

Program EVALPLOT
(Version 2021-1)

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

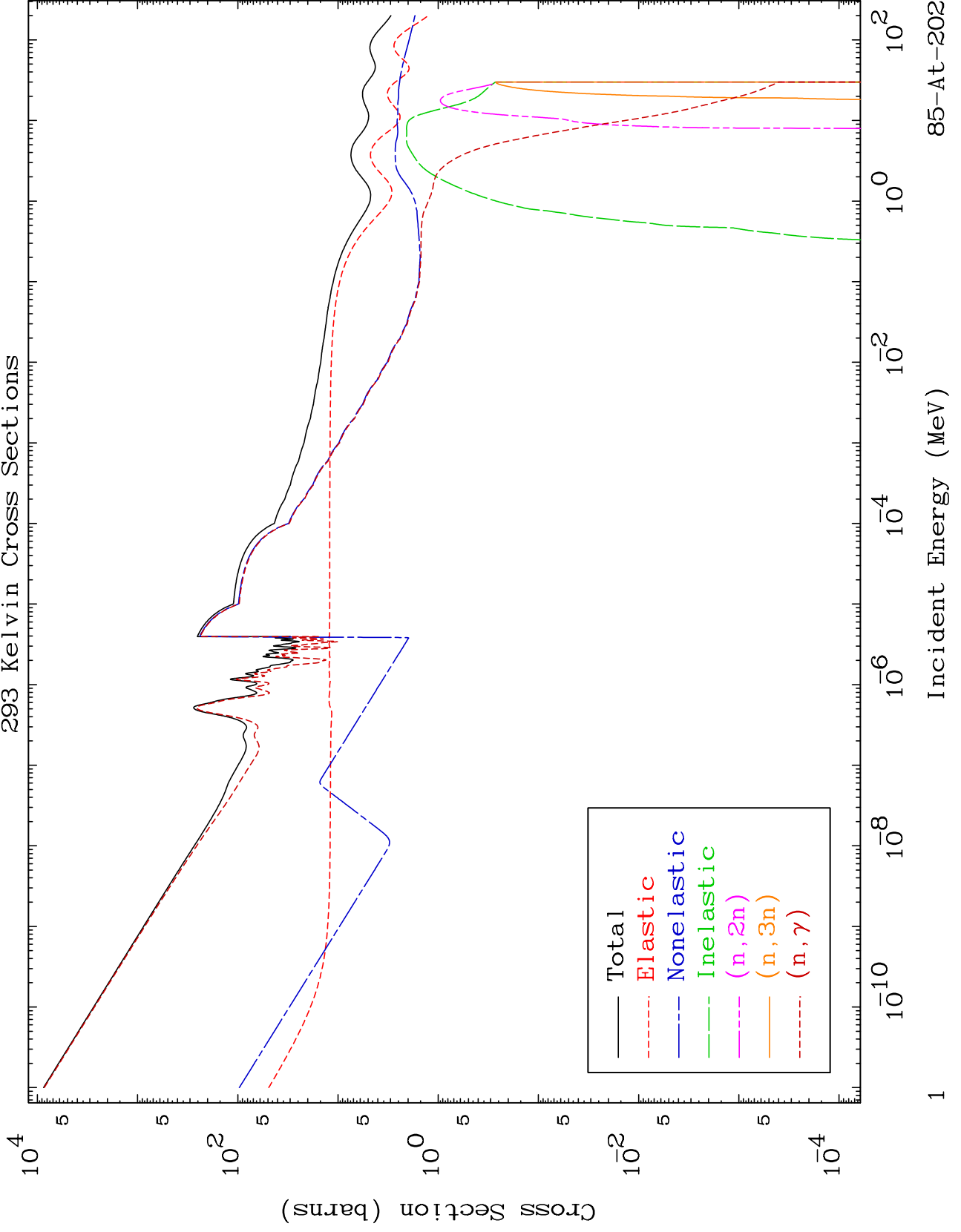
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 8522

Neutron Major
293 Kelvin Cross Sections

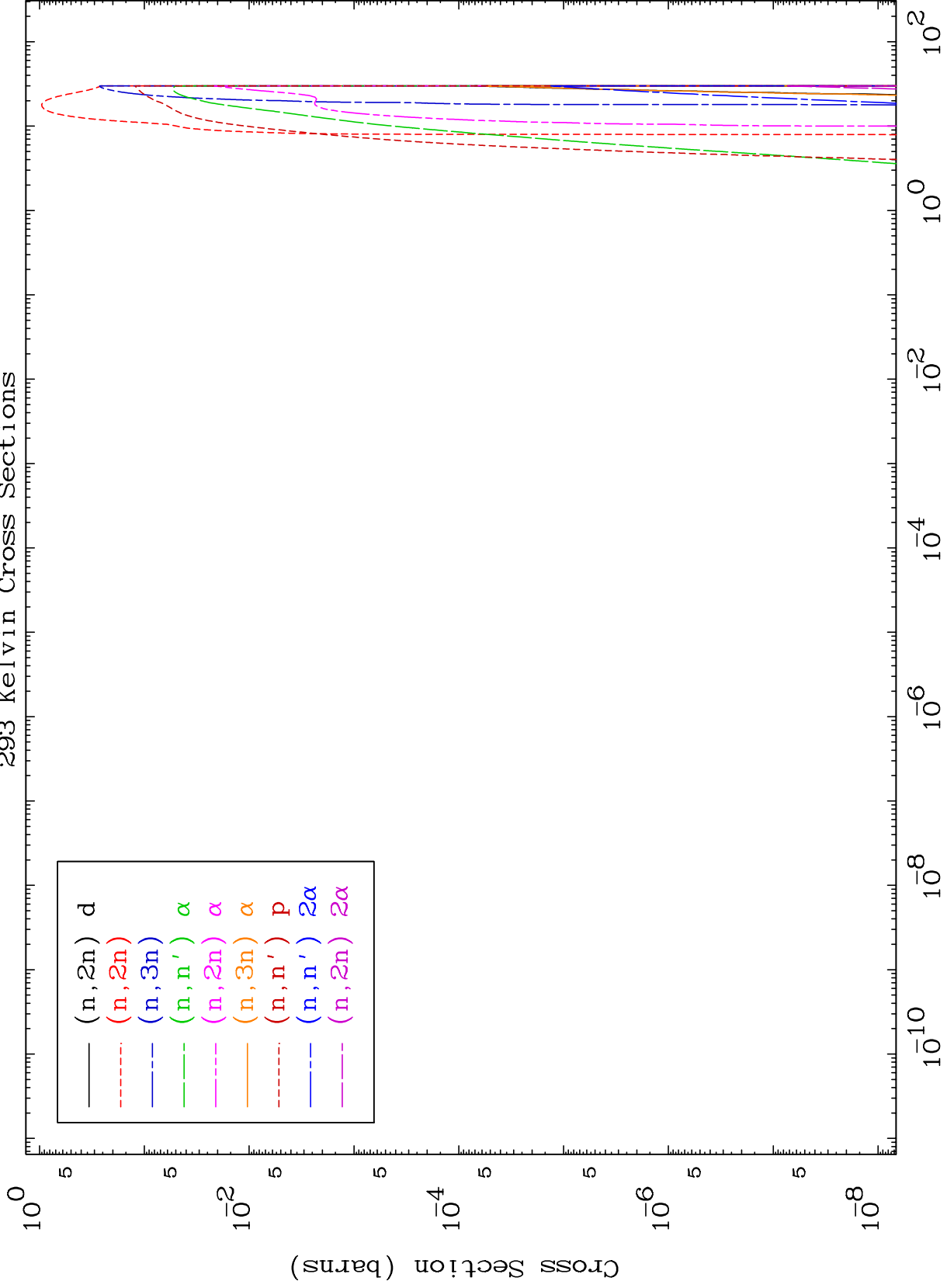
85-At-202



MAT 8522

Neutron Absorption
293 Kelvin Cross Sections

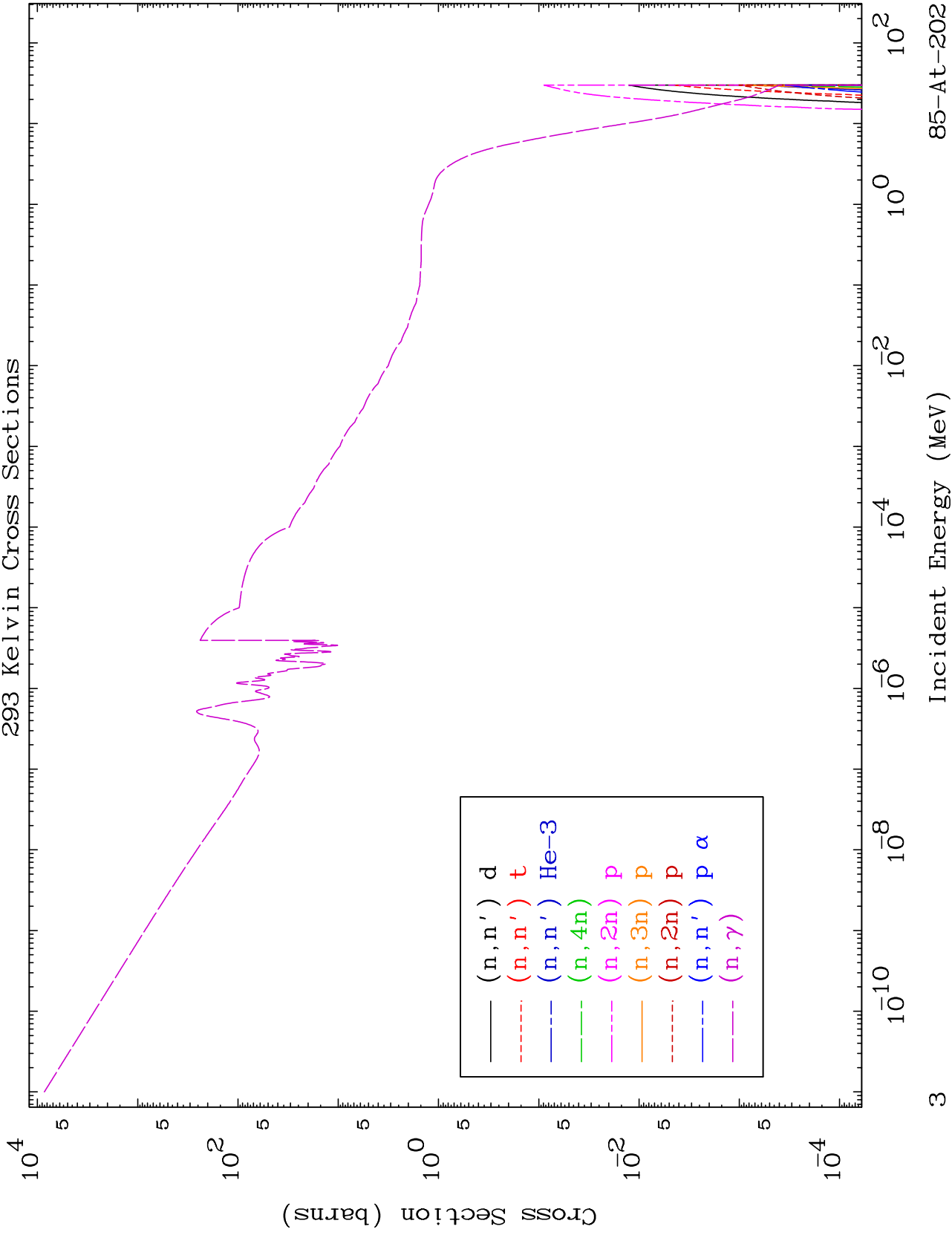
85-At-202

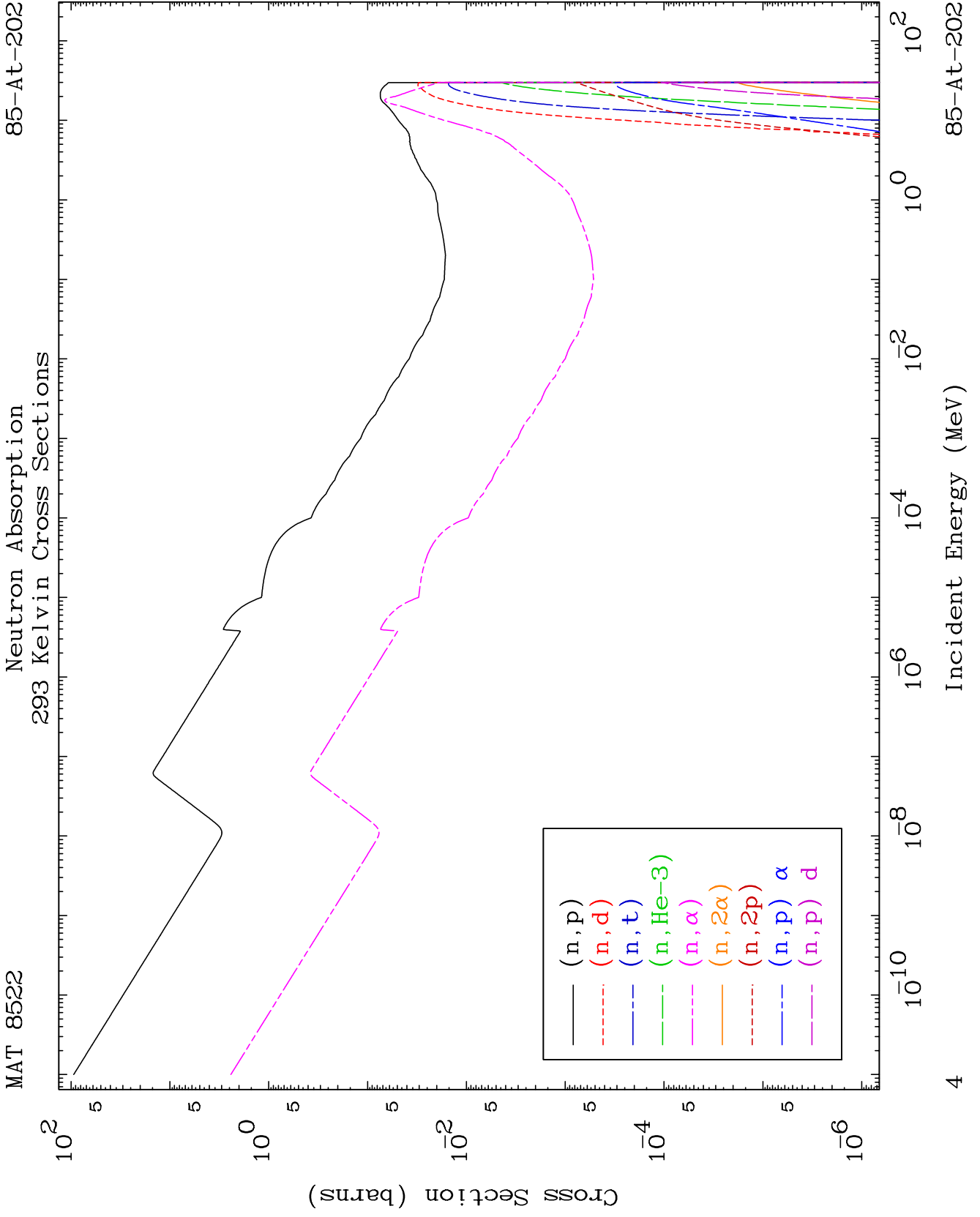


MAT 85222

Neutron Absorption
293 Kelvin Cross Sections

85-At-202

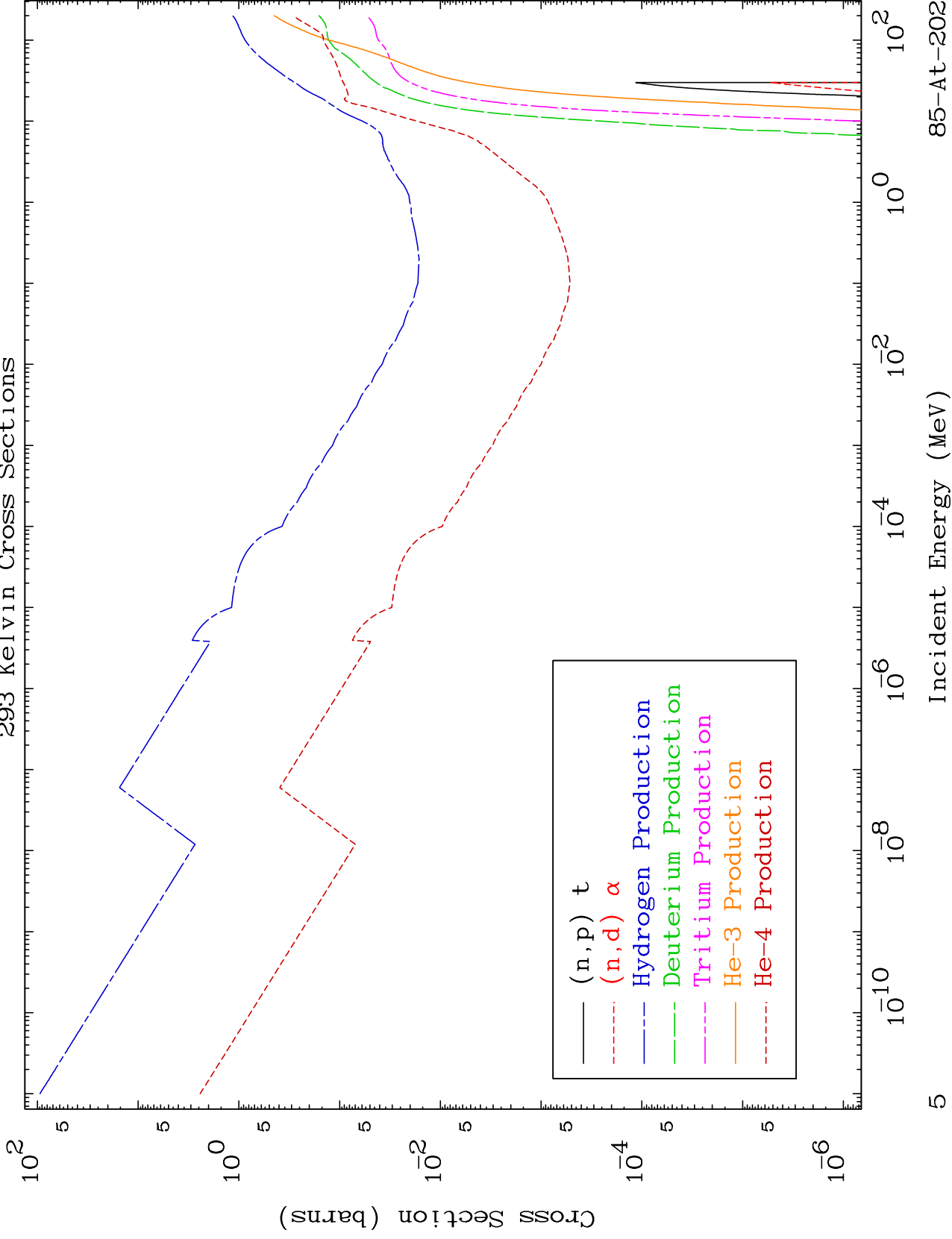




MAT 85222

Neutron Absorption
293 Kelvin Cross Sections

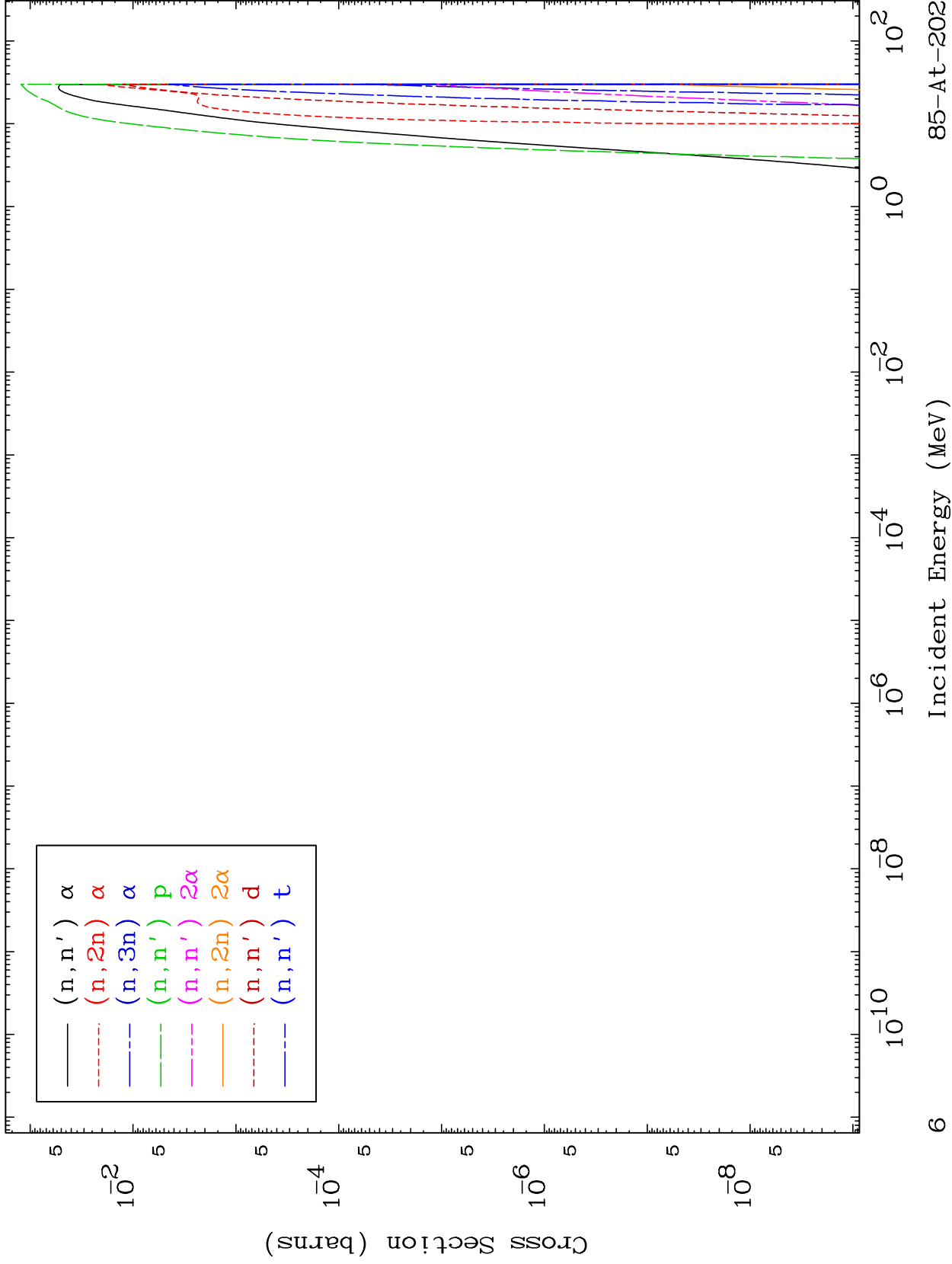
85-At-202

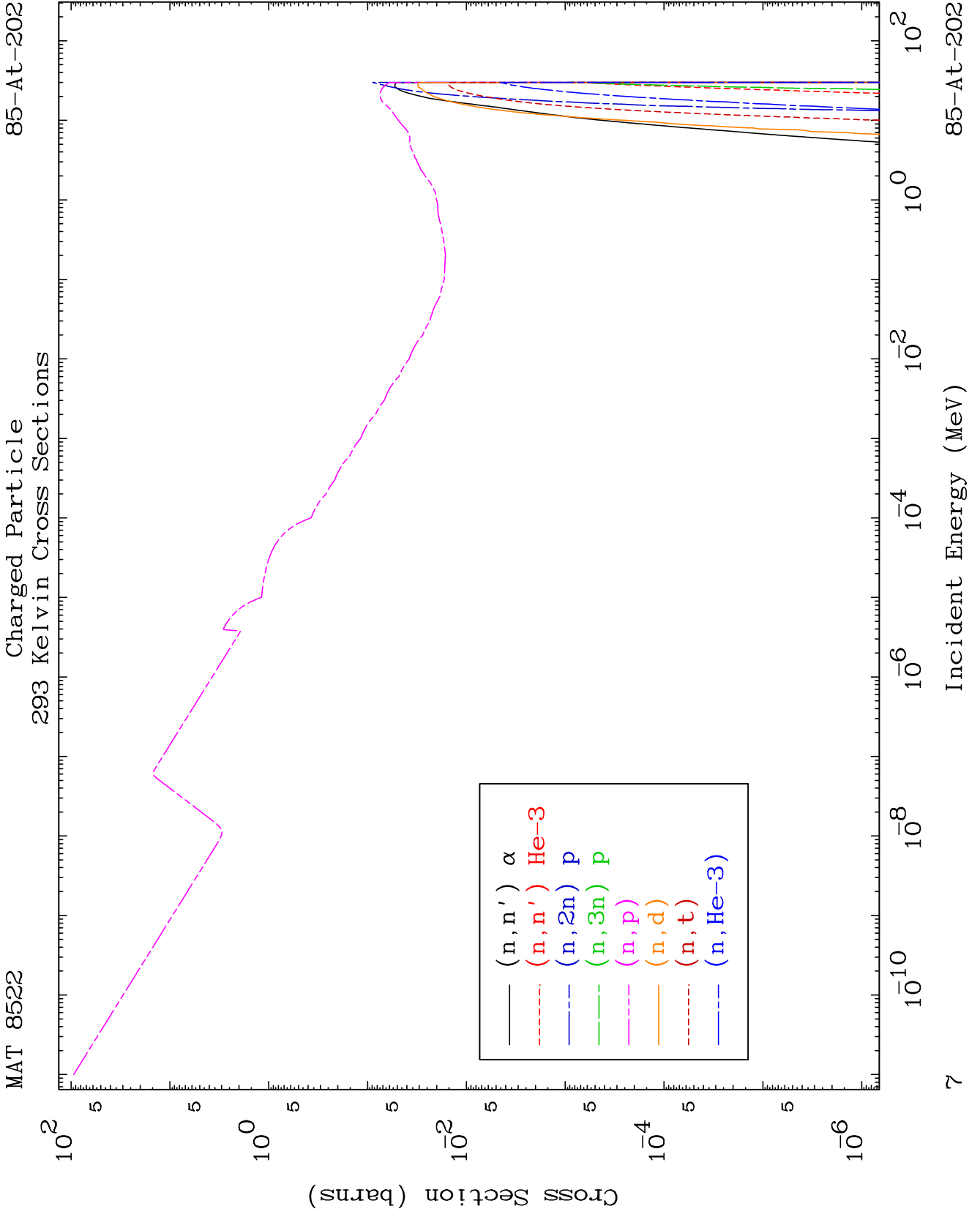


MAT 85222

Charged Particle
293 Kelvin Cross Sections

85-At-202

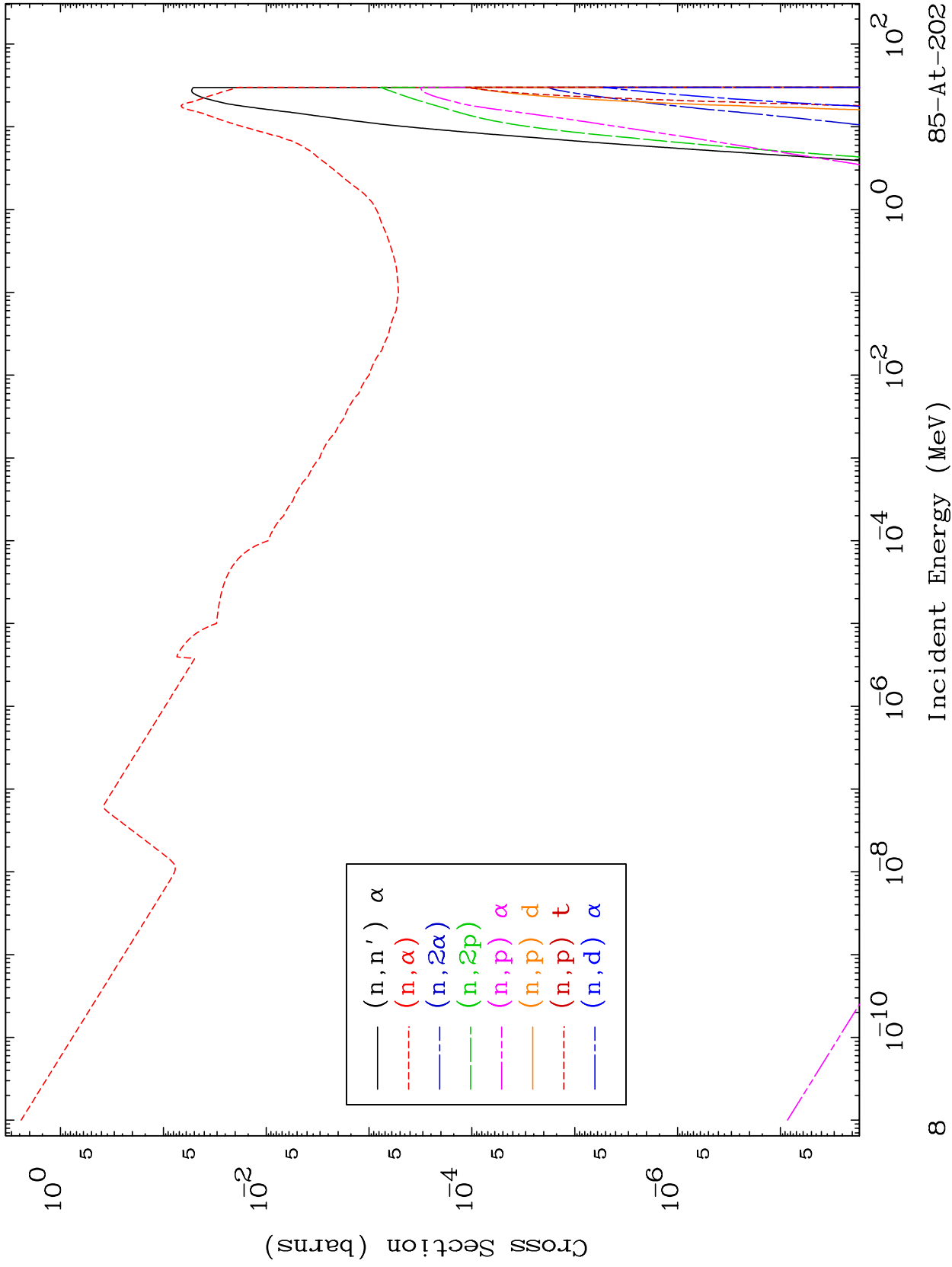




MAT 8522

Charged Particle
293 Kelvin Cross Sections

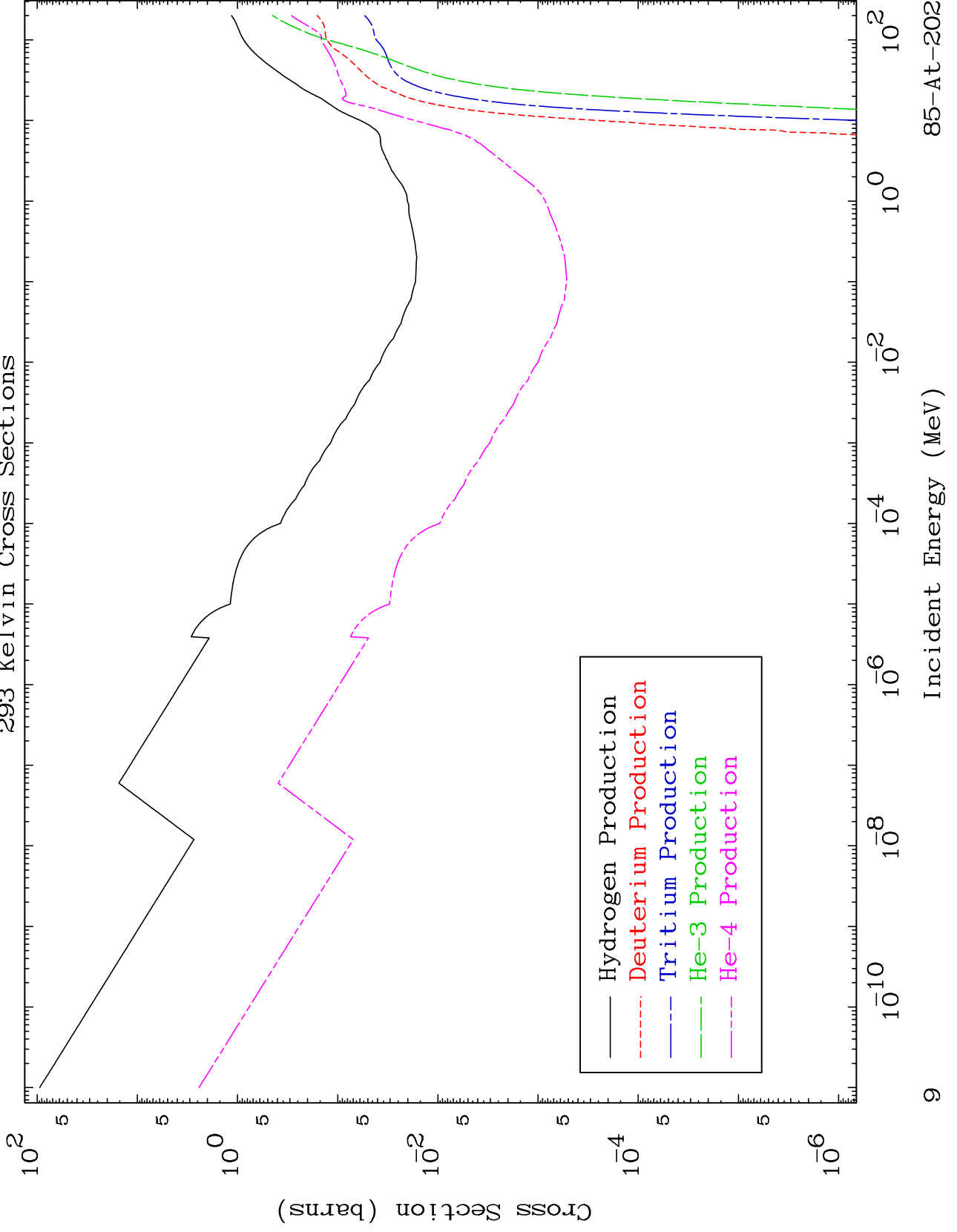
85-At-202



MAT 85222

Particle Production
293 Kelvin Cross Sections

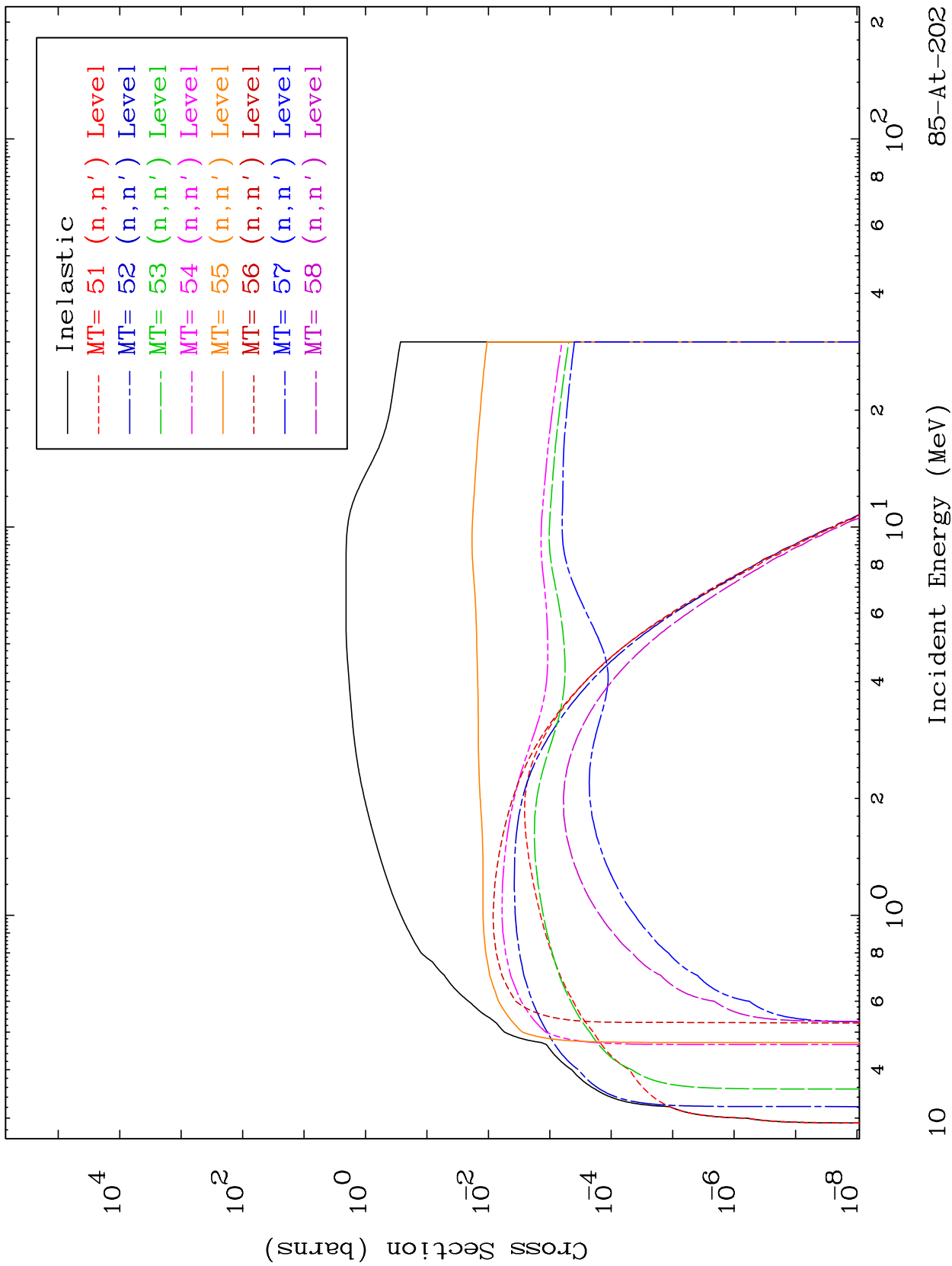
85-At-202



MAT 8522

(n,n') Levels
293 Kelvin Cross Sections

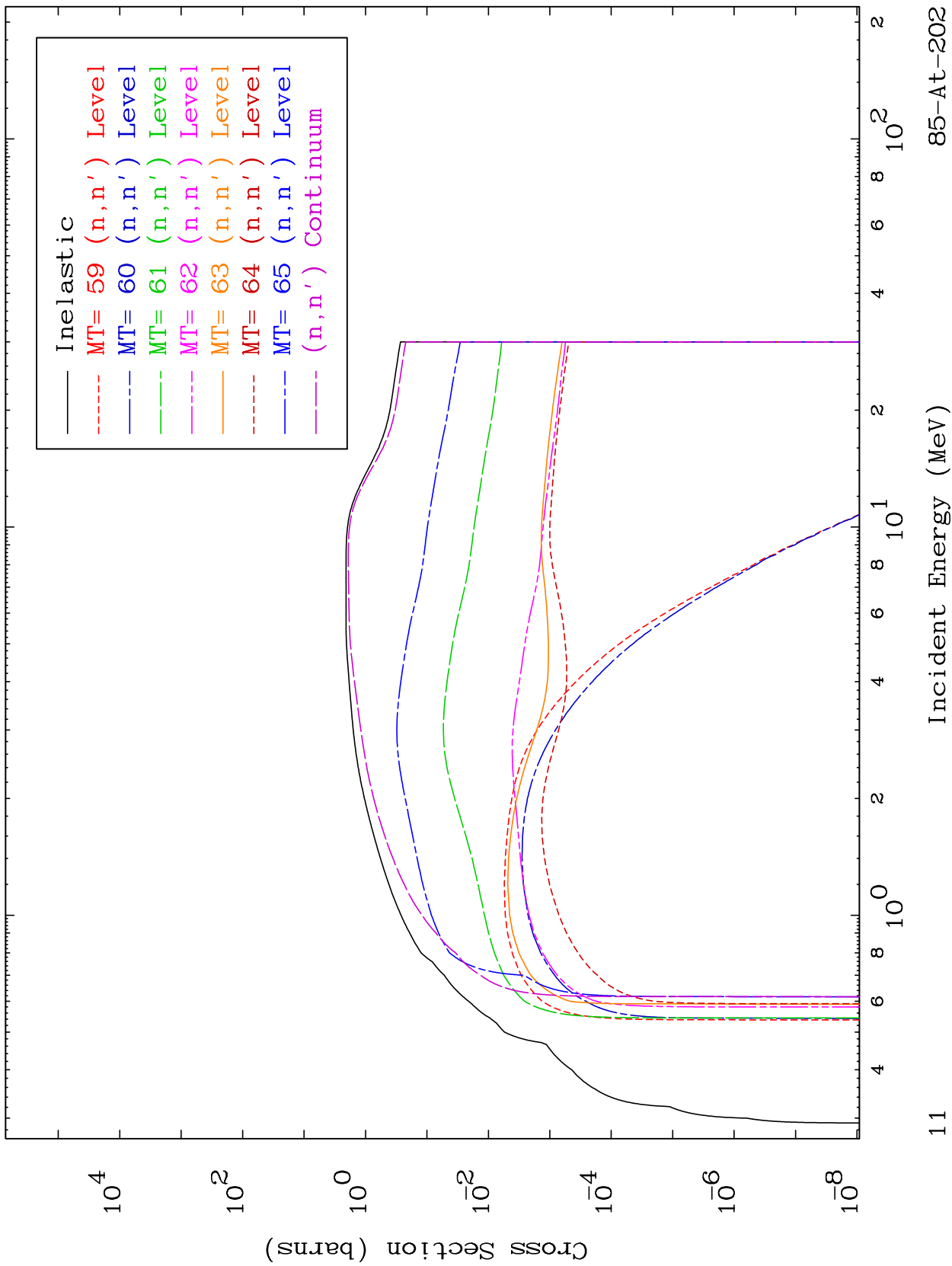
85-At-202

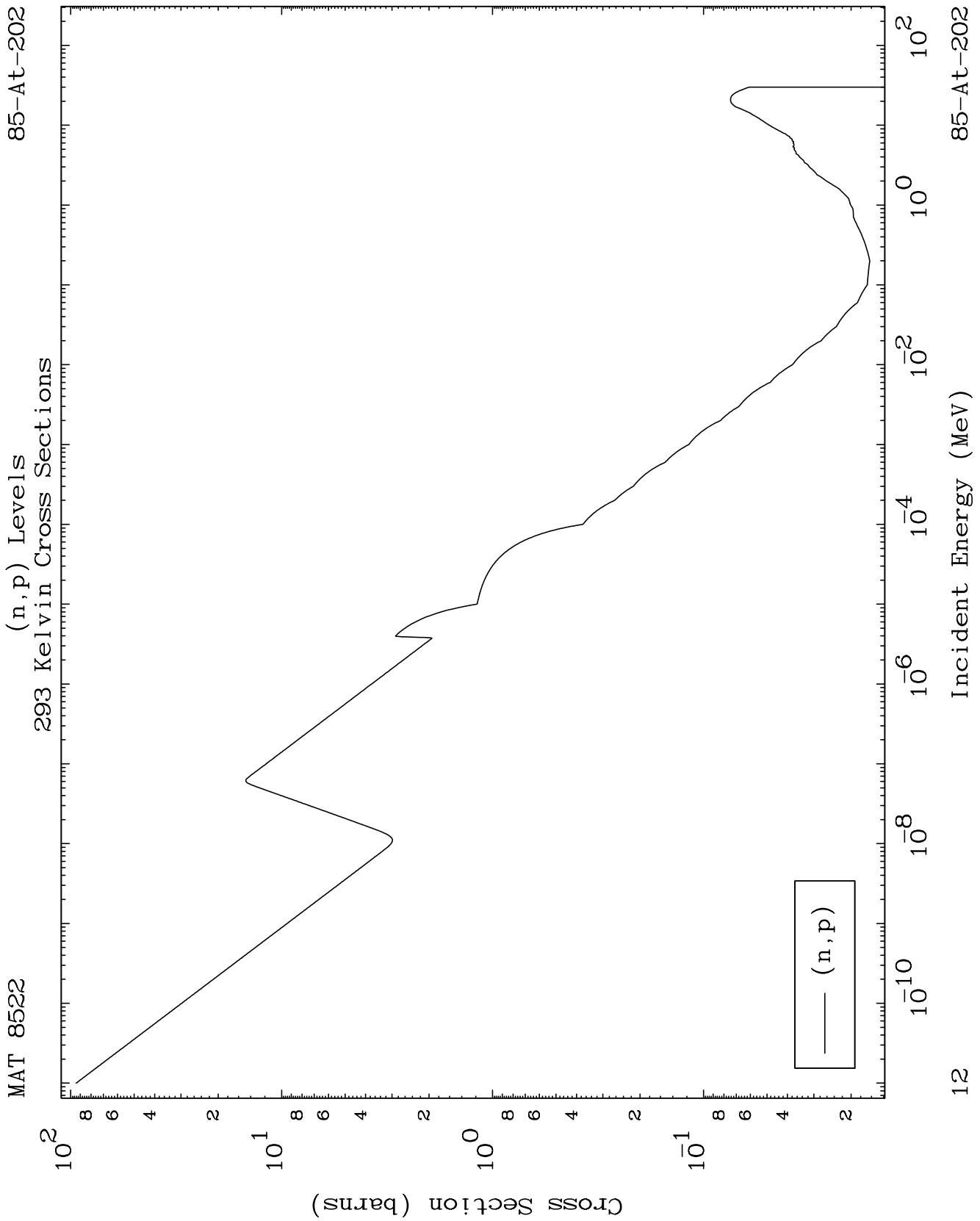


10

Incident Energy (MeV)

85-At-202

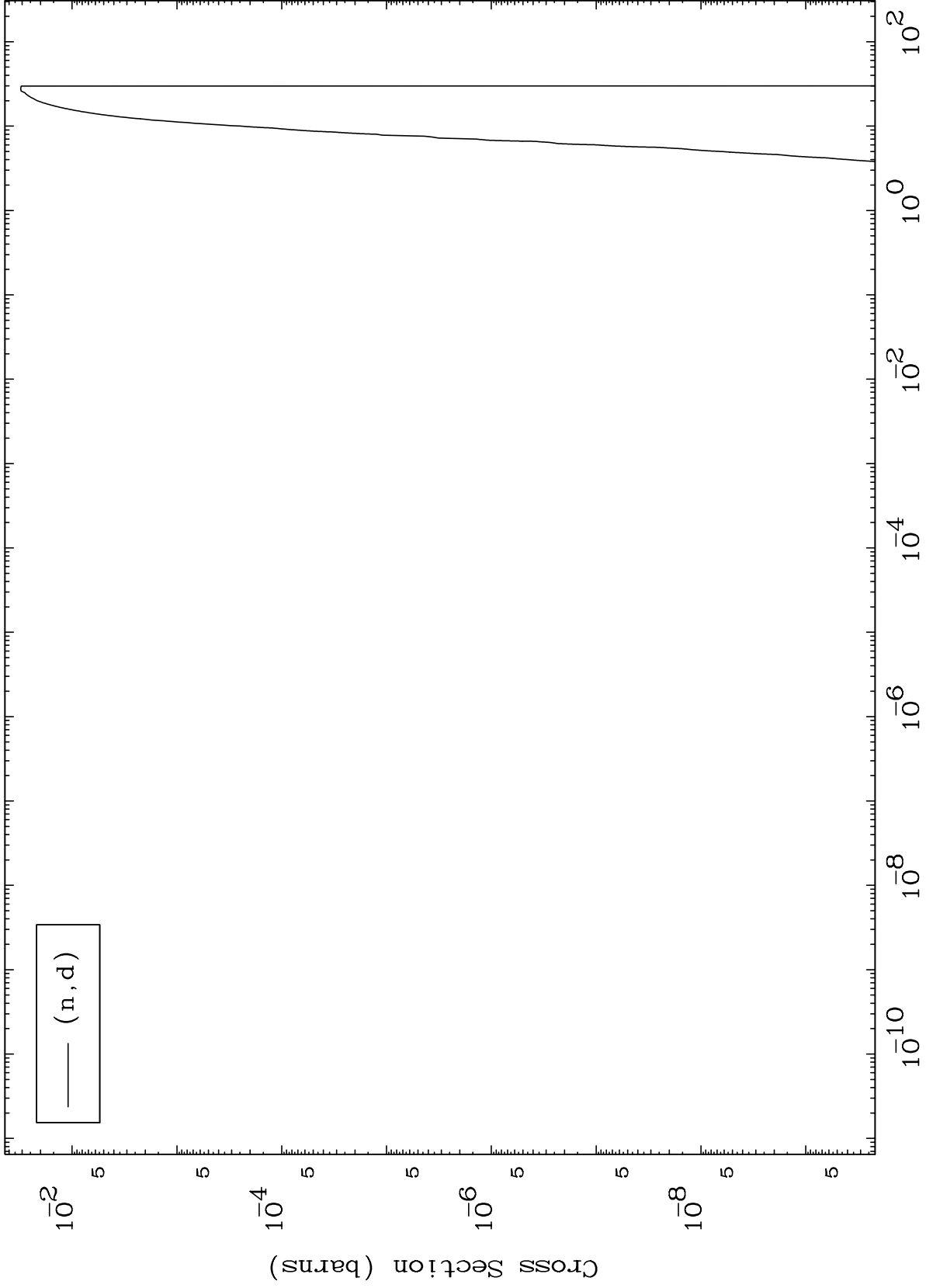




MAT 85222

(n,d) Levels
293 Kelvin Cross Sections

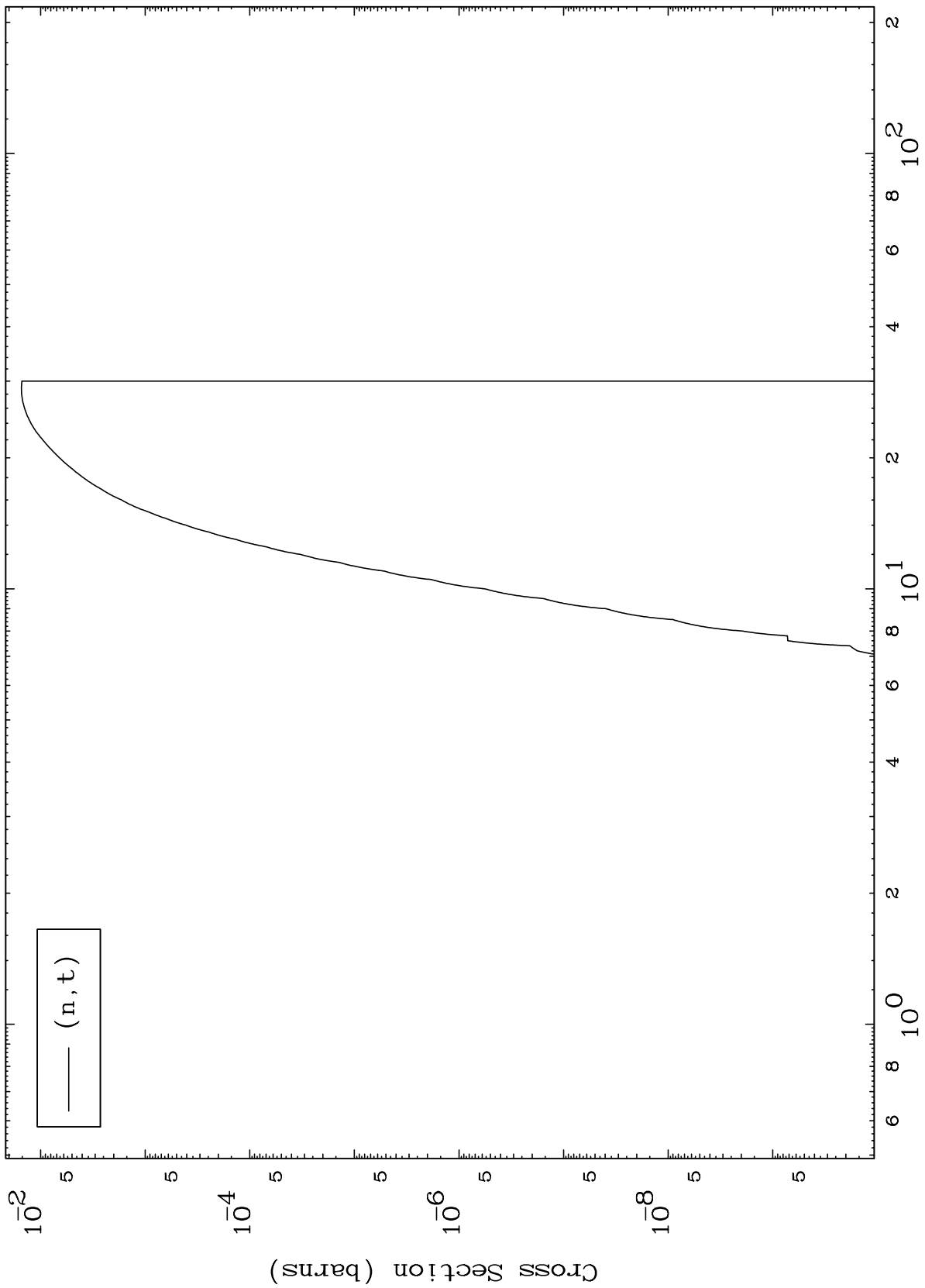
85-At-202



MAT 8522

(n,t) Levels
293 Kelvin Cross Sections

85-At-202



14

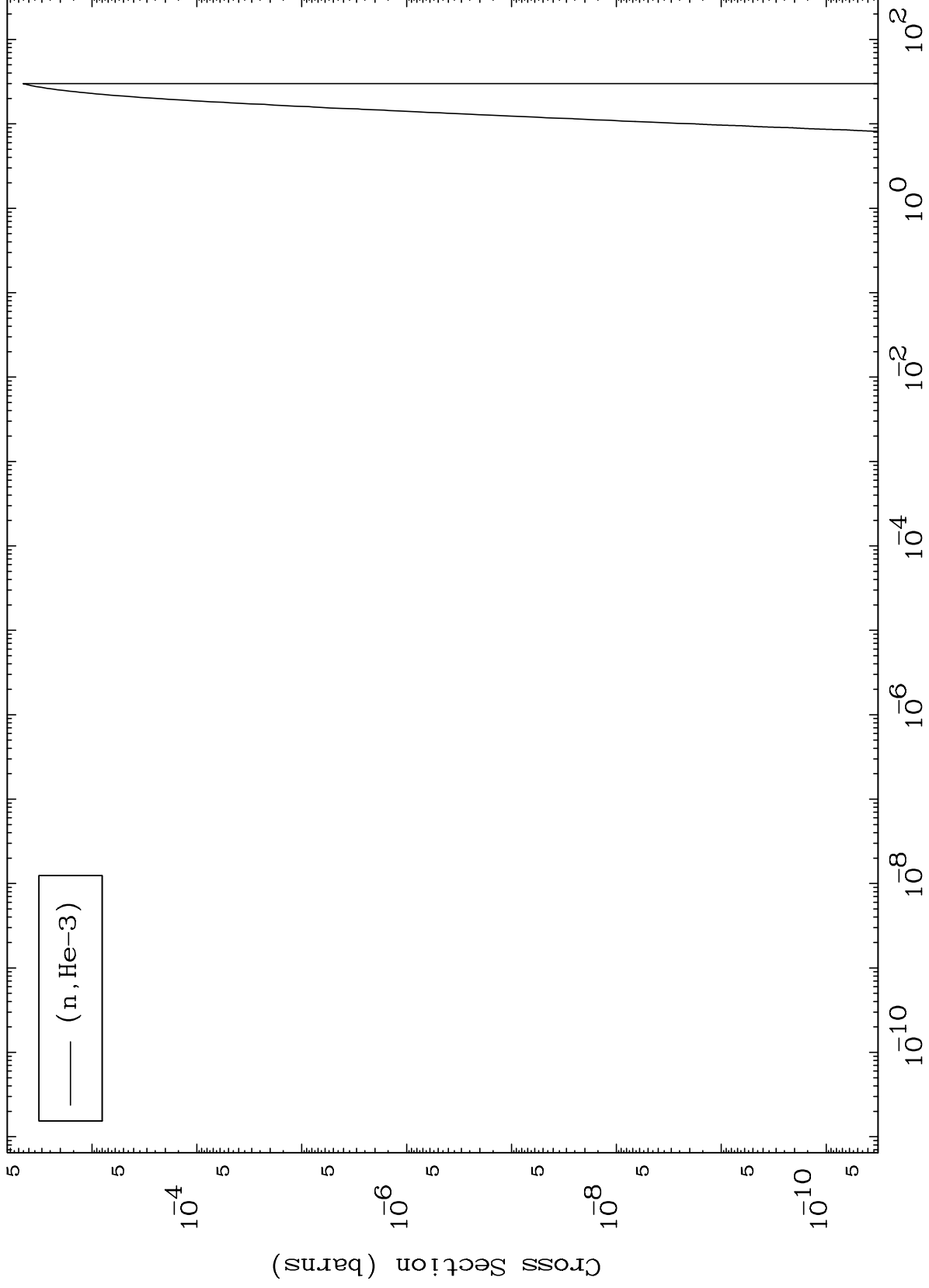
Incident Energy (MeV)

85-At-202

MAT 85222

(n,He3) Levels
293 Kelvin Cross Sections

85-At-202



15

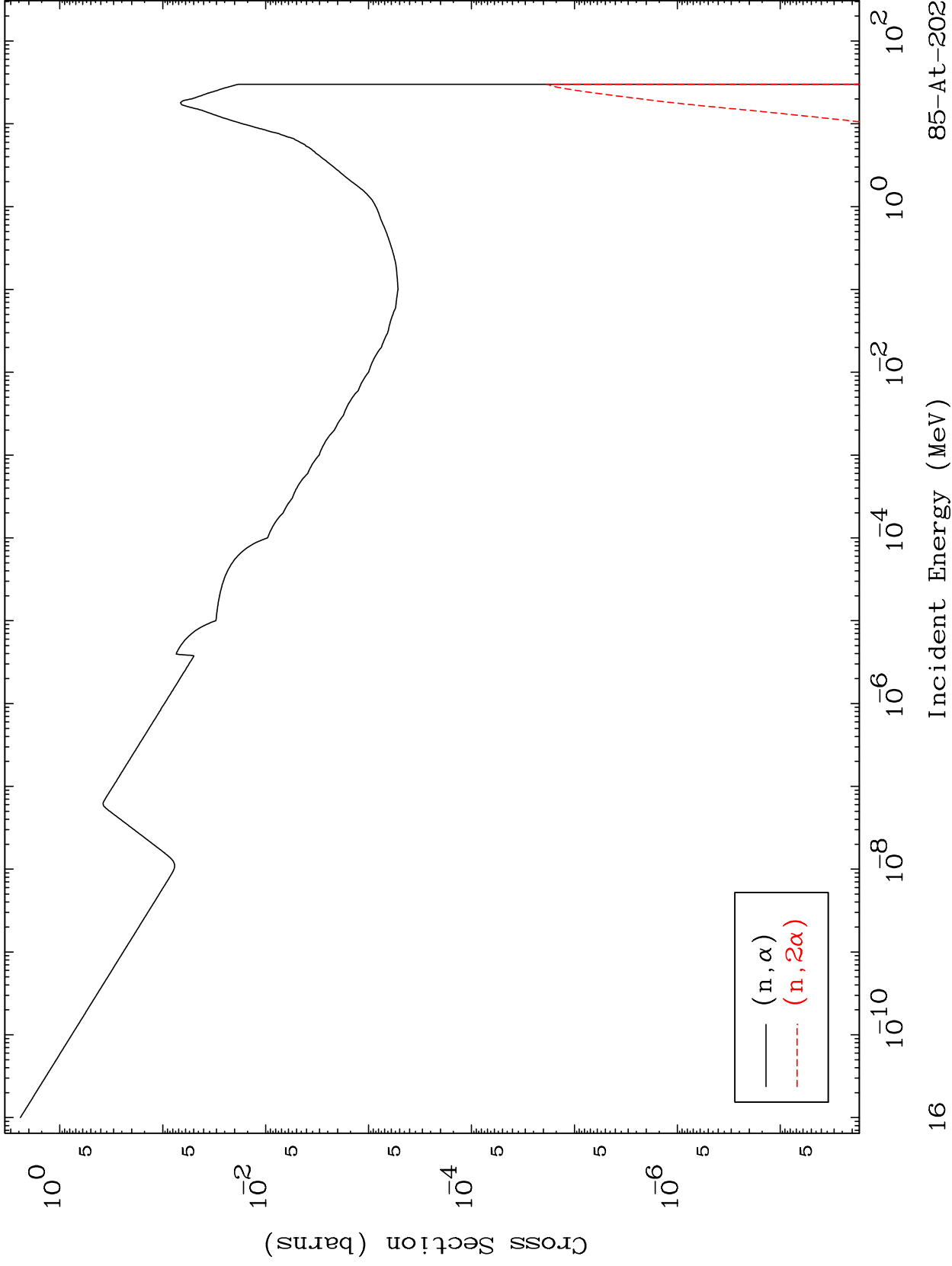
Incident Energy (MeV)

85-At-202

MAT 85222

(n,α) Levels
293 Kelvin Cross Sections

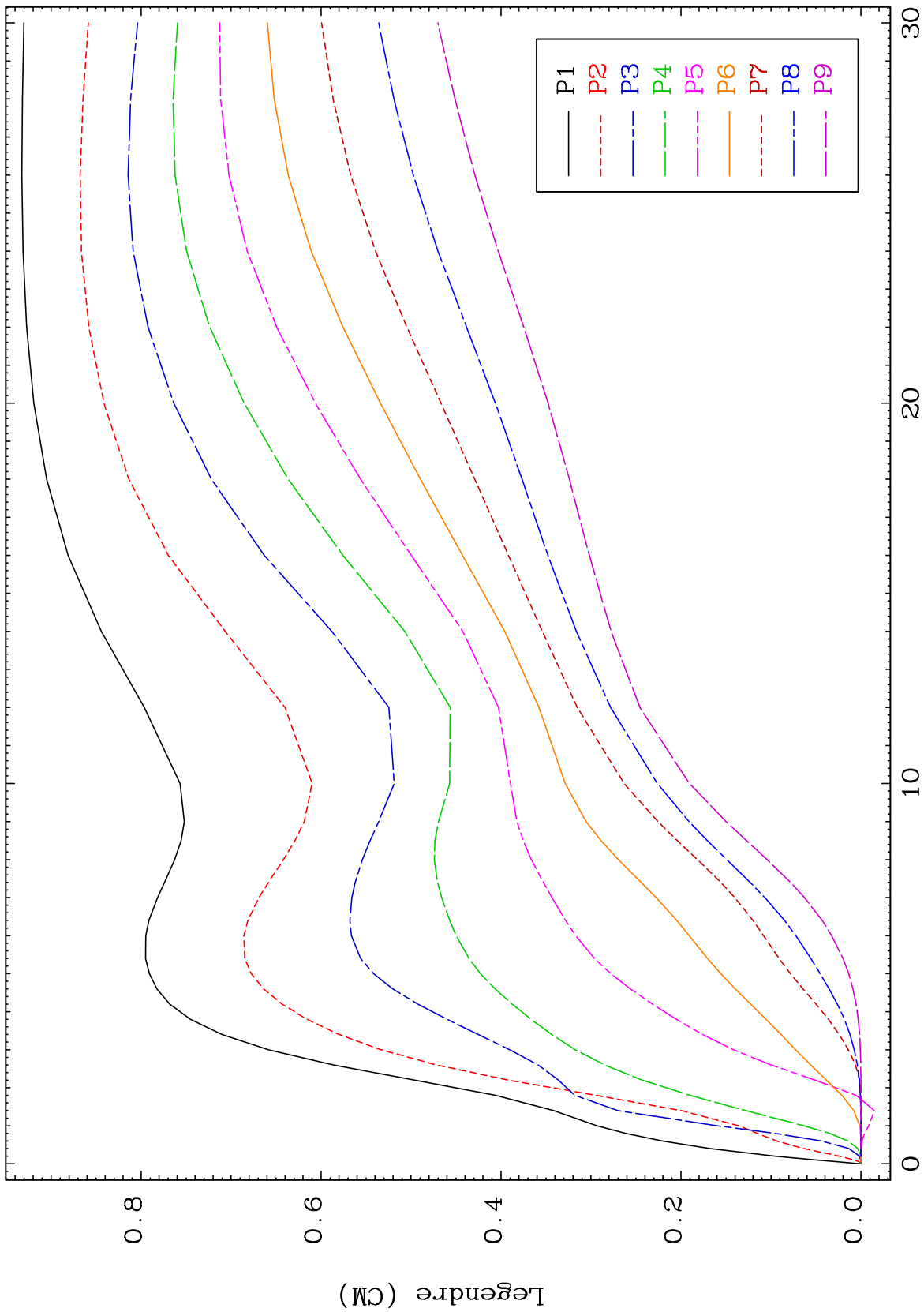
85-At-202



MAT 8522

85-At-202

Elastic Legendre Coefficients



17

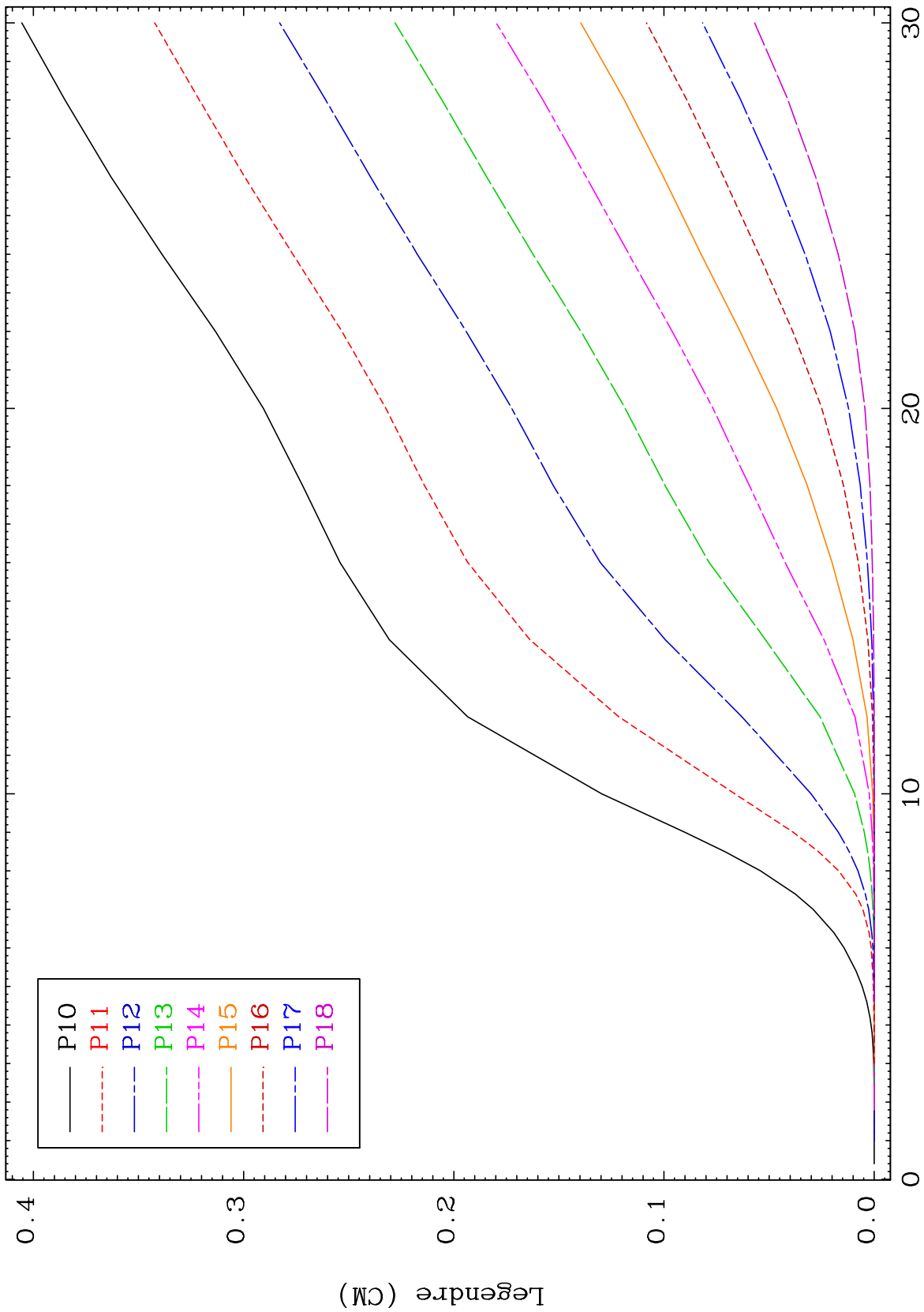
Incident Energy (MeV)

85-At-202

MAT 85222

Elastic Legendre Coefficients

85-At-202



18

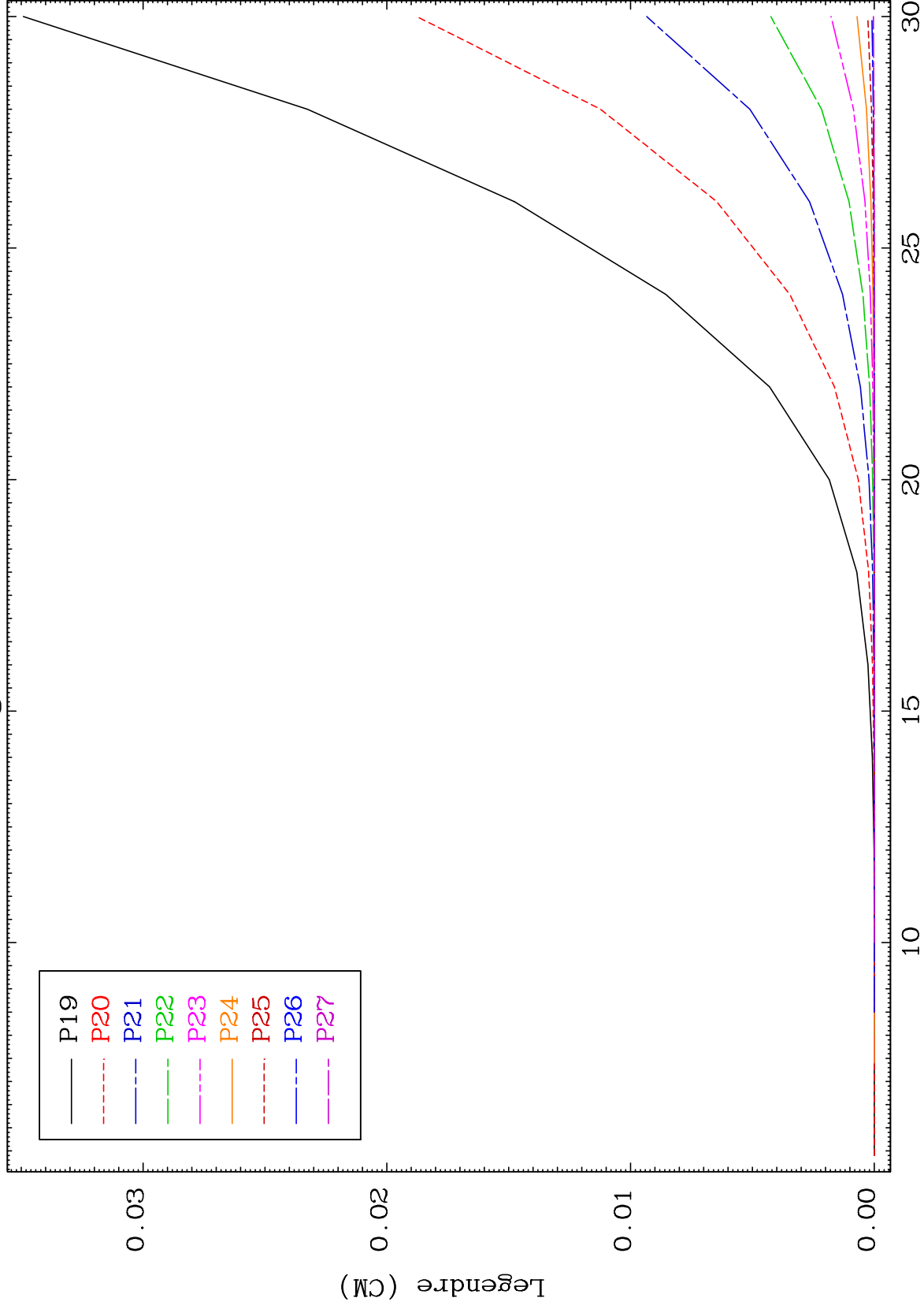
Incident Energy (MeV)

85-At-202

MAT 8522

Elastic Legendre Coefficients

85-At-202



19

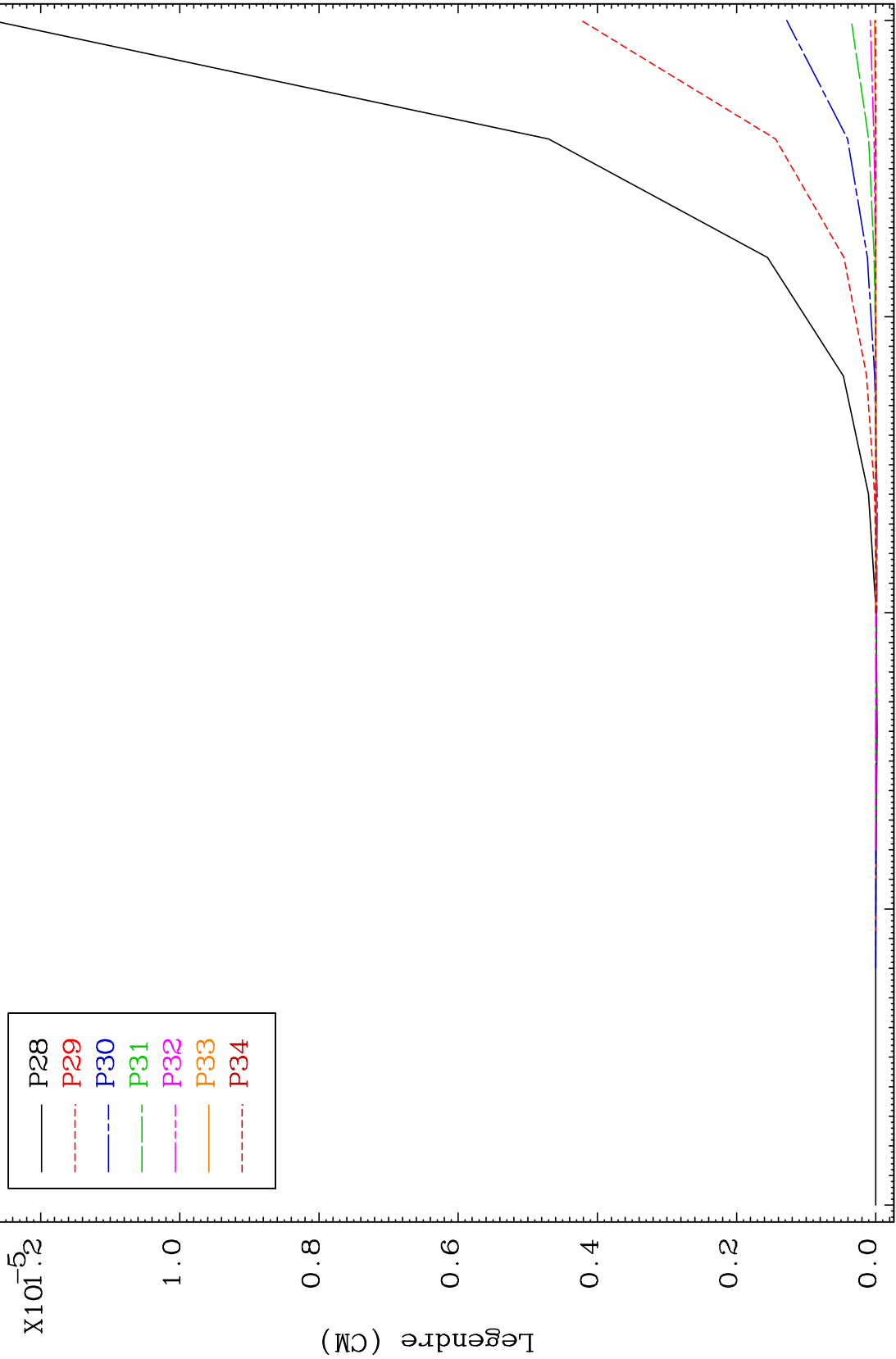
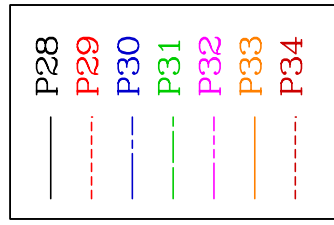
Incident Energy (MeV)

85-At-202

MAT 8522

Elastic
Legendre Coefficients

85-At-202



20

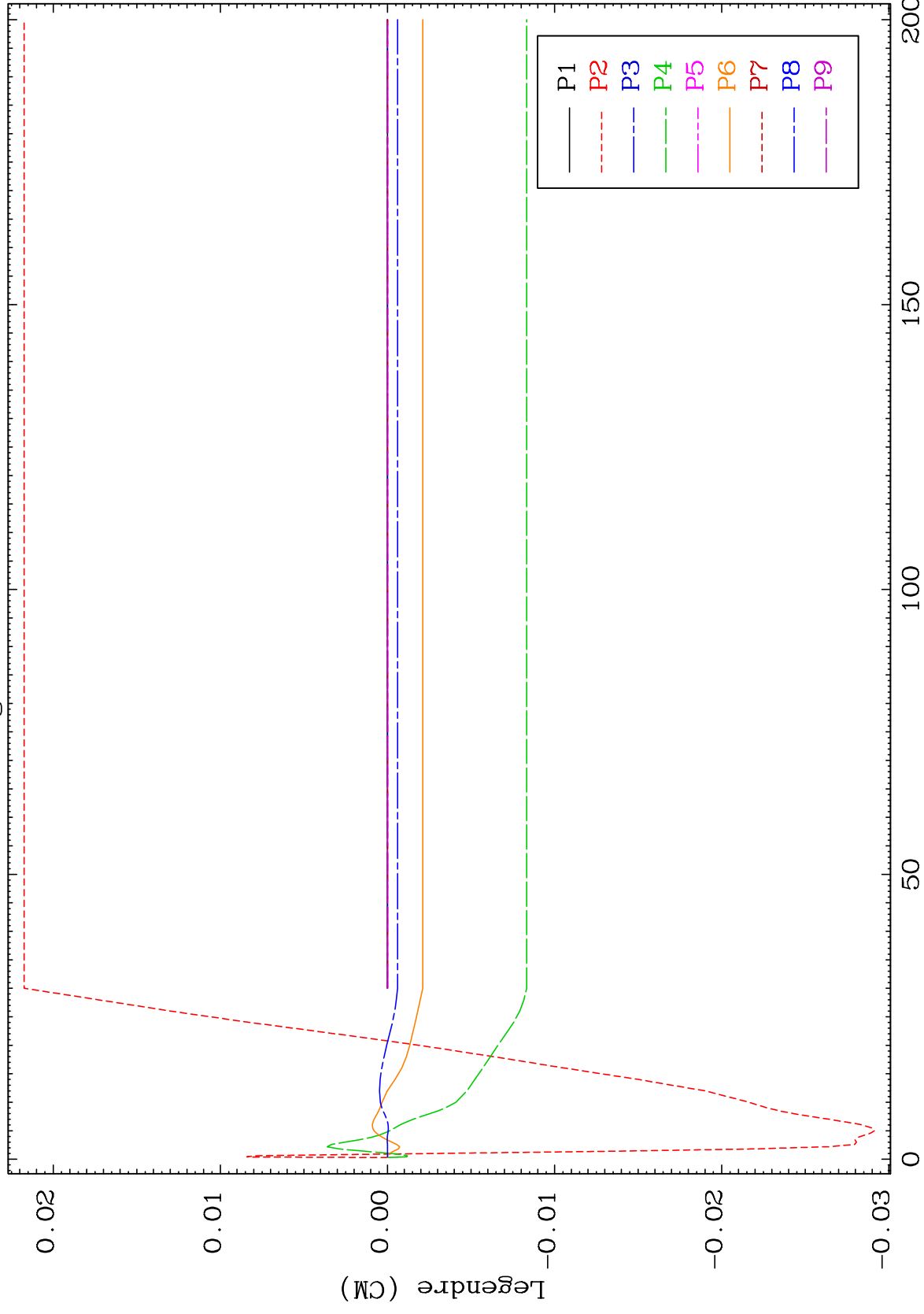
Incident Energy (MeV)

85-At-202

MAT 85222

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

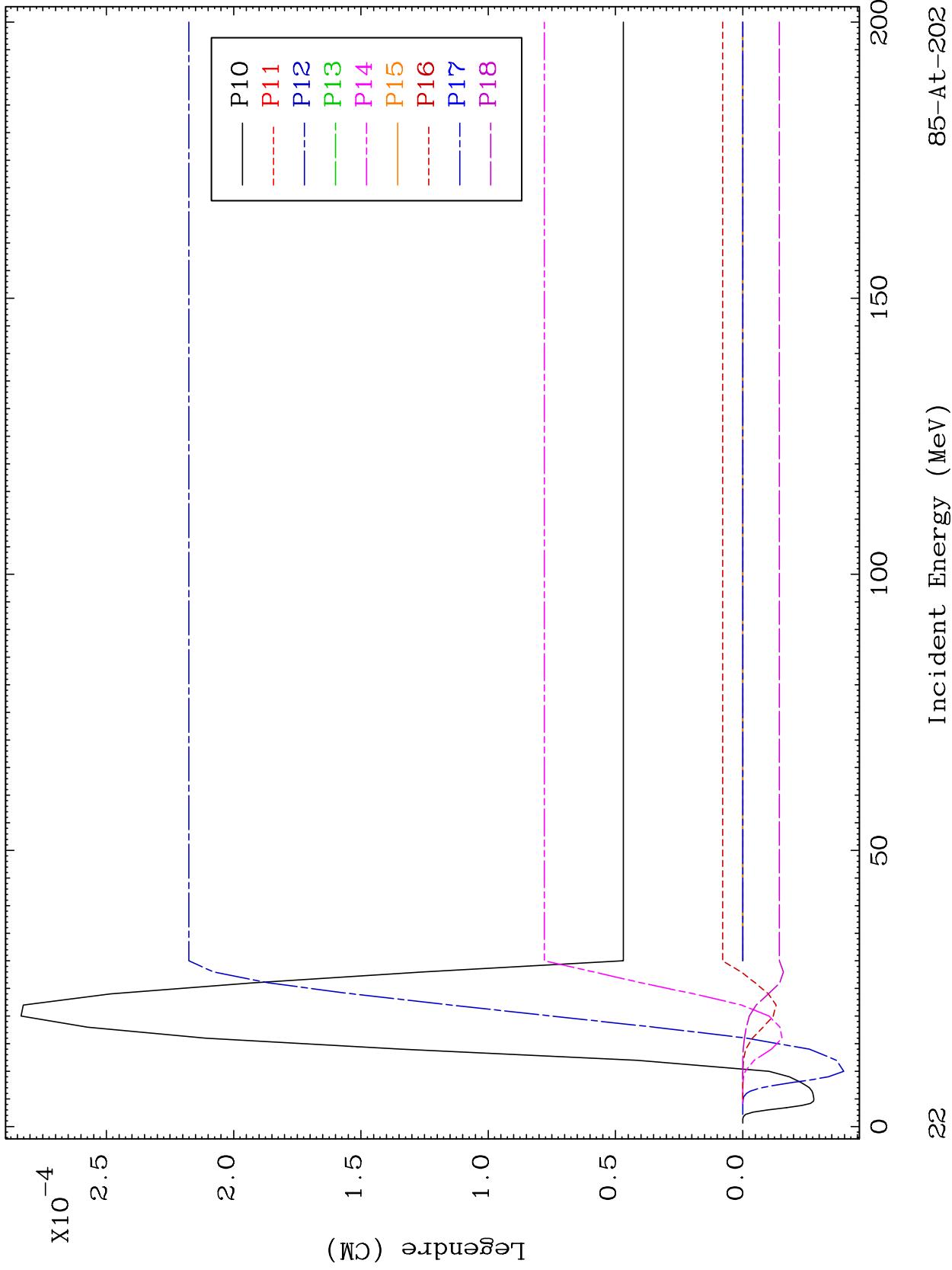
85-At-202



21

Incident Energy (MeV)

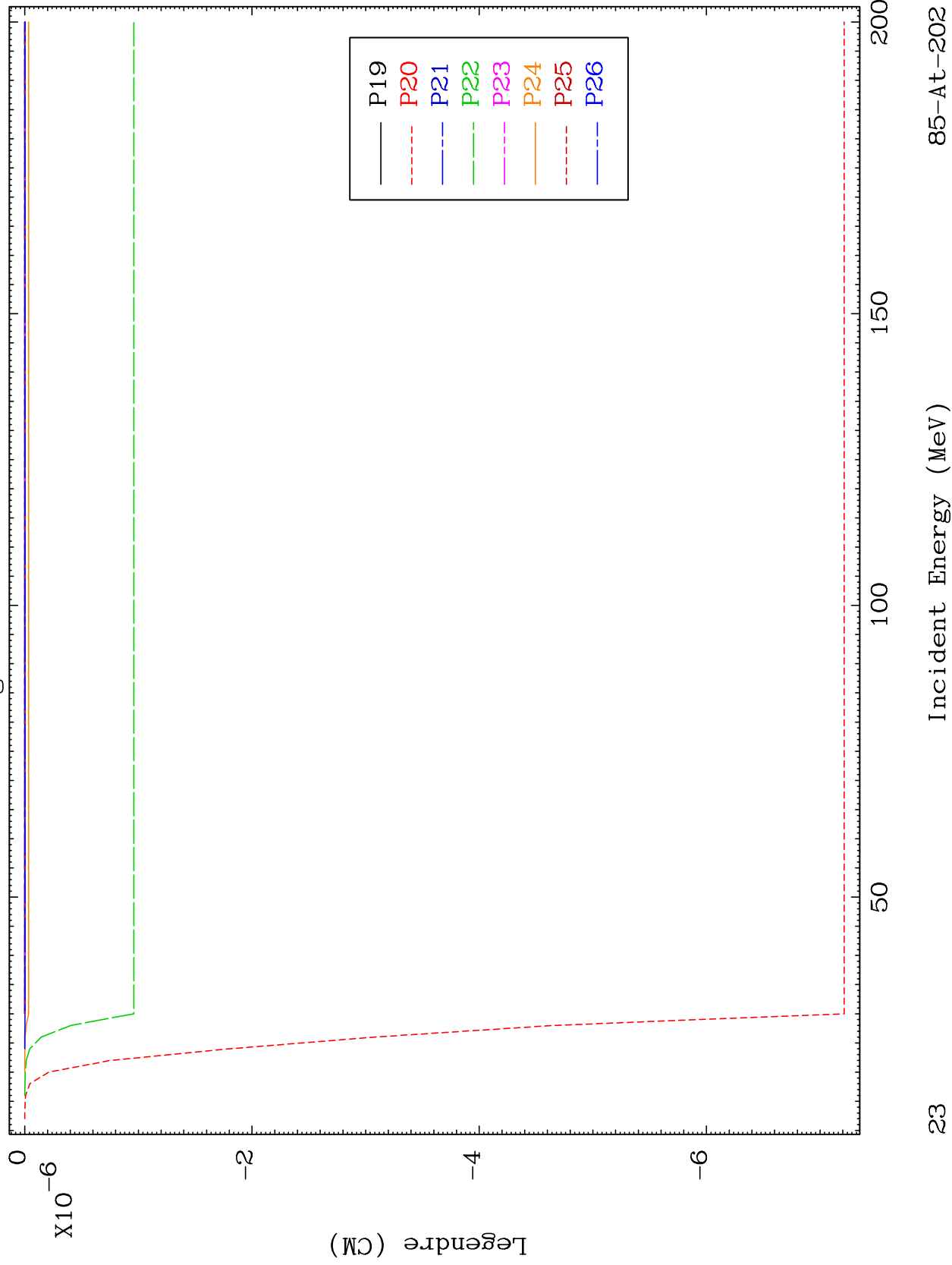
85-At-202



MAT 8522

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

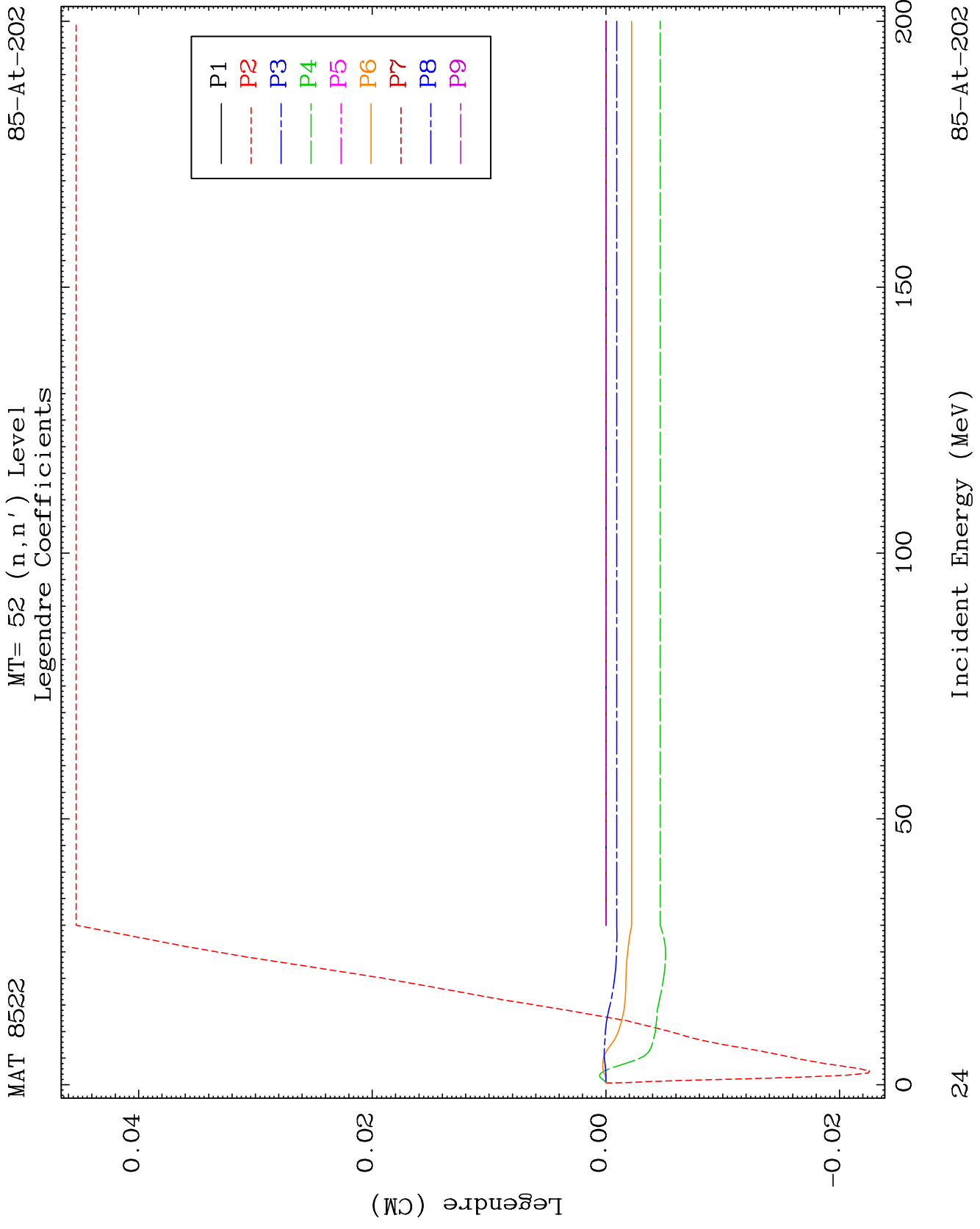
85-At-202



23

Incident Energy (MeV)

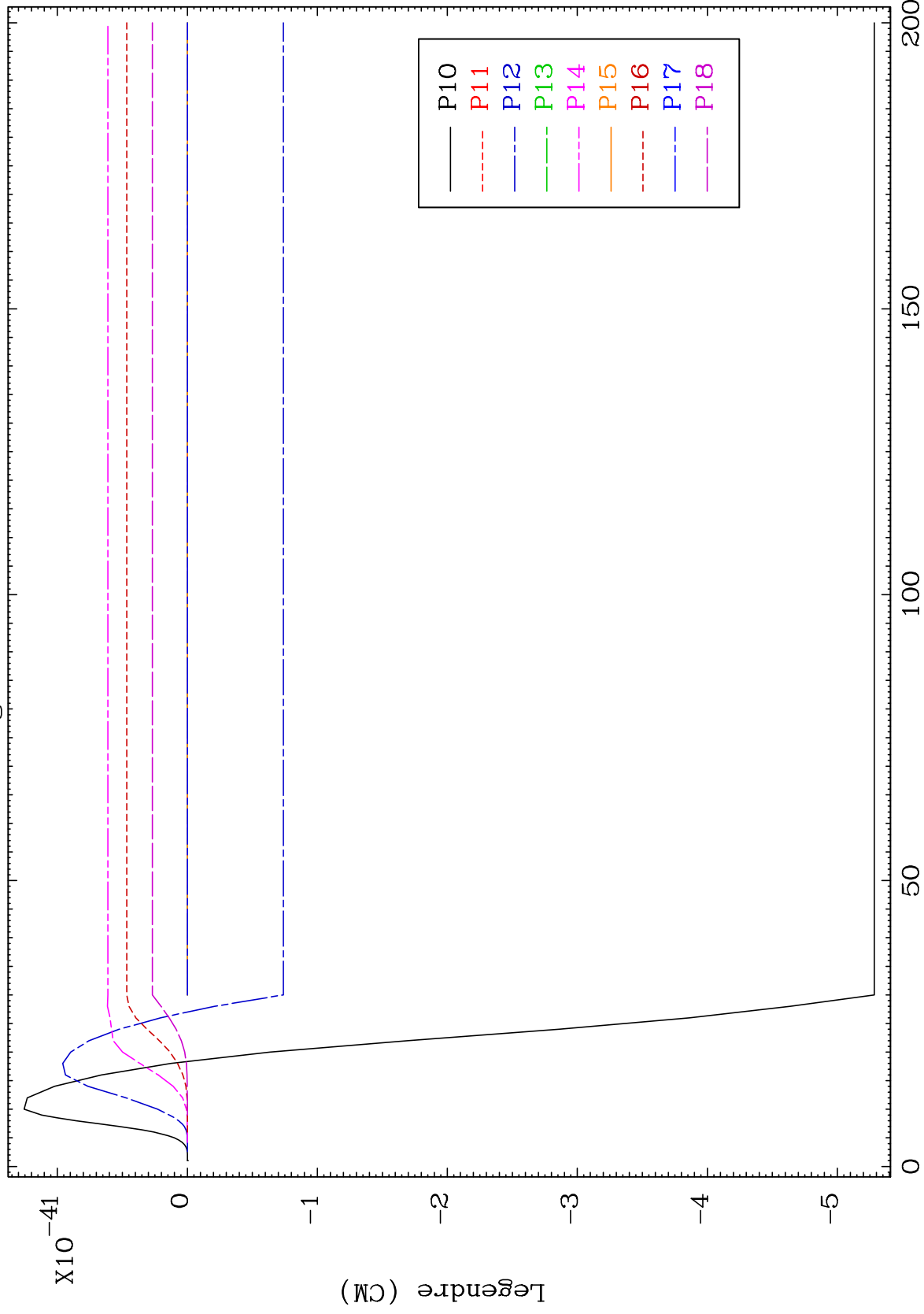
85-At-202



MAT 8522

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

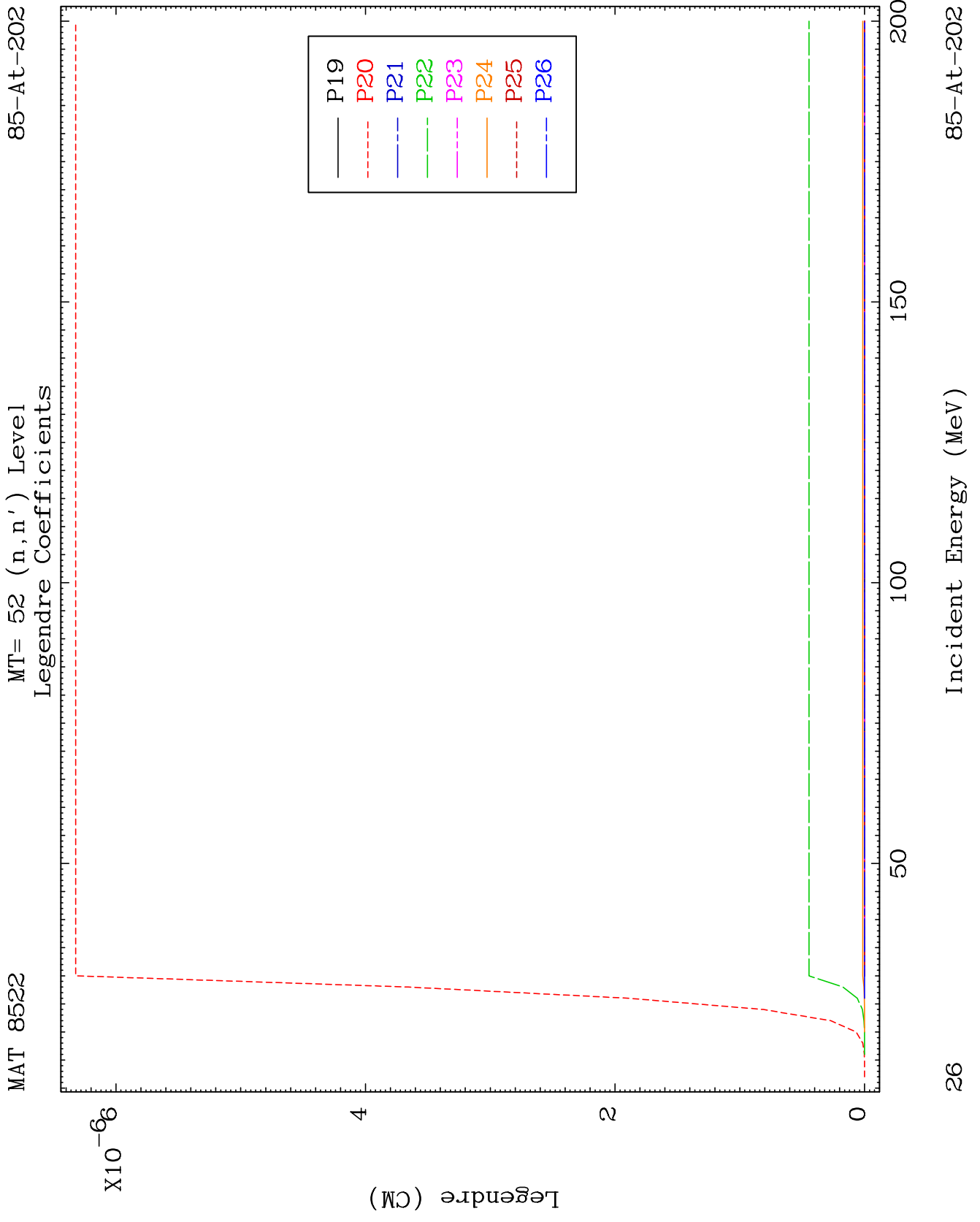
85-At-202

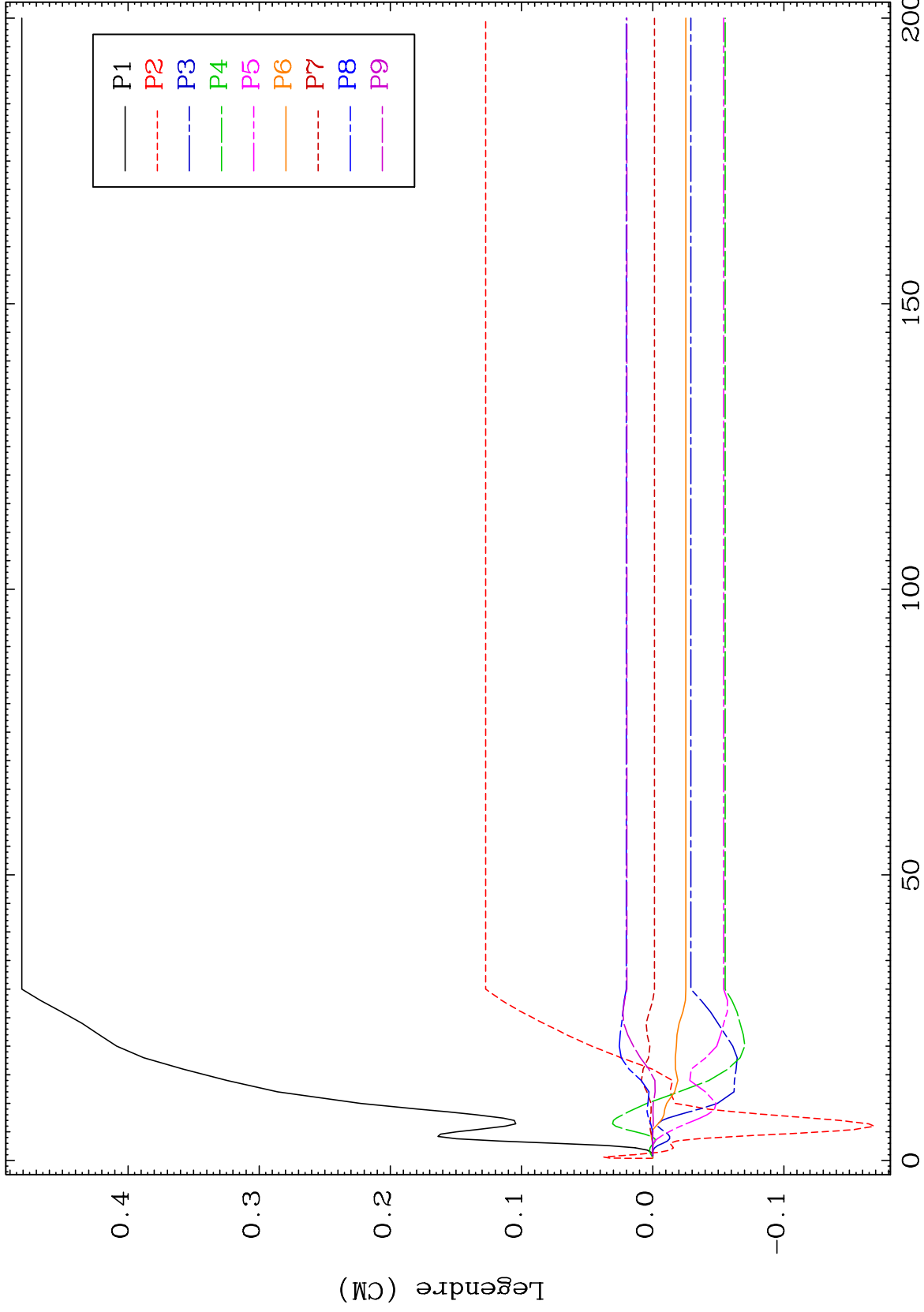


25

Incident Energy (MeV)

85-At-202

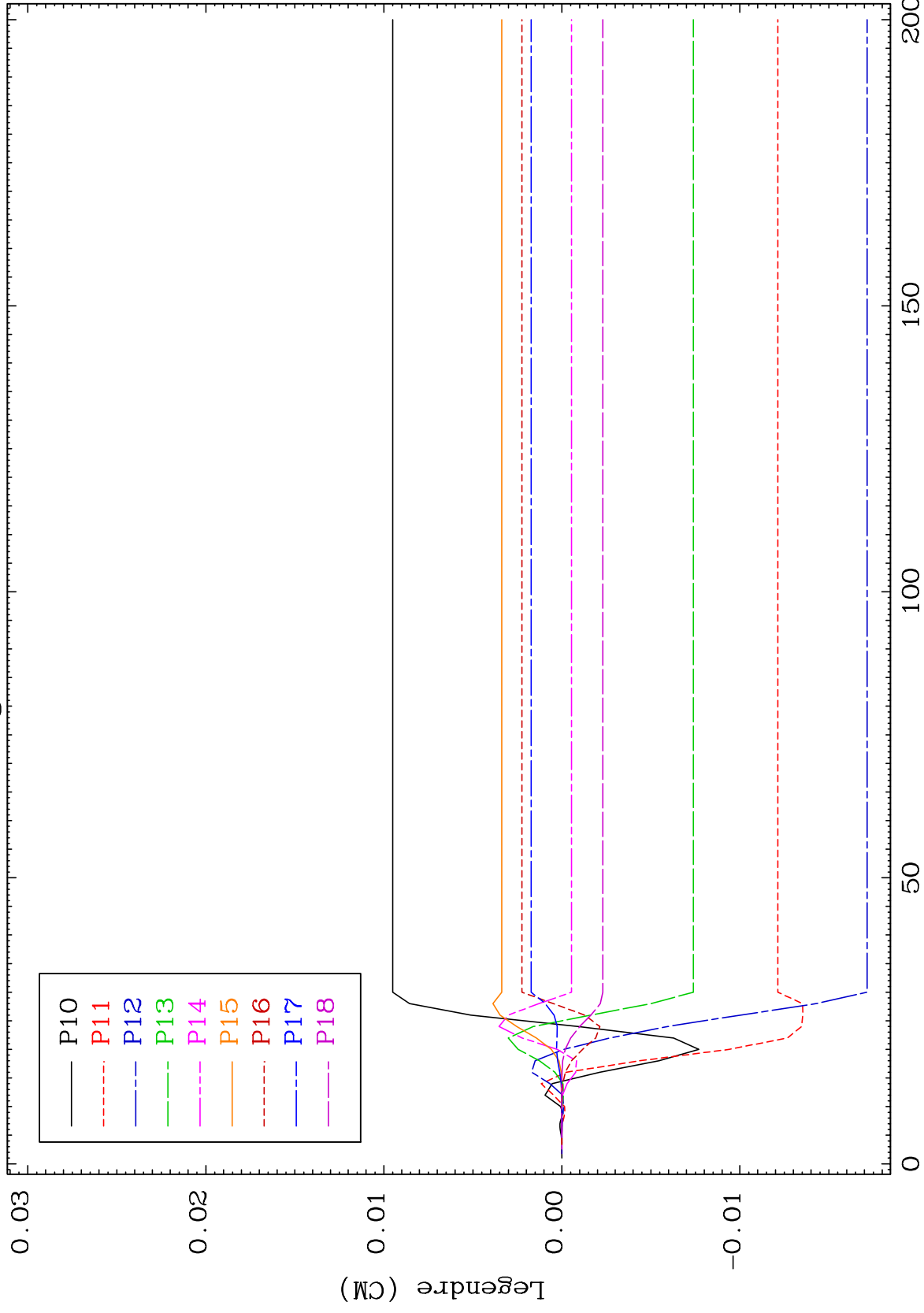




MAT 85222

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

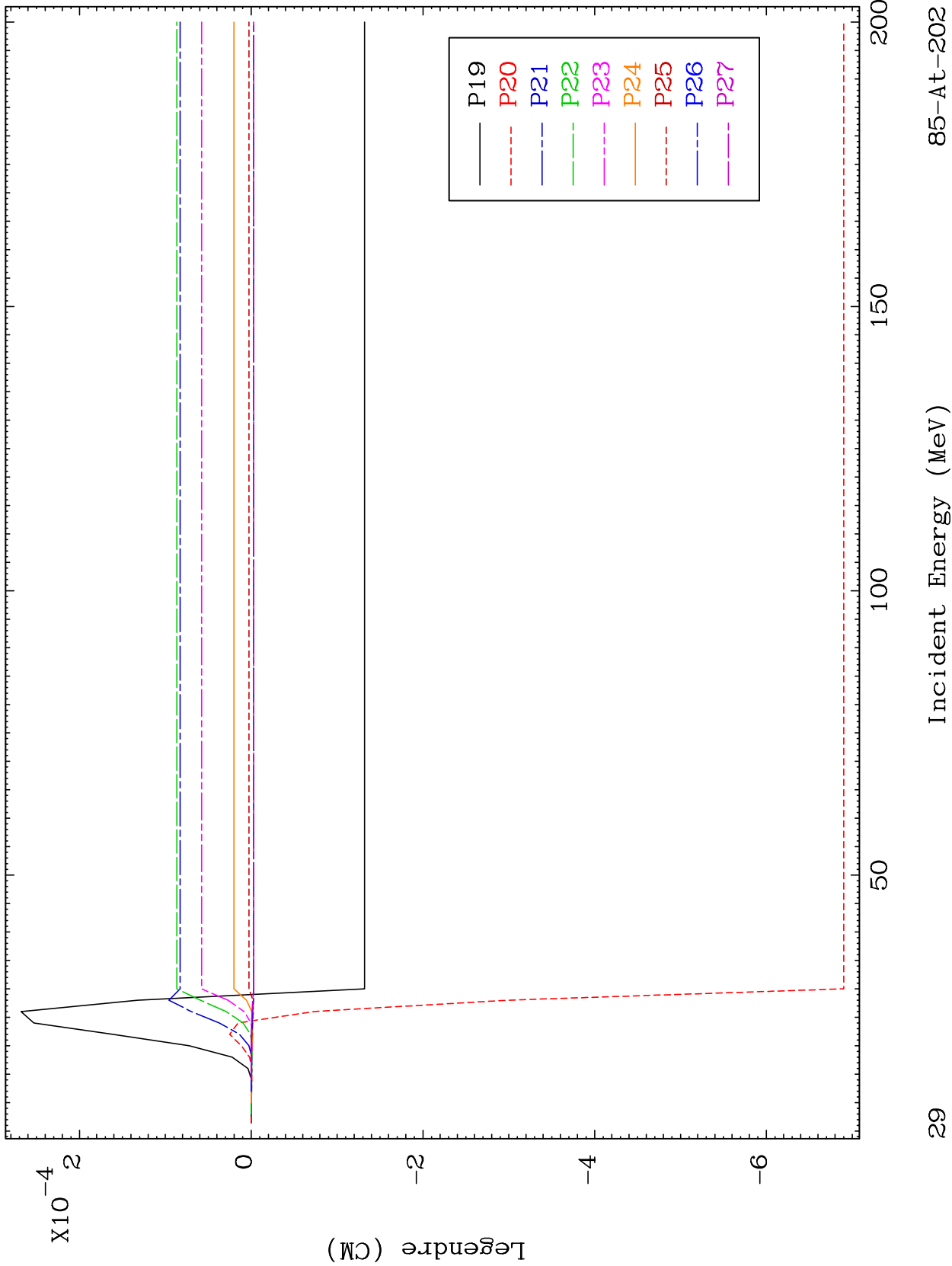
85-At-202

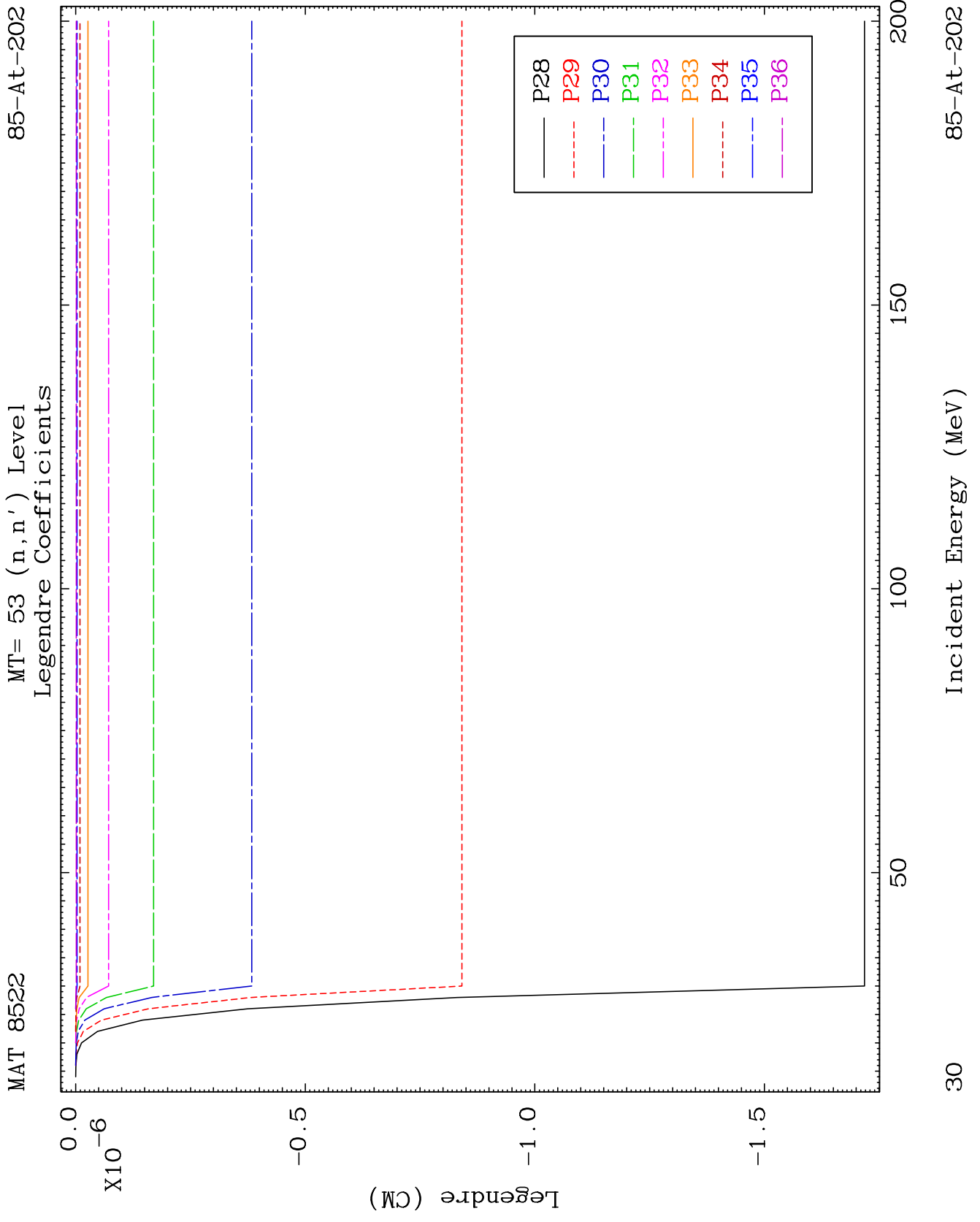


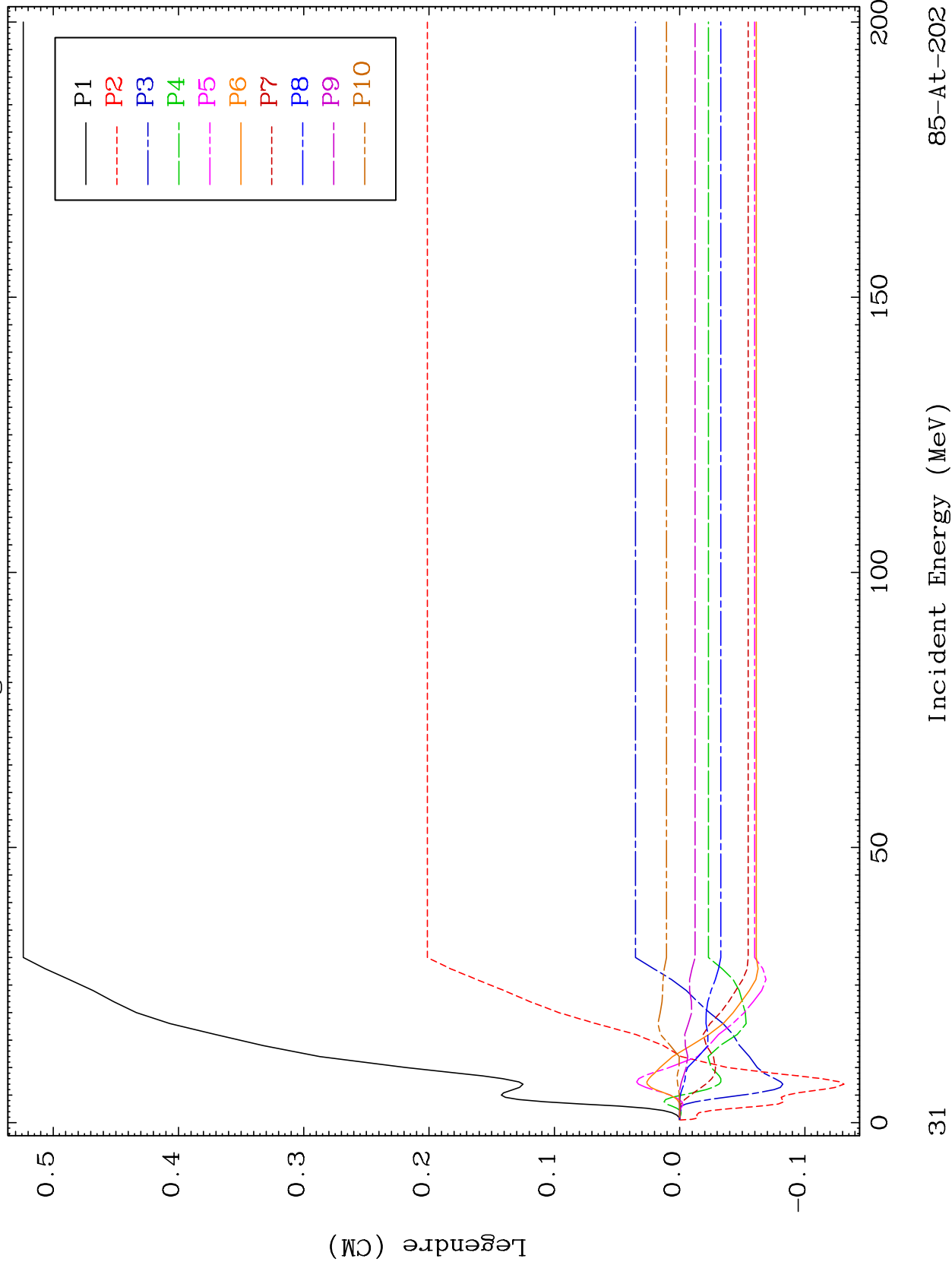
28

Incident Energy (MeV)

85-At-202



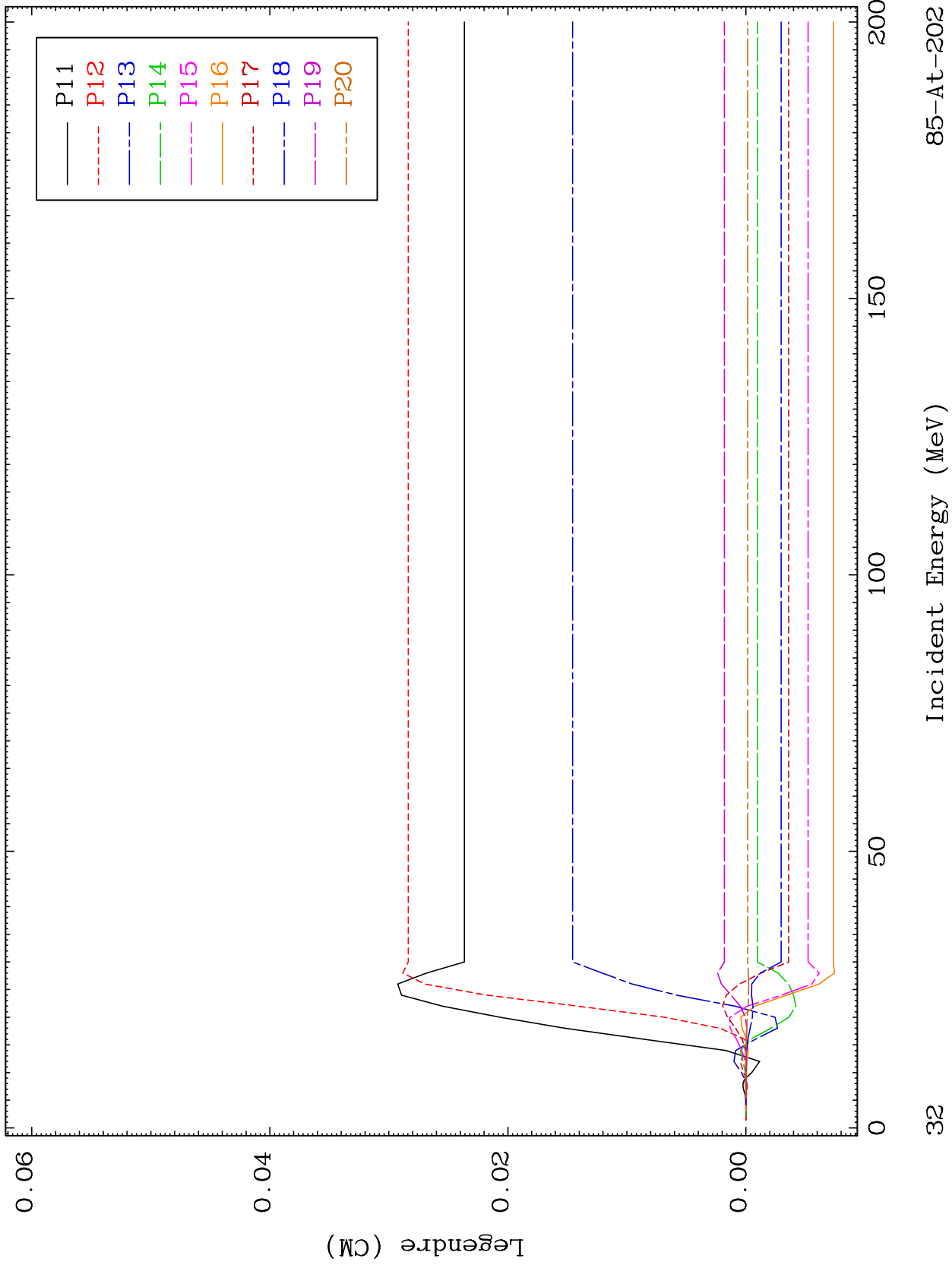




MAT 8522

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

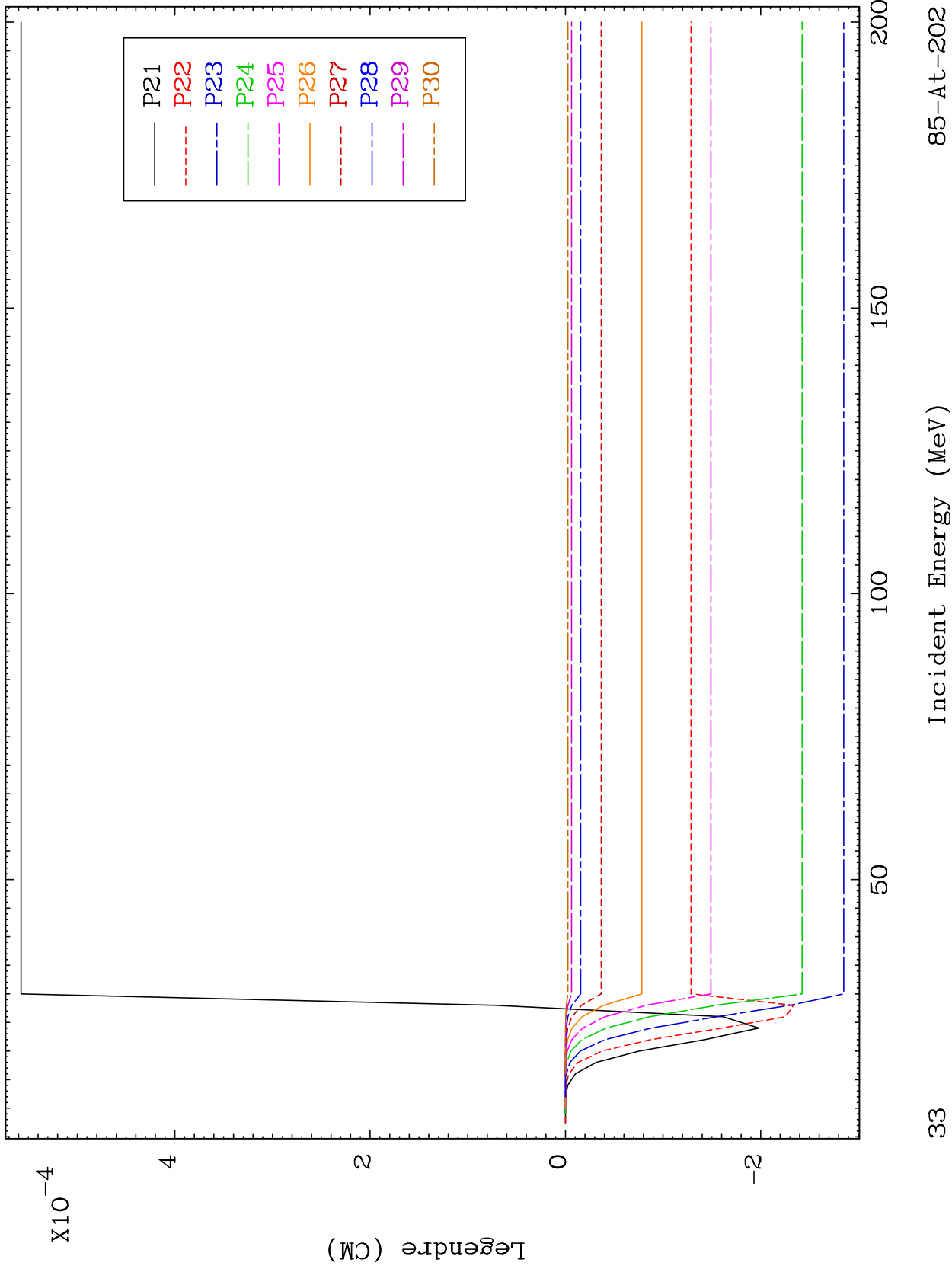
85-At-202



85-At-202

Incident Energy (MeV)

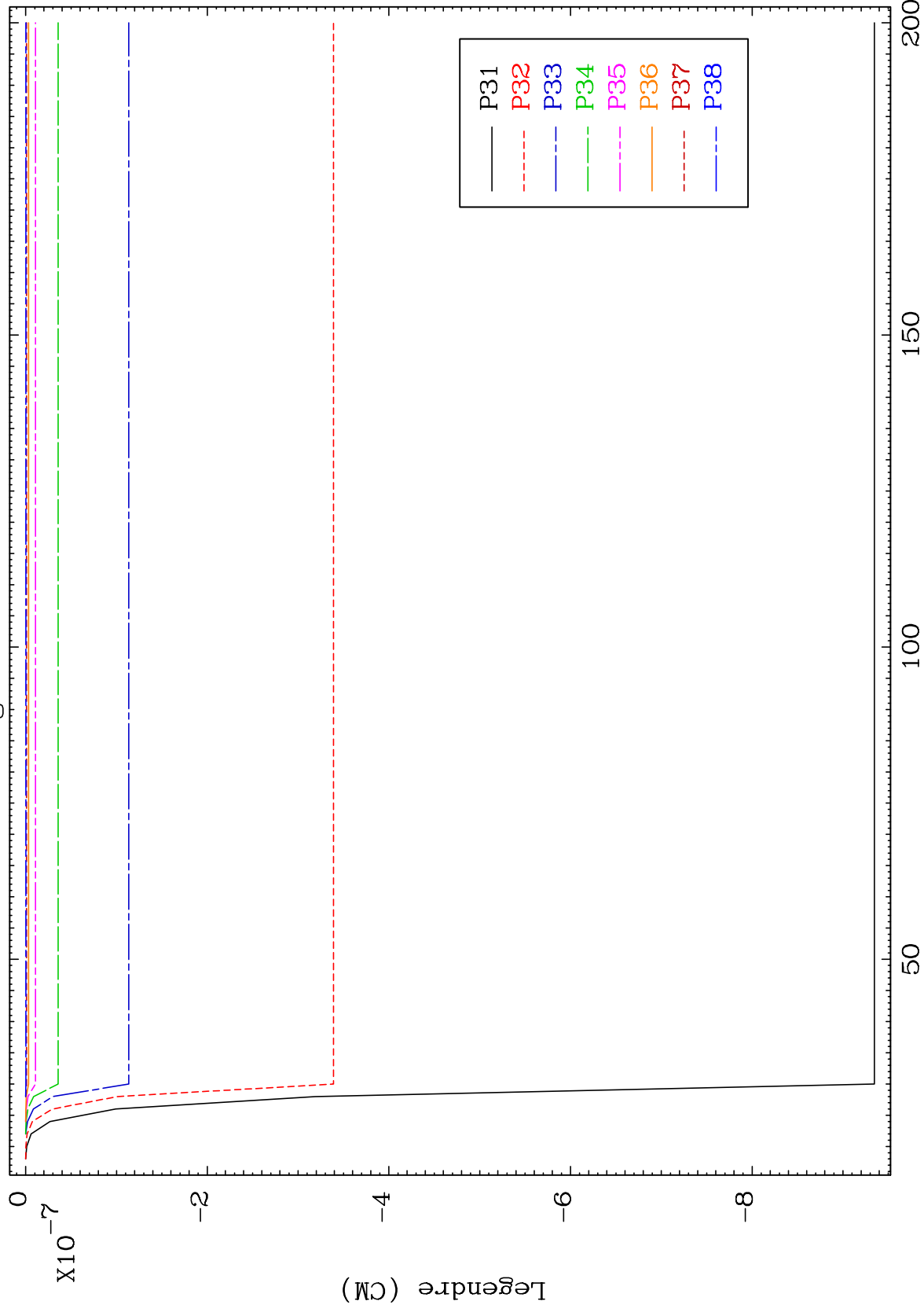
32



MAT 8522

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

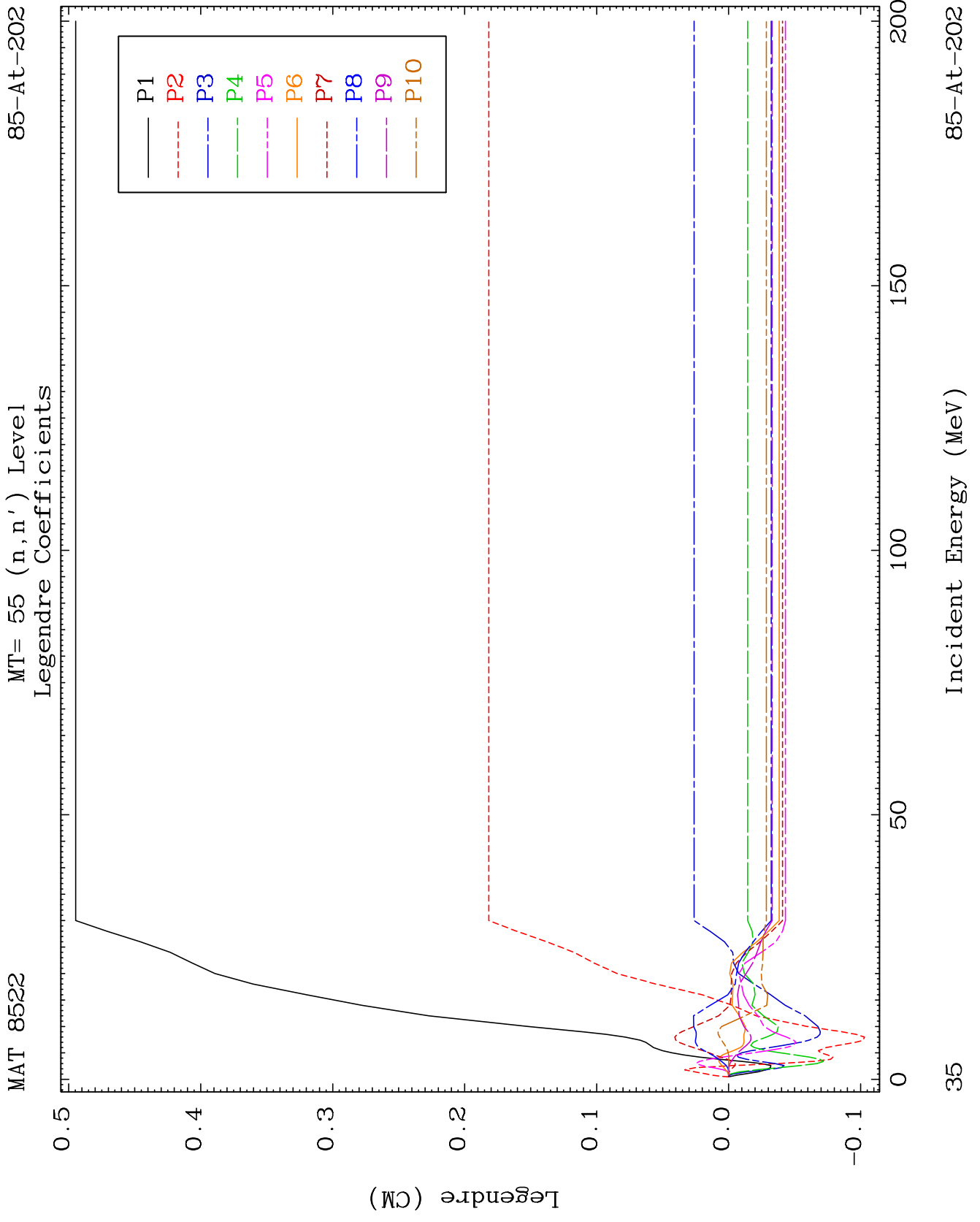
85-At-202

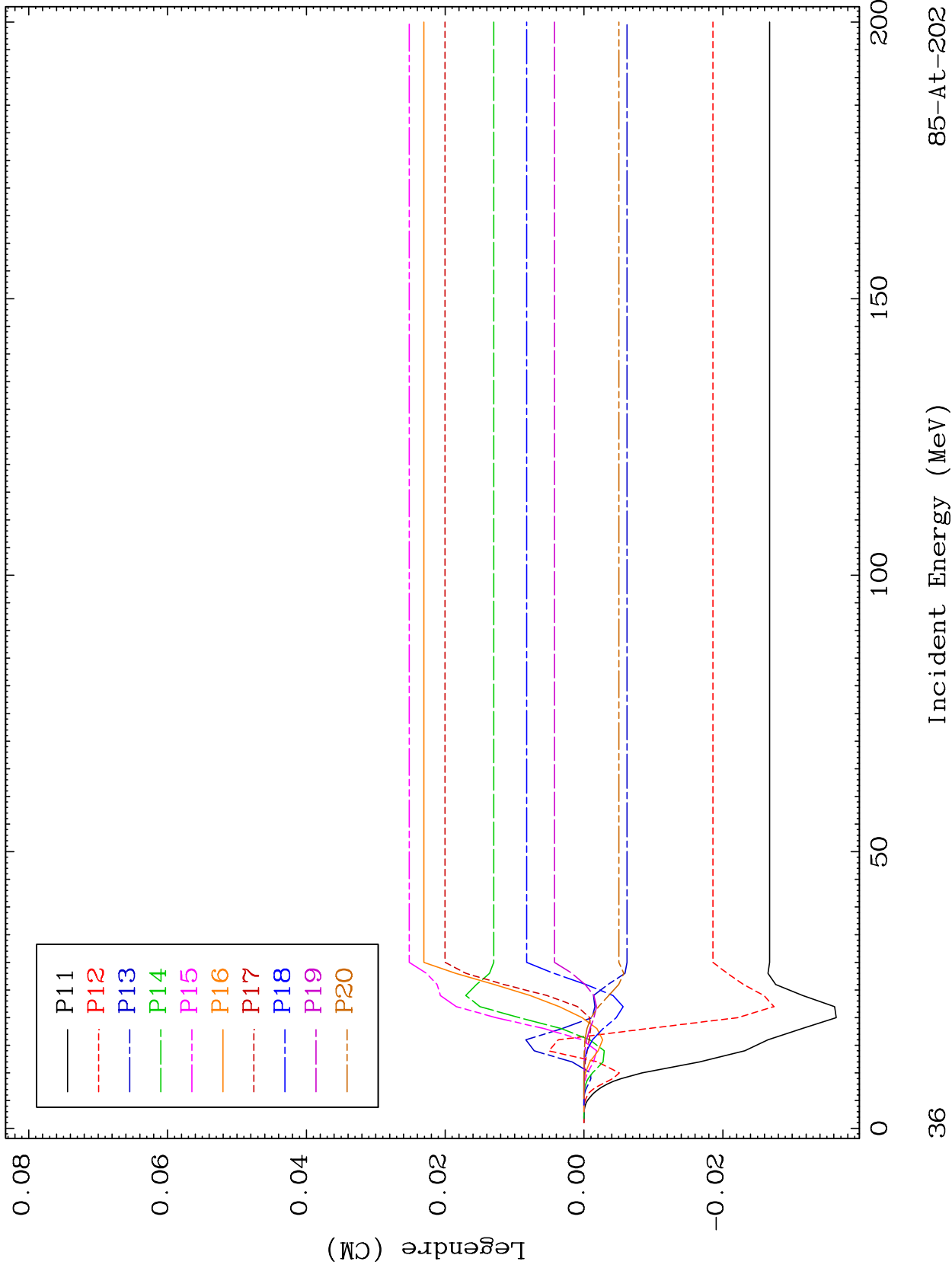


34

Incident Energy (MeV)

85-At-202

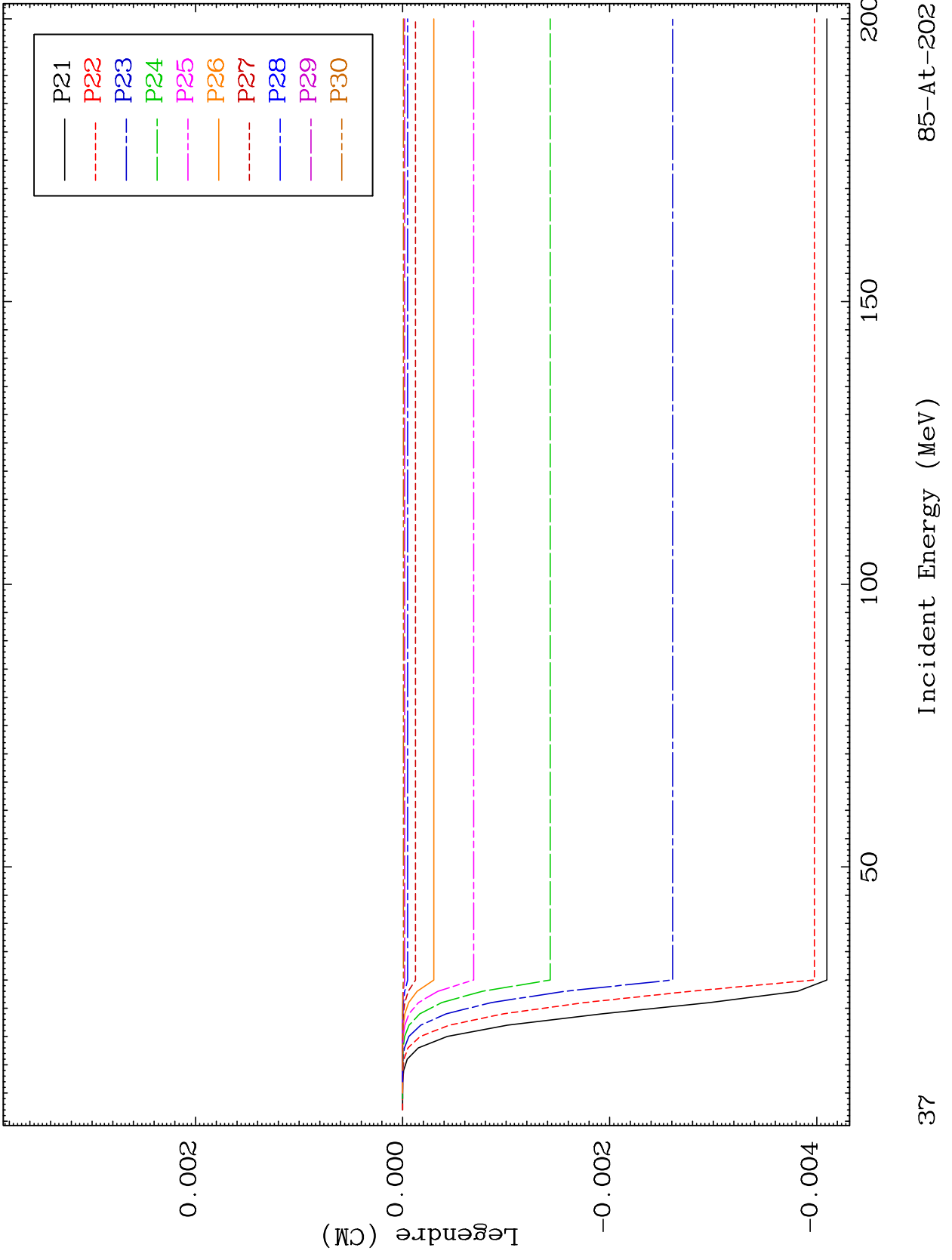




MAT 8522

MT= 55 (n,n') Level
Legendre Coefficients

85-At-202



37

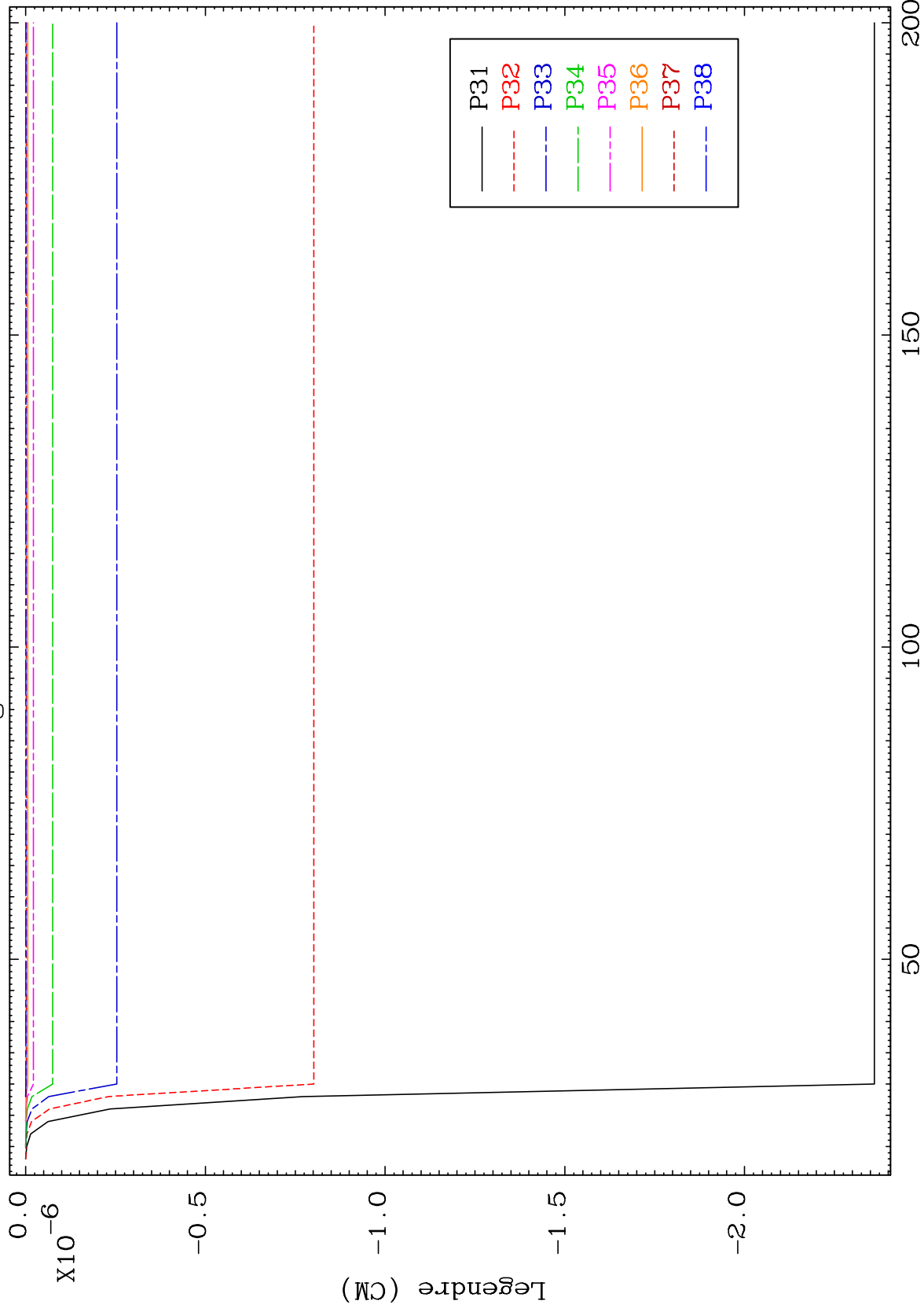
Incident Energy (MeV)

85-At-202

MAT 85222

MT= 55 (n,n') Level
Legendre Coefficients

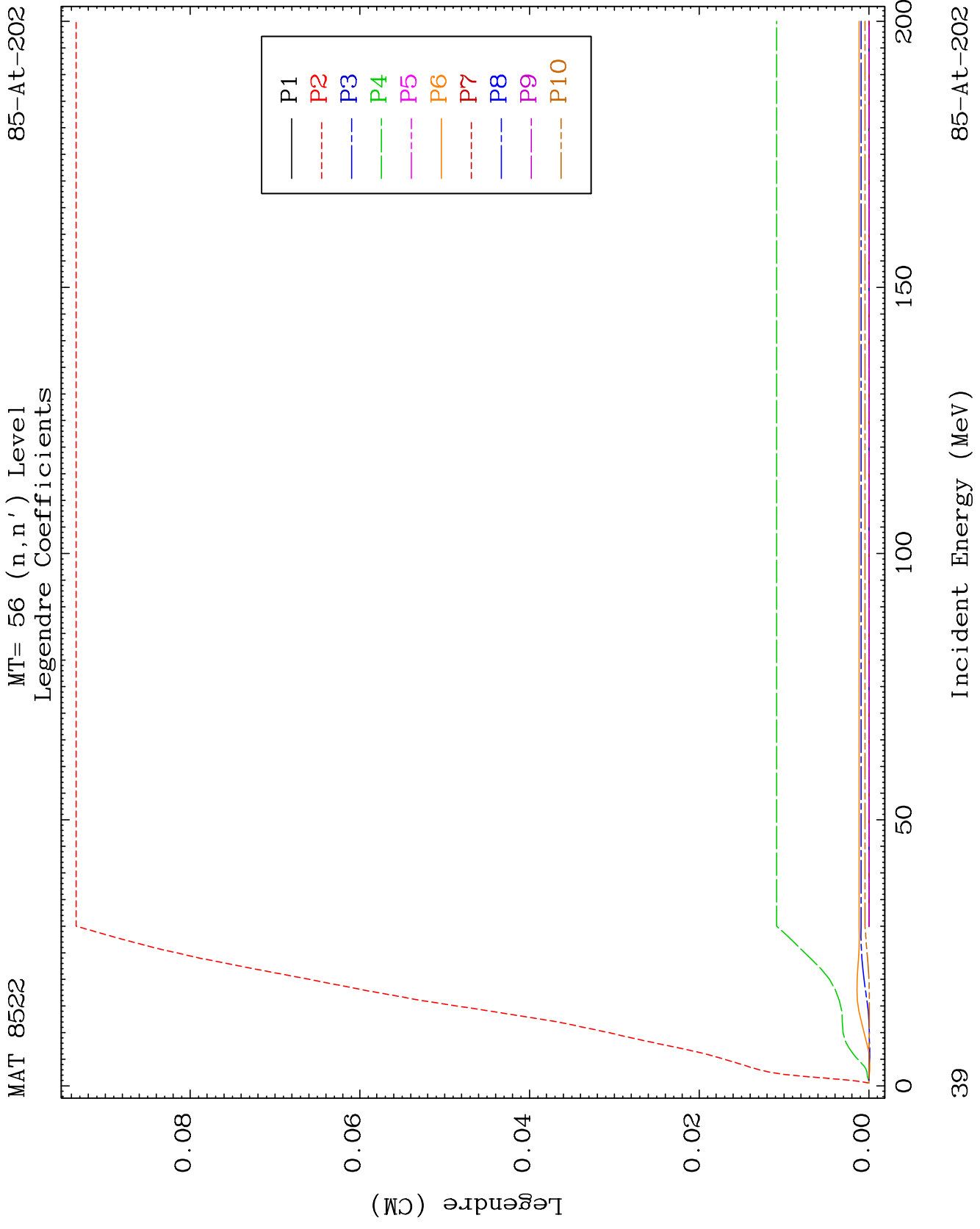
85-At-202



38

Incident Energy (MeV)

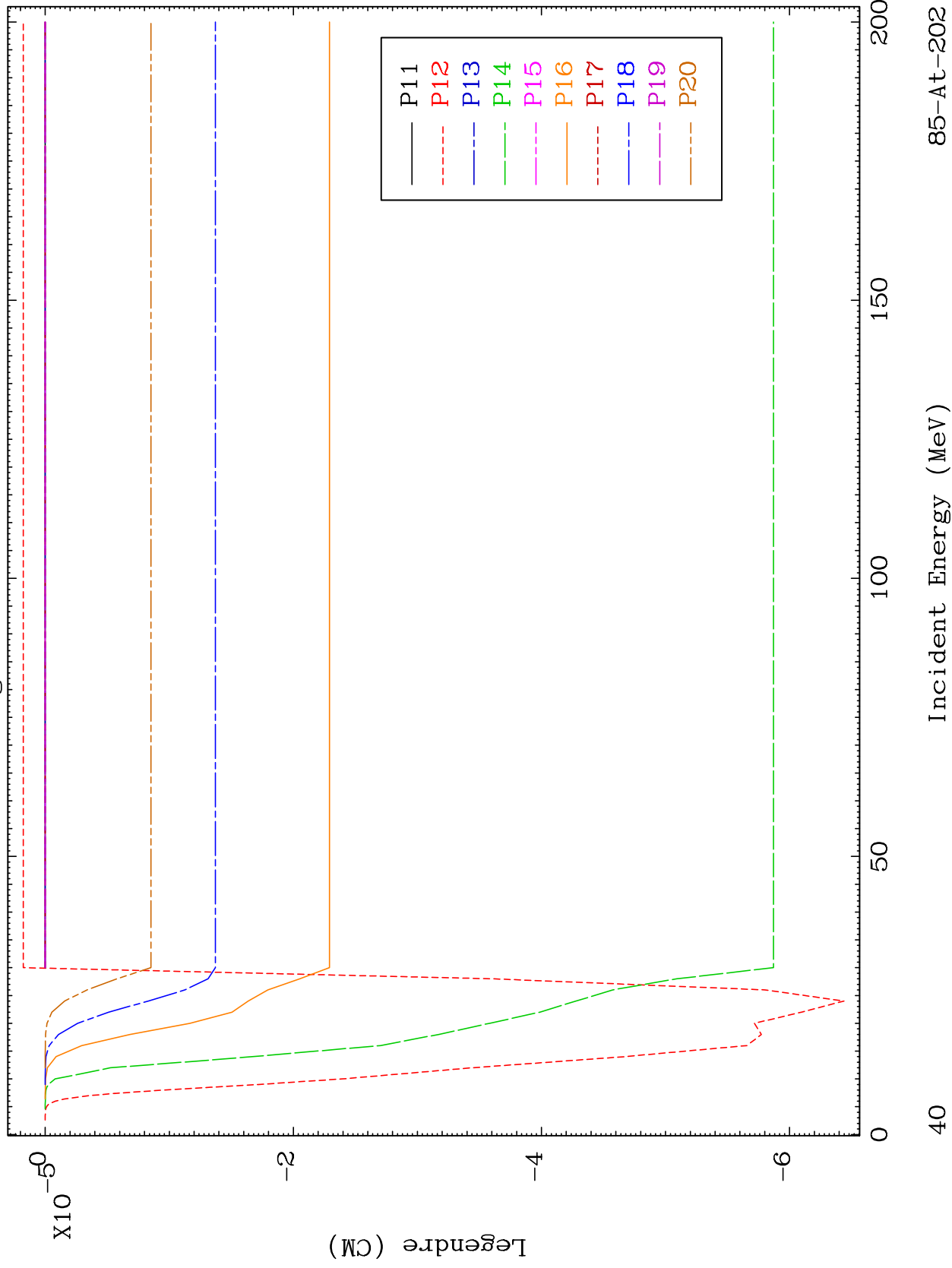
85-At-202



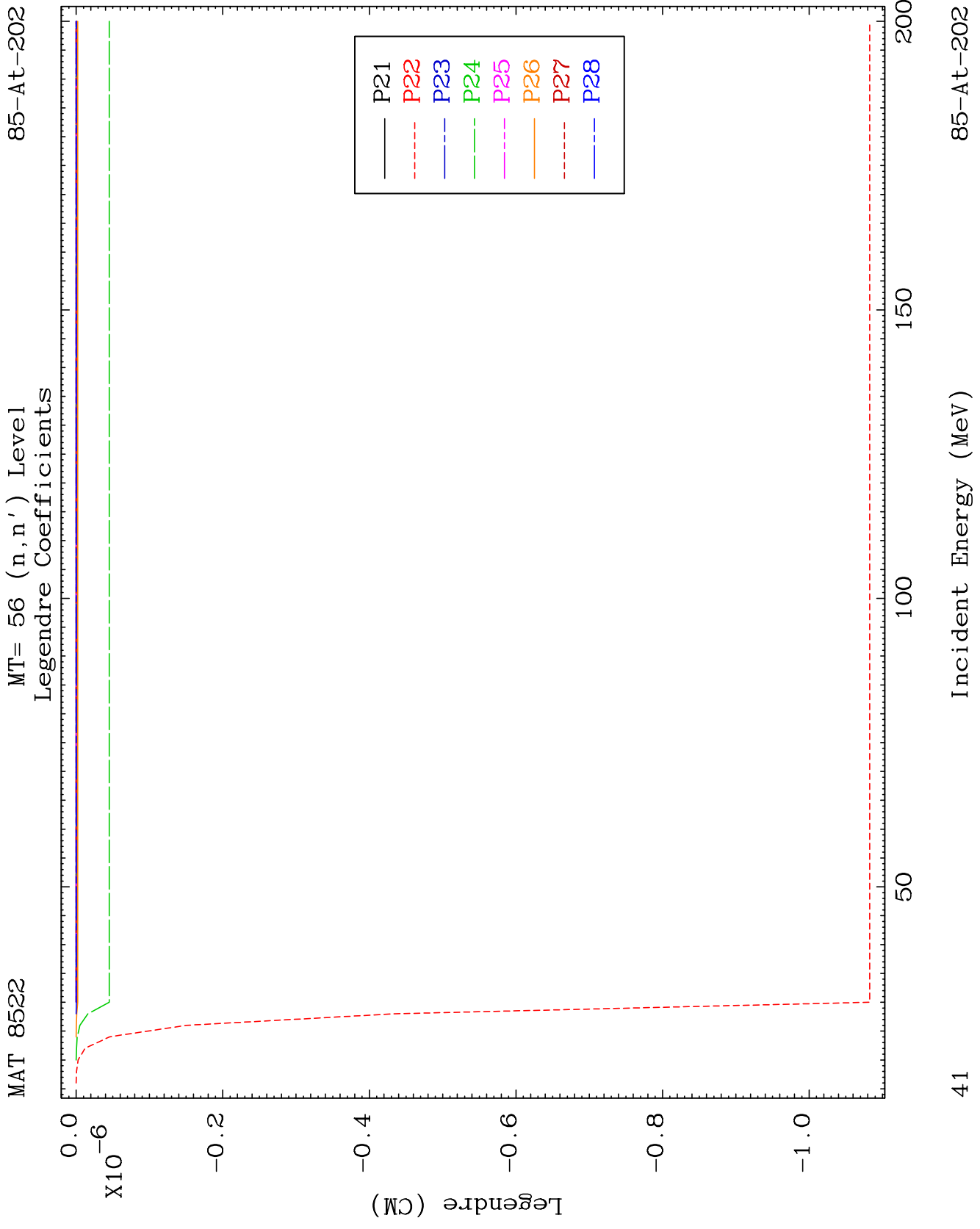
MAT 85222

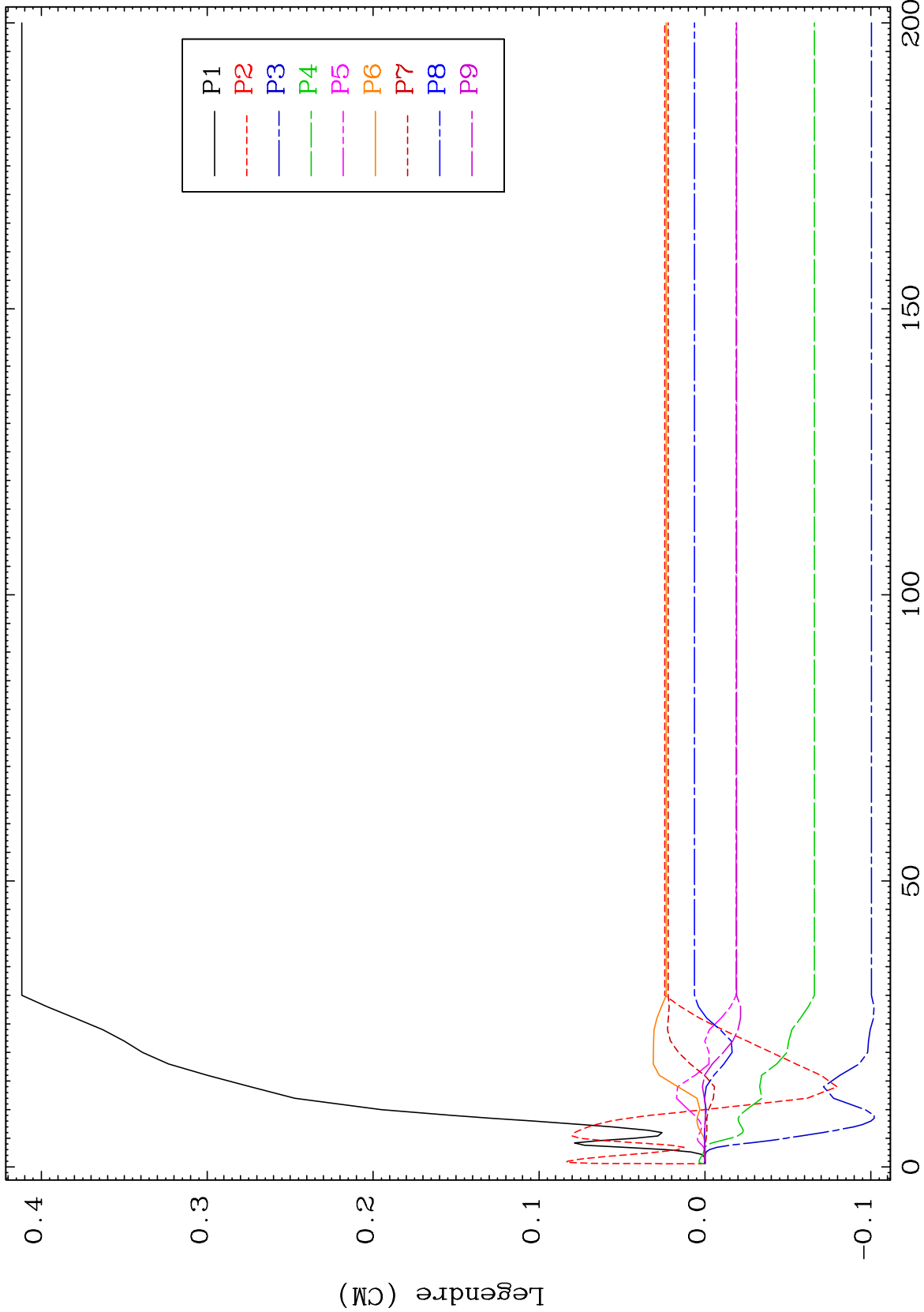
MT= 56 (n,n') Level
Legendre Coefficients

85-At-202



85-At-202

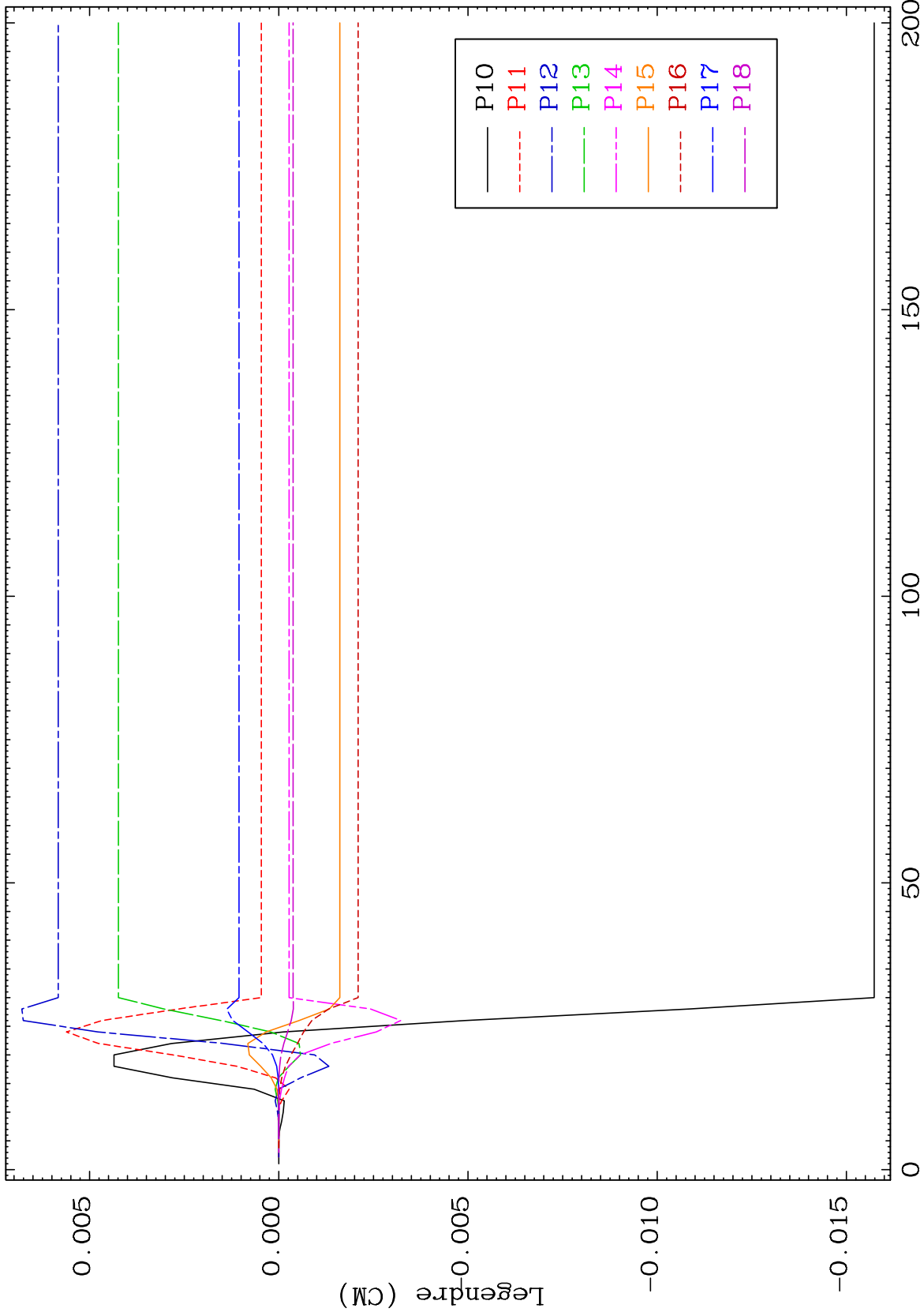




MAT 8522

MT= 57 (n,n') Level
Legendre Coefficients

85-At-202



43

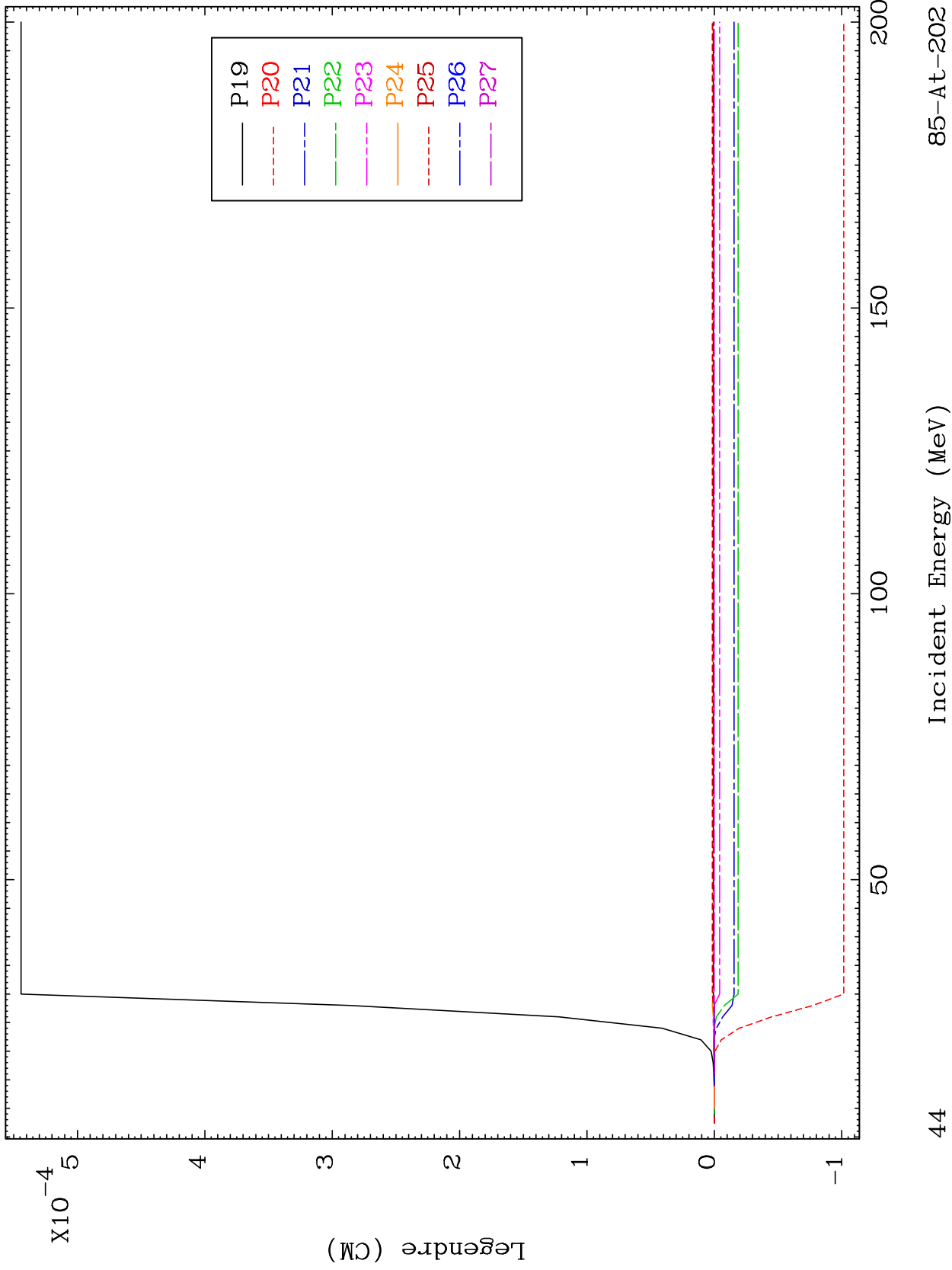
Incident Energy (MeV)

85-At-202

MAT 8522

MT= 57 (n,n') Level
Legendre Coefficients

85-At-202



44

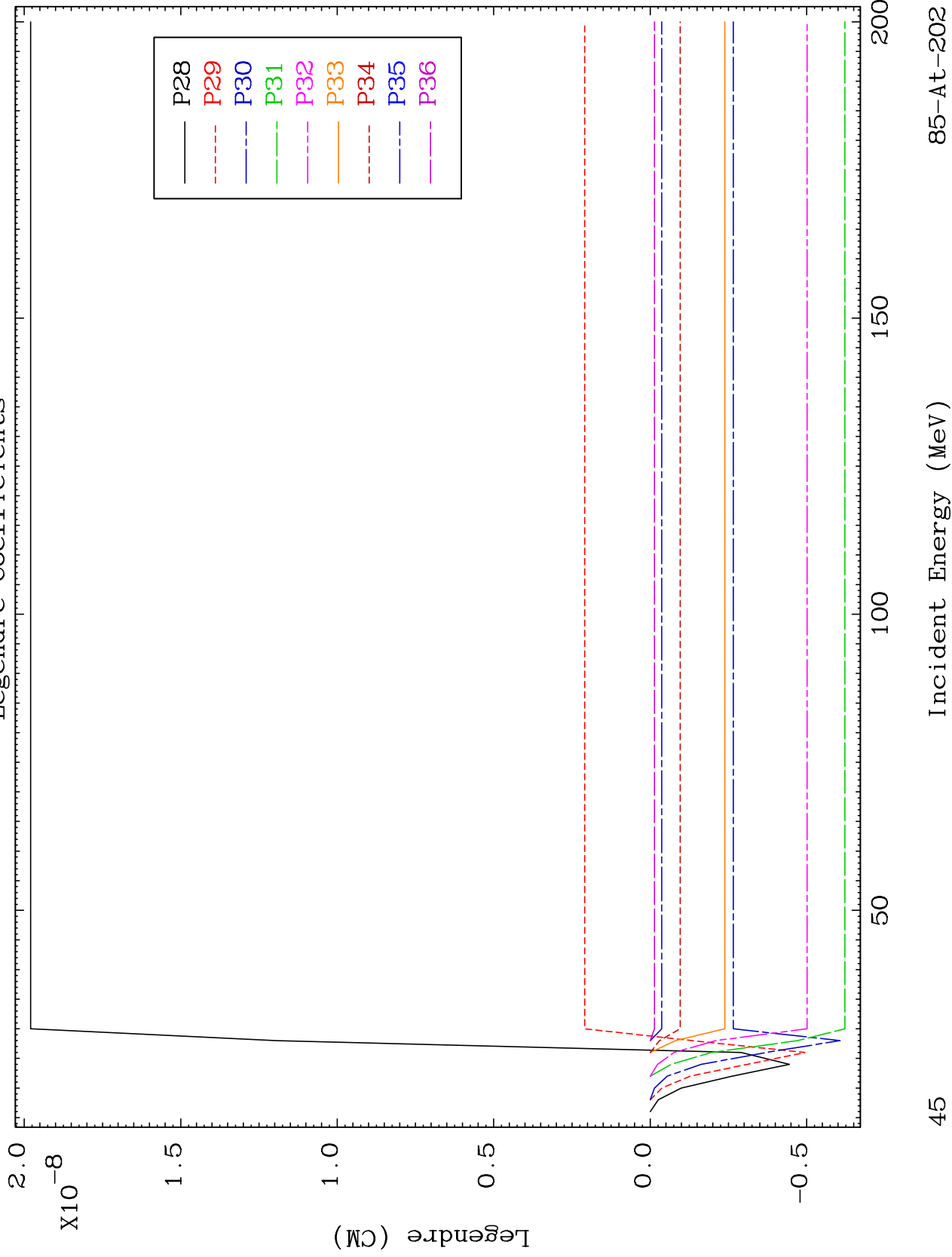
Incident Energy (MeV)

85-At-202

MAT 8522

MT= 57 (n,n') Level
Legendre Coefficients

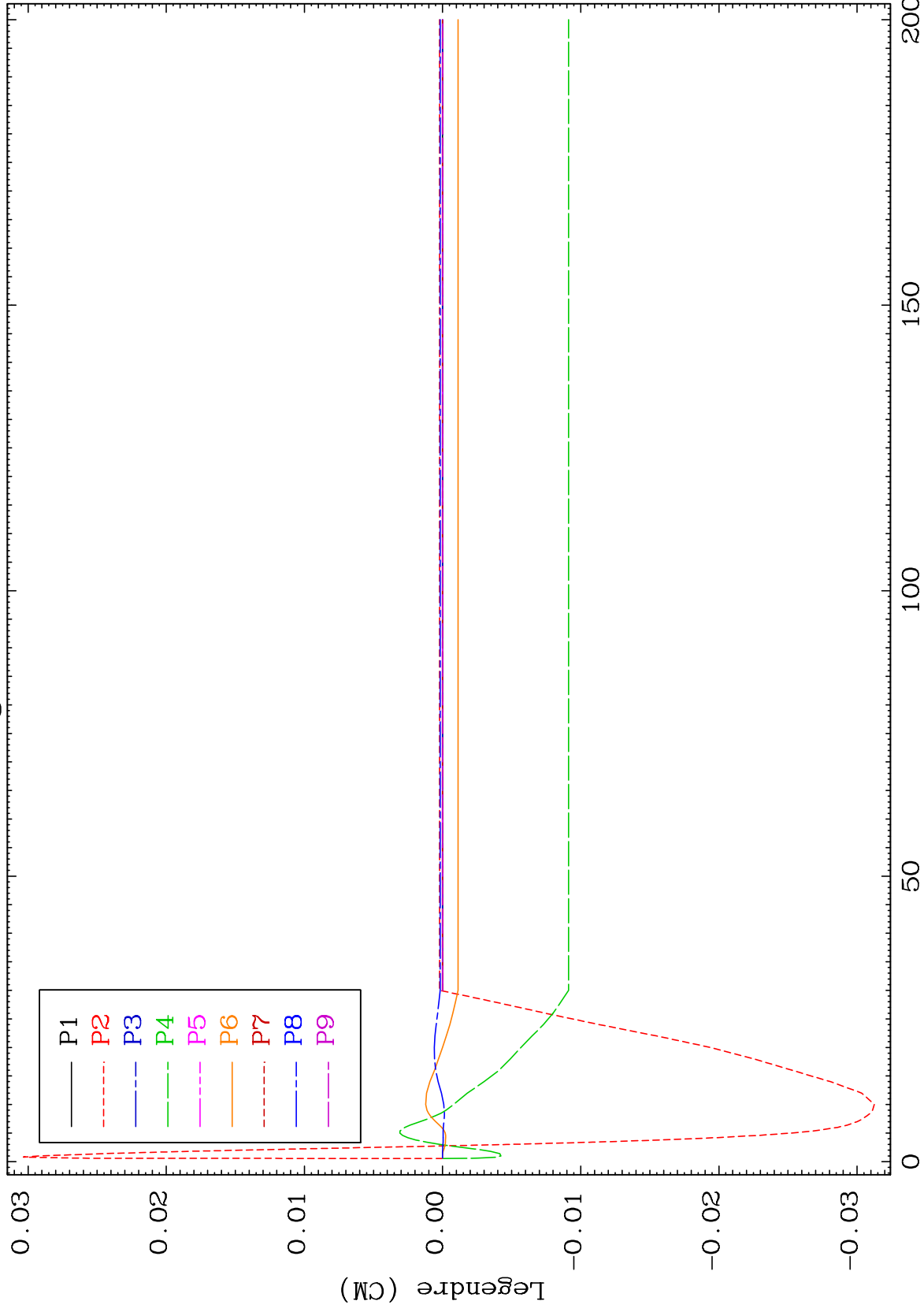
85-At-202



MAT 8522

MT= 58 (n,n') Level
Legendre Coefficients

85-At-202



46

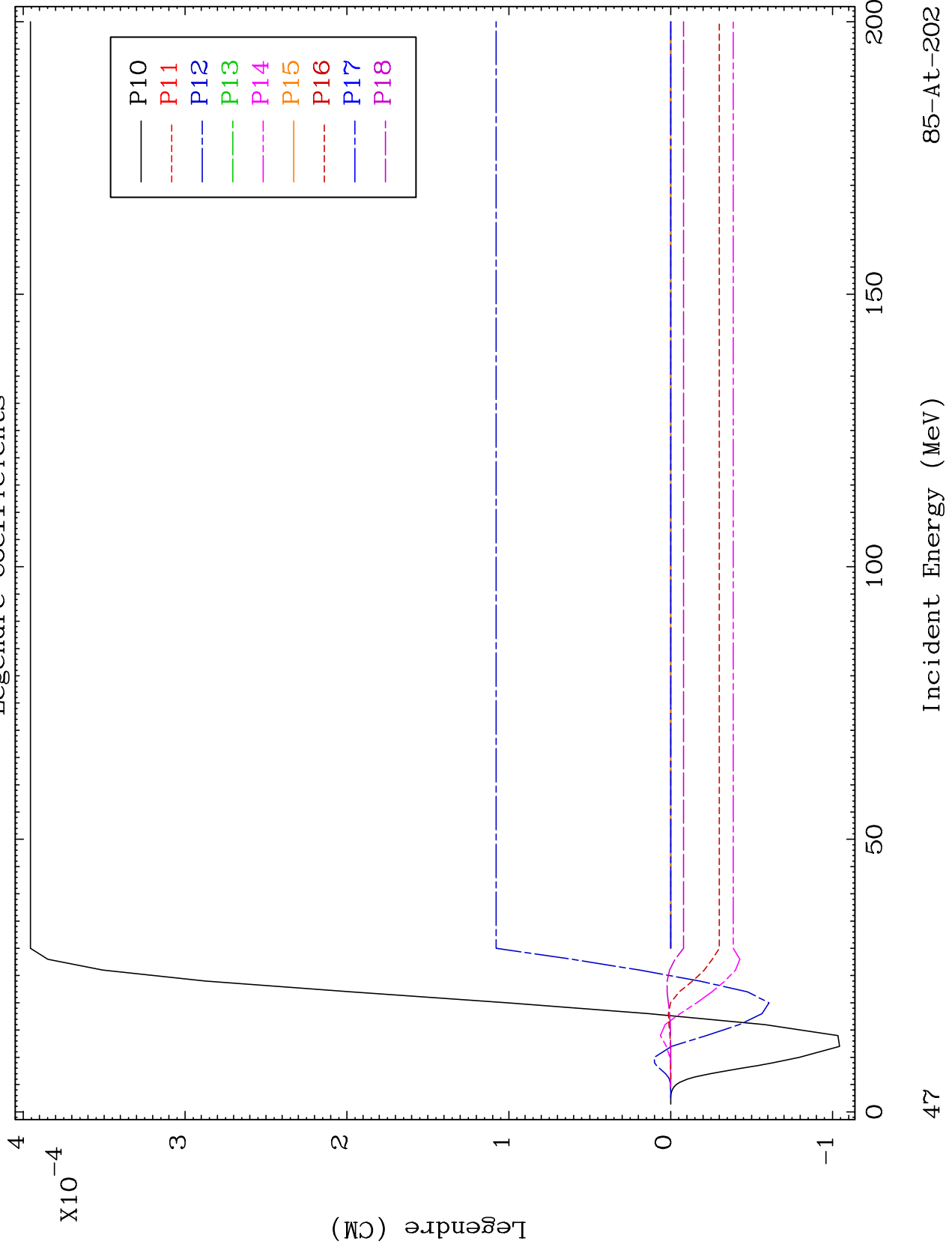
Incident Energy (MeV)

85-At-202

MAT 8522

MT= 58 (n,n') Level
Legendre Coefficients

85-At-202



47

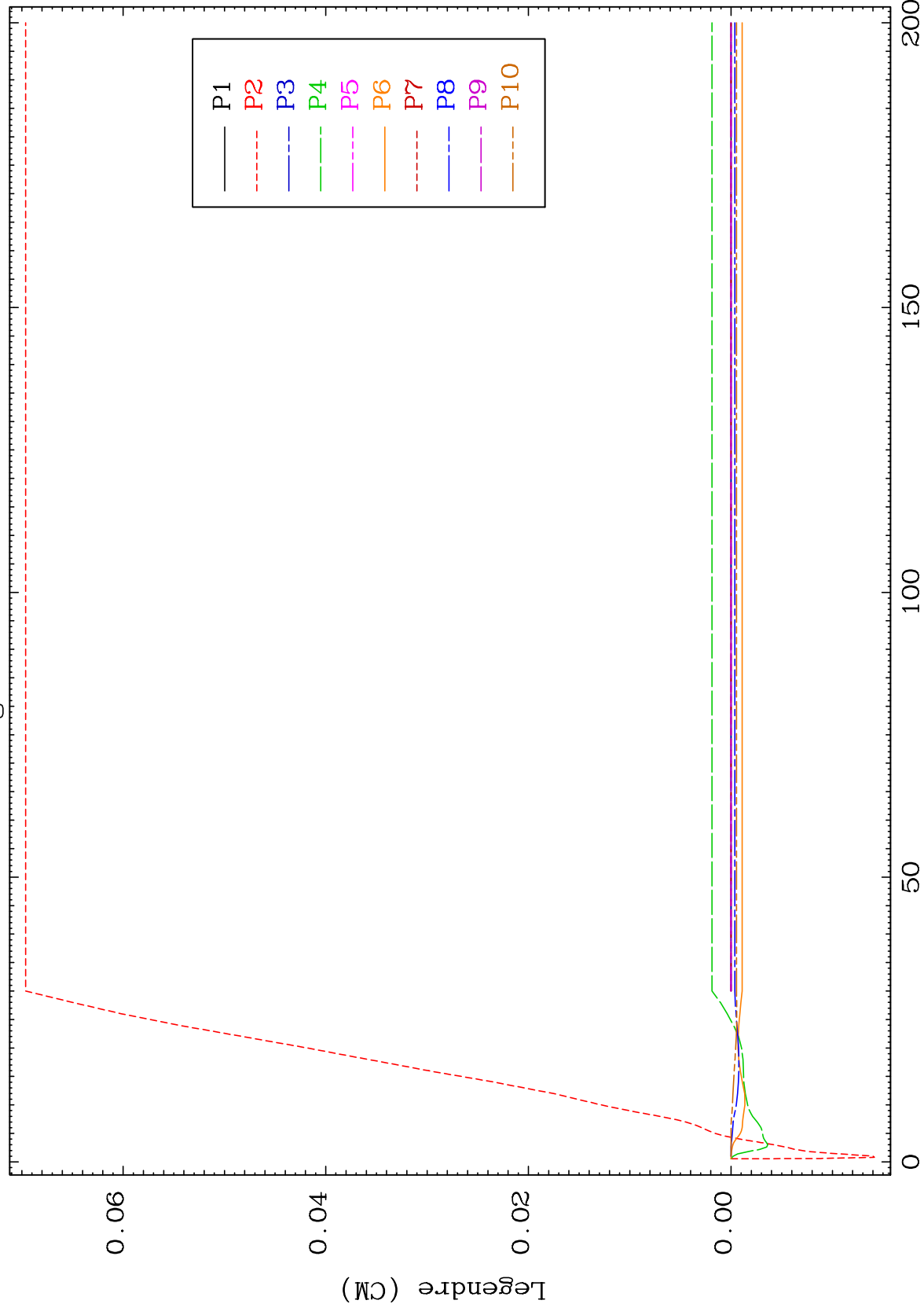
Incident Energy (MeV)

85-At-202

MAT 85222

MT= 59 (n,n') Level
Legendre Coefficients

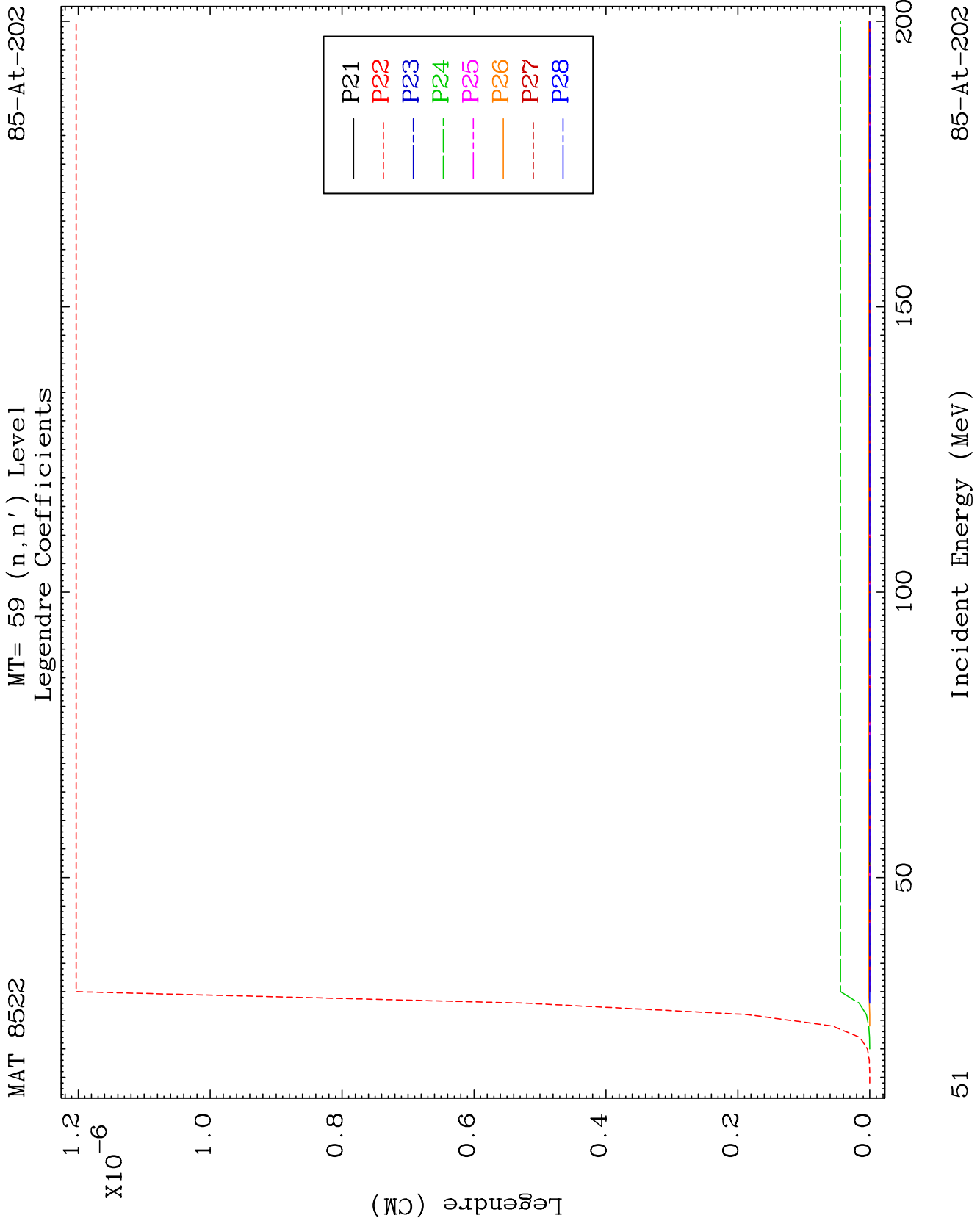
85-At-202

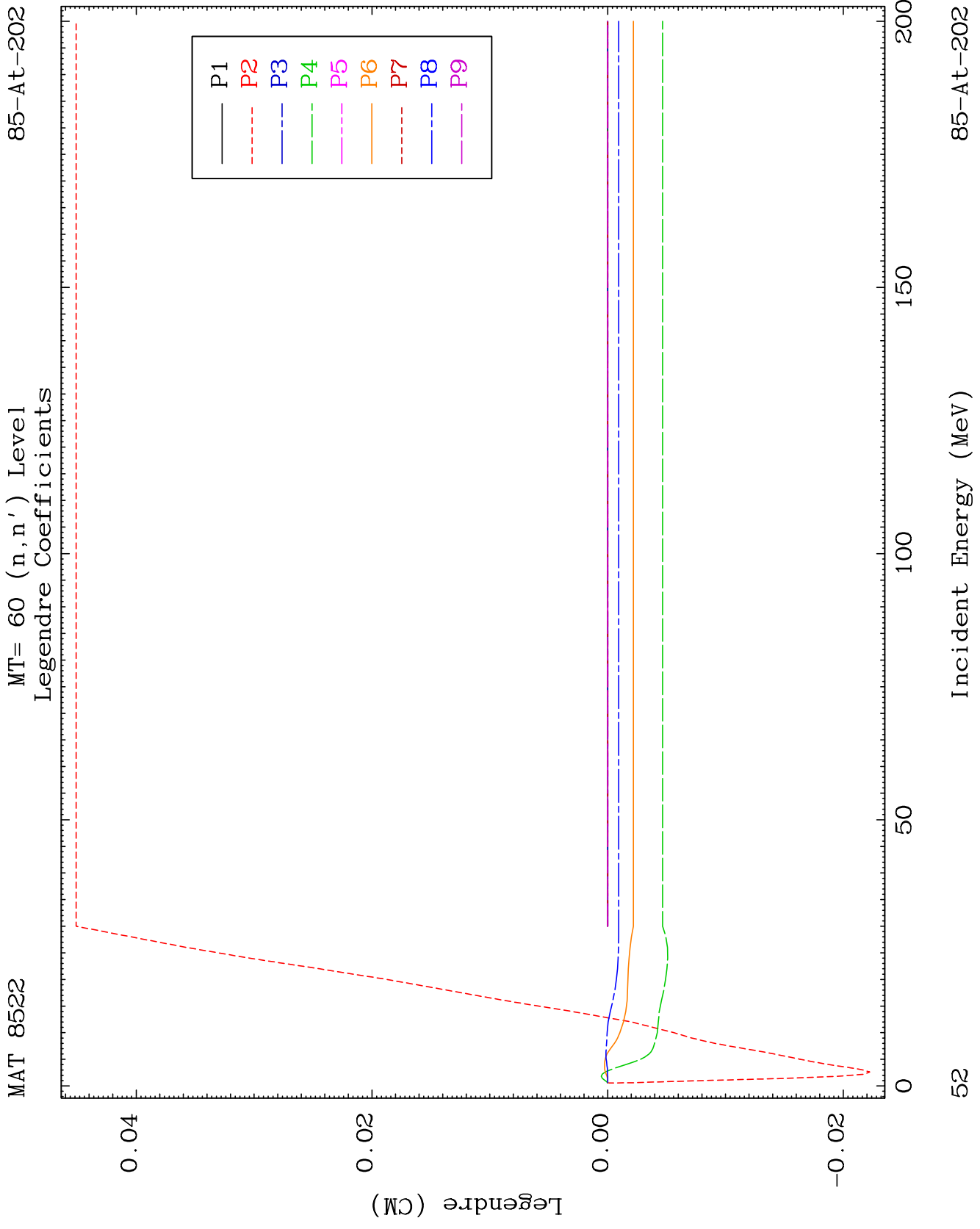


85-At-202

Incident Energy (MeV)

49

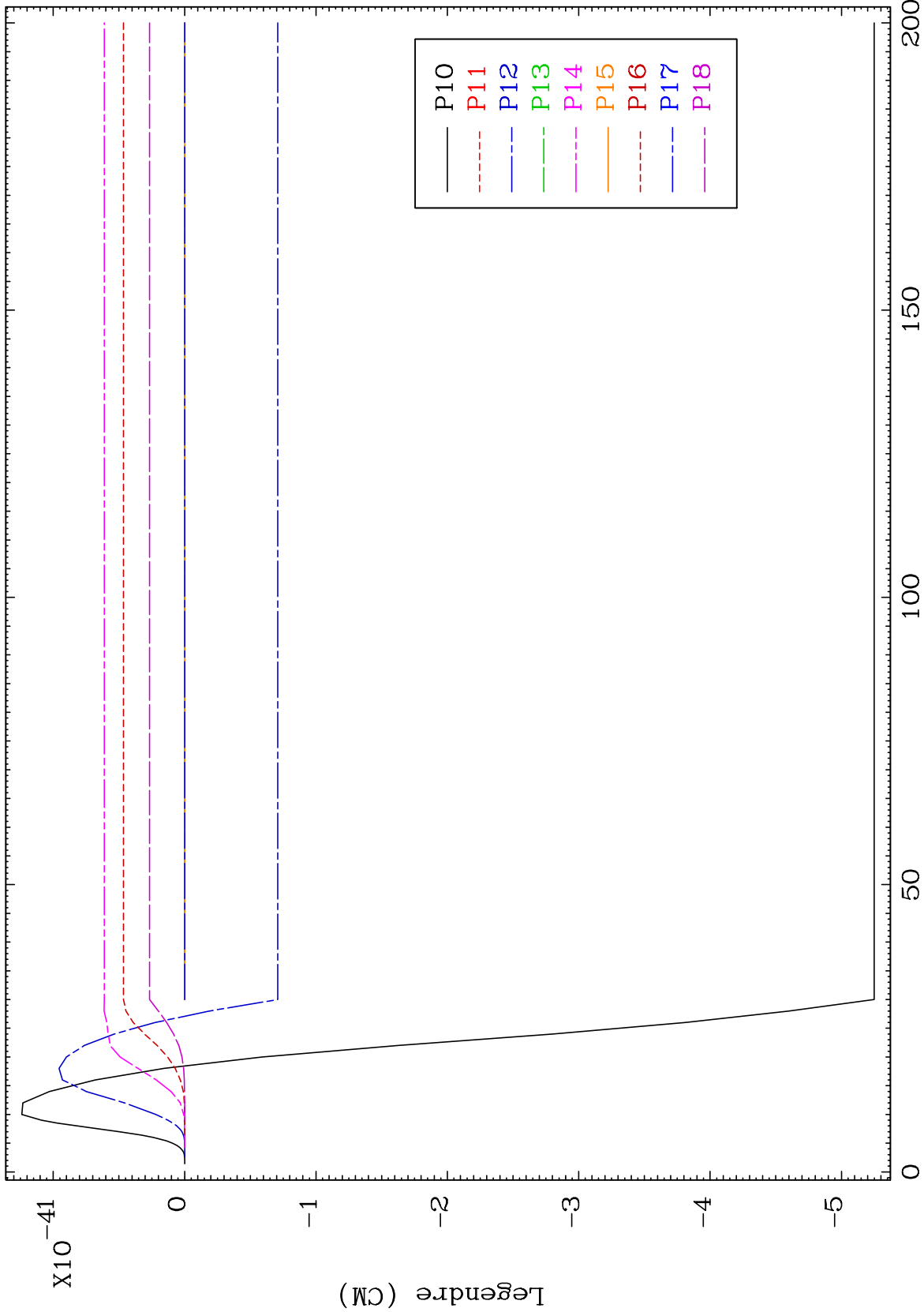




MAT 8522

MT= 60 (n,n') Level
Legendre Coefficients

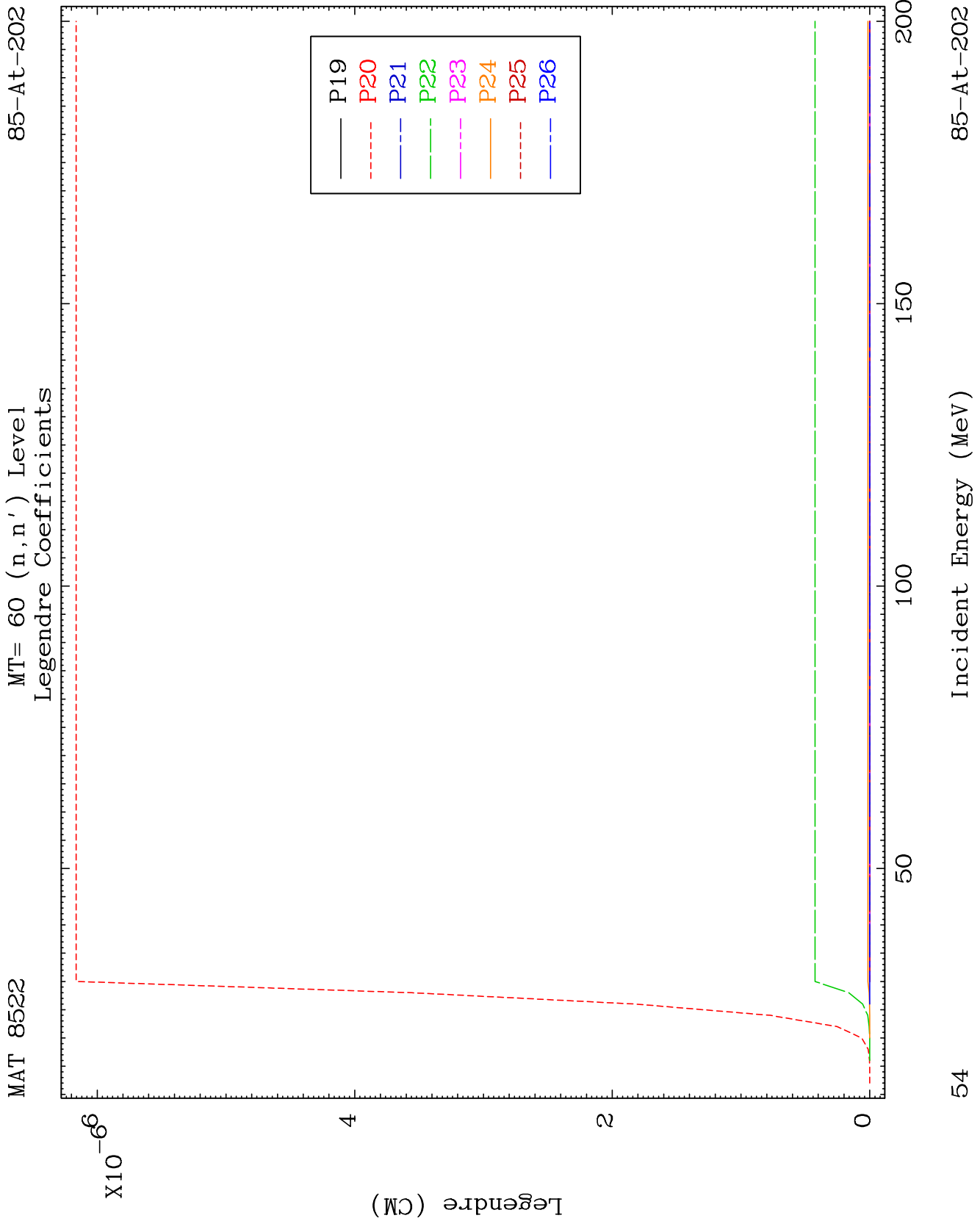
85-At-202

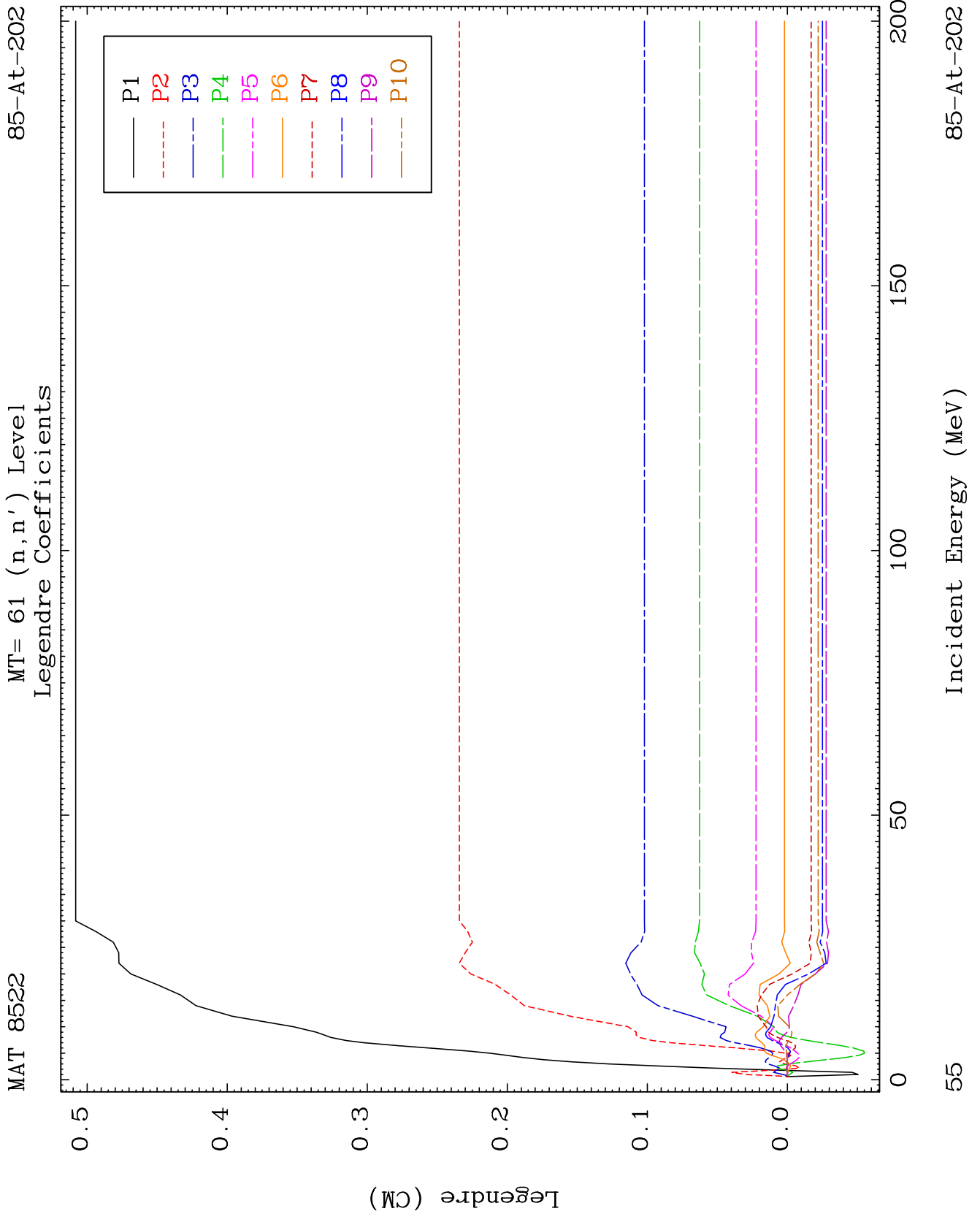


53

Incident Energy (MeV)

85-At-202

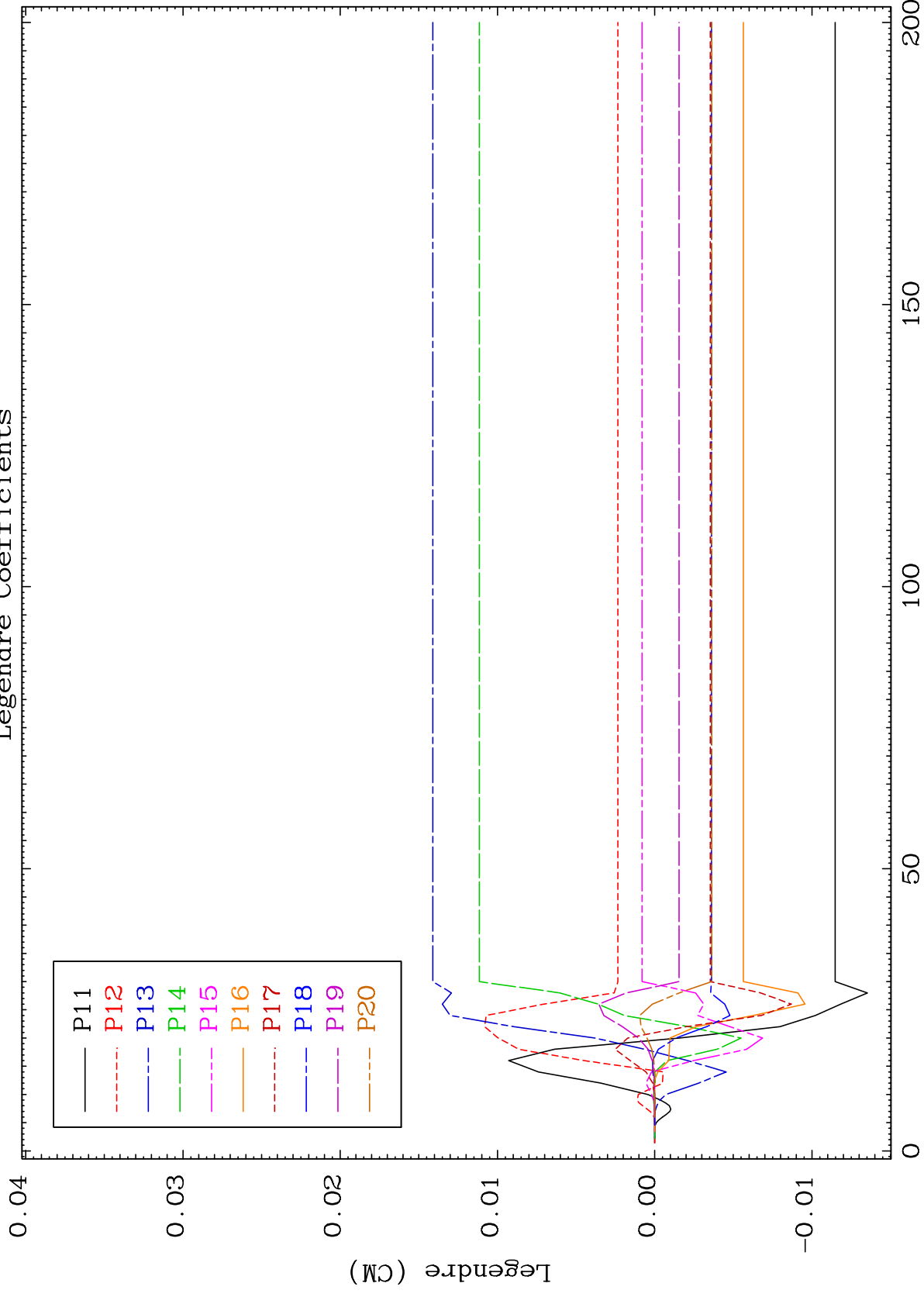




MAT 8522

MT= 61 (n,n') Level
Legendre Coefficients

85-At-202



56

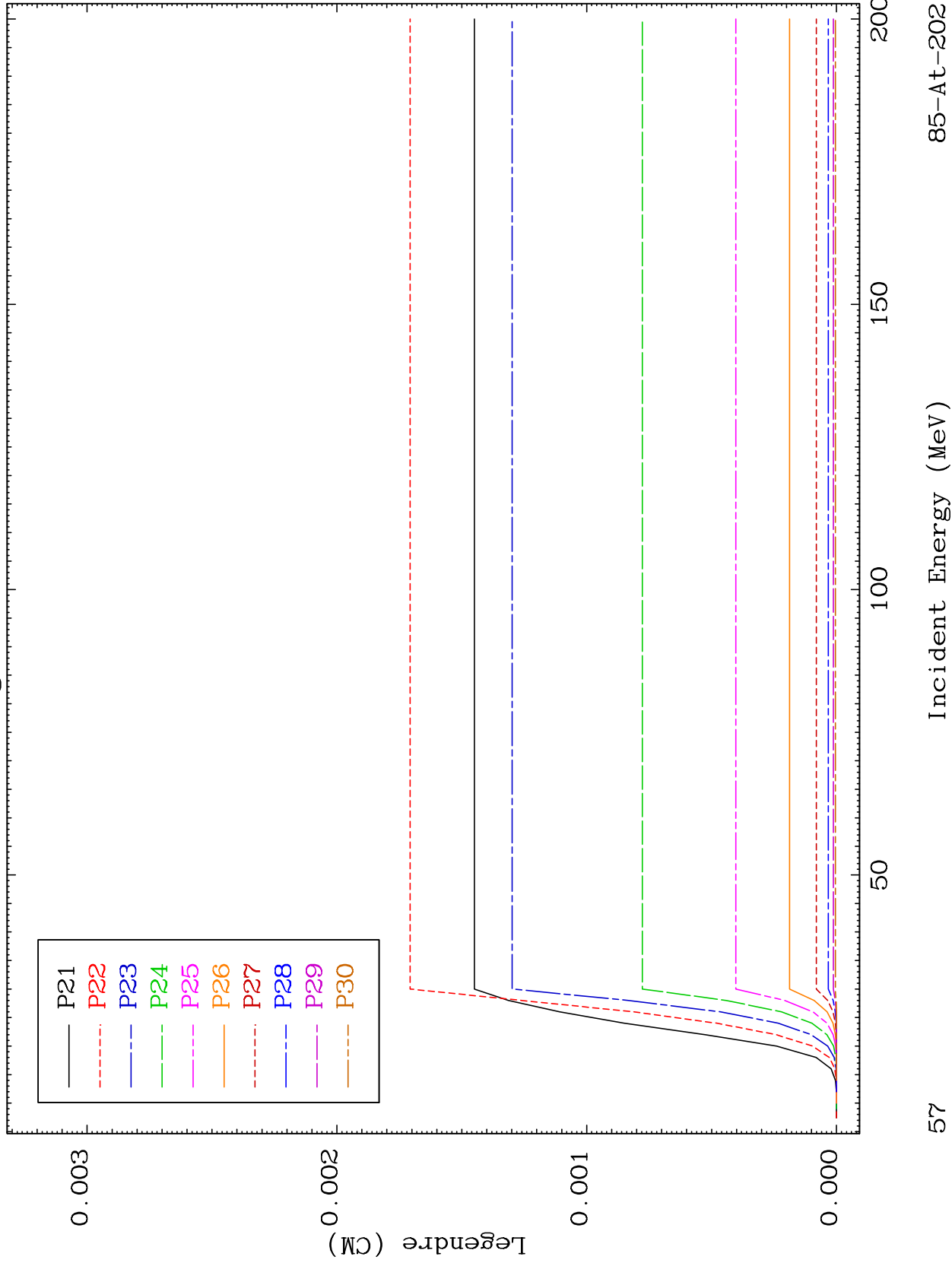
Incident Energy (MeV)

85-At-202

MAT 85222

MT= 61 (n,n') Level
Legendre Coefficients

85-At-202



57

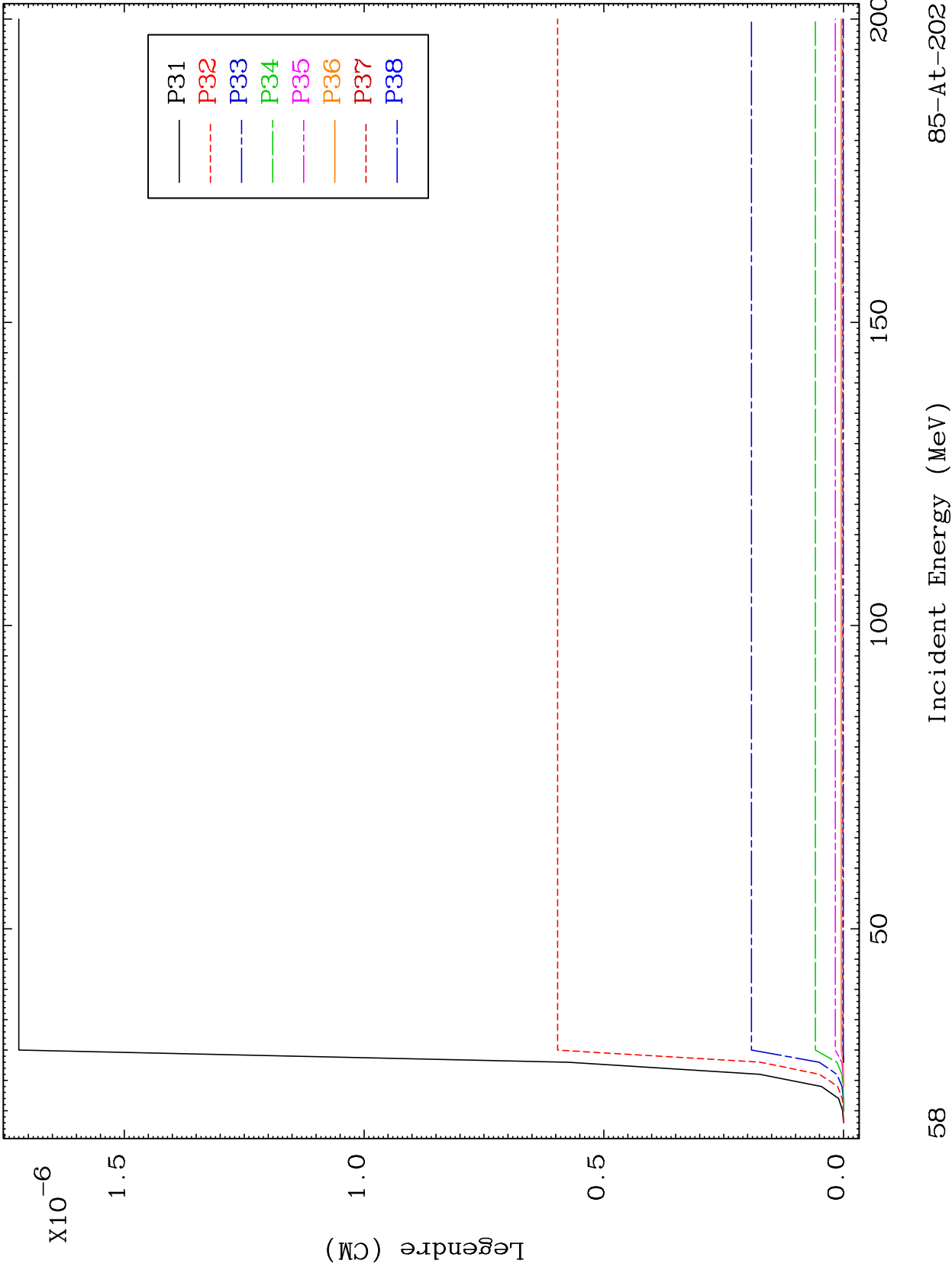
Incident Energy (MeV)

85-At-202

MAT 8522

MT= 61 (n,n') Level
Legendre Coefficients

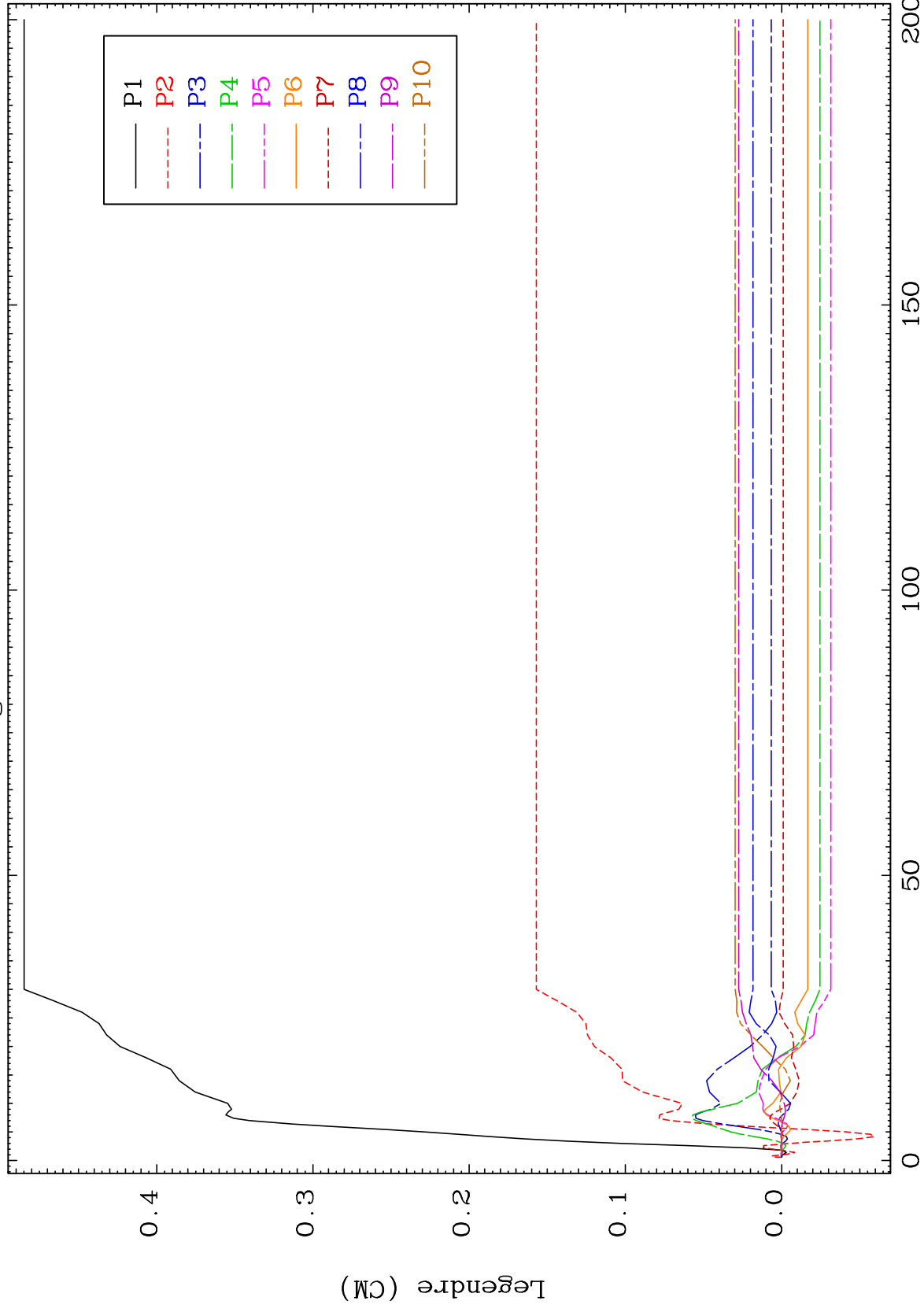
85-At-202



58

Incident Energy (MeV)

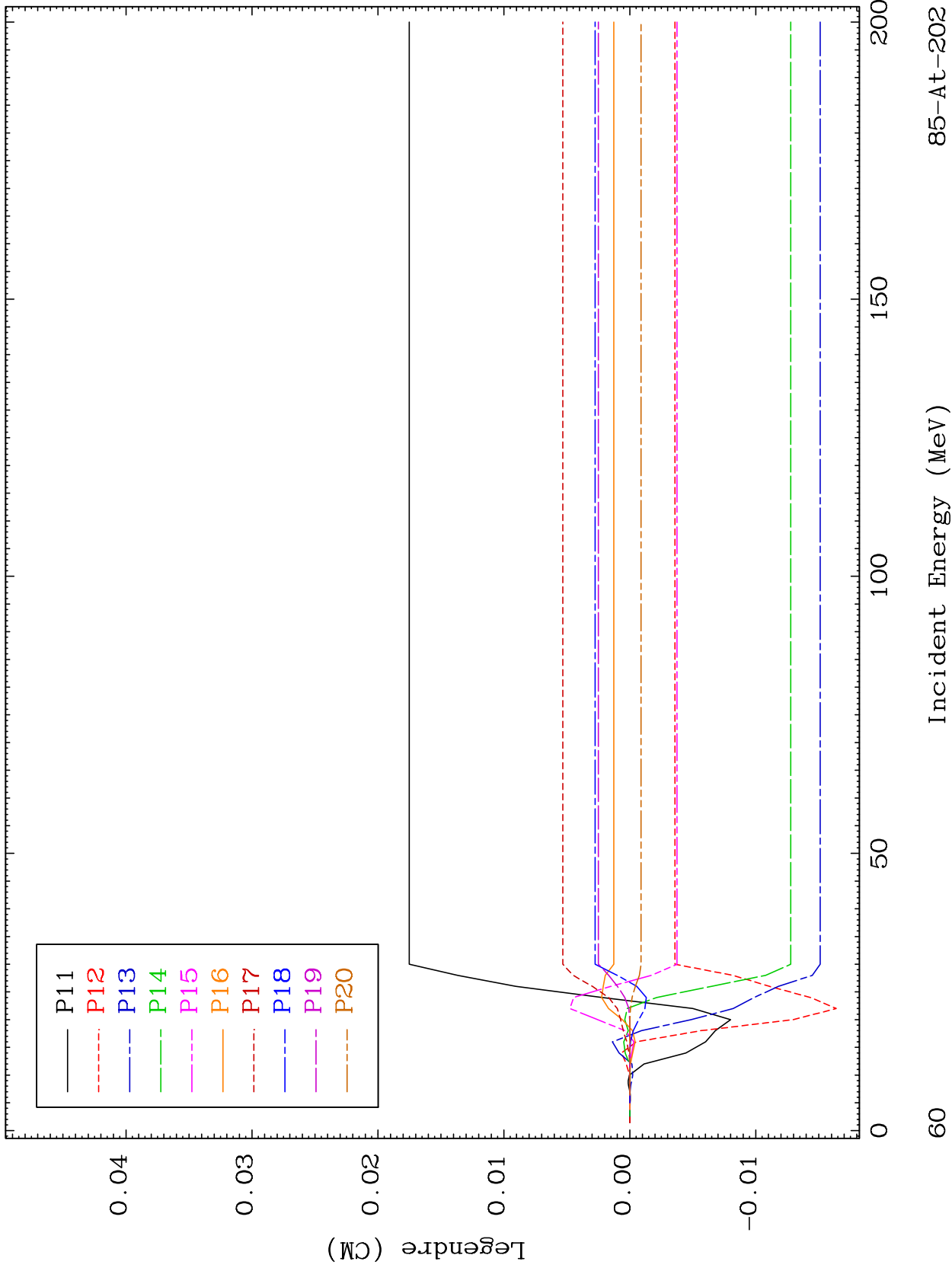
85-At-202



MAT 8522

MT= 62 (n,n') Level
Legendre Coefficients

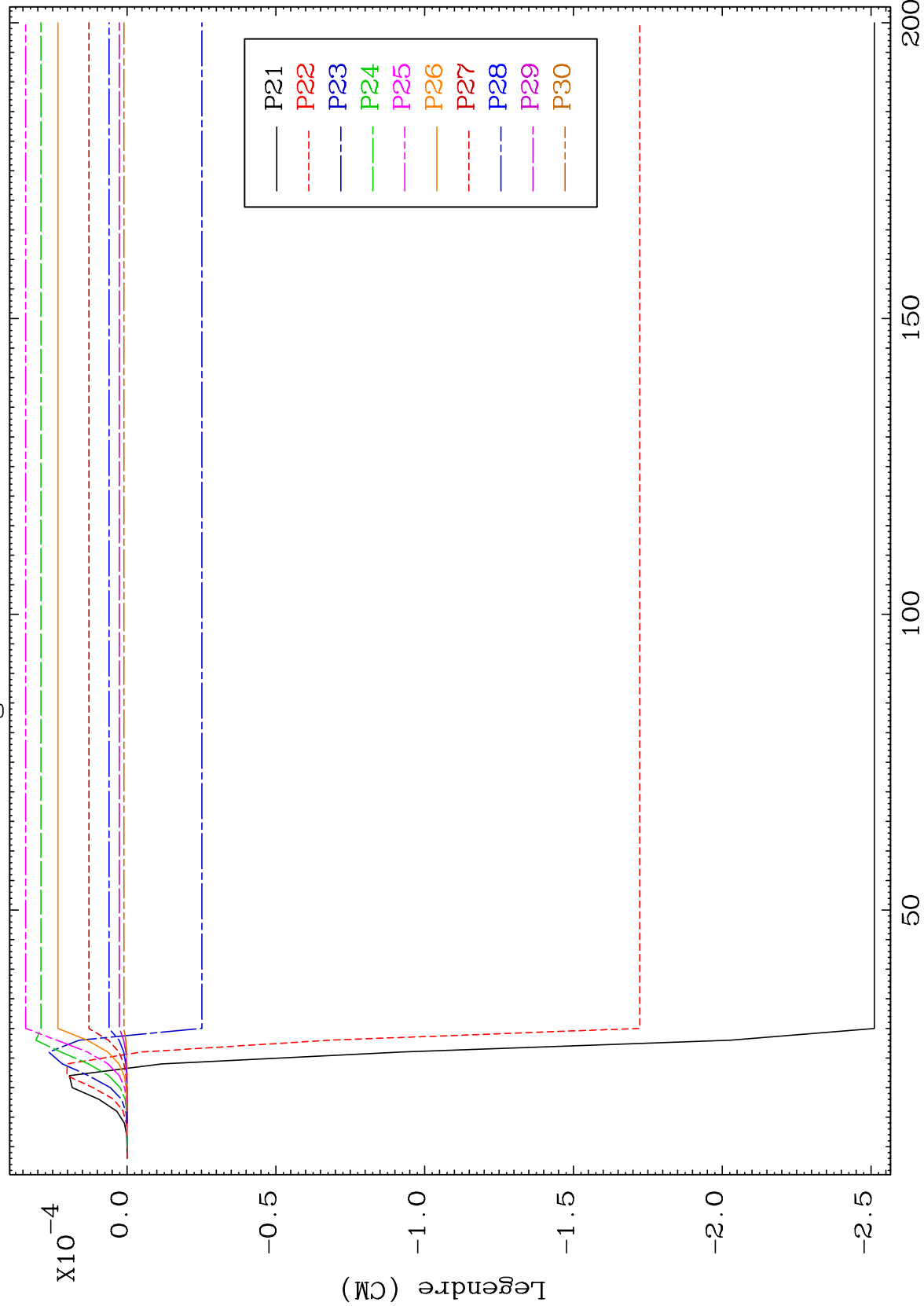
85-At-202



85-At-202

Incident Energy (MeV)

60



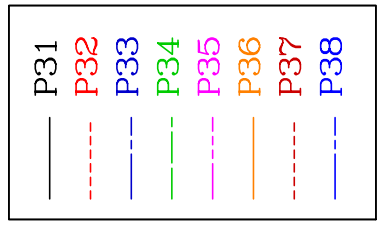
MAT 8522

MT= 62 (n,n') Level
Legendre Coefficients

85-At-202

$\times 10^{-7}$

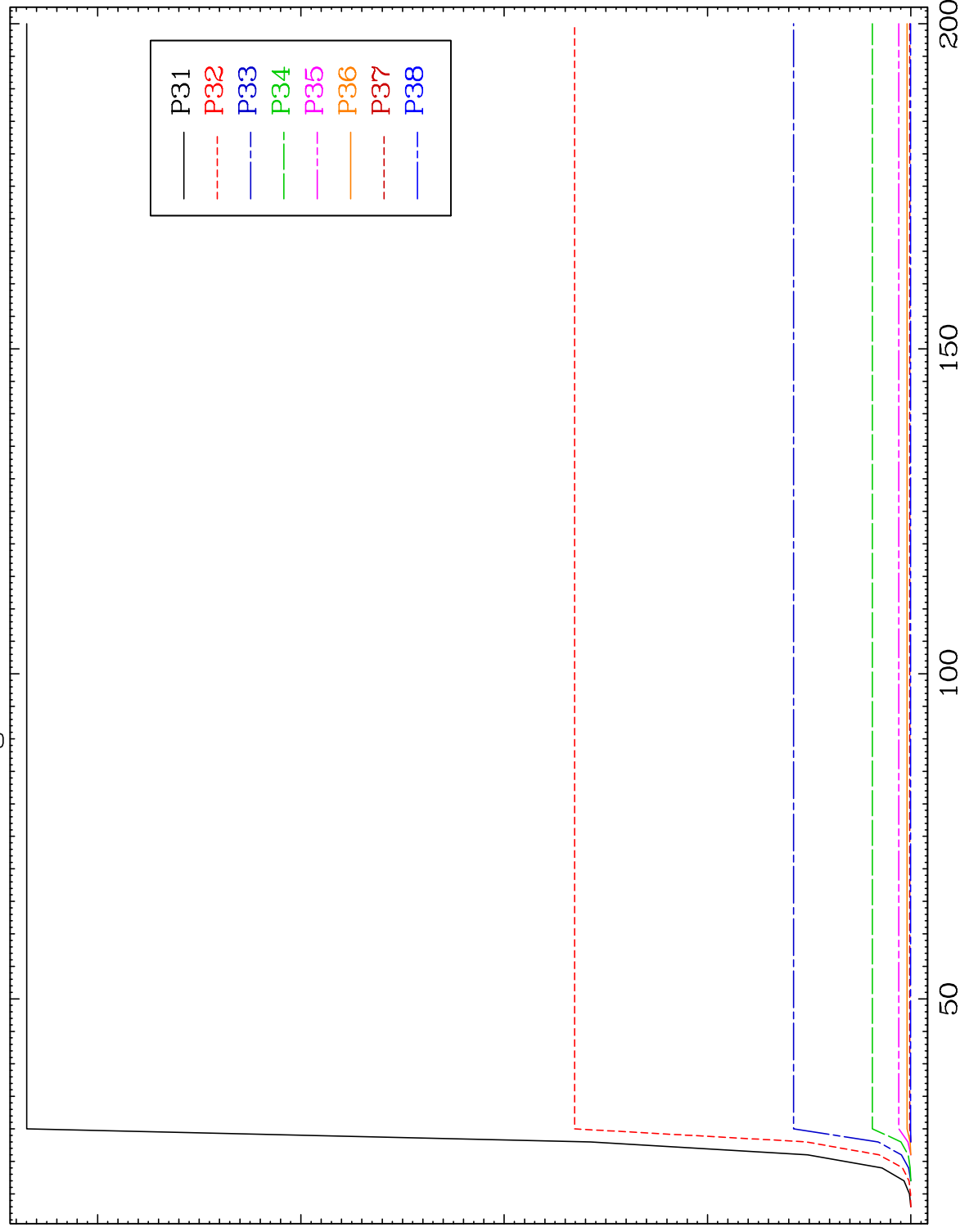
Legendre (CM)



62

Incident Energy (MeV)

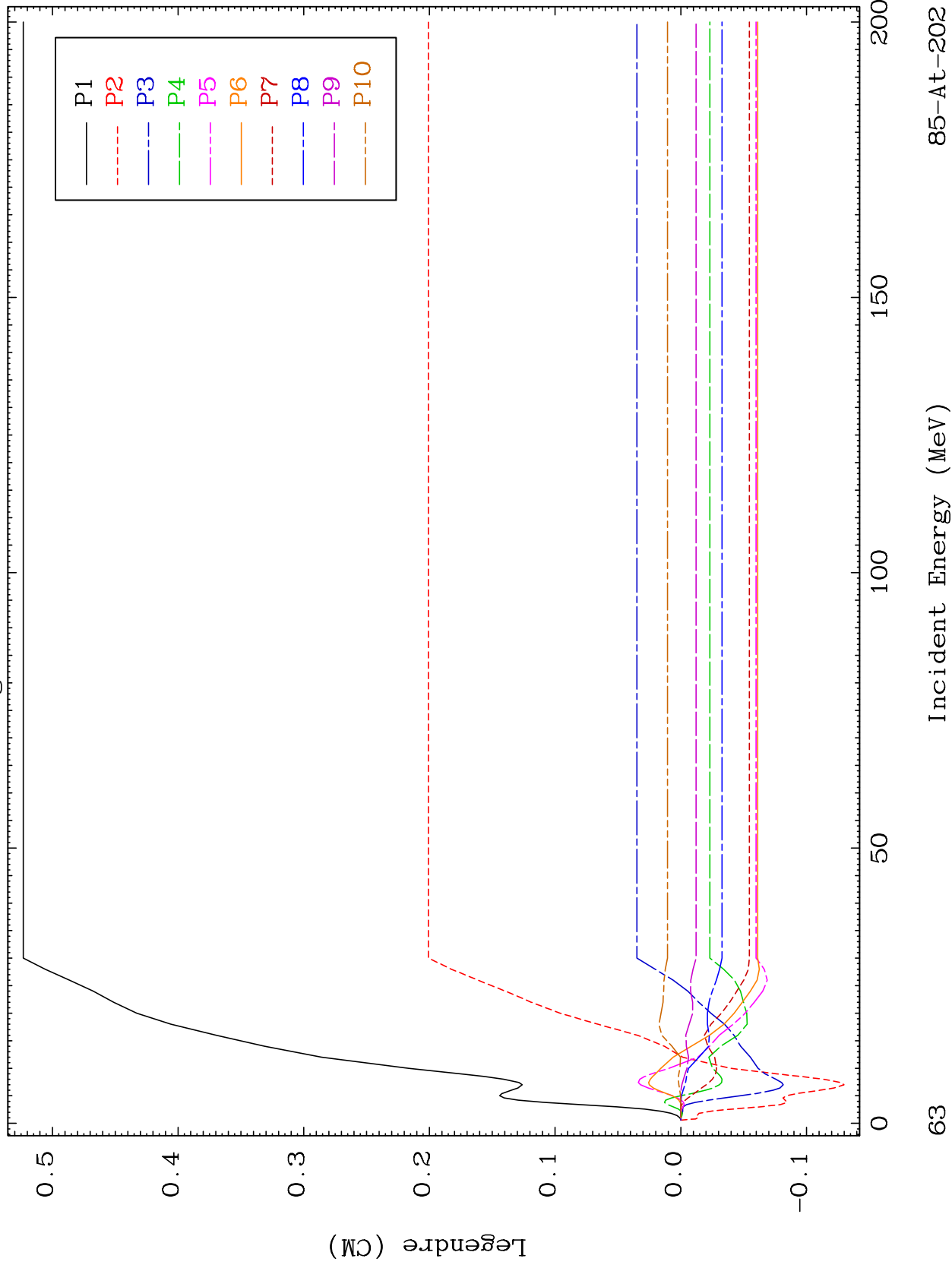
85-At-202



MAT 8522

MT= 63 (n,n') Level
Legendre Coefficients

85-At-202



85-At-202

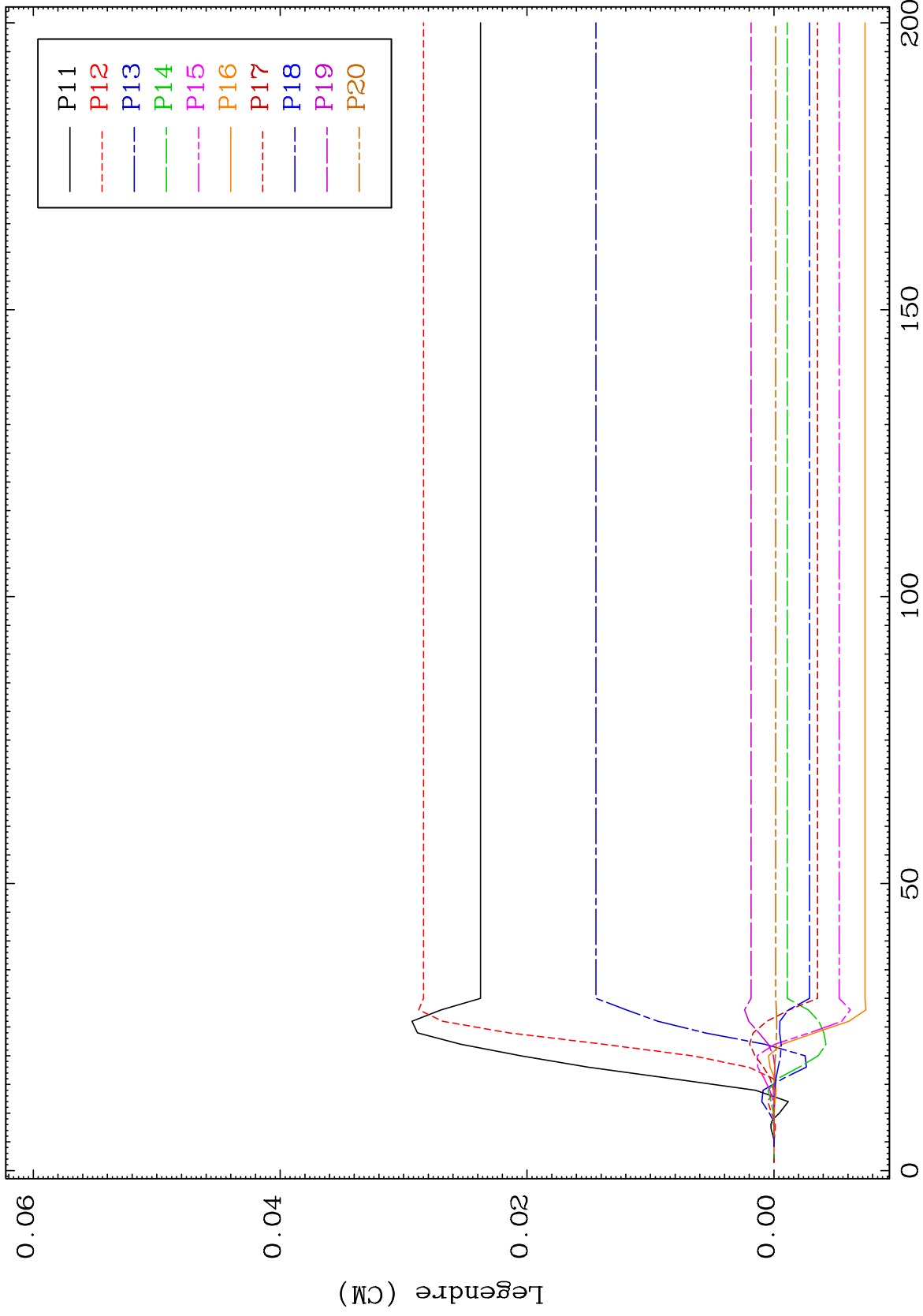
Incident Energy (MeV)

63

MAT 8522

MT= 63 (n,n') Level
Legendre Coefficients

85-At-202



64

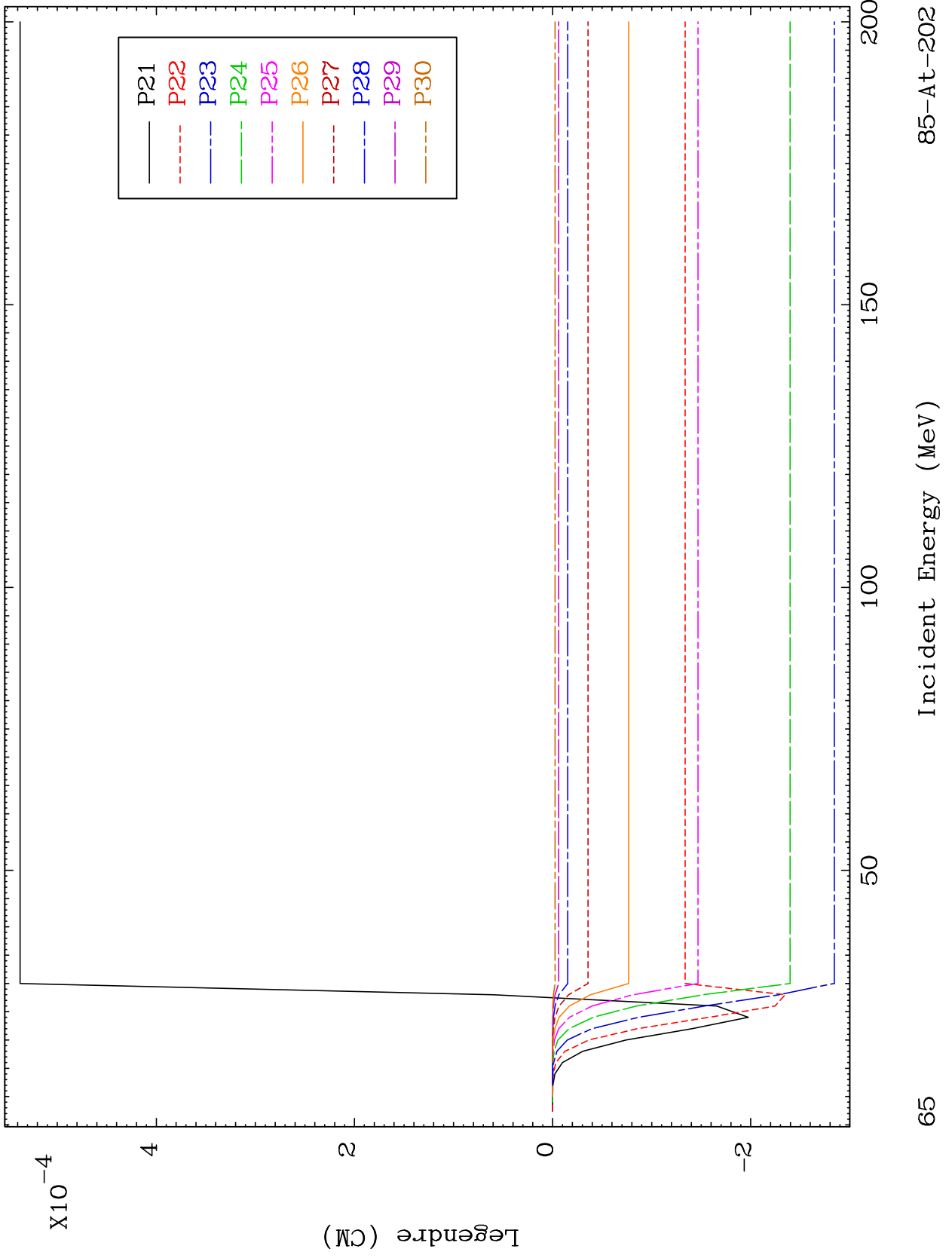
Incident Energy (MeV)

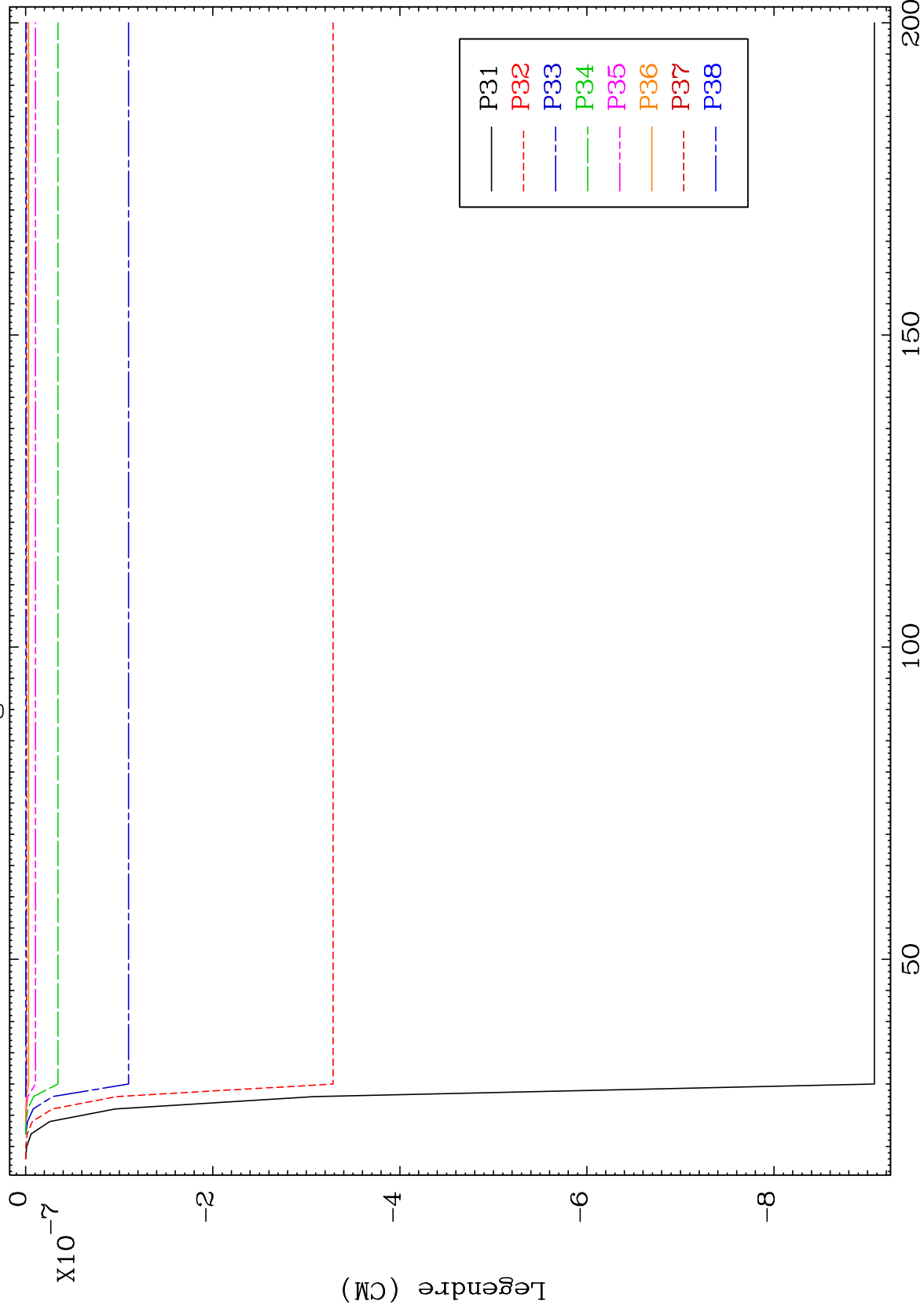
85-At-202

MAT 8522

MT= 63 (n,n') Level
Legendre Coefficients

85-At-202

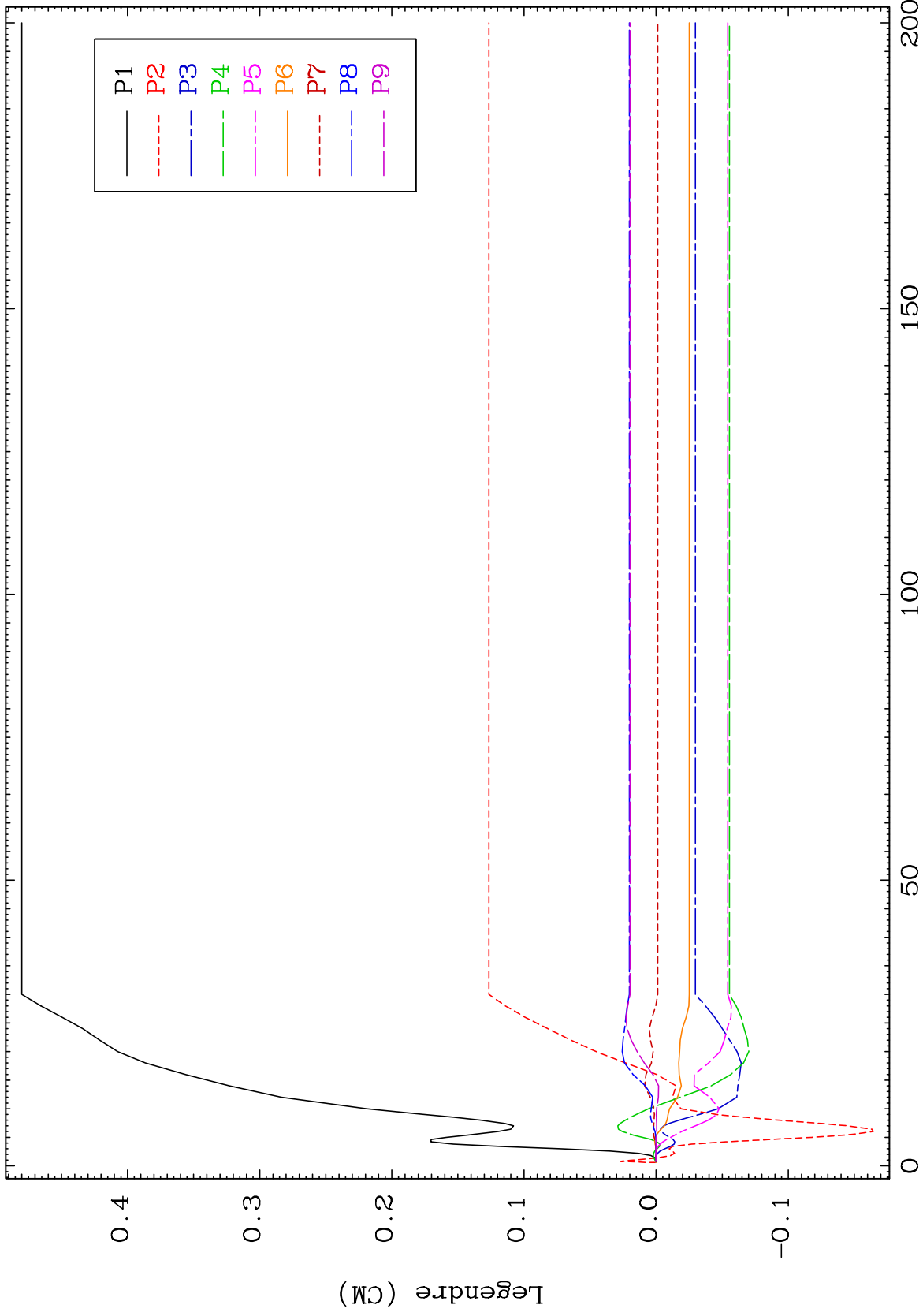




MAT 8522

MT= 64 (n,n') Level
Legendre Coefficients

85-At-202



67

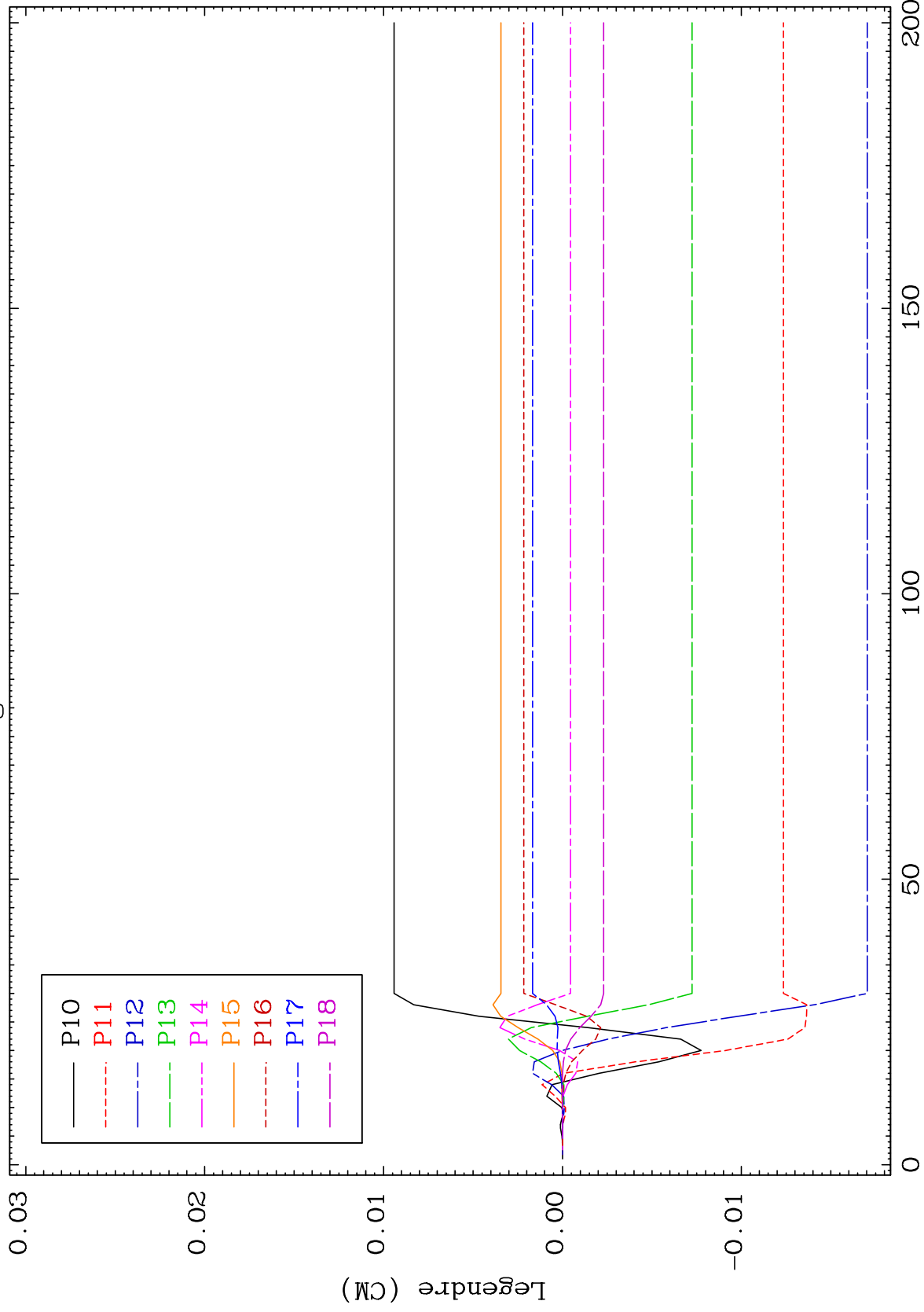
Incident Energy (MeV)

85-At-202

MAT 85222

MT= 64 (n,n') Level
Legendre Coefficients

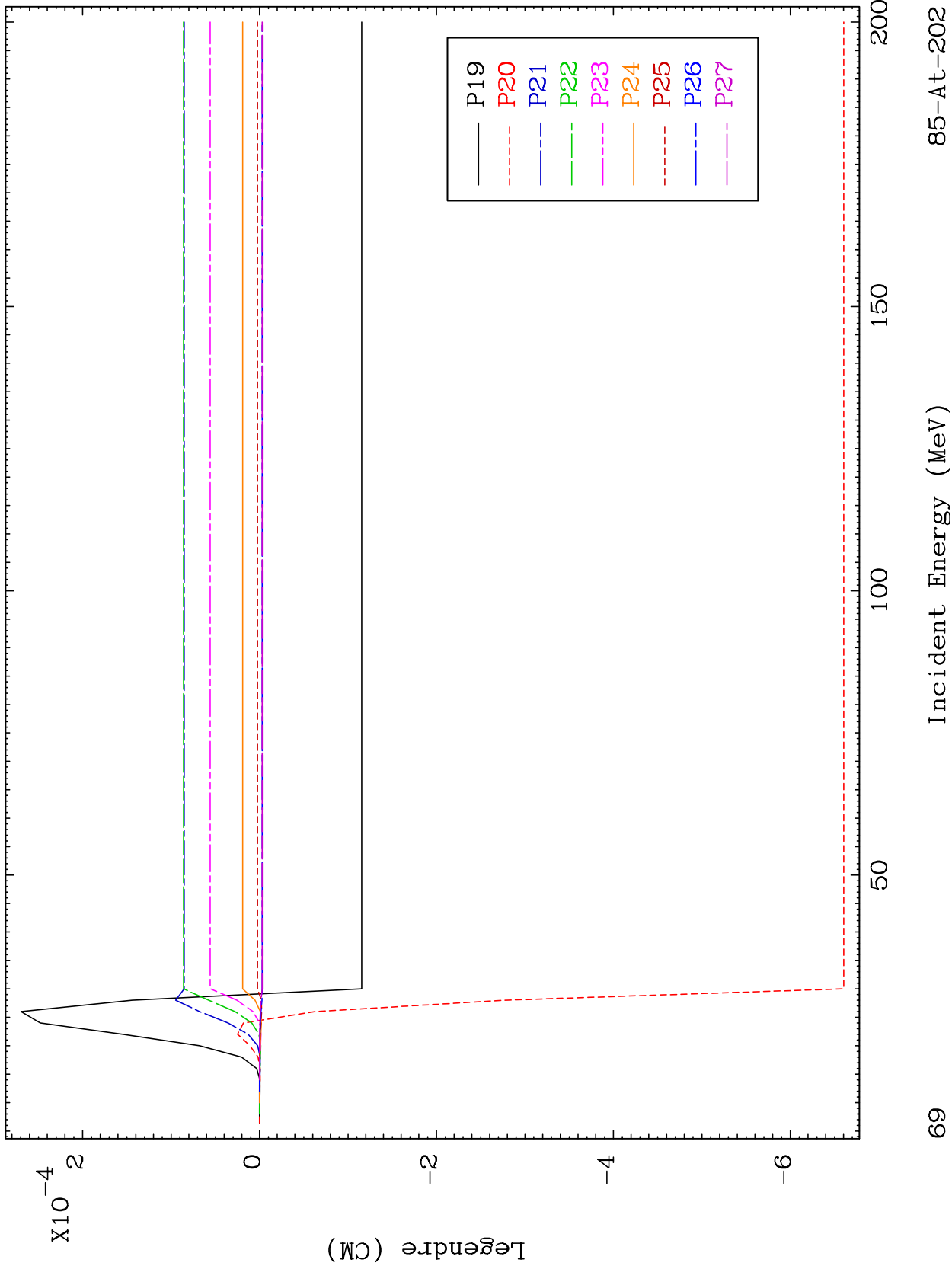
85-At-202

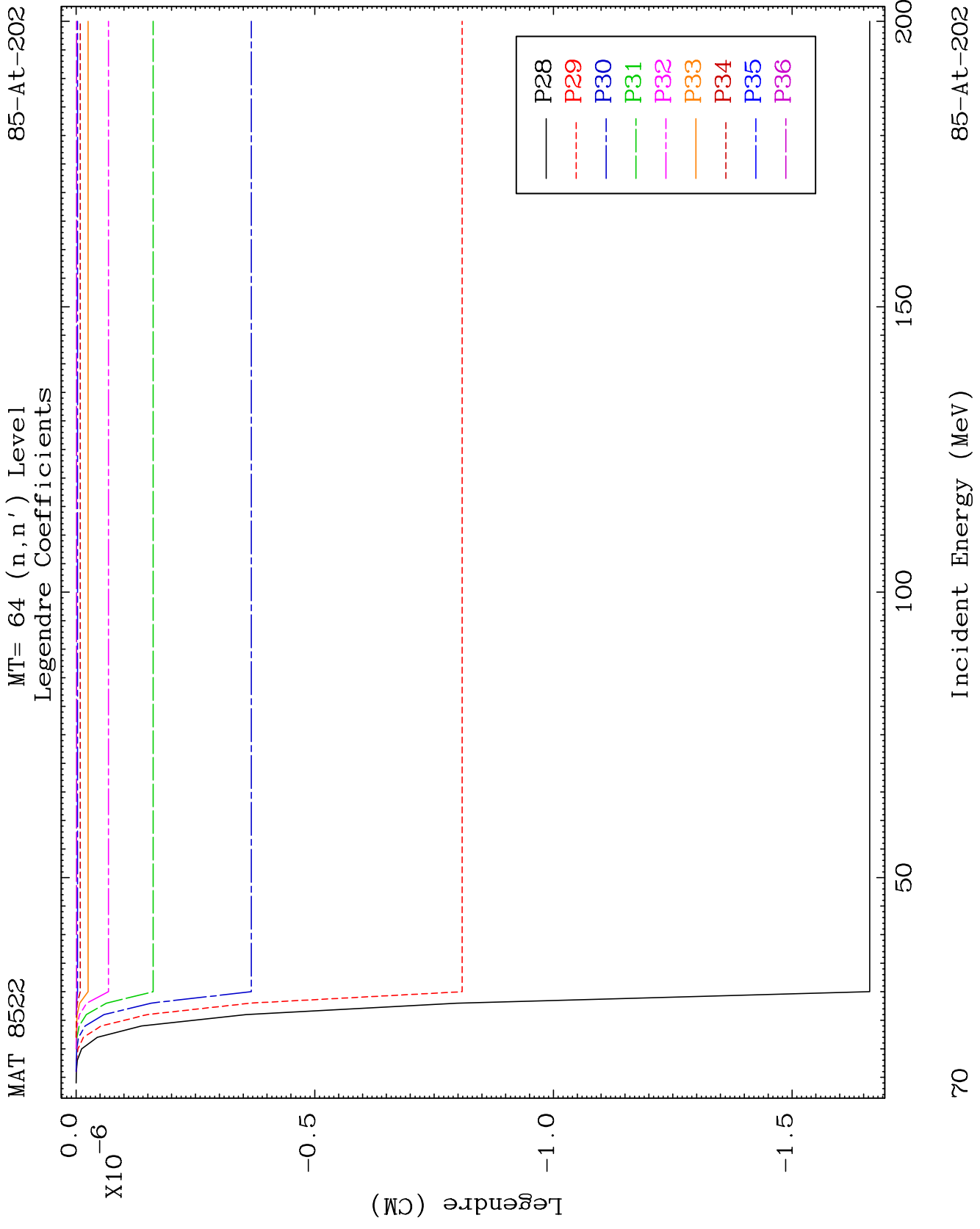


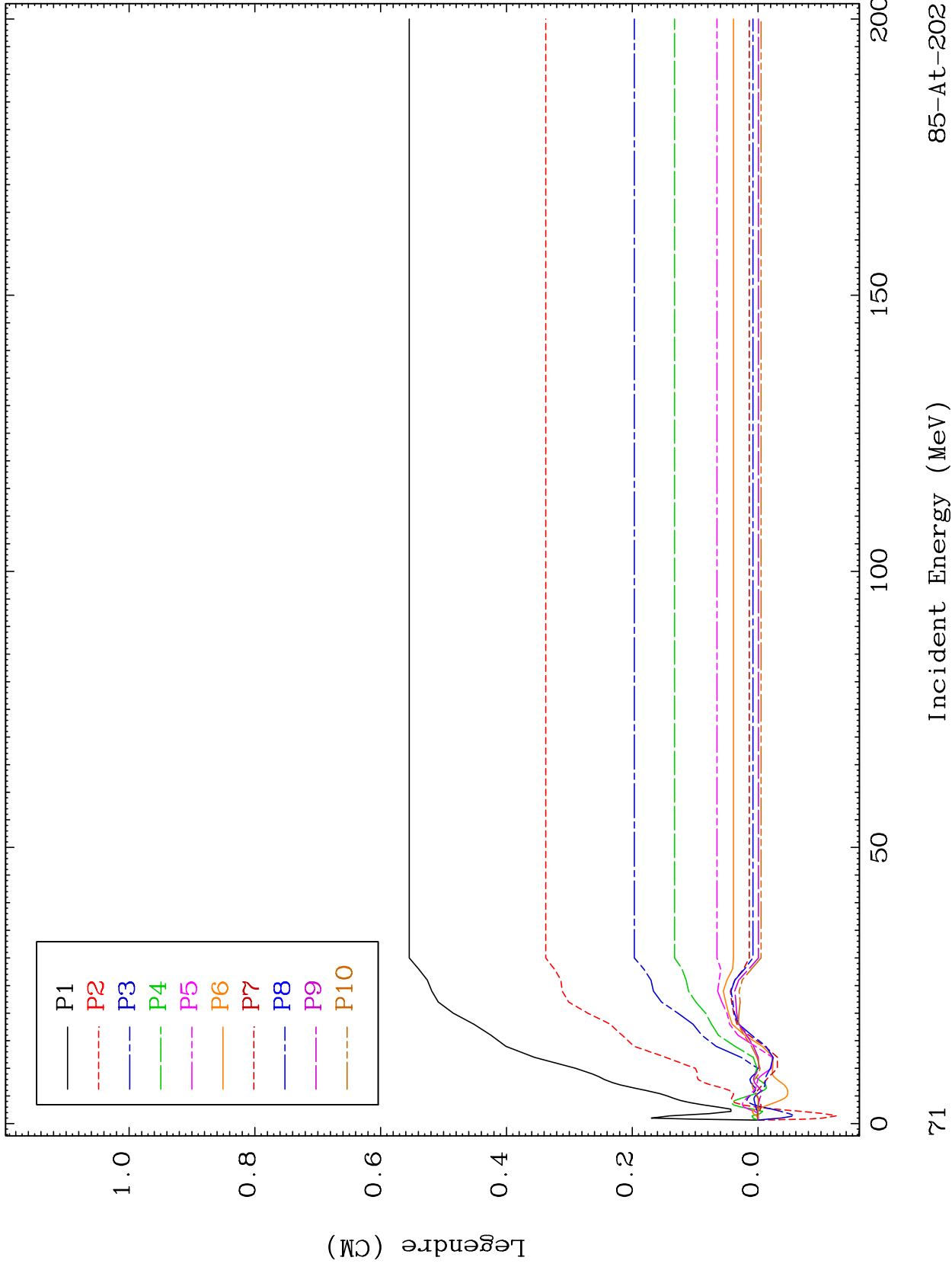
68

Incident Energy (MeV)

85-At-202



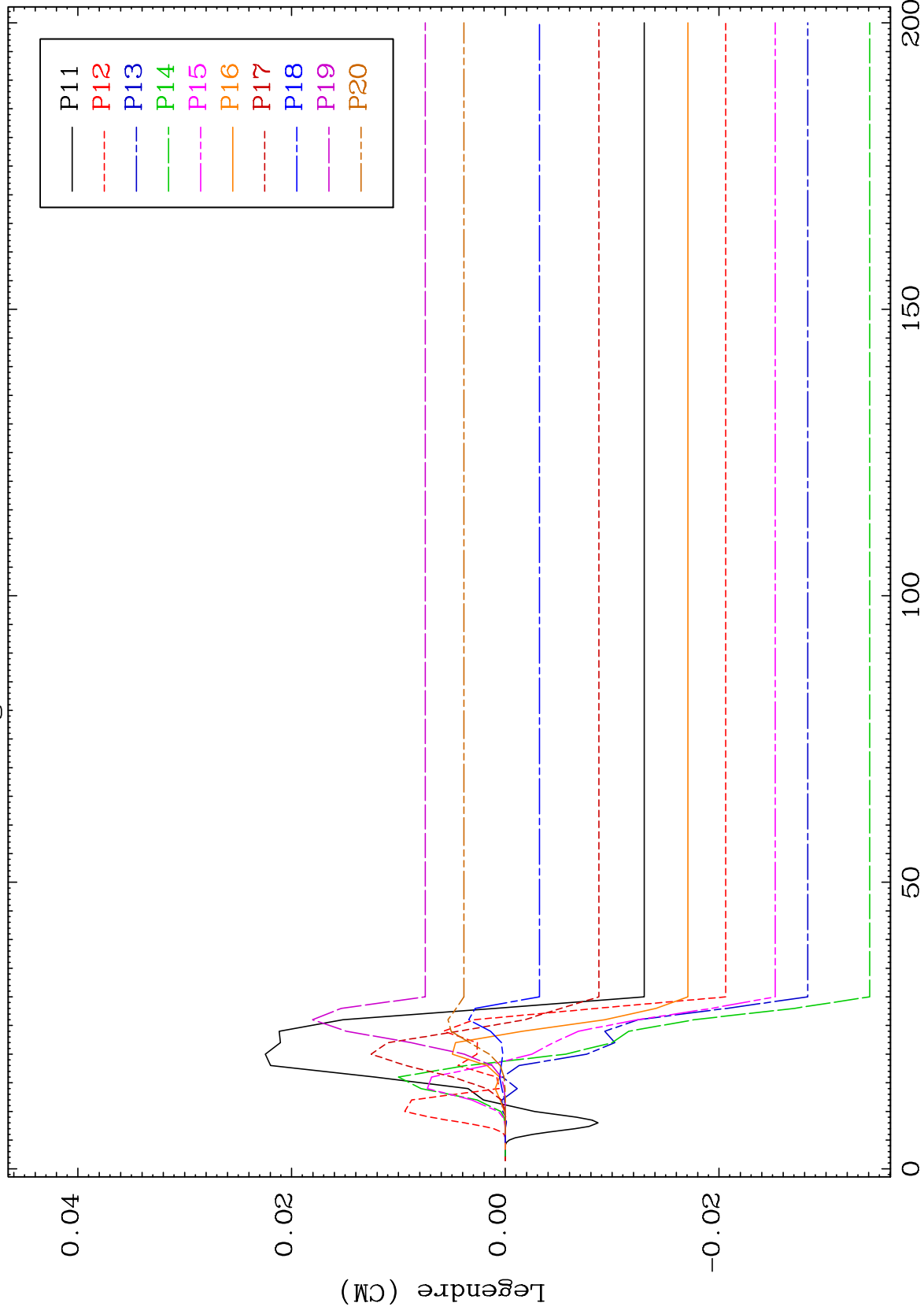




MAT 85222

MT= 65 (n,n') Level
Legendre Coefficients

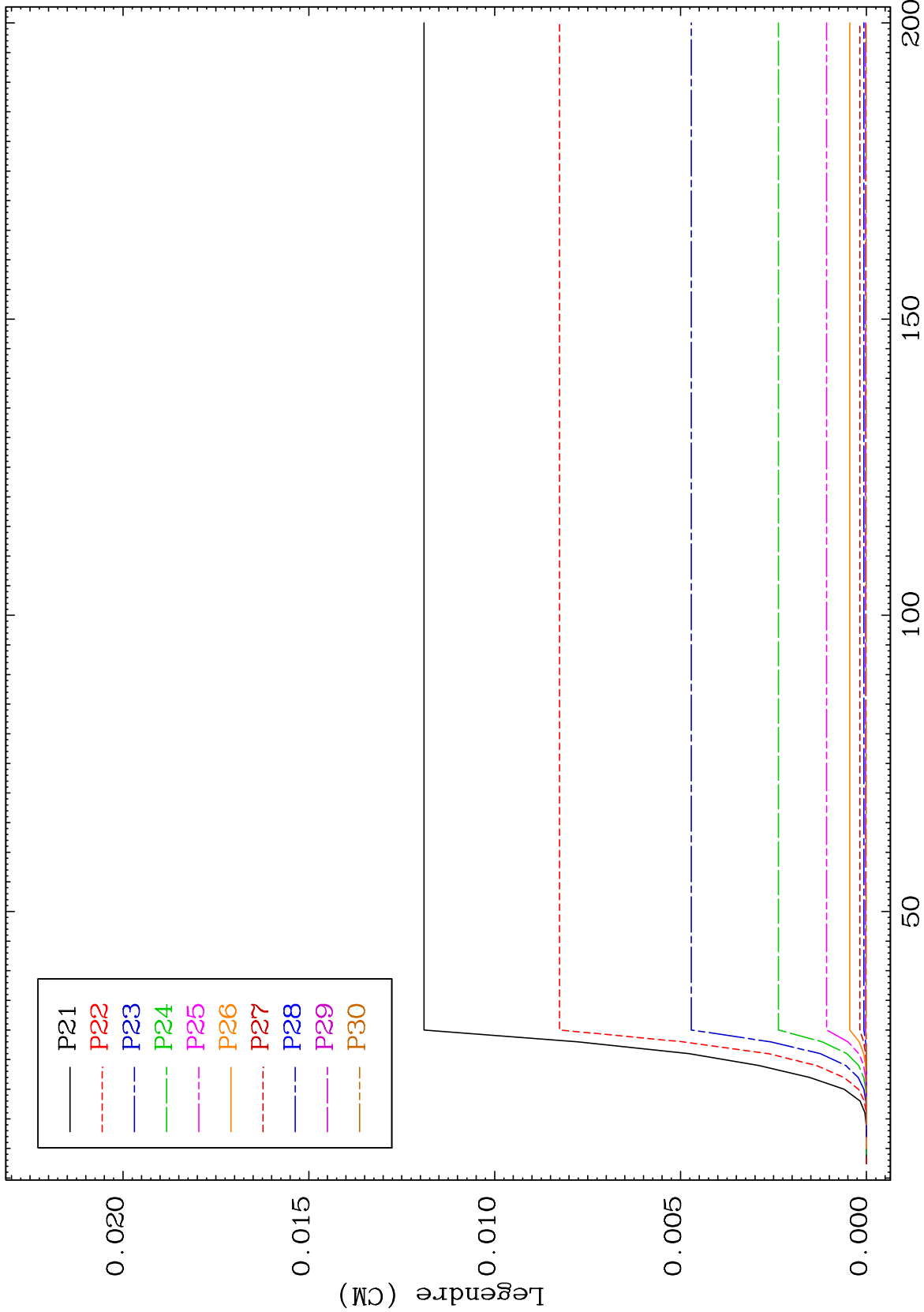
85-At-202



72

Incident Energy (MeV)

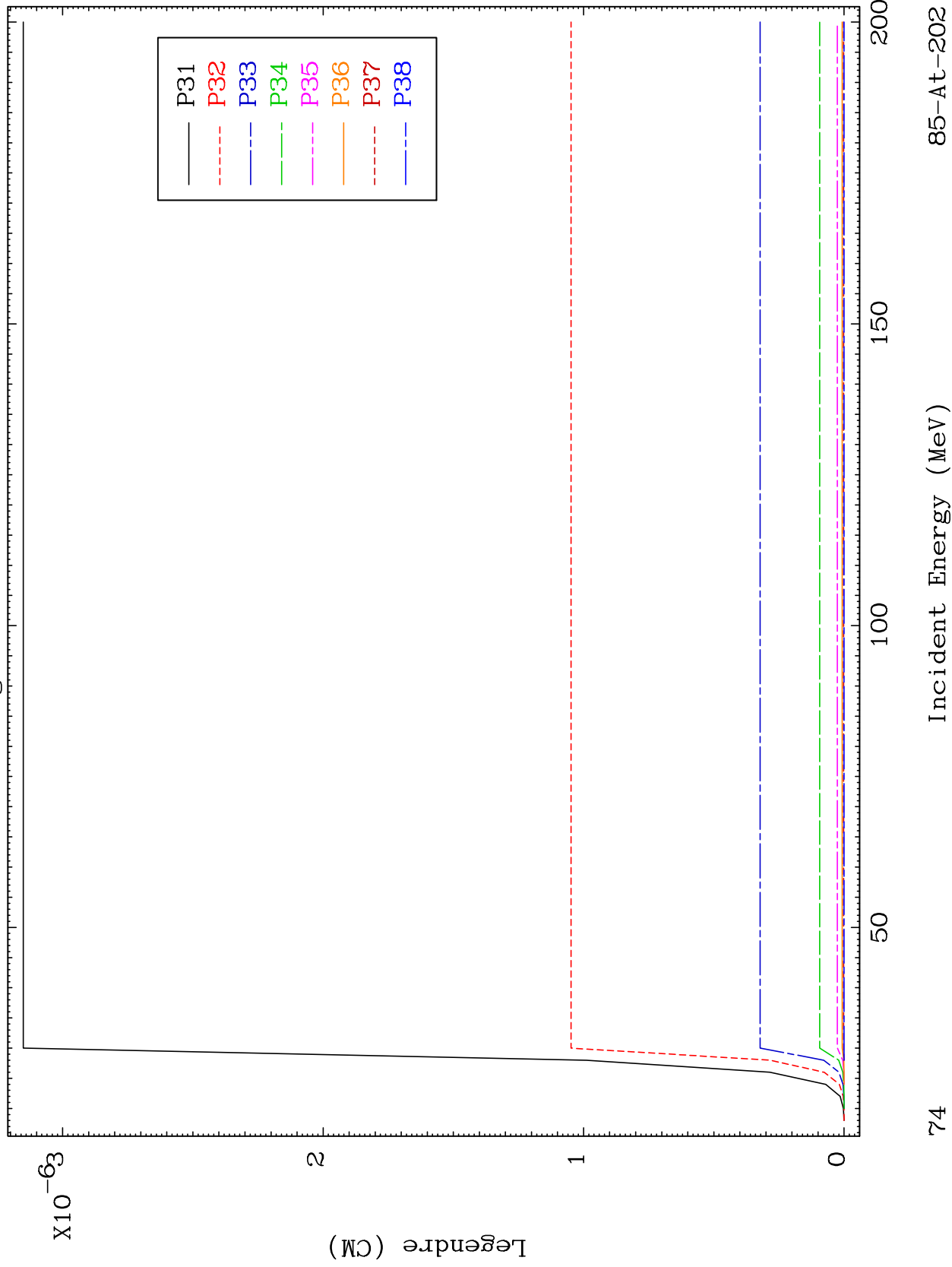
85-At-202



MAT 8522

MT= 65 (n,n') Level
Legendre Coefficients

85-At-202



74

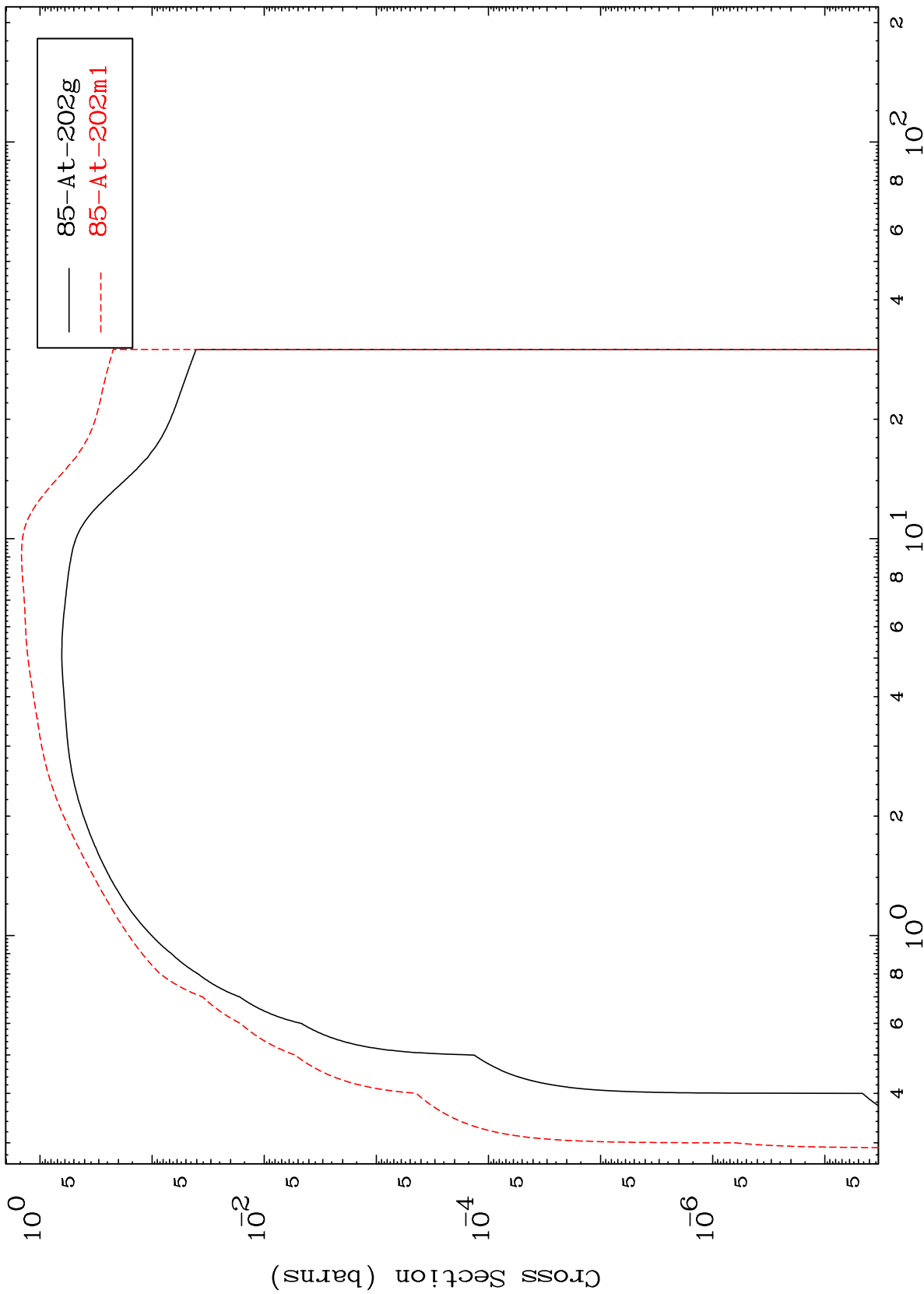
Incident Energy (MeV)

85-At-202

MAT 8522

85-At-202

Inelastic
Radionuclide Production Cross Section

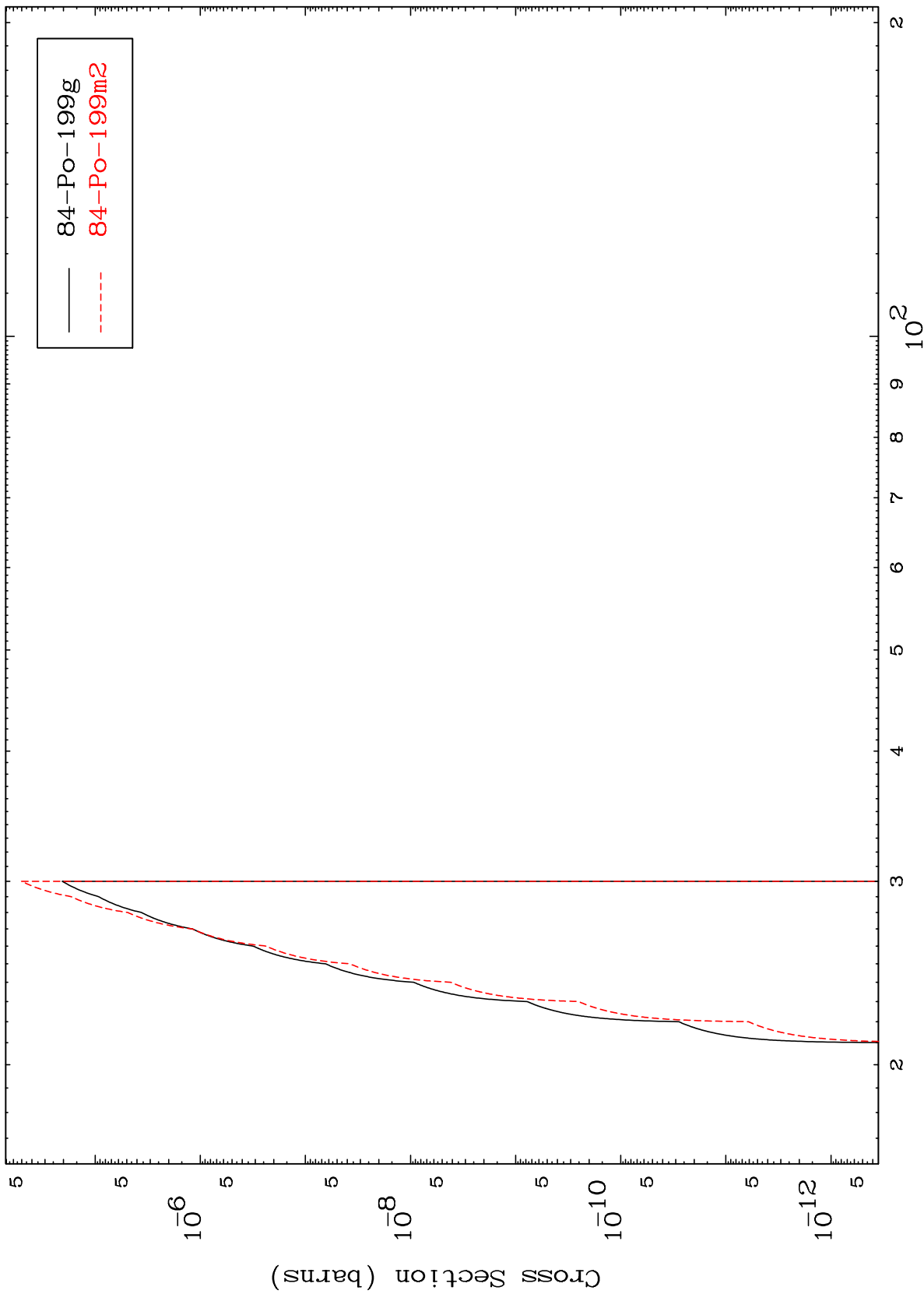


75

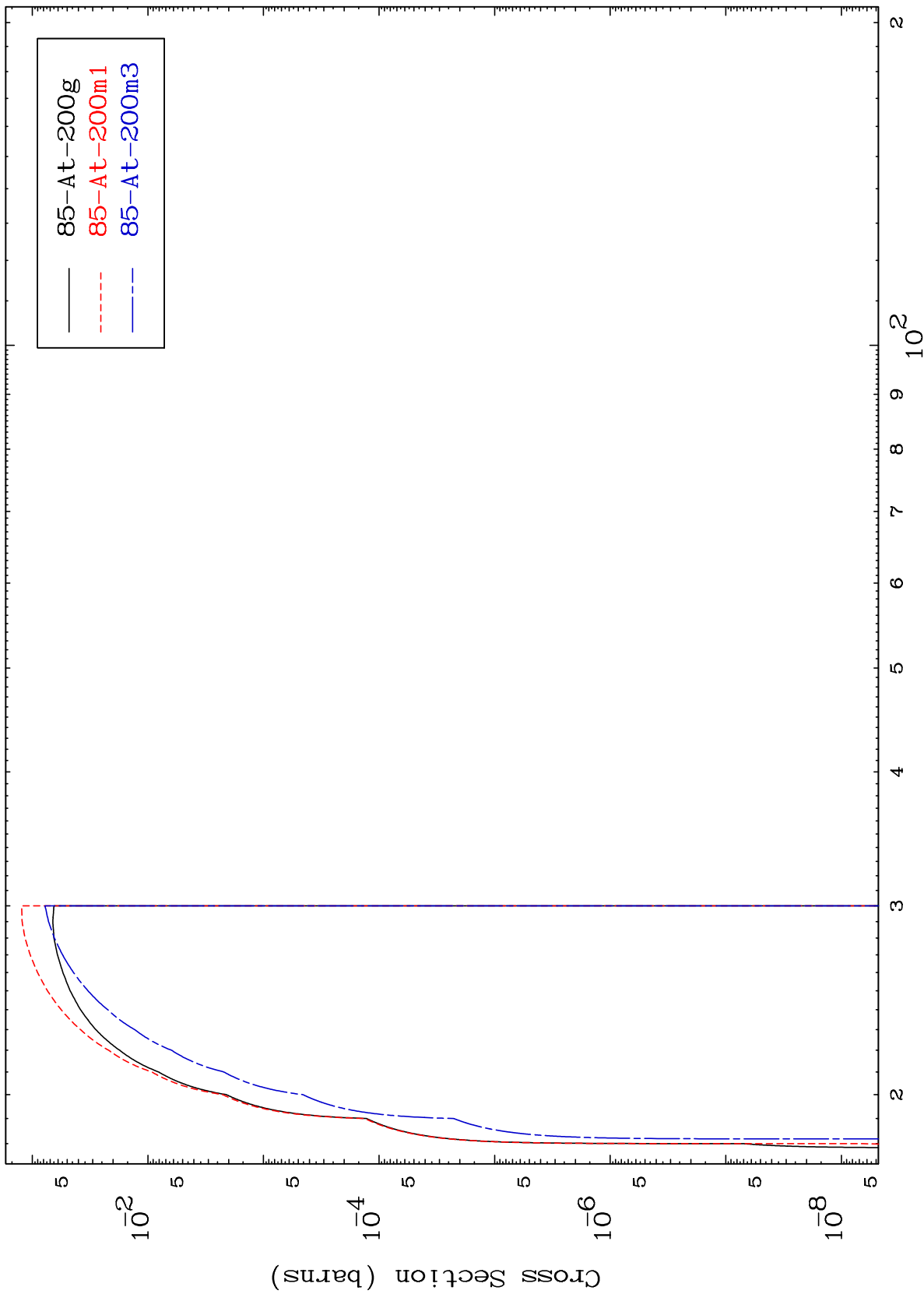
Incident Energy (MeV)

85-At-202

Radionuclide Production Cross Section



(n,3n)
Radionuclide Production Cross Section

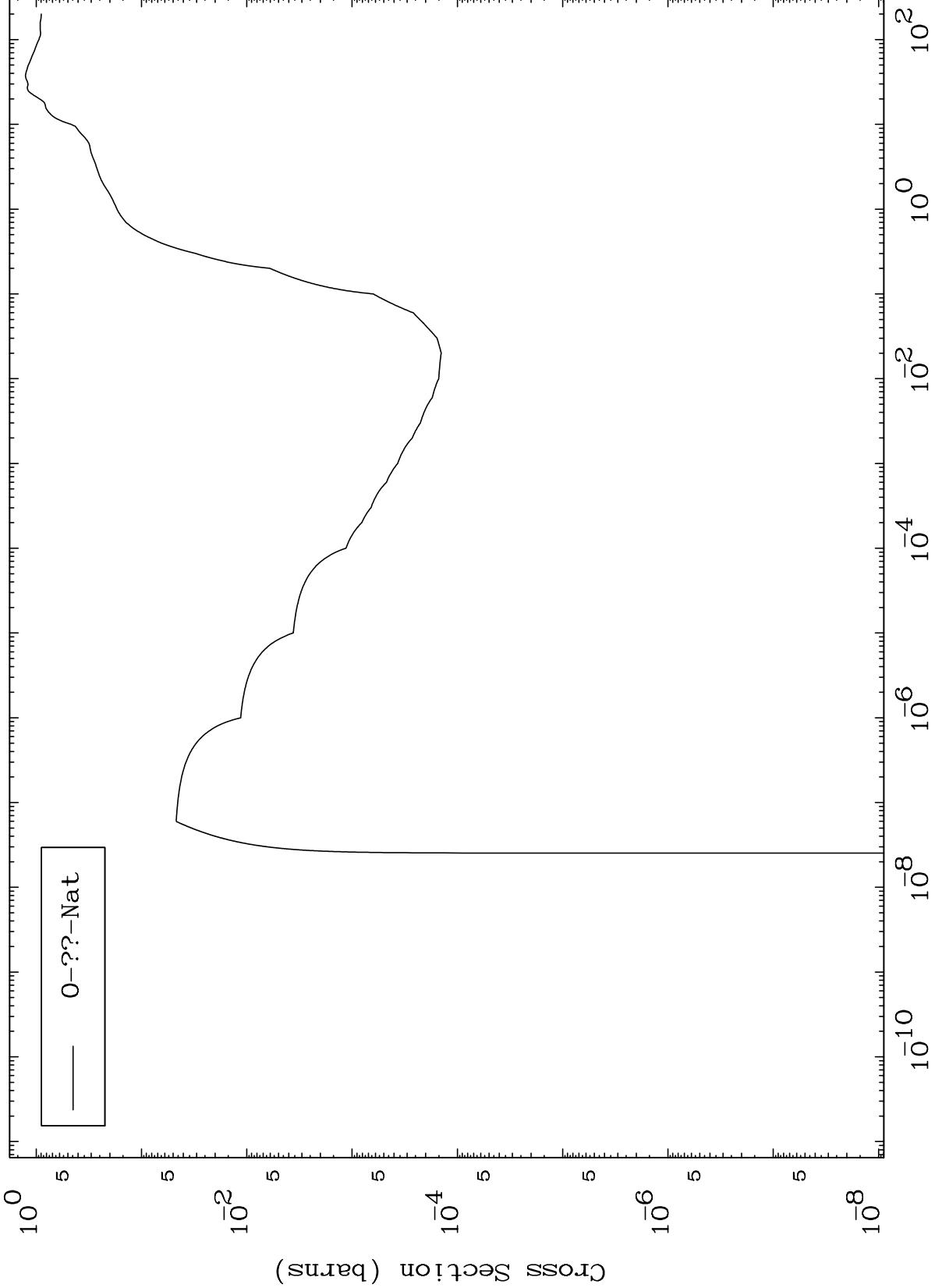


MAT 8522

Fission

85-At-202

Radionuclide Production Cross Section

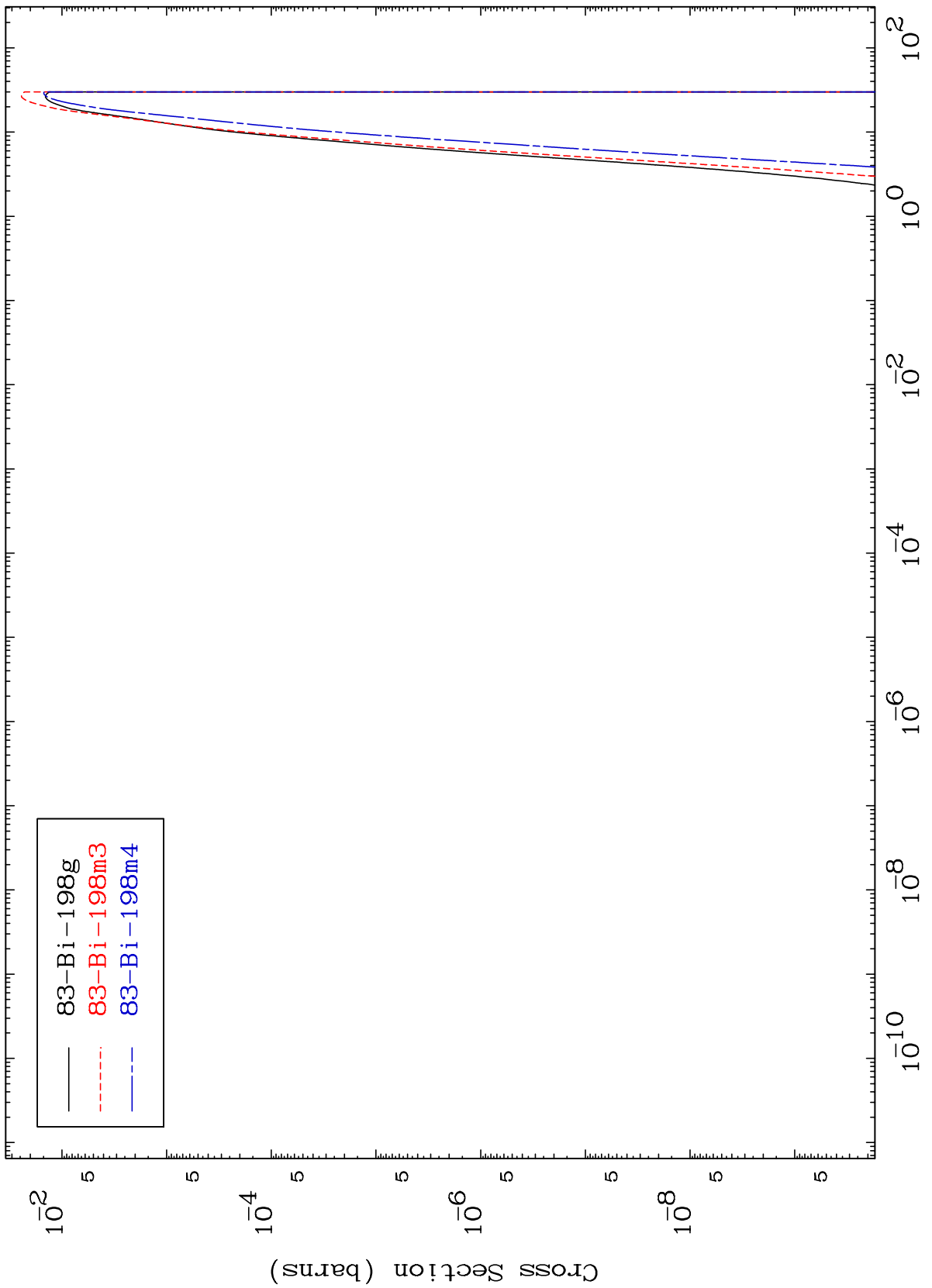


78

Incident Energy (MeV)

85-At-202

Radionuclide Production Cross Section



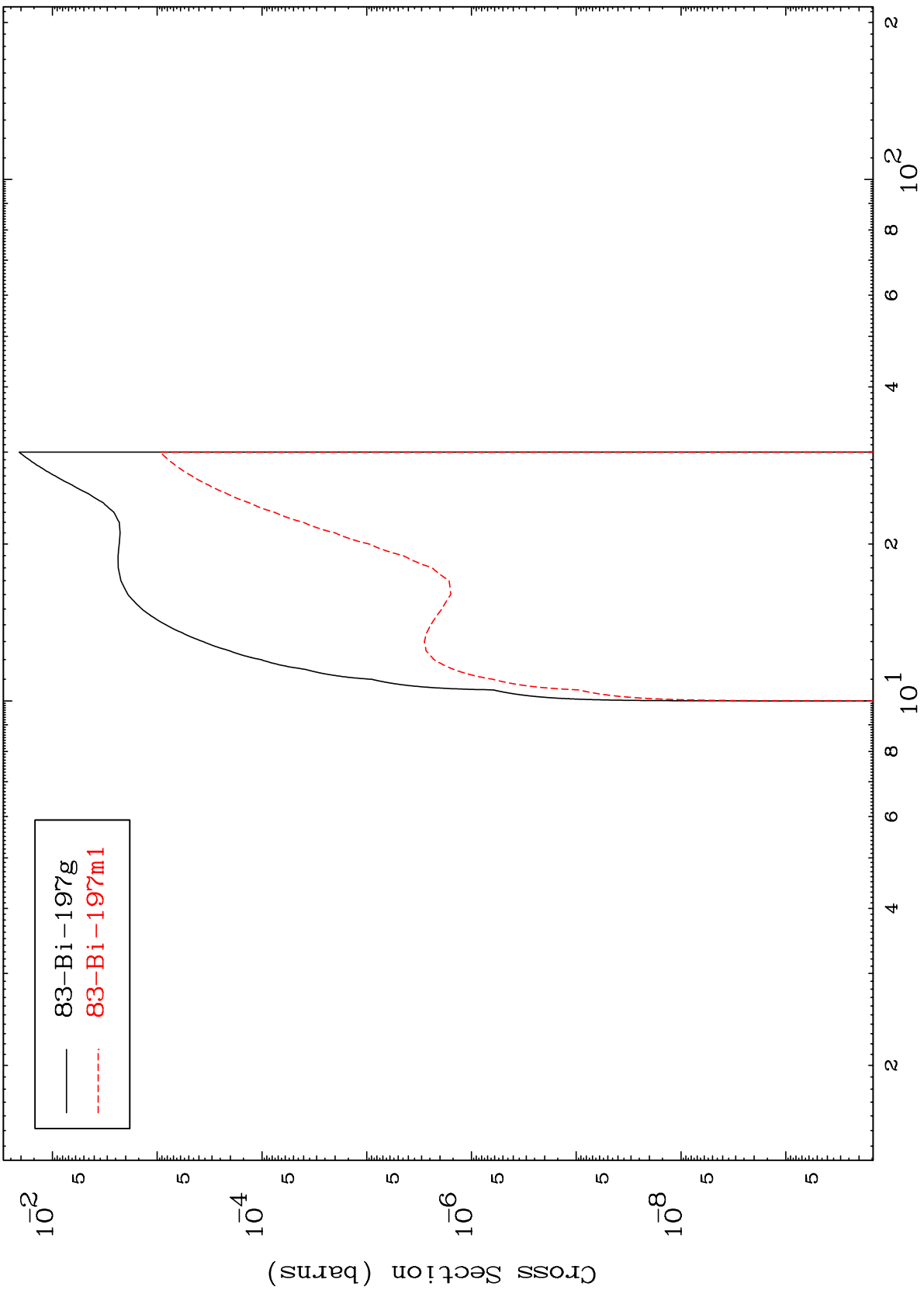
83-Bi-198g
83-Bi-198m3
83-Bi-198m4

MAT 8522

(n,2n) α

85-At-202

Radionuclide Production Cross Section

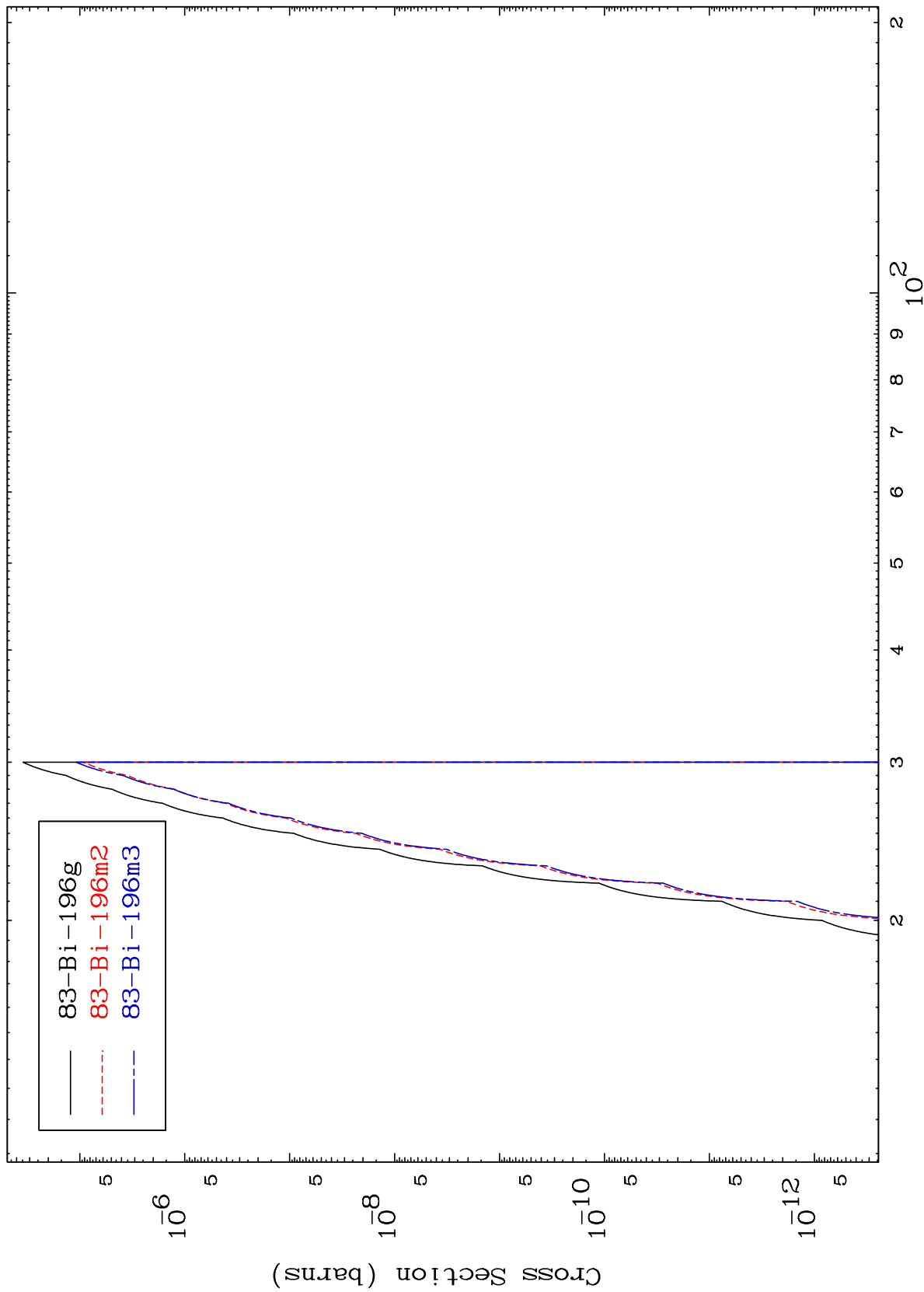


80

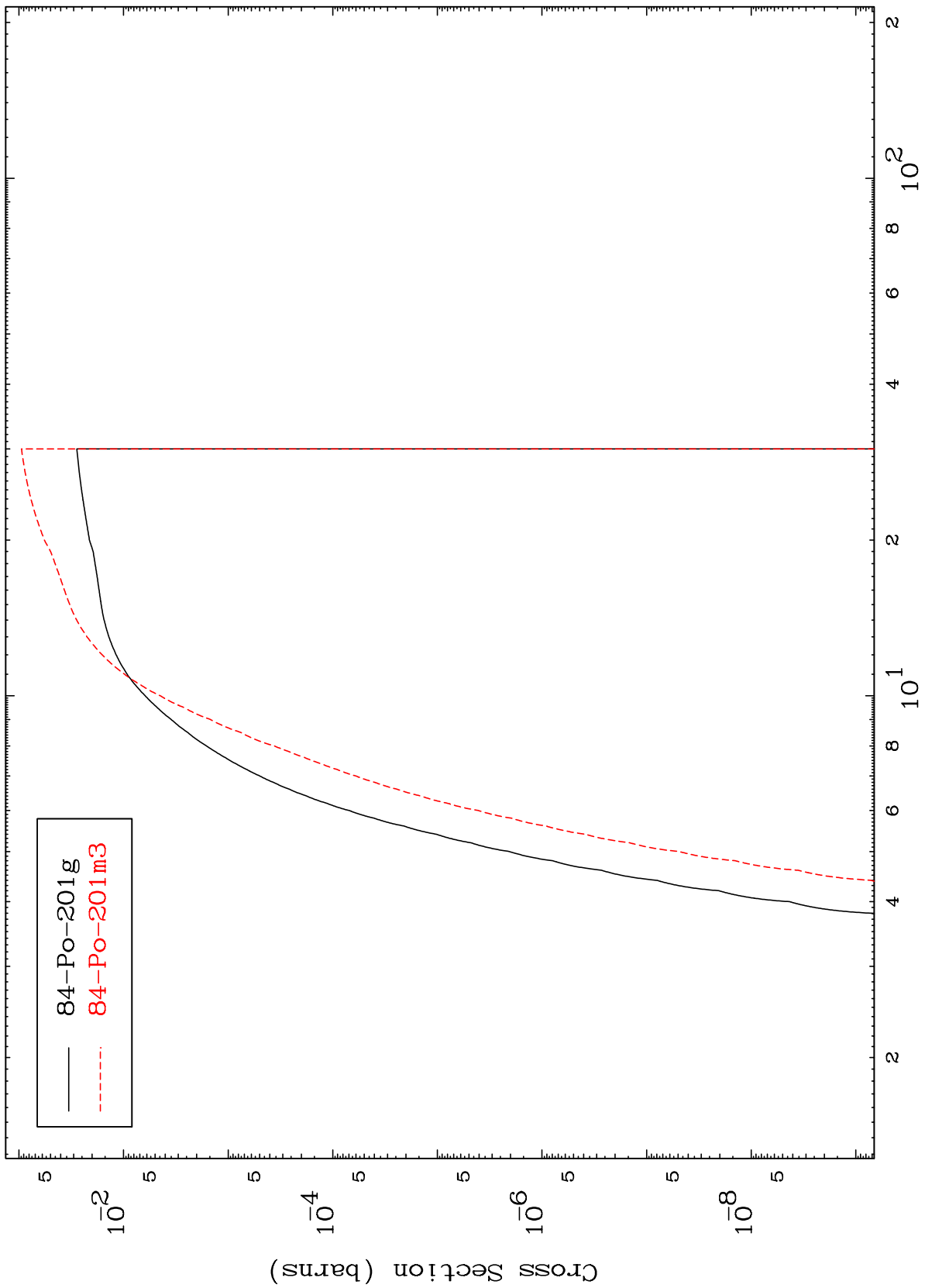
Incident Energy (MeV)

85-At-202

Radionuclide Production Cross Section



(n,n') p
Radionuclide Production Cross Section



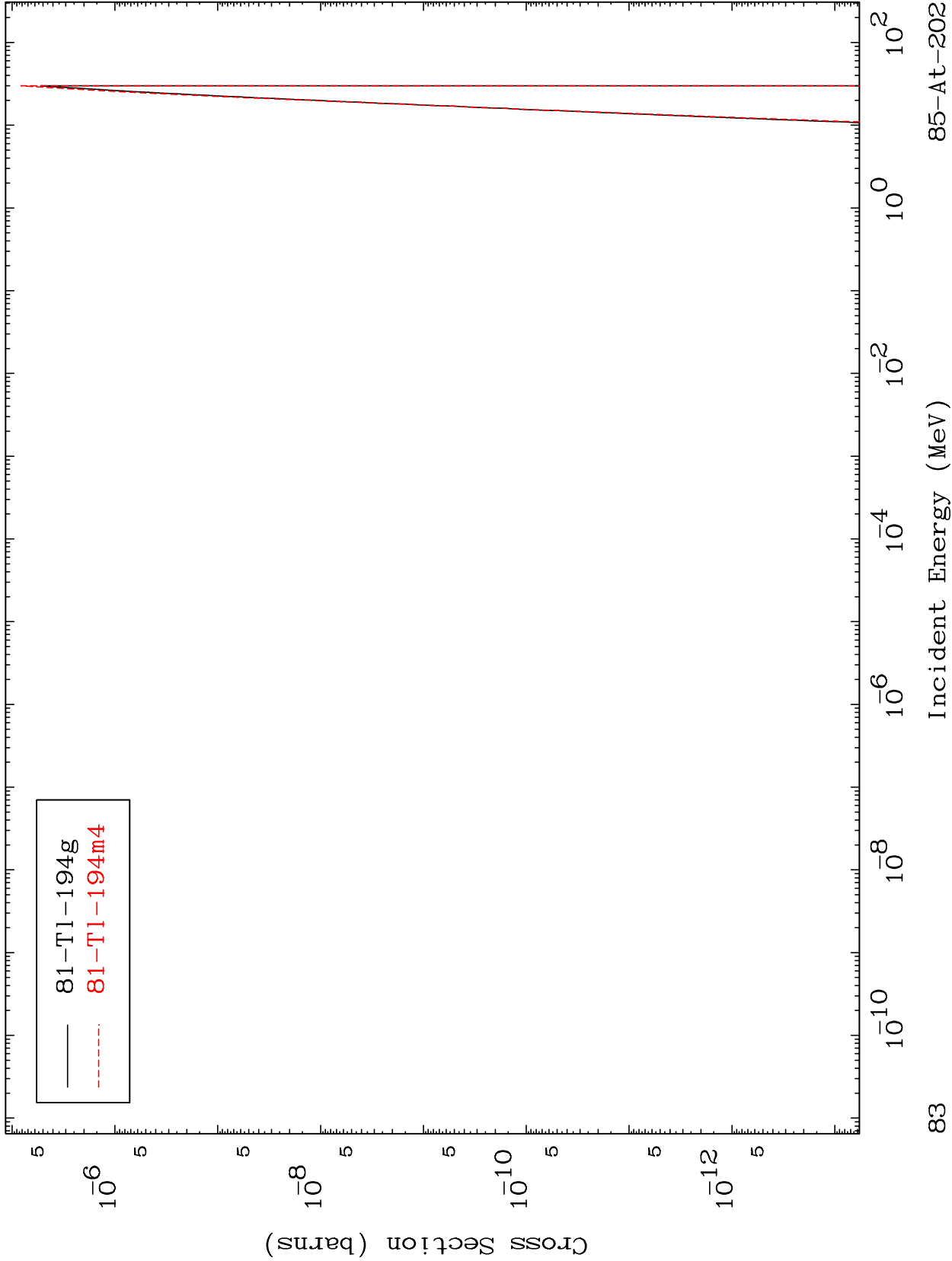
— 84-Po-201g
- - - 84-Po-201m3

MAT 85222

(n,n') 2α

85-At-202

Radionuclide Production Cross Section



83

Incident Energy (MeV)

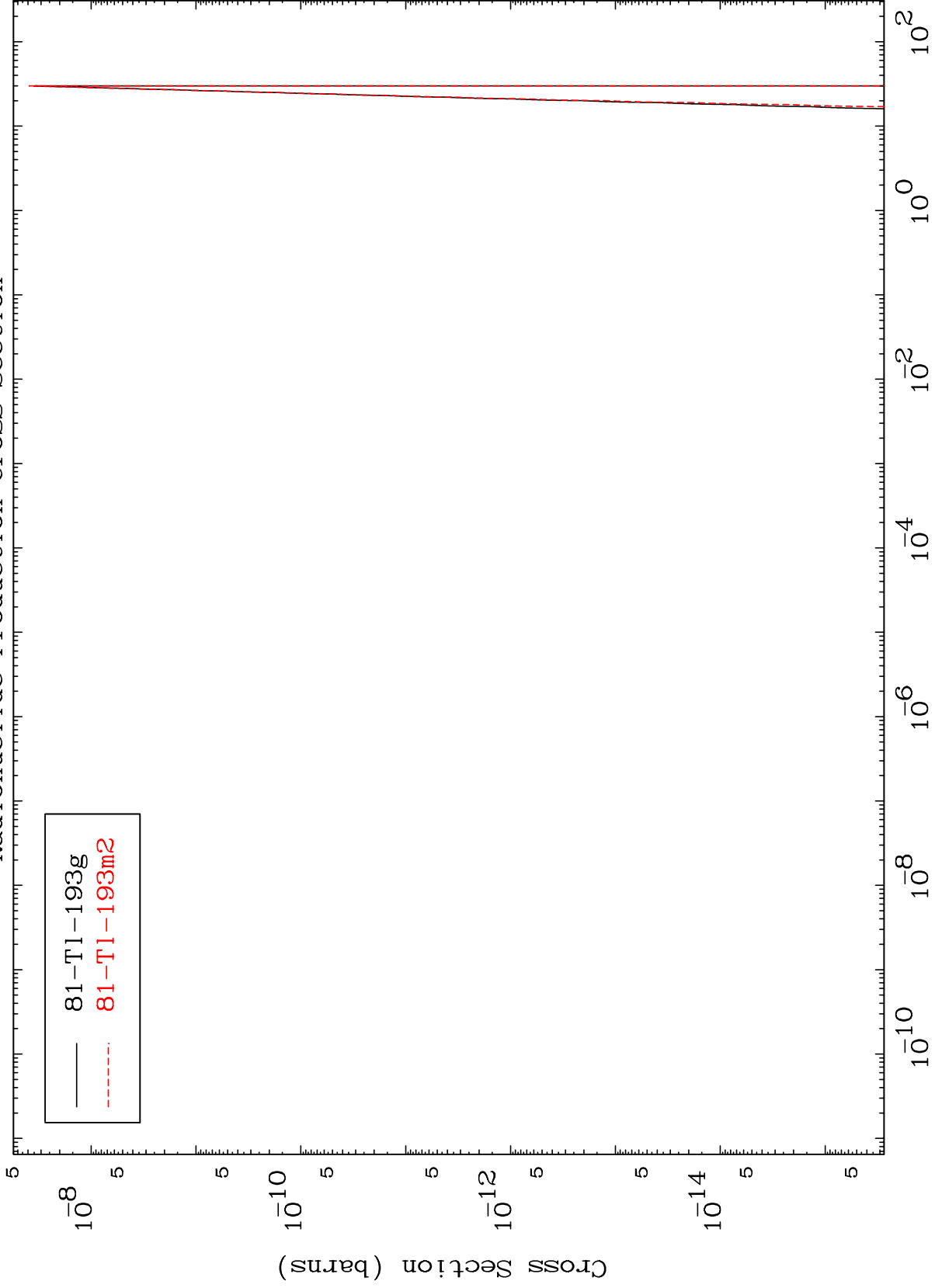
85-At-202

MAT 8522

(n,2n) 2α

85-At-202

Radionuclide Production Cross Section



84

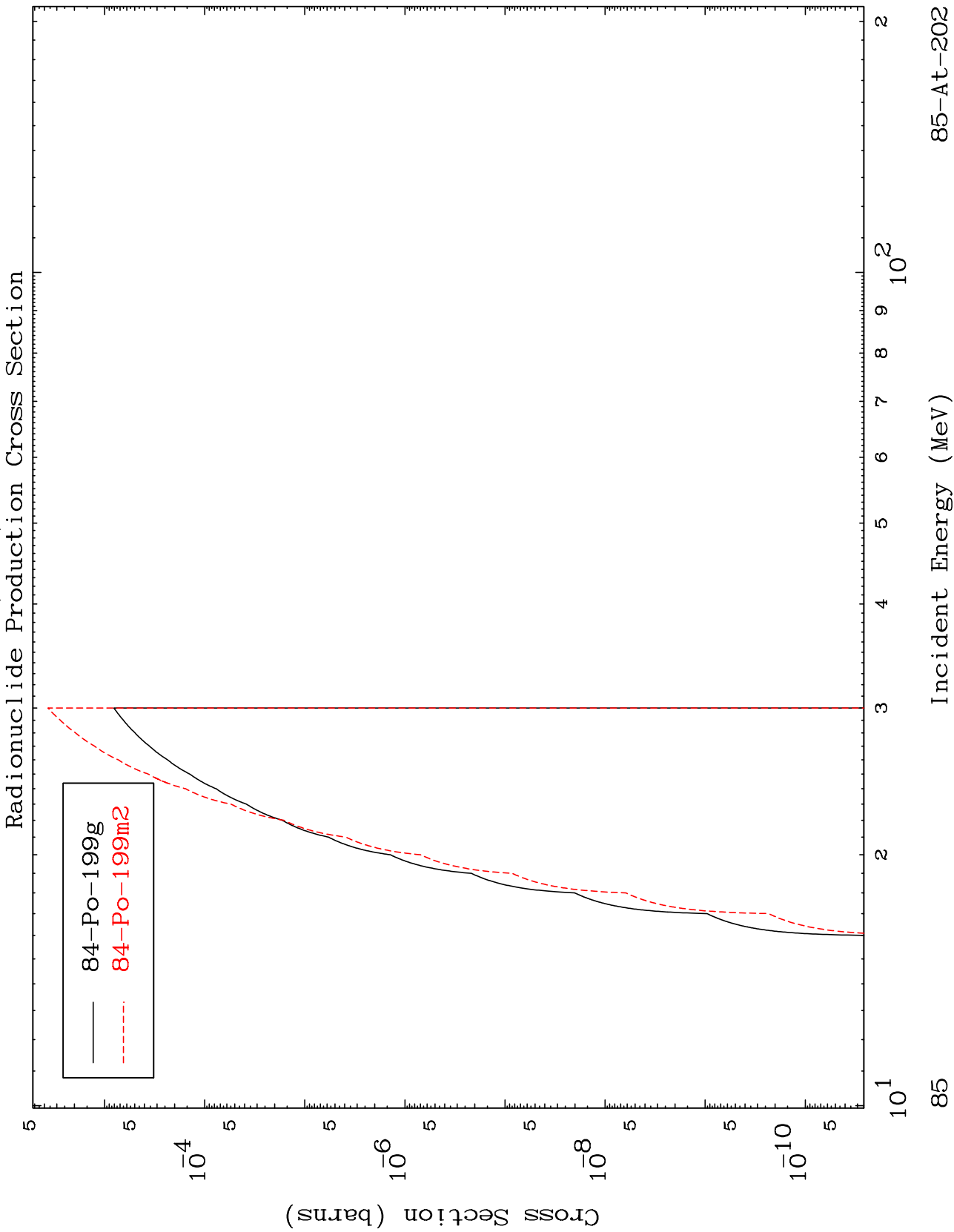
Incident Energy (MeV)

85-At-202

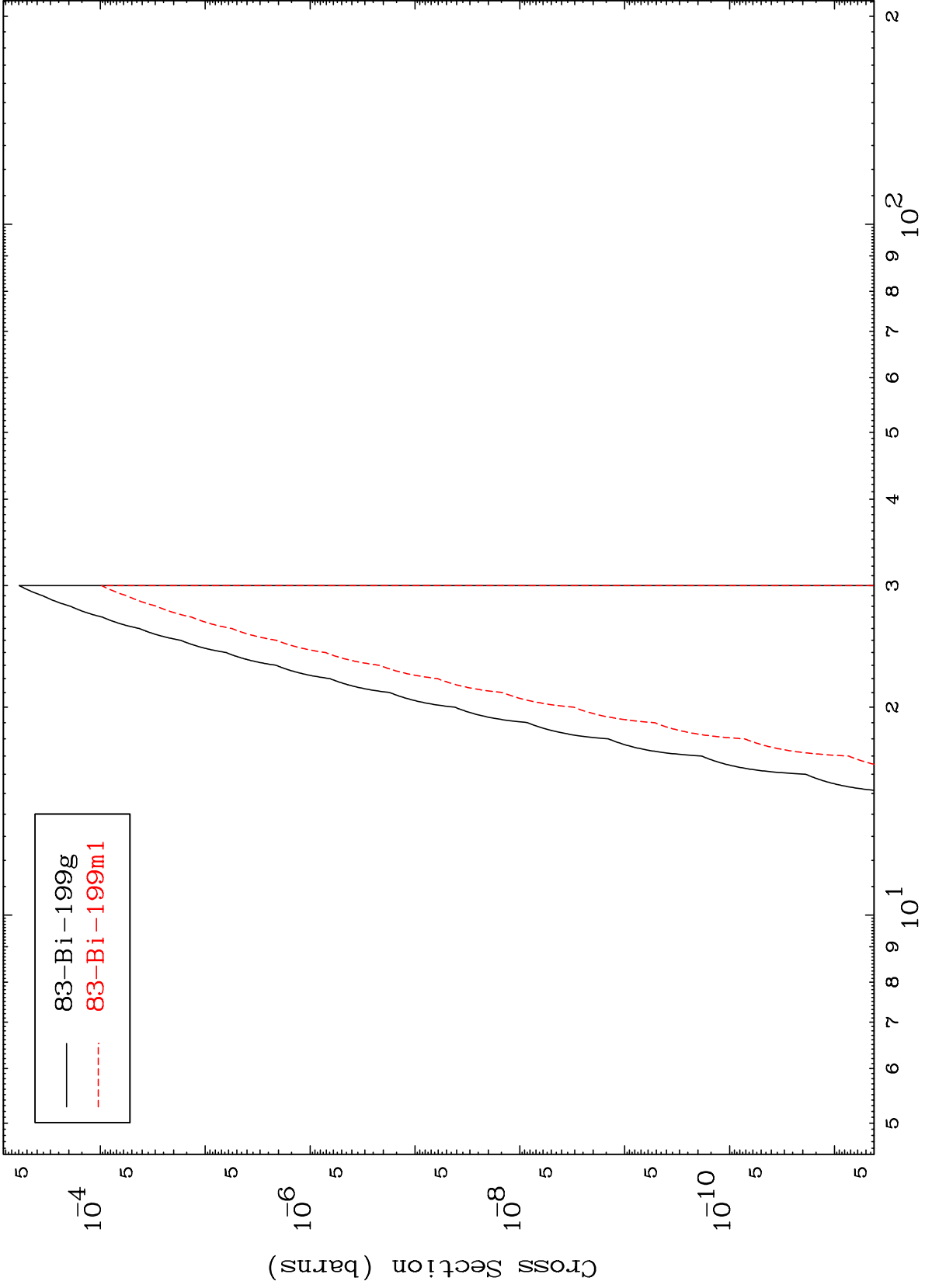
MAT 85222

(n,n') t

85-At-202

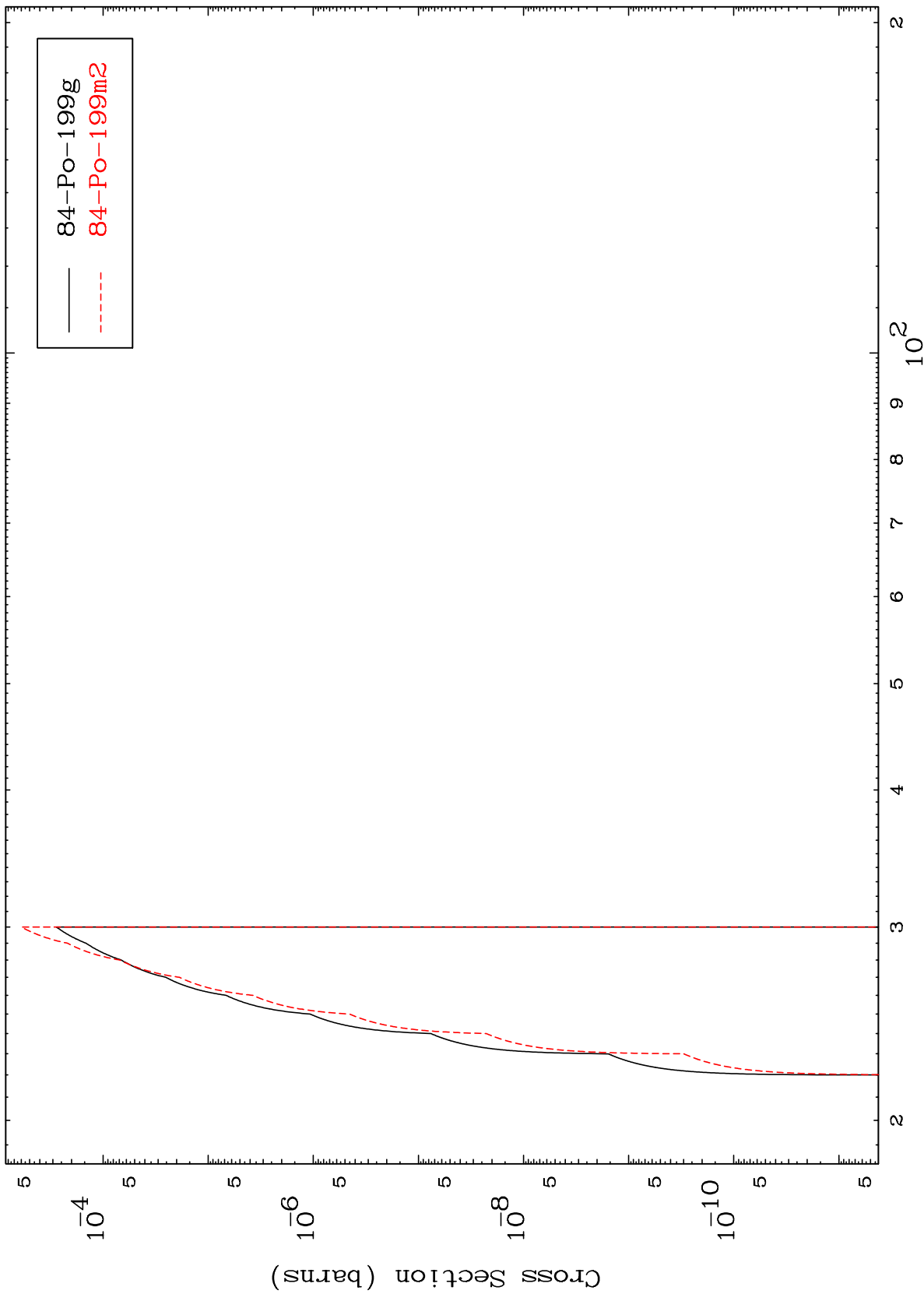


Radionuclide Production Cross Section



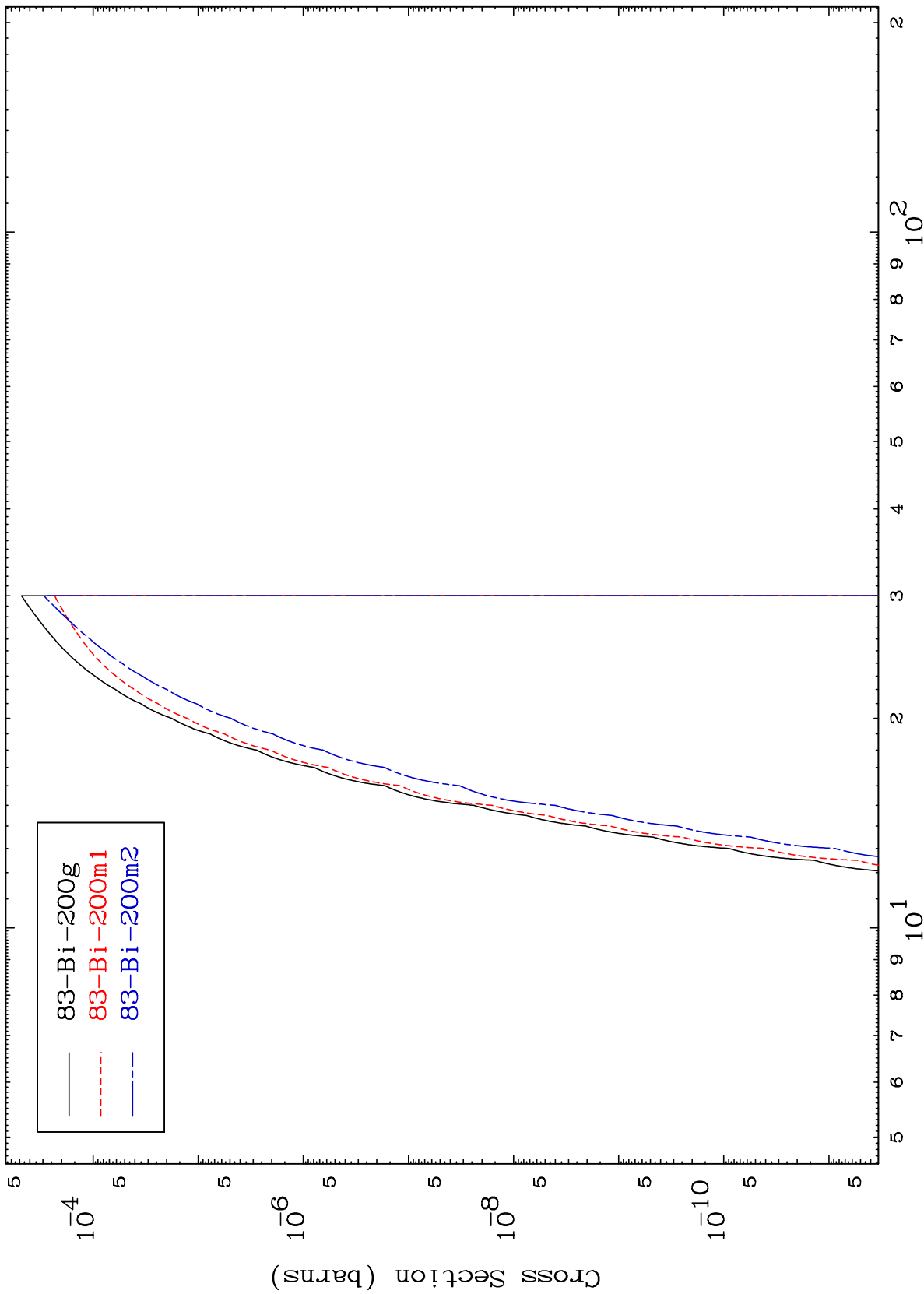
83-Bi-199g
83-Bi-199m1

(n,3n) p
Radionuclide Production Cross Section



84-Po-199g
84-Po-199m2

(n,2n) p
Radionuclide Production Cross Section

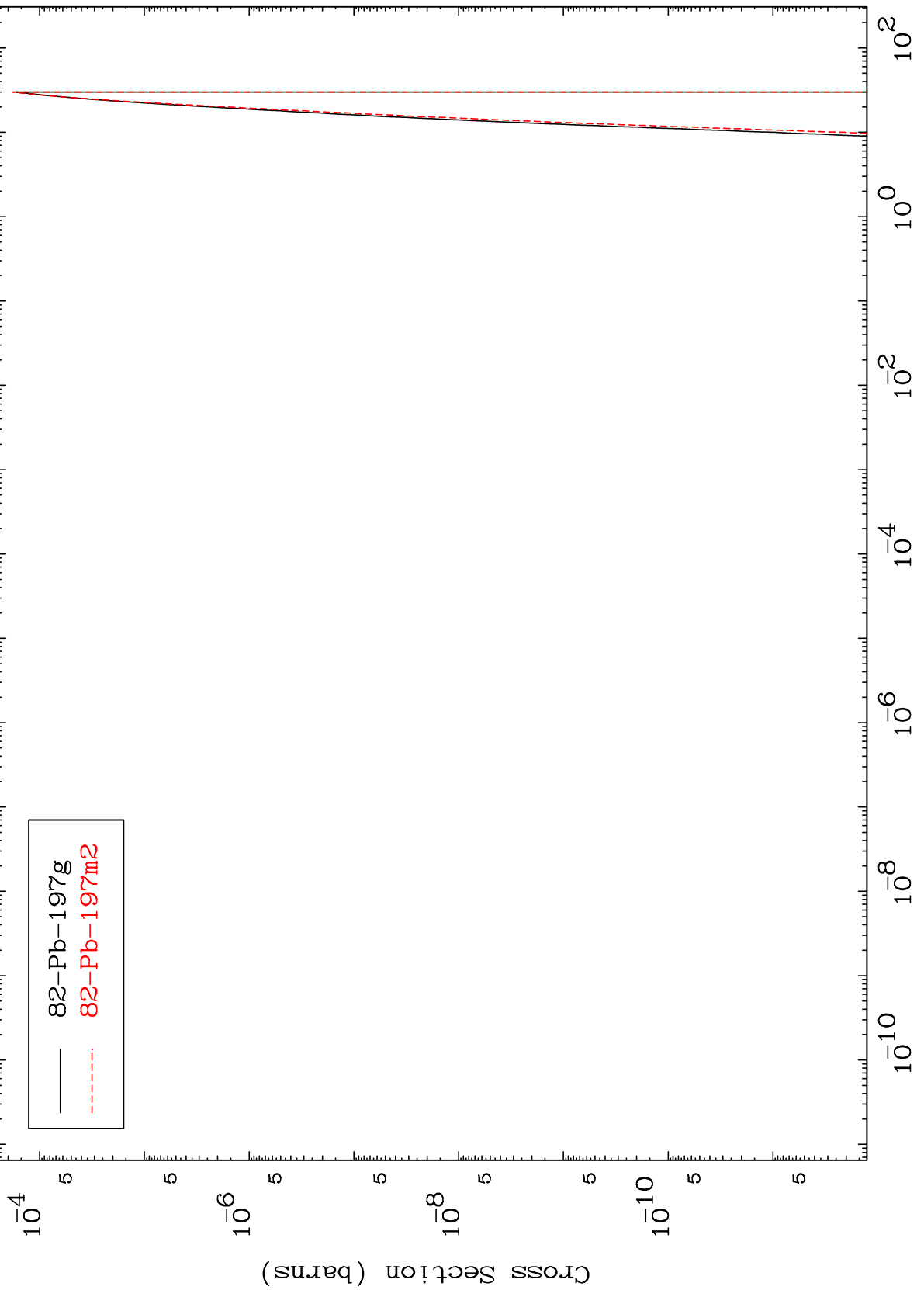


MAT 85222

(n,n') p α

85-At-202

Radionuclide Production Cross Section



82-Pb-197g
82-Pb-197m2

89

Incident Energy (MeV)

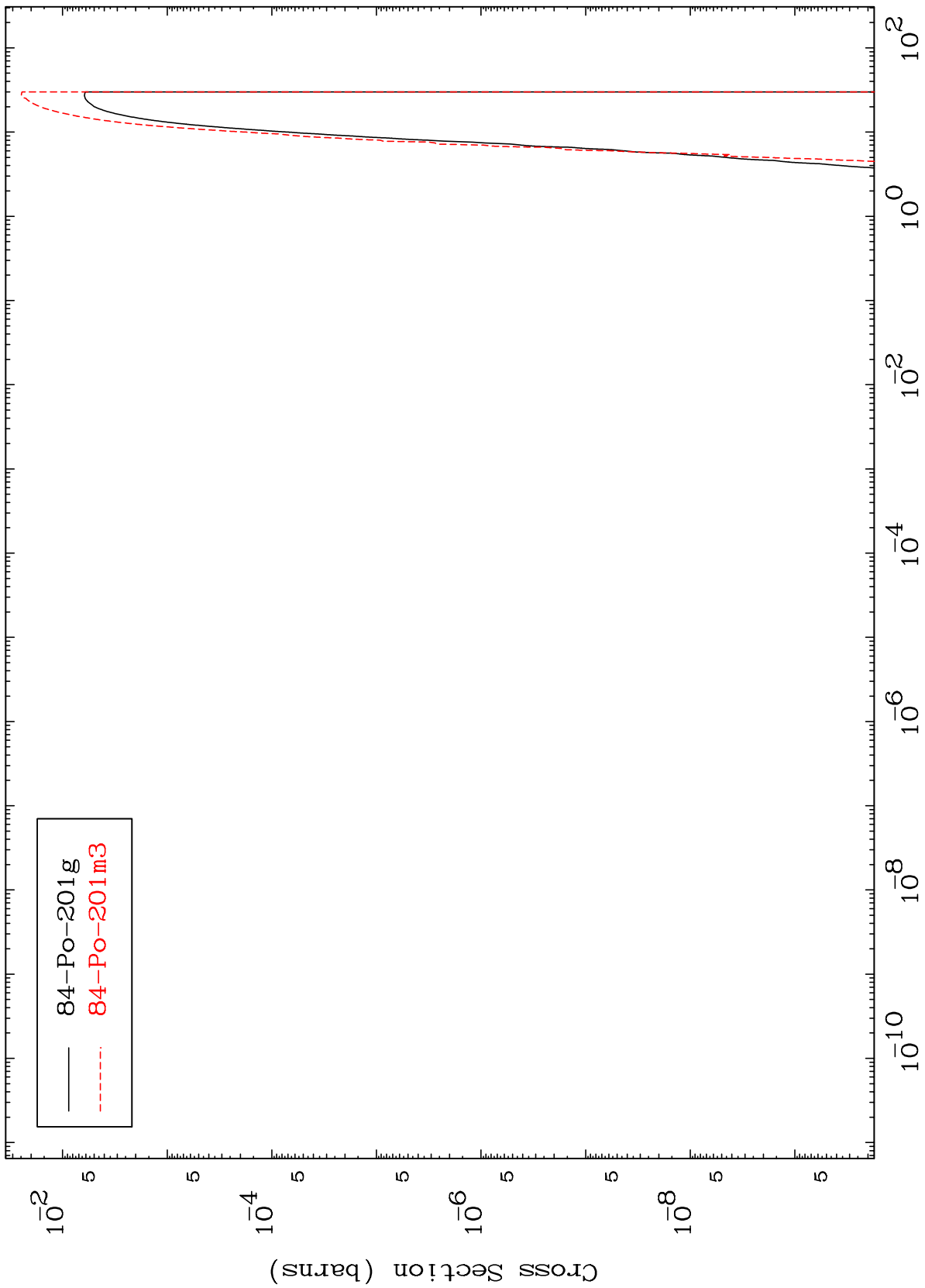
85-At-202

MAT 85222

(n,d)

85-At-202

Radionuclide Production Cross Section



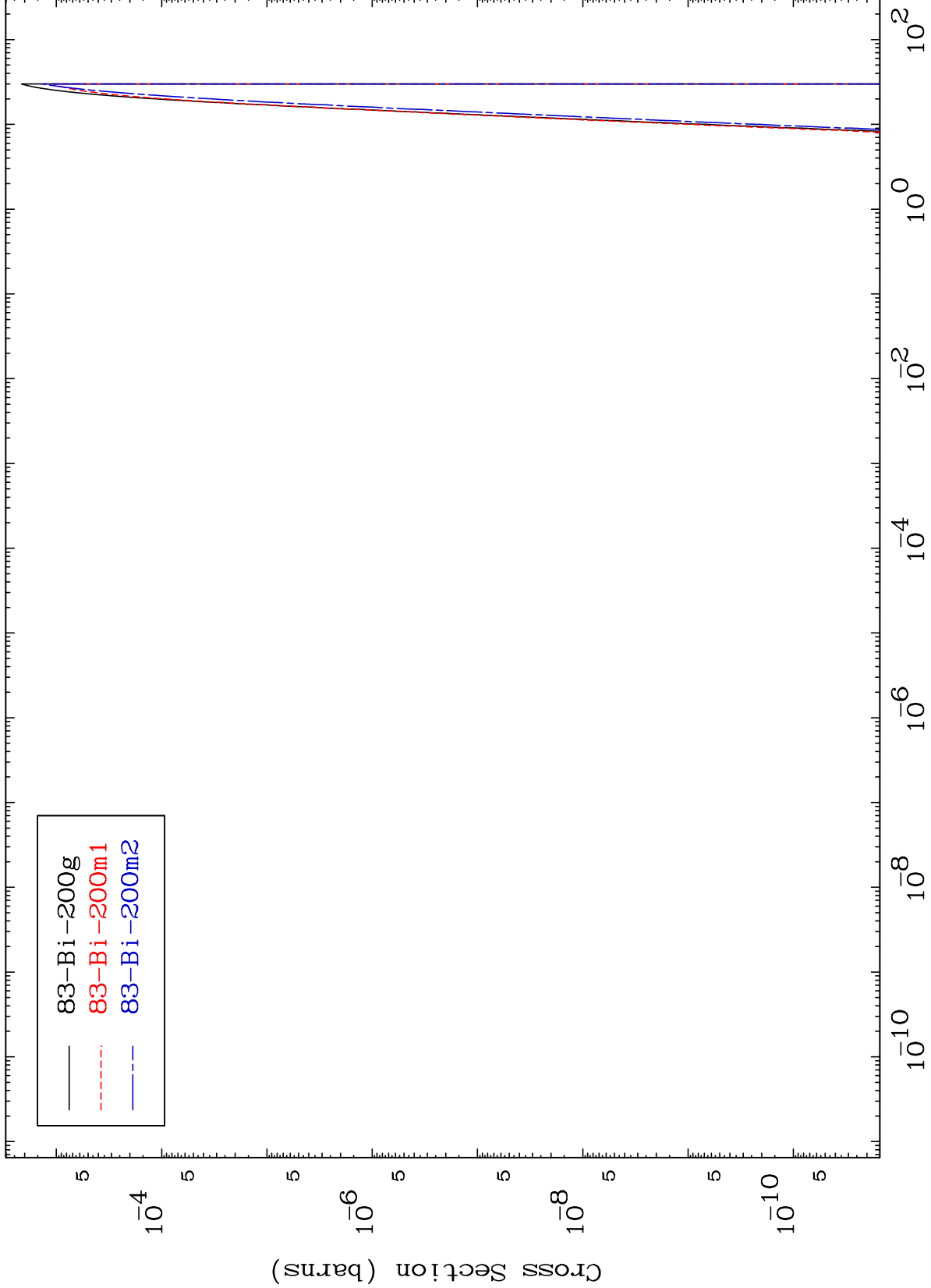
84-Po-201g
84-Po-201m3

MAT 85222

(n,He-3)

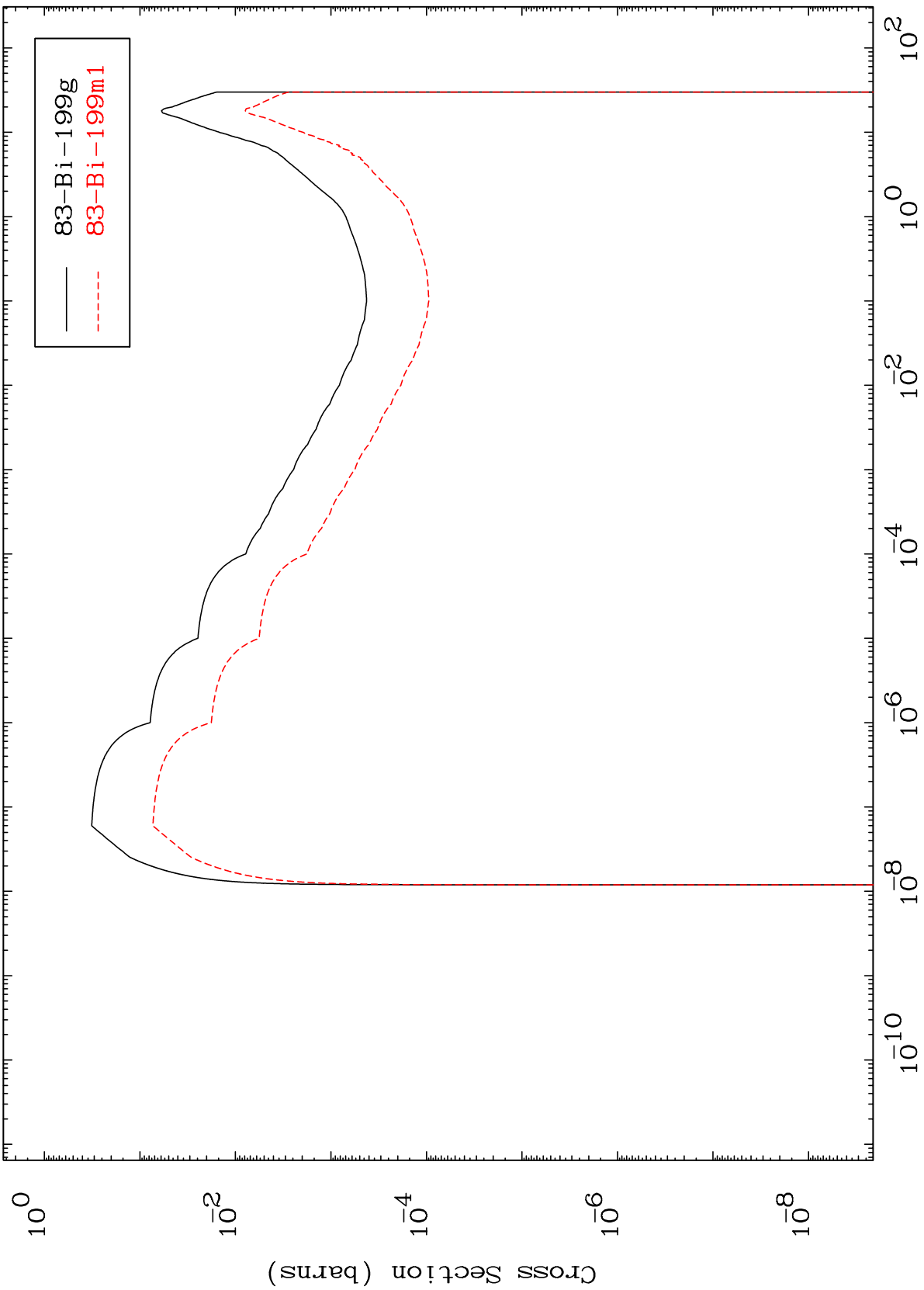
85-At-202

Radionuclide Production Cross Section



83-Bi-200g
83-Bi-200m1
83-Bi-200m2

(n, α)
Radionuclide Production Cross Section

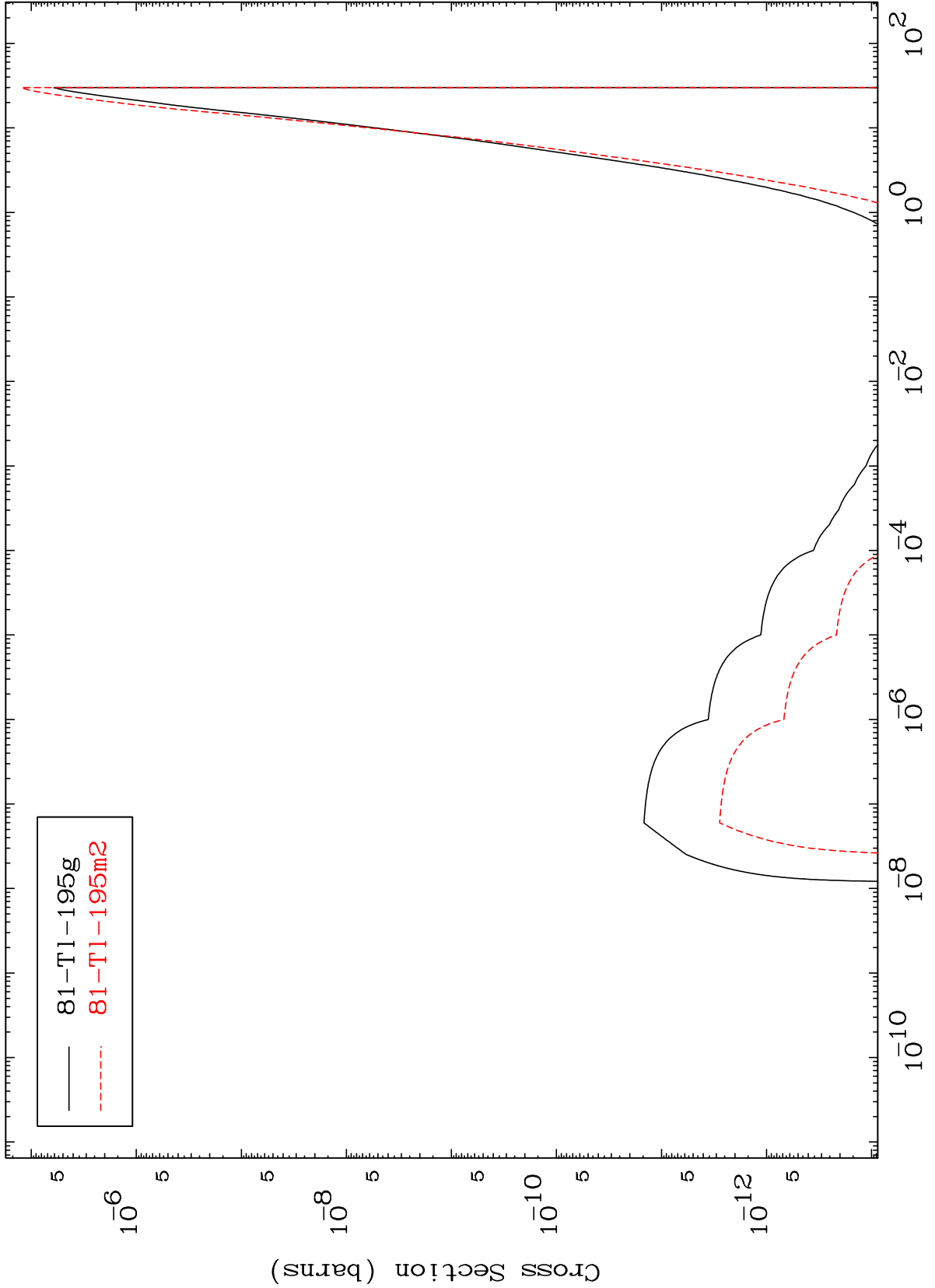
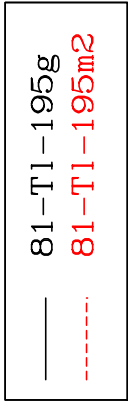


MAT 8522

(n,2α)

85-At-202

Radionuclide Production Cross Section

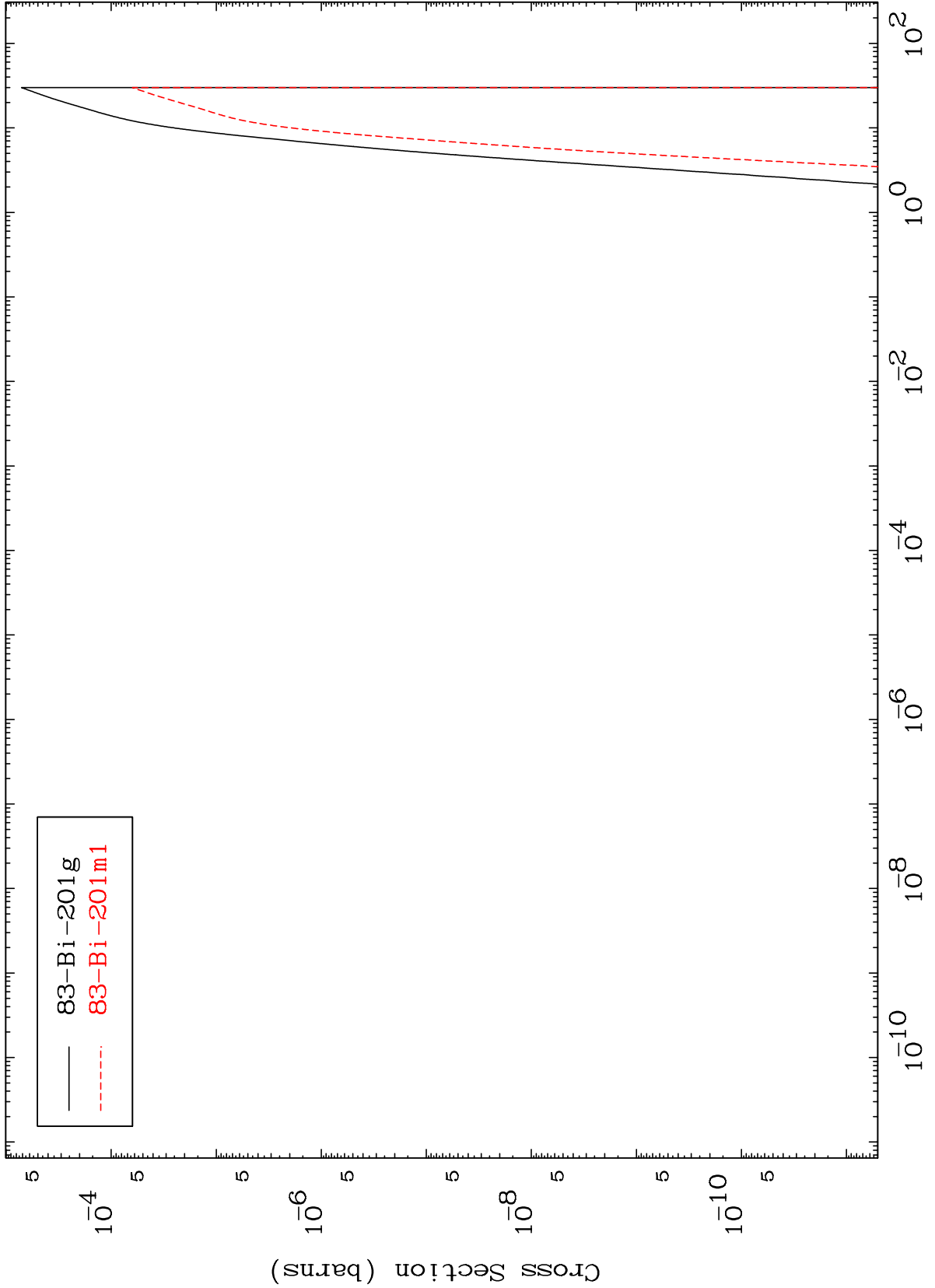


MAT 85222

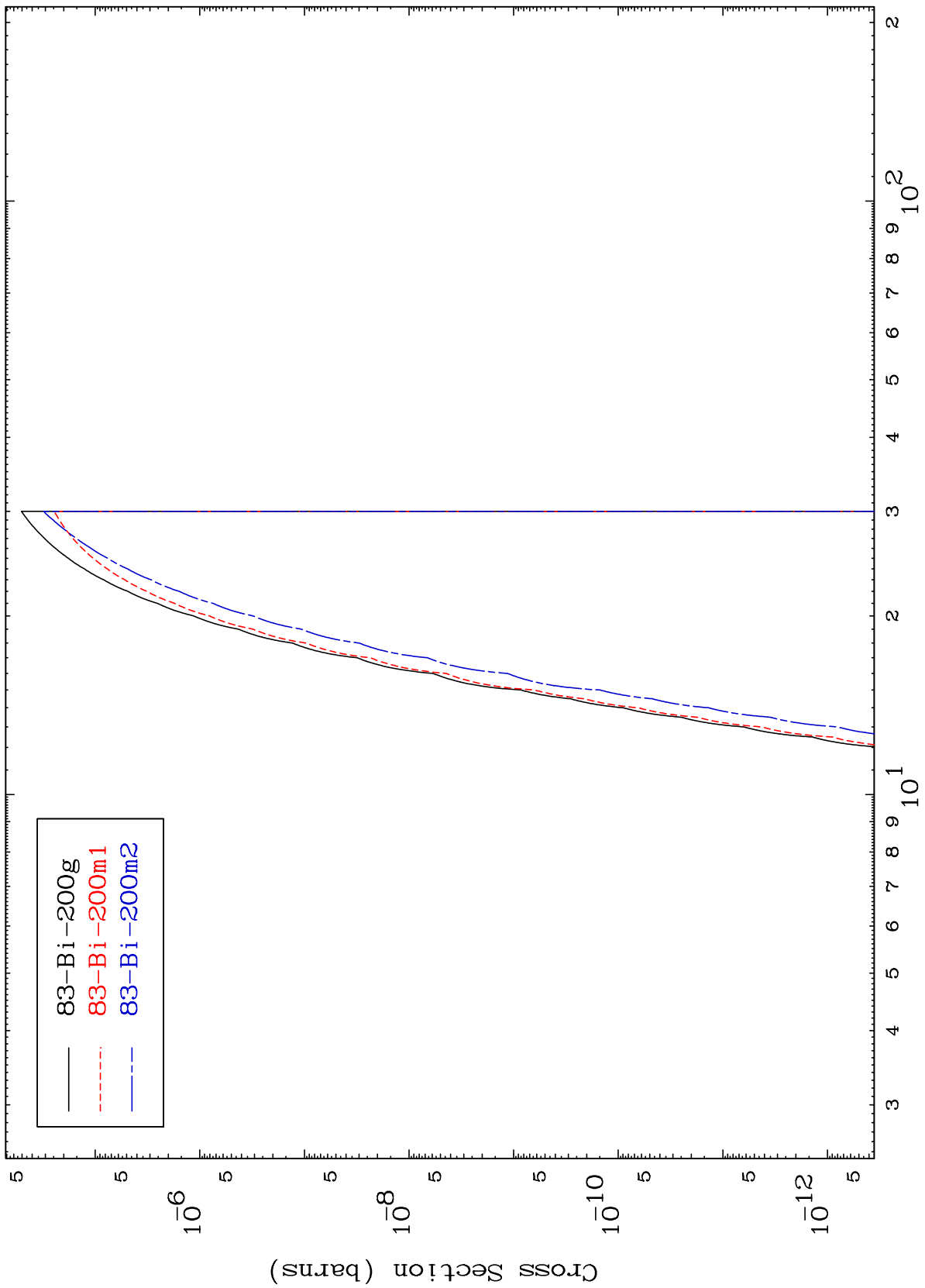
(n,2p)

85-At-202

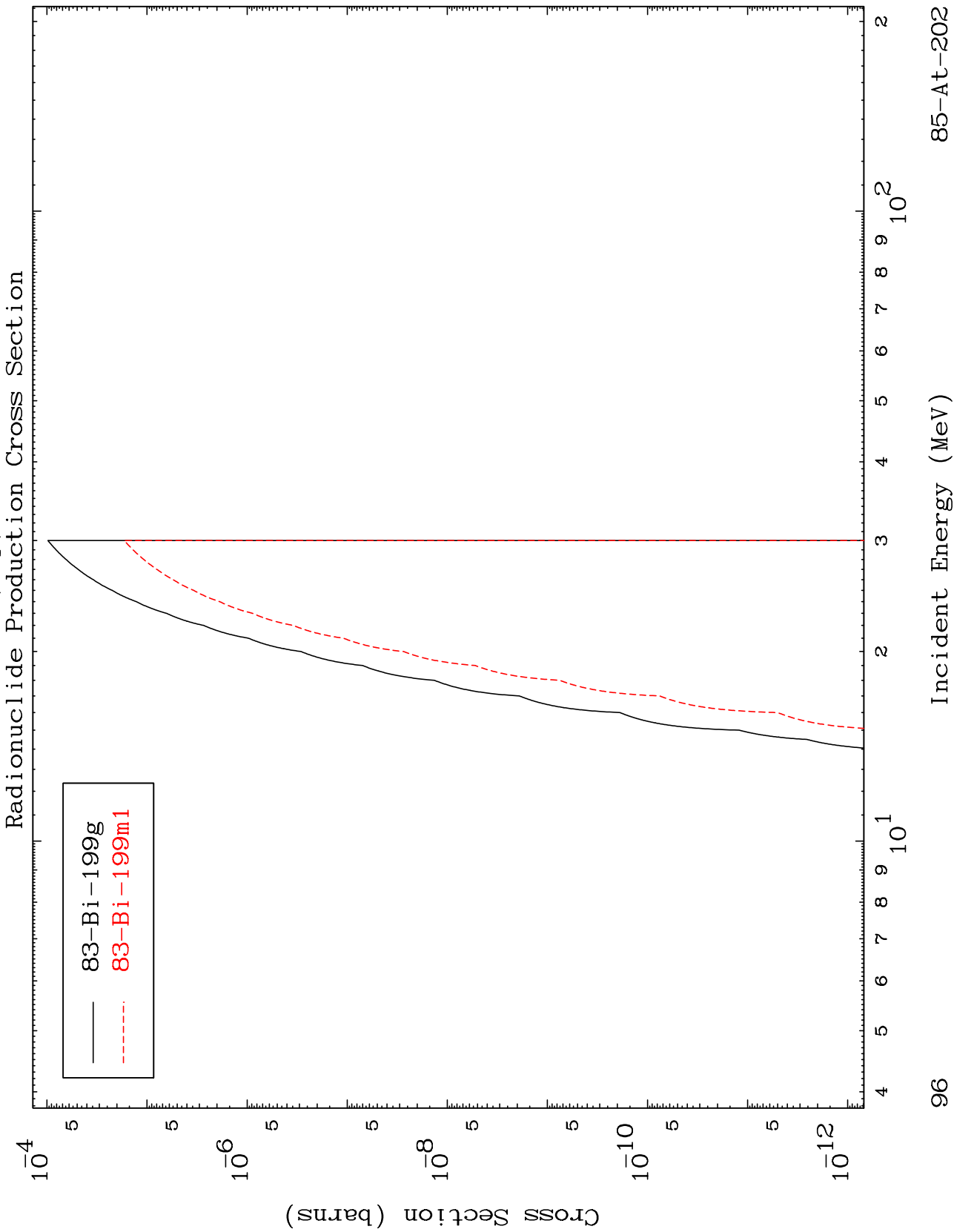
Radionuclide Production Cross Section



Radionuclide Production Cross Section



83-Bi-200g
83-Bi-200m1
83-Bi-200m2

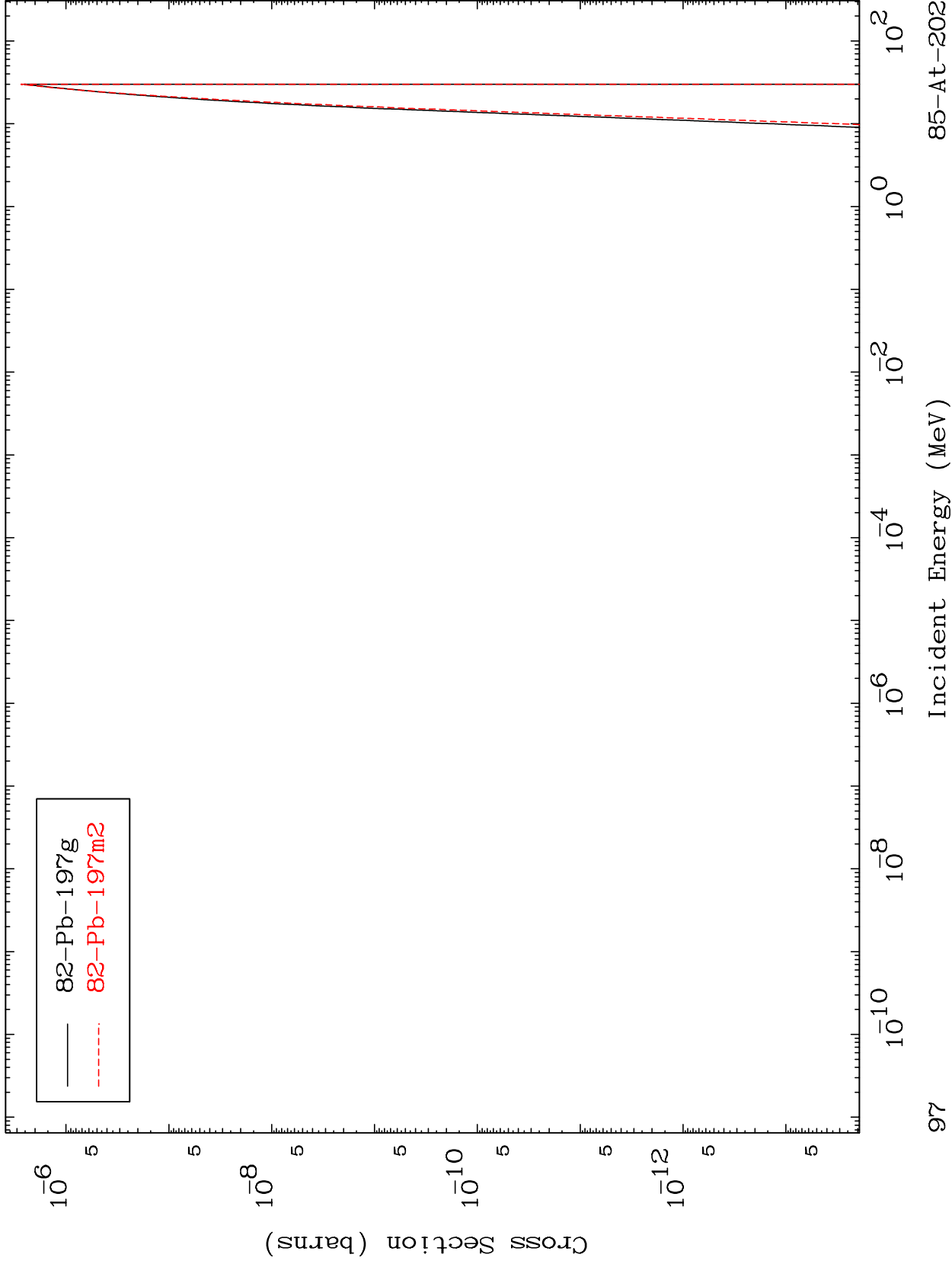


MAT 85222

(n,d) α

85-At-202

Radionuclide Production Cross Section



97

Incident Energy (MeV)

85-At-202