

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

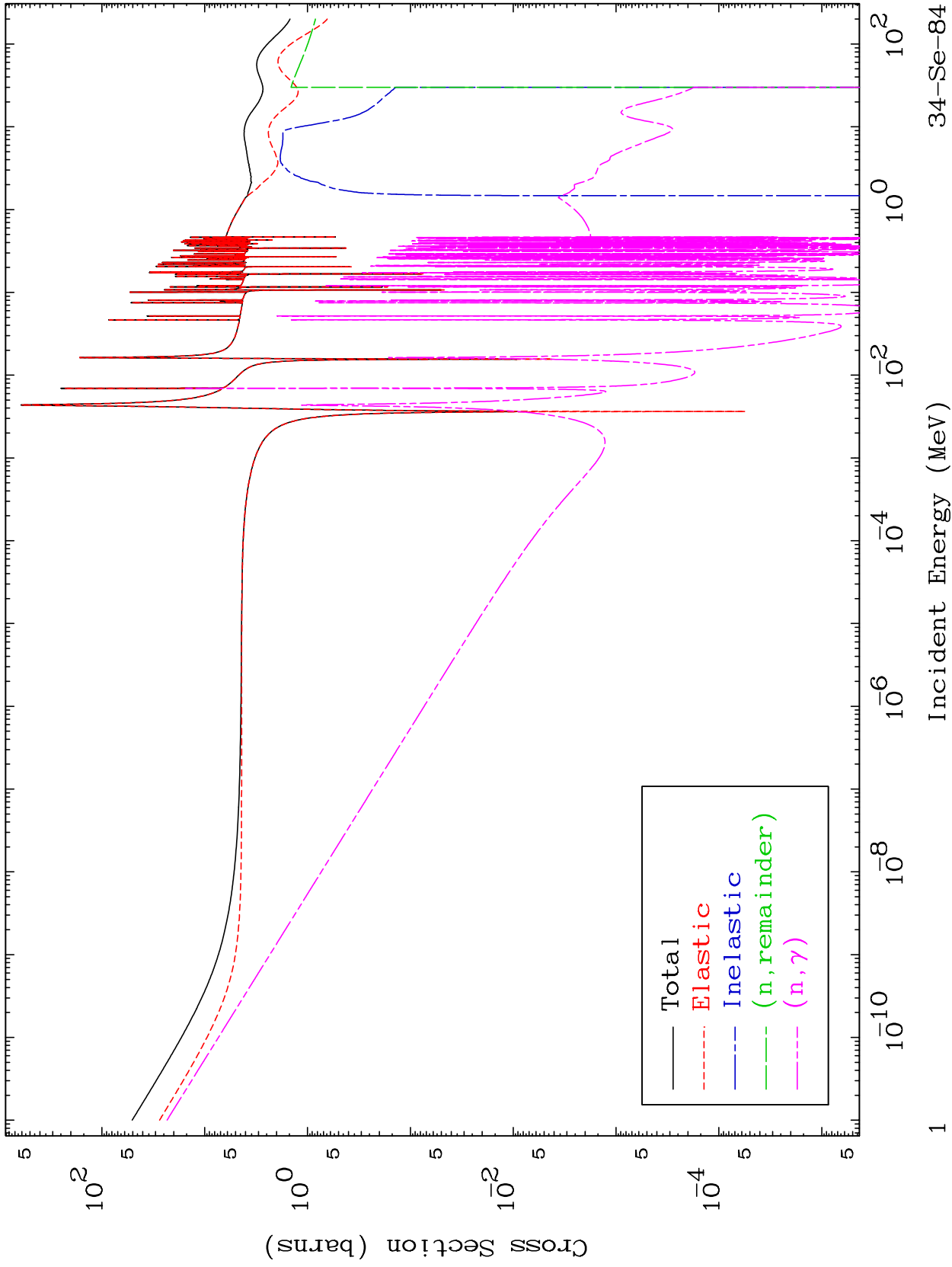
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3455

Major
293 Kelvin Cross Sections

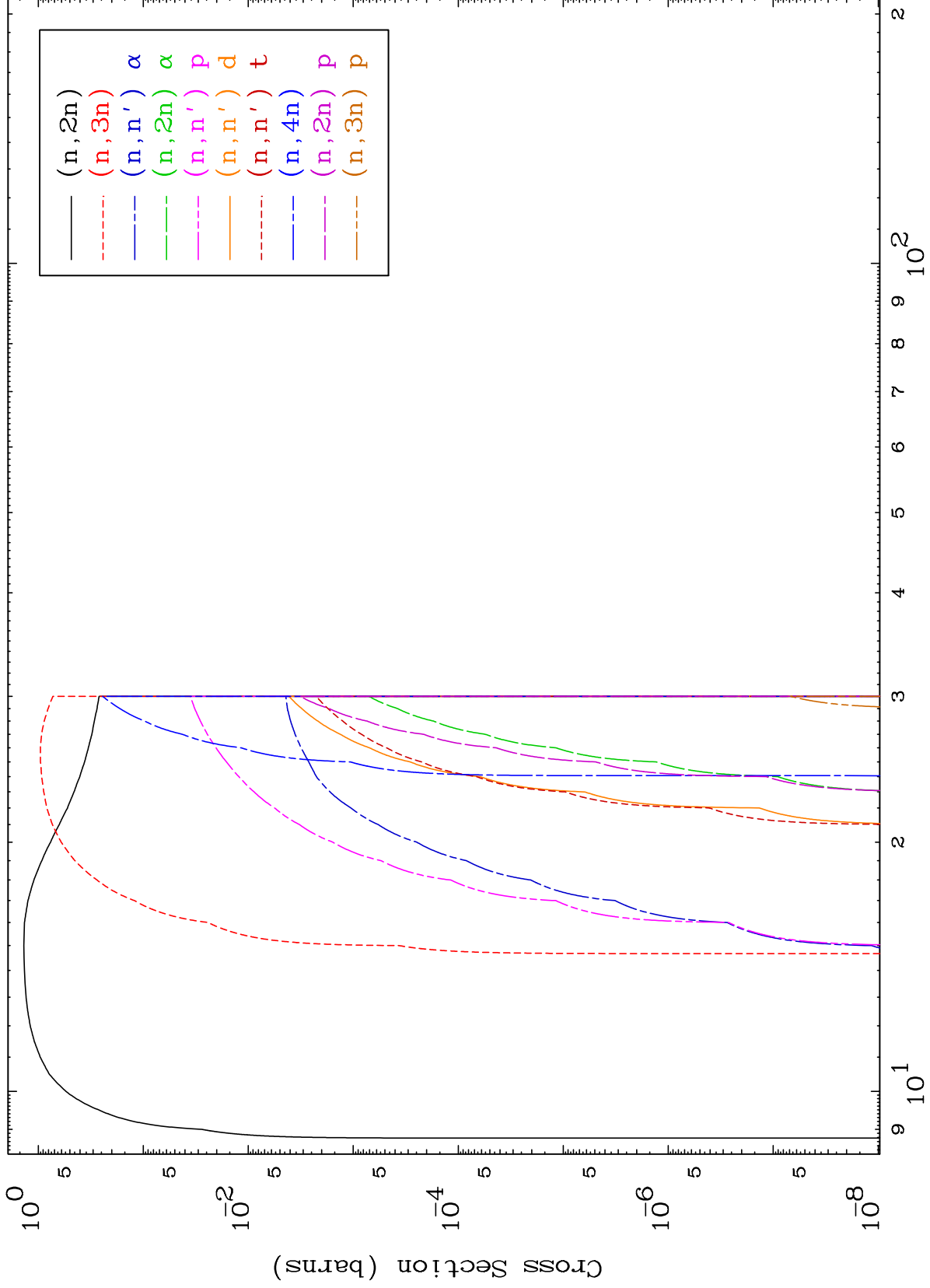
34-Se-84



MAT 3455

Neutron Production
293 Kelvin Cross Sections

34-Se-84



34-Se-84

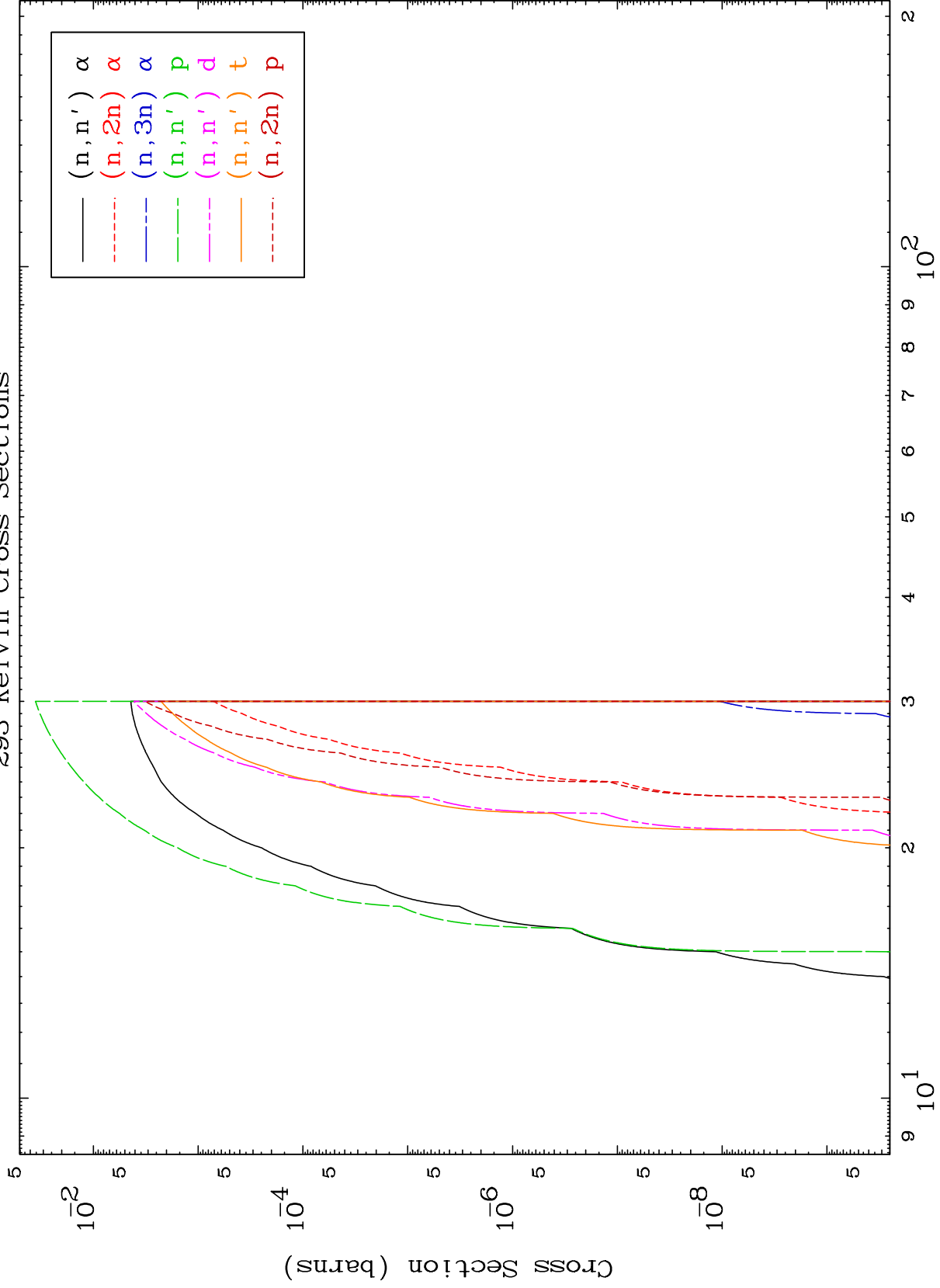
Incident Energy (MeV)

2

MAT 3455

Charged Particle
293 Kelvin Cross Sections

³⁴Se-84



³⁴Se-84

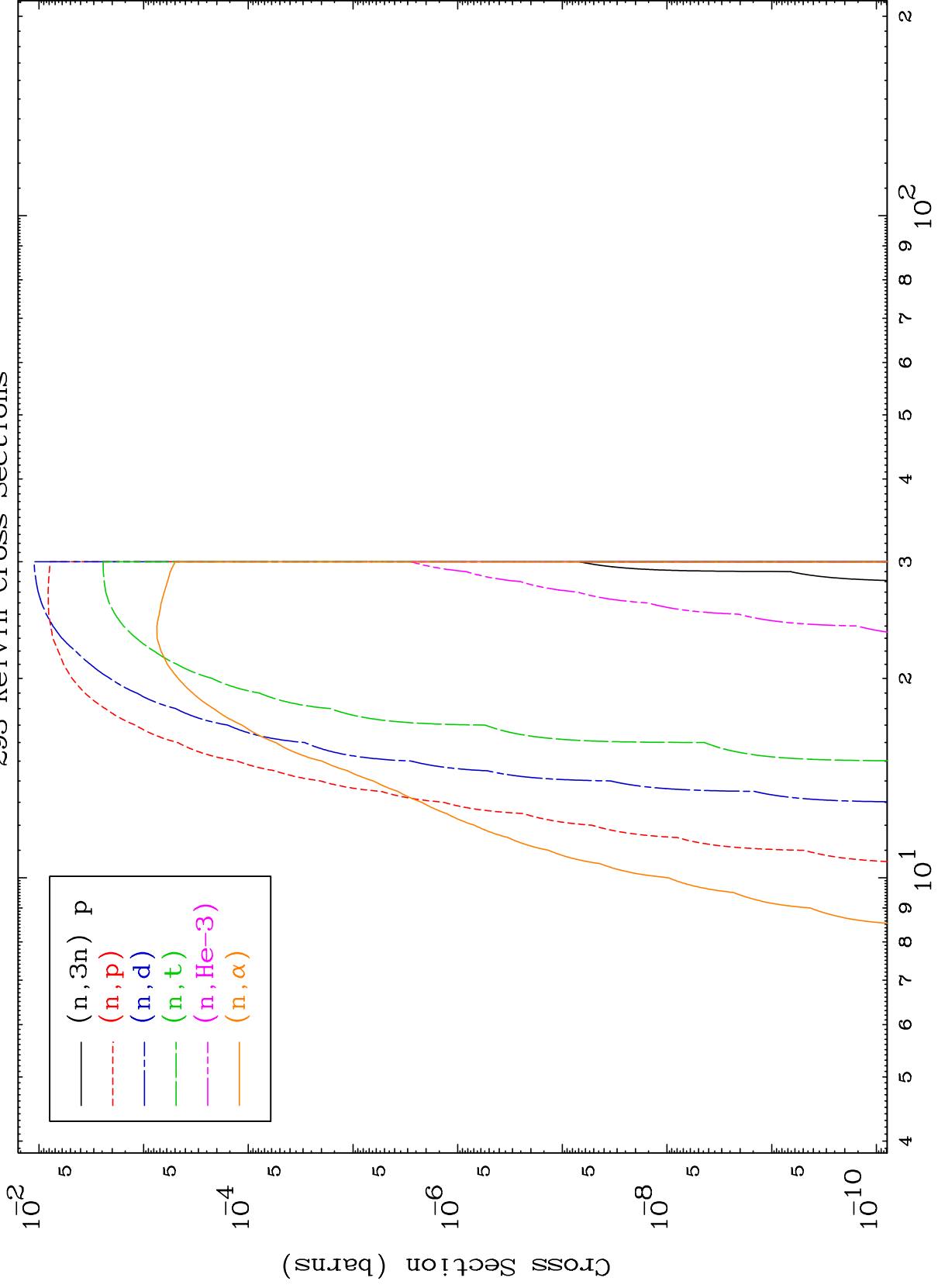
Incident Energy (MeV)

3

MAT 3455

Charged Particle
293 Kelvin Cross Sections

³⁴Se-84



4

Incident Energy (MeV)

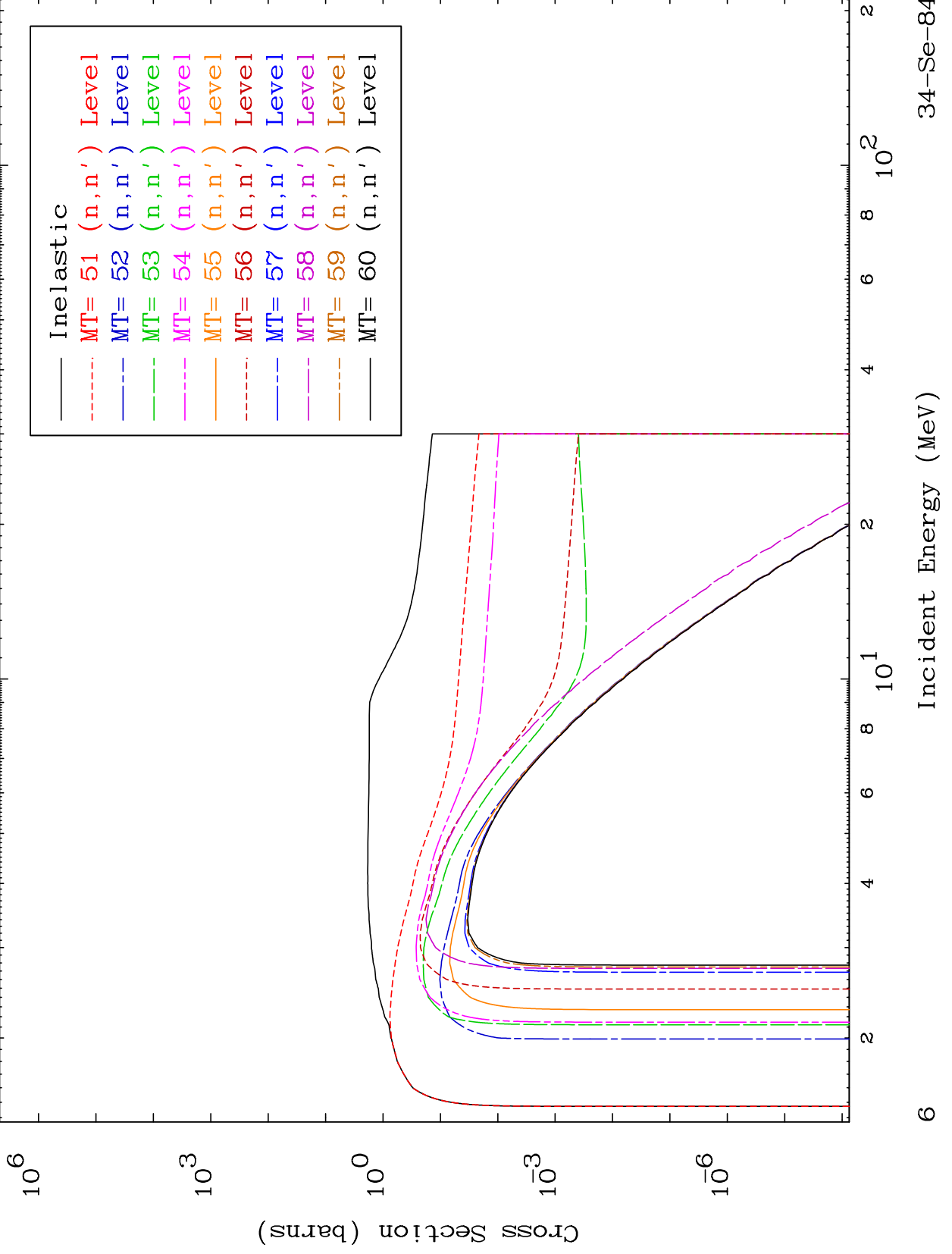
³⁴Se-84

MAT 3455

(n,n') Level

34-Se-84

293 Kelvin Cross Sections



6

Incident Energy (MeV)

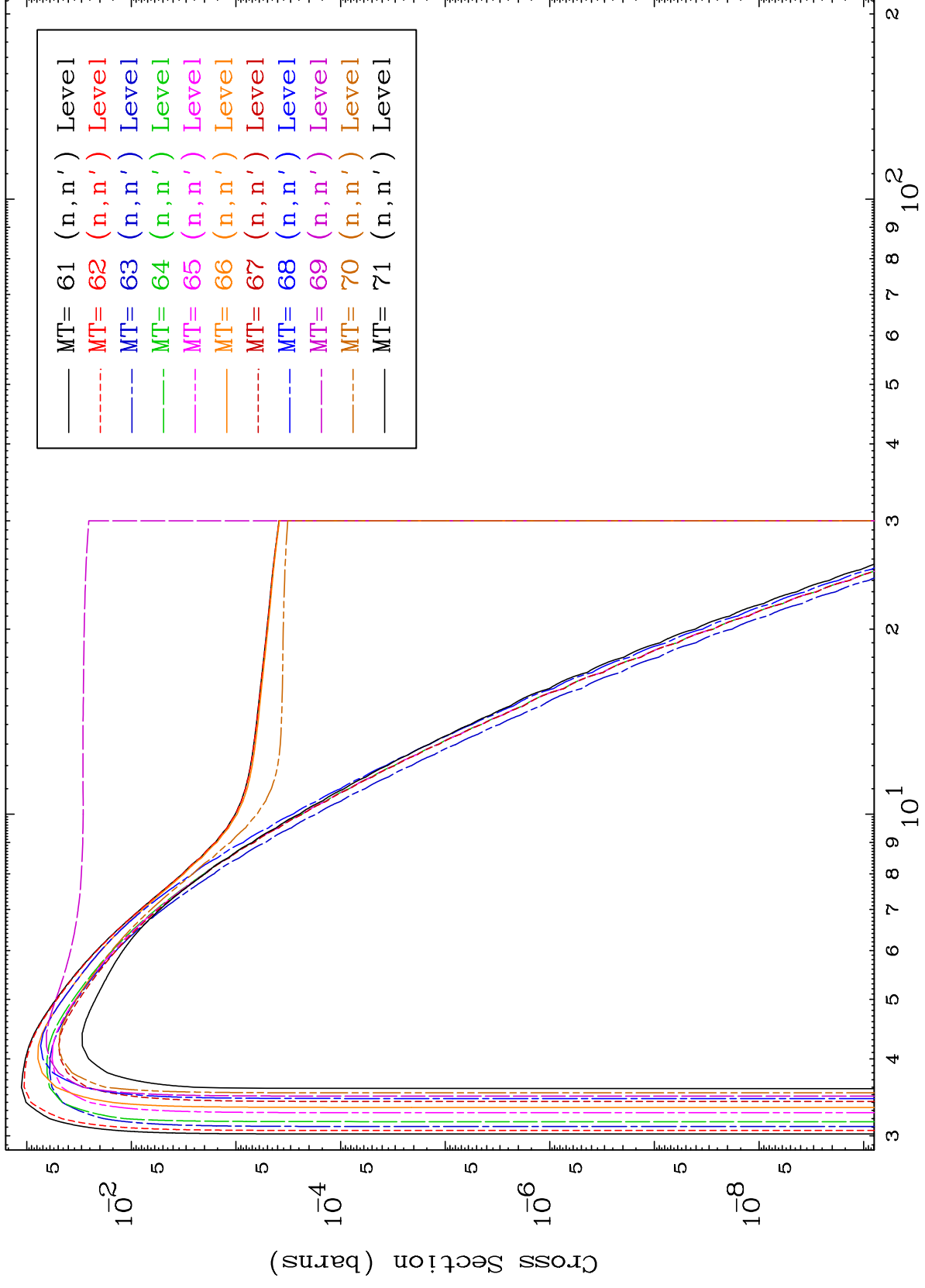
34-Se-84

MAT 3455

(n,n') Level

34-Se-84

293 Kelvin Cross Sections



Incident Energy (MeV)

34-Se-84

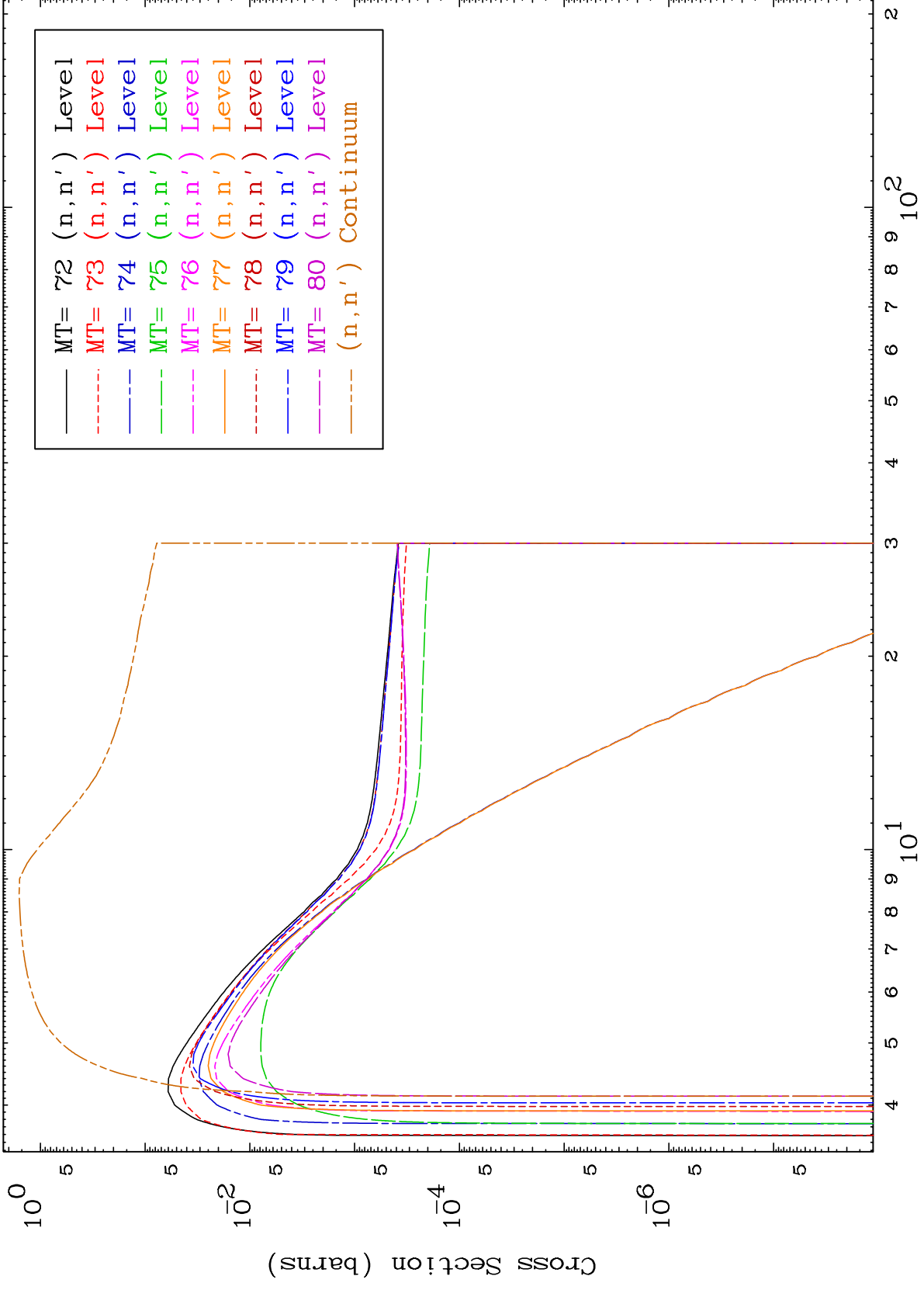
7

MAT 3455

(n,n') Level

34-Se-84

293 Kelvin Cross Sections



Incident Energy (MeV)

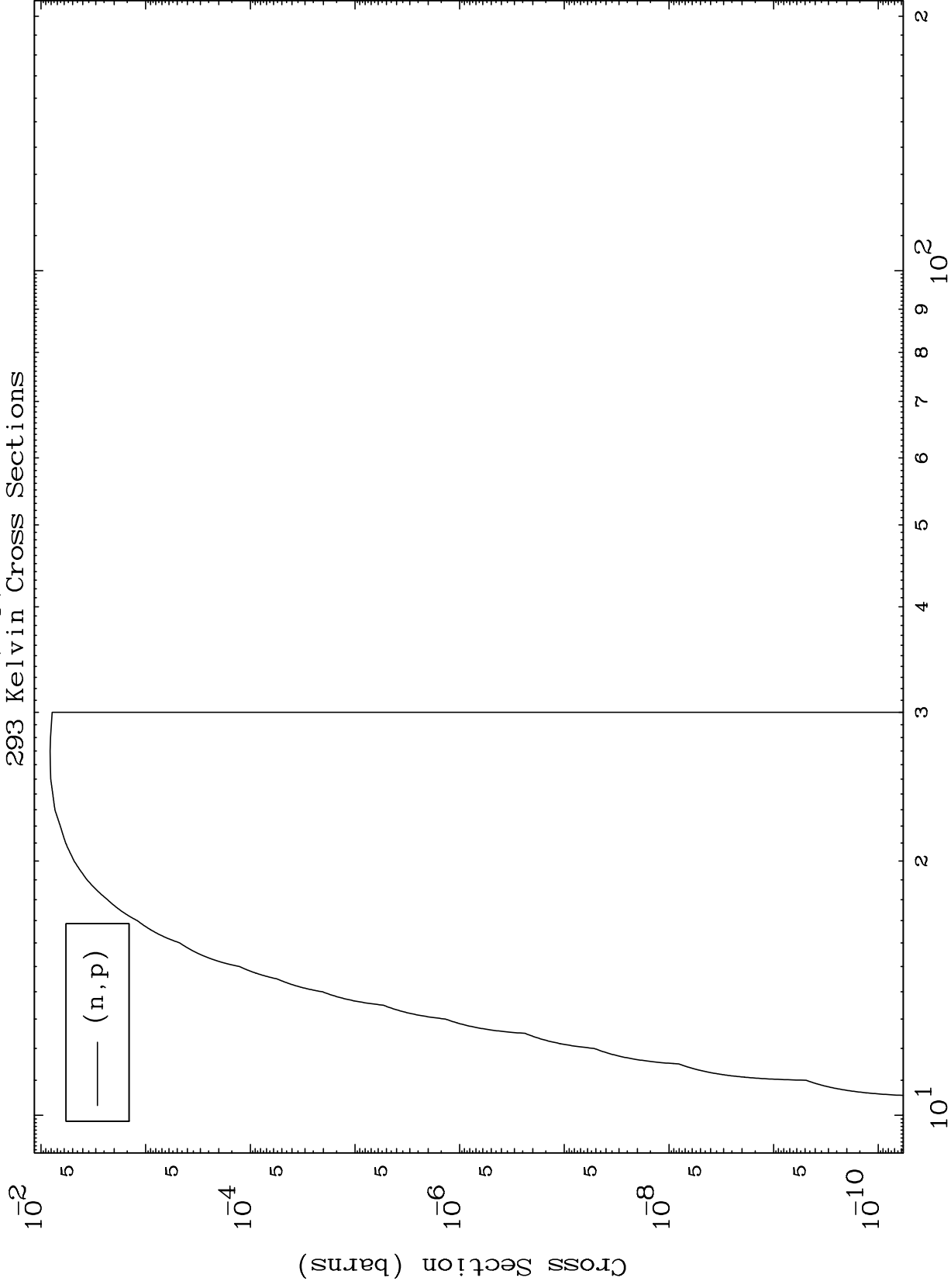
34-Se-84

8

MAT 3455

(n,p) Levels
293 Kelvin Cross Sections

³⁴Se-84



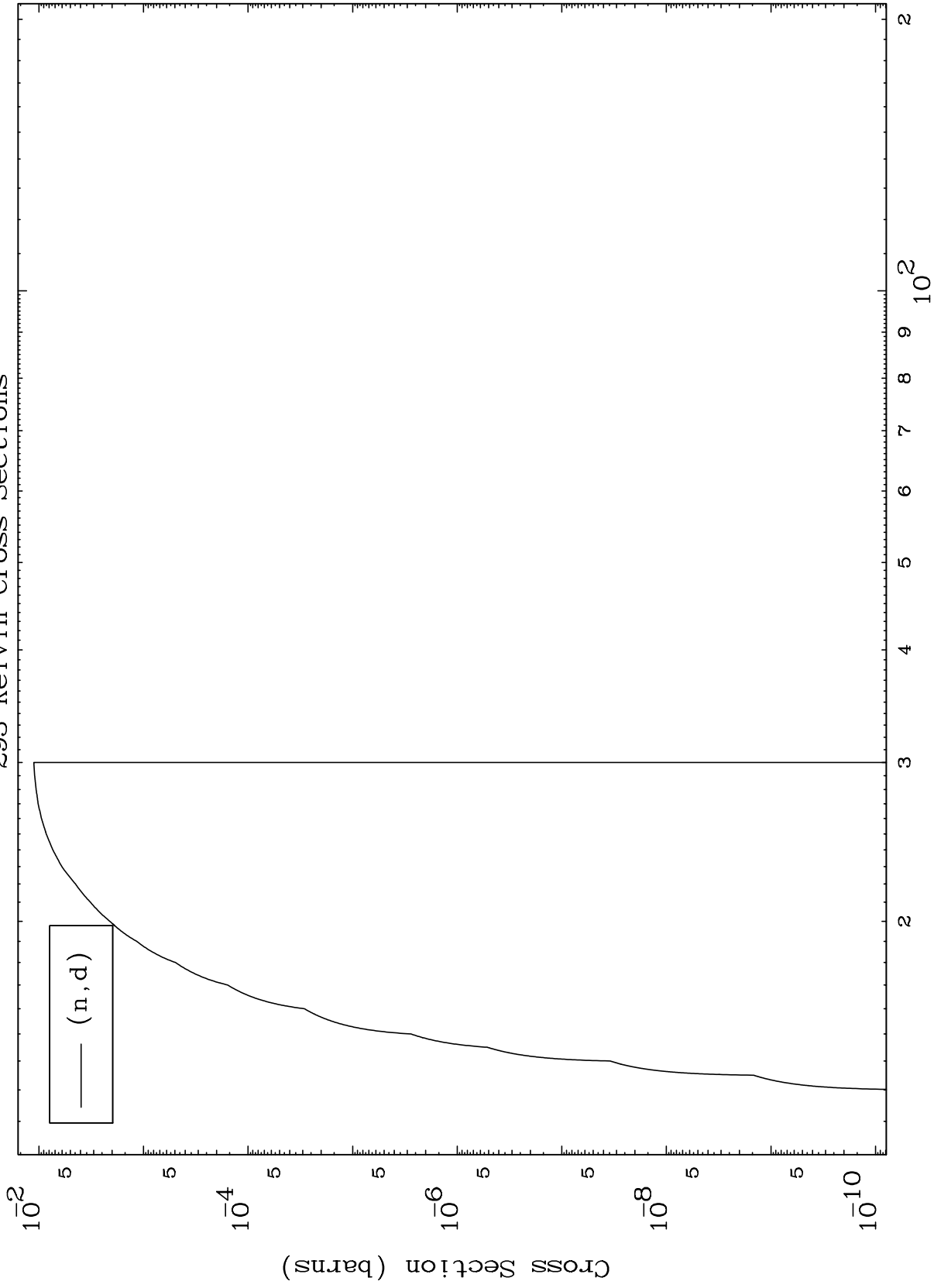
Incident Energy (MeV)

³⁴Se-84

MAT 3455

(n,d) Levels
293 Kelvin Cross Sections

³⁴Se-84



10

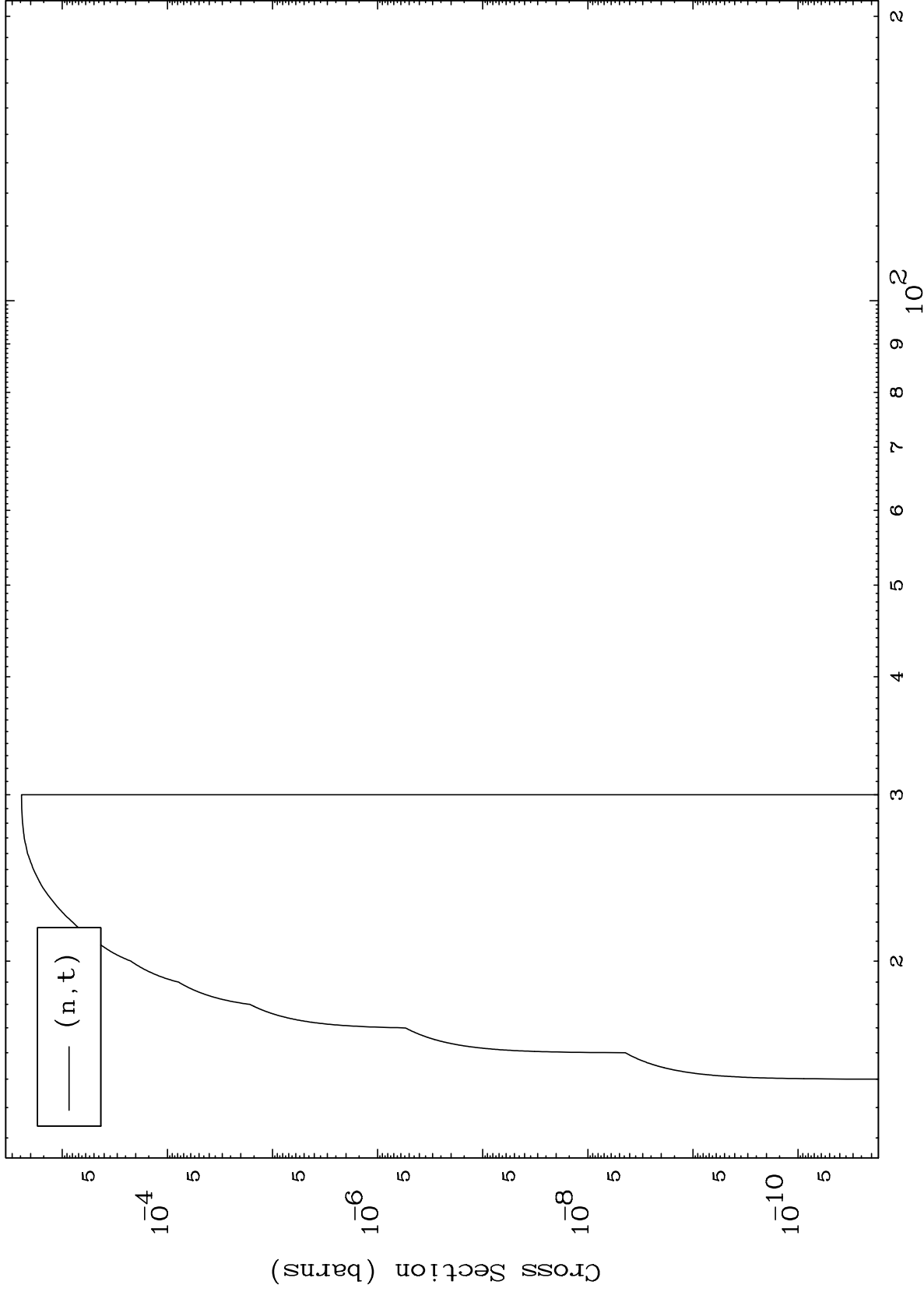
Incident Energy (MeV)

³⁴Se-84

MAT 3455

(n,t) Levels
293 Kelvin Cross Sections

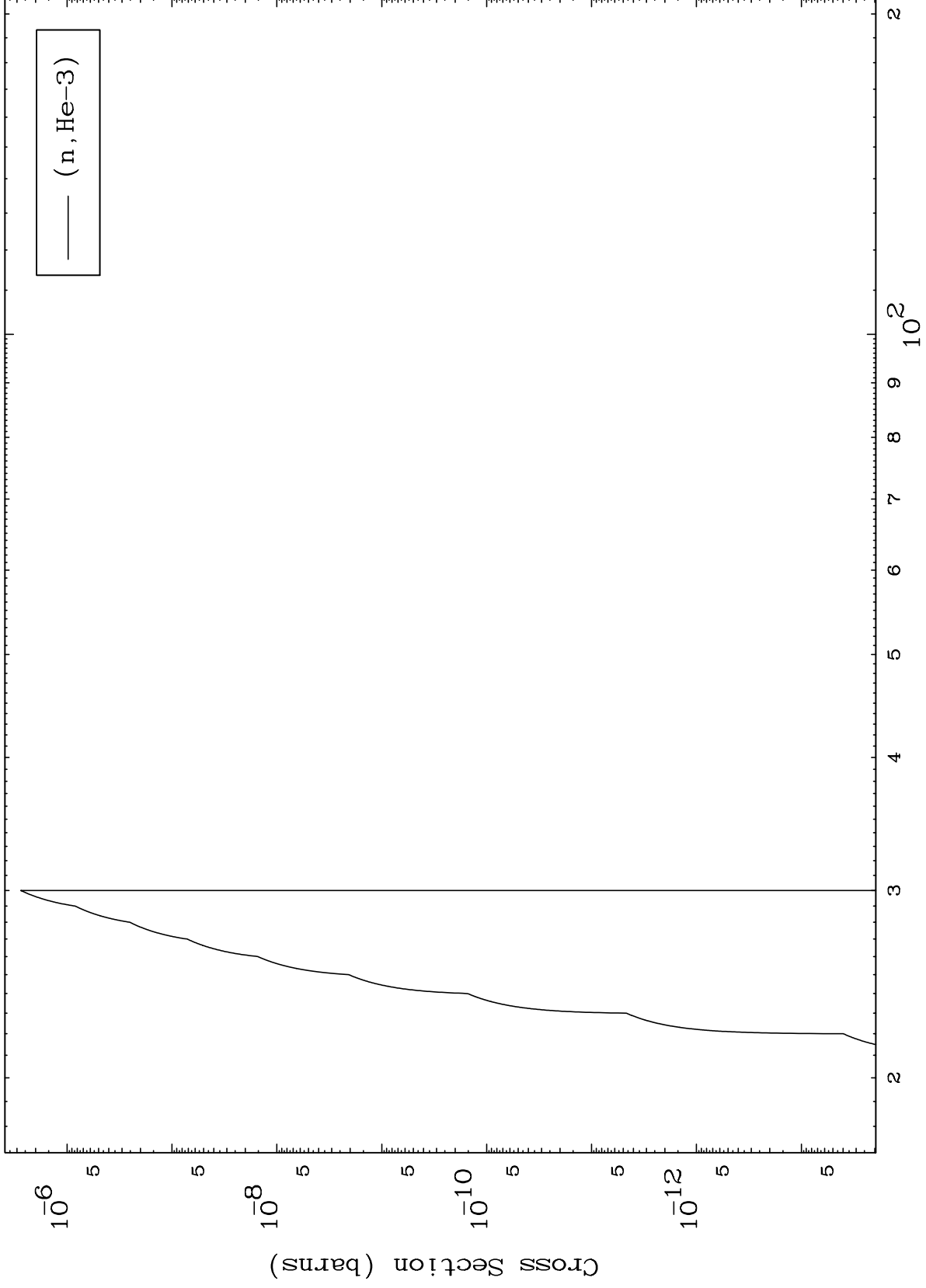
³⁴Se-84



MAT 3455

(n,He3) Levels
293 Kelvin Cross Sections

34-Se-84



12

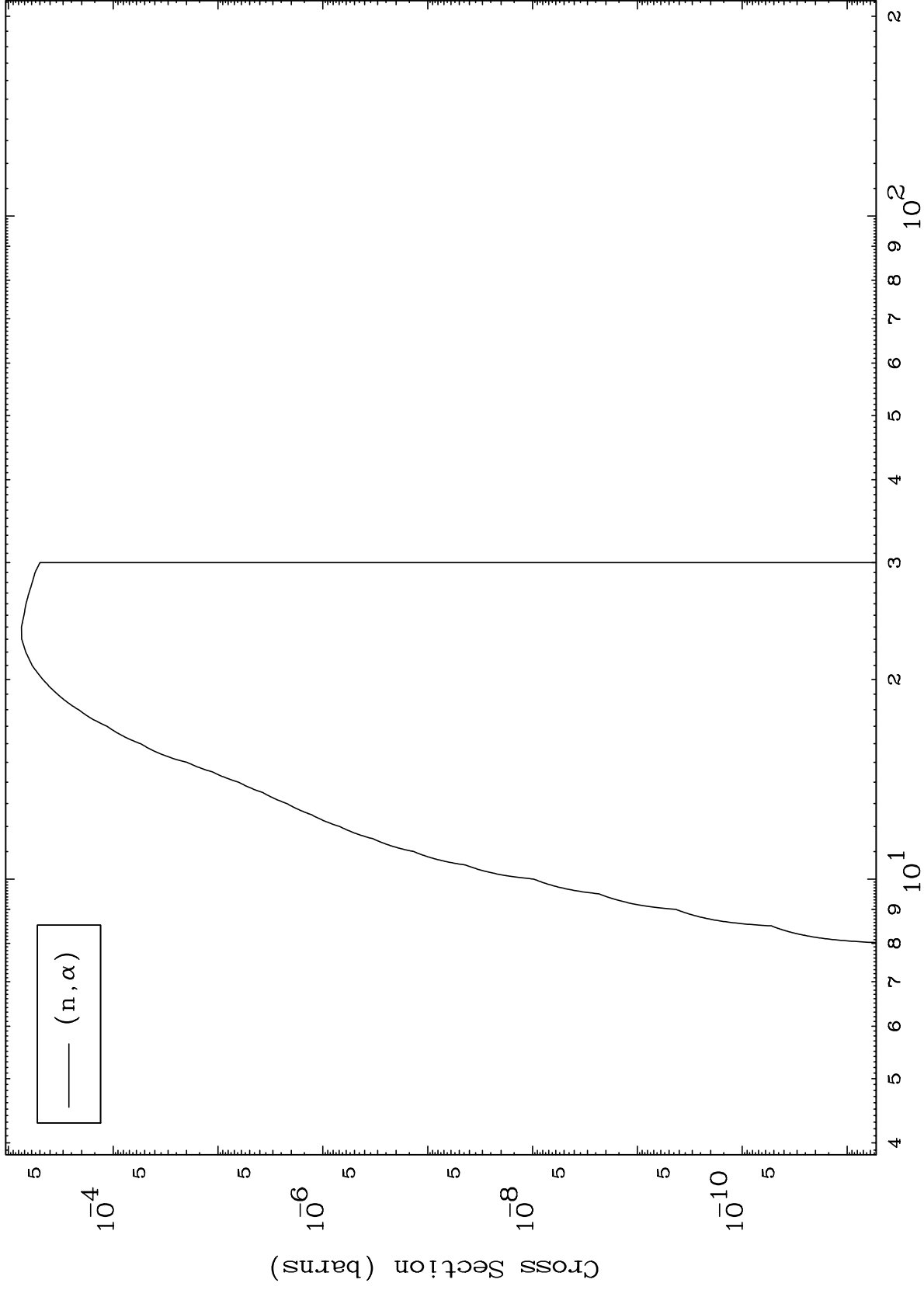
Incident Energy (MeV)

34-Se-84

MAT 3455

(n, α) Levels
293 Kelvin Cross Sections

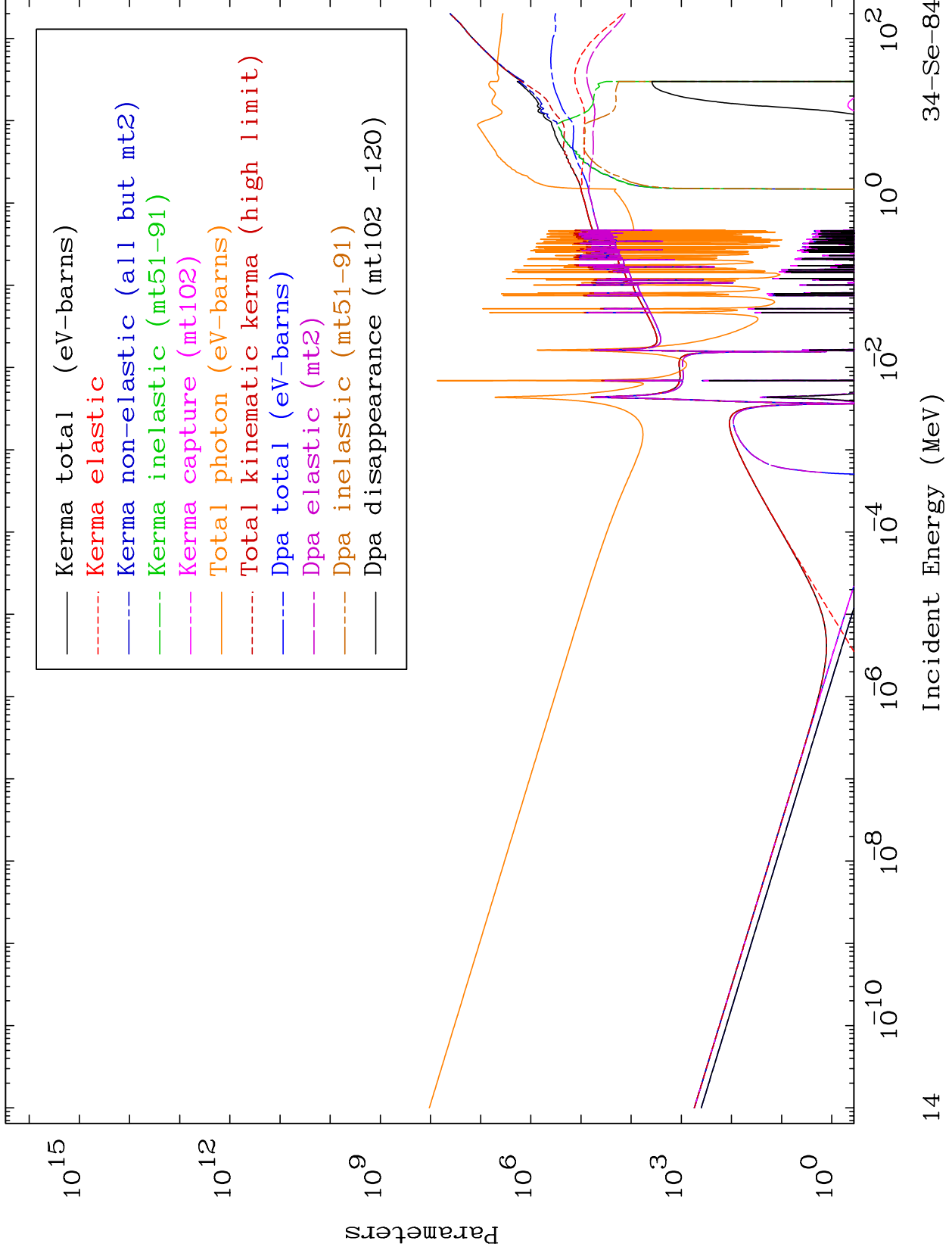
³⁴Se-84



13

Incident Energy (MeV)

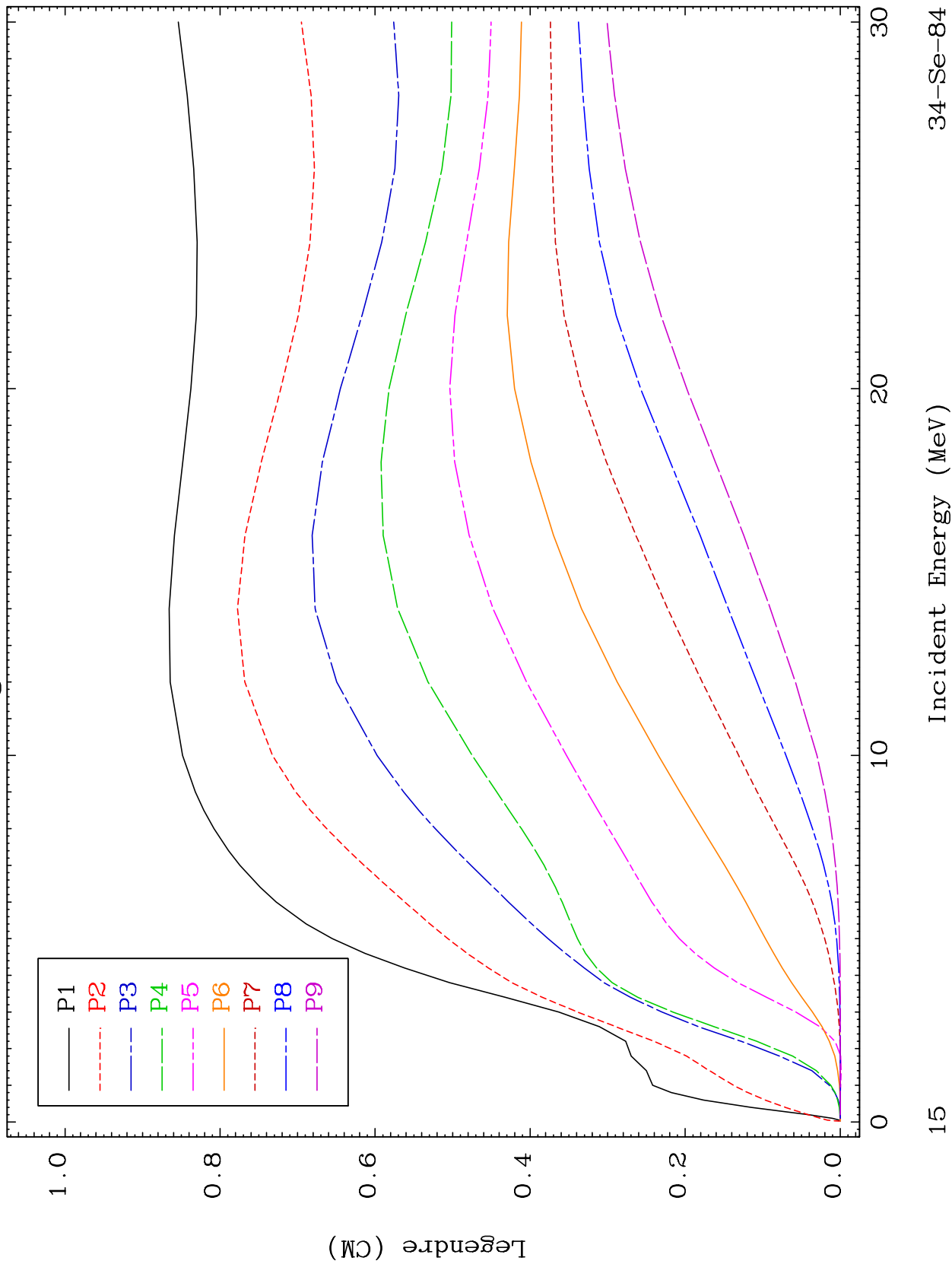
³⁴Se-84

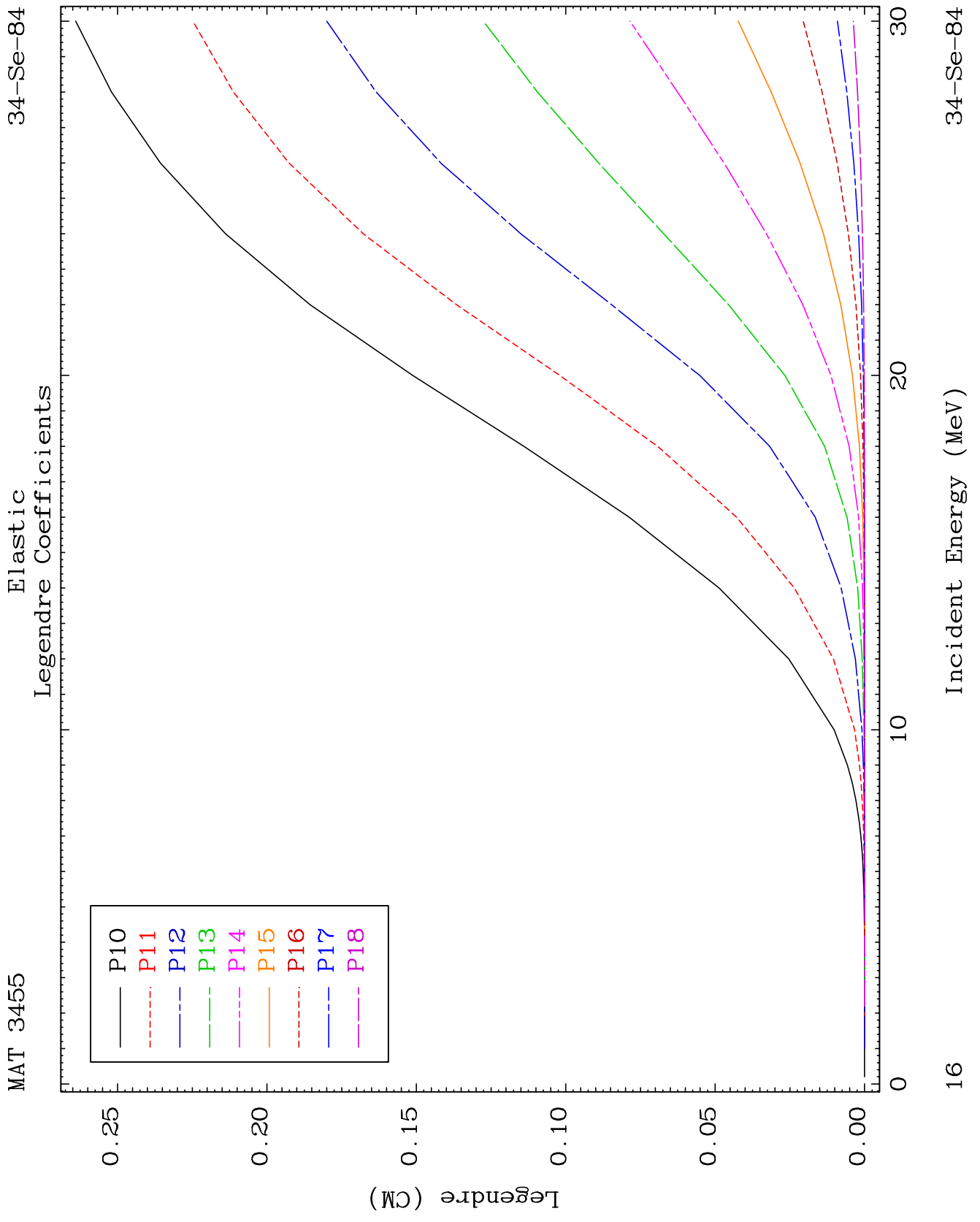


MAT 3455

Elastic Legendre Coefficients

³⁴Se-84





MAT 3455

Elastic Legendre Coefficients

³⁴Se-84

16

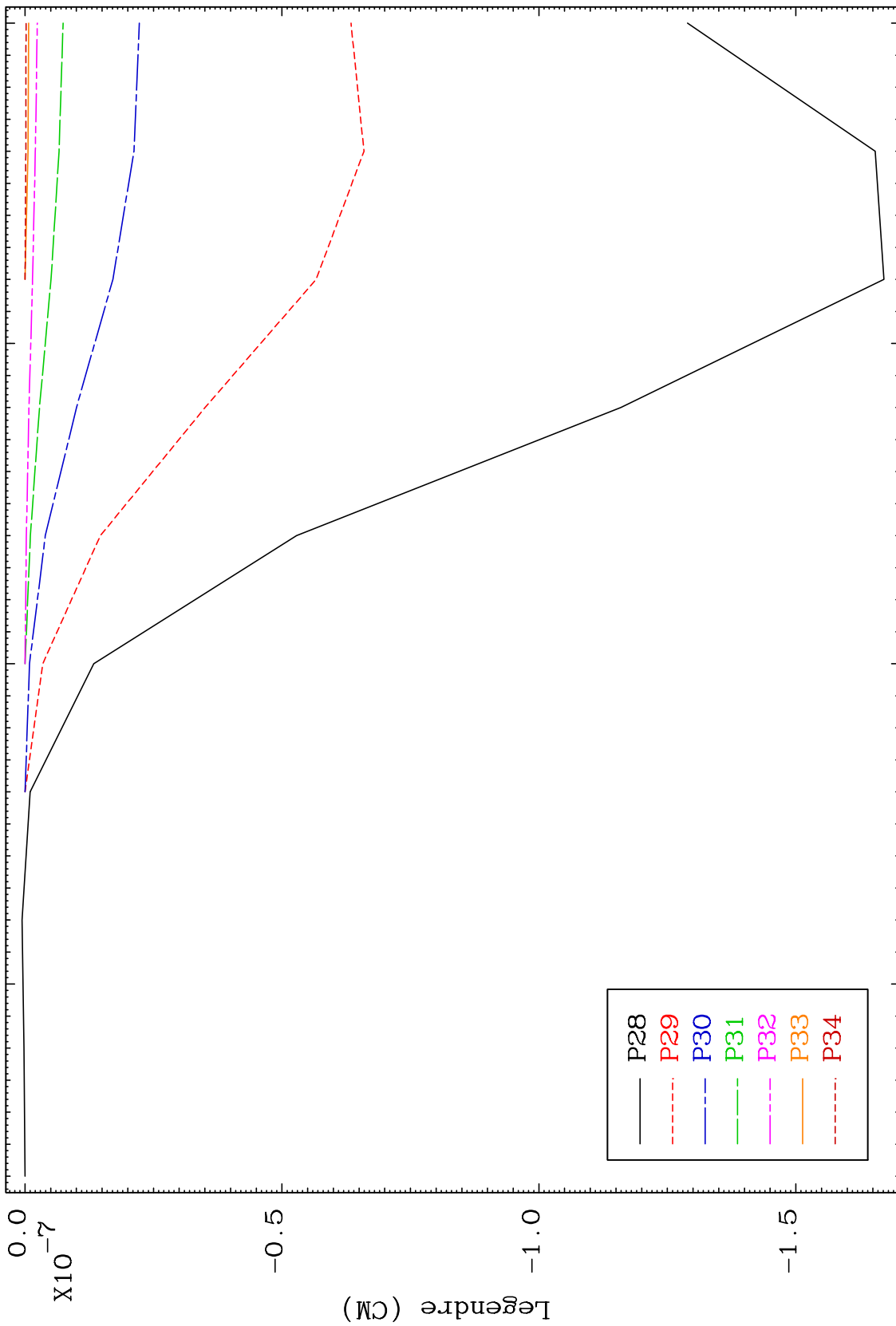
Incident Energy (MeV)

³⁴Se-84

MAT 3455

³⁴Se-84

Elastic Legendre Coefficients



0.0
X10⁻⁷

-0.5

-1.0

-1.5

15

20

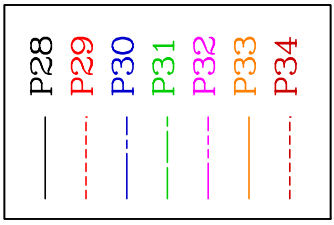
25

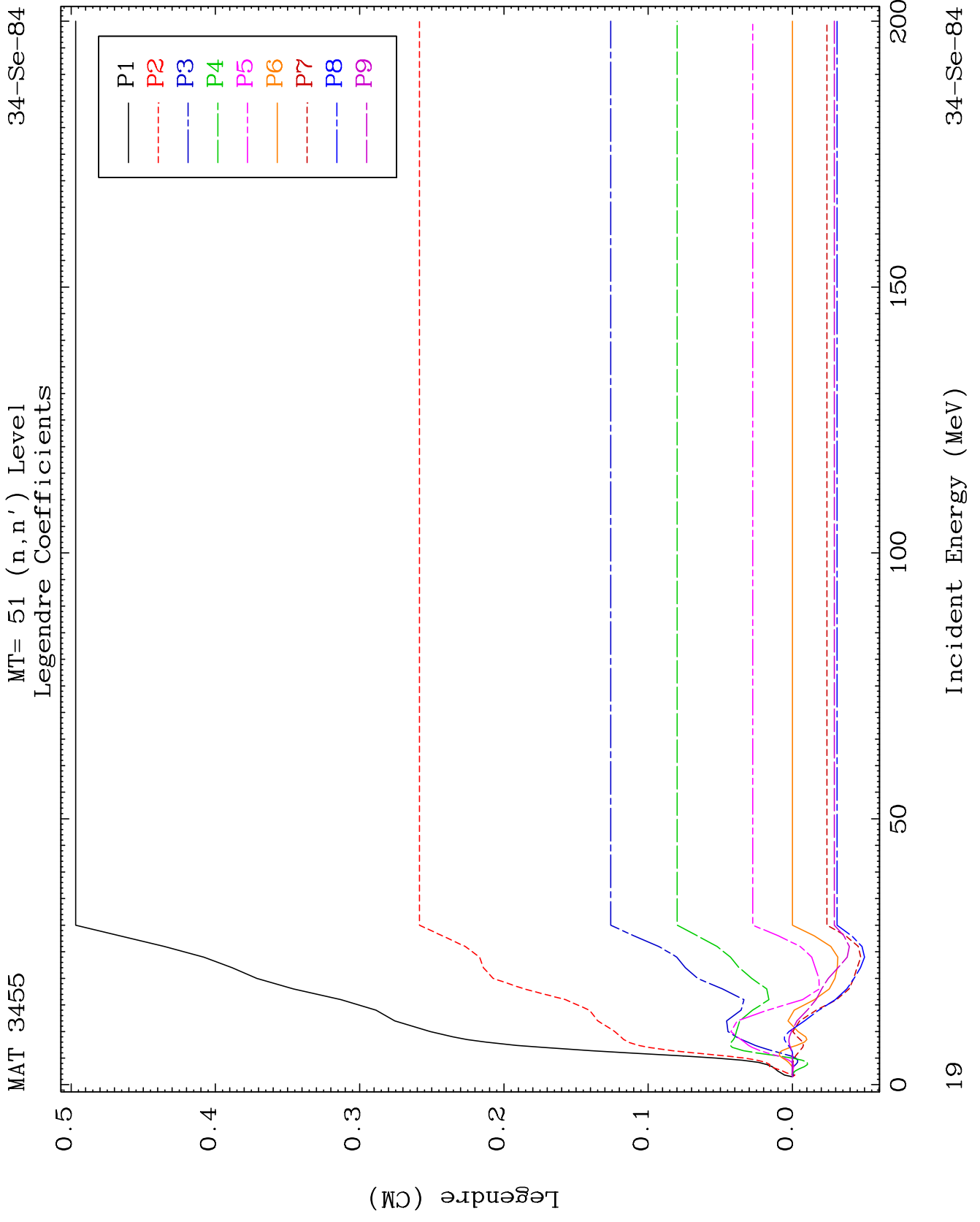
30

18

Incident Energy (MeV)

³⁴Se-84

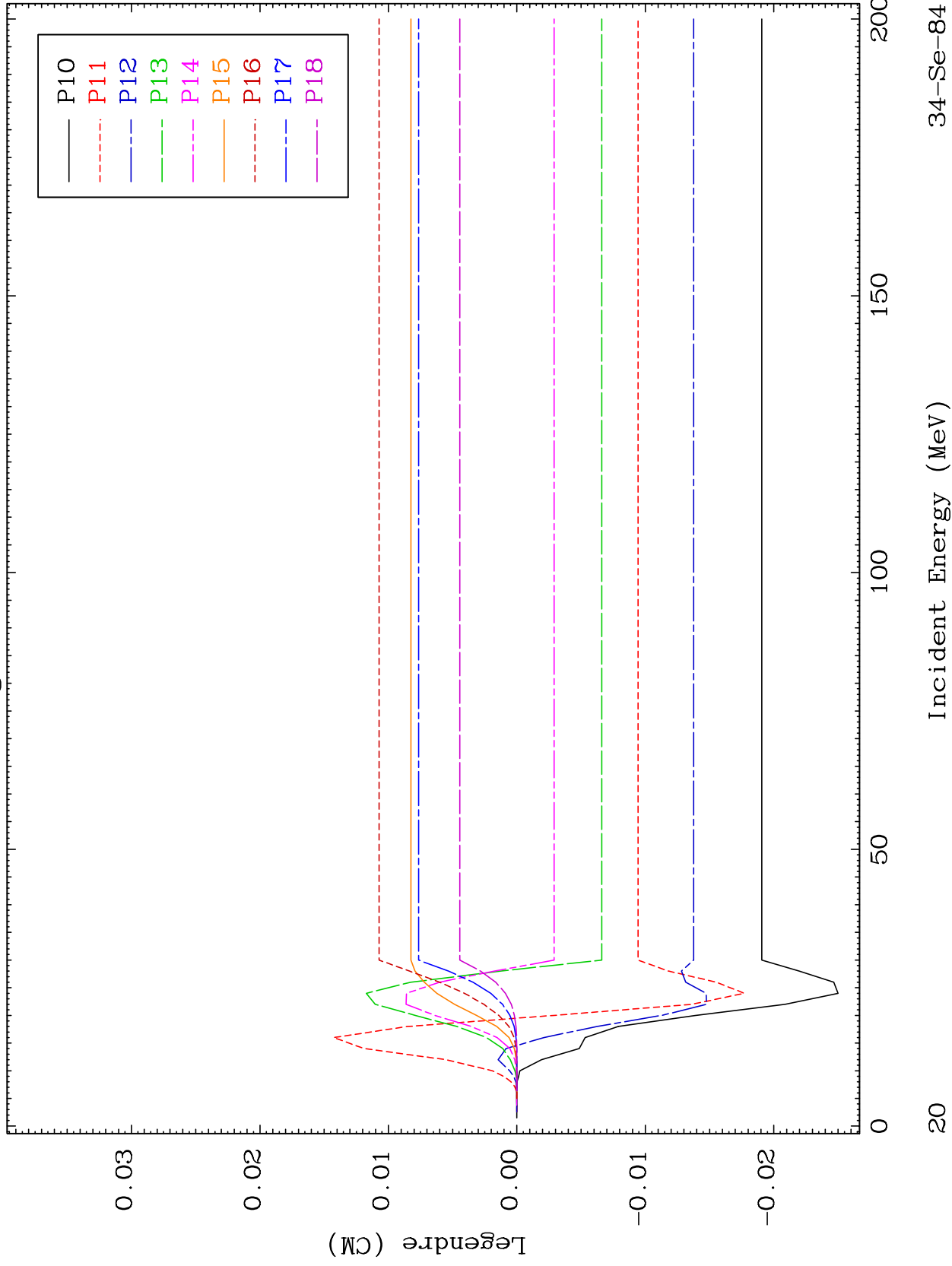




MAT 3455

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

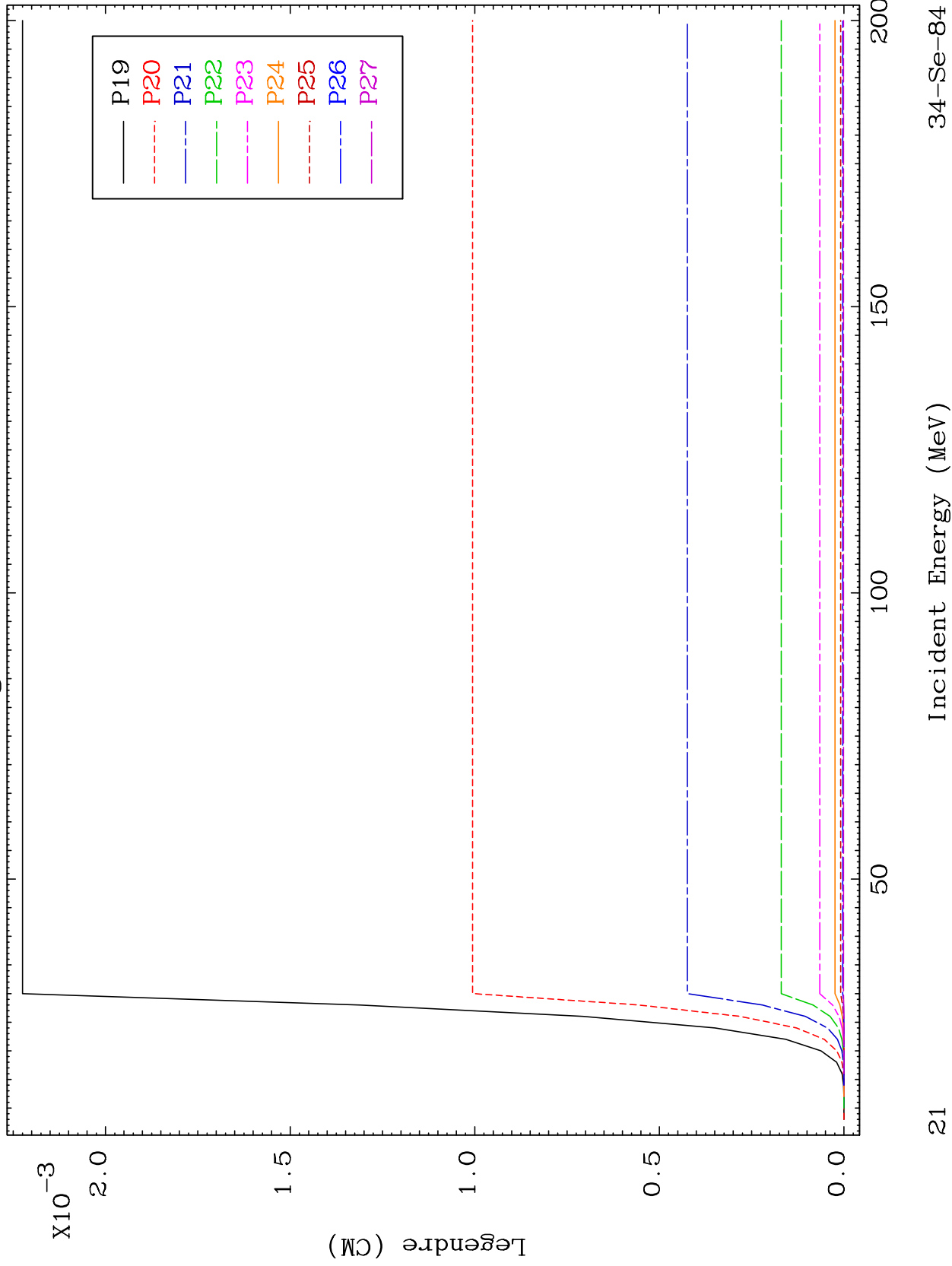
³⁴Se-84



MAT 3455

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

³⁴Se-84



21

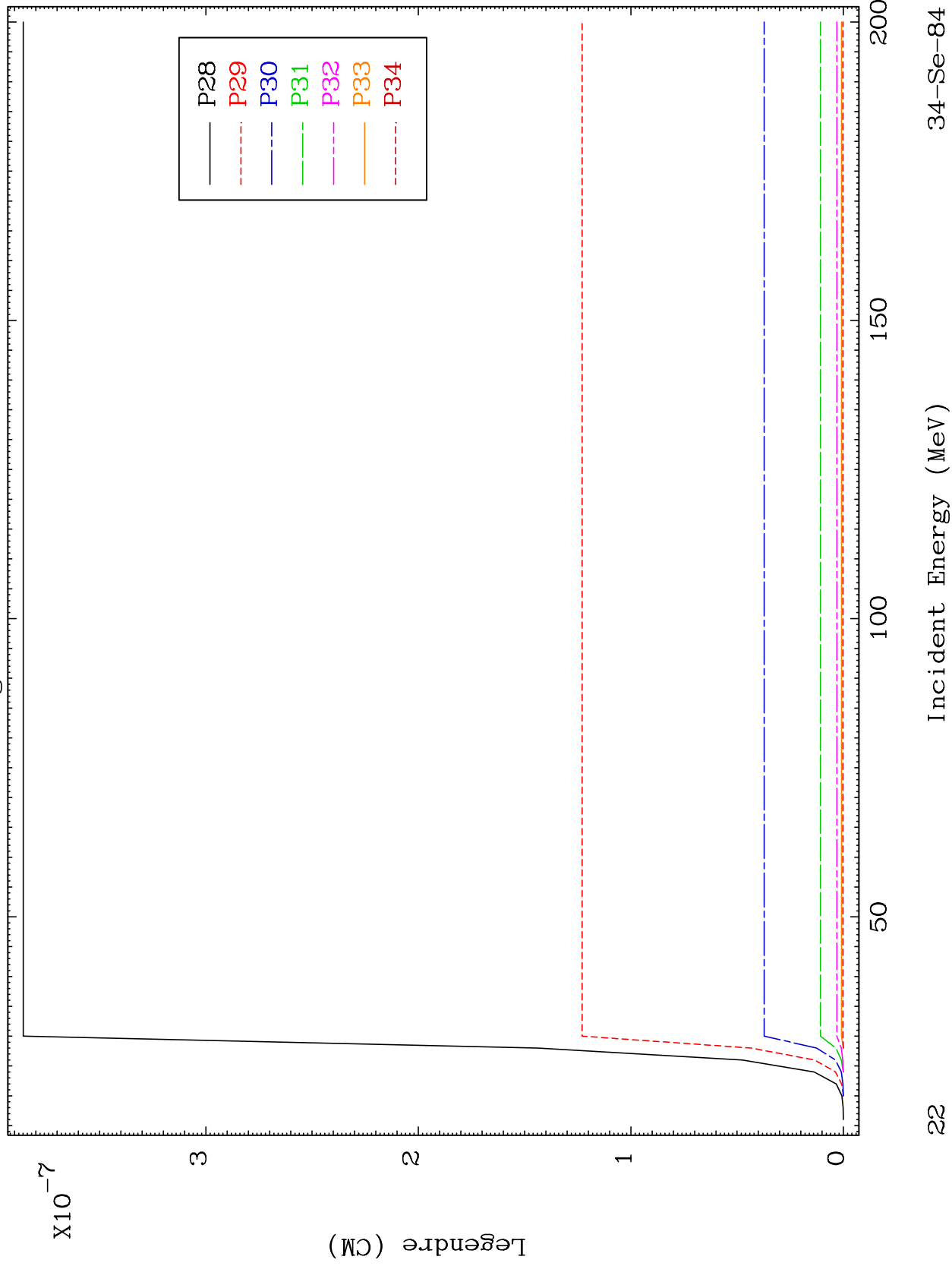
Incident Energy (MeV)

³⁴Se-84

MAT 3455

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

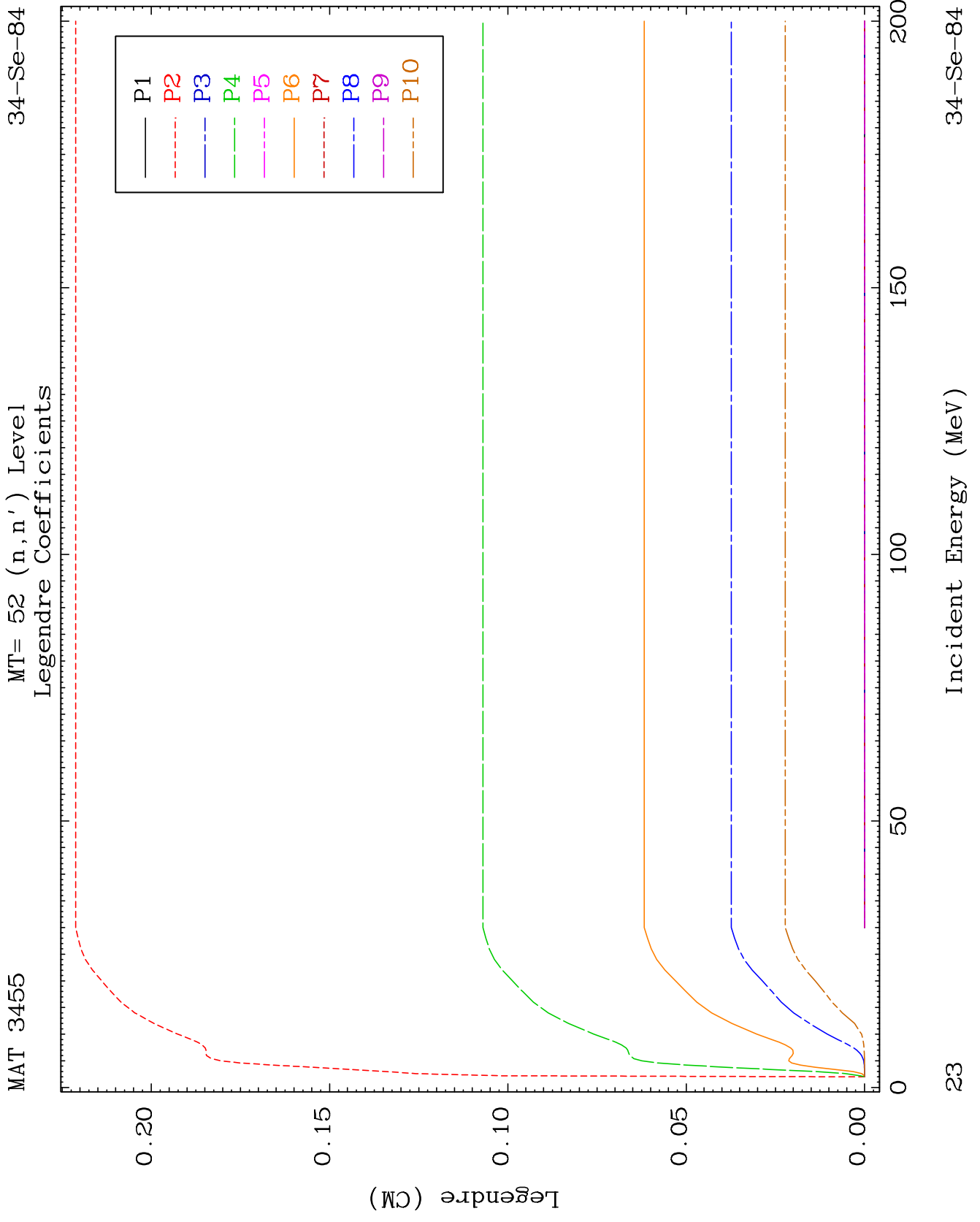
³⁴Se-84

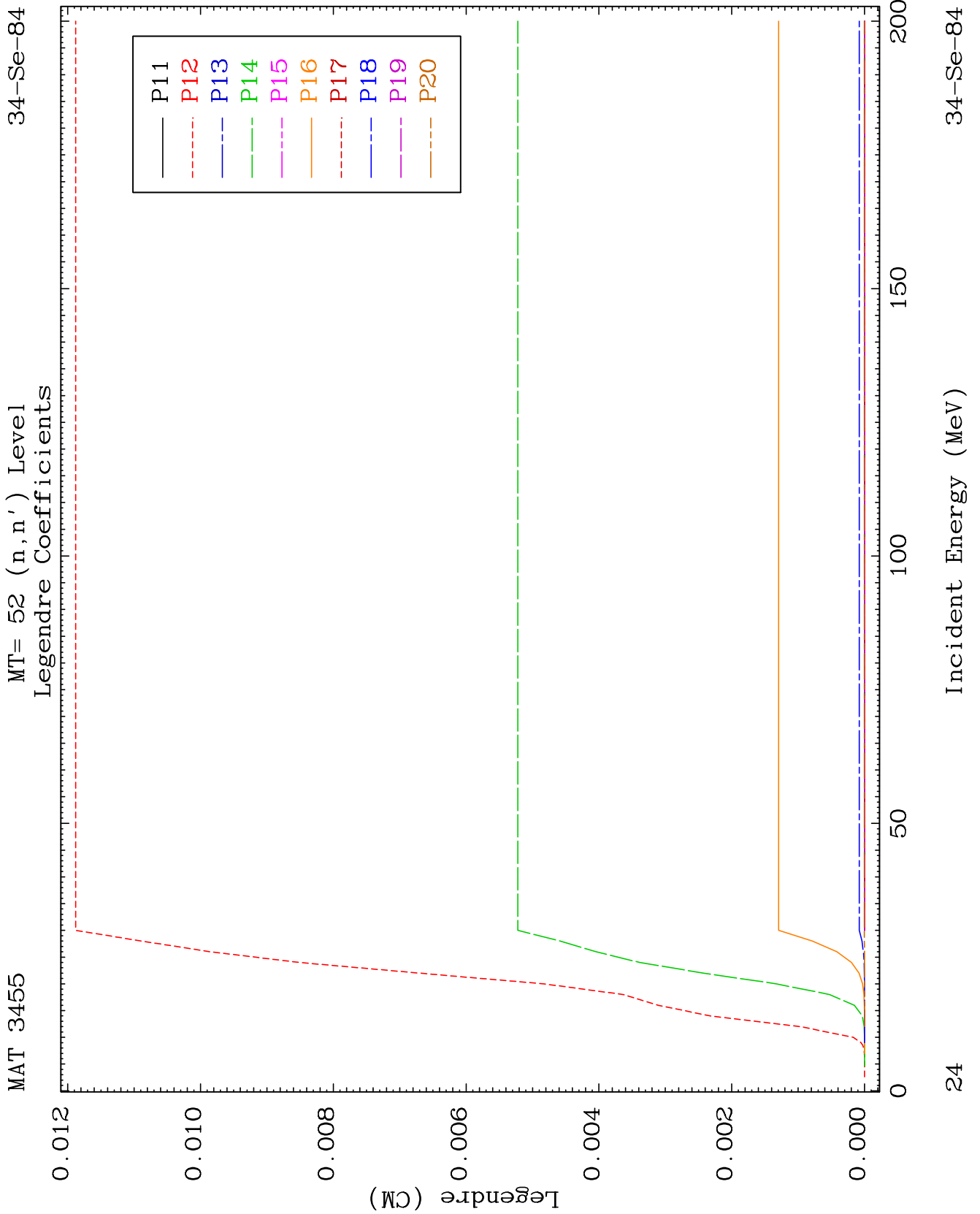


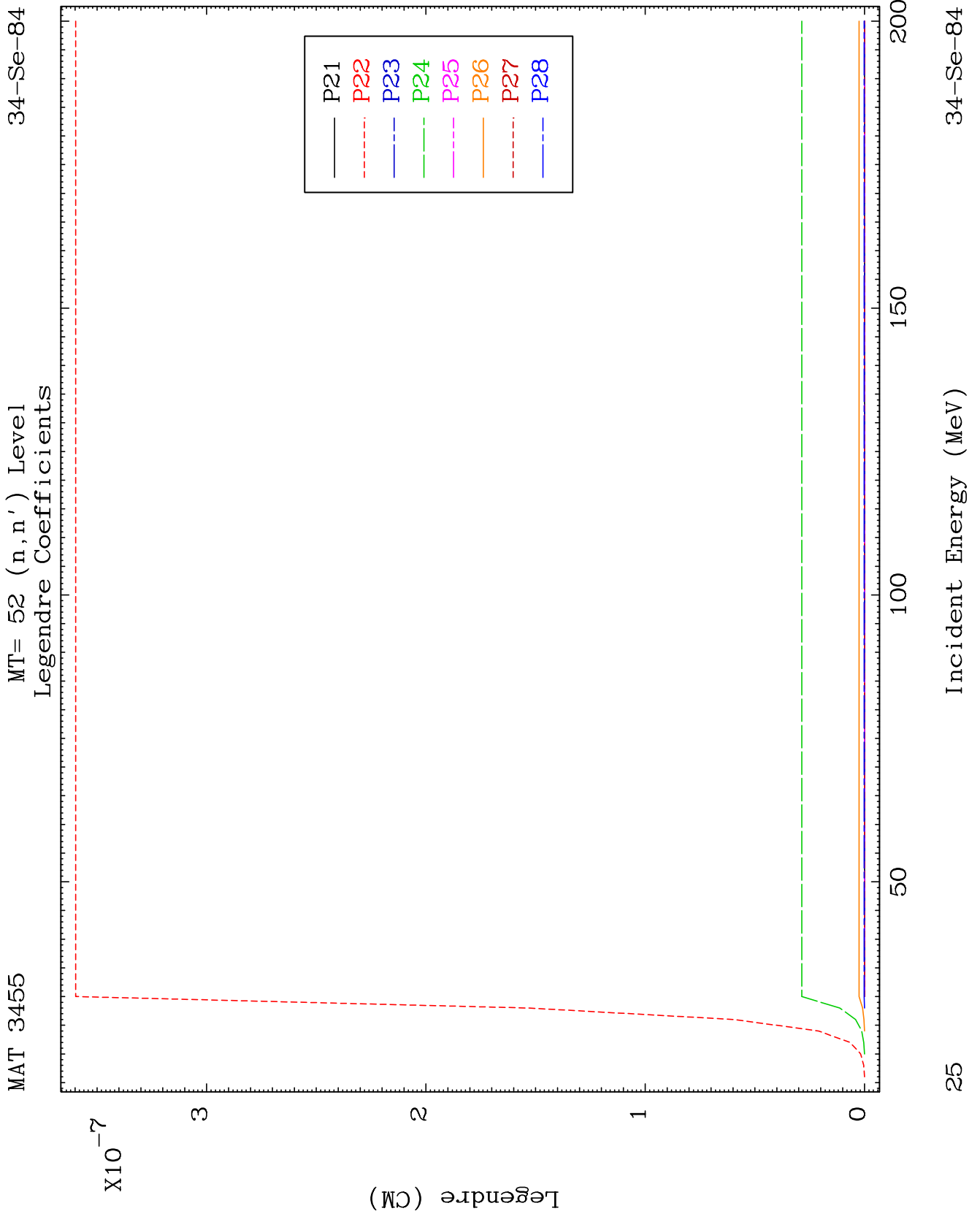
22

Incident Energy (MeV)

³⁴Se-84



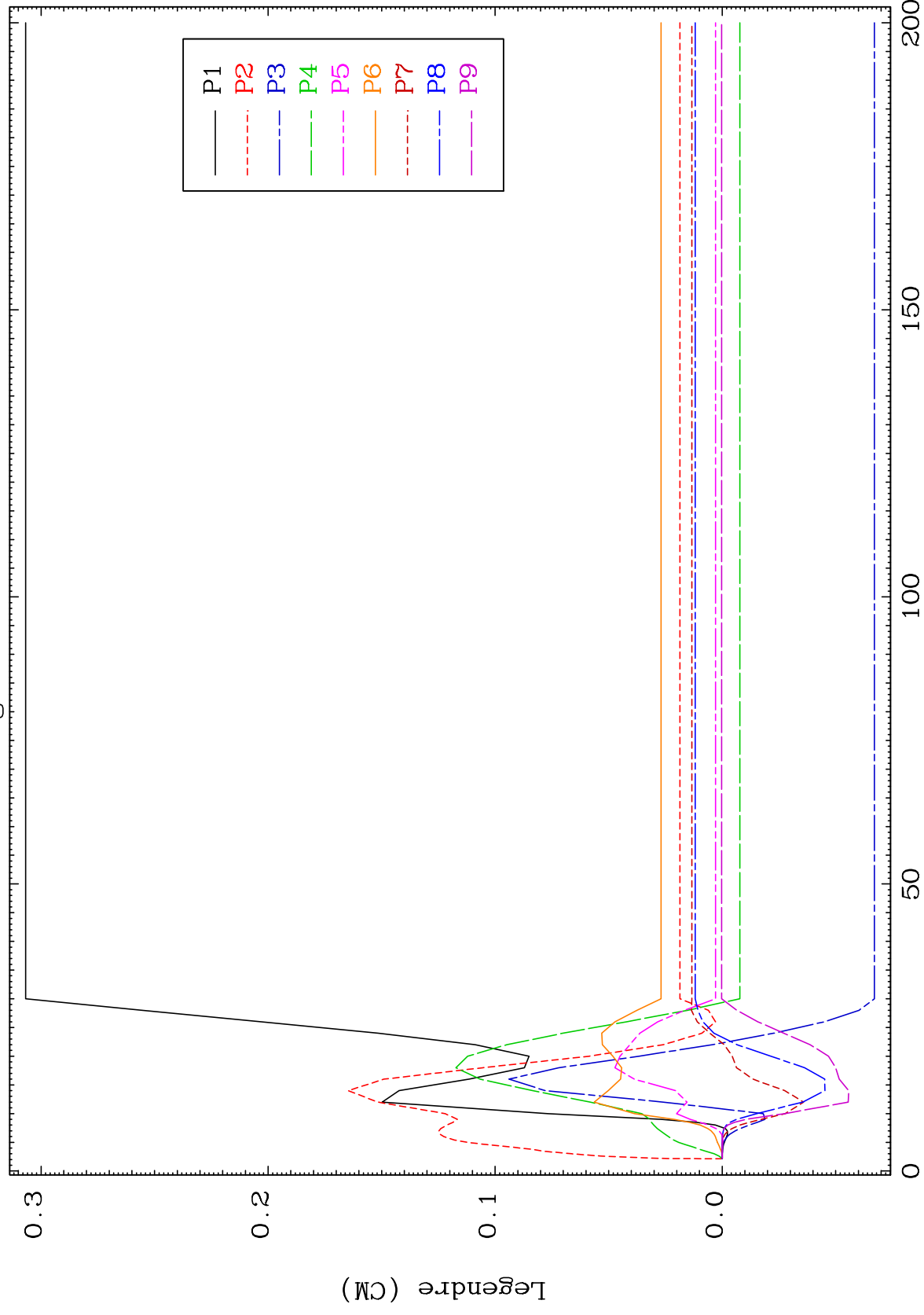




MAT 3455

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

³⁴Se-84



26

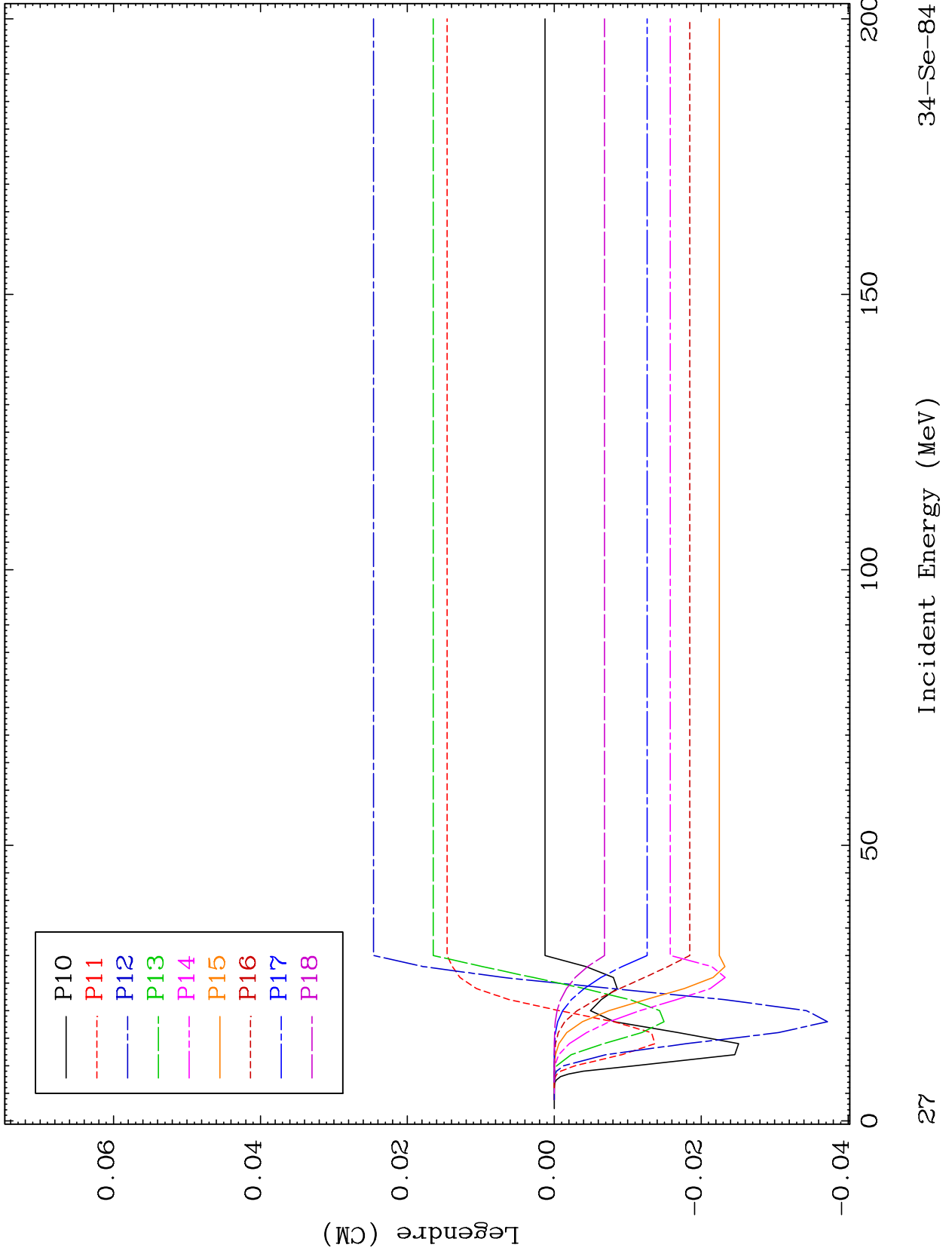
Incident Energy (MeV)

³⁴Se-84

MAT 3455

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

³⁴Se-84



27

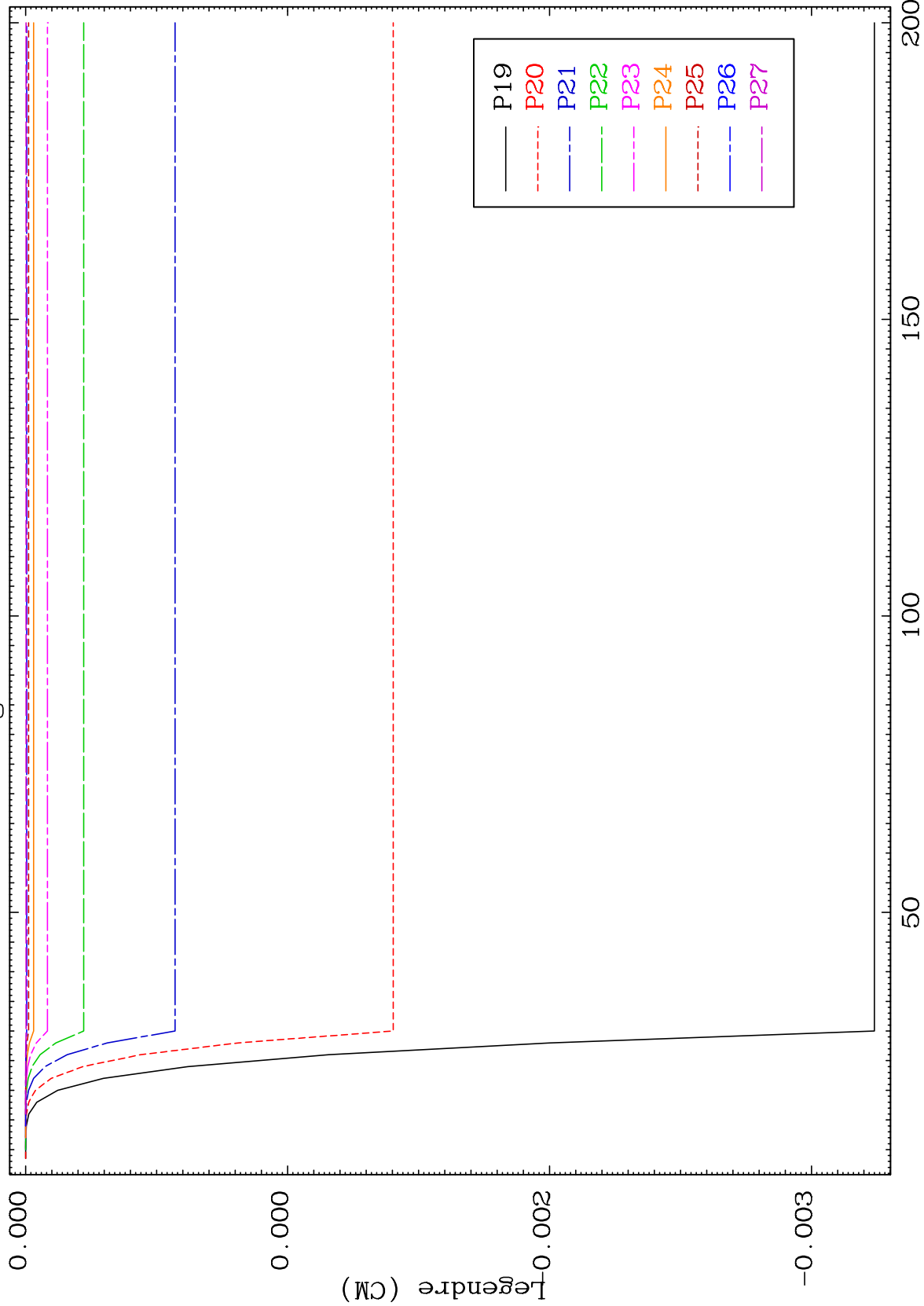
Incident Energy (MeV)

³⁴Se-84

MAT 3455

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

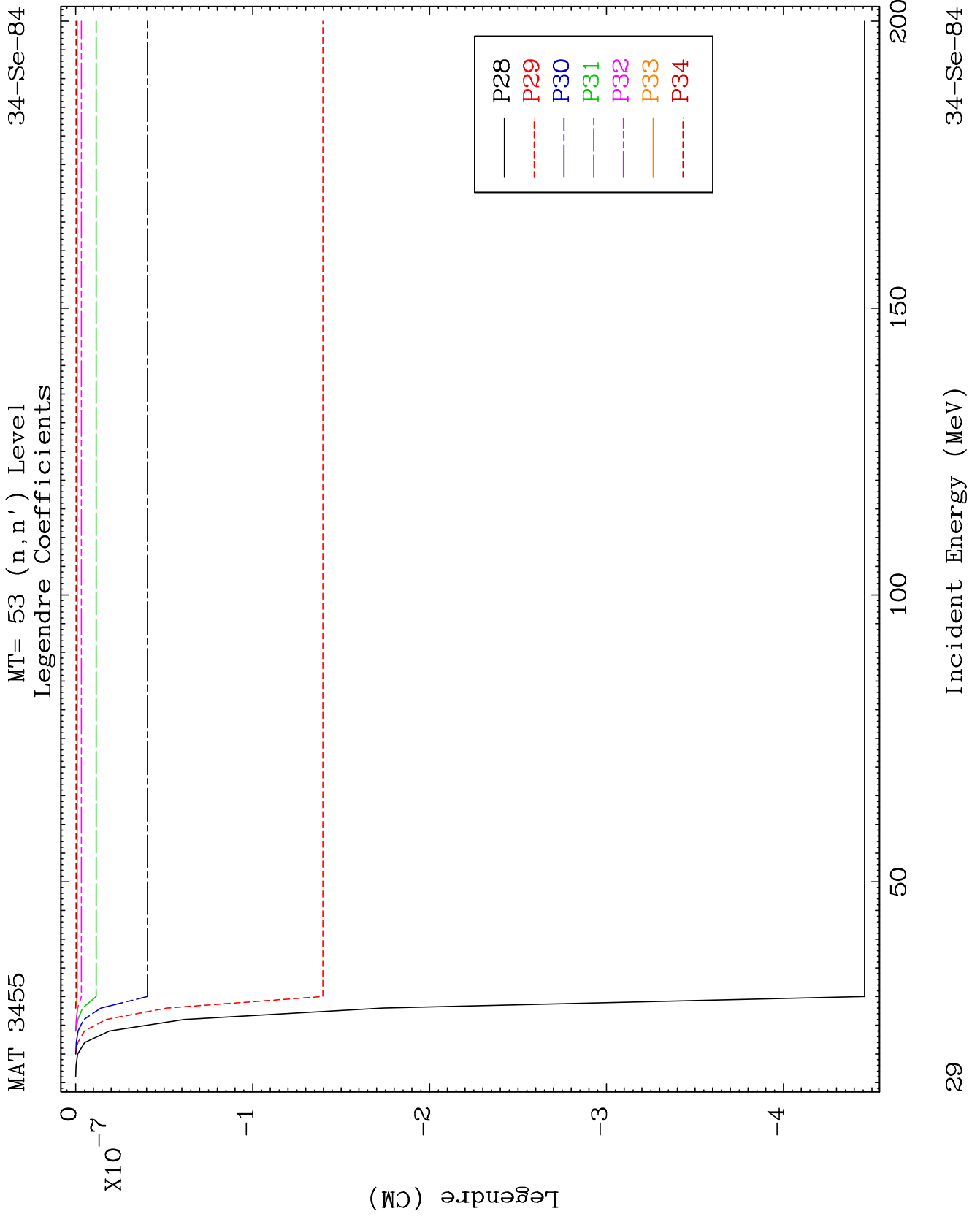
34-Se-84



34-Se-84

Incident Energy (MeV)

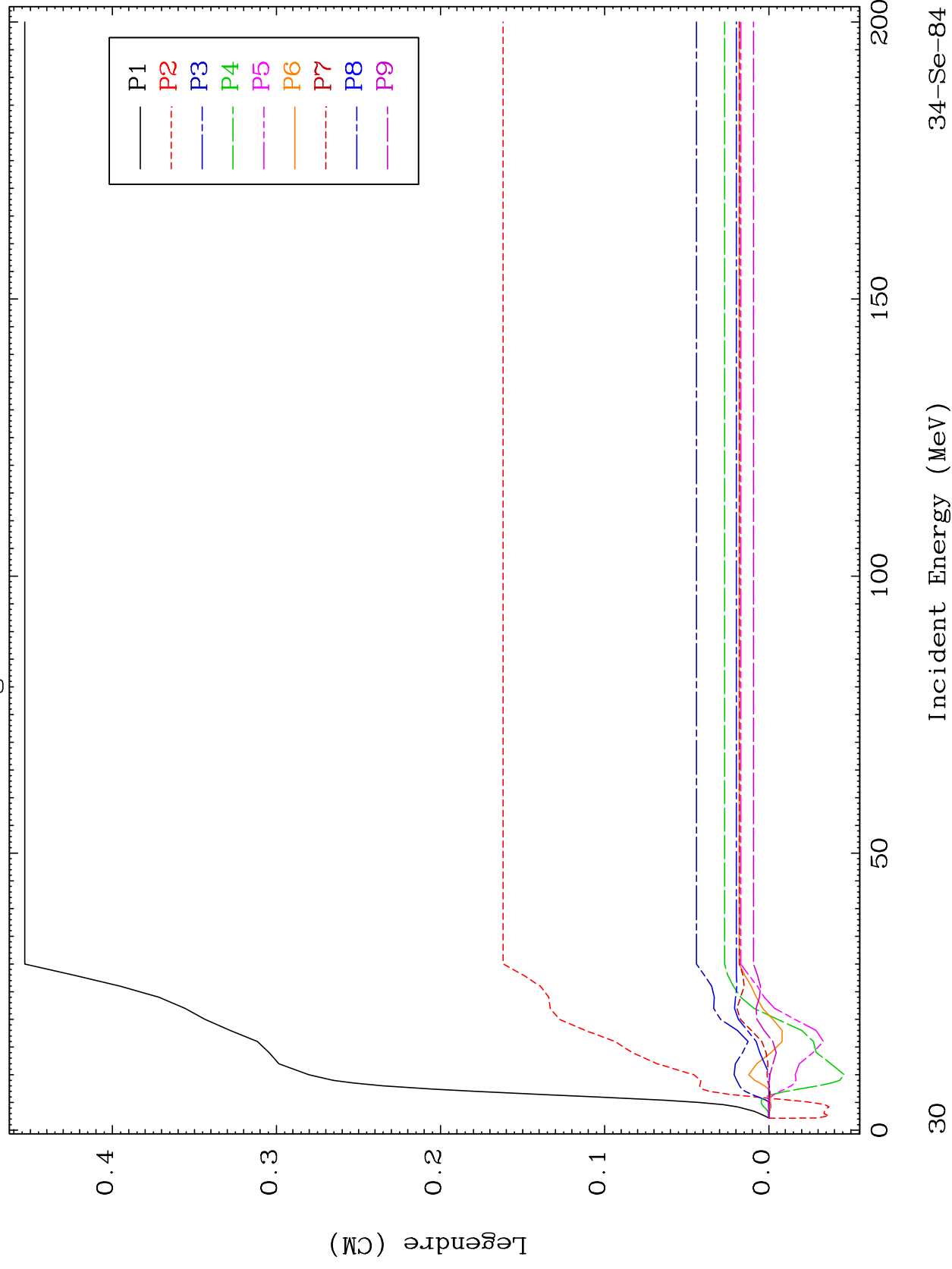
28



MAT 3455

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

³⁴Se-84



³⁴Se-84

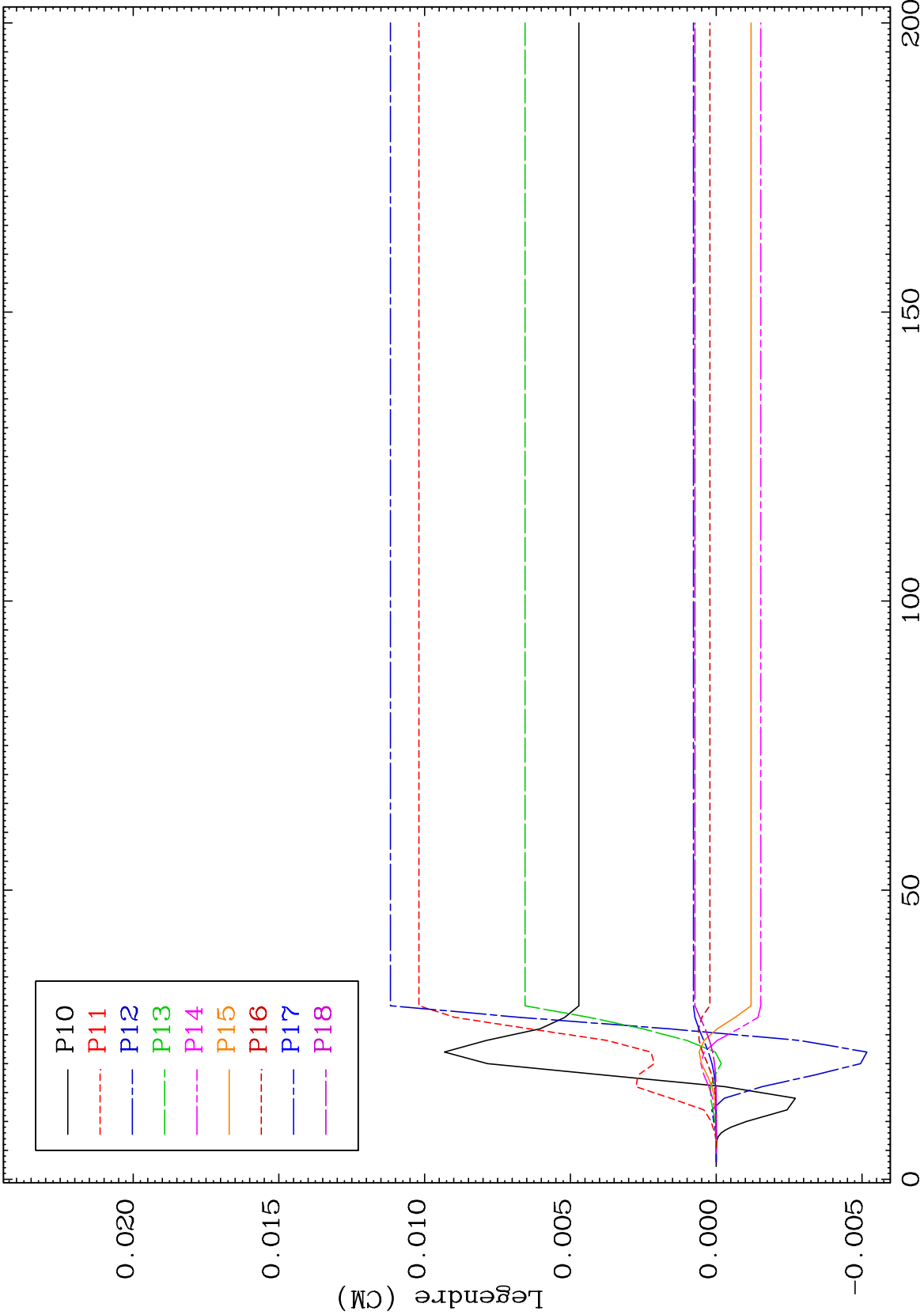
Incident Energy (MeV)

30

MAT 3455

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

34-Se-84



31

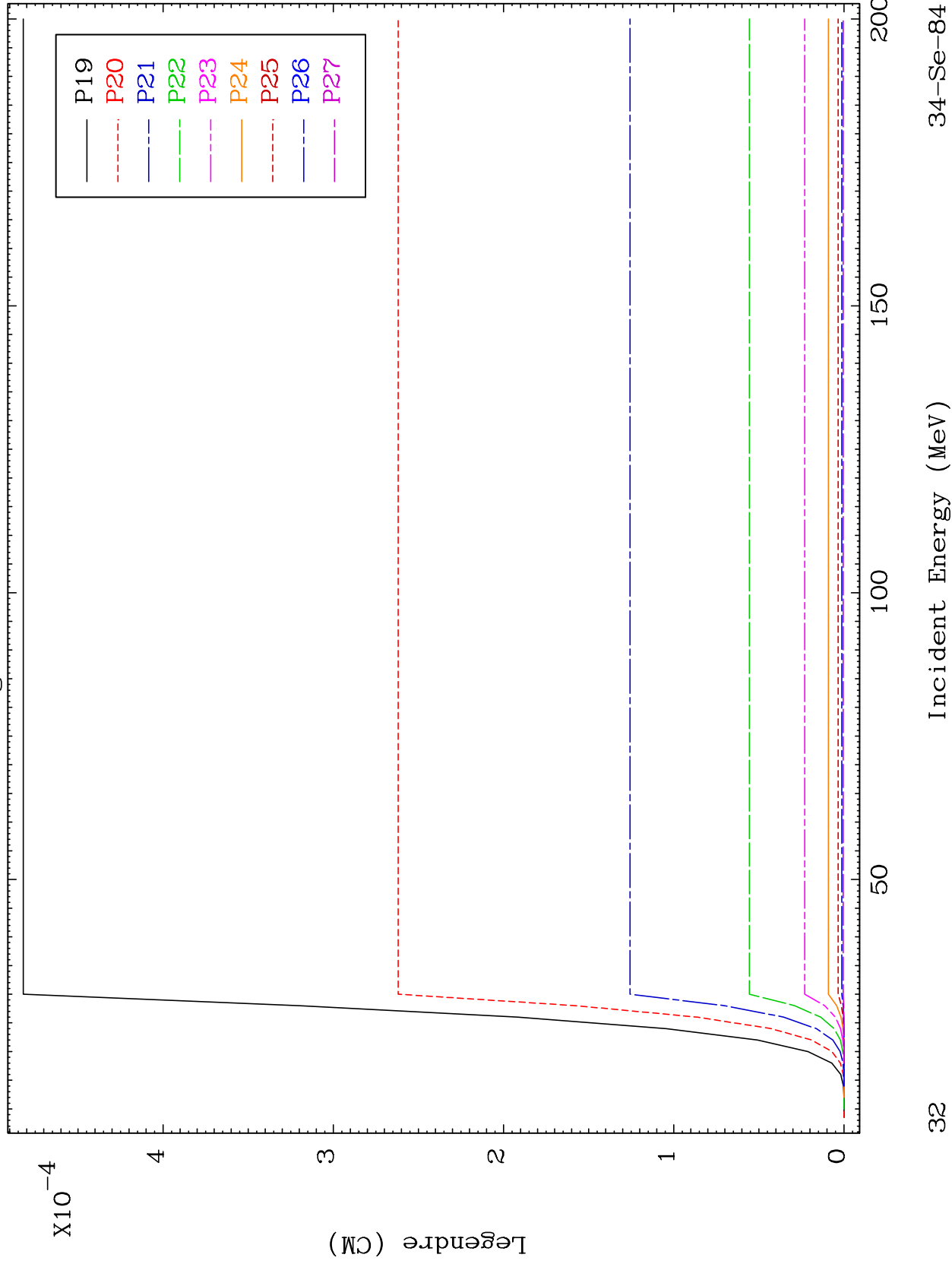
Incident Energy (MeV)

34-Se-84

MAT 3455

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

³⁴Se-84



32

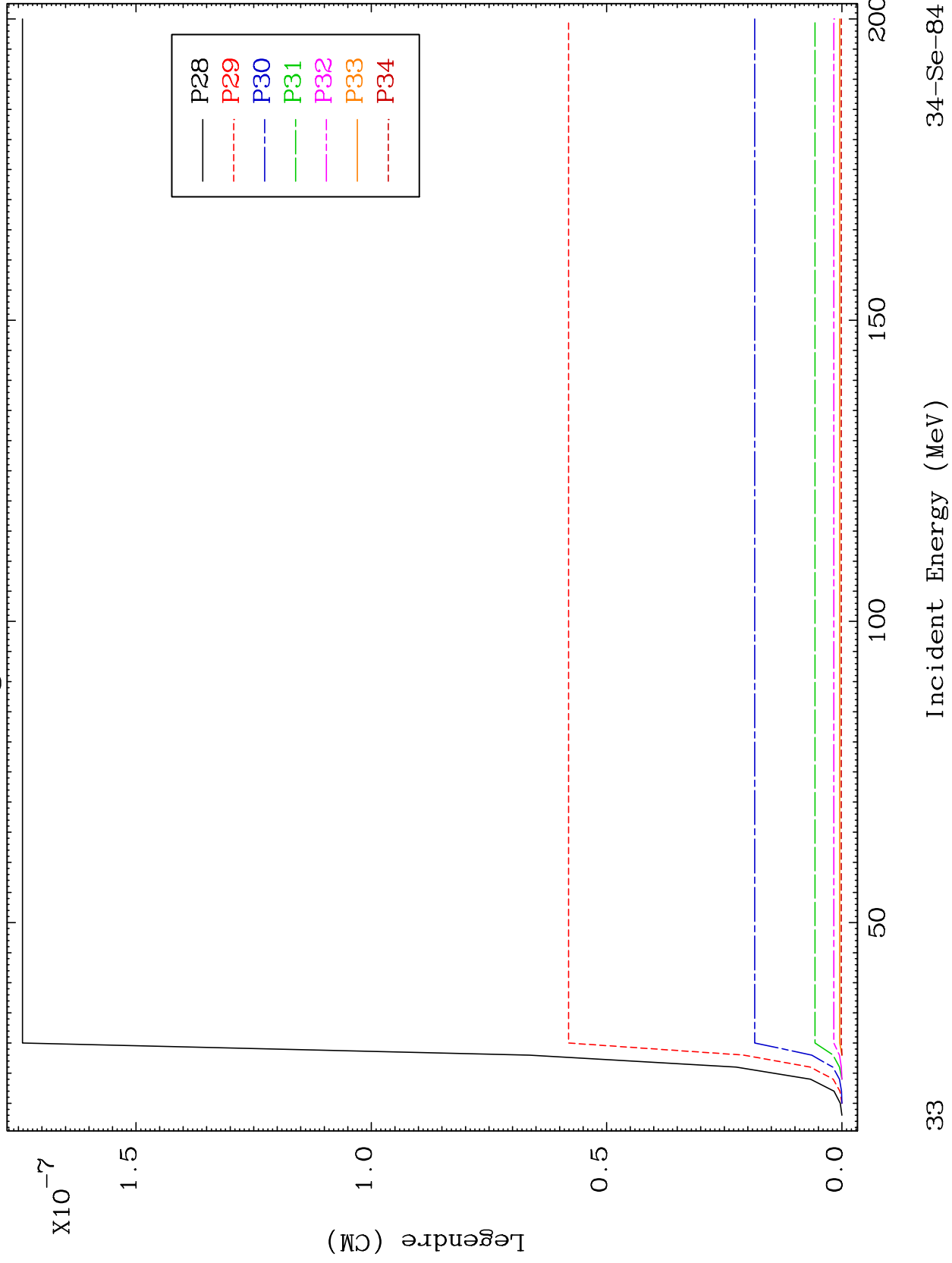
Incident Energy (MeV)

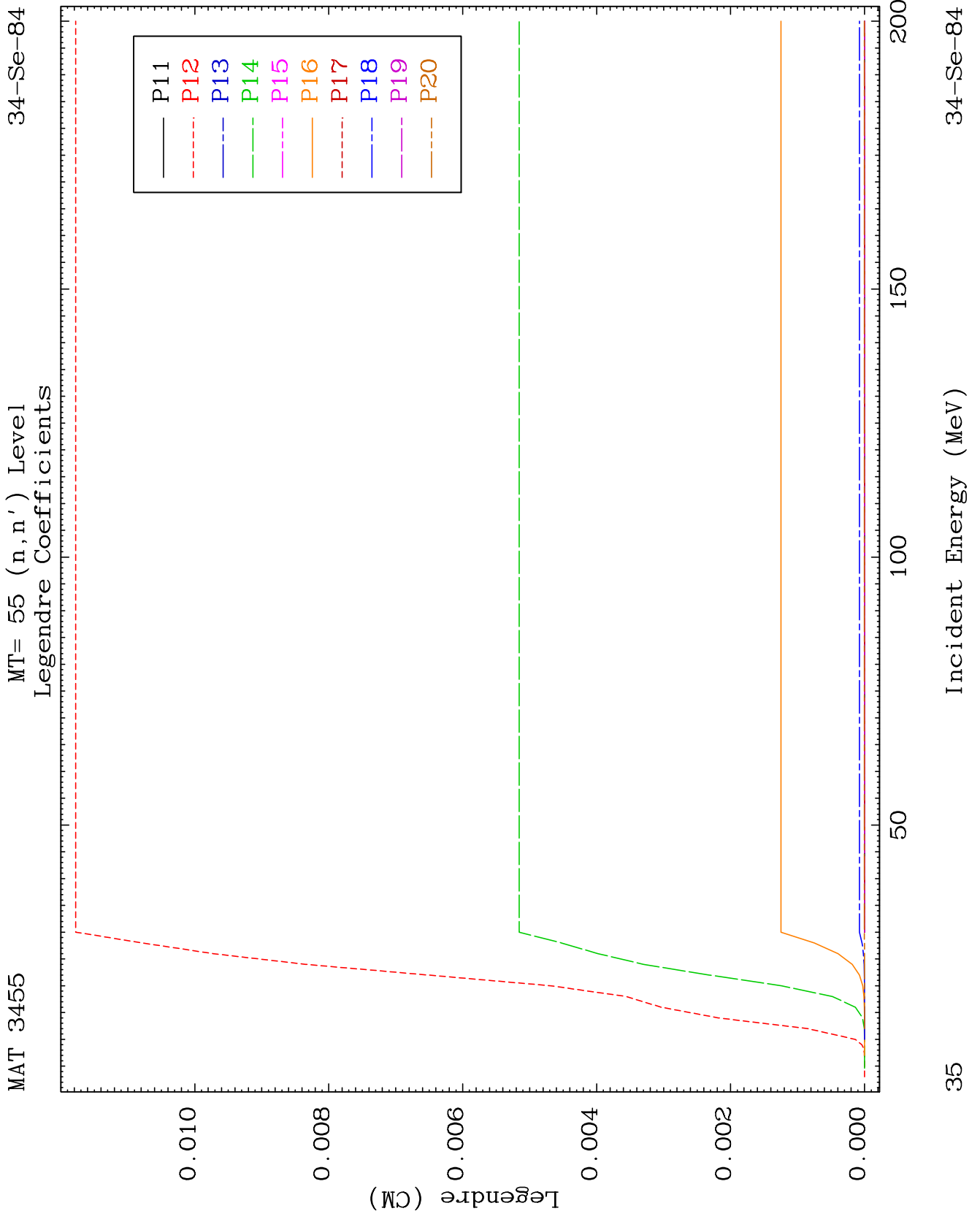
³⁴Se-84

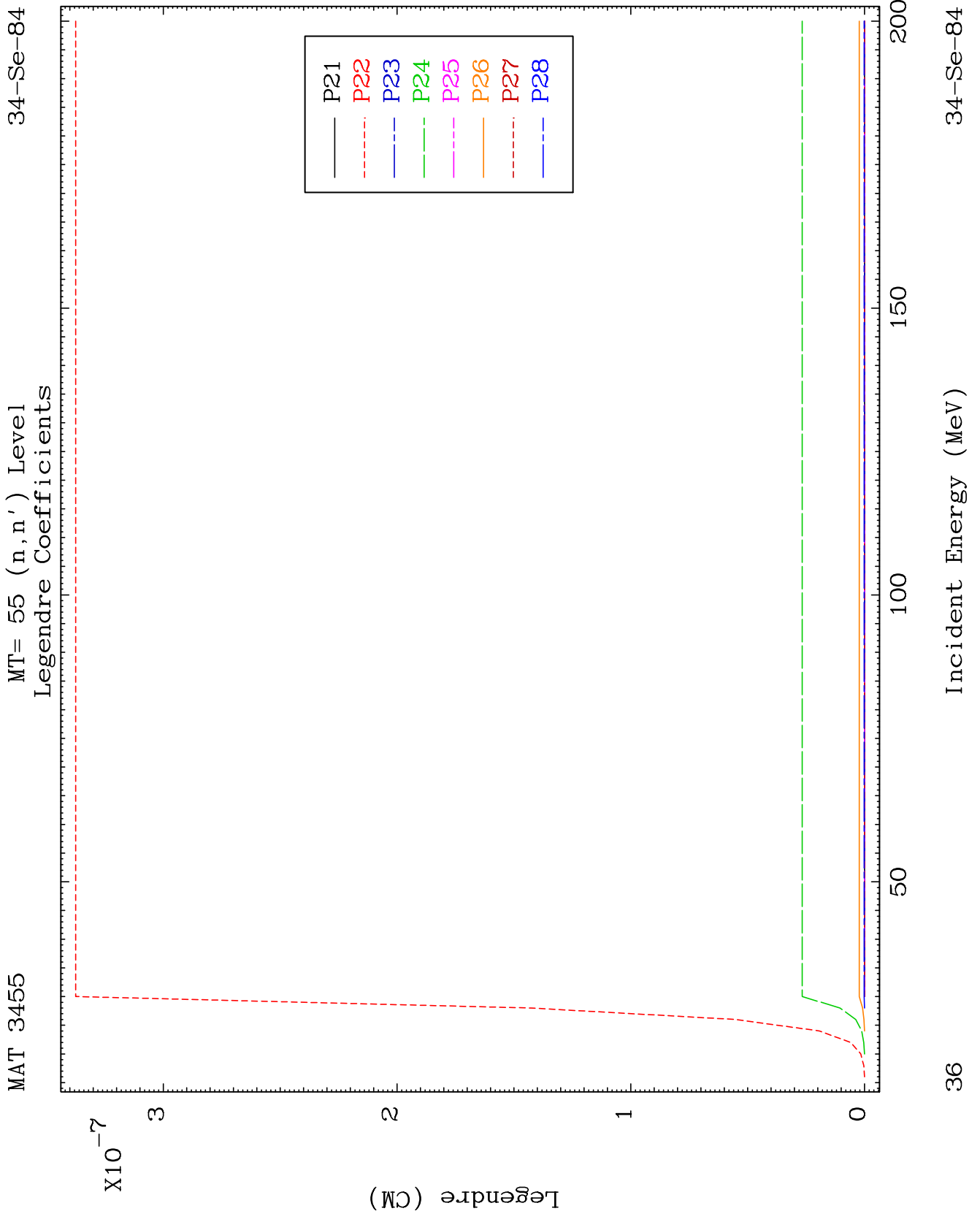
MAT 3455

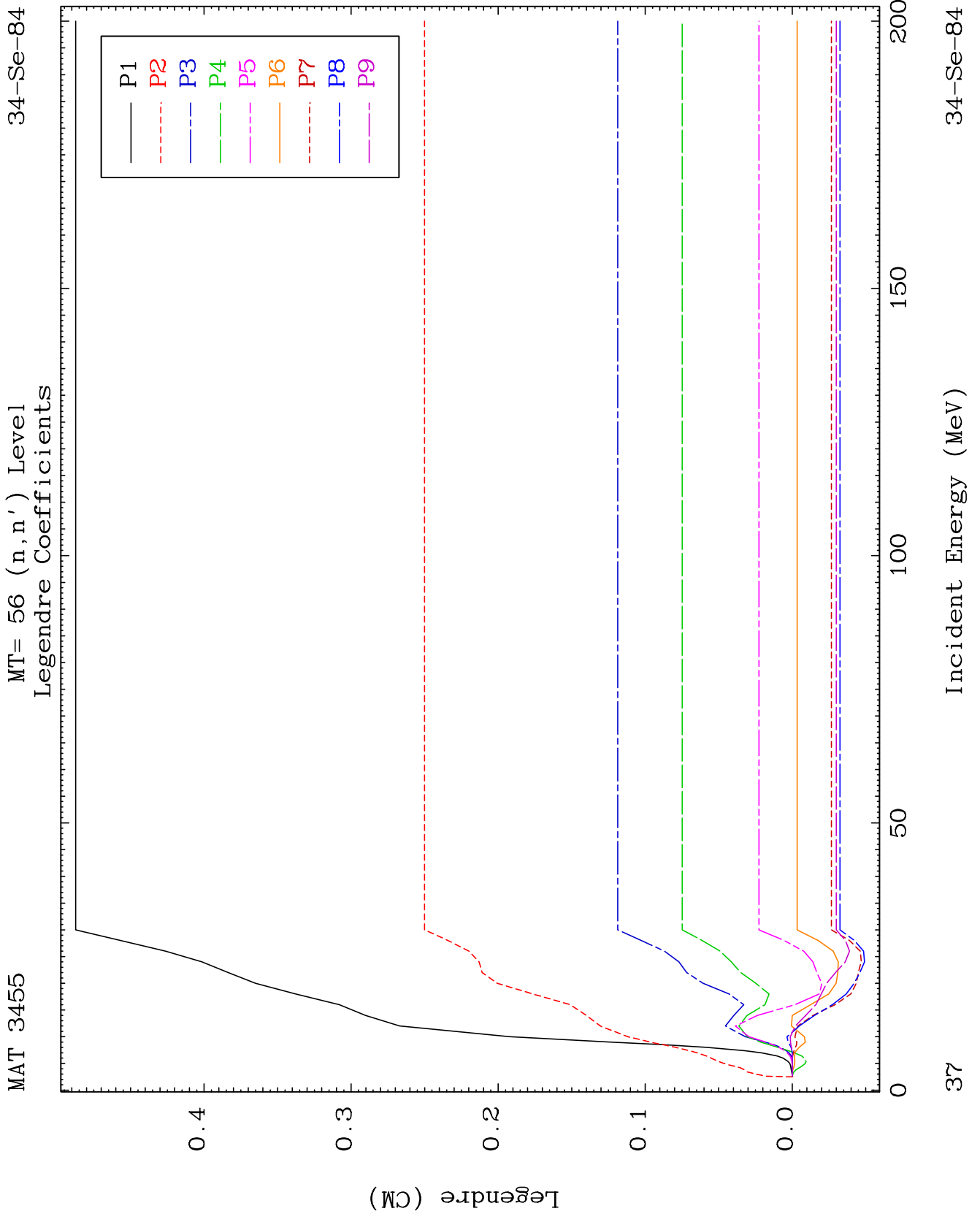
MT= 54 (n,n') Level
Legendre Coefficients

³⁴Se-84





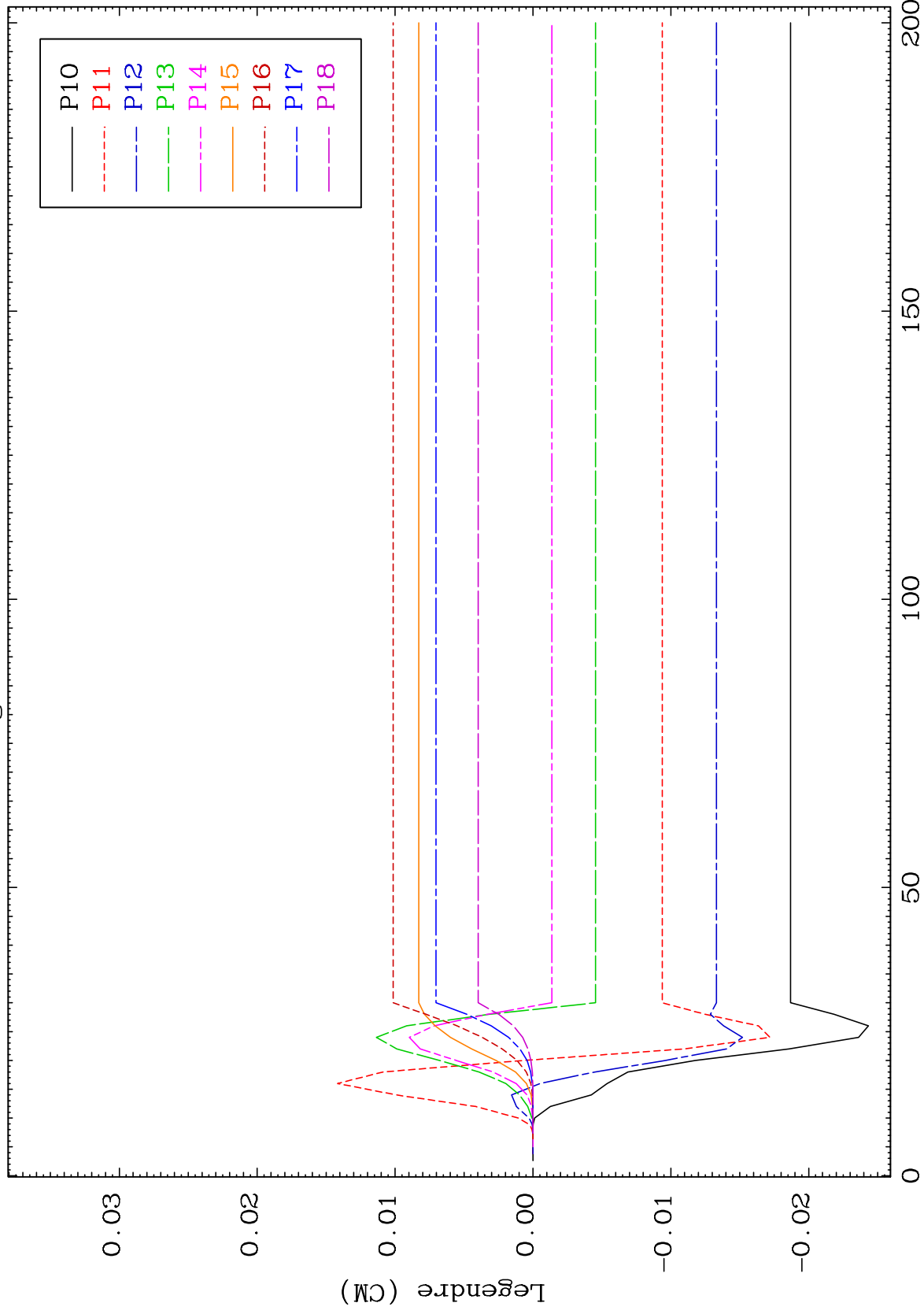




MAT 3455

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

³⁴Se-84



38

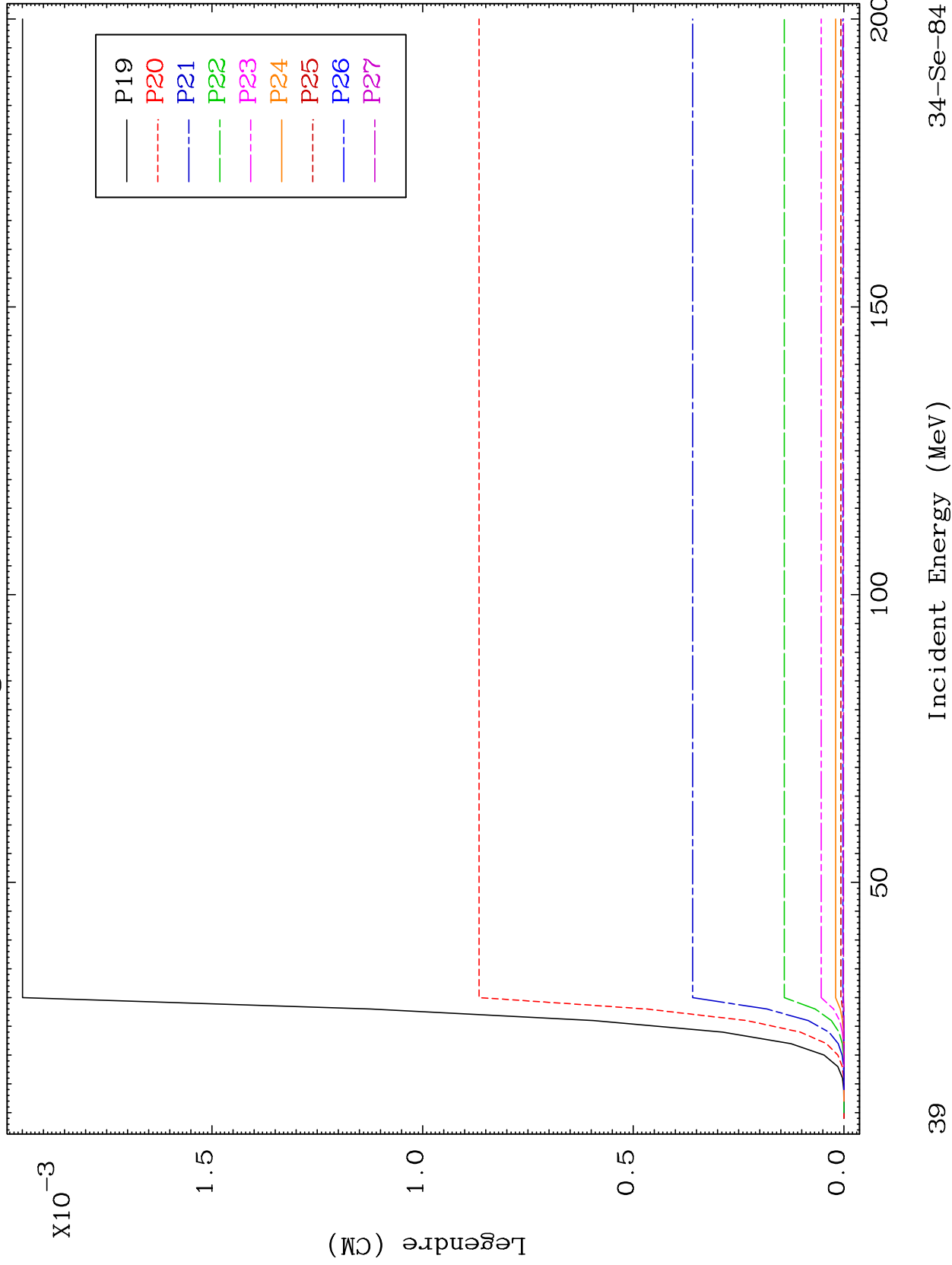
Incident Energy (MeV)

³⁴Se-84

MAT 3455

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

34-Se-84



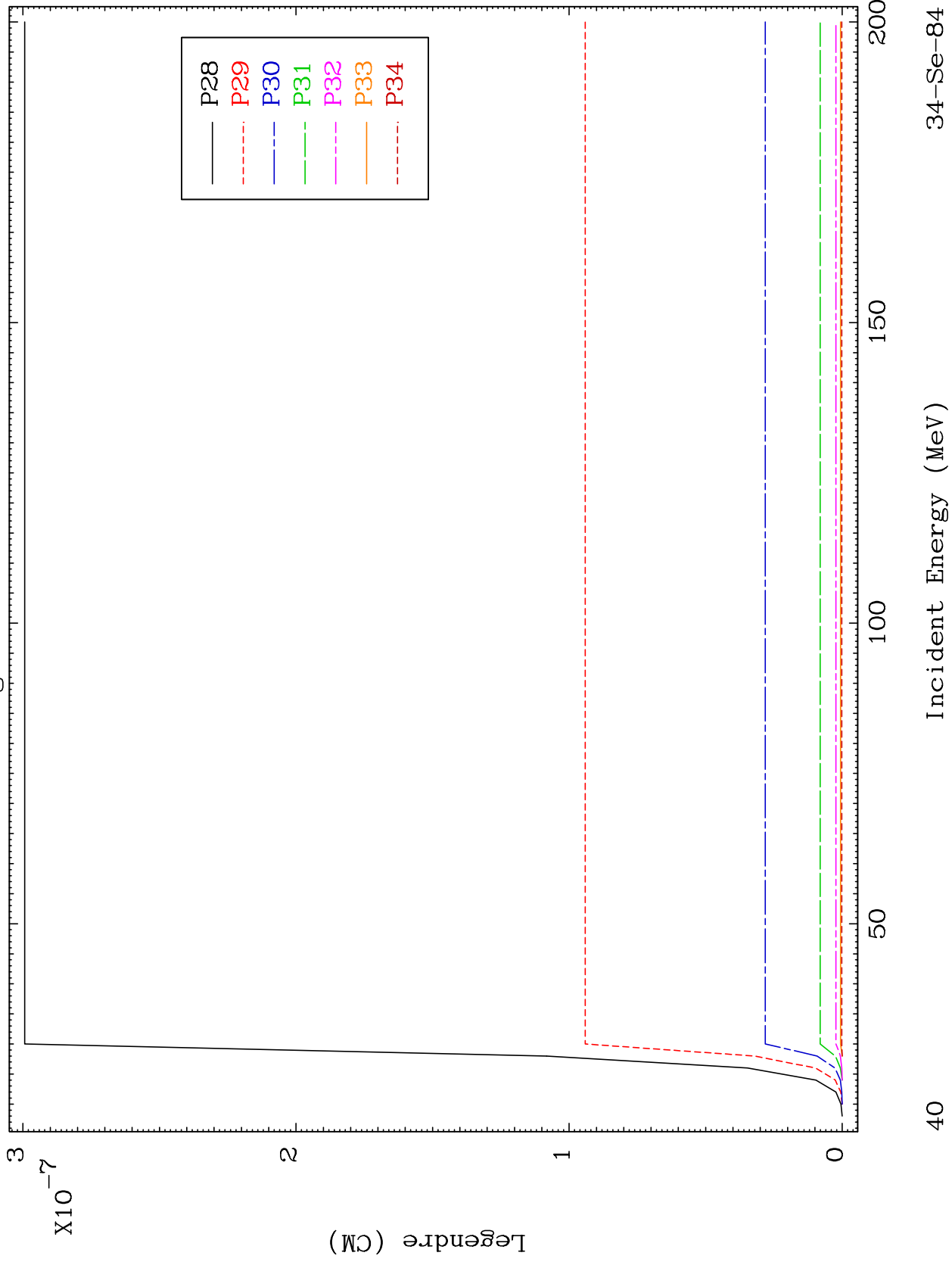
39

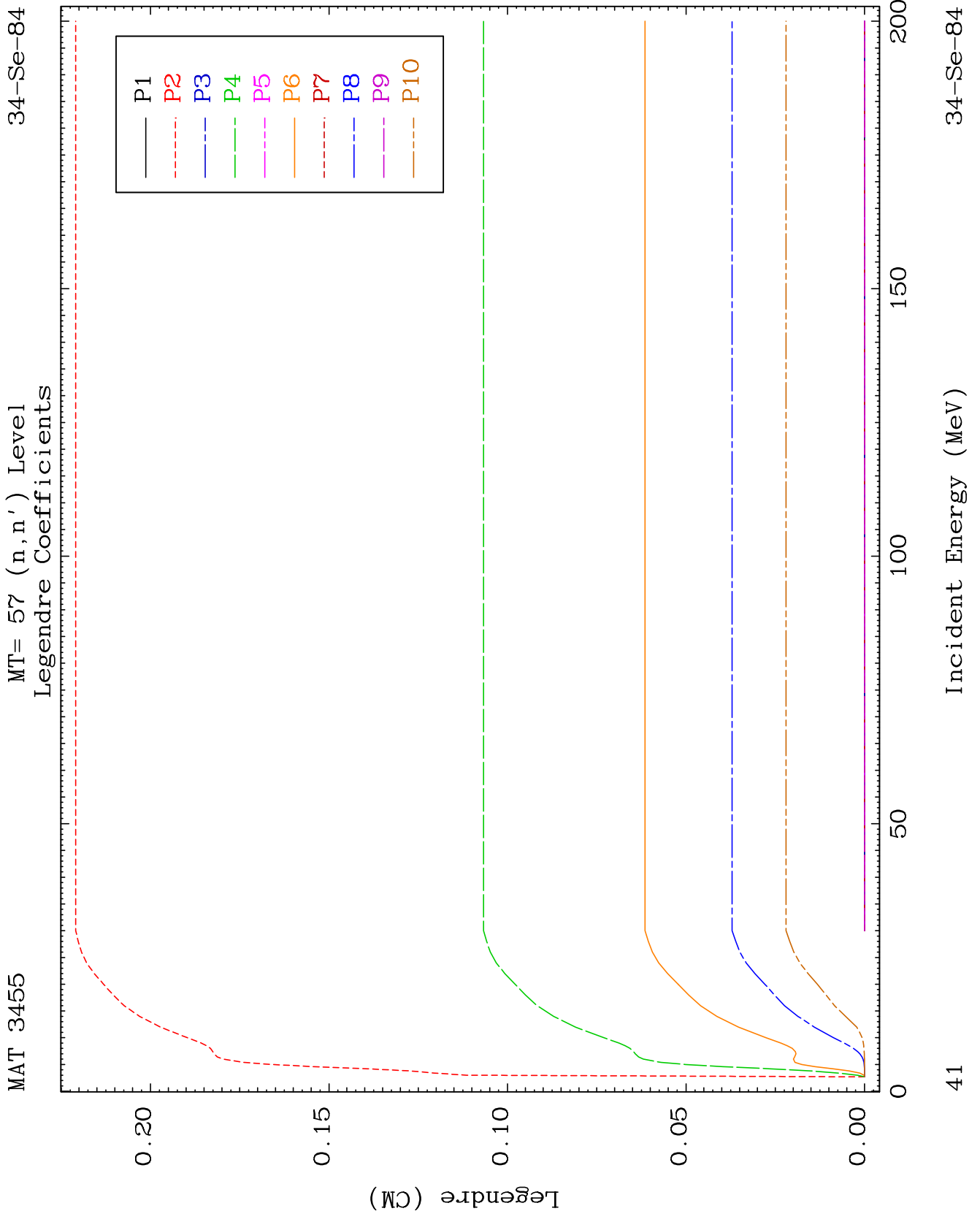
34-Se-84

MAT 3455

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

³⁴Se-84

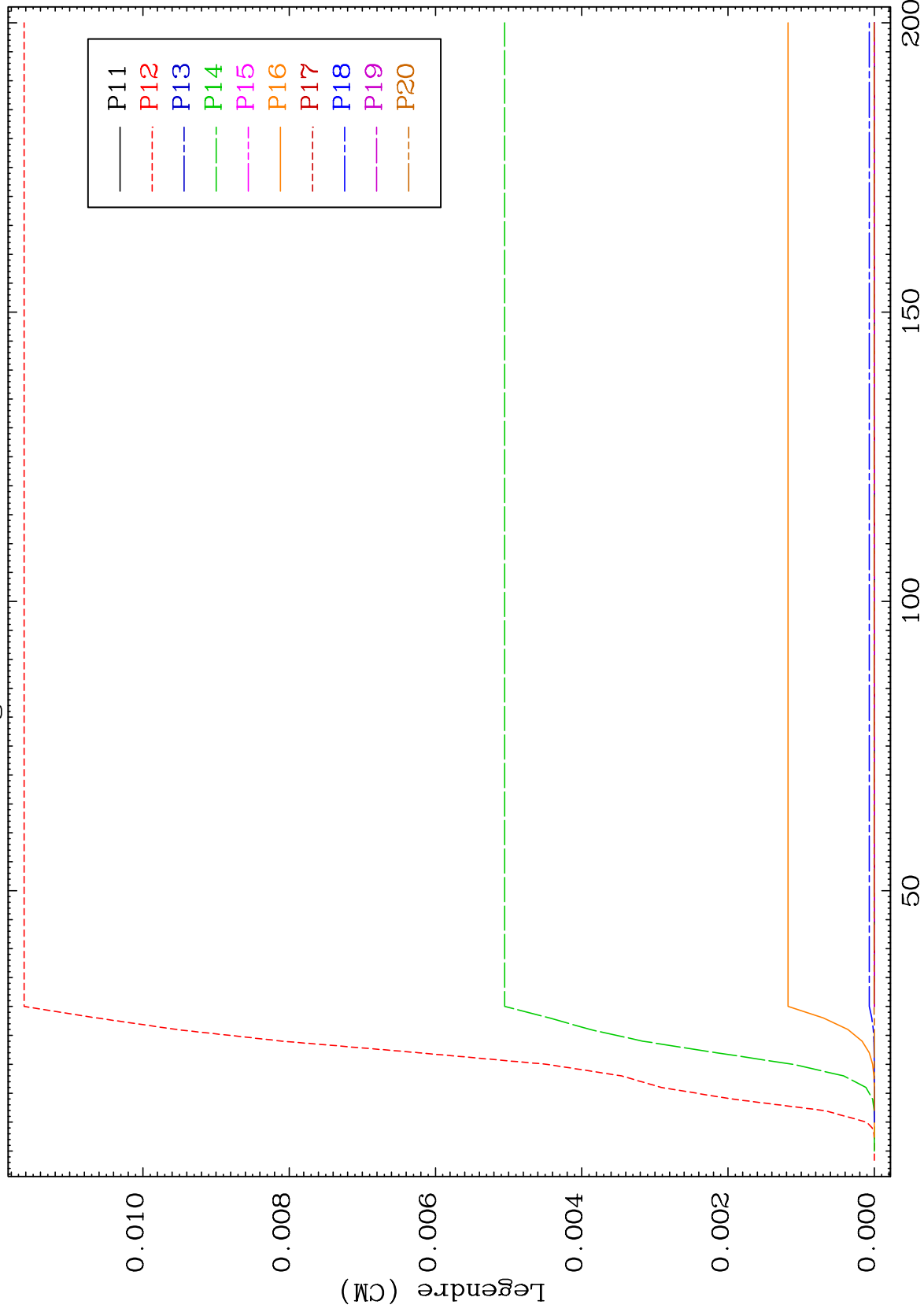




MAT 3455

34-Se-84

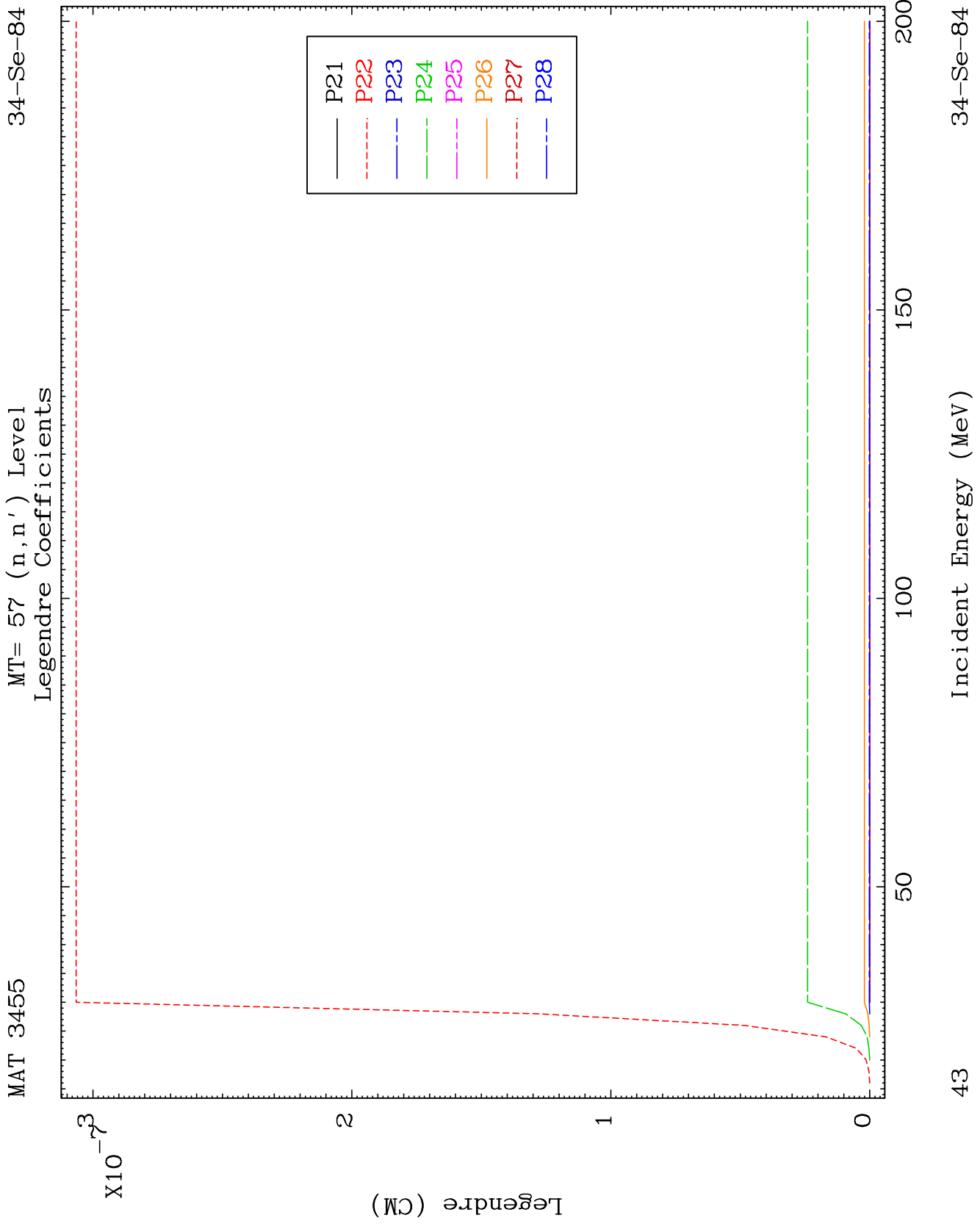
MT= 57 (n,n') Level
Legendre Coefficients



42

Incident Energy (MeV)

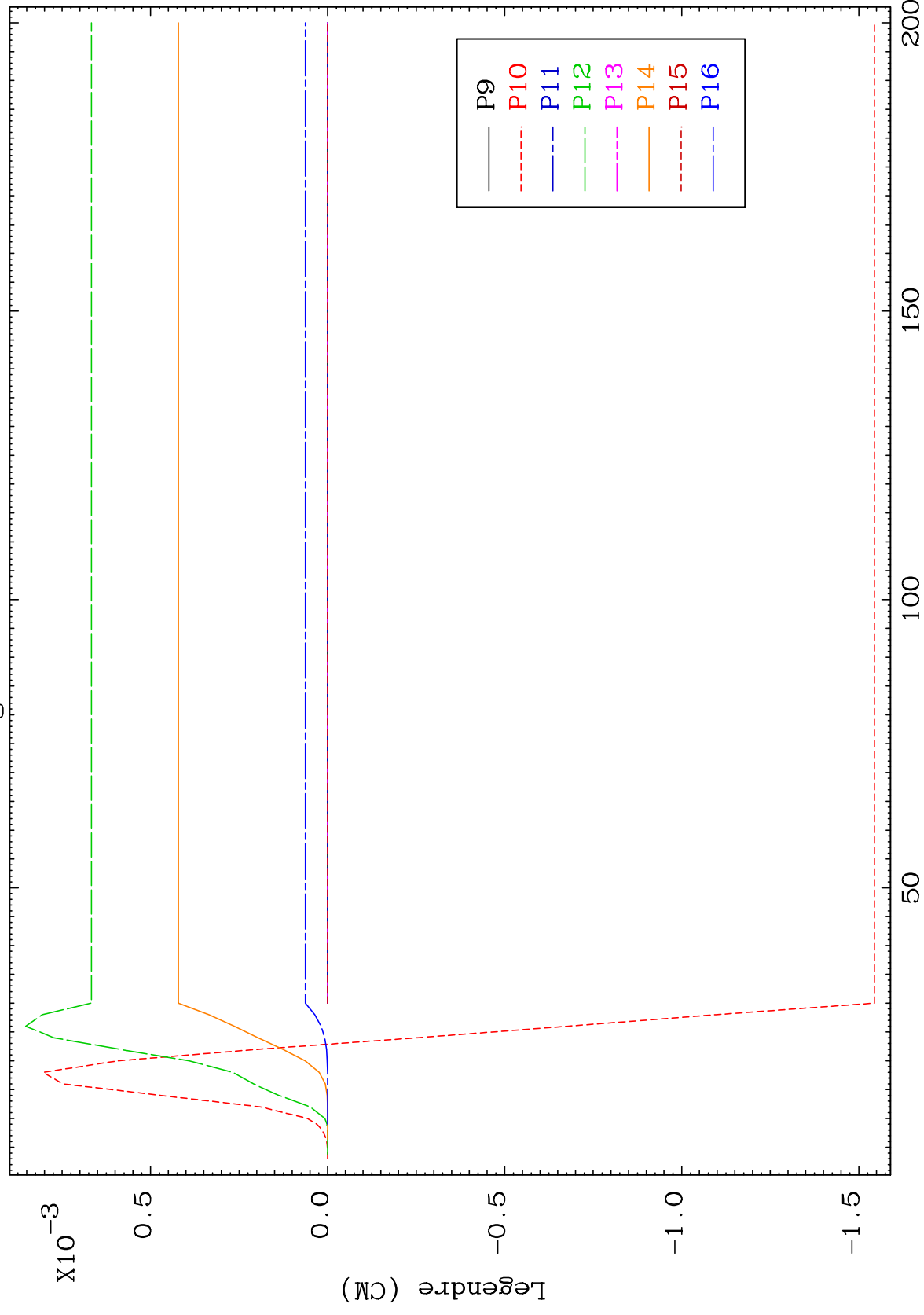
34-Se-84



MAT 3455

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

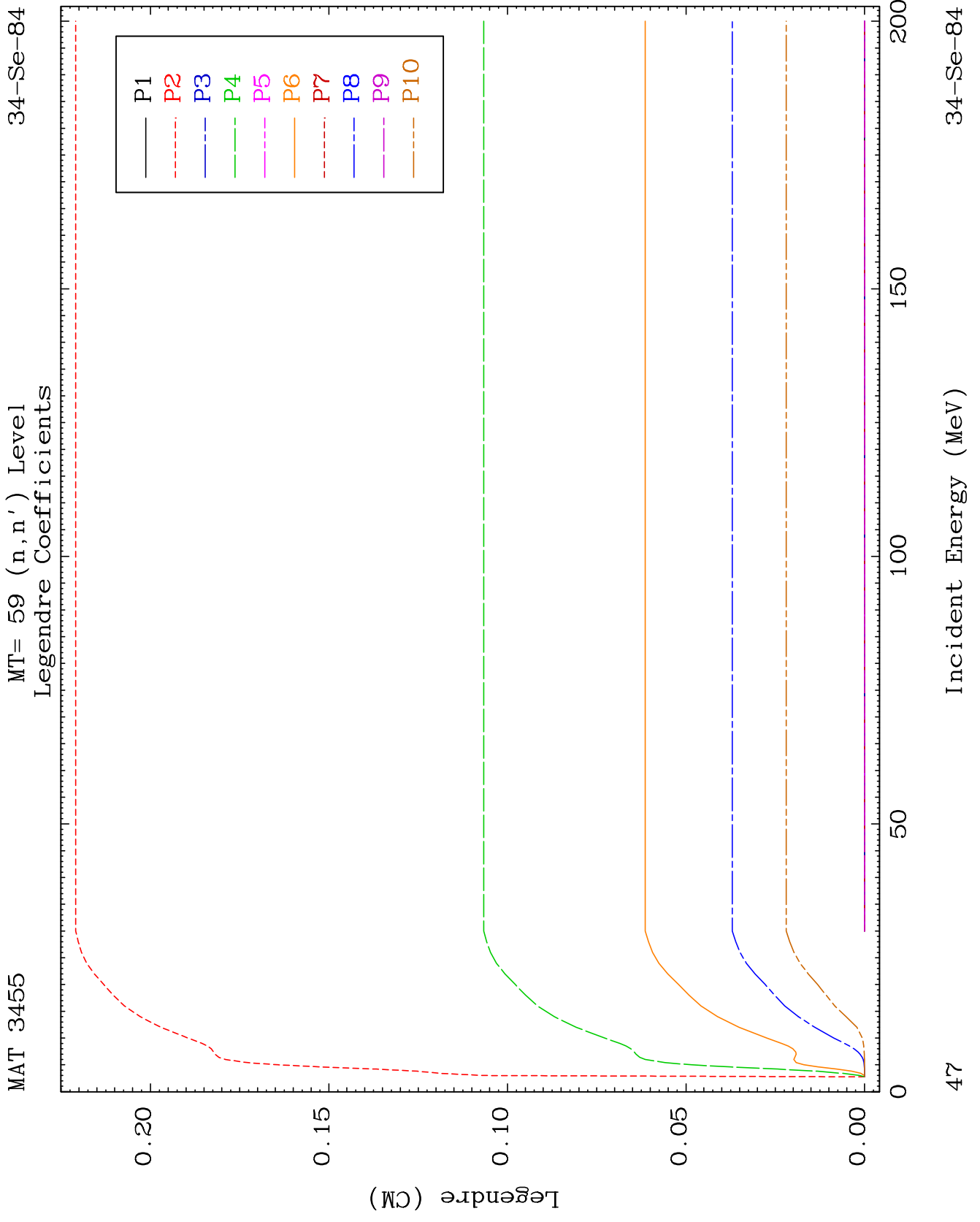
³⁴Se-84

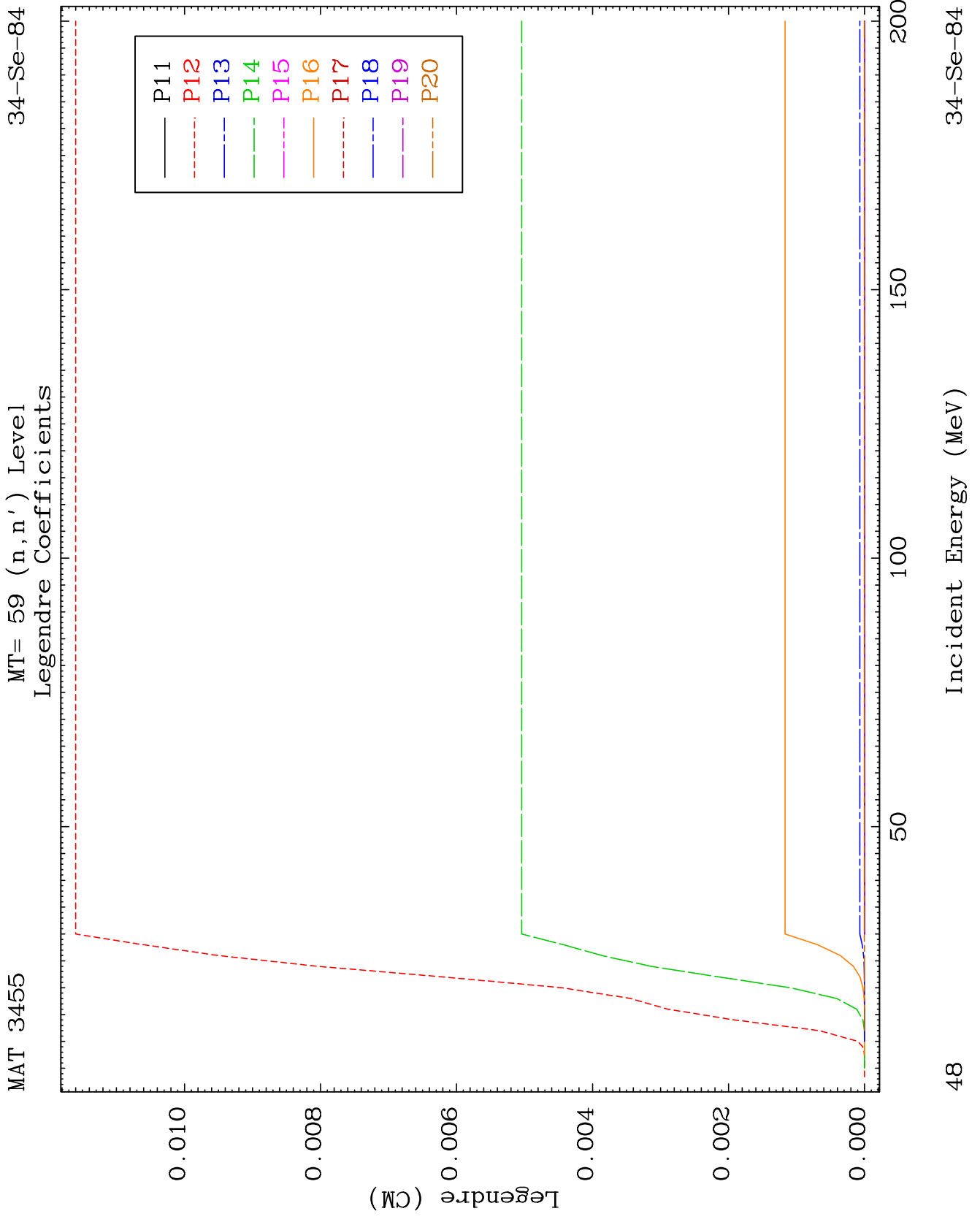


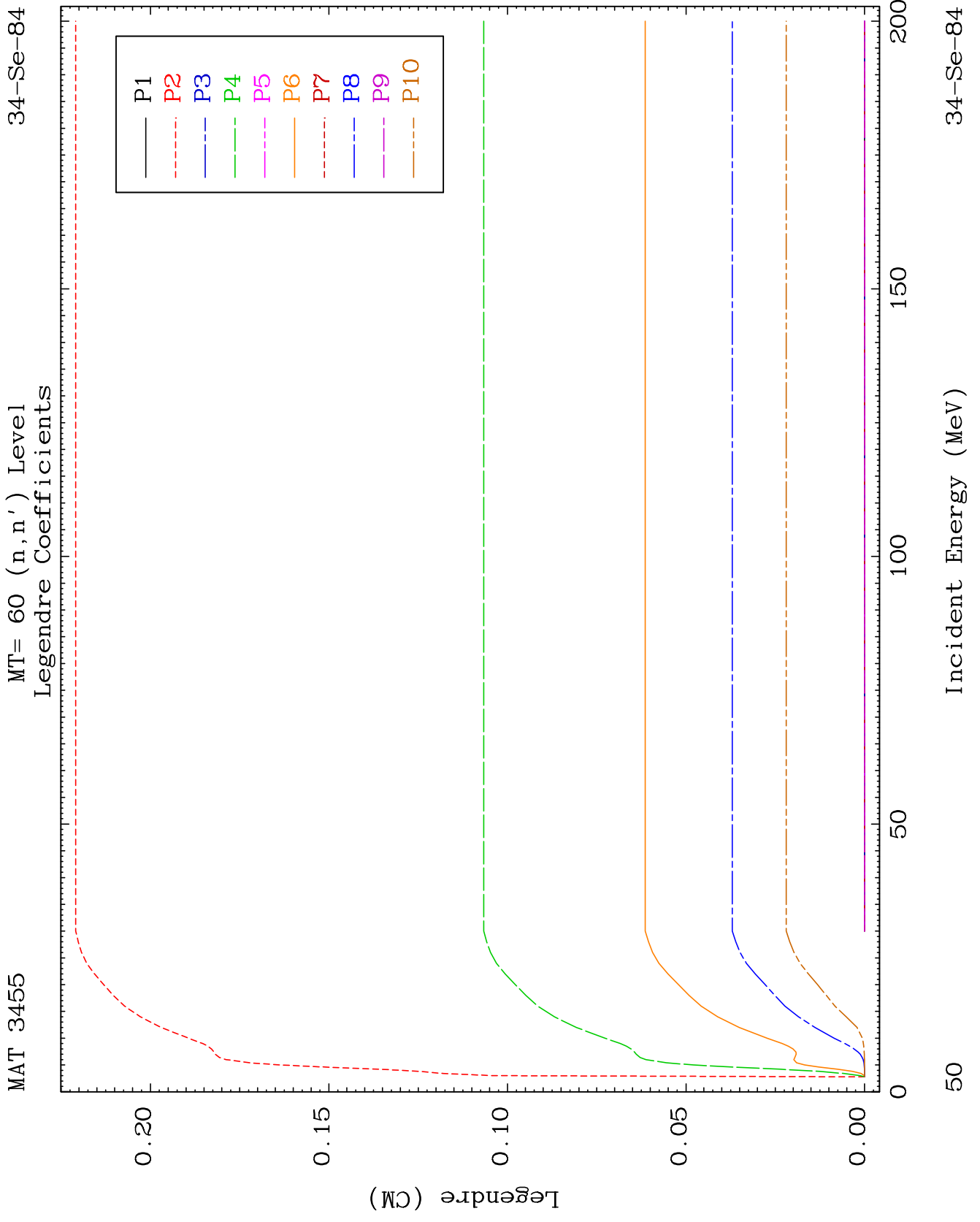
45

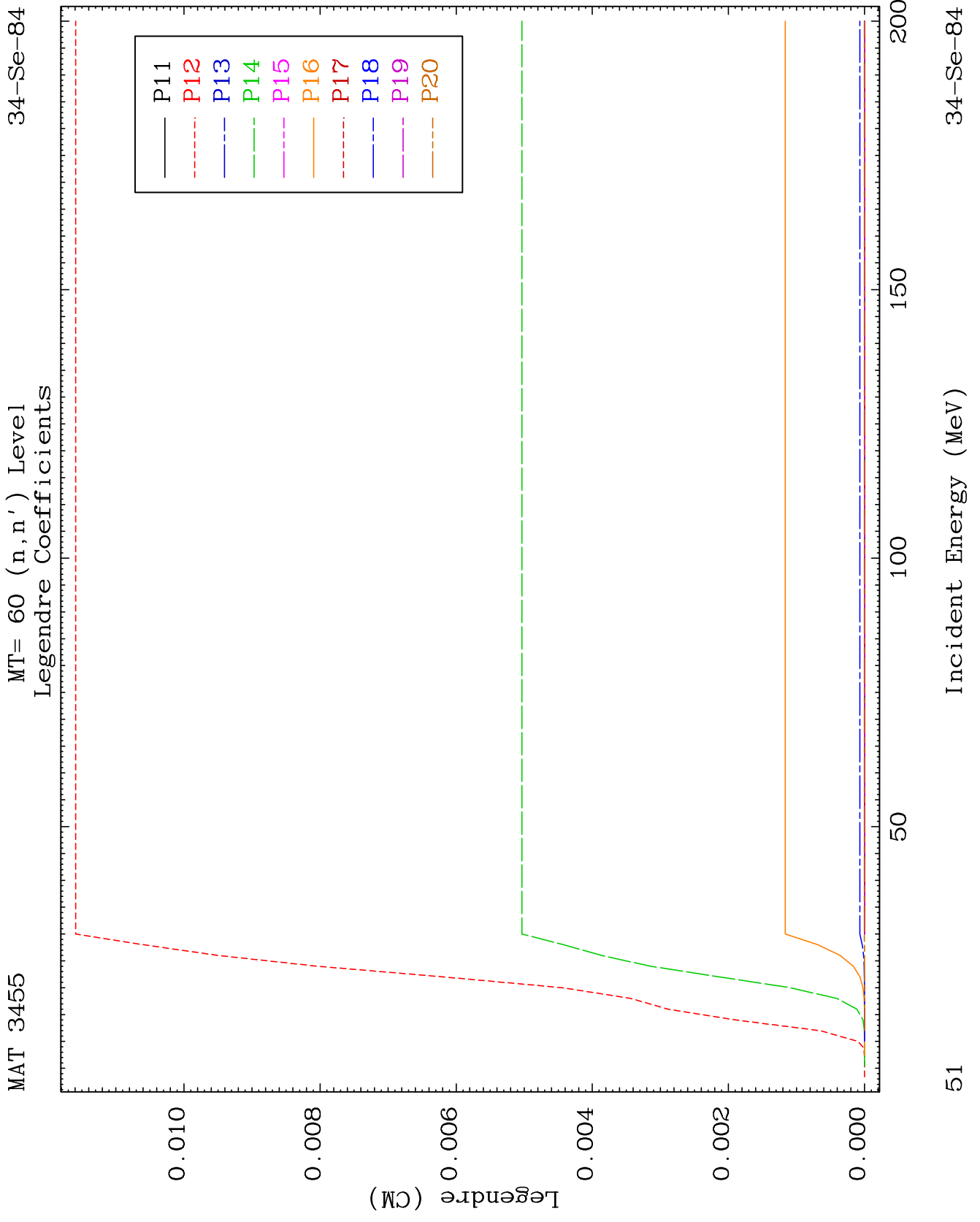
Incident Energy (MeV)

³⁴Se-84





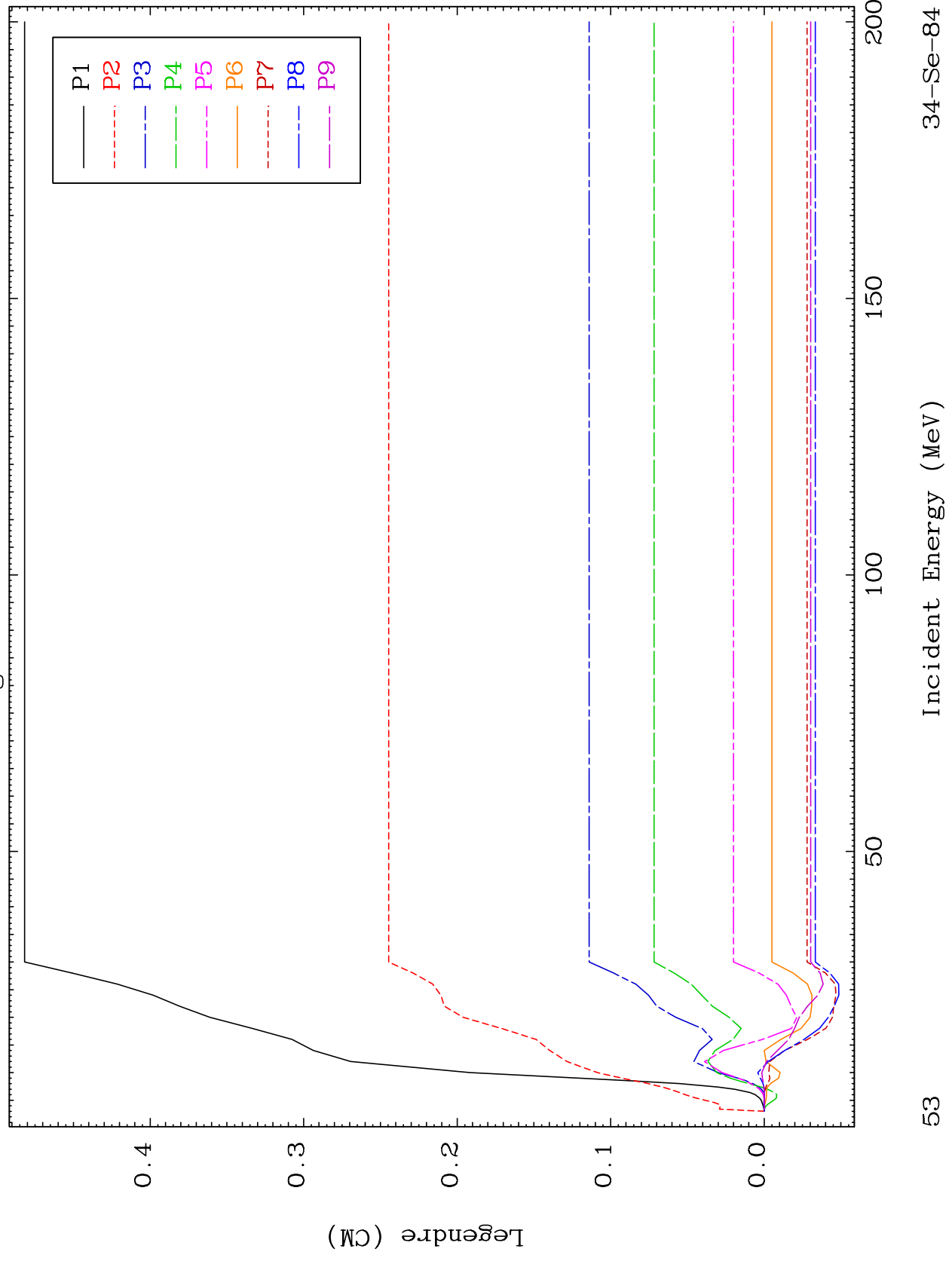




MAT 3455

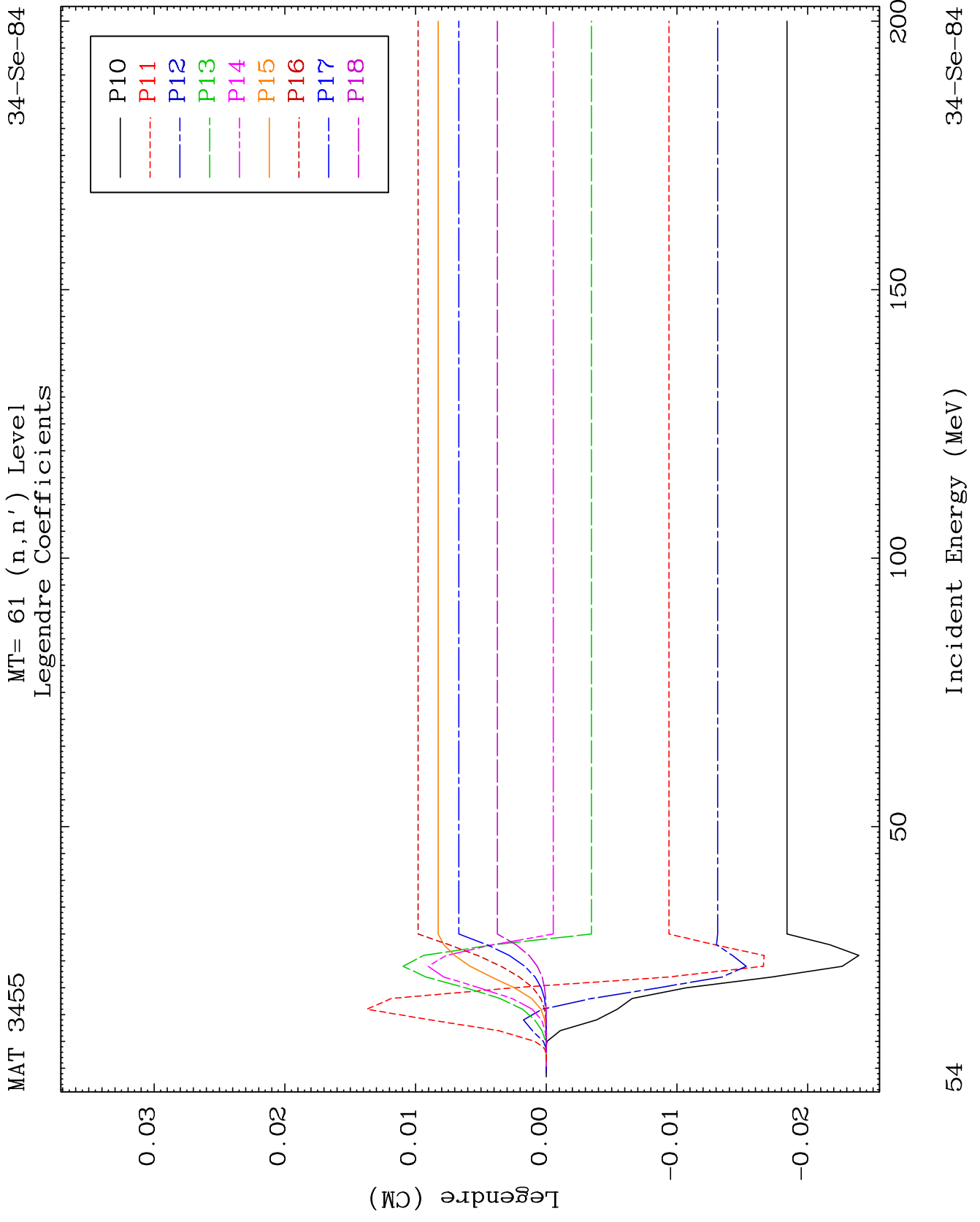
MT= 61 (n,n') Level
Legendre Coefficients

³⁴Se-84



53

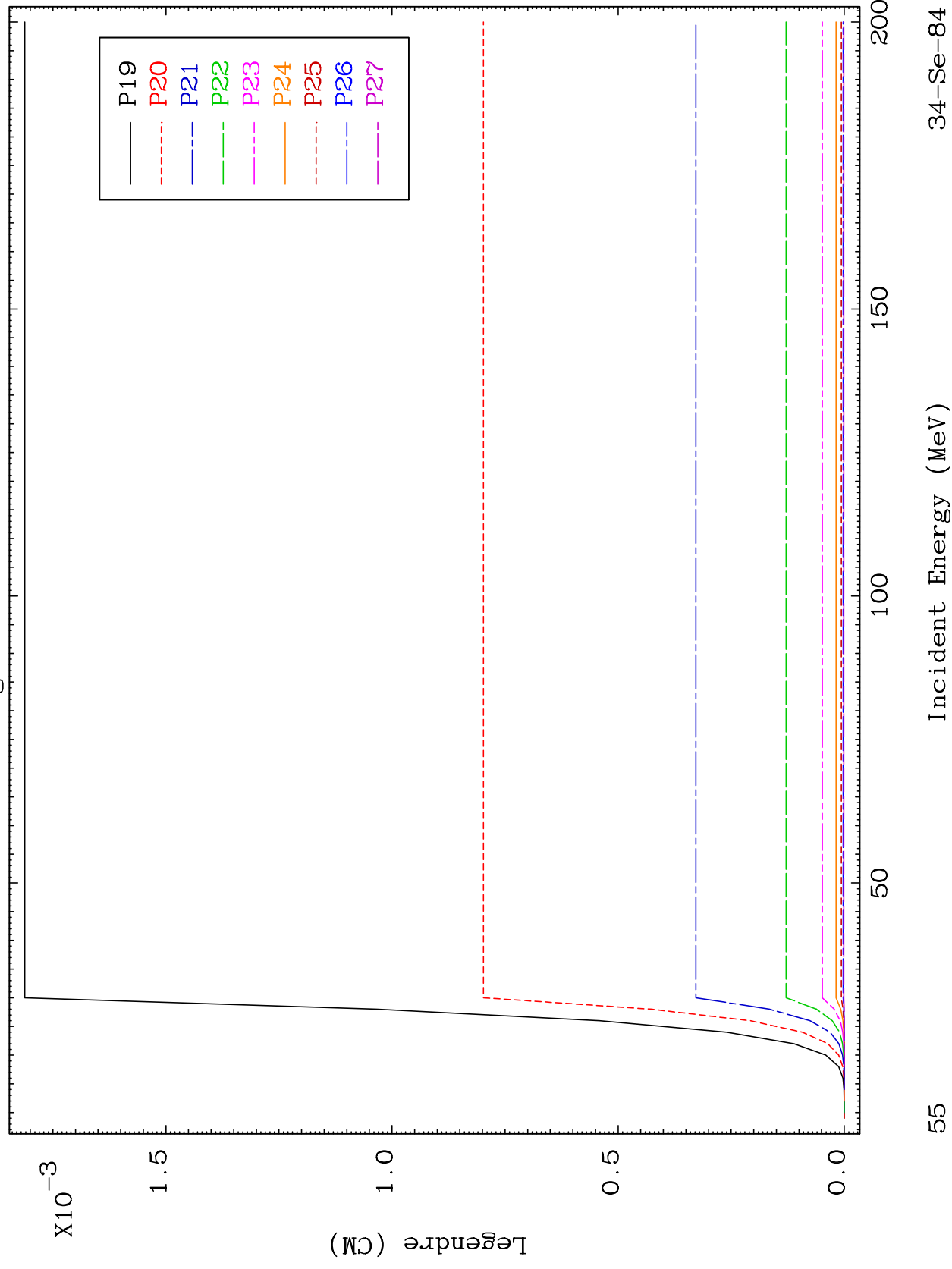
³⁴Se-84



MAT 3455

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

³⁴Se-84



55

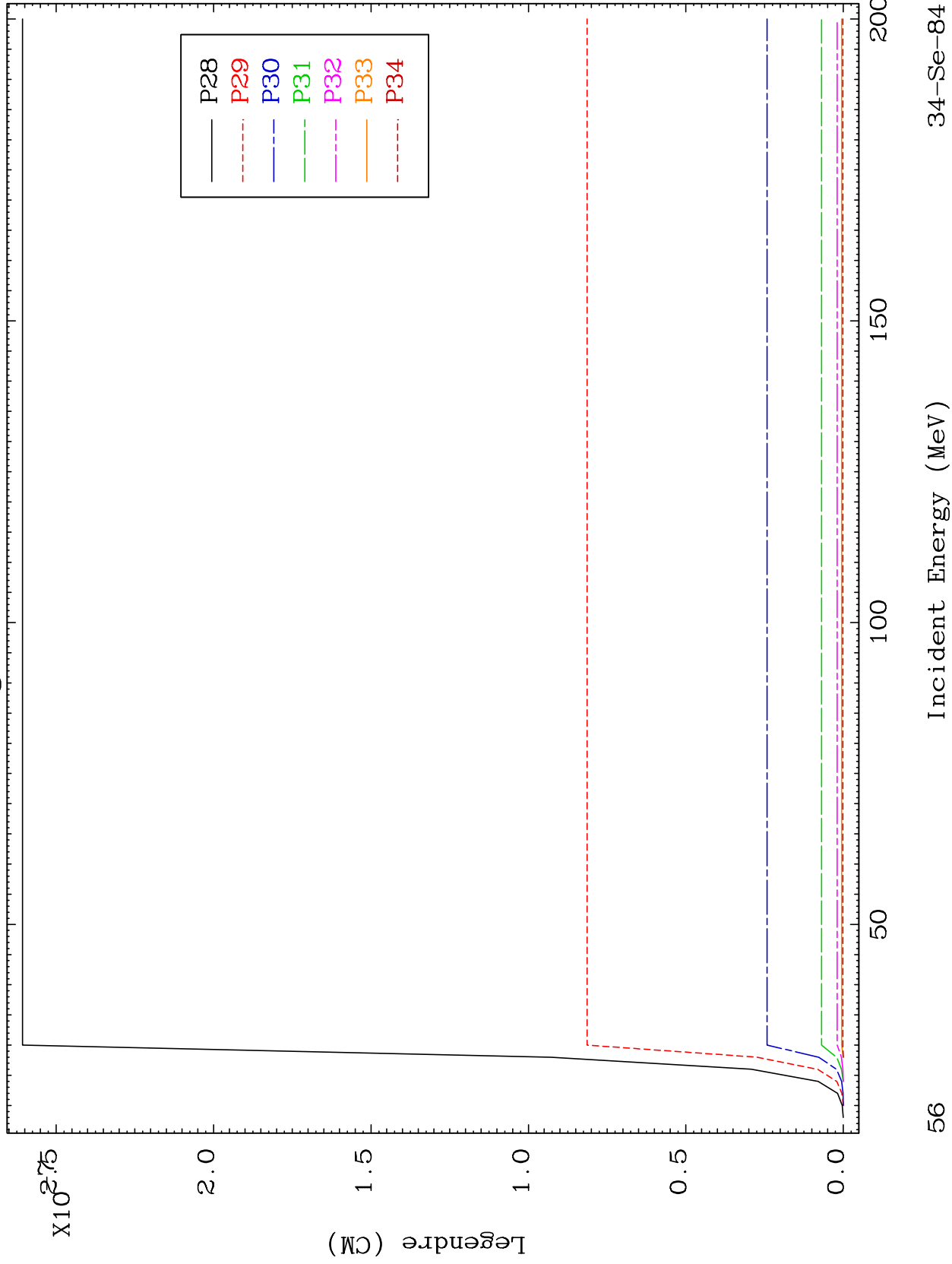
Incident Energy (MeV)

³⁴Se-84

MAT 3455

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

34-Se-84



56

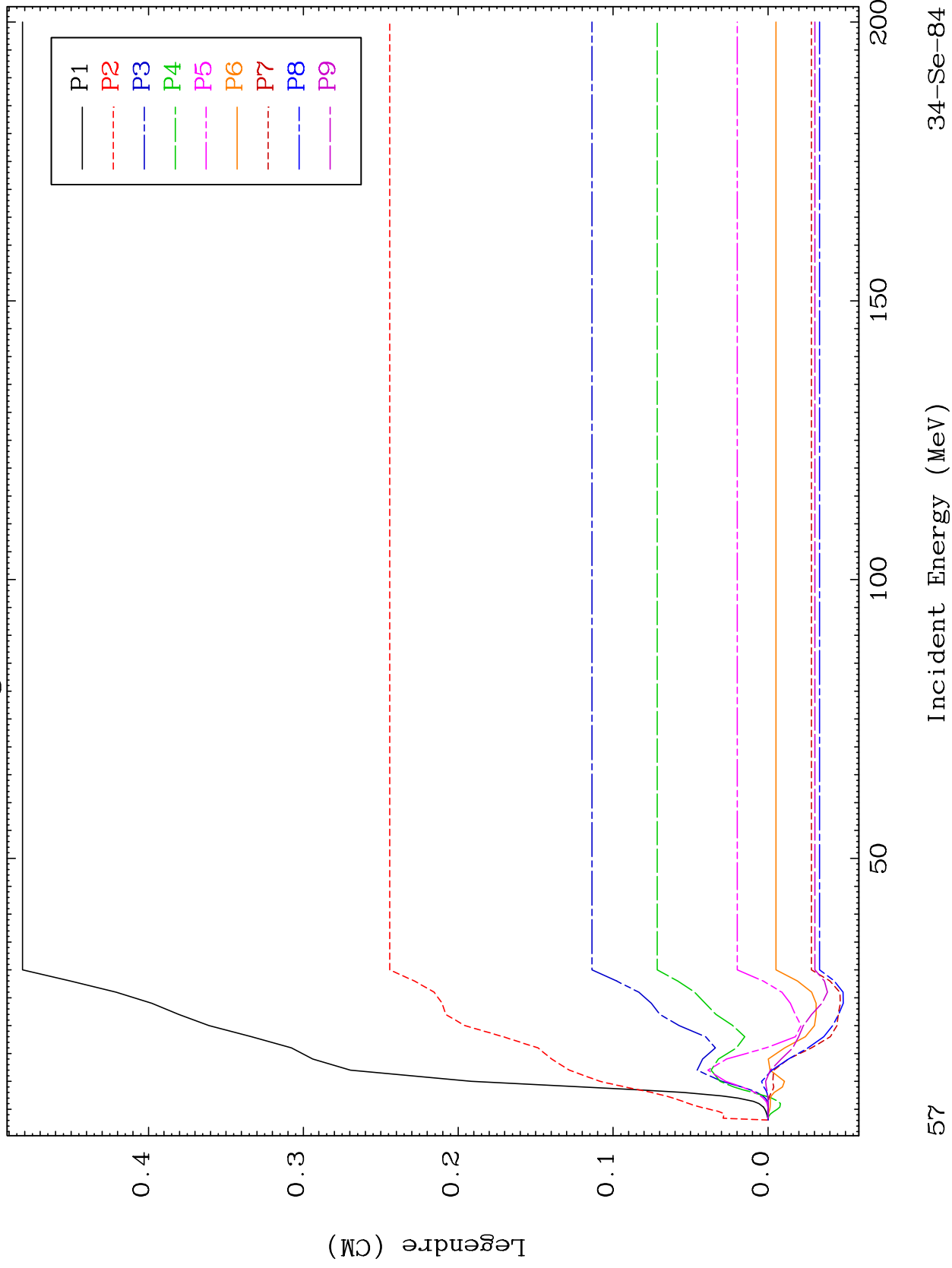
Incident Energy (MeV)

34-Se-84

MAT 3455

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

³⁴Se-84



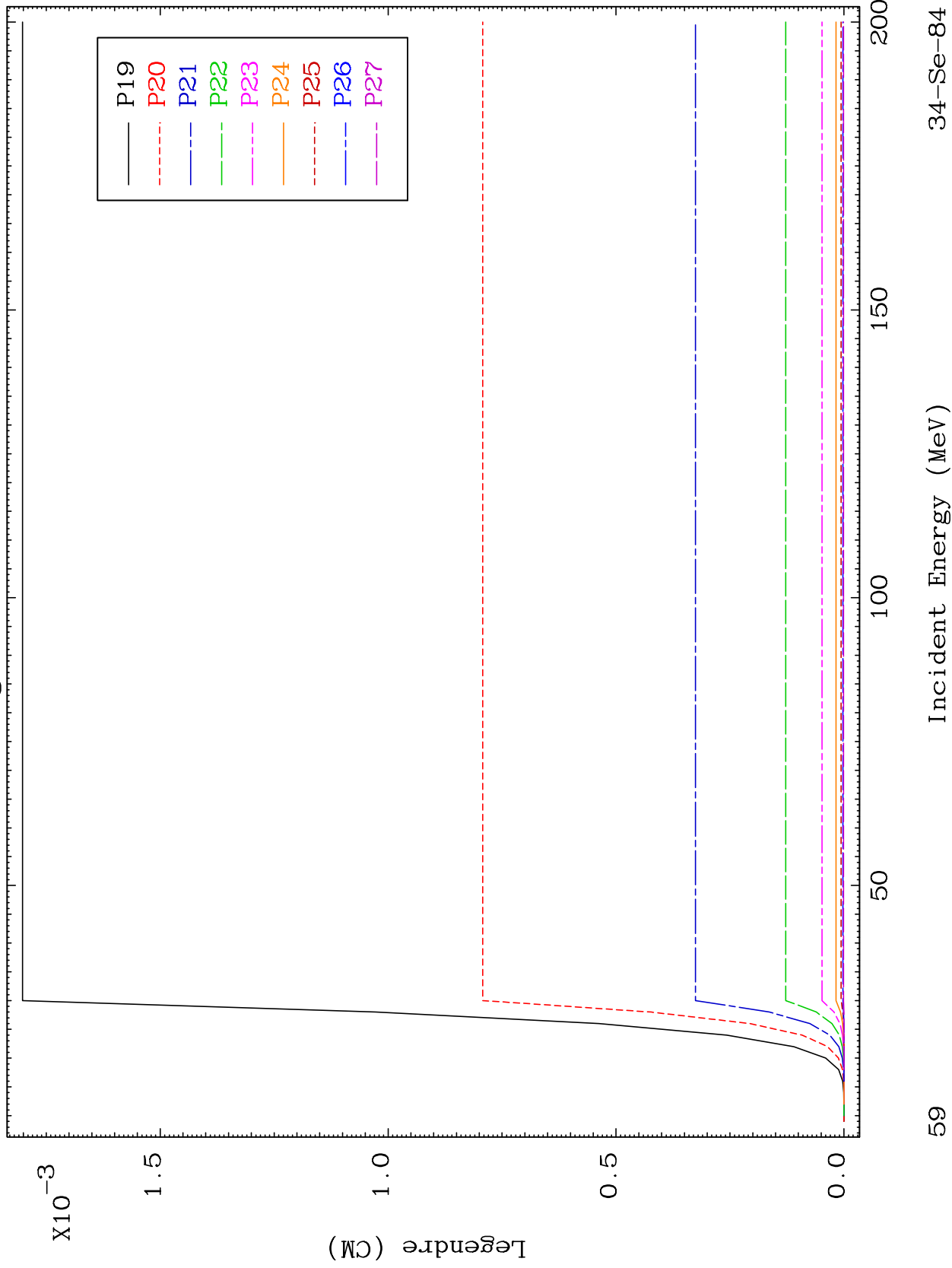
57

³⁴Se-84

MAT 3455

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

³⁴Se-84



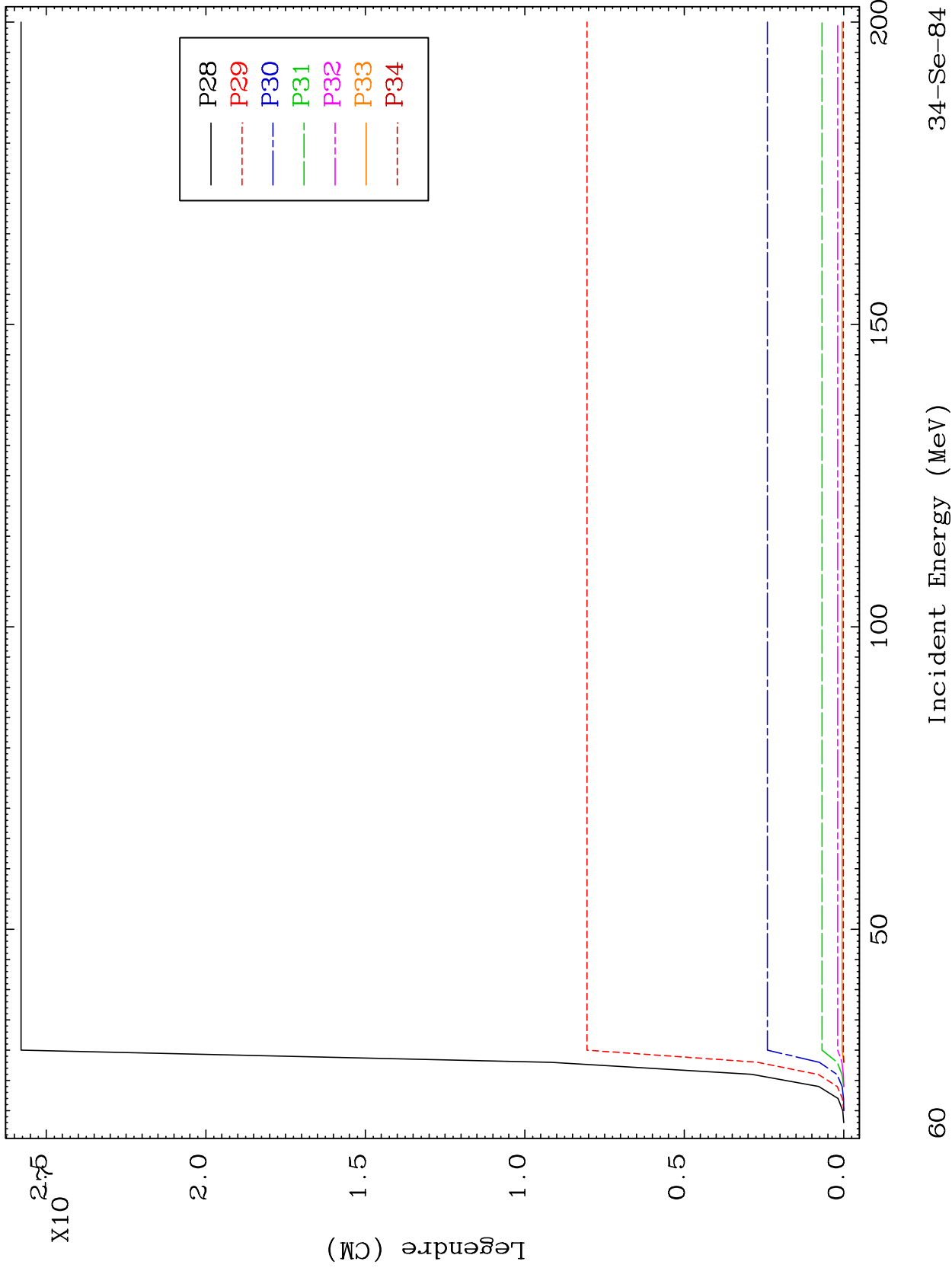
59

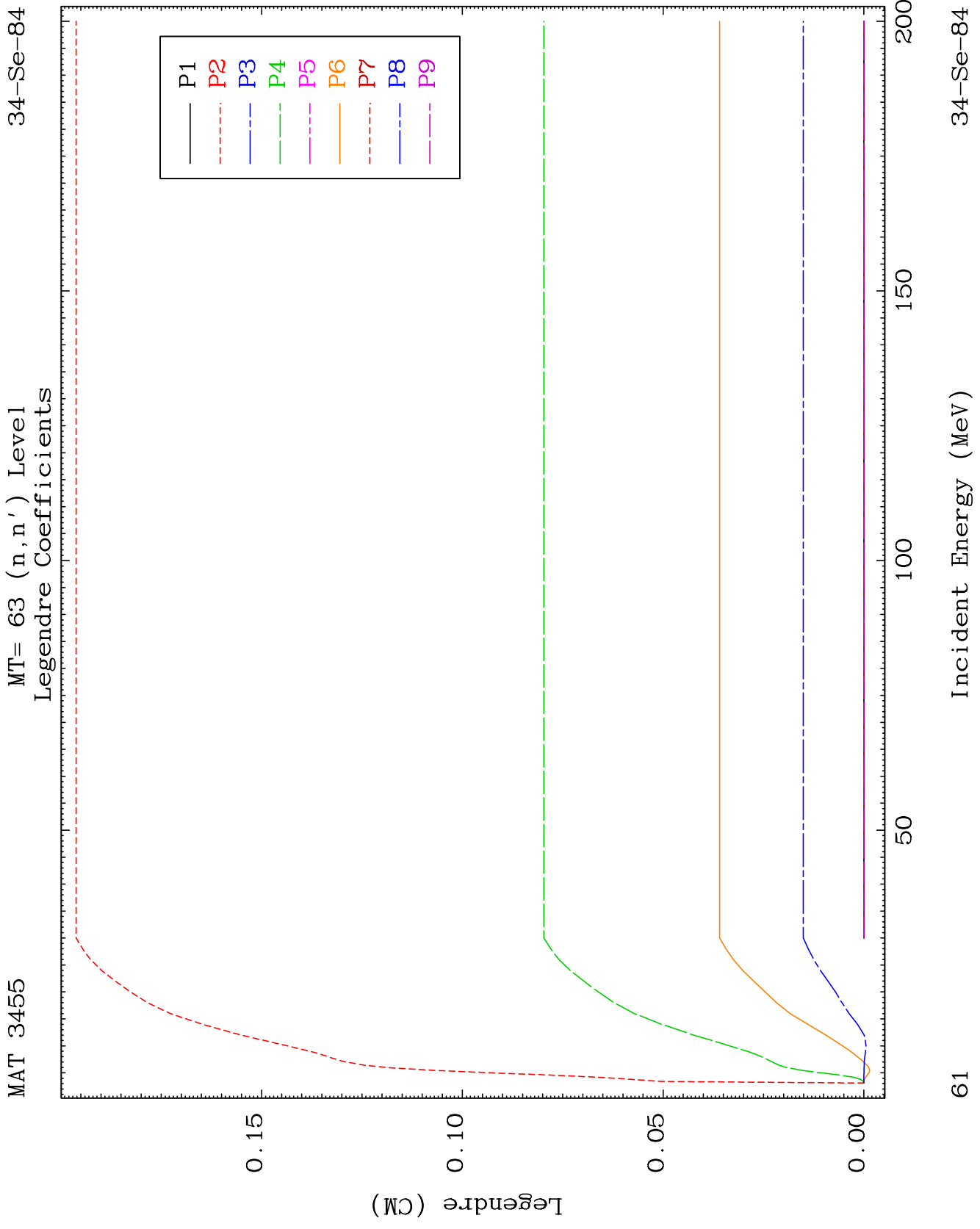
³⁴Se-84

MAT 3455

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

34-Se-84

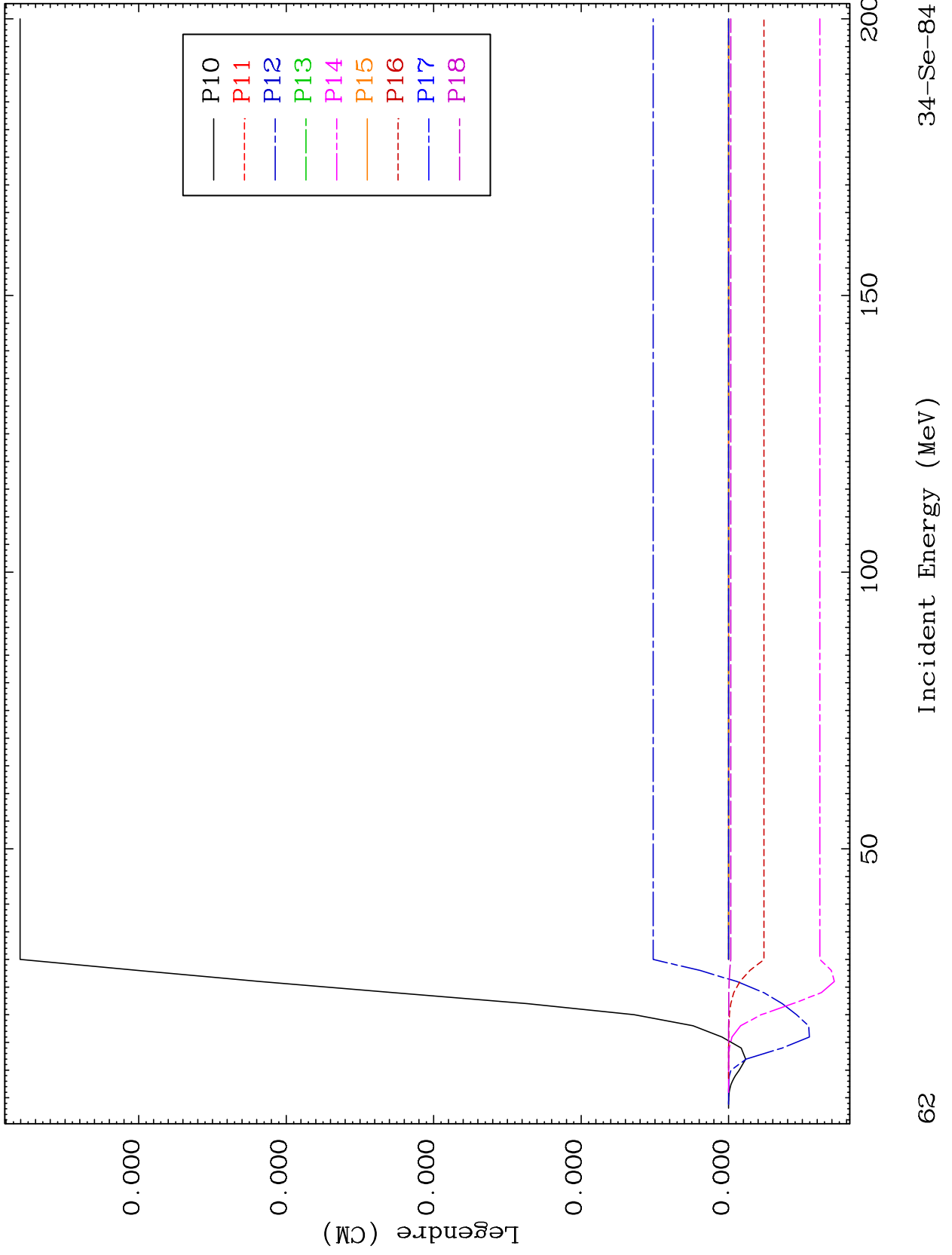




MAT 3455

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

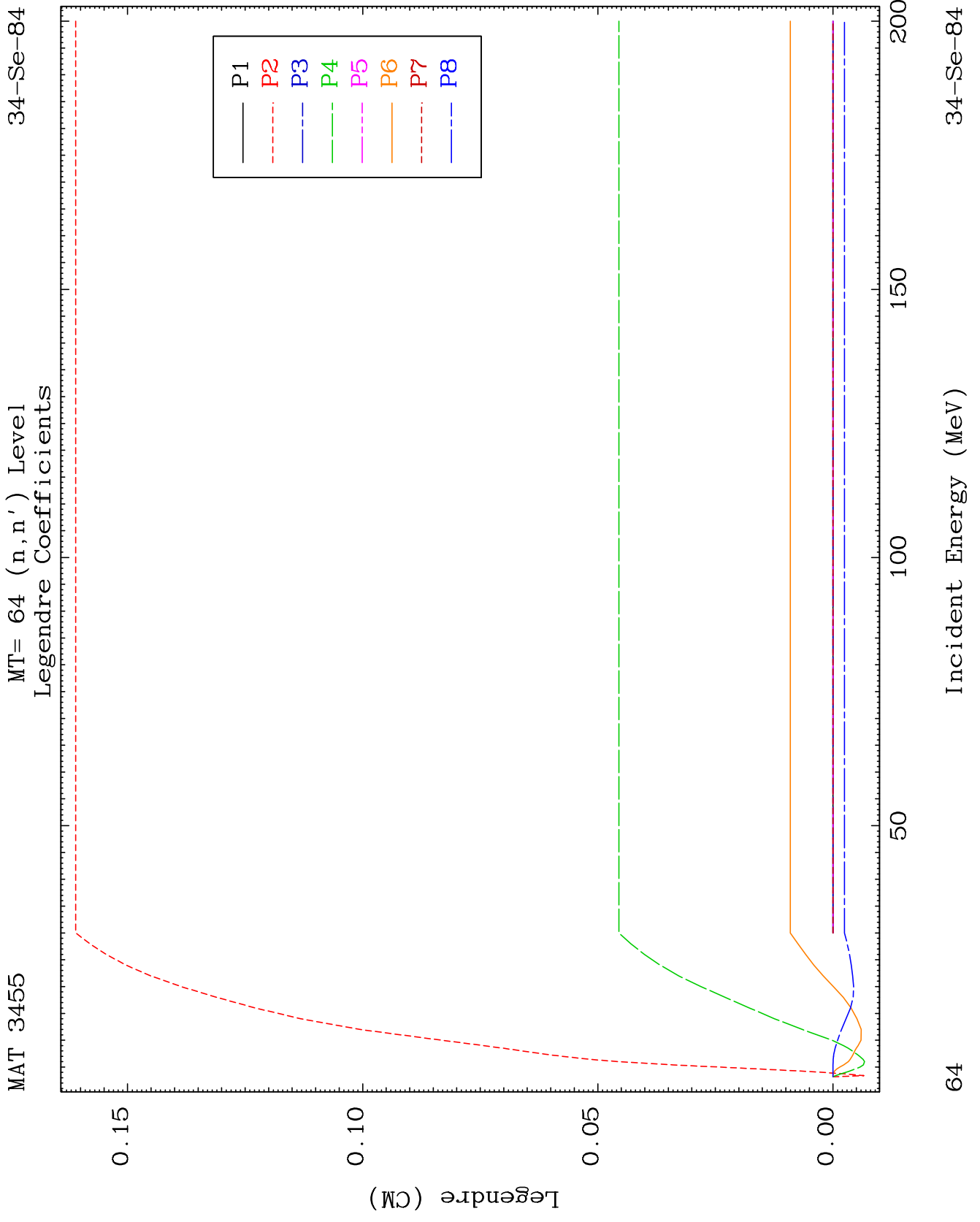
³⁴Se-84

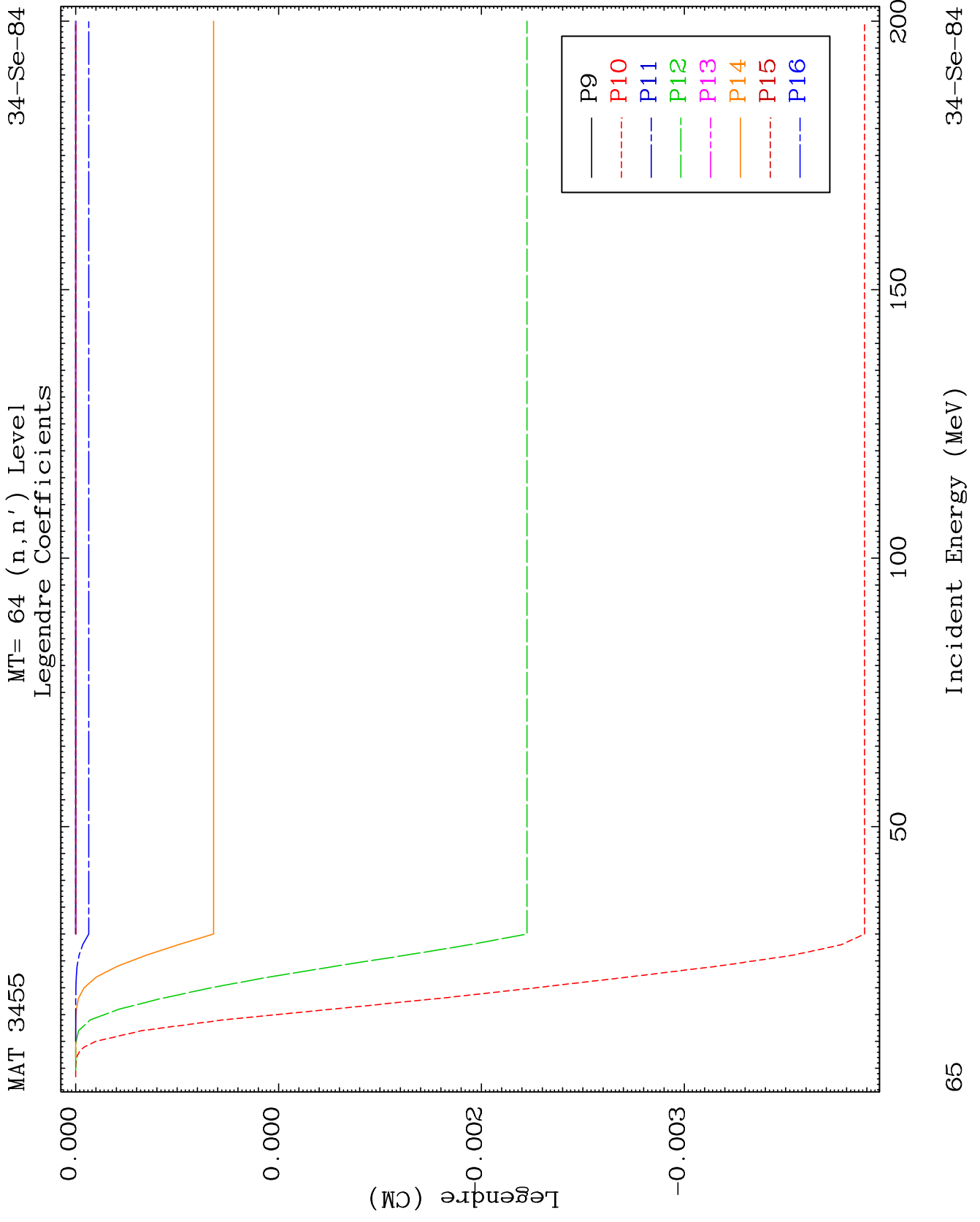


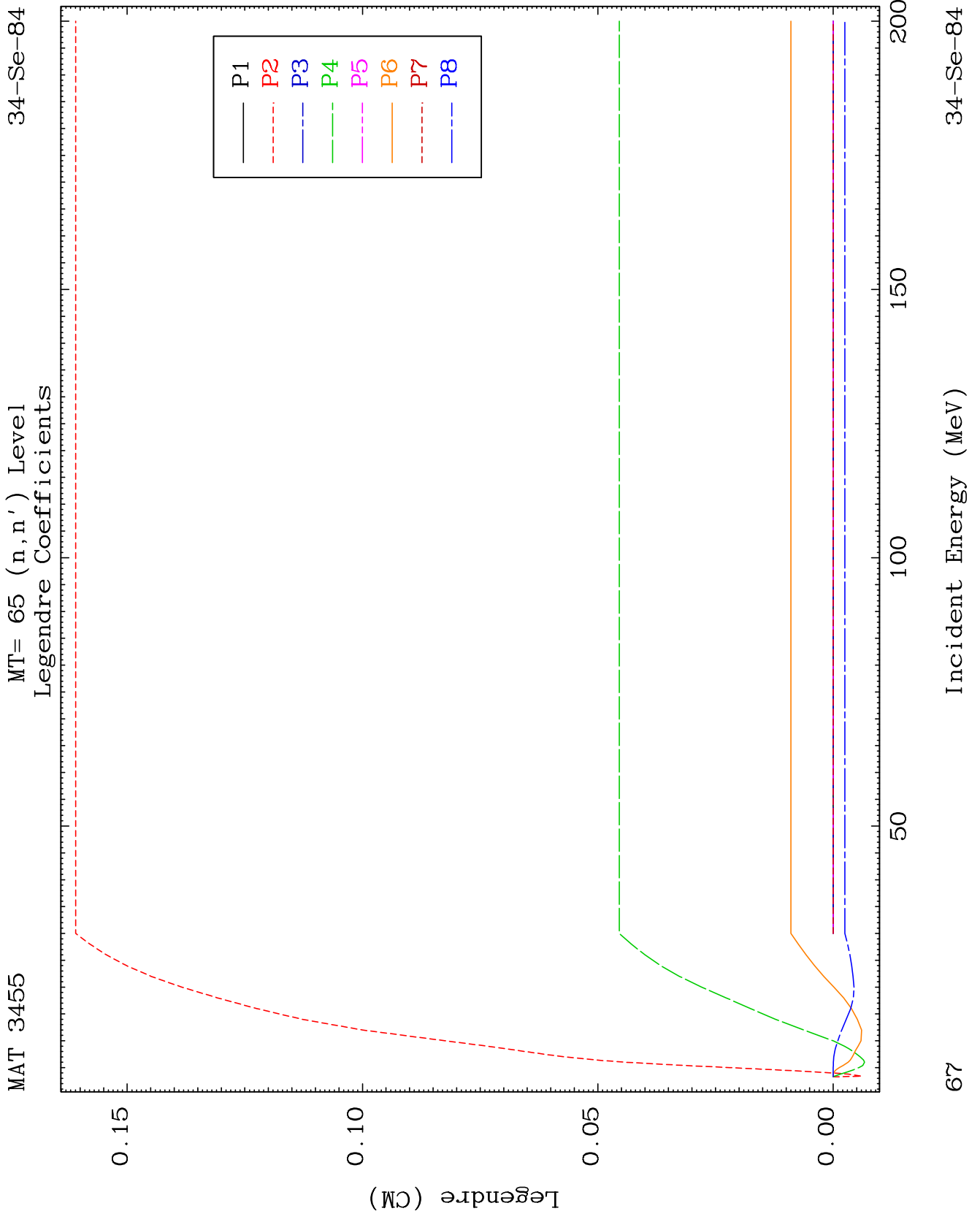
62

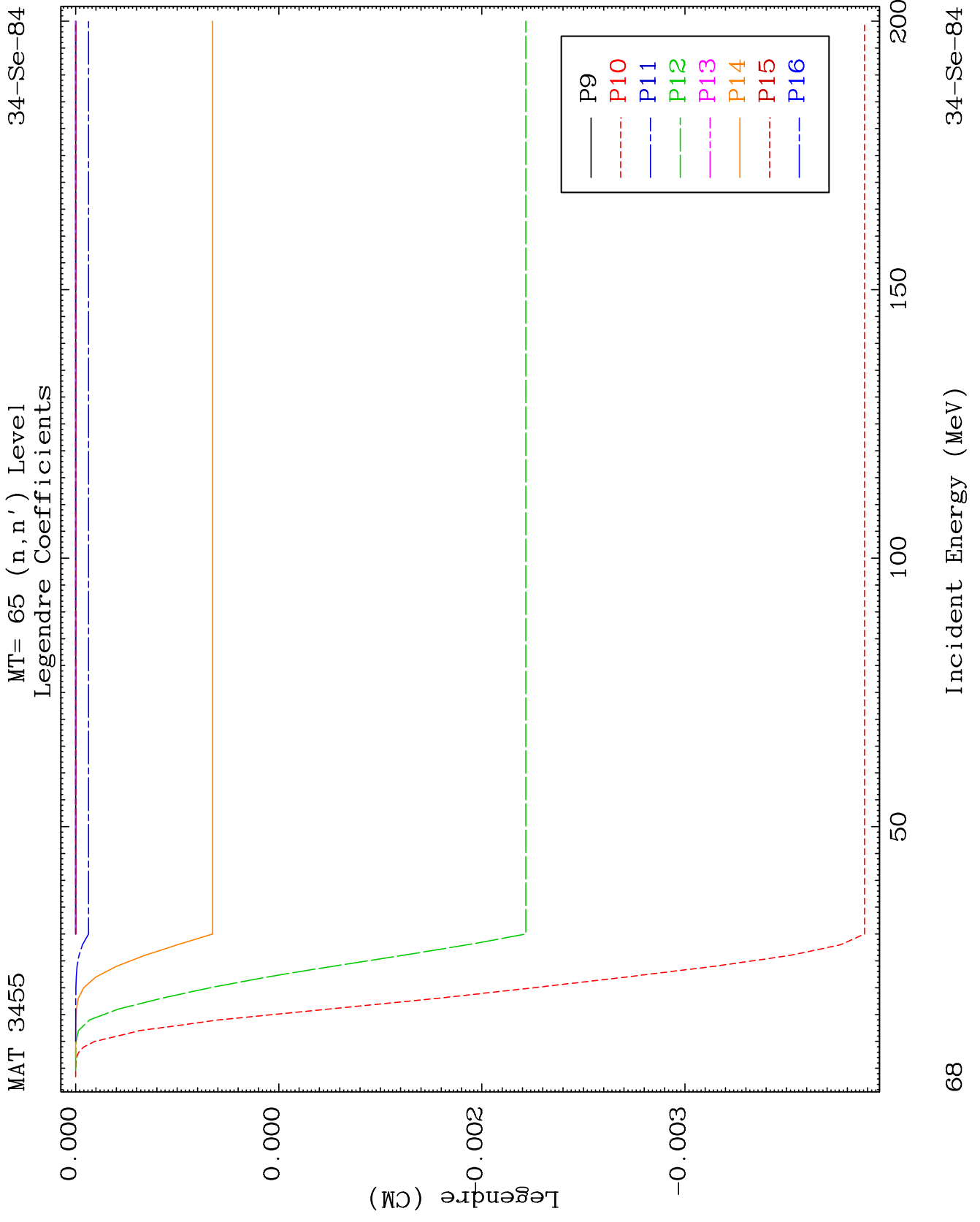
Incident Energy (MeV)

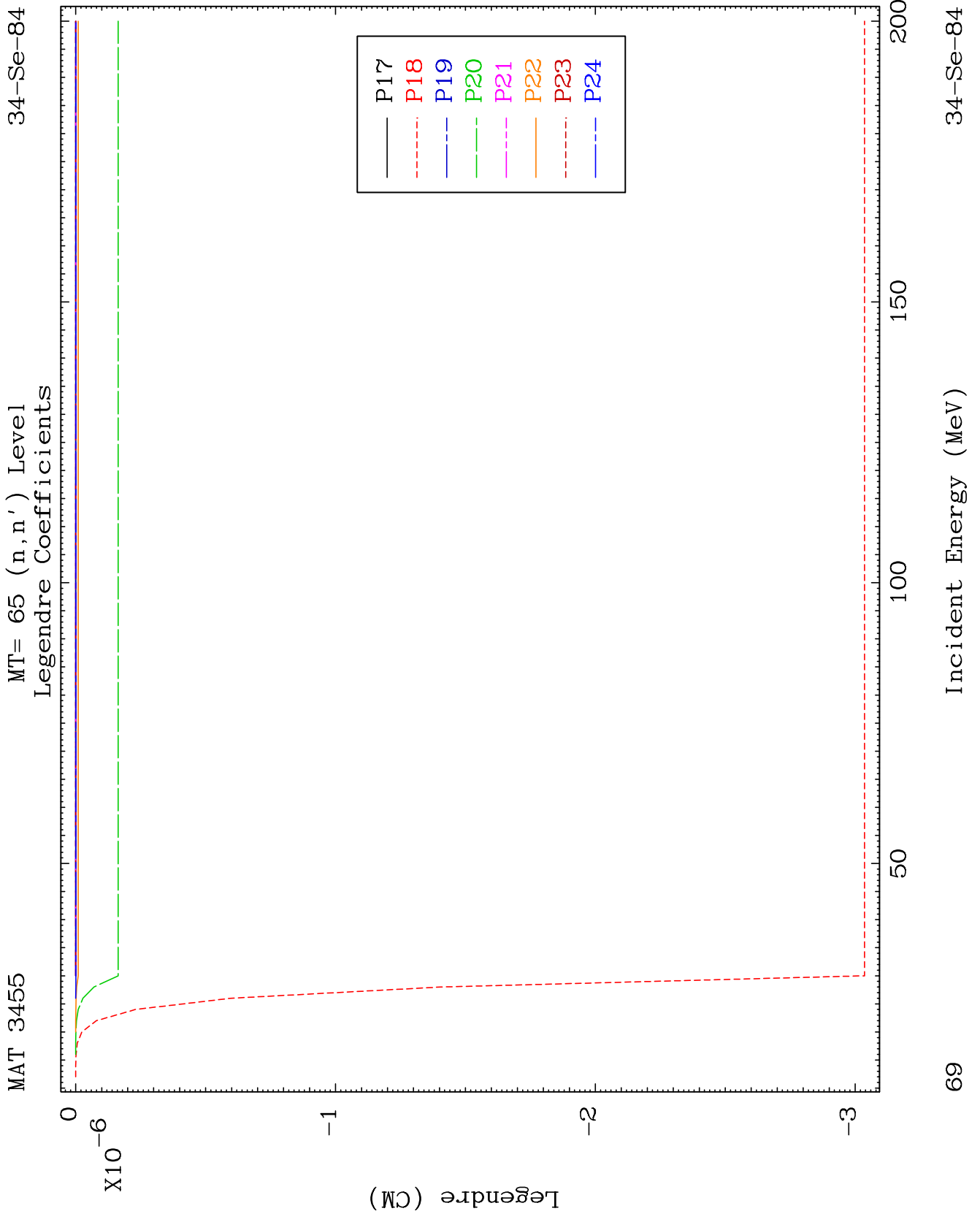
³⁴Se-84

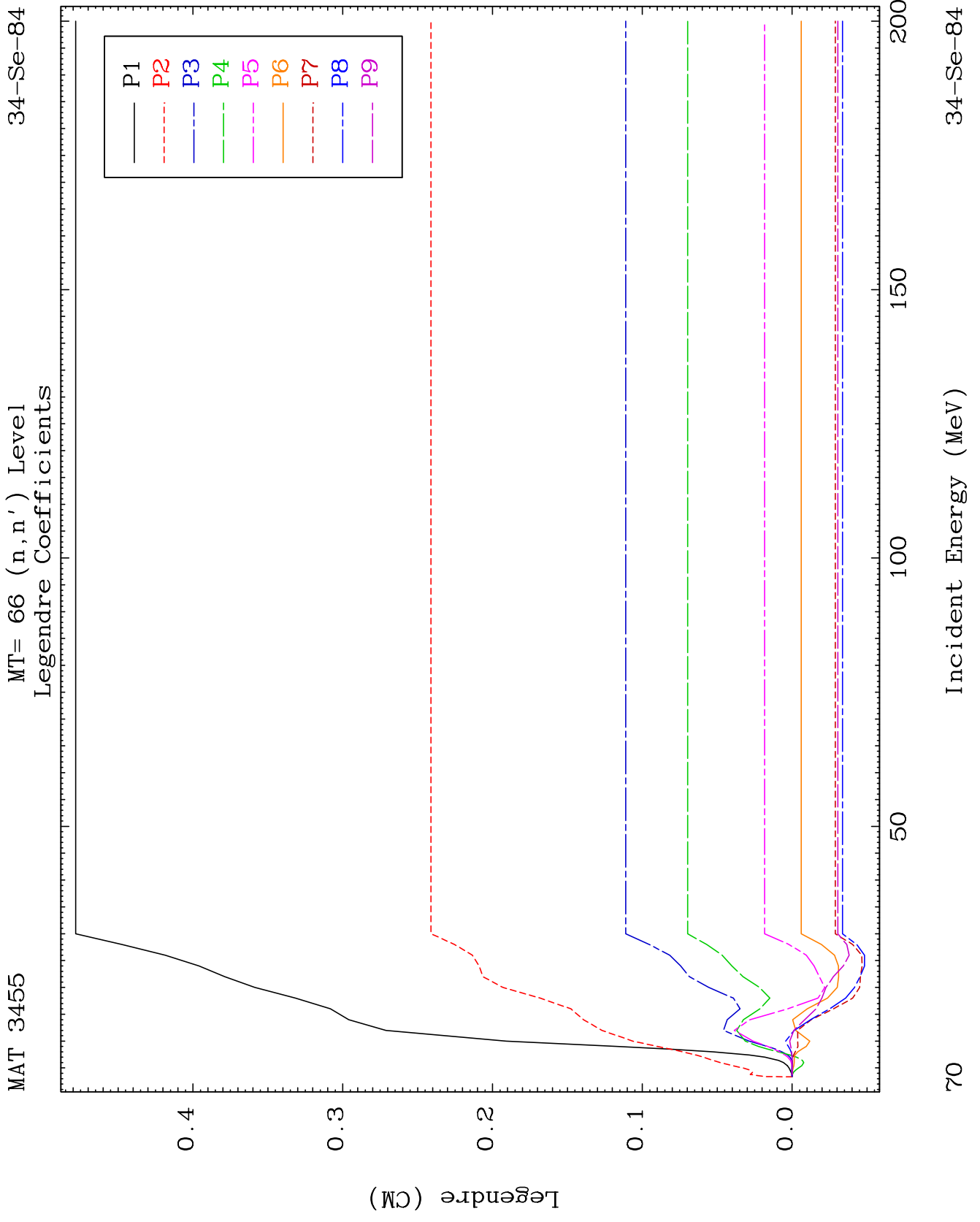


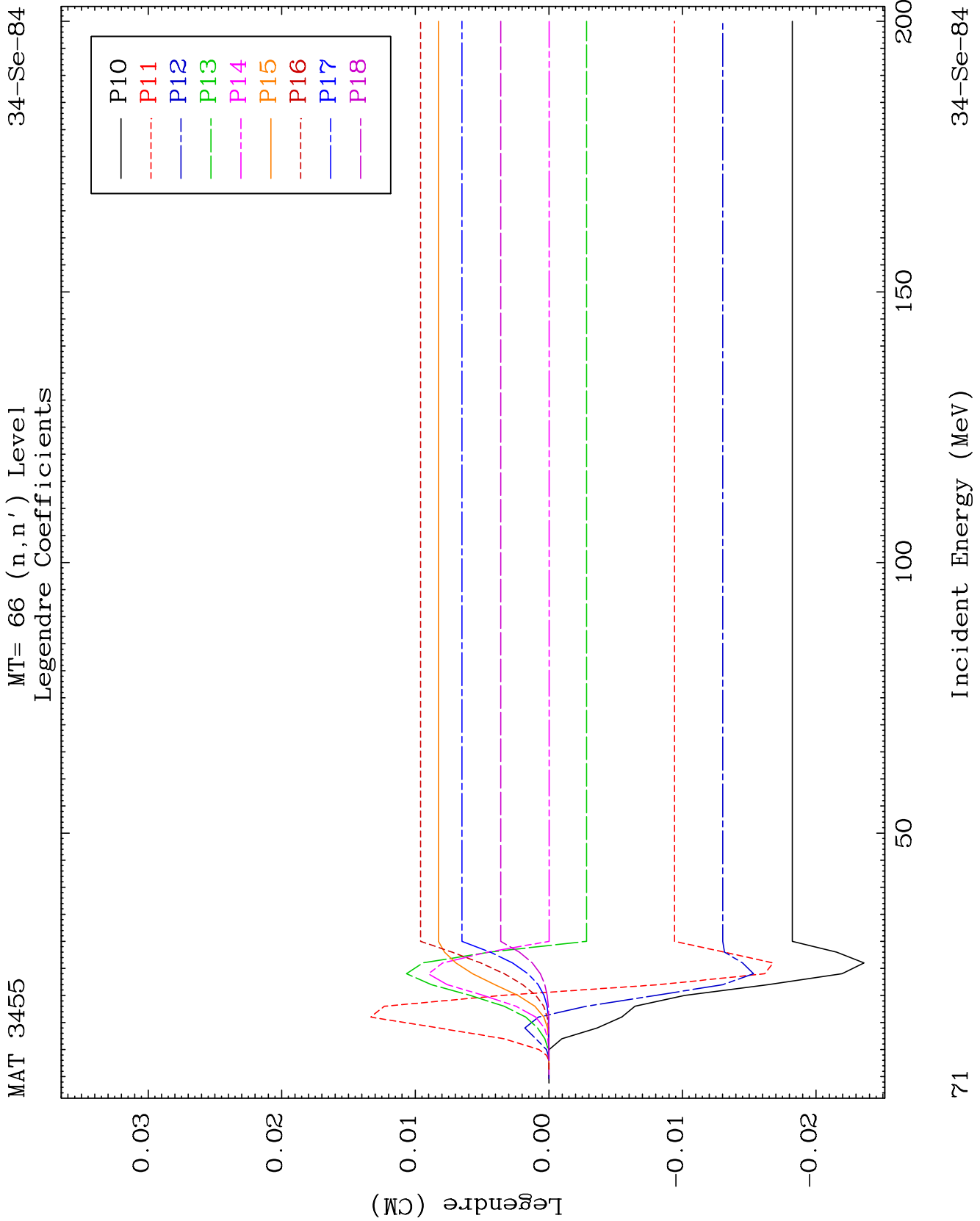








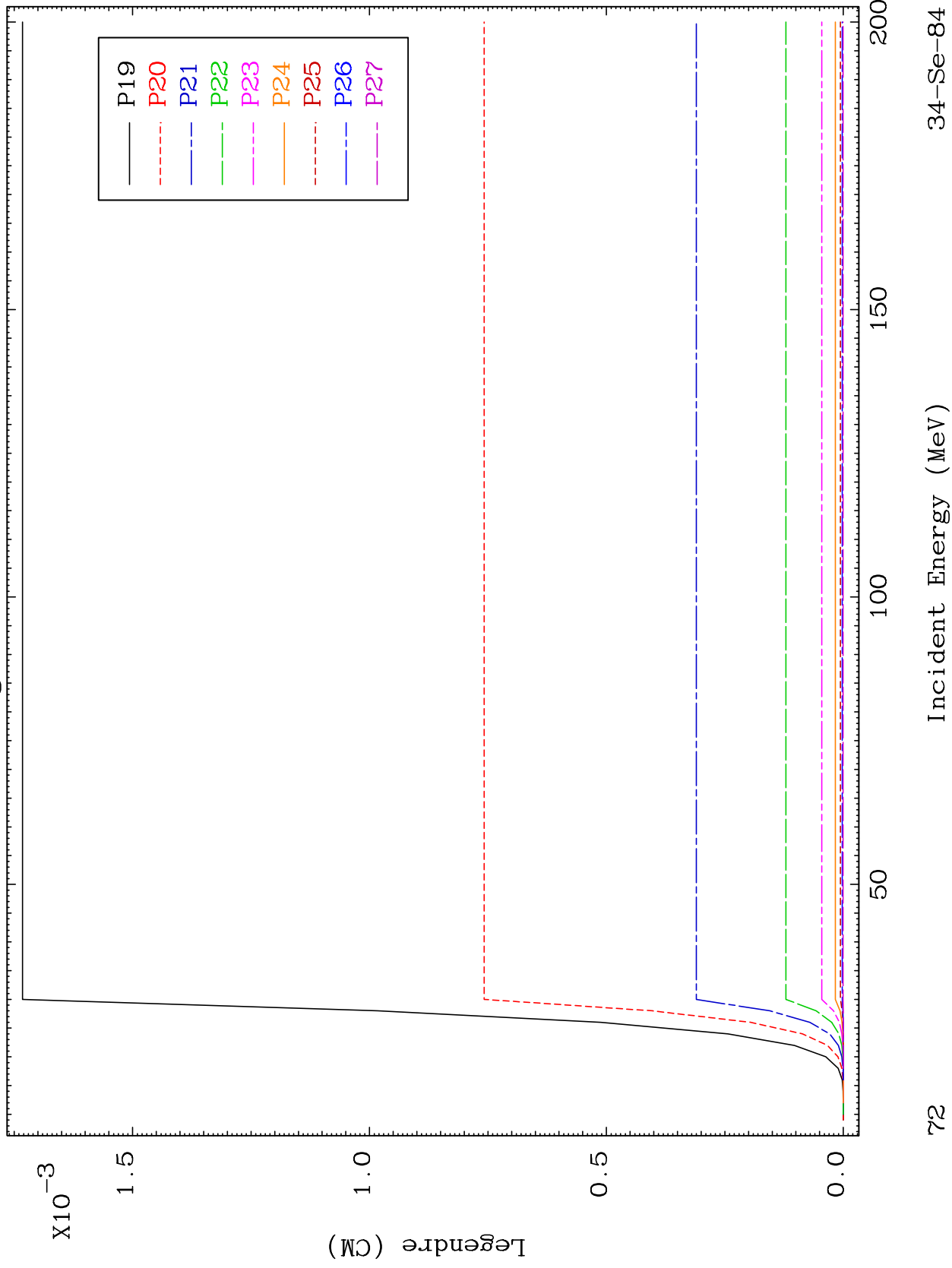




MAT 3455

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

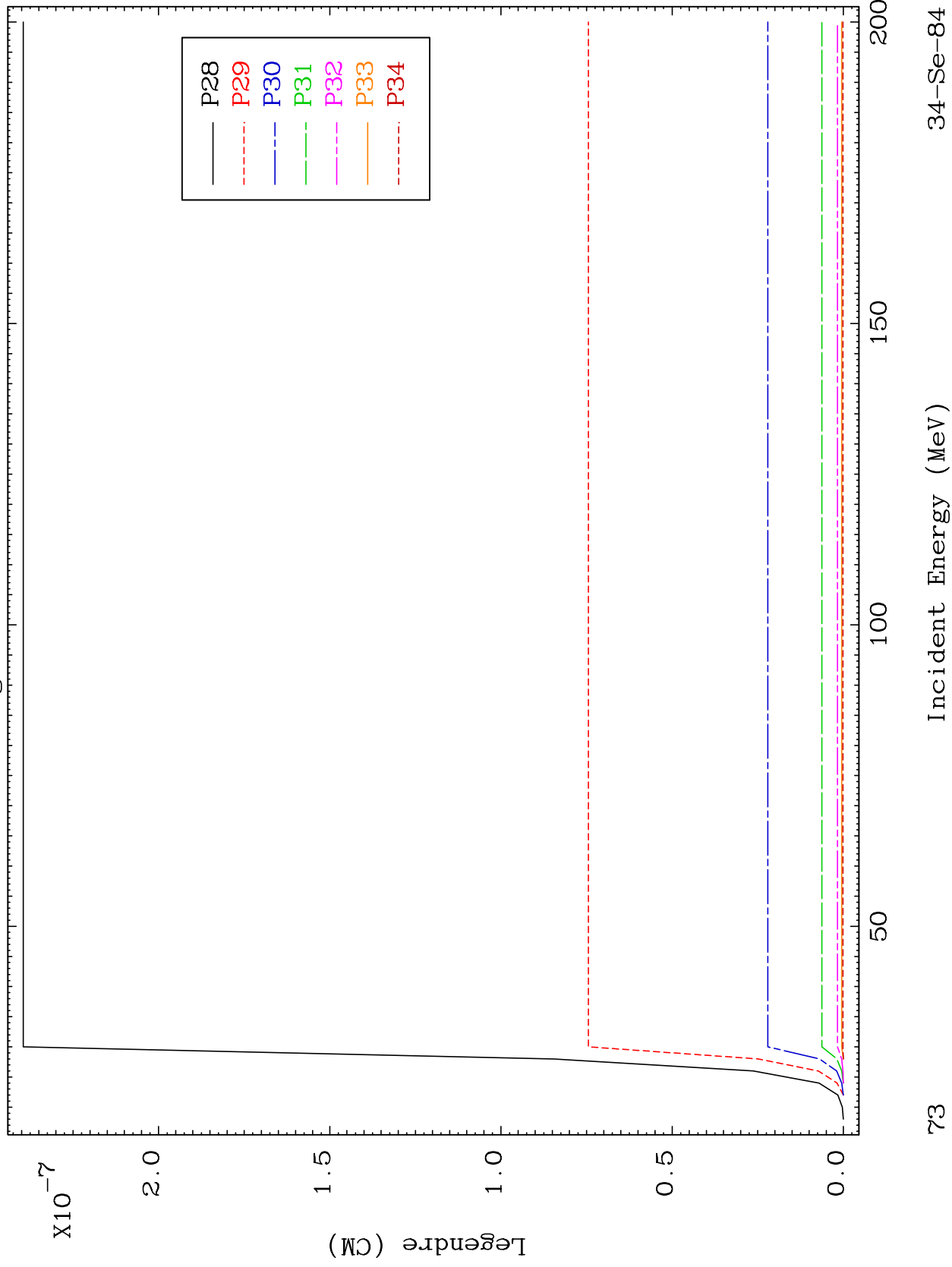
34-Se-84

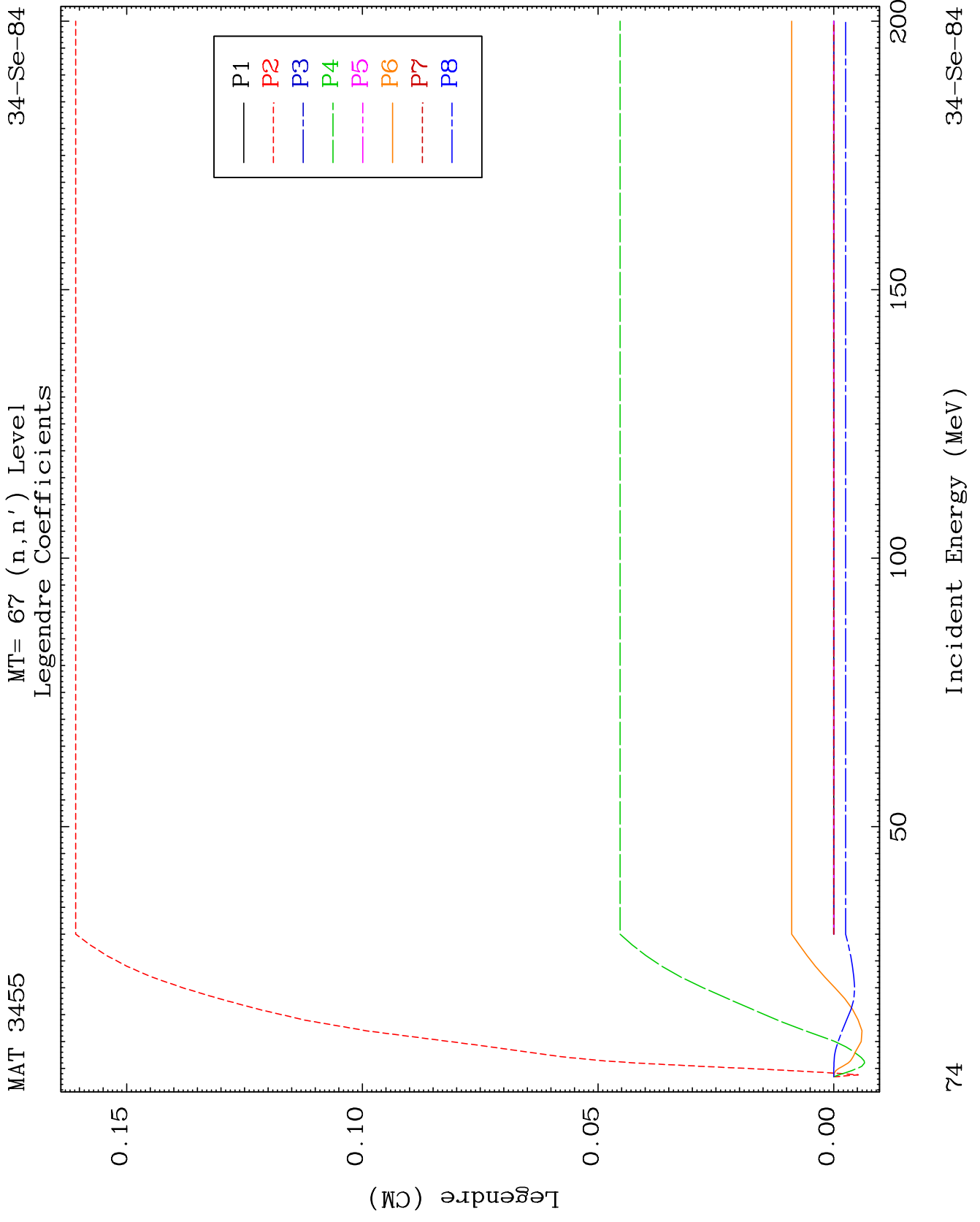


MAT 3455

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

³⁴Se-84

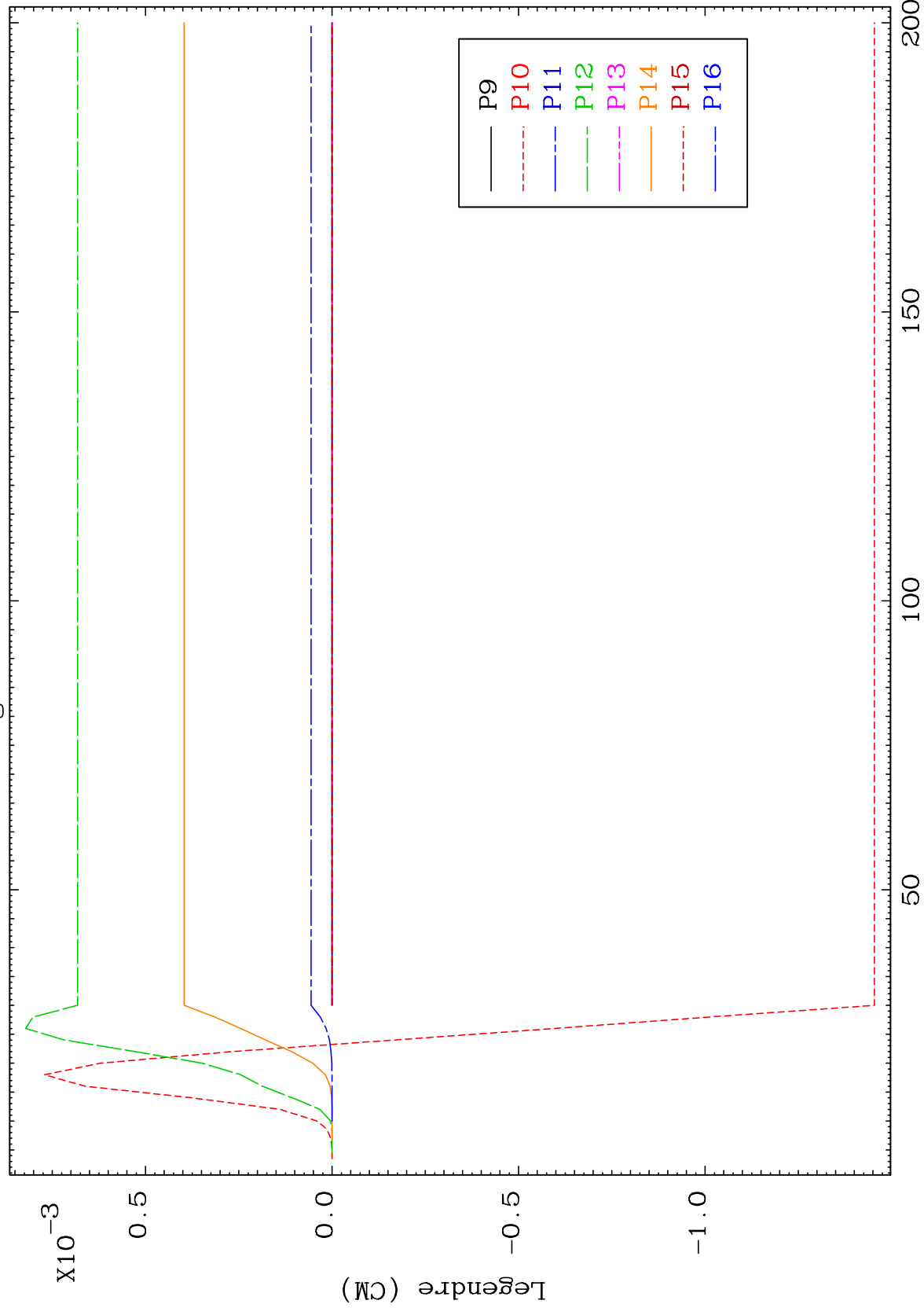




MAT 3455

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

34-Se-84



78

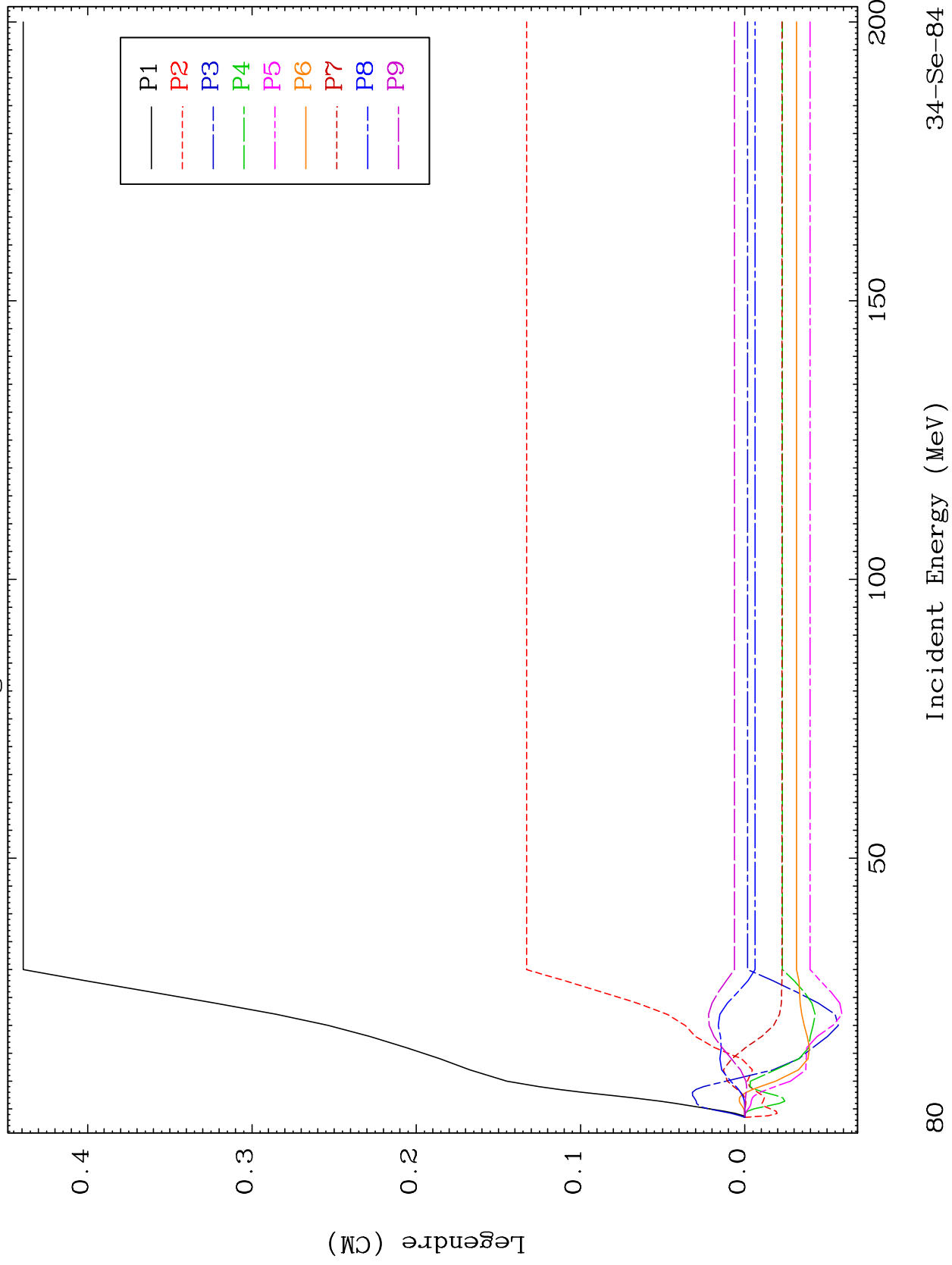
Incident Energy (MeV)

34-Se-84

MAT 3455

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

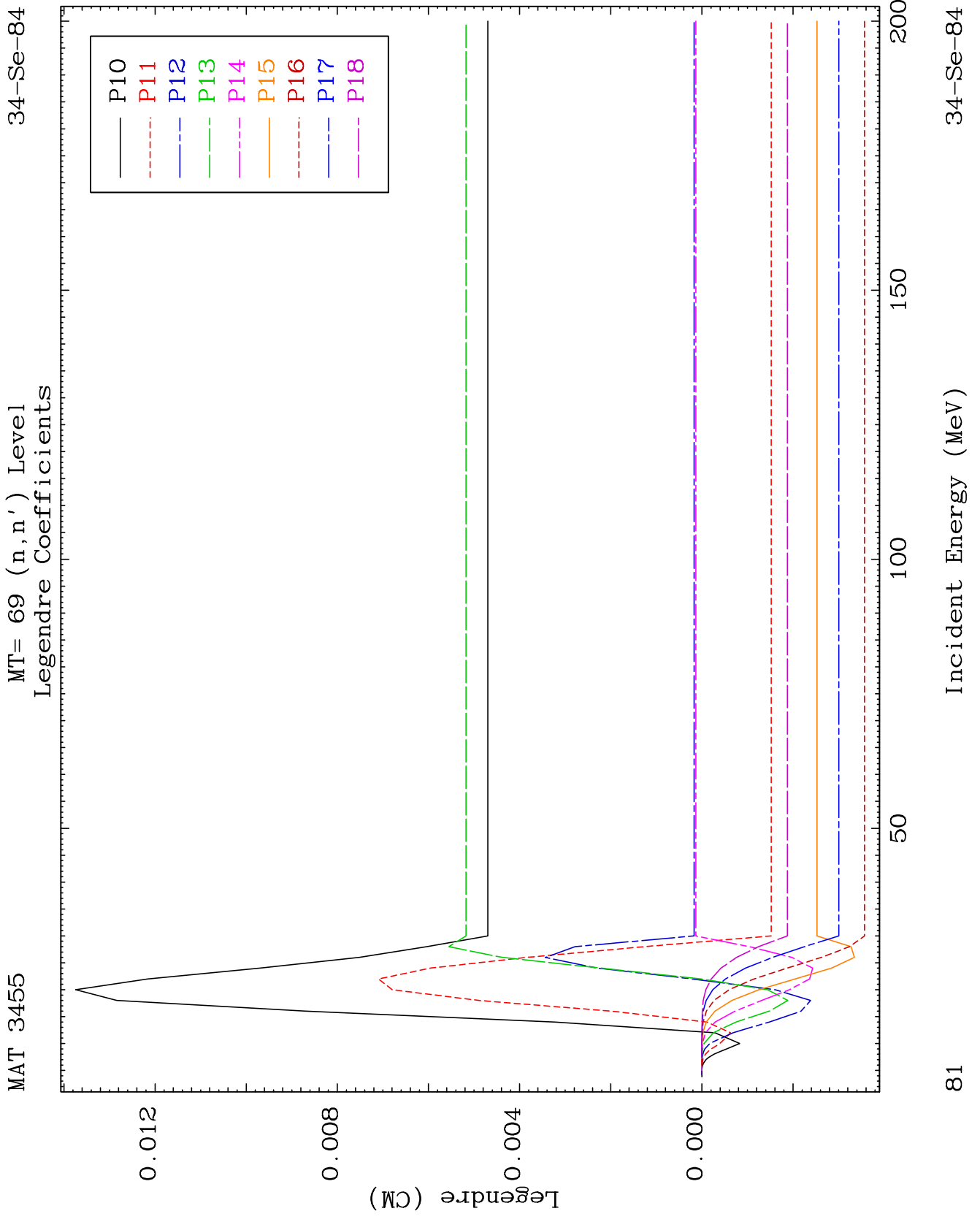
³⁴Se-84



³⁴Se-84

Incident Energy (MeV)

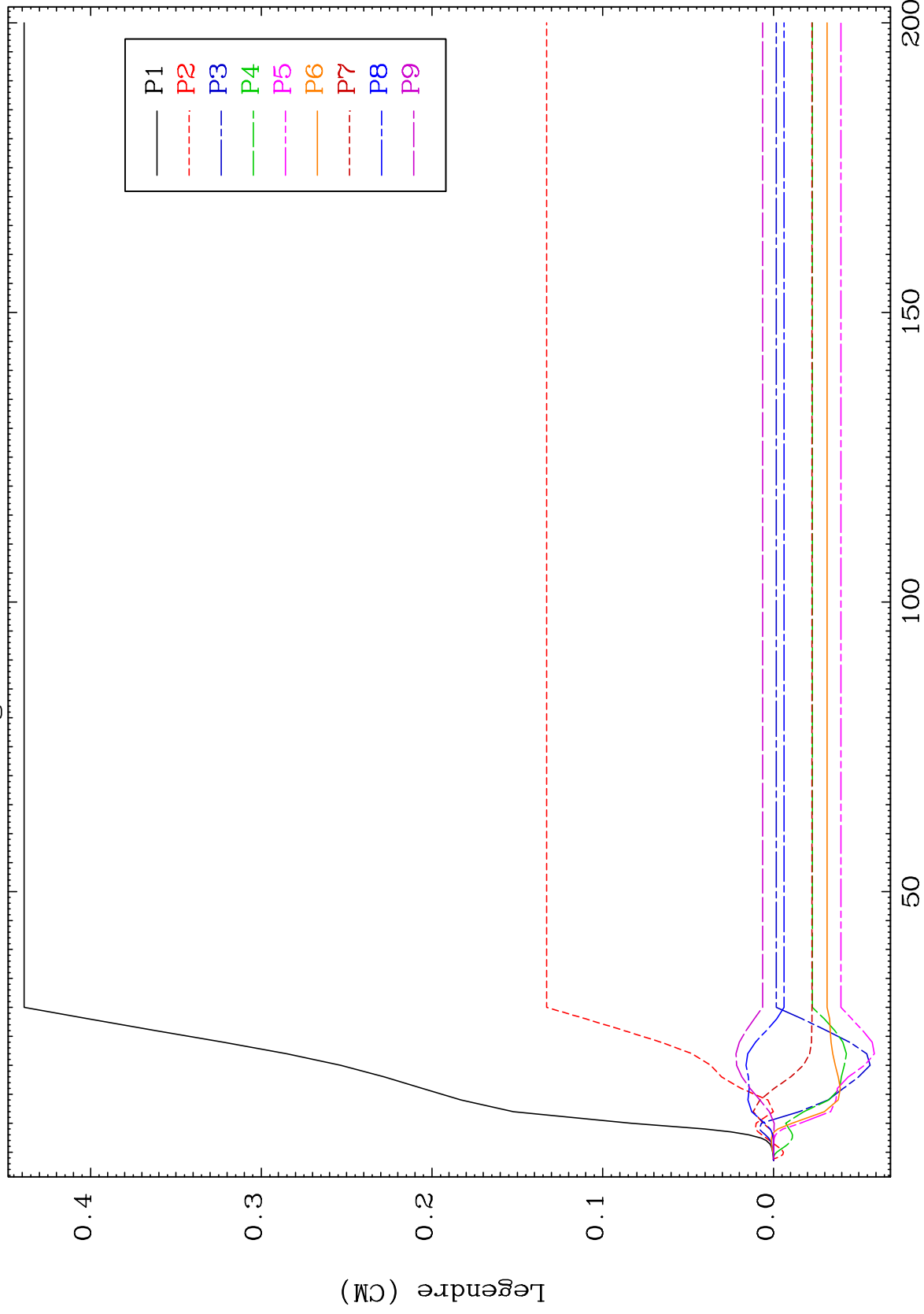
80



MAT 3455

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

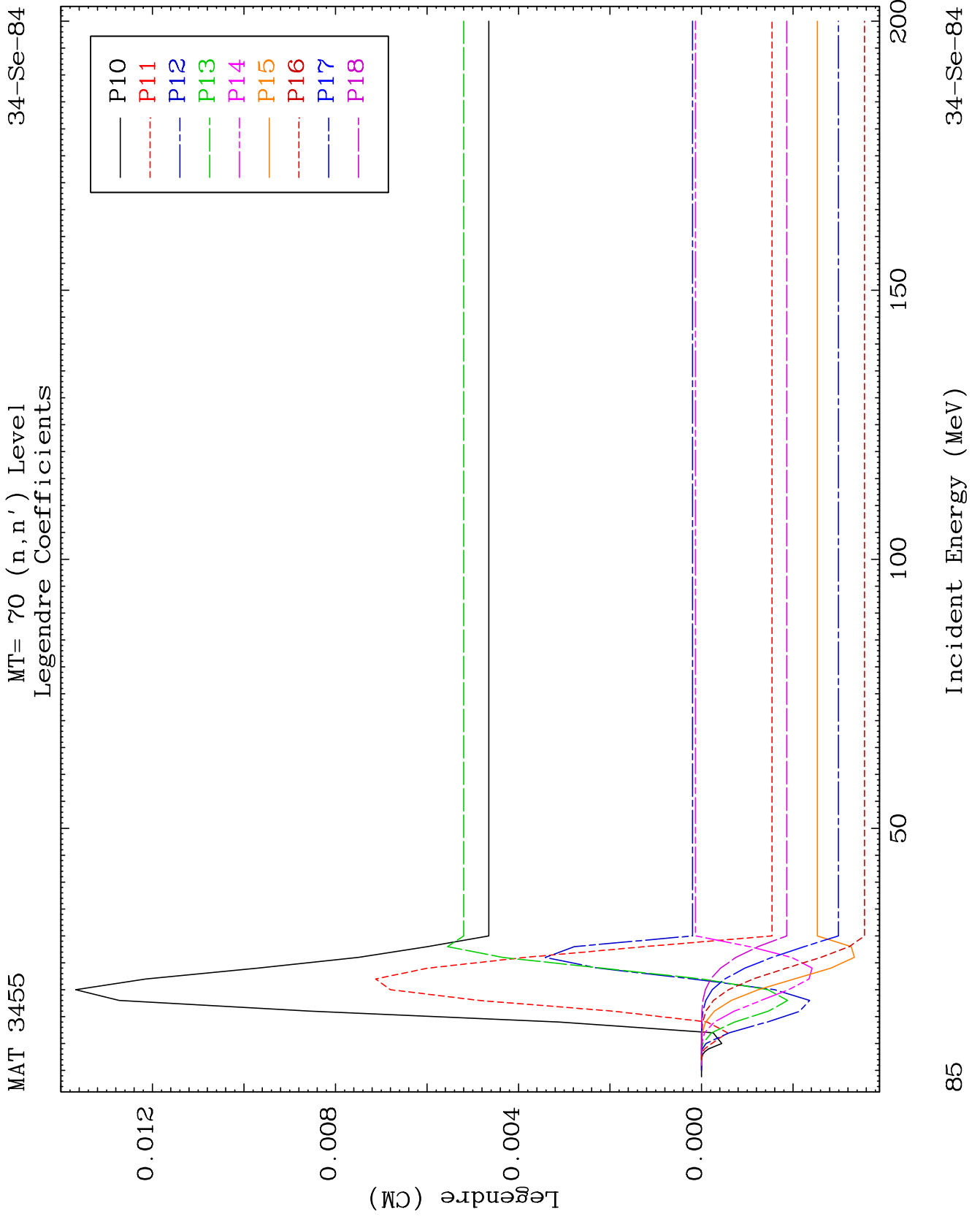
³⁴Se-84

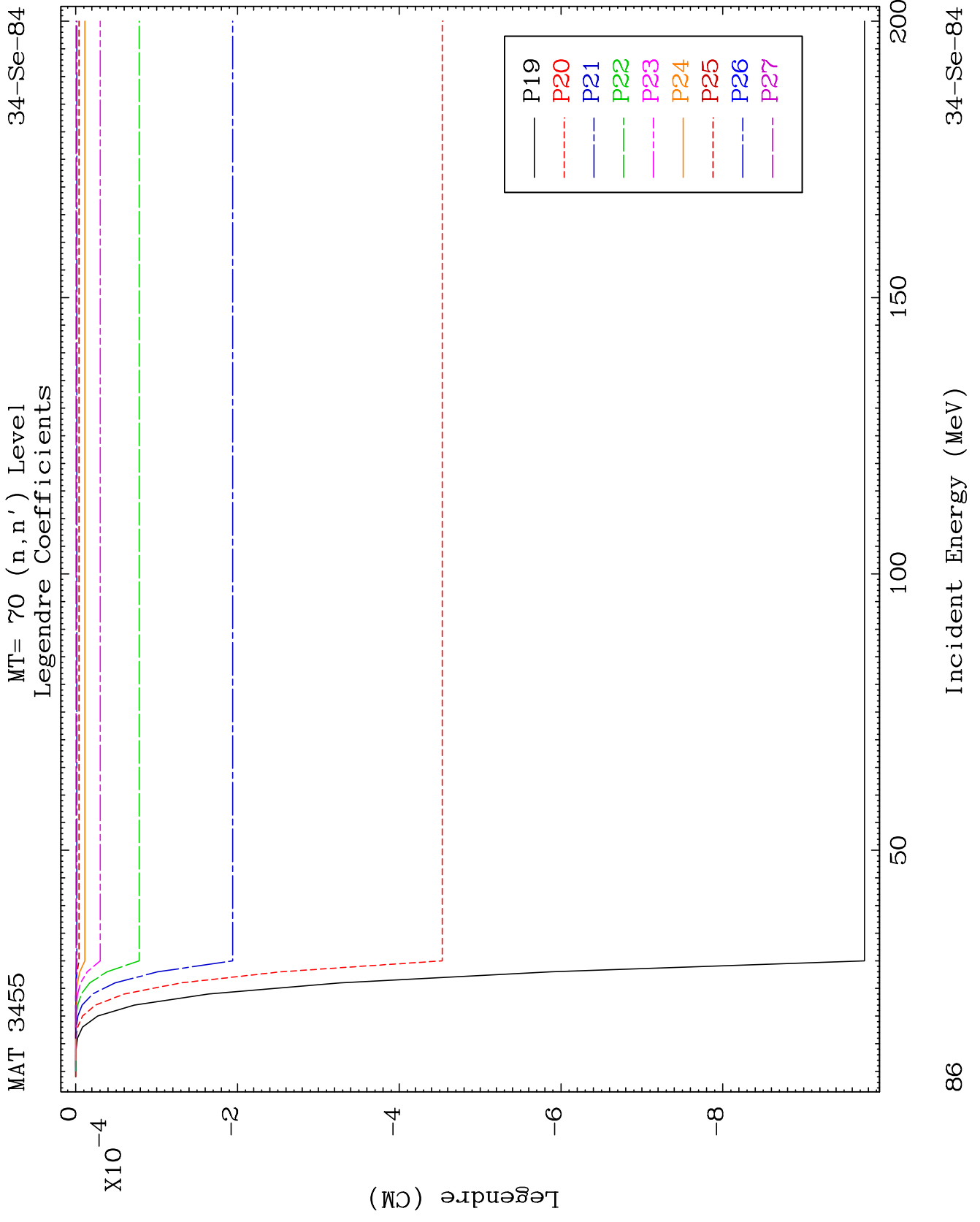


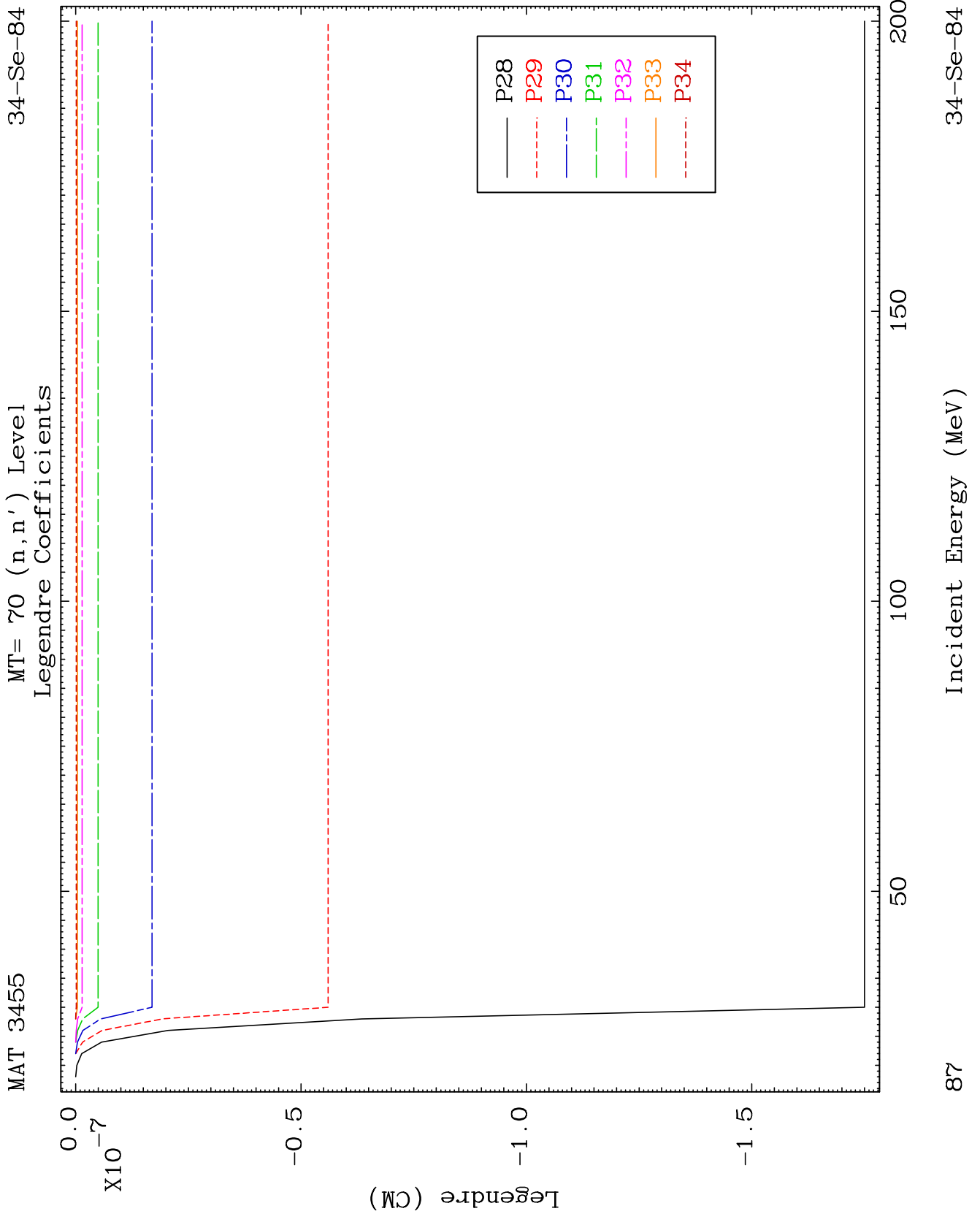
84

Incident Energy (MeV)

³⁴Se-84



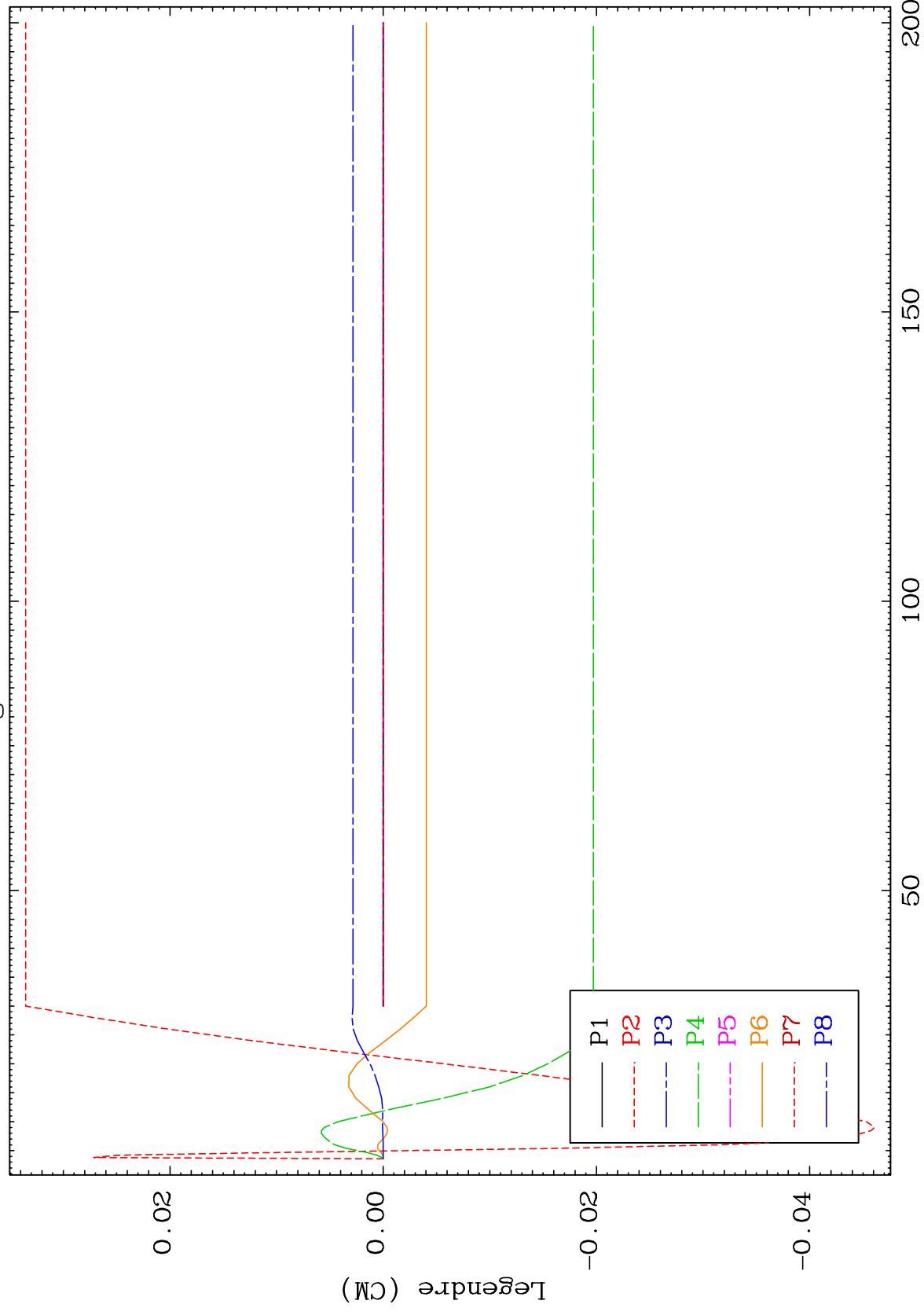




MAT 3455

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

³⁴Se-84



88

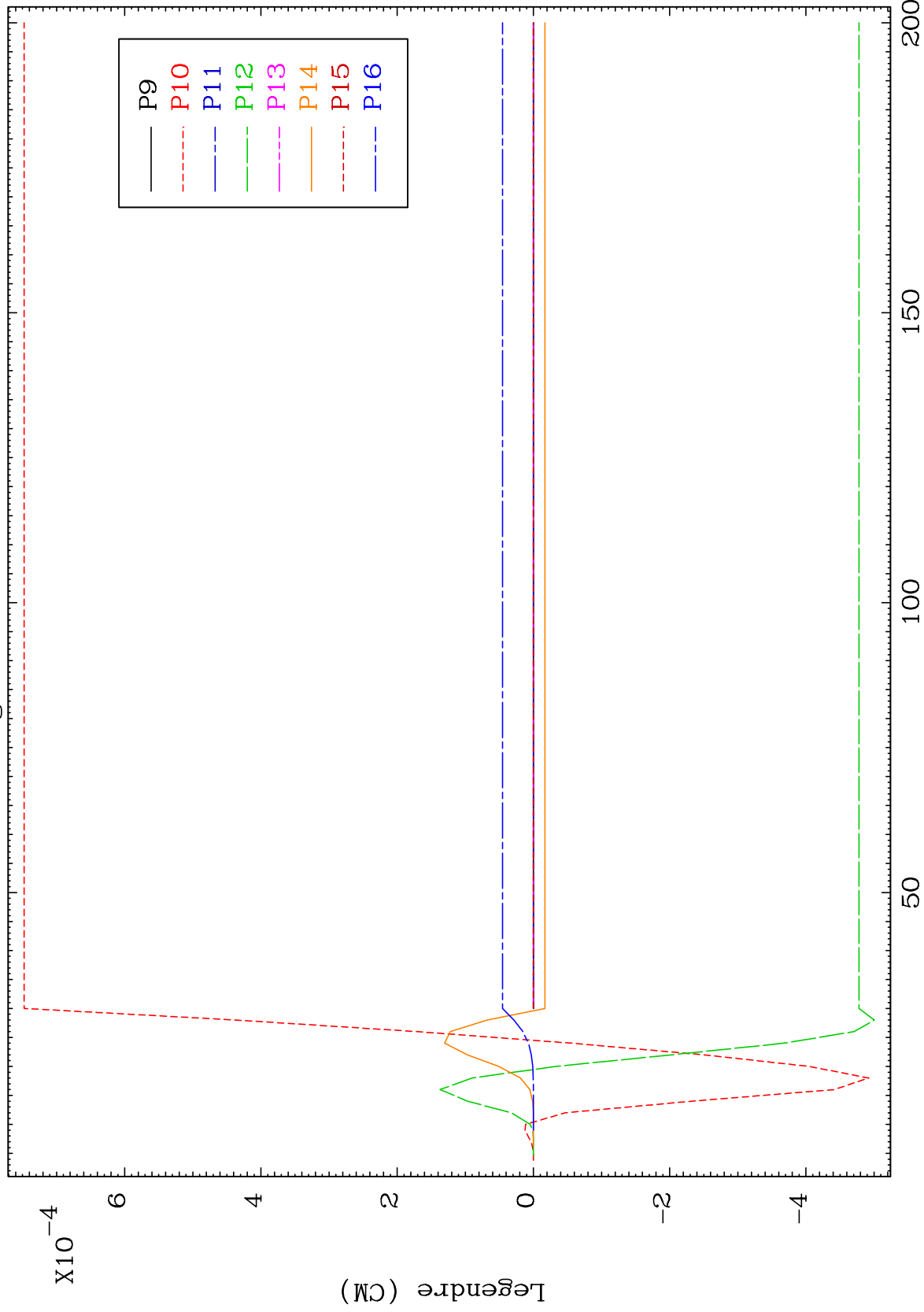
Incident Energy (MeV)

³⁴Se-84

MAT 3455

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

34-Se-84



89

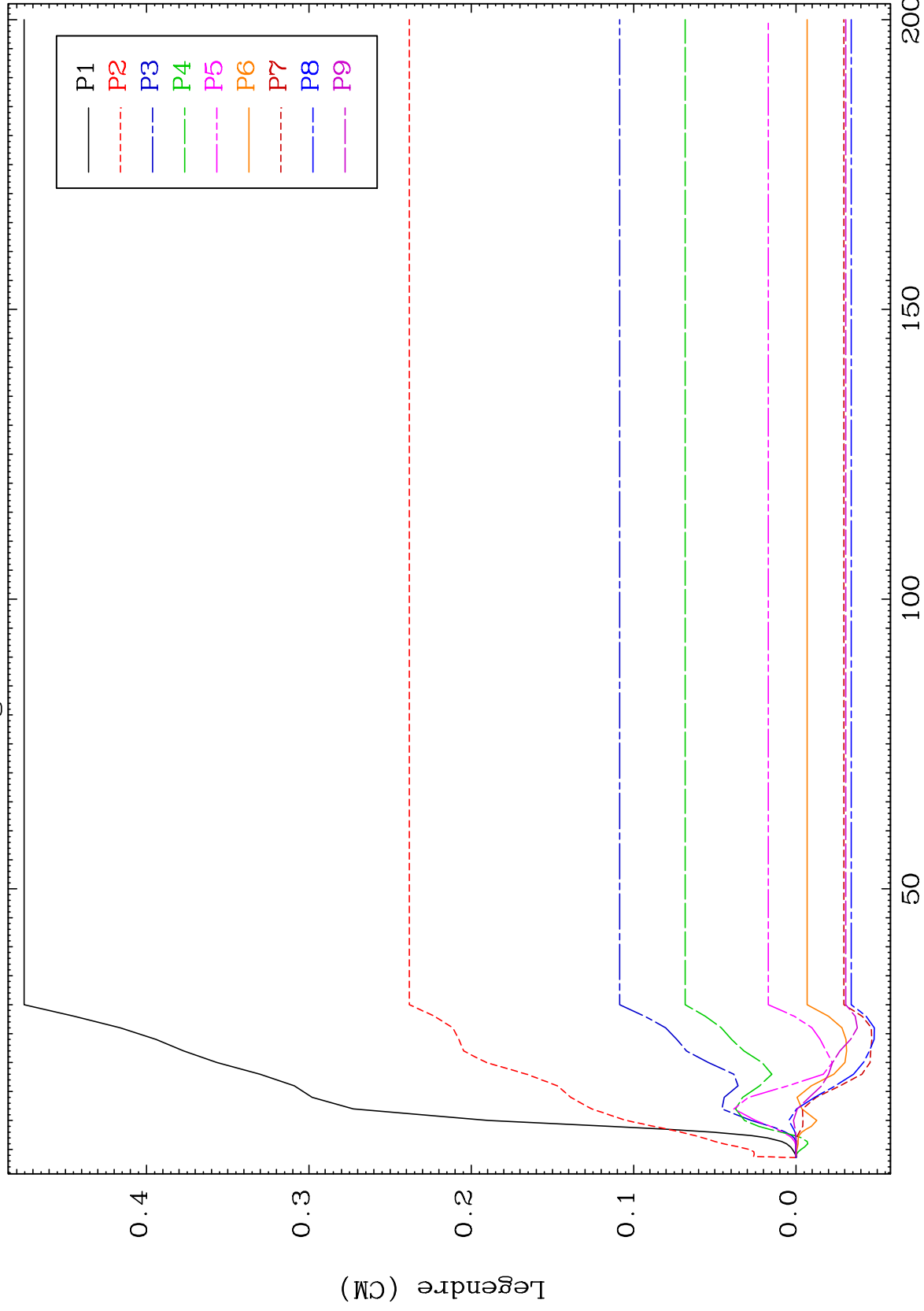
Incident Energy (MeV)

34-Se-84

MAT 3455

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

³⁴Se-84



91

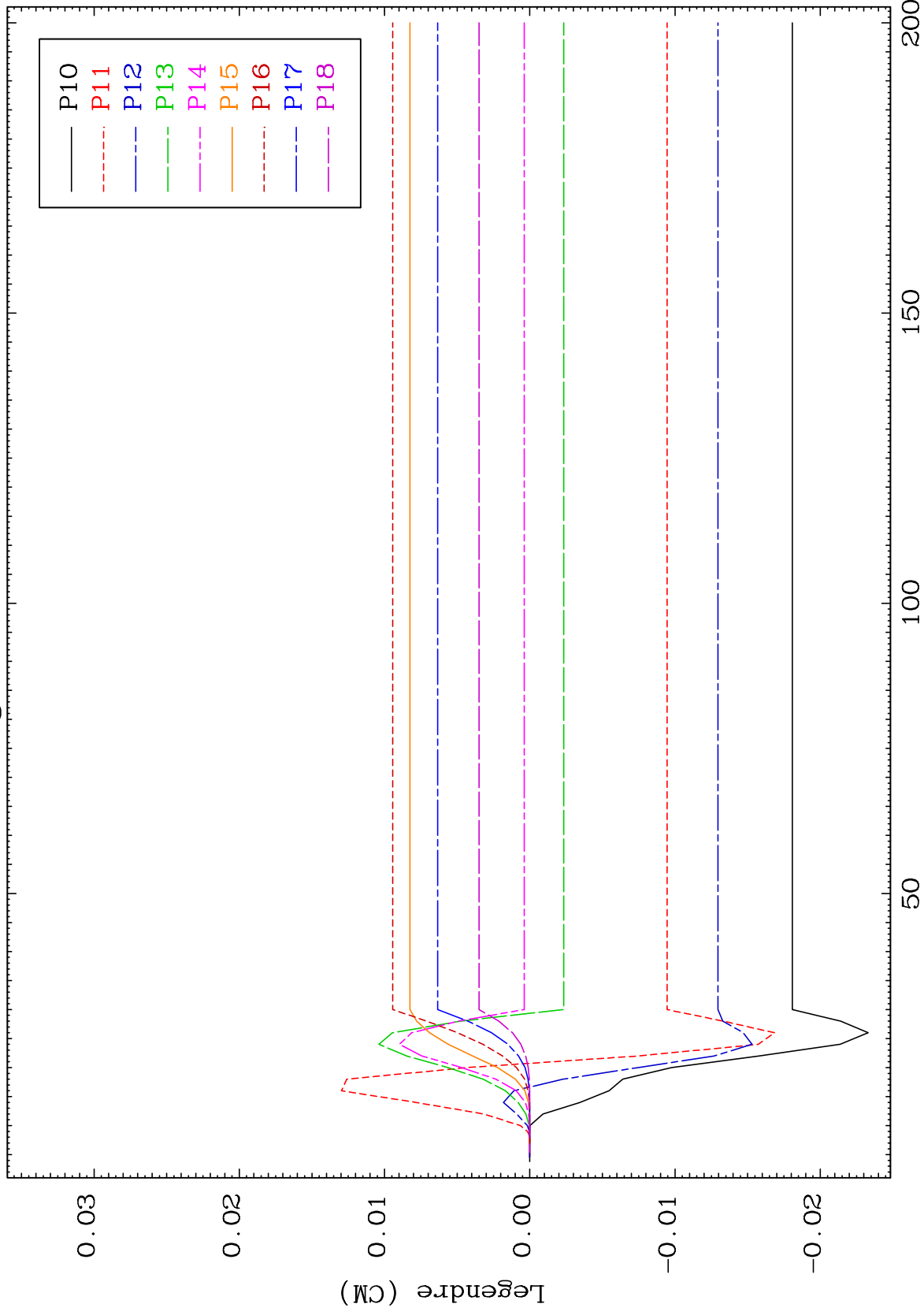
Incident Energy (MeV)

³⁴Se-84

MAT 3455

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

34-Se-84



92

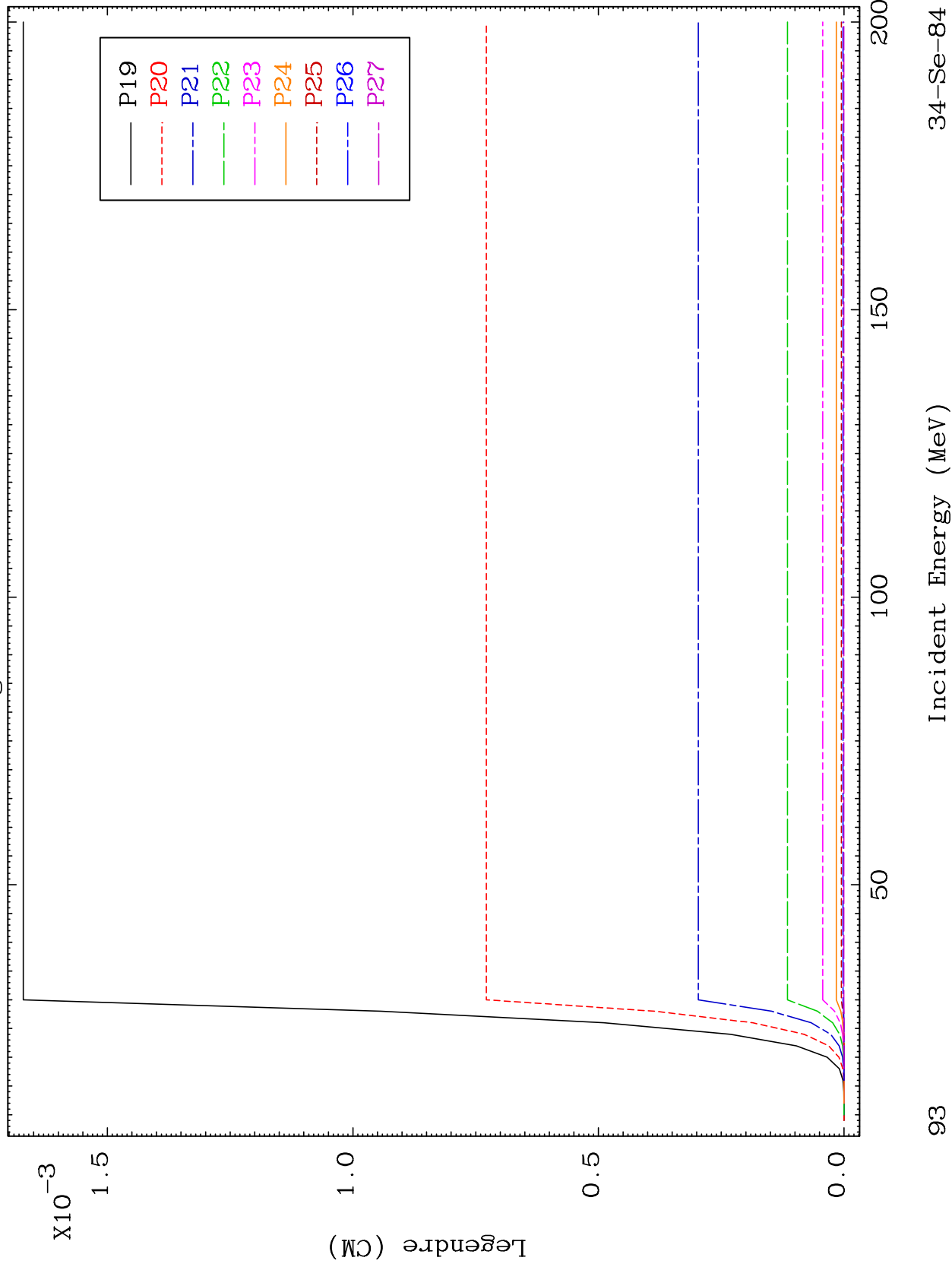
Incident Energy (MeV)

34-Se-84

MAT 3455

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

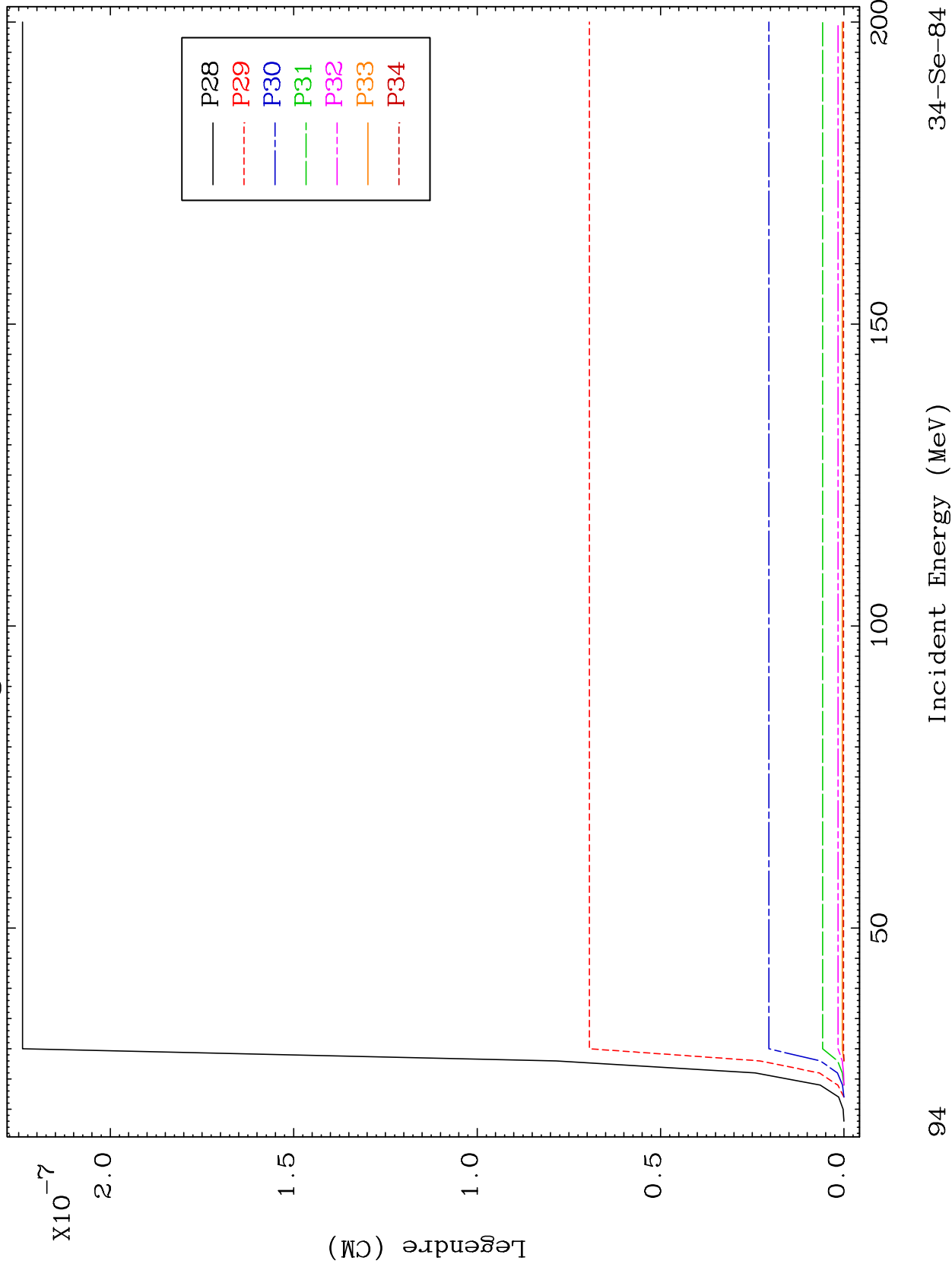
³⁴Se-84



MAT 3455

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

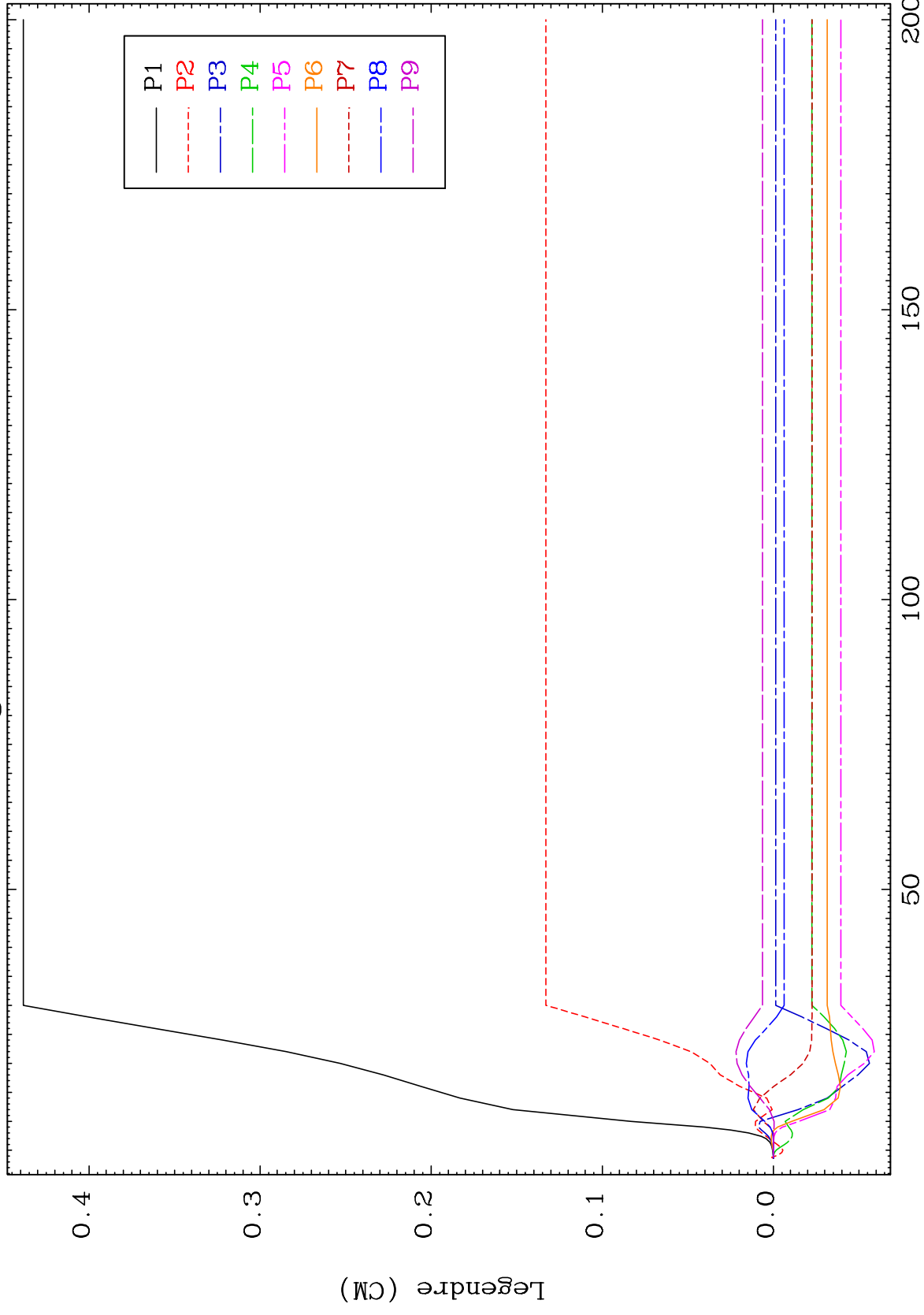
³⁴Se-84



MAT 3455

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

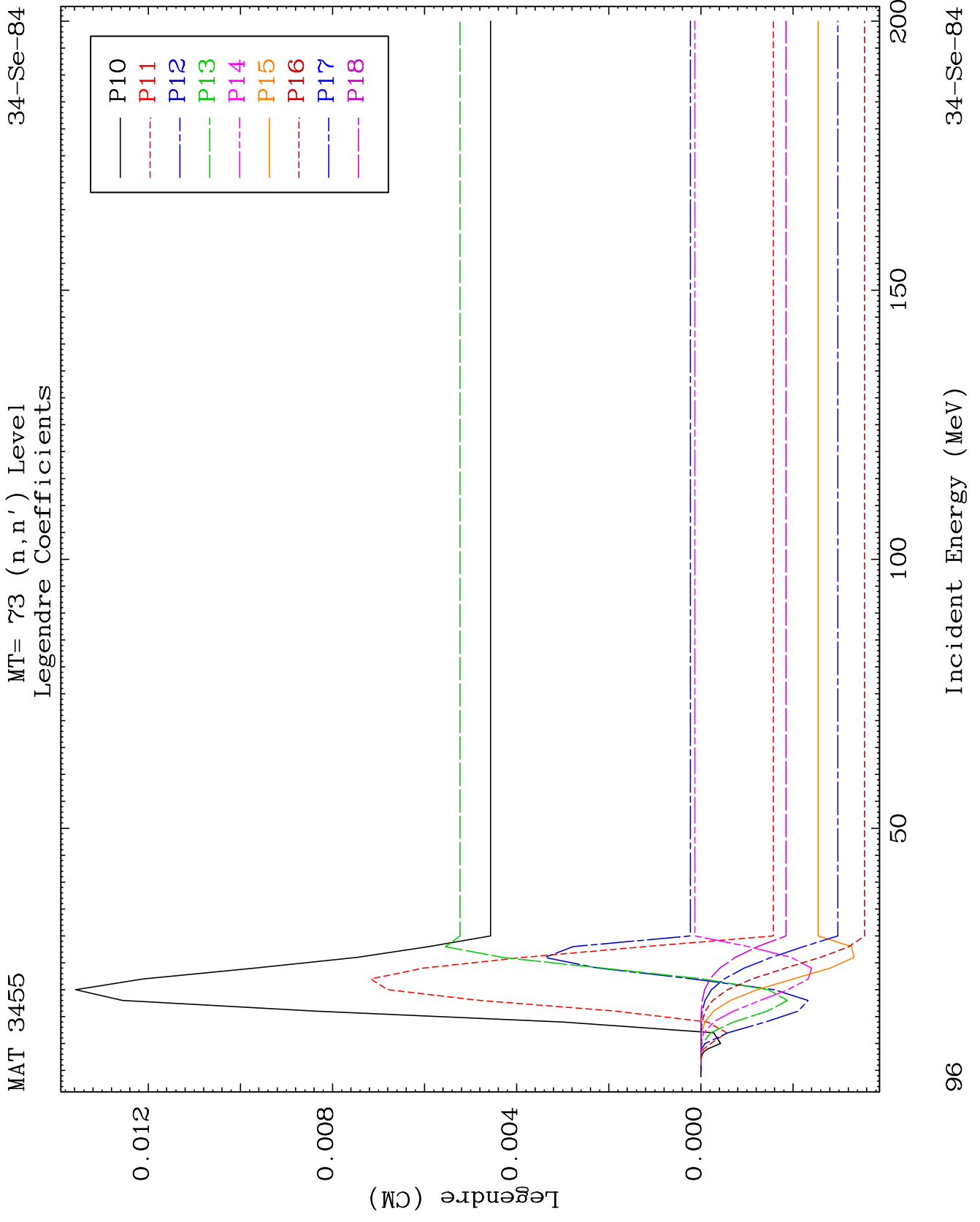
³⁴Se-84



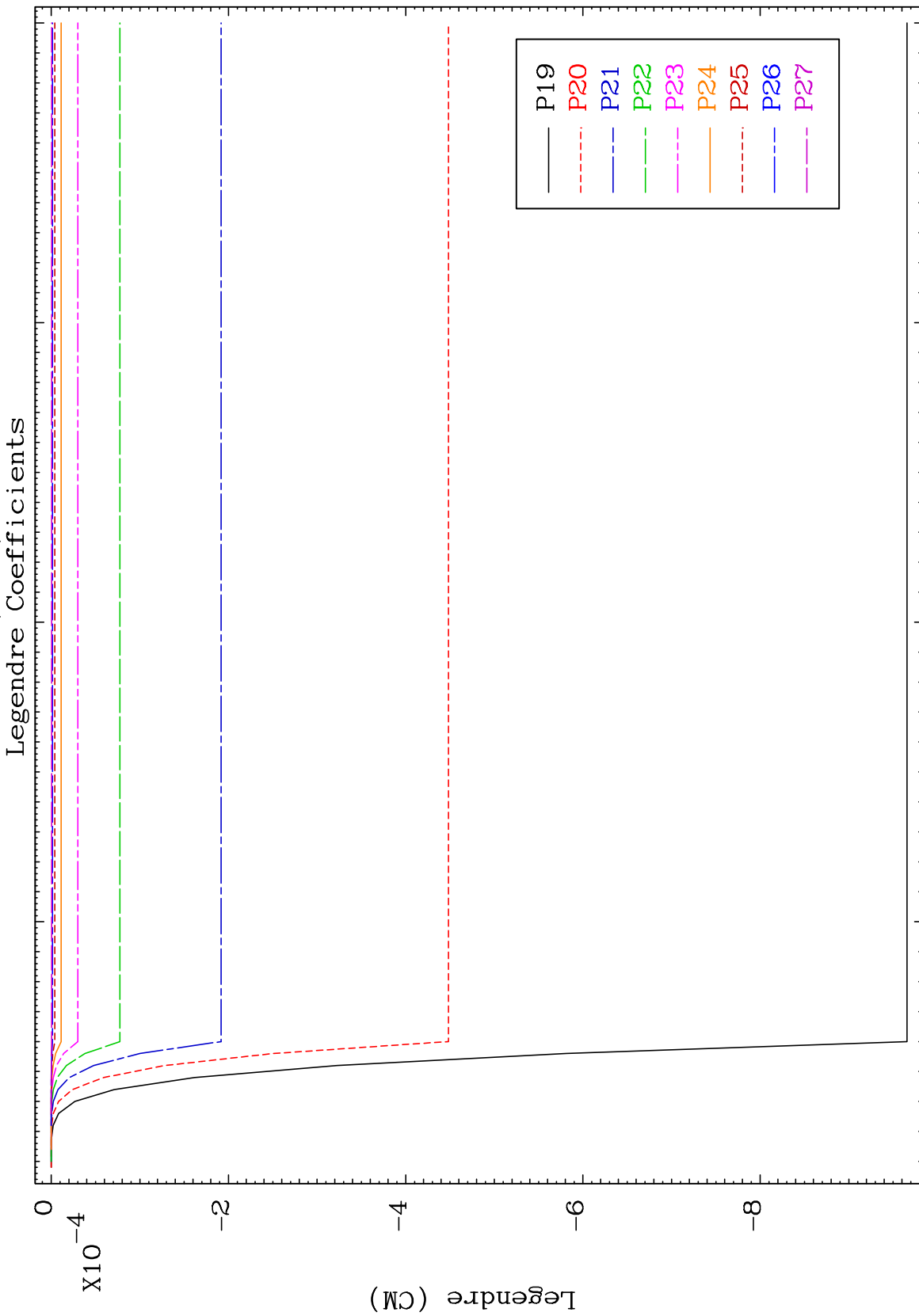
95

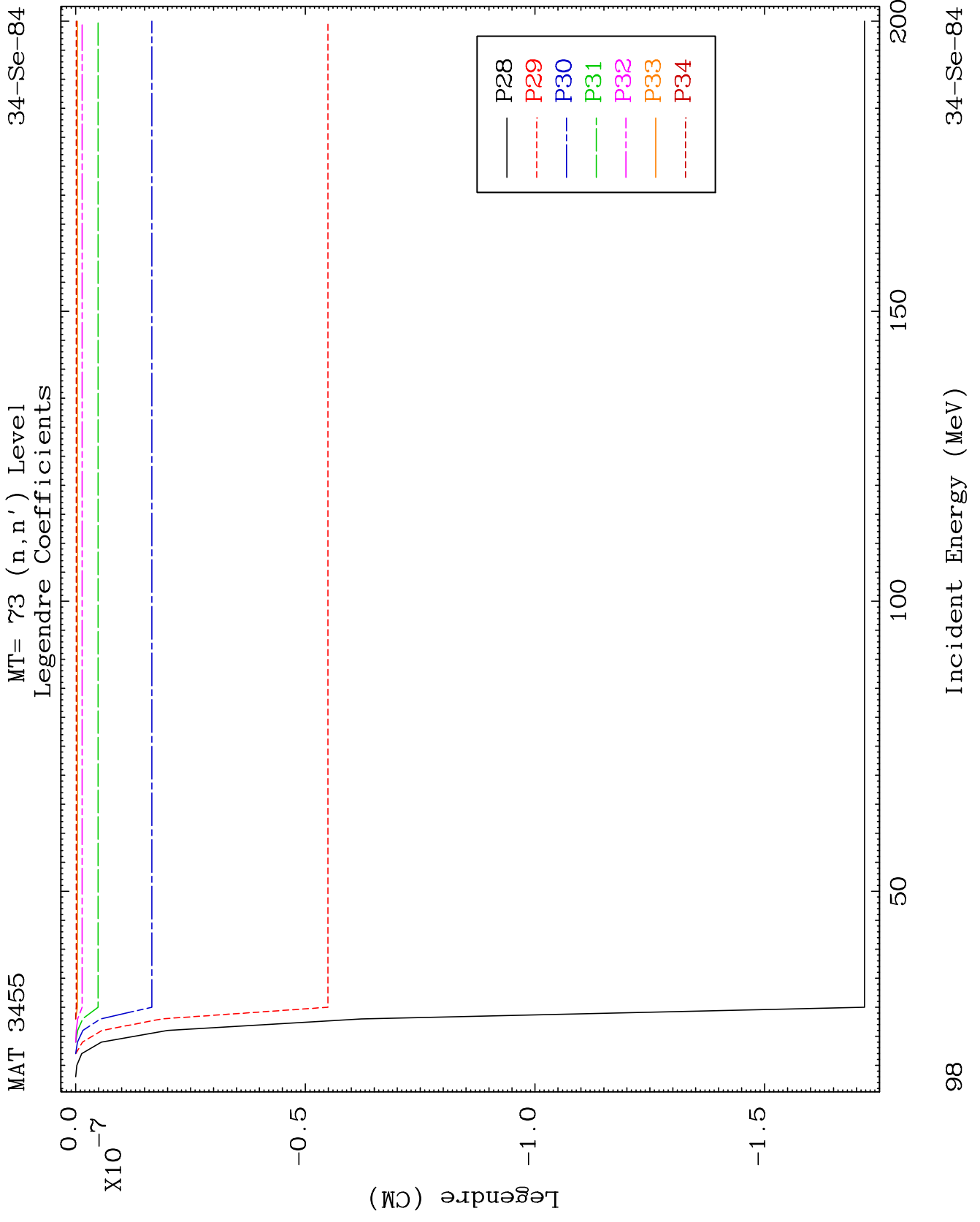
Incident Energy (MeV)

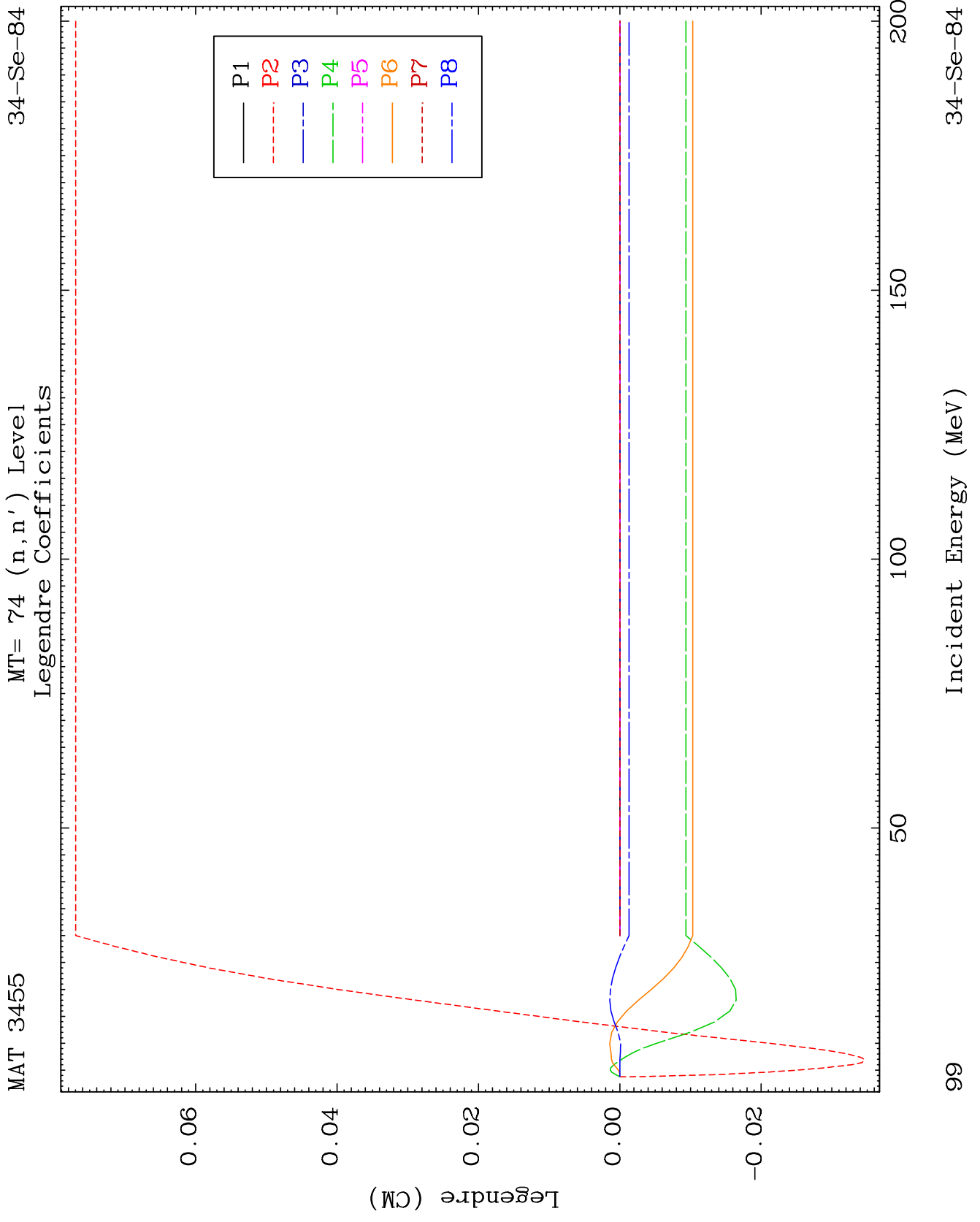
³⁴Se-84



MAT 3455 MT= 73 (n,n') Level 34-Se-84



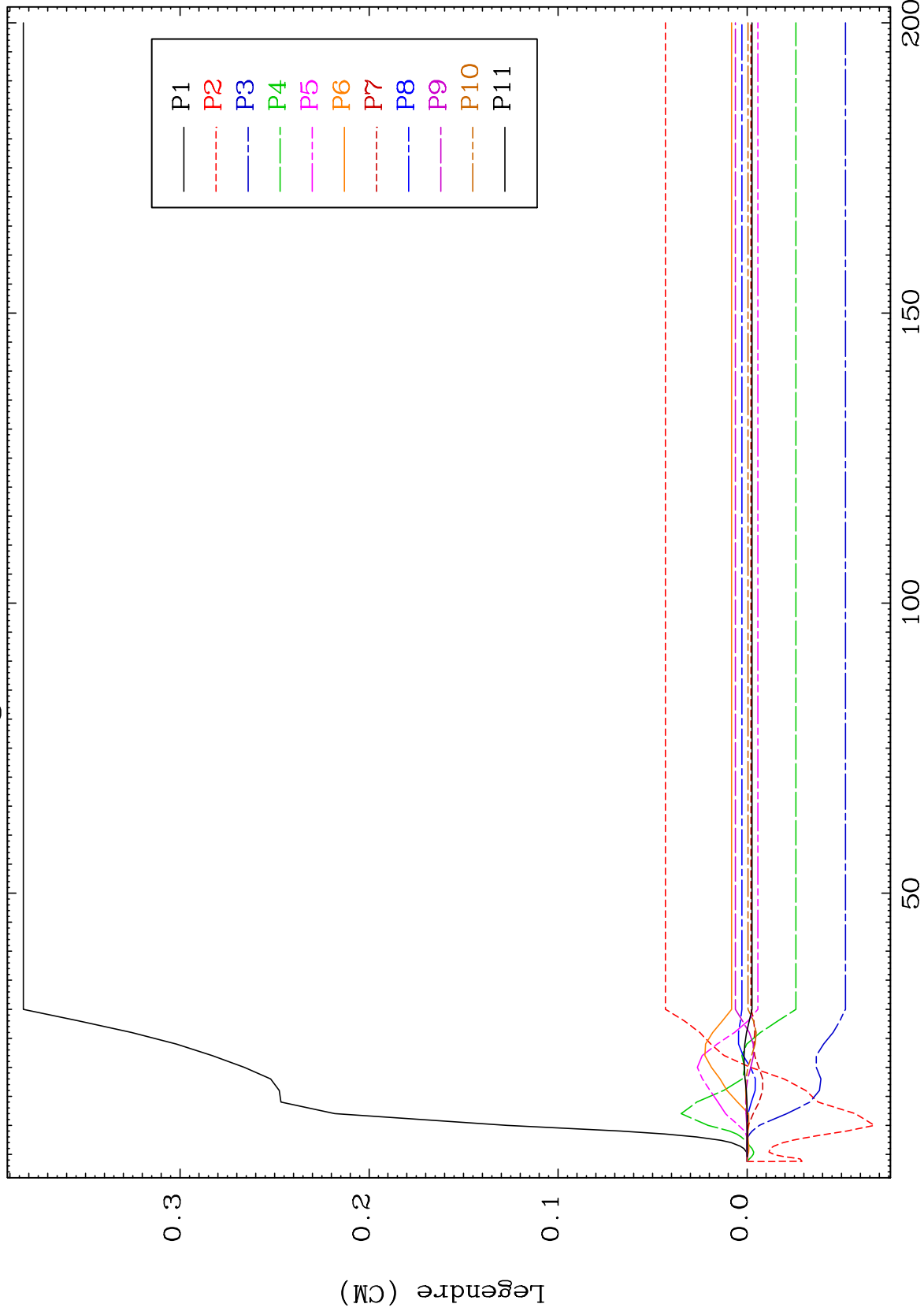




MAT 3455

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

34-Se-84



102

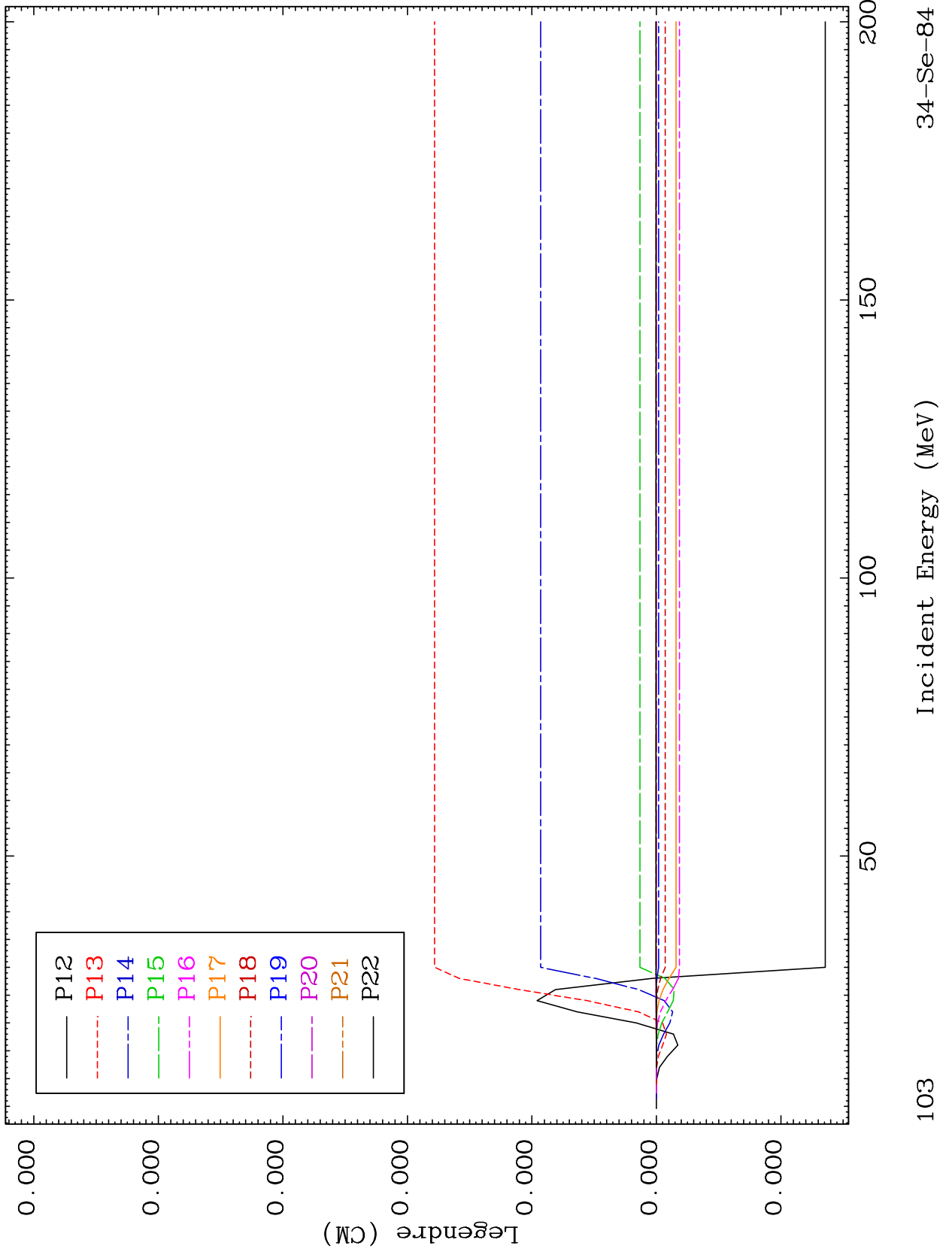
Incident Energy (MeV)

34-Se-84

MAT 3455

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

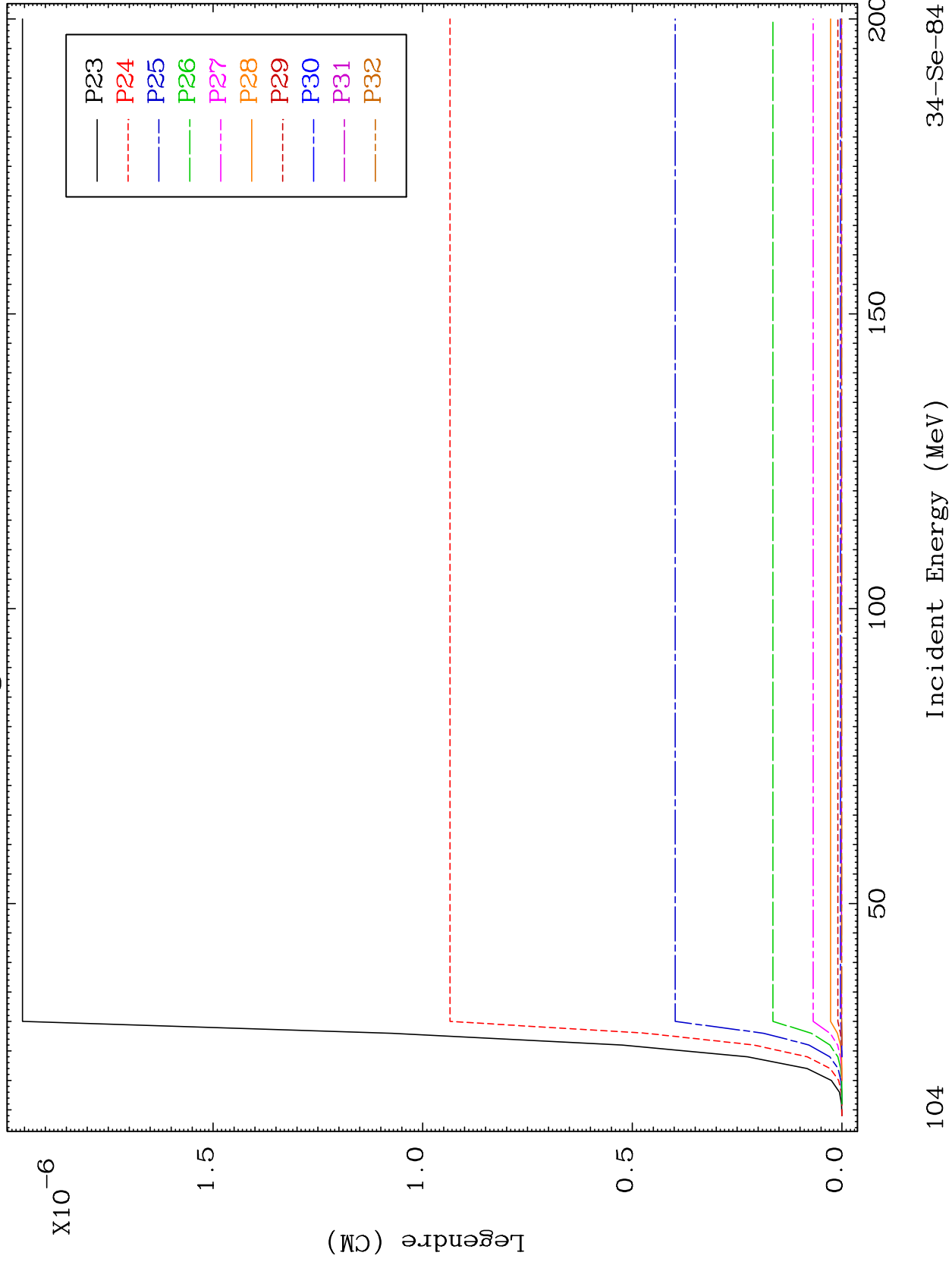
34-Se-84



MAT 3455

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

³⁴Se-84

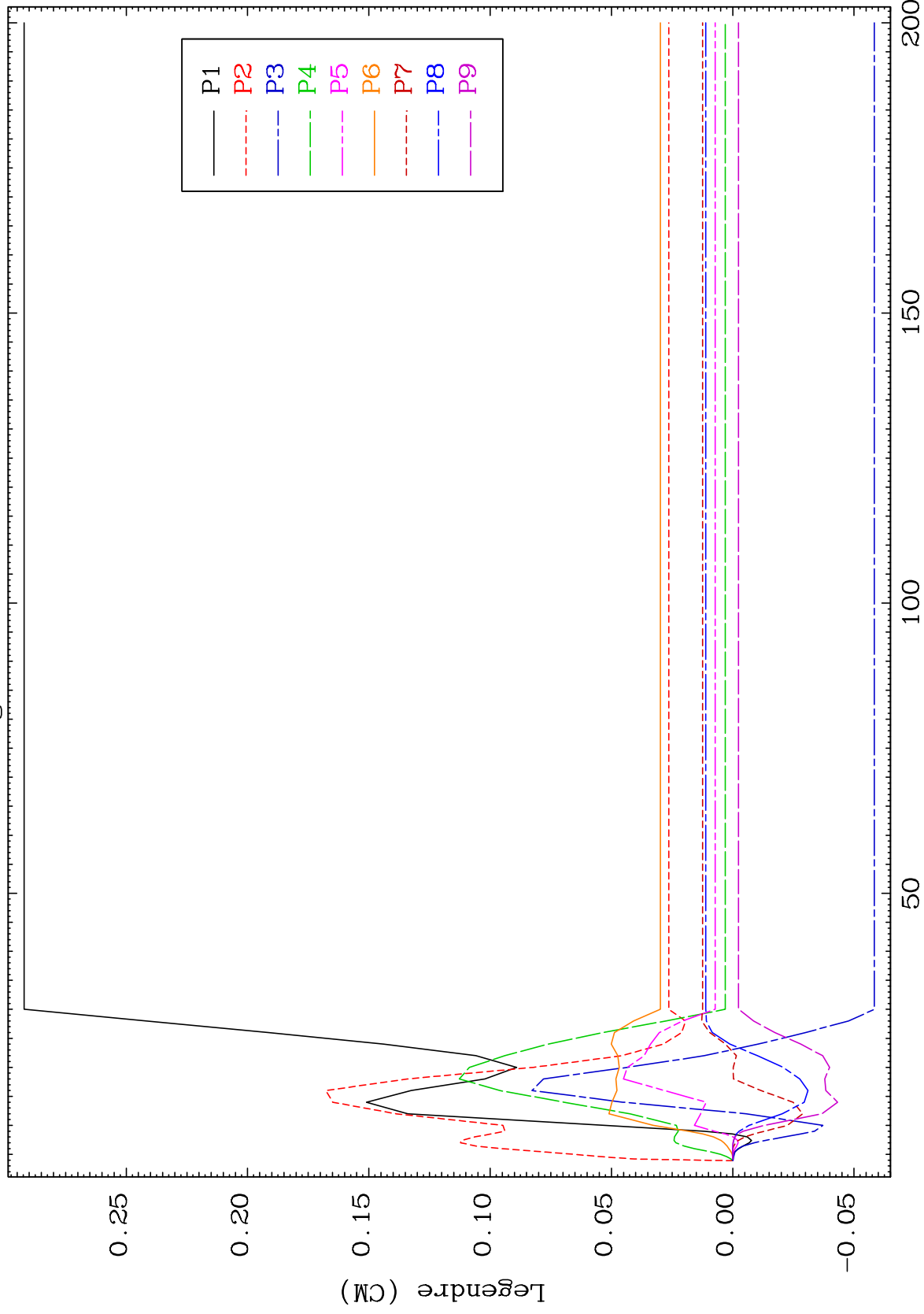


104

MAT 3455

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

³⁴Se-84



105

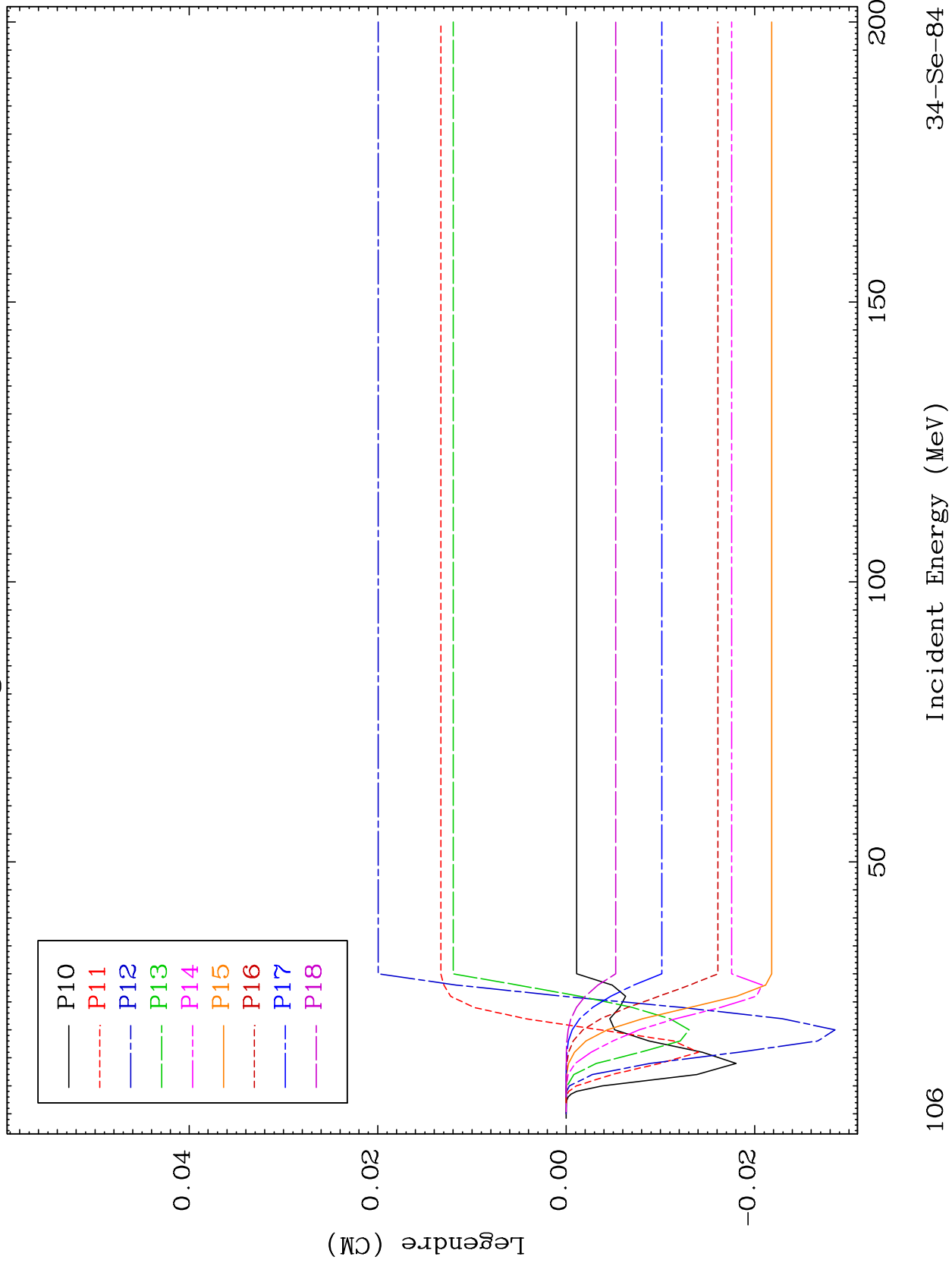
Incident Energy (MeV)

³⁴Se-84

MAT 3455

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

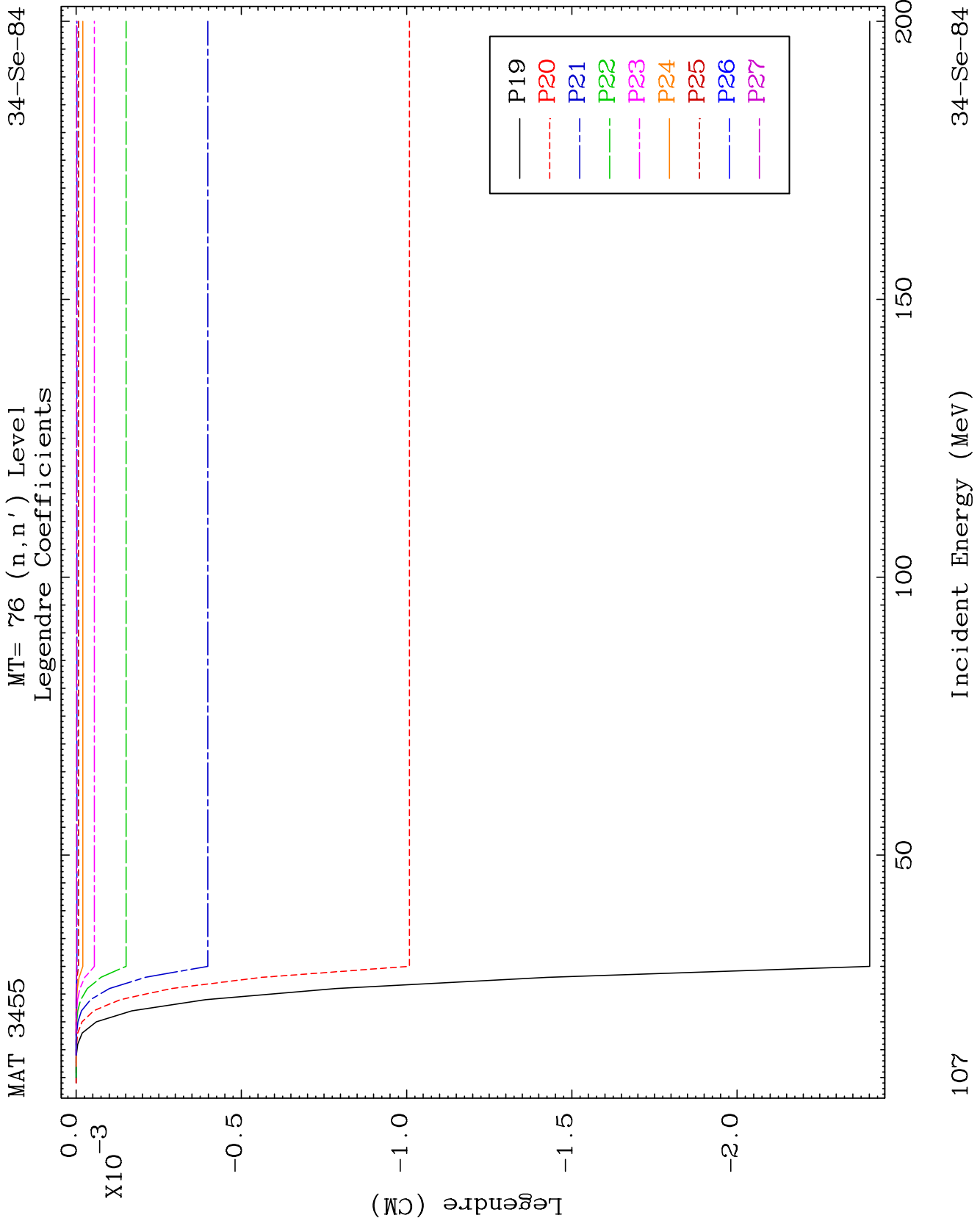
³⁴Se-84

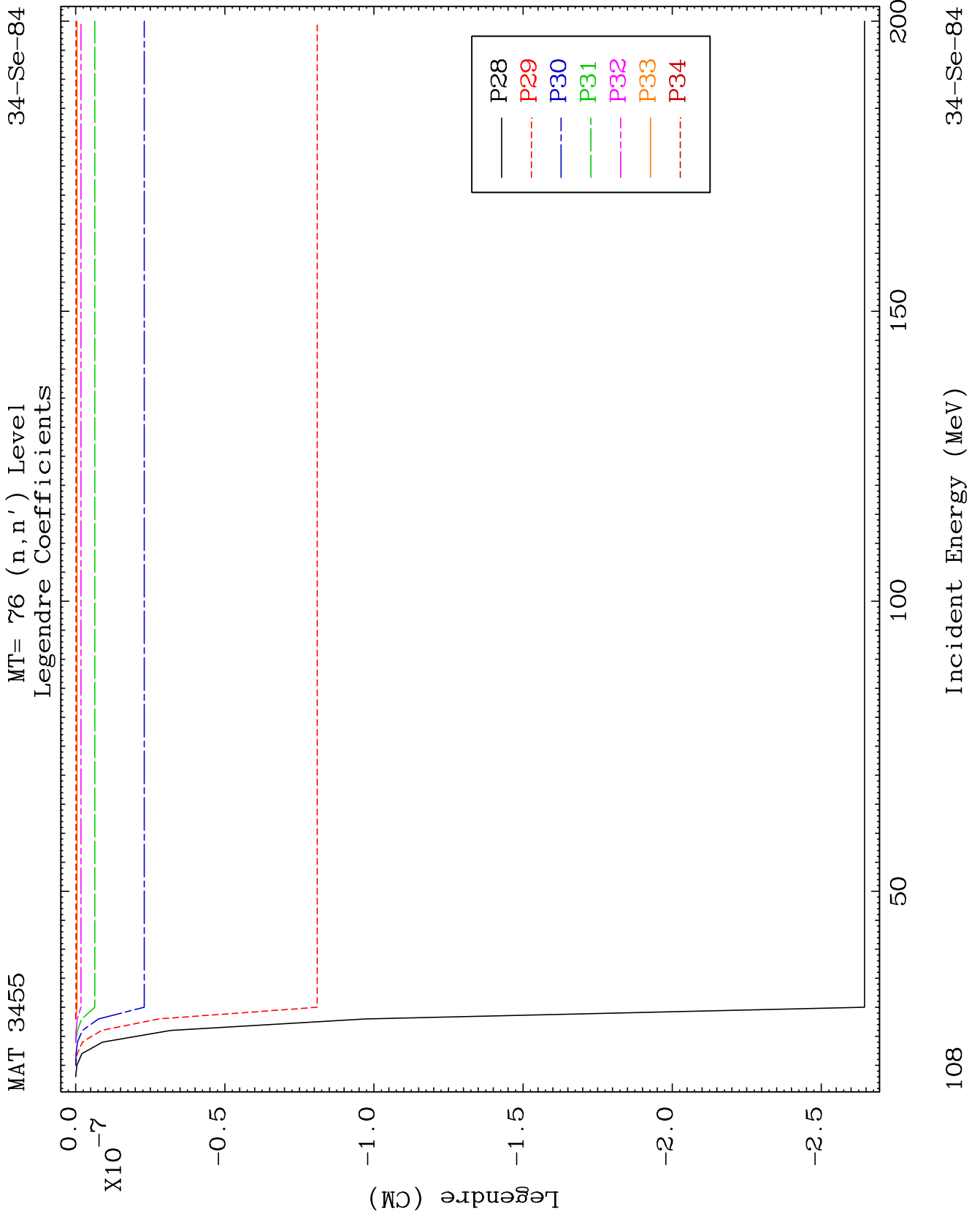


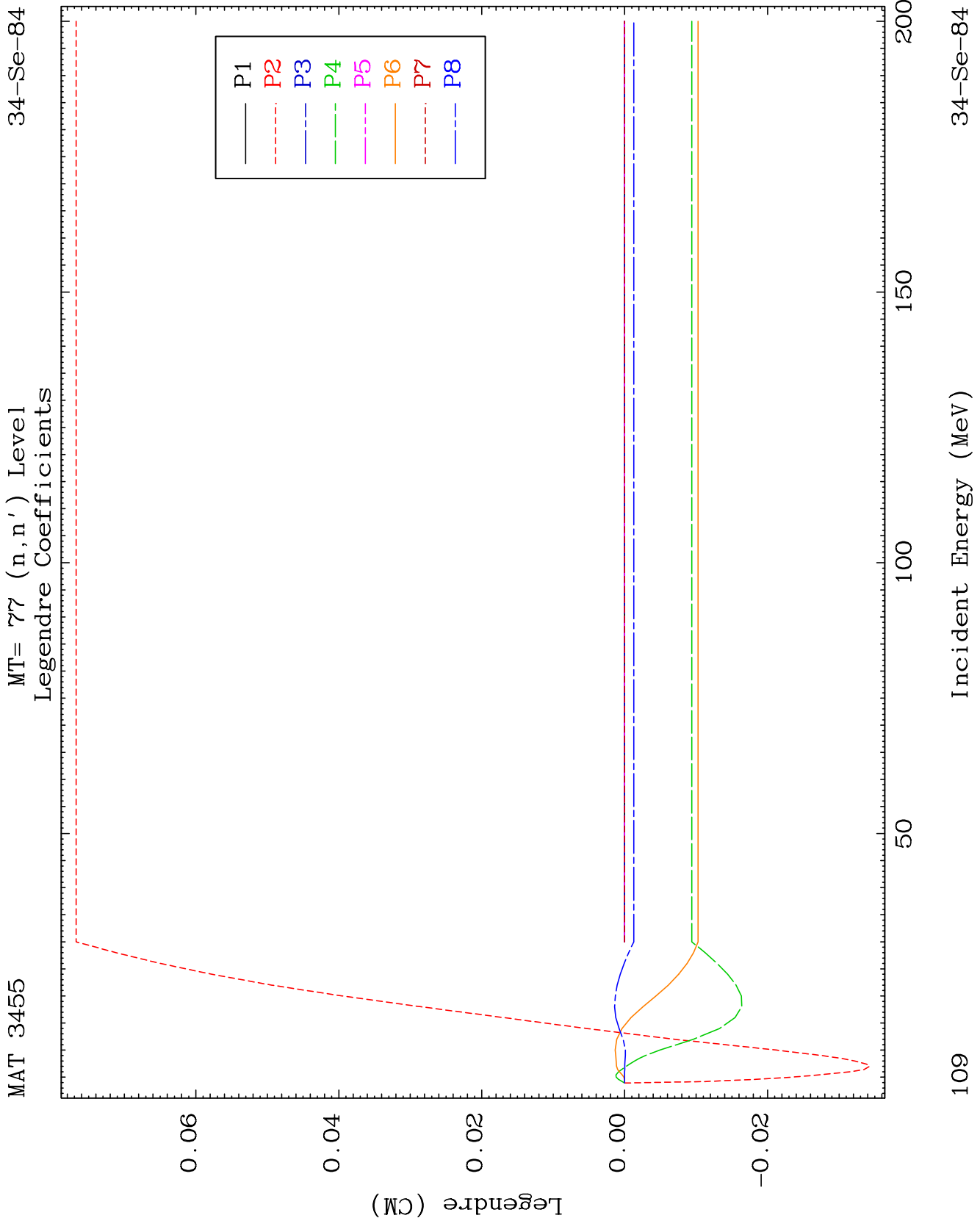
106

Incident Energy (MeV)

³⁴Se-84



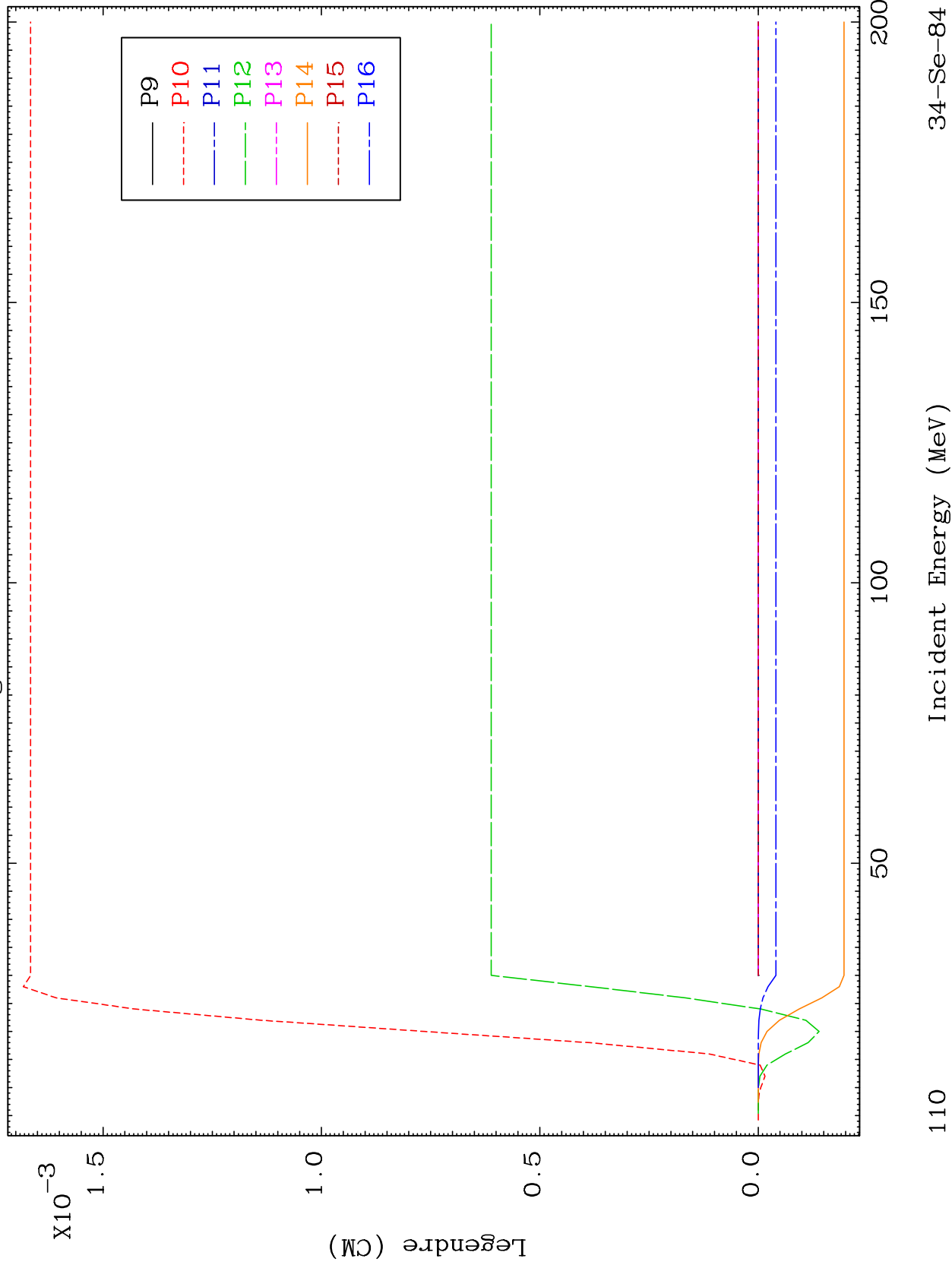




MAT 3455

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

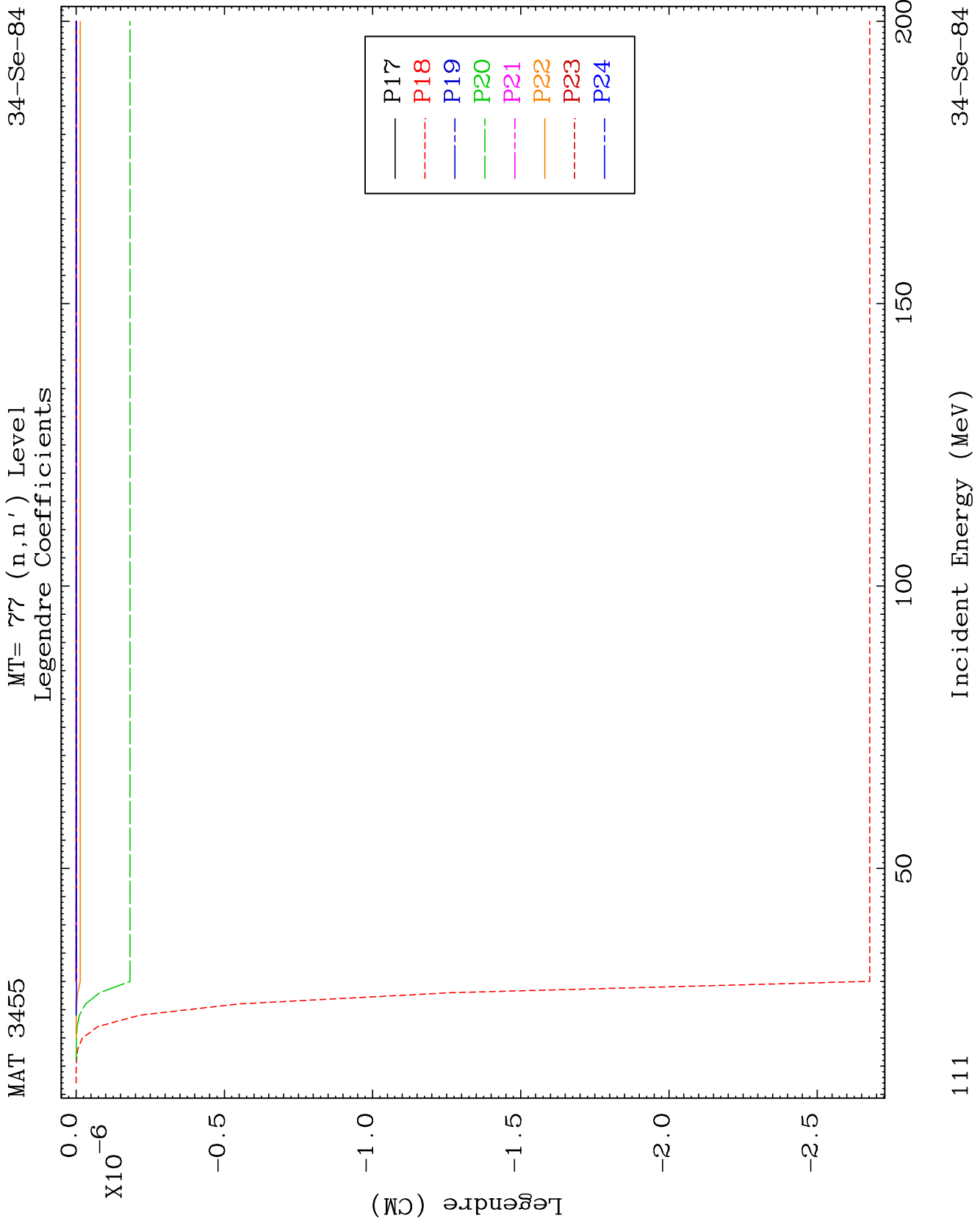
34-Se-84

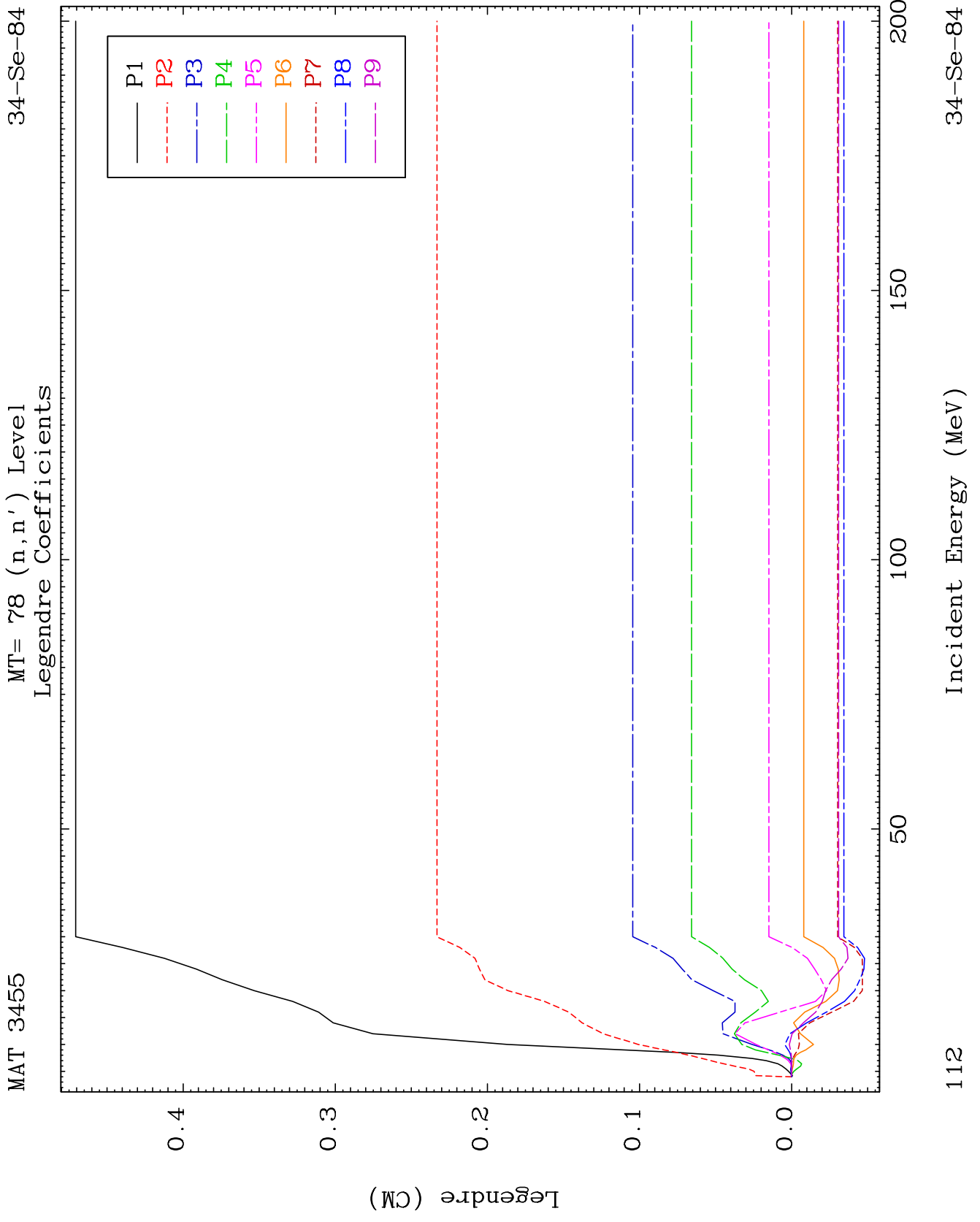


110

Incident Energy (MeV)

34-Se-84

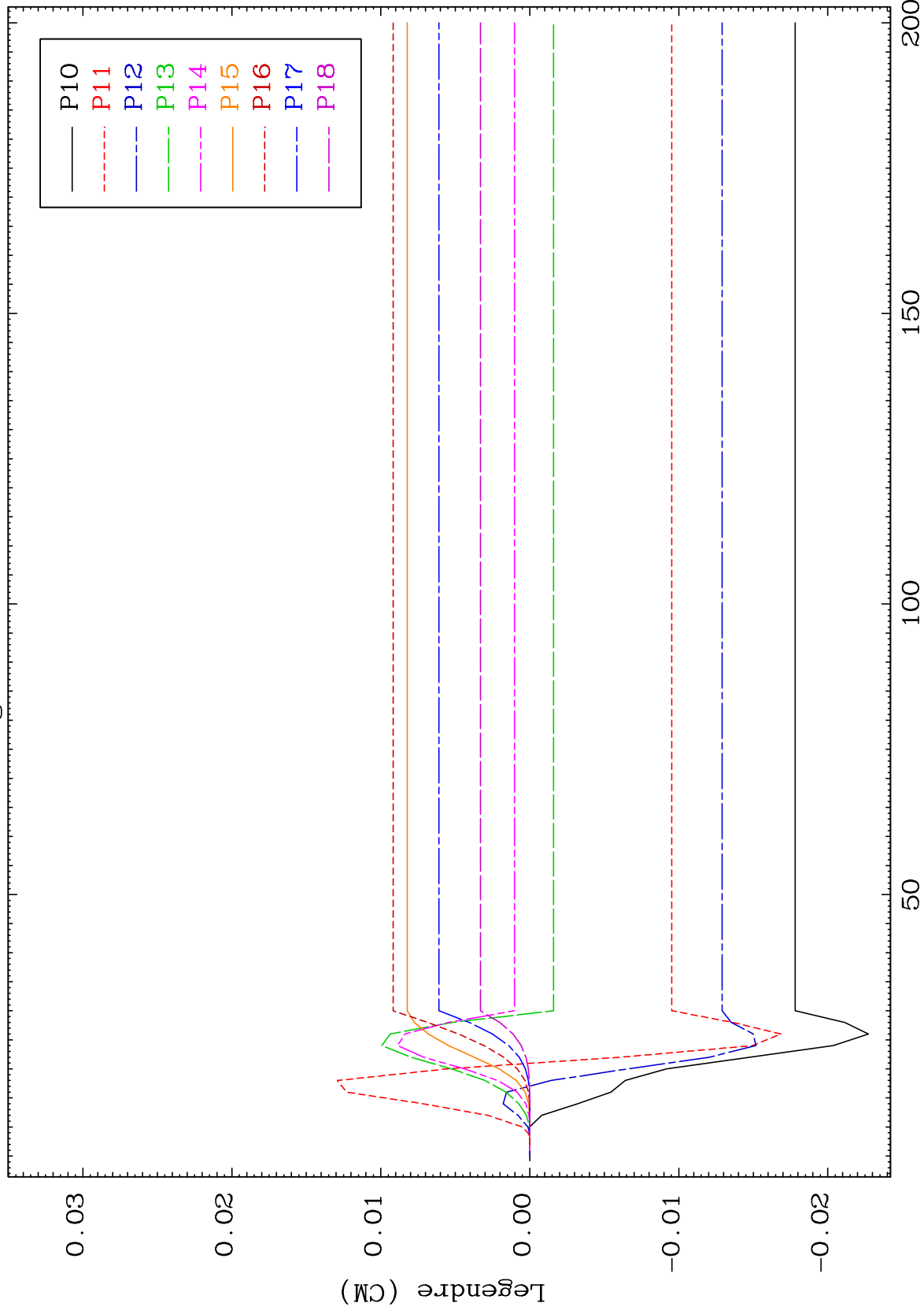




MAT 3455

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

³⁴Se-84



113

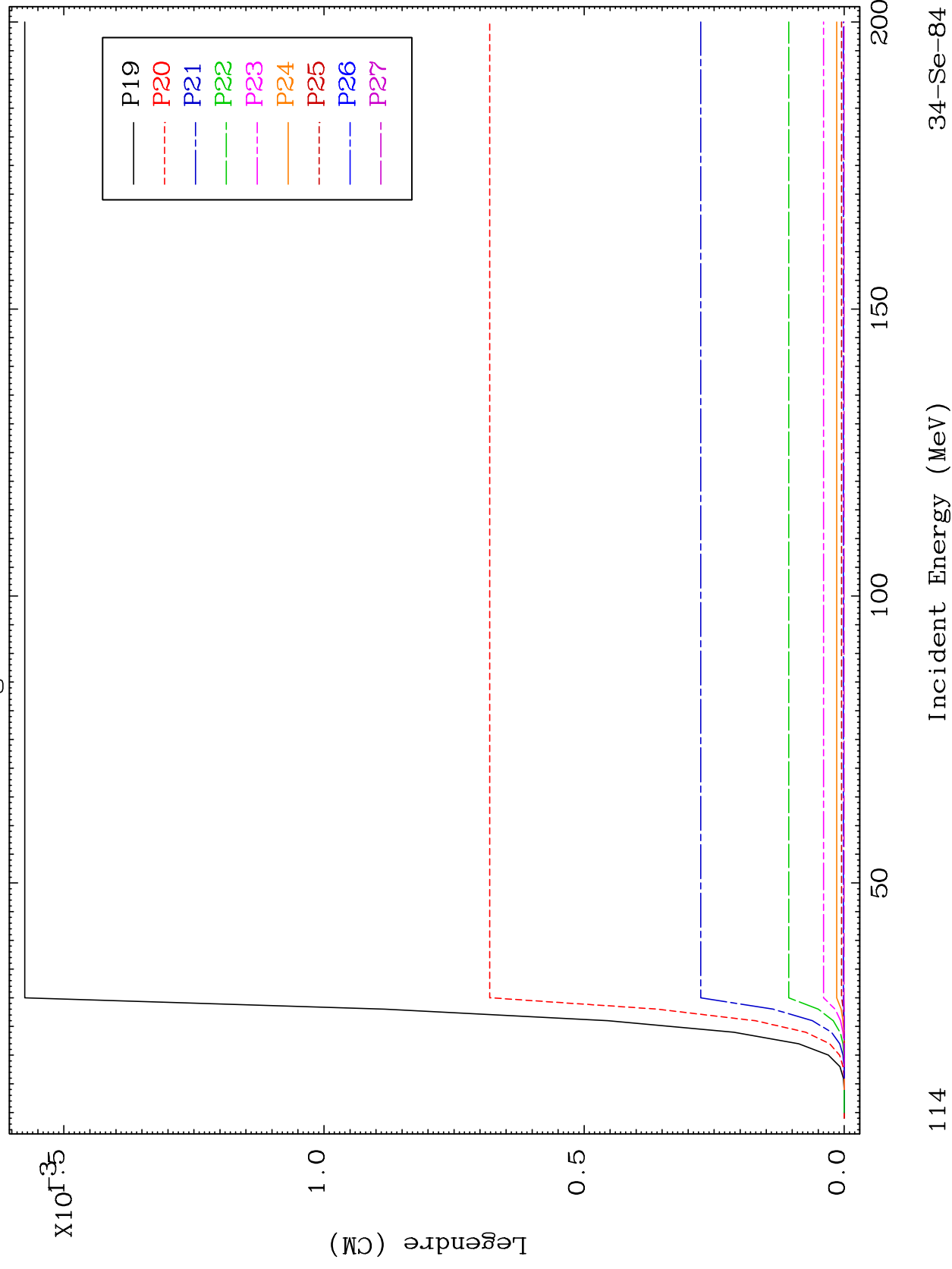
Incident Energy (MeV)

³⁴Se-84

MAT 3455

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

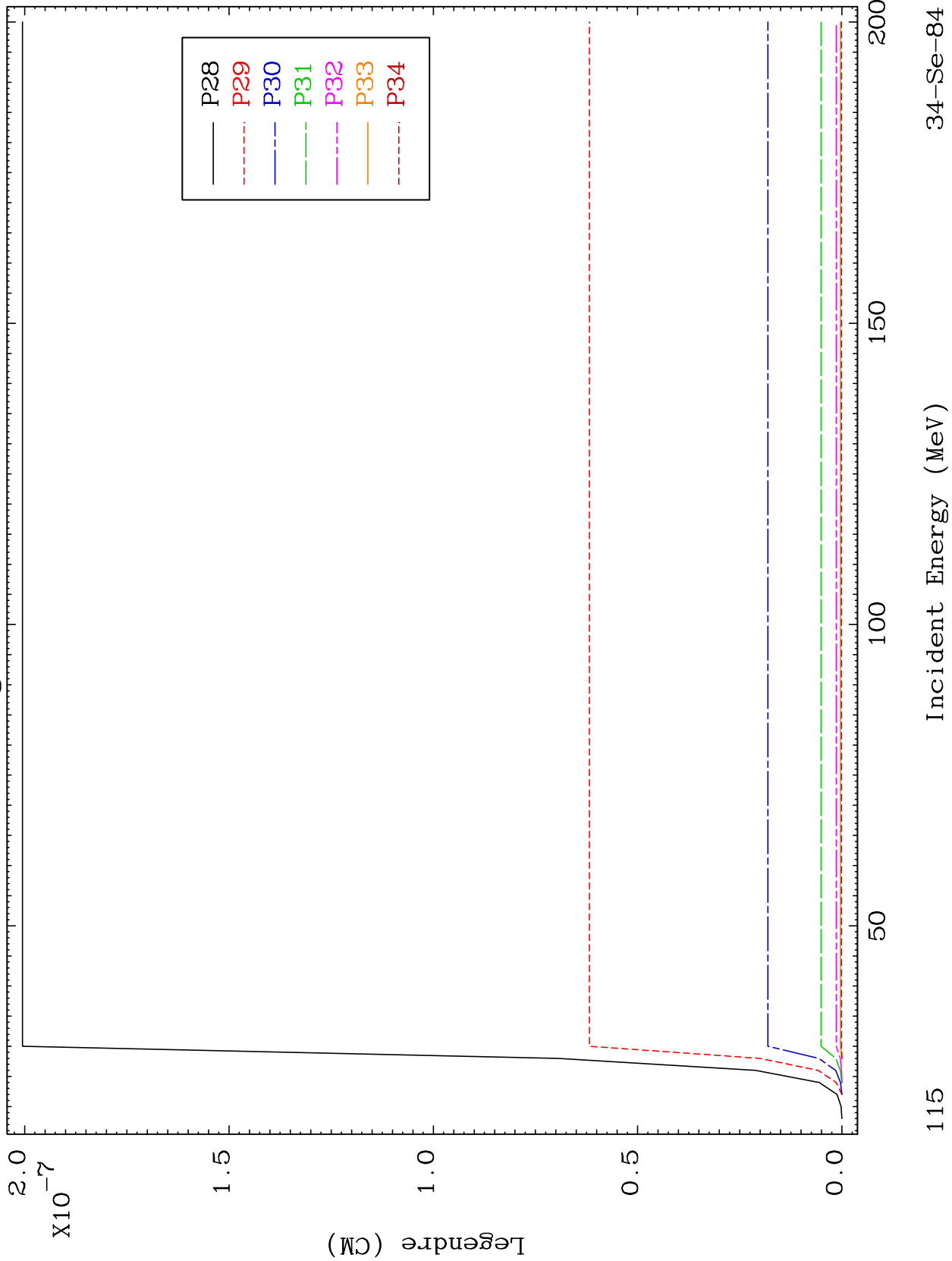
34-Se-84

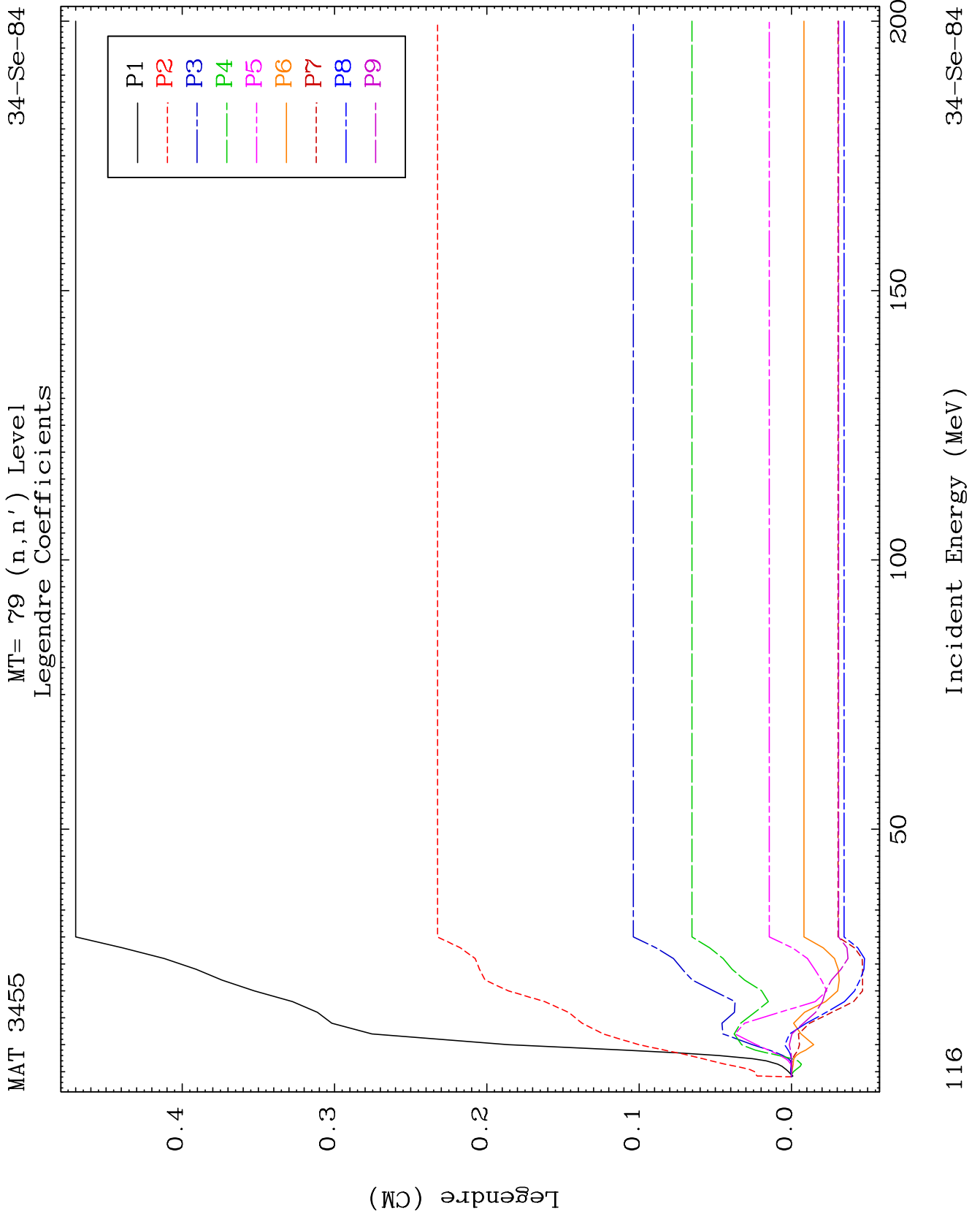


MAT 3455

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

³⁴Se-84

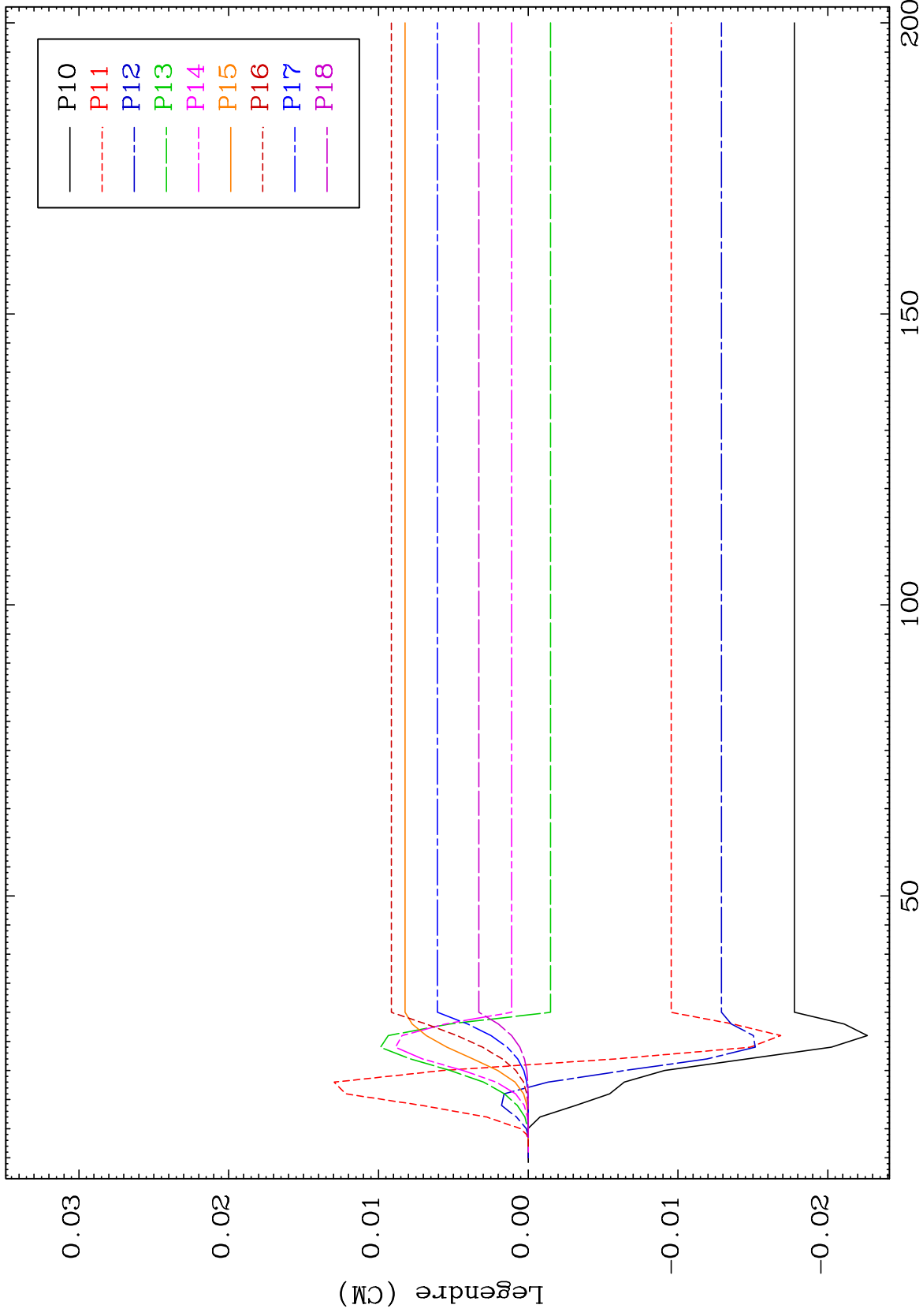




MAT 3455

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

³⁴Se-84



117

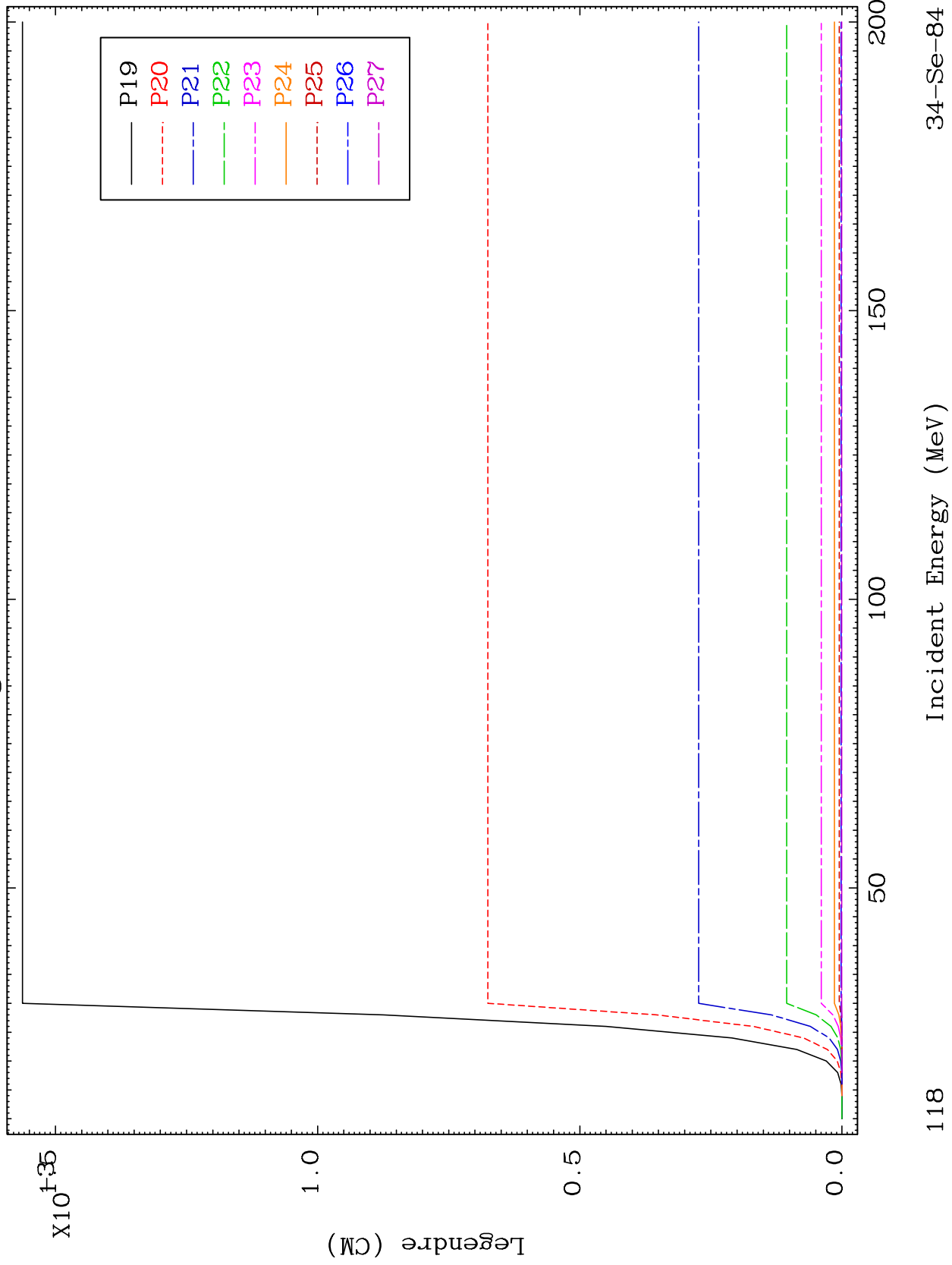
Incident Energy (MeV)

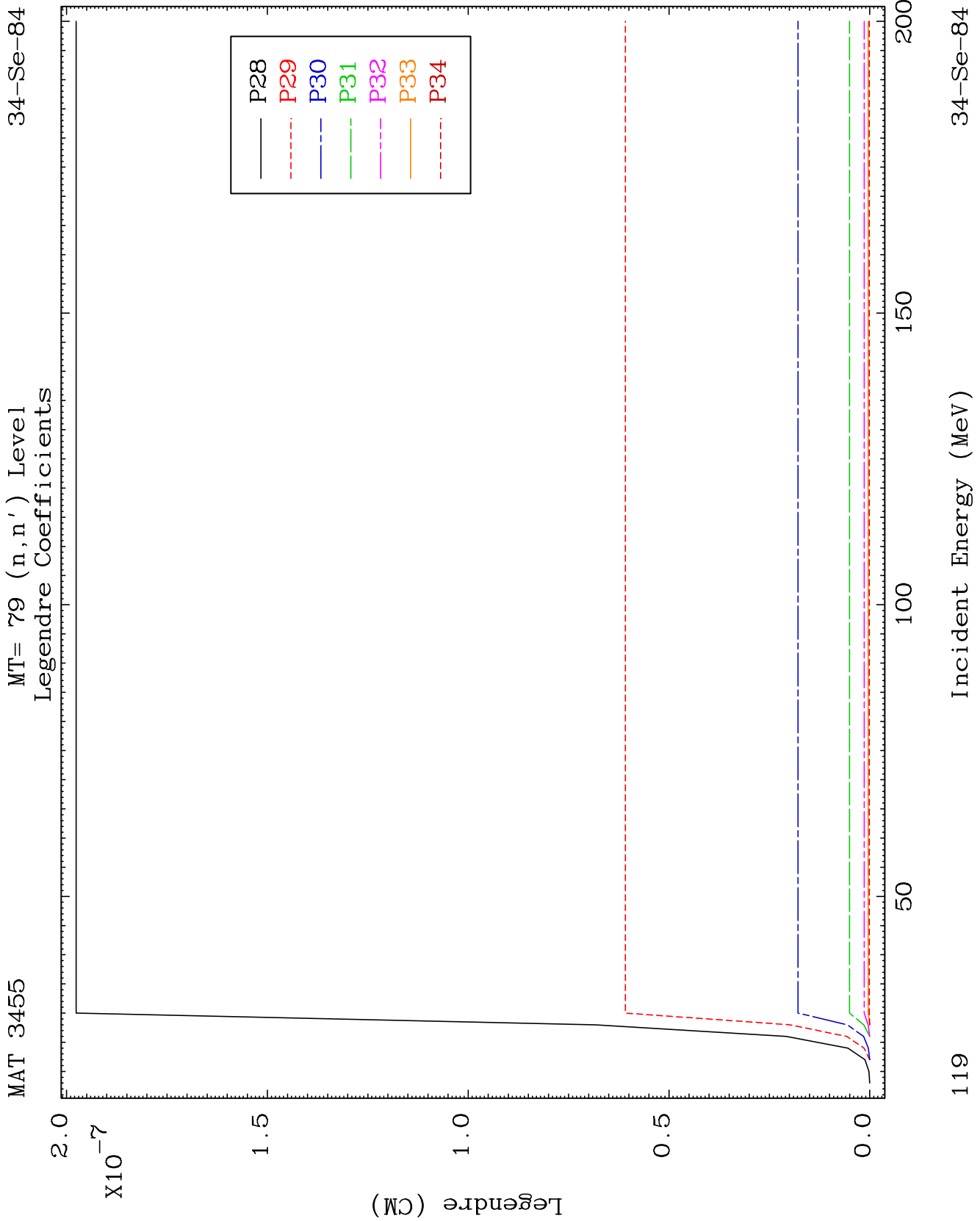
³⁴Se-84

MAT 3455

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

34-Se-84

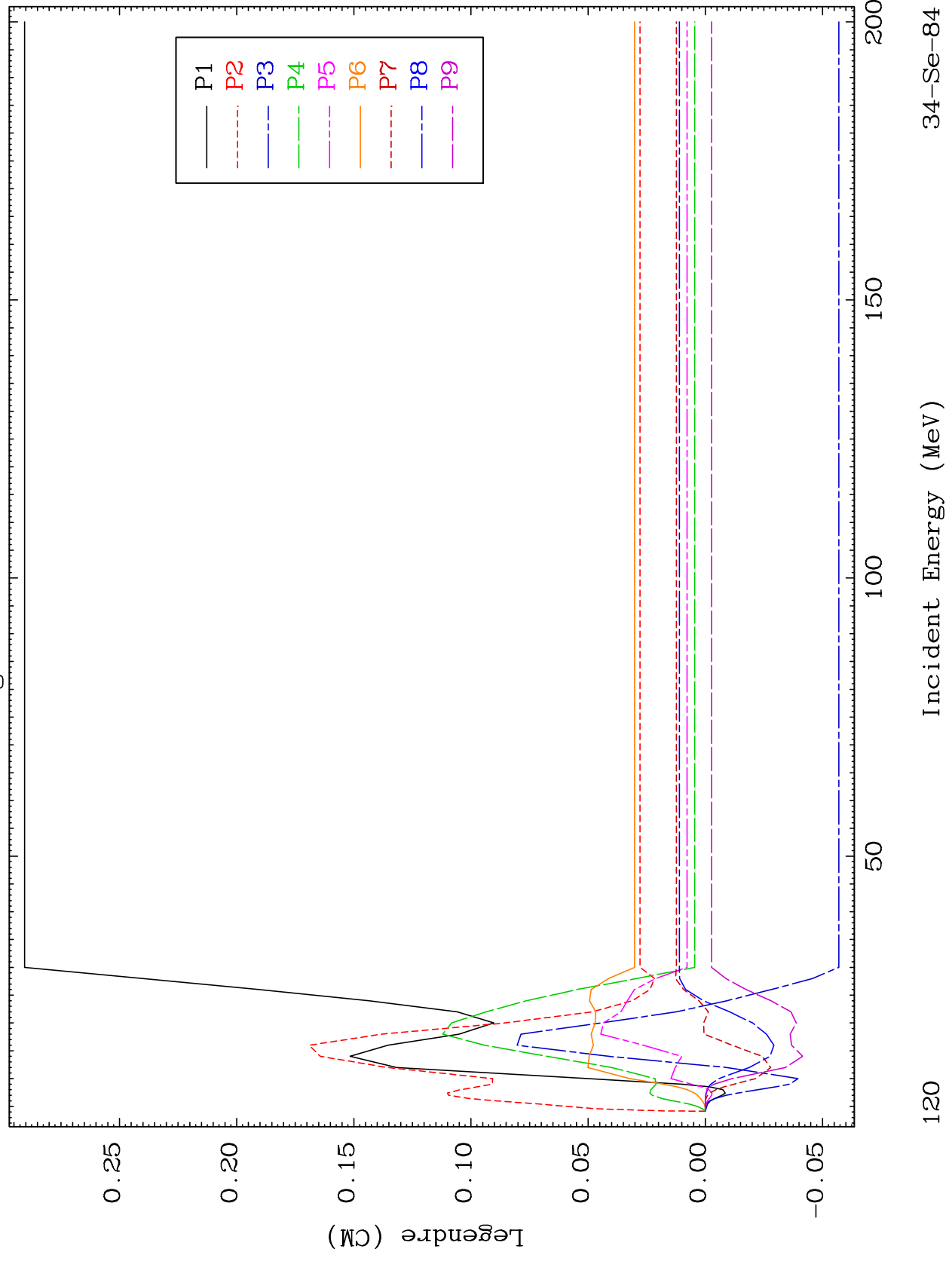




MAT 3455

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

³⁴Se-84

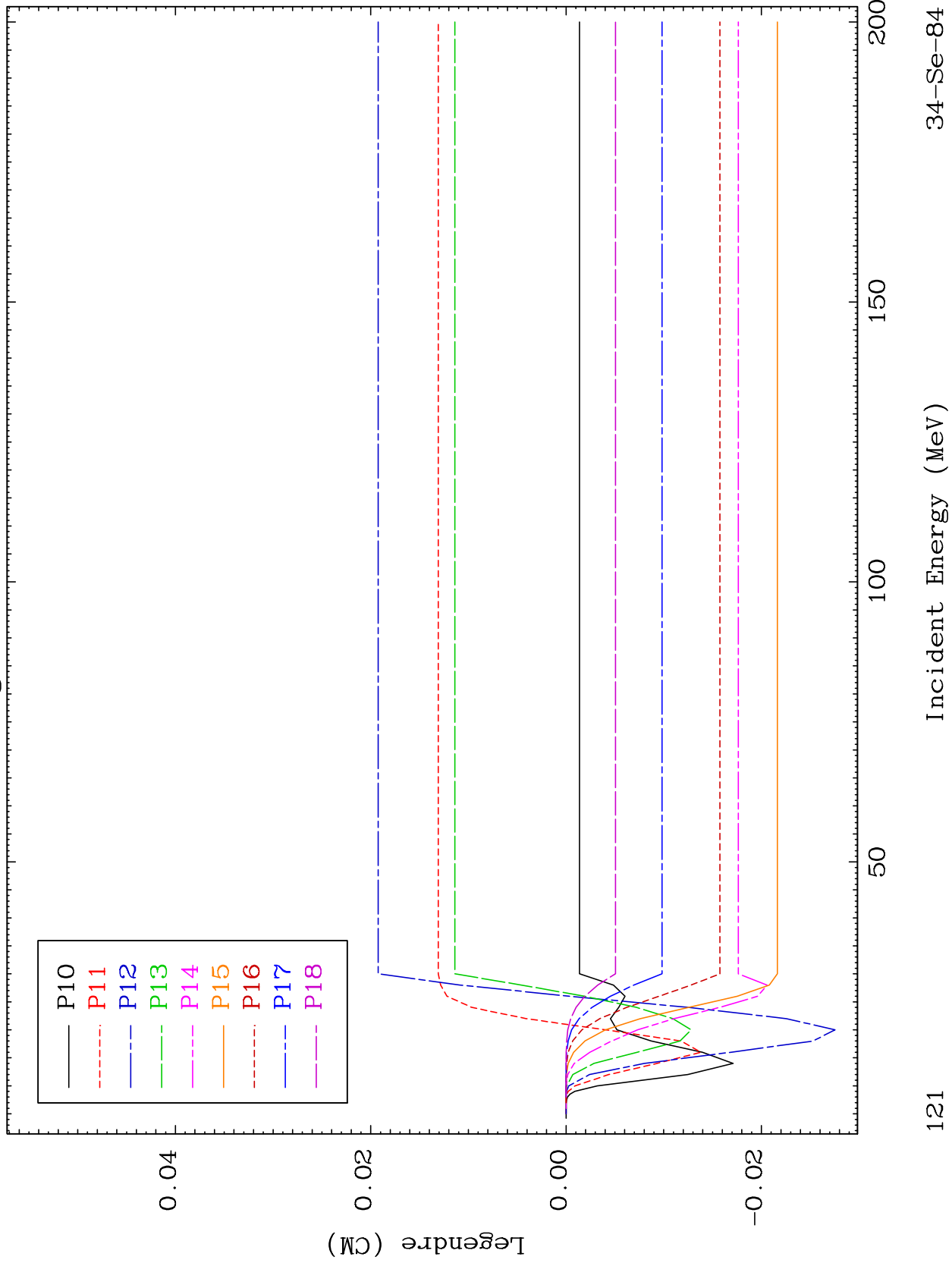


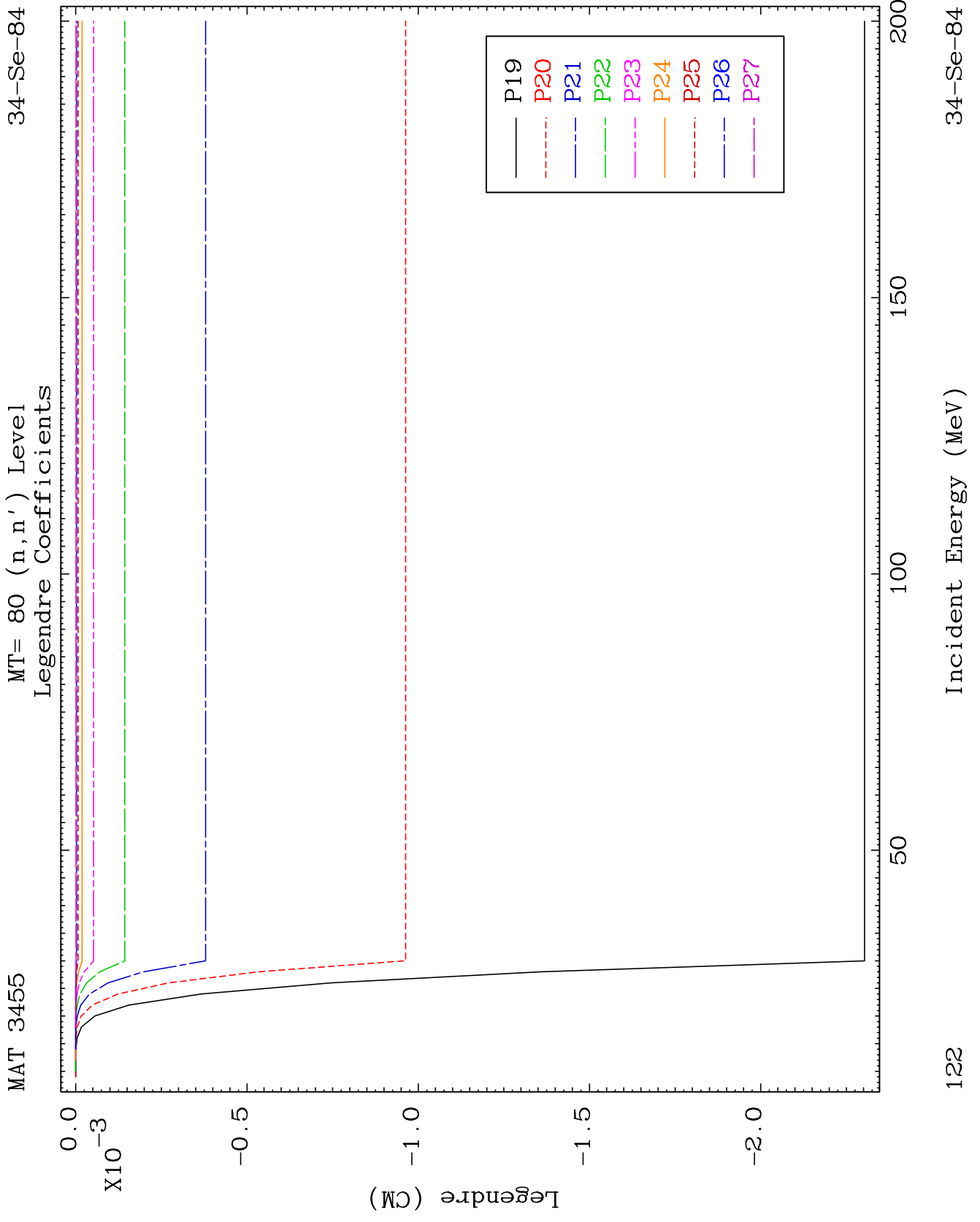
³⁴Se-84

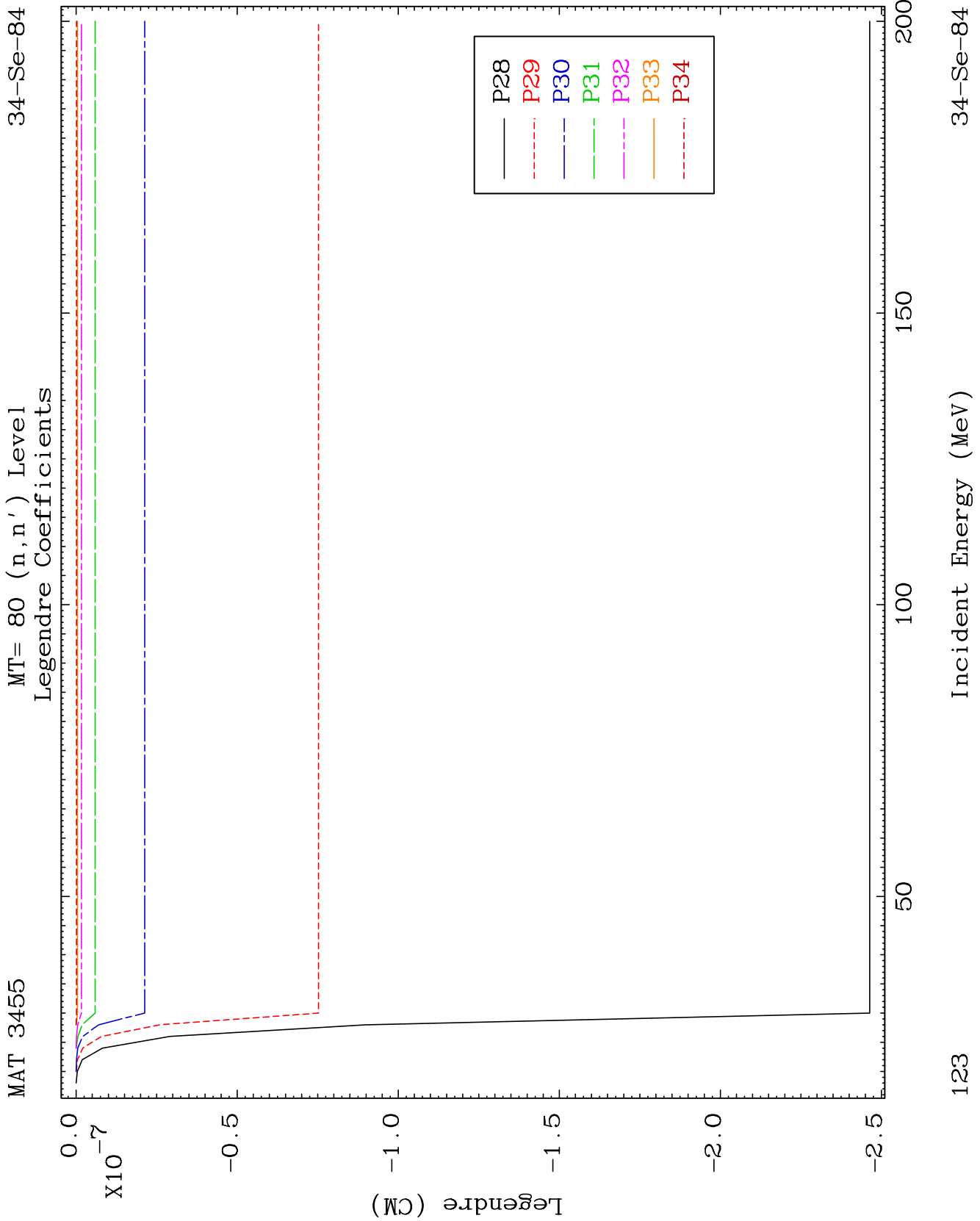
MAT 3455

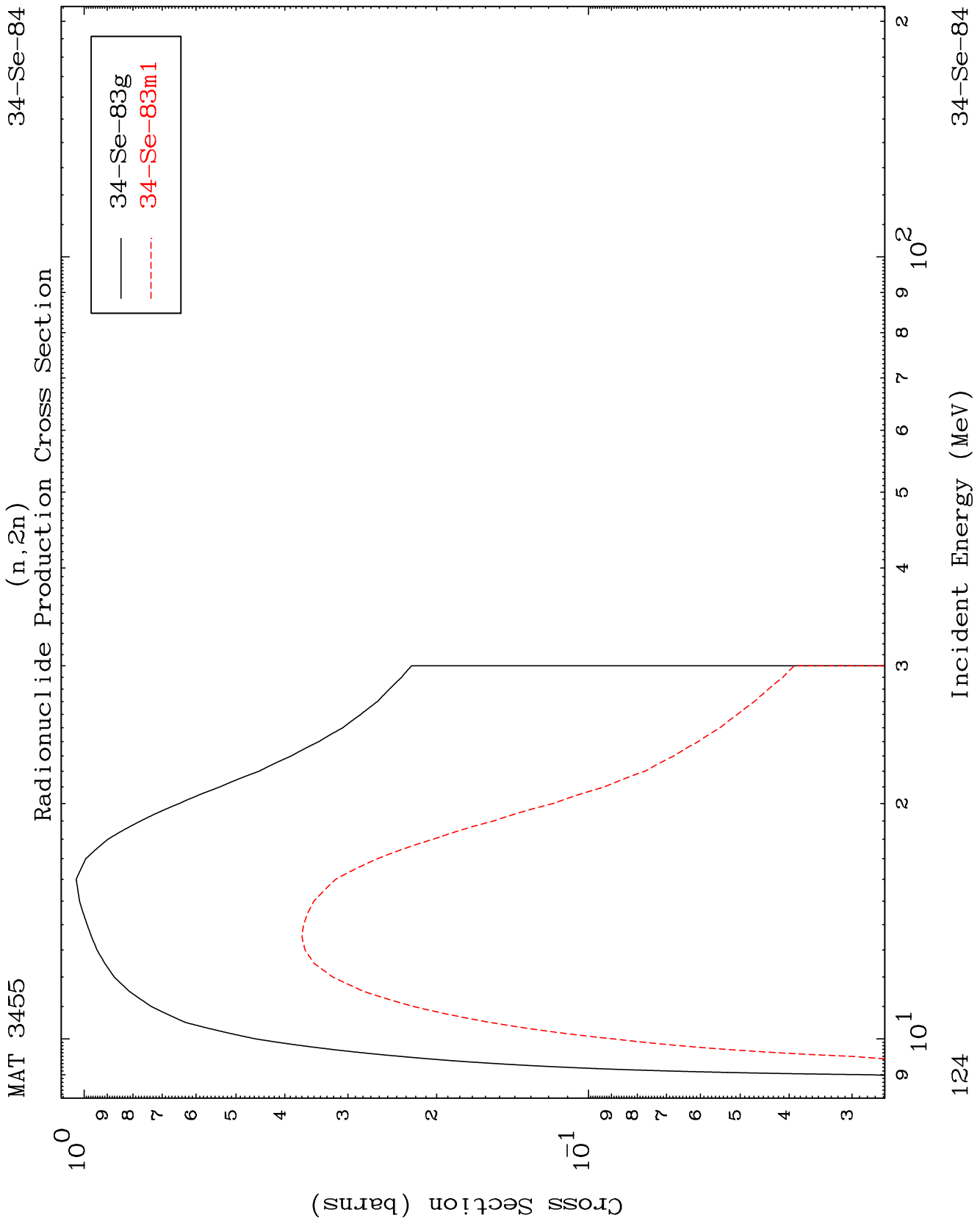
MT= 80 (n,n') Level
Legendre Coefficients

³⁴Se-84







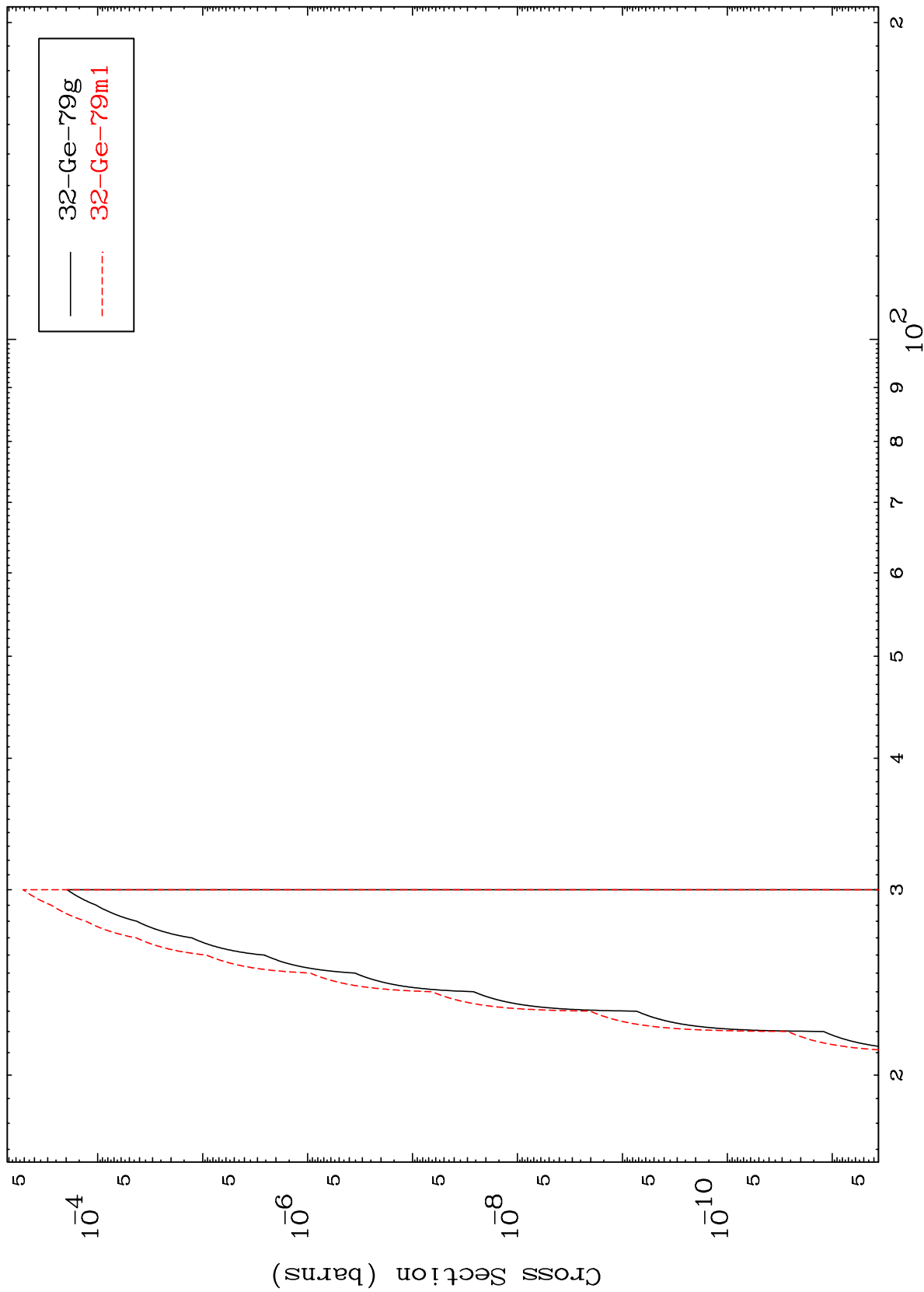


MAT 3455

$(n,2n) \alpha$

$^{34}\text{Se-84}$

Radionuclide Production Cross Section



125

Incident Energy (MeV)

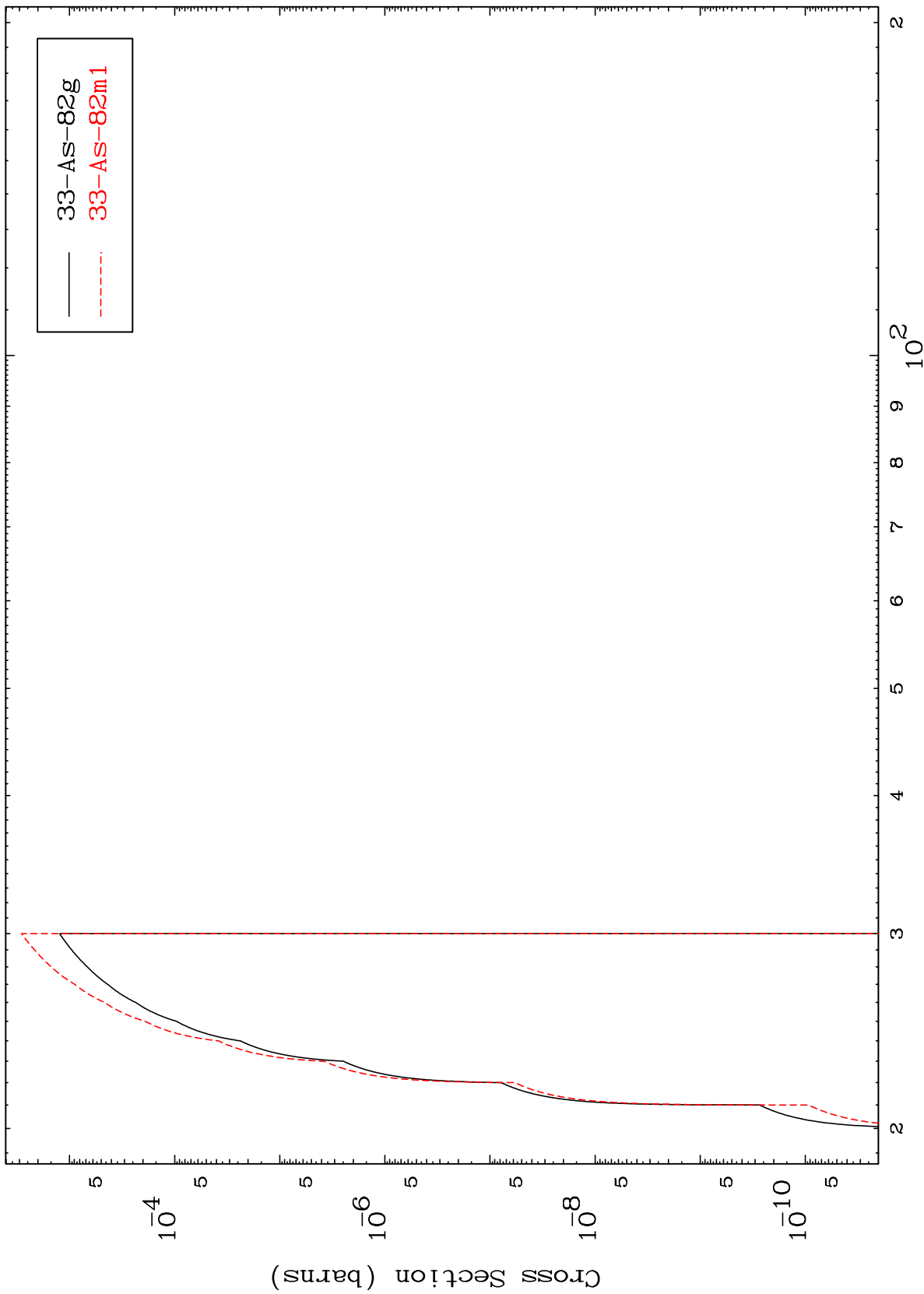
$^{34}\text{Se-84}$

MAT 3455

(n,n') d

34-Se-84

Radionuclide Production Cross Section



126

Incident Energy (MeV)

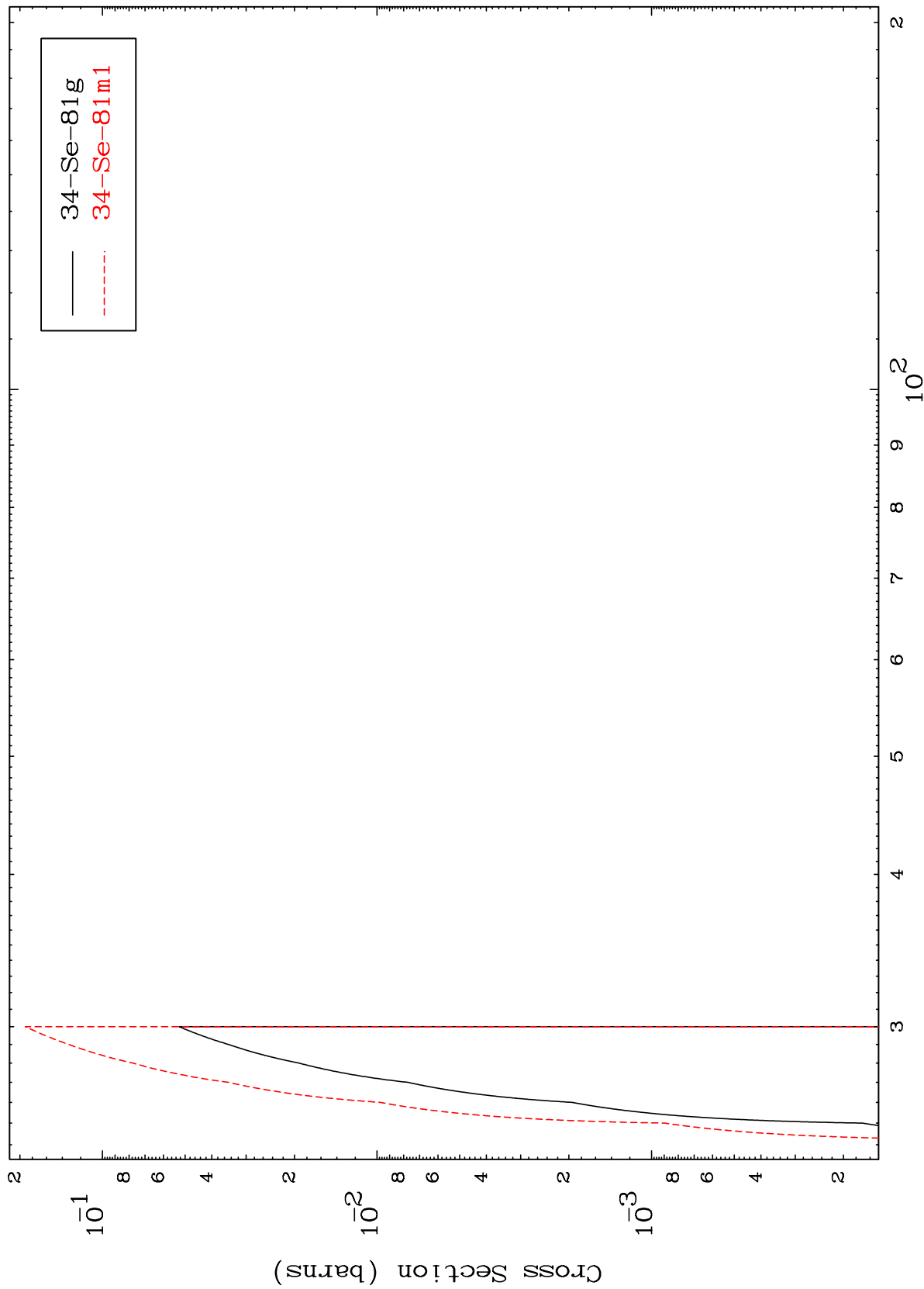
34-Se-84

MAT 3455

³⁴Se-84

(n,4n)

Radionuclide Production Cross Section



34-Se-81g
34-Se-81m1

127

³⁴Se-84

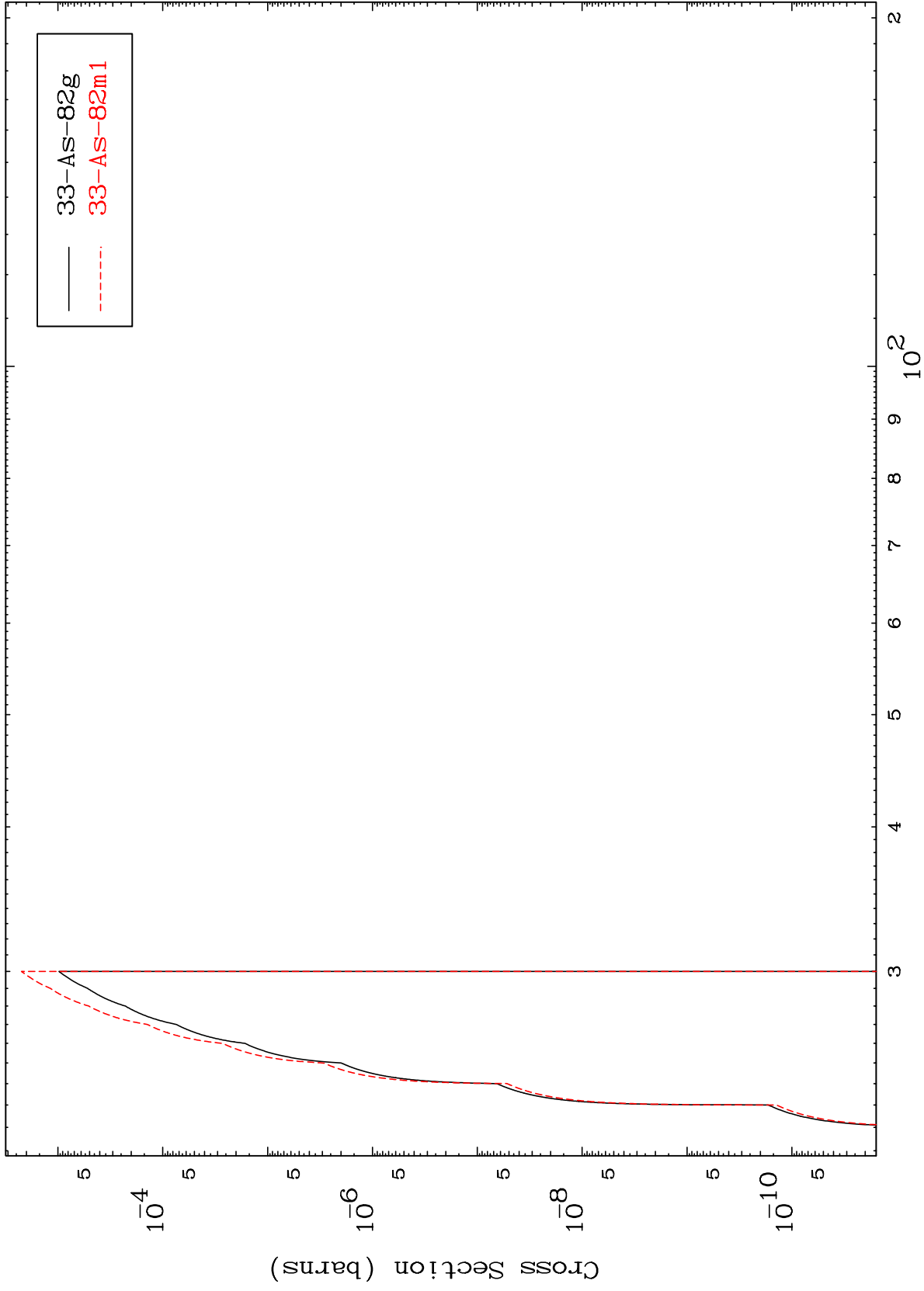
Incident Energy (MeV)

MAT 3455

(n,2n) p

34-Se-84

Radionuclide Production Cross Section



128

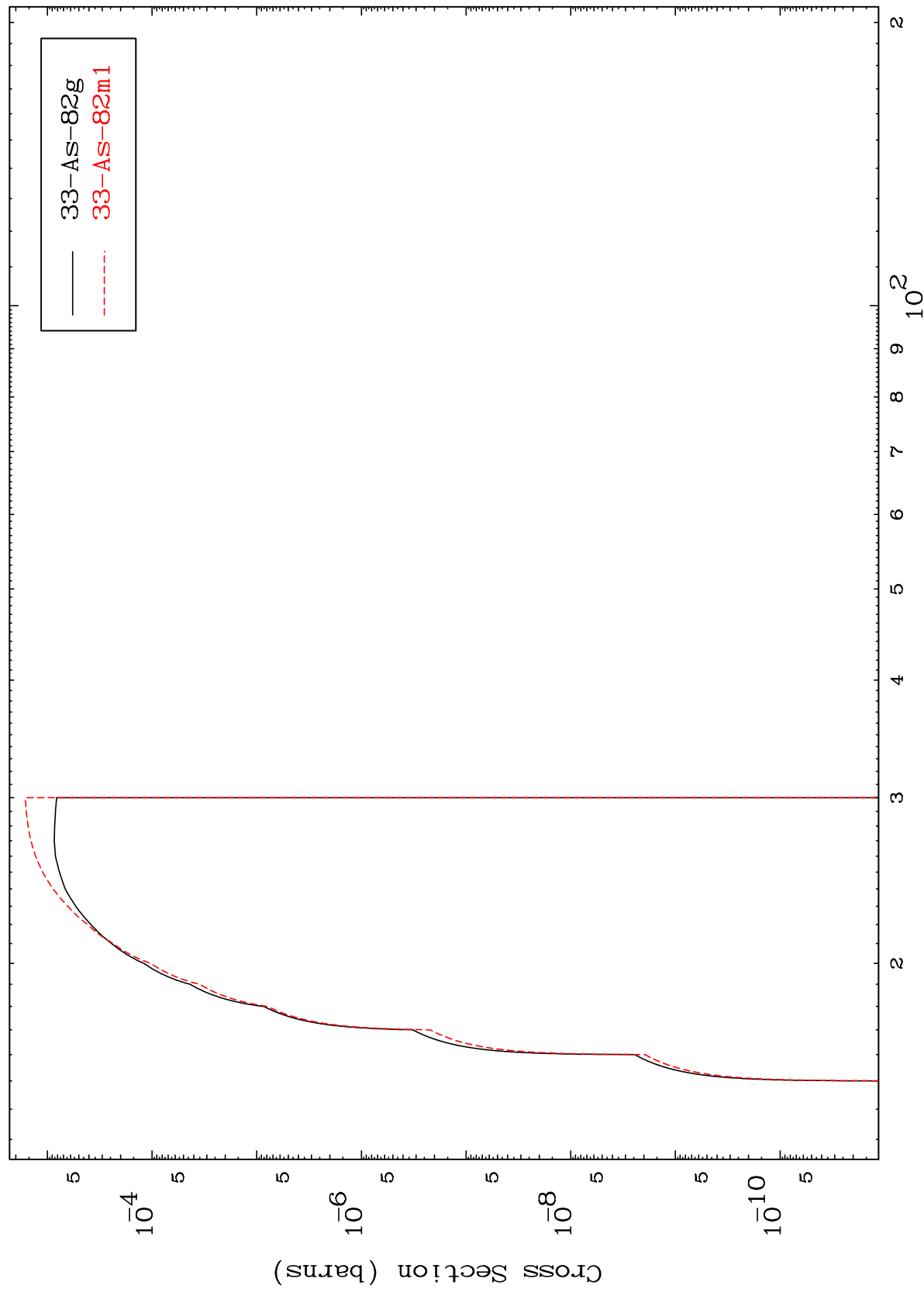
Incident Energy (MeV)

34-Se-84

MAT 3455

34-Se-84

(n,t)
Radionuclide Production Cross Section



129

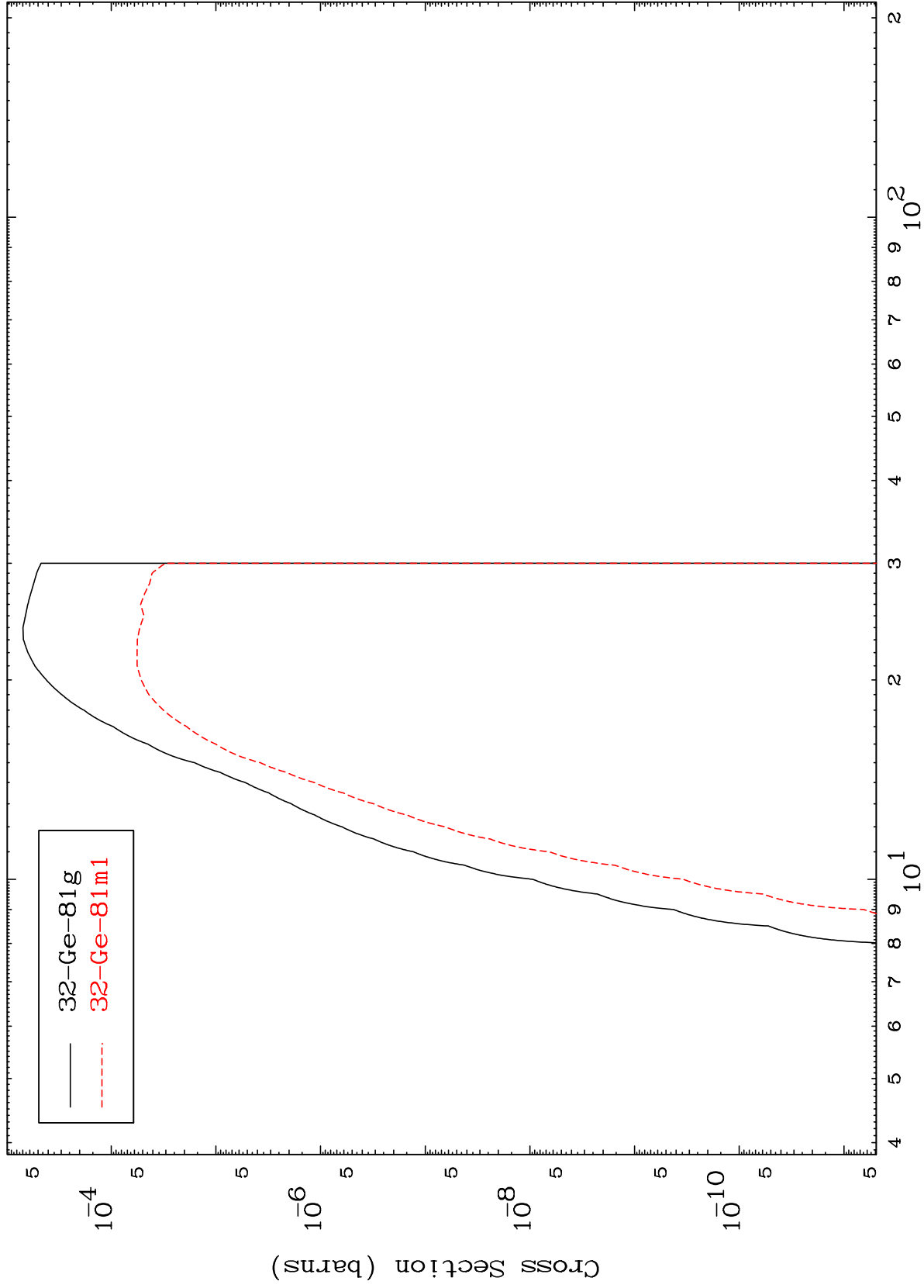
34-Se-84

Incident Energy (MeV)

MAT 3455

³⁴Se-84

Radionuclide Production Cross Section (n,α)



130

Incident Energy (MeV)

³⁴Se-84