

Program EVALPLOT
(Version 2018-1)

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

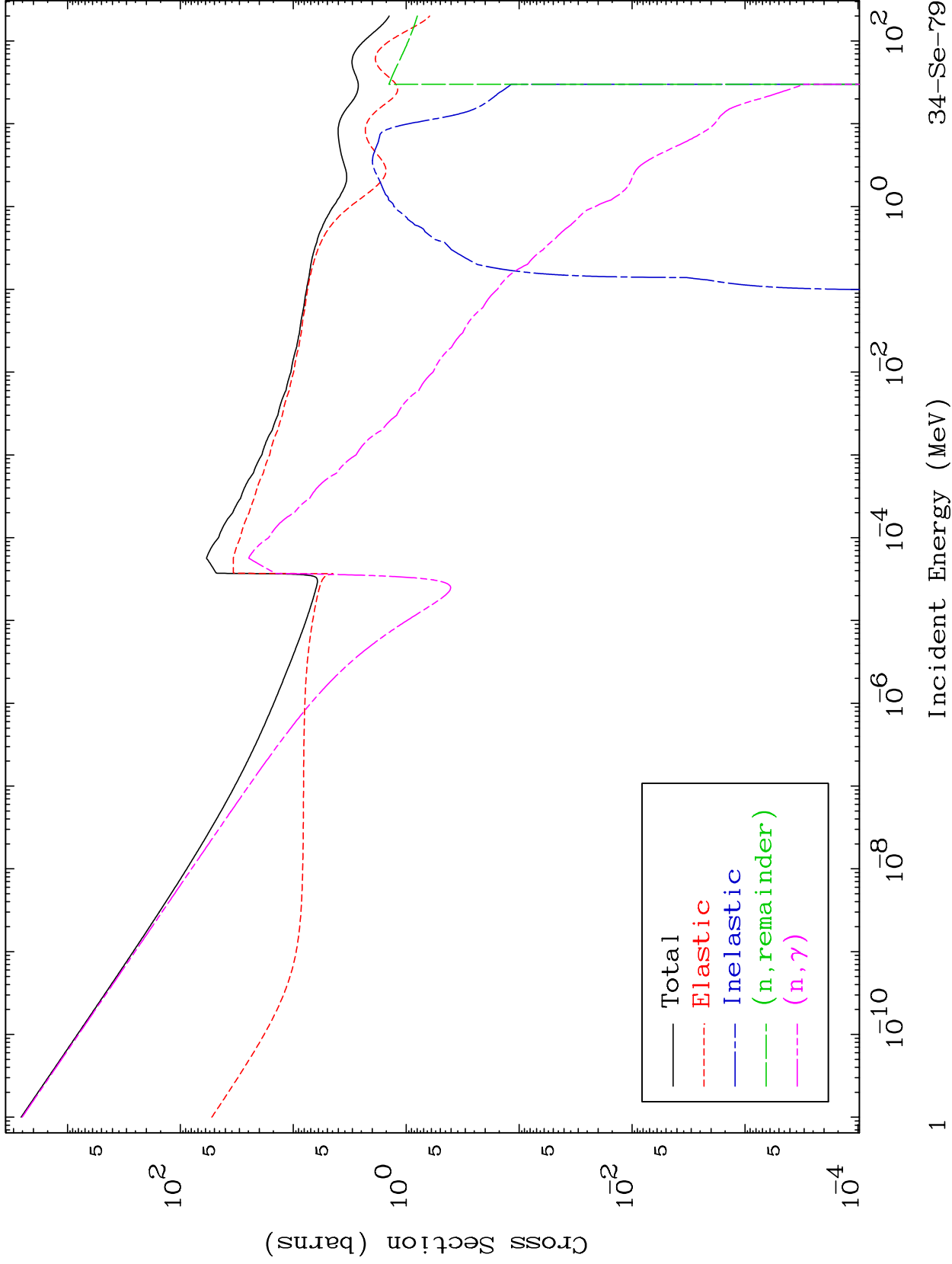
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3440

Major
293 Kelvin Cross Sections

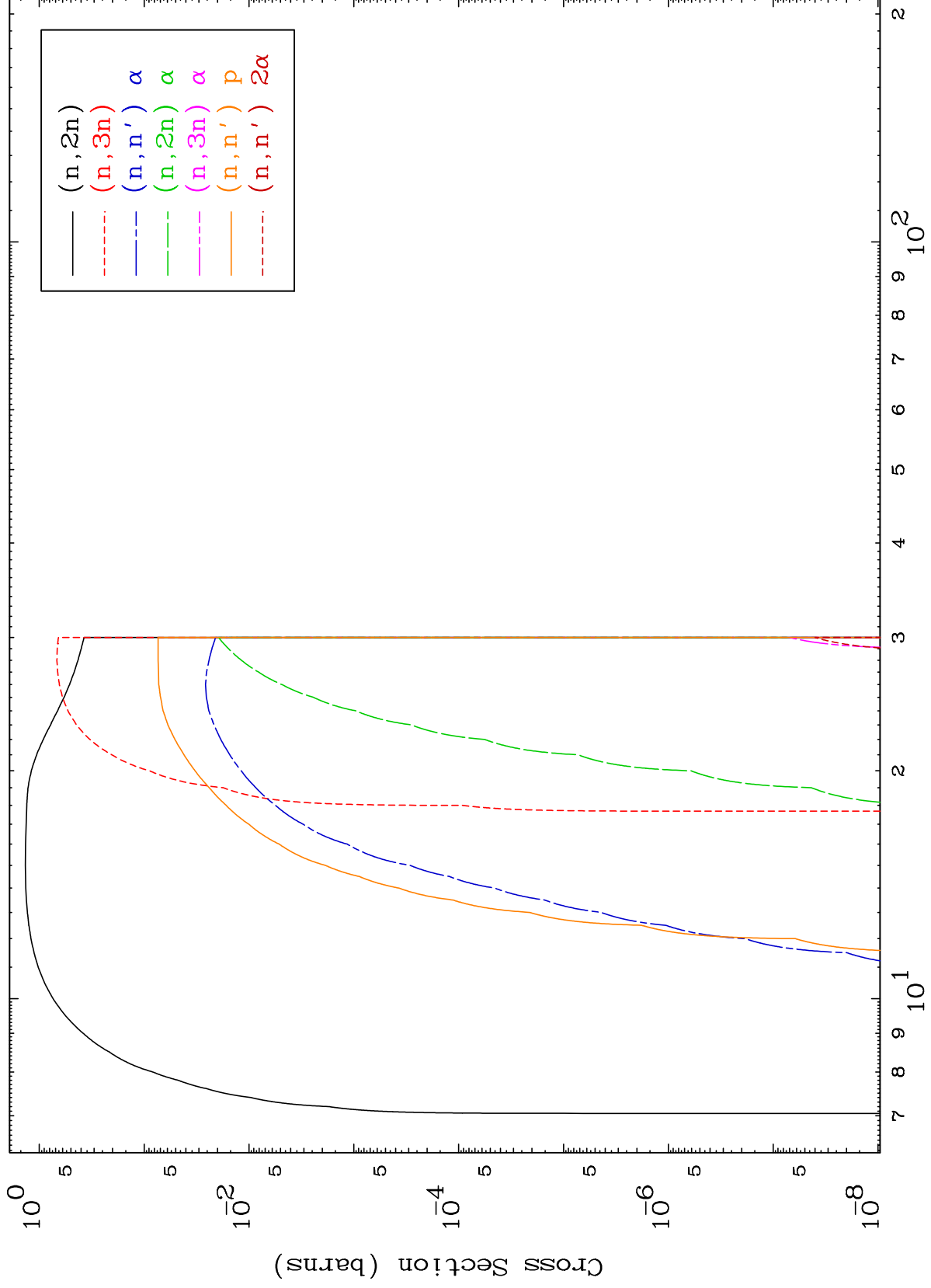
³⁴Se-79



MAT 3440

Neutron Production
293 Kelvin Cross Sections

34-Se-79

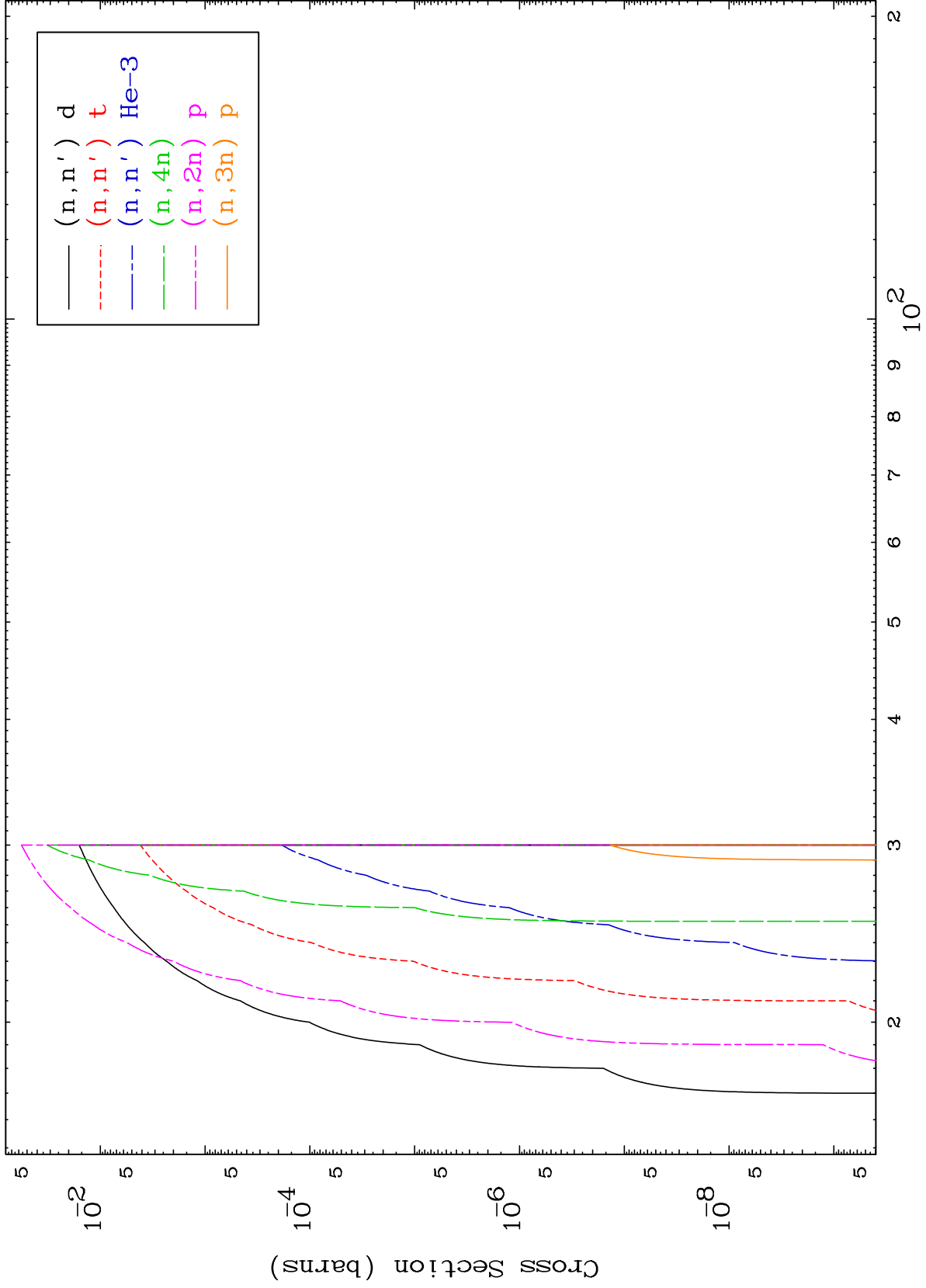


2

Incident Energy (MeV)

34-Se-79

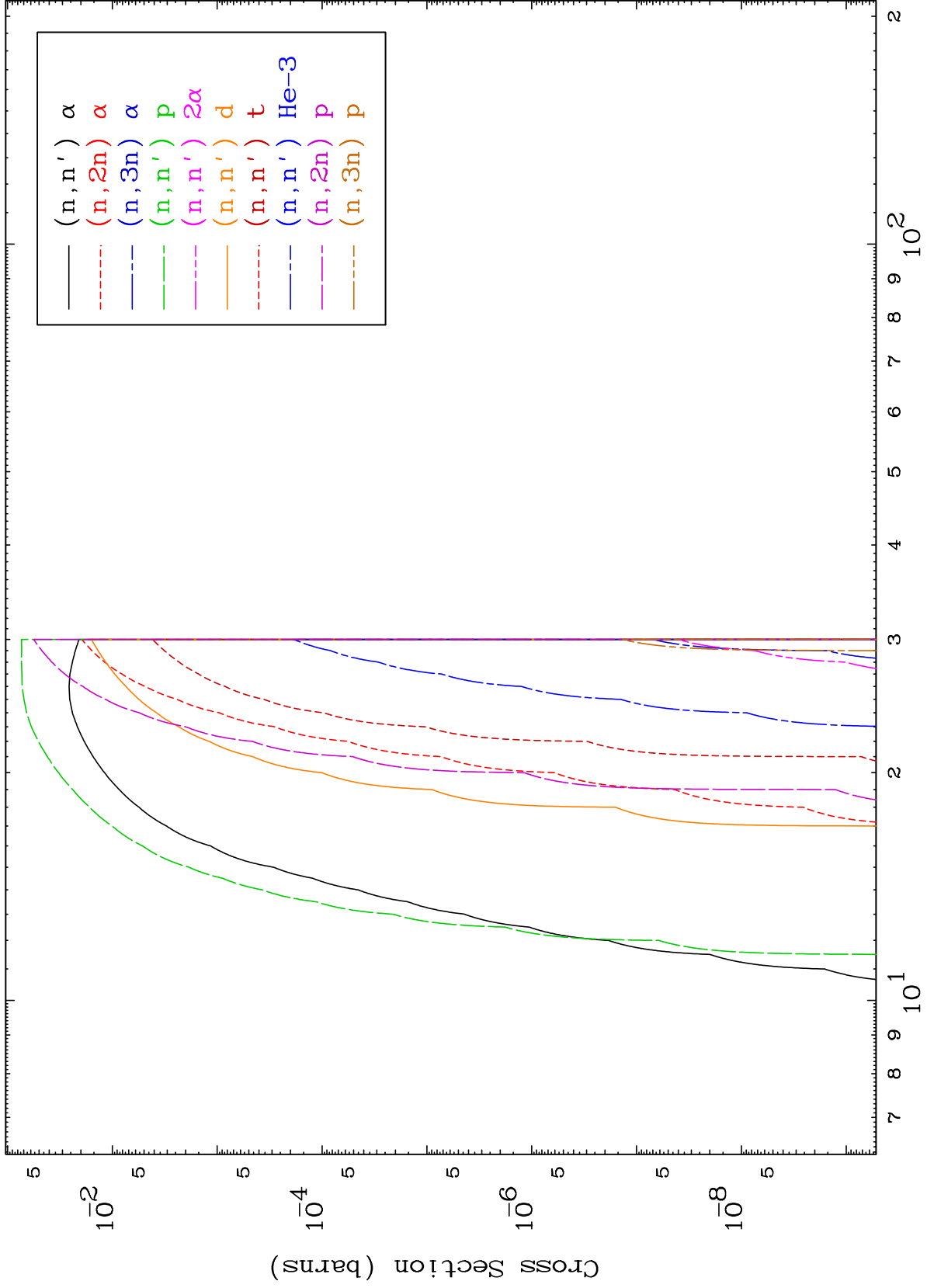
Neutron Production
293 Kelvin Cross Sections



MAT 3440

Charged Particle
293 Kelvin Cross Sections

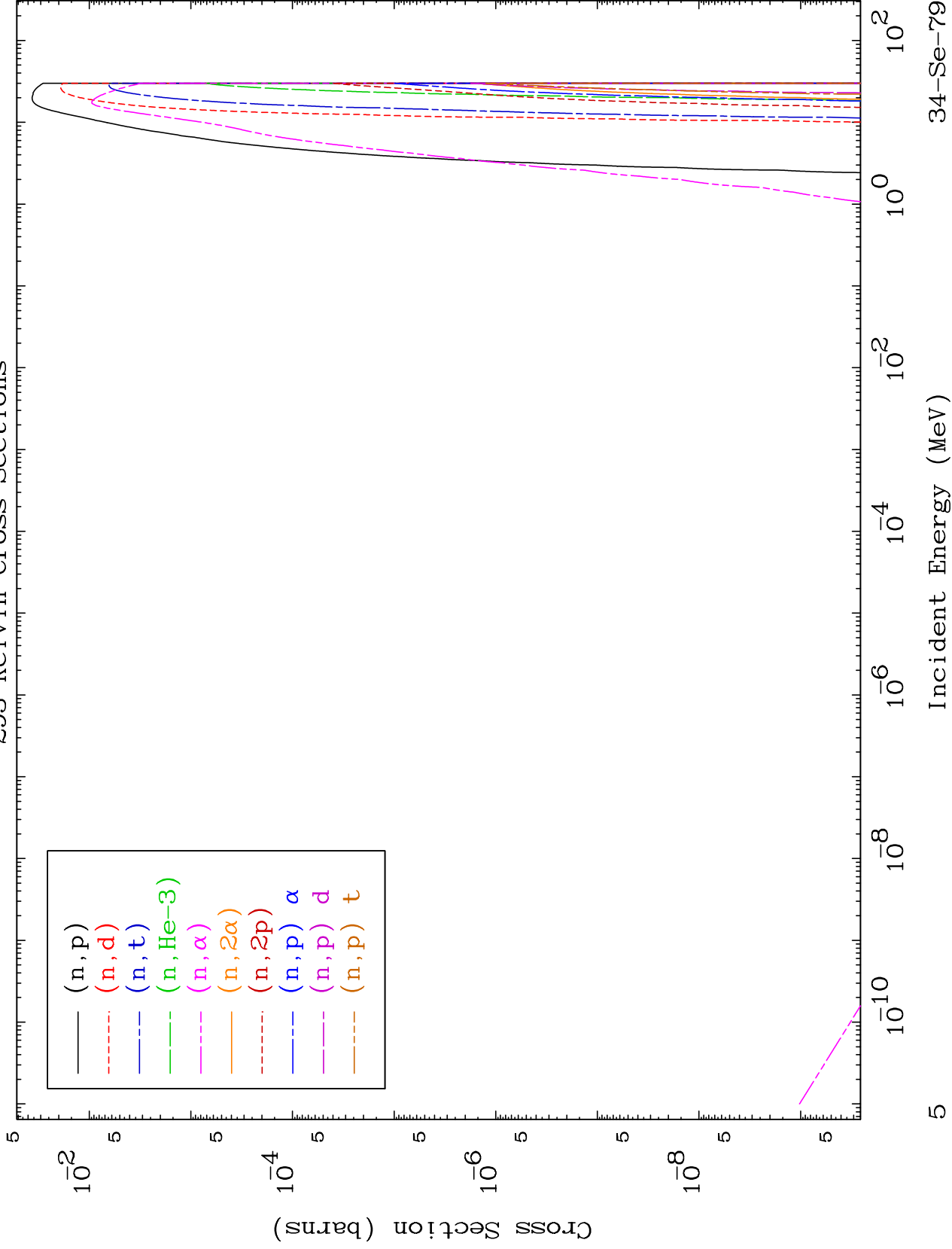
³⁴Se-79



MAT 3440

Charged Particle
293 Kelvin Cross Sections

34-Se-79

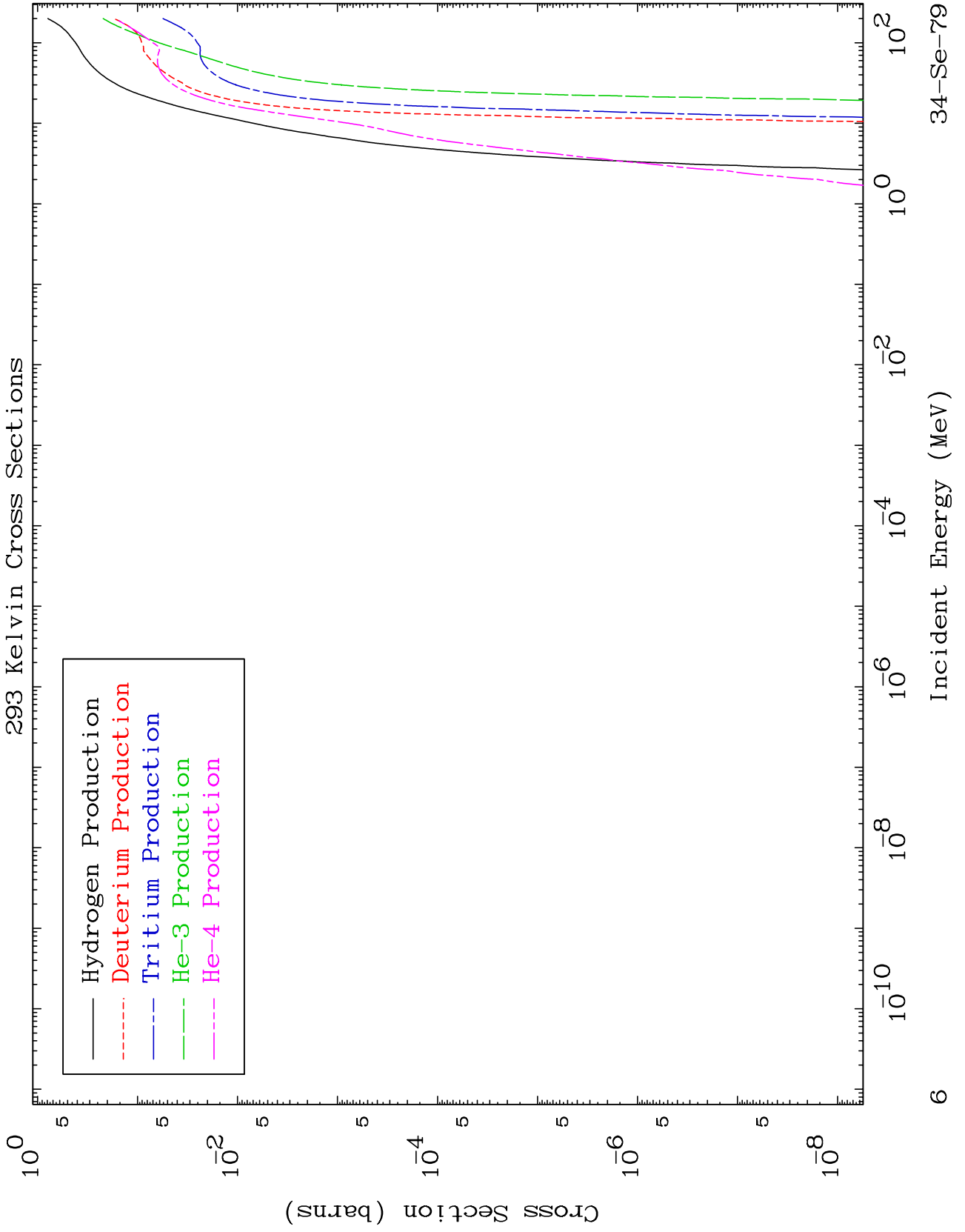


5

MAT 3440

Particle Production
293 Kelvin Cross Sections

34-Se-79

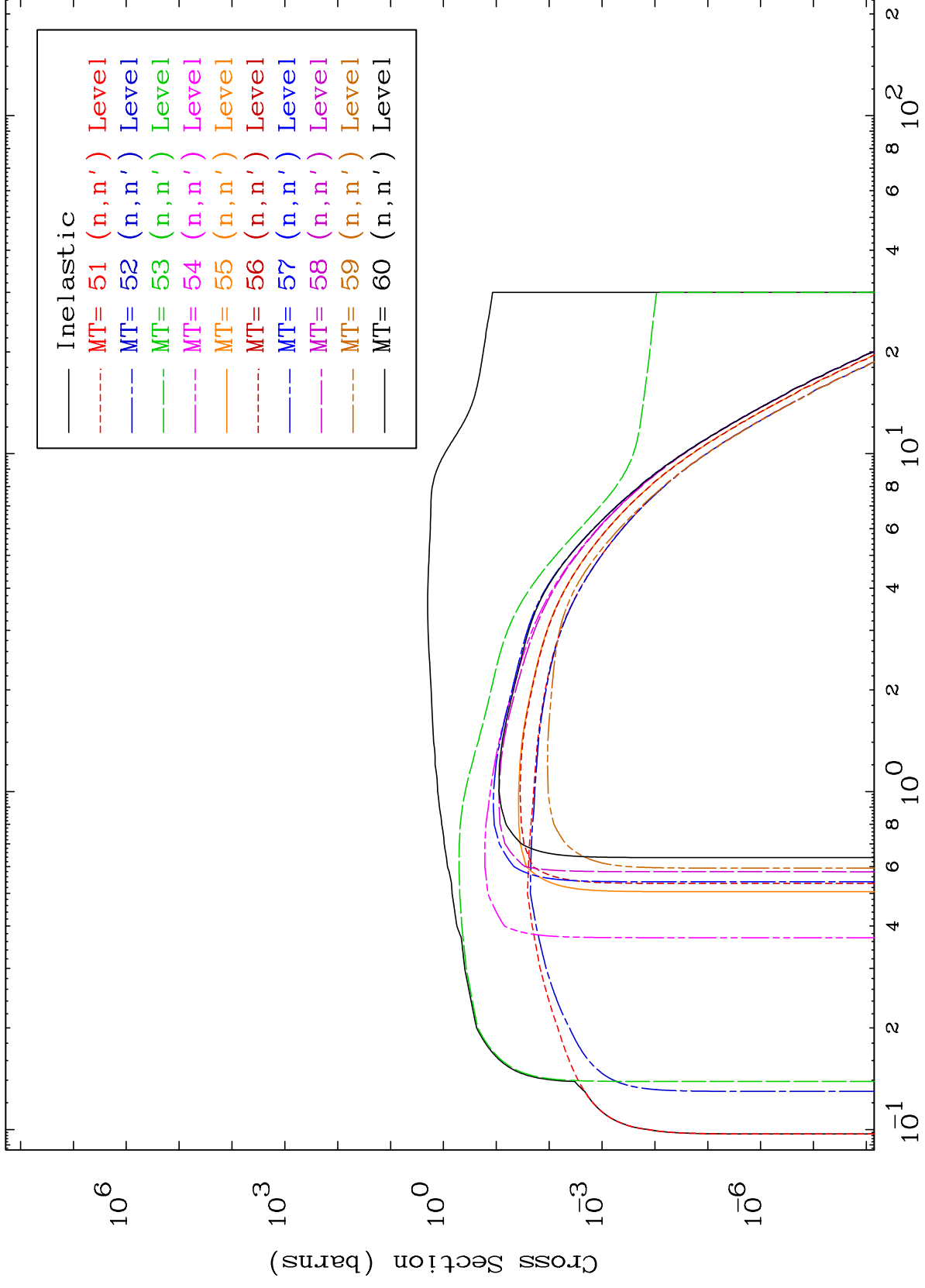


MAT 3440

(n,n') Level

34-Se-79

293 Kelvin Cross Sections



Incident Energy (MeV)

34-Se-79

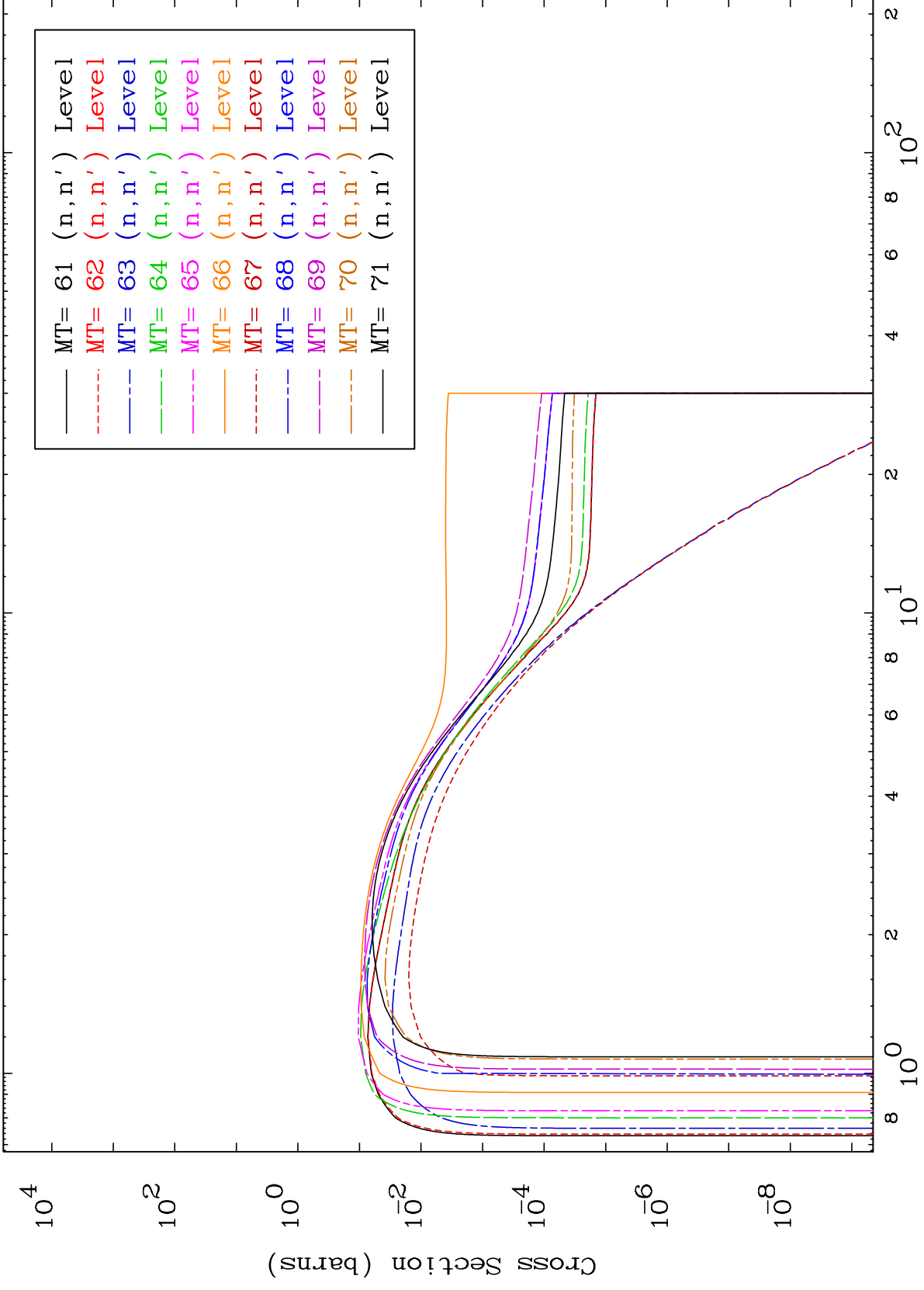
7

MAT 3440

(n,n') Level

34-Se-79

293 Kelvin Cross Sections

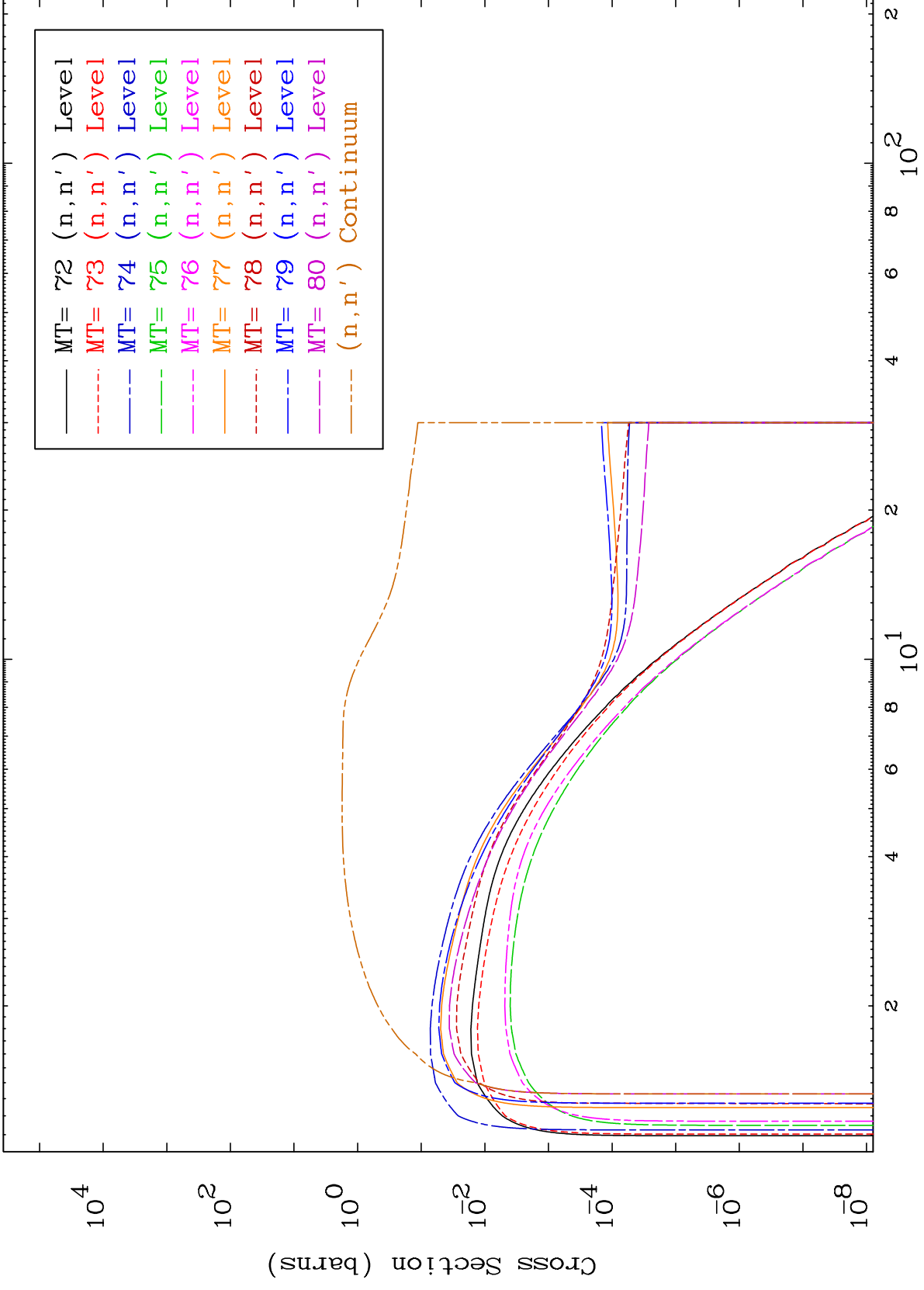


8

Incident Energy (MeV)

34-Se-79

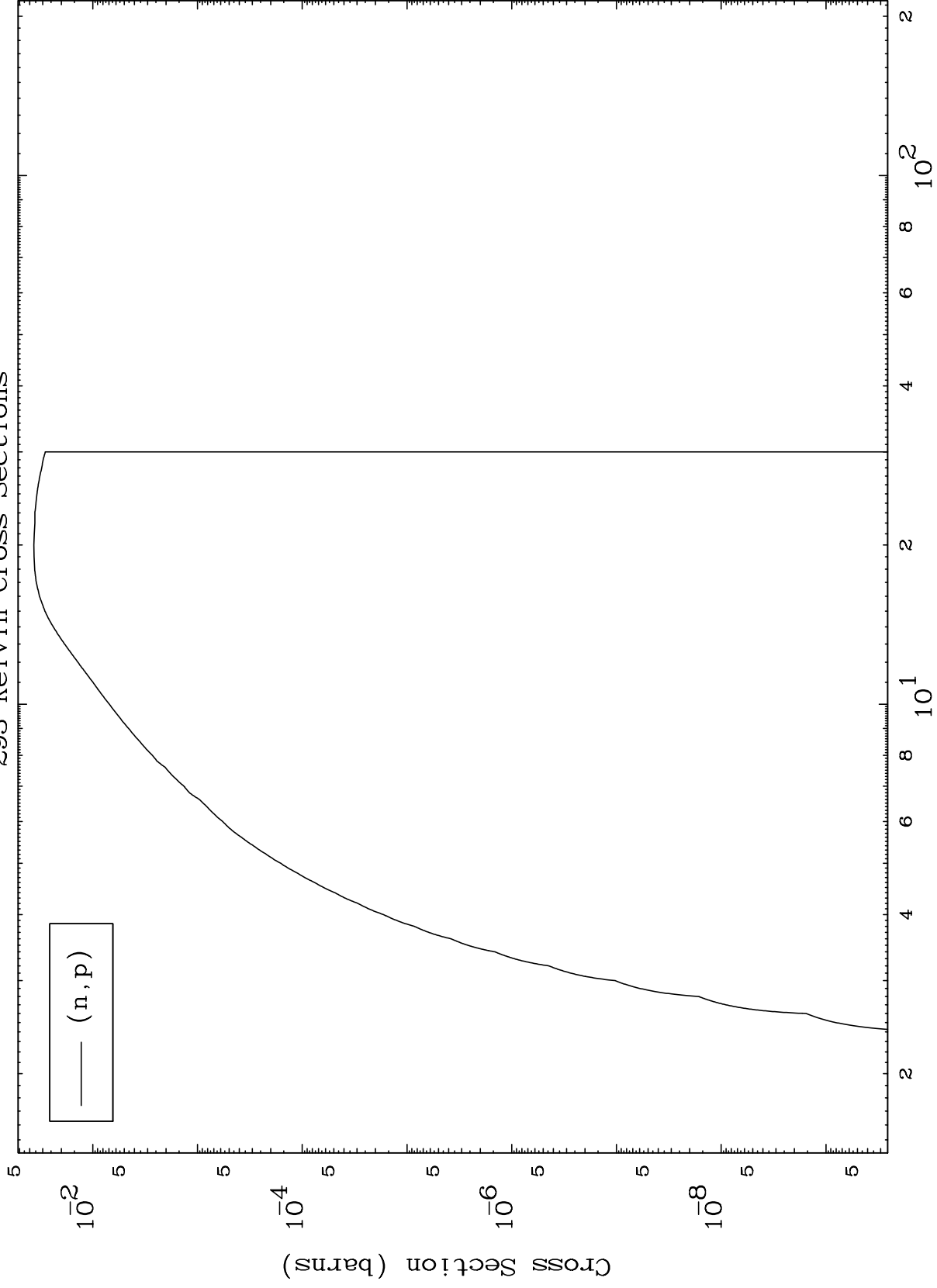
293 Kelvin Cross Sections



MAT 3440

(n,p) Levels
293 Kelvin Cross Sections

³⁴Se-79



10

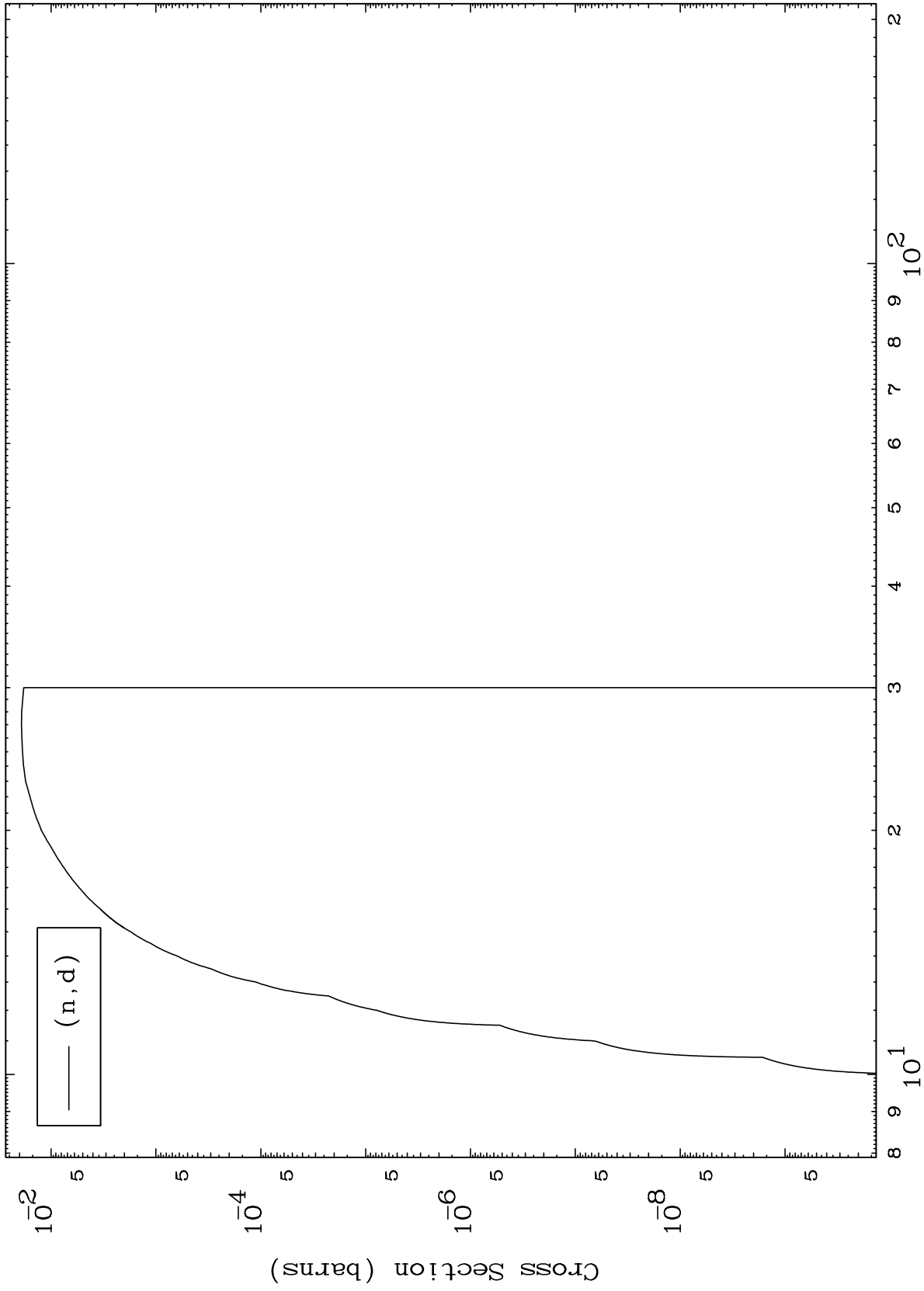
Incident Energy (MeV)

³⁴Se-79

MAT 3440

(n,d) Levels
293 Kelvin Cross Sections

³⁴Se-79



11

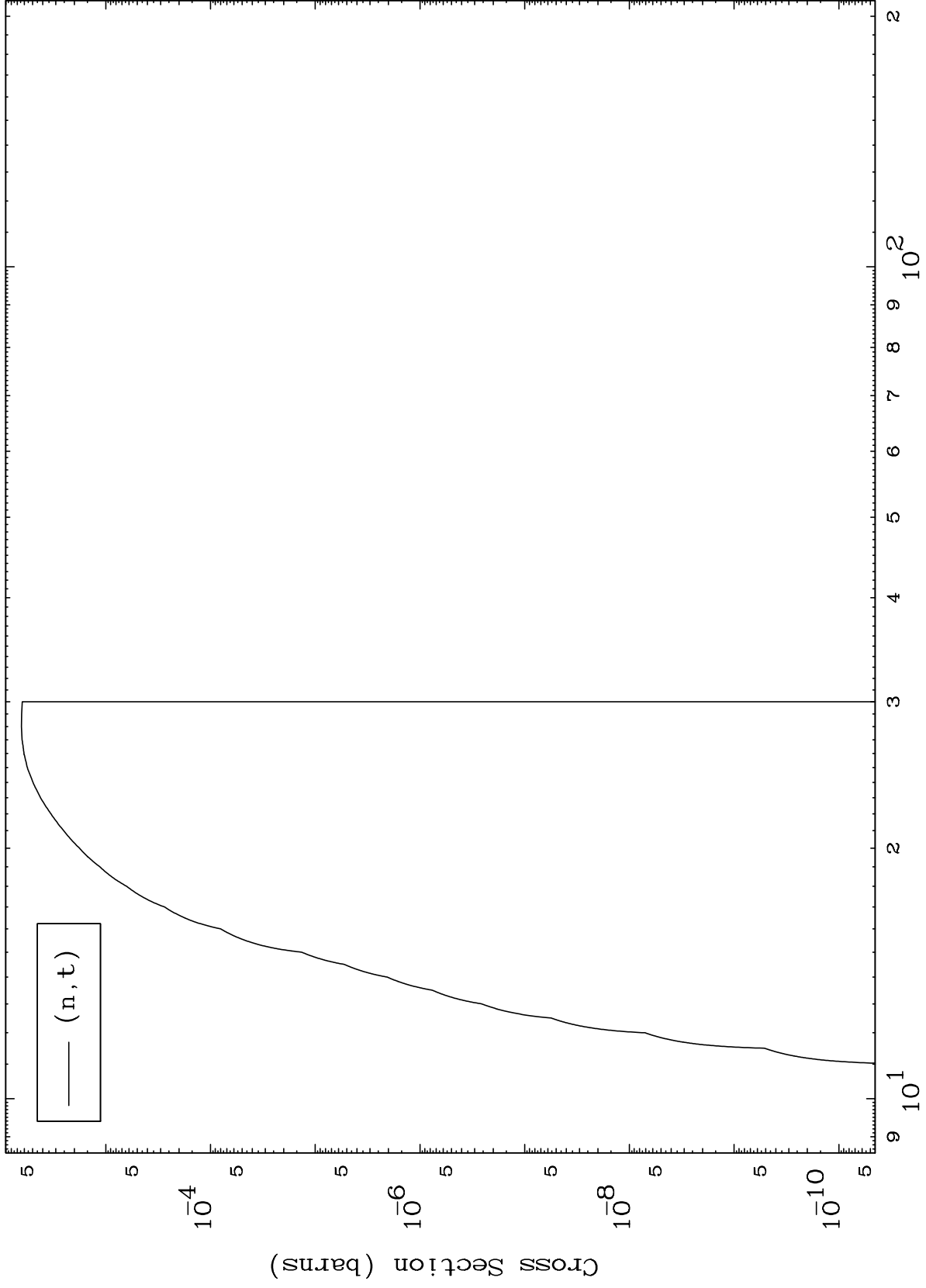
Incident Energy (MeV)

³⁴Se-79

MAT 3440

(n,t) Levels
293 Kelvin Cross Sections

³⁴Se-79



12

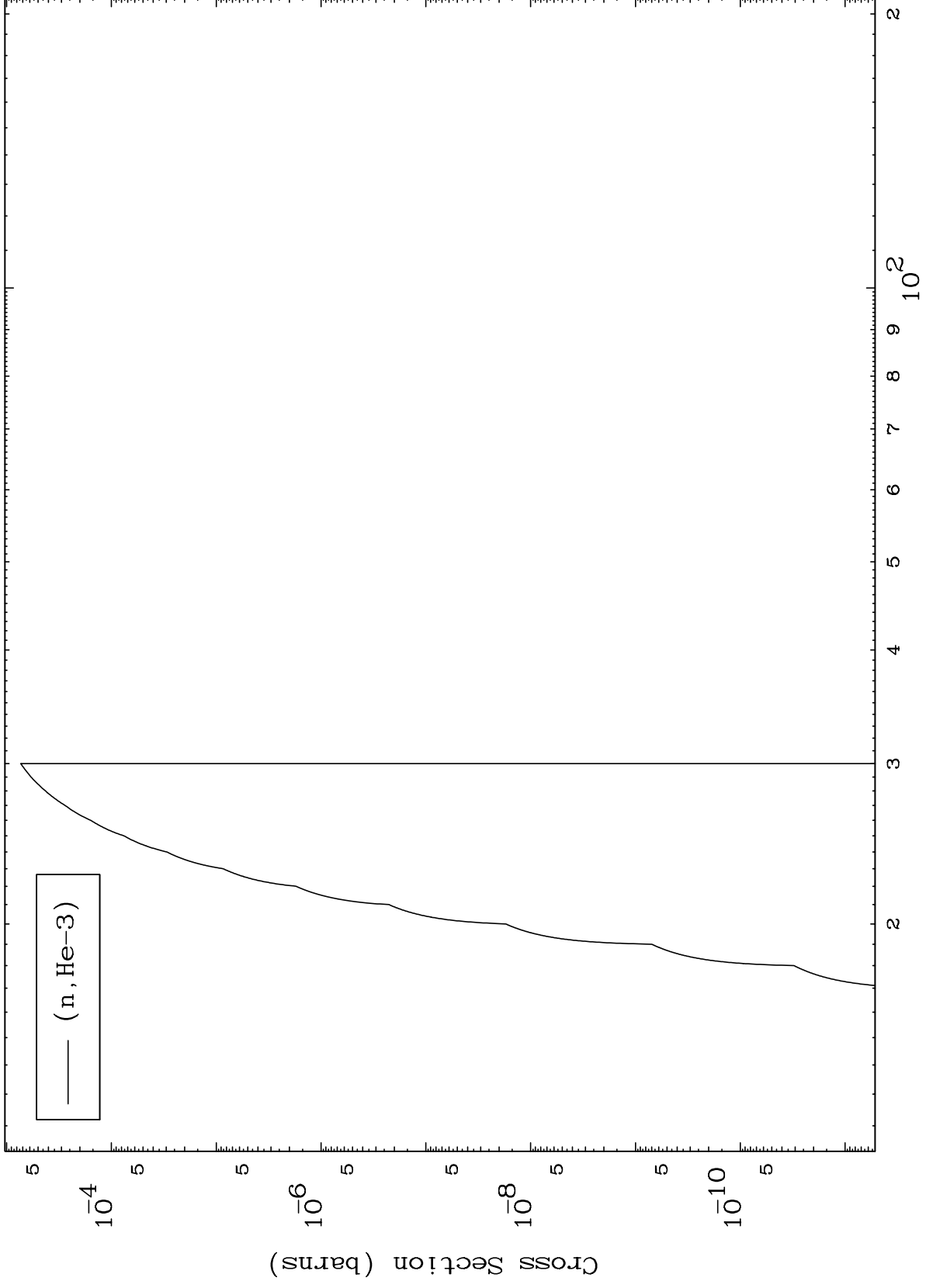
Incident Energy (MeV)

³⁴Se-79

MAT 3440

(n,He3) Levels
293 Kelvin Cross Sections

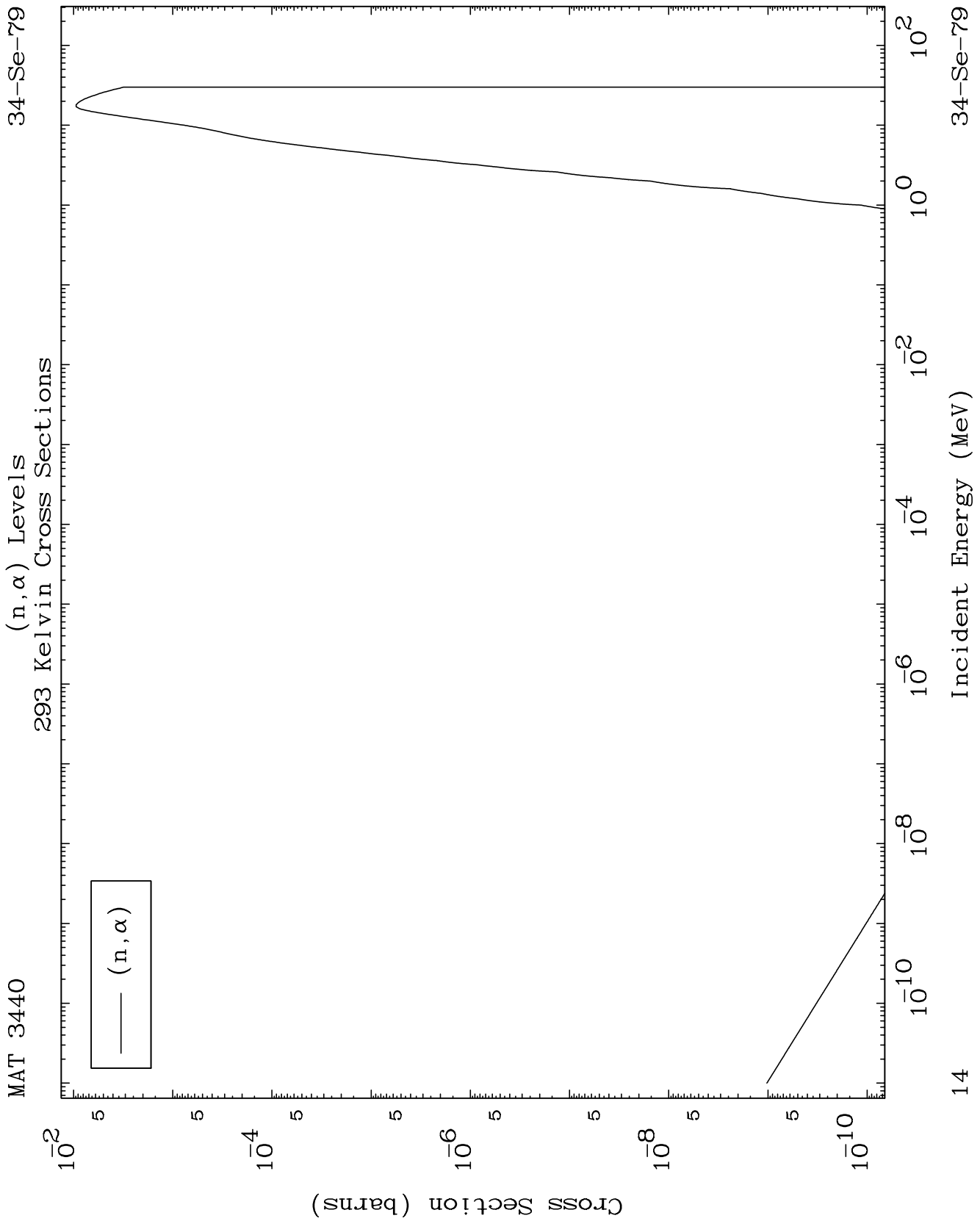
34-Se-79

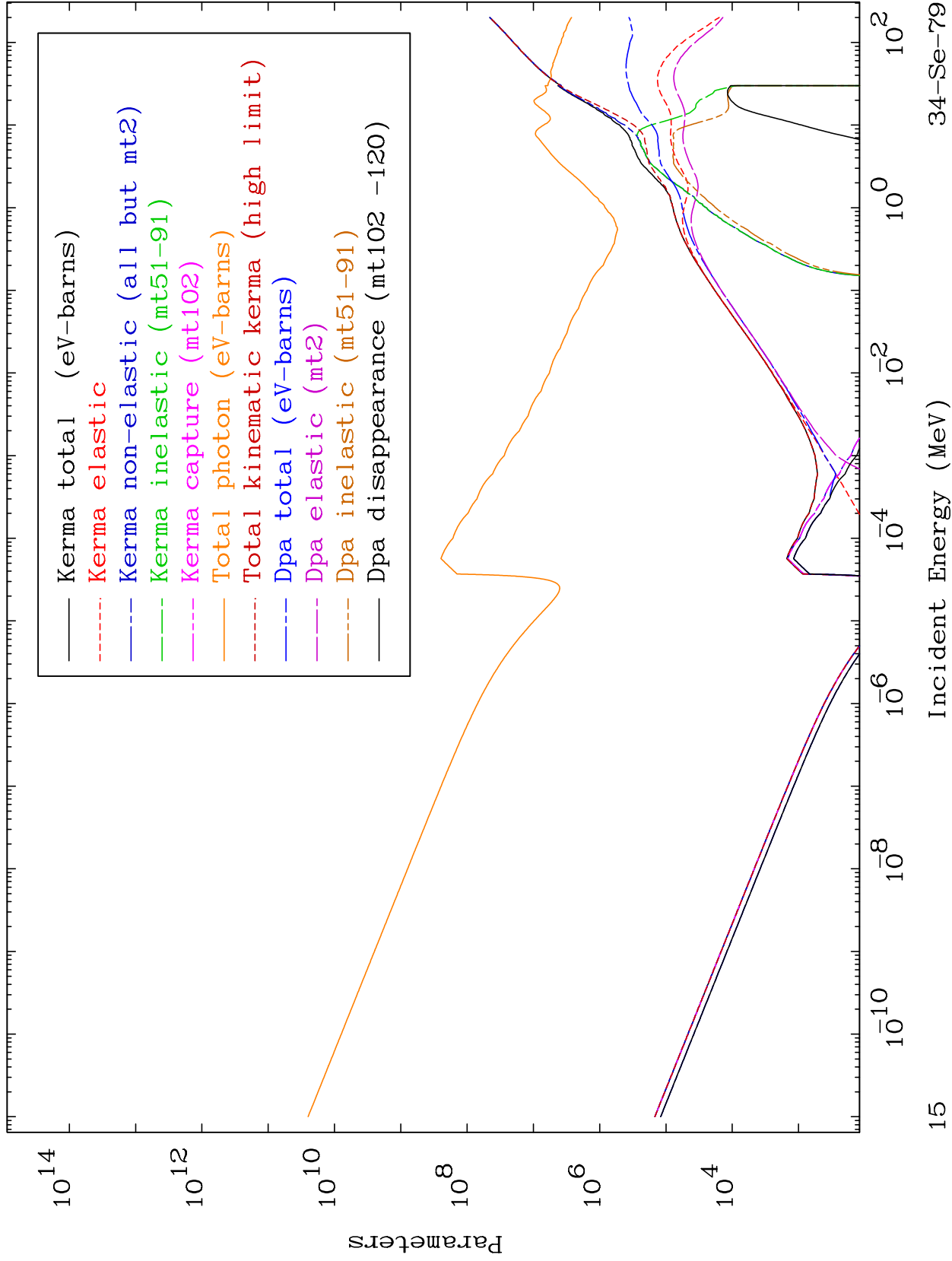


13

Incident Energy (MeV)

34-Se-79

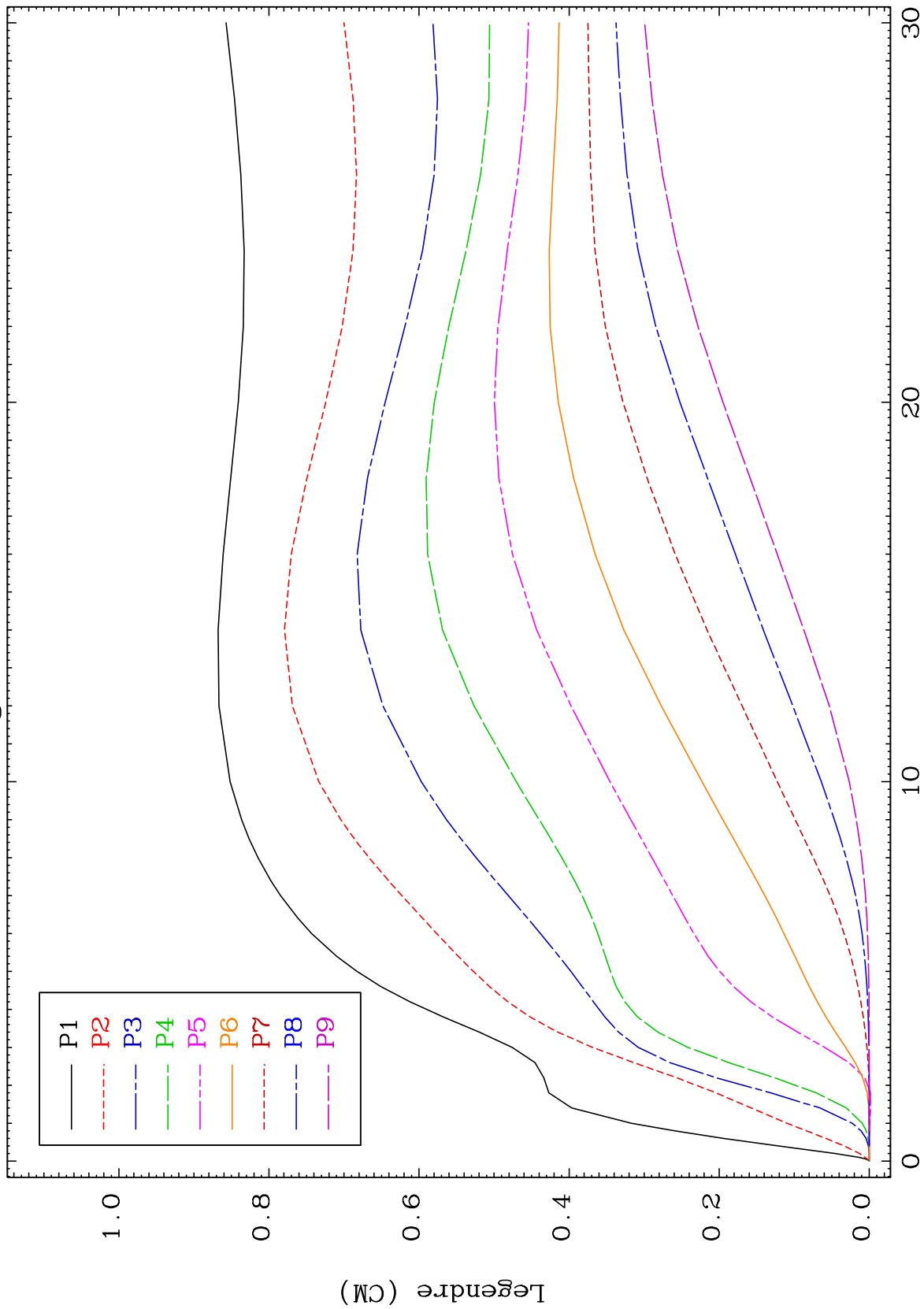




MAT 3440

Elastic Legendre Coefficients

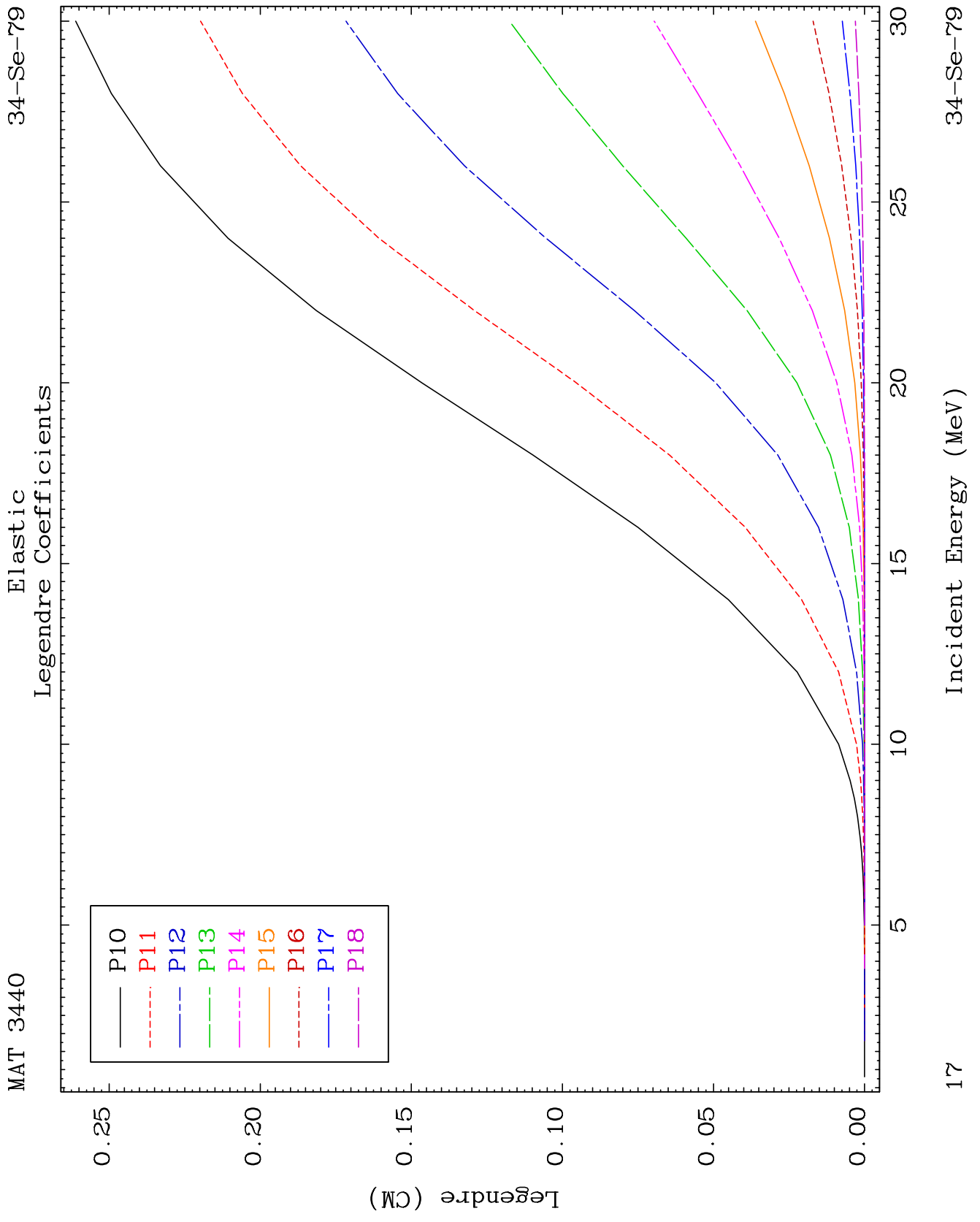
³⁴Se-79



16

Incident Energy (MeV)

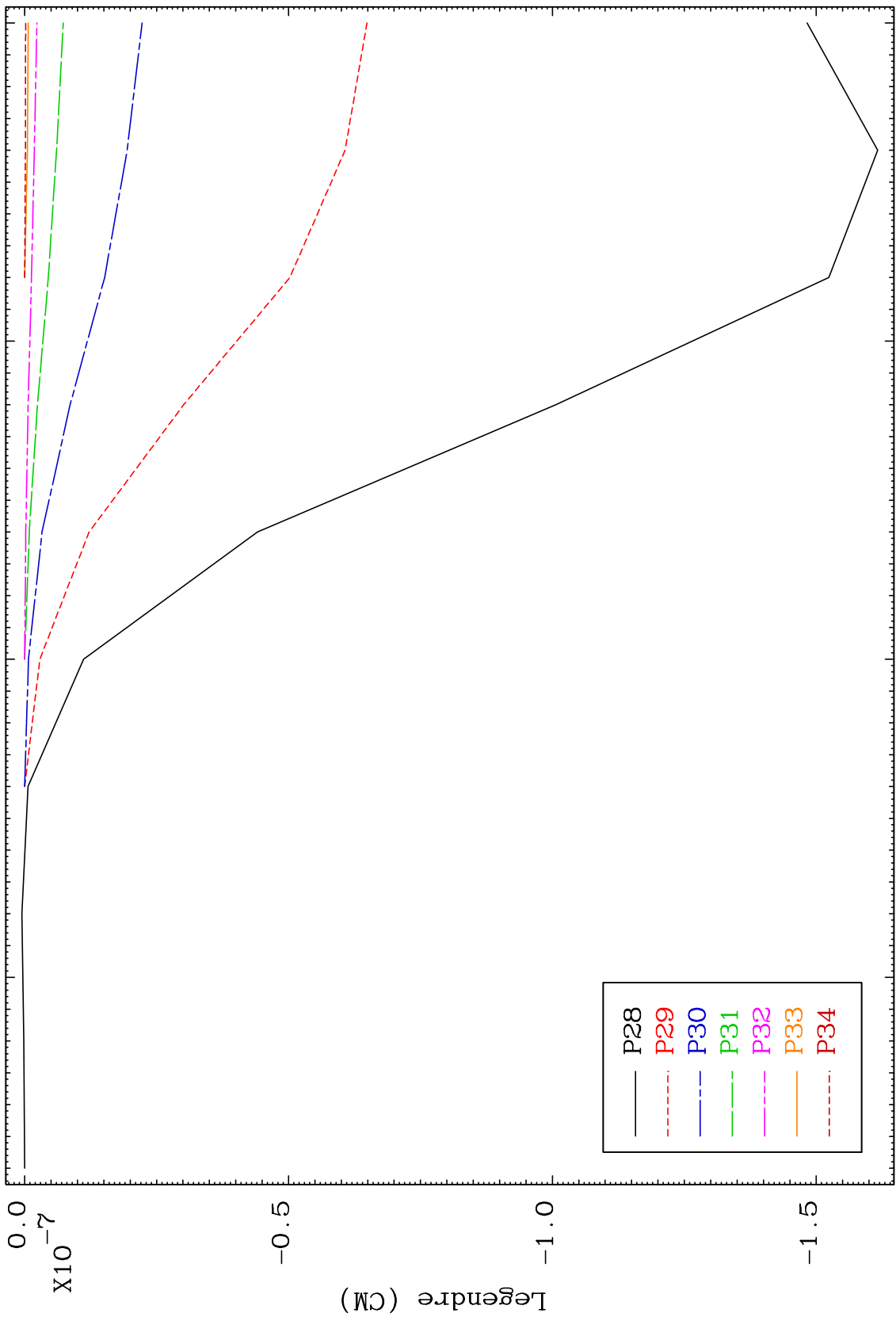
³⁴Se-79



MAT 3440

³⁴Se-79

Elastic Legendre Coefficients

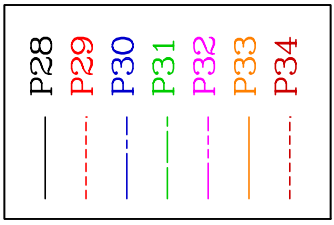


$\times 10^{-7}$

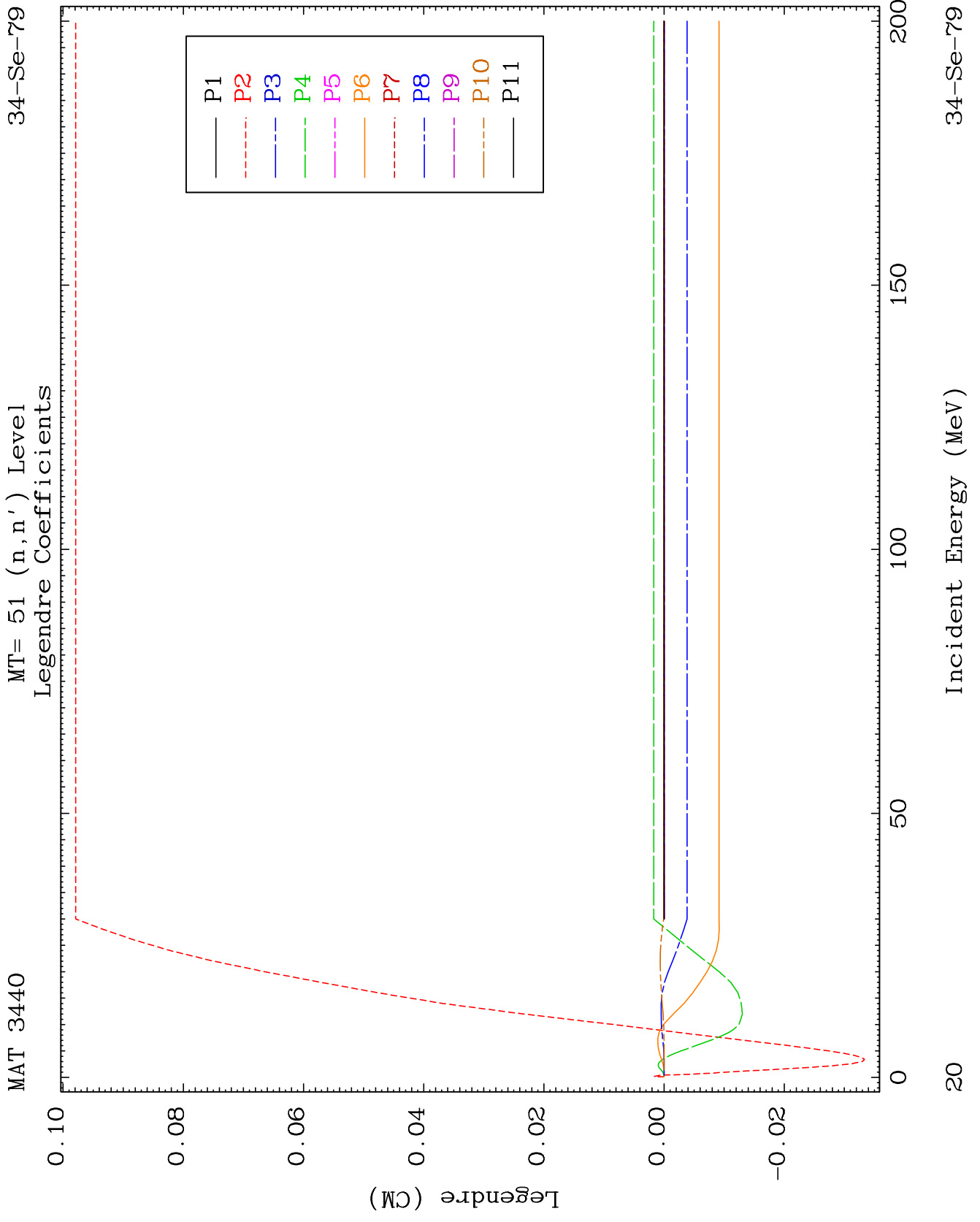
Legendre (CM)

Incident Energy (MeV)

³⁴Se-79



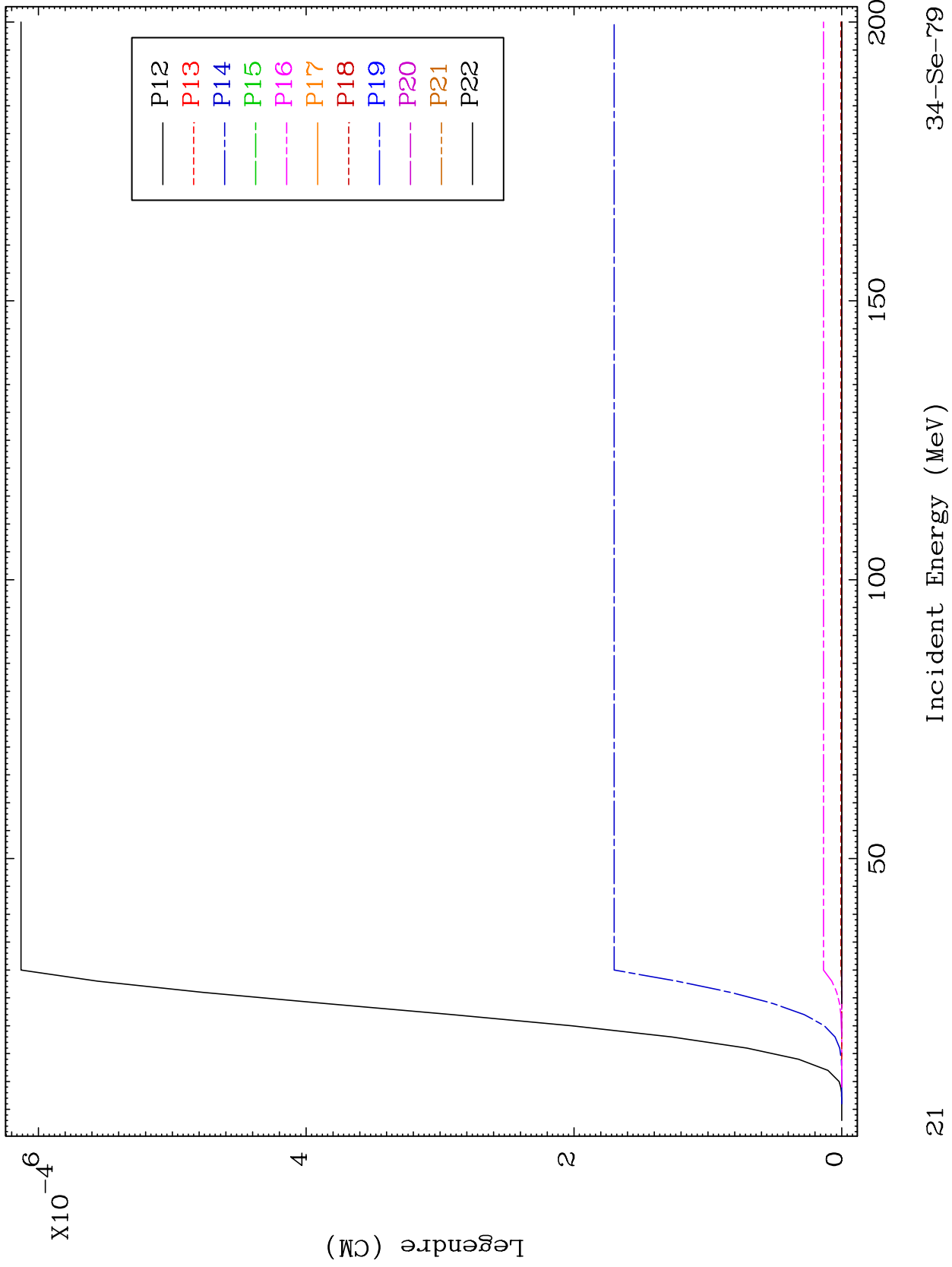
19

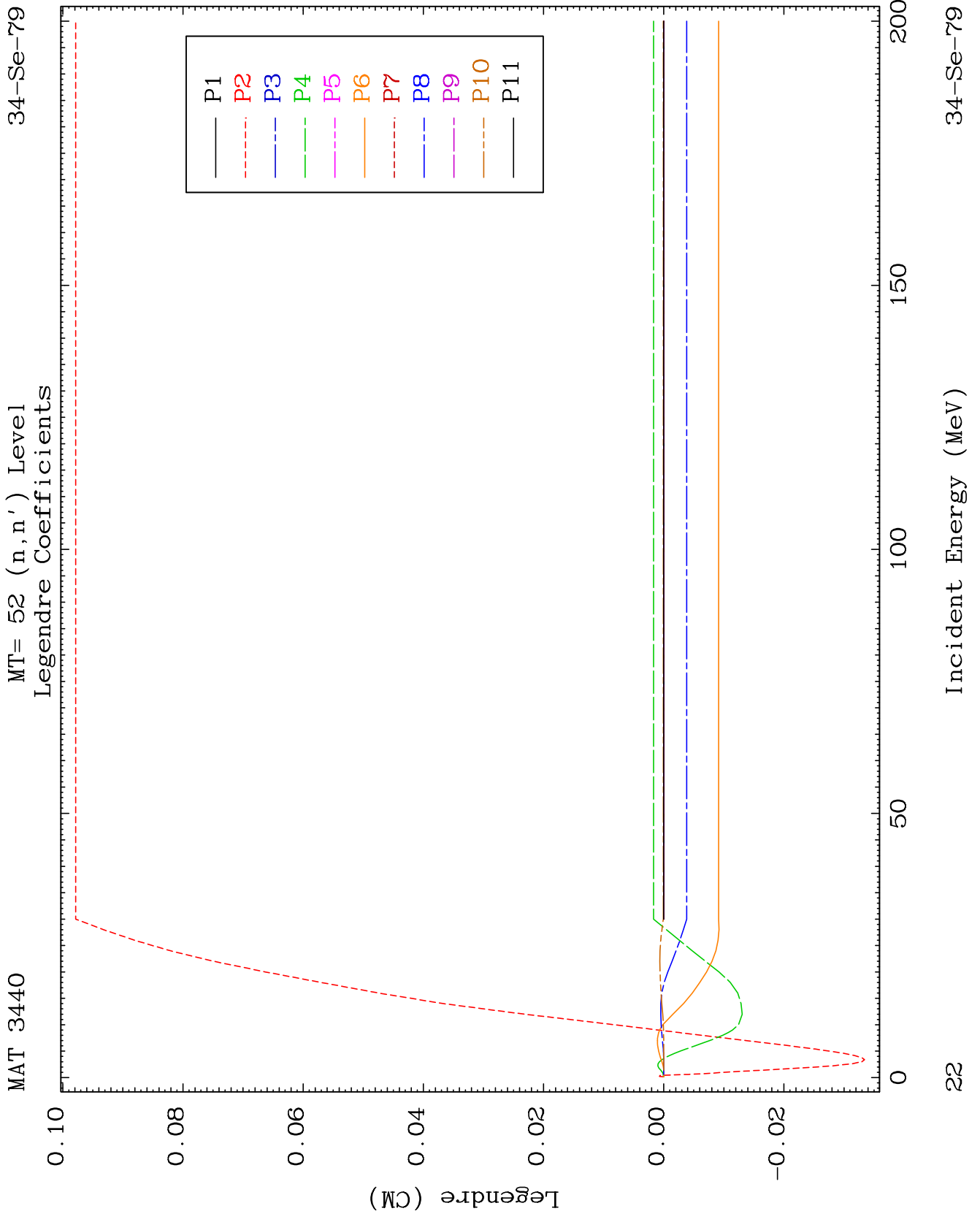


MAT 3440

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

34-Se-79

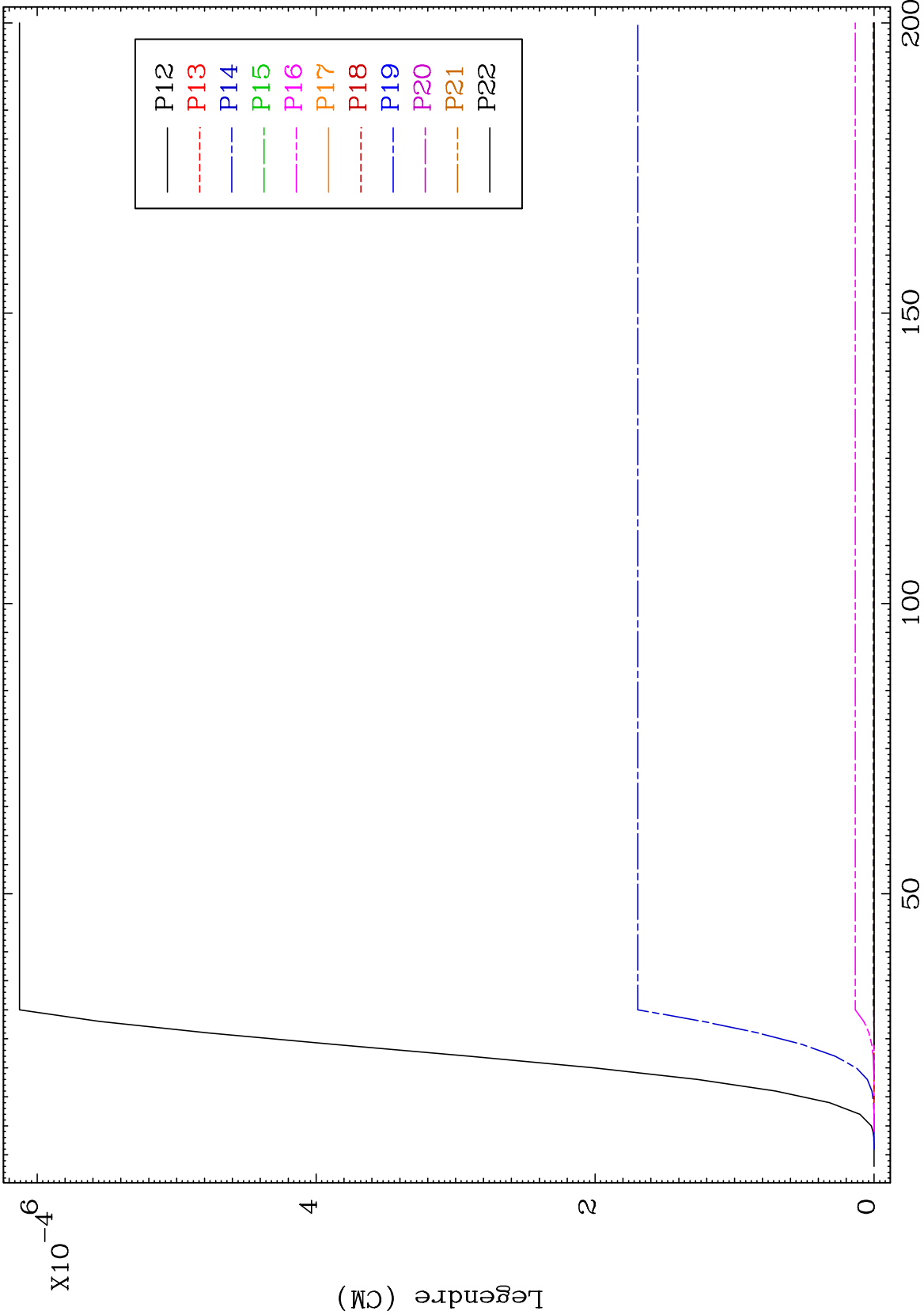




MAT 3440

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

34-Se-79



23

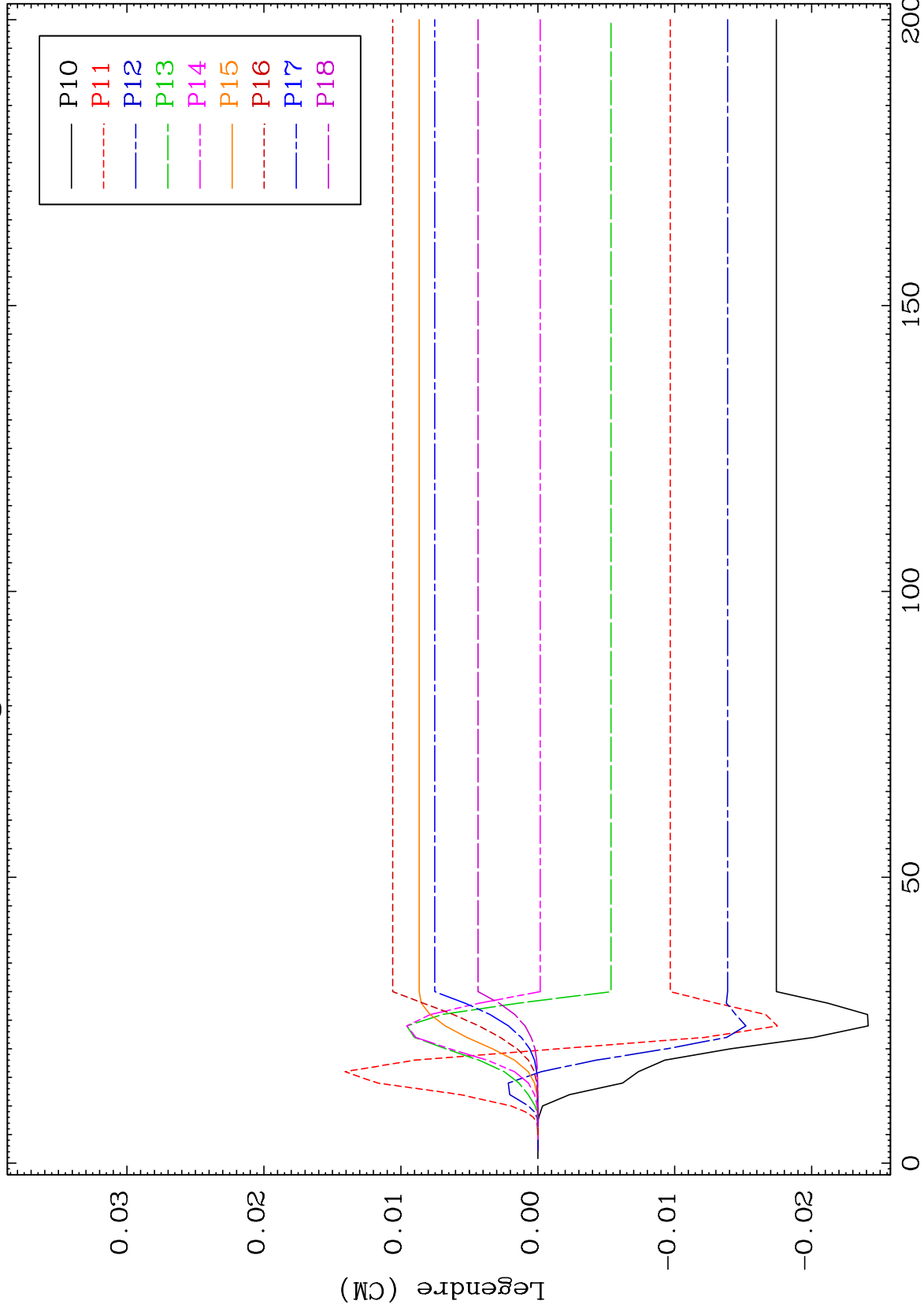
Incident Energy (MeV)

34-Se-79

MAT 3440

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

34-Se-79



25

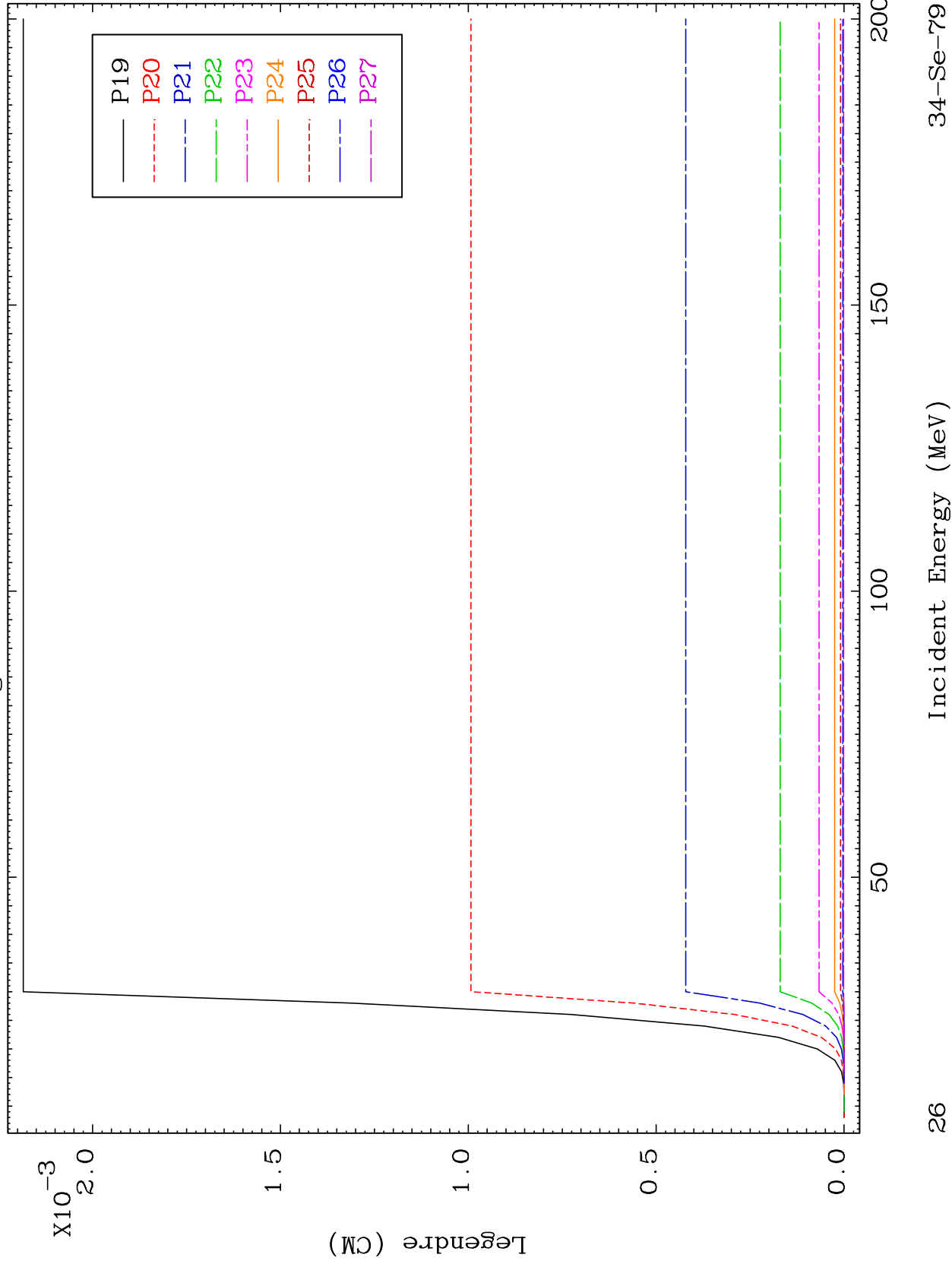
Incident Energy (MeV)

34-Se-79

MAT 3440

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

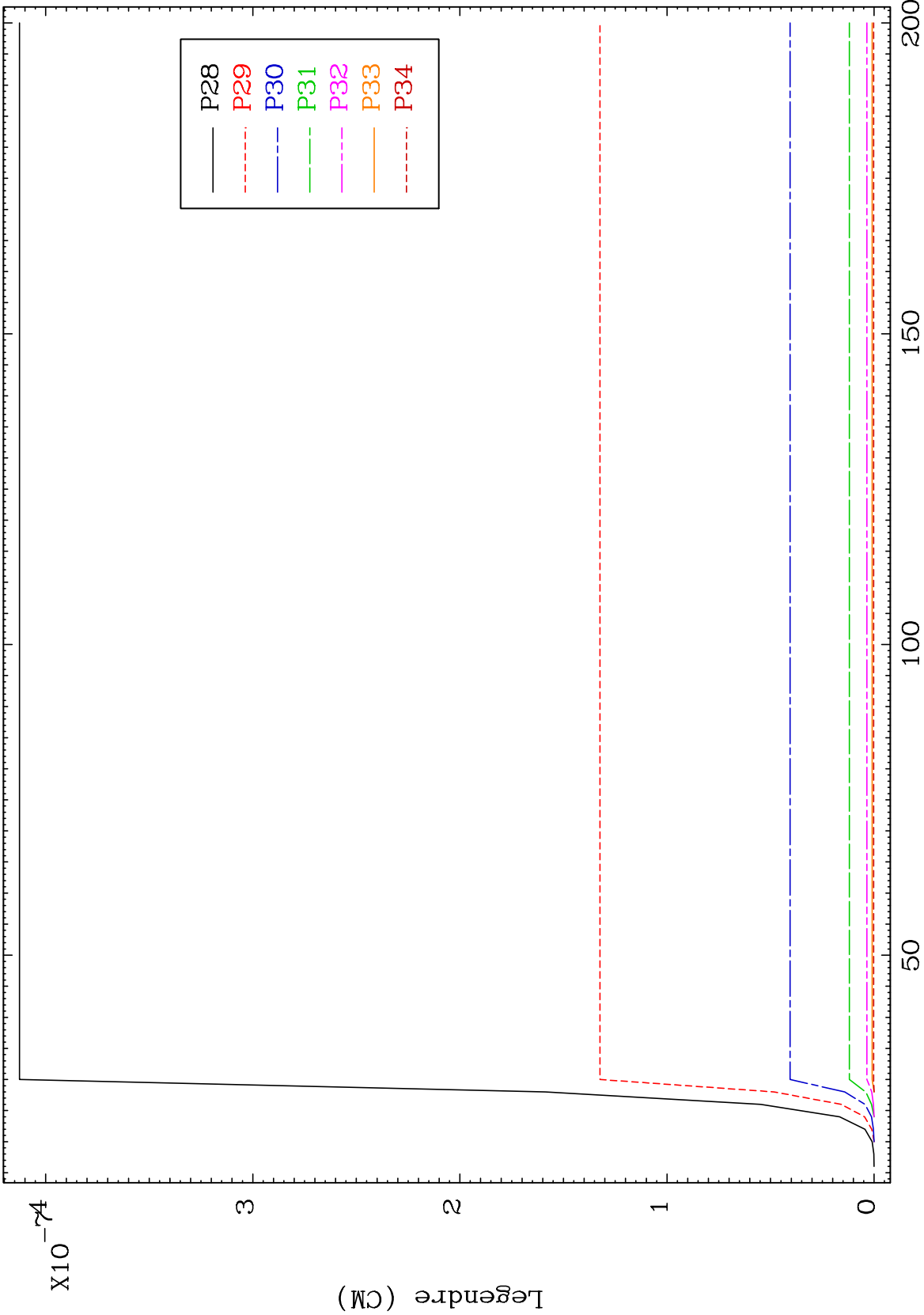
³⁴Se-79



MAT 3440

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

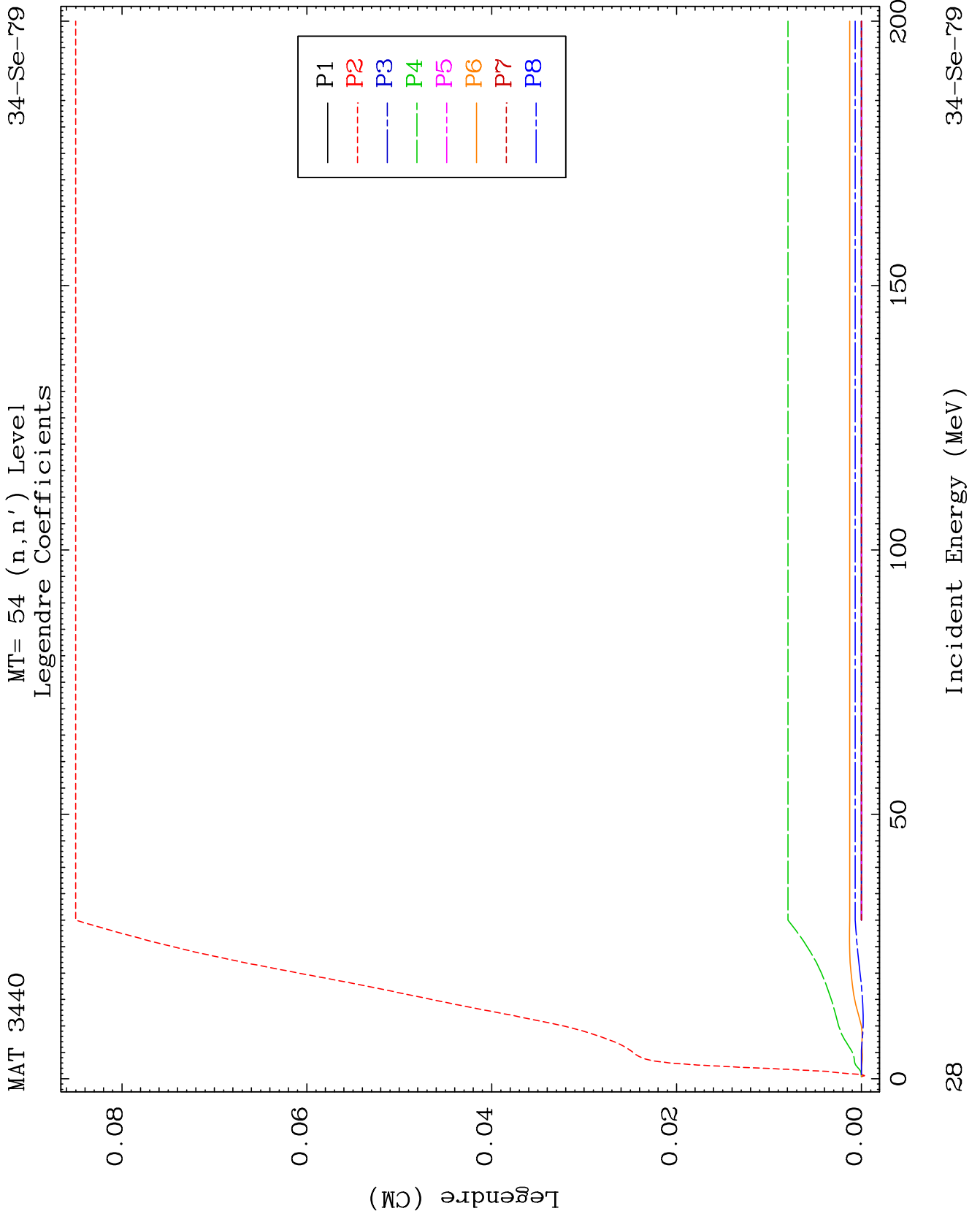
34-Se-79



27

Incident Energy (MeV)

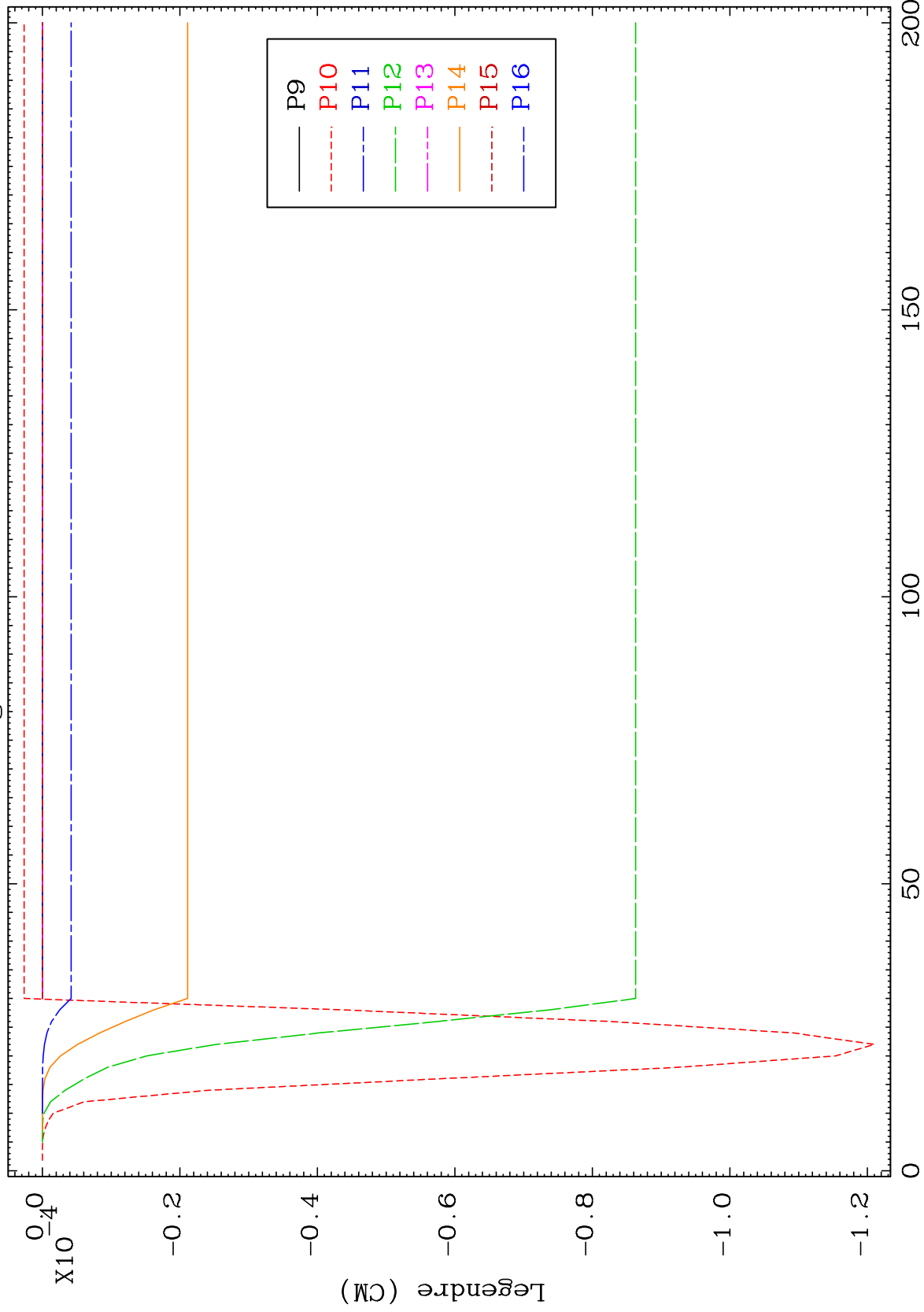
34-Se-79



MAT 3440

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

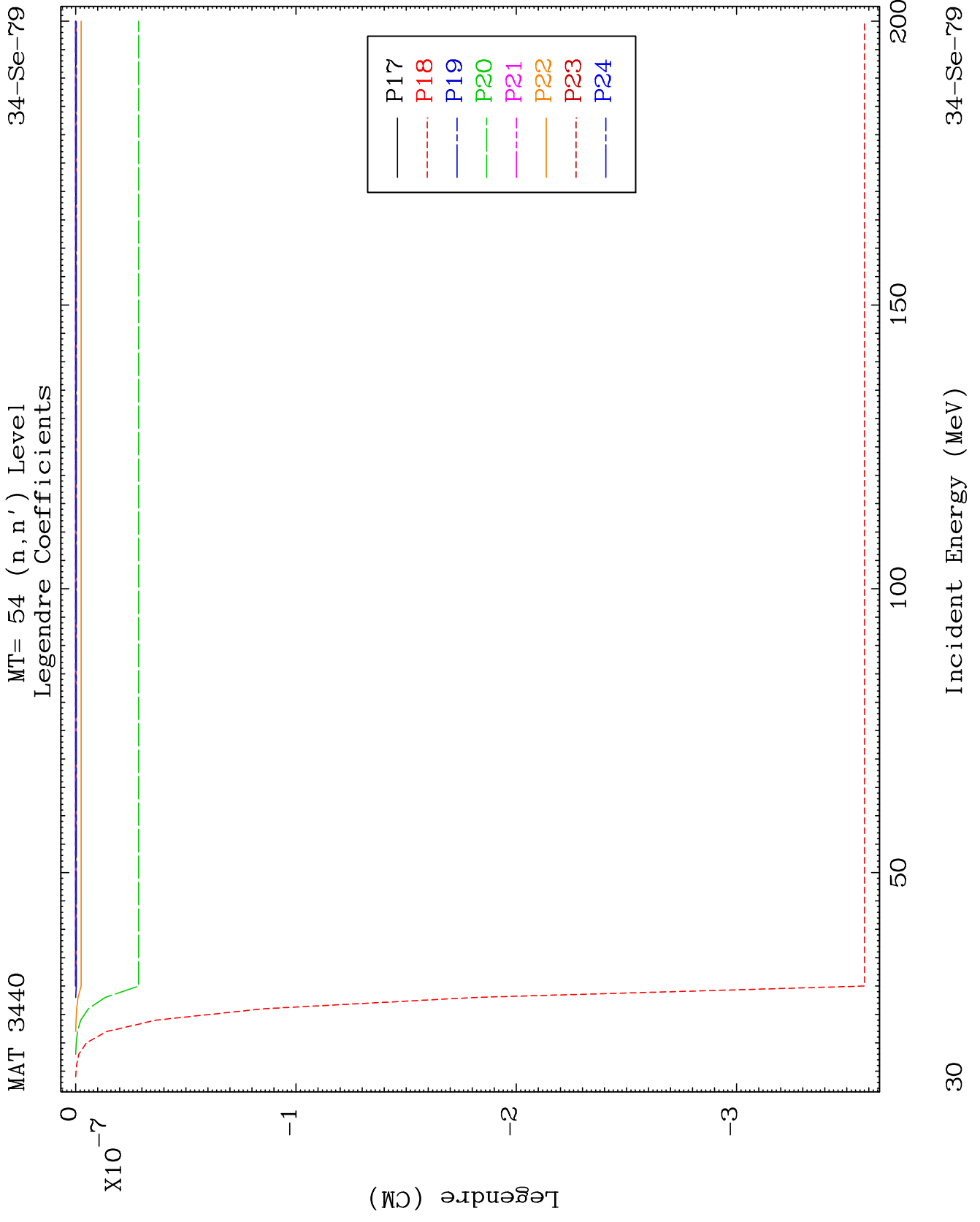
34-Se-79

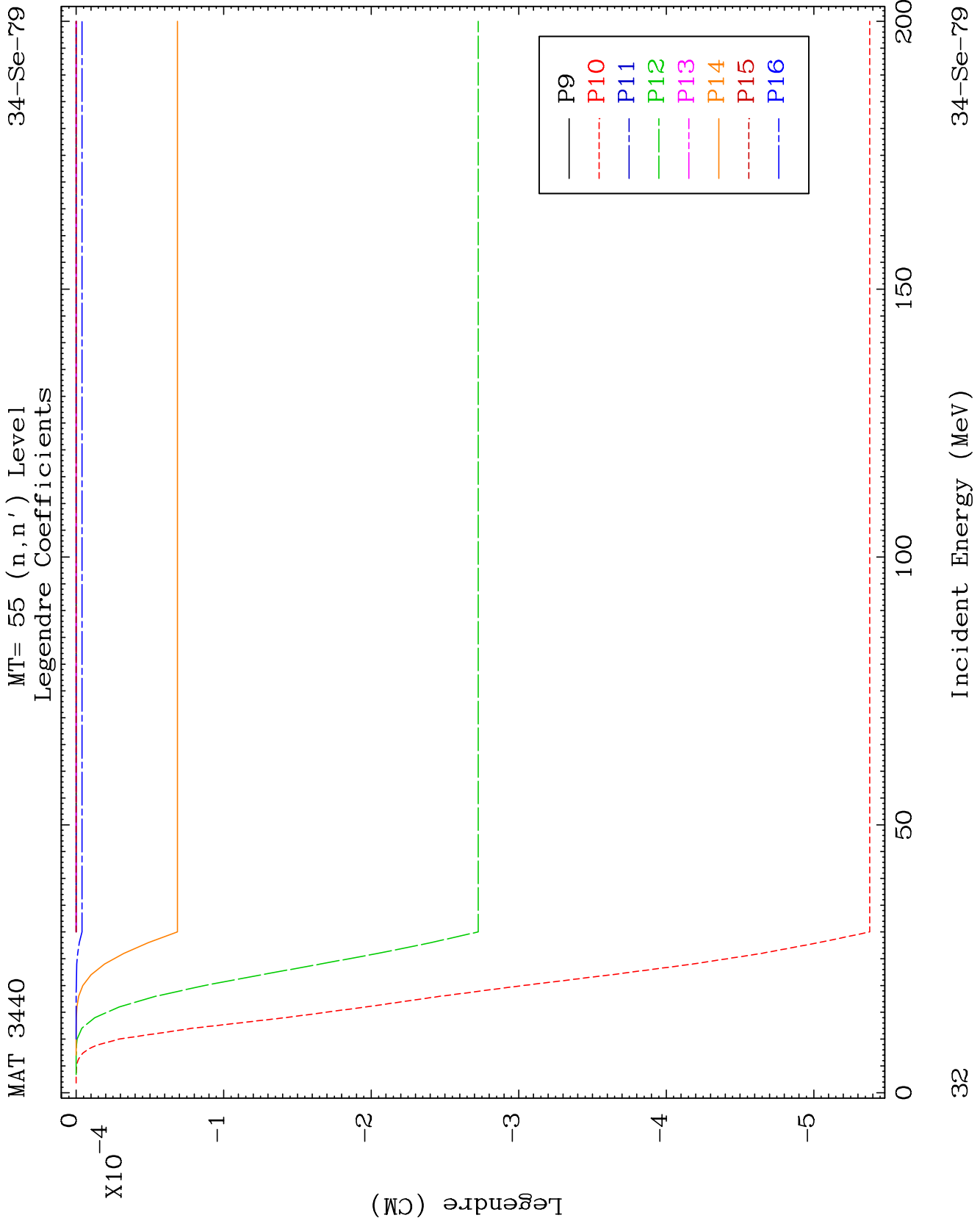


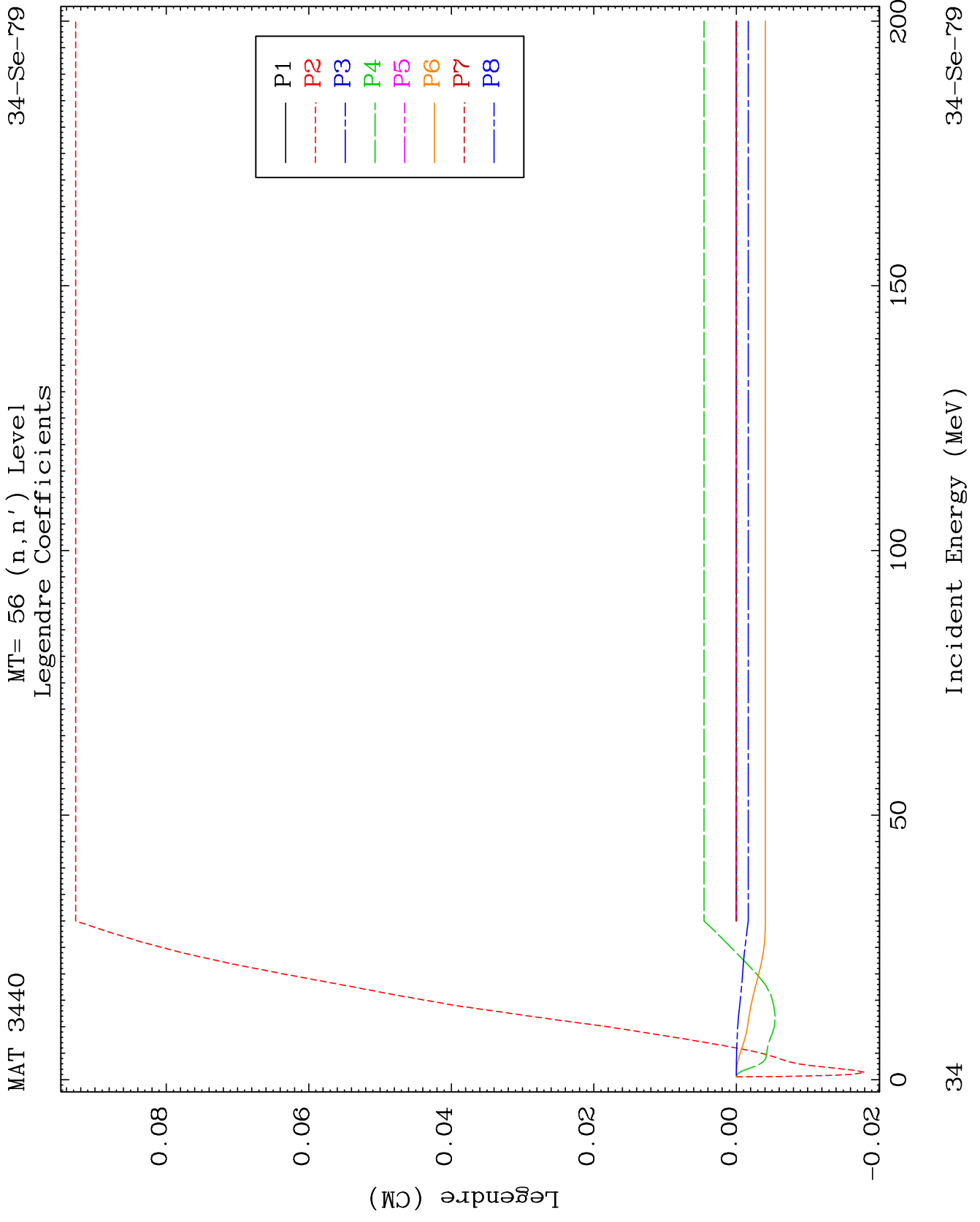
29

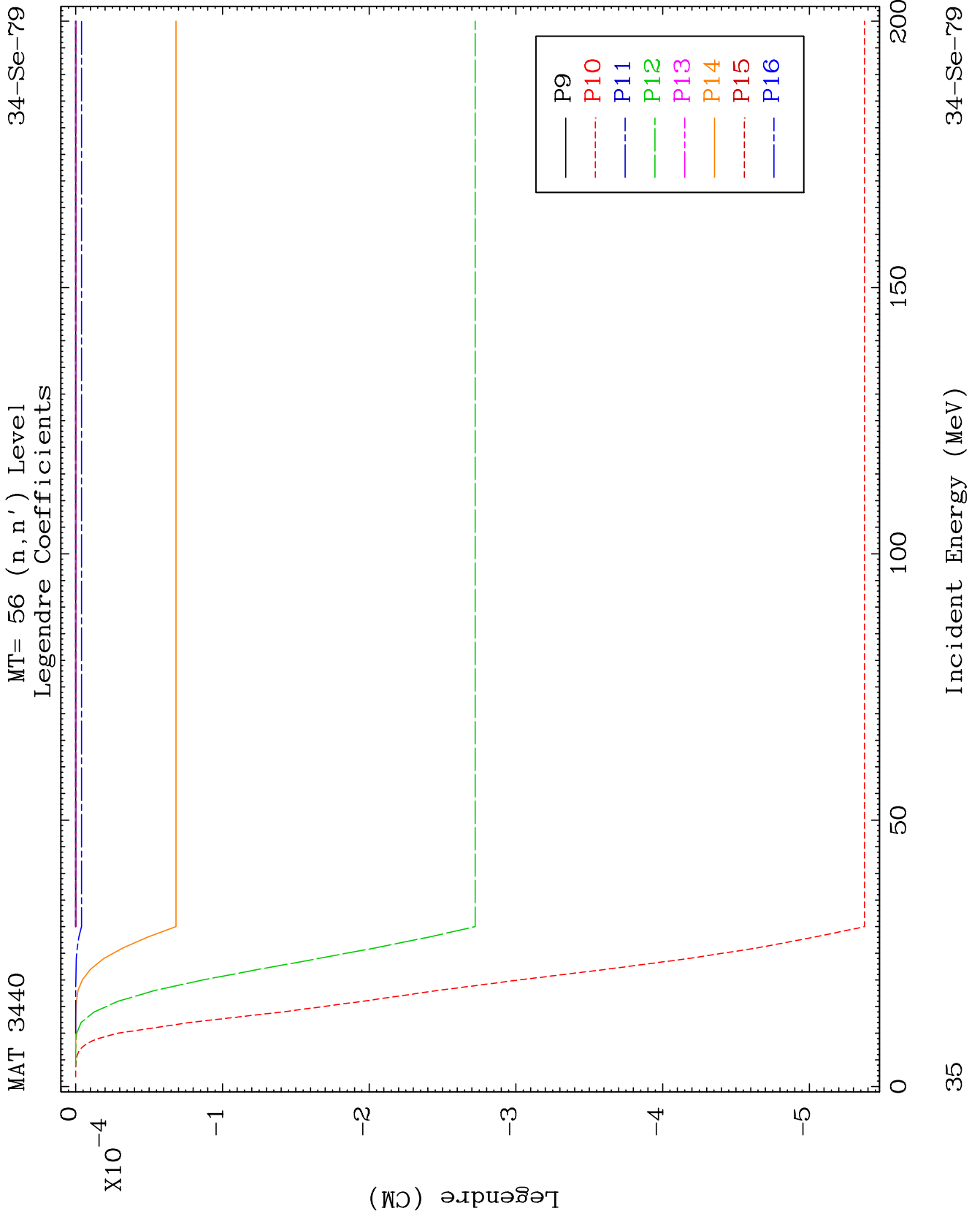
Incident Energy (MeV)

34-Se-79





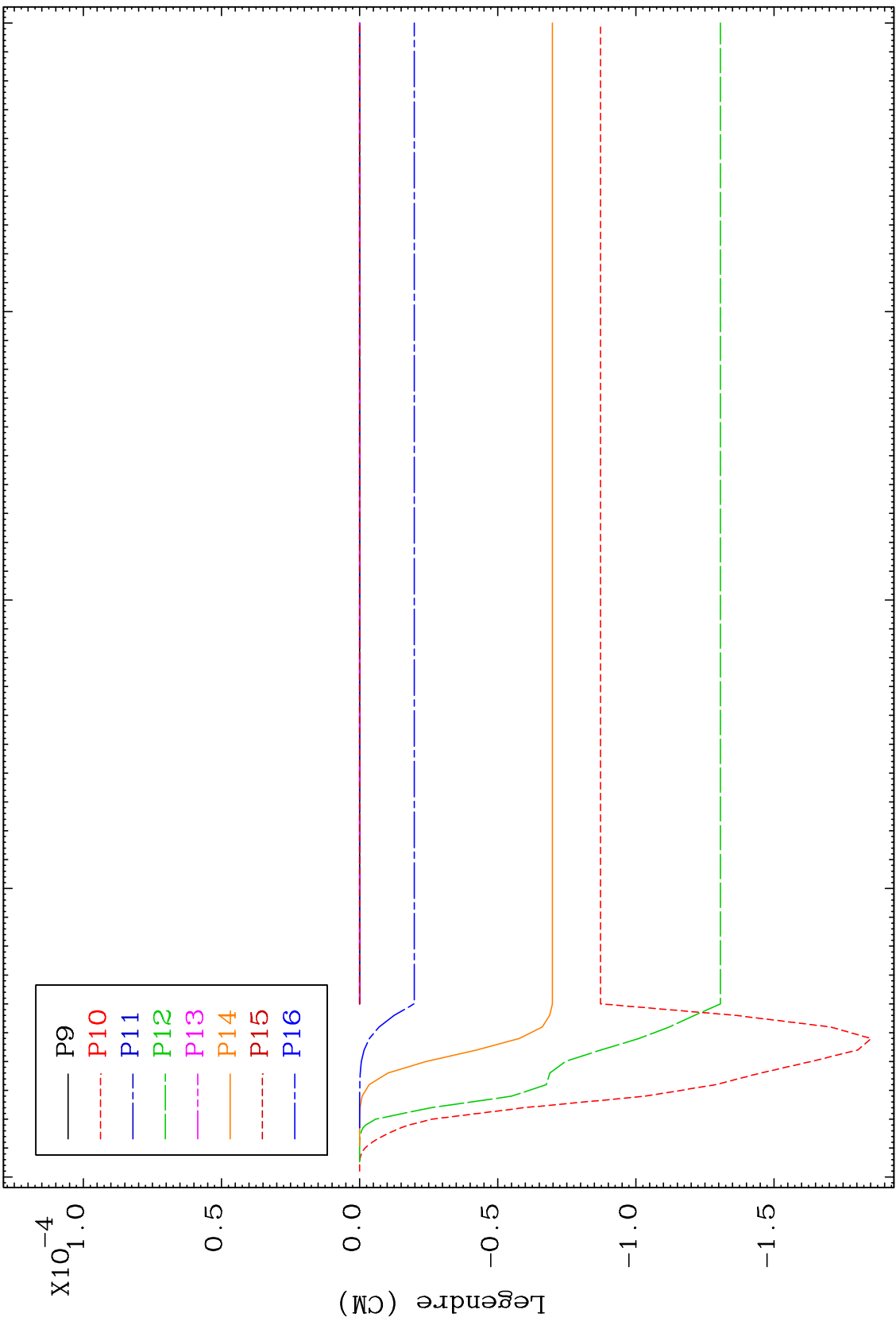
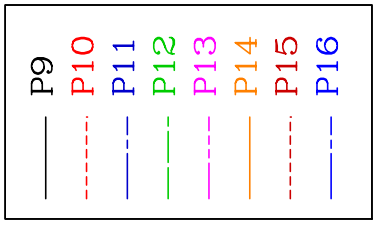




MAT 3440

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

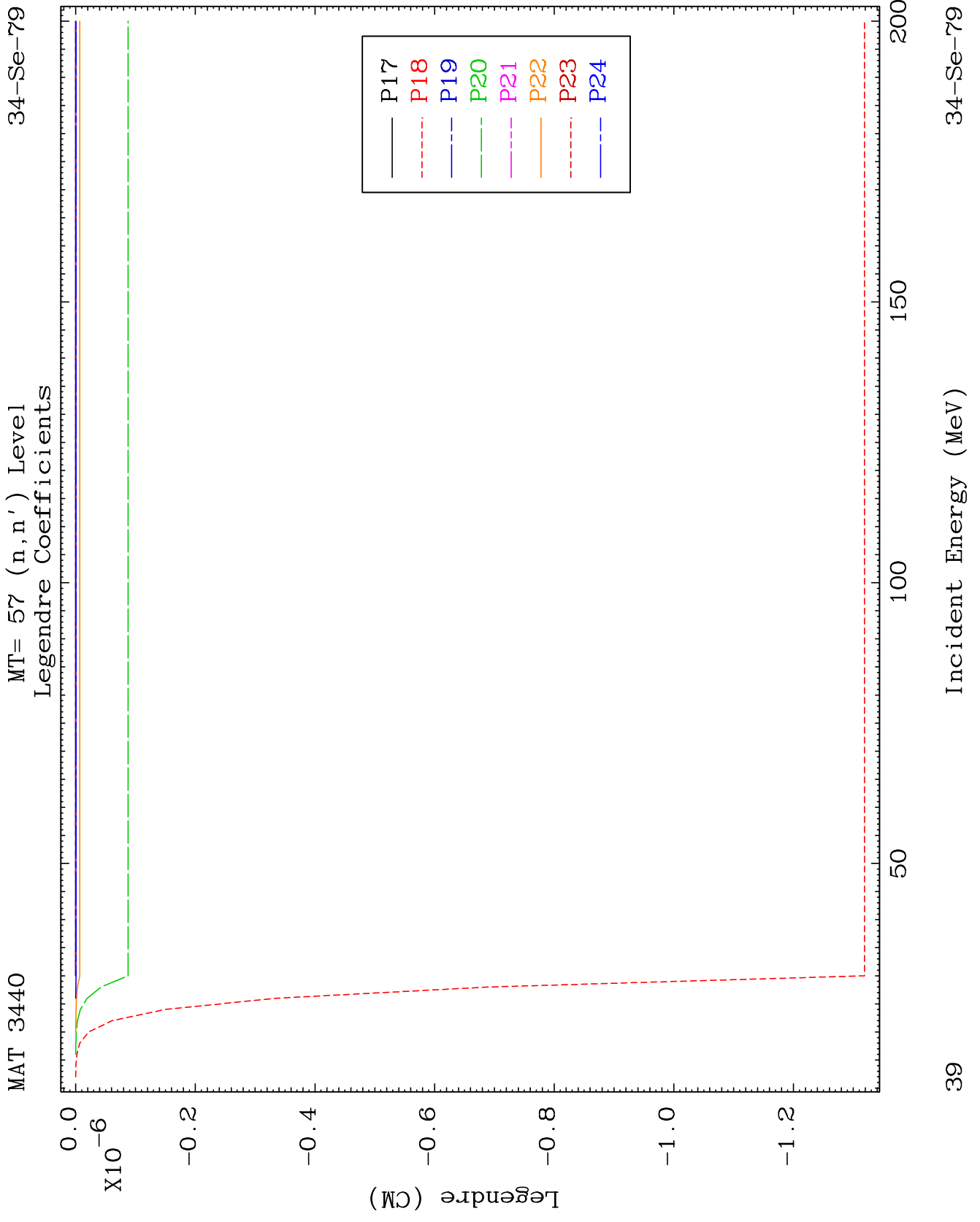
³⁴Se-79

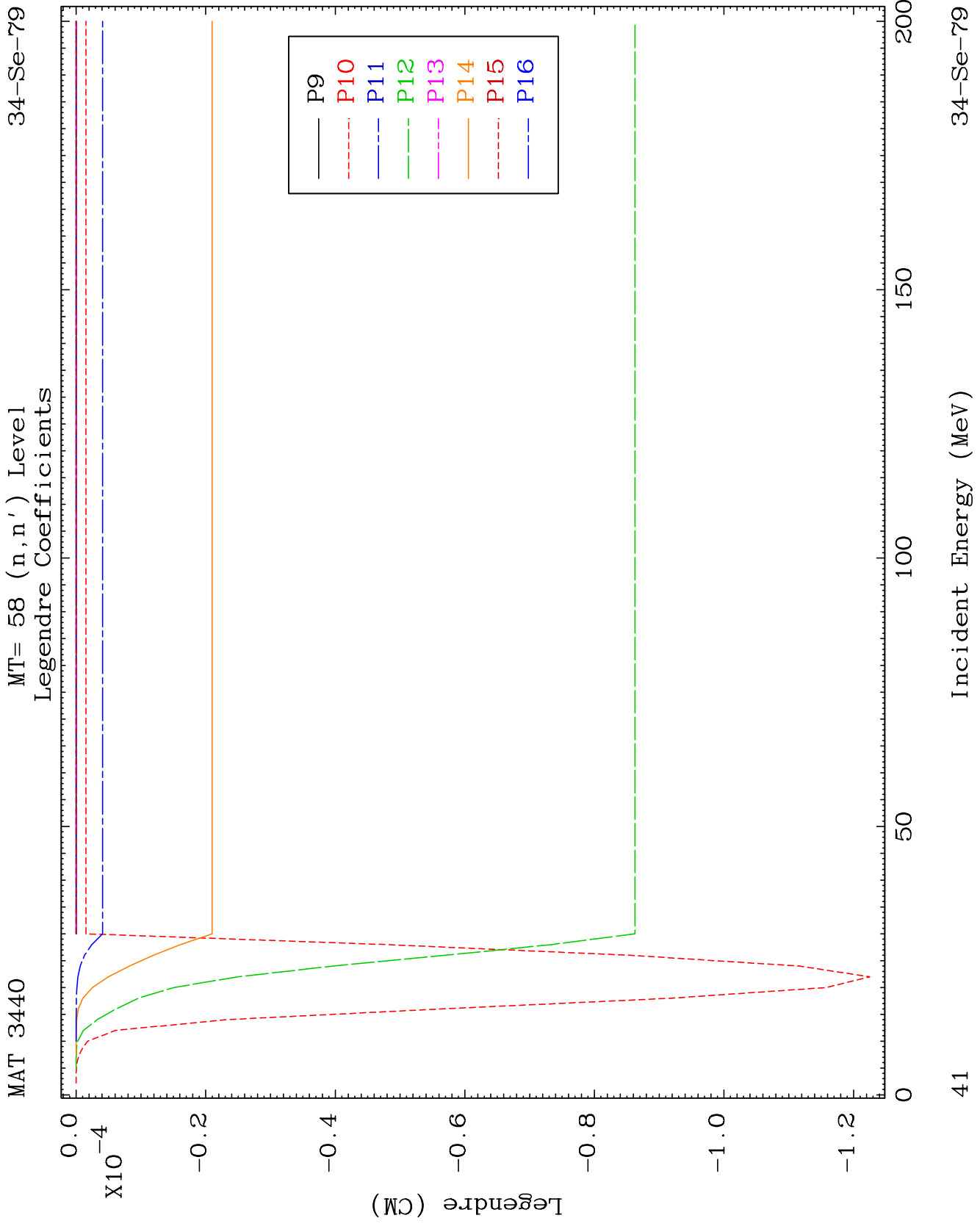


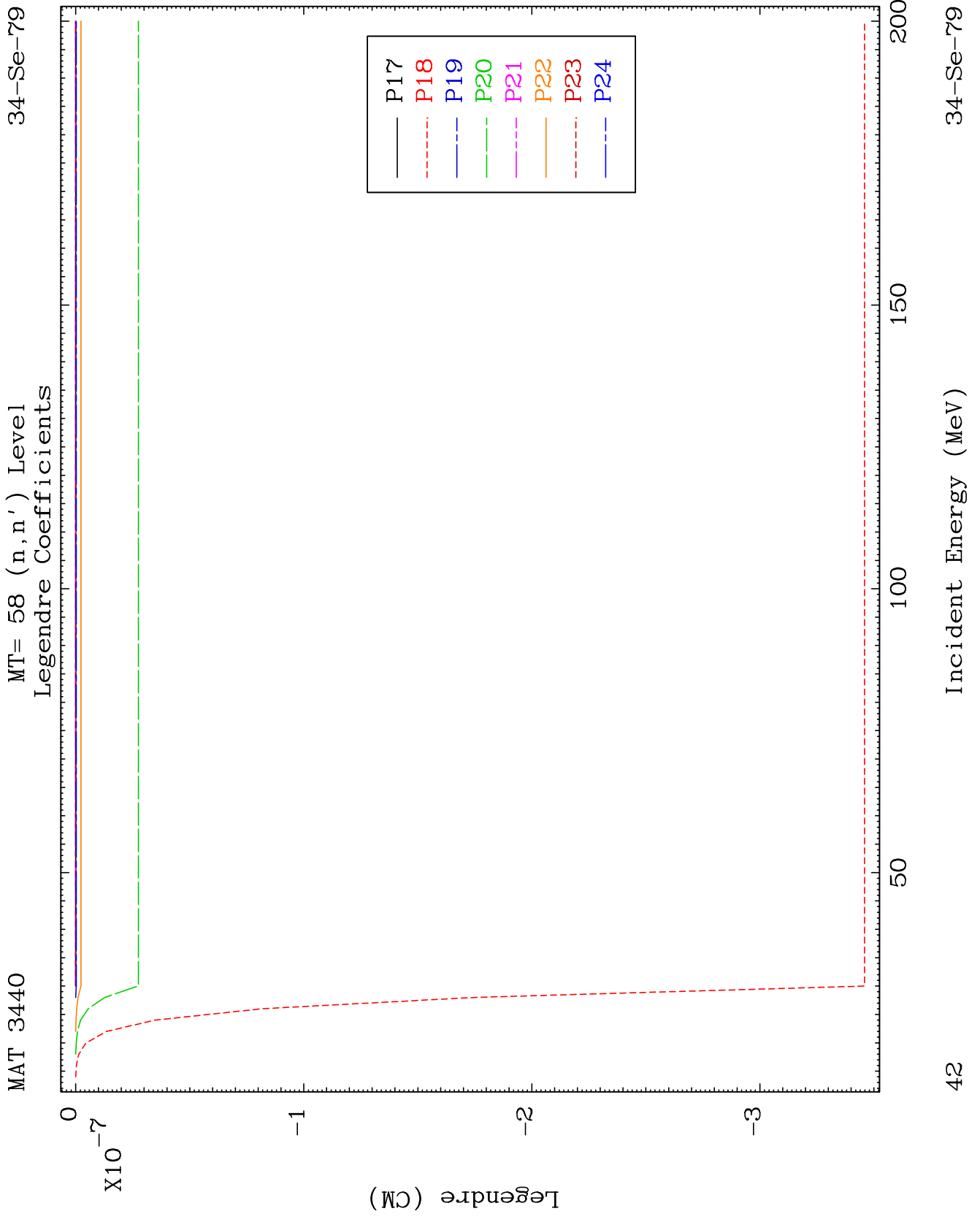
38

Incident Energy (MeV)

³⁴Se-79



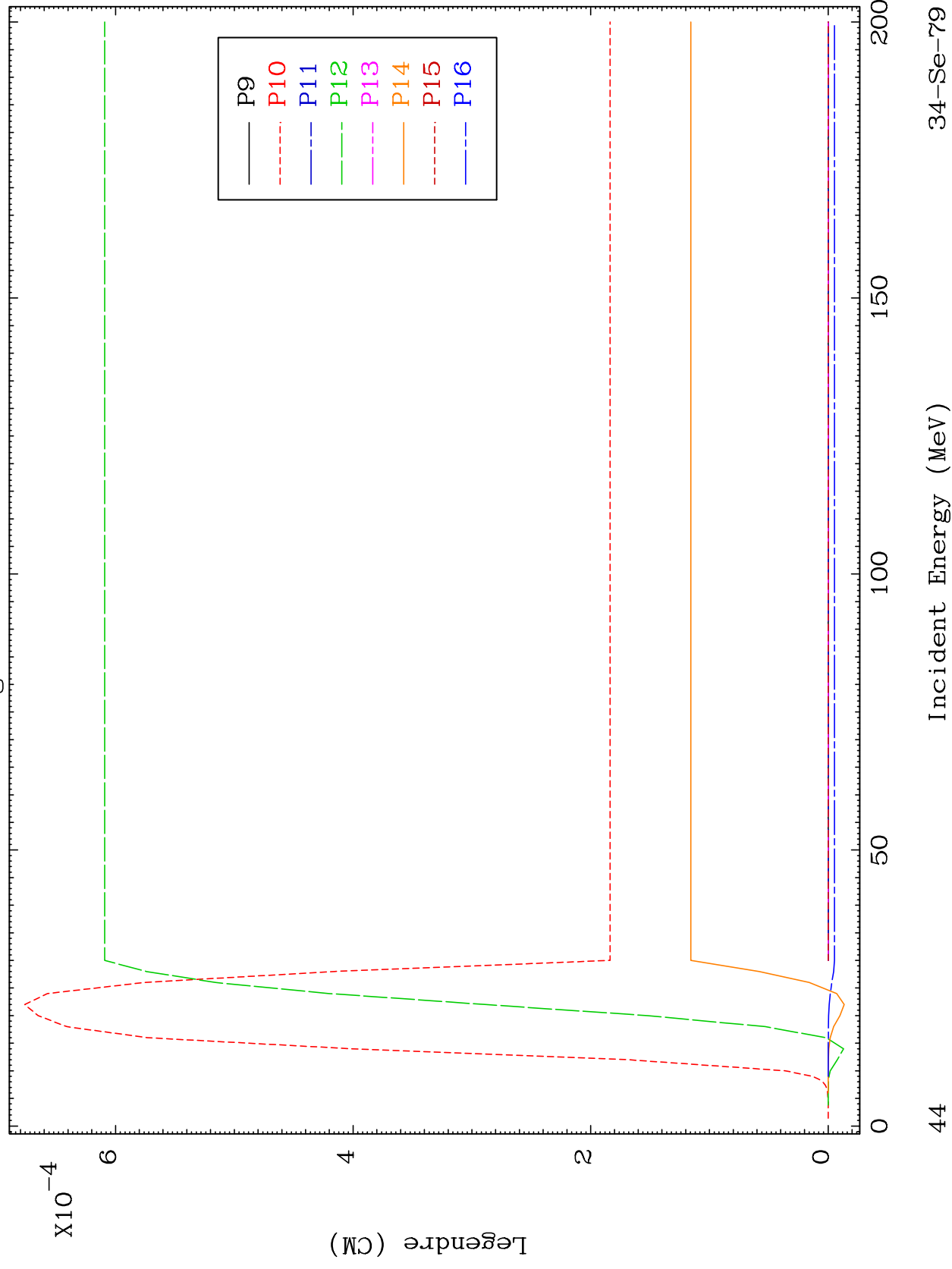




MAT 3440

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

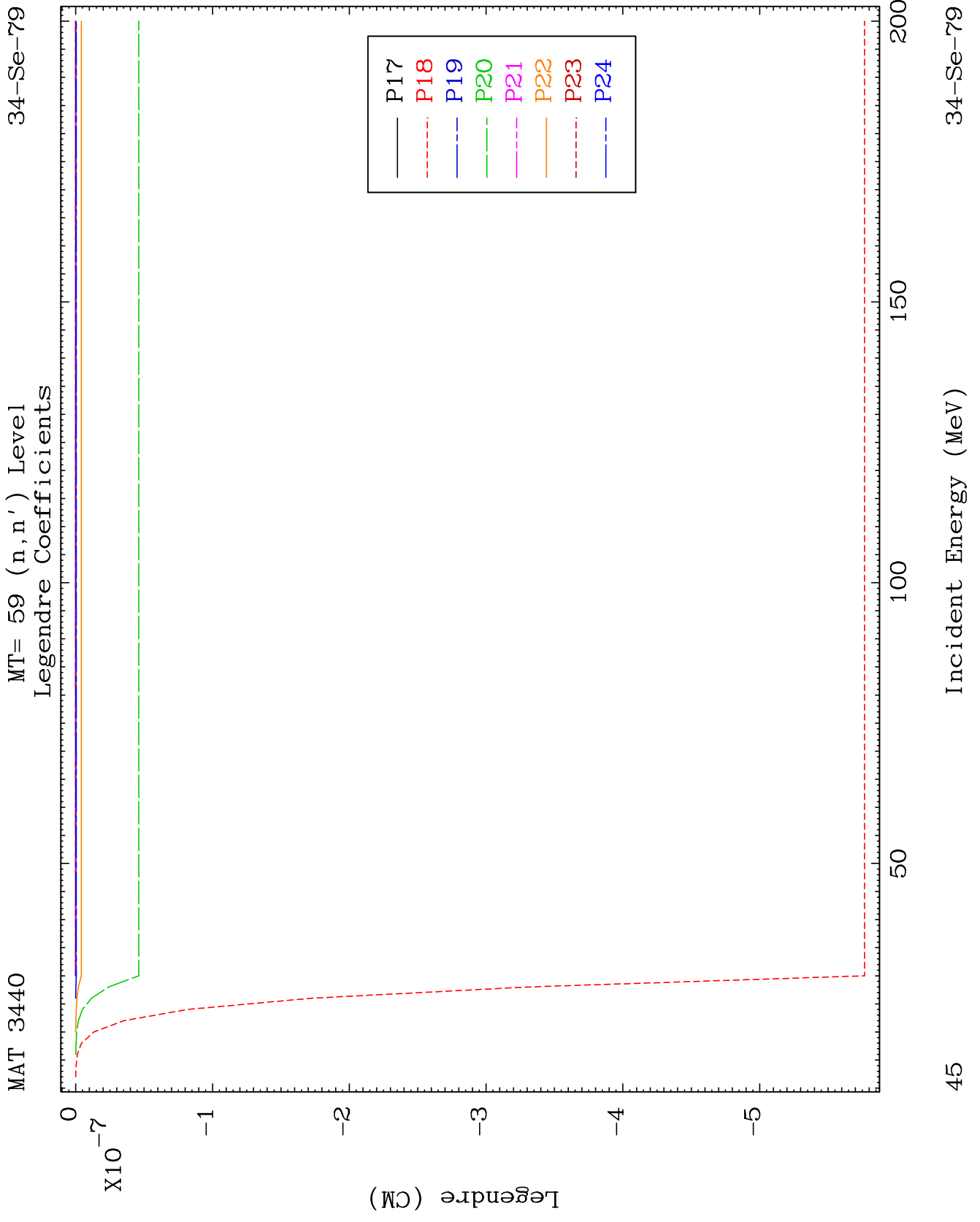
34-Se-79



44

Incident Energy (MeV)

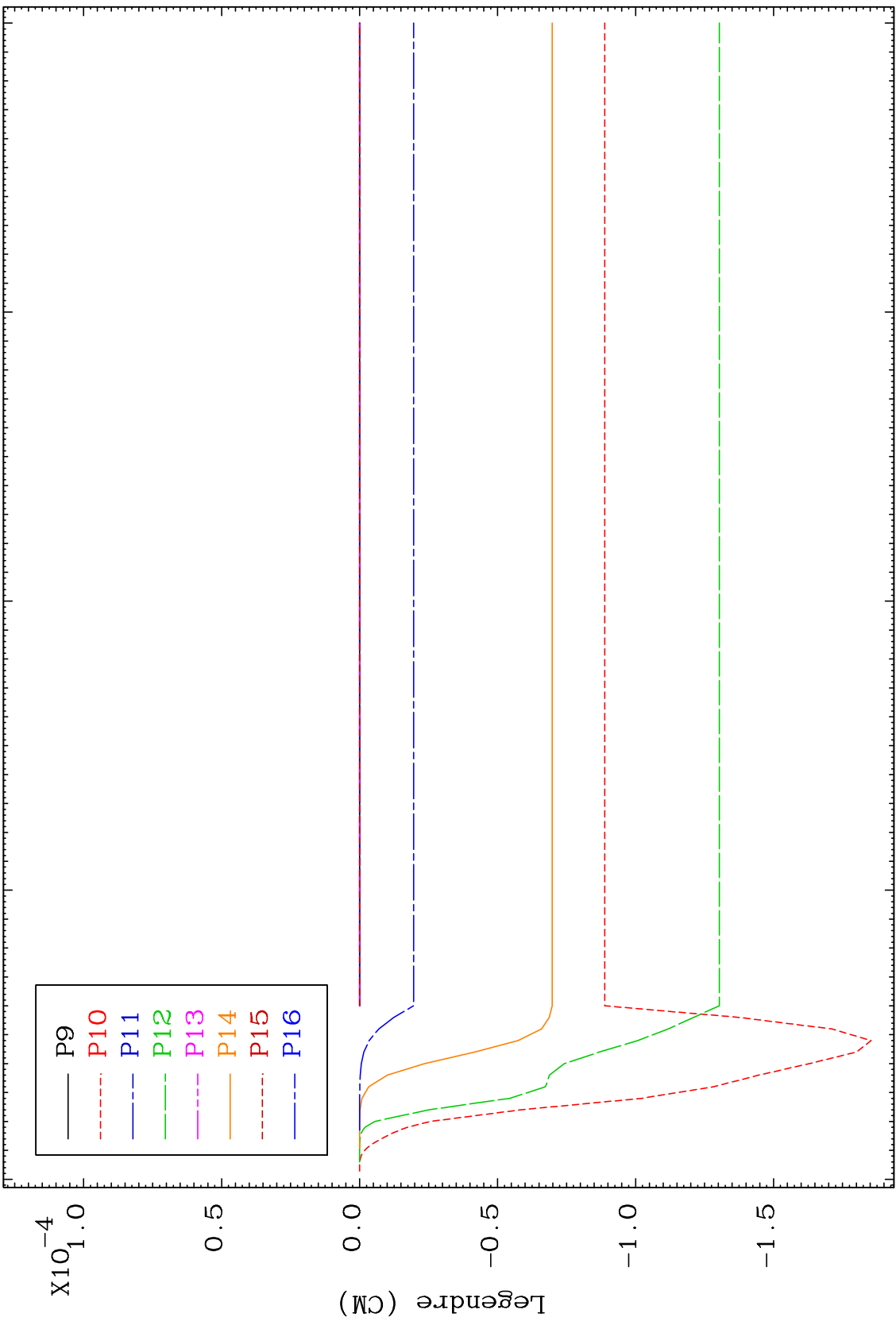
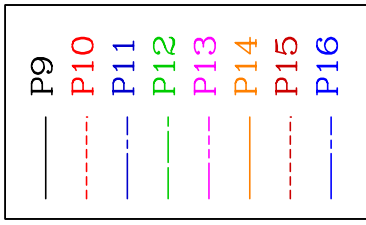
34-Se-79



MAT 3440

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

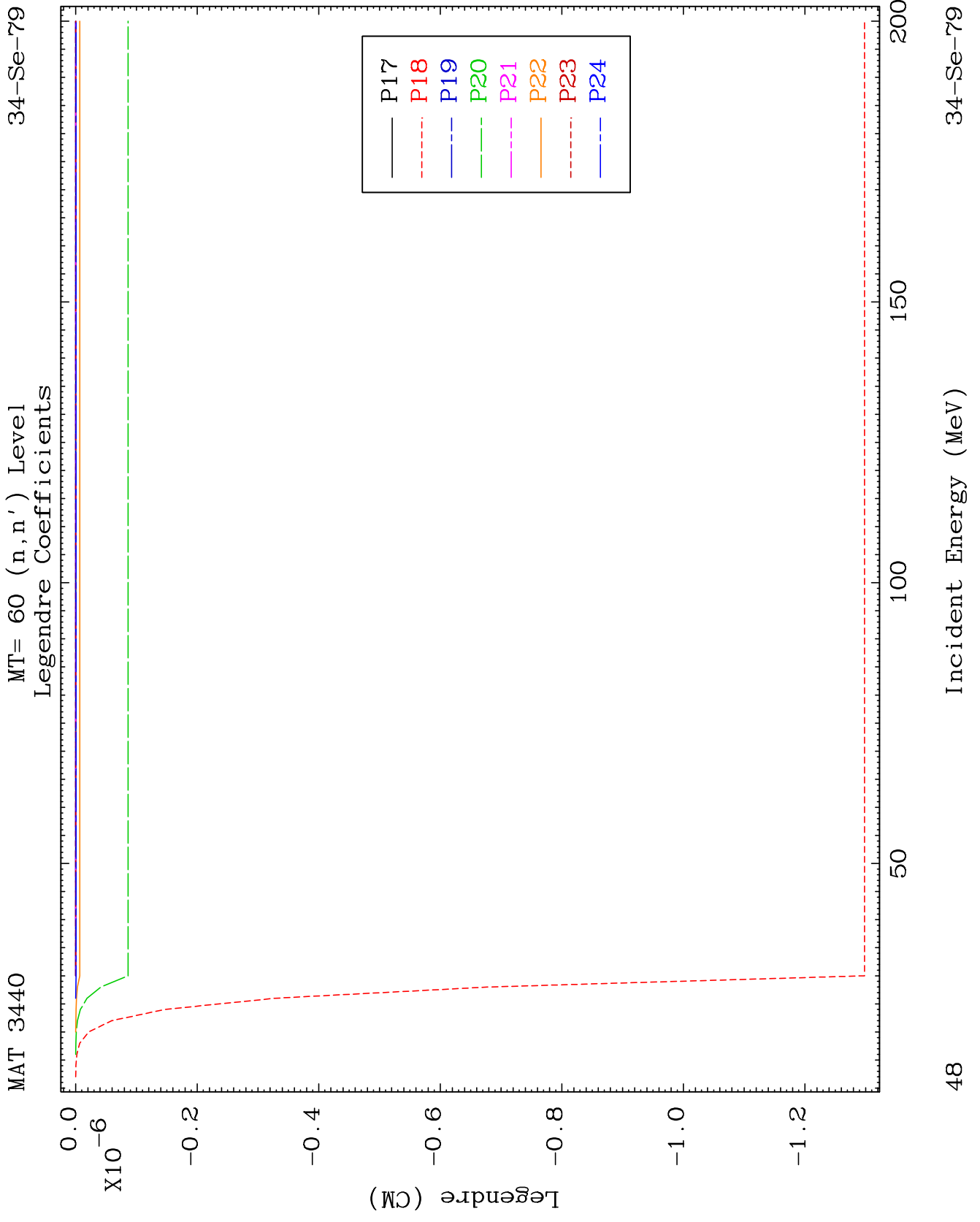
34-Se-79



47

Incident Energy (MeV)

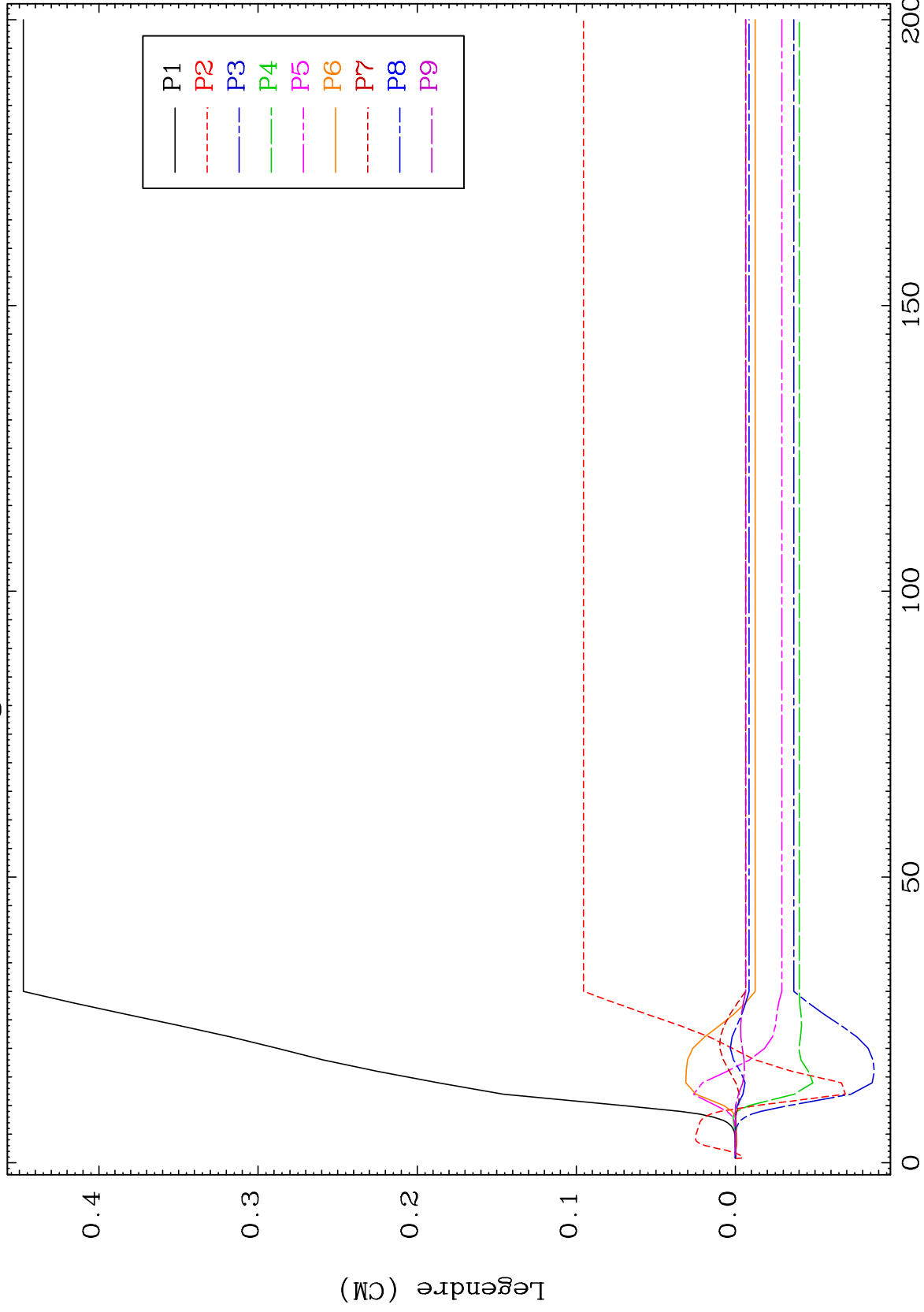
34-Se-79



MAT 3440

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

³⁴Se-79



49

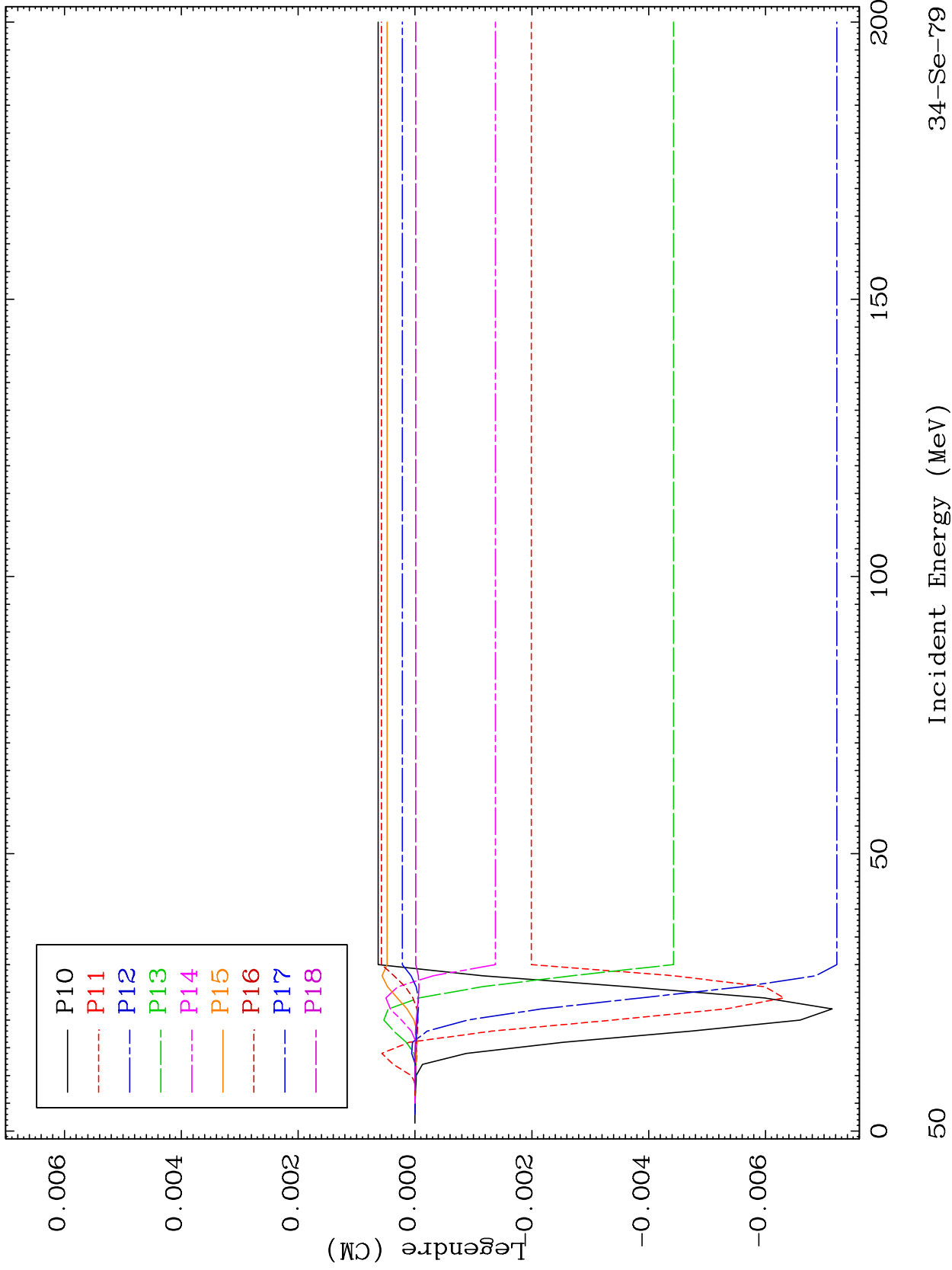
Incident Energy (MeV)

³⁴Se-79

MAT 3440

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

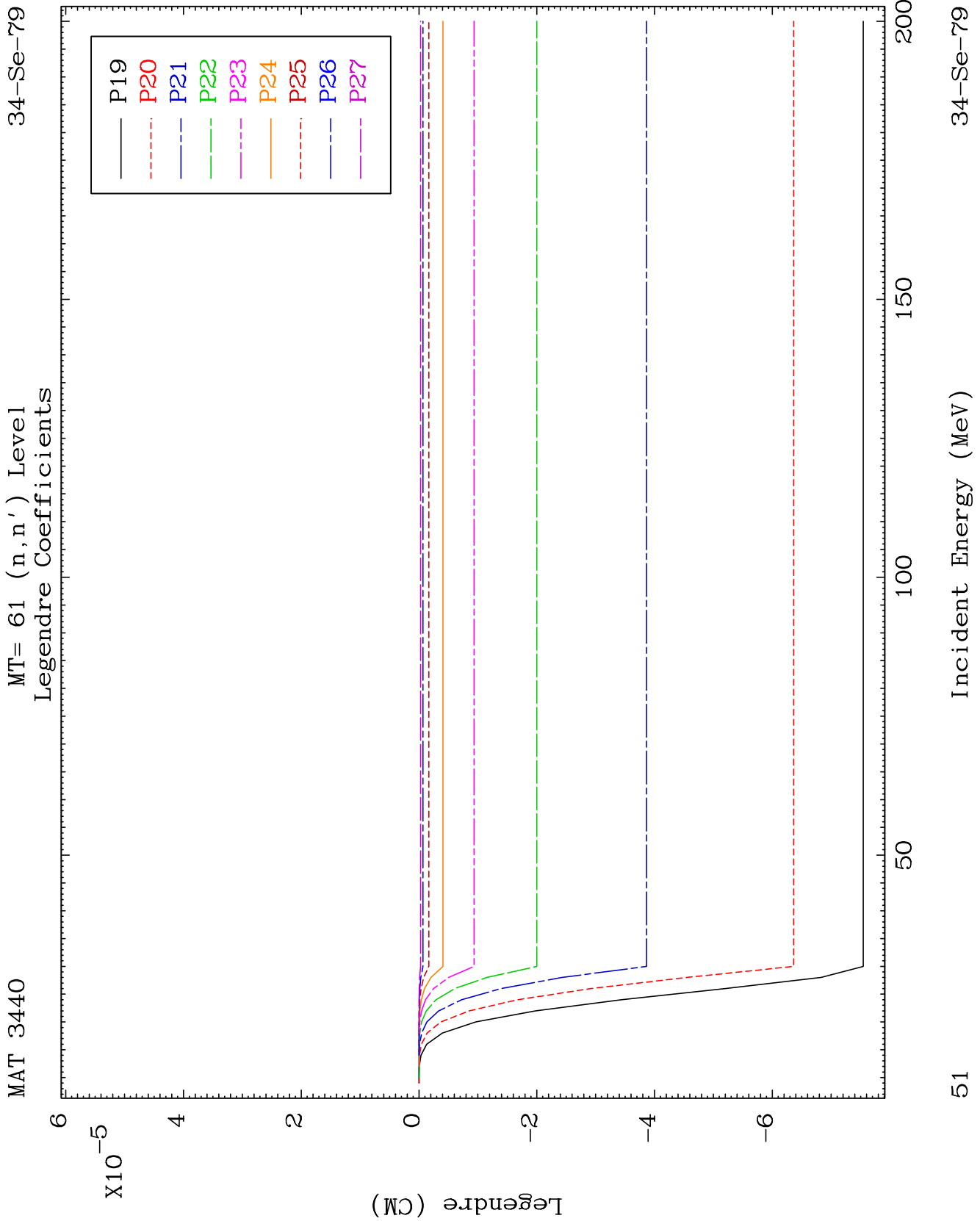
34-Se-79

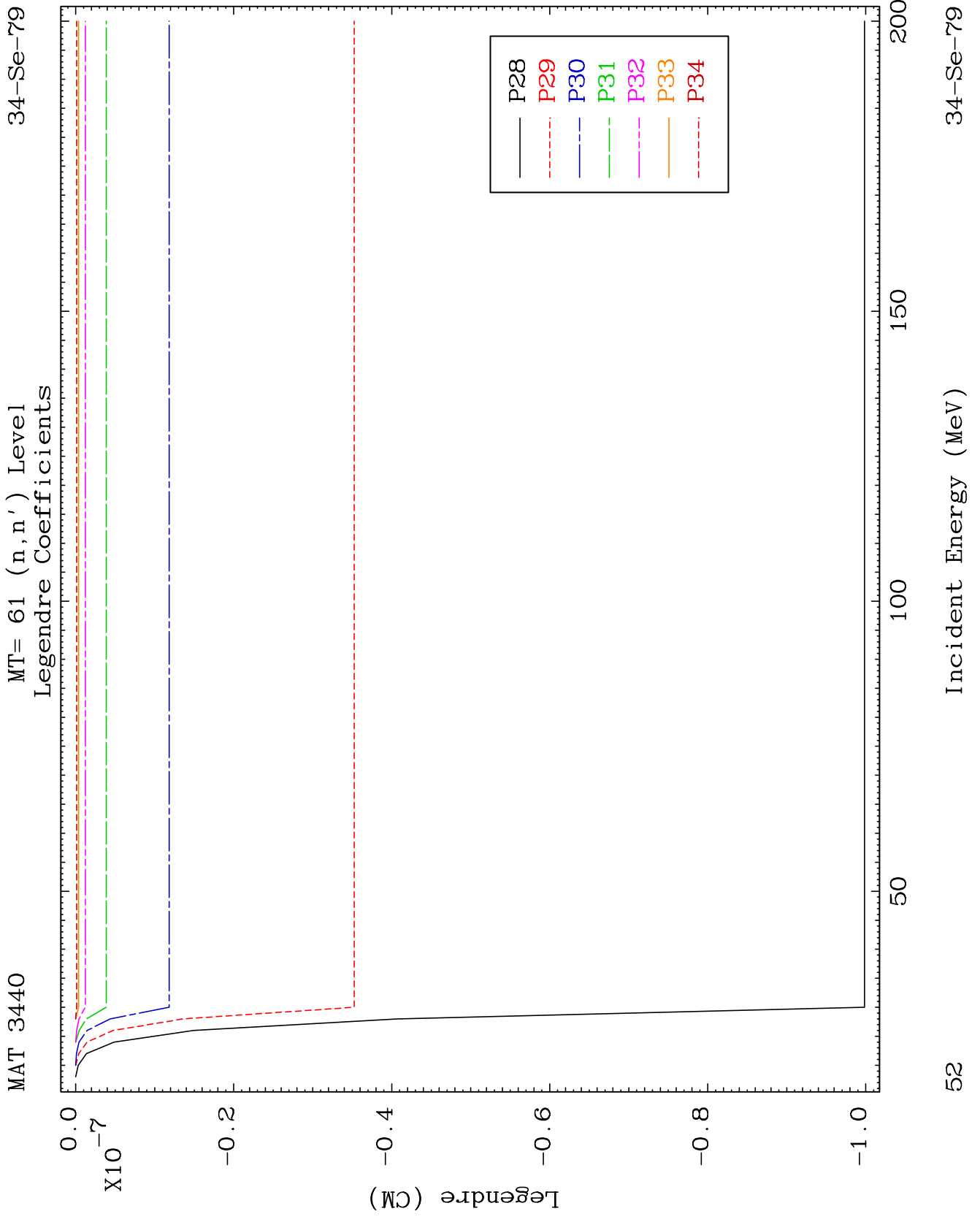


34-Se-79

Incident Energy (MeV)

50

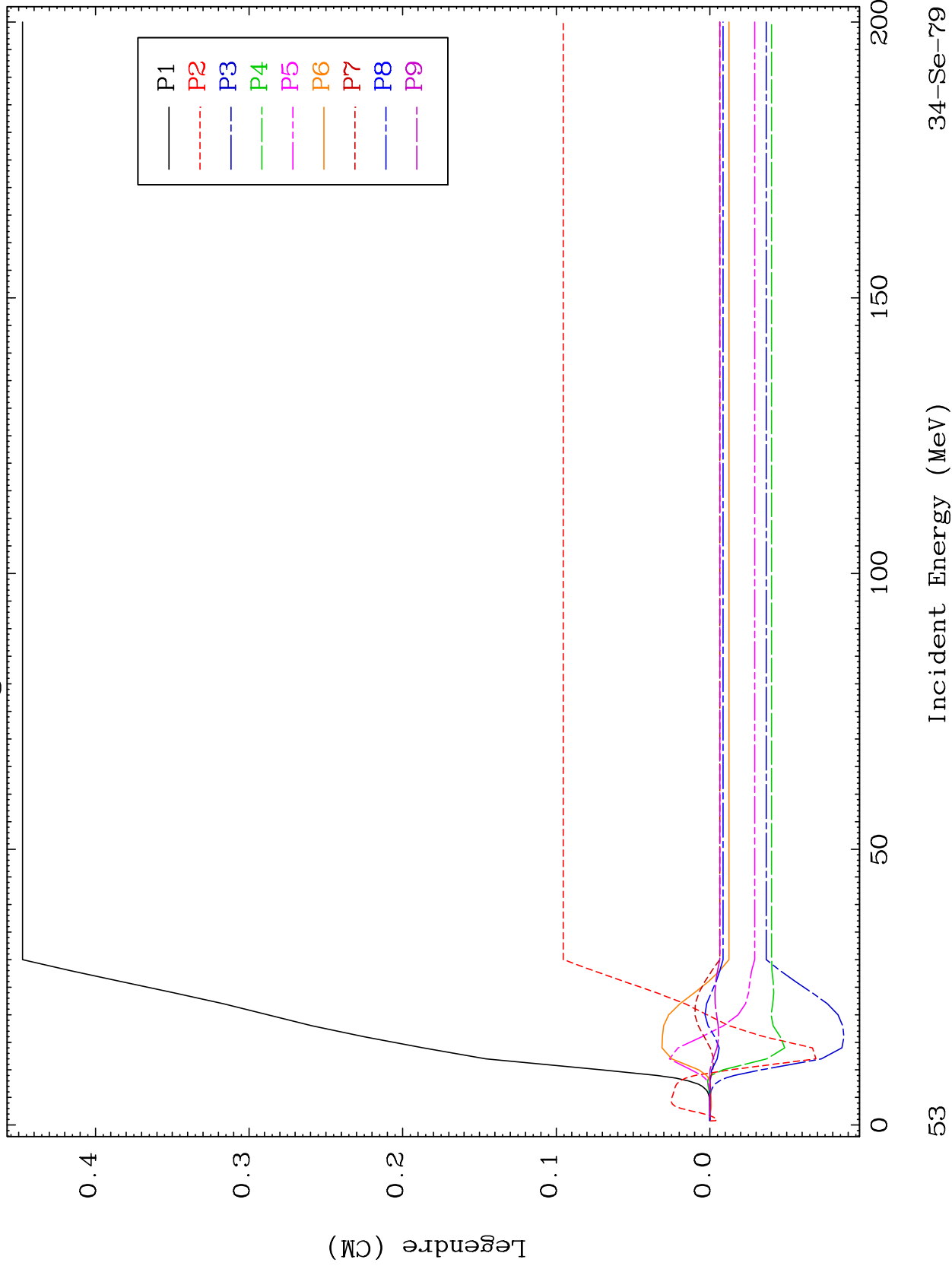




MAT 3440

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

³⁴Se-79



³⁴Se-79

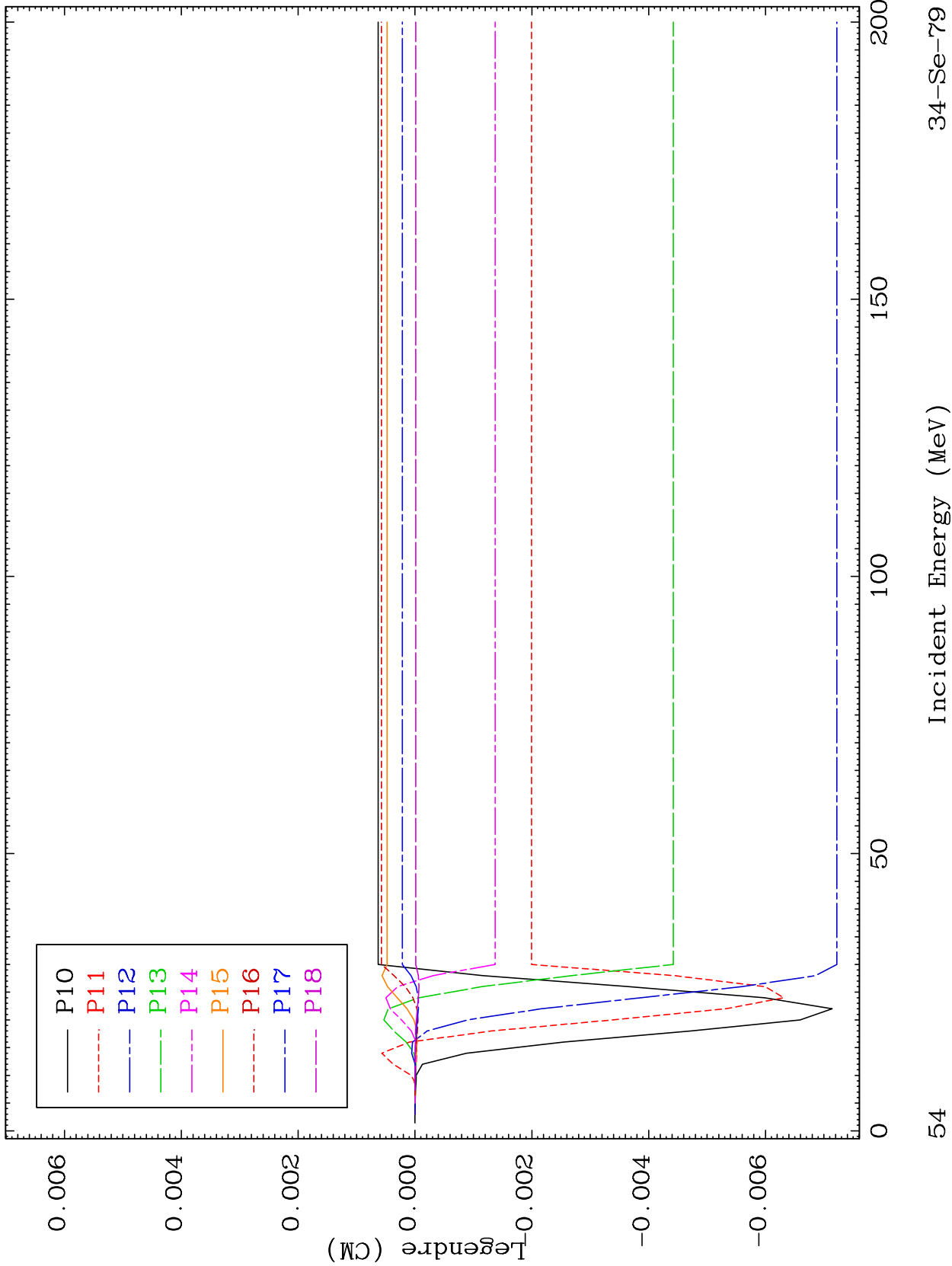
Incident Energy (MeV)

53

MAT 3440

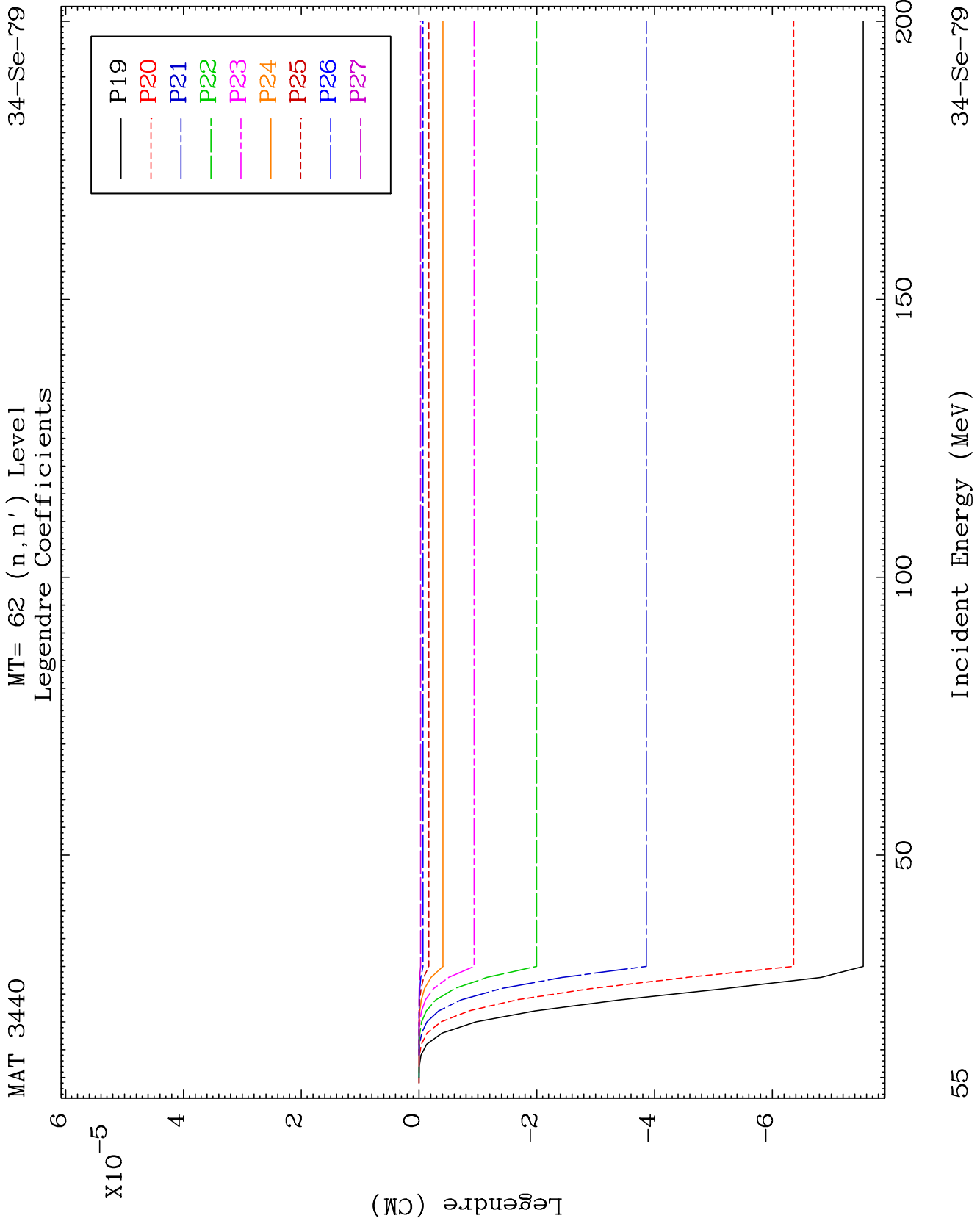
MT= 62 (n,n') Level
Legendre Coefficients

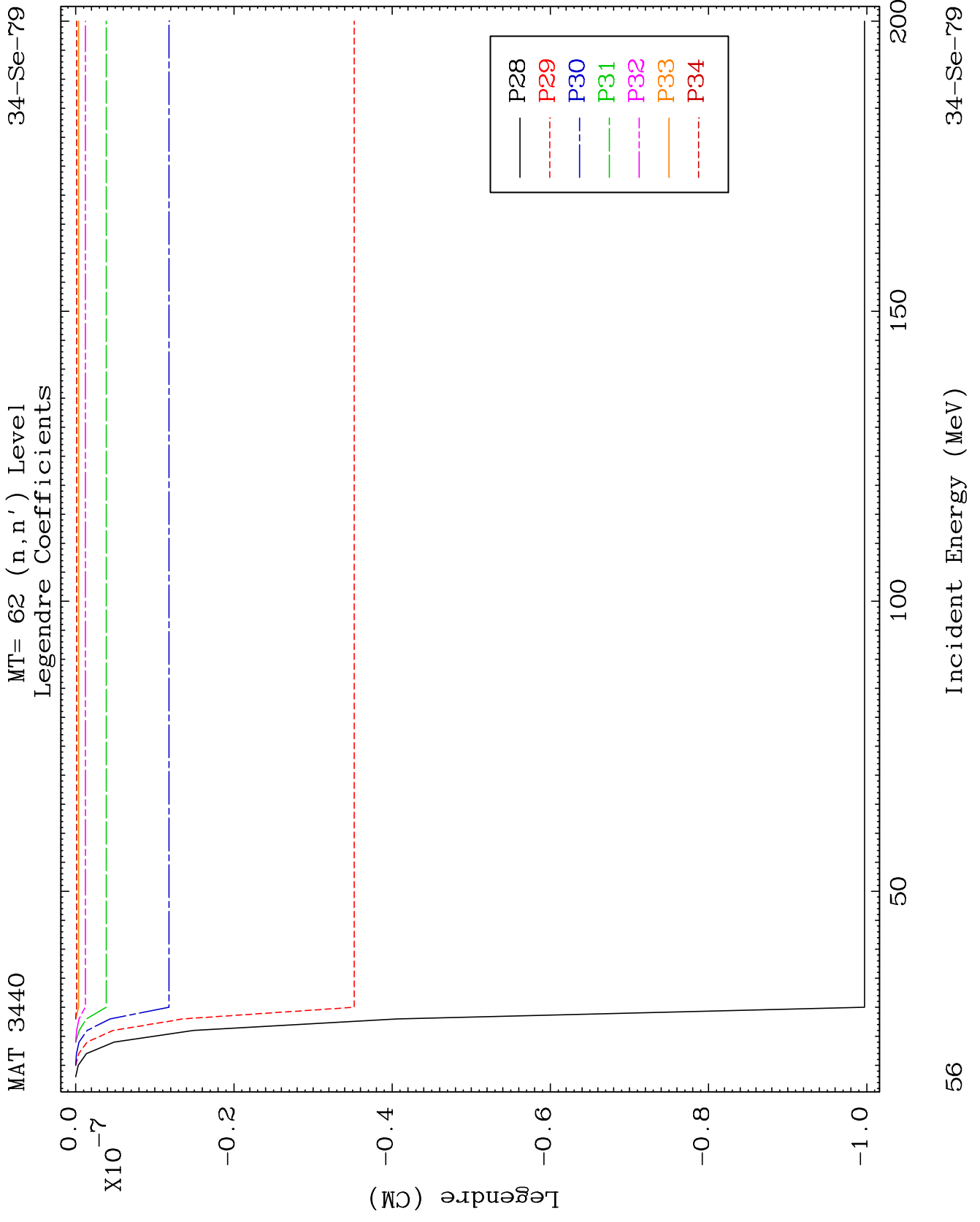
34-Se-79

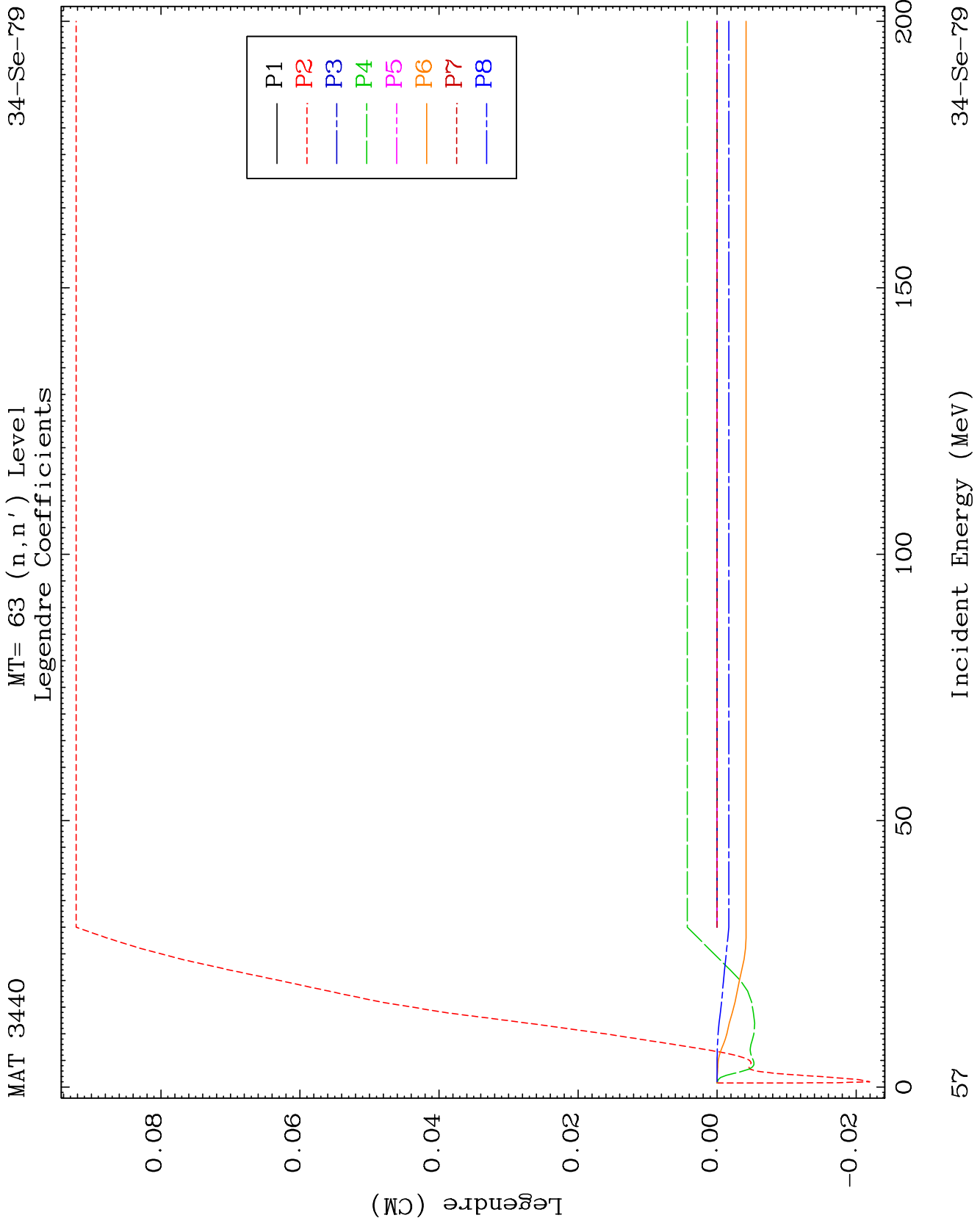


54

34-Se-79



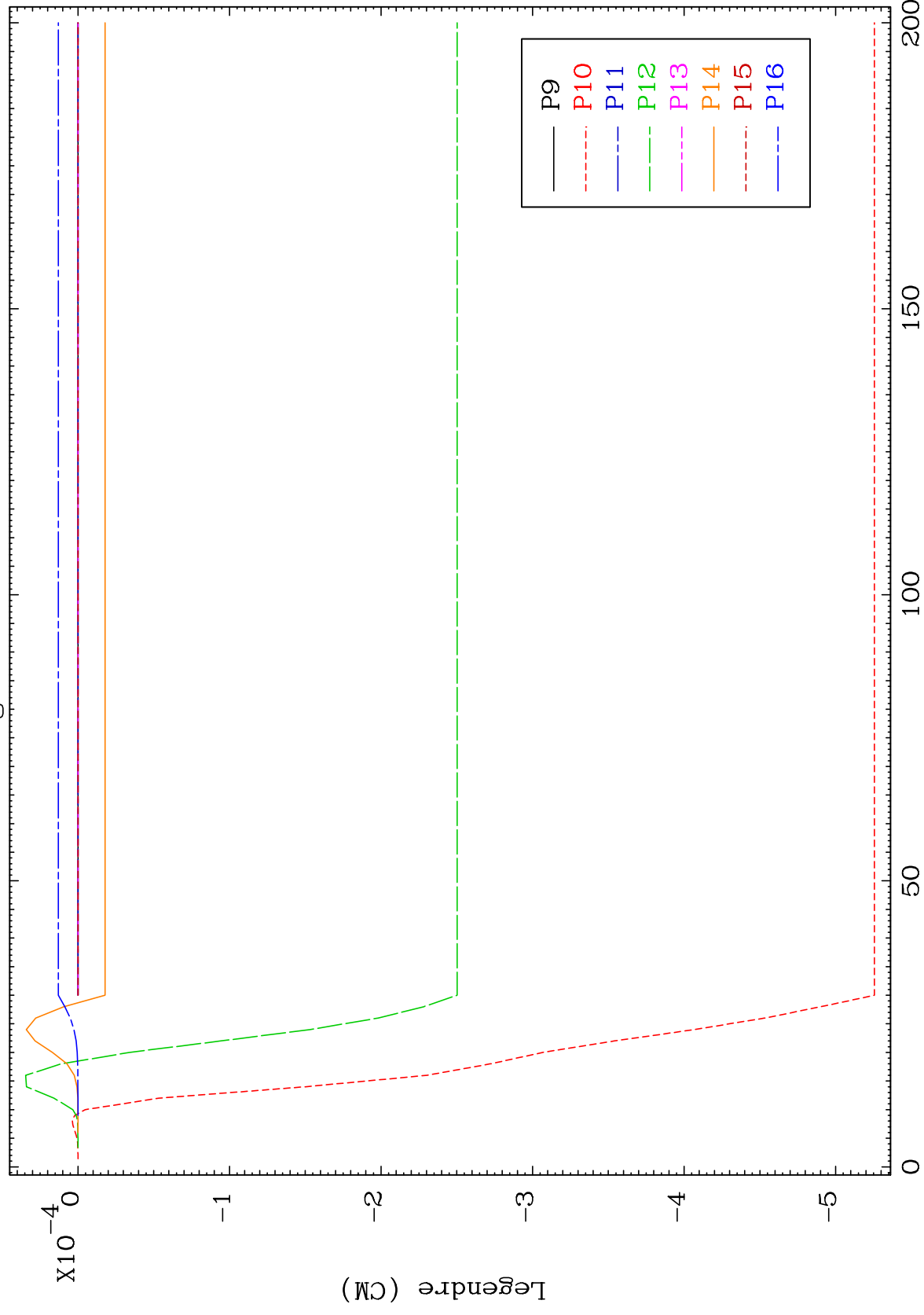




MAT 3440

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

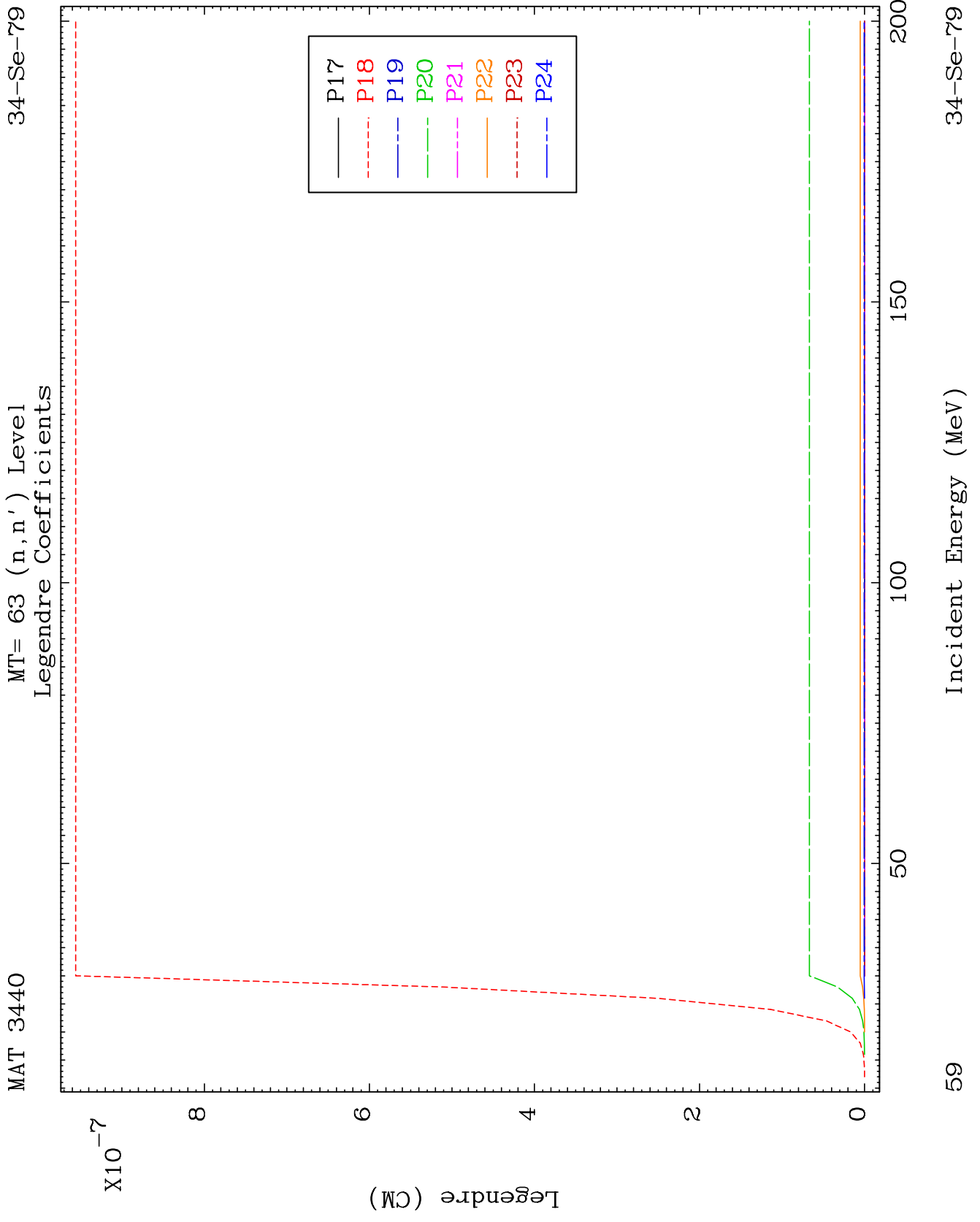
34-Se-79



58

Incident Energy (MeV)

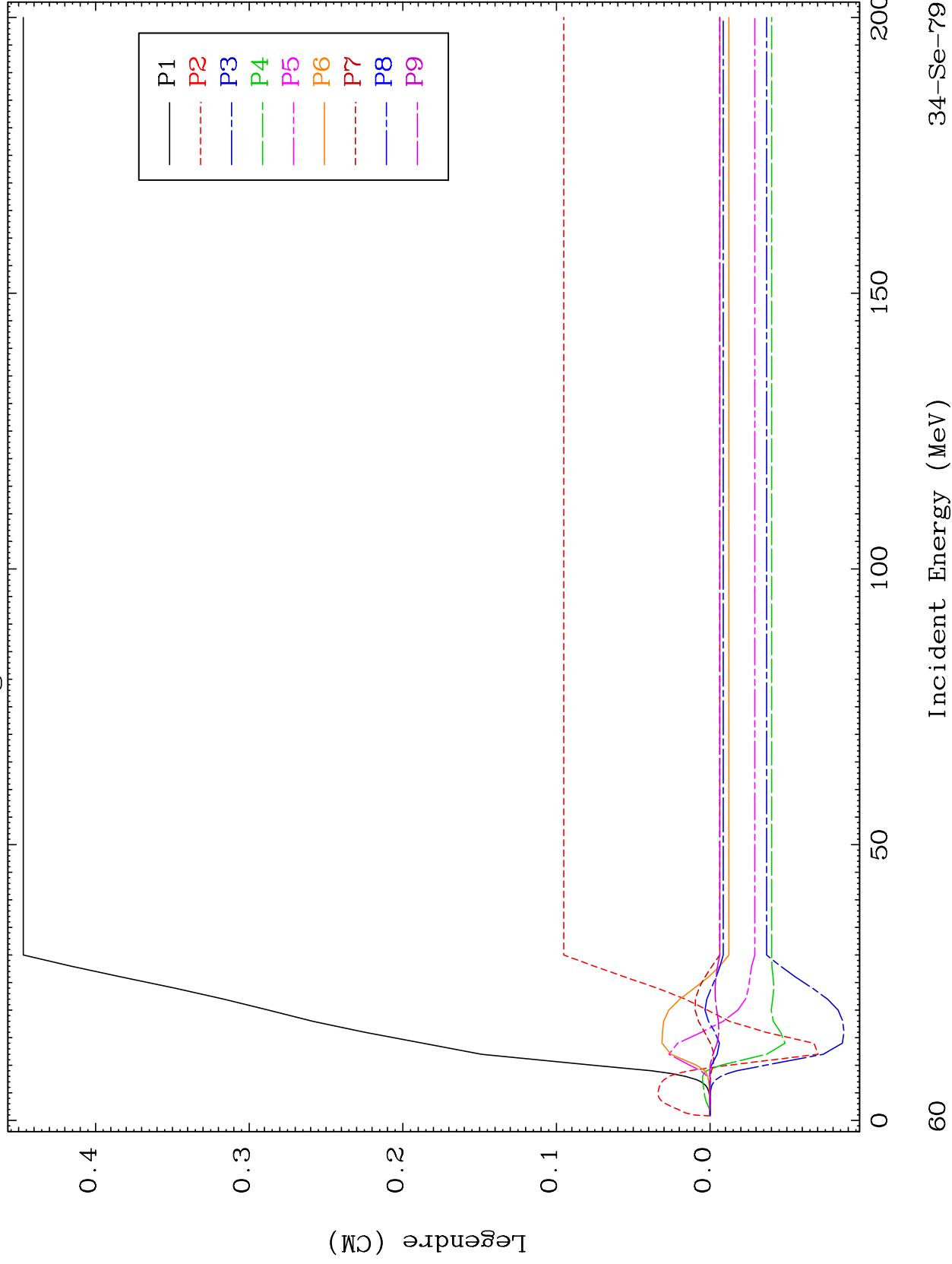
34-Se-79



MAT 3440

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

³⁴Se-79

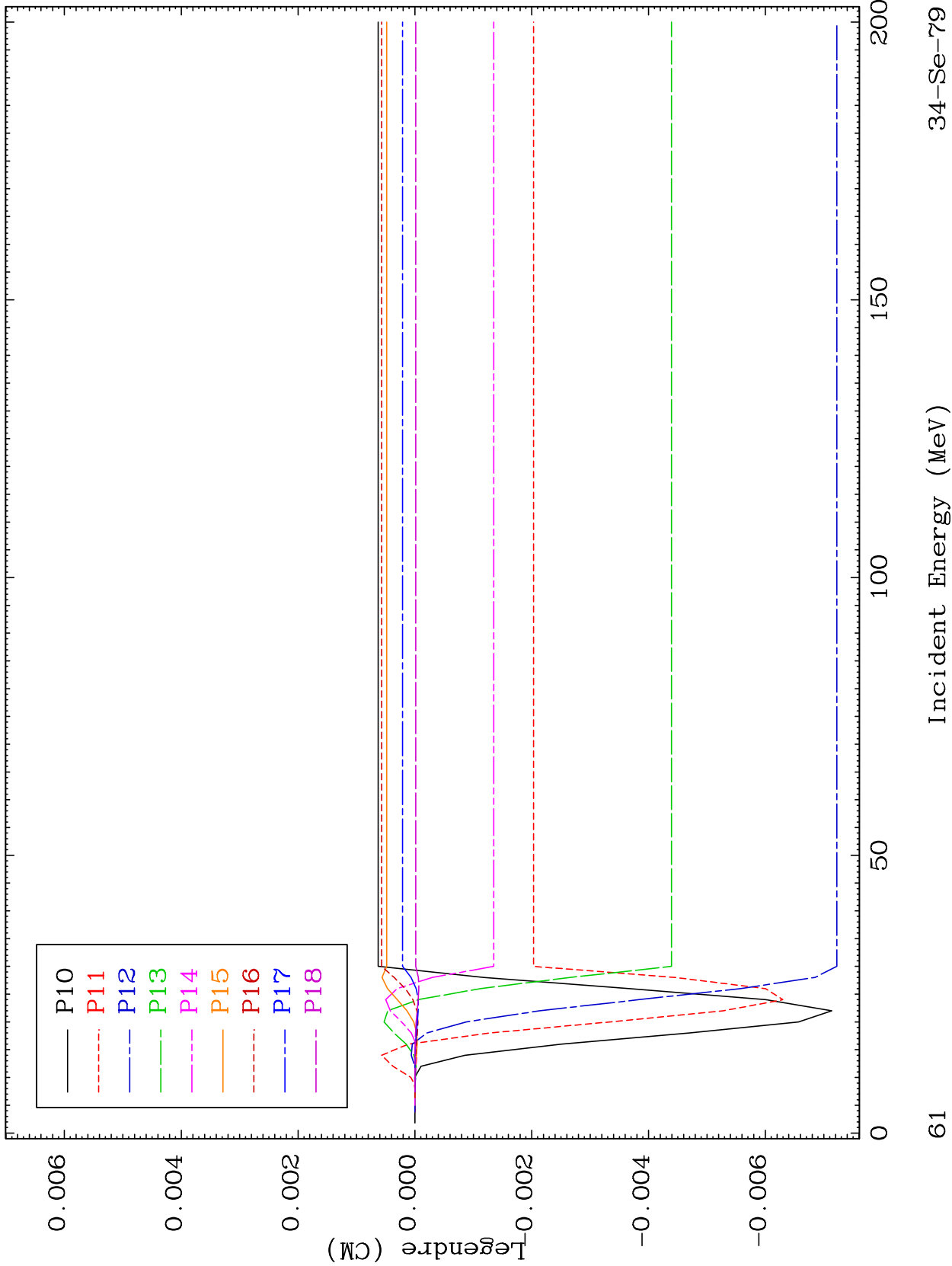


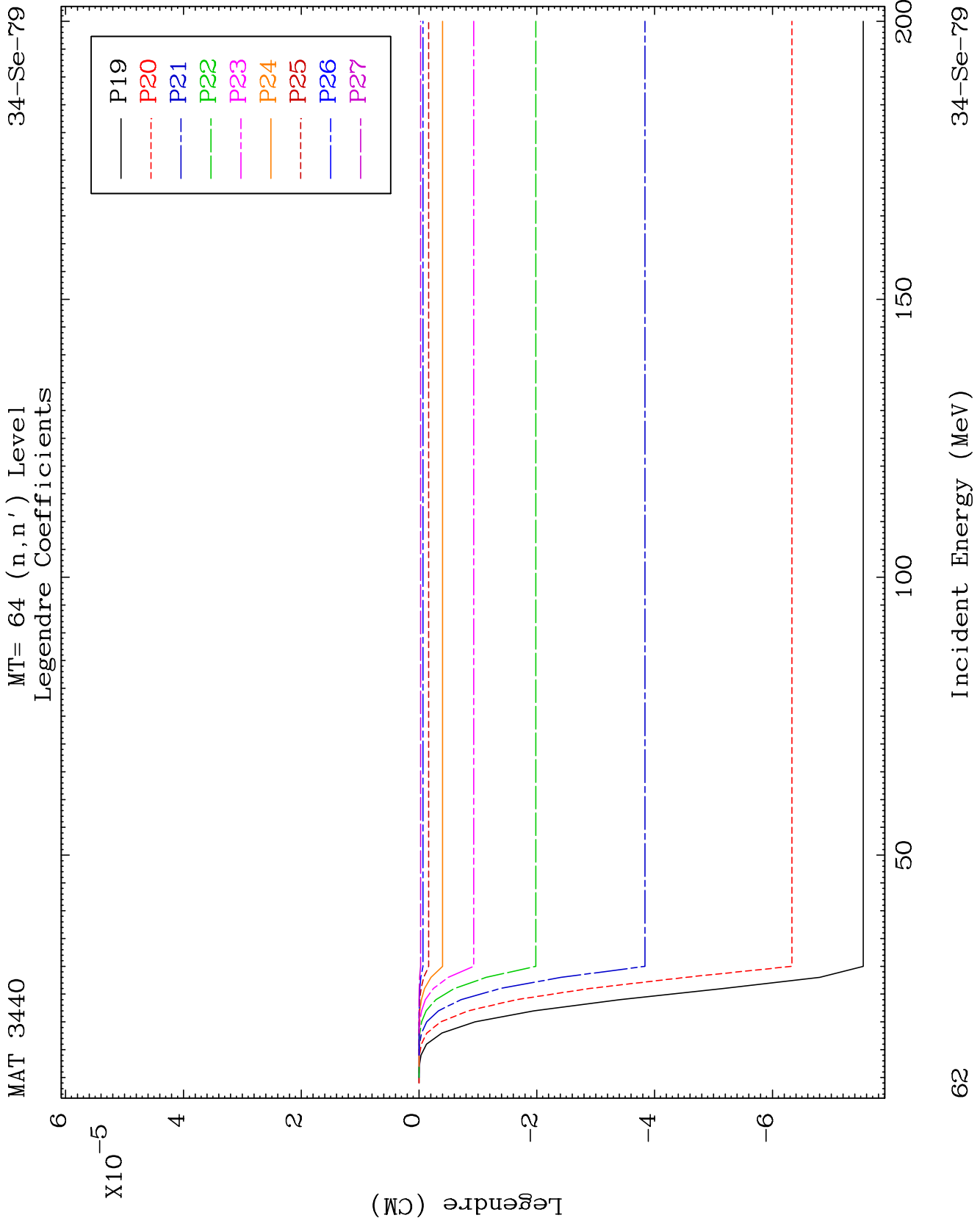
³⁴Se-79

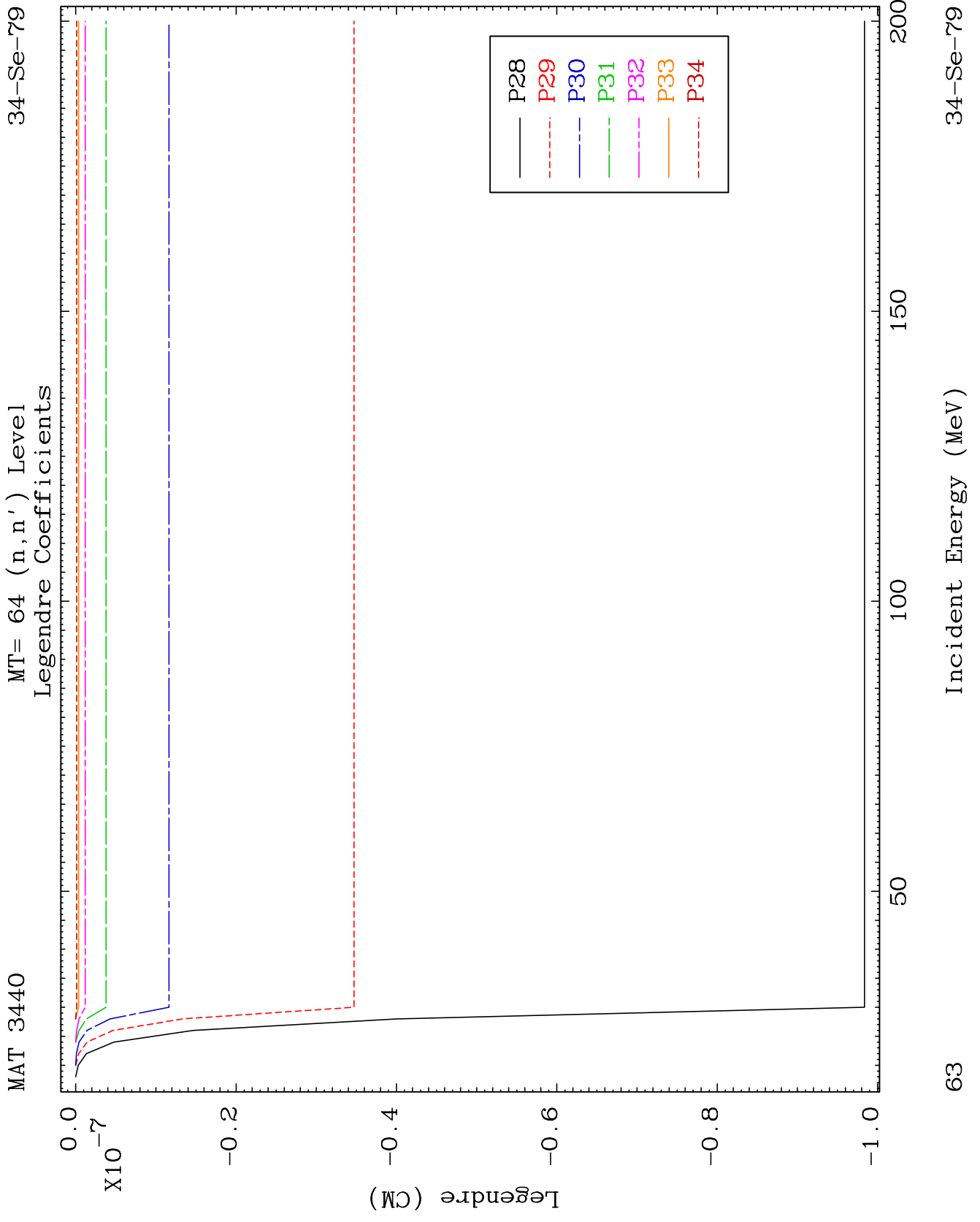
MAT 3440

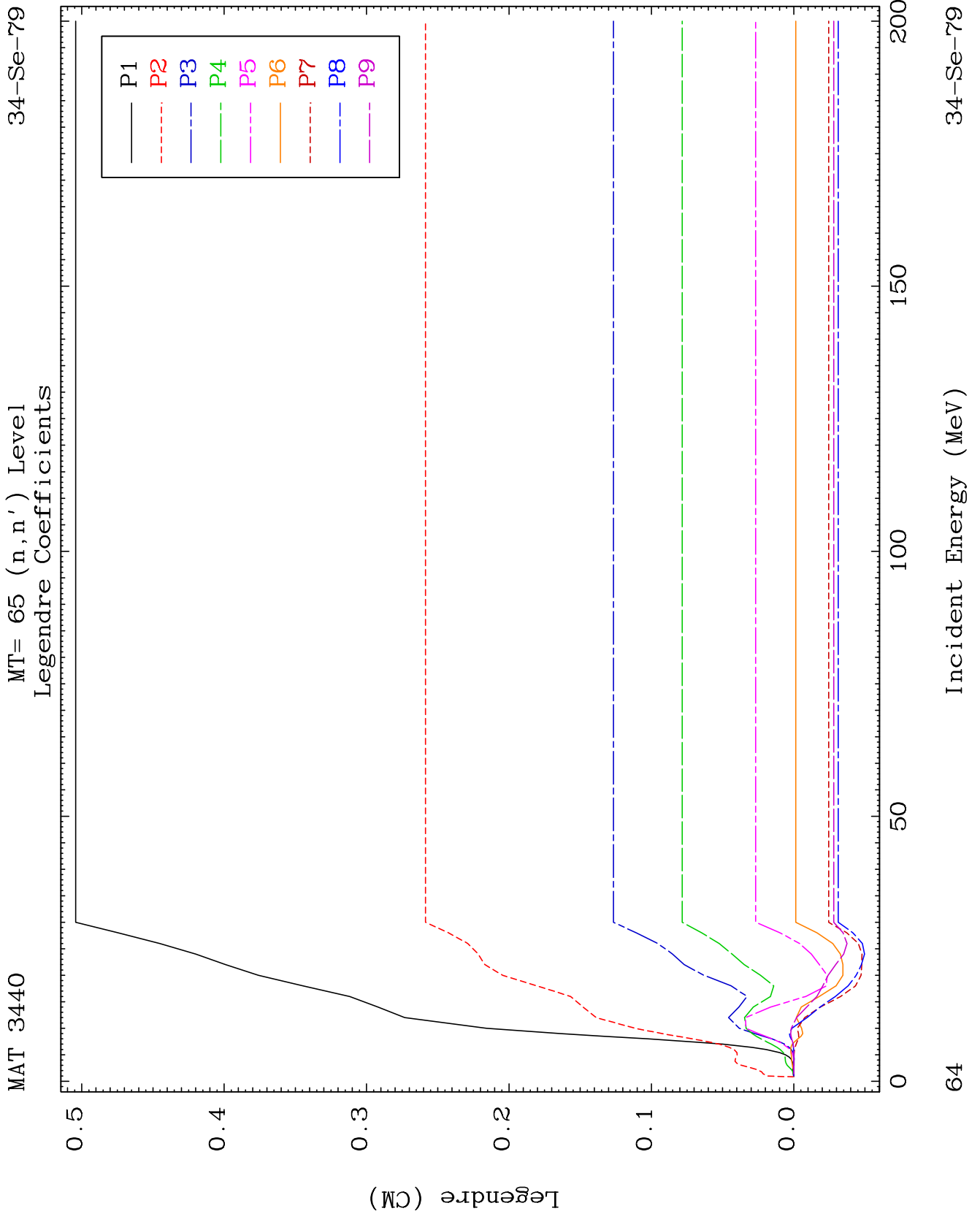
MT= 64 (n,n') Level
Legendre Coefficients

34-Se-79





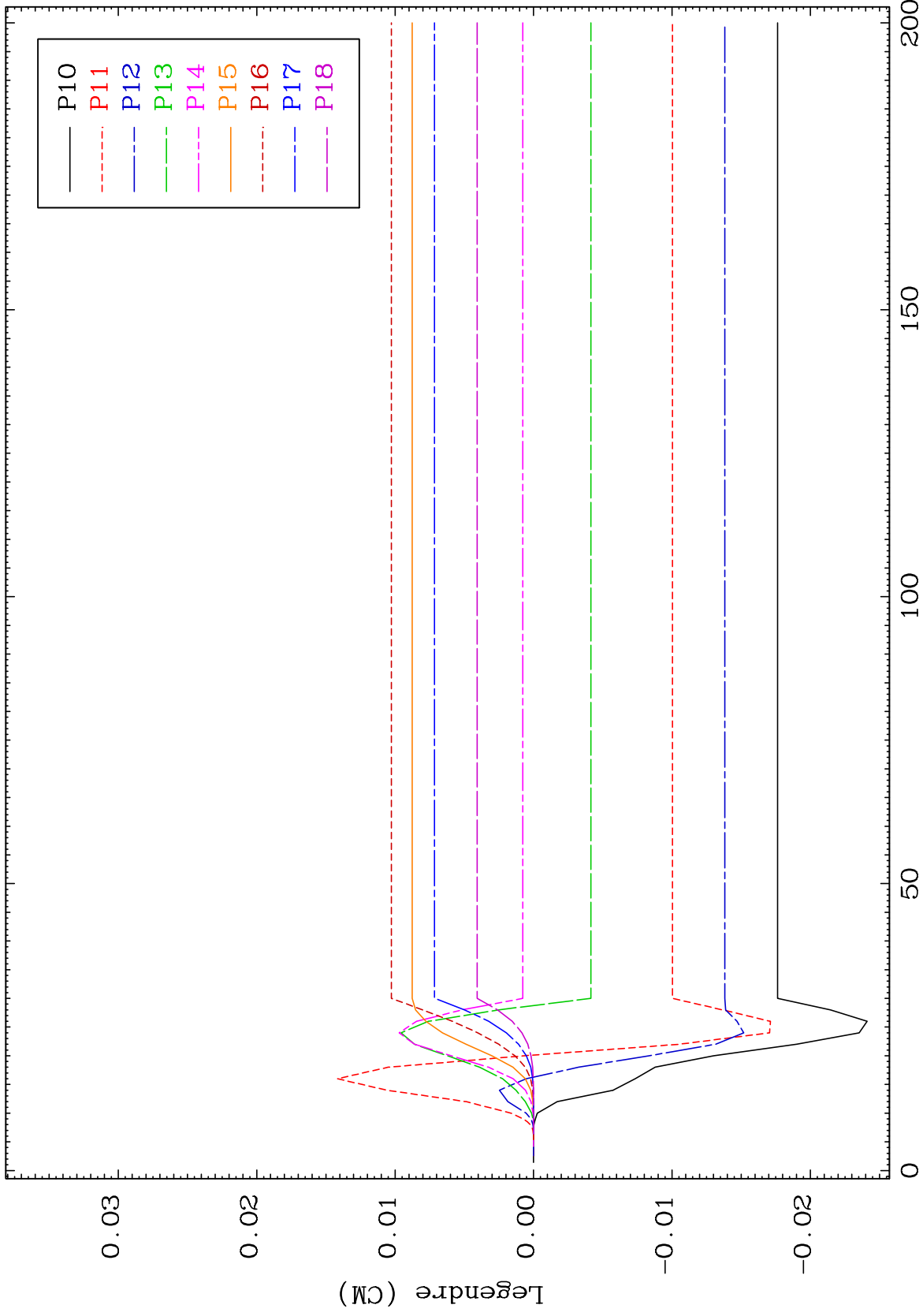




MAT 3440

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

³⁴Se-79



65

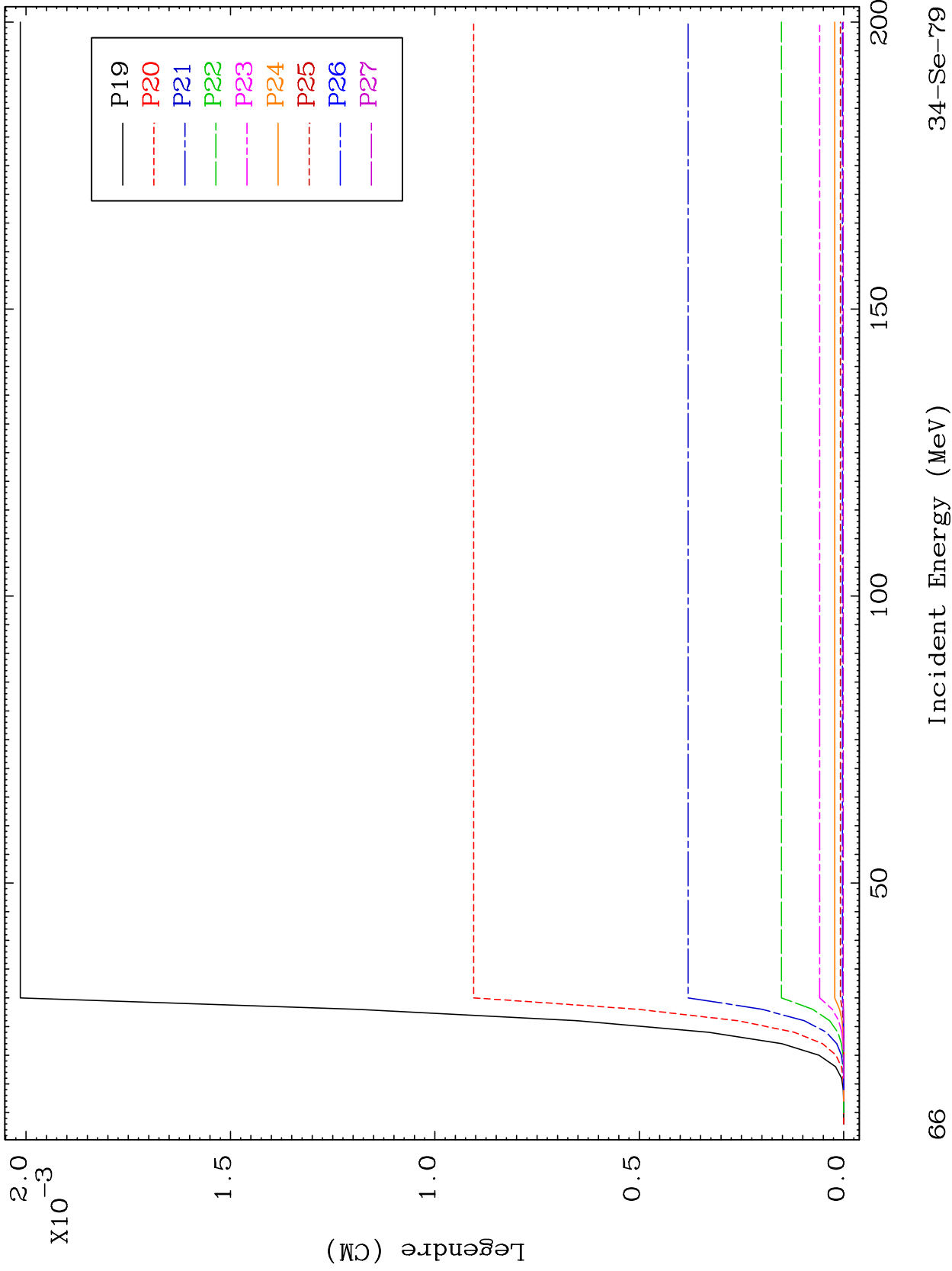
Incident Energy (MeV)

³⁴Se-79

MAT 3440

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

³⁴Se-79



66

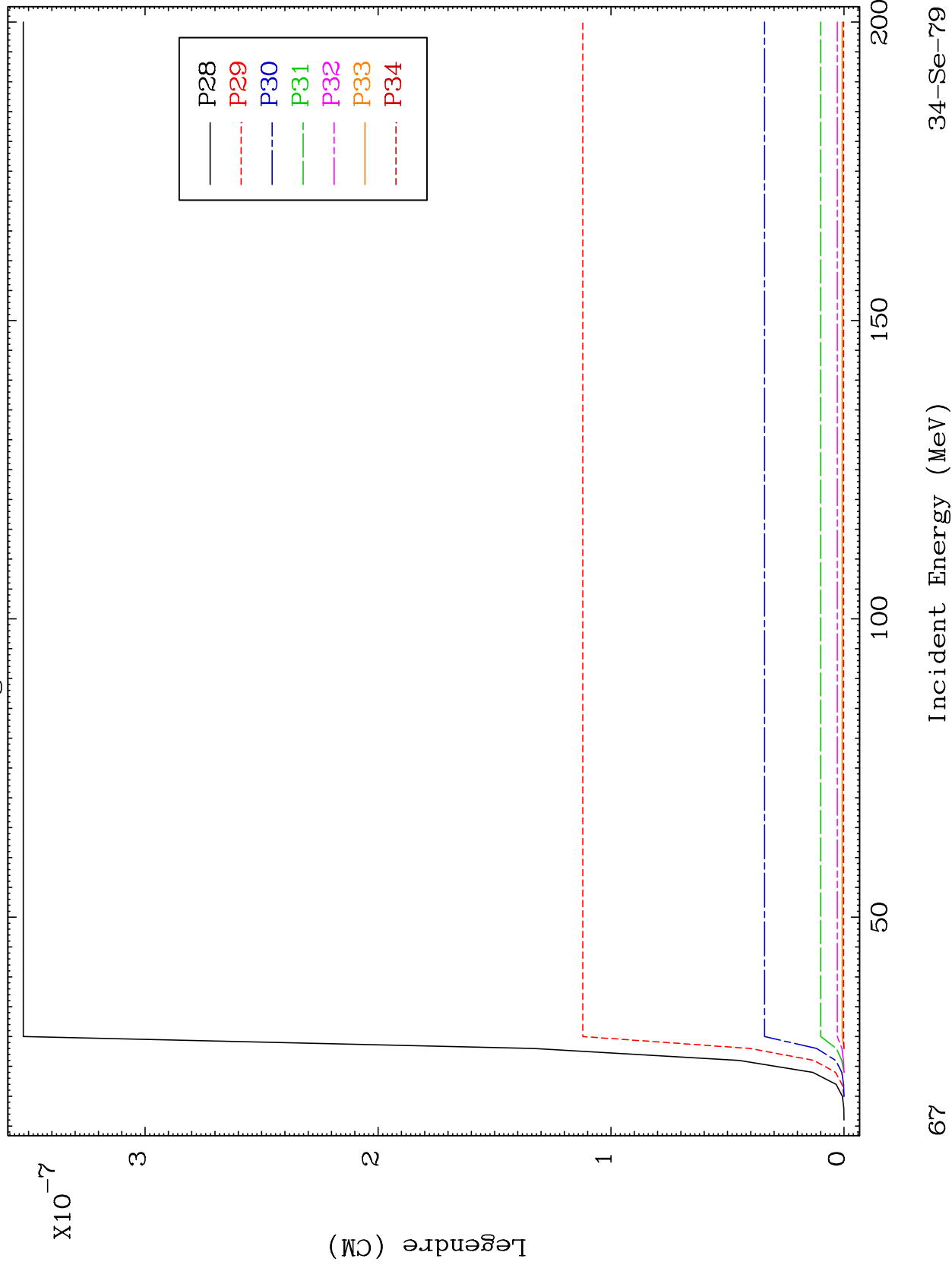
Incident Energy (MeV)

³⁴Se-79

MAT 3440

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

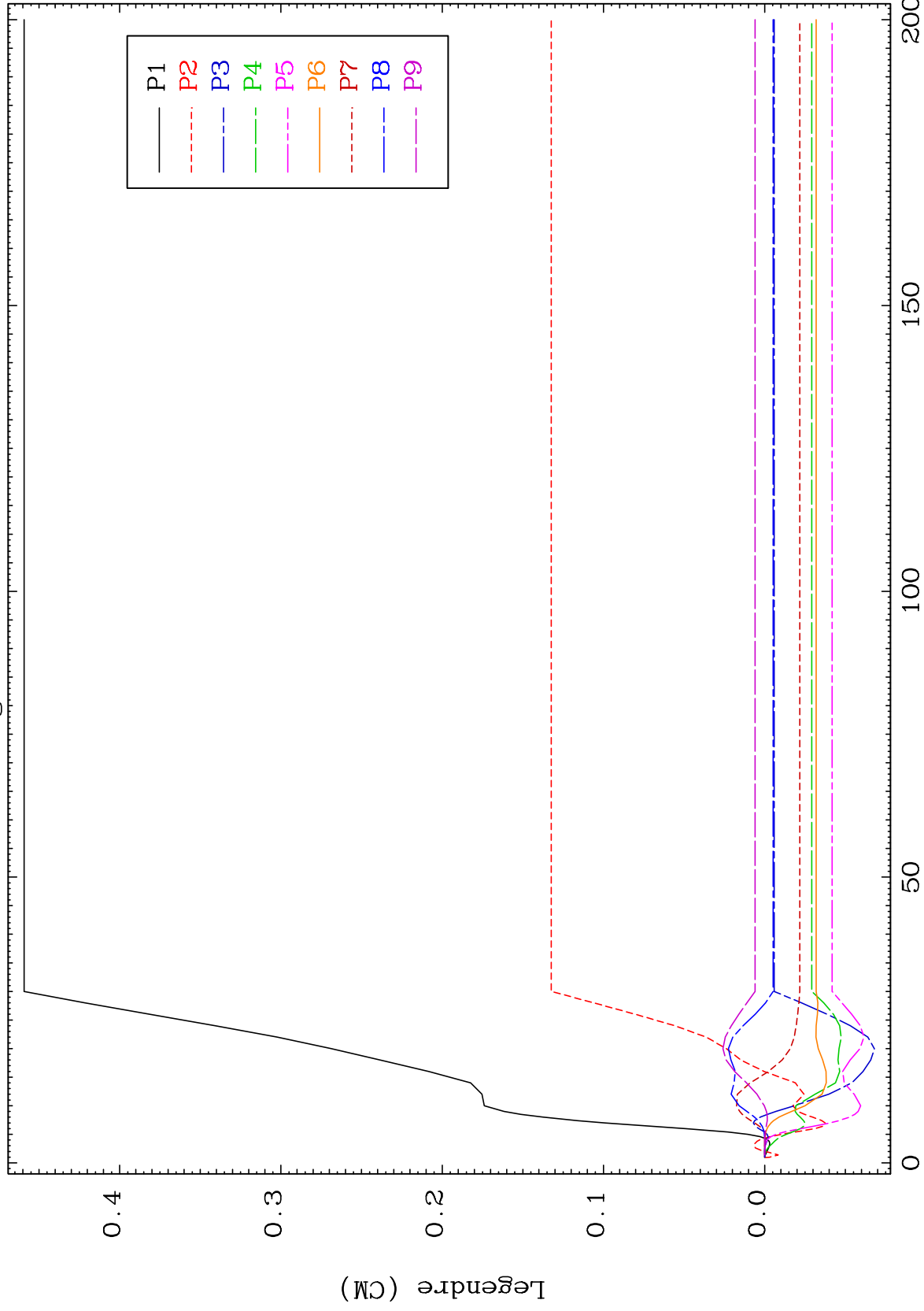
³⁴Se-79



MAT 3440

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

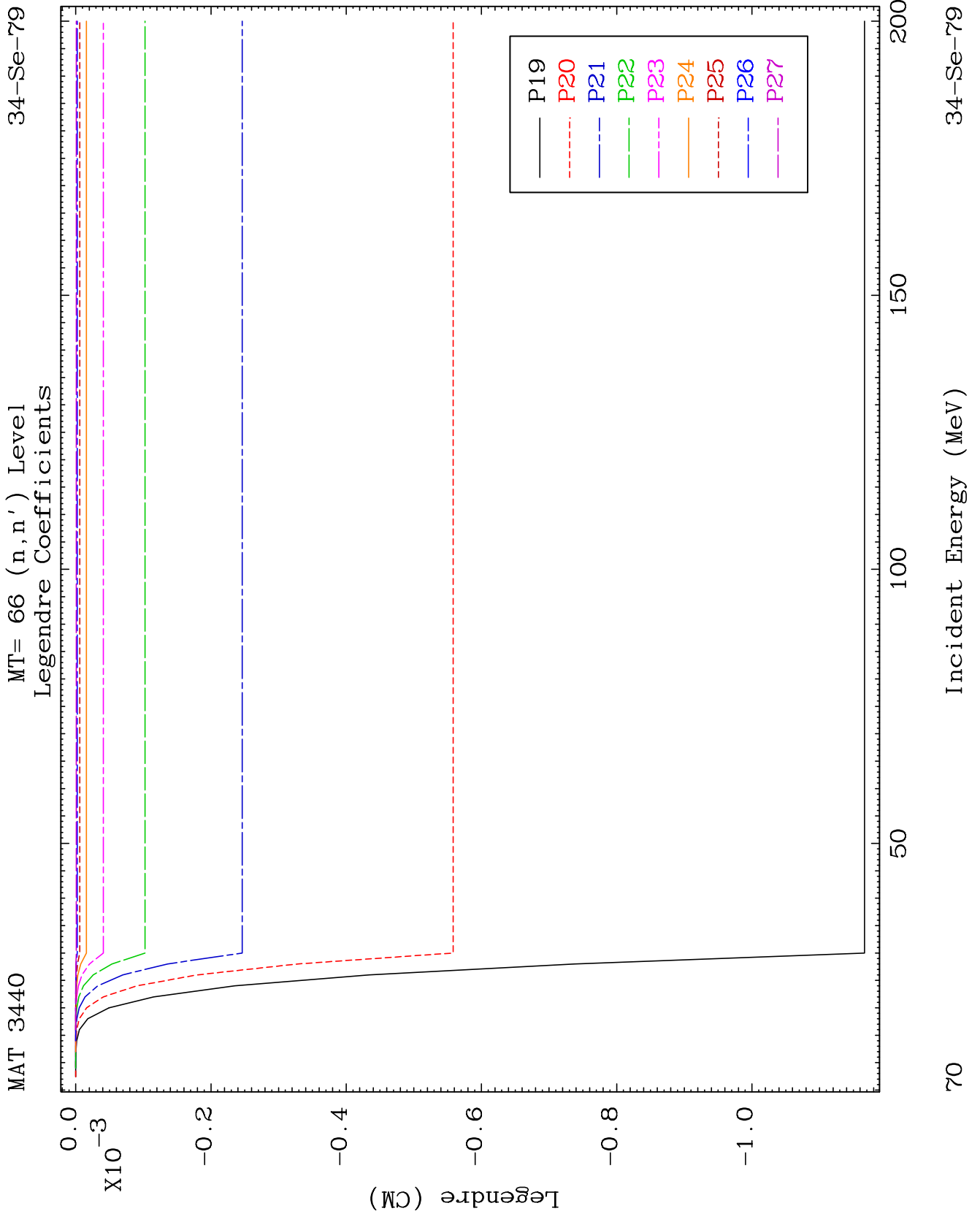
³⁴Se-79

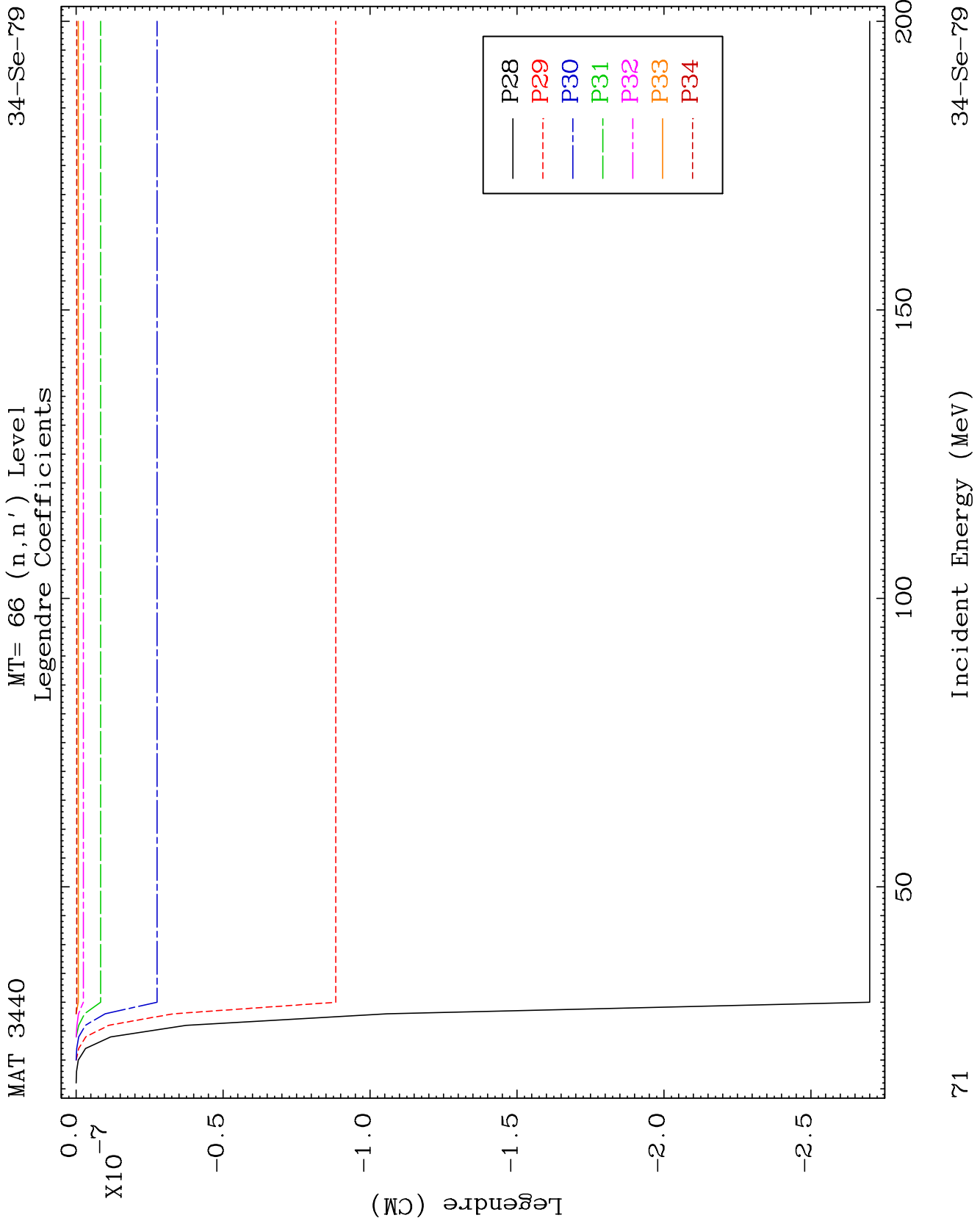


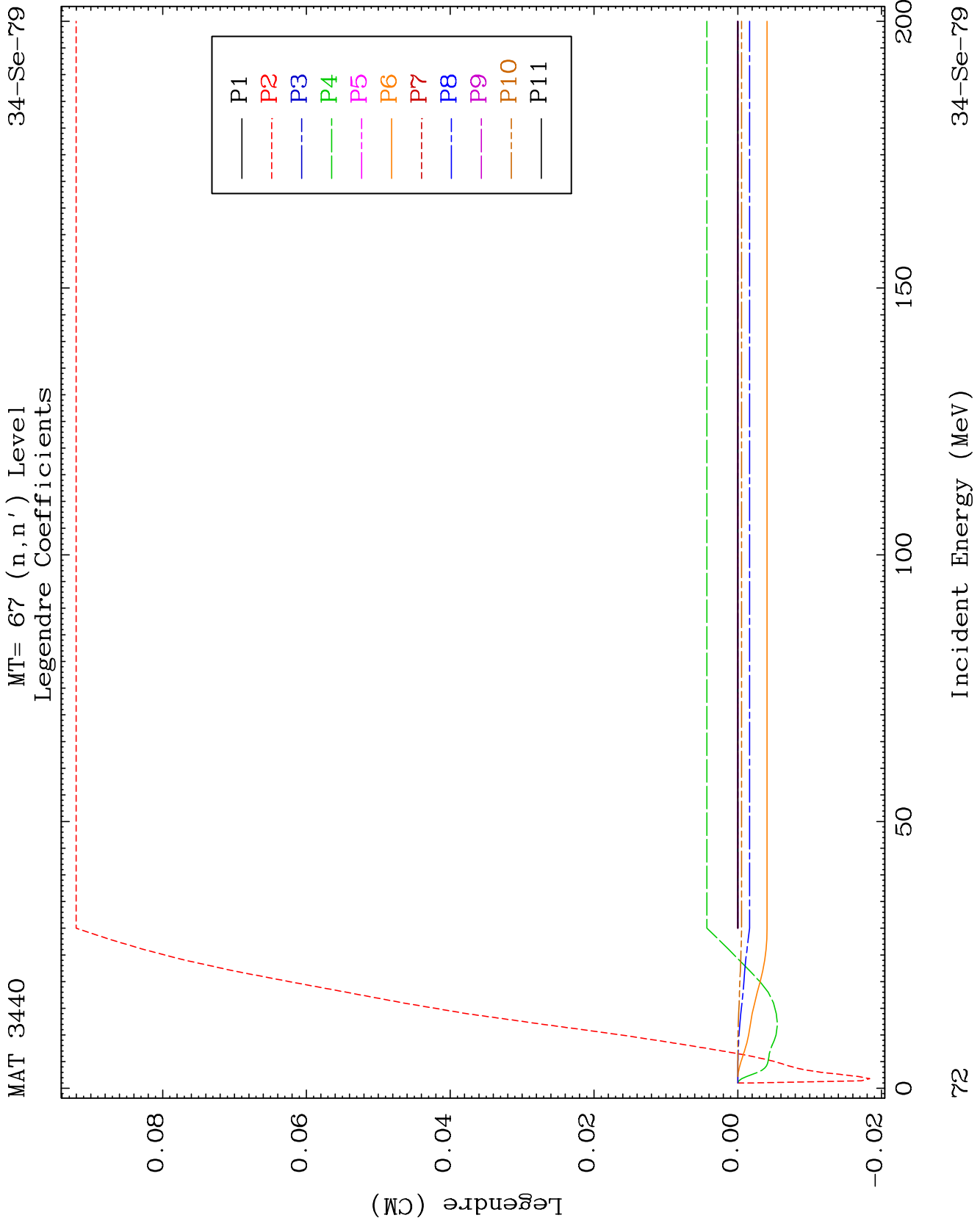
68

Incident Energy (MeV)

³⁴Se-79



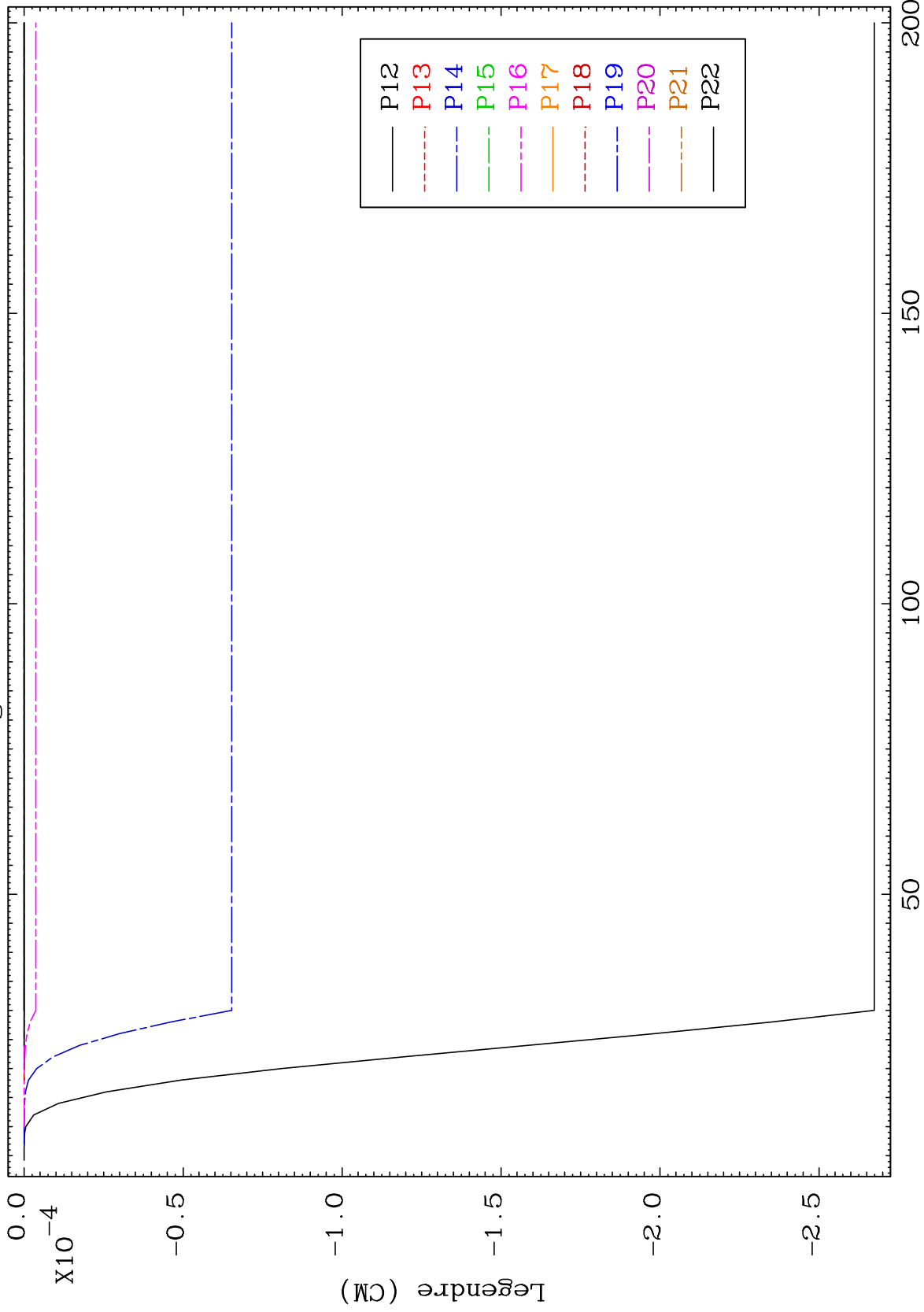




MAT 3440

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

34-Se-79



73

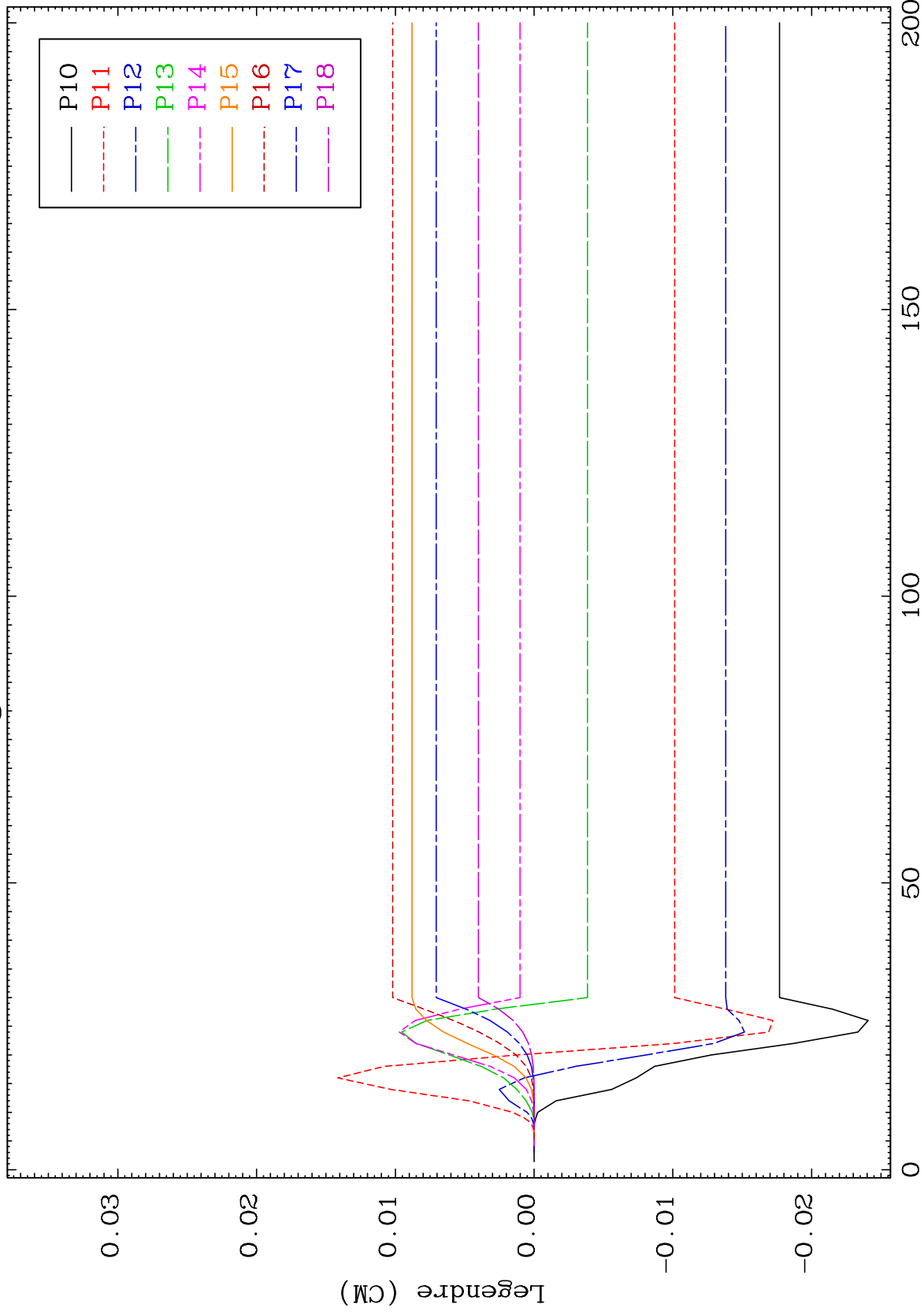
Incident Energy (MeV)

34-Se-79

MAT 3440

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

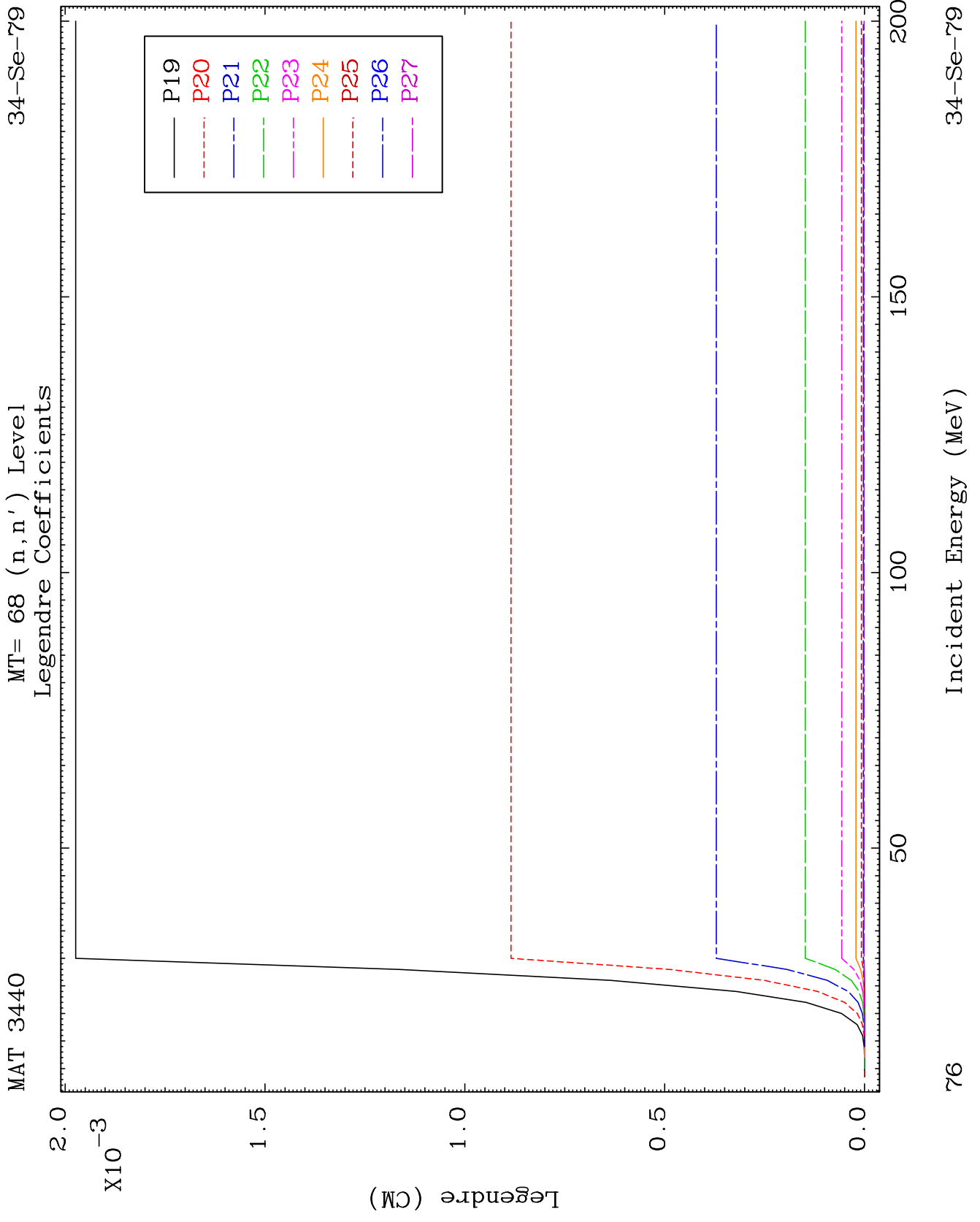
34-Se-79



75

Incident Energy (MeV)

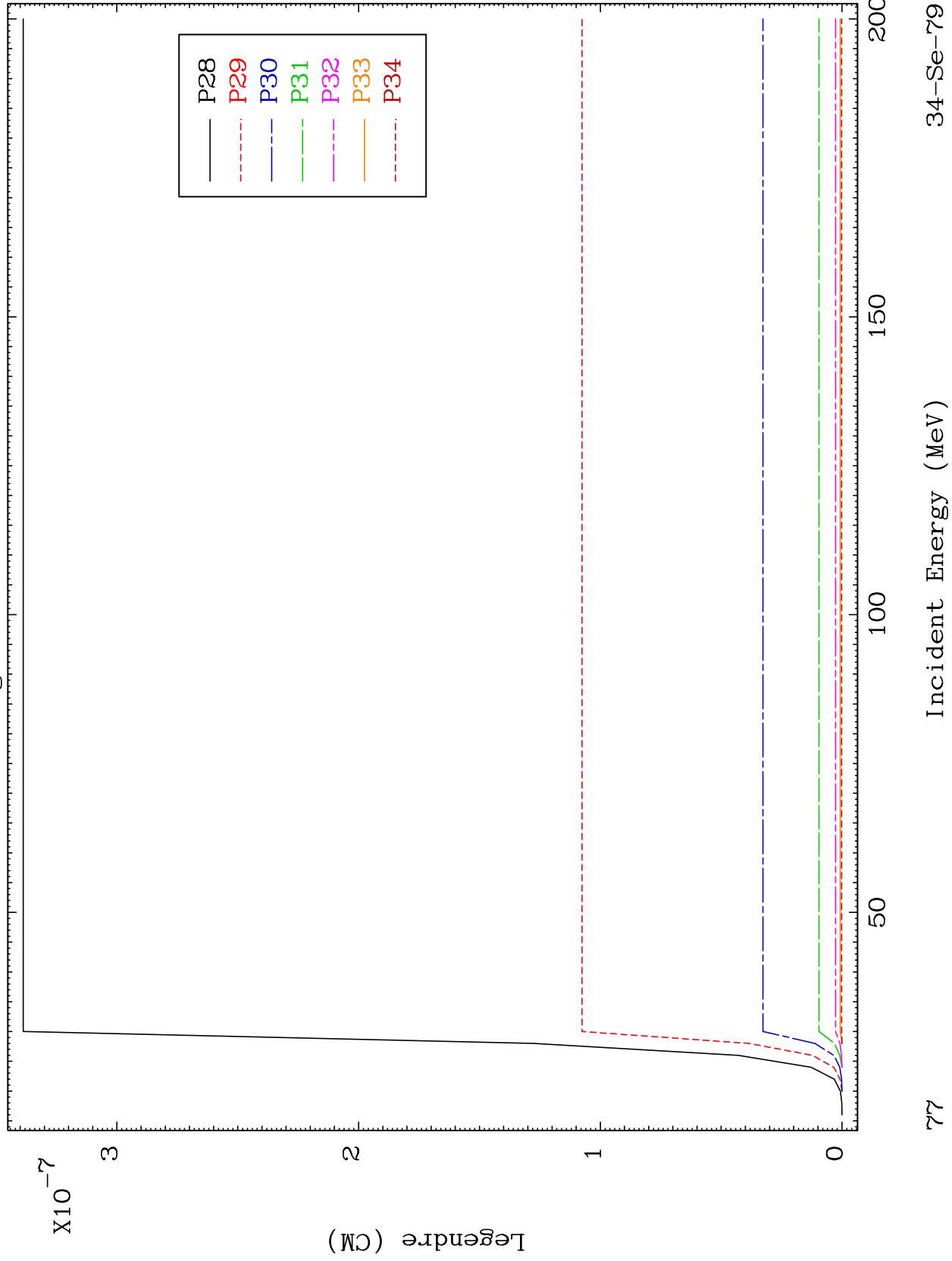
34-Se-79



MAT 3440

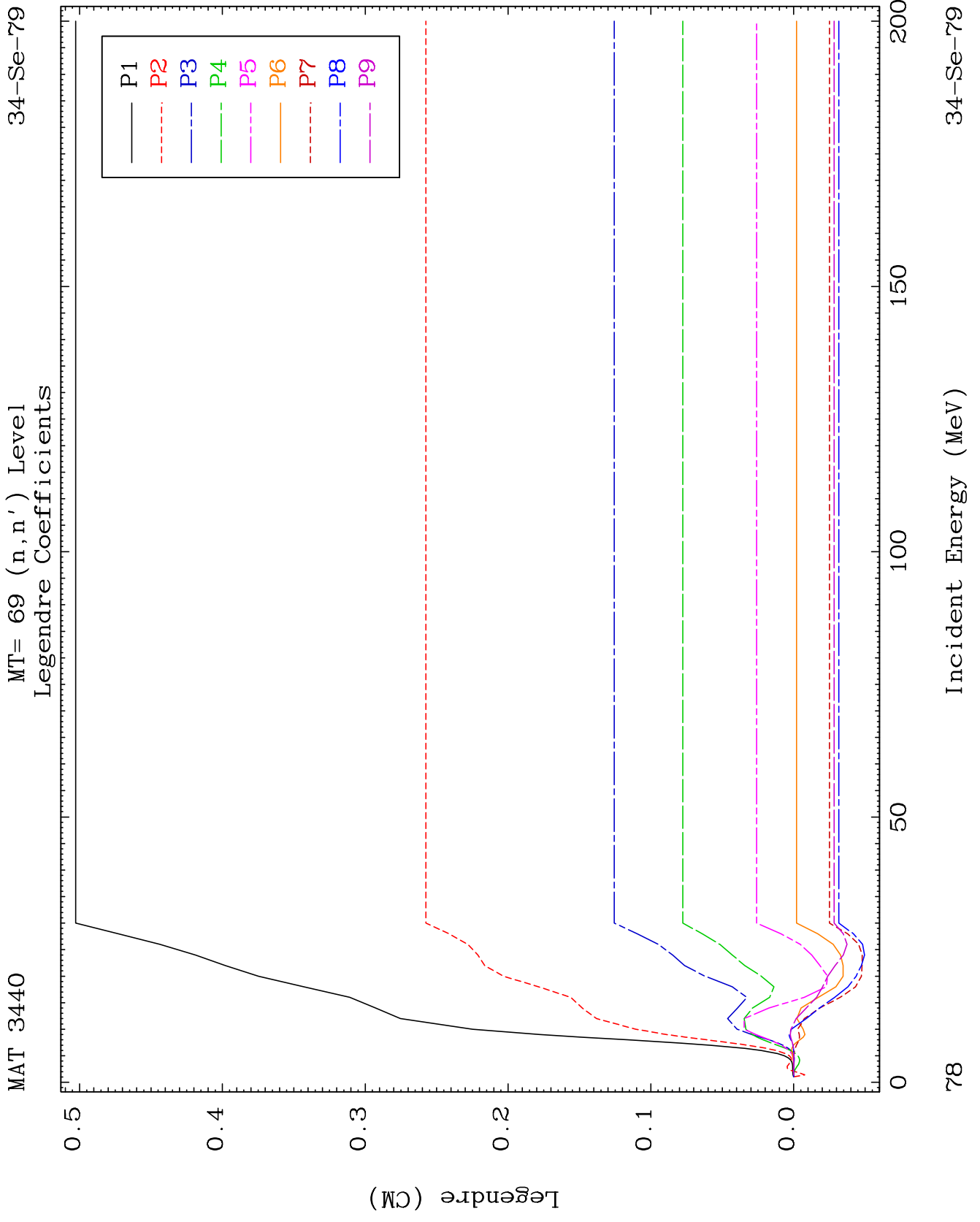
MT= 68 (n,n') Level
Legendre Coefficients

³⁴Se-79



77

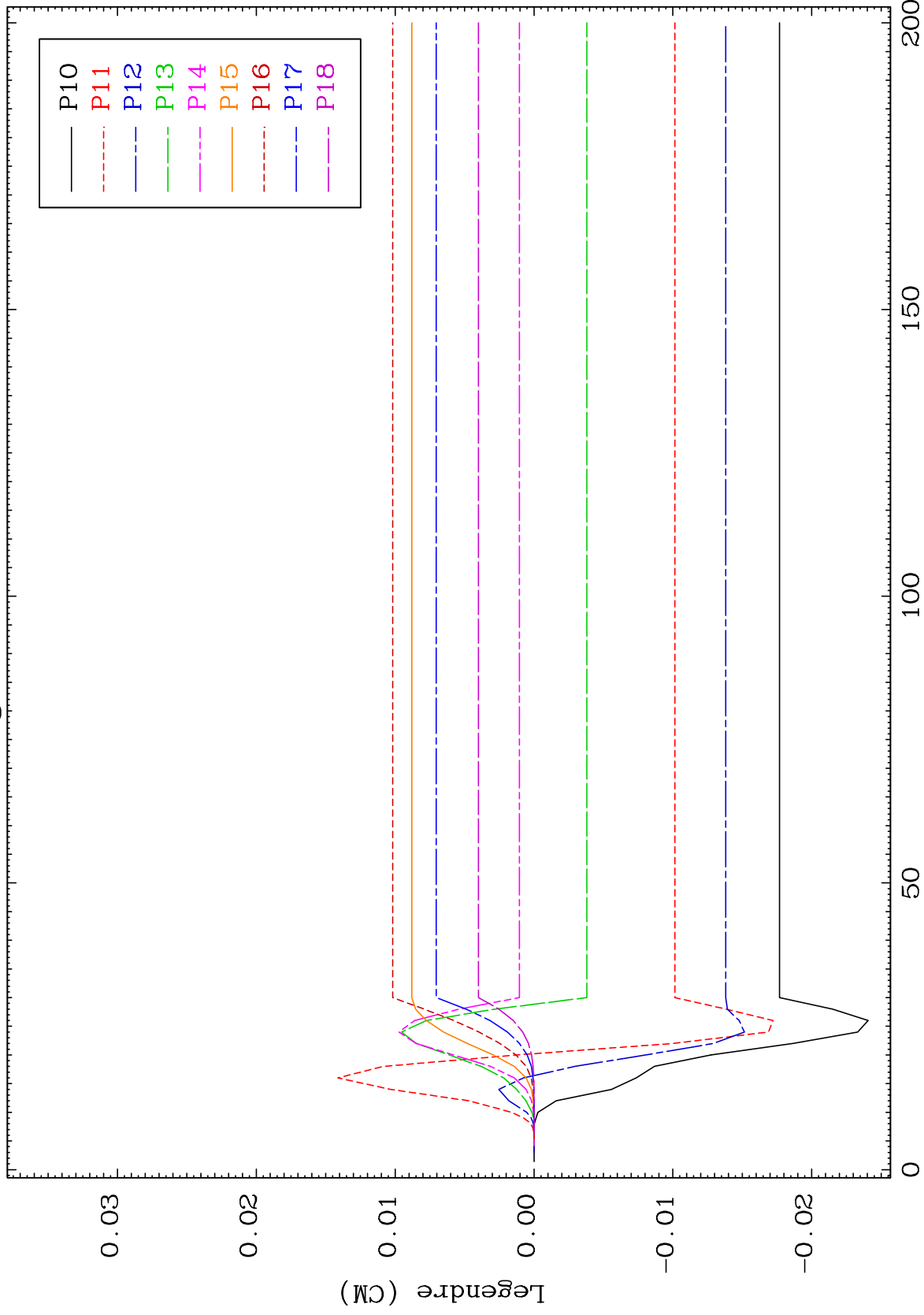
³⁴Se-79



MAT 3440

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

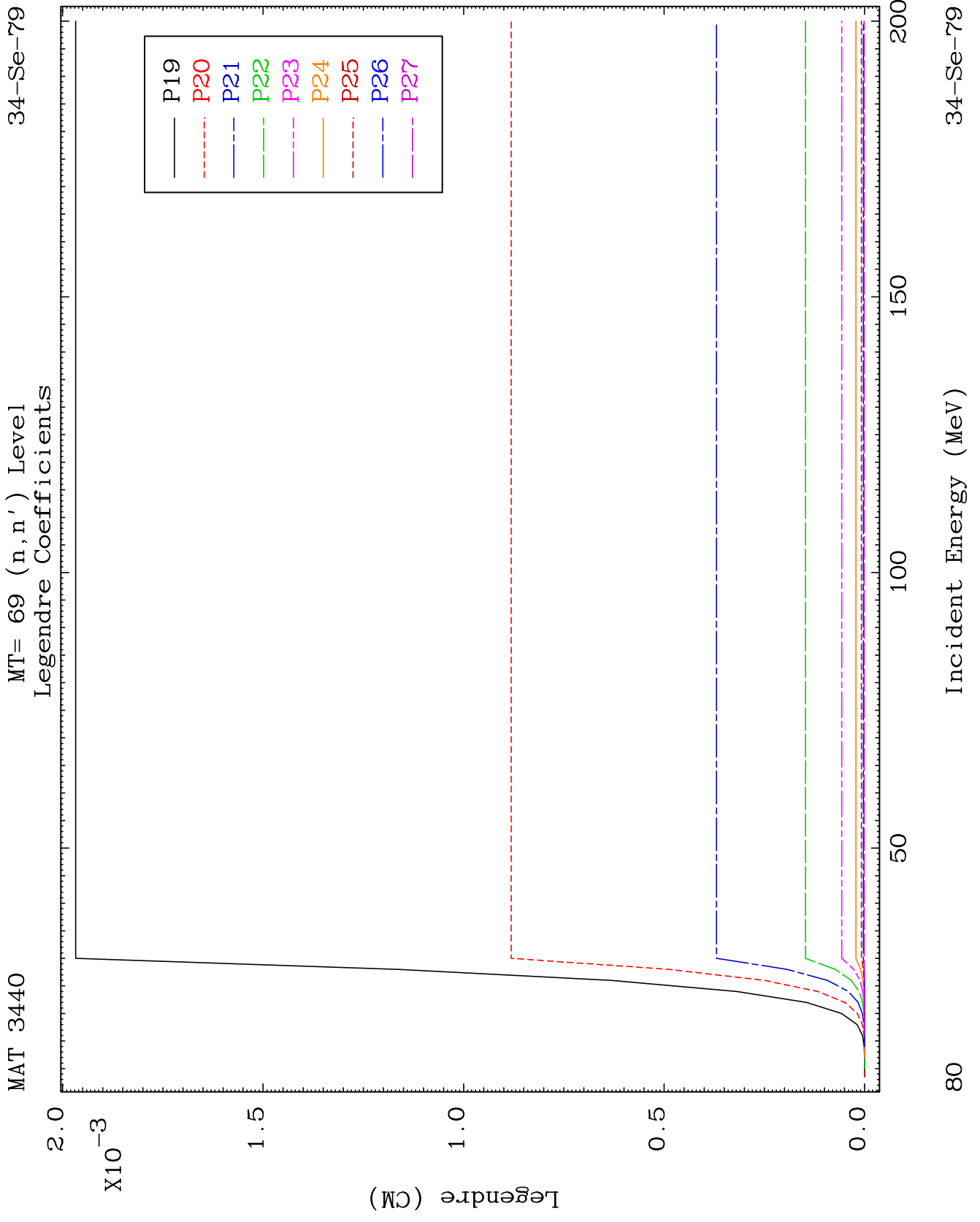
34-Se-79



79

Incident Energy (MeV)

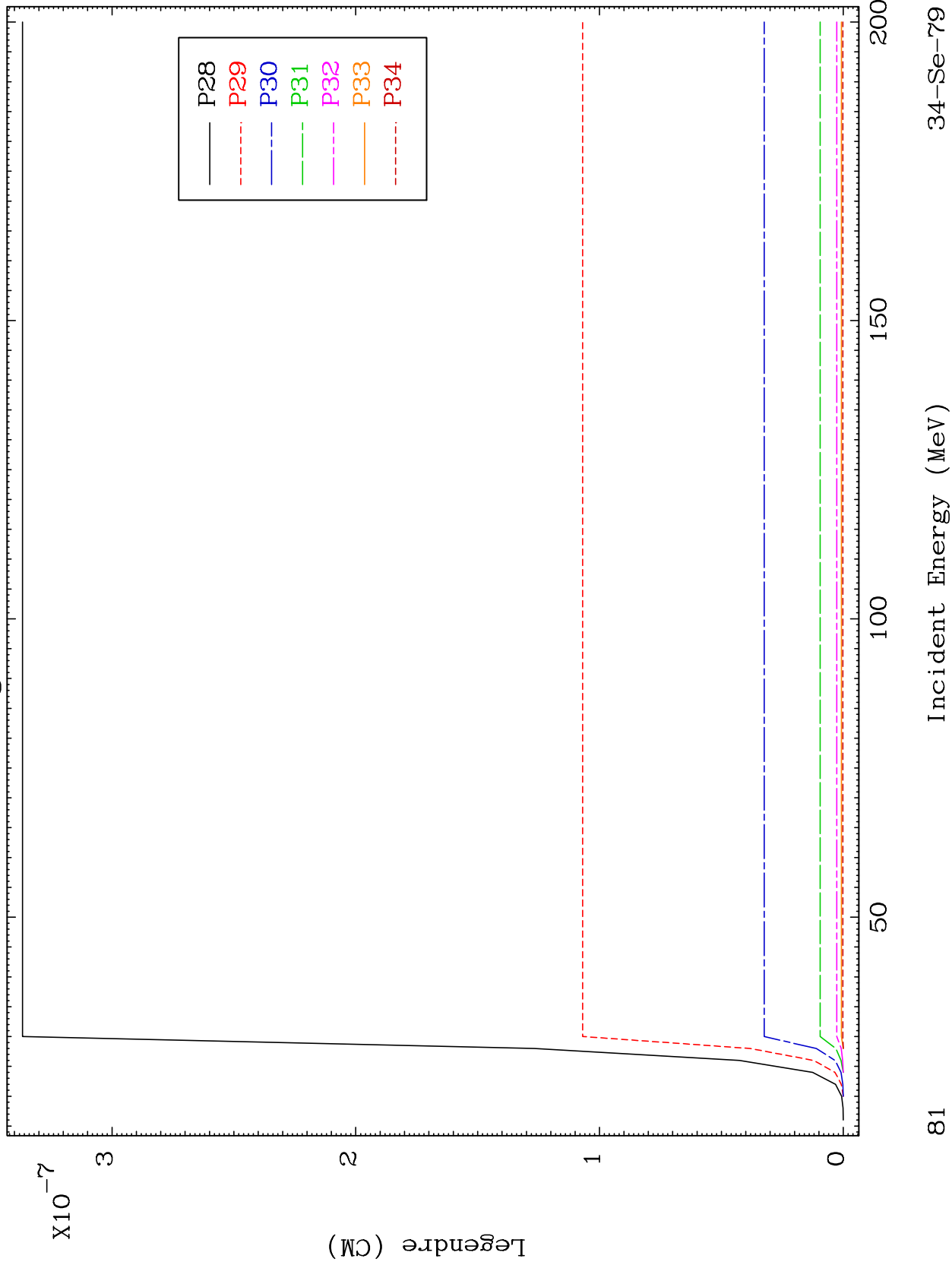
34-Se-79



MAT 3440

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

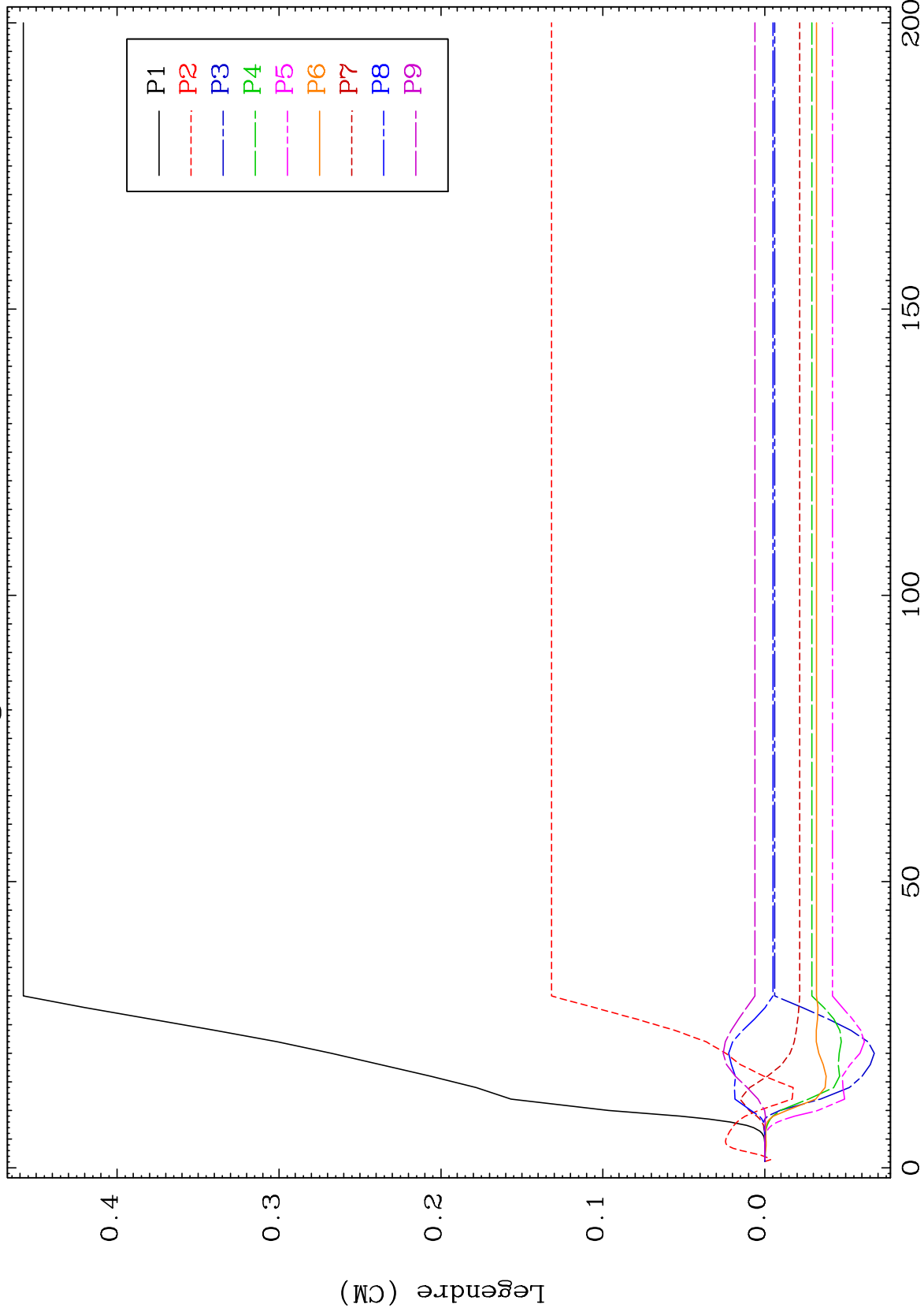
³⁴Se-79



MAT 3440

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

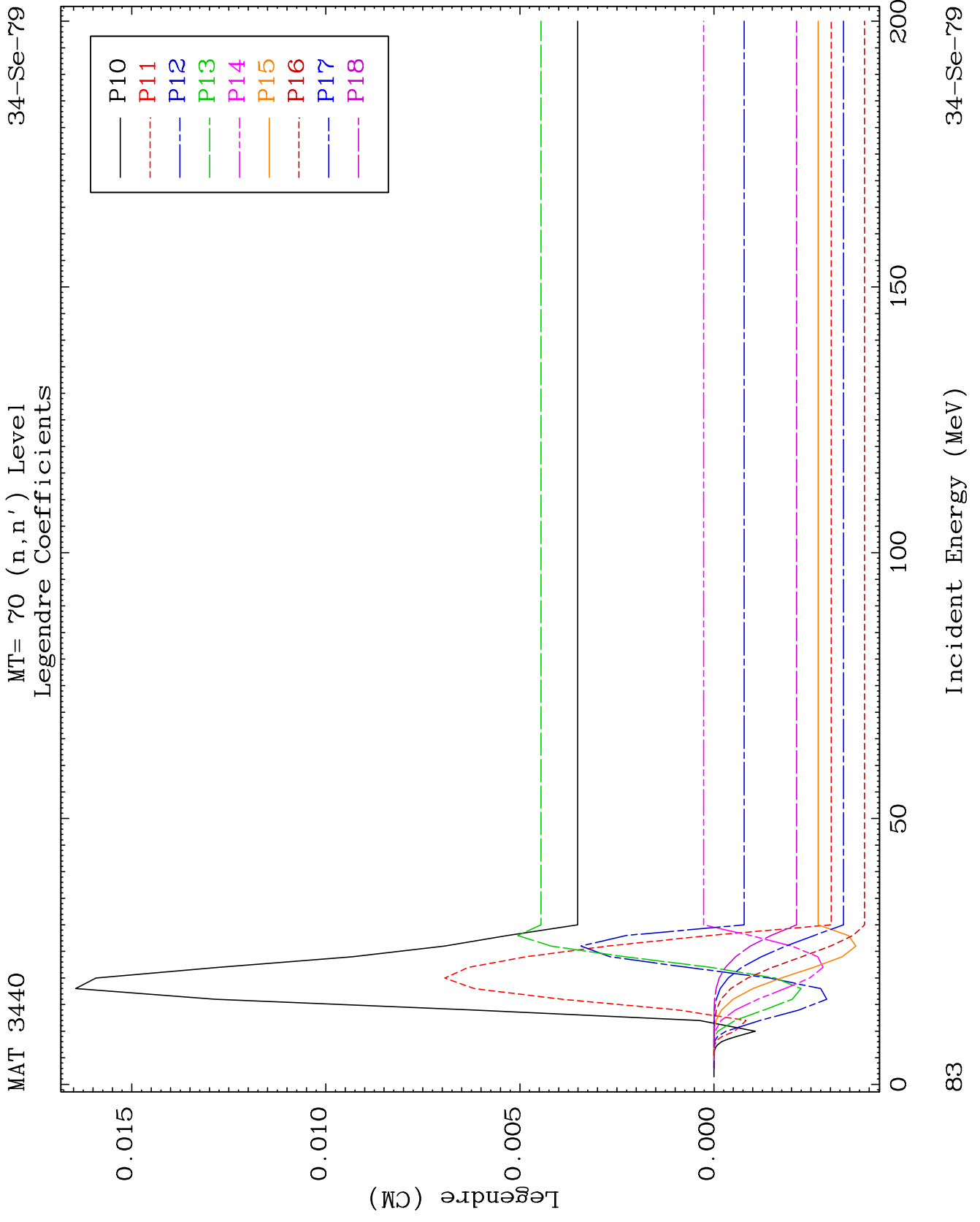
34-Se-79

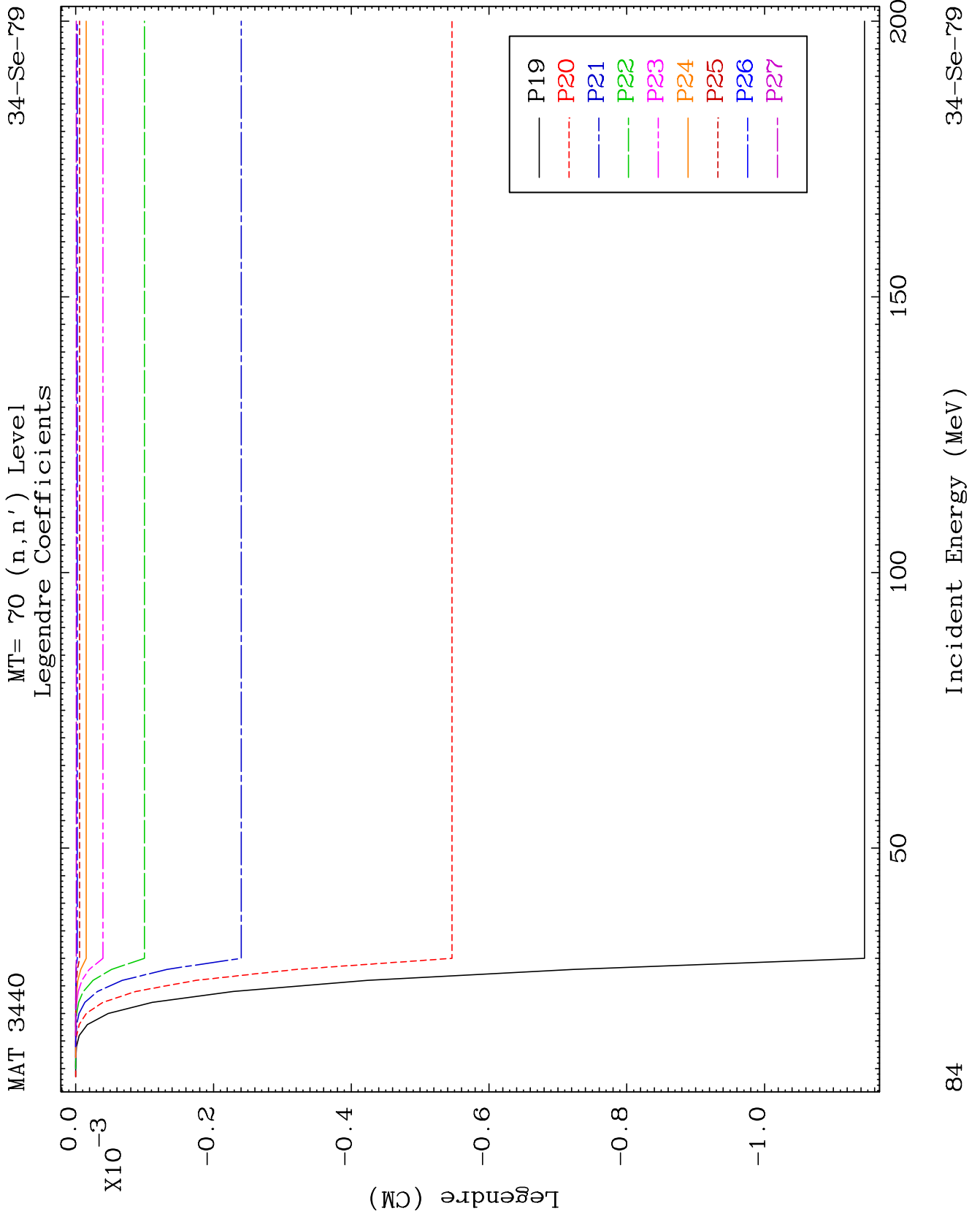


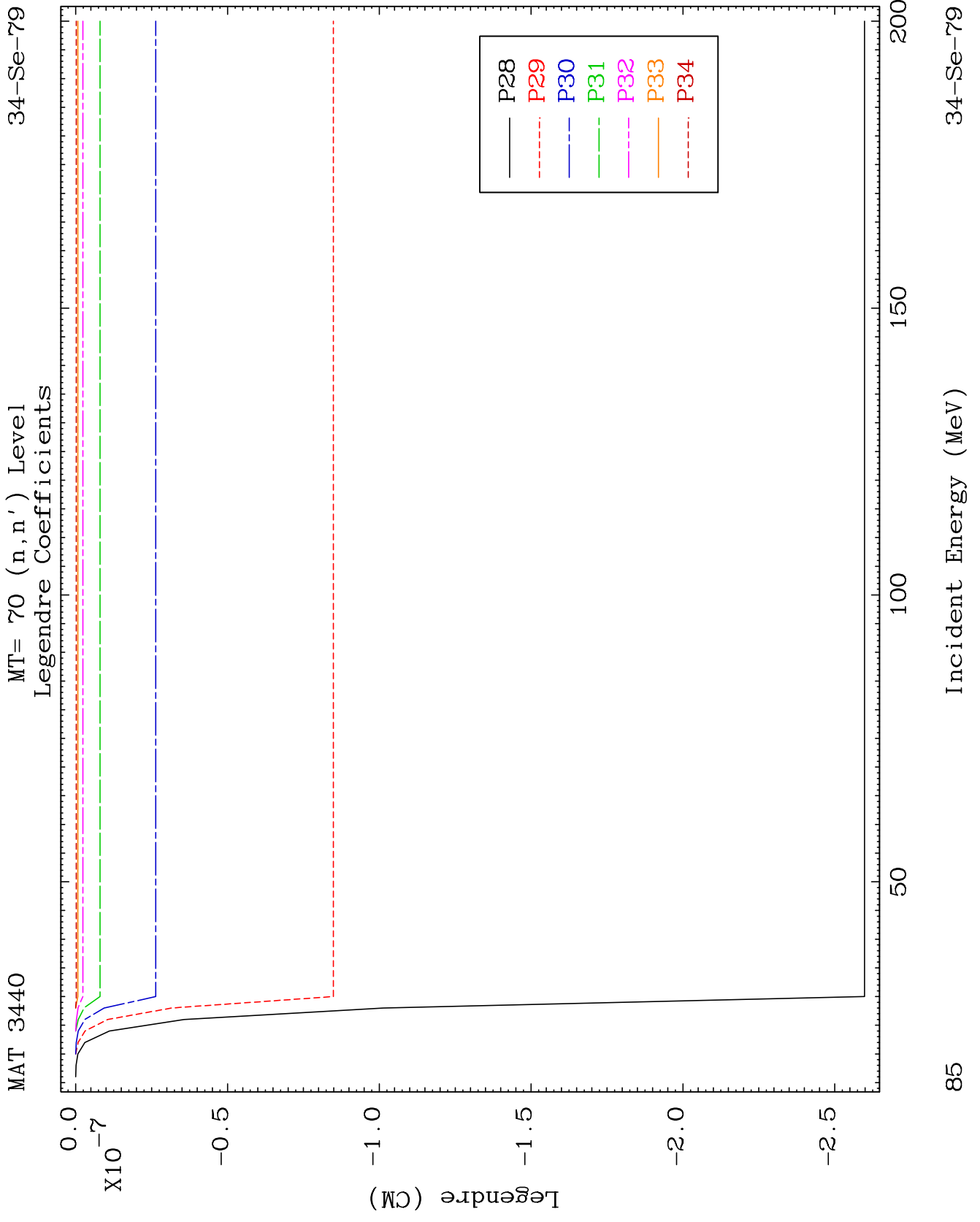
82

Incident Energy (MeV)

34-Se-79



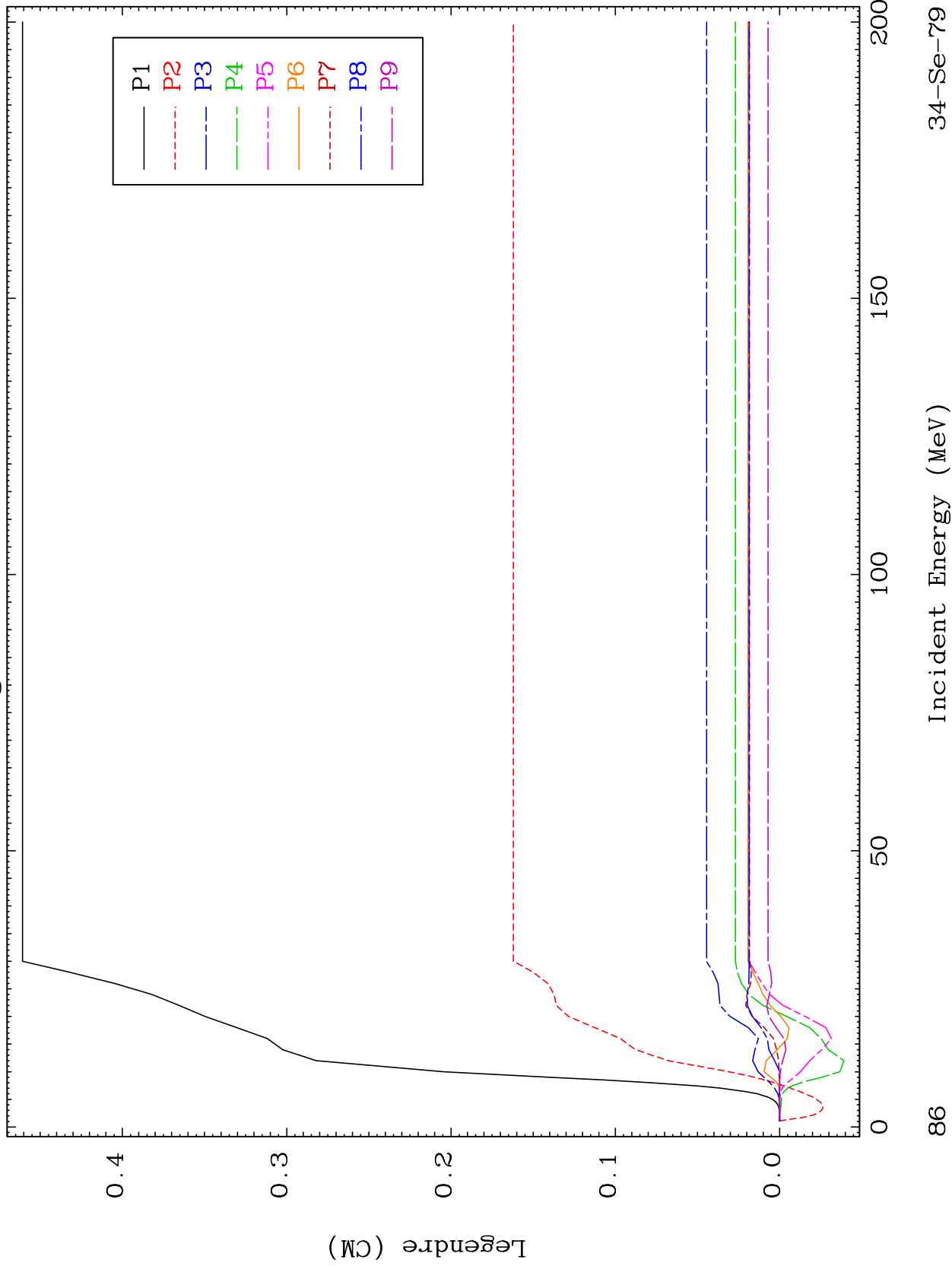




MAT 3440

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

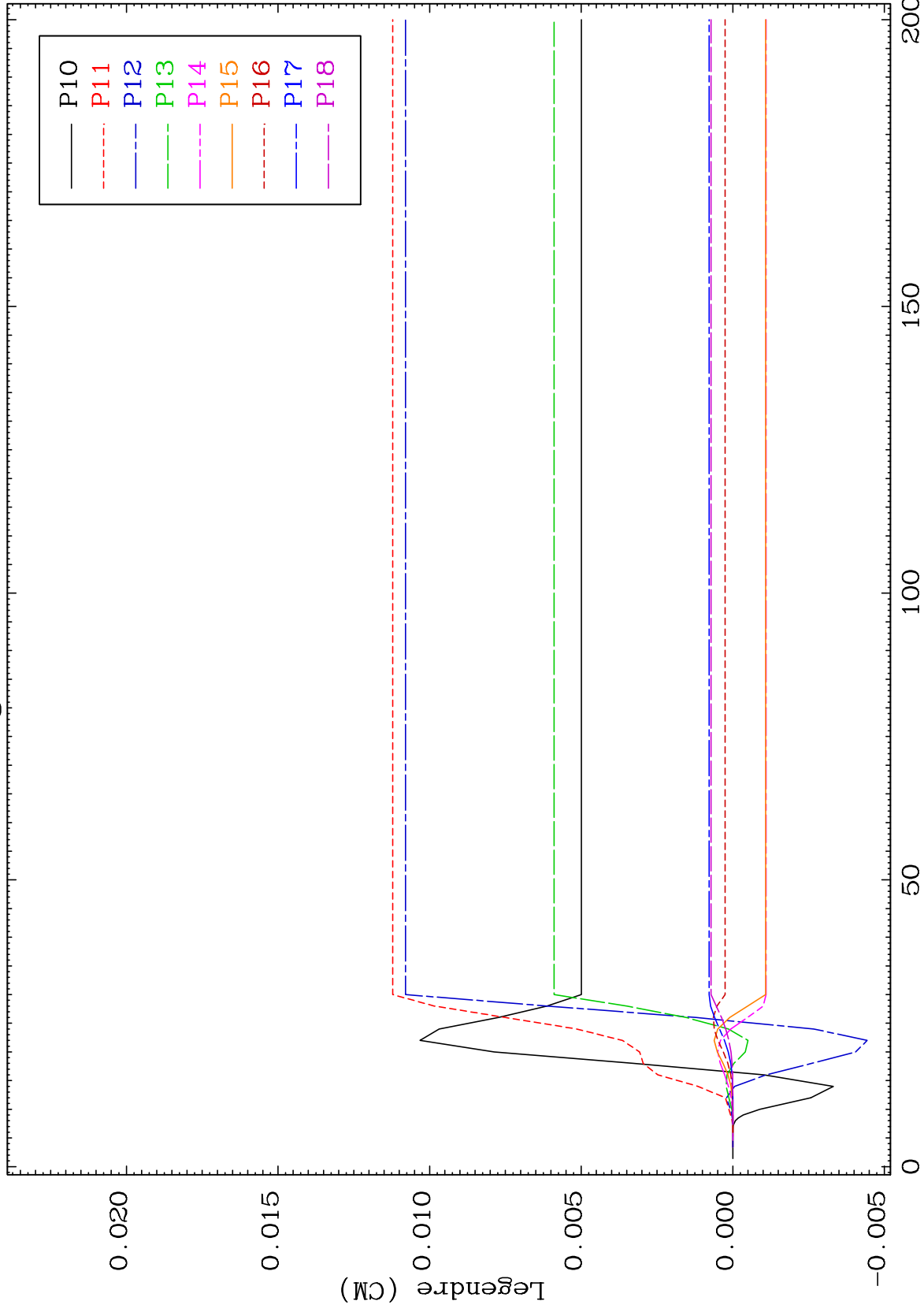
34-Se-79



MAT 3440

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

34-Se-79



87

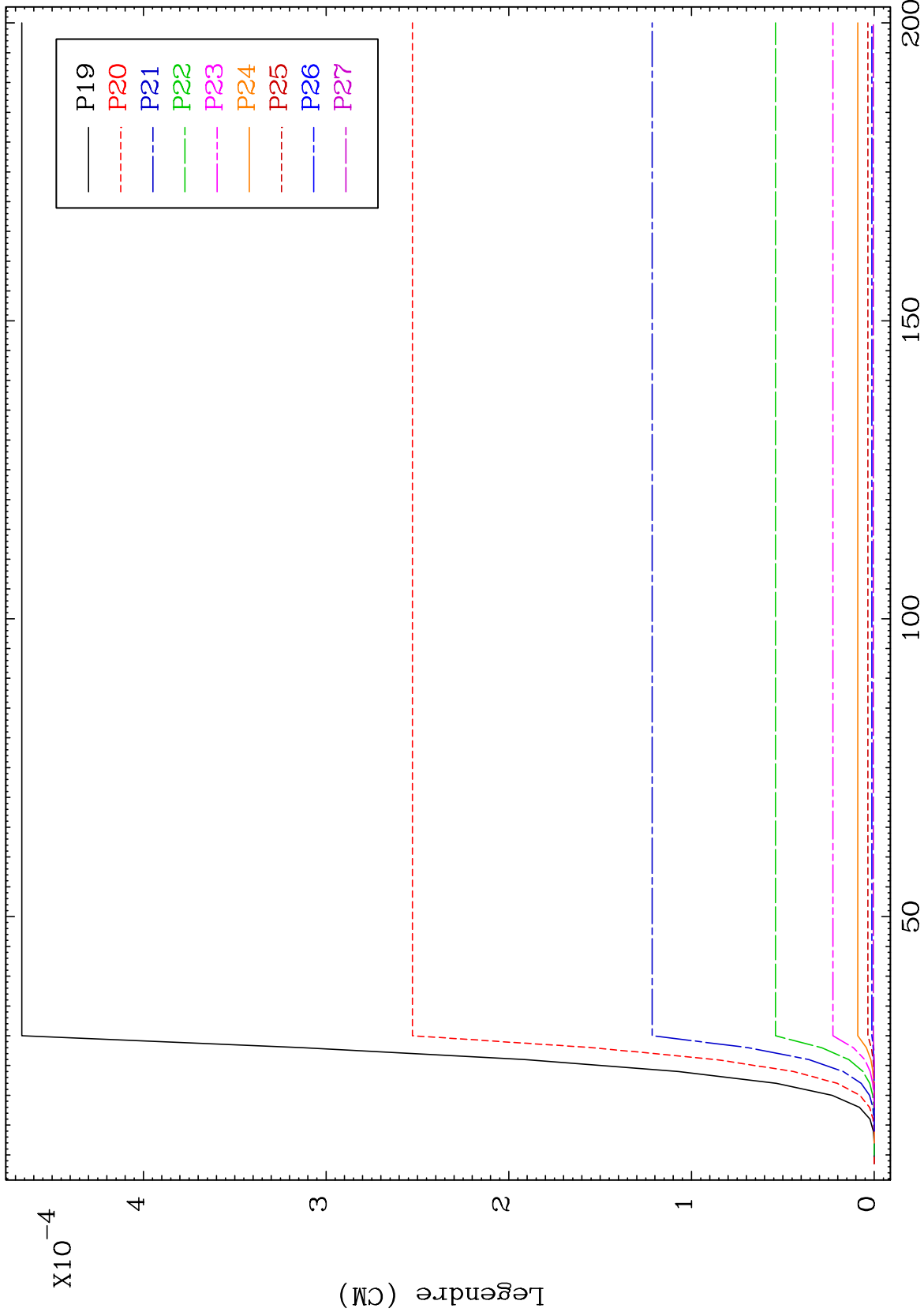
Incident Energy (MeV)

34-Se-79

MAT 3440

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

34-Se-79



88

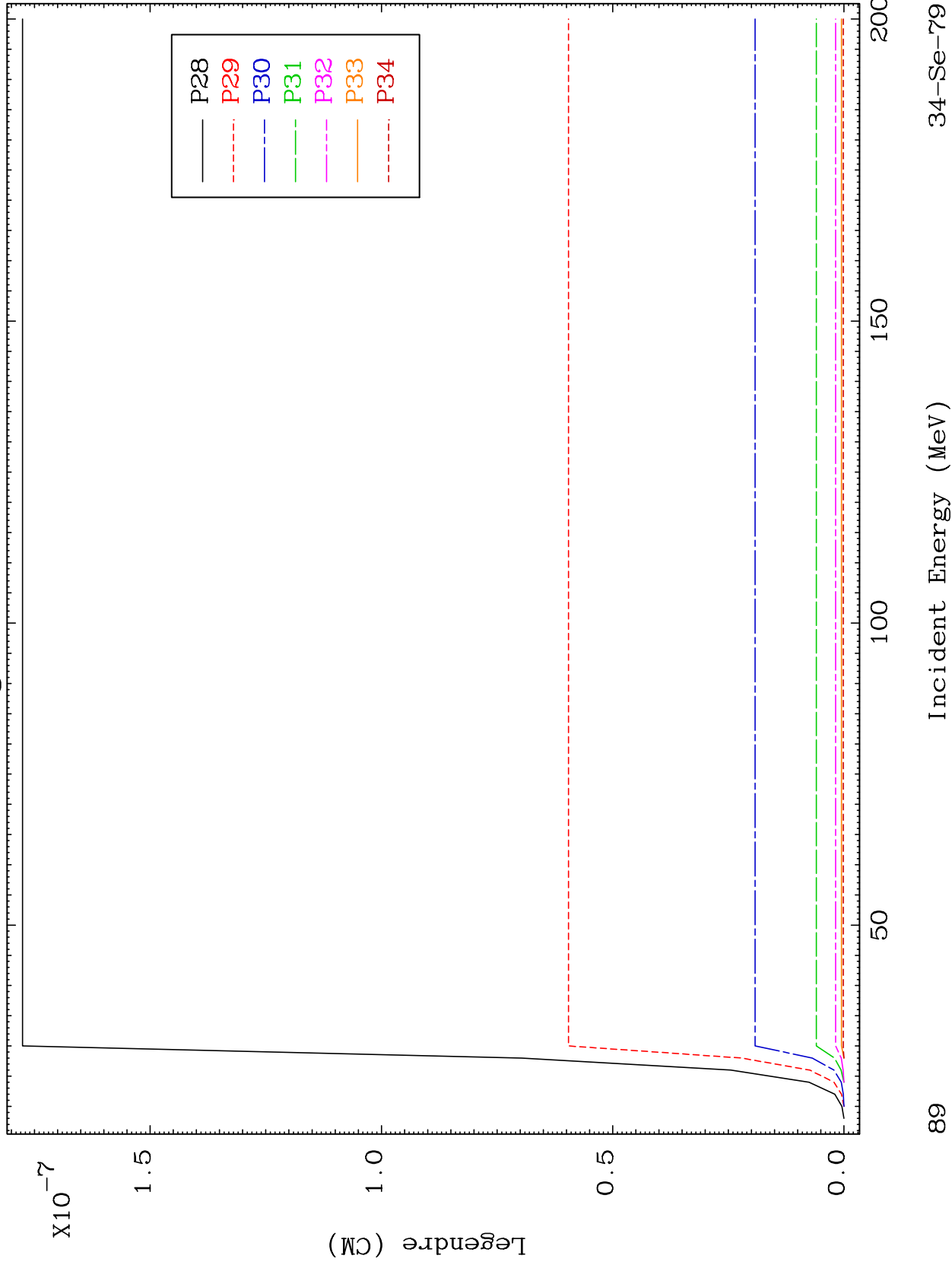
Incident Energy (MeV)

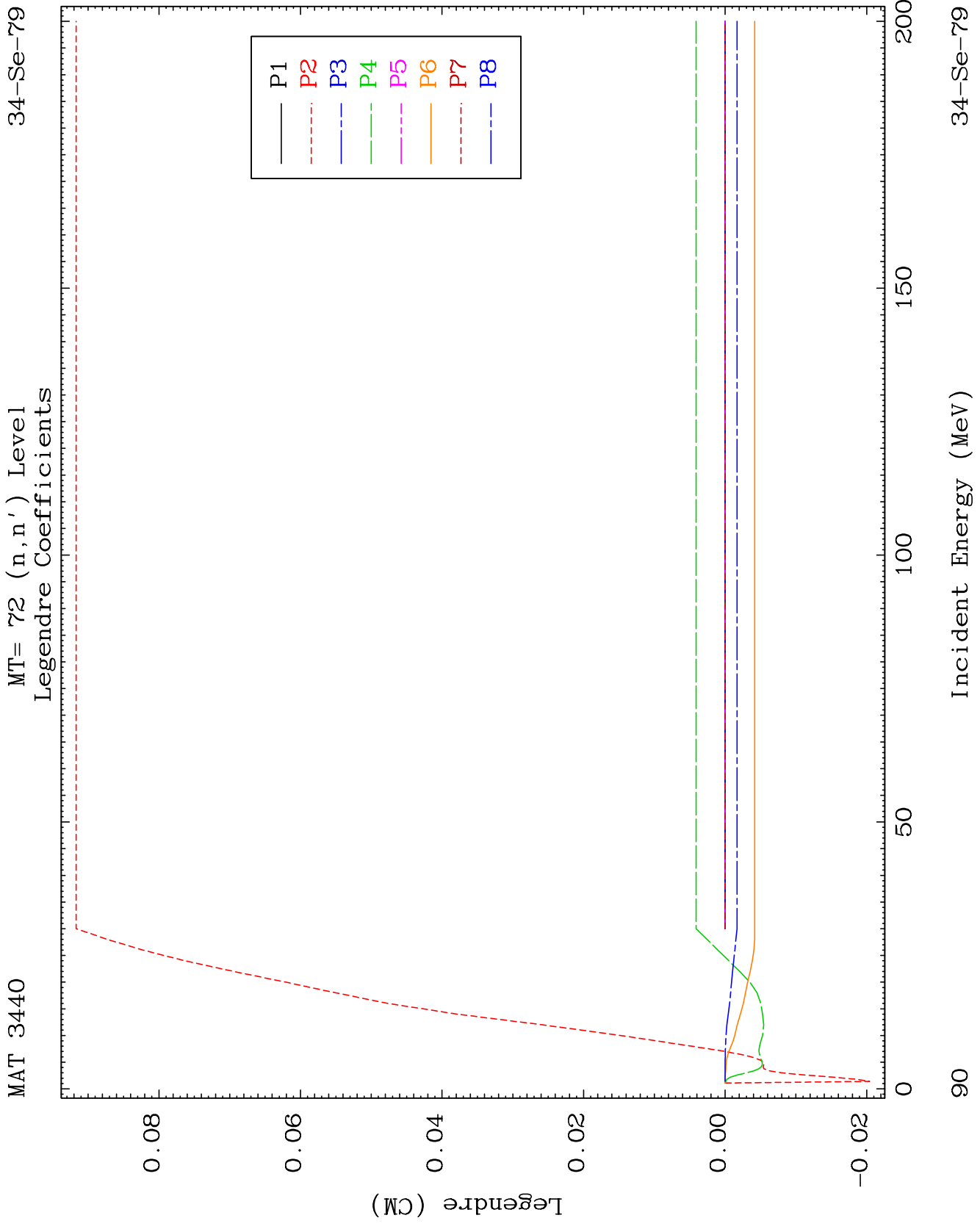
34-Se-79

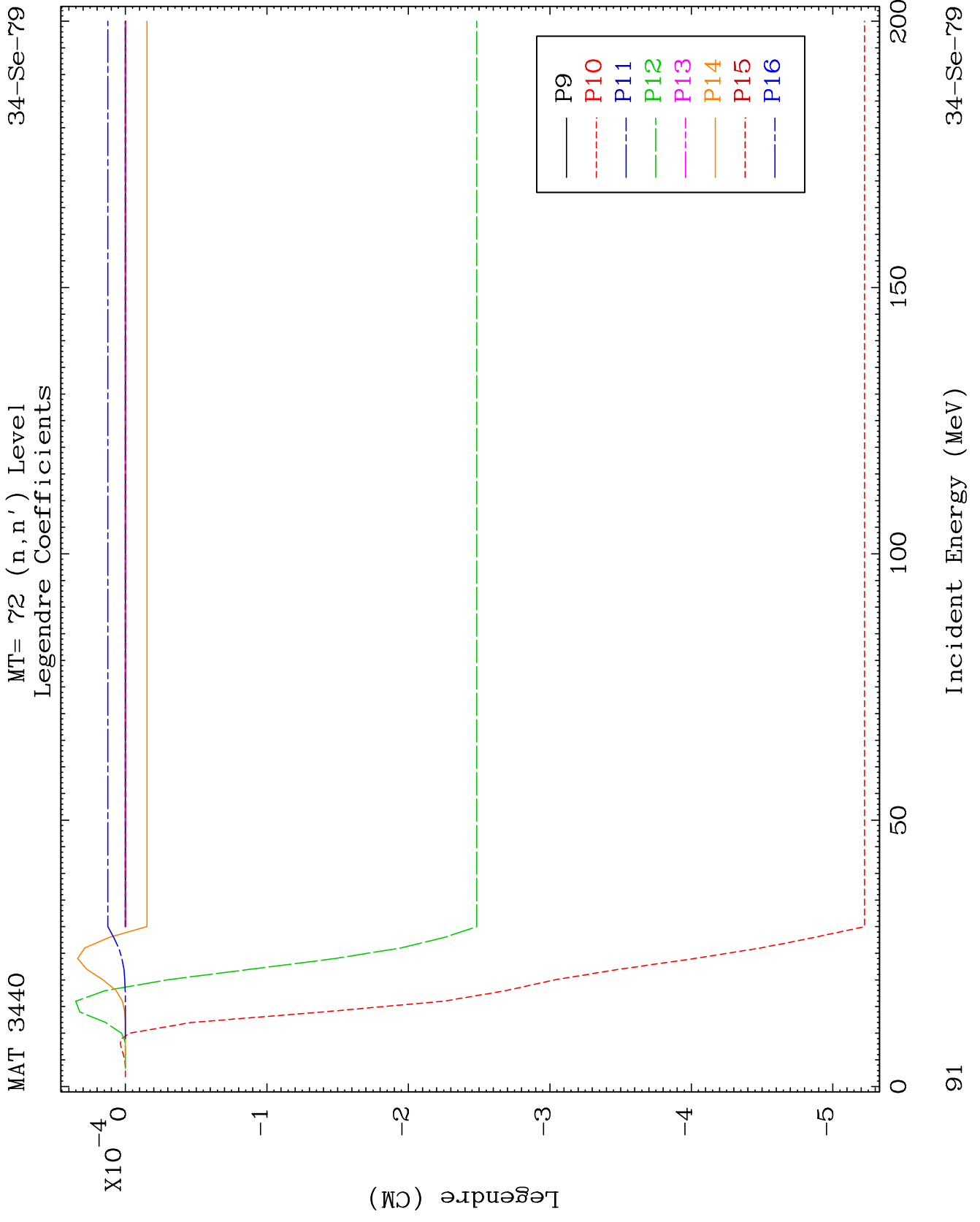
MAT 3440

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

34-Se-79



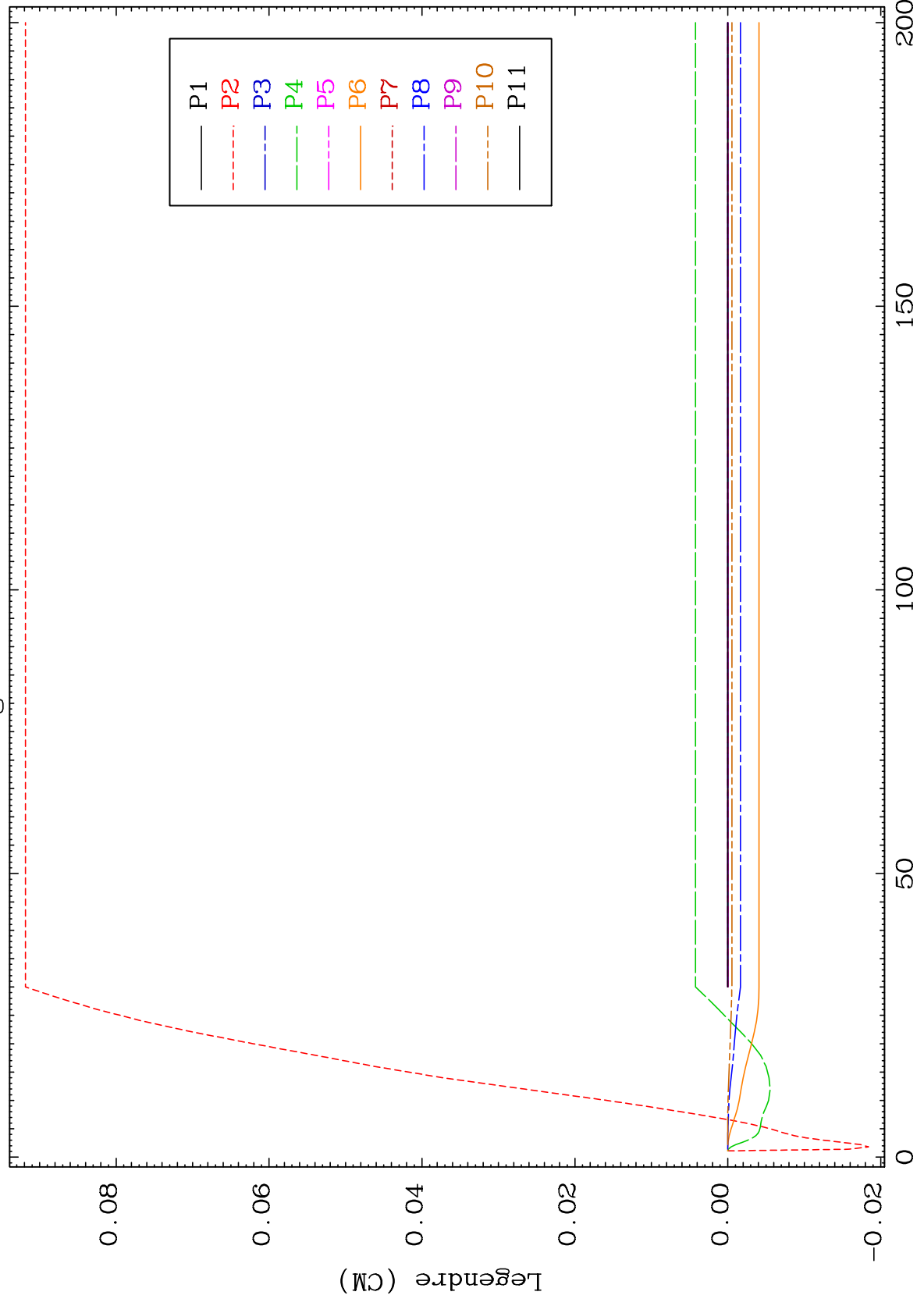




MAT 3440

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

34-Se-79



93

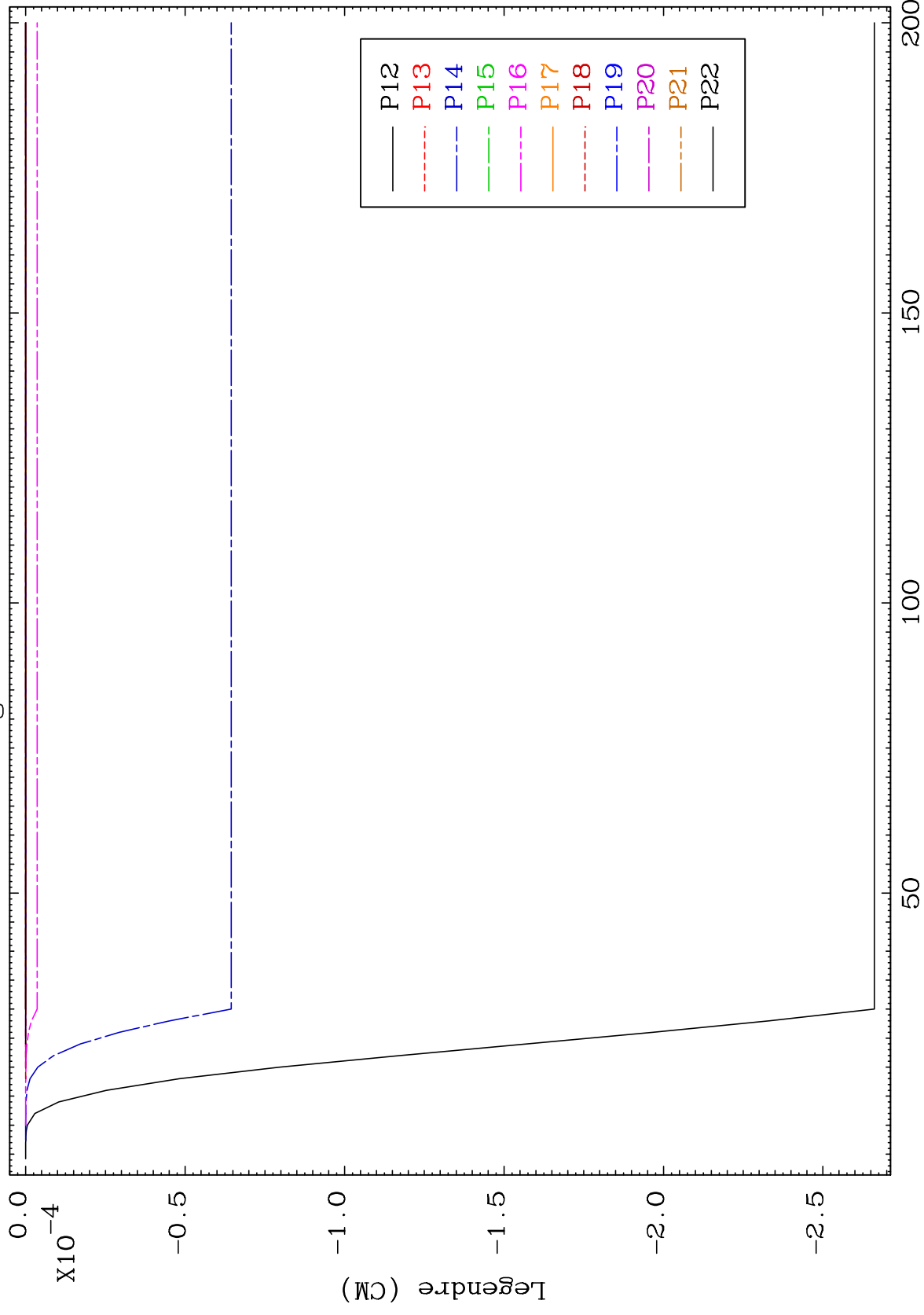
Incident Energy (MeV)

34-Se-79

MAT 3440

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

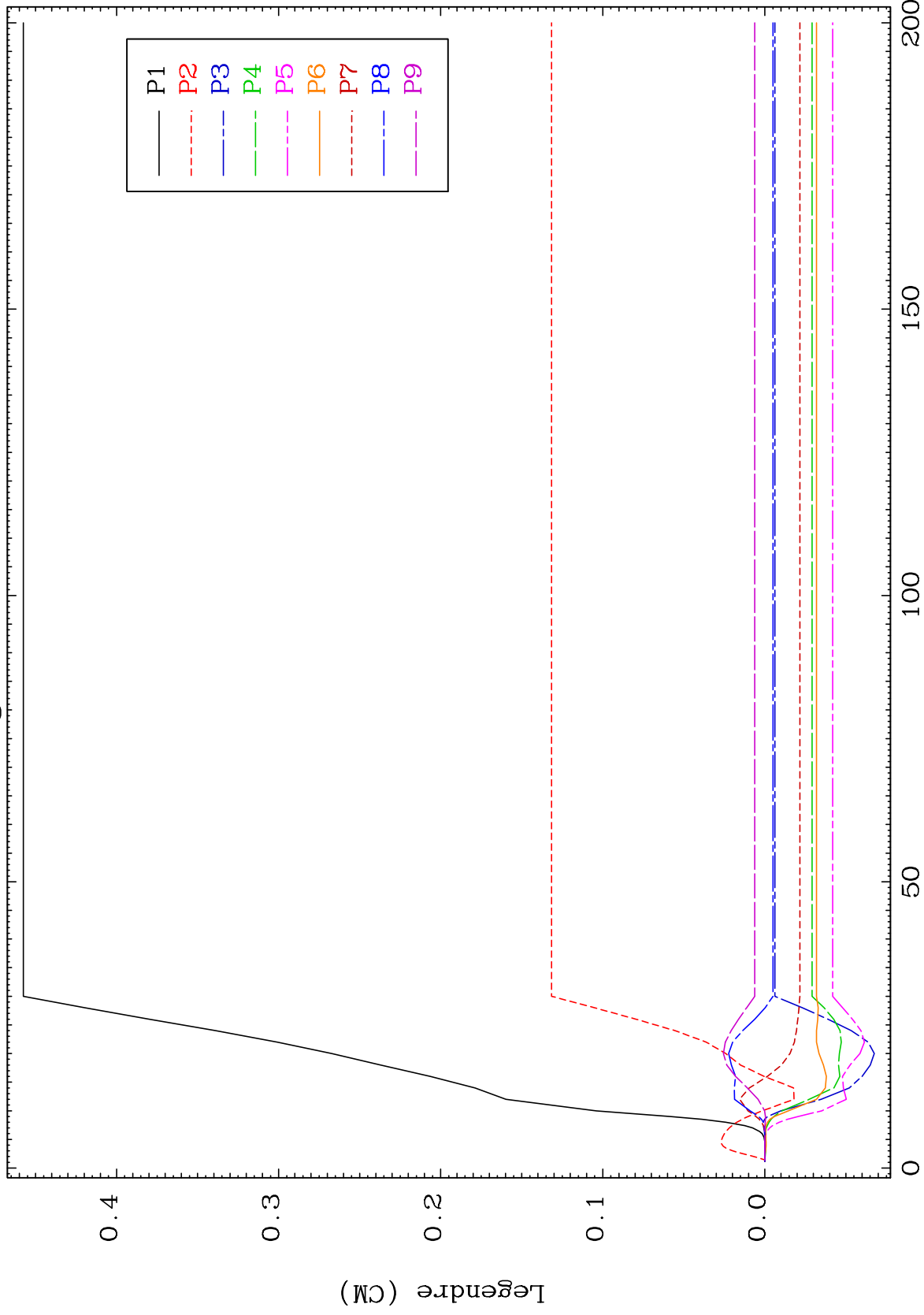
34-Se-79



MAT 3440

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

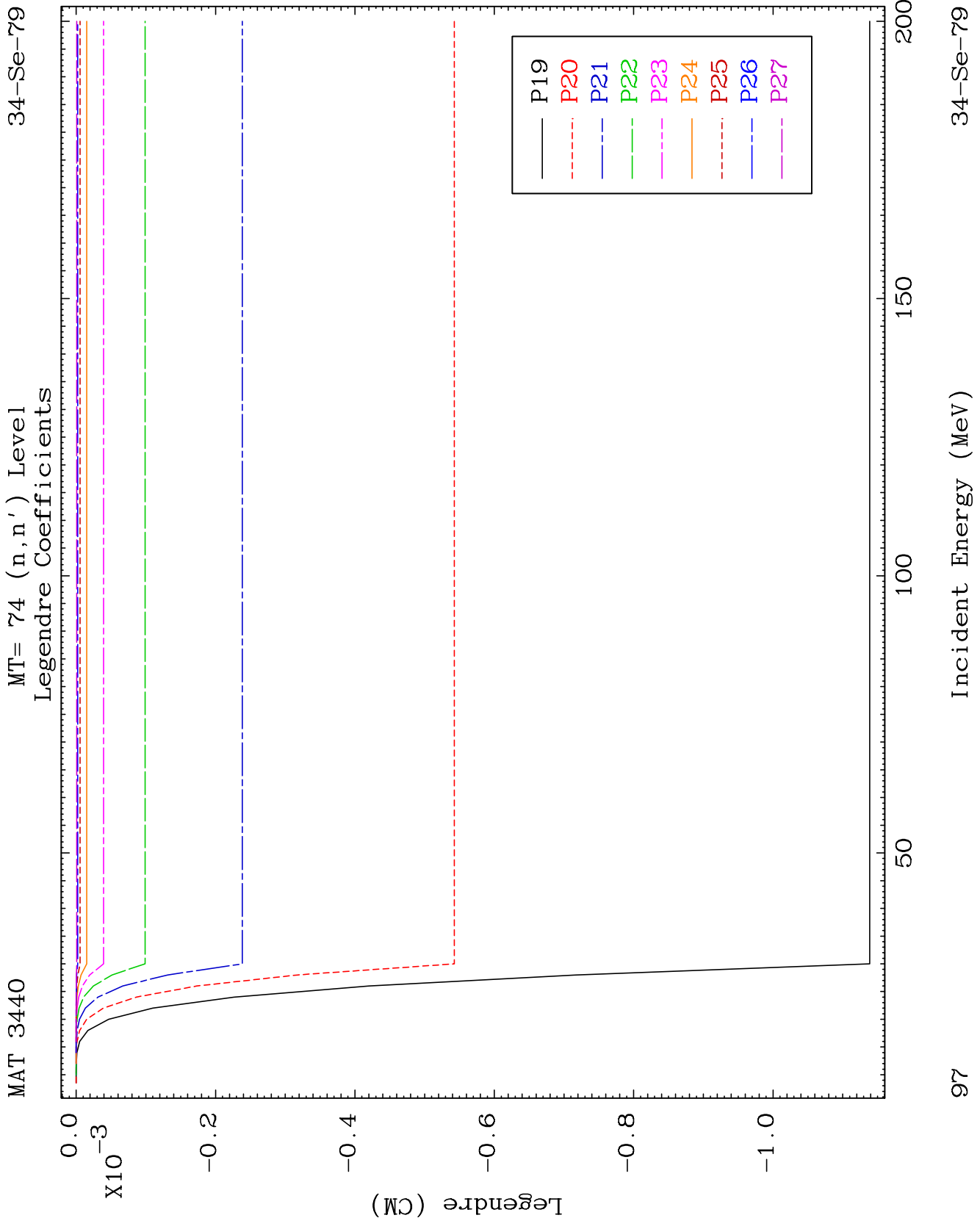
34-Se-79

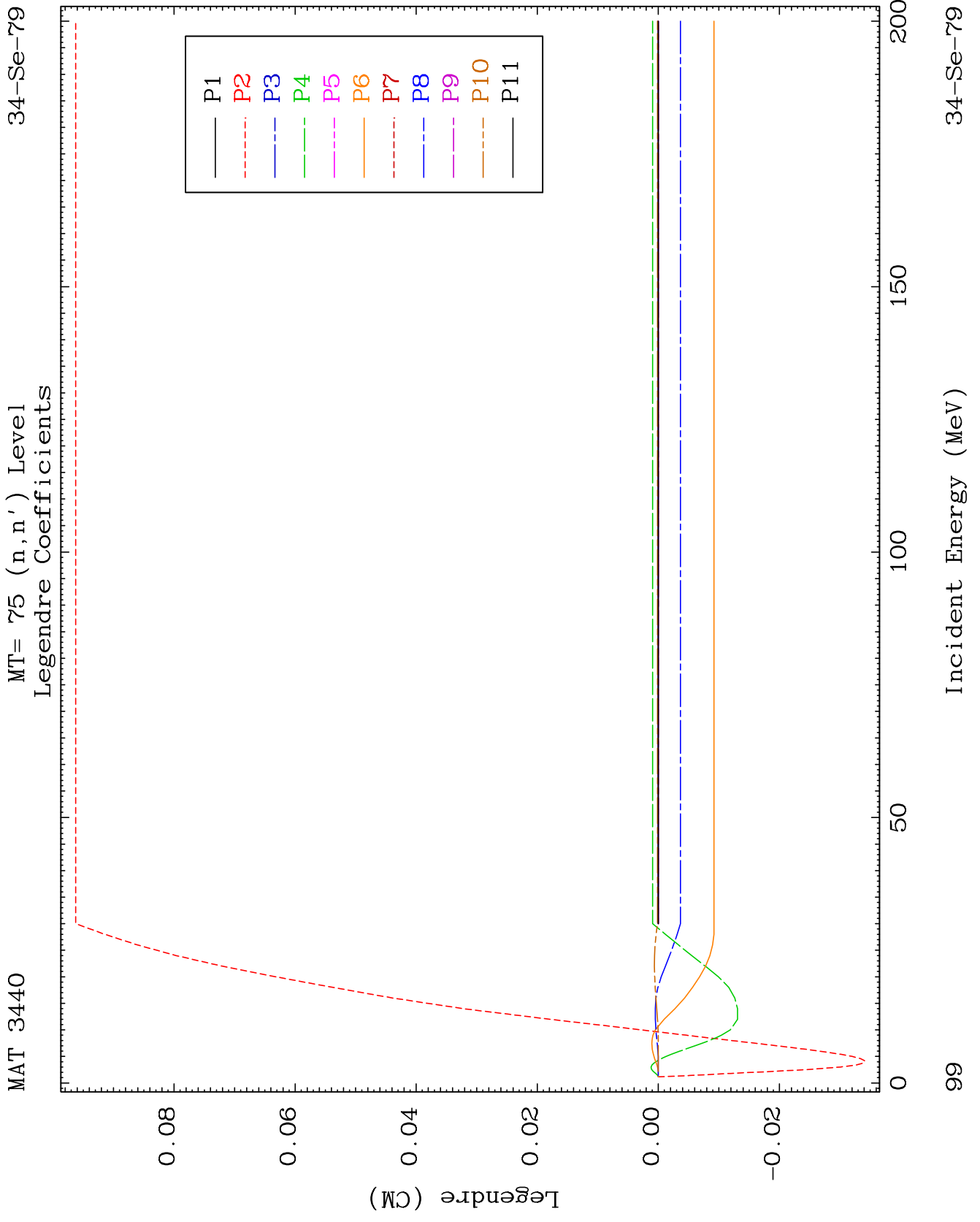


95

Incident Energy (MeV)

34-Se-79

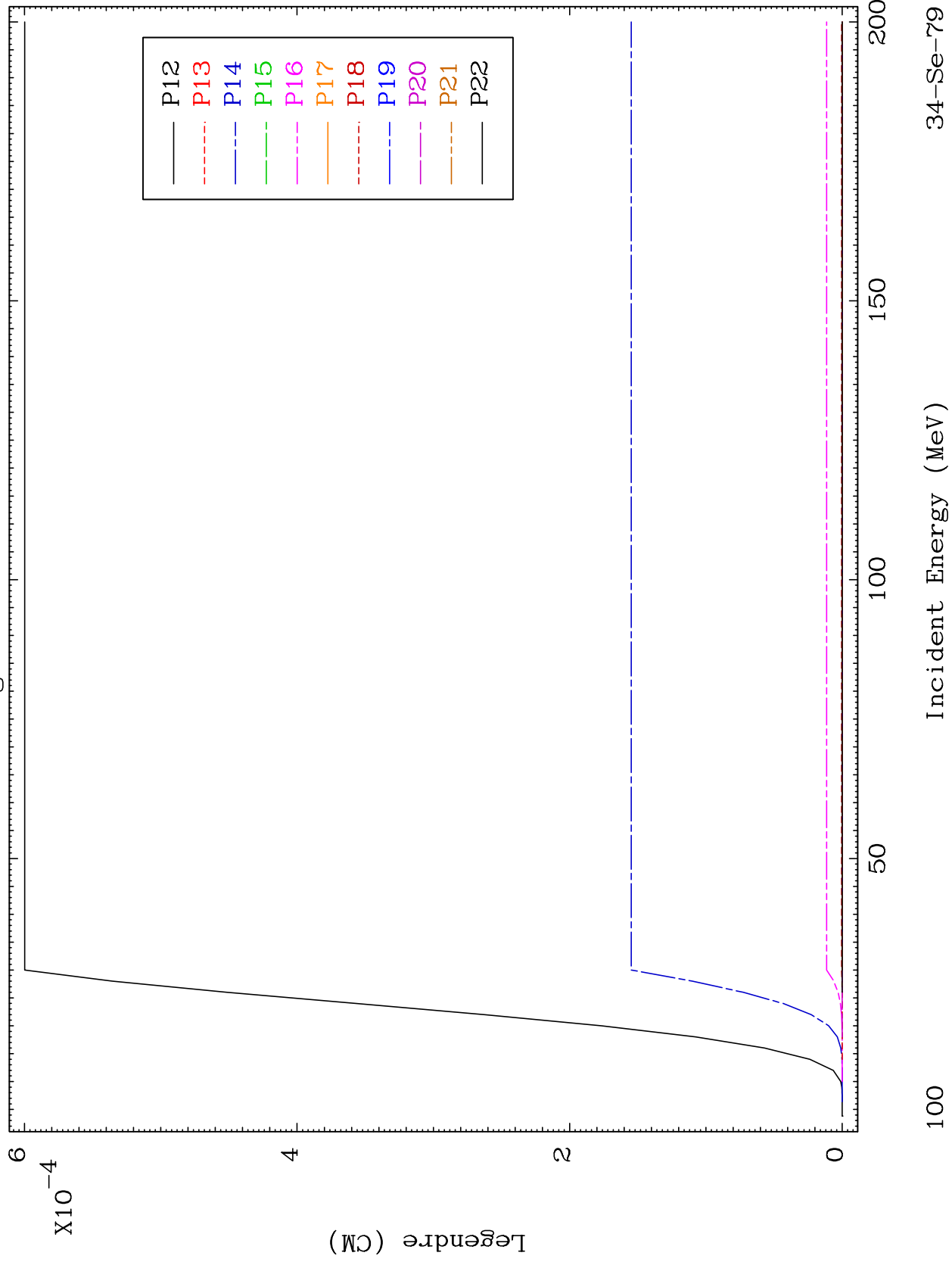




MAT 3440

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

34-Se-79

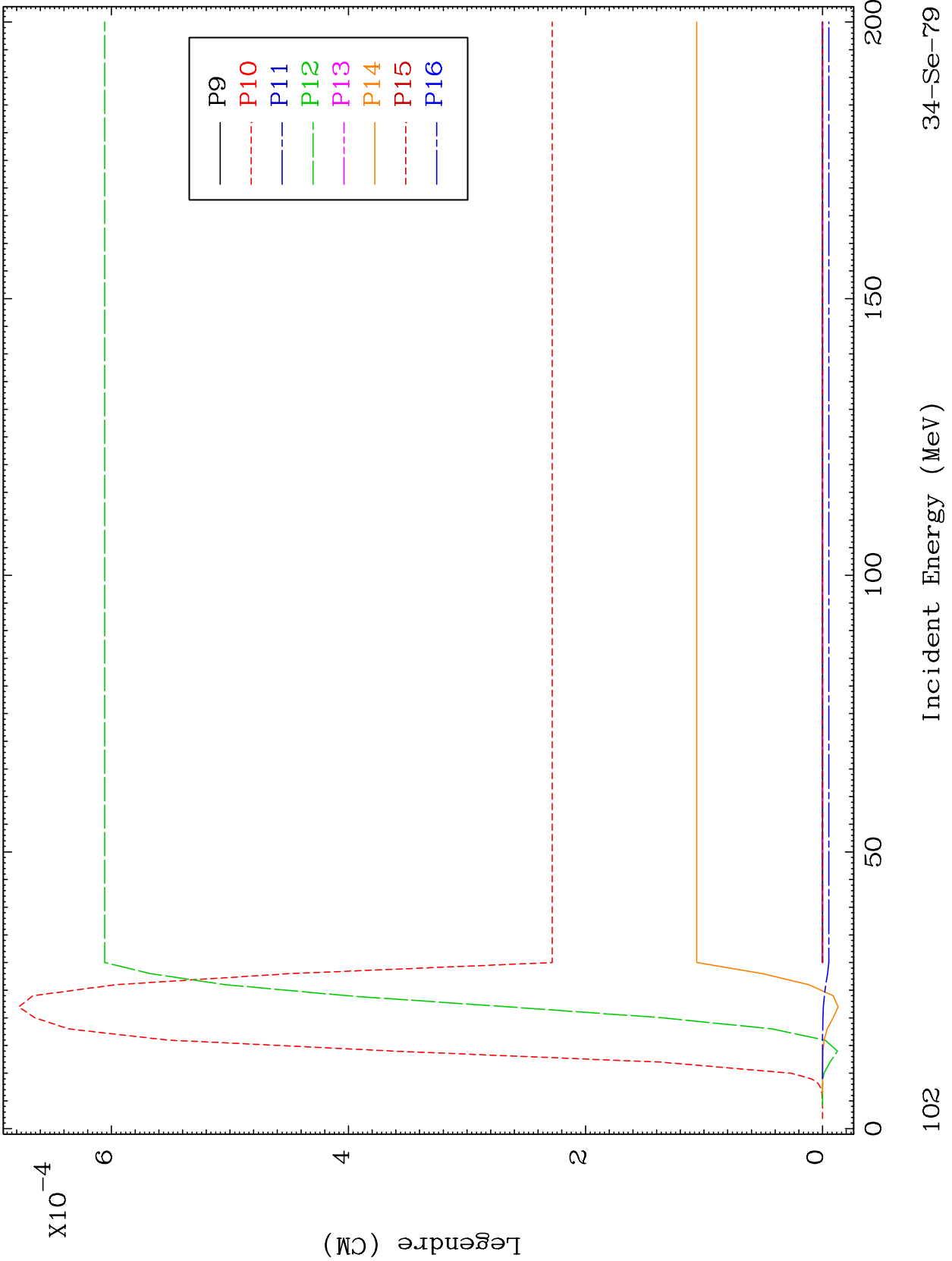


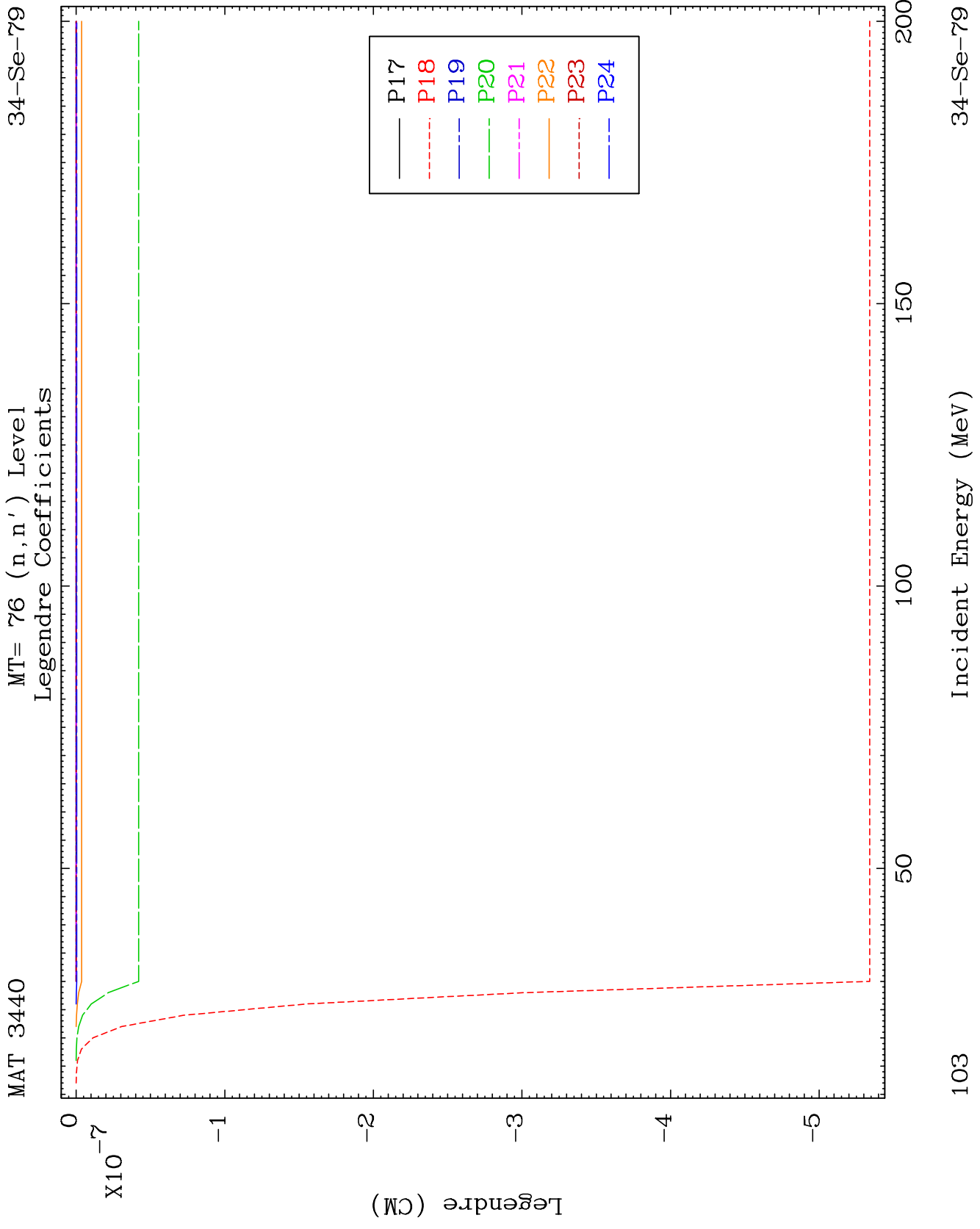
34-Se-79

Incident Energy (MeV)

100

MAT 3440 MT= 76 (n,n') Level Legendre Coefficients 34-Se-79

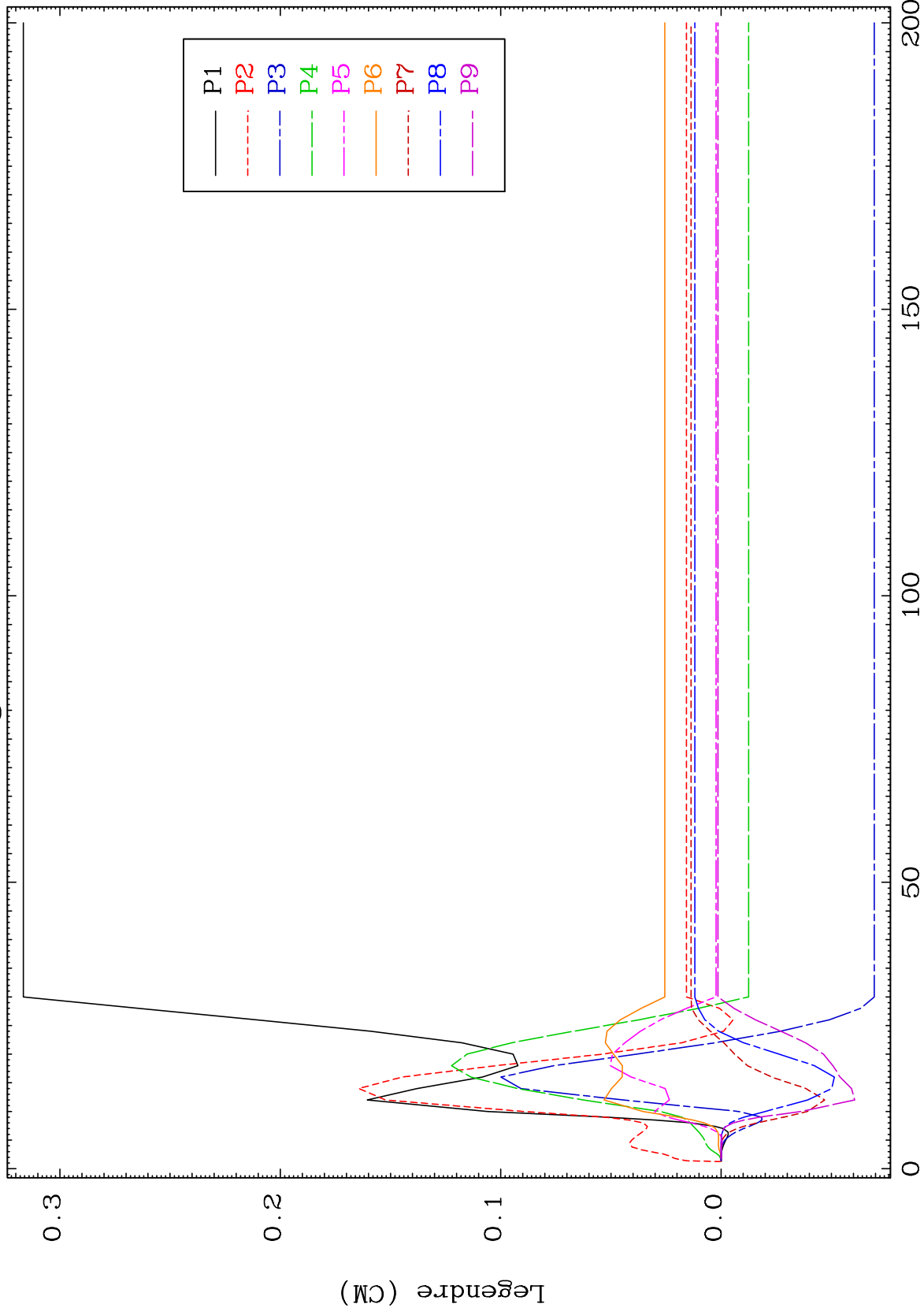




MAT 3440

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

³⁴Se-79



104

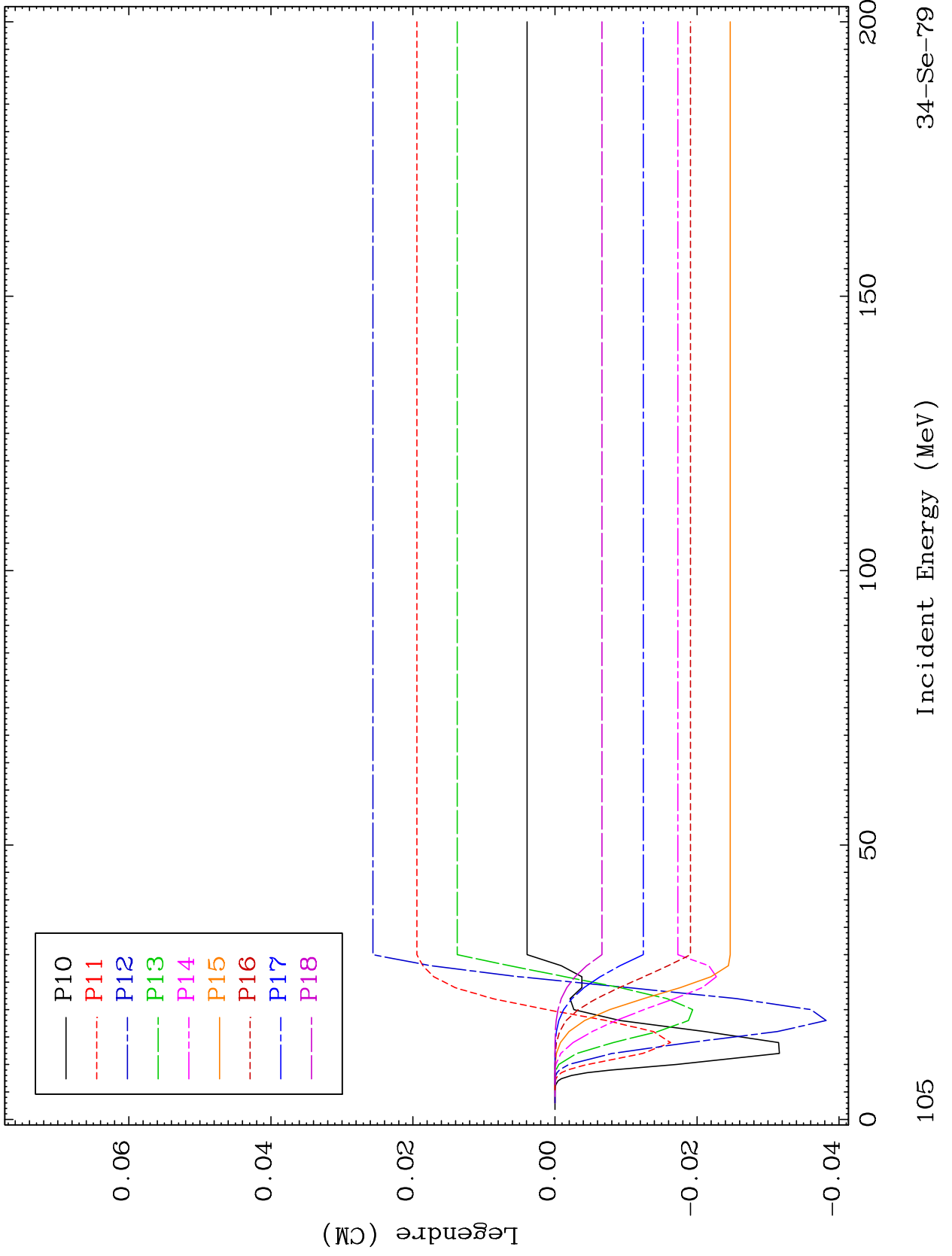
Incident Energy (MeV)

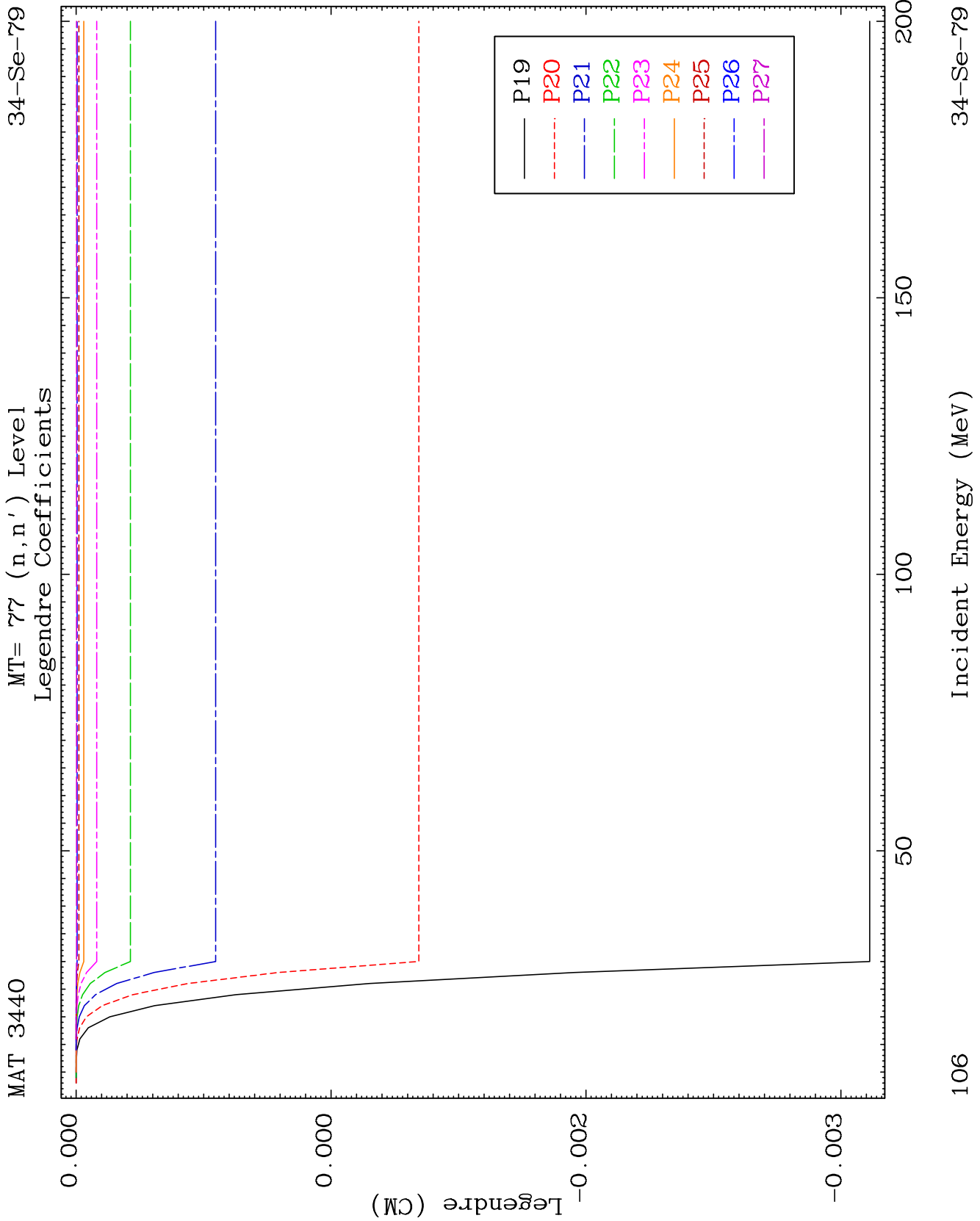
³⁴Se-79

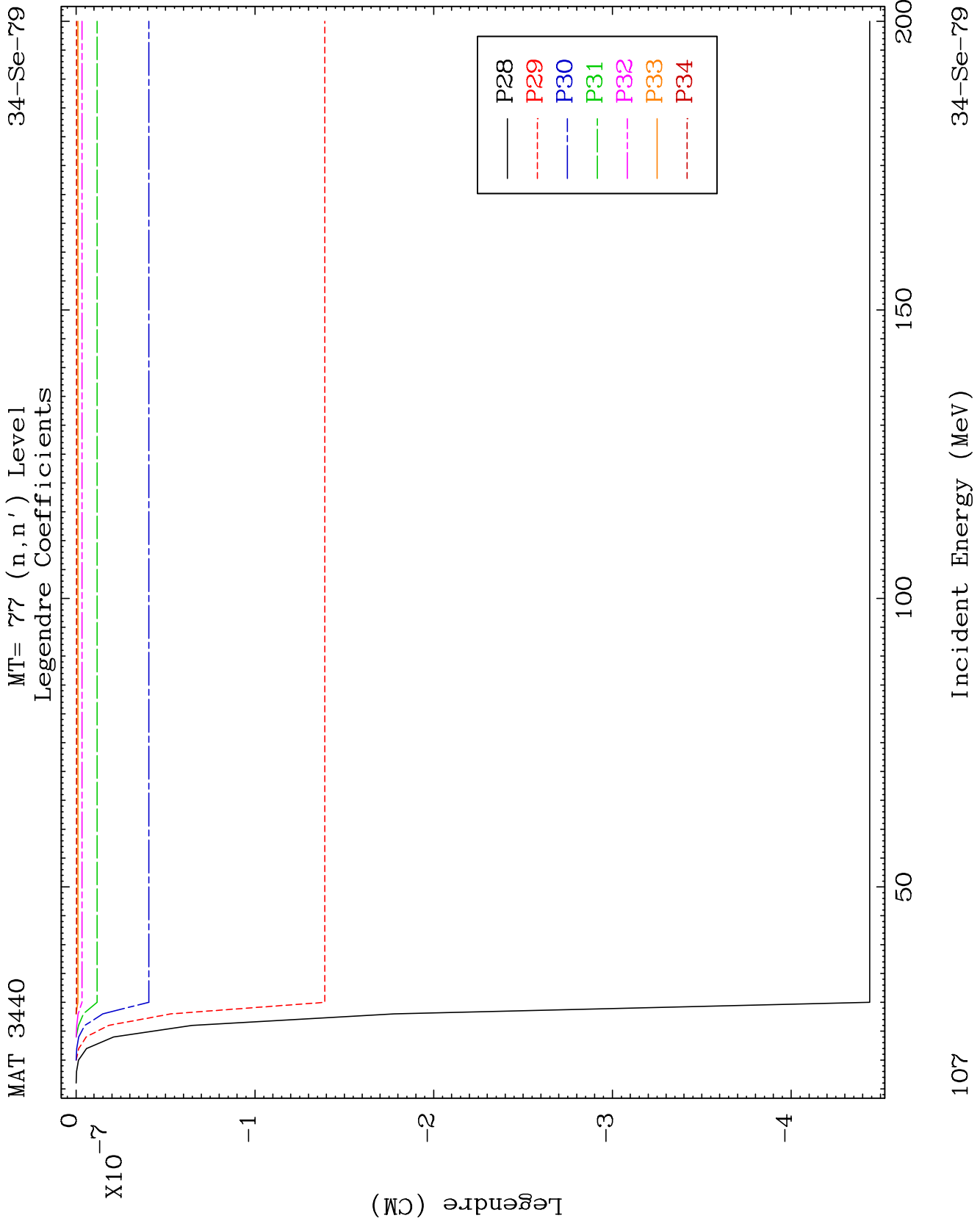
MAT 3440

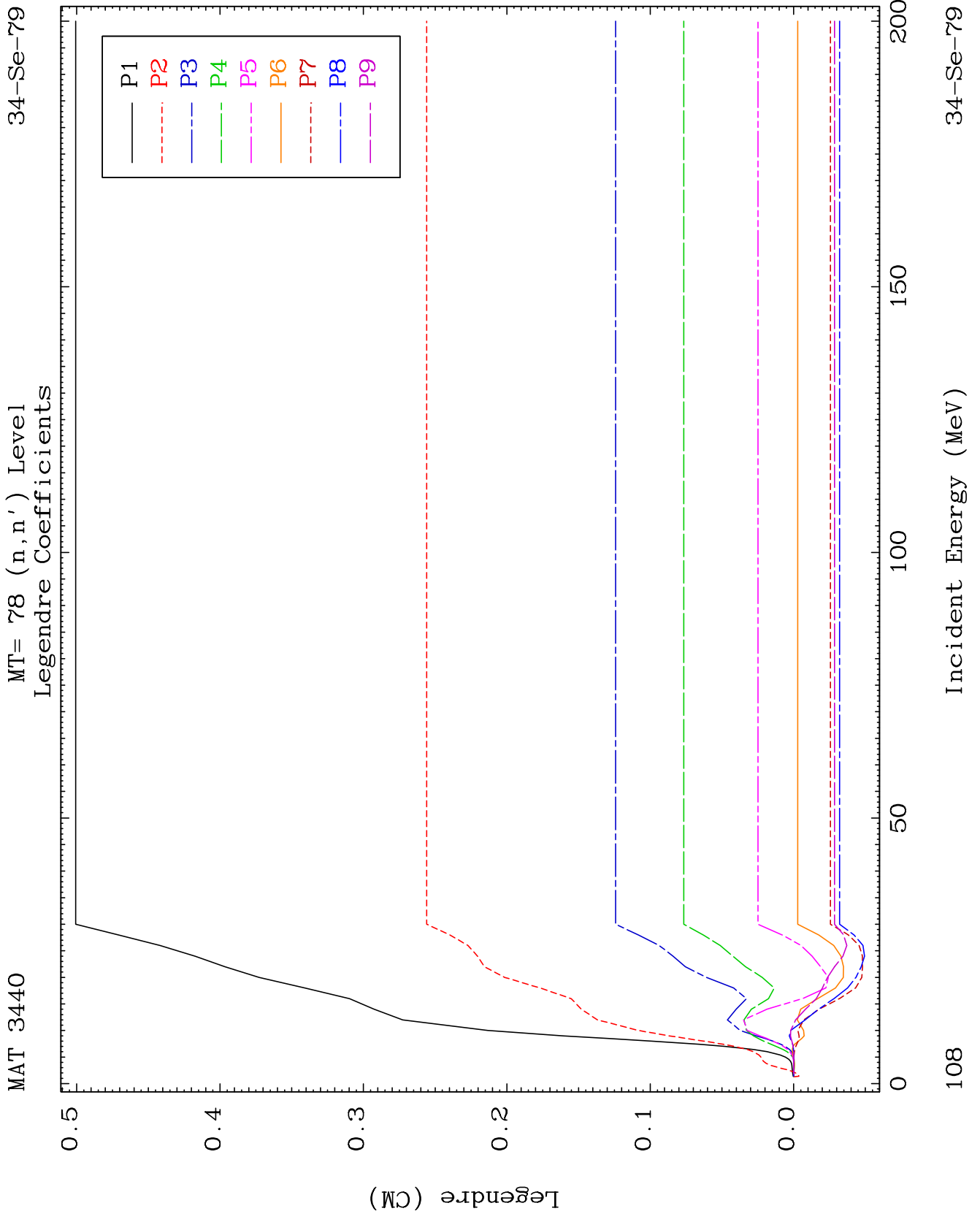
MT= 77 (n,n') Level
Legendre Coefficients

³⁴Se-79





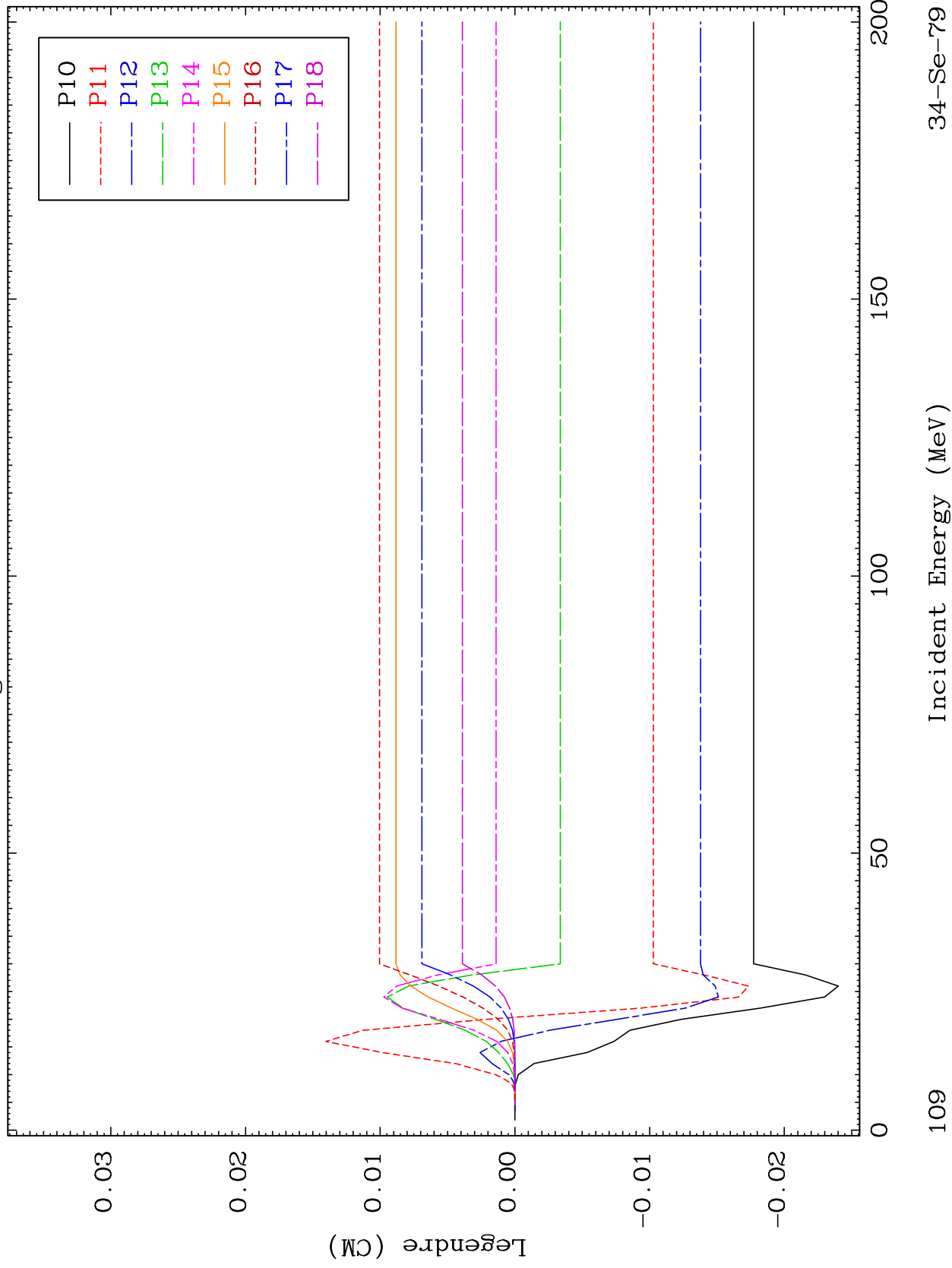




MAT 3440

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

³⁴Se-79



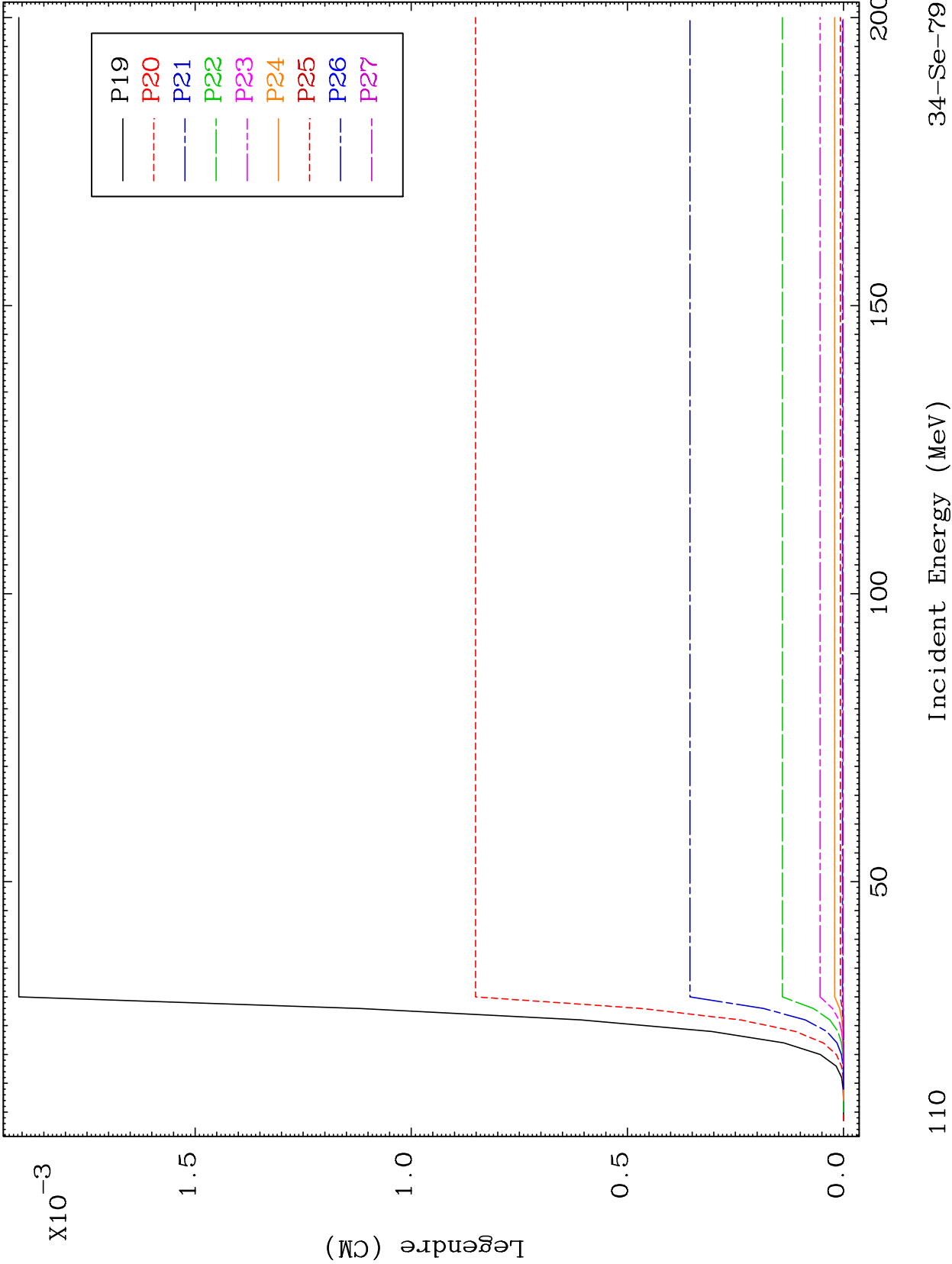
109

³⁴Se-79

MAT 3440

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

³⁴Se-79



110

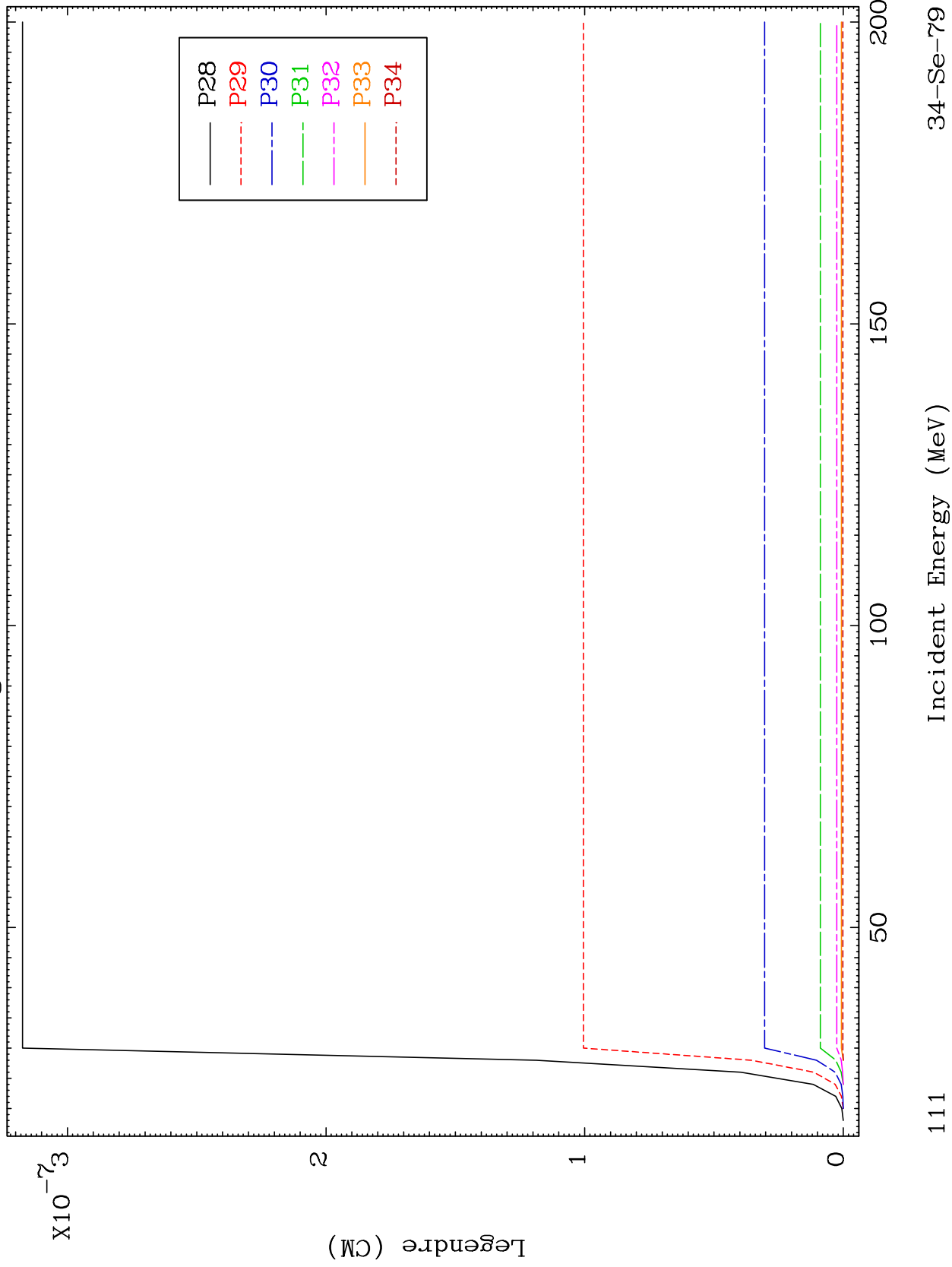
Incident Energy (MeV)

³⁴Se-79

MAT 3440

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

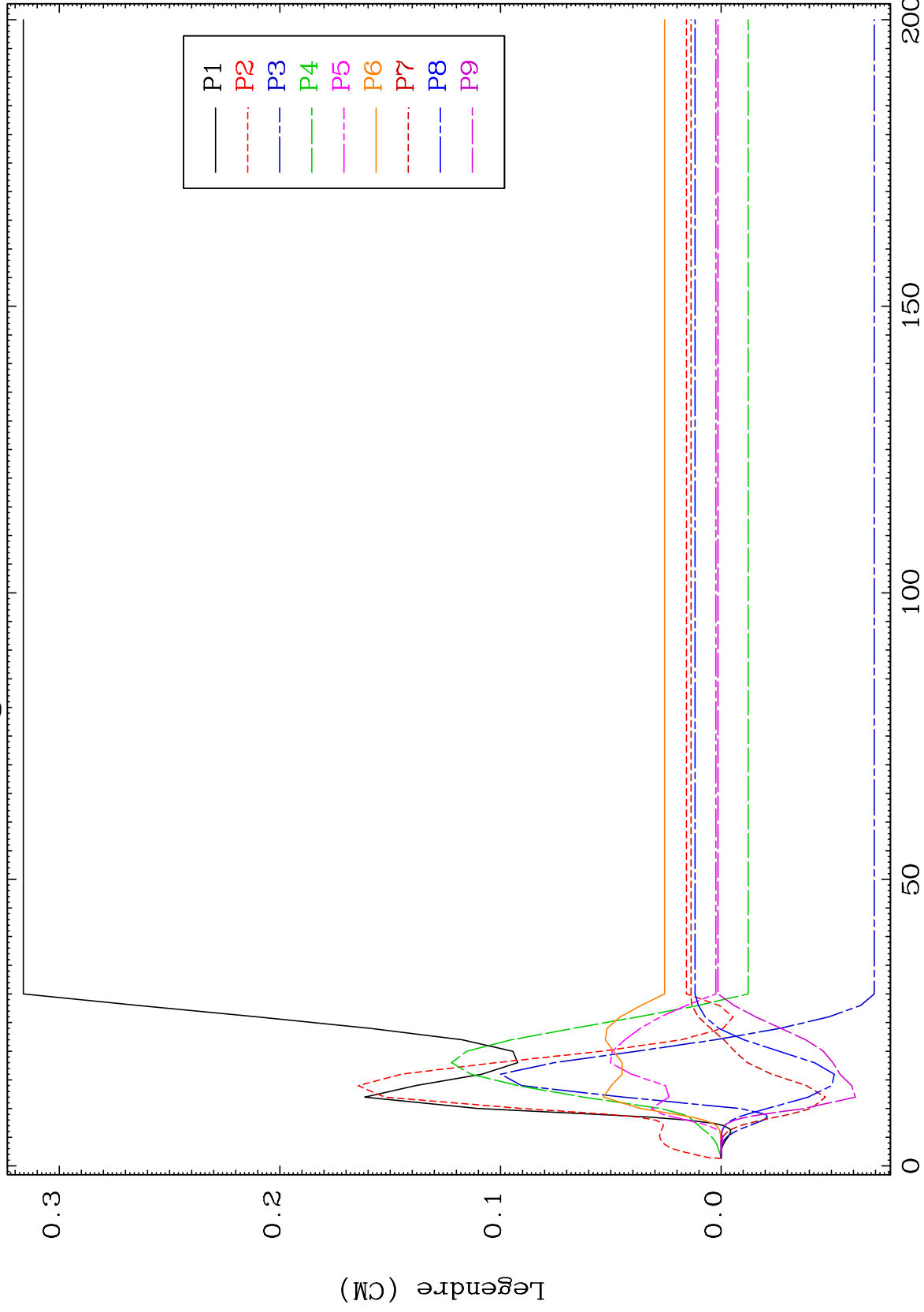
³⁴Se-79



MAT 3440

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

³⁴Se-79



112

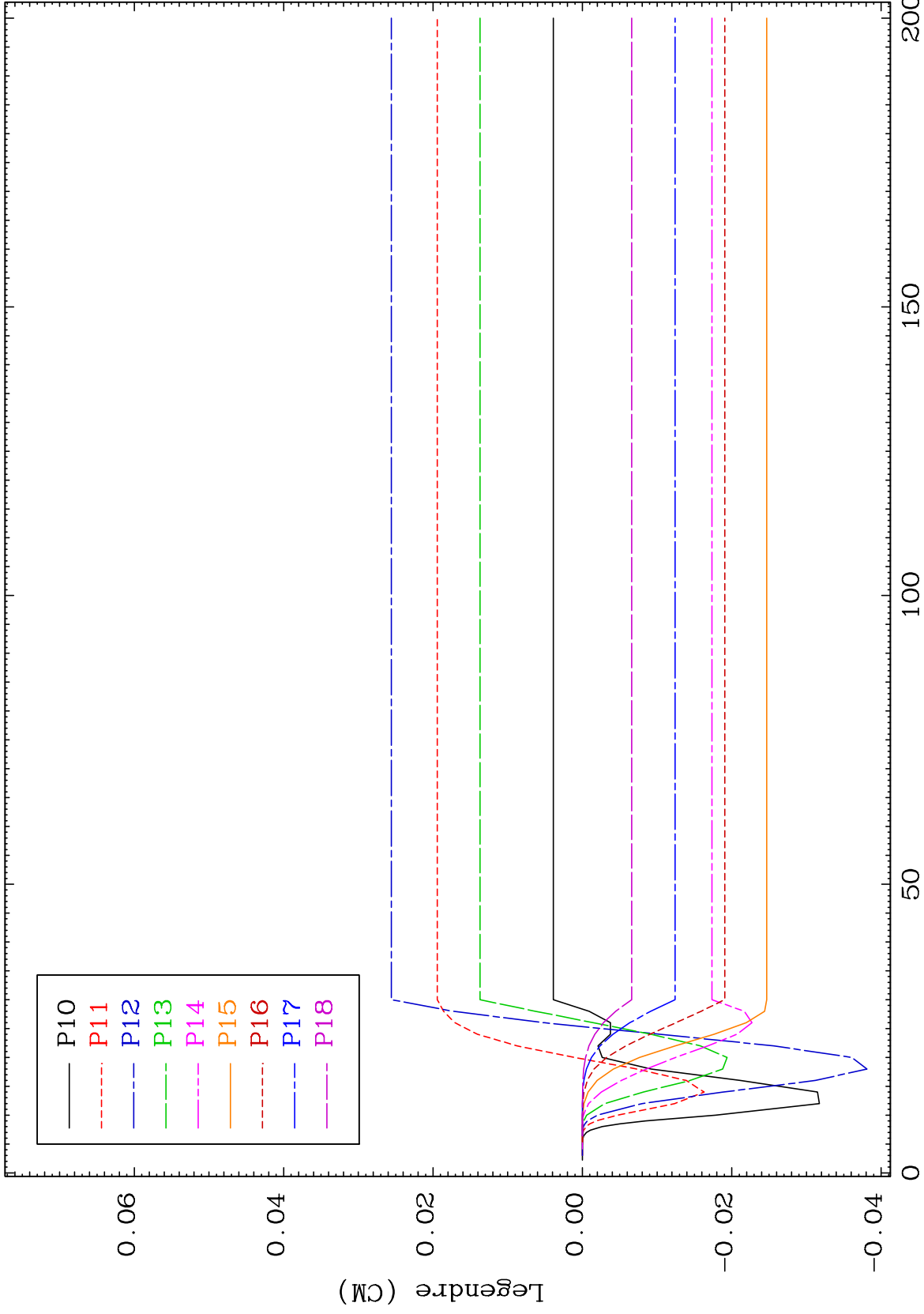
Incident Energy (MeV)

³⁴Se-79

MAT 3440

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

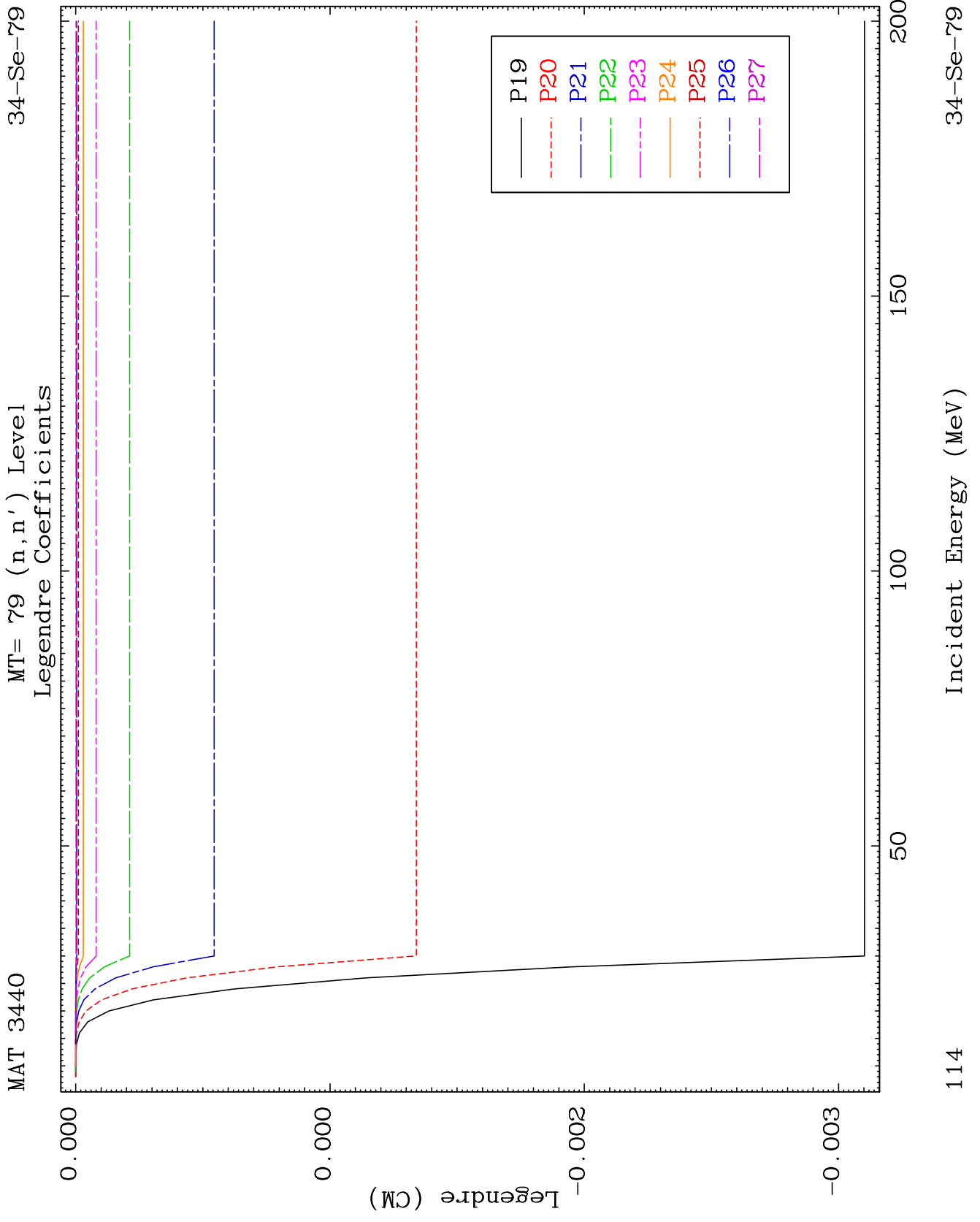
34-Se-79

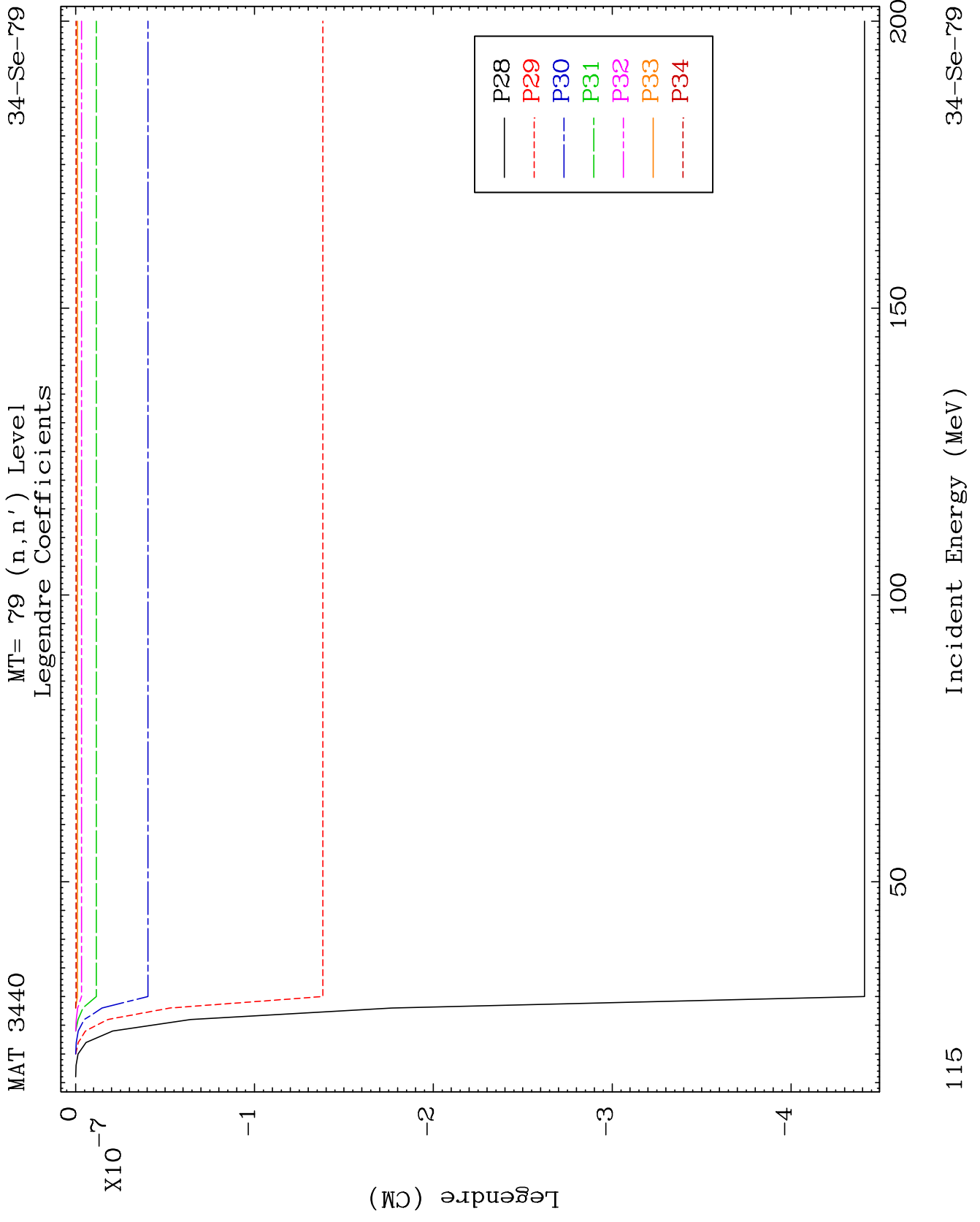


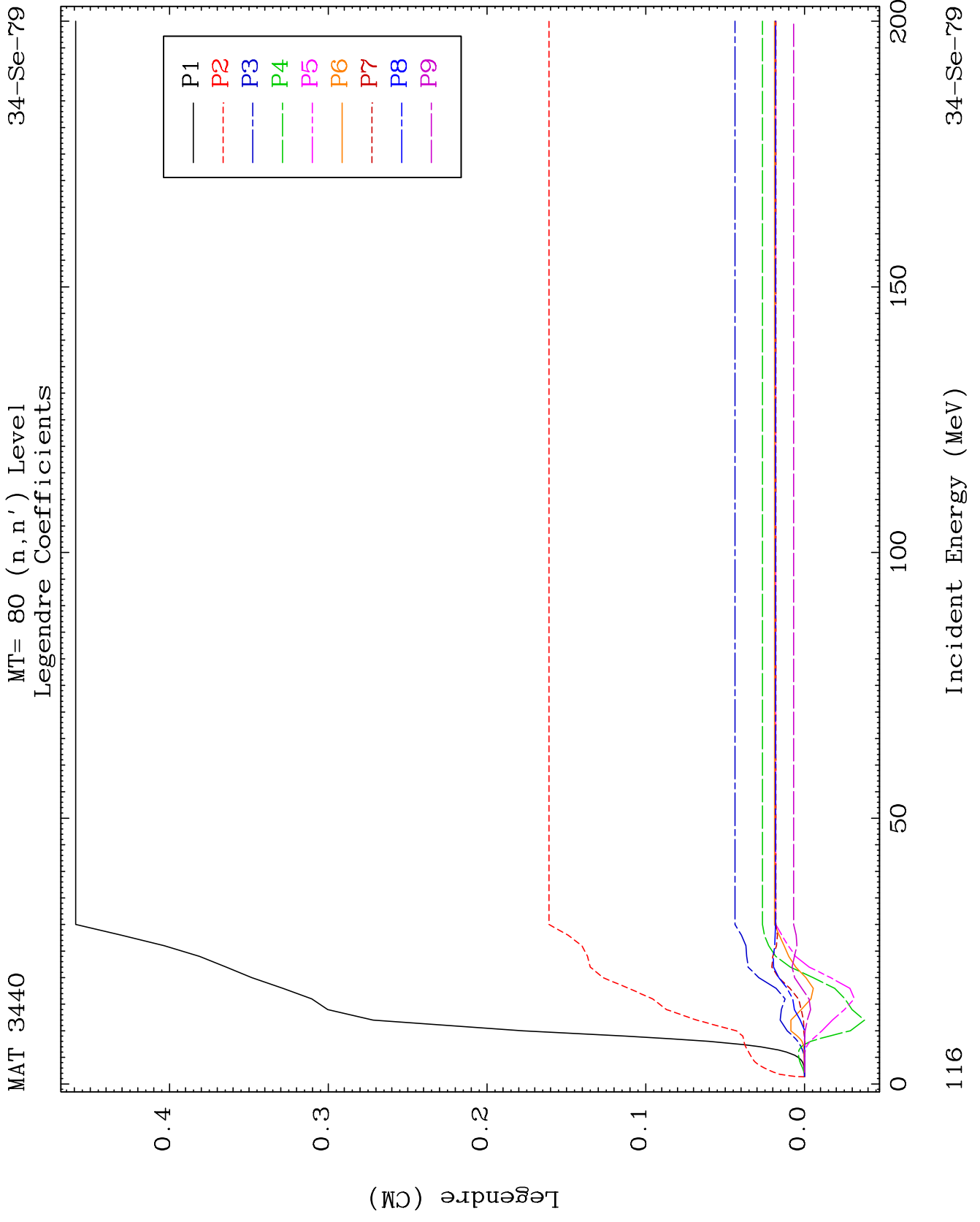
113

Incident Energy (MeV)

34-Se-79



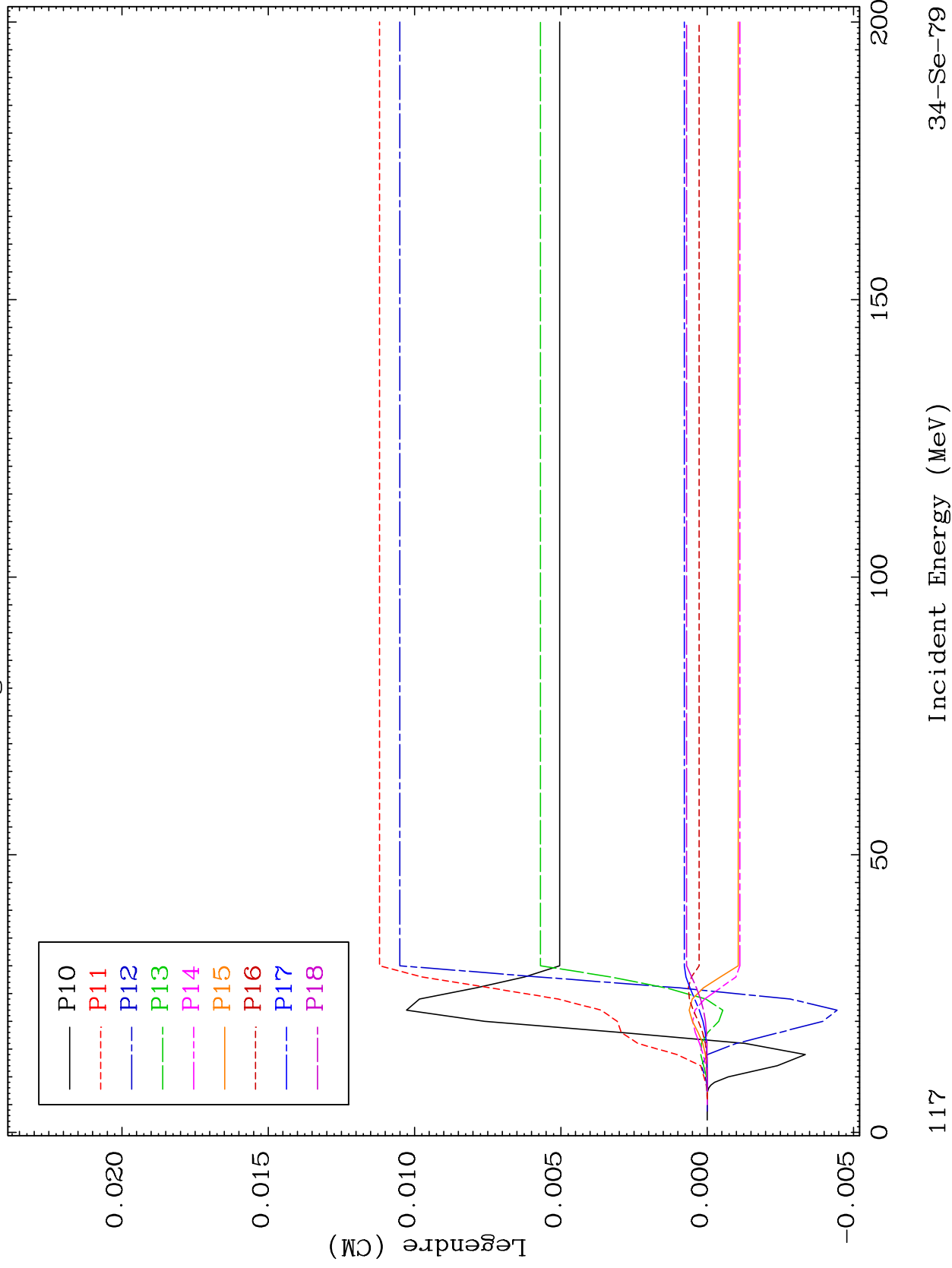




MAT 3440

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

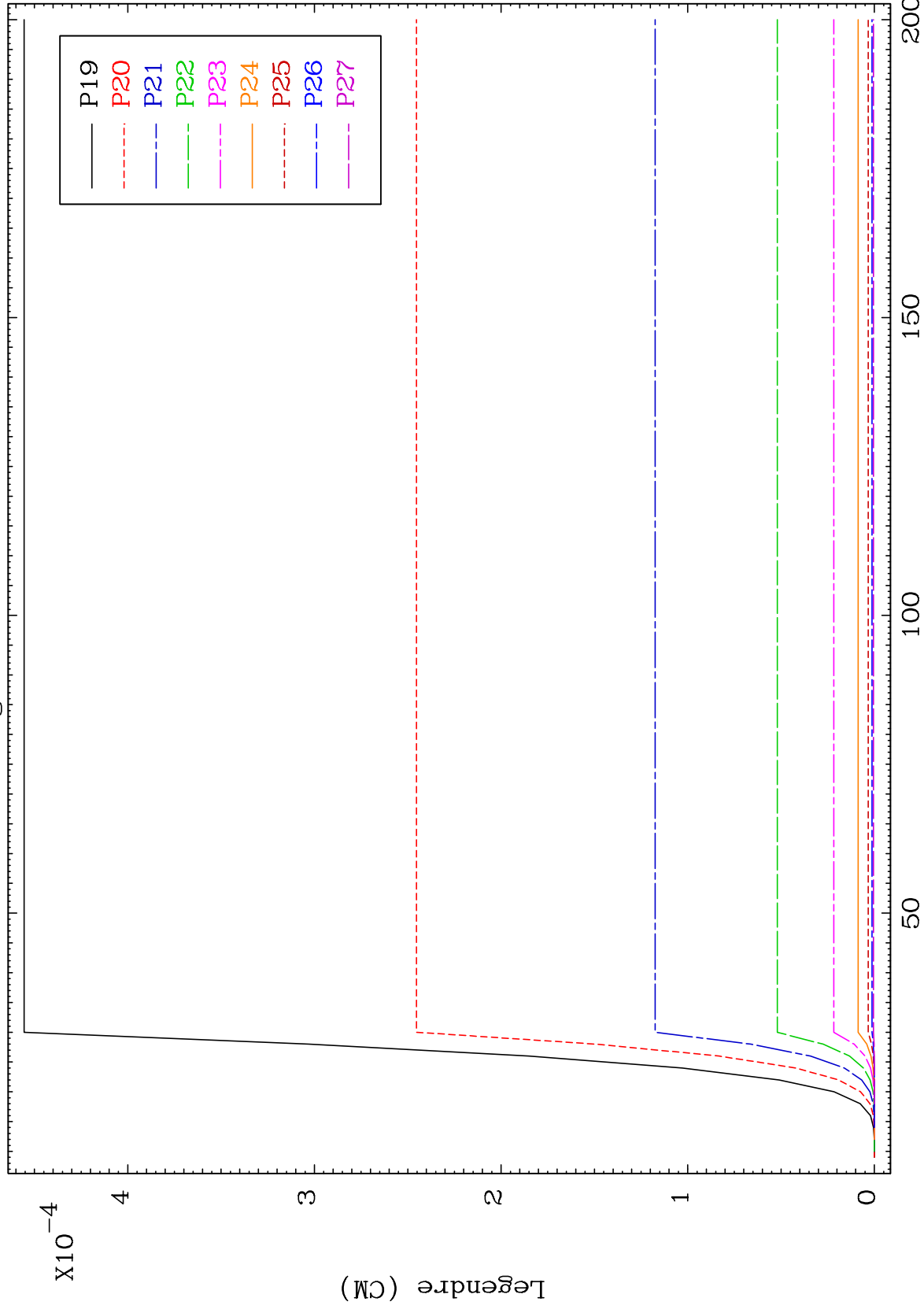
34-Se-79



MAT 3440

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

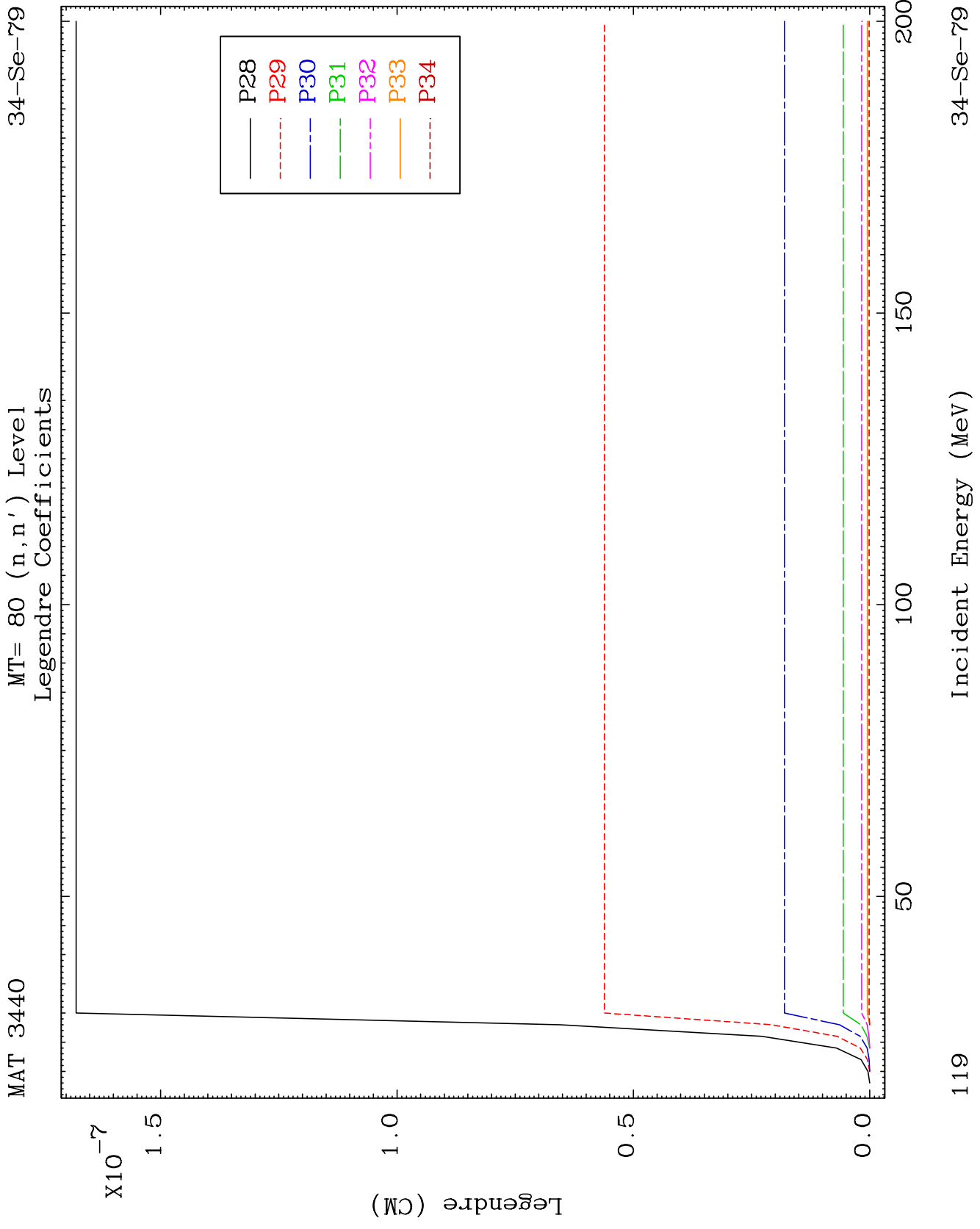
³⁴Se-79



118

Incident Energy (MeV)

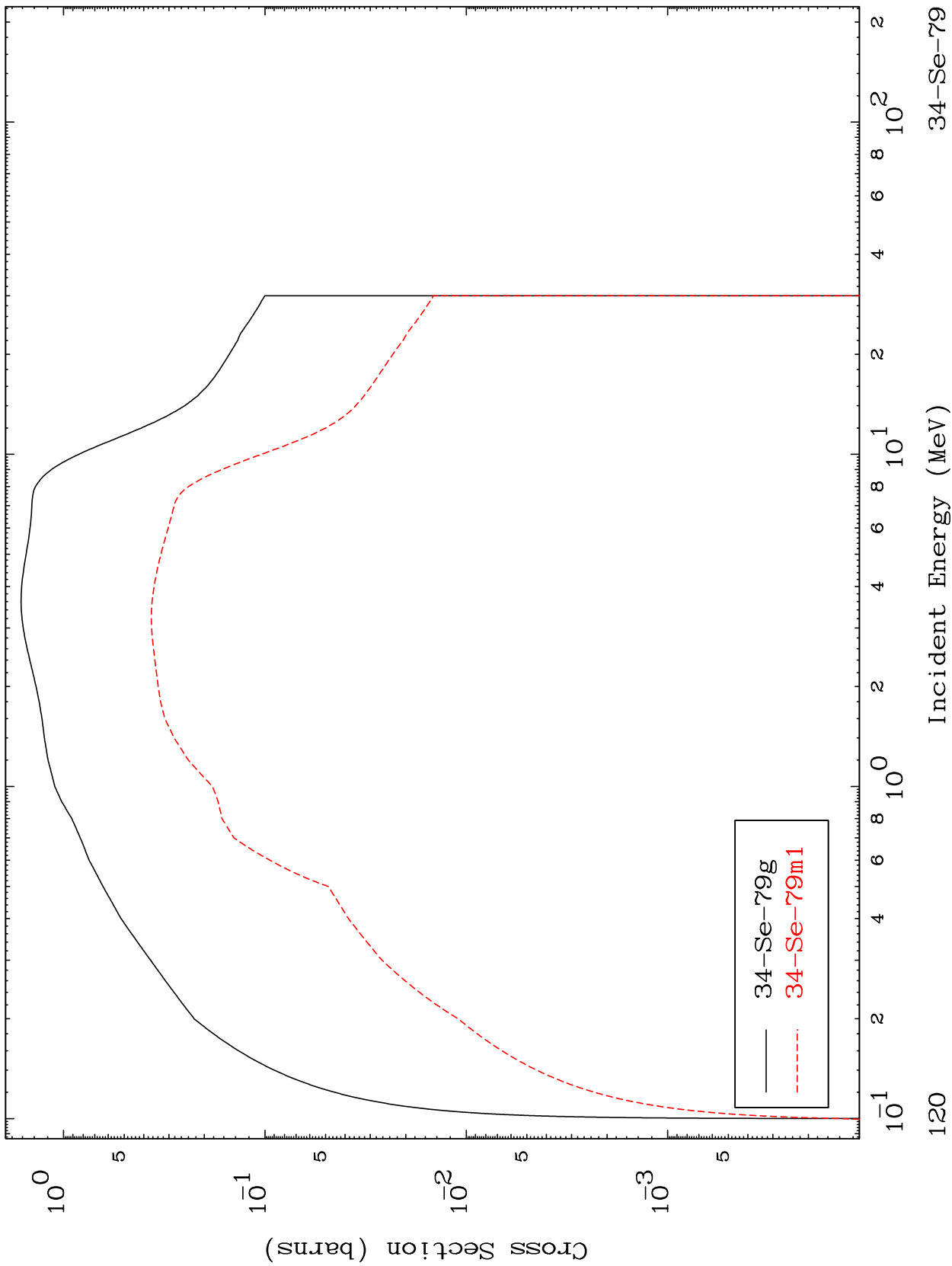
³⁴Se-79



MAT 3440

³⁴Se-79

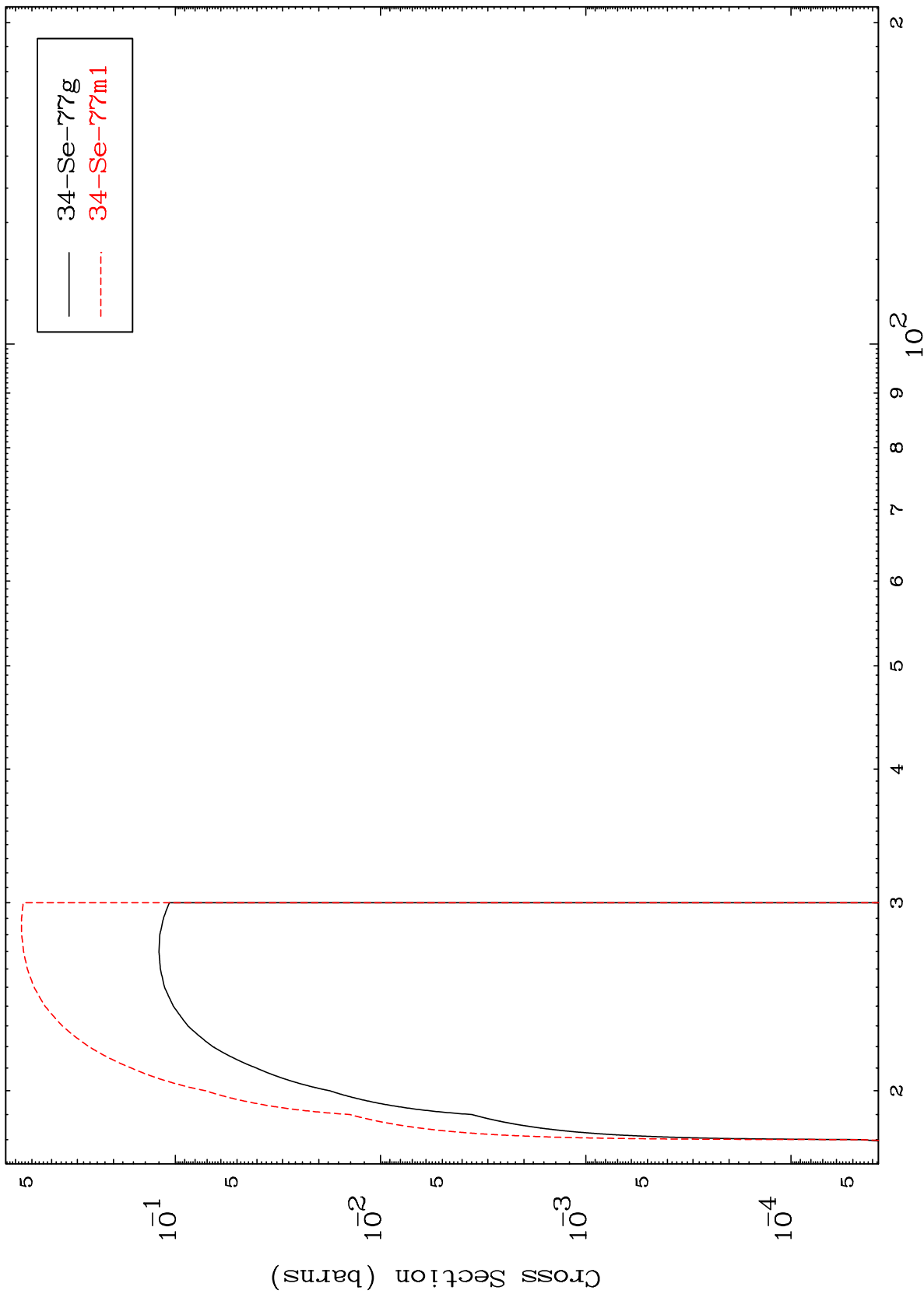
Inelastic
Radionuclide Production Cross Section



MAT 3440

³⁴Se-79

(n,3n)
Radionuclide Production Cross Section



121

³⁴Se-79

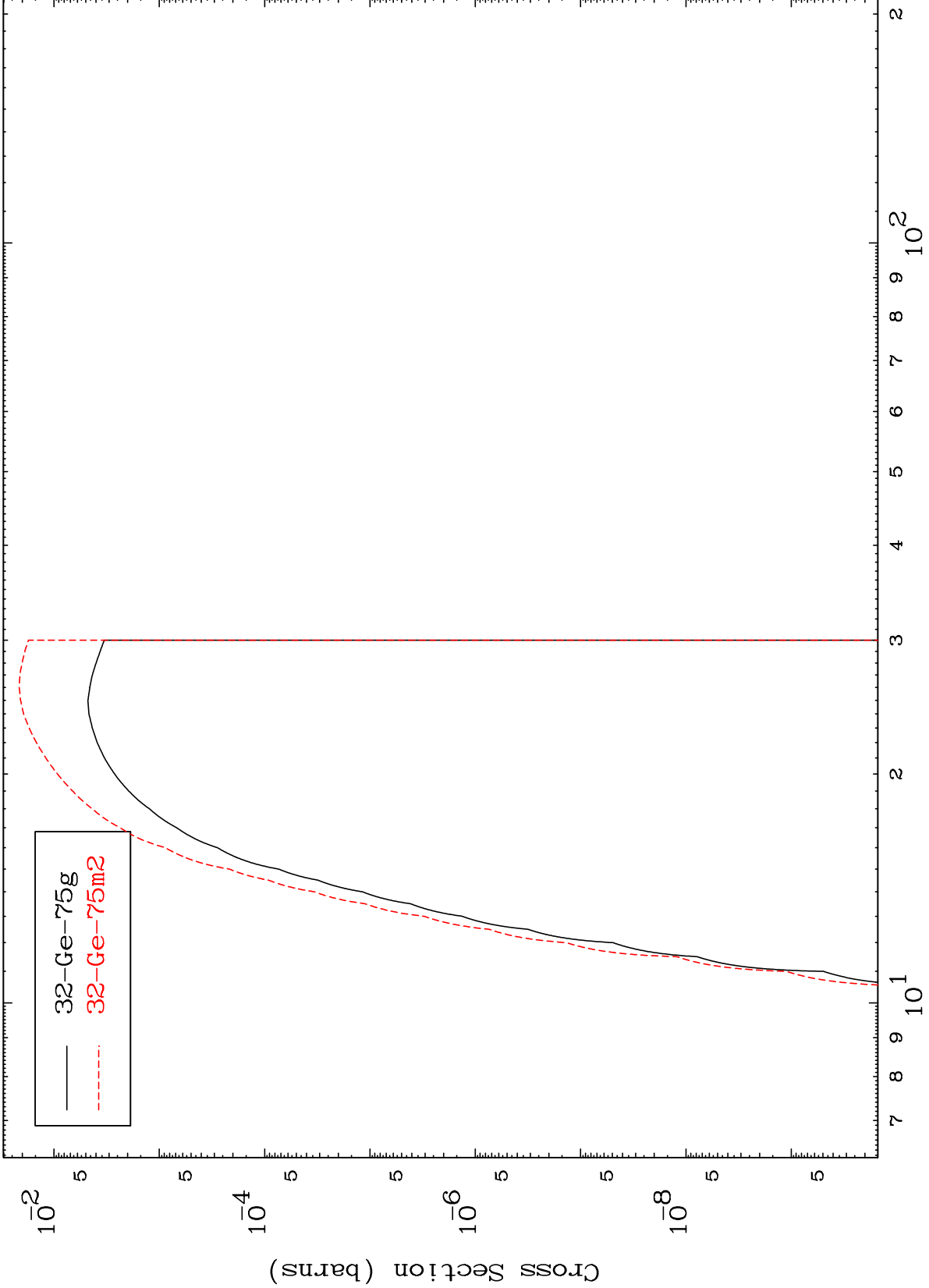
Incident Energy (MeV)

MAT 3440

$(n, n') \alpha$

$^{34}\text{Se-79}$

Radionuclide Production Cross Section



122

Incident Energy (MeV)

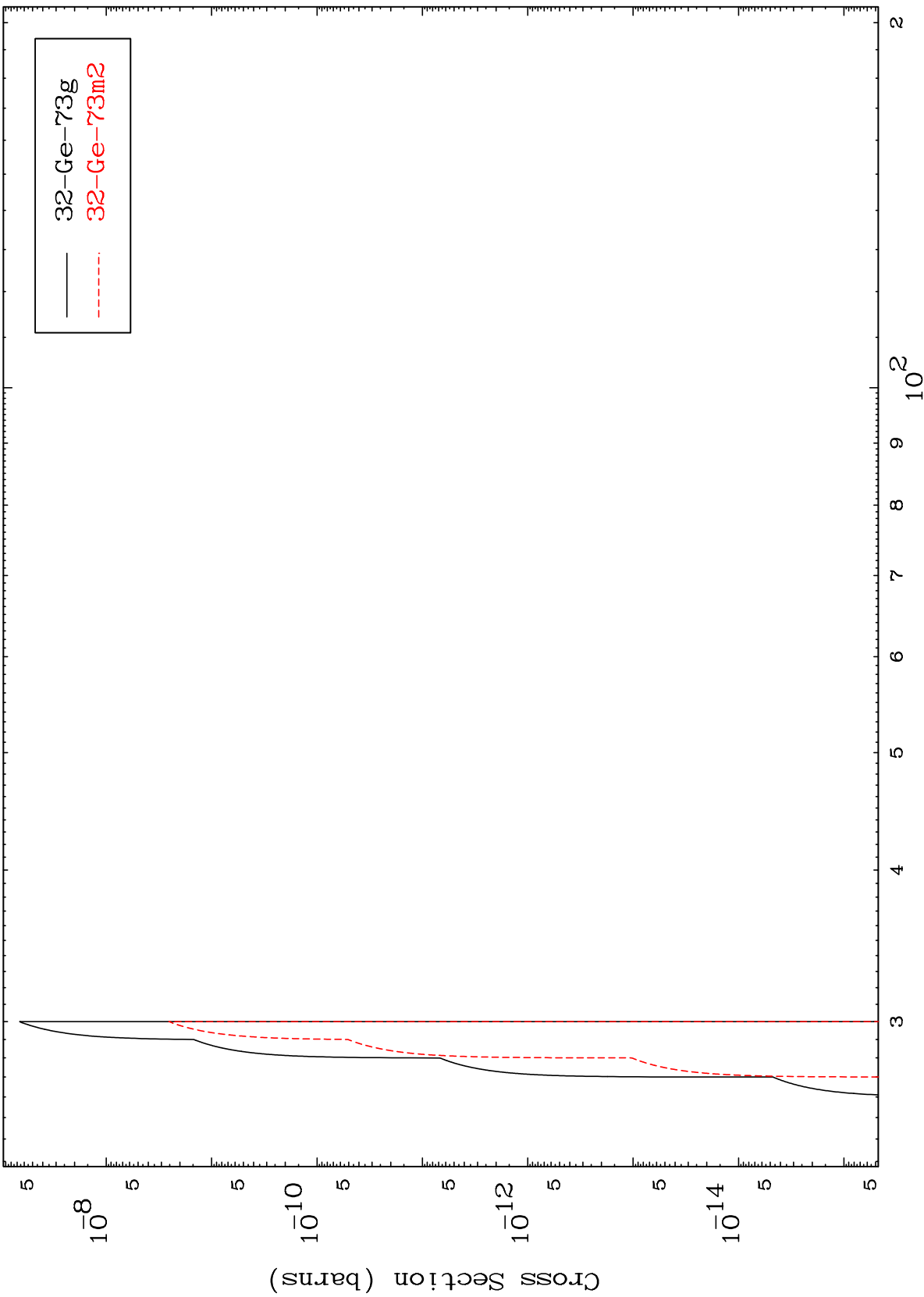
$^{34}\text{Se-79}$

MAT 3440

(n,3n) α

³⁴Se-79

Radionuclide Production Cross Section



32-Ge-73g
32-Ge-73m2

123

Incident Energy (MeV)

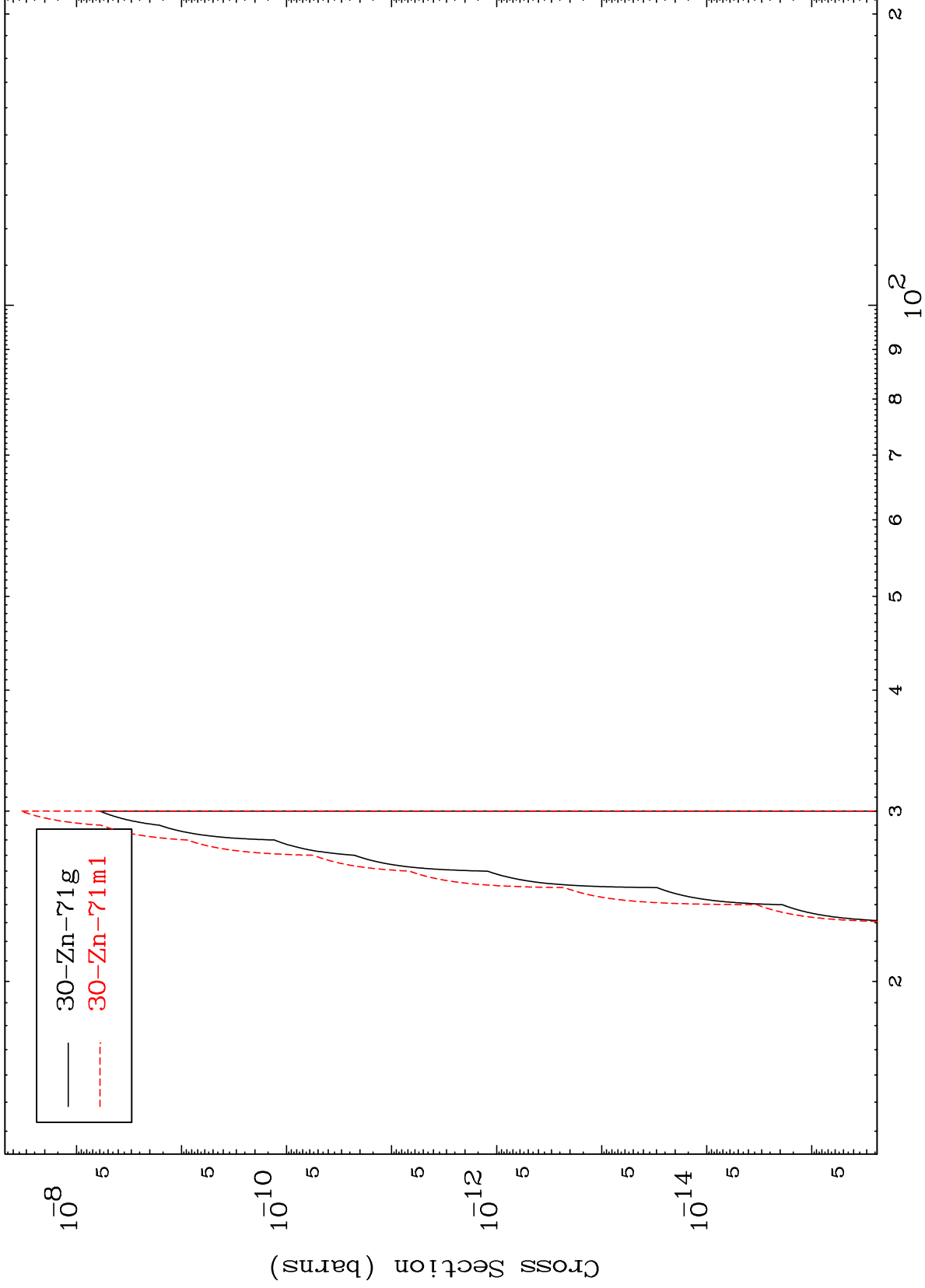
³⁴Se-79

MAT 3440

(n,n') 2 α

34-Se-79

Radionuclide Production Cross Section

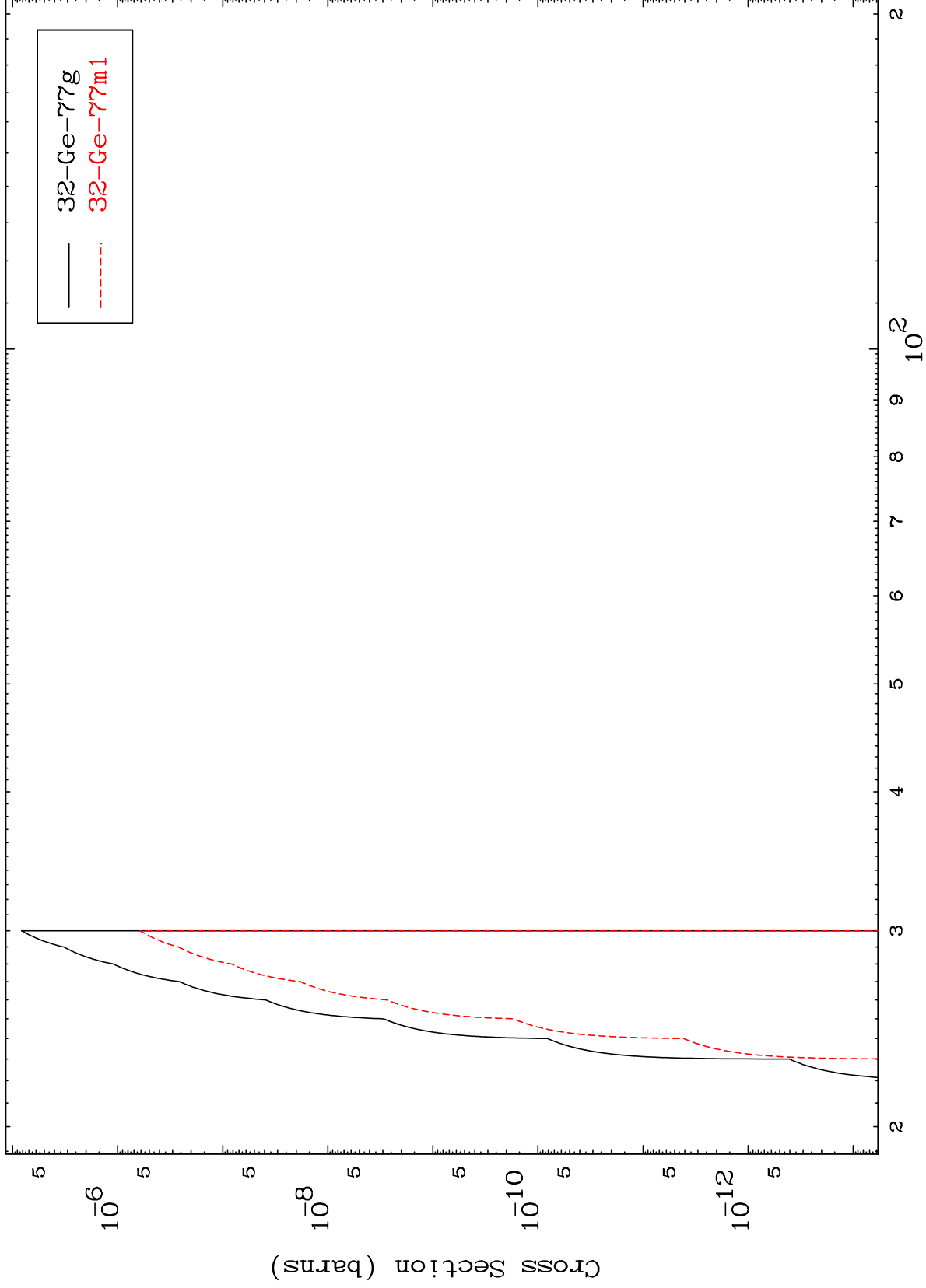


MAT 3440

(n,2n) p

34-^{Se-79}

Radionuclide Production Cross Section

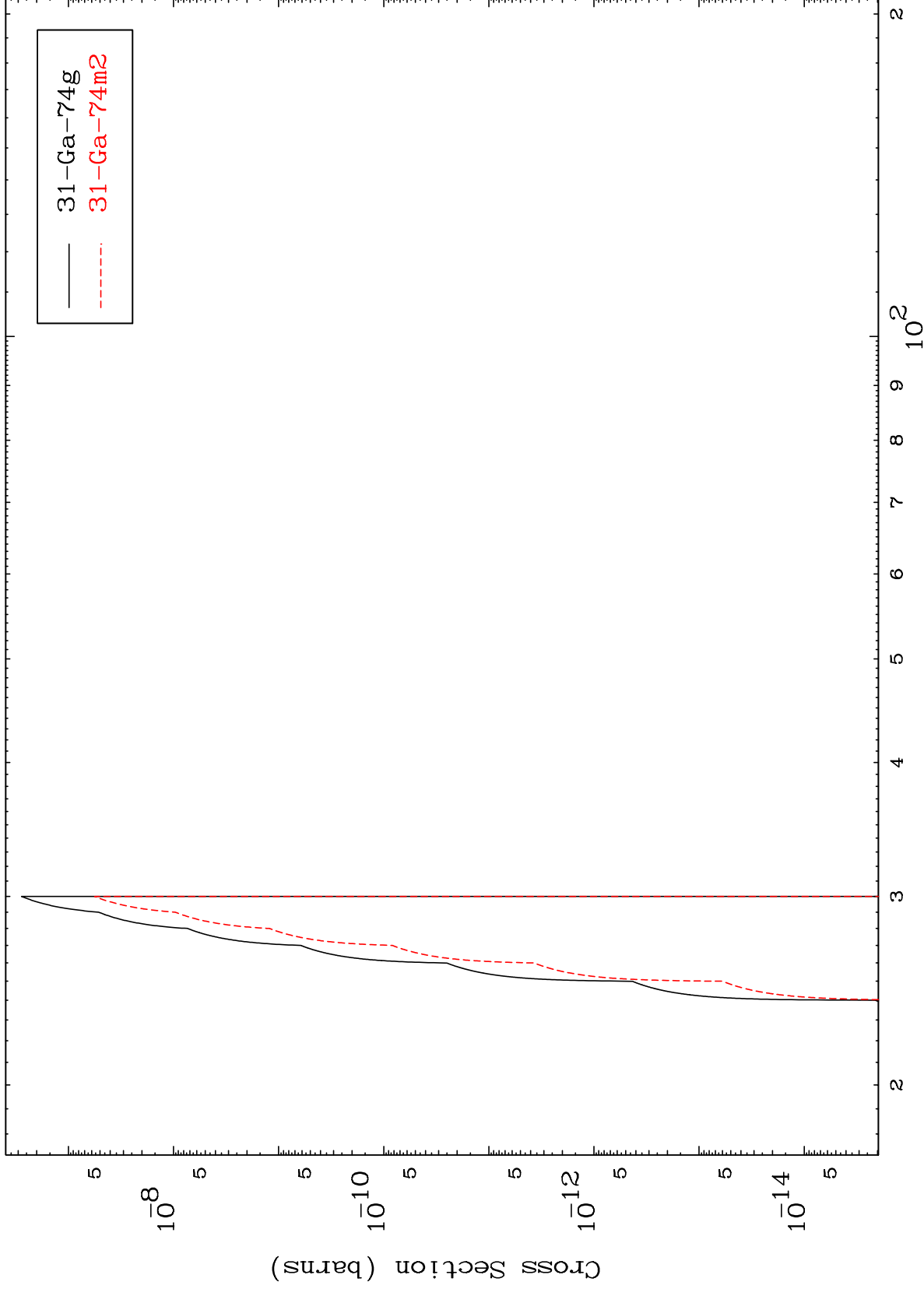


125

Incident Energy (MeV)

34-^{Se-79}

Radionuclide Production Cross Section

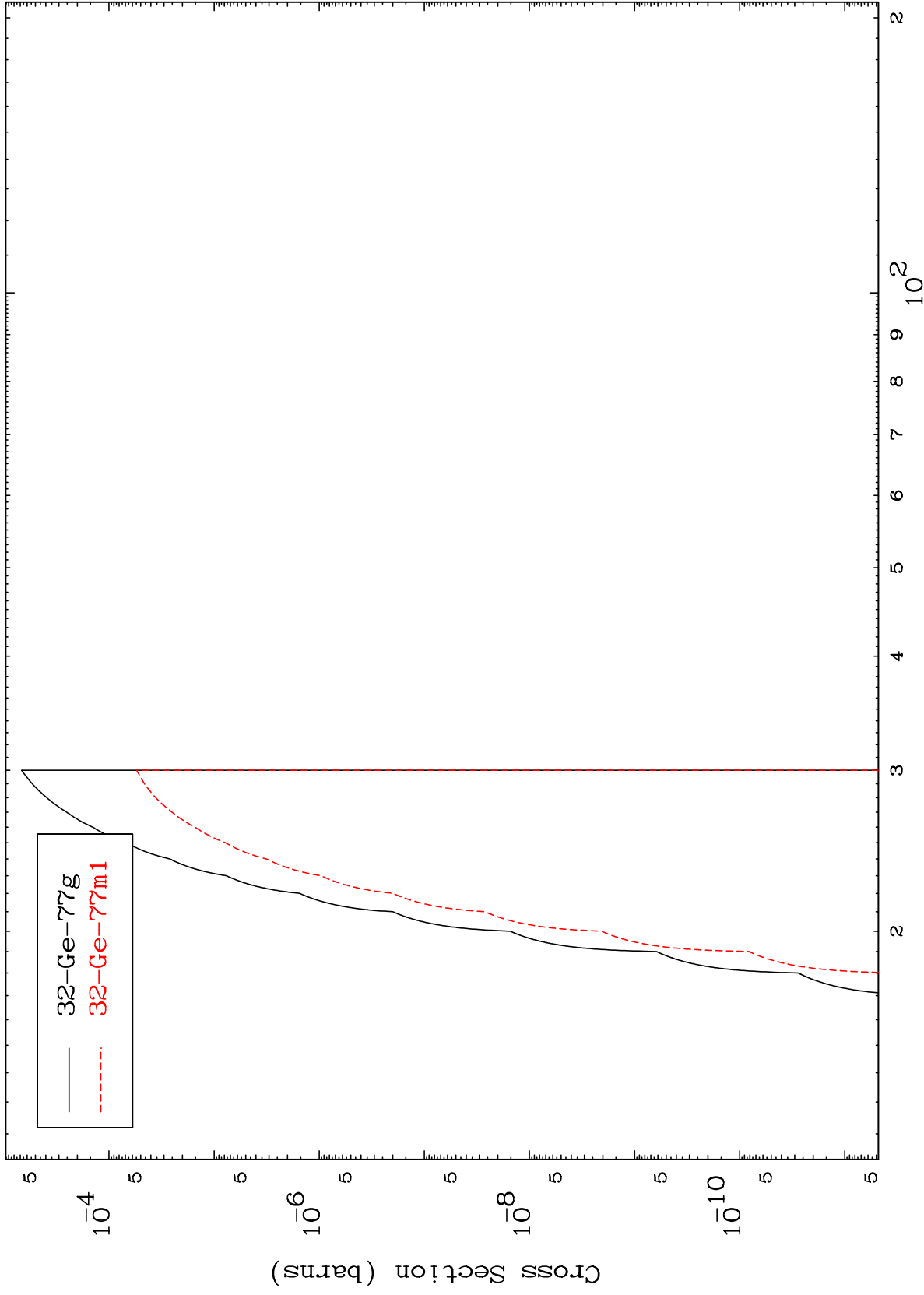


MAT 3440

(n,He-3)

34-Se-79

Radionuclide Production Cross Section

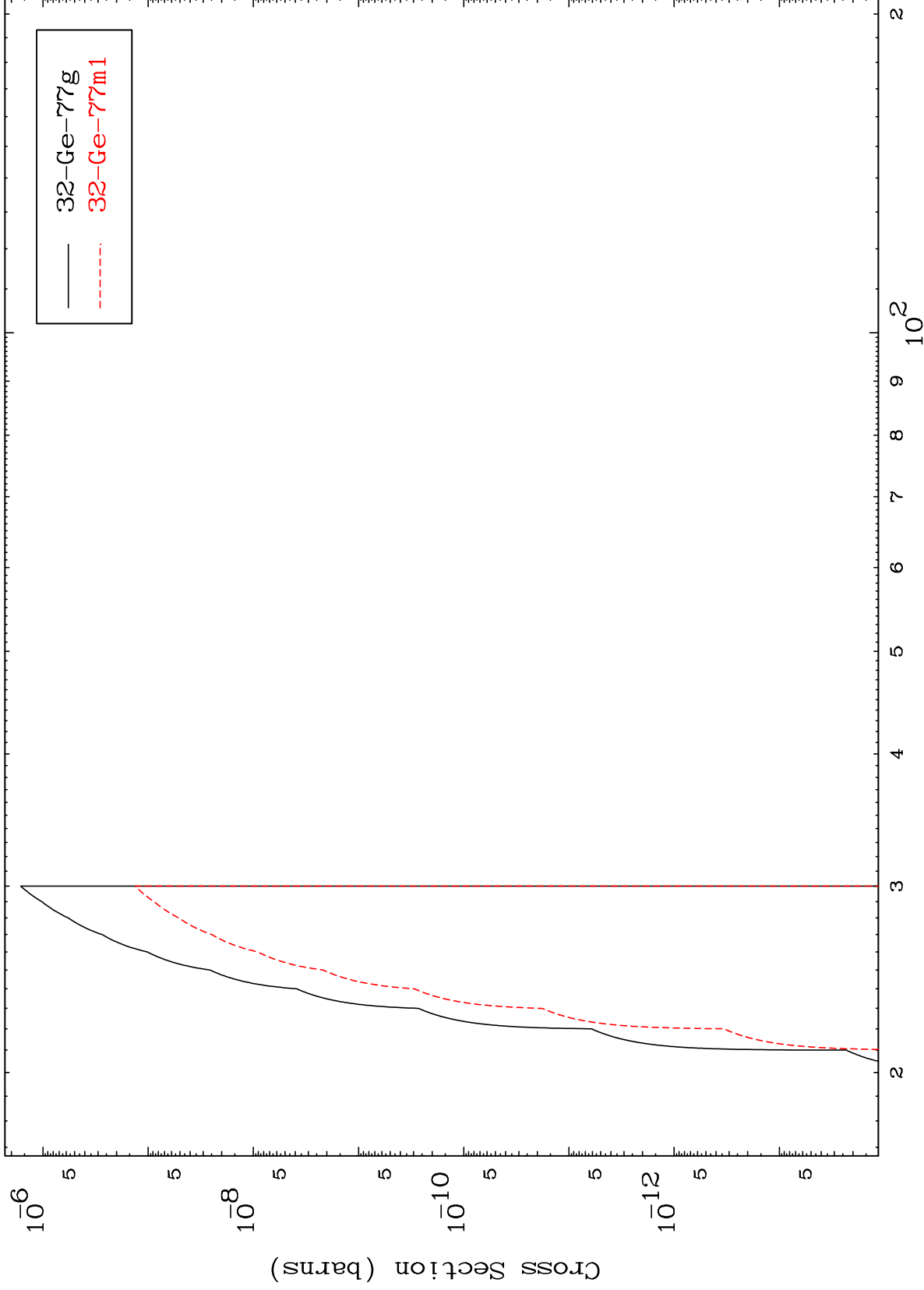


127

Incident Energy (MeV)

34-Se-79

Radionuclide Production Cross Section



Radionuclide Production Cross Section

