

Program EVALPLOT
(Version 2018-1)

by

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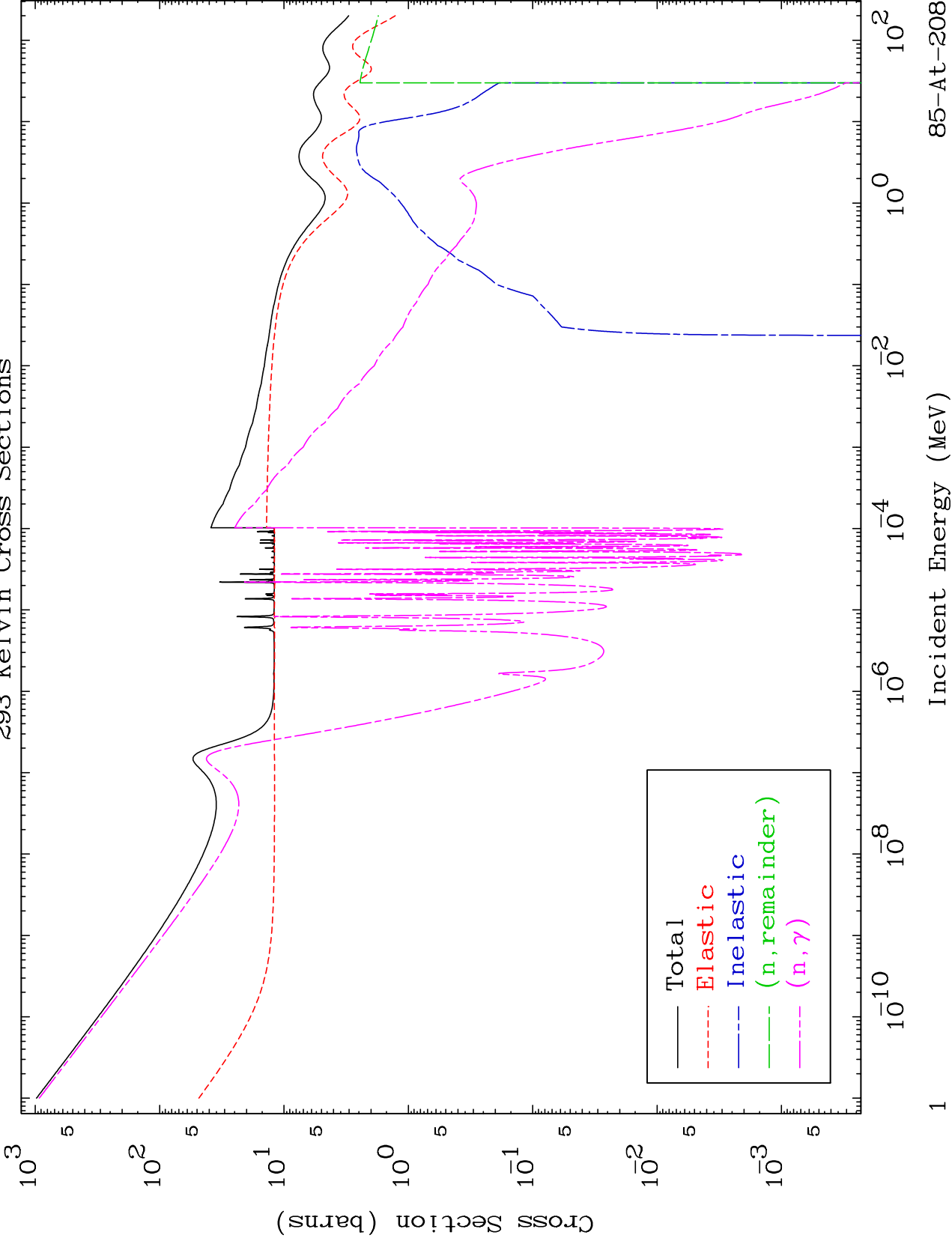
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Press Mouse Button to Start

MAT 8540

Major
293 Kelvin Cross Sections

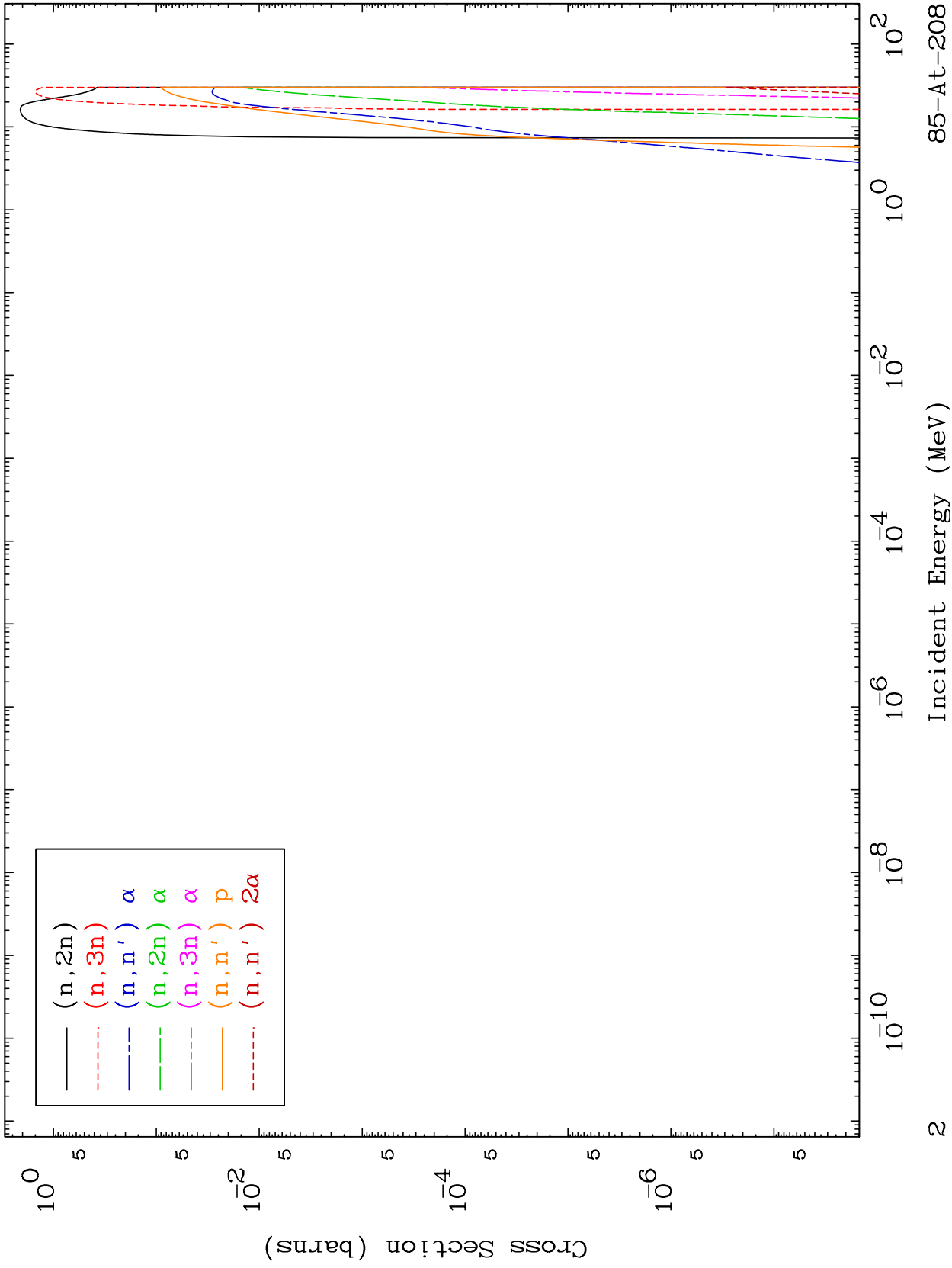
85-At-208

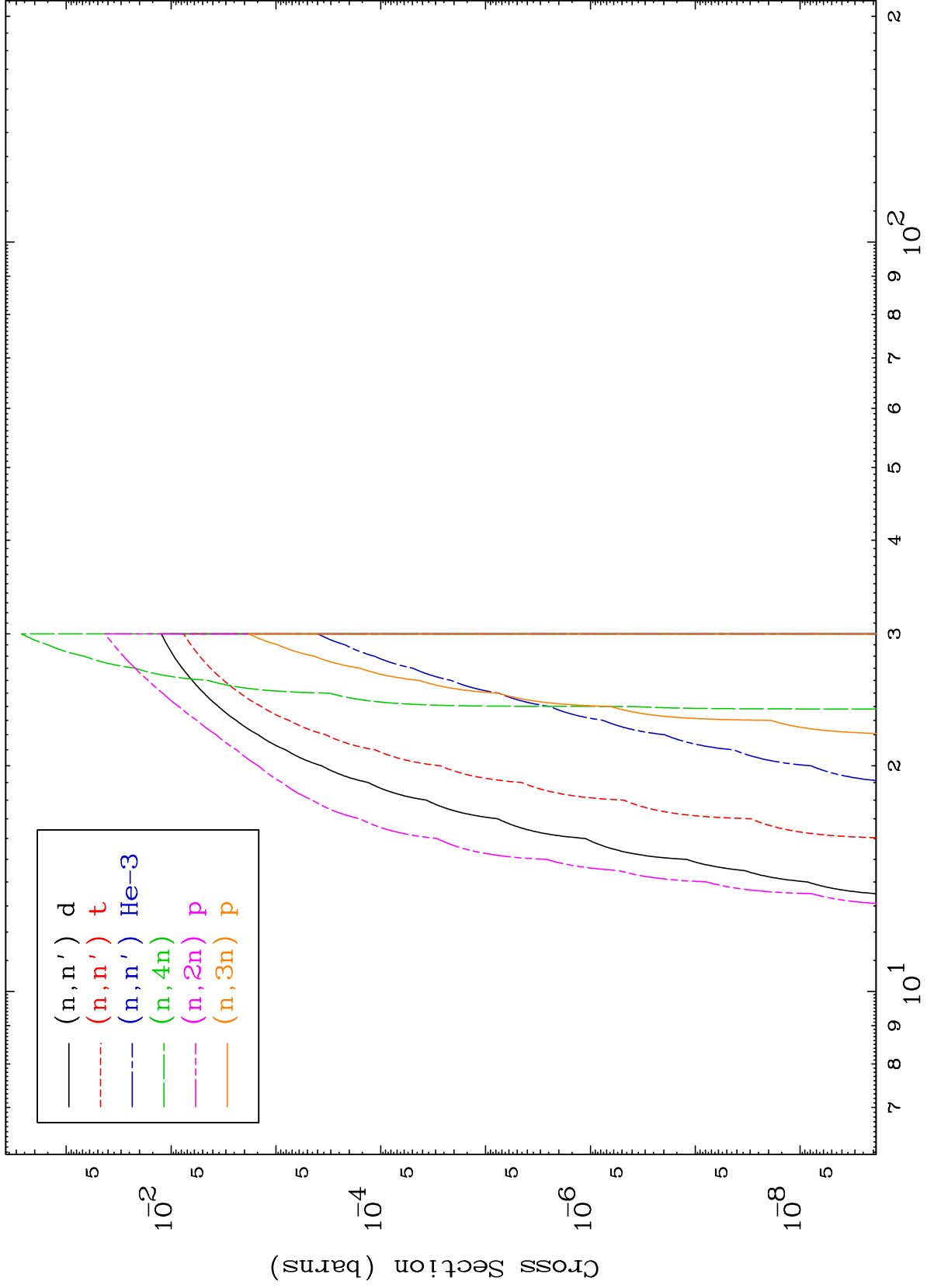


MAT 8540

Neutron Production
293 Kelvin Cross Sections

85-At-208

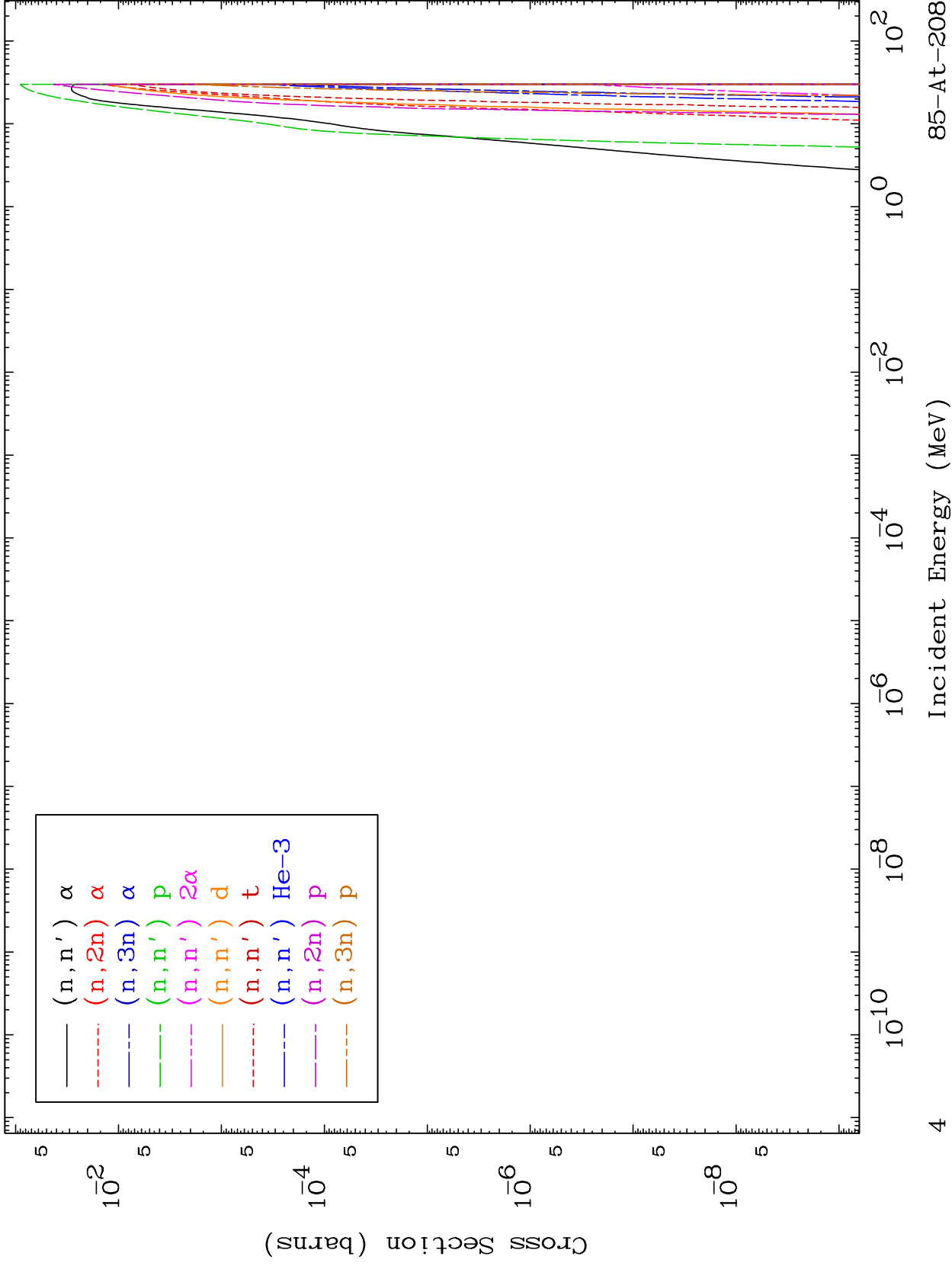


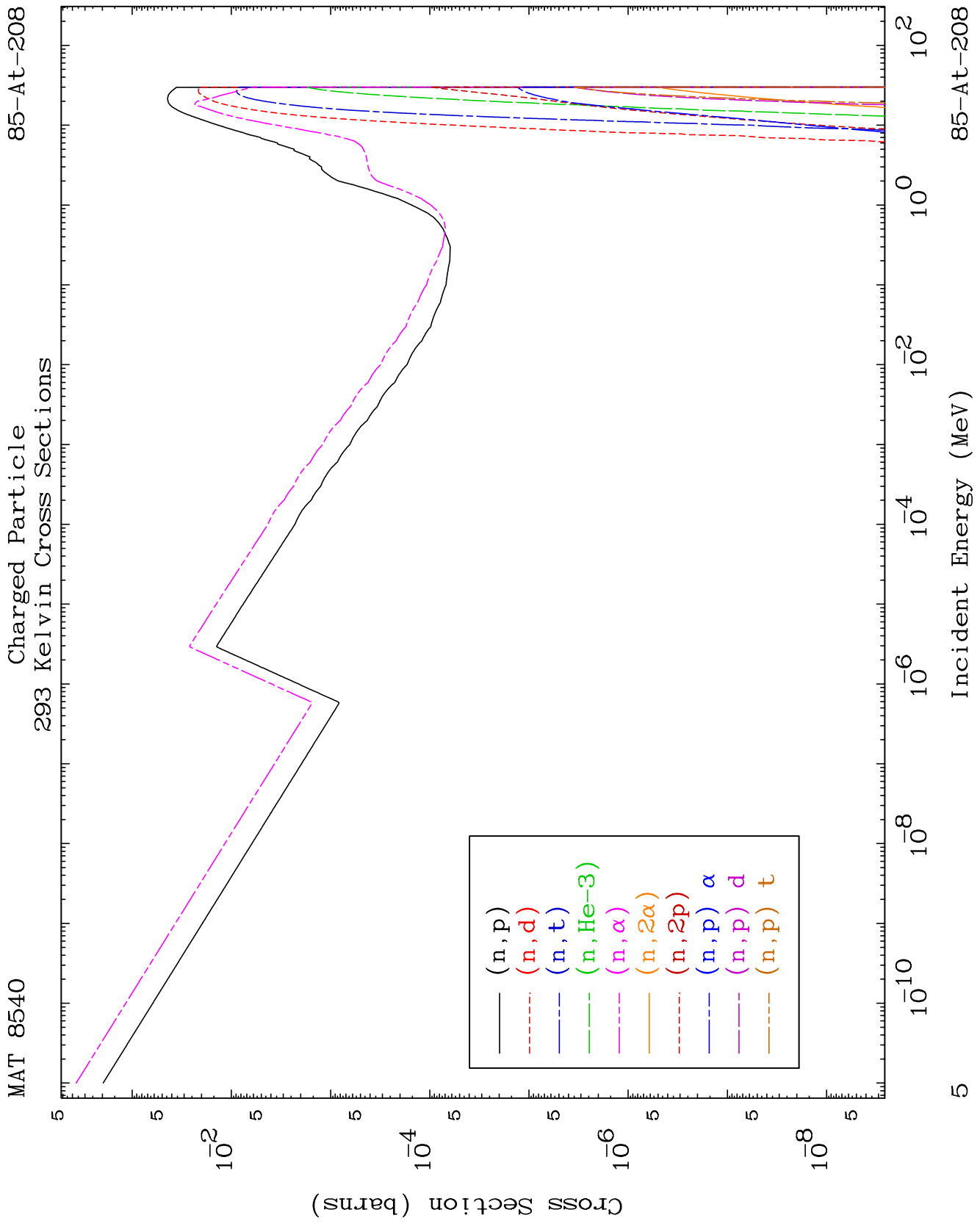


MAT 8540

Charged Particle
293 Kelvin Cross Sections

85-At-208

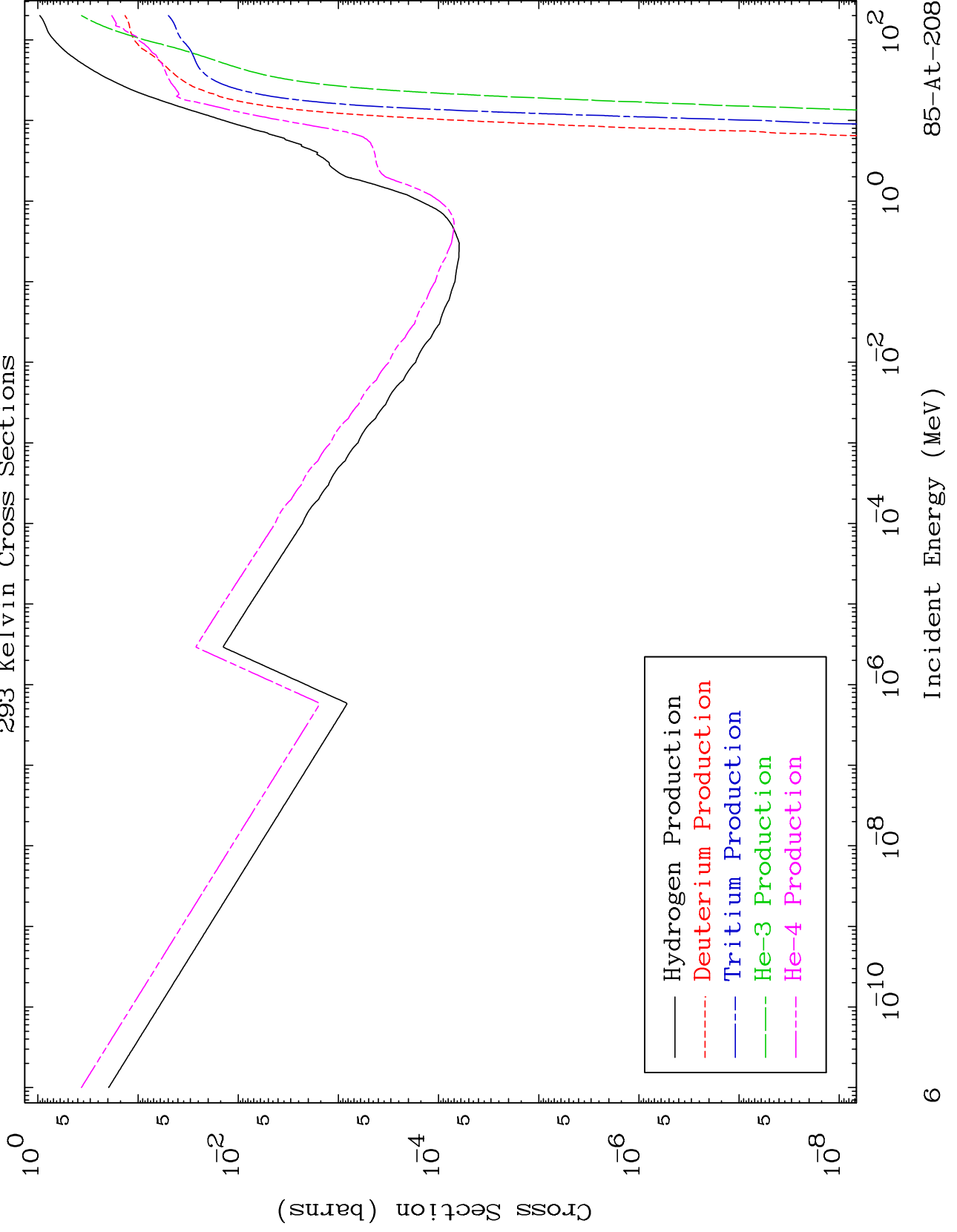




MAT 8540

Particle Production
293 Kelvin Cross Sections

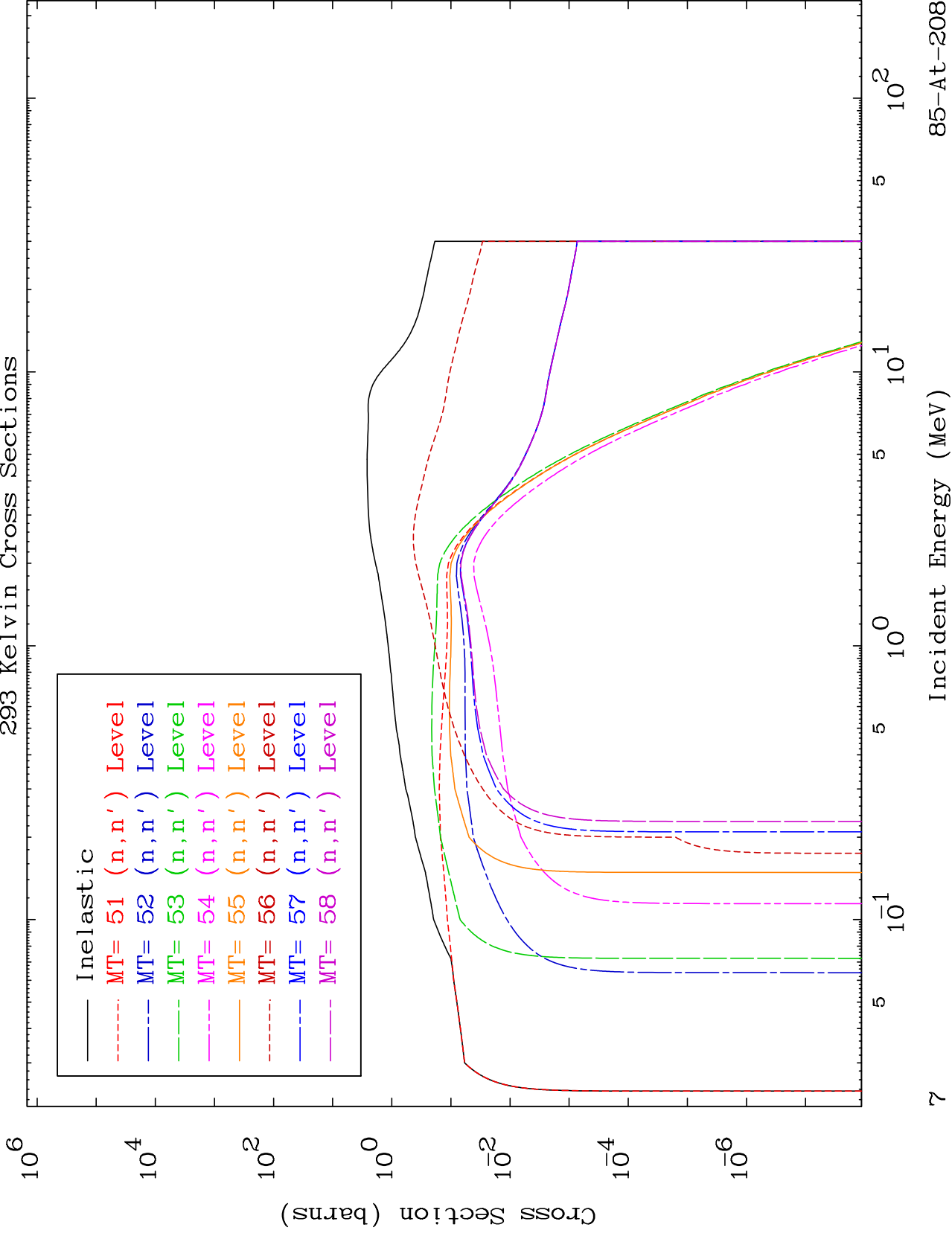
85-At-208



MAT 8540

(n,n') Level
293 Kelvin Cross Sections

85-At-208

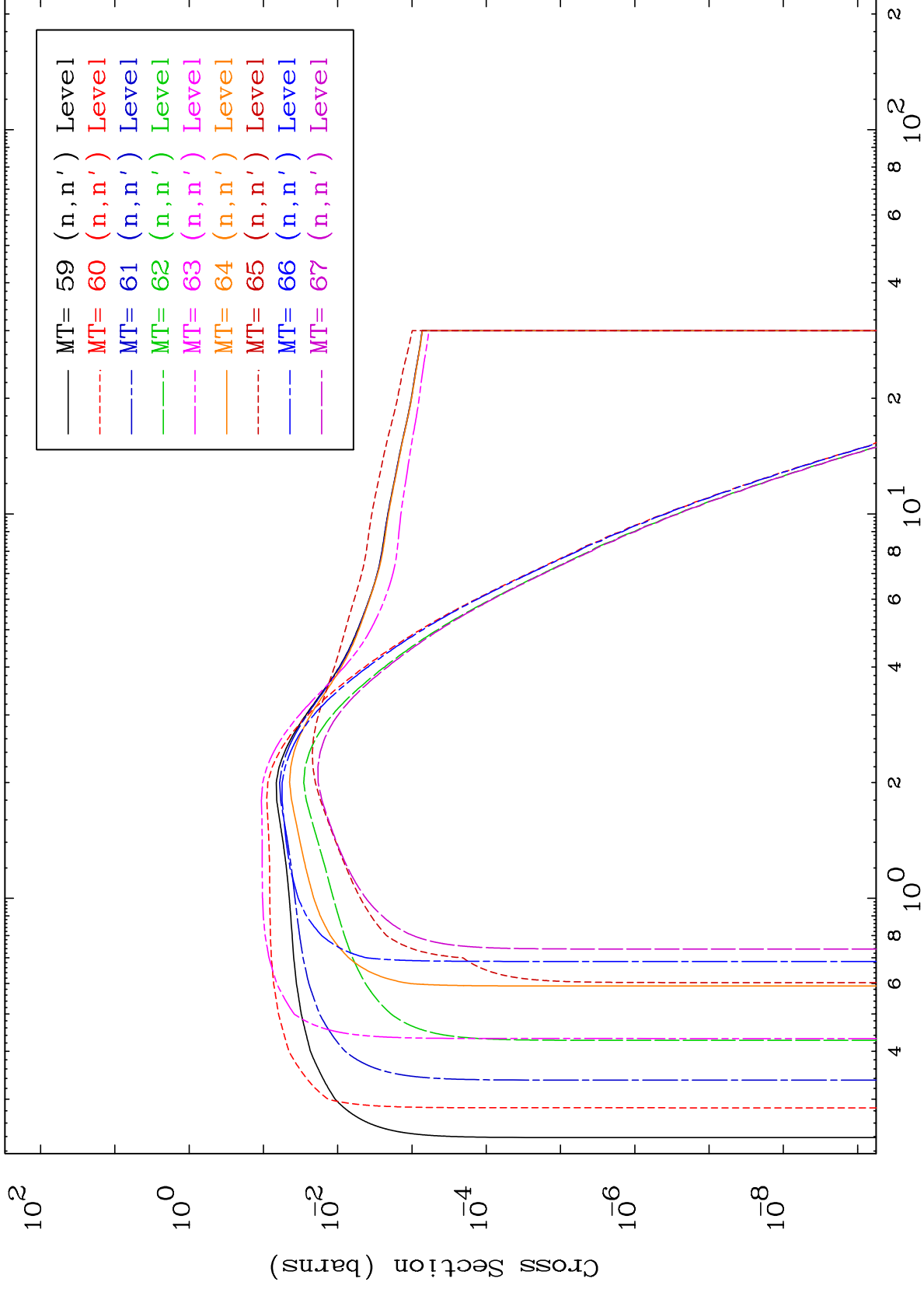


MAT 8540

(n,n') Level

85-At-208

293 Kelvin Cross Sections



8

Incident Energy (MeV)

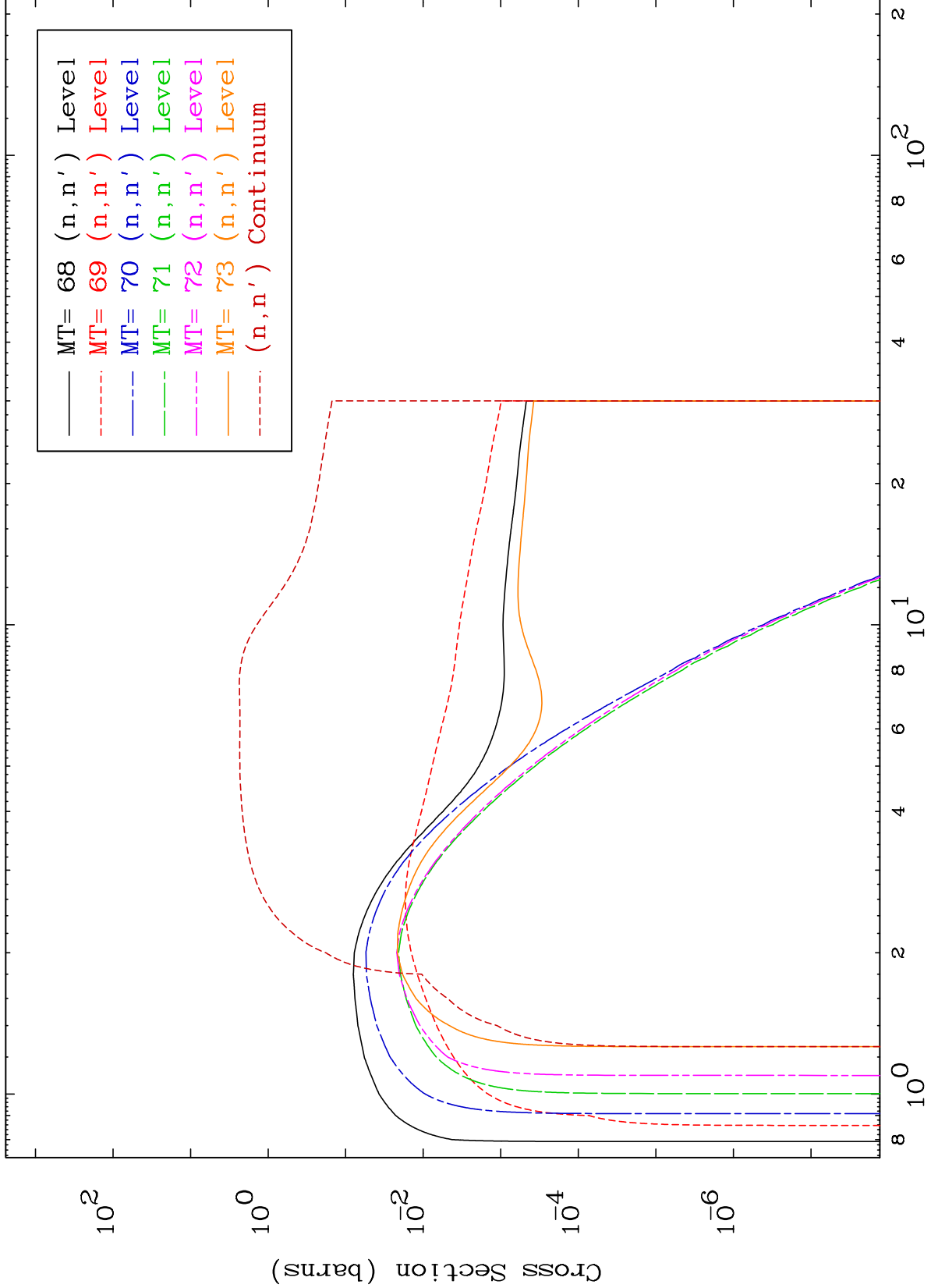
85-At-208

MAT 8540

(n,n') Level

85-At-208

293 Kelvin Cross Sections



9

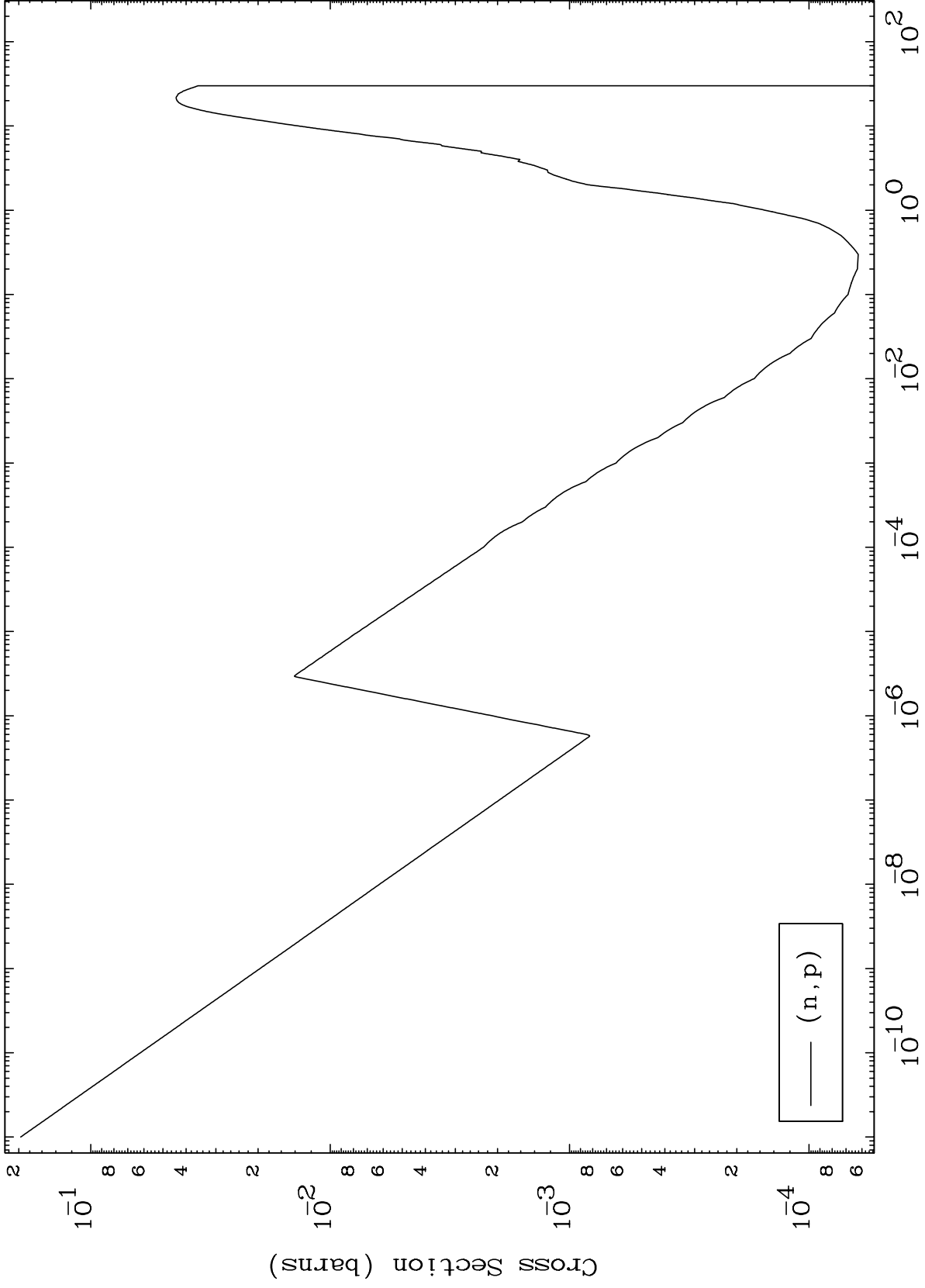
Incident Energy (MeV)

85-At-208

MAT 8540

(n,p) Levels
293 Kelvin Cross Sections

85-At-208



10

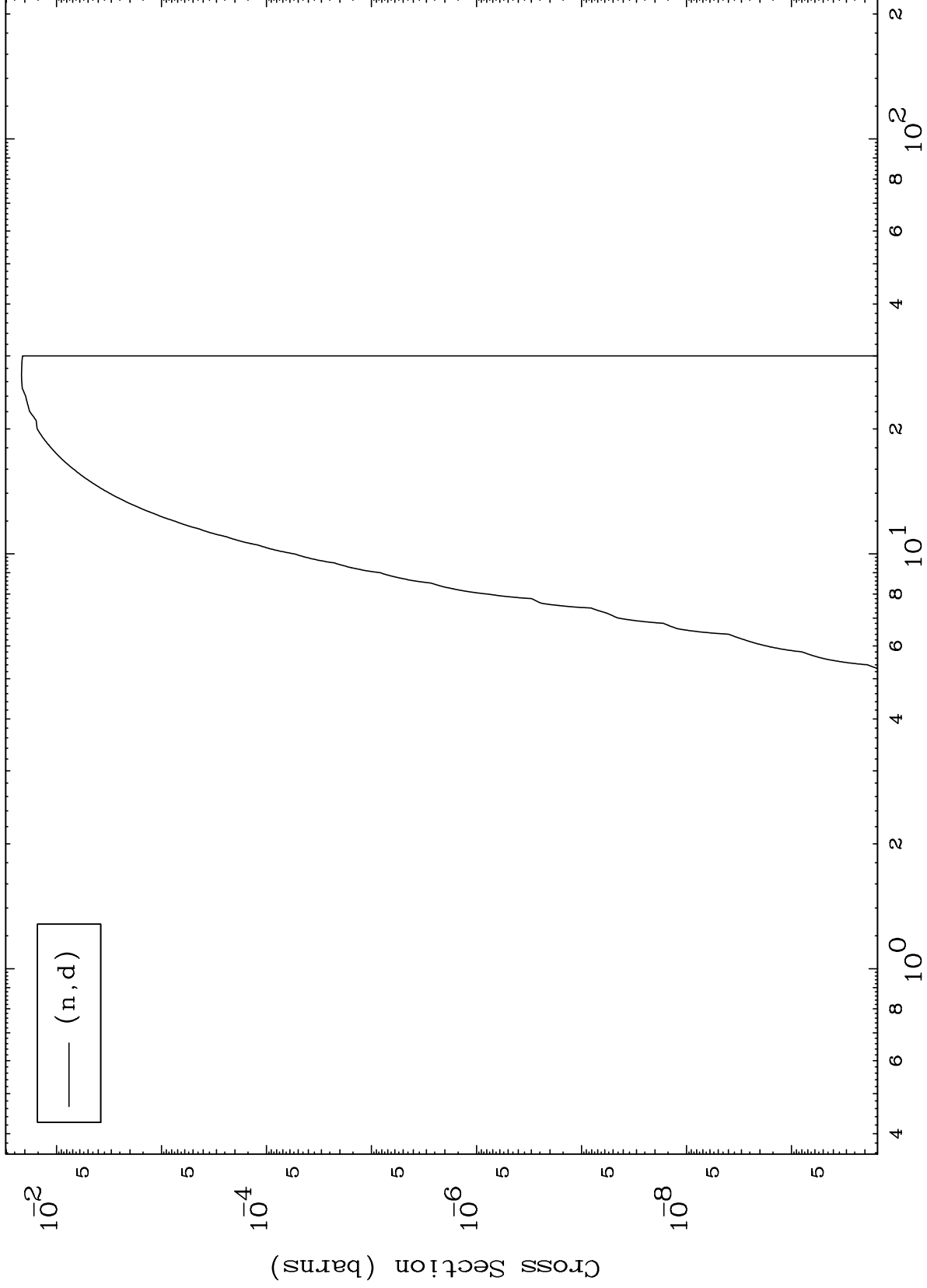
Incident Energy (MeV)

85-At-208

MAT 8540

(n,d) Levels
293 Kelvin Cross Sections

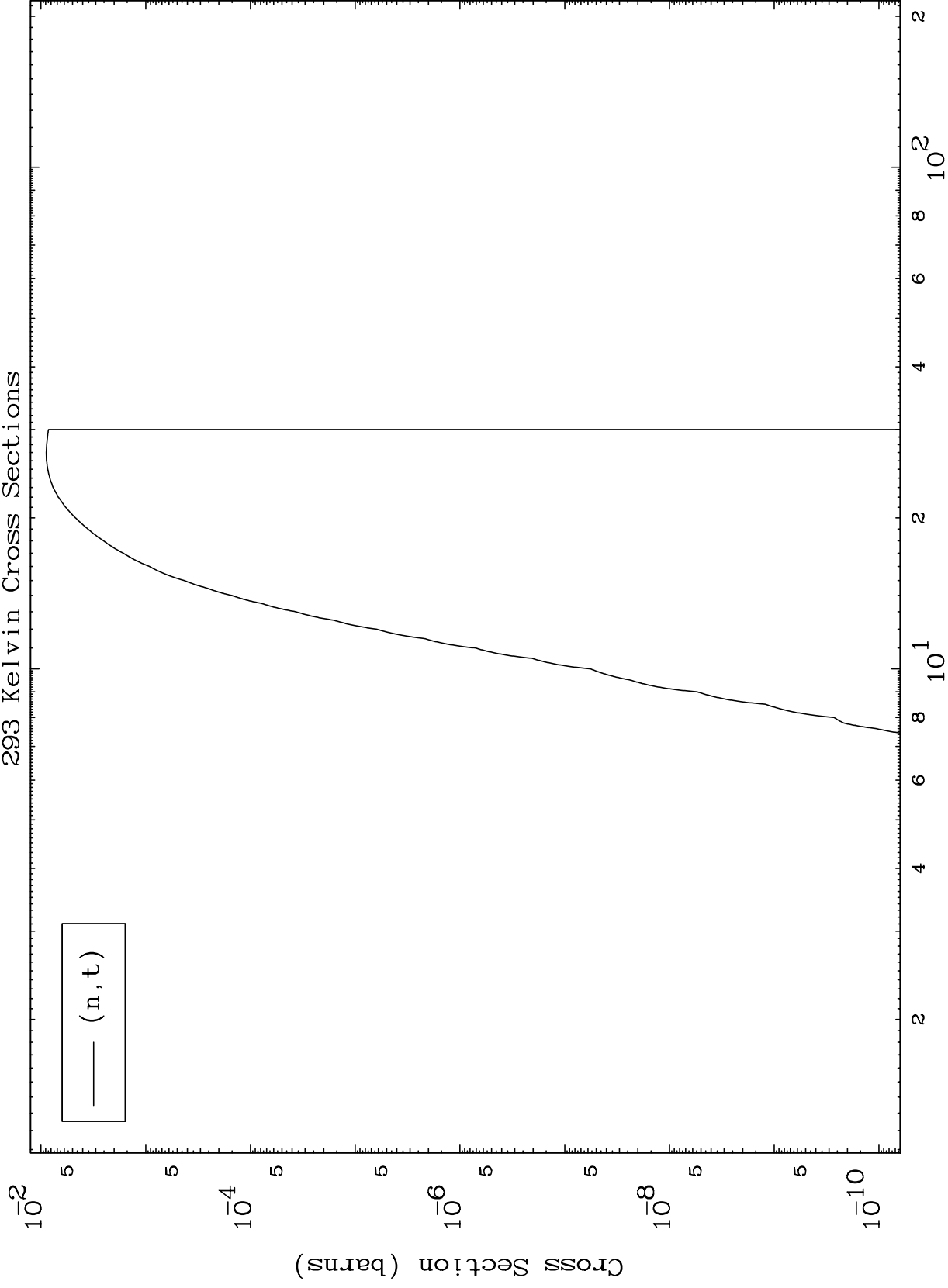
85-At-208



MAT 8540

(n,t) Levels
293 Kelvin Cross Sections

85-At-208



12

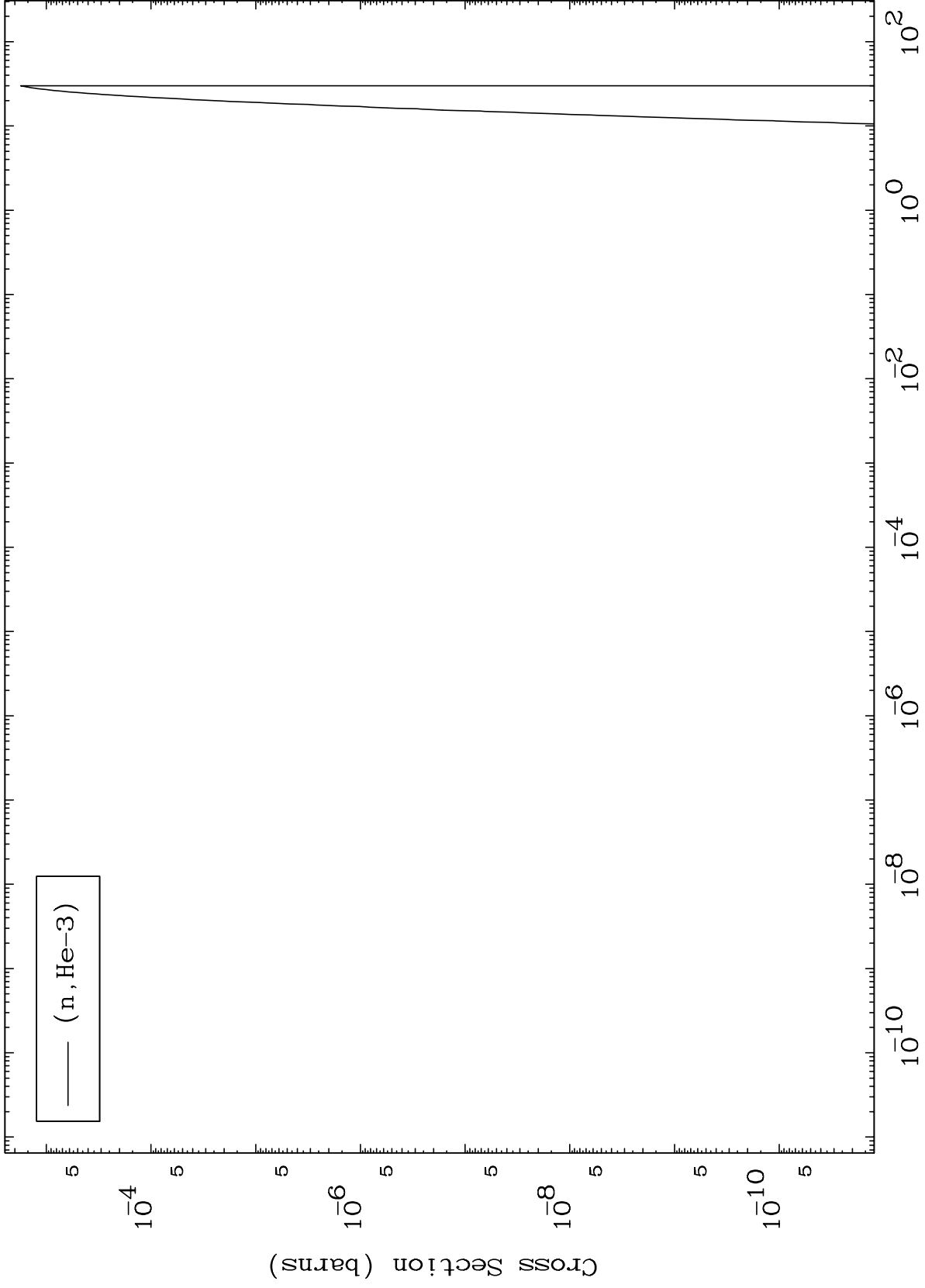
Incident Energy (MeV)

85-At-208

MAT 8540

(n,He3) Levels
293 Kelvin Cross Sections

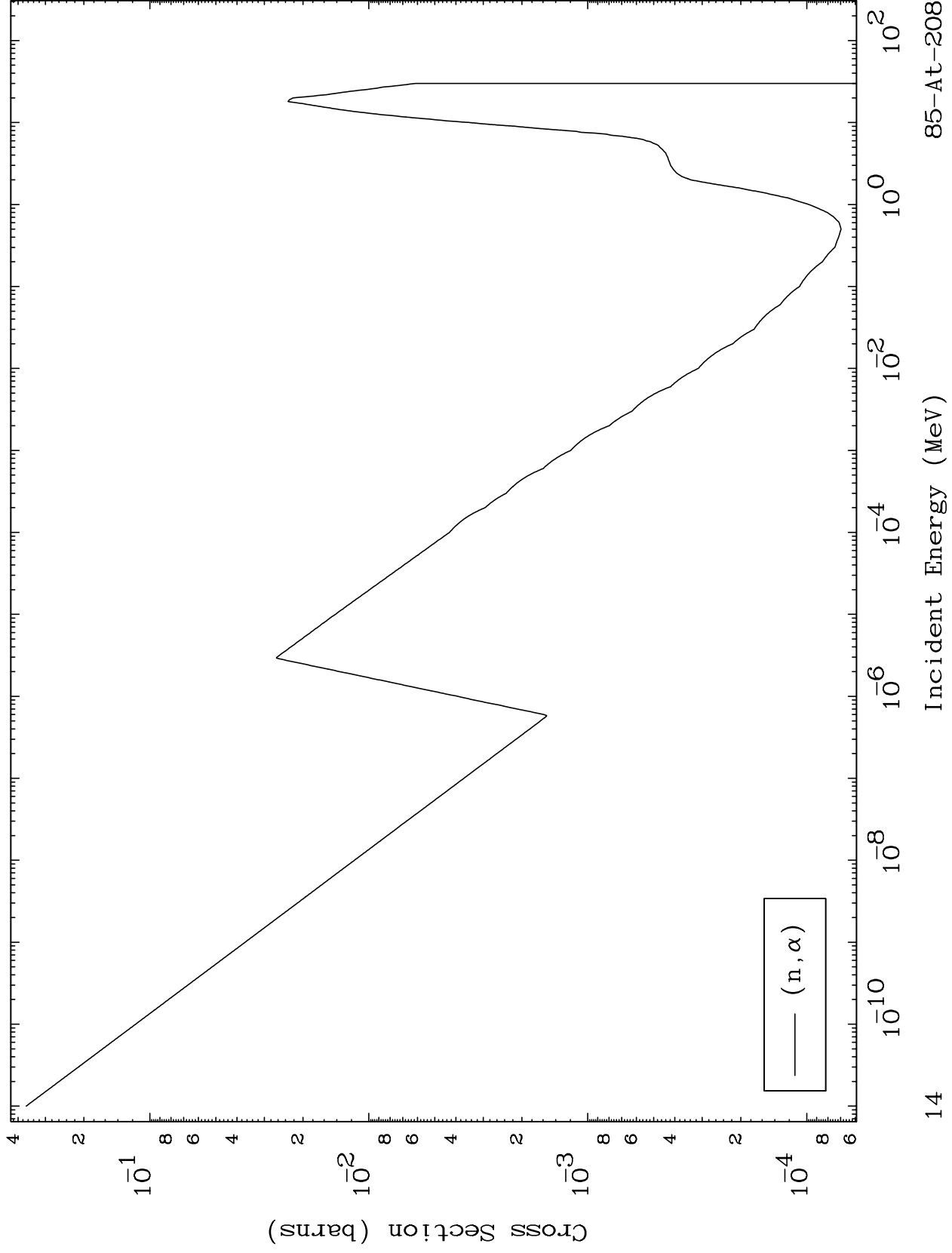
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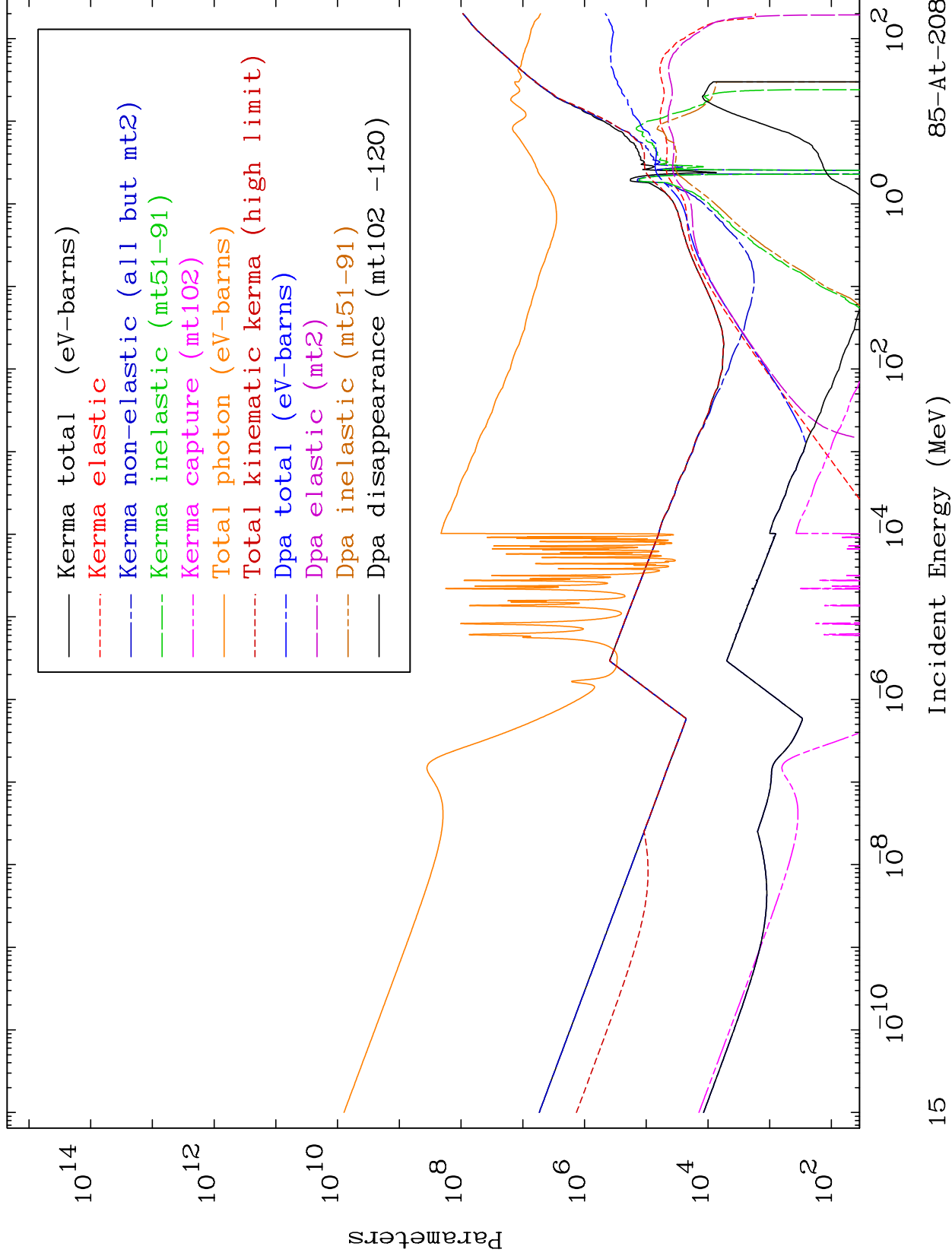


MAT 8540

(n,α) Levels
293 Kelvin Cross Sections

85-At-208

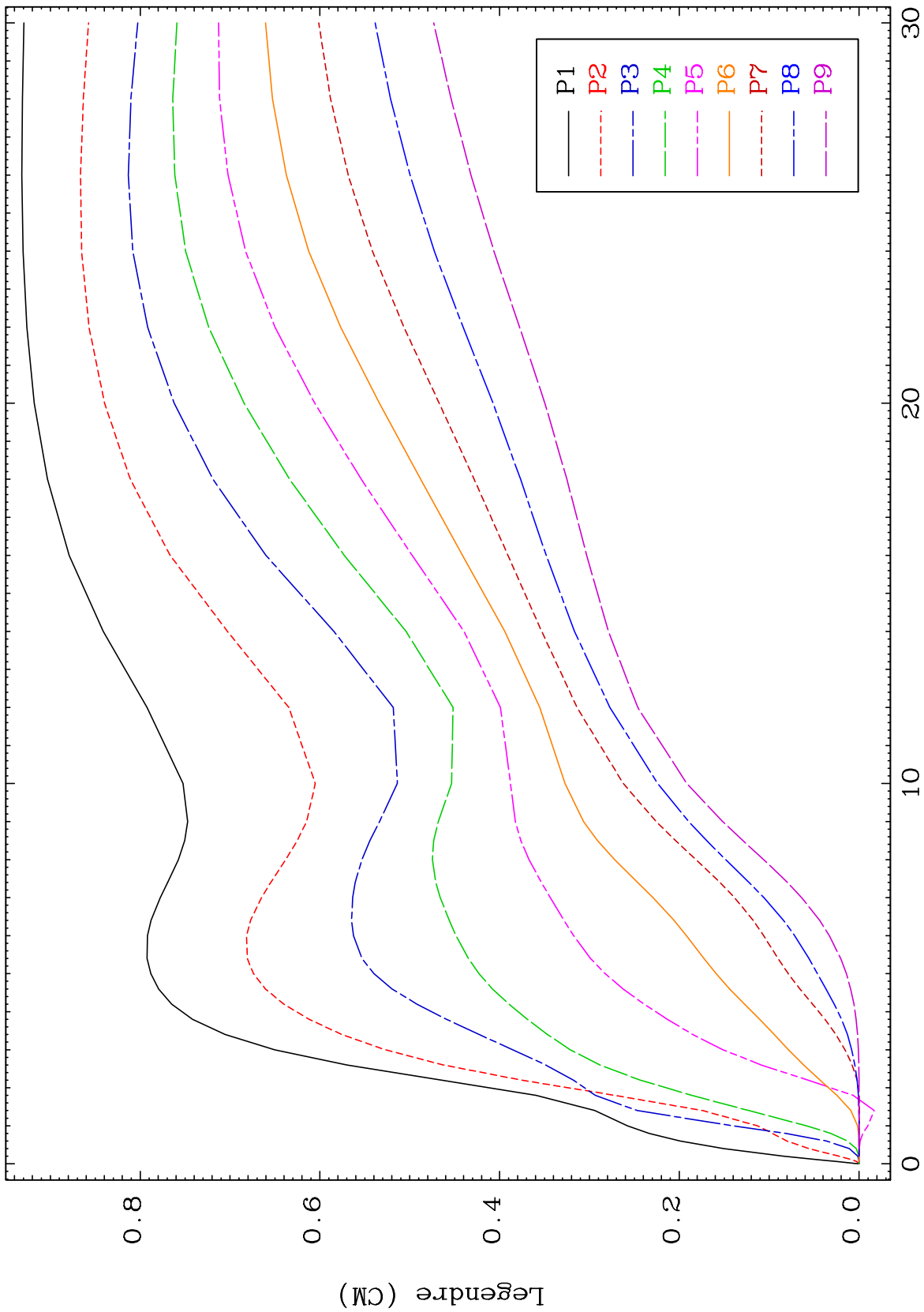




MAT 8540

Elastic Legendre Coefficients

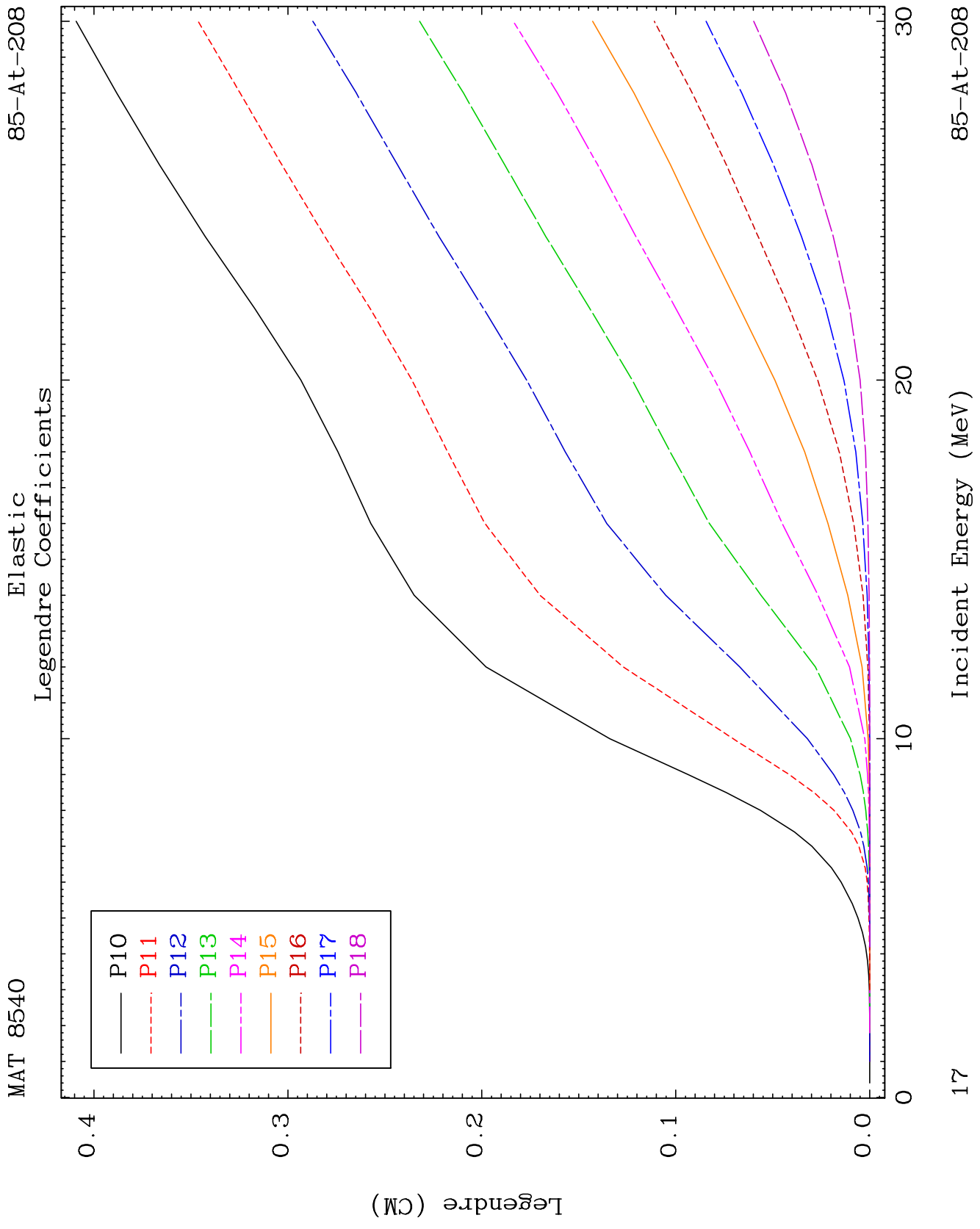
85-At-208



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Incident Energy (MeV)

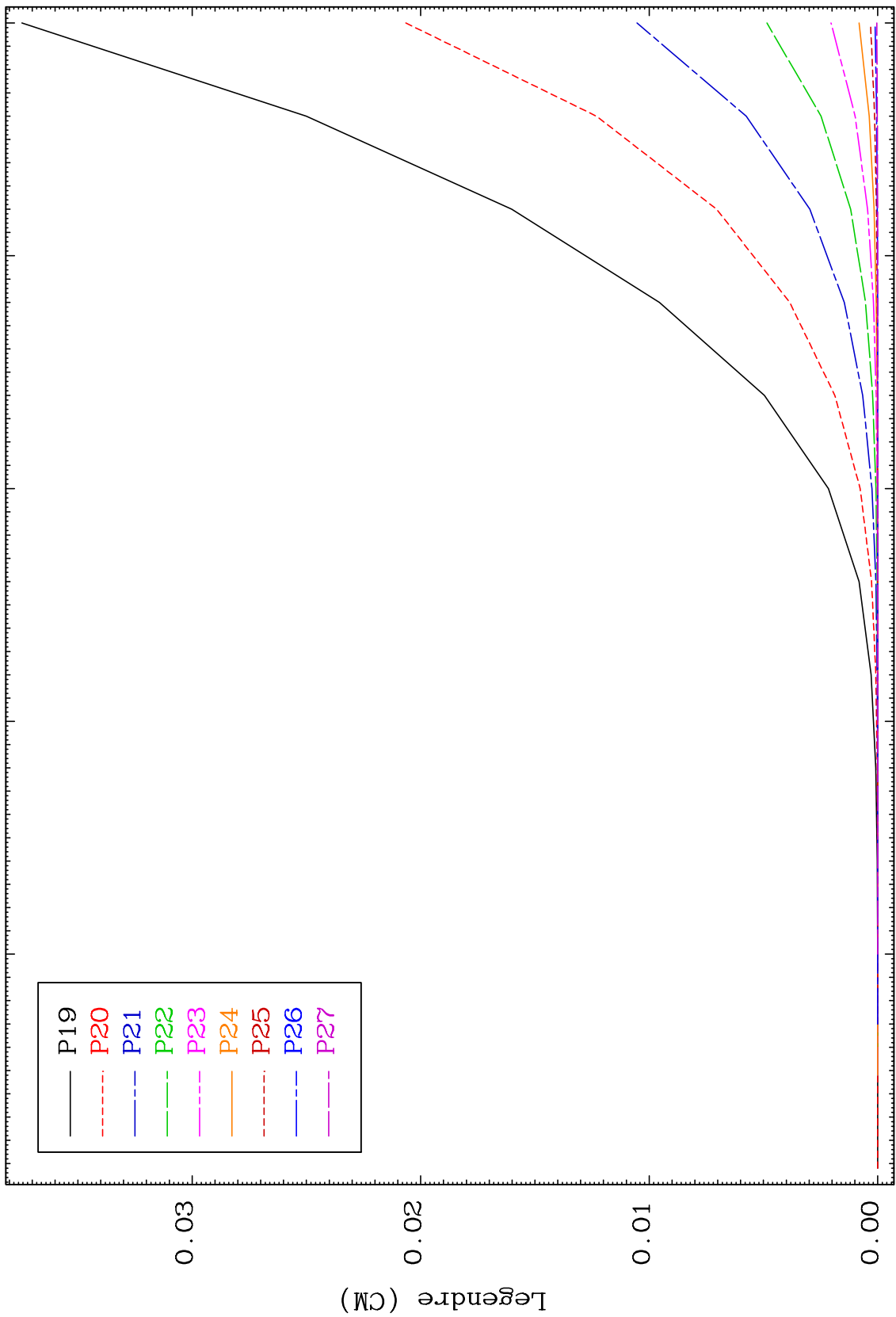
85-At-208



MAT 8540

Elastic Legendre Coefficients

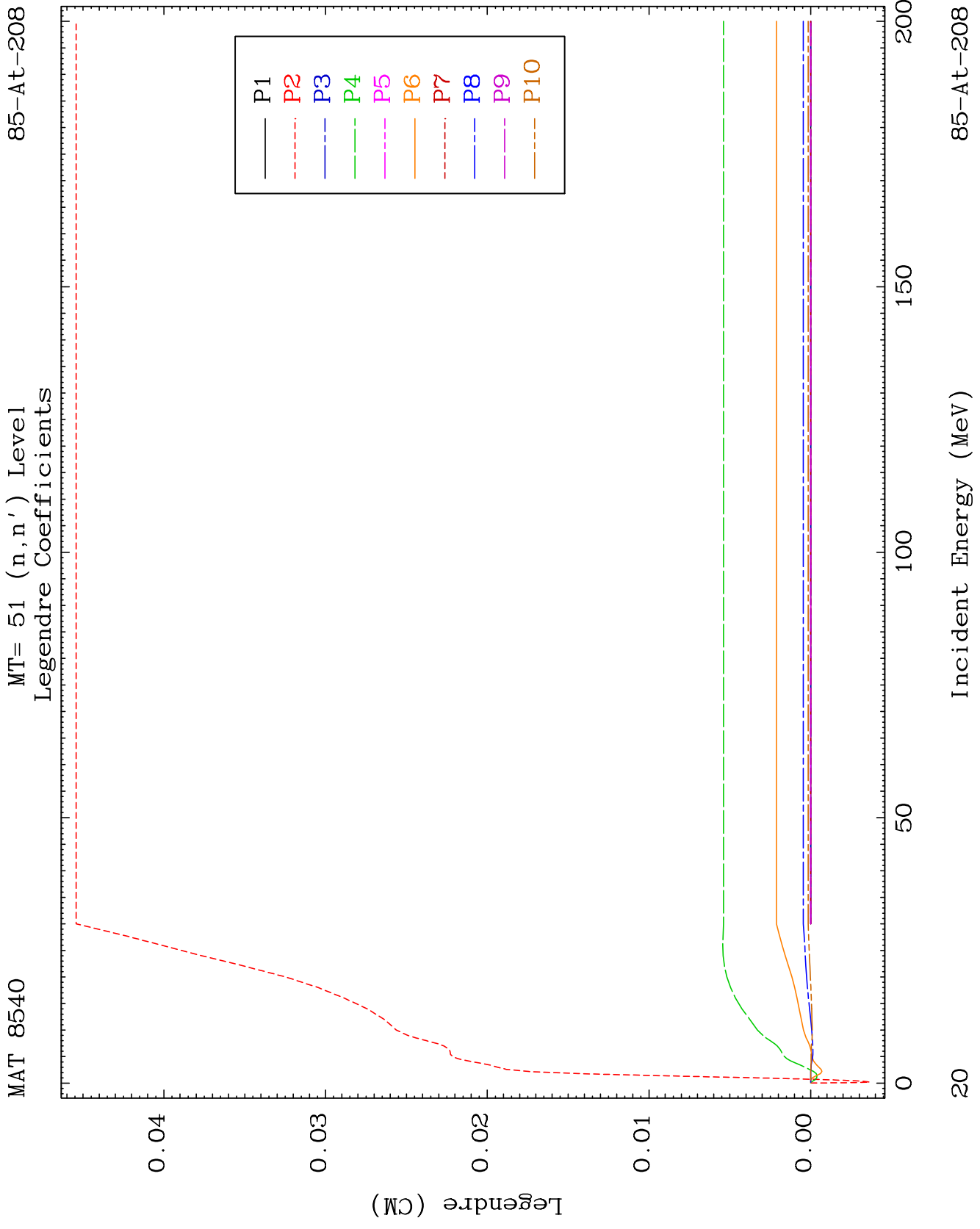
85-At-208



18

Incident Energy (MeV)

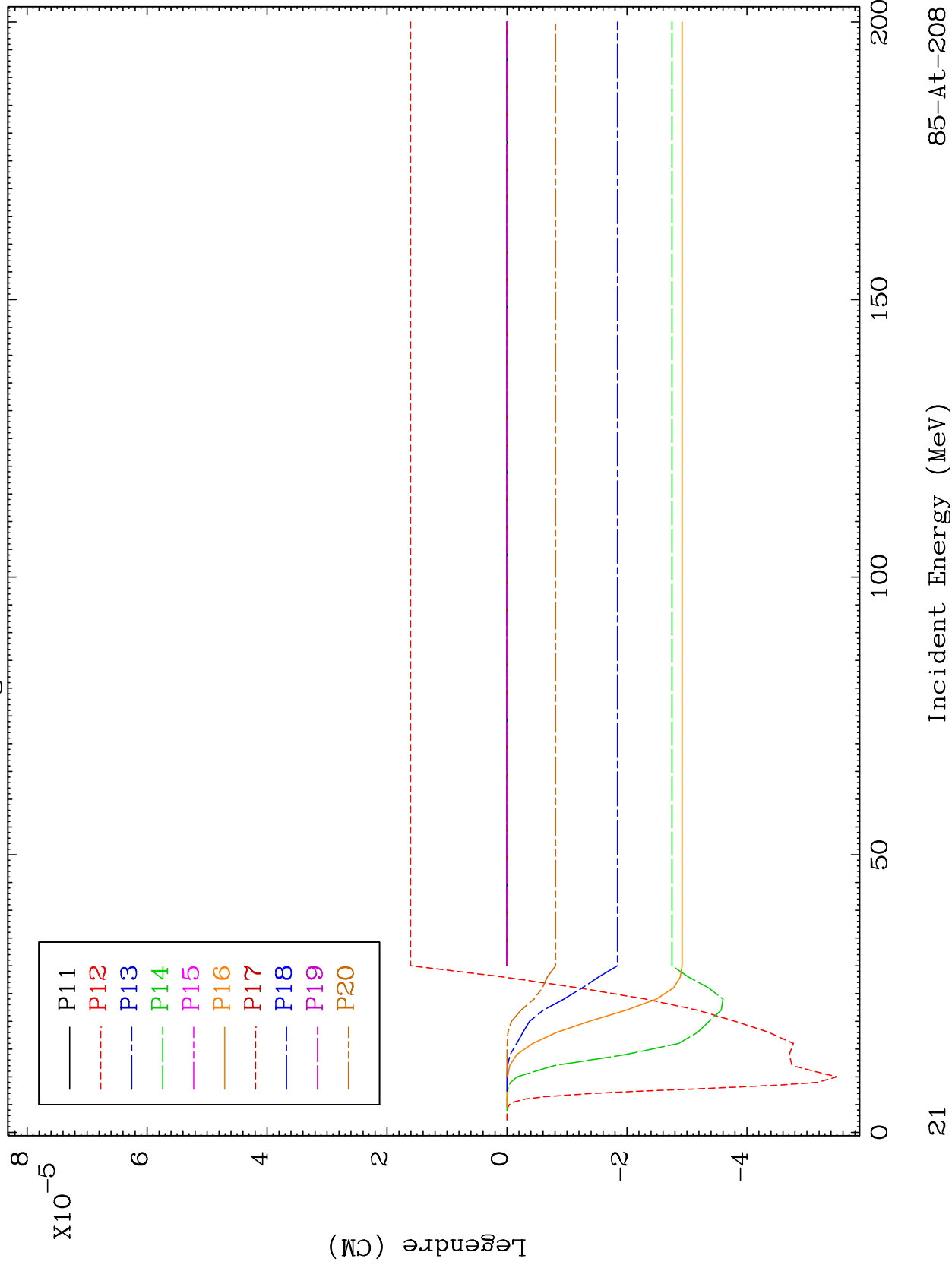
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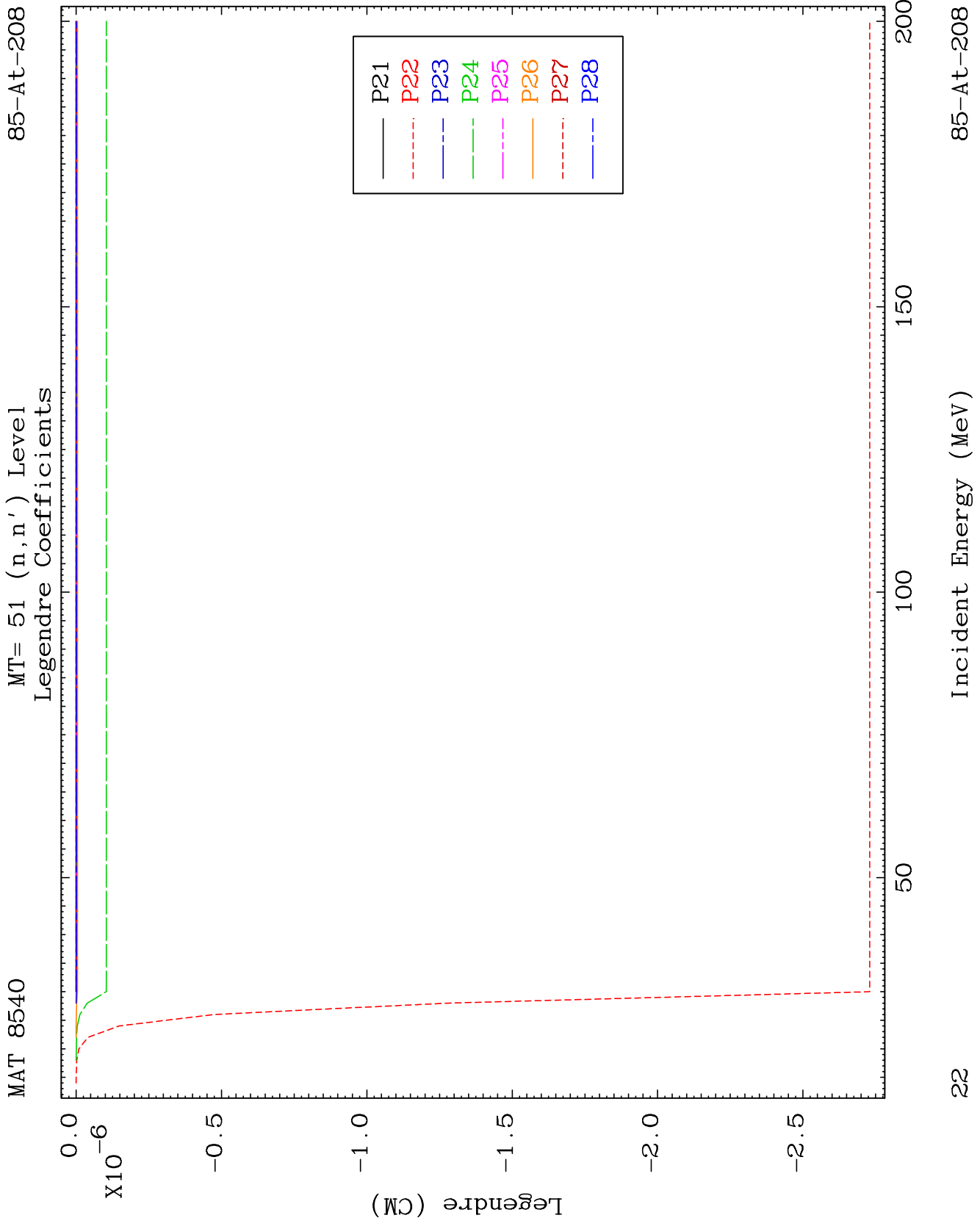


MAT 8540

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

85-At-208

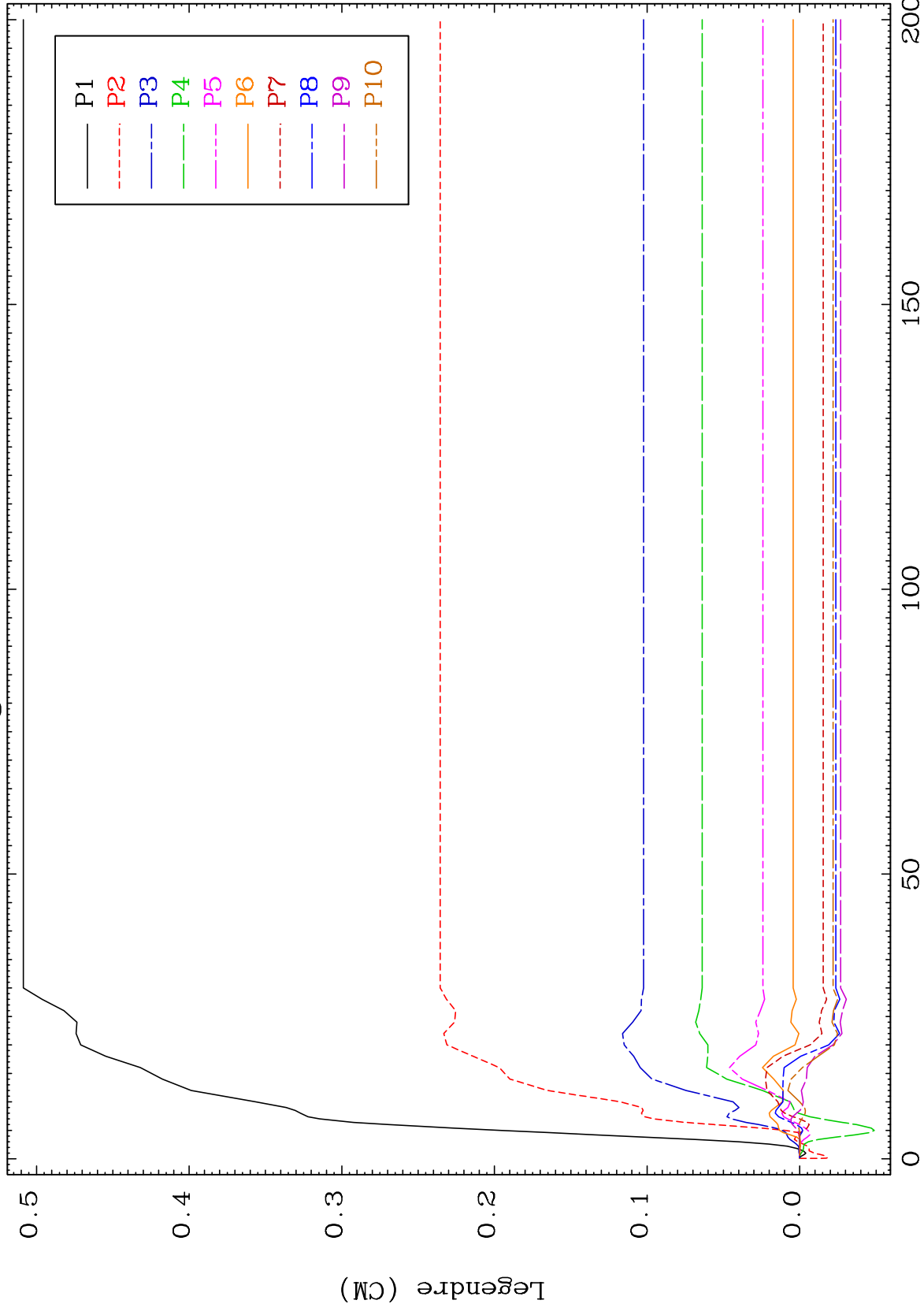




MAT 8540

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

85-At-208



23

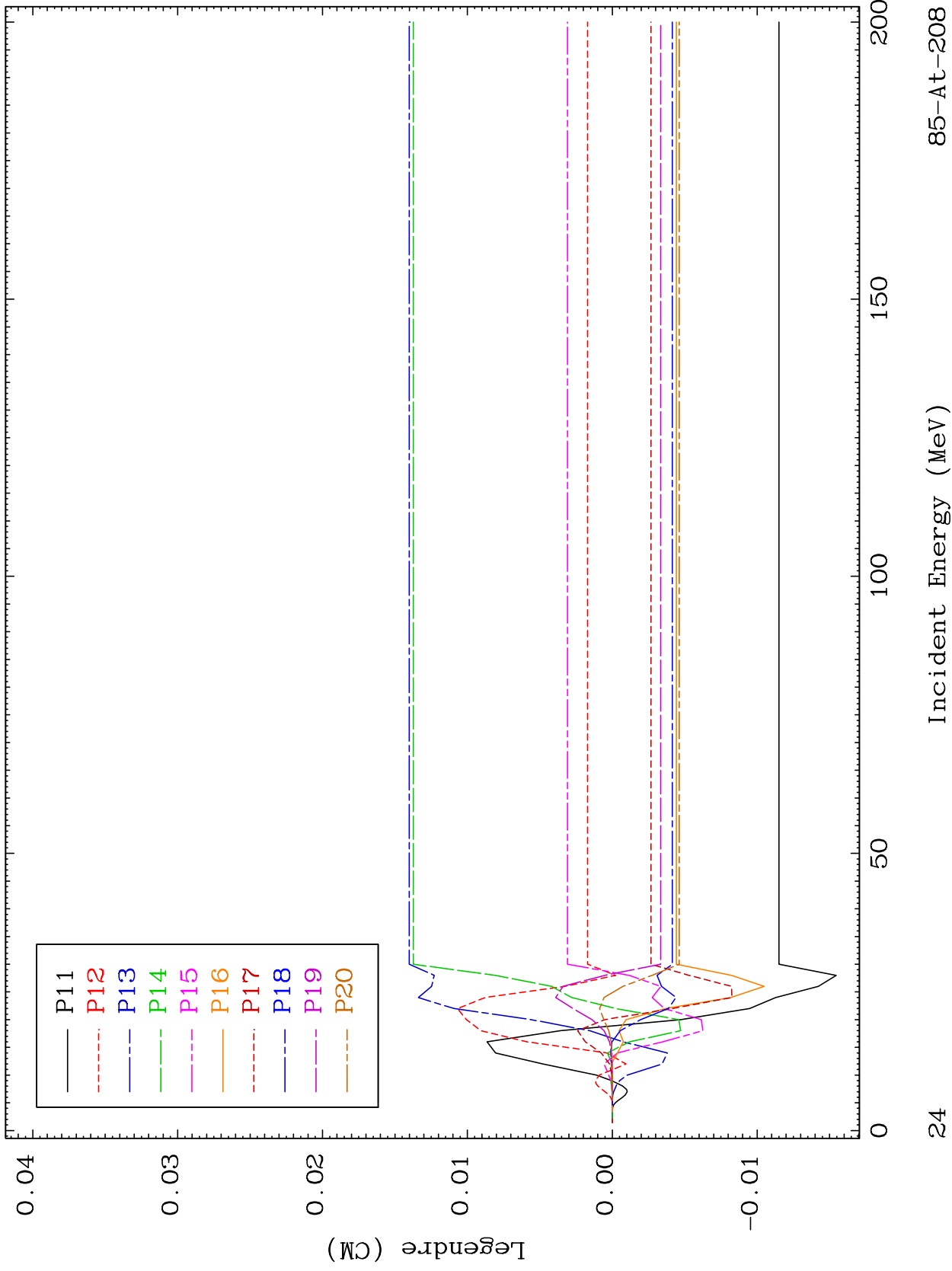
Incident Energy (MeV)

85-At-208

MAT 8540

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

85-At-208



24

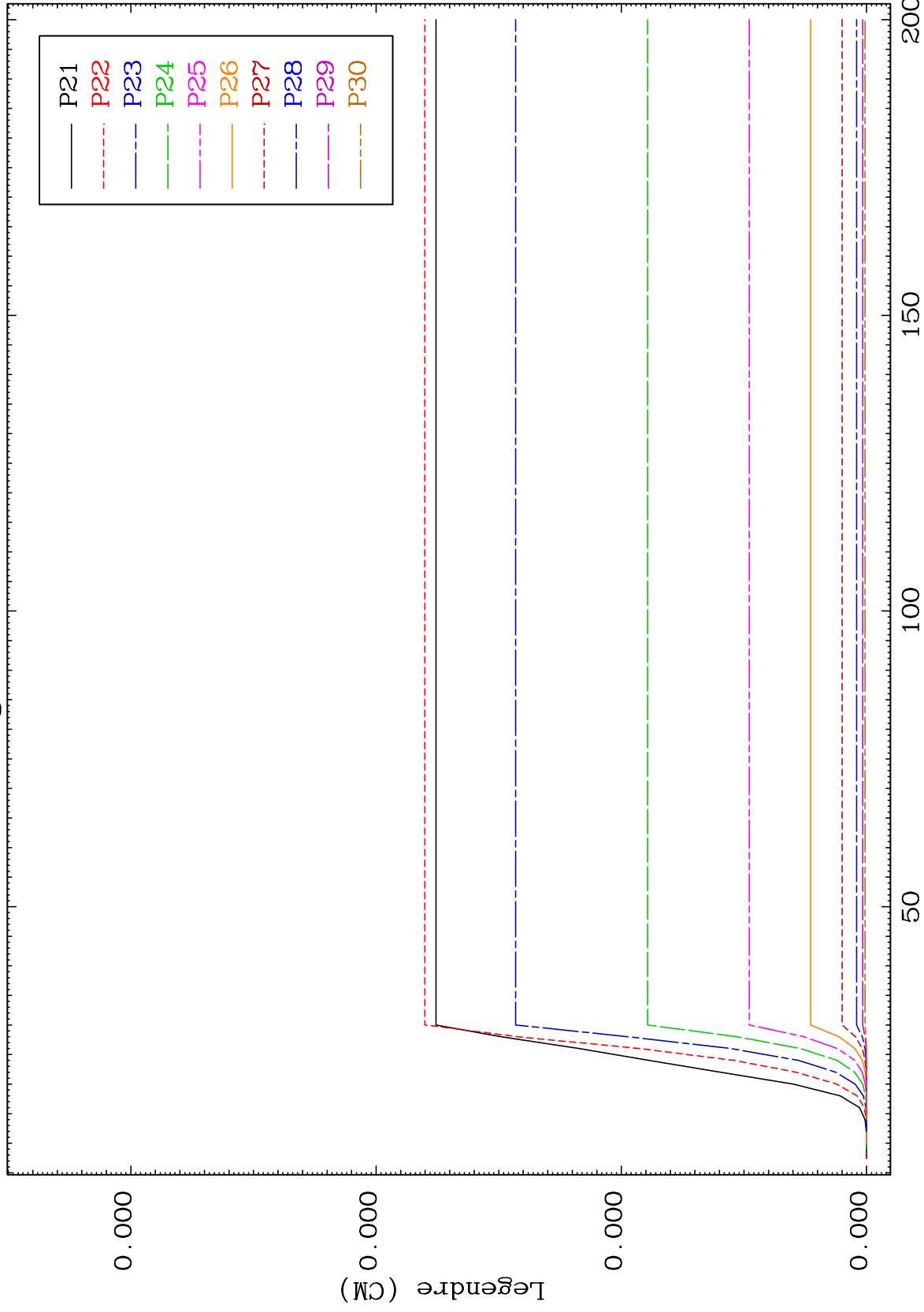
Incident Energy (MeV)

85-At-208

MAT 8540

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

85-At-208



25

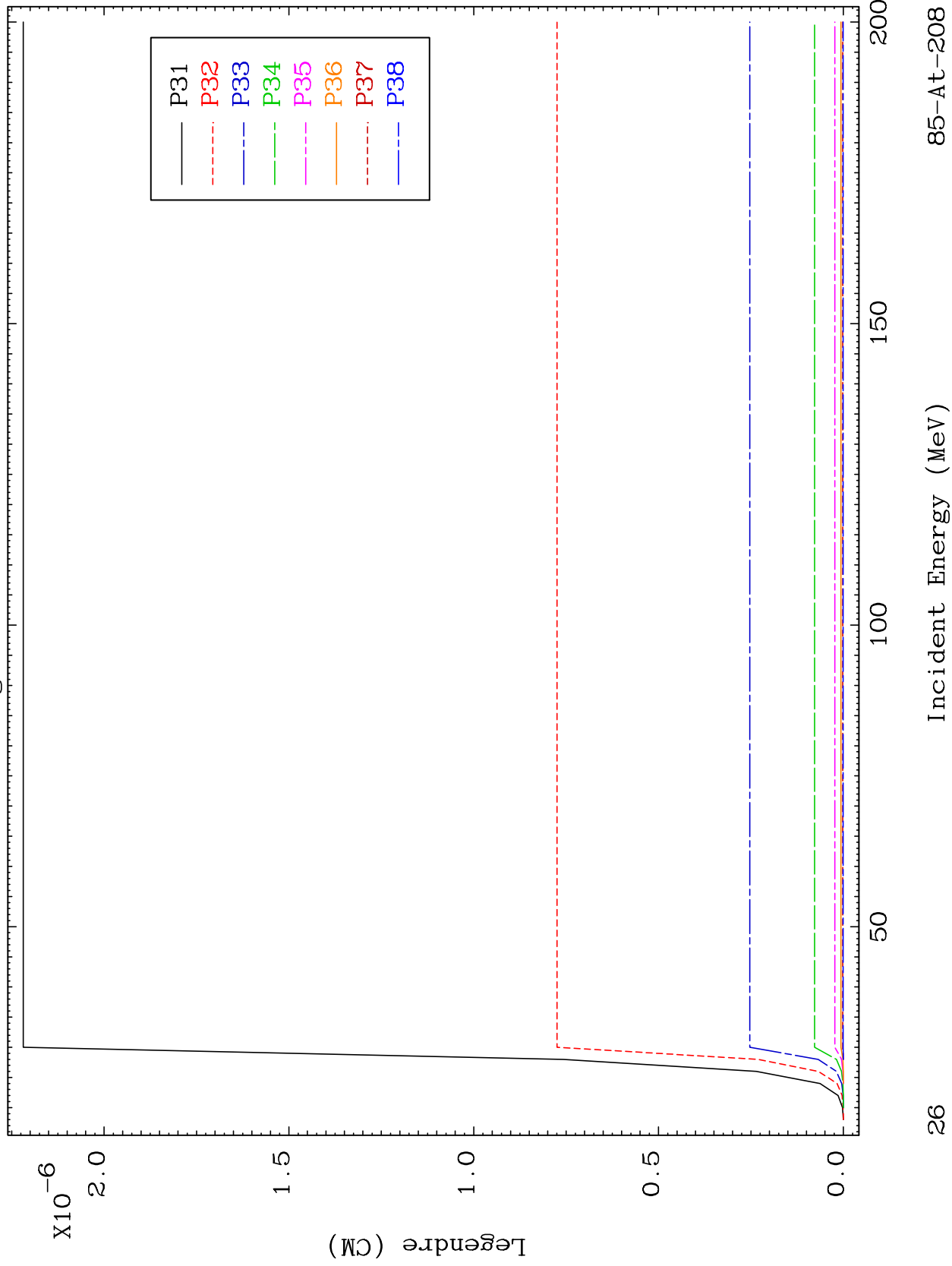
Incident Energy (MeV)

85-At-208

MAT 8540

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

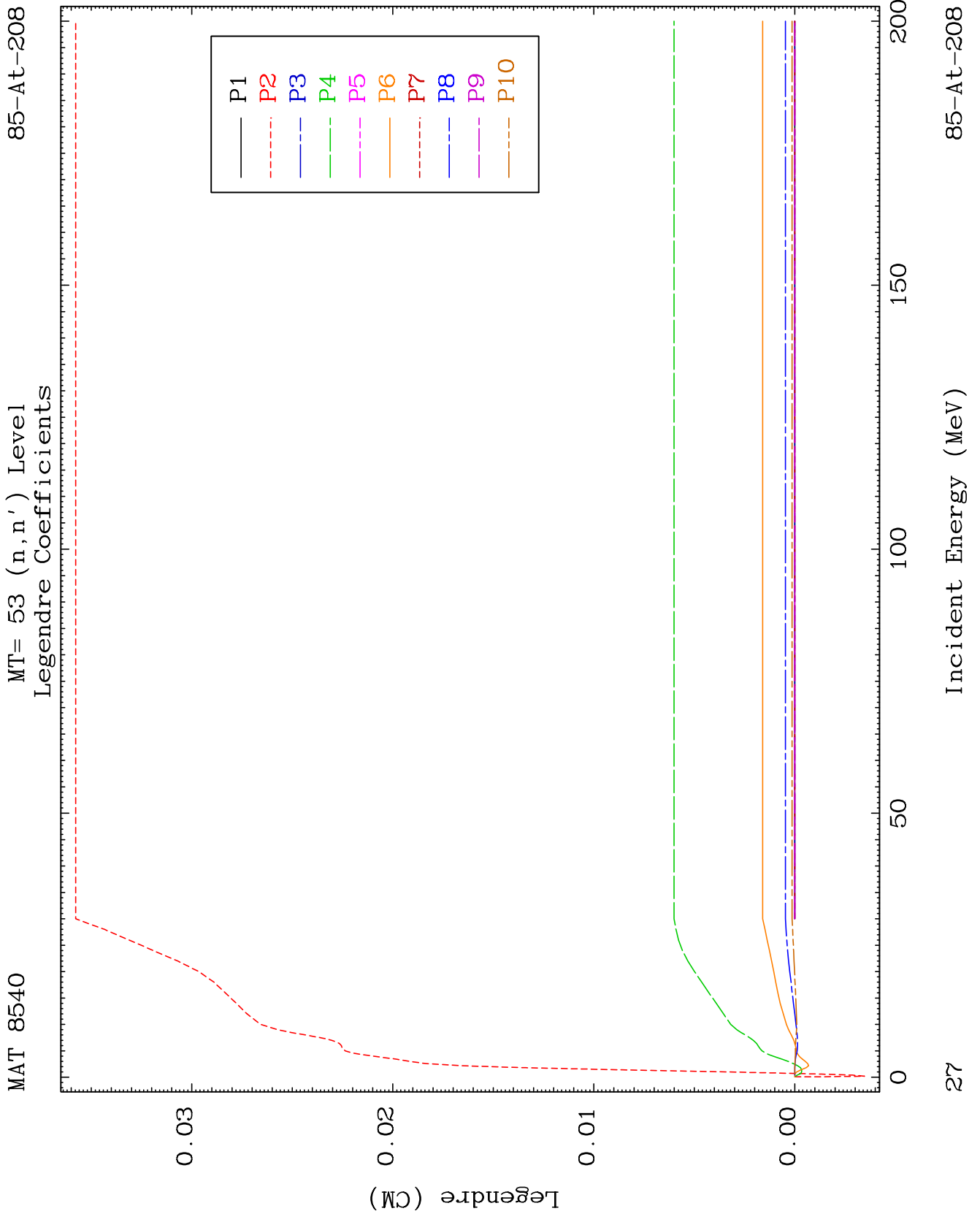
85-At-208



26

Incident Energy (MeV)

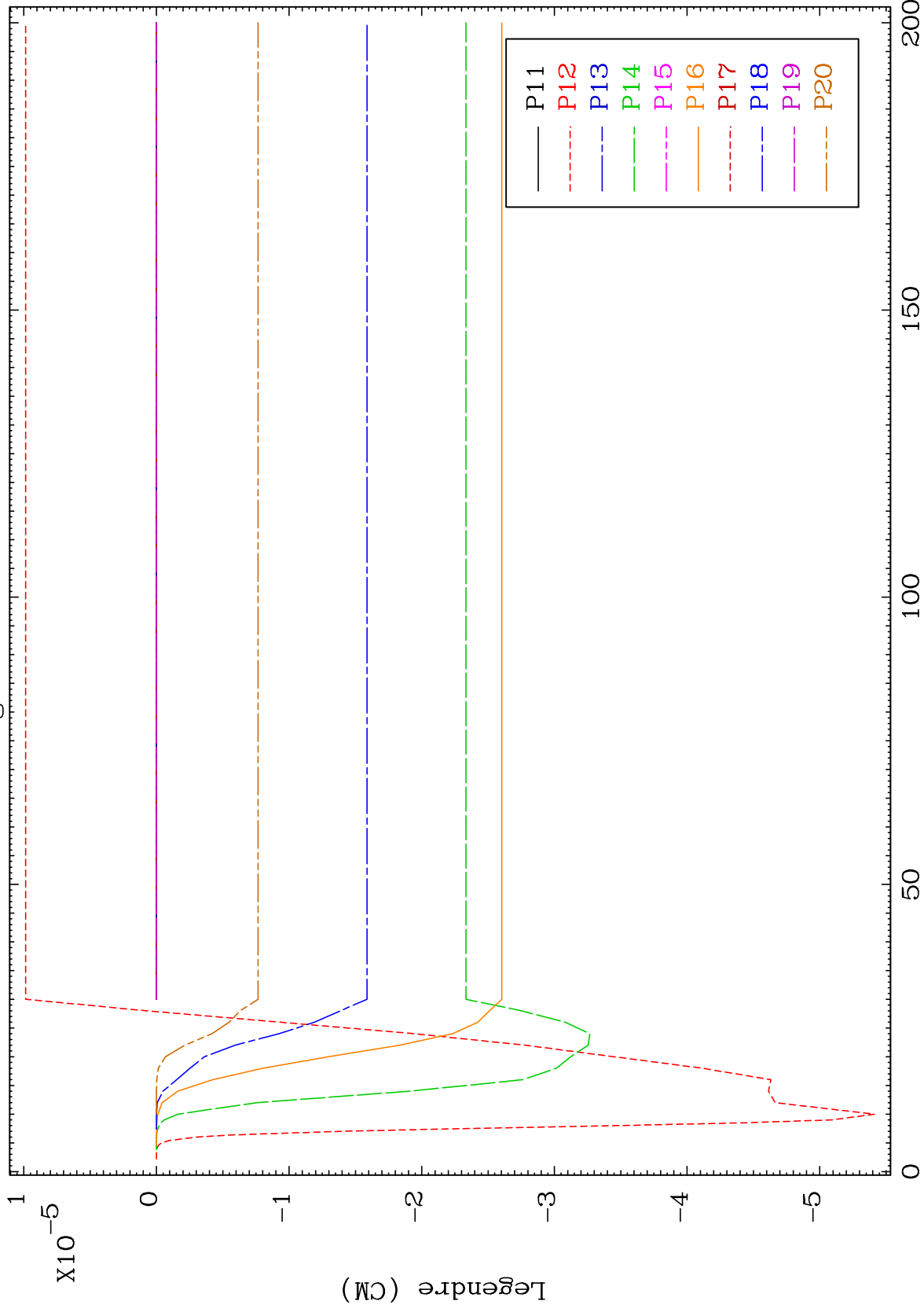
85-At-208



MAT 8540

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

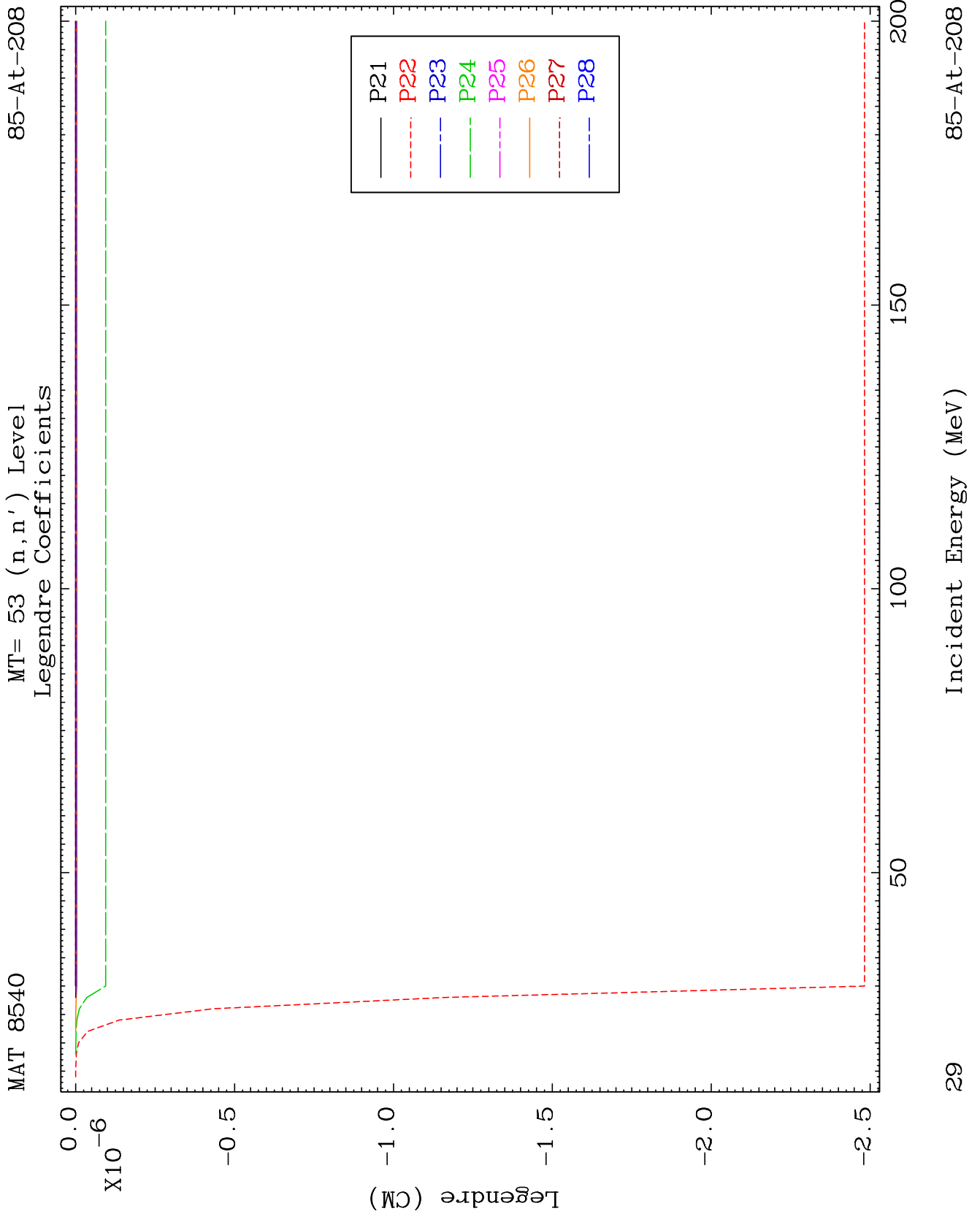
85-At-208



28

Incident Energy (MeV)

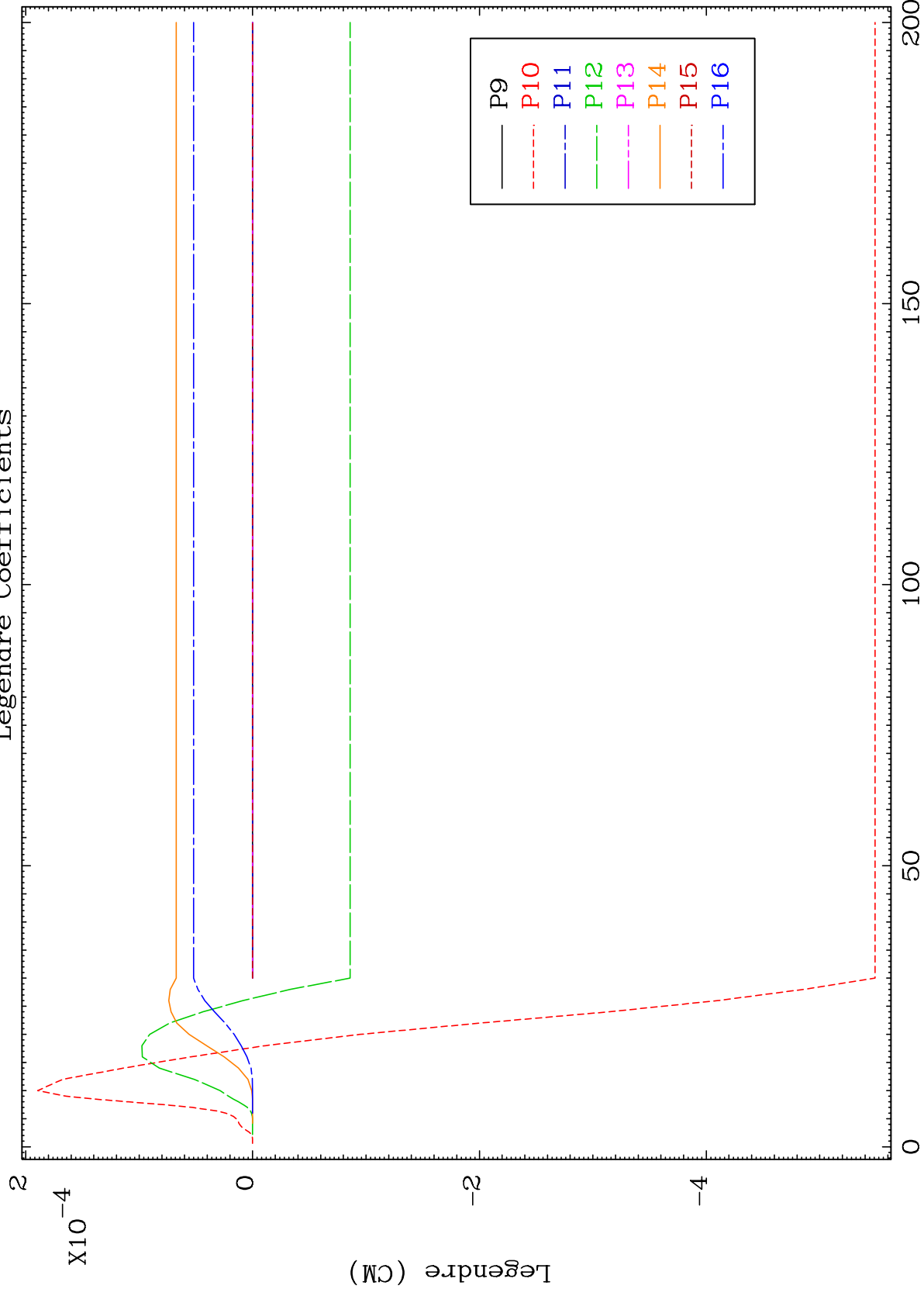
85-At-208



MAT 8540

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

85-At-208



31

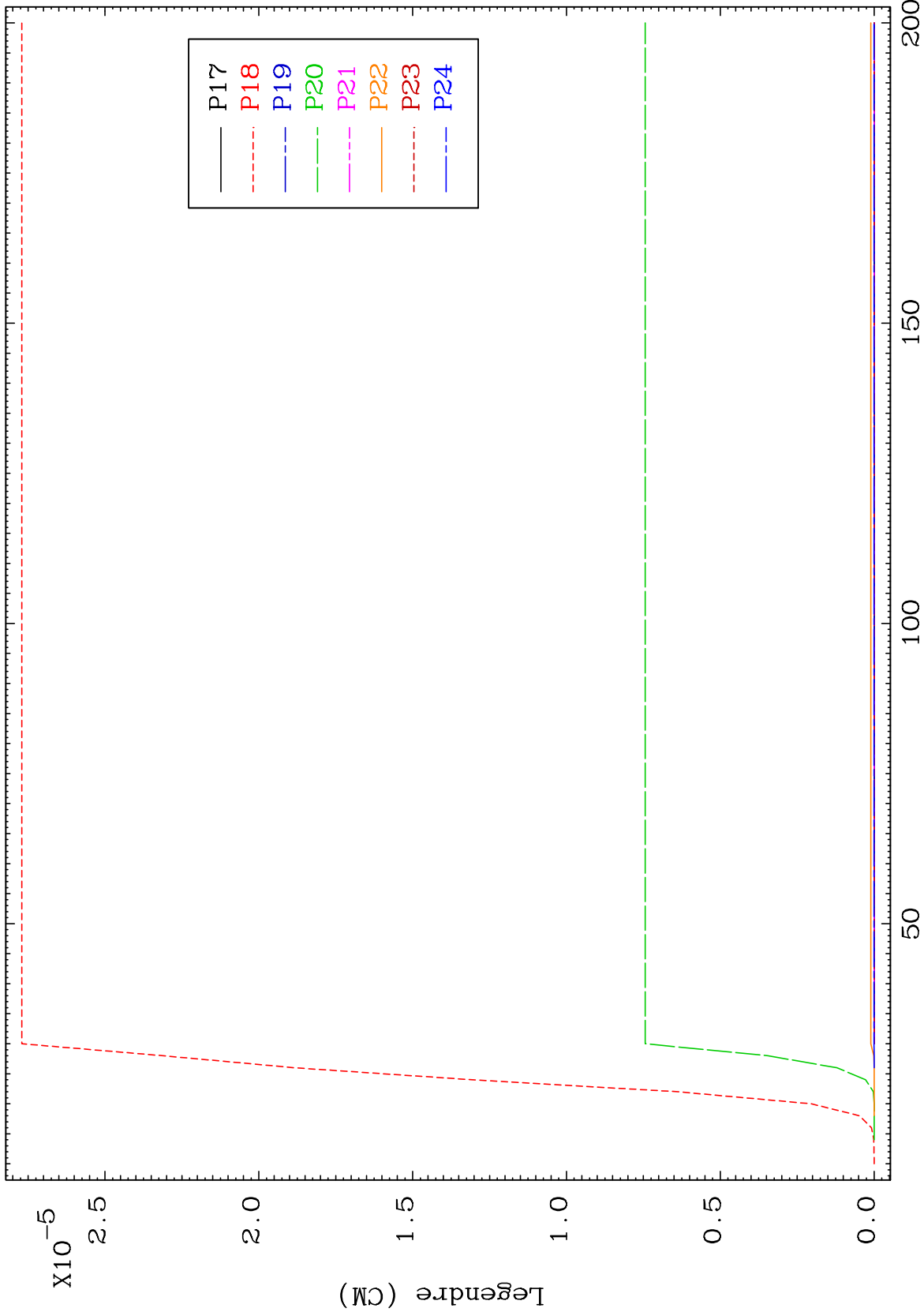
Incident Energy (MeV)

85-At-208

MAT 8540

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

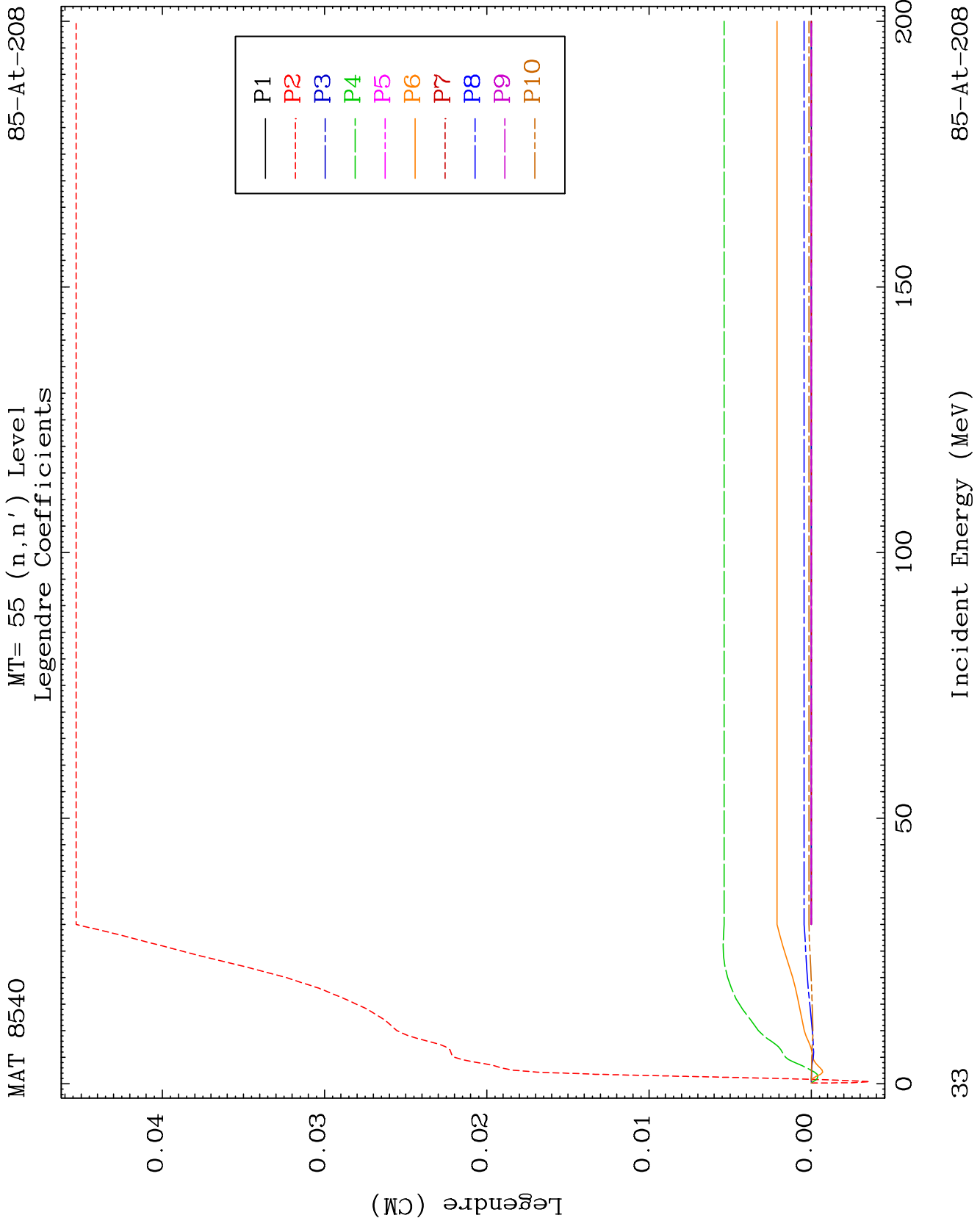
85-At-208



85-At-208

Incident Energy (MeV)

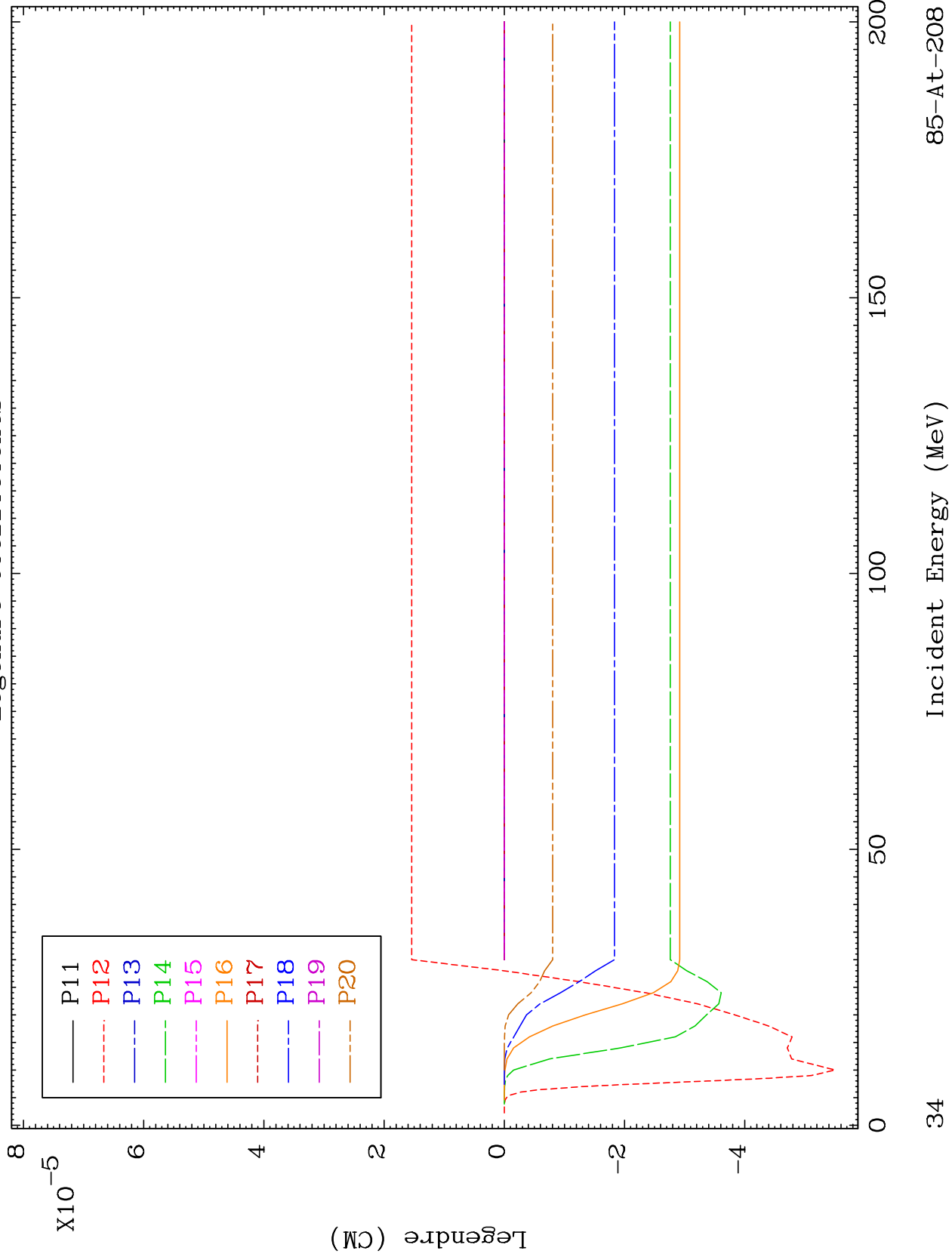
32



MAT 8540

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

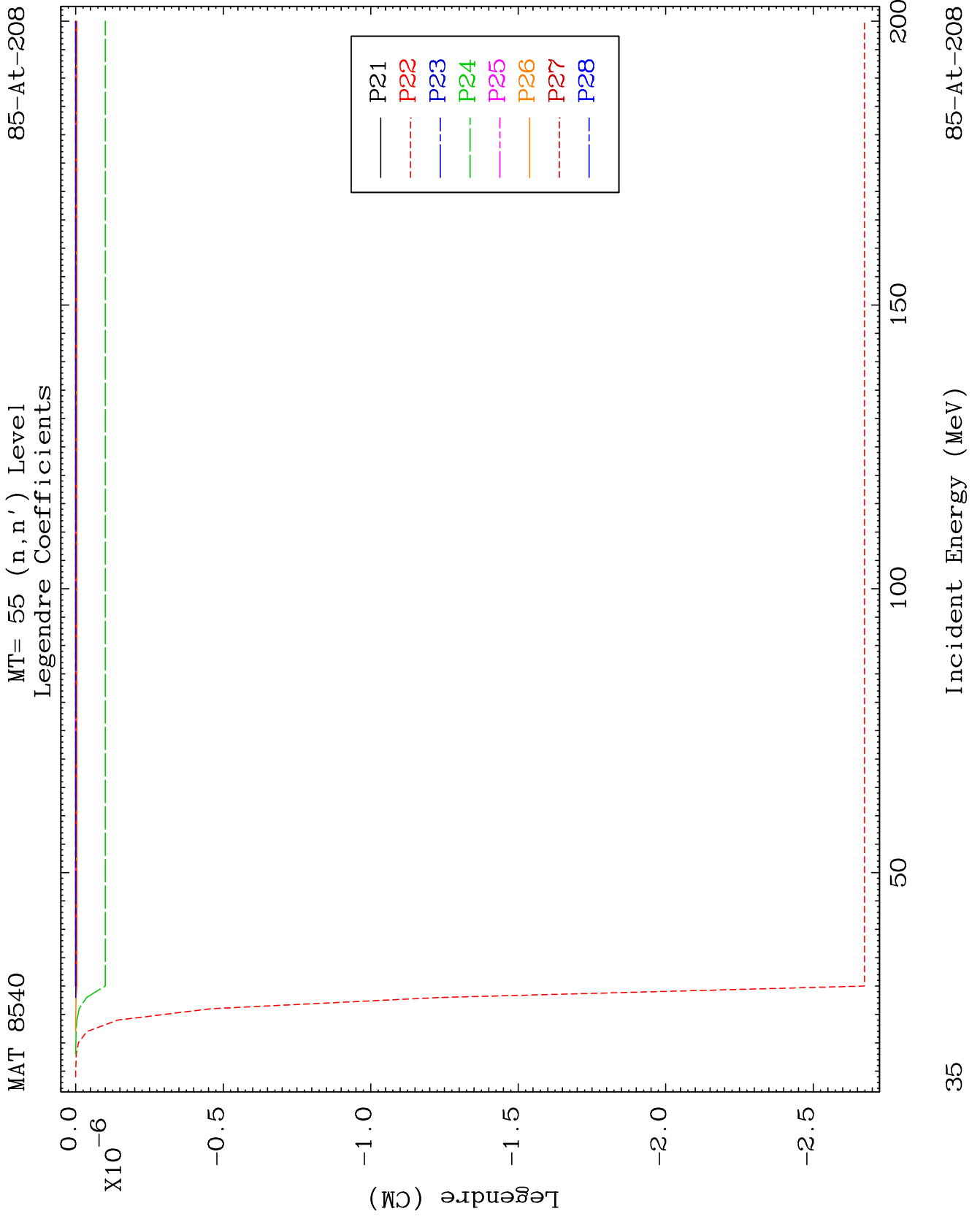
85-At-208



34

Incident Energy (MeV)

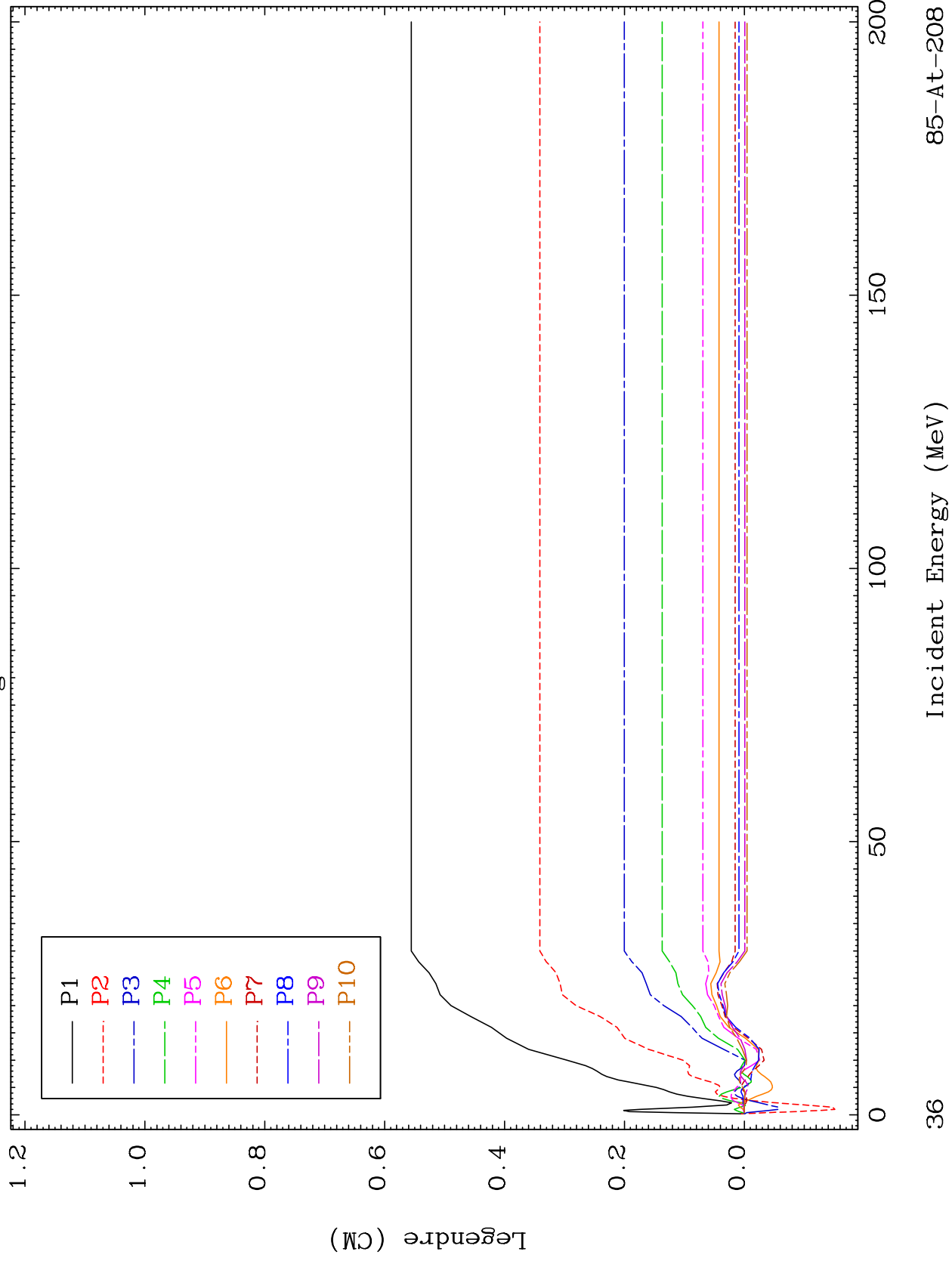
85-At-208



MAT 8540

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

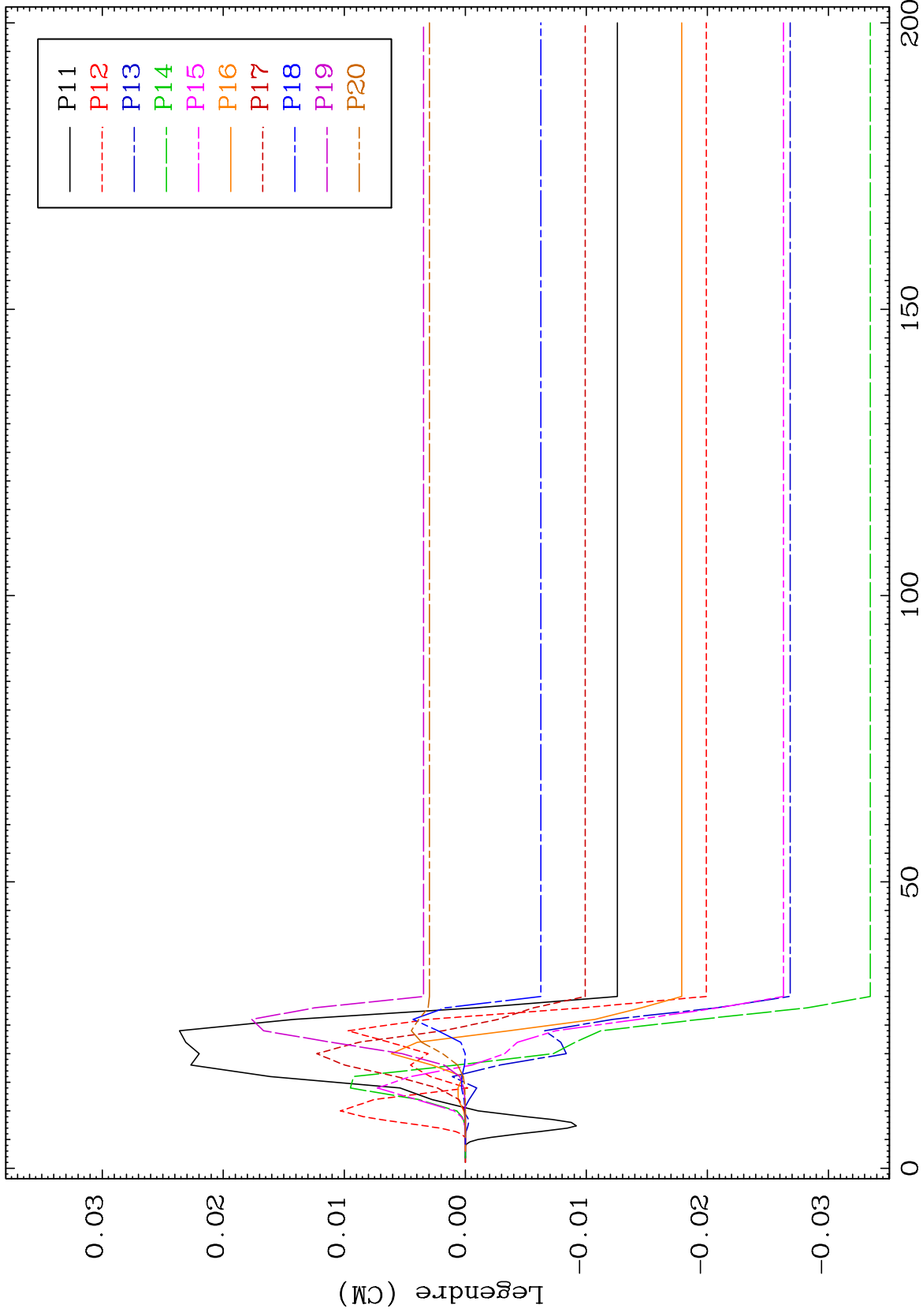
85-At-208



MAT 8540

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

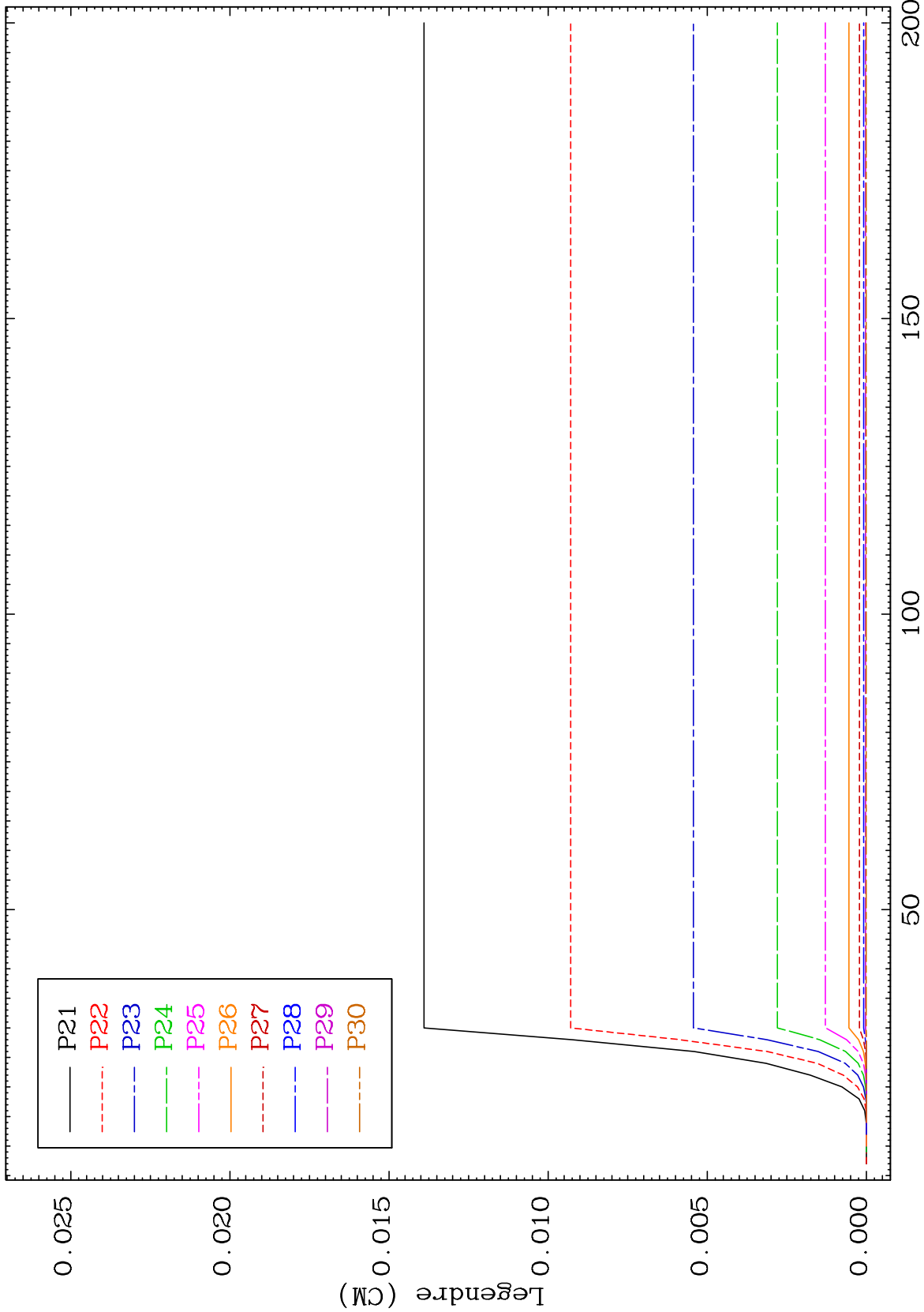
85-At-208



37

Incident Energy (MeV)

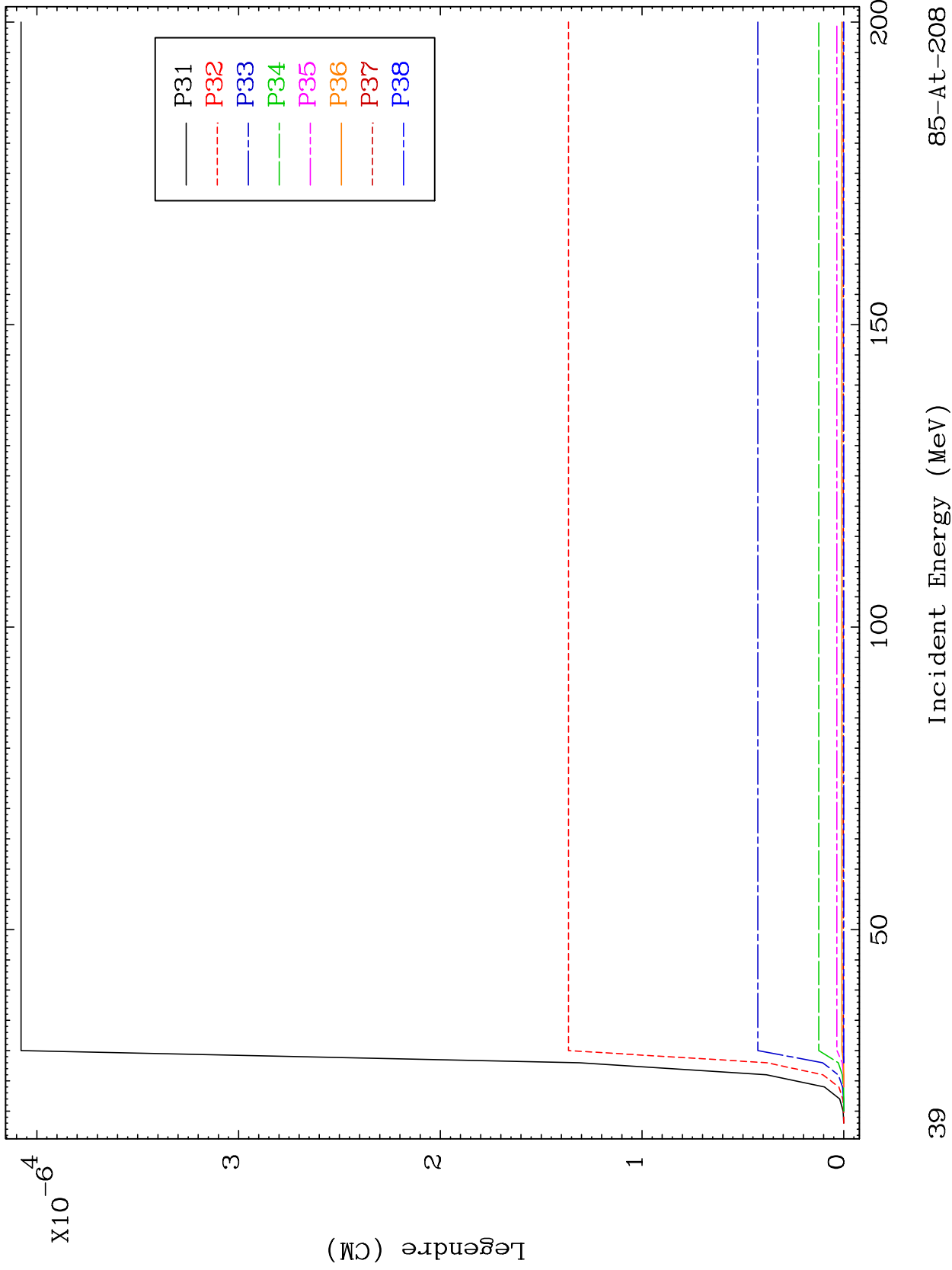
85-At-208



MAT 8540

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

85-At-208



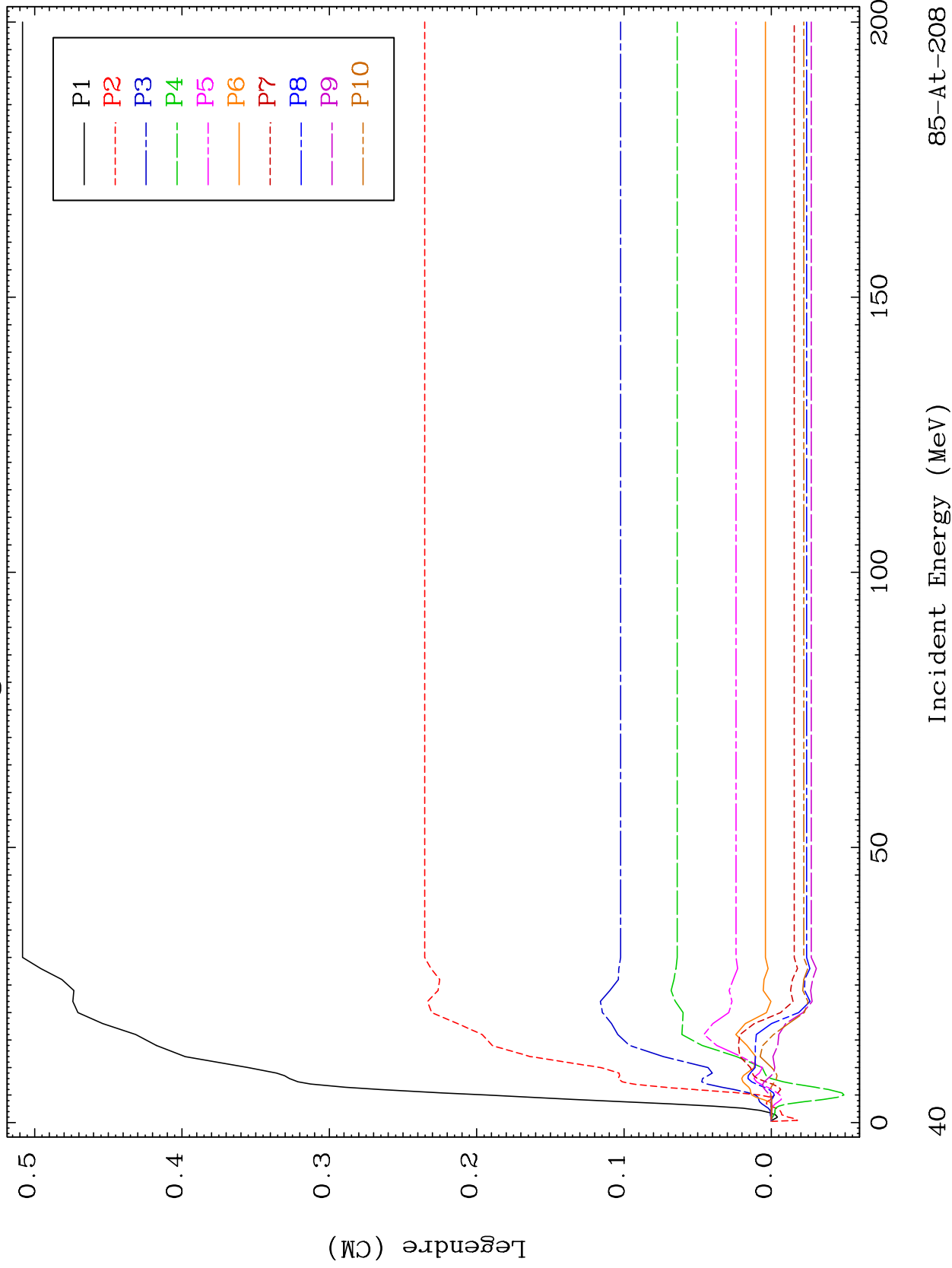
39

85-At-208

MAT 8540

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

85-At-208

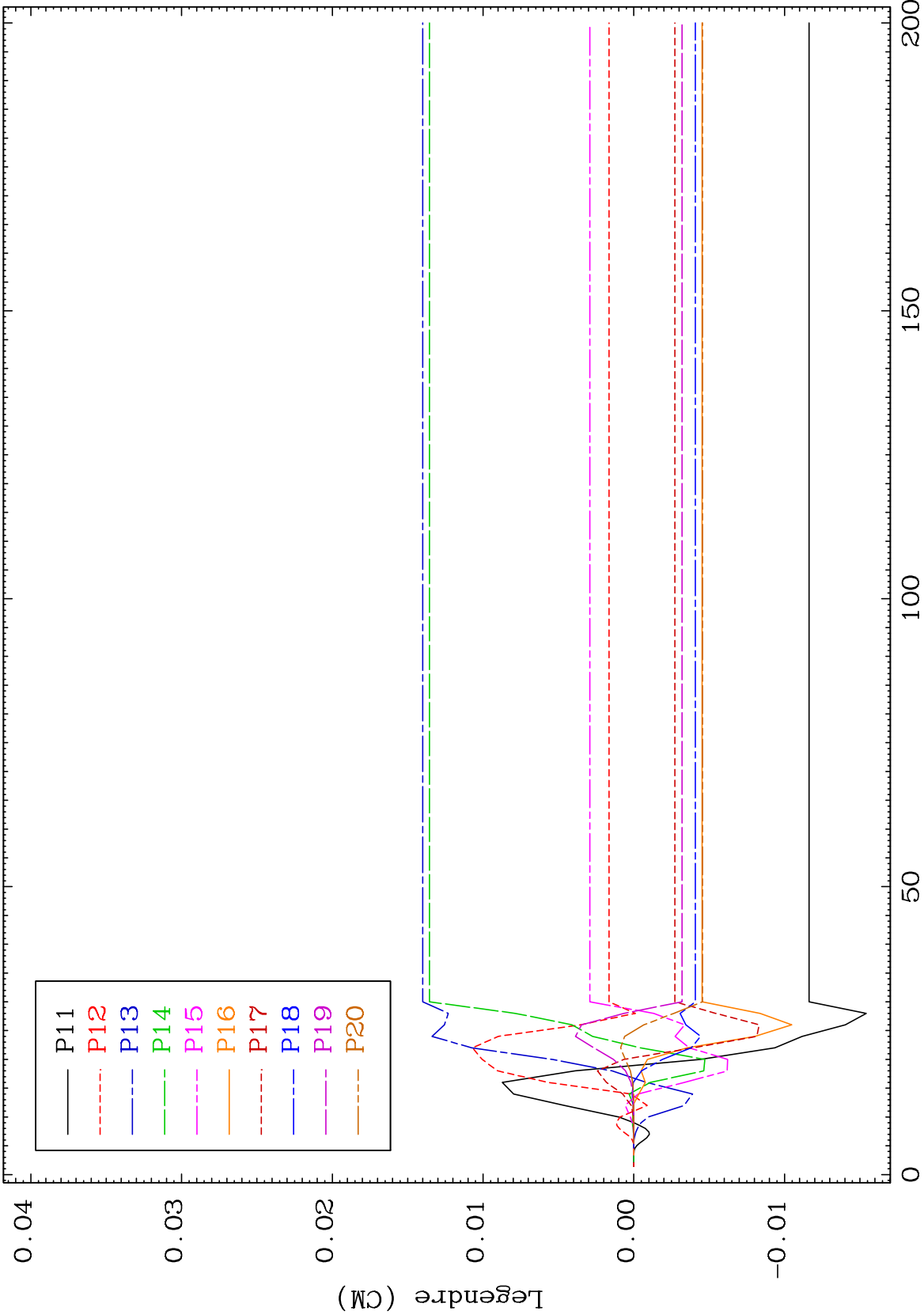


85-At-208

MAT 8540

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

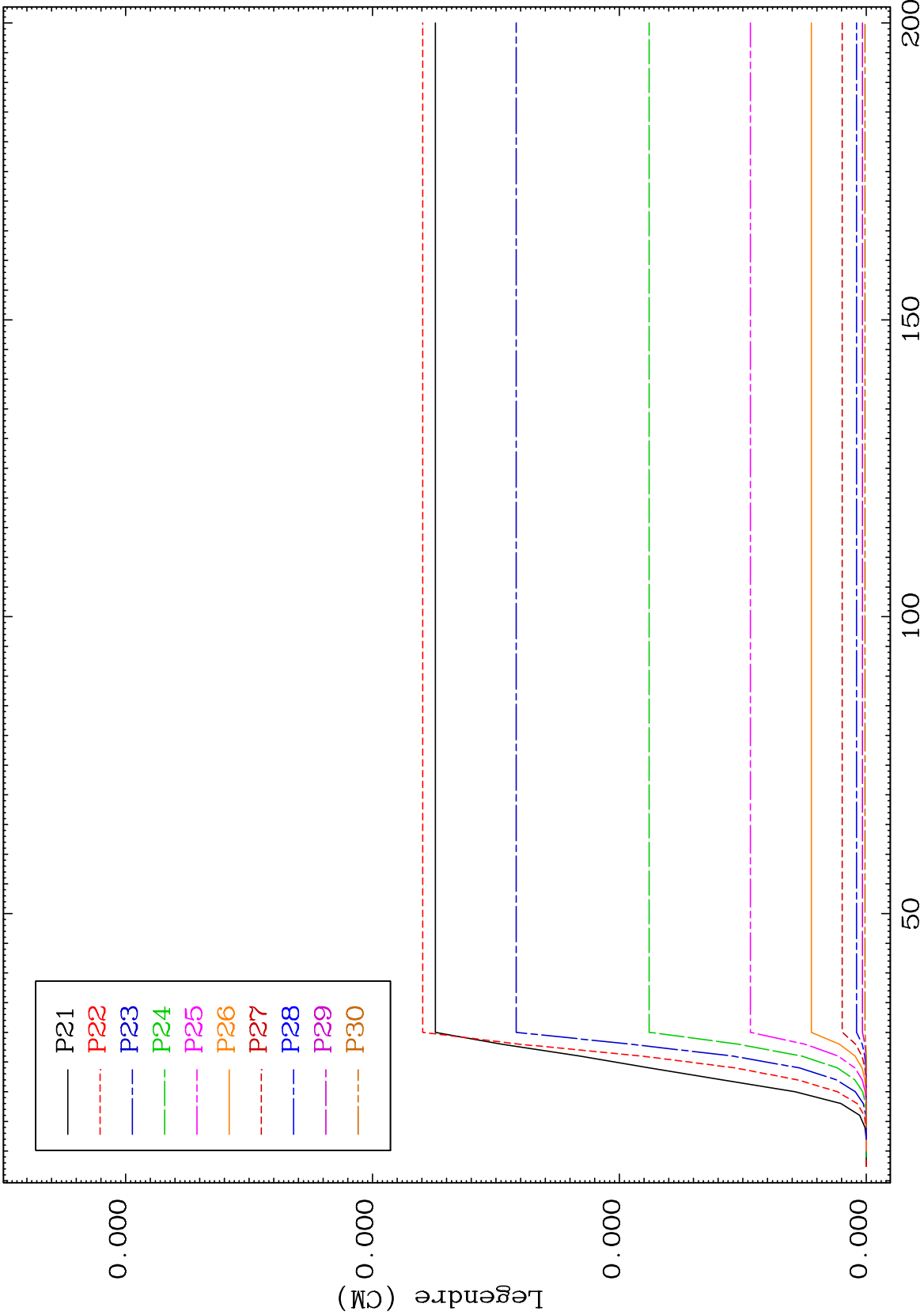
85-At-208



MAT 8540

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

85-At-208



42

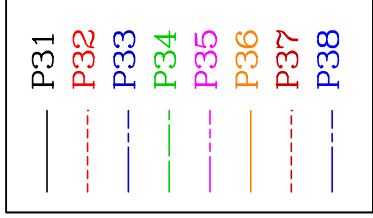
85-At-208

MAT 8540

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

85-At-208

$\times 10^{-6}$

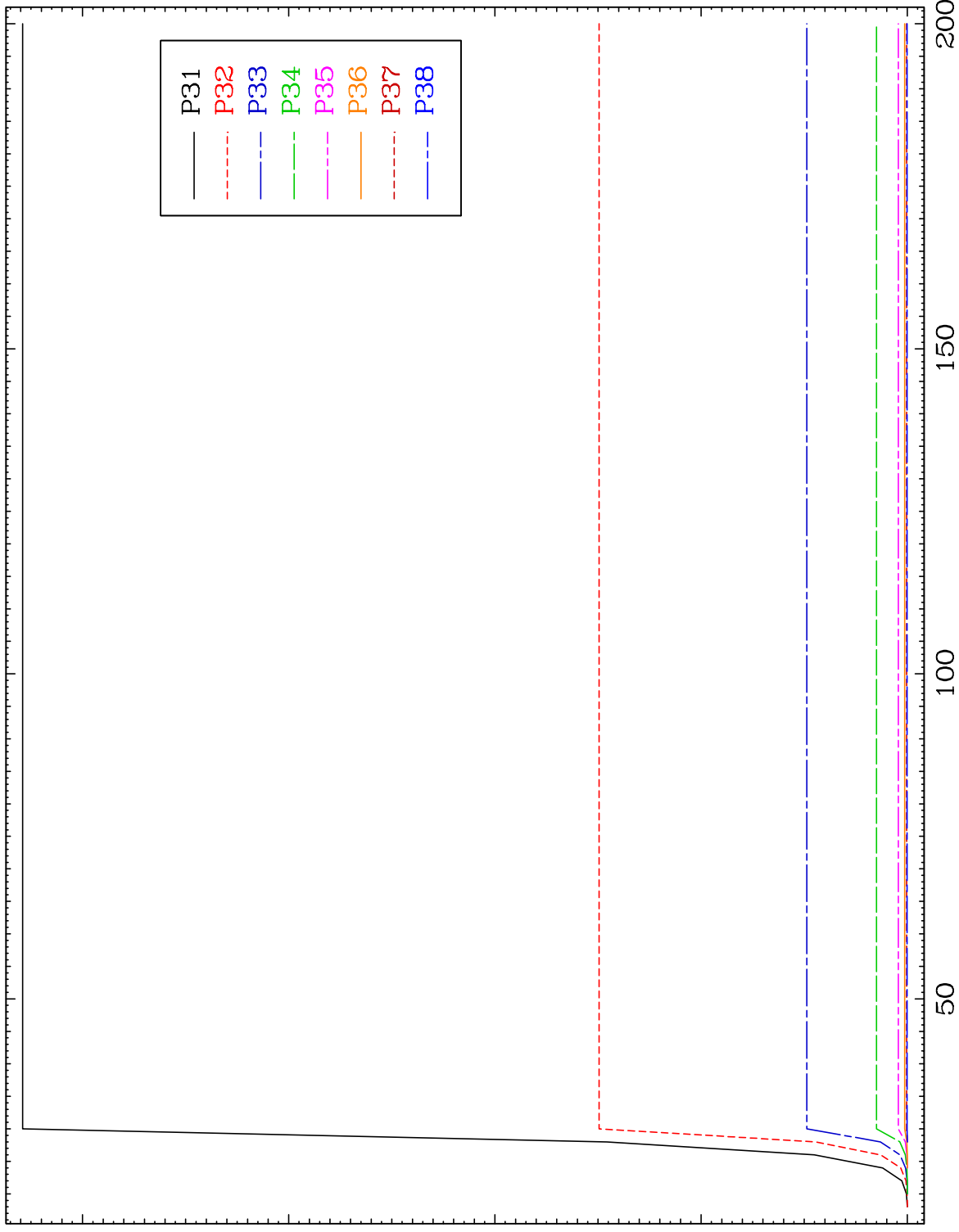


Legendre (CM)

43

Incident Energy (MeV)

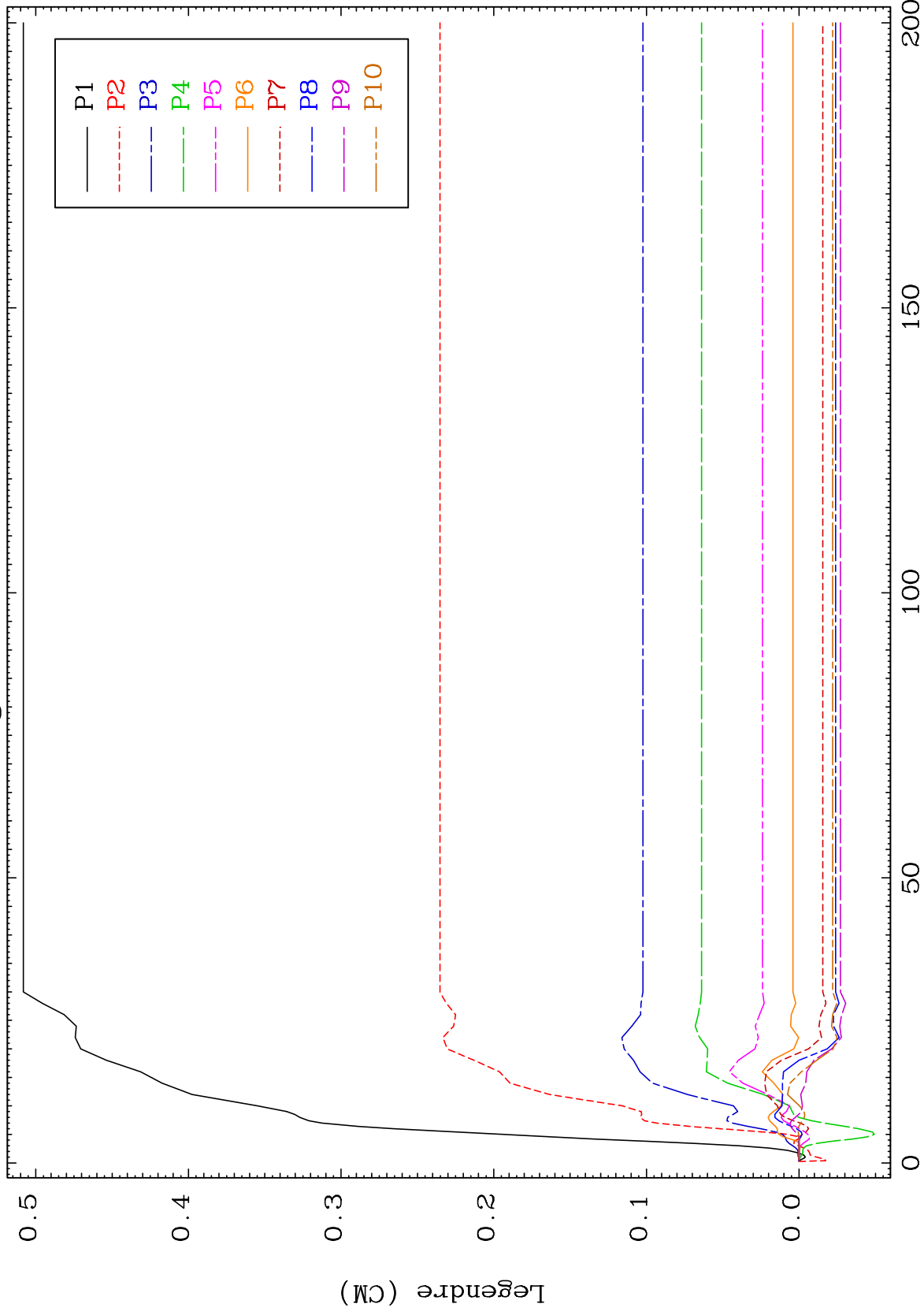
85-At-208



MAT 8540

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

85-At-208



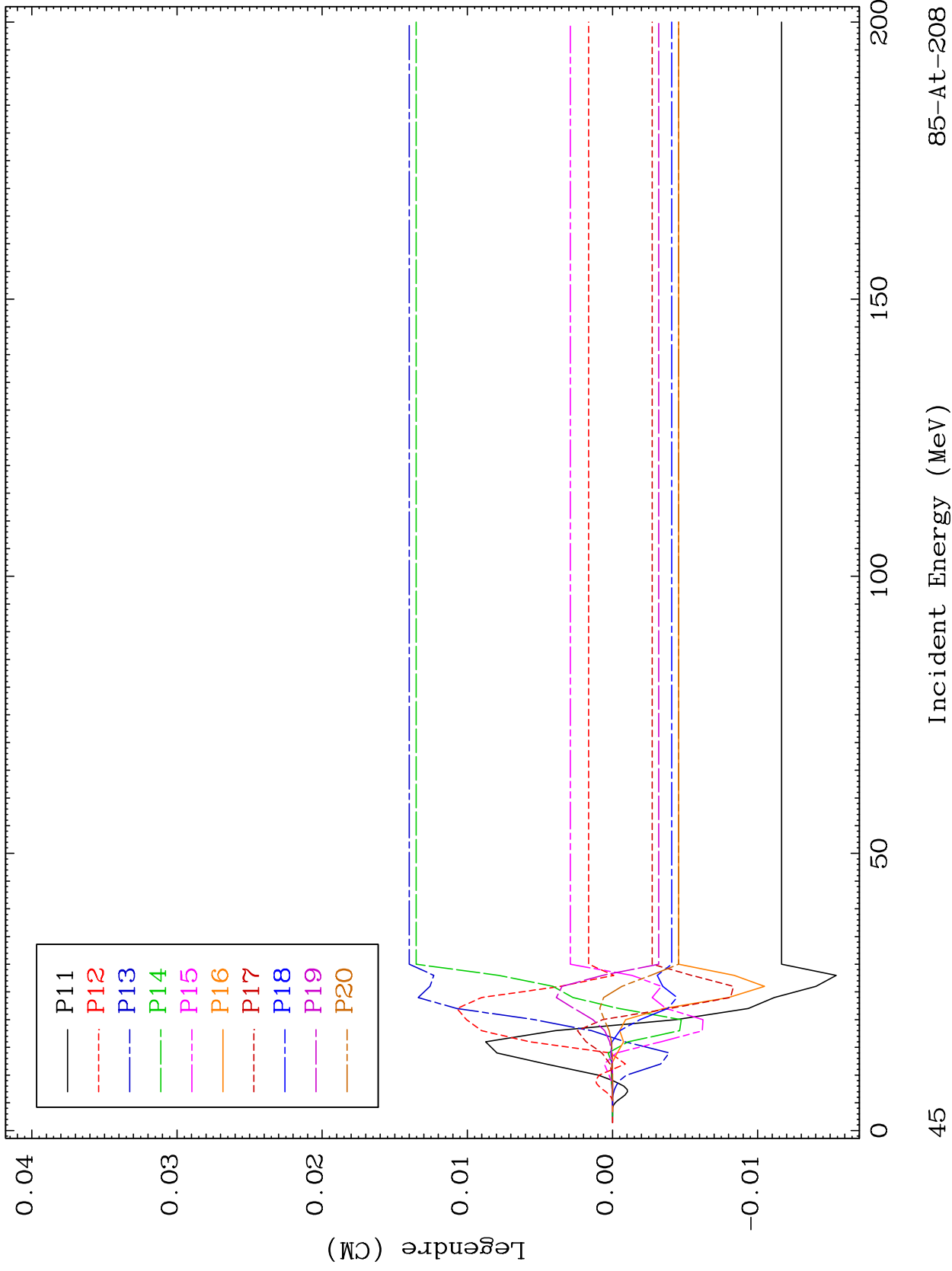
44

85-At-208

MAT 8540

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

85-At-208



85-At-208

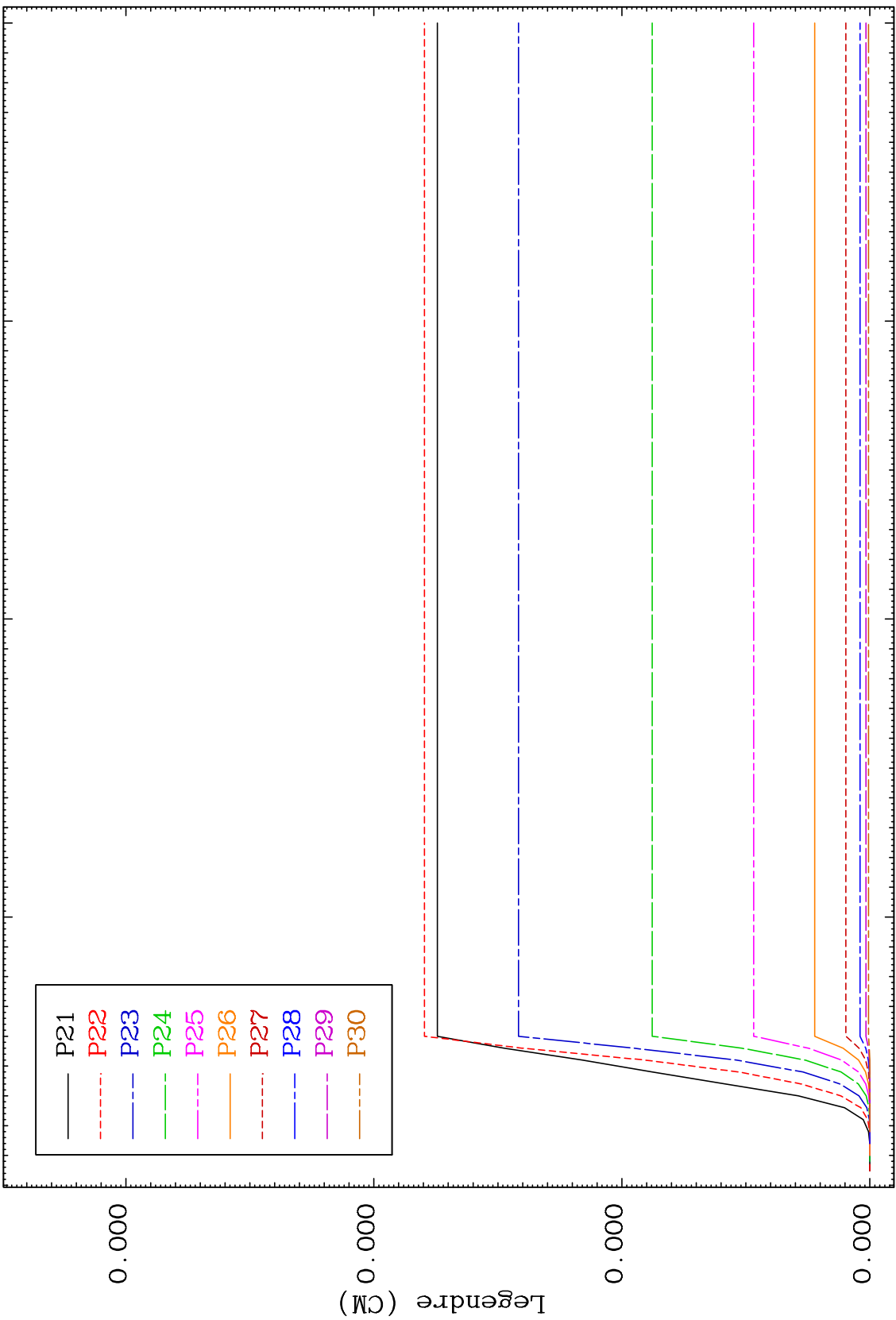
Incident Energy (MeV)

45

MAT 8540

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

85-At-208



200

150

100

50

46

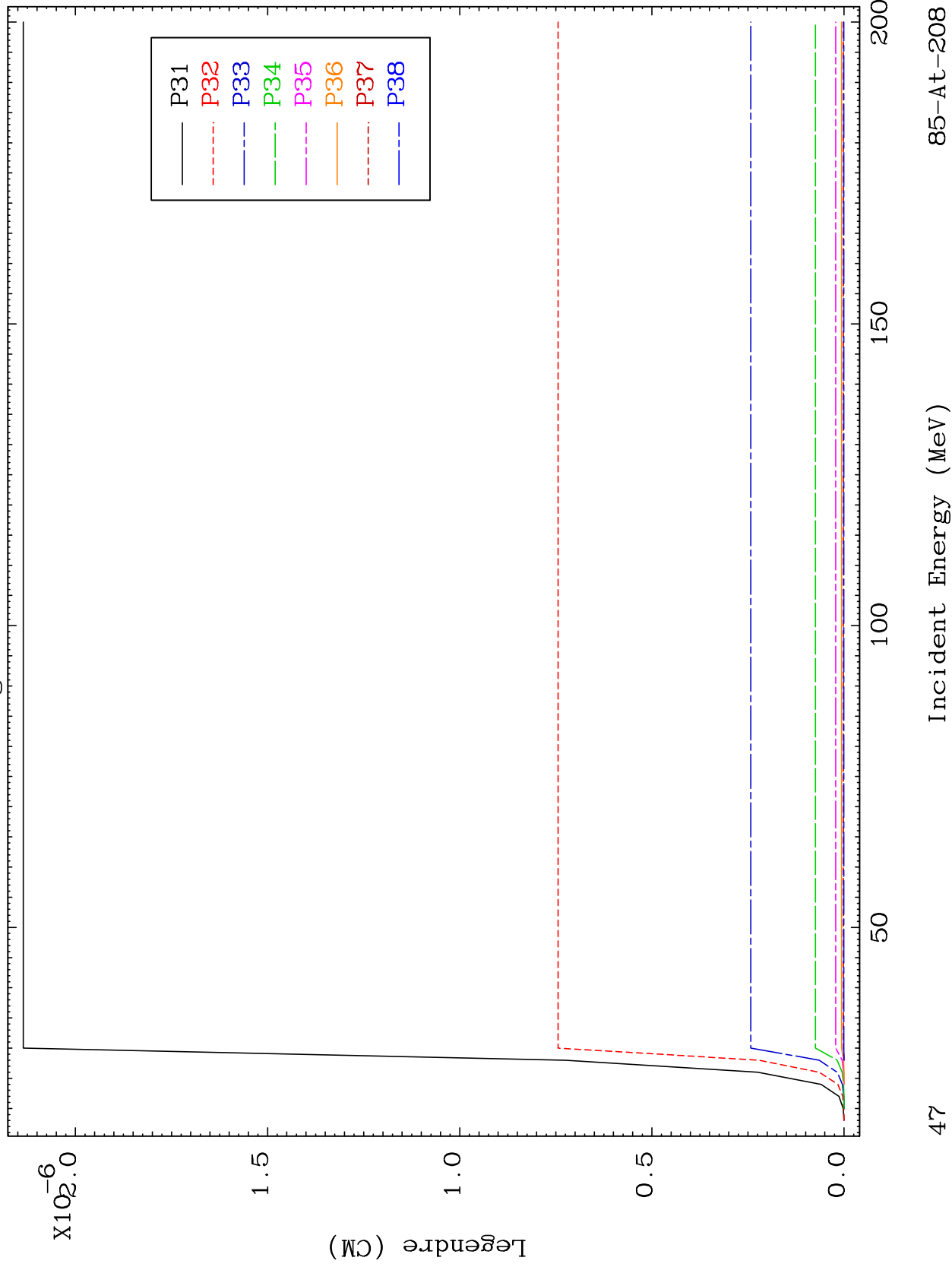
Incident Energy (MeV)

85-At-208

MAT 8540

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

85-At-208



47

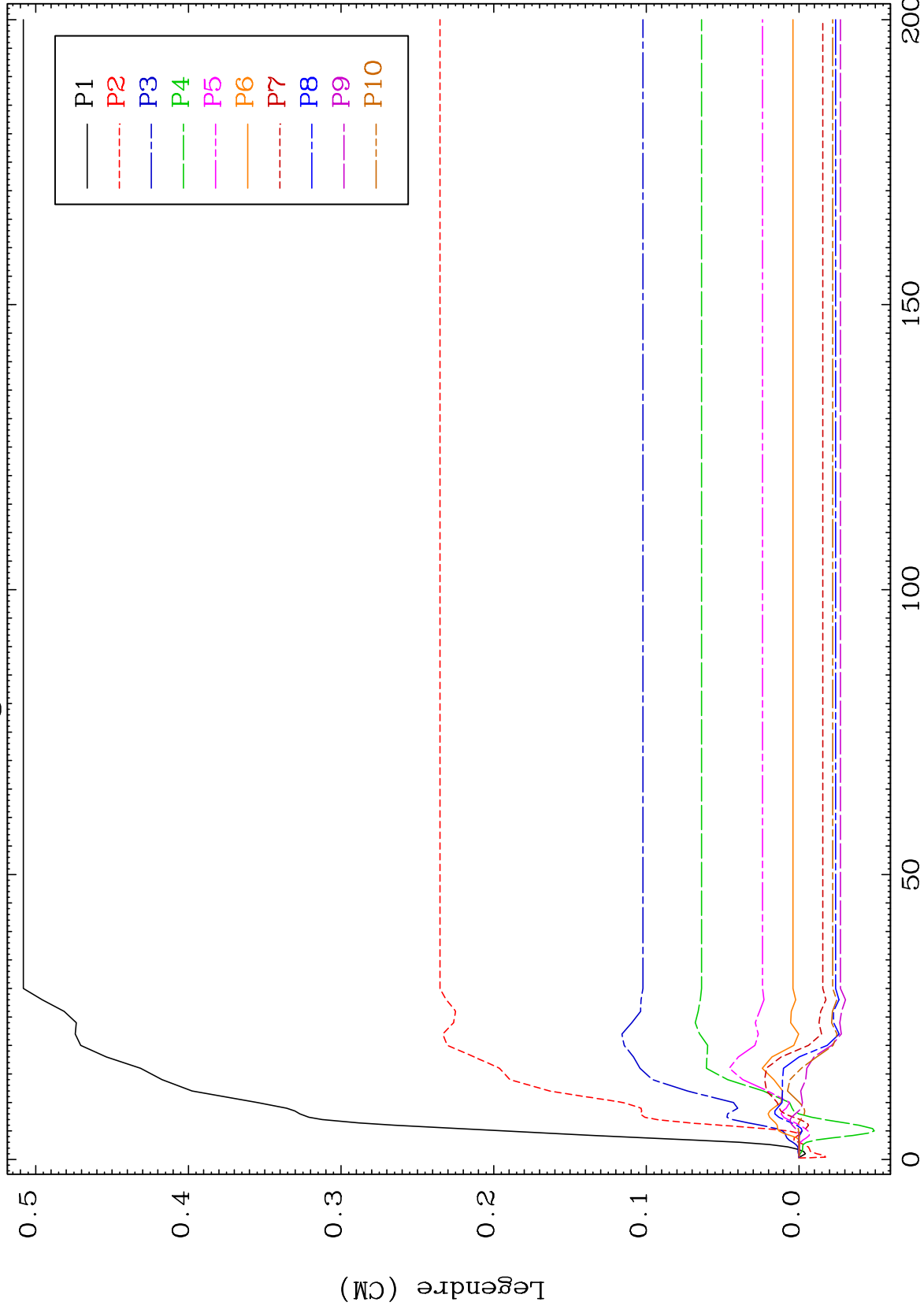
Incident Energy (MeV)

85-At-208

MAT 8540

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

85-At-208



48

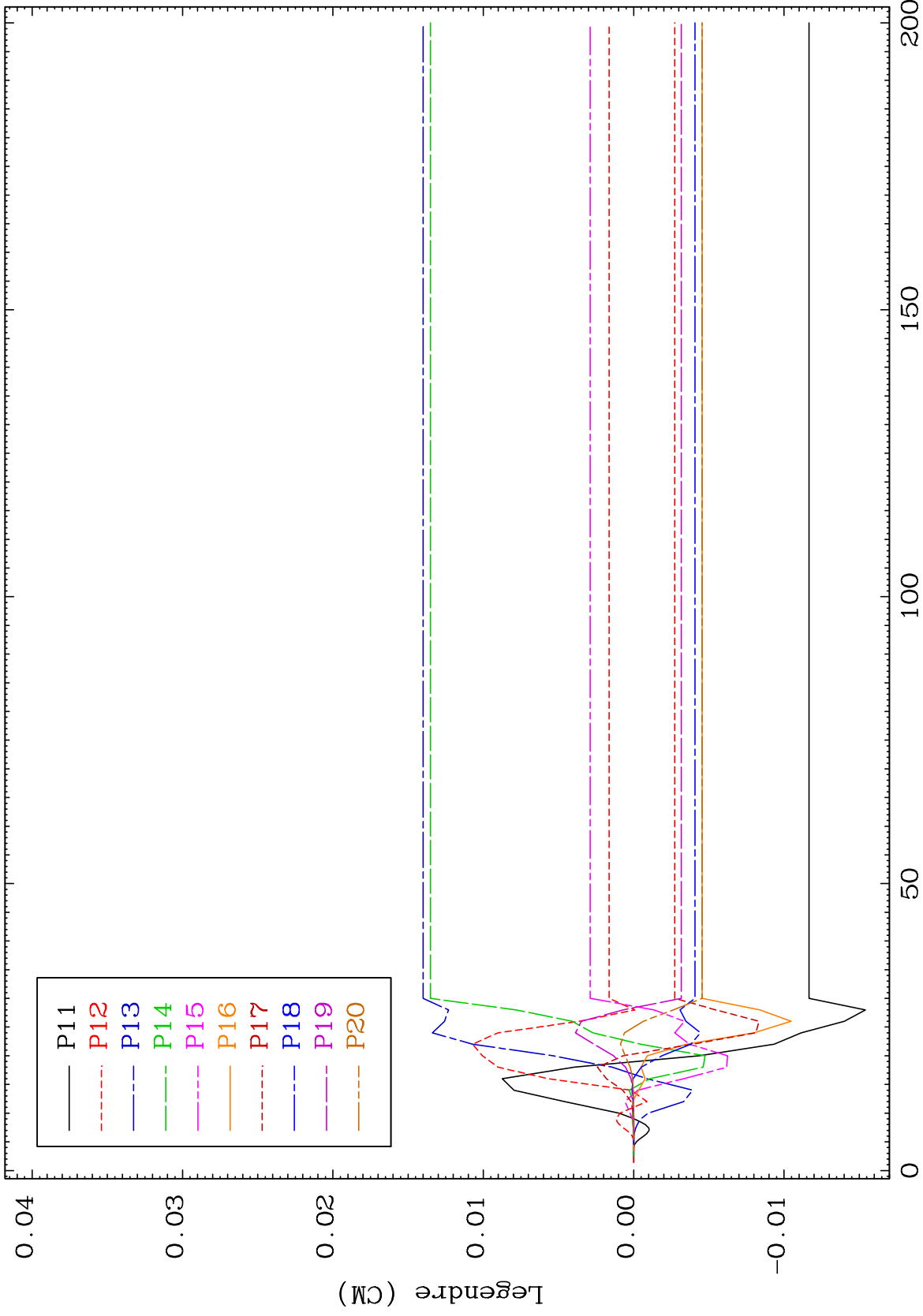
Incident Energy (MeV)

85-At-208

MAT 8540

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

85-At-208



49

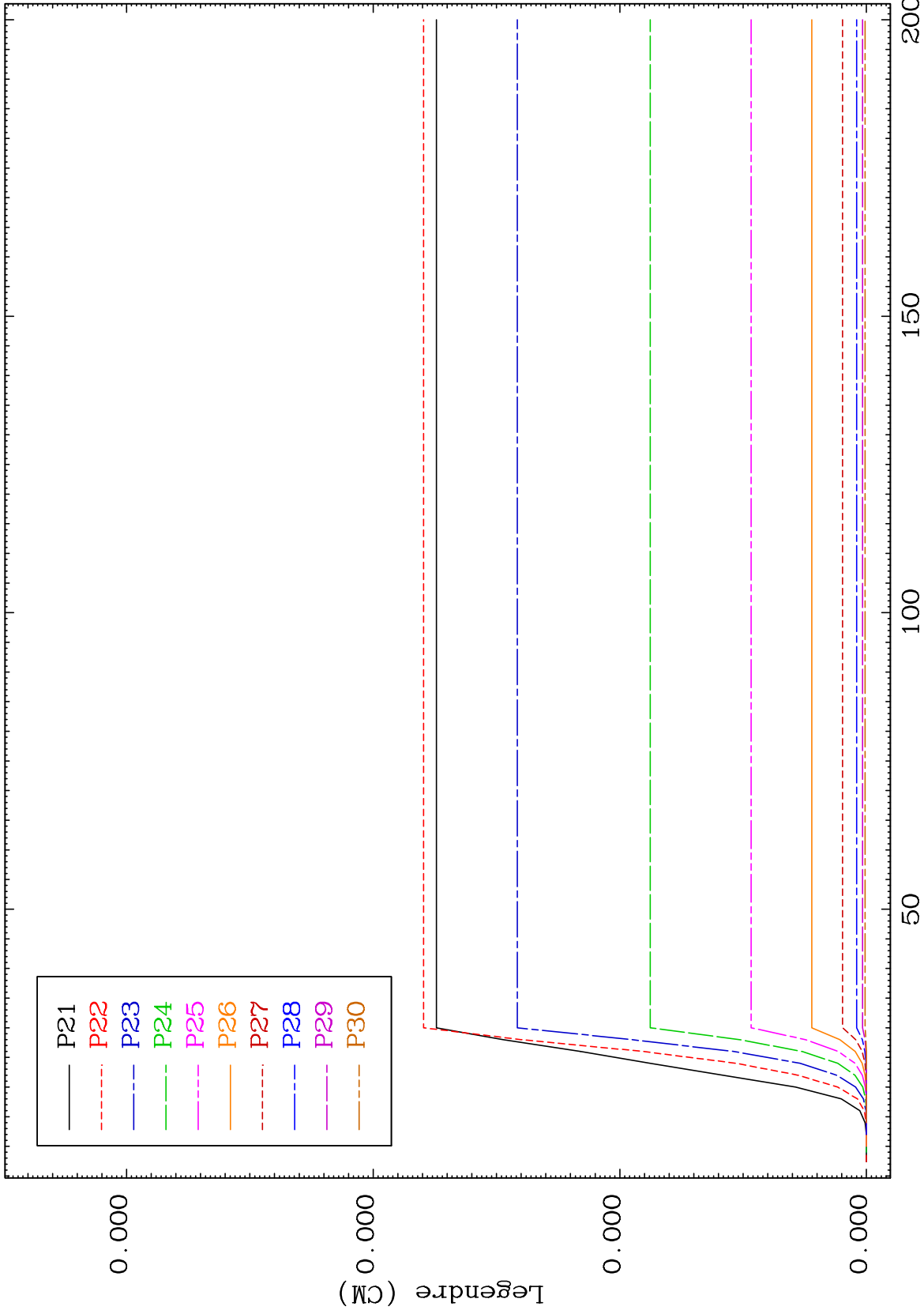
Incident Energy (MeV)

85-At-208

MAT 8540

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

85-At-208



50

50

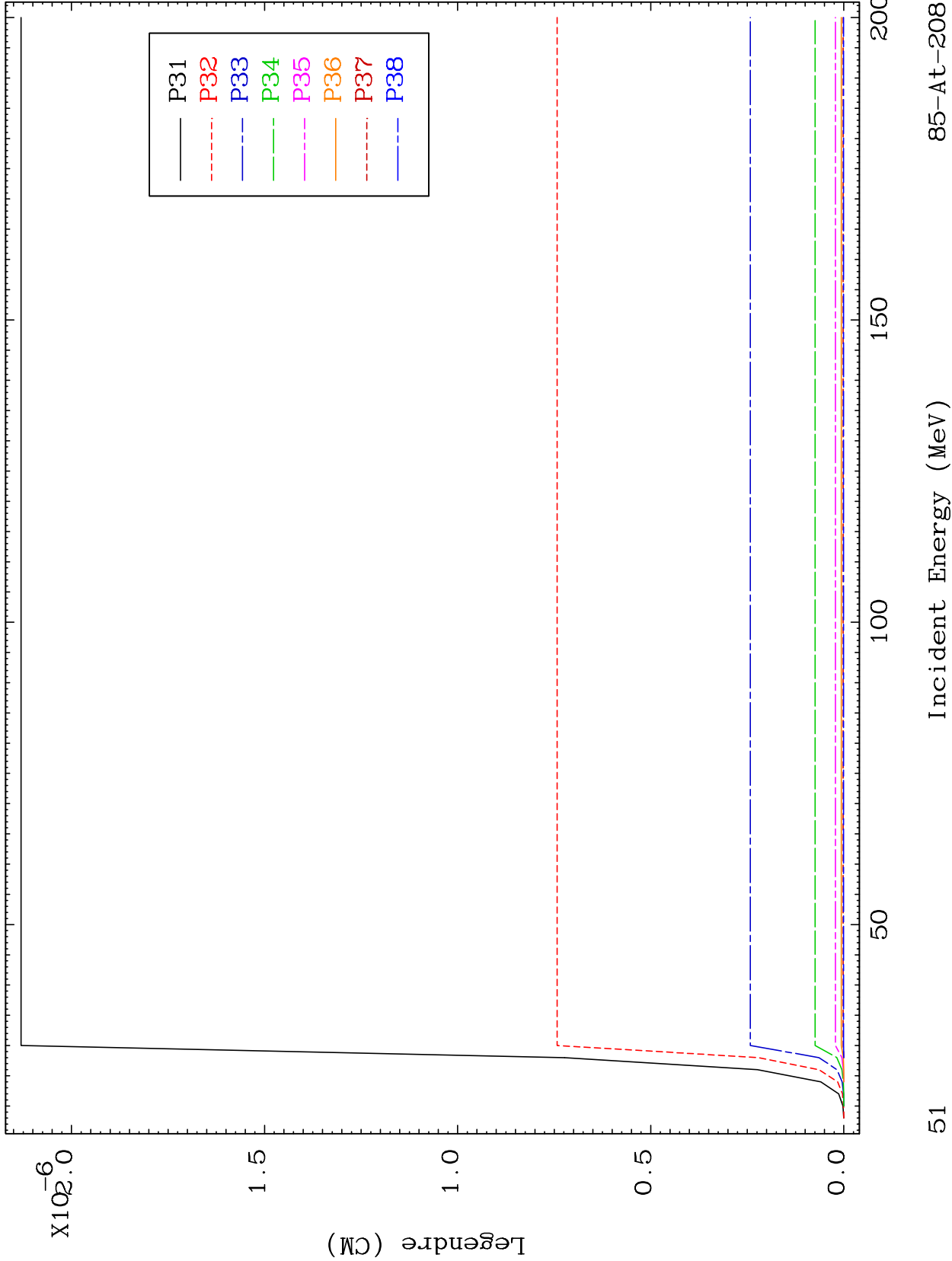
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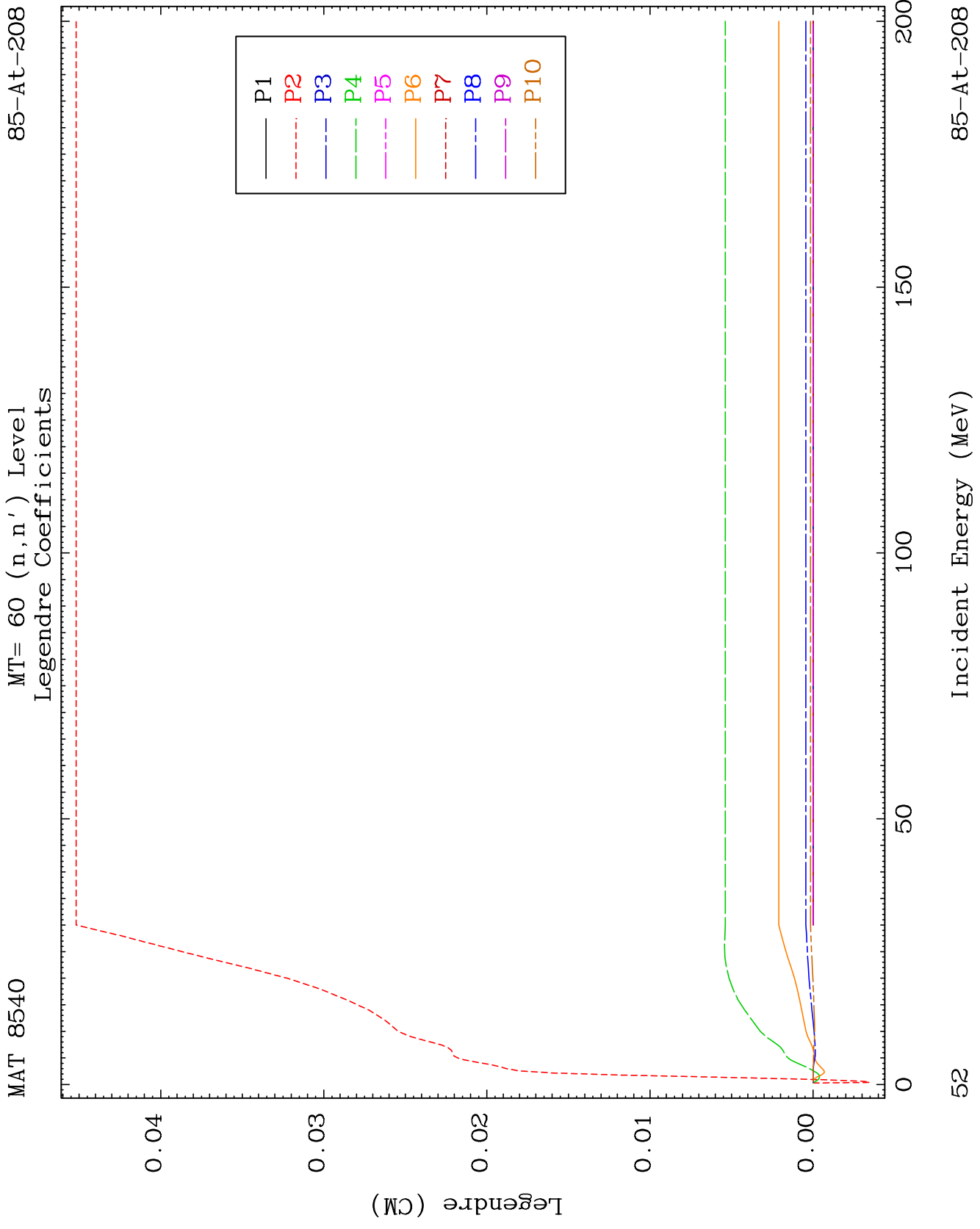
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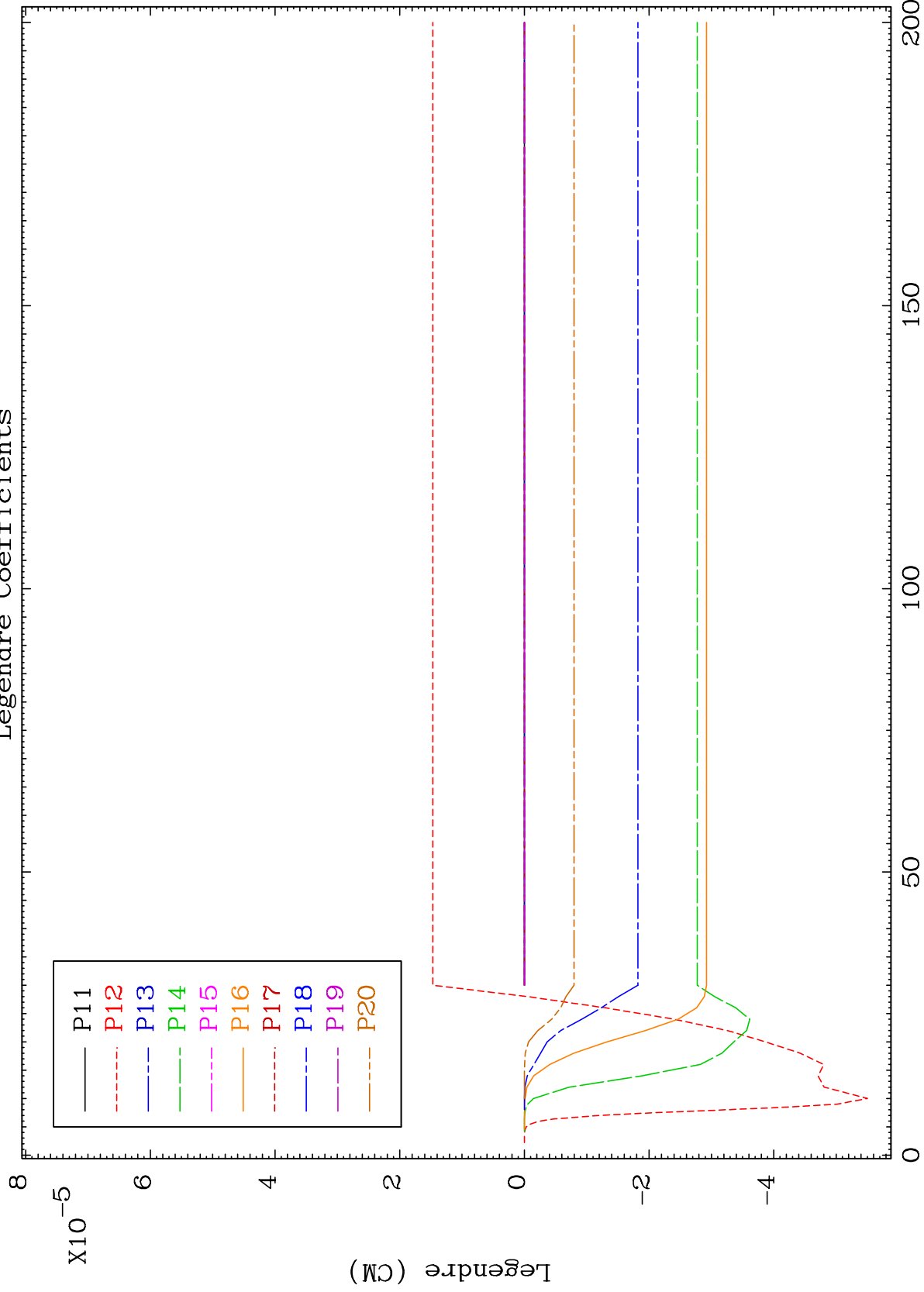
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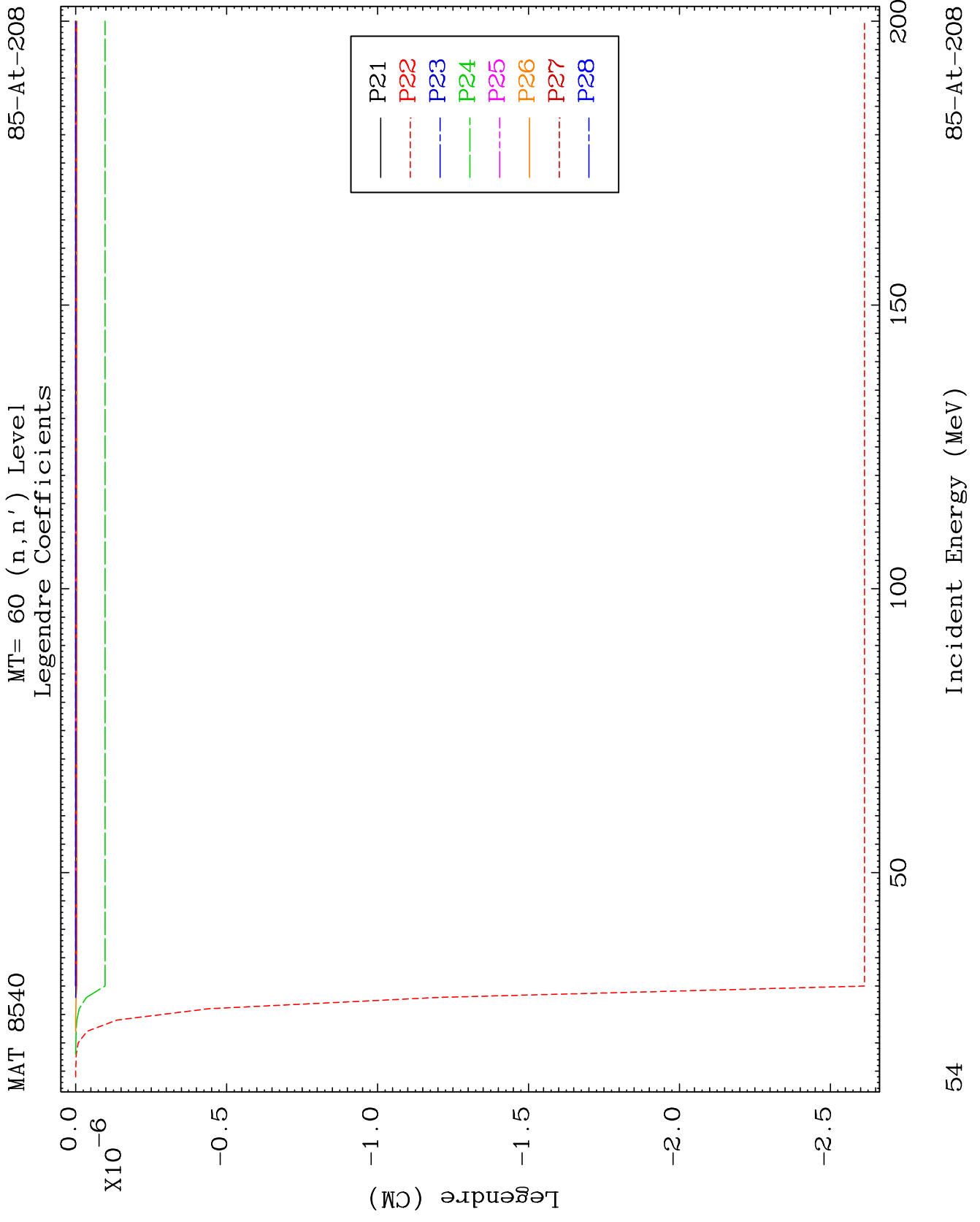
Incident Energy (MeV)

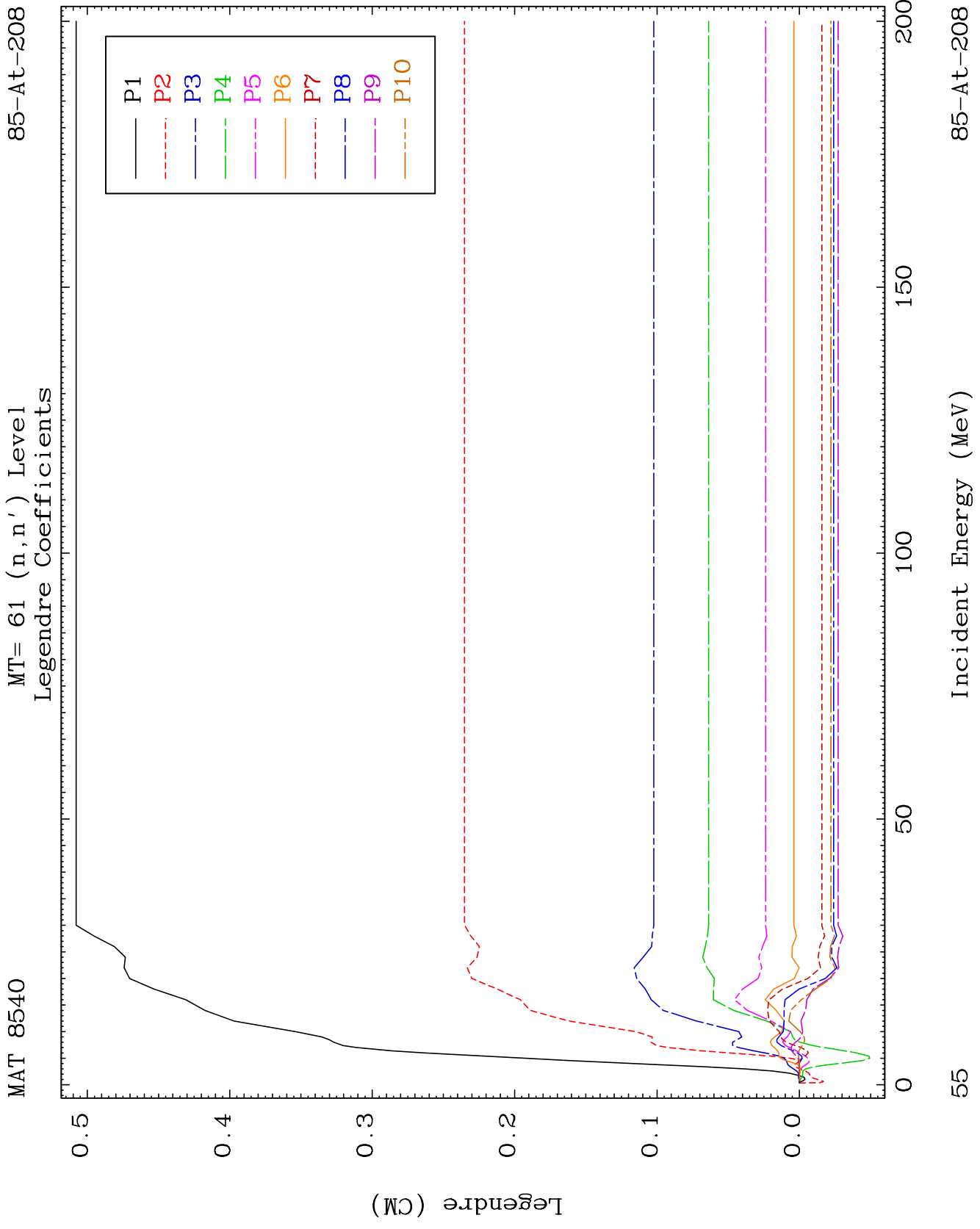
85-At-208







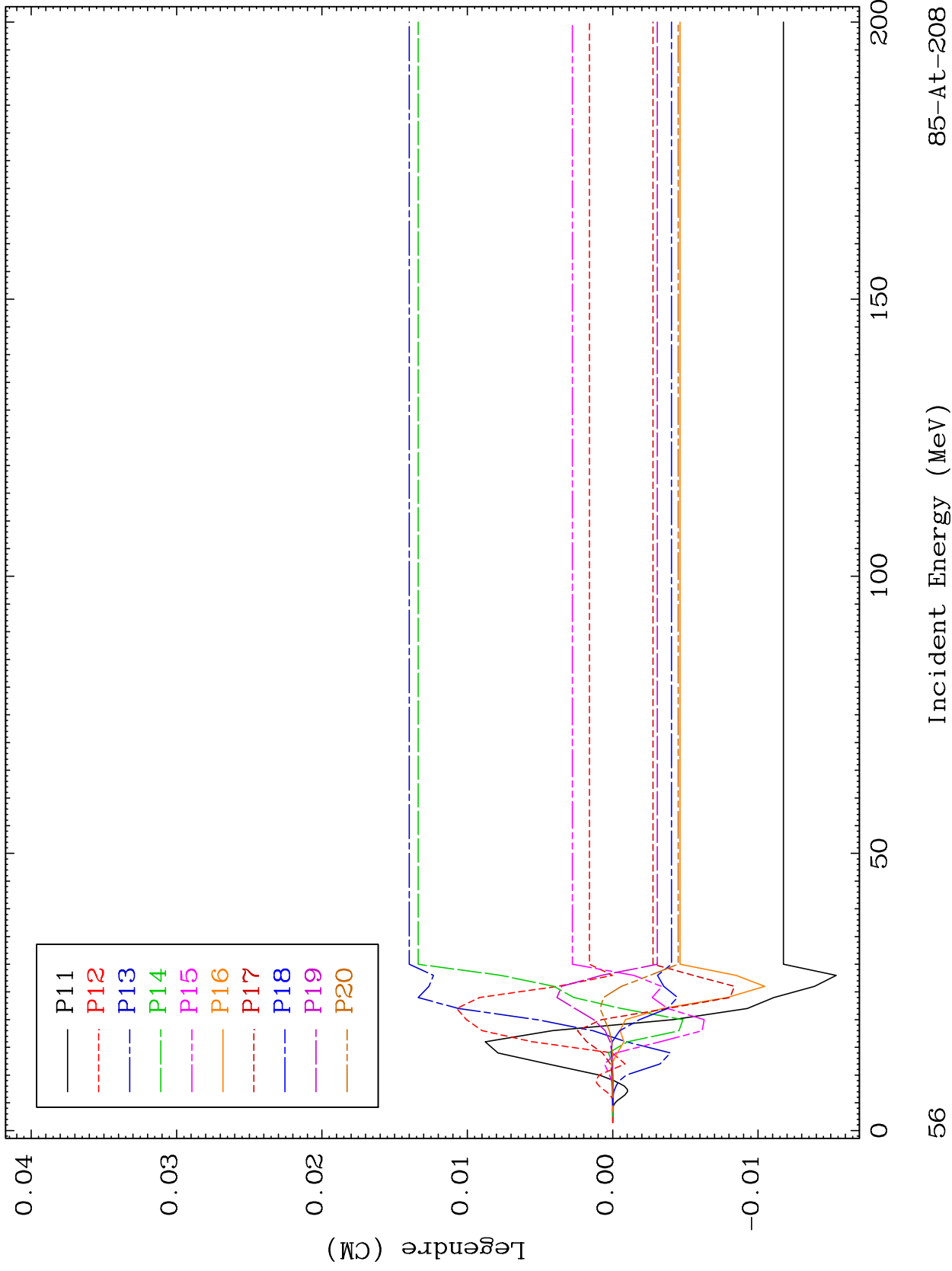




MAT 8540

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

85-At-208



56

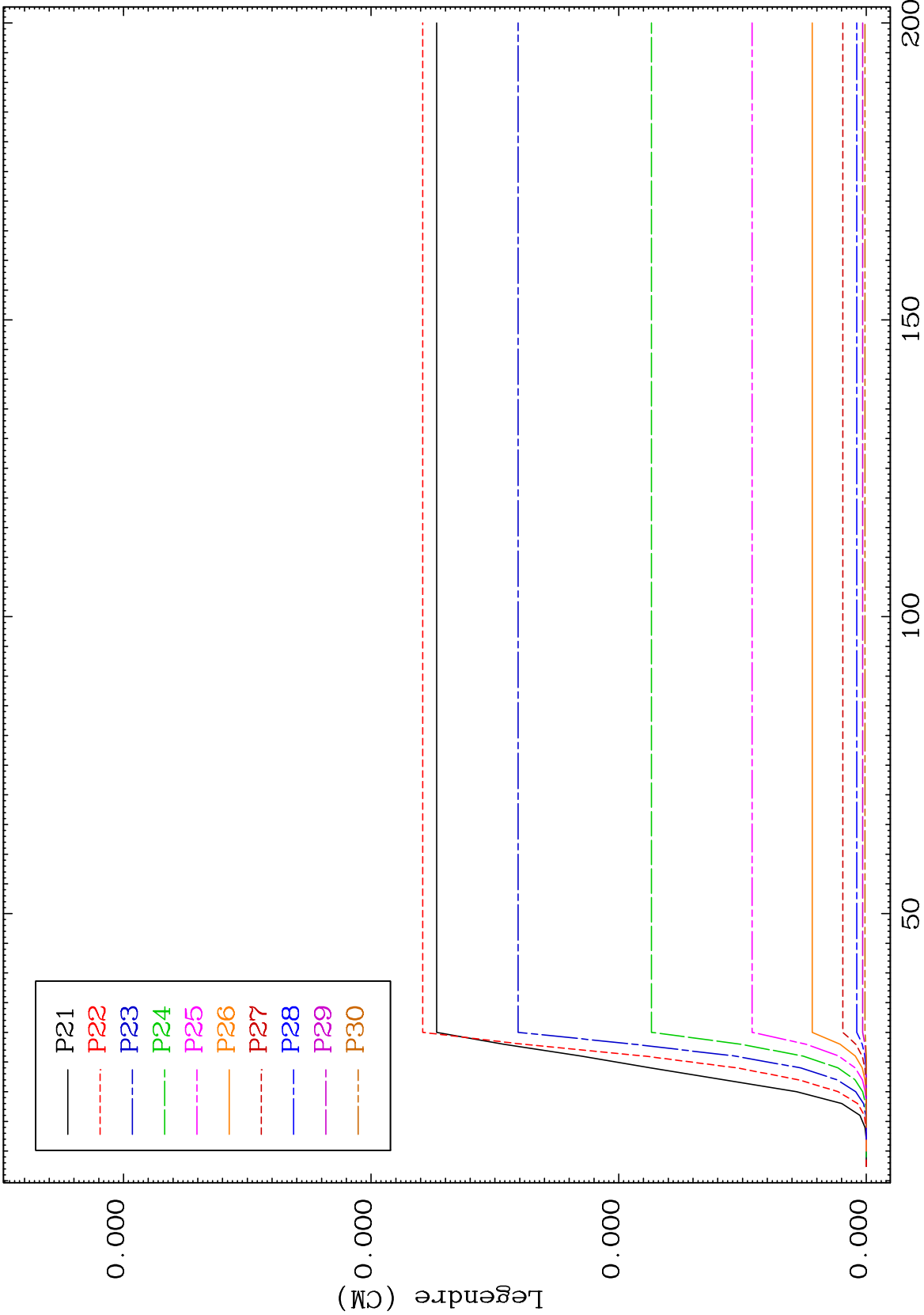
Incident Energy (MeV)

85-At-208

MAT 8540

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

85-At-208



57

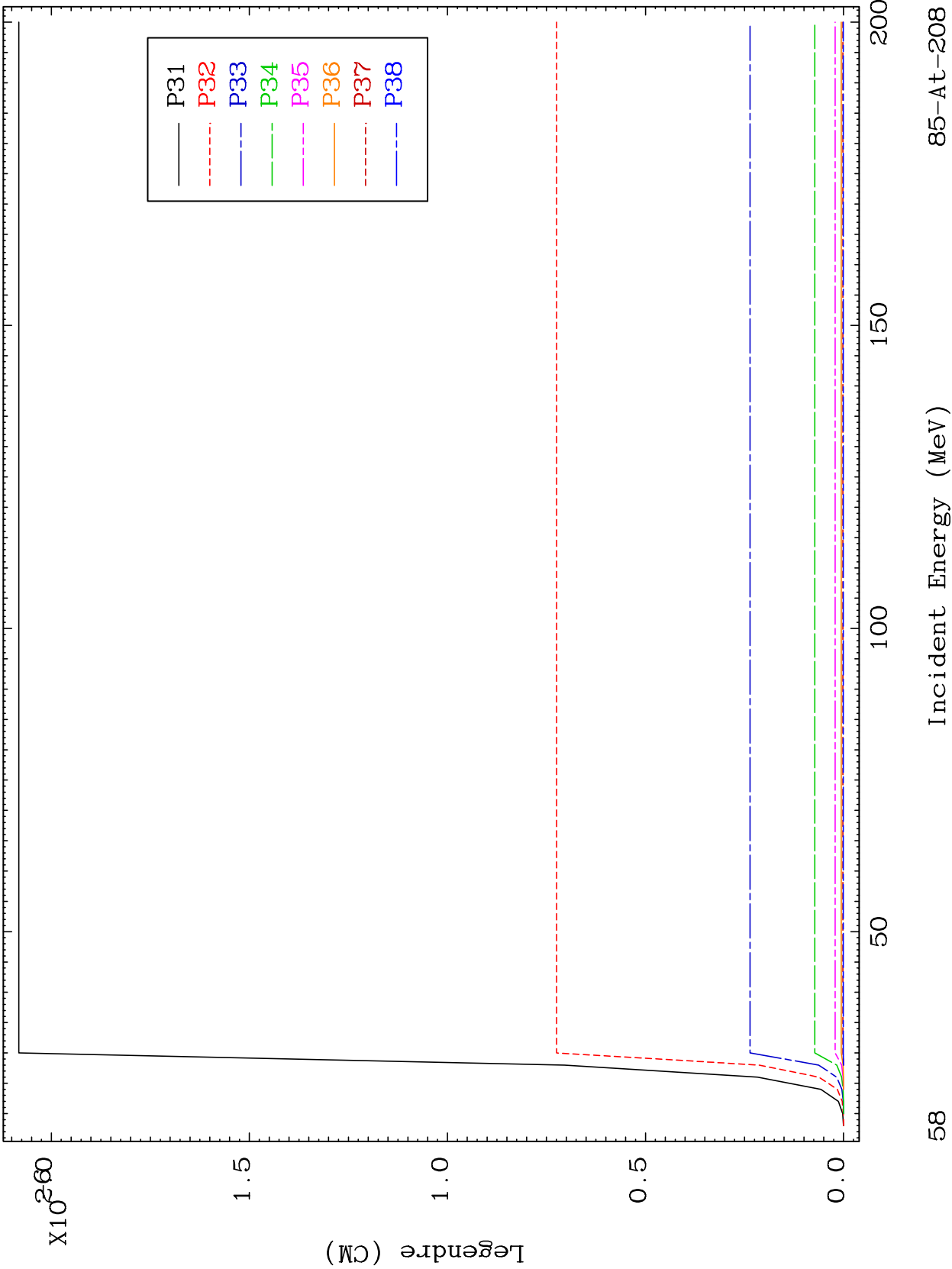
Incident Energy (MeV)

85-At-208

MAT 8540

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

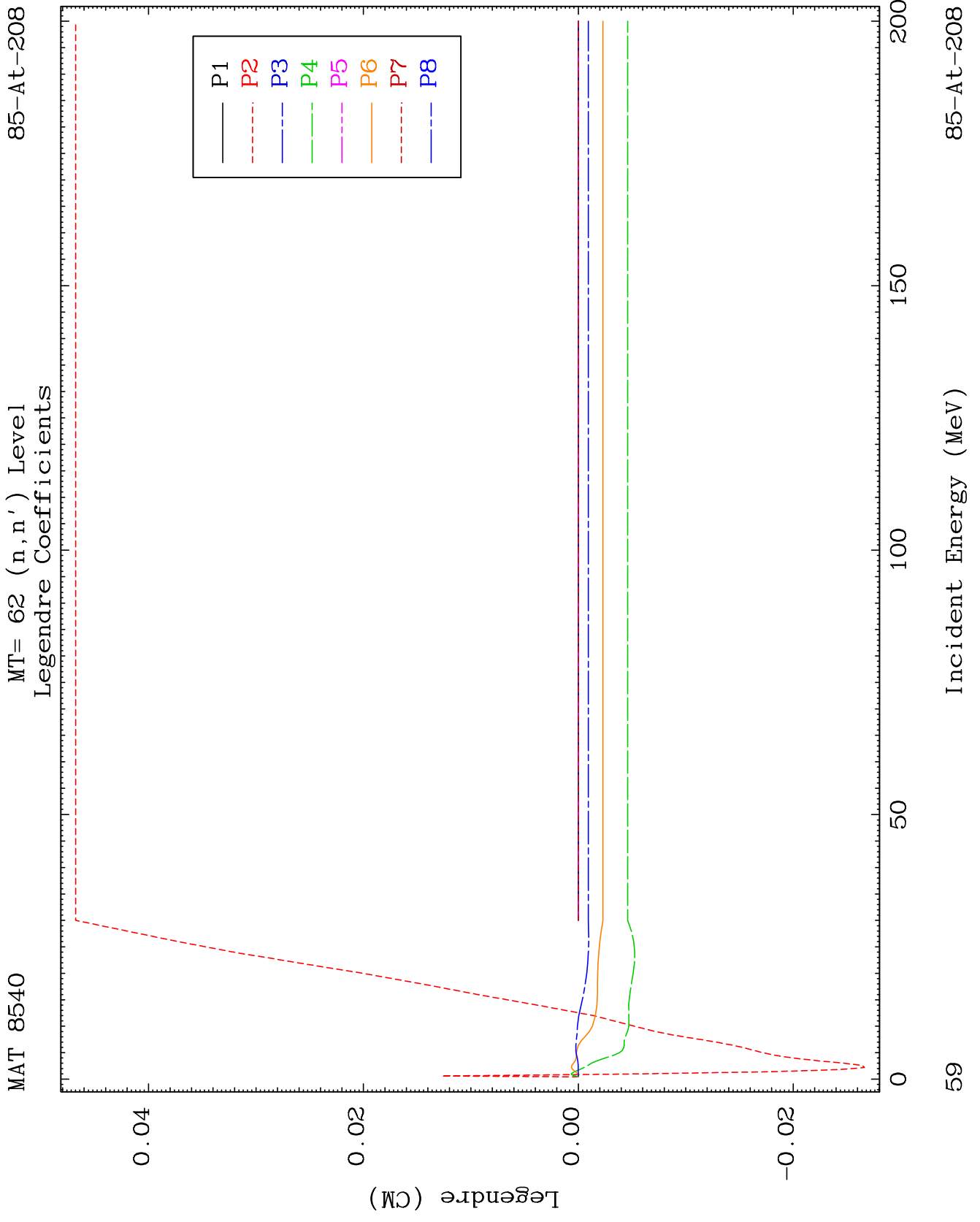
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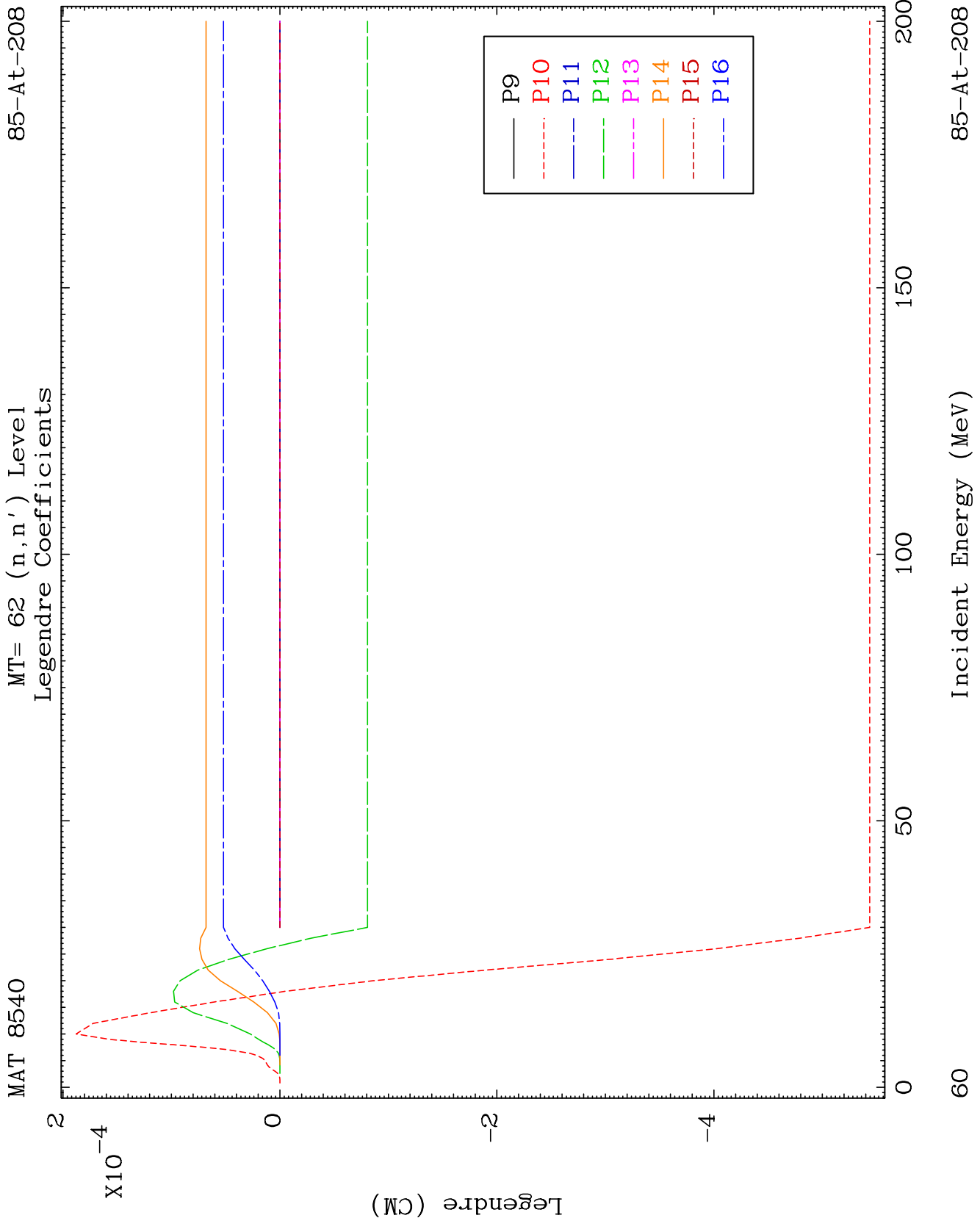


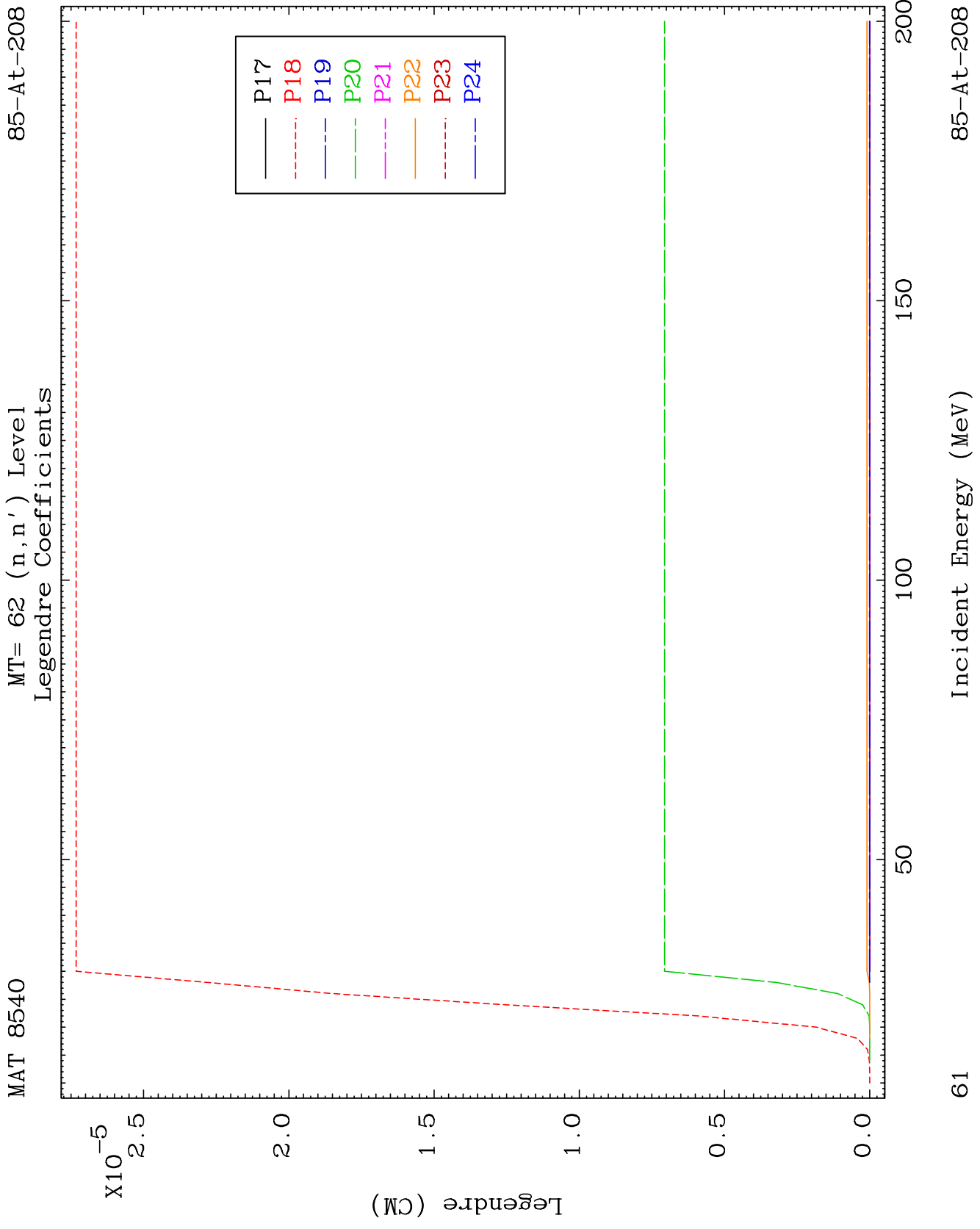
58

Incident Energy (MeV)

85-At-208



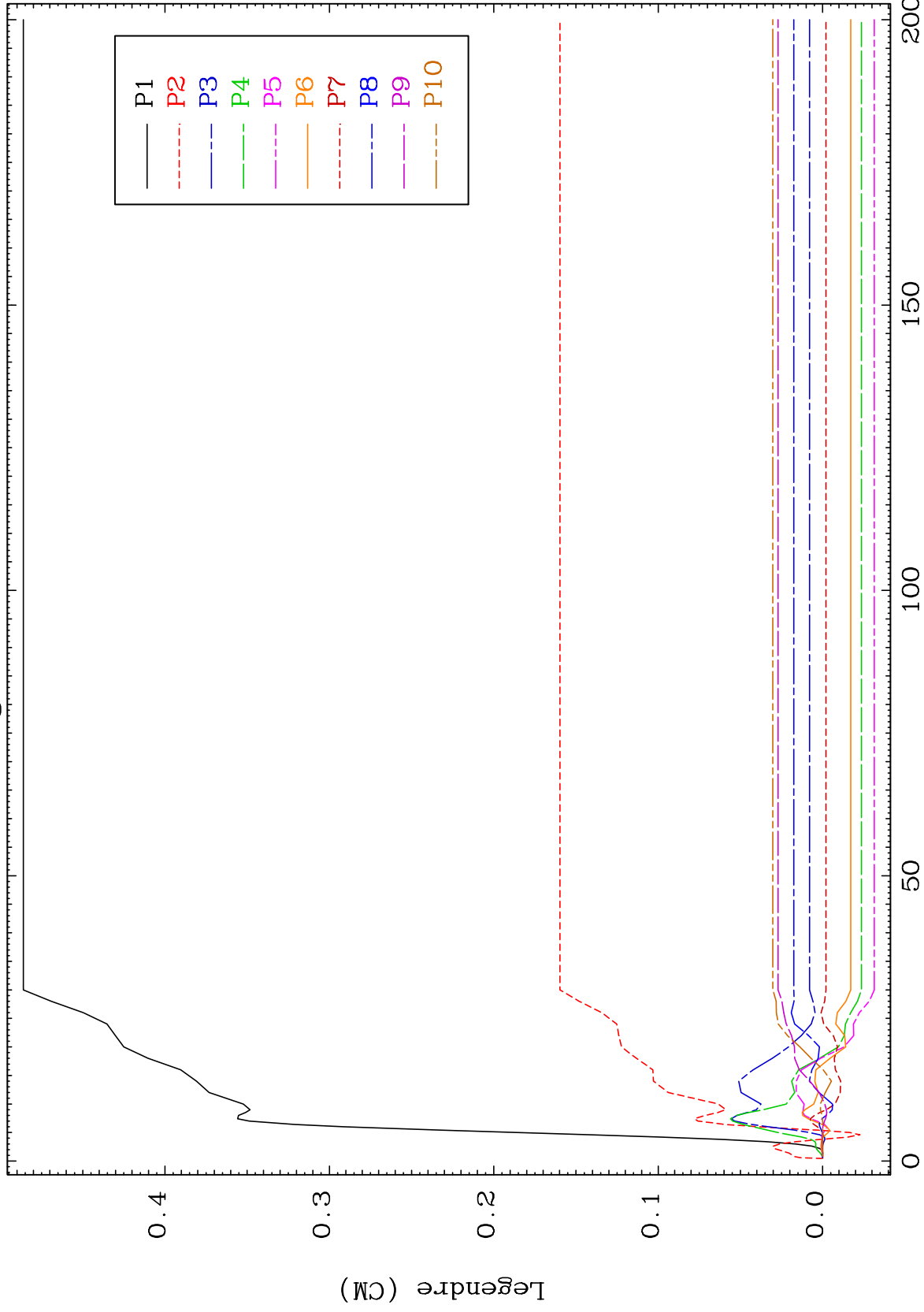




MAT 8540

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

85-At-208



85-At-208

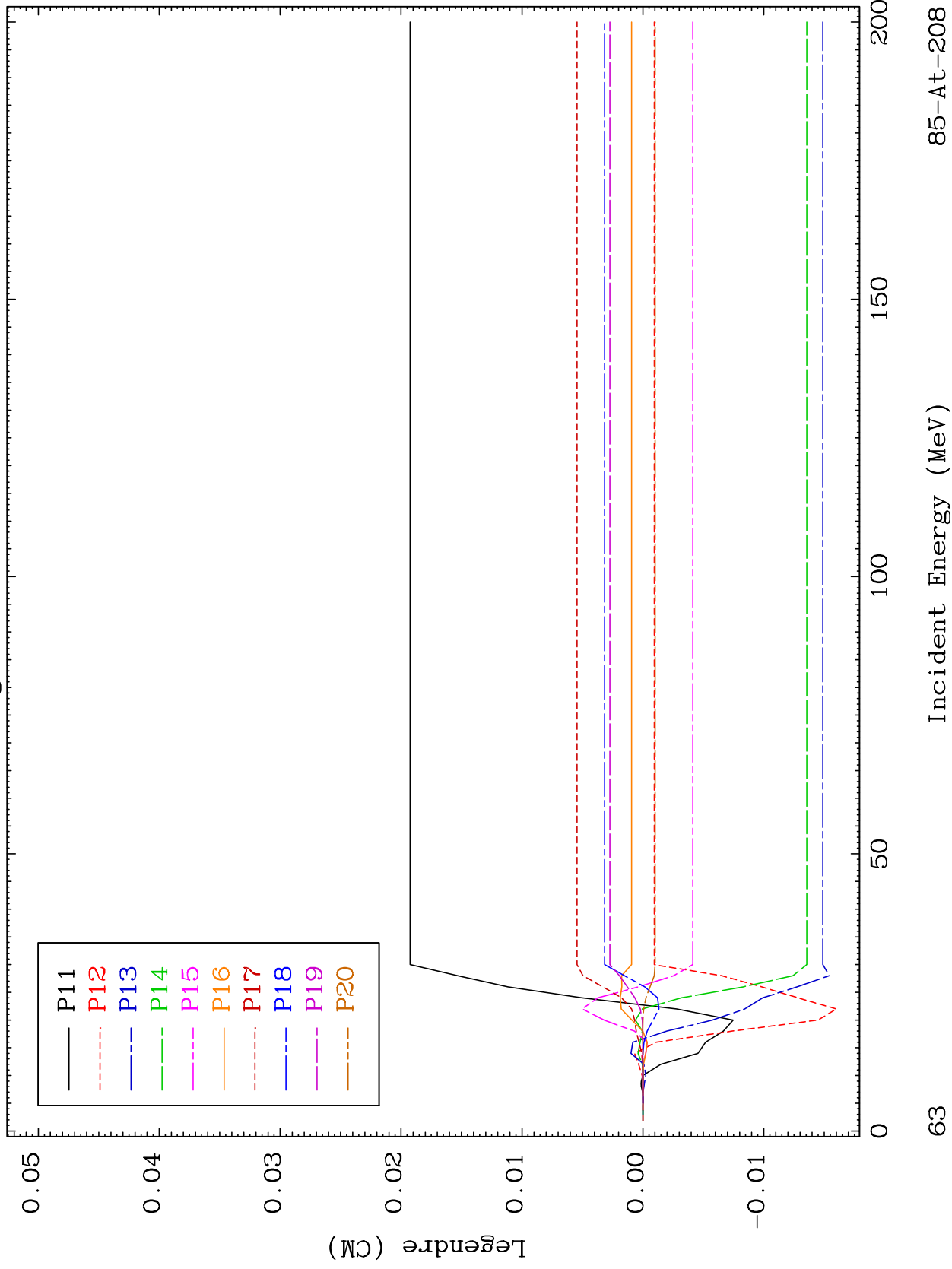
Incident Energy (MeV)

62

MAT 8540

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

85-At-208



85-At-208

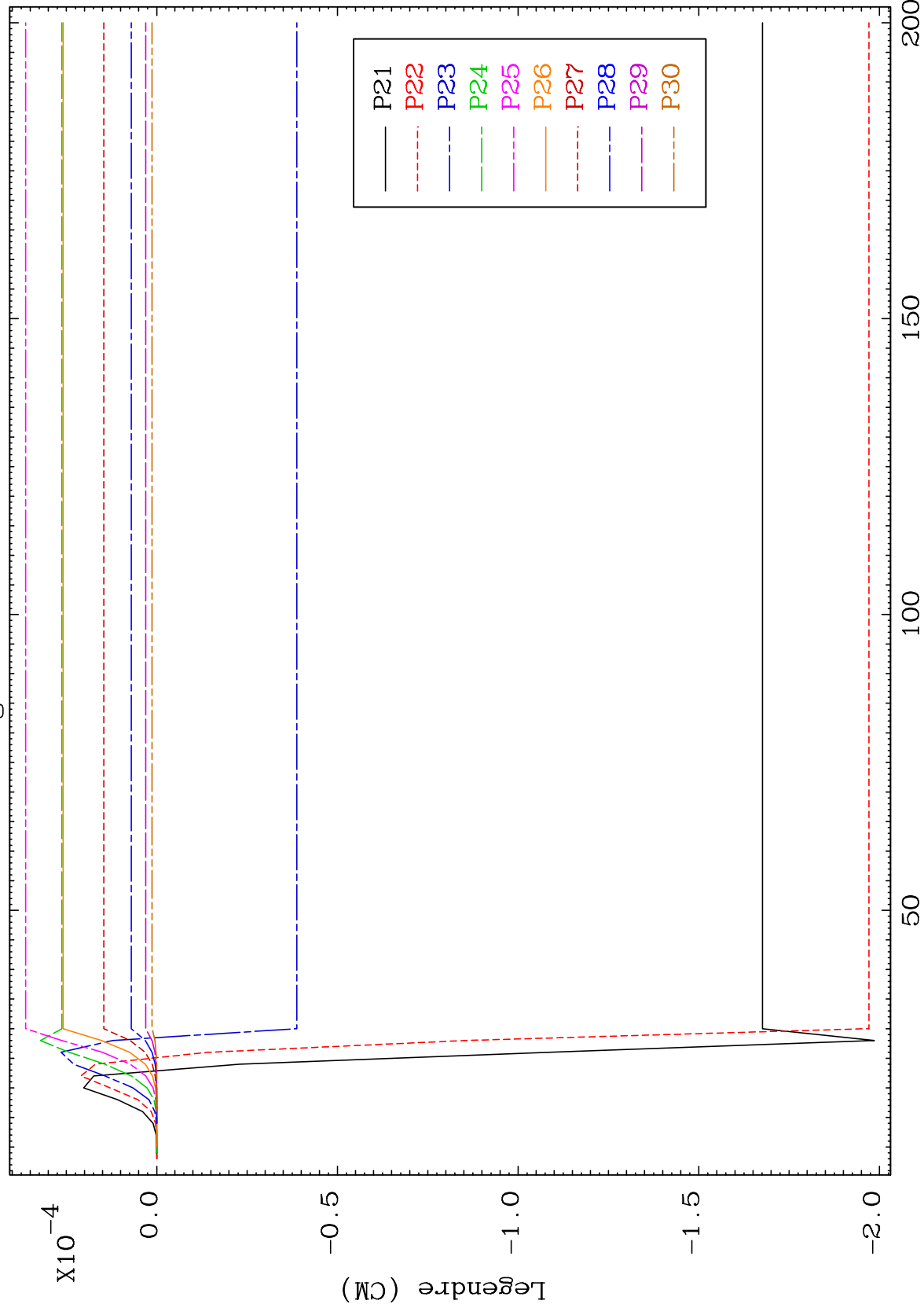
Incident Energy (MeV)

63

MAT 8540

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

85-At-208



64

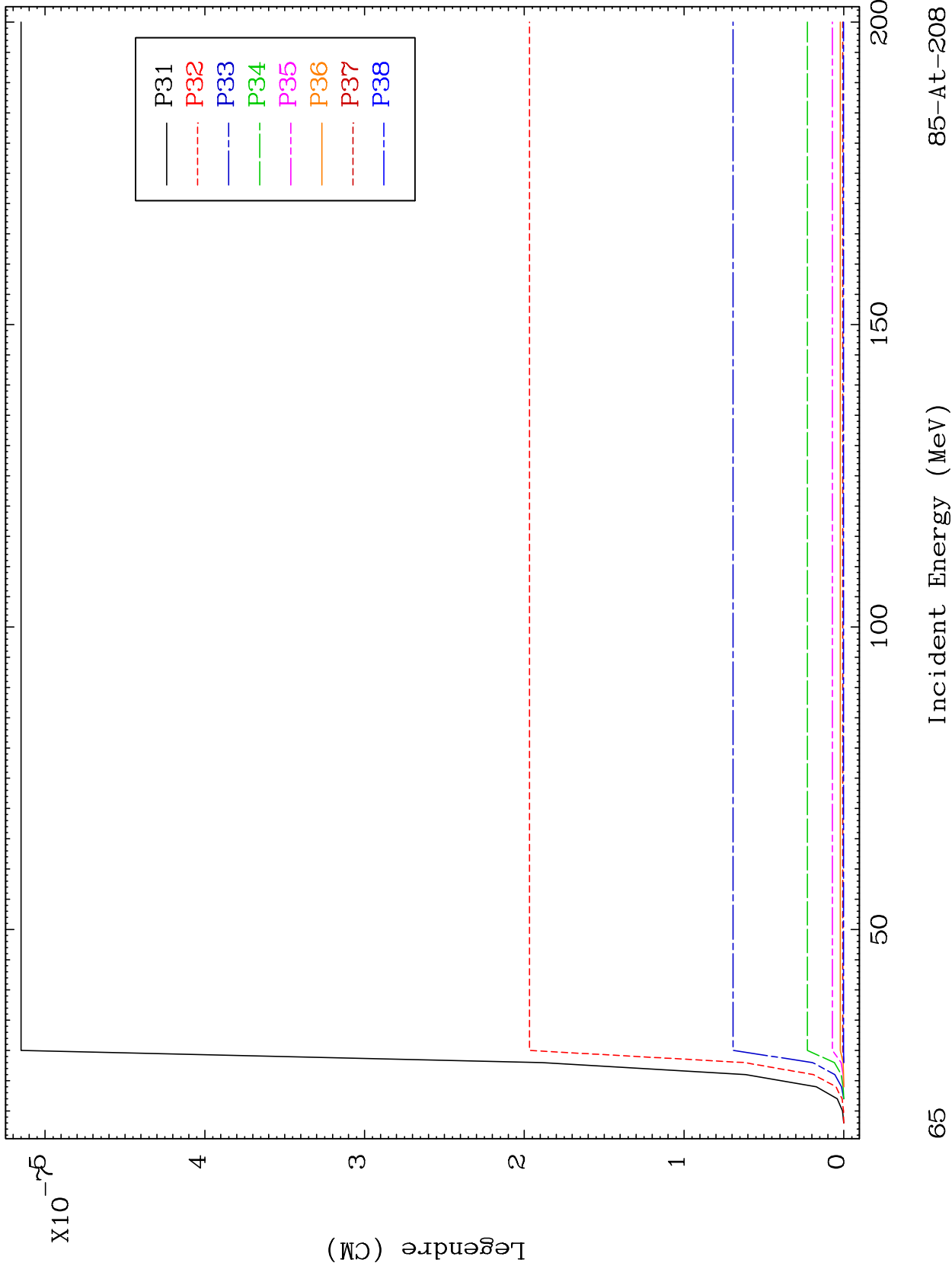
Incident Energy (MeV)

85-At-208

MAT 8540

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

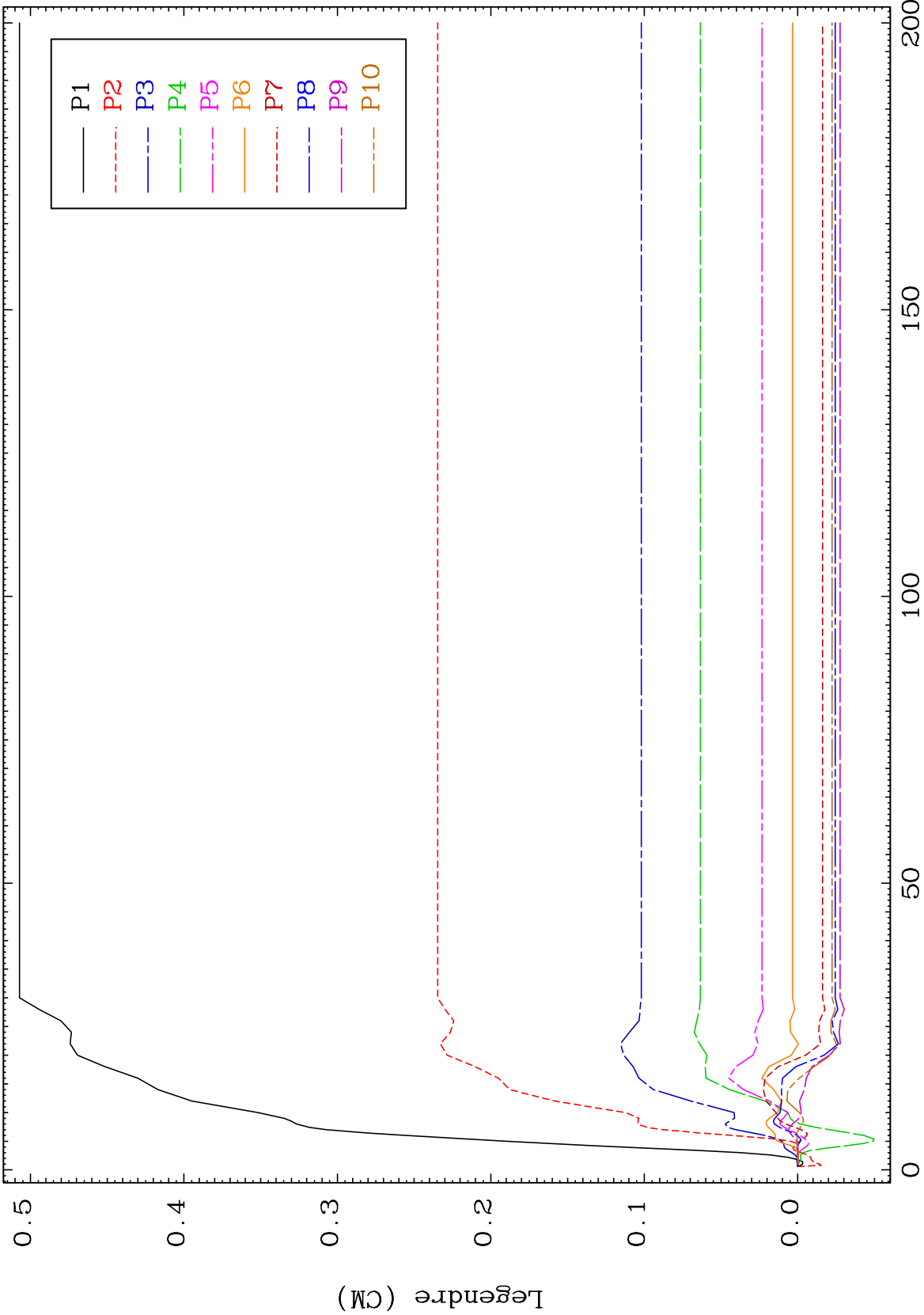
85-At-208



65

Incident Energy (MeV)

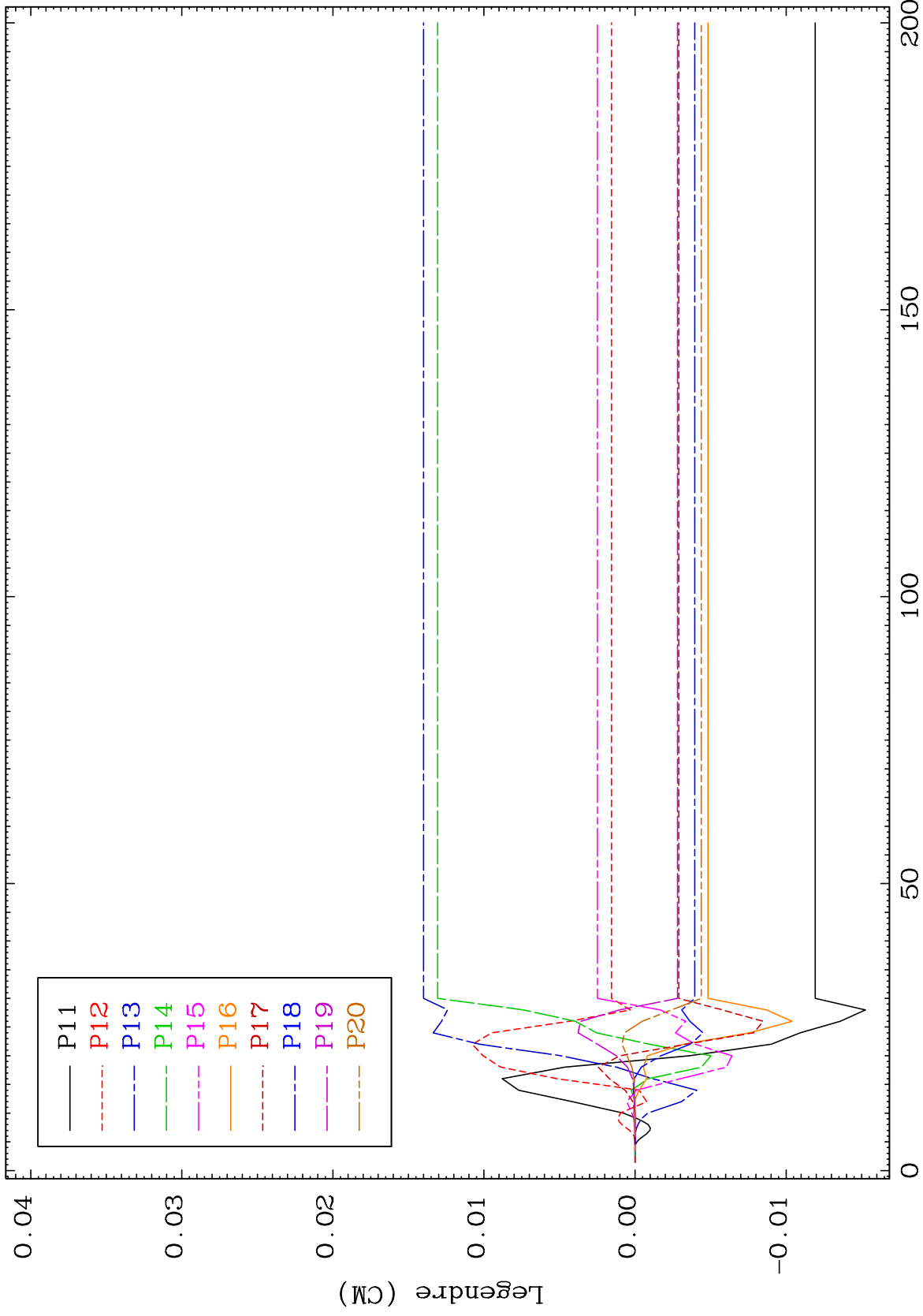
85-At-208



MAT 8540

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

85-At-208



67

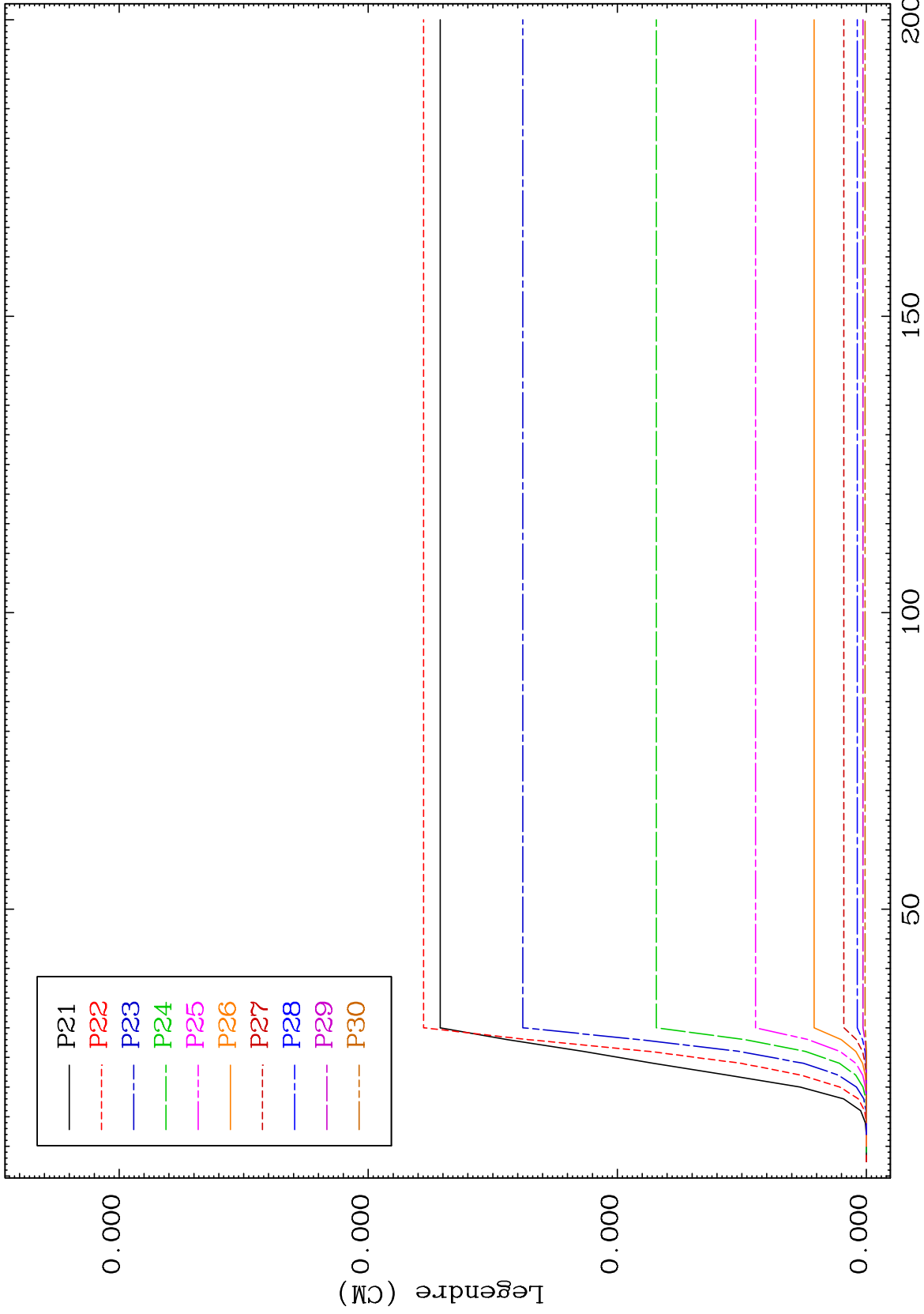
Incident Energy (MeV)

85-At-208

MAT 8540

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

85-At-208



68

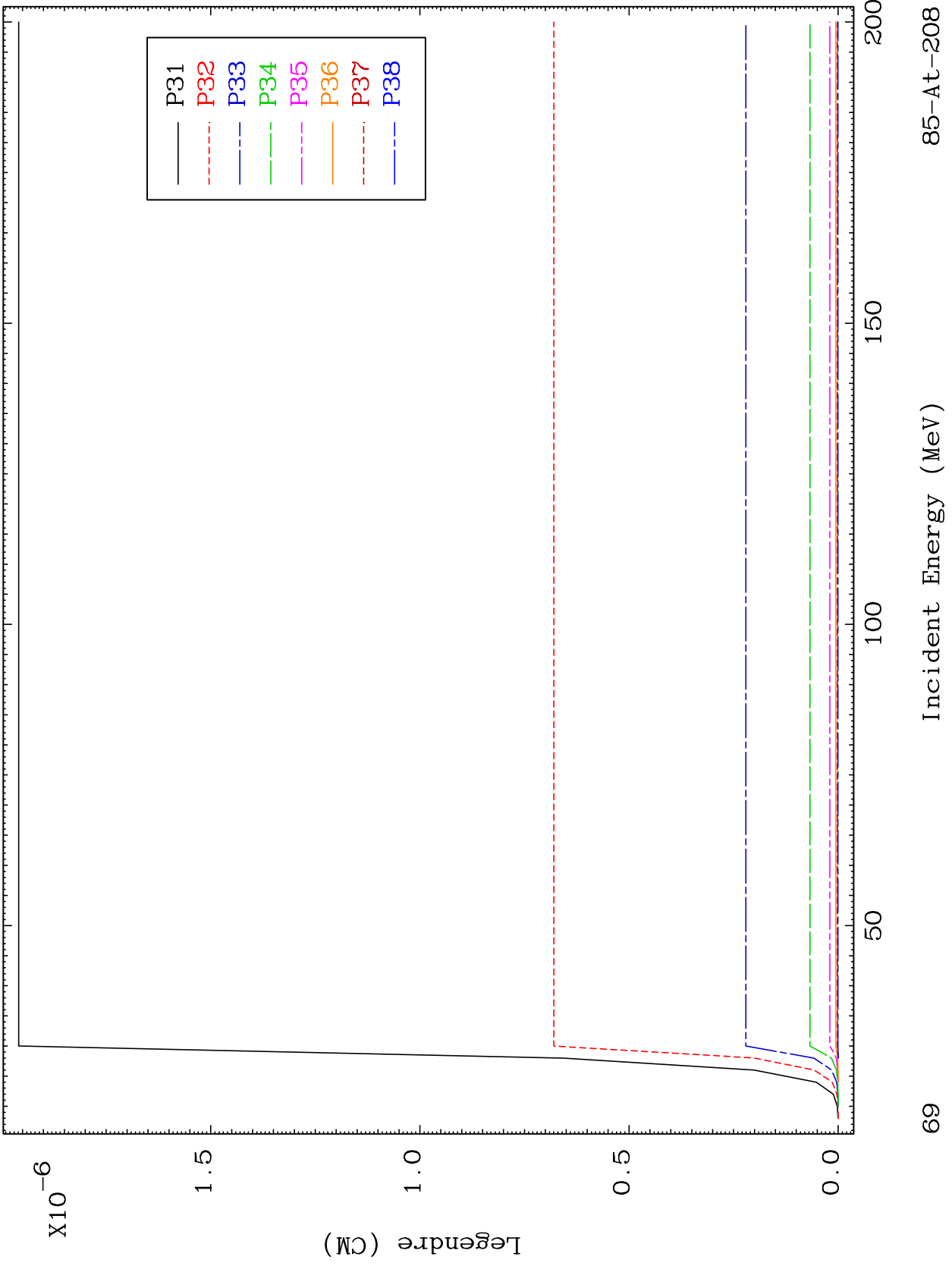
Incident Energy (MeV)

85-At-208

MAT 8540

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

85-At-208



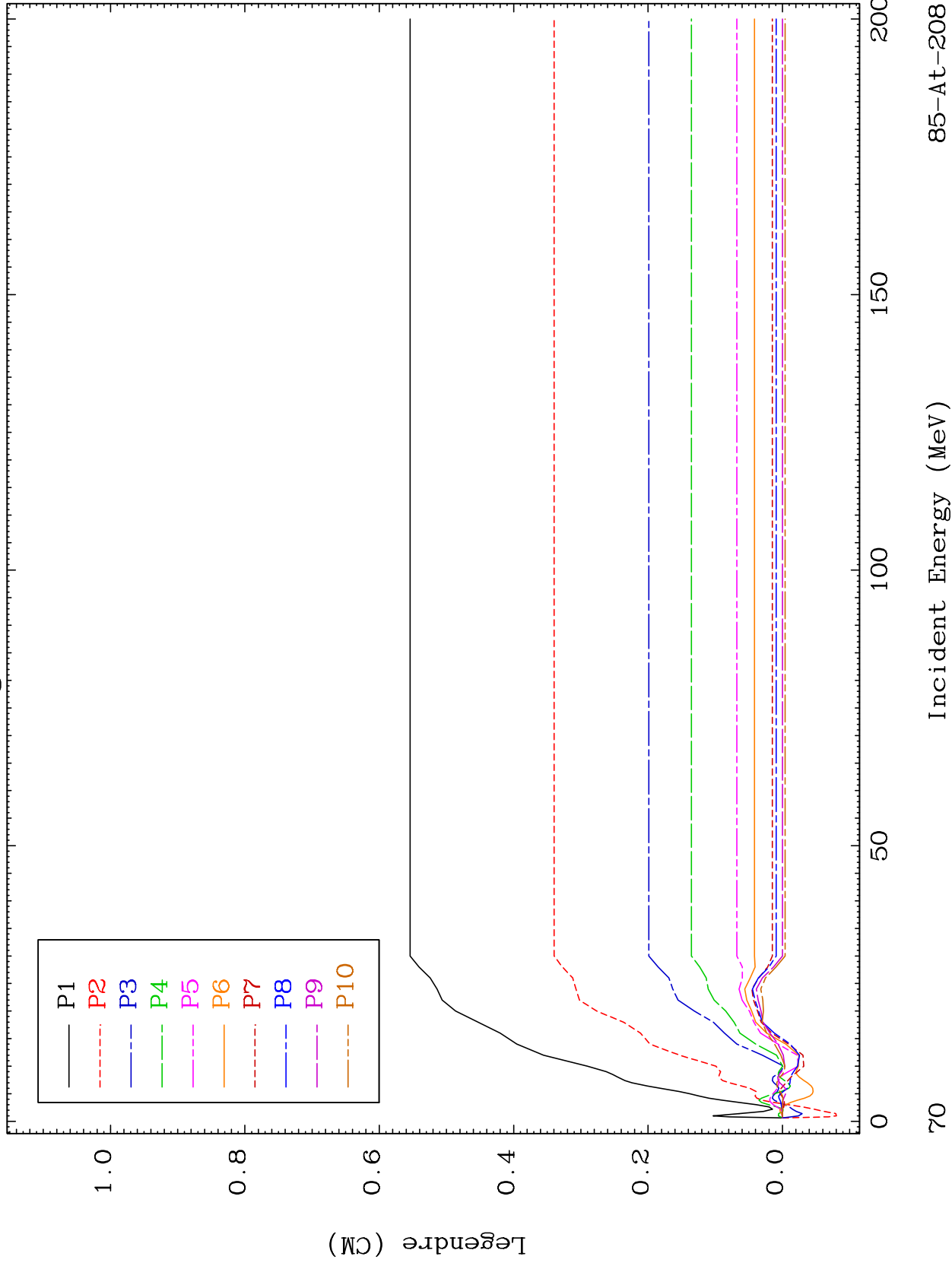
69

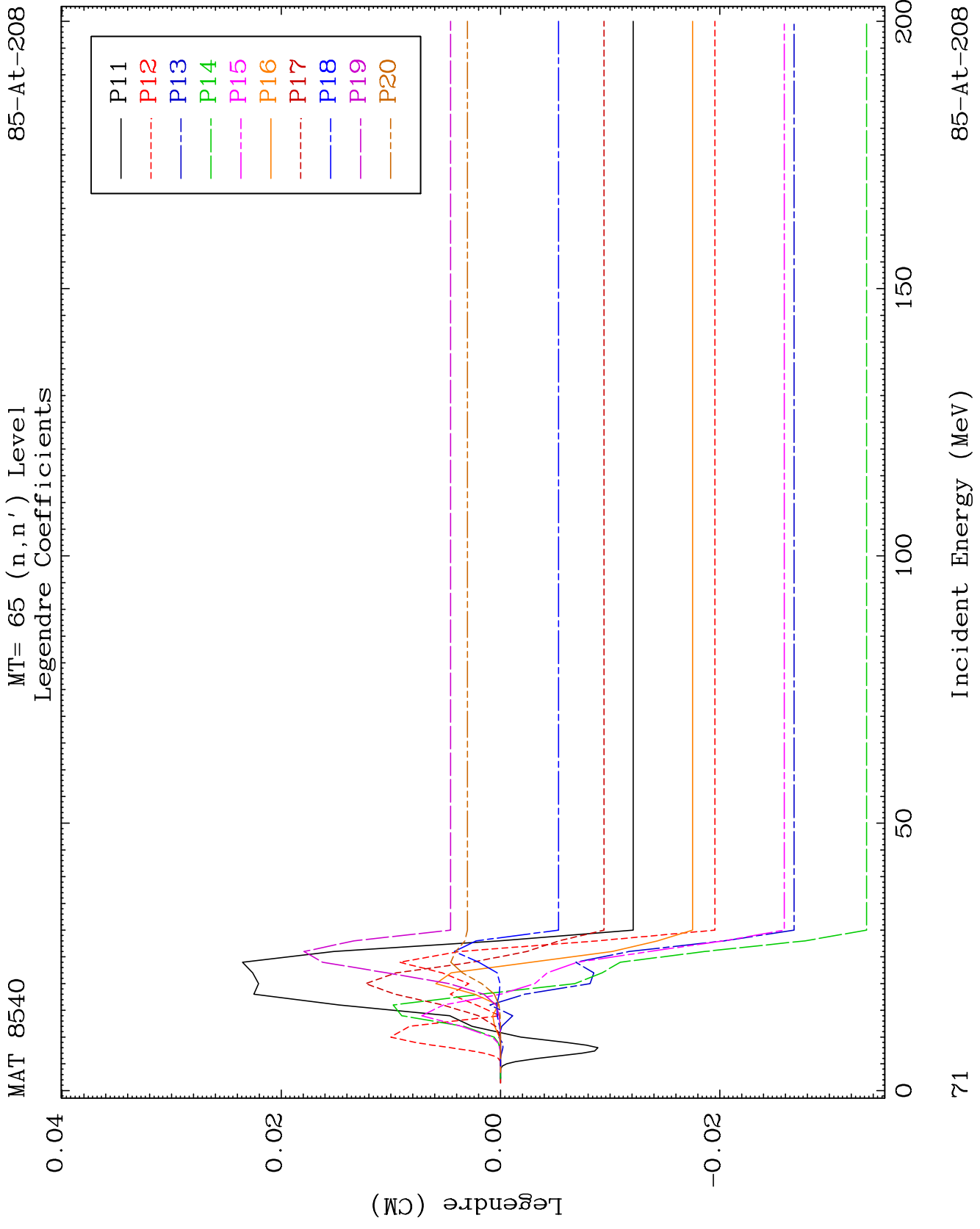
85-At-208

MAT 8540

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

85-At-208

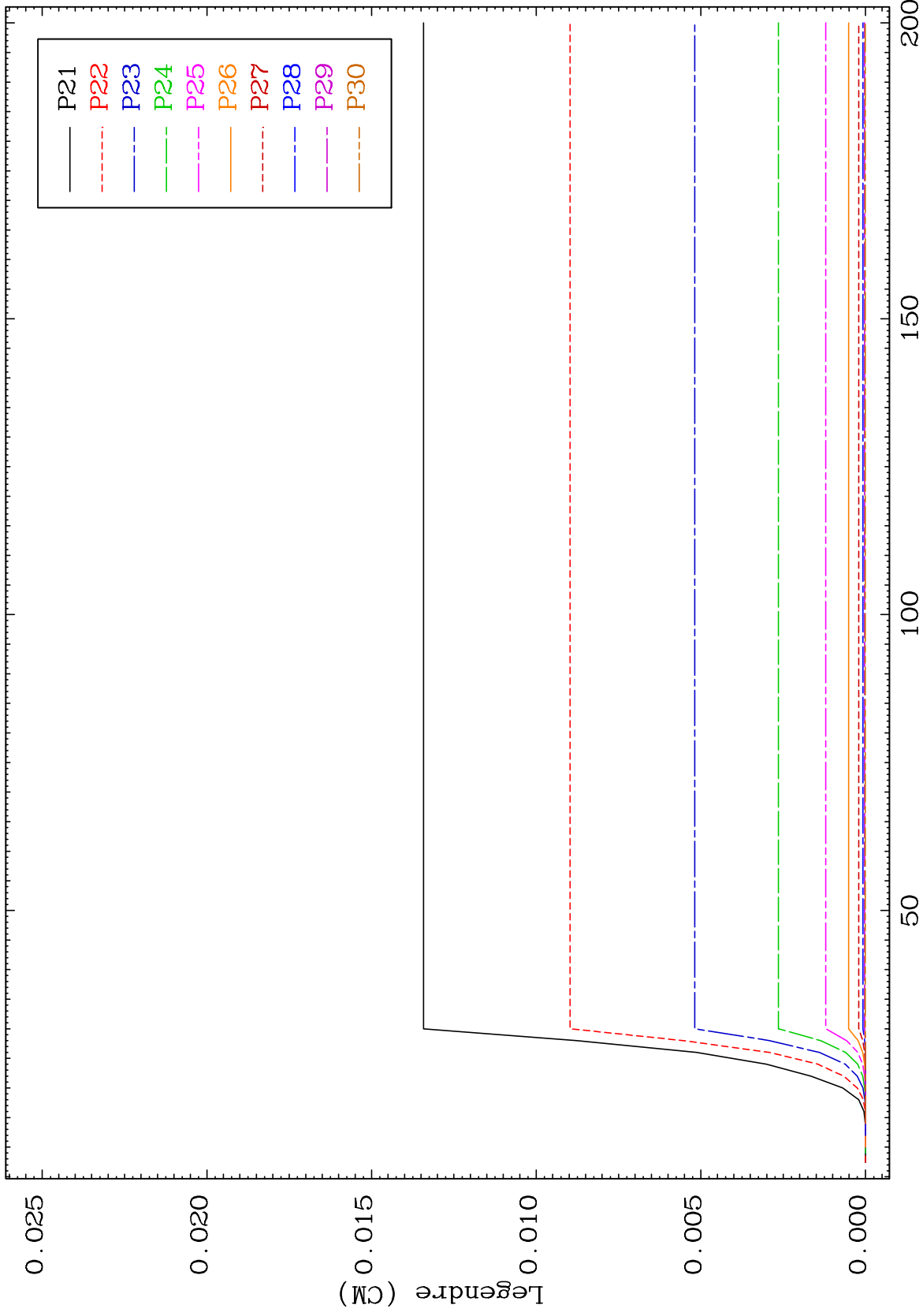




MAT 8540

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

85-At-208



72

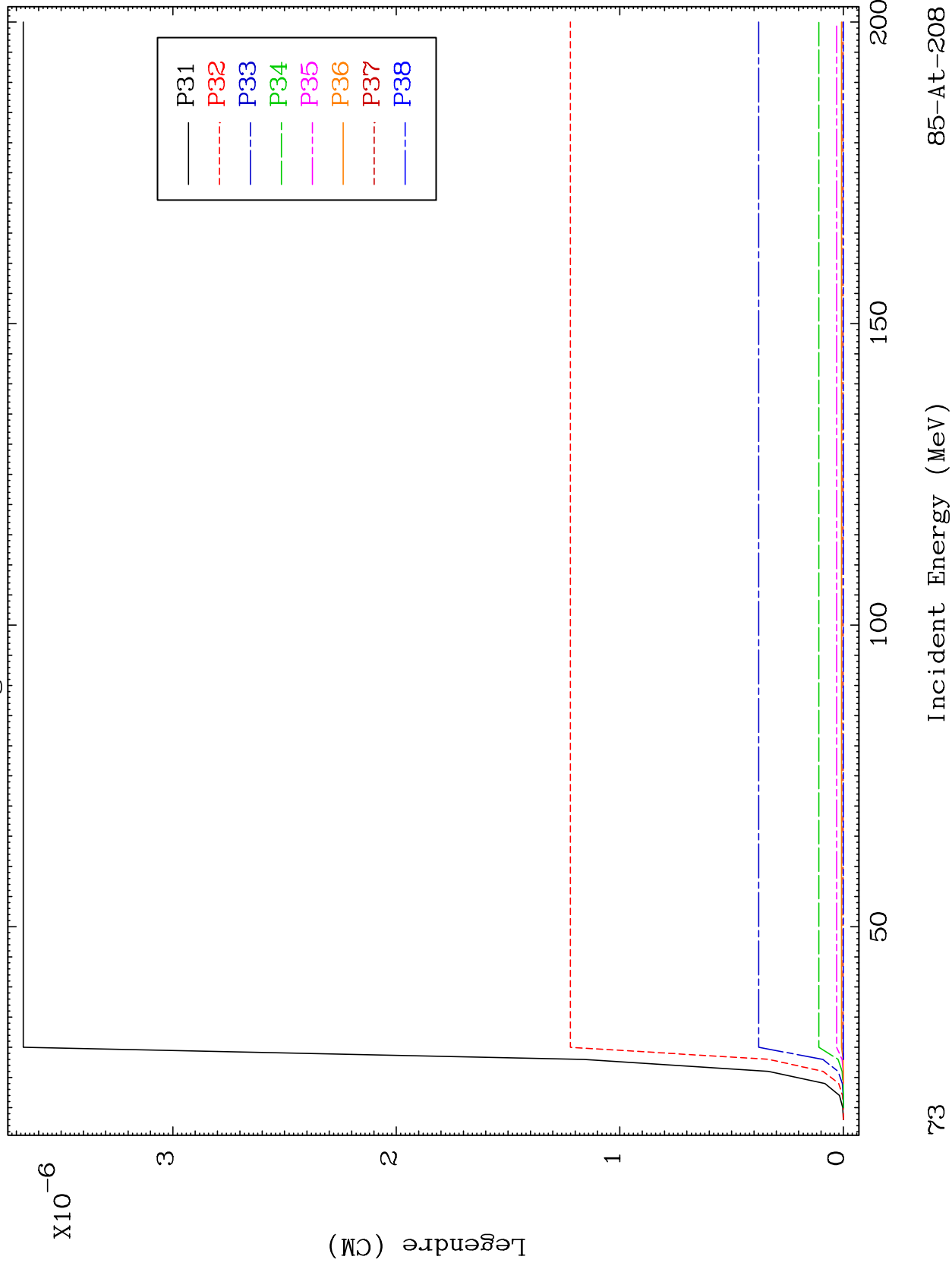
Incident Energy (MeV)

85-At-208

MAT 8540

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

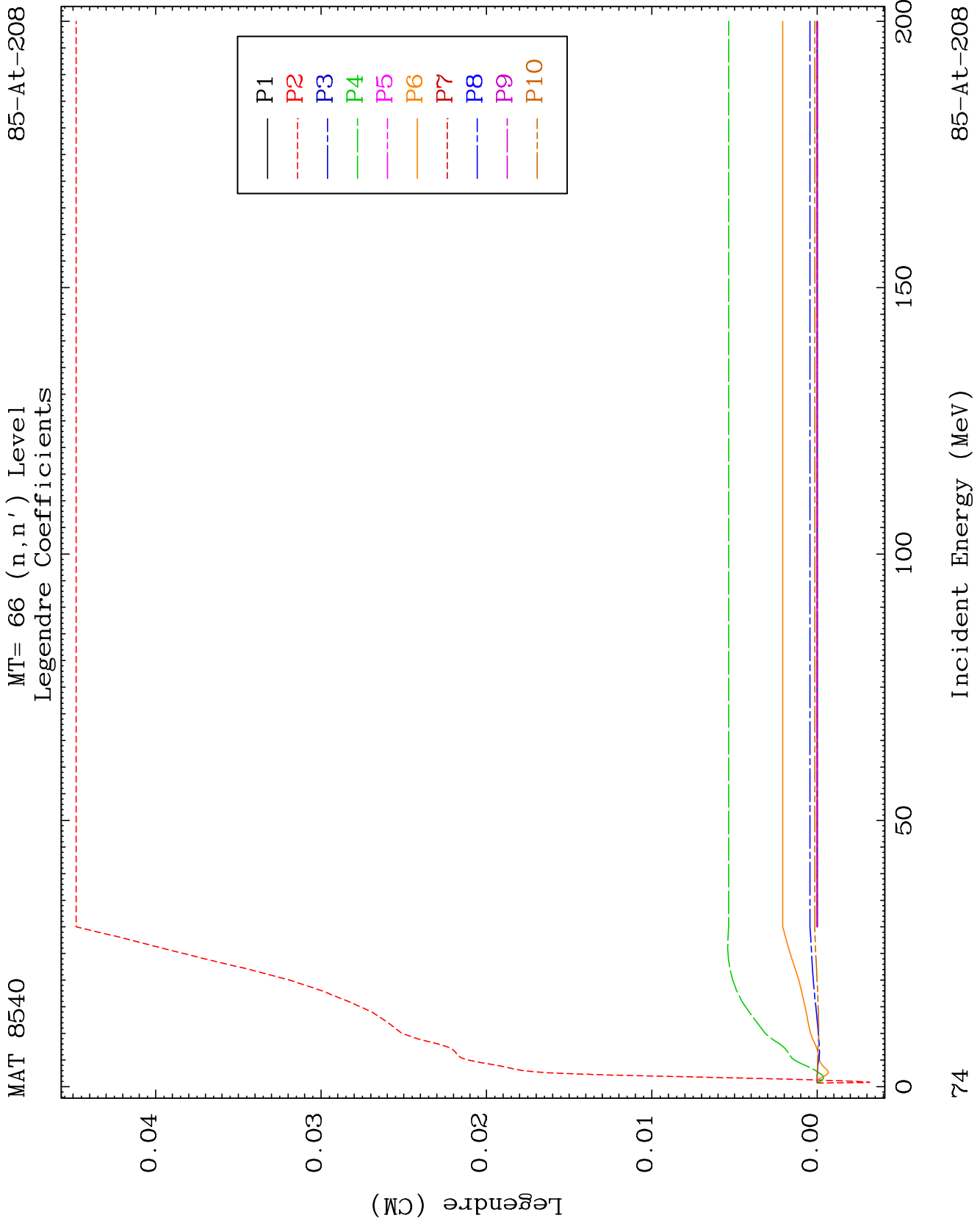
85-At-208



73

Incident Energy (MeV)

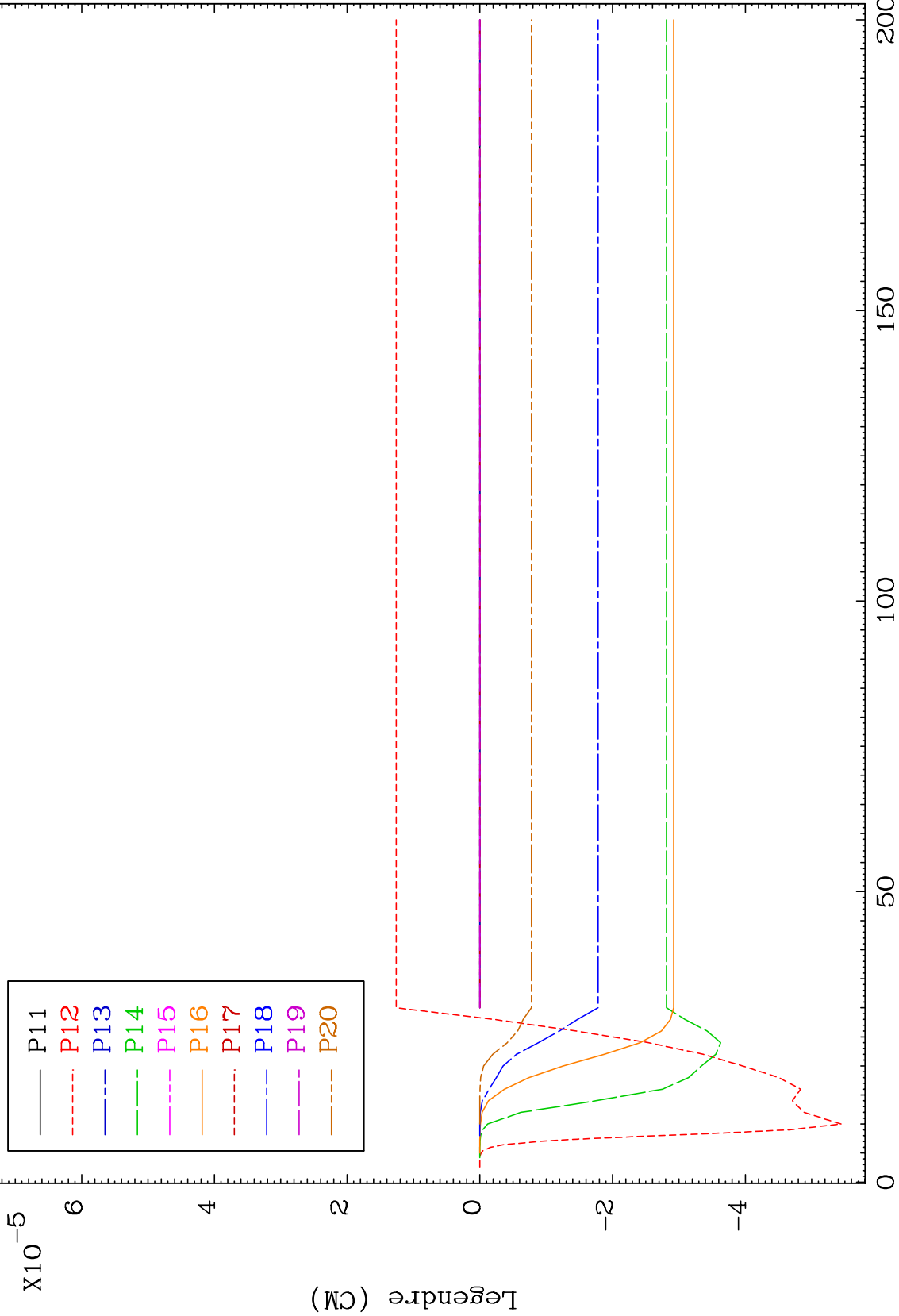
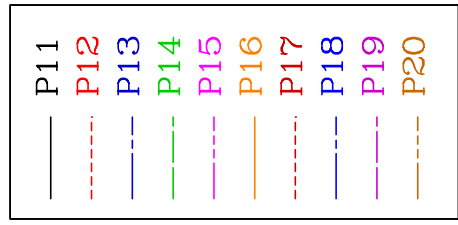
85-At-208



MAT 8540

MT= 66 (n,n') Level
Legendre Coefficients

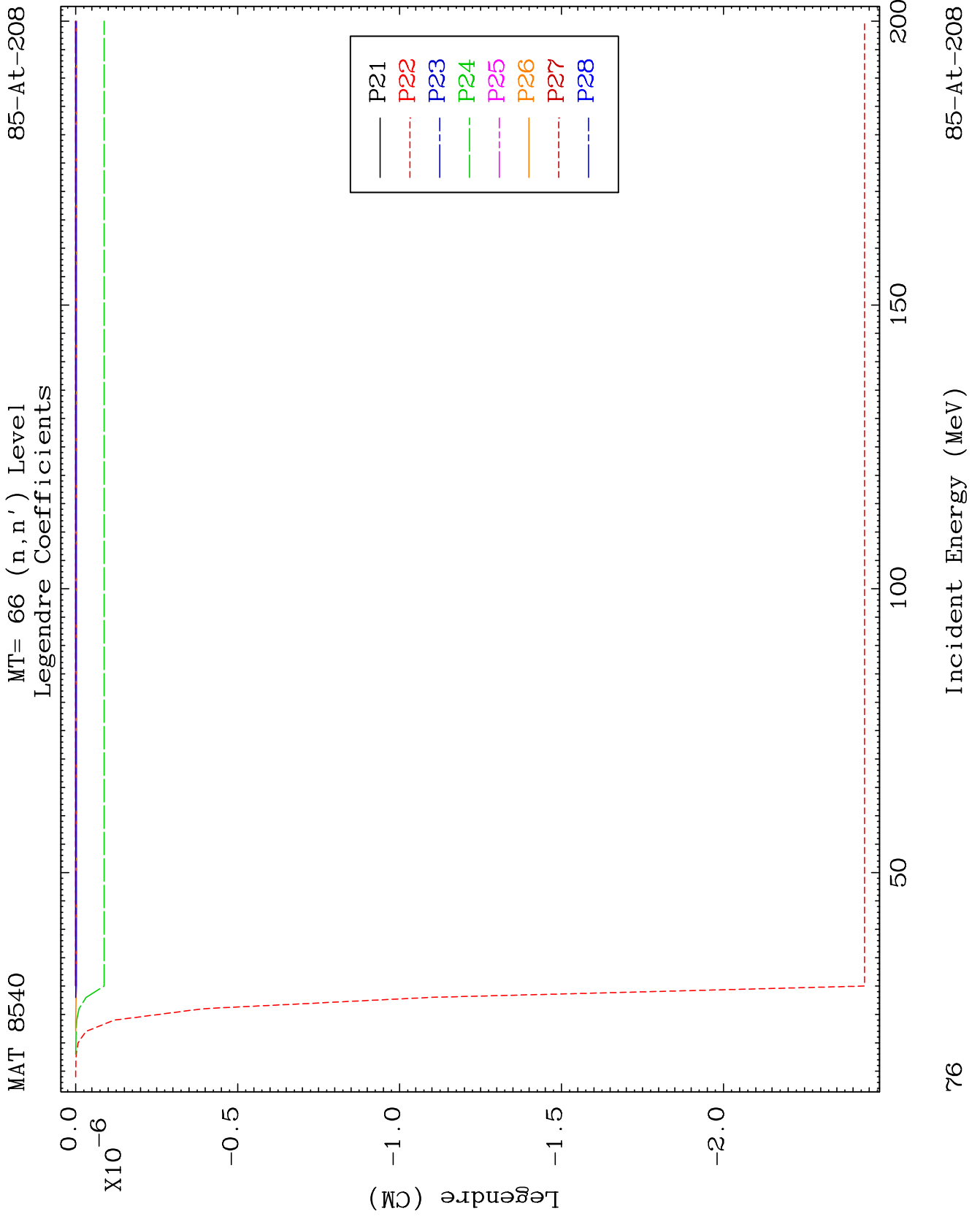
85-At-208



75

Incident Energy (MeV)

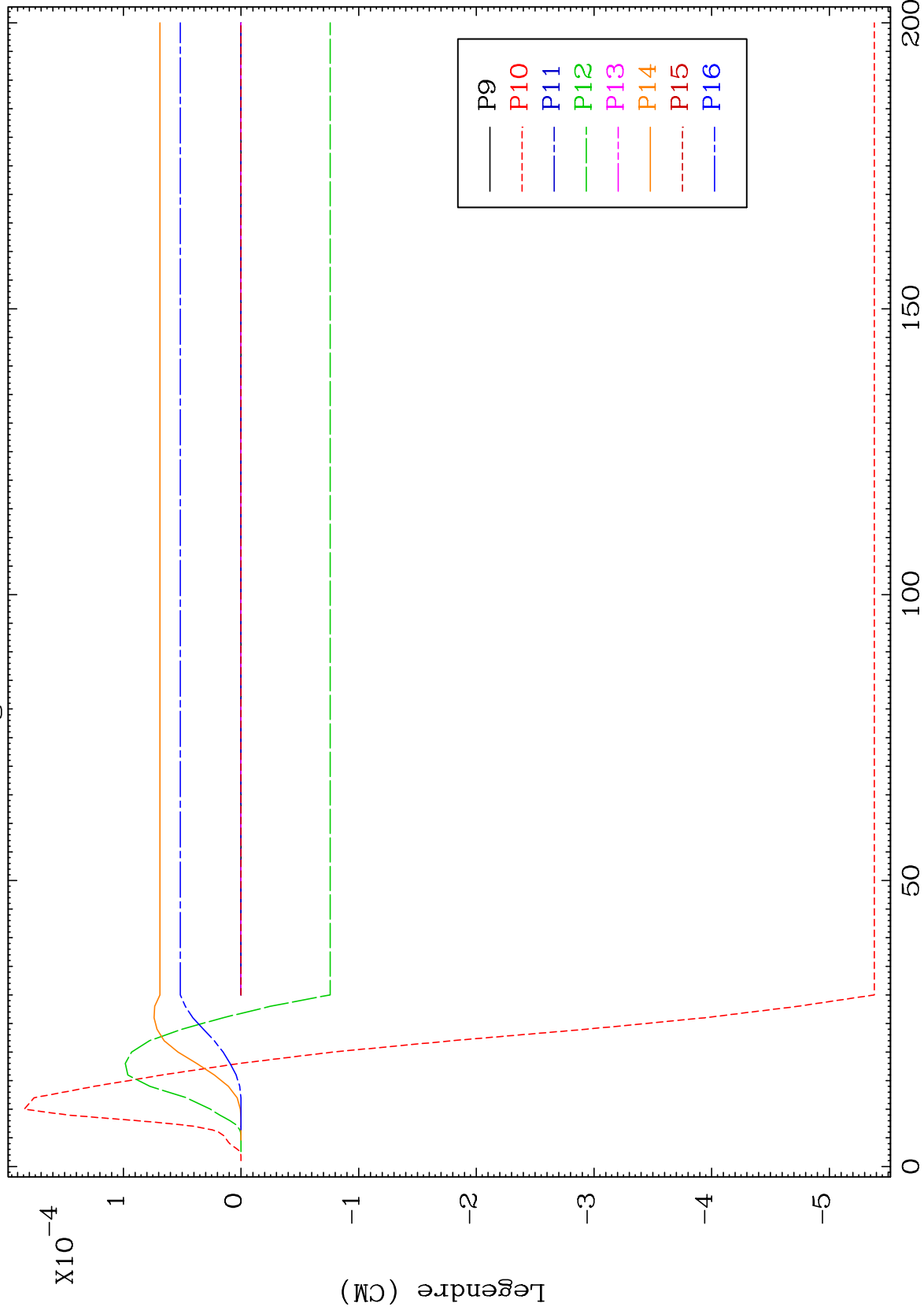
85-At-208



MAT 8540

MT= 67 (n,n') Level
Legendre Coefficients

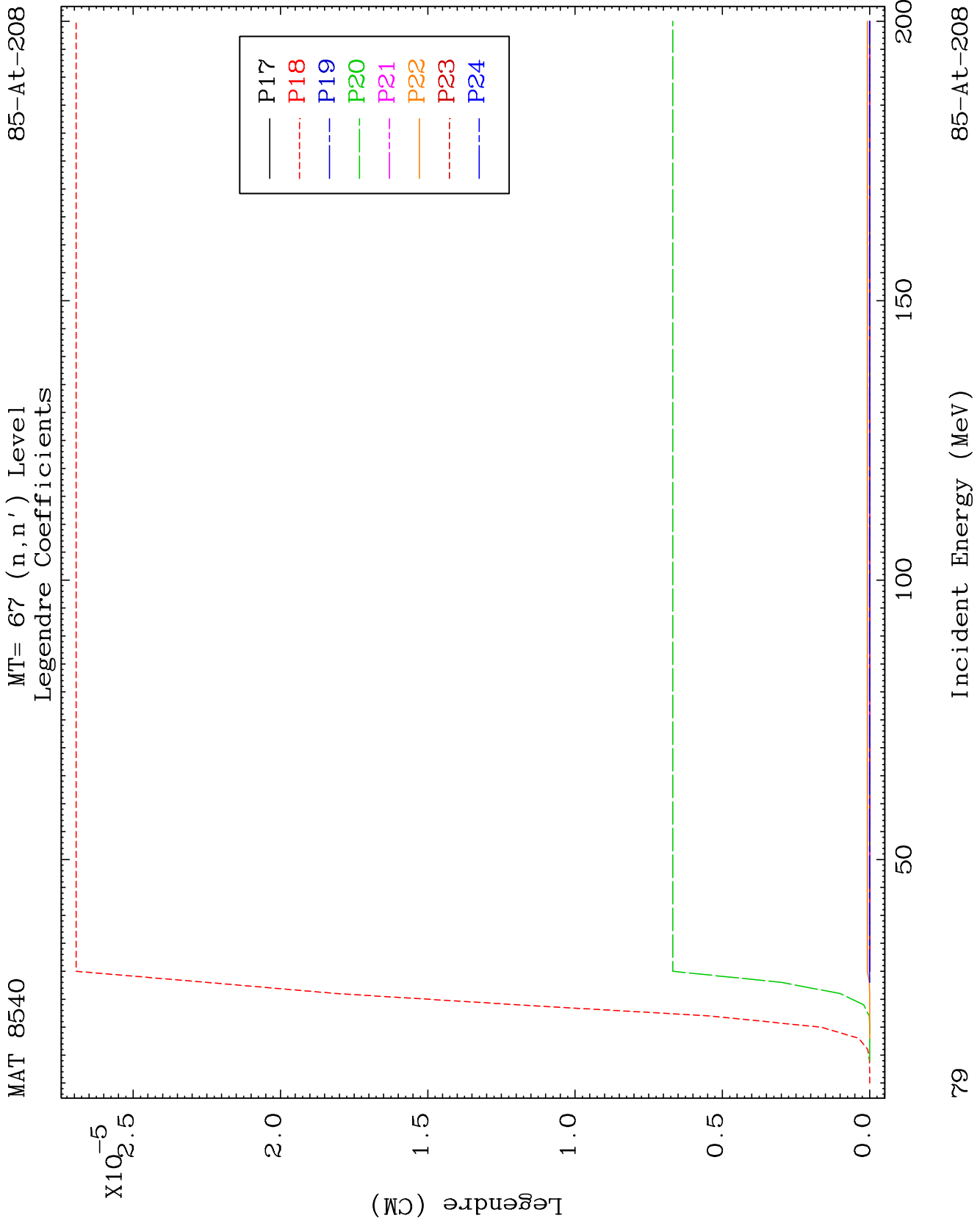
85-At-208



78

Incident Energy (MeV)

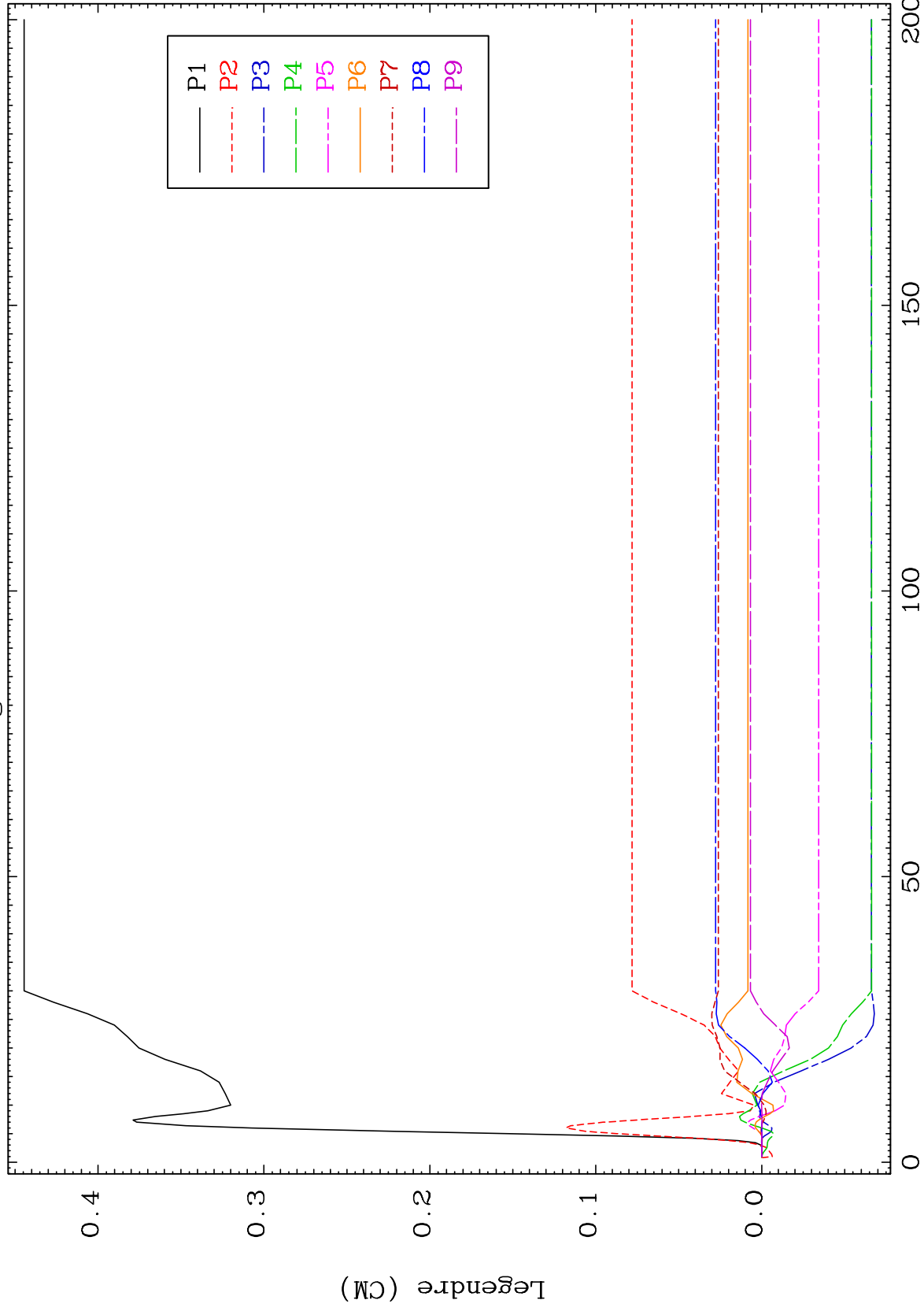
85-At-208



MAT 8540

MT= 68 (n,n') Level
Legendre Coefficients

85-At-208



85-At-208

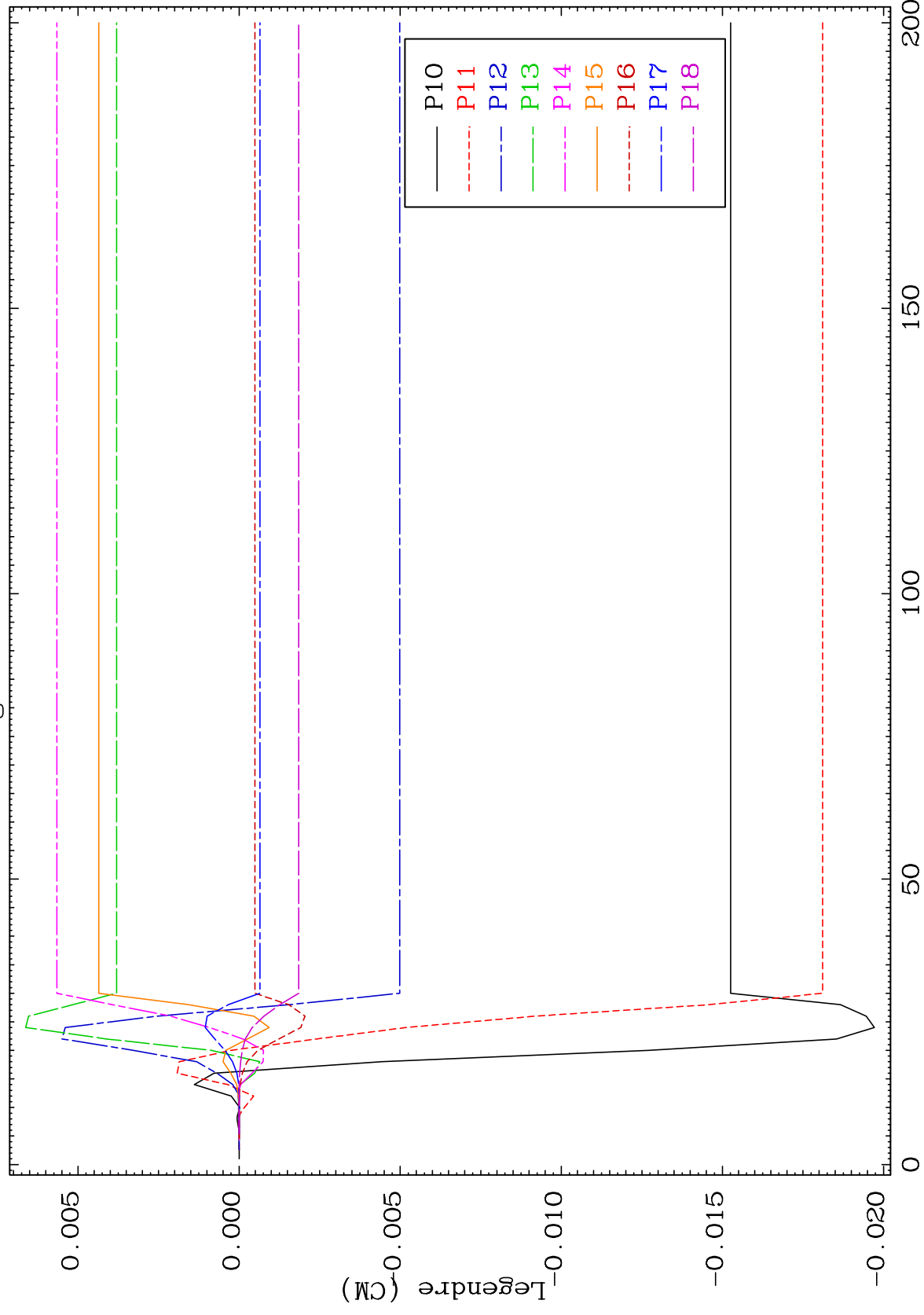
Incident Energy (MeV)

80

MAT 8540

MT= 68 (n,n') Level
Legendre Coefficients

85-At-208



81

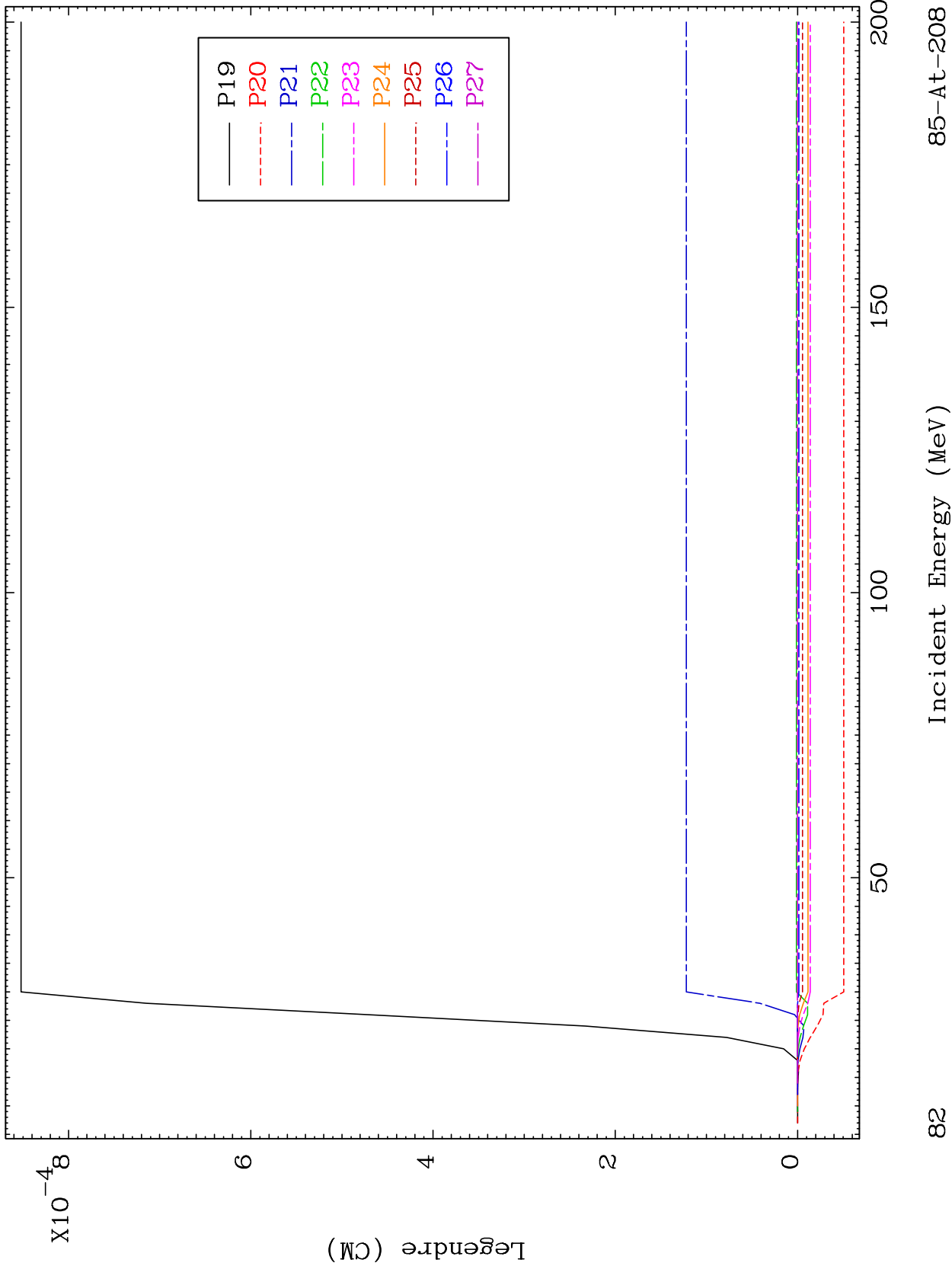
Incident Energy (MeV)

85-At-208

MAT 8540

MT= 68 (n,n') Level
Legendre Coefficients

85-At-208



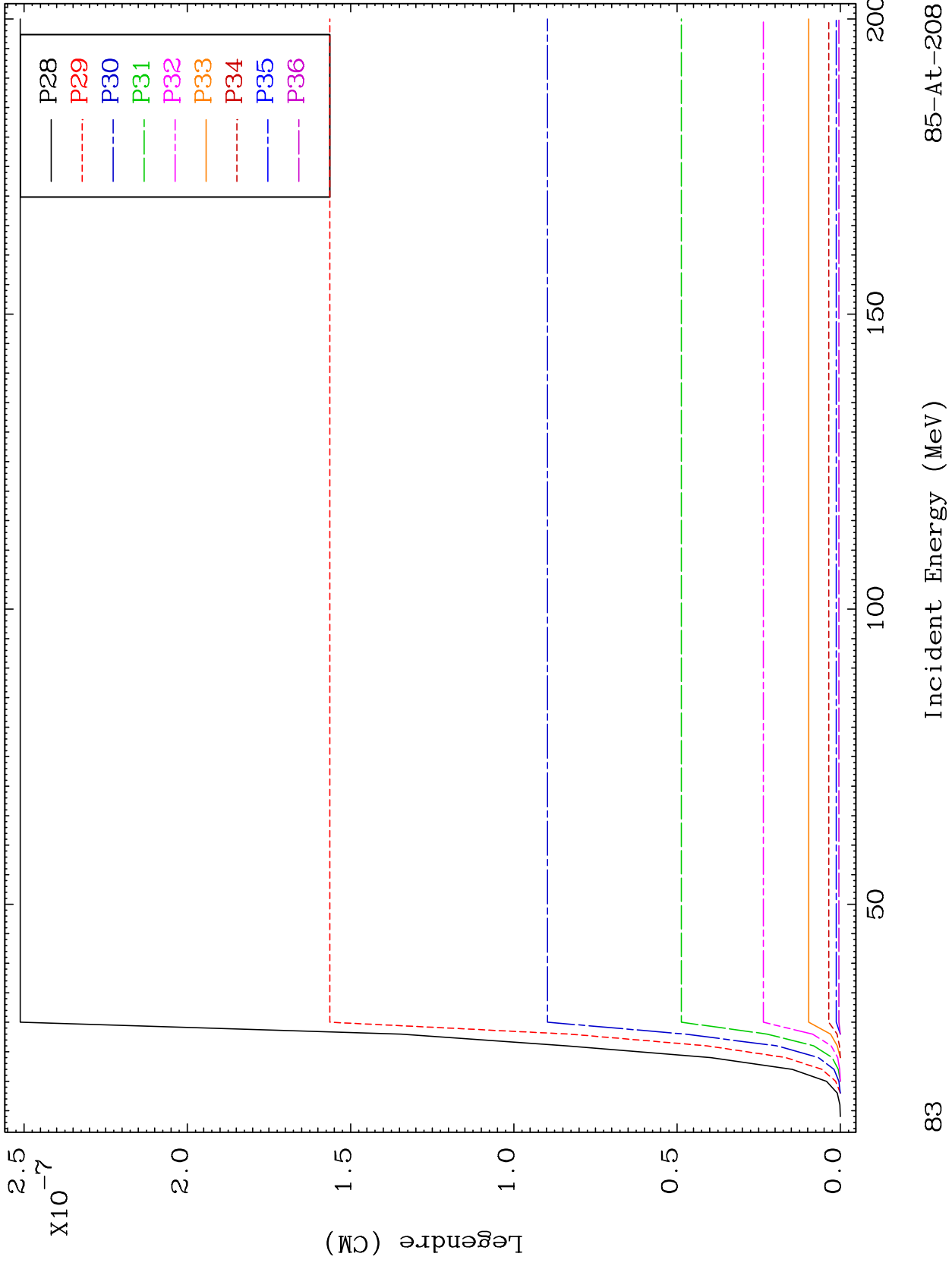
82

85-At-208

MAT 8540

MT= 68 (n,n') Level
Legendre Coefficients

85-At-208



83

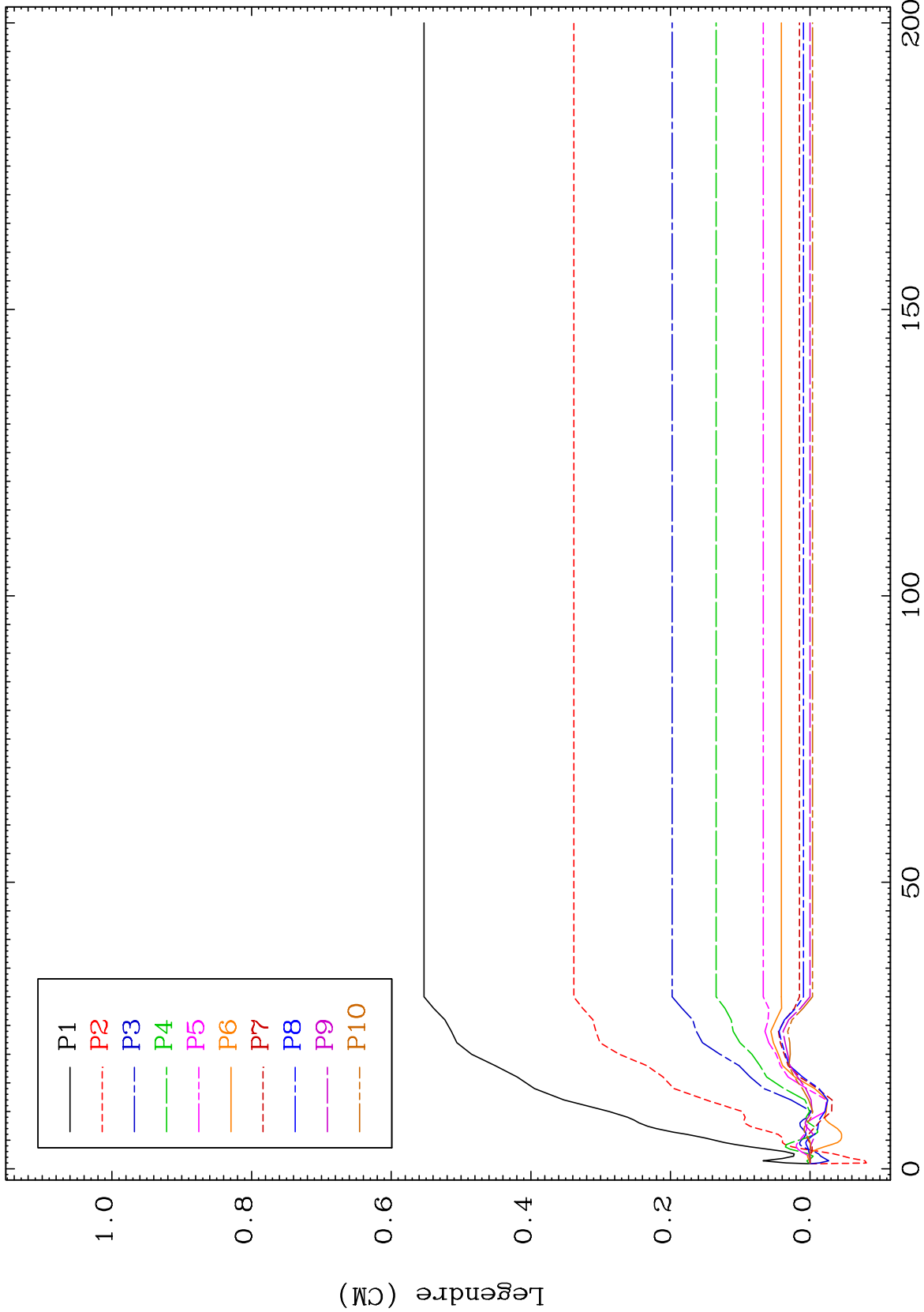
Incident Energy (MeV)

85-At-208

MAT 8540

MT= 69 (n,n') Level
Legendre Coefficients

85-At-208



84

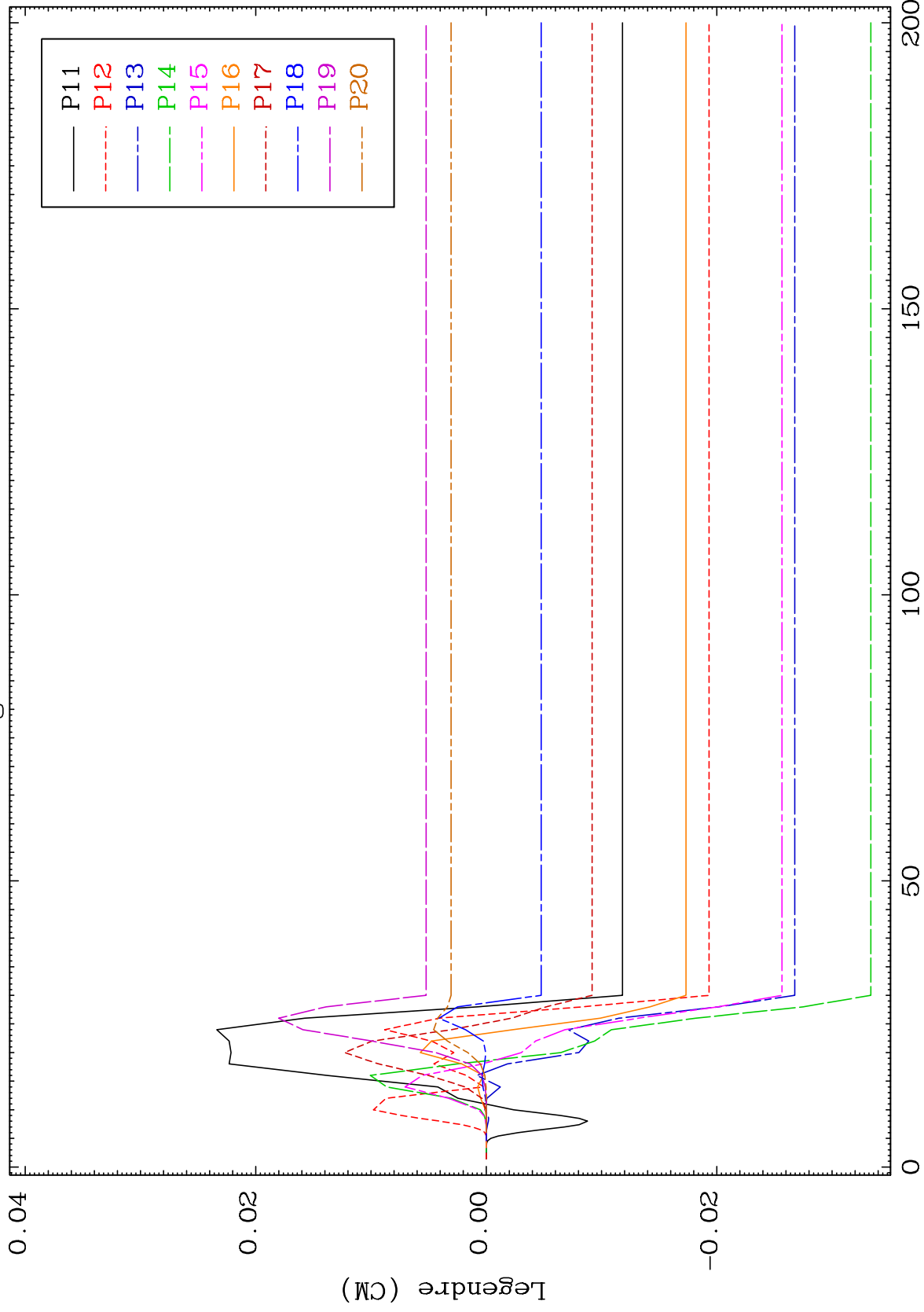
Incident Energy (MeV)

85-At-208

MAT 8540

MT= 69 (n,n') Level
Legendre Coefficients

85-At-208



85

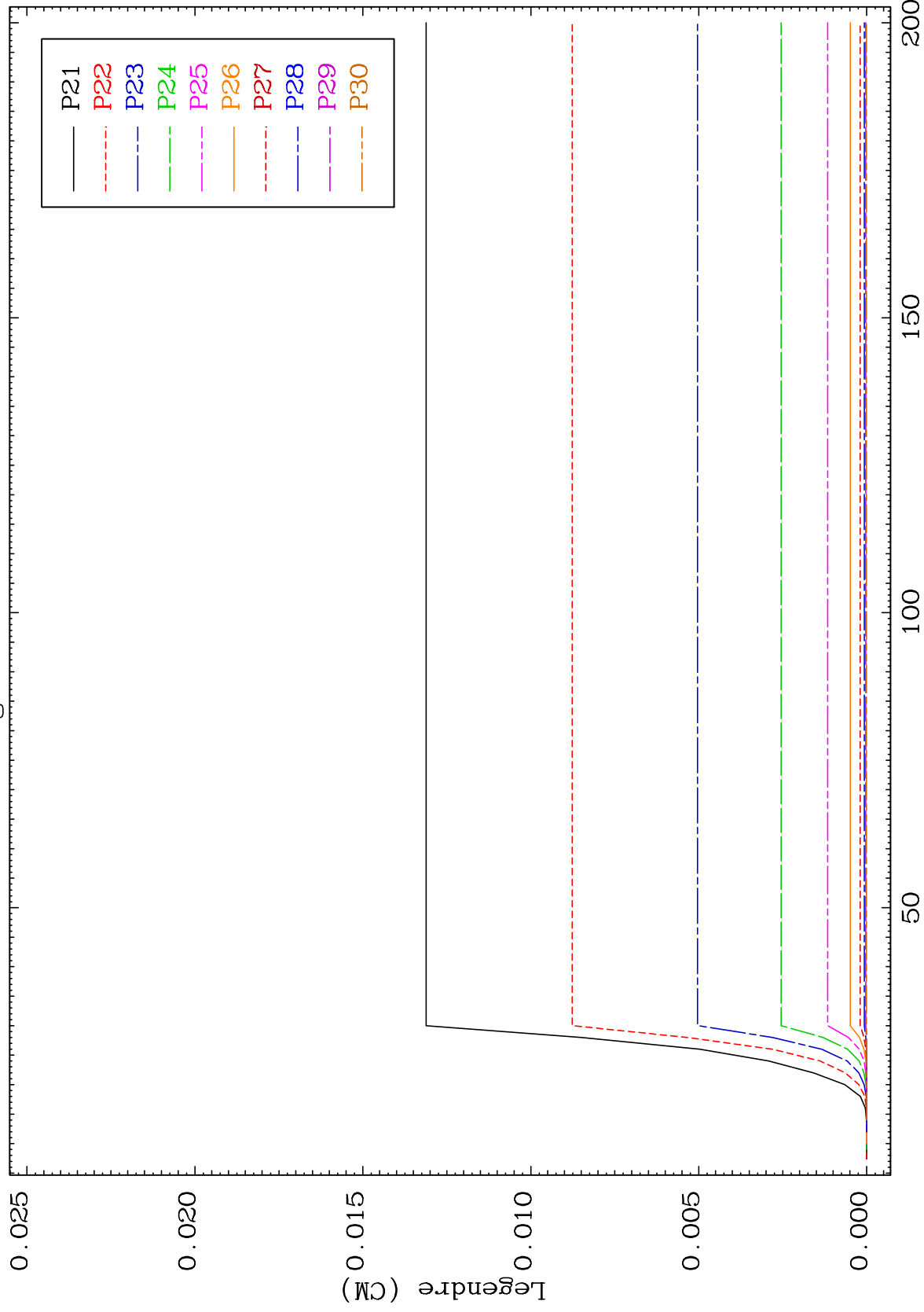
Incident Energy (MeV)

85-At-208

MAT 8540

MT= 69 (n,n') Level
Legendre Coefficients

85-At-208



86

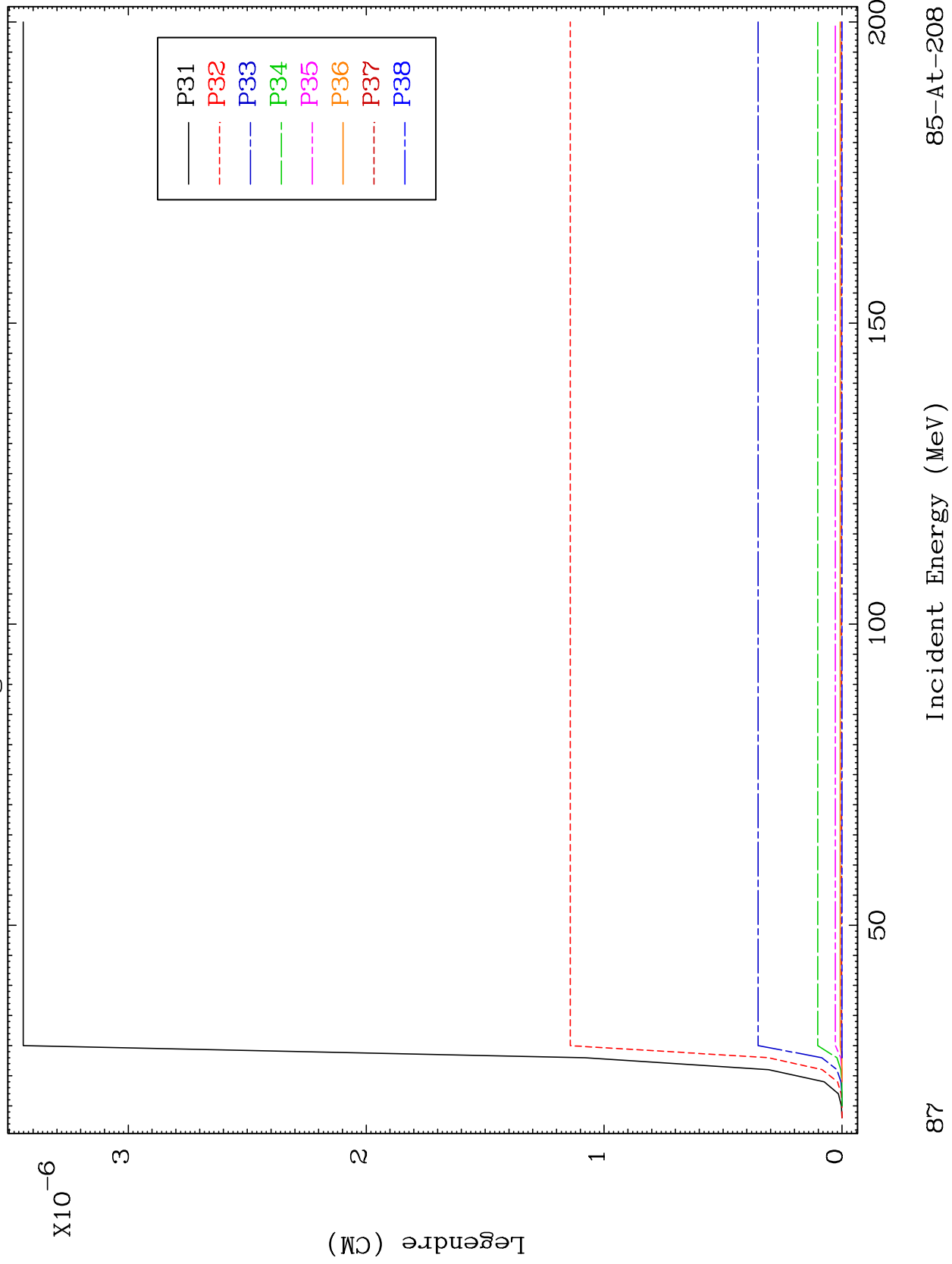
Incident Energy (MeV)

85-At-208

MAT 8540

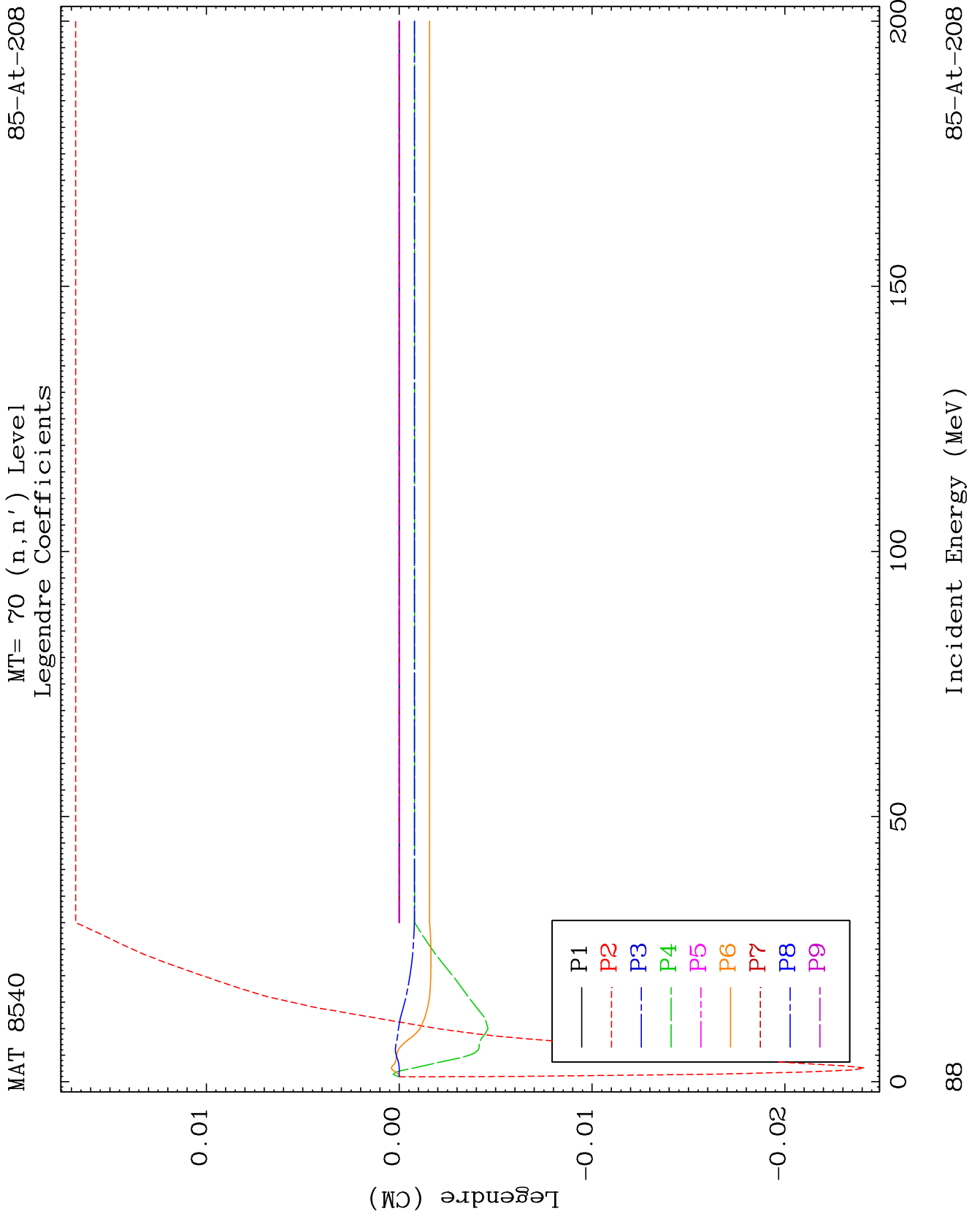
MT= 69 (n,n') Level
Legendre Coefficients

85-At-208



87

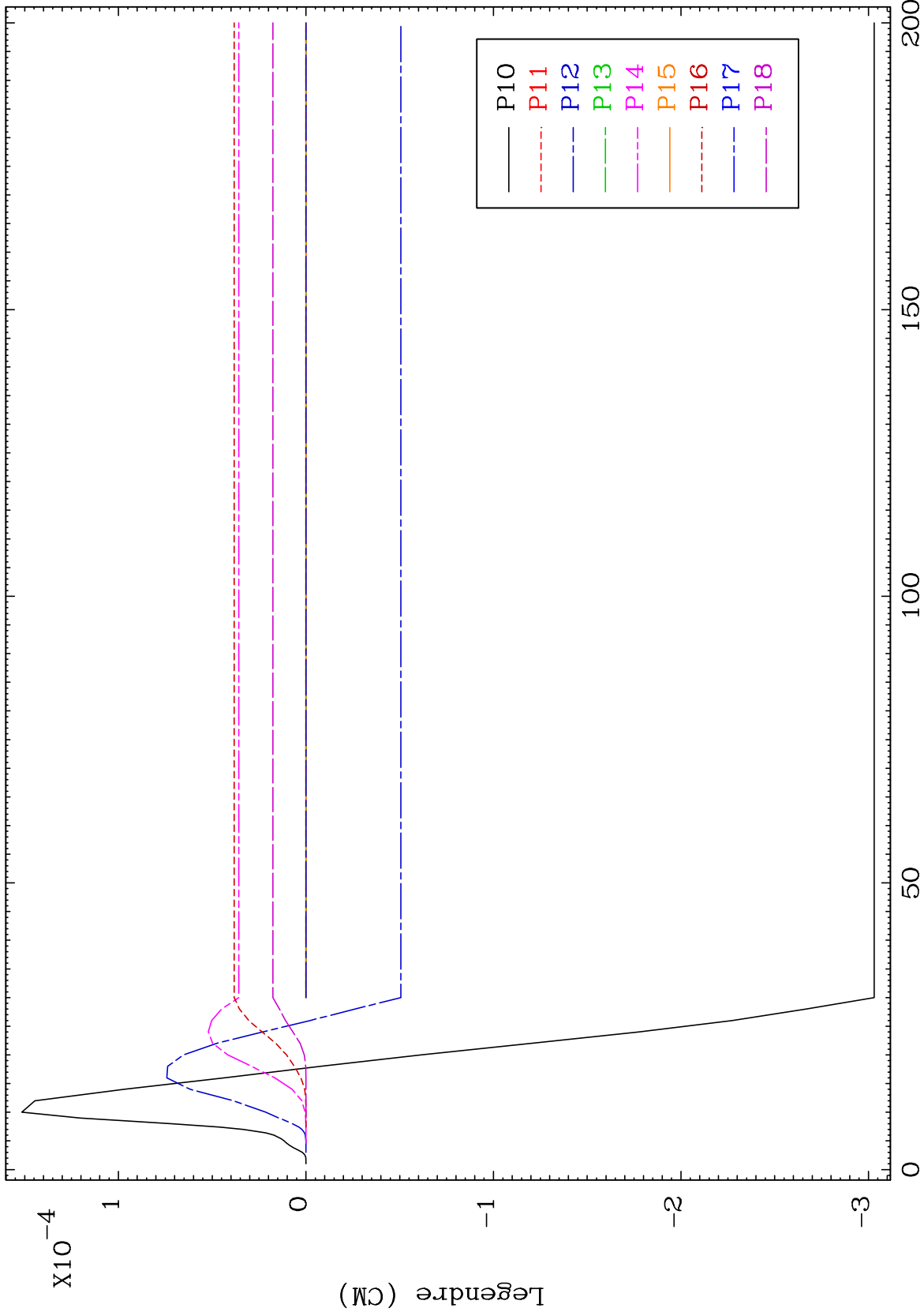
85-At-208



MAT 8540

MT= 70 (n,n') Level
Legendre Coefficients

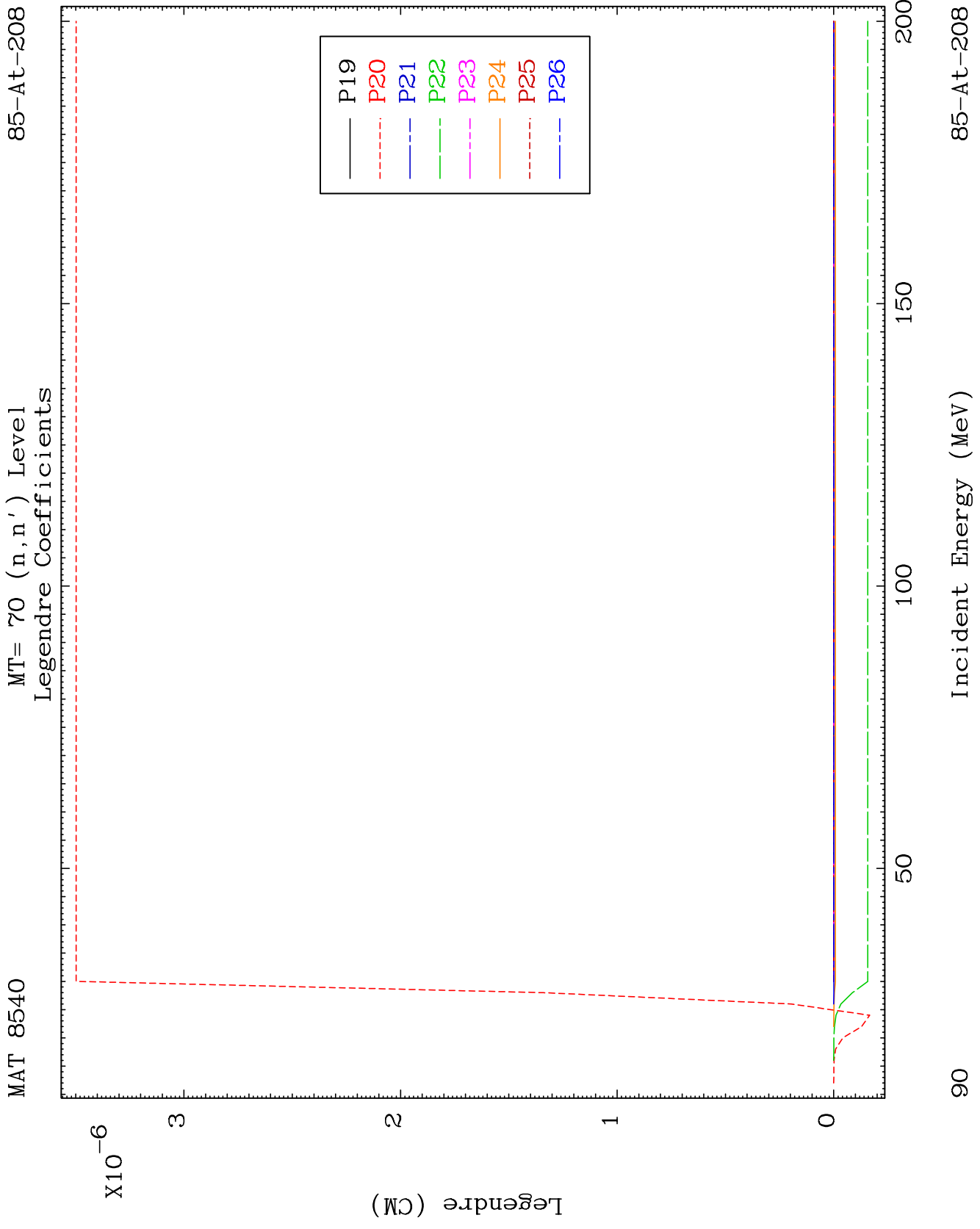
85-At-208

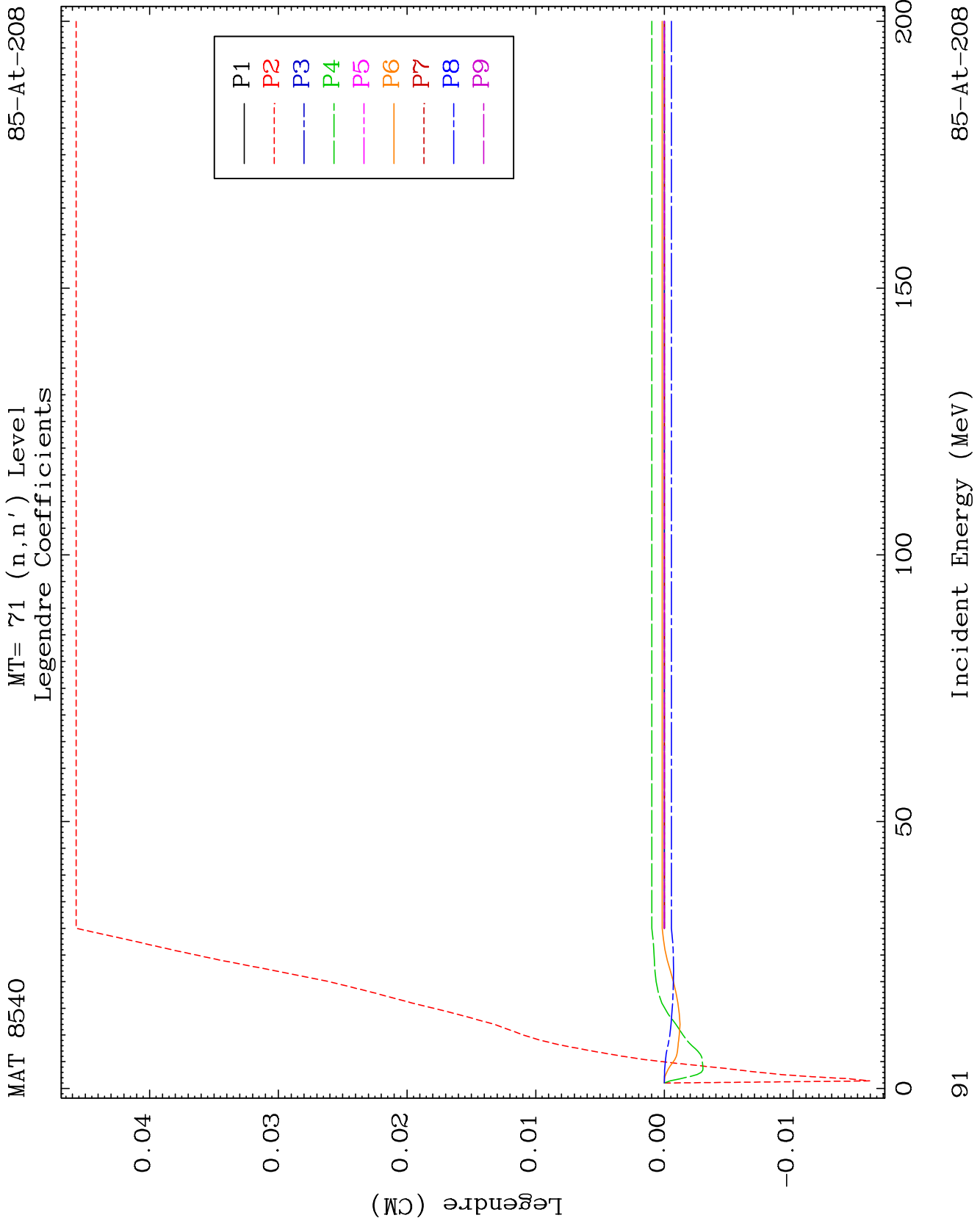


89

Incident Energy (MeV)

85-At-208

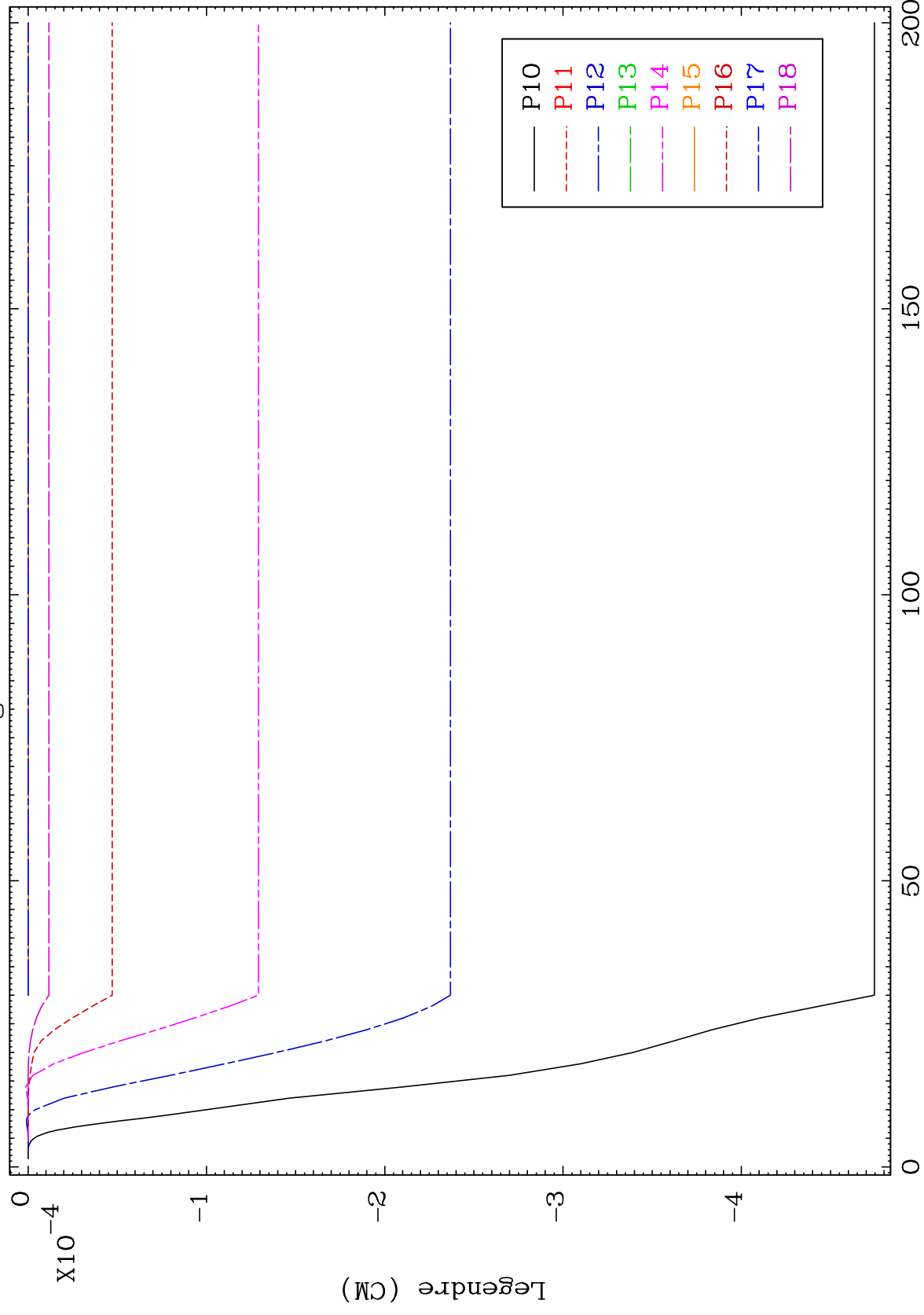




MAT 8540

MT= 71 (n,n') Level
Legendre Coefficients

85-At-208



92

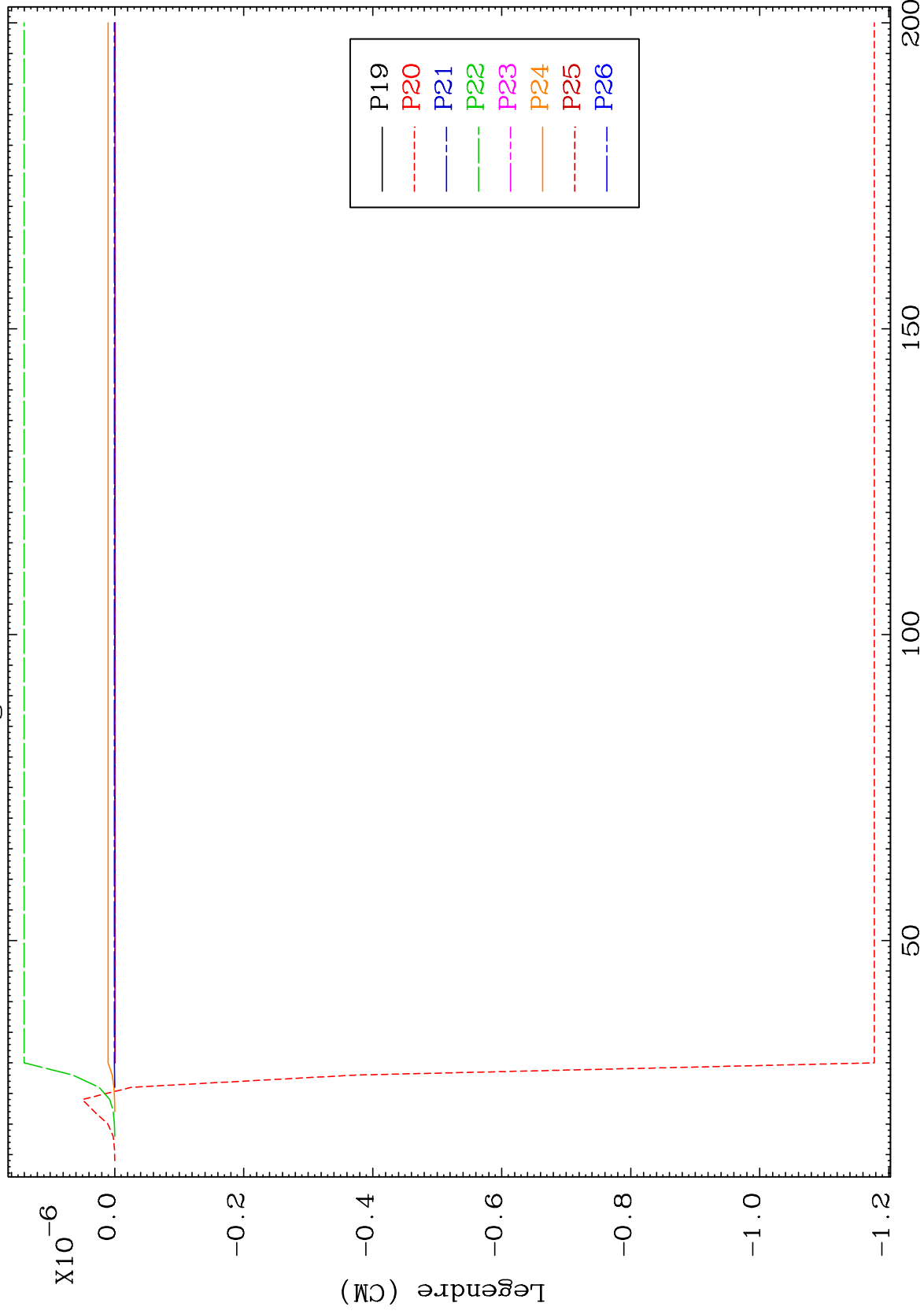
Incident Energy (MeV)

85-At-208

MAT 8540

MT= 71 (n,n') Level
Legendre Coefficients

85-At-208



93

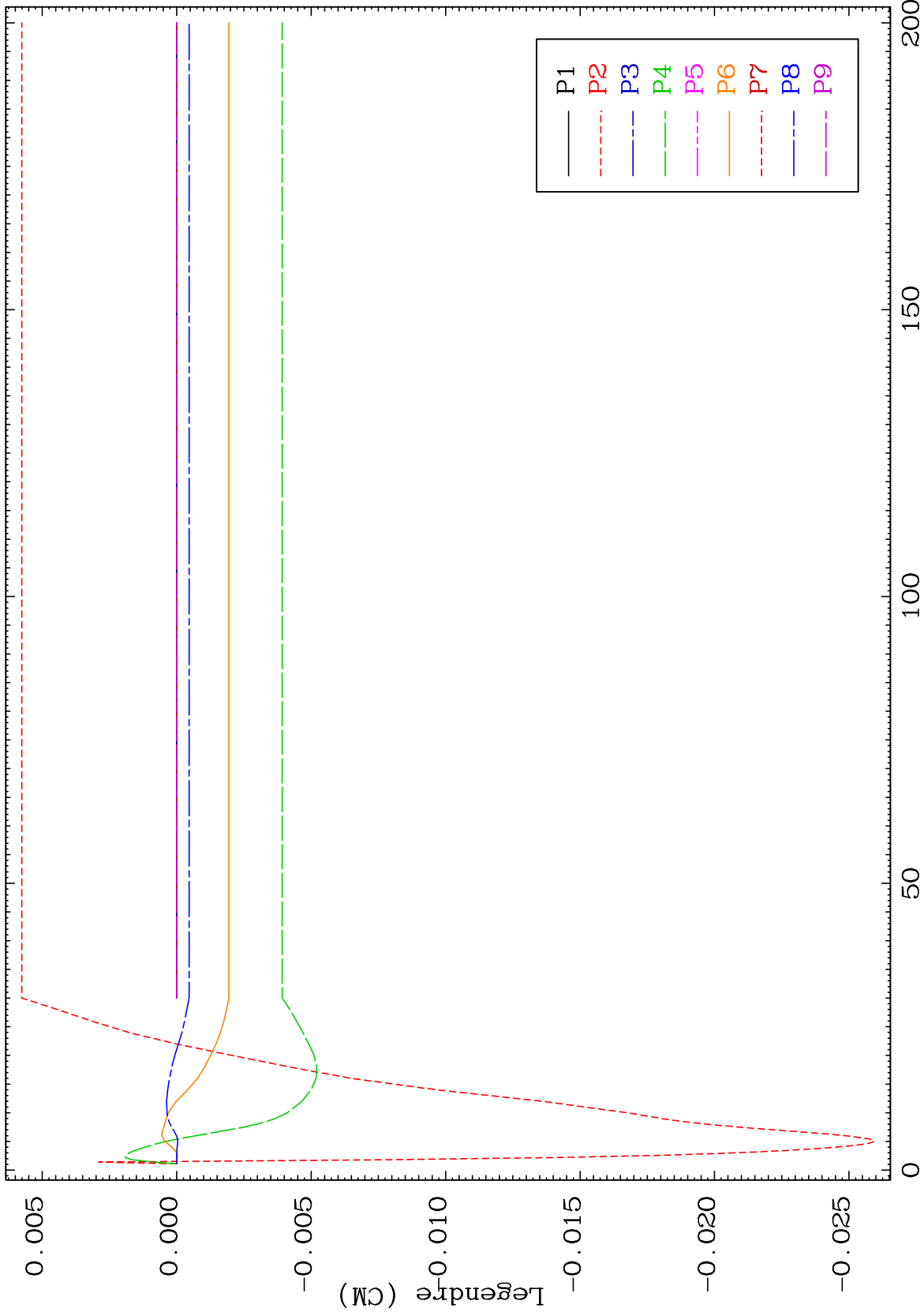
Incident Energy (MeV)

85-At-208

MAT 8540

MT= 72 (n,n') Level
Legendre Coefficients

85-At-208



94

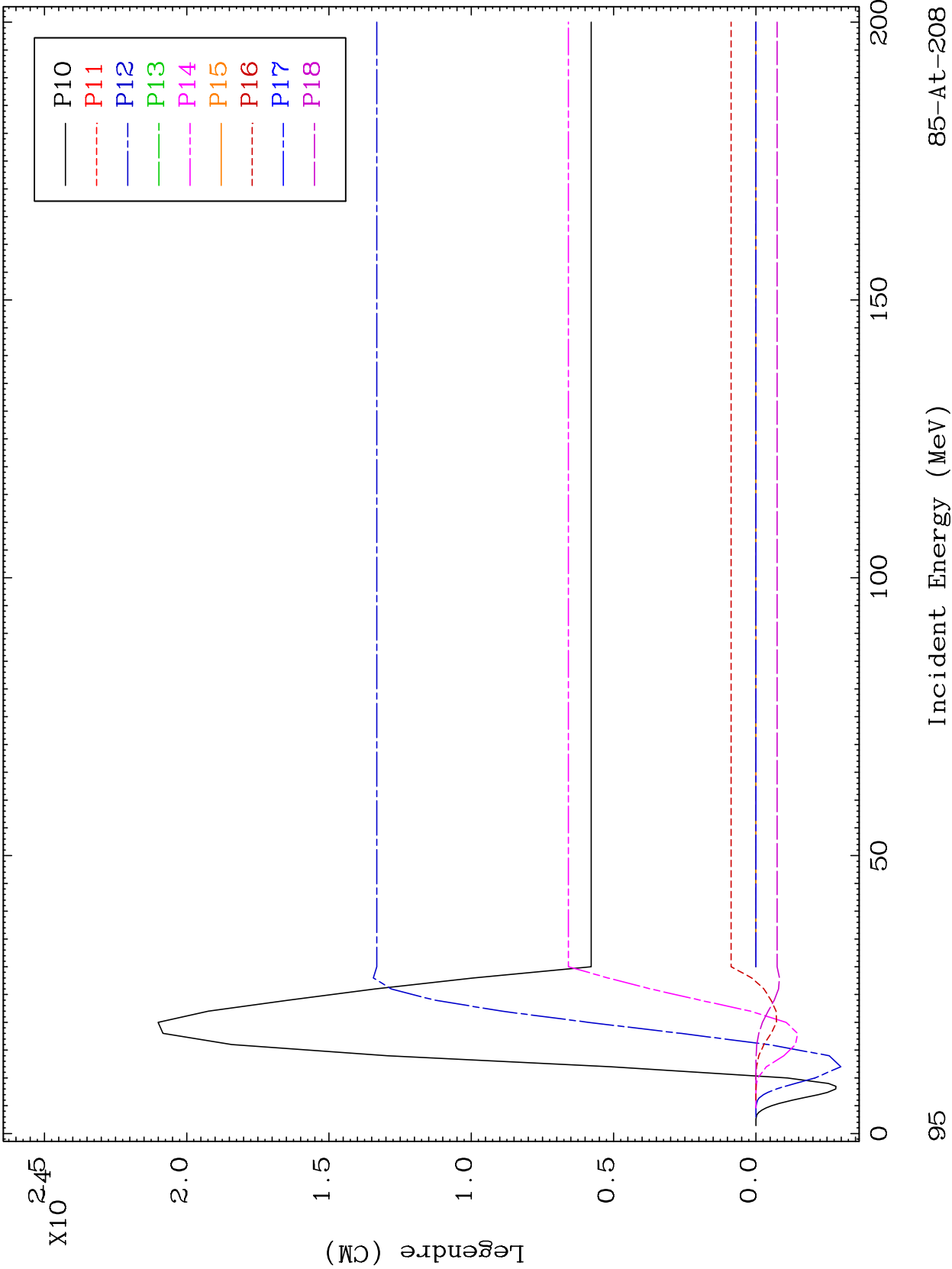
Incident Energy (MeV)

85-At-208

MAT 8540

MT= 72 (n,n') Level
Legendre Coefficients

85-At-208



85-At-208

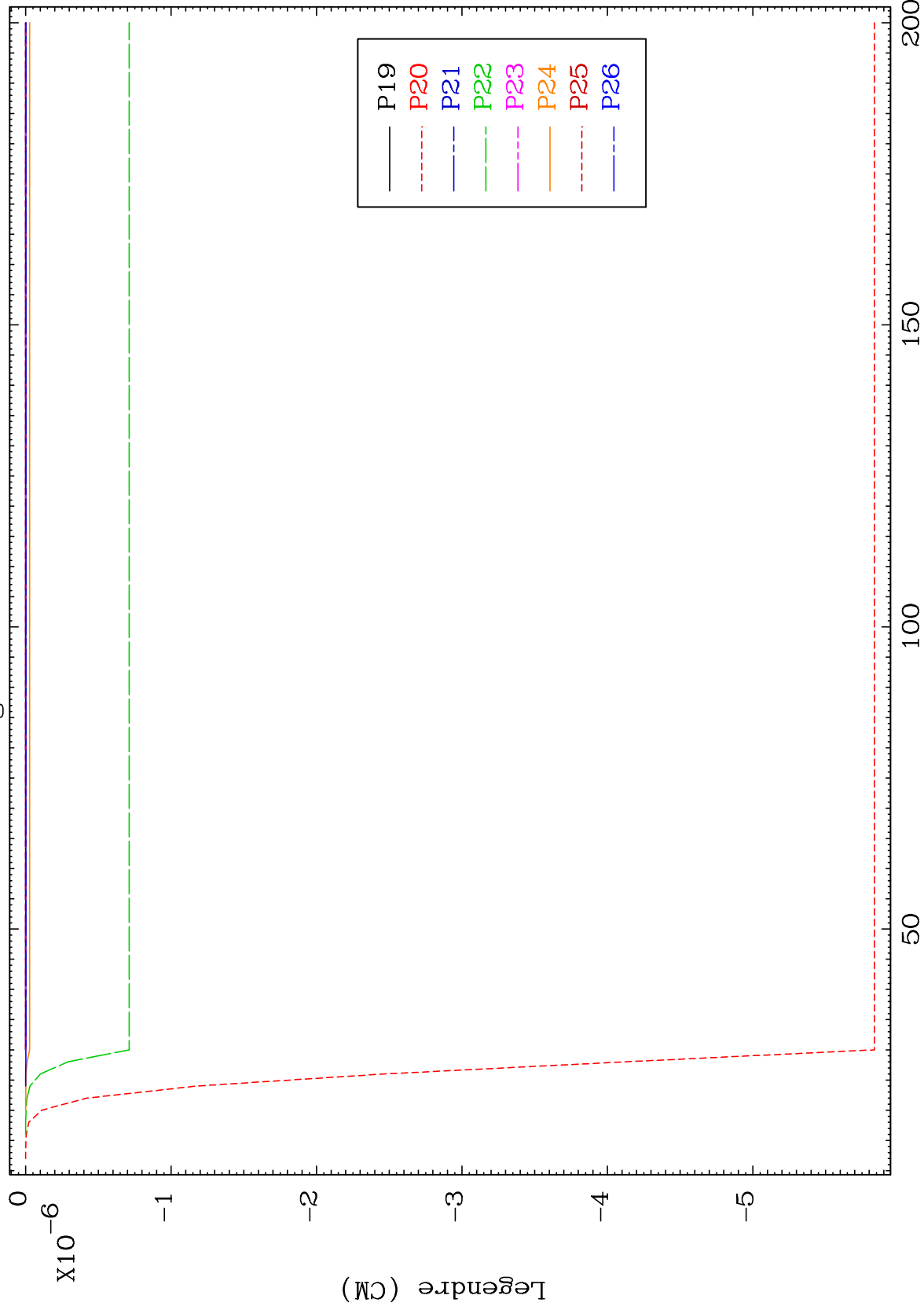
Incident Energy (MeV)

95

MAT 8540

MT= 72 (n,n') Level
Legendre Coefficients

85-At-208



96

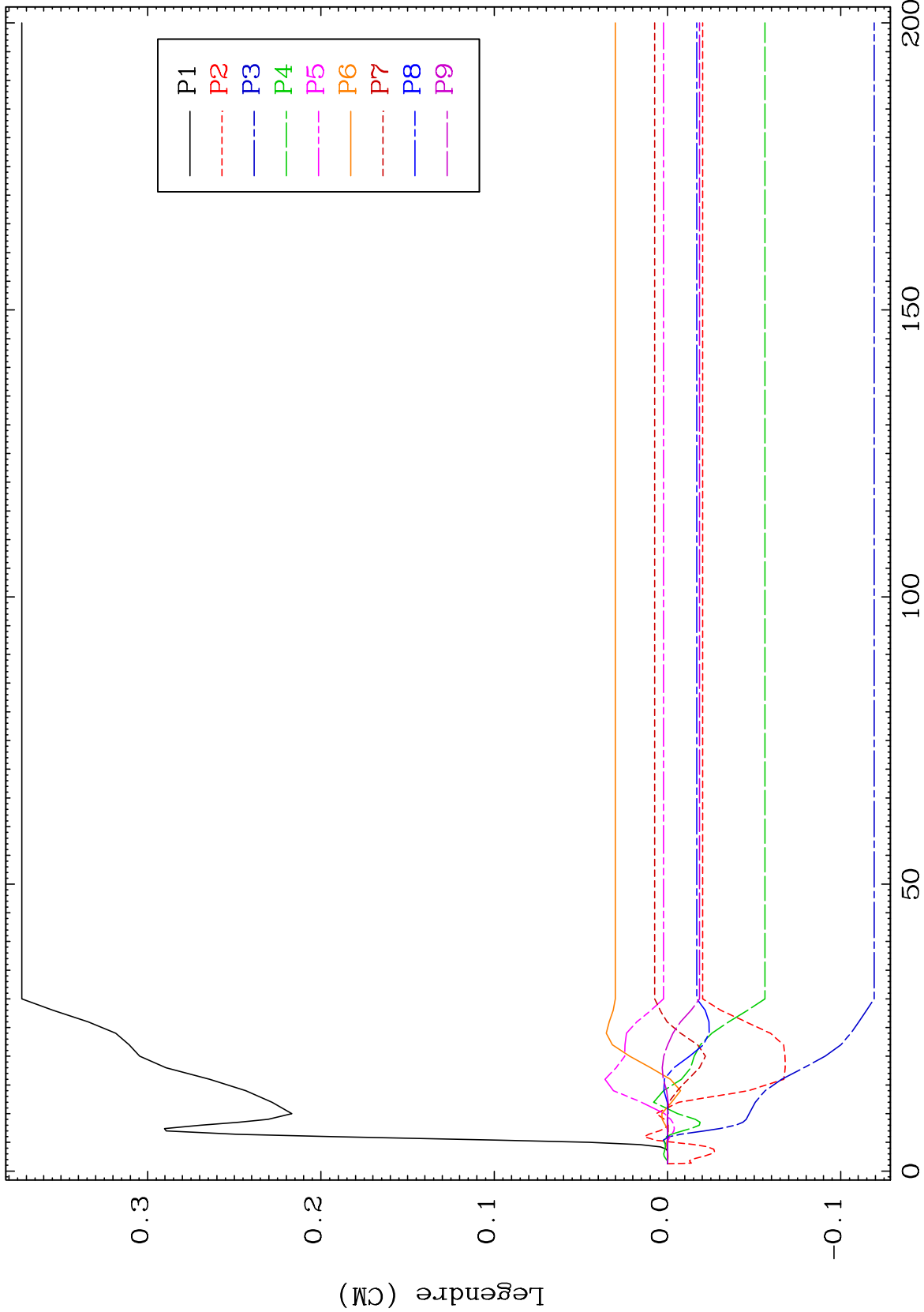
Incident Energy (MeV)

85-At-208

MAT 8540

MT= 73 (n,n') Level
Legendre Coefficients

85-At-208



97

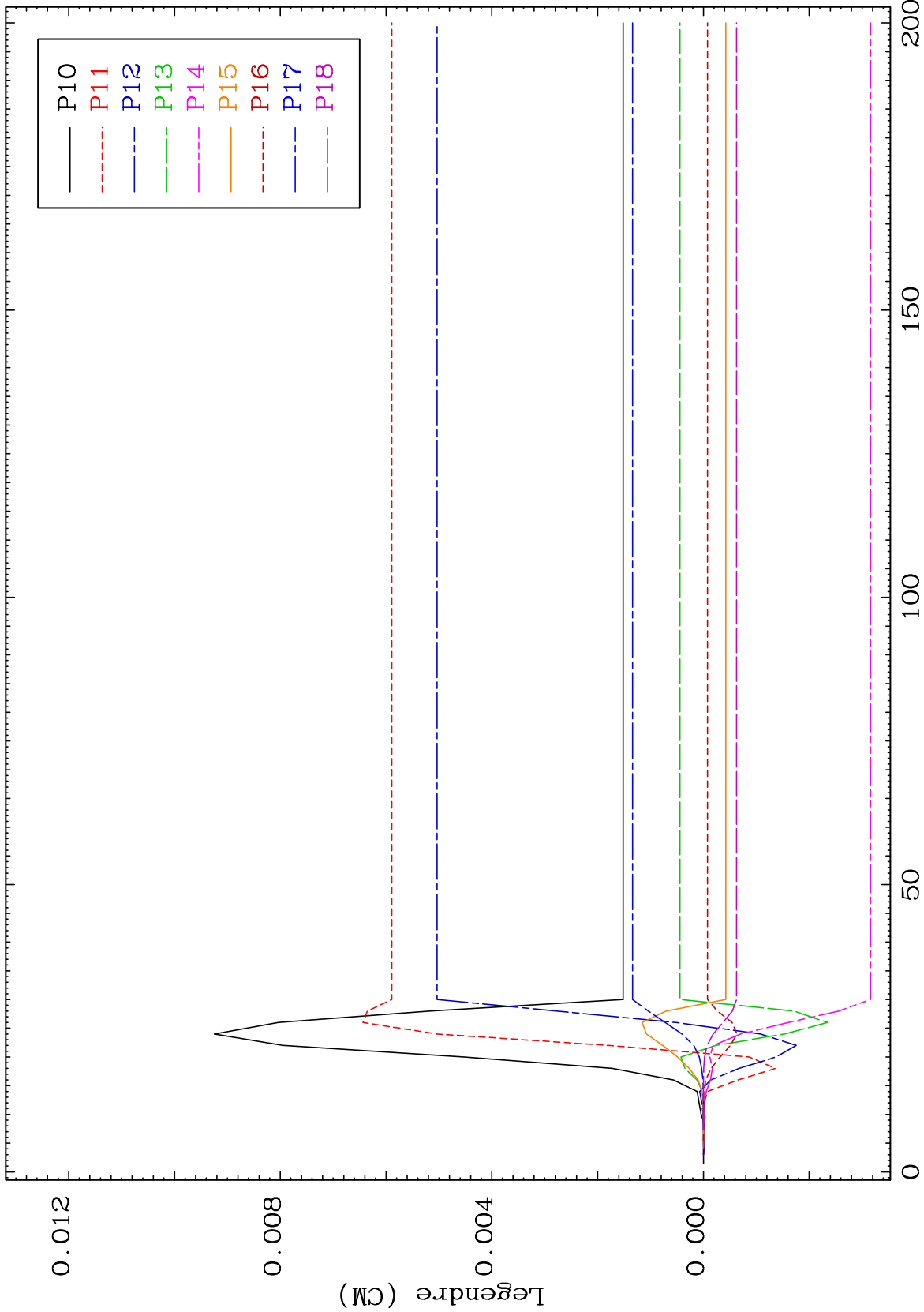
Incident Energy (MeV)

85-At-208

MAT 8540

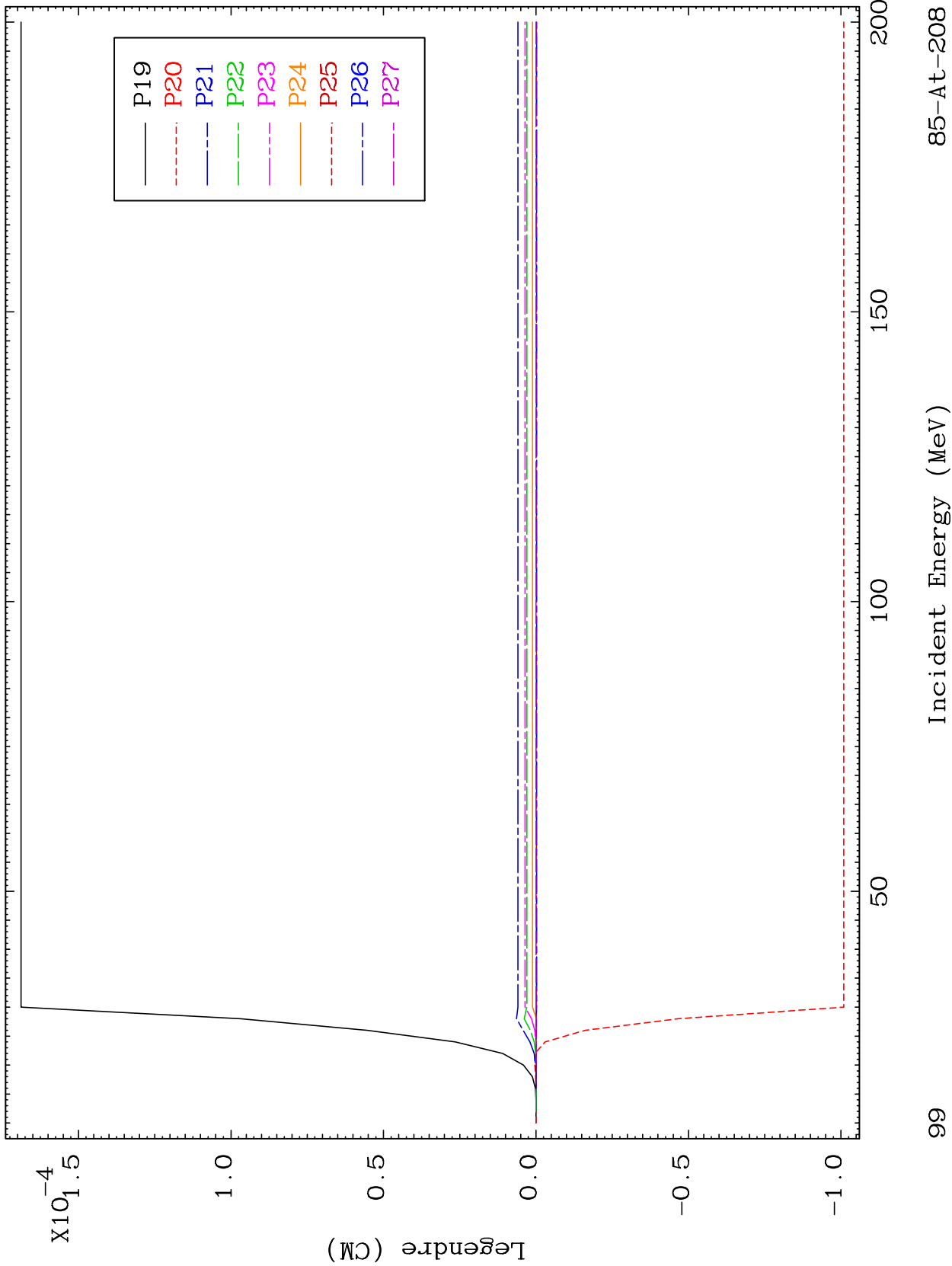
MT= 73 (n,n') Level
Legendre Coefficients

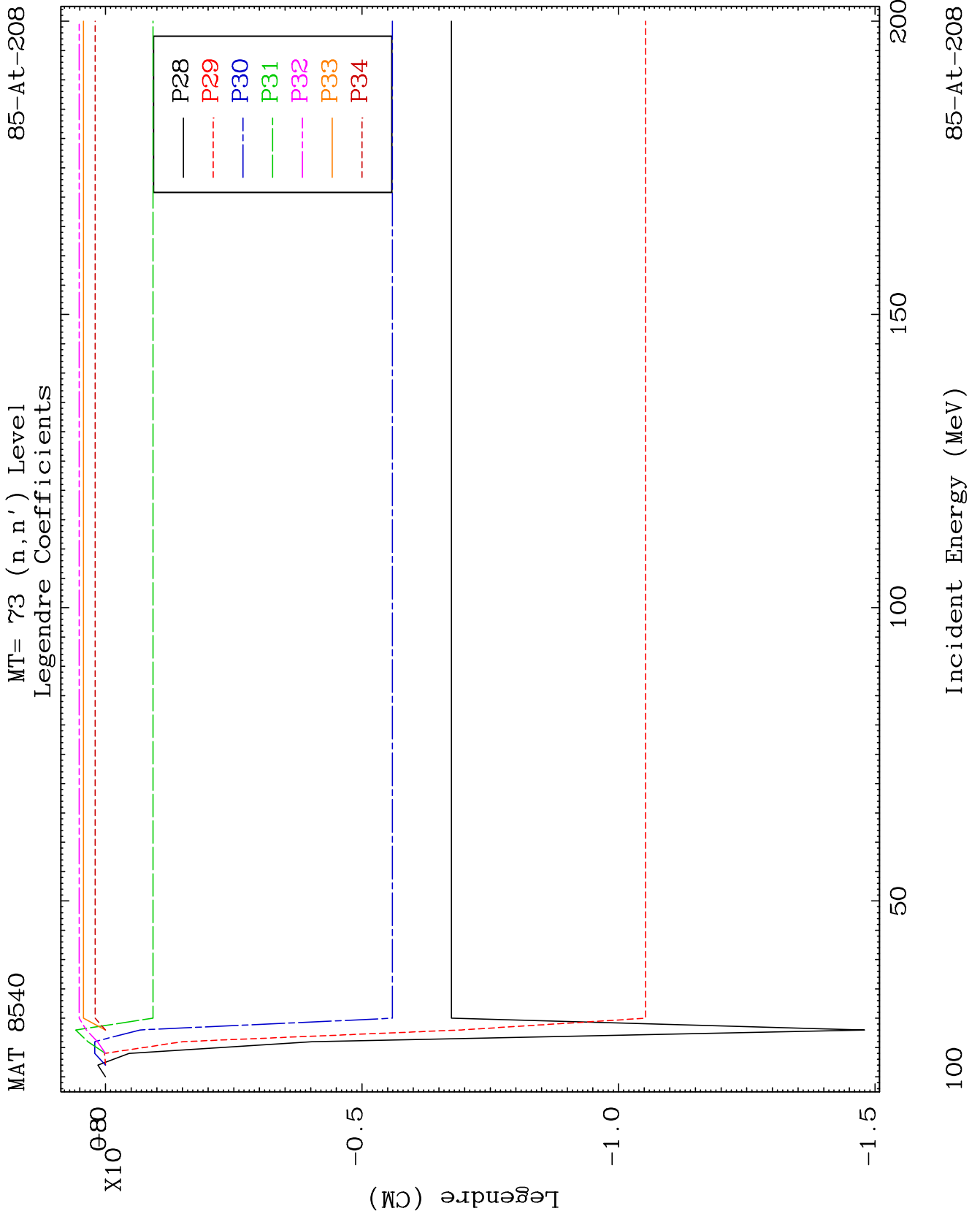
85-At-208



98

85-At-208



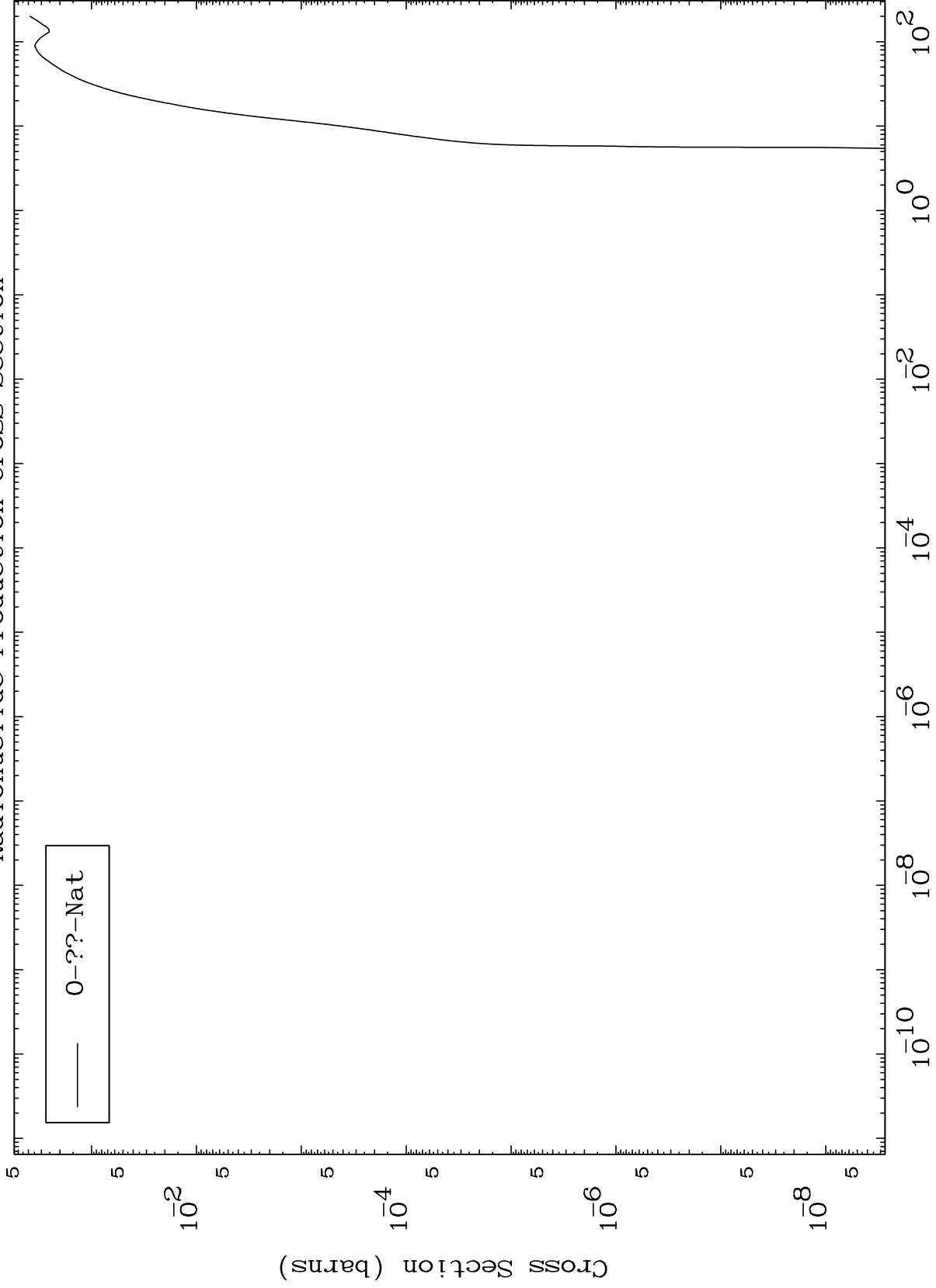


MAT 8540

Fission

85-At-208

Radionuclide Production Cross Section



101

Incident Energy (MeV)

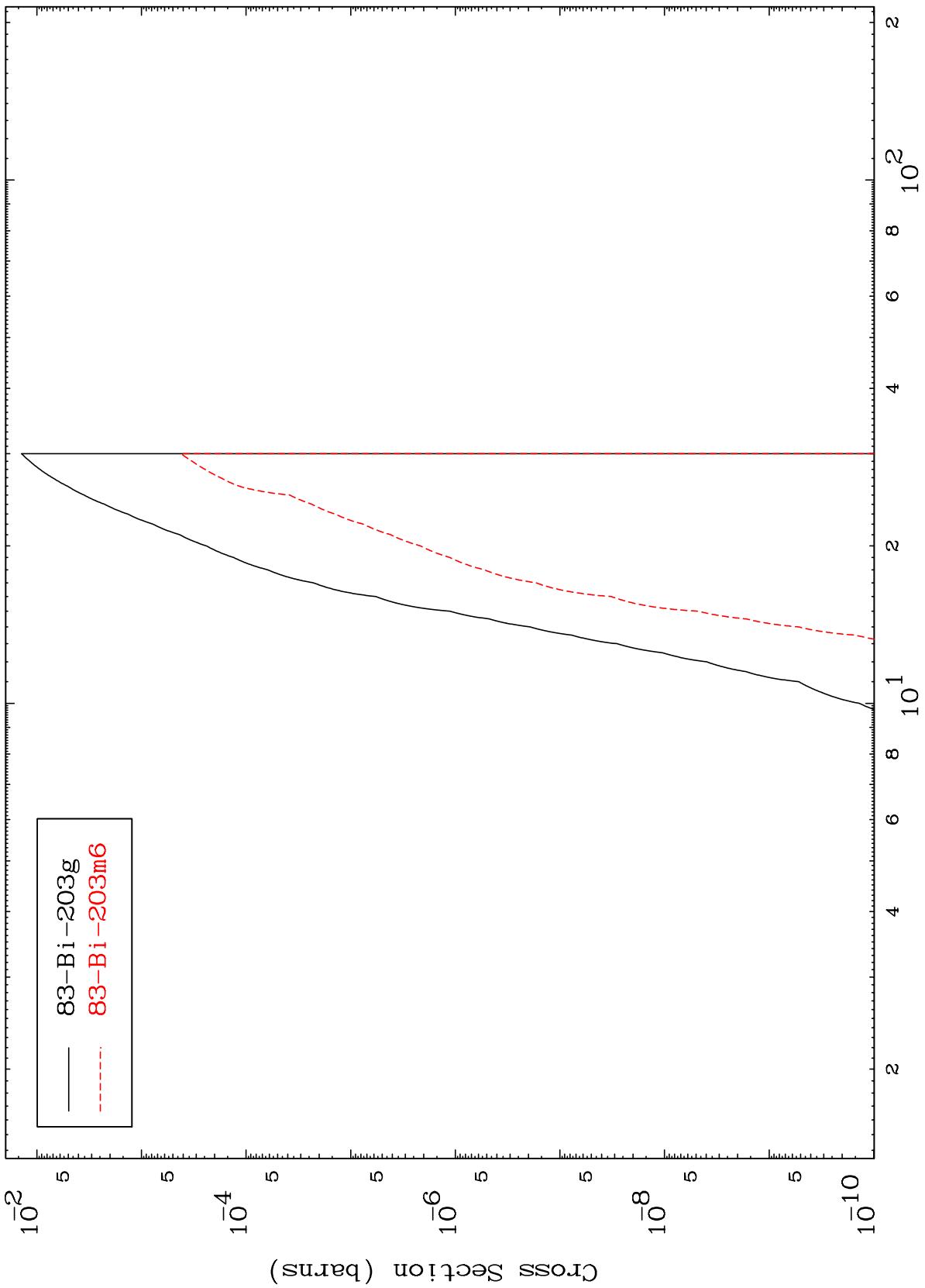
85-At-208

MAT 8540

(n,2n) α

85-At-208

Radionuclide Production Cross Section



— 83-Bi-203g
- - - 83-Bi-203m6

102

Incident Energy (MeV)

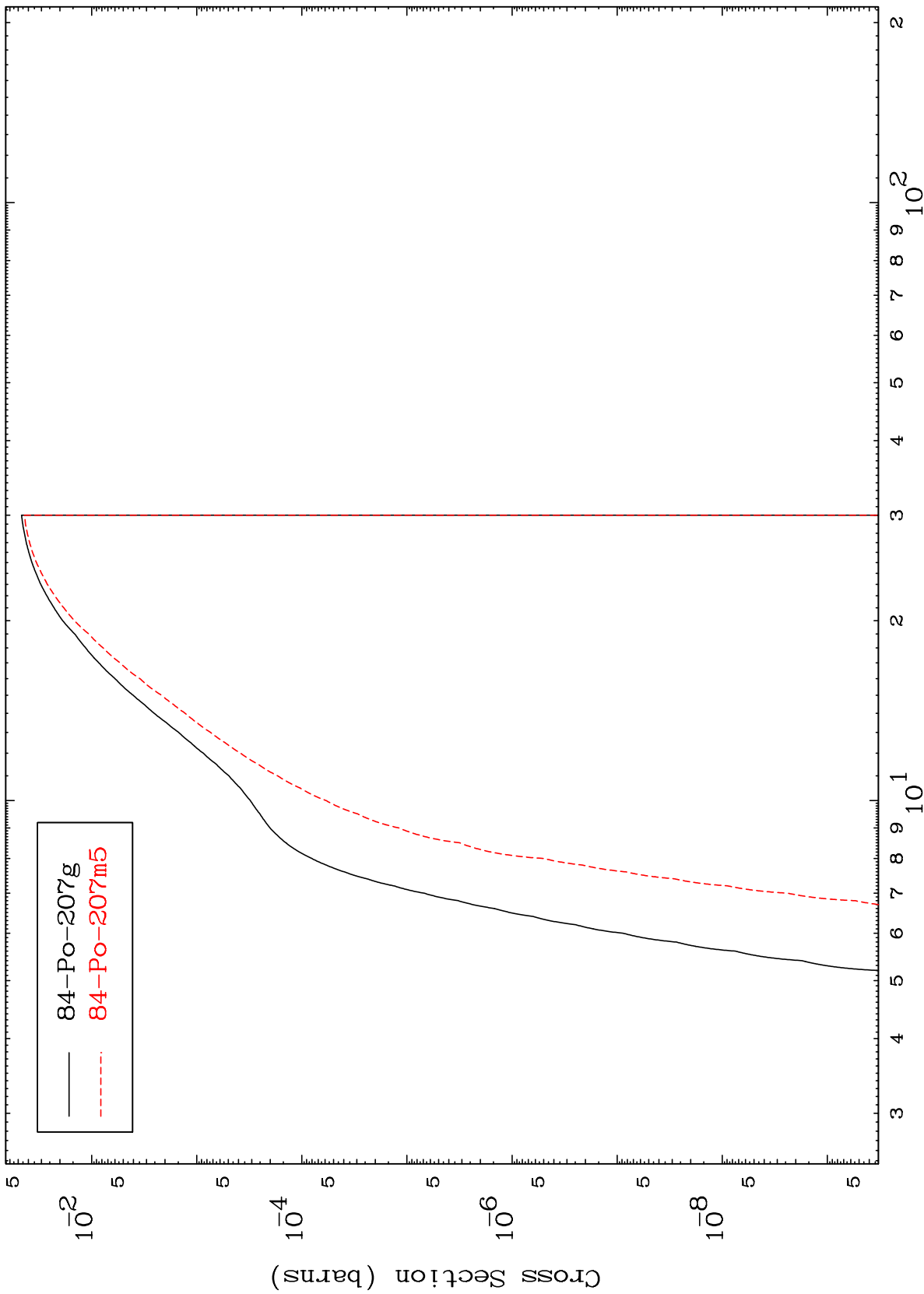
85-At-208

MAT 8540

(n,n') p

85-At-208

Radionuclide Production Cross Section



84-Po-207g
84-Po-207m5

103

Incident Energy (MeV)

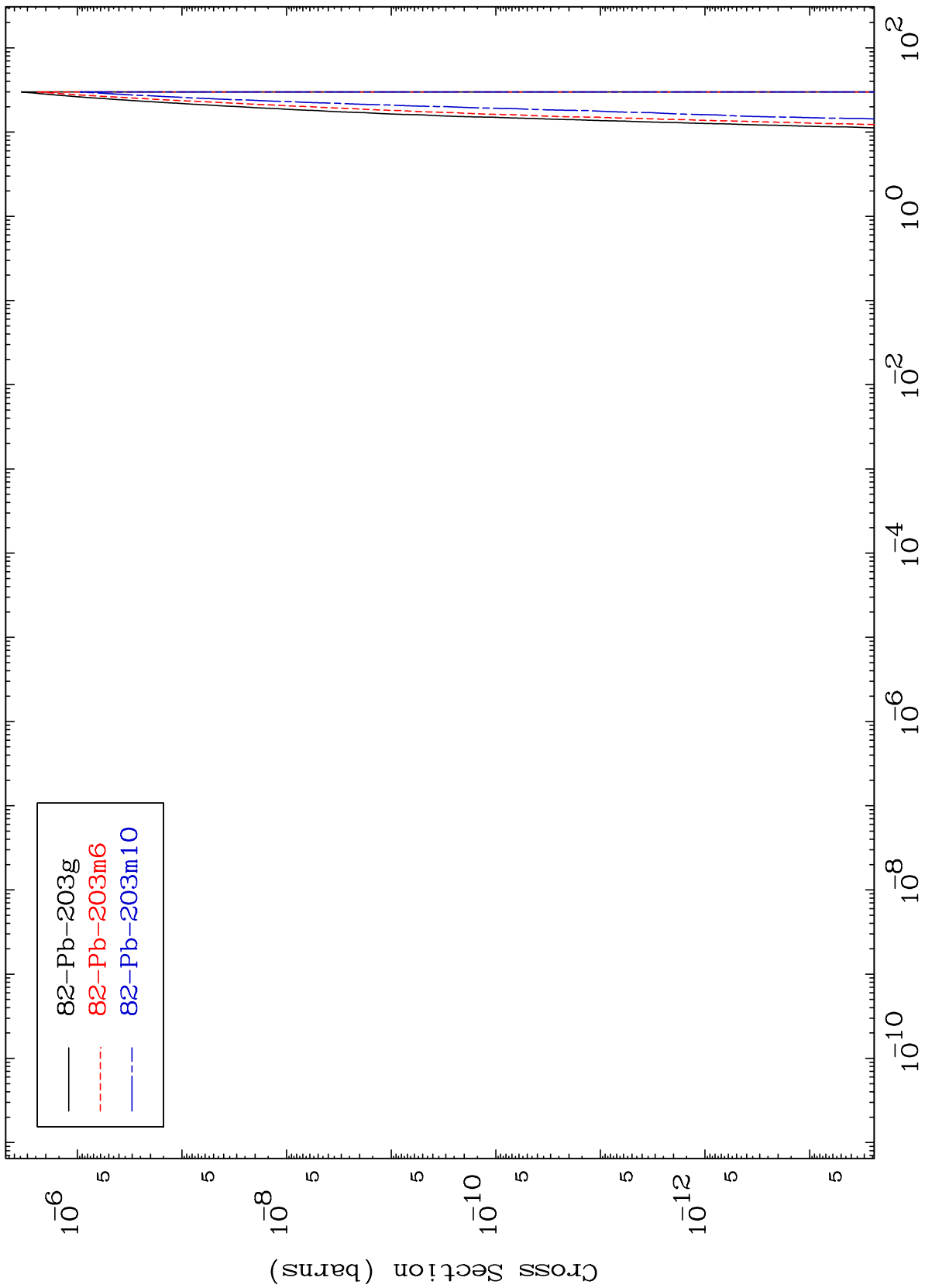
85-At-208

MAT 8540

(n,n') p α

85-At-208

Radionuclide Production Cross Section



104

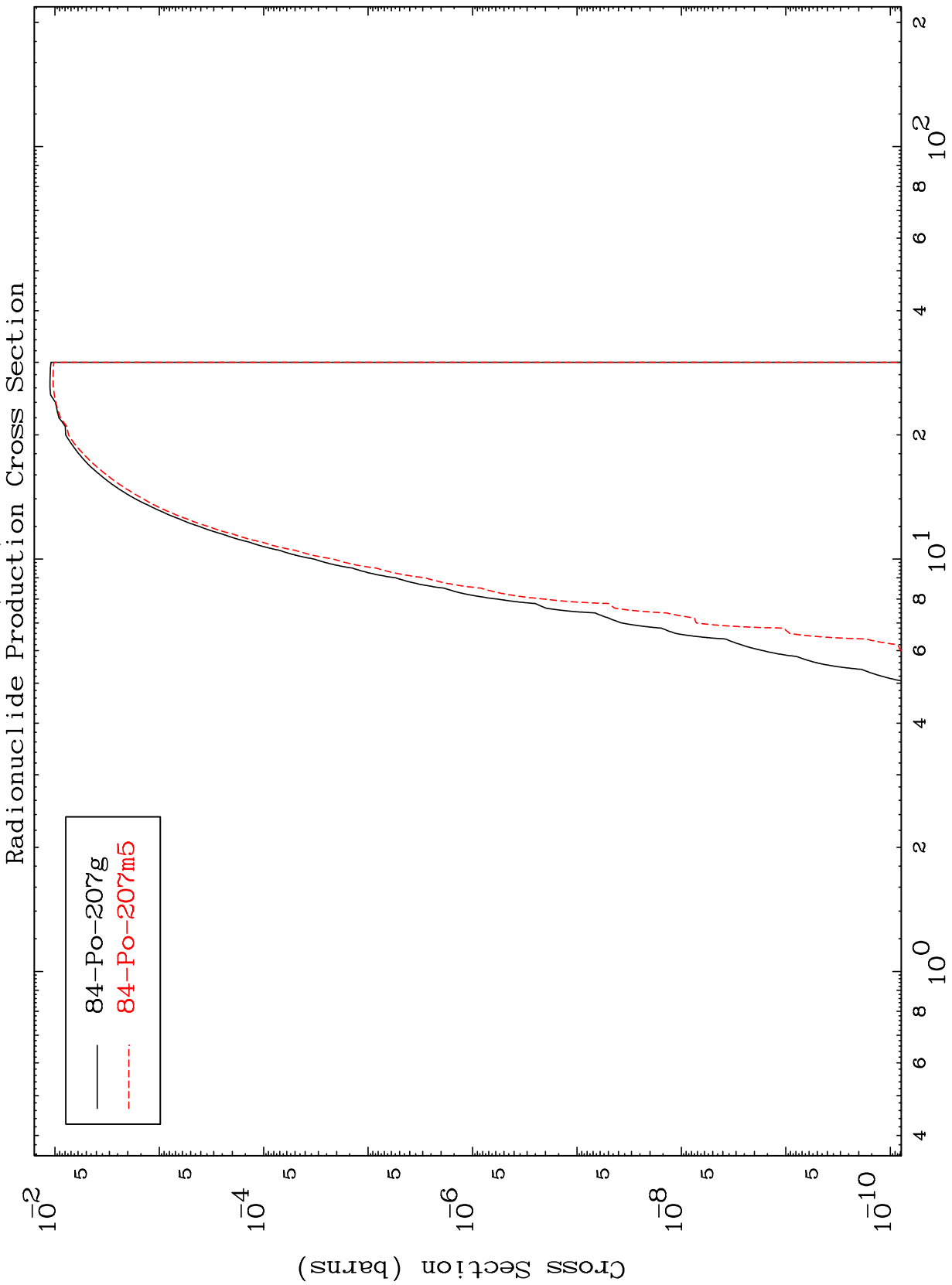
Incident Energy (MeV)

85-At-208

MAT 8540

(n,d)

85-At-208



105

Incident Energy (MeV)

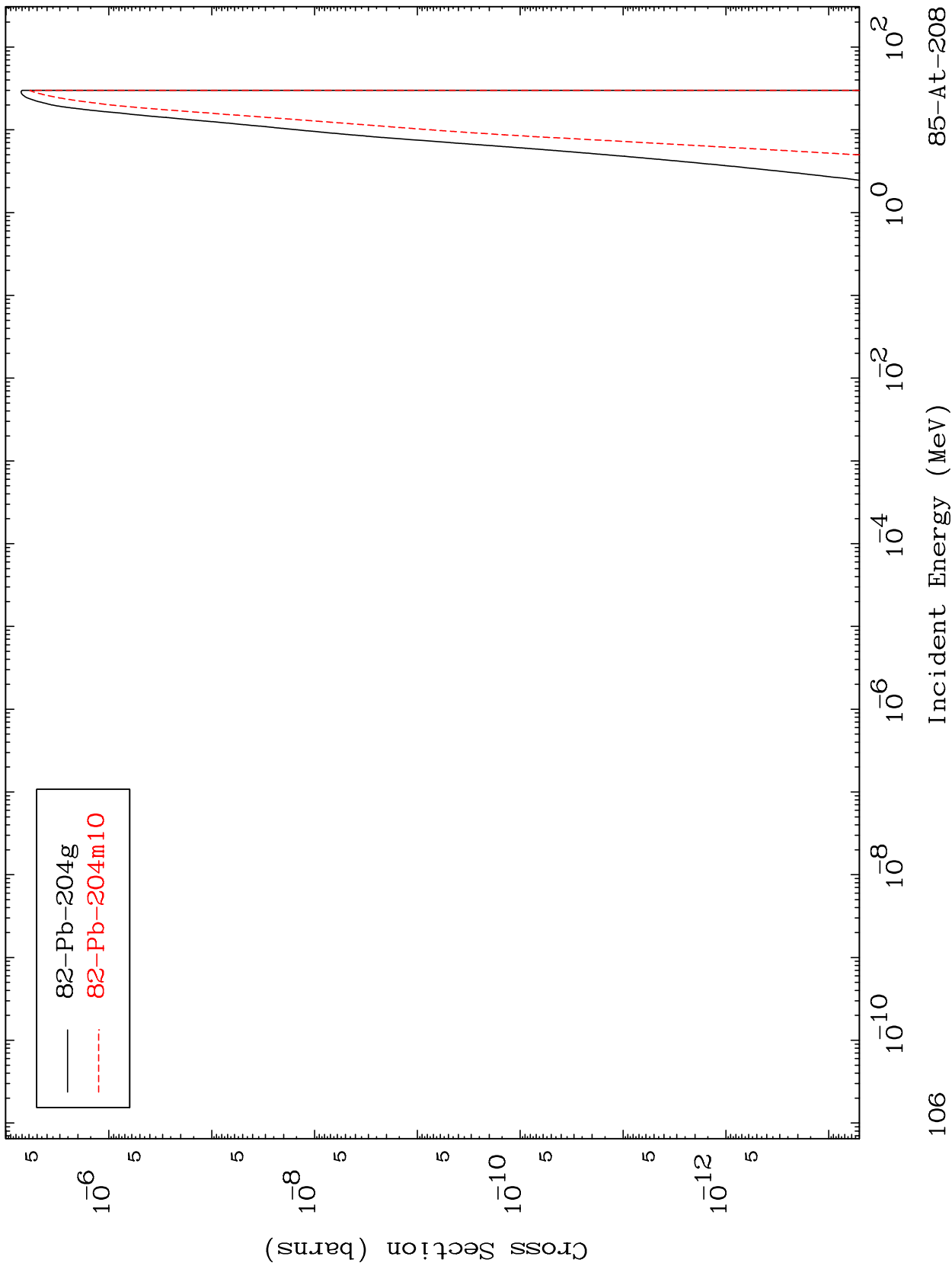
85-At-208

MAT 8540

(n,p) α

85-At-208

Radionuclide Production Cross Section



106

Incident Energy (MeV)

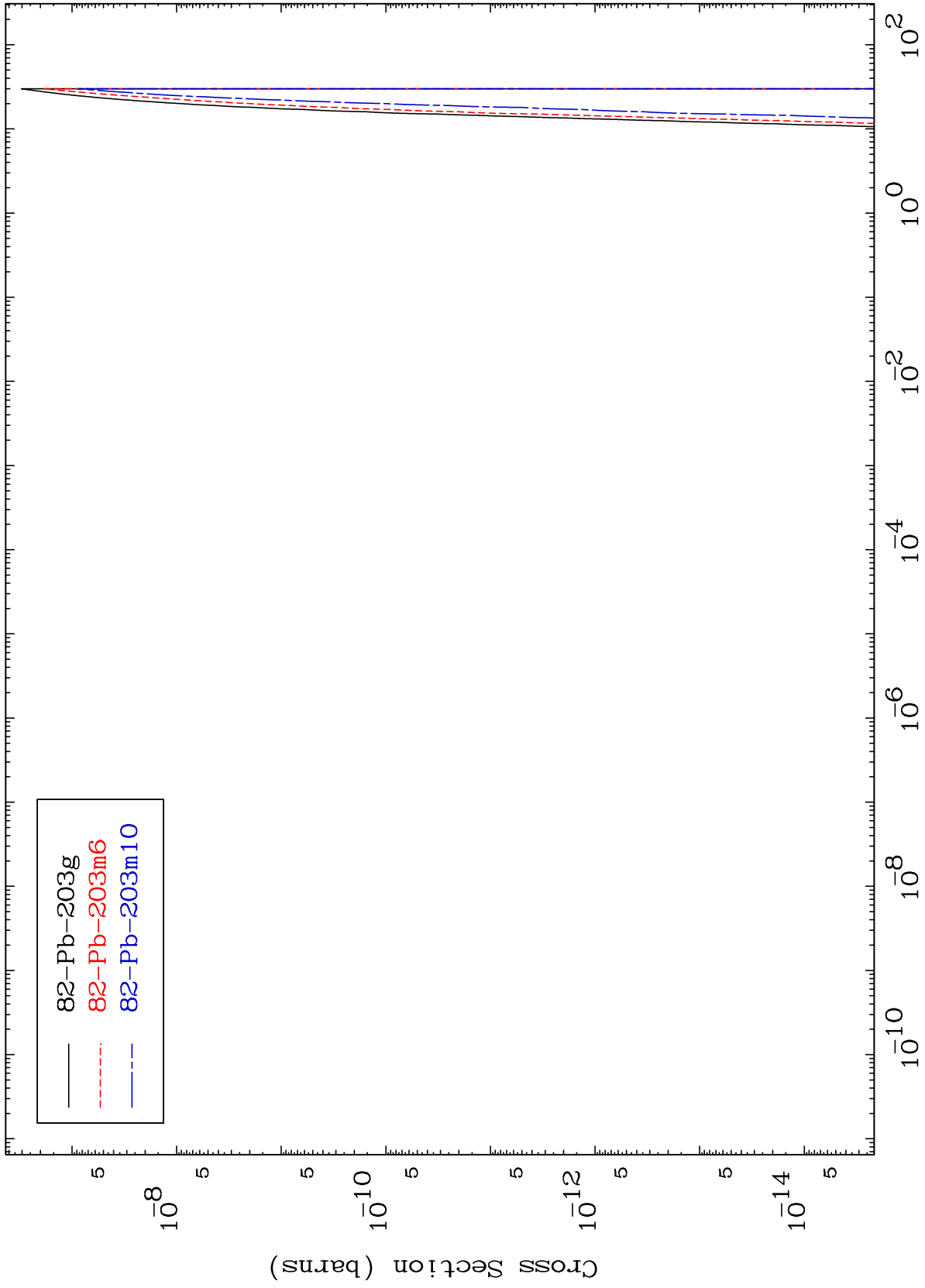
85-At-208

MAT 8540

(n,d) α

85-At-208

Radionuclide Production Cross Section



107

Incident Energy (MeV)

85-At-208