

Program EVALPLOT
(Version 2018-1)

by

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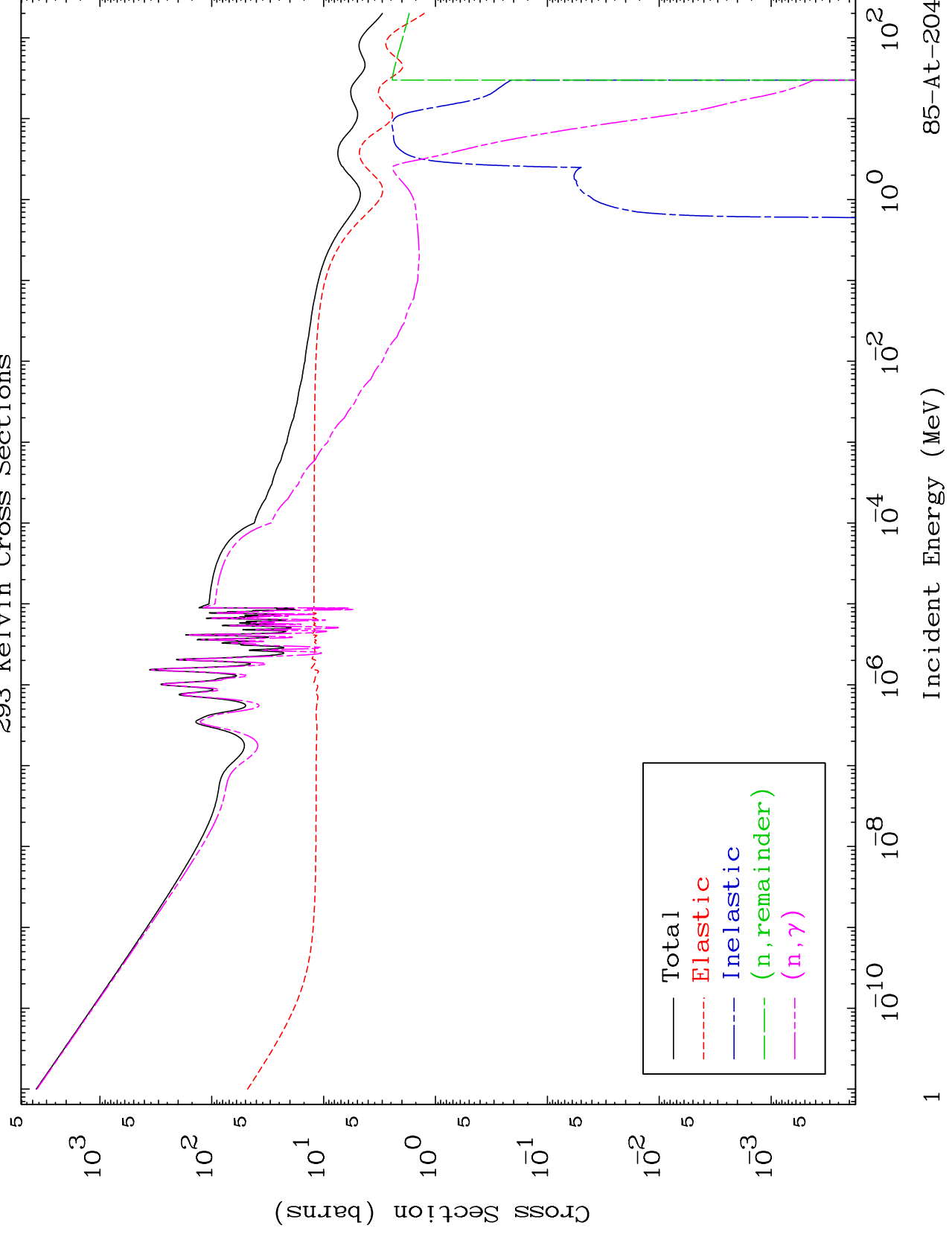
Press Mouse Button to Start

MAT 8528

Major

293 Kelvin Cross Sections

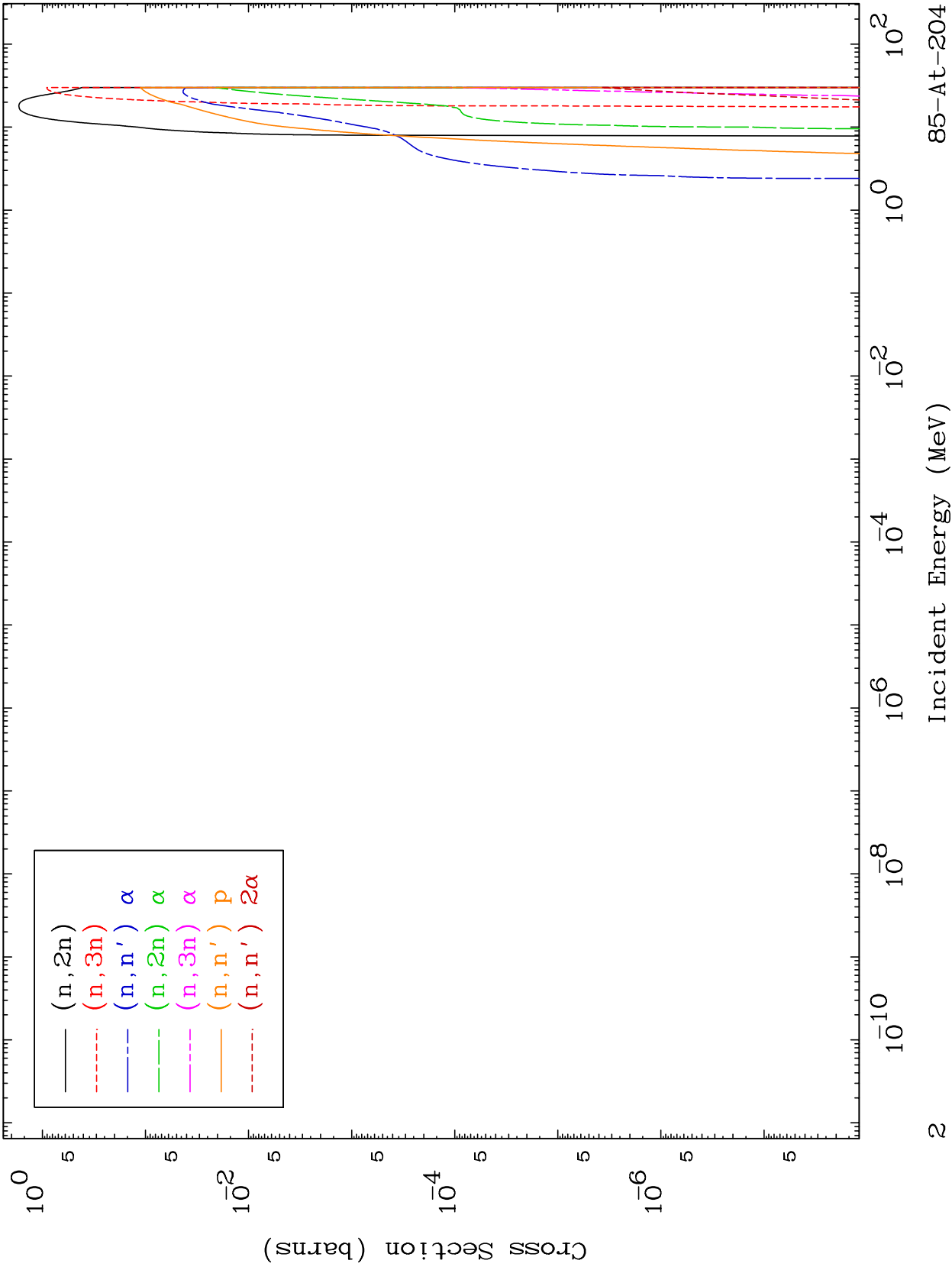
85-At-204



MAT 8528

Neutron Production
293 Kelvin Cross Sections

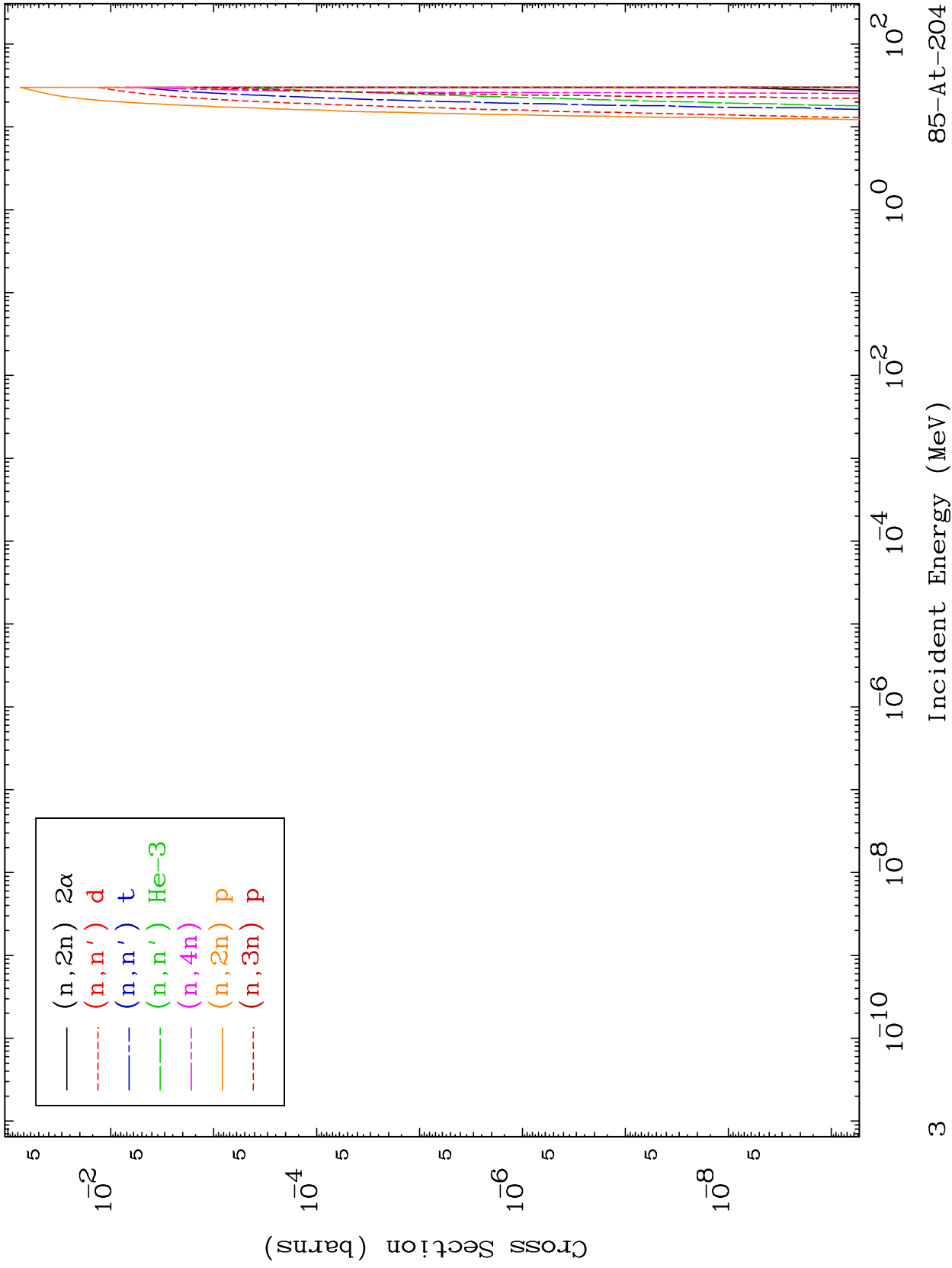
85-At-204



MAT 8528

Neutron Production
293 Kelvin Cross Sections

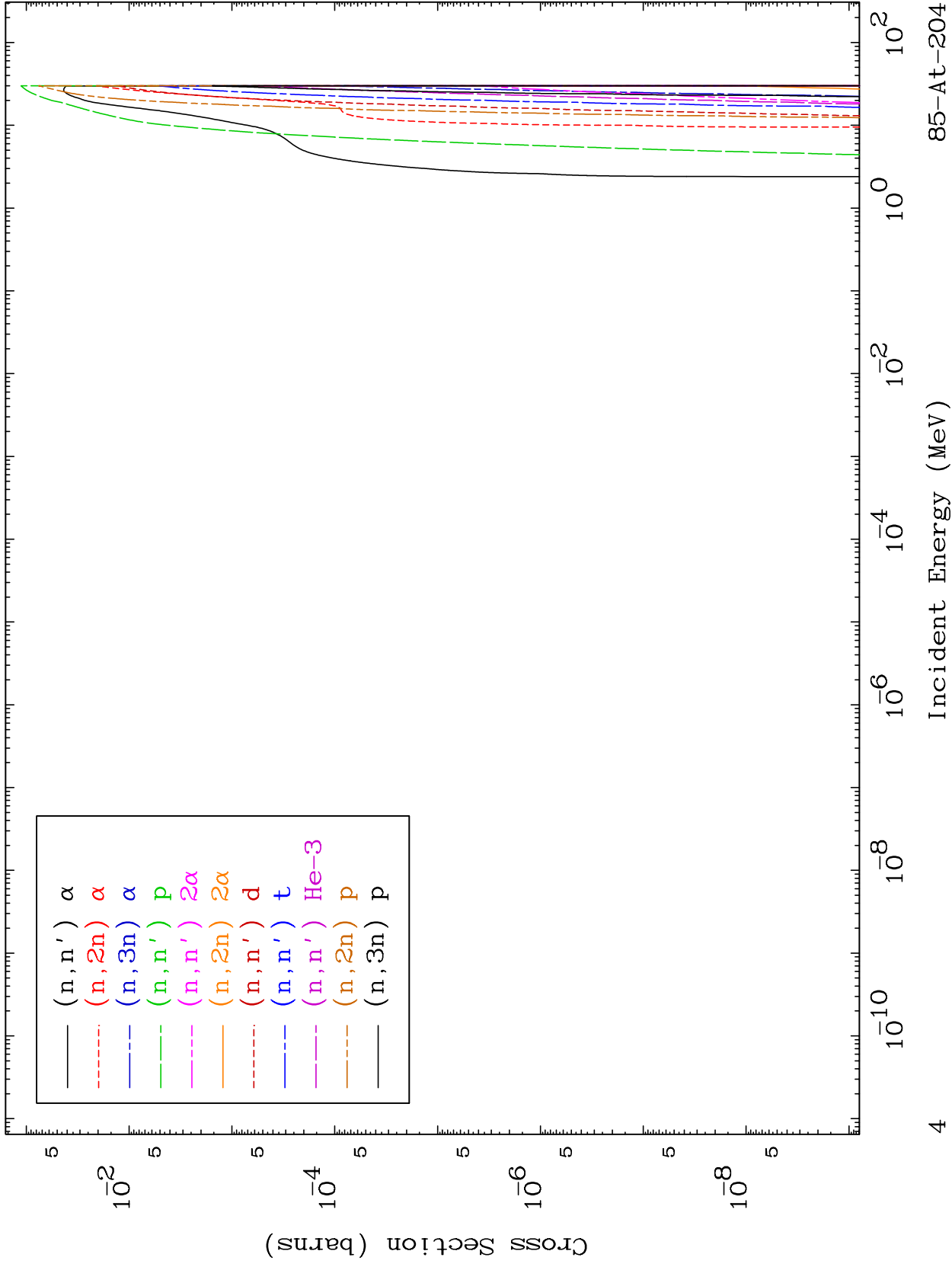
85-At-204



MAT 8528

Charged Particle
293 Kelvin Cross Sections

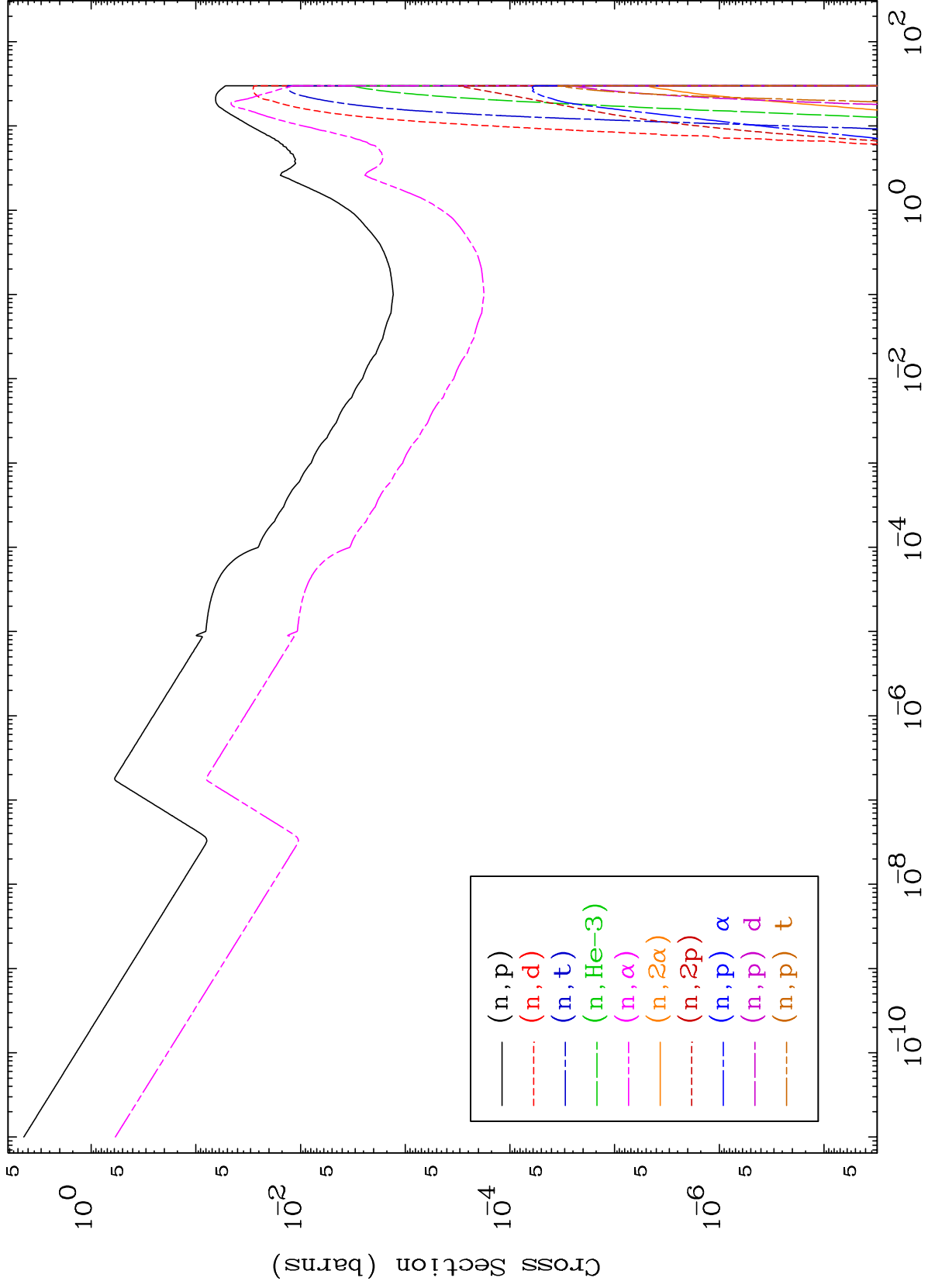
85-At-204



MAT 8528

Charged Particle
293 Kelvin Cross Sections

85-At-204



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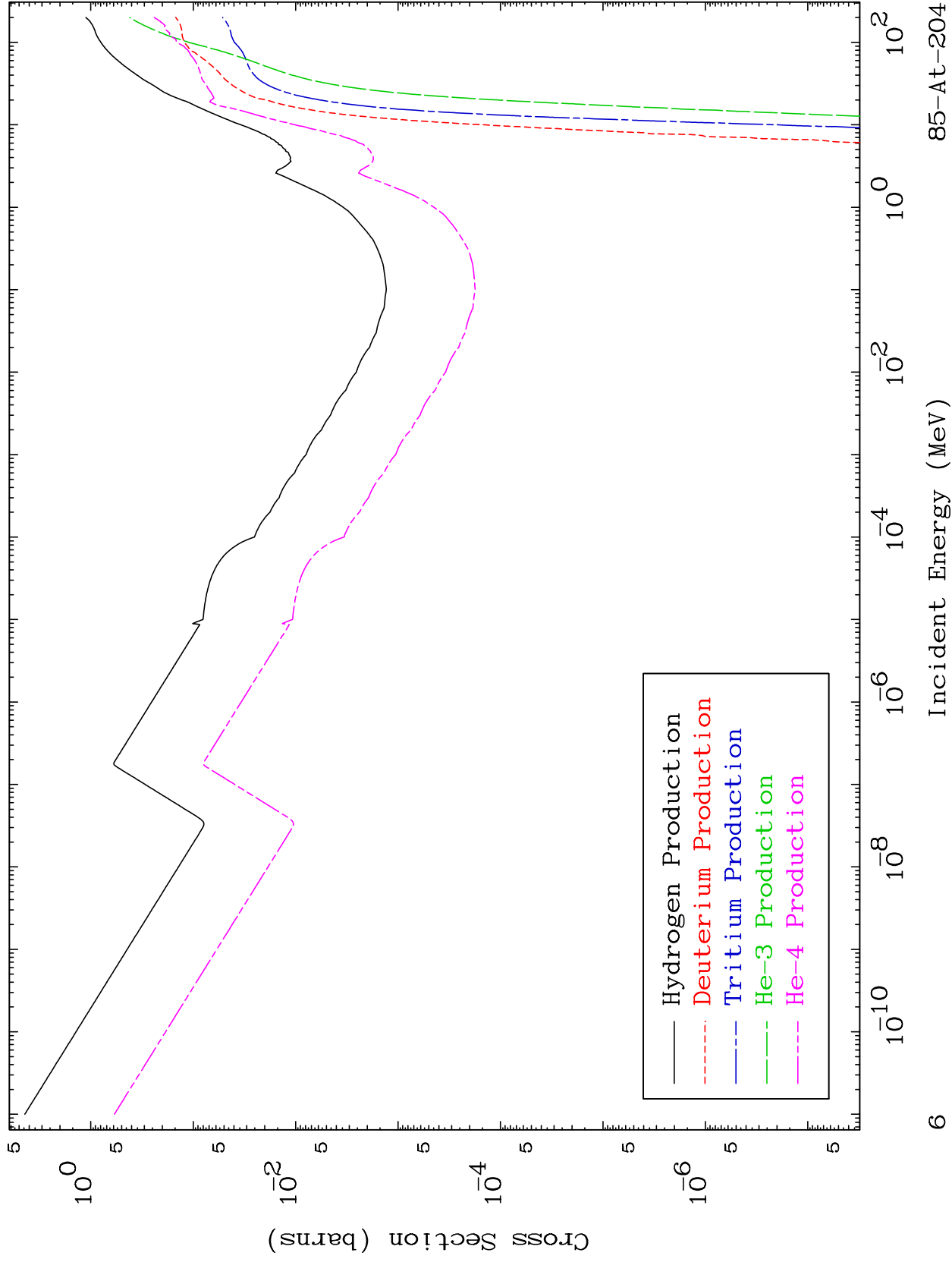
Incident Energy (MeV)

85-At-204

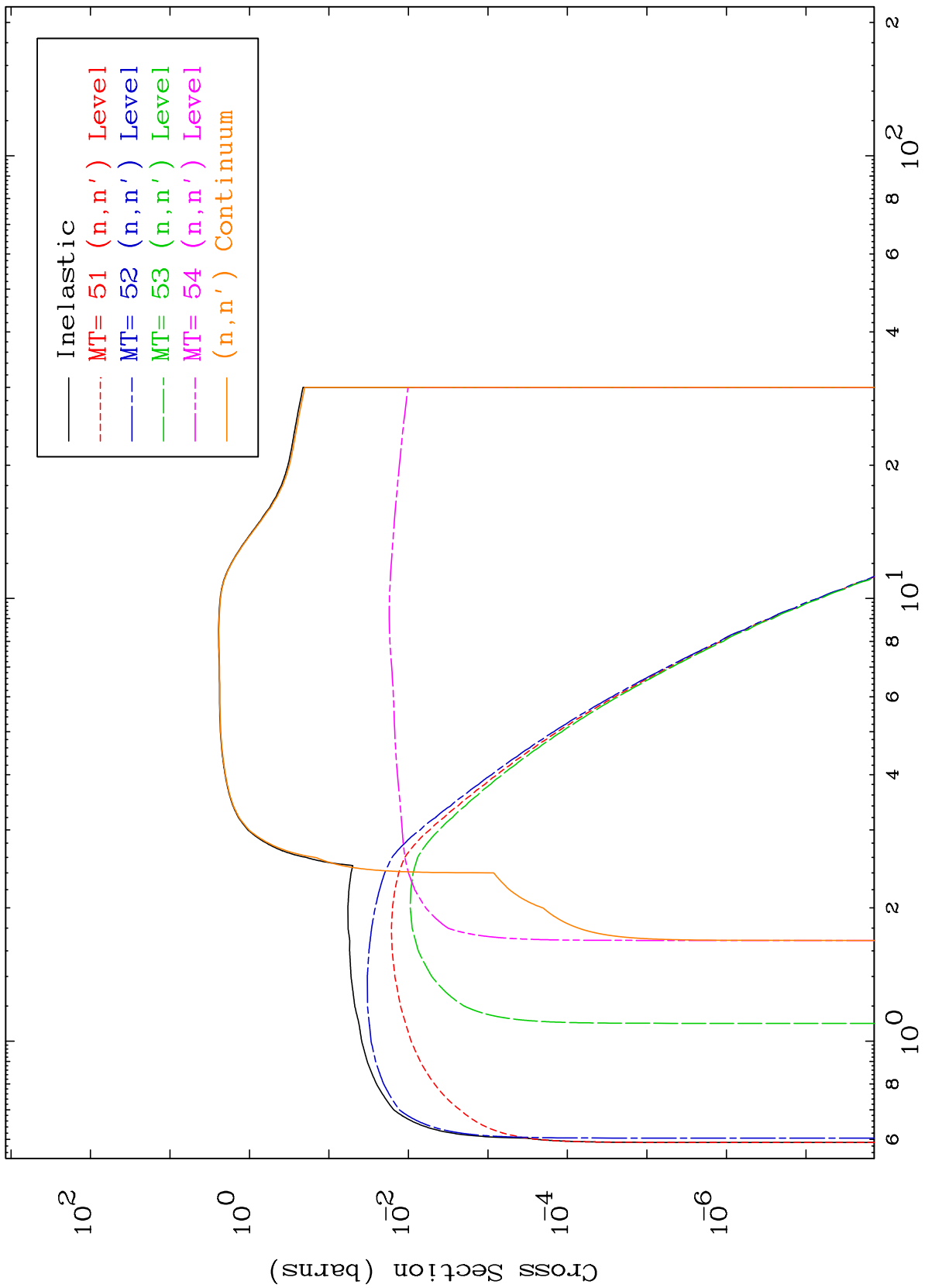
MAT 8528

Particle Production
293 Kelvin Cross Sections

85-At-204



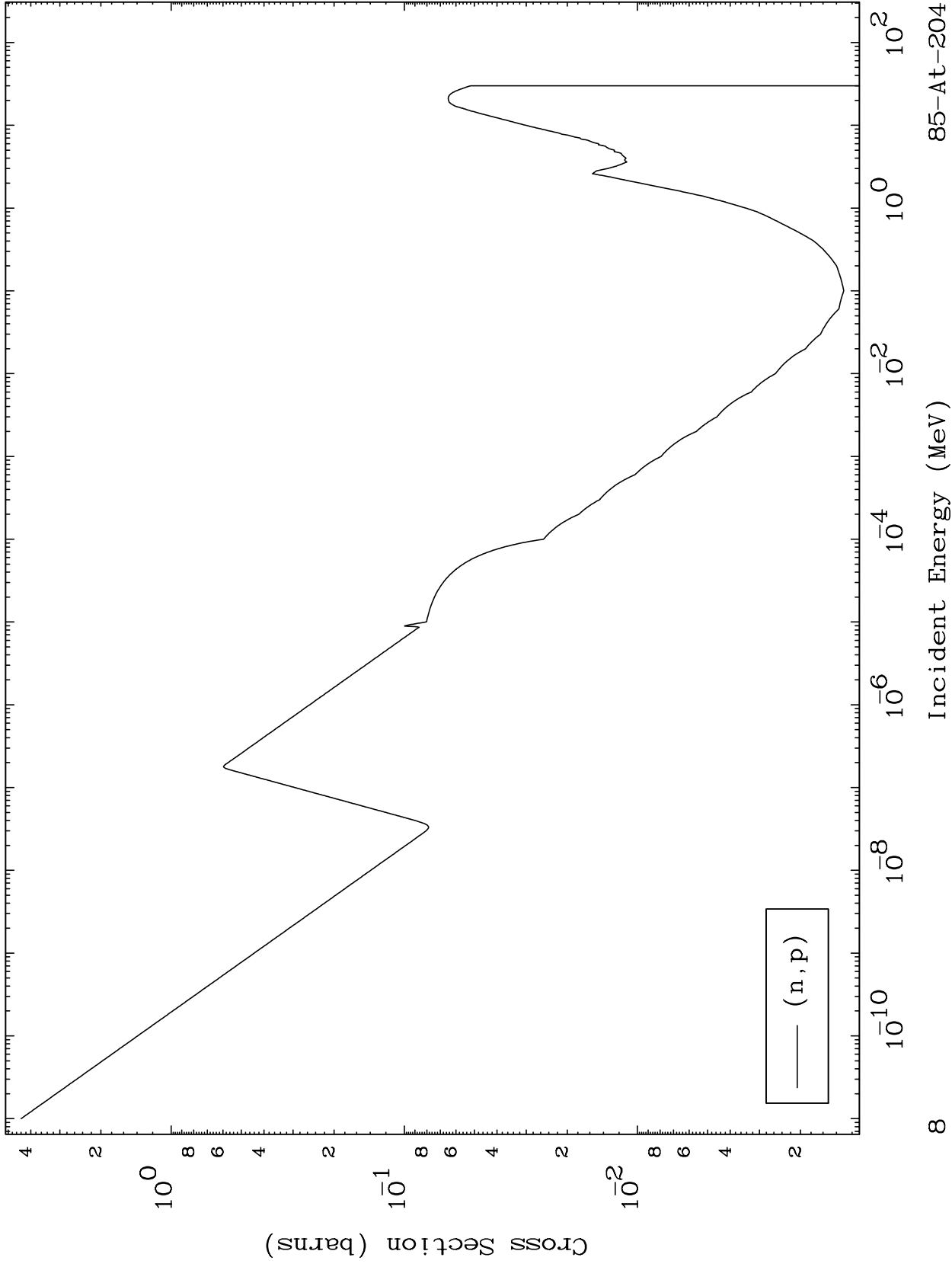
293 Kelvin Cross Sections



MAT 8528

(n,p) Levels
293 Kelvin Cross Sections

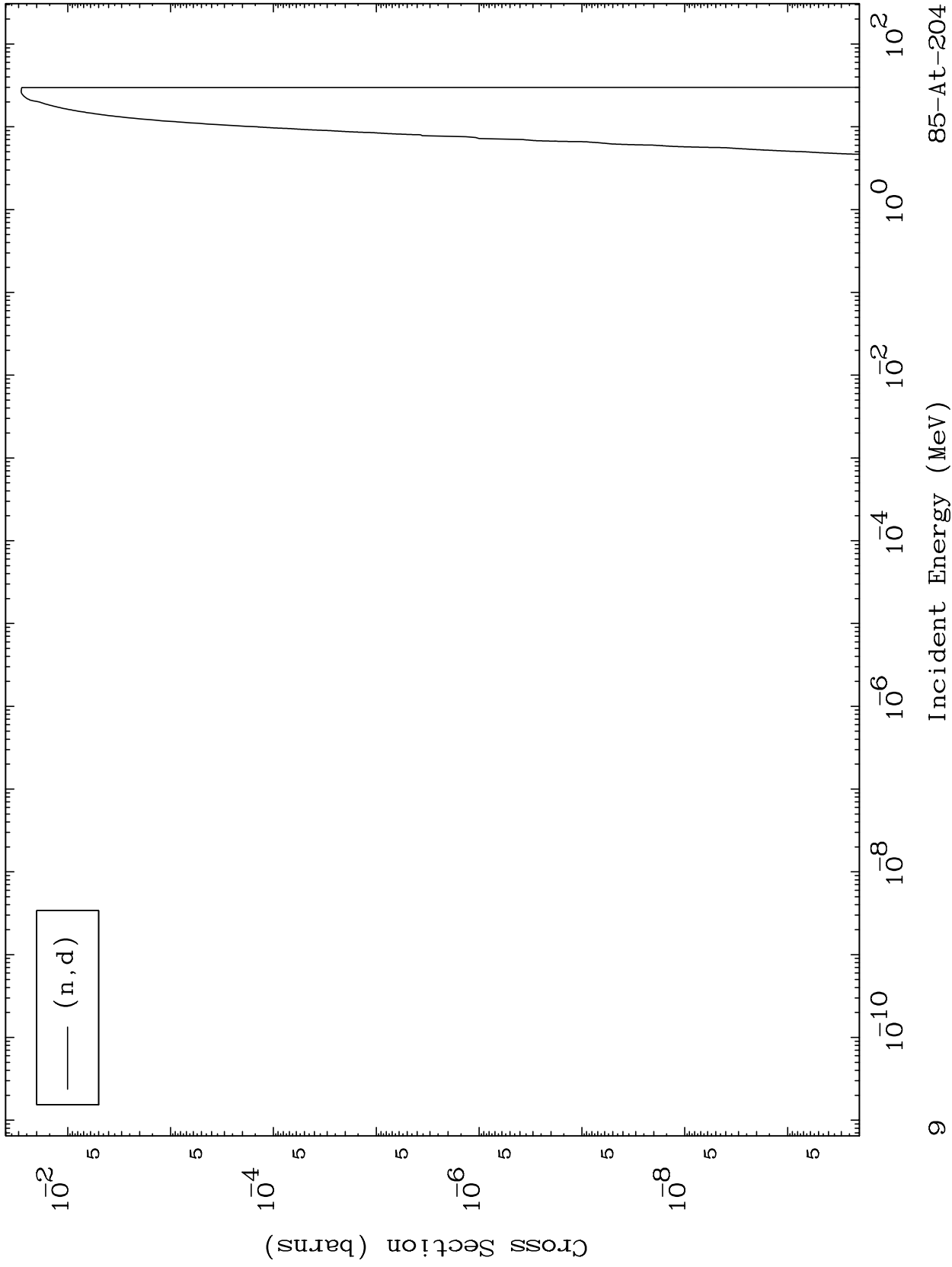
85-At-204



MAT 8528

(n,d) Levels
293 Kelvin Cross Sections

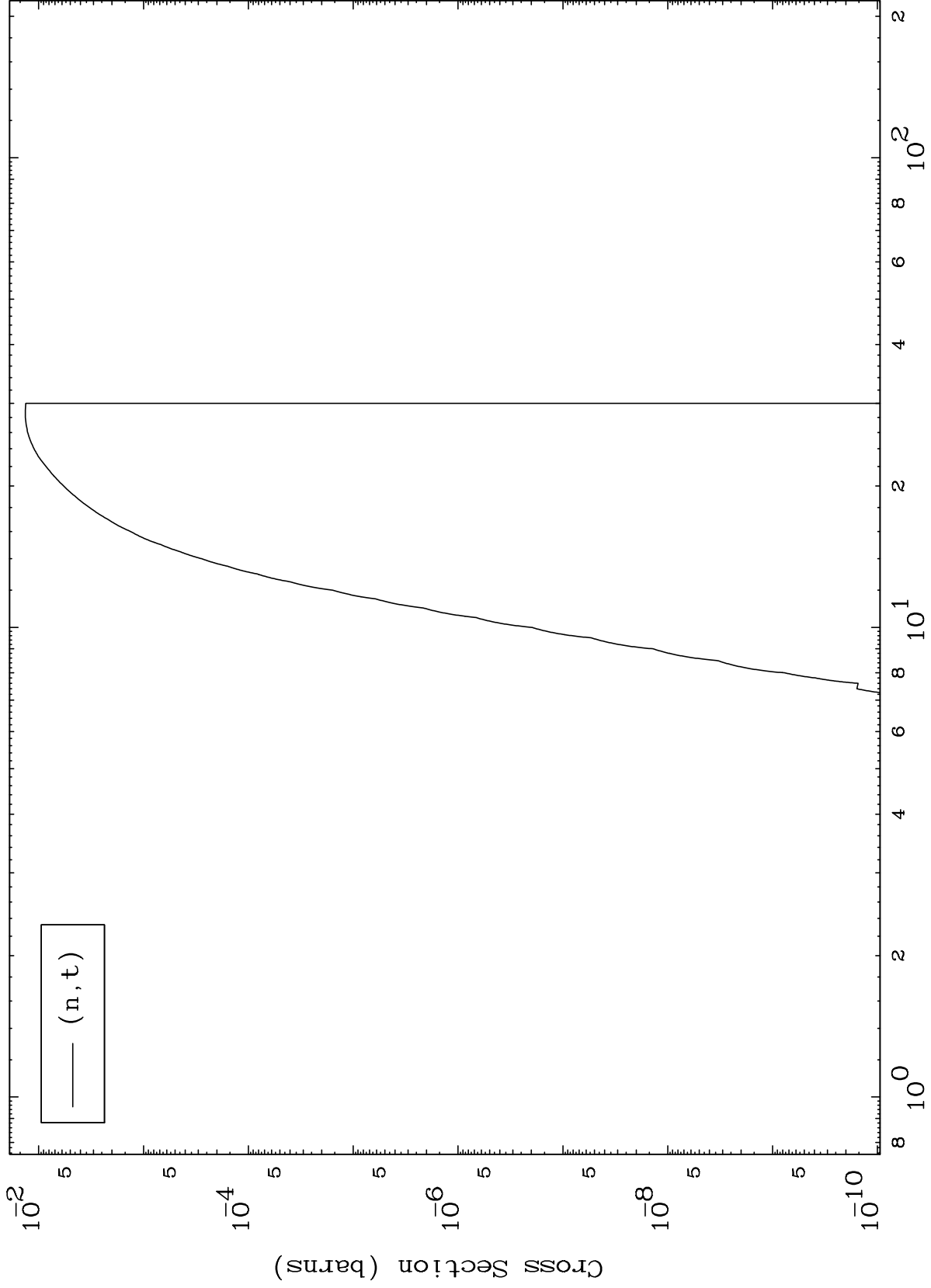
85-At-204



MAT 8528

(n,t) Levels
293 Kelvin Cross Sections

85-At-204



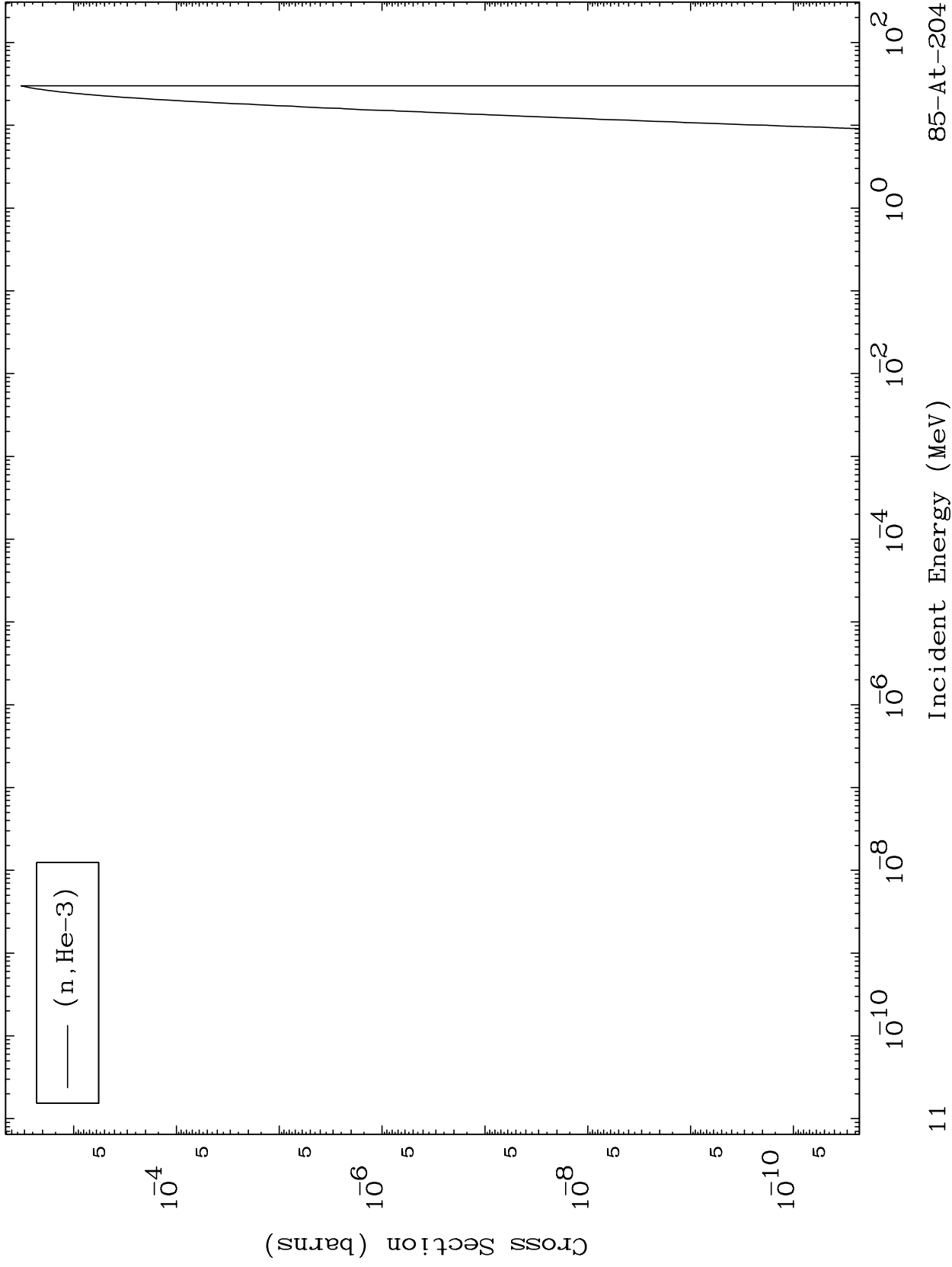
Incident Energy (MeV)

85-At-204

MAT 8528

(n,He3) Levels
293 Kelvin Cross Sections

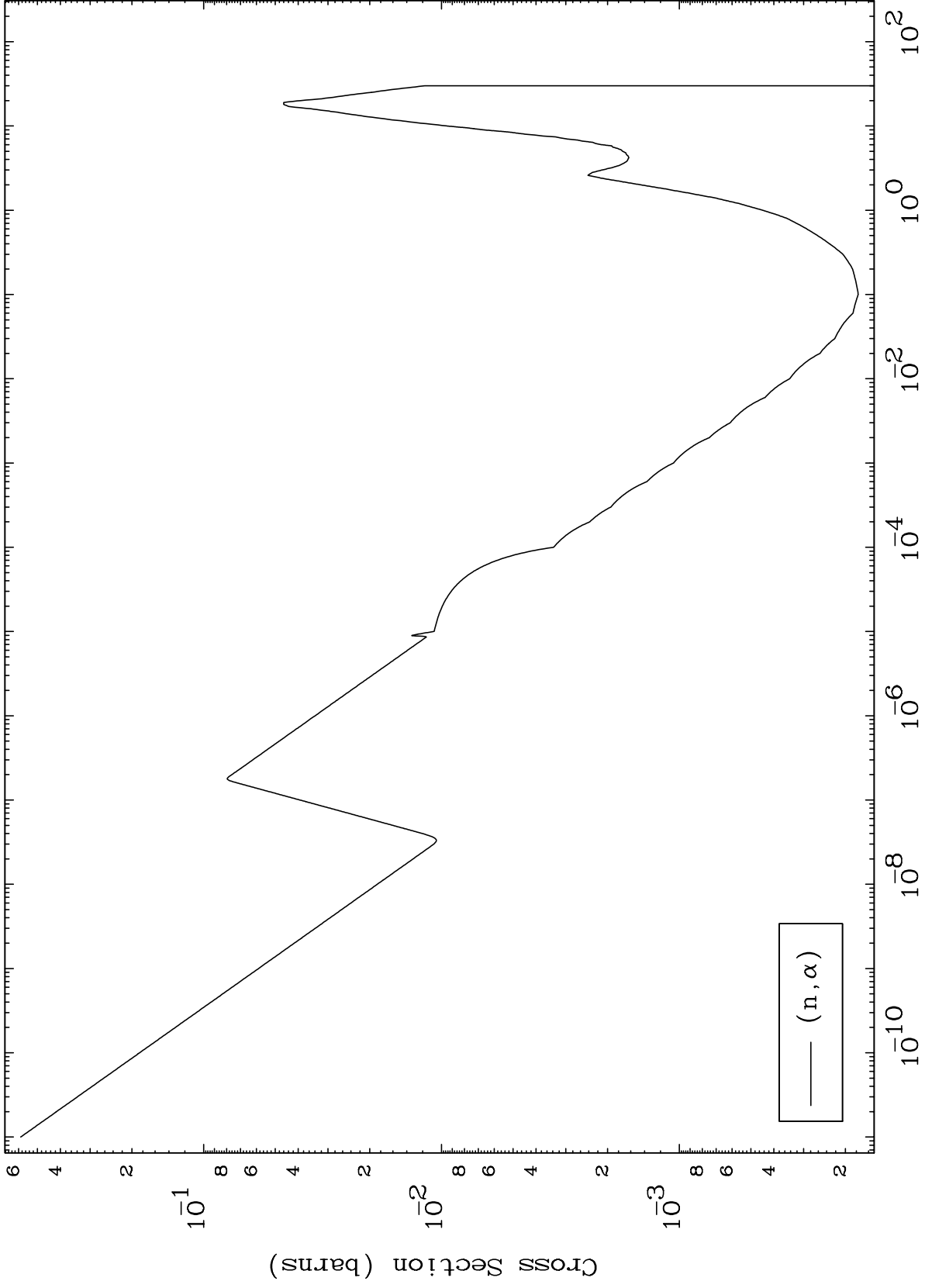
85-At-204



MAT 8528

(n, α) Levels
293 Kelvin Cross Sections

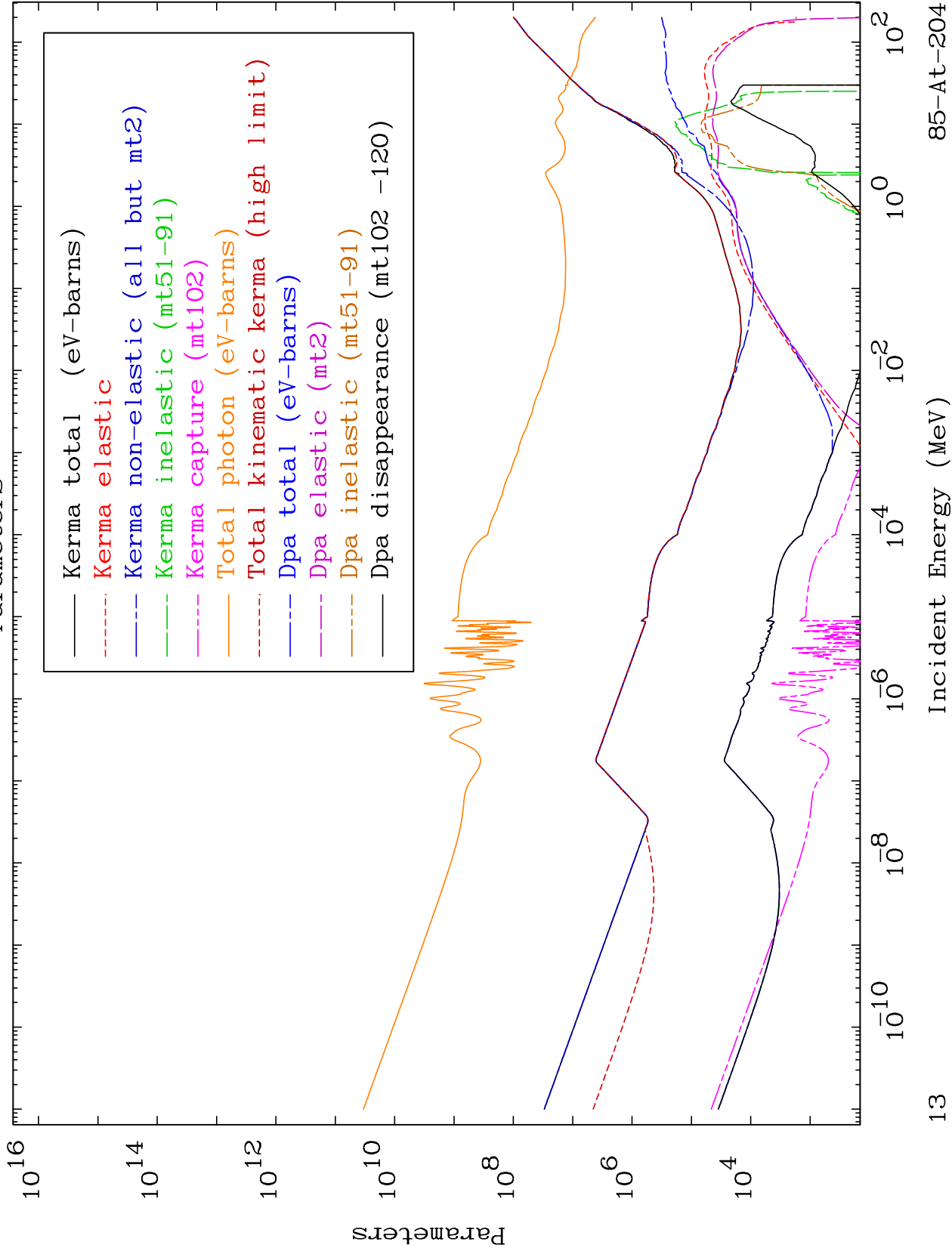
85-At-204



12

Incident Energy (MeV)

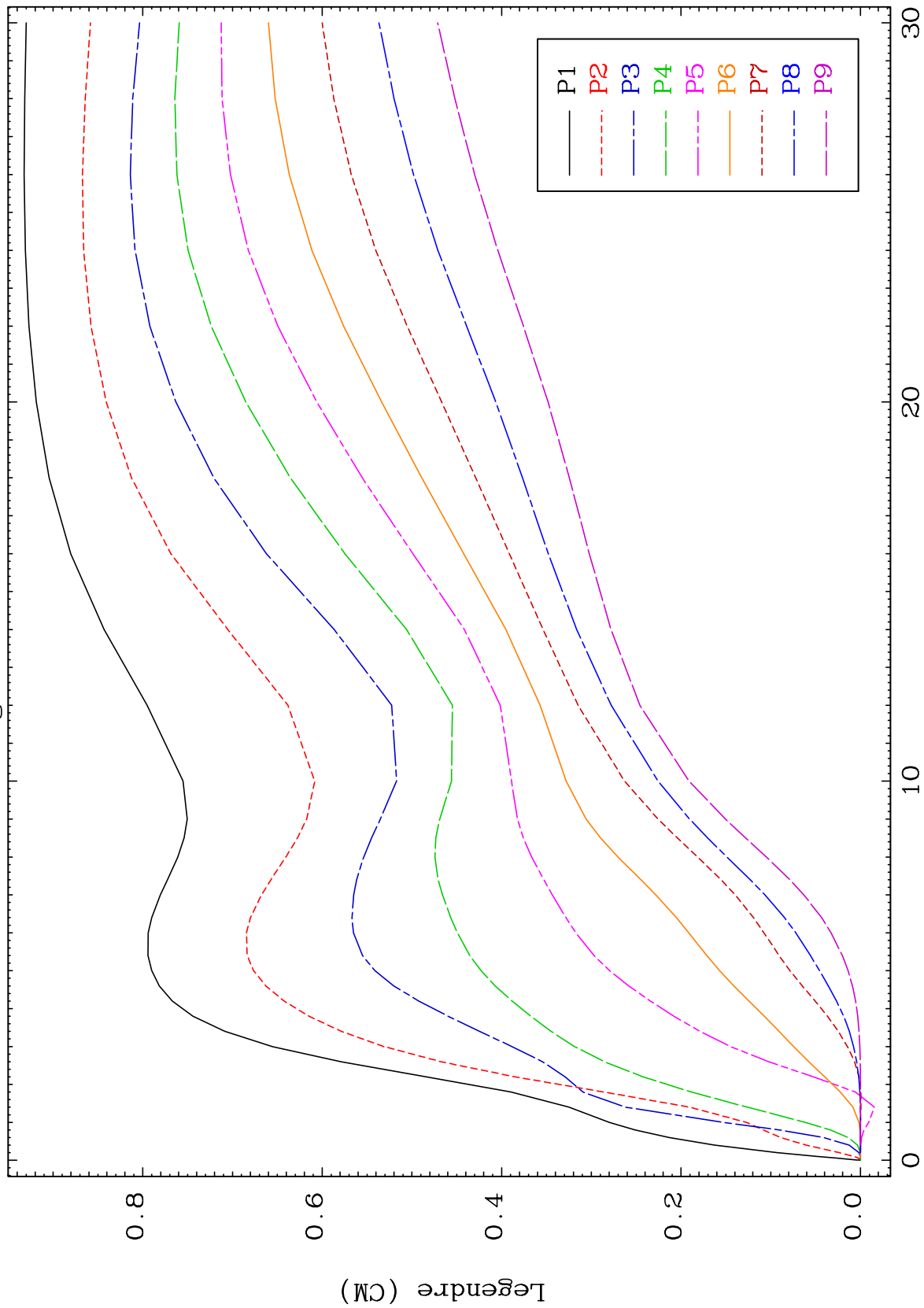
85-At-204



MAT 8528

Elastic Legendre Coefficients

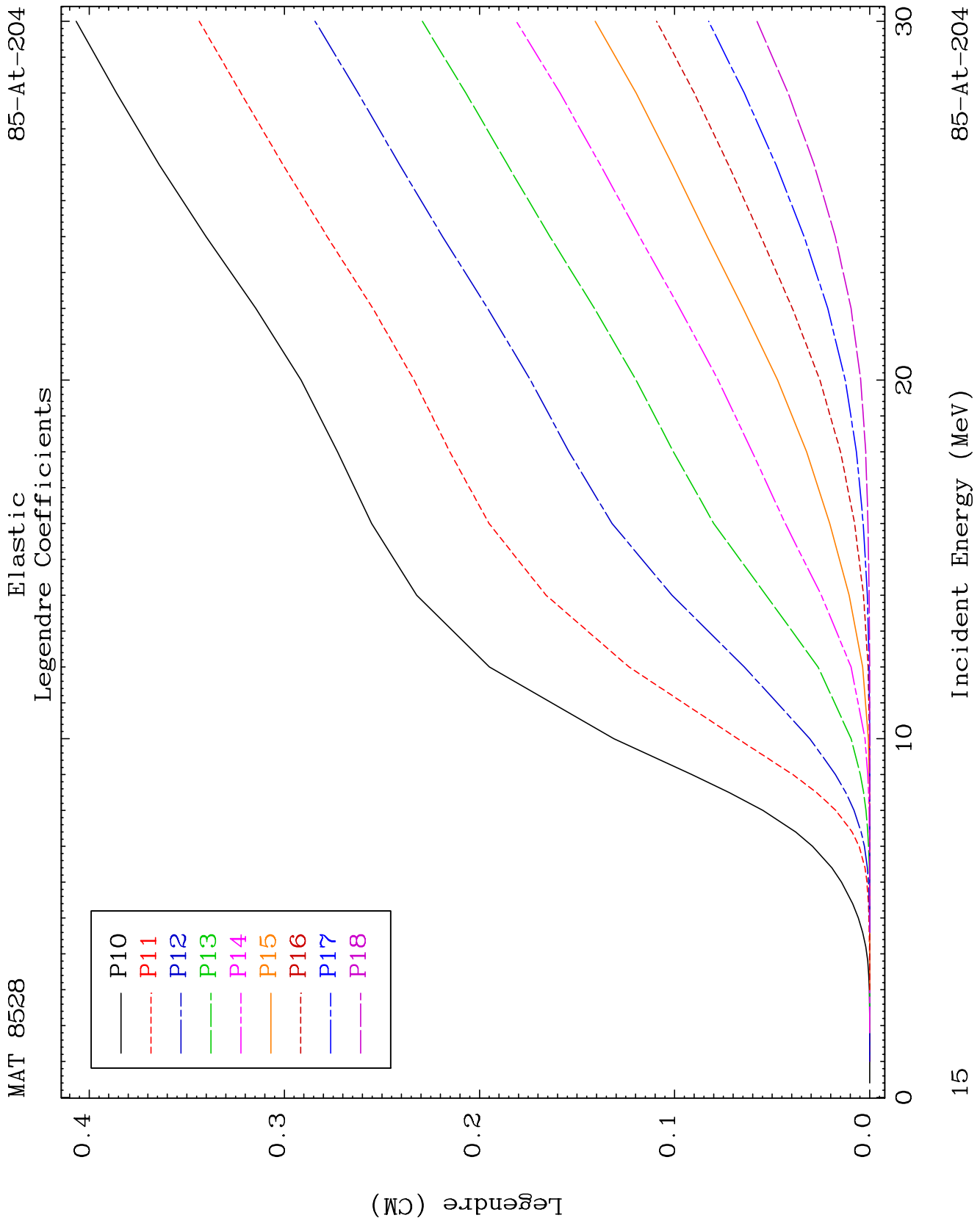
85-At-204



14

Incident Energy (MeV)

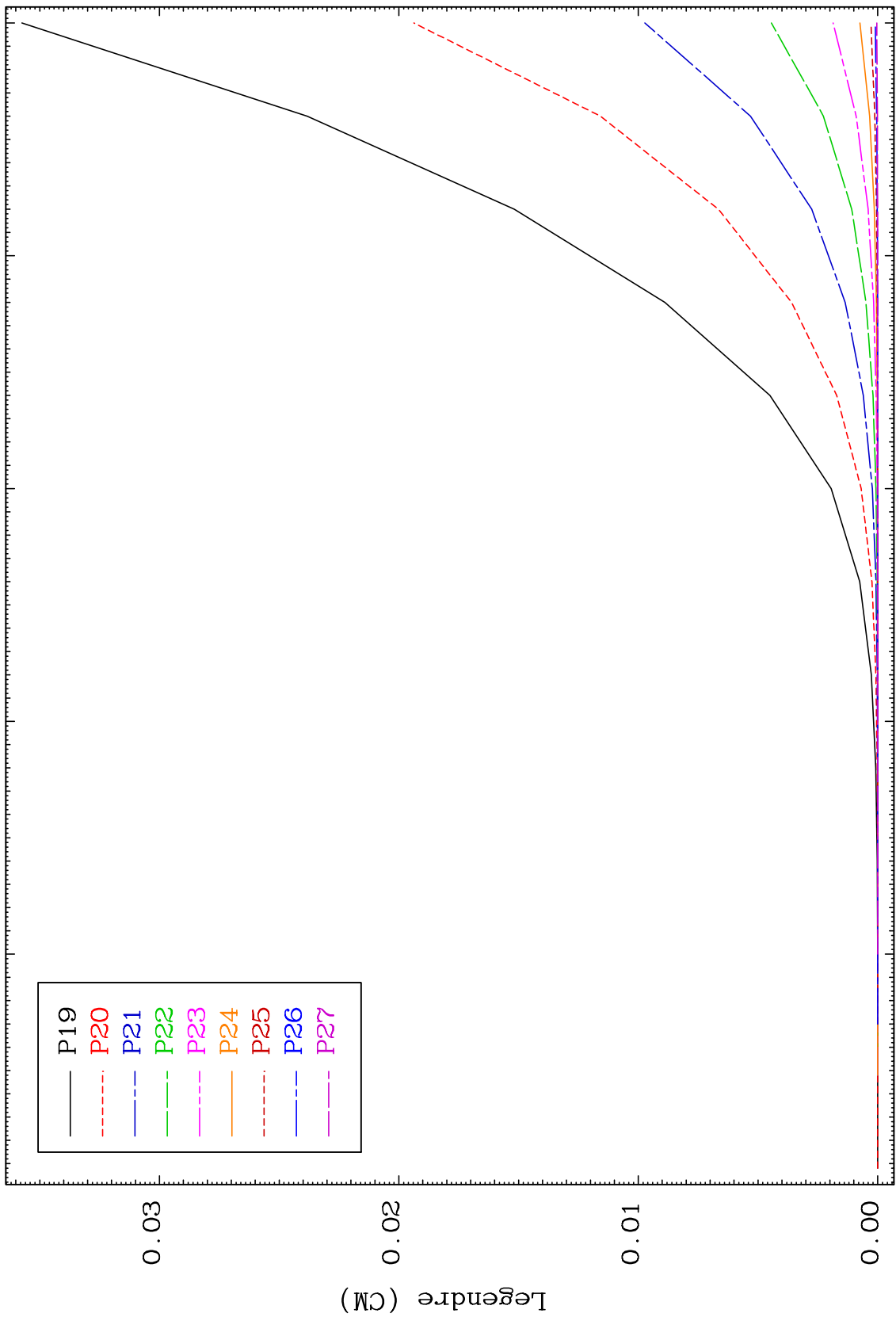
85-At-204



MAT 8528

Elastic Legendre Coefficients

85-At-204



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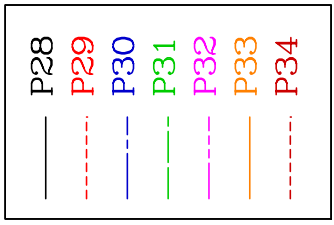
Incident Energy (MeV)

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

10

15

20

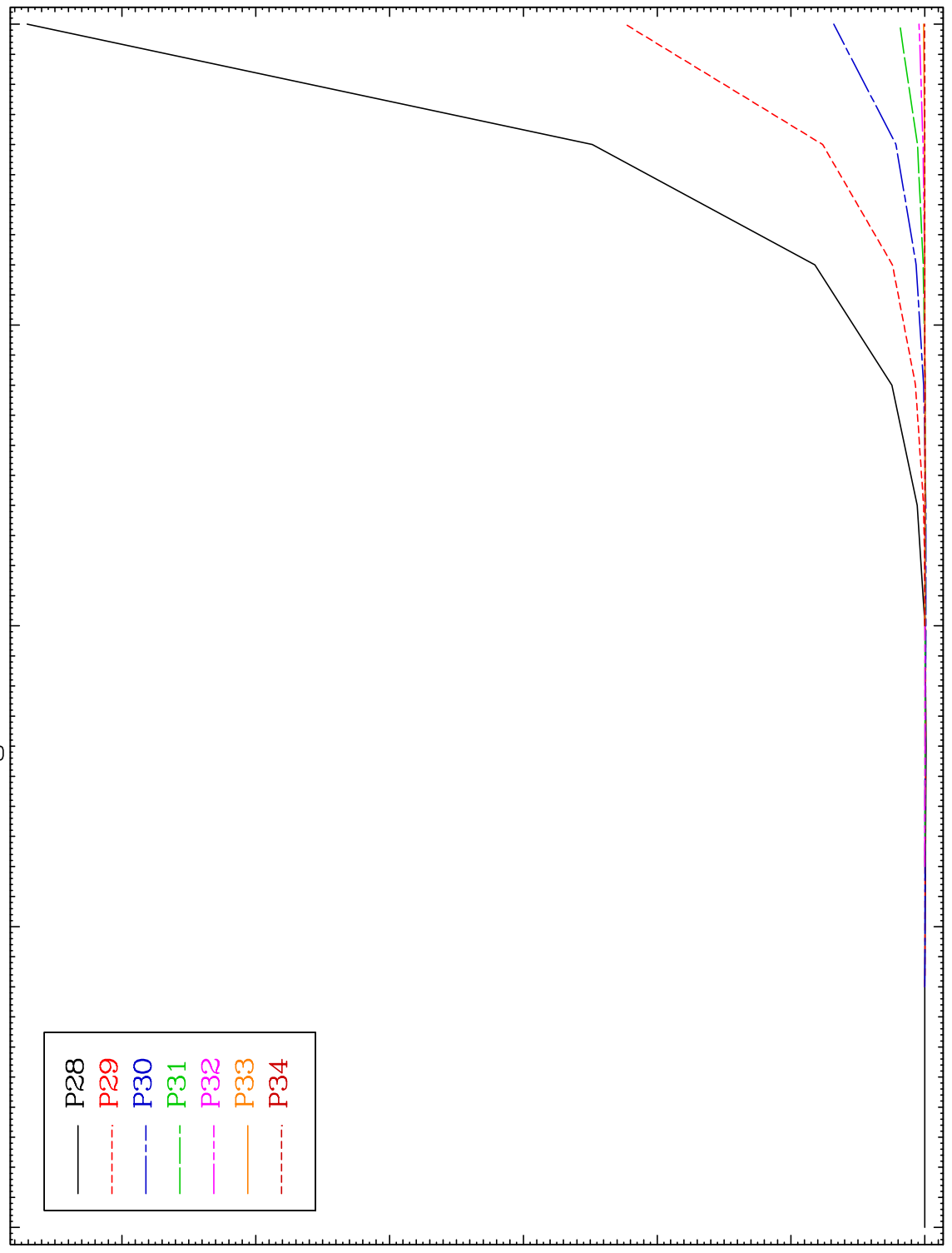
25

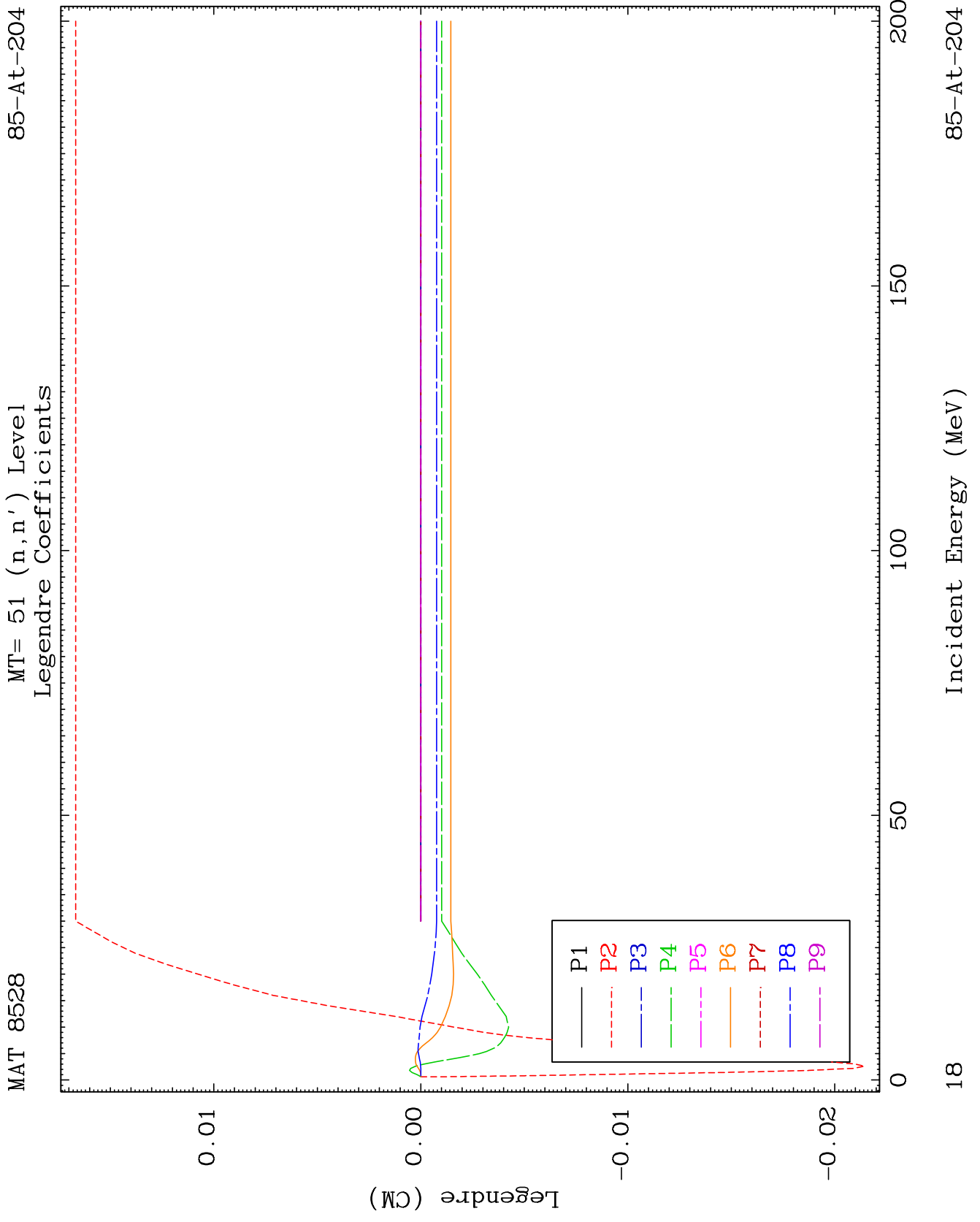
30

17

Incident Energy (MeV)

85-At-204

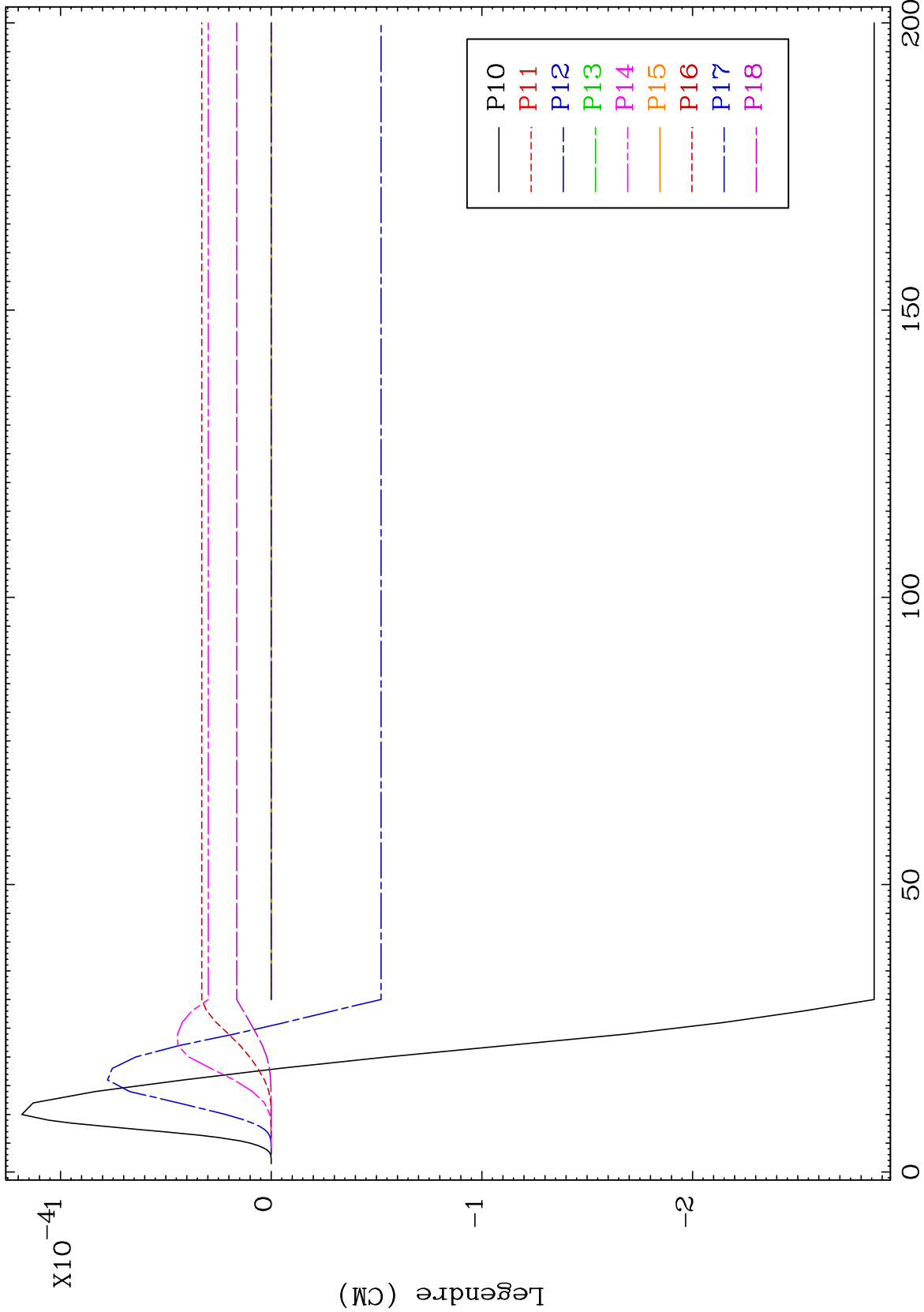




MAT 8528

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

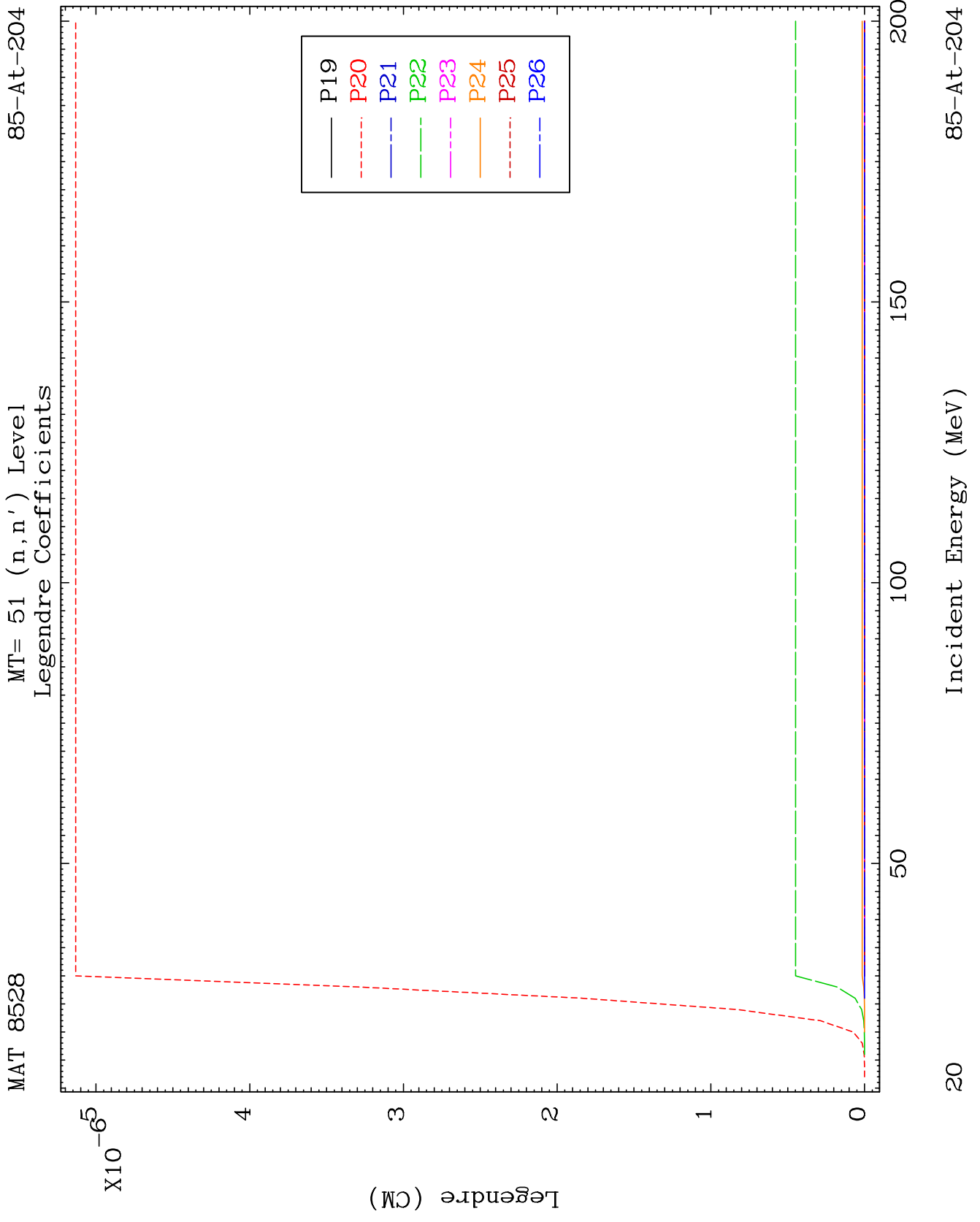
85-At-204

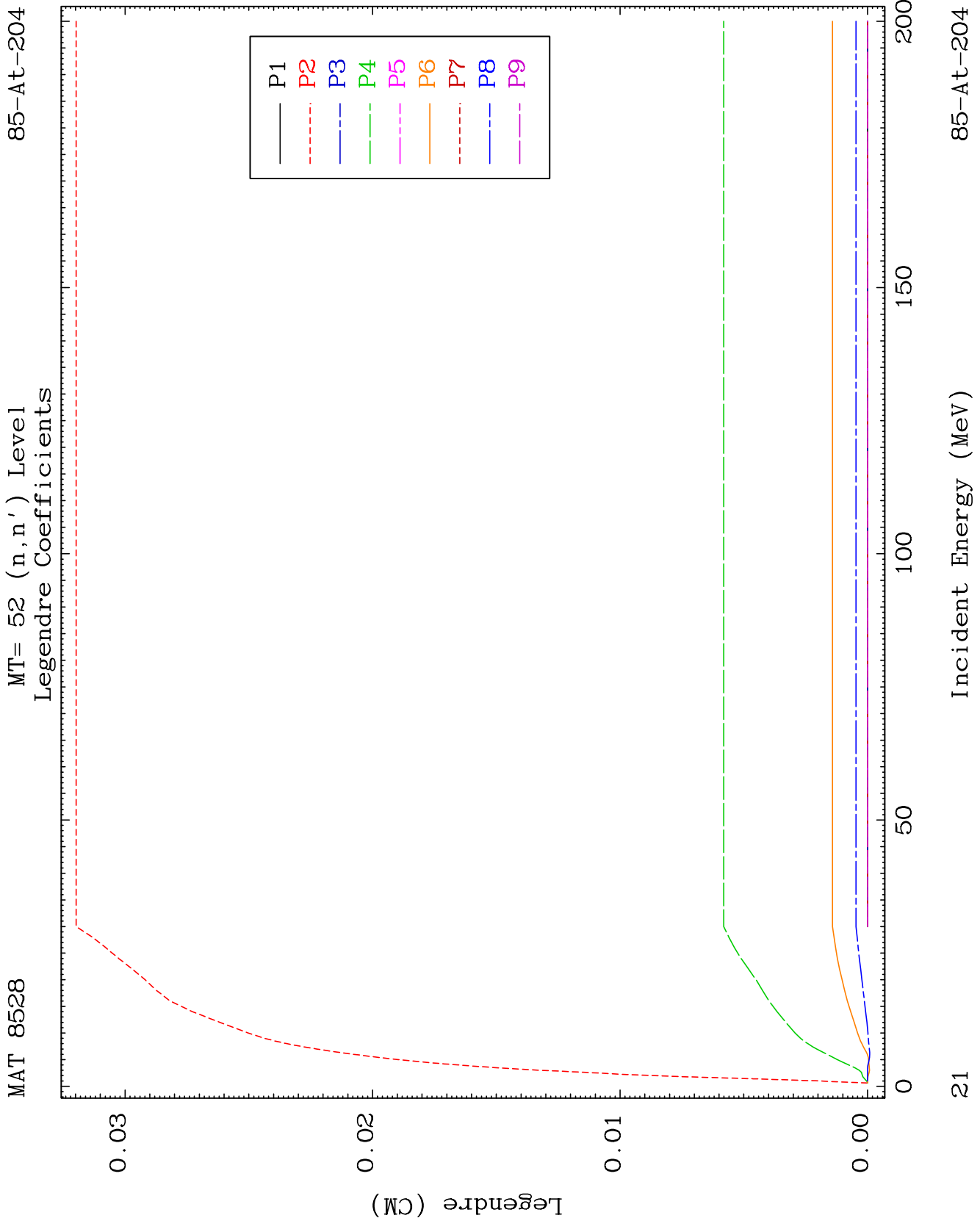


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Incident Energy (MeV)

85-At-204

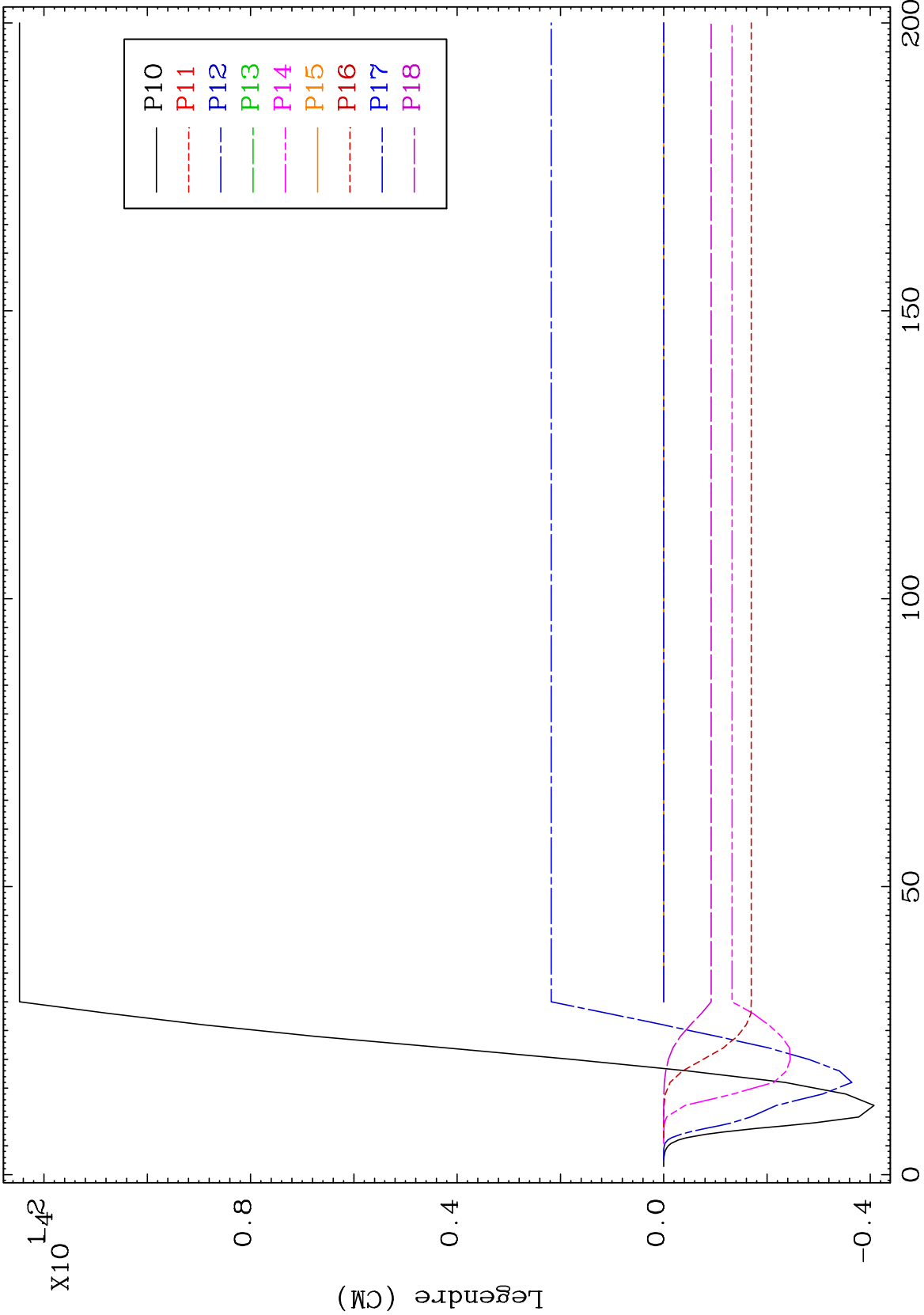




MAT 8528

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

85-At-204



22

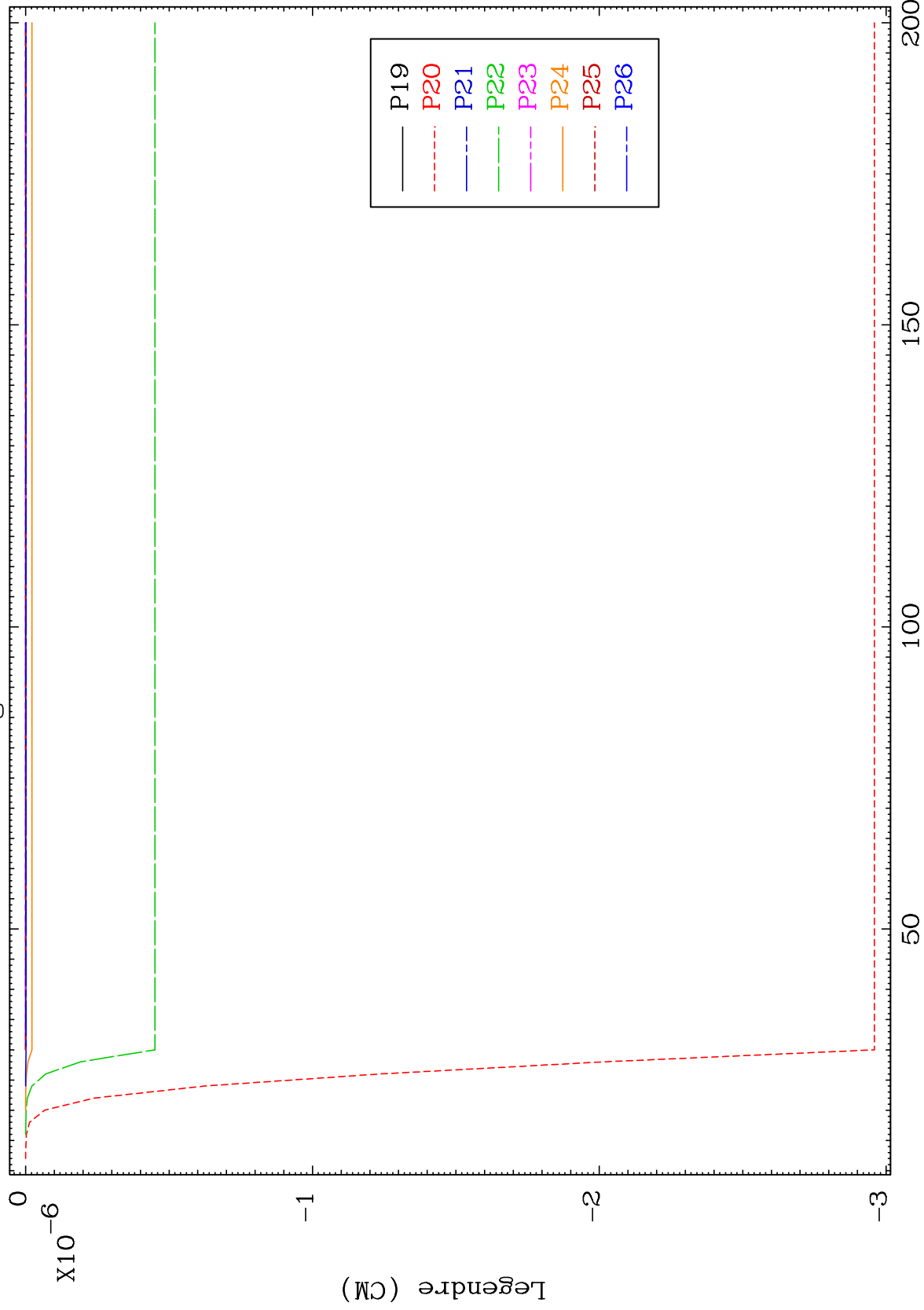
Incident Energy (MeV)

85-At-204

MAT 8528

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

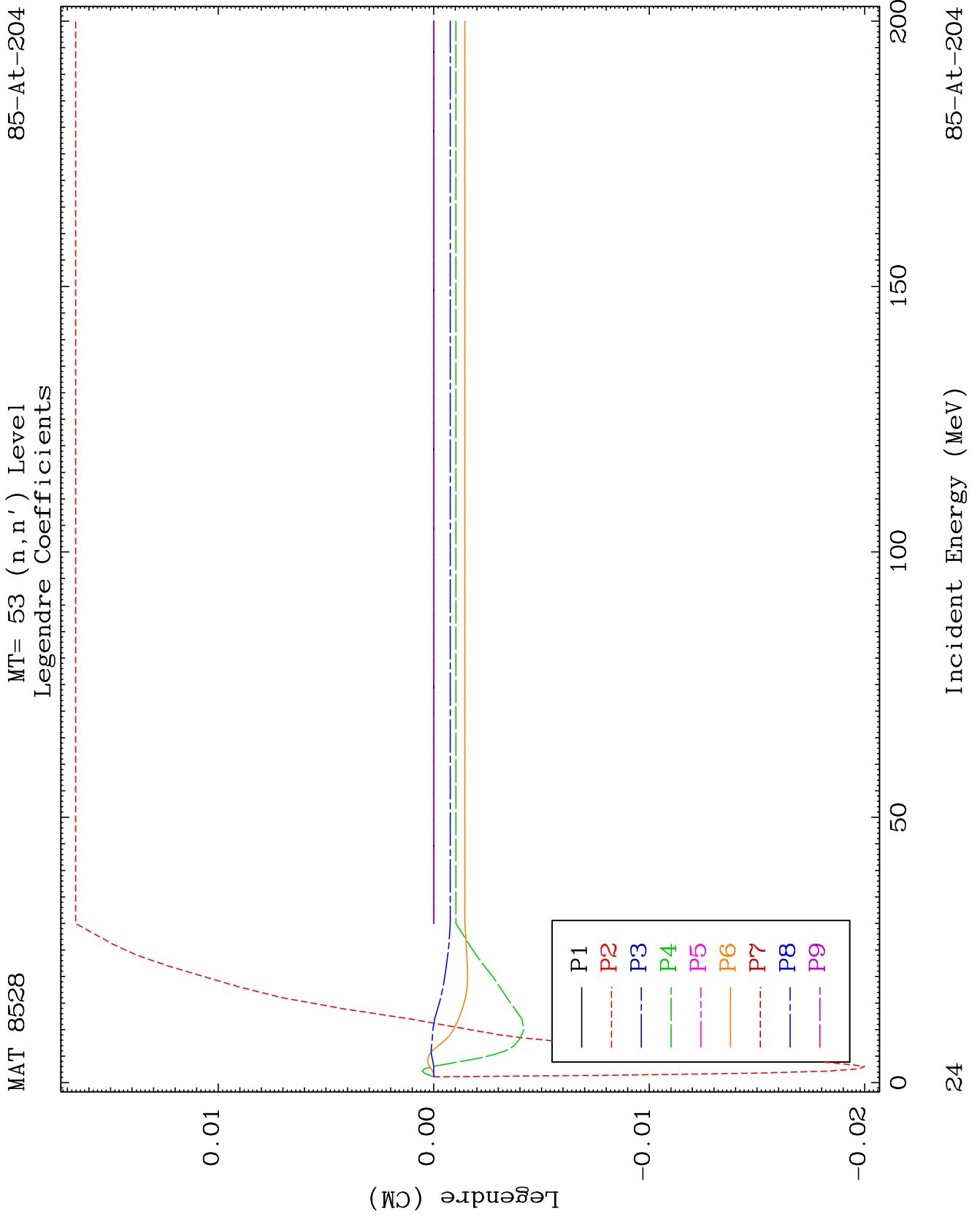
85-At-204



23

Incident Energy (MeV)

85-At-204



85-At-204

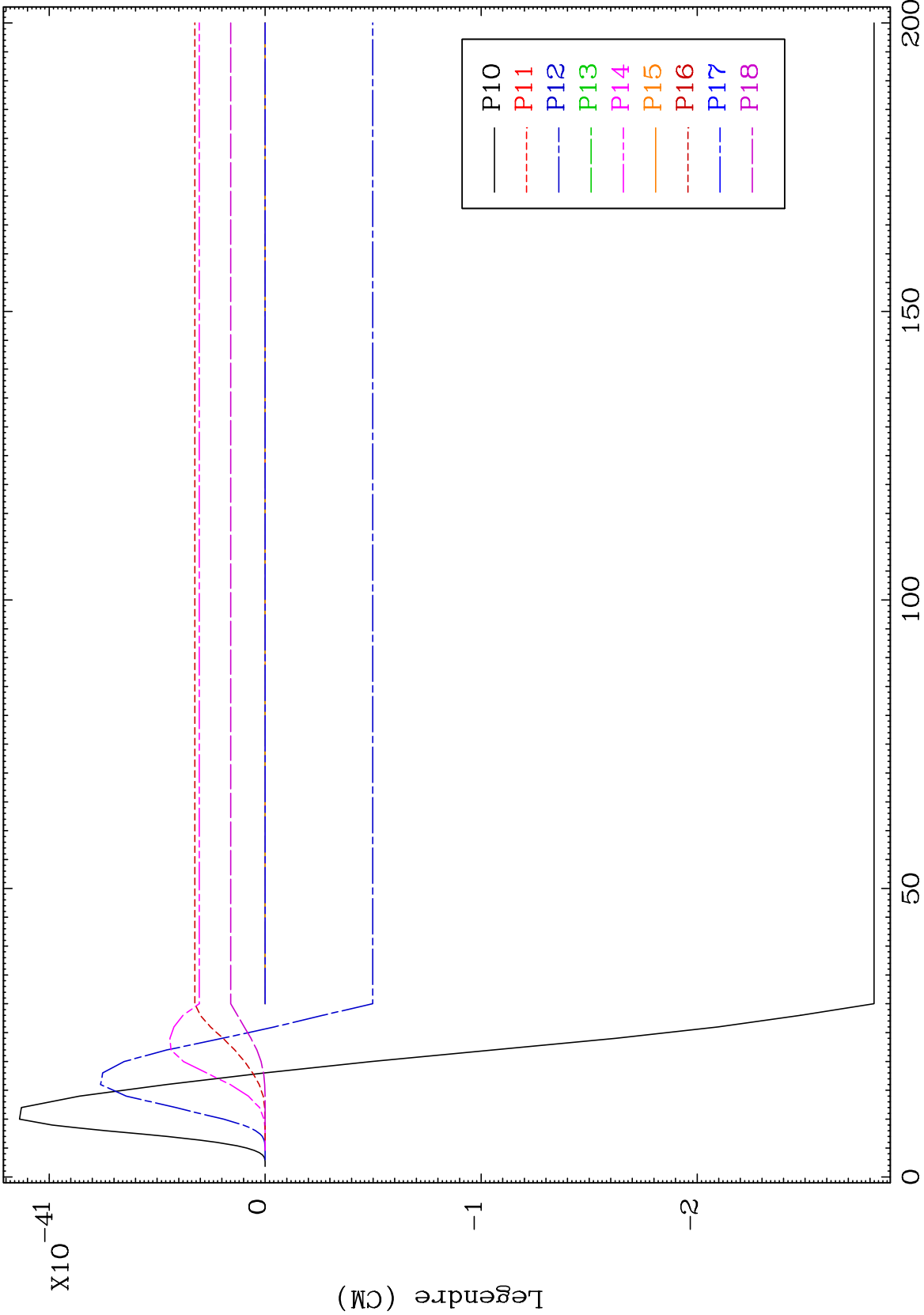
Incident Energy (MeV)

24

MAT 8528

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

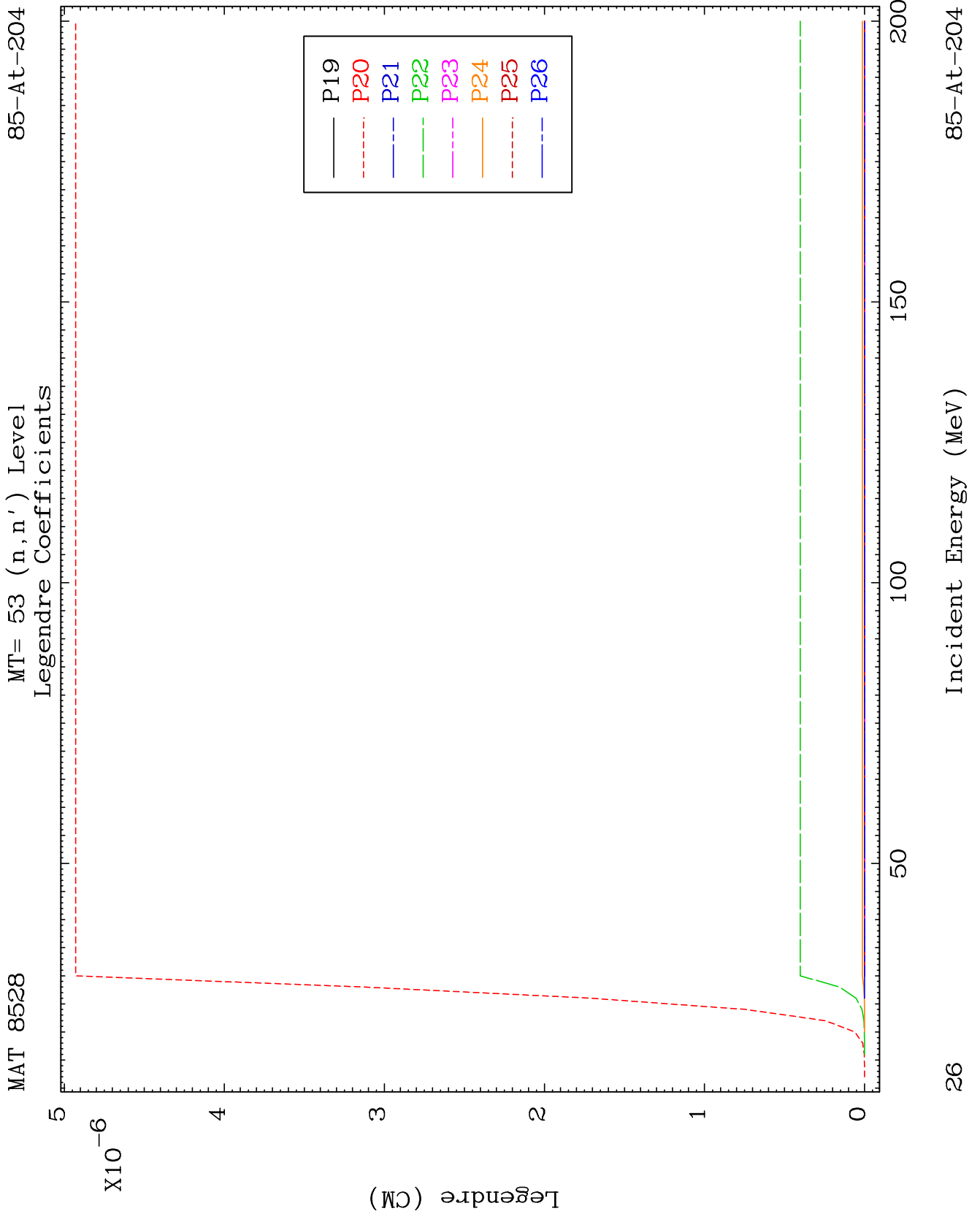
85-At-204



25

Incident Energy (MeV)

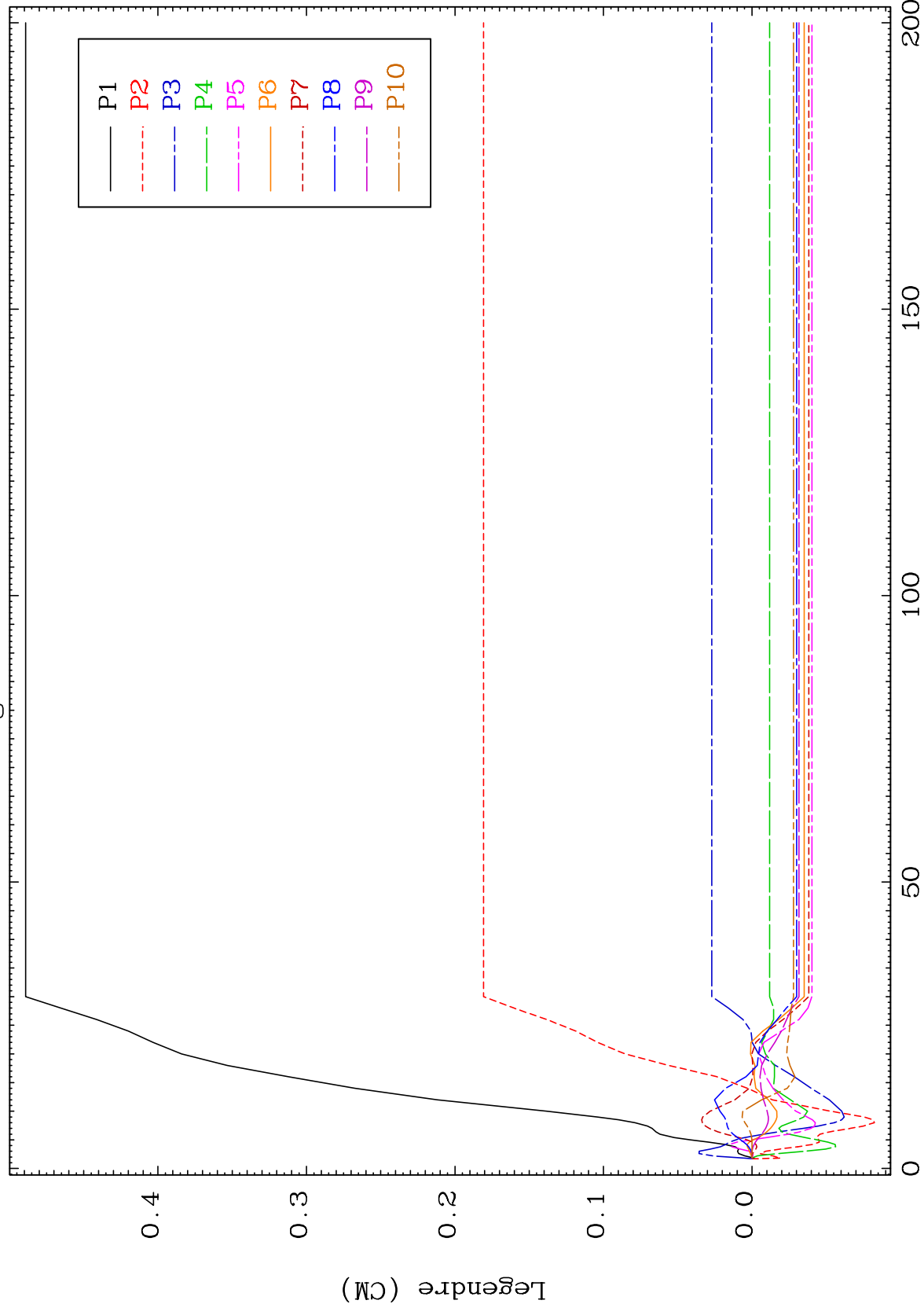
85-At-204



MAT 8528

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

85-At-204



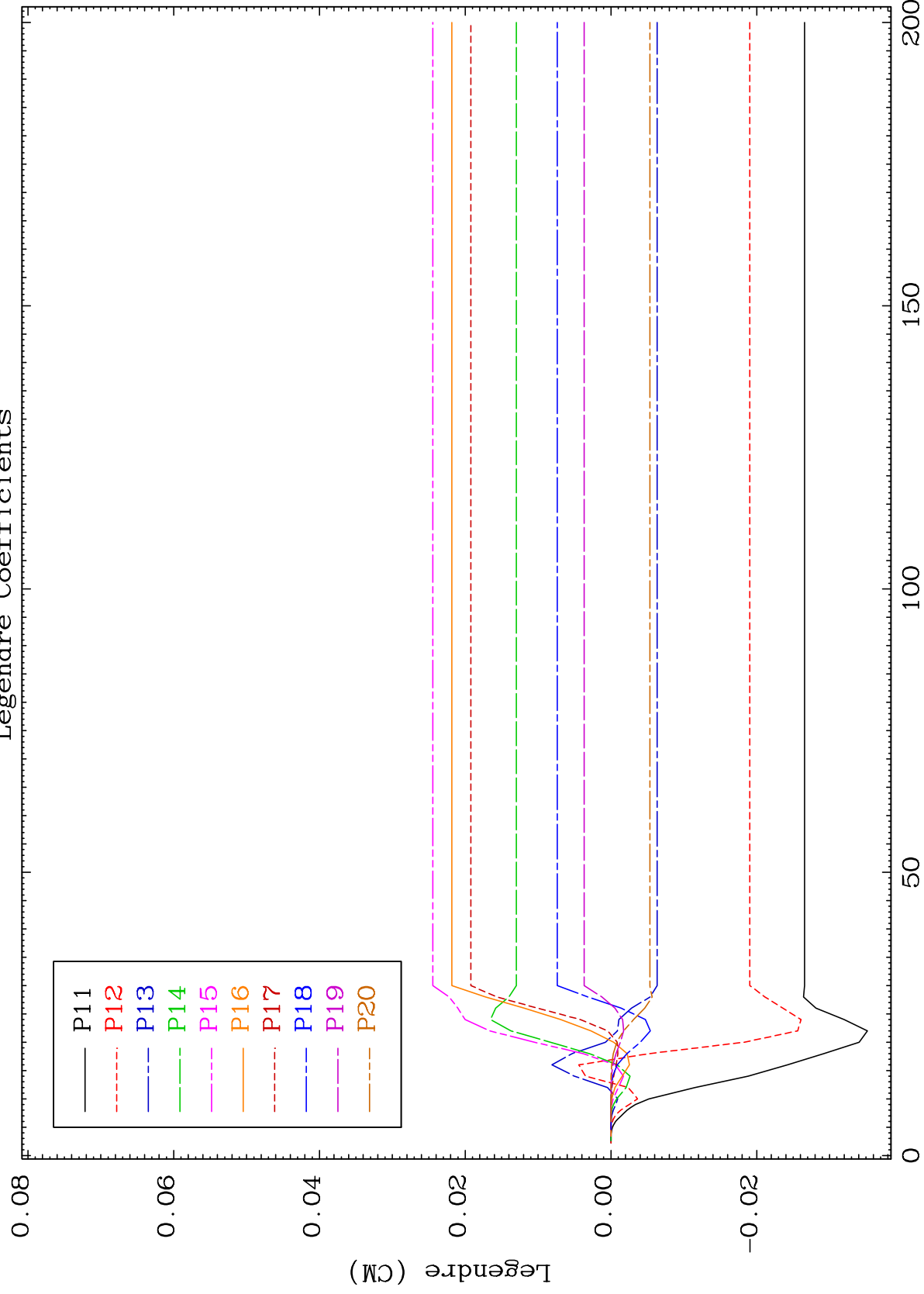
27

85-At-204

MAT 8528

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

85-At-204



28

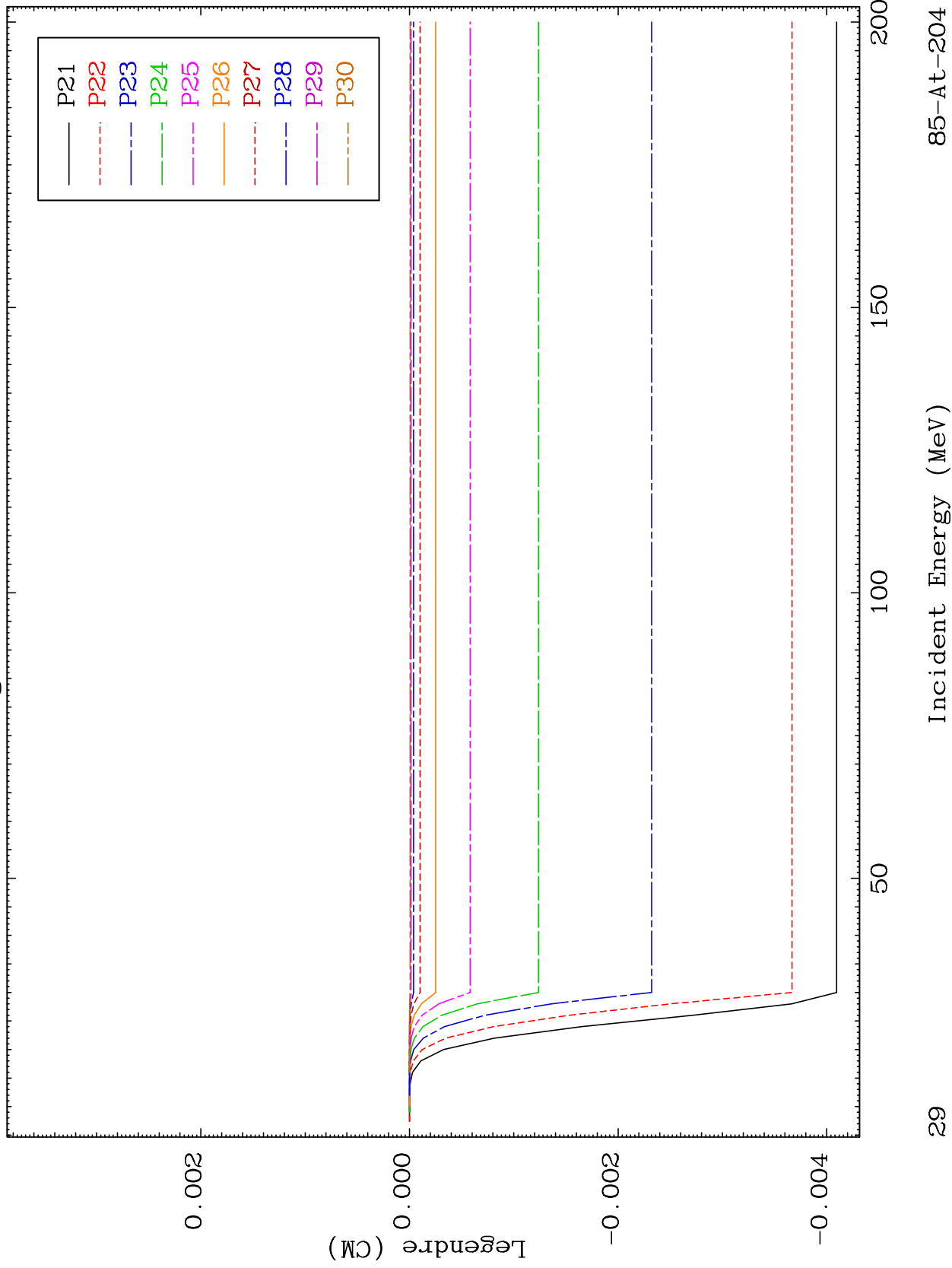
Incident Energy (MeV)

85-At-204

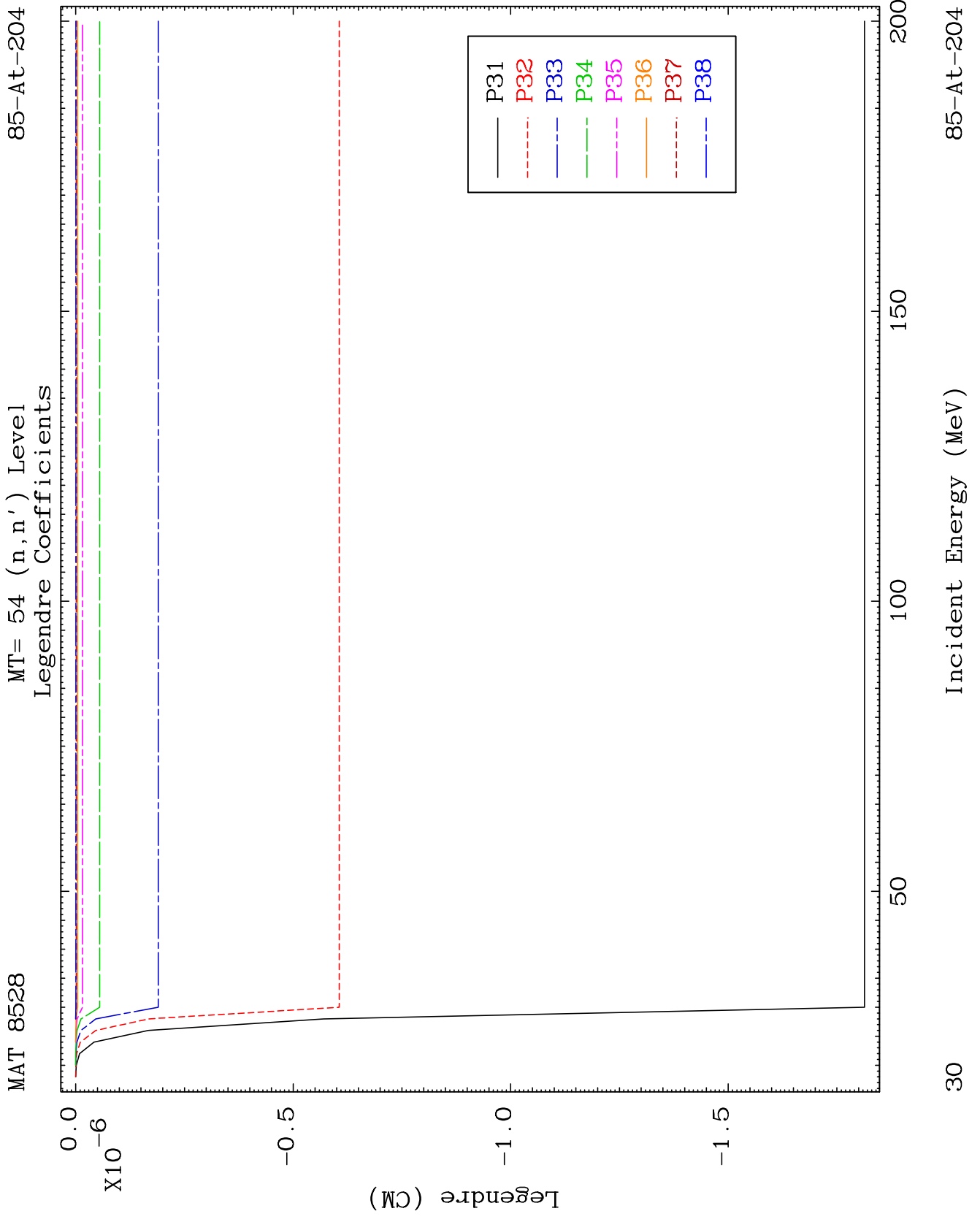
MAT 8528

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

85-At-204



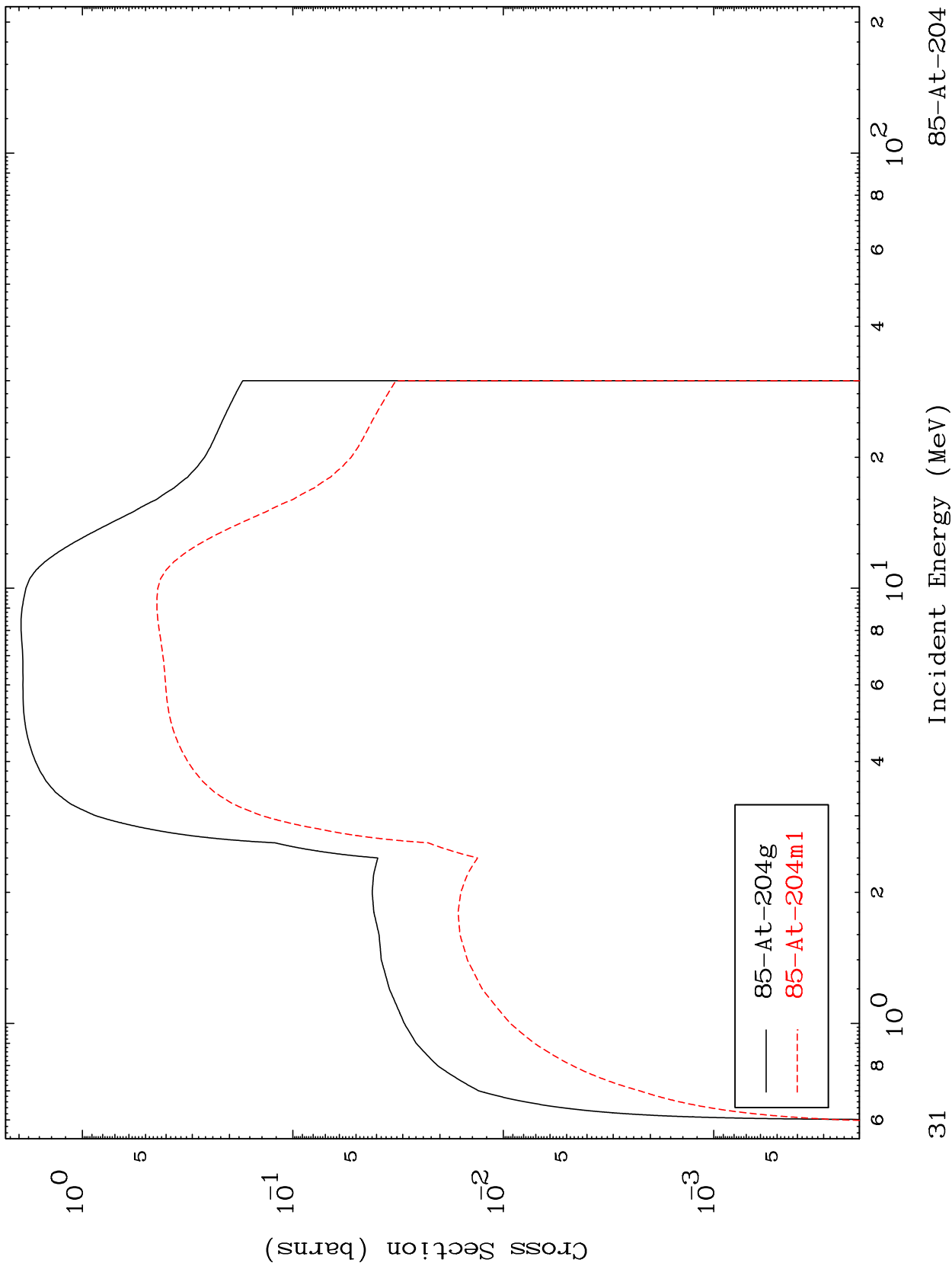
29



MAT 8528

85-At-204

Inelastic
Radionuclide Production Cross Section



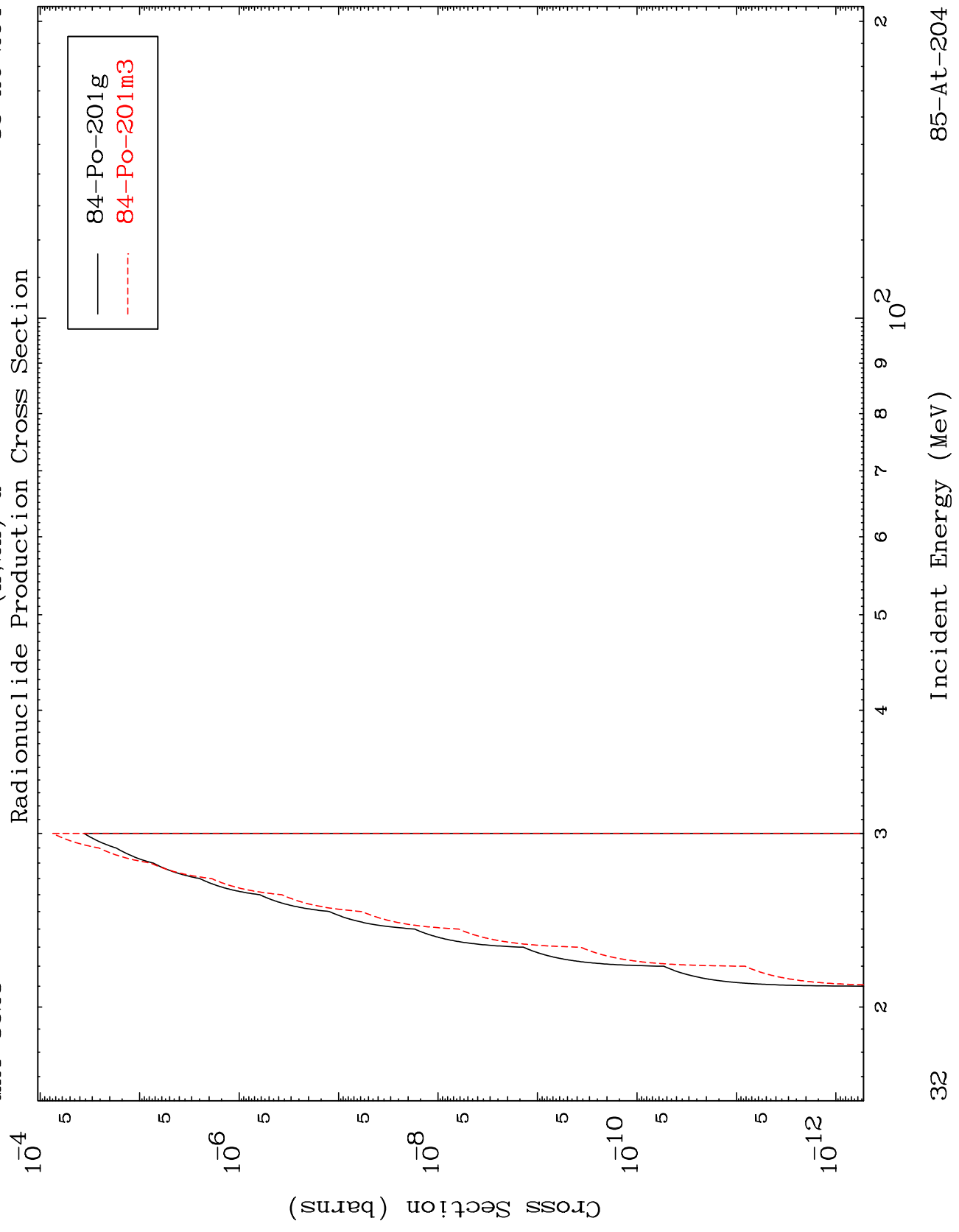
31

85-At-204

MAT 8528

(n,2n) d

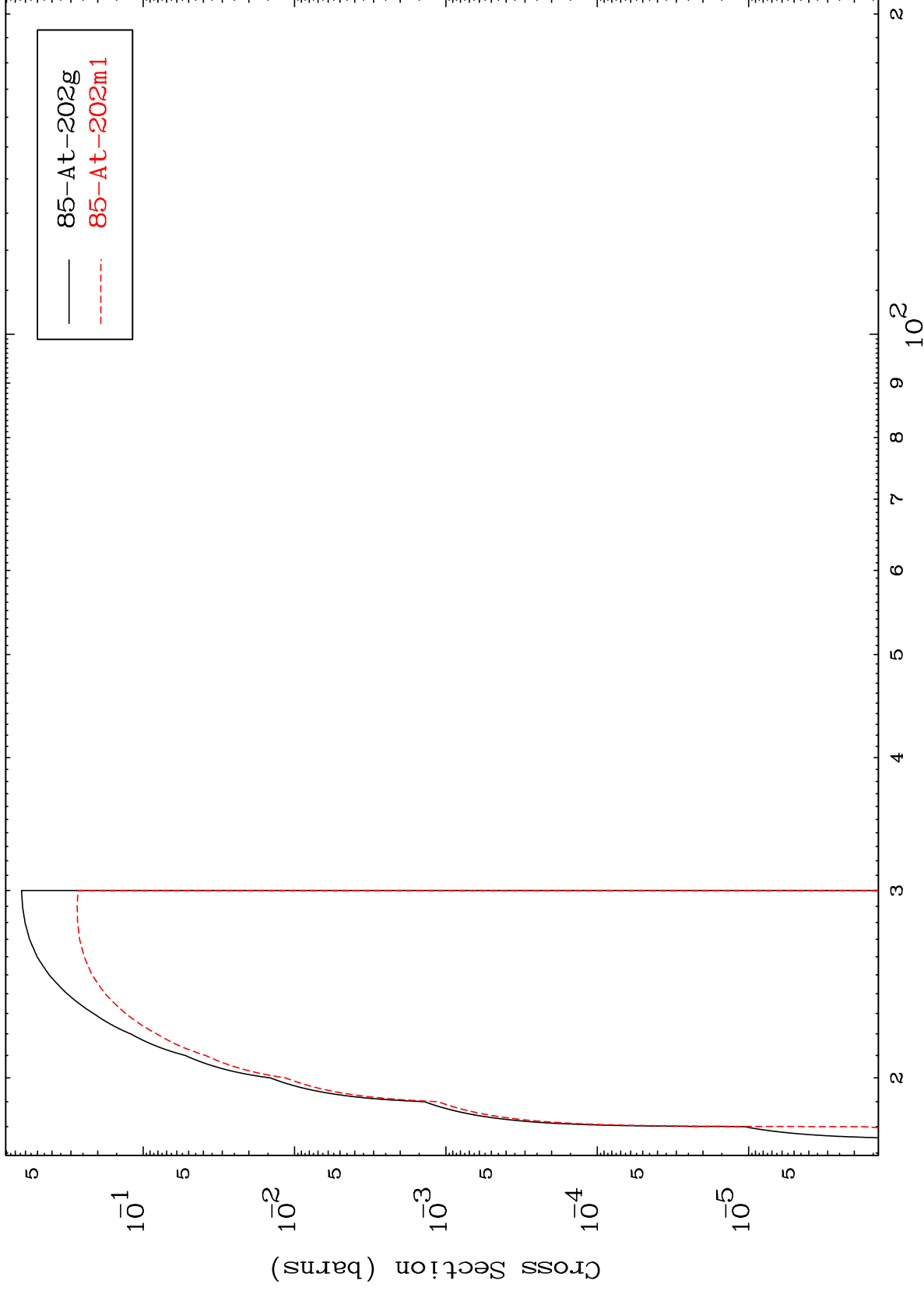
85-At-204



32

85-At-204

(n,3n)
Radionuclide Production Cross Section

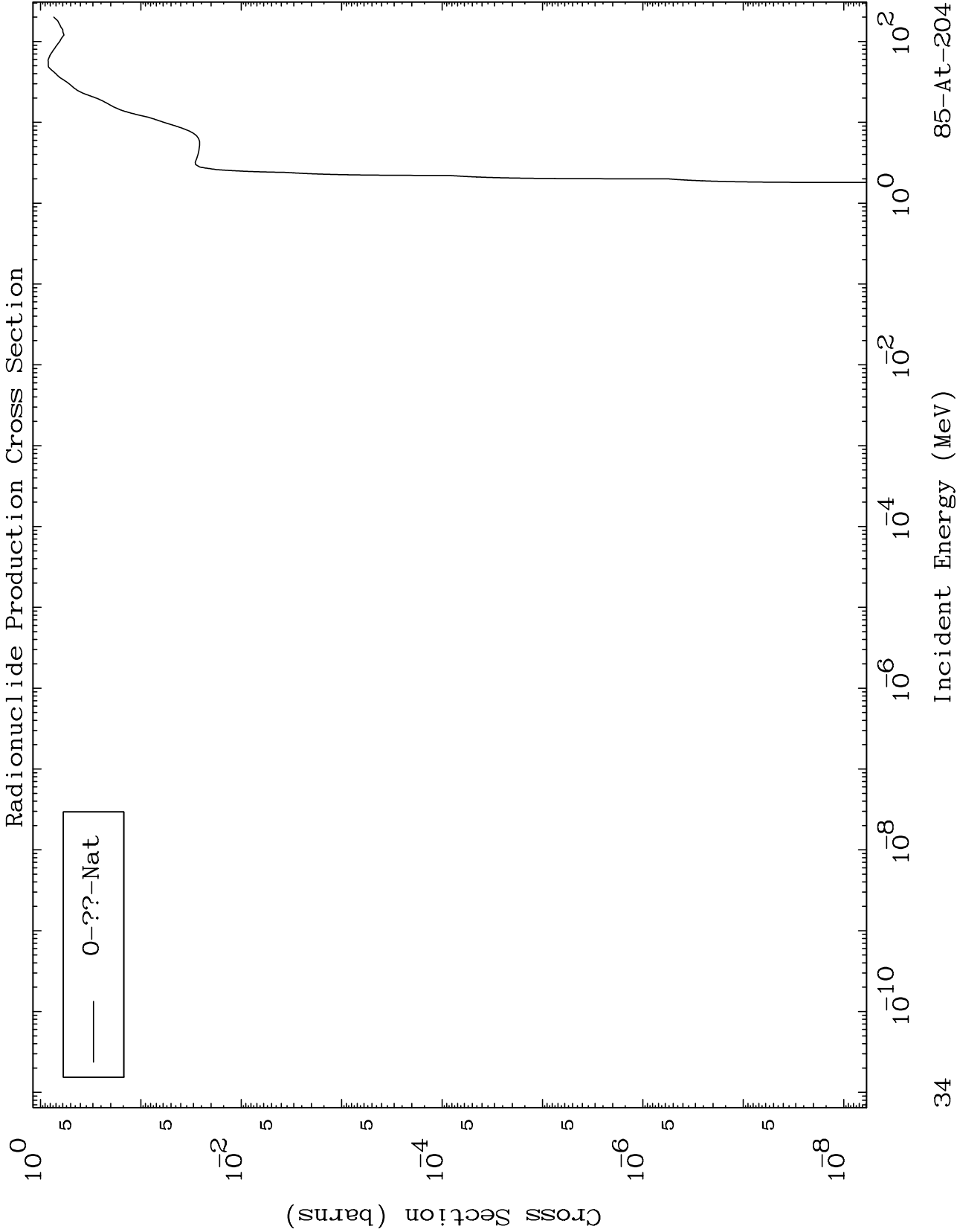


MAT 8528

Fission

85-At-204

Radionuclide Production Cross Section



34

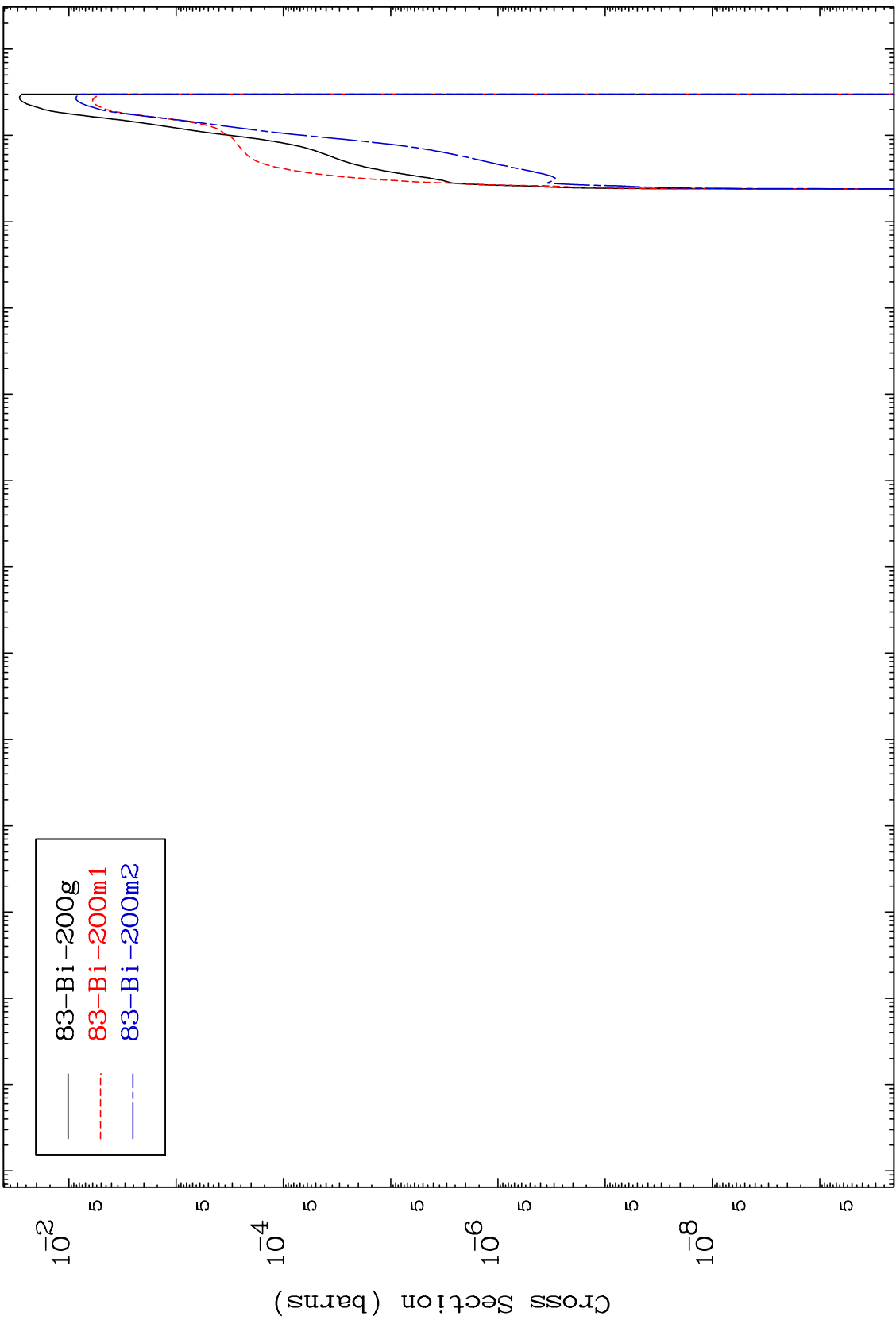
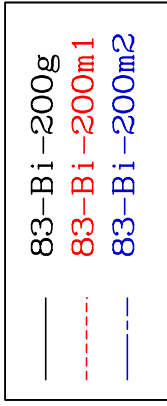
85-At-204

MAT 8528

(n,n') α

85-At-204

Radionuclide Production Cross Section



35

Incident Energy (MeV)

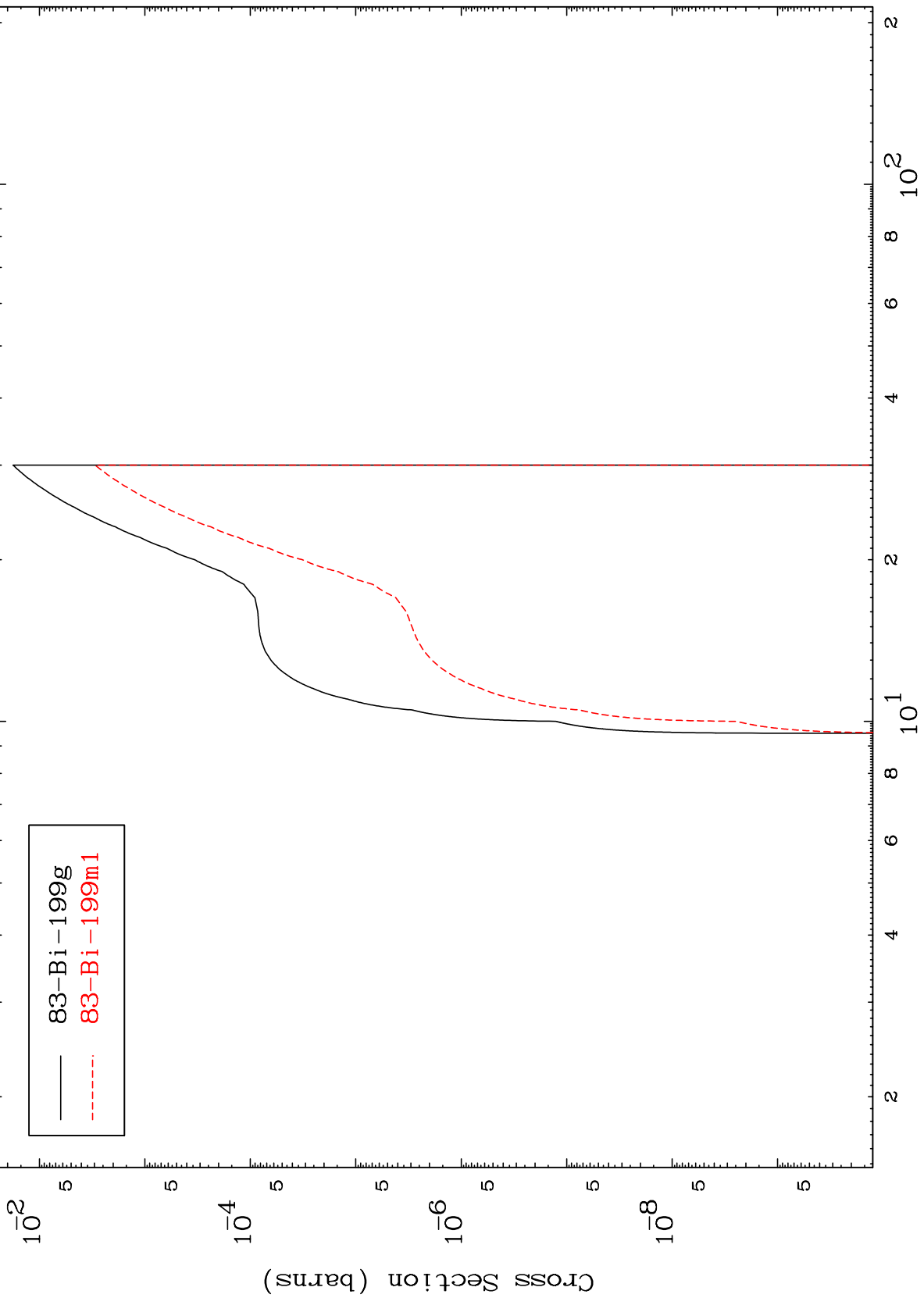
85-At-204

MAT 8528

(n,2n) α

85-At-204

Radionuclide Production Cross Section



36

Incident Energy (MeV)

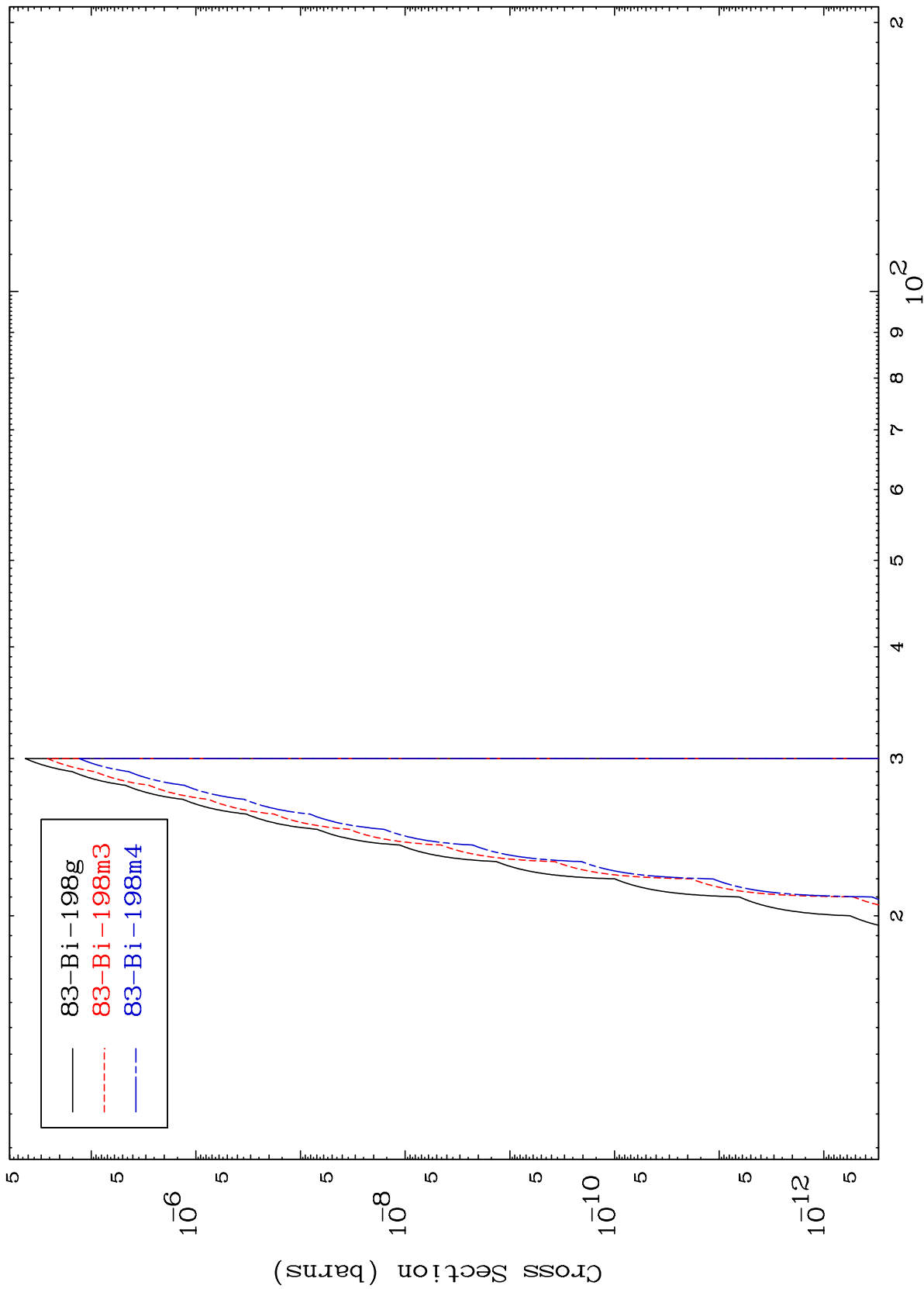
85-At-204

MAT 8528

(n,3n) α

85-At-204

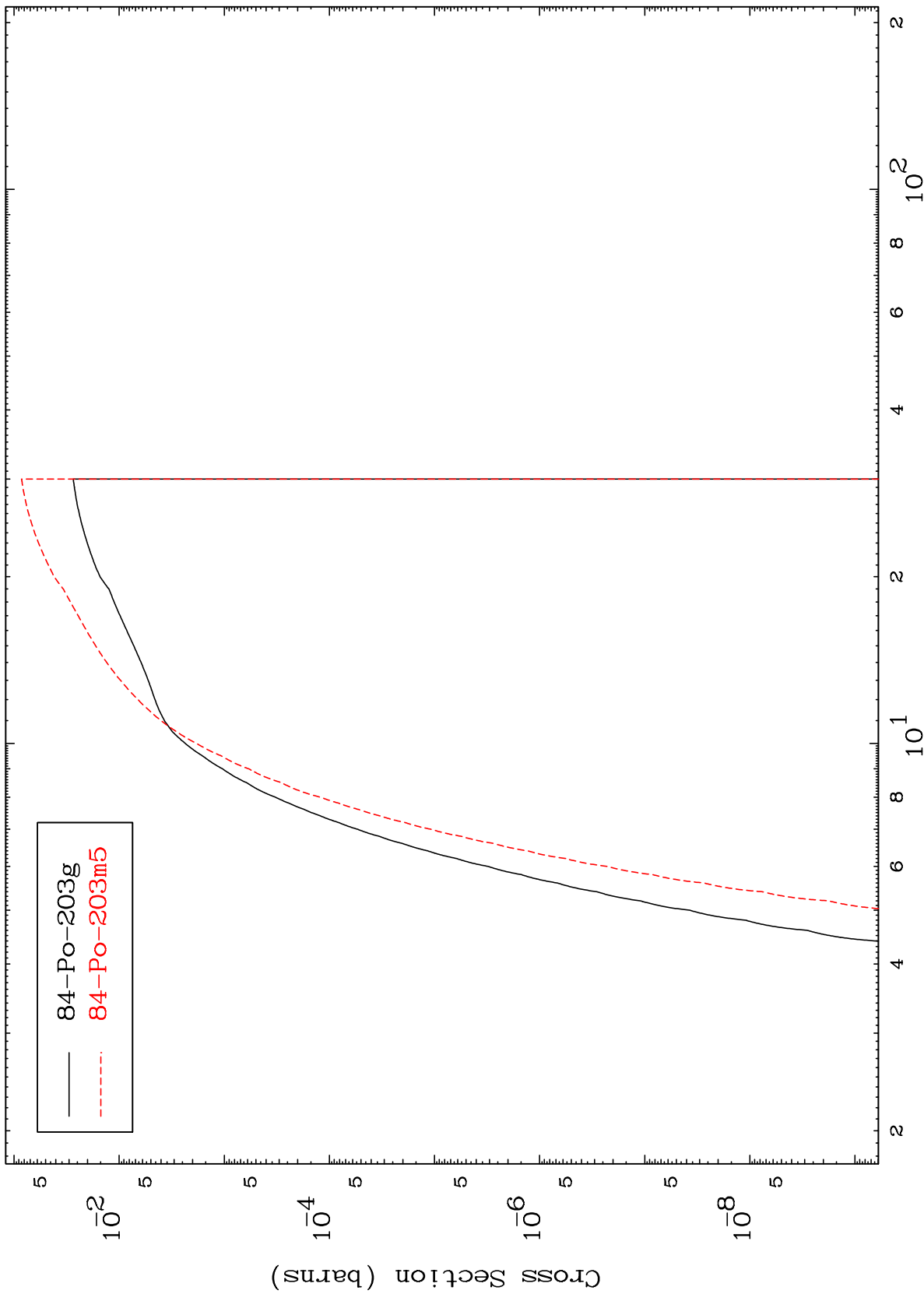
Radionuclide Production Cross Section



MAT 8528

85-At-204

(n,n') p
Radionuclide Production Cross Section



84-Po-203g
84-Po-203m5

85-At-204

Incident Energy (MeV)

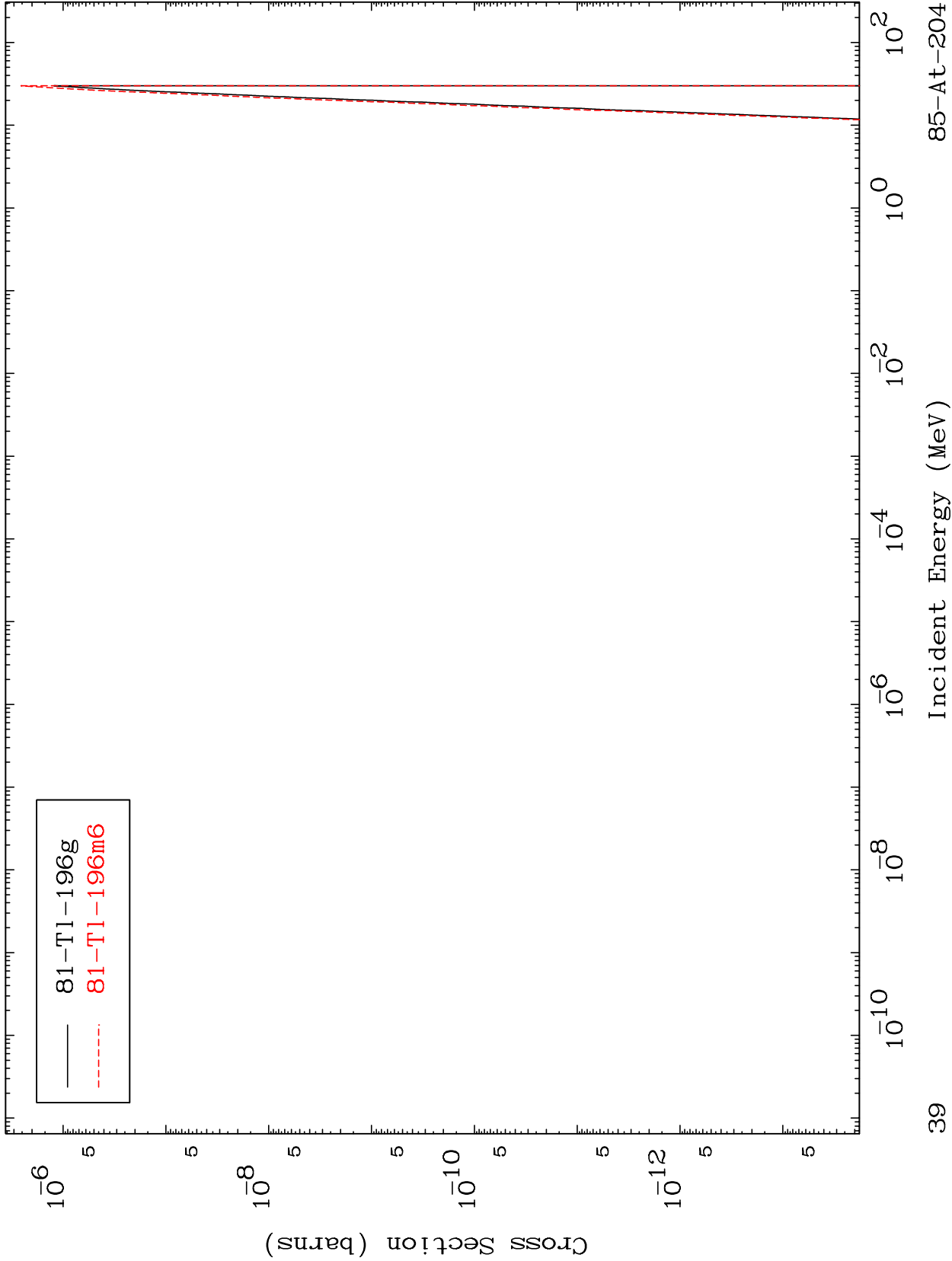
38

MAT 8528

(n,n') 2 α

85-At-204

Radionuclide Production Cross Section

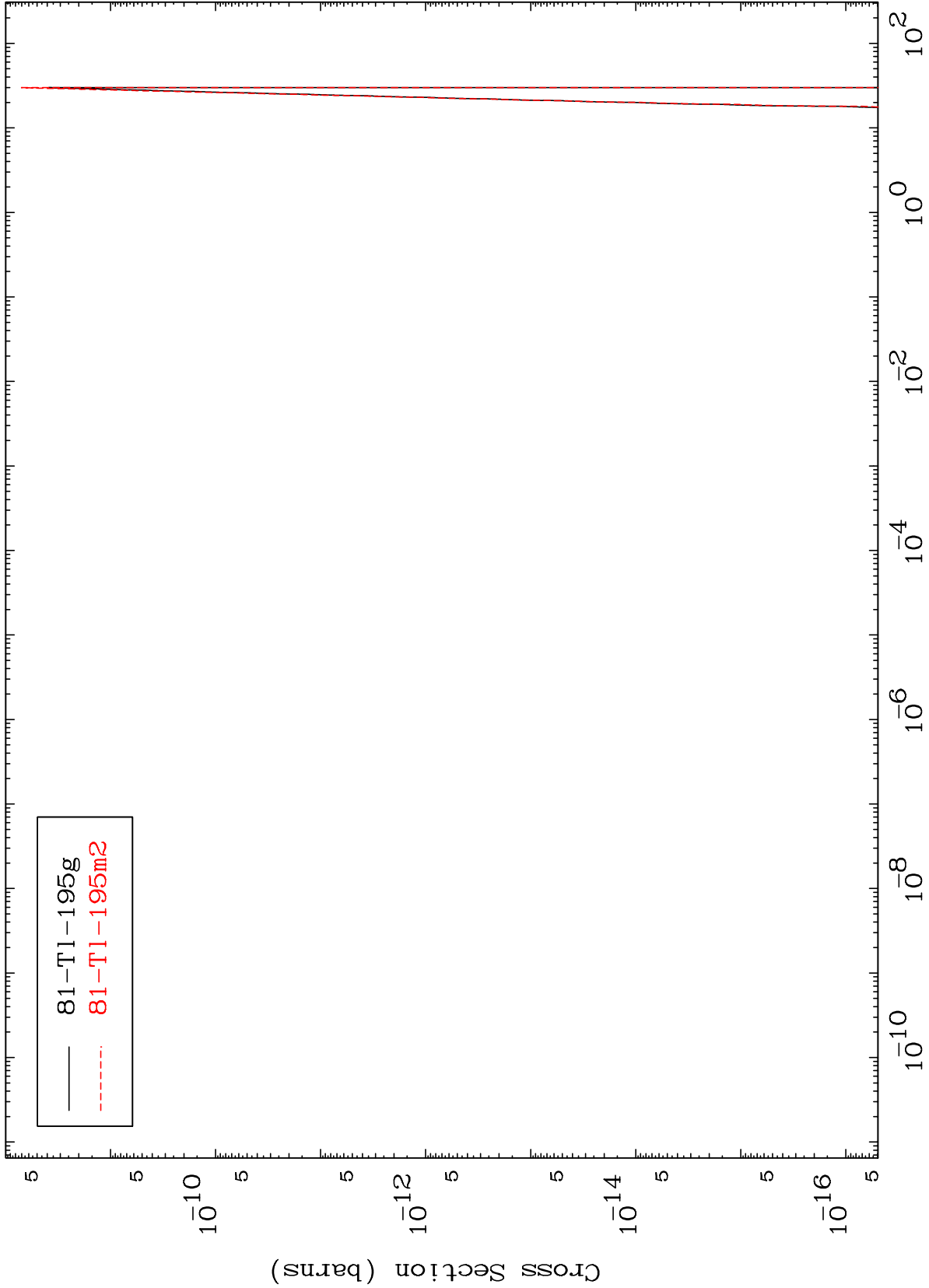


MAT 8528

(n,2n) 2 α

85-At-204

Radionuclide Production Cross Section



81-Tl-195g
81-Tl-195m2

40

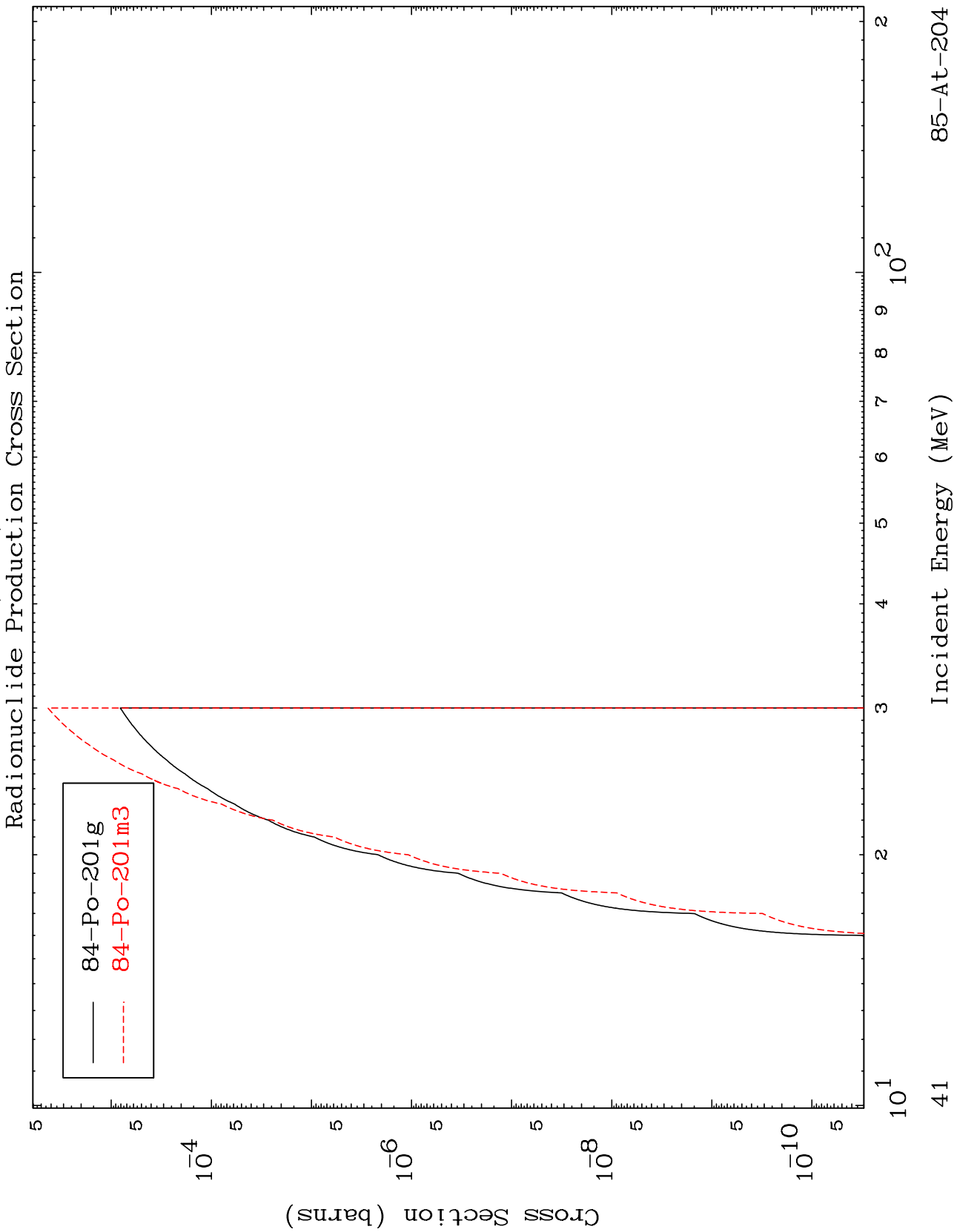
Incident Energy (MeV)

85-At-204

MAT 8528

(n,n') t

85-At-204



41

Incident Energy (MeV)

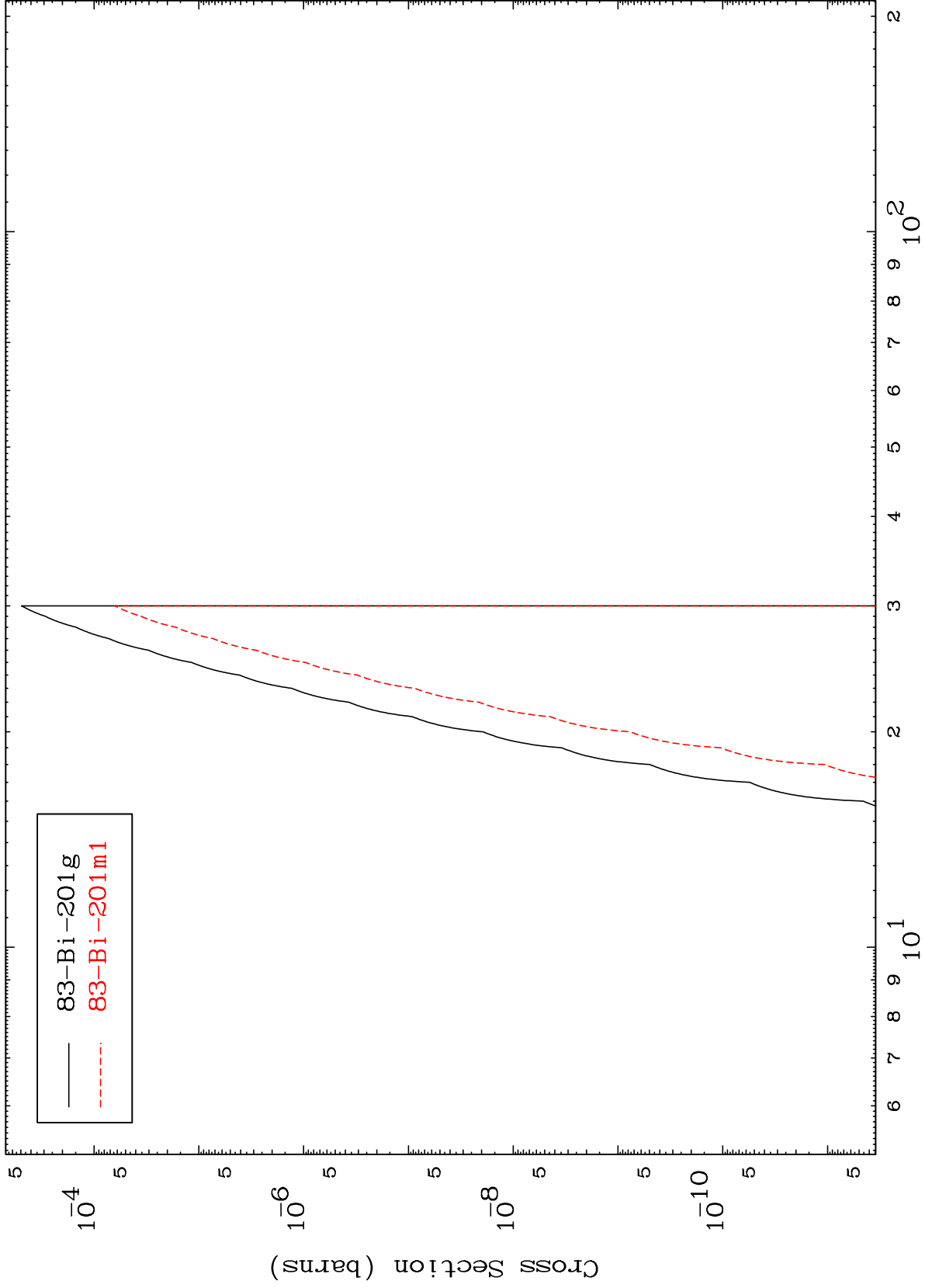
85-At-204

MAT 8528

(n,n') He-3

85-At-204

Radionuclide Production Cross Section



42

Incident Energy (MeV)

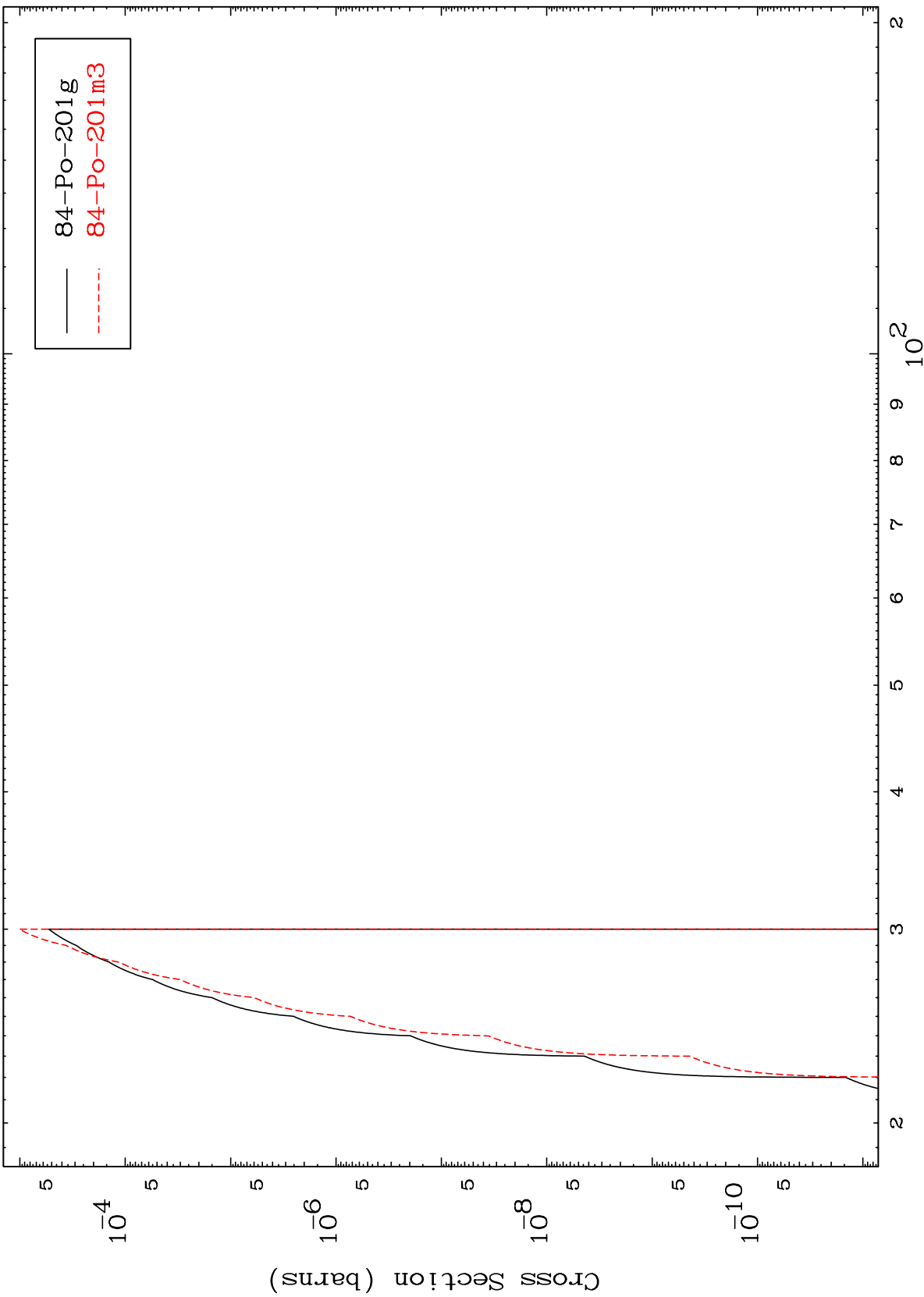
85-At-204

MAT 8528

(n,3n) p

85-At-204

Radionuclide Production Cross Section



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

43

Incident Energy (MeV)

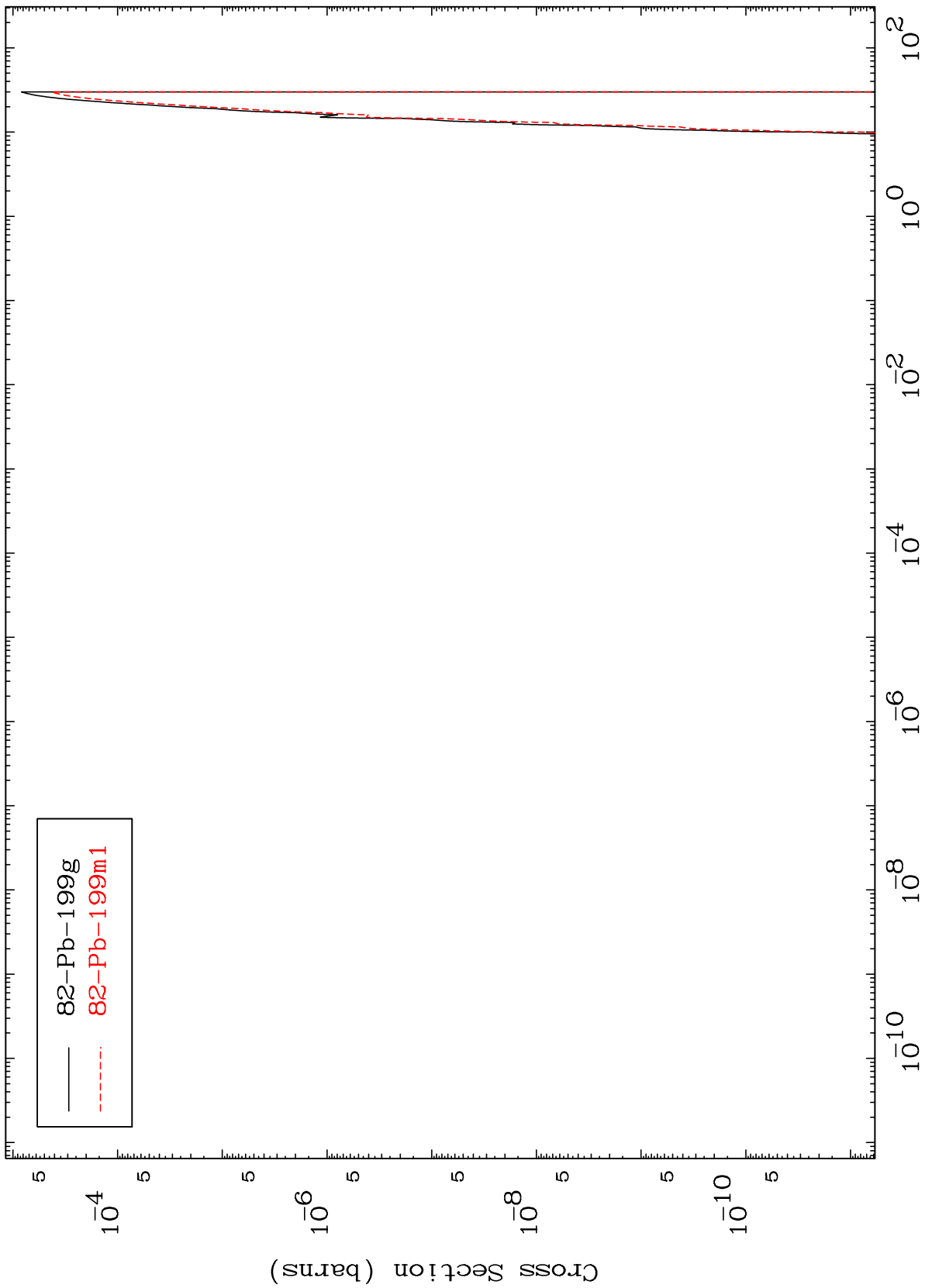
85-At-204

MAT 8528

(n,n') p α

85-At-204

Radionuclide Production Cross Section



82-Pb-199g
82-Pb-199m1

44

Incident Energy (MeV)

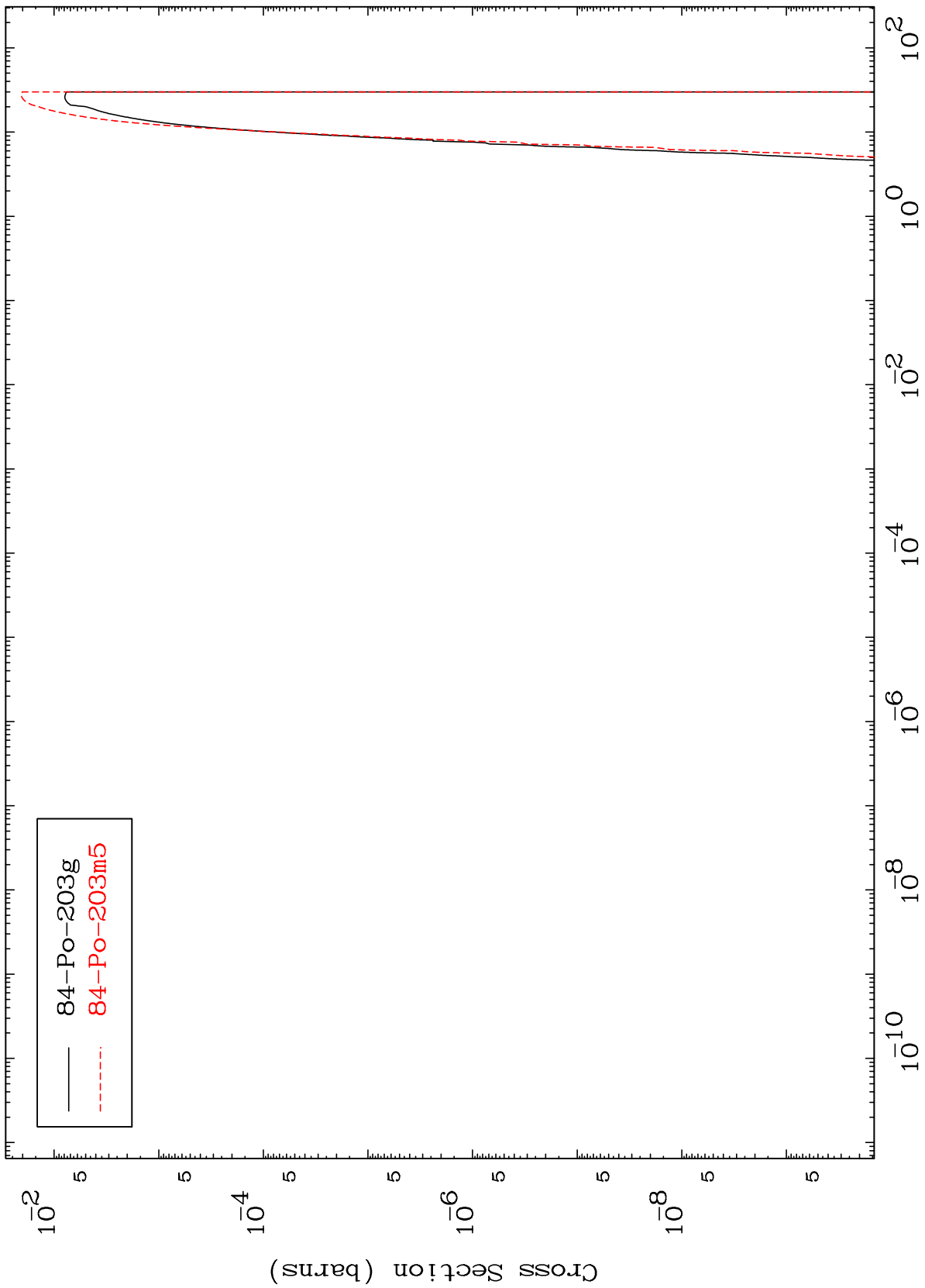
85-At-204

MAT 8528

(n,d)

85-At-204

Radionuclide Production Cross Section

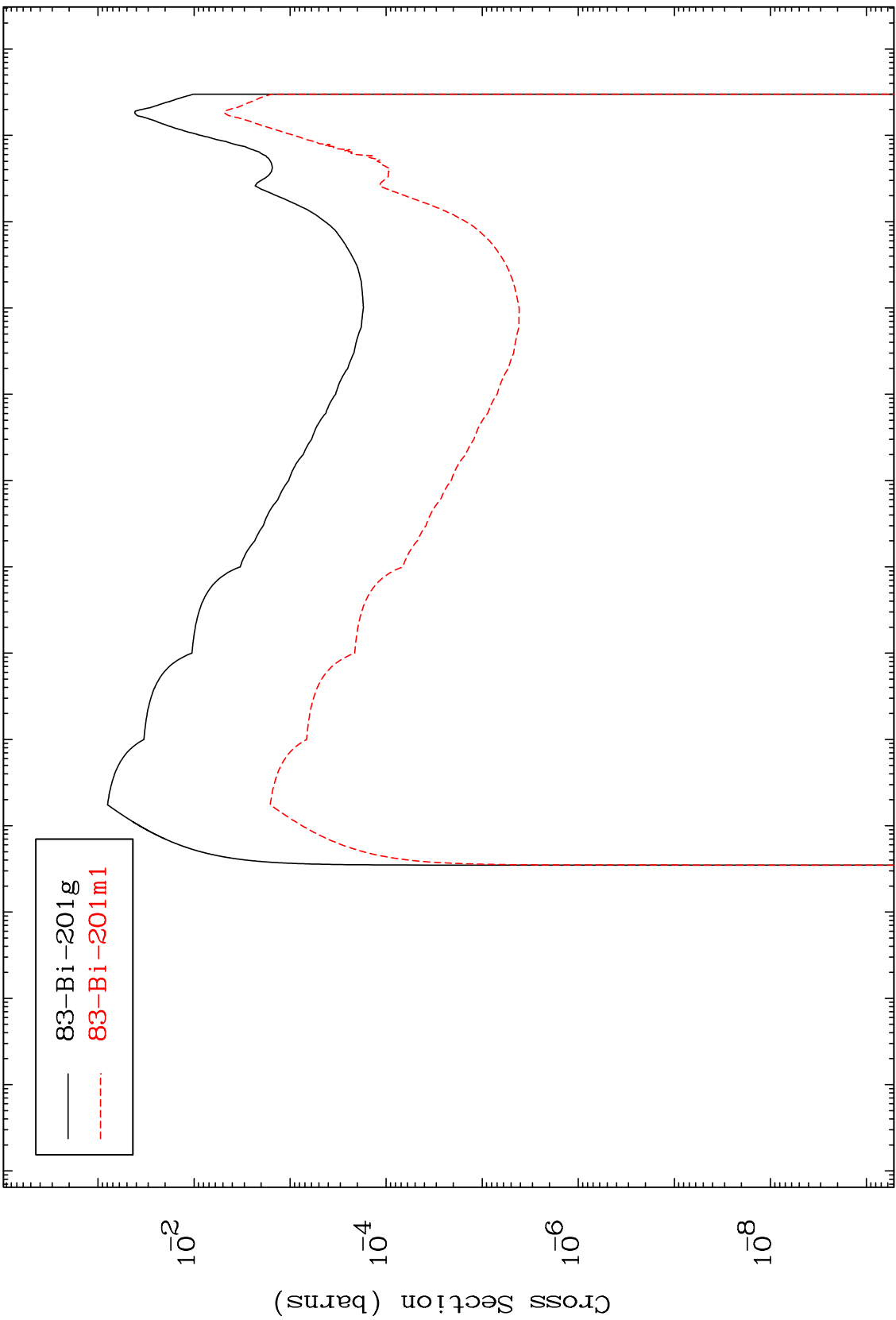
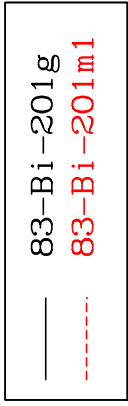


— 84-Po-203g
- - - 84-Po-203m5

MAT 8528

85-At-204

Radionuclide Production Cross Section (n,α)



85-At-204

Incident Energy (MeV)

85-At-204

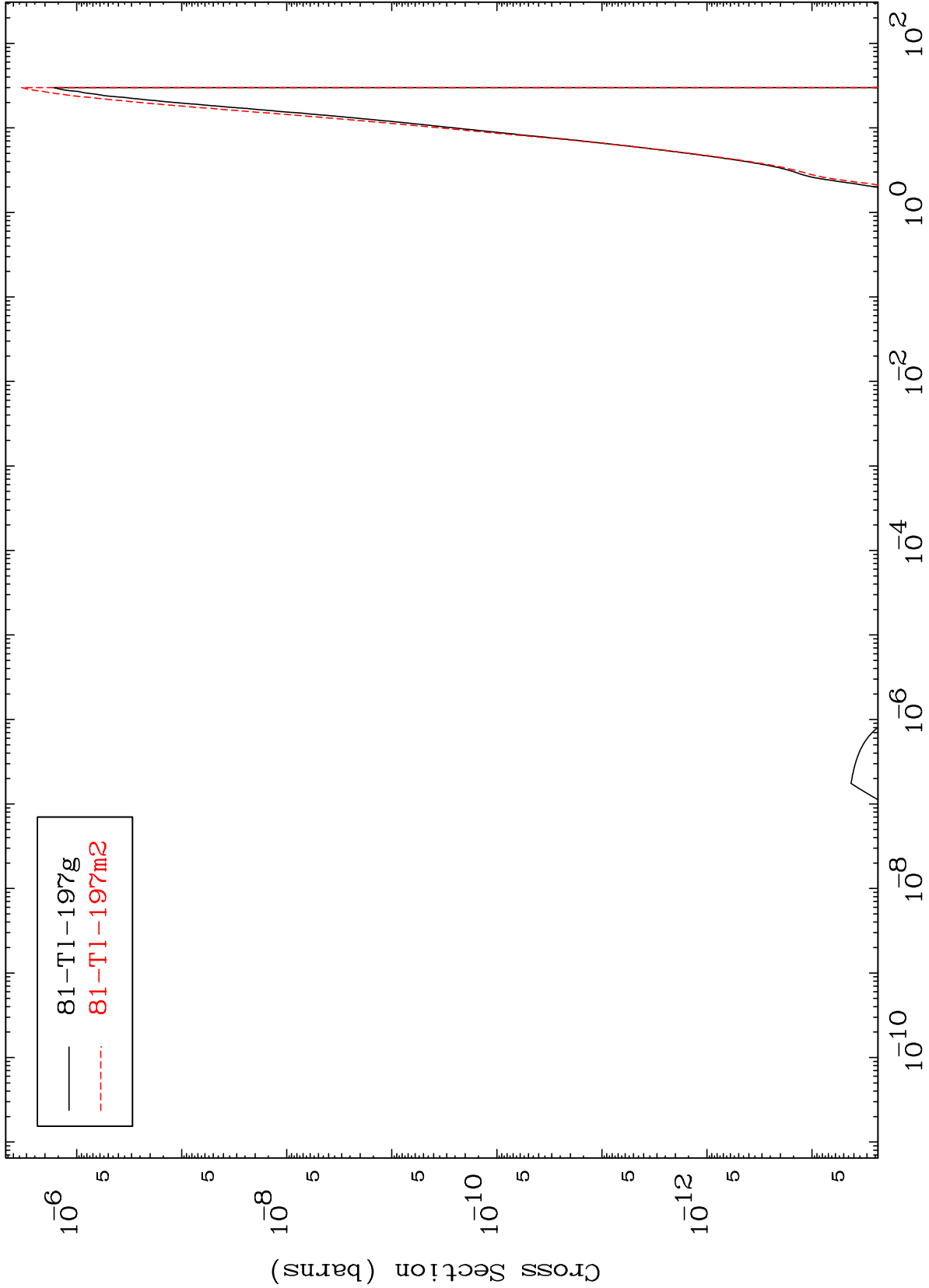
46

MAT 8528

(n,2α)

85-At-204

Radionuclide Production Cross Section

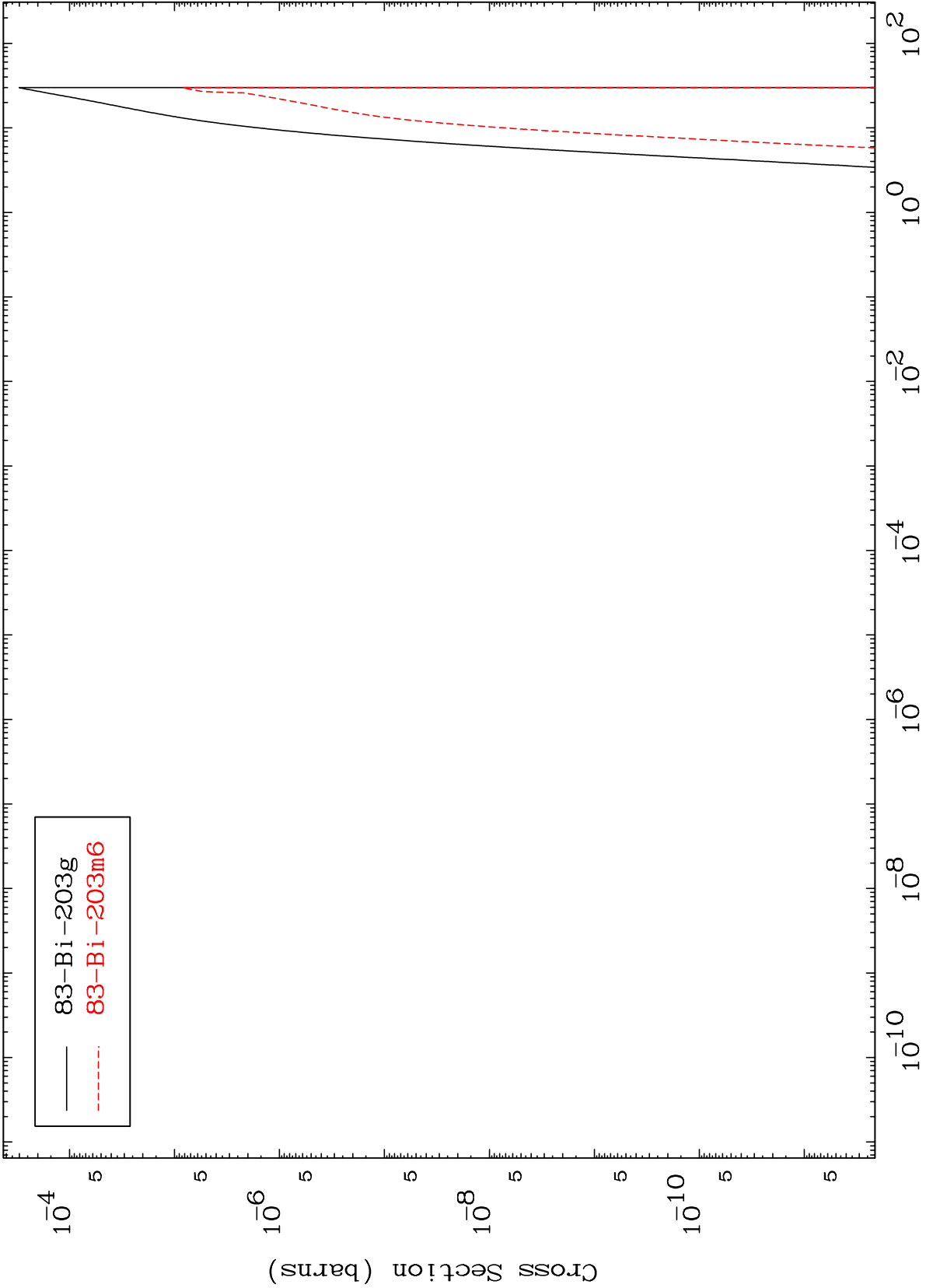
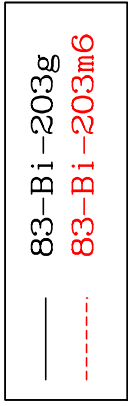


MAT 8528

(n,2p)

85-At-204

Radionuclide Production Cross Section

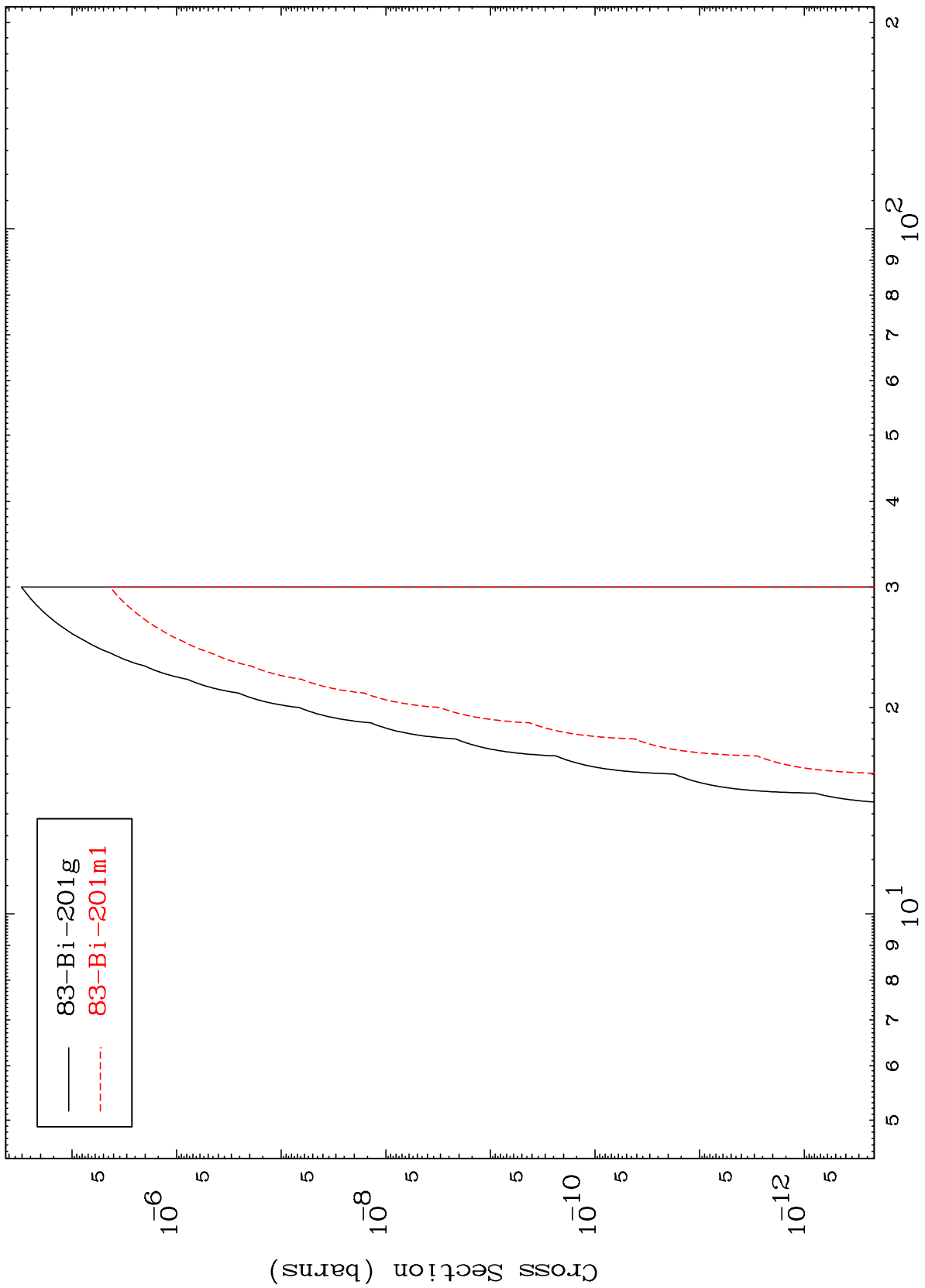


MAT 8528

(n,p) t

85-At-204

Radionuclide Production Cross Section



49

Incident Energy (MeV)

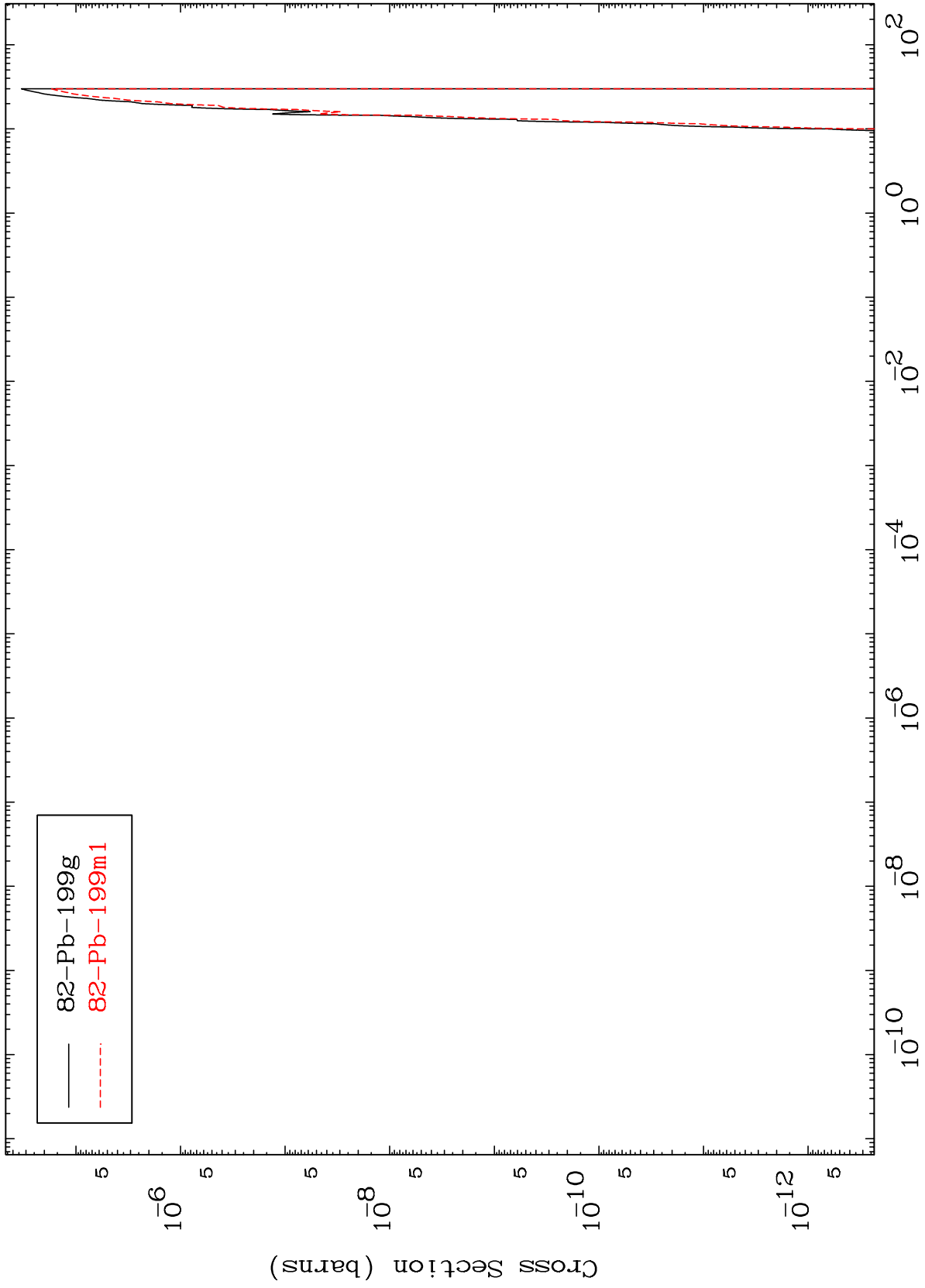
85-At-204

MAT 8528

(n,d) α

85-At-204

Radionuclide Production Cross Section



82-Pb-199g
82-Pb-199m1

50

Incident Energy (MeV)

85-At-204