

Program EVALPLOT
(Version 2018-1)

by

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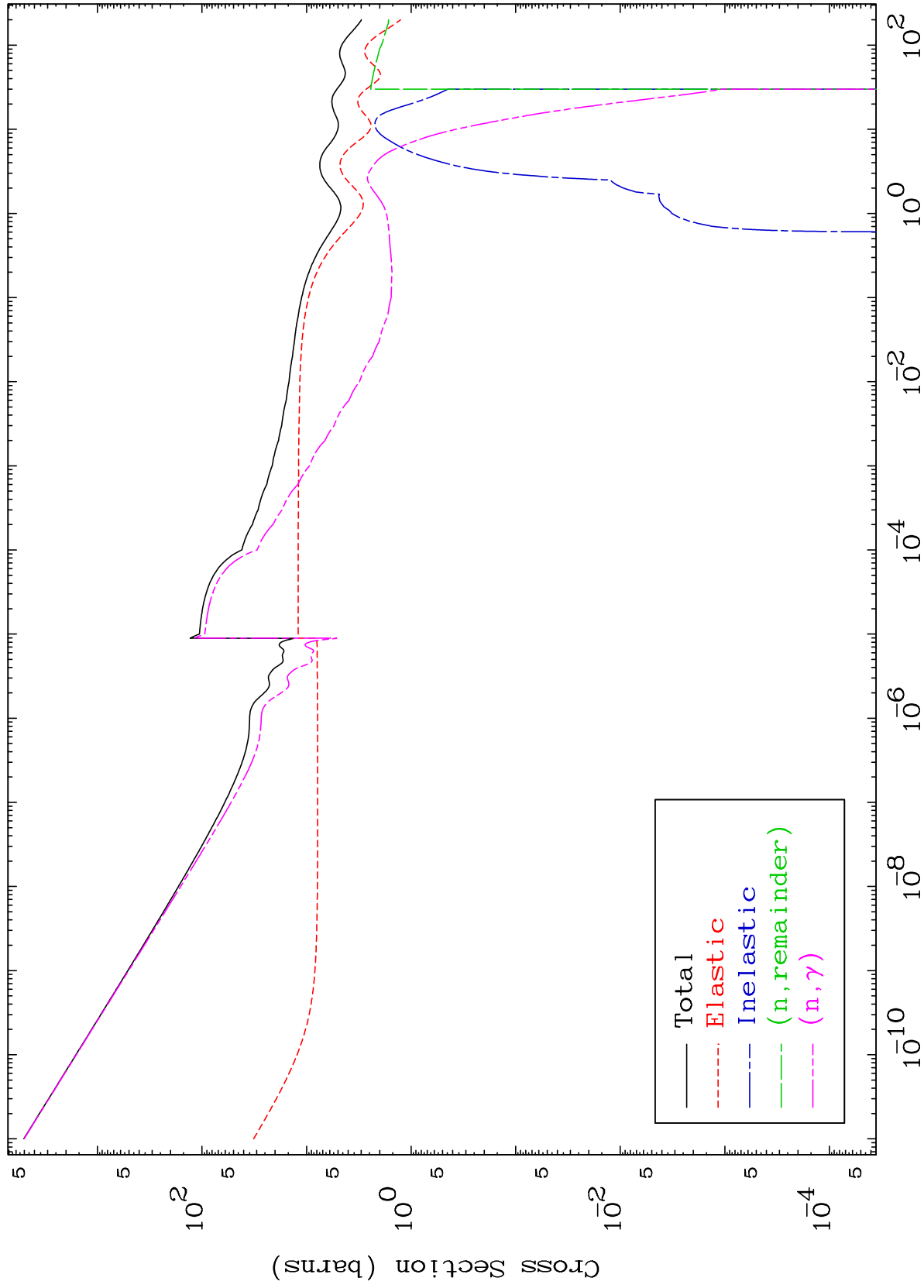
E.Mail: redcullen1@comcast.net
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8528

Major
293 Kelvin Cross Sections

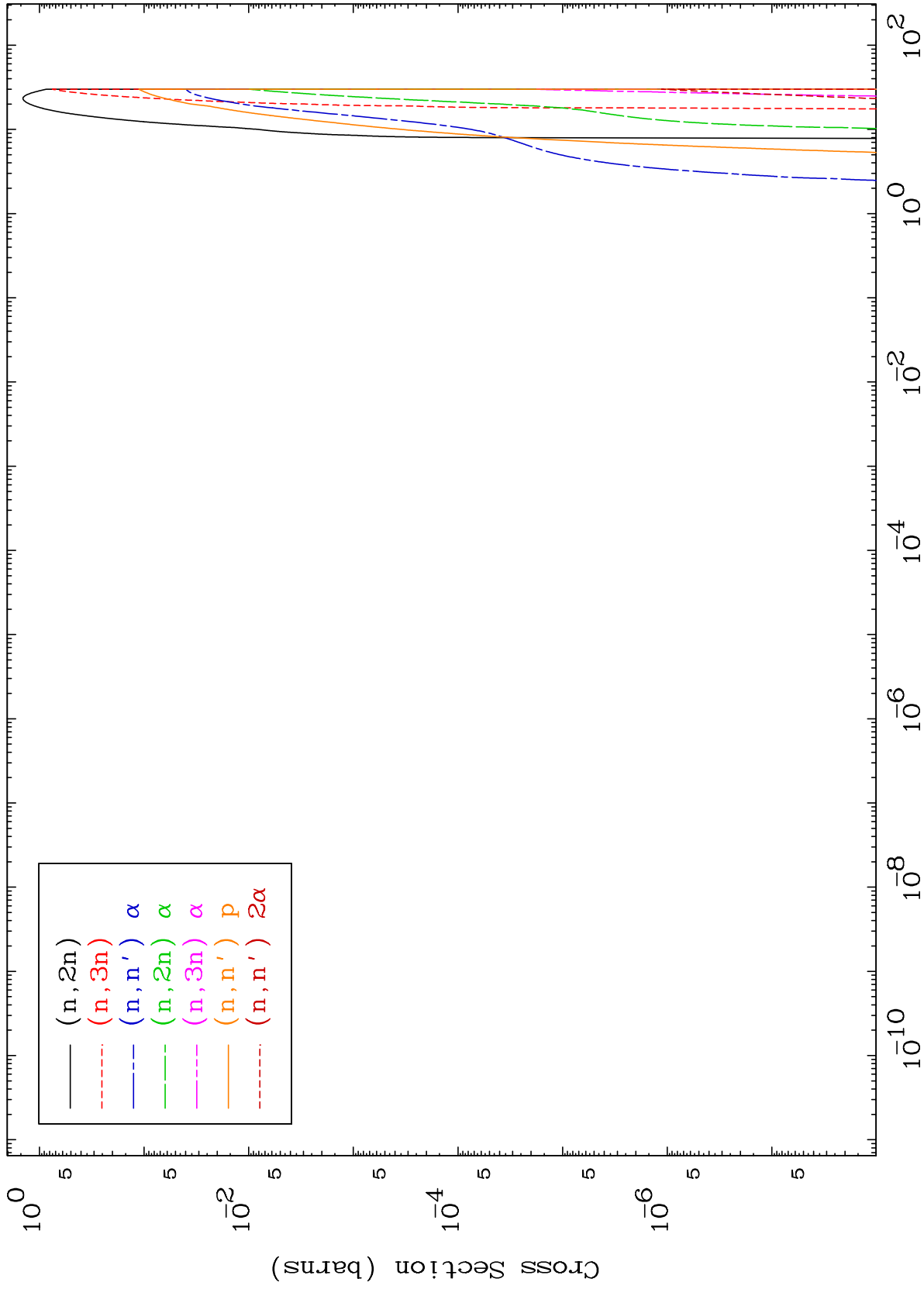
85-At-204



MAT 8528

Neutron Production
293 Kelvin Cross Sections

85-At-204



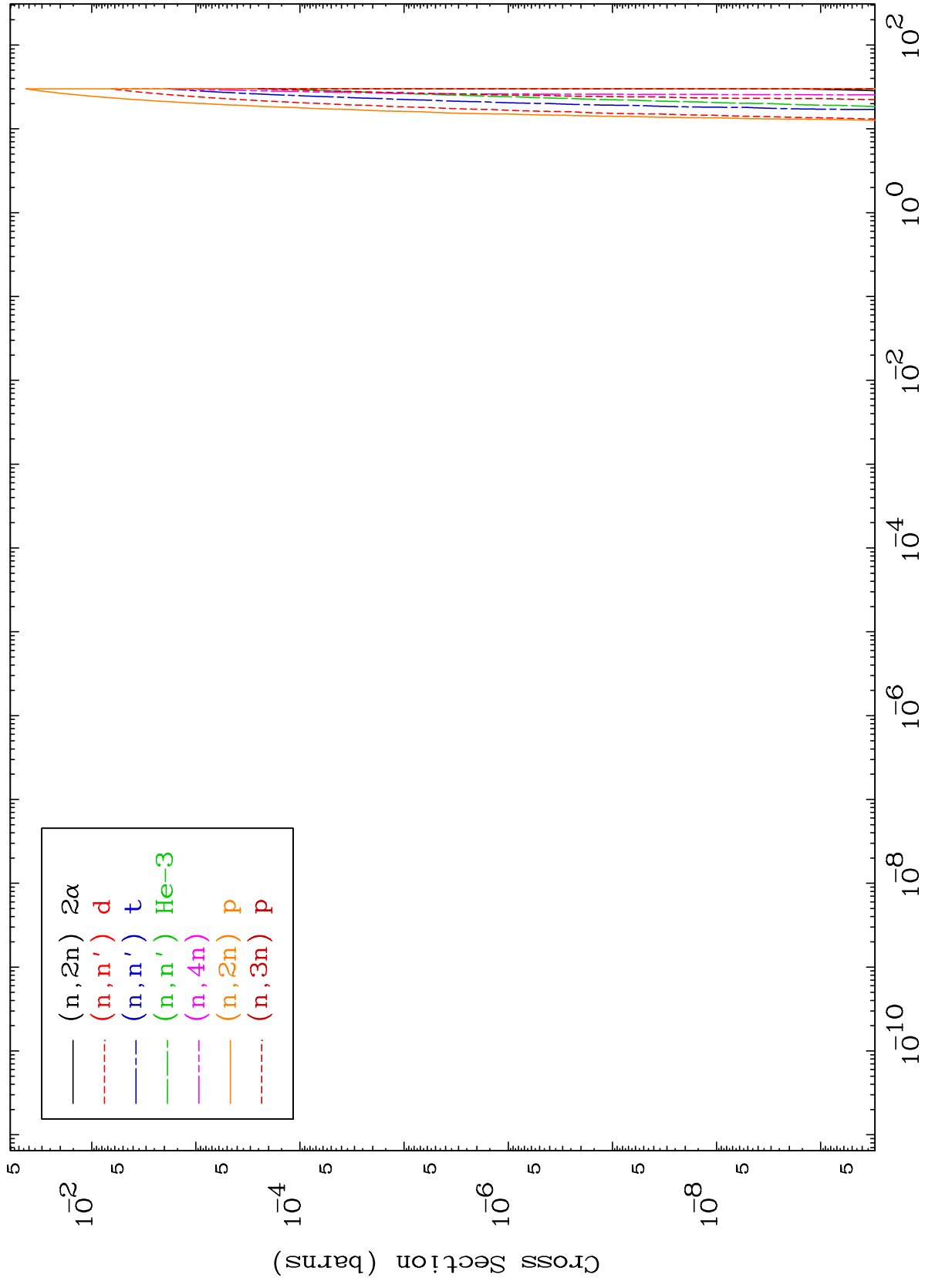
2

85-At-204

MAT 8528

Neutron Production
293 Kelvin Cross Sections

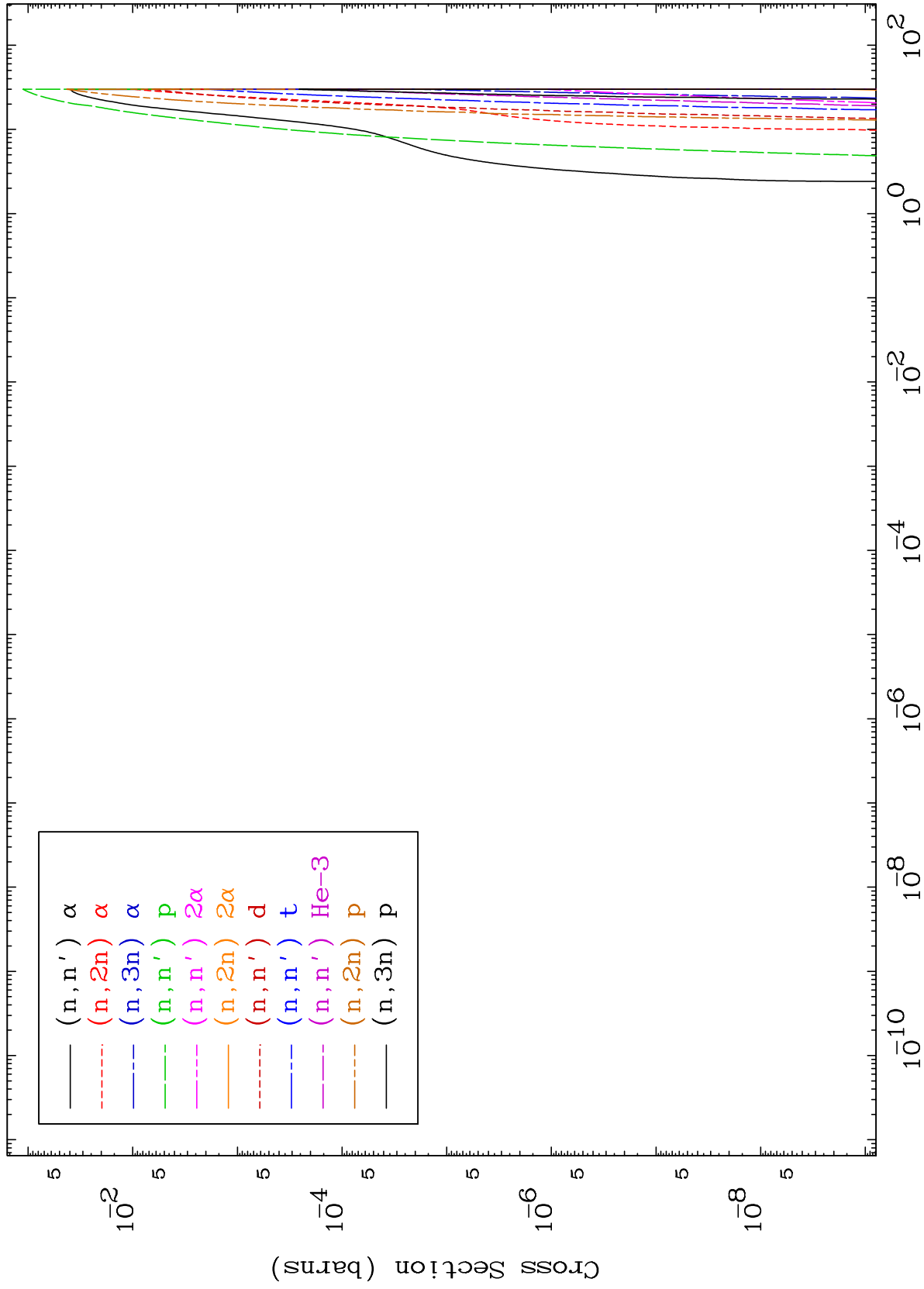
85-At-204



MAT 8528

Charged Particle
293 Kelvin Cross Sections

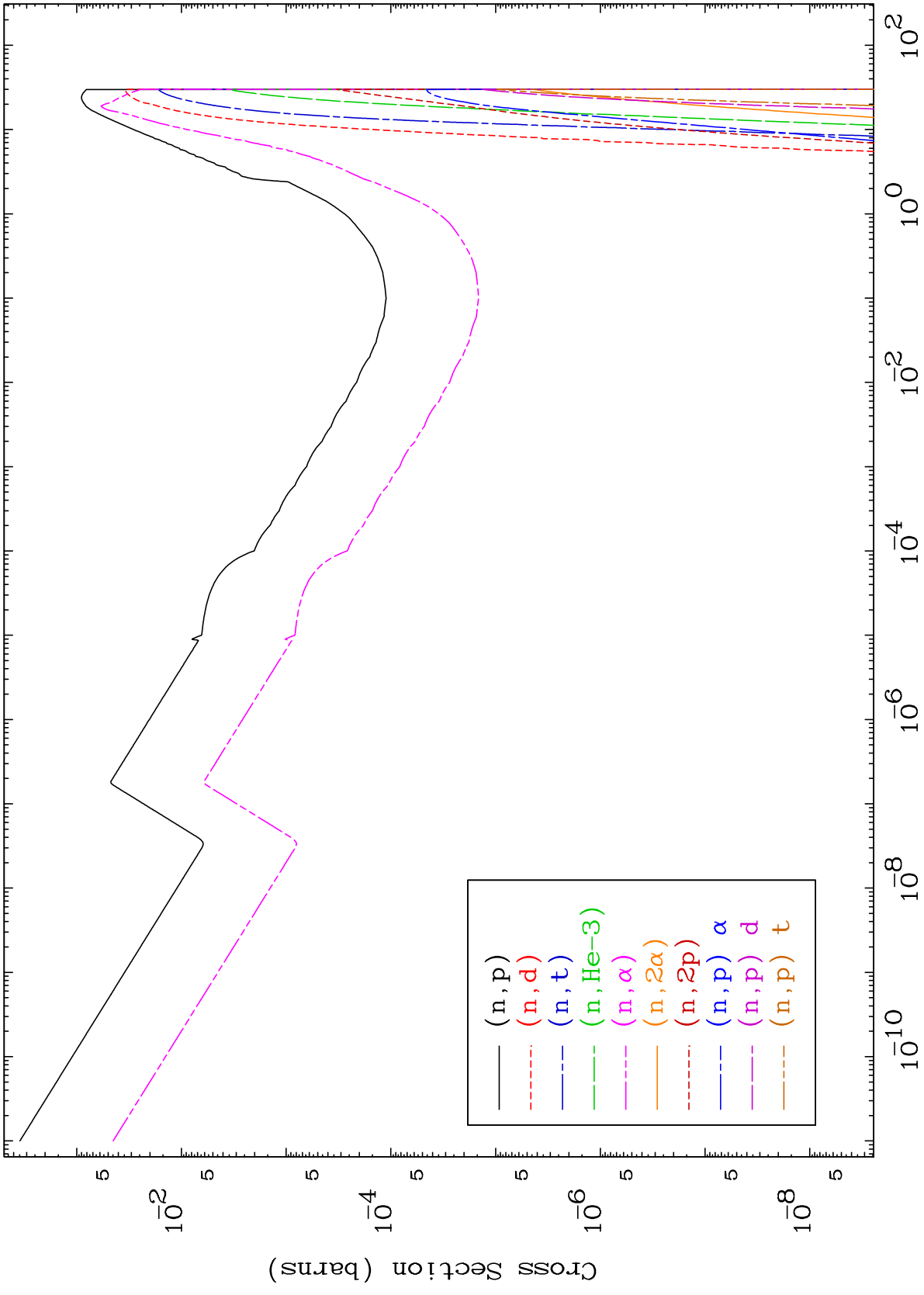
85-At-204



MAT 8528

293 Kelvin Cross Sections

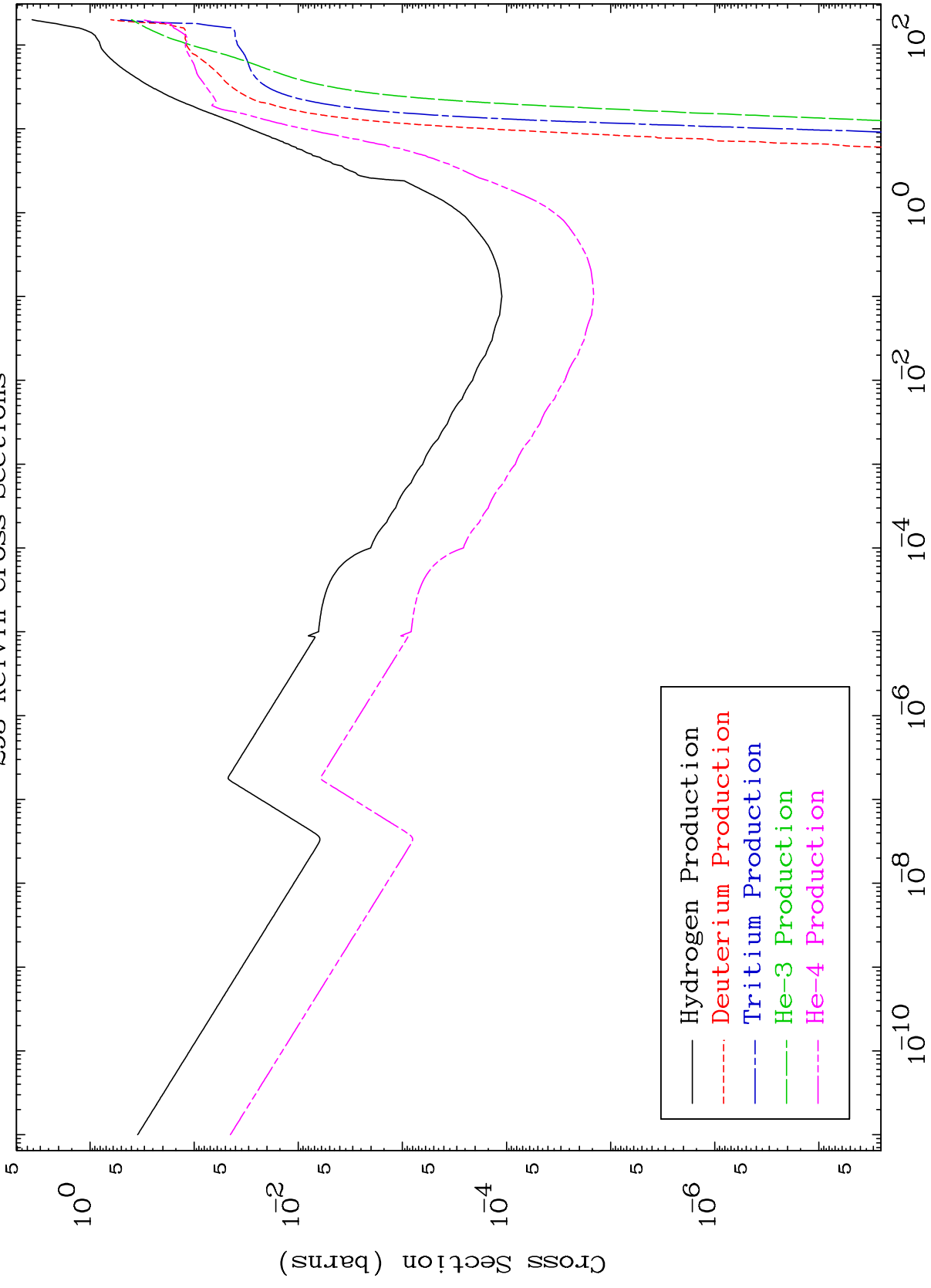
85-At-204



MAT 8528

Particle Production
293 Kelvin Cross Sections

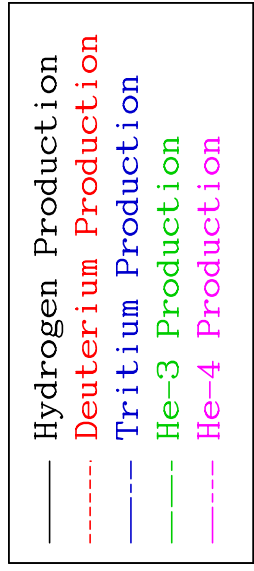
85-At-204



6

Incident Energy (MeV)

85-At-204

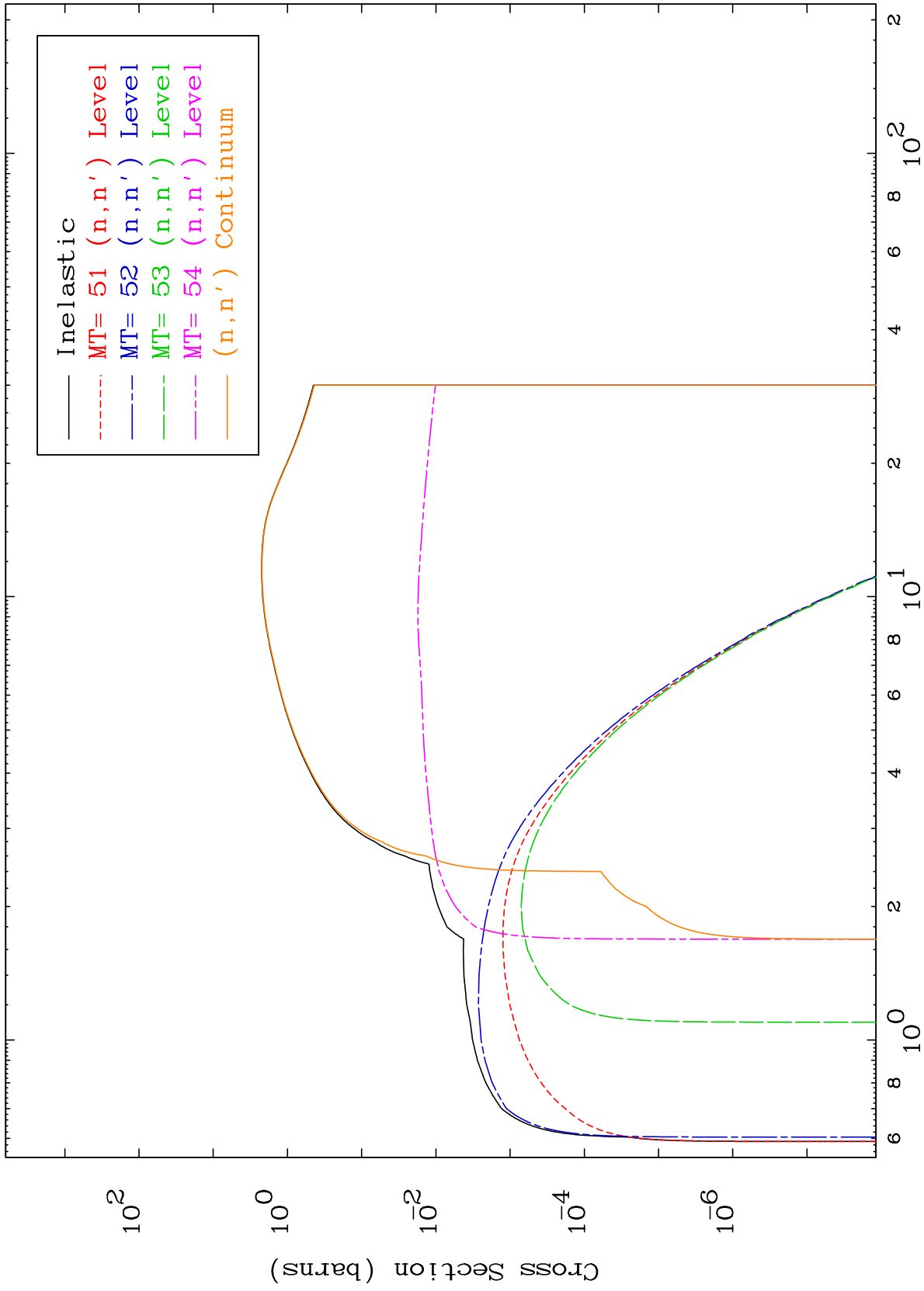


MAT 8528

(n,n') Level

85-At-204

293 Kelvin Cross Sections



7

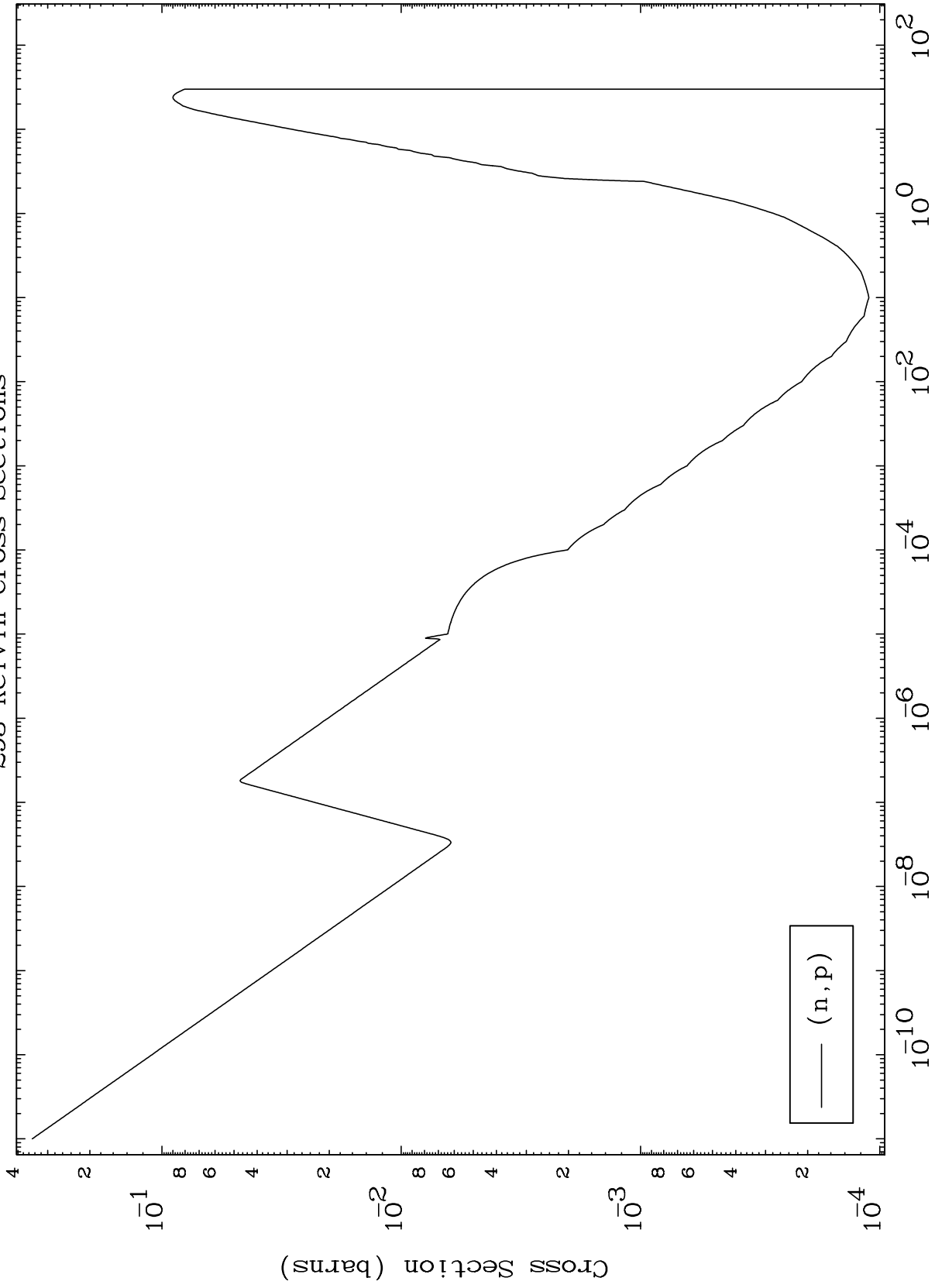
Incident Energy (MeV)

85-At-204

MAT 8528

(n,p) Levels
293 Kelvin Cross Sections

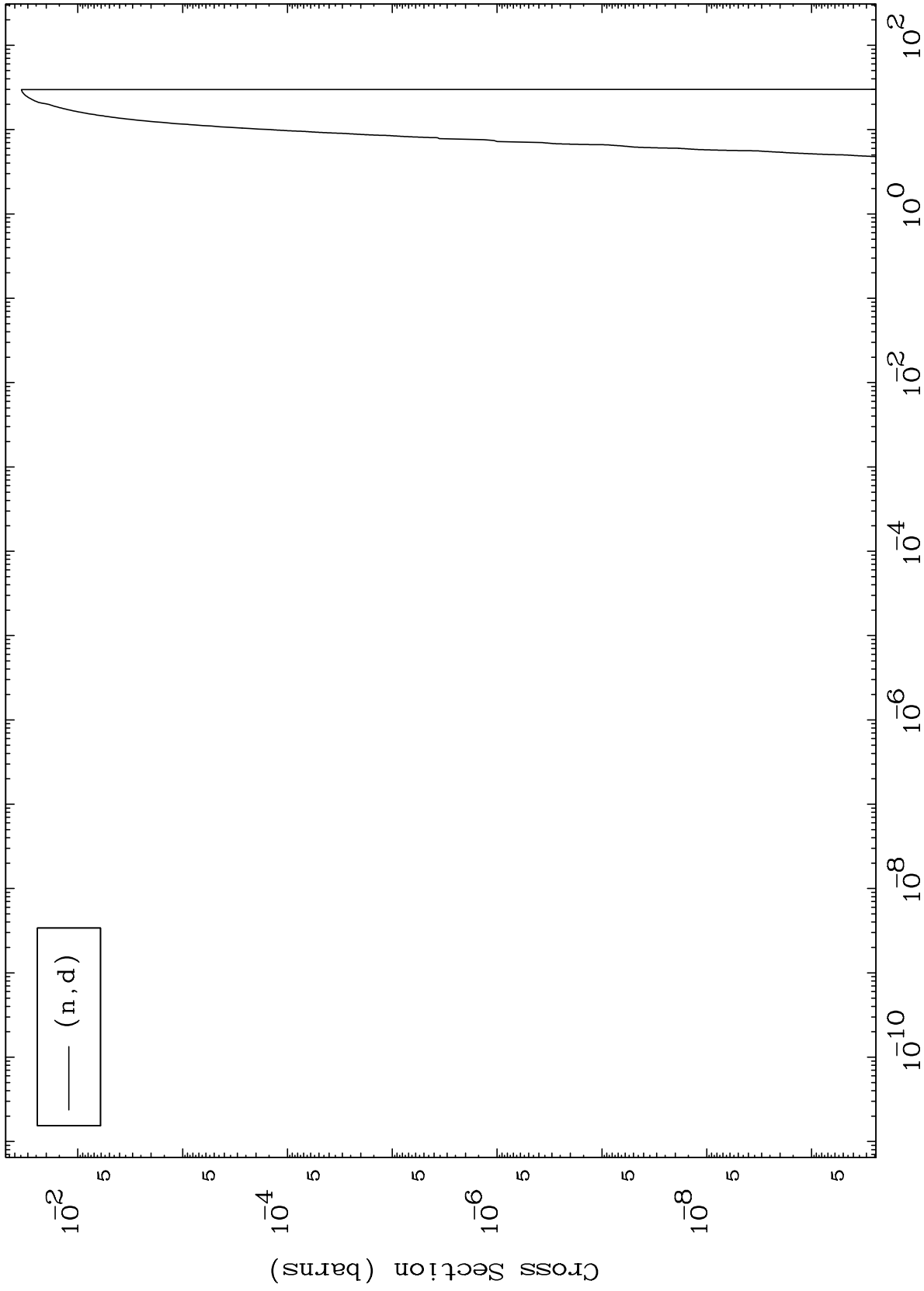
85-At-204



MAT 8528

(n,d) Levels
293 Kelvin Cross Sections

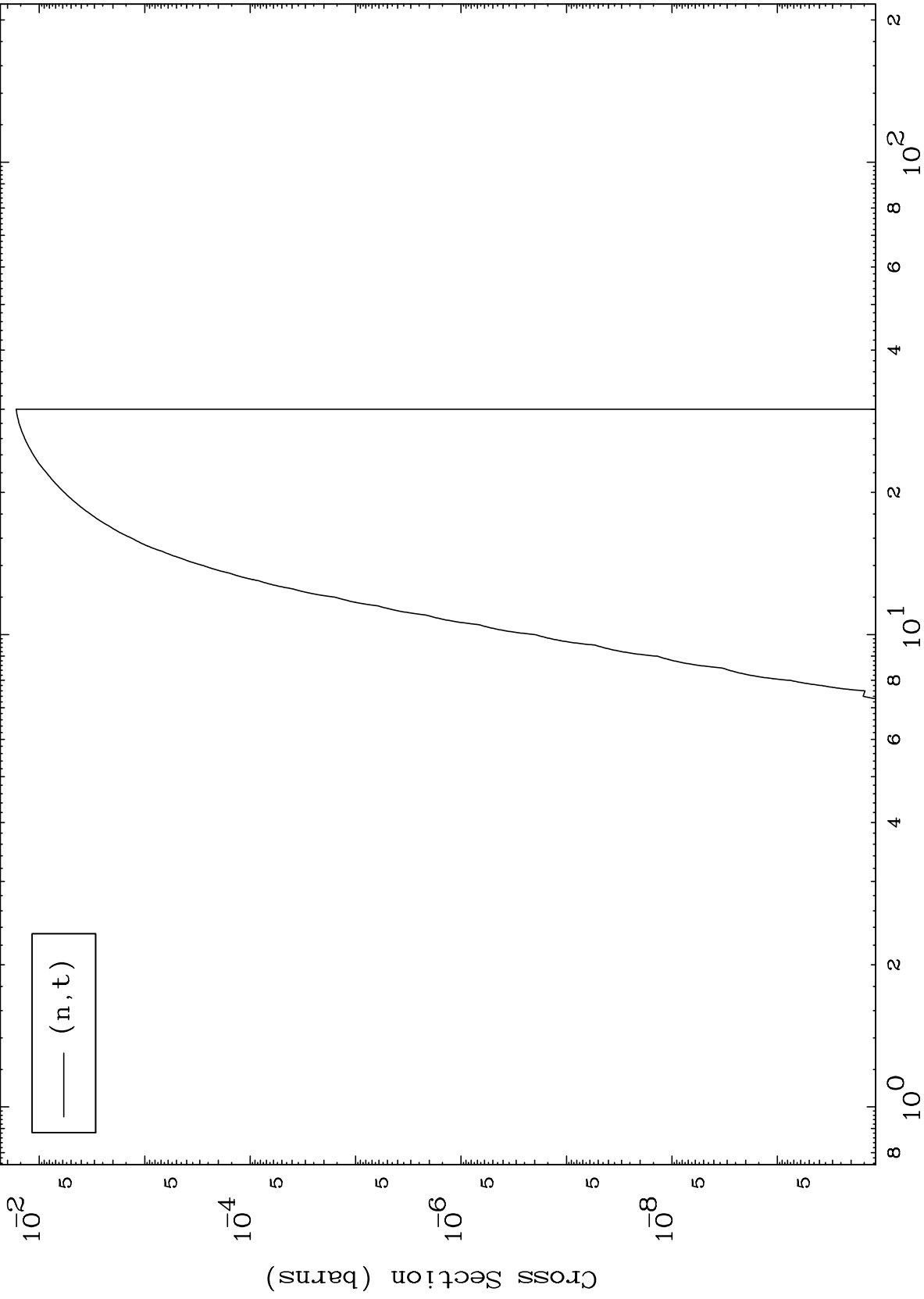
85-At-204



MAT 8528

(n,t) Levels
293 Kelvin Cross Sections

85-At-204



10

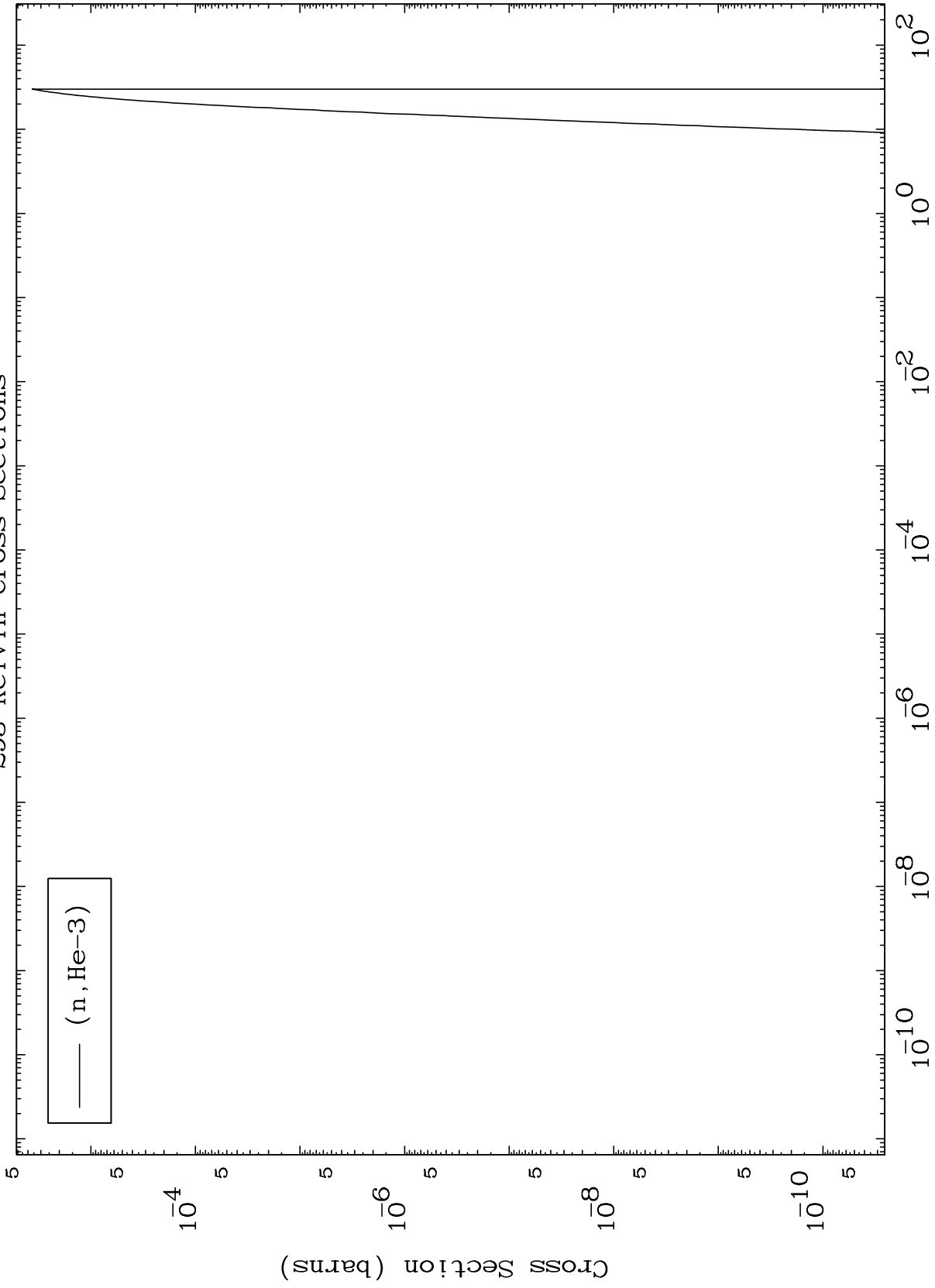
Incident Energy (MeV)

85-At-204

MAT 8528

(n,He3) Levels
293 Kelvin Cross Sections

85-At-204



11

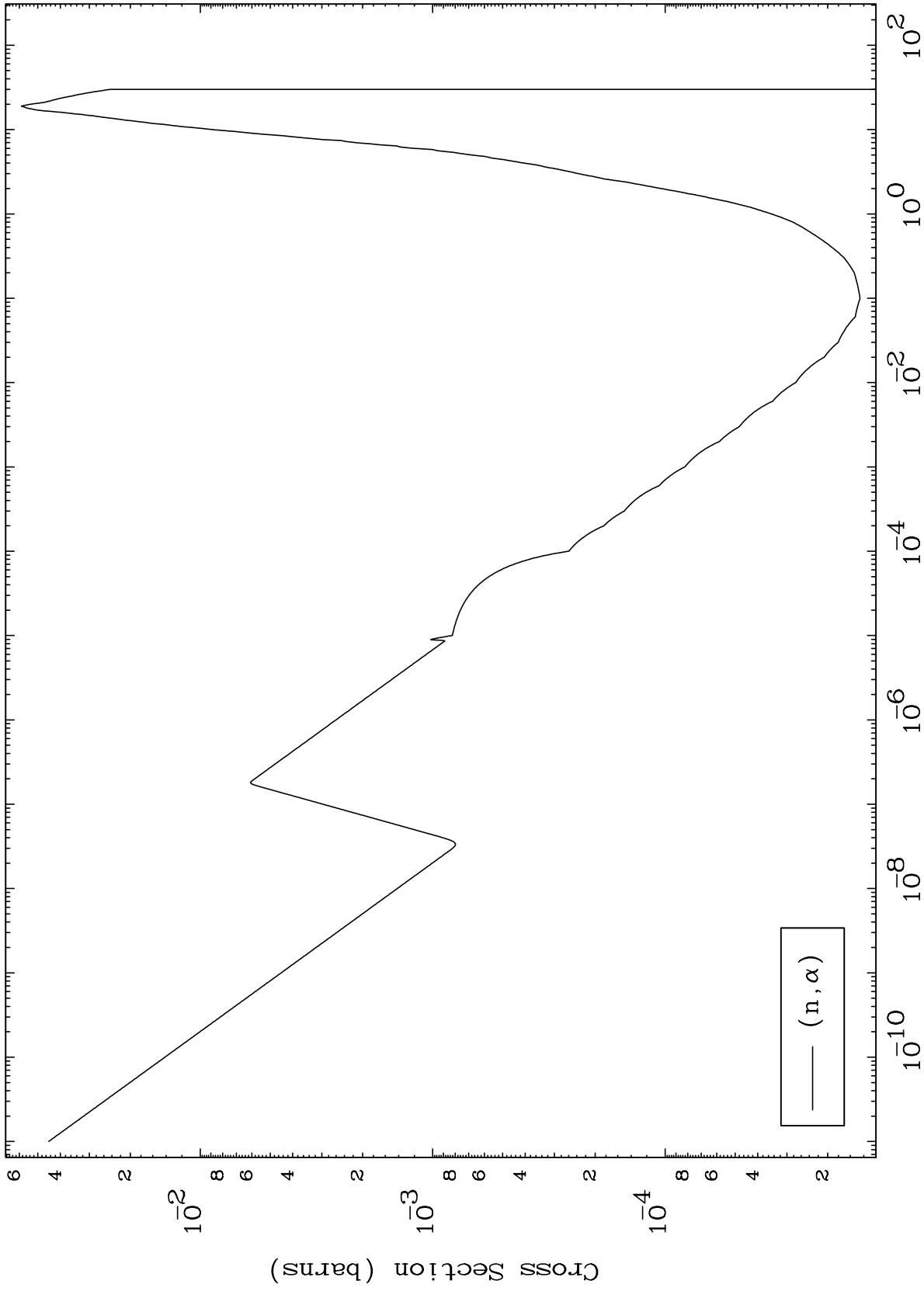
Incident Energy (MeV)

85-At-204

MAT 8528

(n,α) Levels
293 Kelvin Cross Sections

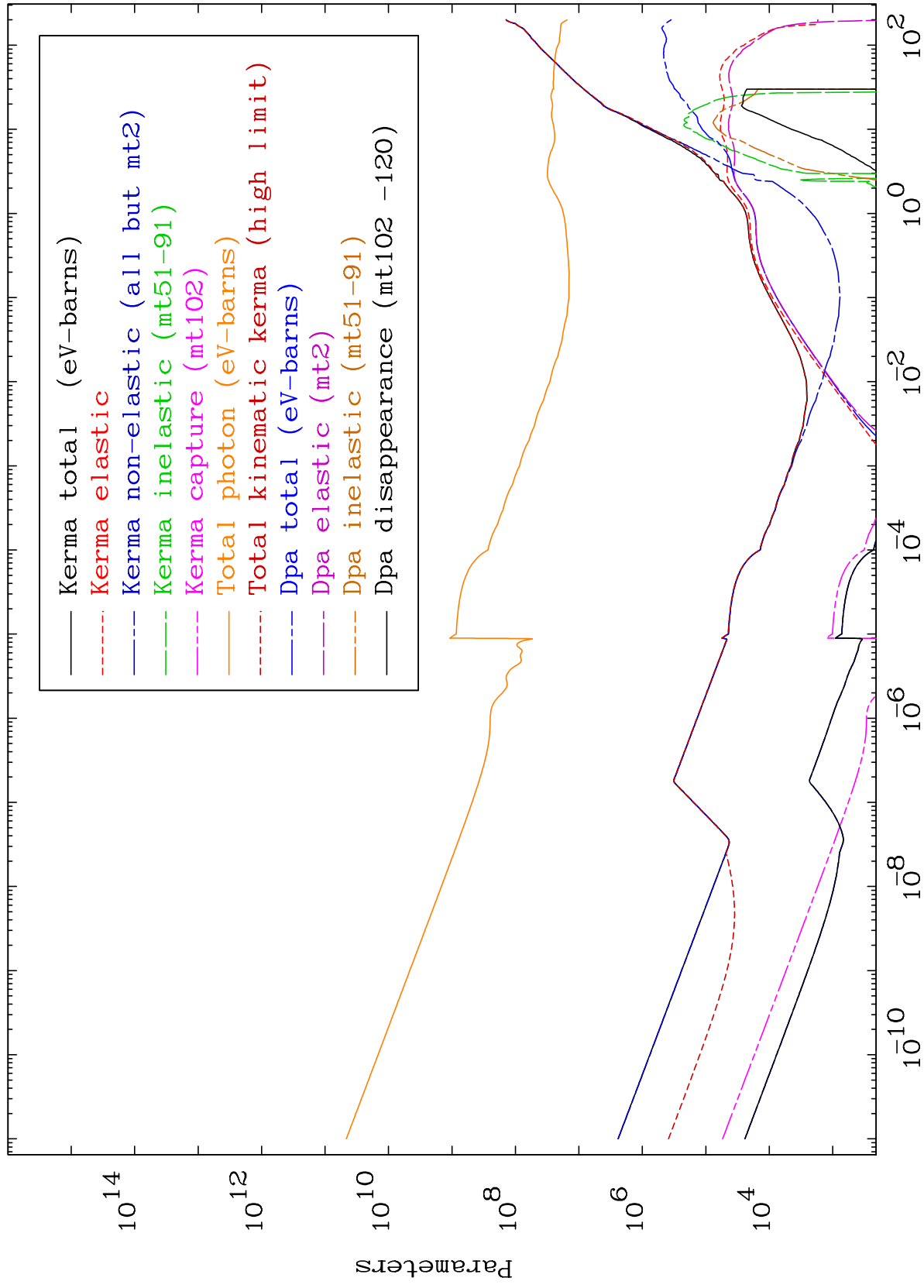
85-At-204



12

Incident Energy (MeV)

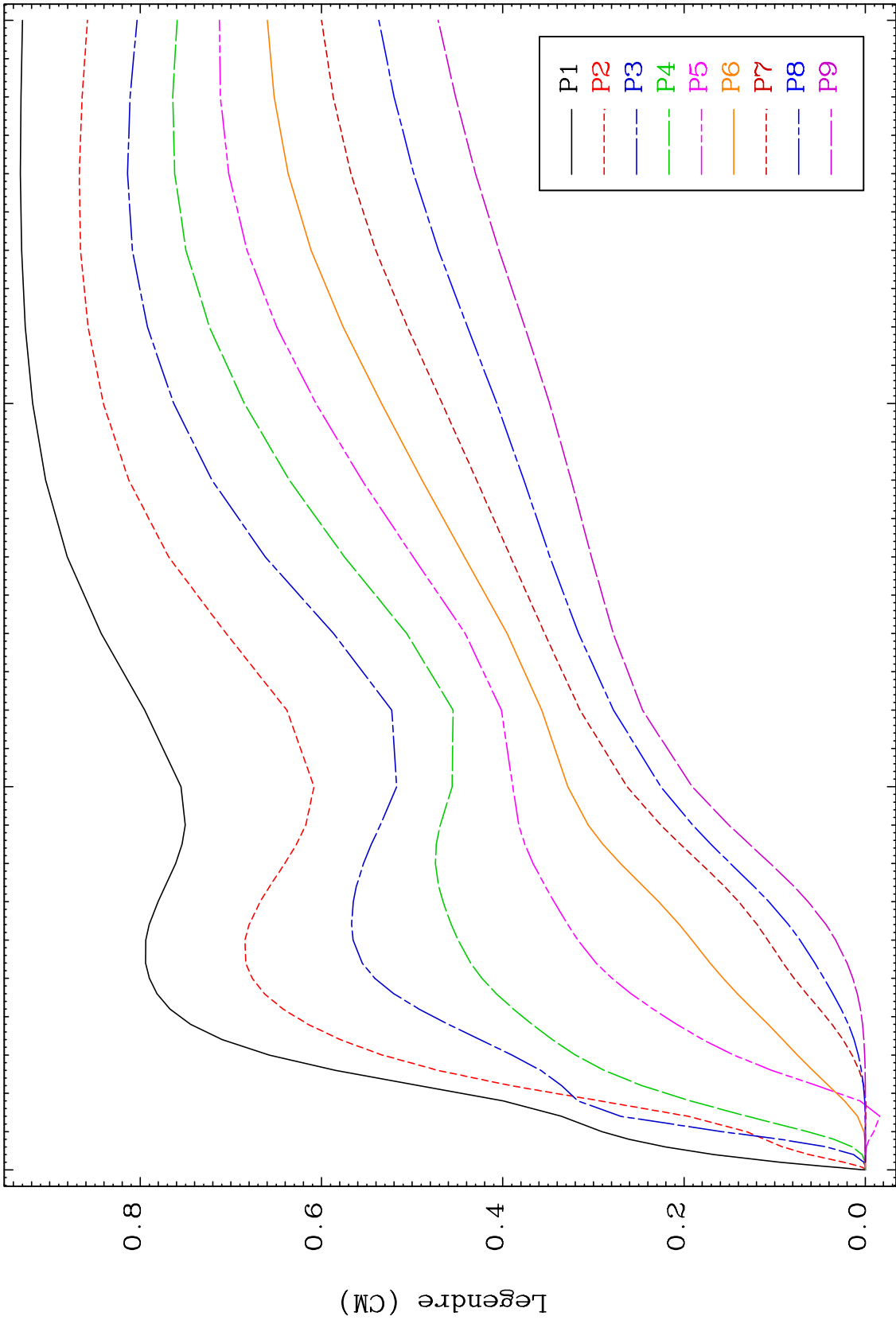
85-At-204



MAT 8528

Elastic Legendre Coefficients

85-At-204



14

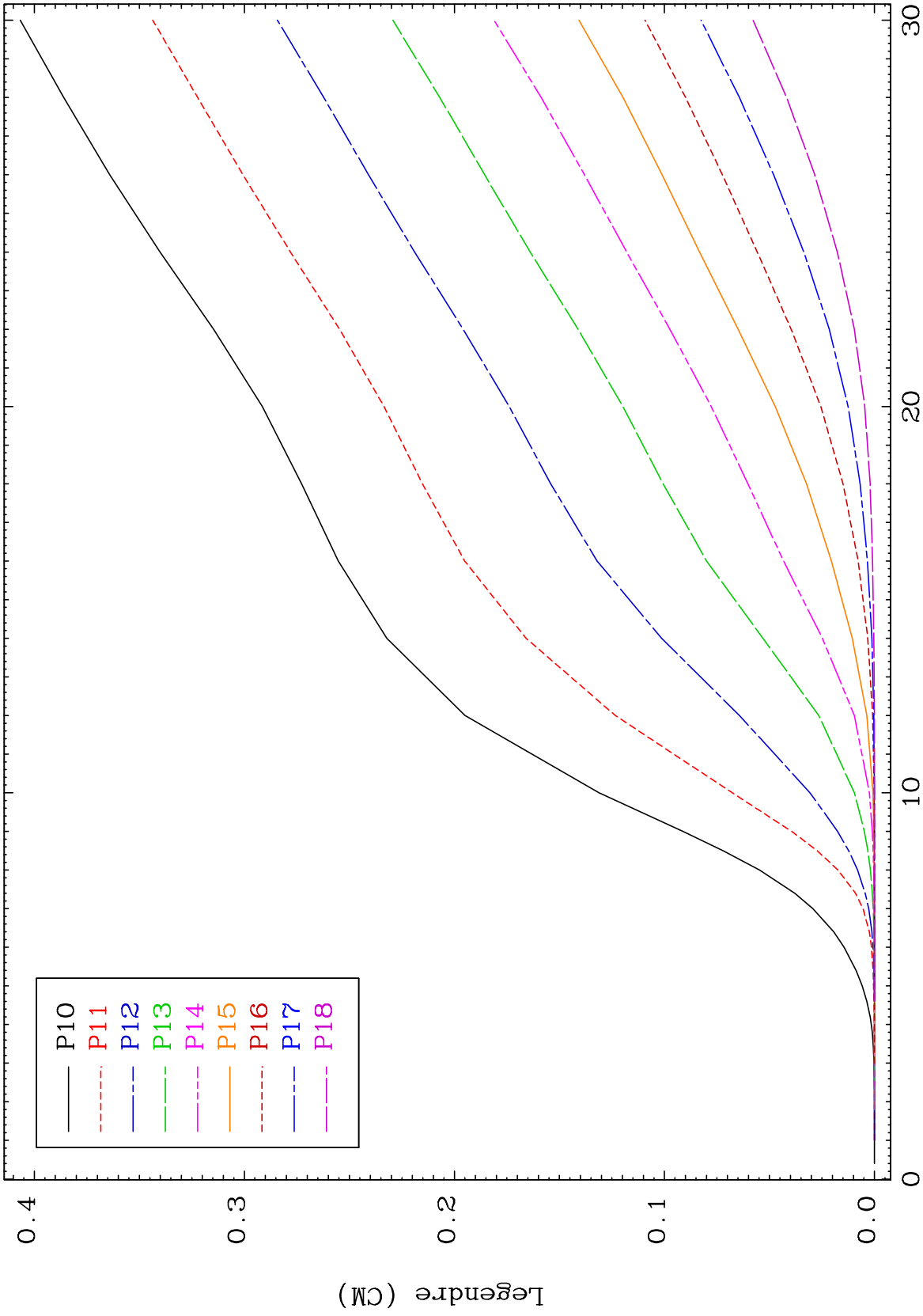
Incident Energy (MeV)

85-At-204

MAT 8528

Elastic Legendre Coefficients

85-At-204



15

10

20

30

0.4

0.3

0.2

0.1

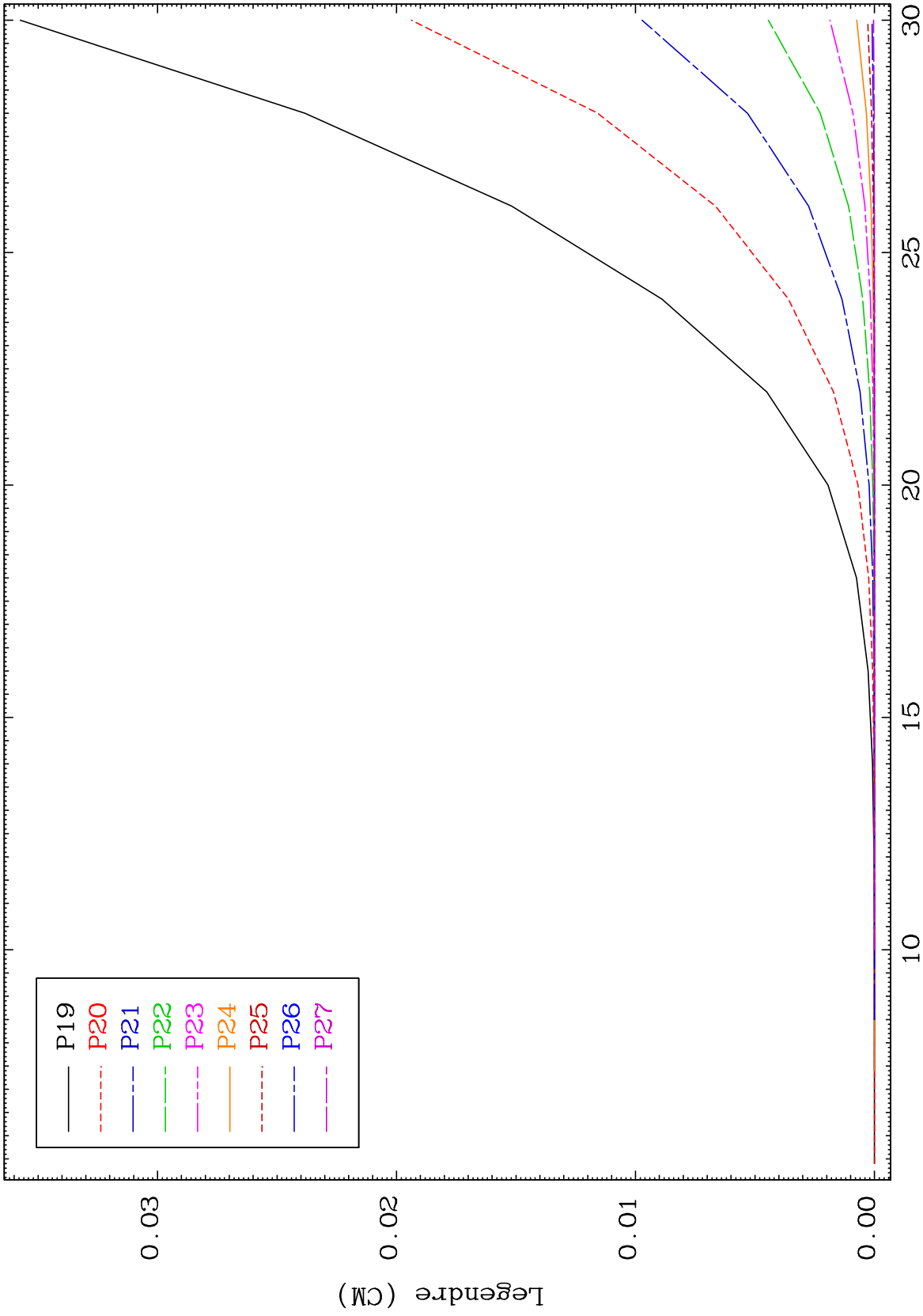
0.0

- P10
- P11
- P12
- P13
- P14
- P15
- P16
- P17
- P18

MAT 8528

Elastic Legendre Coefficients

85-At-204



16

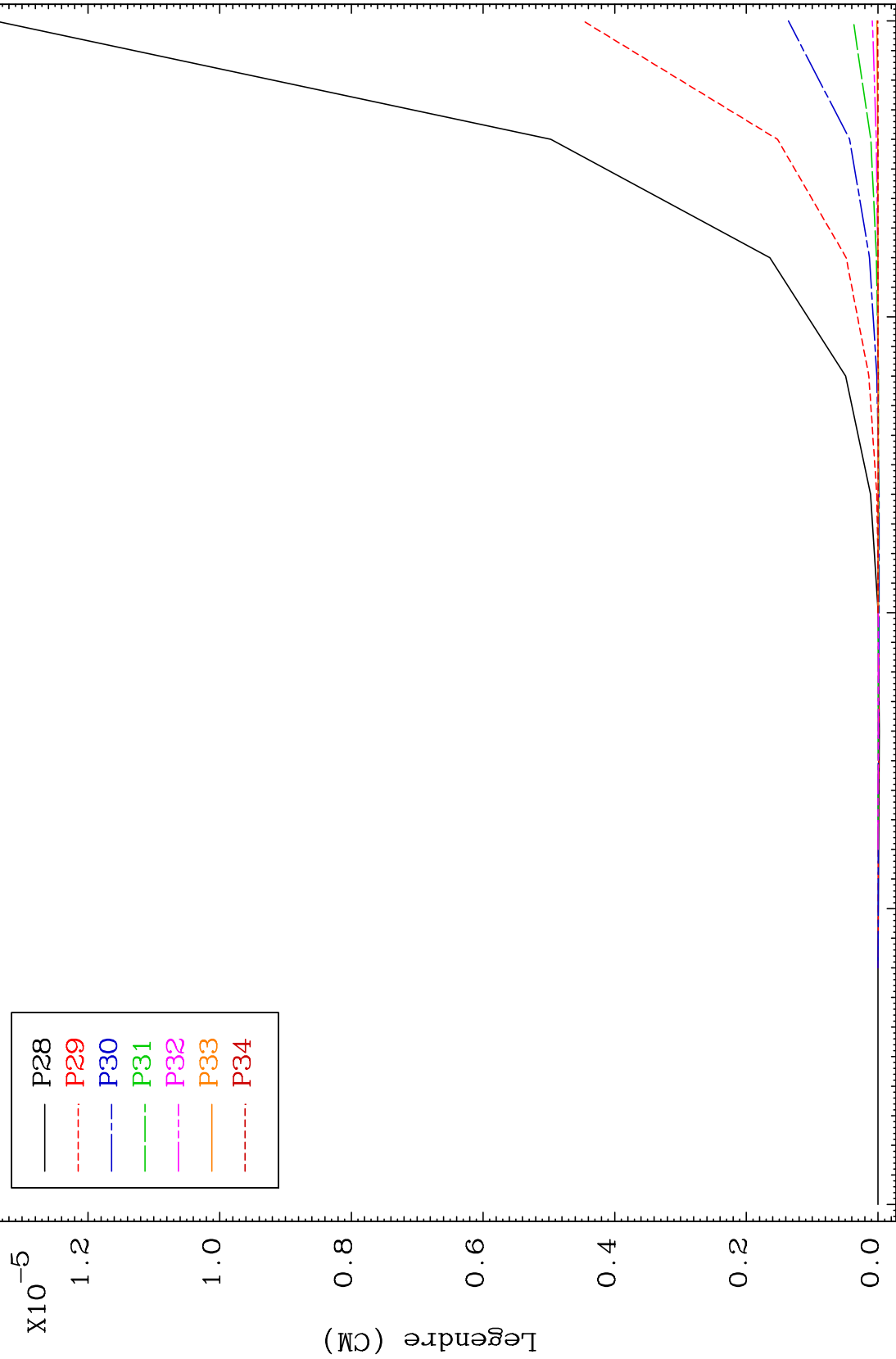
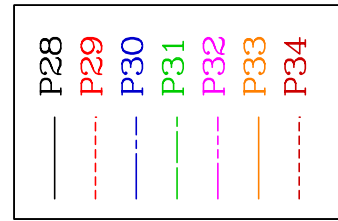
Incident Energy (MeV)

85-At-204

MAT 8528

Elastic Legendre Coefficients

85-At-204



17

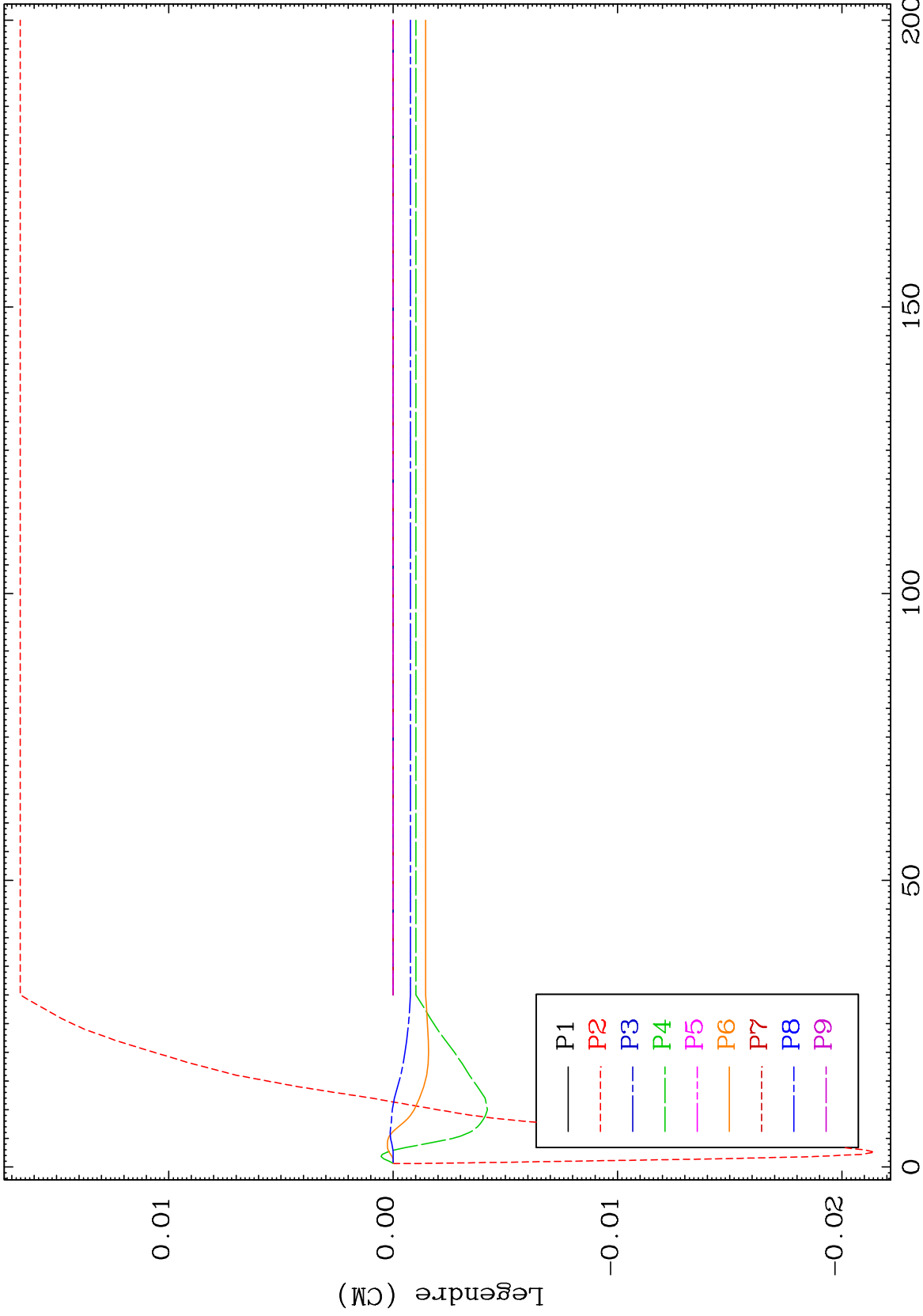
Incident Energy (MeV)

85-At-204

MAT 8528

MT= 51 (n,n') Level
Legendre Coefficients

85-At-204



18

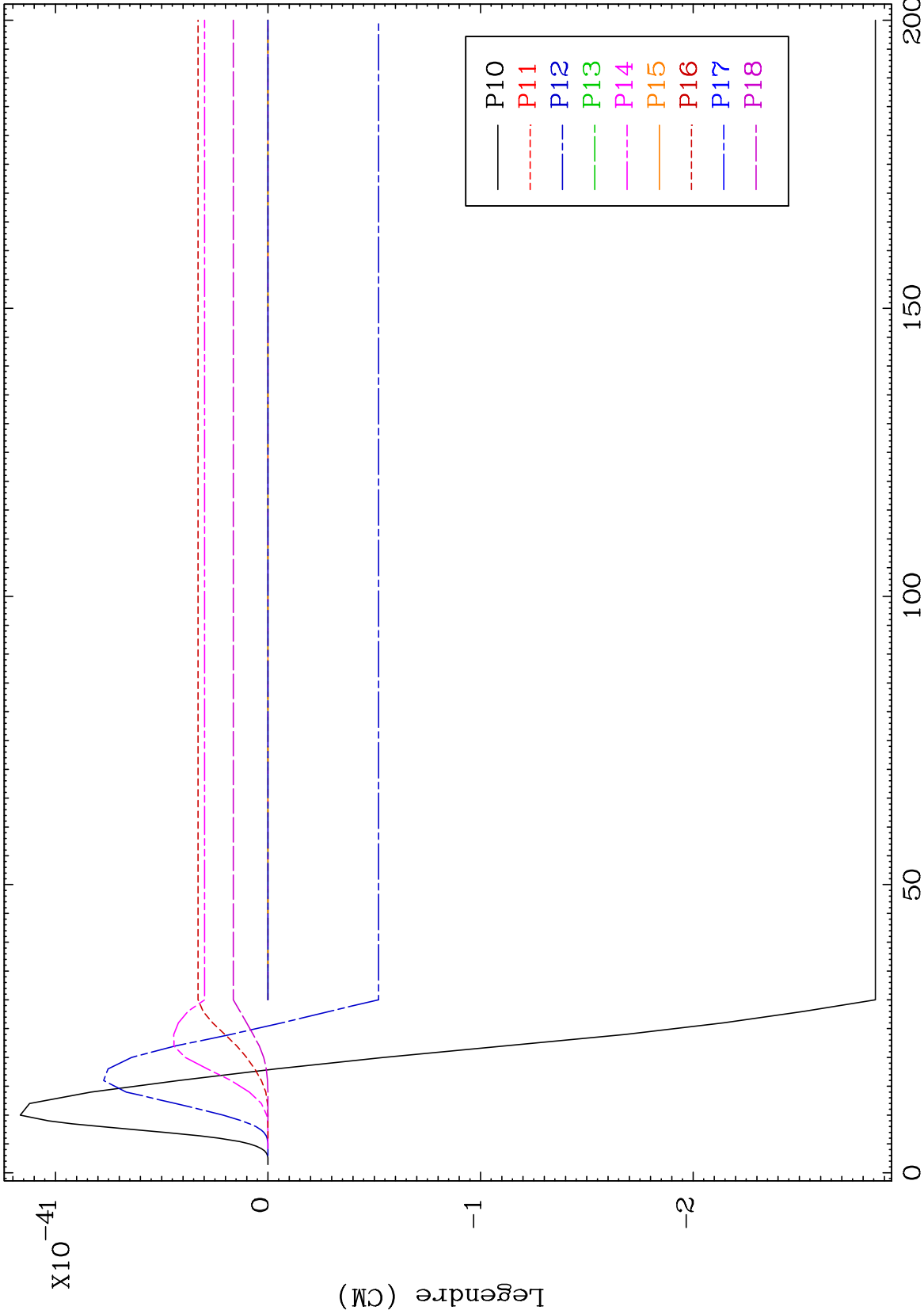
Incident Energy (MeV)

85-At-204

MAT 8528

MT= 51 (n,n') Level
Legendre Coefficients

85-At-204



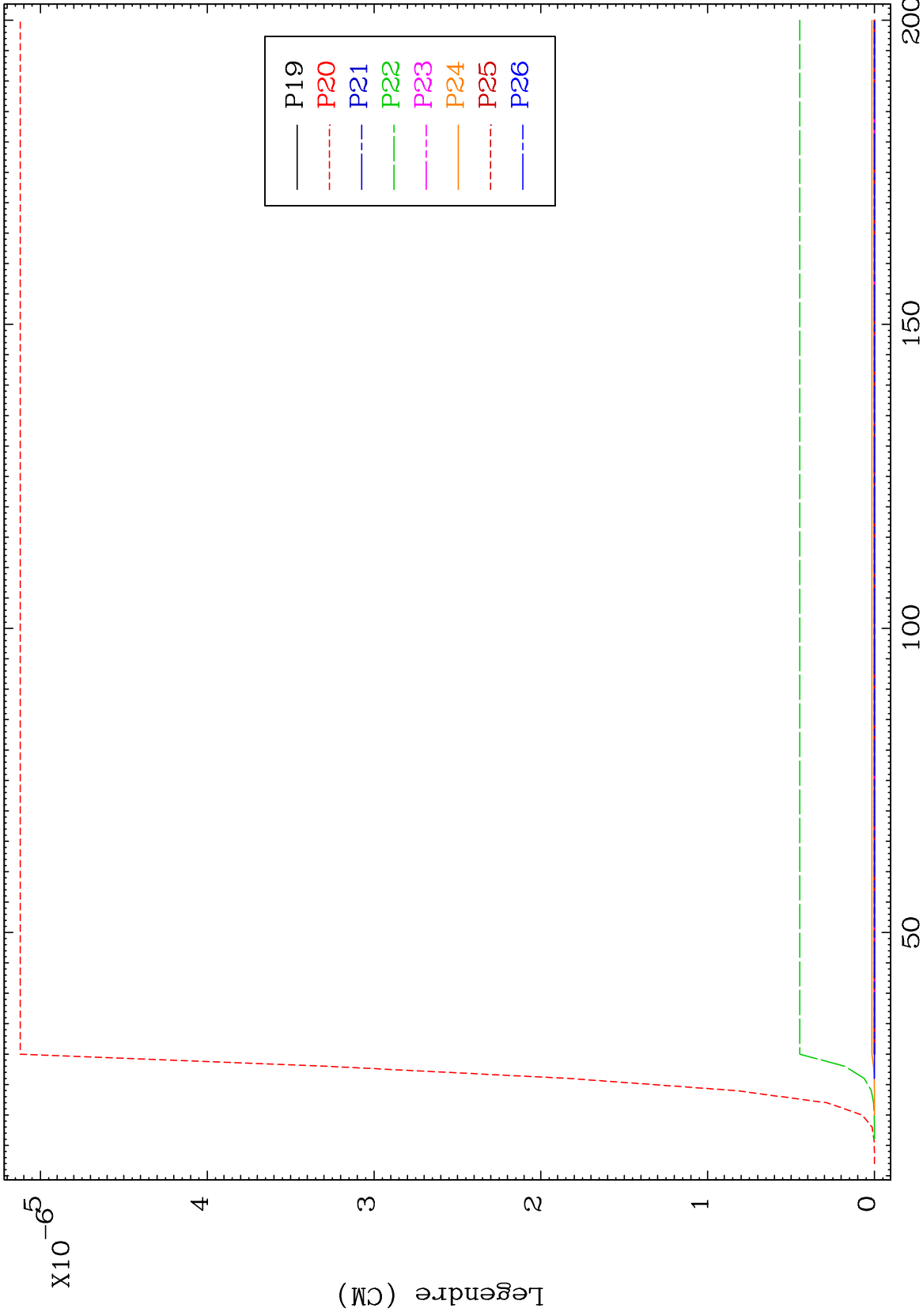
19

85-At-204

MAT 8528

MT= 51 (n,n') Level
Legendre Coefficients

85-At-204

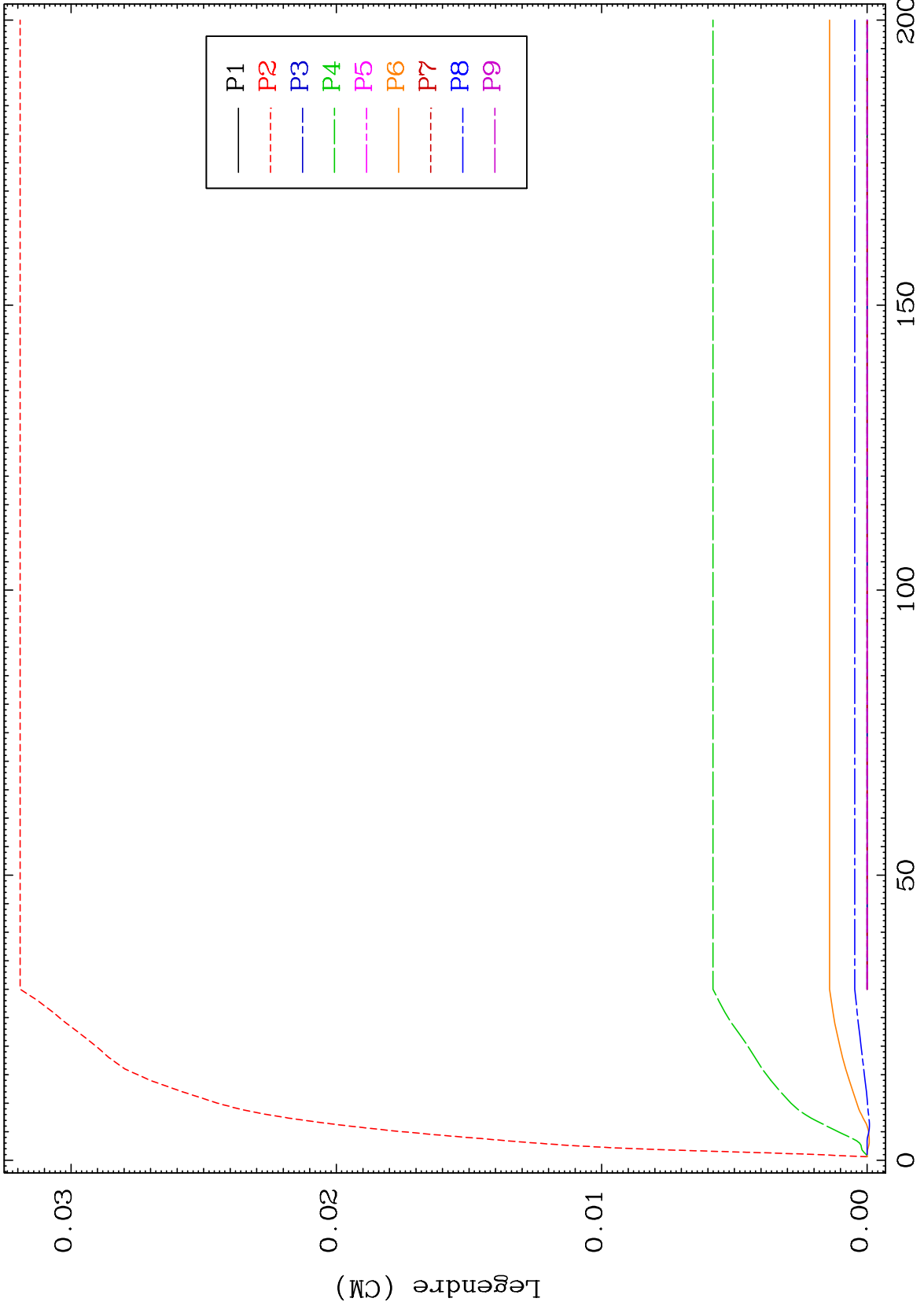


85-At-204

Incident Energy (MeV)

20

MAT 8528 MT= 52 (n,n') Level Legendre Coefficients 85-At-204

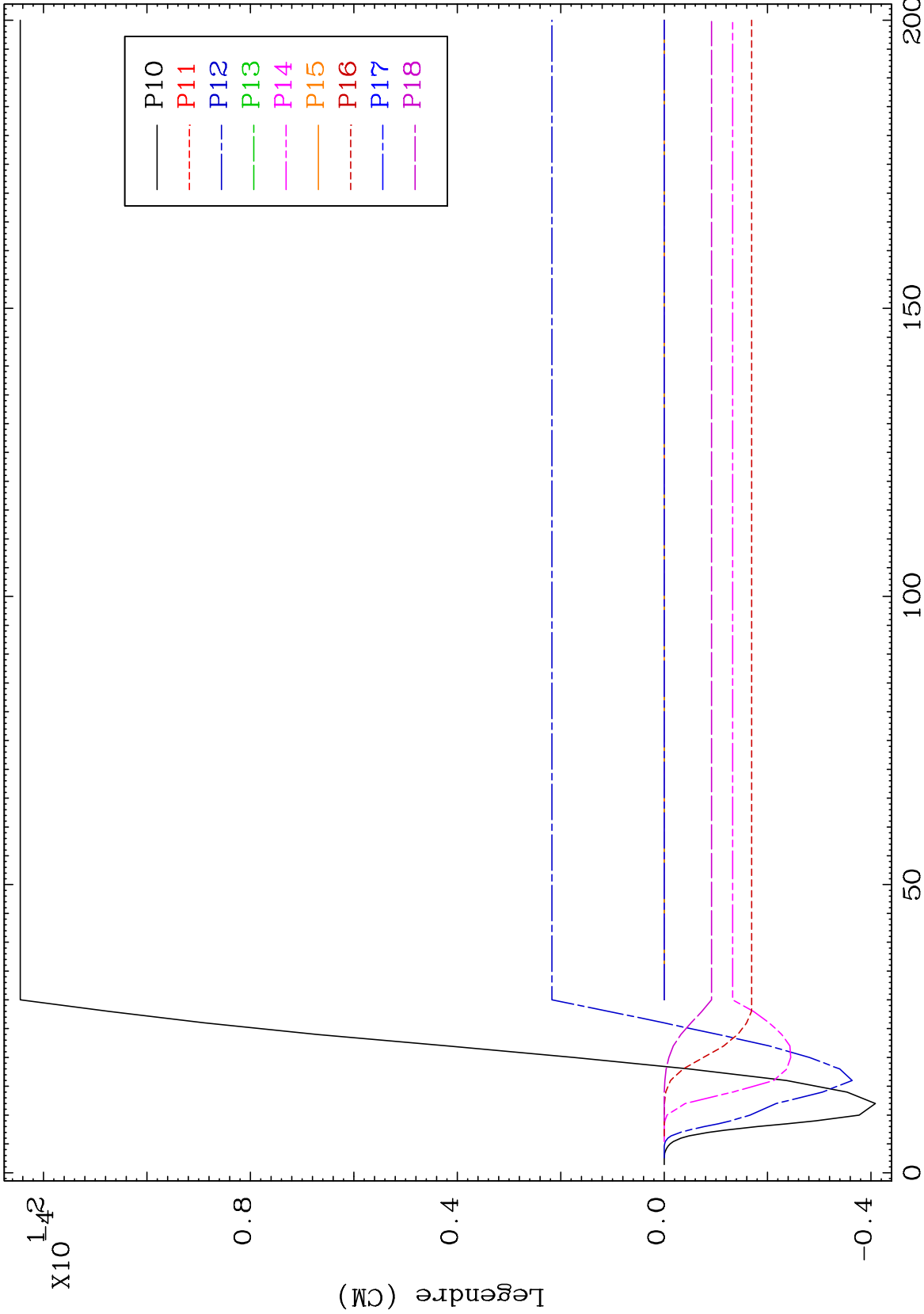


21 85-At-204

MAT 8528

MT= 52 (n,n') Level
Legendre Coefficients

85-At-204



22

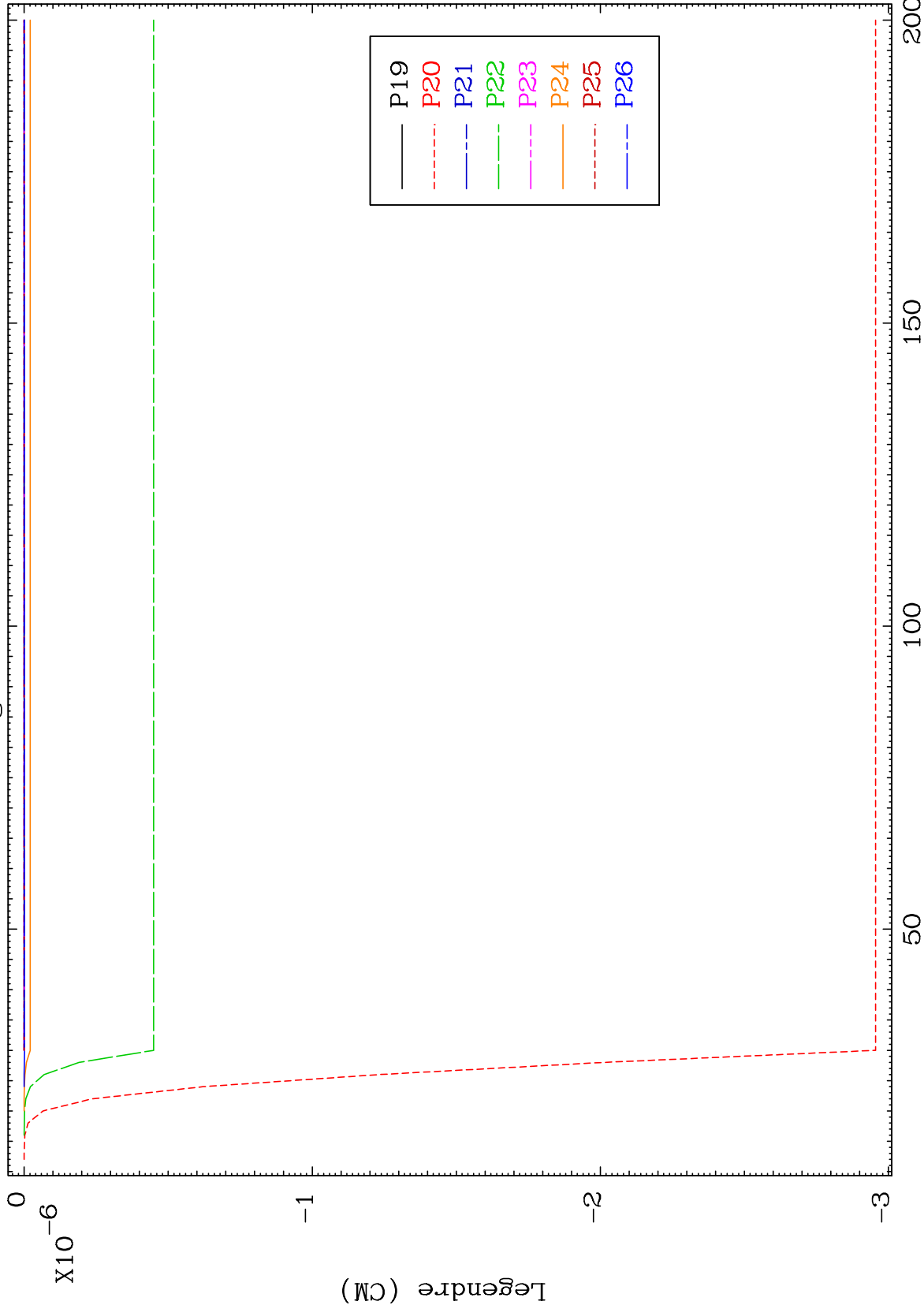
Incident Energy (MeV)

85-At-204

MAT 8528

MT= 52 (n,n') Level
Legendre Coefficients

85-At-204



85-At-204

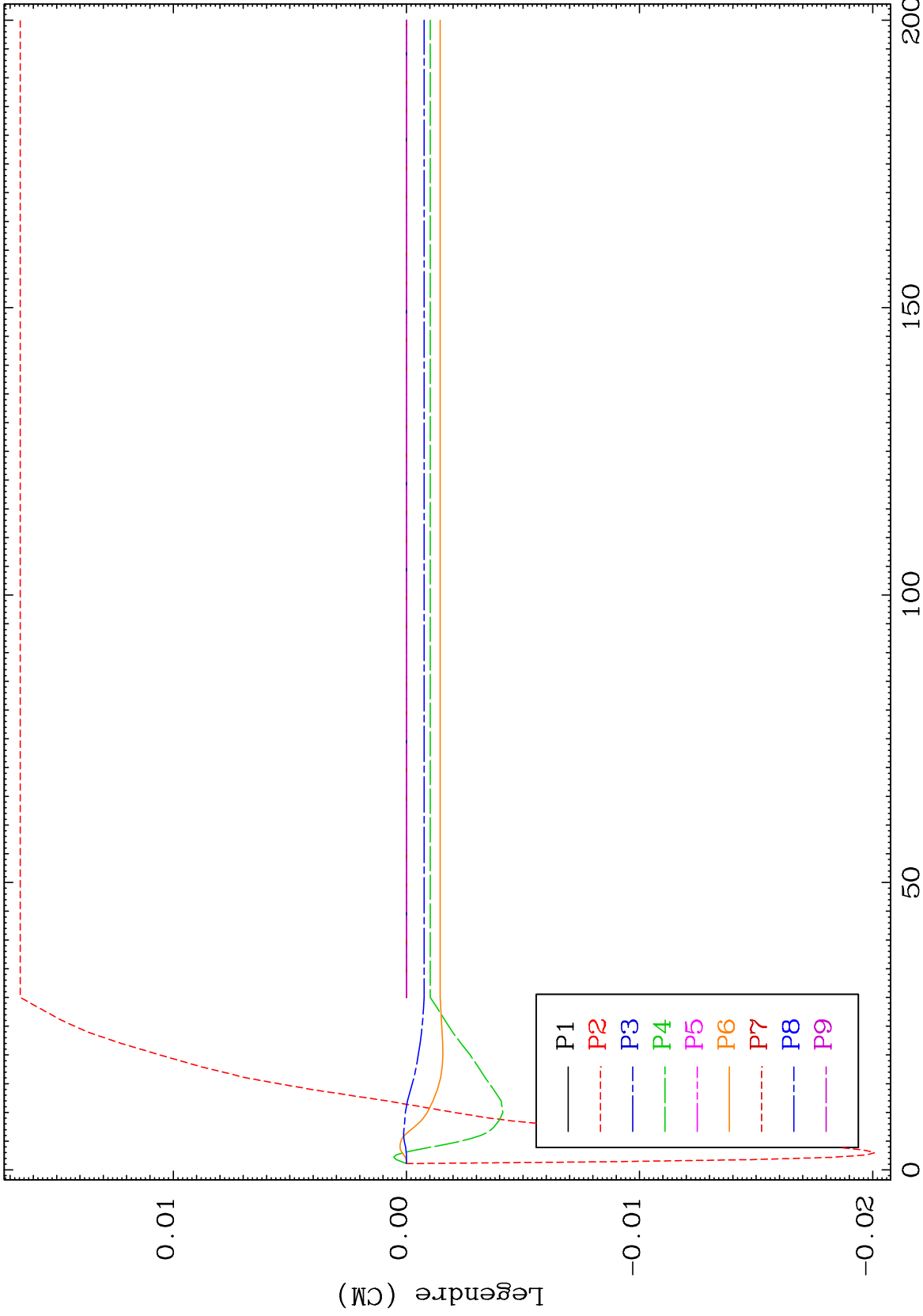
Incident Energy (MeV)

23

MAT 8528

MT= 53 (n,n') Level
Legendre Coefficients

85-At-204



24

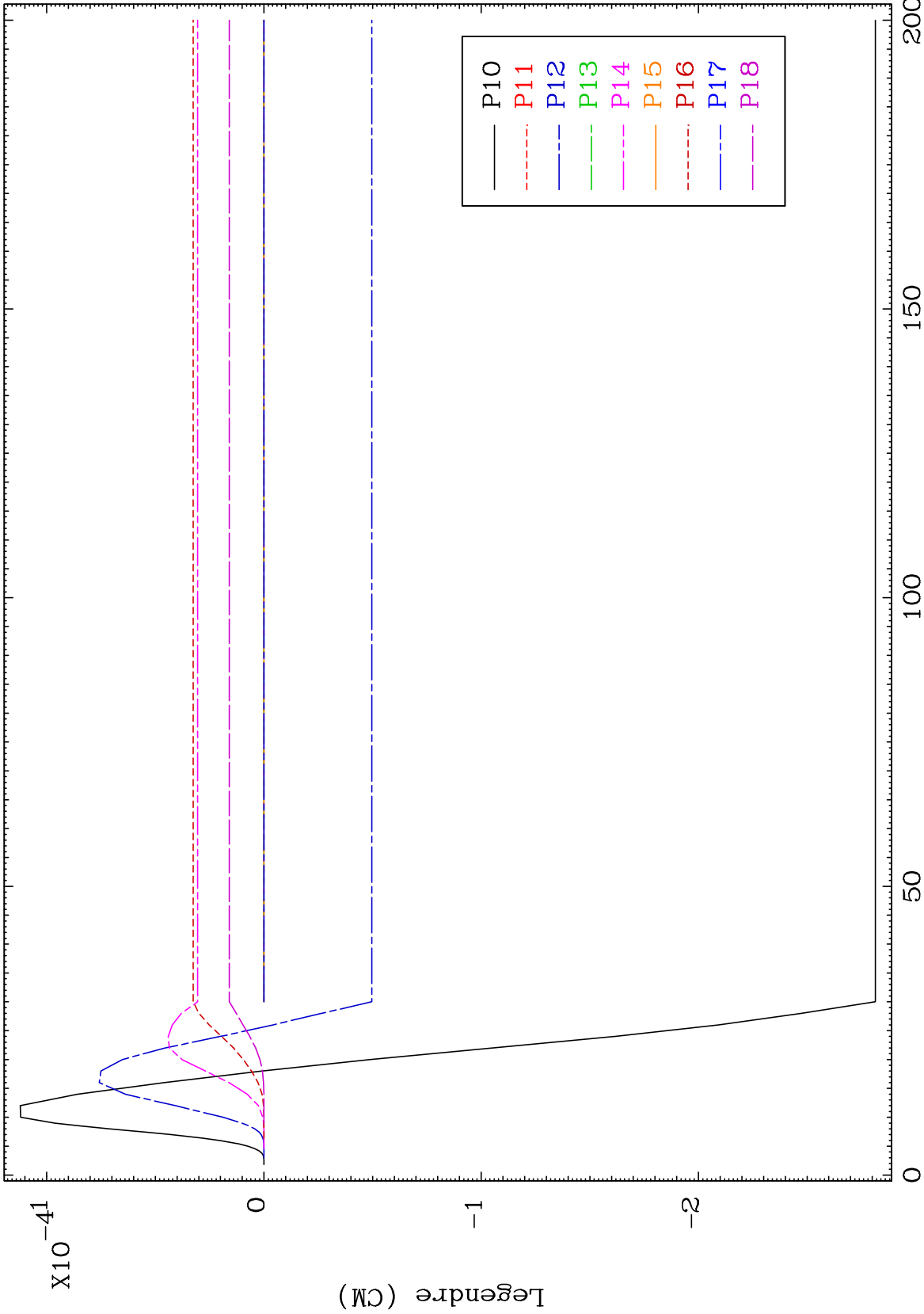
Incident Energy (MeV)

85-At-204

MAT 8528

MT= 53 (n,n') Level
Legendre Coefficients

85-At-204

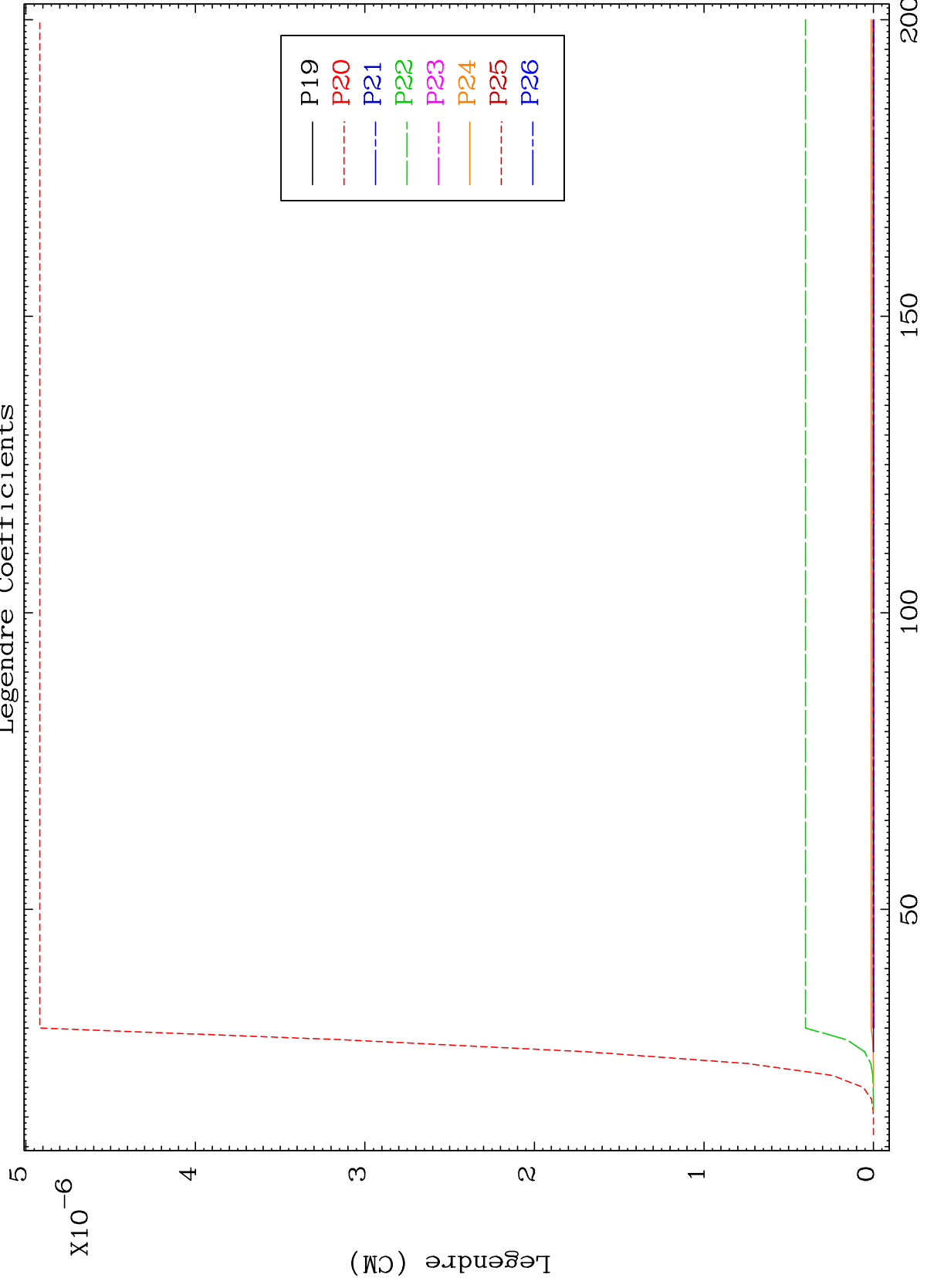


25

Incident Energy (MeV)

85-At-204

MAT 8528 MT= 53 (n,n') Level Legendre Coefficients 85-At-204

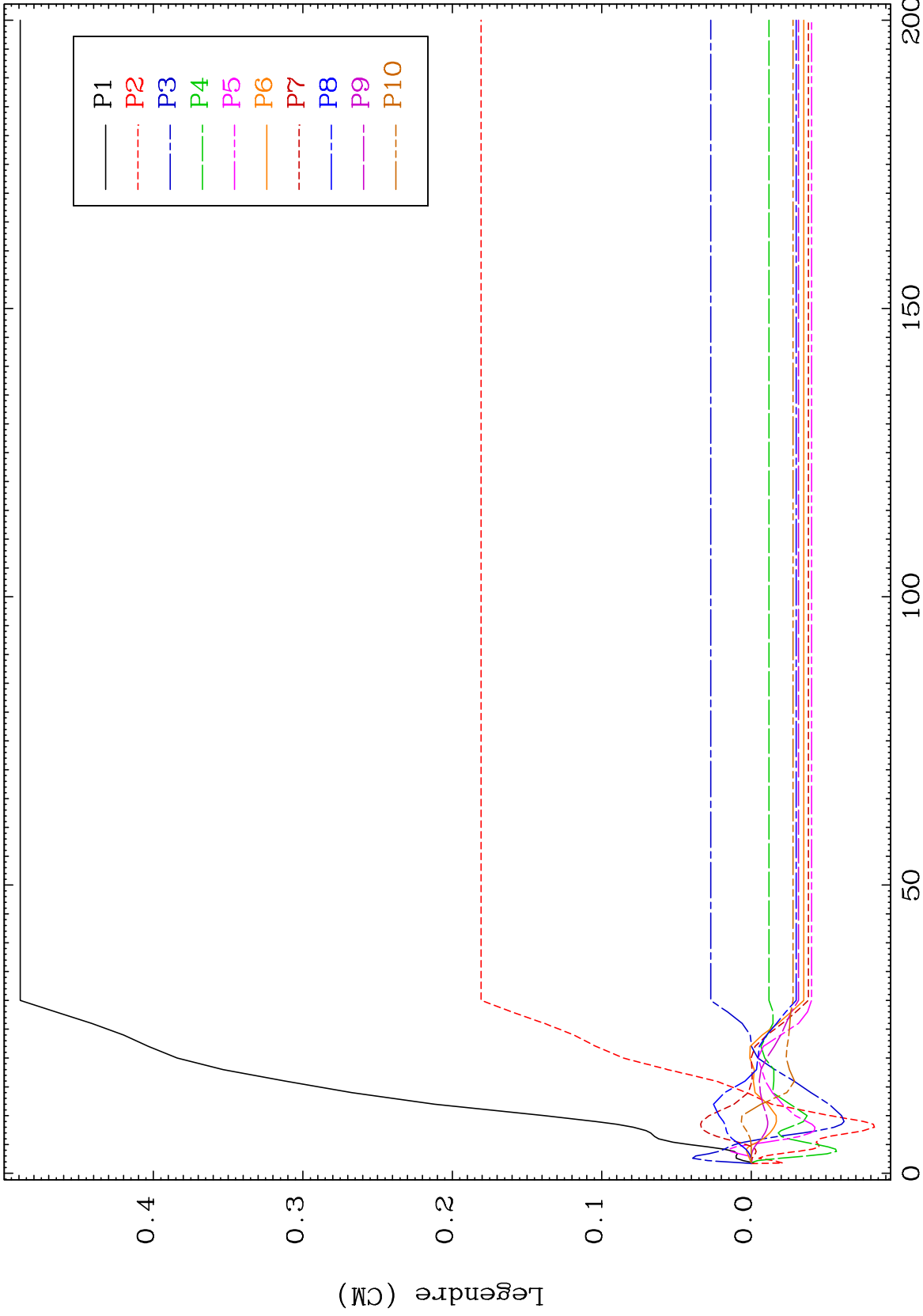


26 Incident Energy (MeV) 85-At-204

MAT 8528

MT= 54 (n,n') Level
Legendre Coefficients

85-At-204



27

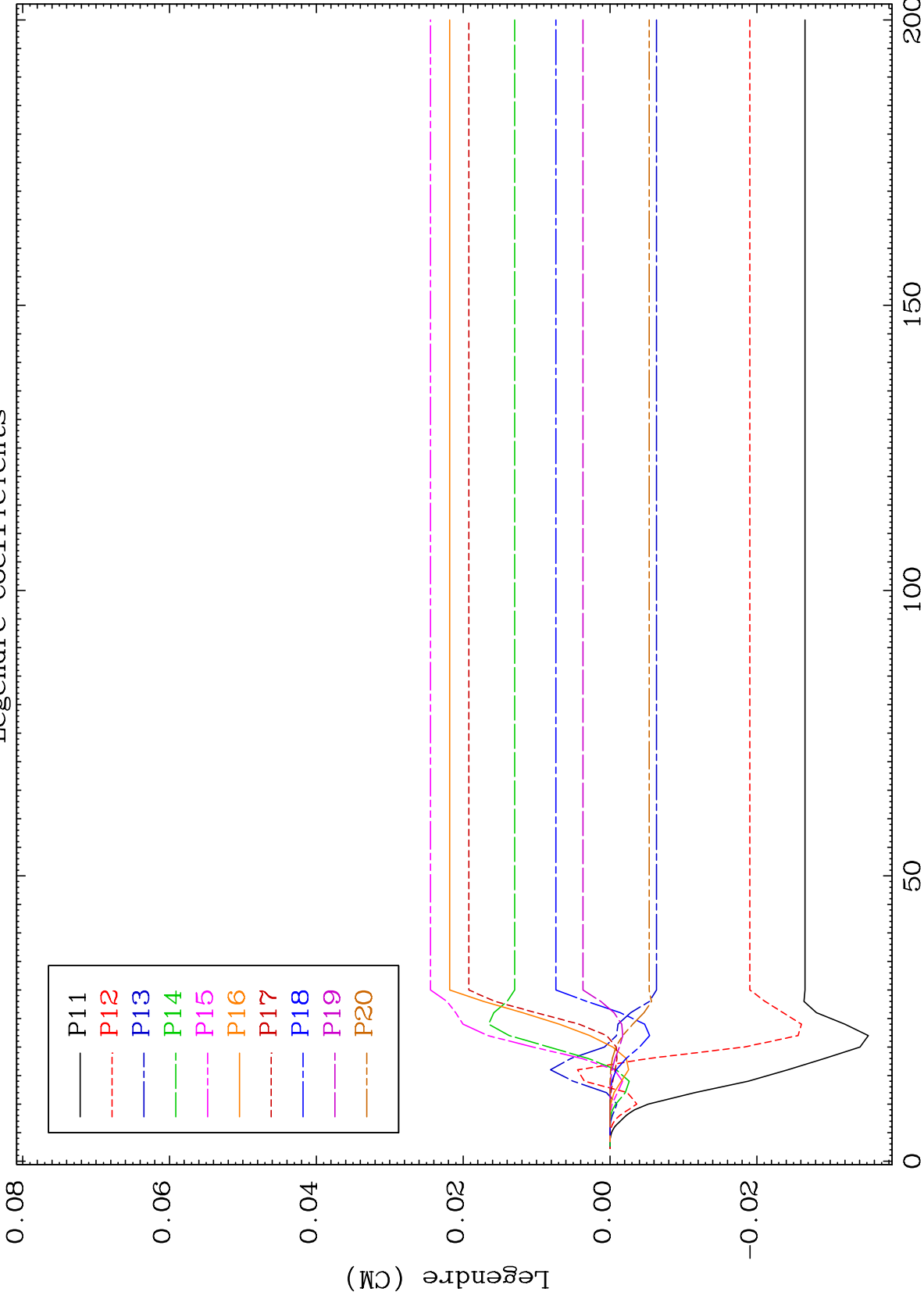
Incident Energy (MeV)

85-At-204

MAT 8528

MT= 54 (n,n') Level
Legendre Coefficients

85-At-204



85-At-204

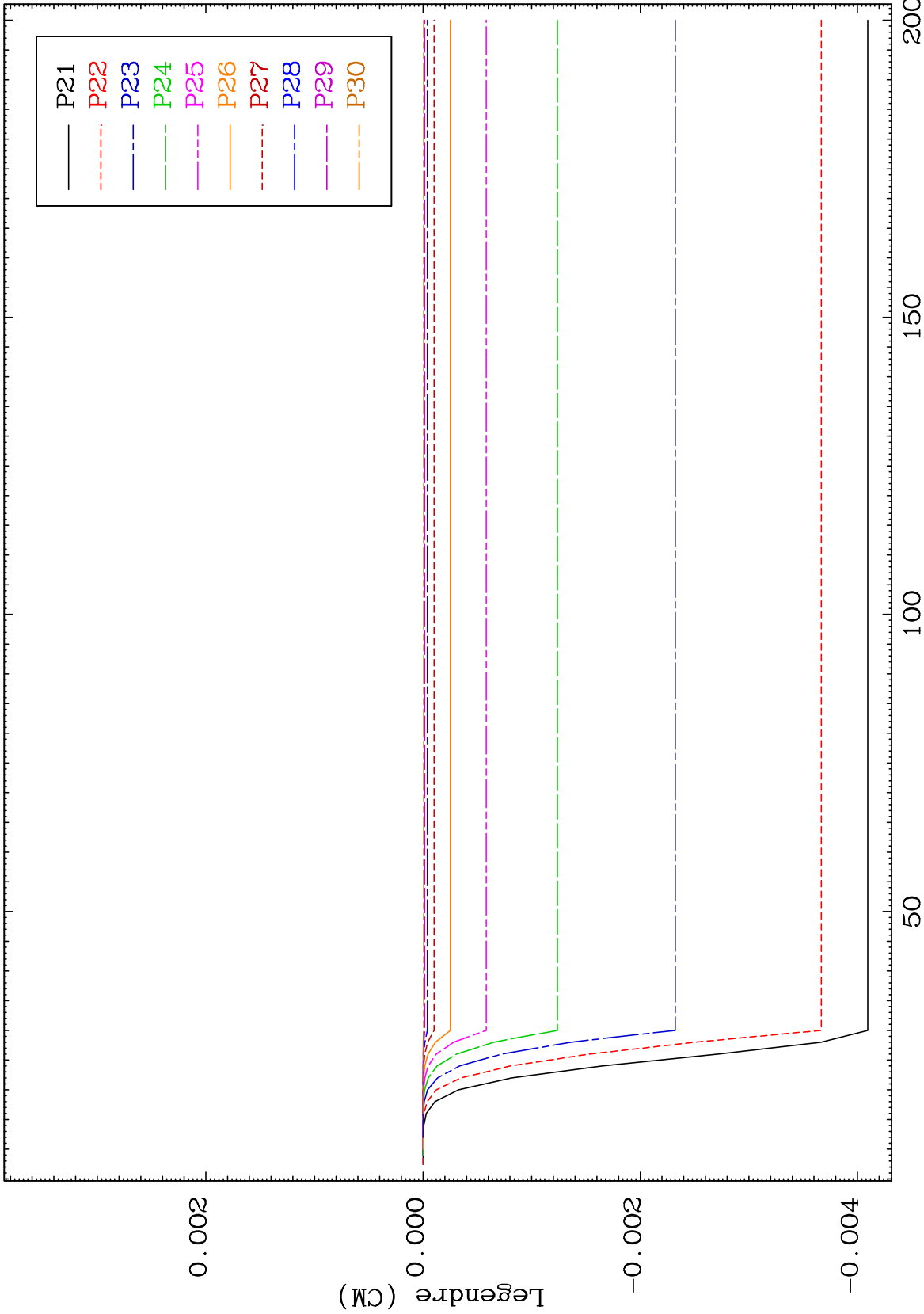
Incident Energy (MeV)

28

MAT 8528

MT= 54 (n,n') Level
Legendre Coefficients

85-At-204



29

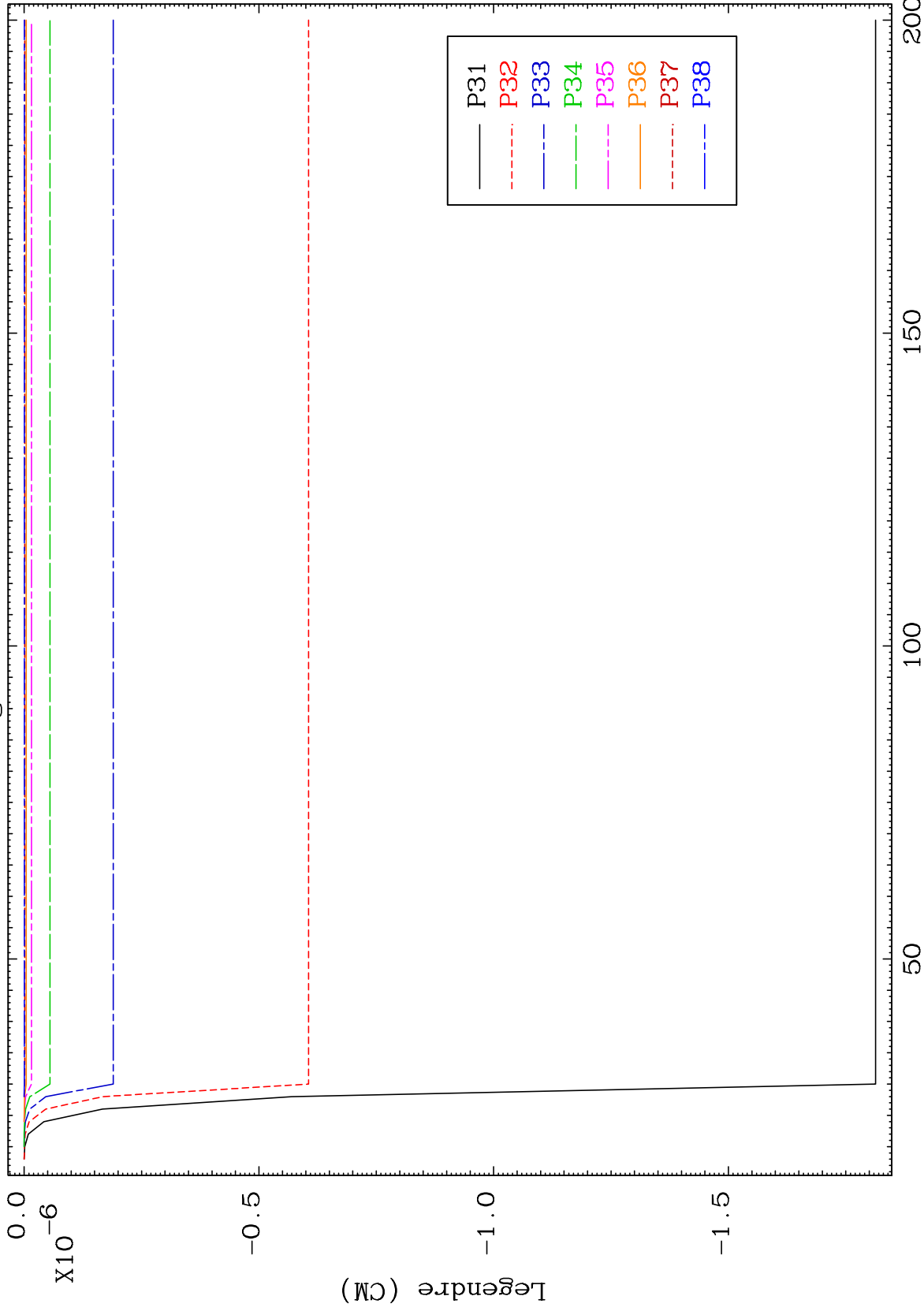
Incident Energy (MeV)

85-At-204

MAT 8528

MT= 54 (n,n') Level
Legendre Coefficients

85-At-204



85-At-204

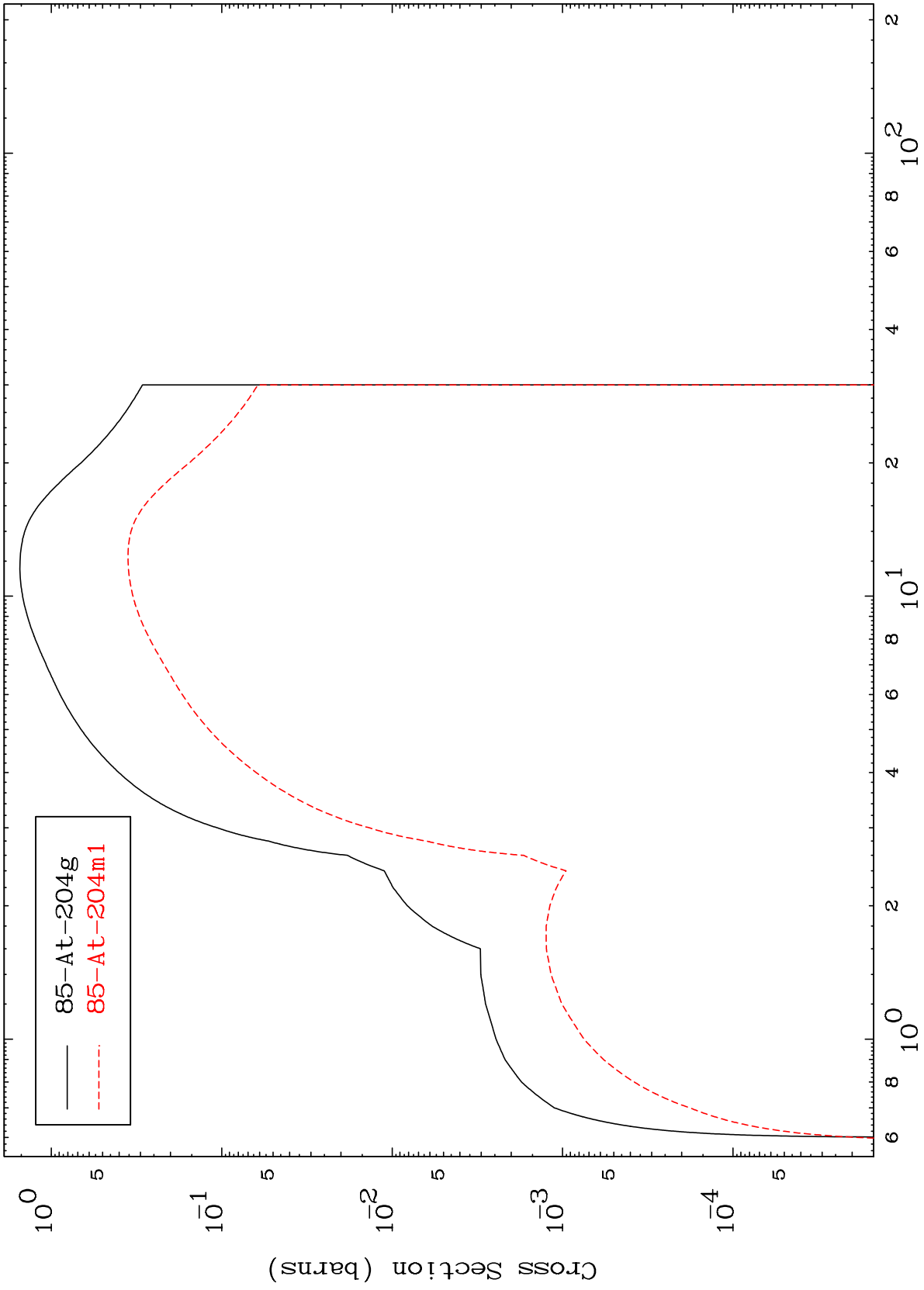
Incident Energy (MeV)

30

MAT 8528

Inelastic
Radionuclide Production Cross Section

85-At-204



31

Incident Energy (MeV)

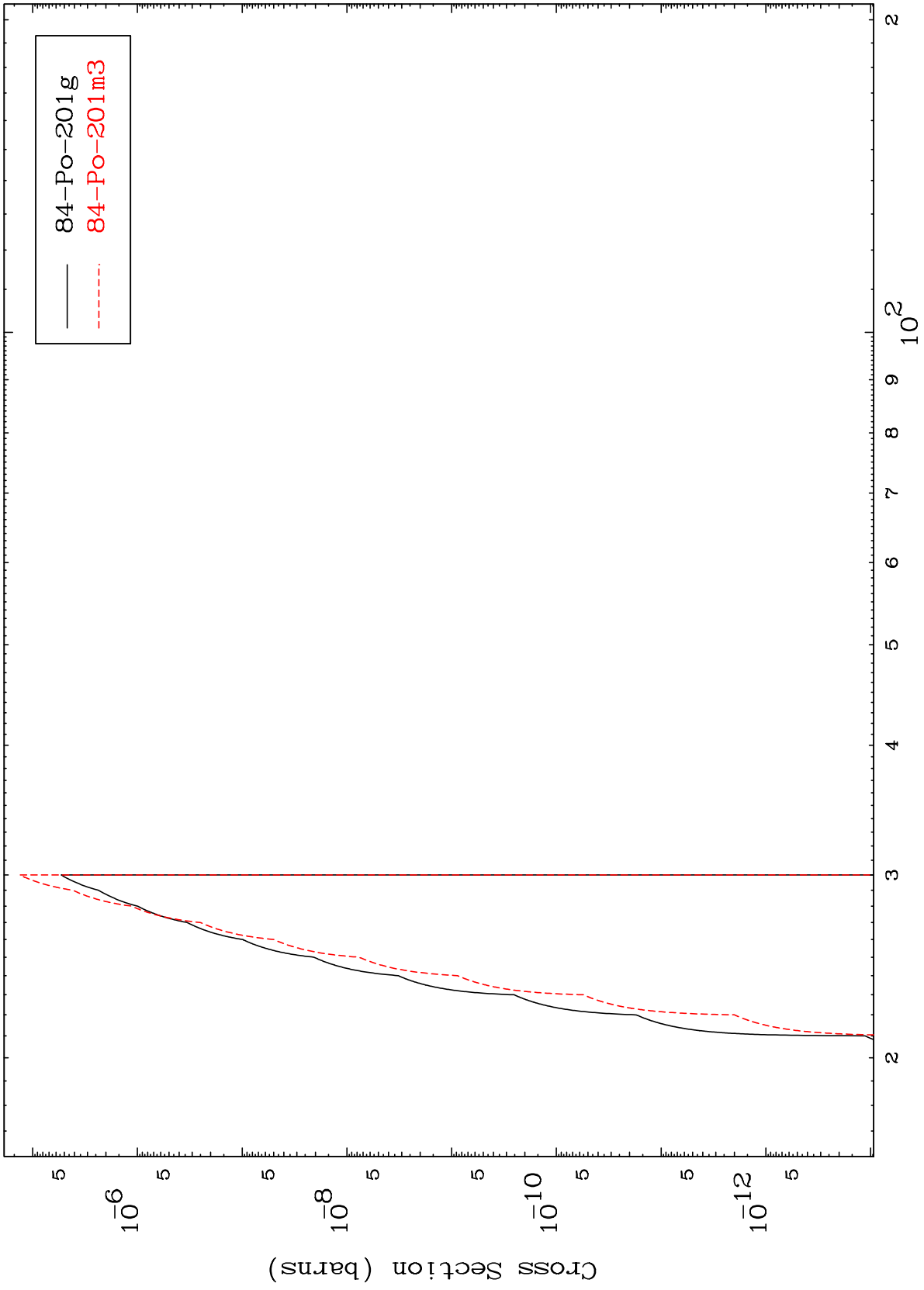
85-At-204

MAT 8528

(n,2n) d

85-At-204

Radionuclide Production Cross Section



32

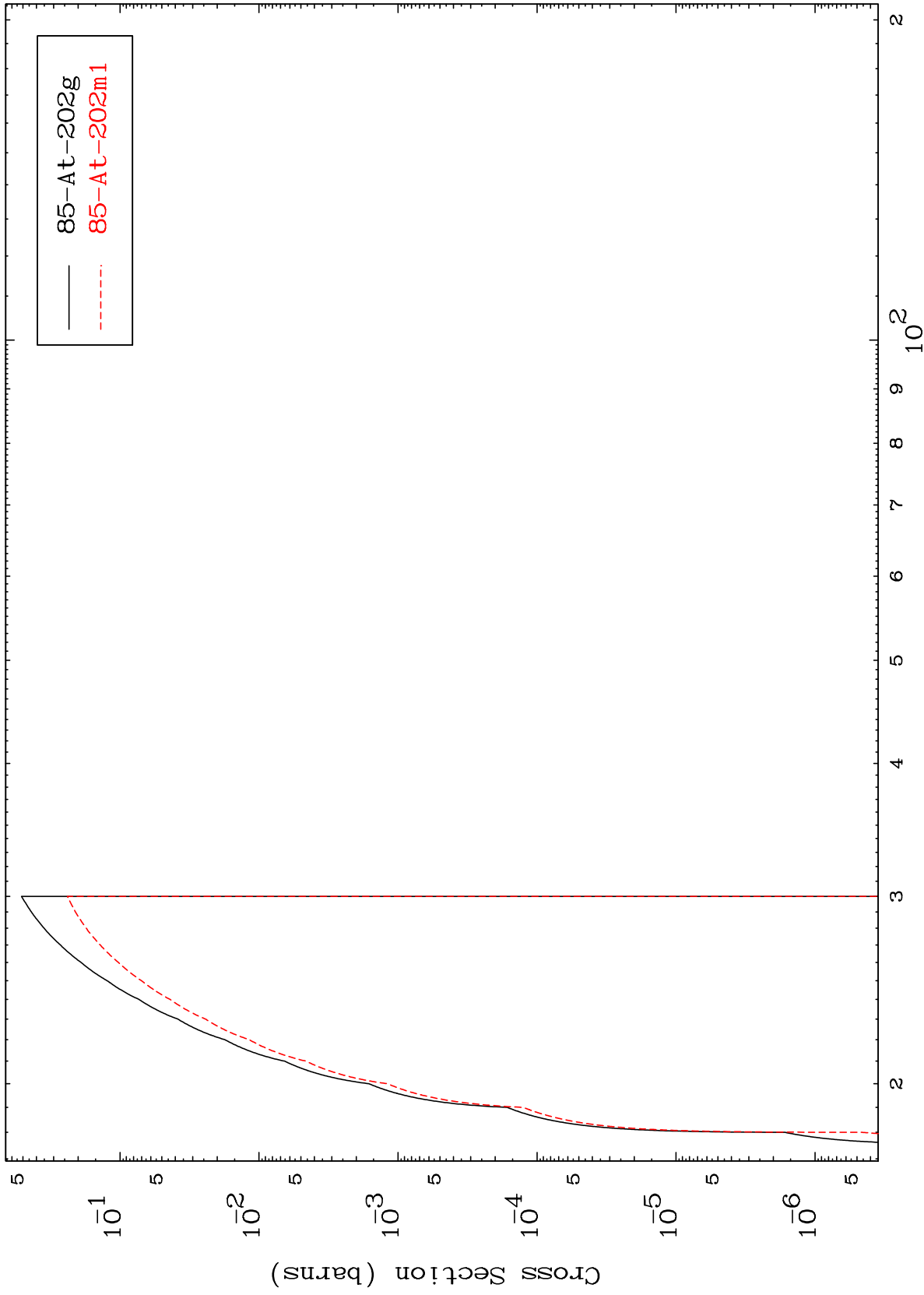
Incident Energy (MeV)

85-At-204

MAT 8528

85-At-204

(n,3n)
Radionuclide Production Cross Section



33

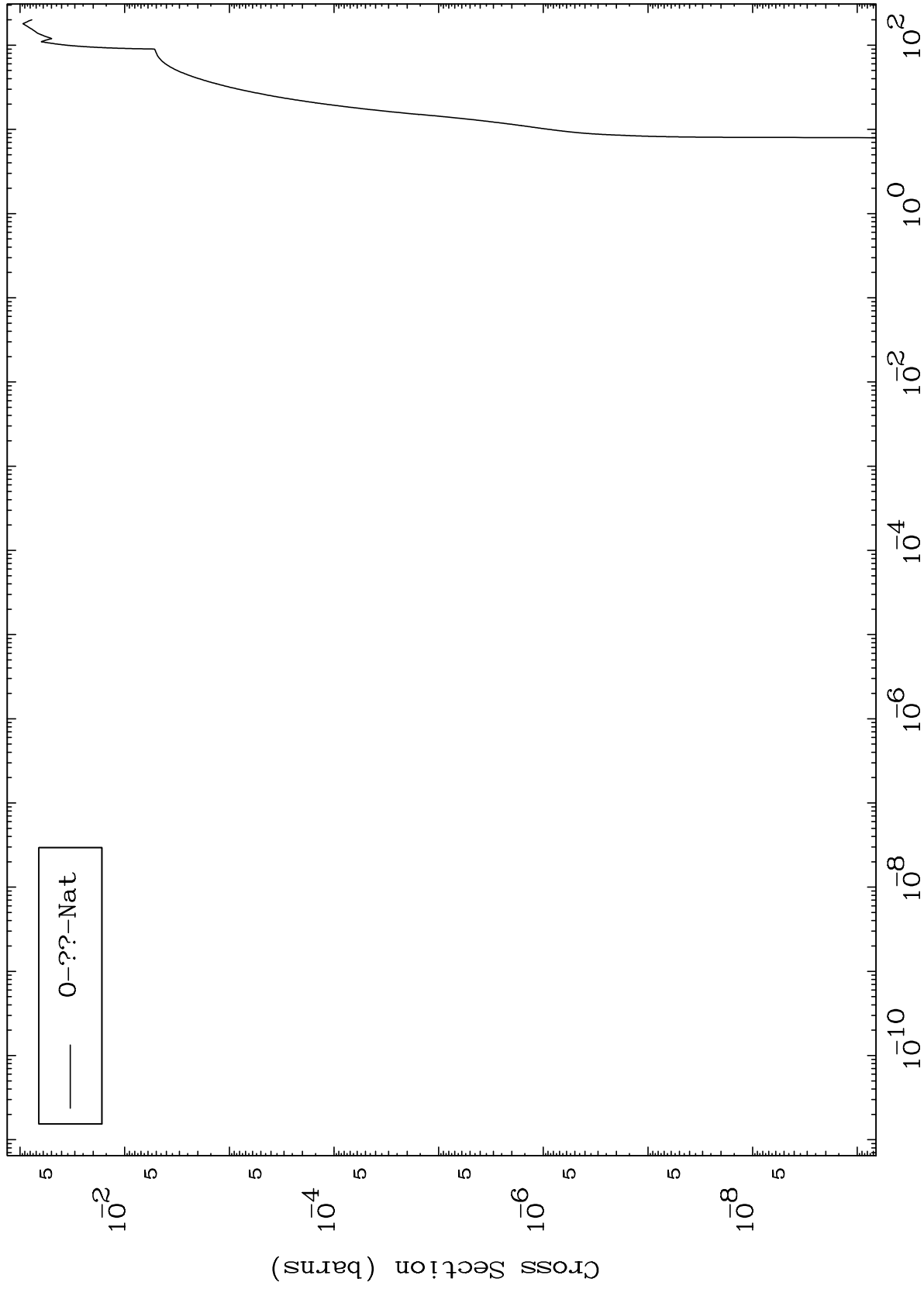
Incident Energy (MeV)

85-At-204

MAT 8528

Fission
Radionuclide Production Cross Section

85-At-204



34

Incident Energy (MeV)

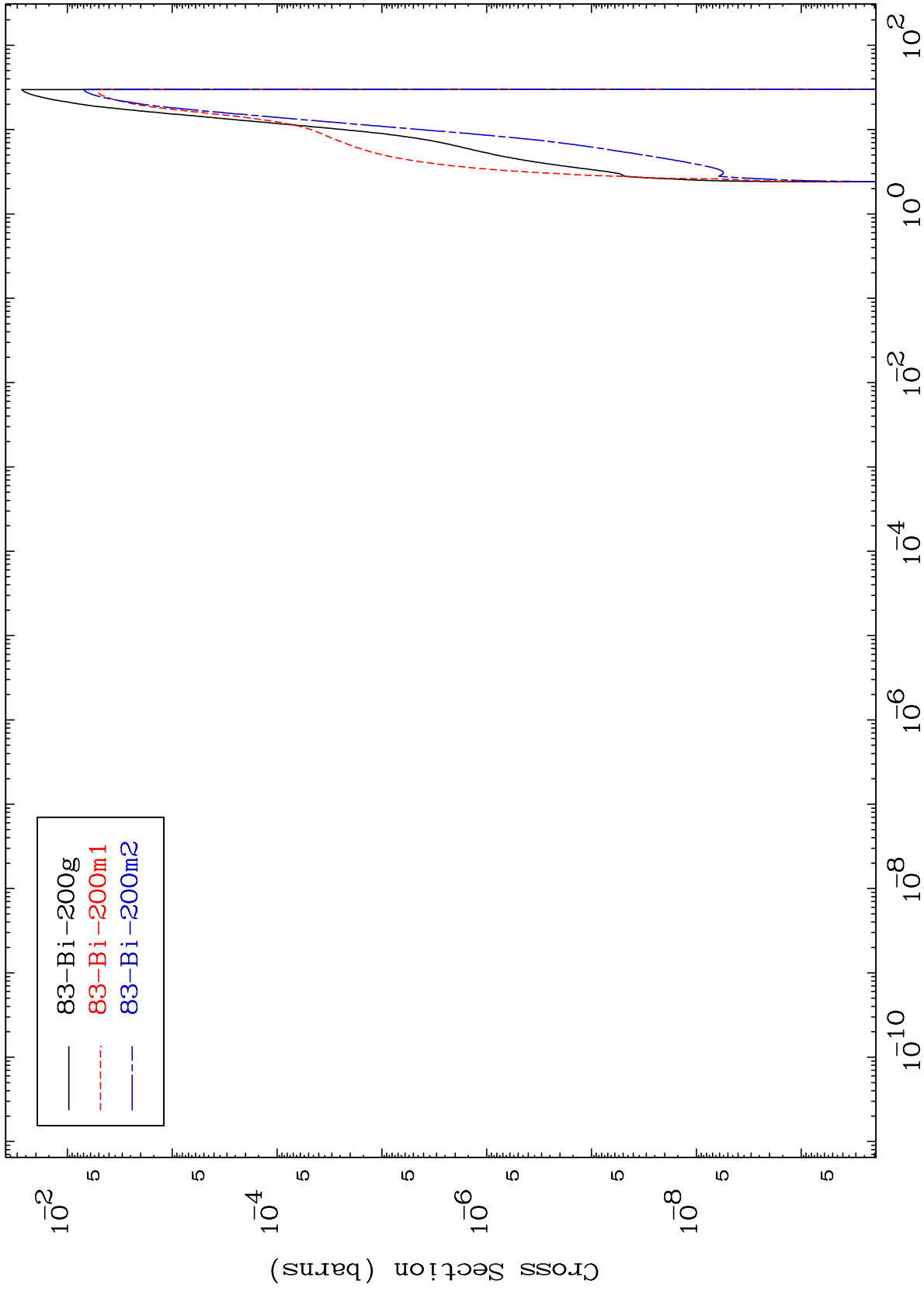
85-At-204

MAT 8528

(n,n') α

85-At-204

Radionuclide Production Cross Section



35

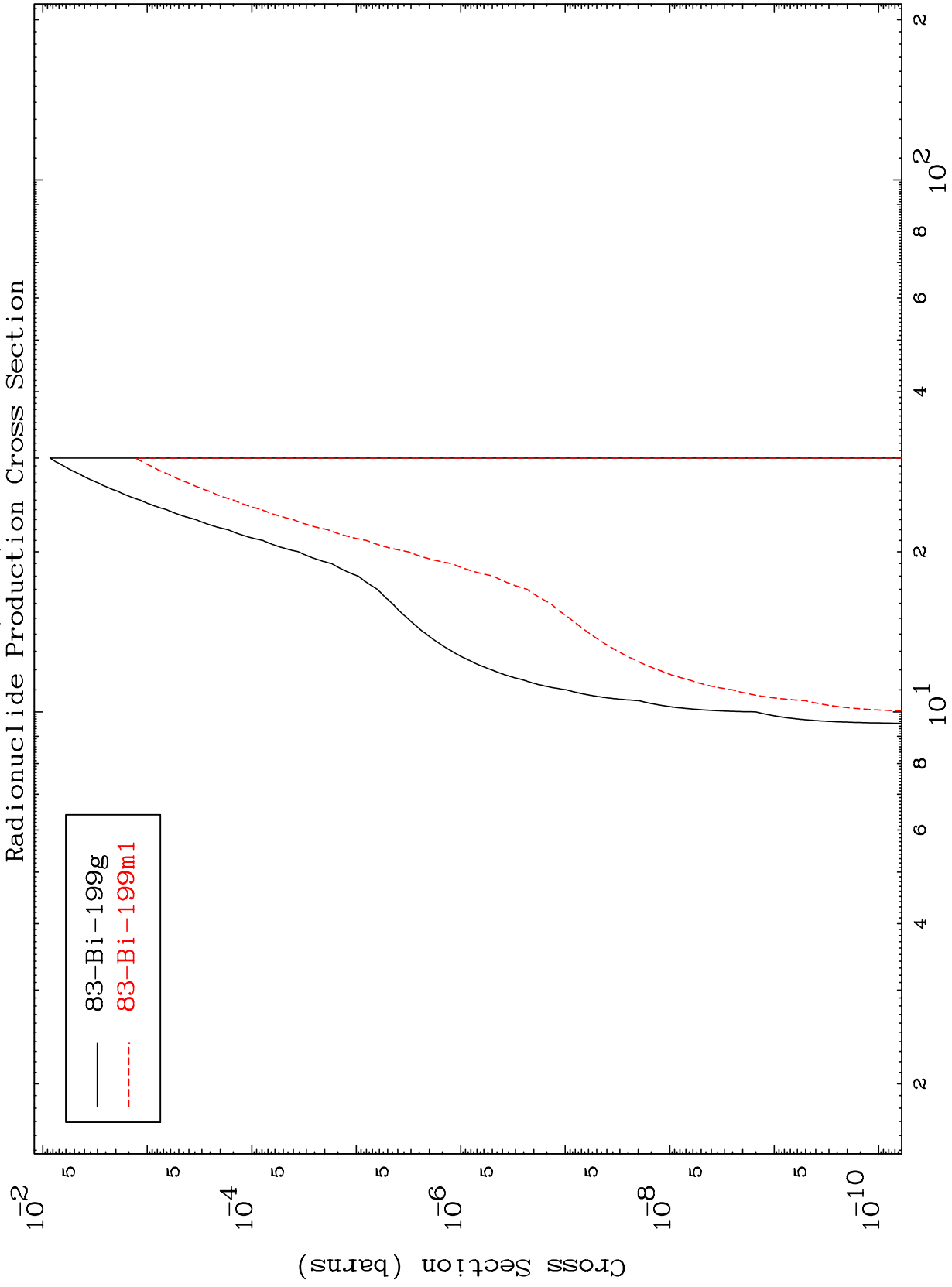
Incident Energy (MeV)

85-At-204

MAT 8528

(n,2n) α

85-At-204



36

Incident Energy (MeV)

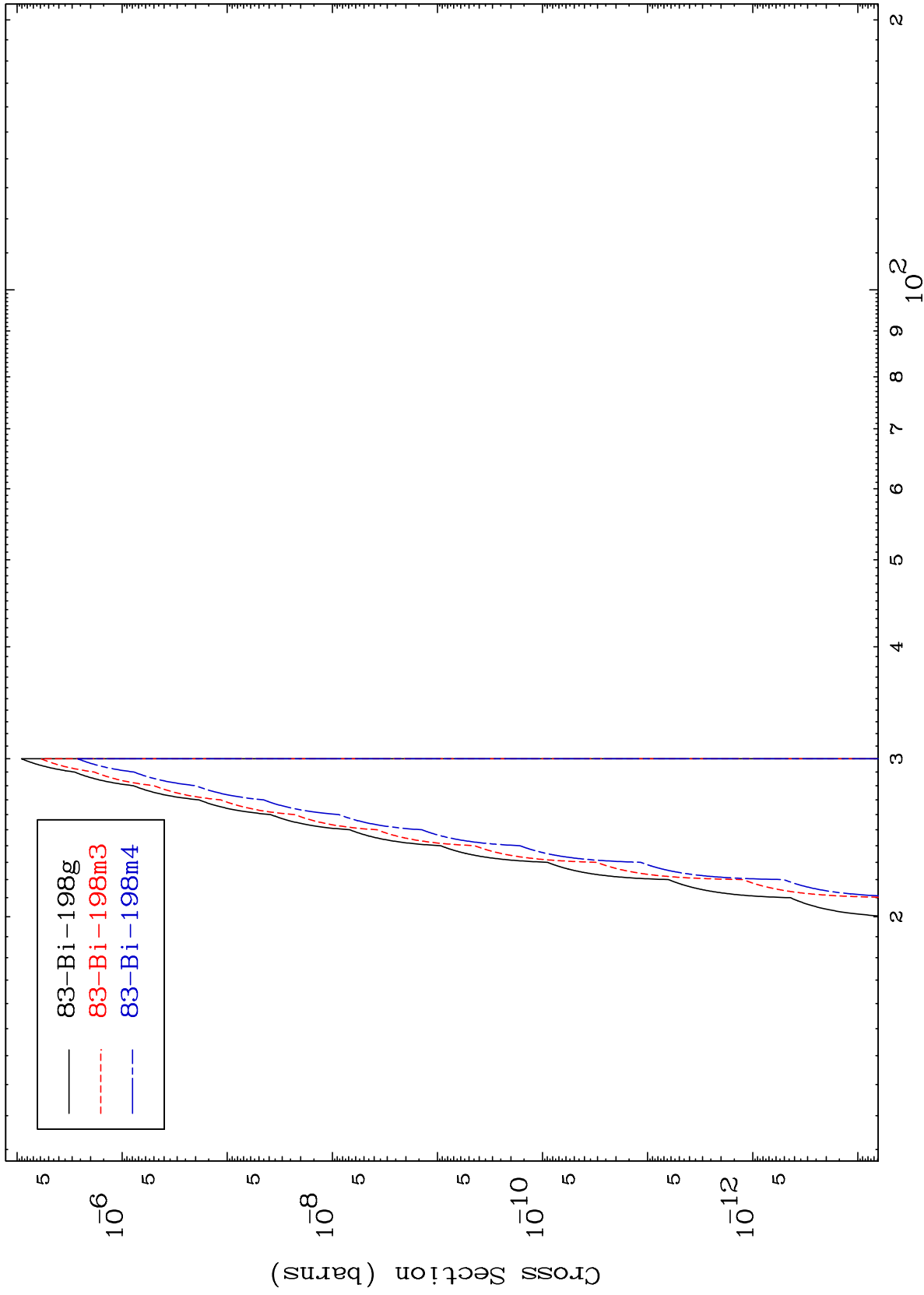
85-At-204

MAT 8528

(n,3n) α

85-At-204

Radionuclide Production Cross Section



37

Incident Energy (MeV)

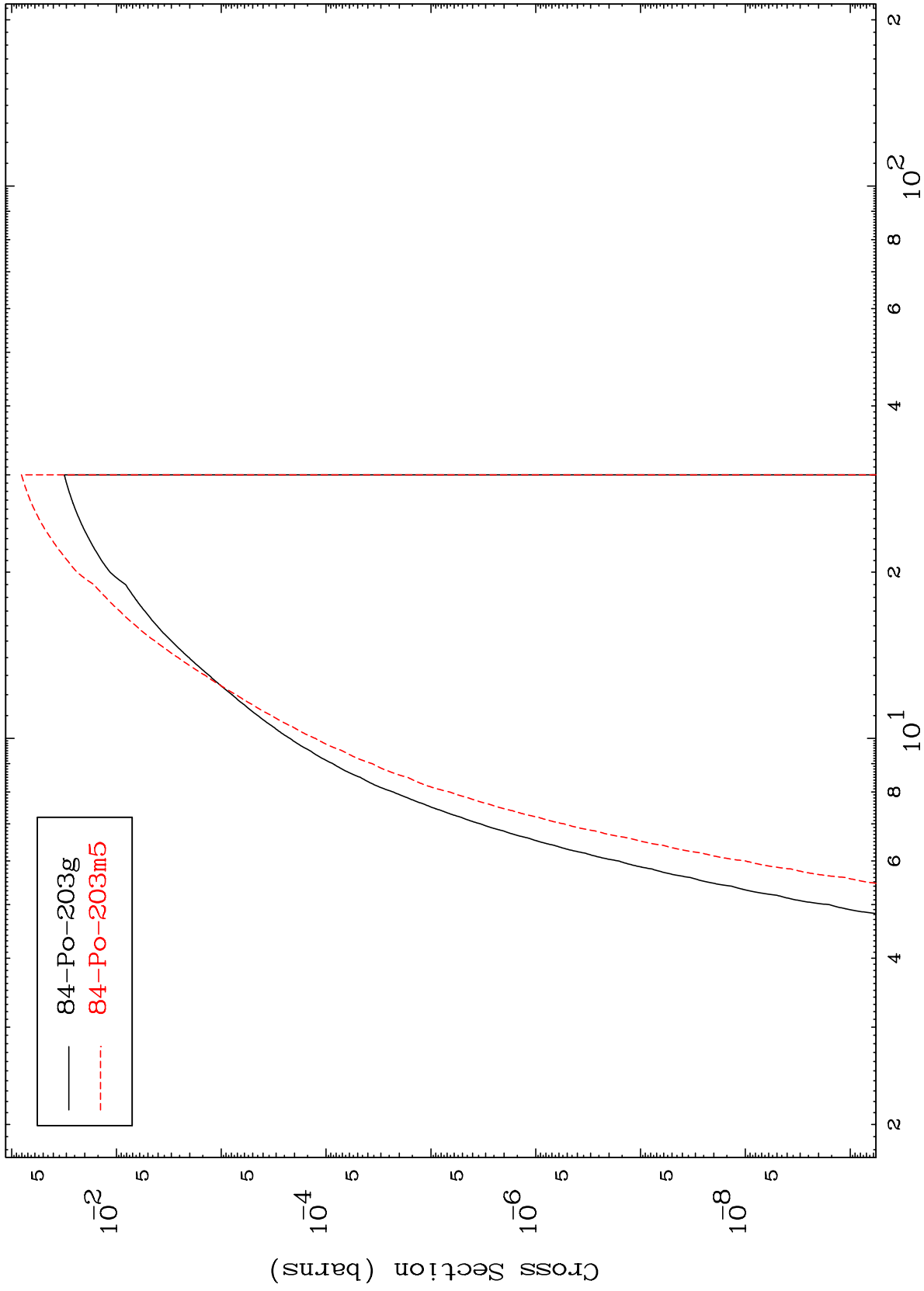
85-At-204

MAT 8528

(n,n') p

85-At-204

Radionuclide Production Cross Section



38

Incident Energy (MeV)

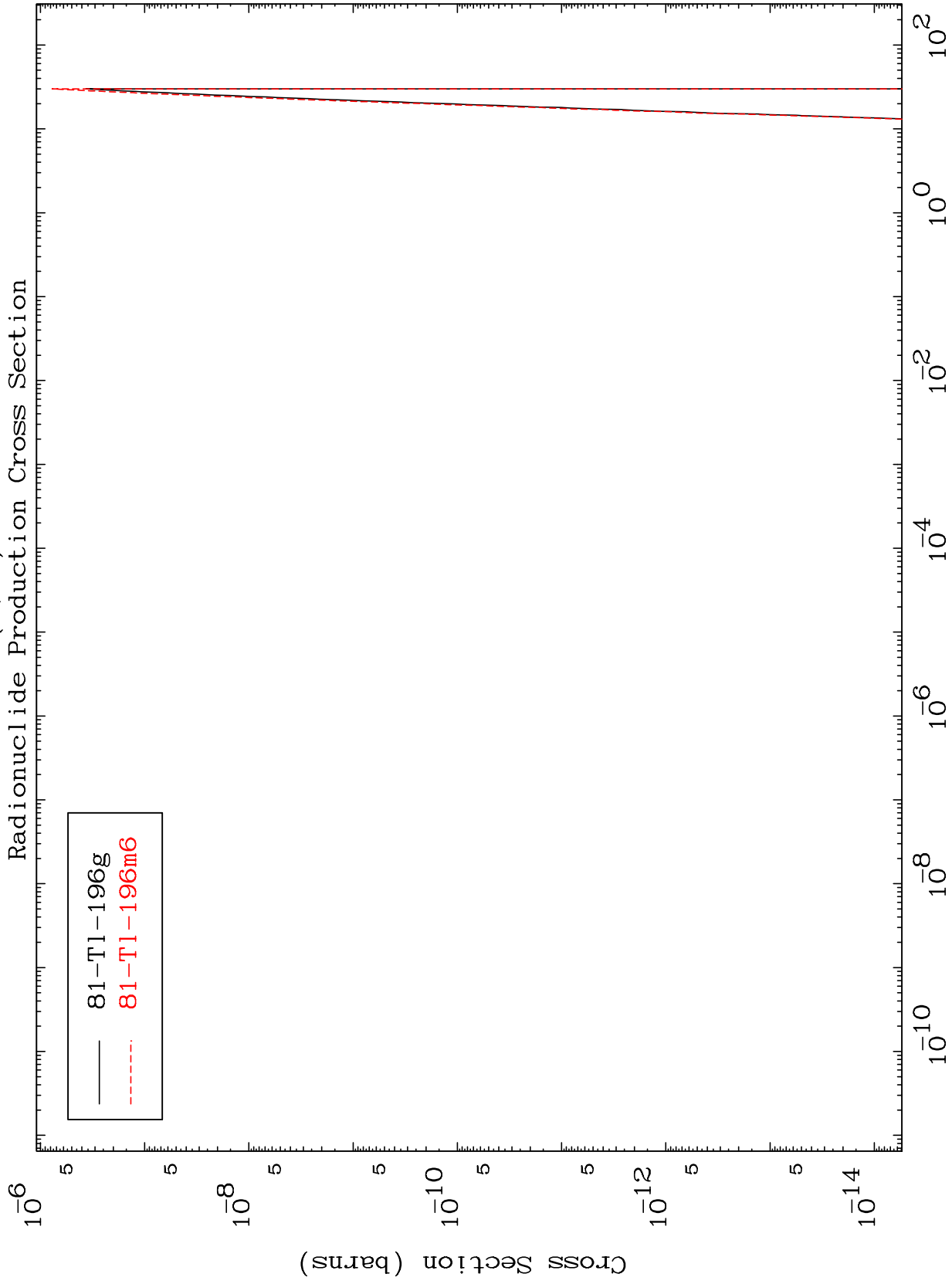
85-At-204

MAT 8528

(n,n') 2 α

85-At-204

Radionuclide Production Cross Section



39

Incident Energy (MeV)

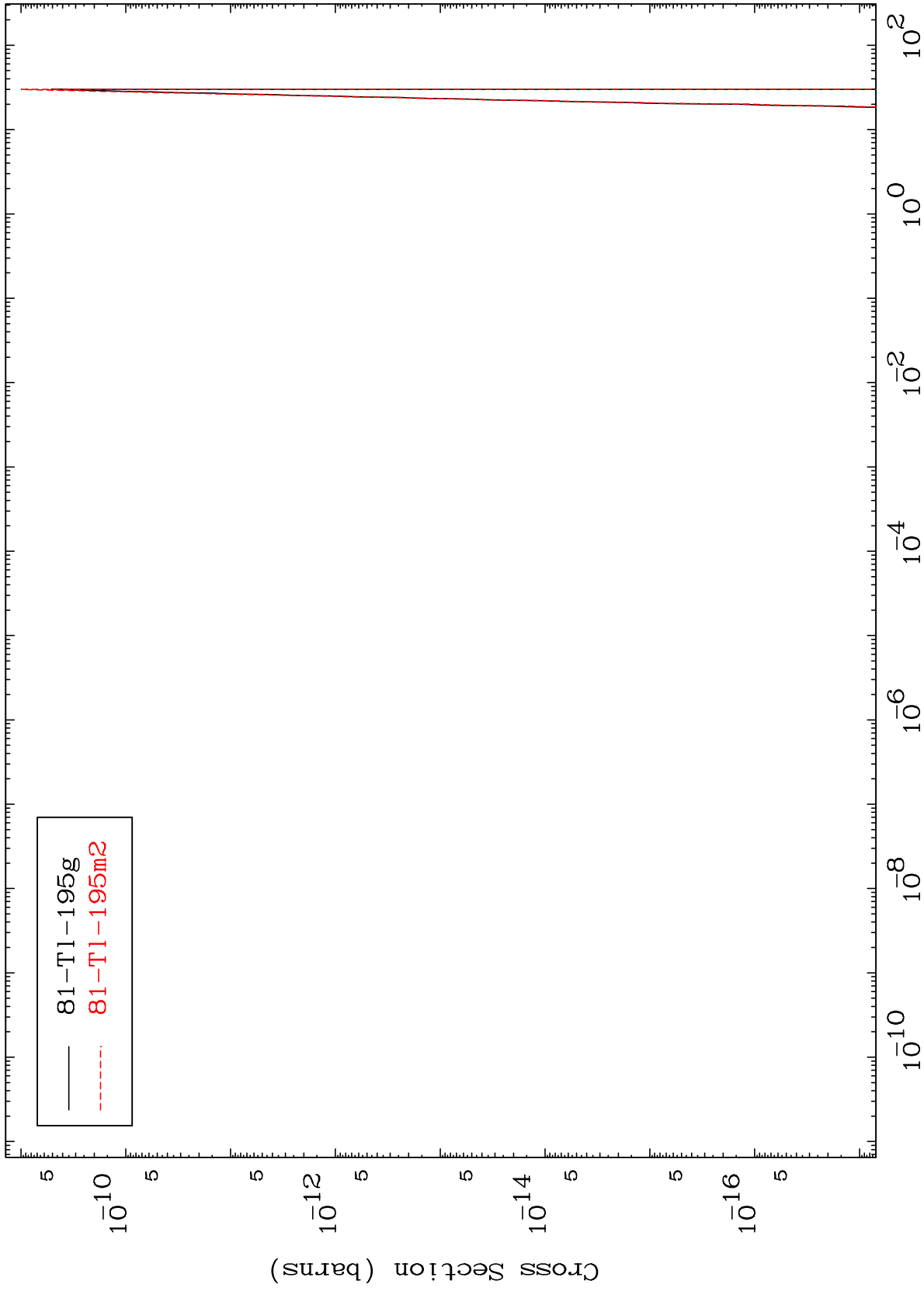
85-At-204

MAT 8528

(n,2n) 2 α

85-At-204

Radionuclide Production Cross Section



40

Incident Energy (MeV)

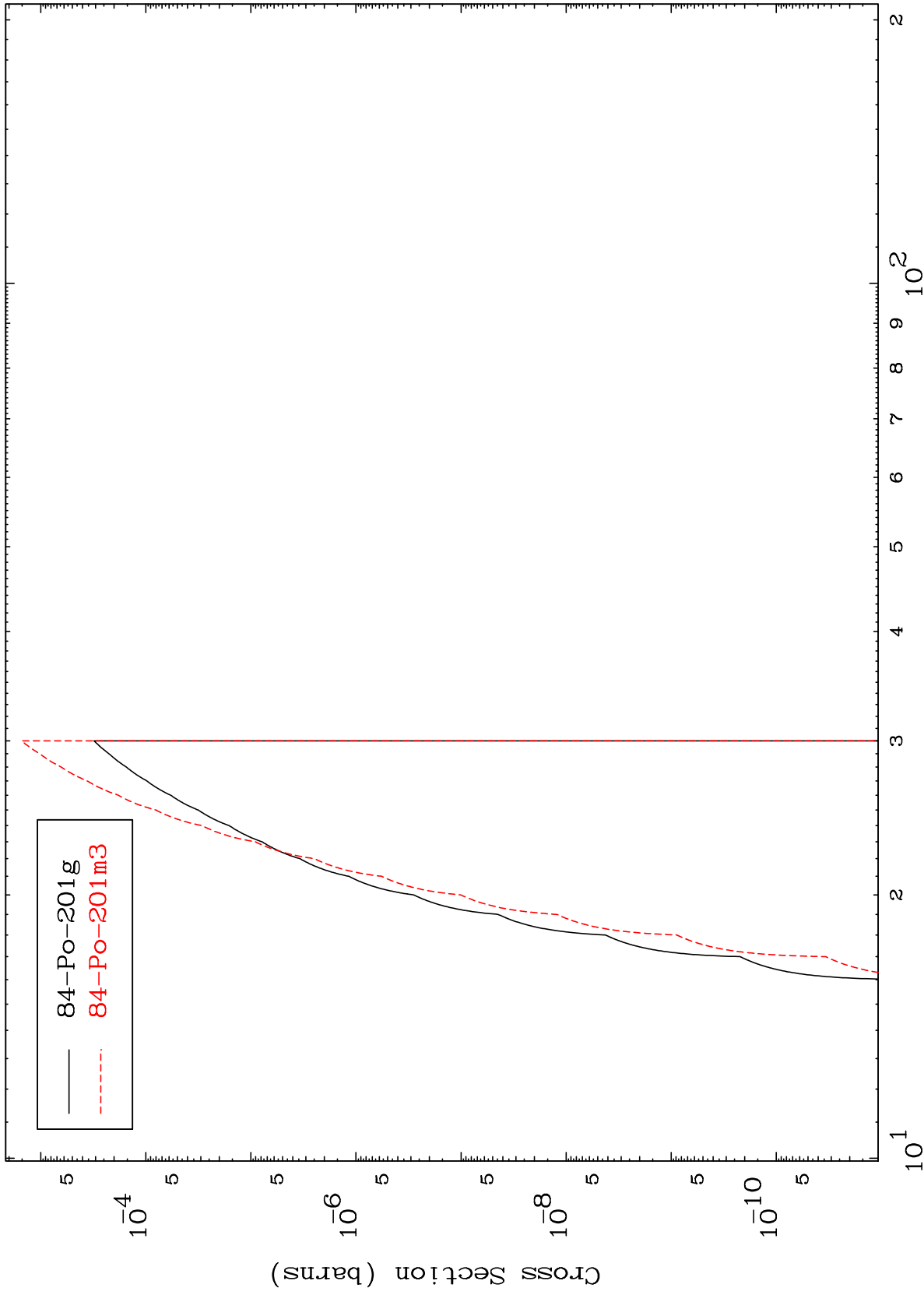
85-At-204

MAT 8528

(n,n') t

85-At-204

Radionuclide Production Cross Section



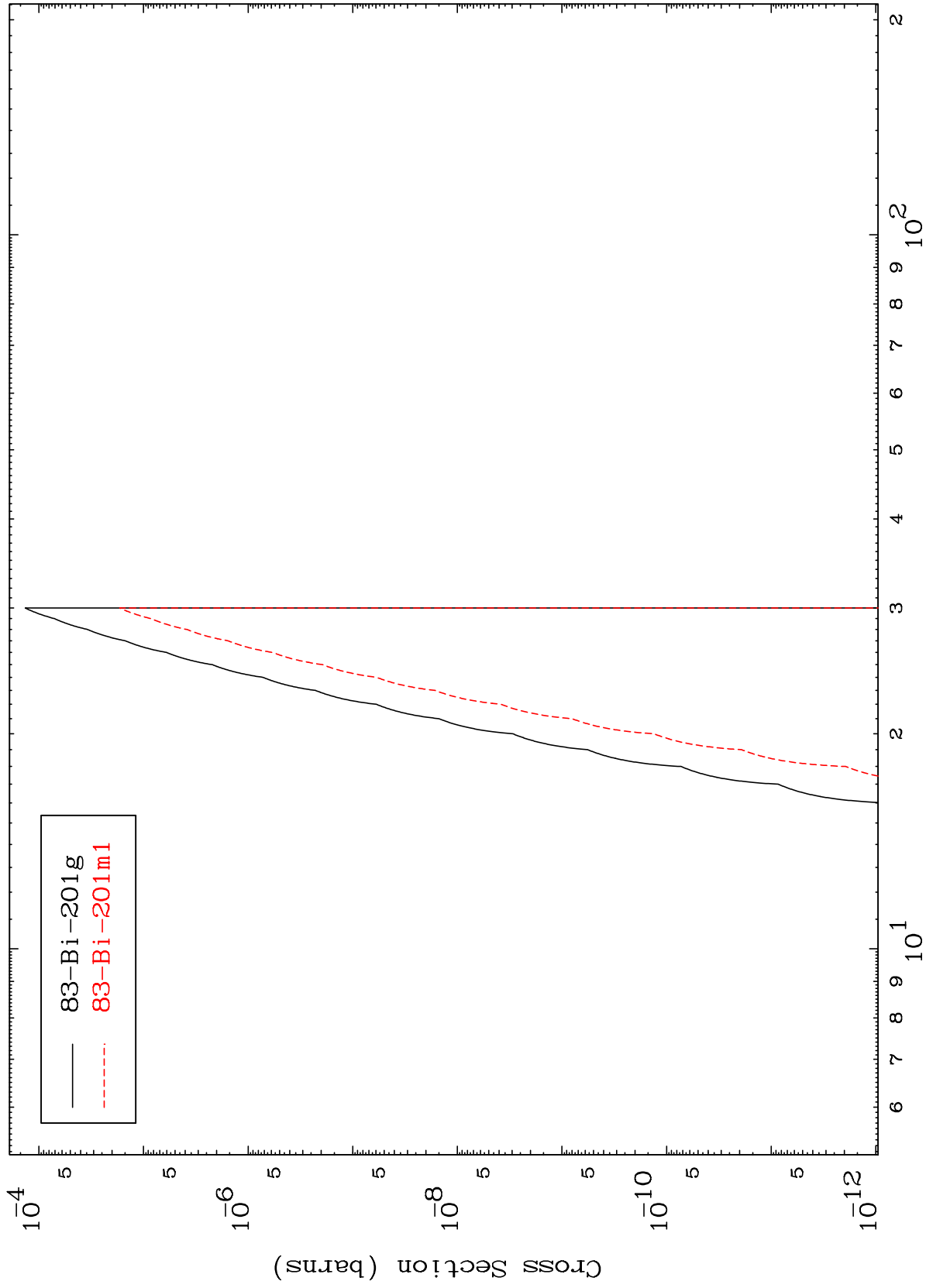
84-Po-201g
84-Po-201m3

MAT 8528

(n, n') He-3

85-At-204

Radionuclide Production Cross Section



42

Incident Energy (MeV)

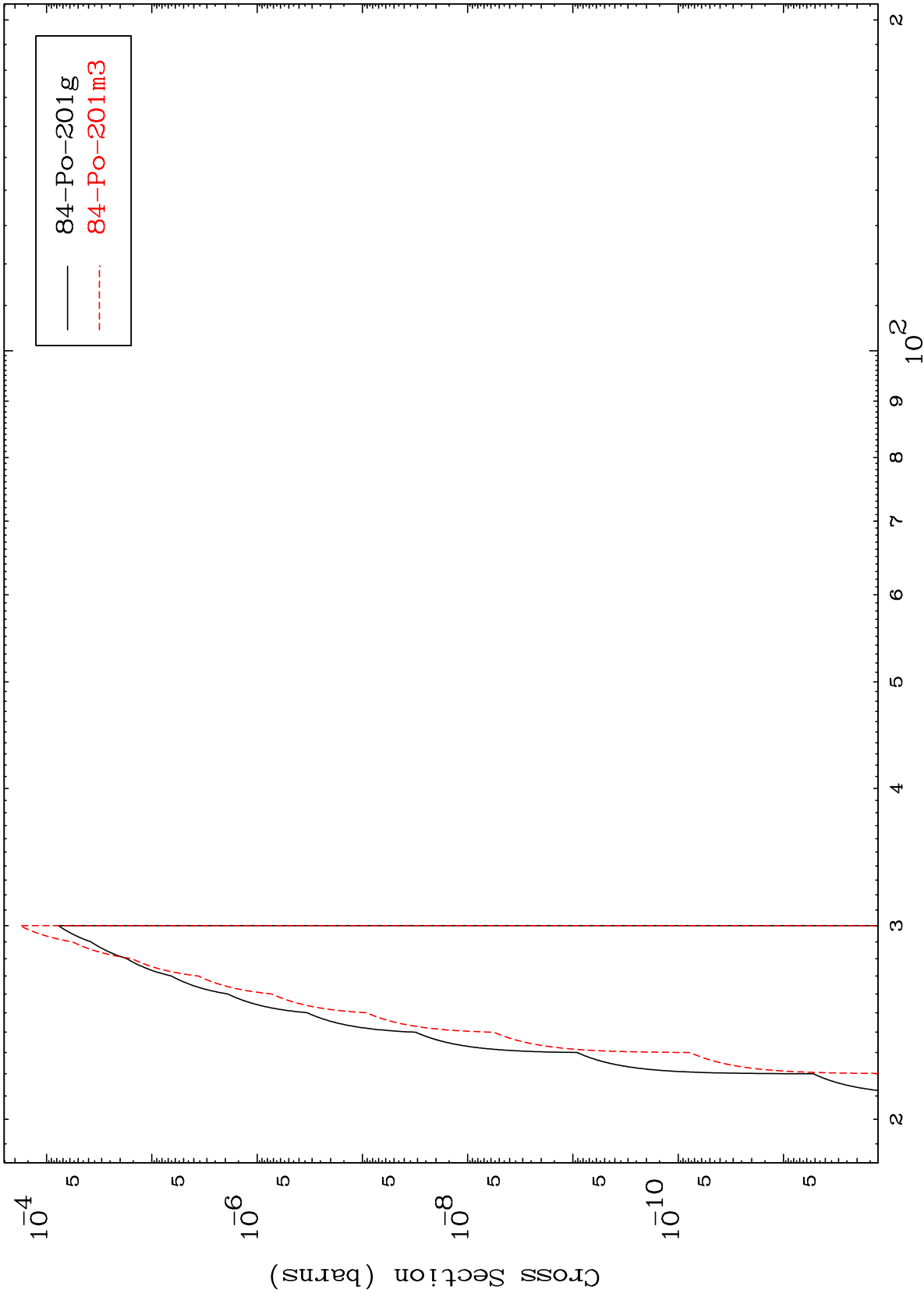
85-At-204

MAT 8528

(n,3n) p

85-At-204

Radionuclide Production Cross Section



43

Incident Energy (MeV)

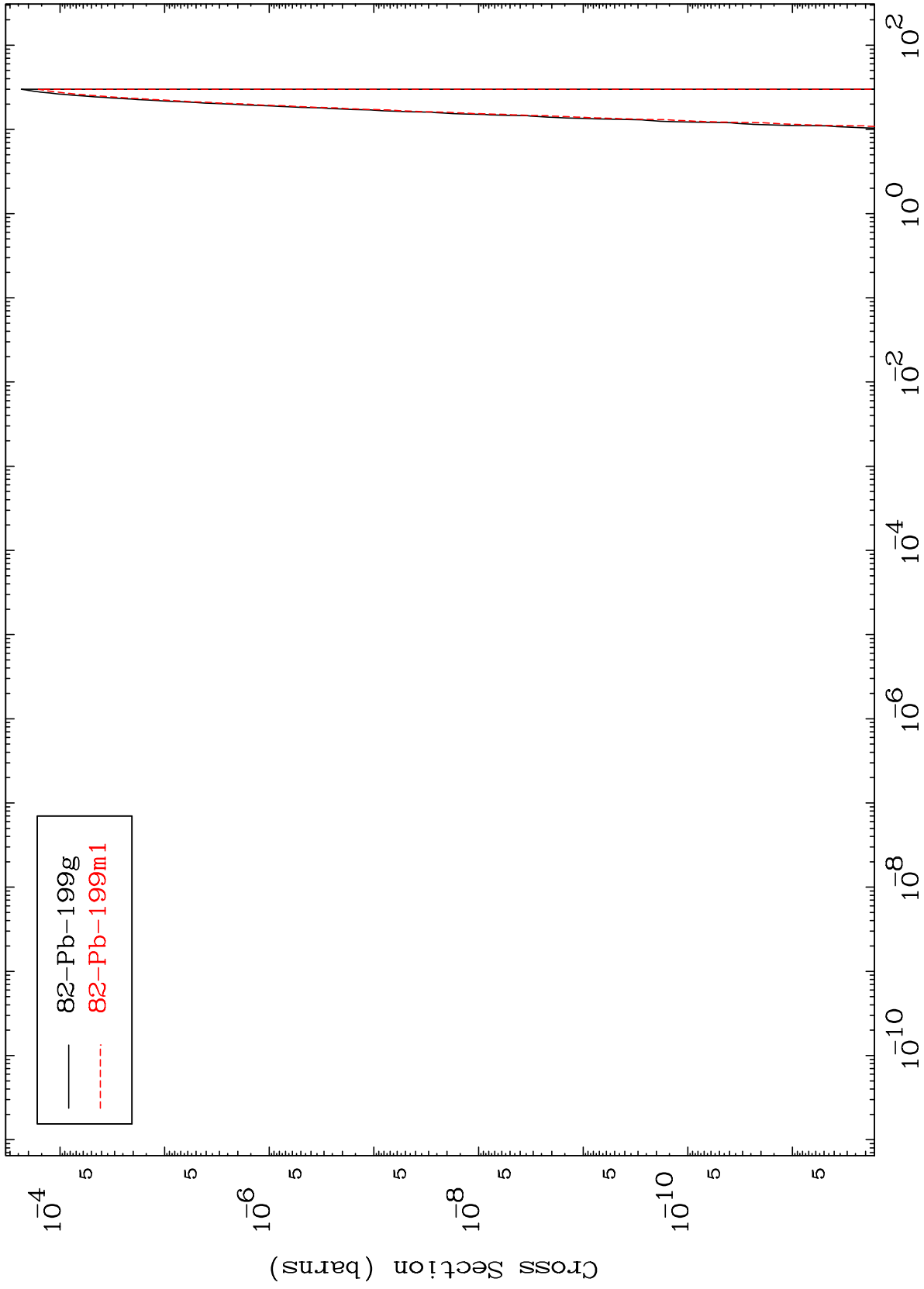
85-At-204

MAT 8528

(n,n') p α

85-At-204

Radionuclide Production Cross Section



44

Incident Energy (MeV)

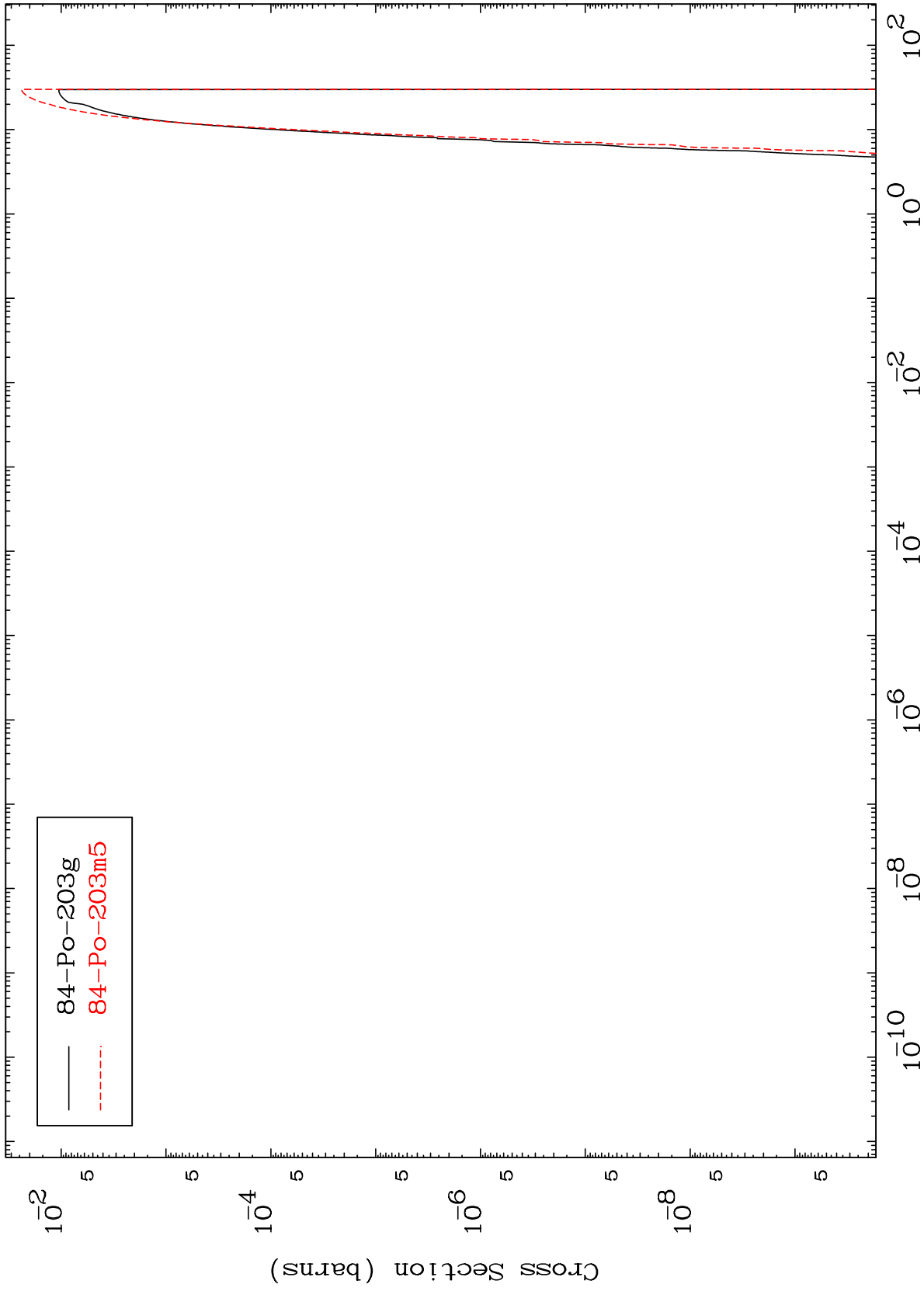
85-At-204

MAT 8528

(n,d)

85-At-204

Radionuclide Production Cross Section



45

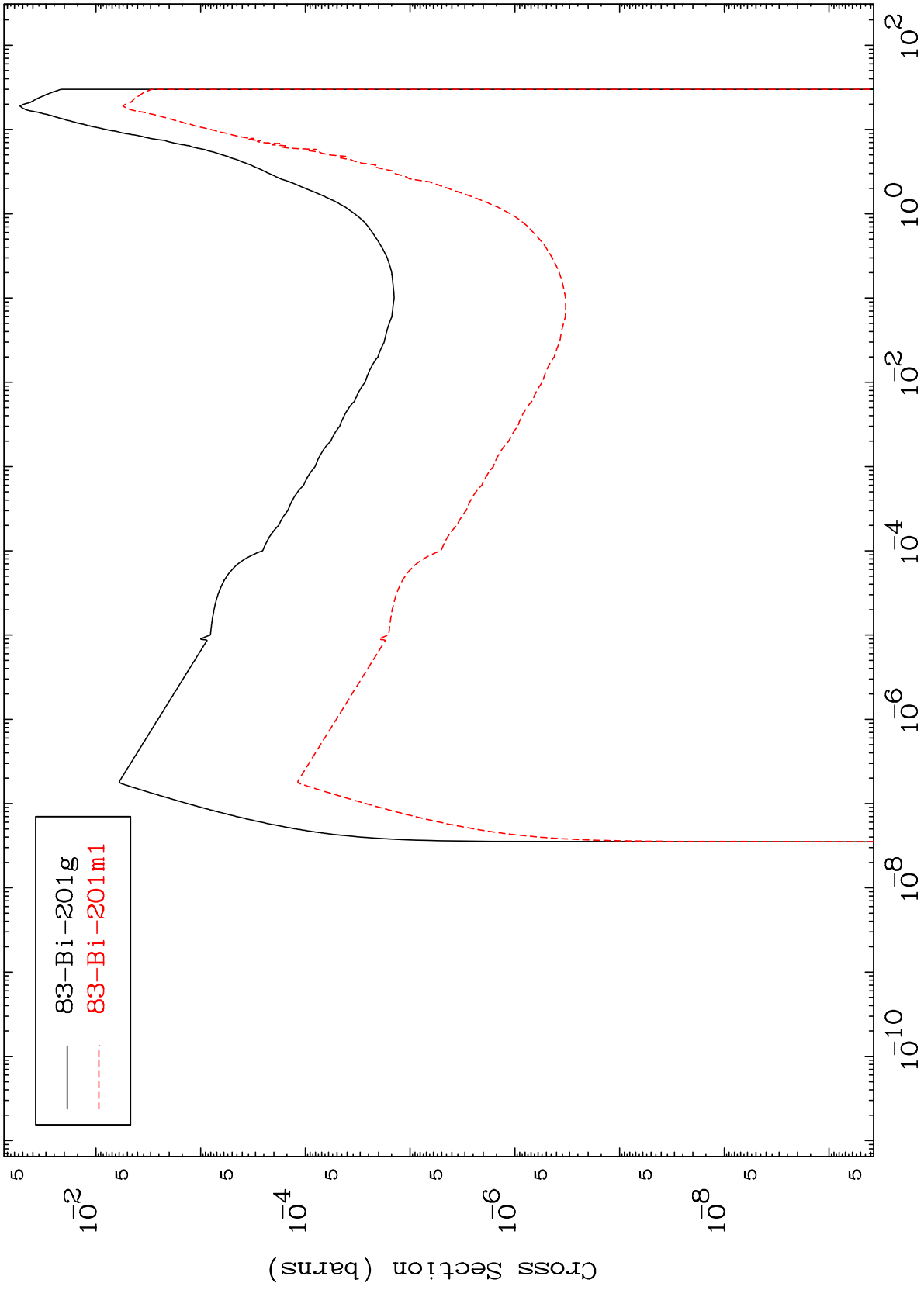
Incident Energy (MeV)

85-At-204

MAT 8528

85-At-204

Radionuclide Production Cross Section
(n,α)



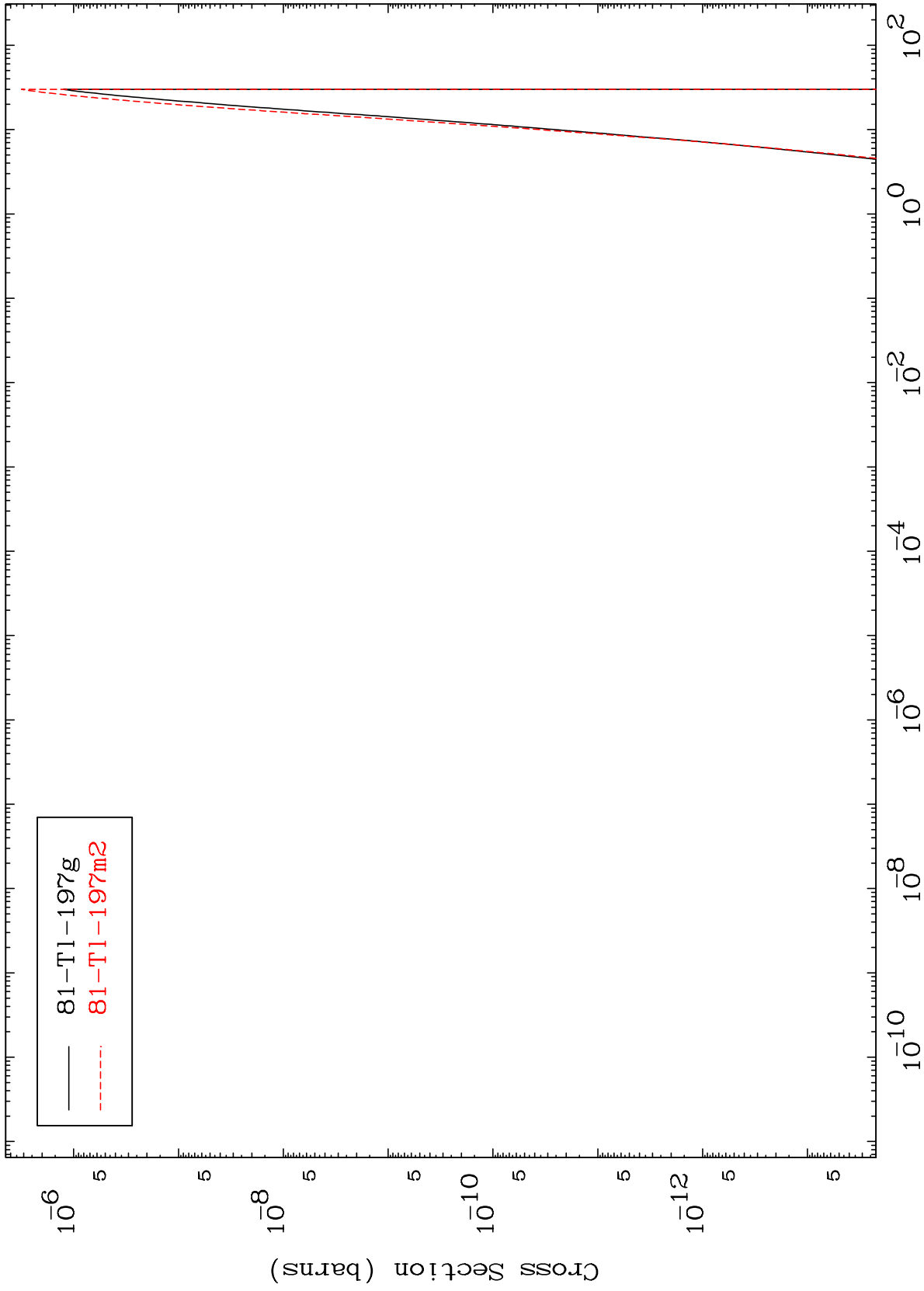
— 83-Bi-201g
- - - 83-Bi-201m1

MAT 8528

(n,2α)

85-At-204

Radionuclide Production Cross Section



47

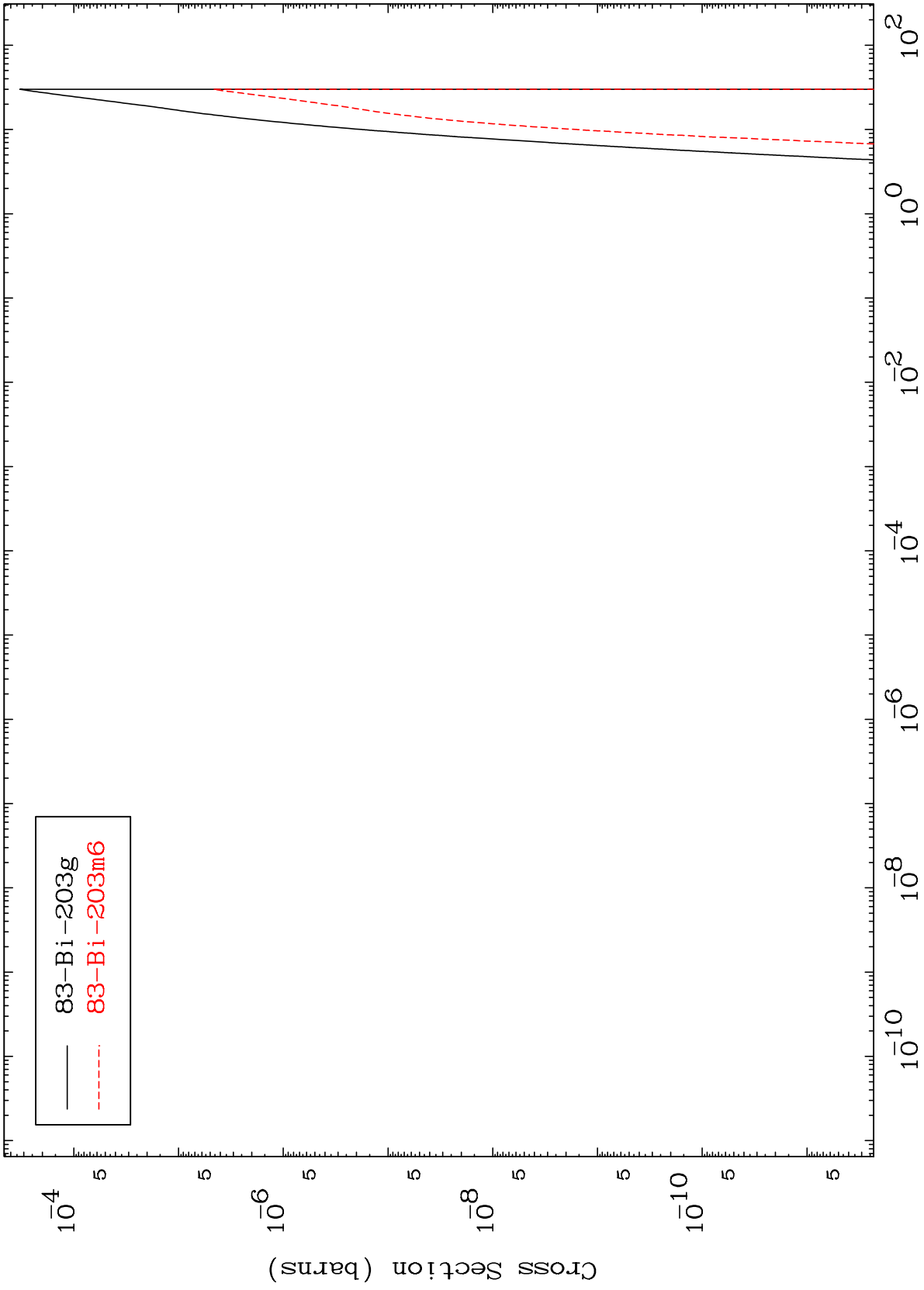
Incident Energy (MeV)

85-At-204

MAT 8528

(n,2p)
Radionuclide Production Cross Section

85-At-204



48

Incident Energy (MeV)

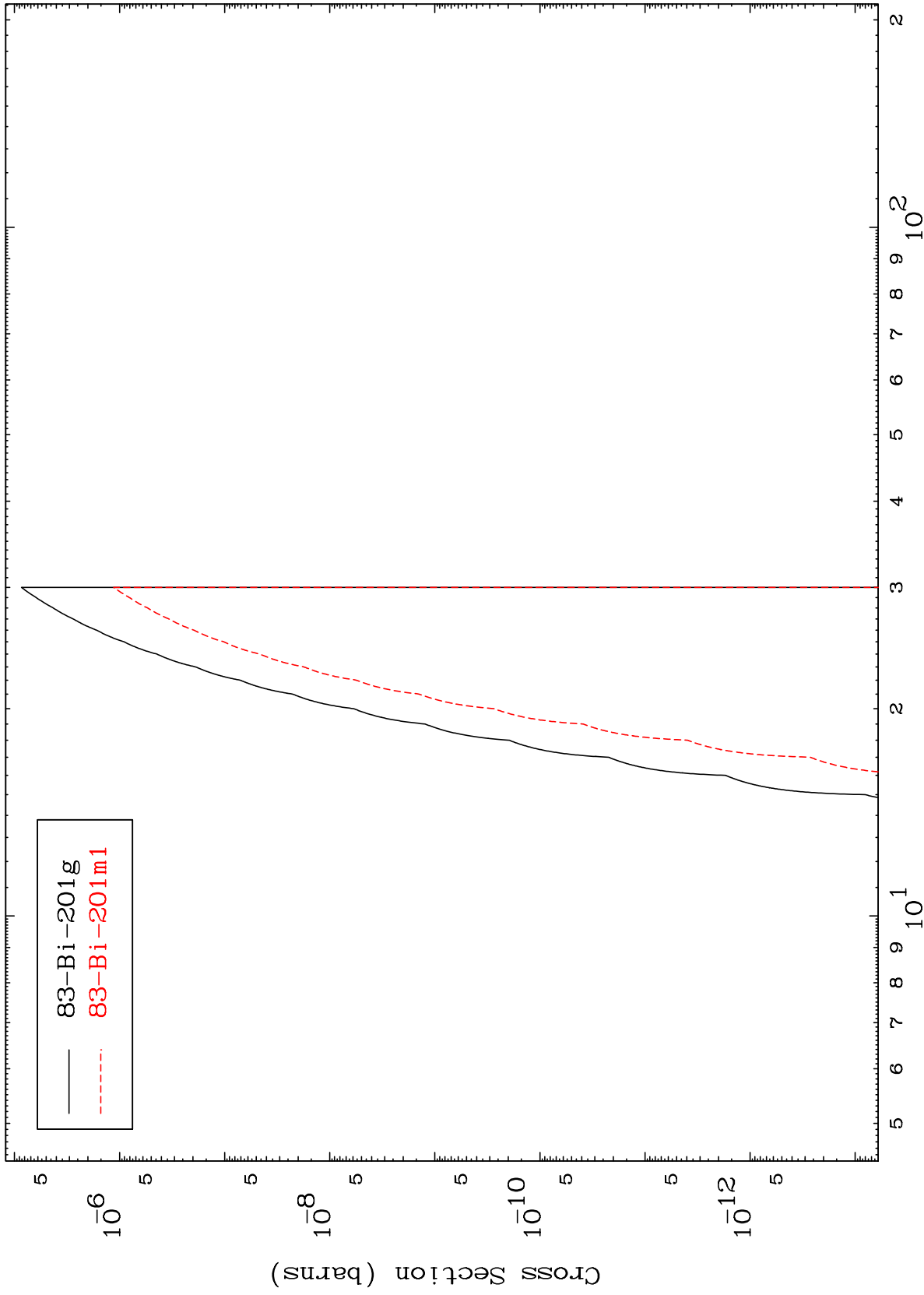
85-At-204

MAT 8528

(n,p) t

85-At-204

Radionuclide Production Cross Section



49

Incident Energy (MeV)

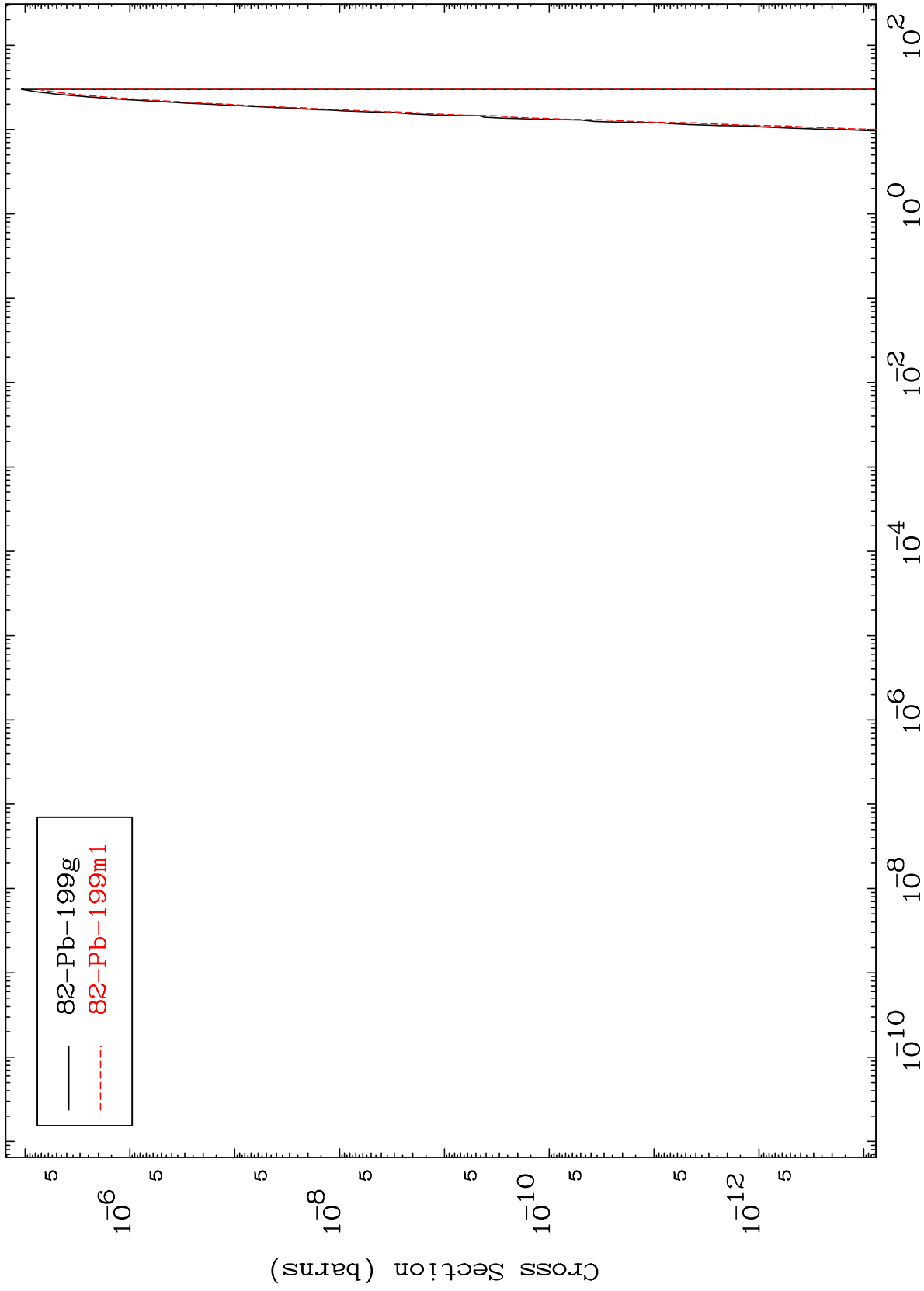
85-At-204

MAT 8528

(n,d) α

85-At-204

Radionuclide Production Cross Section



50

Incident Energy (MeV)

85-At-204