

Program EVALPLOT
(Version 2021-1)

by

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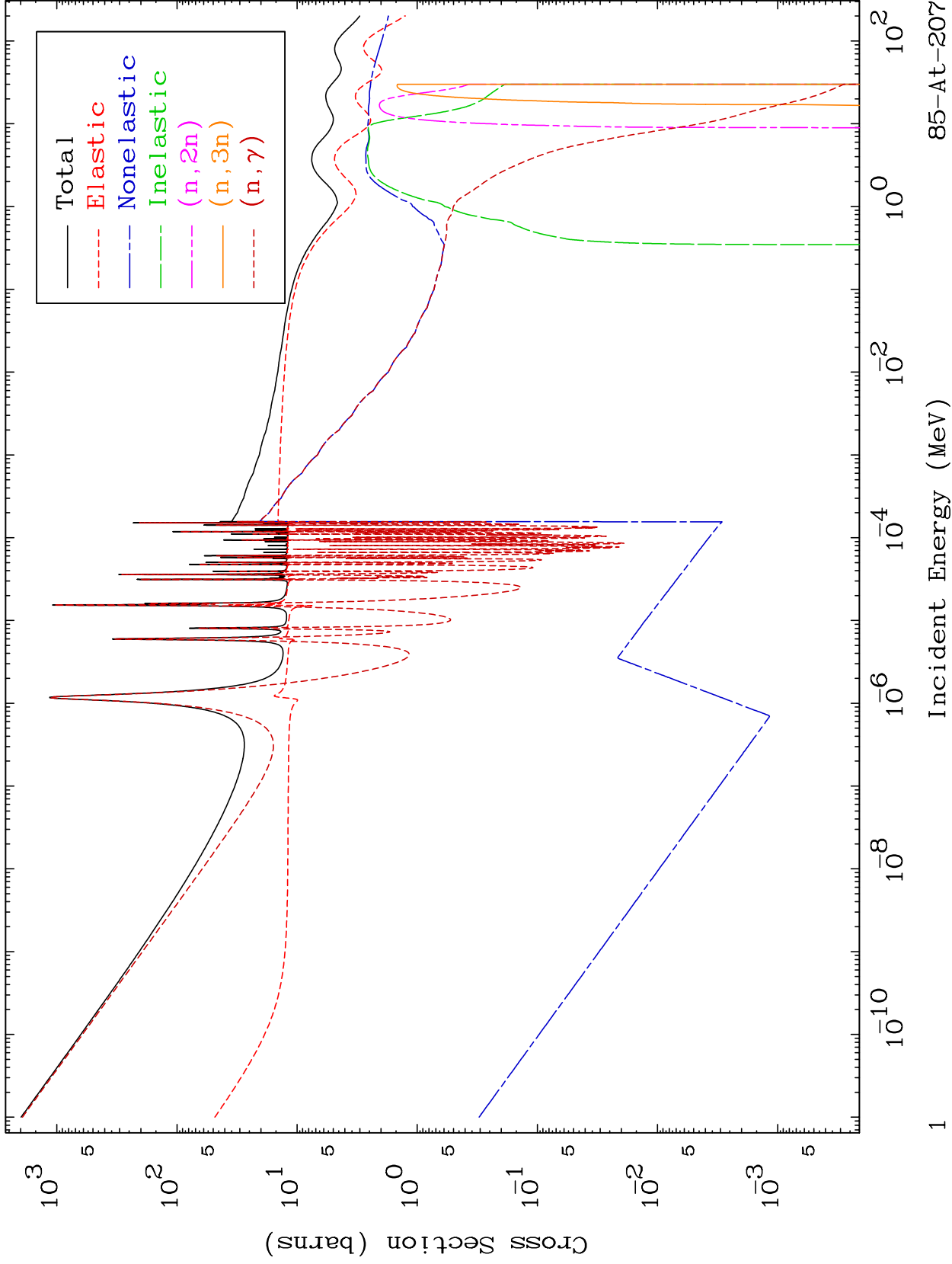
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Press Mouse Button to Start

MAT 8537

Neutron Major
293 Kelvin Cross Sections

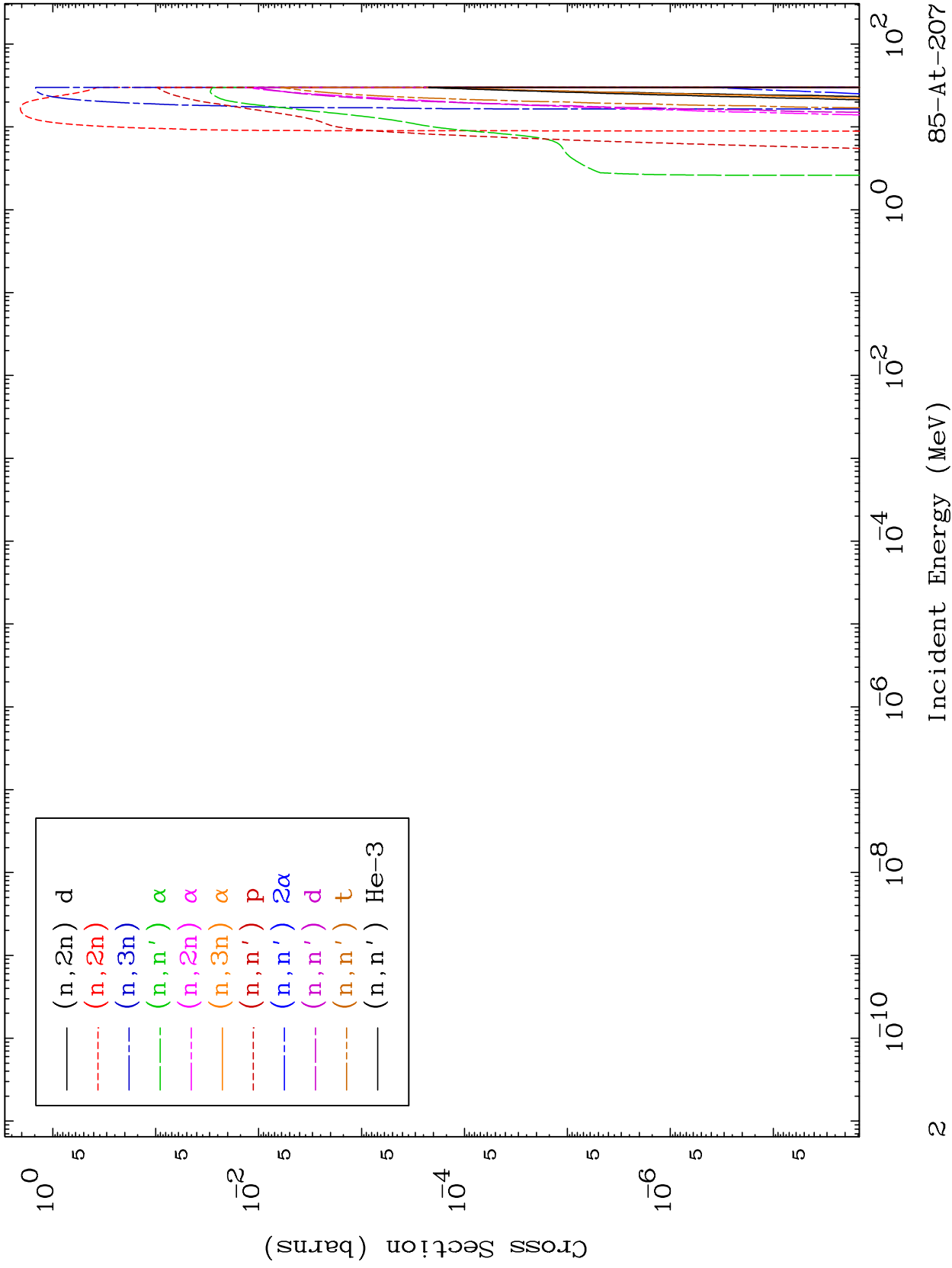
85-At-207



MAT 8537

Neutron Absorption
293 Kelvin Cross Sections

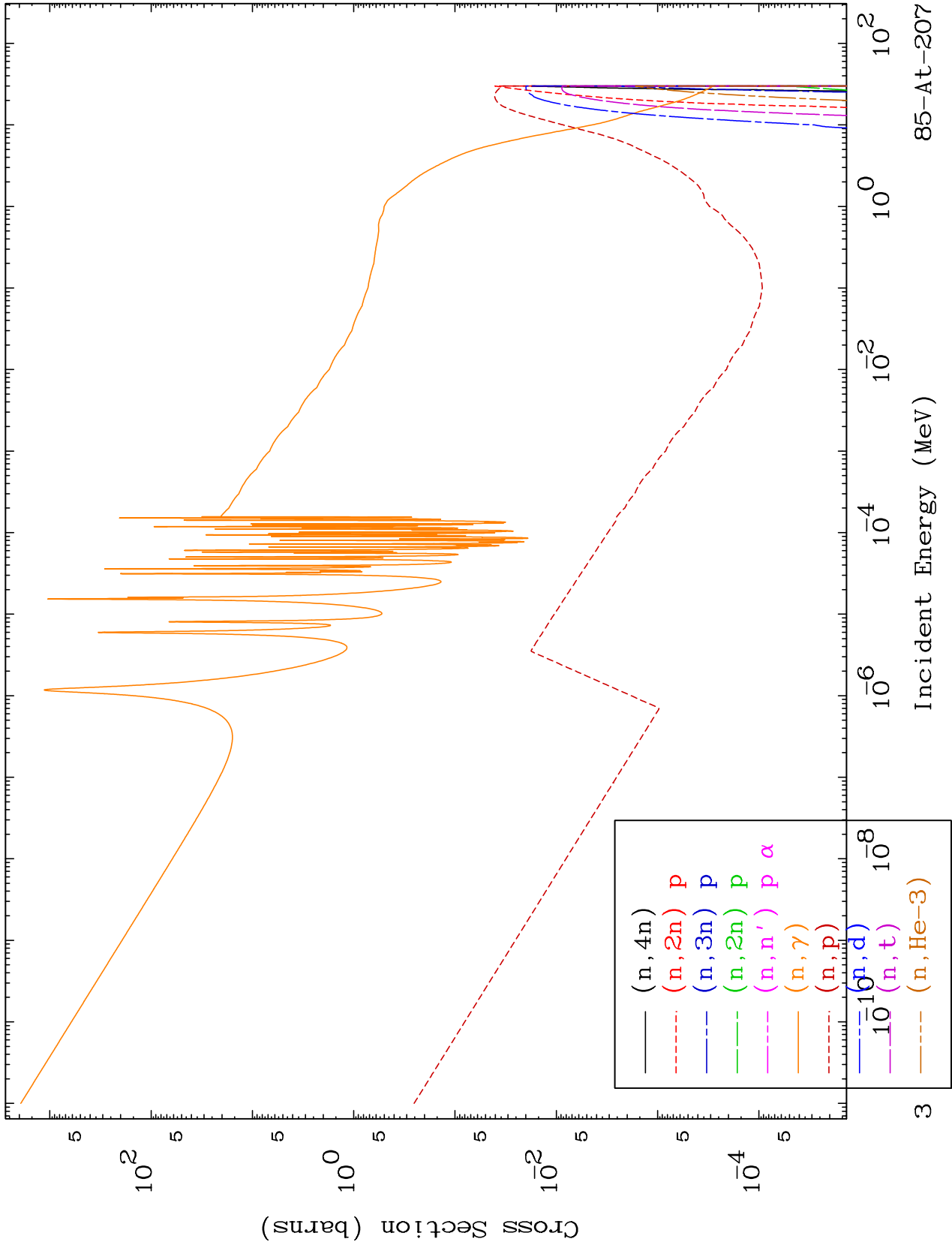
85-At-207

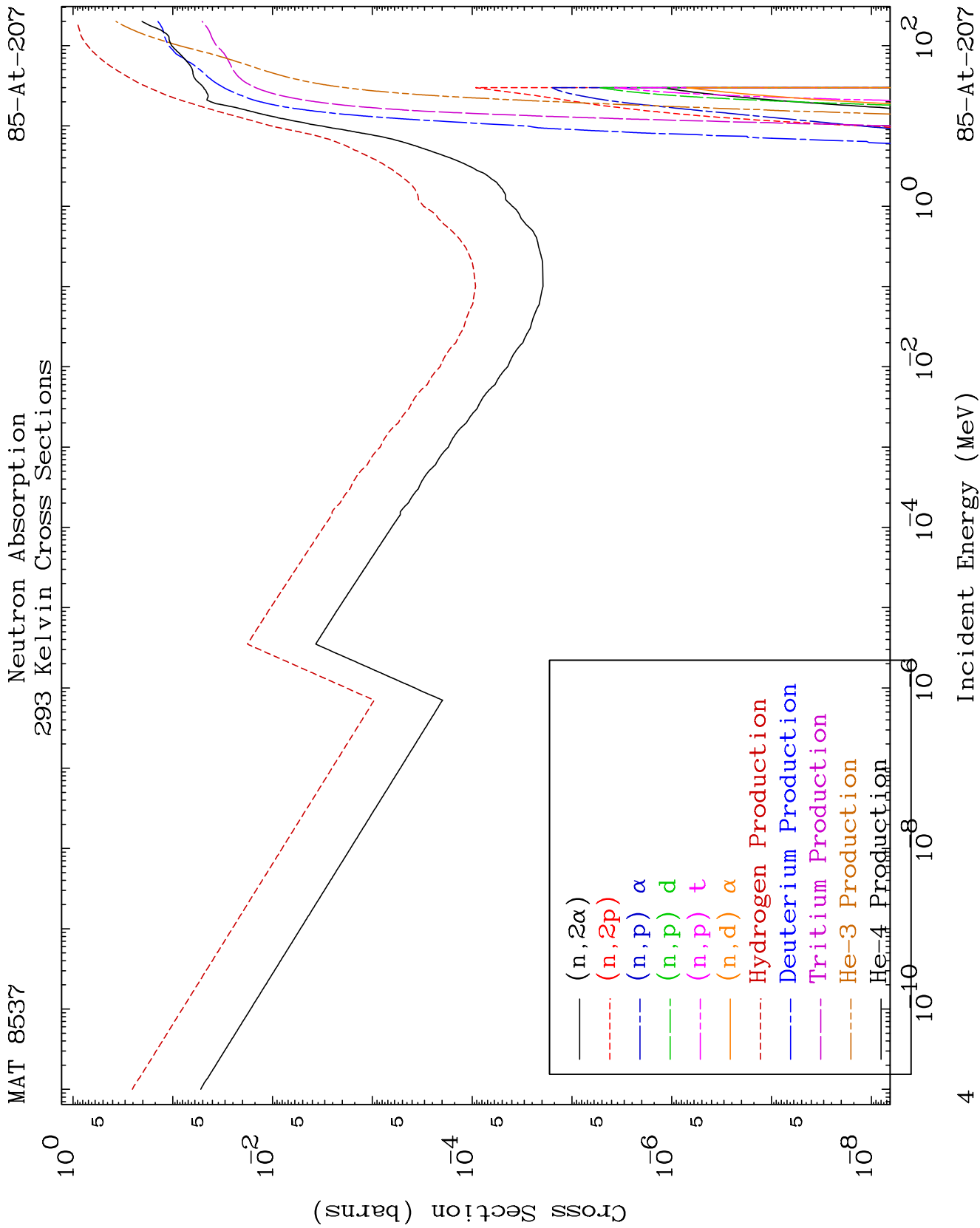


MAT 8537

Neutron Absorption
293 Kelvin Cross Sections

85-At-207

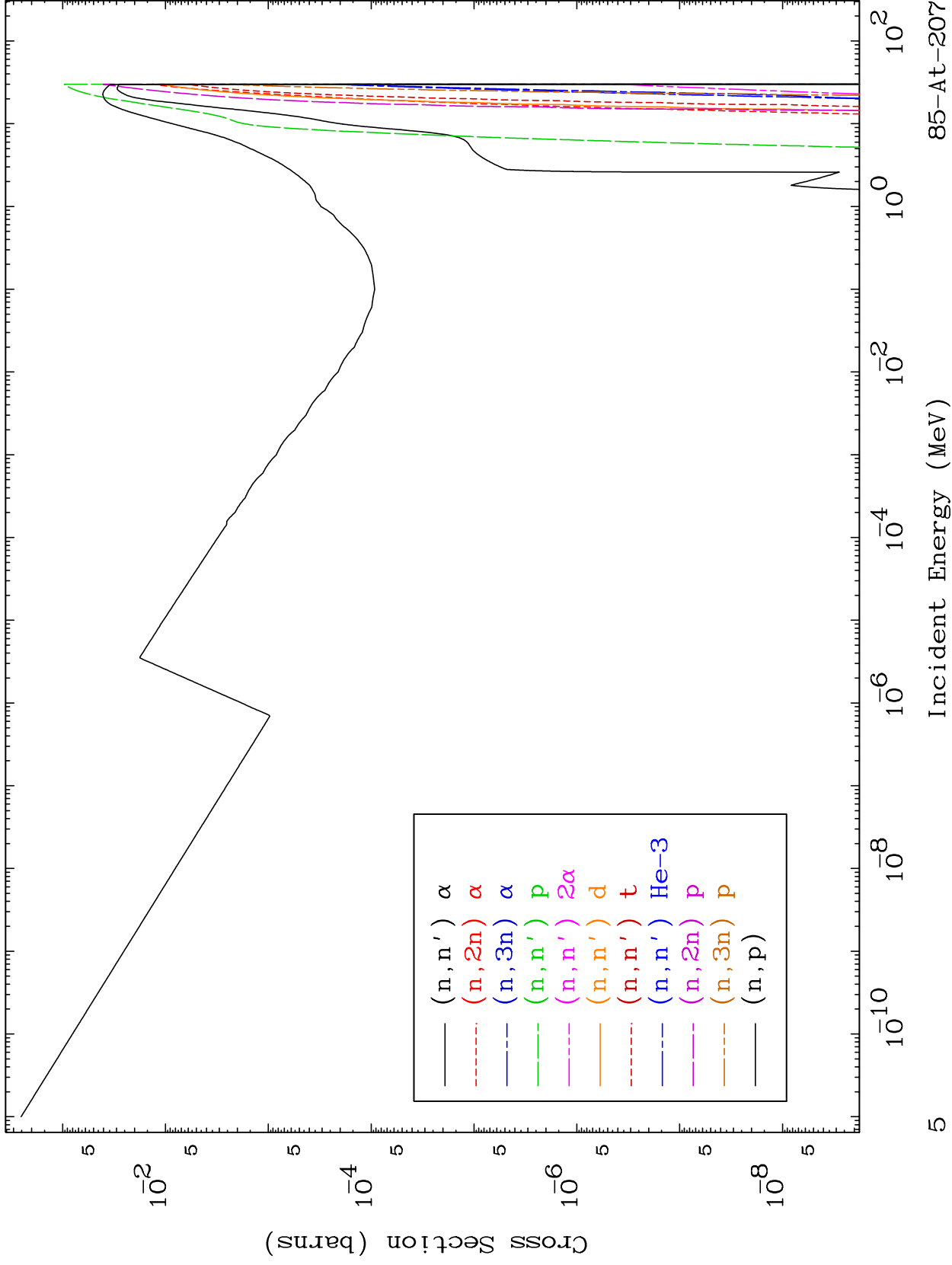




MAT 8537

Charged Particle
293 Kelvin Cross Sections

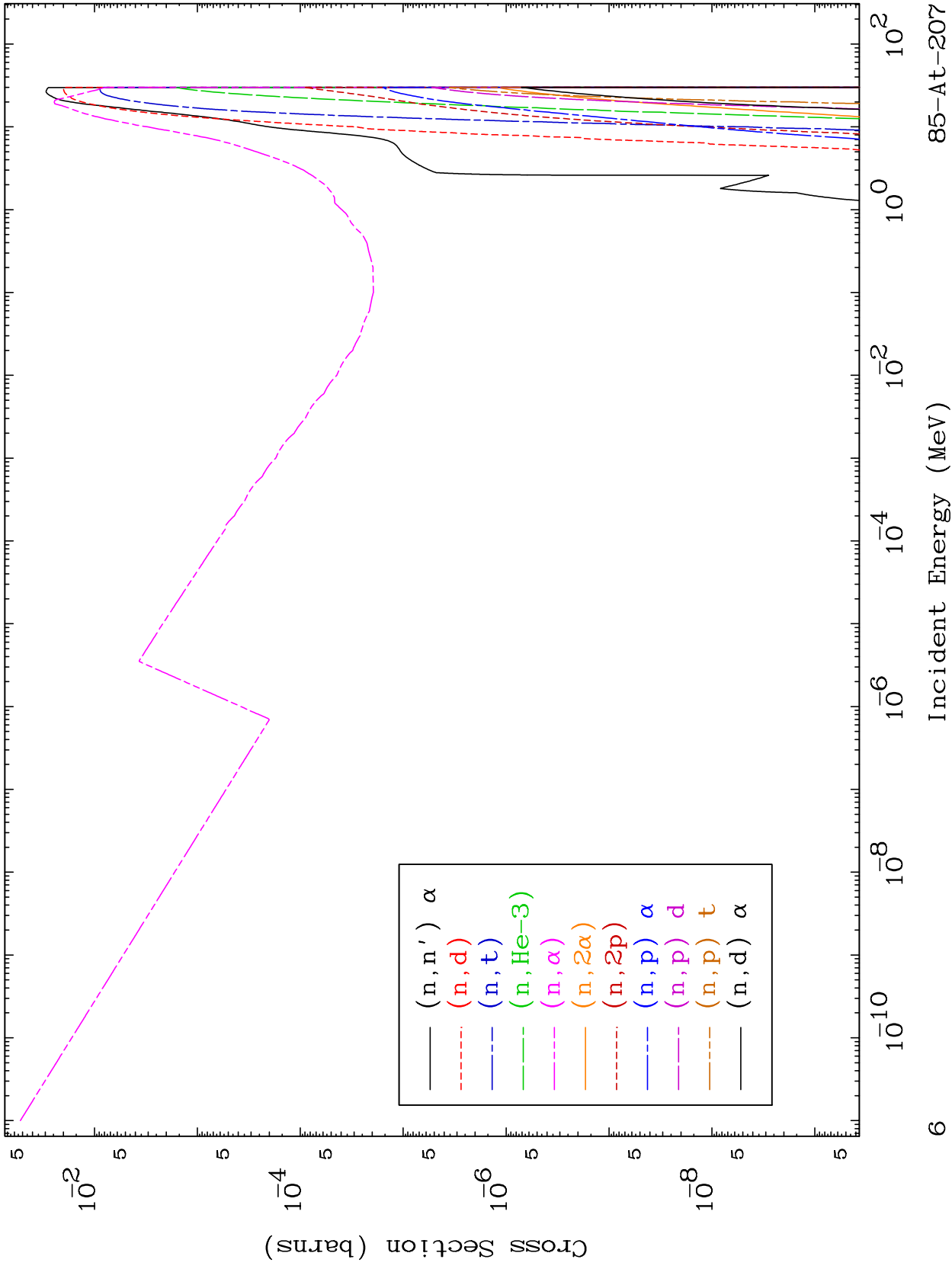
85-At-207



MAT 8537

Charged Particle
293 Kelvin Cross Sections

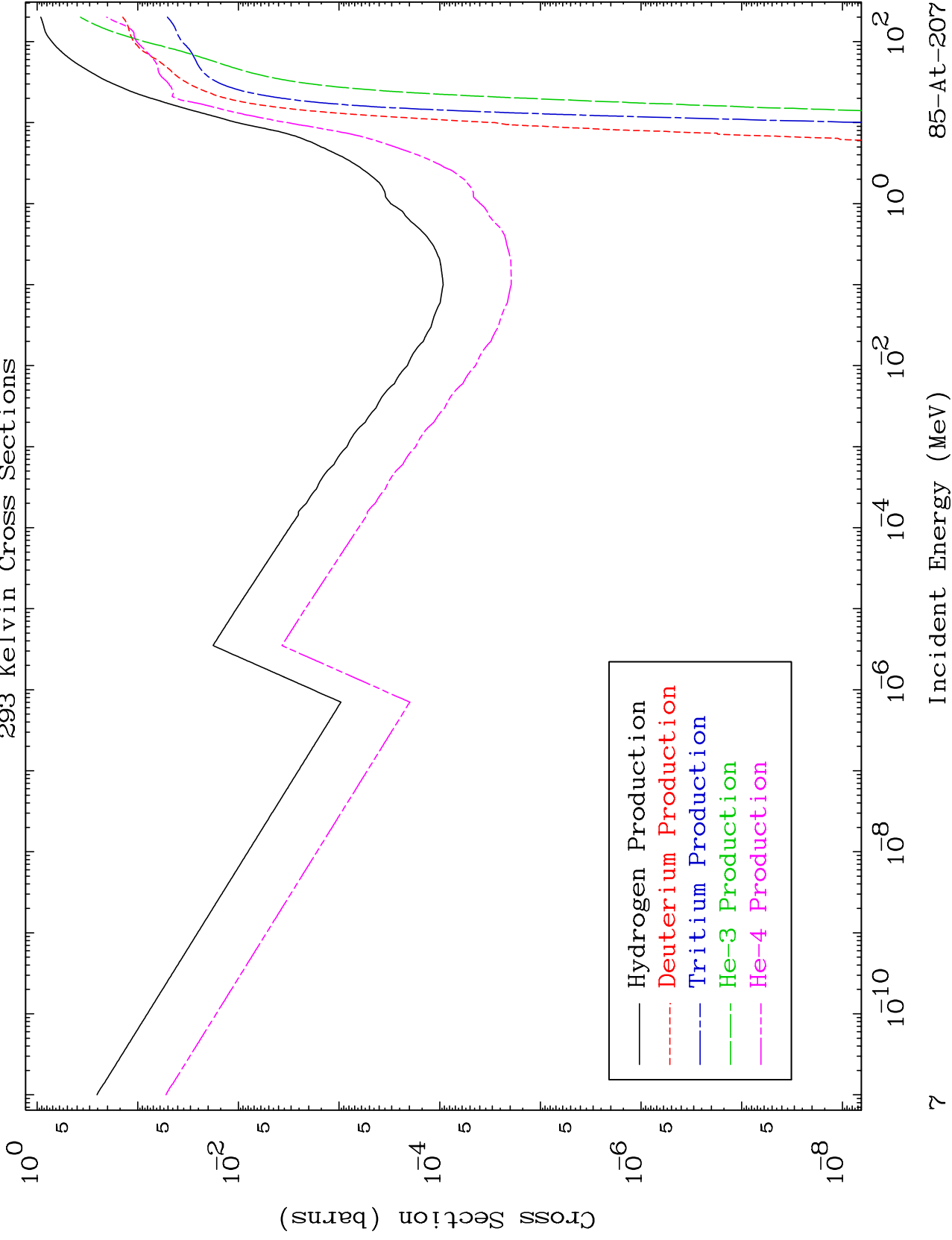
85-At-207



MAT 8537

Particle Production
293 Kelvin Cross Sections

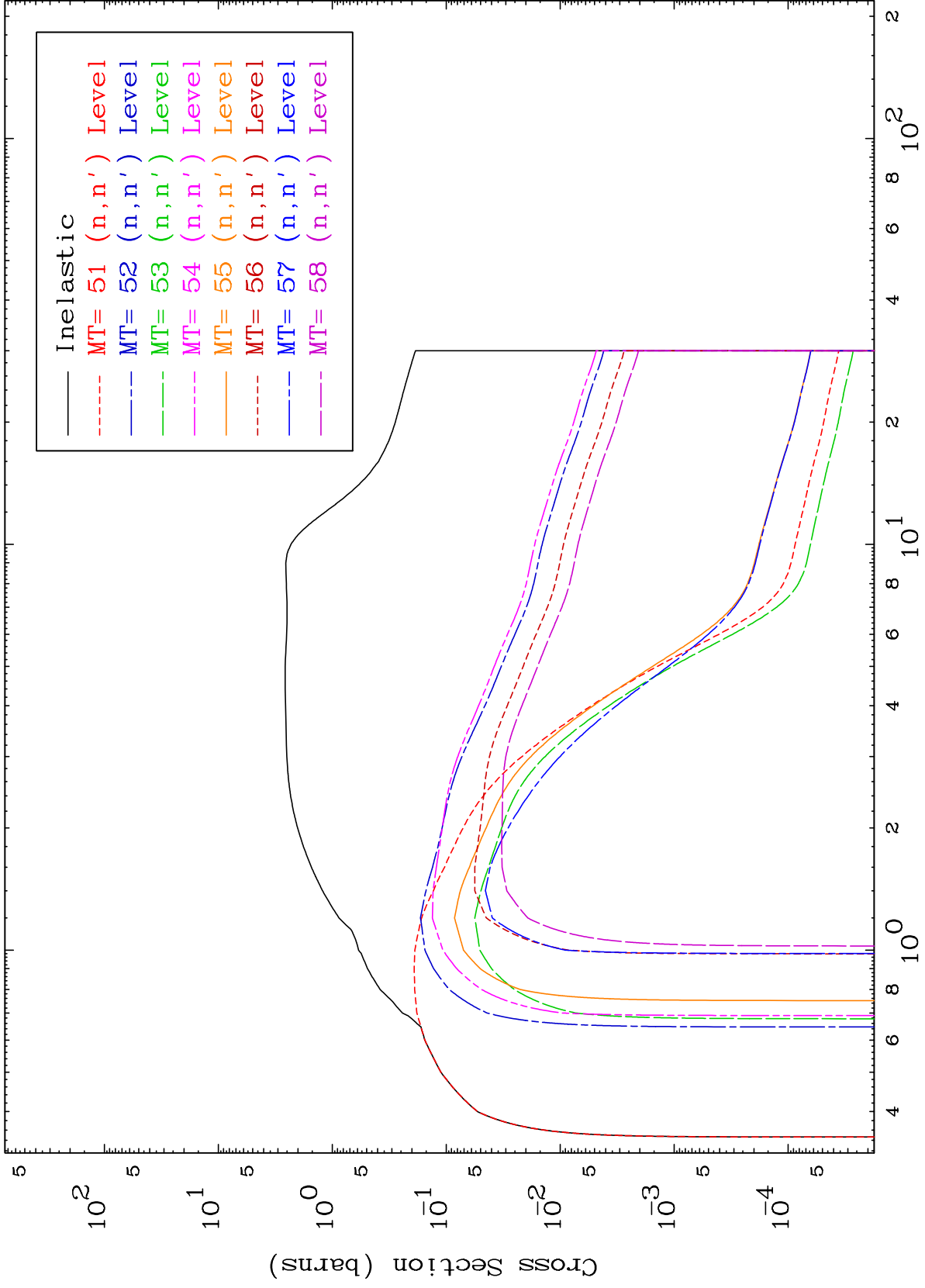
85-At-207



MAT 8537

(n,n') Levels
293 Kelvin Cross Sections

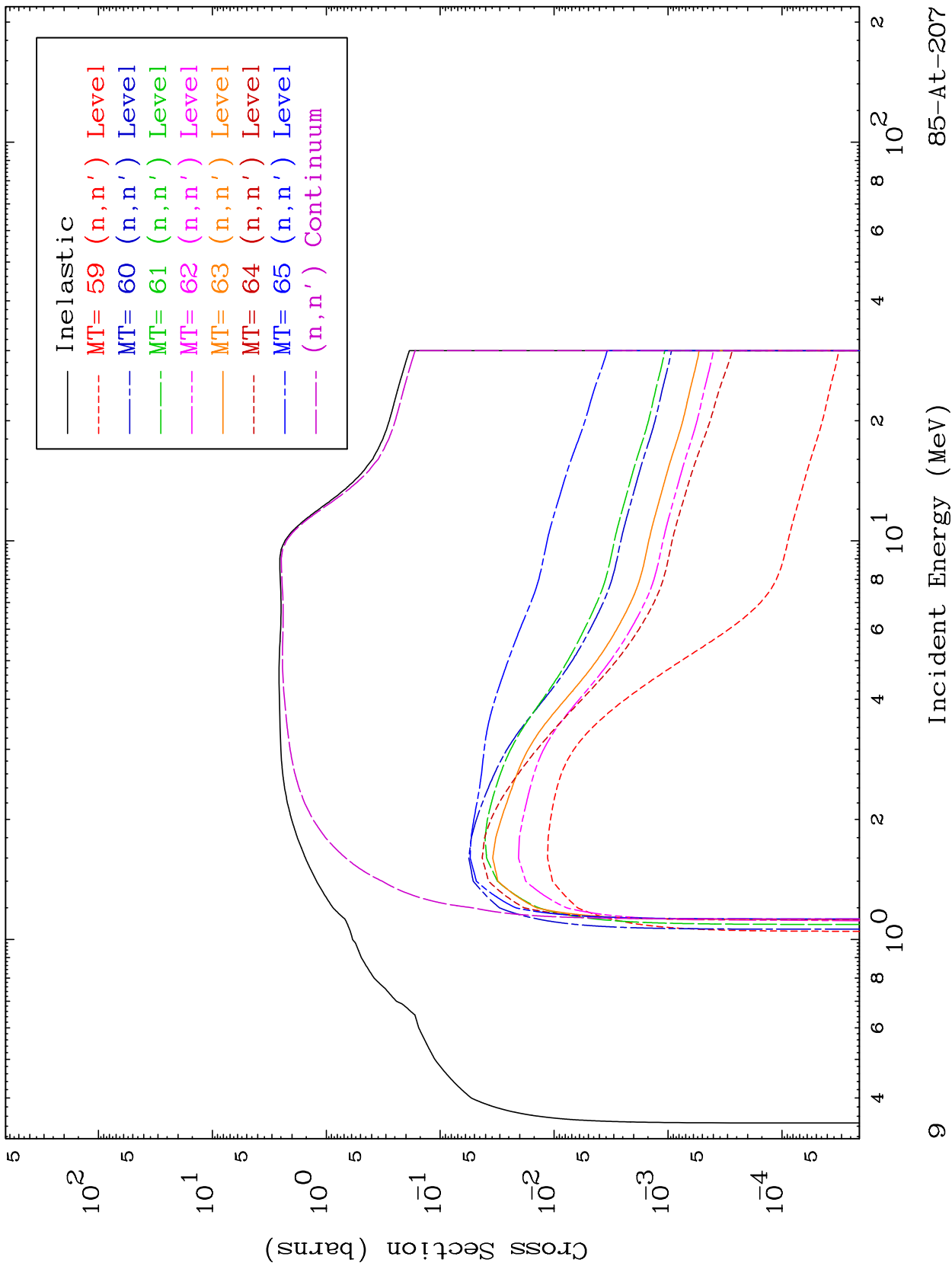
85-At-207



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Incident Energy (MeV)

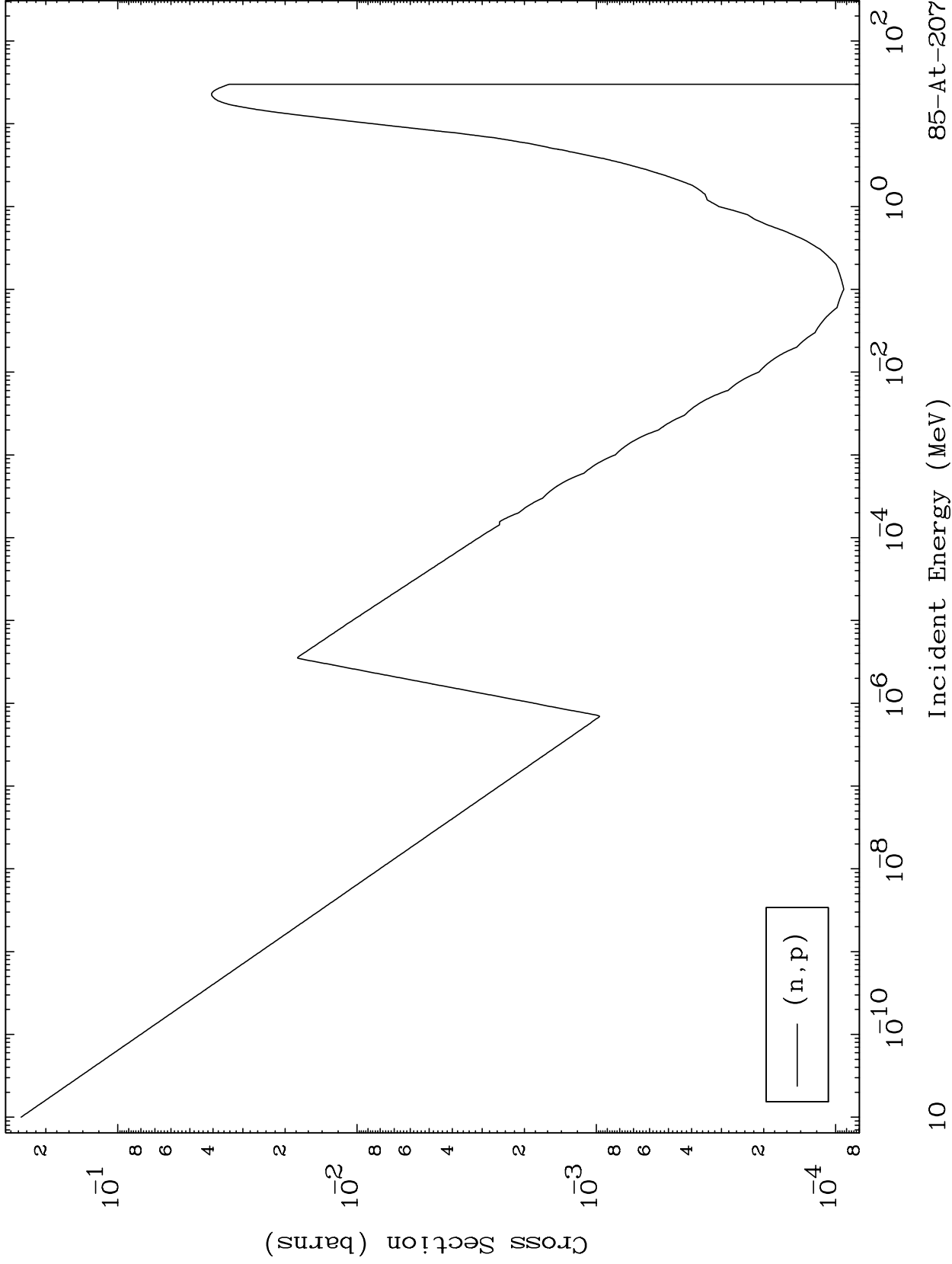
85-At-207



MAT 8537

(n,p) Levels
293 Kelvin Cross Sections

85-At-207



10

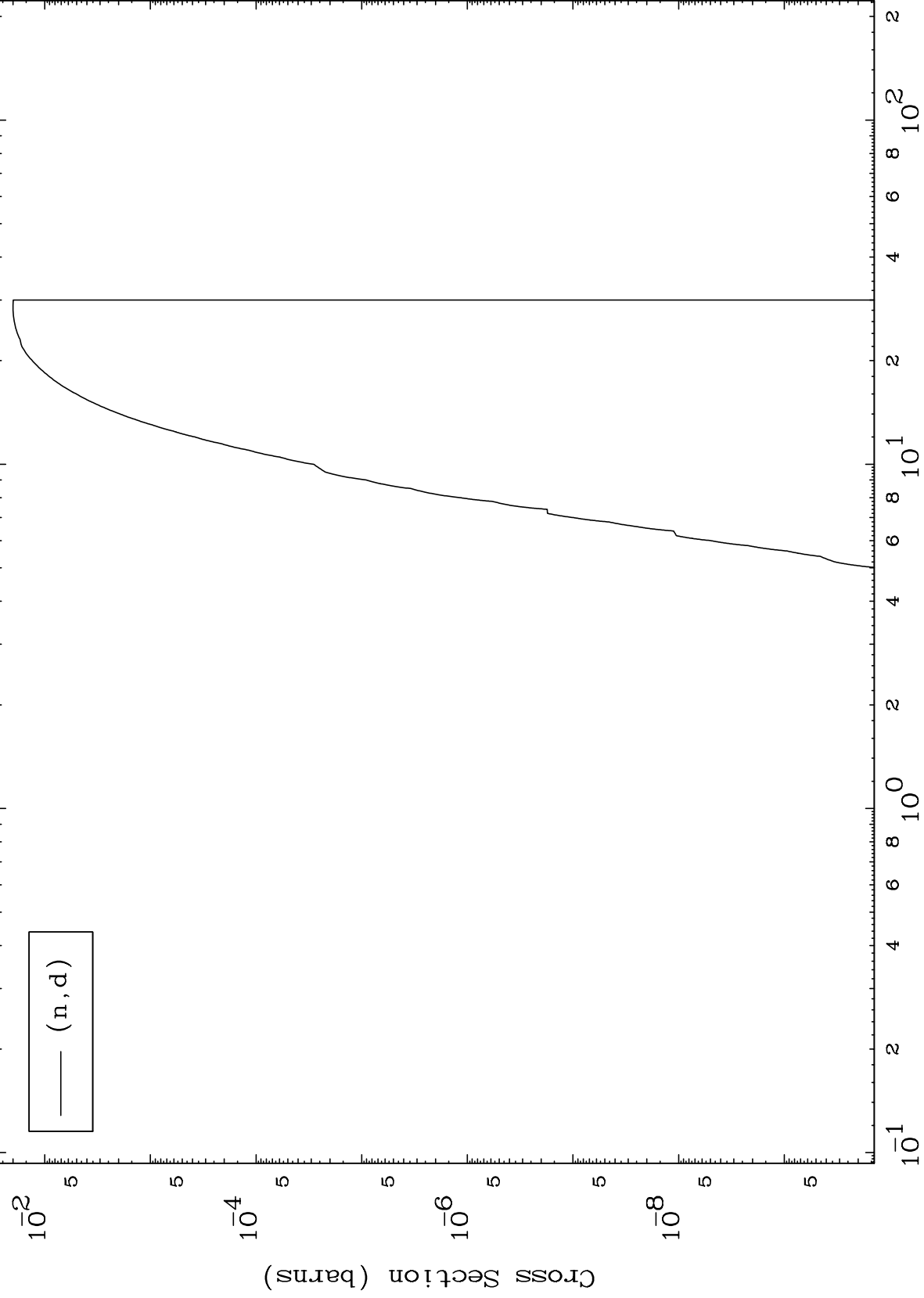
Incident Energy (MeV)

85-At-207

MAT 8537

(n,d) Levels
293 Kelvin Cross Sections

85-At-207



11

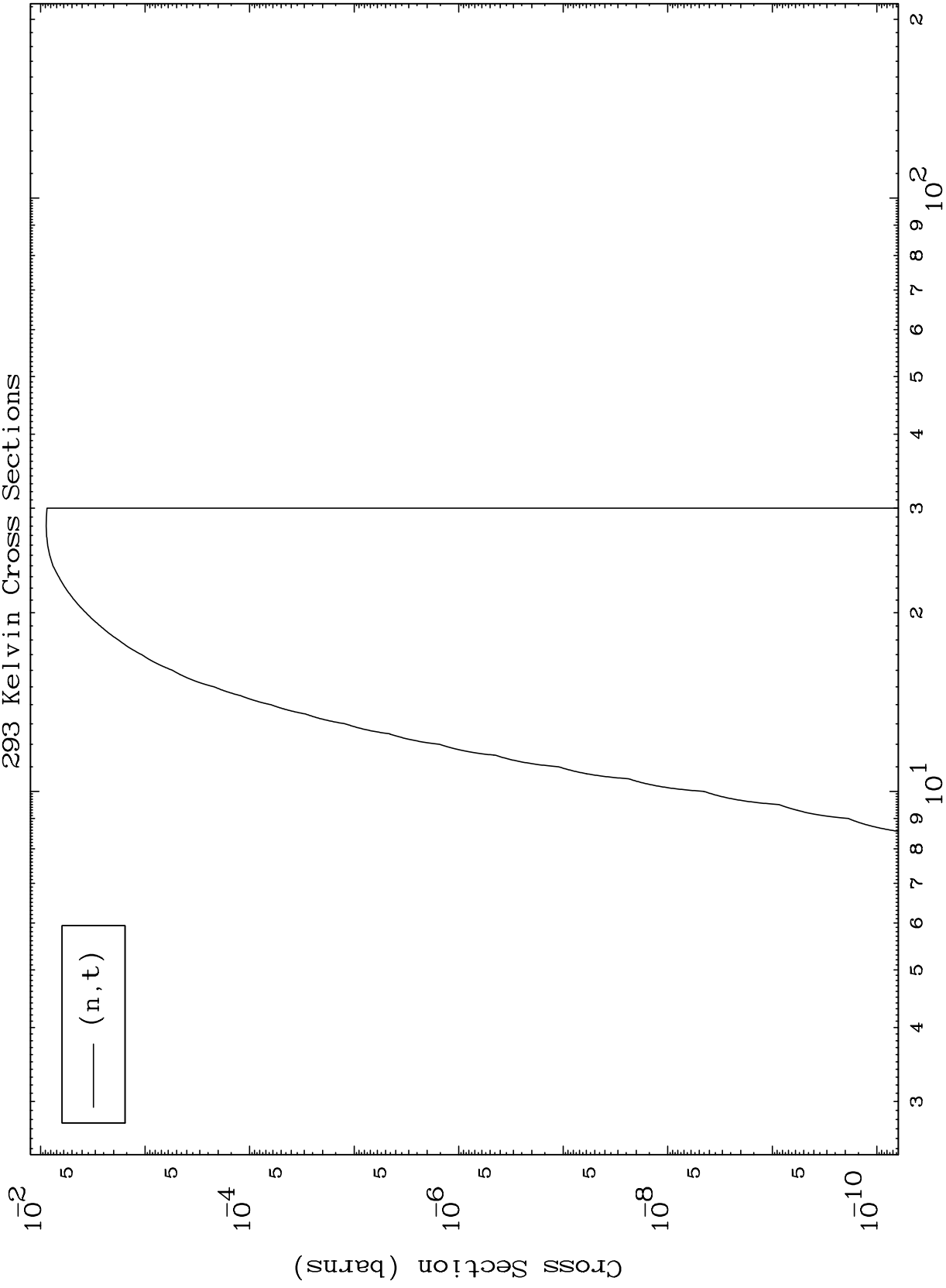
Incident Energy (MeV)

85-At-207

MAT 8537

(n,t) Levels
293 Kelvin Cross Sections

85-At-207



12

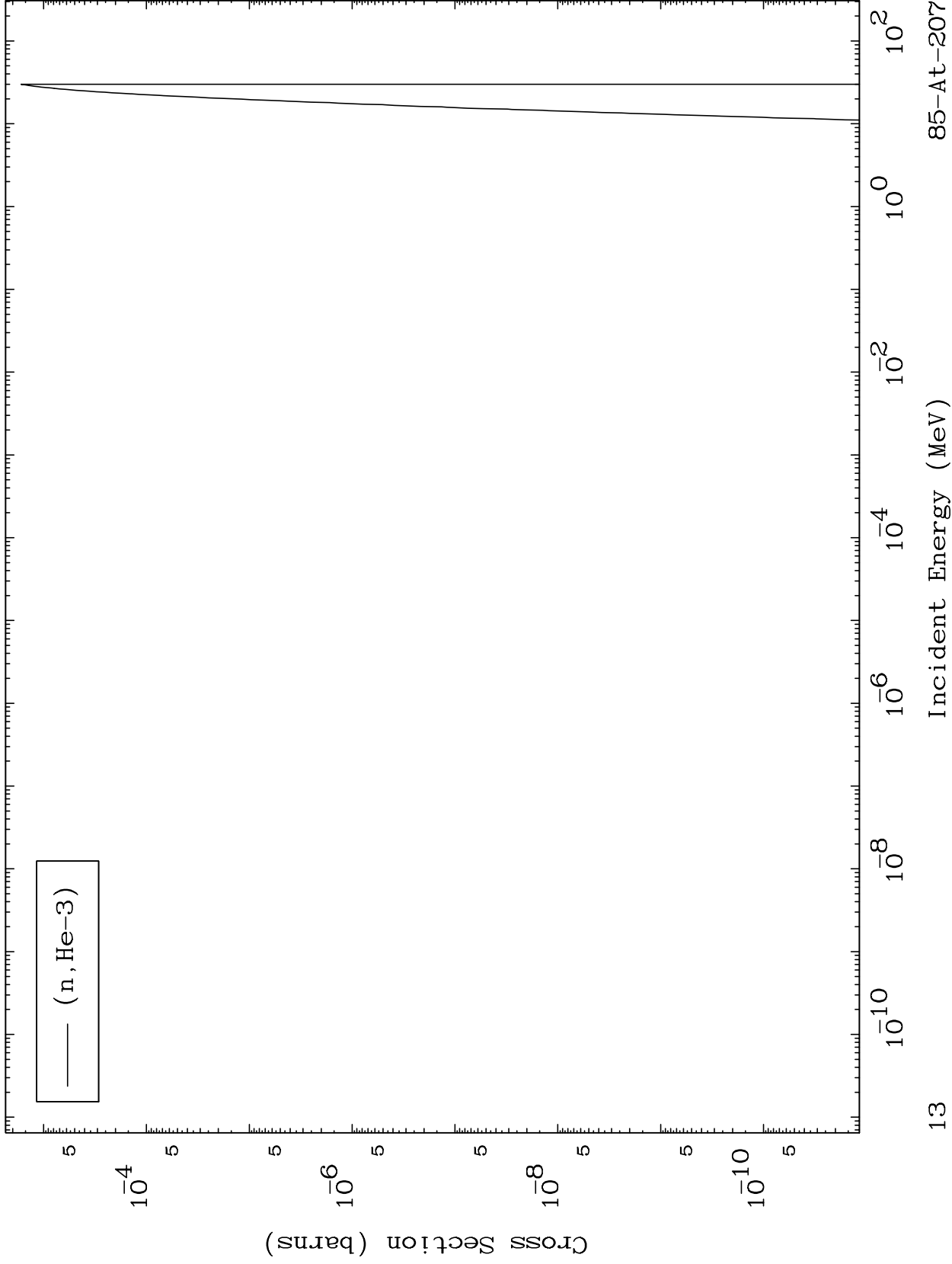
Incident Energy (MeV)

85-At-207

MAT 8537

(n,He3) Levels
293 Kelvin Cross Sections

85-At-207



13

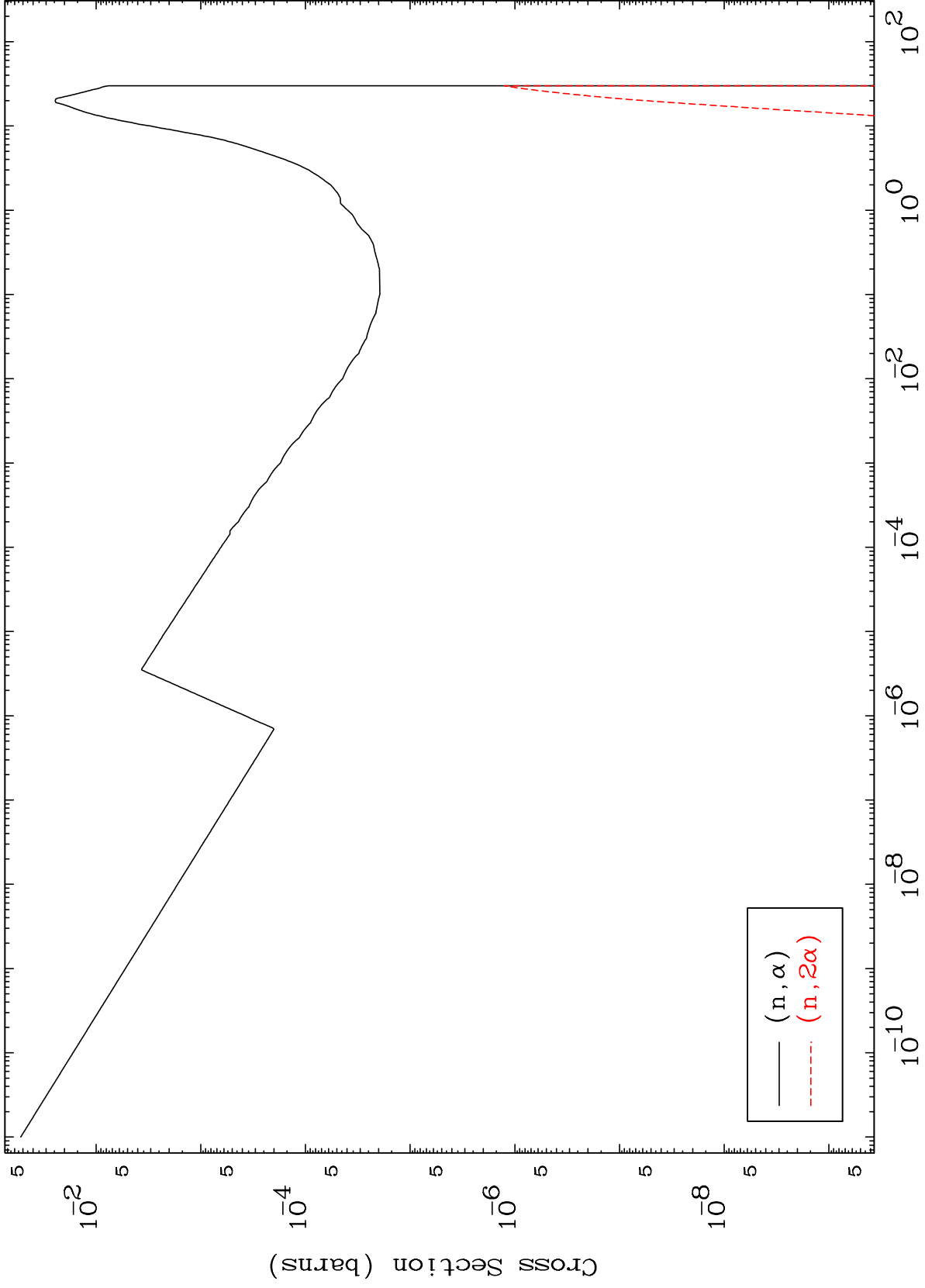
Incident Energy (MeV)

85-At-207

MAT 8537

(n,α) Levels
293 Kelvin Cross Sections

85-At-207



14

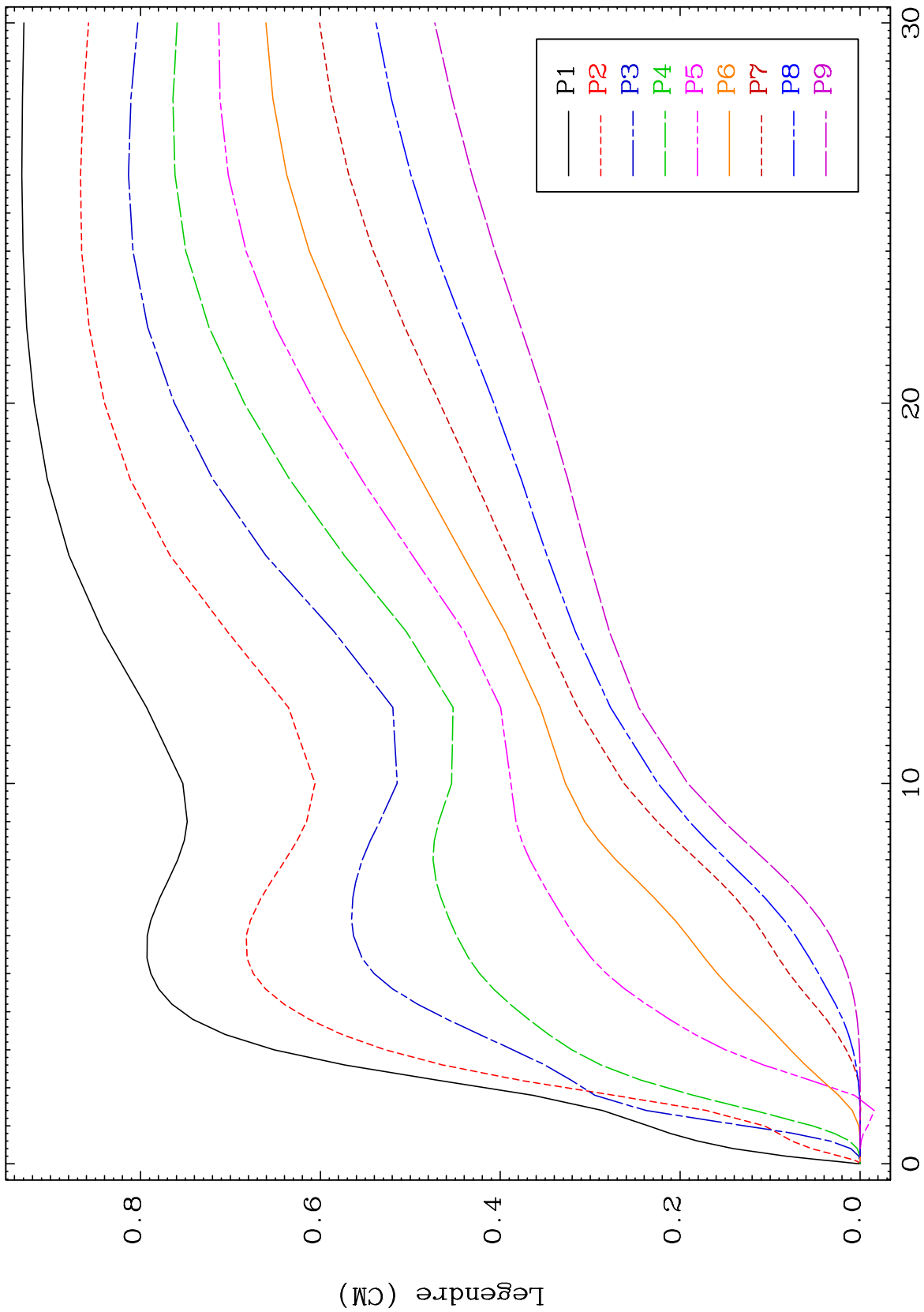
Incident Energy (MeV)

85-At-207

MAT 8537

85-At-207

Elastic Legendre Coefficients



85-At-207

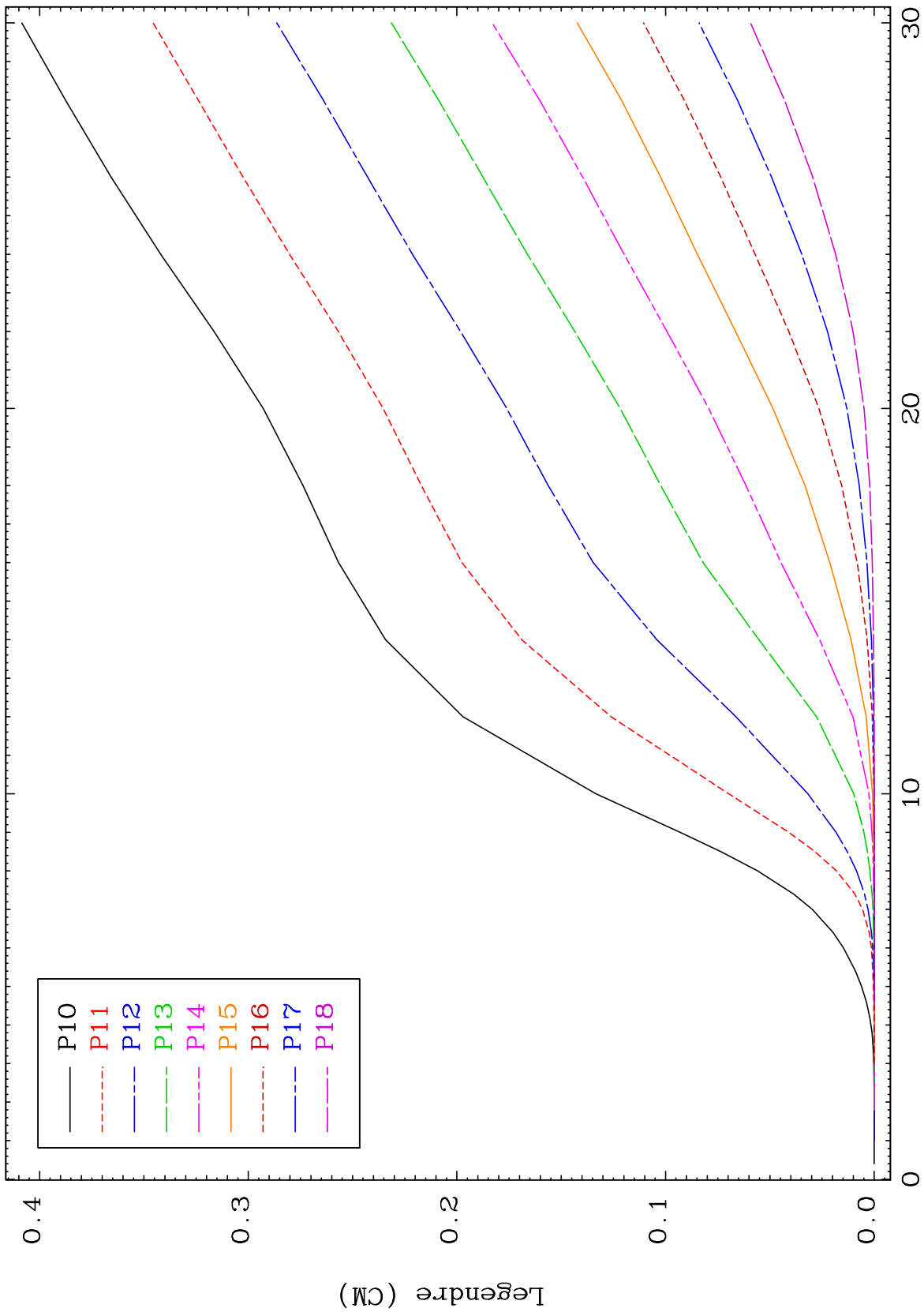
Incident Energy (MeV)

0

MAT 8537

Elastic Legendre Coefficients

85-At-207



16

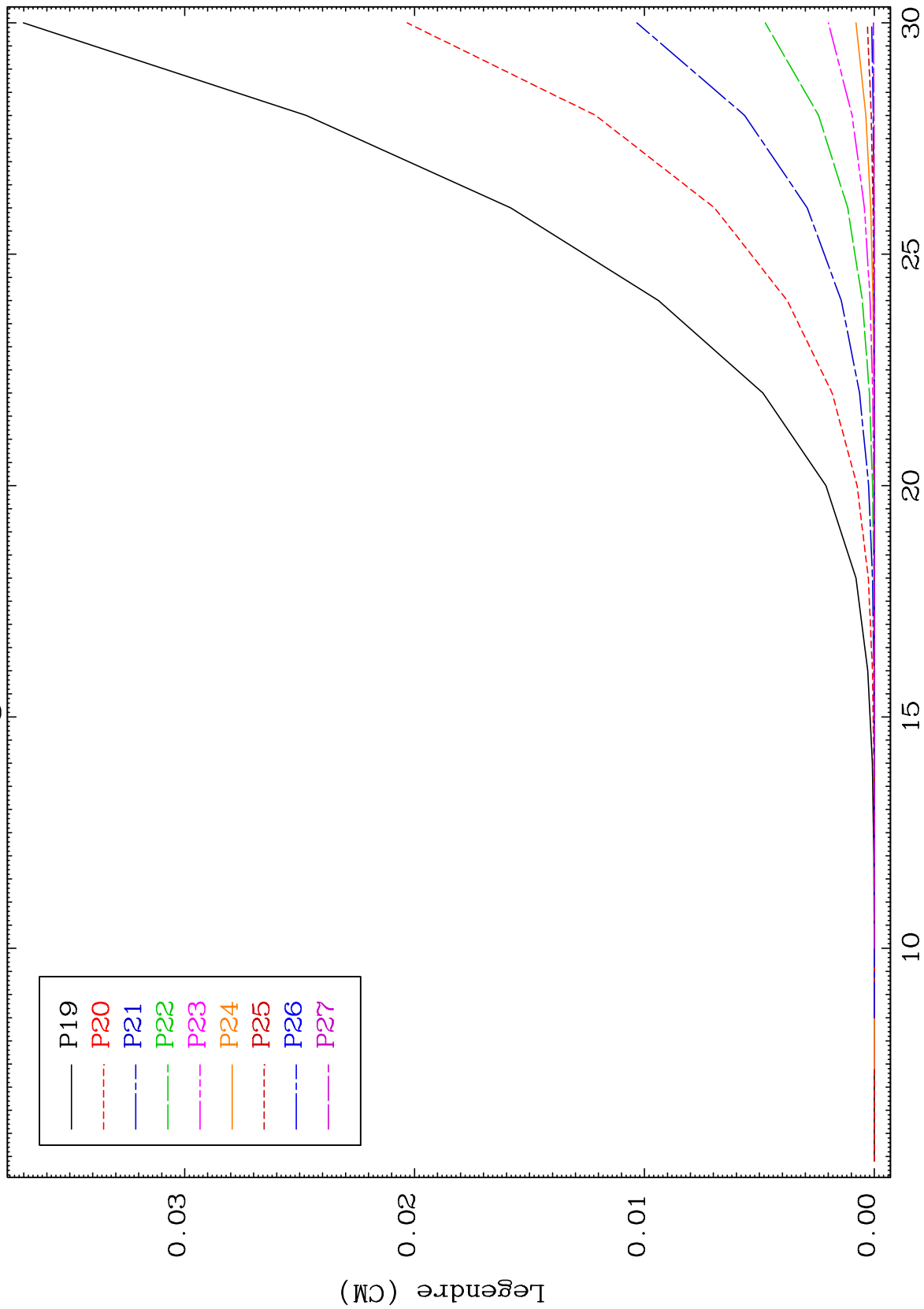
Incident Energy (MeV)

85-At-207

MAT 8537

Elastic Legendre Coefficients

85-At-207



17

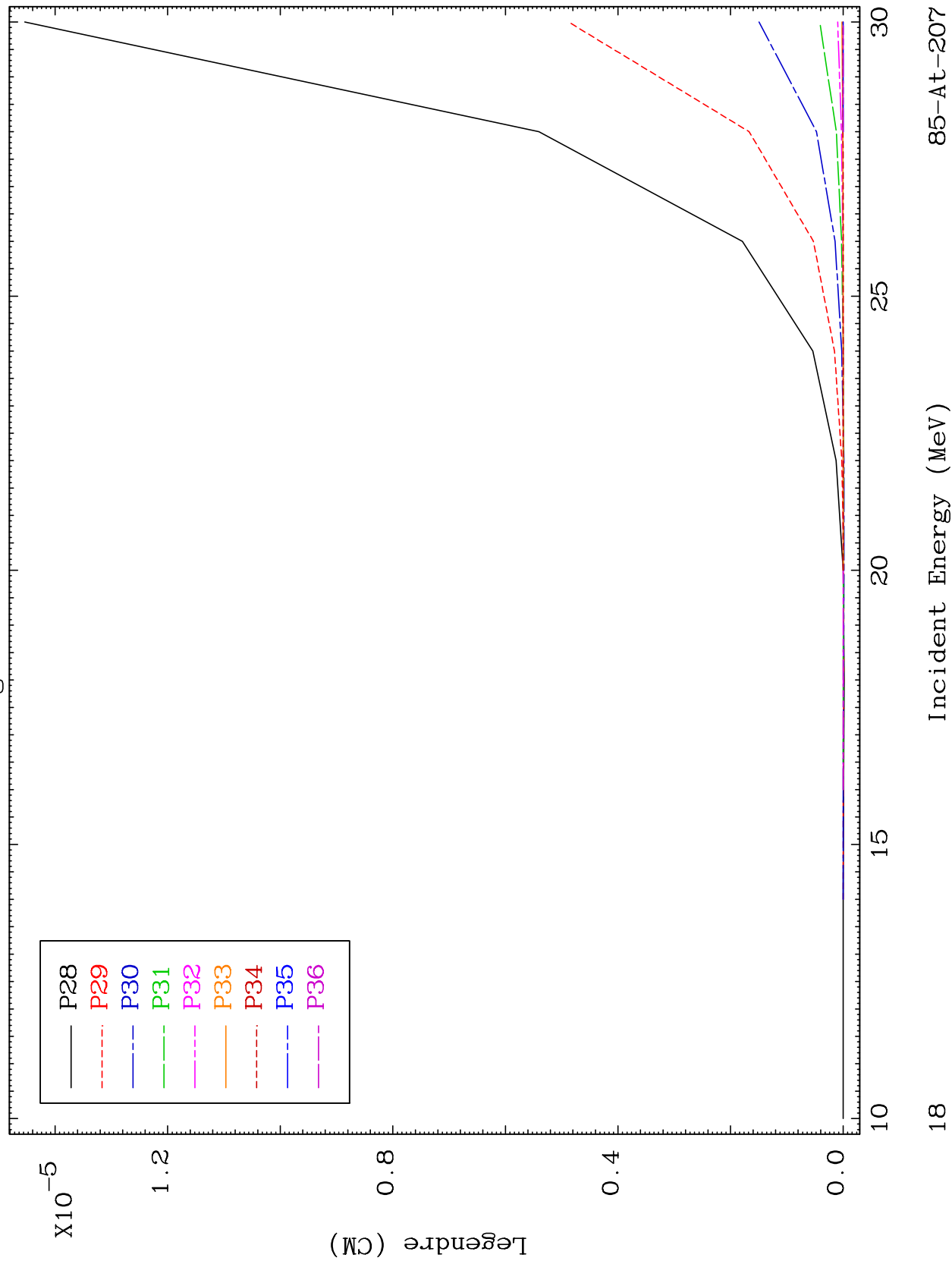
Incident Energy (MeV)

85-At-207

MAT 8537

Elastic Legendre Coefficients

85-At-207



18

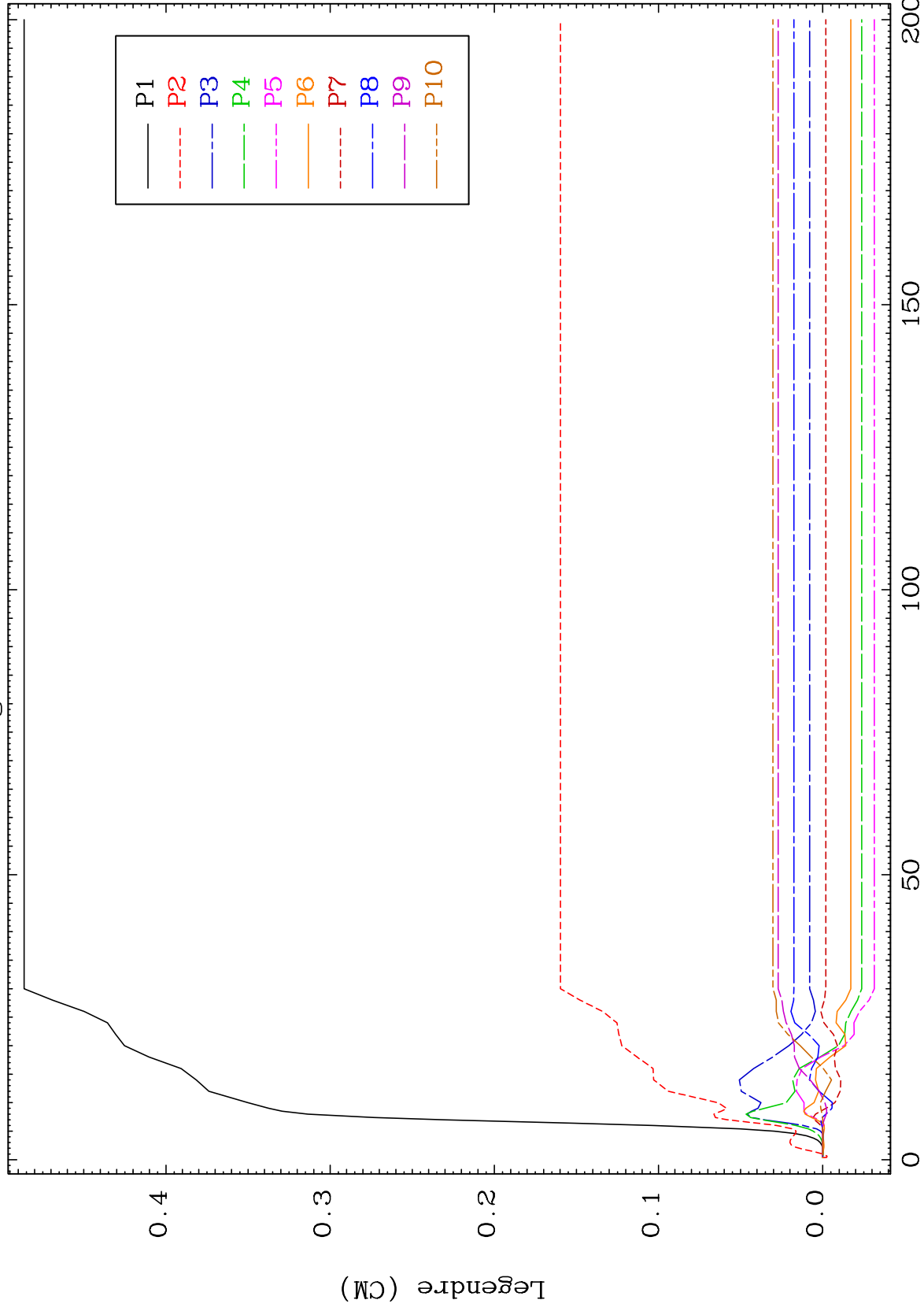
Incident Energy (MeV)

85-At-207

MAT 8537

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

85-At-207



19

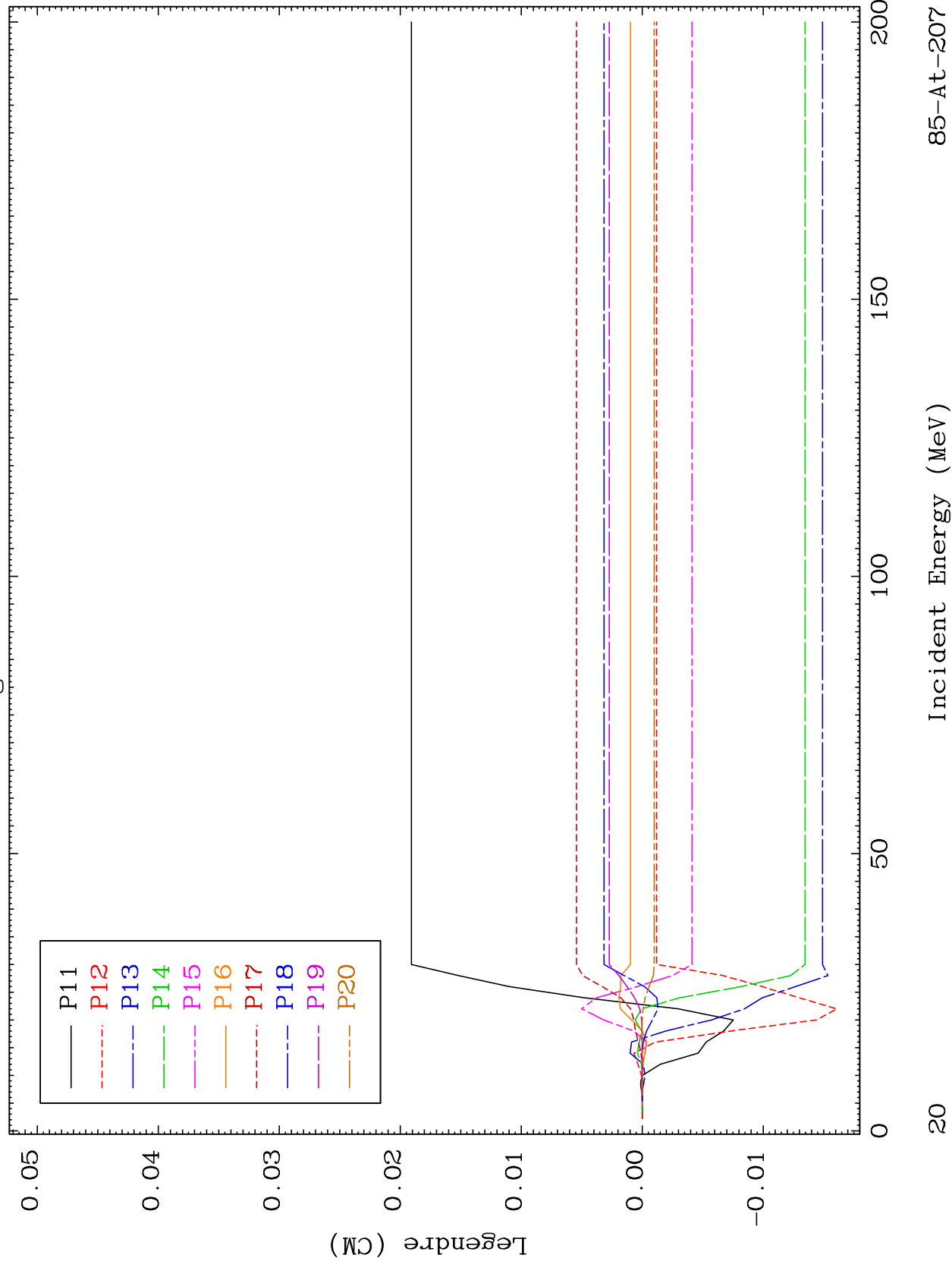
Incident Energy (MeV)

85-At-207

MAT 8537

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

85-At-207



85-At-207

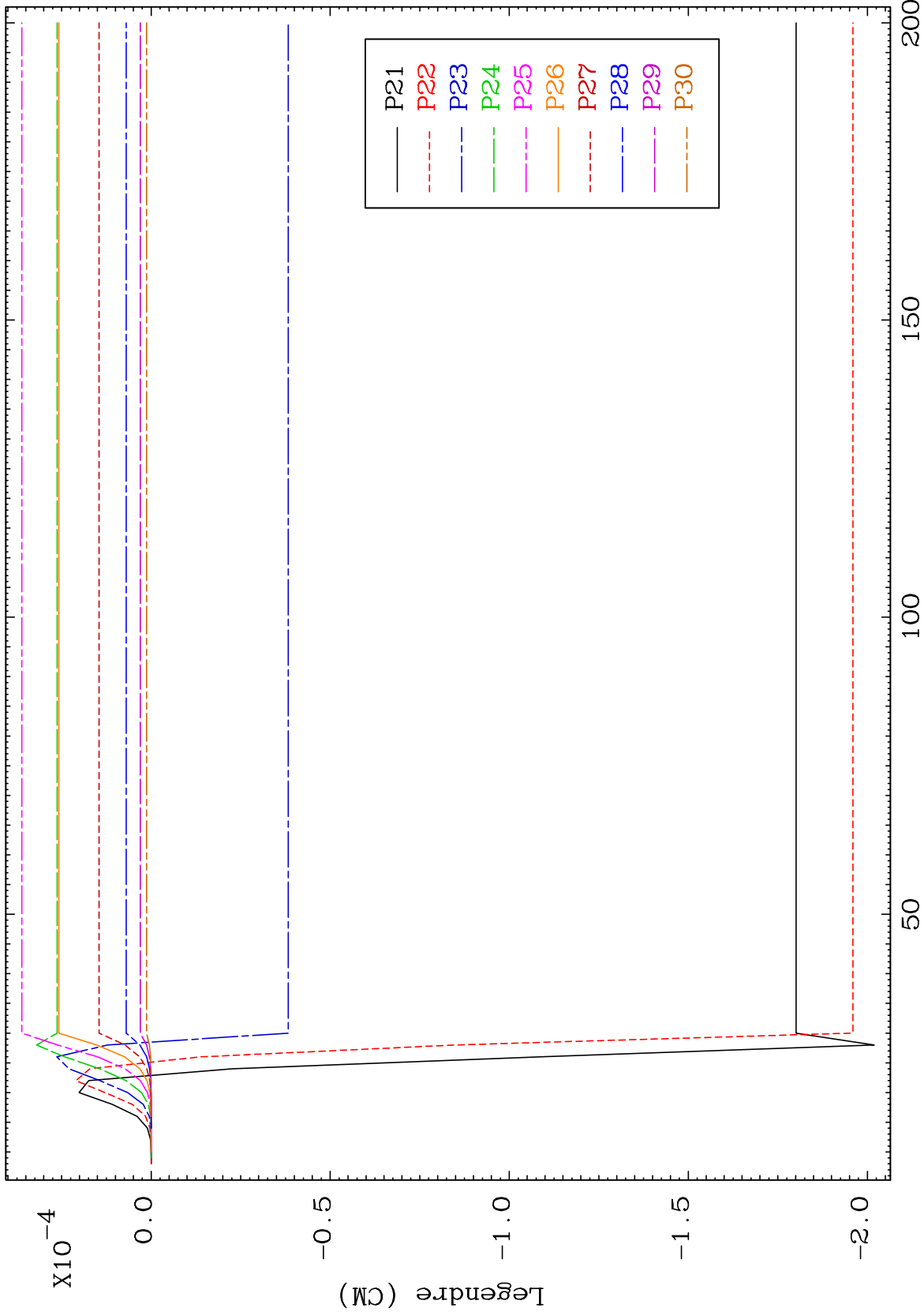
Incident Energy (MeV)

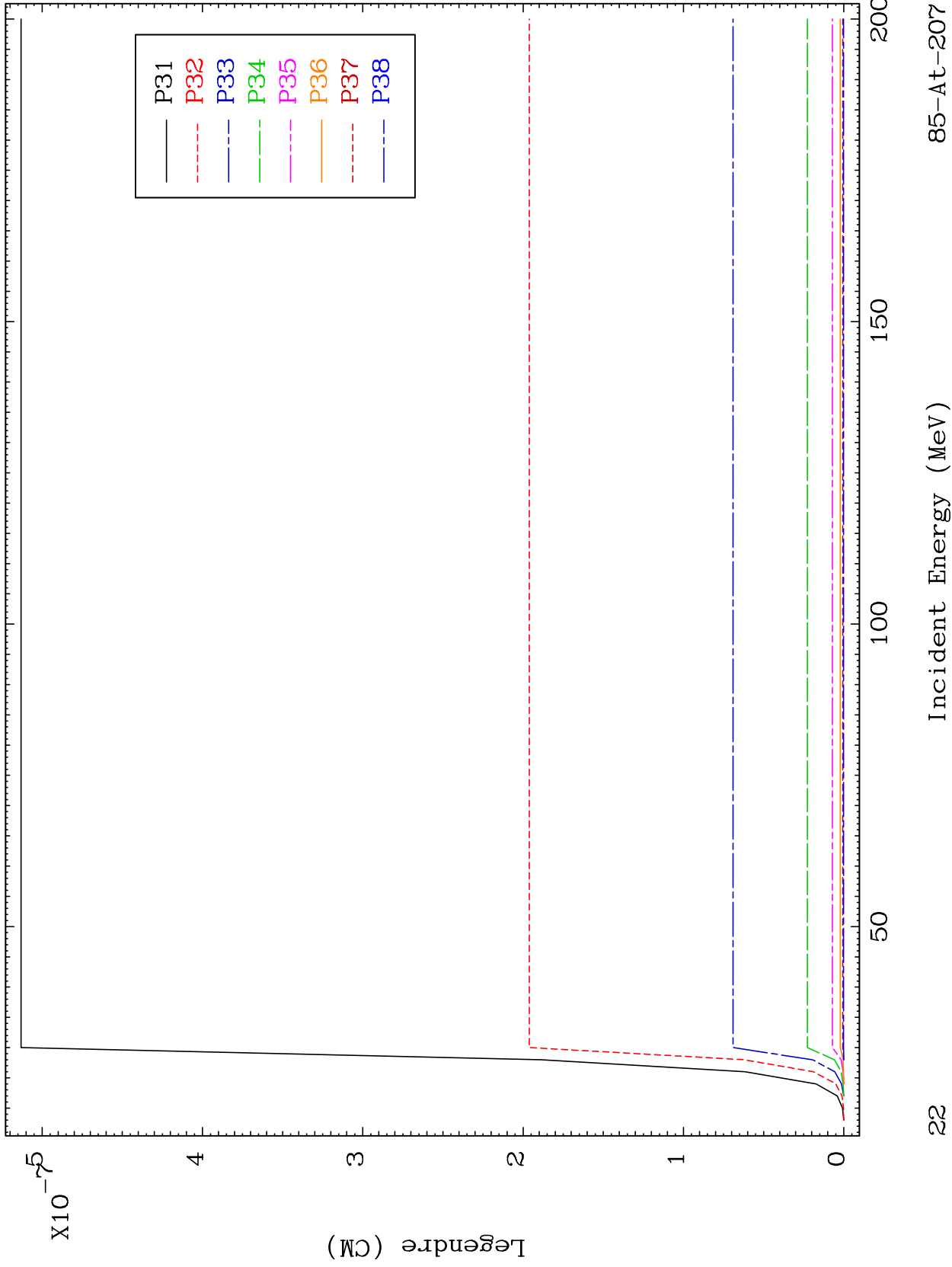
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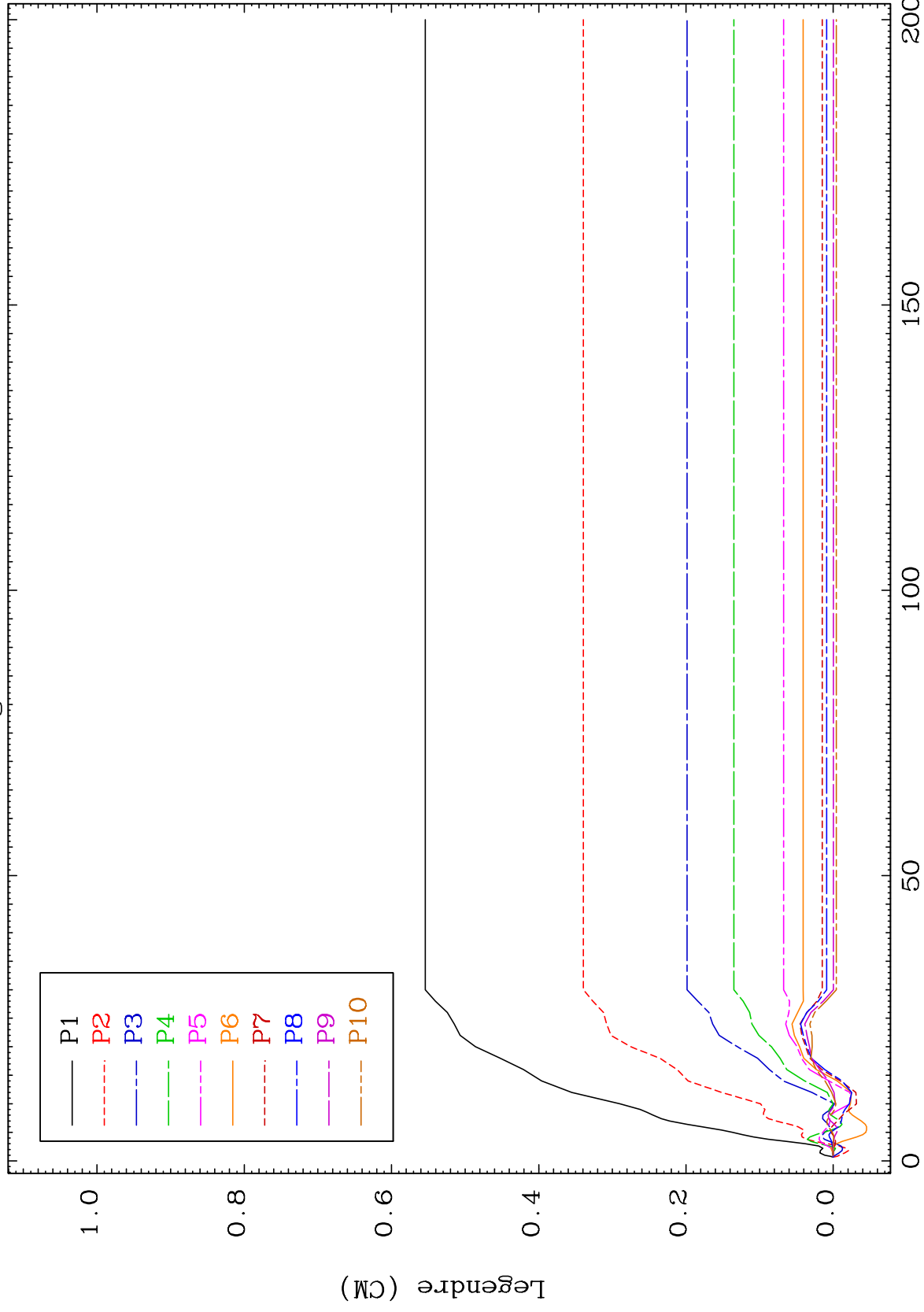
MAT 8537

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

85-At-207



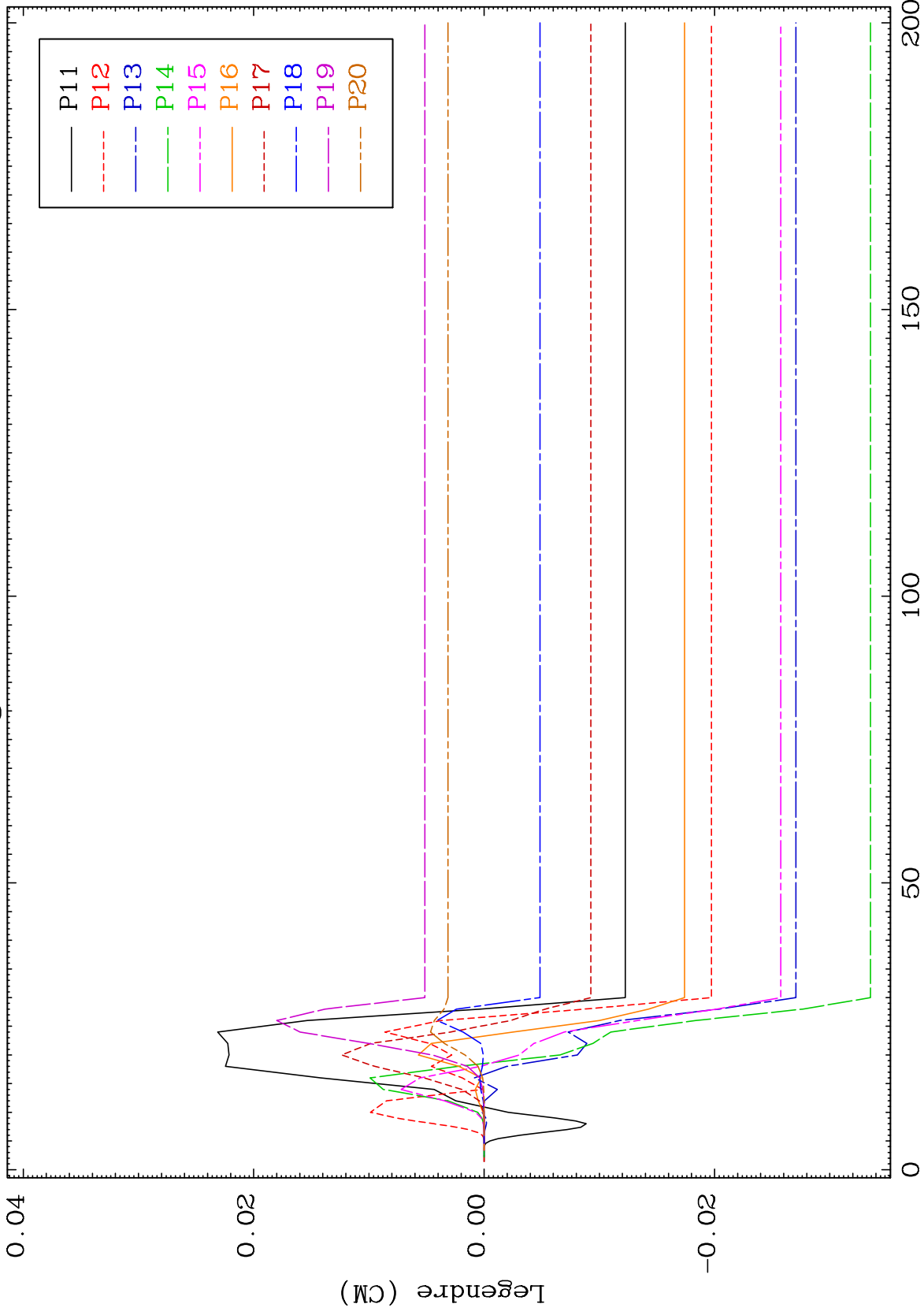




MAT 8537

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

85-At-207



24

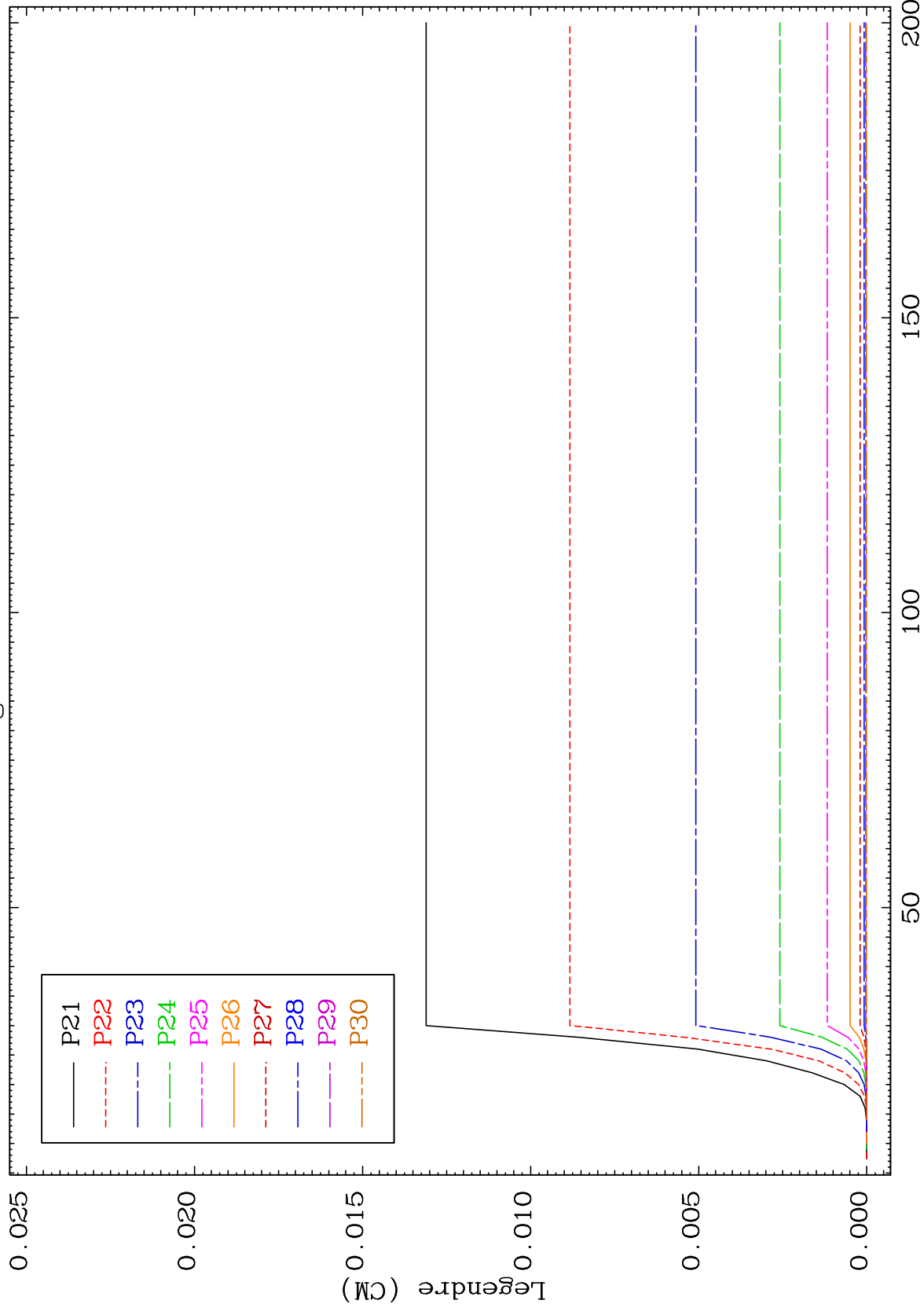
Incident Energy (MeV)

85-At-207

MAT 8537

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

85-At-207



25

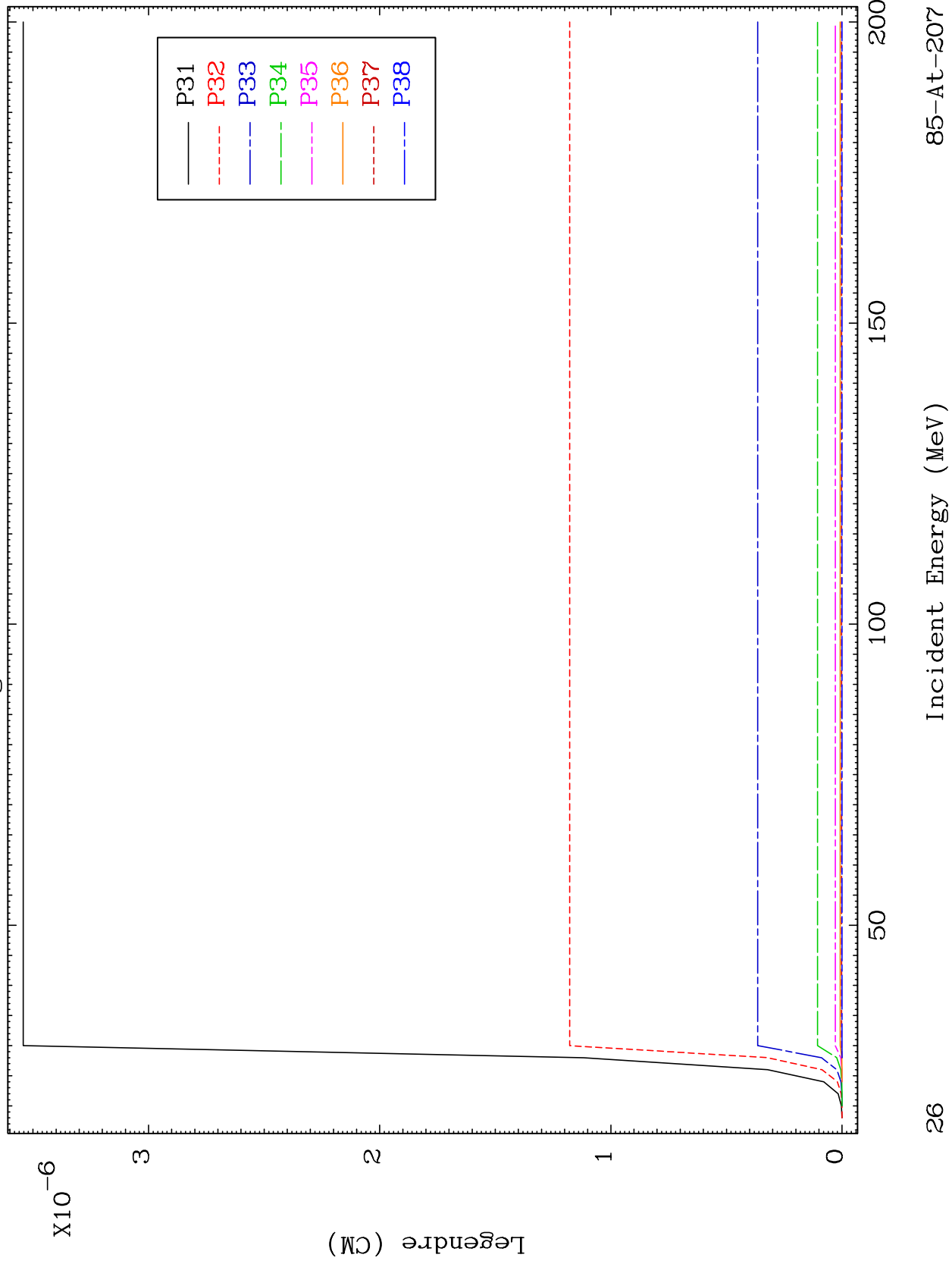
Incident Energy (MeV)

85-At-207

MAT 8537

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

85-At-207



26

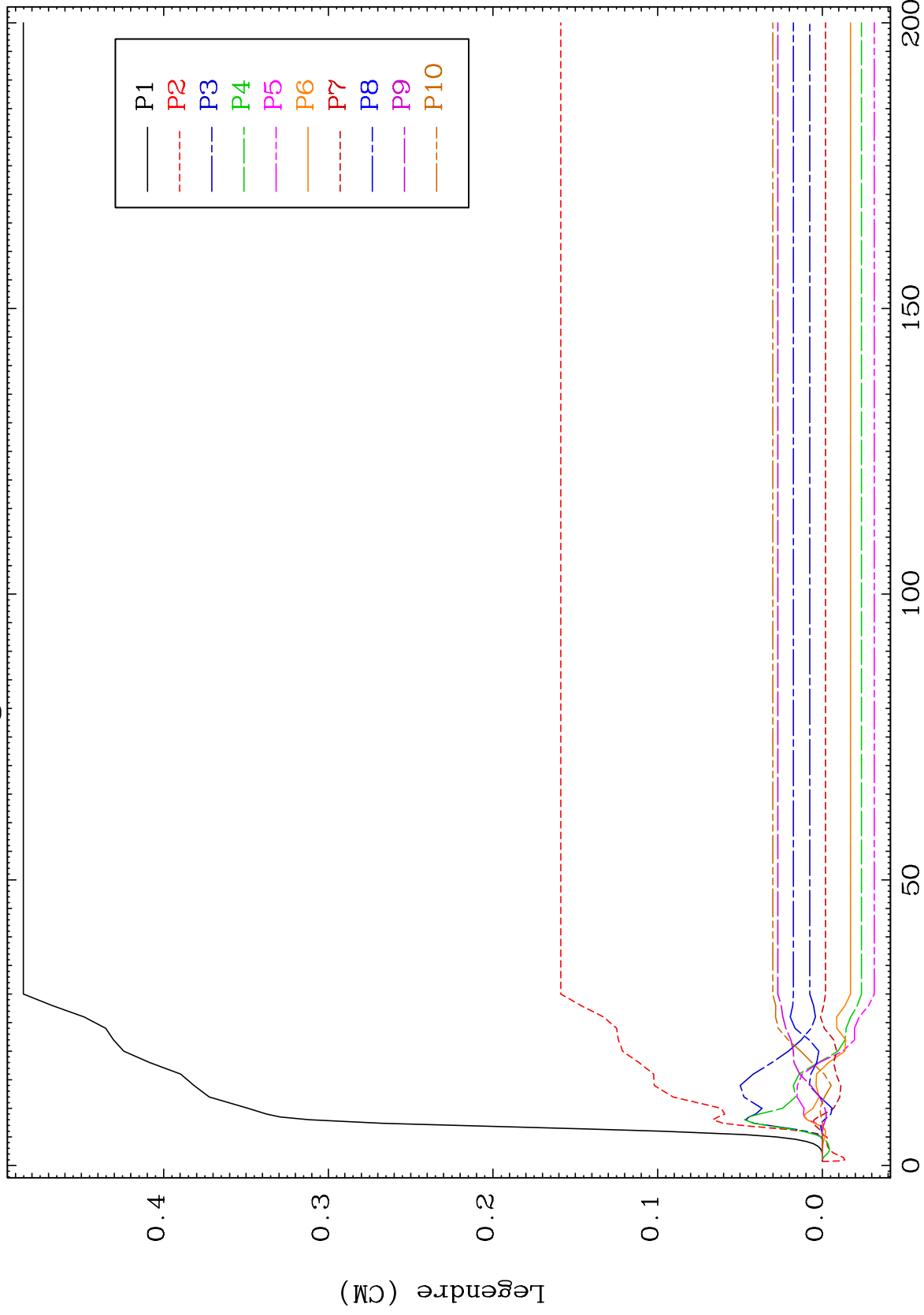
Incident Energy (MeV)

85-At-207

MAT 8537

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

85-At-207



27

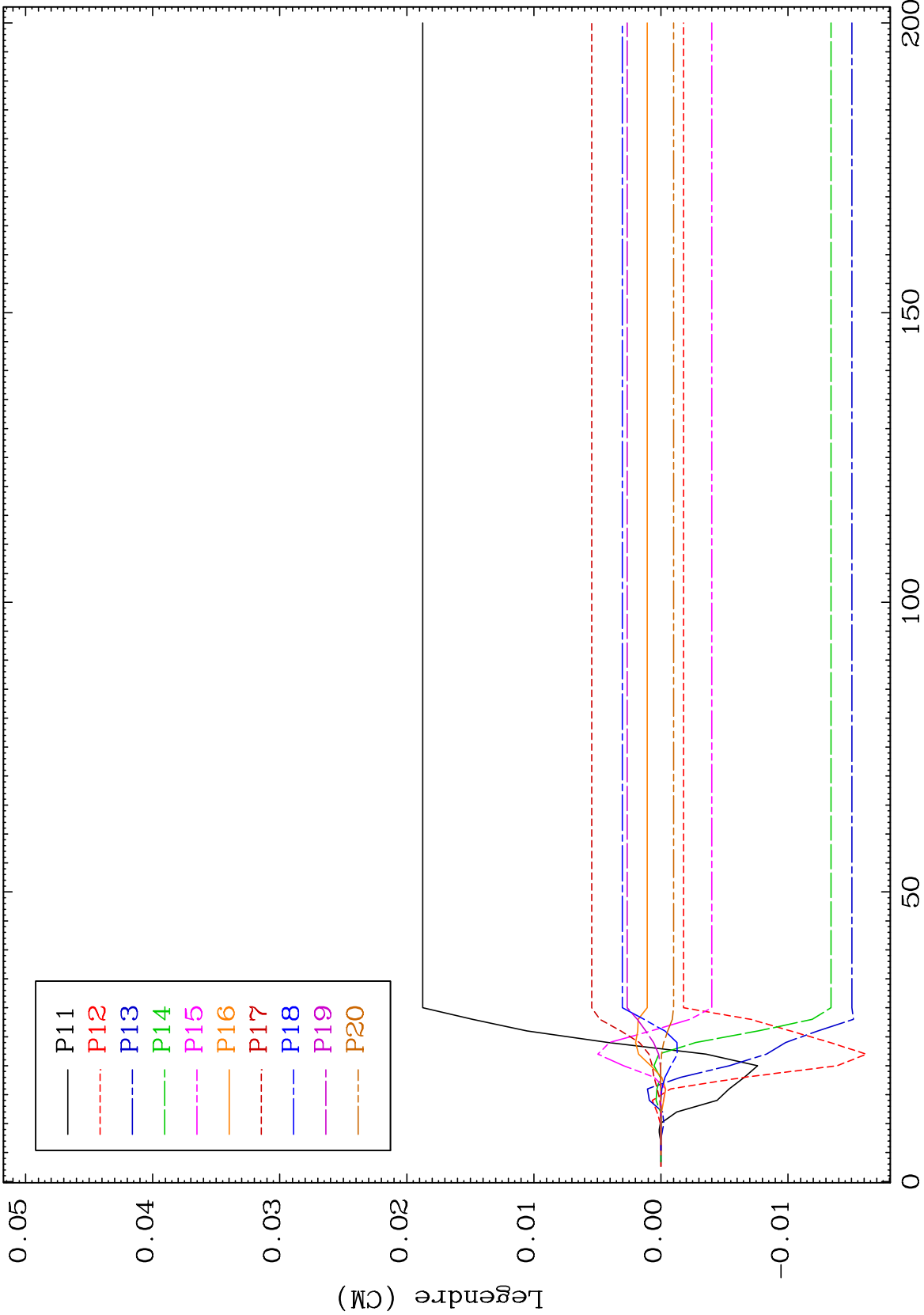
Incident Energy (MeV)

85-At-207

MAT 8537

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

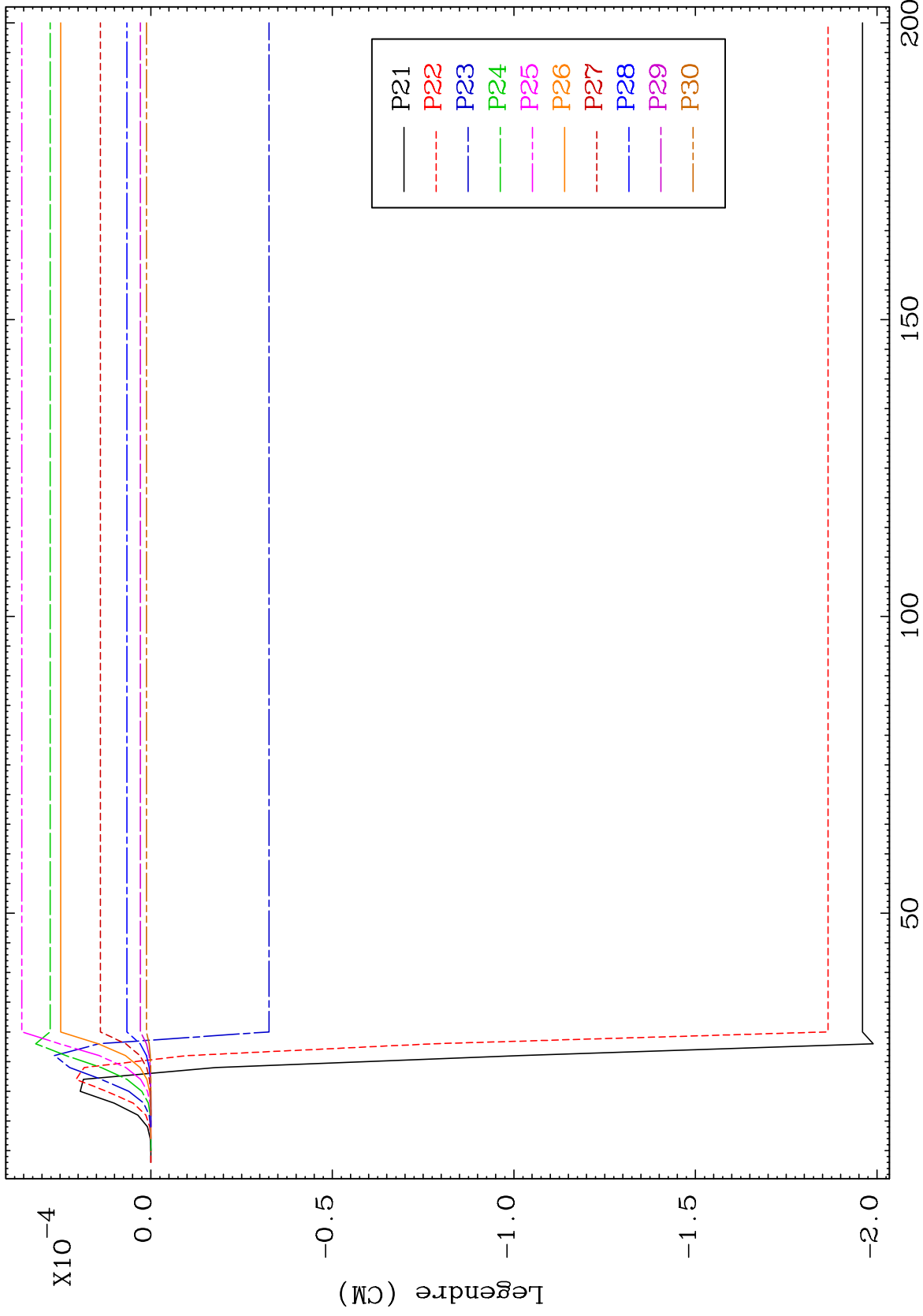
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Incident Energy (MeV)

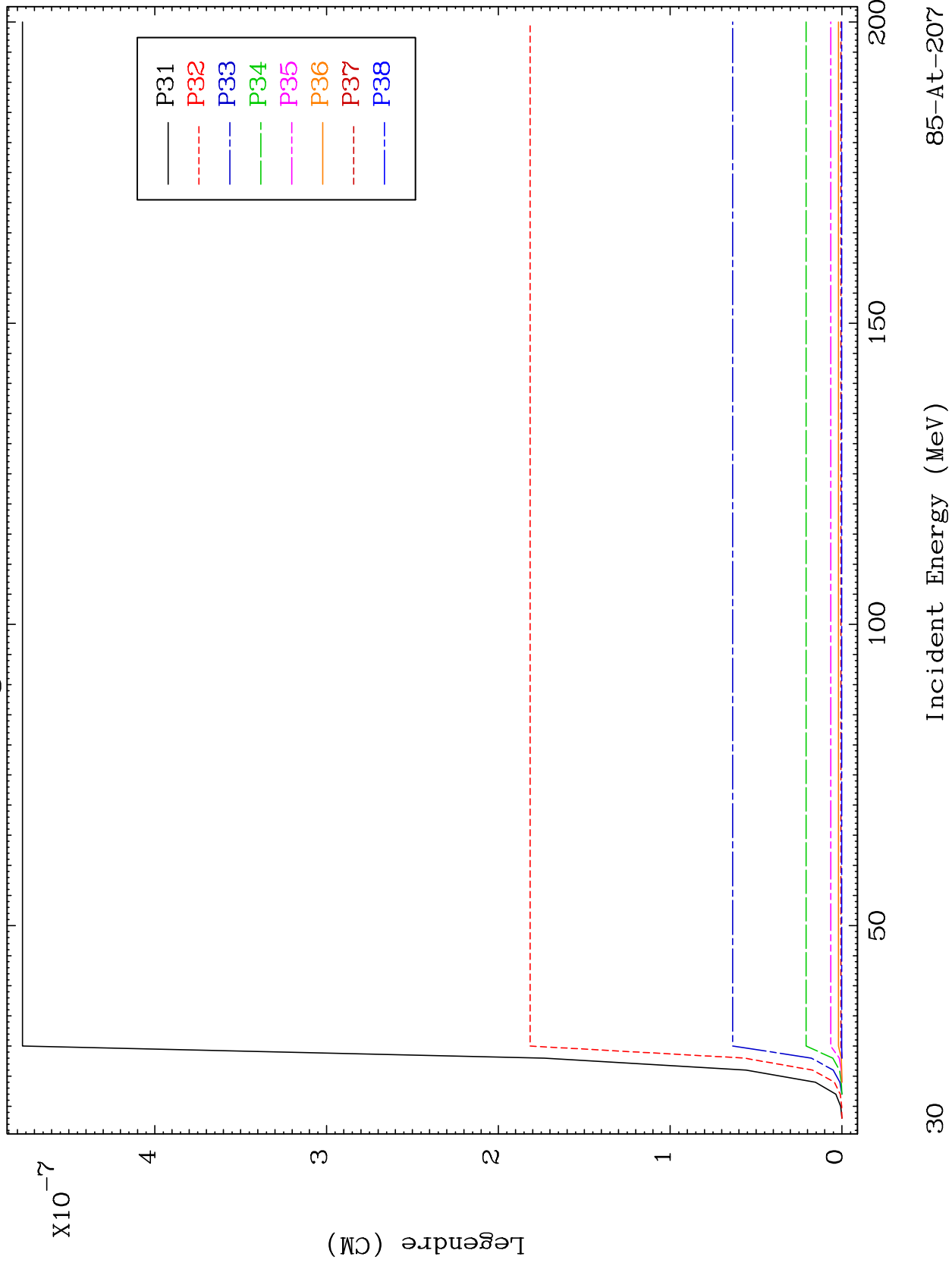
85-At-207



MAT 8537

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

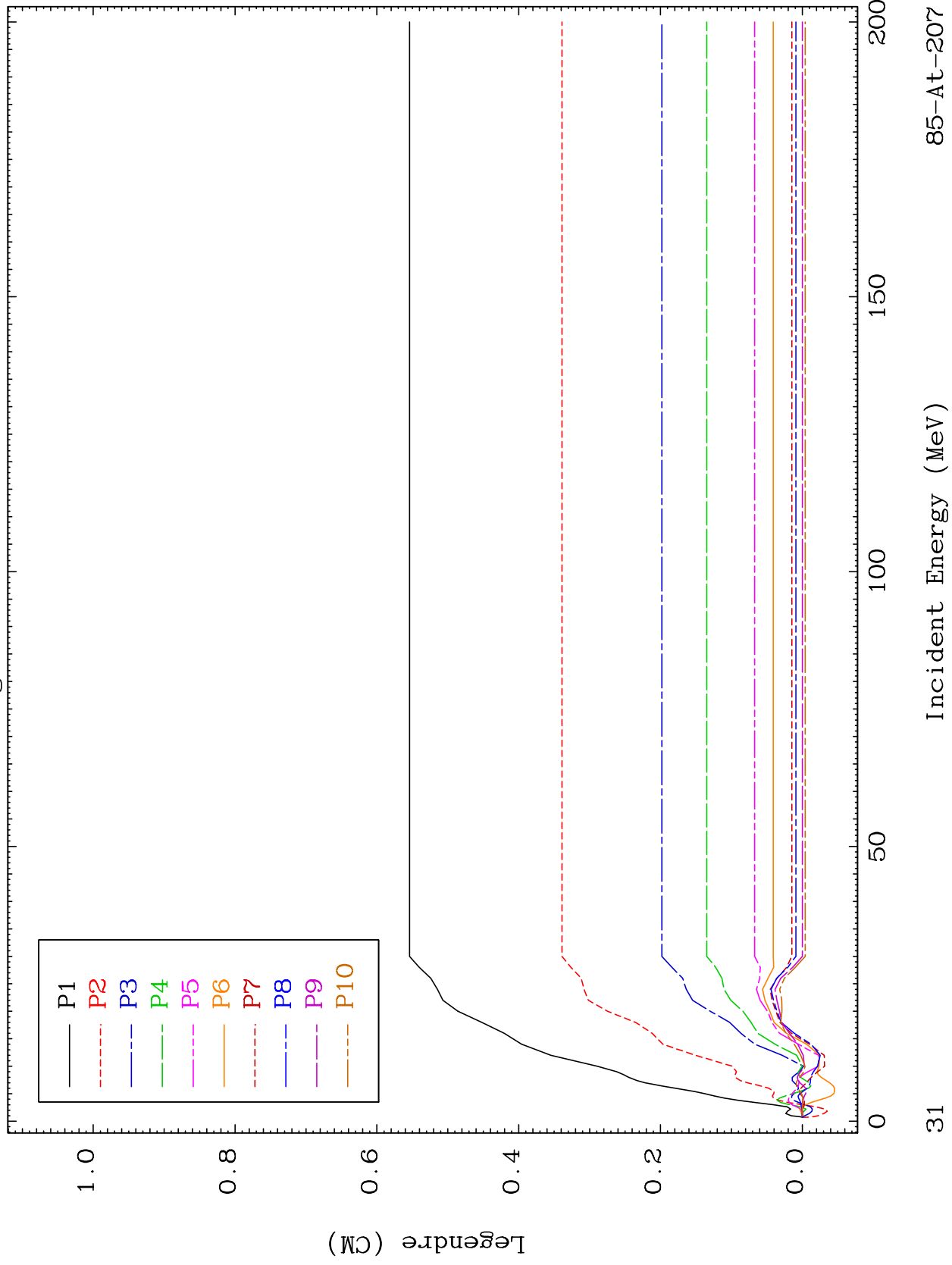
85-At-207



MAT 8537

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

85-At-207



31

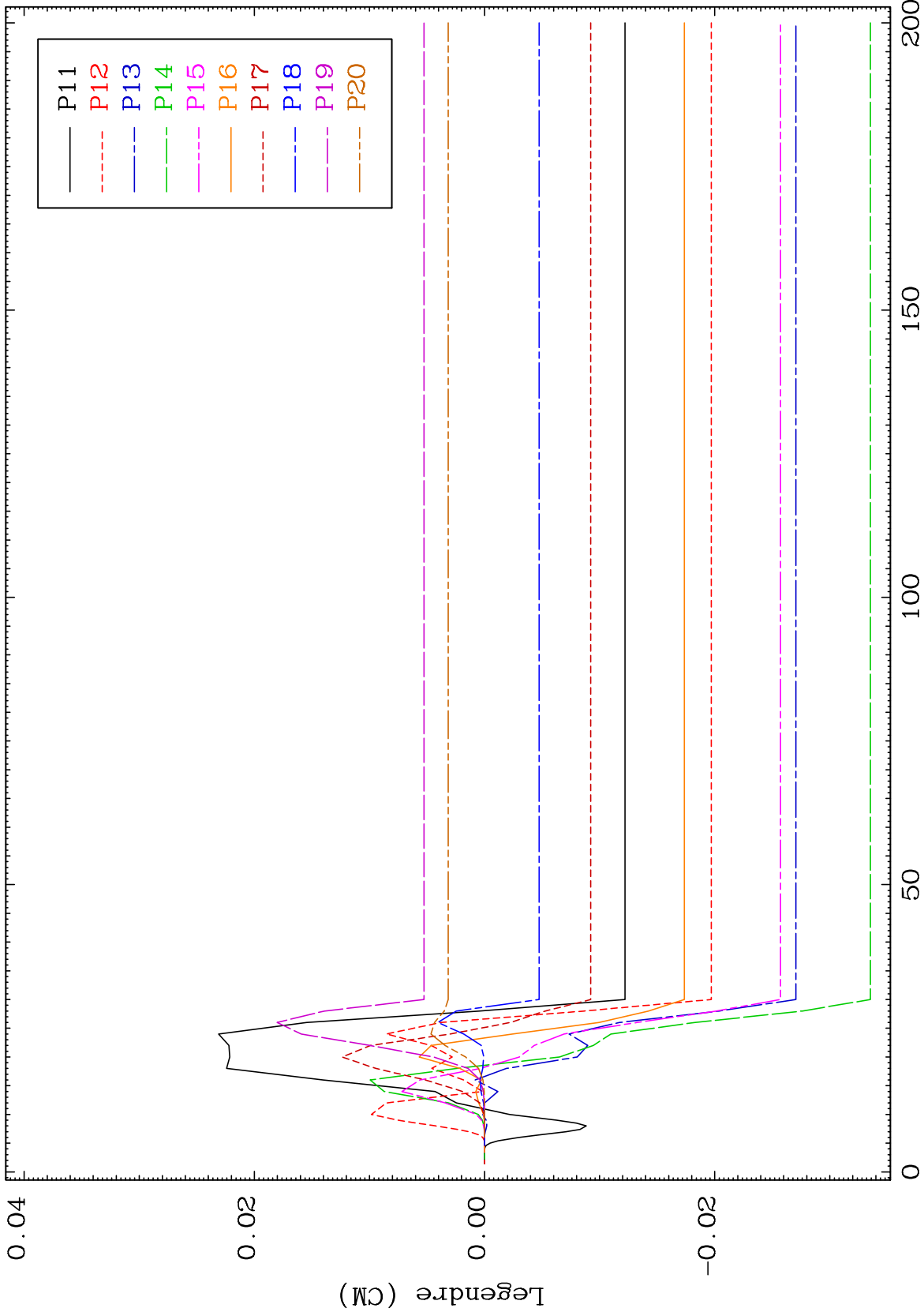
Incident Energy (MeV)

85-At-207

MAT 8537

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

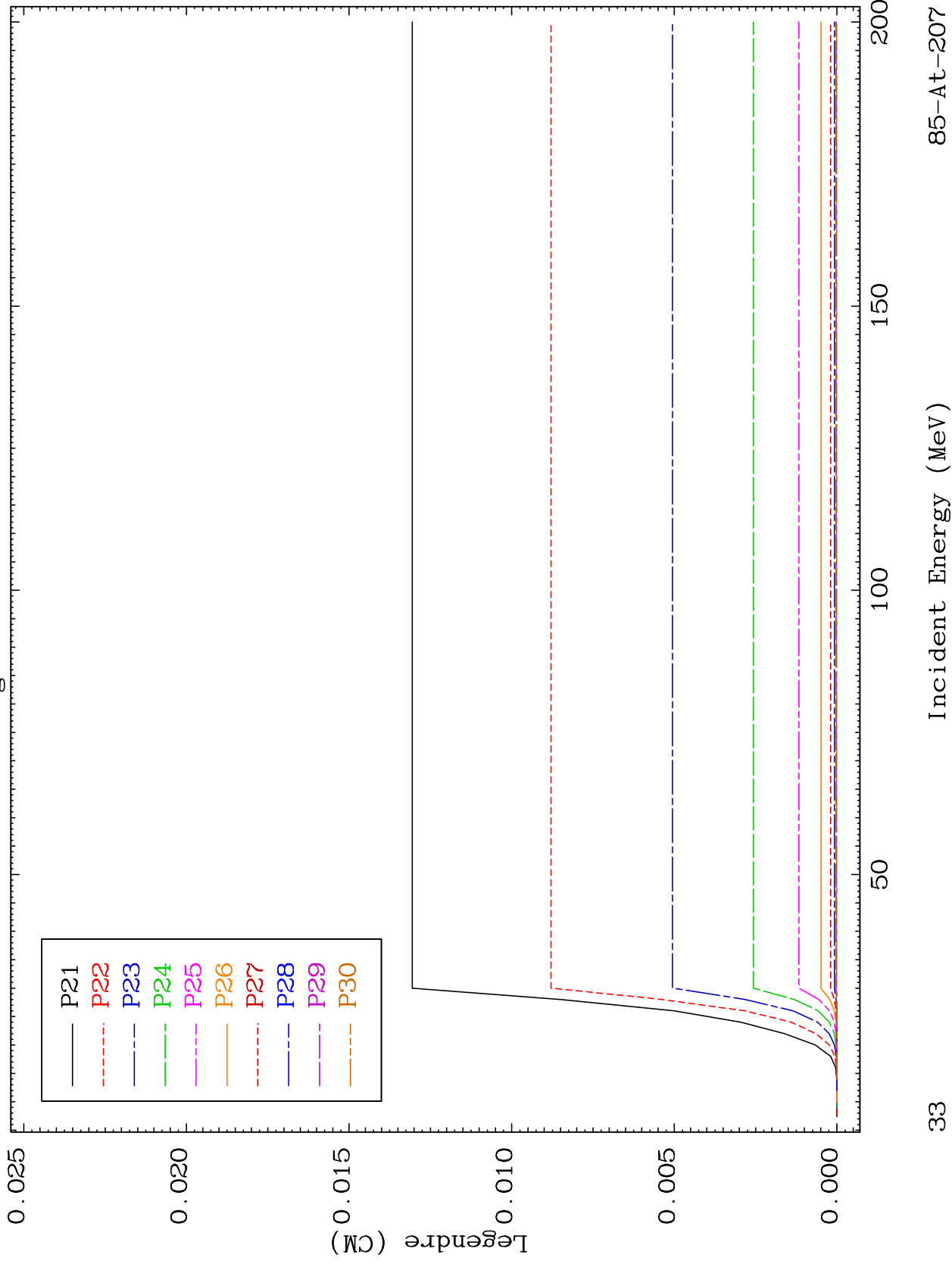
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Incident Energy (MeV)

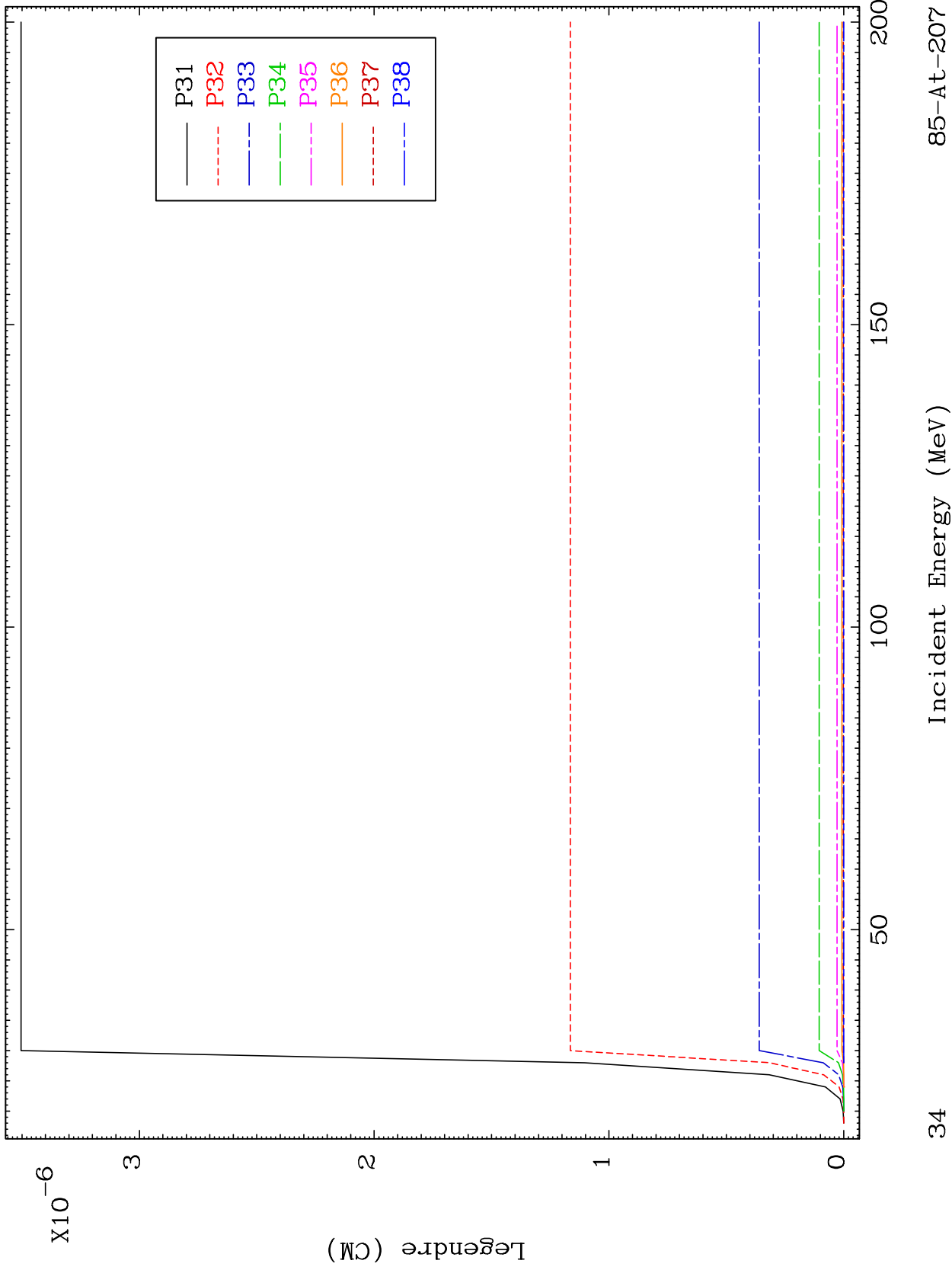
85-At-207



MAT 8537

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

85-At-207



34

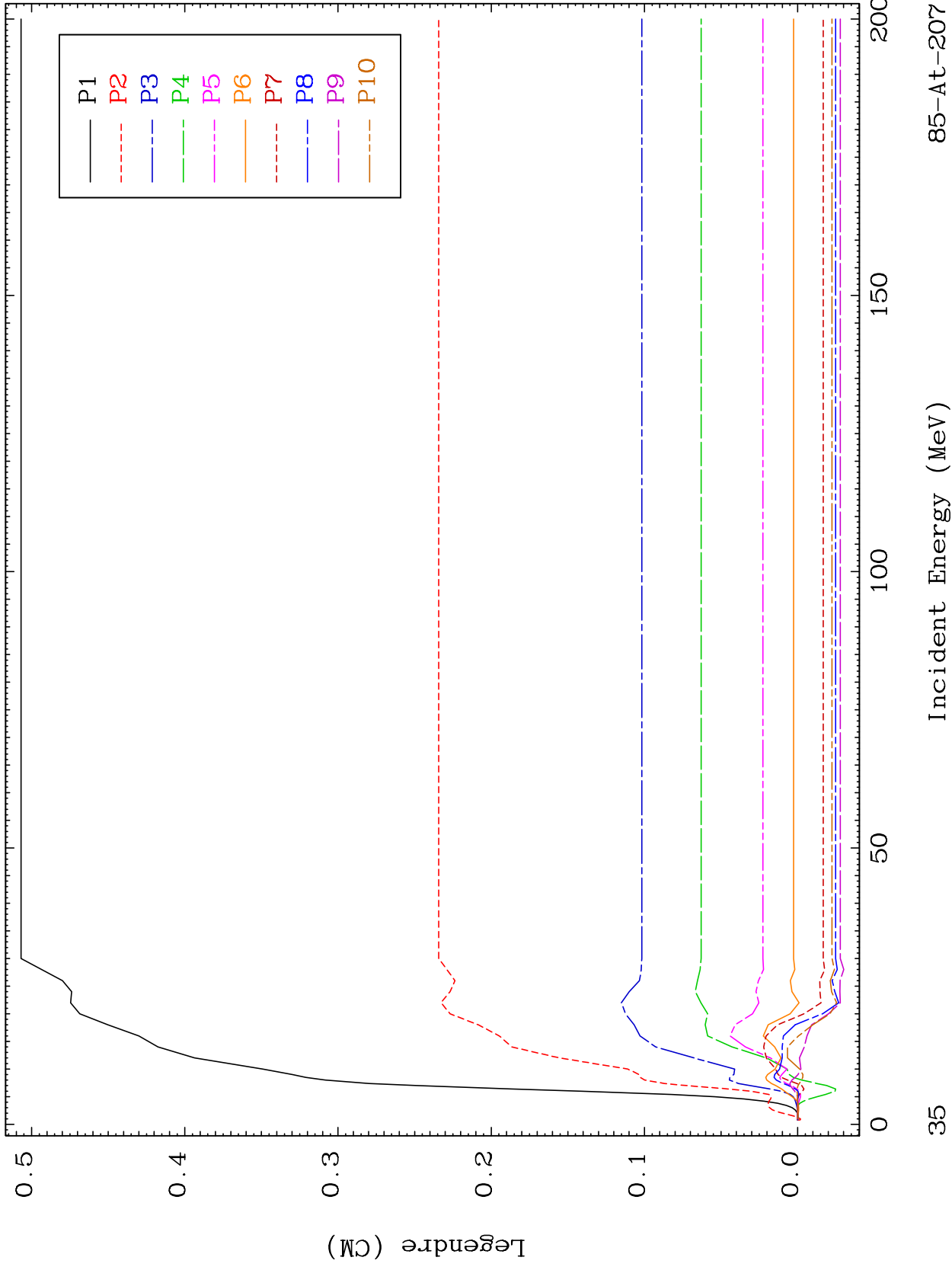
Incident Energy (MeV)

85-At-207

MAT 8537

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

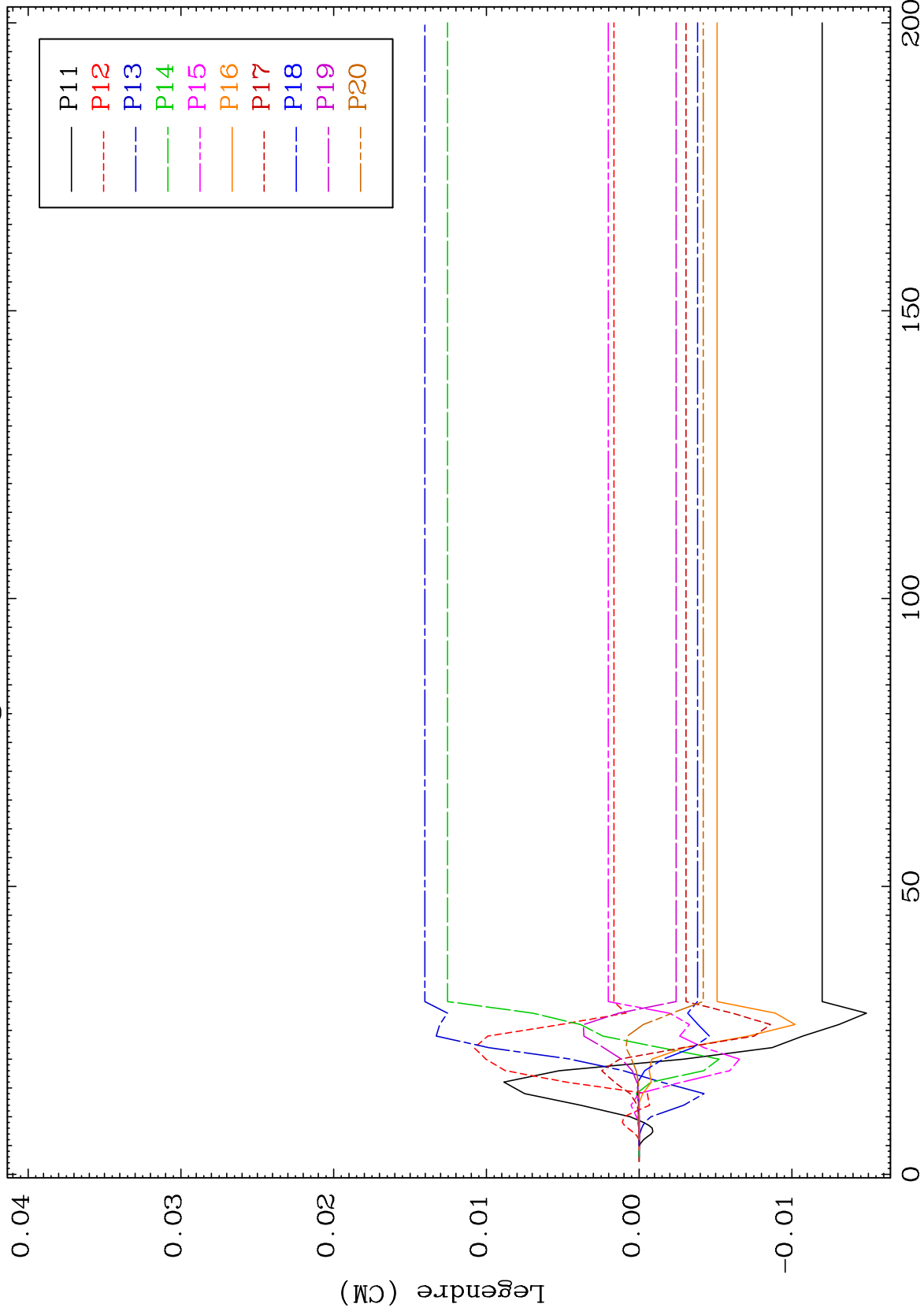
85-At-207



MAT 8537

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

85-At-207



36

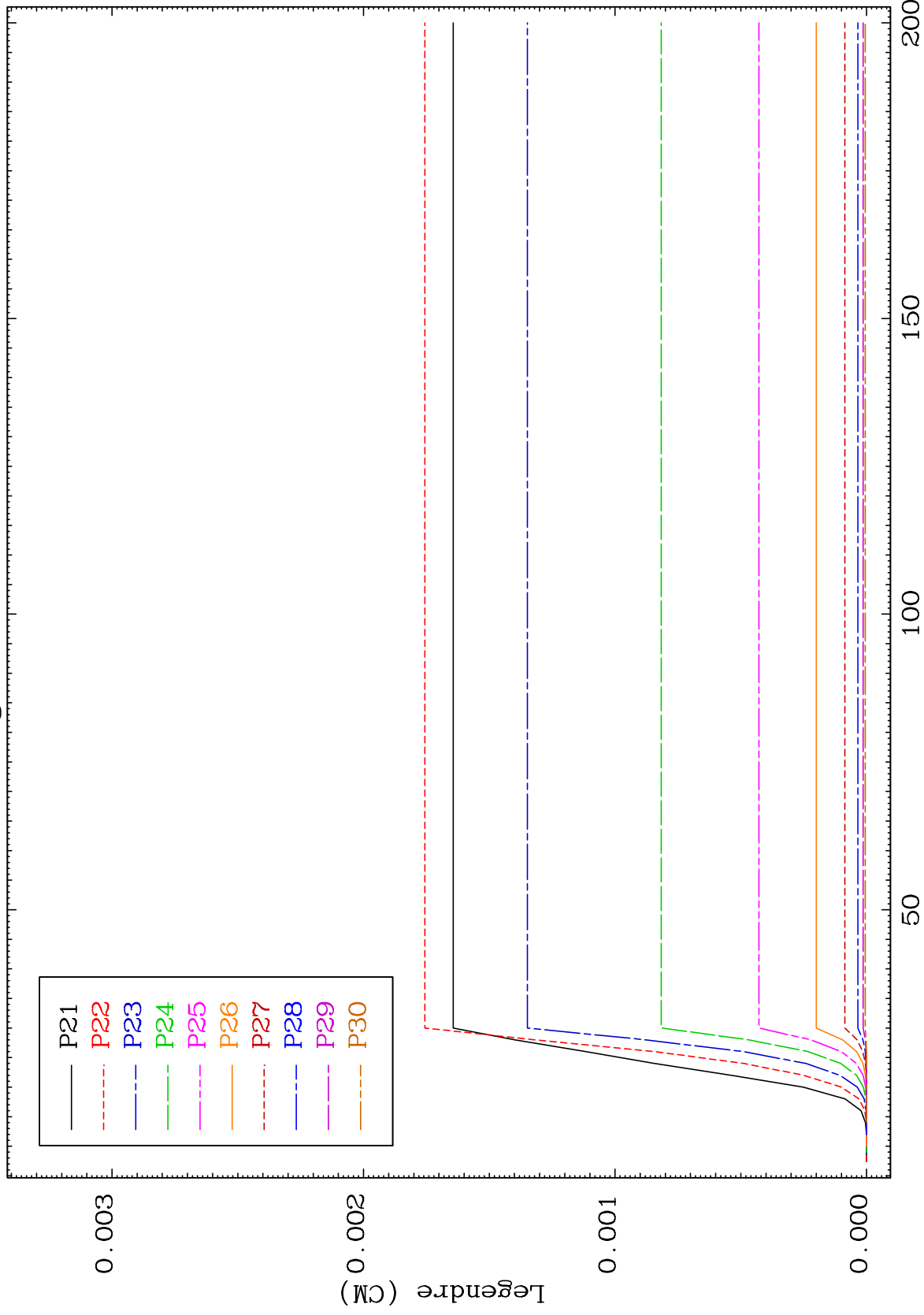
Incident Energy (MeV)

85-At-207

MAT 8537

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

85-At-207



37

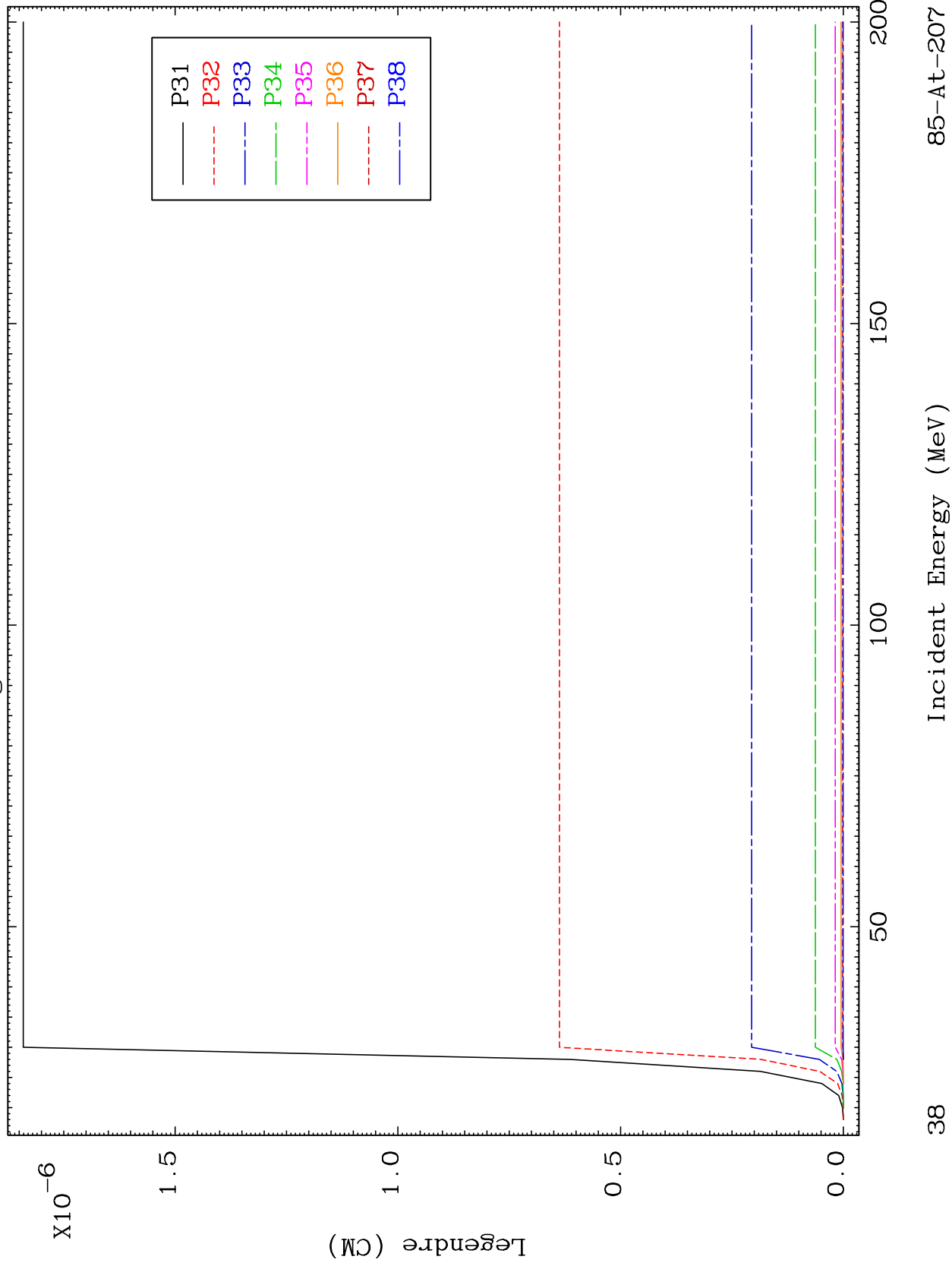
Incident Energy (MeV)

85-At-207

MAT 8537

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

85-At-207



38

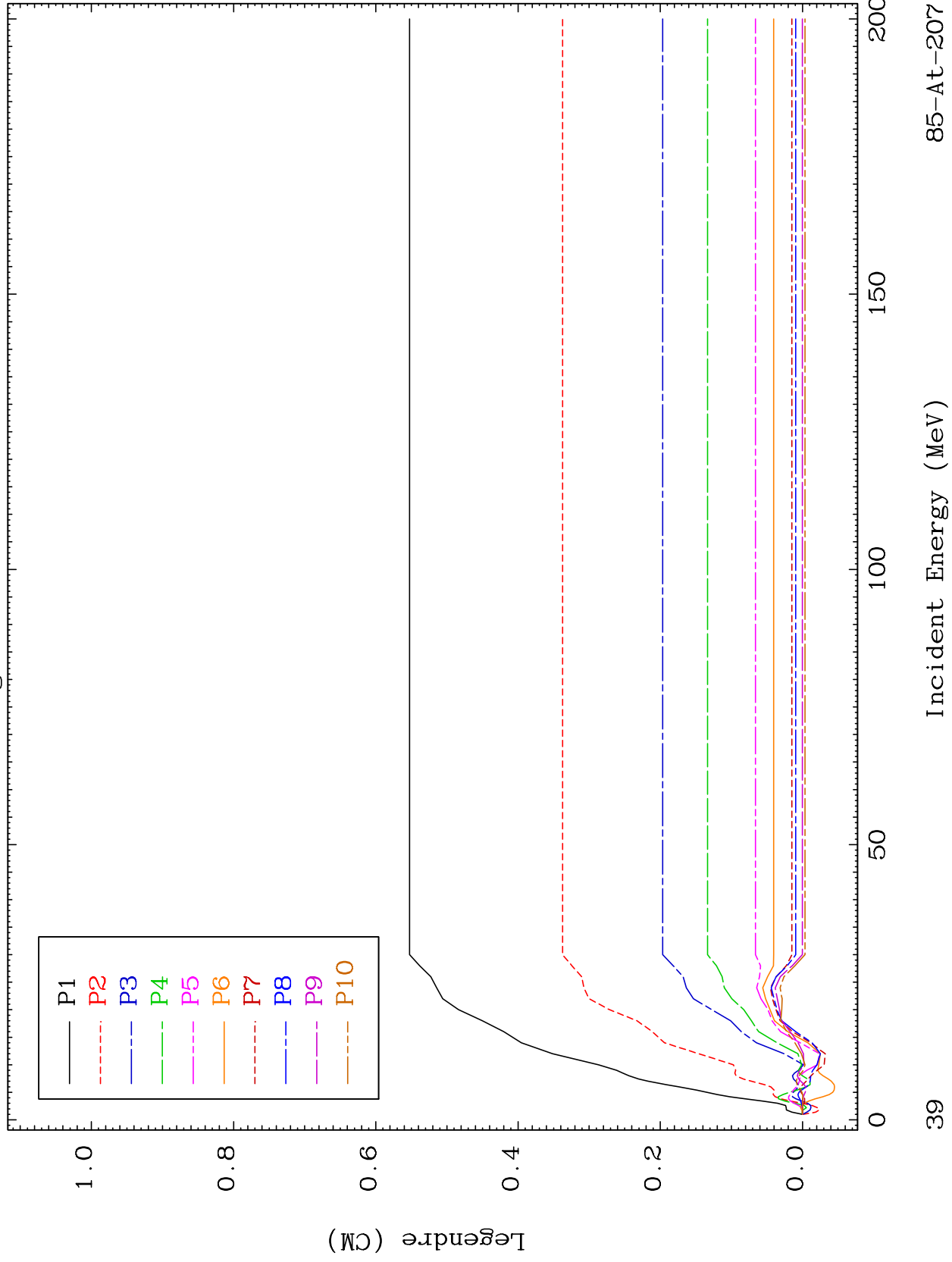
Incident Energy (MeV)

85-At-207

MAT 8537

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

85-At-207



39

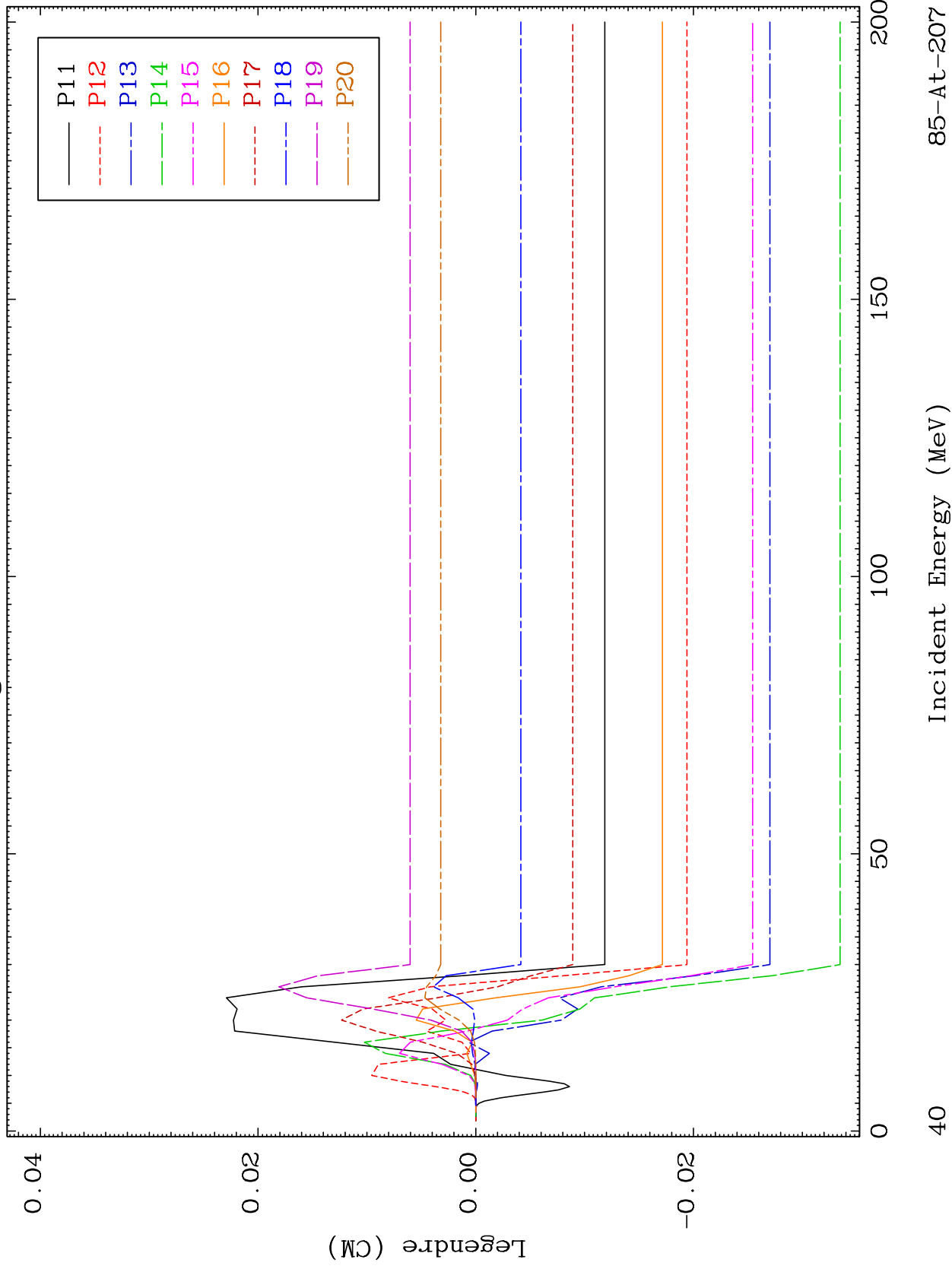
Incident Energy (MeV)

85-At-207

MAT 8537

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

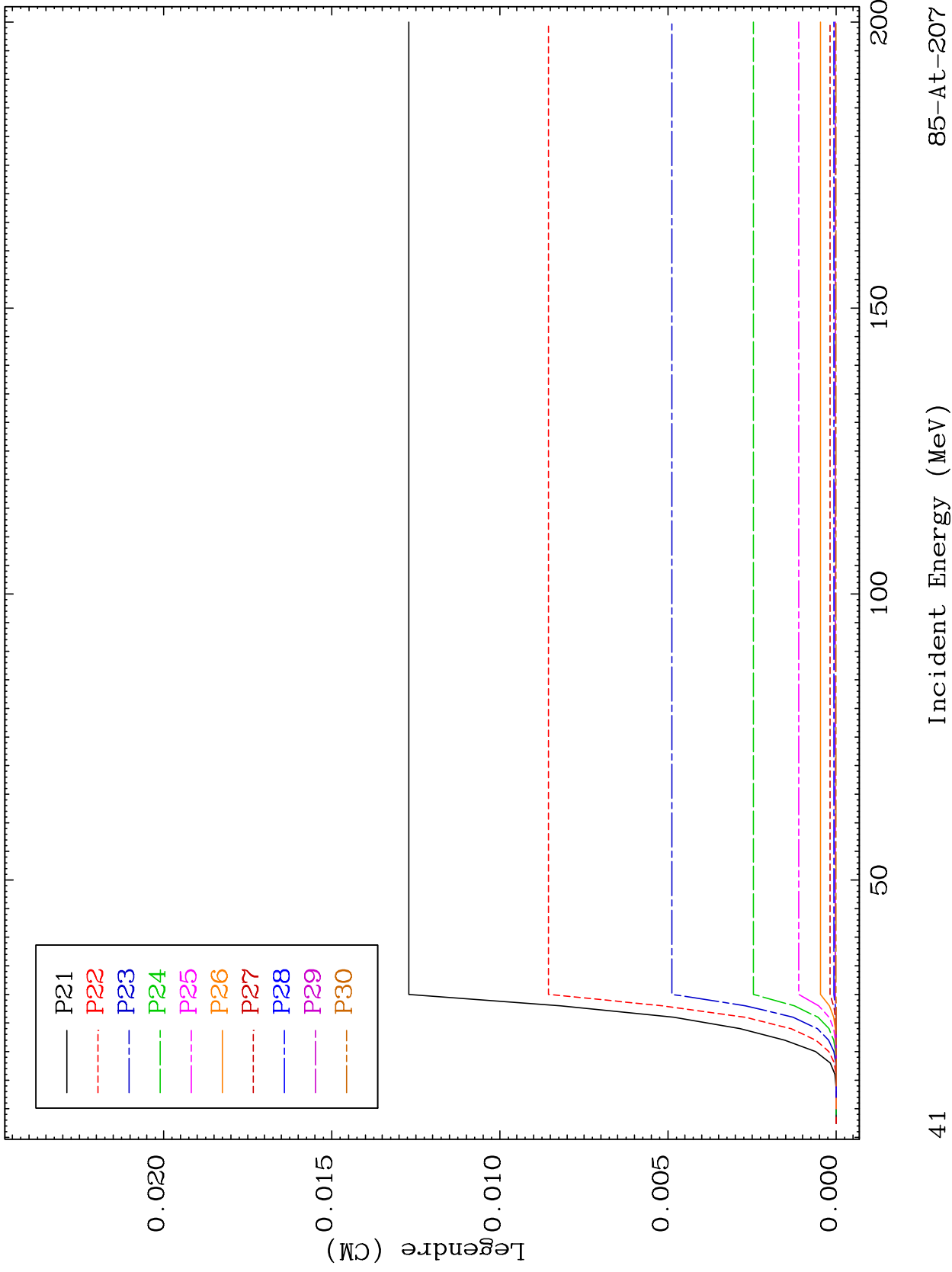
85-At-207



85-At-207

Incident Energy (MeV)

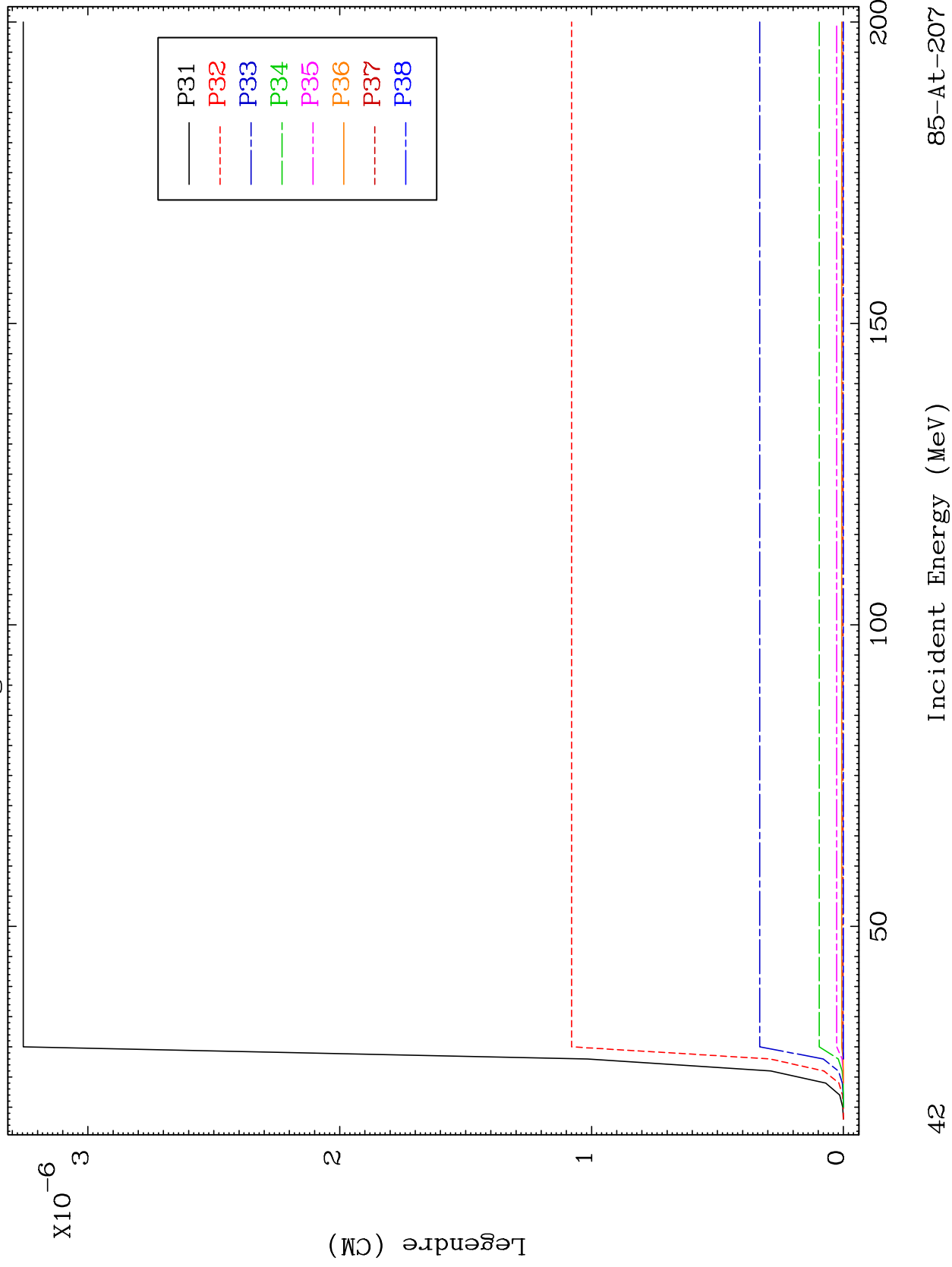
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MAT 8537

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

85-At-207



42

Incident Energy (MeV)

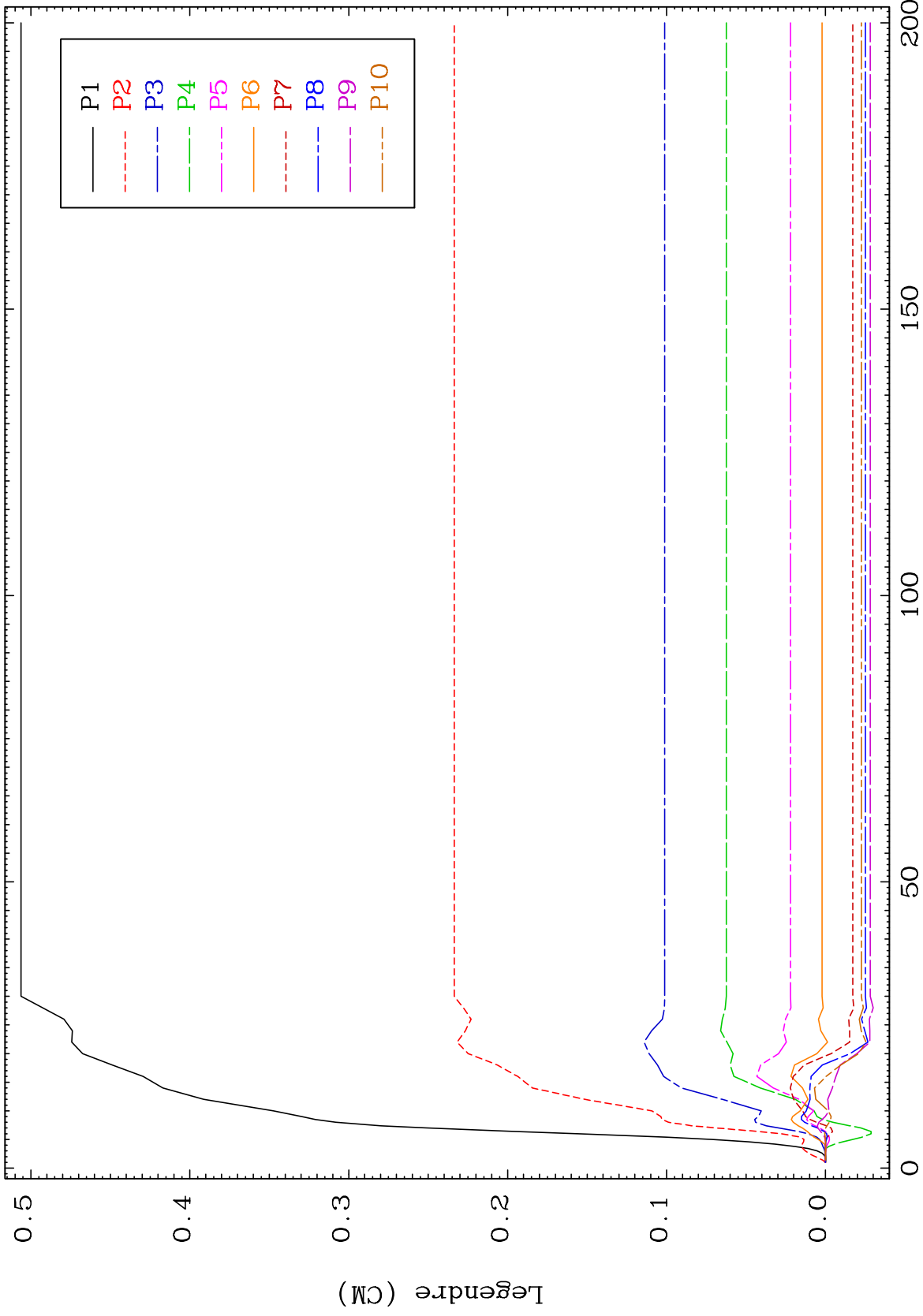
85-At-207

MAT 8537

MT= 57 (n,n') Level

85-At-207

Legendre Coefficients



43

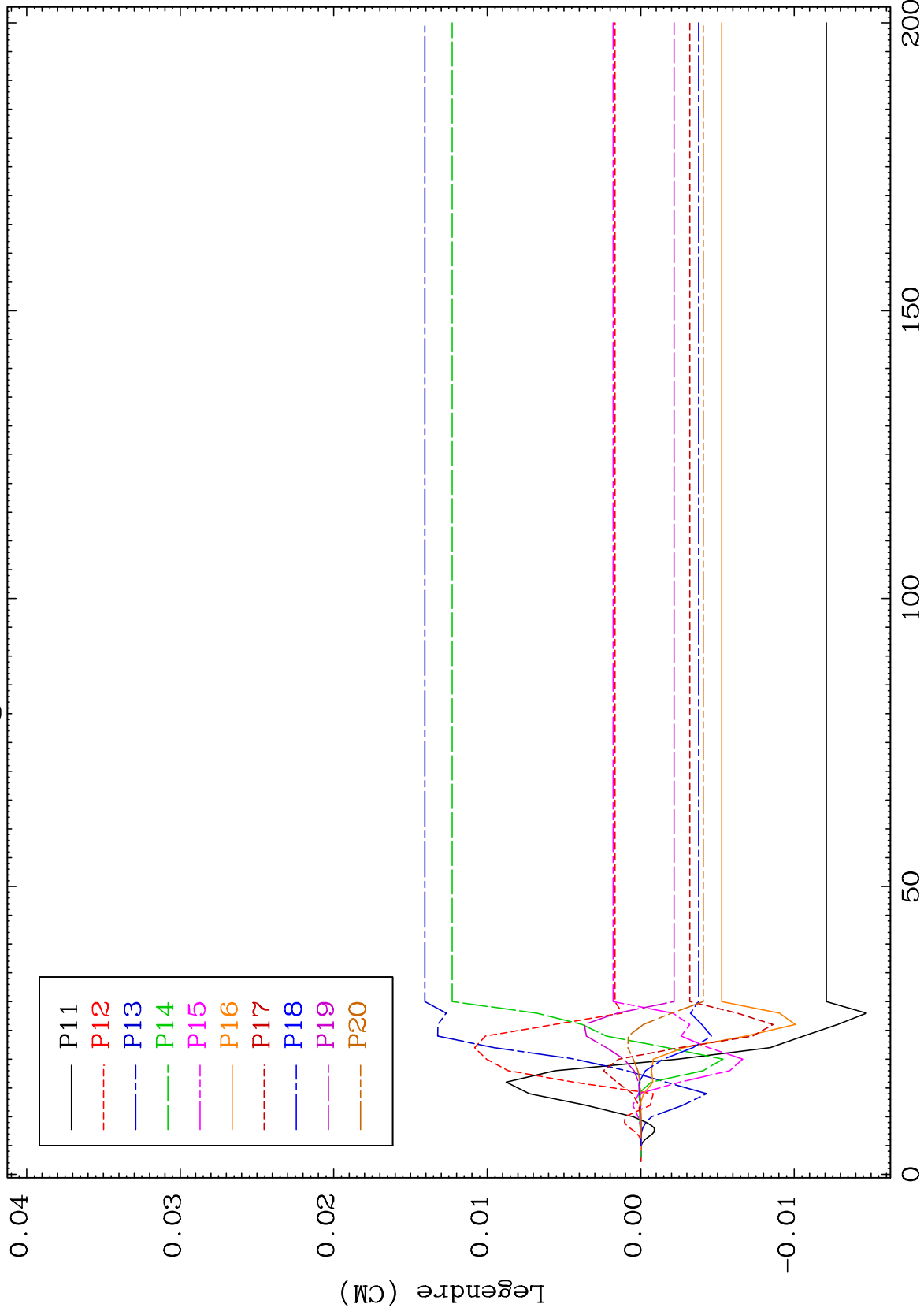
Incident Energy (MeV)

85-At-207

MAT 8537

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

85-At-207



44

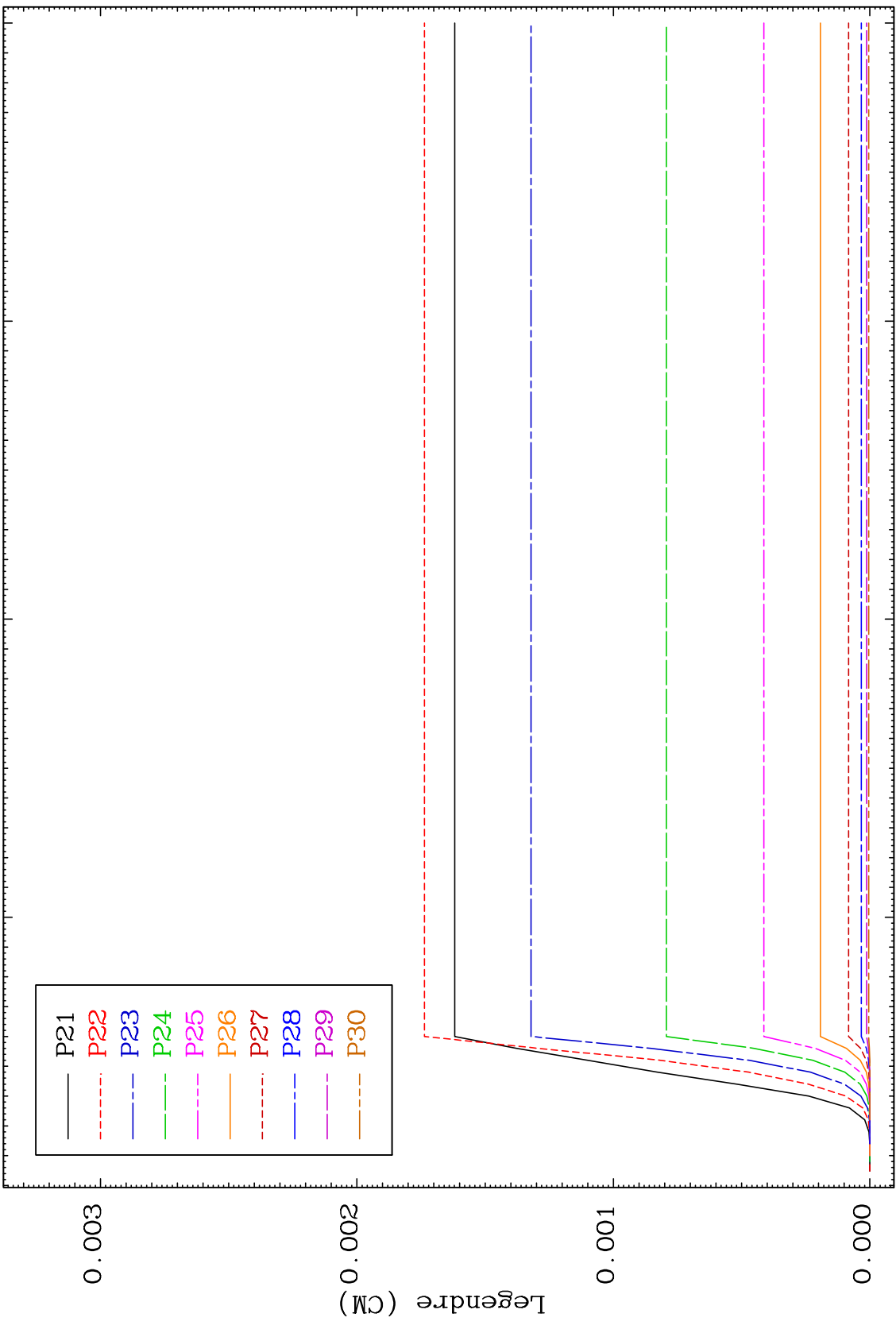
Incident Energy (MeV)

85-At-207

MAT 8537

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

85-At-207



200

150

100

50

45

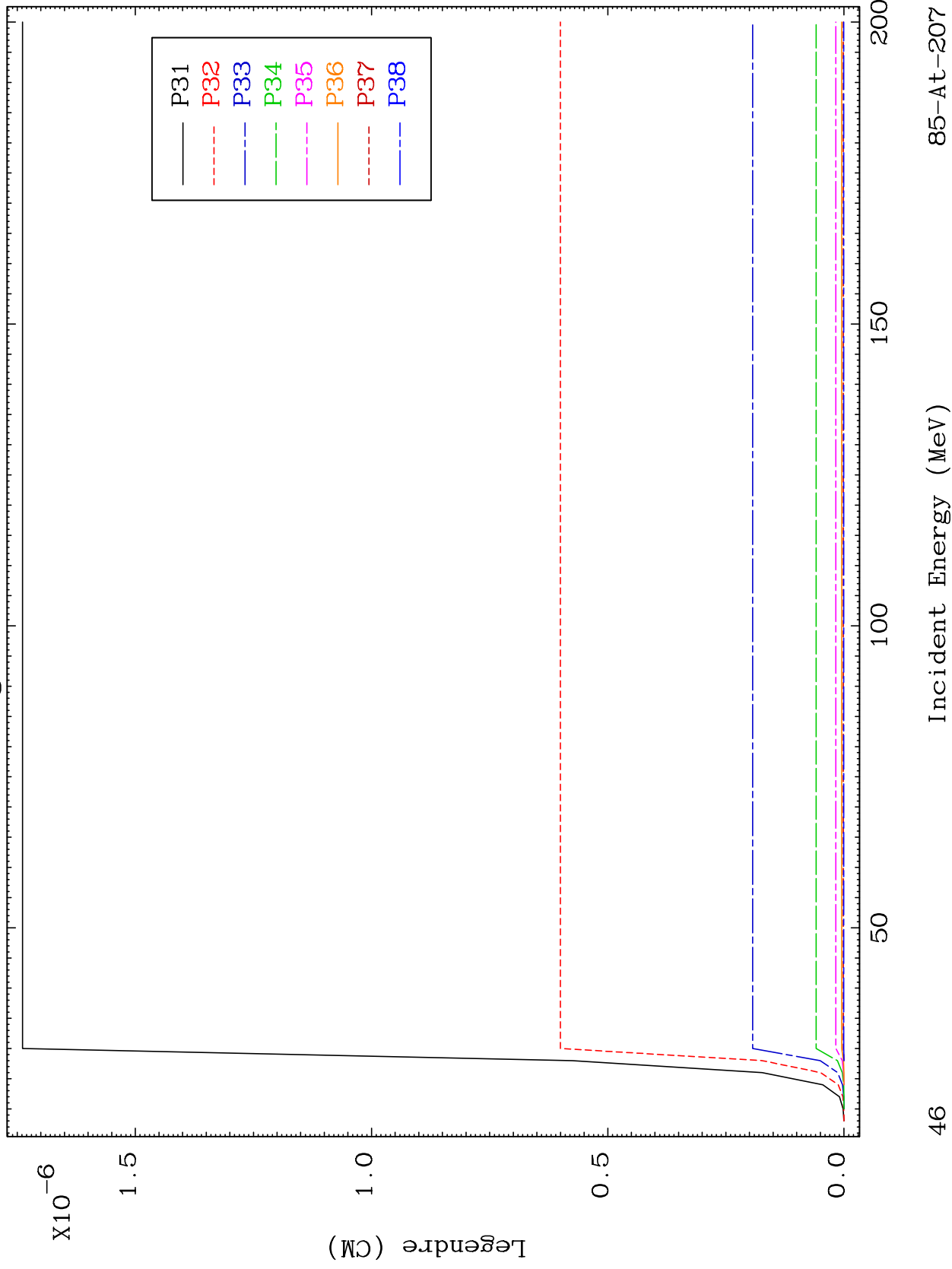
Incident Energy (MeV)

85-At-207

MAT 8537

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

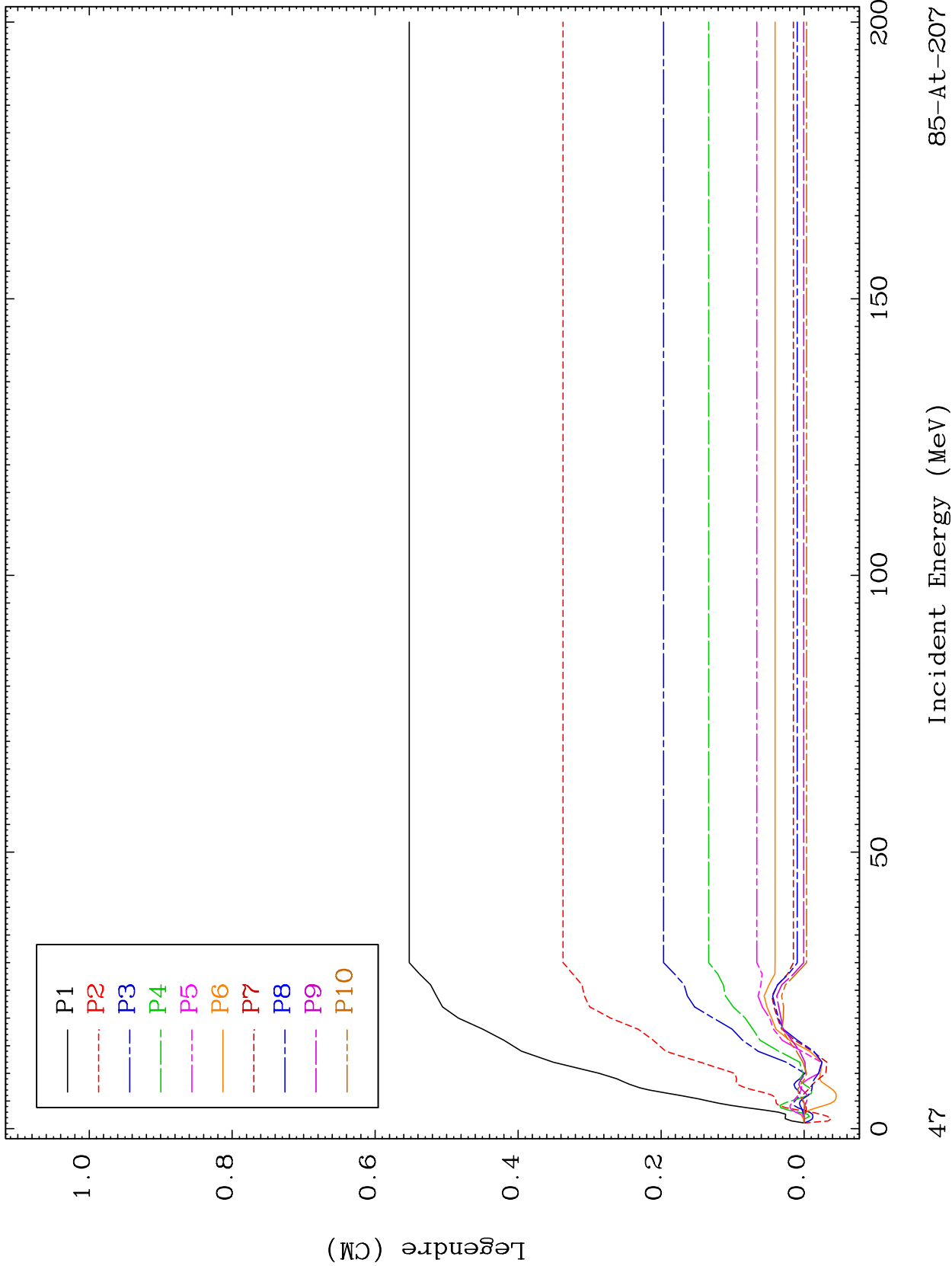
85-At-207



MAT 8537

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

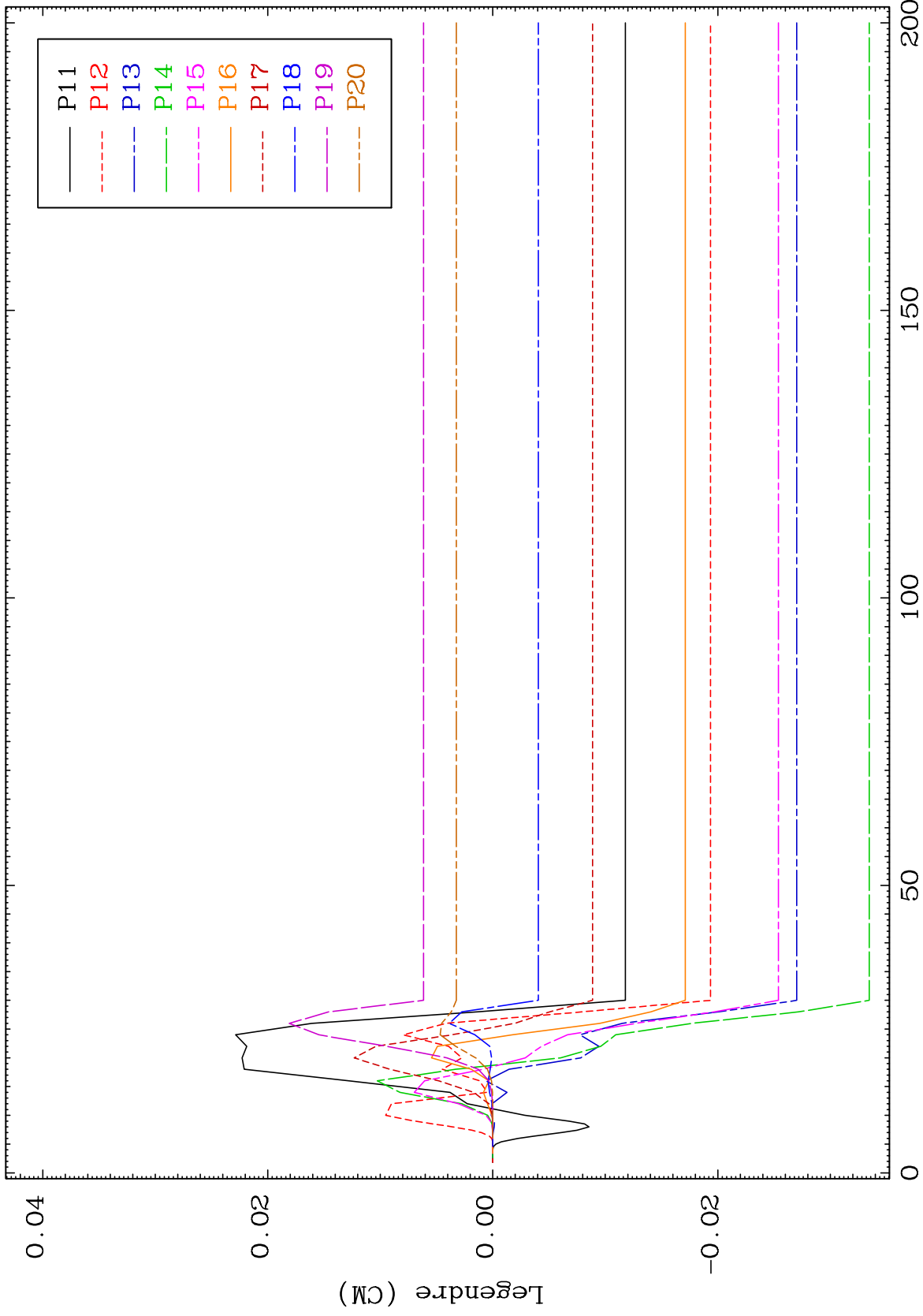
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MAT 8537

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

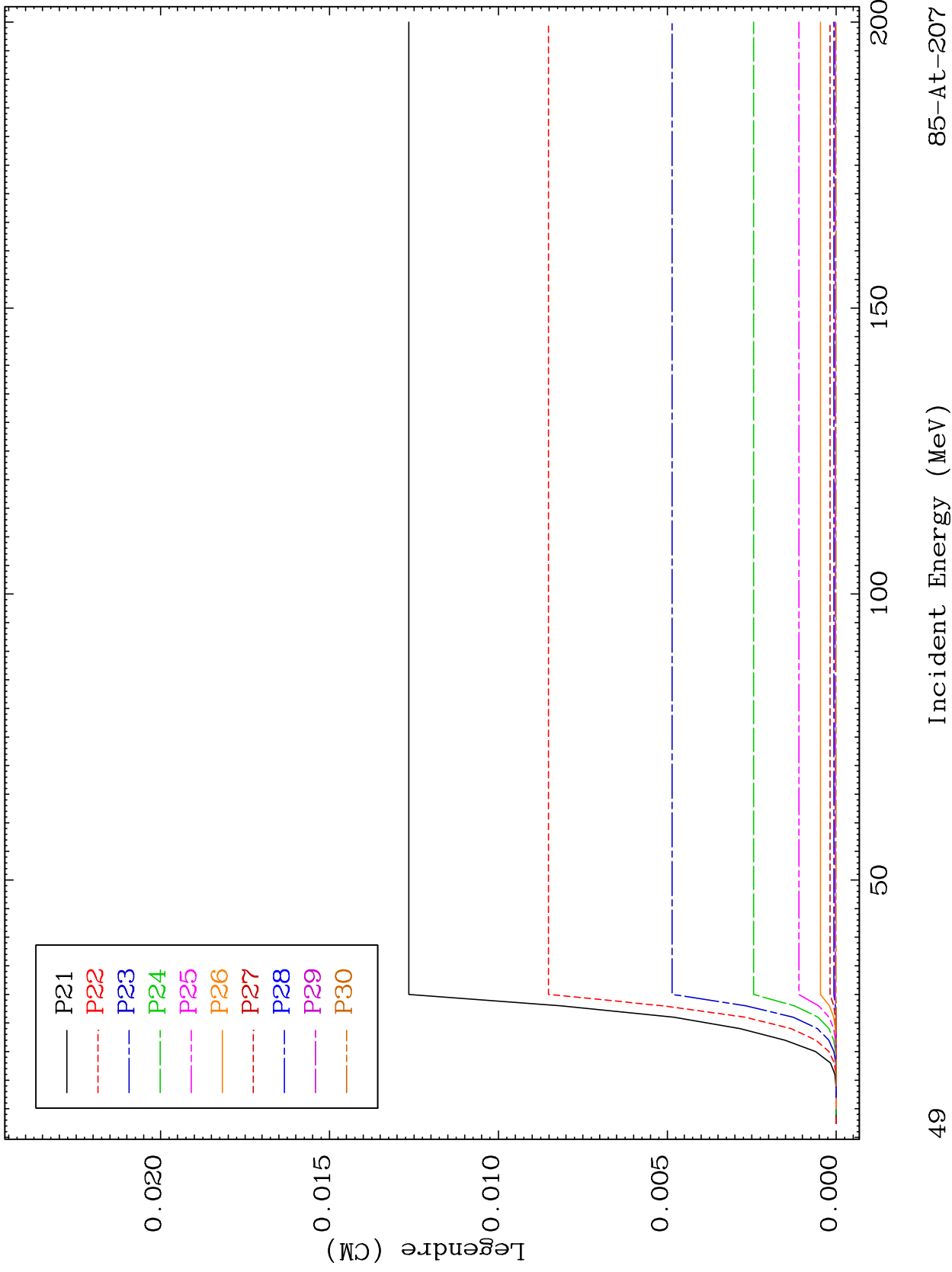
85-At-207



48

Incident Energy (MeV)

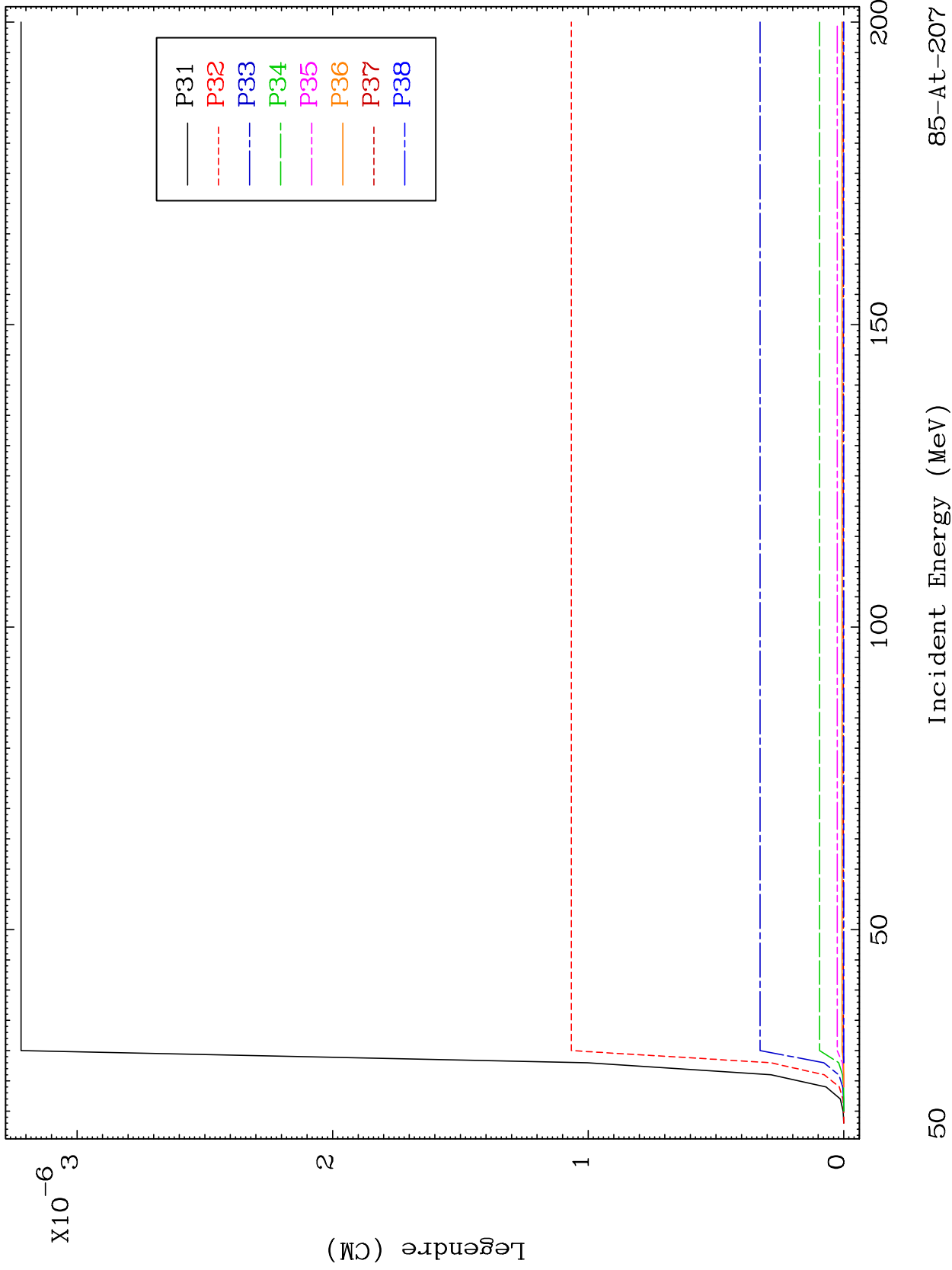
85-At-207



MAT 8537

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

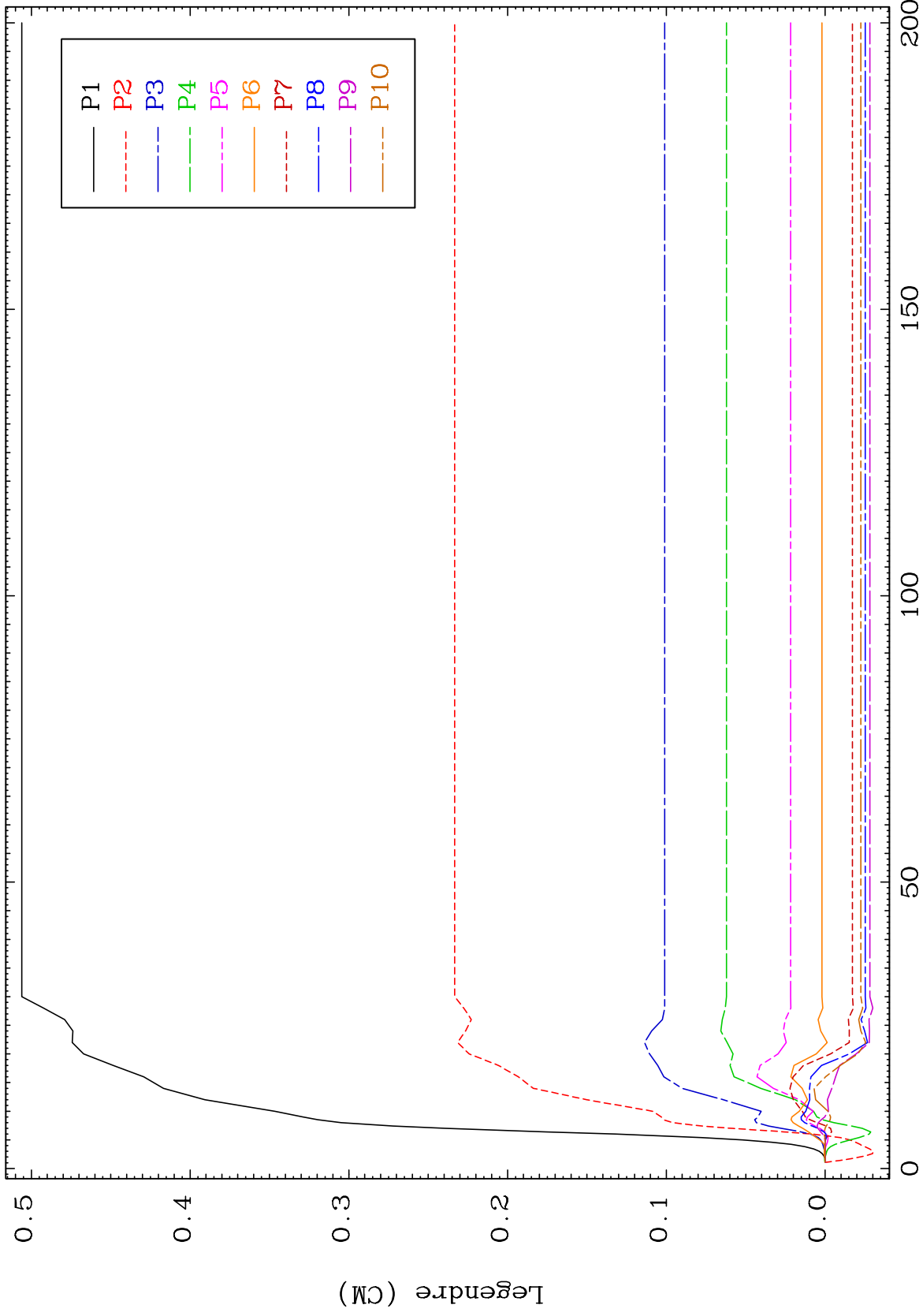
85-At-207



MAT 8537

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

85-At-207



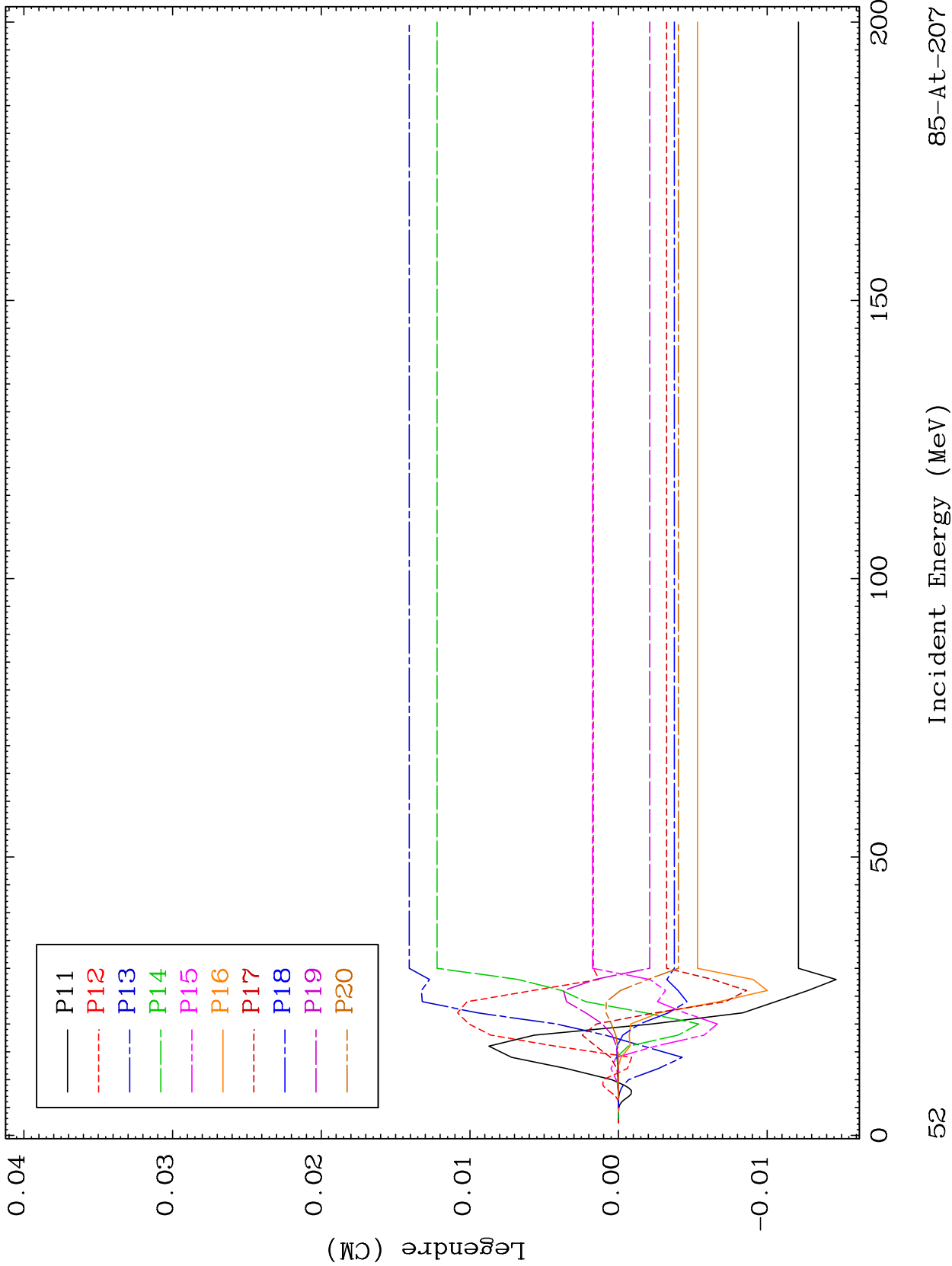
51

85-At-207

MAT 8537

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

85-At-207



52

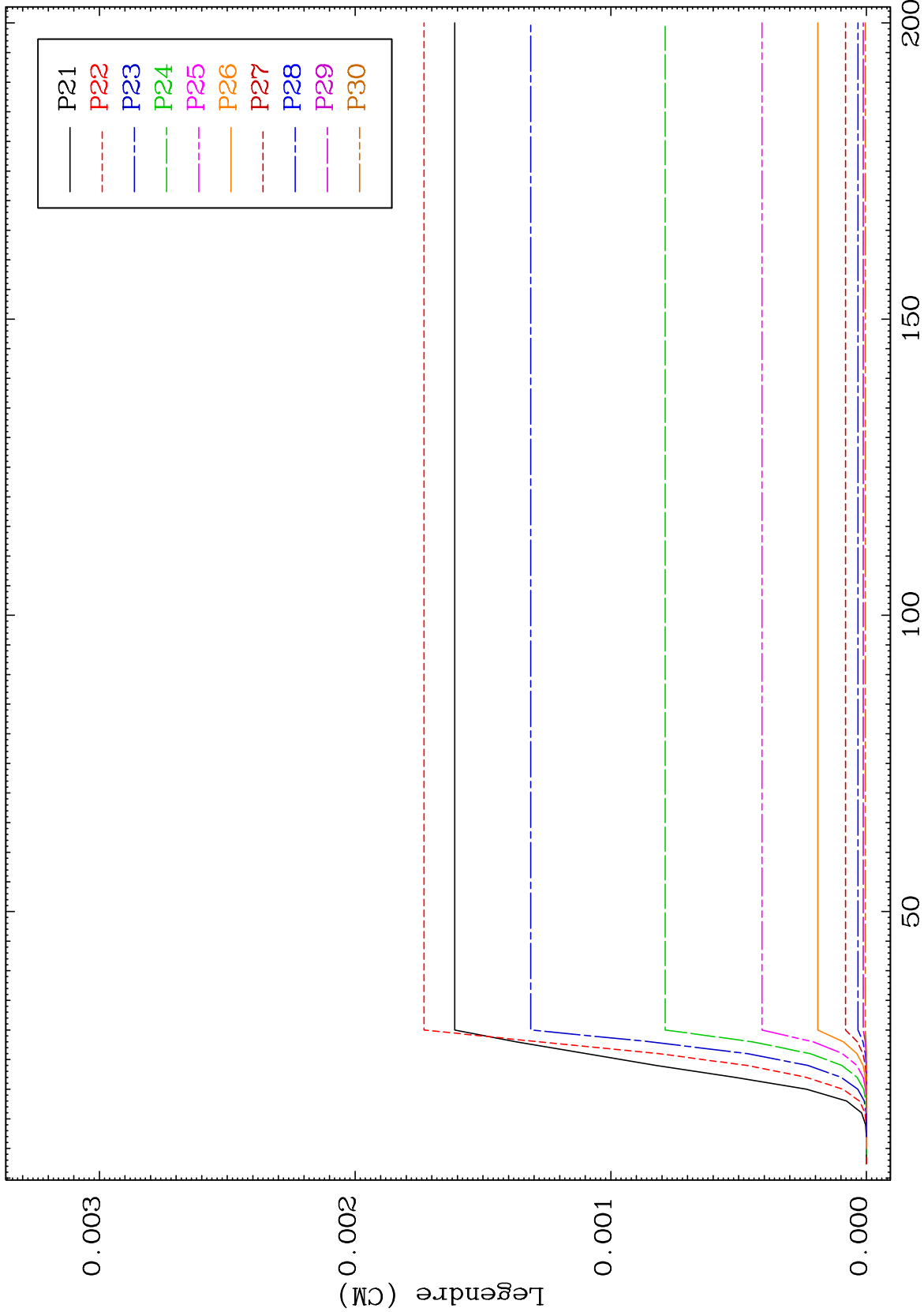
Incident Energy (MeV)

85-At-207

MAT 8537

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

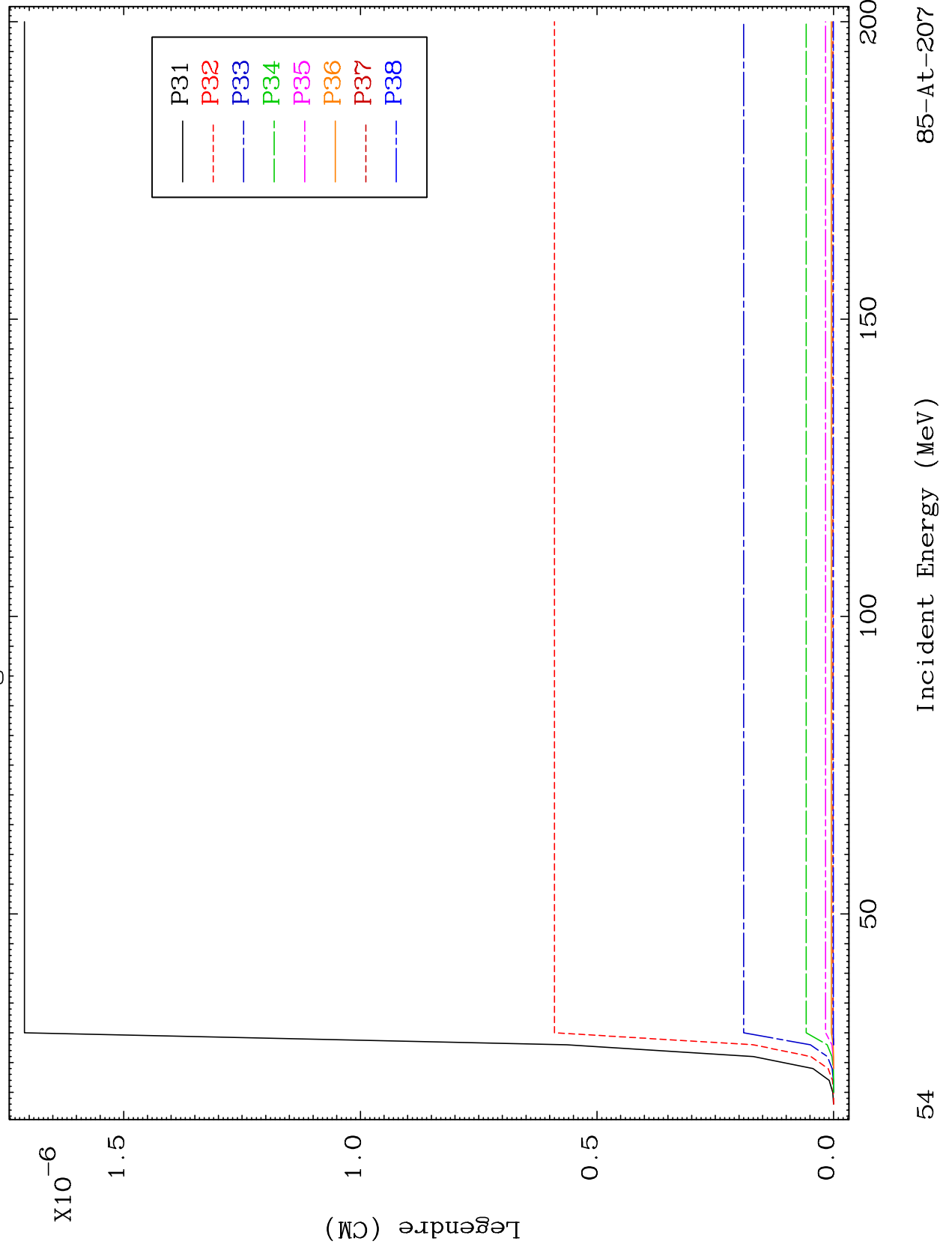
85-At-207



53

Incident Energy (MeV)

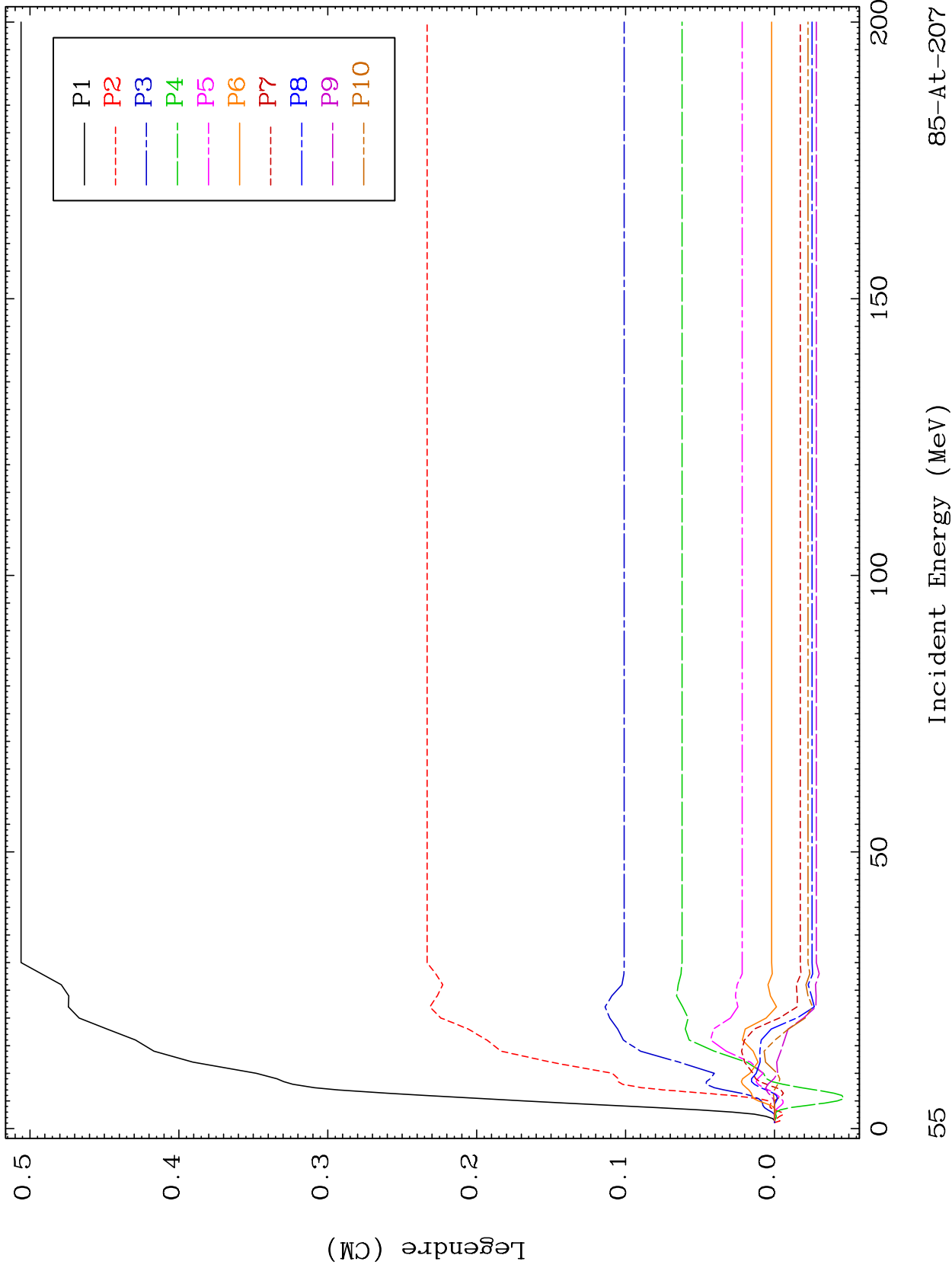
85-At-207



MAT 8537

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

85-At-207



85-At-207

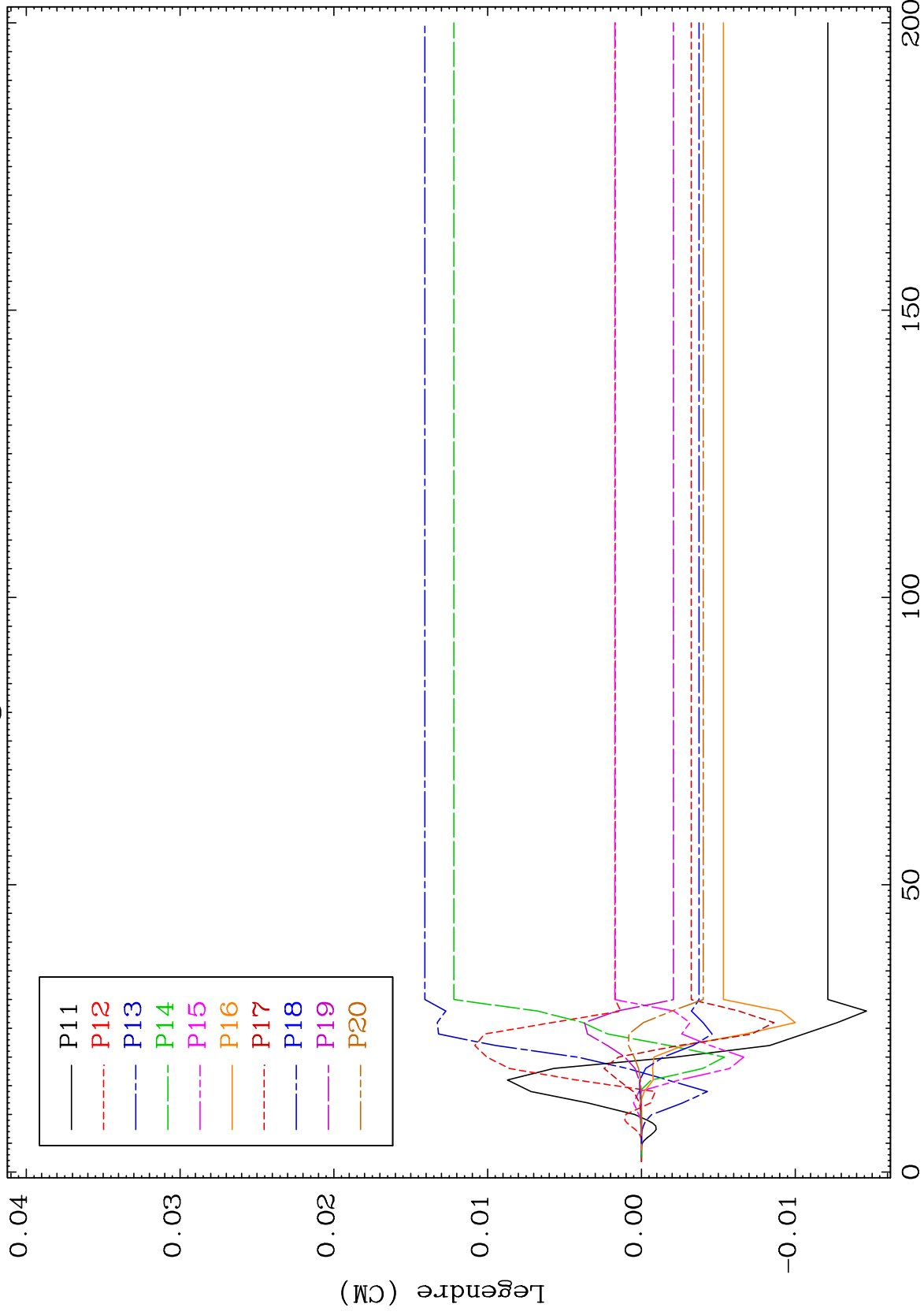
Incident Energy (MeV)

55

MAT 8537

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

85-At-207



56

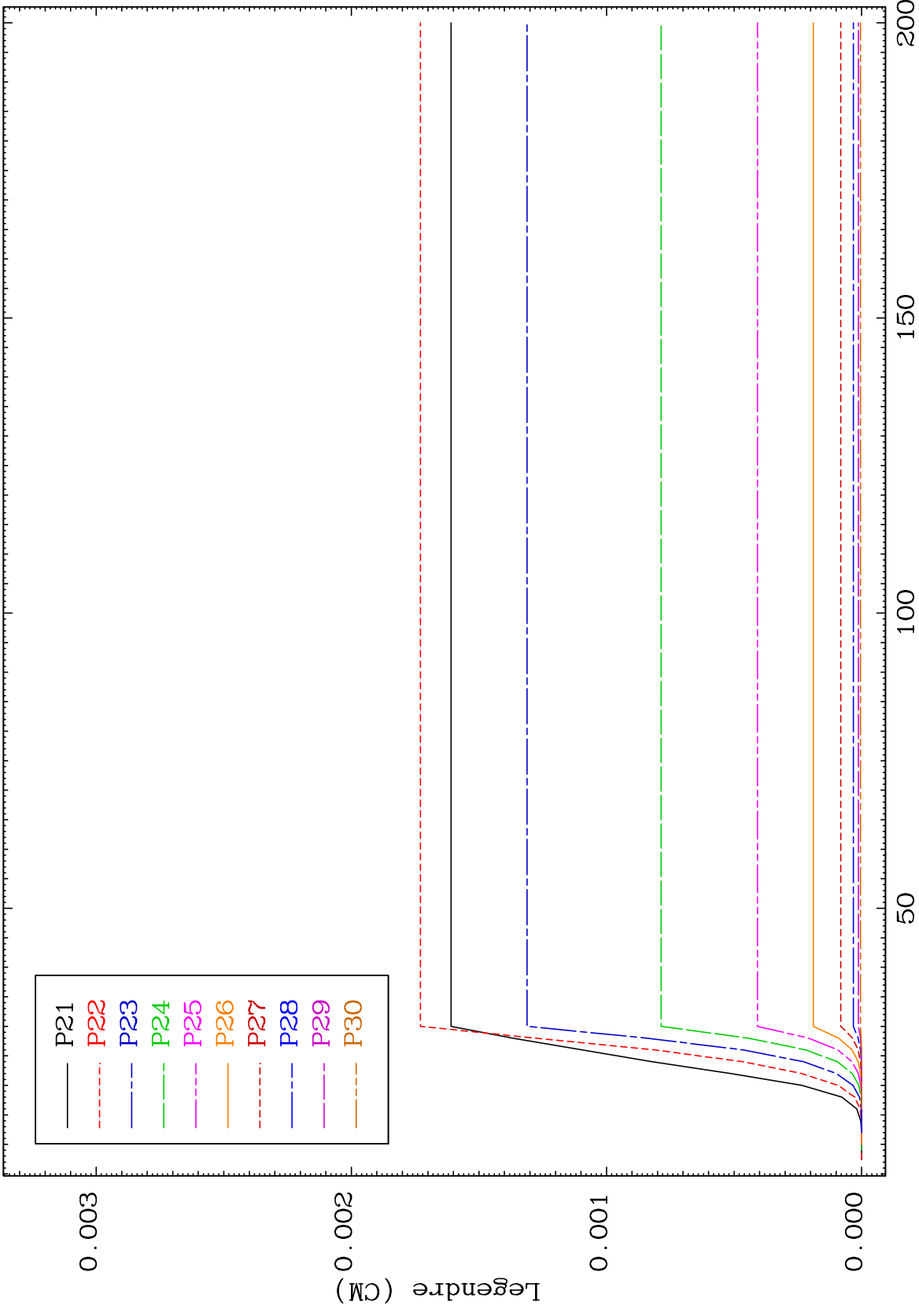
Incident Energy (MeV)

85-At-207

MAT 8537

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

85-At-207



57

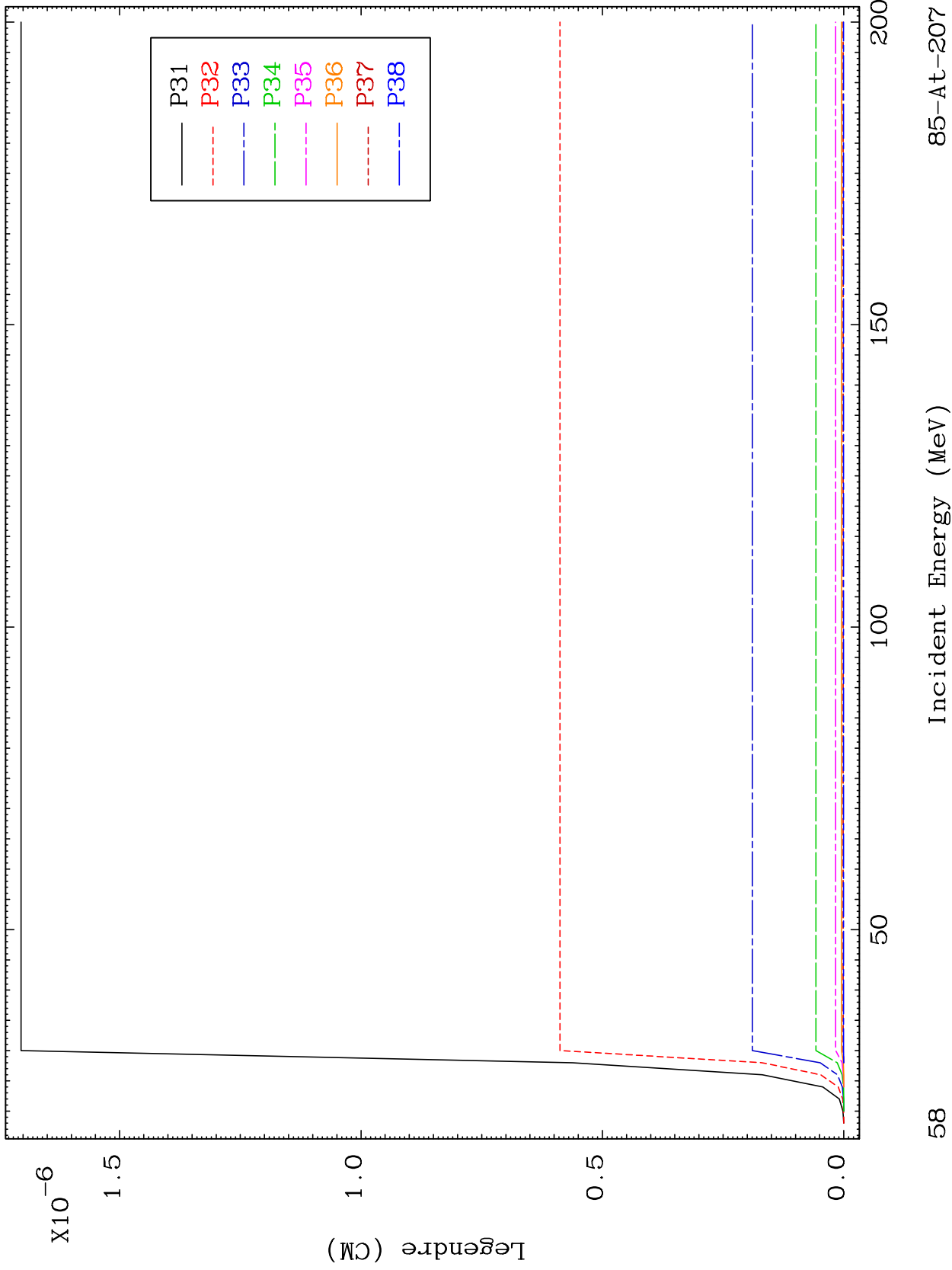
Incident Energy (MeV)

85-At-207

MAT 8537

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

85-At-207



58

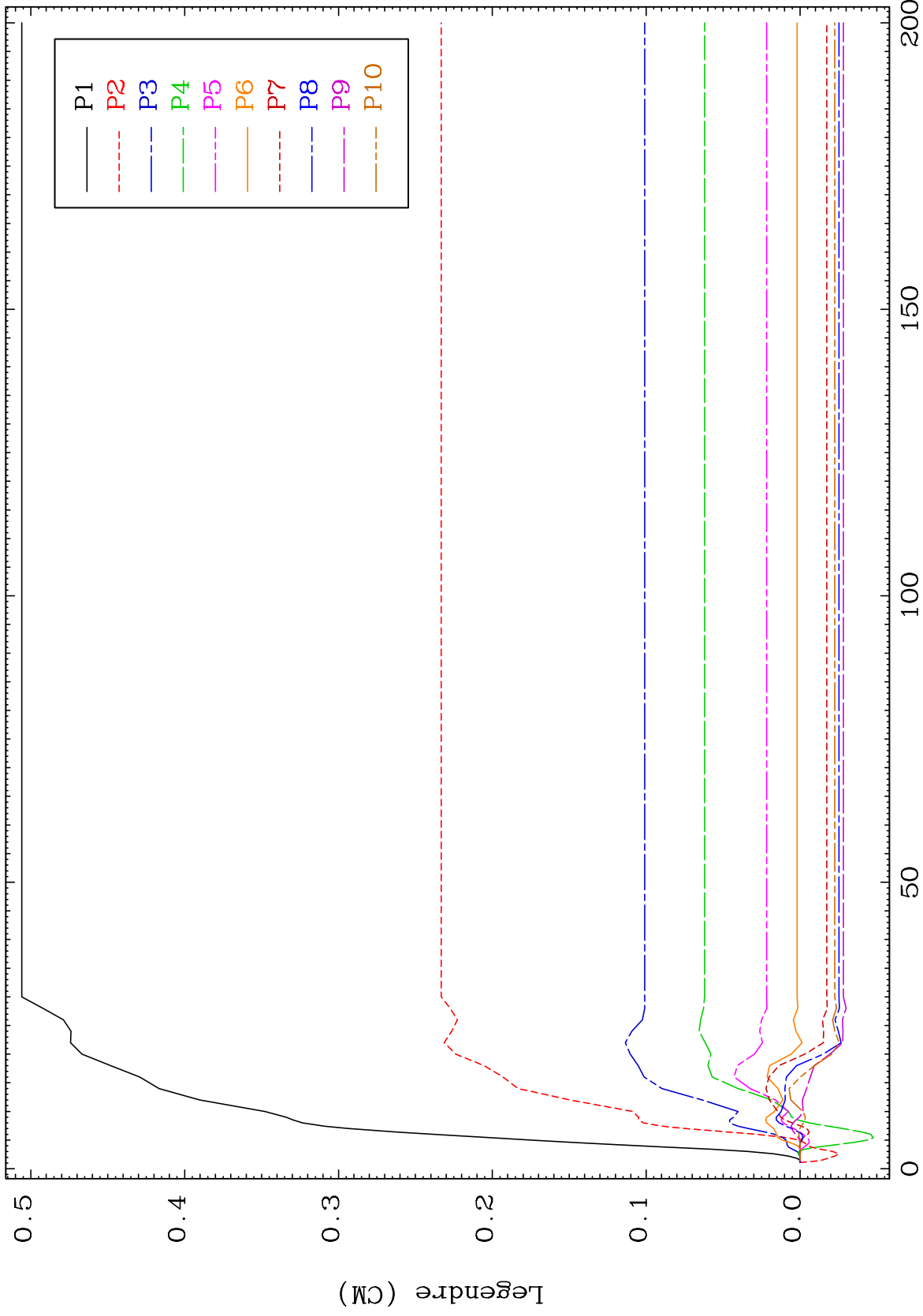
Incident Energy (MeV)

85-At-207

MAT 8537

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

85-At-207



59

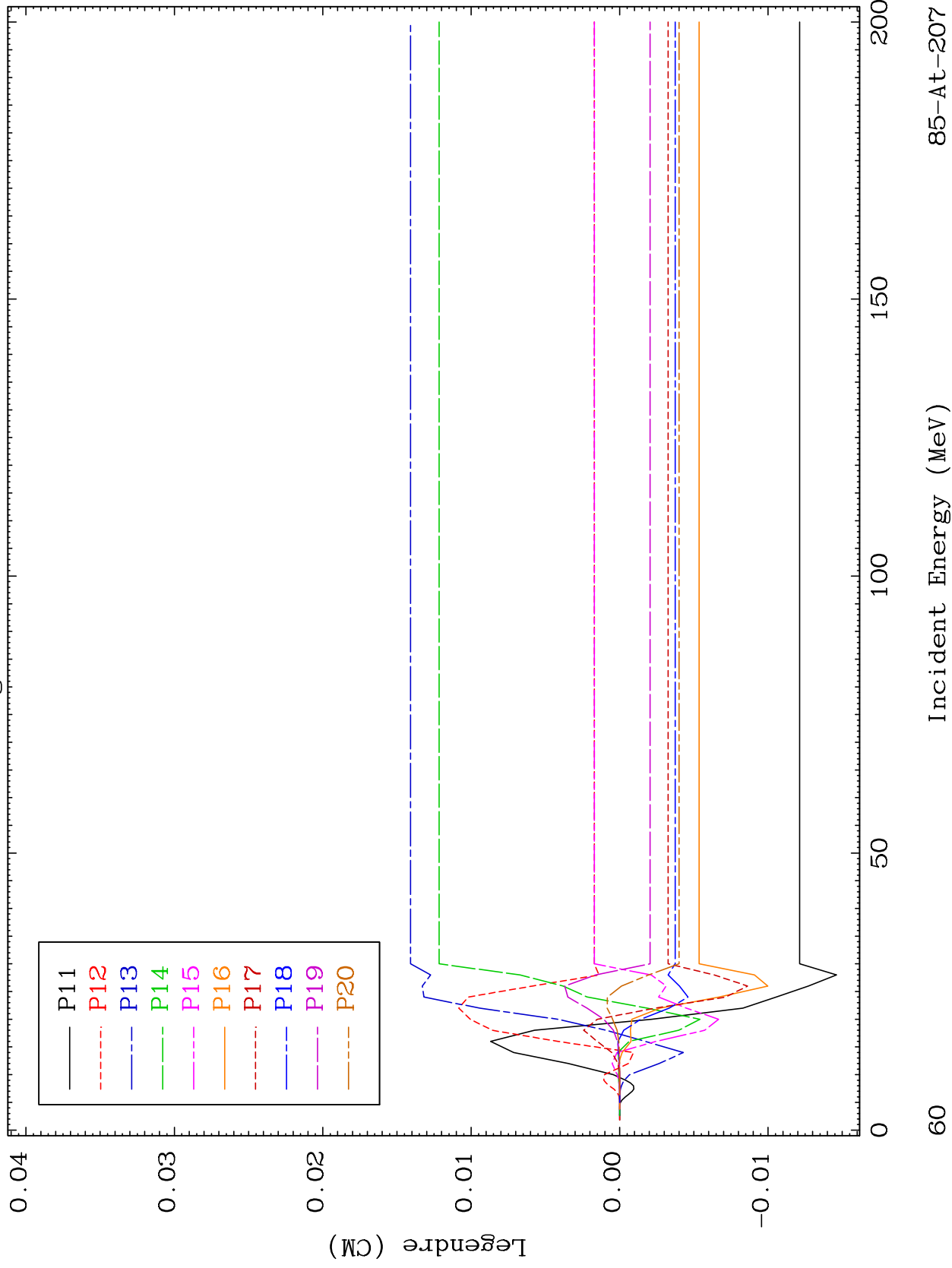
Incident Energy (MeV)

85-At-207

MAT 8537

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

85-At-207



85-At-207

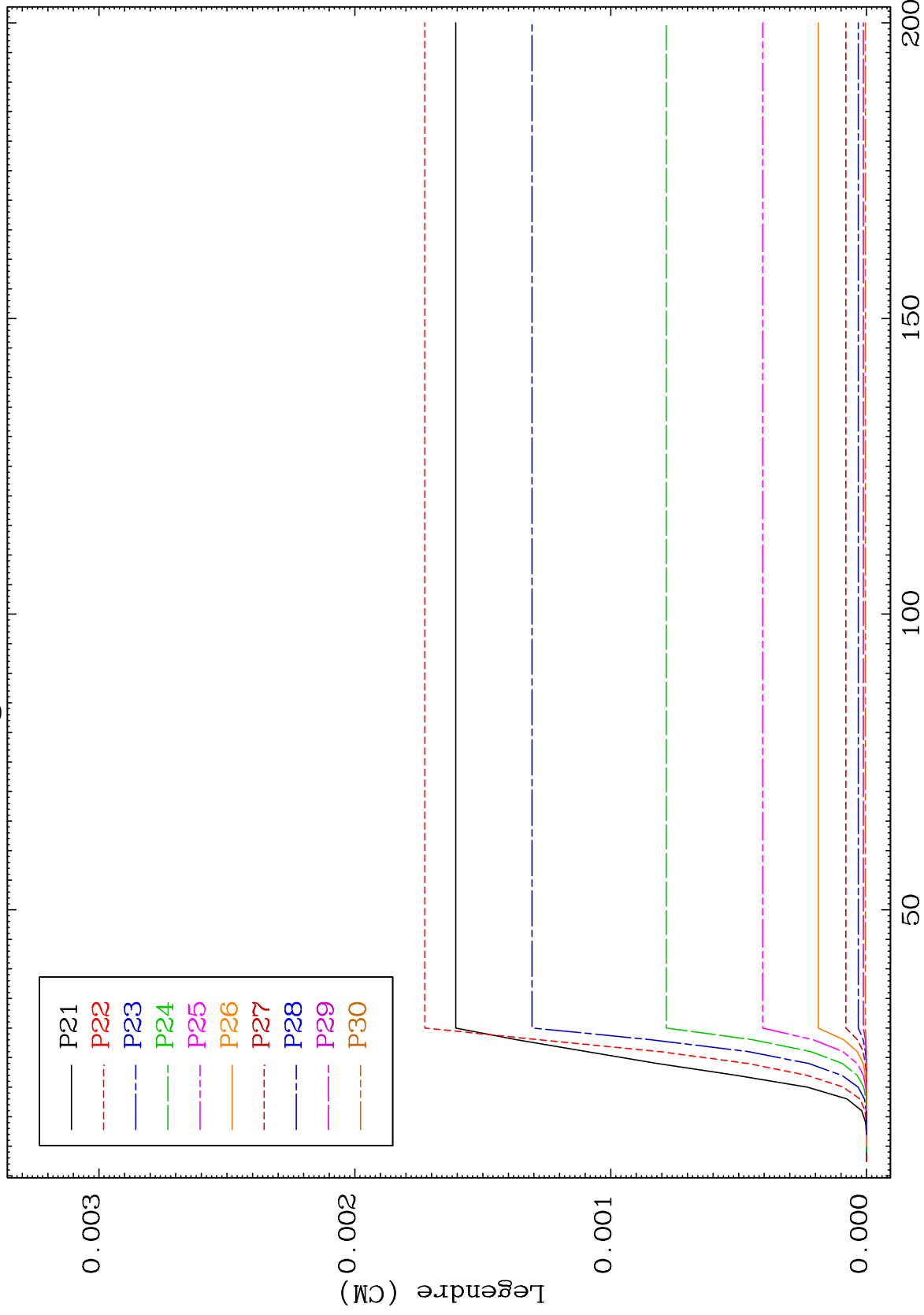
Incident Energy (MeV)

60

MAT 8537

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

85-At-207



61

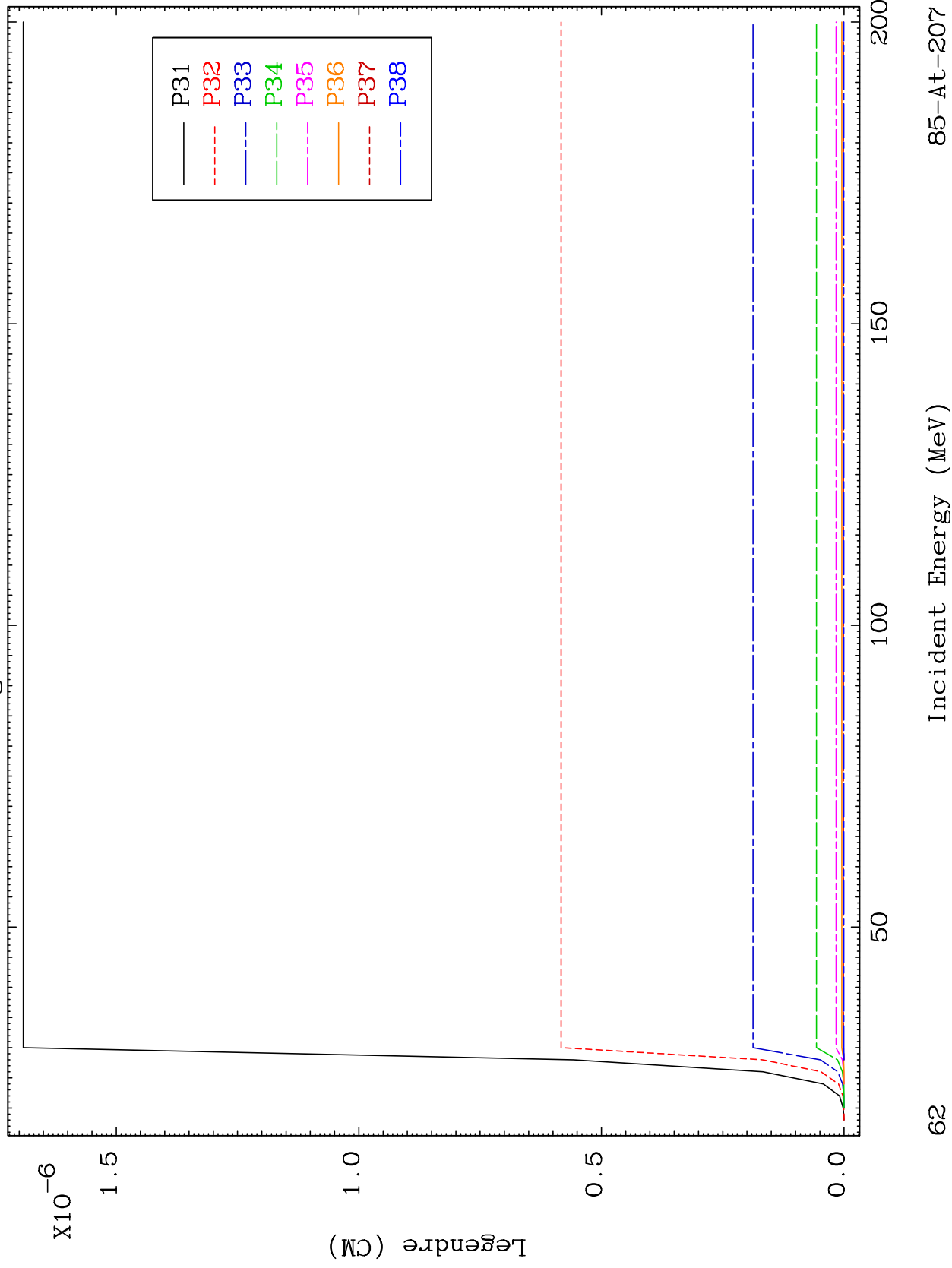
Incident Energy (MeV)

85-At-207

MAT 8537

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

85-At-207



62

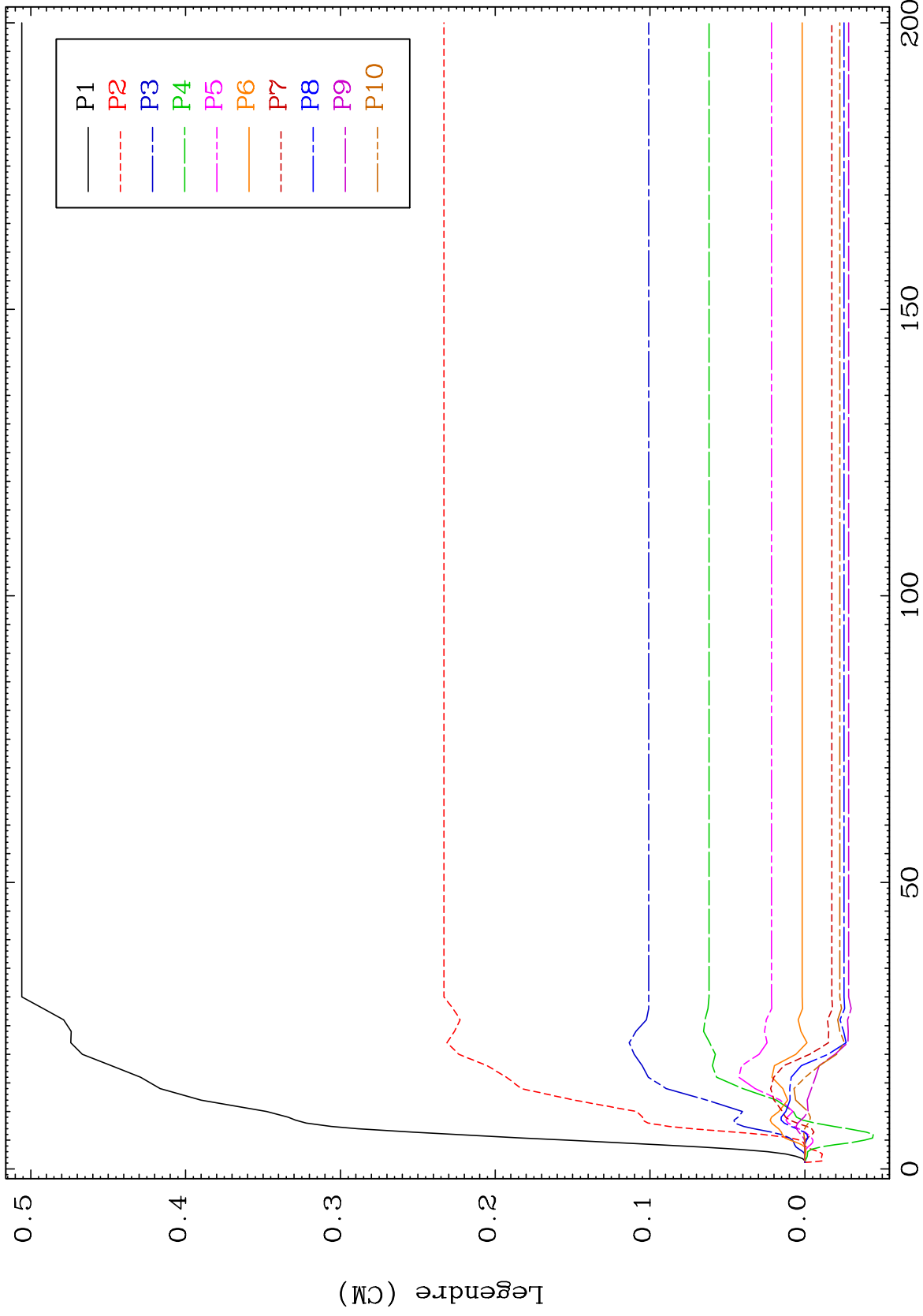
Incident Energy (MeV)

85-At-207

MAT 8537

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

85-At-207



63

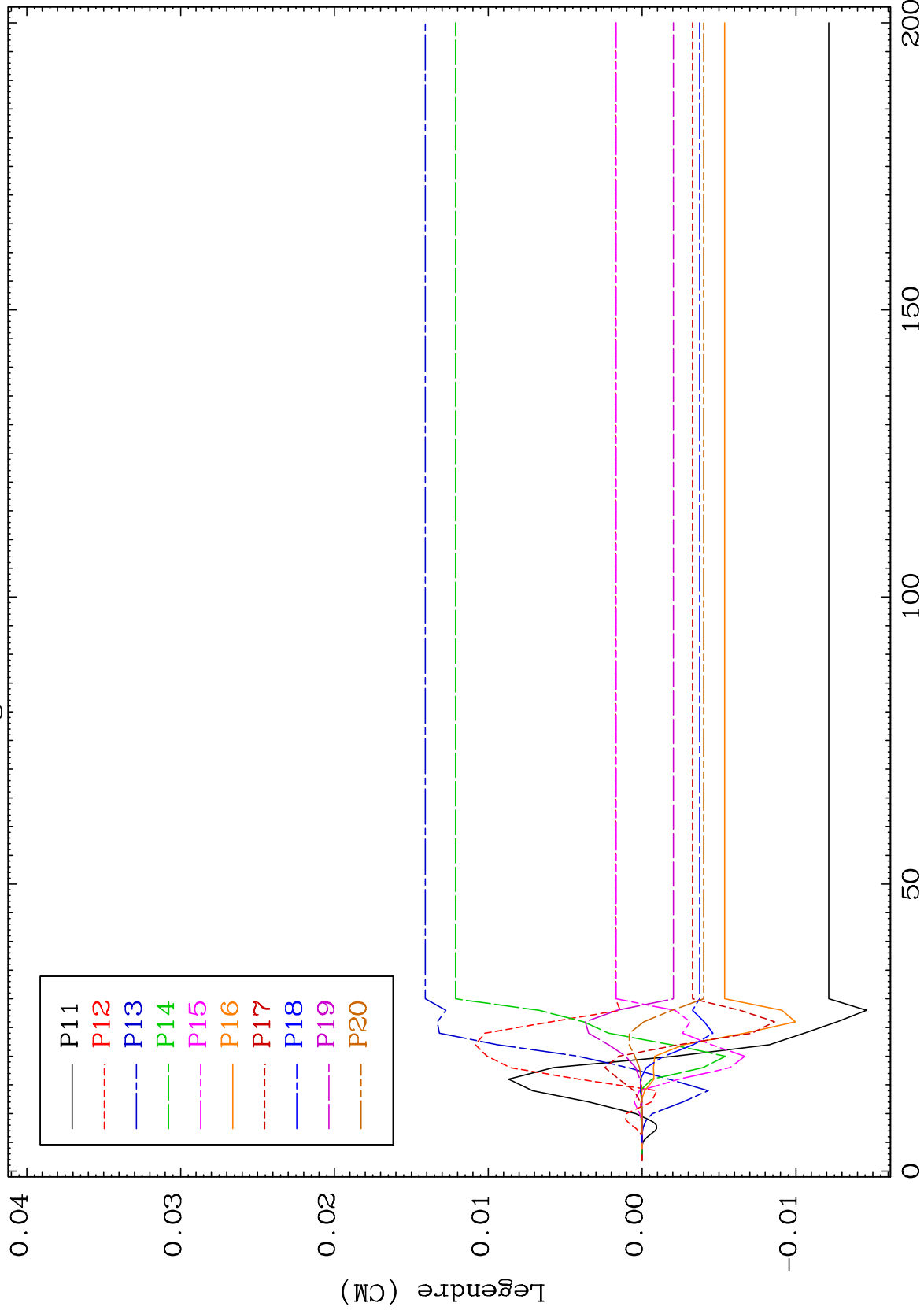
Incident Energy (MeV)

85-At-207

MAT 8537

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

85-At-207



64

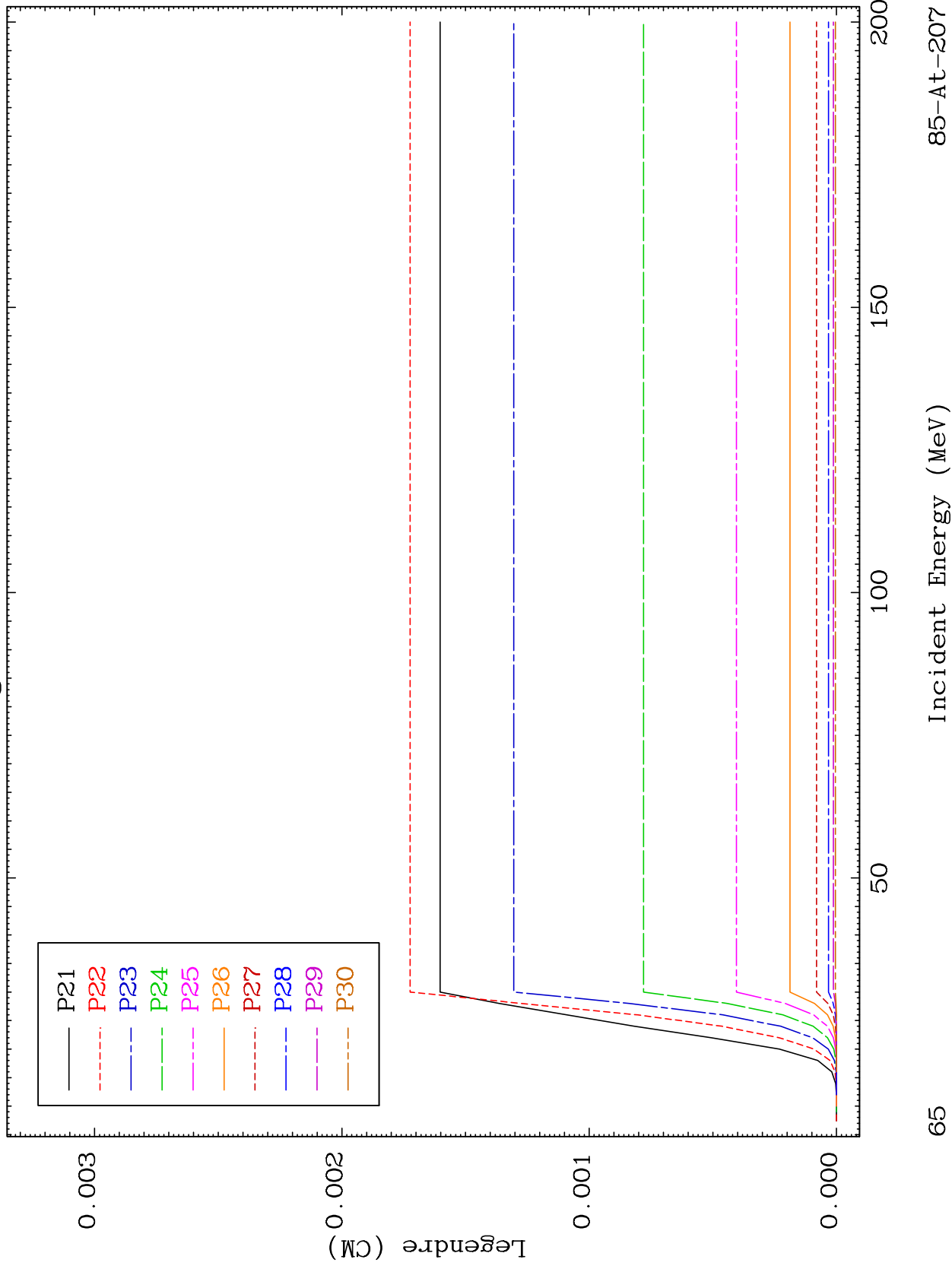
Incident Energy (MeV)

85-At-207

MAT 8537

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

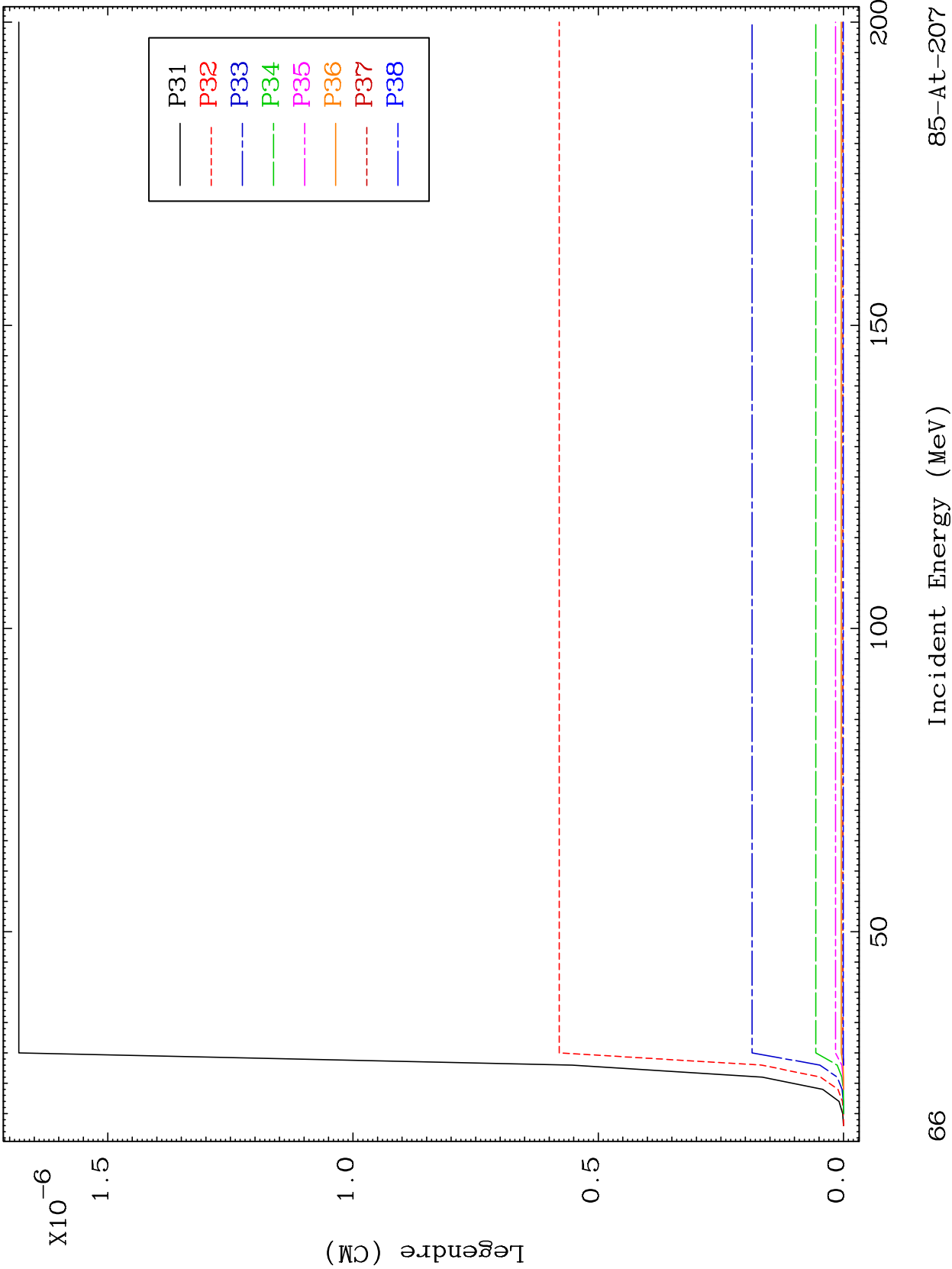
85-At-207



65

Incident Energy (MeV)

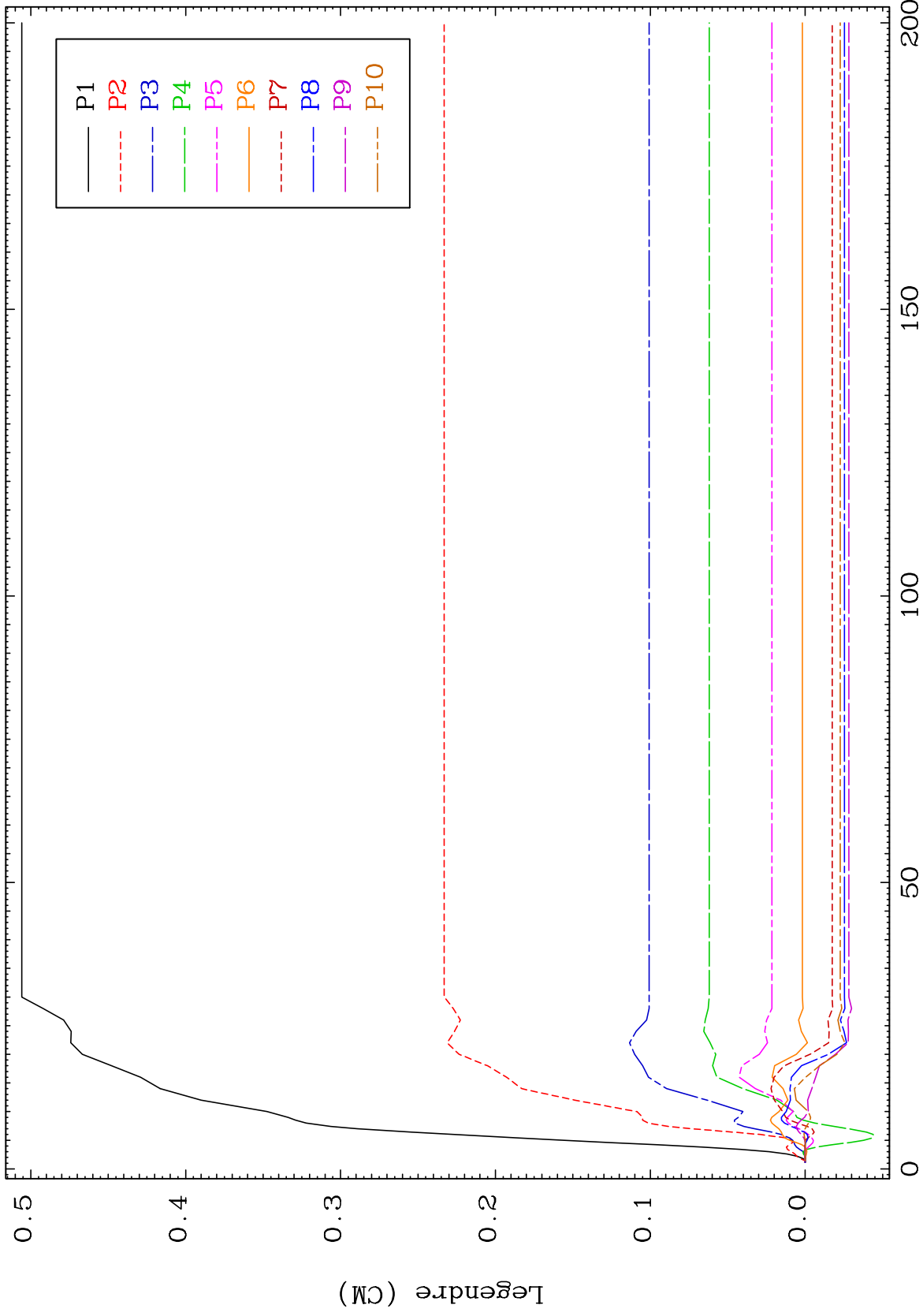
85-At-207



MAT 8537

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

85-At-207



67

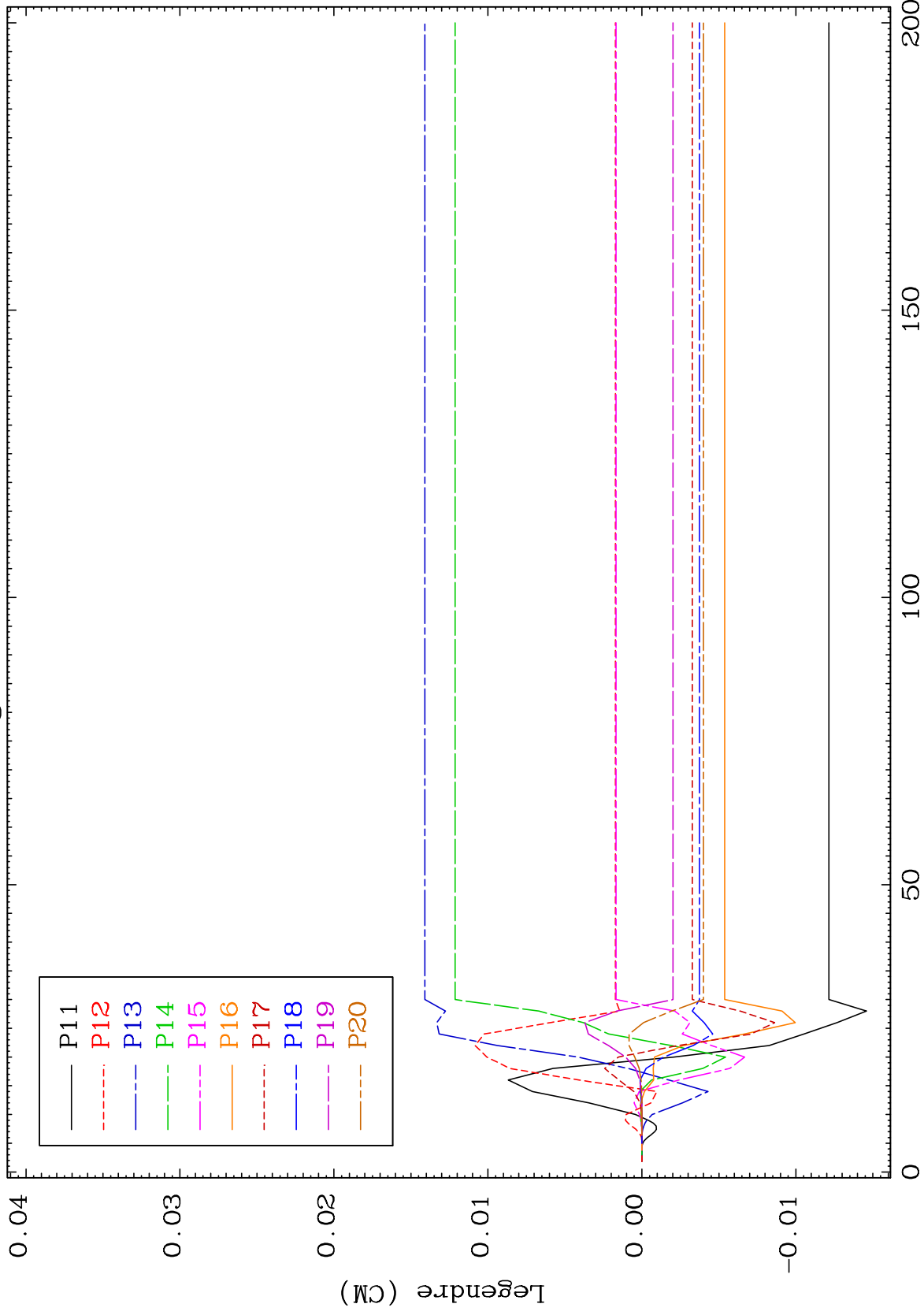
Incident Energy (MeV)

85-At-207

MAT 8537

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

85-At-207



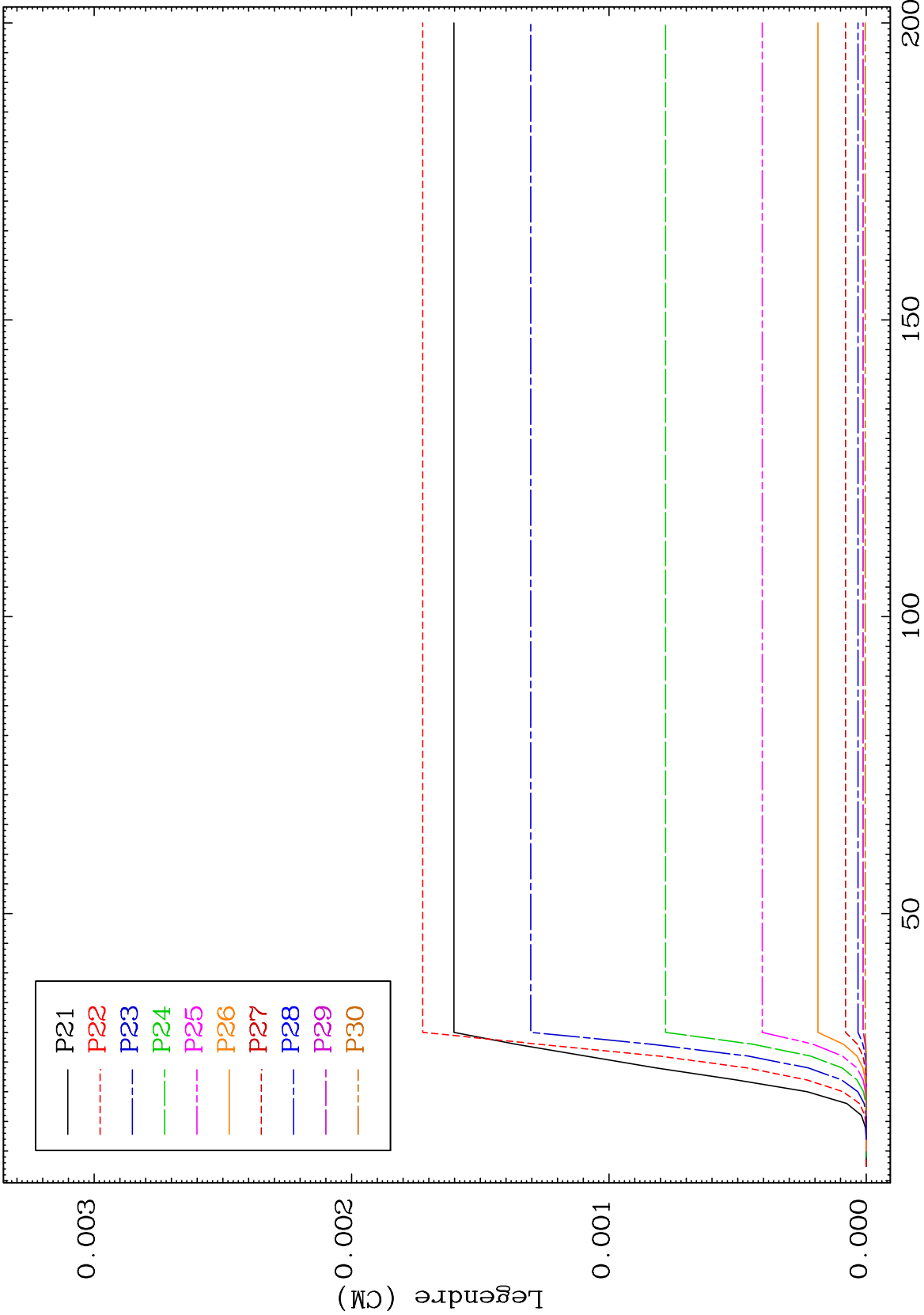
68

85-At-207

MAT 8537

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

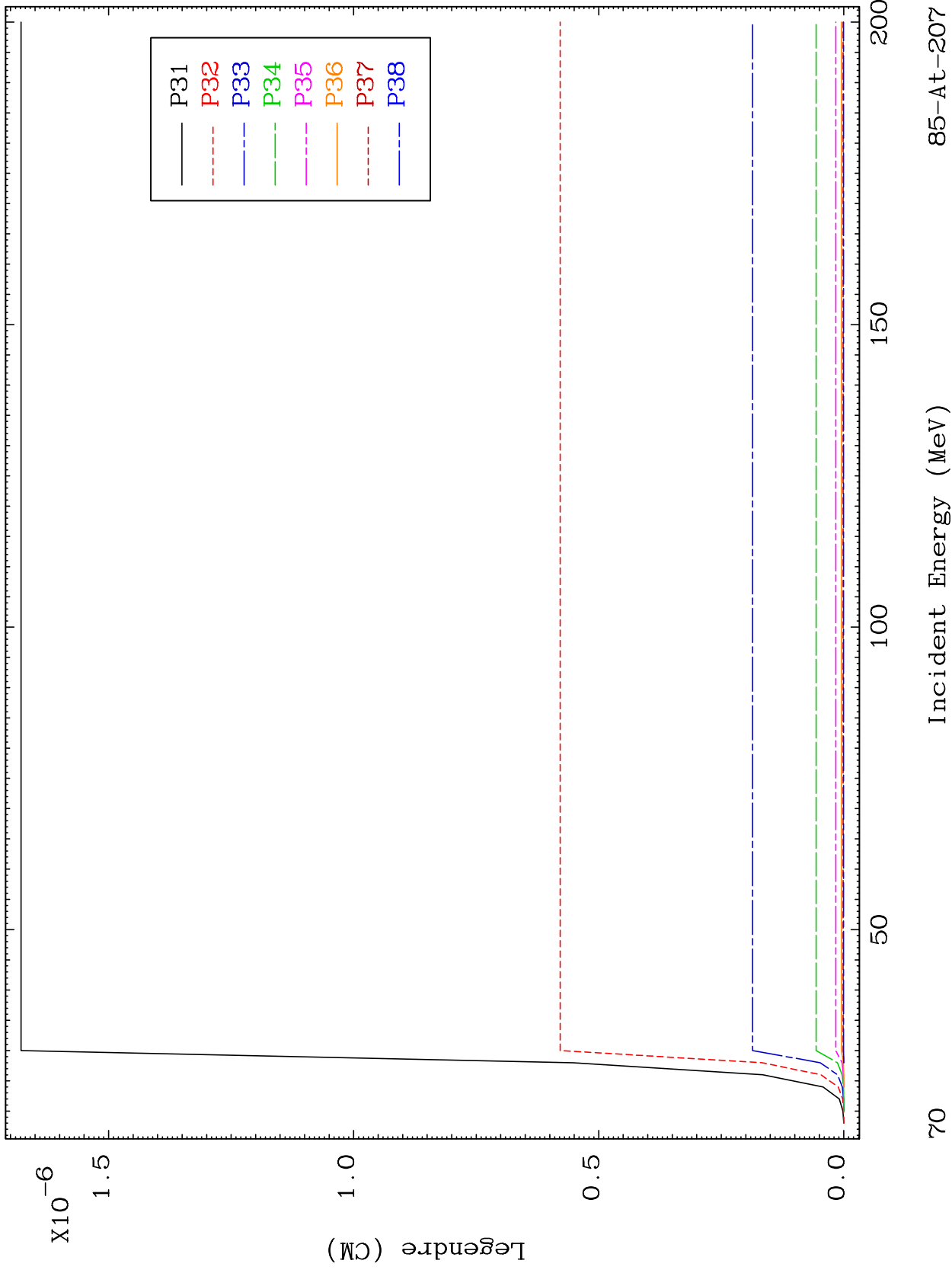
85-At-207



MAT 8537

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

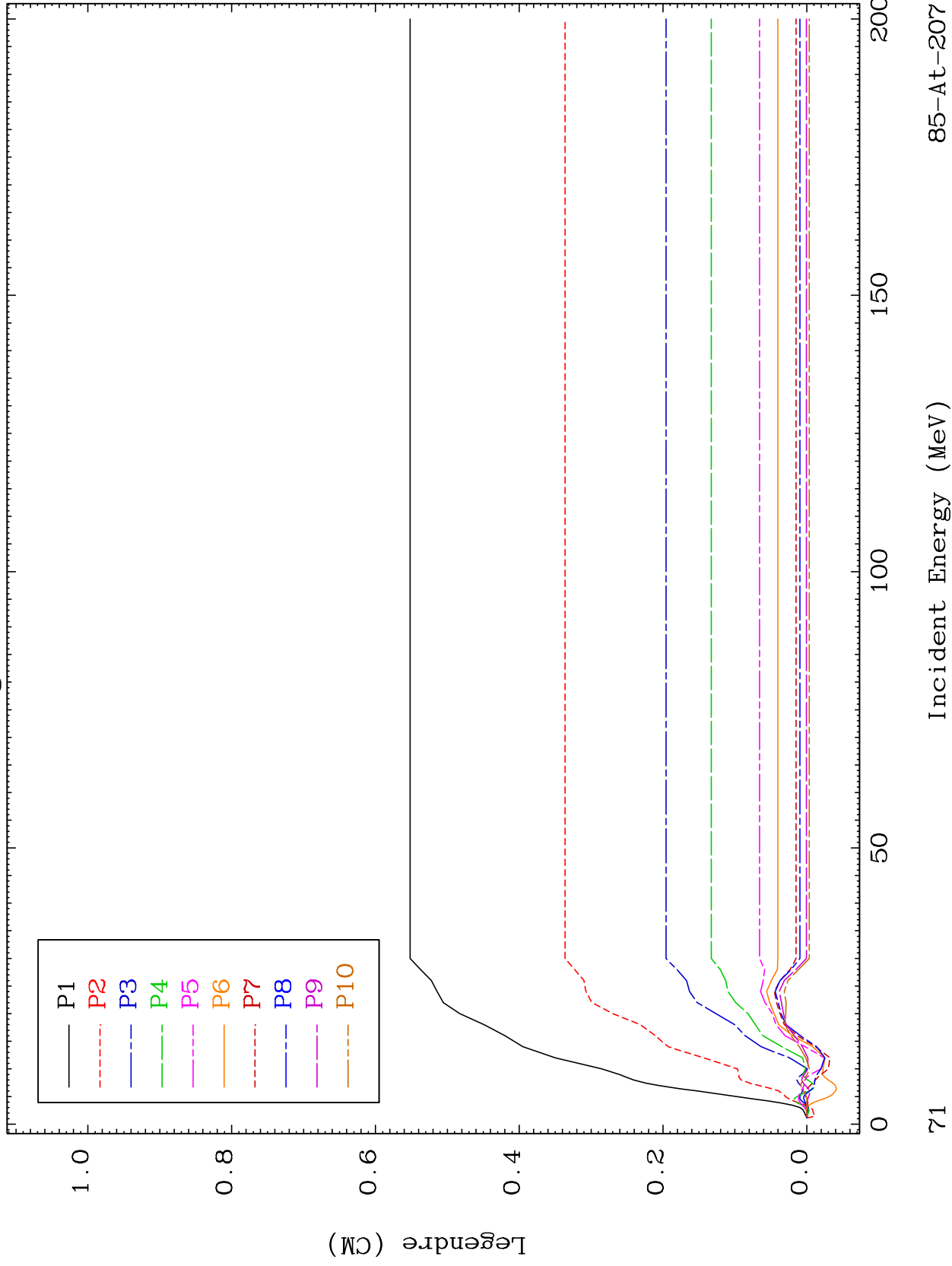
85-At-207



85-At-207

Incident Energy (MeV)

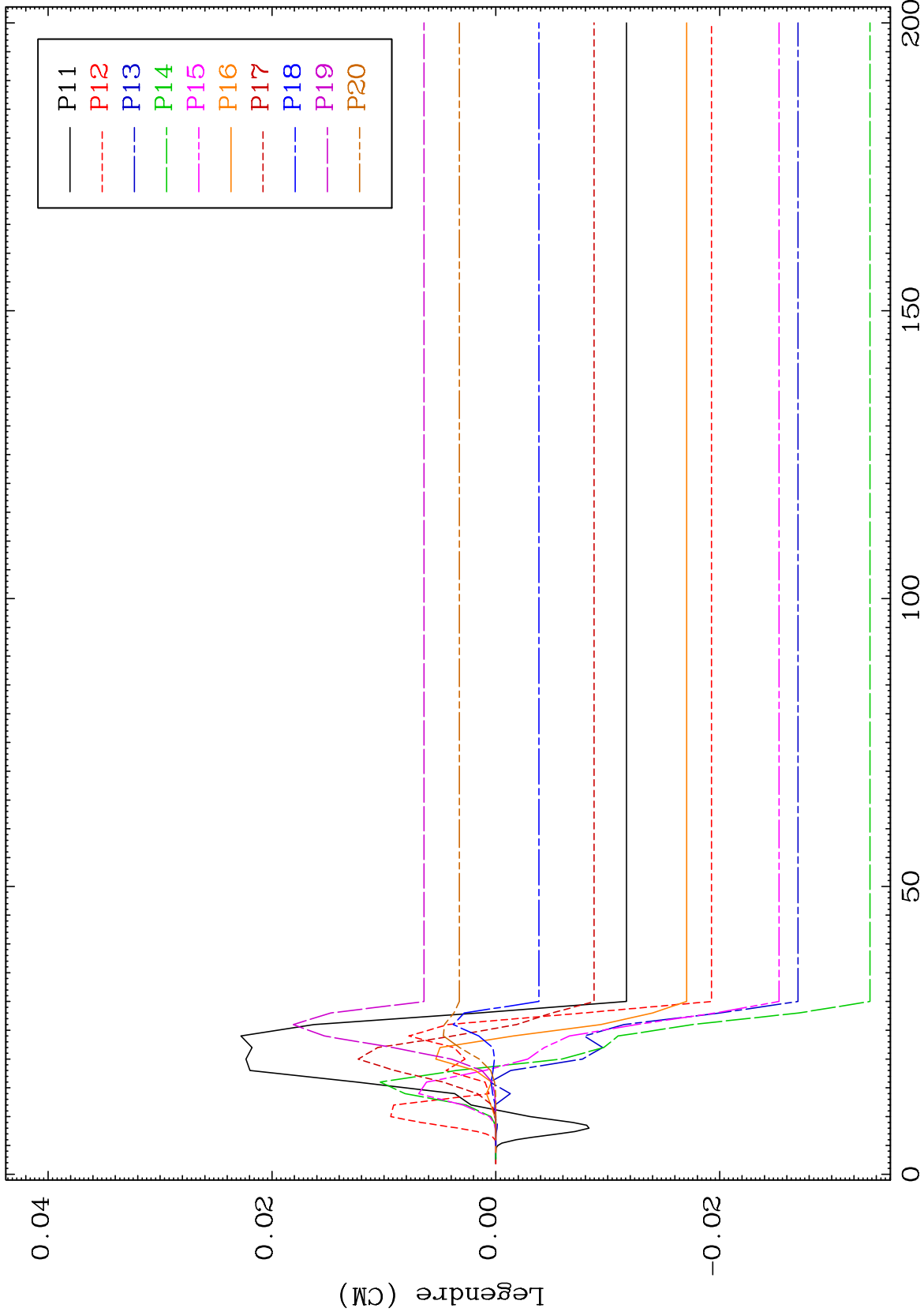
70



MAT 8537

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

85-At-207



72

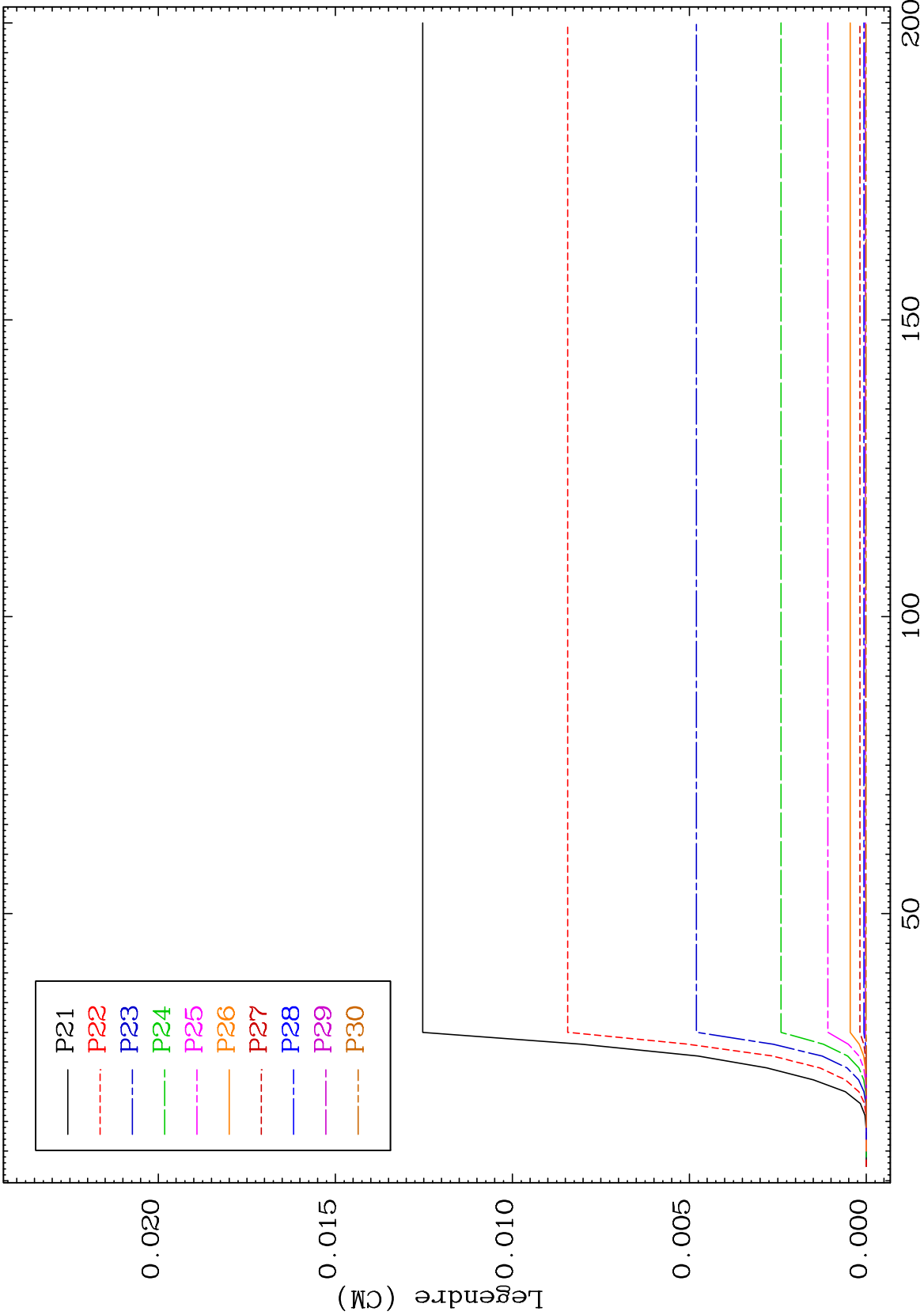
Incident Energy (MeV)

85-At-207

MAT 8537

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

85-At-207



73

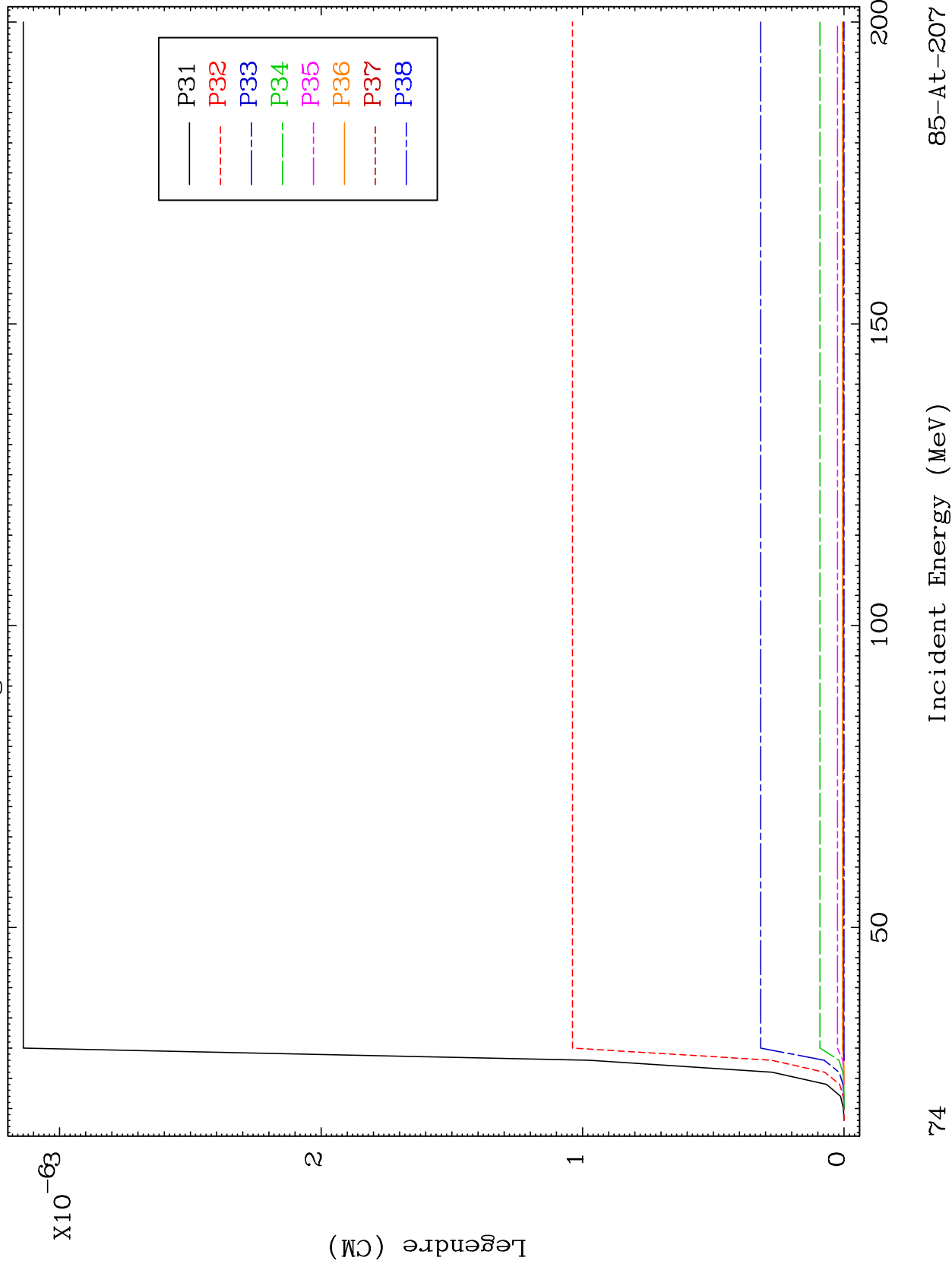
Incident Energy (MeV)

85-At-207

MAT 8537

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

85-At-207



74

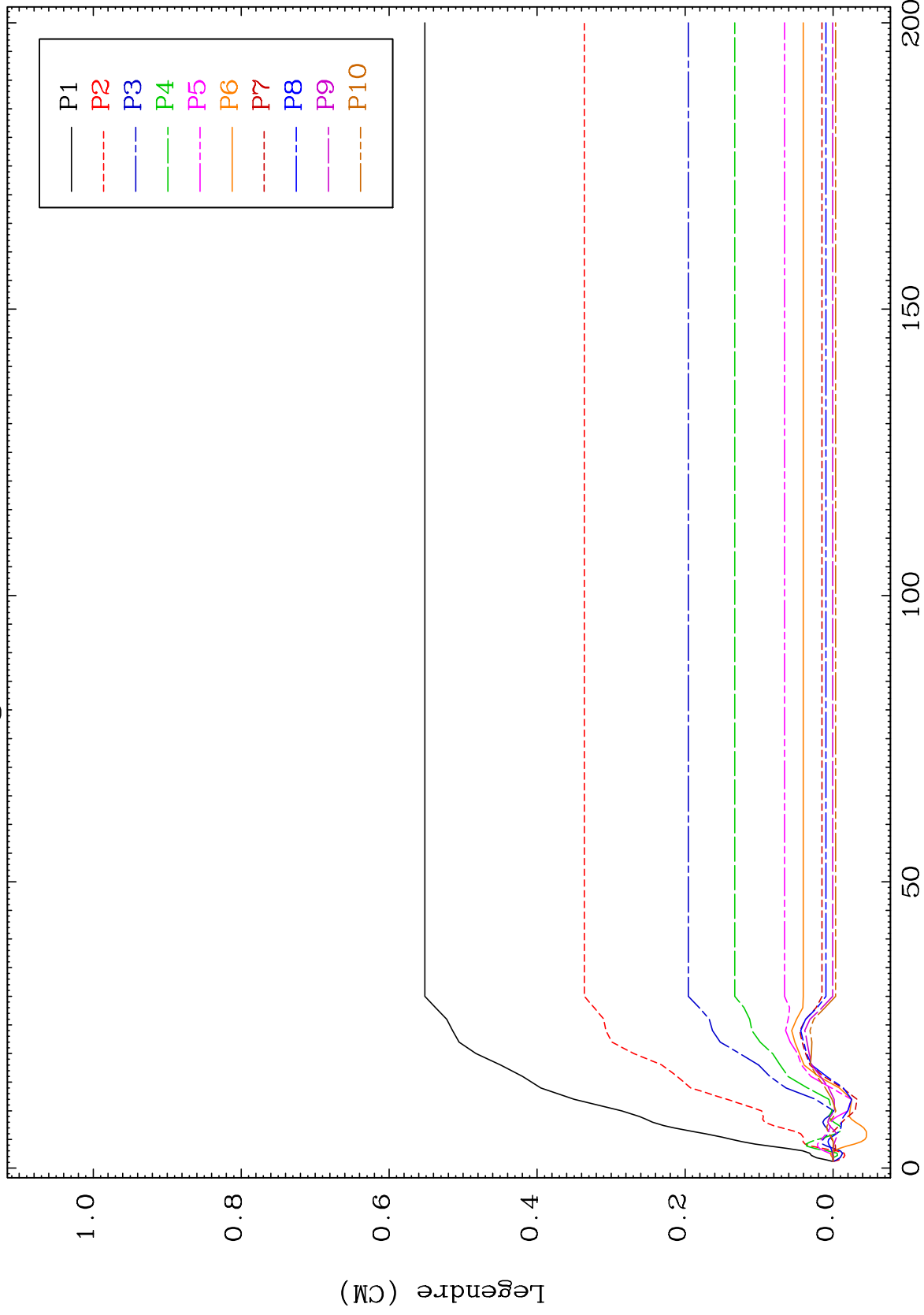
Incident Energy (MeV)

85-At-207

MAT 8537

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

85-At-207



75

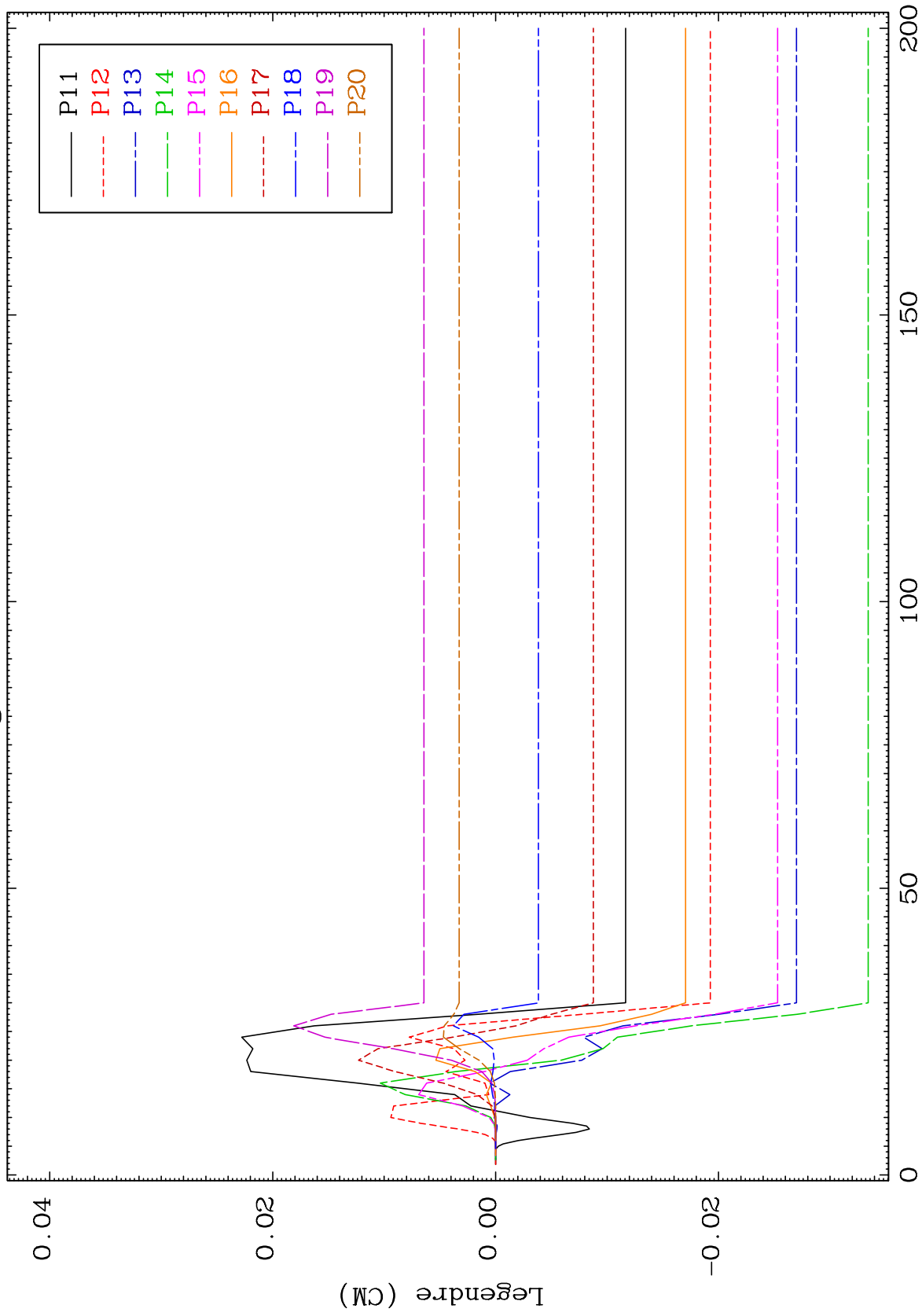
Incident Energy (MeV)

85-At-207

MAT 8537

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

85-At-207



76

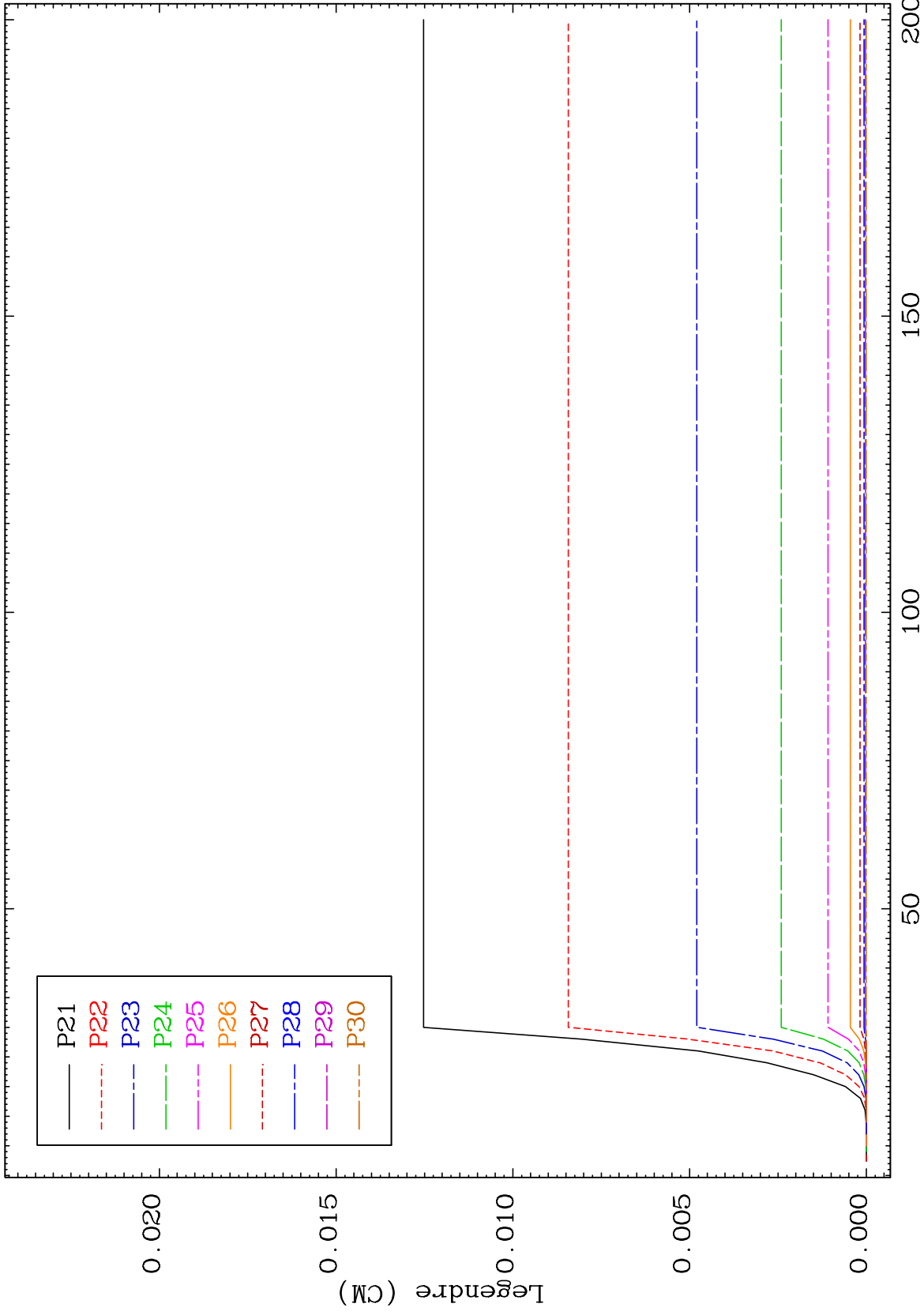
Incident Energy (MeV)

85-At-207

MAT 8537

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

85-At-207



77

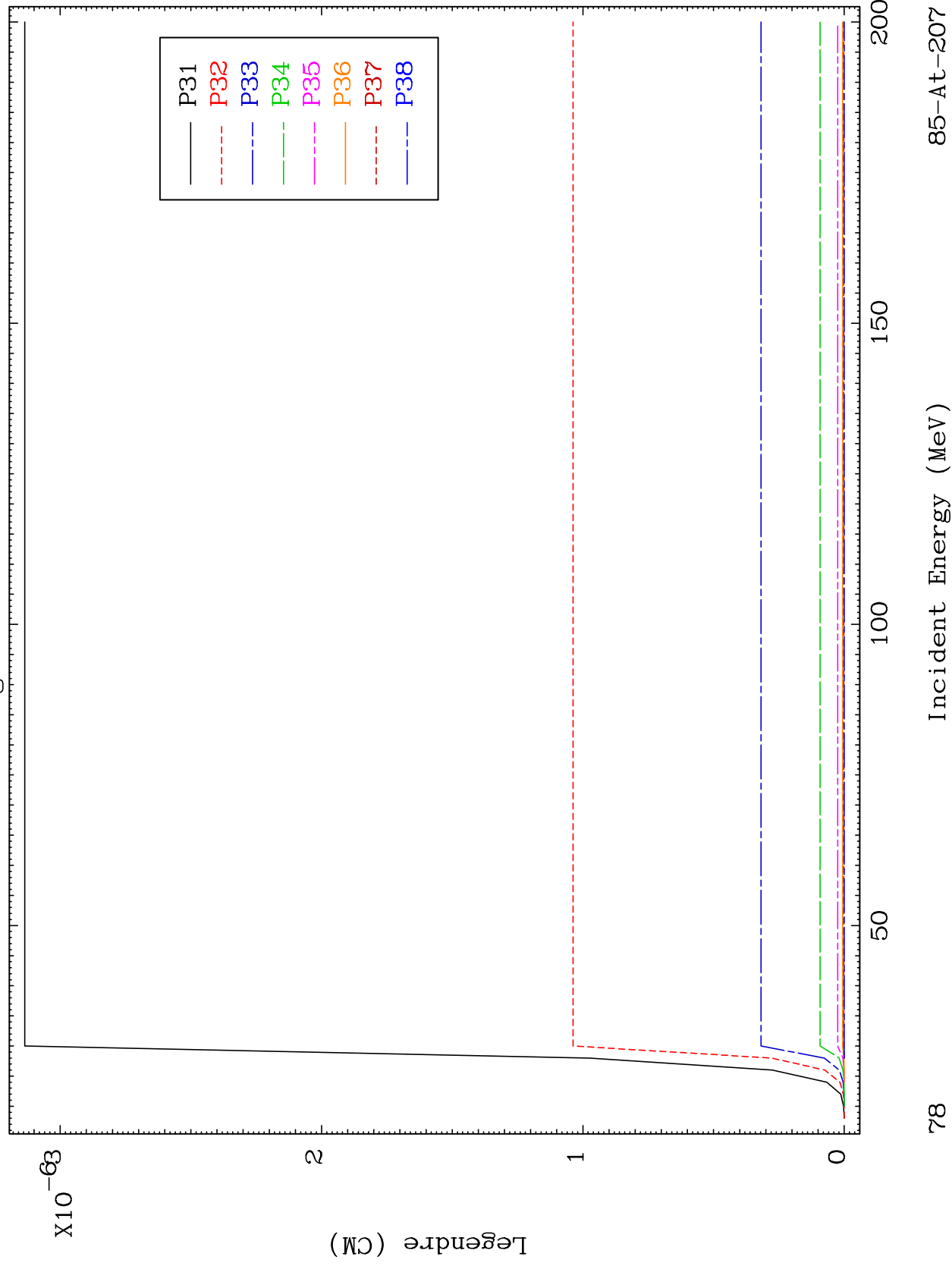
Incident Energy (MeV)

85-At-207

MAT 8537

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

85-At-207

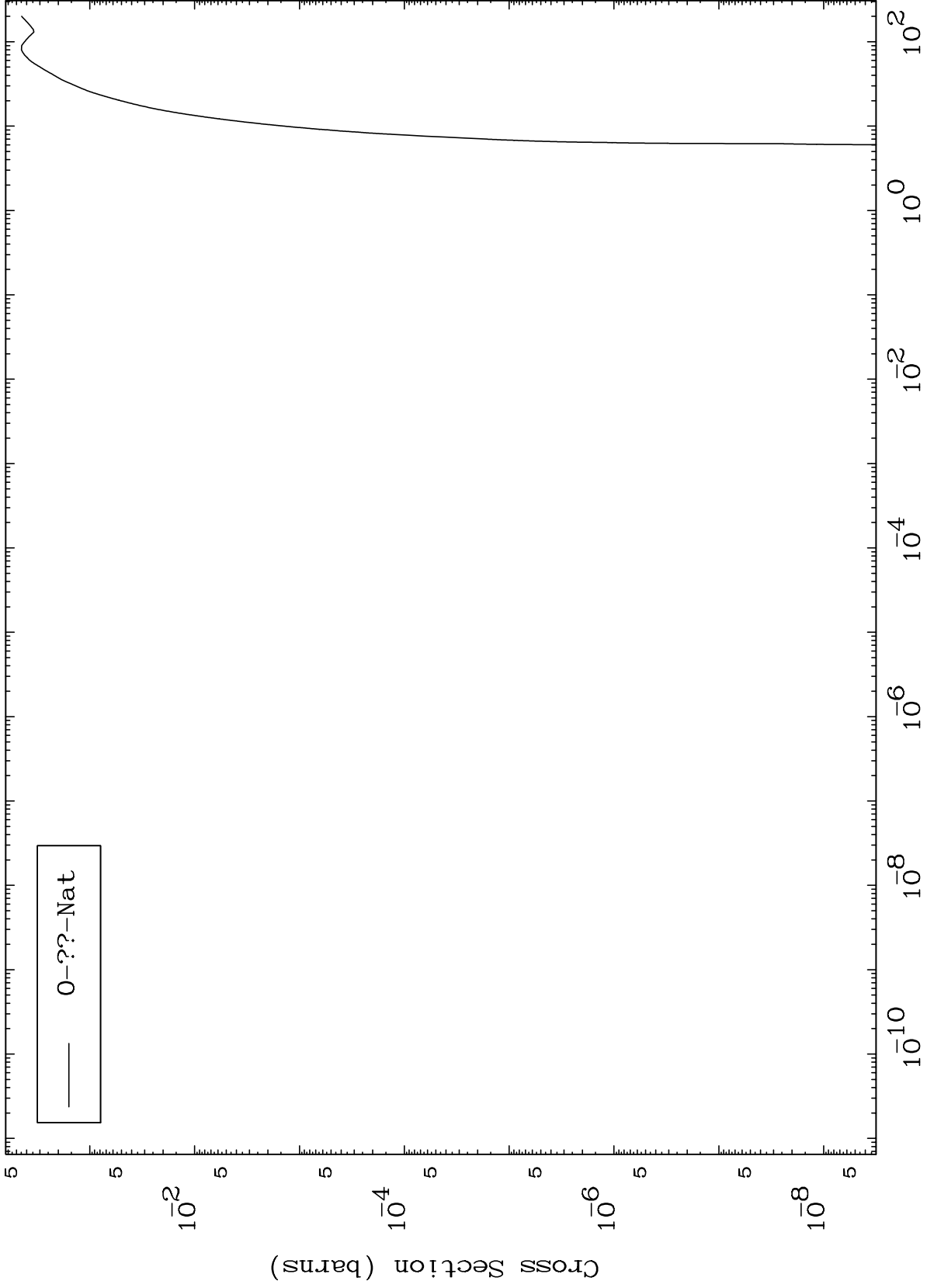


MAT 8537

Fission

85-At-207

Radionuclide Production Cross Section



79

Incident Energy (MeV)

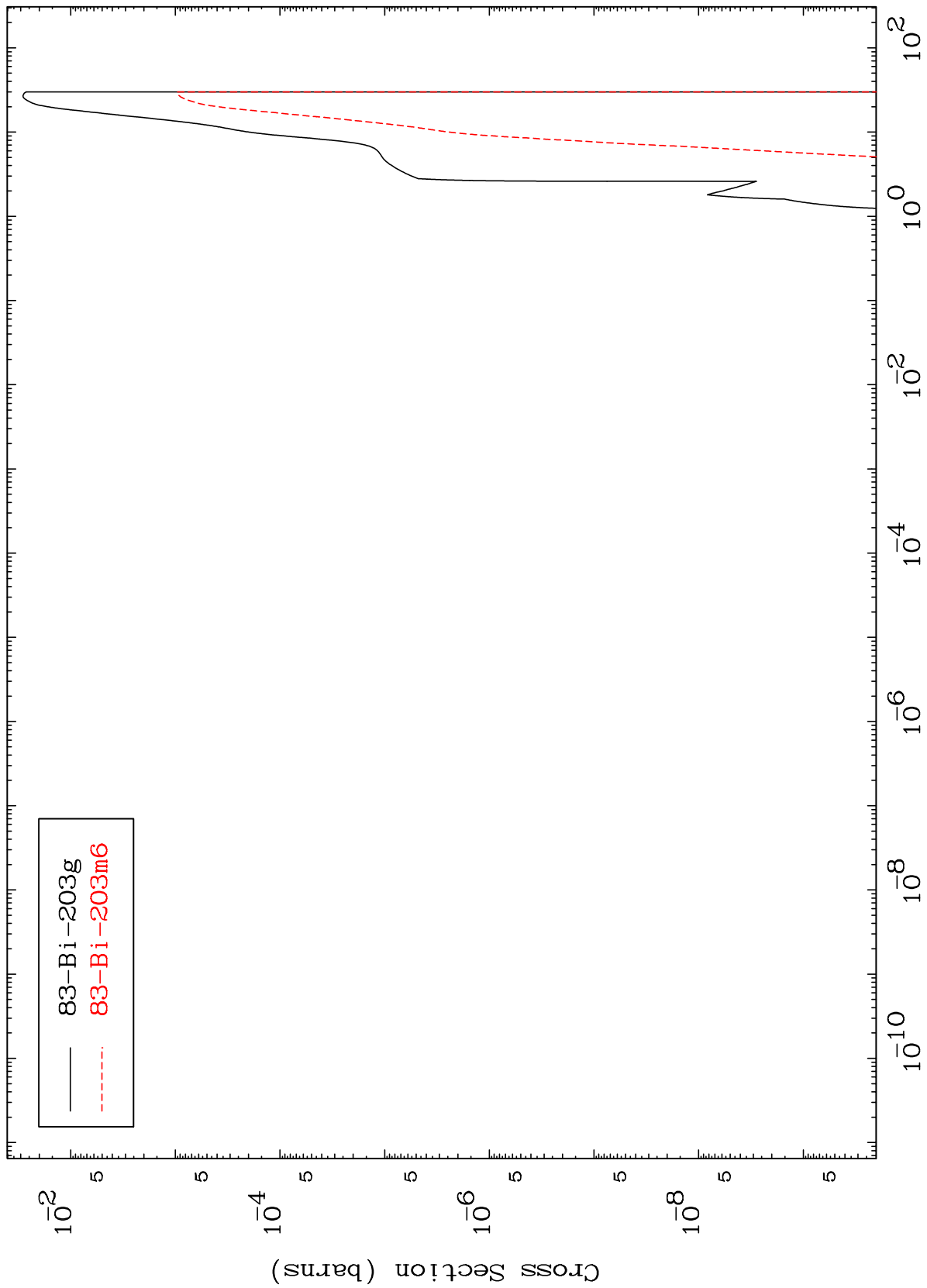
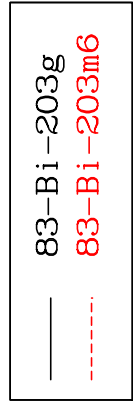
85-At-207

MAT 8537

$(n, n') \alpha$

85-At-207

Radionuclide Production Cross Section



80

Incident Energy (MeV)

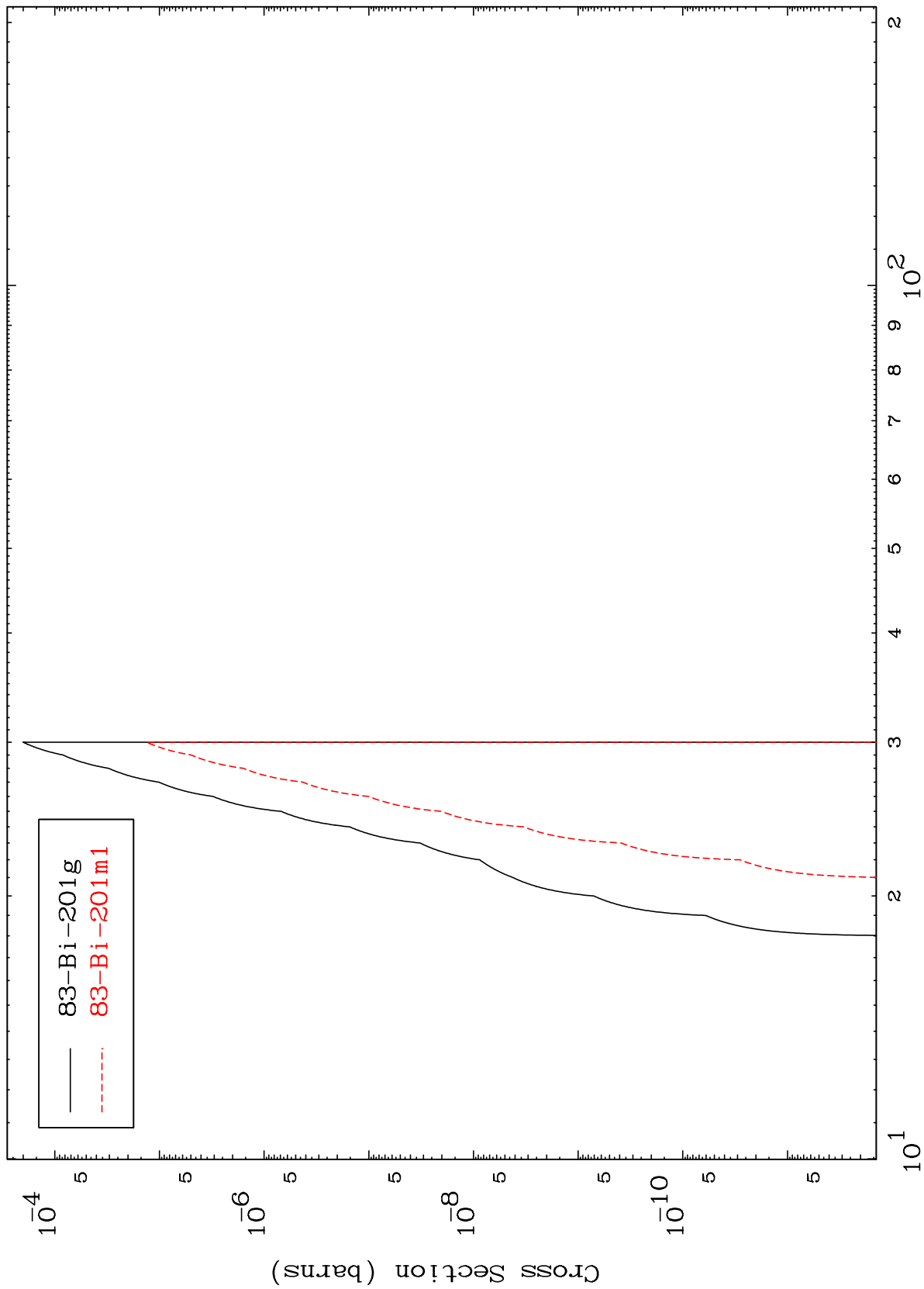
85-At-207

MAT 8537

(n,3n) α

85-At-207

Radionuclide Production Cross Section

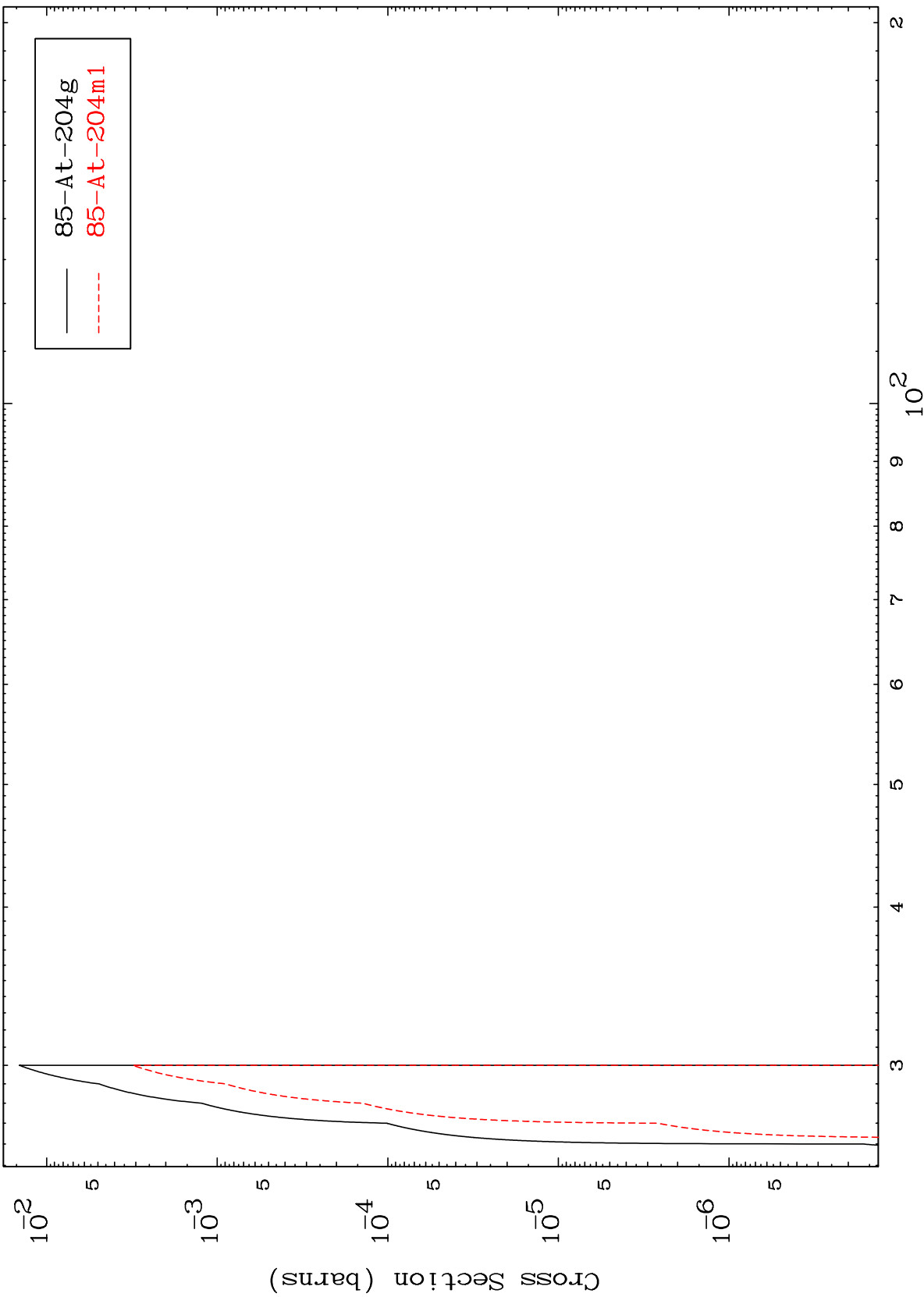


Incident Energy (MeV)

85-At-207

81

(n,4n)
Radionuclide Production Cross Section



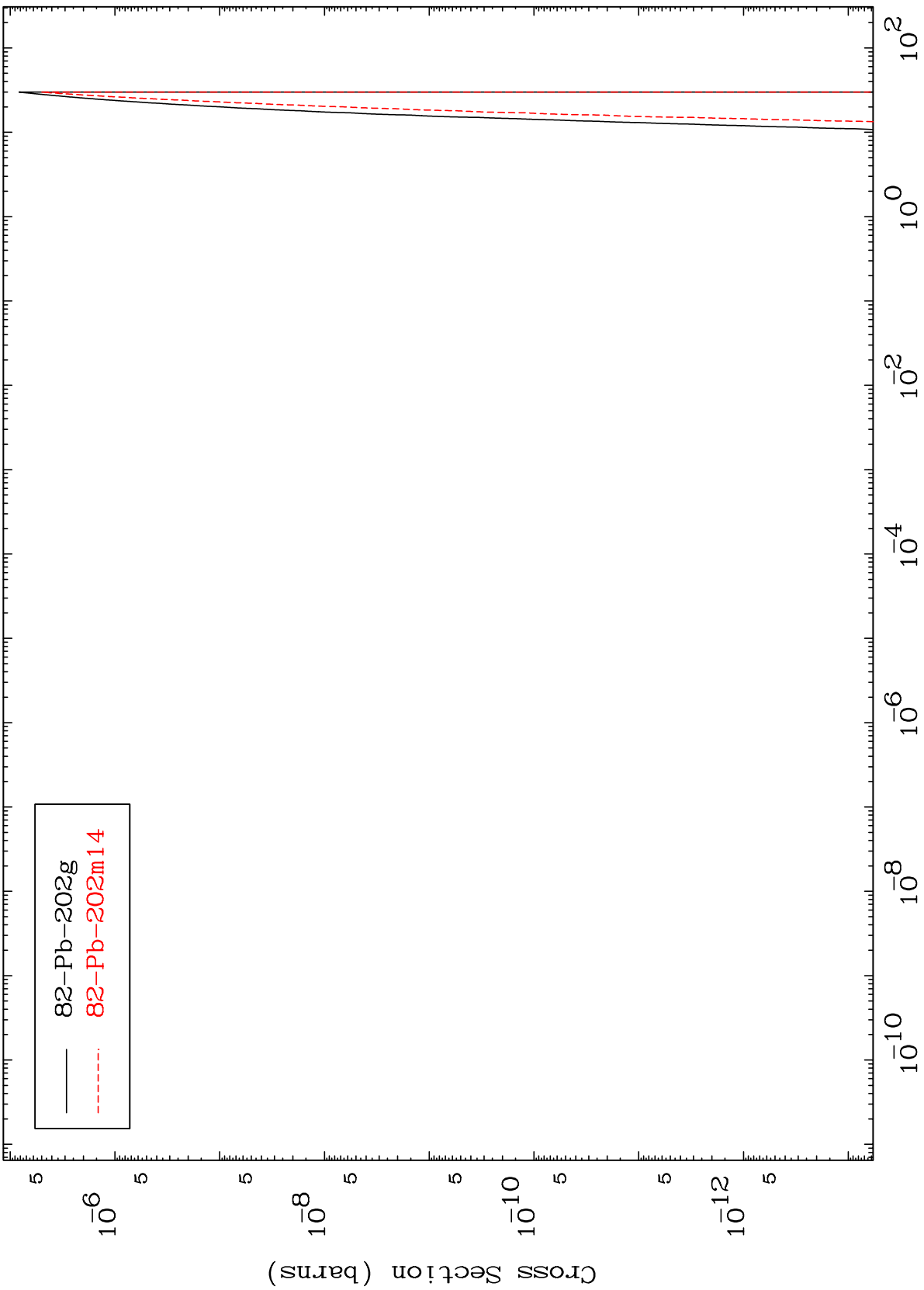
85-At-204g
85-At-204m1

MAT 8537

(n,n') p α

85-At-207

Radionuclide Production Cross Section



— 82-Pb-202g
- - - 82-Pb-202m14

83

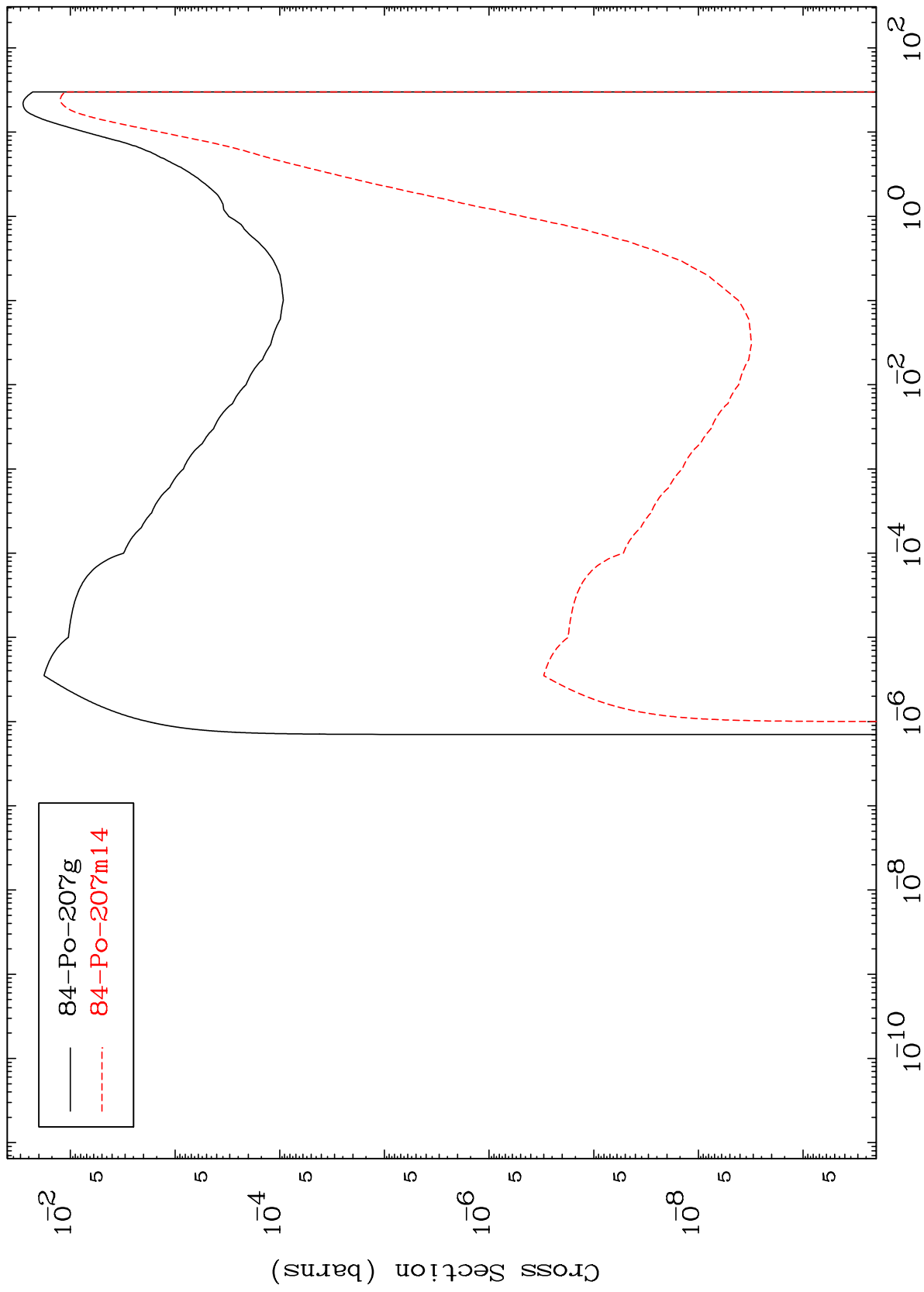
Incident Energy (MeV)

85-At-207

MAT 8537

85-At-207

(n,p)
Radionuclide Production Cross Section



84

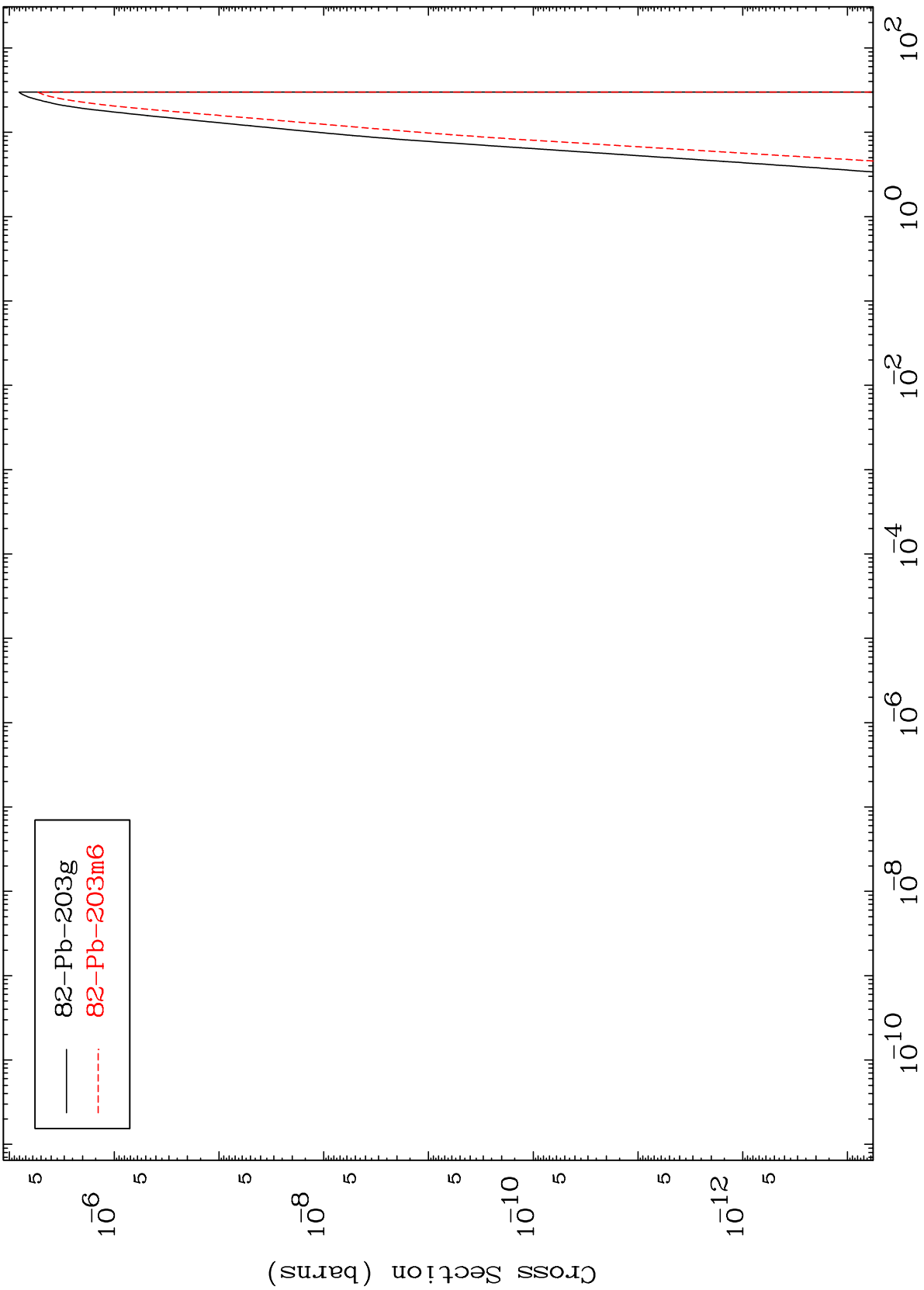
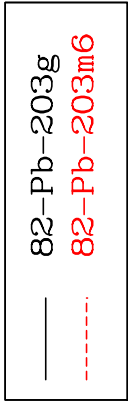
85-At-207

MAT 8537

(n,p) α

85-At-207

Radionuclide Production Cross Section



85

Incident Energy (MeV)

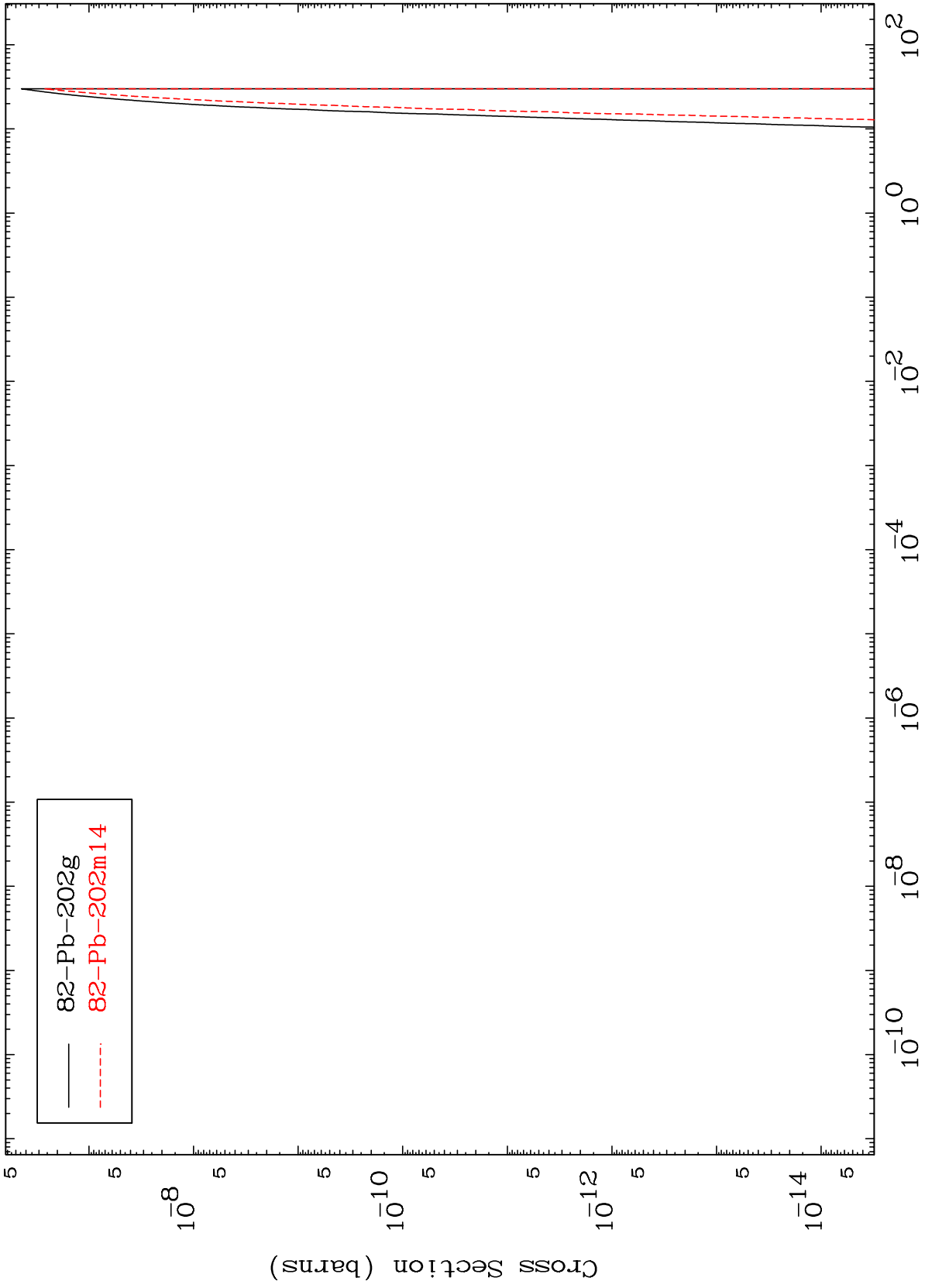
85-At-207

MAT 8537

(n,d) α

85-At-207

Radionuclide Production Cross Section



86

Incident Energy (MeV)

85-At-207