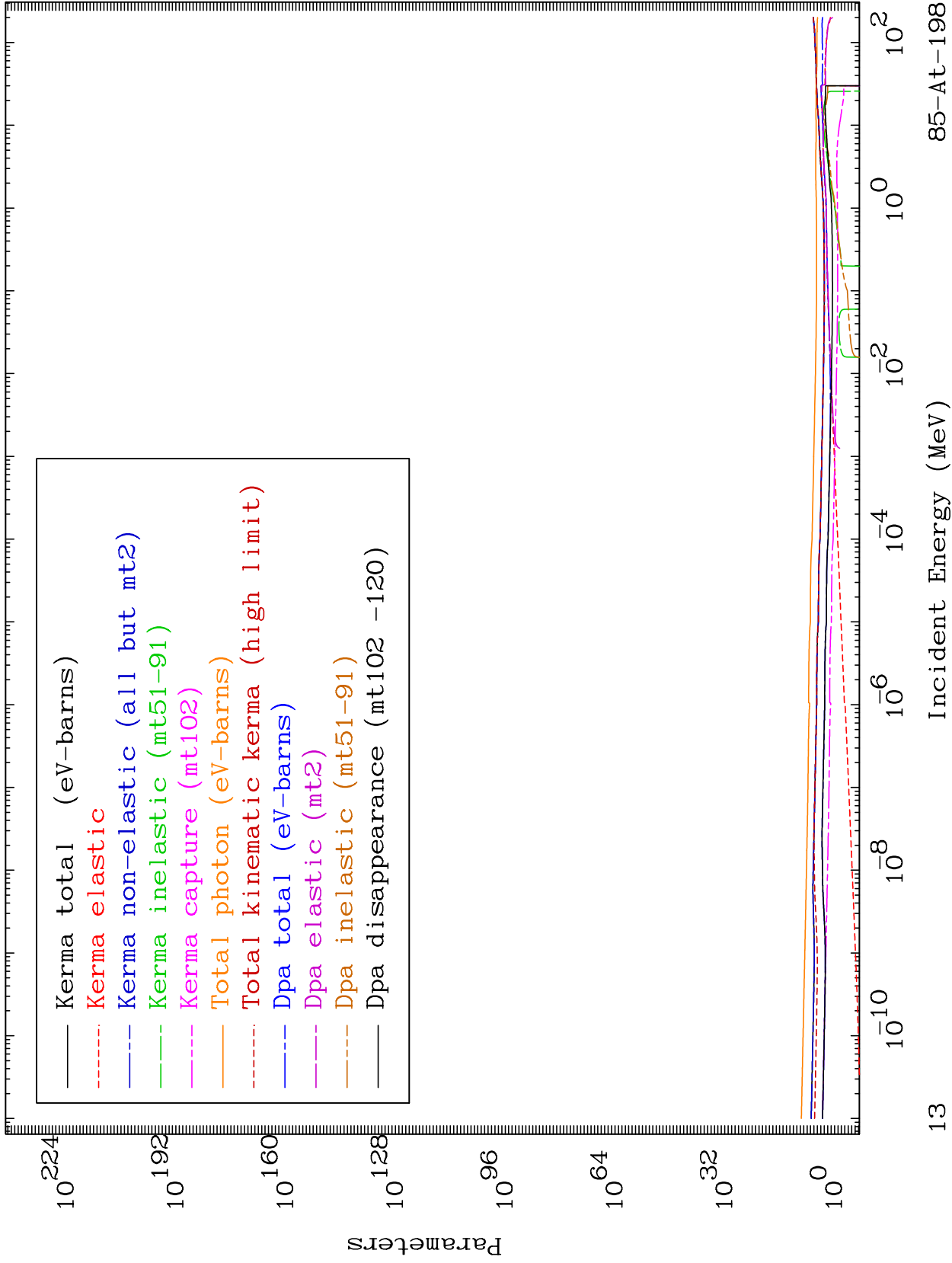
85-At-198



12

Incident Energy (MeV)

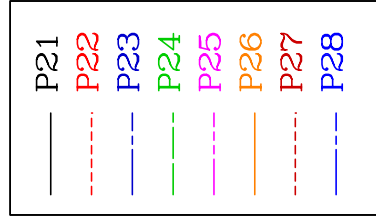
85-At-198



MAT 8511

Elastic
Legendre Coefficients

85-At-198



$\times 10^{-6}$

1.5

1.0

0.5

0.0

Legendre (CM)

15

20

25

30

16

Incident Energy (MeV)

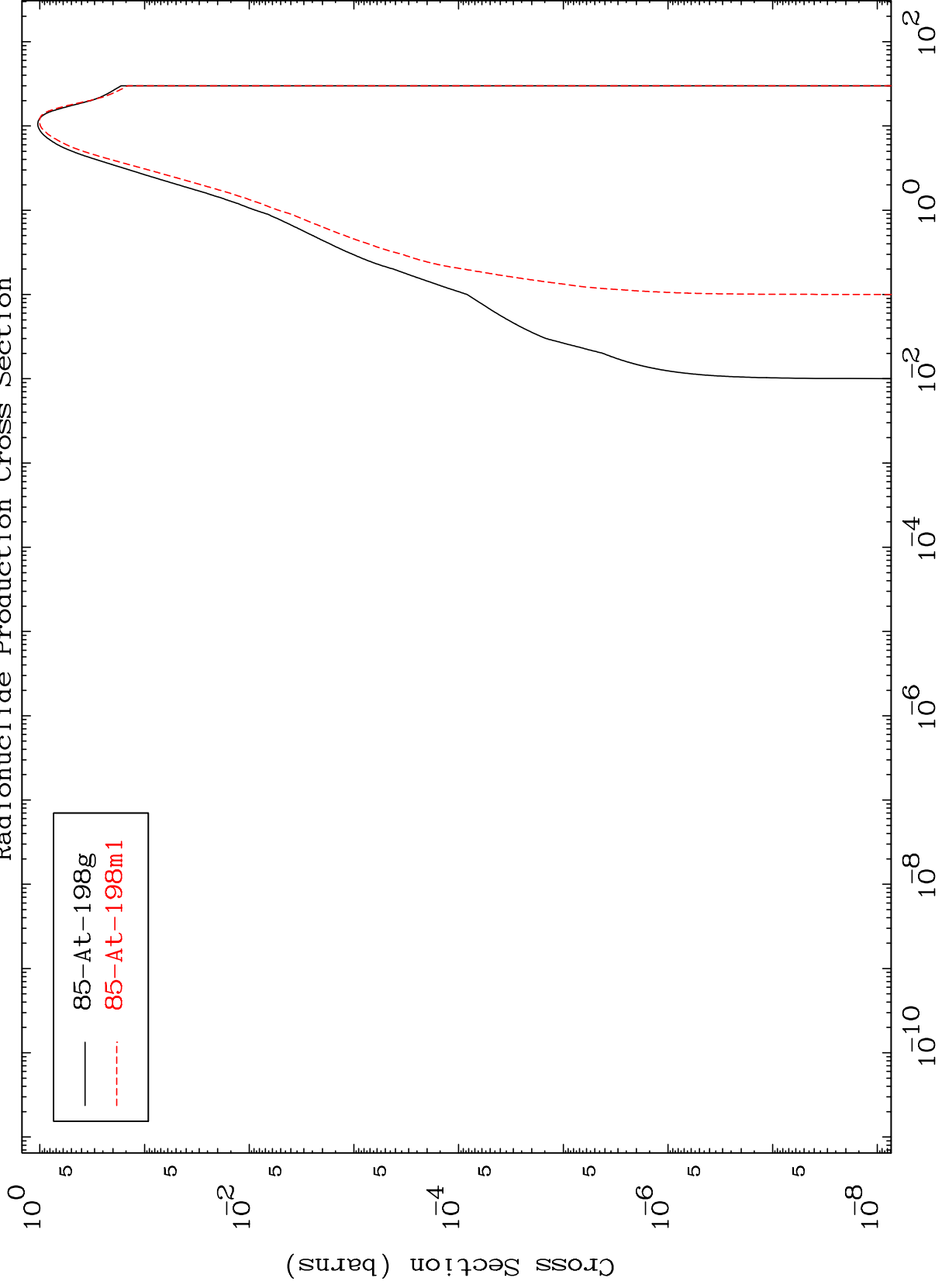
85-At-198



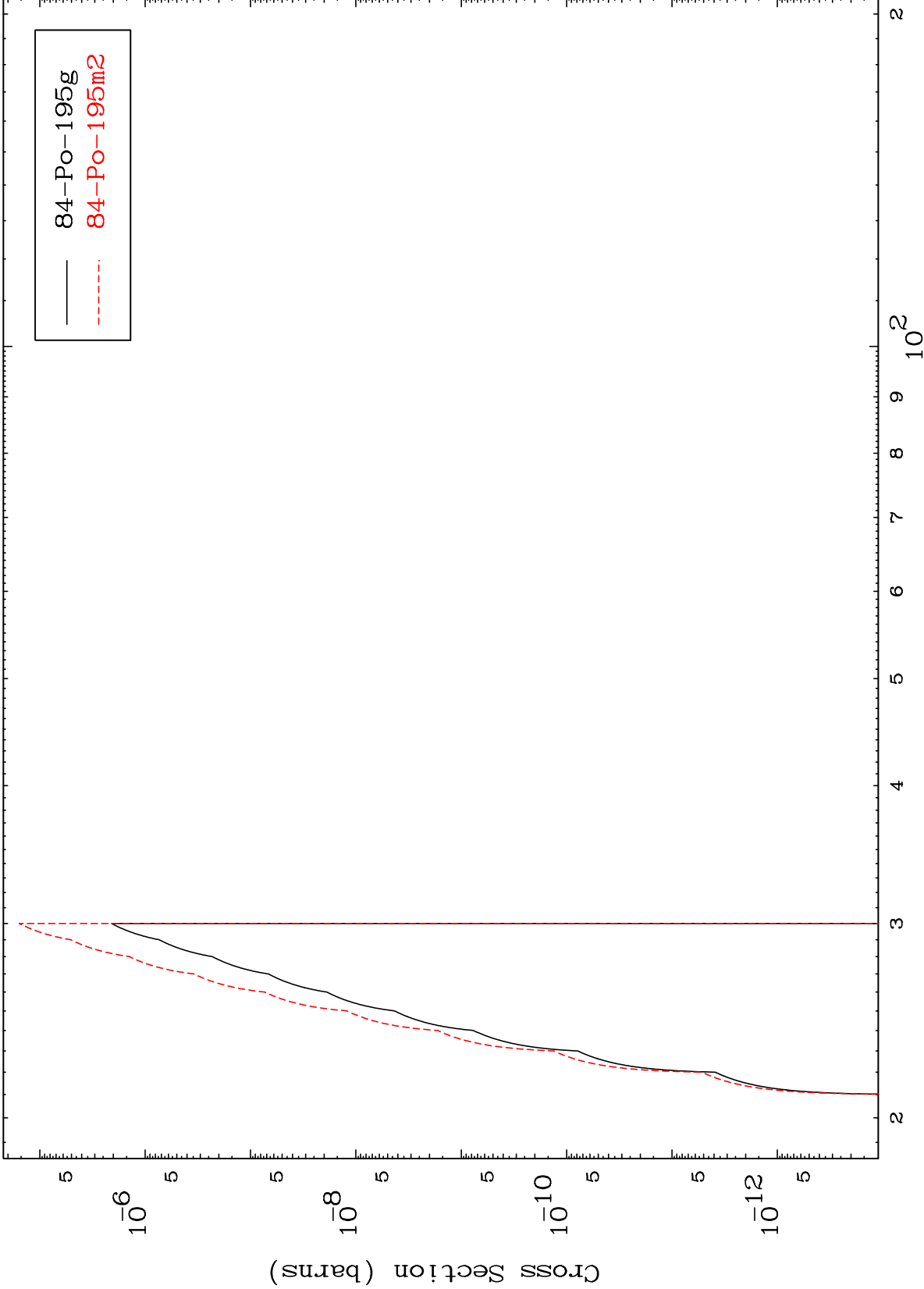
MAT 8511

Inelastic
Radionuclide Production Cross Section

85-At-198



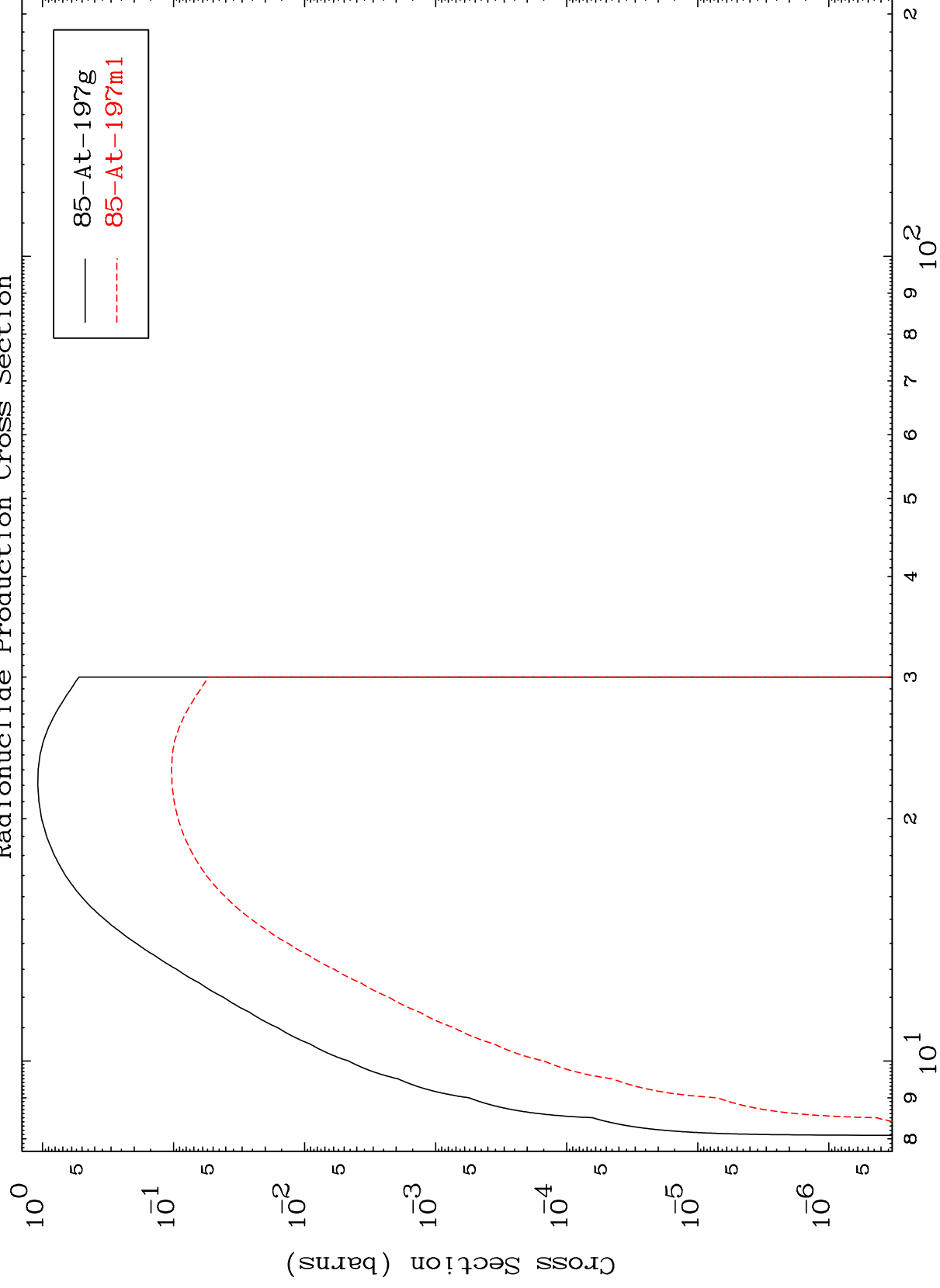
Radionuclide Production Cross Section



MAT 85111

85-At-198

(n,2n)
Radionuclide Production Cross Section



19

Incident Energy (MeV)

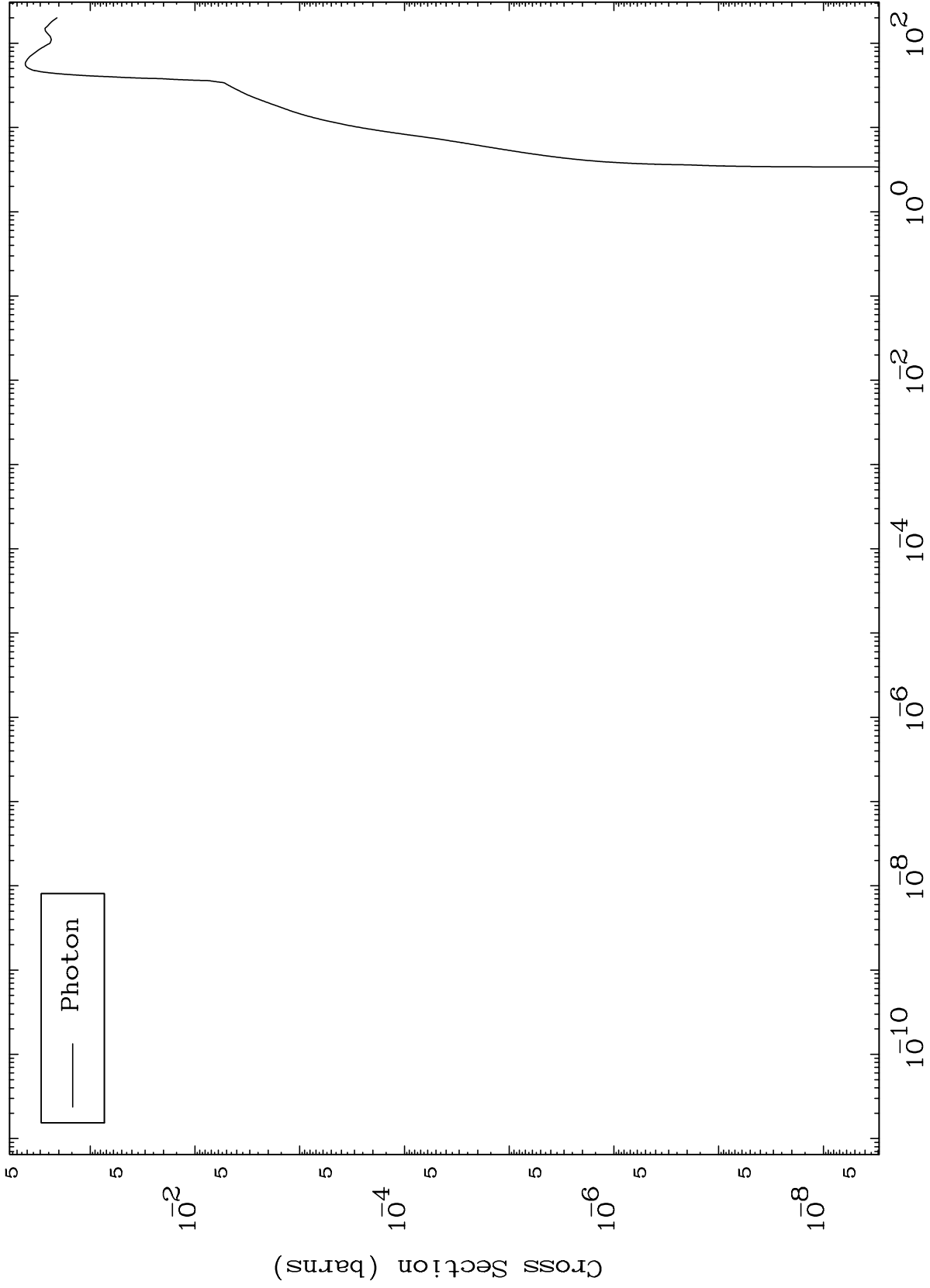
85-At-198

MAT 8511

Fission

85-At-198

Radionuclide Production Cross Section



20

Incident Energy (MeV)

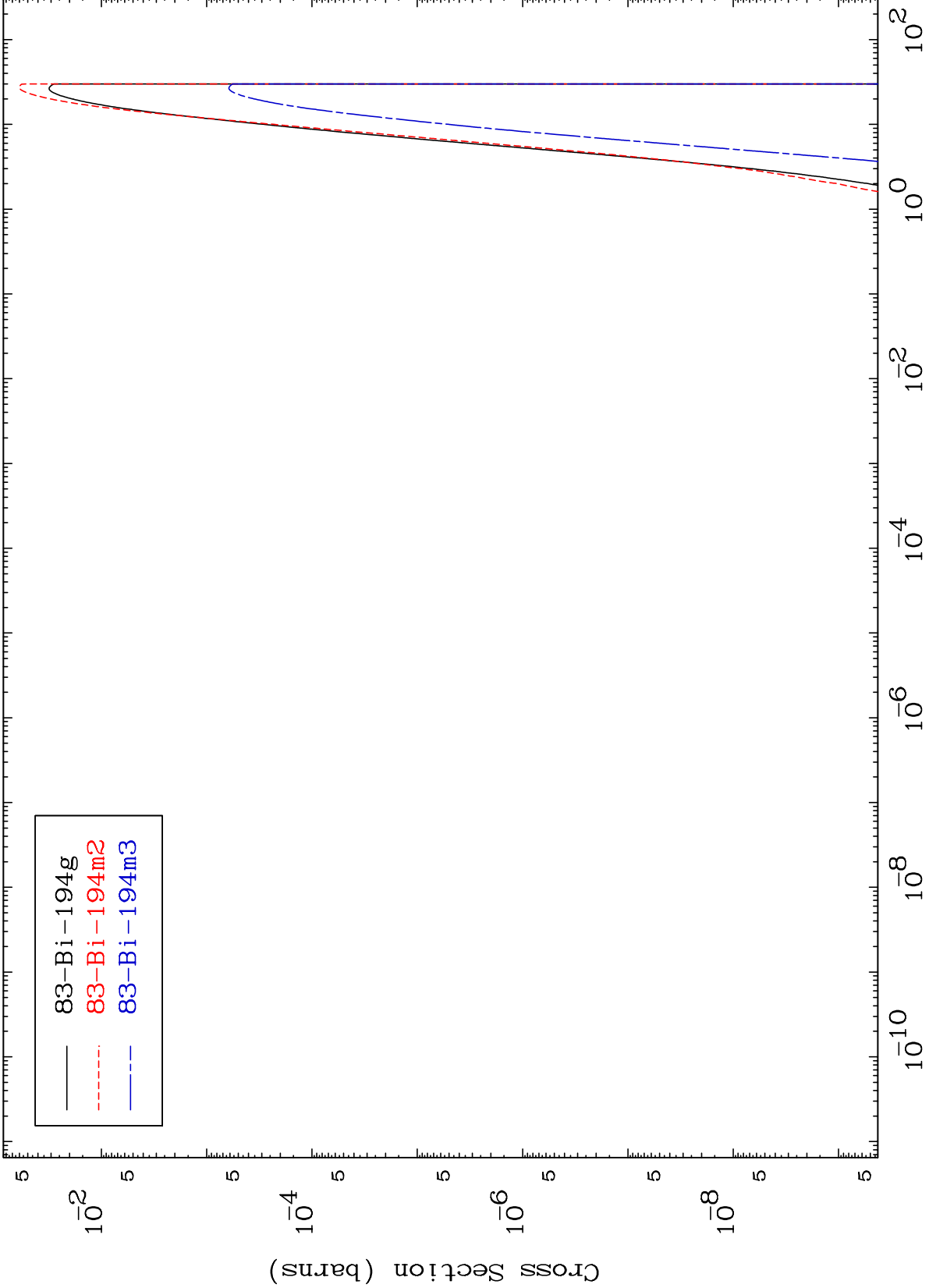
85-At-198

MAT 8511

$(n, n') \alpha$

85-At-198

Radionuclide Production Cross Section

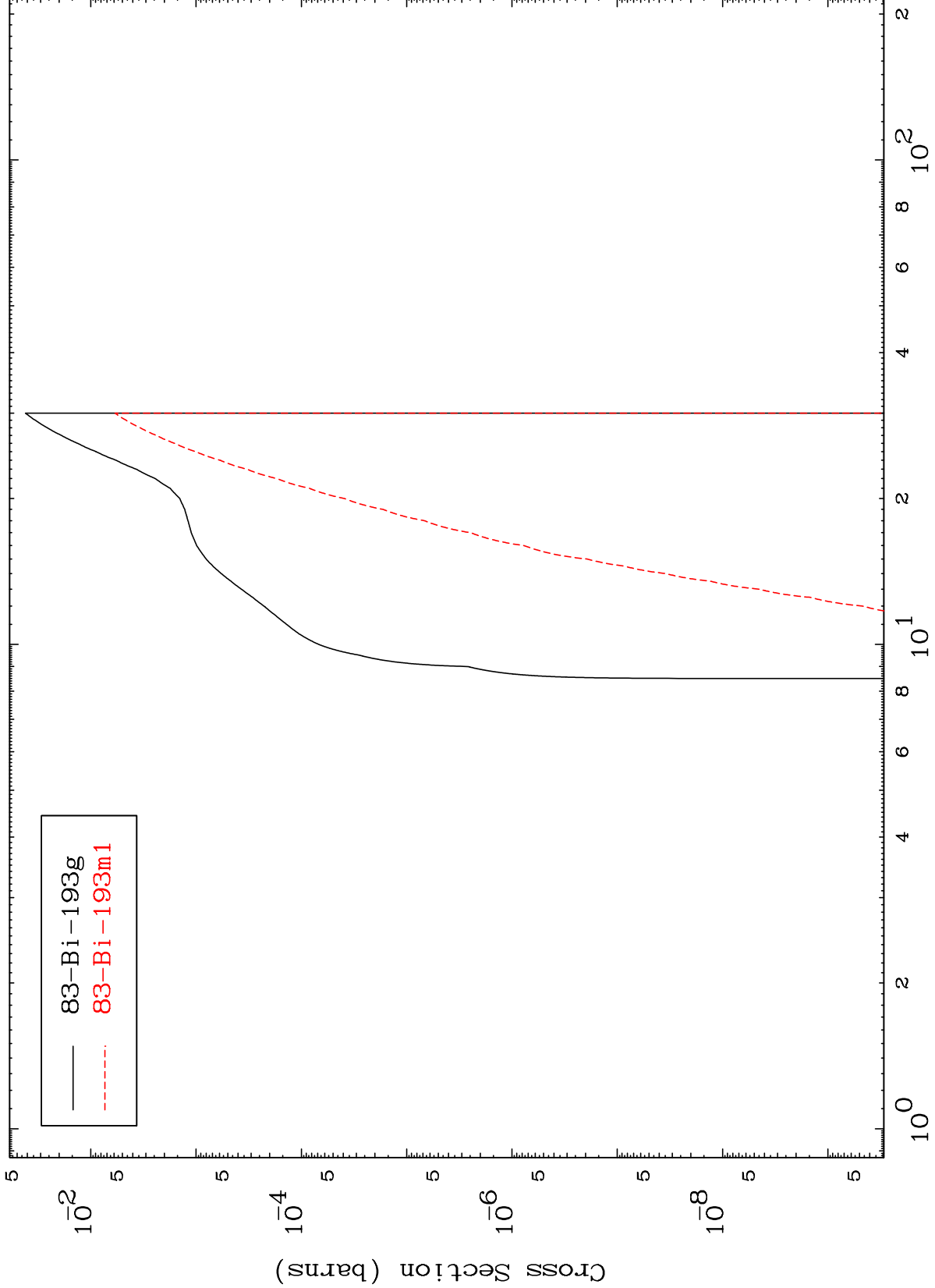


MAT 8511

(n,2n) α

85-At-198

Radionuclide Production Cross Section



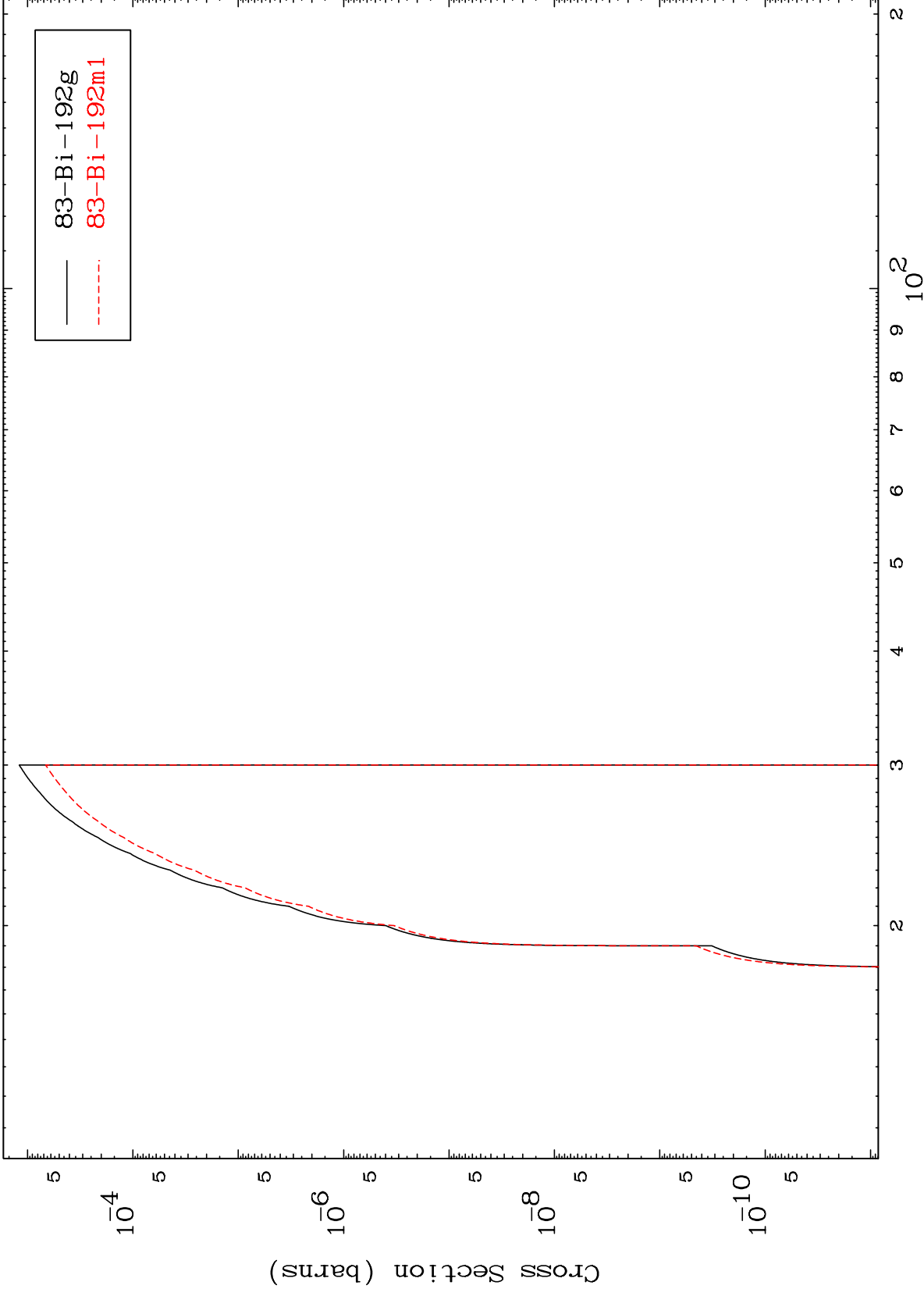
83-Bi-193g
83-Bi-193m1

22

Incident Energy (MeV)

85-At-198

Radionuclide Production Cross Section

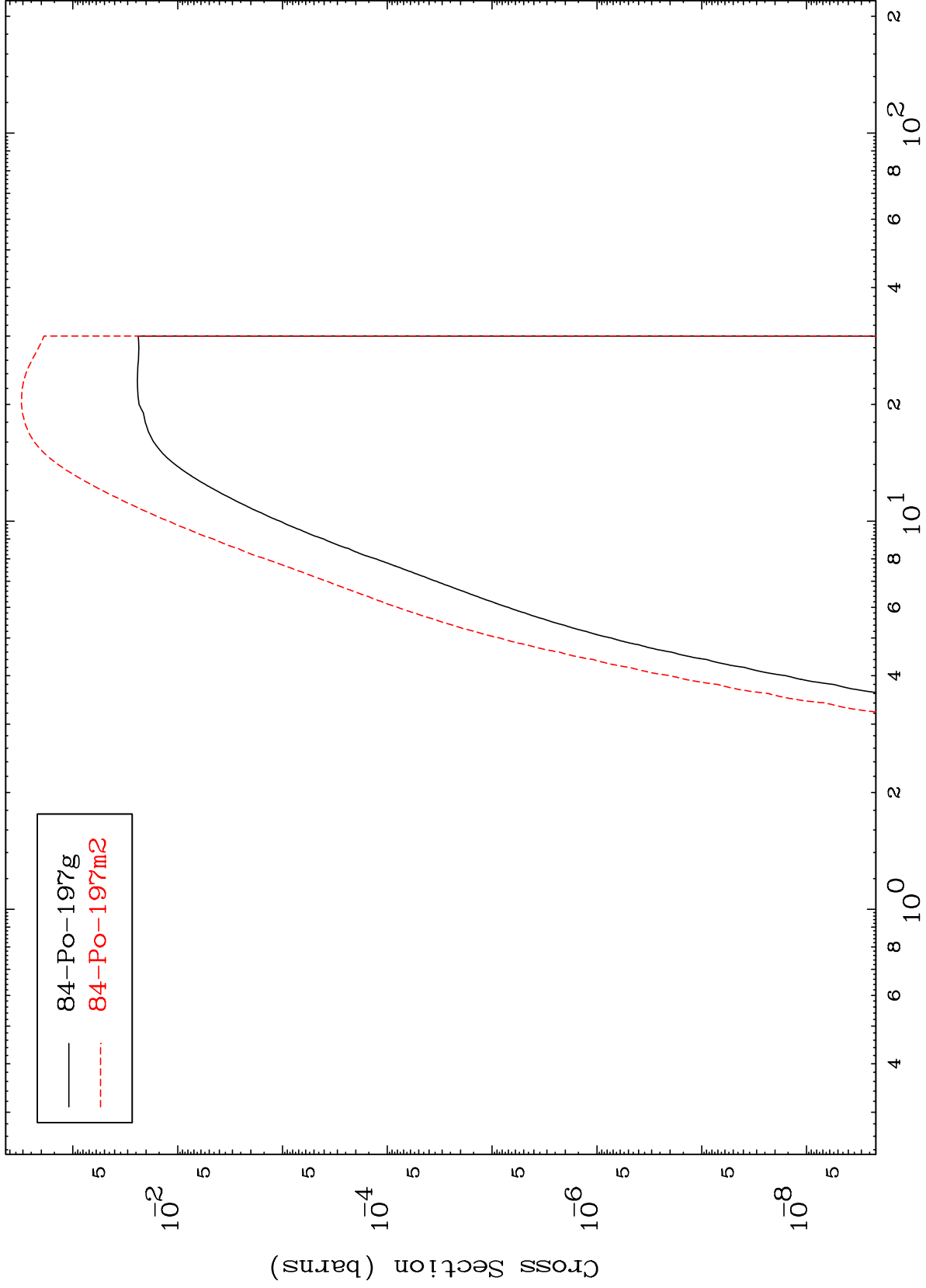


MAT 8511

(n,n') p

85-At-198

Radionuclide Production Cross Section



24

Incident Energy (MeV)

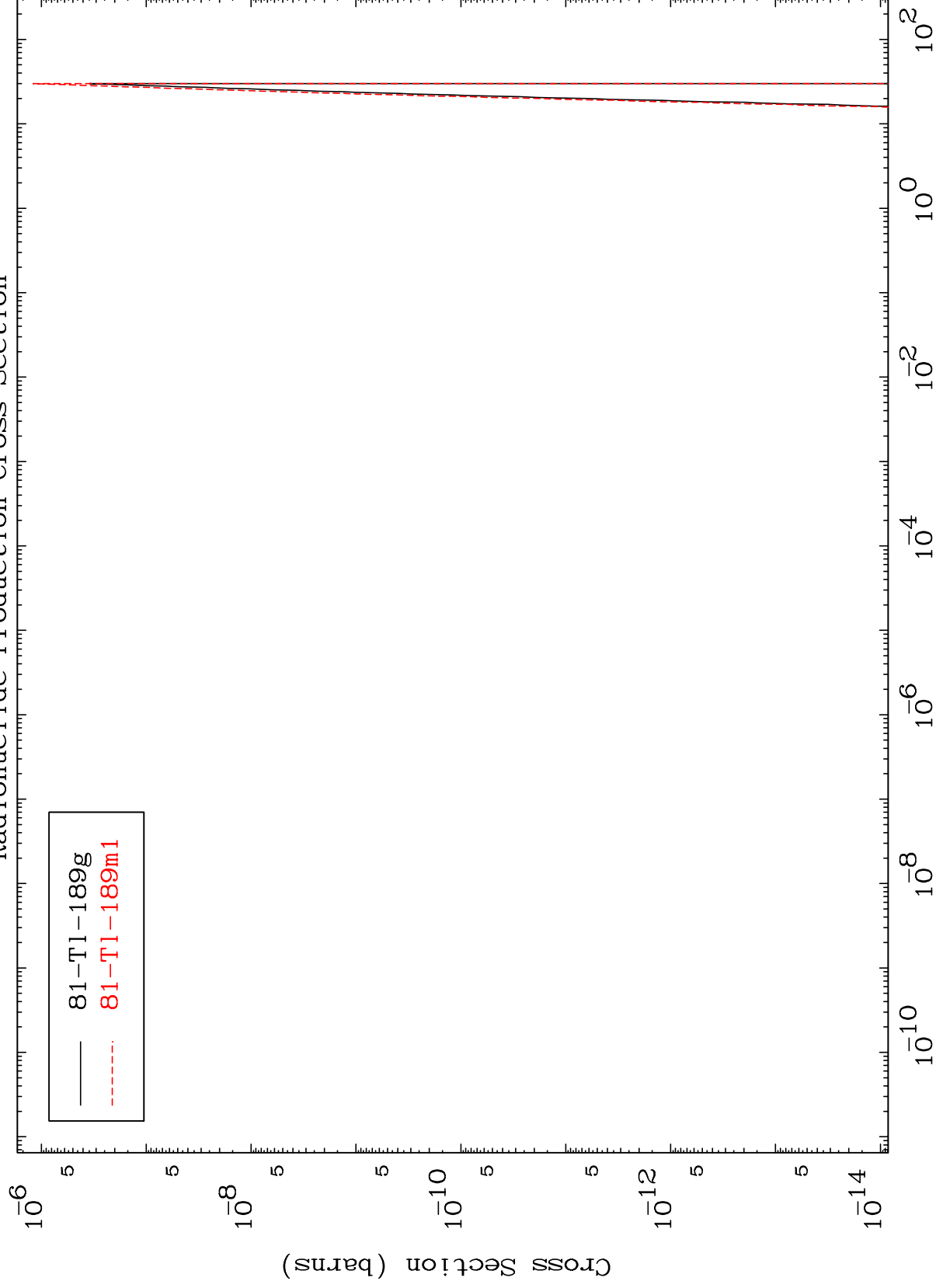
85-At-198

MAT 8511

(n,2n) 2α

85-At-198

Radionuclide Production Cross Section

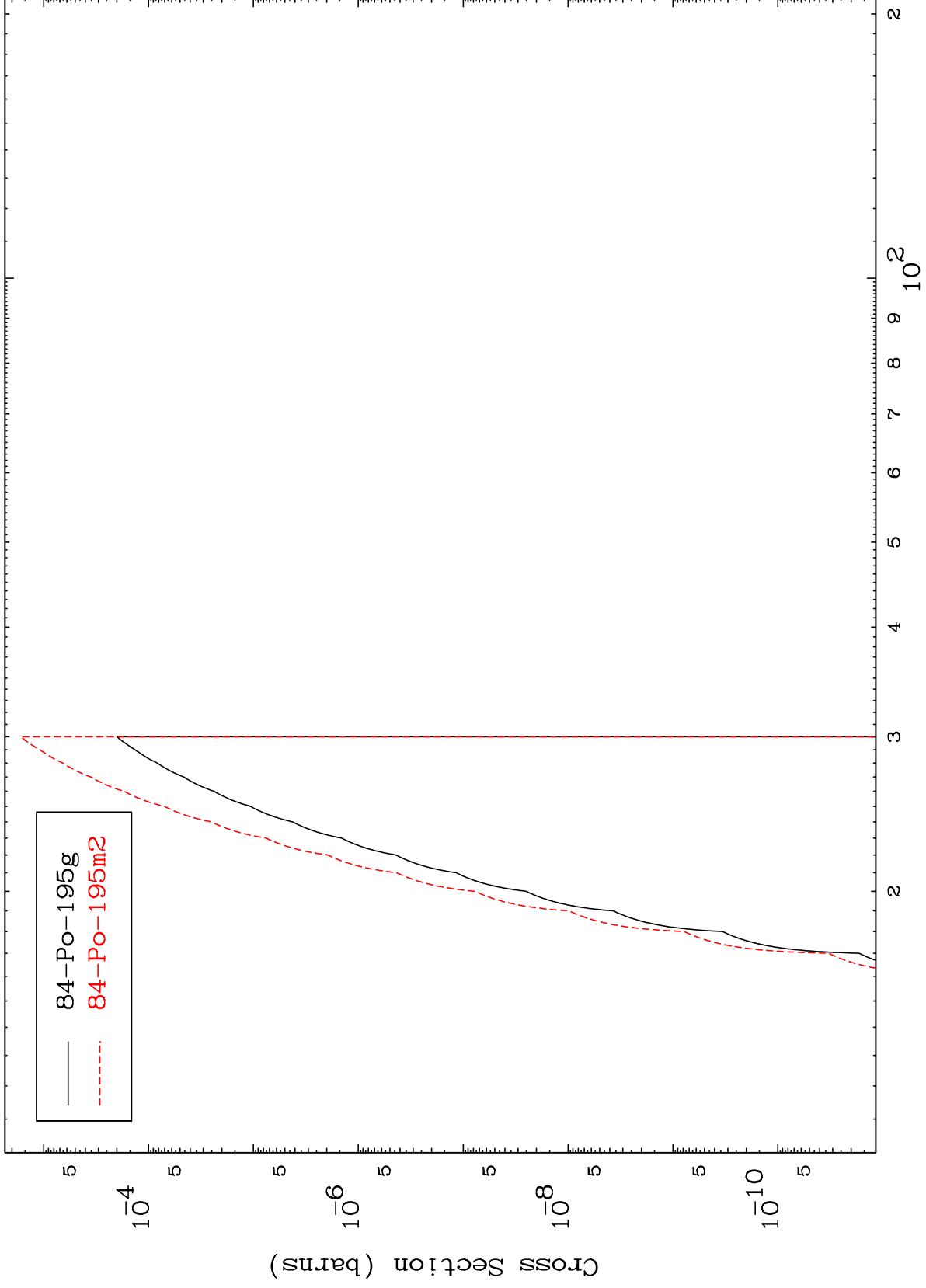


25

Incident Energy (MeV)

85-At-198

Radionuclide Production Cross Section

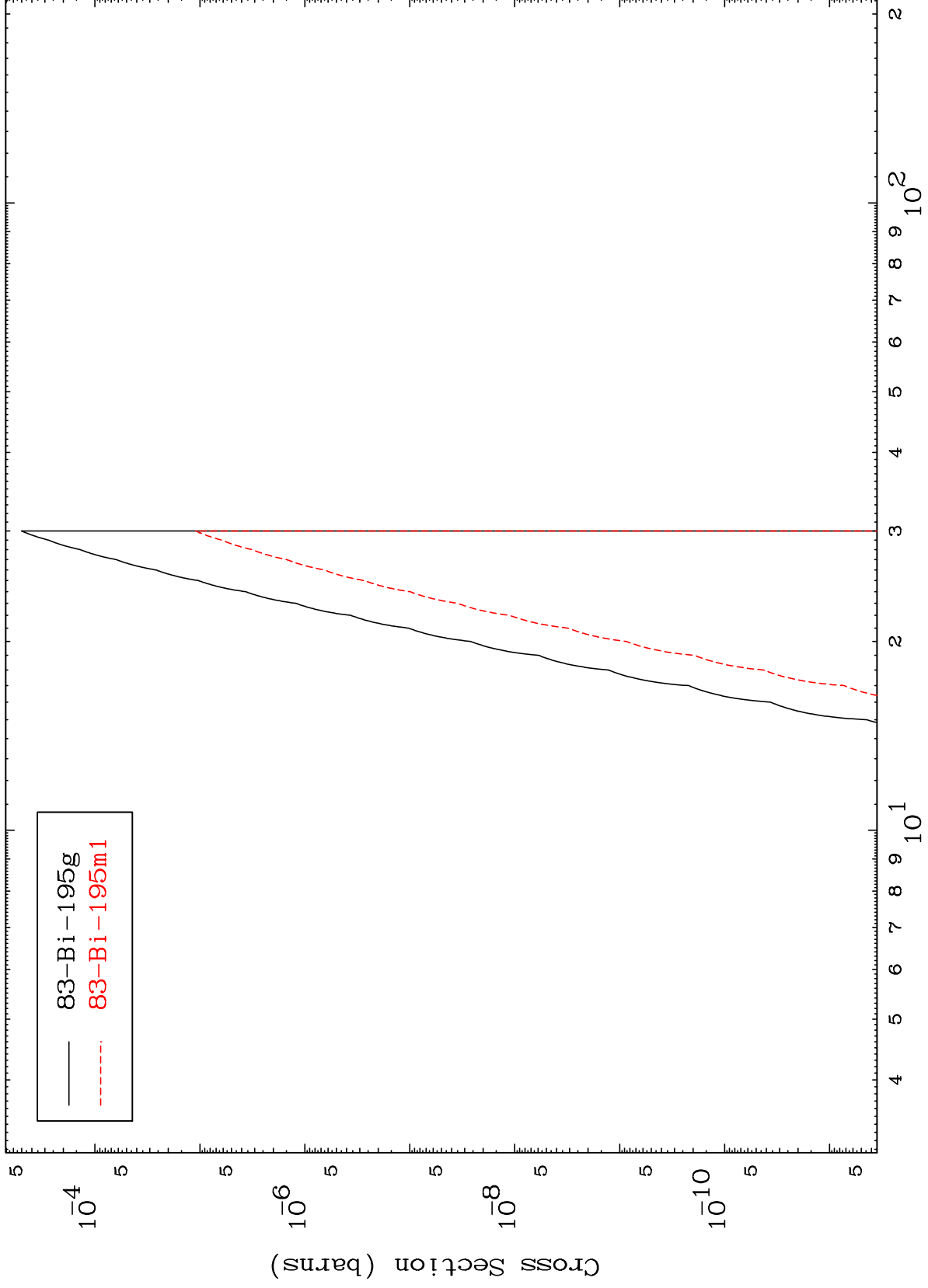


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(n,n') He-3

85-At-198

Radionuclide Production Cross Section

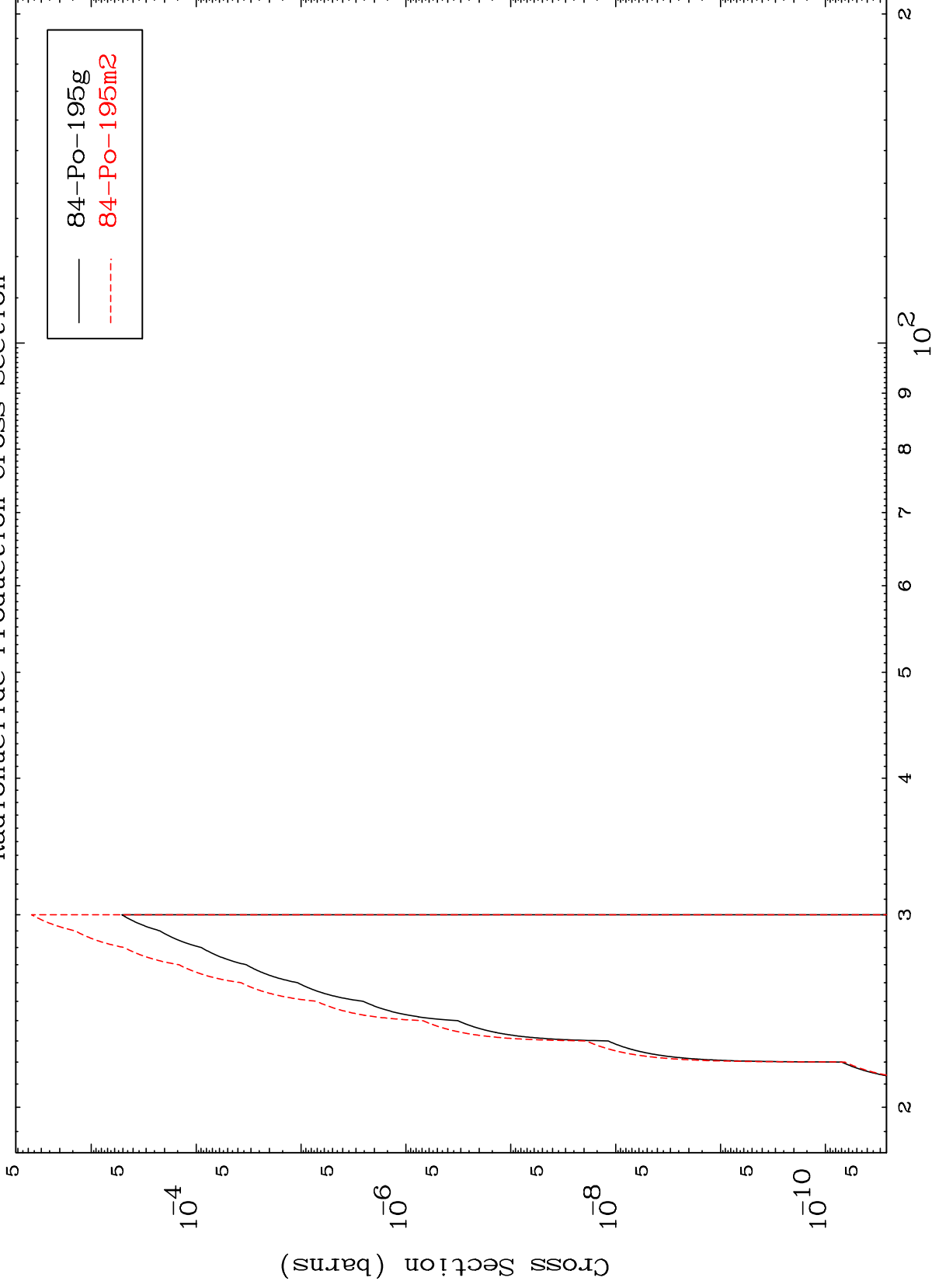


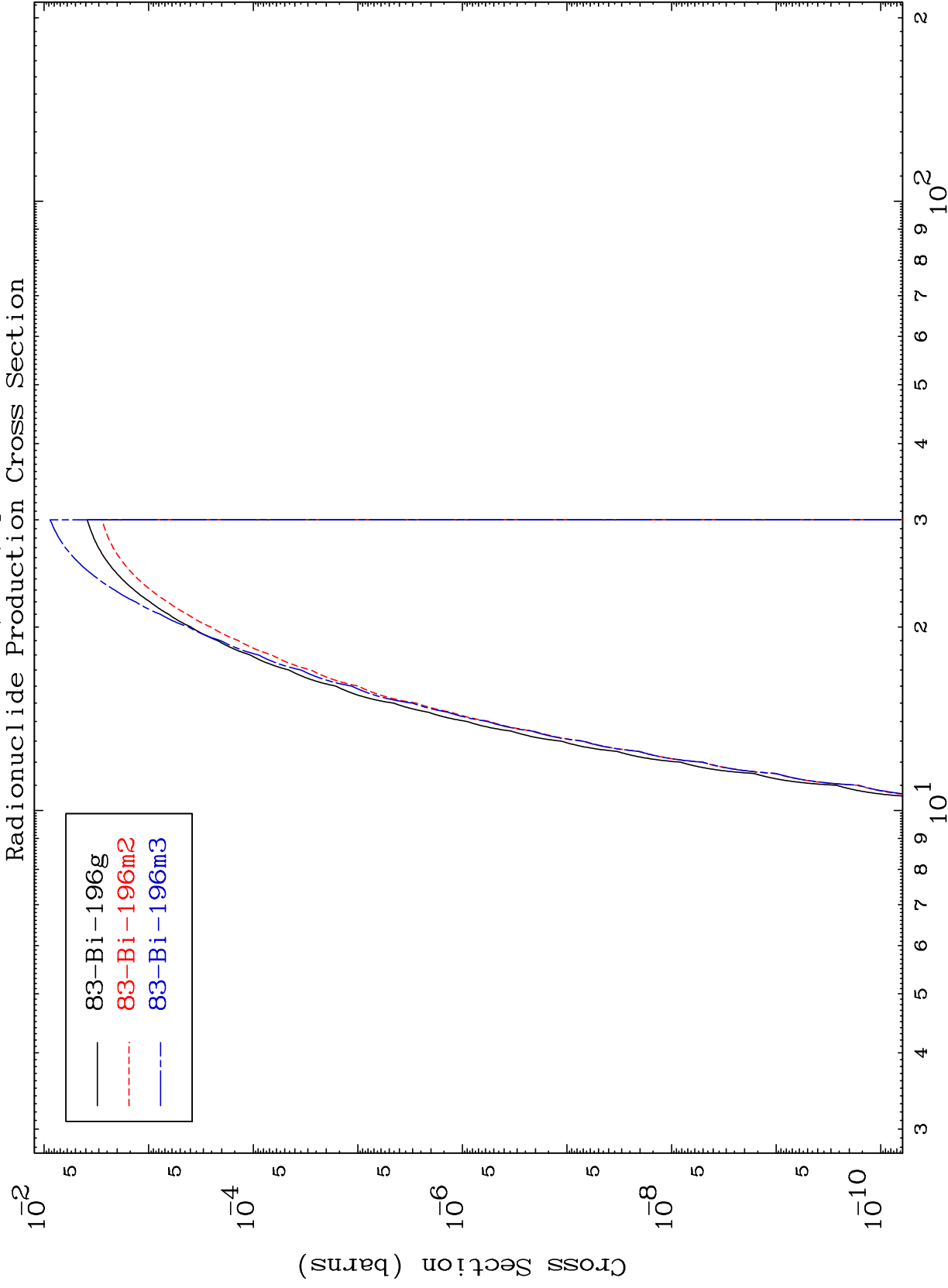
27

Incident Energy (MeV)

85-At-198

Radionuclide Production Cross Section



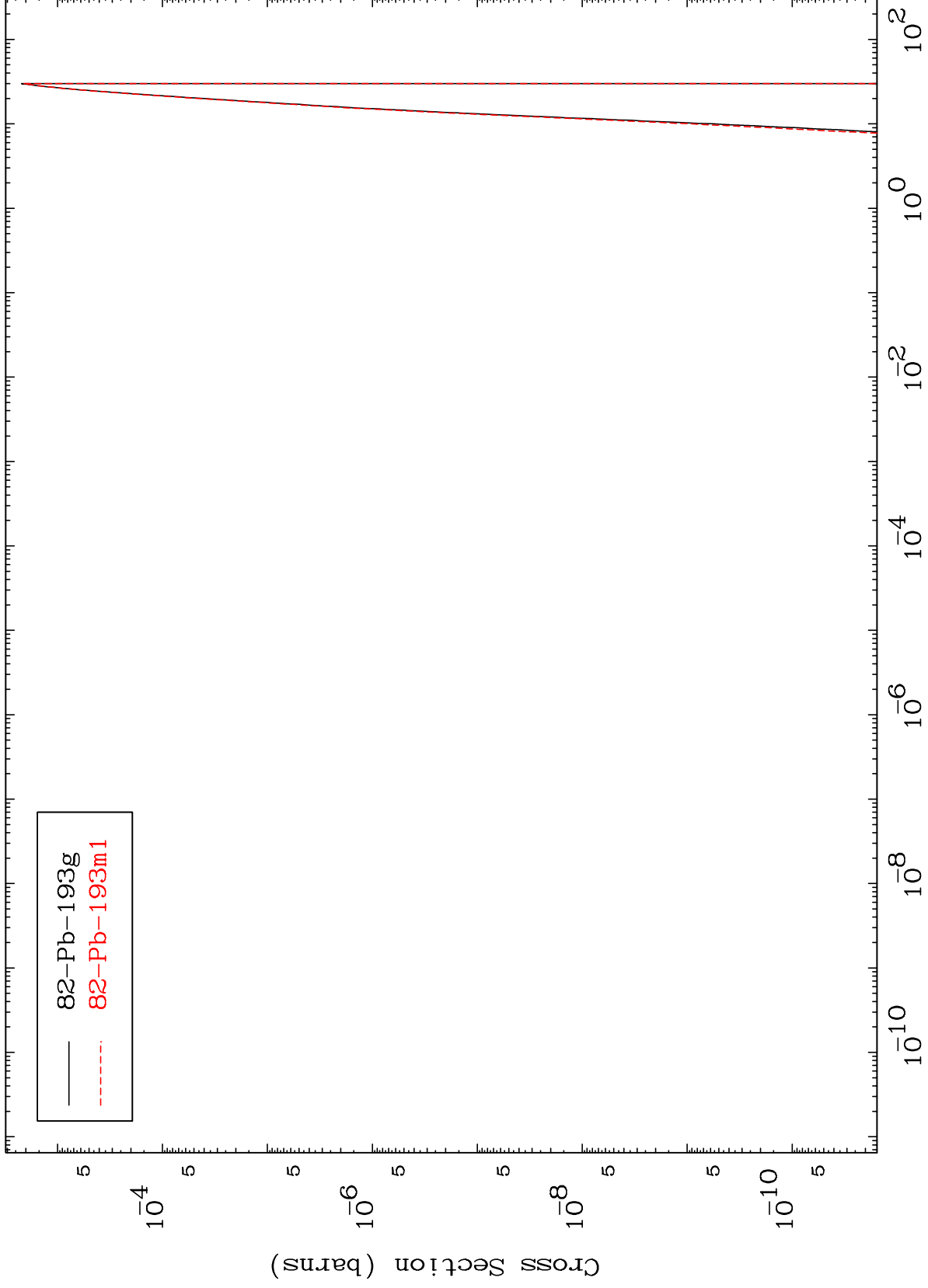


MAT 8511

(n,n') p α

85-At-198

Radionuclide Production Cross Section



30

Incident Energy (MeV)

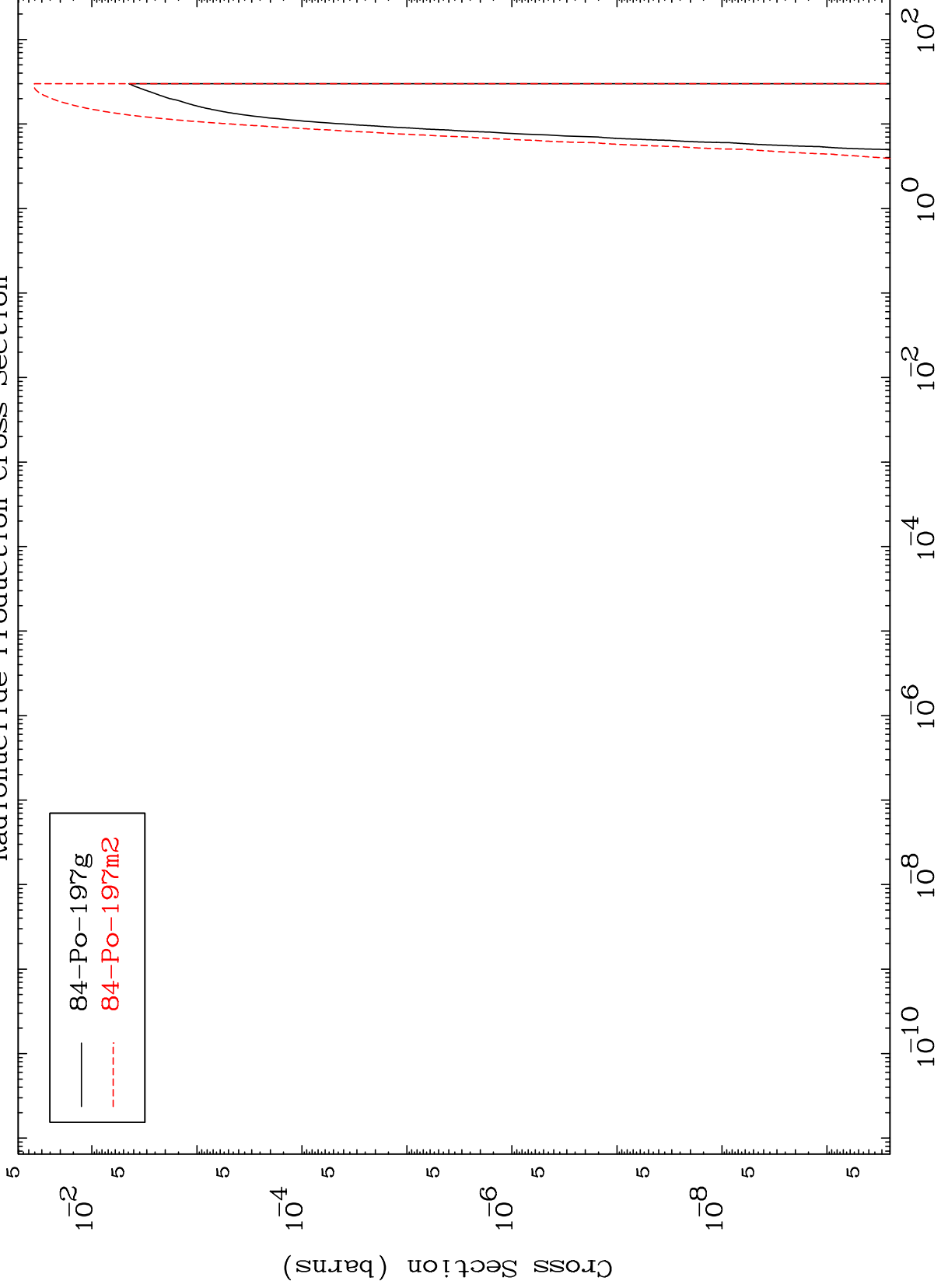
85-At-198

MAT 8511

(n,d)

85-At-198

Radionuclide Production Cross Section

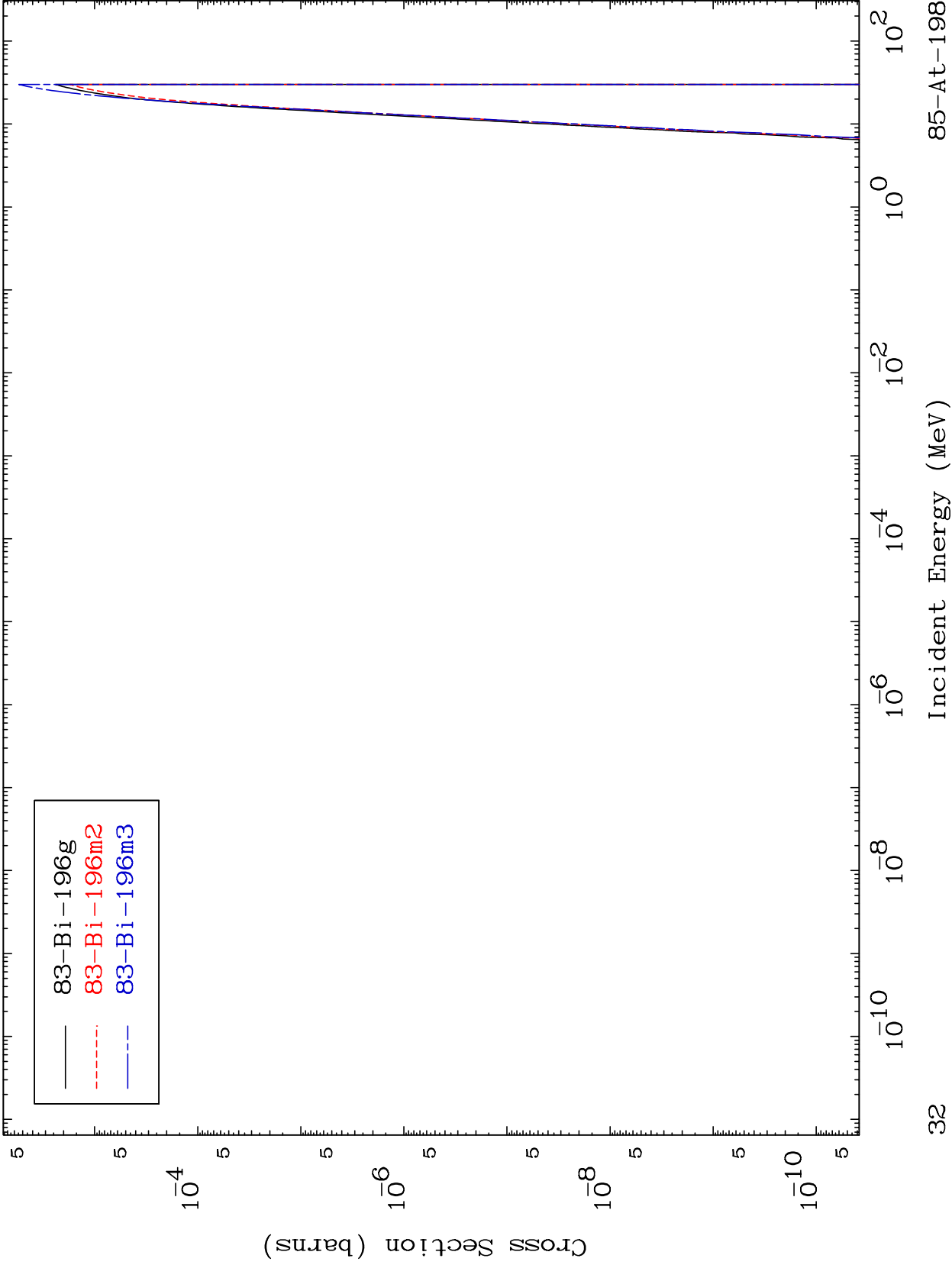


MAT 8511

(n,He-3)

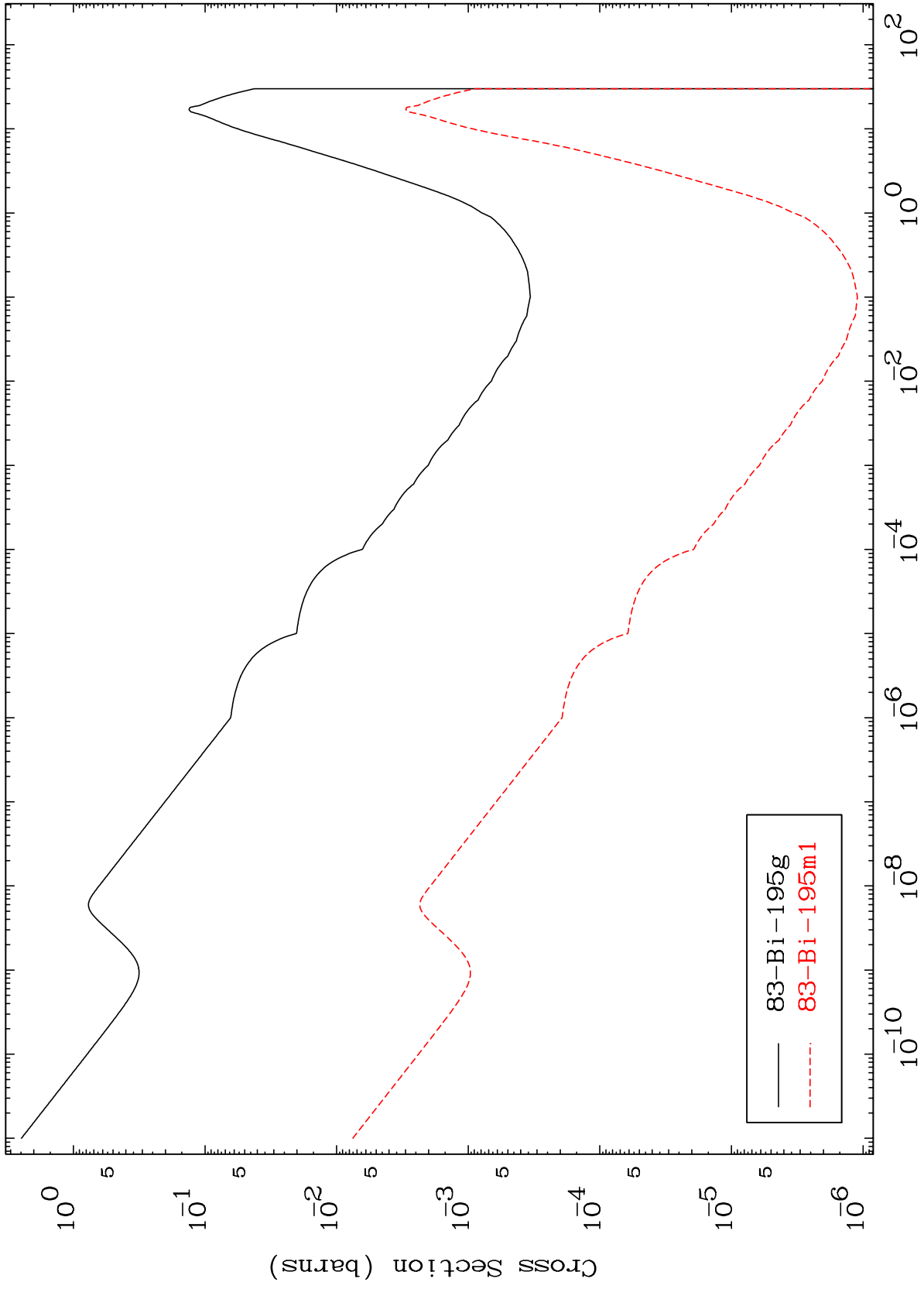
85-At-198

Radionuclide Production Cross Section



32

Radionuclide Production Cross Section



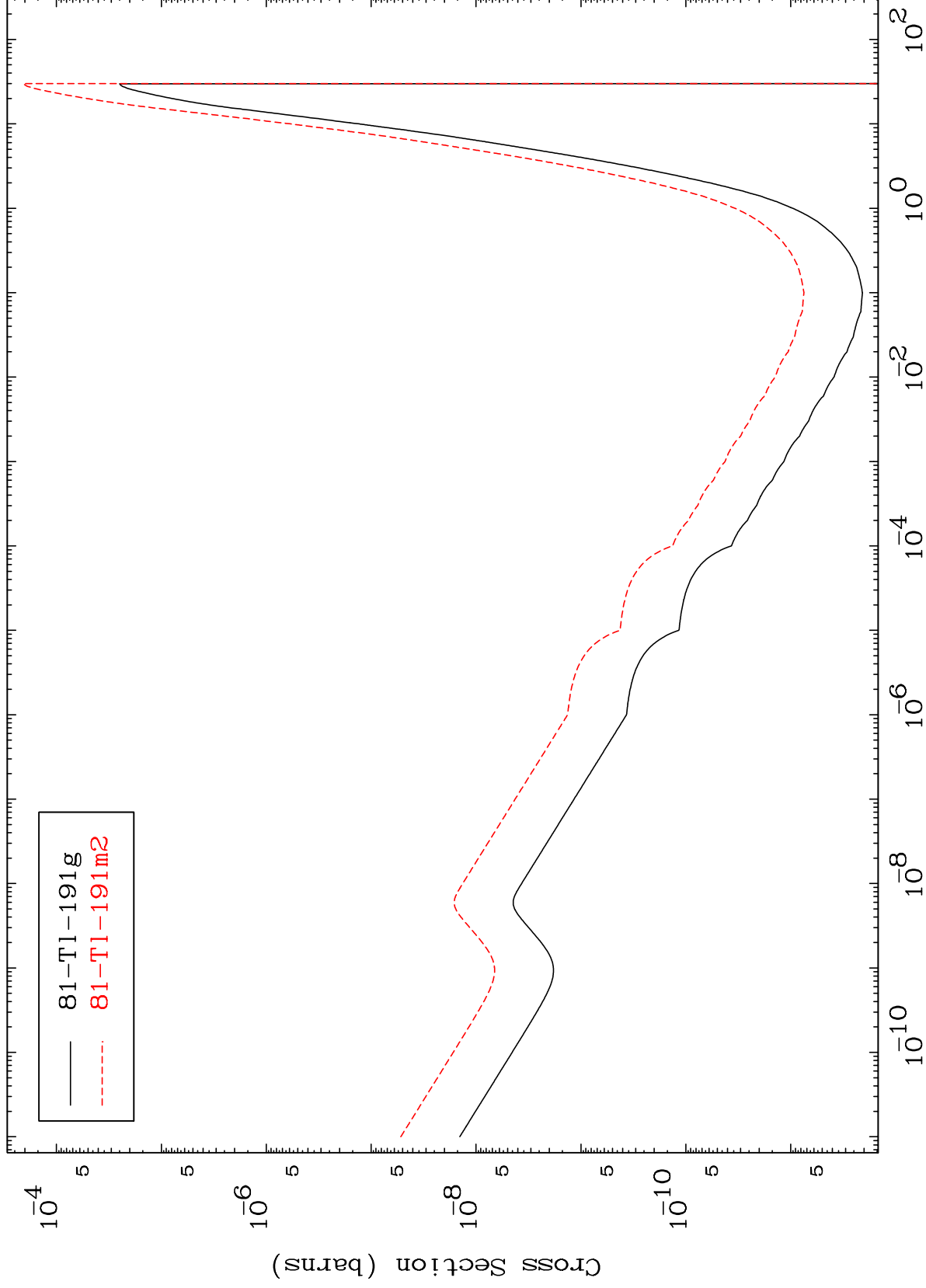
Incident Energy (MeV)

MAT 8511

(n,2α)

85-At-198

Radionuclide Production Cross Section



34

Incident Energy (MeV)

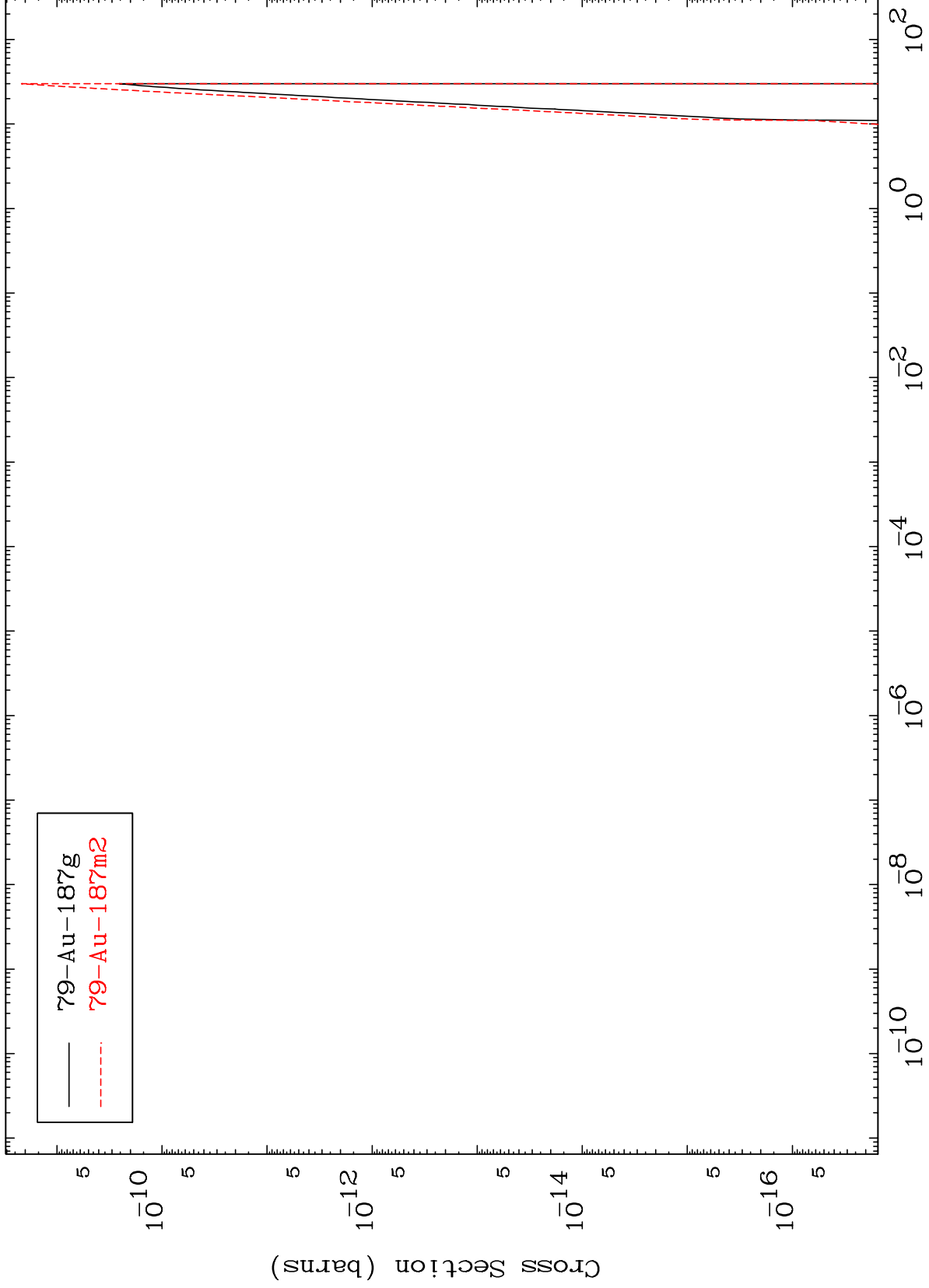
85-At-198

MAT 8511

(n,3α)

85-At-198

Radionuclide Production Cross Section



— $^{79}\text{Au-187g}$
- - - $^{79}\text{Au-187m2}$

35

Incident Energy (MeV)

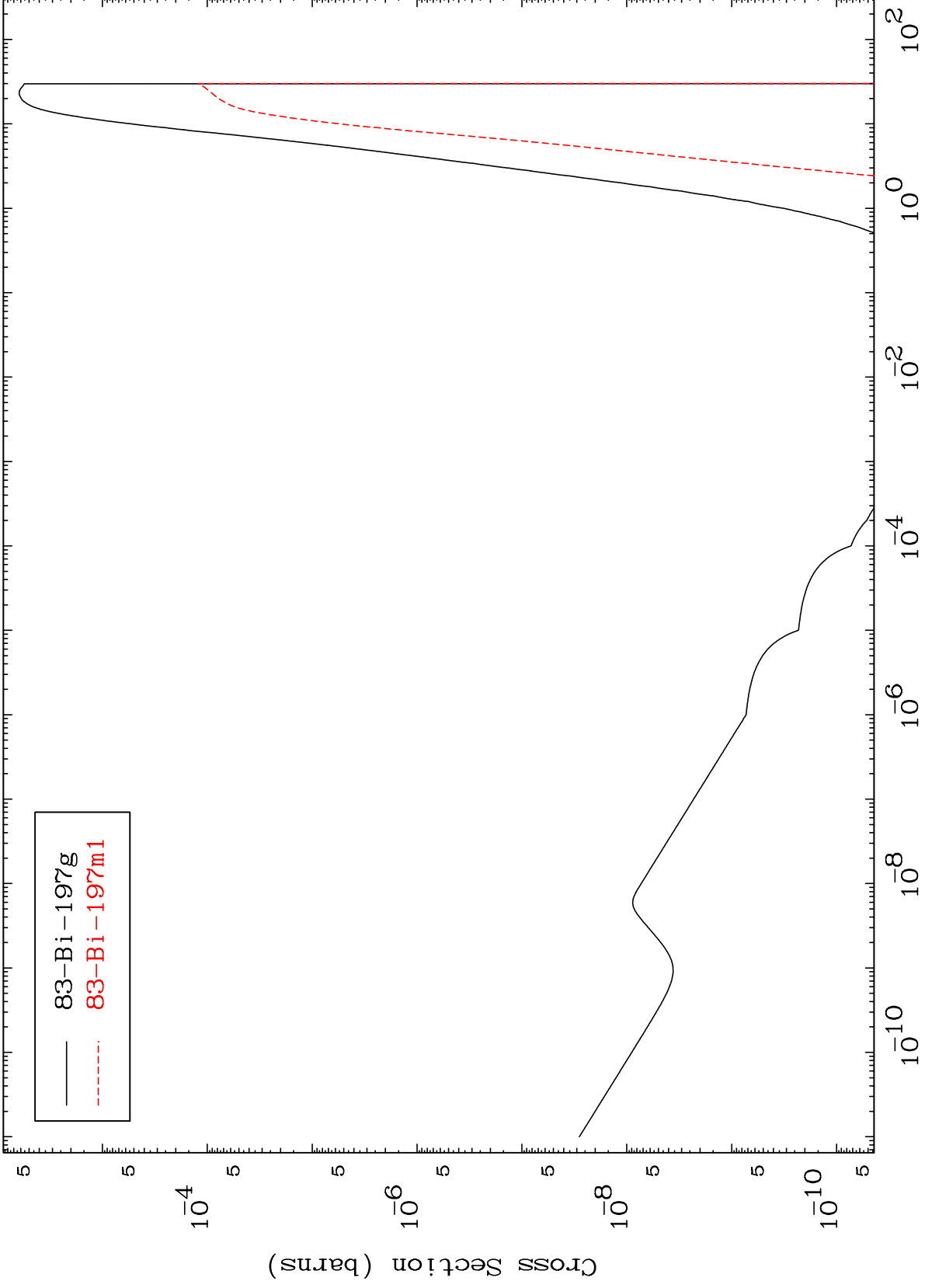
85-At-198

MAT 8511

(n,2p)

85-At-198

Radionuclide Production Cross Section



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

Incident Energy (MeV)

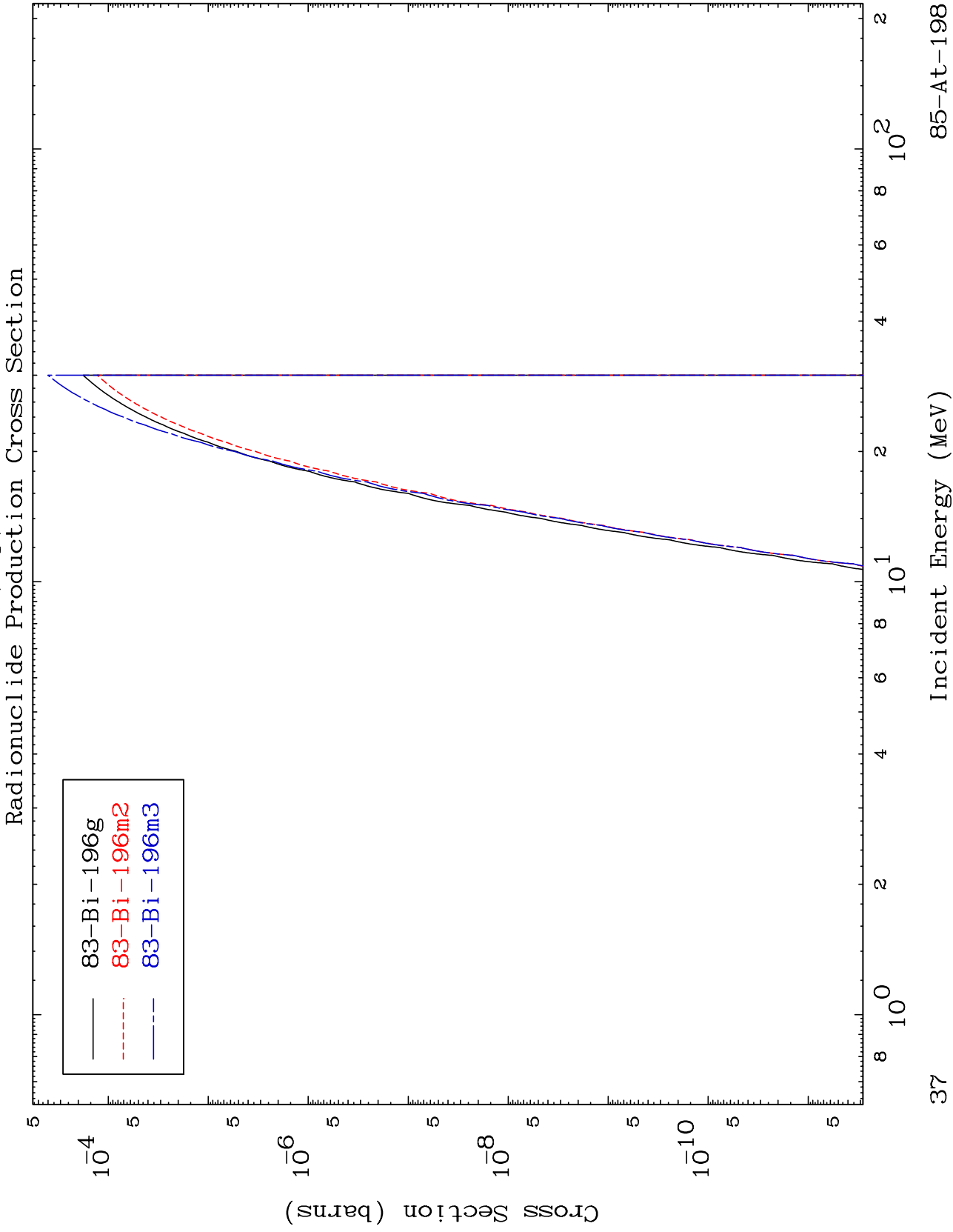
85-At-198

36

MAT 8511

(n,p) d

85-At-198



37

Incident Energy (MeV)

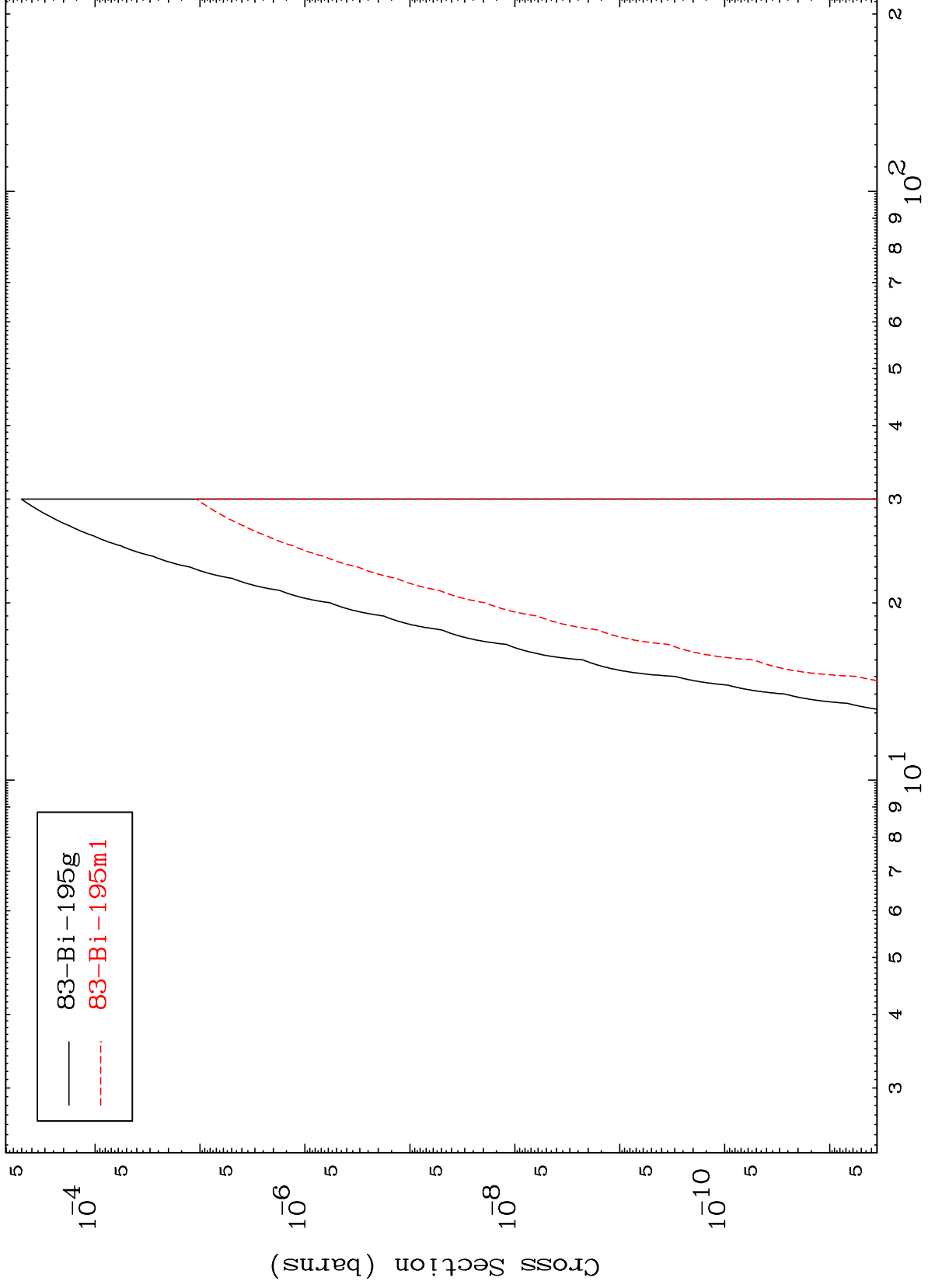
85-At-198

MAT 8511

(n,p) t

85-At-198

Radionuclide Production Cross Section



38

Incident Energy (MeV)

85-At-198

MAT 8511

(n,d) α

85-At-198

Radionuclide Production Cross Section

