

Program EVALPLOT
(Version 2021-1)

by

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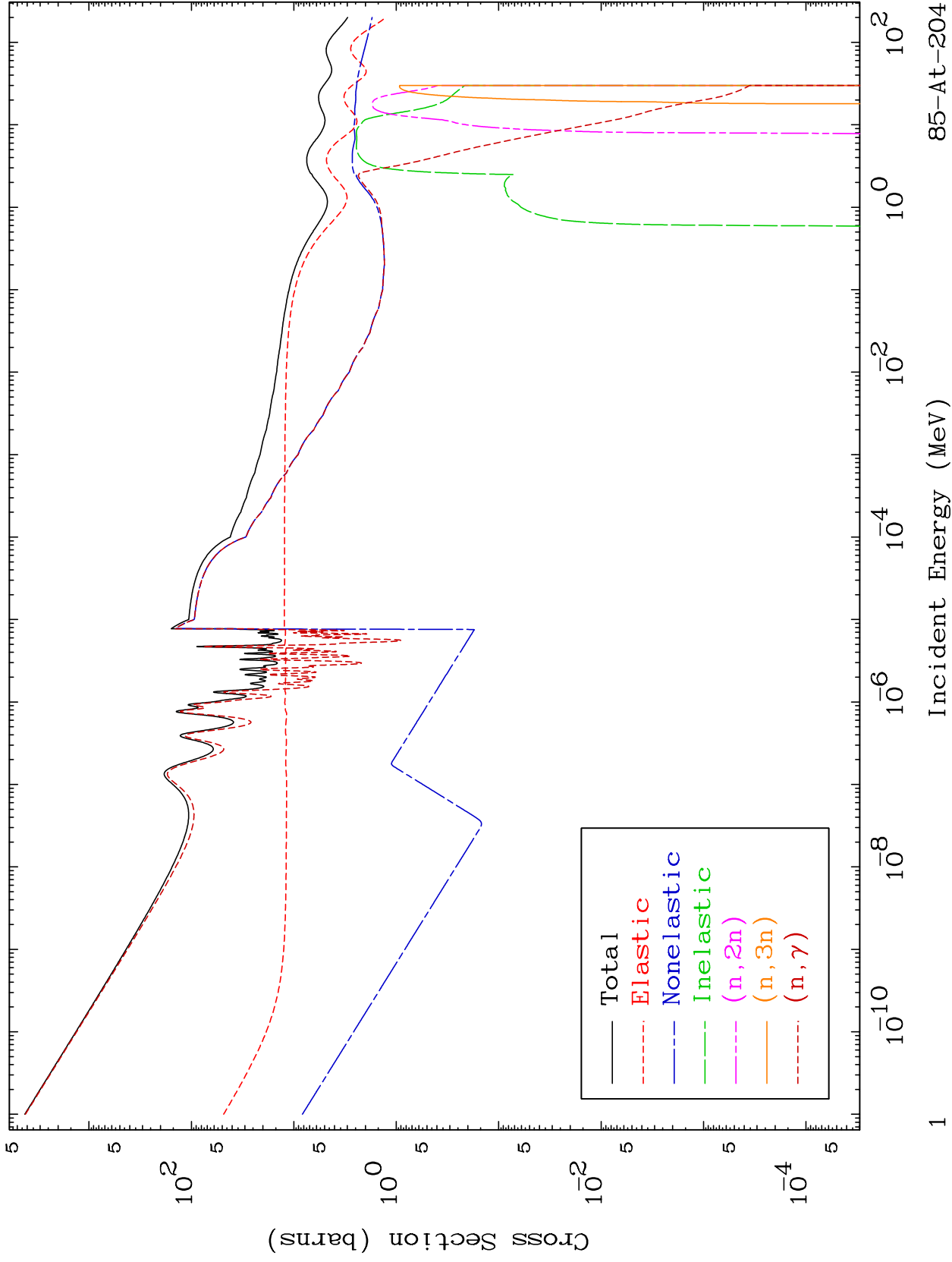
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8528

Neutron Major
293 Kelvin Cross Sections

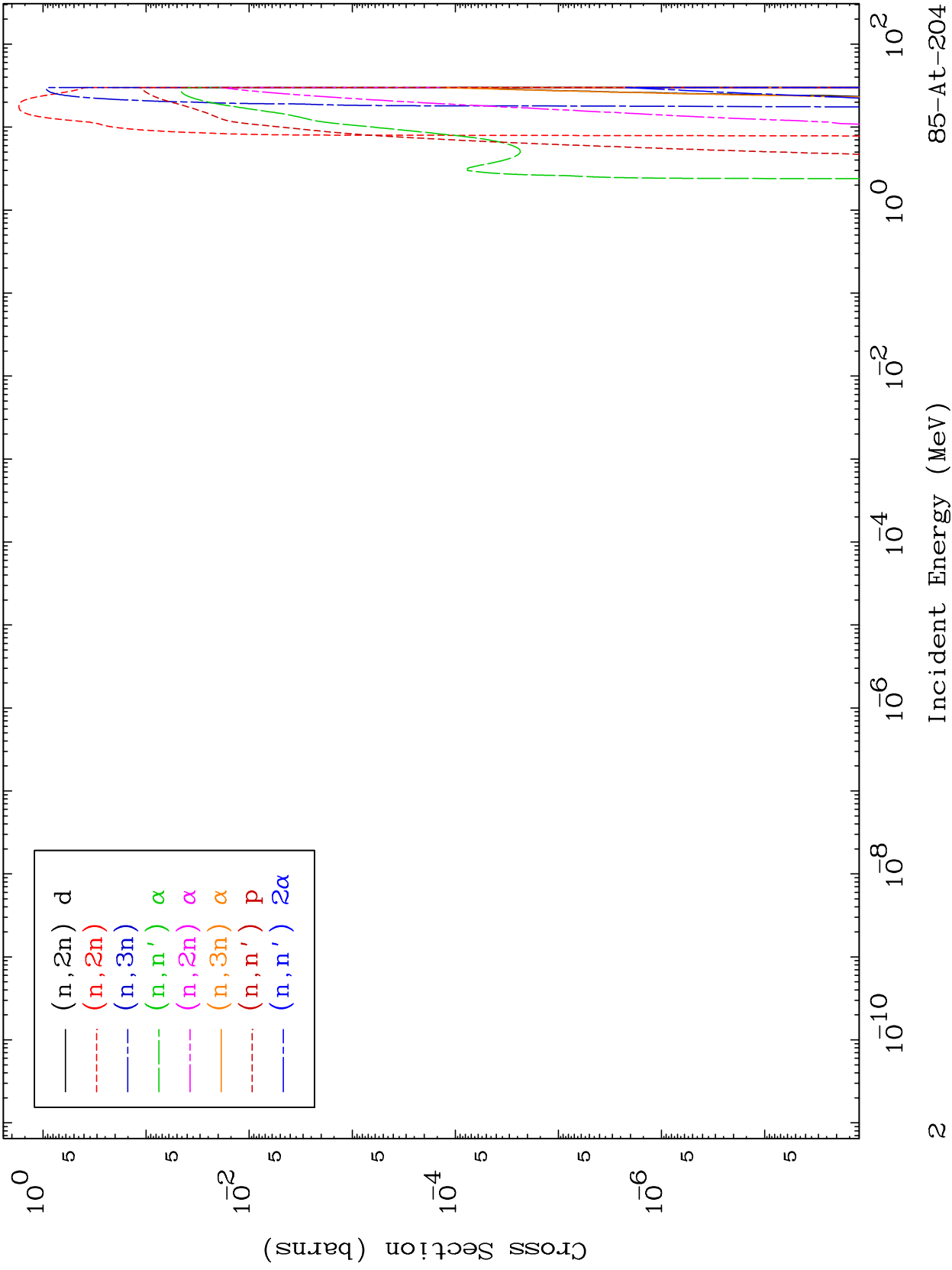
85-At-204



MAT 8528

Neutron Absorption
293 Kelvin Cross Sections

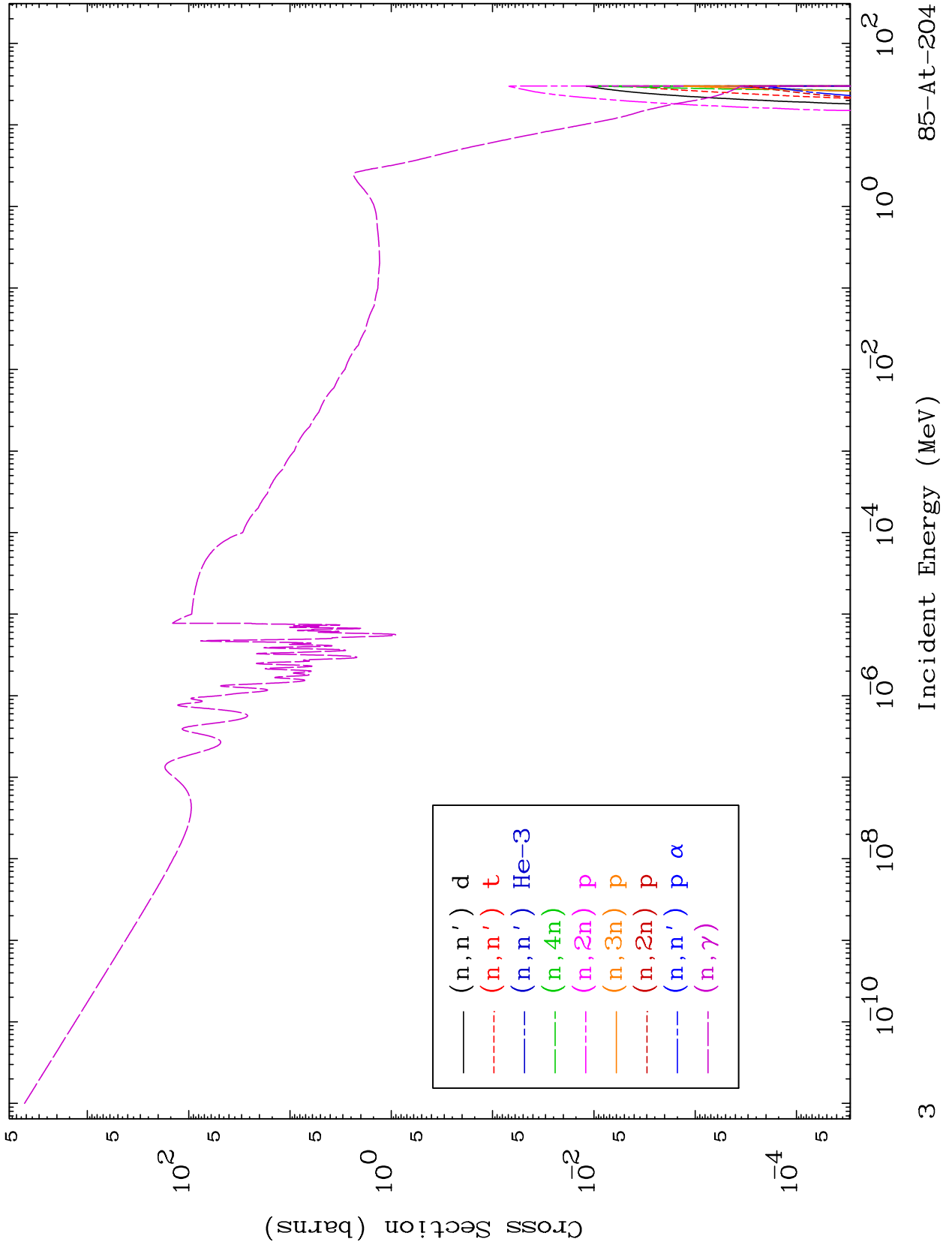
85-At-204



MAT 8528

Neutron Absorption
293 Kelvin Cross Sections

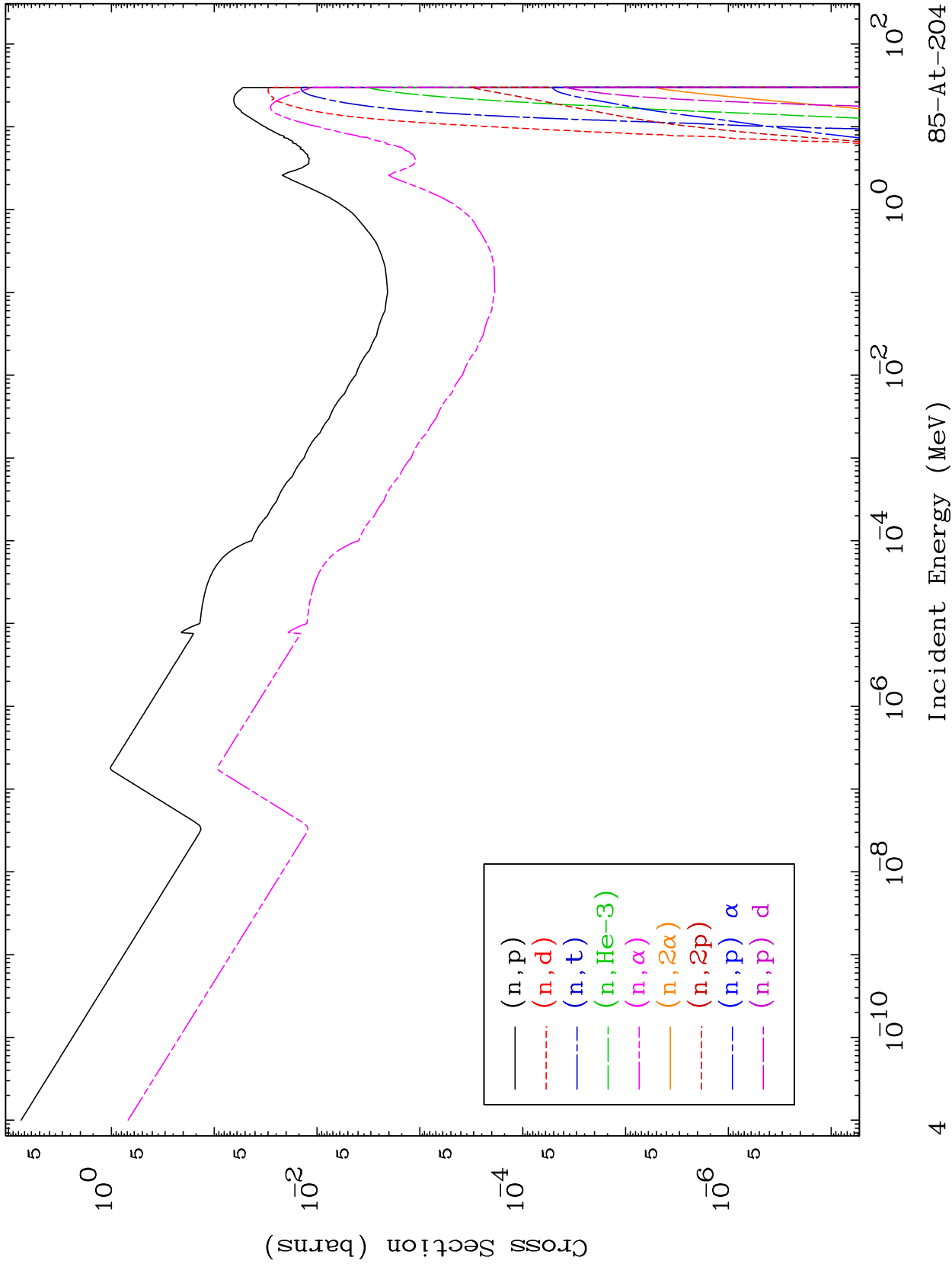
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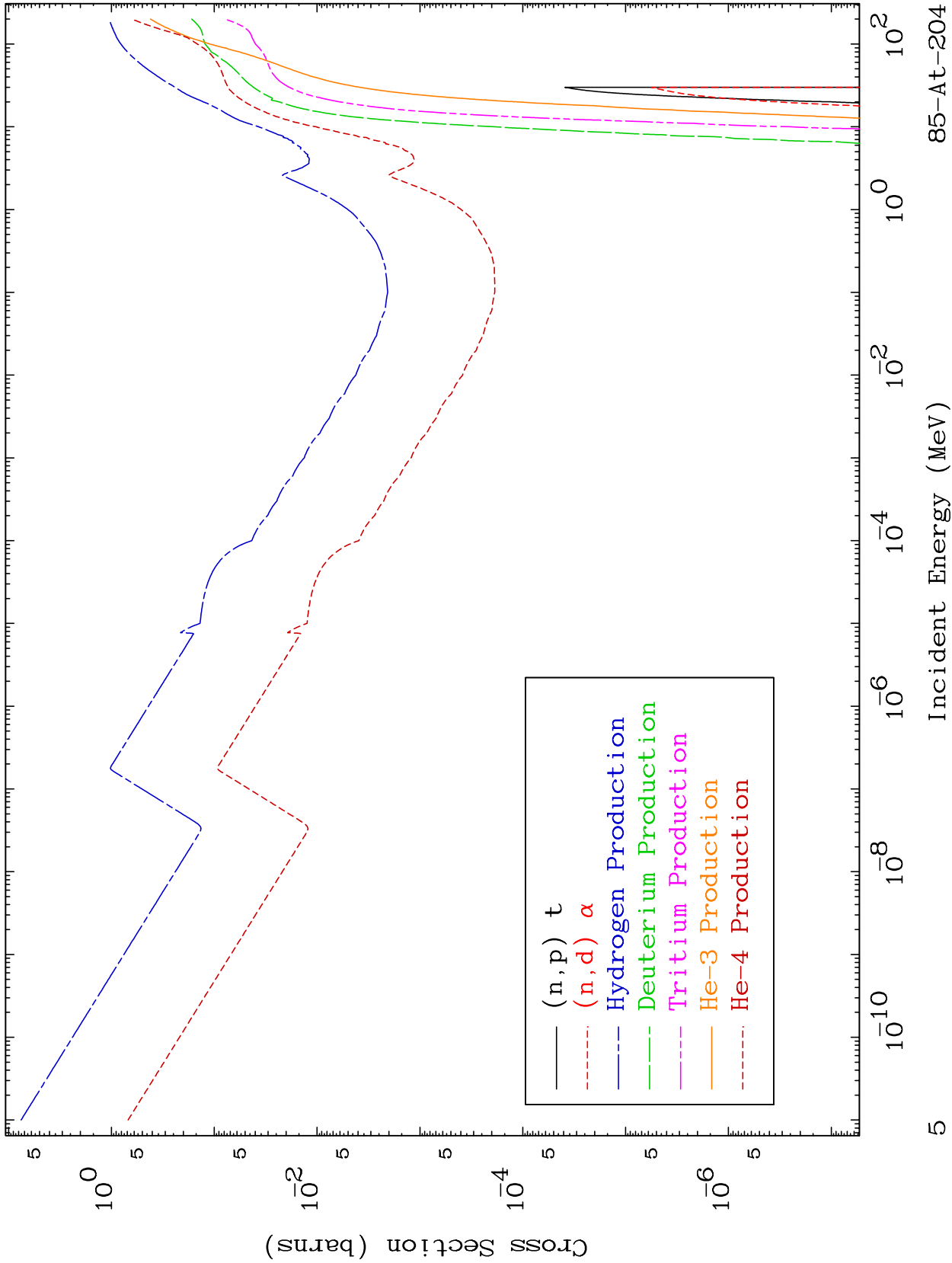


MAT 8528

Neutron Absorption
293 Kelvin Cross Sections

85-At-204

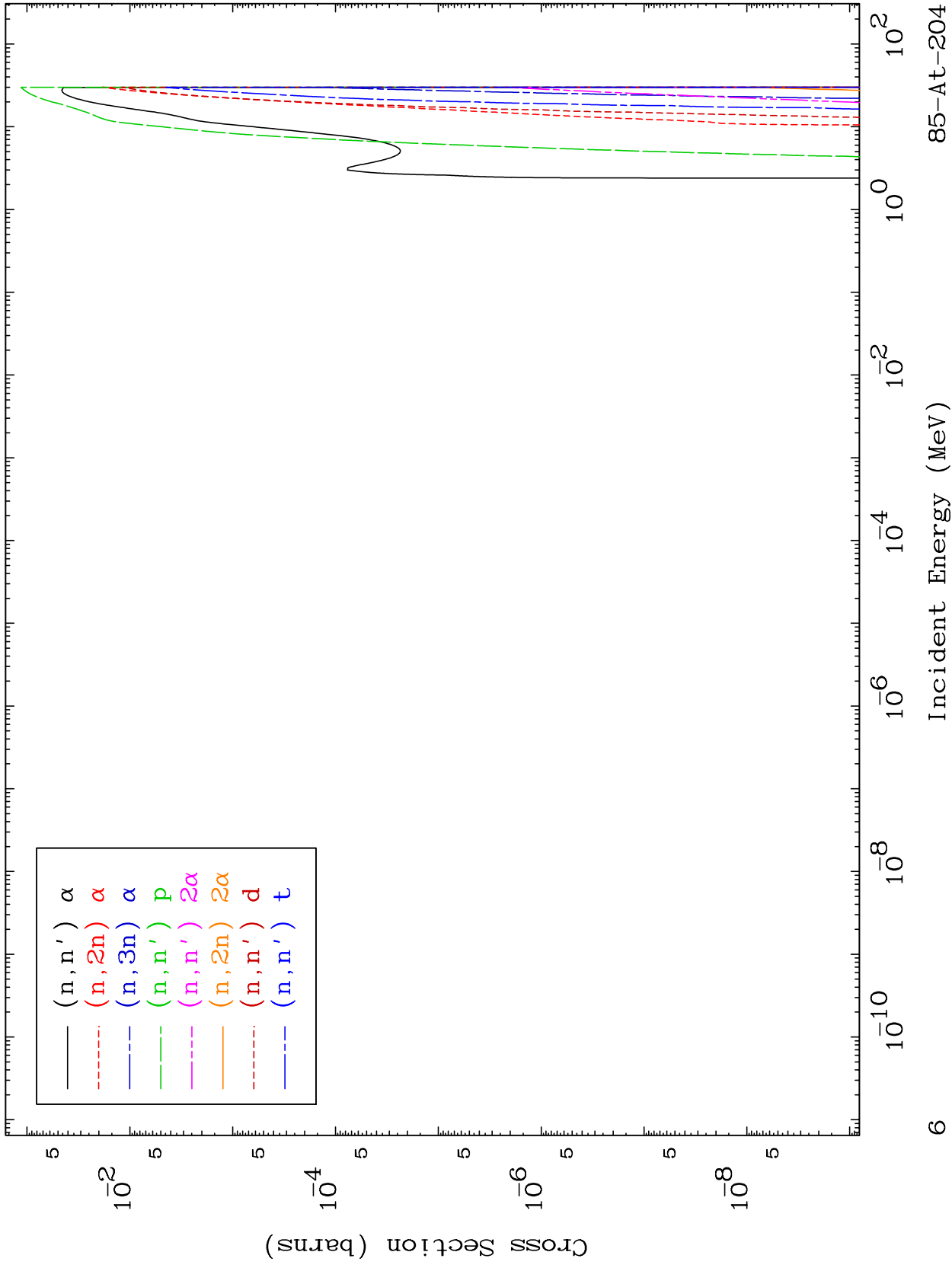




MAT 8528

Charged Particle
293 Kelvin Cross Sections

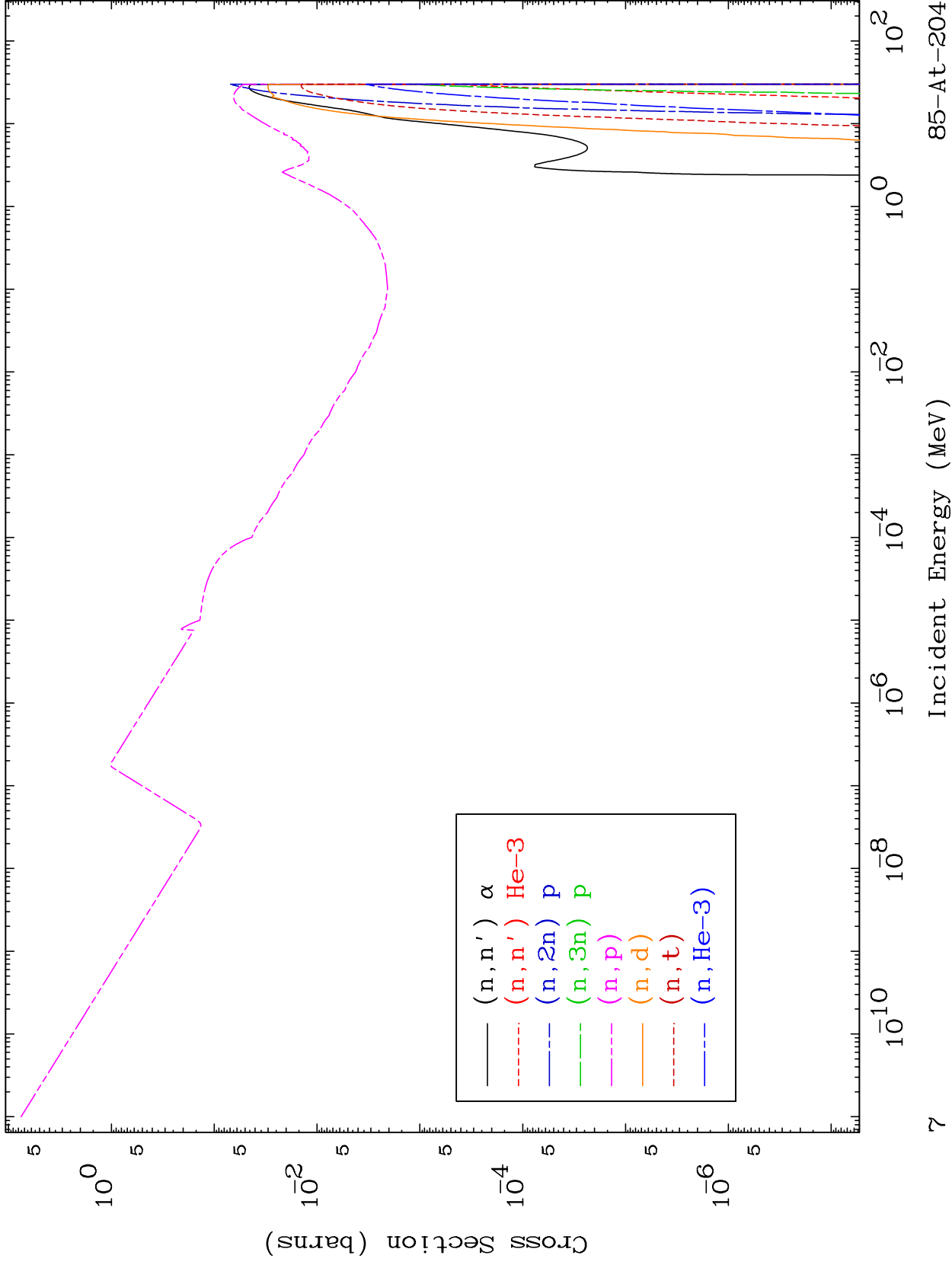
85-At-204



MAT 8528

Charged Particle
293 Kelvin Cross Sections

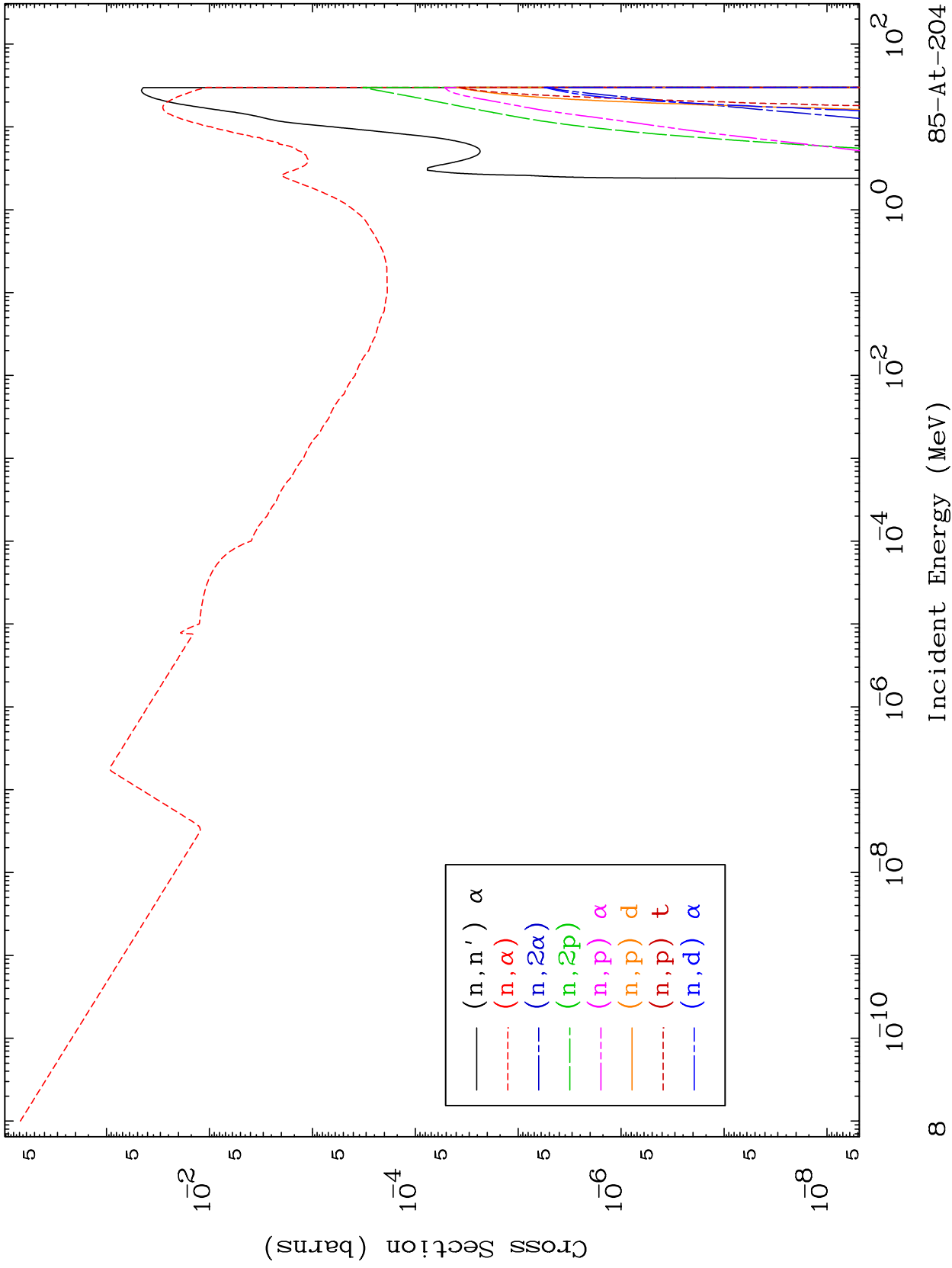
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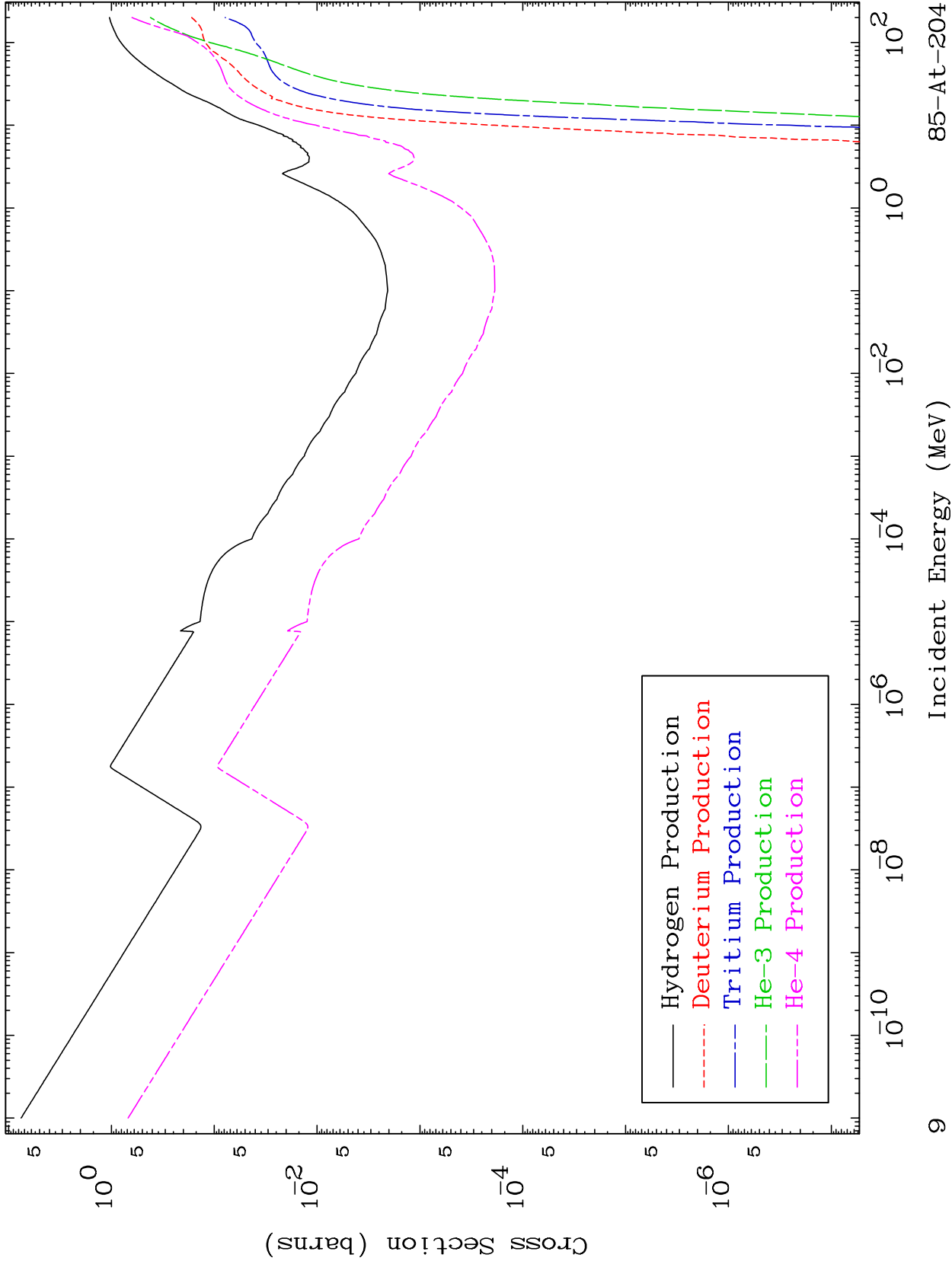


MAT 8528

Charged Particle
293 Kelvin Cross Sections

85-At-204



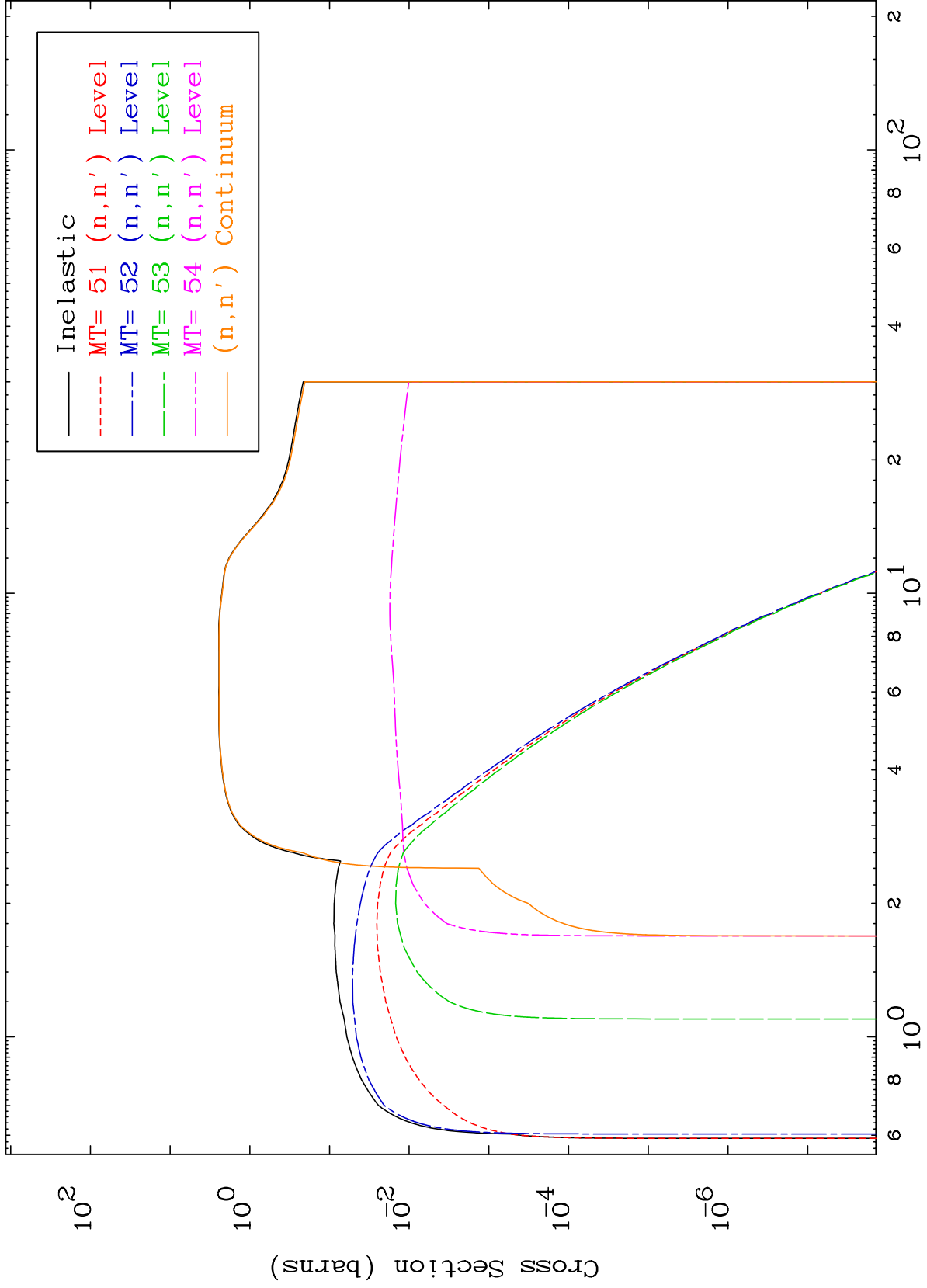


MAT 8528

(n,n') Levels

85-At-204

293 Kelvin Cross Sections



10

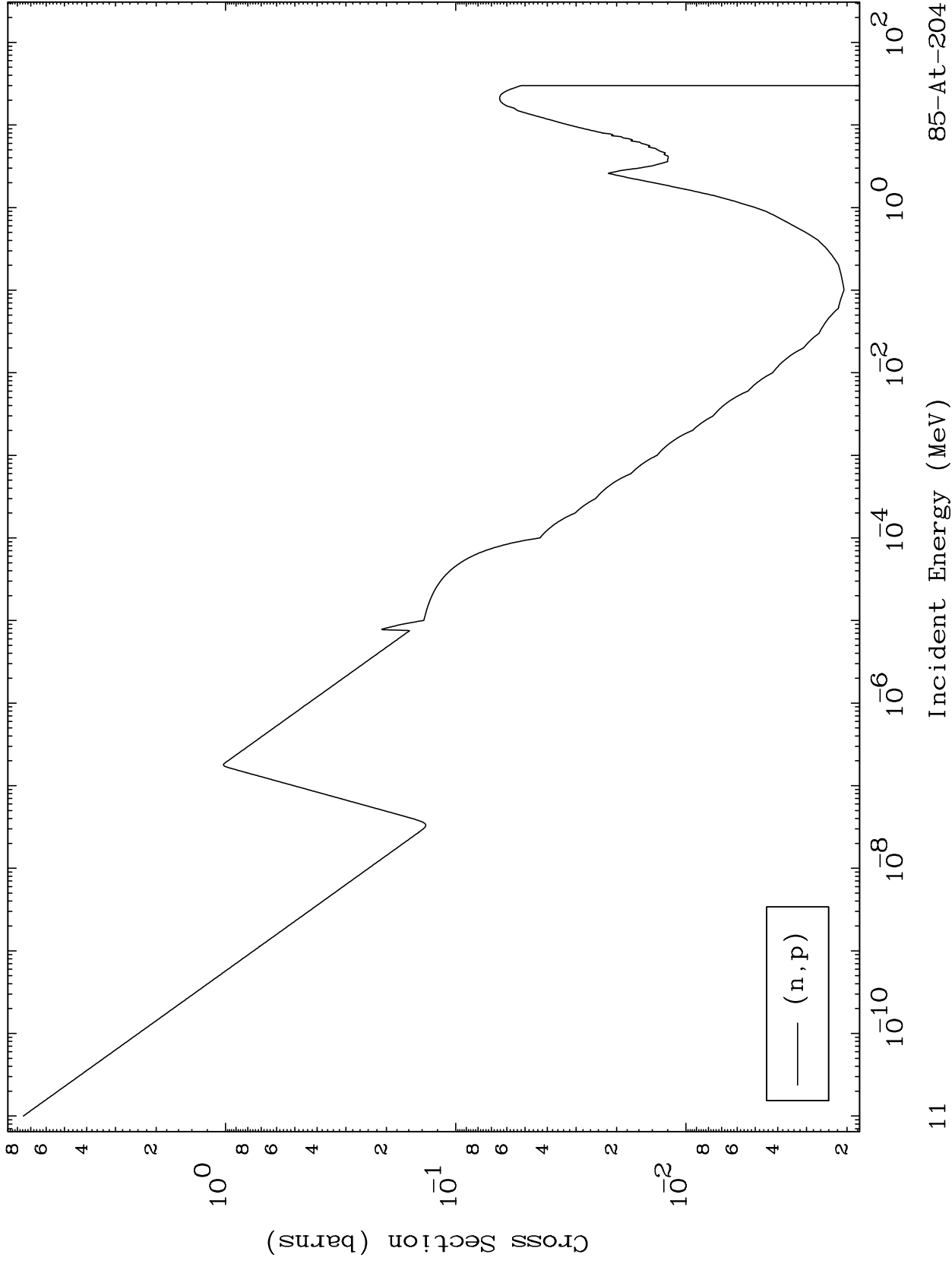
Incident Energy (MeV)

85-At-204

MAT 8528

(n,p) Levels
293 Kelvin Cross Sections

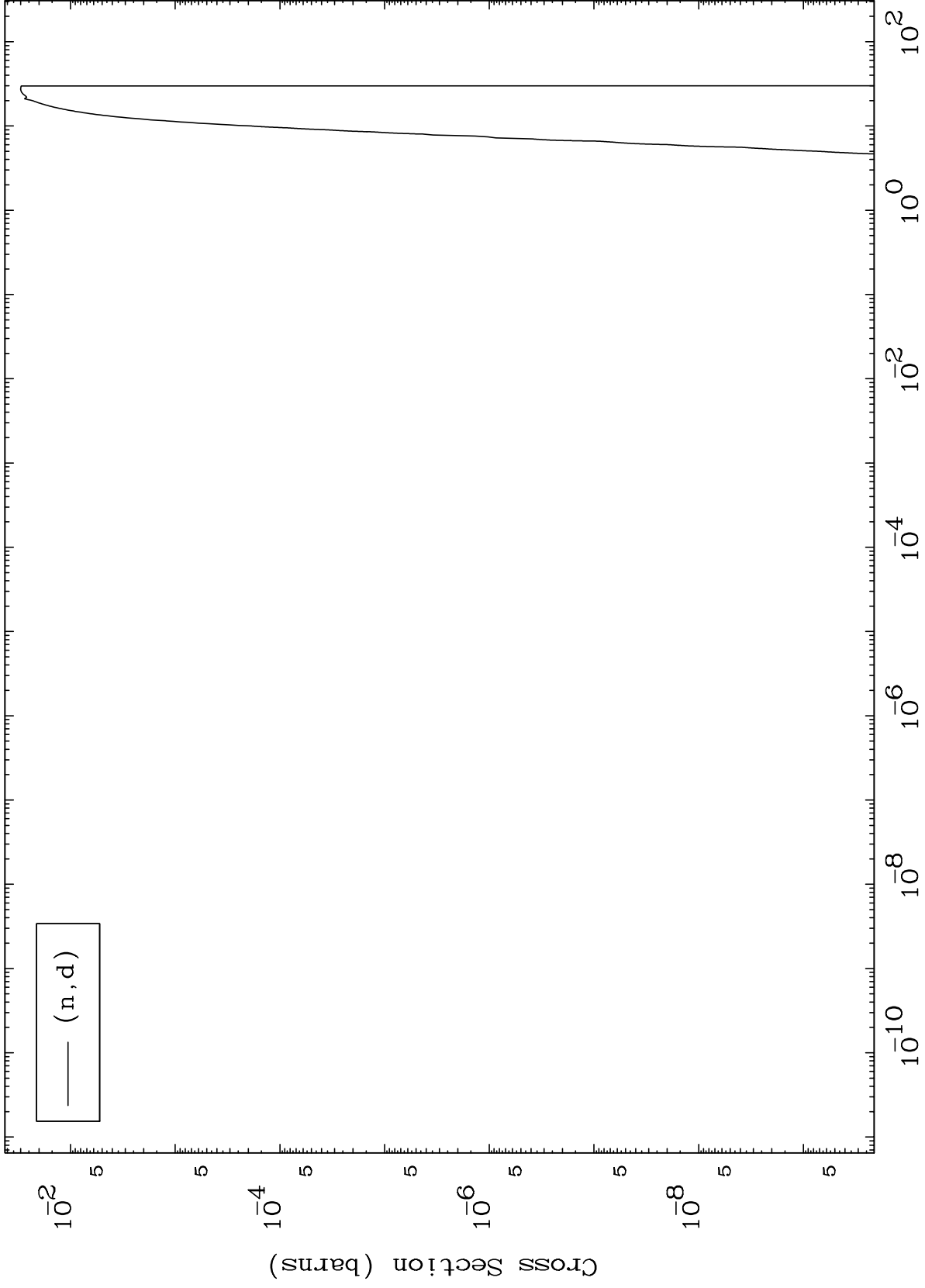
85-At-204



MAT 8528

(n,d) Levels
293 Kelvin Cross Sections

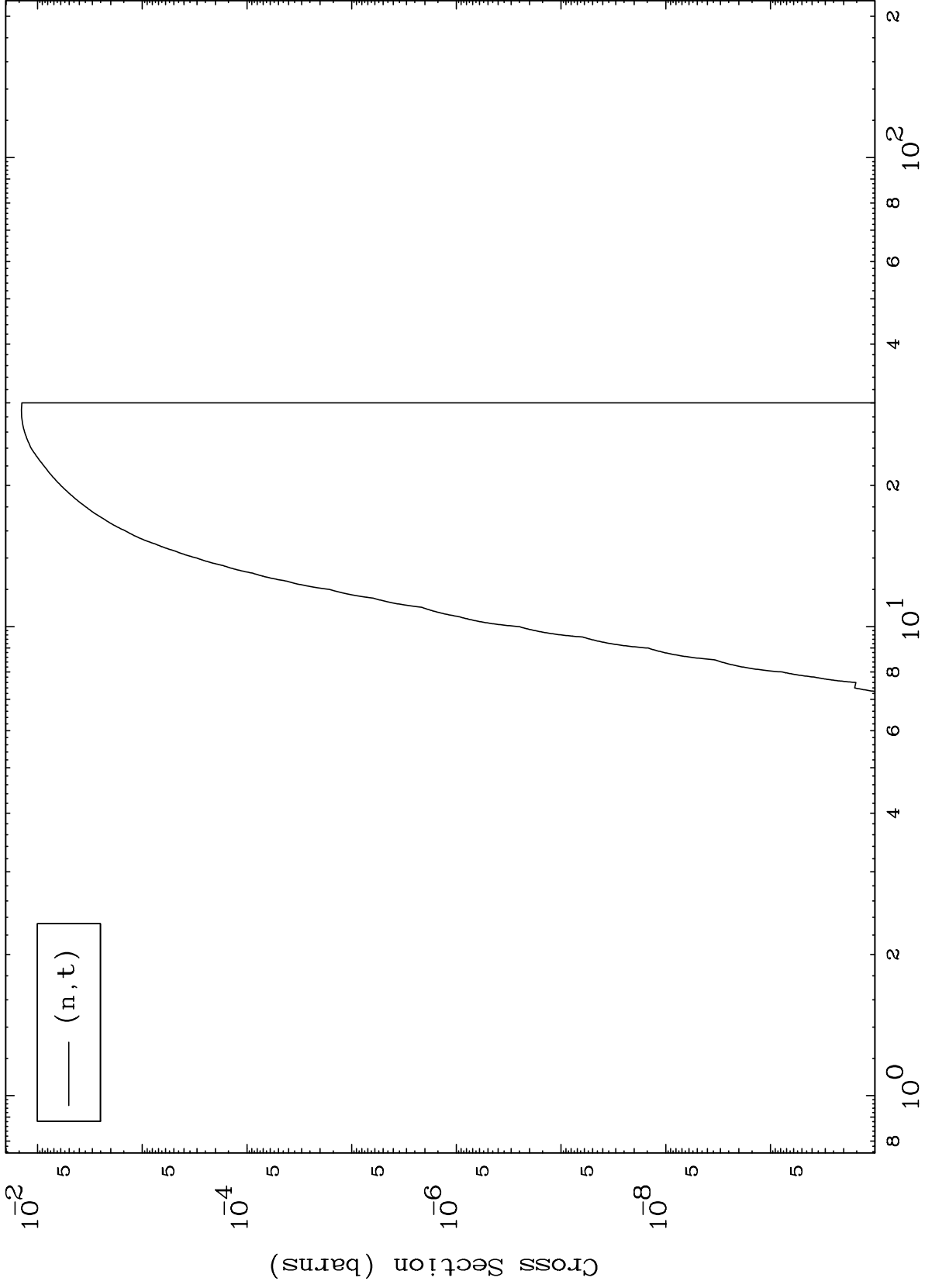
85-At-204



MAT 8528

(n,t) Levels
293 Kelvin Cross Sections

85-At-204



(n,t)

Incident Energy (MeV)

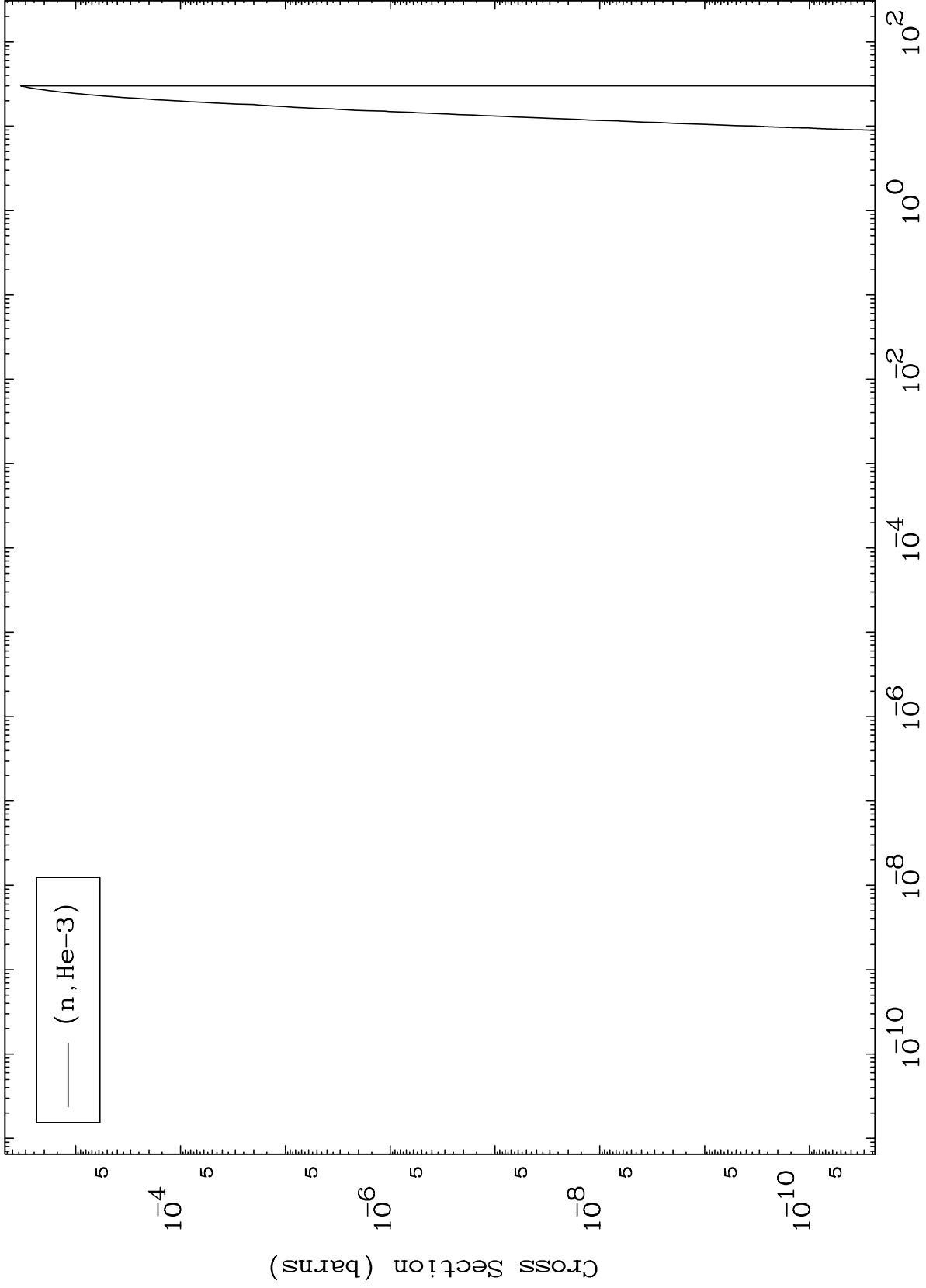
85-At-204

13

MAT 8528

(n,He3) Levels
293 Kelvin Cross Sections

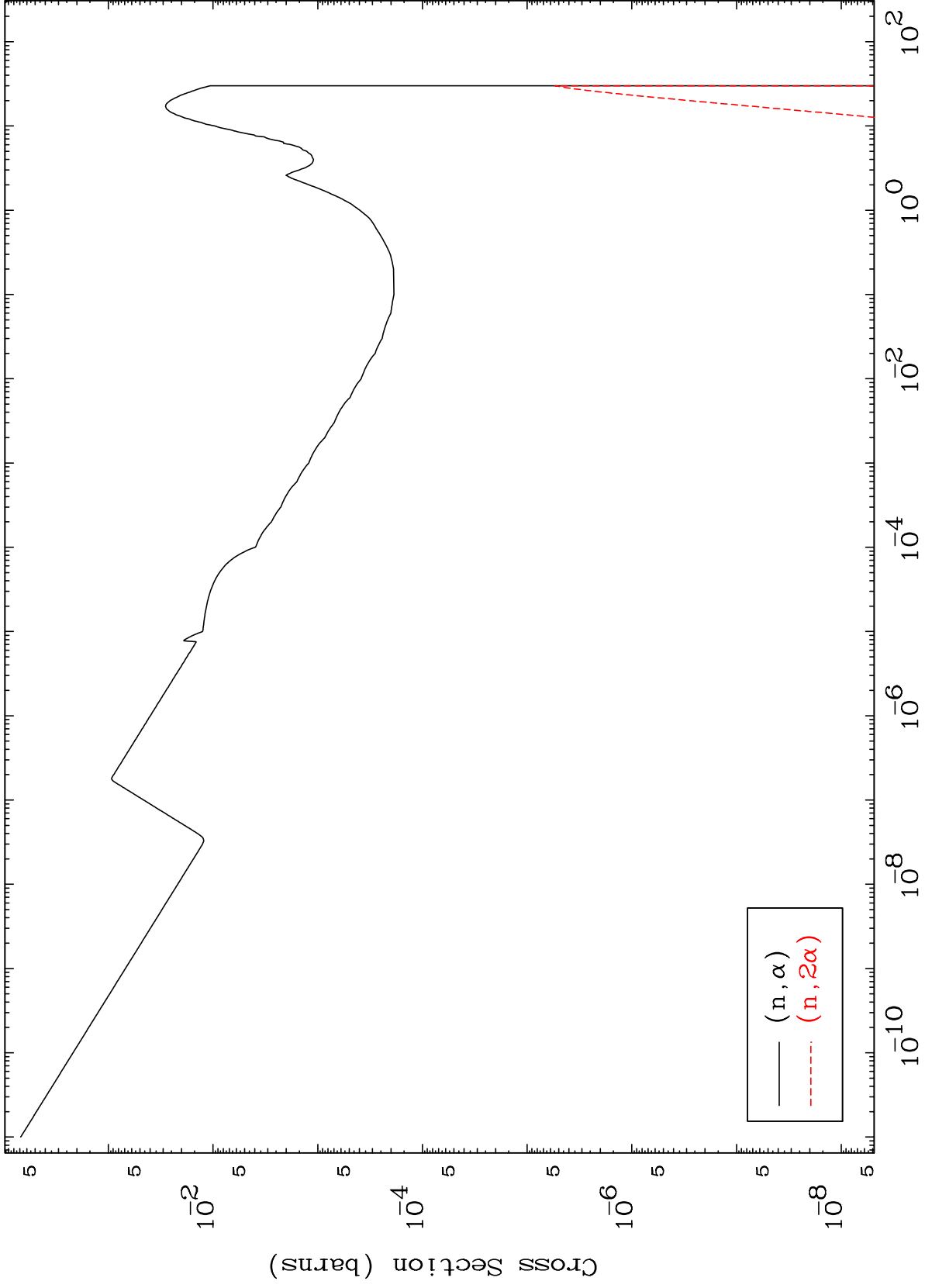
85-At-204



MAT 8528

(n,α) Levels
293 Kelvin Cross Sections

85-At-204



15

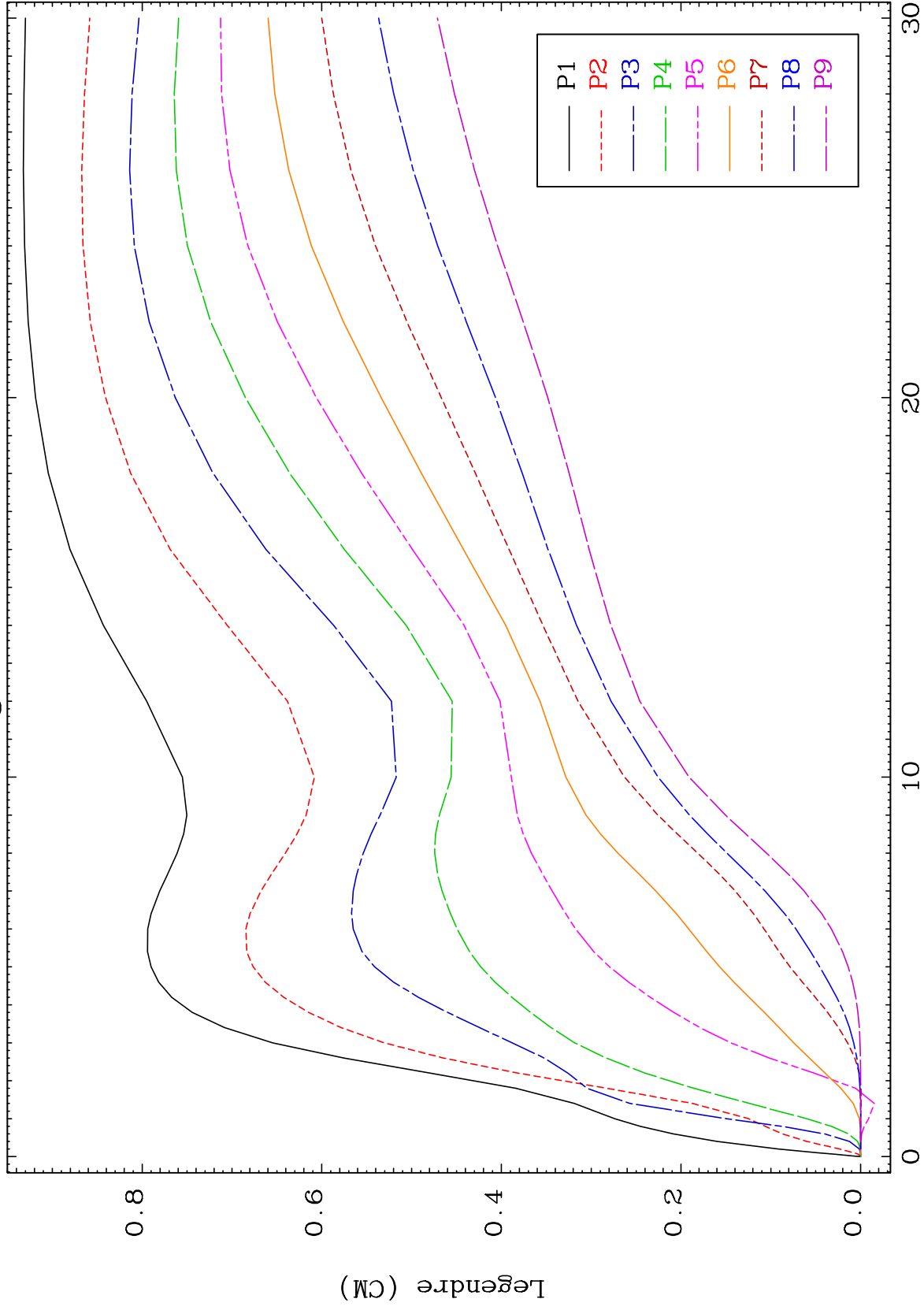
Incident Energy (MeV)

85-At-204

MAT 8528

Elastic Legendre Coefficients

85-At-204



16

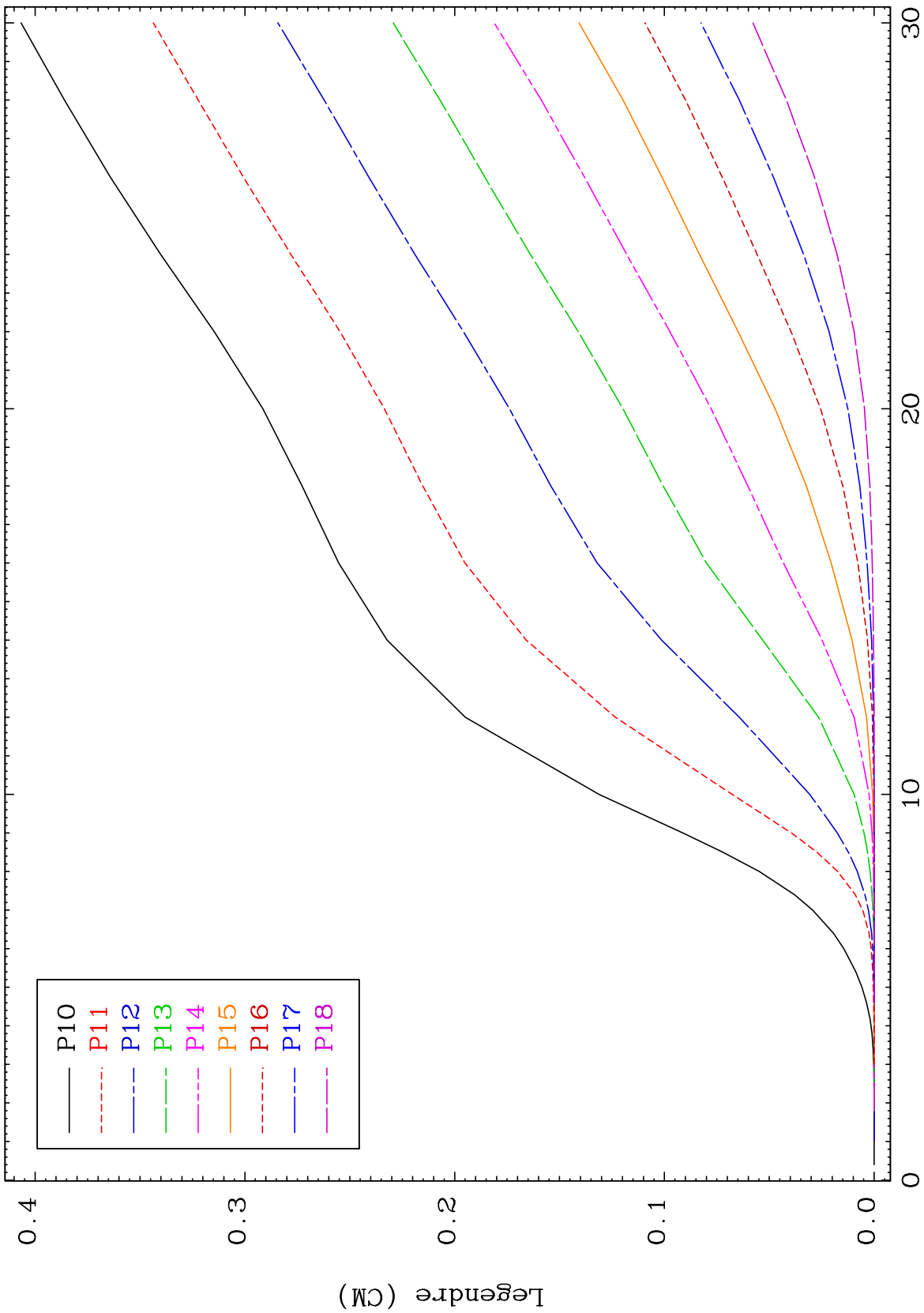
Incident Energy (MeV)

85-At-204

MAT 8528

Elastic Legendre Coefficients

85-At-204



17

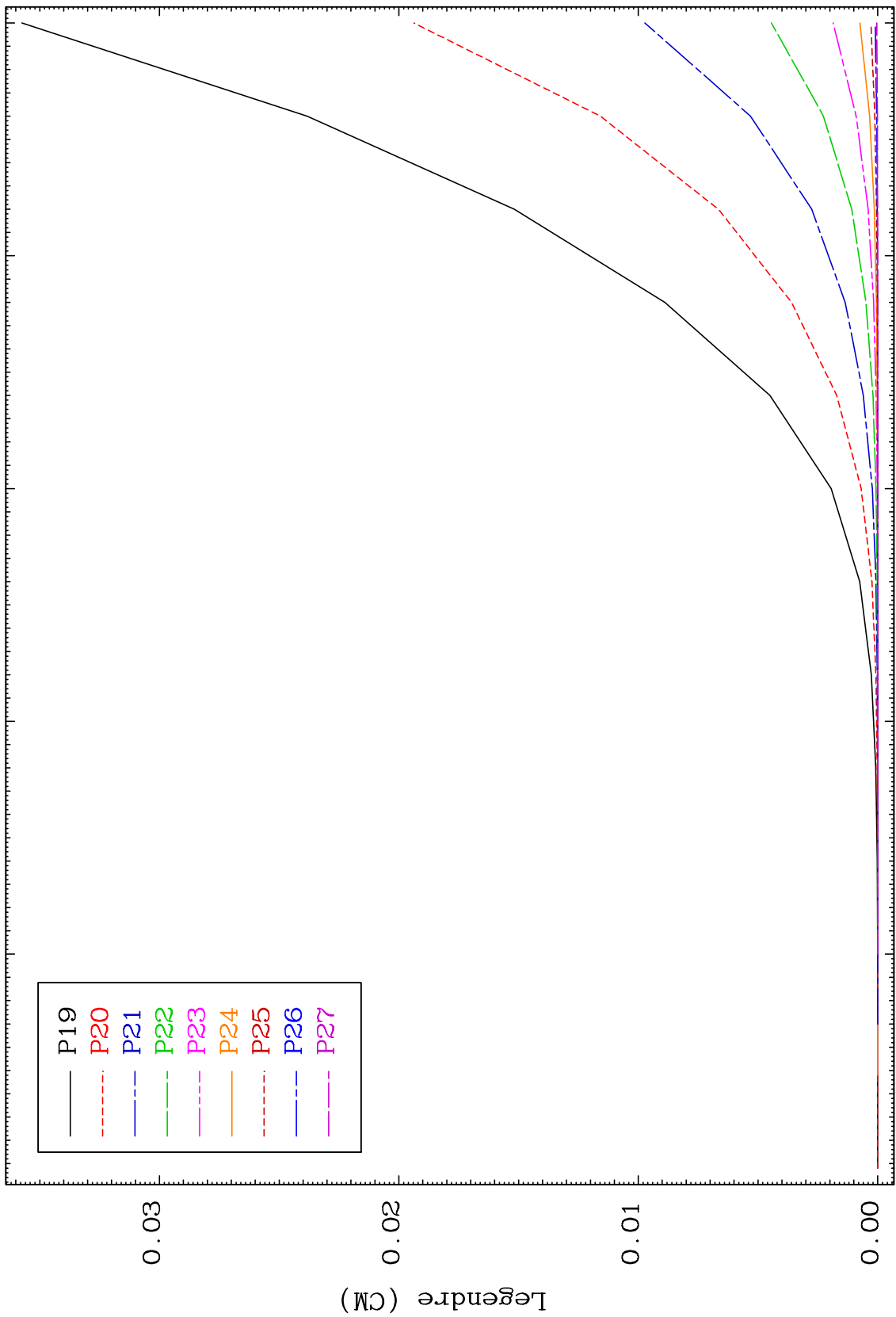
Incident Energy (MeV)

85-At-204

MAT 8528

Elastic Legendre Coefficients

85-At-204



18

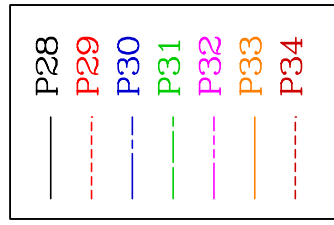
Incident Energy (MeV)

85-At-204

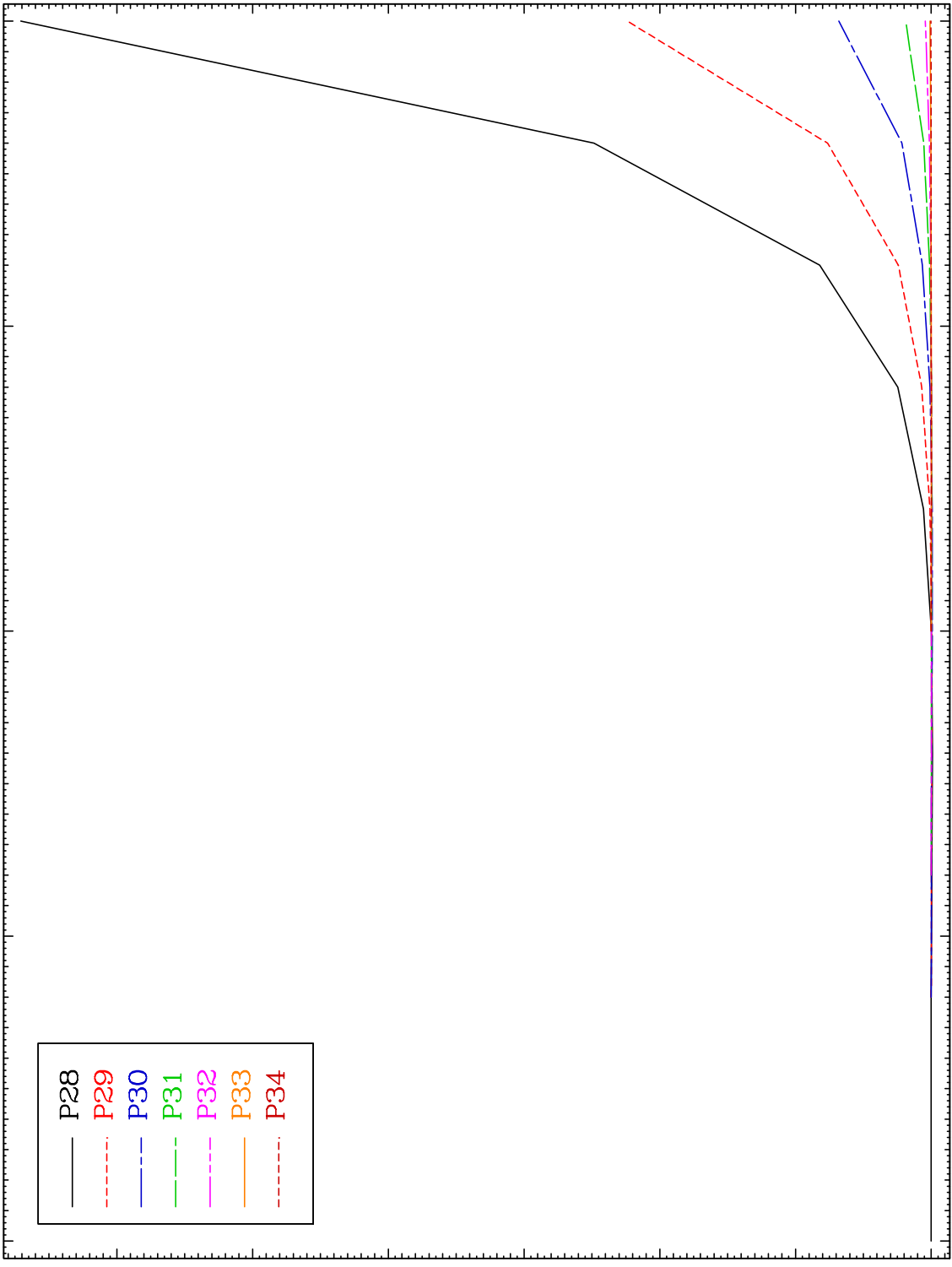
MAT 8528

Elastic Legendre Coefficients

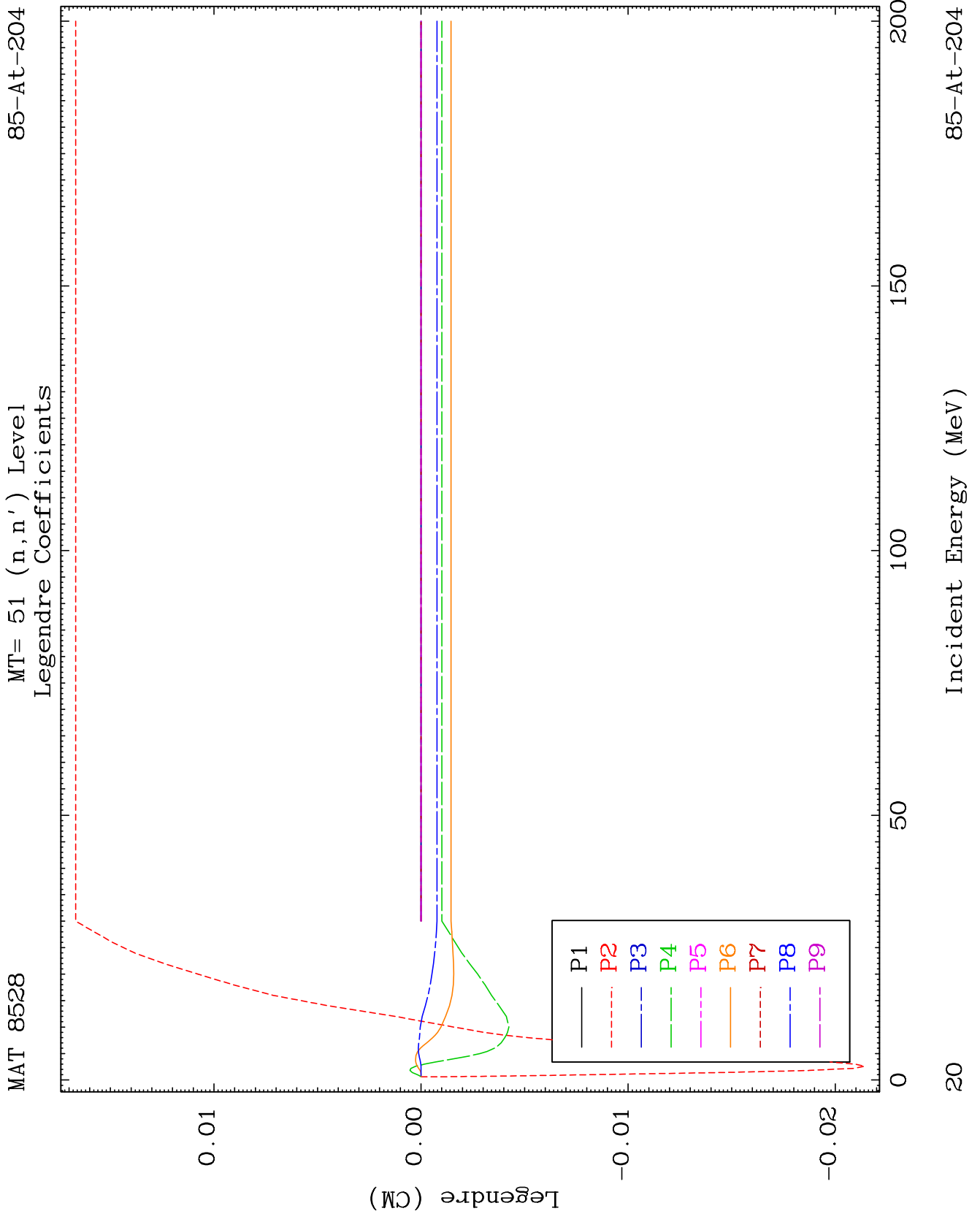
85-At-204



$\times 10^{-5}$
1.2
1.0
0.8
0.6
0.4
0.2
0.0



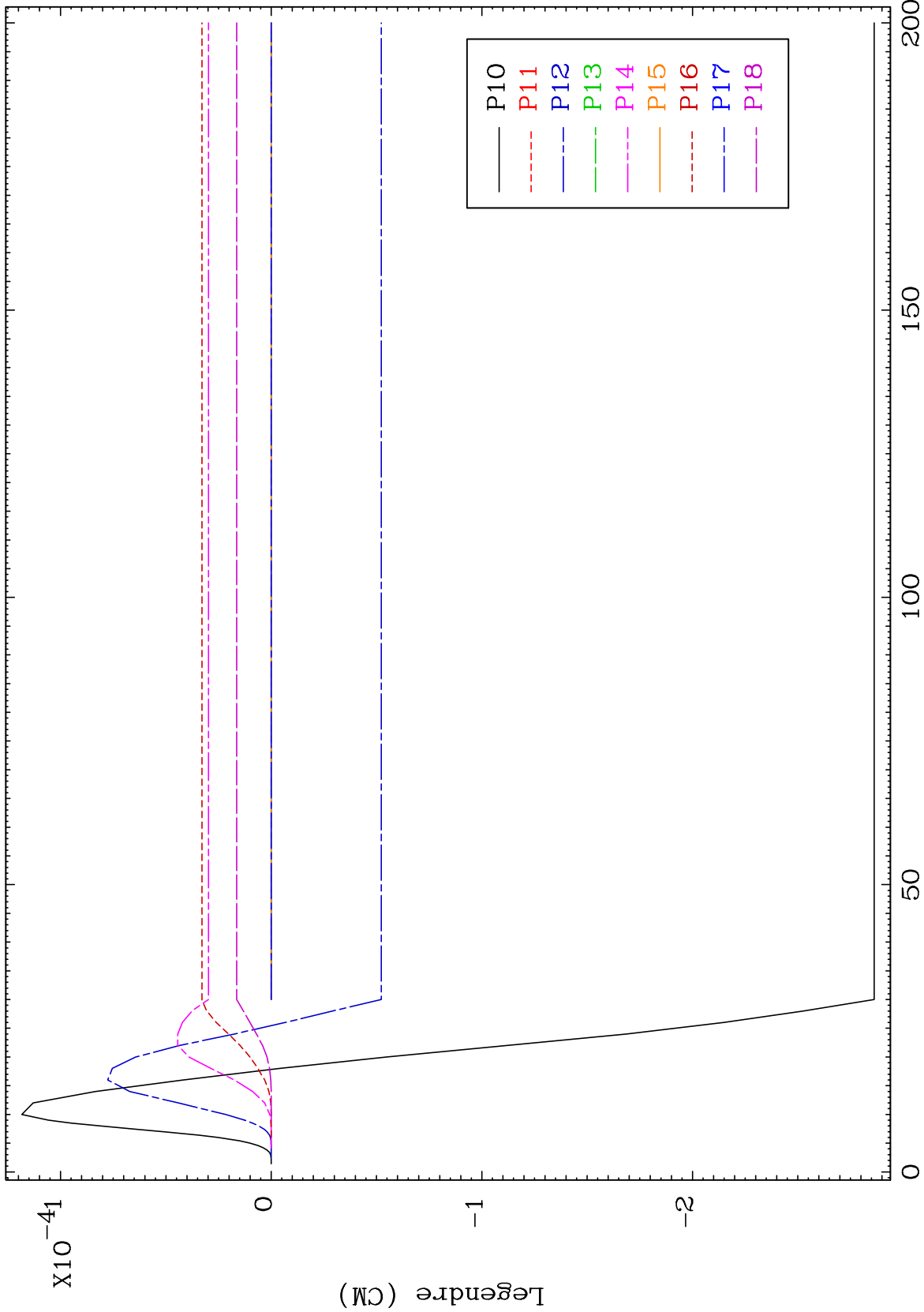
10 15 20 25 30
Incident Energy (MeV)
85-At-204



MAT 8528

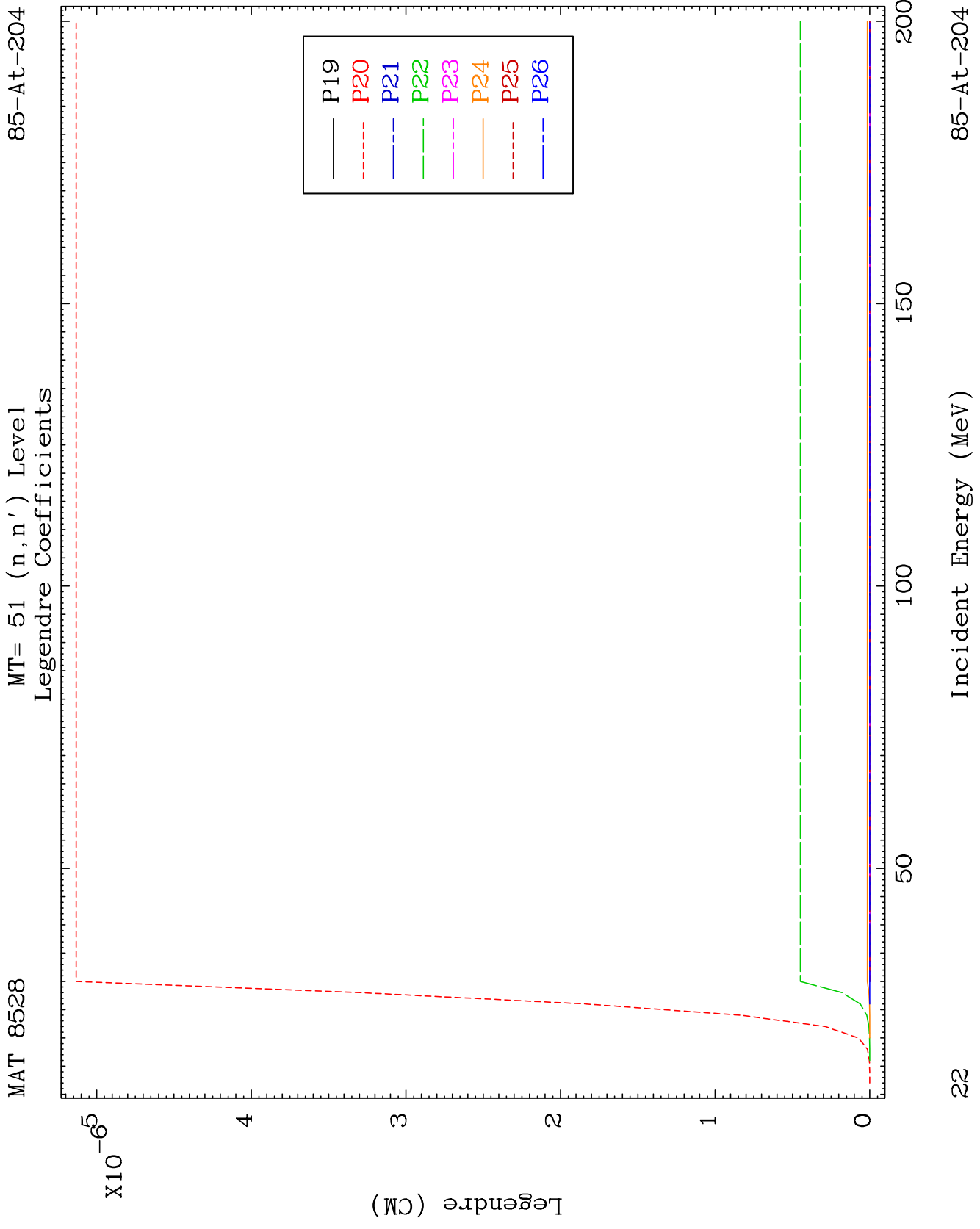
MT= 51 (n,n') Level
Legendre Coefficients

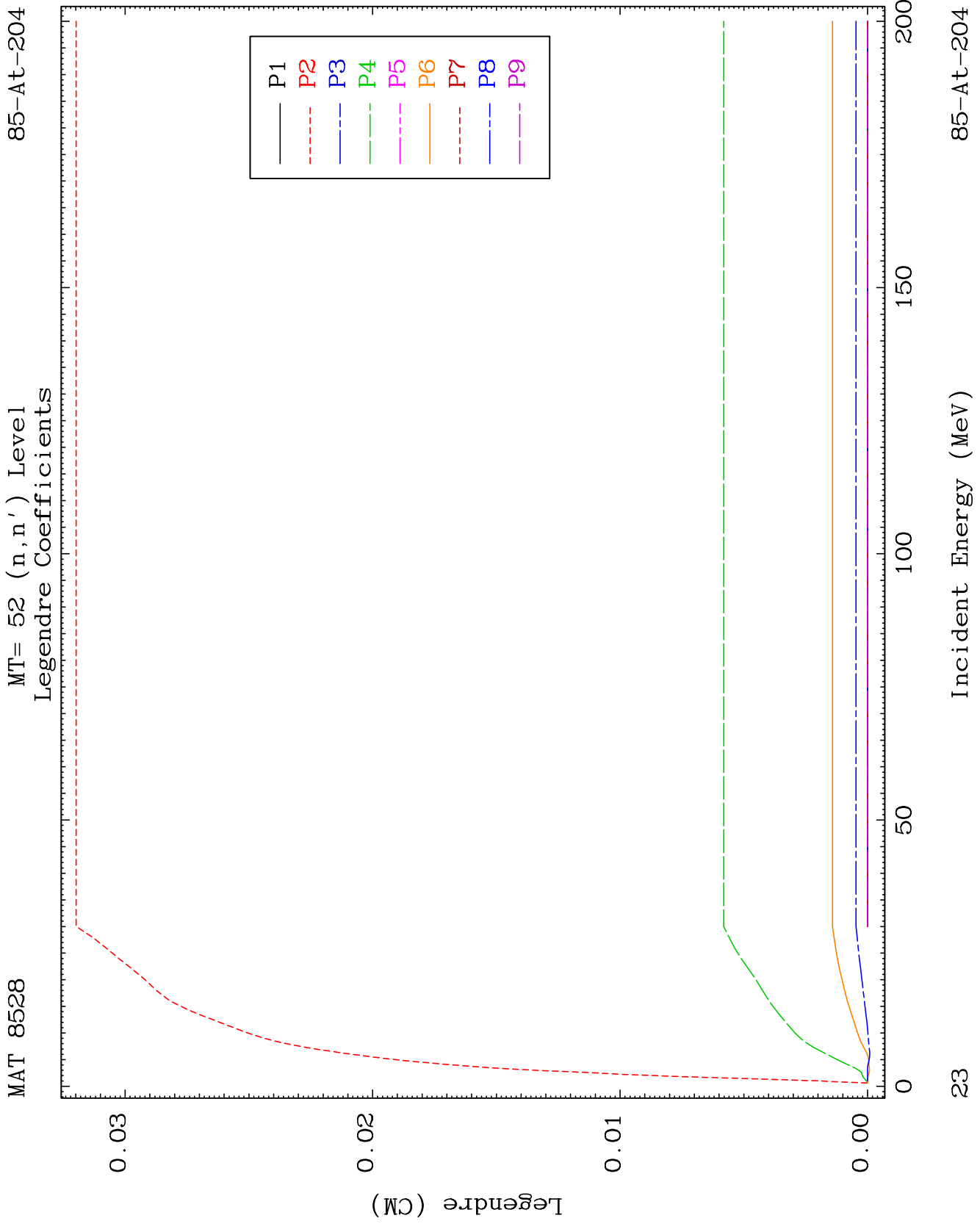
85-At-204



21

85-At-204

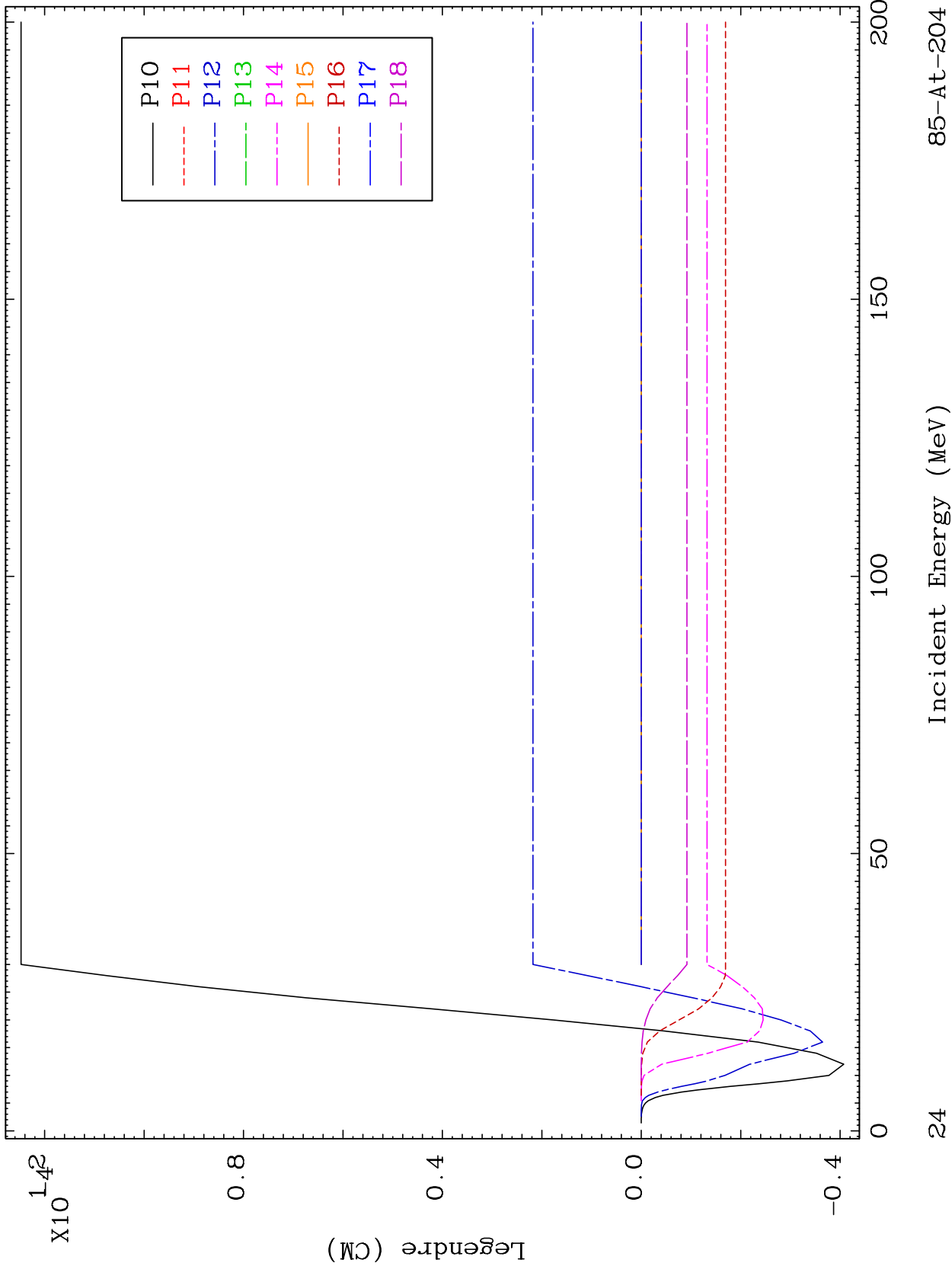




MAT 8528

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

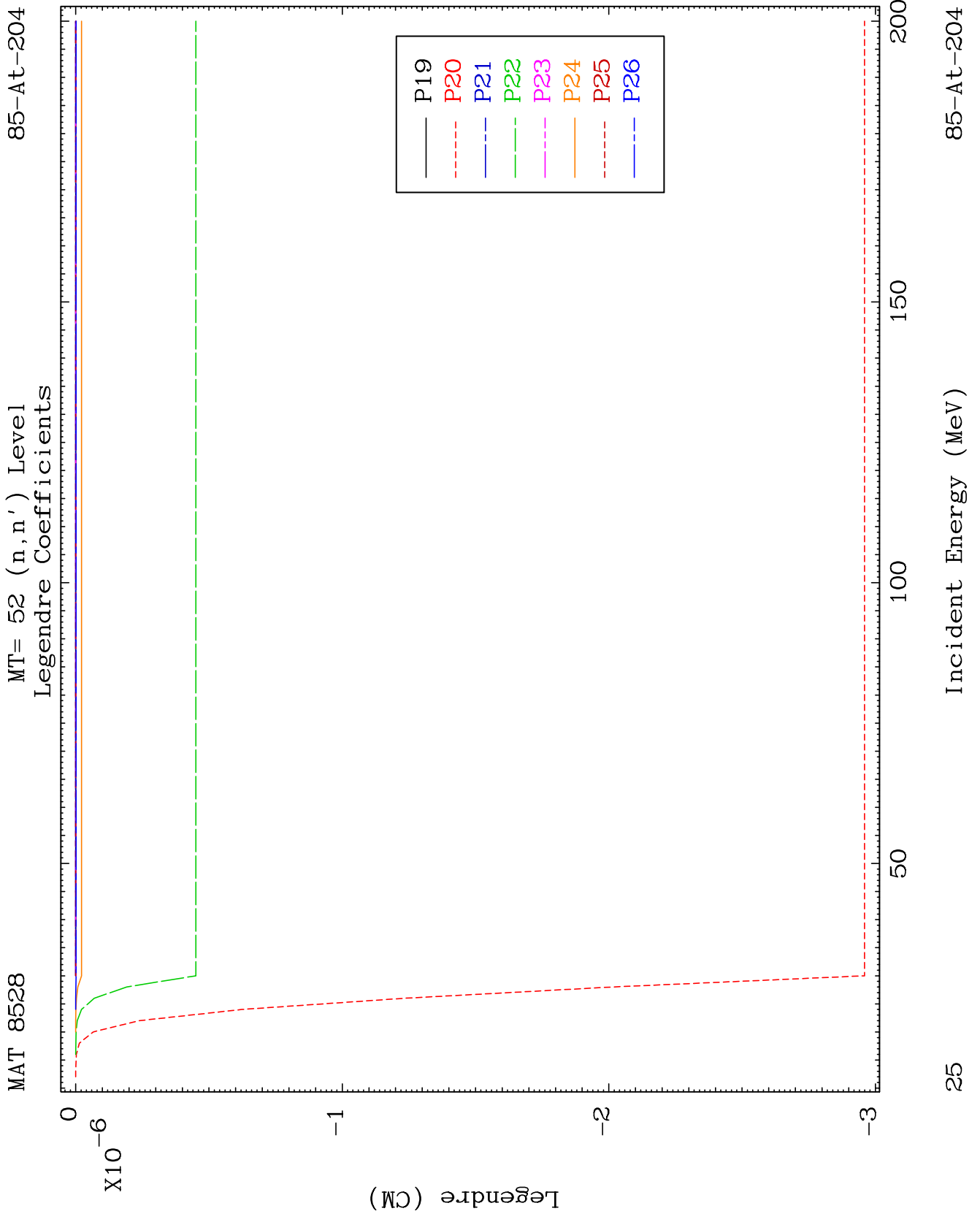
85-At-204



85-At-204

Incident Energy (MeV)

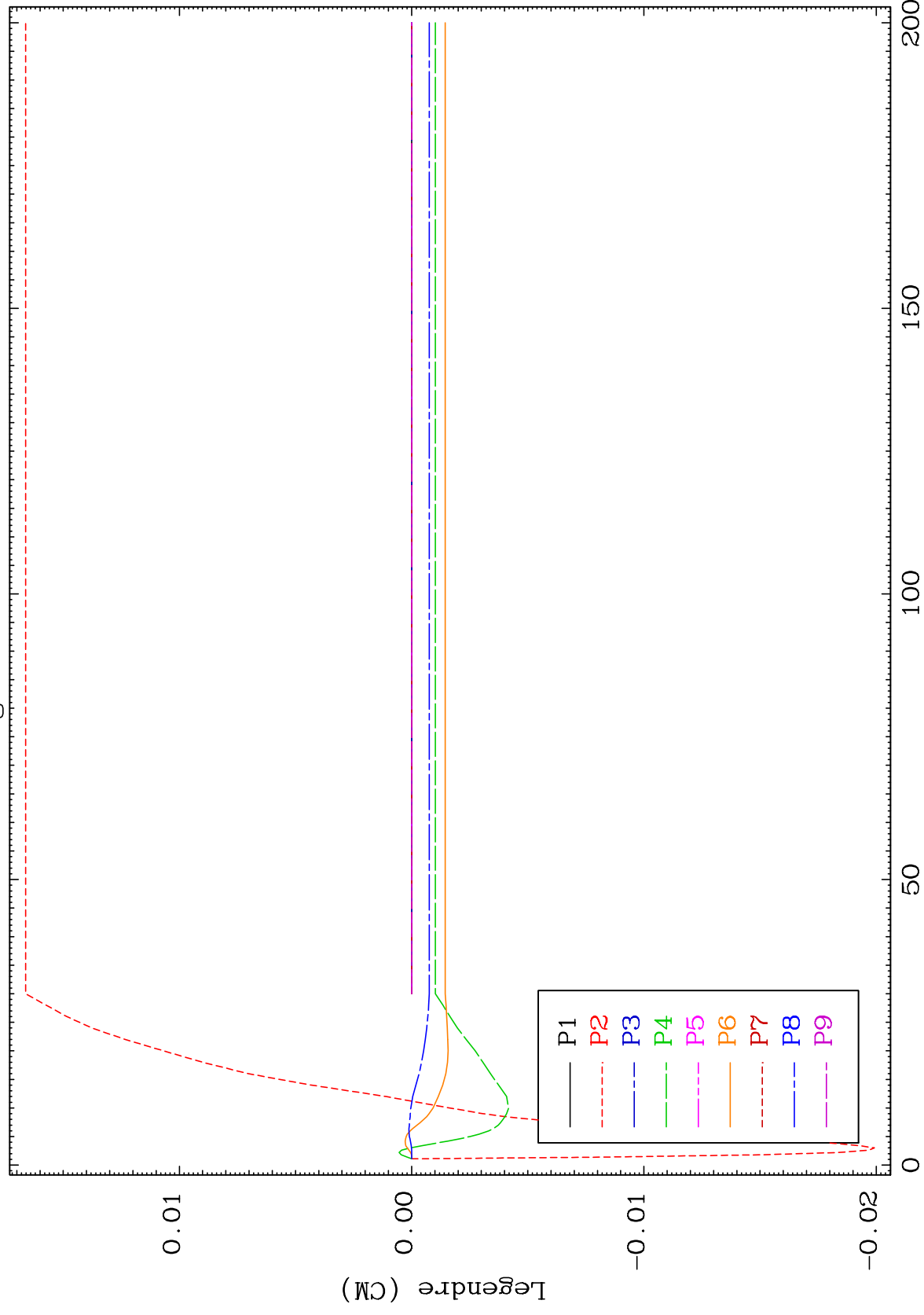
24



MAT 8528

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

85-At-204



26

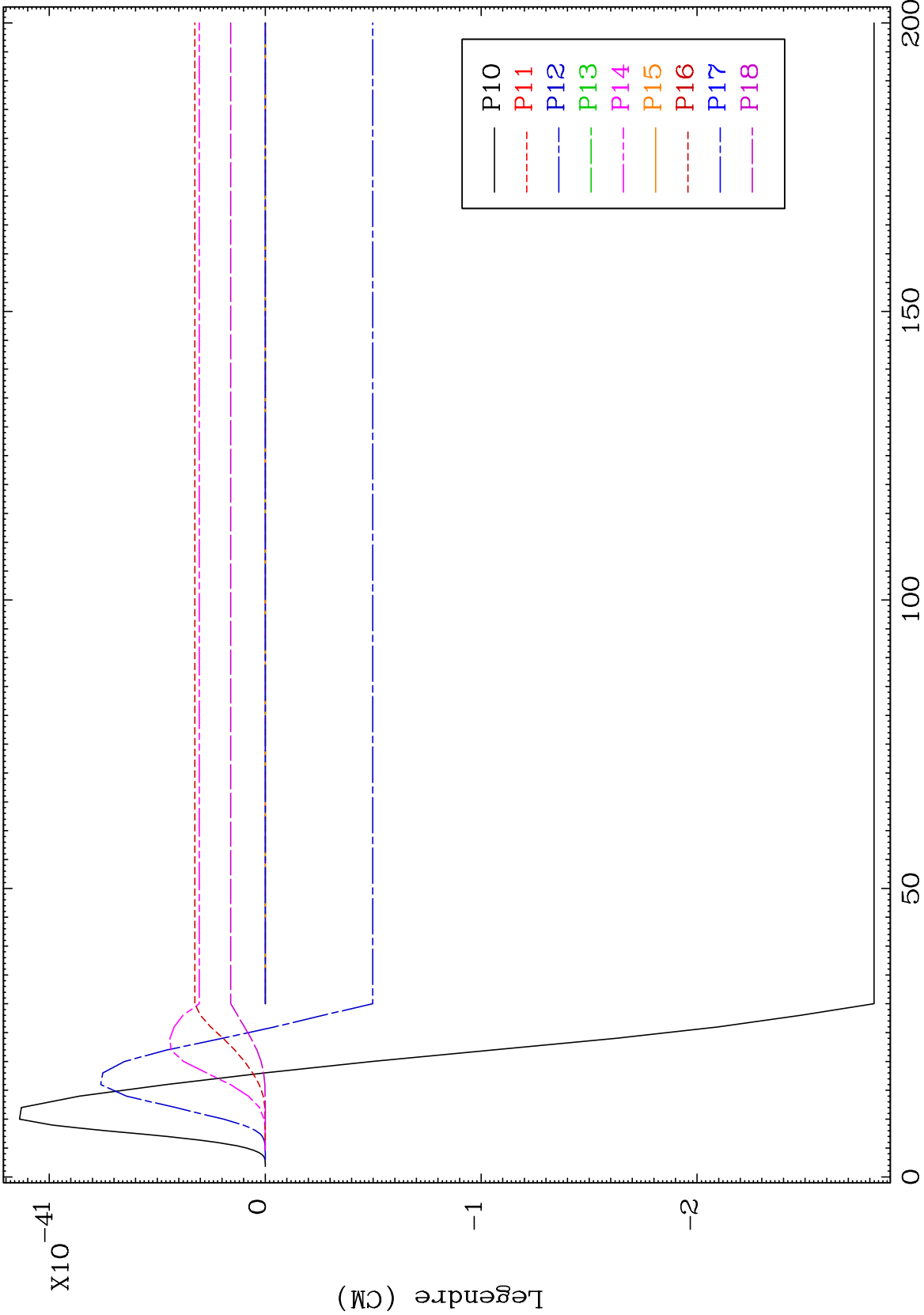
Incident Energy (MeV)

85-At-204

MAT 8528

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

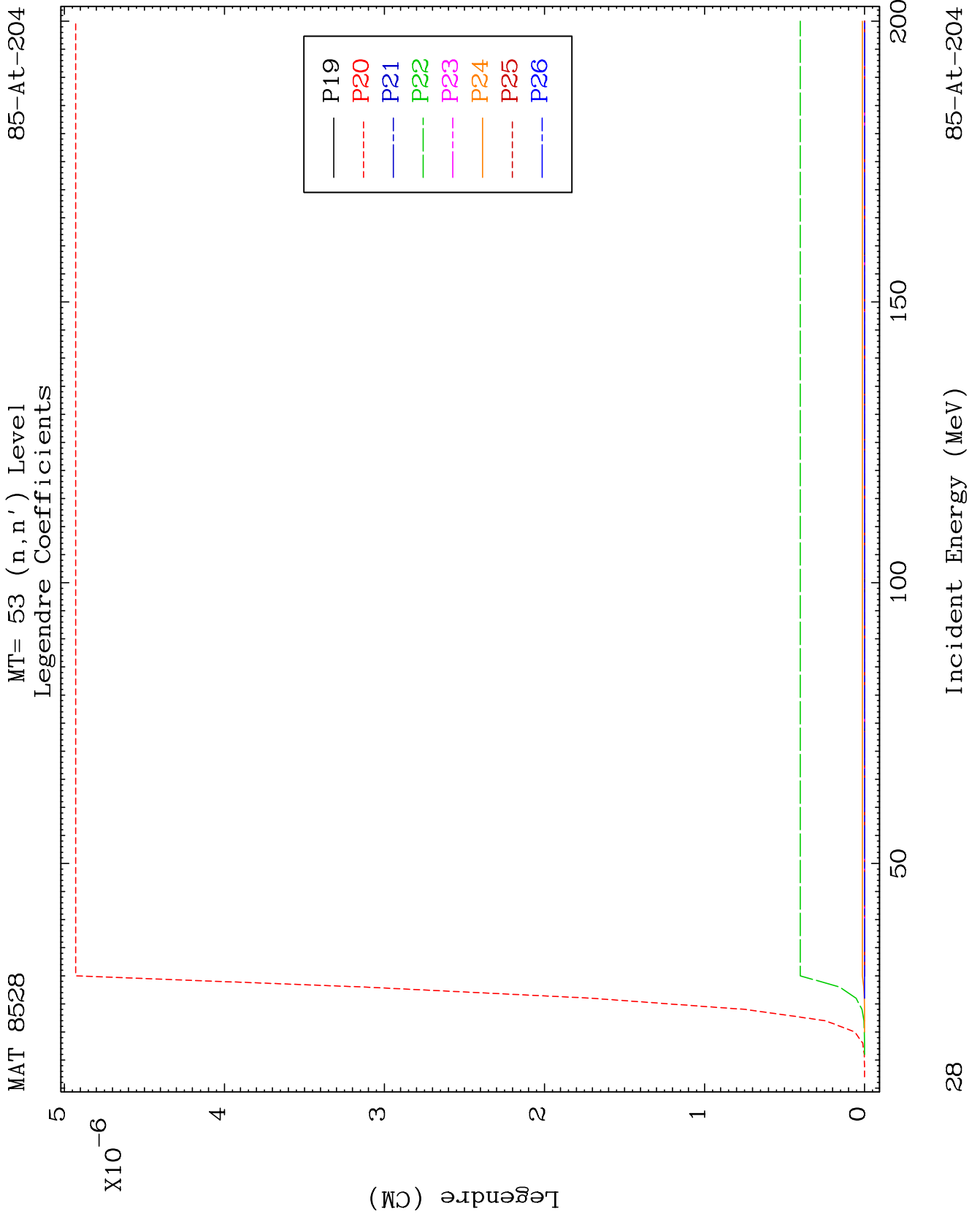
85-At-204



27

Incident Energy (MeV)

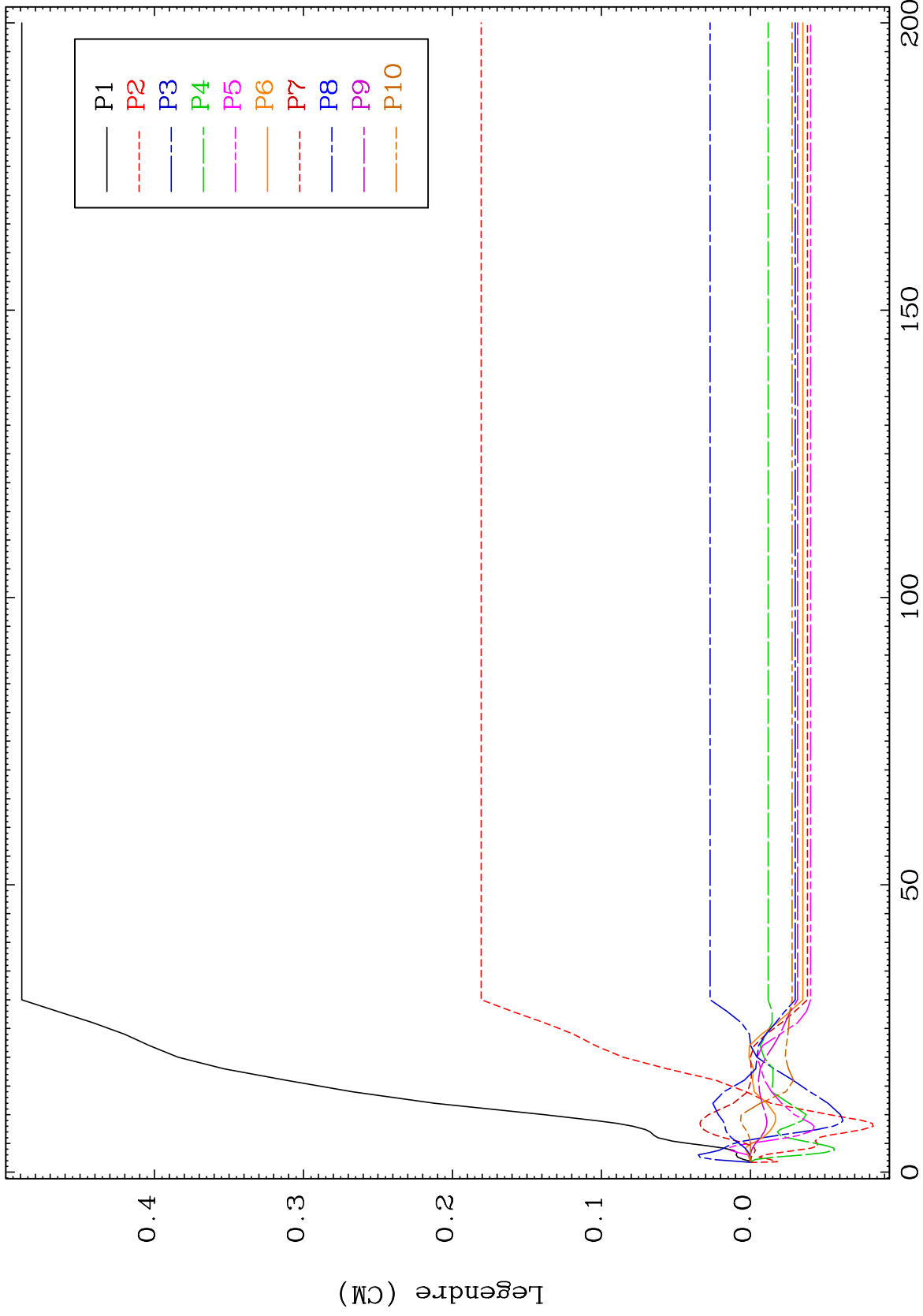
85-At-204



MAT 8528

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

85-At-204



29

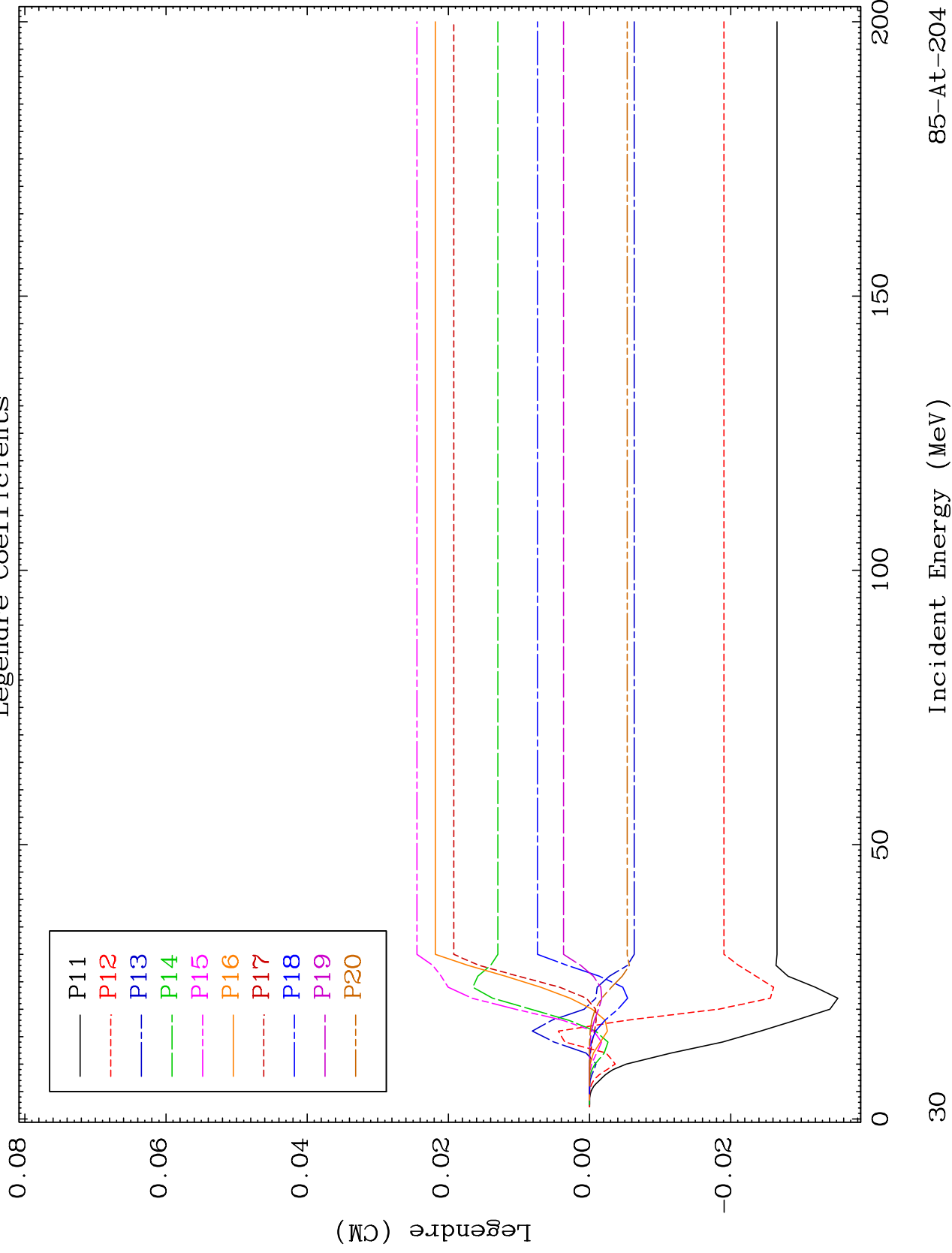
Incident Energy (MeV)

85-At-204

MAT 8528

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

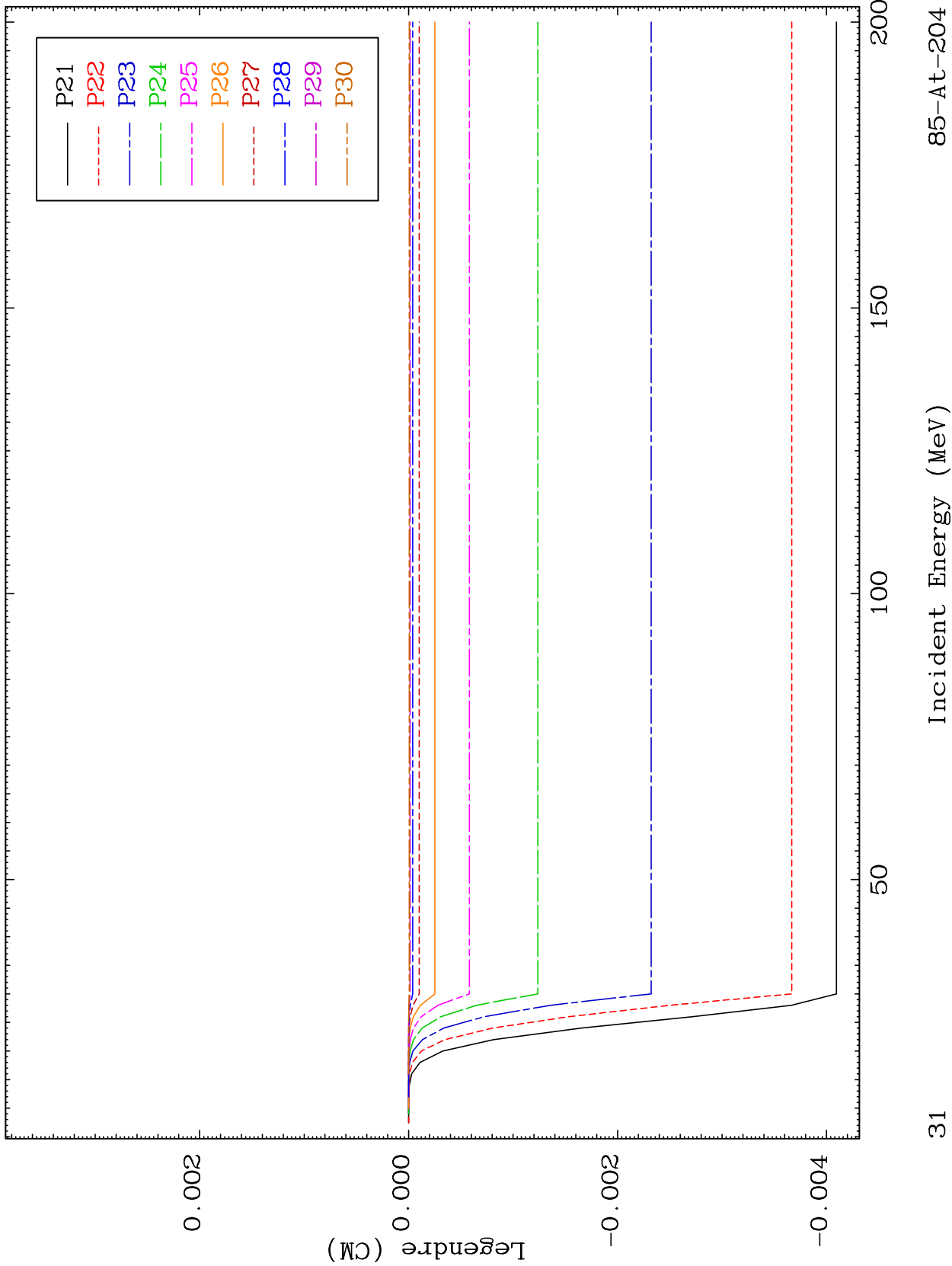
85-At-204

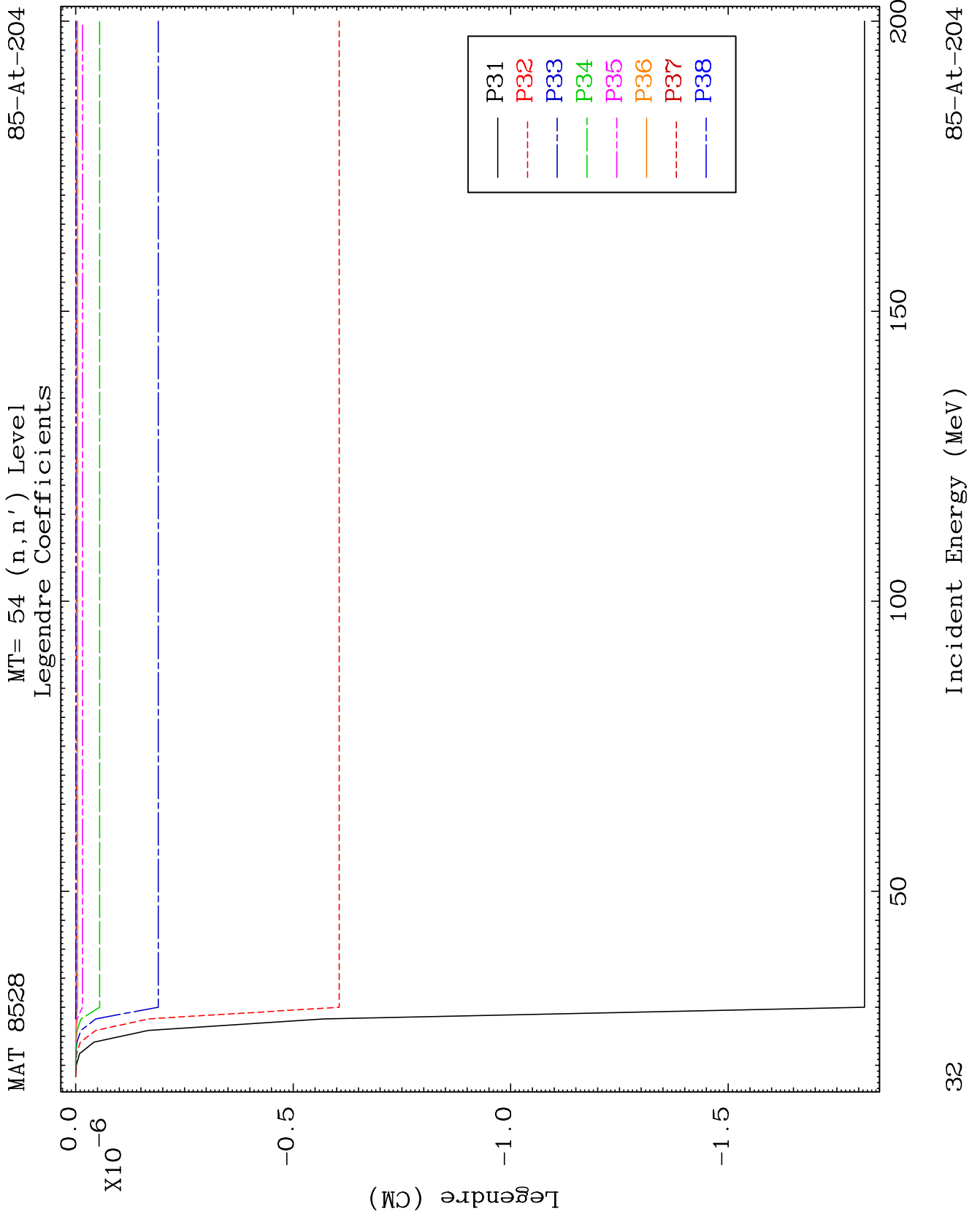


85-At-204

Incident Energy (MeV)

30

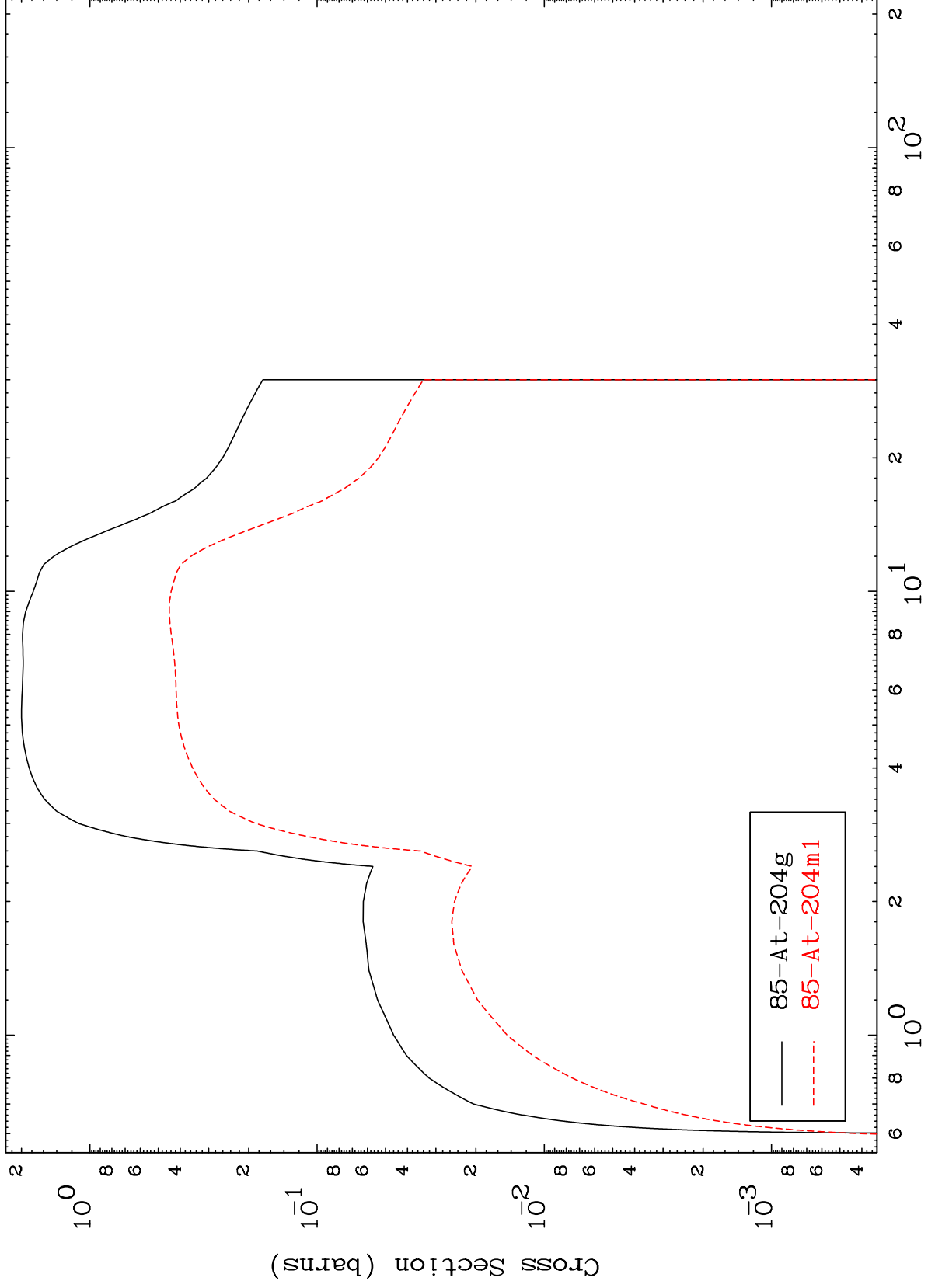




MAT 8528

Inelastic
Radionuclide Production Cross Section

85-At-204

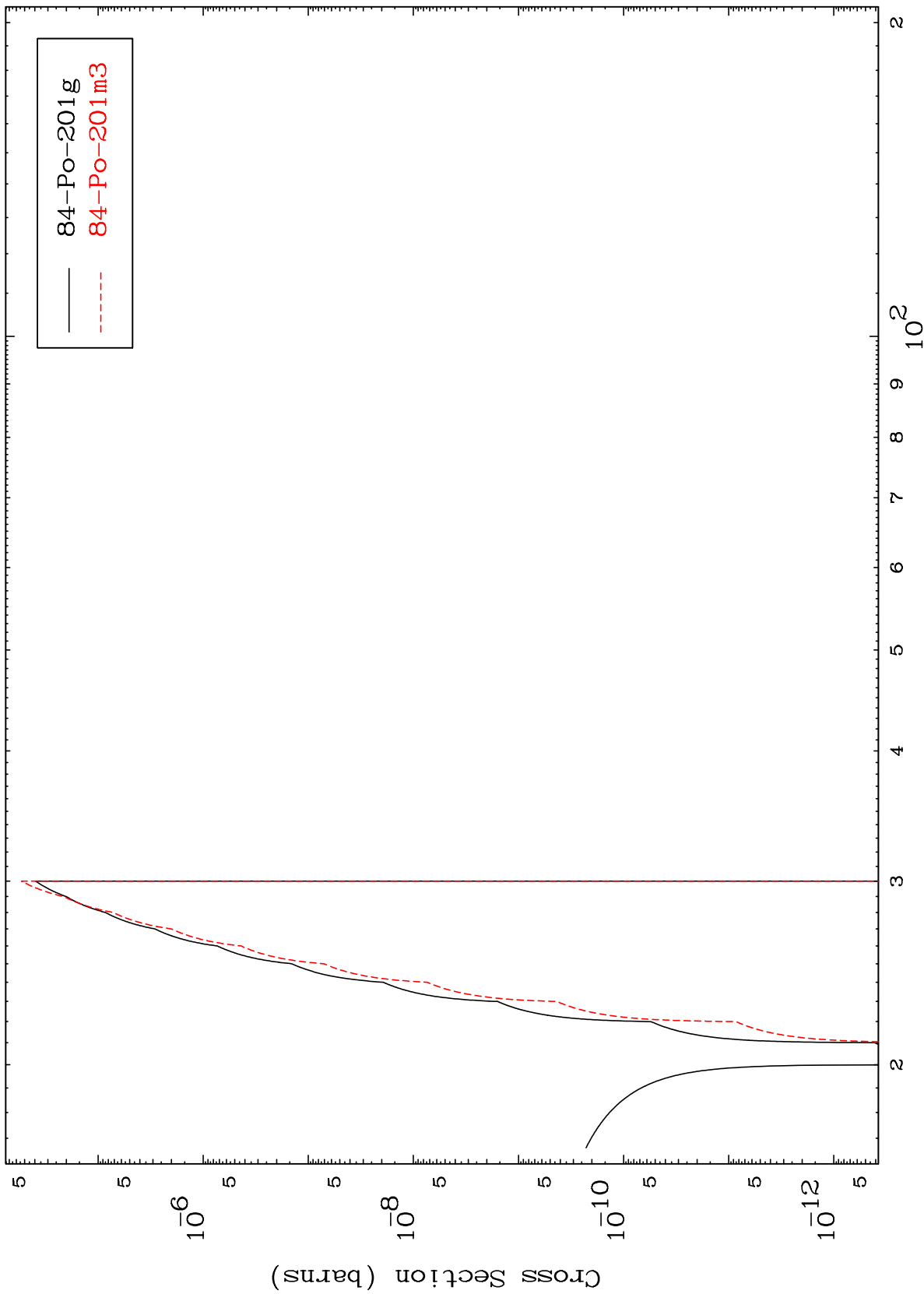


33

Incident Energy (MeV)

85-At-204

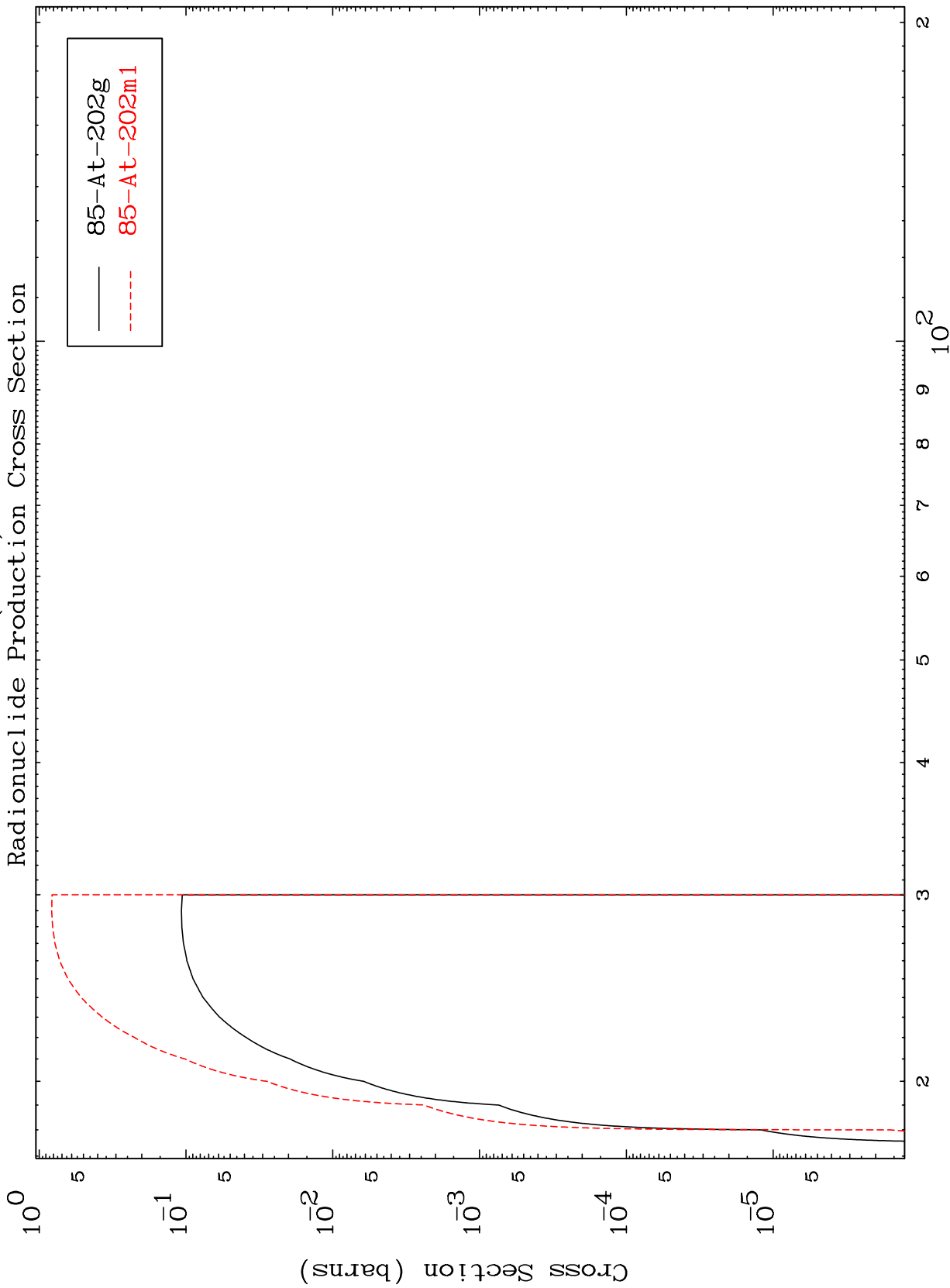
Radionuclide Production Cross Section



MAT 8528

85-At-204

(n,3n)
Radionuclide Production Cross Section



35

Incident Energy (MeV)

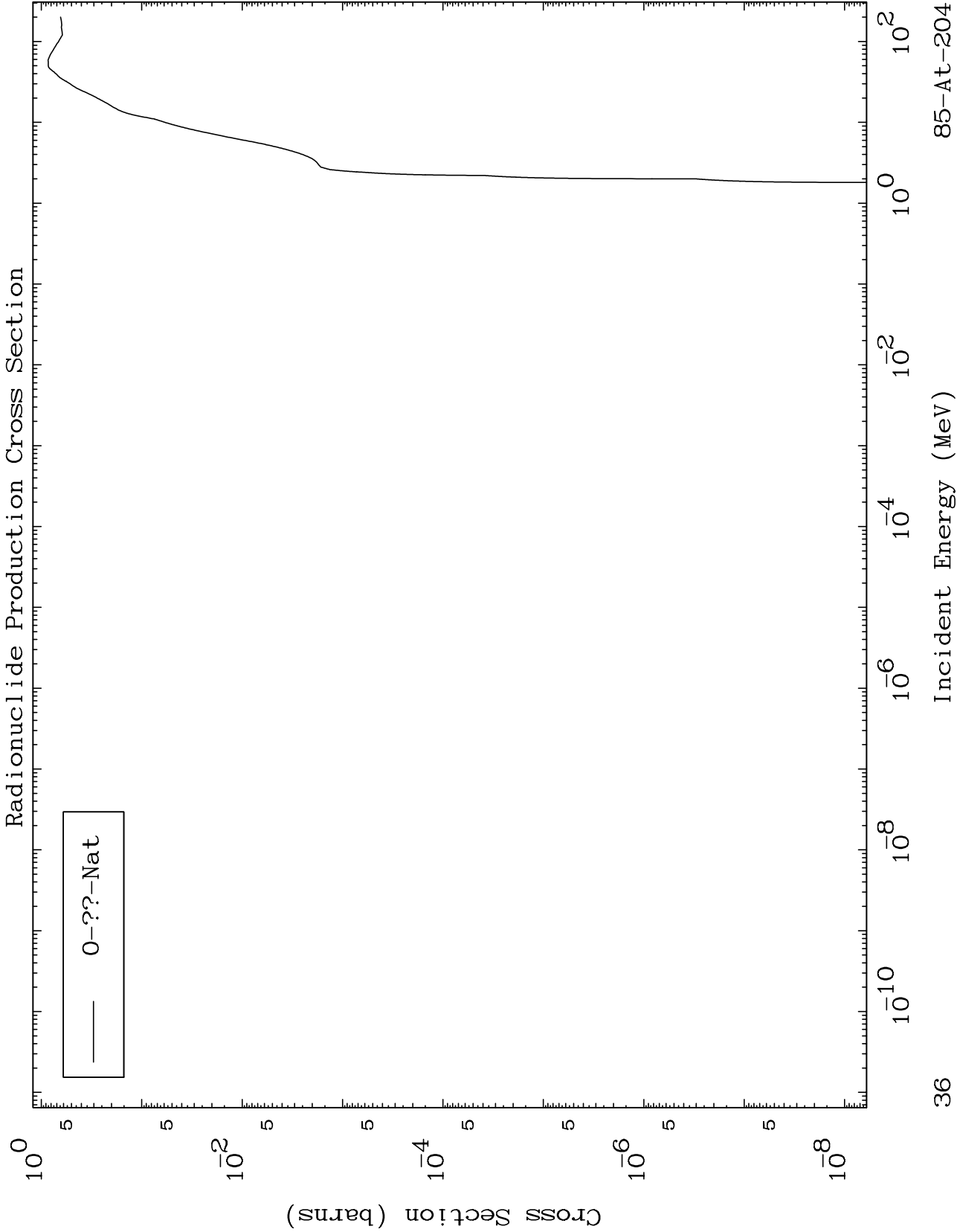
85-At-204

MAT 8528

Fission

85-At-204

Radionuclide Production Cross Section



36

Incident Energy (MeV)

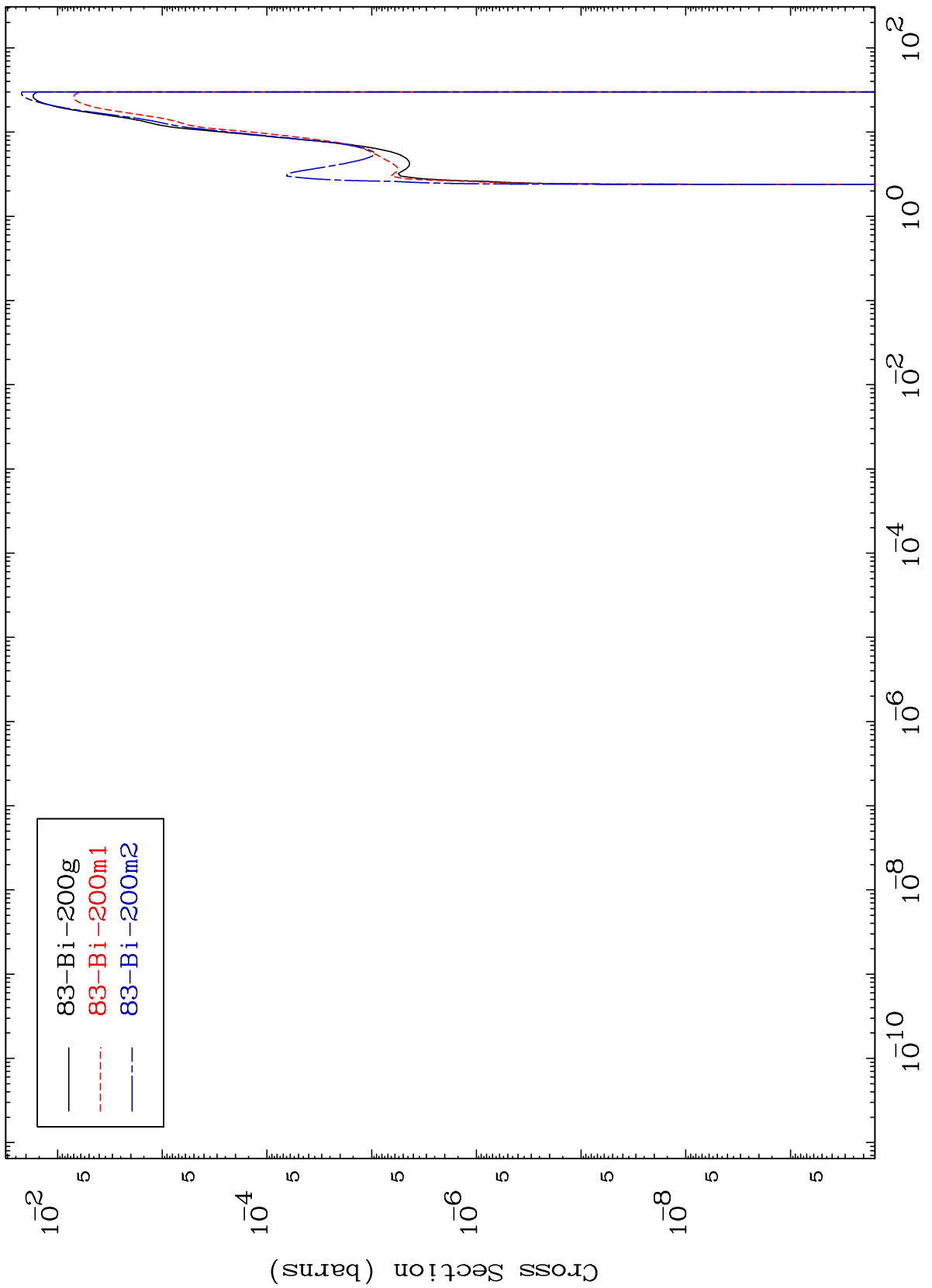
85-At-204

MAT 8528

(n,n') α

85-At-204

Radionuclide Production Cross Section



37

Incident Energy (MeV)

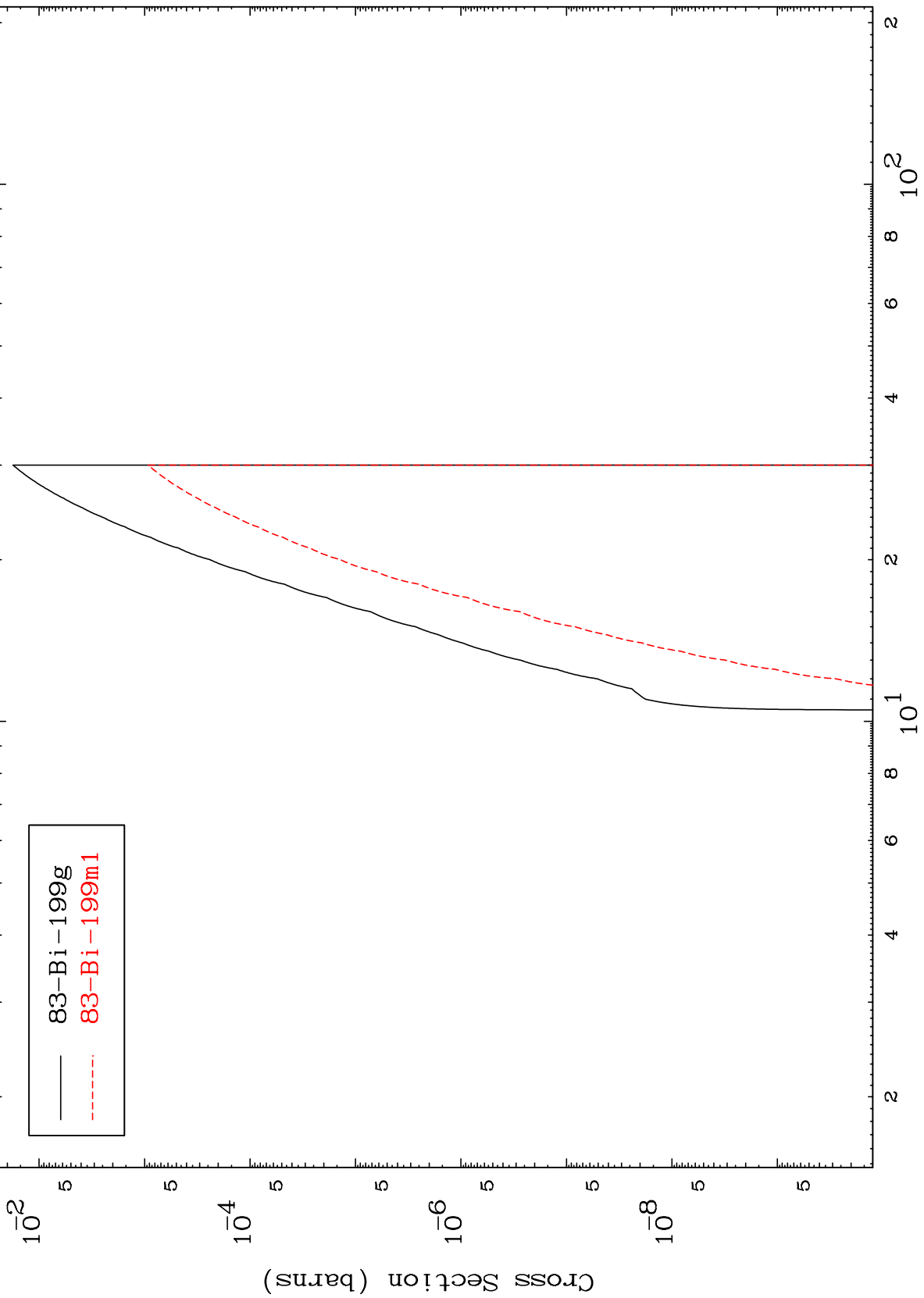
85-At-204

MAT 8528

(n,2n) α

85-At-204

Radionuclide Production Cross Section



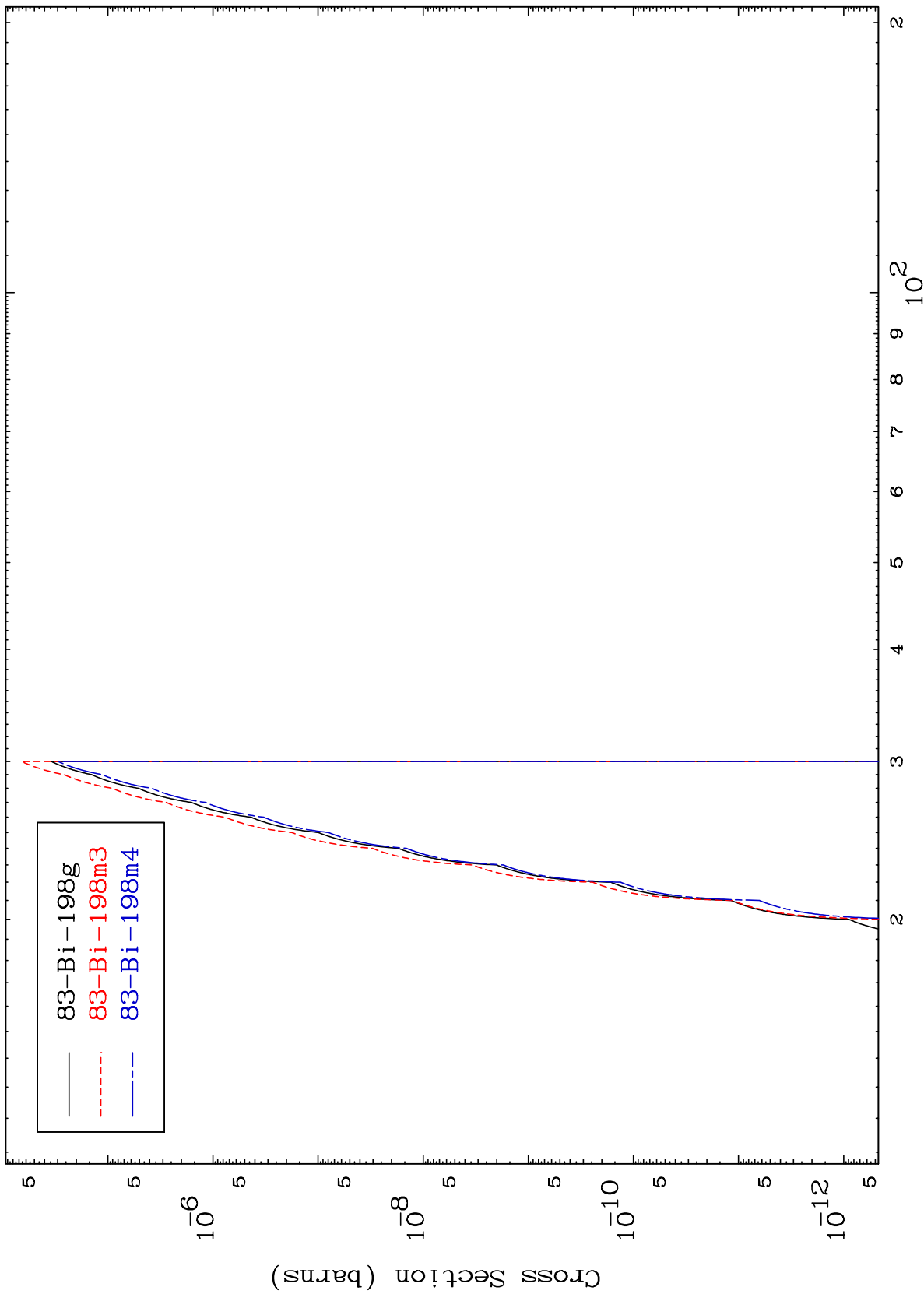
83-Bi-199g
83-Bi-199m1

38

Incident Energy (MeV)

85-At-204

Radionuclide Production Cross Section

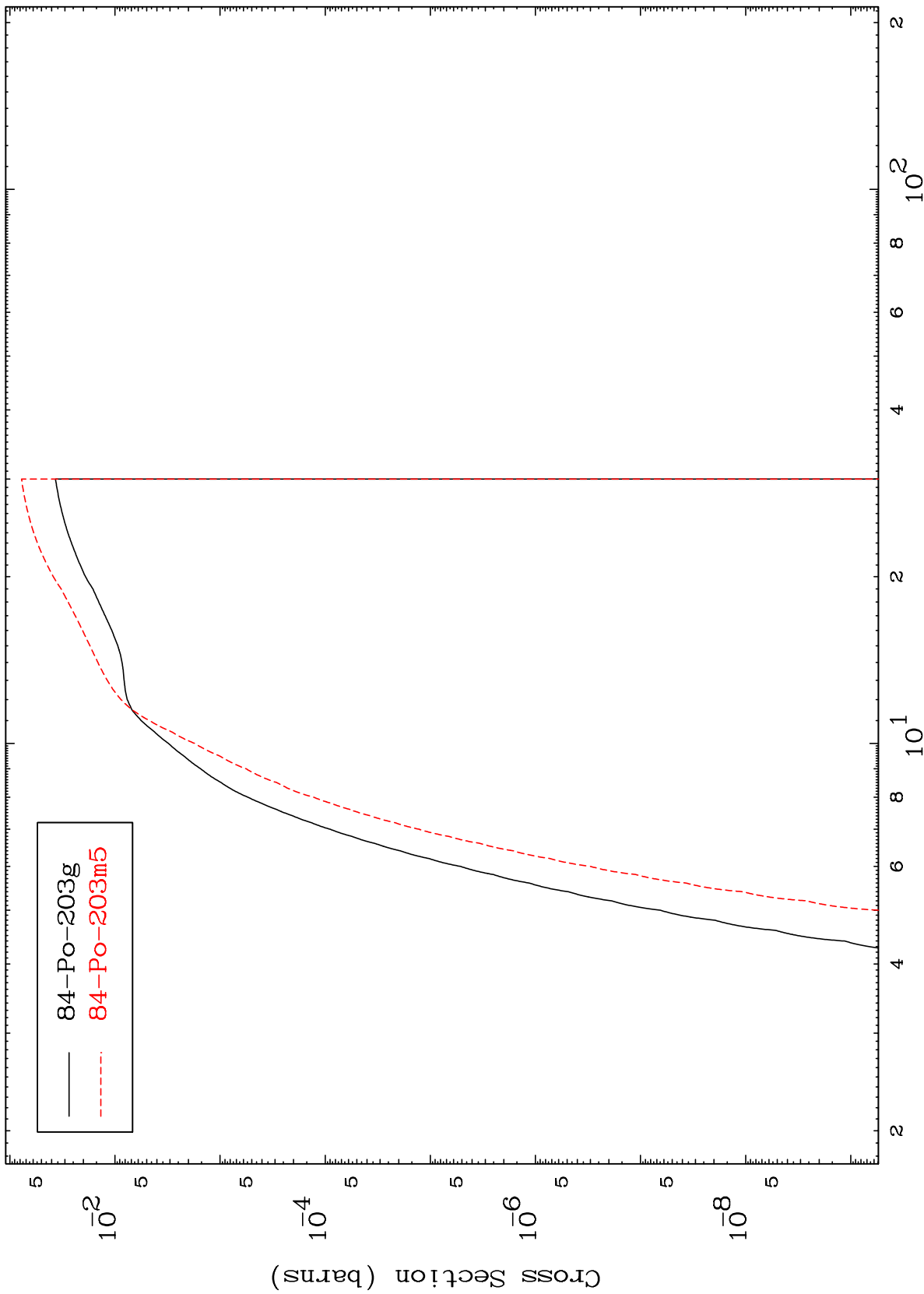


MAT 8528

(n,n') p

85-At-204

Radionuclide Production Cross Section



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

40

Incident Energy (MeV)

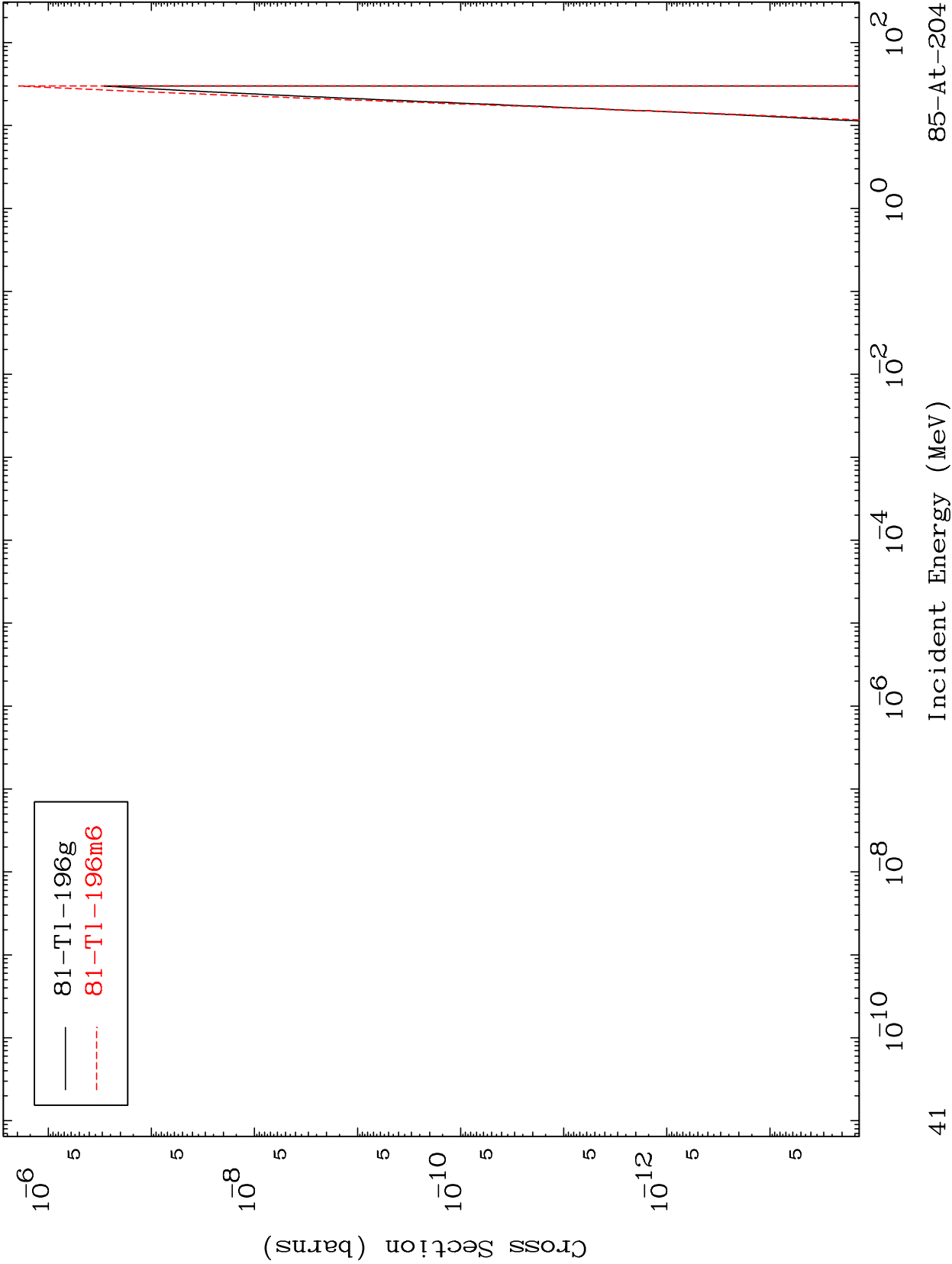
85-At-204

MAT 8528

(n,n') 2α

85-At-204

Radionuclide Production Cross Section

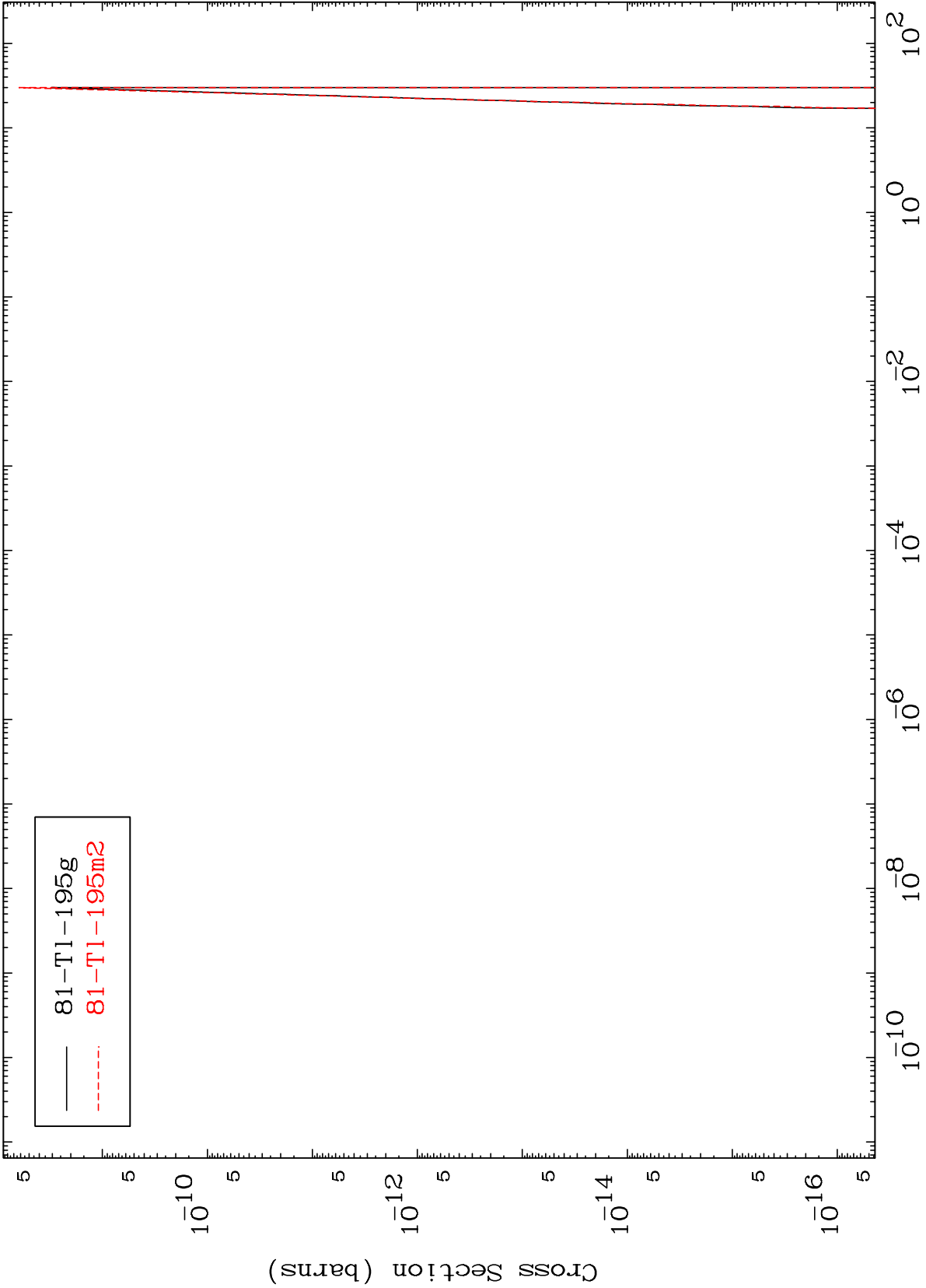


MAT 8528

(n,2n) 2α

85-At-204

Radionuclide Production Cross Section



42

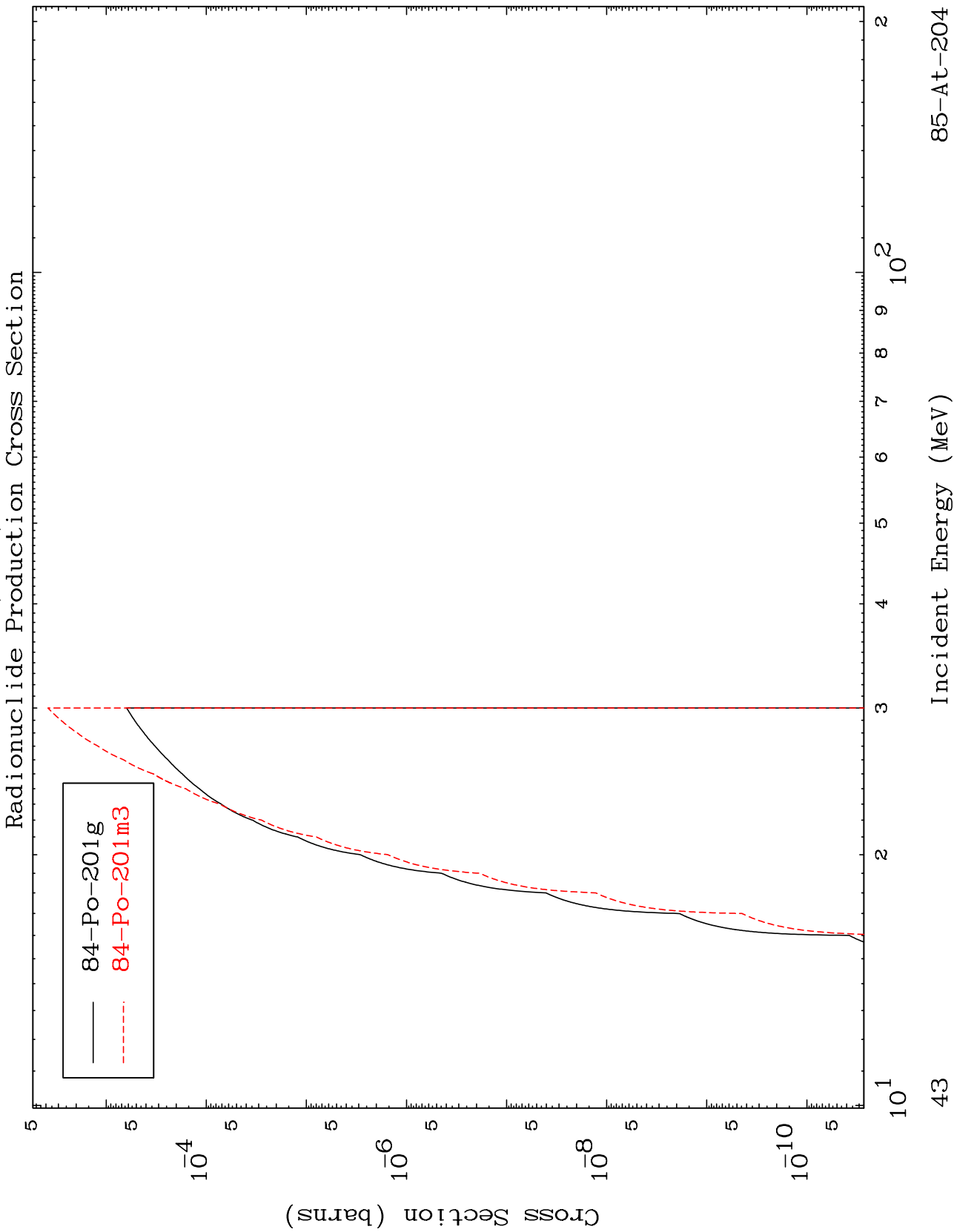
Incident Energy (MeV)

85-At-204

MAT 8528

(n,n') t

85-At-204



85-At-204

85-At-204

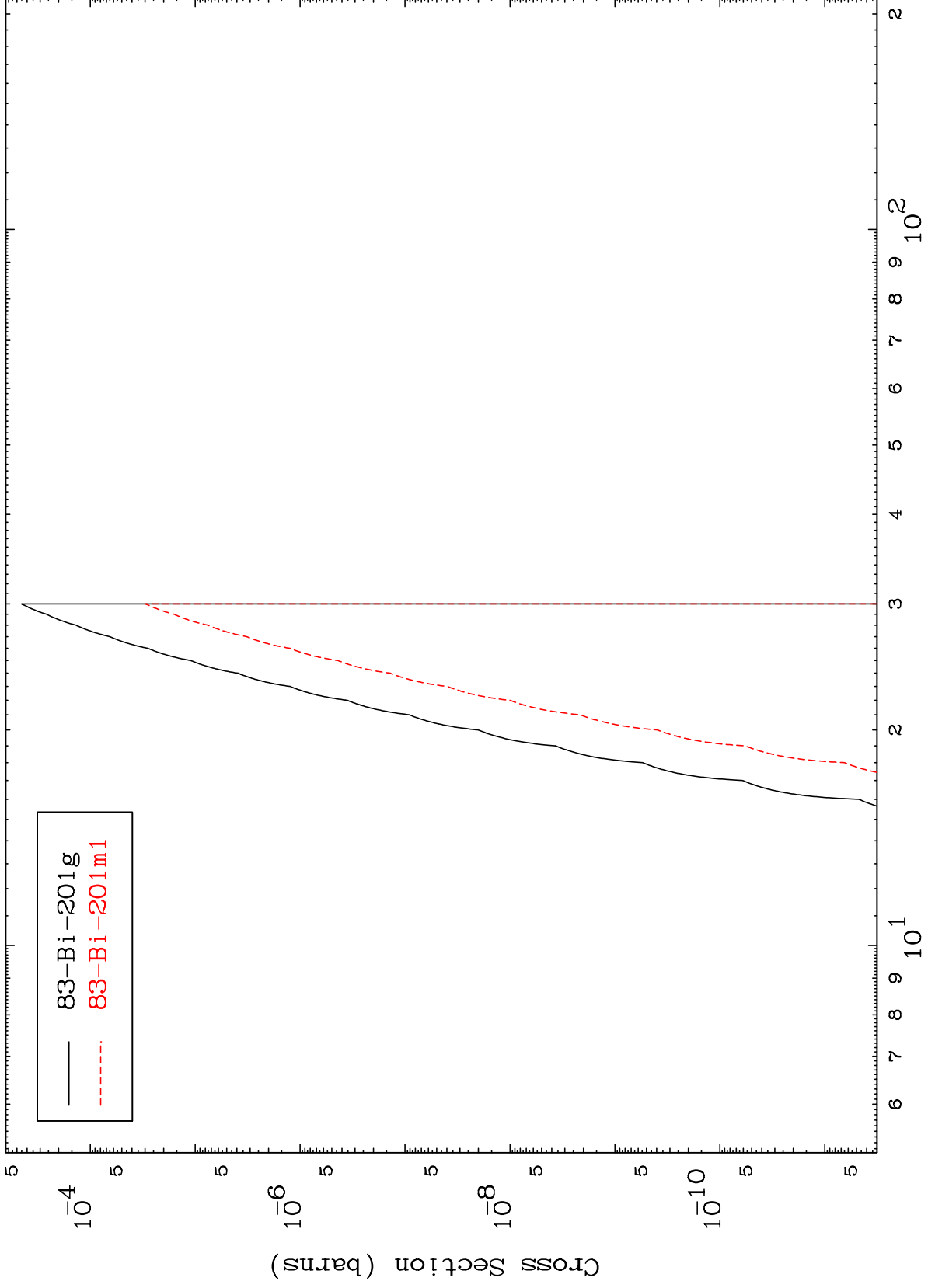
43

MAT 8528

(n,n') He-3

85-At-204

Radionuclide Production Cross Section



44

Incident Energy (MeV)

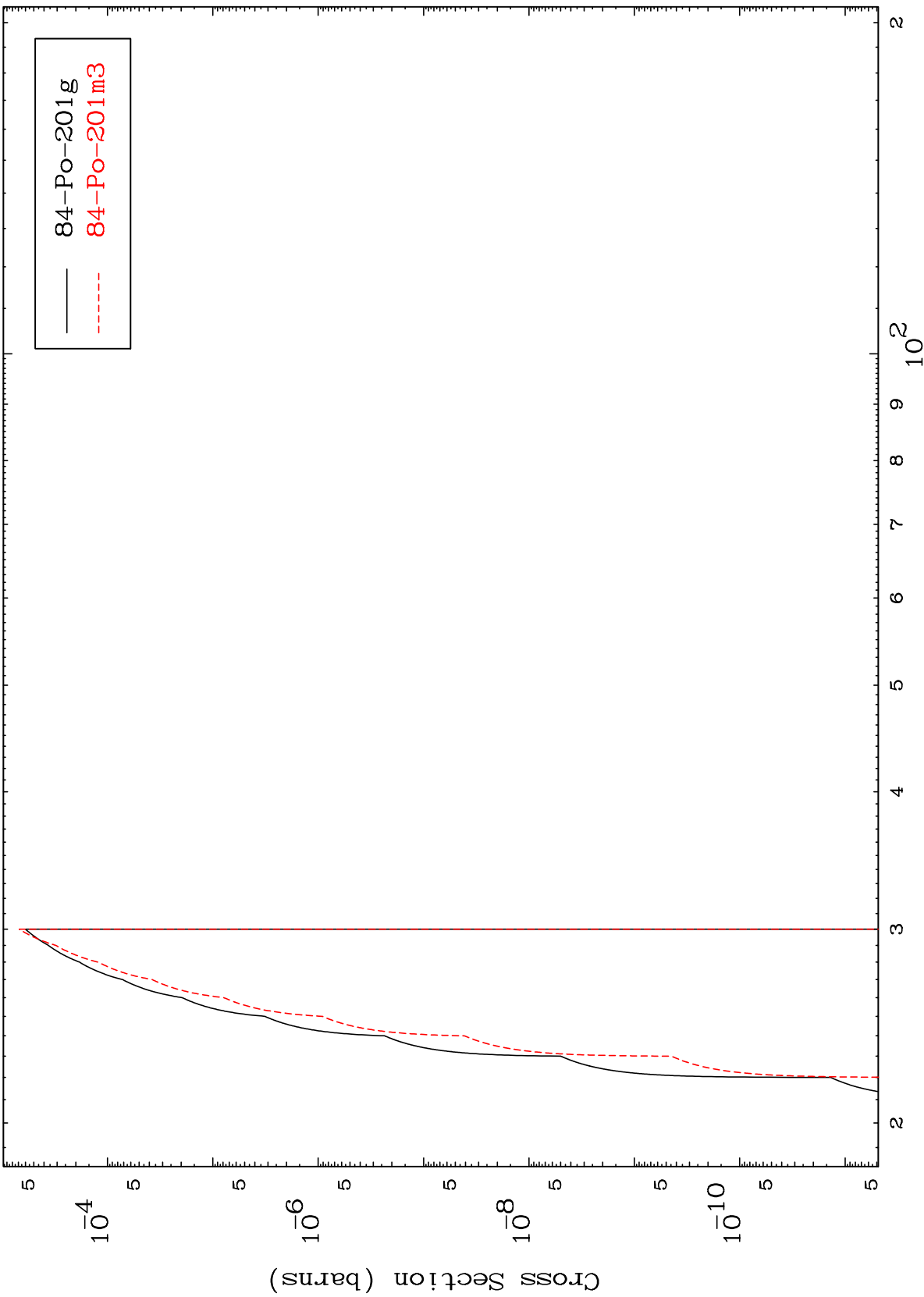
85-At-204

MAT 8528

(n,3n) p

85-At-204

Radionuclide Production Cross Section



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

45

Incident Energy (MeV)

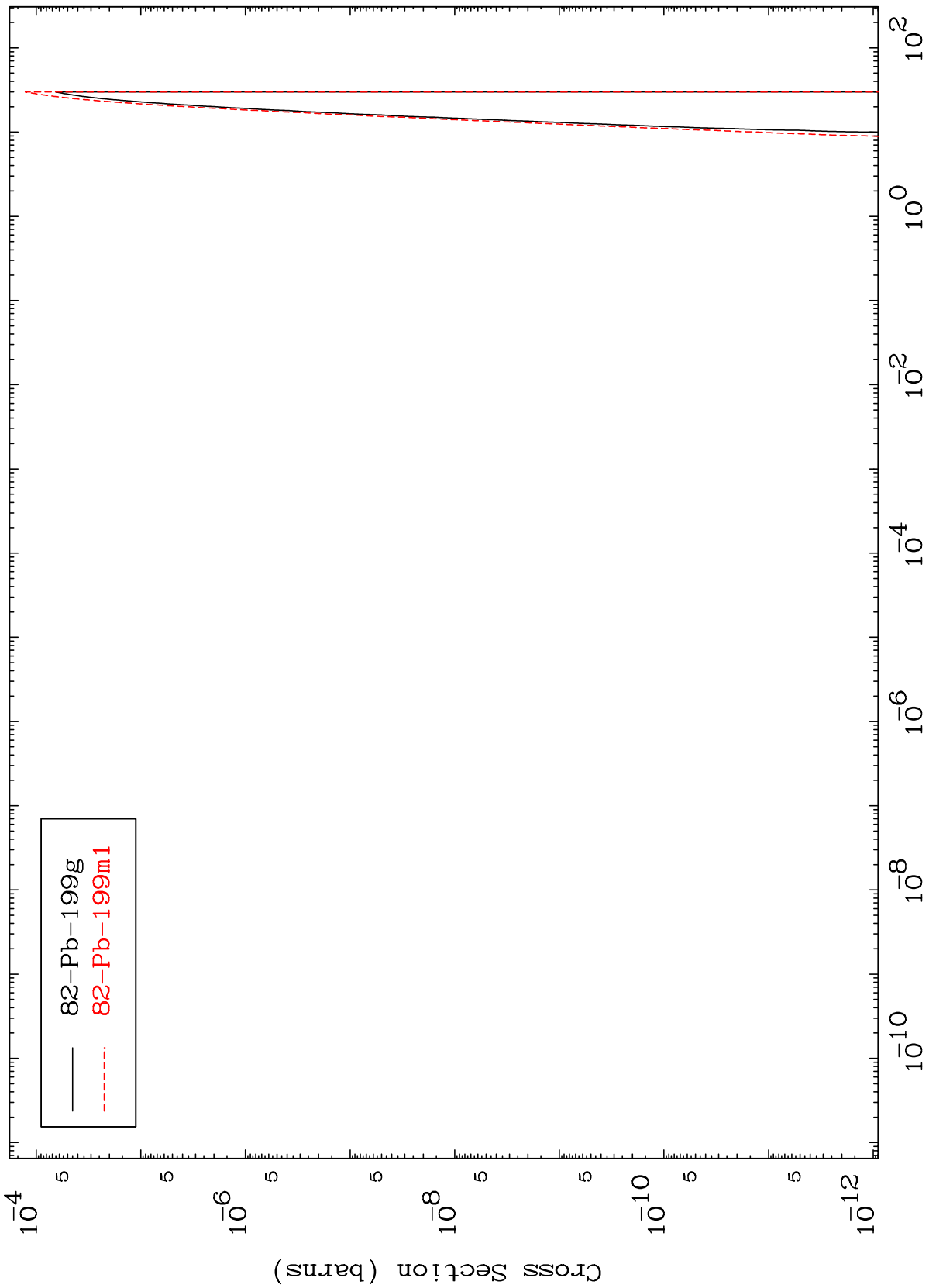
85-At-204

MAT 8528

(n,n') p α

85-At-204

Radionuclide Production Cross Section



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

46

Incident Energy (MeV)

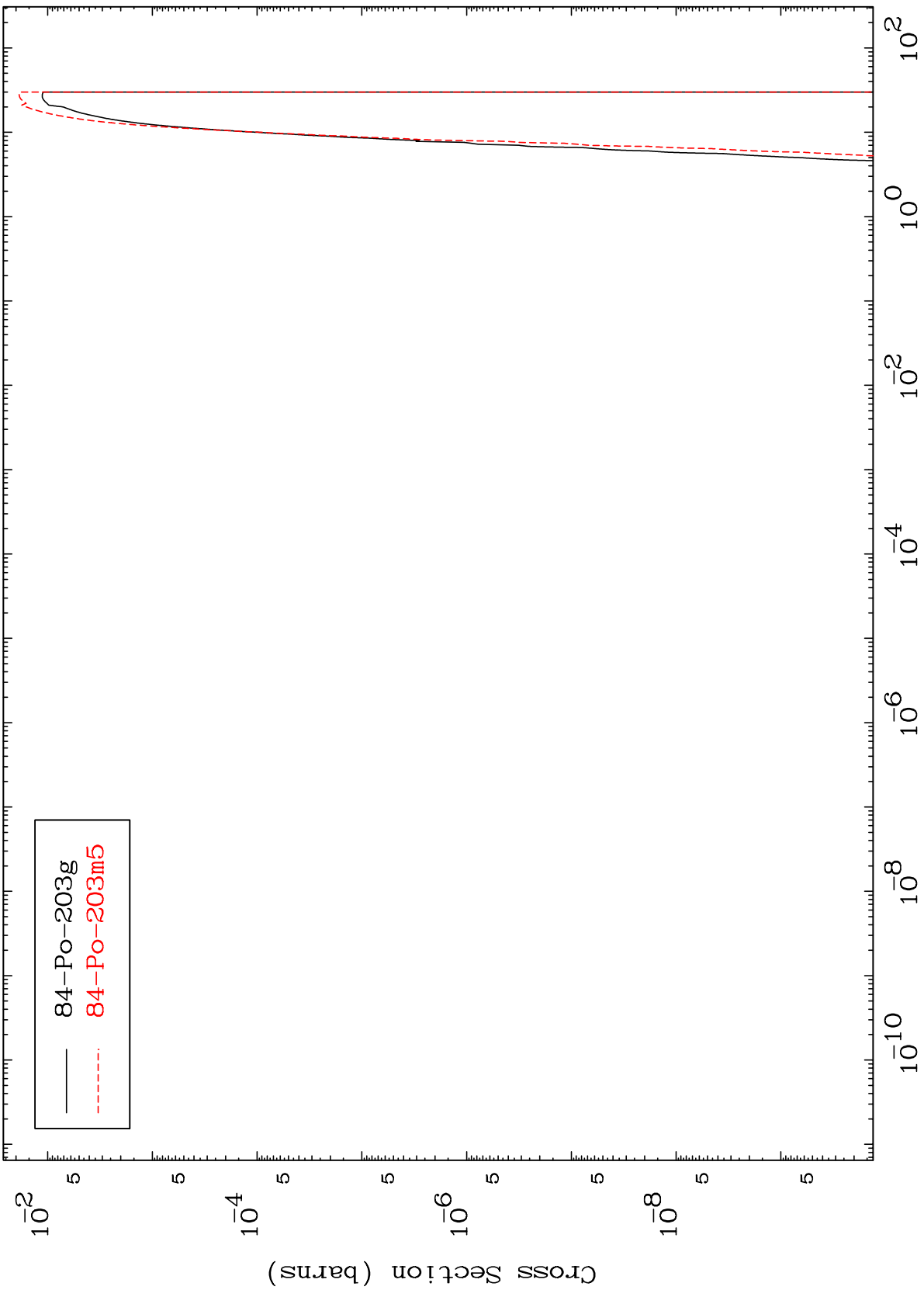
85-At-204

MAT 8528

(n,d)

85-At-204

Radionuclide Production Cross Section



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

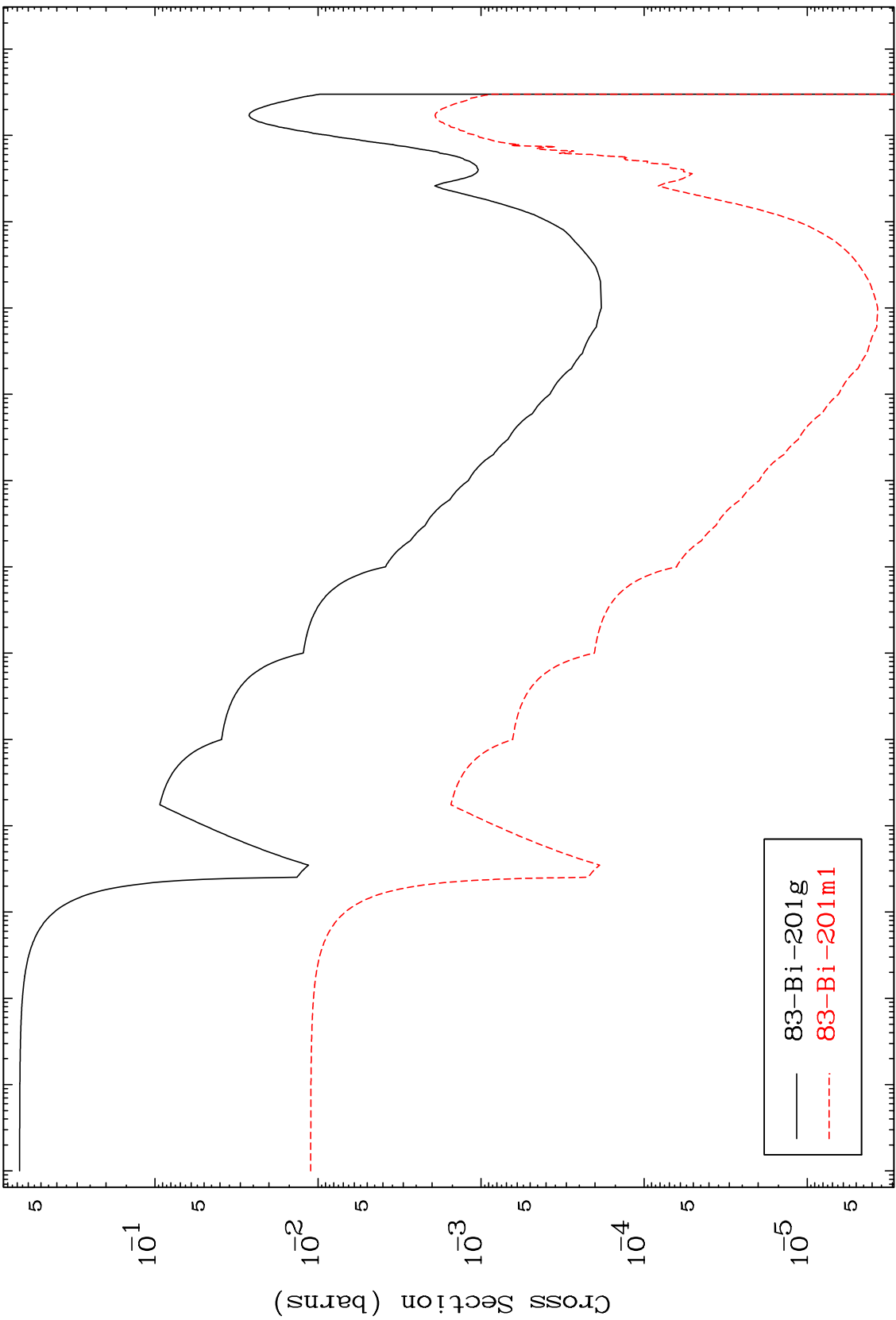
Incident Energy (MeV)

85-At-204

MAT 8528

85-At-204

Radionuclide Production Cross Section (n,α)



85-At-204

10⁻¹⁰

10⁻⁸

10⁻⁶

10⁻⁴

10⁻²

10⁰

10²

Incident Energy (MeV)

85-At-204

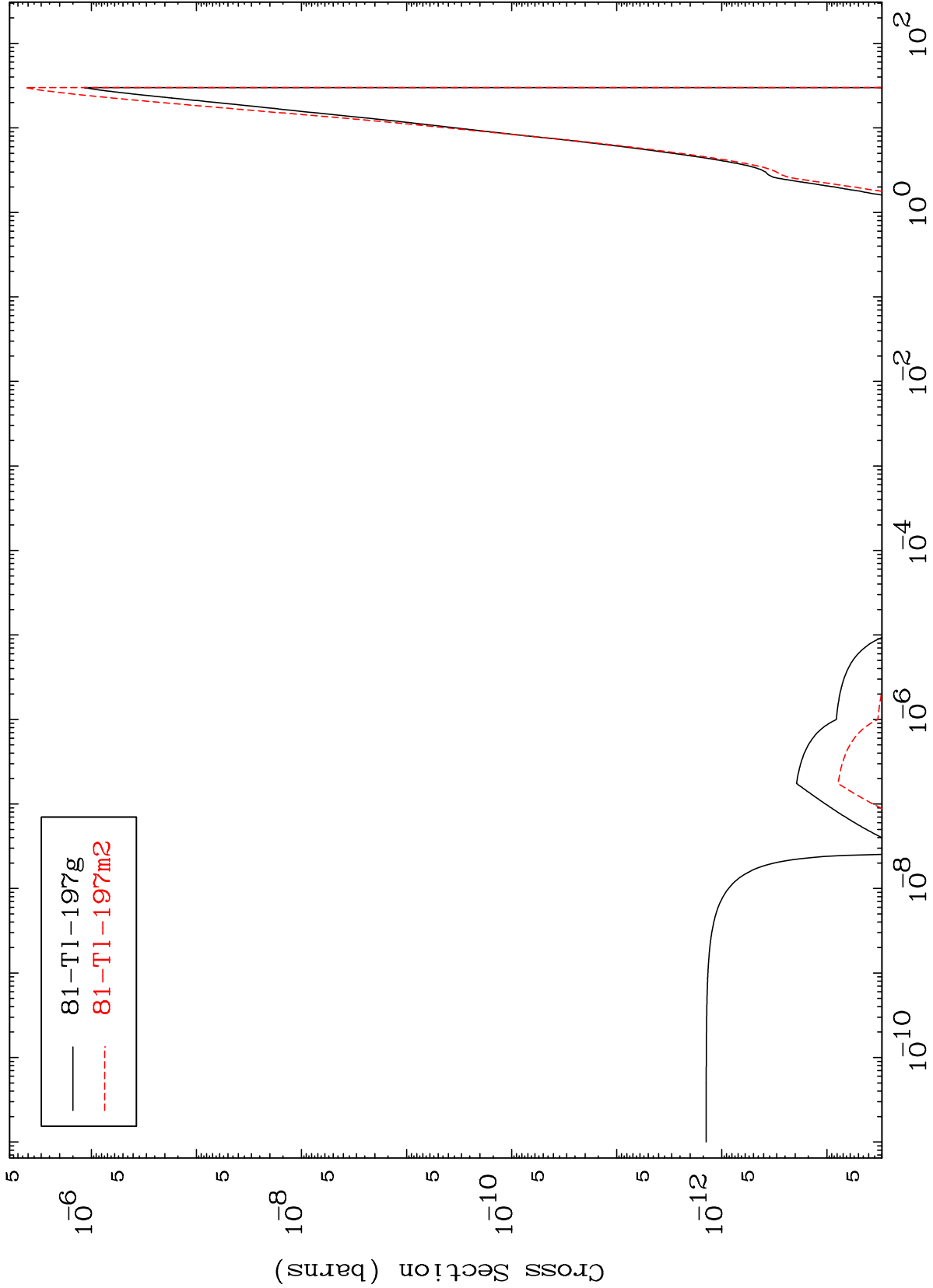
48

MAT 8528

(n,2α)

85-At-204

Radionuclide Production Cross Section

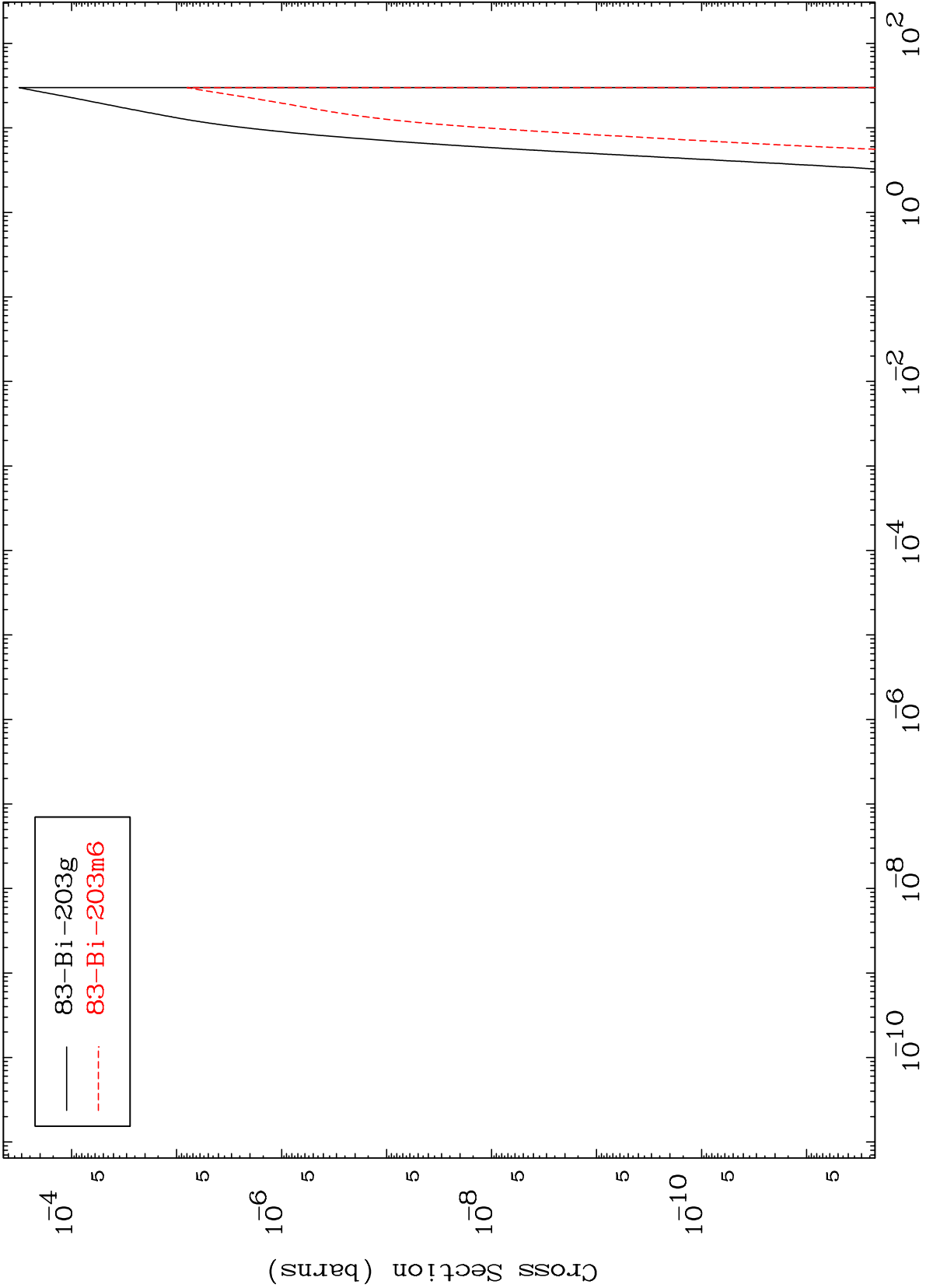
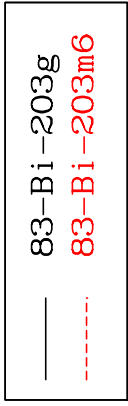


MAT 8528

(n,2p)

85-At-204

Radionuclide Production Cross Section



50

Incident Energy (MeV)

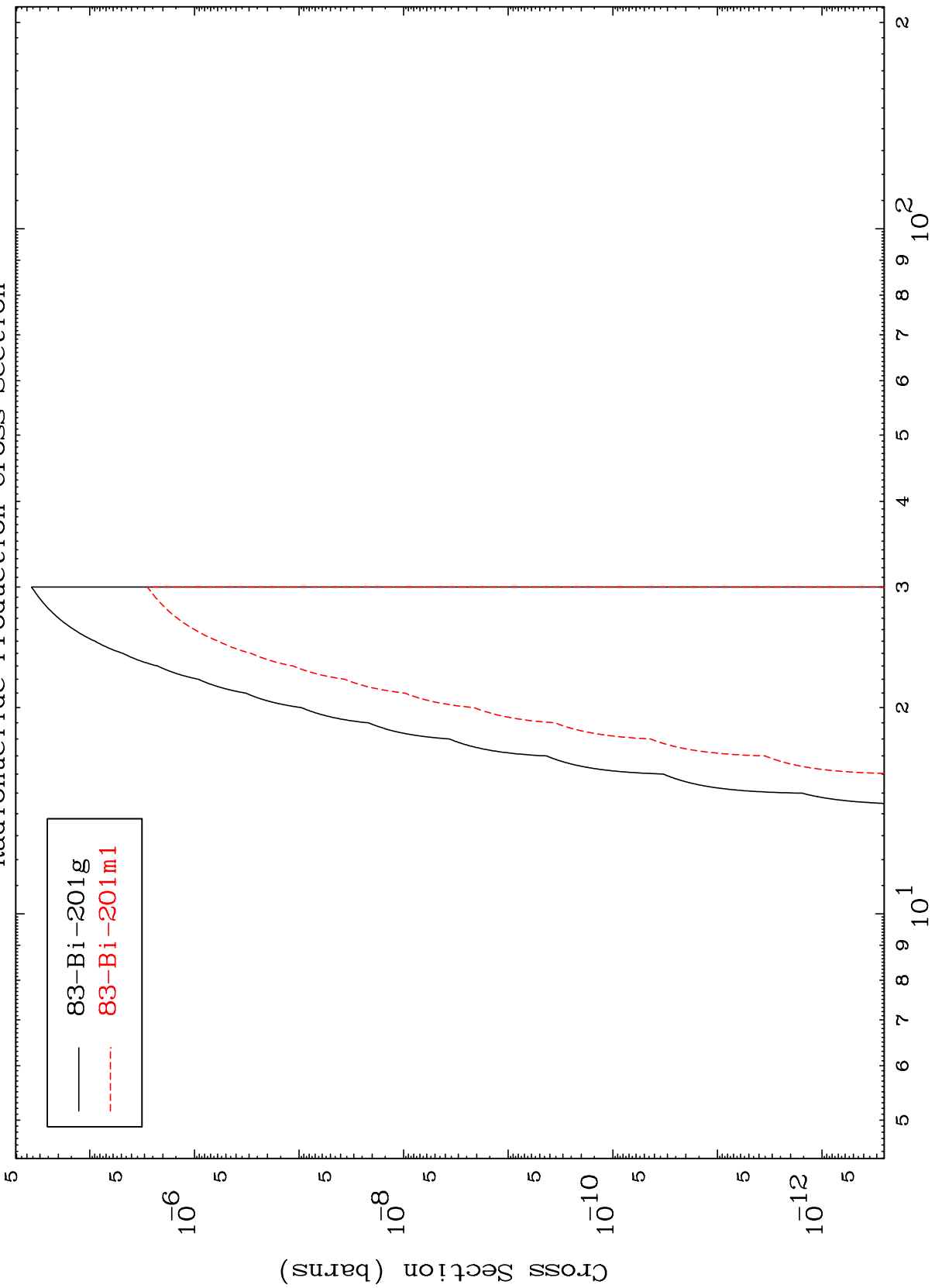
85-At-204

MAT 8528

(n,p) t

85-At-204

Radionuclide Production Cross Section



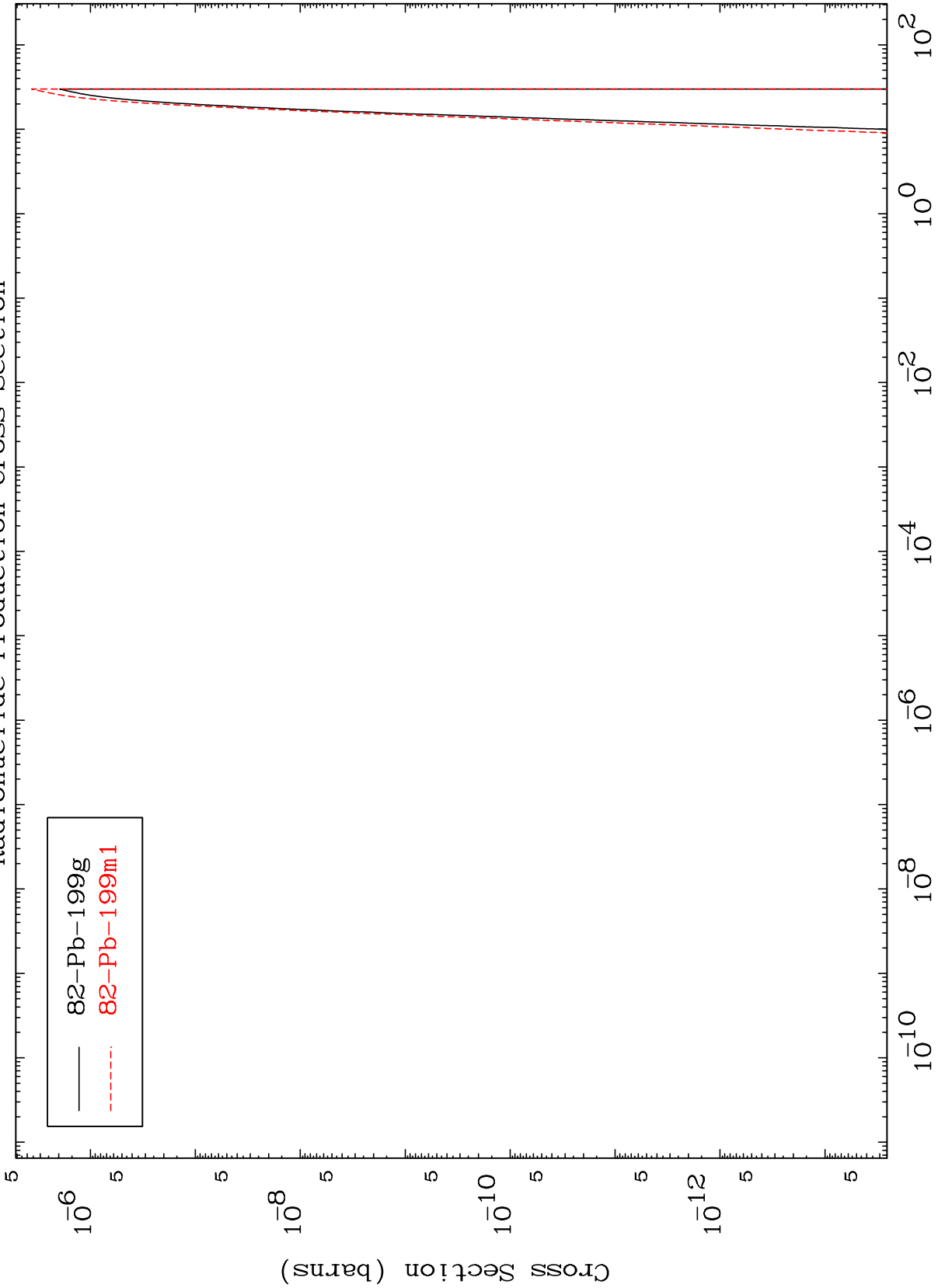
83-Bi-201g
83-Bi-201m1

MAT 8528

(n,d) α

85-At-204

Radionuclide Production Cross Section



52

Incident Energy (MeV)

85-At-204