

Program EVALPLOT
(Version 2015-2)

by

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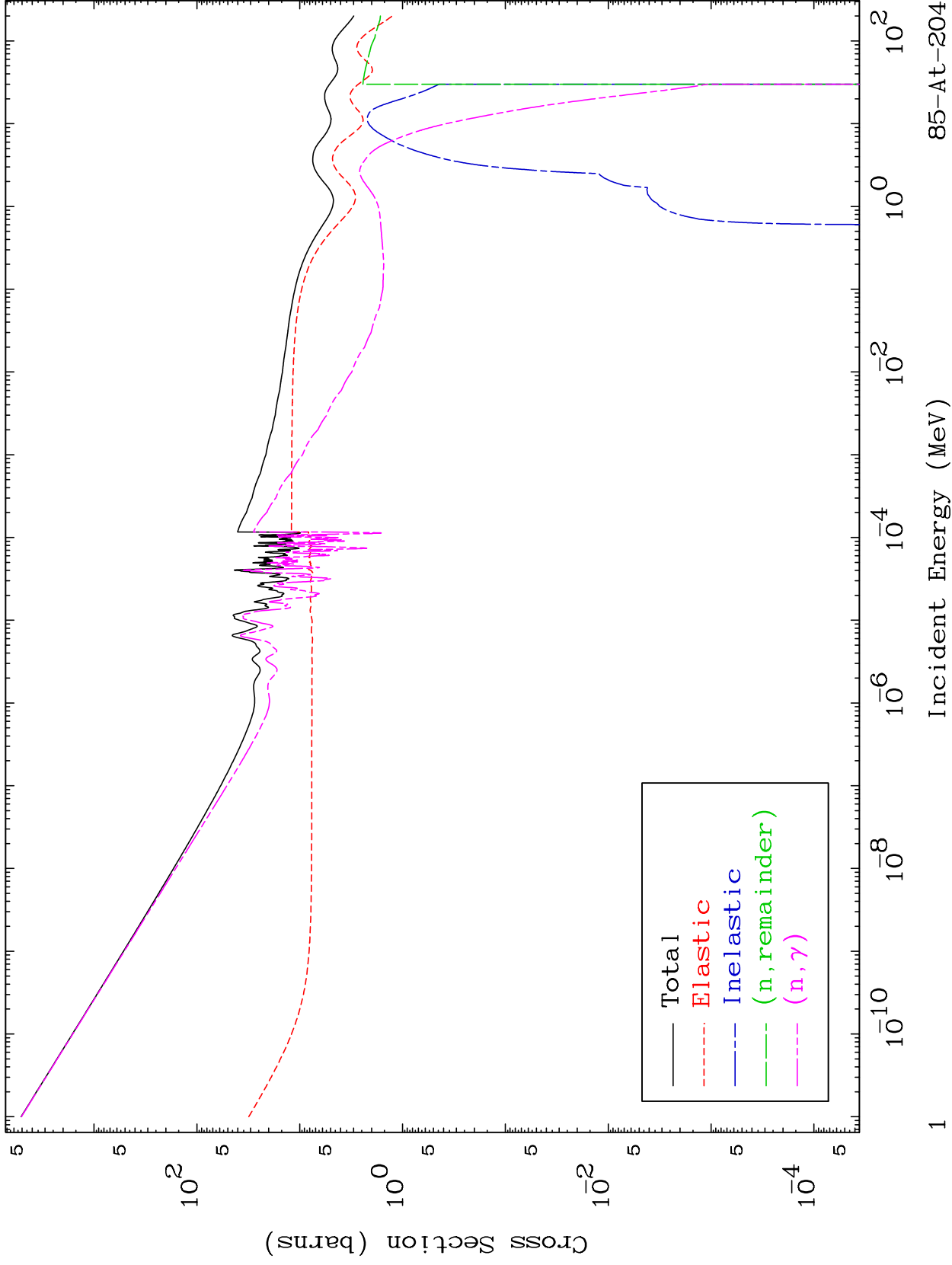
E.Mail:redcullen1@comcast.net
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 8528

Major
293 Kelvin Cross Sections

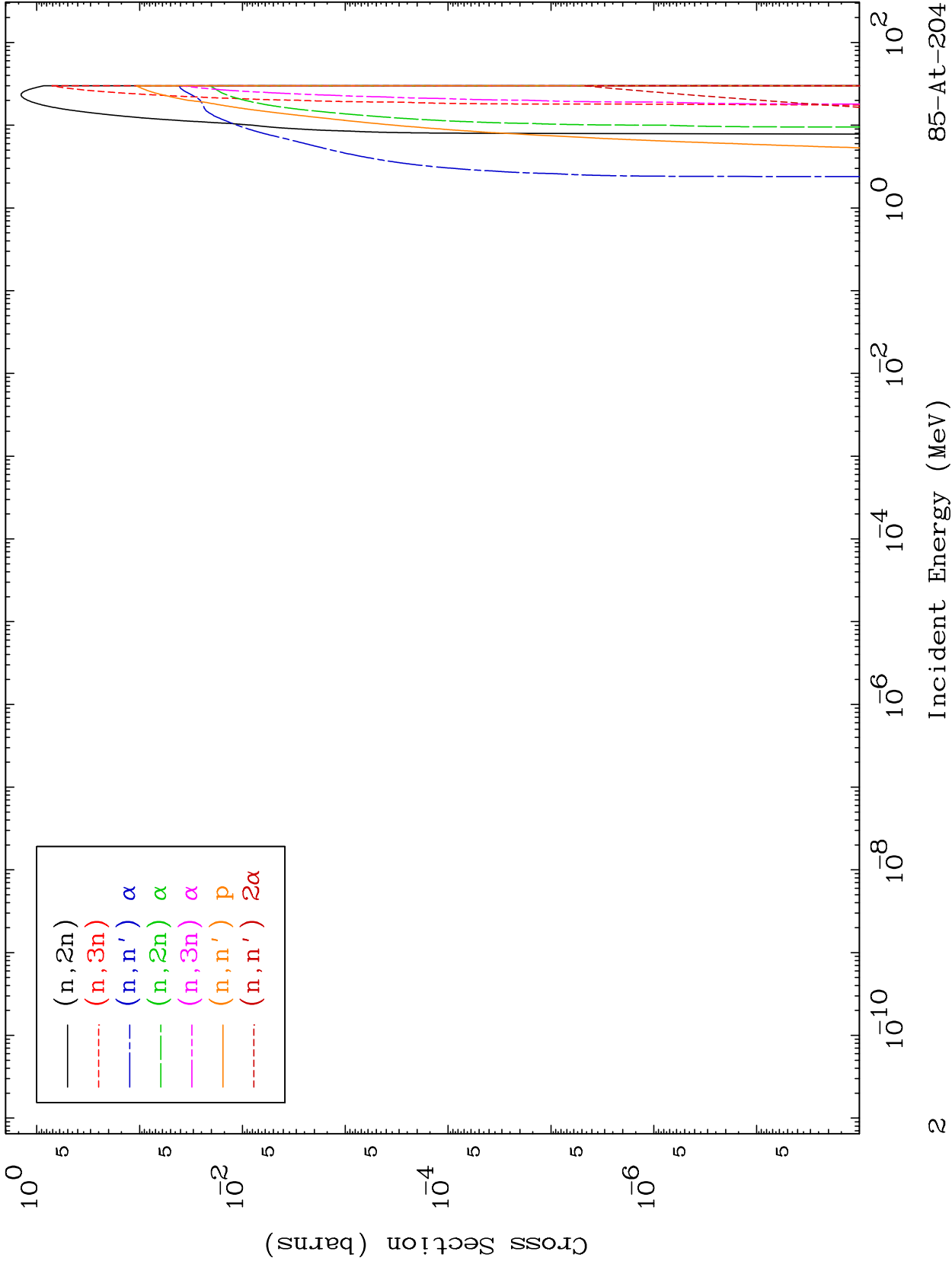
85-At-204



MAT 8528

Neutron Production
293 Kelvin Cross Sections

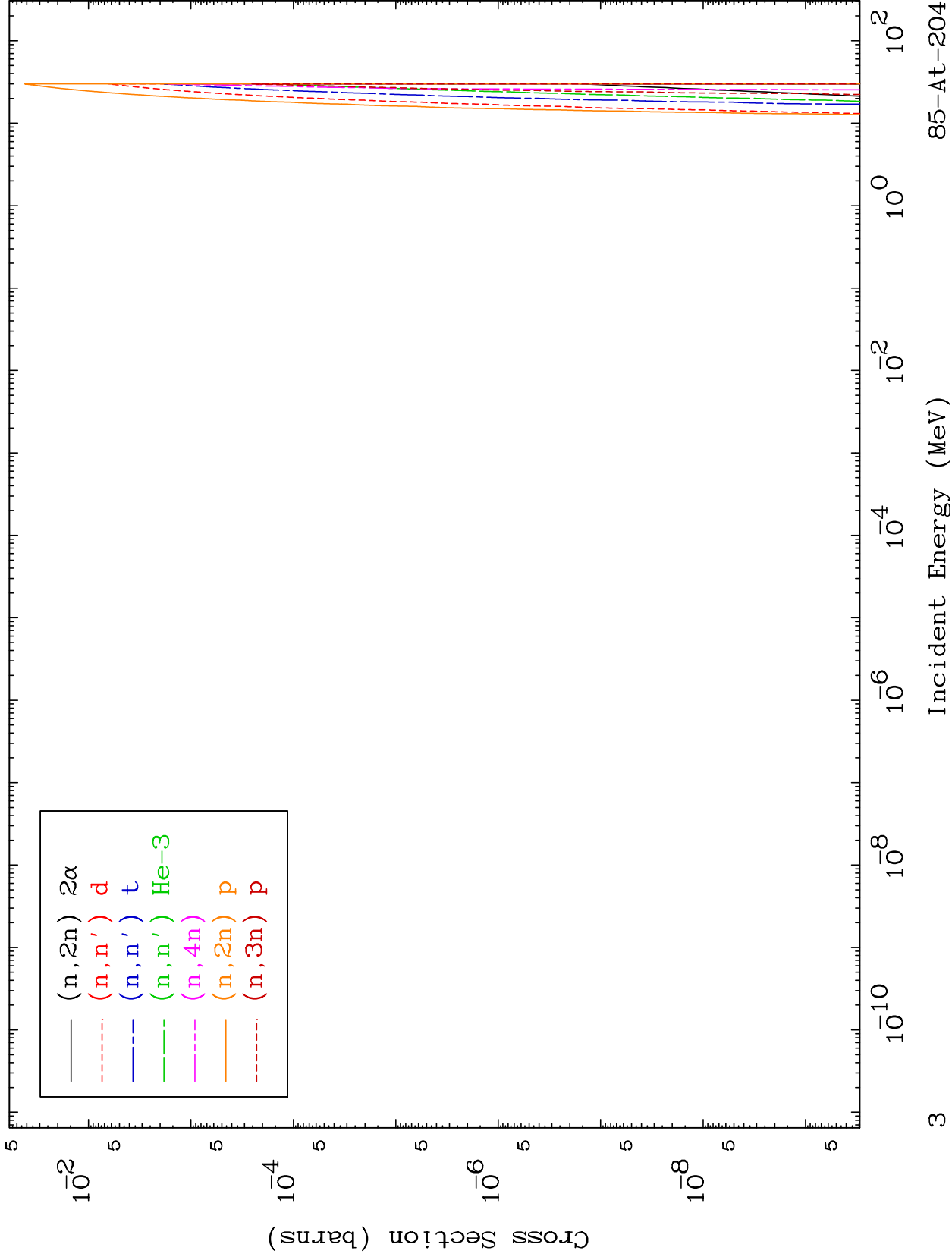
85-At-204



MAT 8528

Neutron Production
293 Kelvin Cross Sections

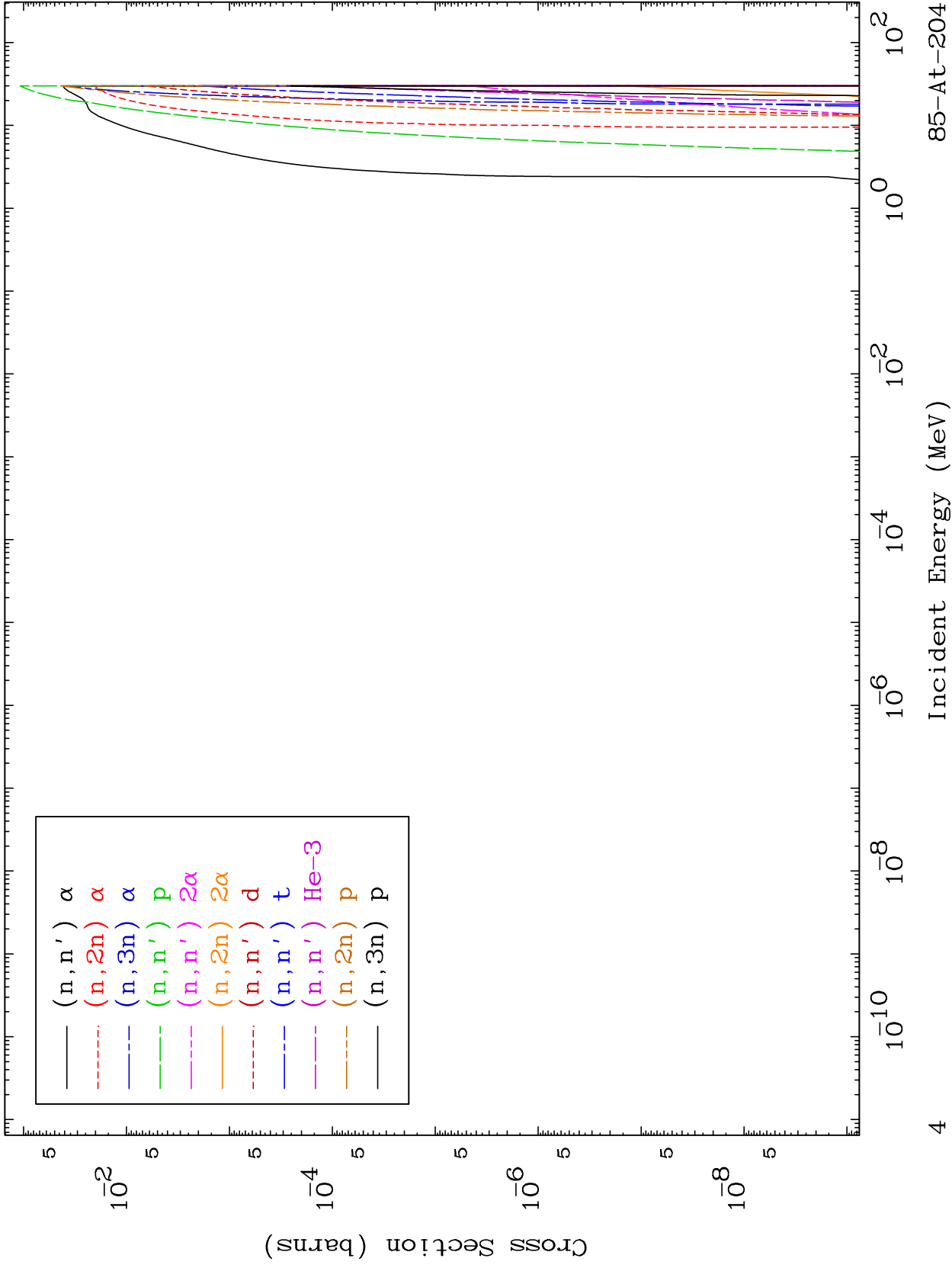
85-At-204



MAT 8528

Charged Particle
293 Kelvin Cross Sections

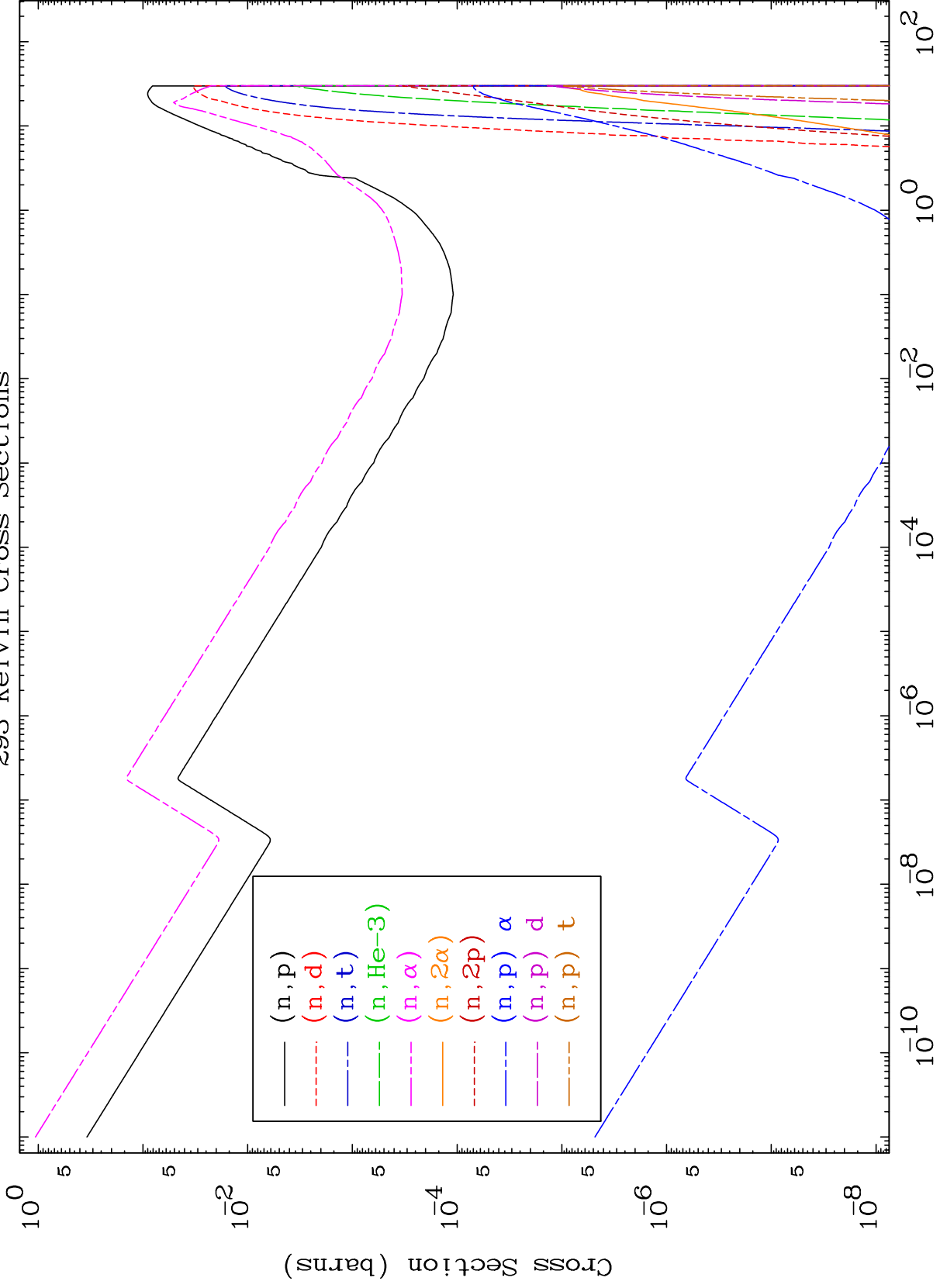
85-At-204



MAT 8528

Charged Particle
293 Kelvin Cross Sections

85-At-204



5

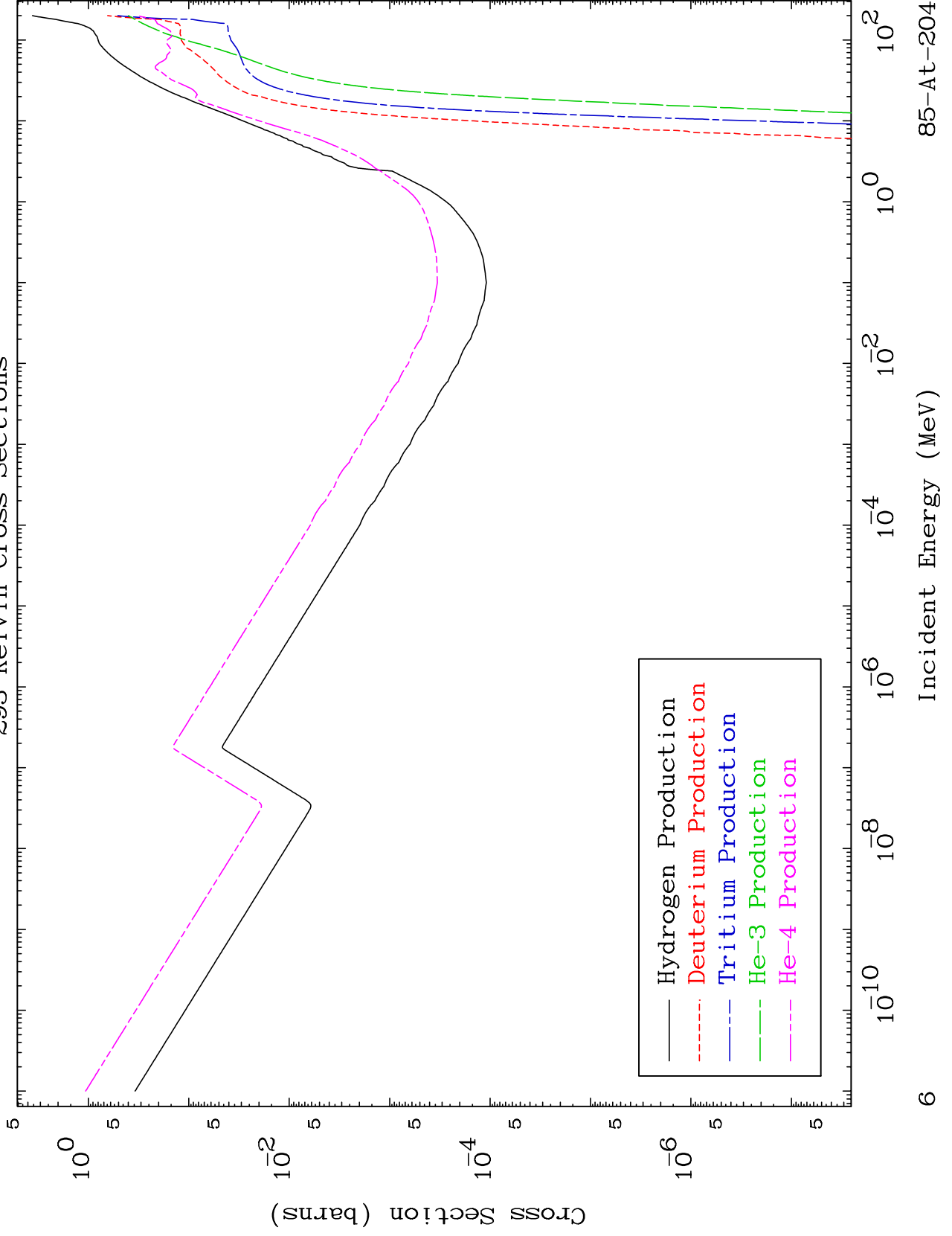
Incident Energy (MeV)

85-At-204

MAT 8528

Particle Production
293 Kelvin Cross Sections

85-At-204

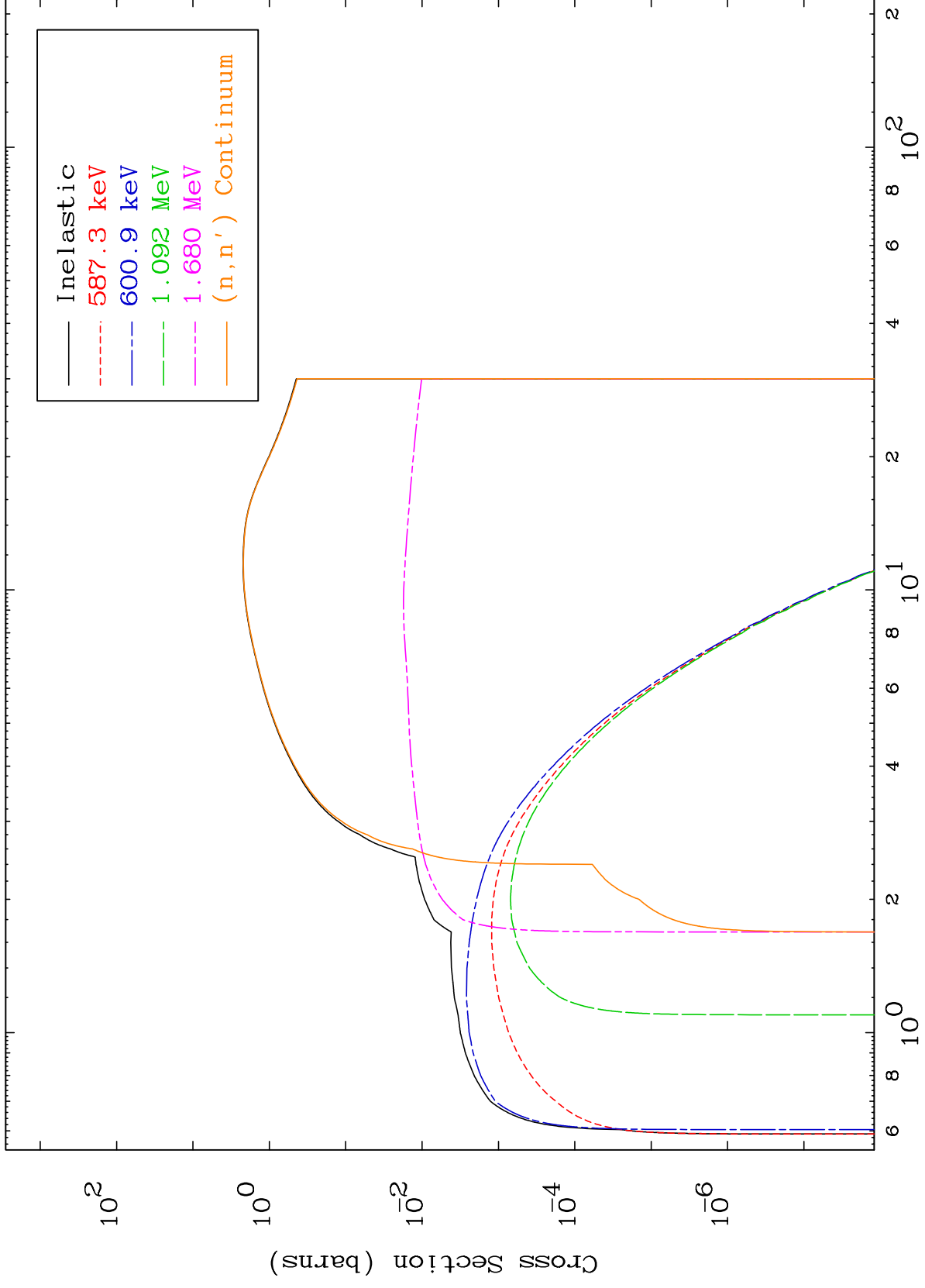


MAT 8528

(n,n') Level

85-At-204

293 Kelvin Cross Sections



7

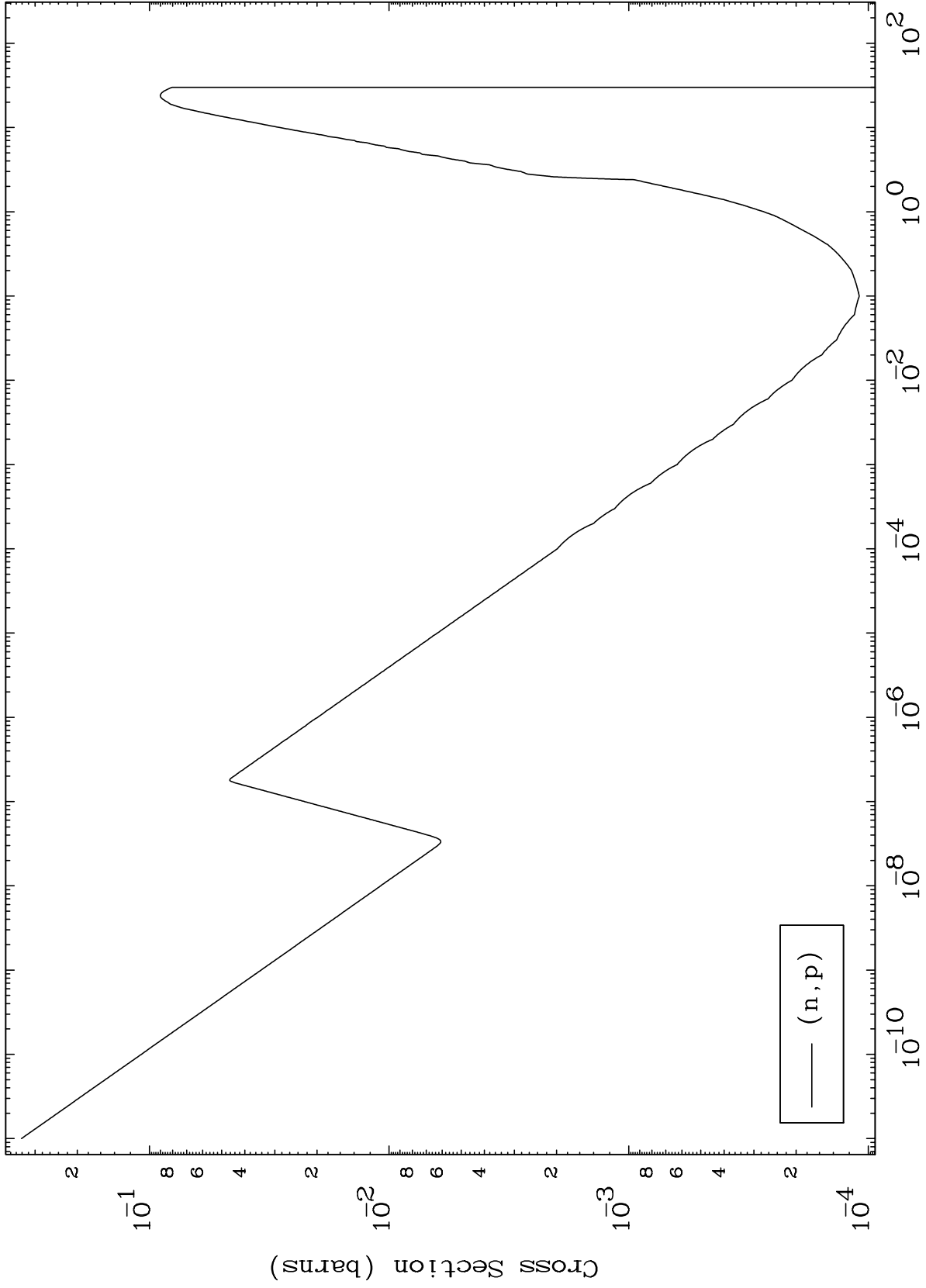
Incident Energy (MeV)

85-At-204

MAT 8528

(n,p) Levels
293 Kelvin Cross Sections

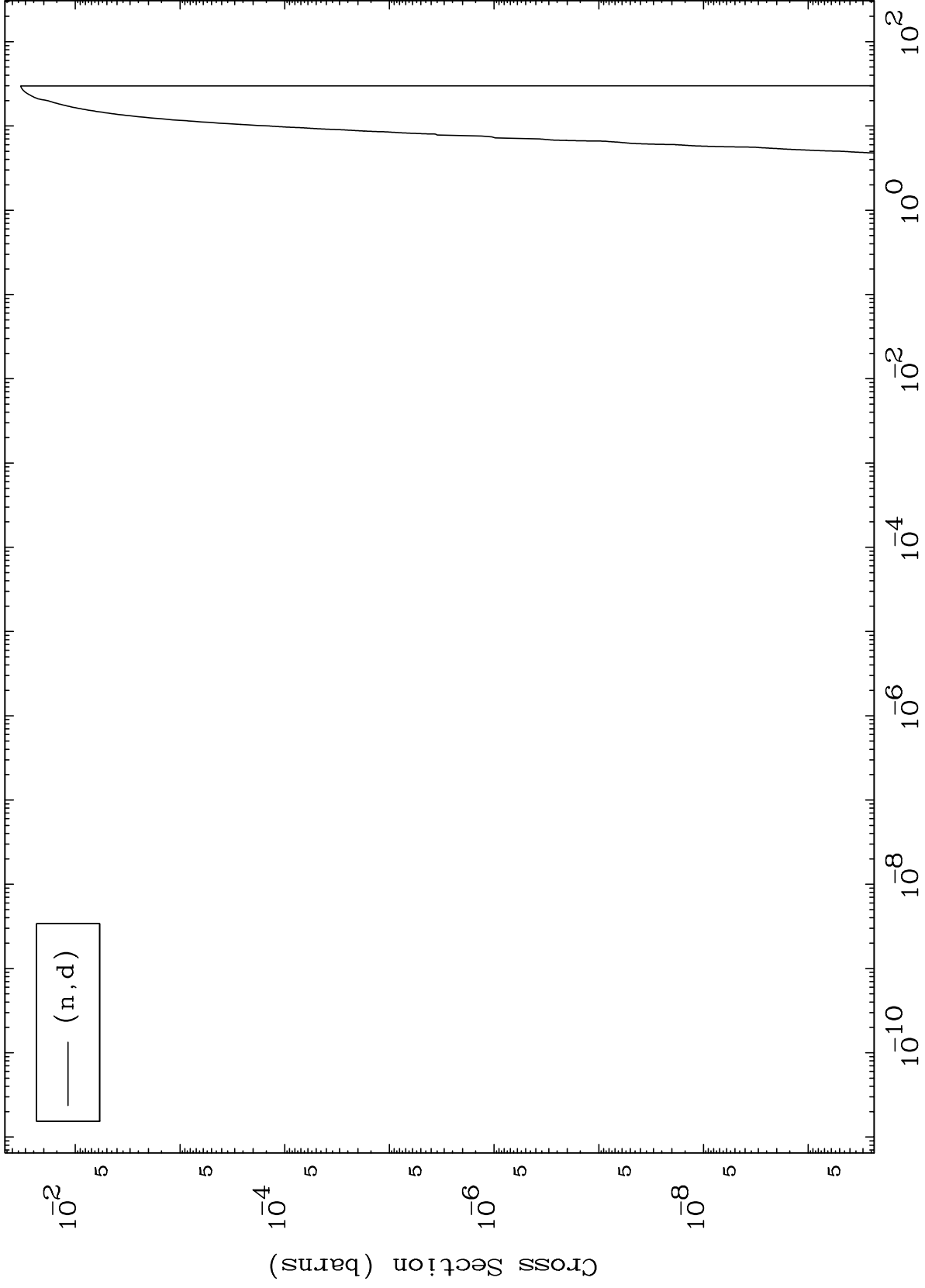
85-At-204



MAT 8528

(n,d) Levels
293 Kelvin Cross Sections

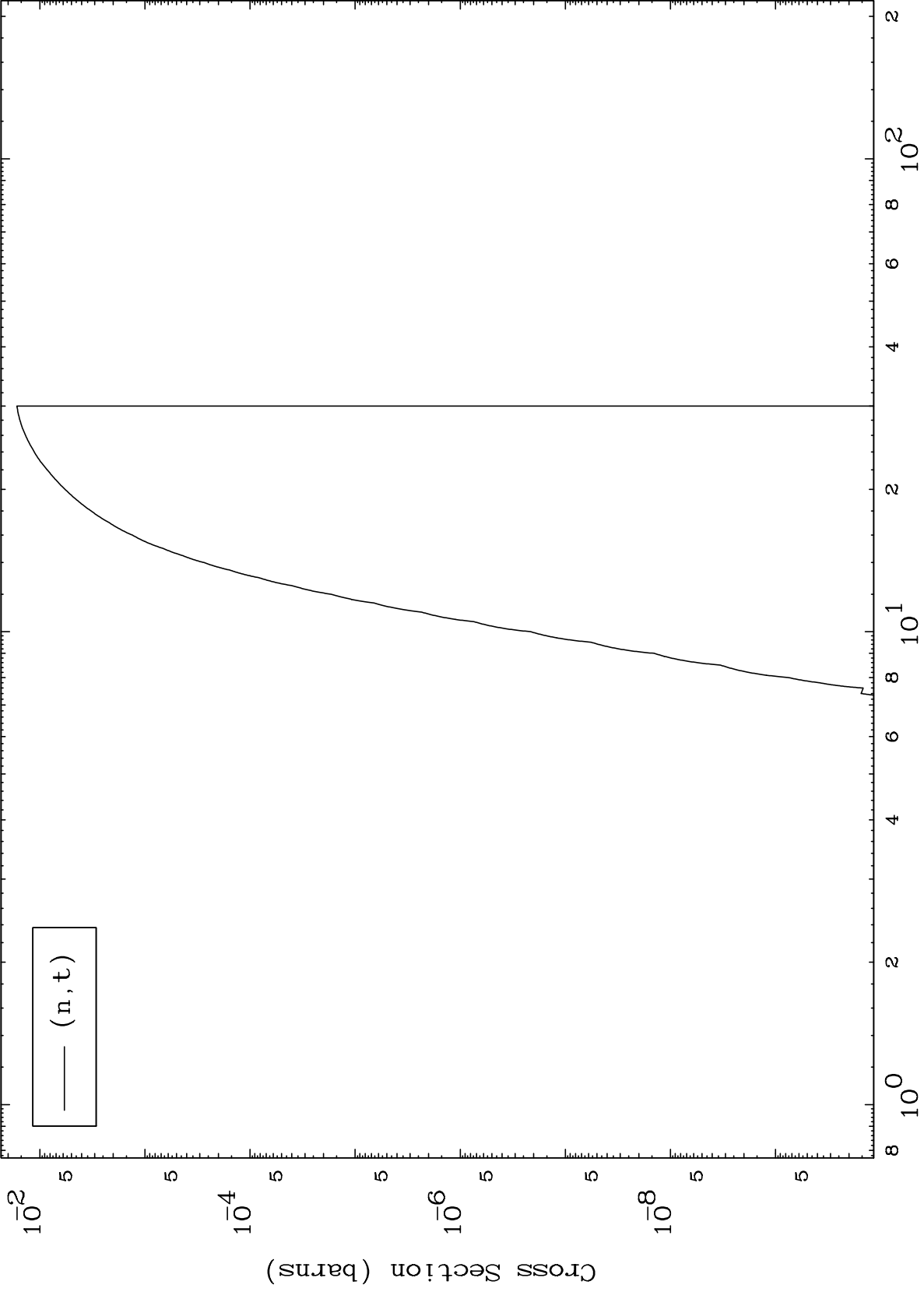
85-At-204



MAT 8528

(n,t) Levels
293 Kelvin Cross Sections

85-At-204



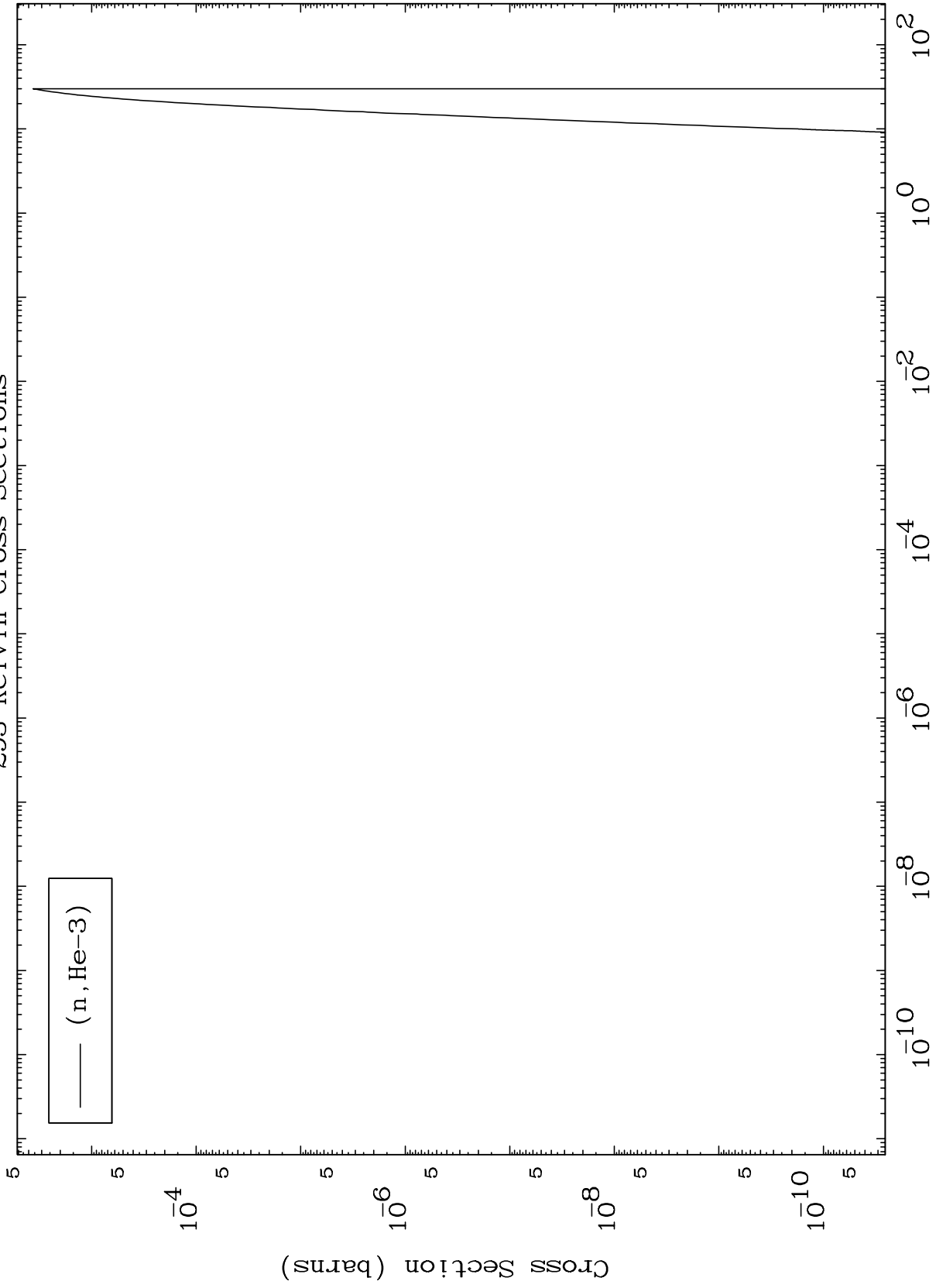
Incident Energy (MeV)

85-At-204

MAT 8528

(n,He3) Levels
293 Kelvin Cross Sections

85-At-204

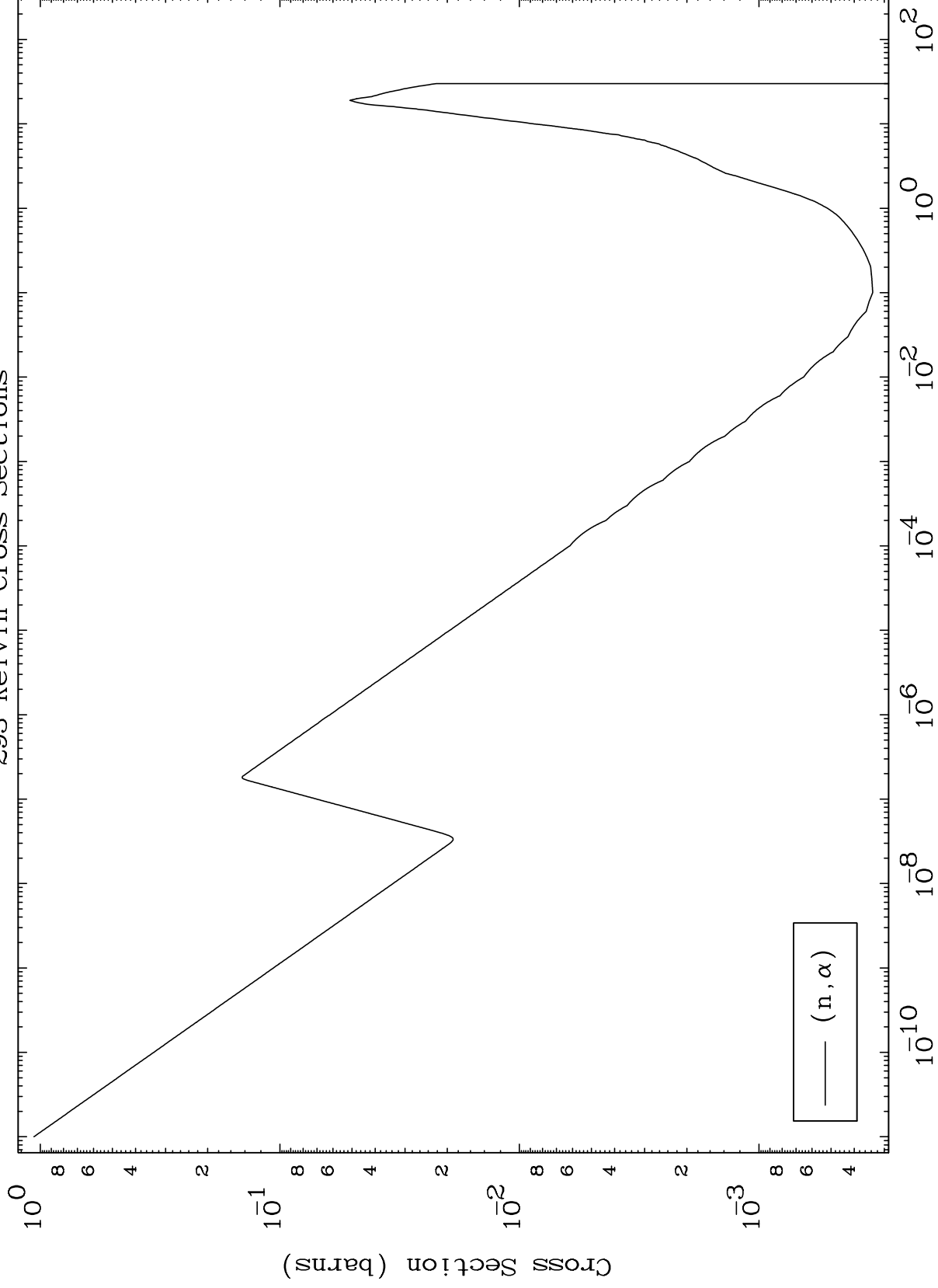


(n, He-3)

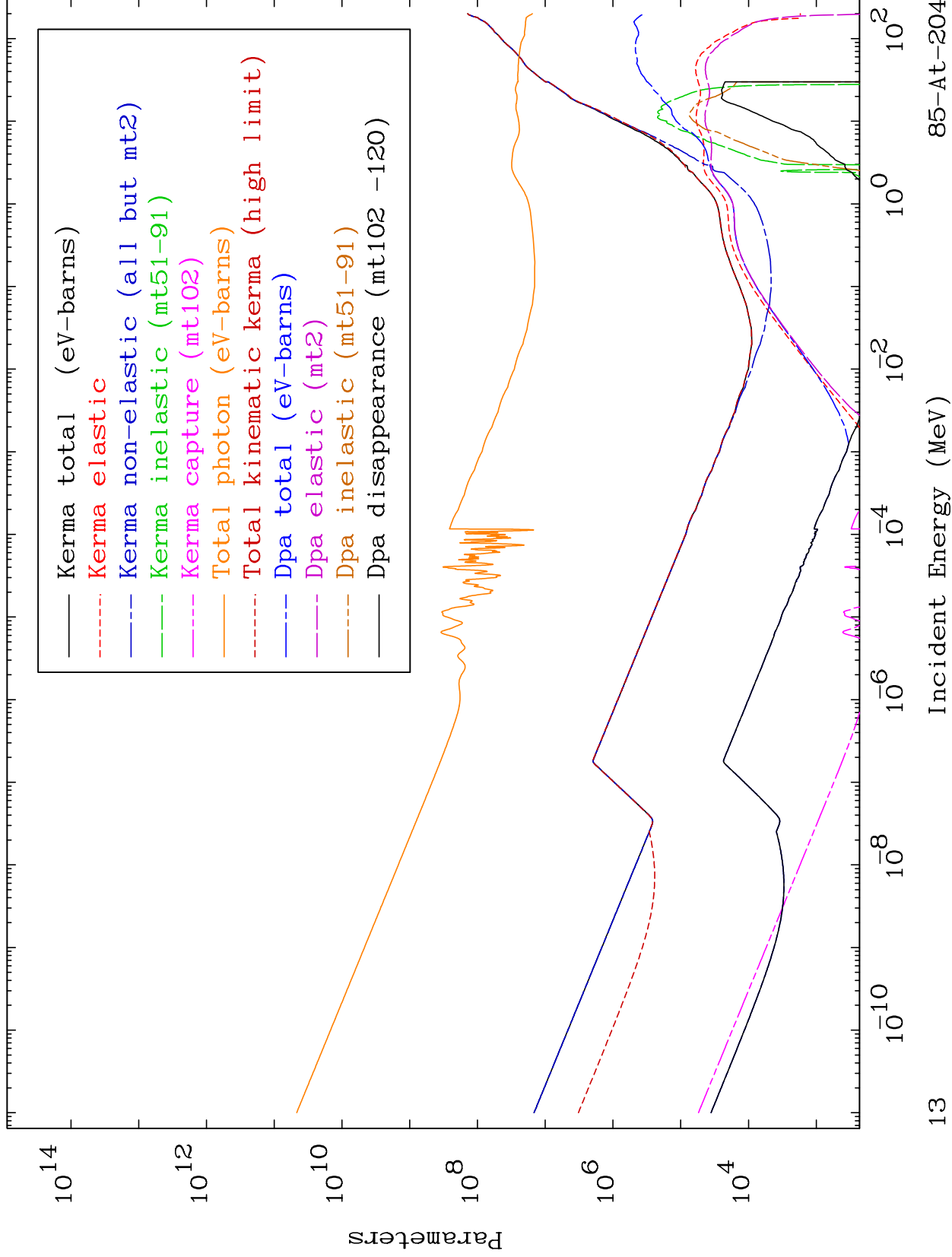
MAT 8528

(n, α) Levels
293 Kelvin Cross Sections

85-At-204



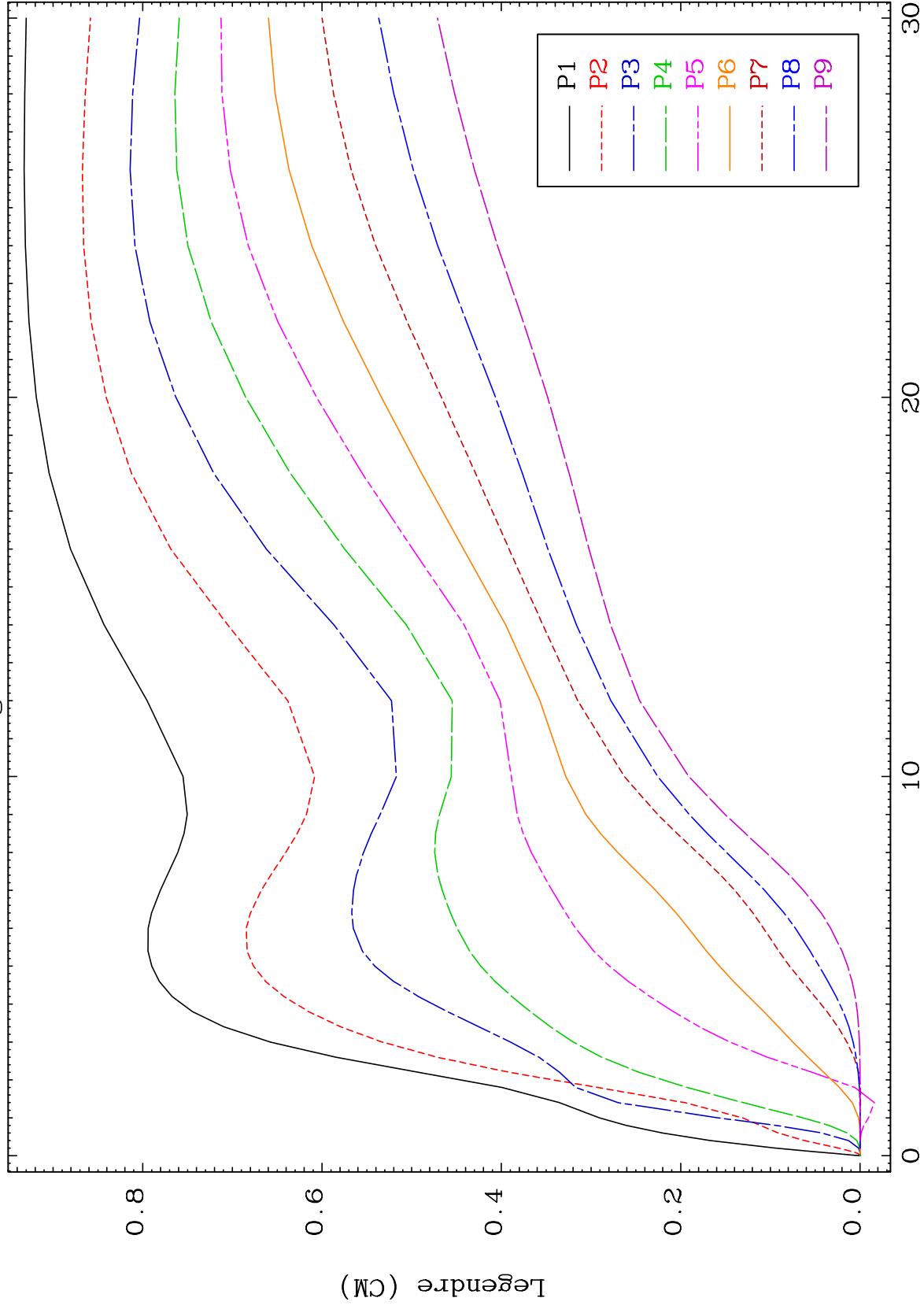
(n, α)



MAT 8528

Elastic Legendre Coefficients

85-At-204



14

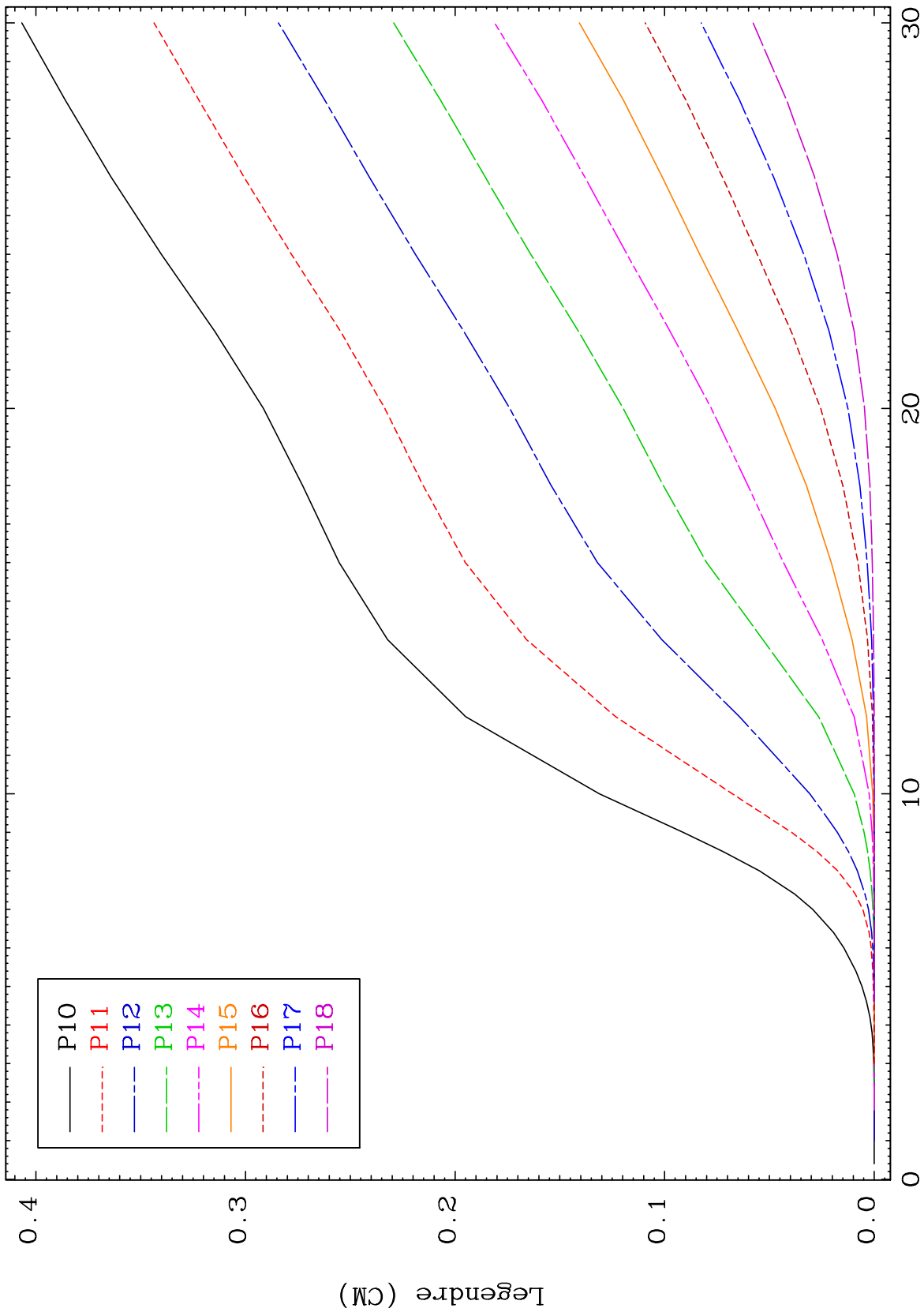
Incident Energy (MeV)

85-At-204

MAT 8528

Elastic Legendre Coefficients

85-At-204



15

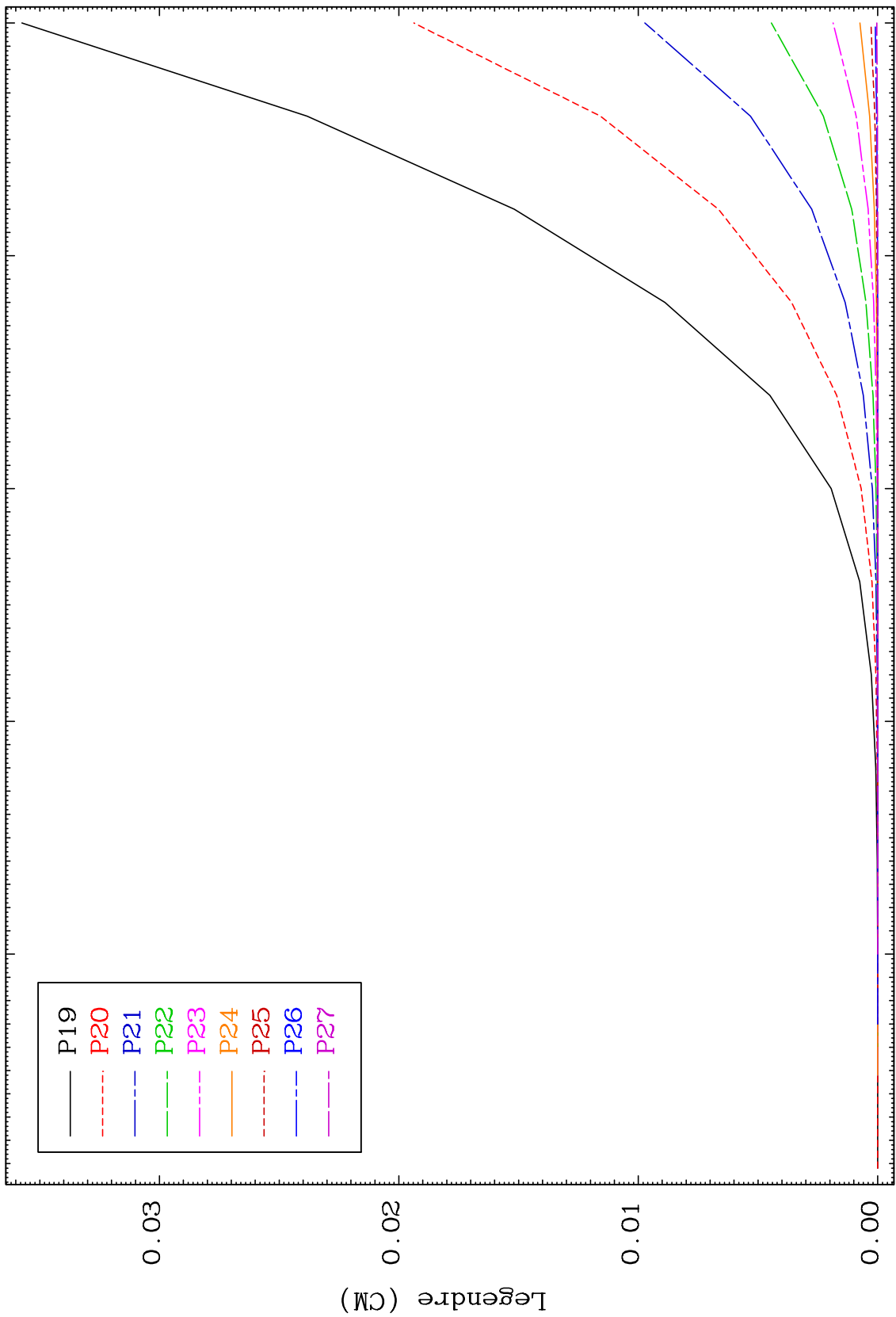
Incident Energy (MeV)

85-At-204

MAT 8528

Elastic Legendre Coefficients

85-At-204



16

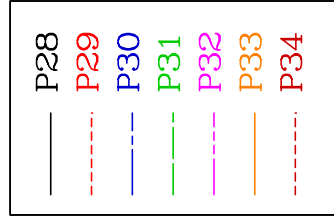
Incident Energy (MeV)

85-At-204

MAT 8528

Elastic
Legendre Coefficients

85-At-204



$\times 10^{-5}$

1.2

1.0

Legendre (CM)

0.8

0.6

0.4

0.2

0.0

15

20

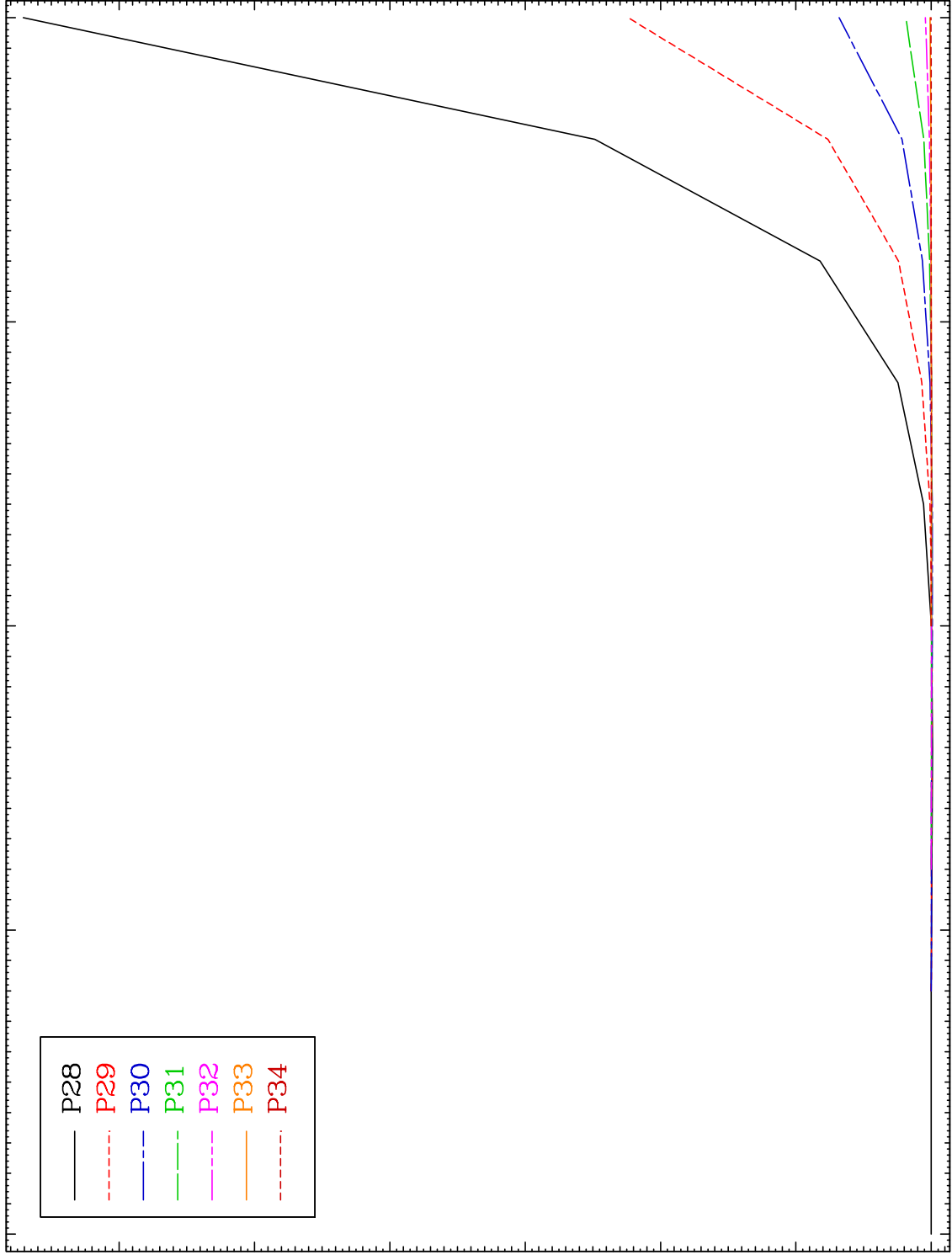
25

30

17

Incident Energy (MeV)

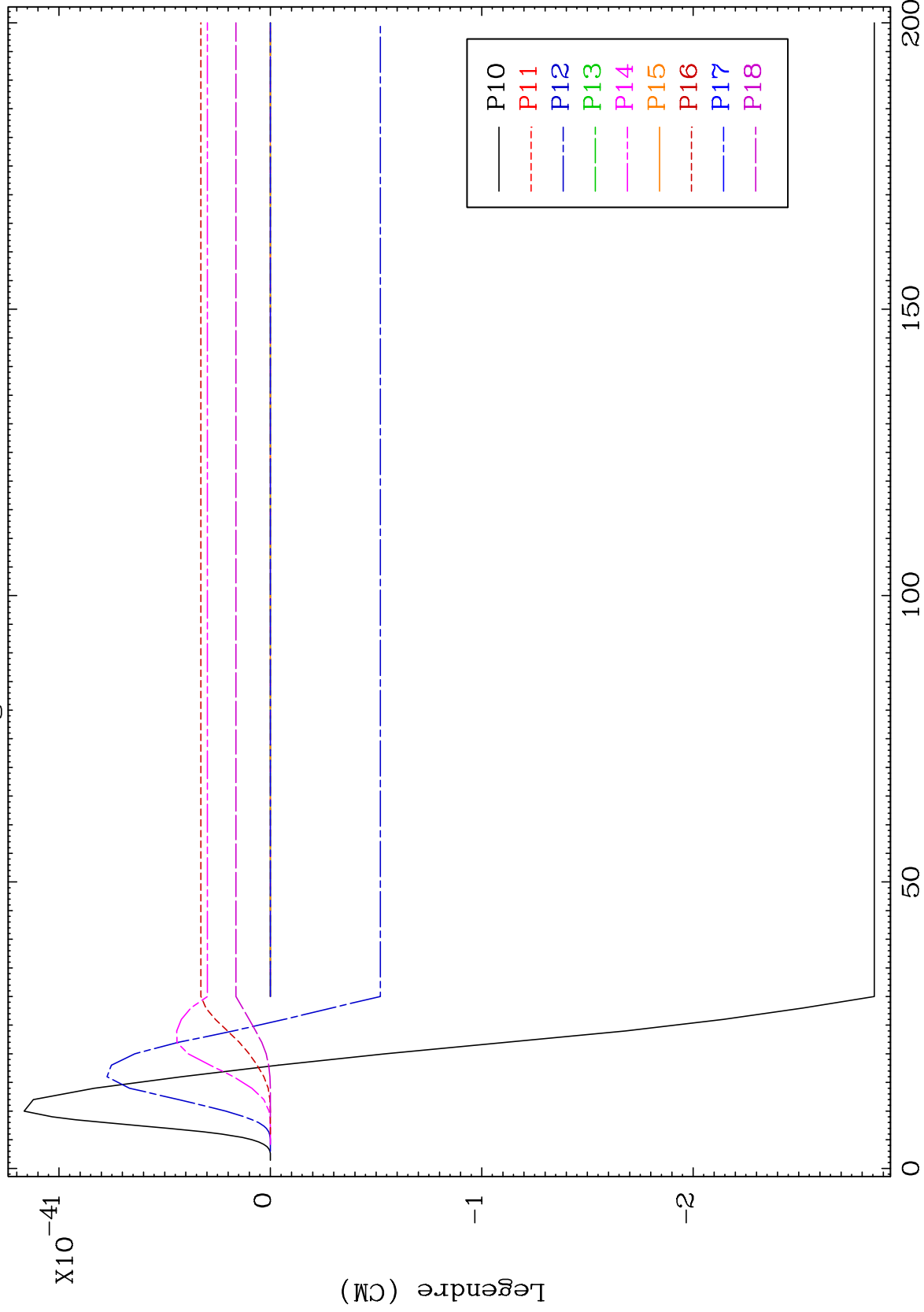
85-At-204



MAT 8528

587.3 keV (n,n') Level
Legendre Coefficients

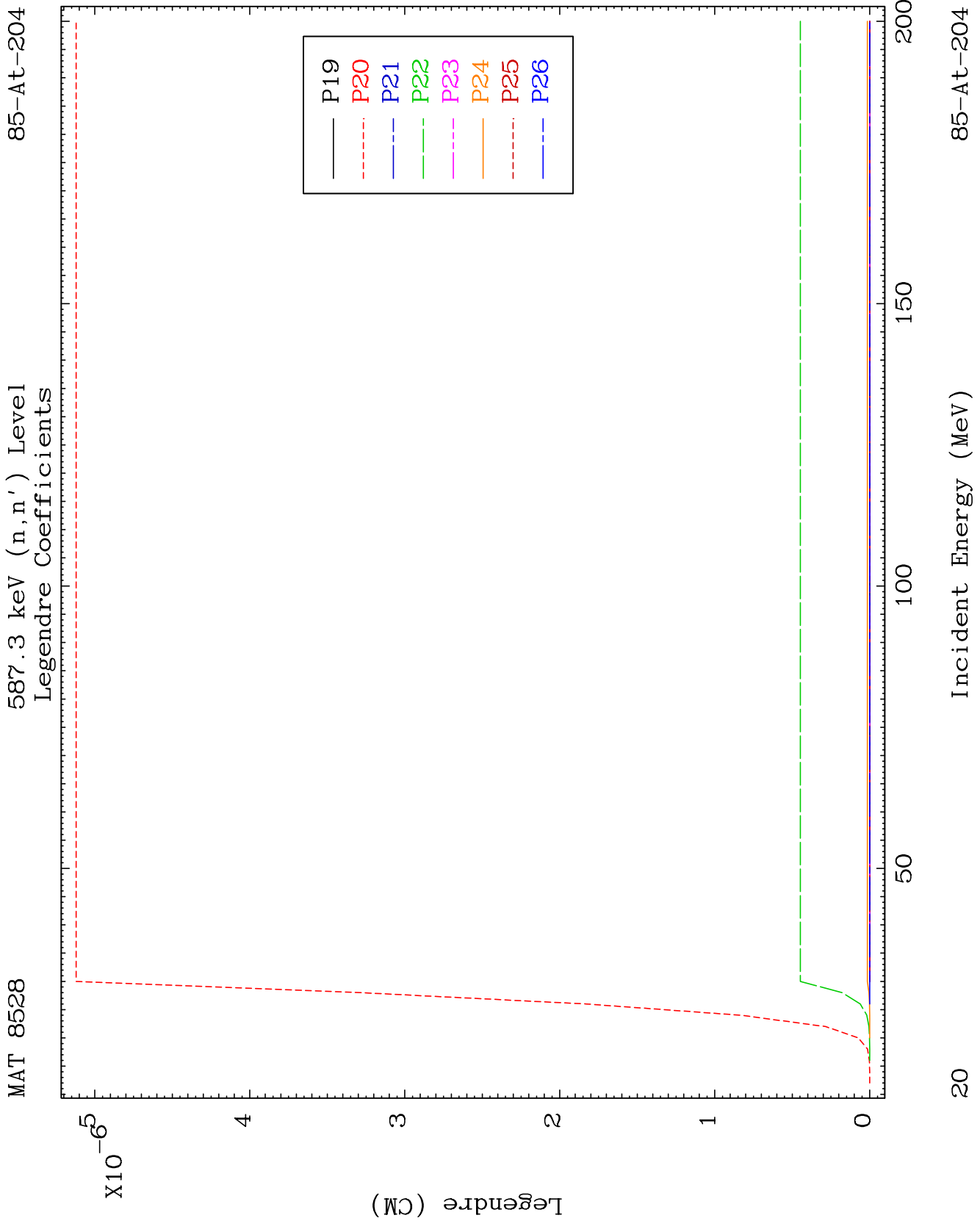
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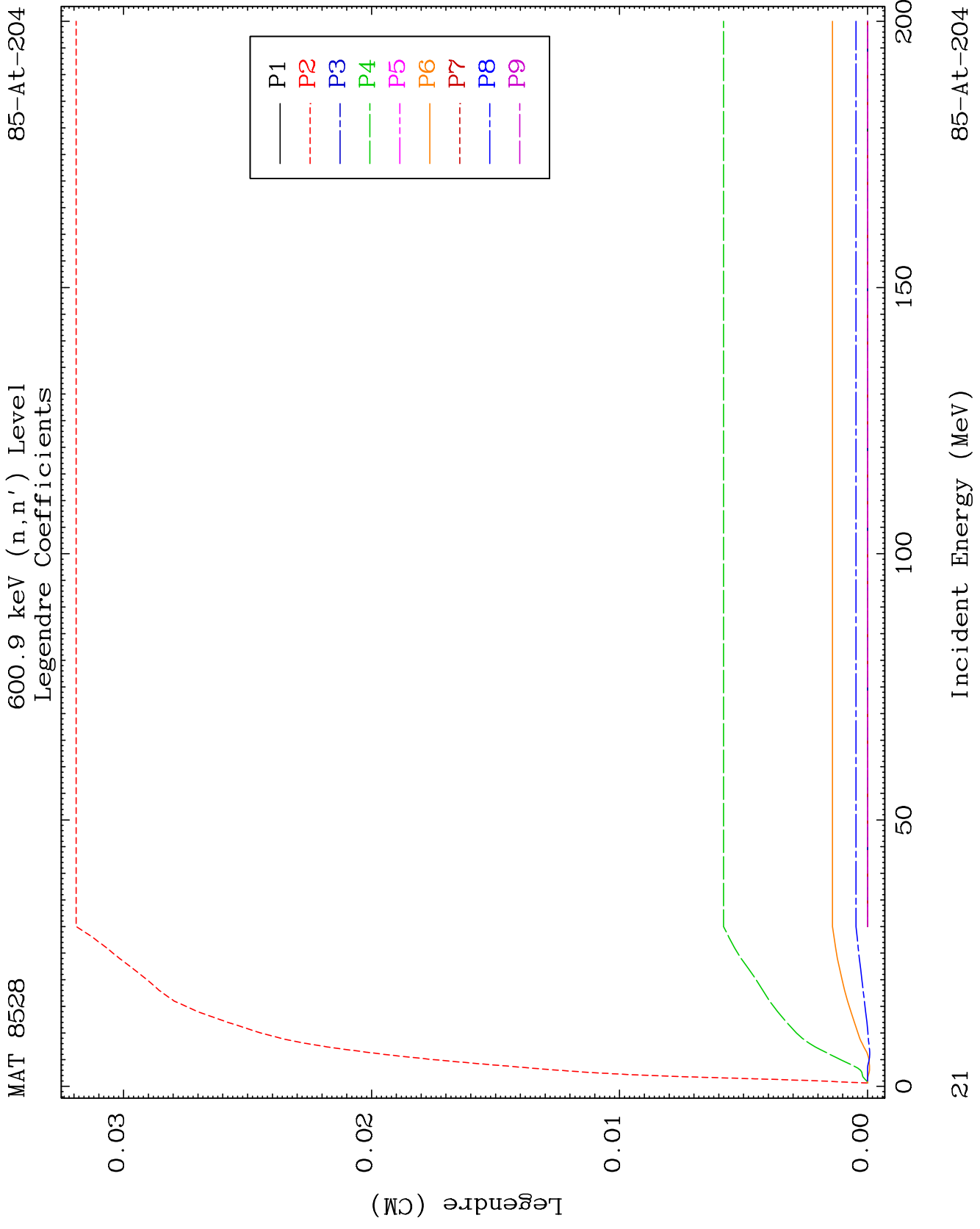


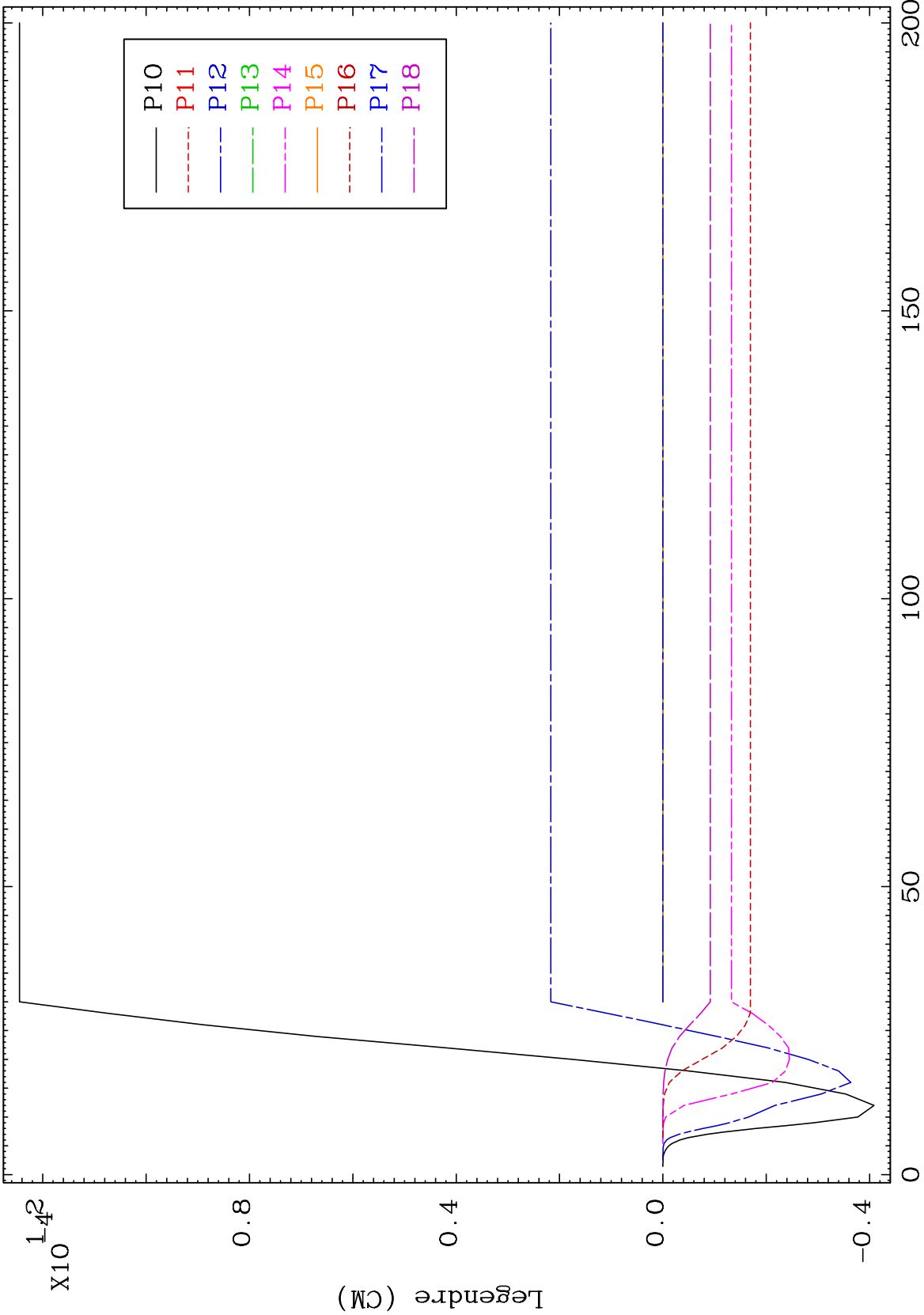
19

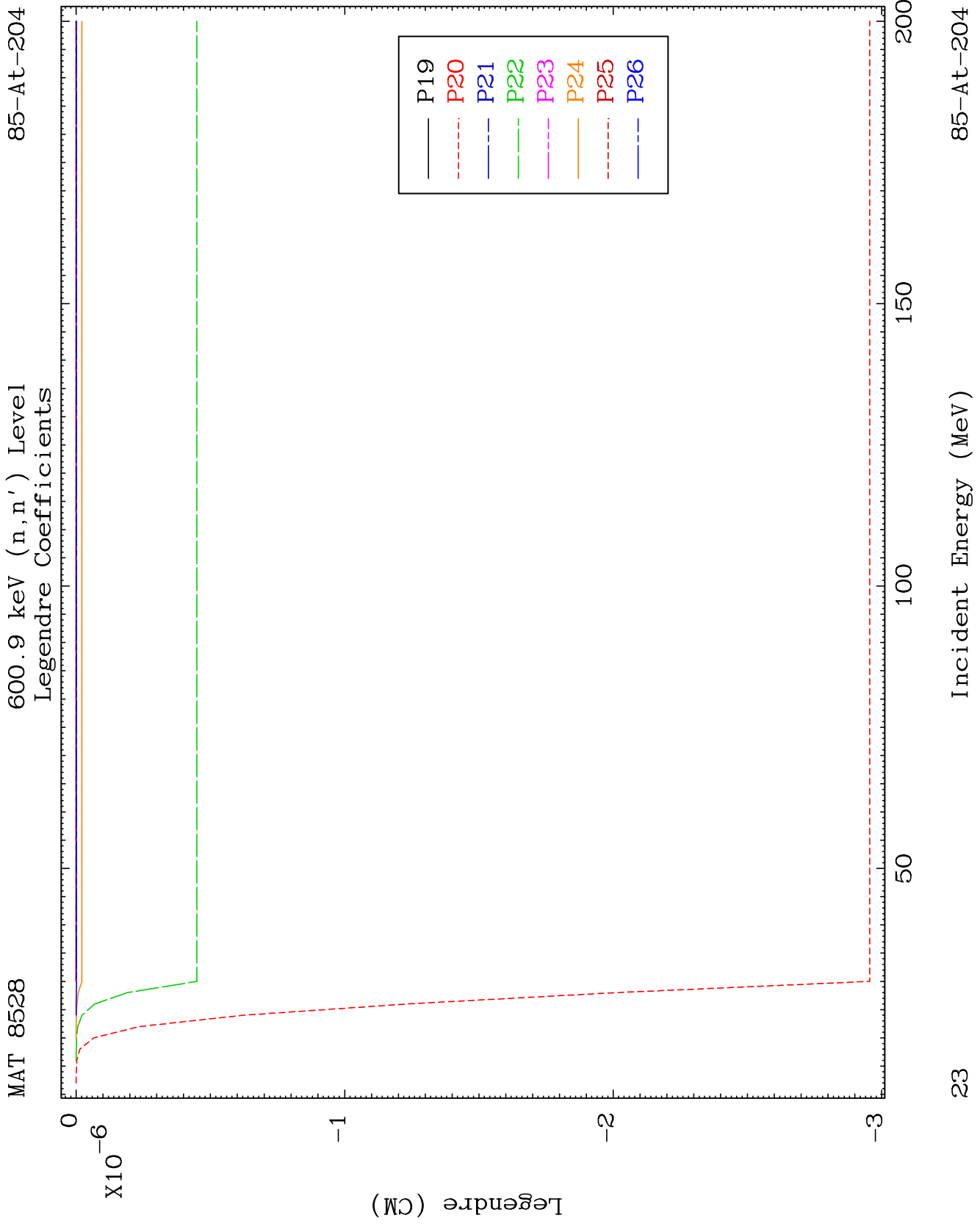
Incident Energy (MeV)

85-At-204





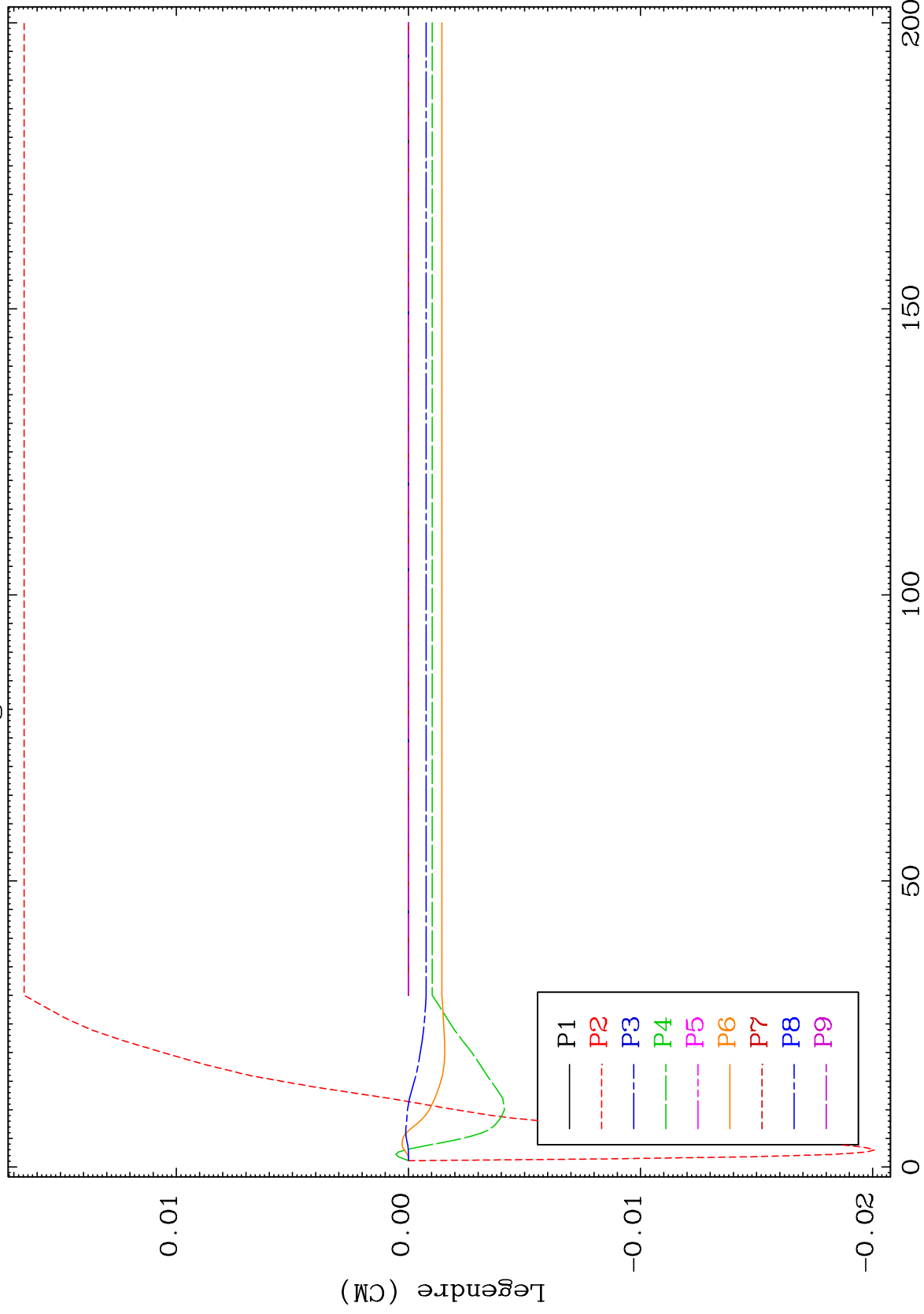




MAT 8528

1.092 MeV (n,n') Level
Legendre Coefficients

85-At-204



24

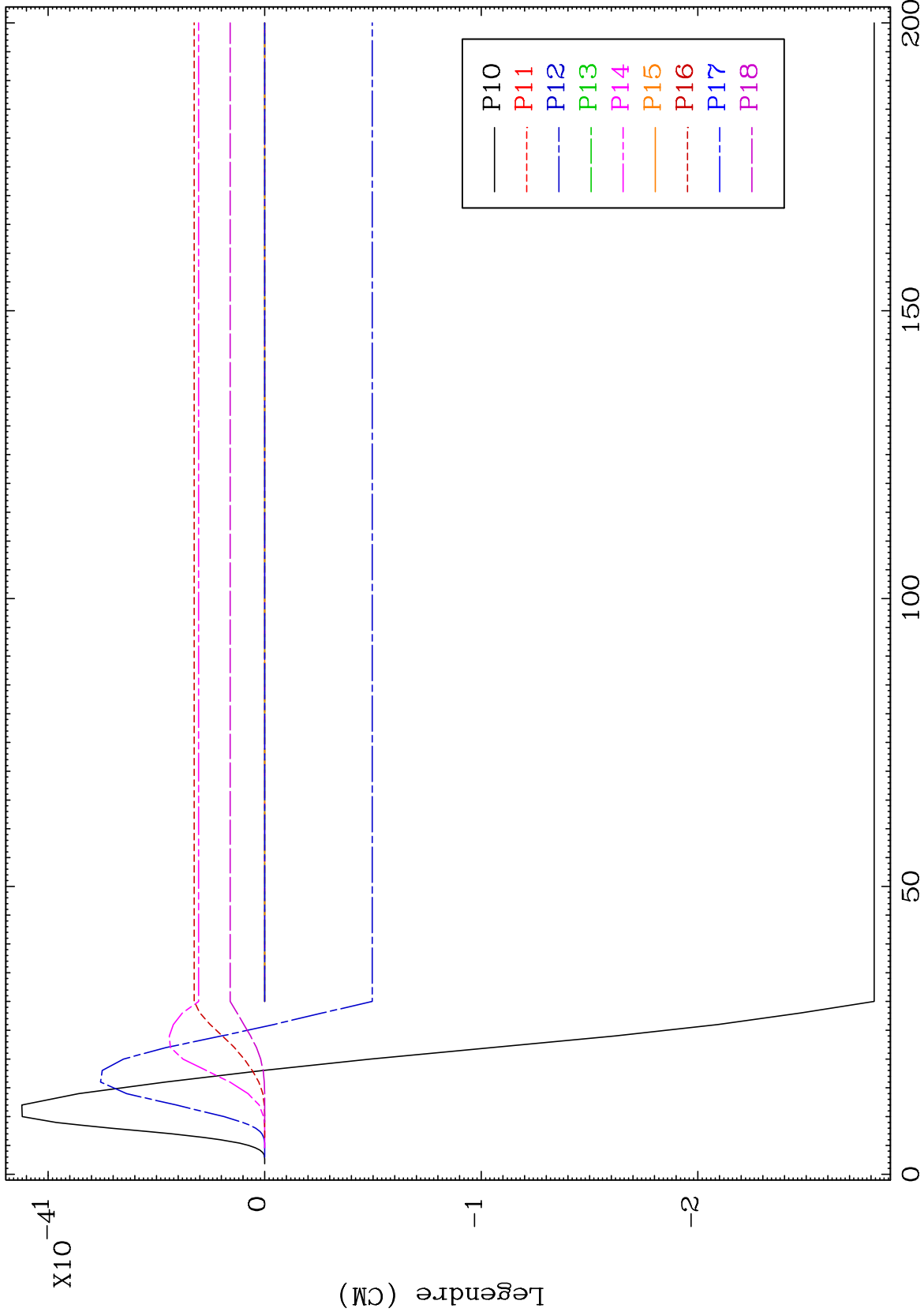
Incident Energy (MeV)

85-At-204

MAT 8528

1.092 MeV (n,n') Level
Legendre Coefficients

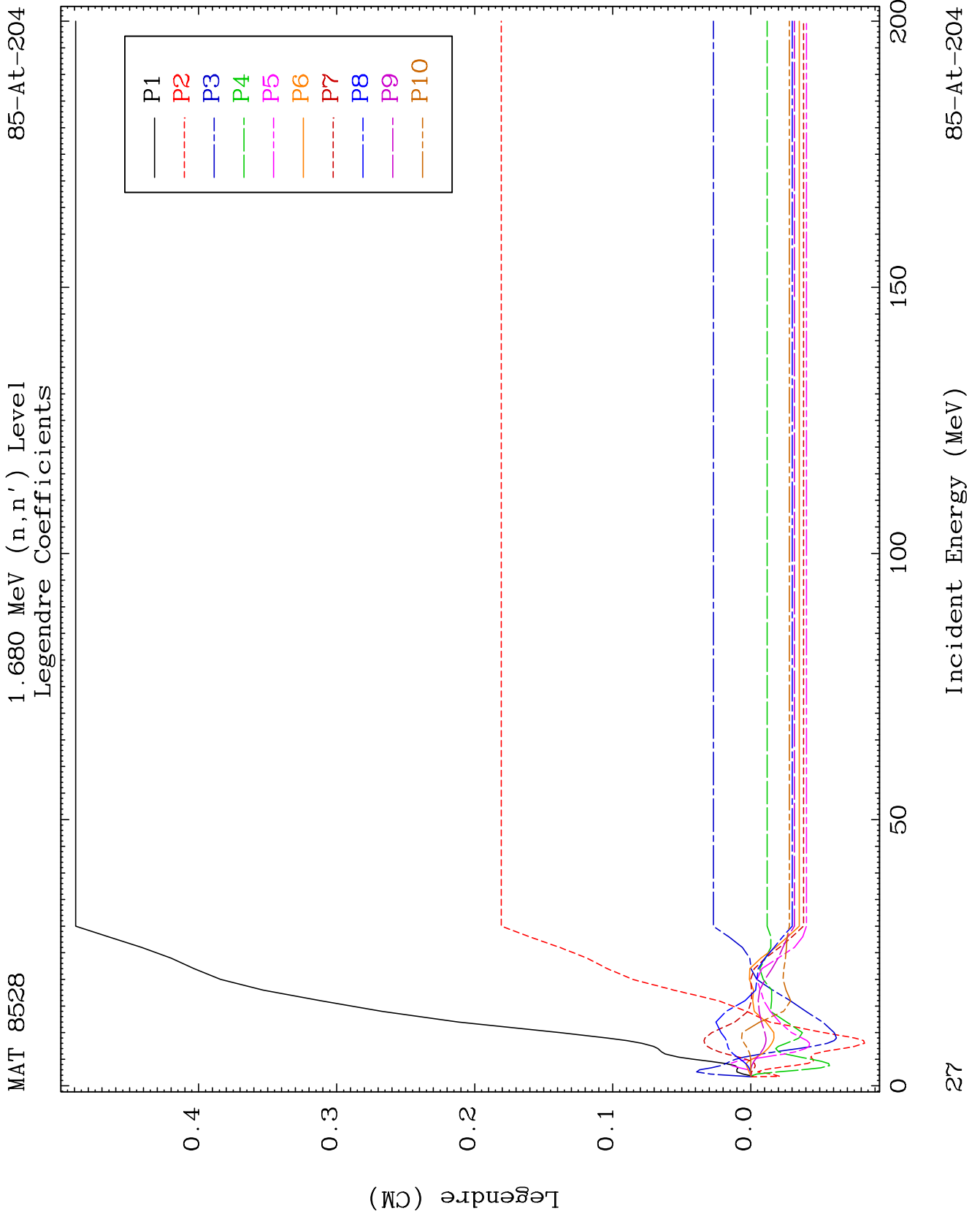
85-At-204



25

Incident Energy (MeV)

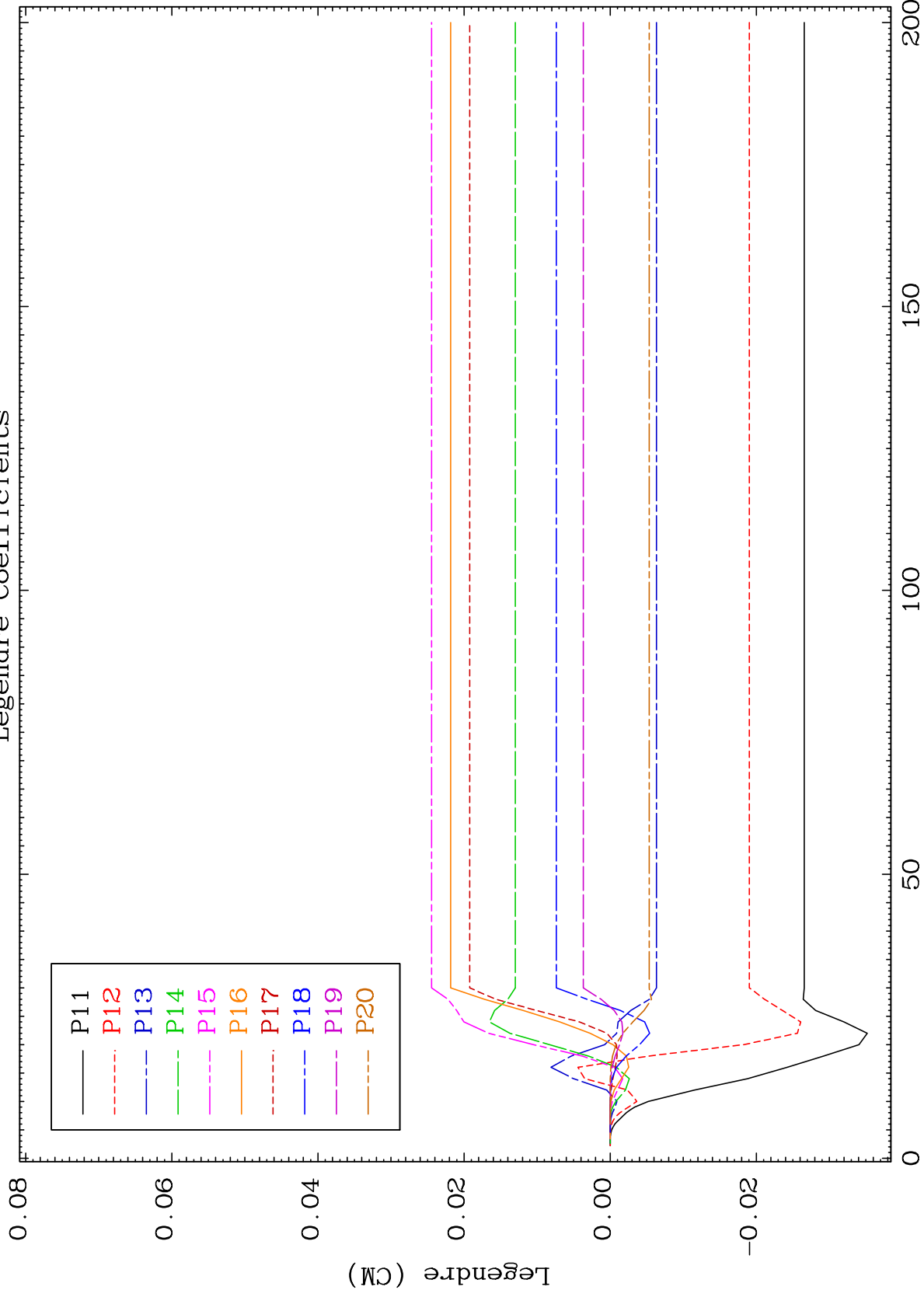
85-At-204



MAT 8528

1.680 MeV (n,n') Level
Legendre Coefficients

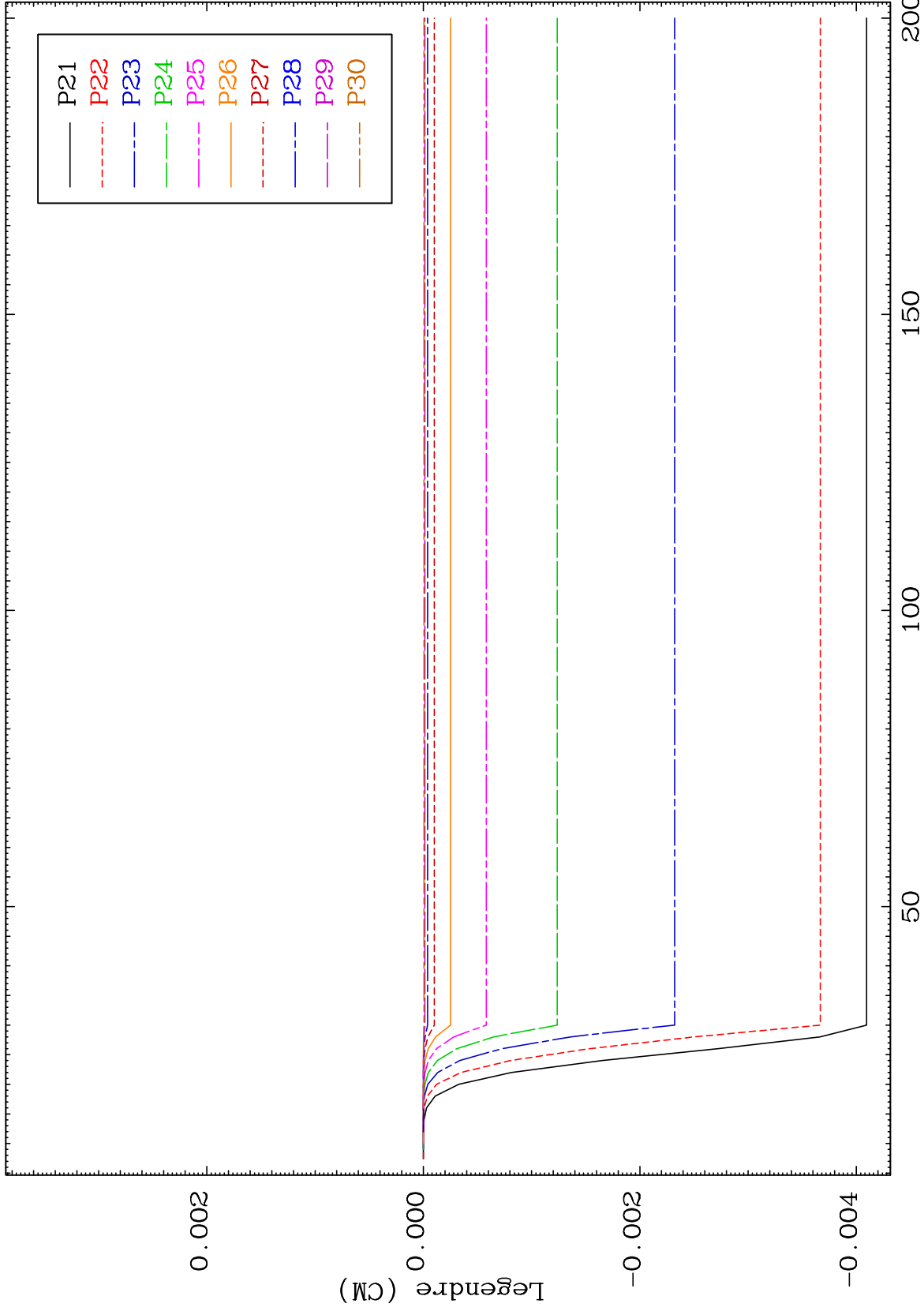
85-At-204

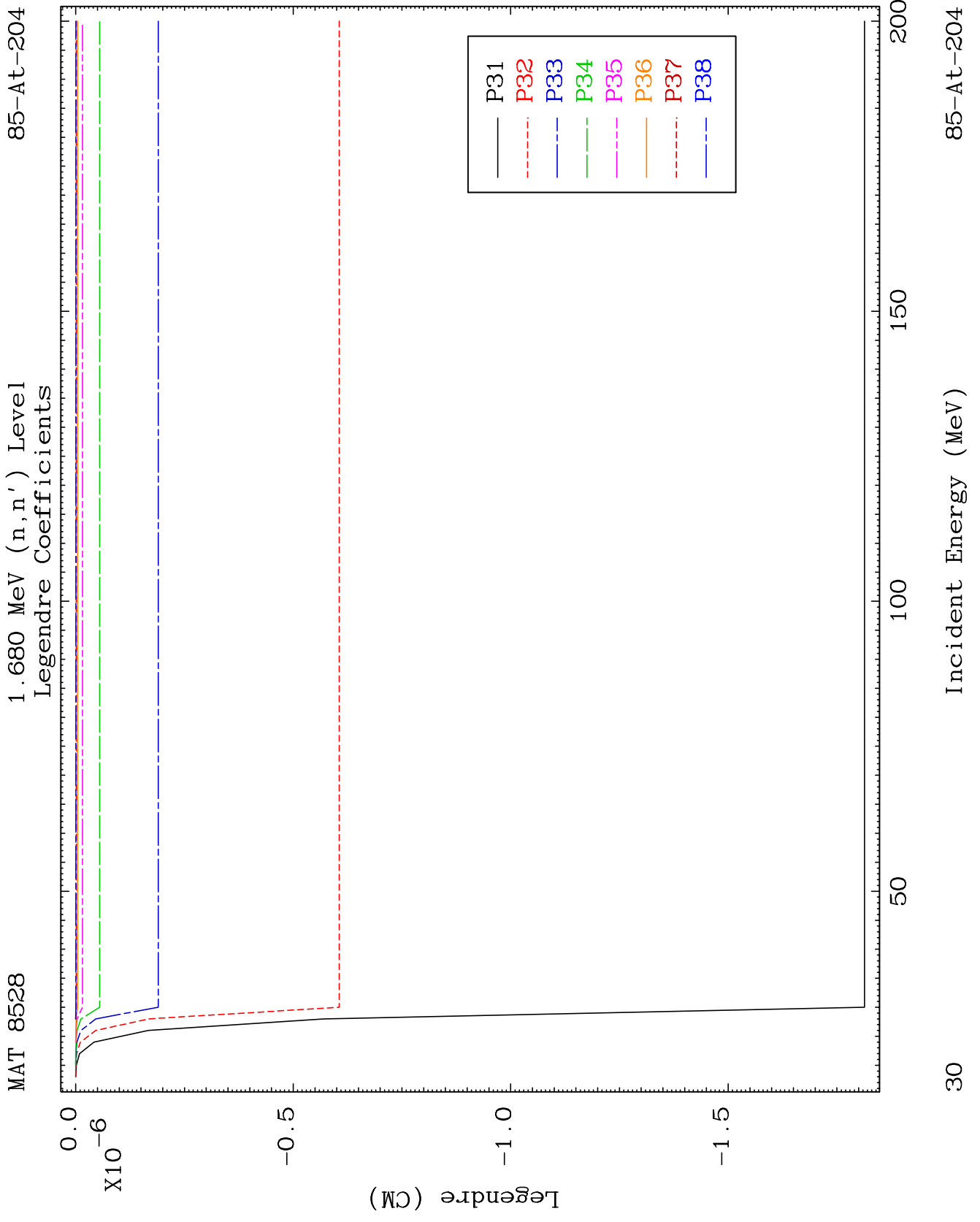


28

Incident Energy (MeV)

85-At-204

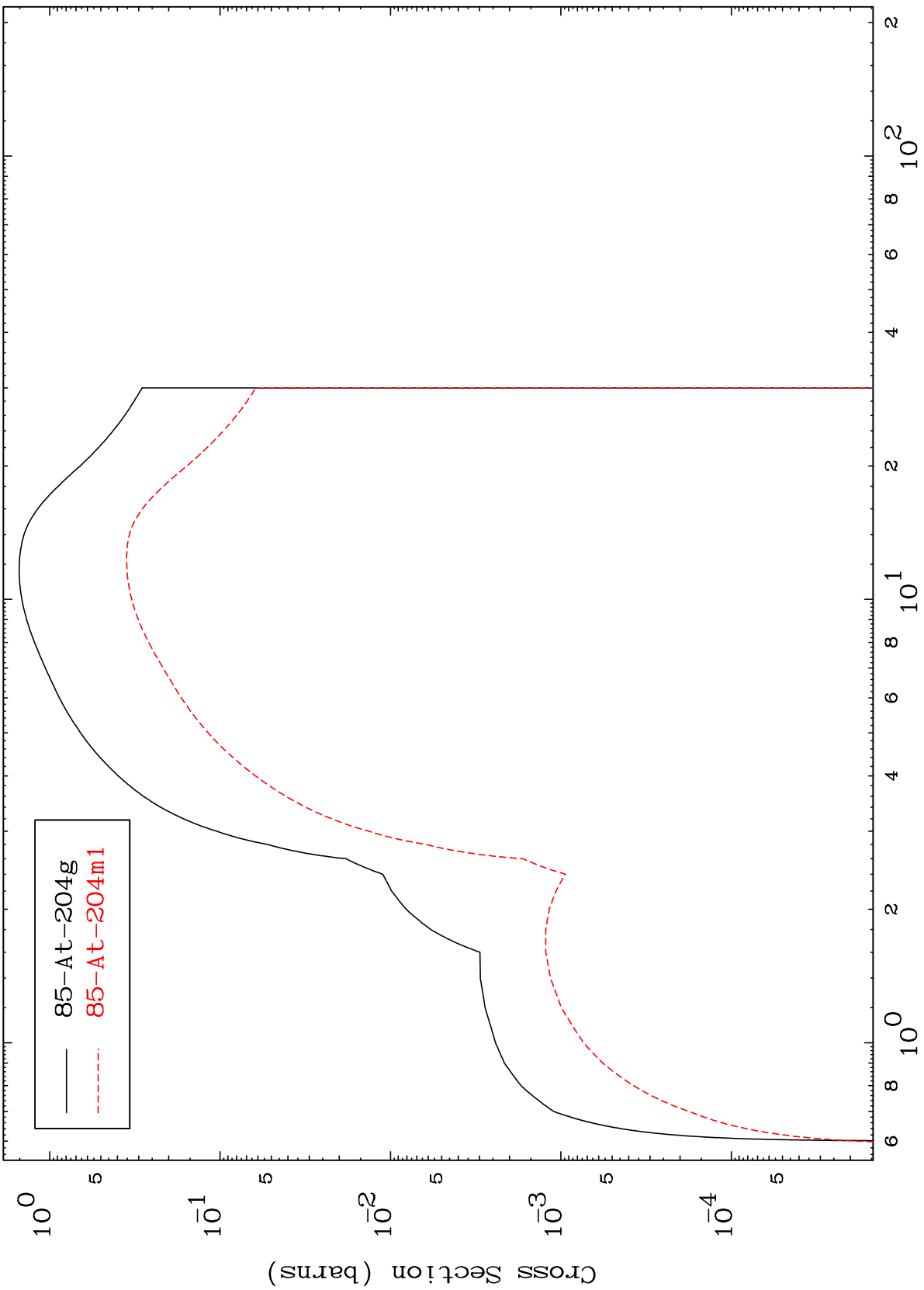




MAT 8528

85-At-204

Radionuclide Production Cross Section

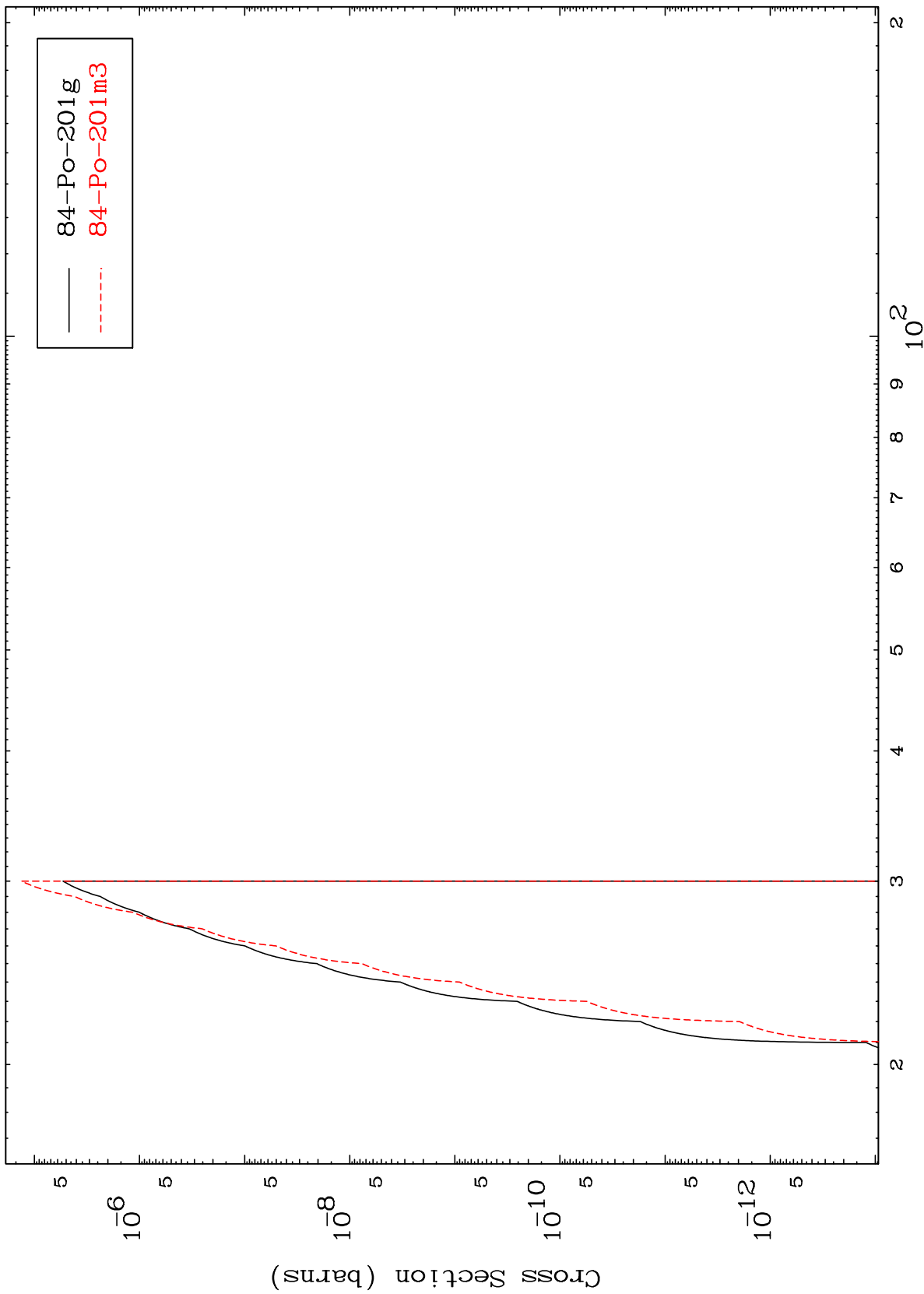


Incident Energy (MeV)

85-At-204

31

Radionuclide Production Cross Section

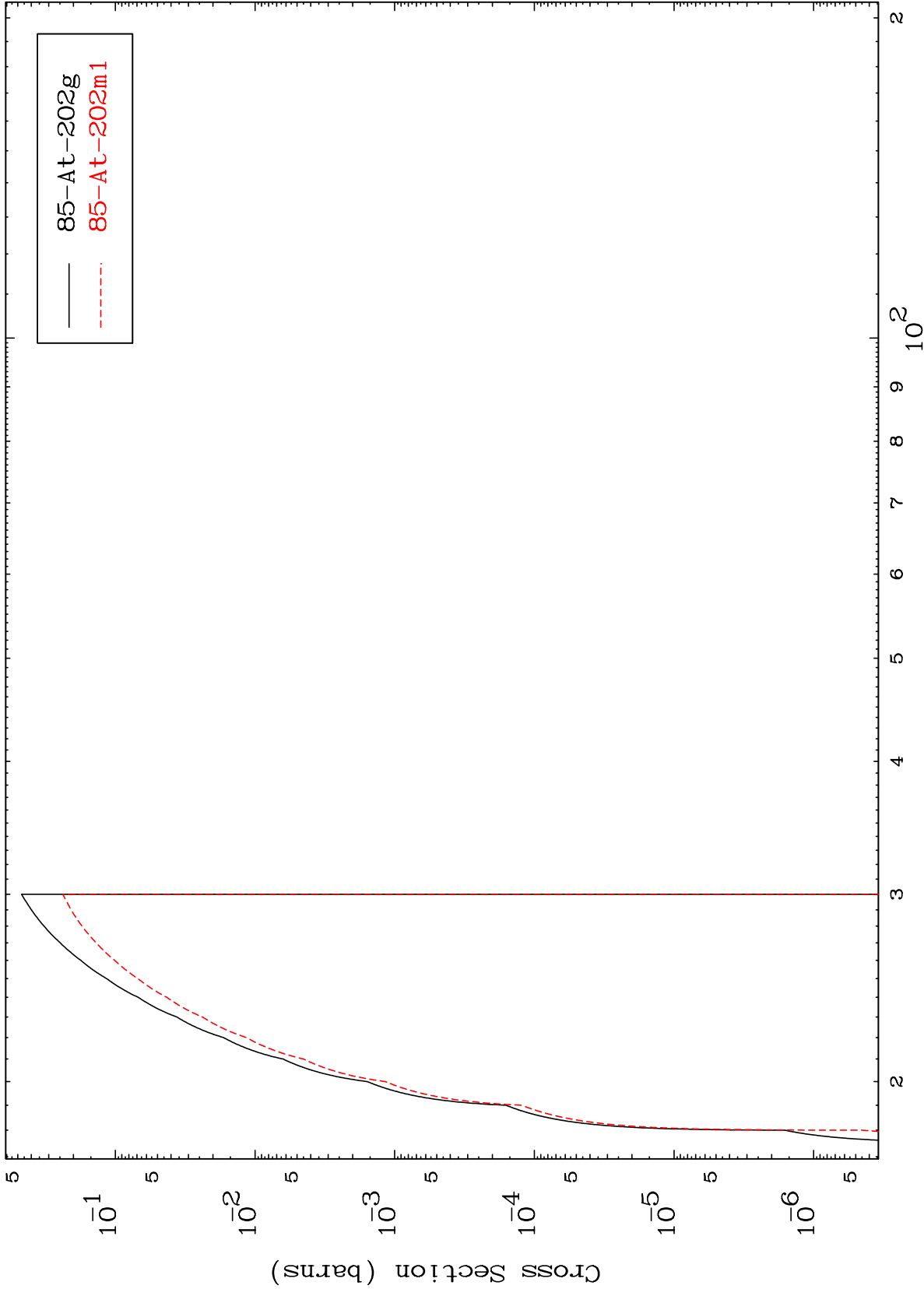


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(n,3n)

85-At-204

Radionuclide Production Cross Section



33

Incident Energy (MeV)

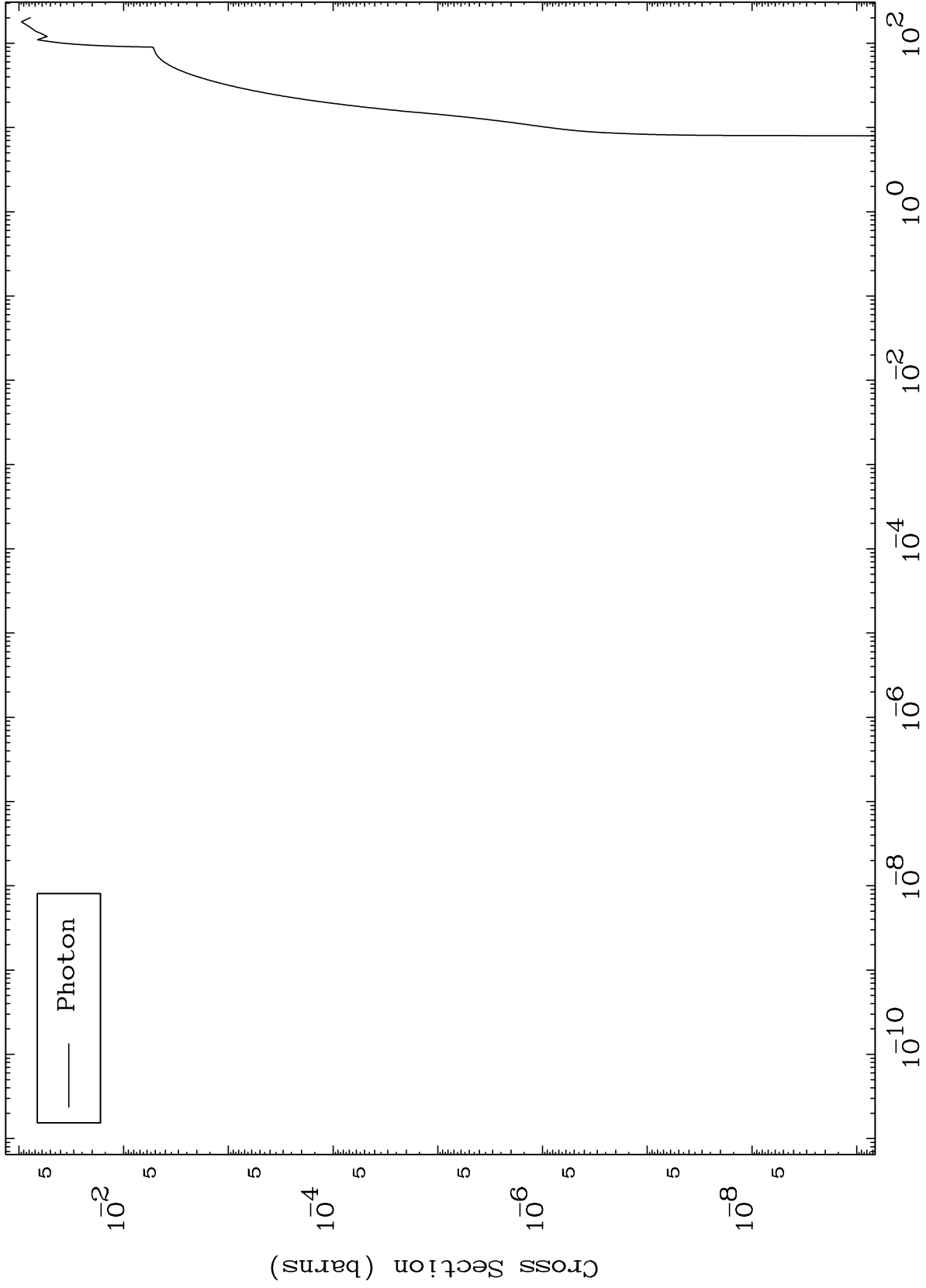
85-At-204

MAT 8528

Fission

85-At-204

Radionuclide Production Cross Section



34

Incident Energy (MeV)

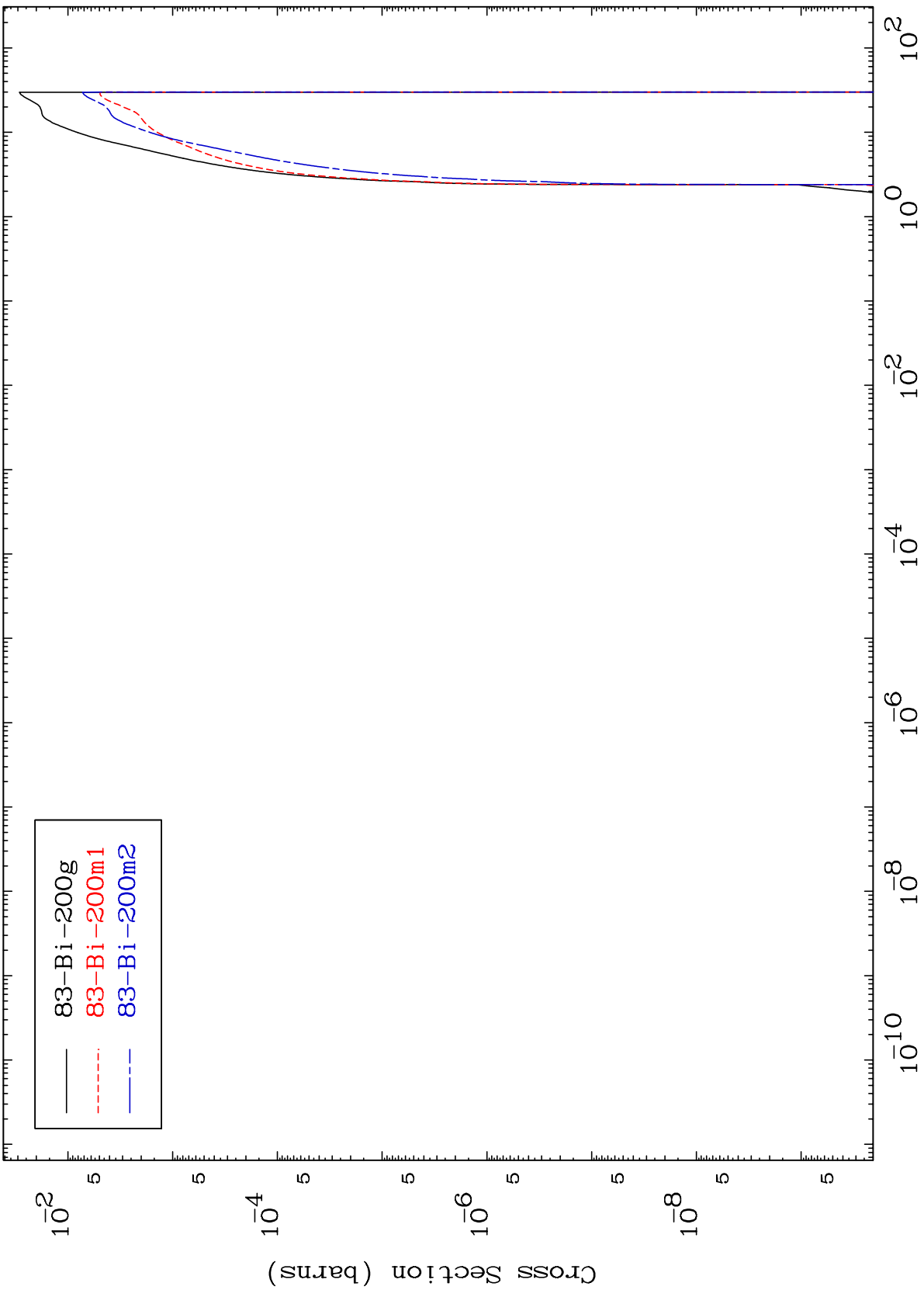
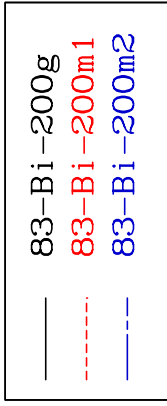
85-At-204

MAT 8528

$(n, n') \alpha$

85-At-204

Radionuclide Production Cross Section



35

Incident Energy (MeV)

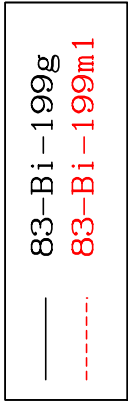
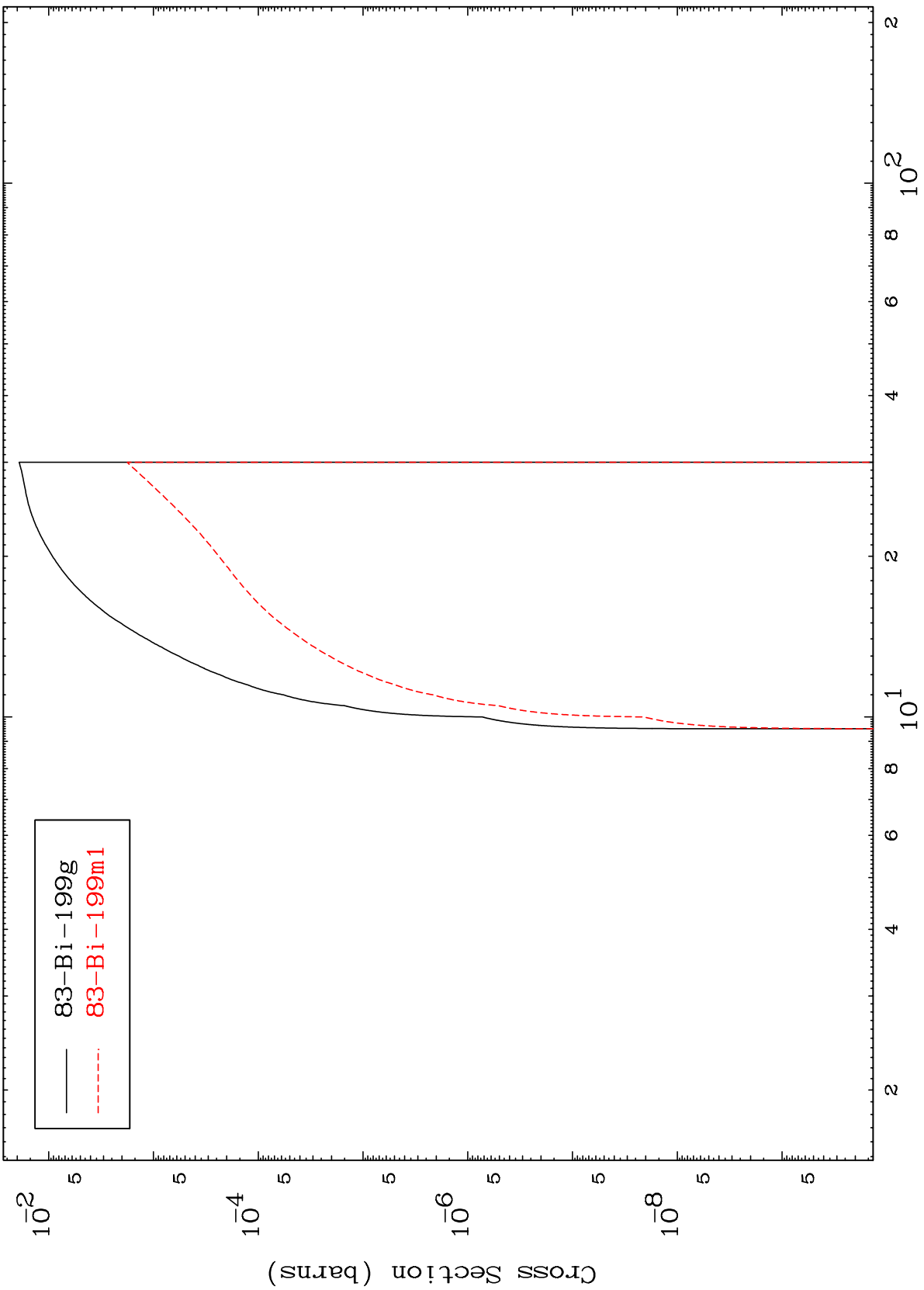
85-At-204

MAT 8528

(n,2n) α

85-At-204

Radionuclide Production Cross Section



36

Incident Energy (MeV)

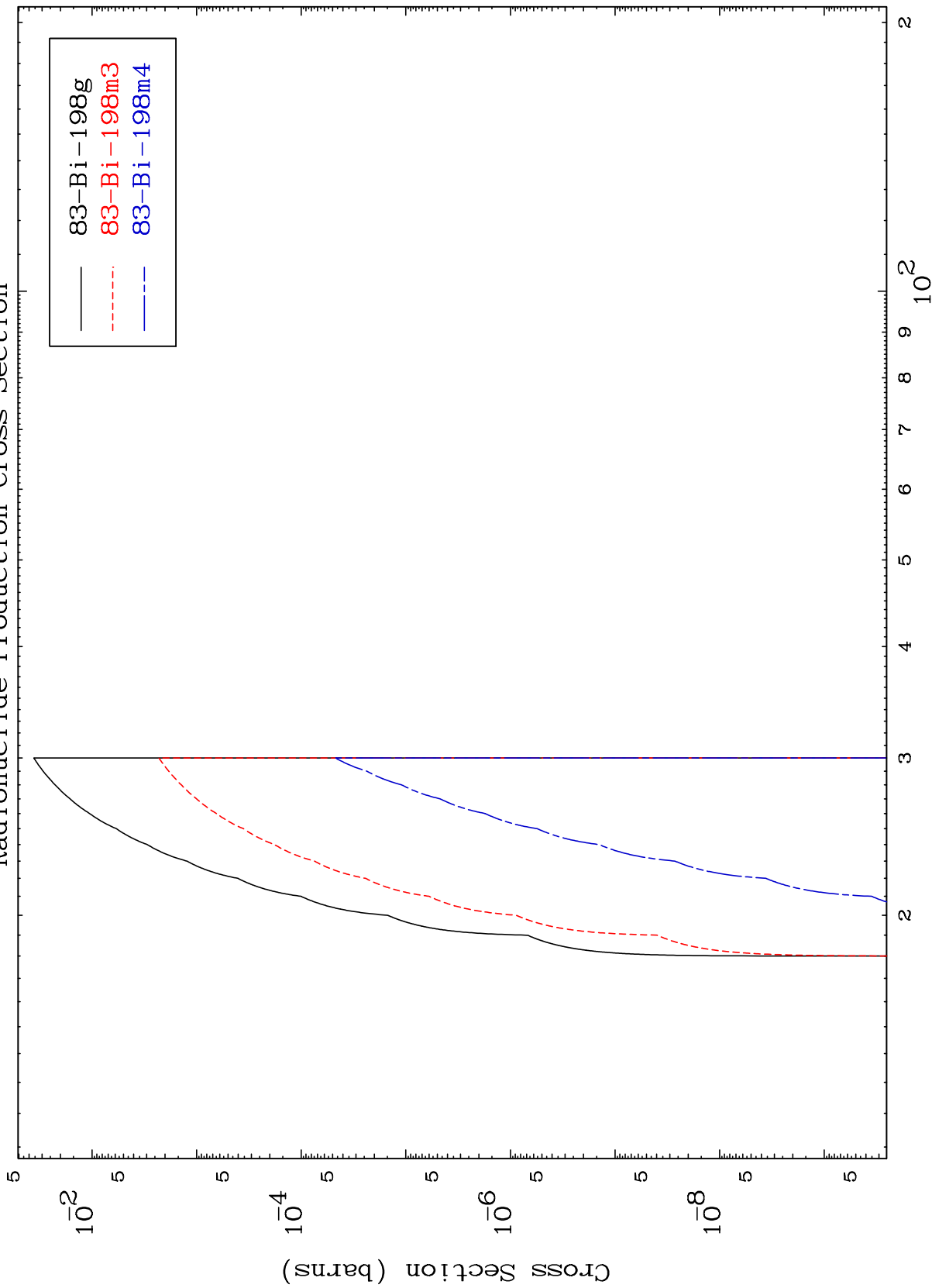
85-At-204

MAT 8528

$(n,3n) \alpha$

85-At-204

Radionuclide Production Cross Section

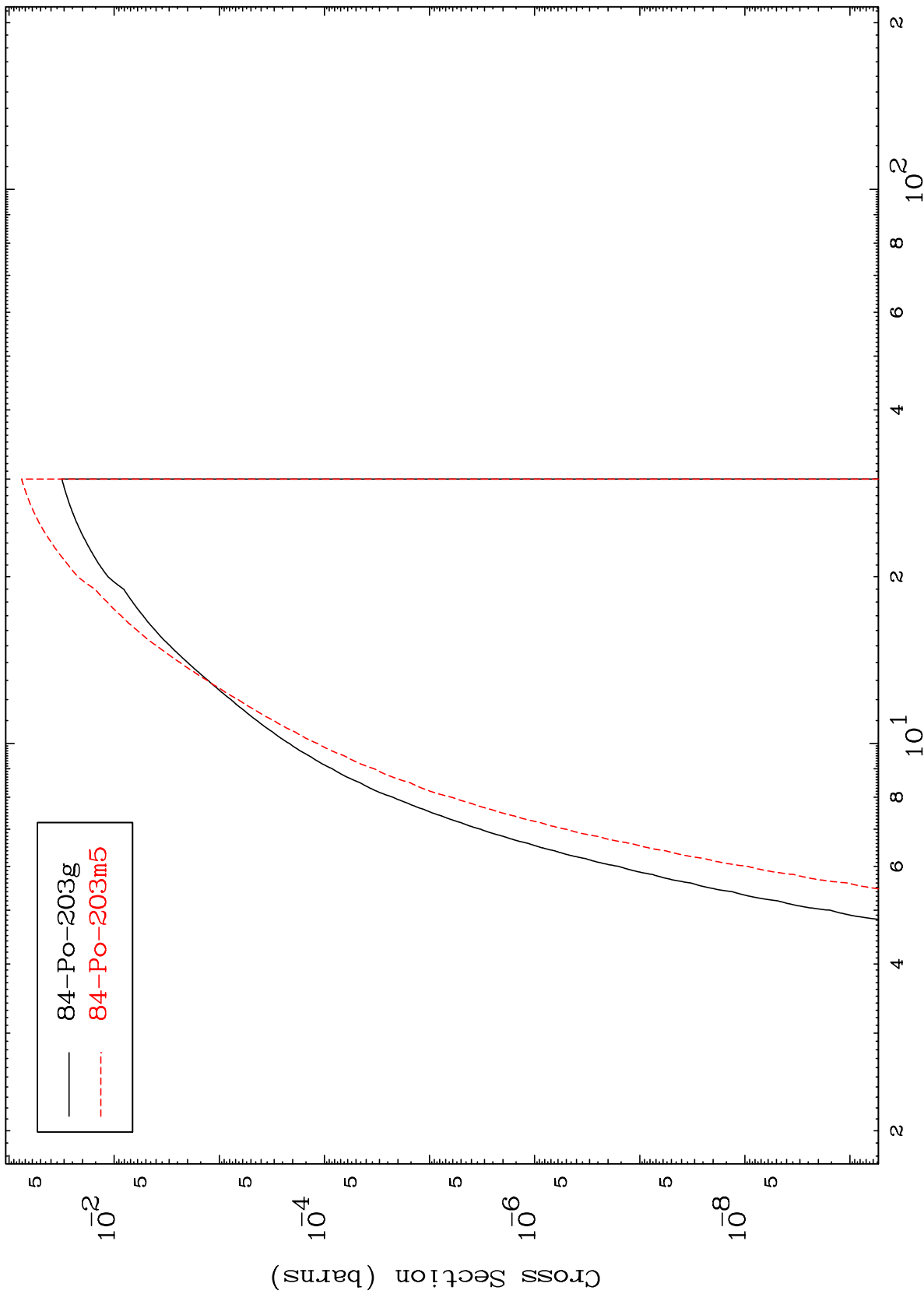


37

Incident Energy (MeV)

85-At-204

(n,n') p
Radionuclide Production Cross Section

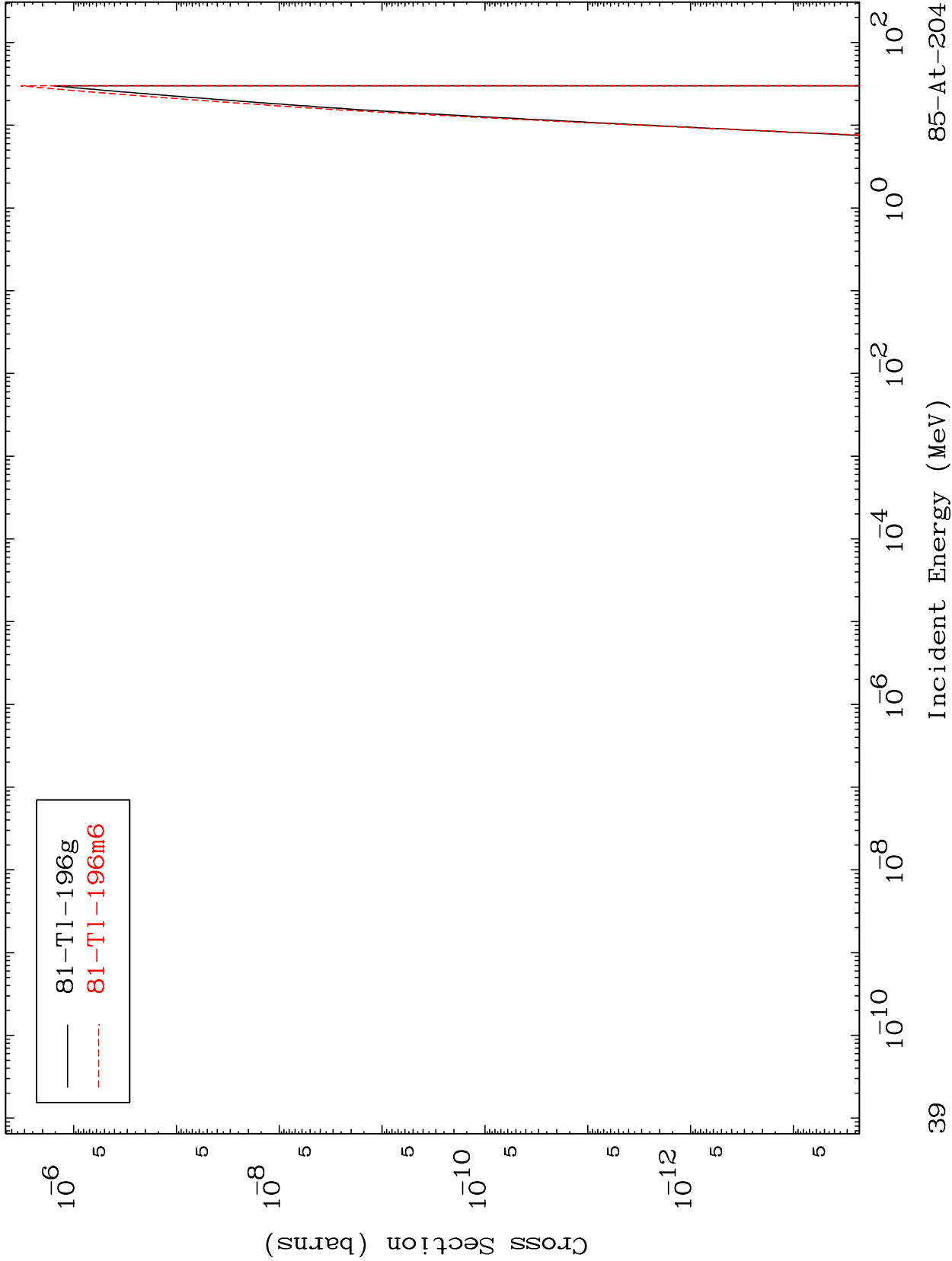


MAT 8528

(n,n') 2 α

85-At-204

Radionuclide Production Cross Section

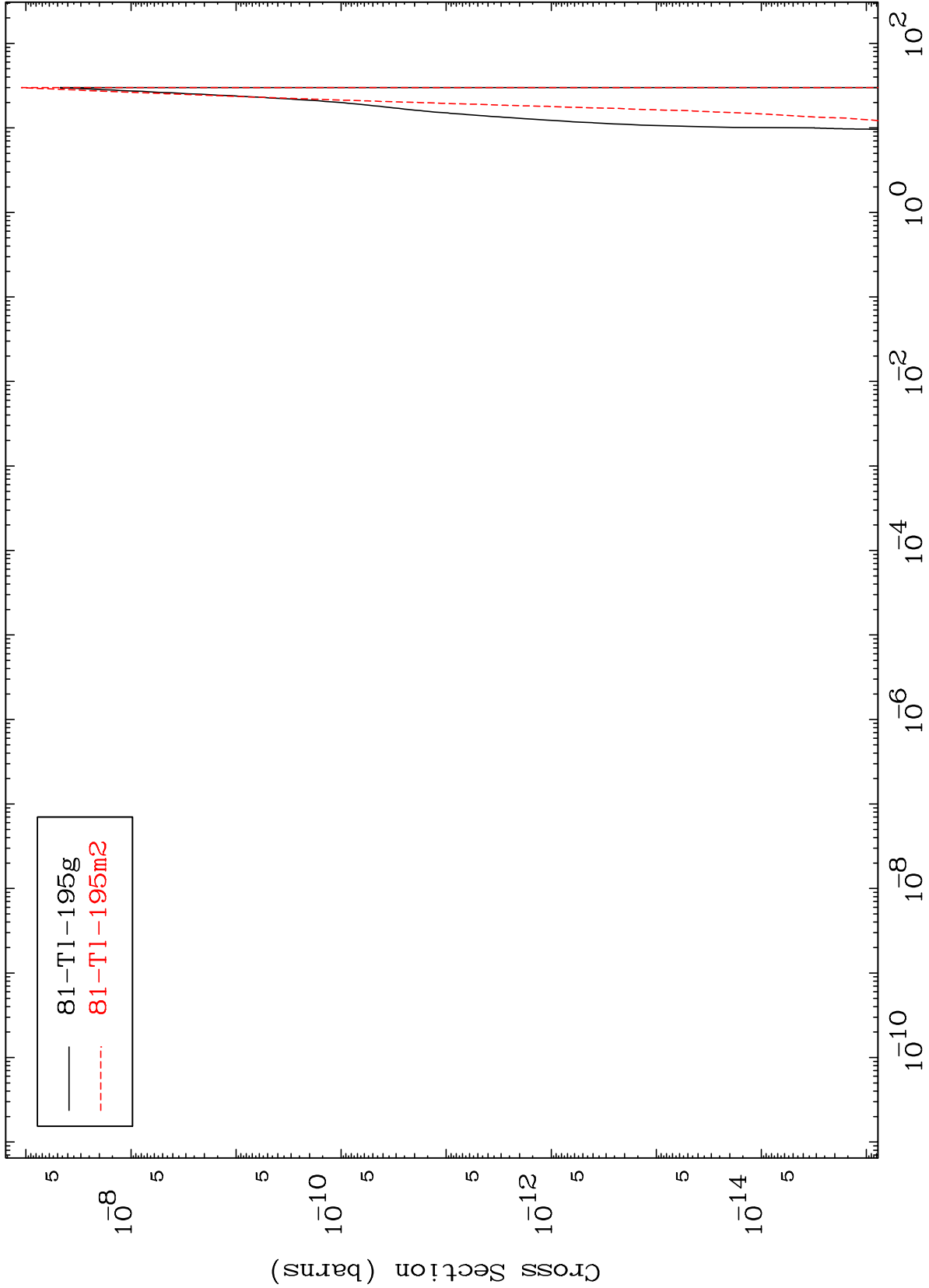


MAT 8528

(n,2n) 2α

85-At-204

Radionuclide Production Cross Section



40

Incident Energy (MeV)

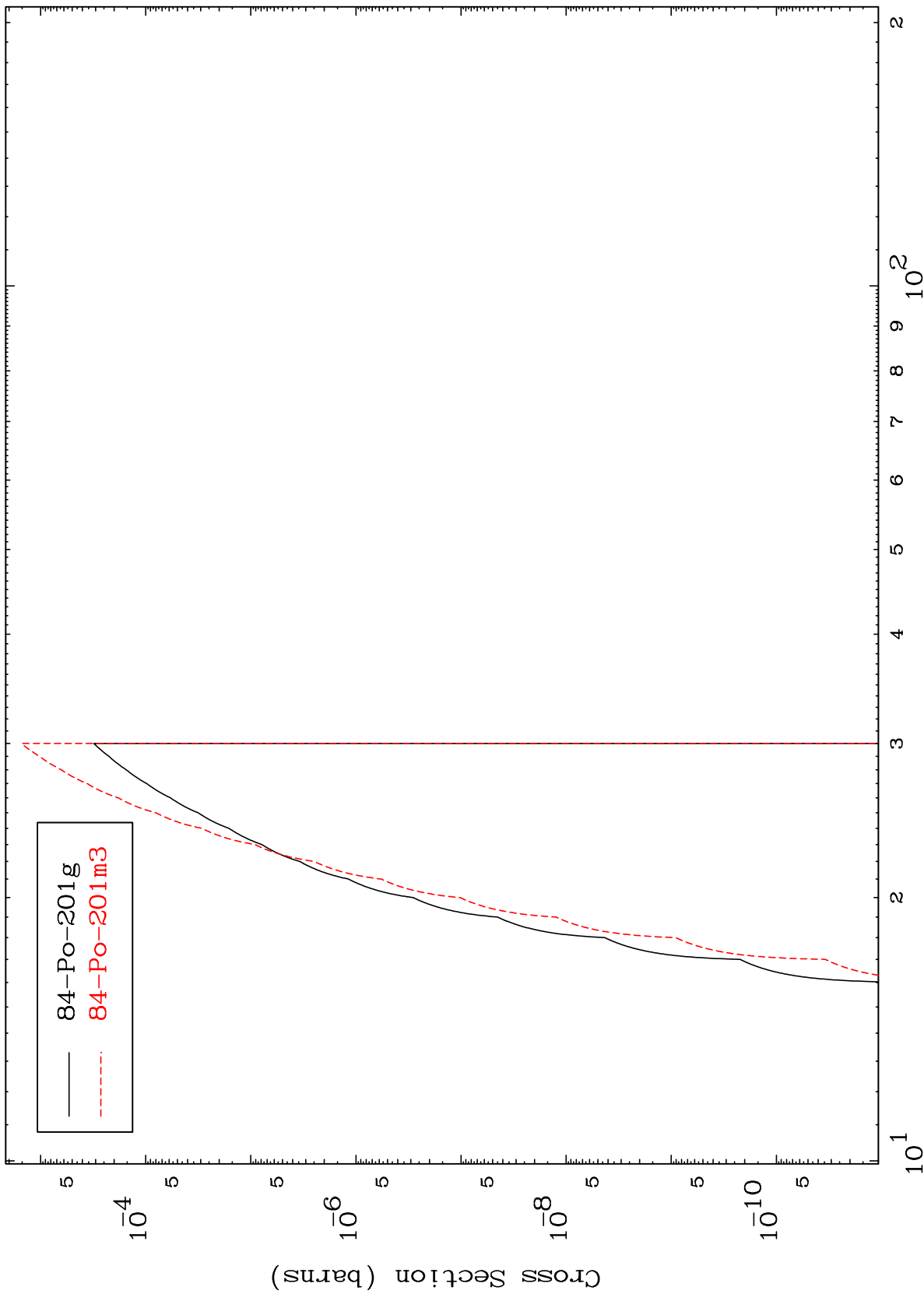
85-At-204

MAT 8528

(n,n') t

85-At-204

Radionuclide Production Cross Section



84-Po-201g
84-Po-201m3

Incident Energy (MeV)

85-At-204

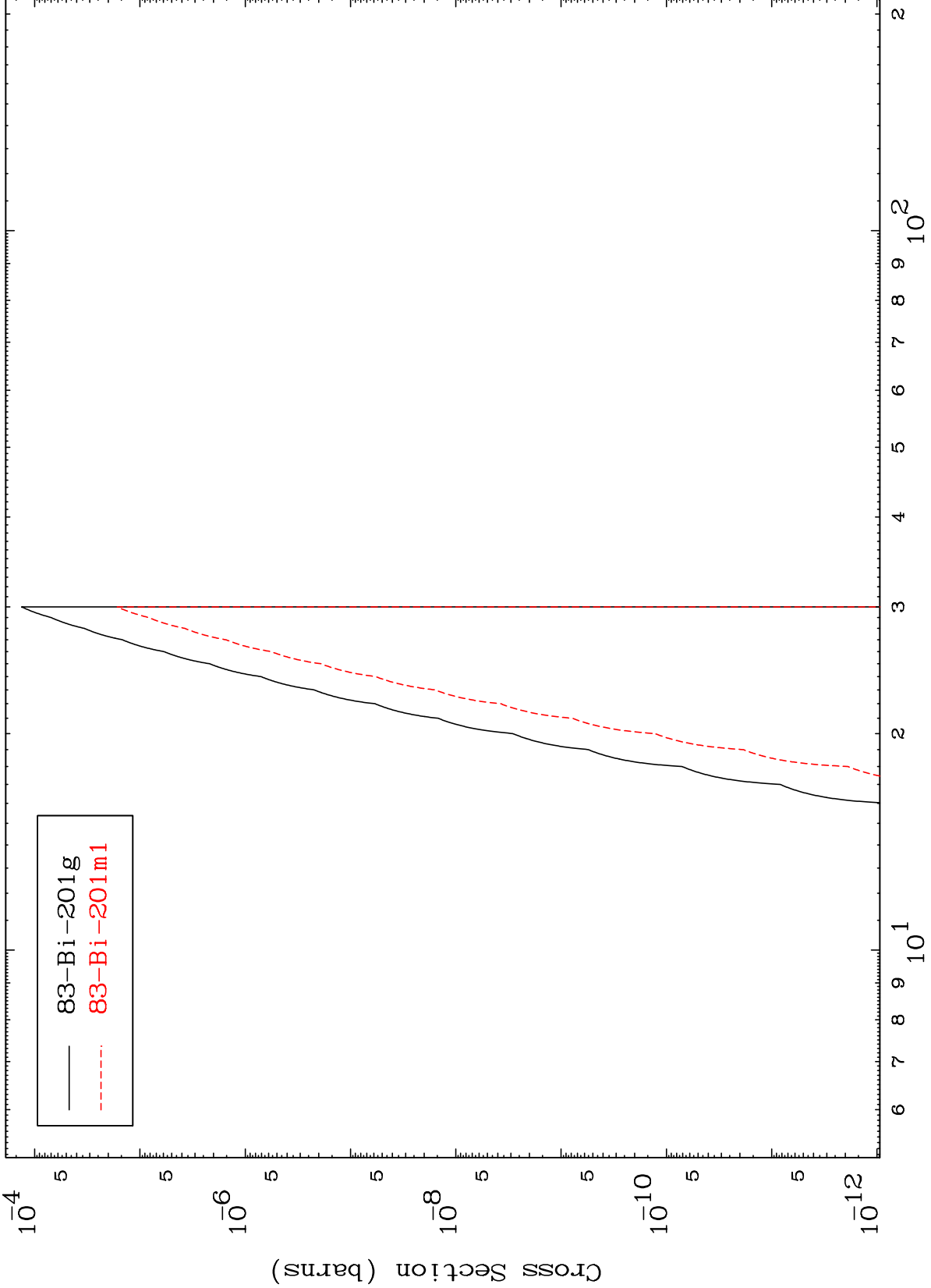
41

MAT 8528

(n,n') He-3

85-At-204

Radionuclide Production Cross Section



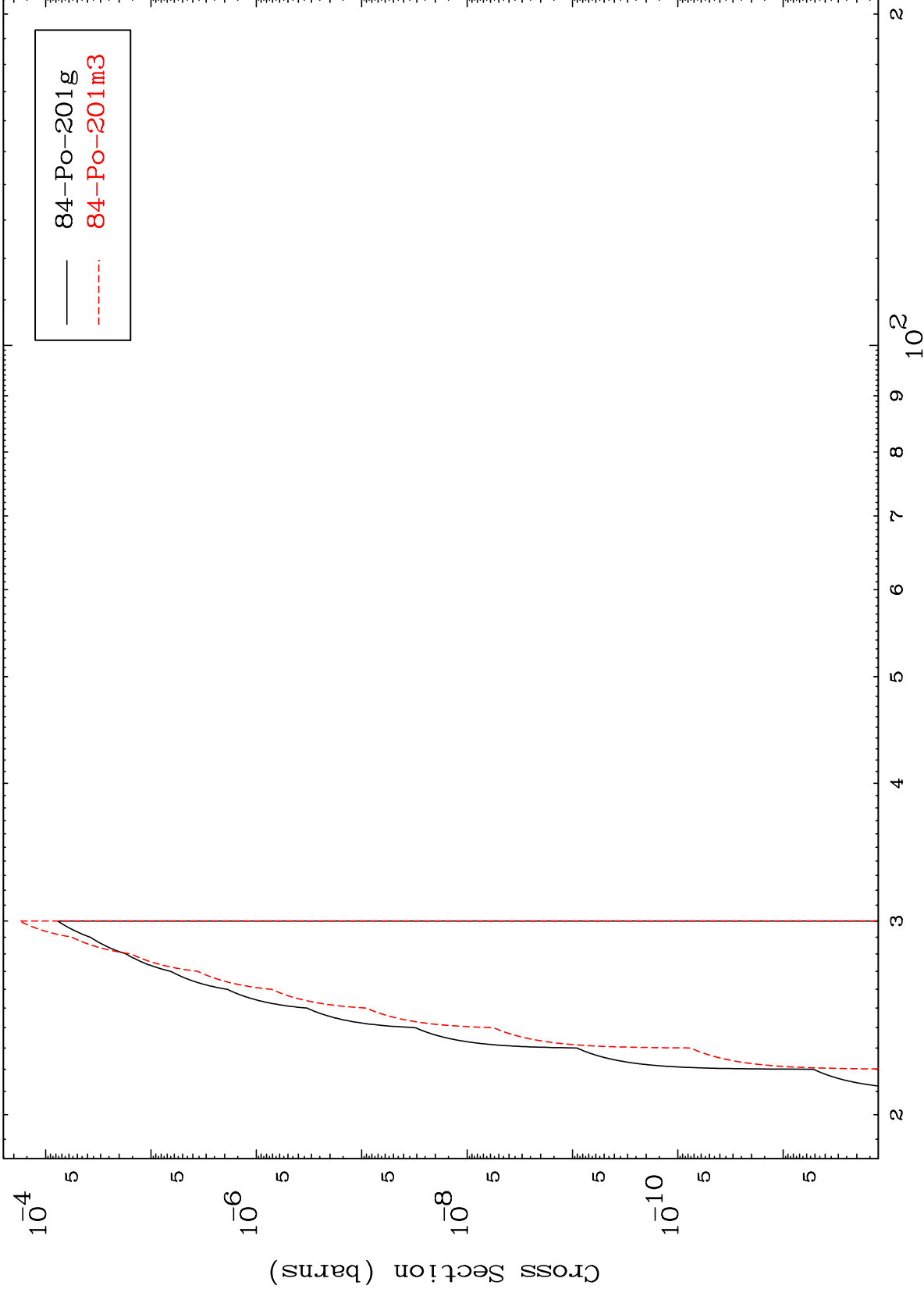
83-Bi-201g
83-Bi-201m1

42

Incident Energy (MeV)

85-At-204

Radionuclide Production Cross Section



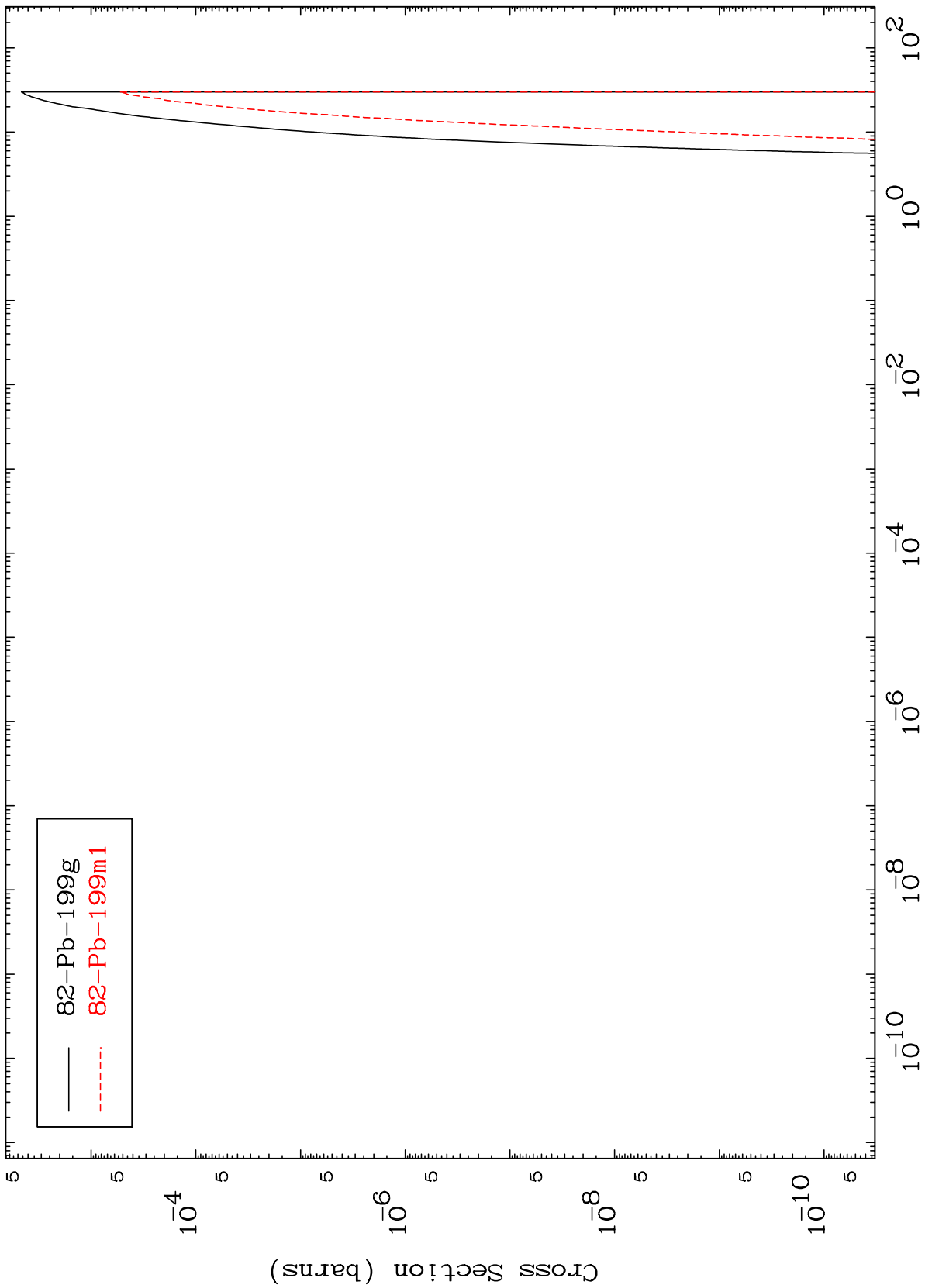
84-Po-201 g
84-Po-201 m3

MAT 8528

(n,n') p α

85-At-204

Radionuclide Production Cross Section



44

Incident Energy (MeV)

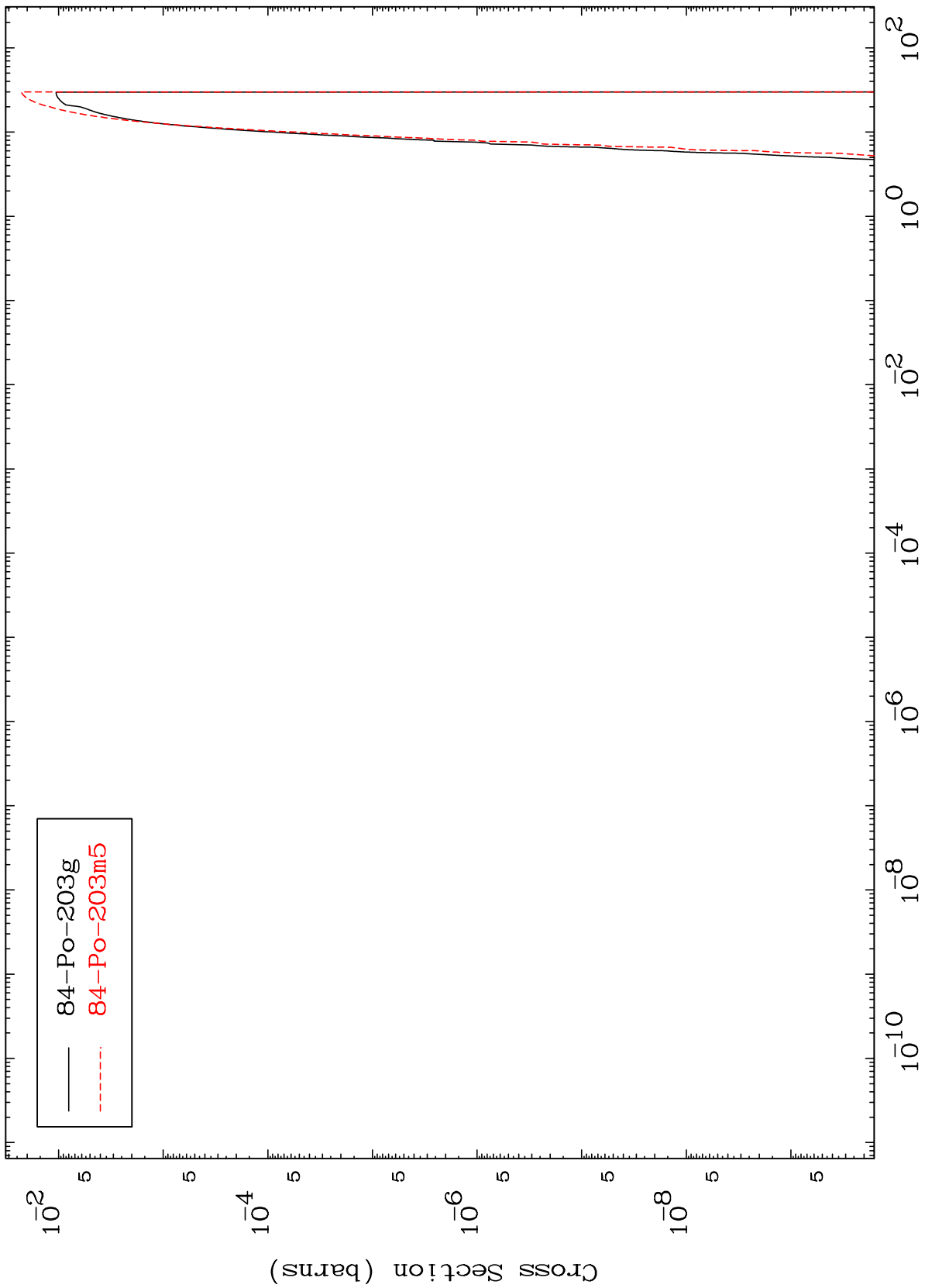
85-At-204

MAT 8528

(n,d)

85-At-204

Radionuclide Production Cross Section



45

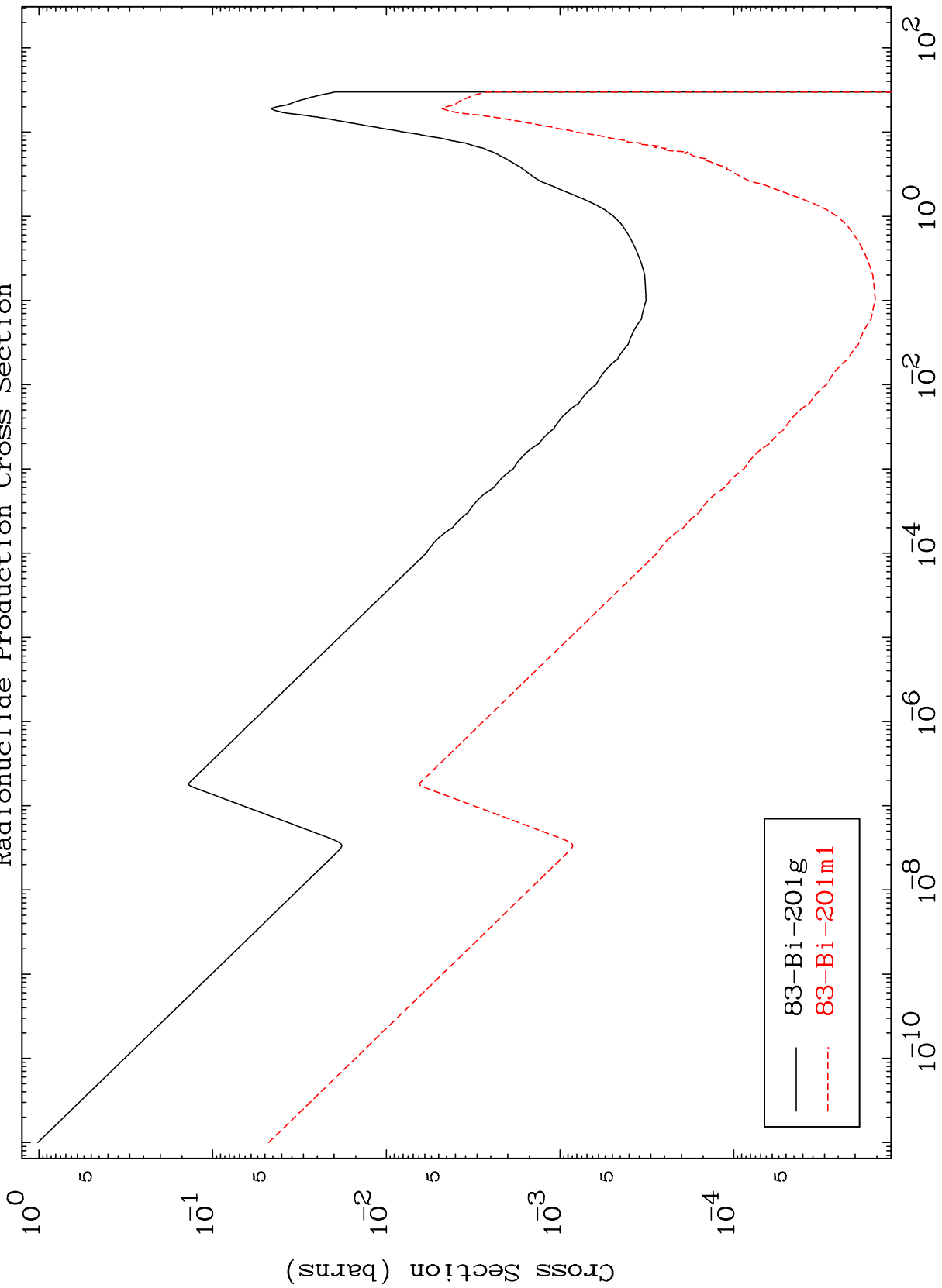
Incident Energy (MeV)

85-At-204

MAT 8528

85-At-204

Radionuclide Production Cross Section



— 83-Bi-201g
- - - 83-Bi-201m1

Incident Energy (MeV)

85-At-204

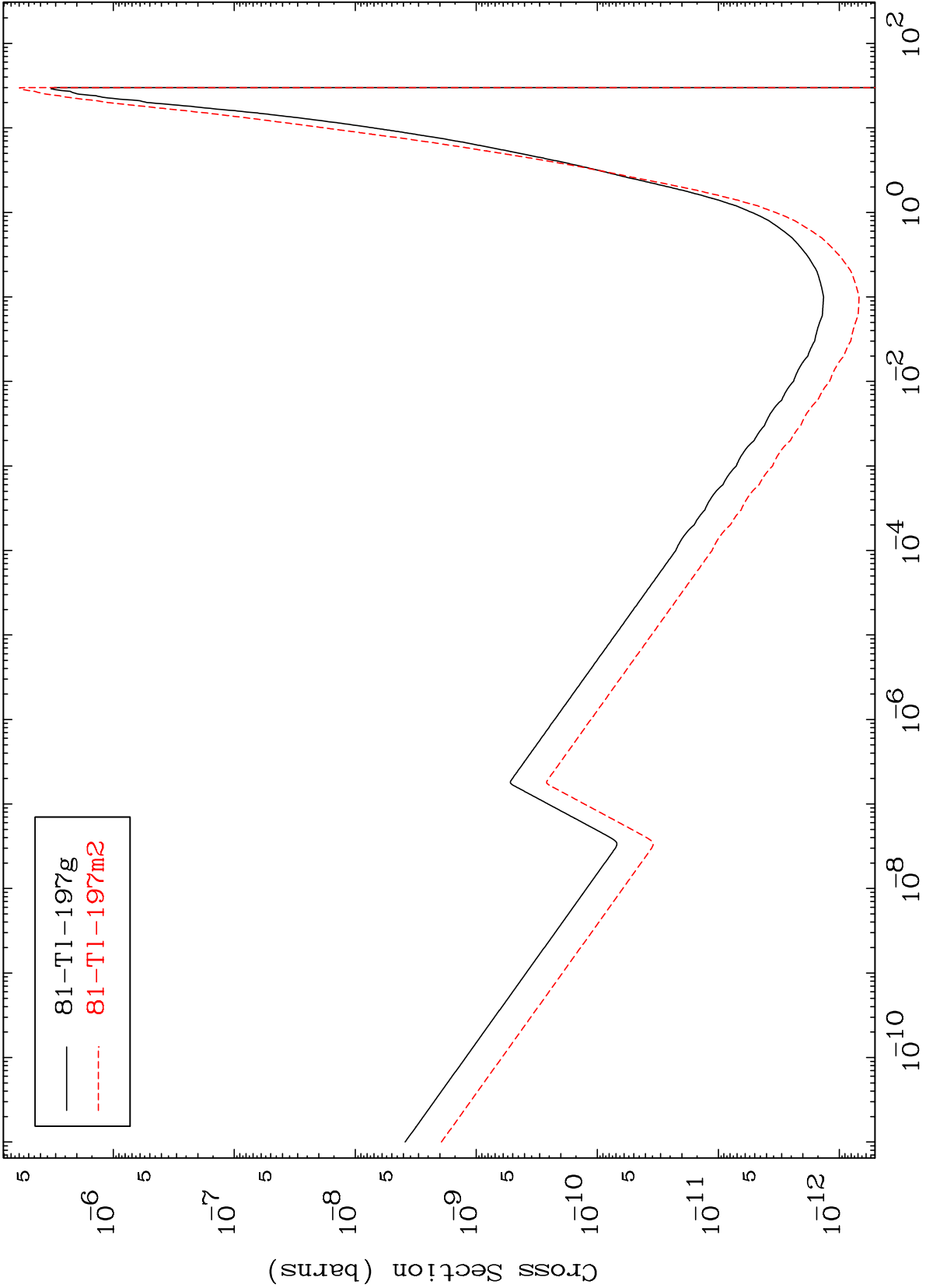
46

MAT 8528

(n,2α)

85-At-204

Radionuclide Production Cross Section

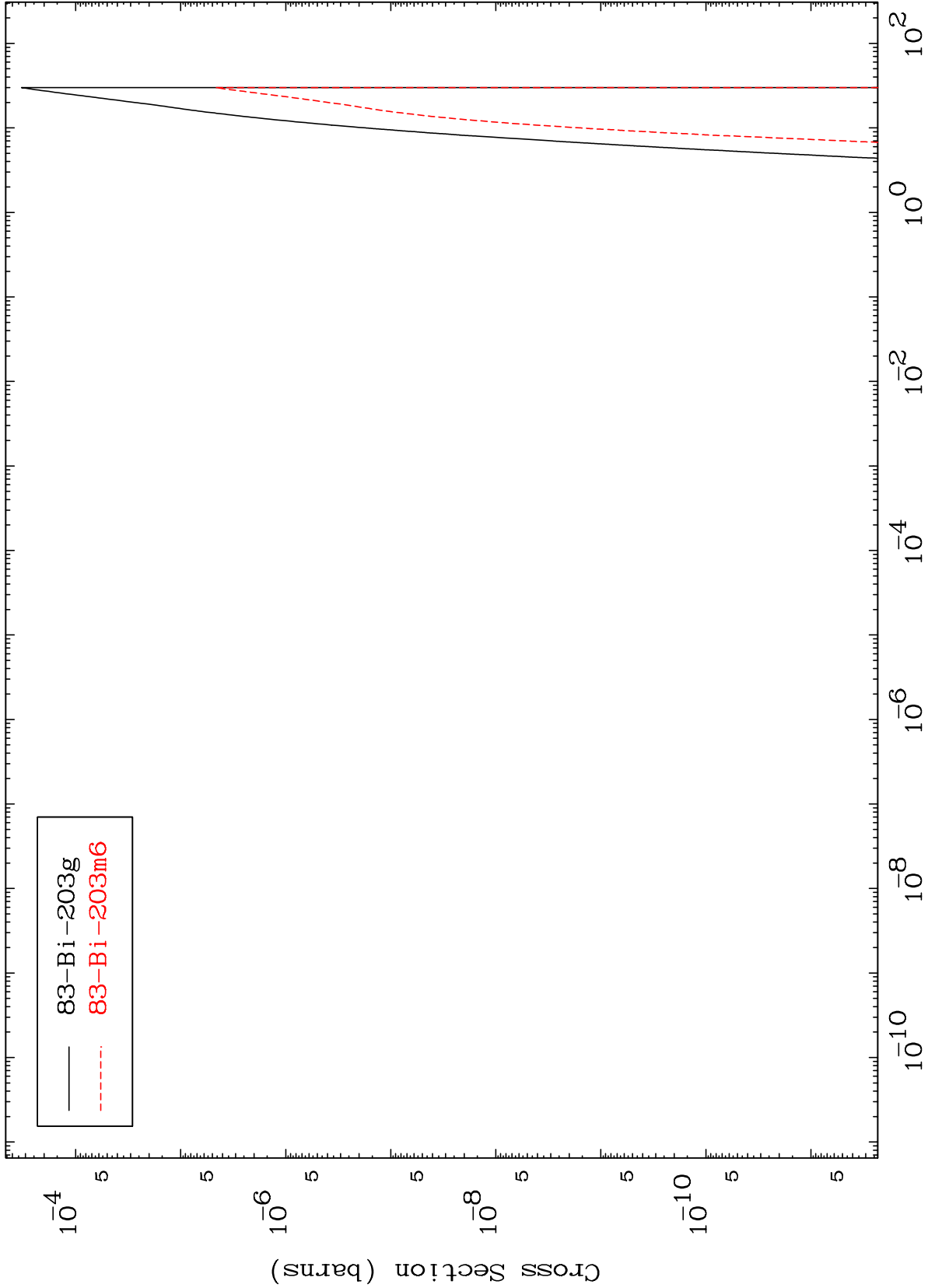


MAT 8528

(n,2p)

85-At-204

Radionuclide Production Cross Section



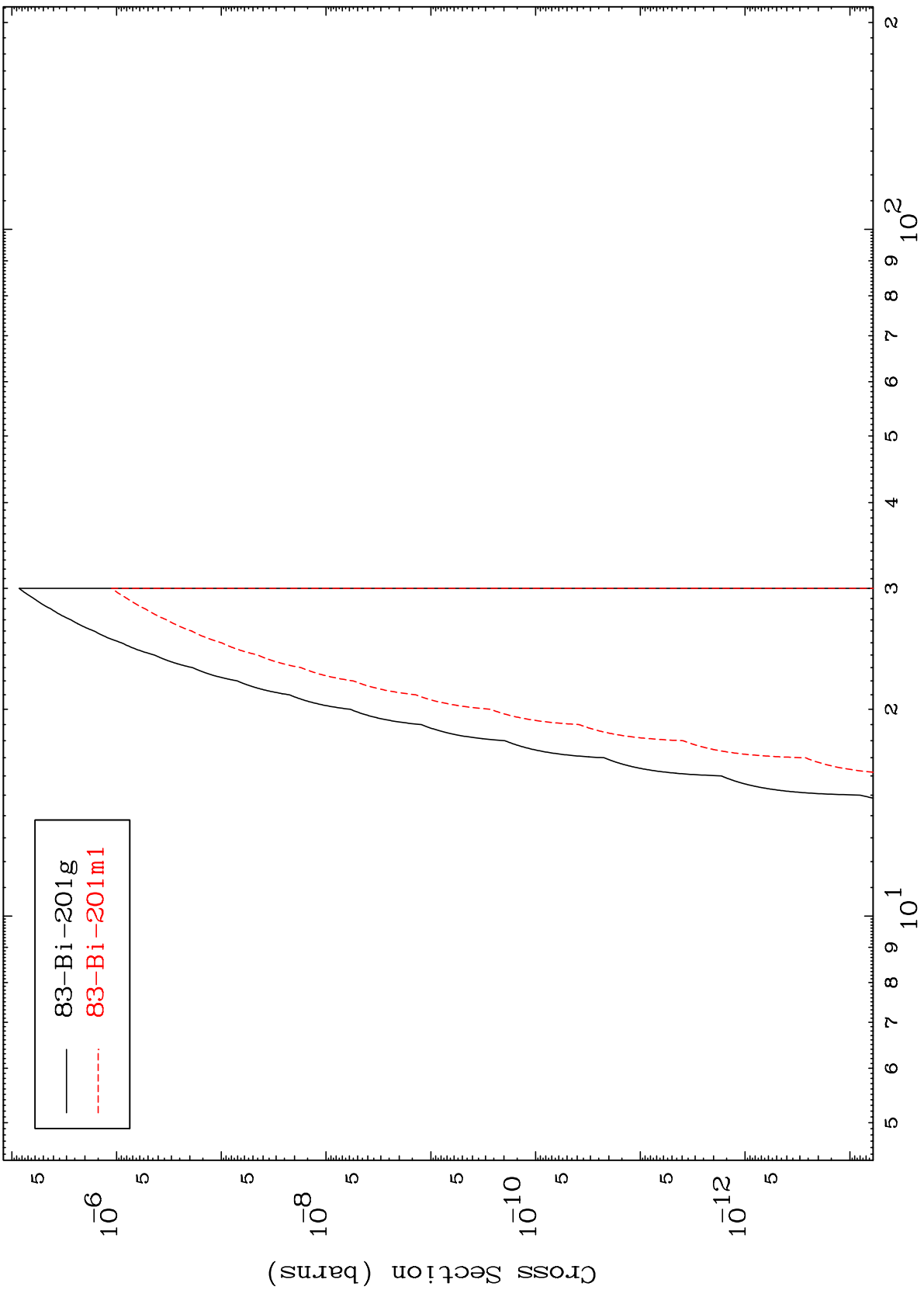
— 83-Bi-203g
- - - 83-Bi-203m6

MAT 8528

(n,p) t

85-At-204

Radionuclide Production Cross Section



— 83-Bi-201g
- - - 83-Bi-201m1

49

Incident Energy (MeV)

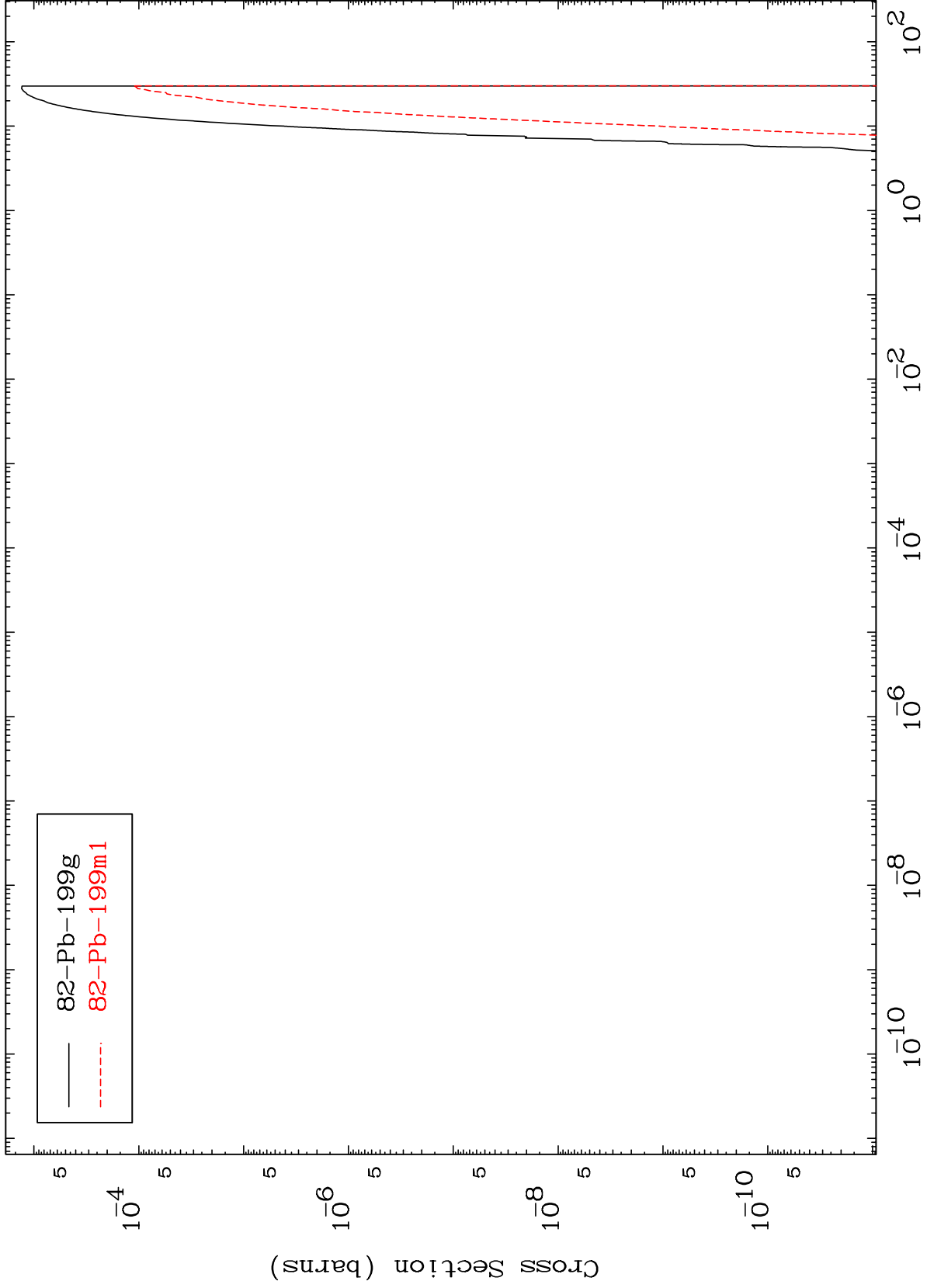
85-At-204

MAT 8528

(n,d) α

85-At-204

Radionuclide Production Cross Section



50

Incident Energy (MeV)

85-At-204