

Program EVALPLOT  
(Version 2017-1)

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

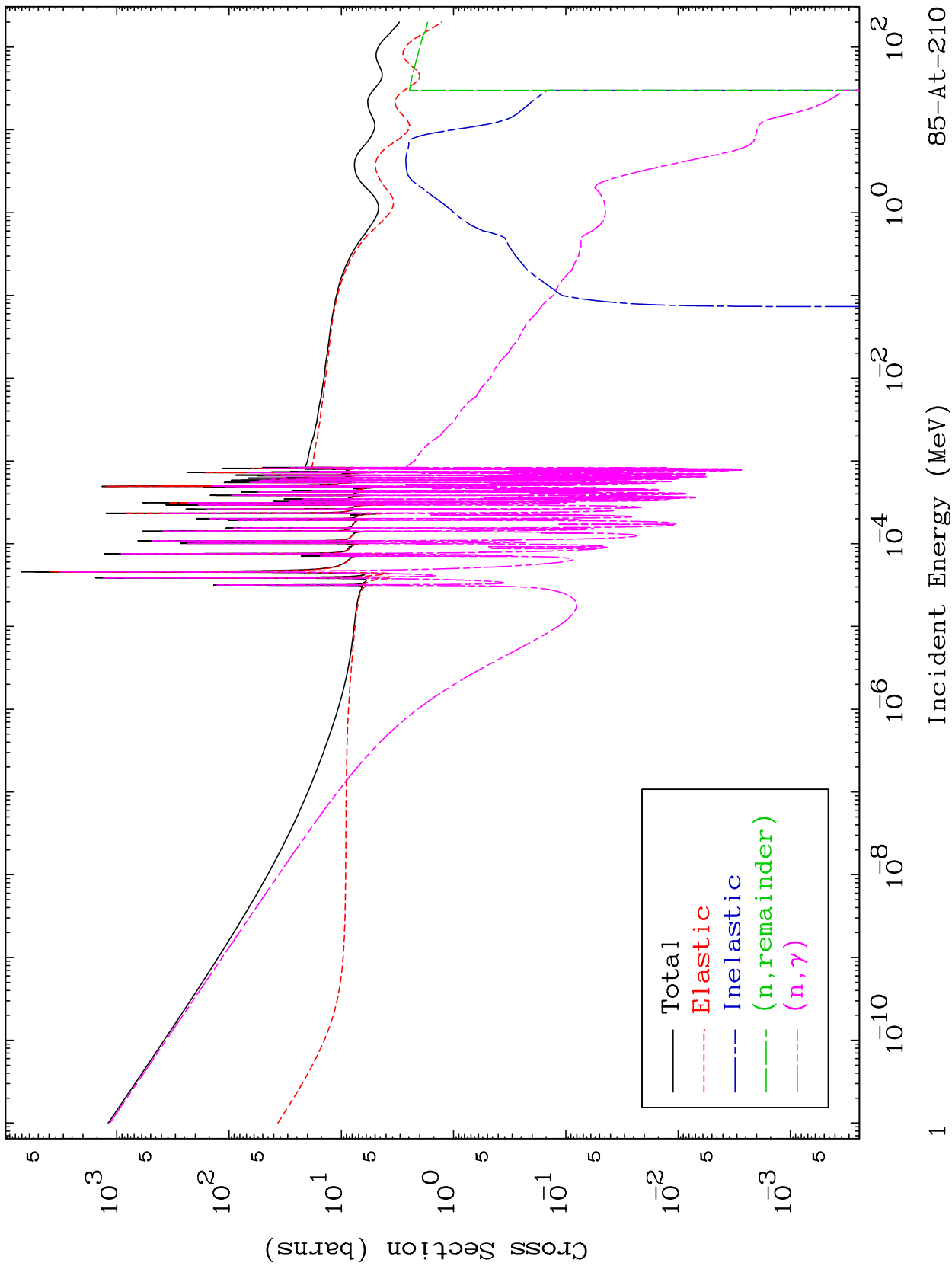
Press Mouse Button to Start

MAT 8546

Major

293 Kelvin Cross Sections

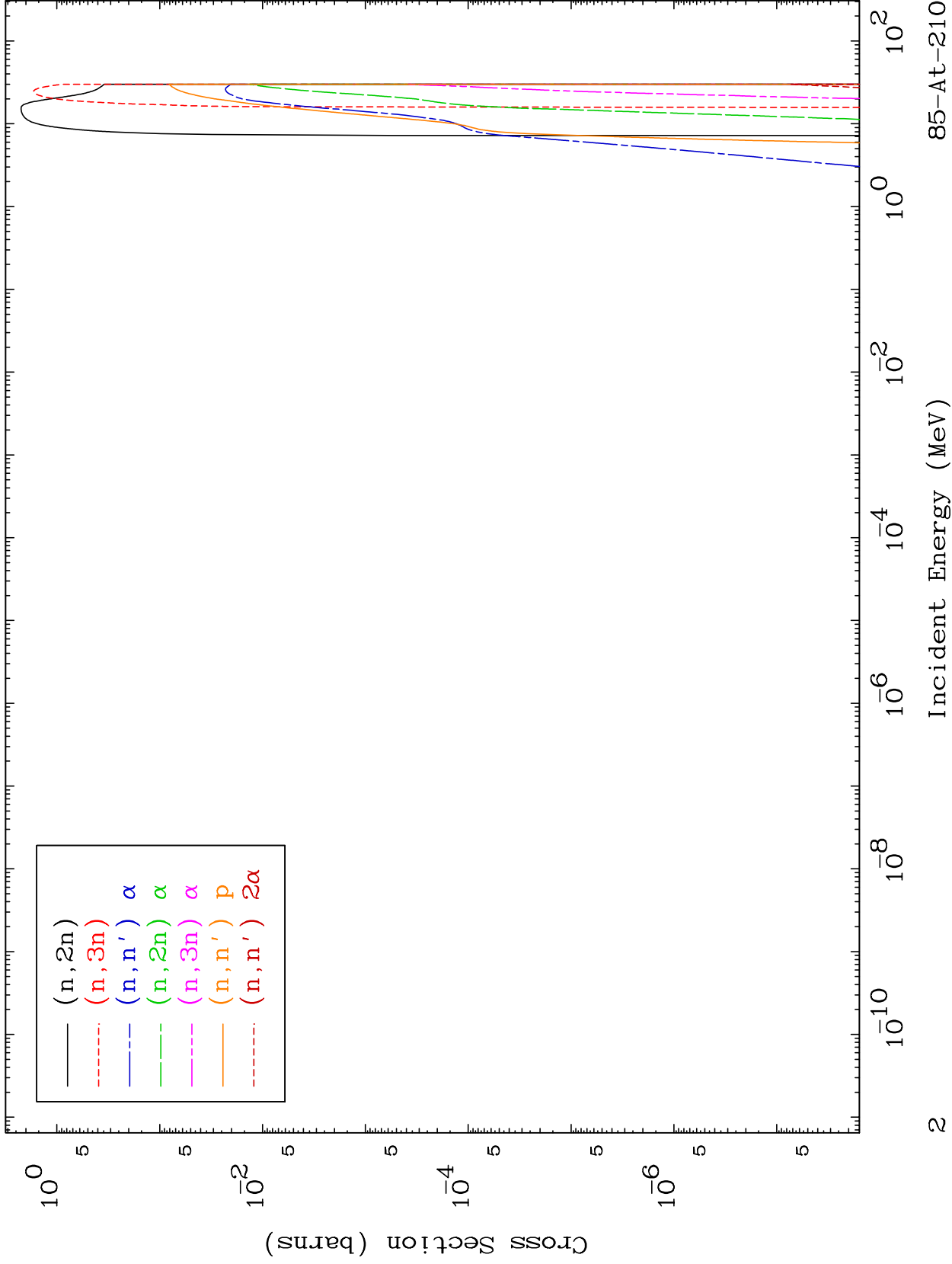
85-At-210

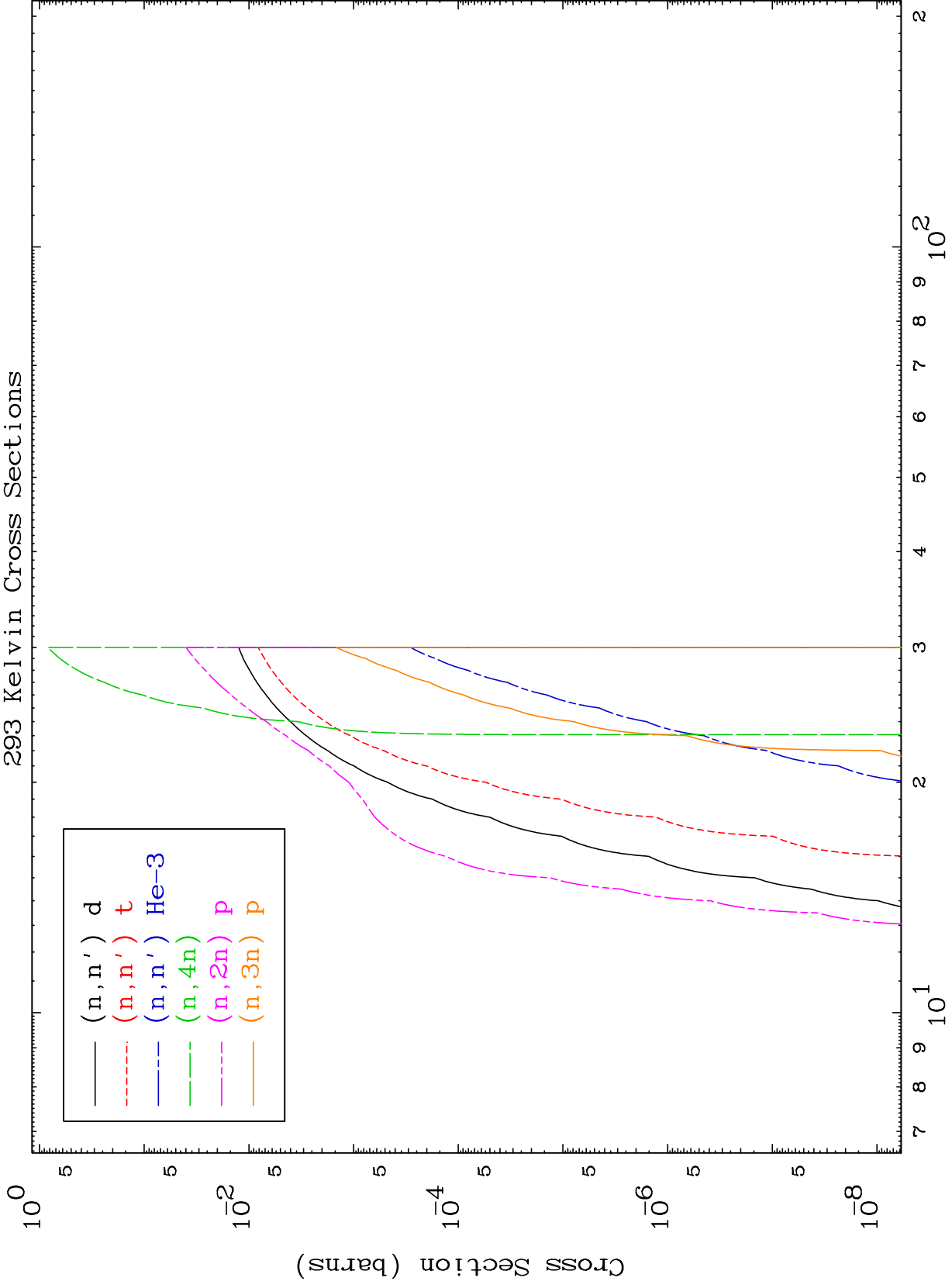


MAT 8546

Neutron Production  
293 Kelvin Cross Sections

85-At-210

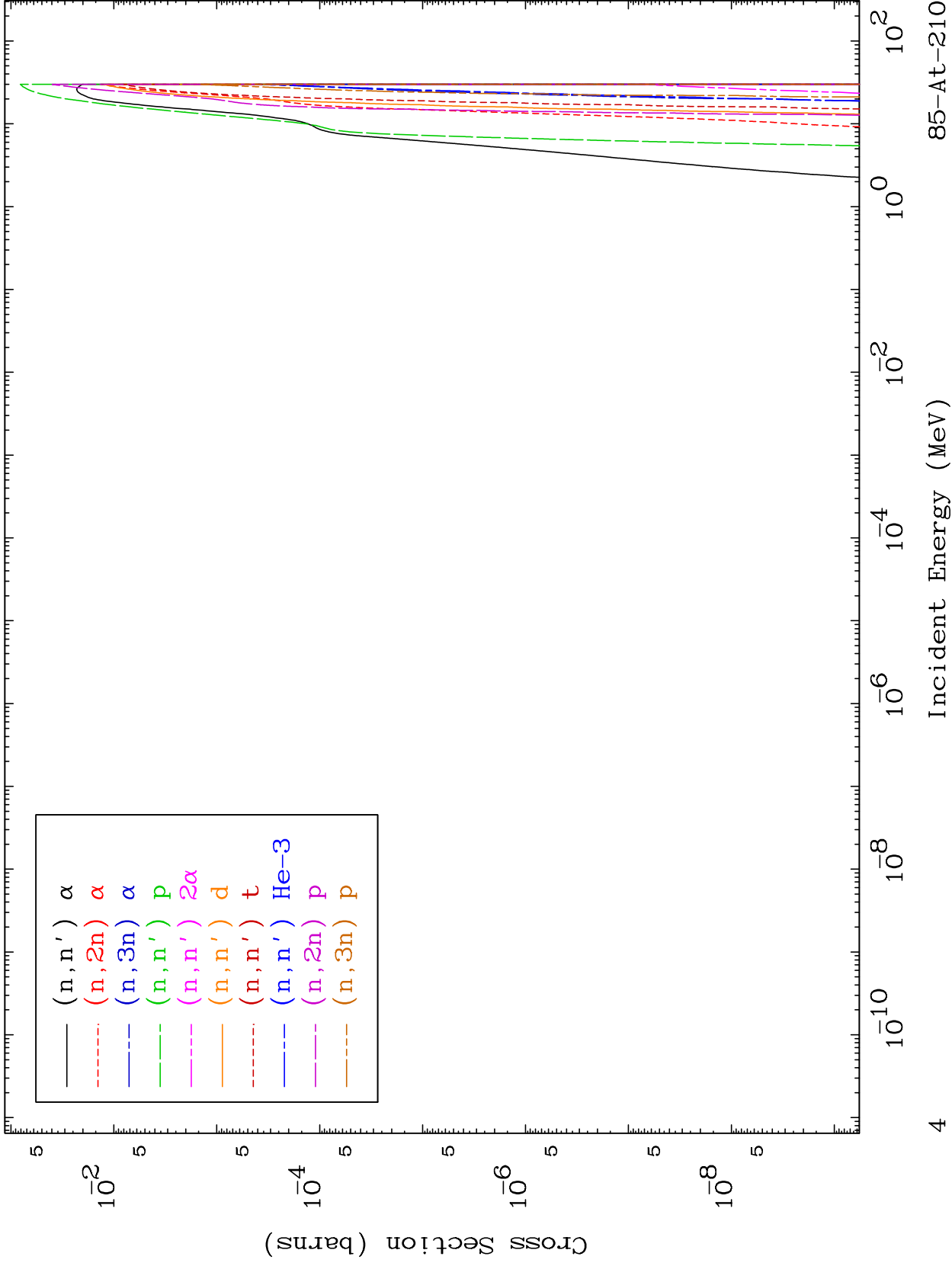




MAT 8546

Charged Particle  
293 Kelvin Cross Sections

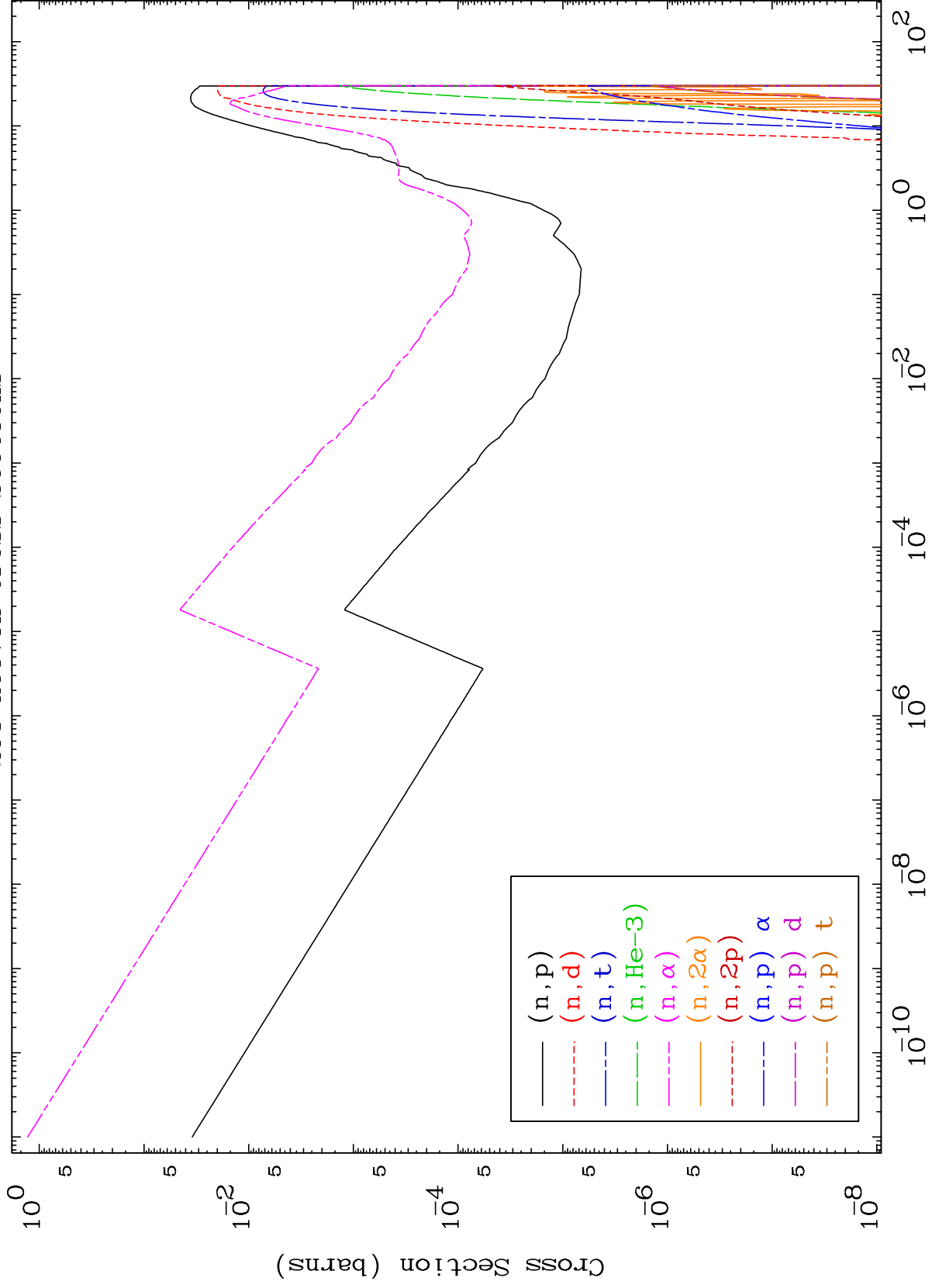
85-At-210



MAT 8546

Charged Particle  
293 Kelvin Cross Sections

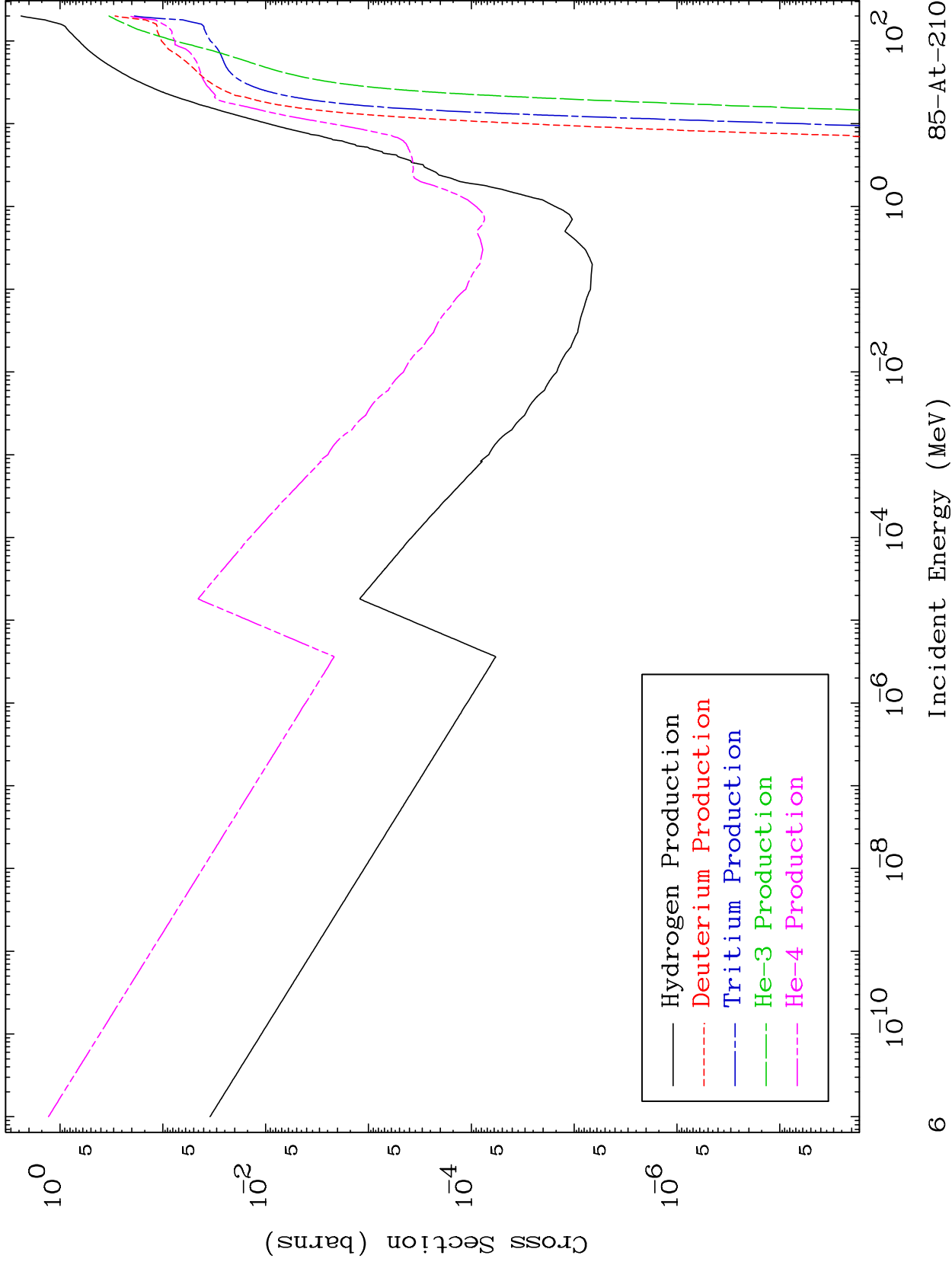
85-At-210



MAT 8546

Particle Production  
293 Kelvin Cross Sections

85-At-210

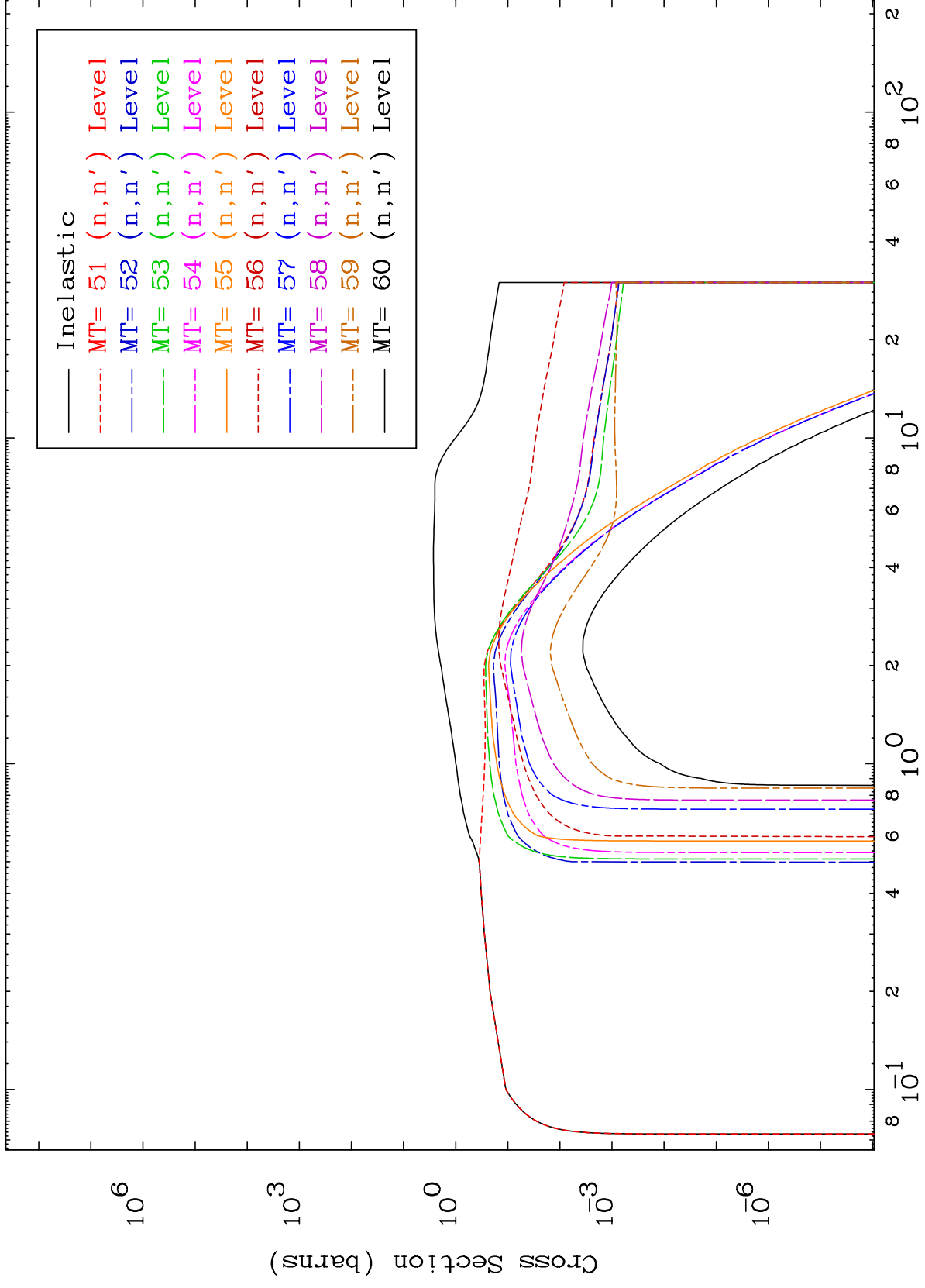


MAT 8546

(n,n') Level

85-At-210

293 Kelvin Cross Sections



7

Incident Energy (MeV)

85-At-210

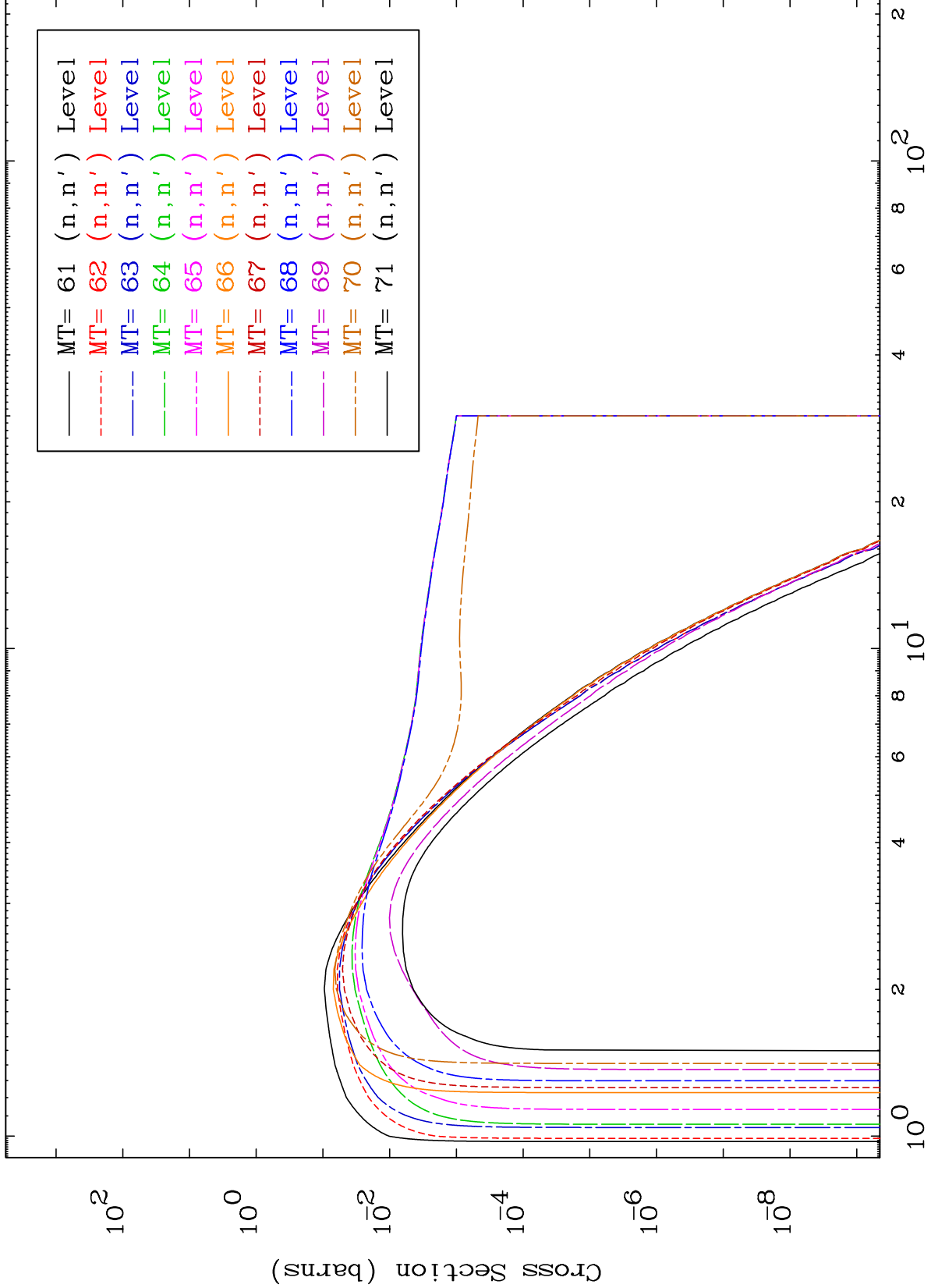


MAT 8546

(n,n') Level

85-At-210

293 Kelvin Cross Sections



Incident Energy (MeV)

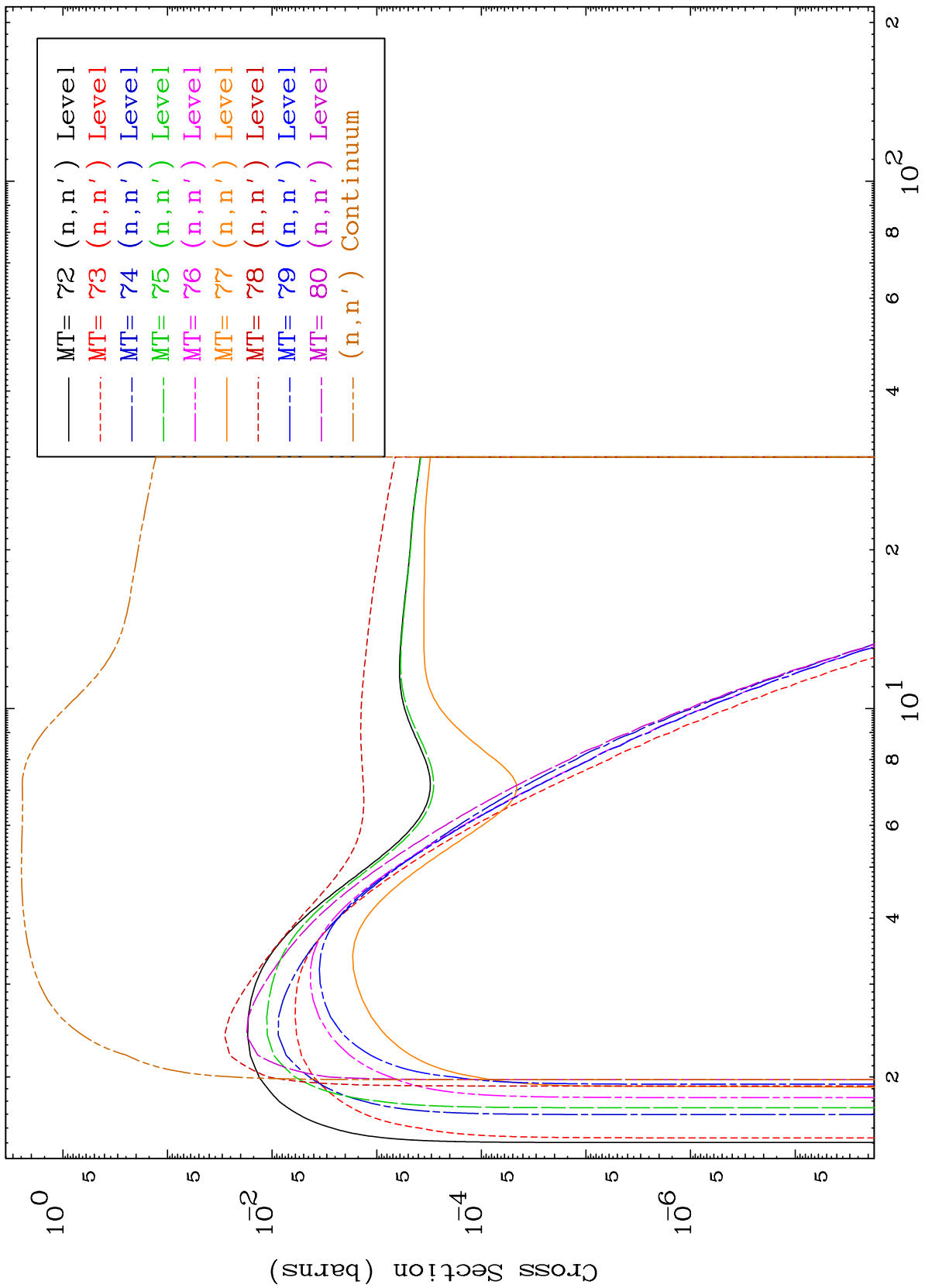
85-At-210

MAT 8546

(n,n') Level

85-At-210

293 Kelvin Cross Sections



9

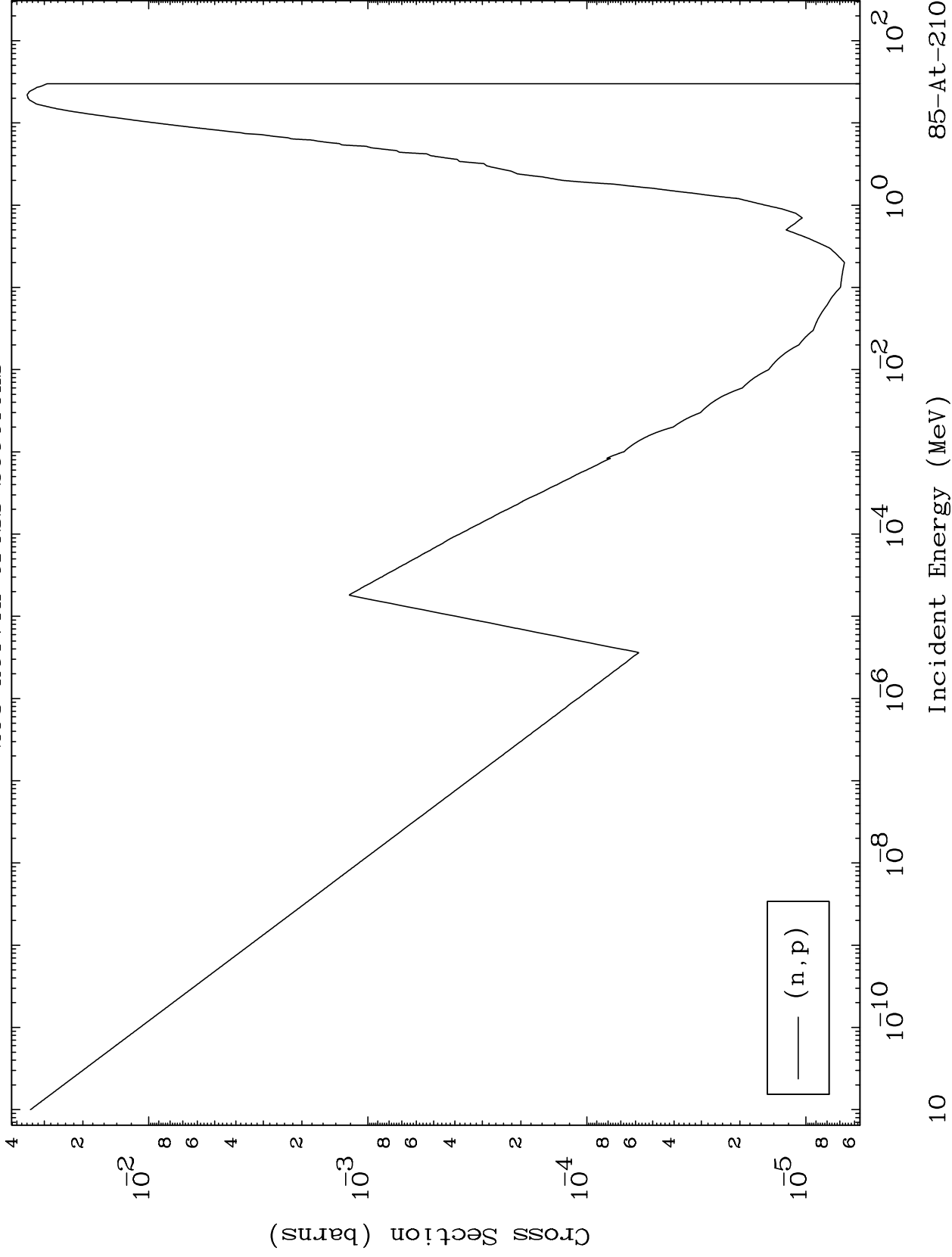
Incident Energy (MeV)

85-At-210

MAT 8546

(n,p) Levels  
293 Kelvin Cross Sections

85-At-210



10

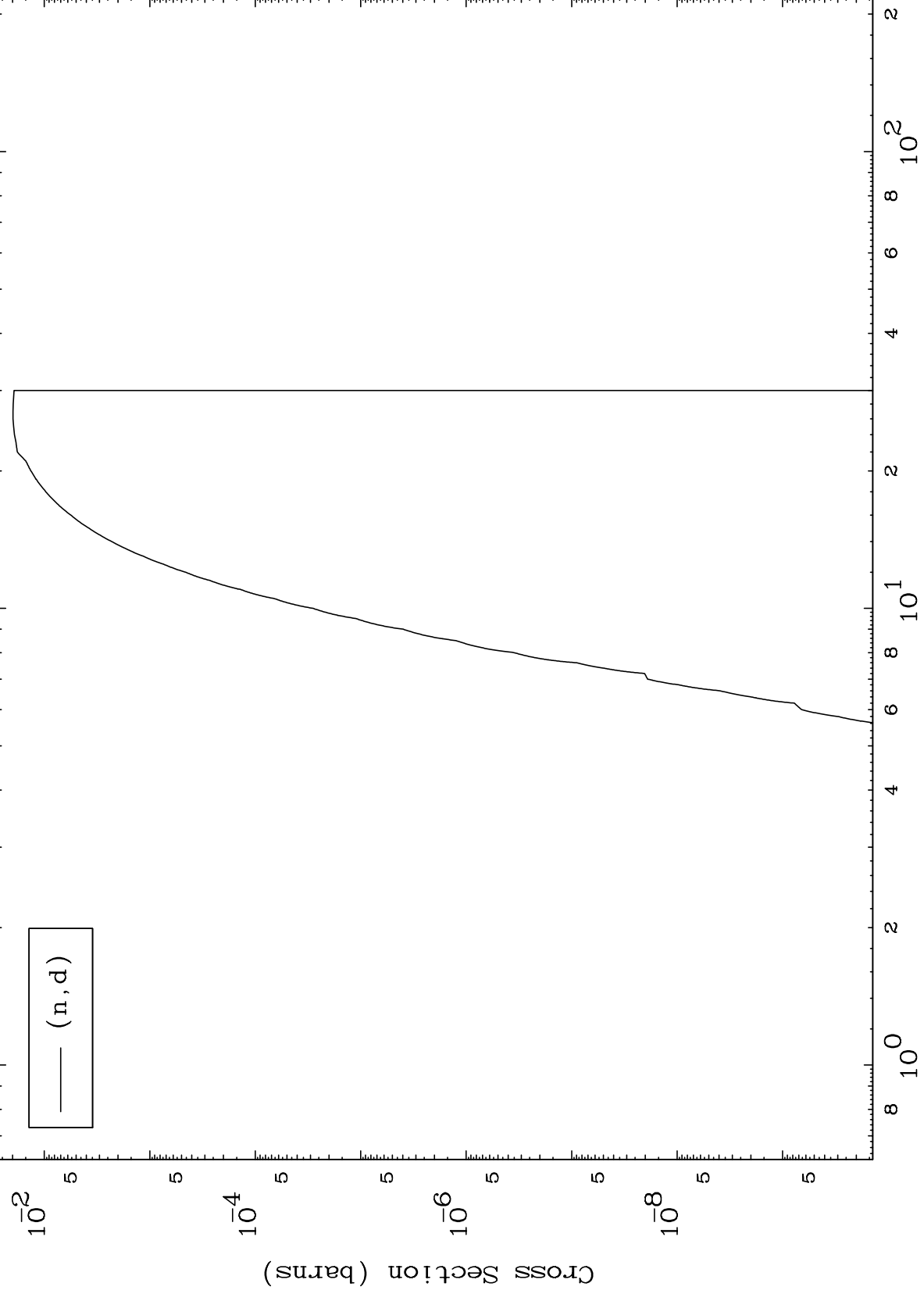
Incident Energy (MeV)

85-At-210

MAT 8546

(n,d) Levels  
293 Kelvin Cross Sections

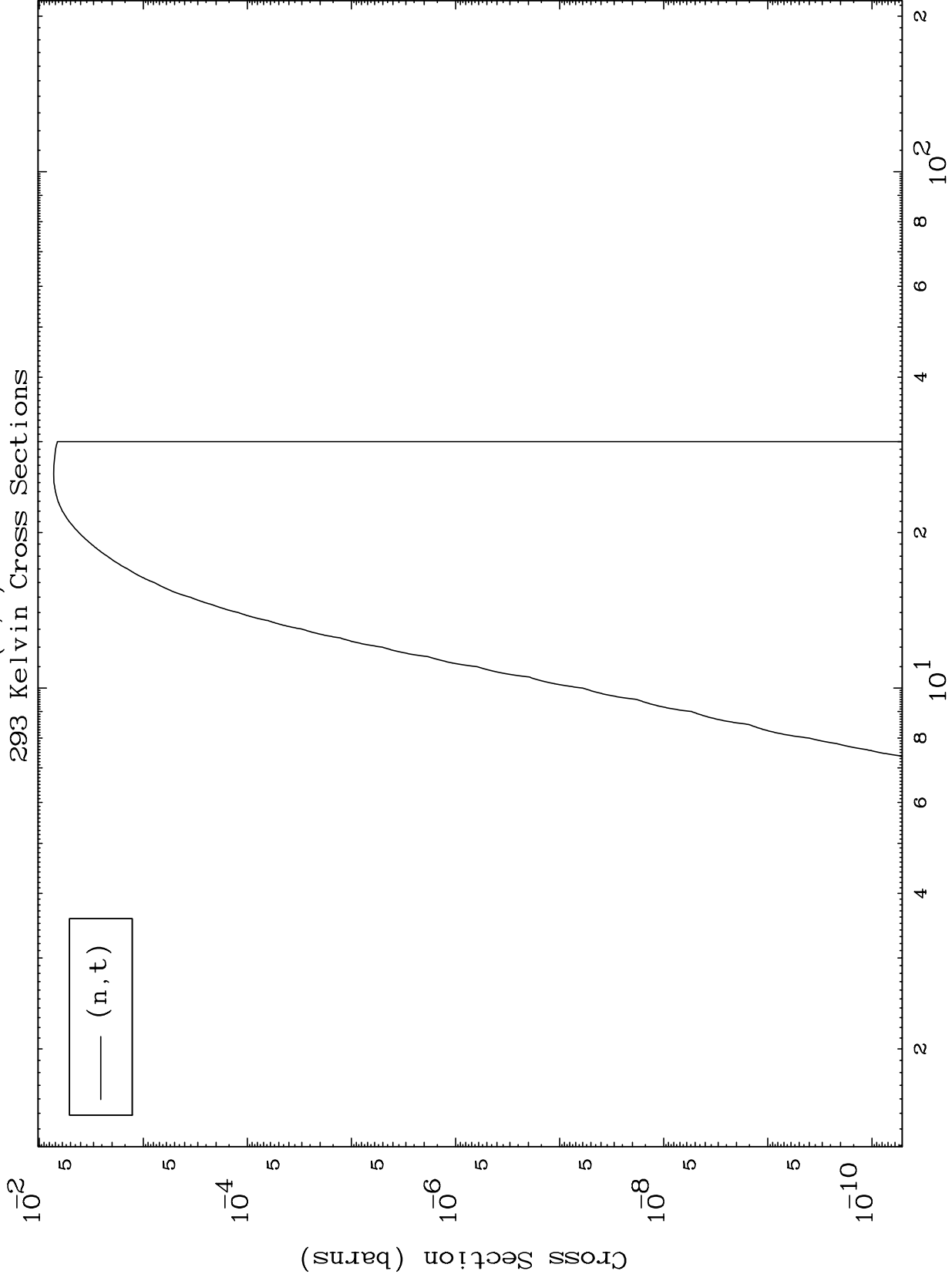
85-At-210



MAT 8546

(n,t) Levels  
293 Kelvin Cross Sections

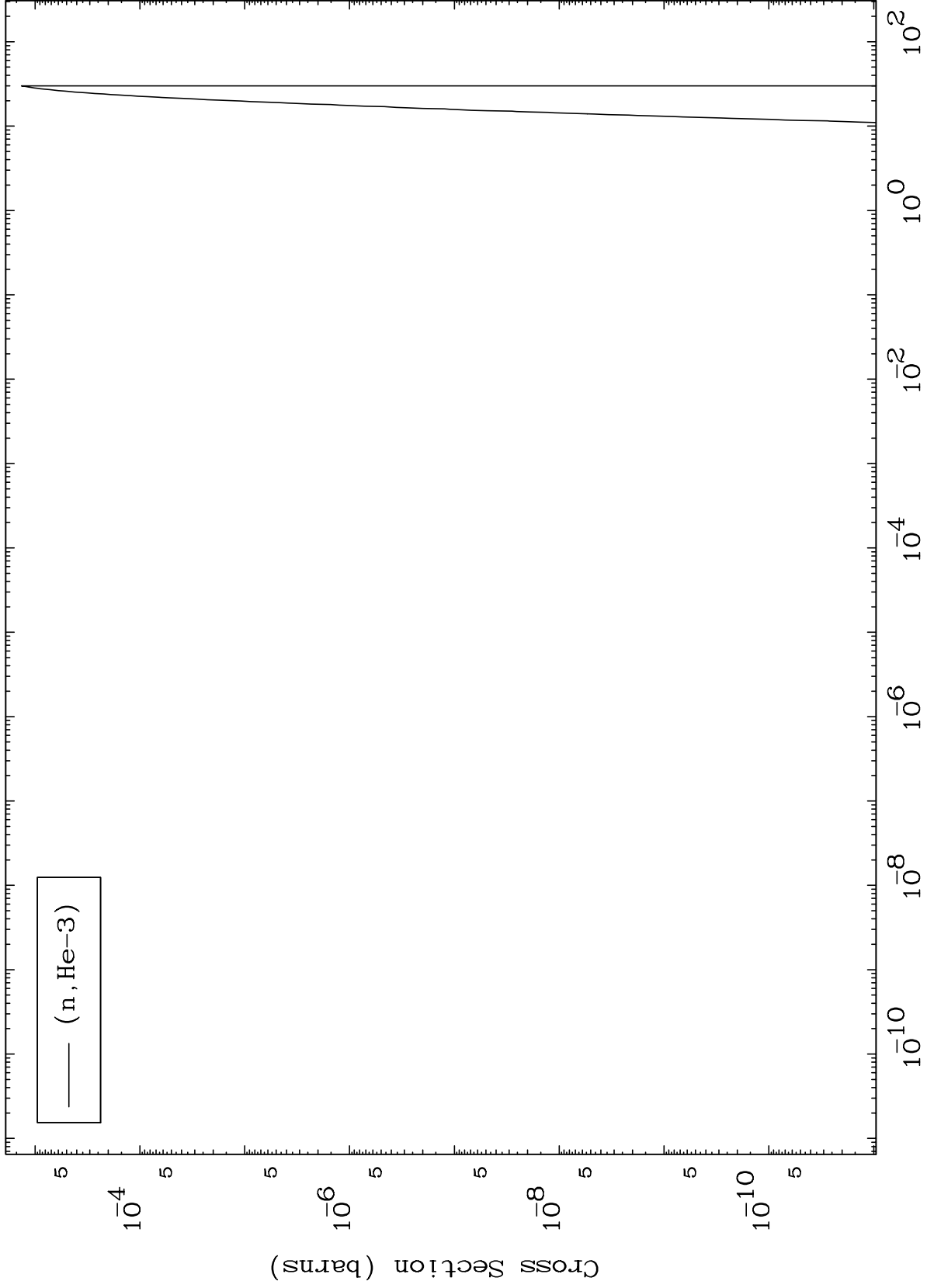
85-At-210



MAT 8546

(n,He3) Levels  
293 Kelvin Cross Sections

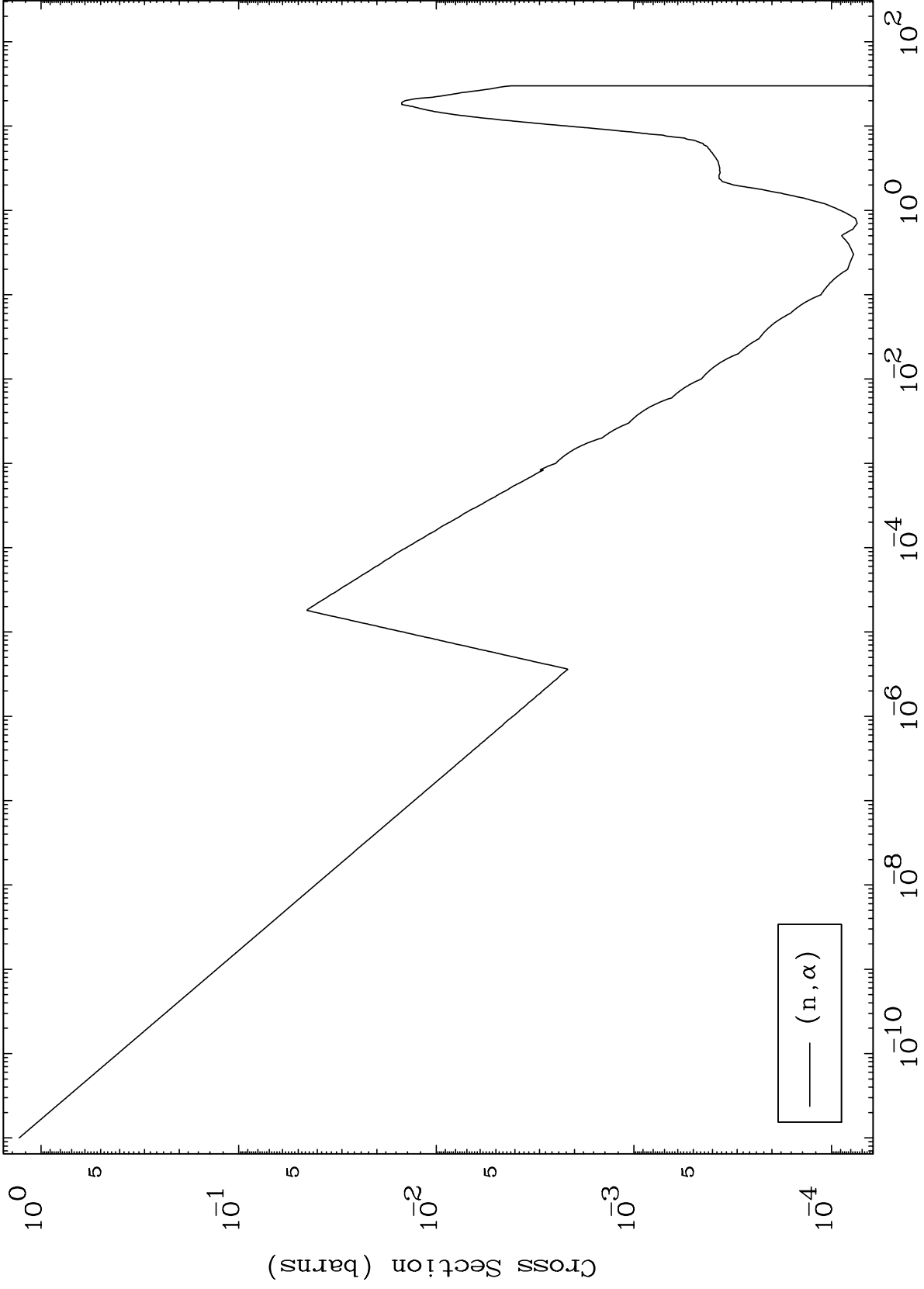
85-At-210



MAT 8546

(n,α) Levels  
293 Kelvin Cross Sections

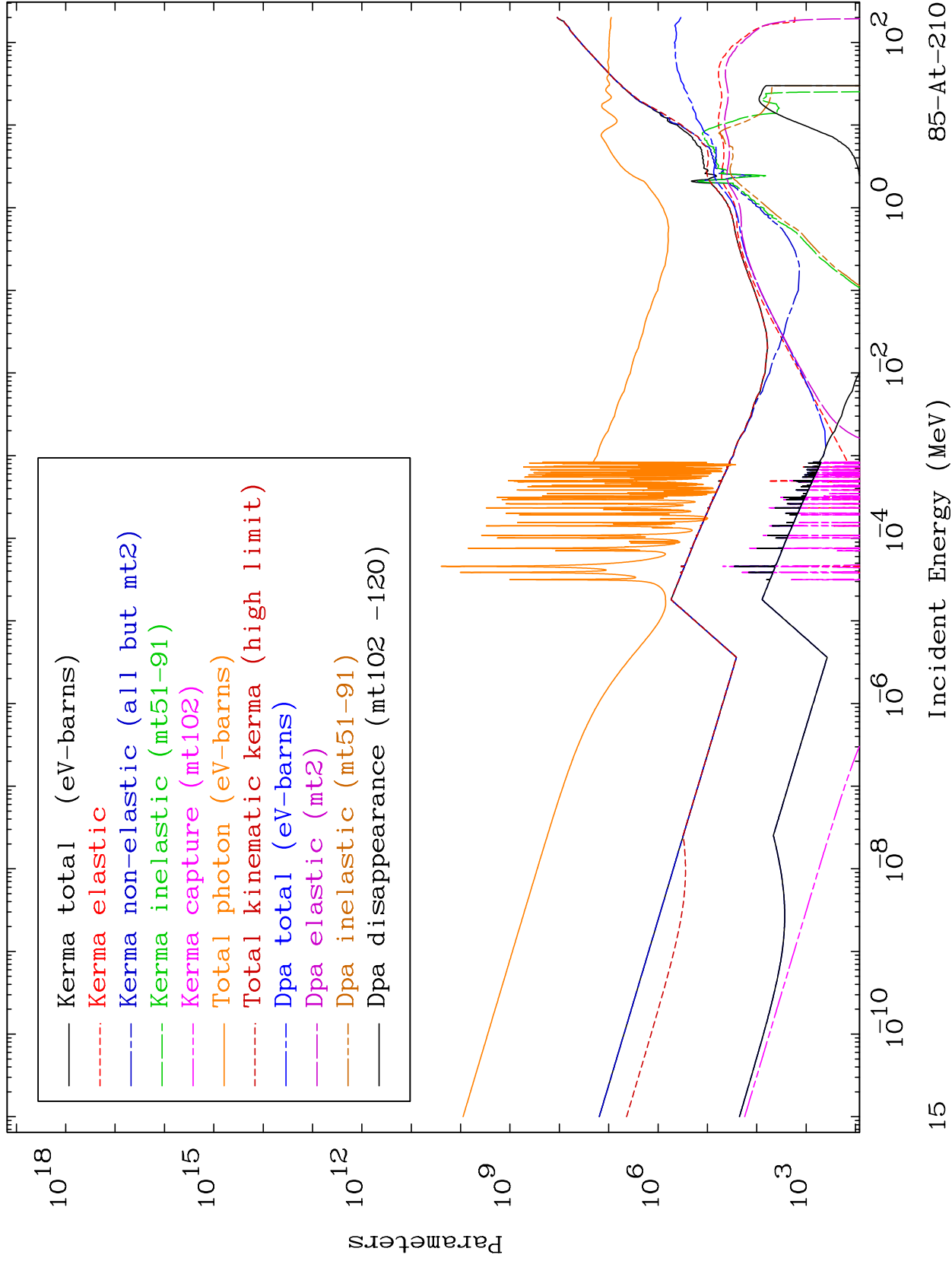
85-At-210



14

Incident Energy (MeV)

85-At-210

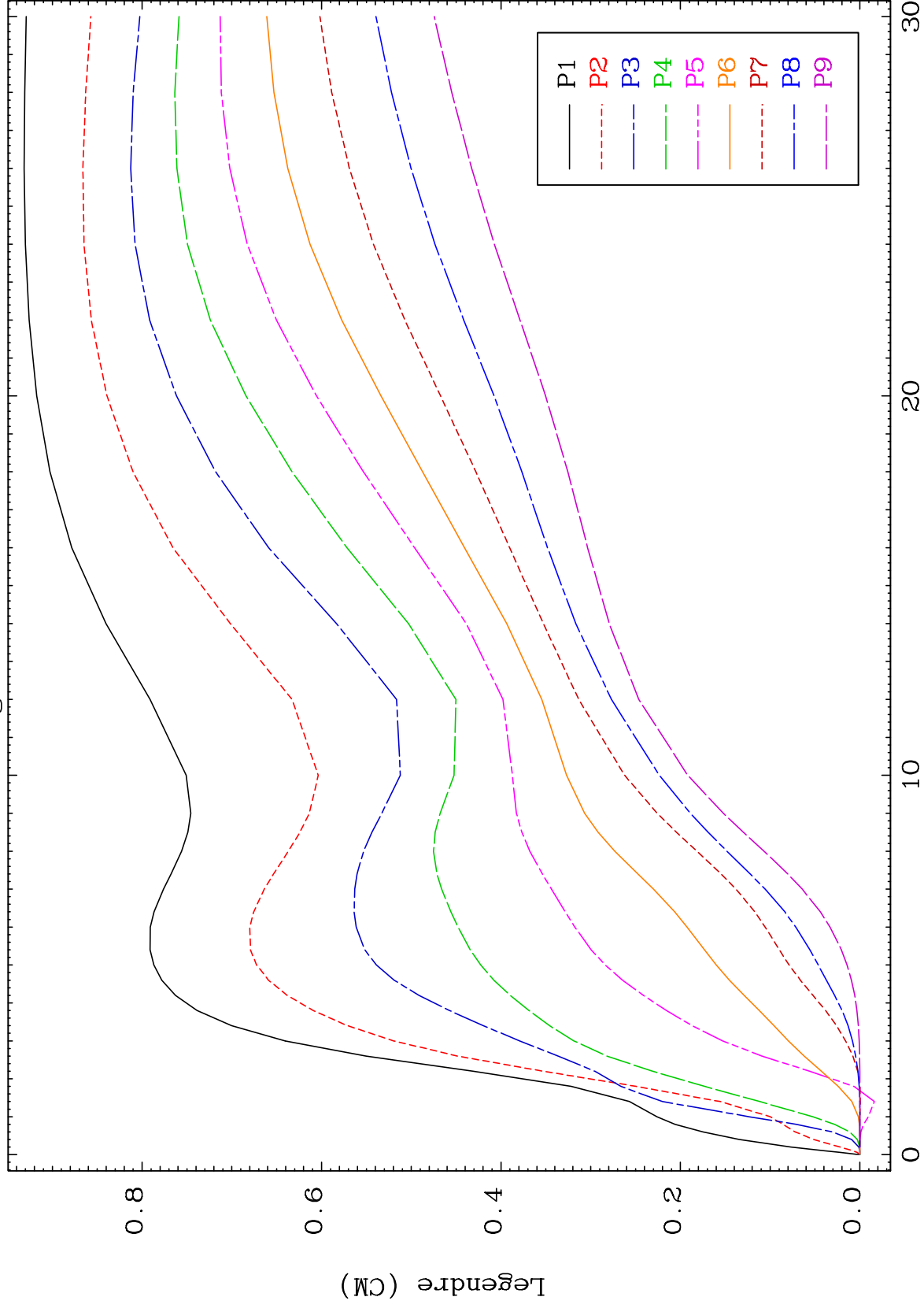




MAT 8546

Elastic Legendre Coefficients

85-At-210



16

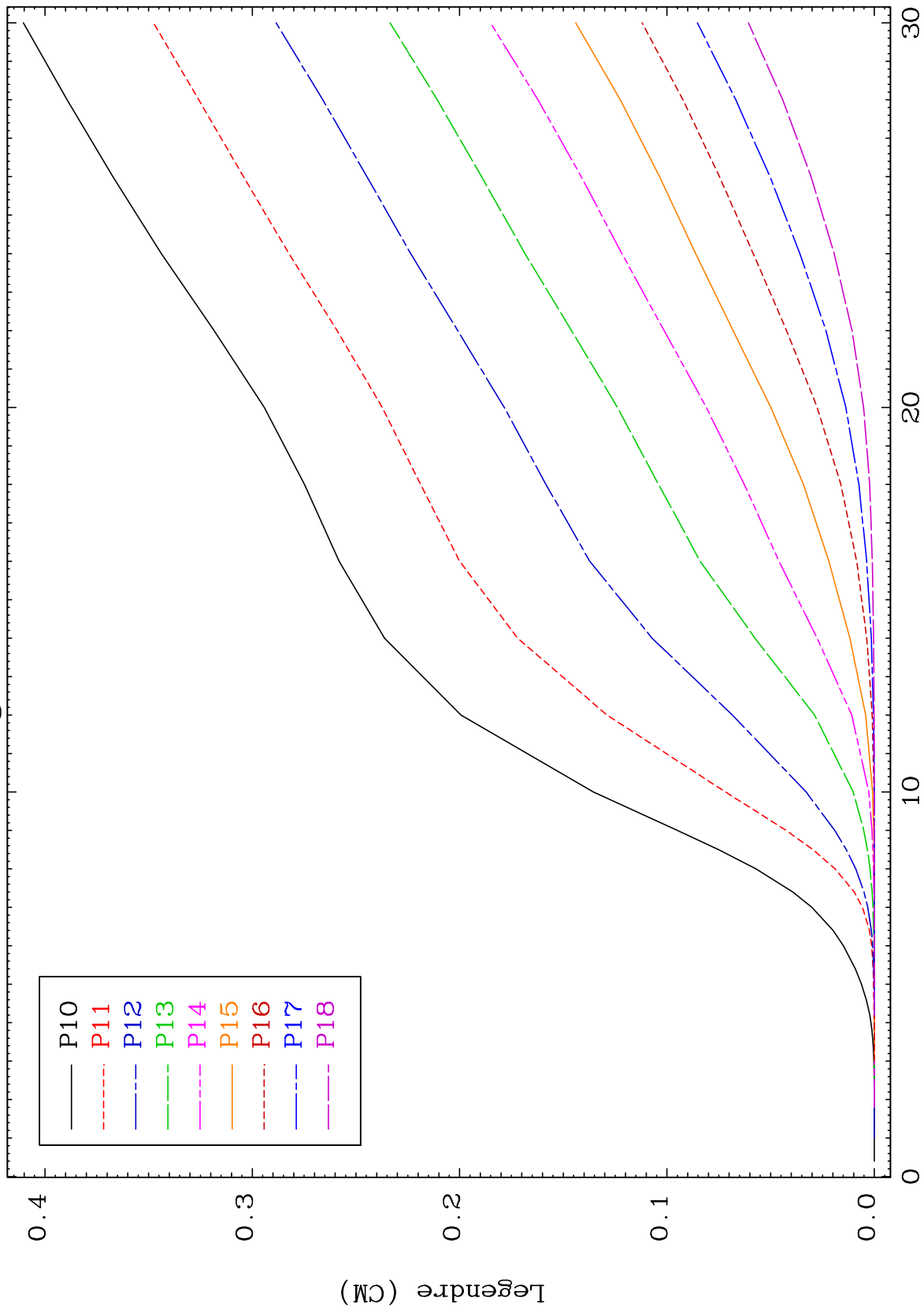
Incident Energy (MeV)

85-At-210

MAT 8546

Elastic Legendre Coefficients

85-At-210



17

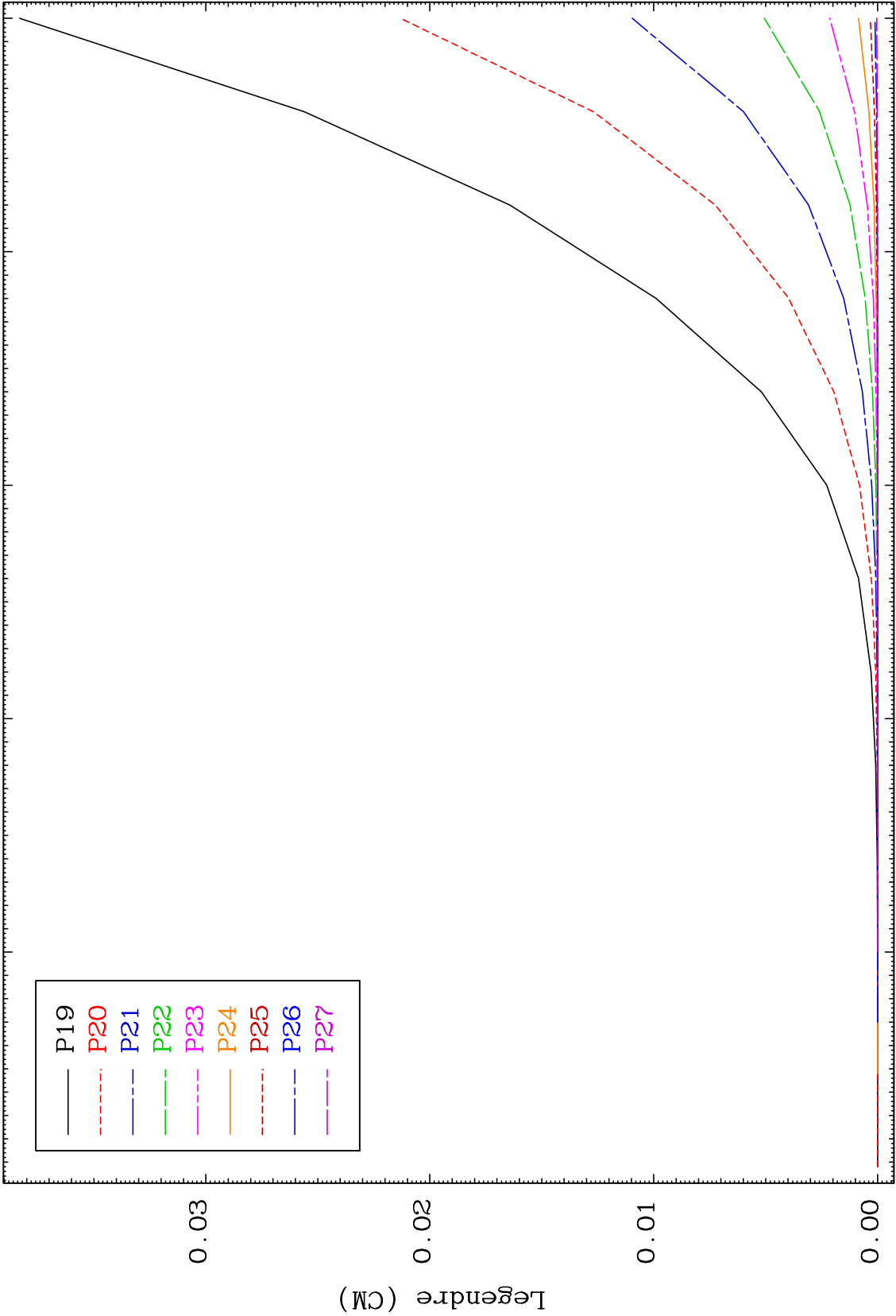
Incident Energy (MeV)

85-At-210

MAT 8546

Elastic Legendre Coefficients

85-At-210



18

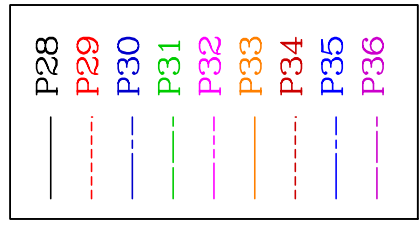
Incident Energy (MeV)

85-At-210

MAT 8546

Elastic  
Legendre Coefficients

85-At-210



$\times 10^{-5}$

Legendre (CM)

1.0

0.5

0.0

15

20

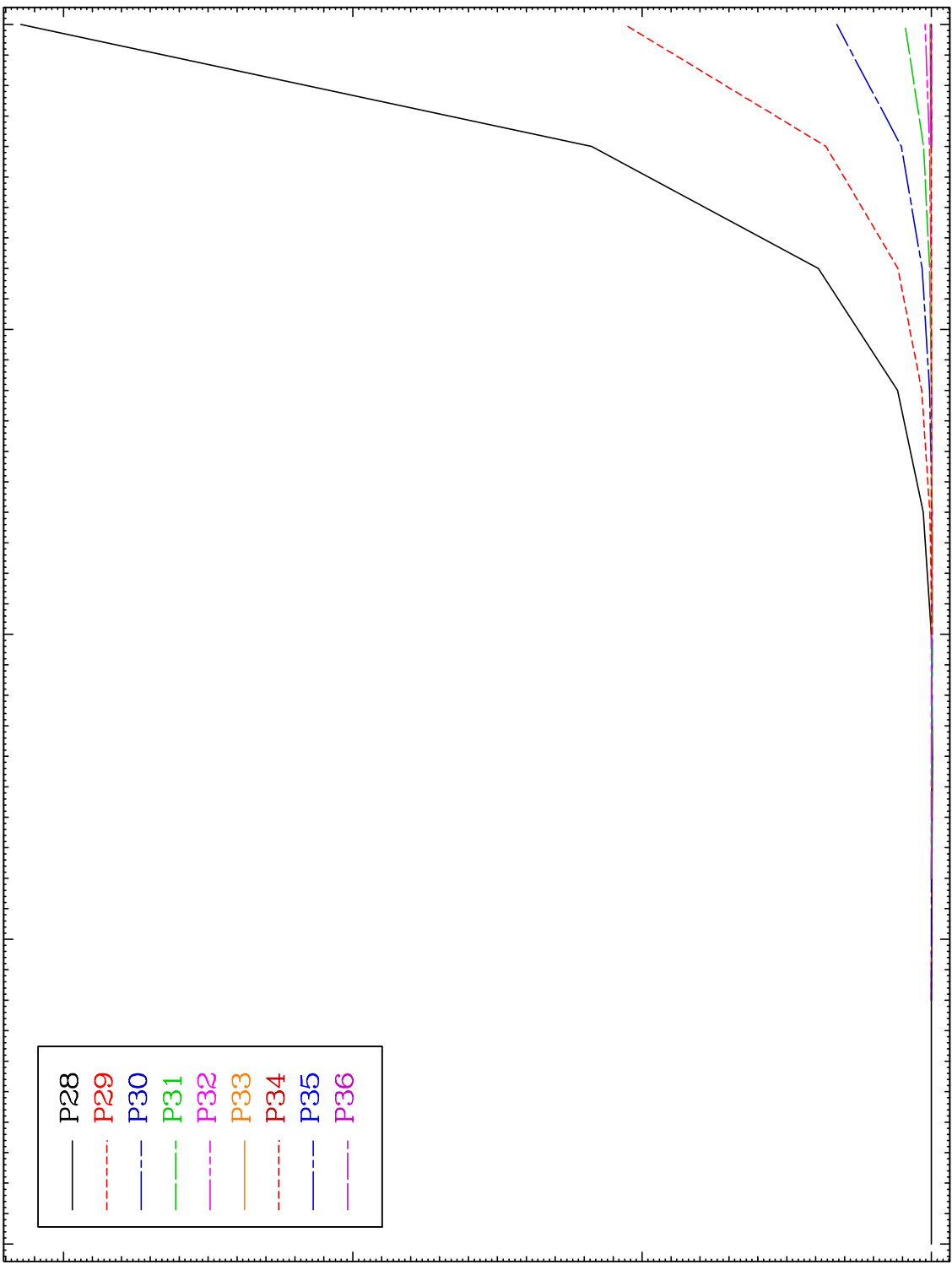
25

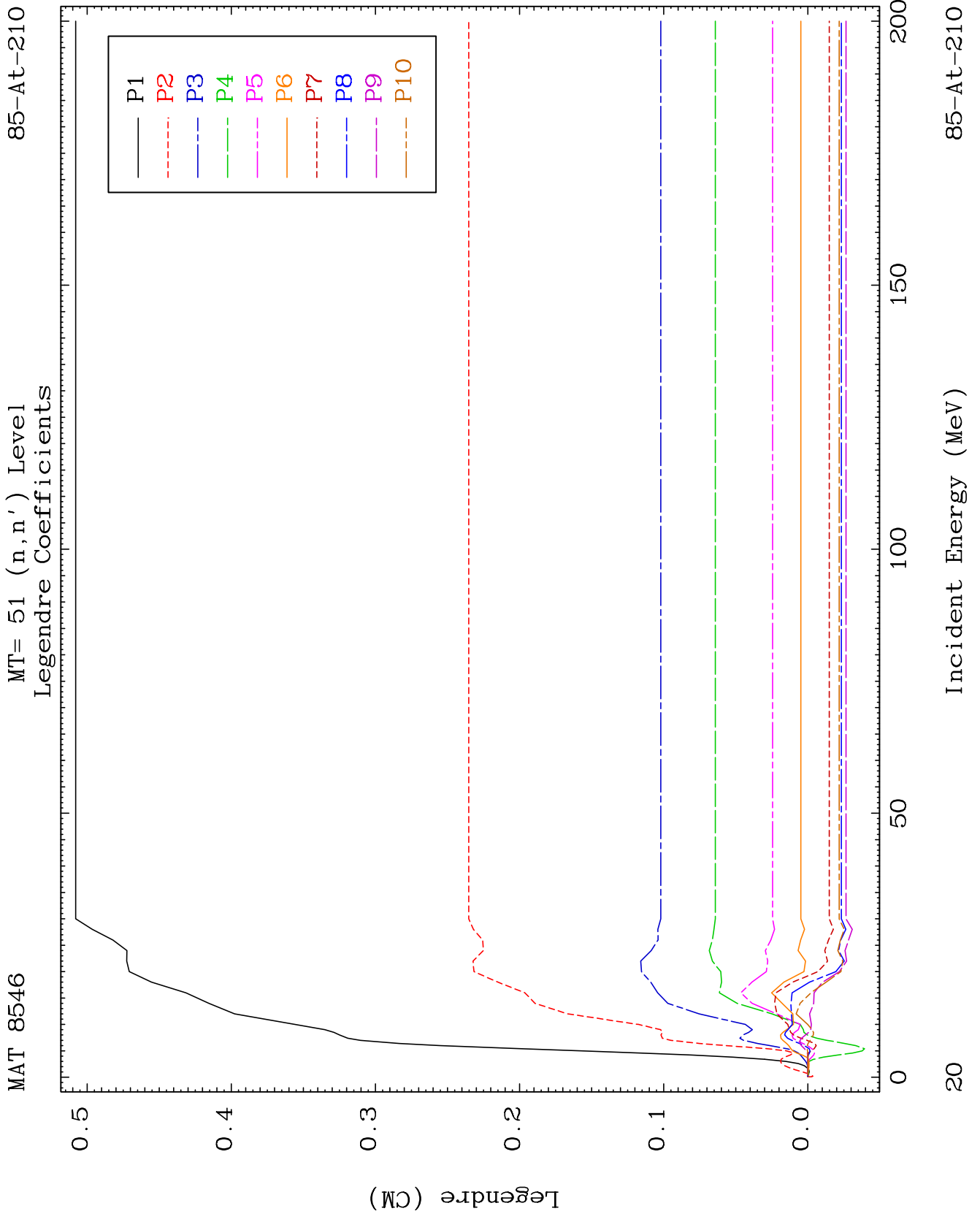
30

19

Incident Energy (MeV)

85-At-210

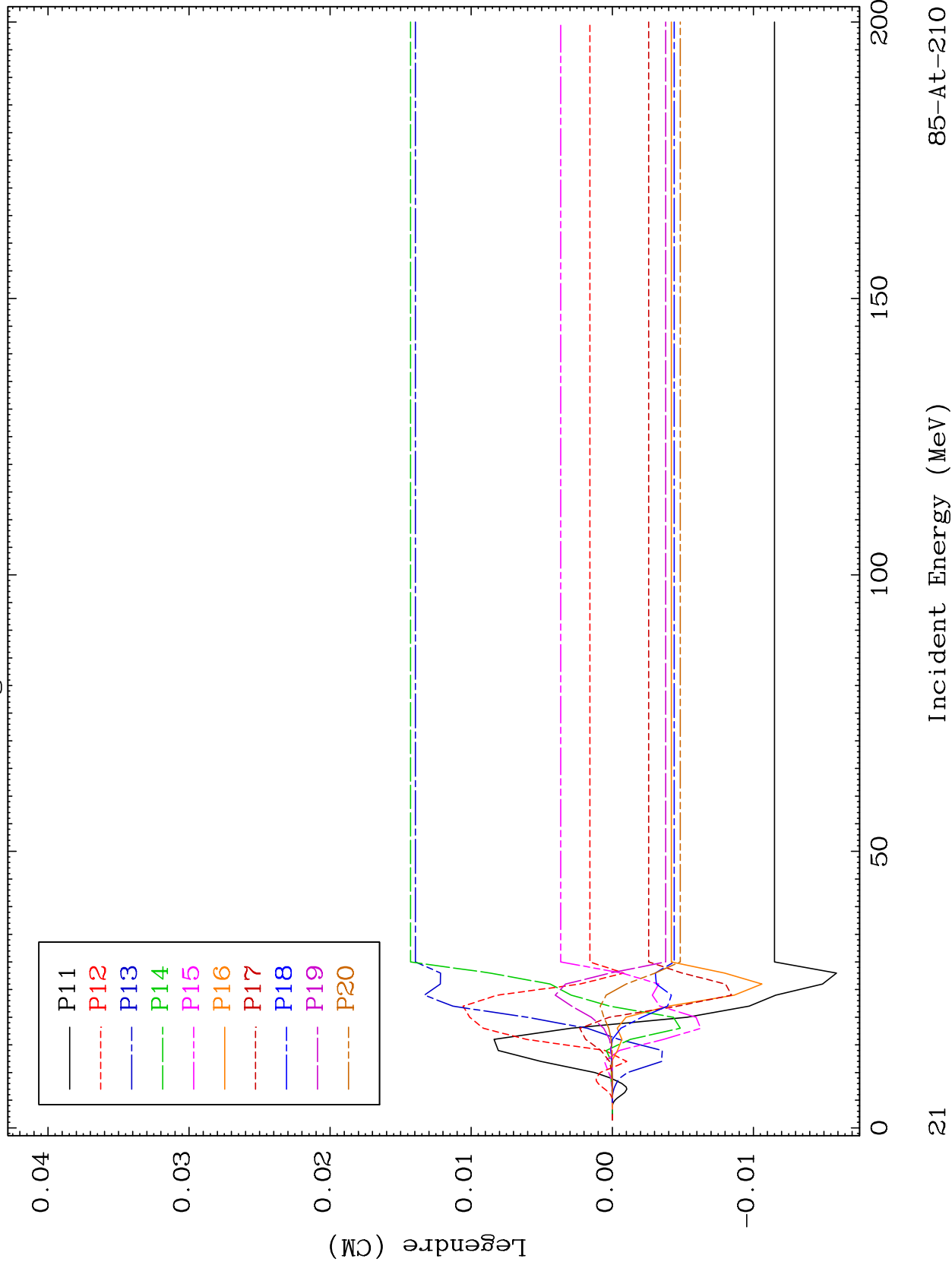




MAT 8546

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

85-At-210



21

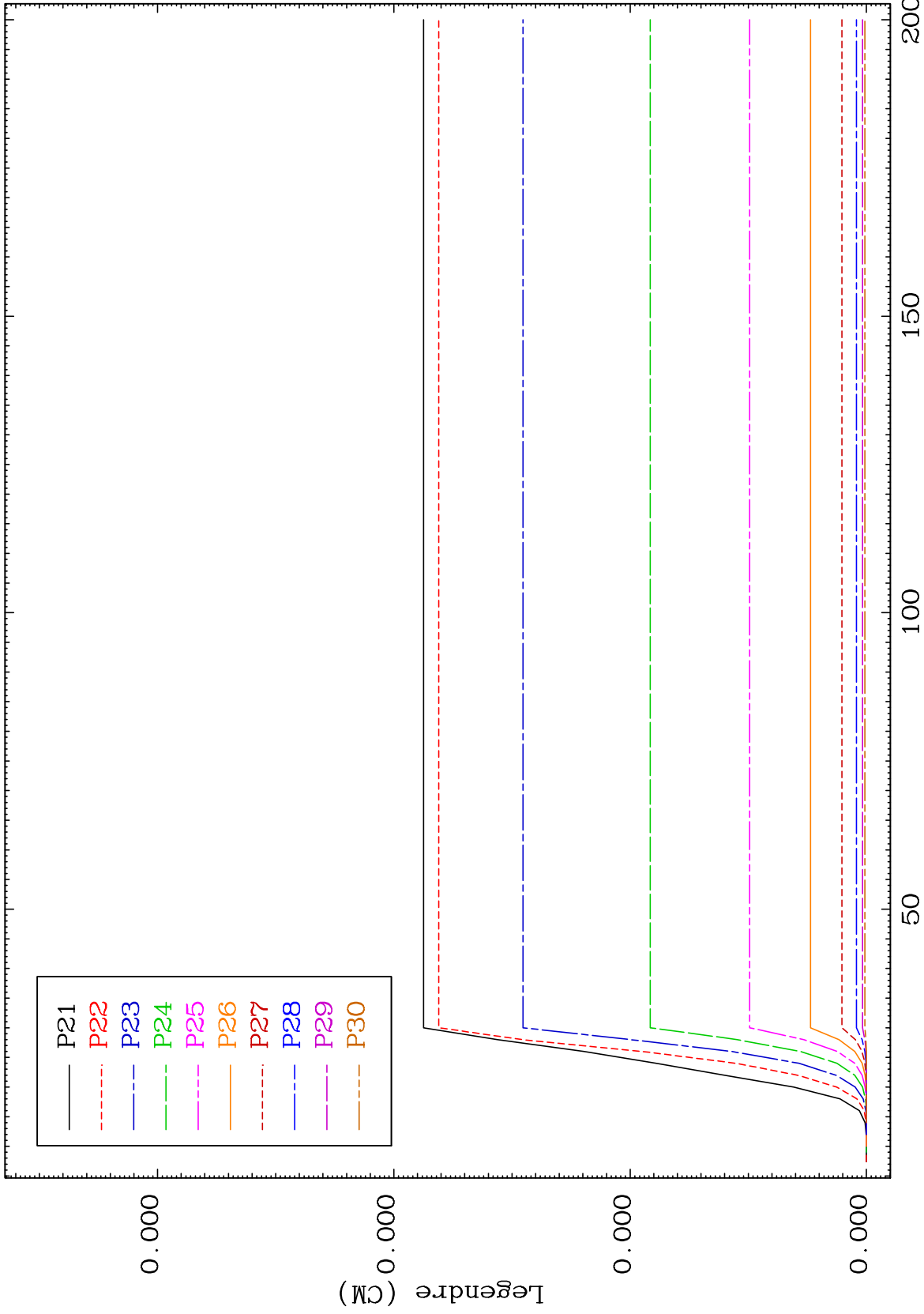
Incident Energy (MeV)

85-At-210

MAT 8546

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

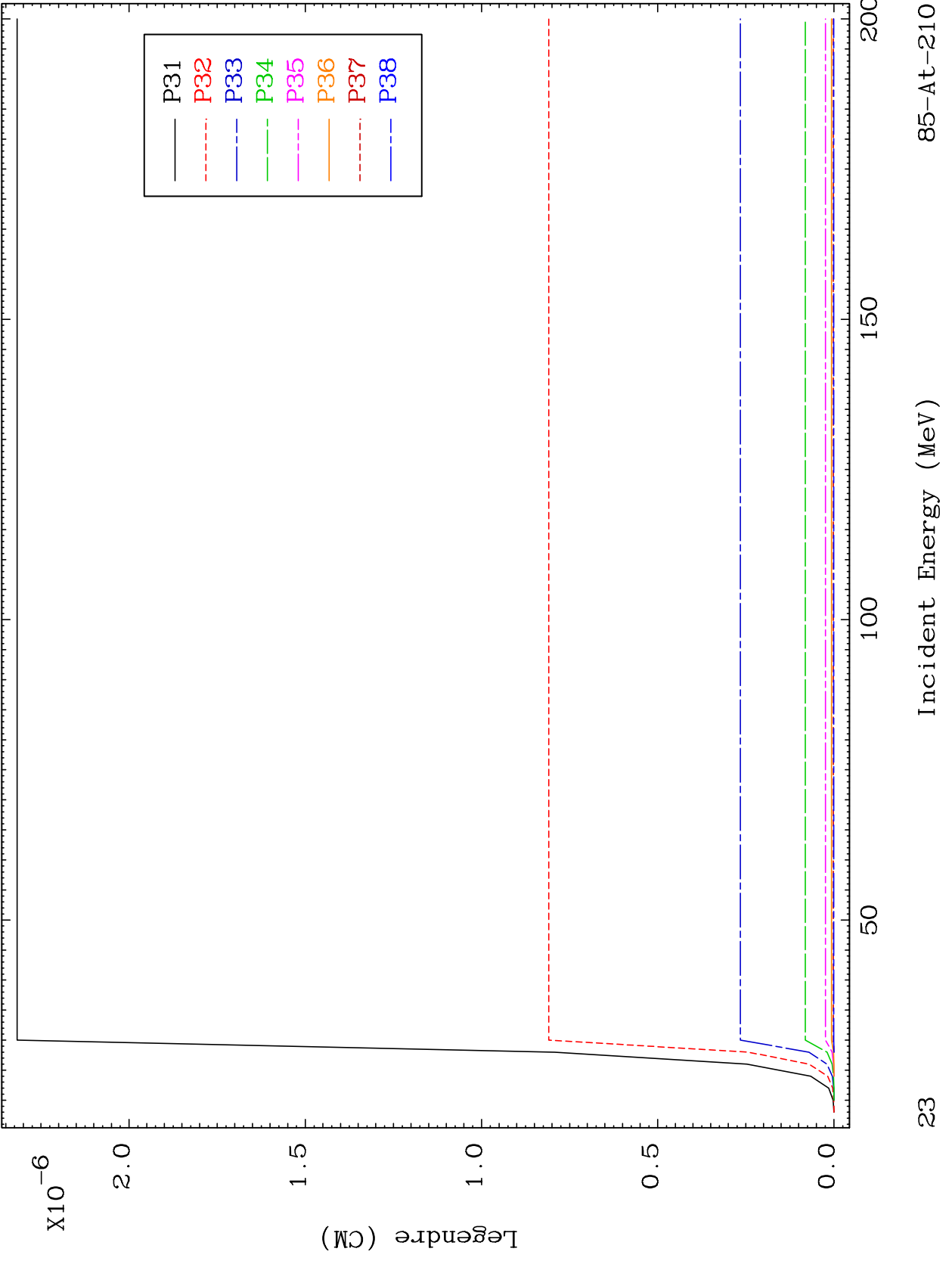
85-At-210



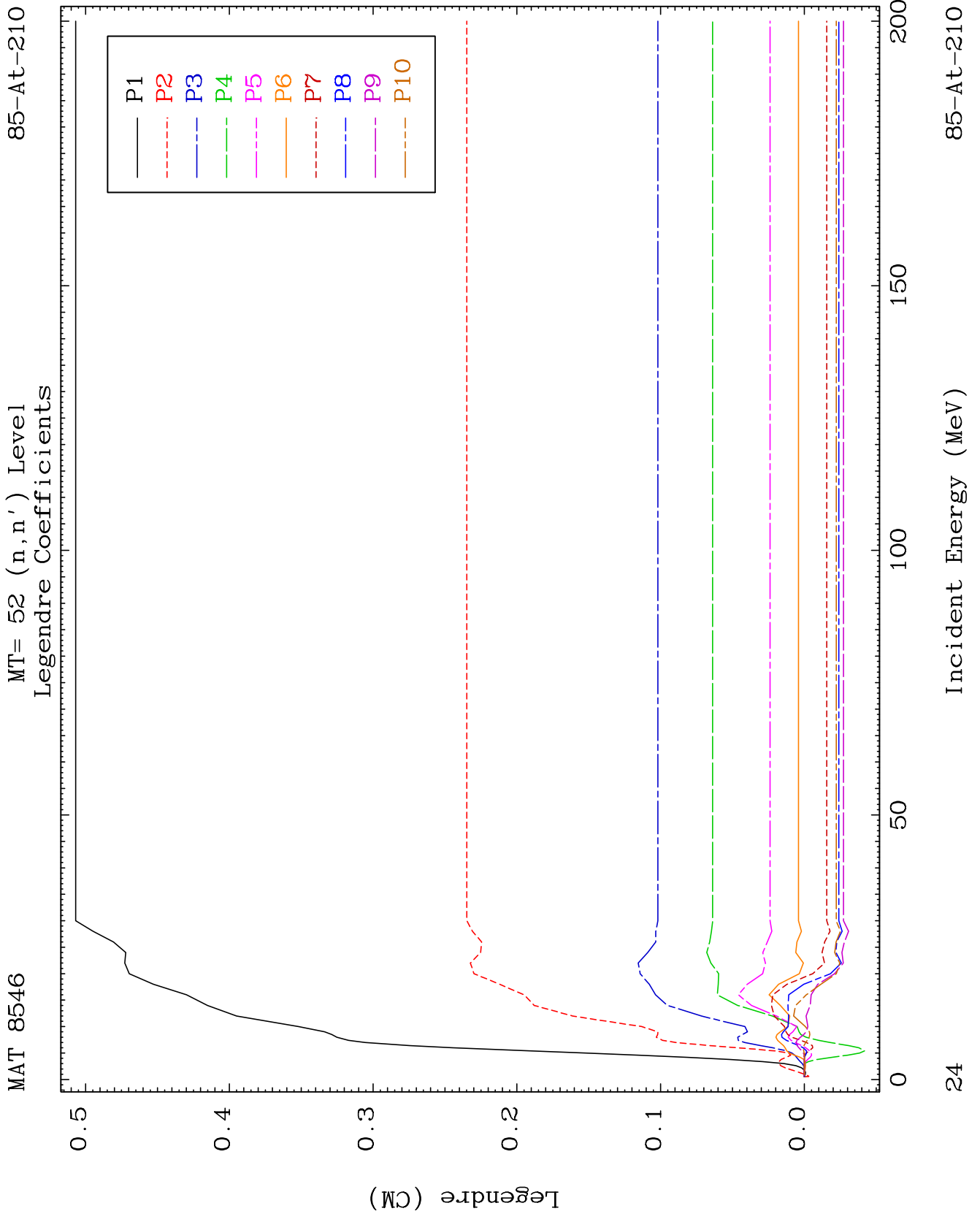
22

Incident Energy (MeV)

85-At-210



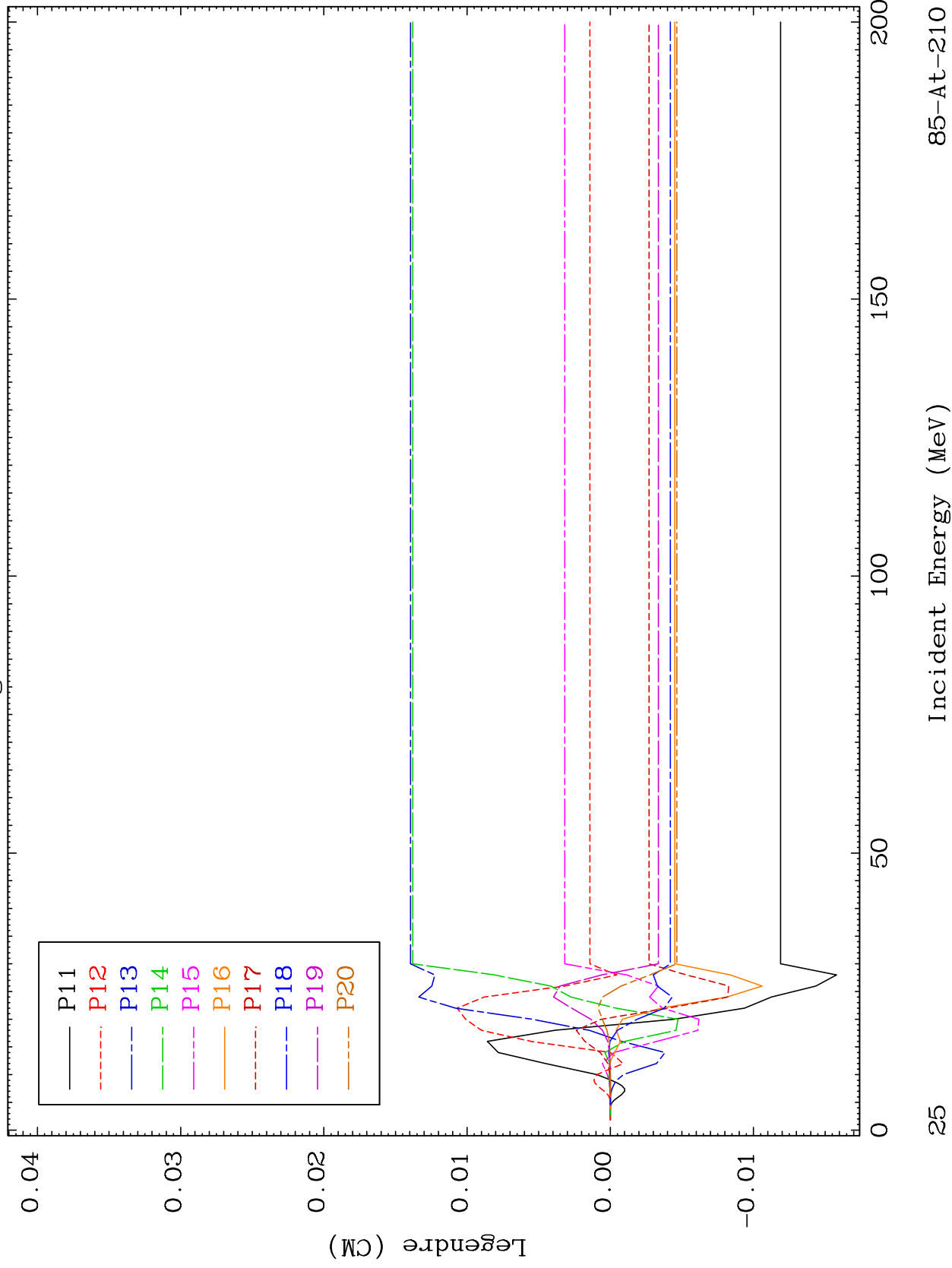




MAT 8546

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

85-At-210



85-At-210

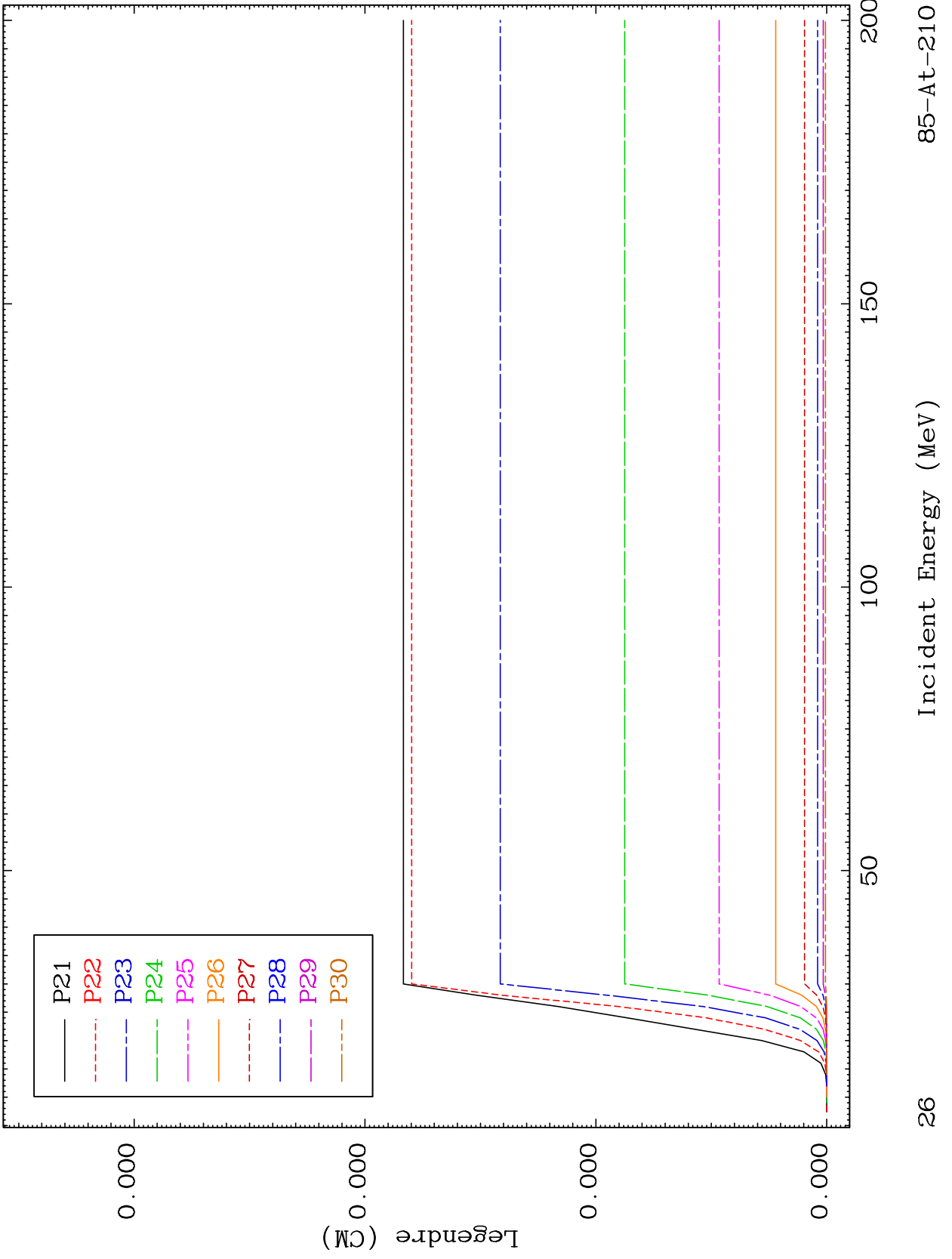
Incident Energy (MeV)

25

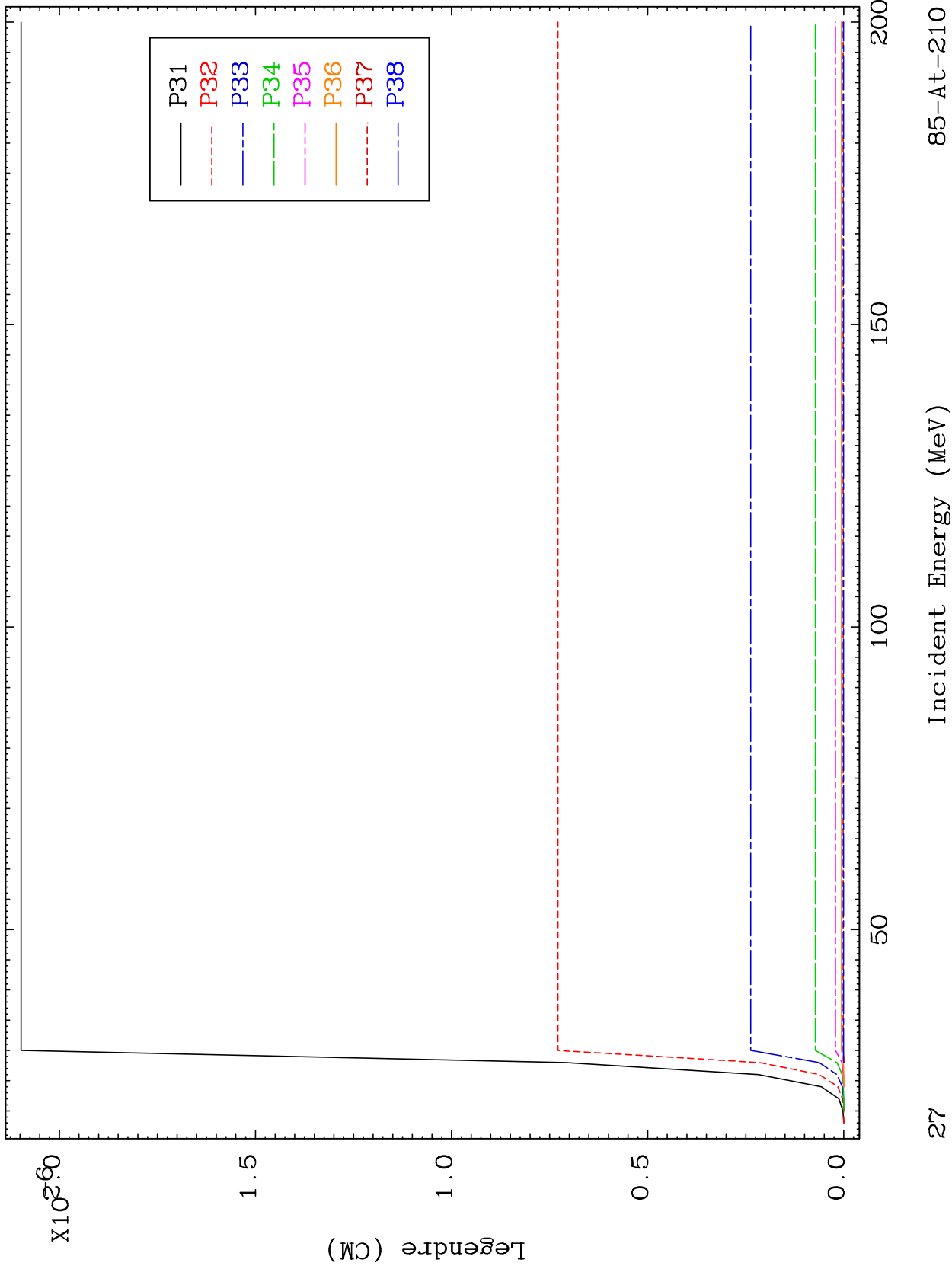
MAT 8546

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

85-At-210



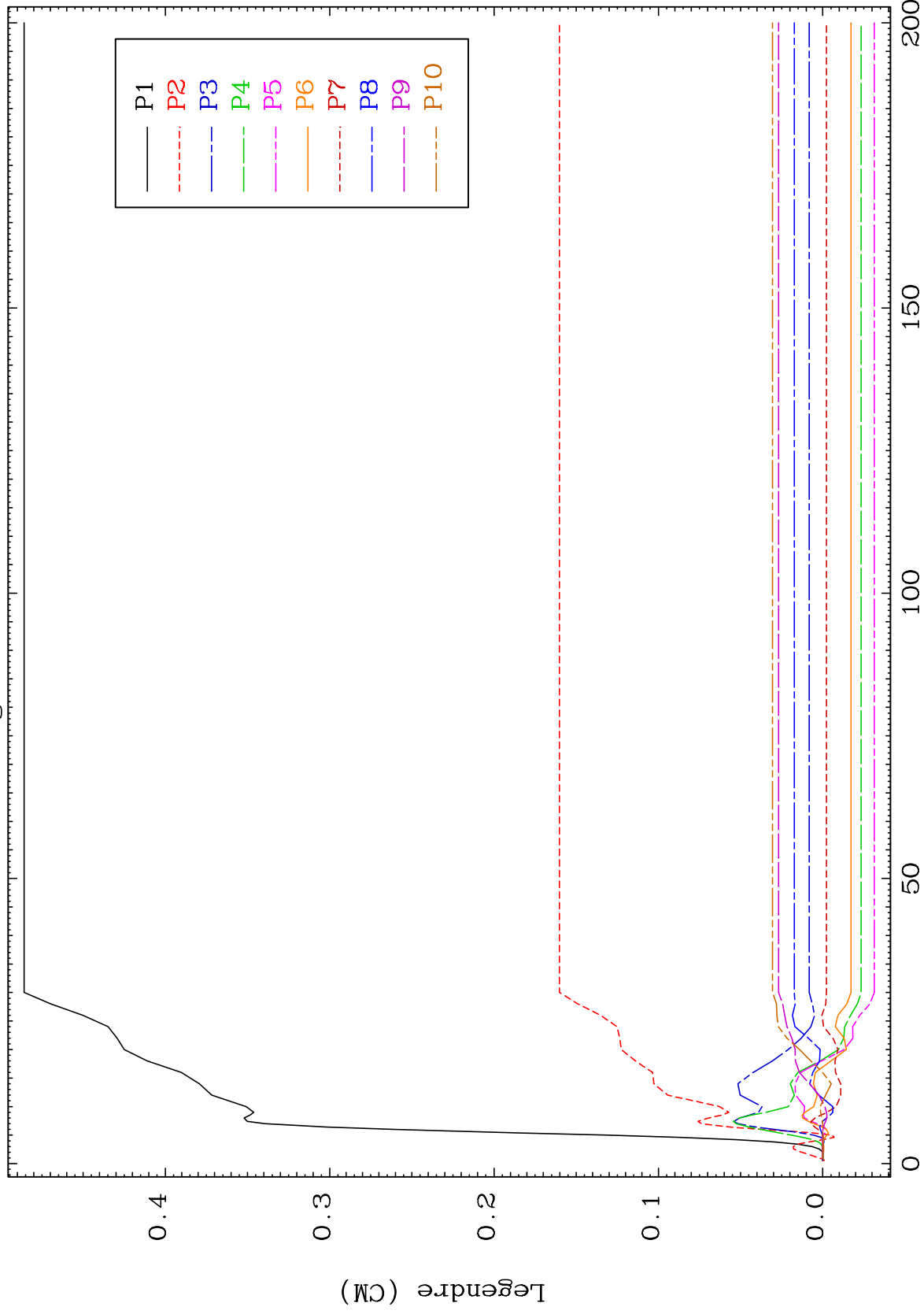
26



MAT 8546

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

85-At-210



28

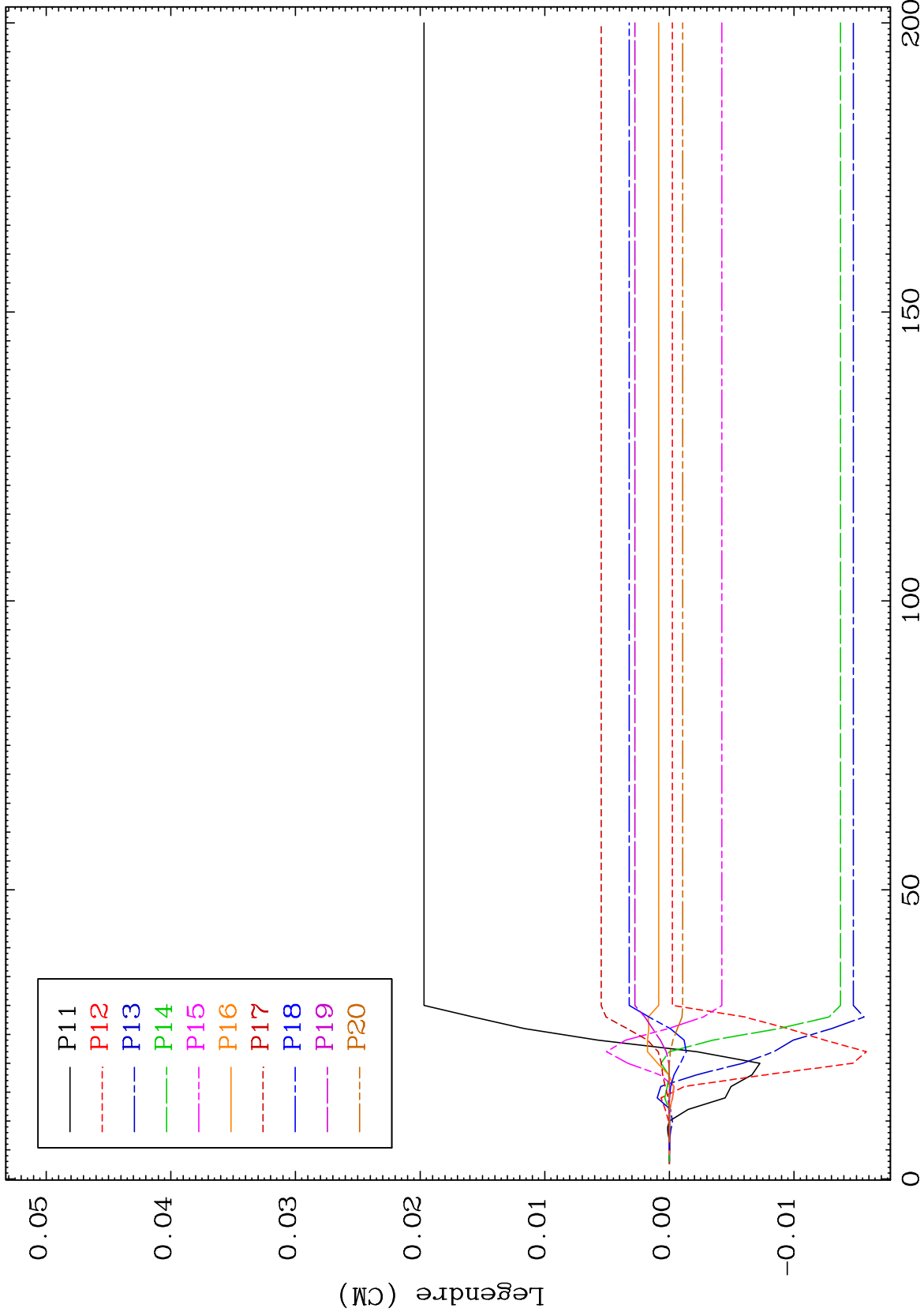
Incident Energy (MeV)

85-At-210

MAT 8546

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

85-At-210



29

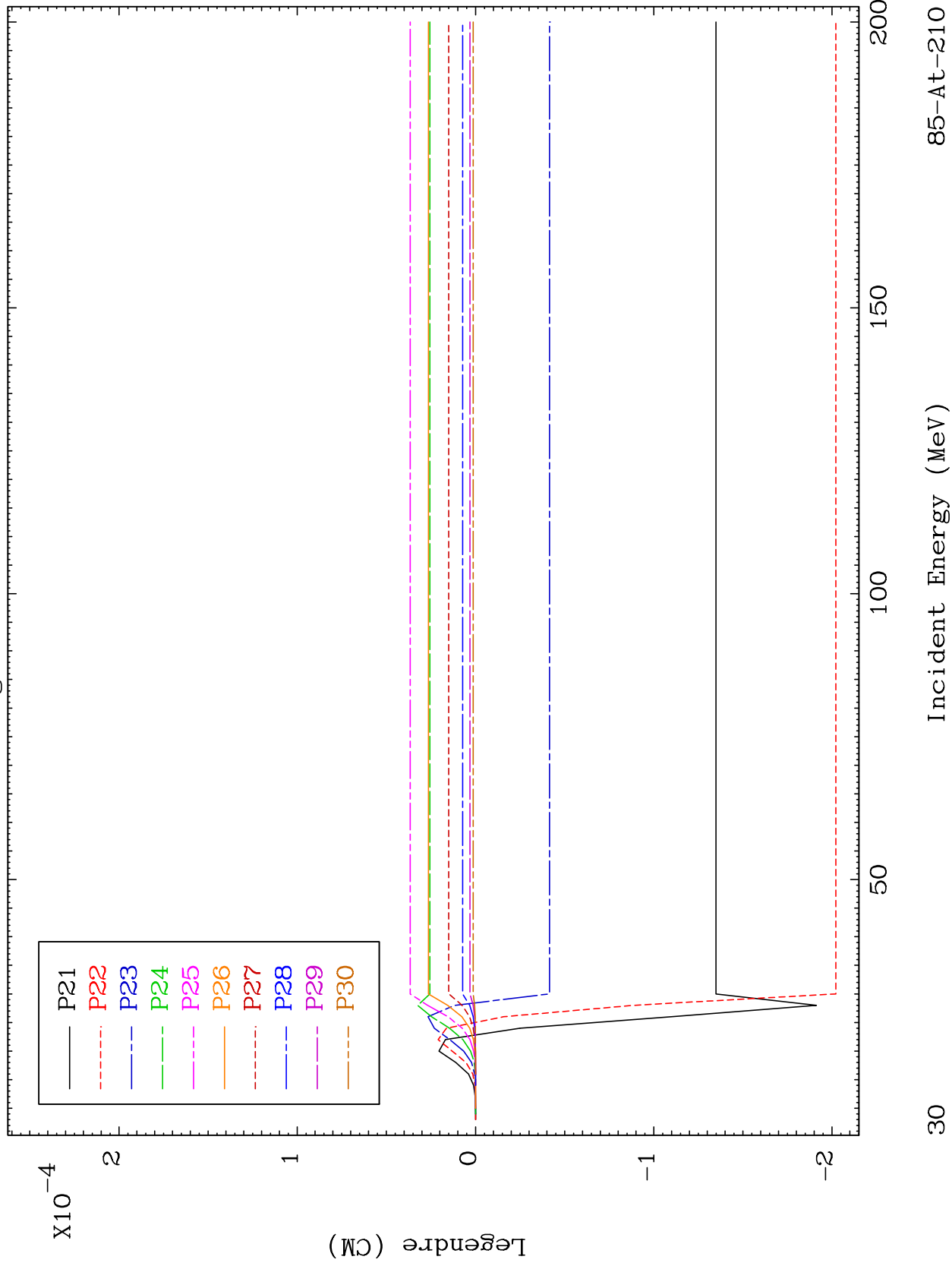
Incident Energy (MeV)

85-At-210

MAT 8546

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

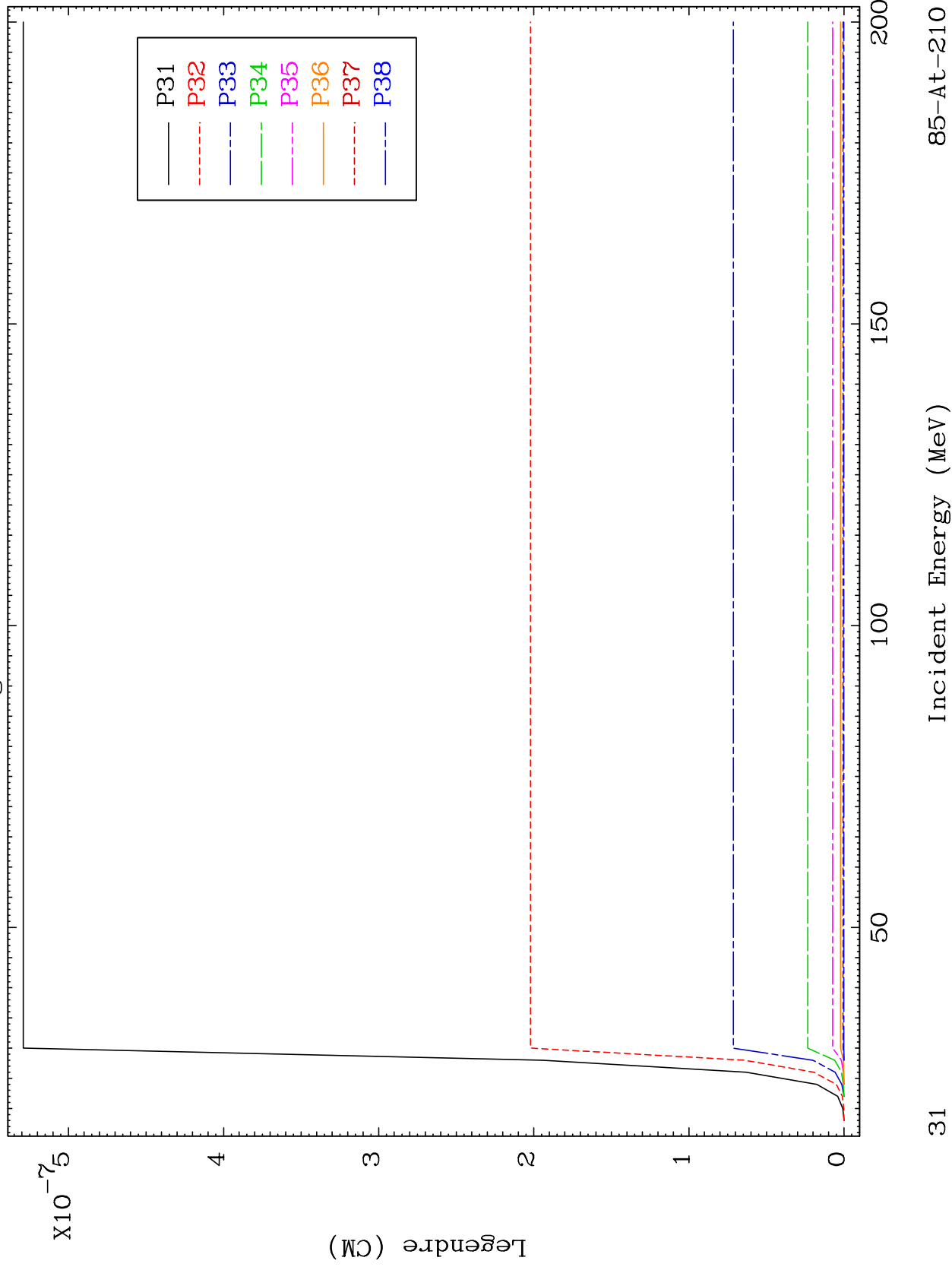
85-At-210



MAT 8546

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

85-At-210

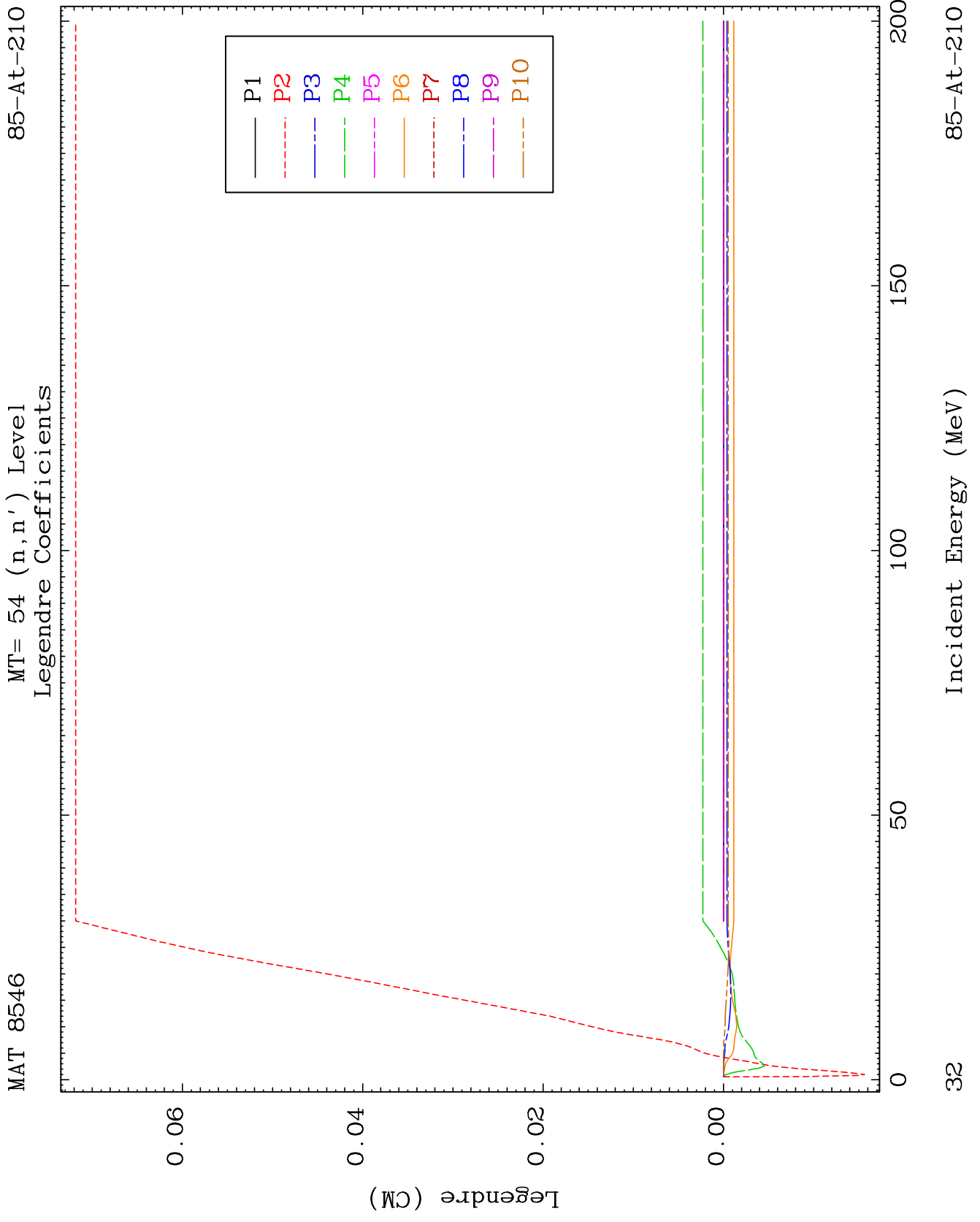


31

Incident Energy (MeV)

85-At-210



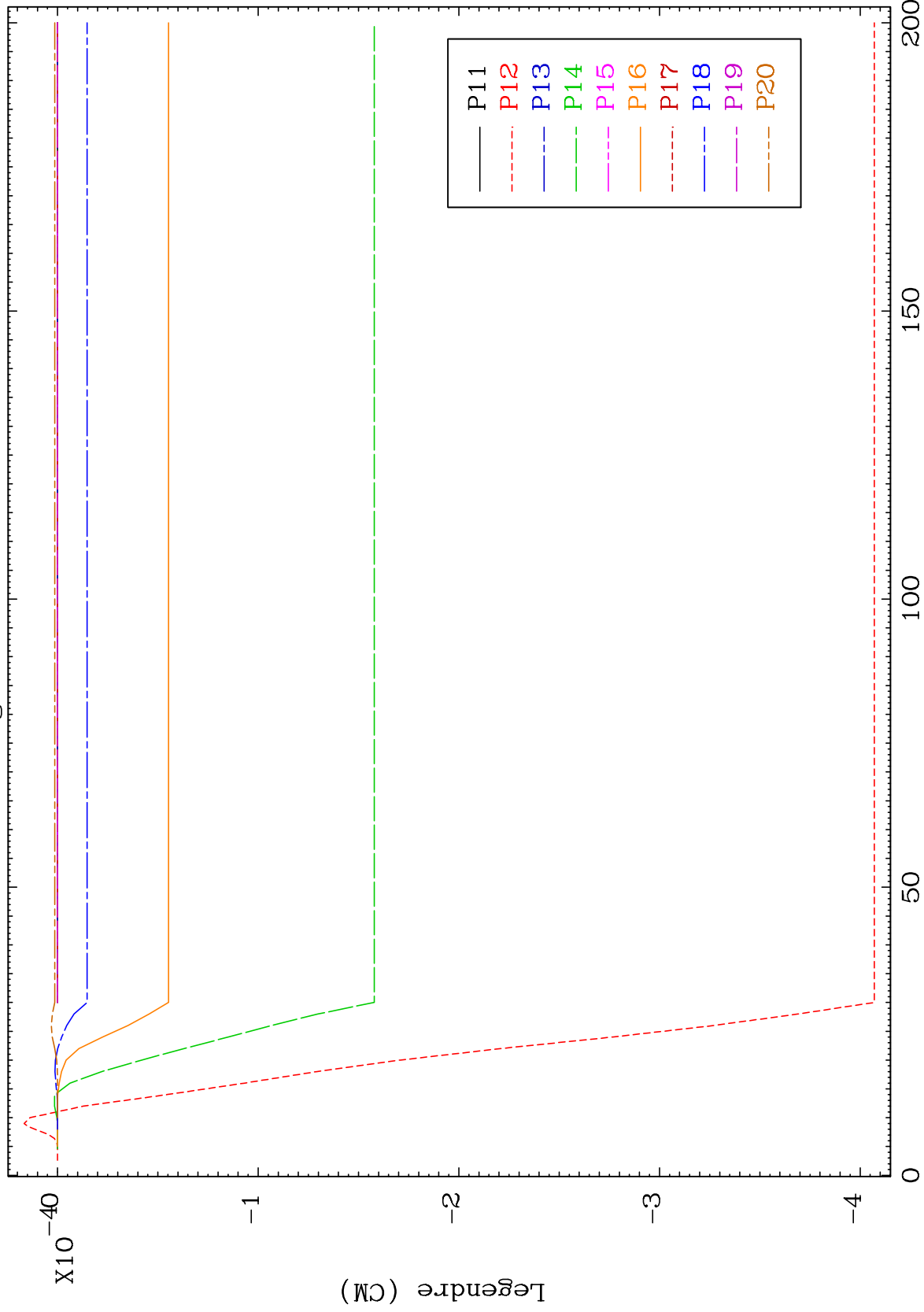


MAT 8546

MT= 54 (n,n') Level

85-At-210

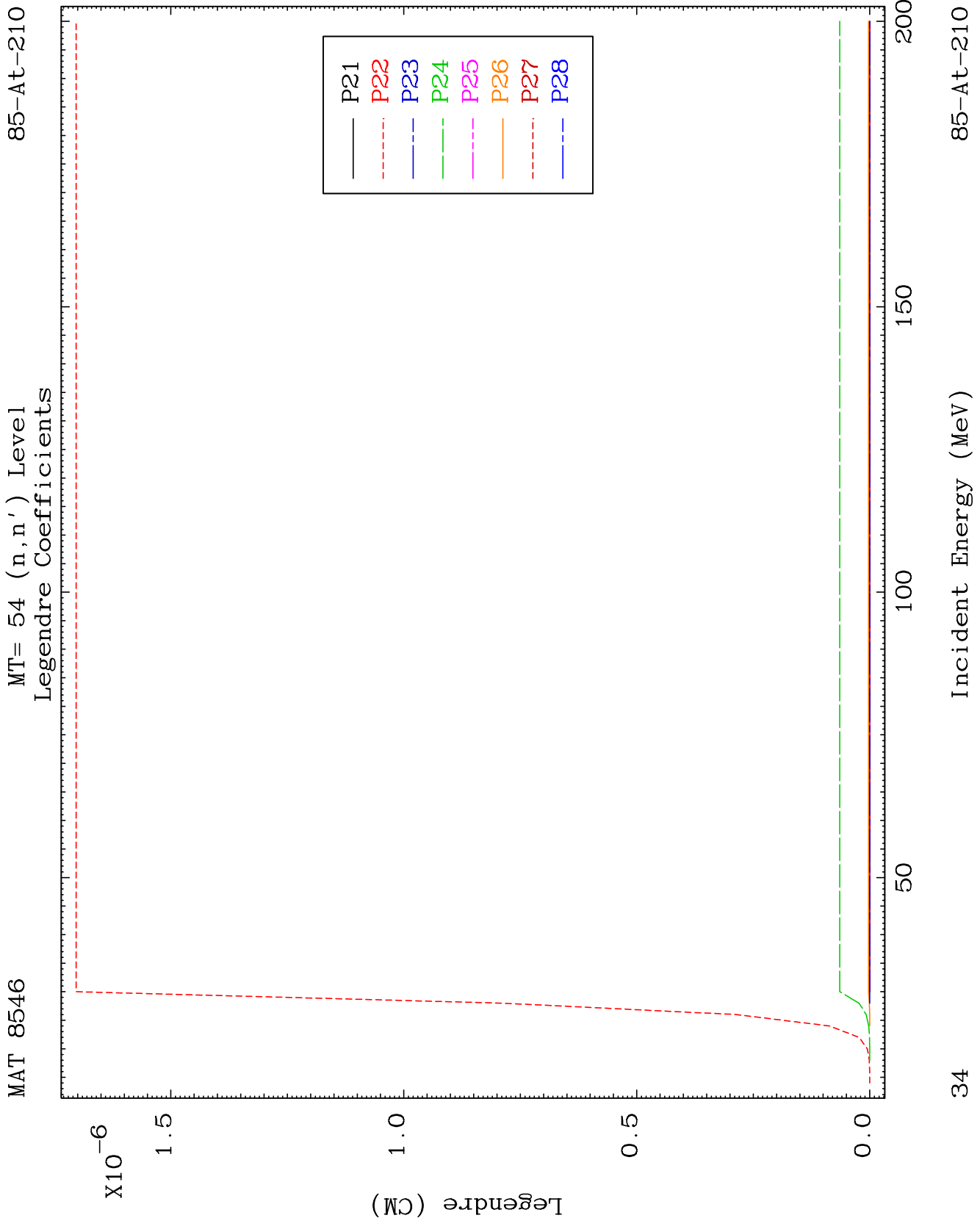
Legendre Coefficients

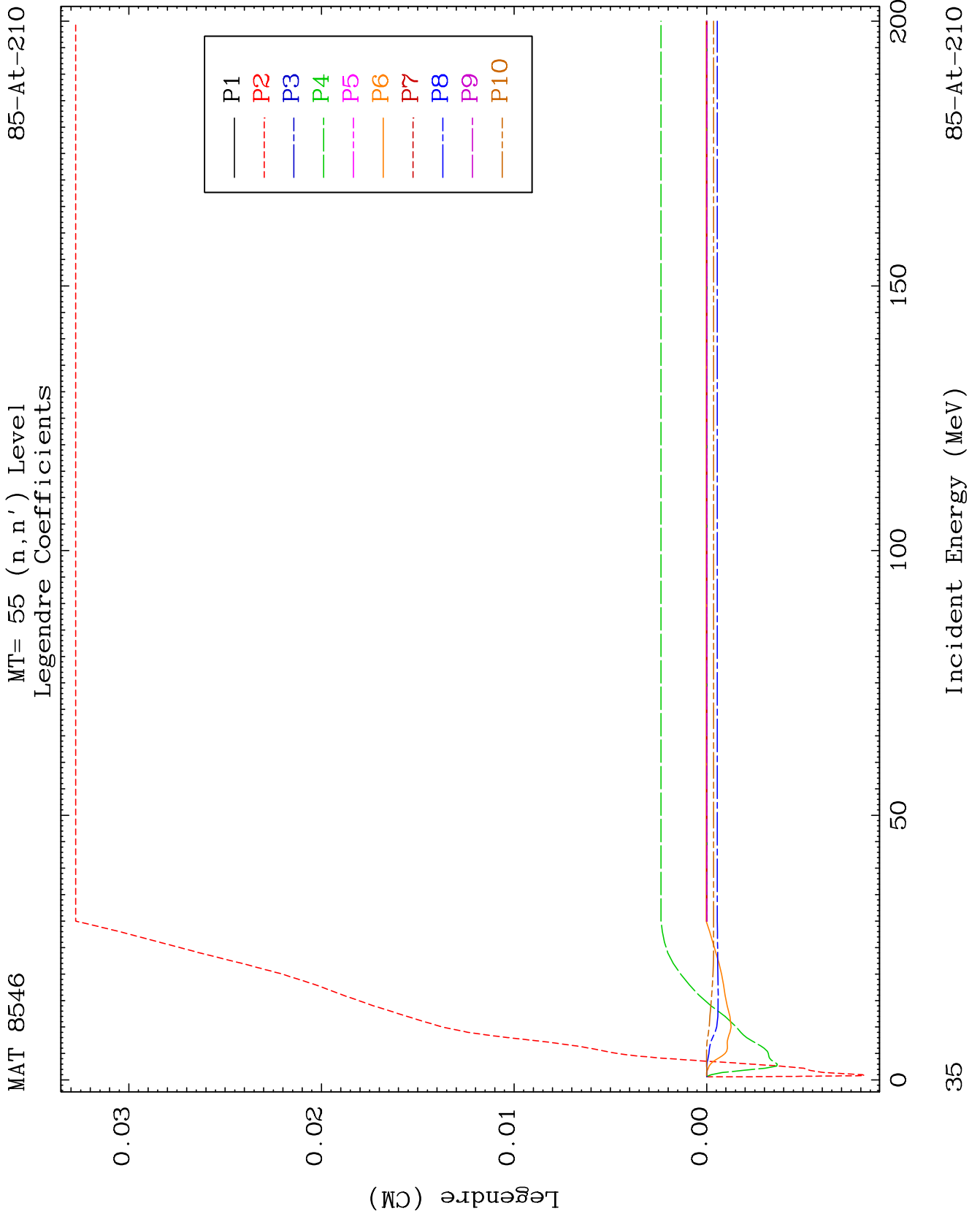


33

Incident Energy (MeV)

85-At-210

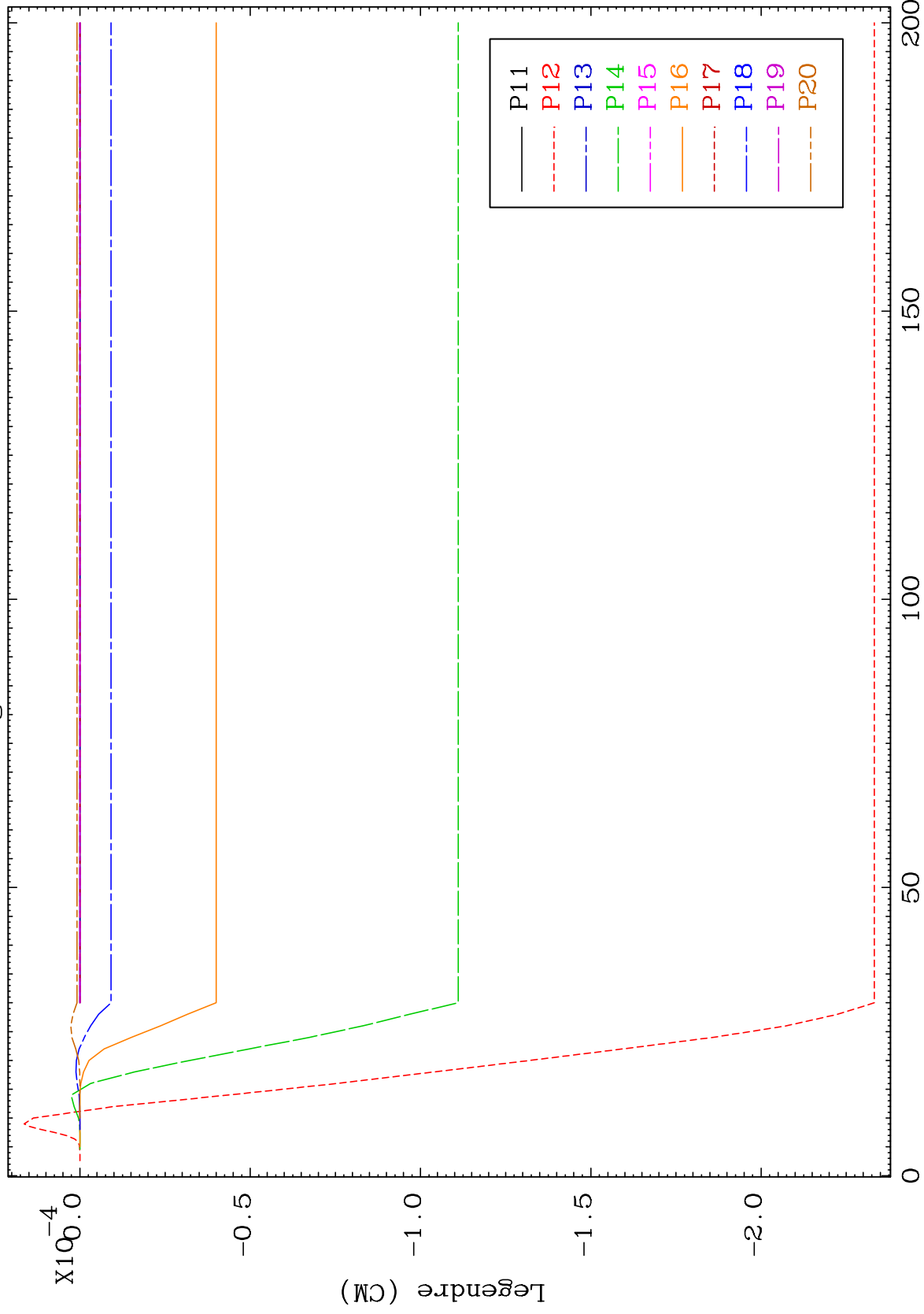




MAT 8546

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

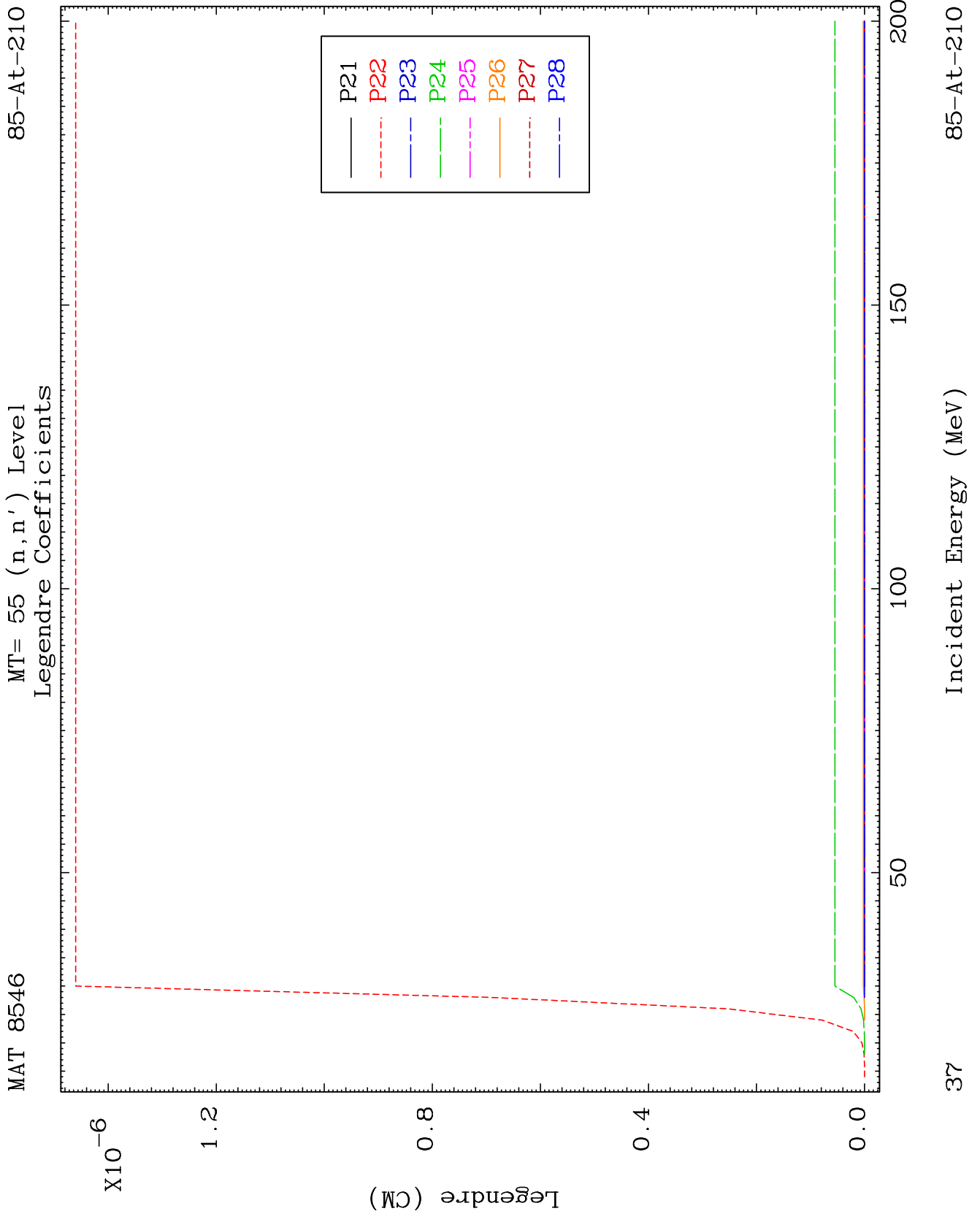
85-At-210



36

Incident Energy (MeV)

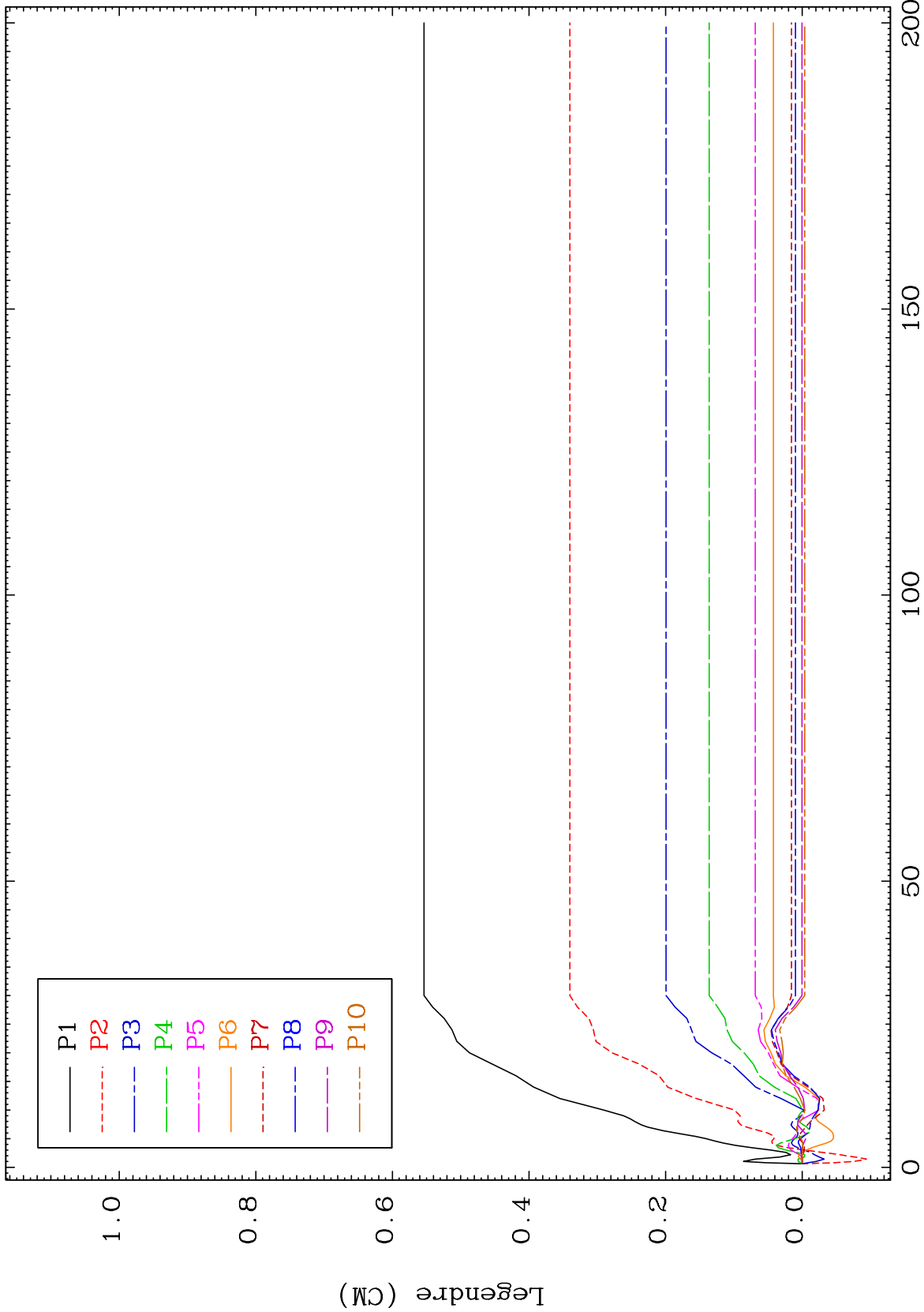
85-At-210



MAT 8546

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

85-At-210



38

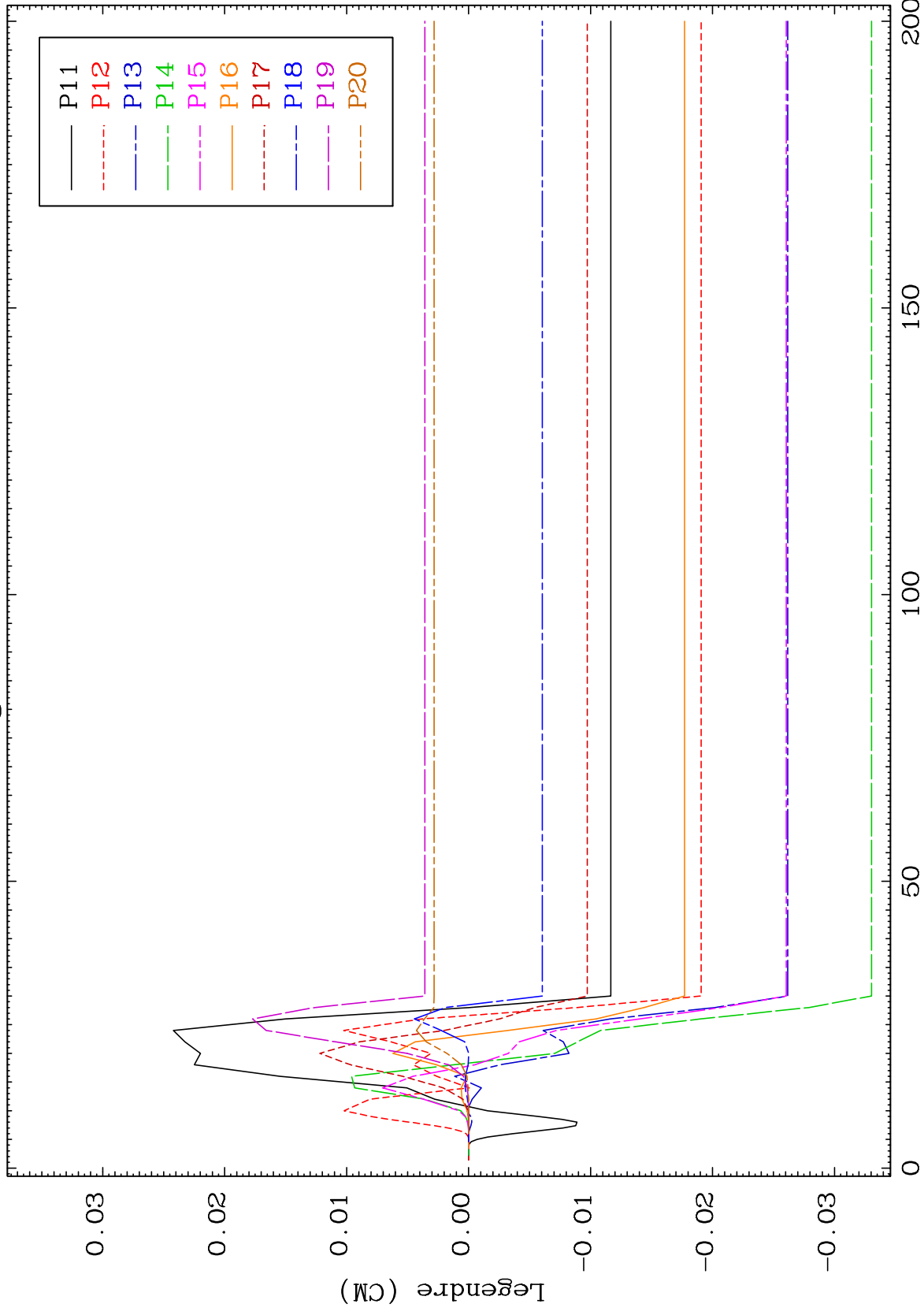
Incident Energy (MeV)

85-At-210

MAT 8546

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

85-At-210



39

Incident Energy (MeV)

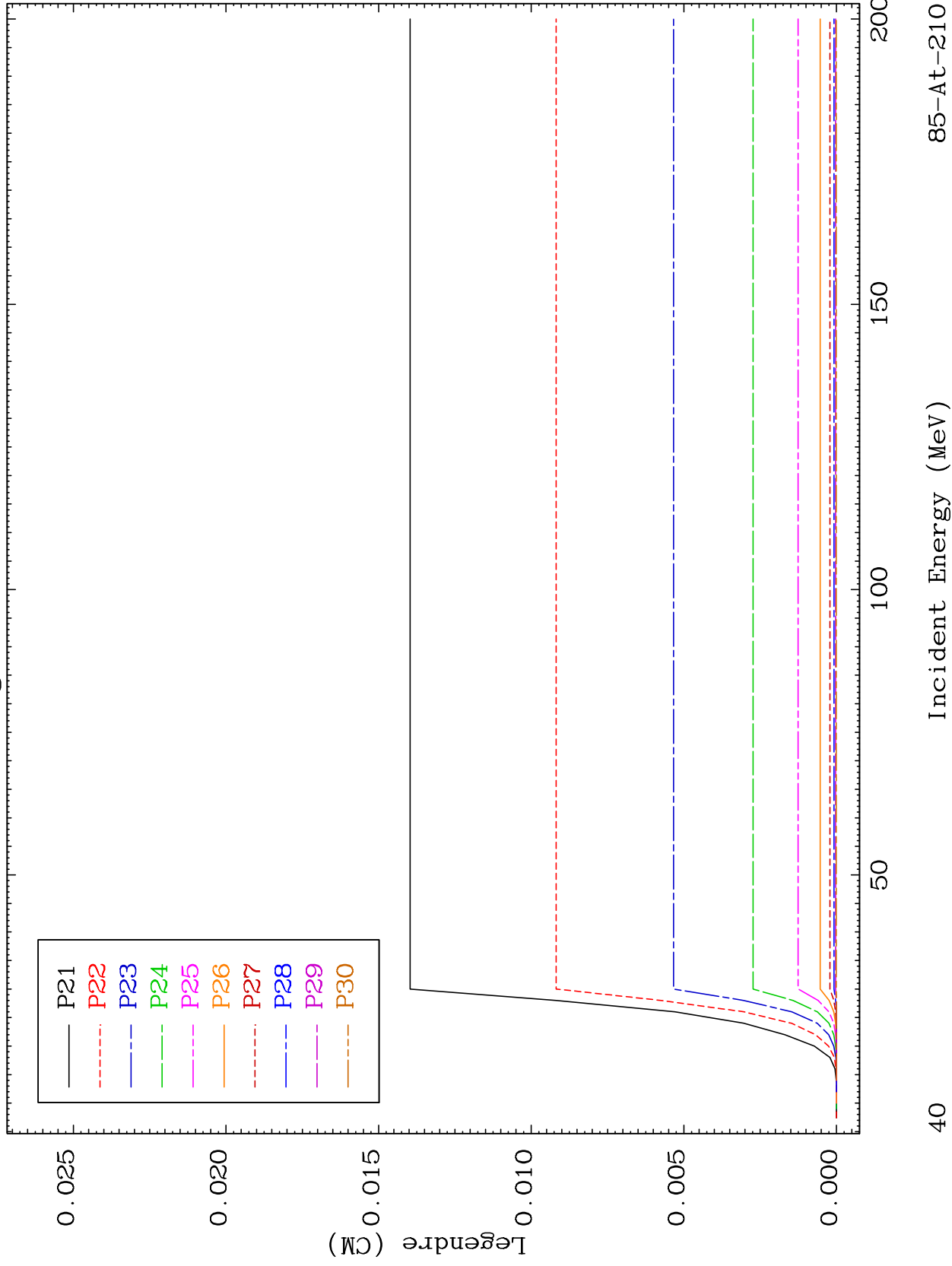
85-At-210



MAT 8546

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

85-At-210



40

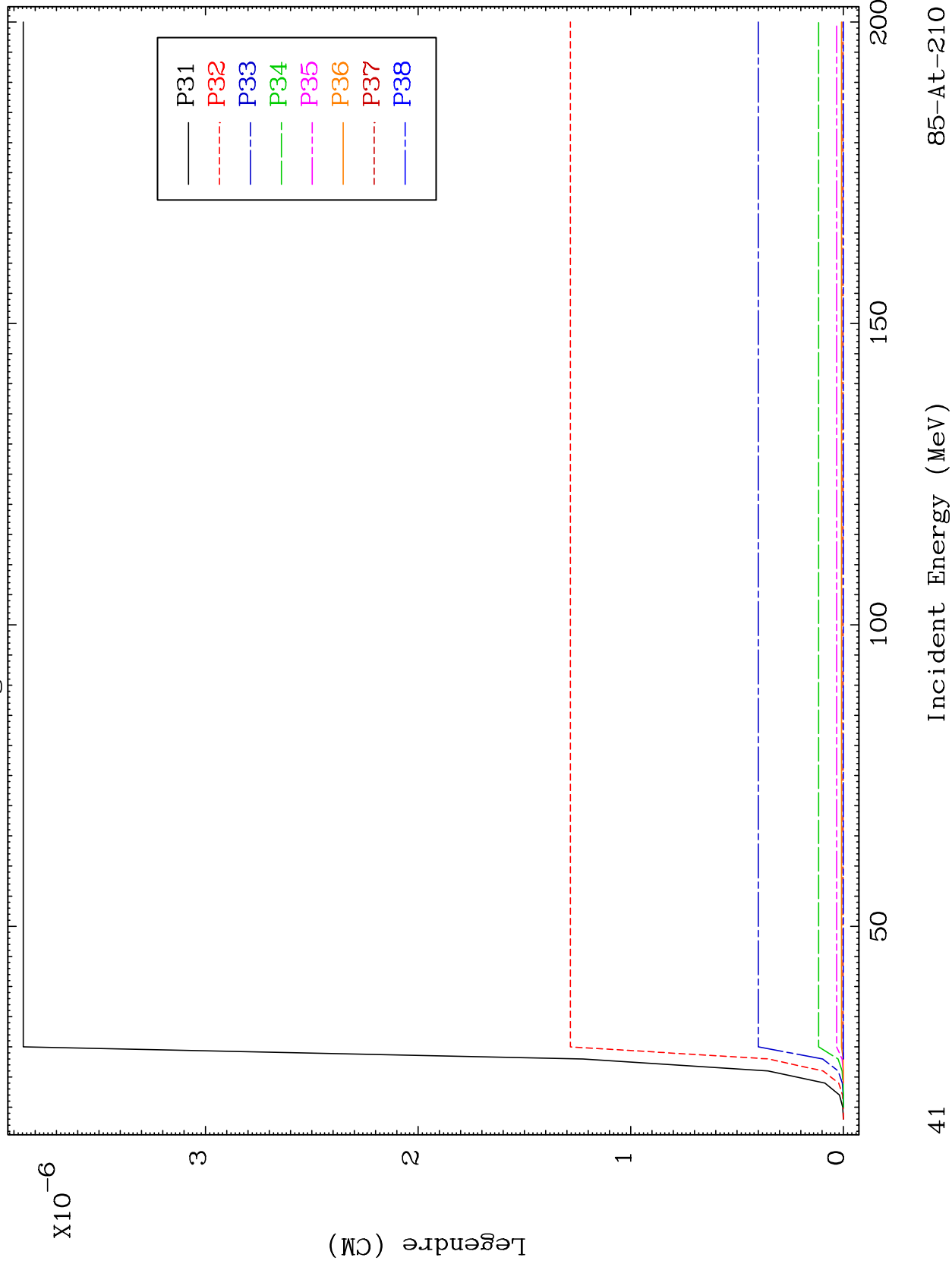
Incident Energy (MeV)

85-At-210

MAT 8546

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

85-At-210



41

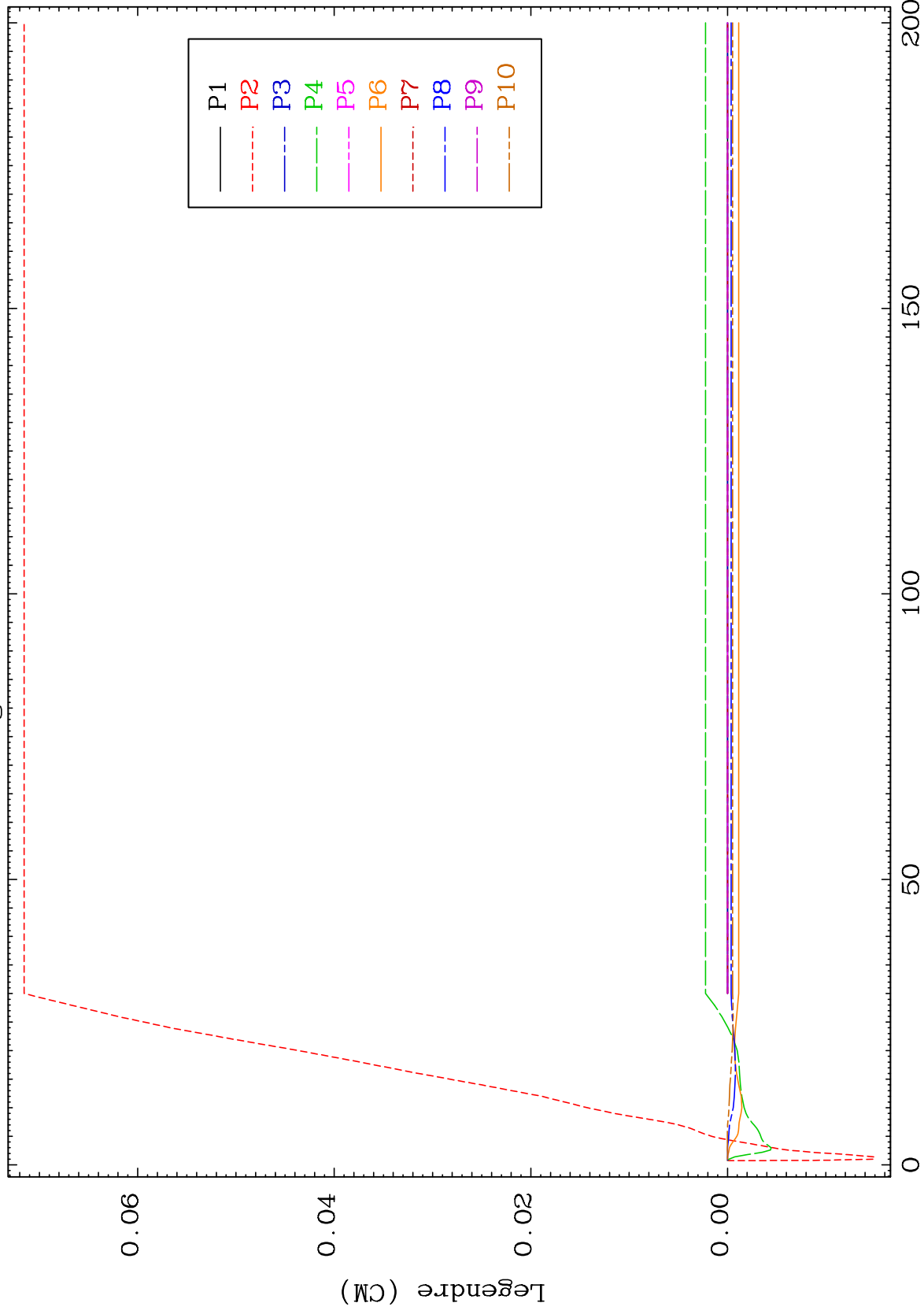
Incident Energy (MeV)

85-At-210

MAT 8546

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

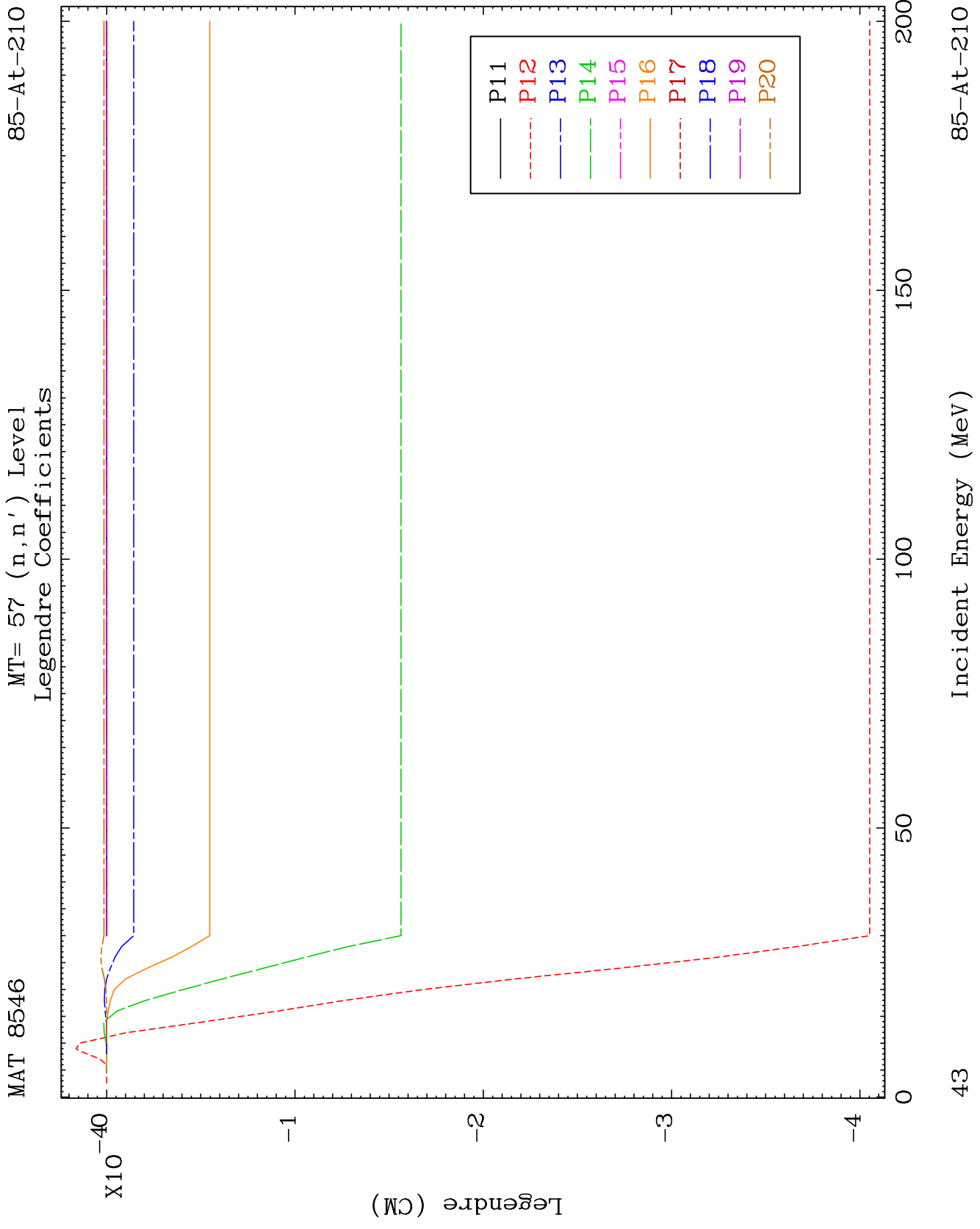
85-At-210

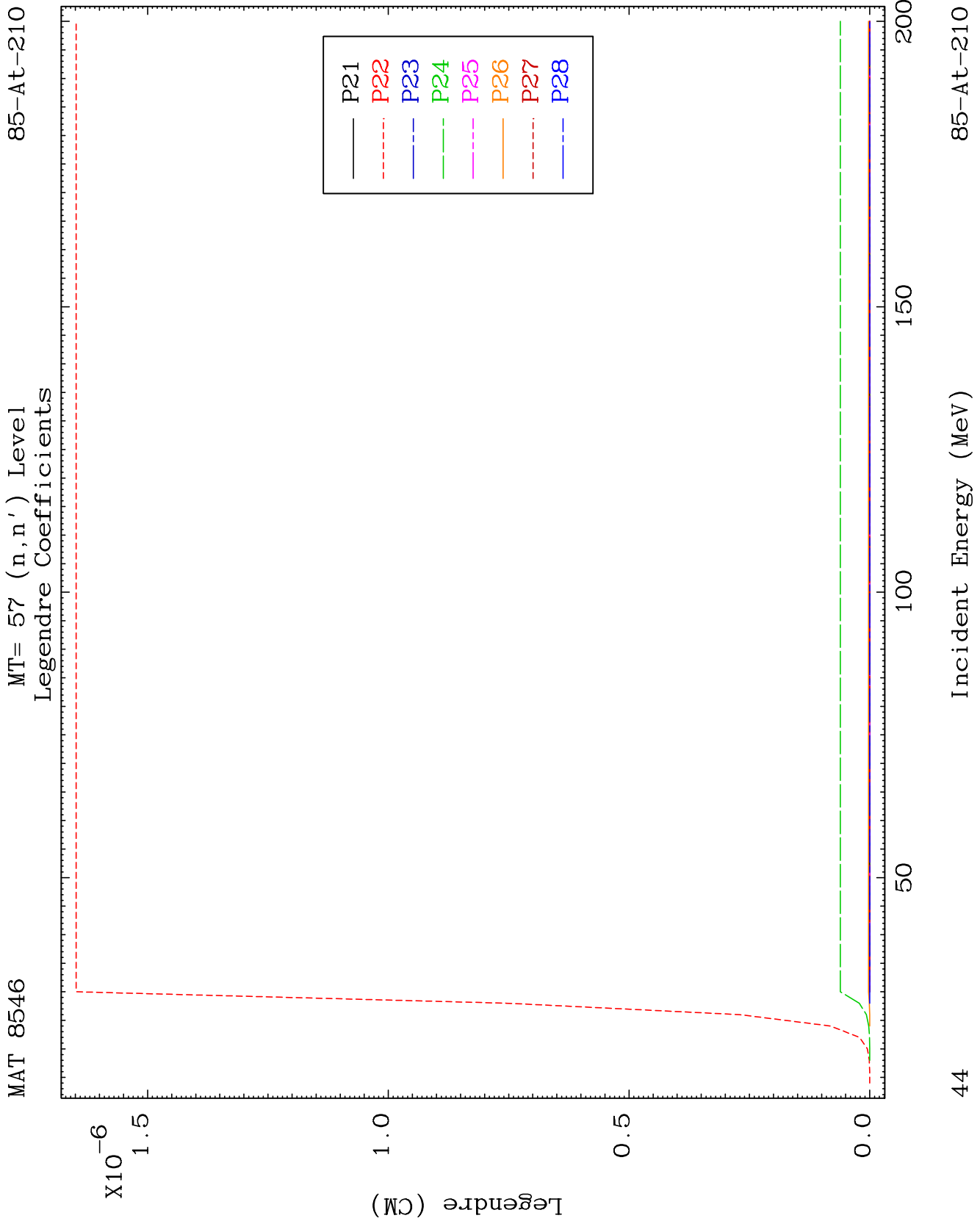


42

Incident Energy (MeV)

85-At-210

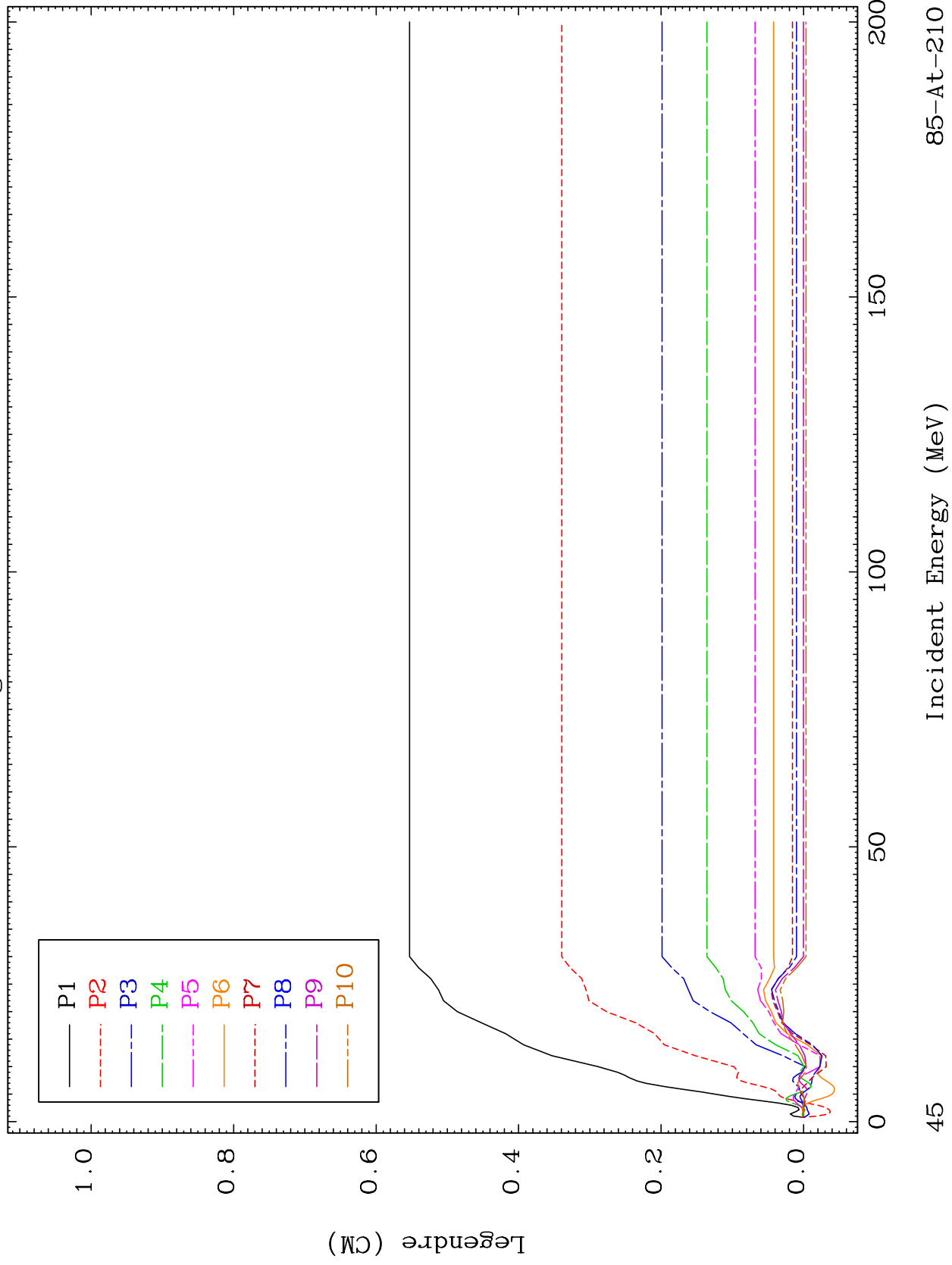




MAT 8546

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

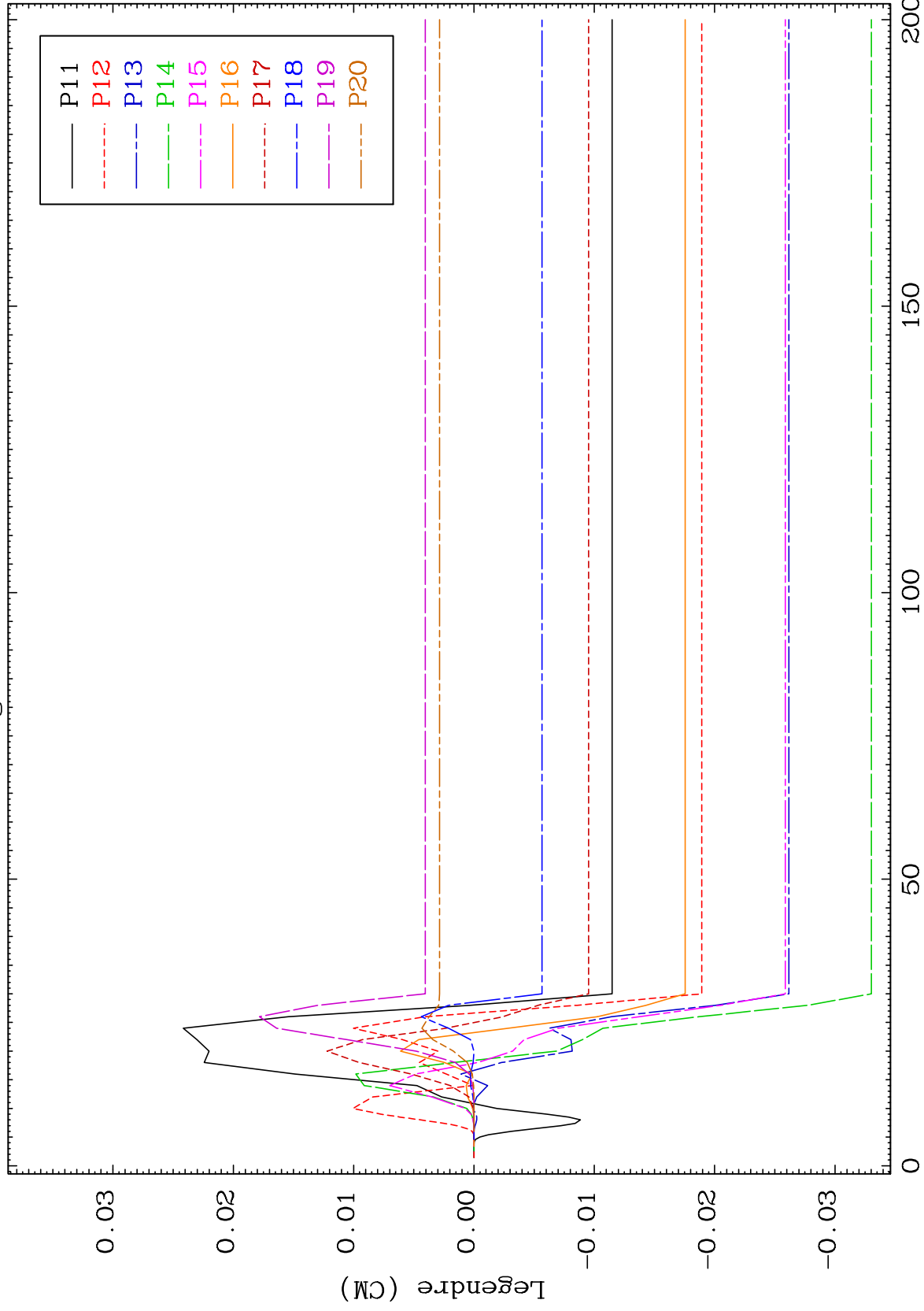
85-At-210



MAT 8546

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

85-At-210



46

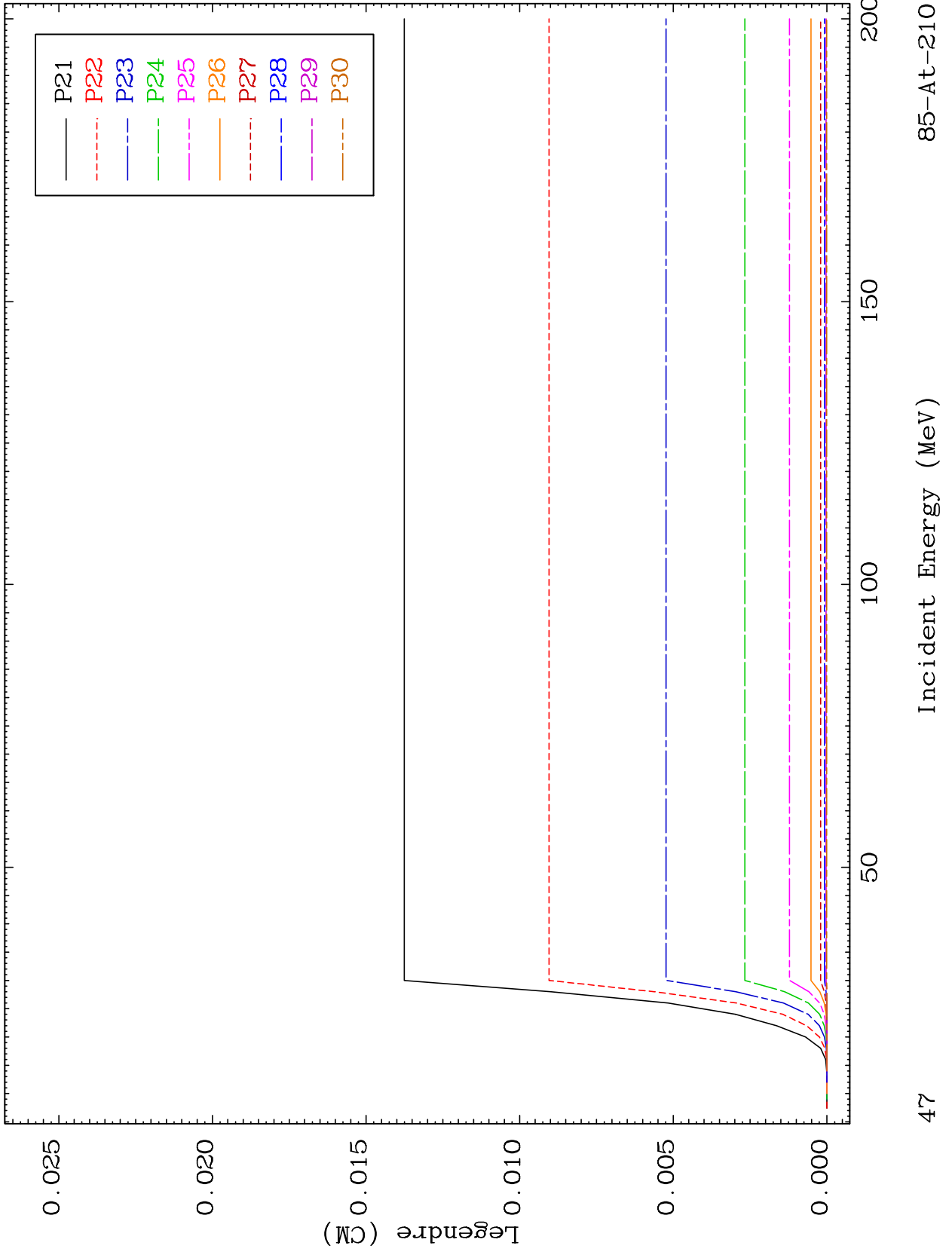
Incident Energy (MeV)

85-At-210

MAT 8546

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

85-At-210



47

Incident Energy (MeV)

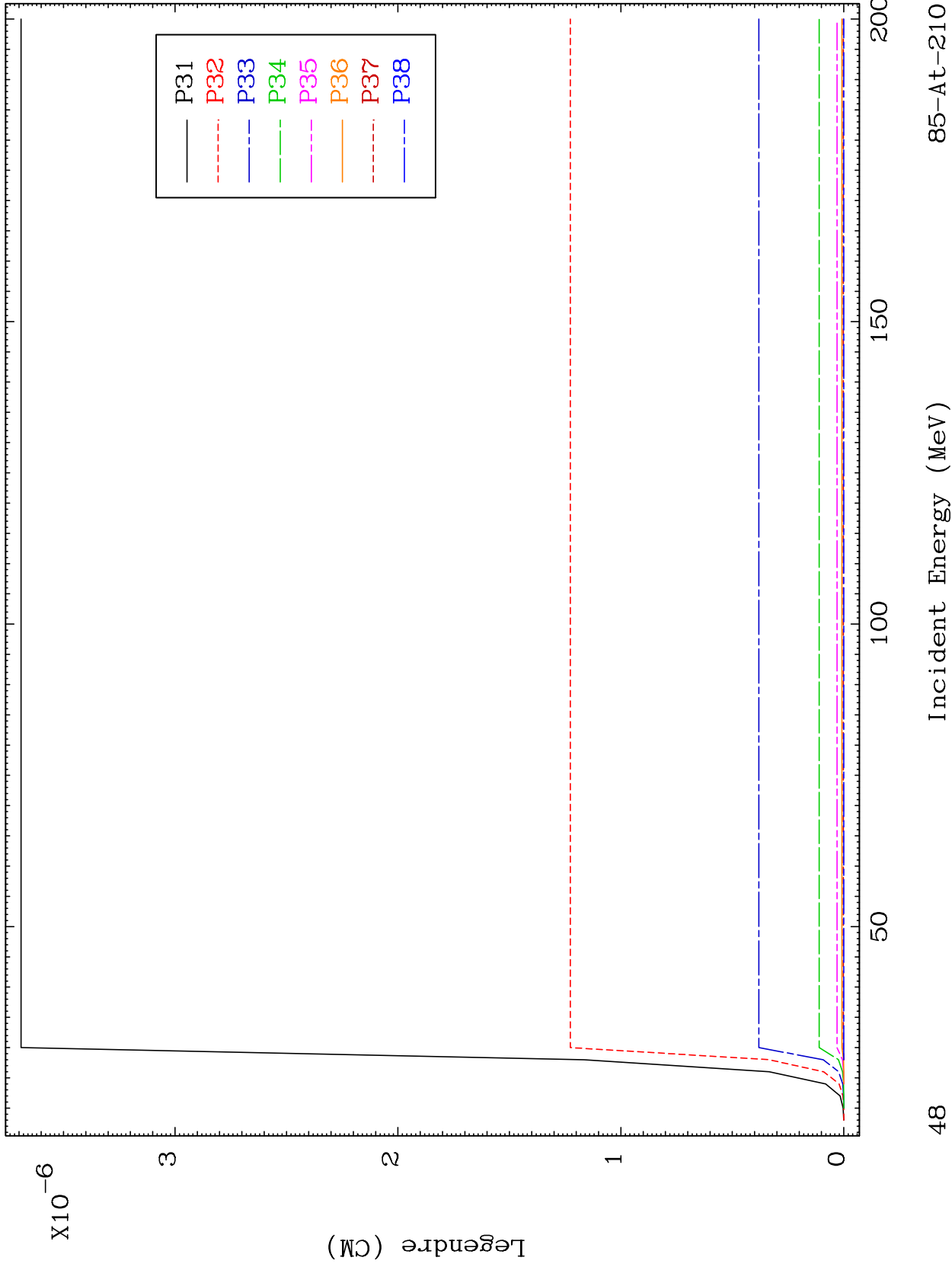
85-At-210



MAT 8546

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

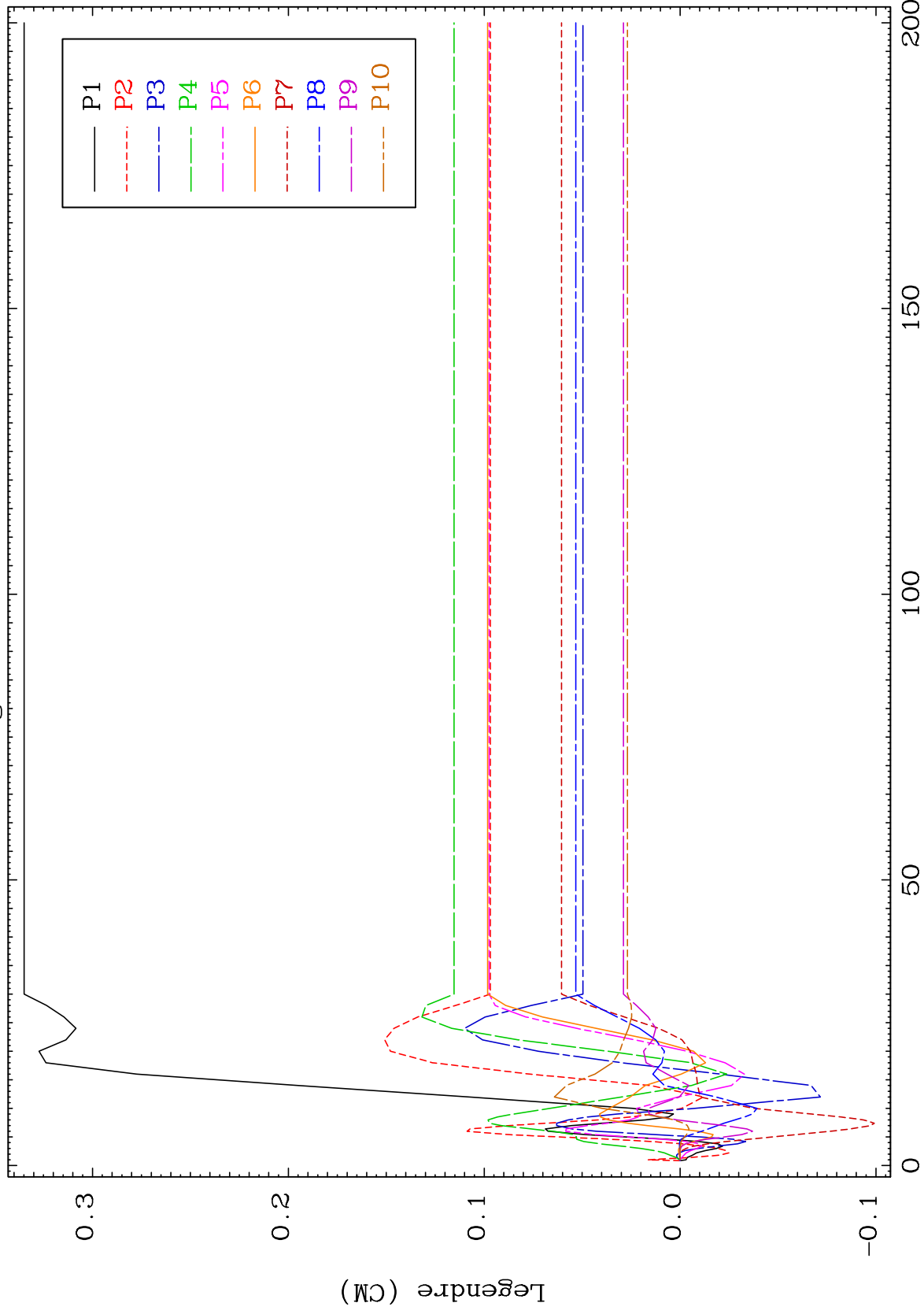
85-At-210



MAT 8546

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

85-At-210



49

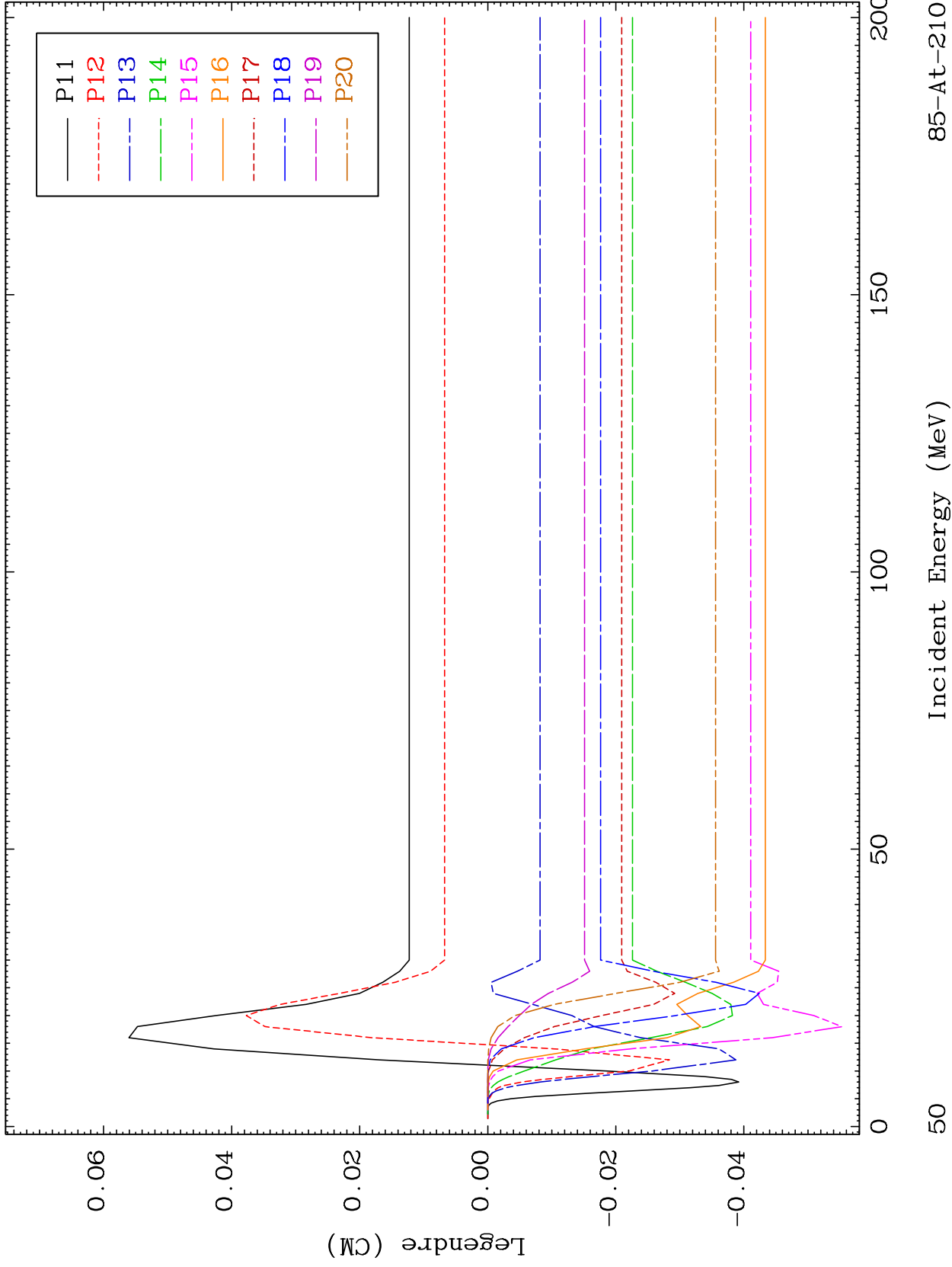
Incident Energy (MeV)

85-At-210

MAT 8546

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

85-At-210

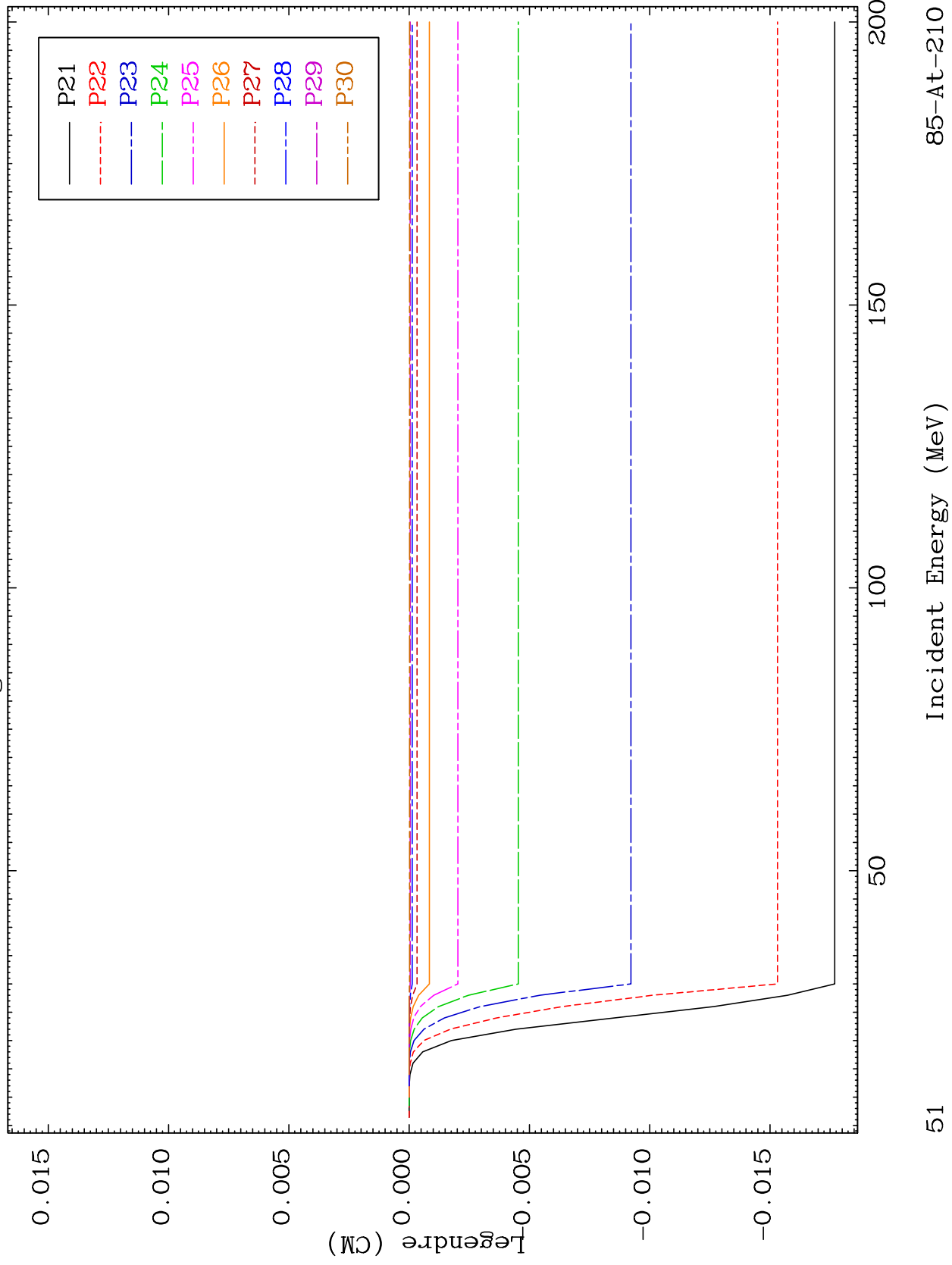


85-At-210

MAT 8546

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

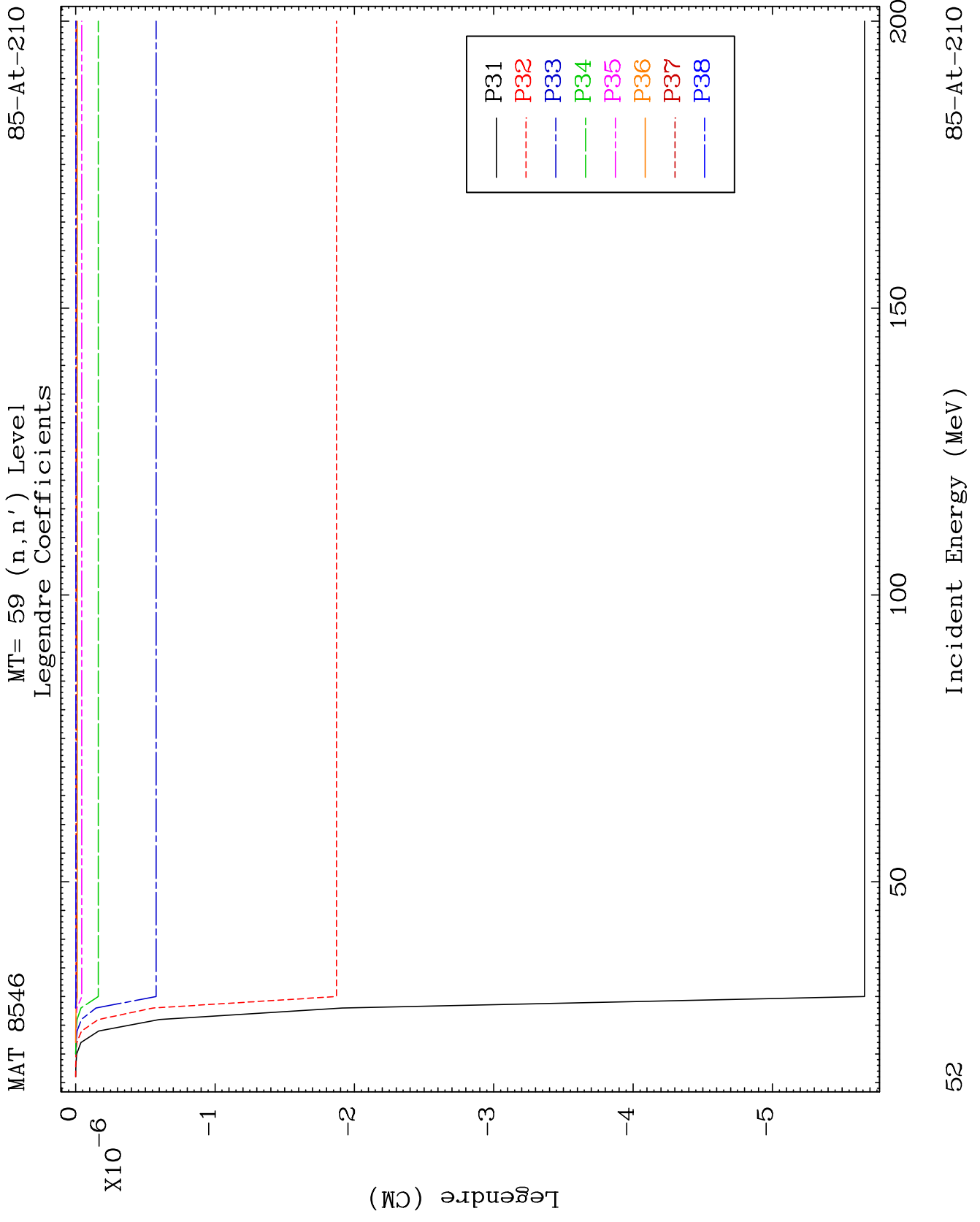
85-At-210

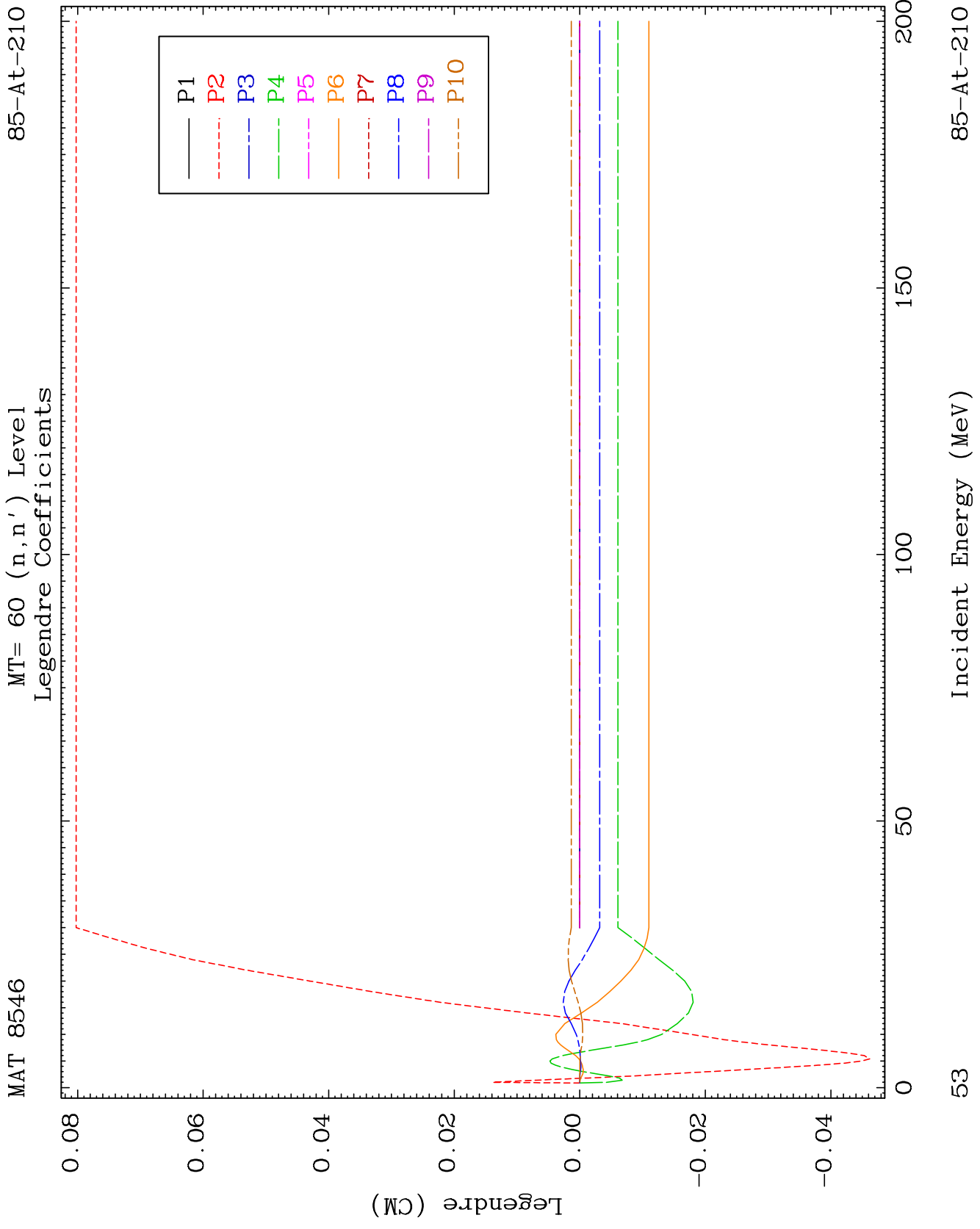


51

Incident Energy (MeV)

85-At-210

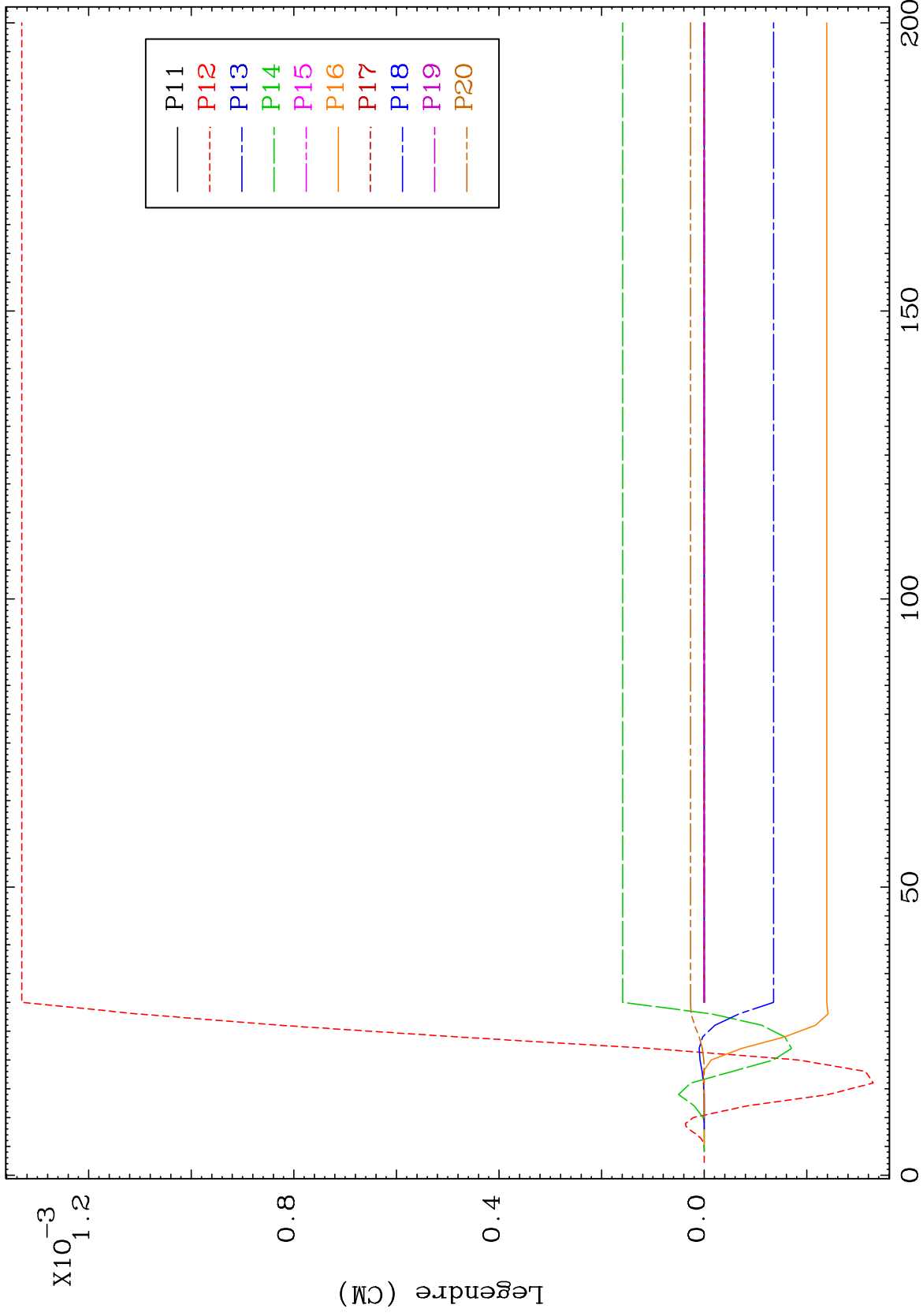




MAT 8546

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

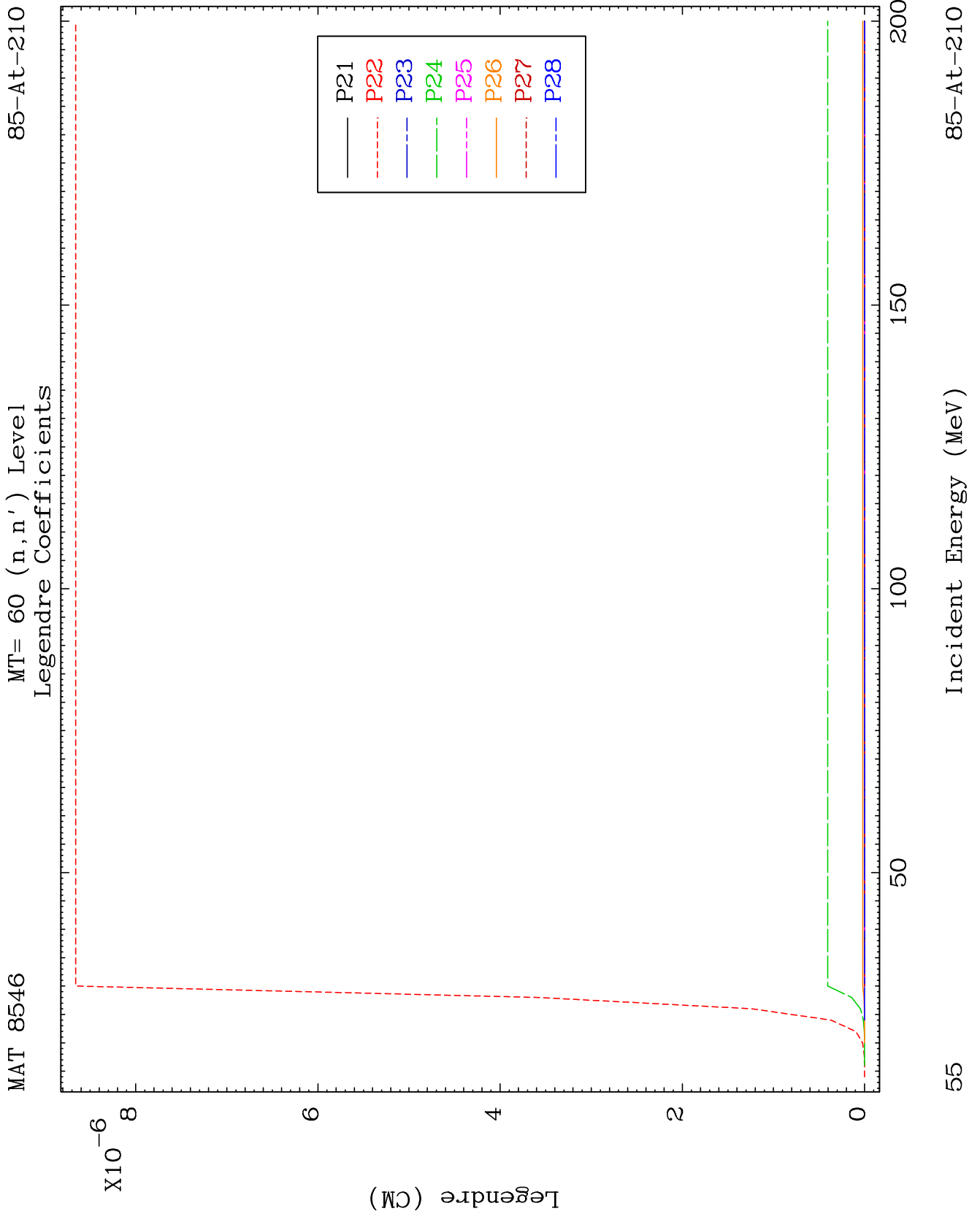
85-At-210



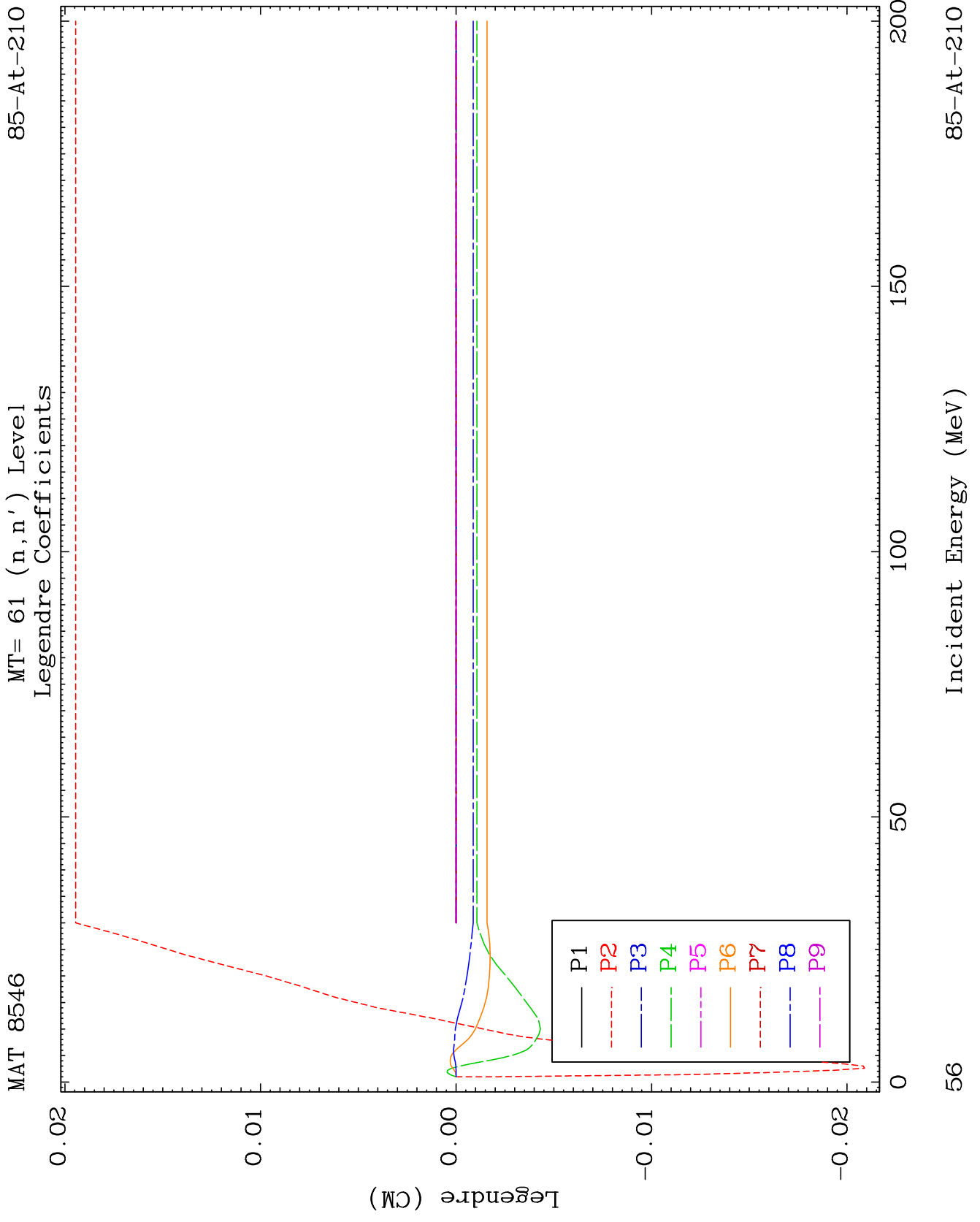
54

Incident Energy (MeV)

85-At-210



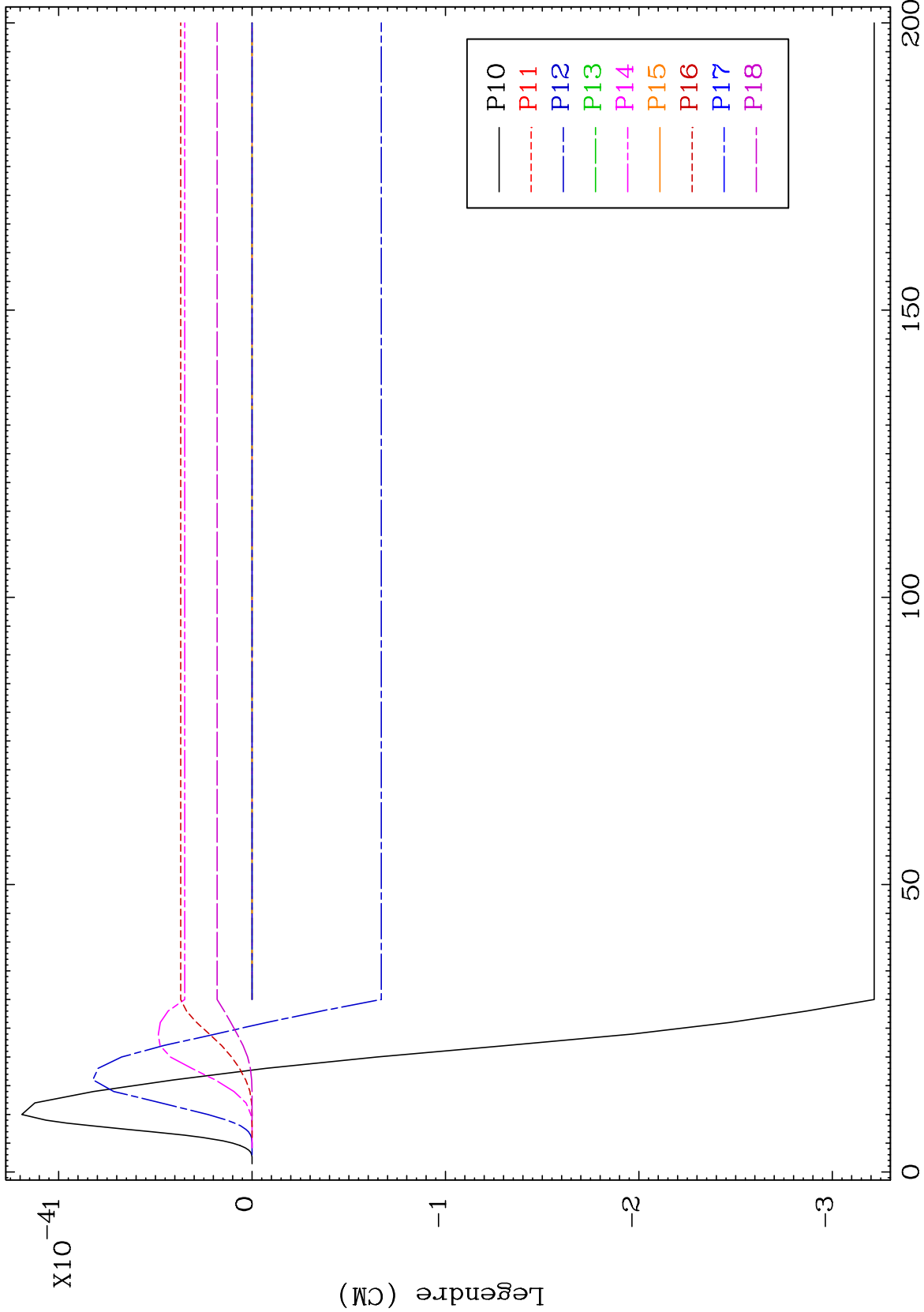




MAT 8546

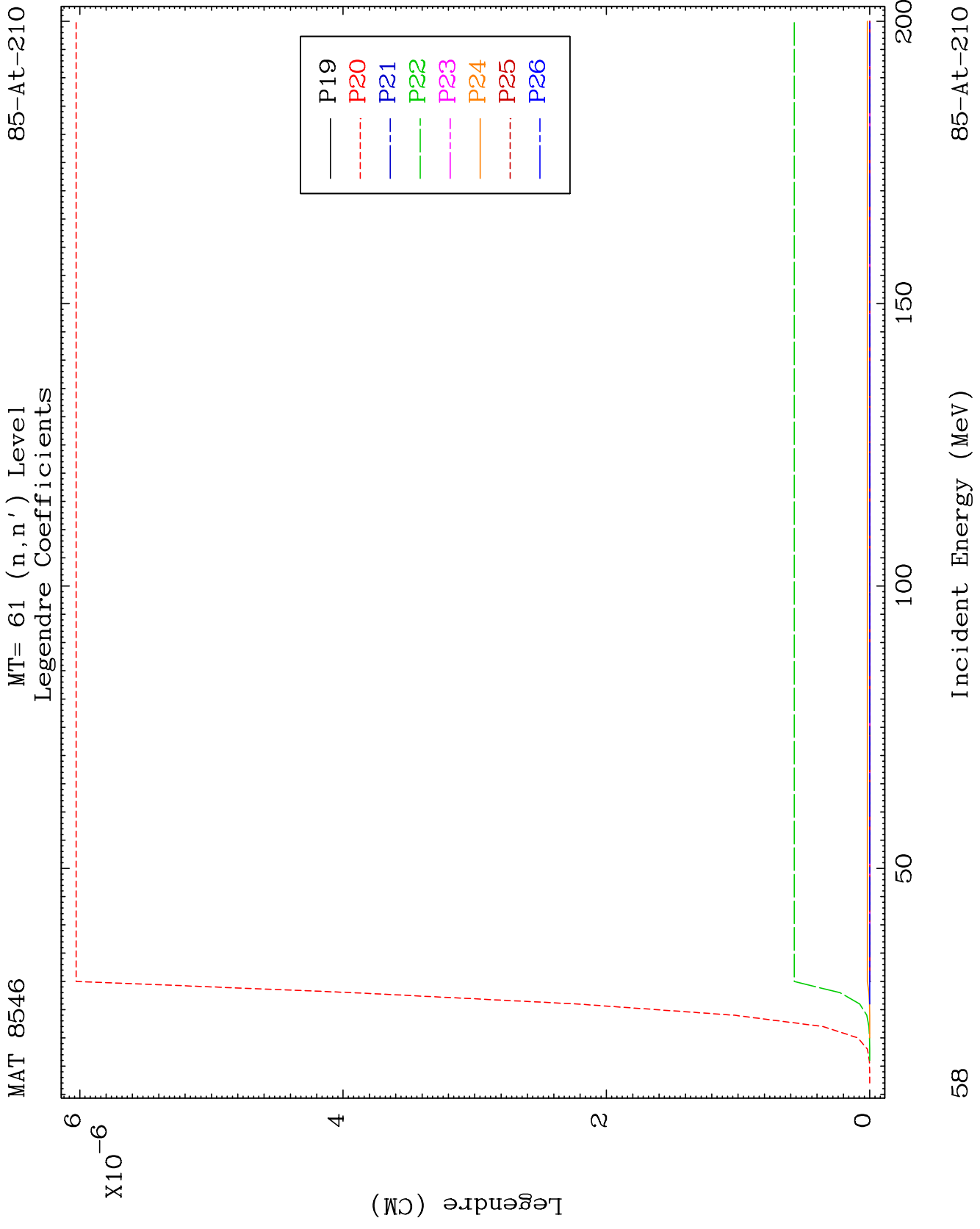
MT= 61 (n,n') Level  
Legendre Coefficients

85-At-210



57

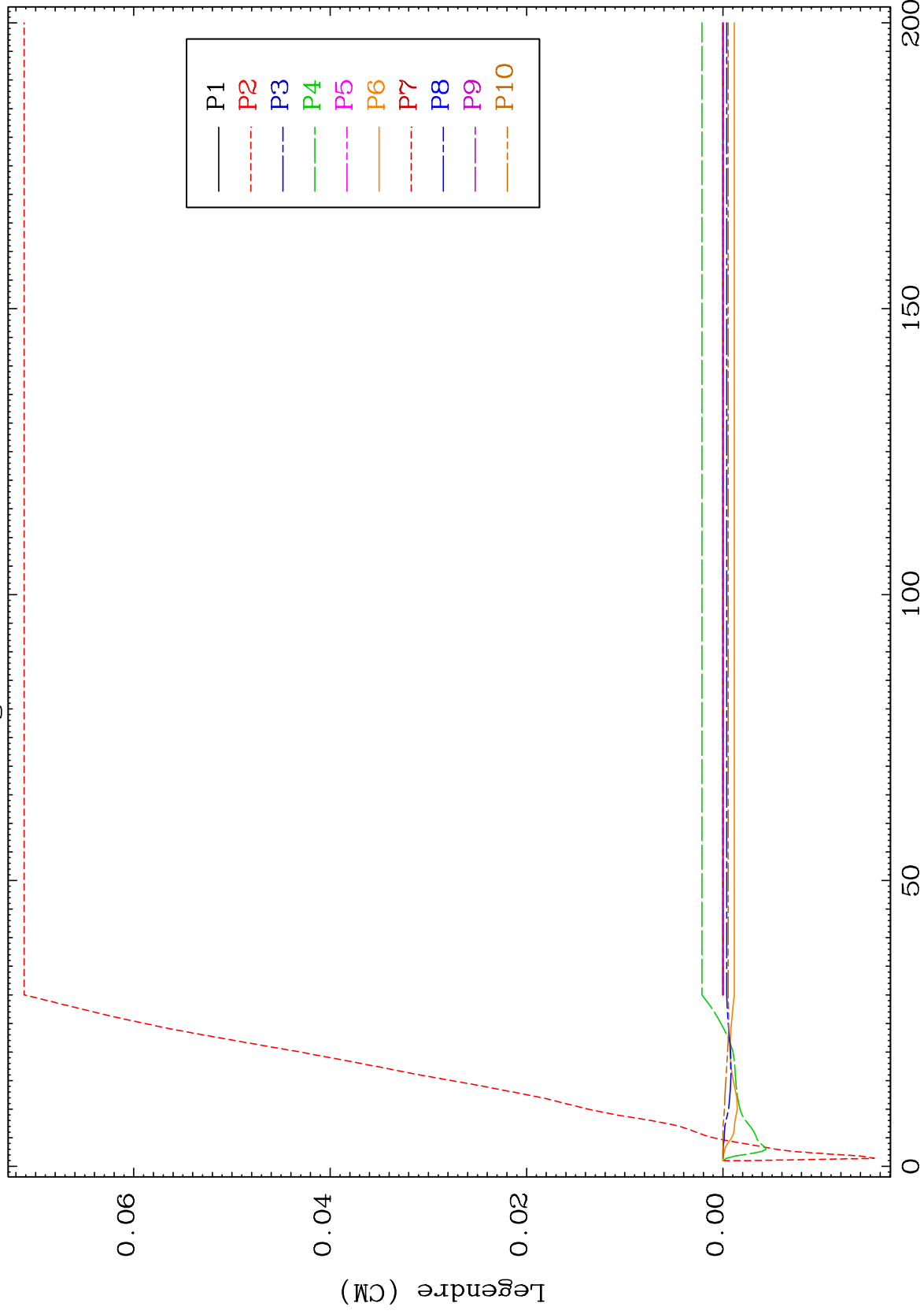
85-At-210



MAT 8546

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

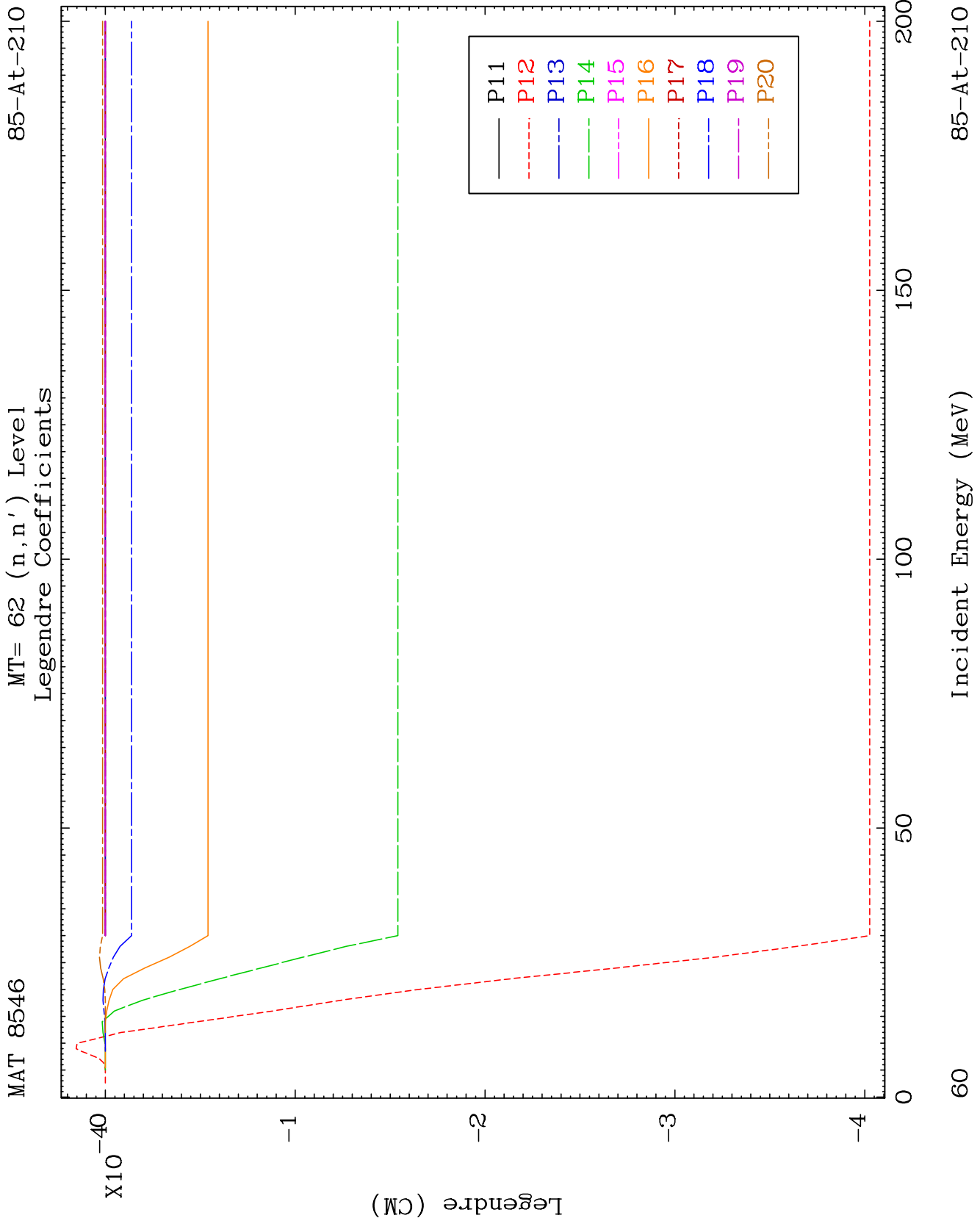
85-At-210

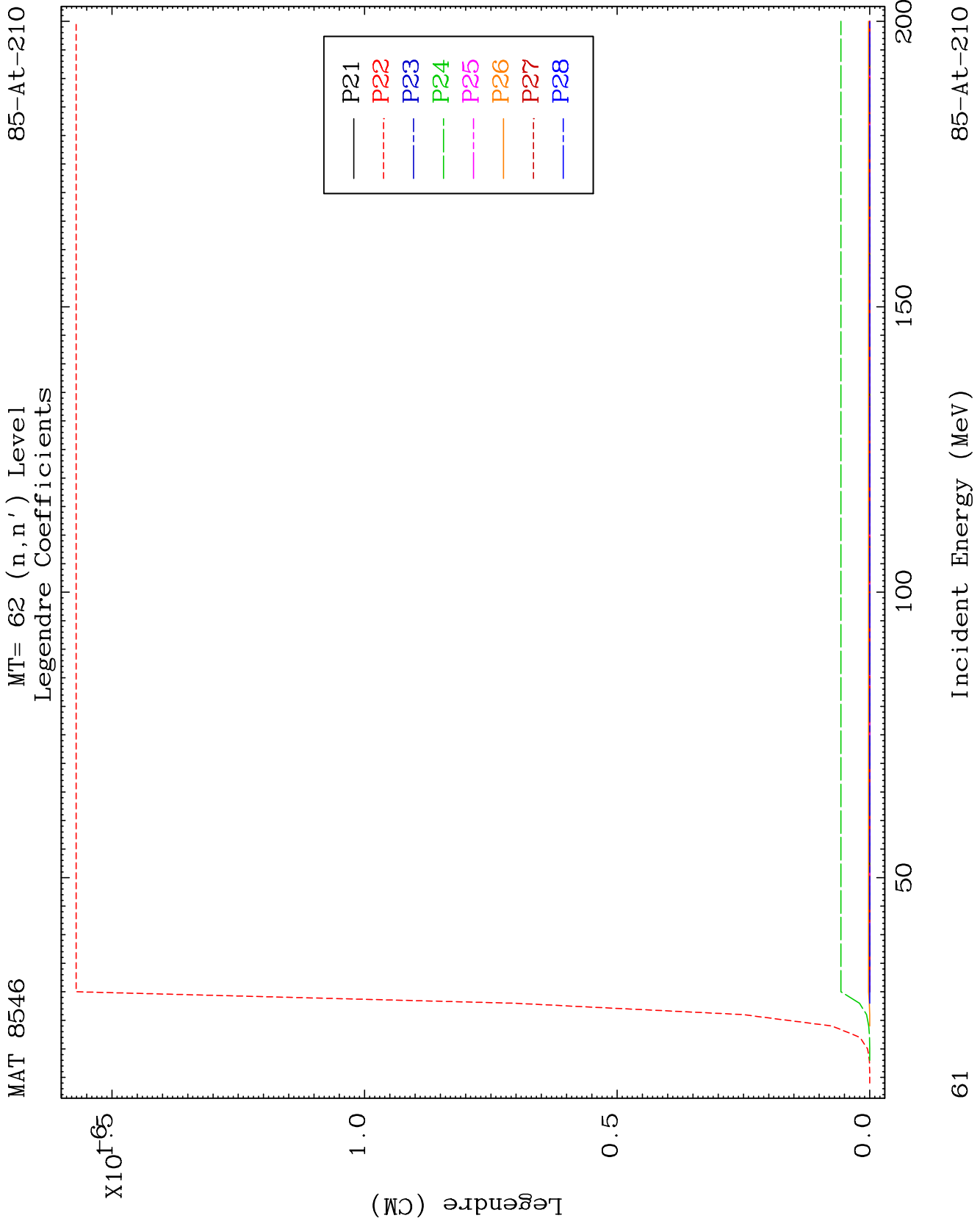


59

Incident Energy (MeV)

85-At-210

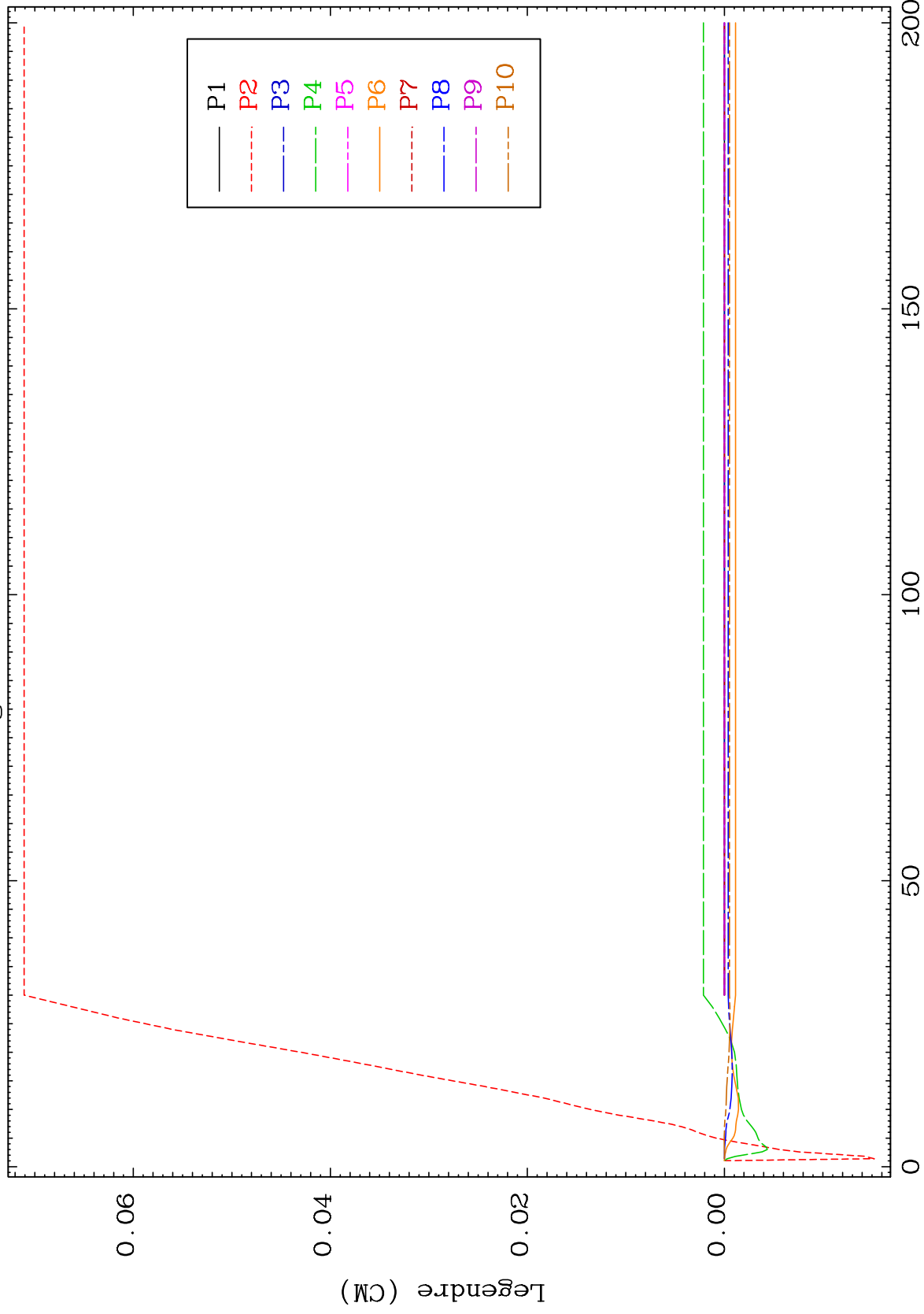




MAT 8546

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

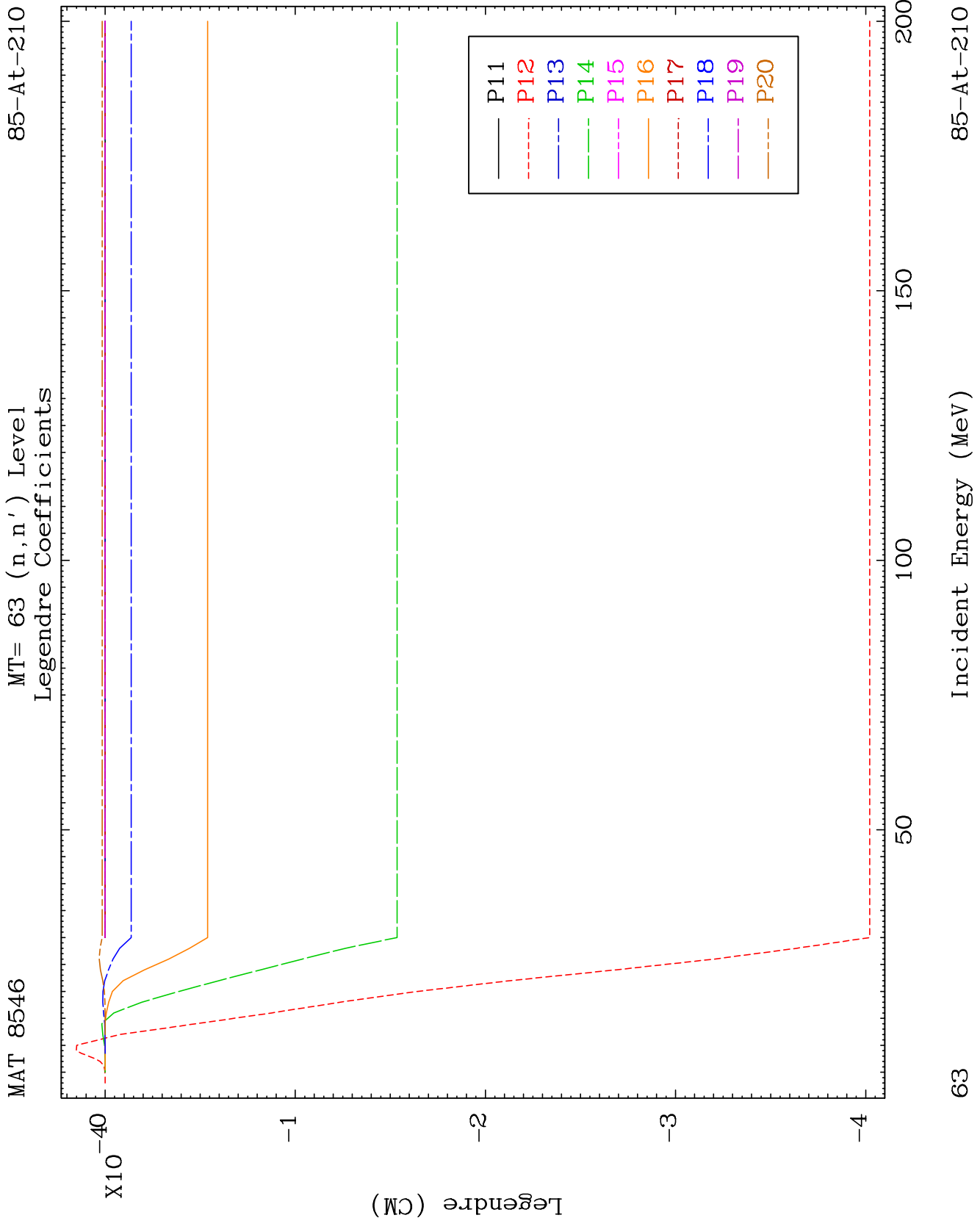
85-At-210



62

Incident Energy (MeV)

85-At-210



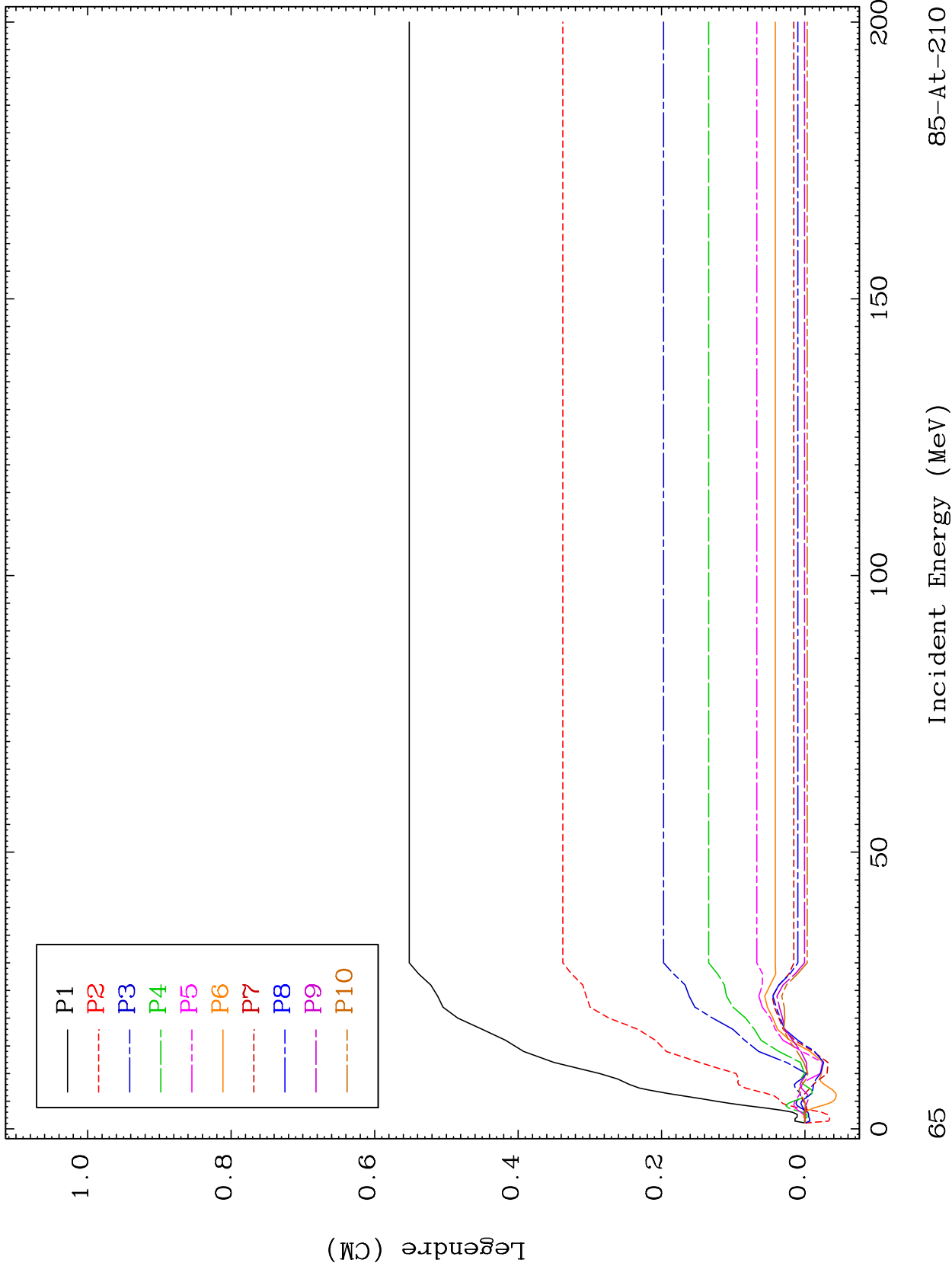




MAT 8546

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

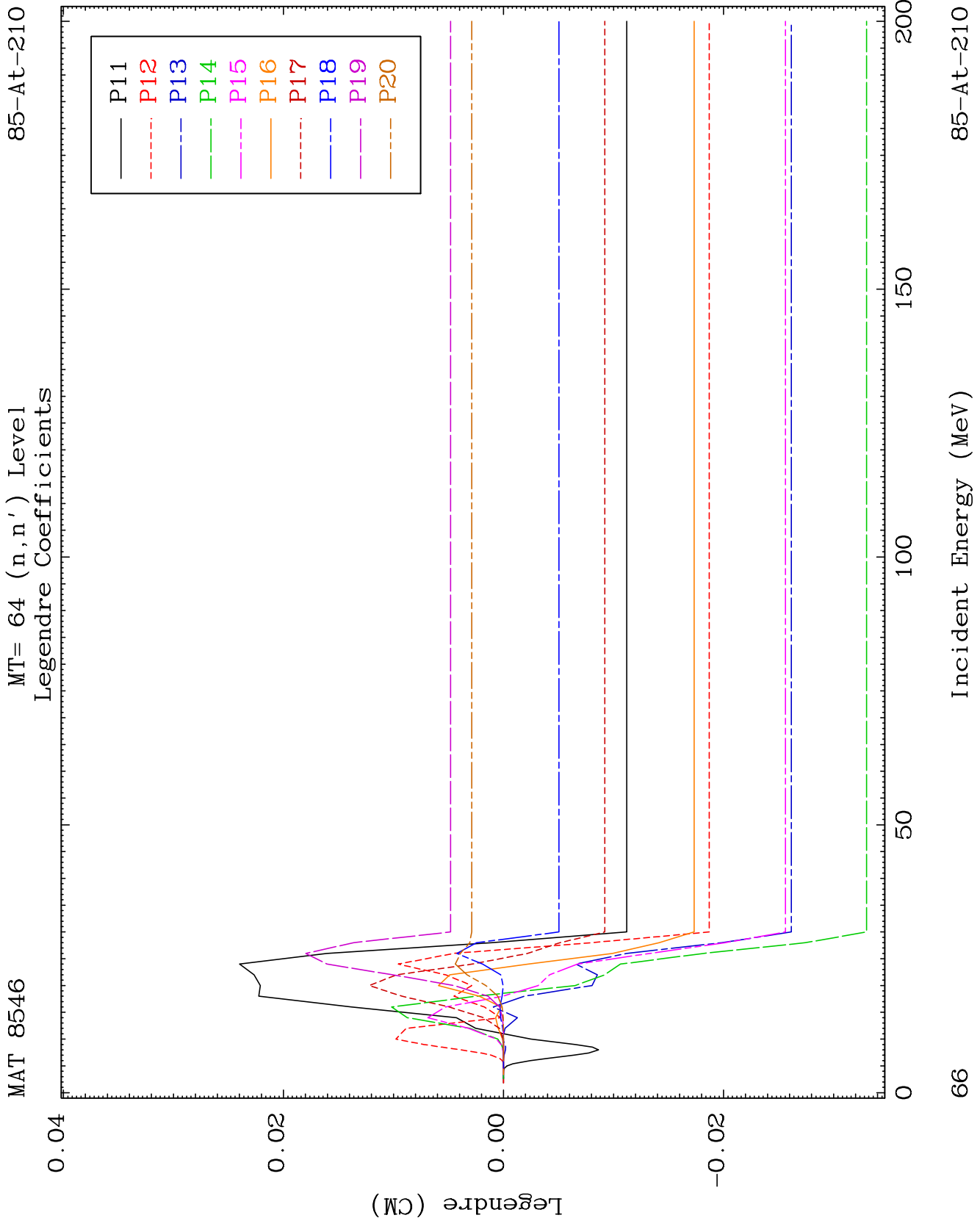
85-At-210



85-At-210

Incident Energy (MeV)

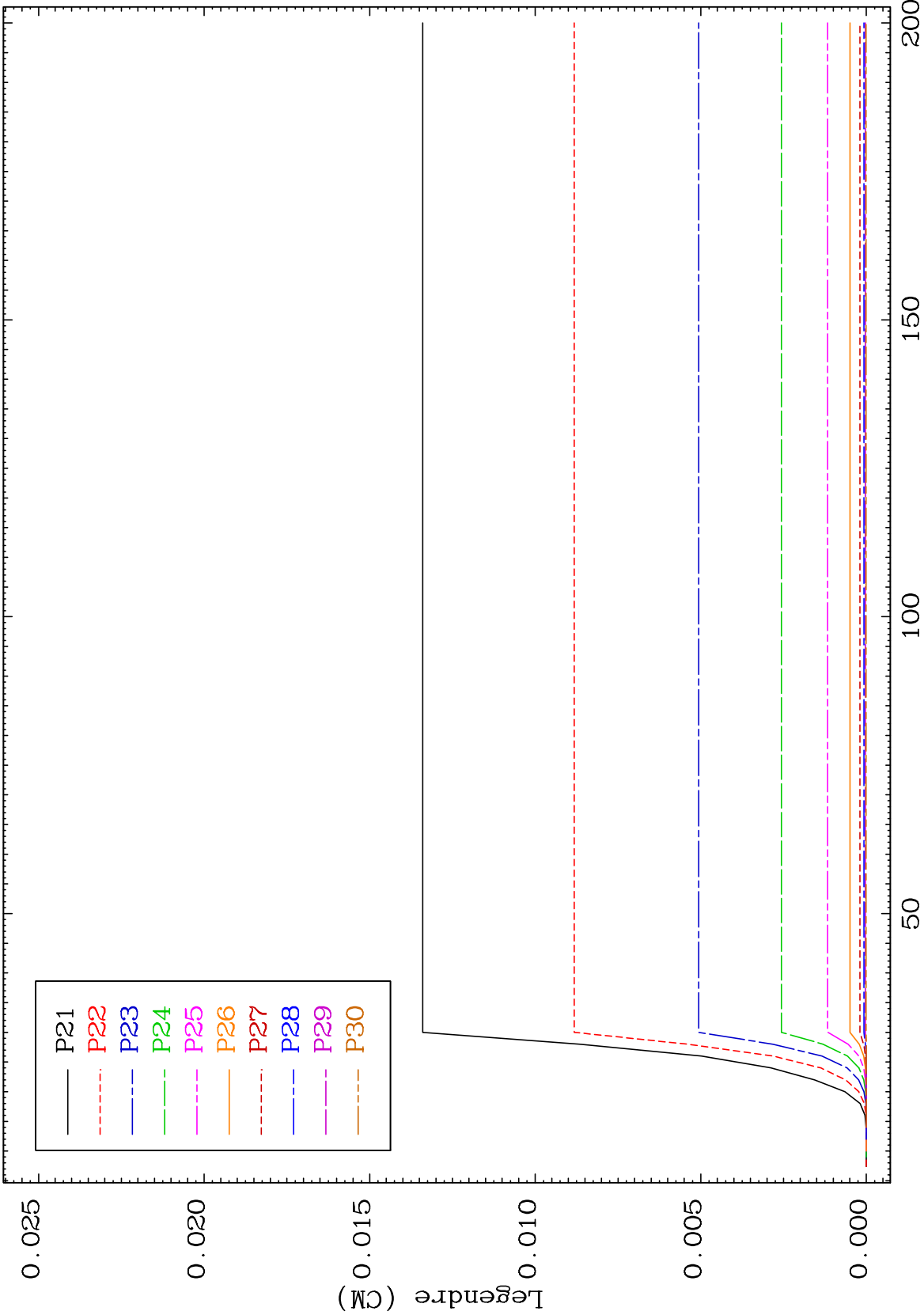
65



MAT 8546

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

85-At-210



67

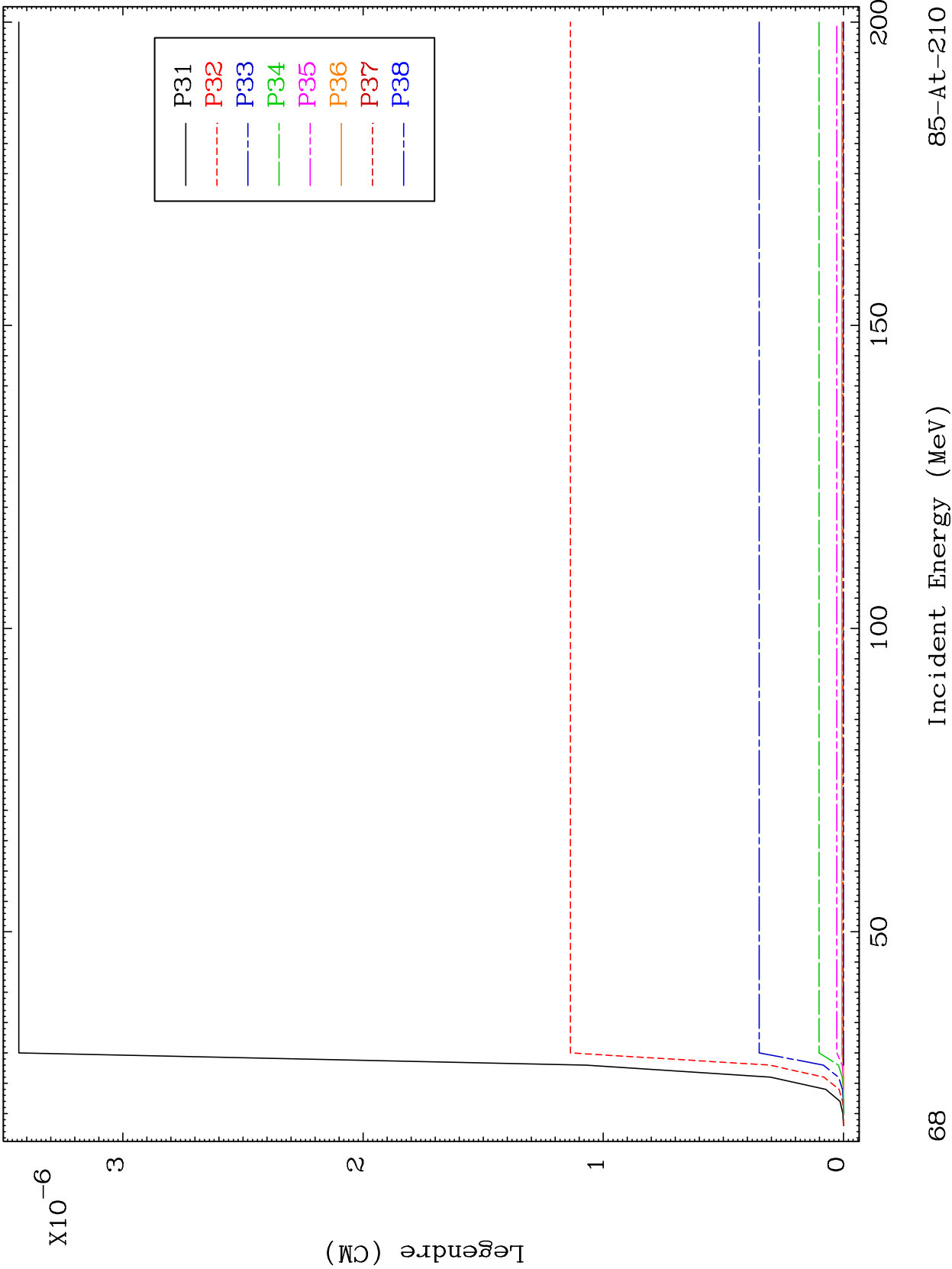
Incident Energy (MeV)

85-At-210

MAT 8546

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

85-At-210



68

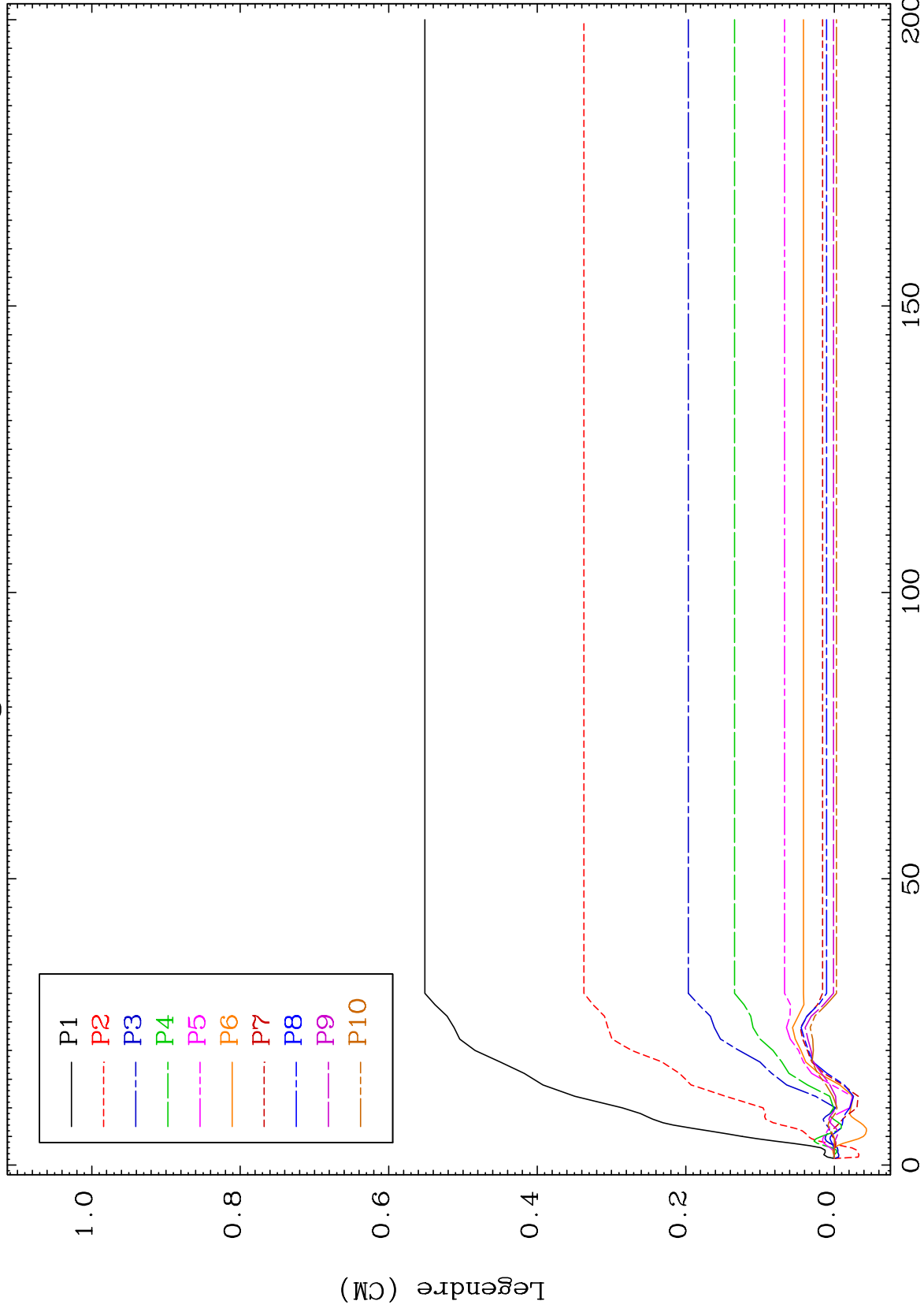
Incident Energy (MeV)

85-At-210

MAT 8546

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

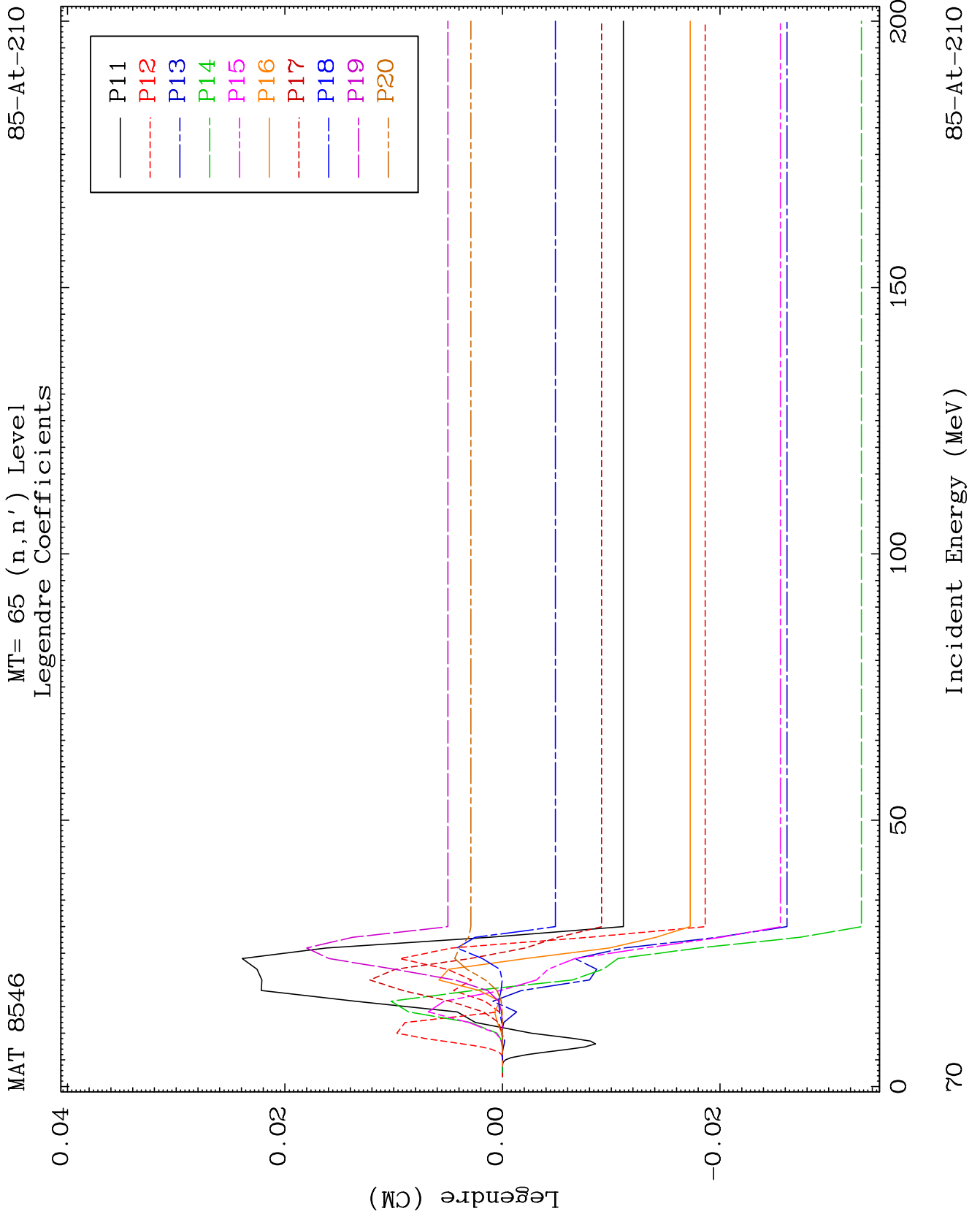
85-At-210



69

Incident Energy (MeV)

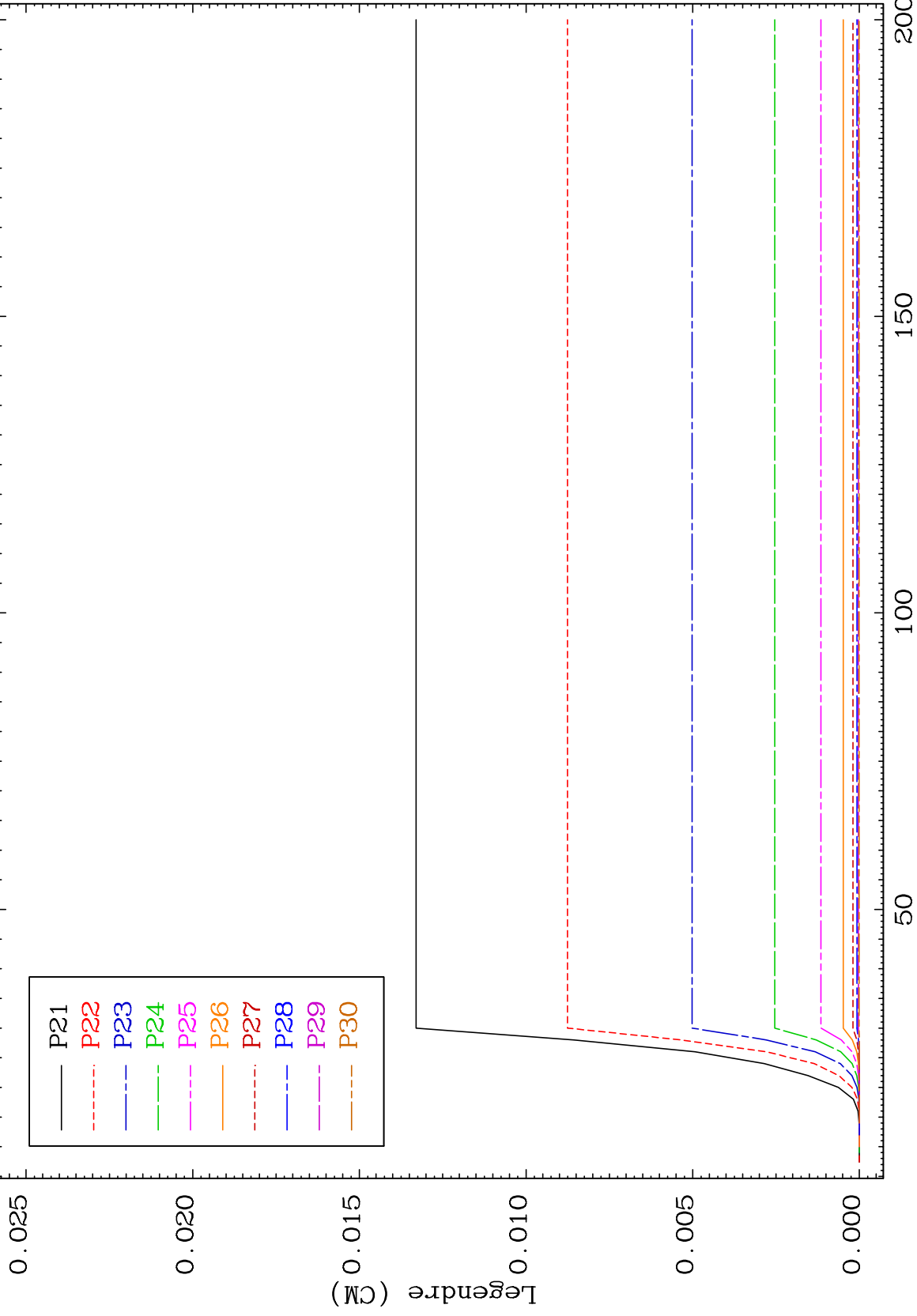
85-At-210



MAT 8546

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

85-At-210



71

Incident Energy (MeV)

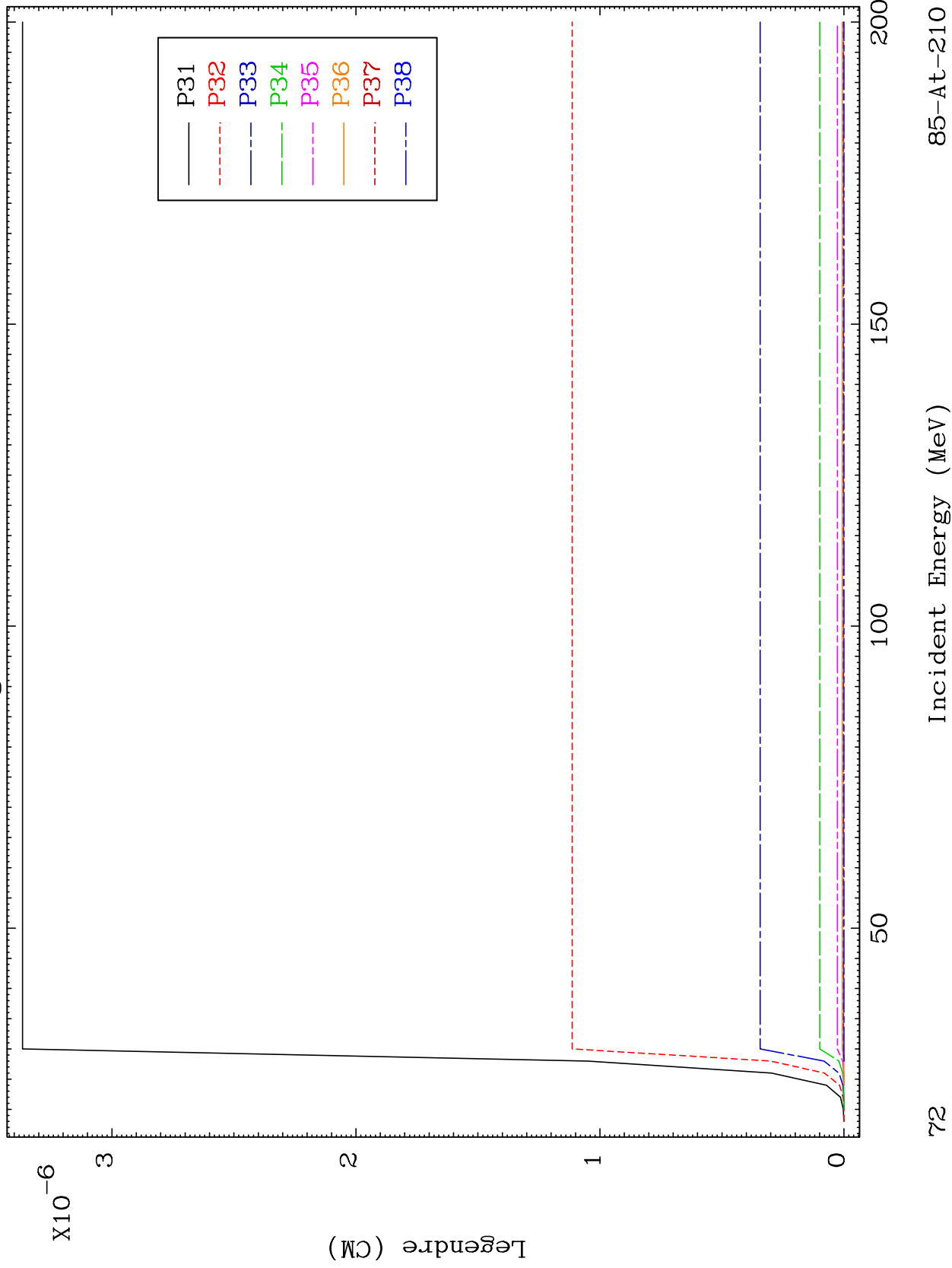
85-At-210

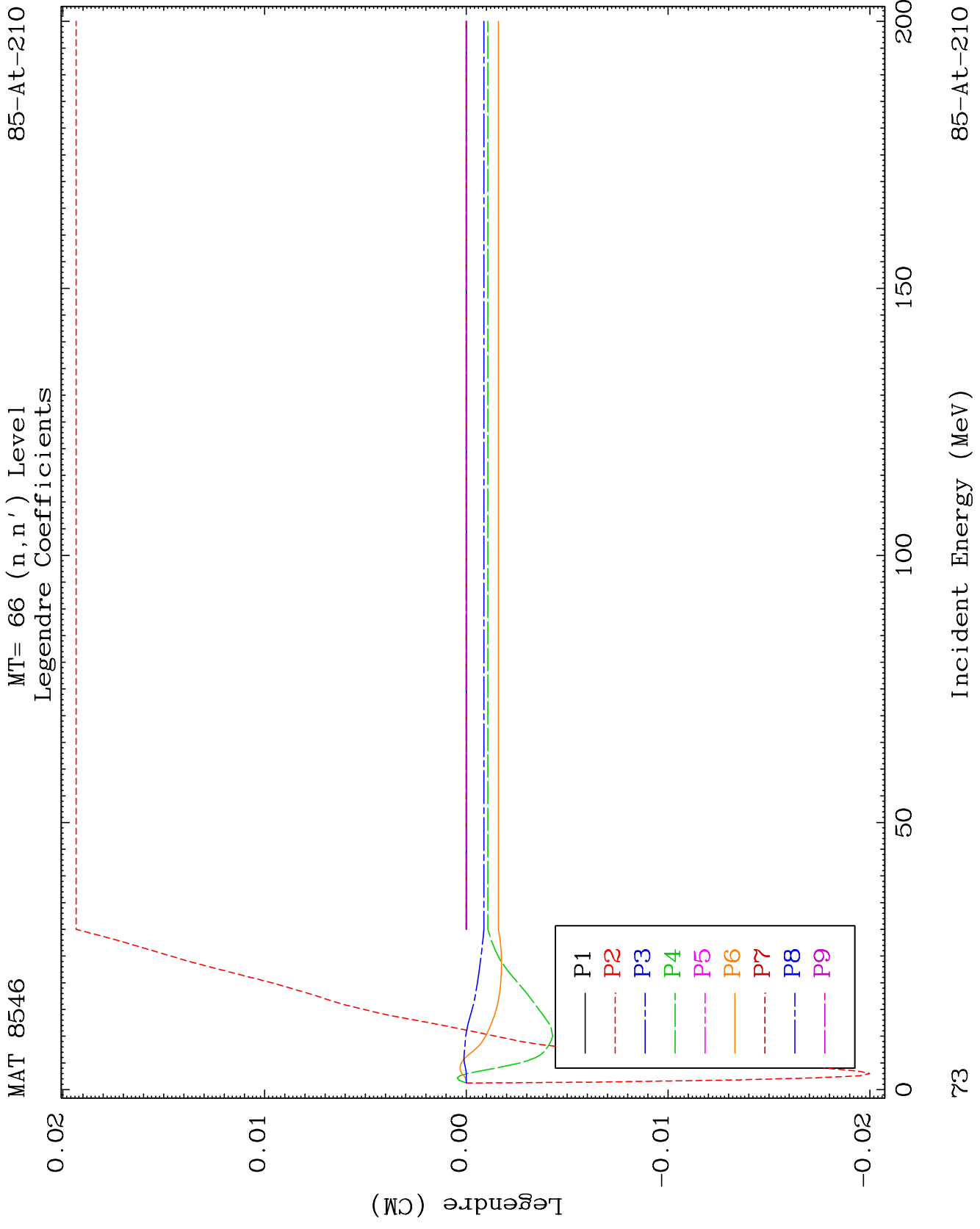


MAT 8546

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

85-At-210

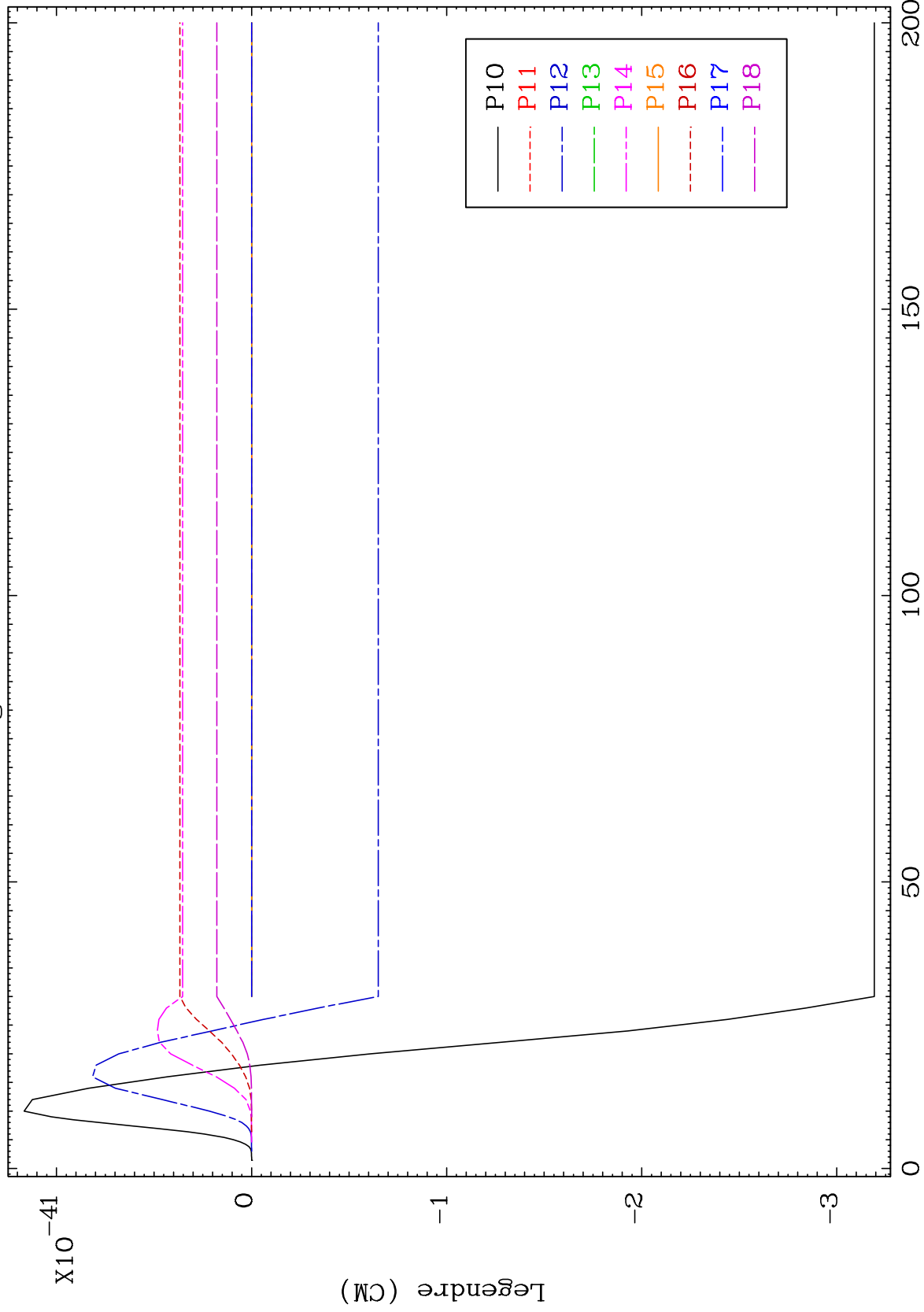




MAT 8546

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

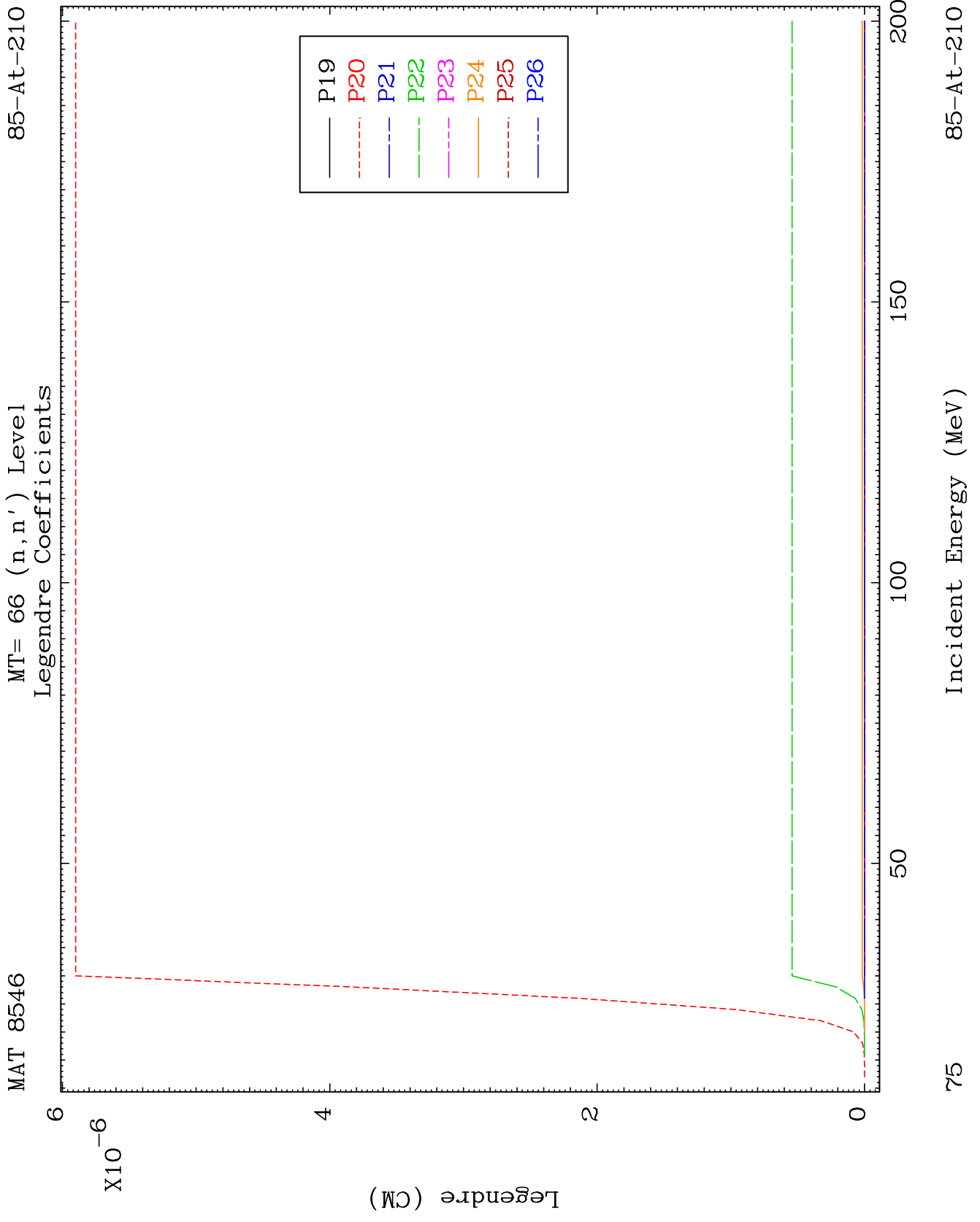
85-At-210



74

Incident Energy (MeV)

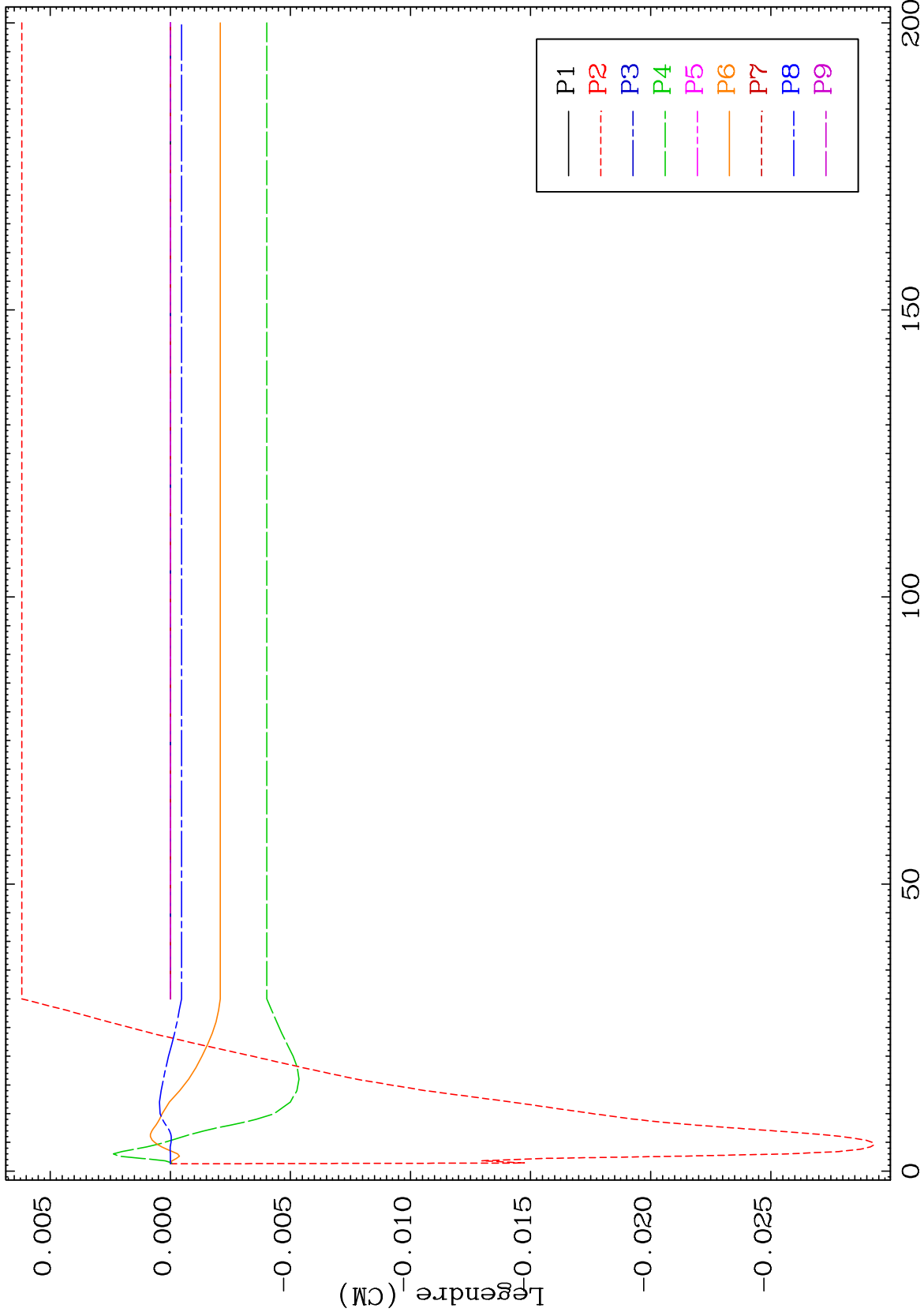
85-At-210



MAT 8546

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

85-At-210



76

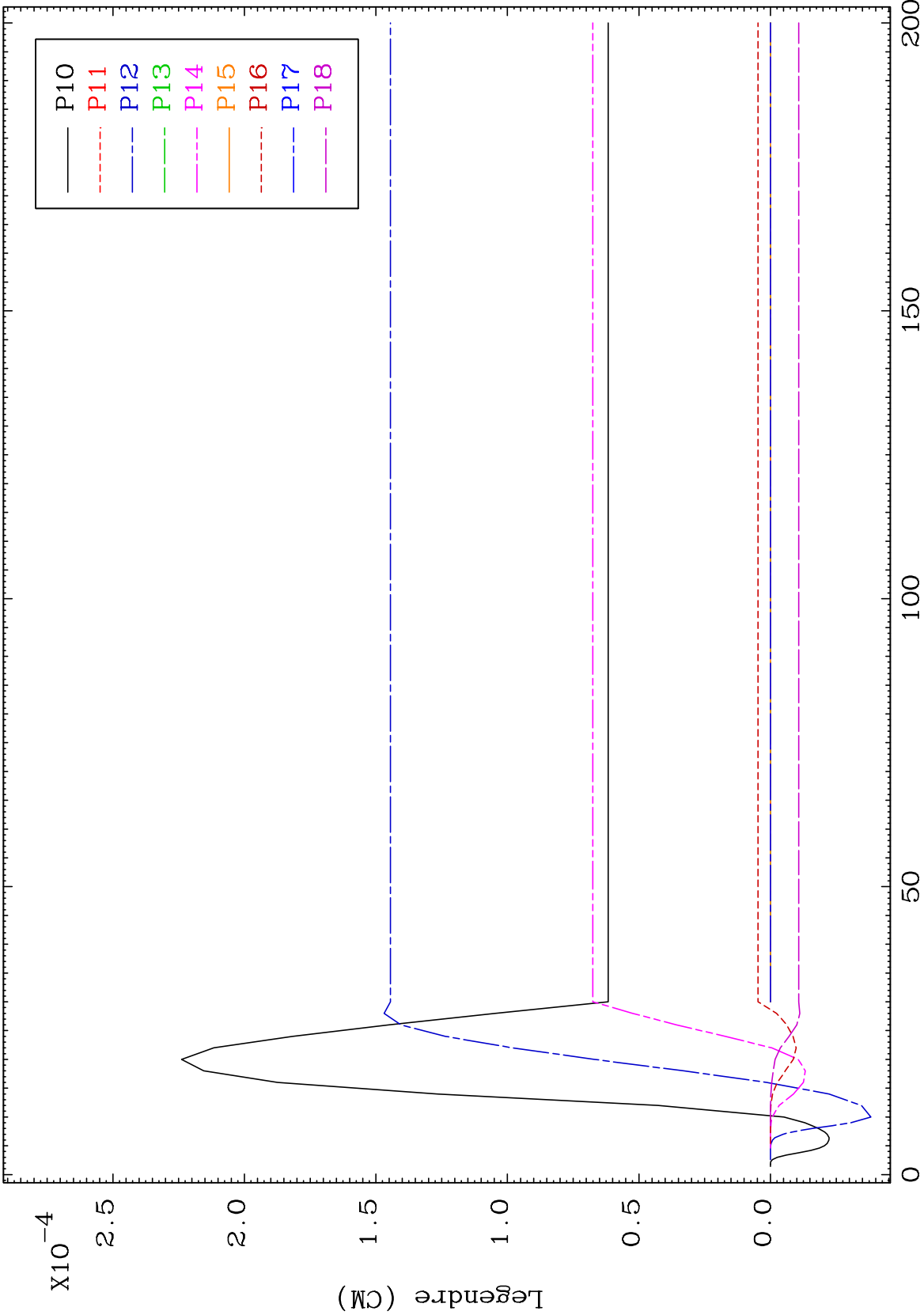
Incident Energy (MeV)

85-At-210

MAT 8546

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

85-At-210



77

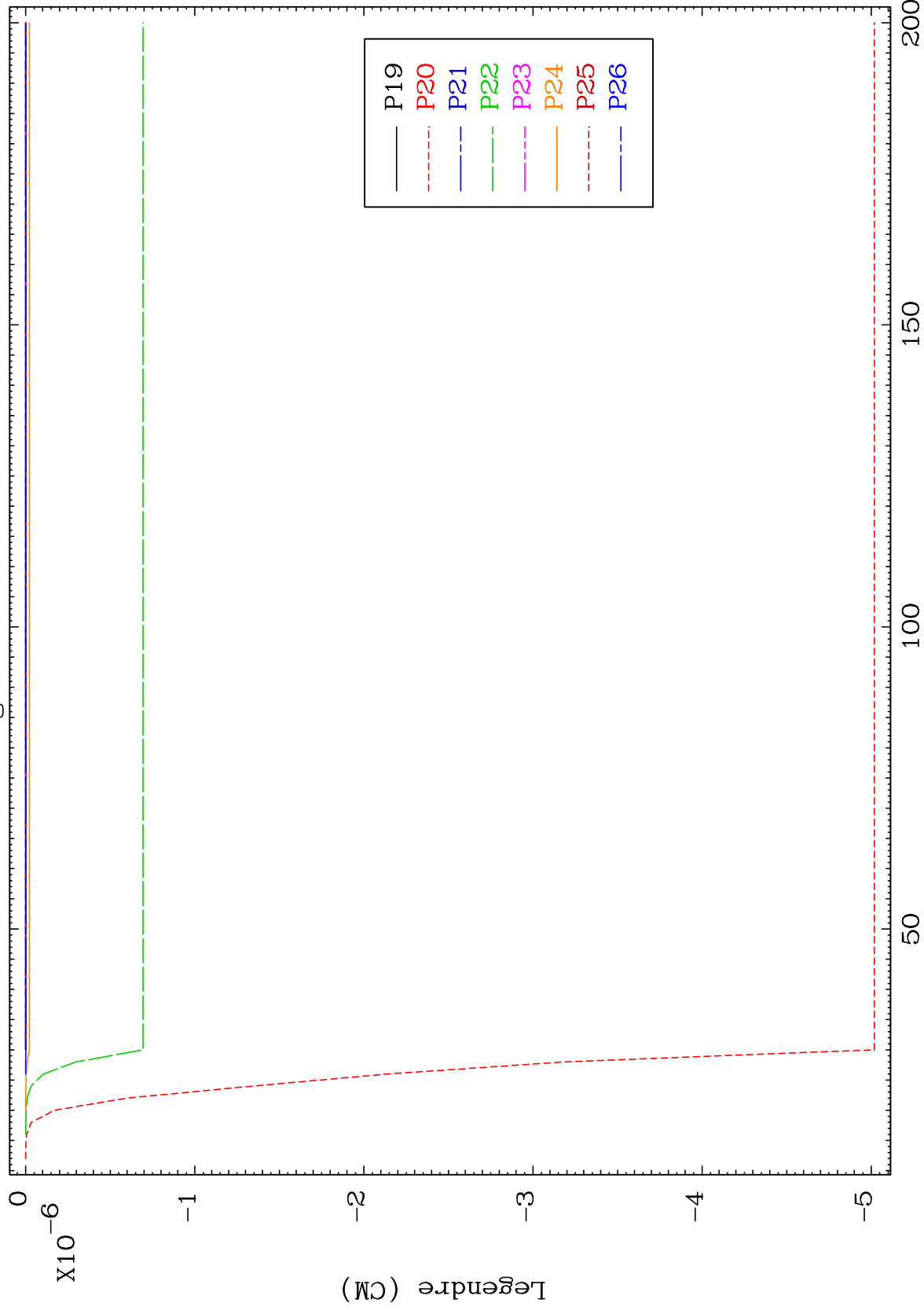
Incident Energy (MeV)

85-At-210

MAT 8546

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

85-At-210



78

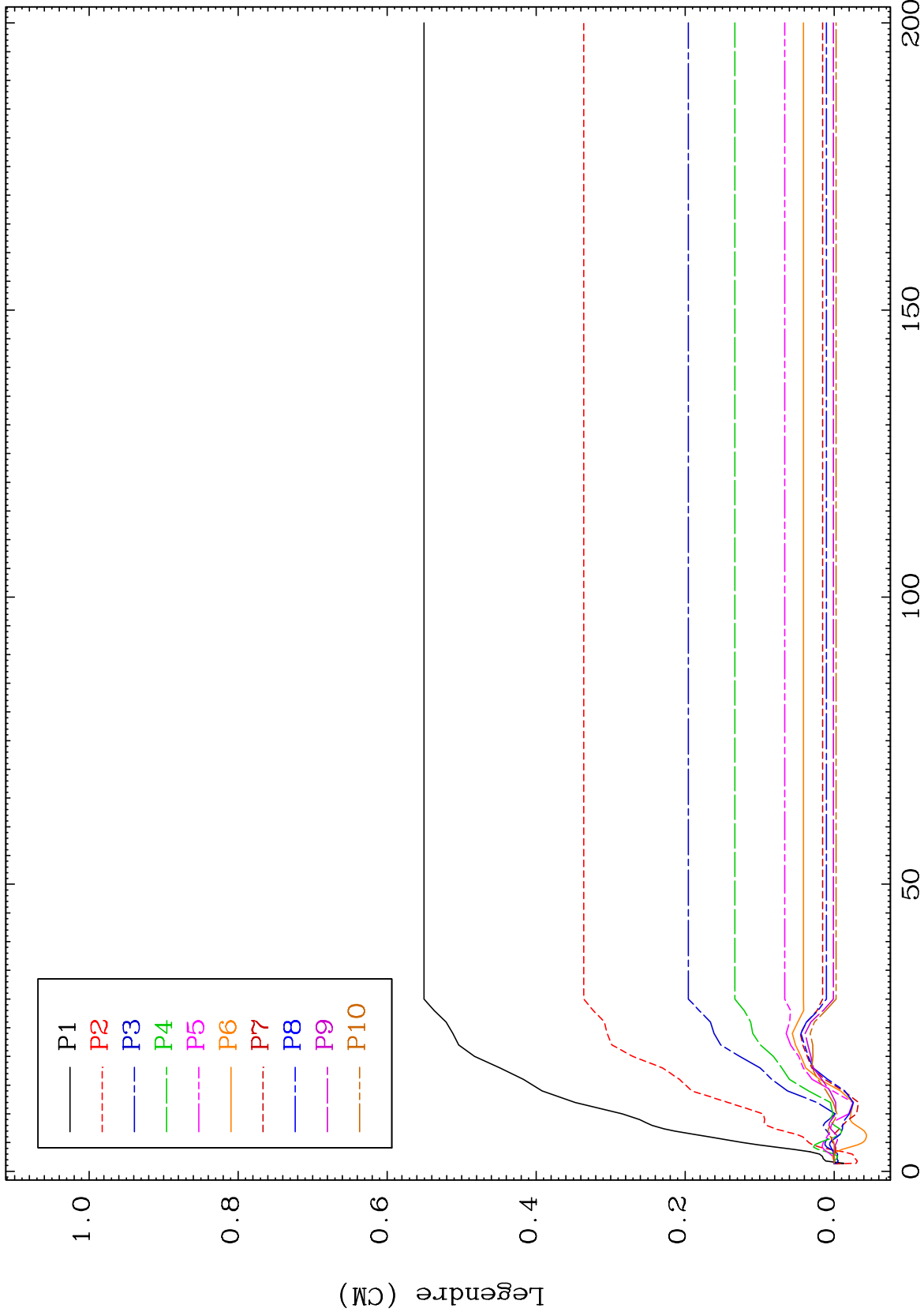
Incident Energy (MeV)

85-At-210

MAT 8546

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

85-At-210

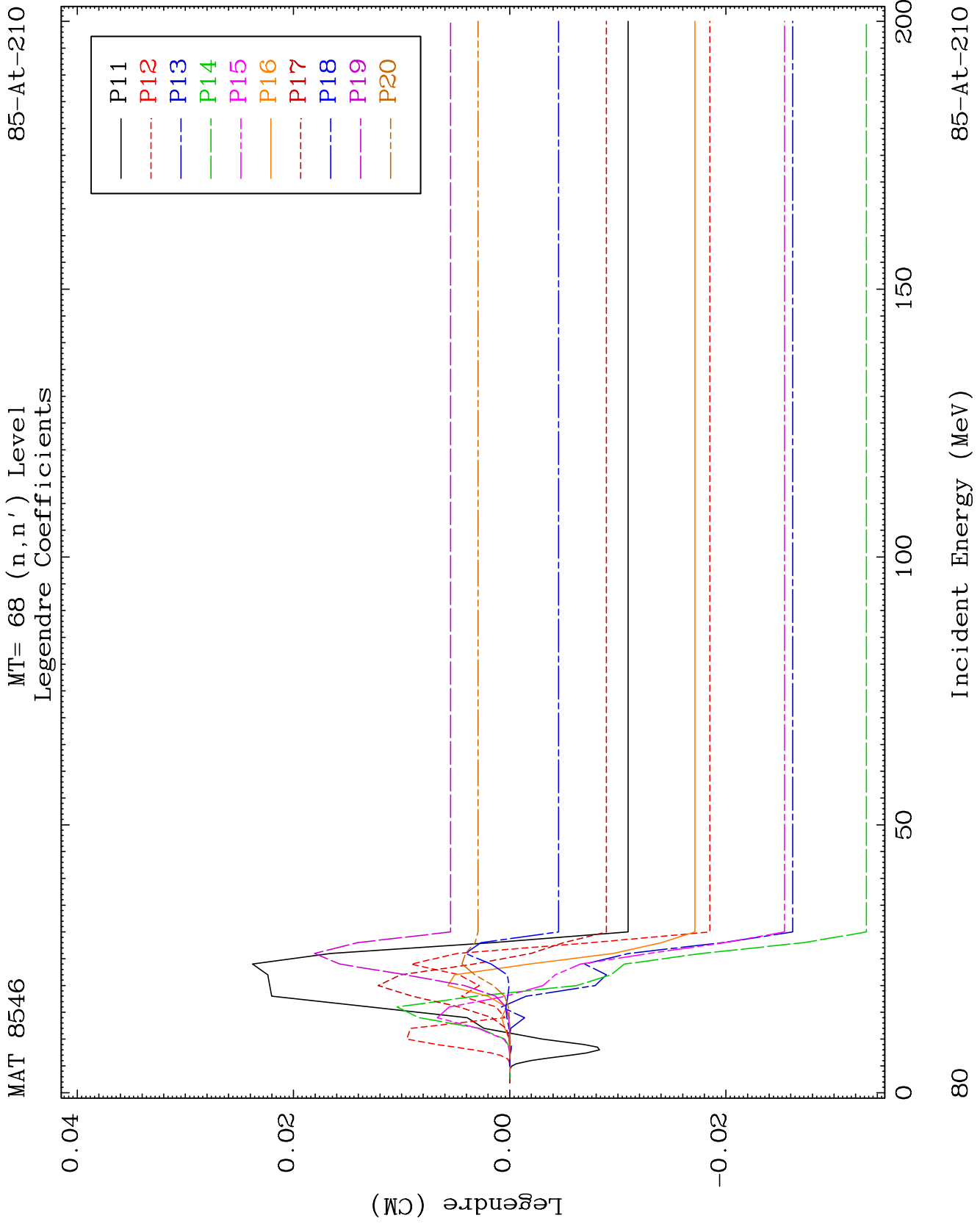


79

Incident Energy (MeV)

85-At-210

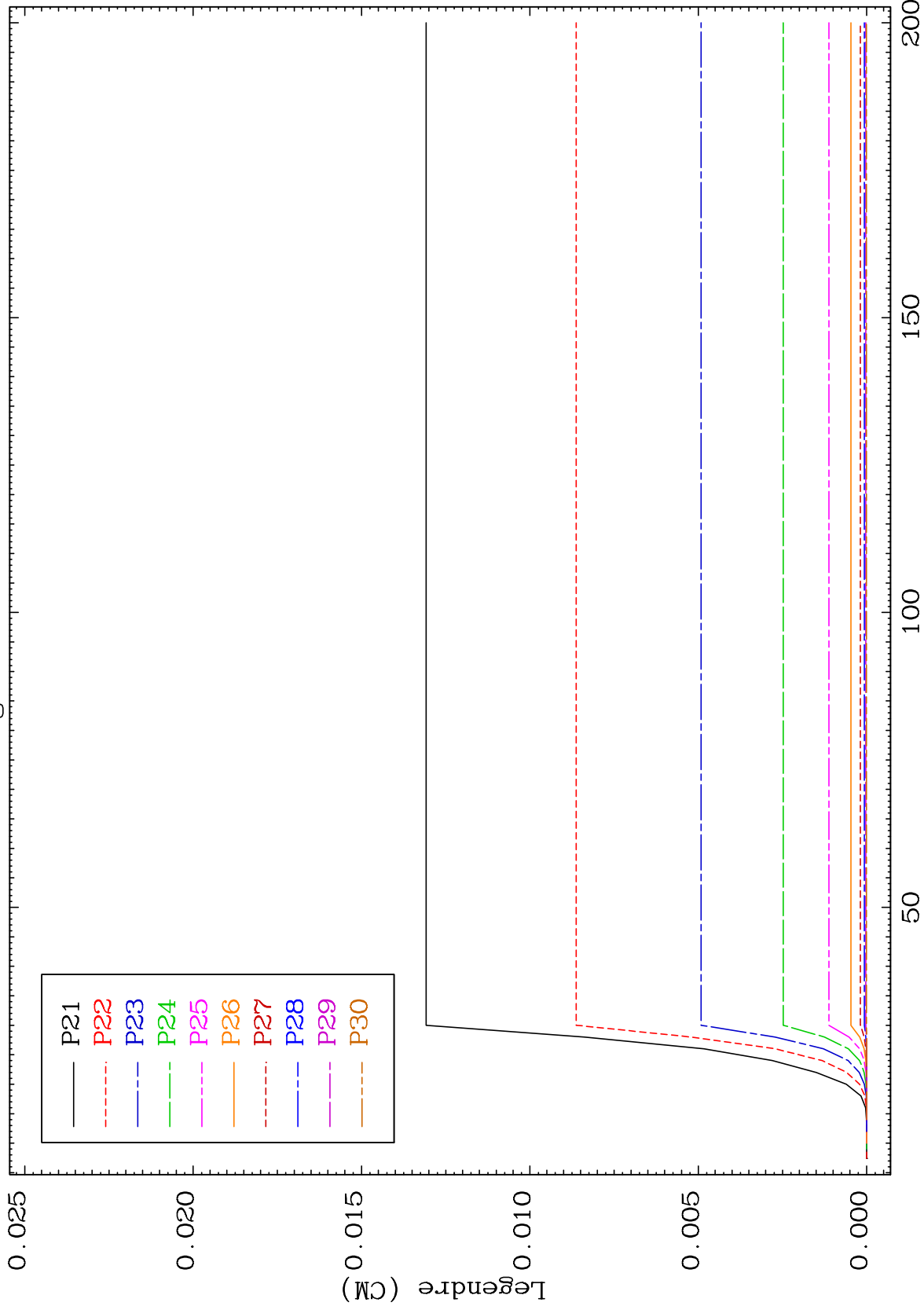




MAT 8546

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

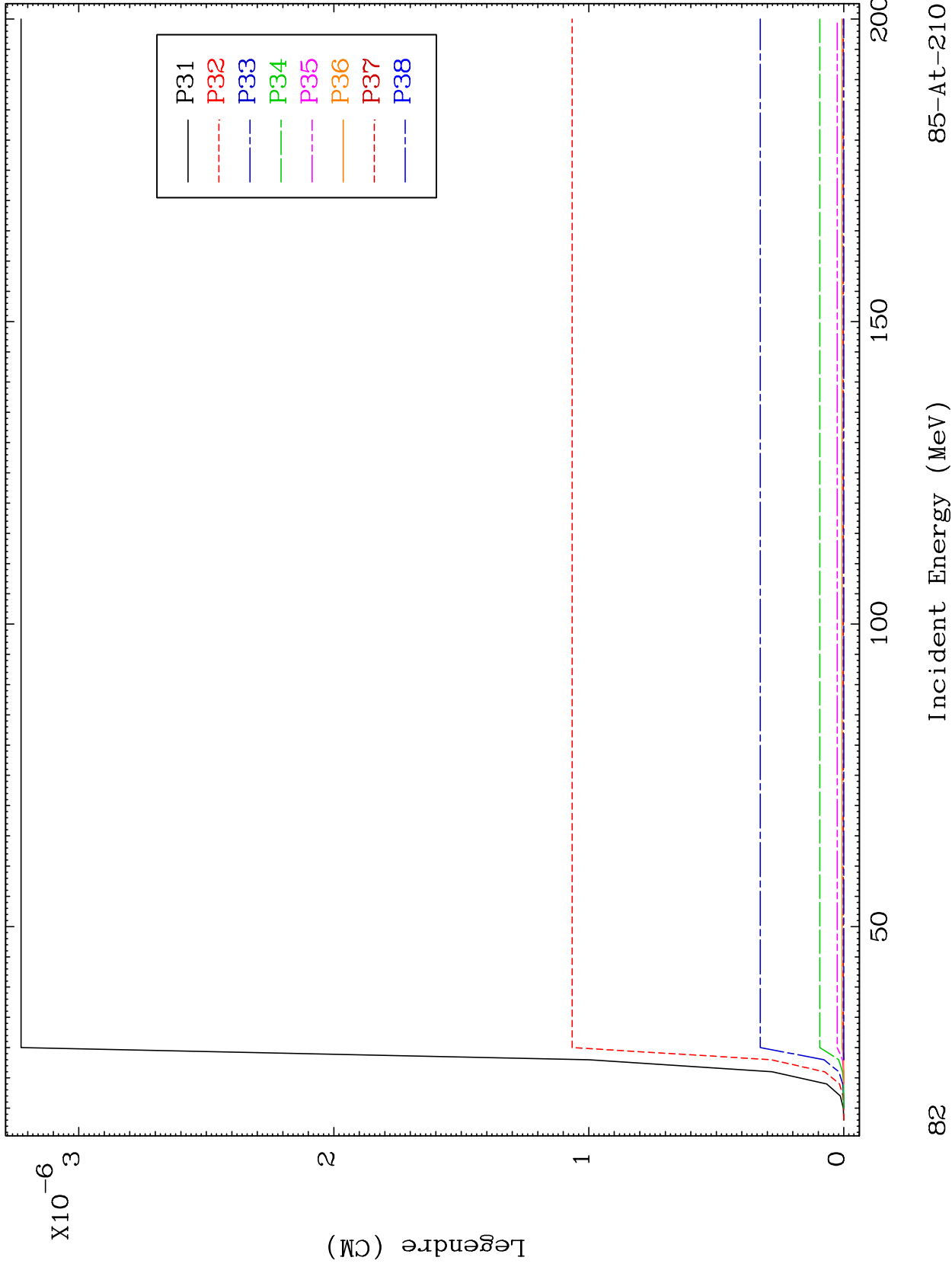
85-At-210



MAT 8546

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

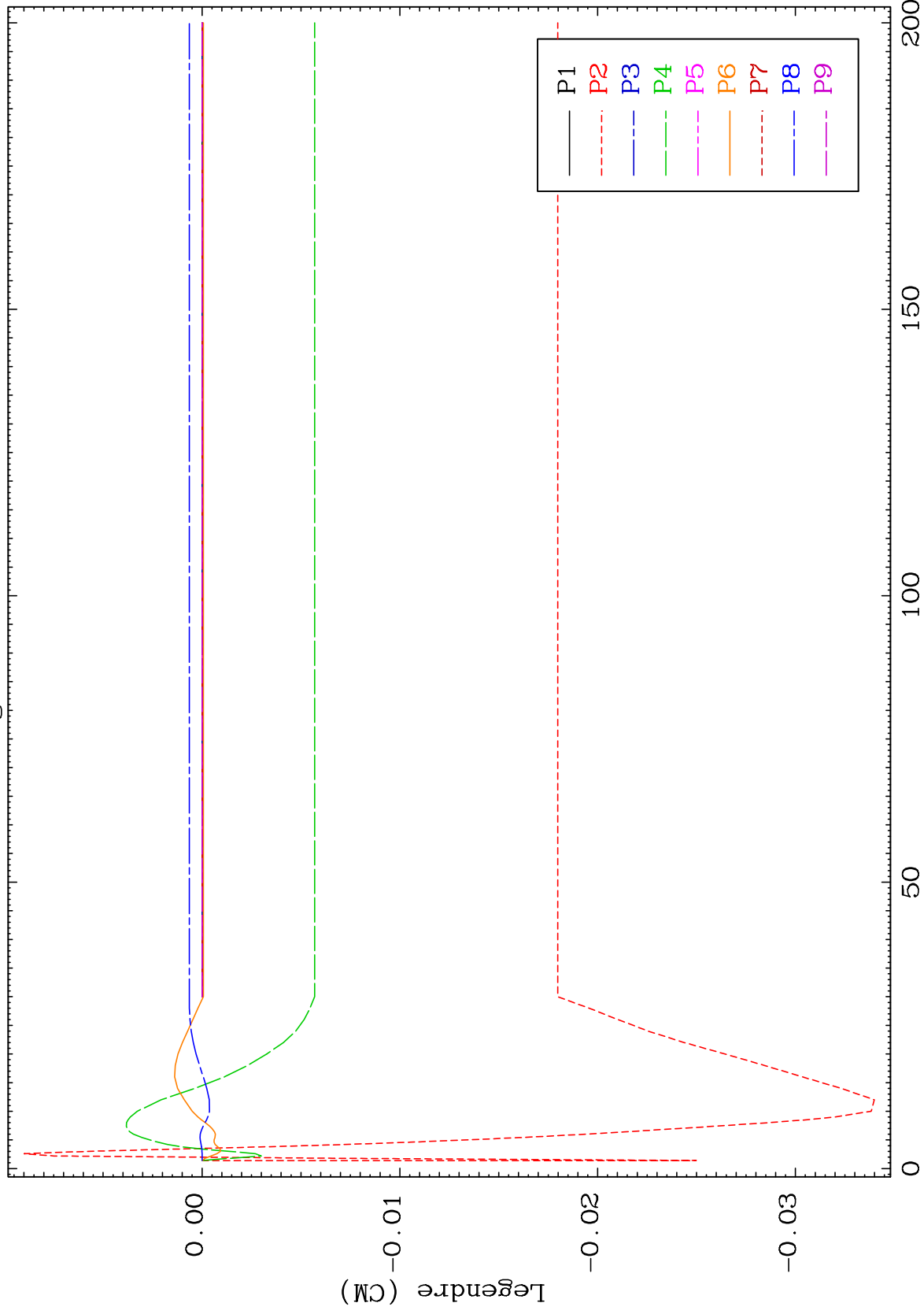
85-At-210



MAT 8546

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

85-At-210



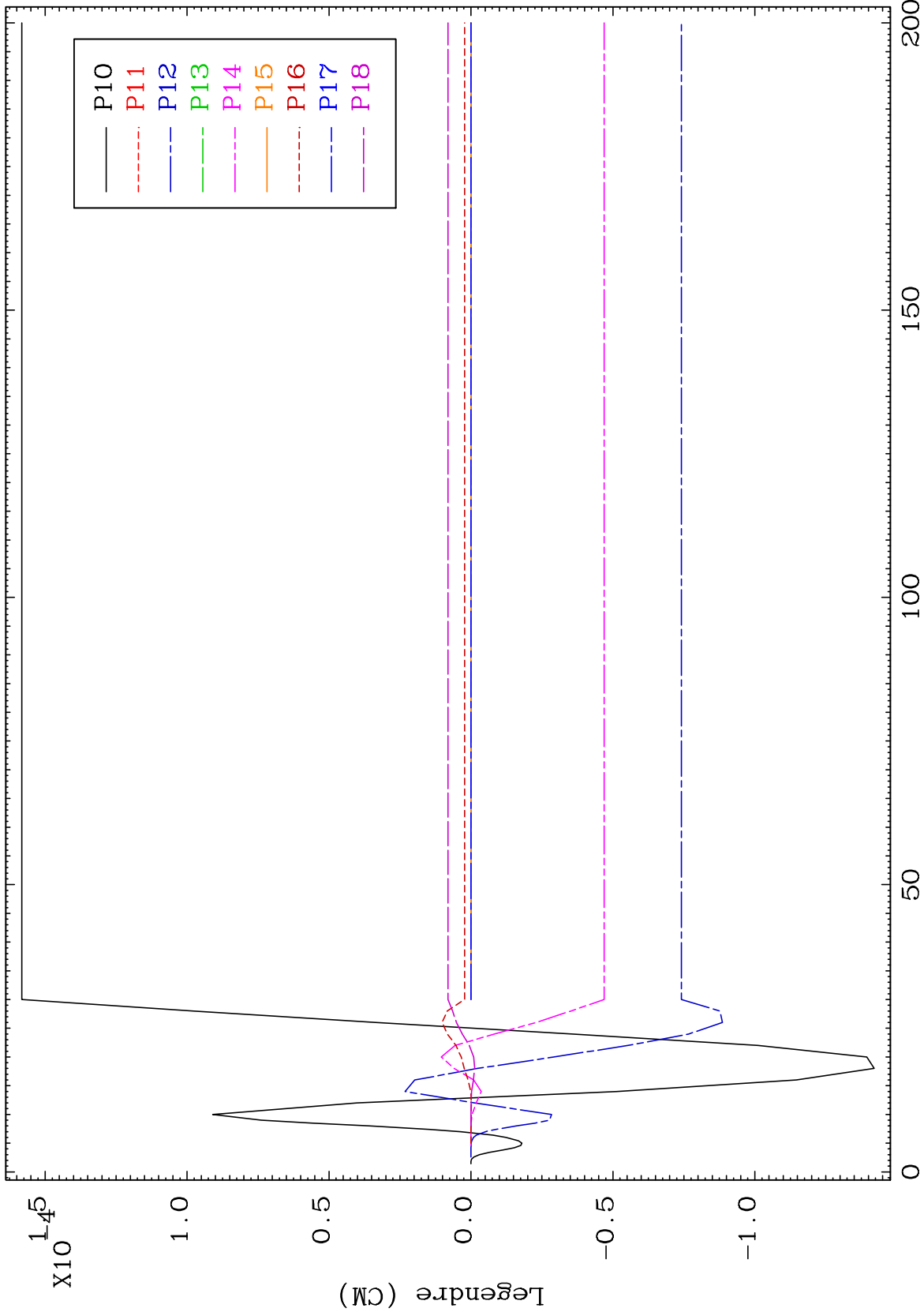
83

85-At-210

MAT 8546

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

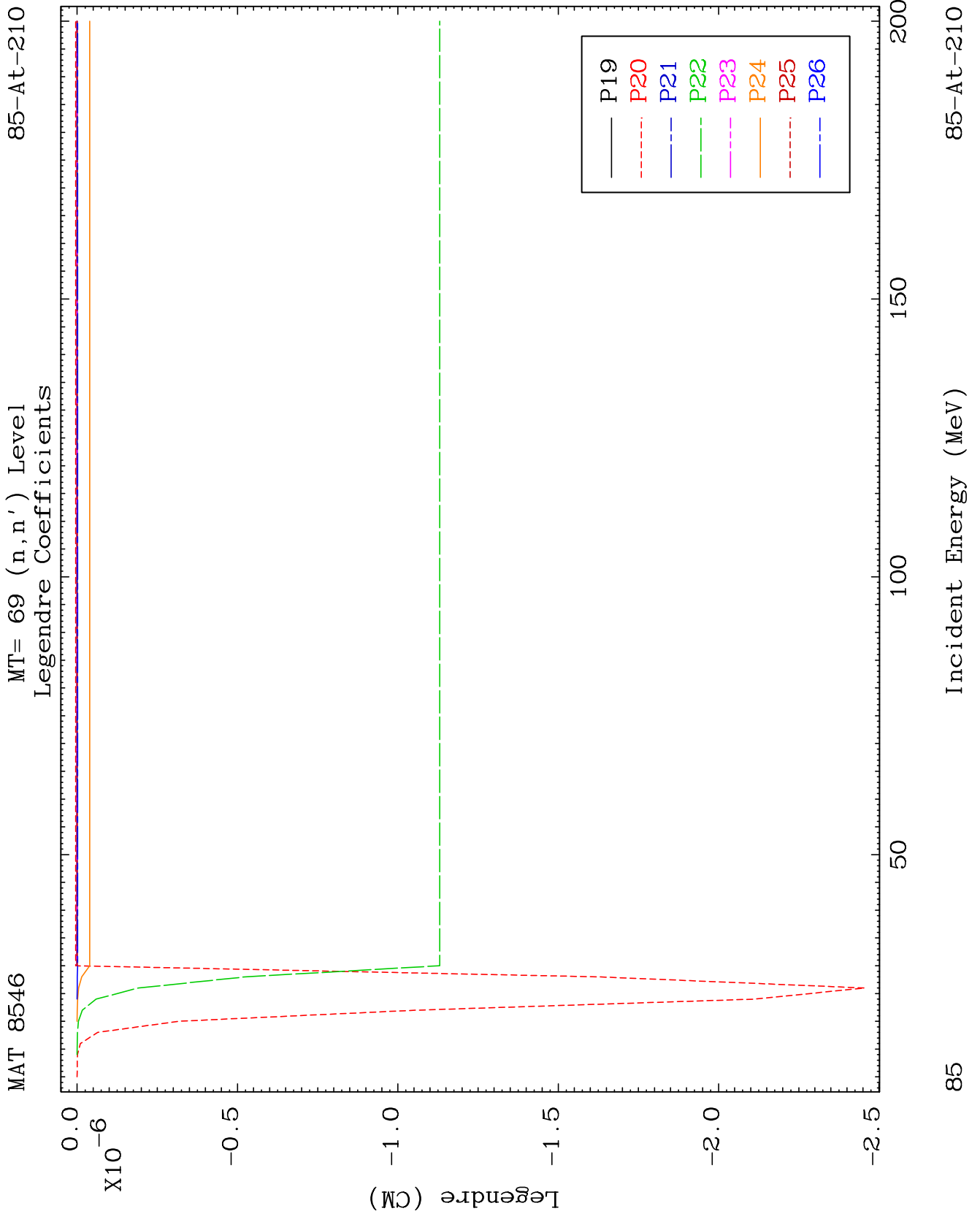
85-At-210



84

Incident Energy (MeV)

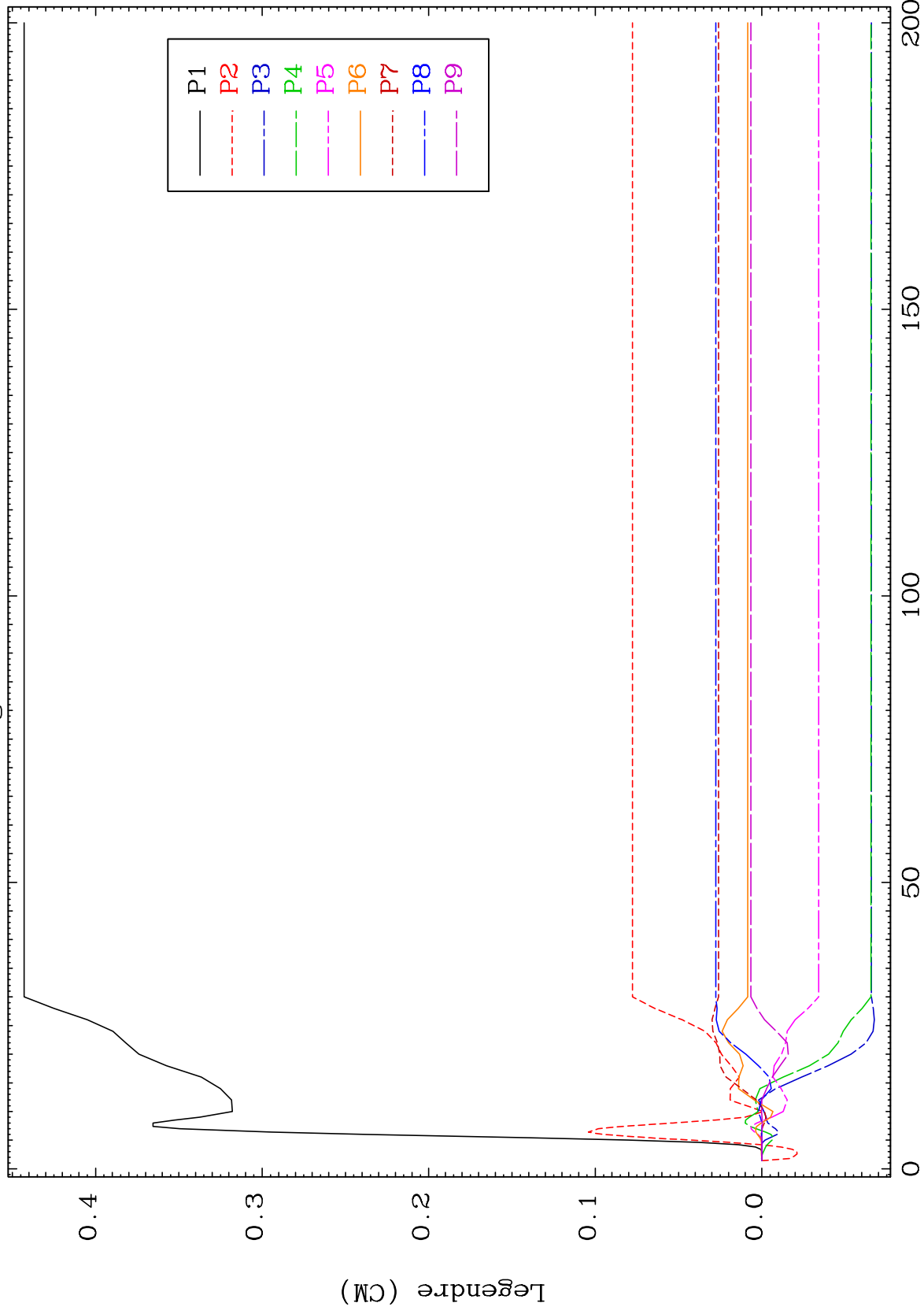
85-At-210



MAT 8546

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

85-At-210



86

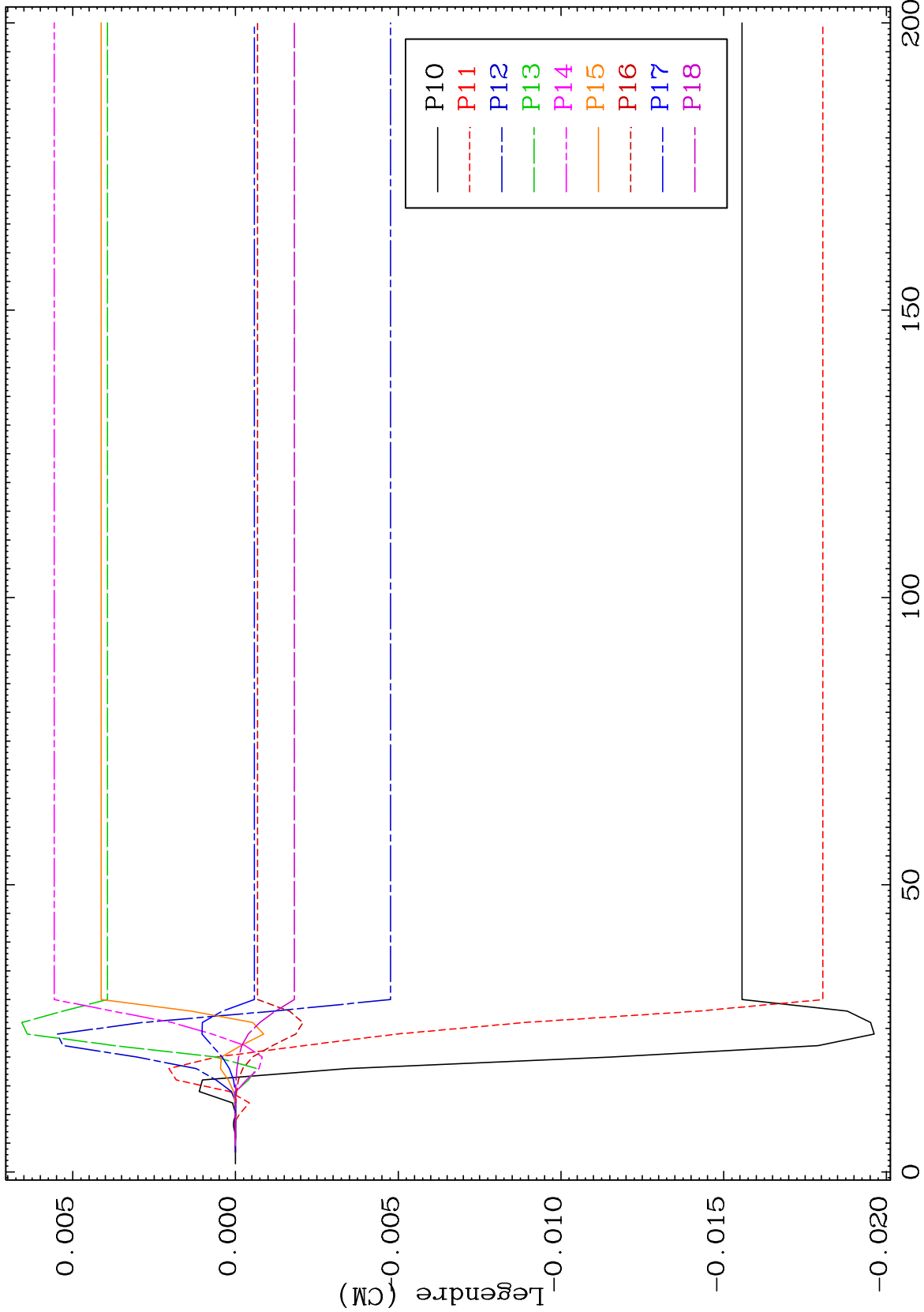
Incident Energy (MeV)

85-At-210

MAT 8546

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

85-At-210



87

Incident Energy (MeV)

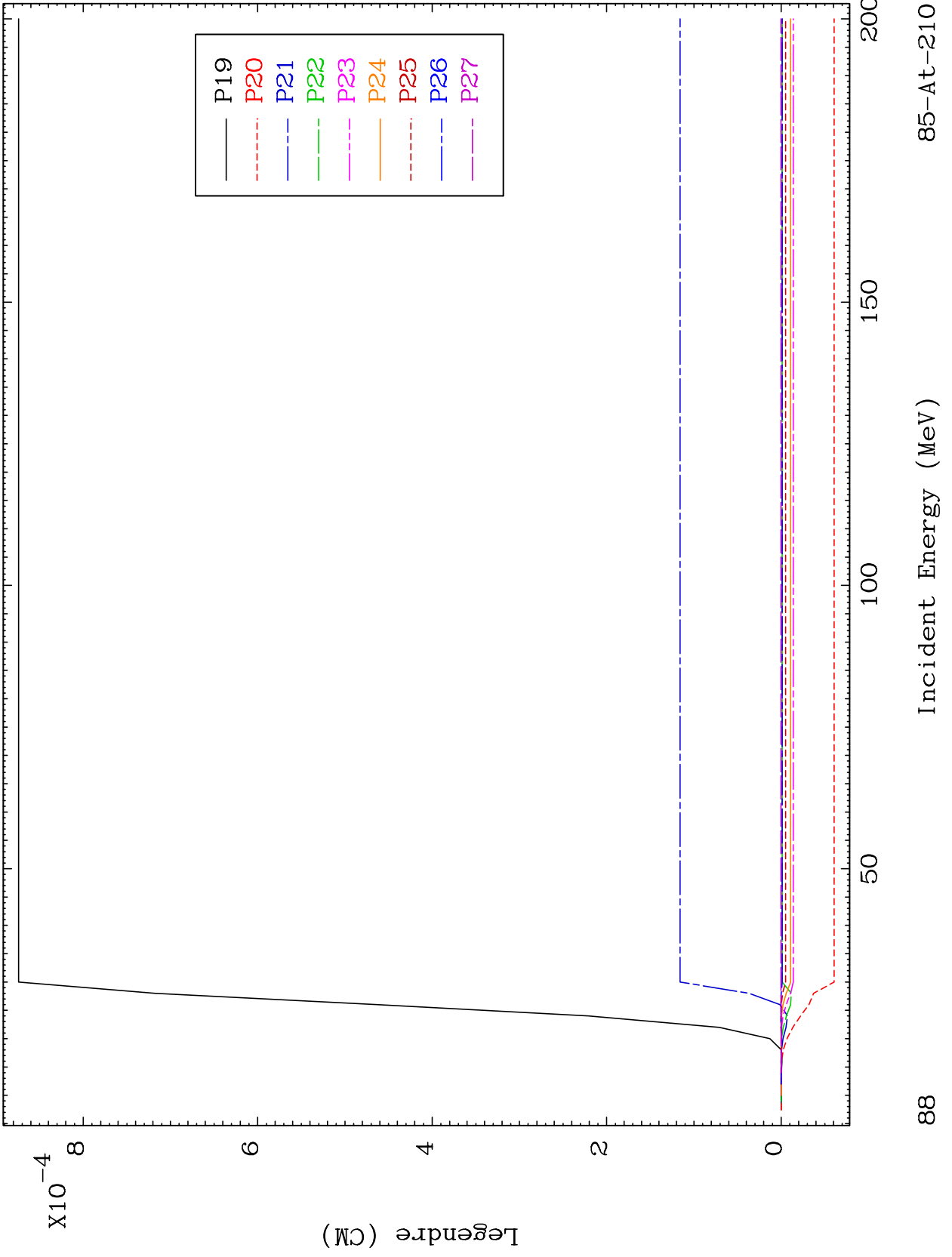
85-At-210



MAT 8546

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

85-At-210



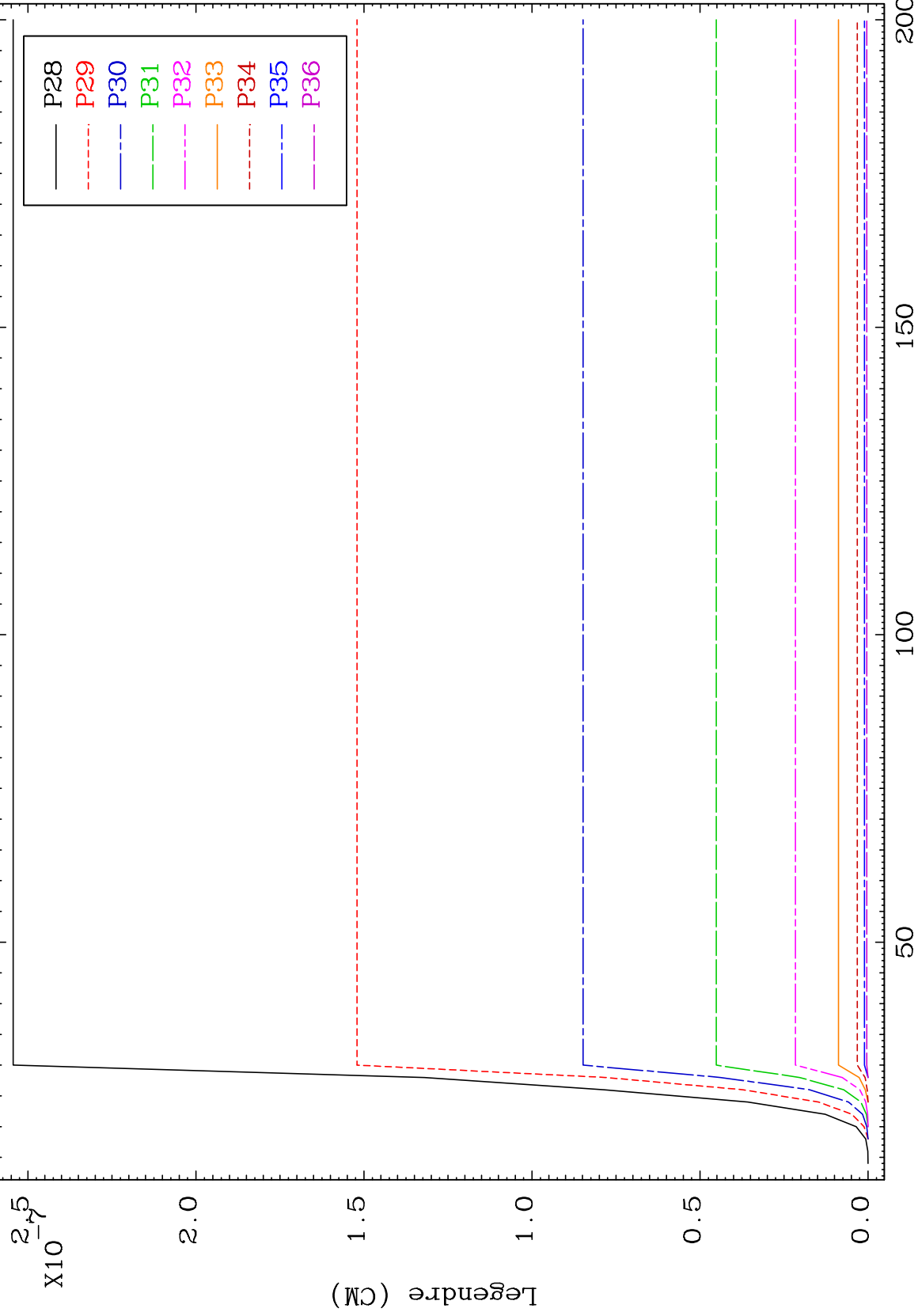
88

85-At-210

MAT 8546

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

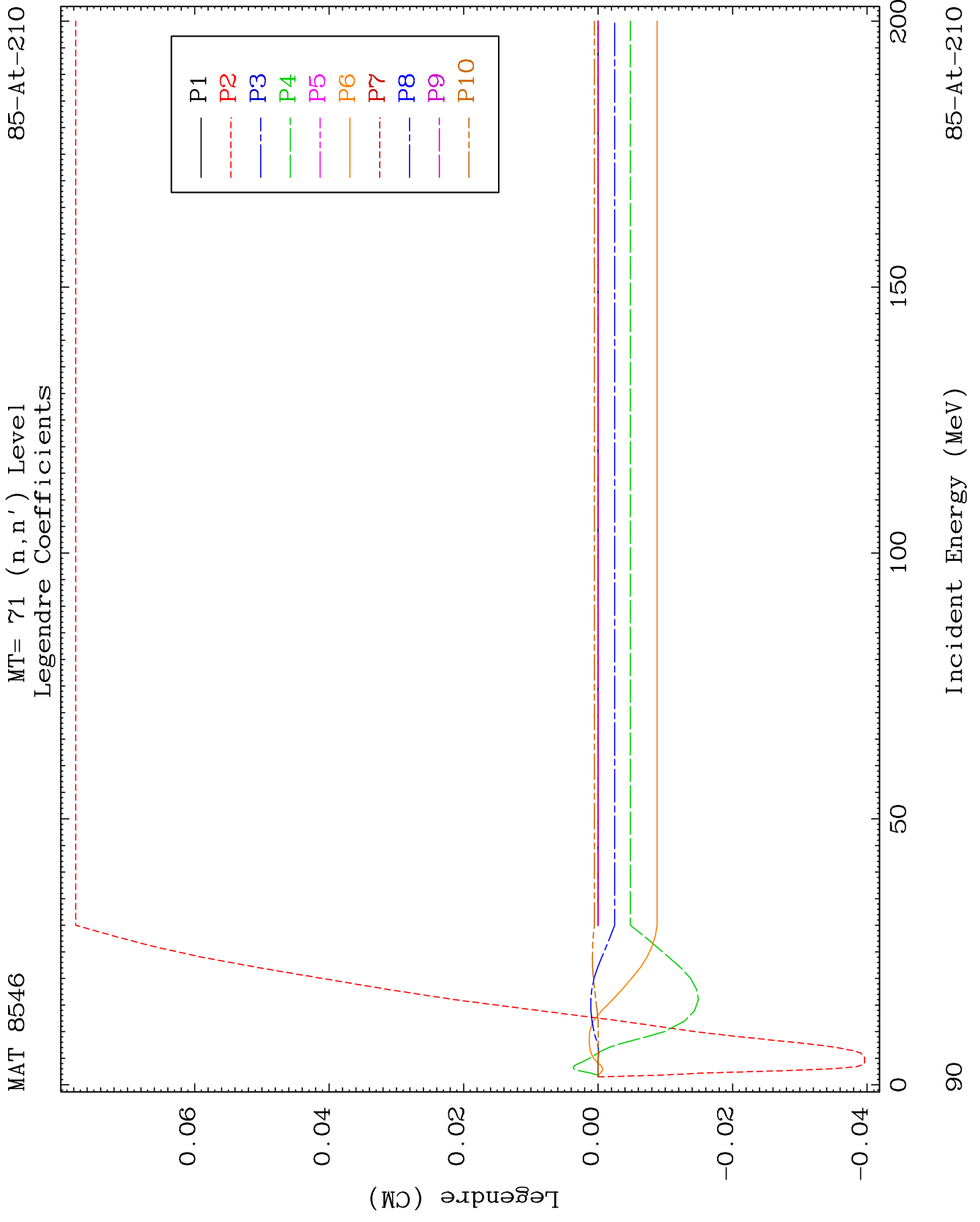
85-At-210

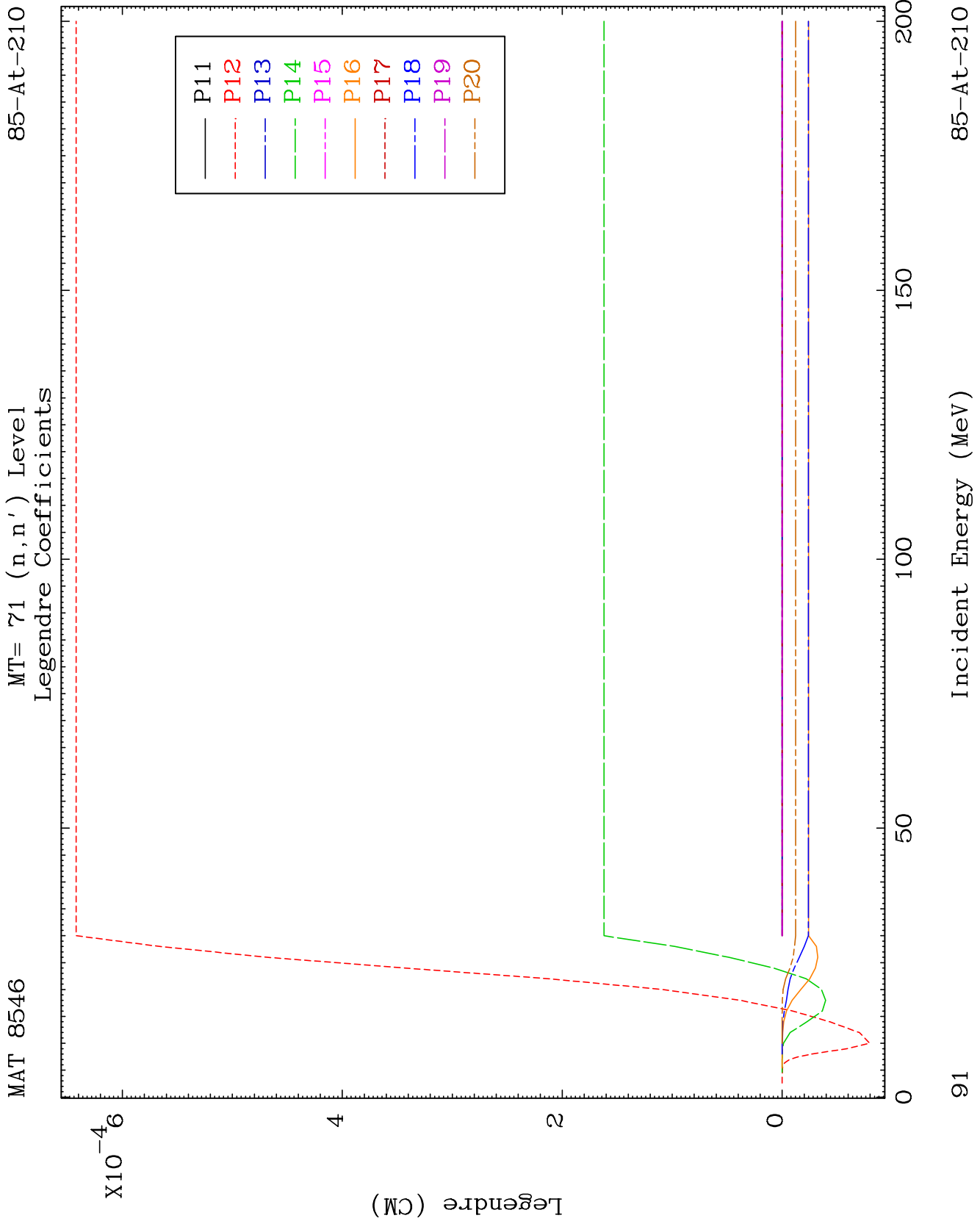


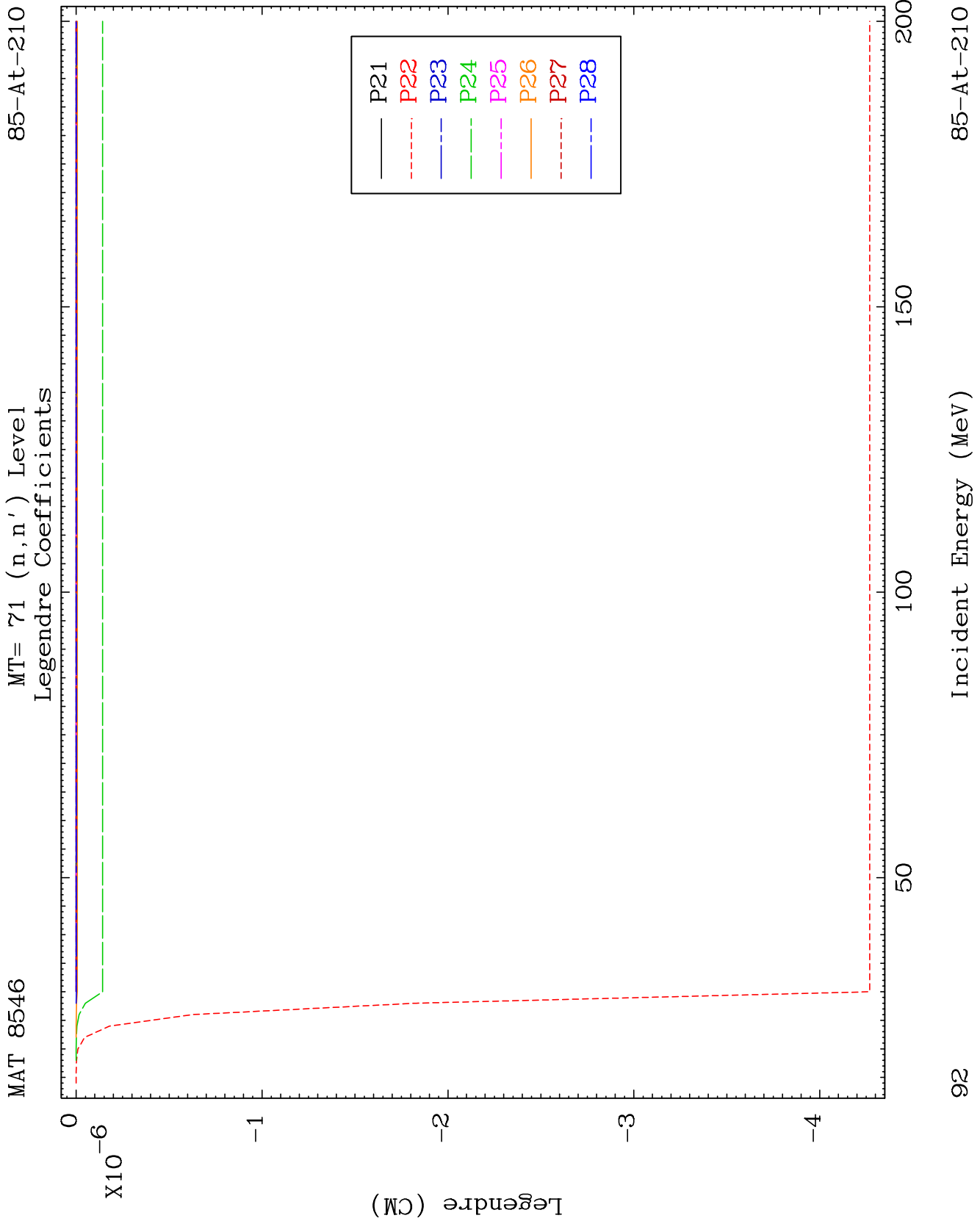
89

Incident Energy (MeV)

85-At-210



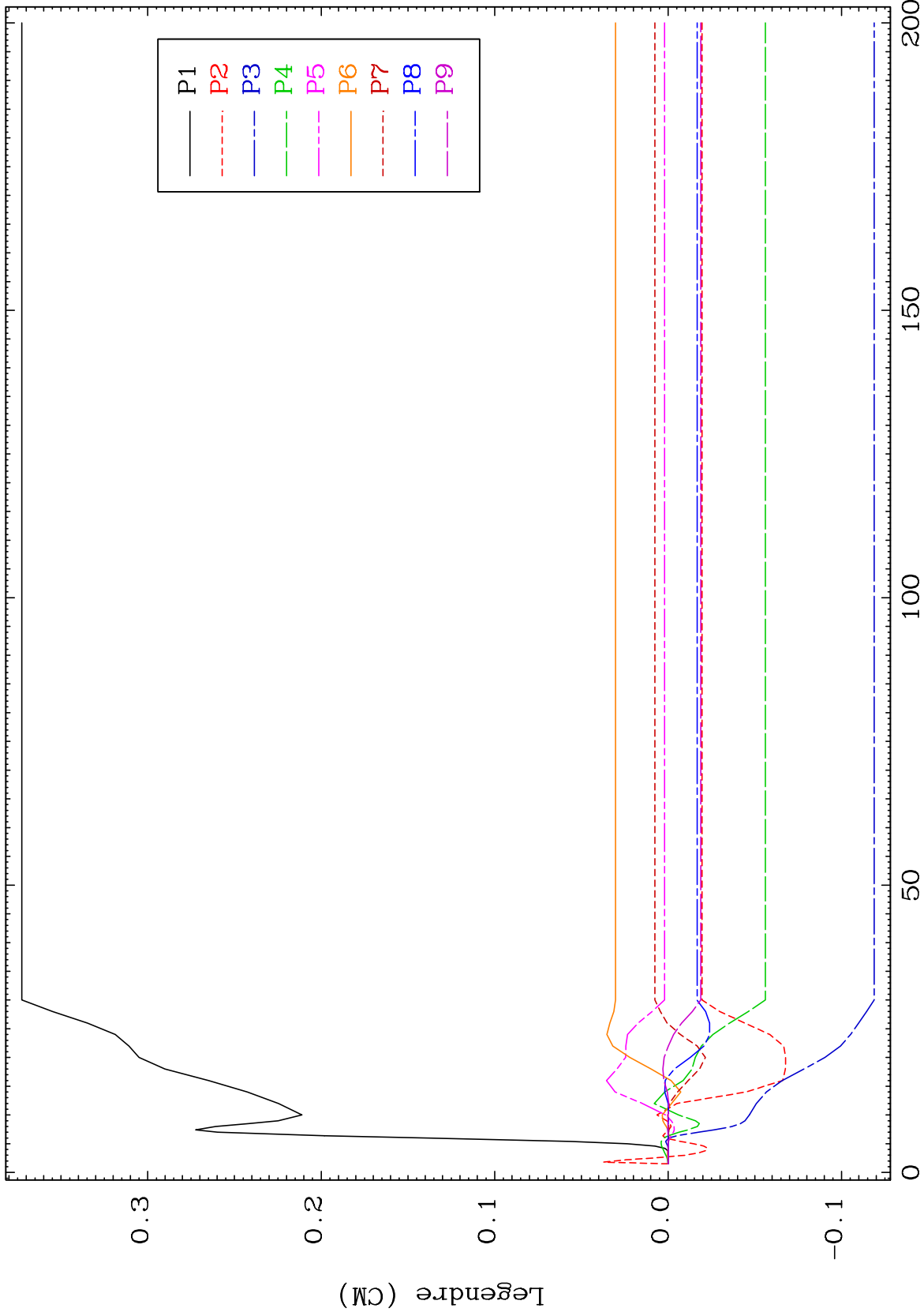




MAT 8546

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

85-At-210



93

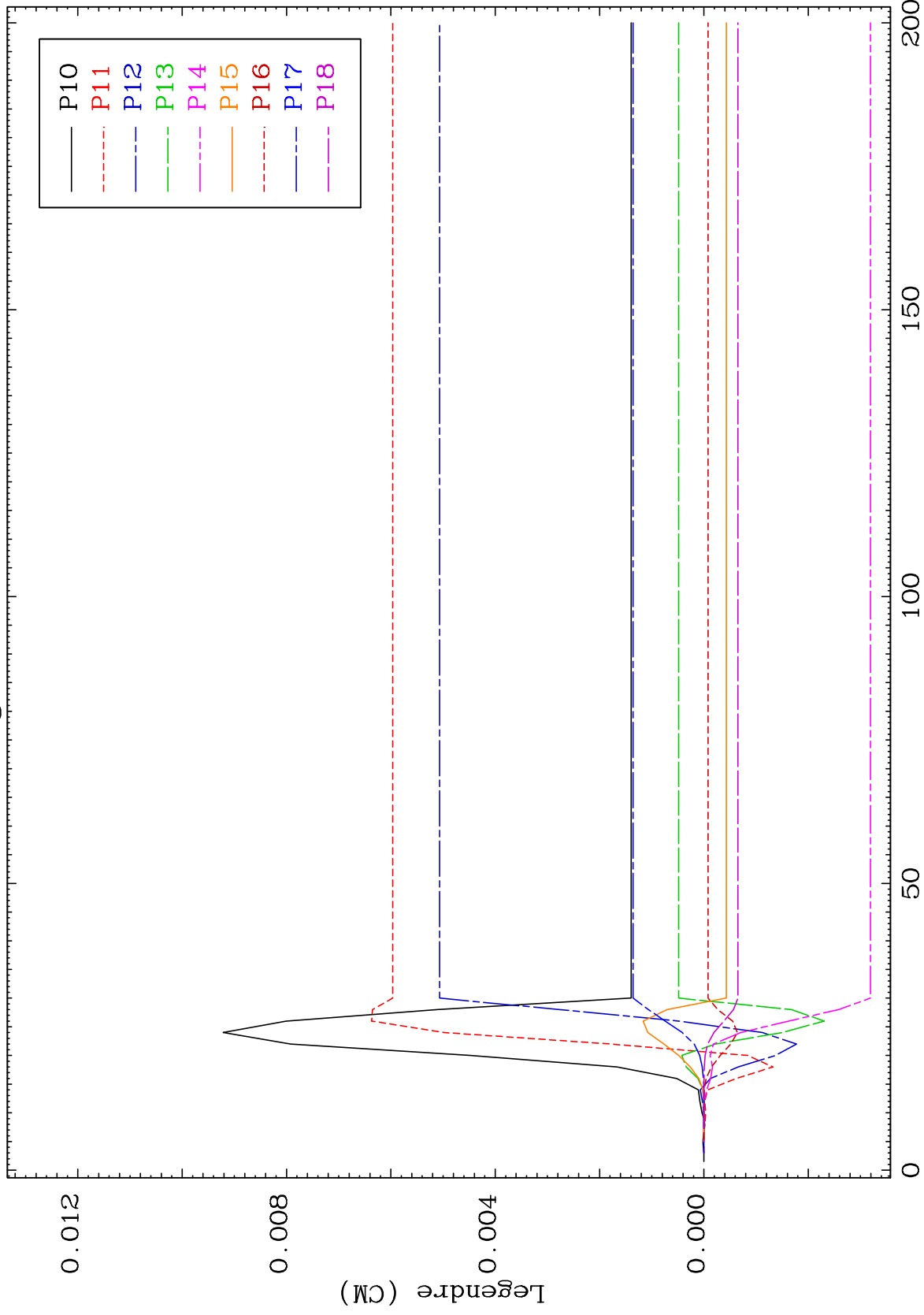
Incident Energy (MeV)

85-At-210

MAT 8546

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

85-At-210



94

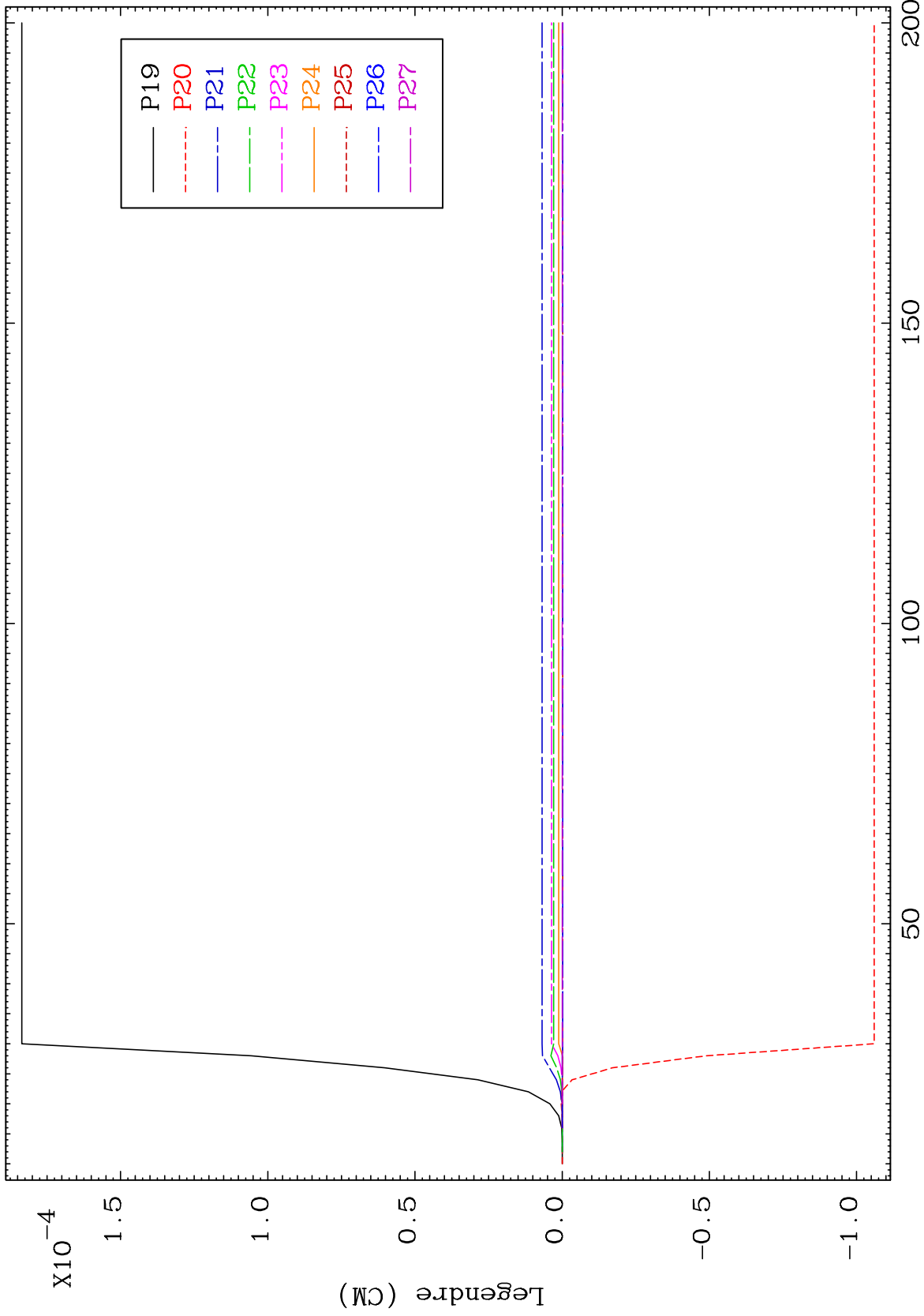
Incident Energy (MeV)

85-At-210

MAT 8546

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

85-At-210

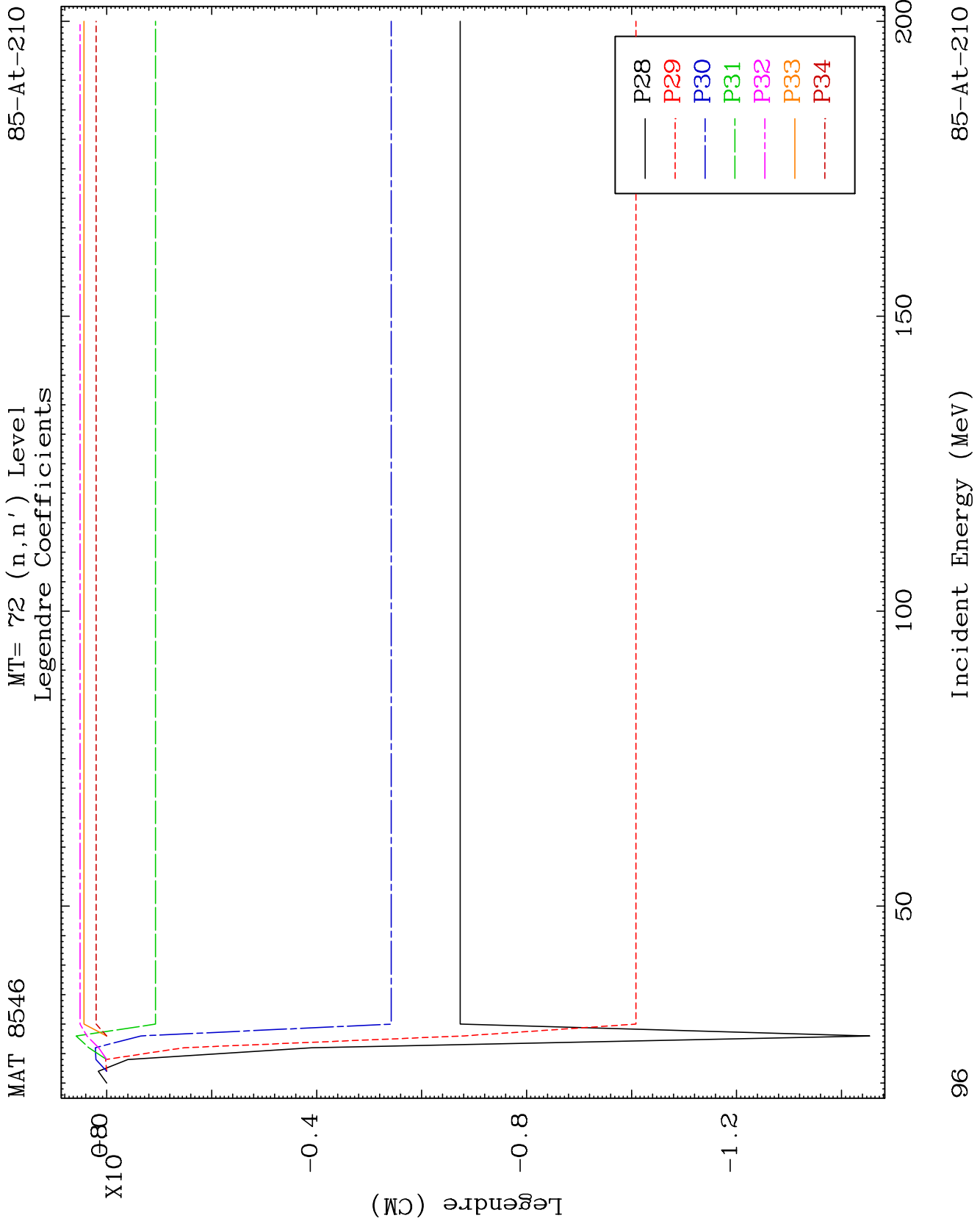


95

Incident Energy (MeV)

85-At-210

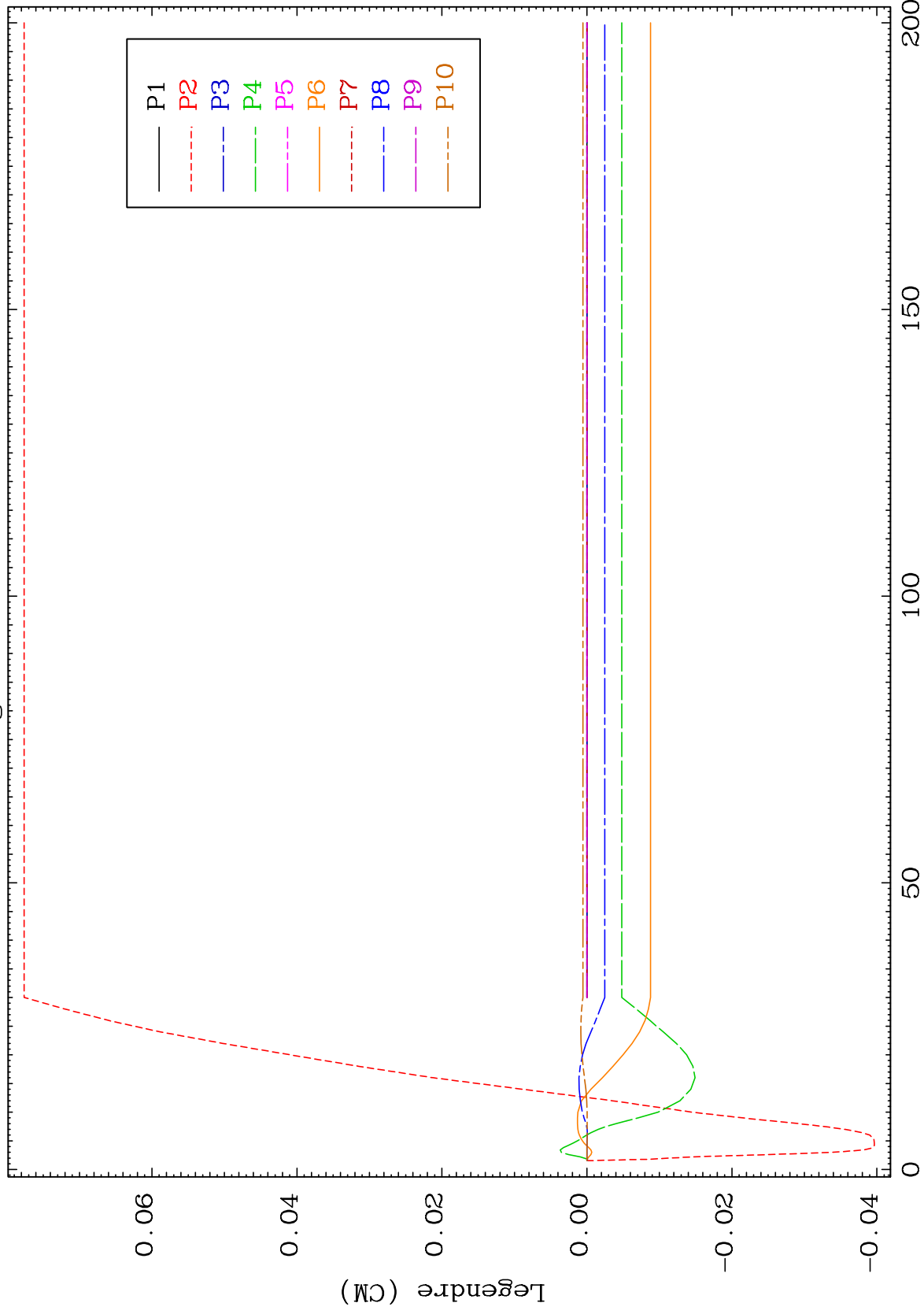




MAT 8546

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

85-At-210



97

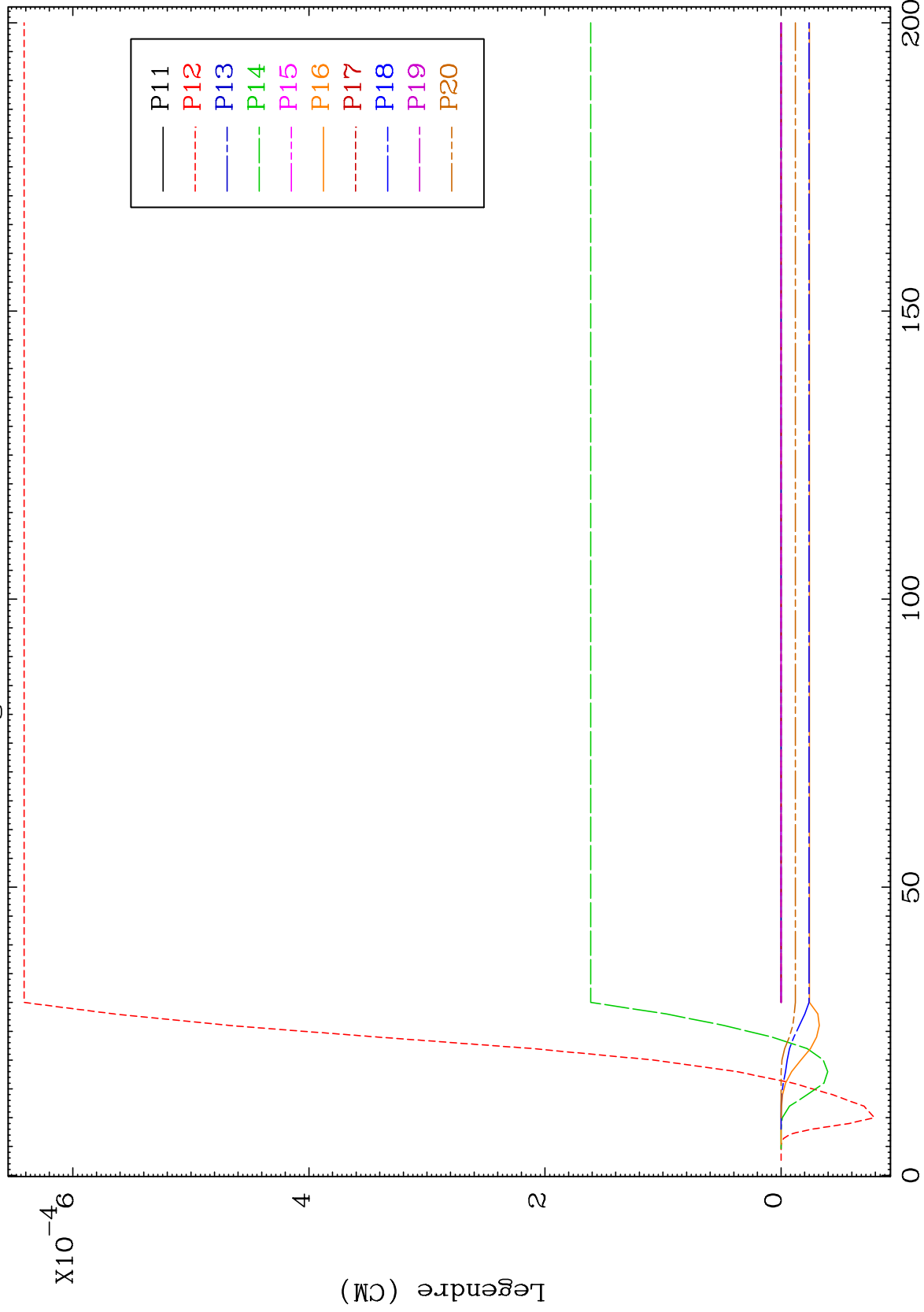
Incident Energy (MeV)

85-At-210

MAT 8546

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

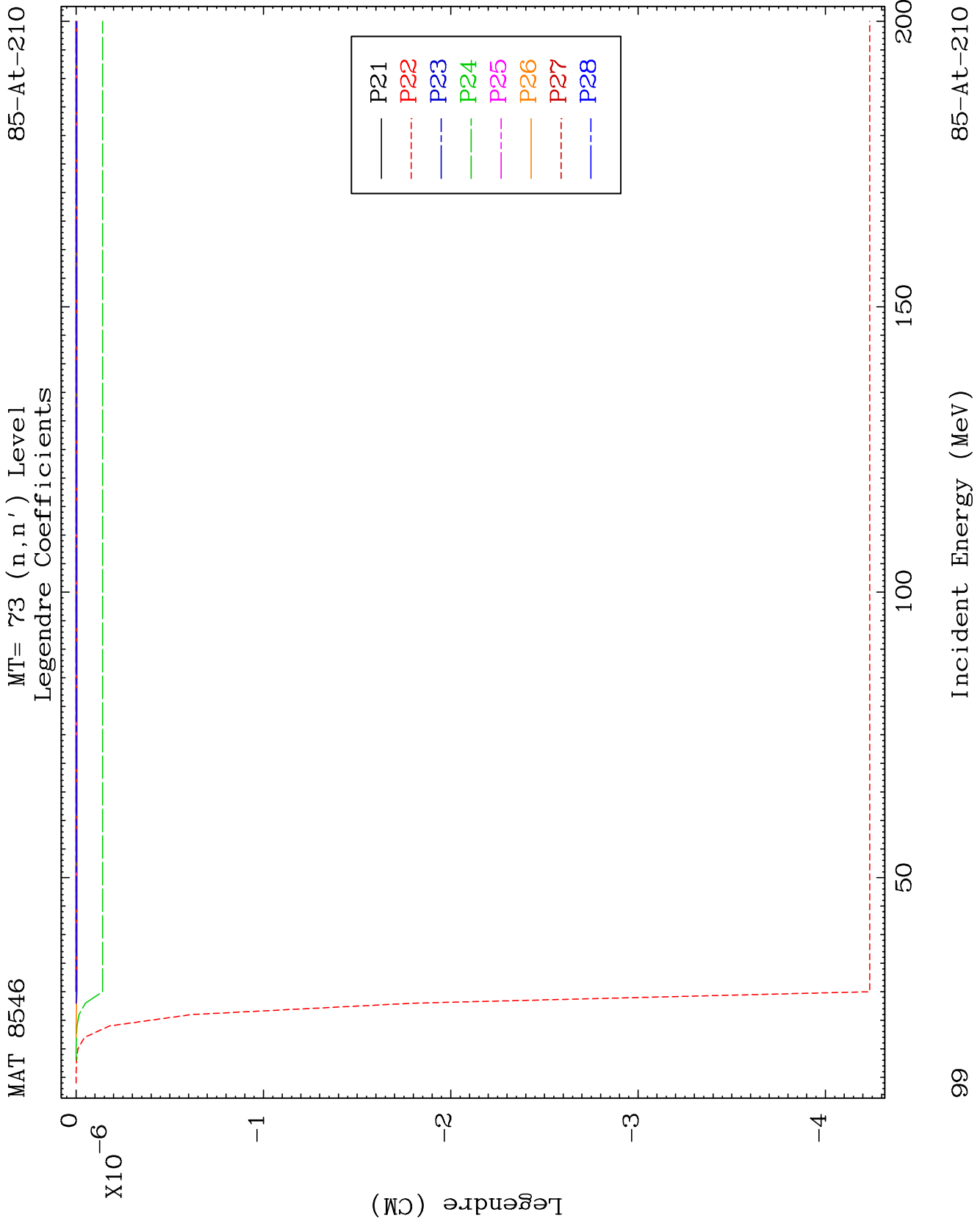
85-At-210



98

Incident Energy (MeV)

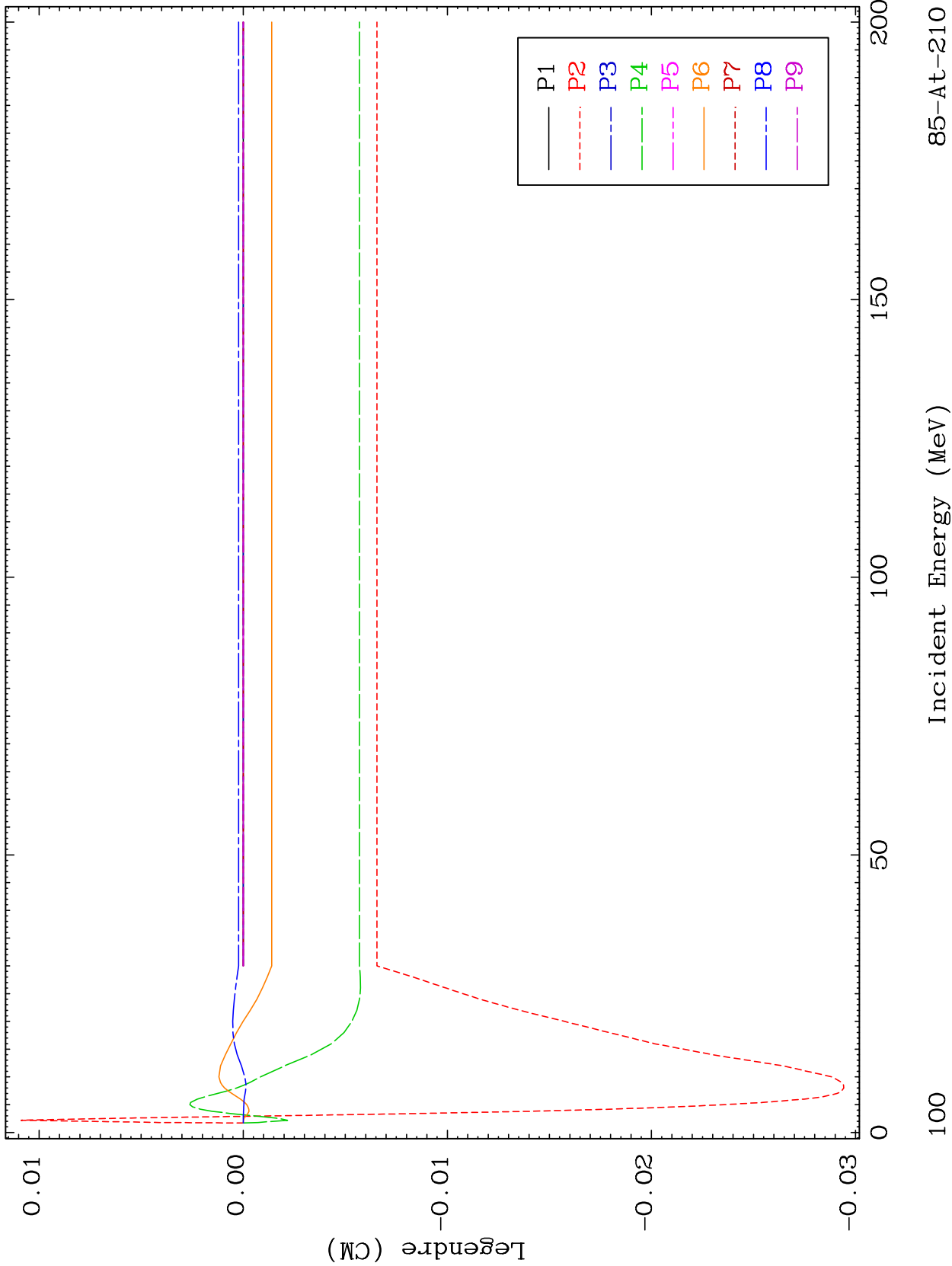
85-At-210



MAT 8546

MT= 74 (n,n') Level  
Legendre Coefficients

85-At-210

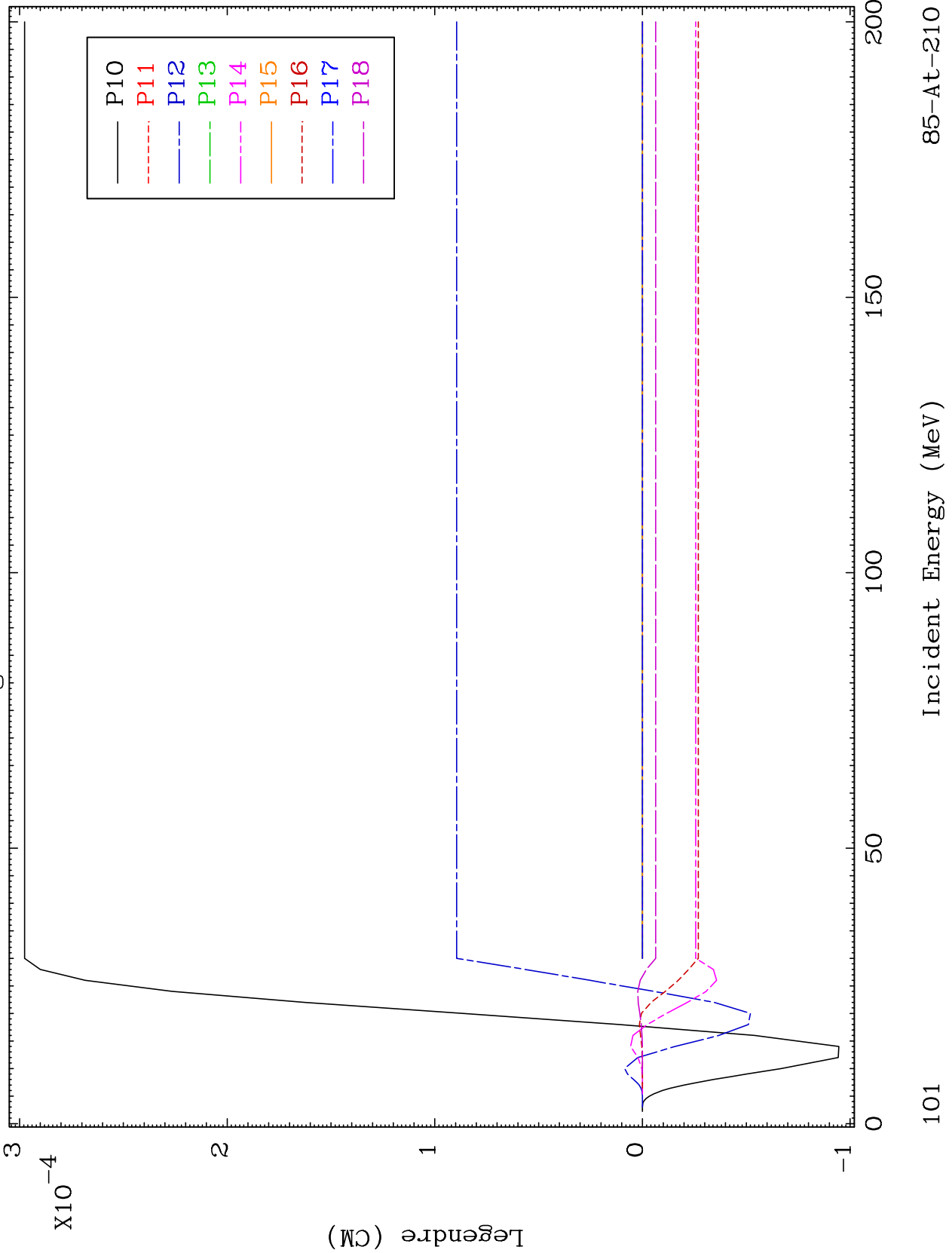


85-At-210

MAT 8546

MT= 74 (n,n') Level  
Legendre Coefficients

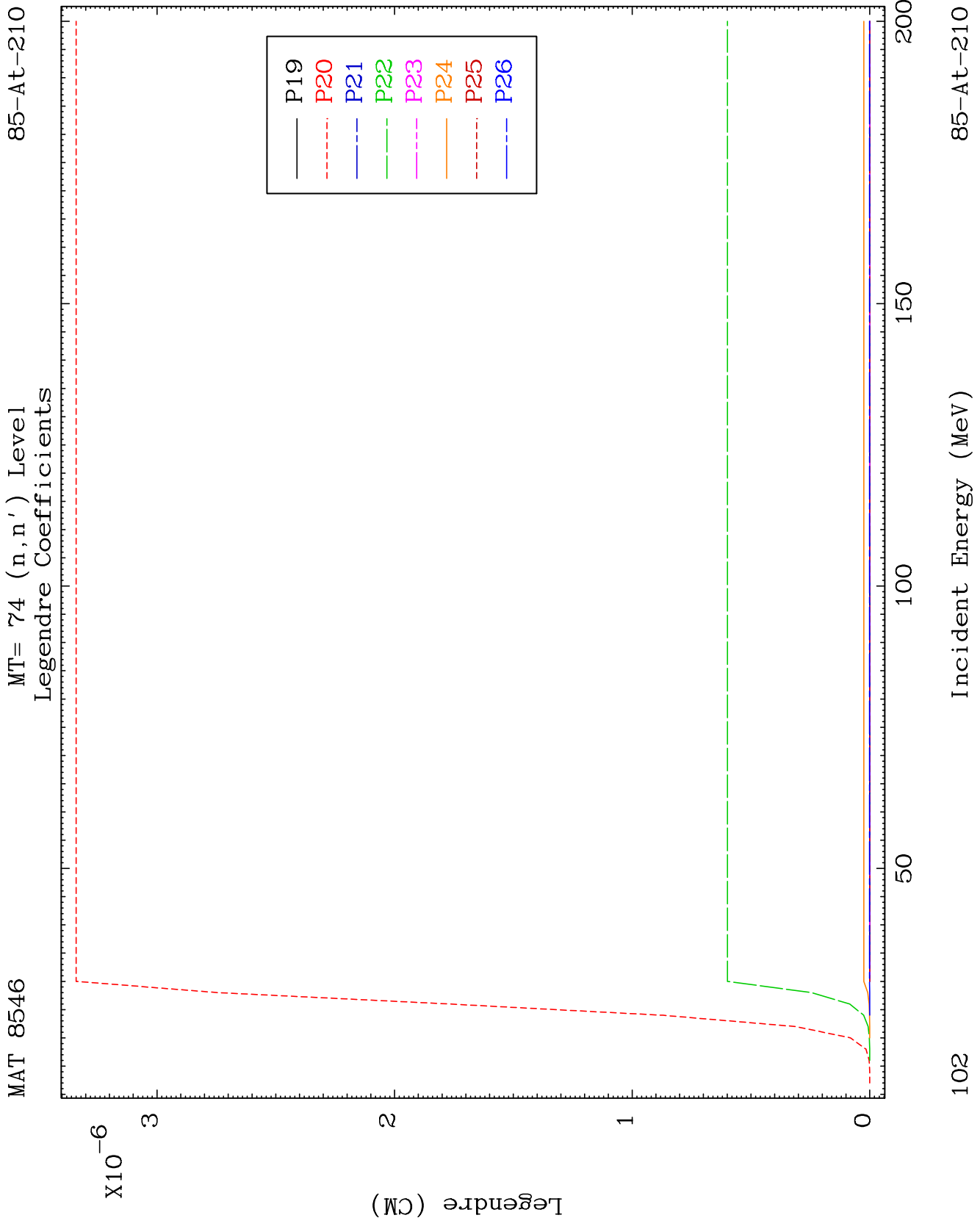
85-At-210



85-At-210

Incident Energy (MeV)

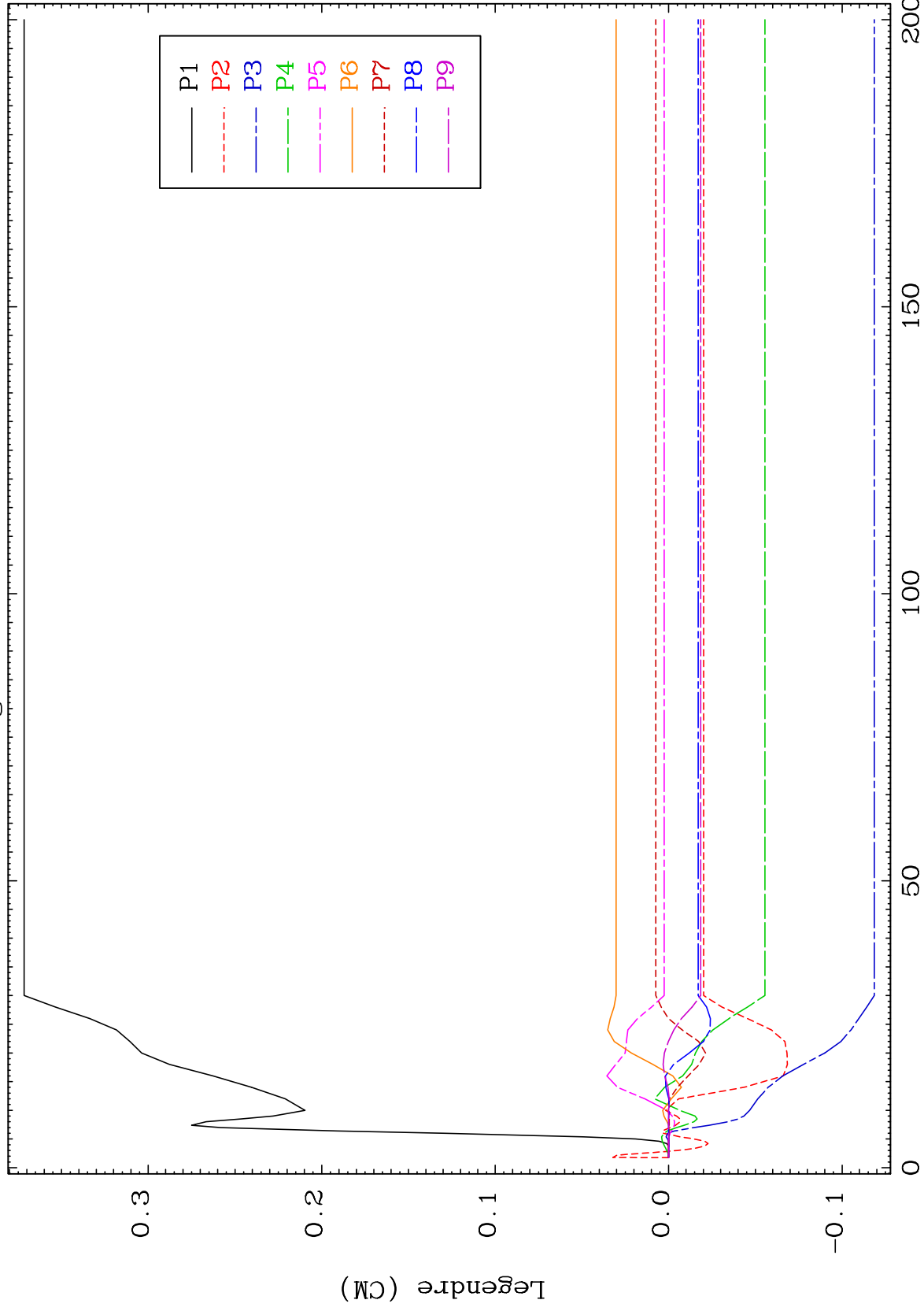
101



MAT 8546

MT= 75 (n,n') Level  
Legendre Coefficients

85-At-210

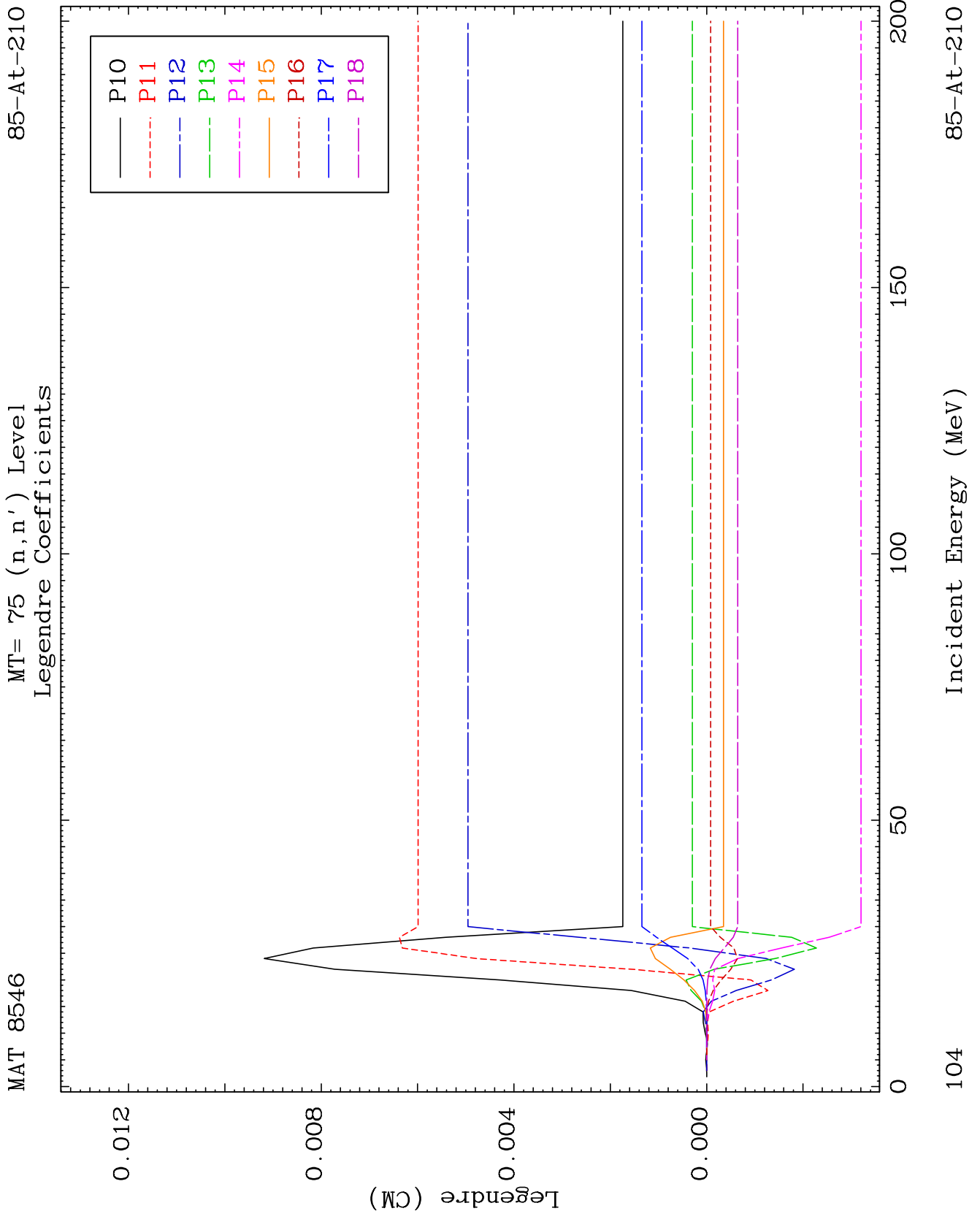


103

Incident Energy (MeV)

85-At-210

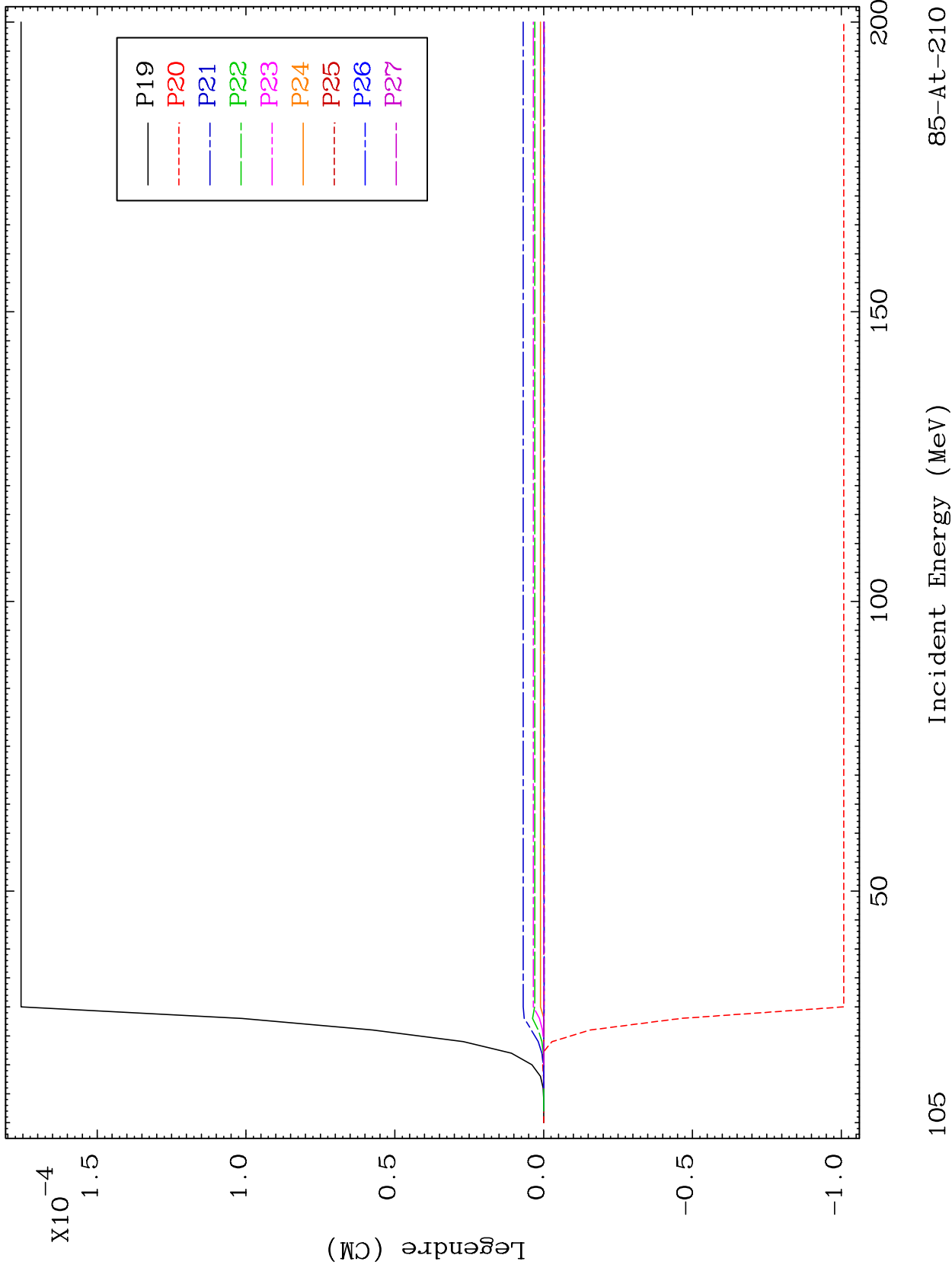




MAT 8546

MT= 75 (n,n') Level  
Legendre Coefficients

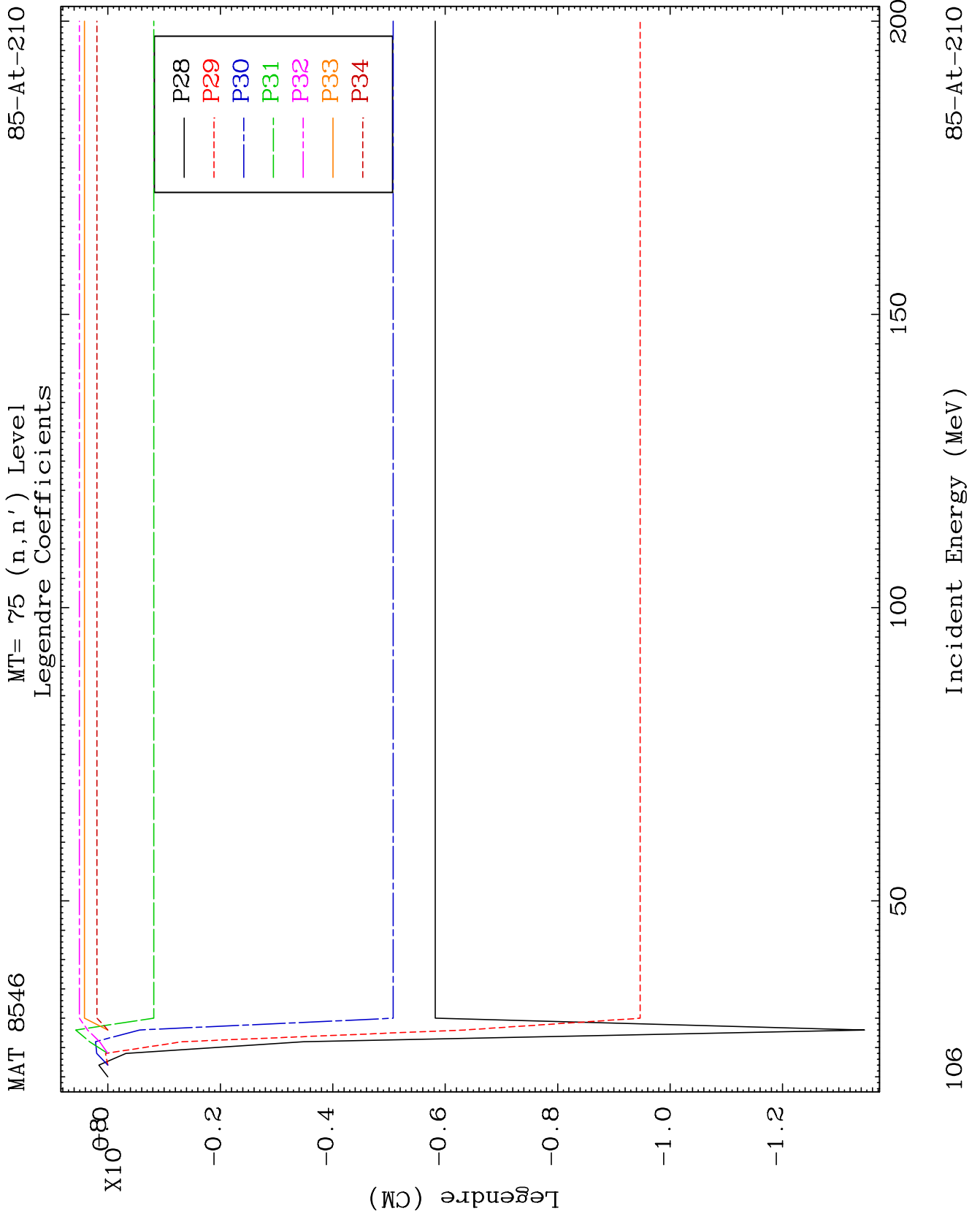
85-At-210



105

Incident Energy (MeV)

85-At-210

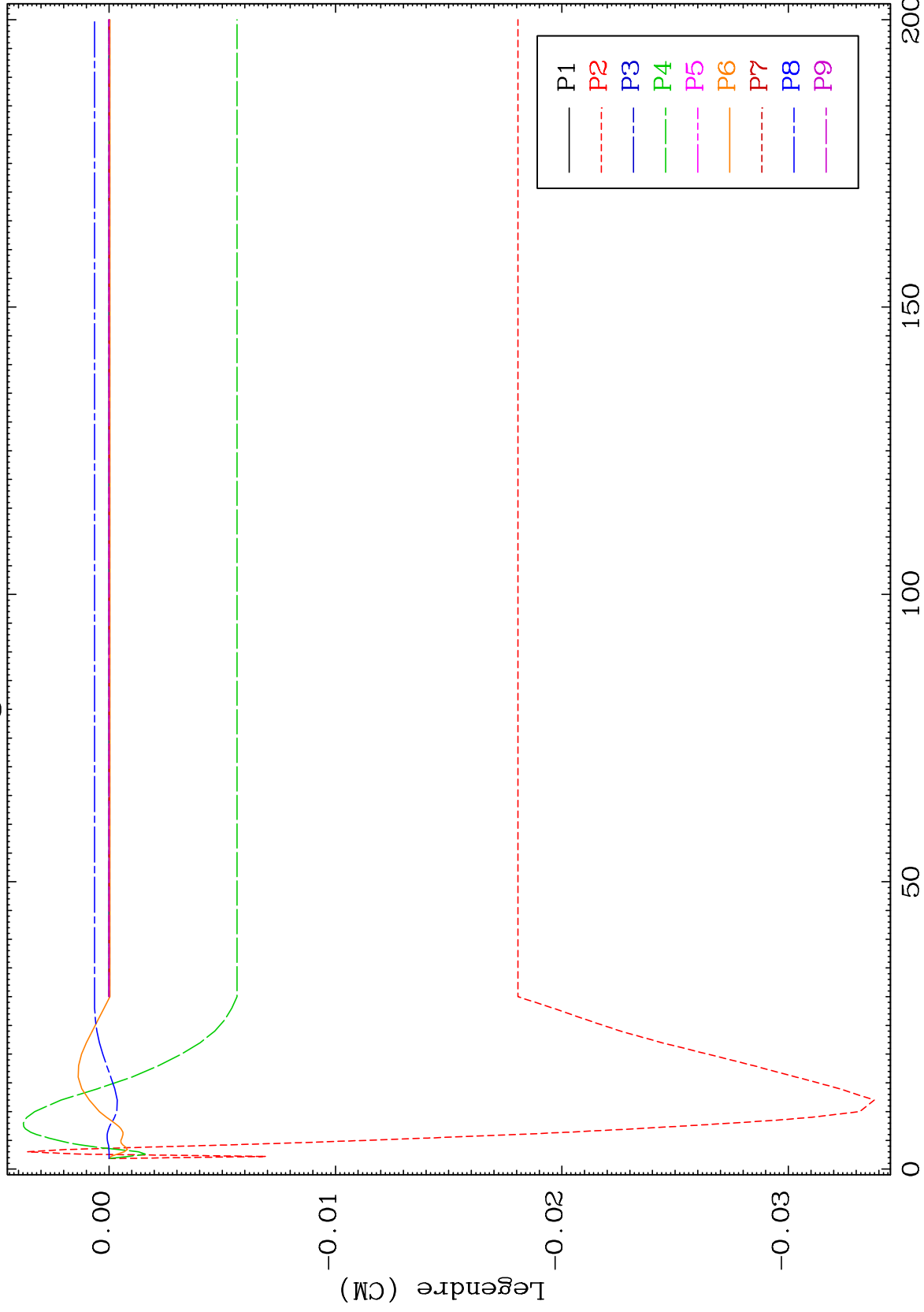


MAT 8546

MT= 76 (n,n') Level

85-At-210

Legendre Coefficients



0

50

100

150

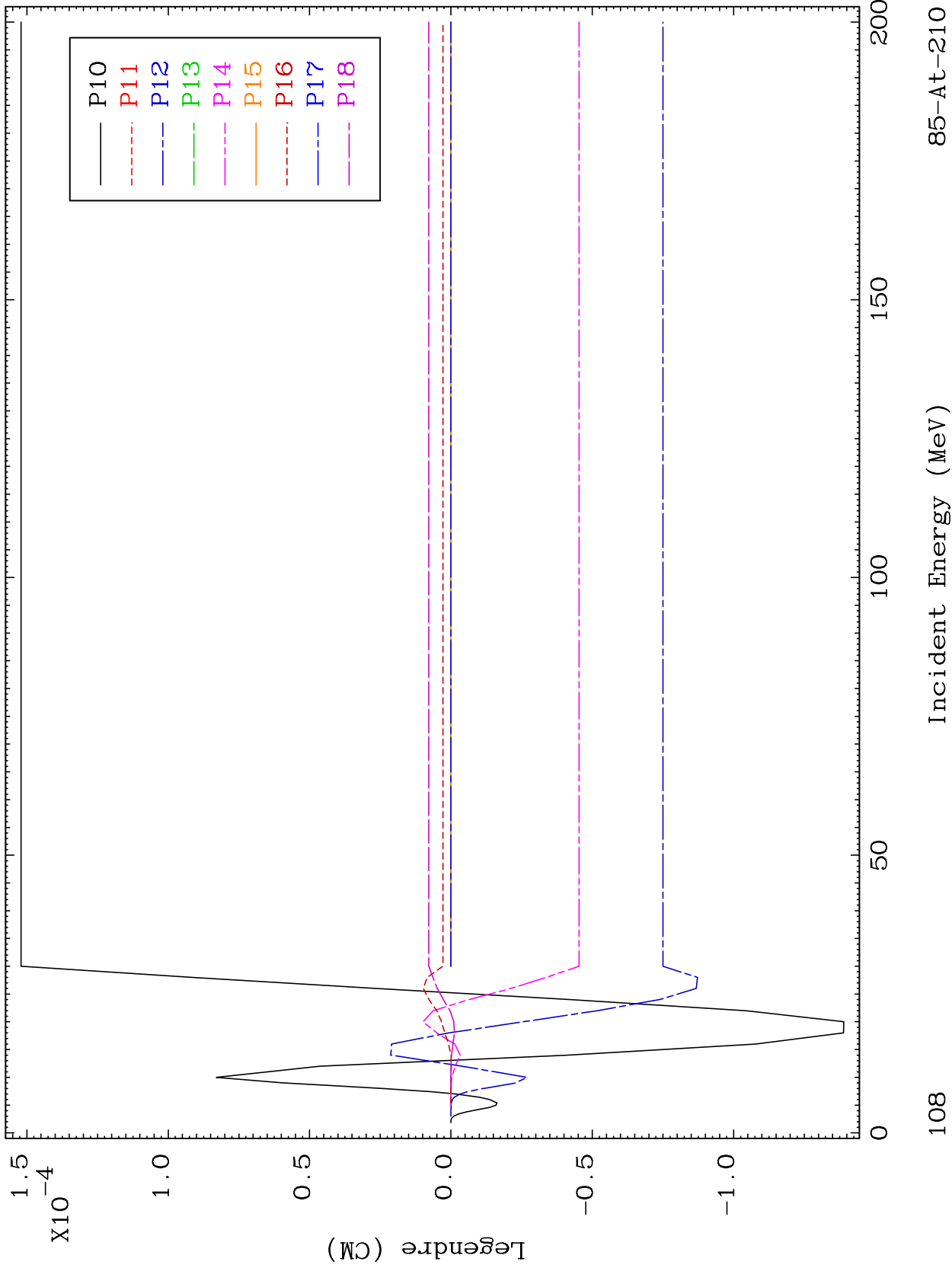
200

85-At-210

MAT 8546

MT= 76 (n,n') Level  
Legendre Coefficients

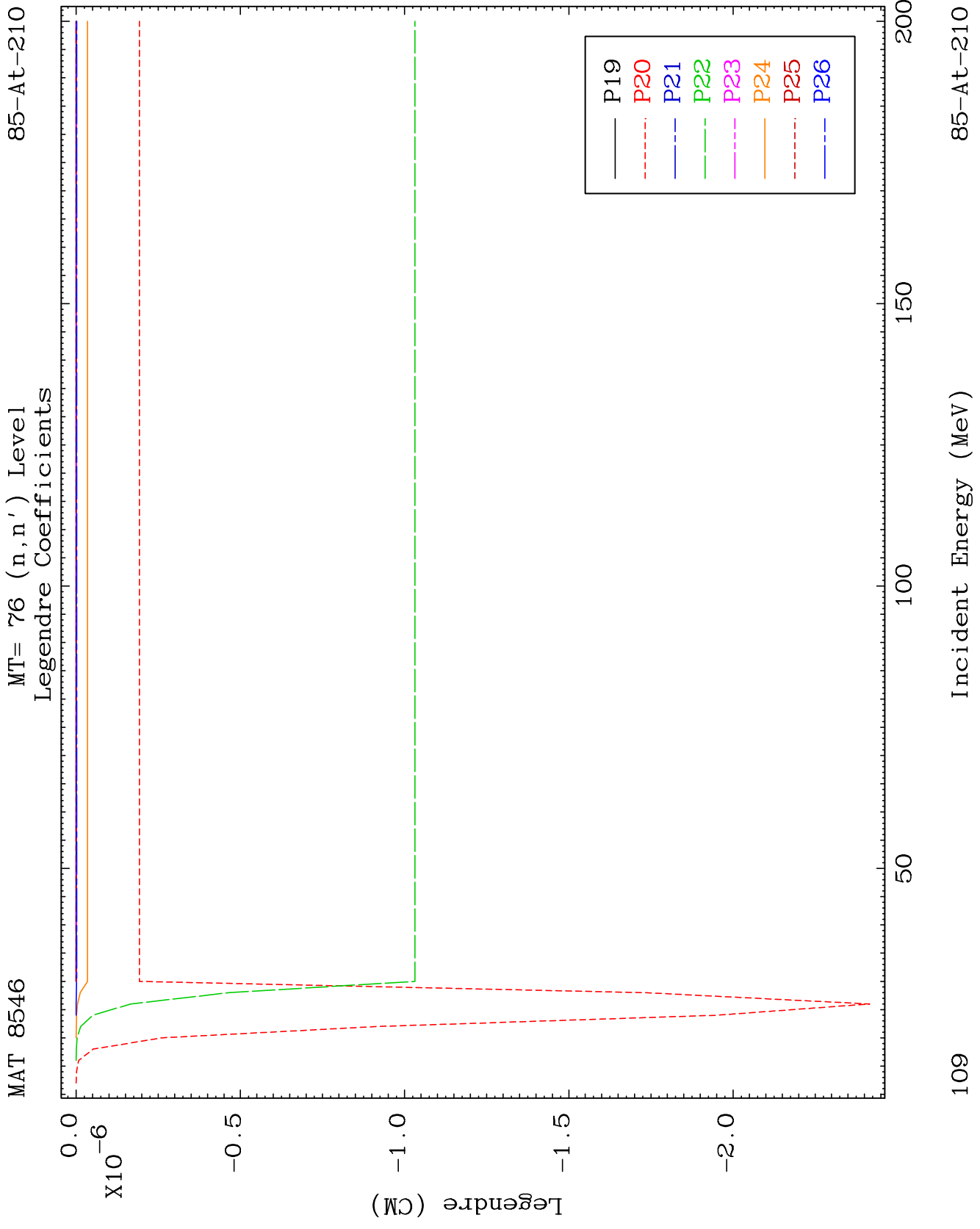
85-At-210



85-At-210

Incident Energy (MeV)

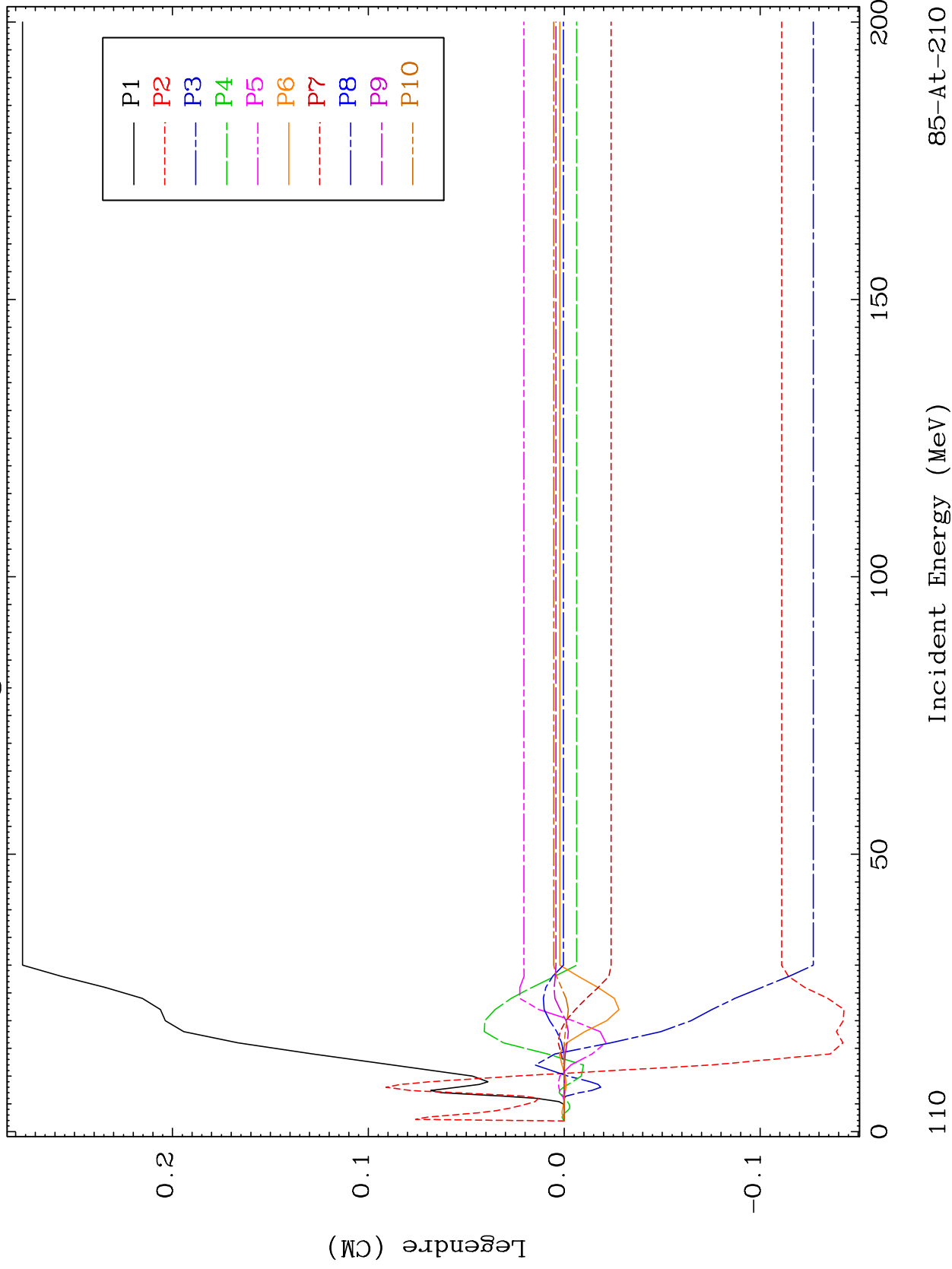
108



MAT 8546

MT= 77 (n,n') Level  
Legendre Coefficients

85-At-210



85-At-210

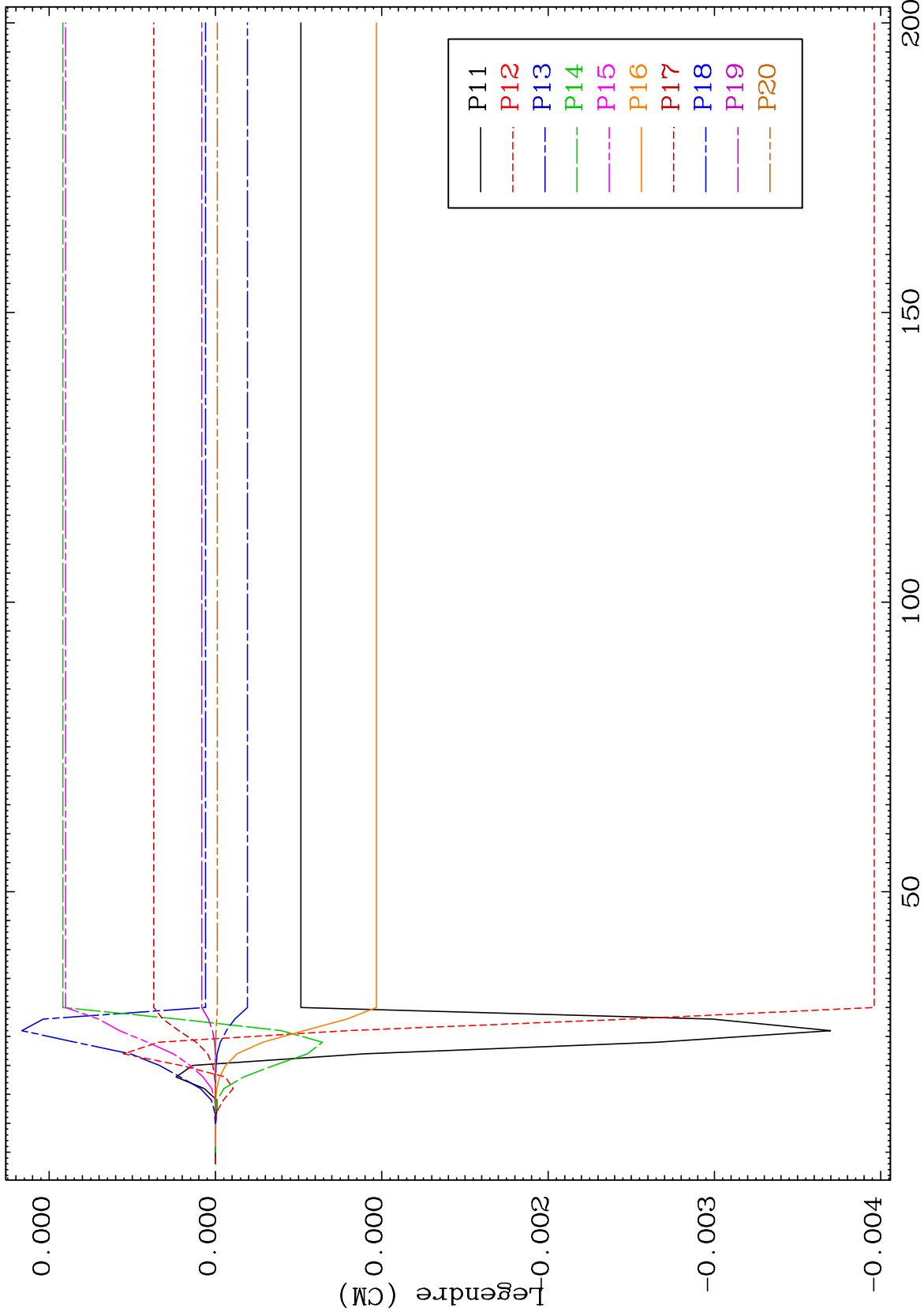
Incident Energy (MeV)

110

MAT 8546

MT= 77 (n,n') Level  
Legendre Coefficients

85-At-210



111

Incident Energy (MeV)

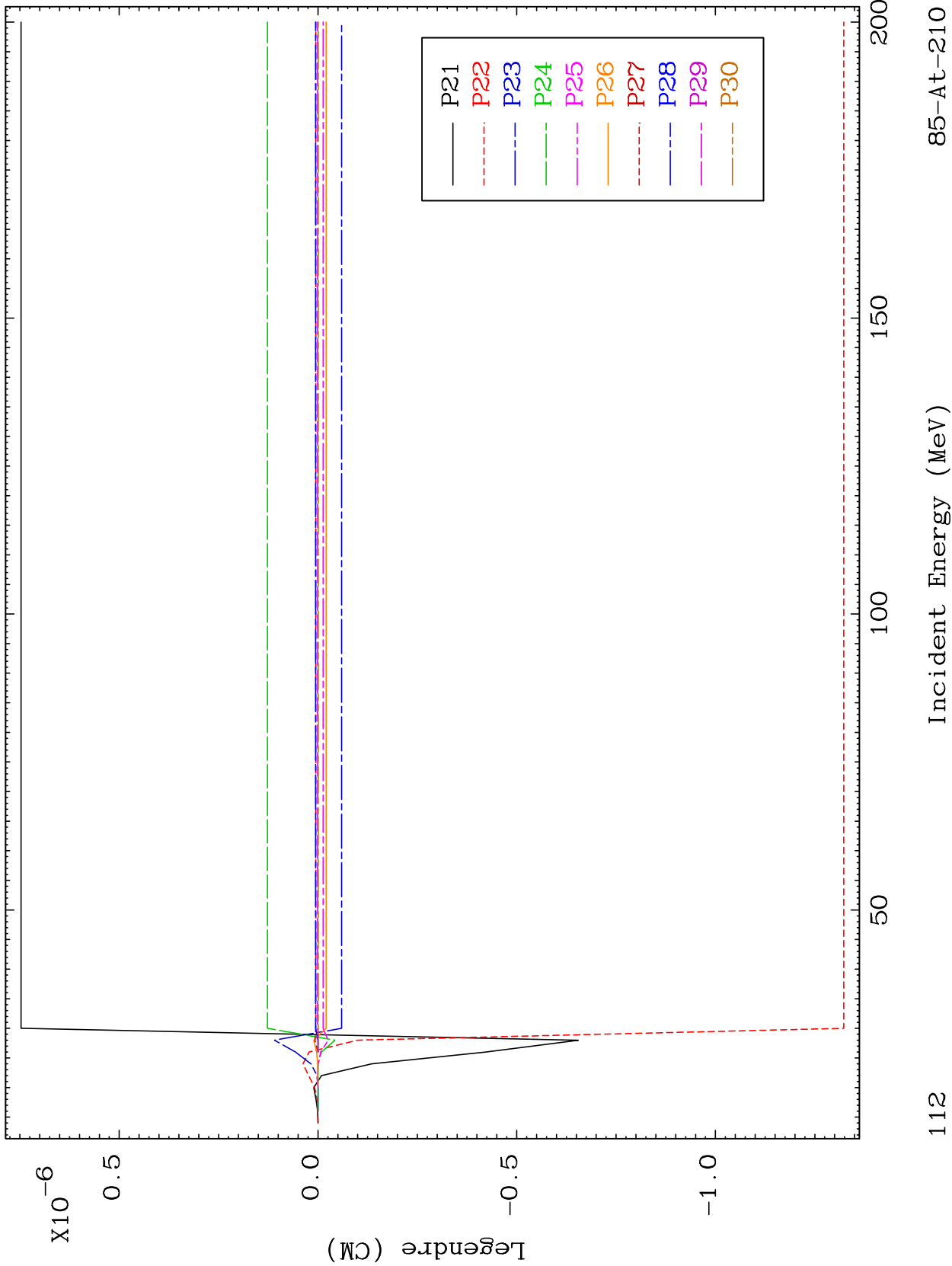
85-At-210



MAT 8546

MT= 77 (n,n') Level  
Legendre Coefficients

85-At-210



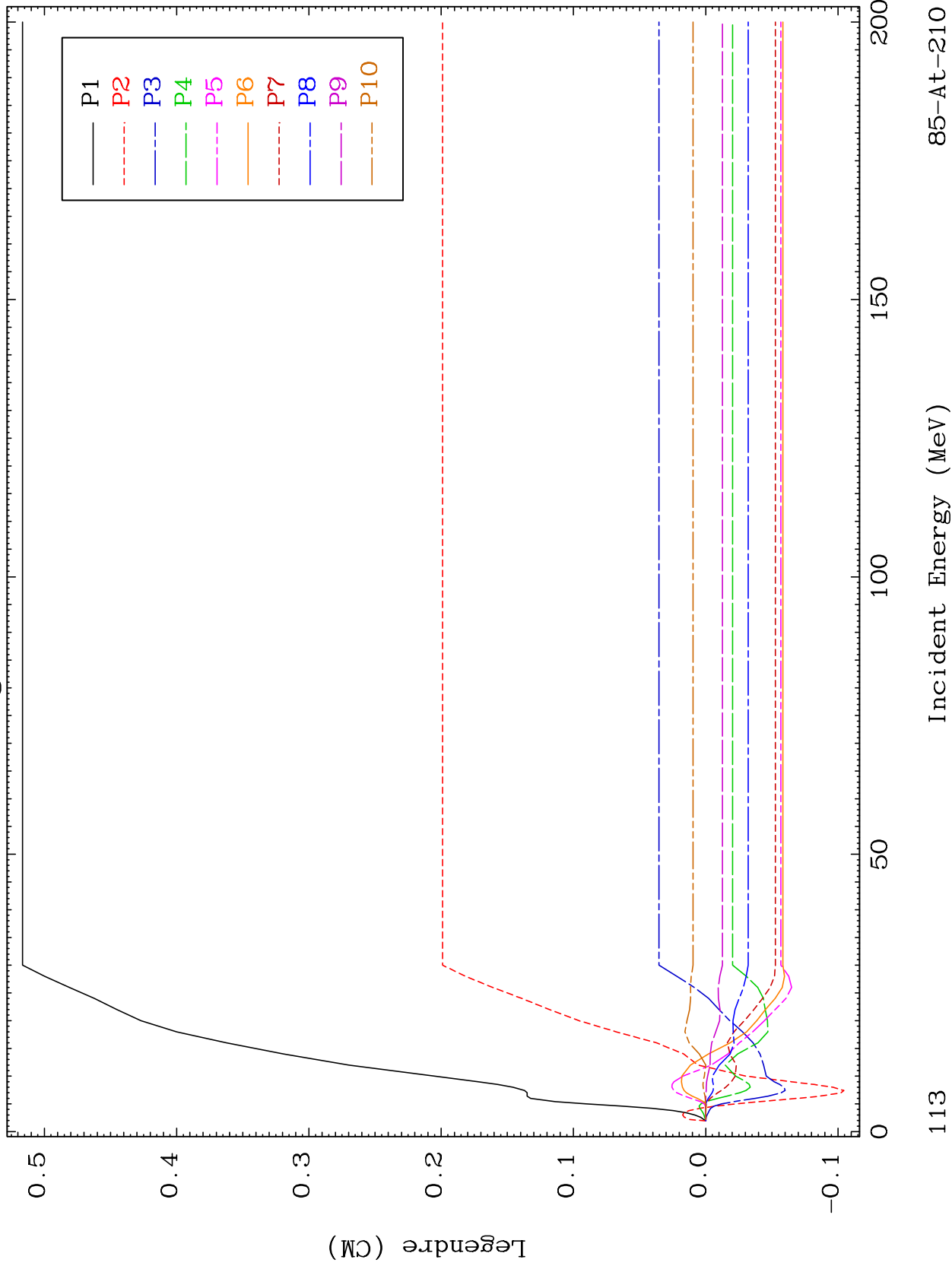
112

85-At-210

MAT 8546

MT= 78 (n,n') Level  
Legendre Coefficients

85-At-210



85-At-210

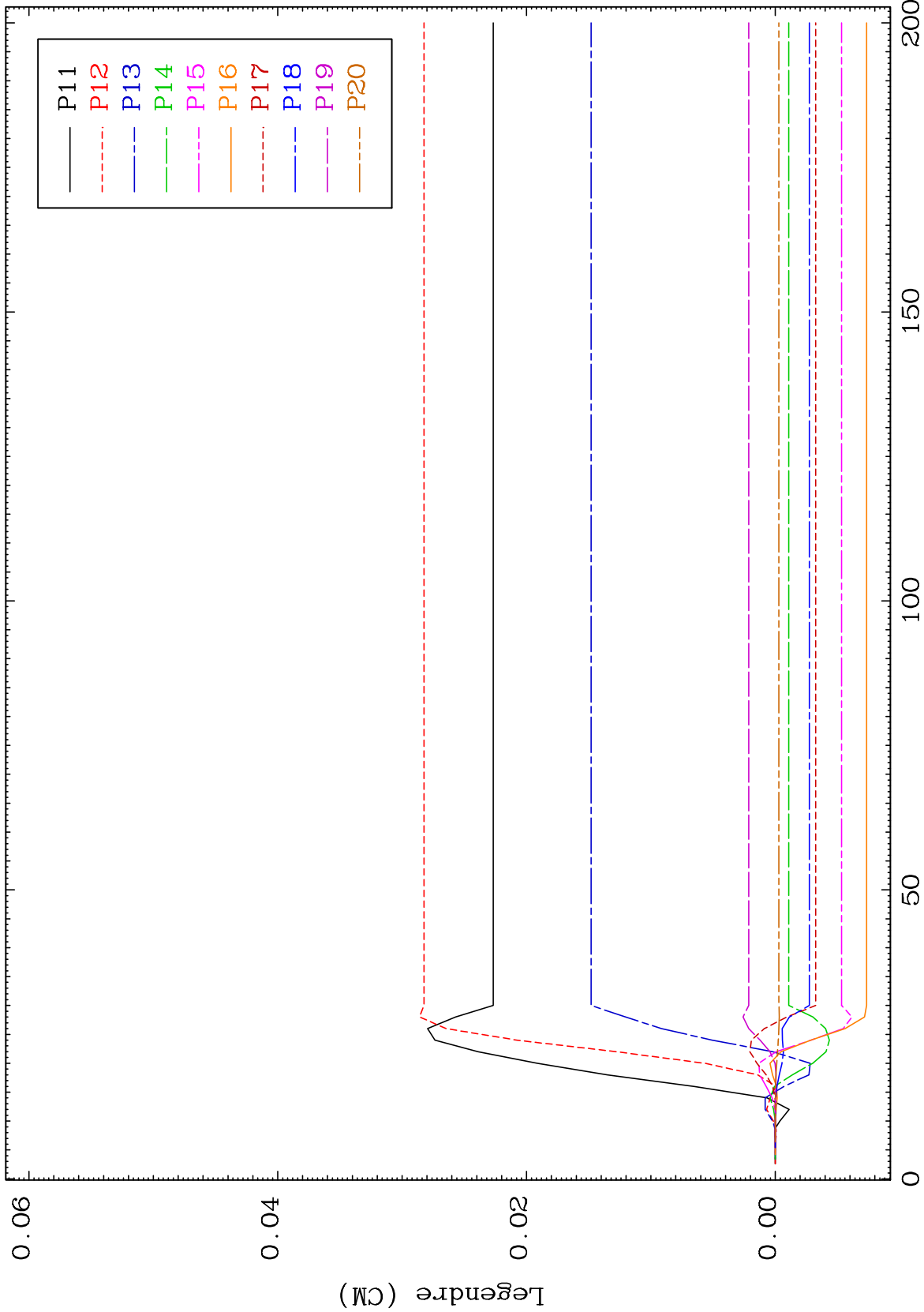
Incident Energy (MeV)

113

MAT 8546

MT= 78 (n,n') Level  
Legendre Coefficients

85-At-210



114

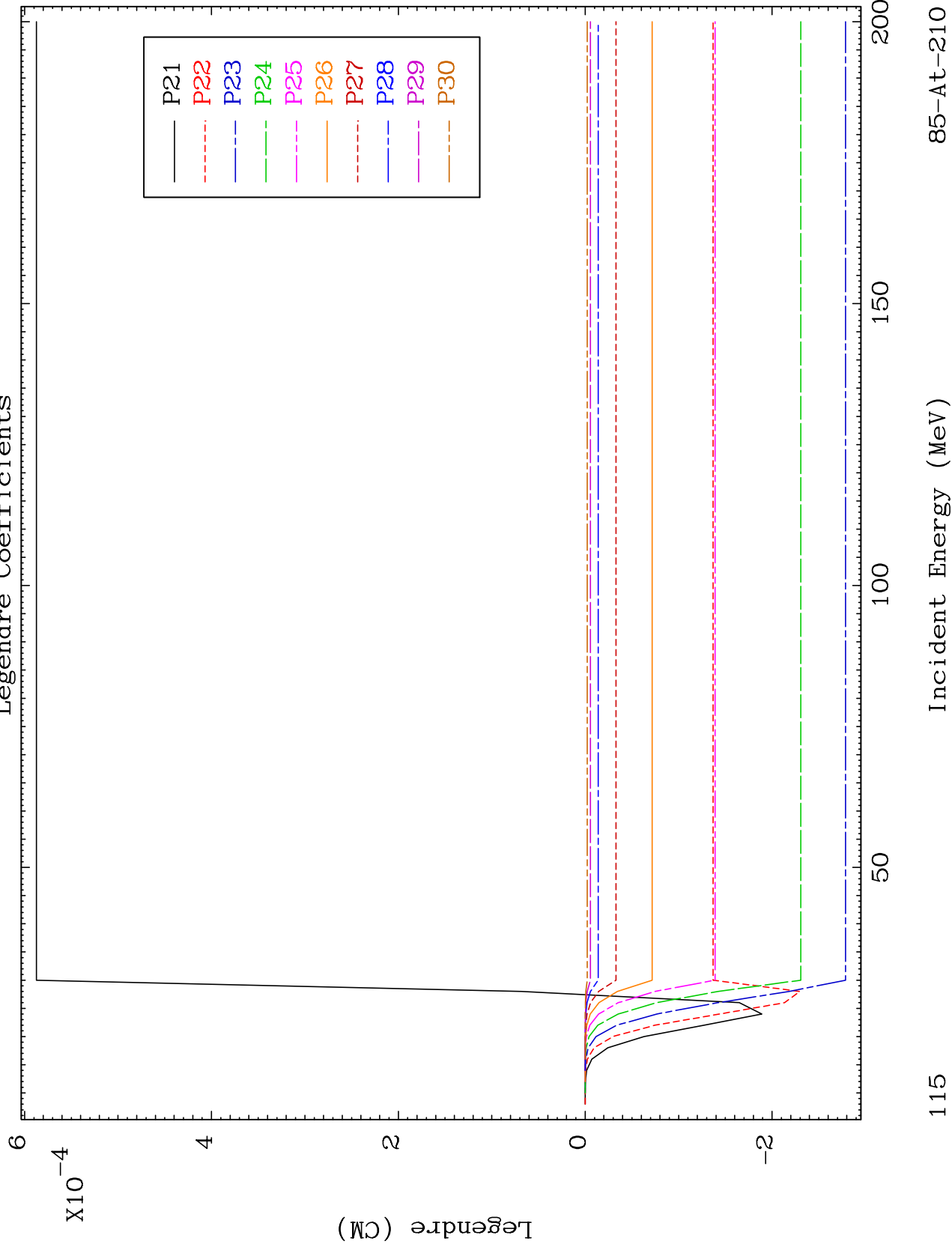
Incident Energy (MeV)

85-At-210

MAT 8546

MT= 78 (n,n') Level  
Legendre Coefficients

85-At-210



115

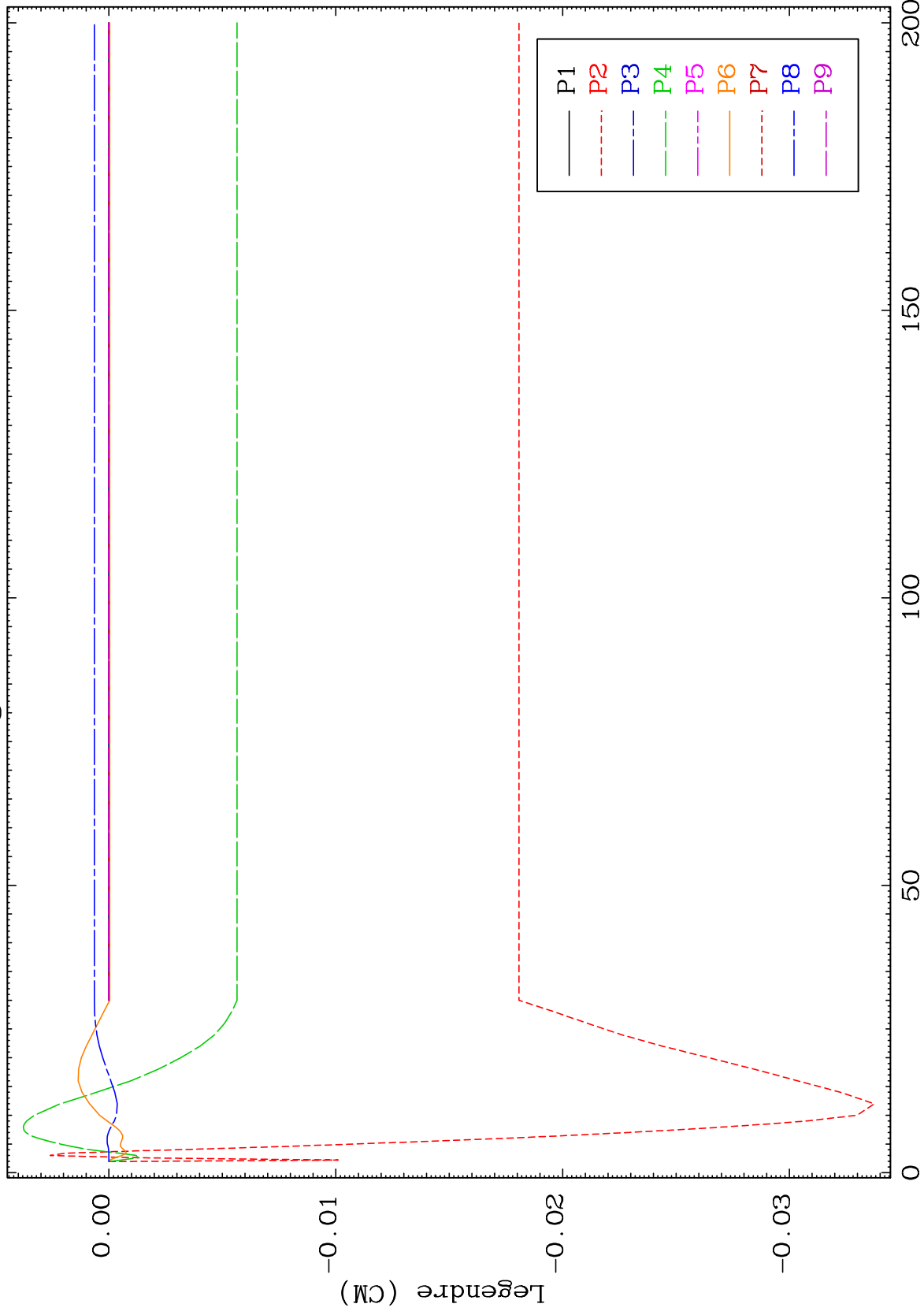
85-At-210



MAT 8546

MT= 79 (n,n') Level  
Legendre Coefficients

85-At-210



117

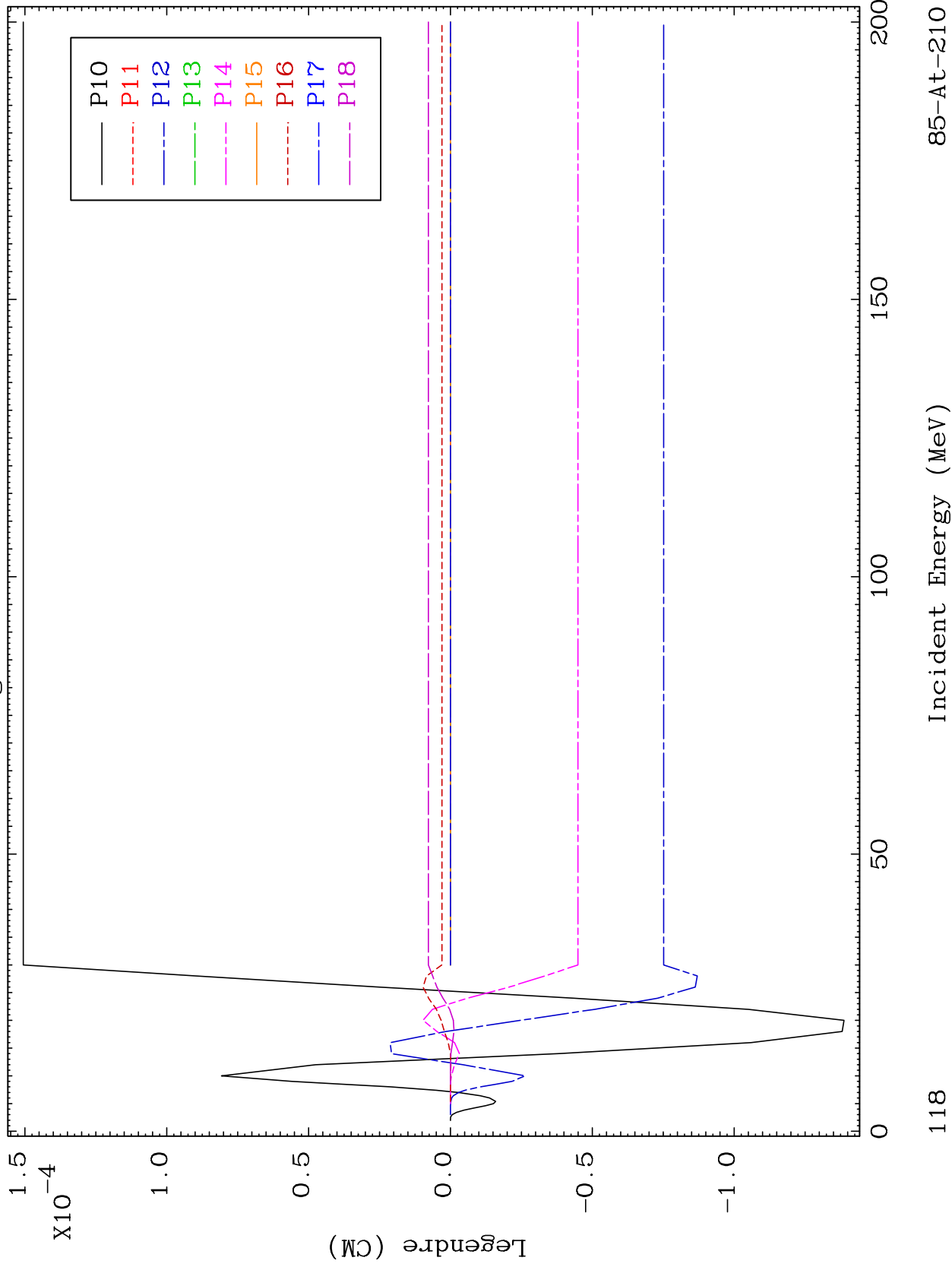
Incident Energy (MeV)

85-At-210

MAT 8546

MT= 79 (n,n') Level  
Legendre Coefficients

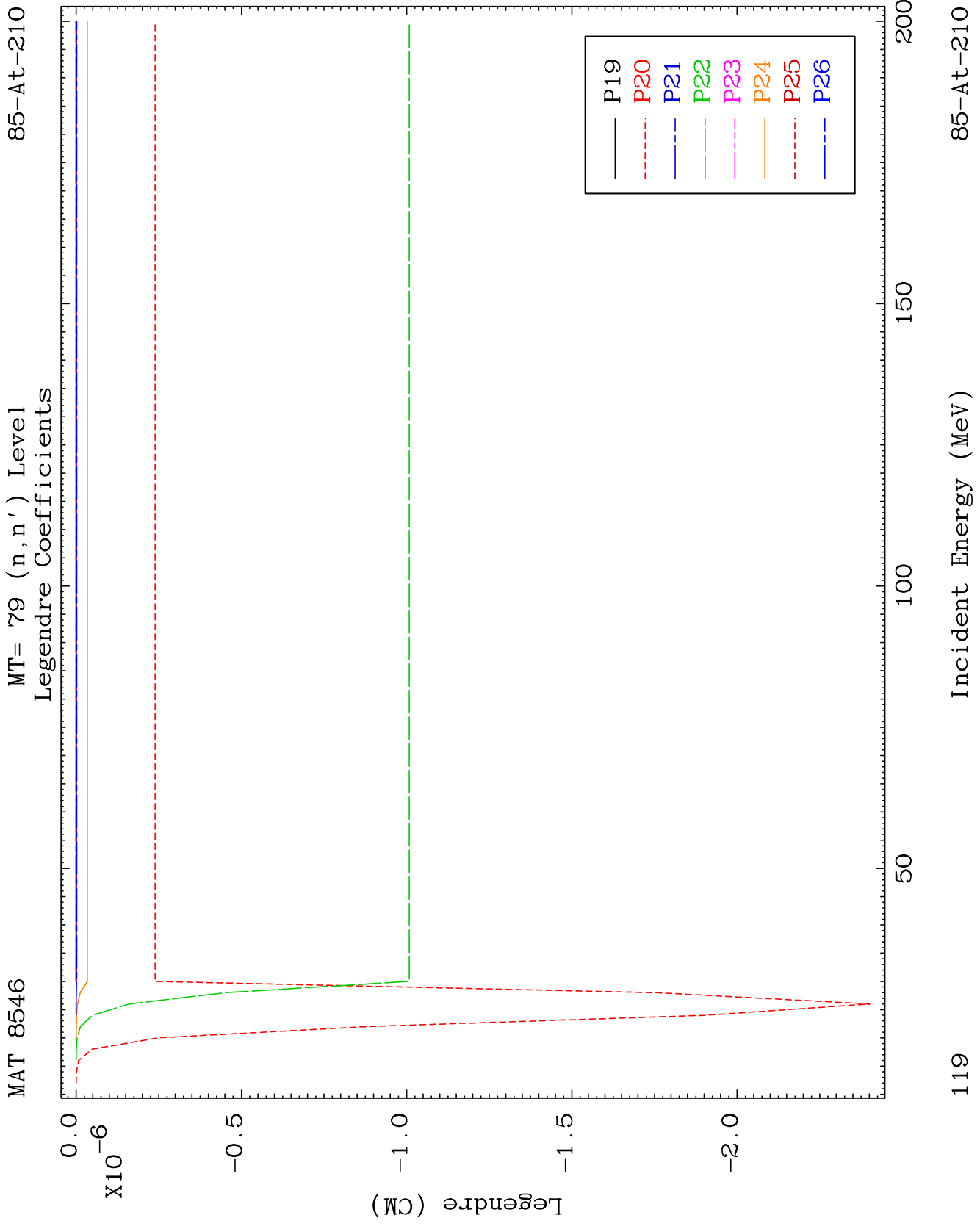
85-At-210



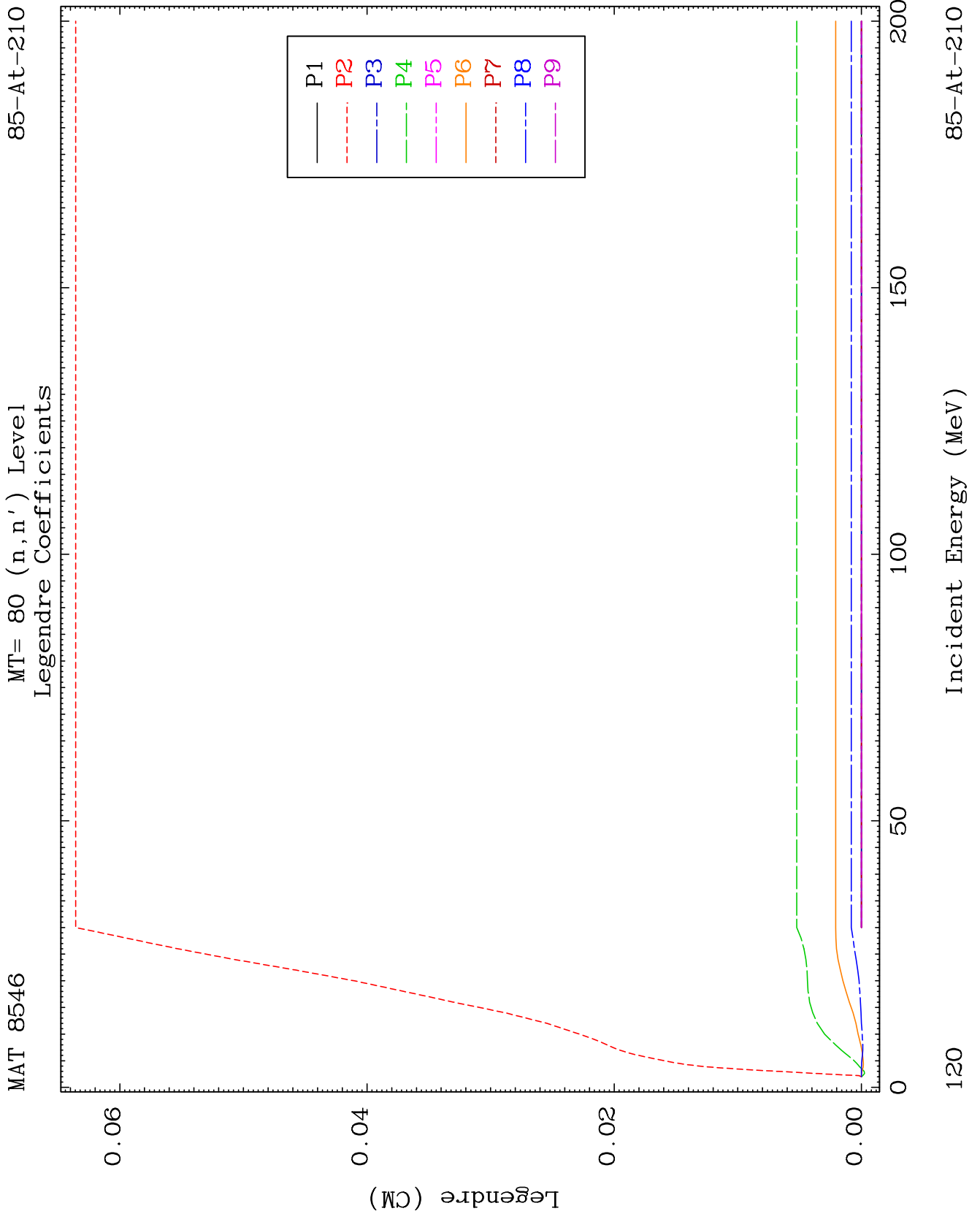
118

Incident Energy (MeV)

85-At-210



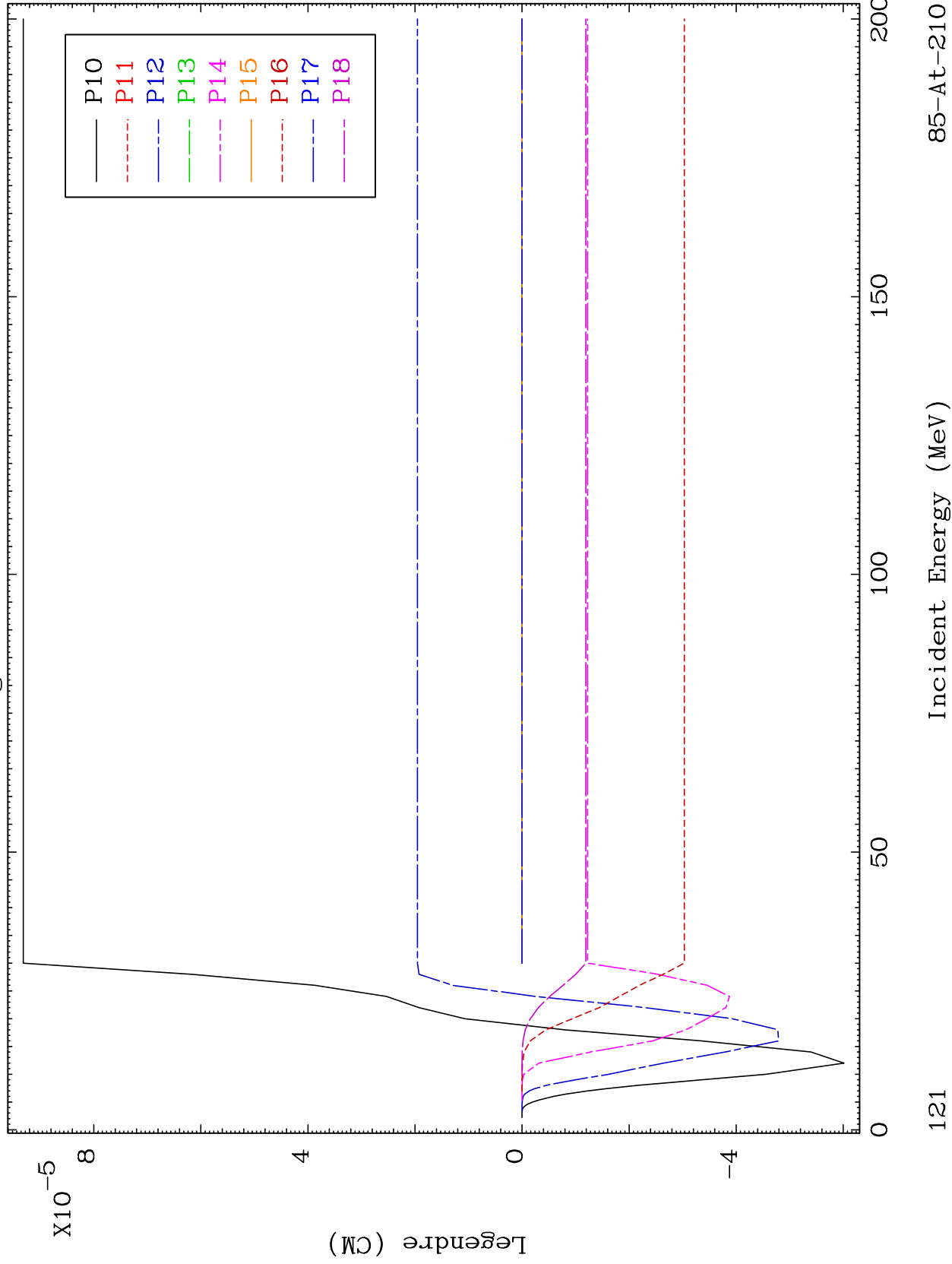




MAT 8546

MT= 80 (n,n') Level  
Legendre Coefficients

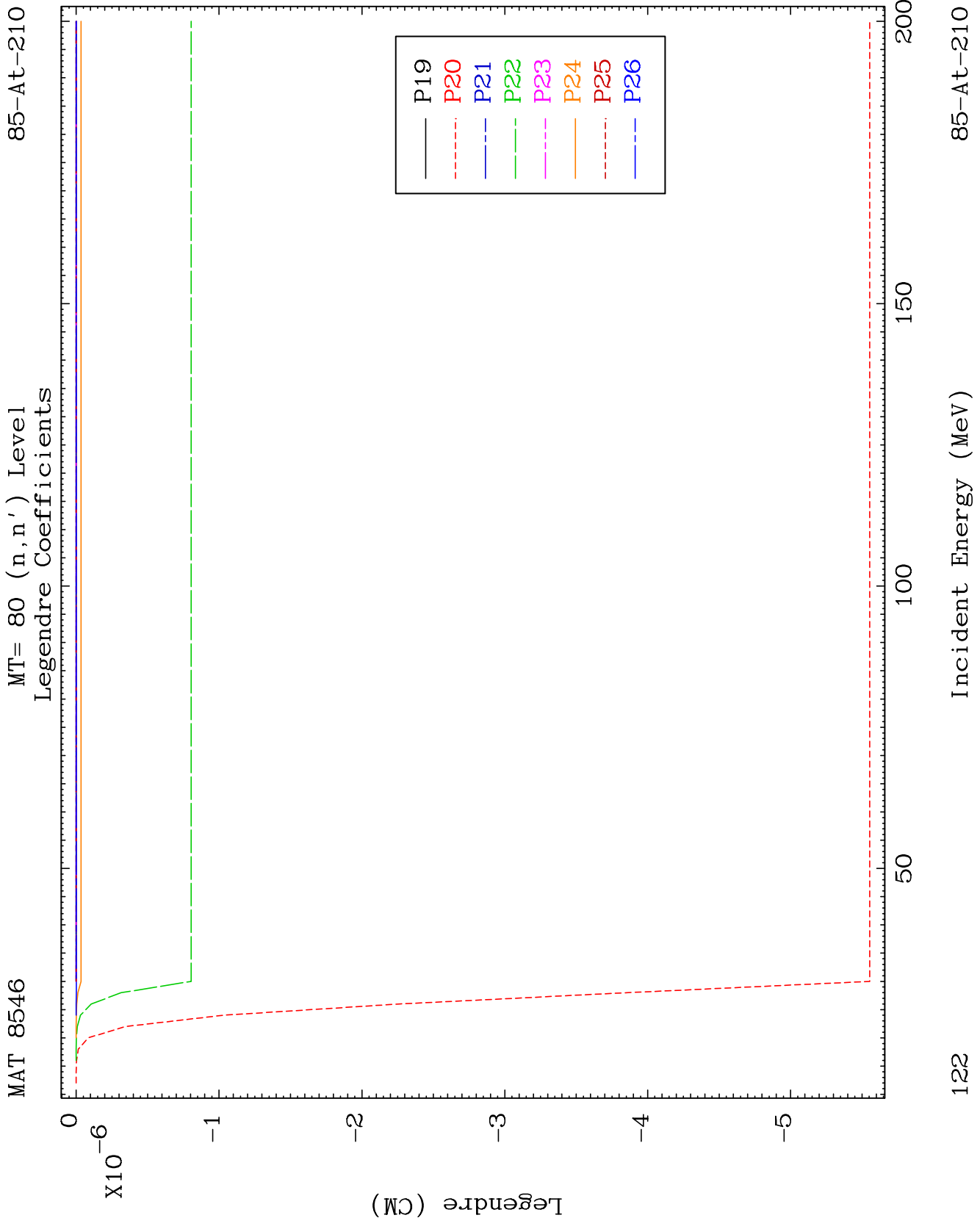
85-At-210



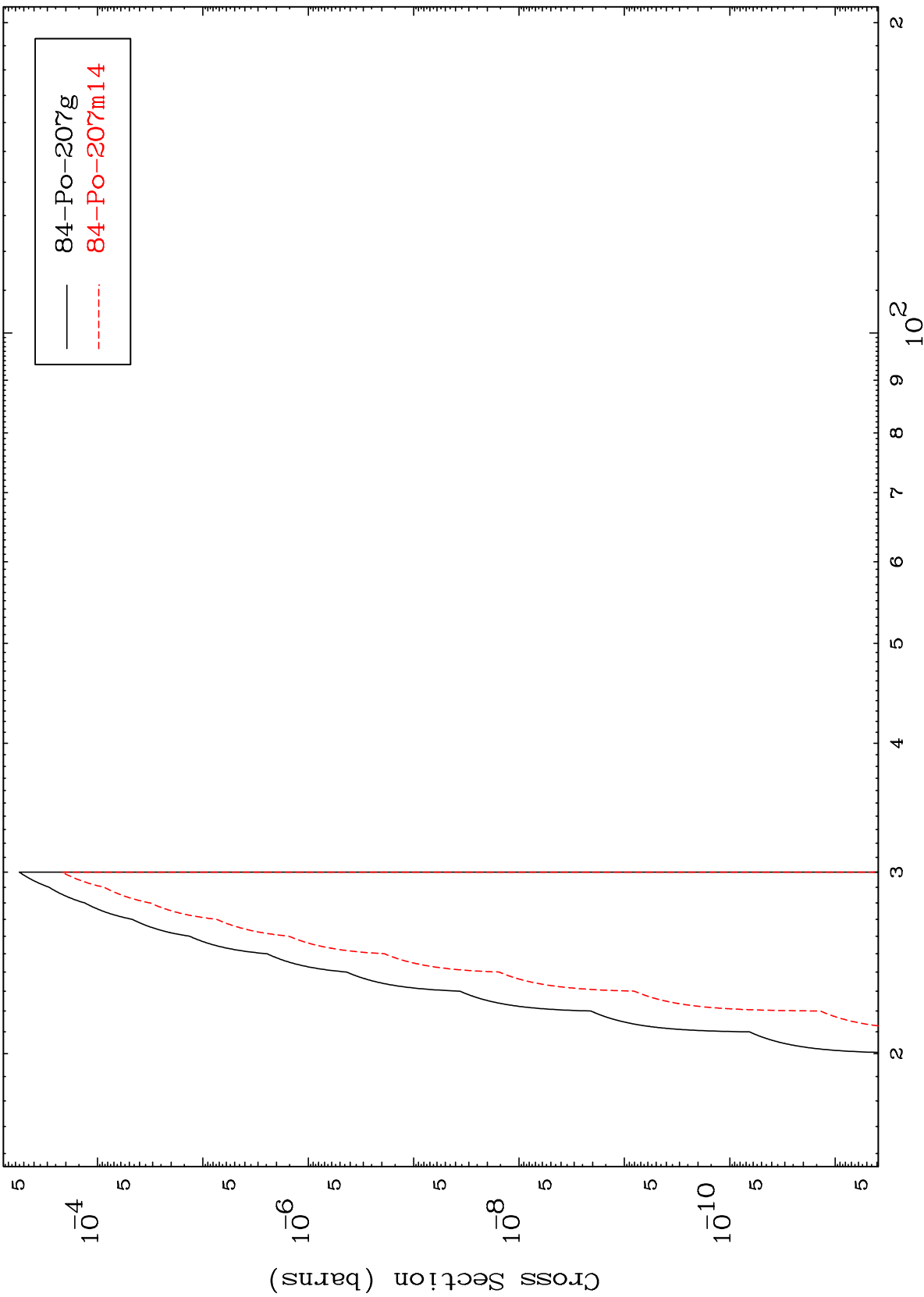
121

Incident Energy (MeV)

85-At-210



Radionuclide Production Cross Section

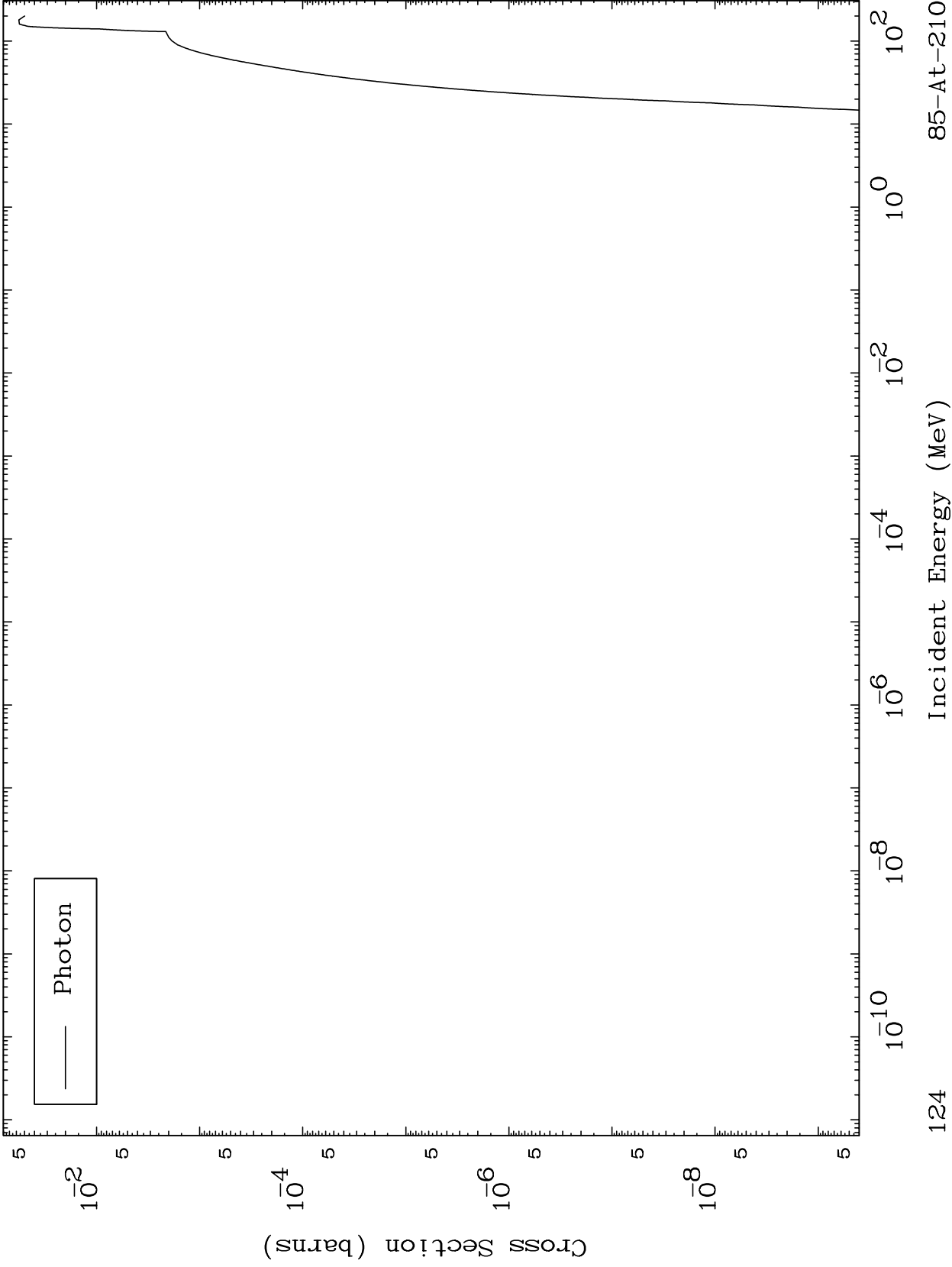


MAT 8546

Fission

85-At-210

Radionuclide Production Cross Section



124

Incident Energy (MeV)

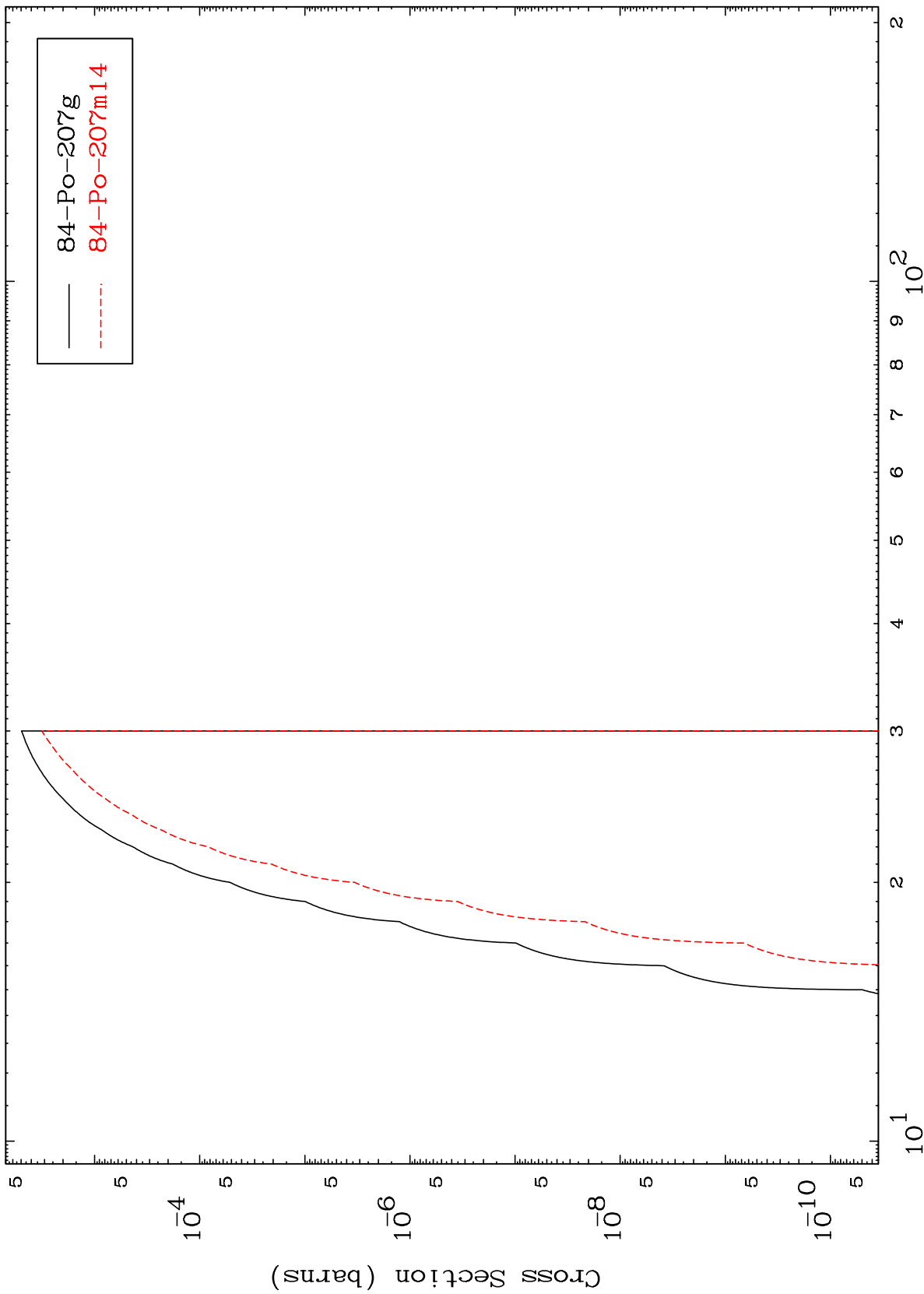
85-At-210

MAT 8546

(n,n') t

85-At-210

Radionuclide Production Cross Section



Incident Energy (MeV)

85-At-210

(n,3n) p  
Radionuclide Production Cross Section

