

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

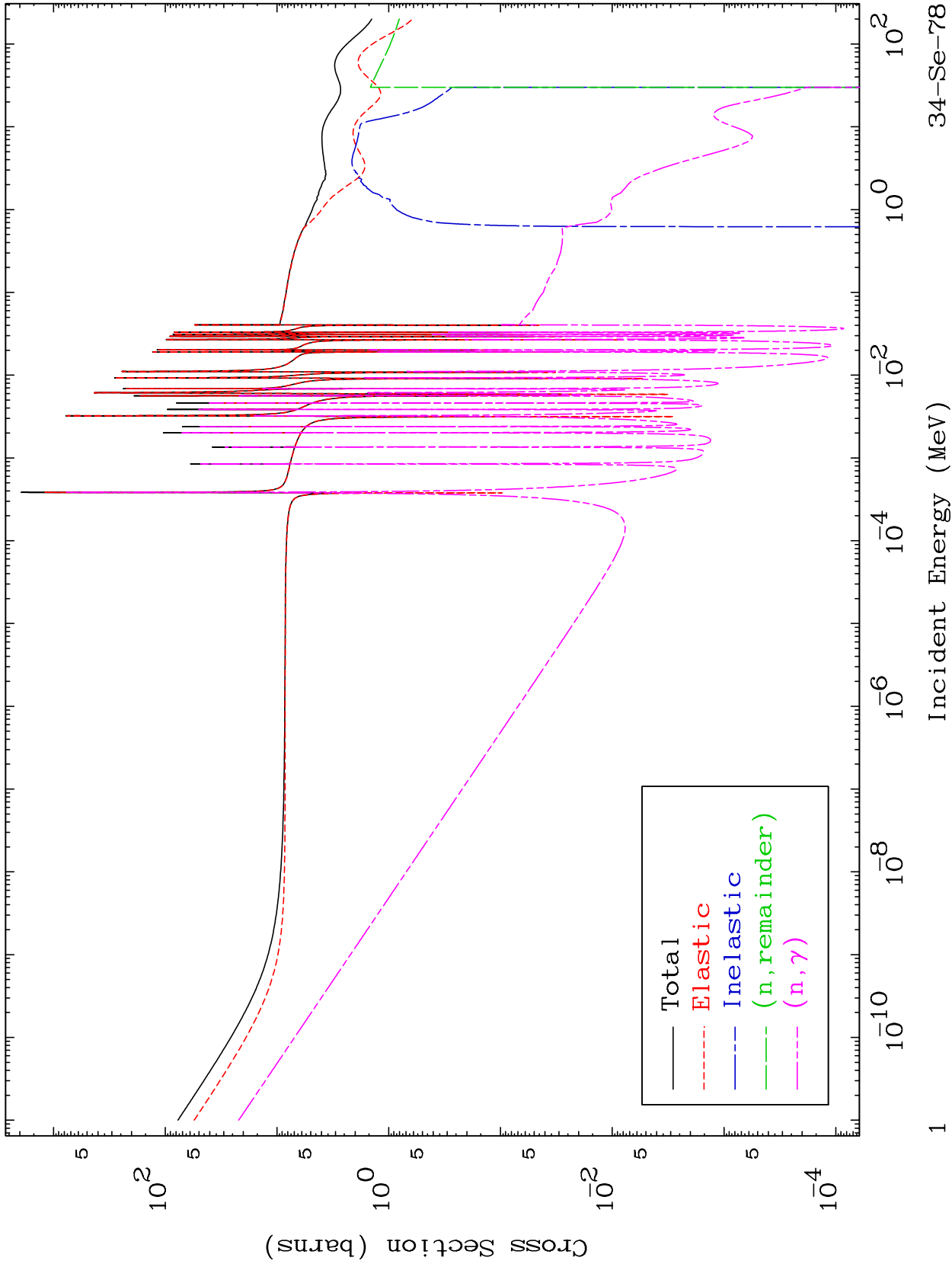
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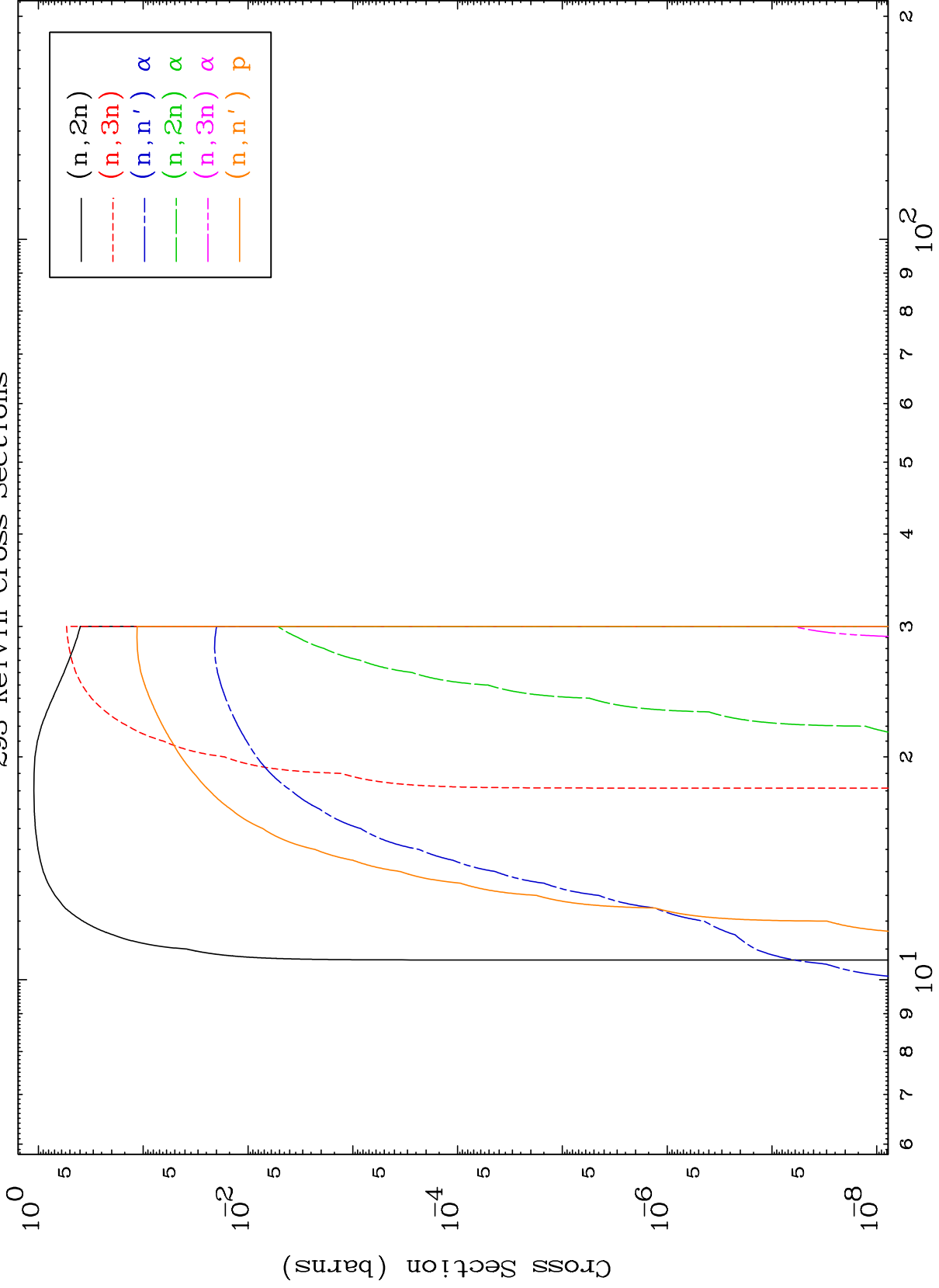
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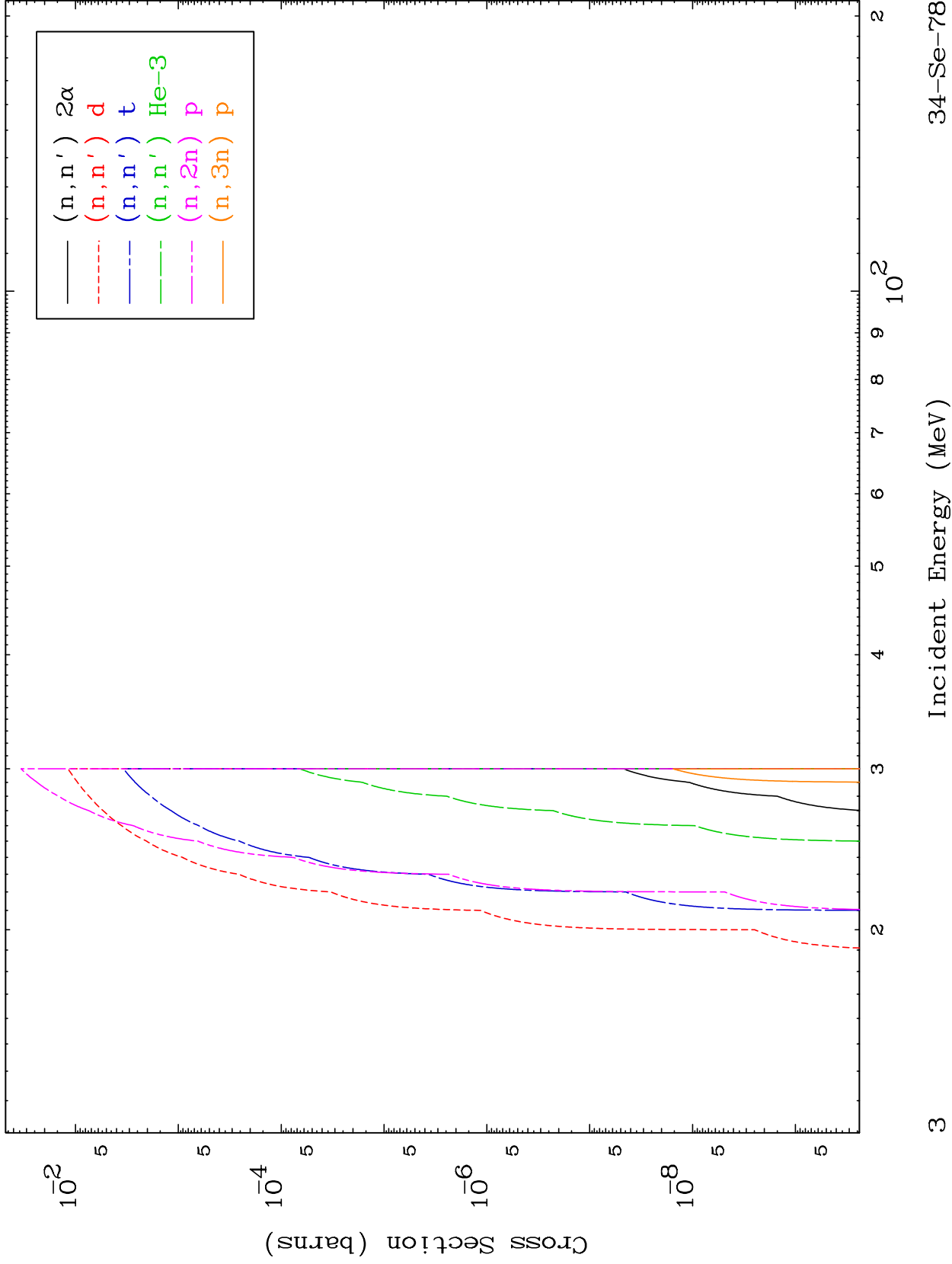
MAT 3437

Major
293 Kelvin Cross Sections

34-Se-78



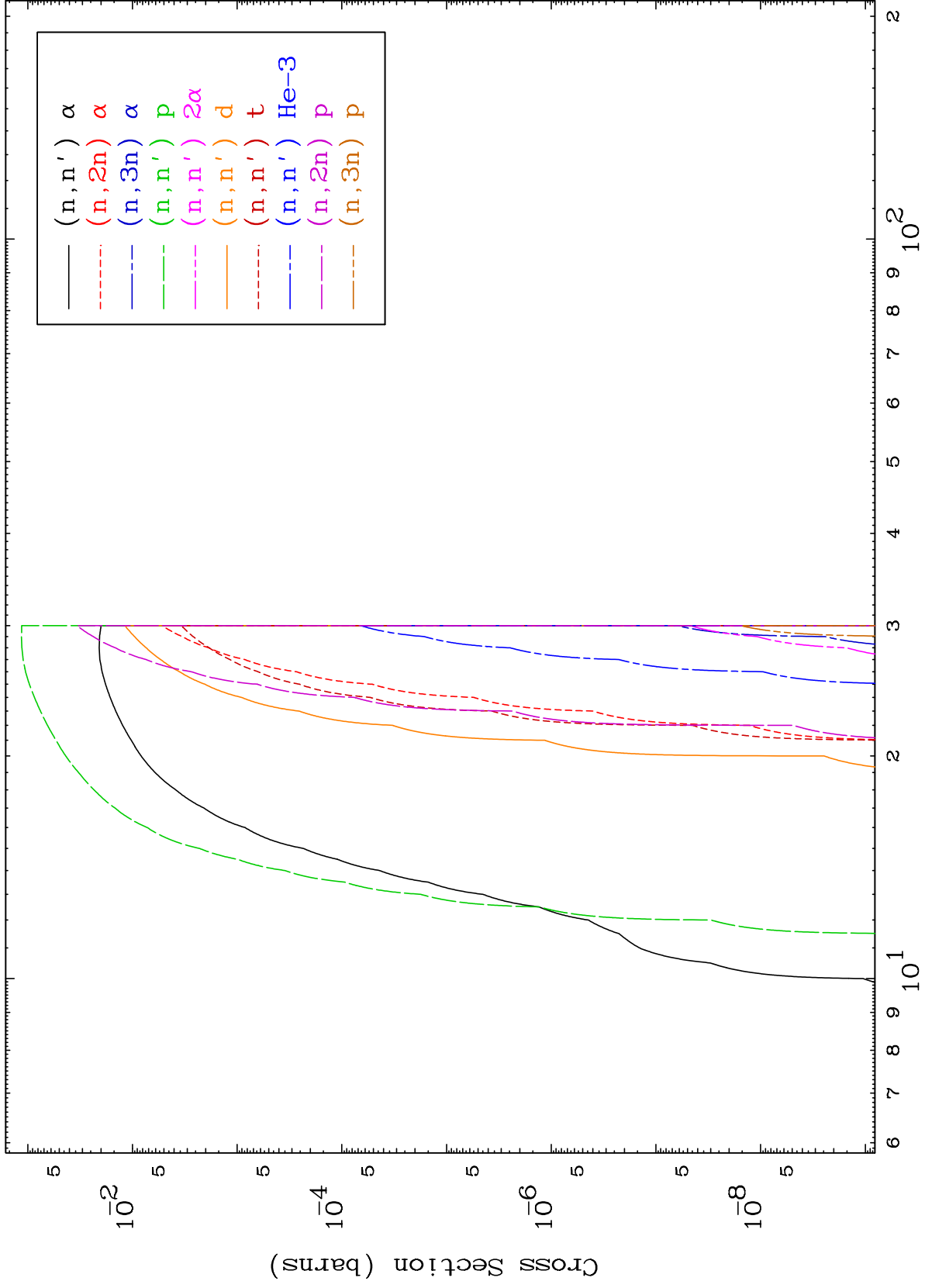




MAT 3437

Charged Particle
293 Kelvin Cross Sections

34-Se-78



4

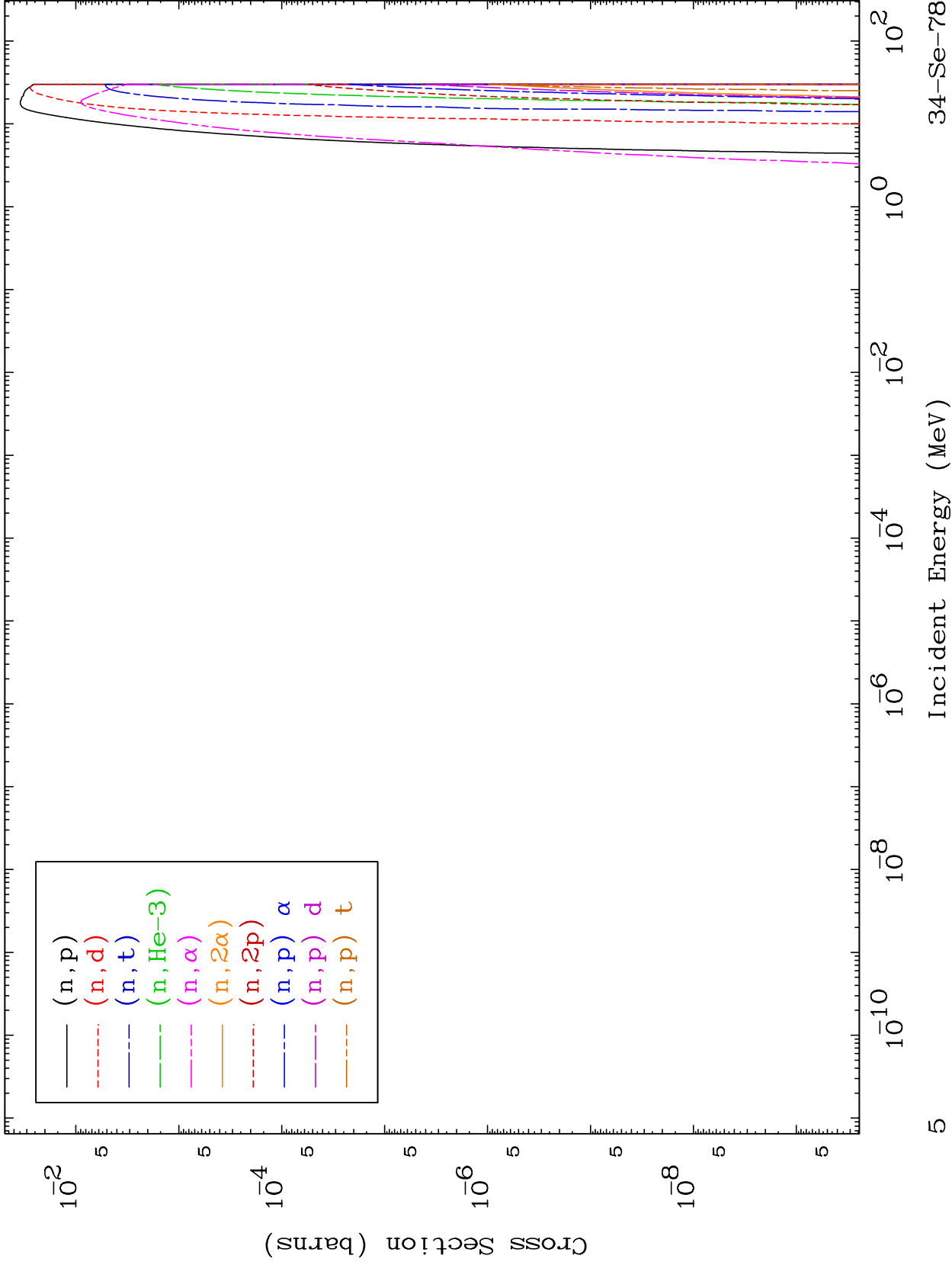
Incident Energy (MeV)

34-Se-78

MAT 3437

Charged Particle
293 Kelvin Cross Sections

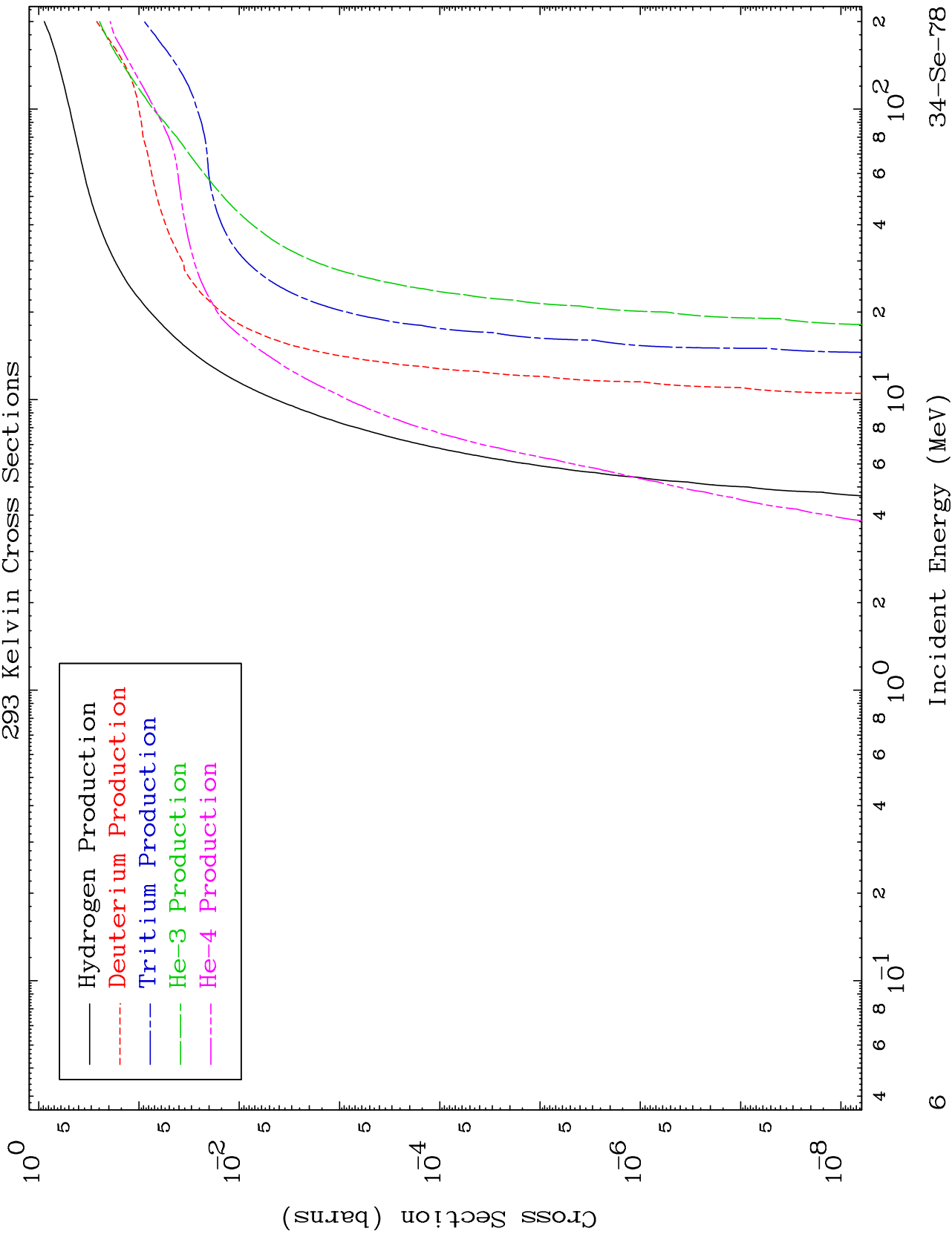
34-Se-78



MAT 3437

Particle Production
293 Kelvin Cross Sections

³⁴Se-78



6

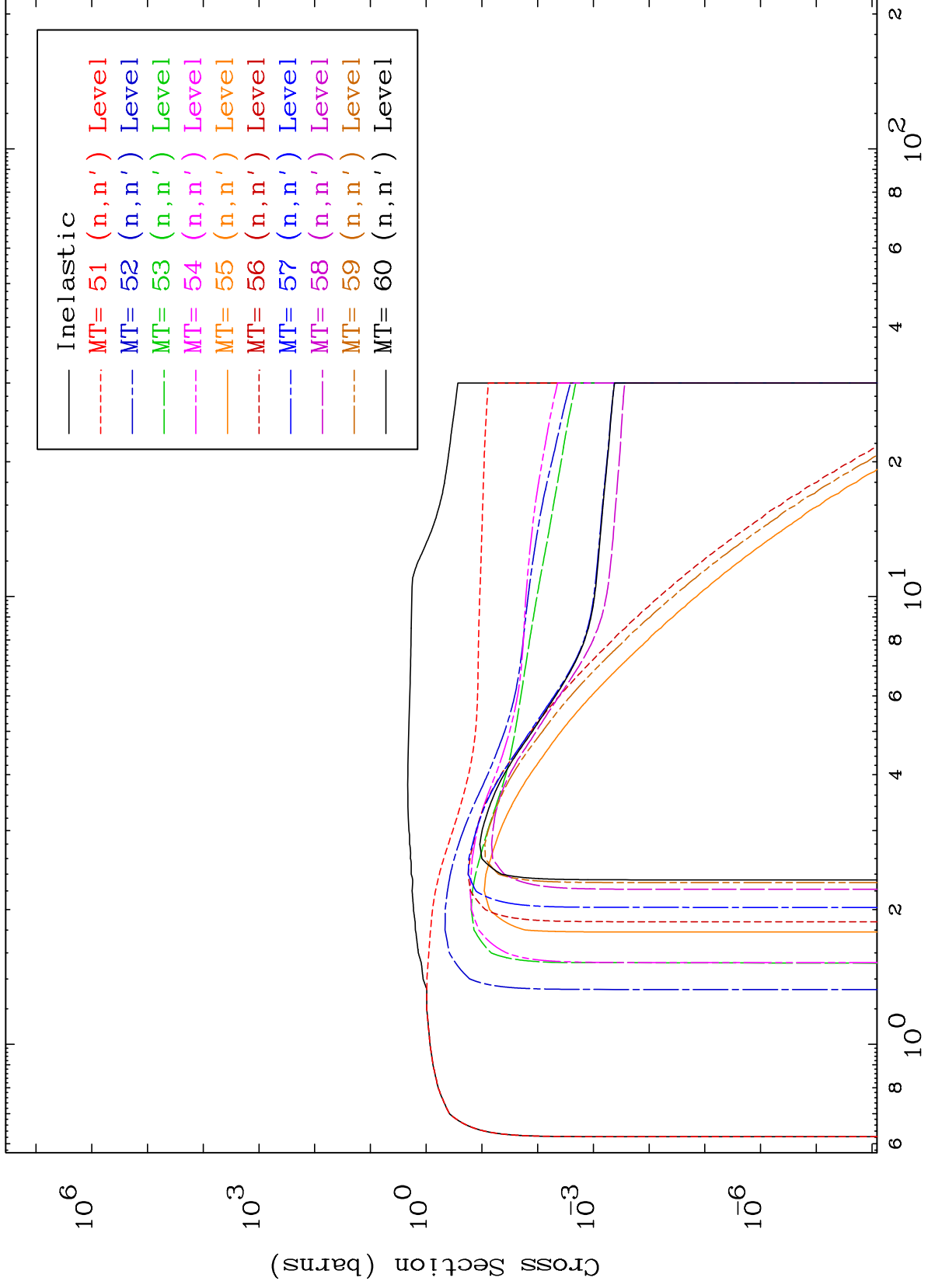
³⁴Se-78

MAT 3437

(n,n') Level

34-Se-78

293 Kelvin Cross Sections



7

Incident Energy (MeV)

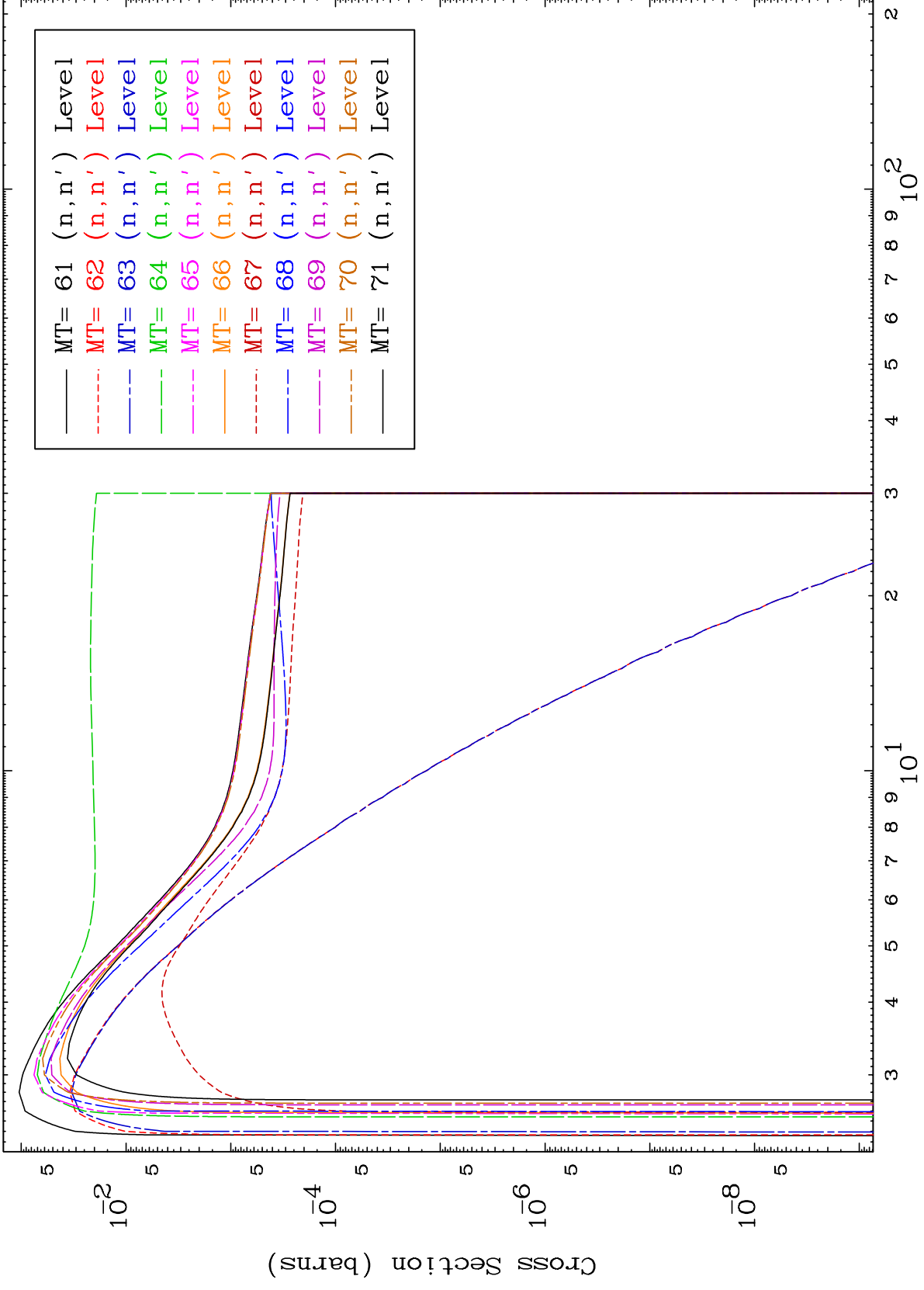
34-Se-78

MAT 3437

(n,n') Level

34-Se-78

293 Kelvin Cross Sections



8

Incident Energy (MeV)

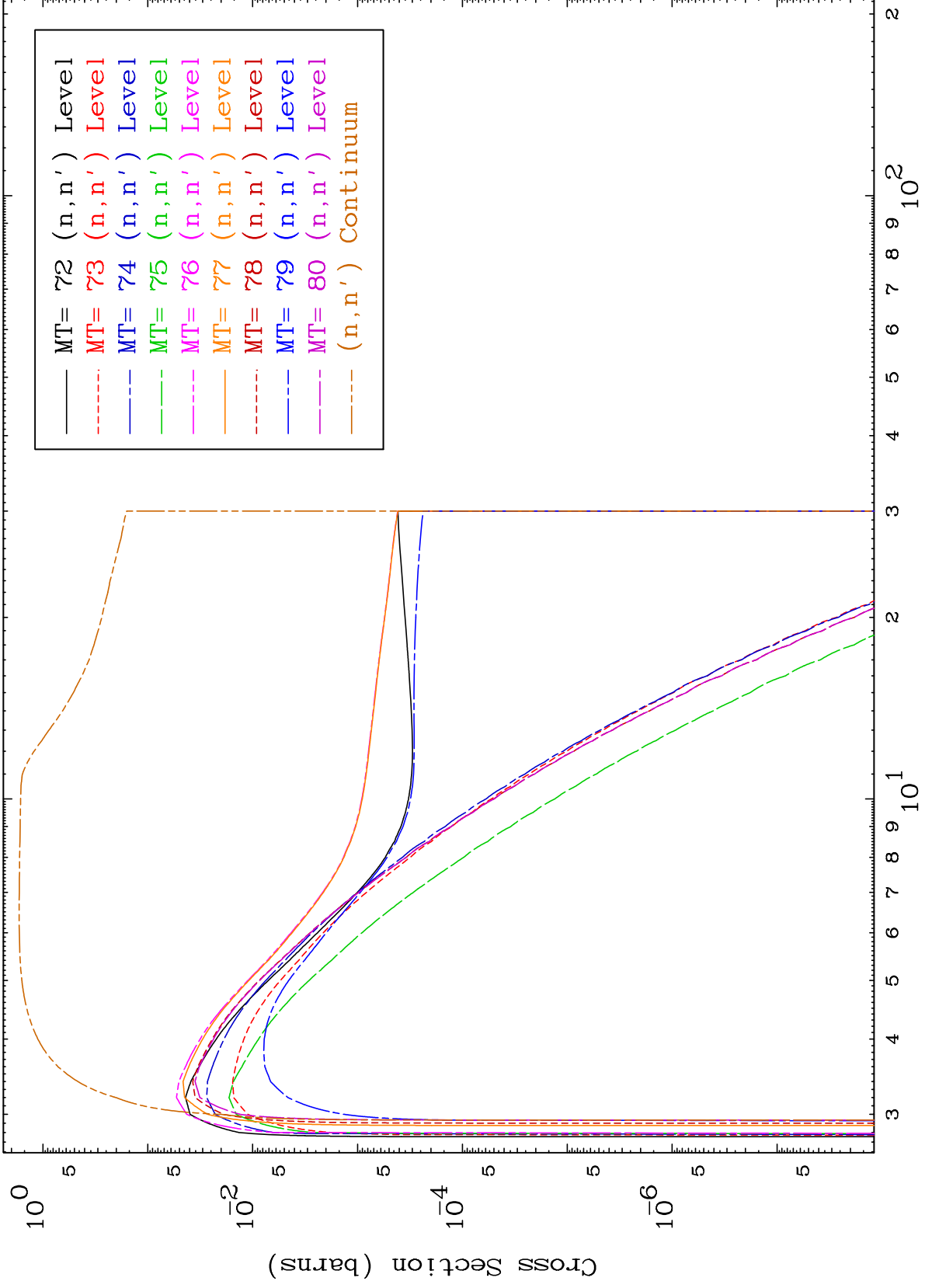
34-Se-78

MAT 3437

(n,n') Level

34-Se-78

293 Kelvin Cross Sections



9

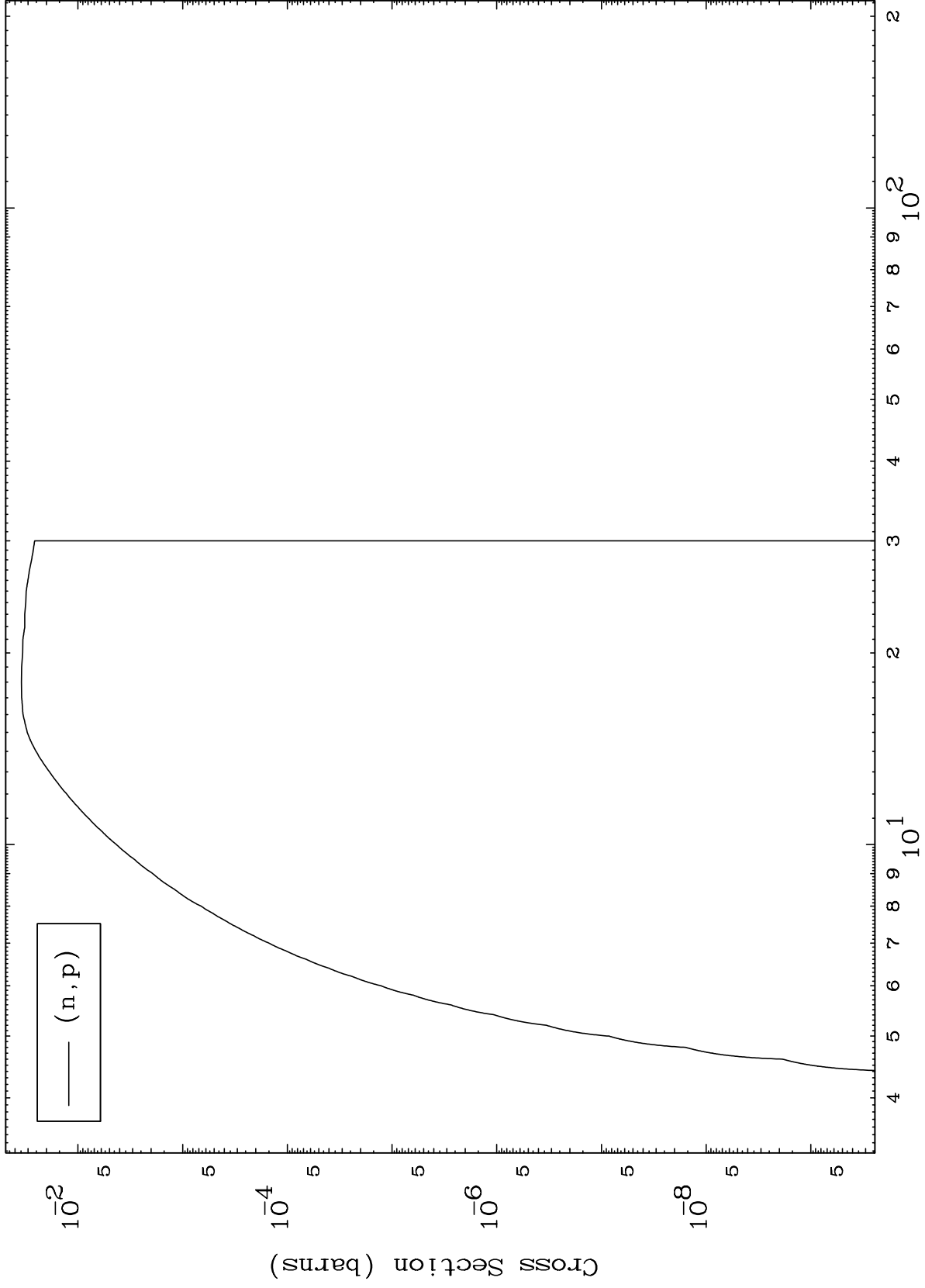
Incident Energy (MeV)

34-Se-78

MAT 3437

(n,p) Levels
293 Kelvin Cross Sections

³⁴Se-78



10

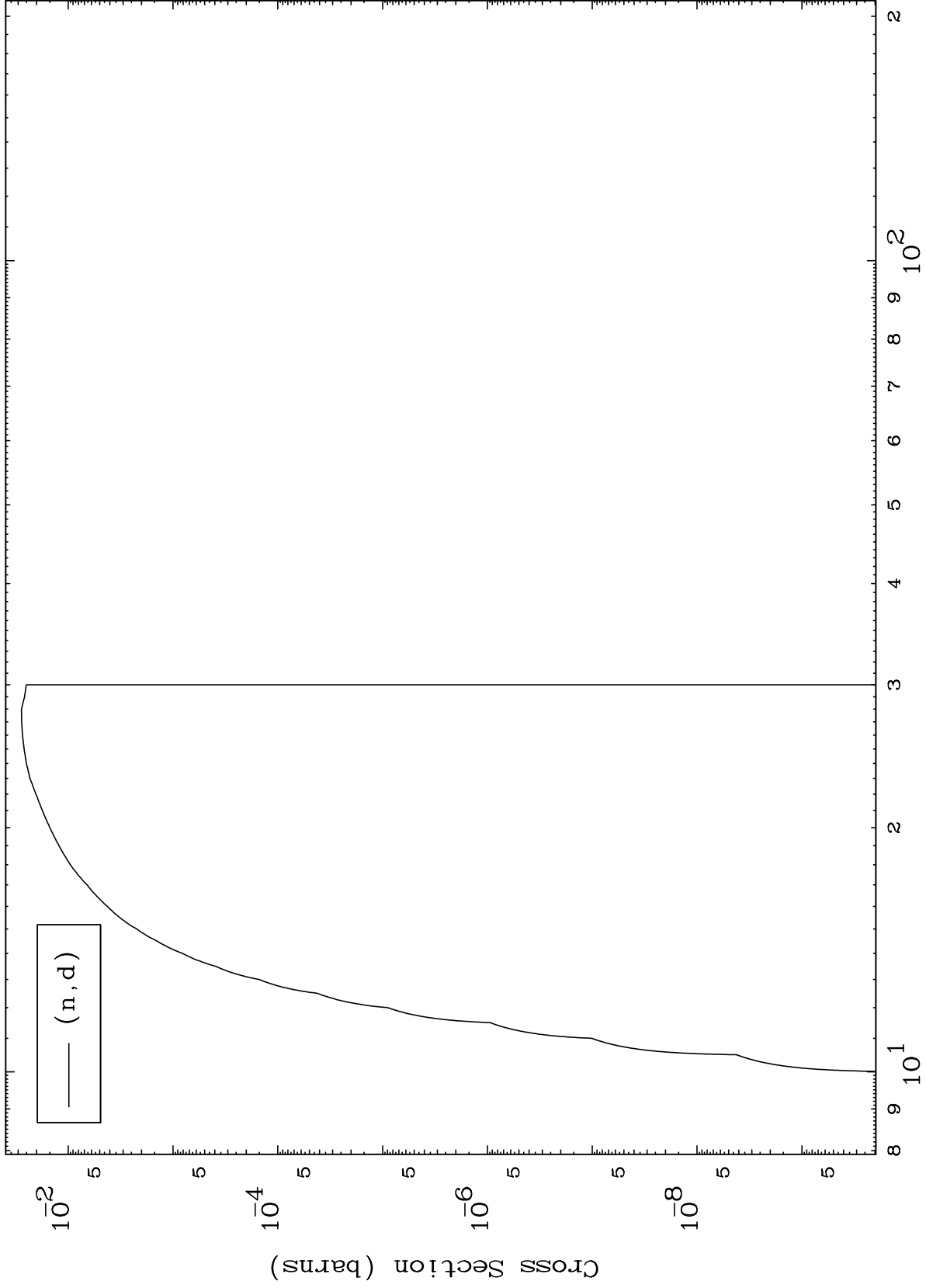
Incident Energy (MeV)

³⁴Se-78

MAT 3437

(n,d) Levels
293 Kelvin Cross Sections

³⁴Se-78



11

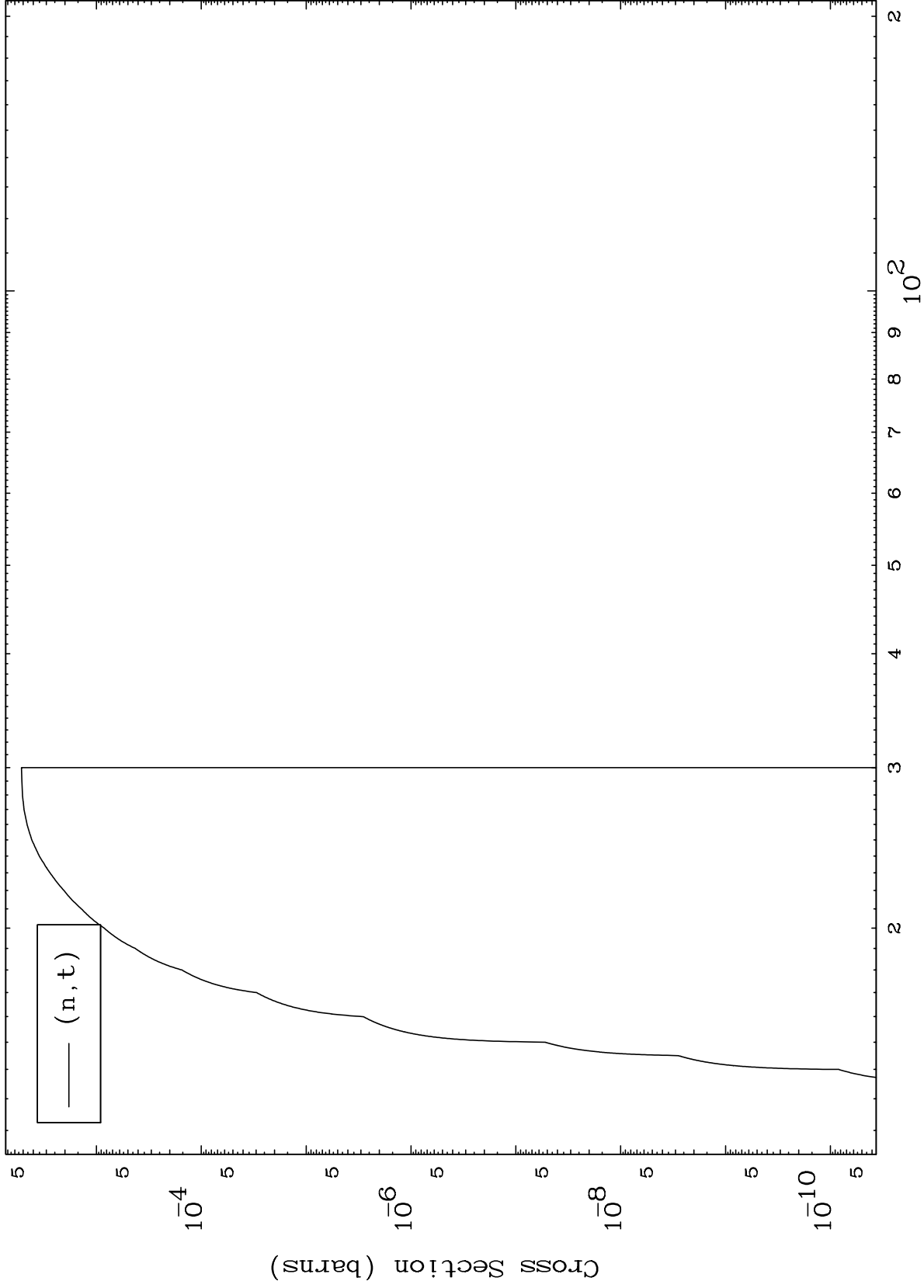
Incident Energy (MeV)

³⁴Se-78

MAT 3437

(n,t) Levels
293 Kelvin Cross Sections

³⁴Se-78



12

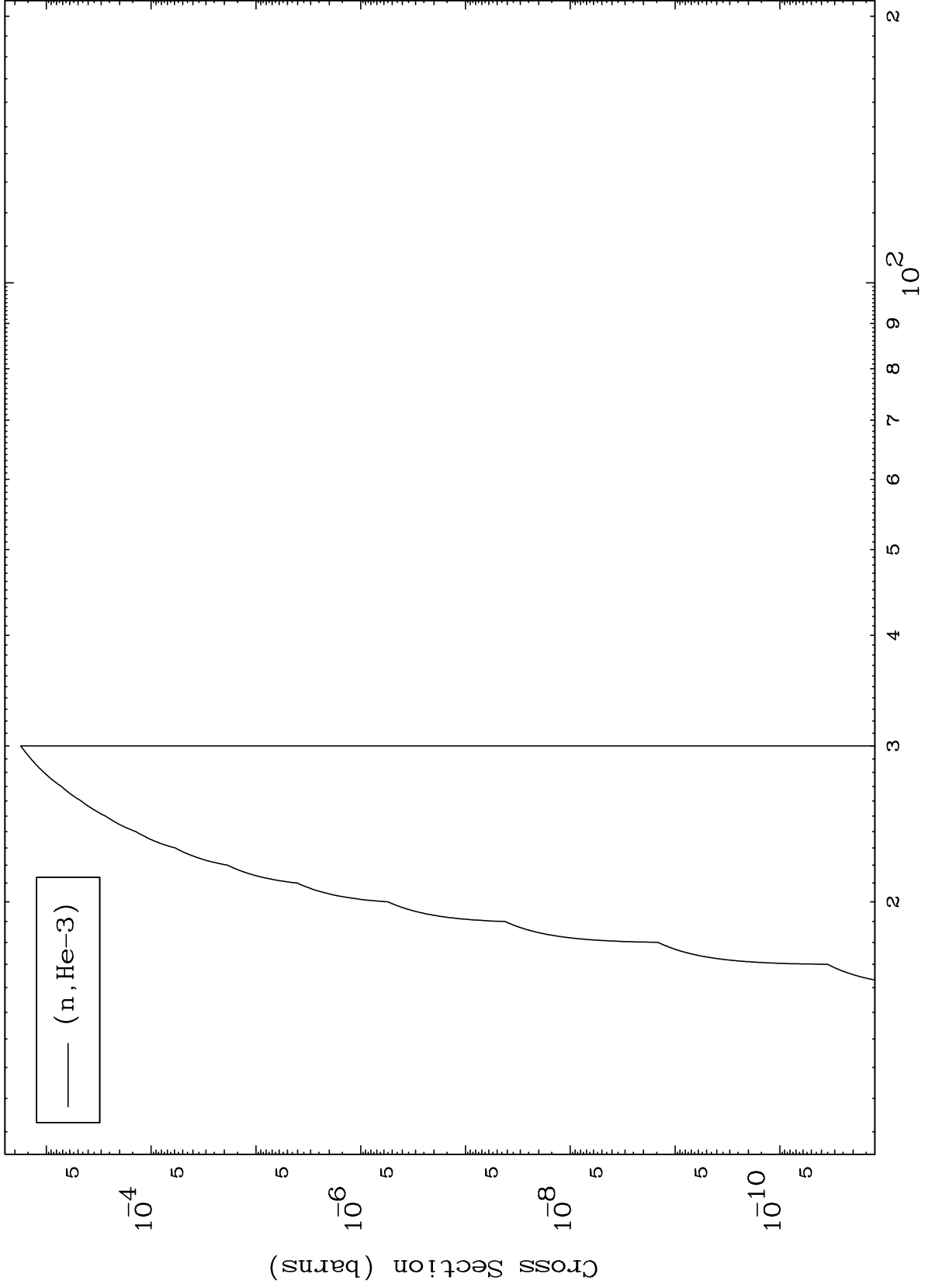
Incident Energy (MeV)

³⁴Se-78

MAT 3437

(n,He3) Levels
293 Kelvin Cross Sections

34-Se-78



13

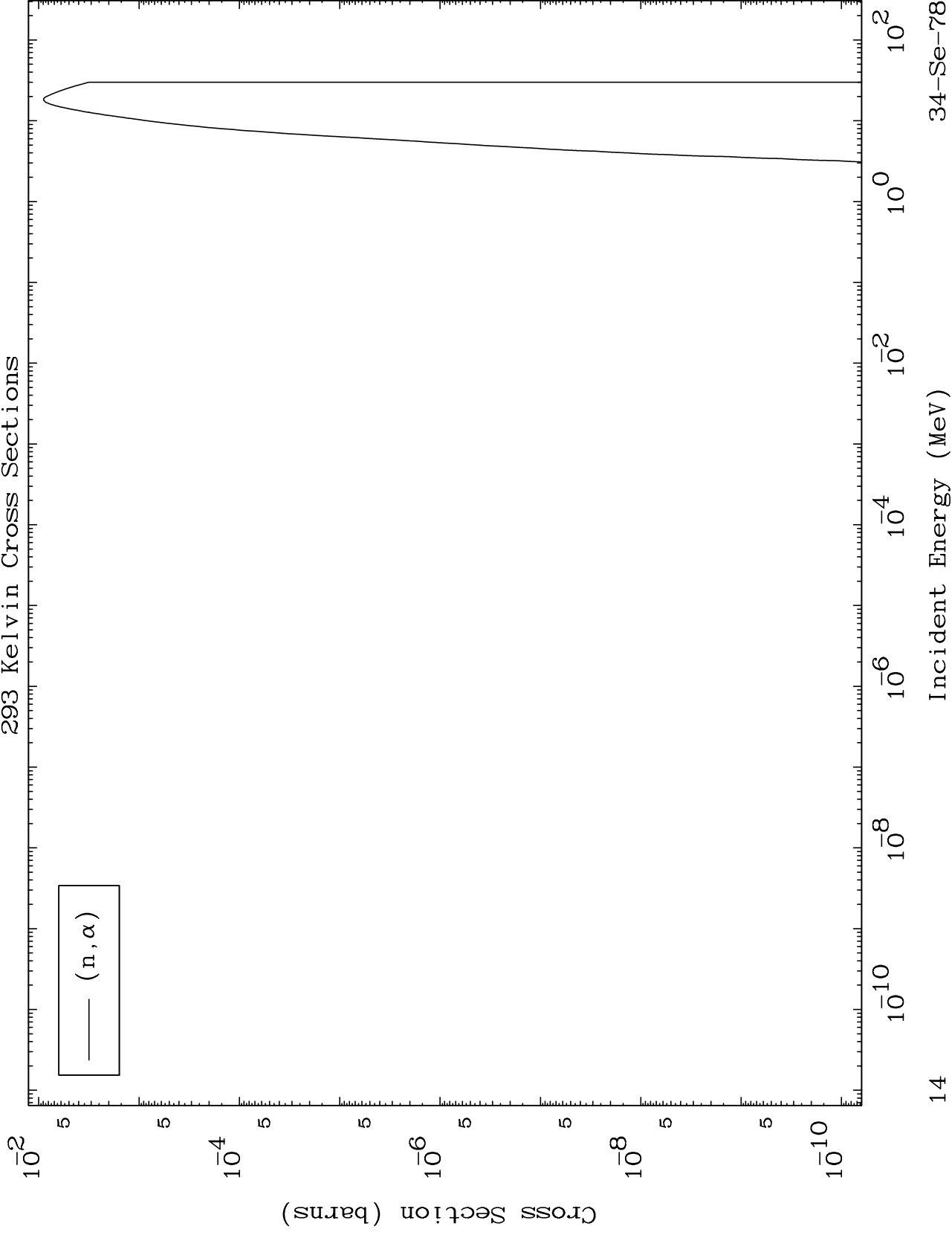
Incident Energy (MeV)

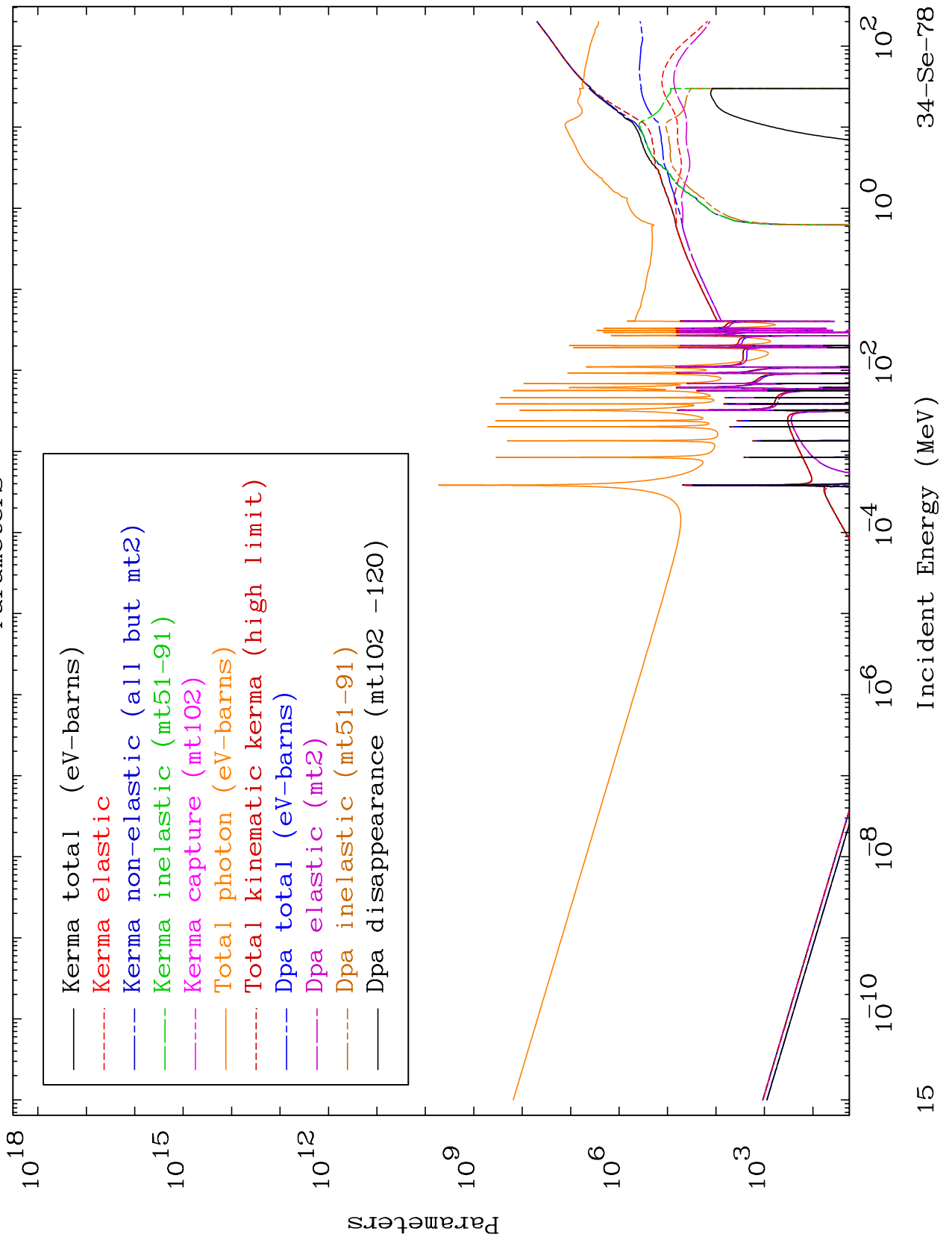
34-Se-78

MAT 3437

(n, α) Levels
293 Kelvin Cross Sections

³⁴Se-78

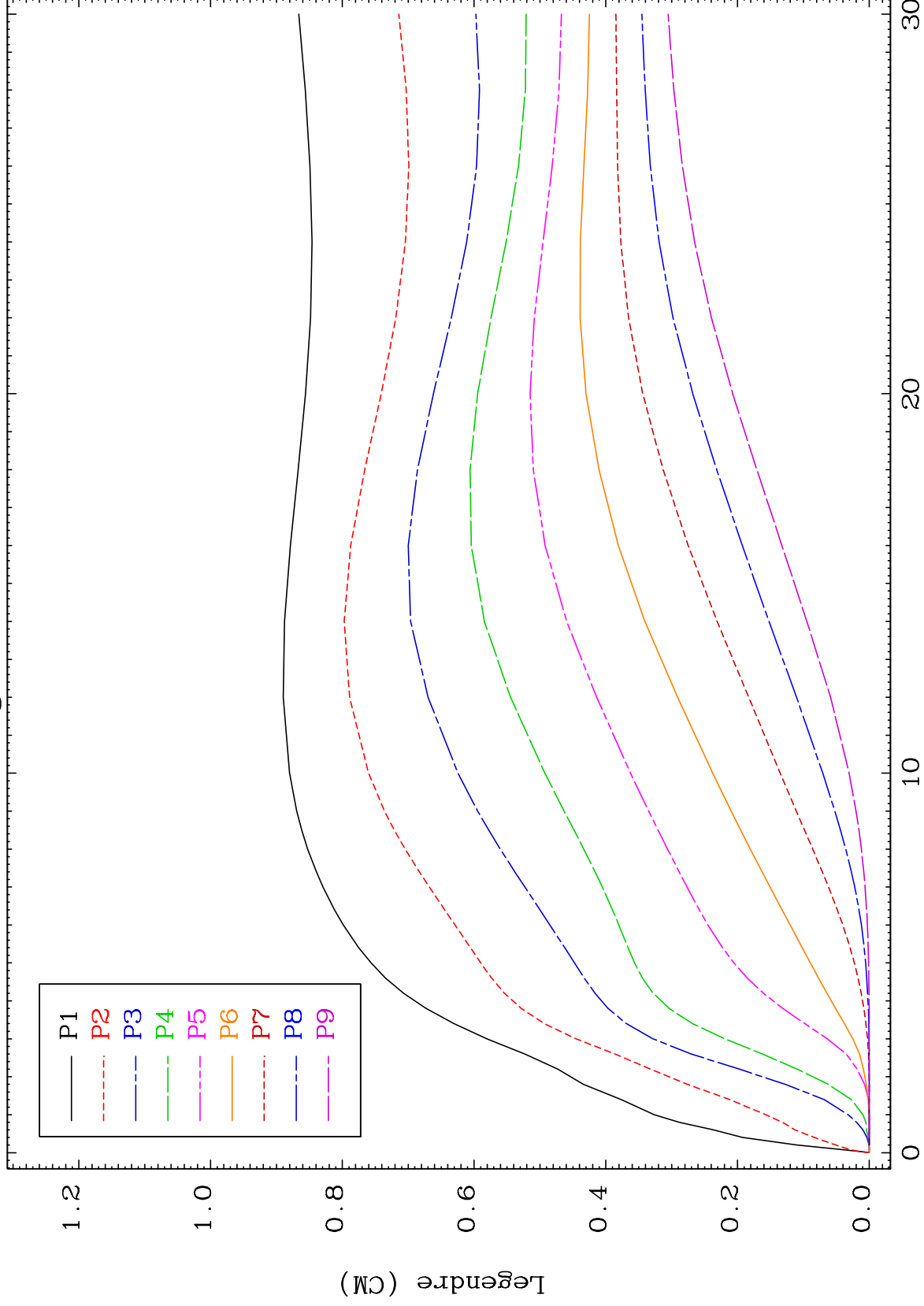




MAT 3437

Elastic Legendre Coefficients

³⁴Se-78



16

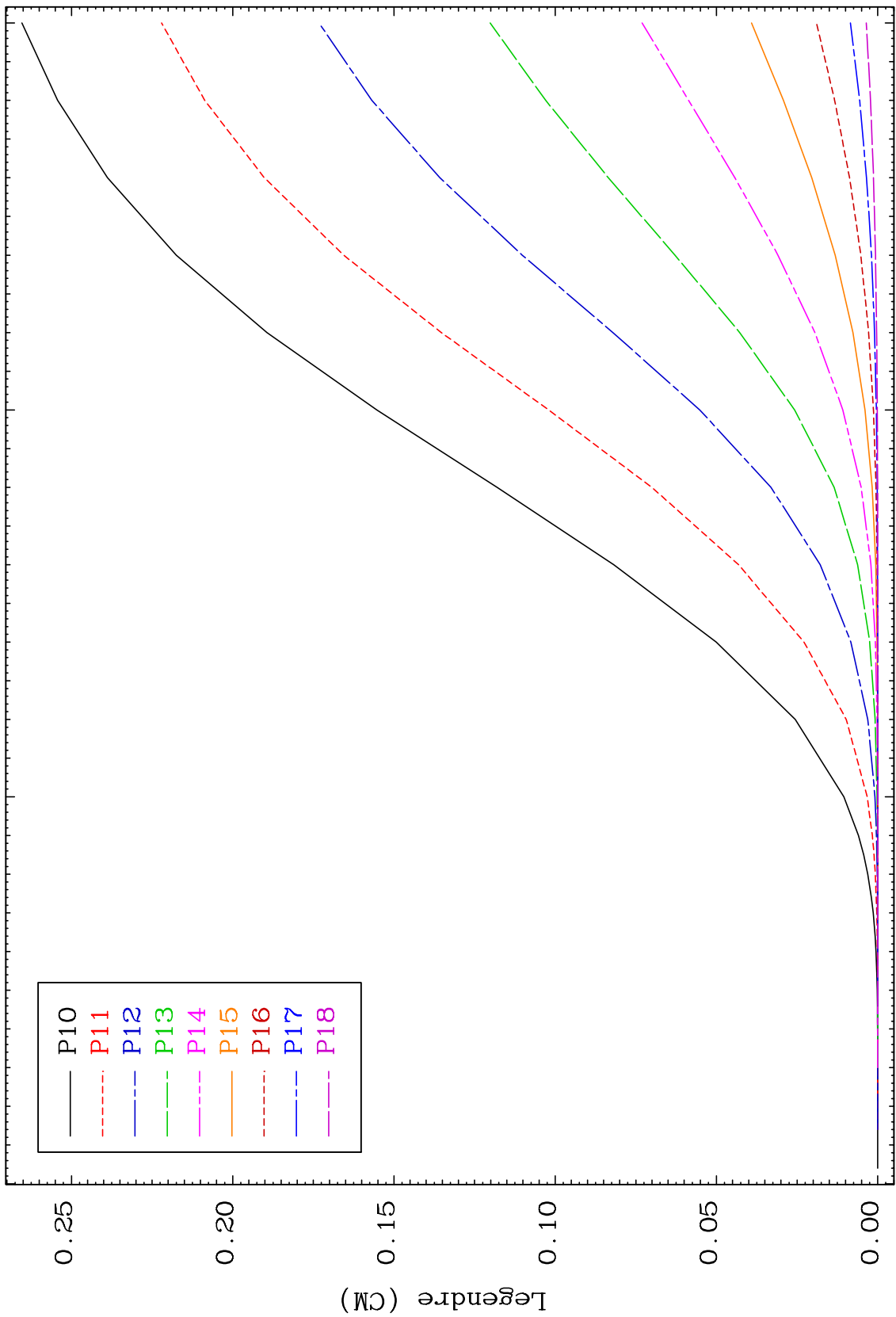
Incident Energy (MeV)

³⁴Se-78

MAT 3437

Elastic Legendre Coefficients

³⁴Se-78



17

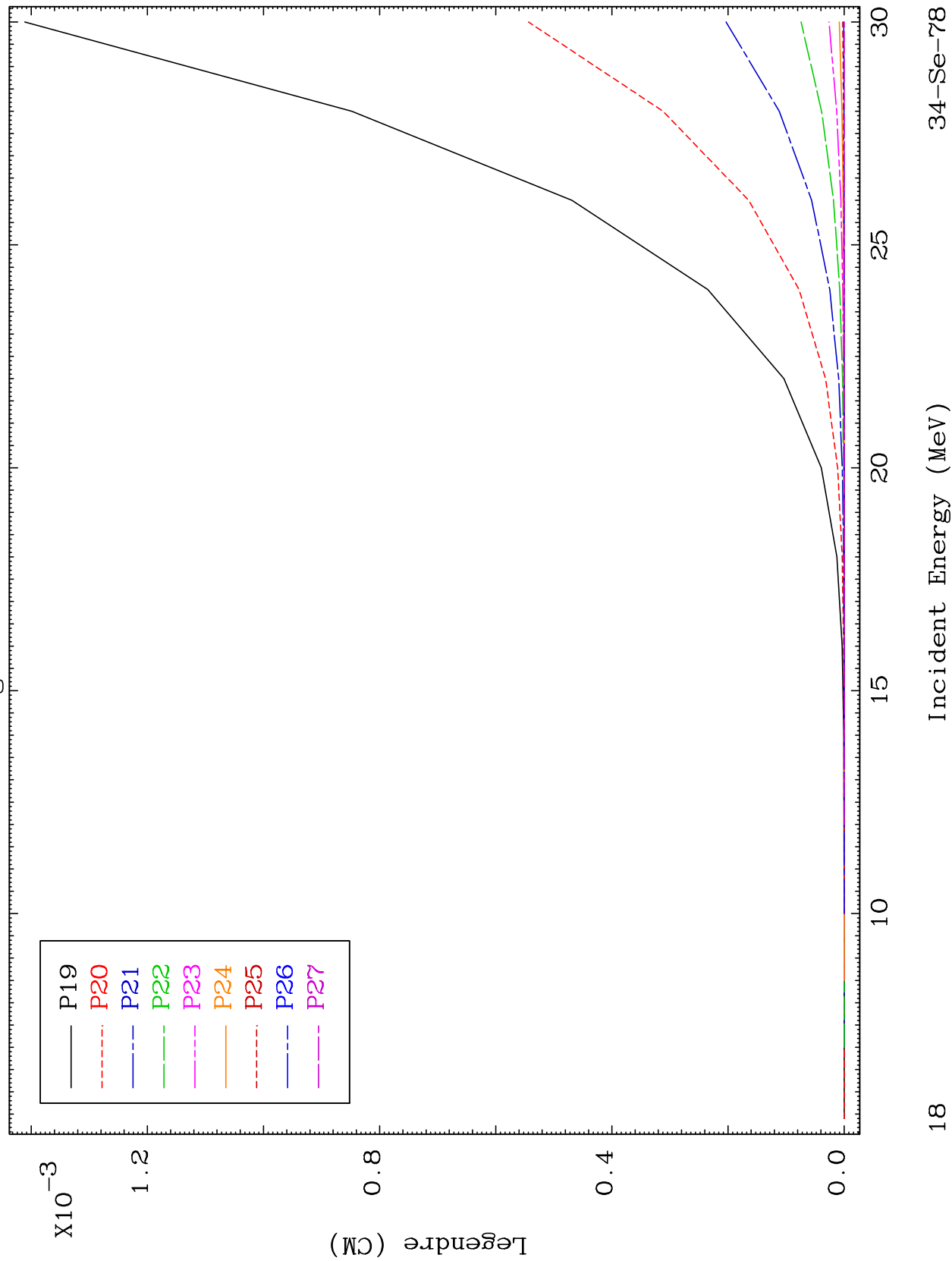
Incident Energy (MeV)

³⁴Se-78

MAT 3437

Elastic Legendre Coefficients

³⁴Se-78

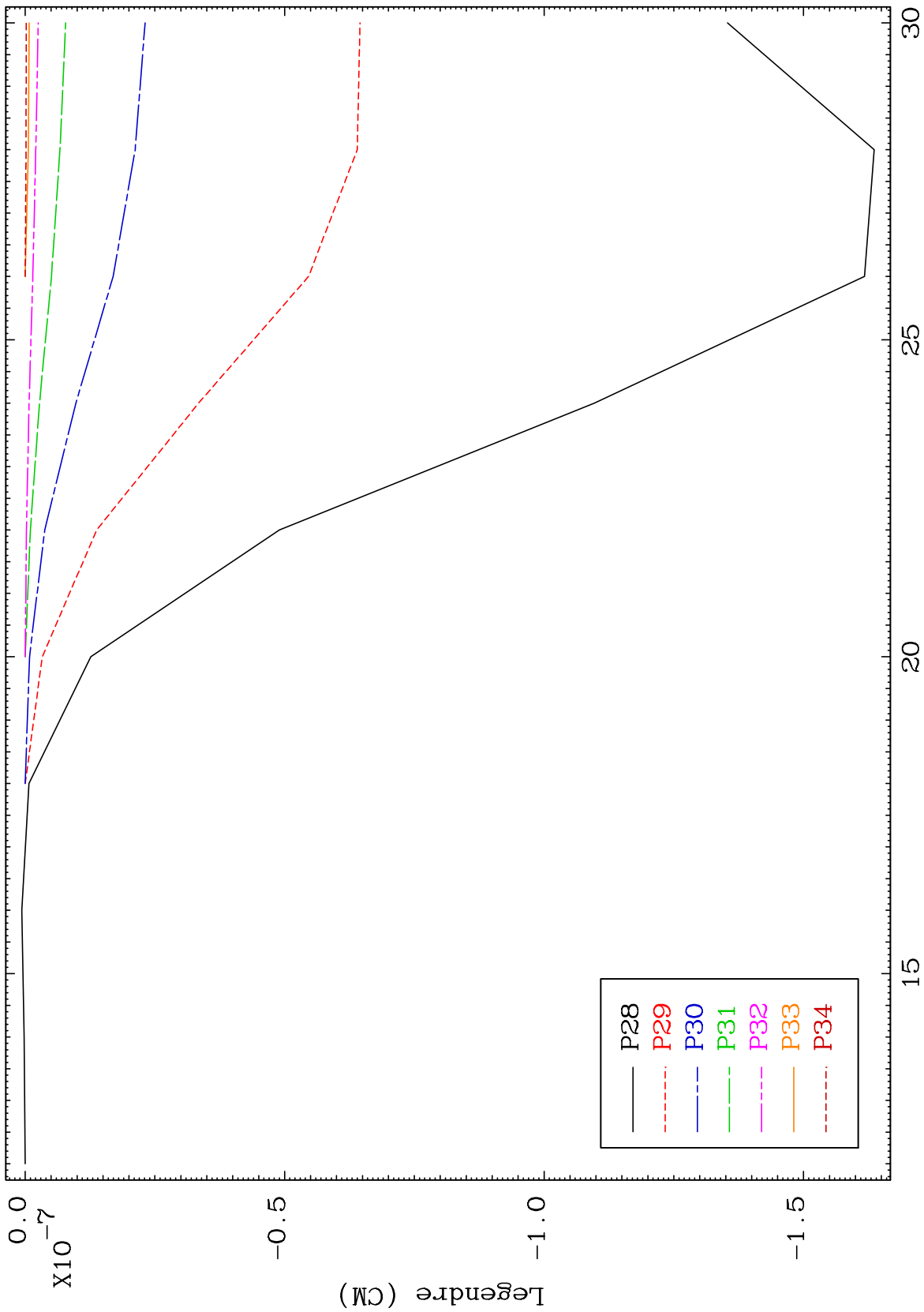


- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26
- P27

MAT 3437

³⁴Se-78

Elastic Legendre Coefficients

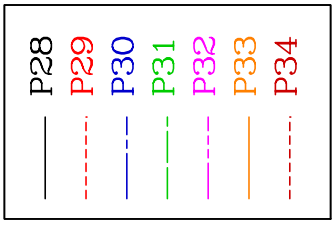


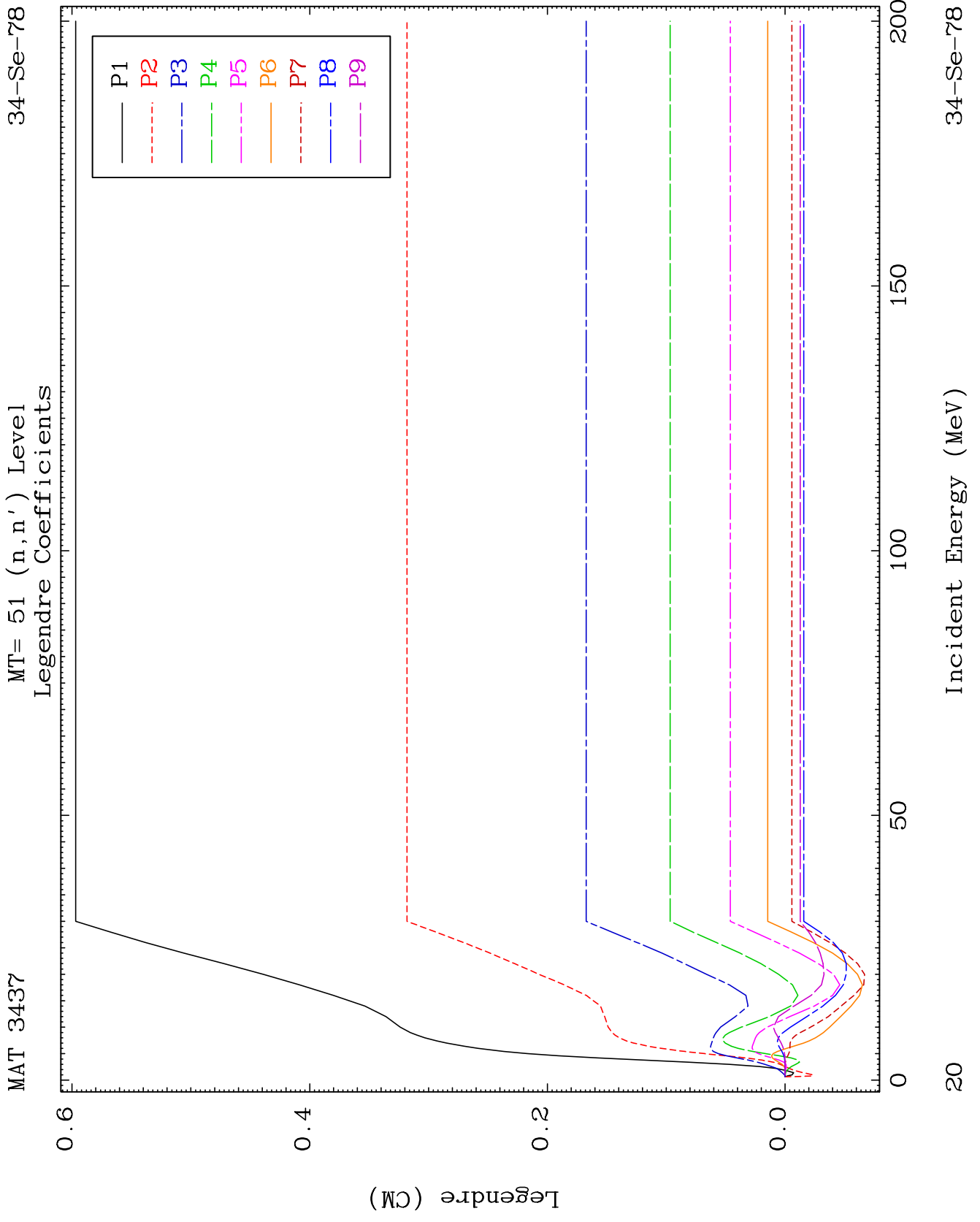
Legendre (CM)
X10⁻⁷

³⁴Se-78

Incident Energy (MeV)

19

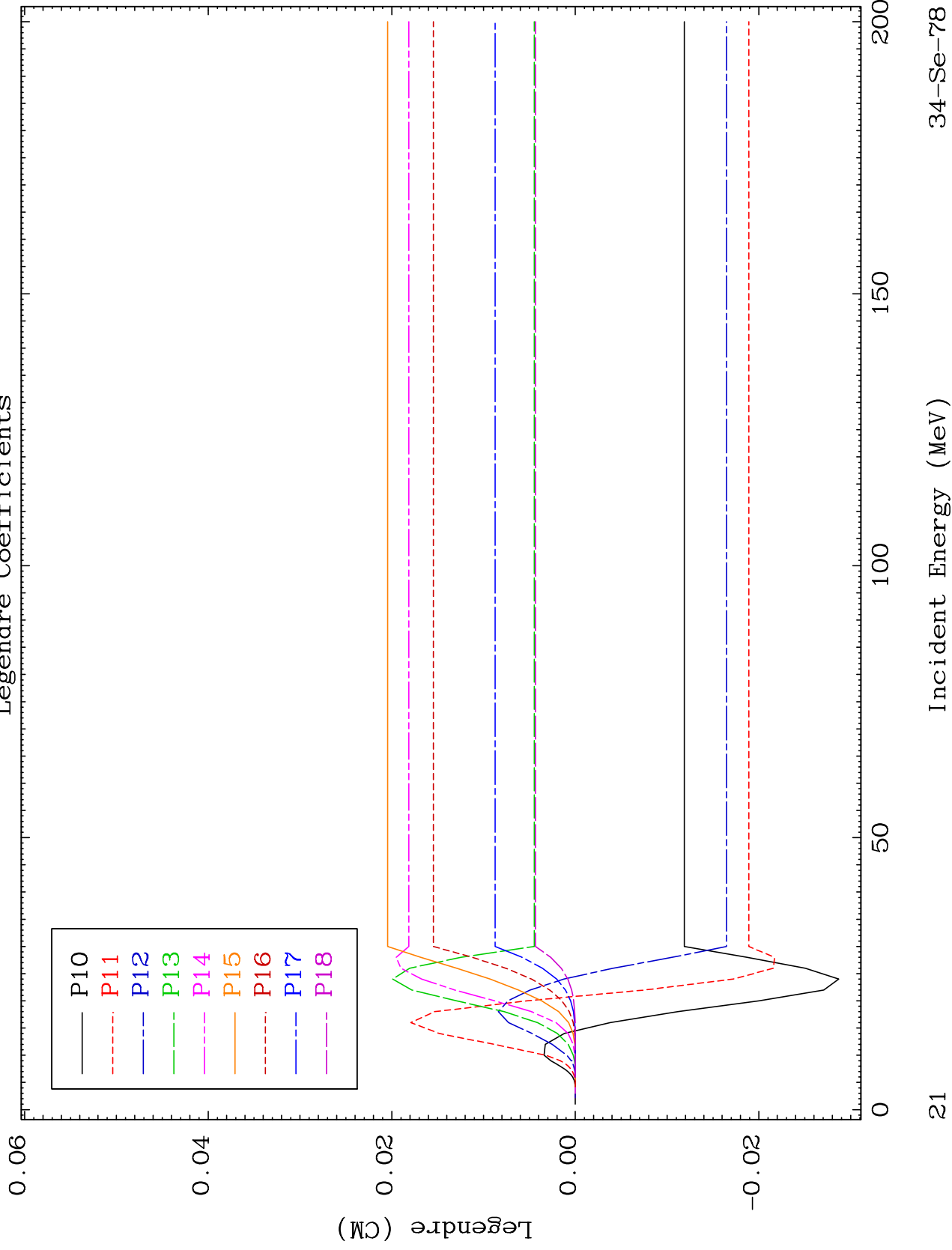




MAT 3437

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

³⁴Se-78



21

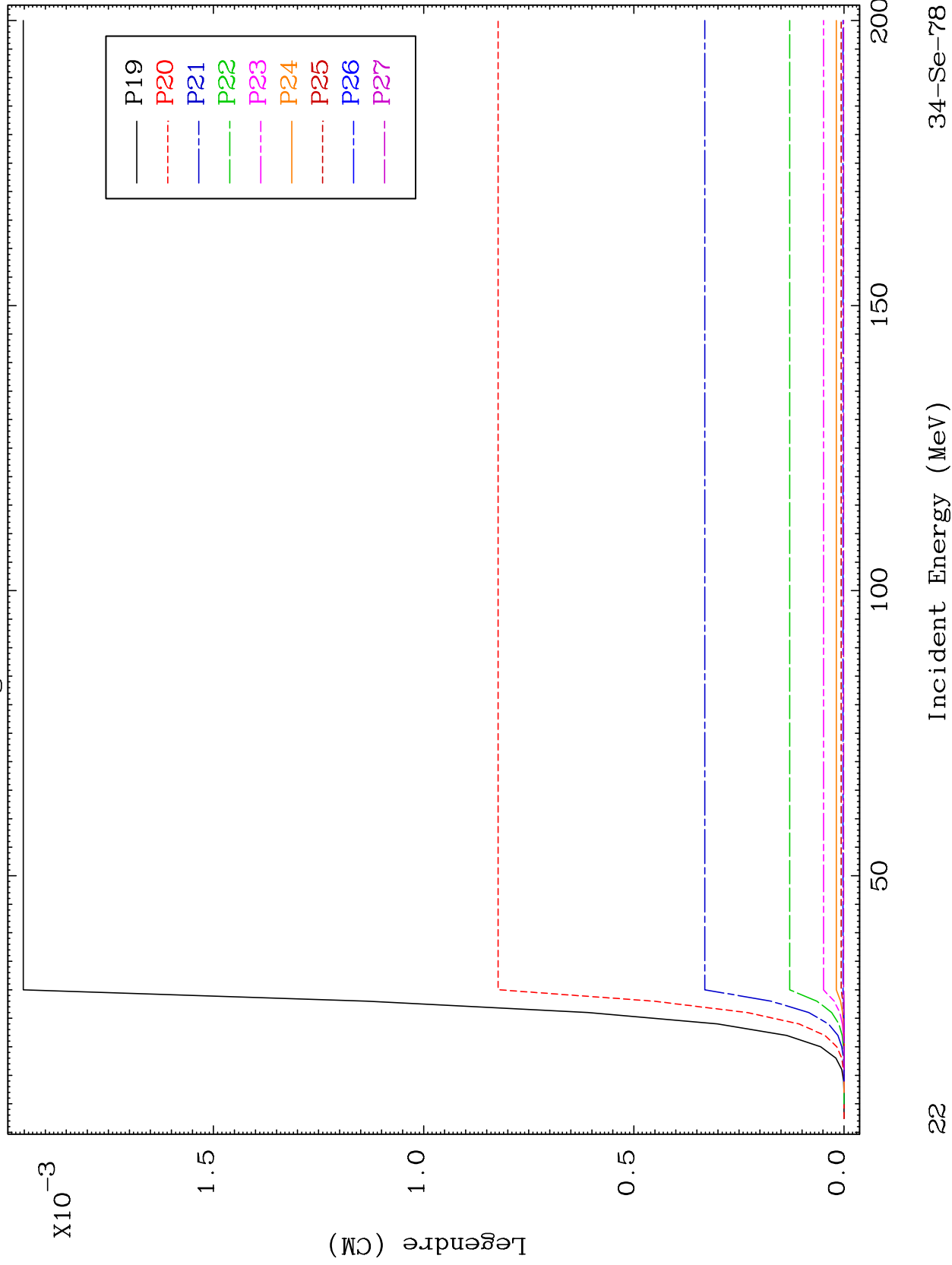
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78

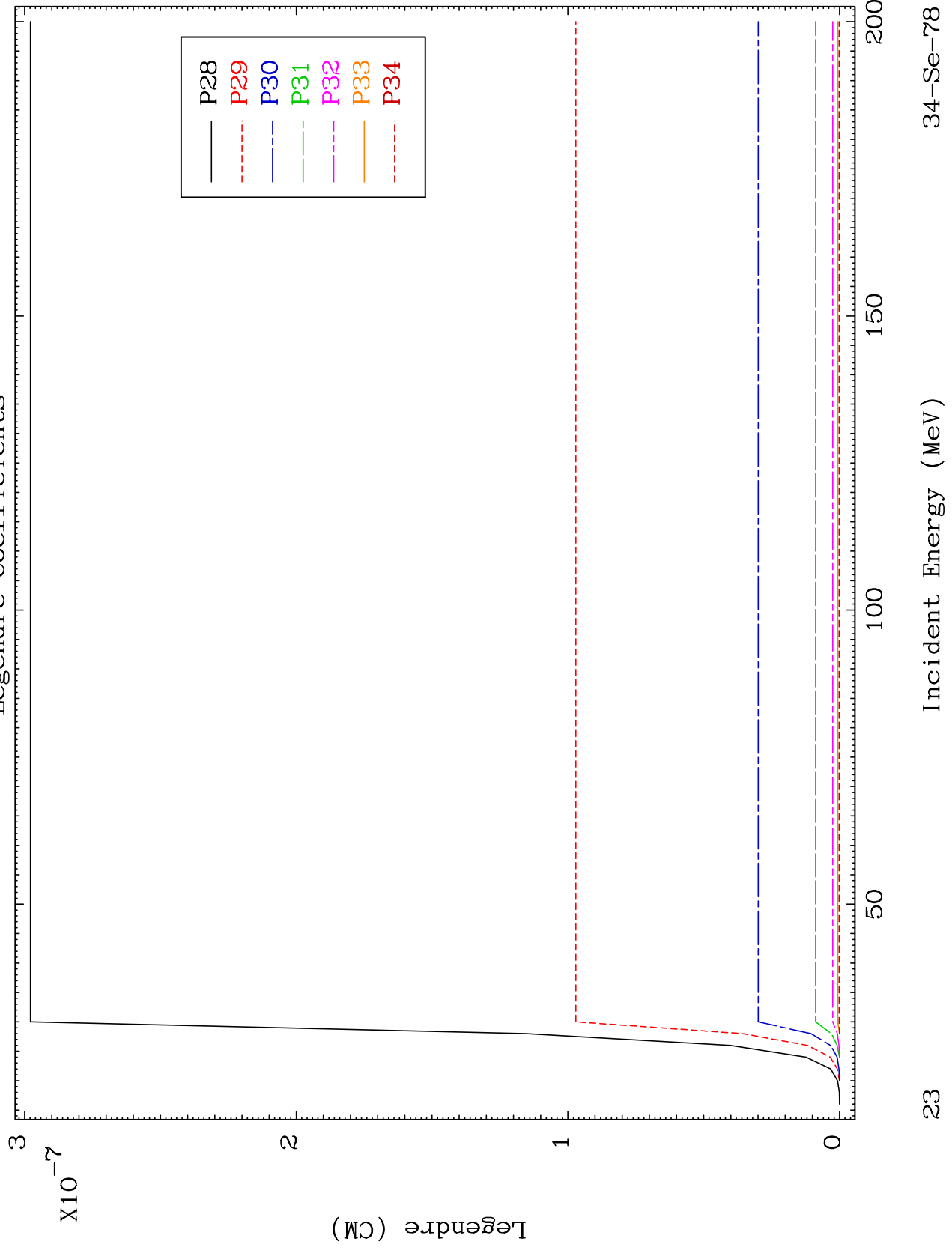


22

MAT 3437

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

34-Se-78



23

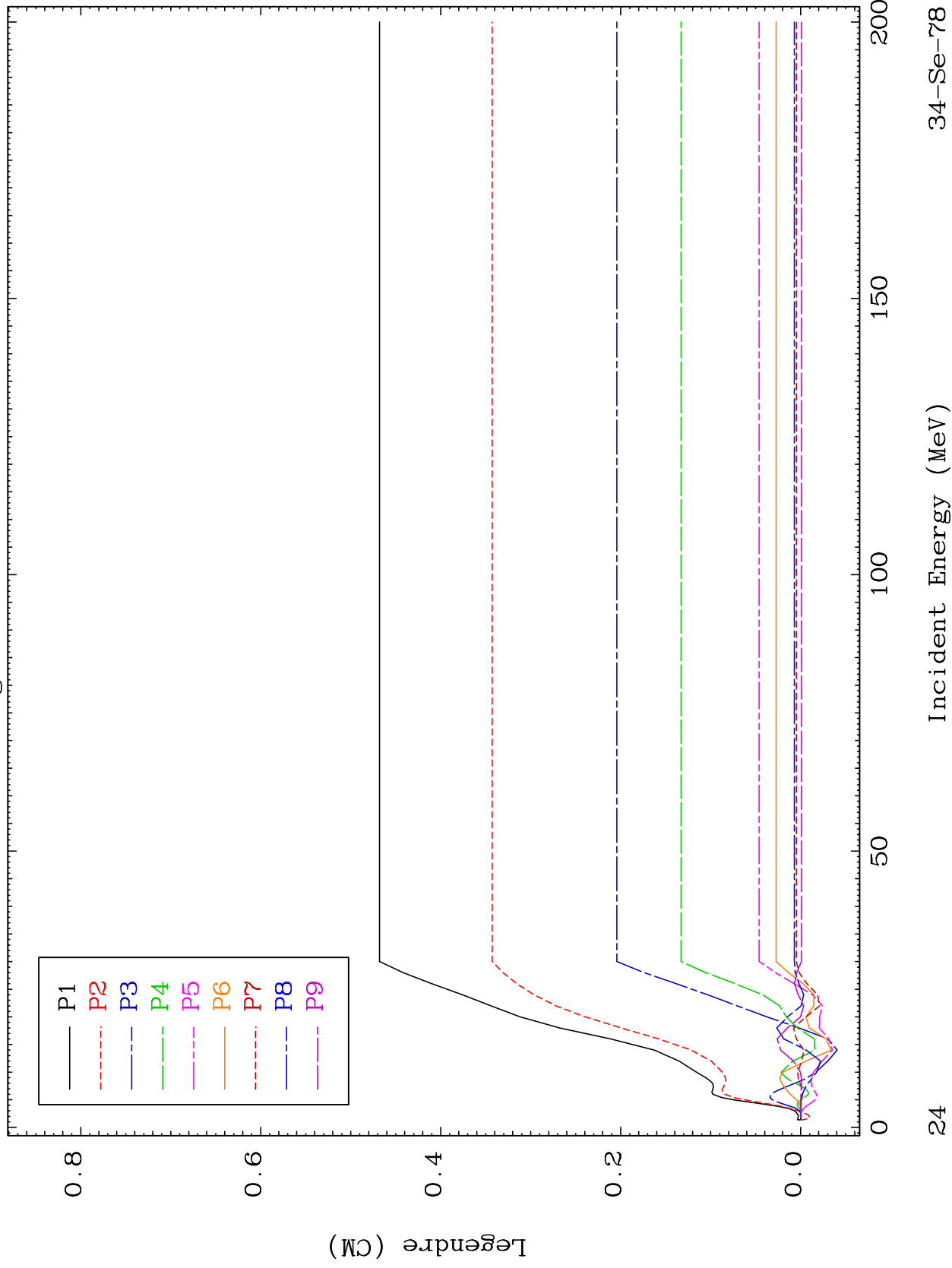
Incident Energy (MeV)

34-Se-78

MAT 3437

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

³⁴Se-78



24

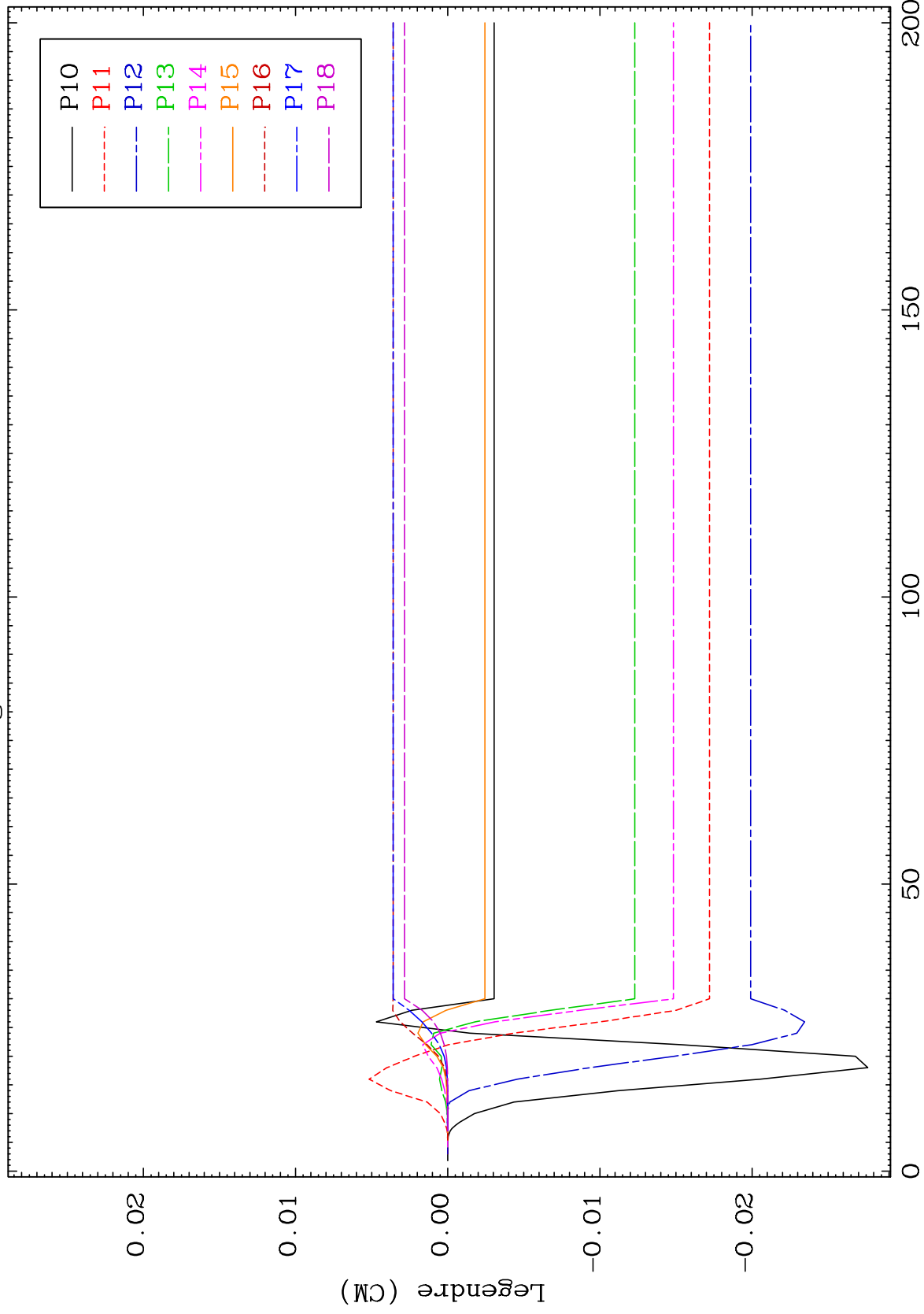
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

³⁴Se-78



25

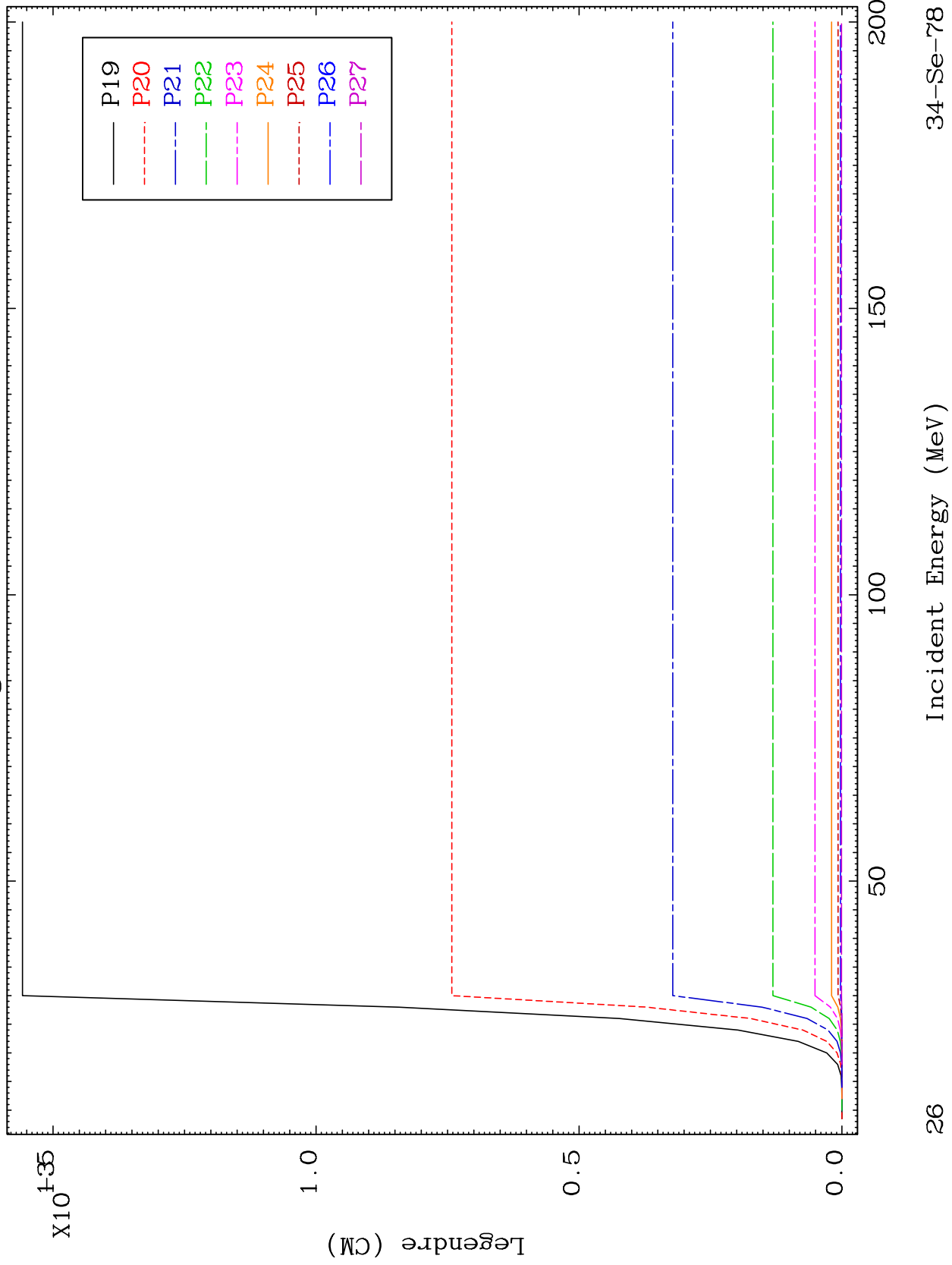
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

³⁴Se-78



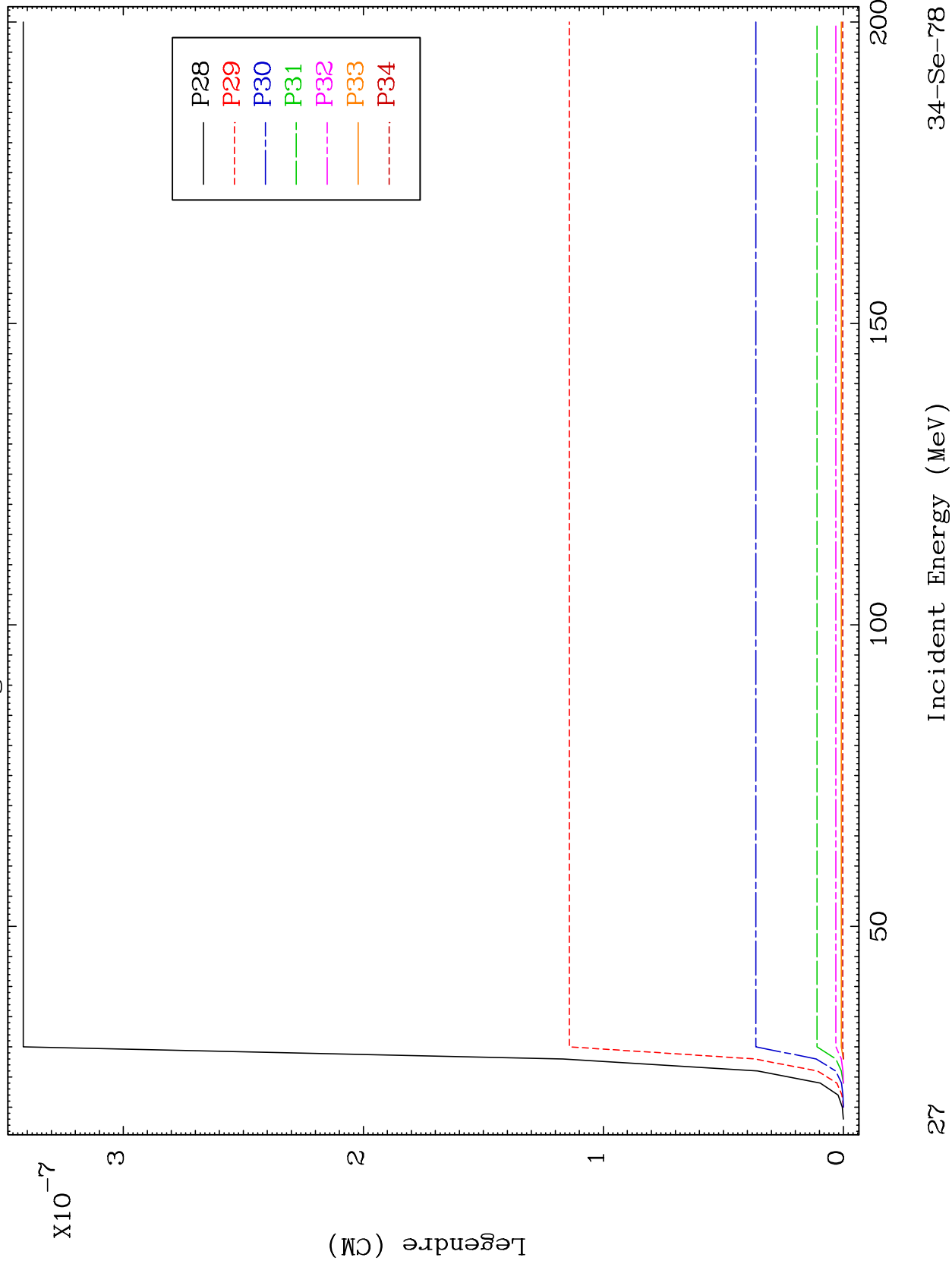
26

³⁴Se-78

MAT 3437

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

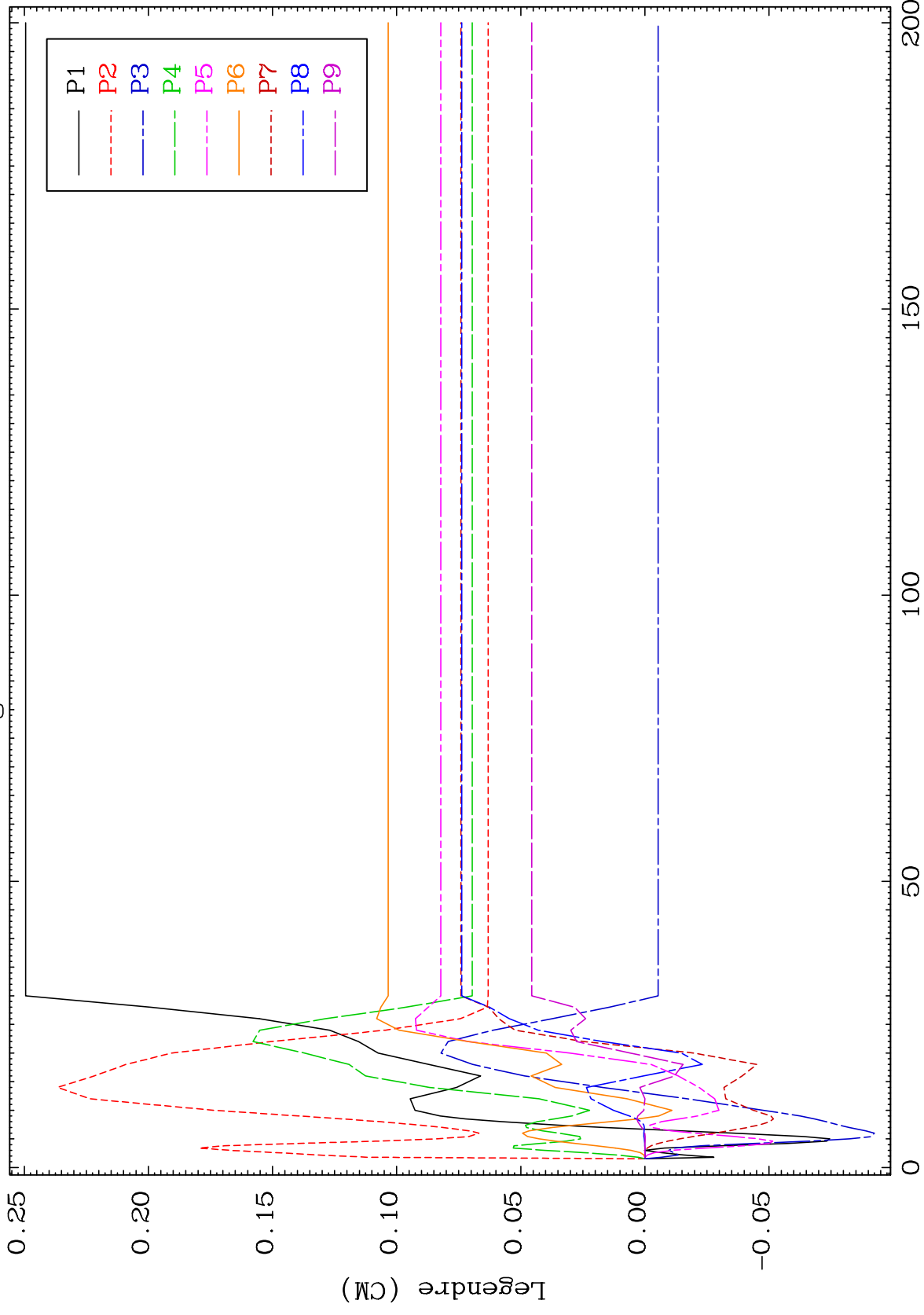
³⁴Se-78



MAT 3437

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

³⁴Se-78



³⁴Se-78

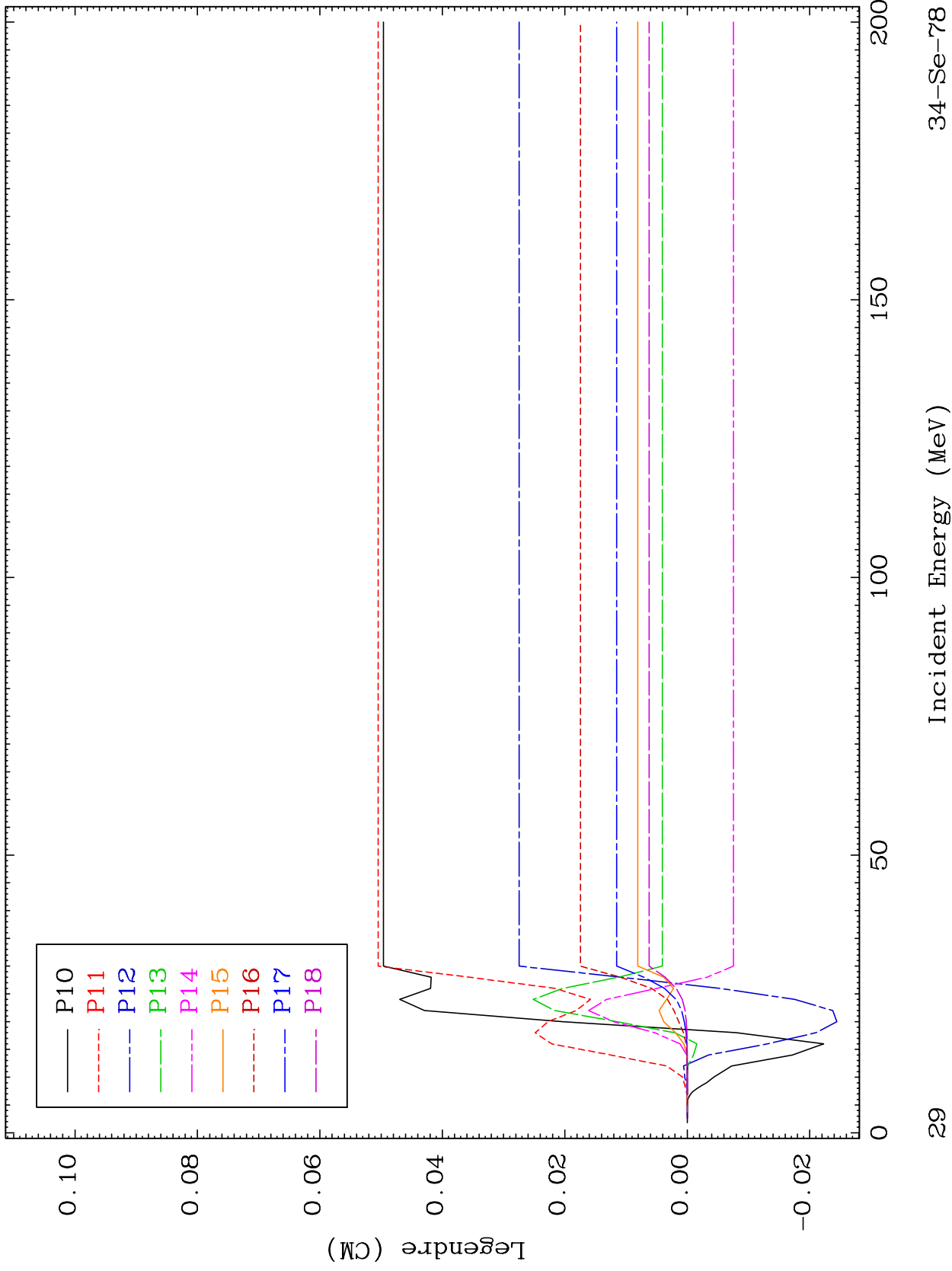
Incident Energy (MeV)

28

MAT 3437

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

34-Se-78



29

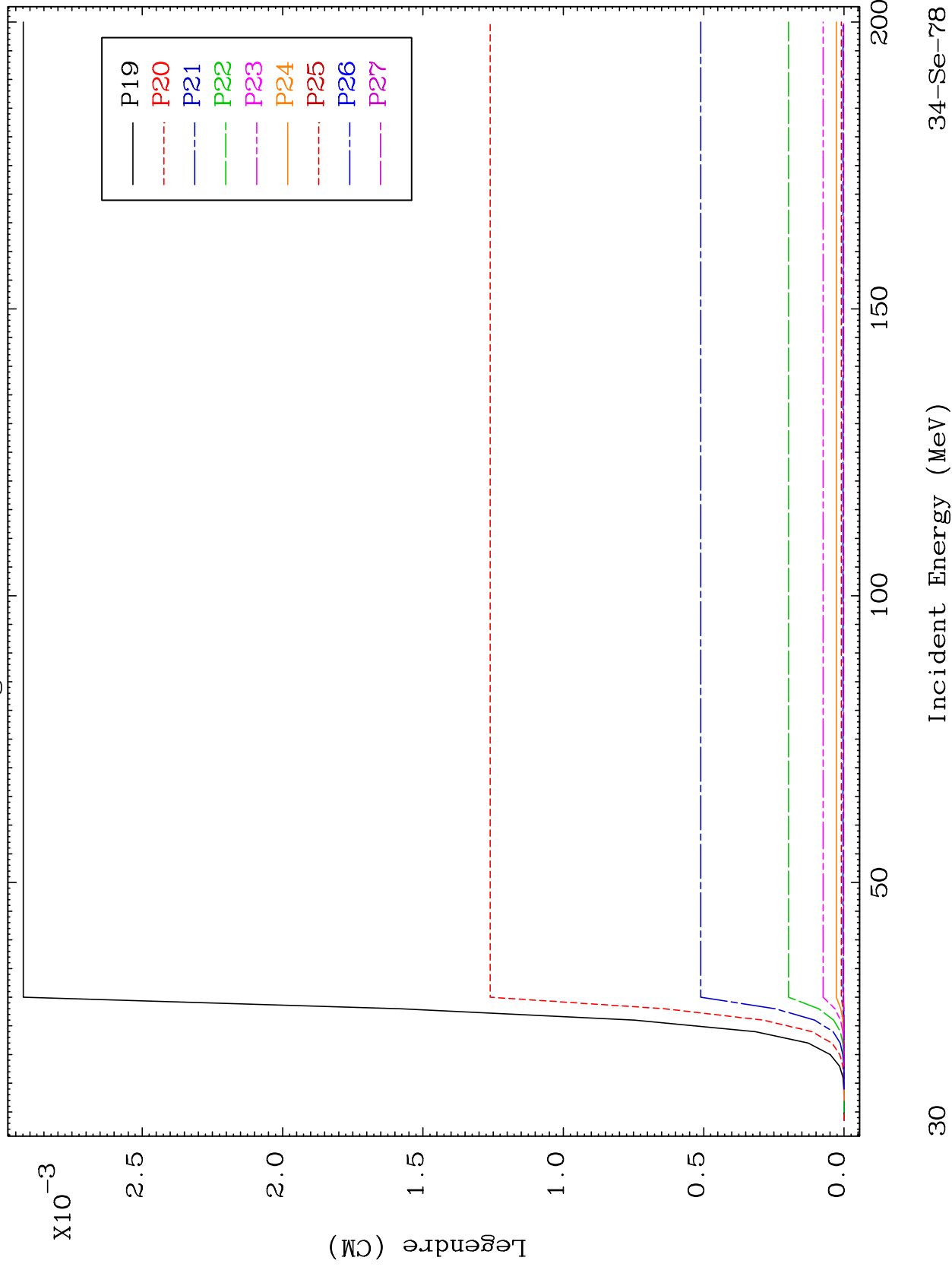
Incident Energy (MeV)

34-Se-78

MAT 3437

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

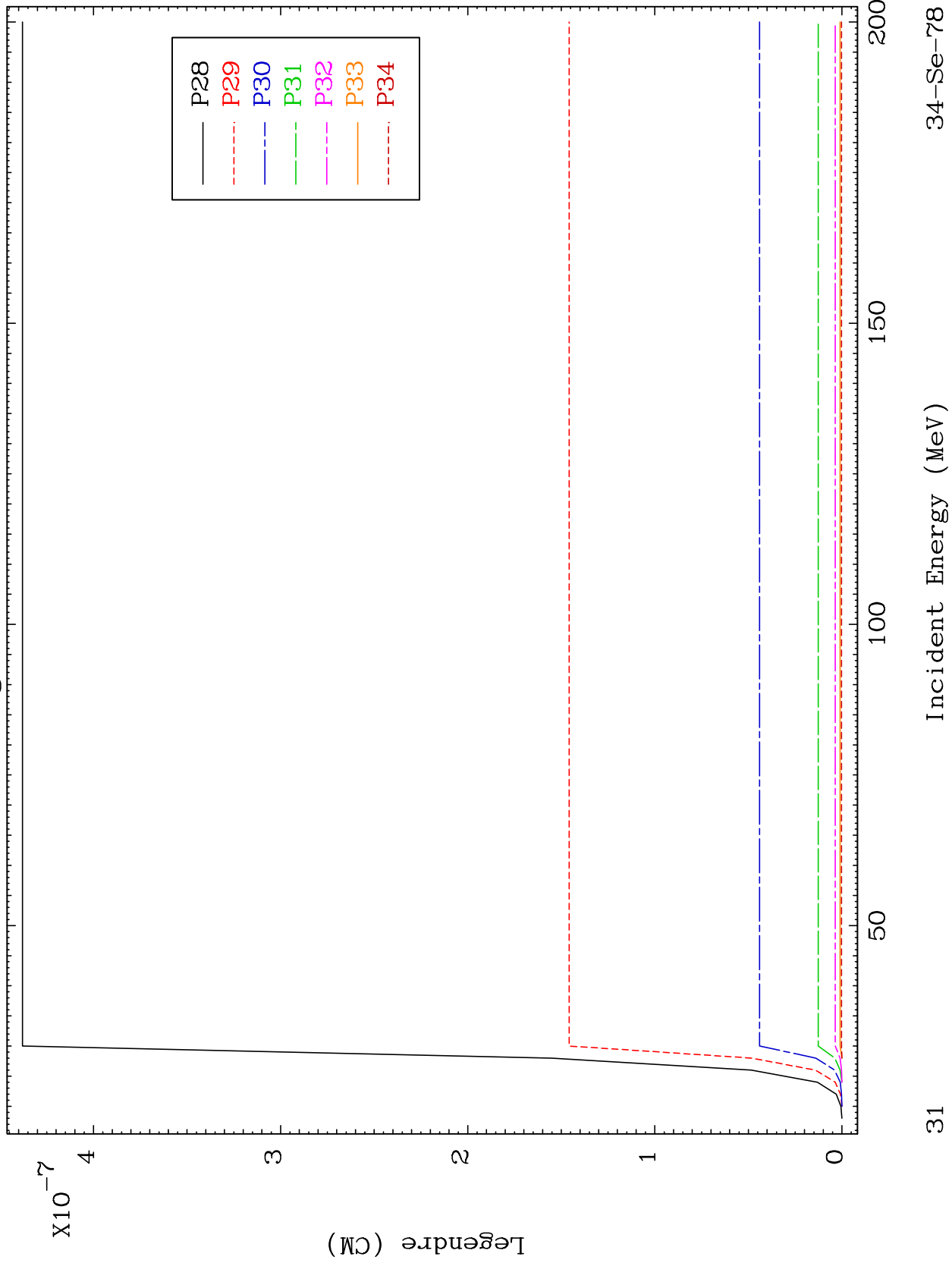
34-Se-78



MAT 3437

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

³⁴Se-78



31

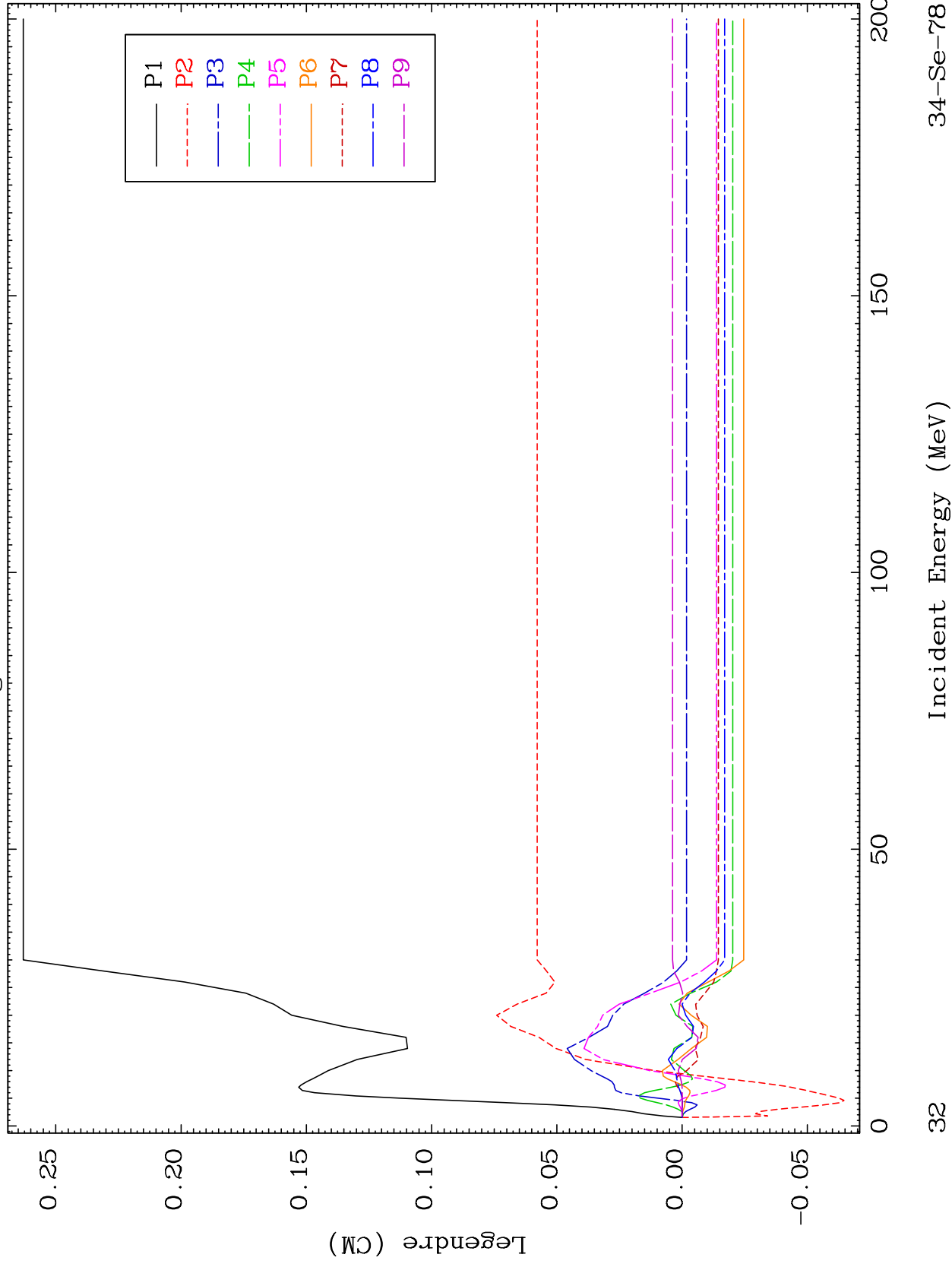
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78



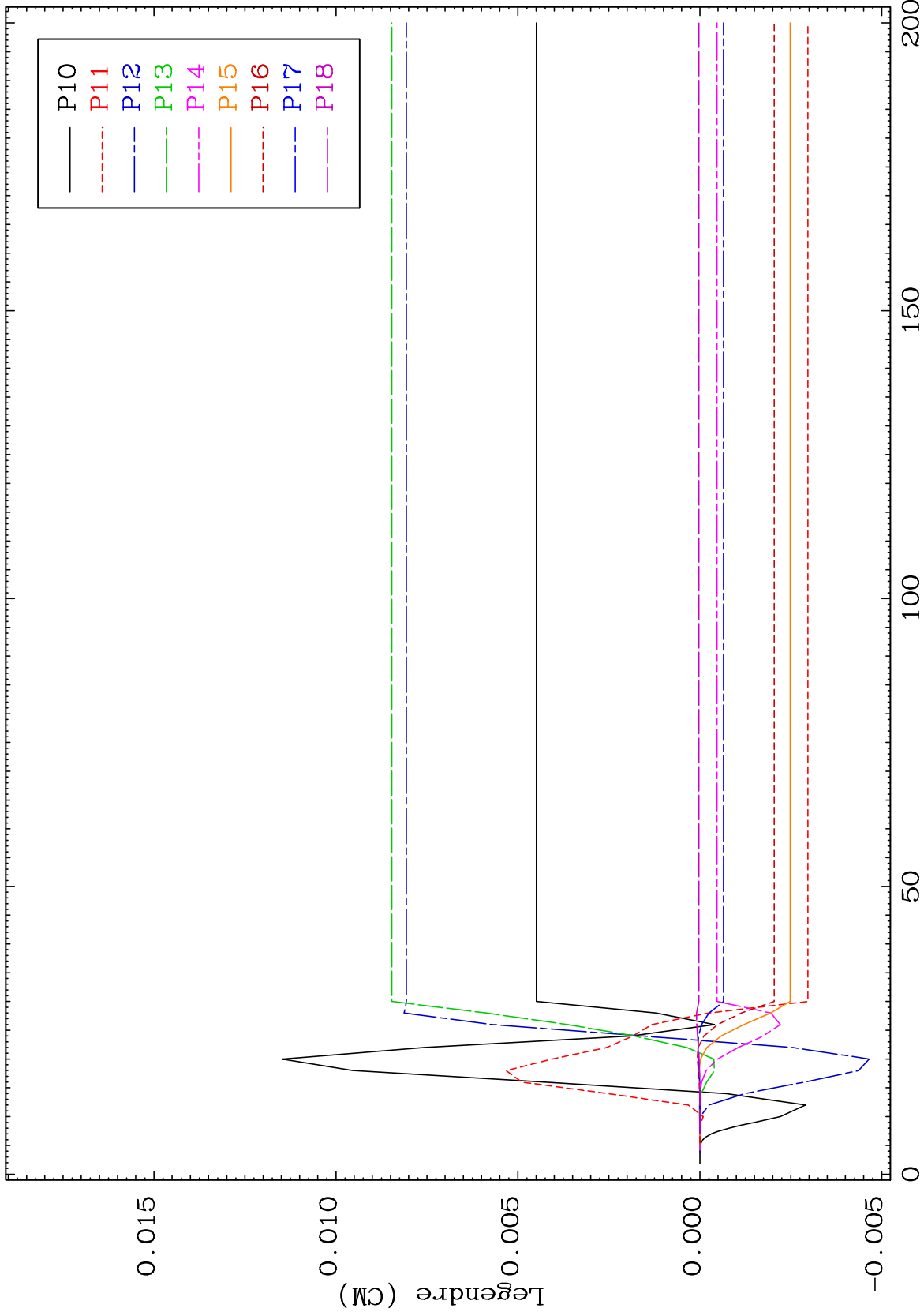
32

34-Se-78

MAT 3437

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

34-Se-78



33

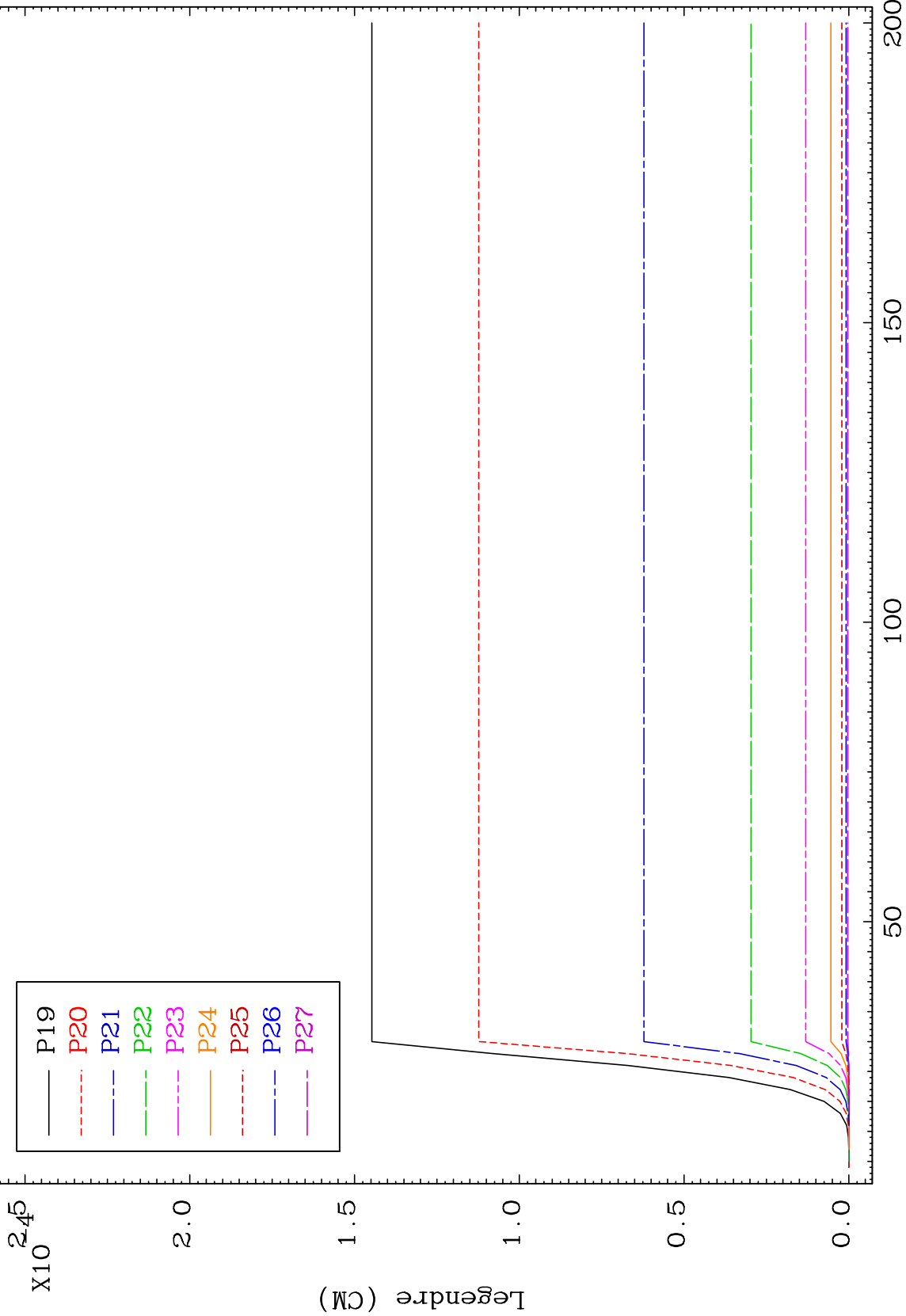
Incident Energy (MeV)

34-Se-78

MAT 3437

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

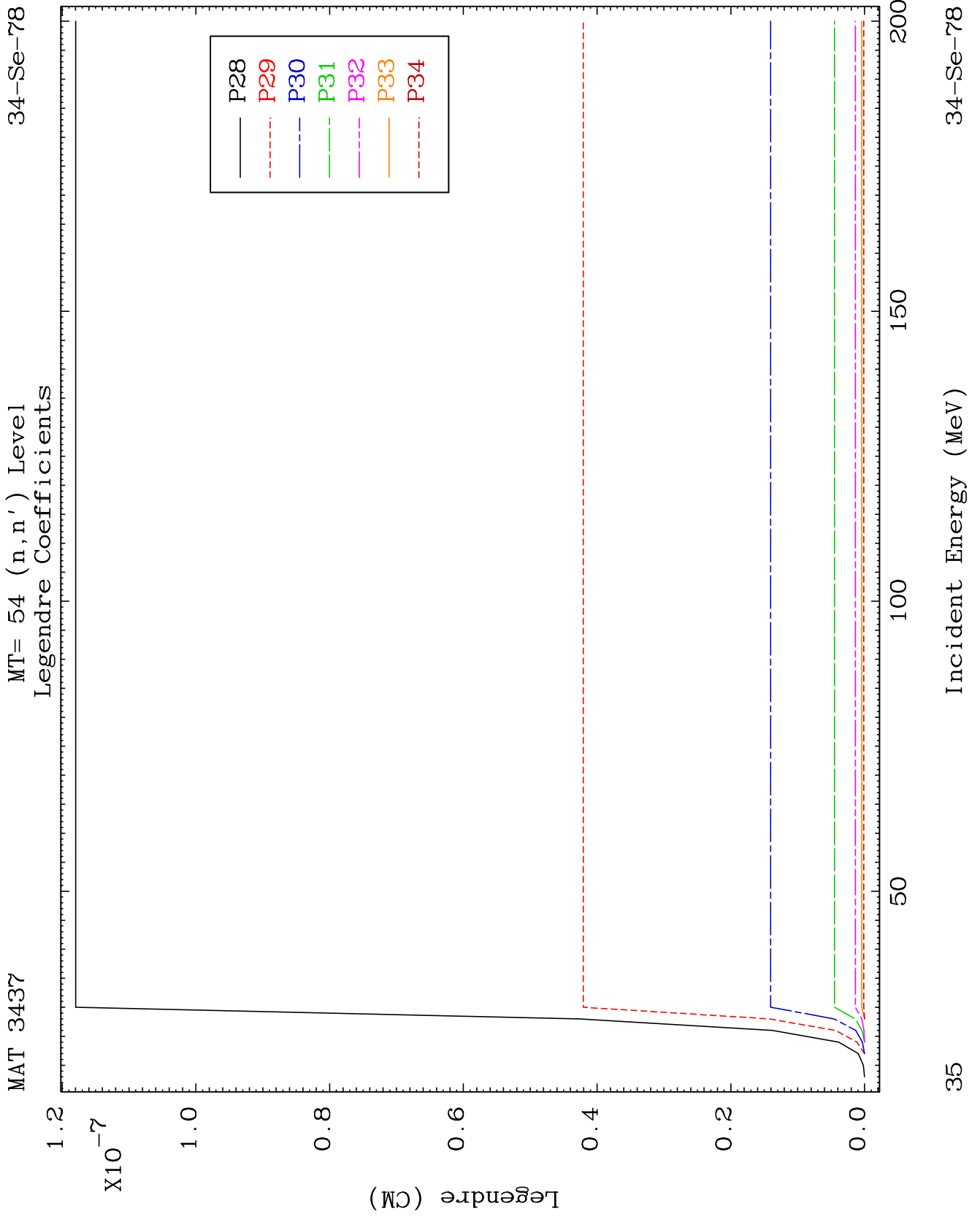
34-Se-78



34

Incident Energy (MeV)

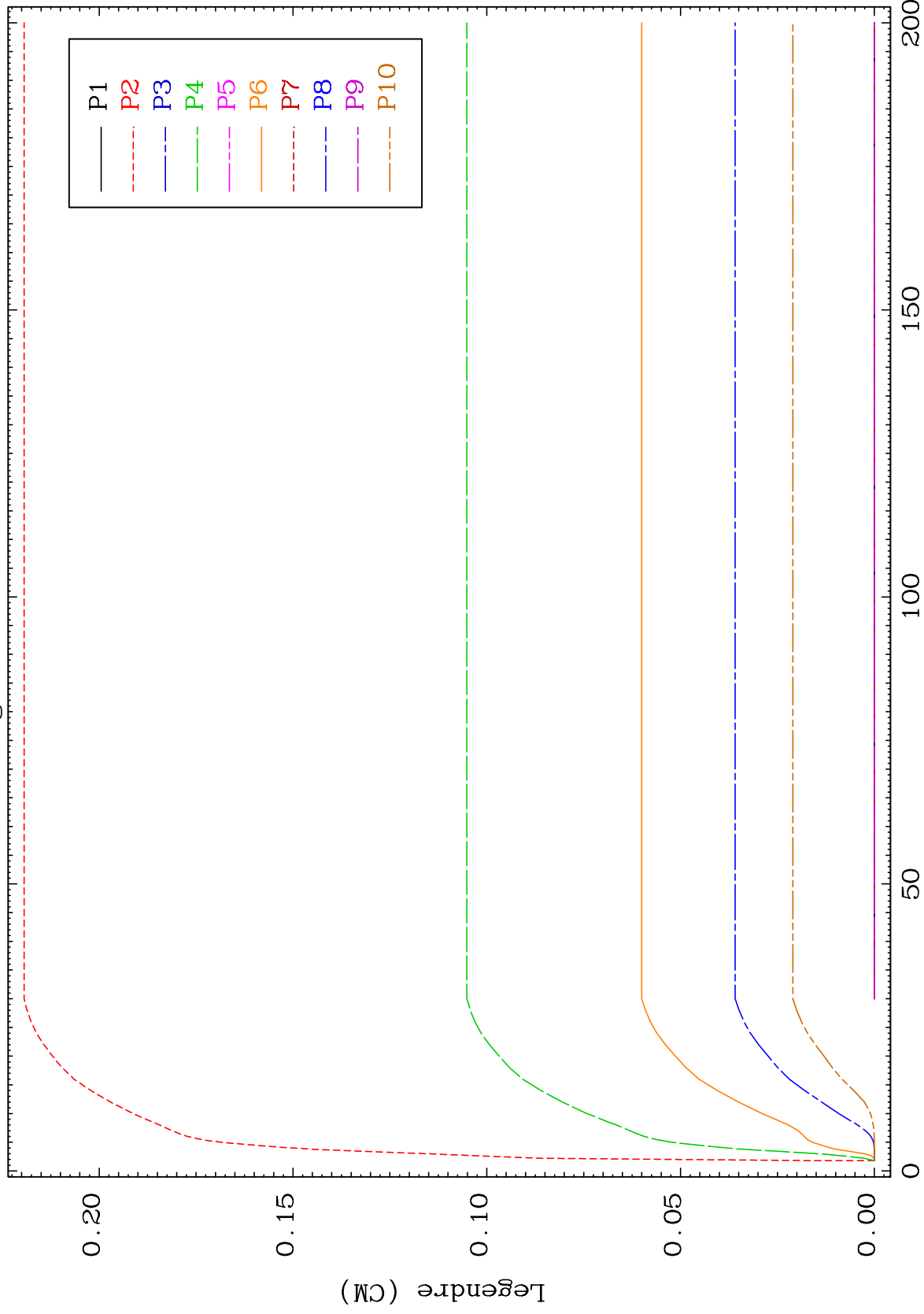
34-Se-78



MAT 3437

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

34-Se-78



36

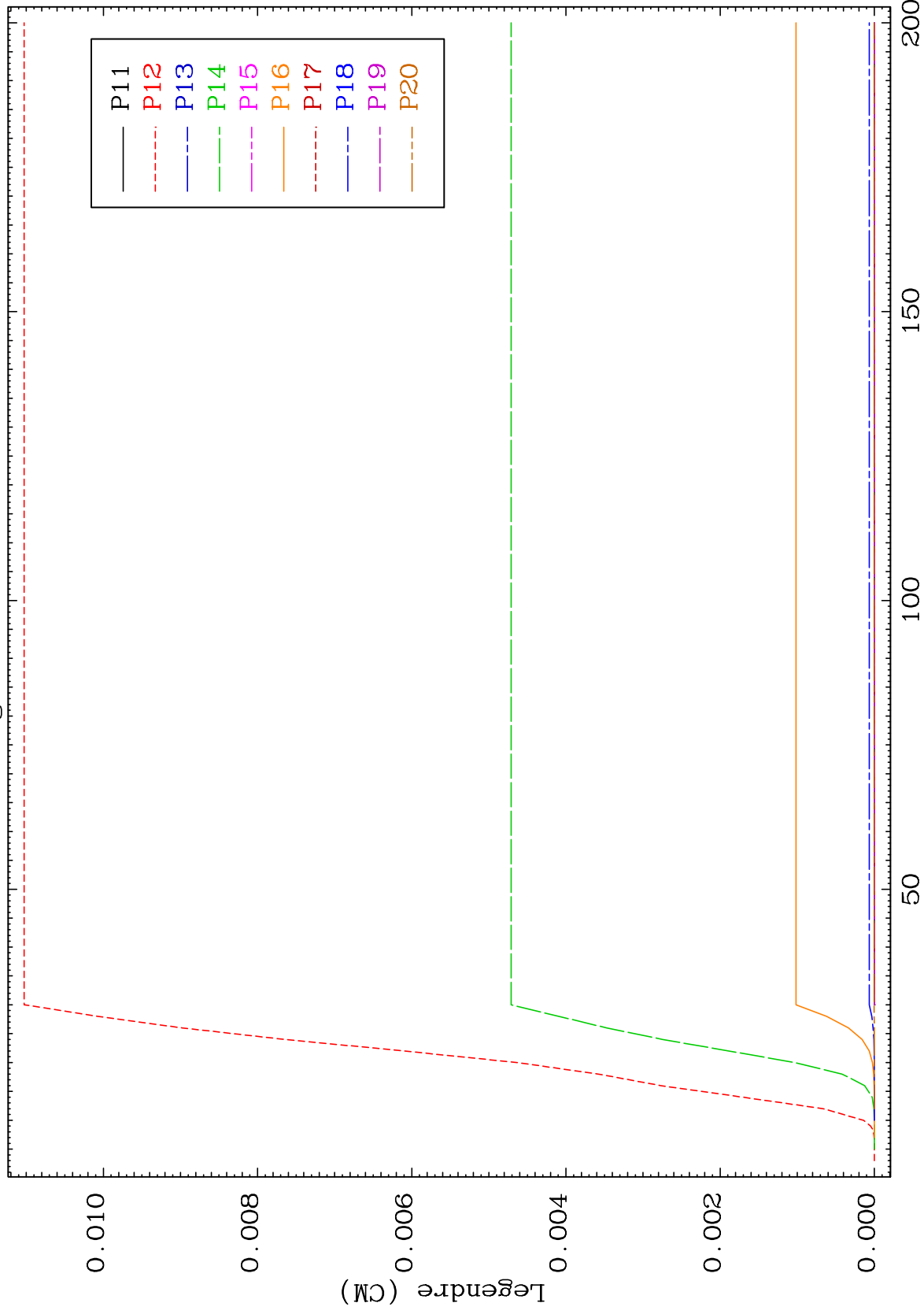
Incident Energy (MeV)

34-Se-78

MAT 3437

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

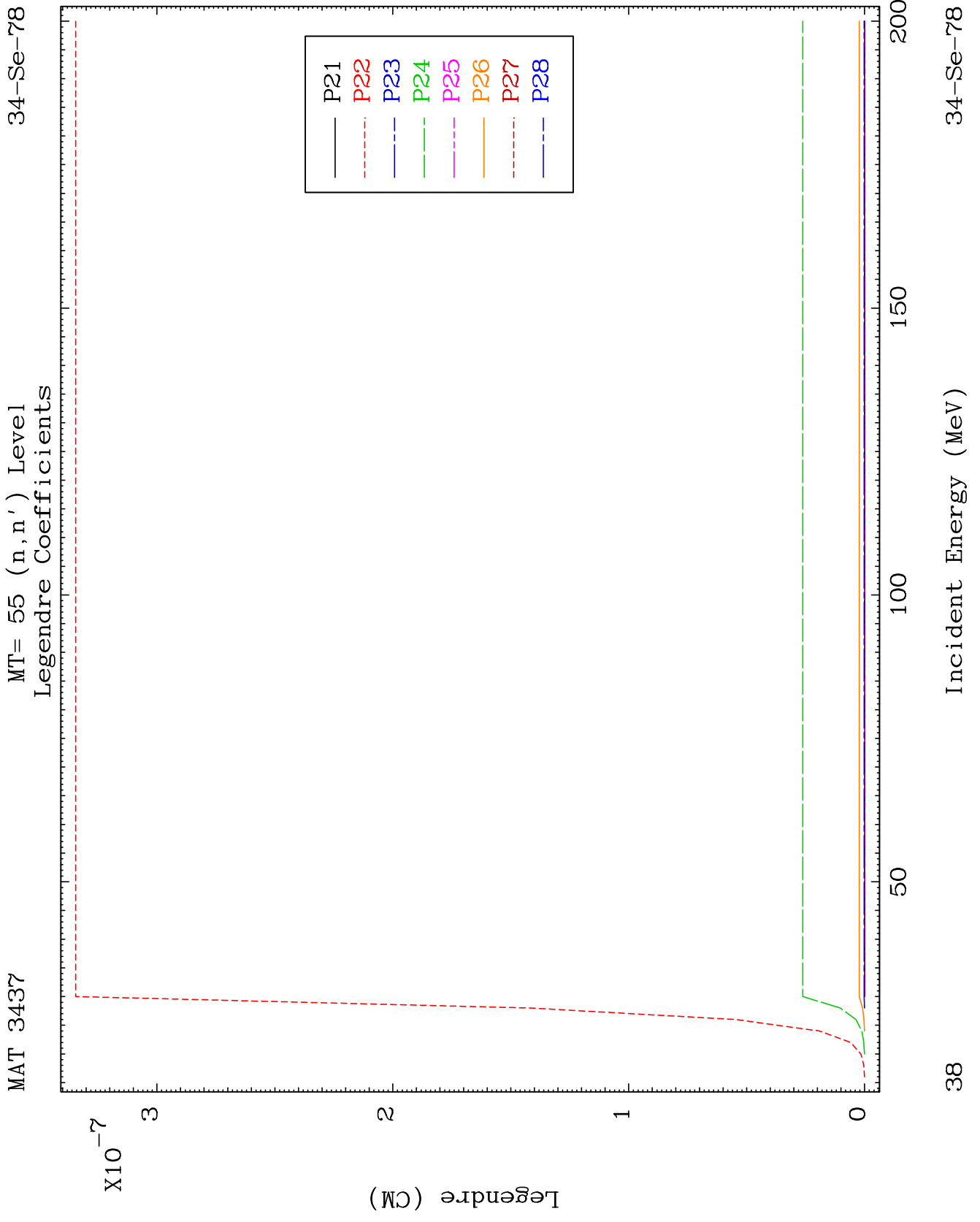
34-Se-78

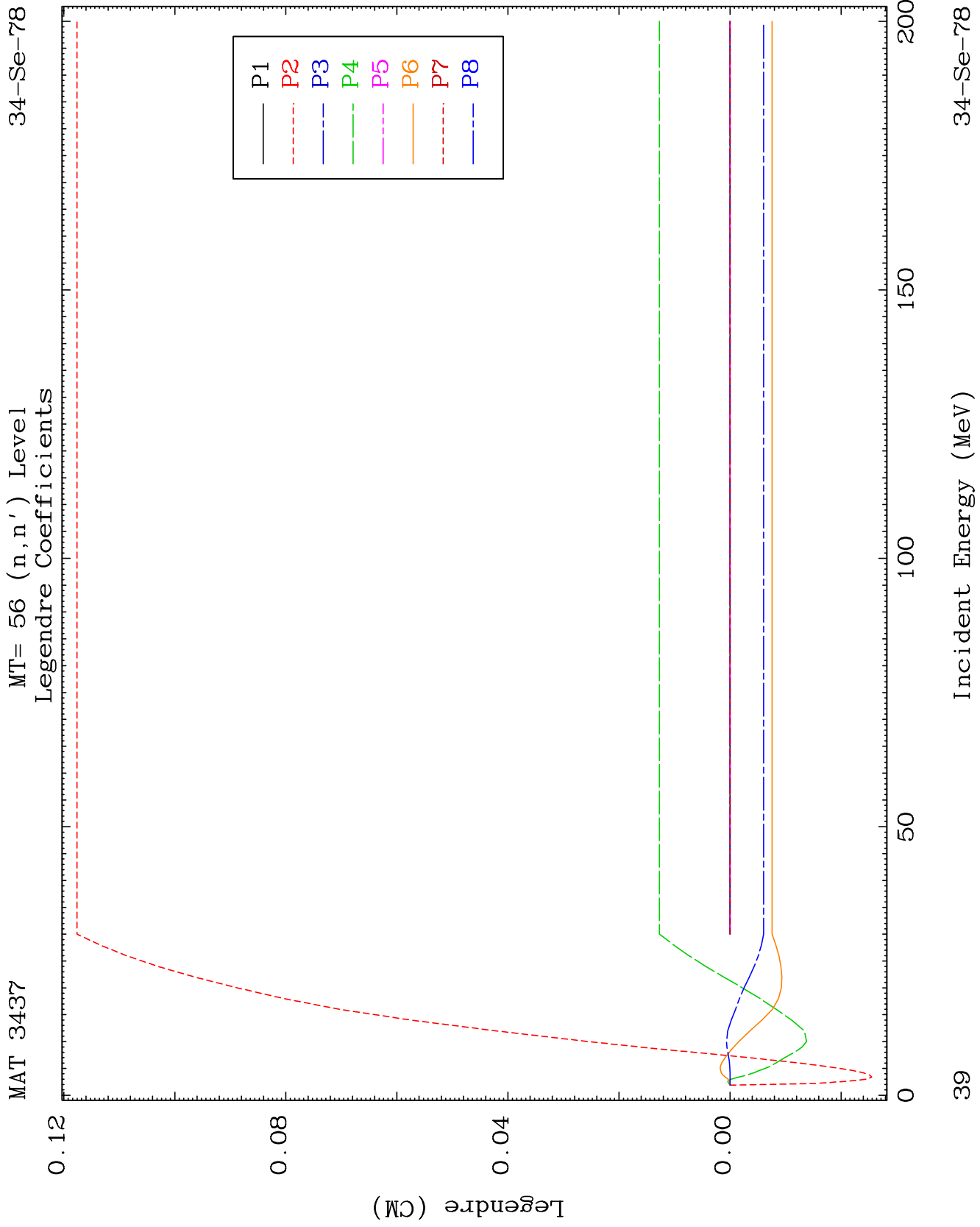


37

Incident Energy (MeV)

34-Se-78

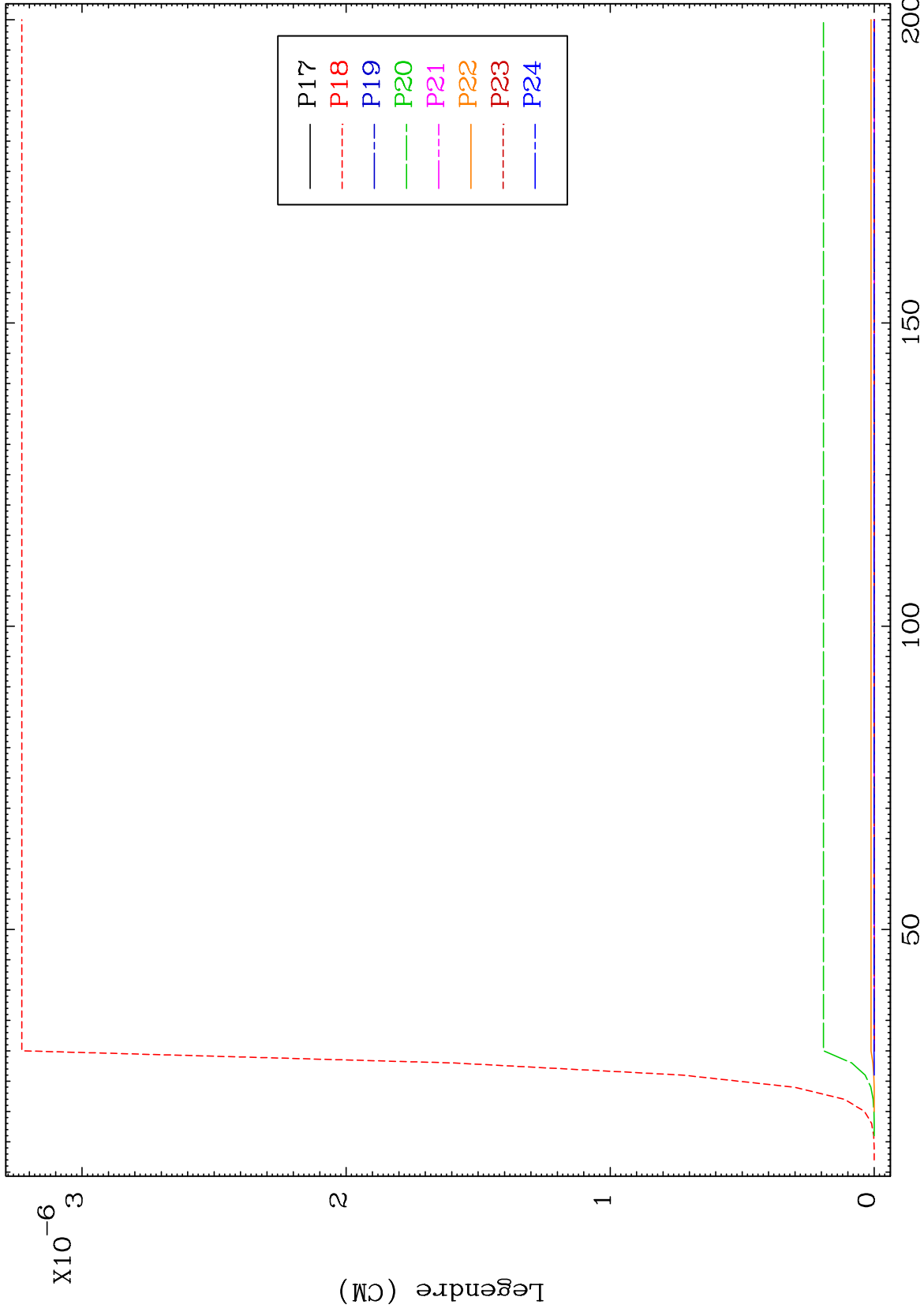




MAT 3437

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

34-Se-78



41

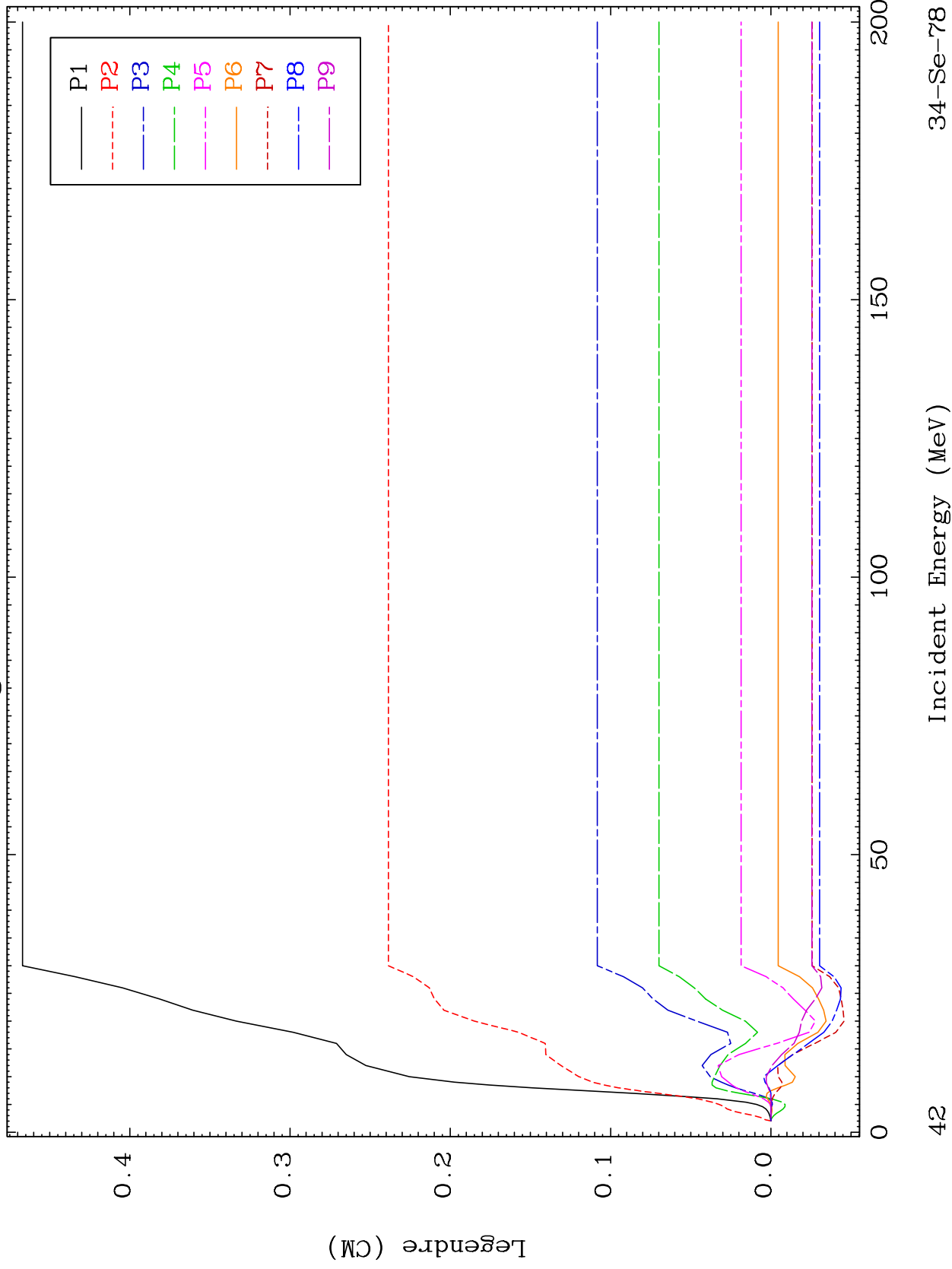
Incident Energy (MeV)

34-Se-78

MAT 3437

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

³⁴Se-78



³⁴Se-78

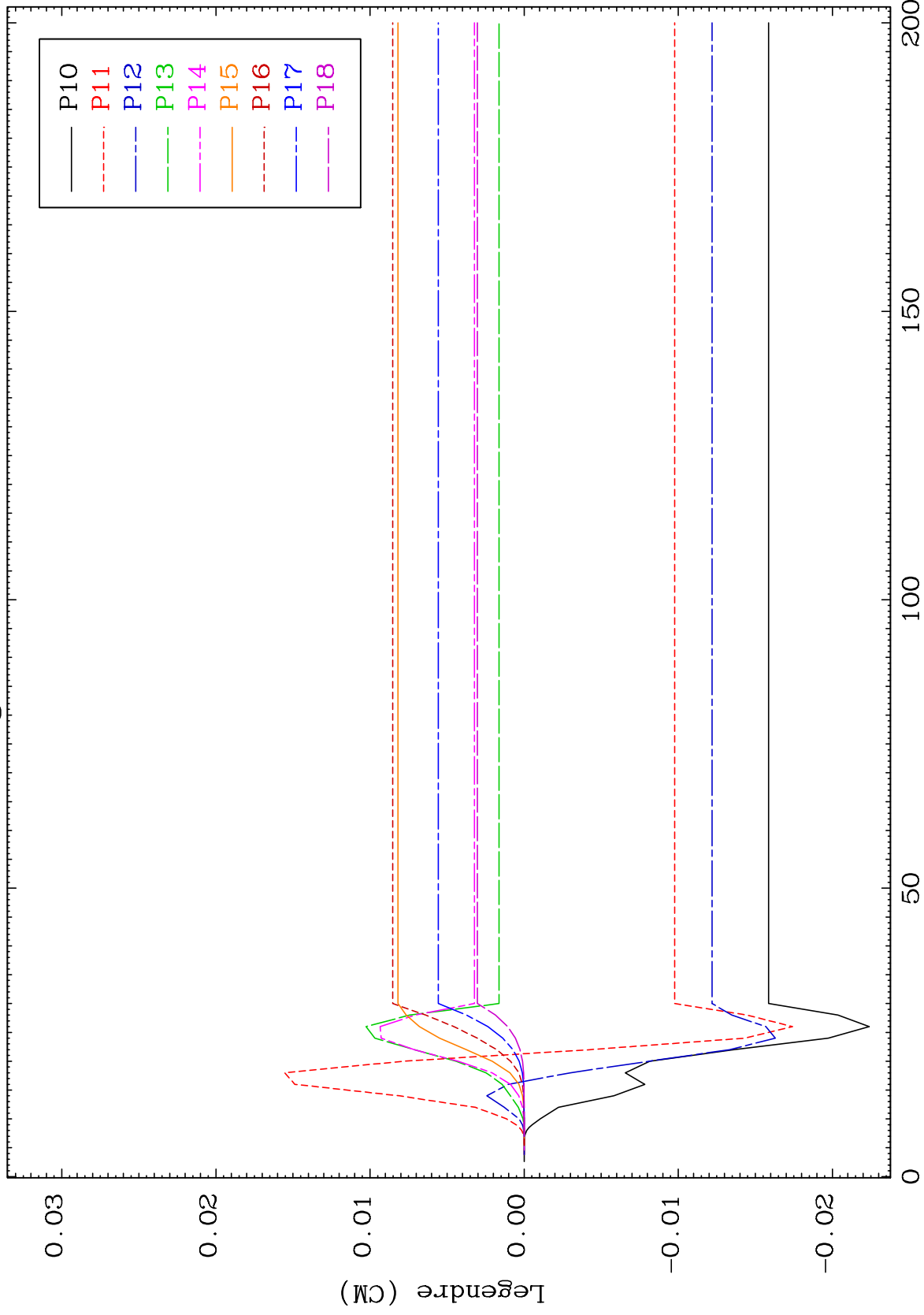
Incident Energy (MeV)

42

MAT 3437

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

34-Se-78



43

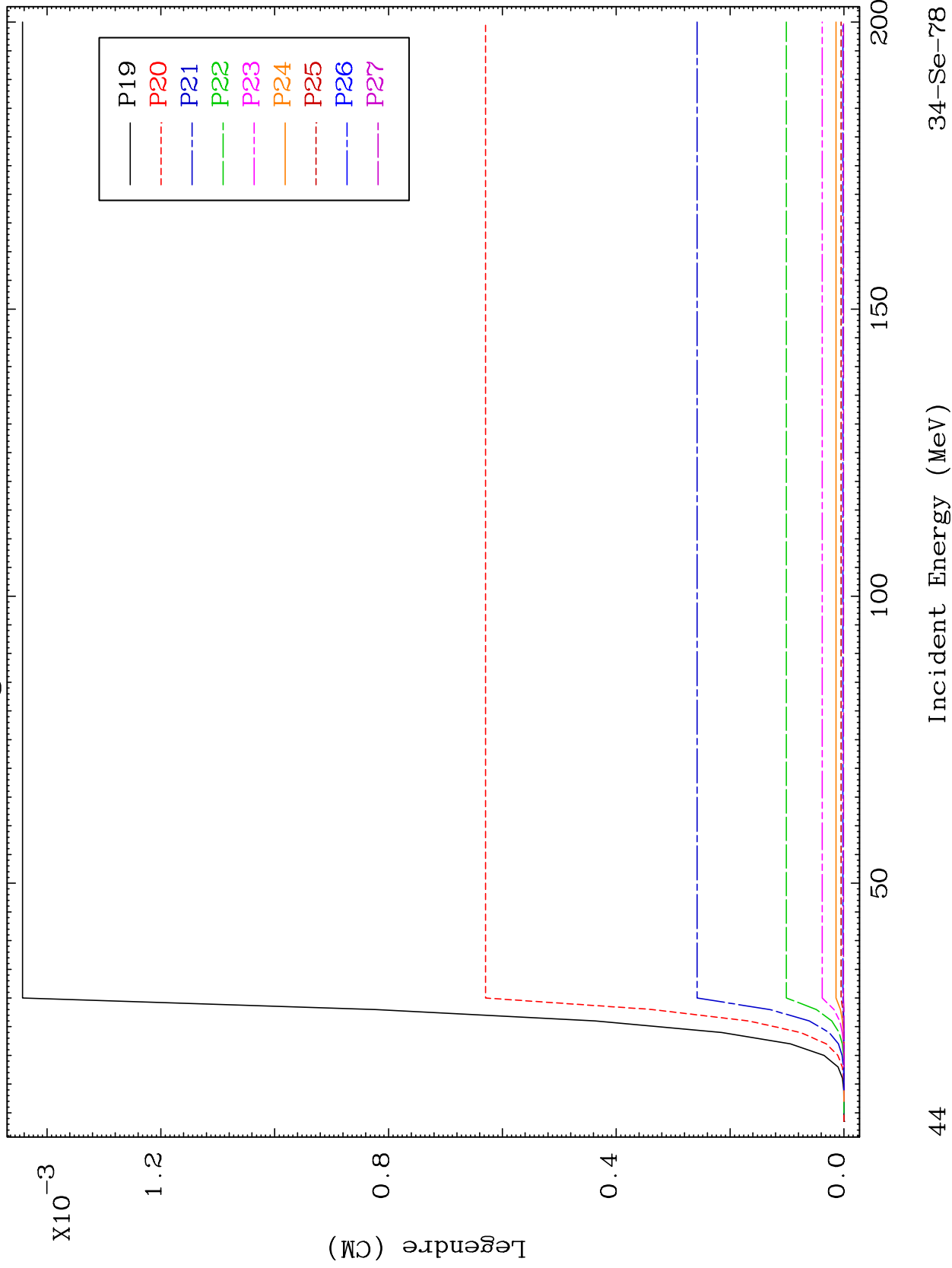
Incident Energy (MeV)

34-Se-78

MAT 3437

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

34-Se-78



44

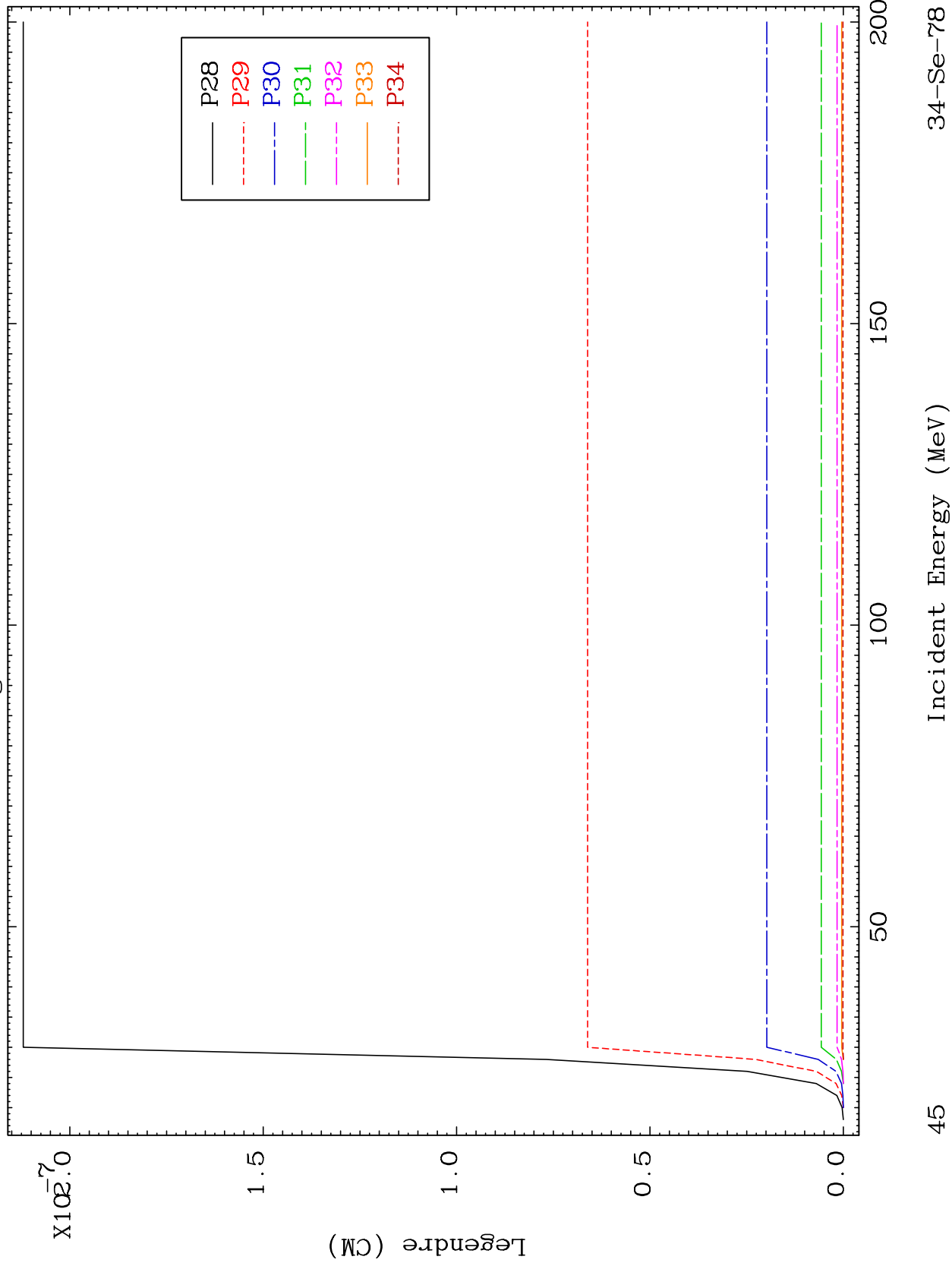
Incident Energy (MeV)

34-Se-78

MAT 3437

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

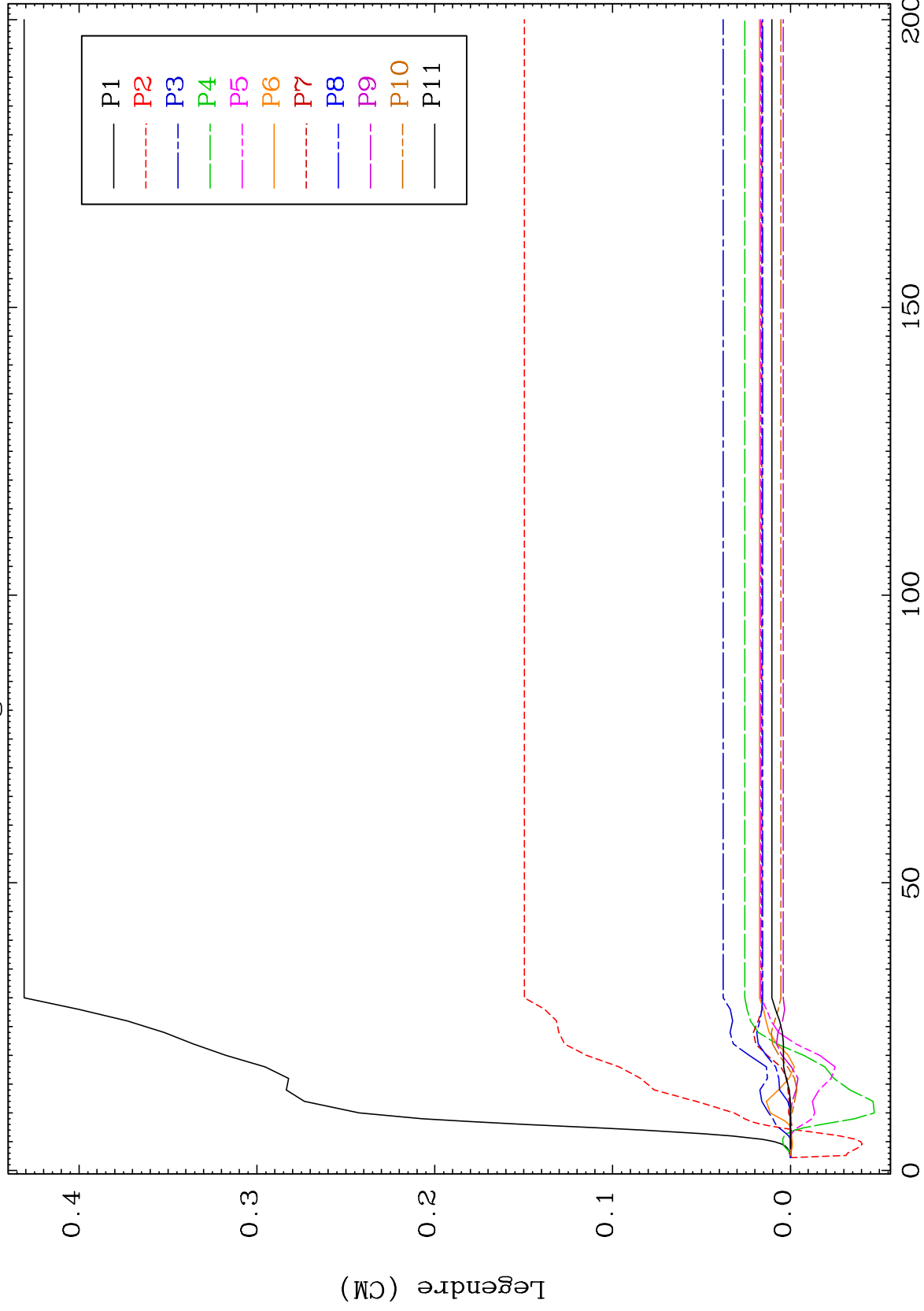
34-Se-78



MAT 3437

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

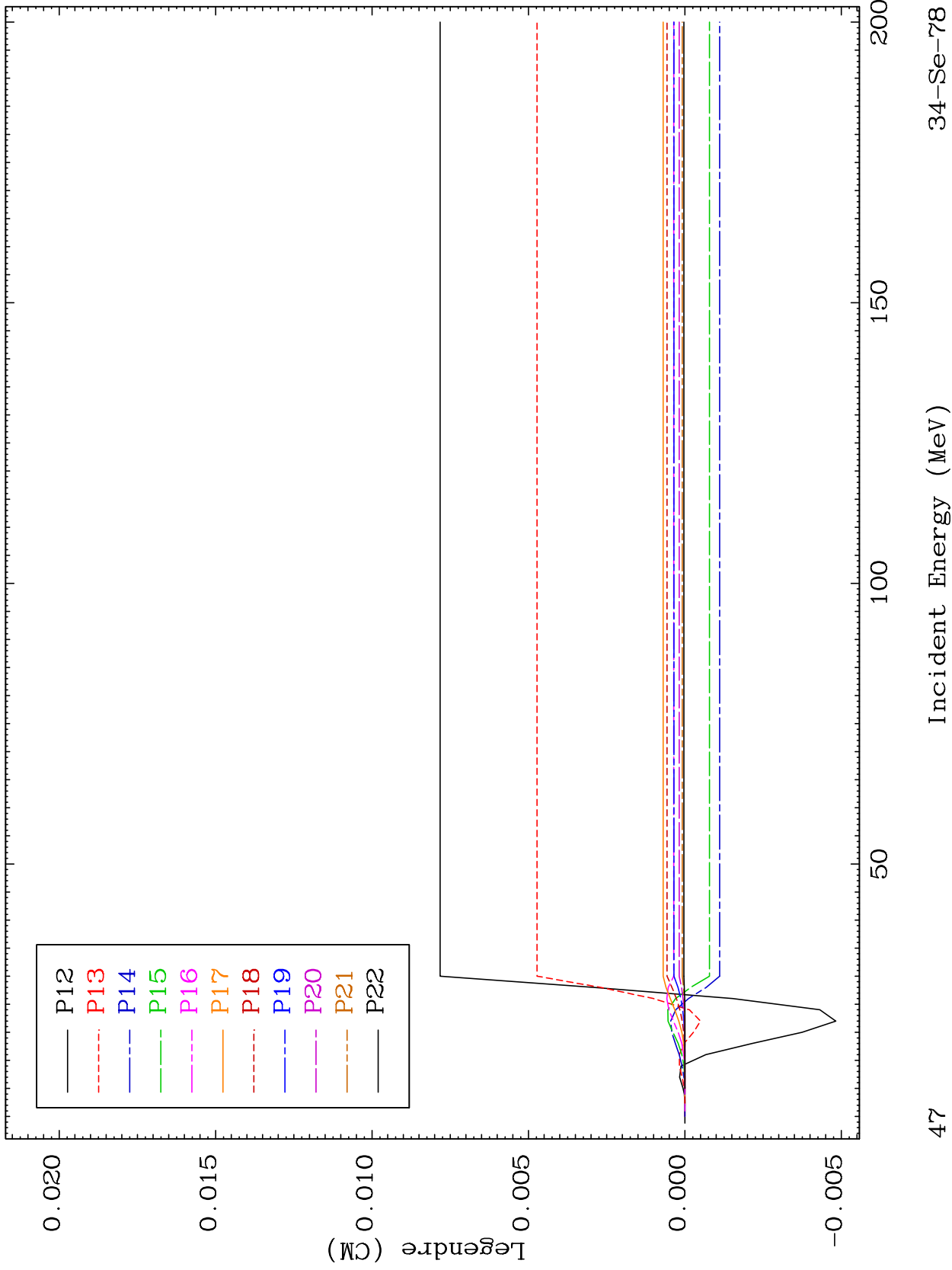
³⁴Se-78



46

Incident Energy (MeV)

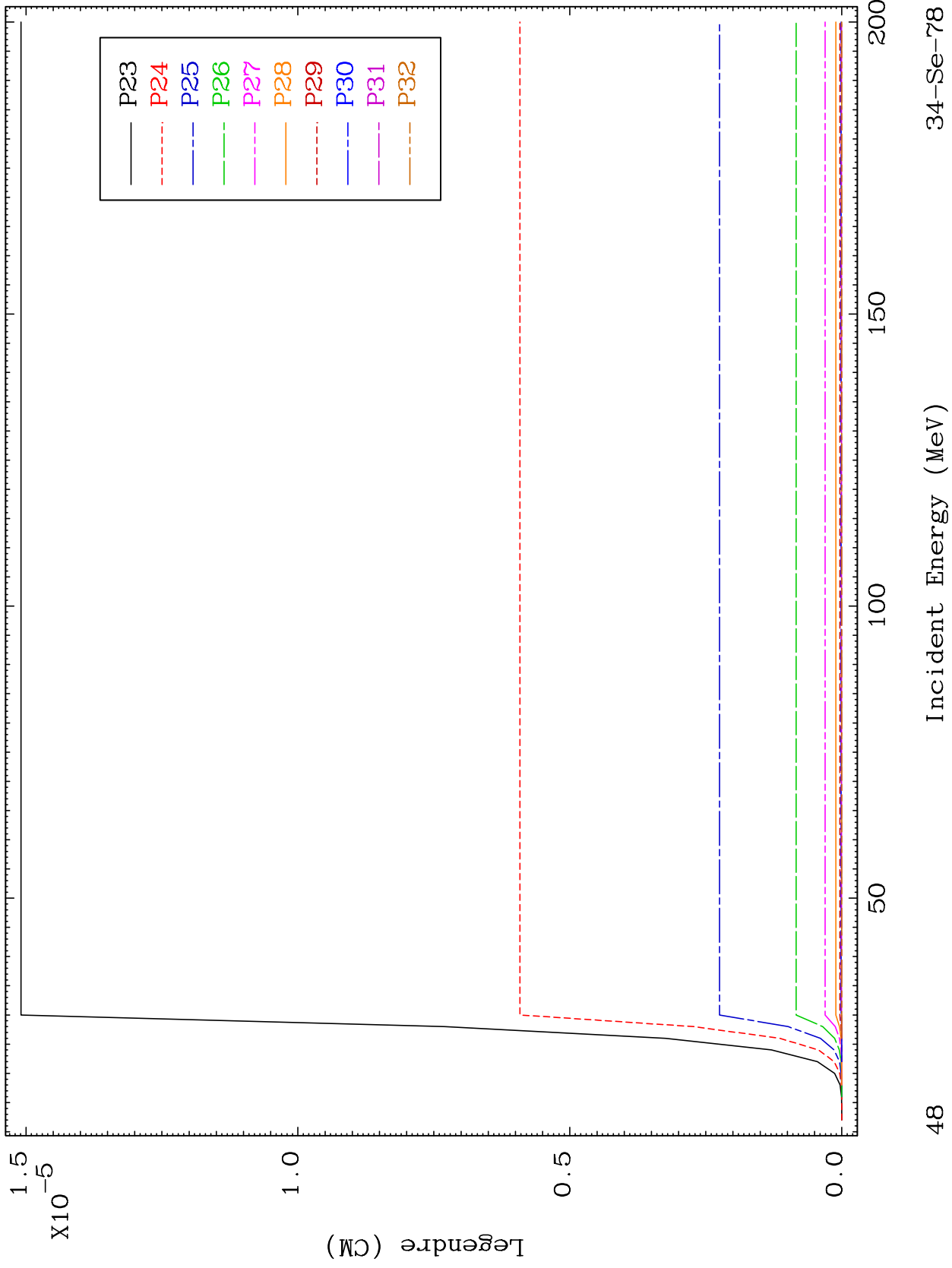
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MAT 3437

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

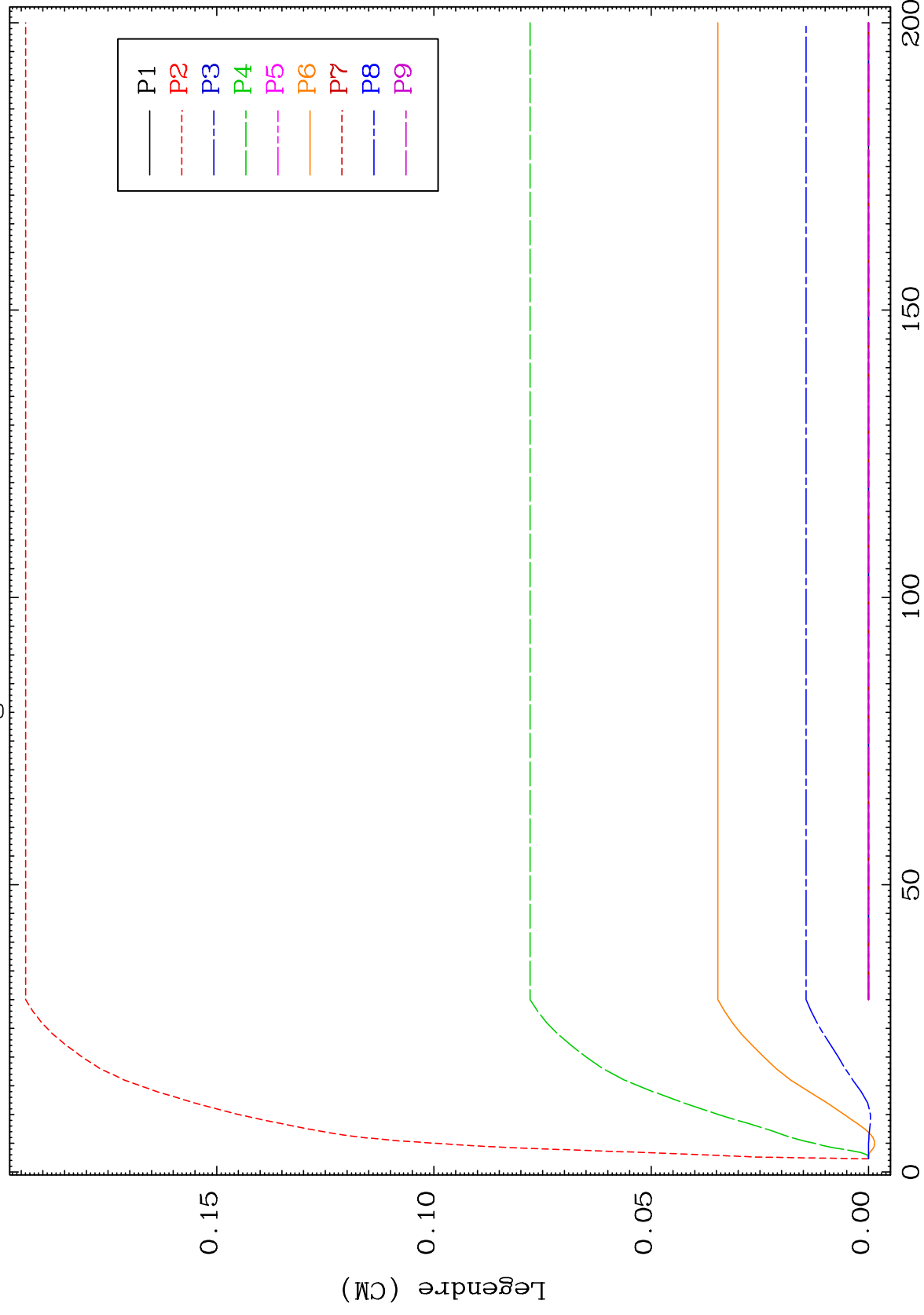
34-Se-78



MAT 3437

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

34-Se-78



49

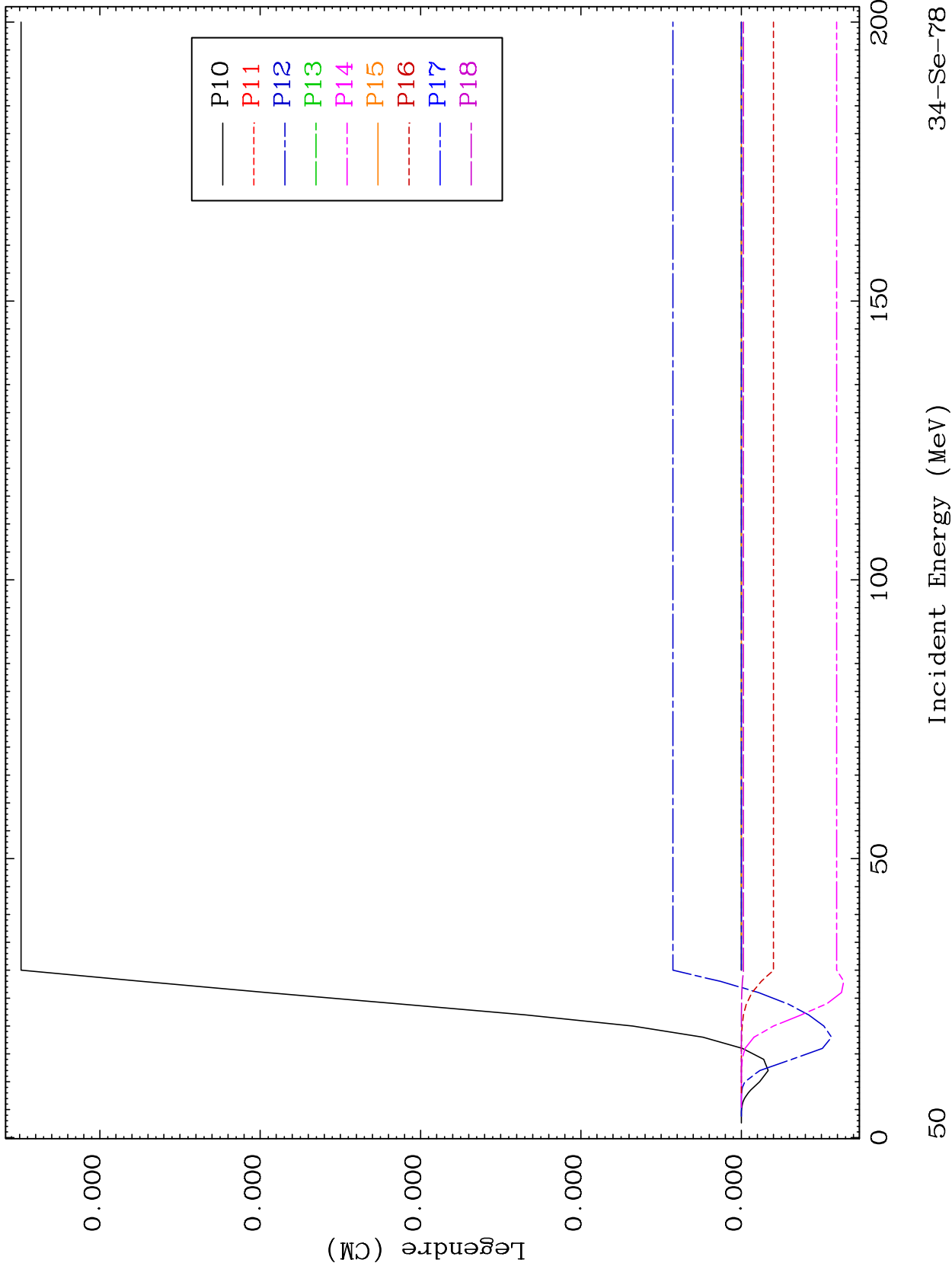
Incident Energy (MeV)

34-Se-78

MAT 3437

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

³⁴Se-78

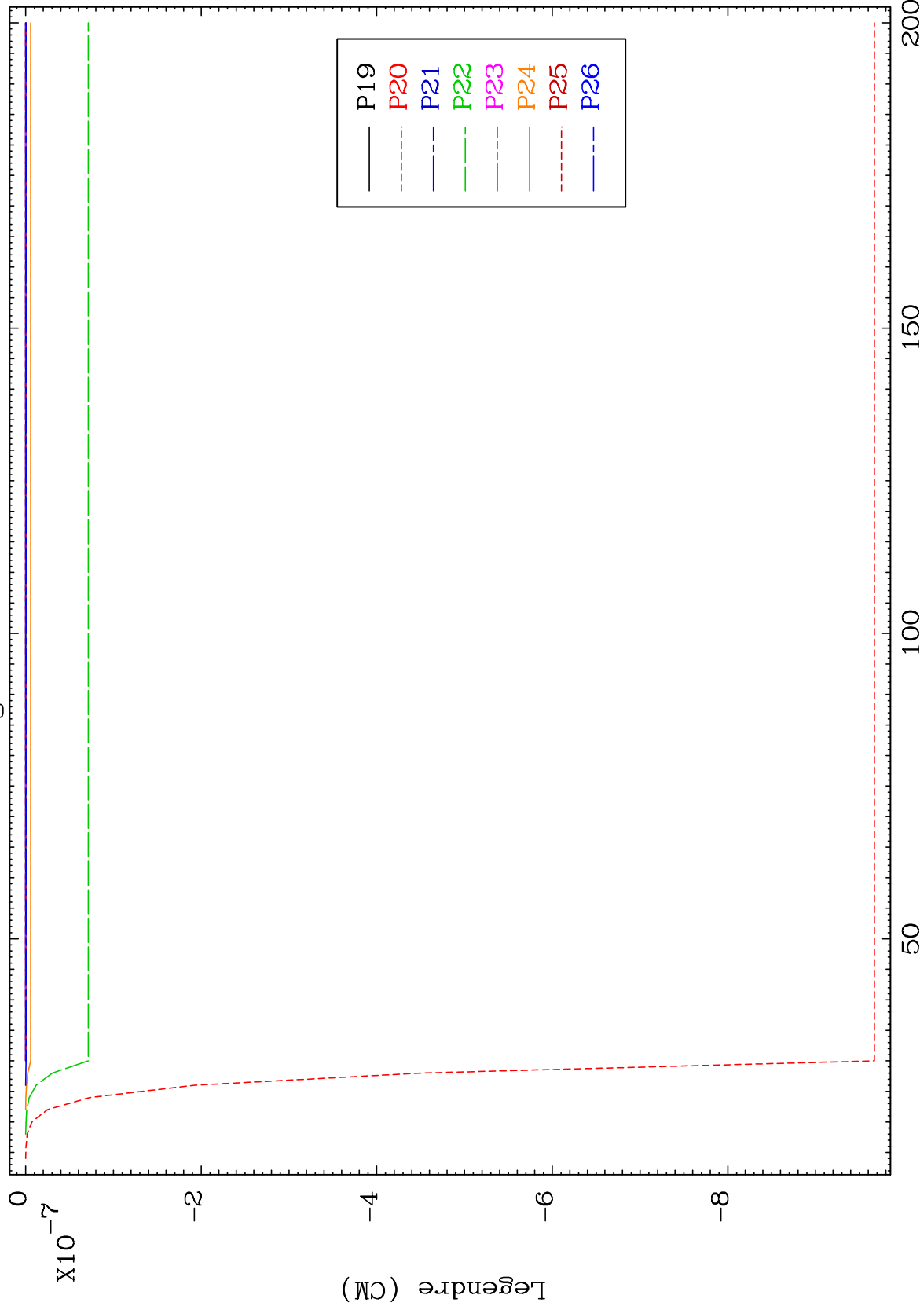


³⁴Se-78

MAT 3437

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

34-Se-78



51

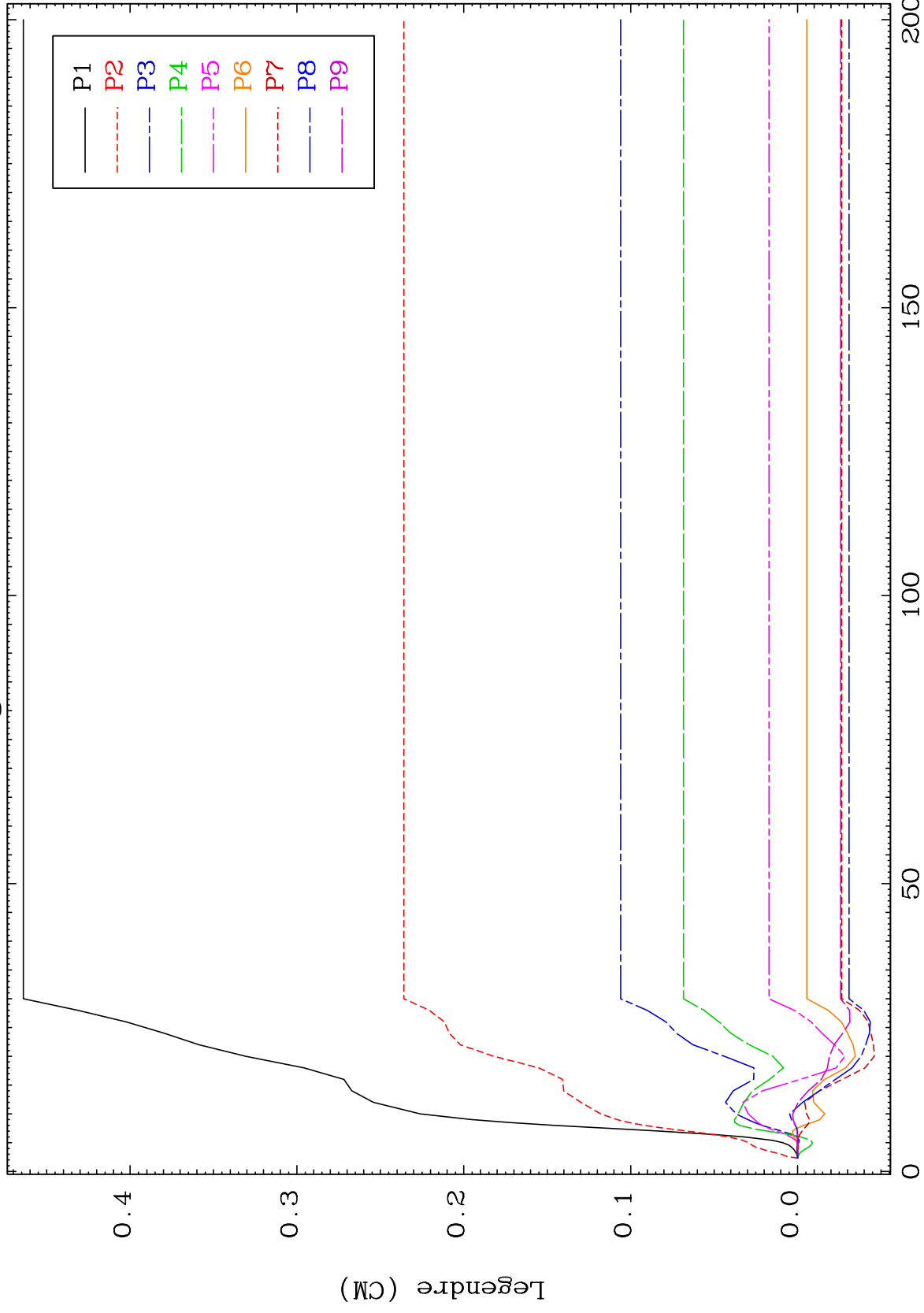
Incident Energy (MeV)

34-Se-78

MAT 3437

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

³⁴Se-78



52

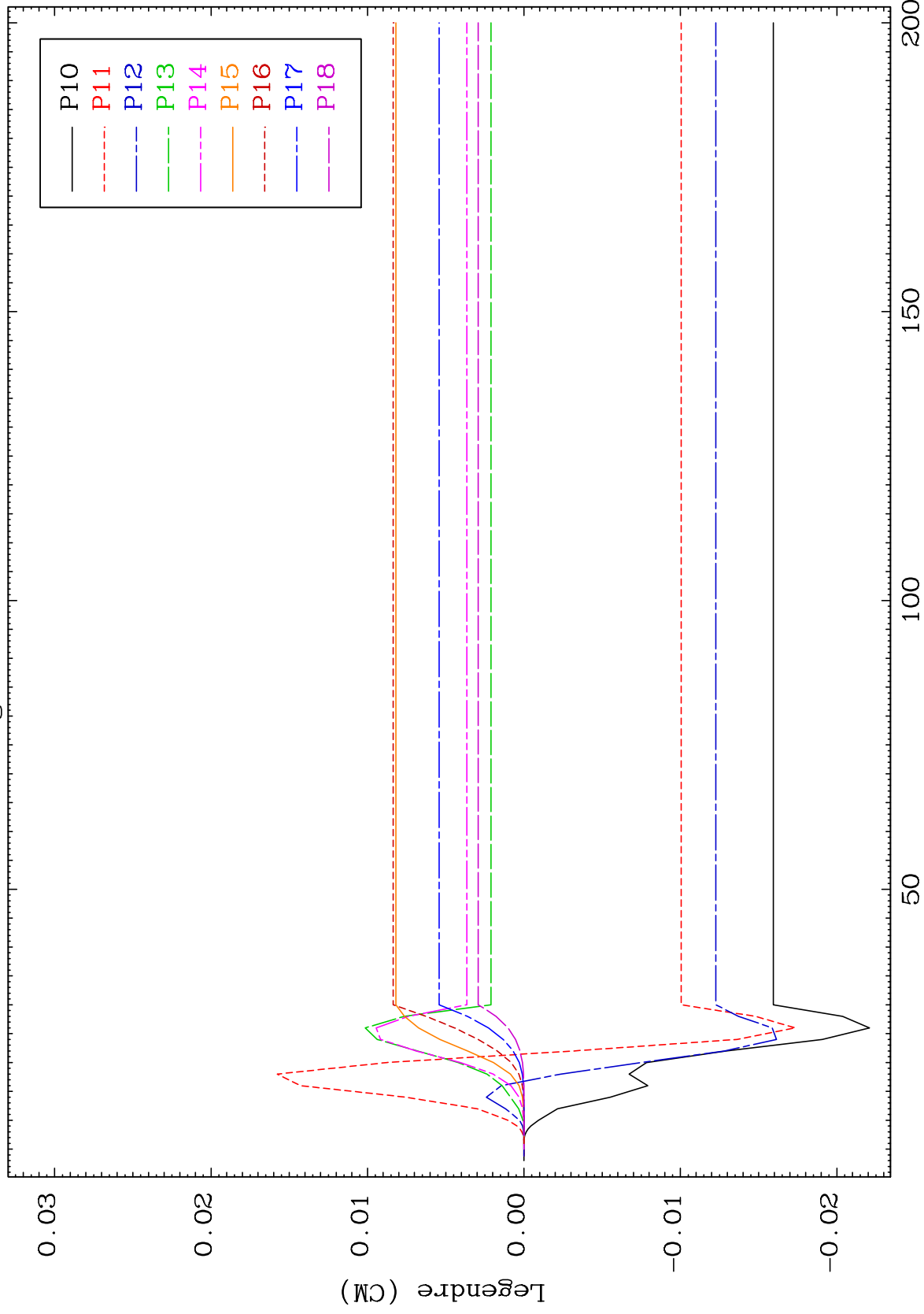
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78



53

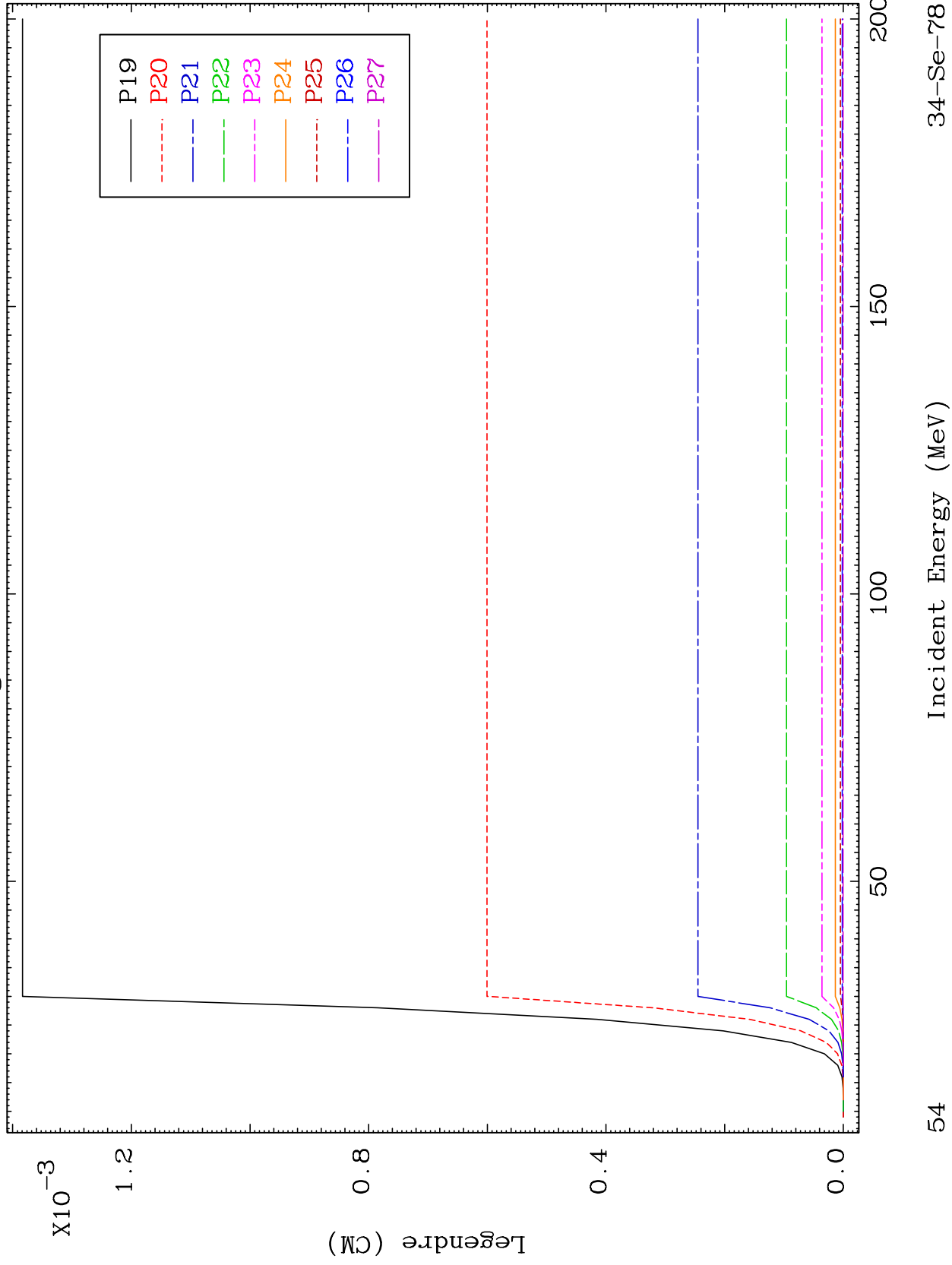
Incident Energy (MeV)

34-Se-78

MAT 3437

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

34-Se-78



54

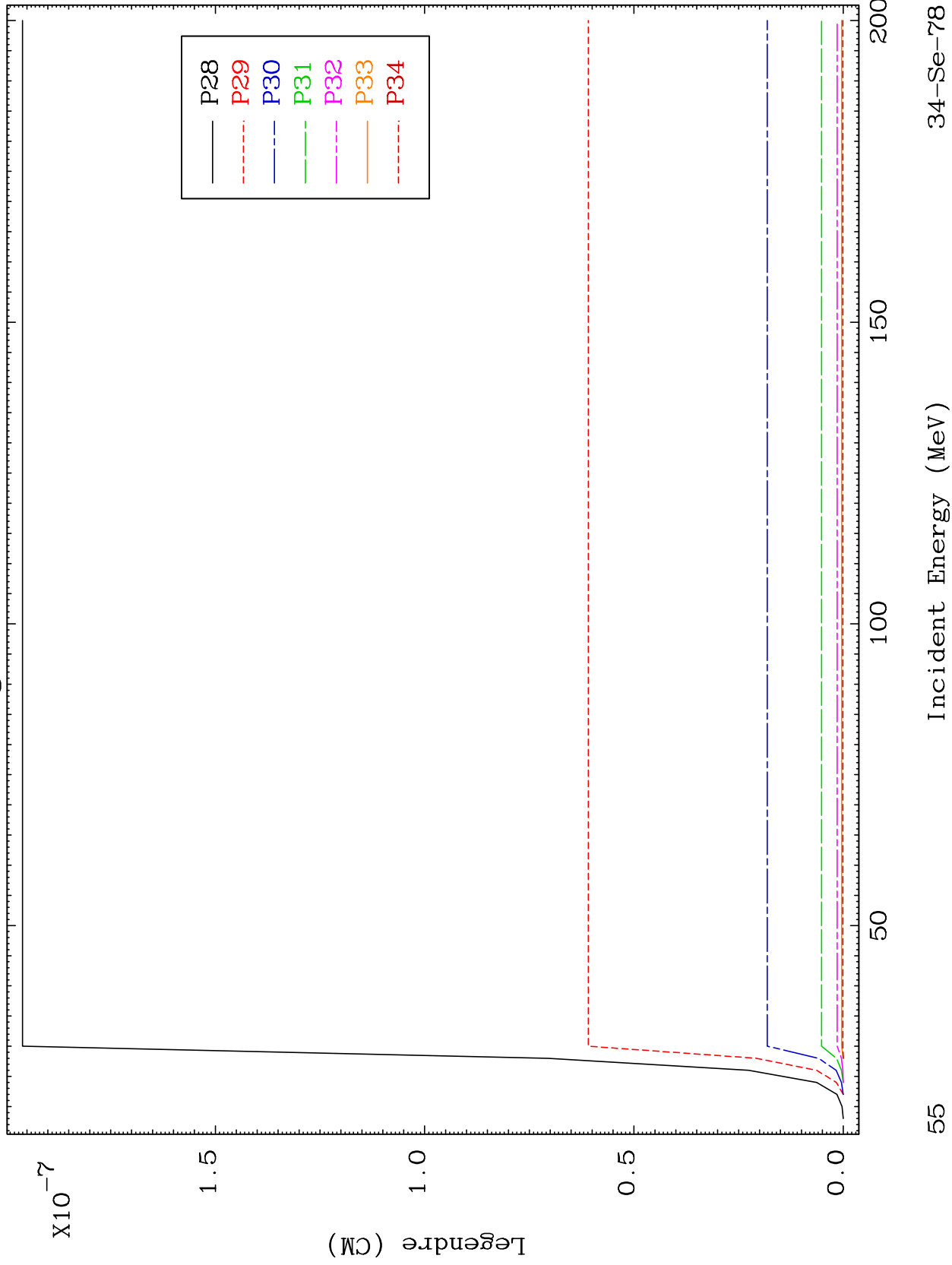
Incident Energy (MeV)

34-Se-78

MAT 3437

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

34-Se-78



55

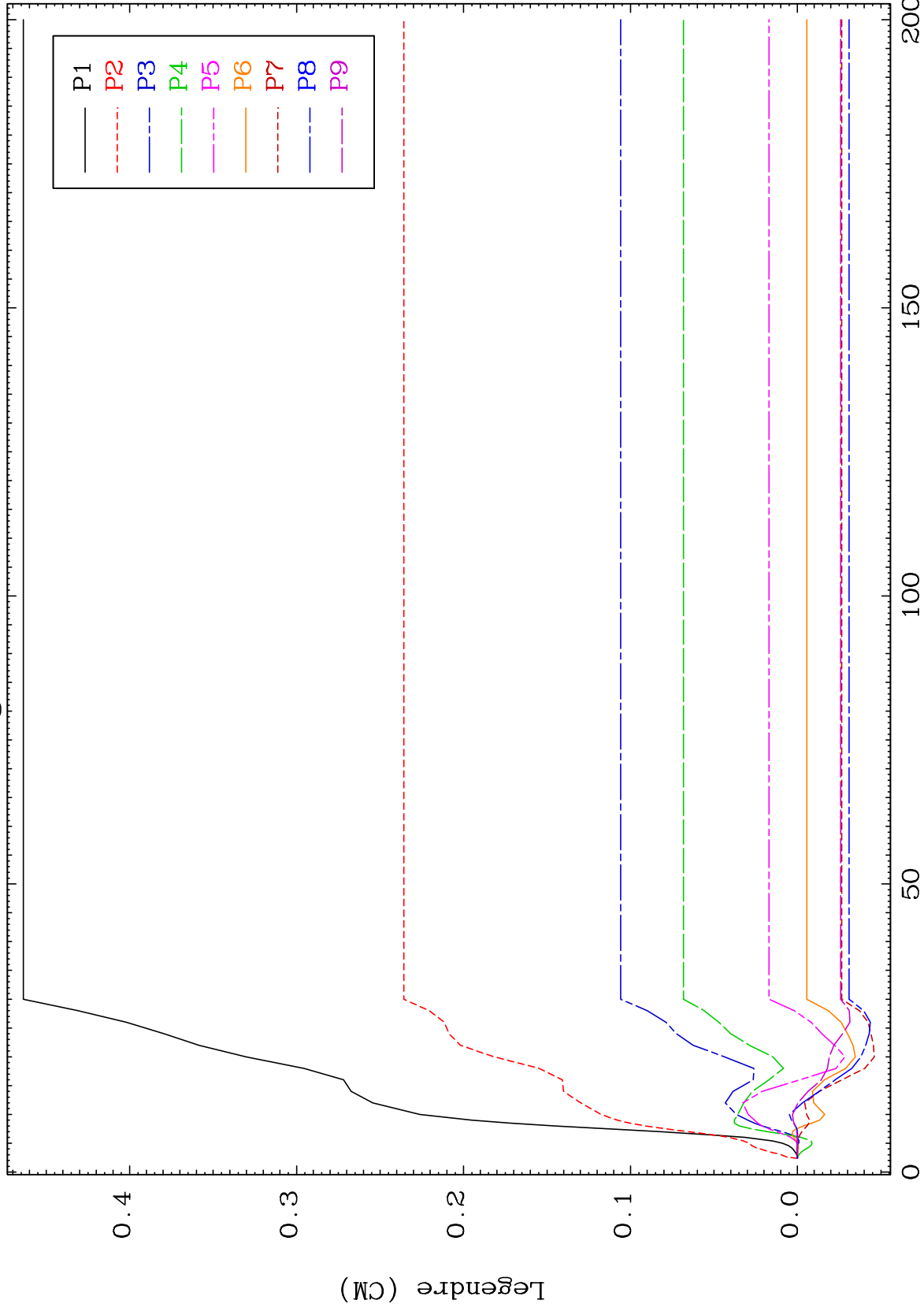
Incident Energy (MeV)

34-Se-78

MAT 3437

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

³⁴Se-78



56

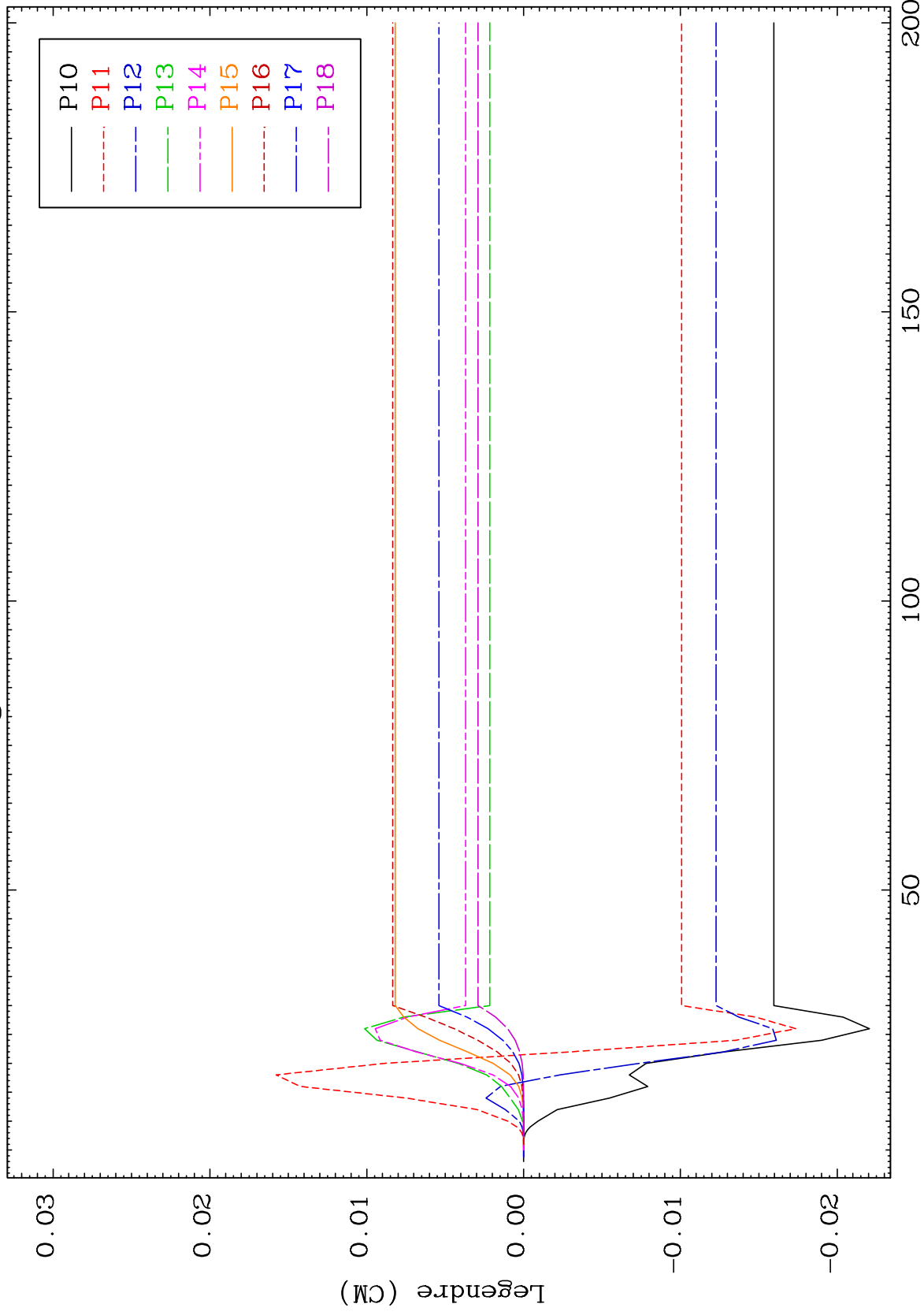
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

³⁴Se-78



57

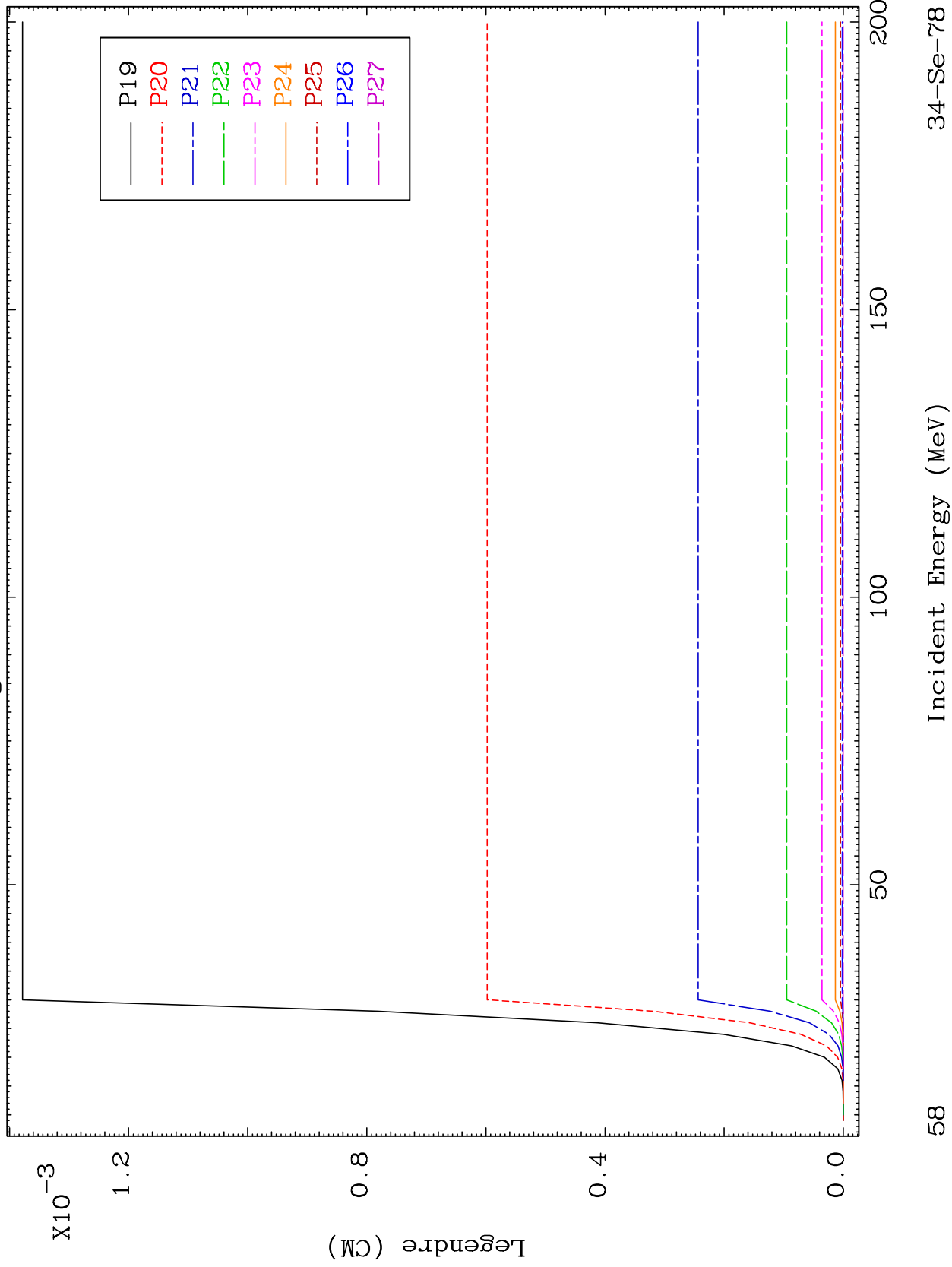
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78



58

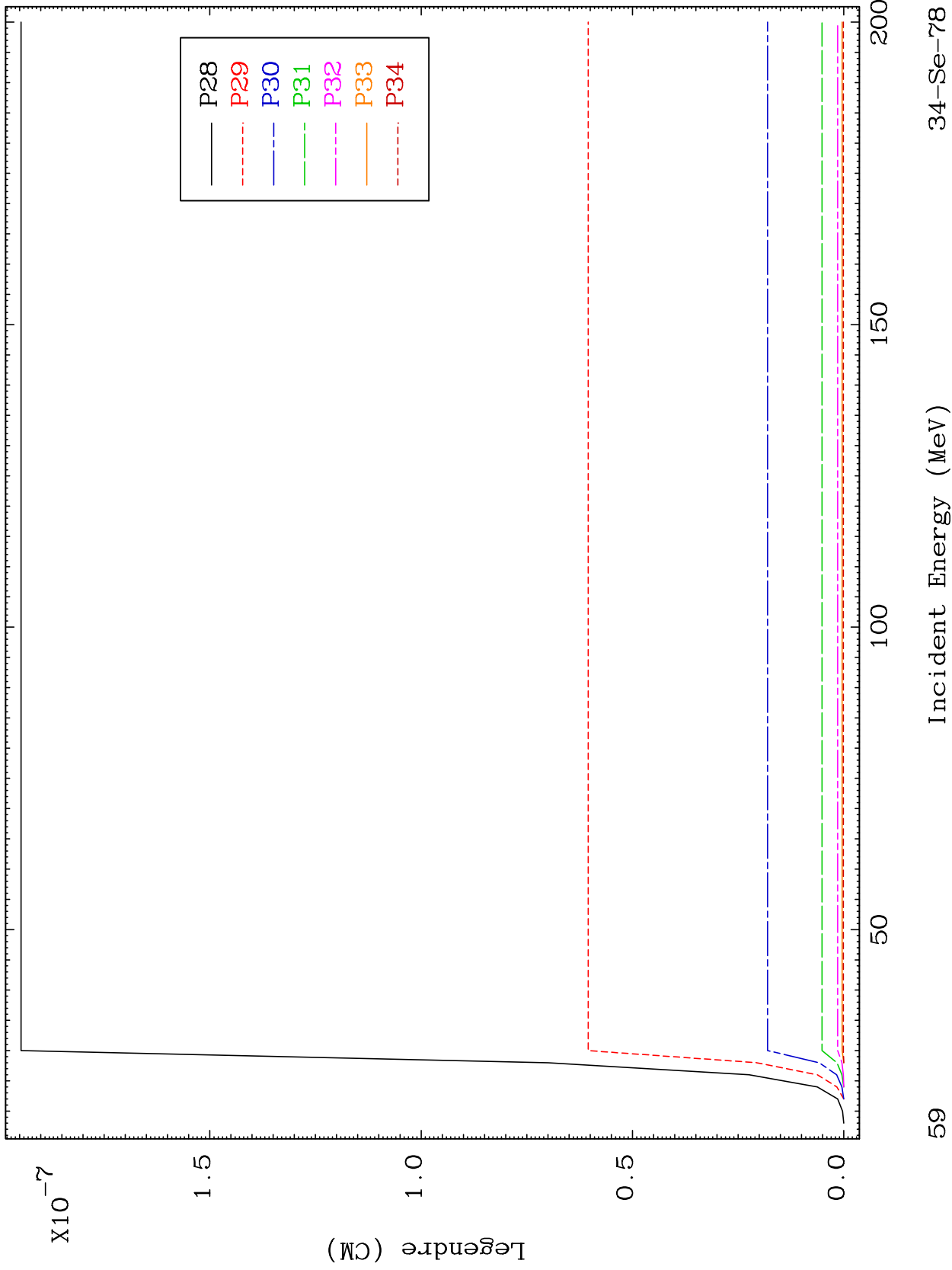
Incident Energy (MeV)

34-Se-78

MAT 3437

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

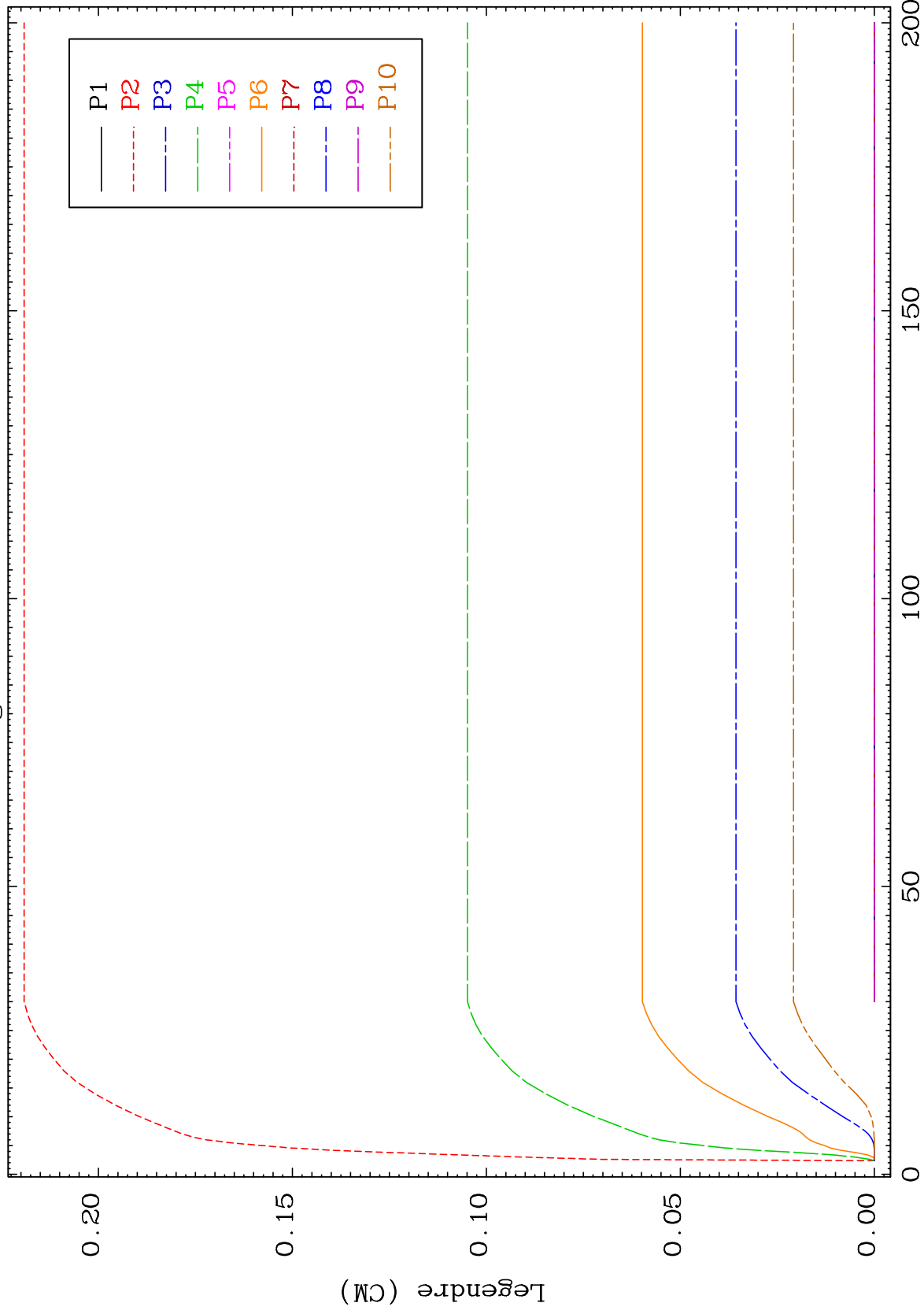
34-Se-78



MAT 3437

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

³⁴Se-78



³⁴Se-78

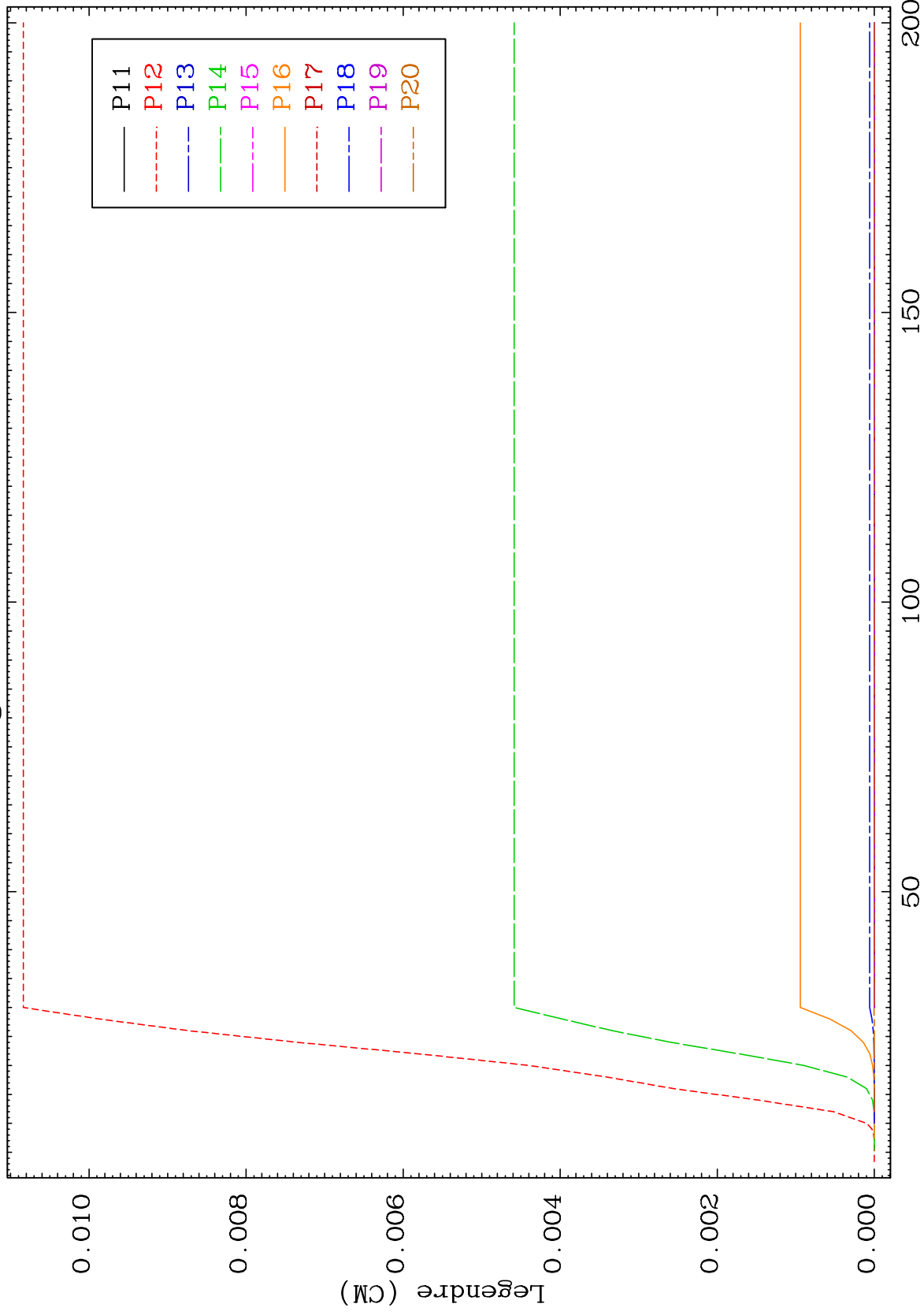
Incident Energy (MeV)

60

MAT 3437

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

34-Se-78



61

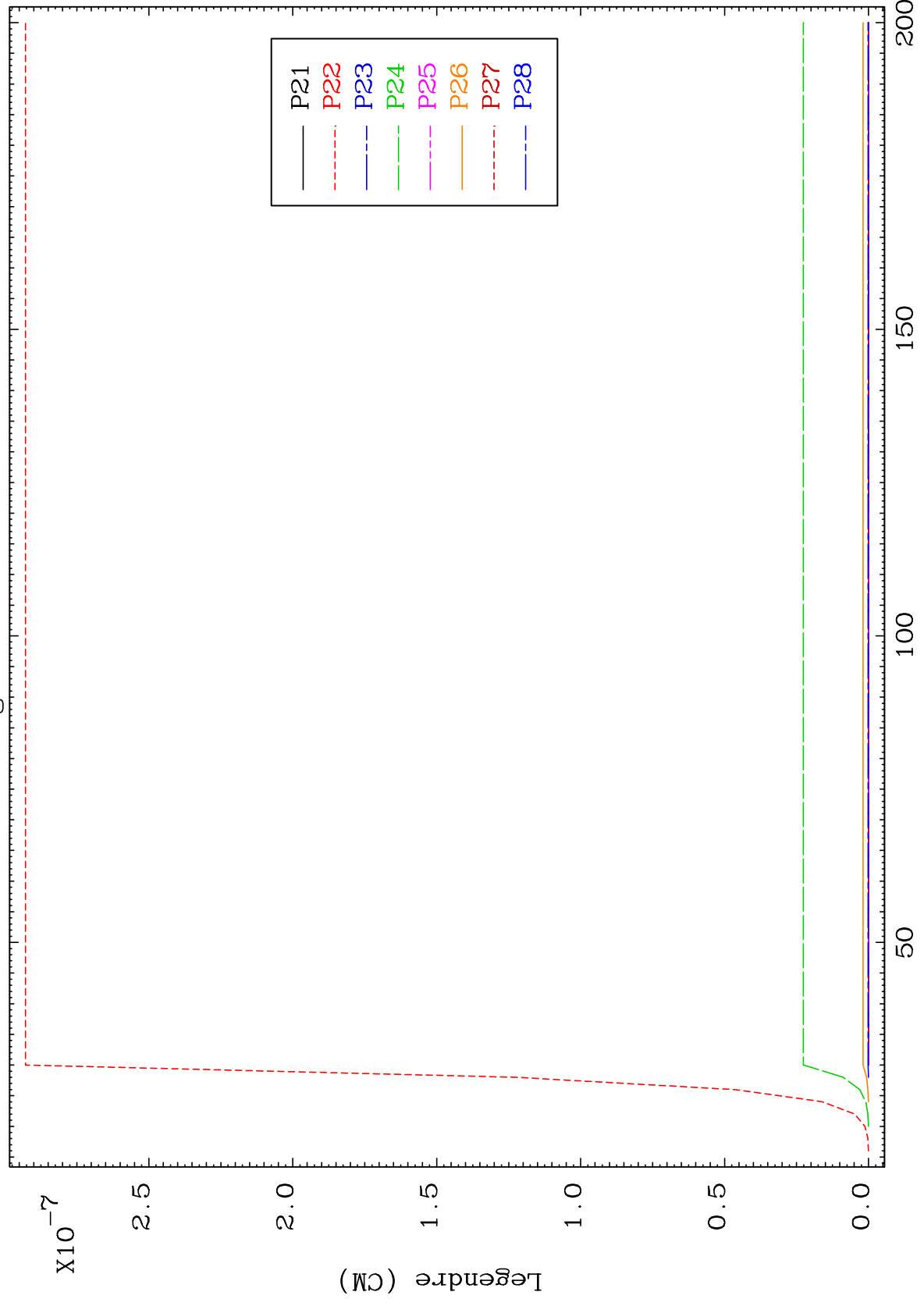
Incident Energy (MeV)

34-Se-78

MAT 3437

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

34-Se-78



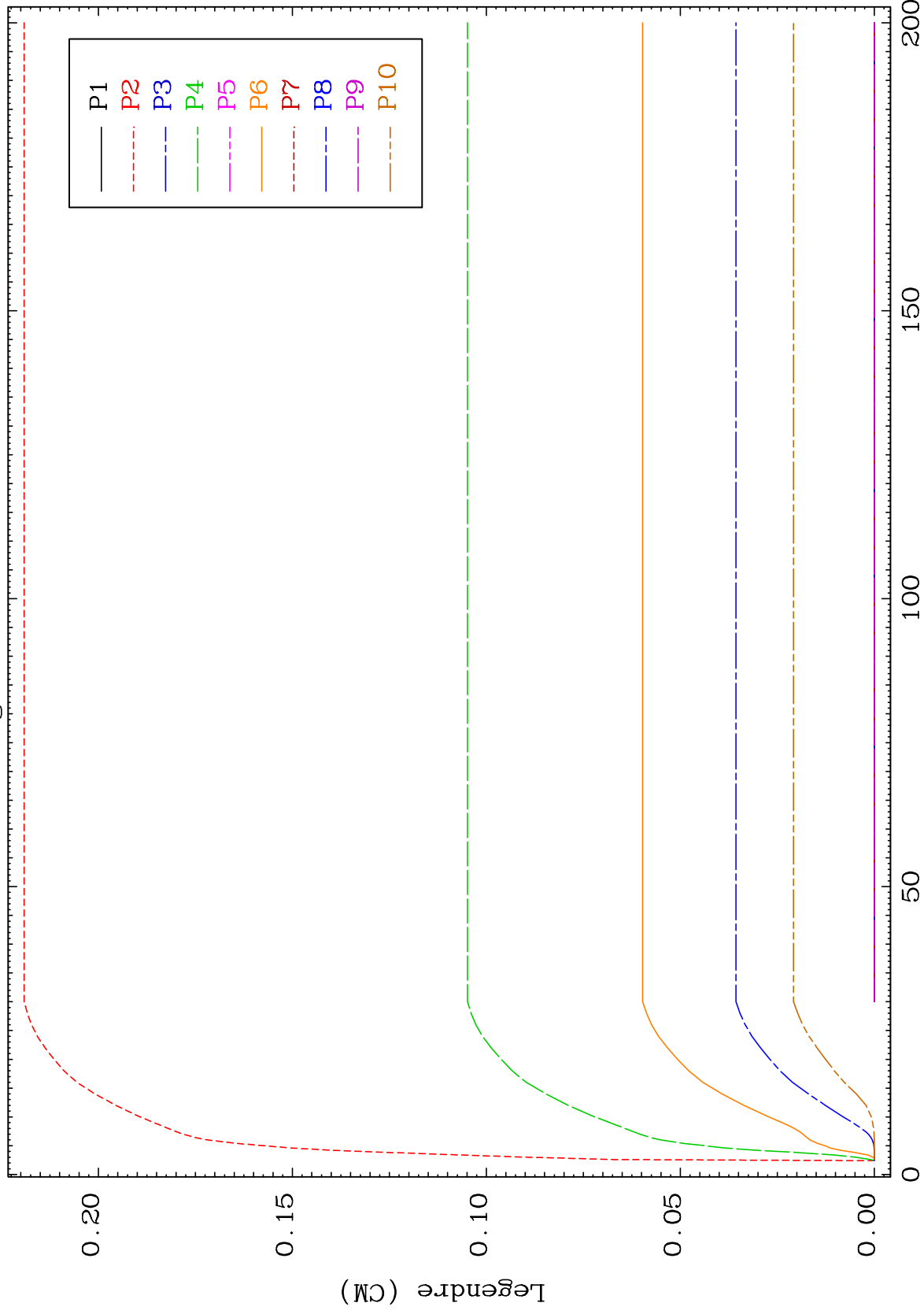
62

34-Se-78

MAT 3437

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

³⁴Se-78



63

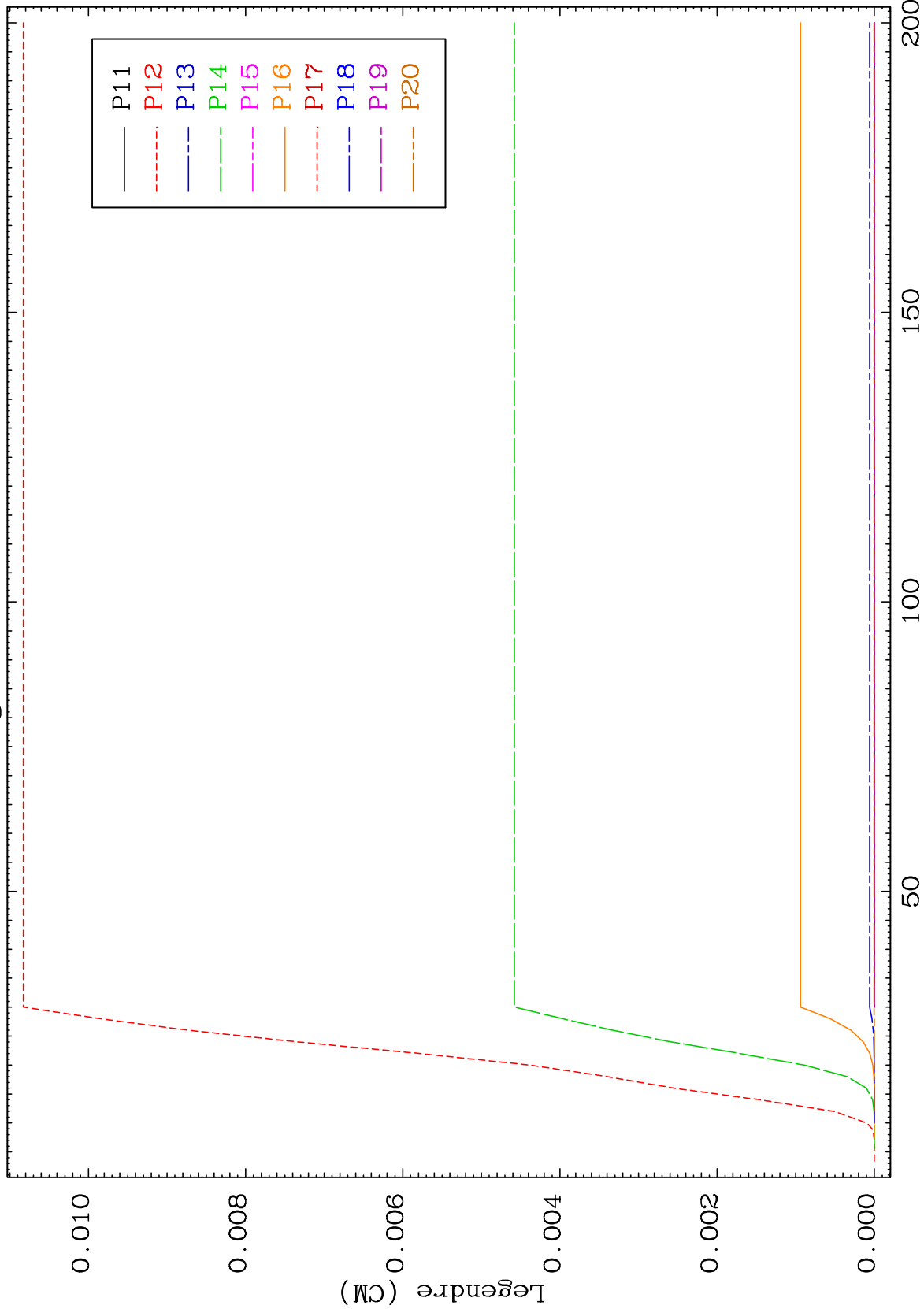
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

³⁴Se-78



64

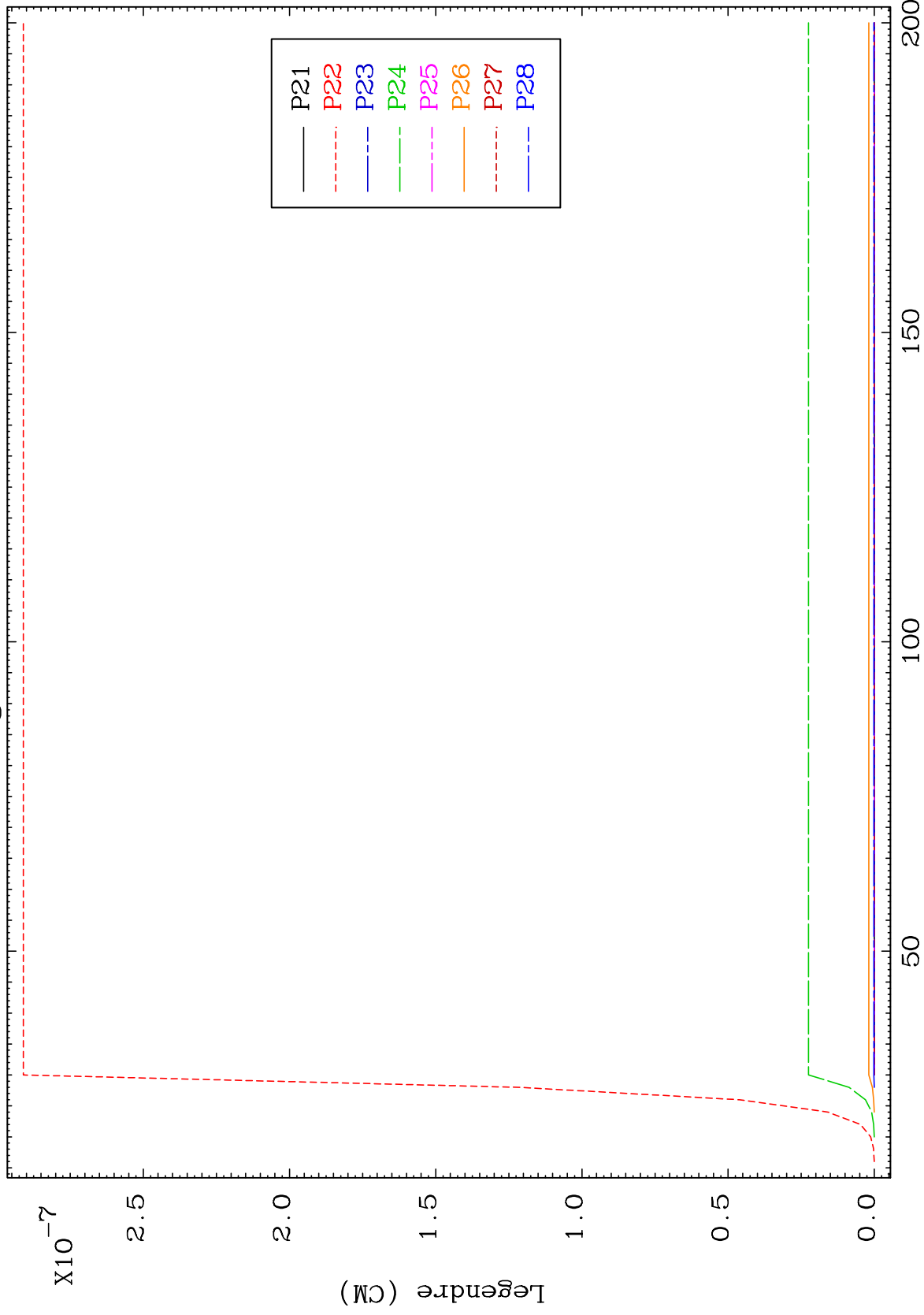
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78



65

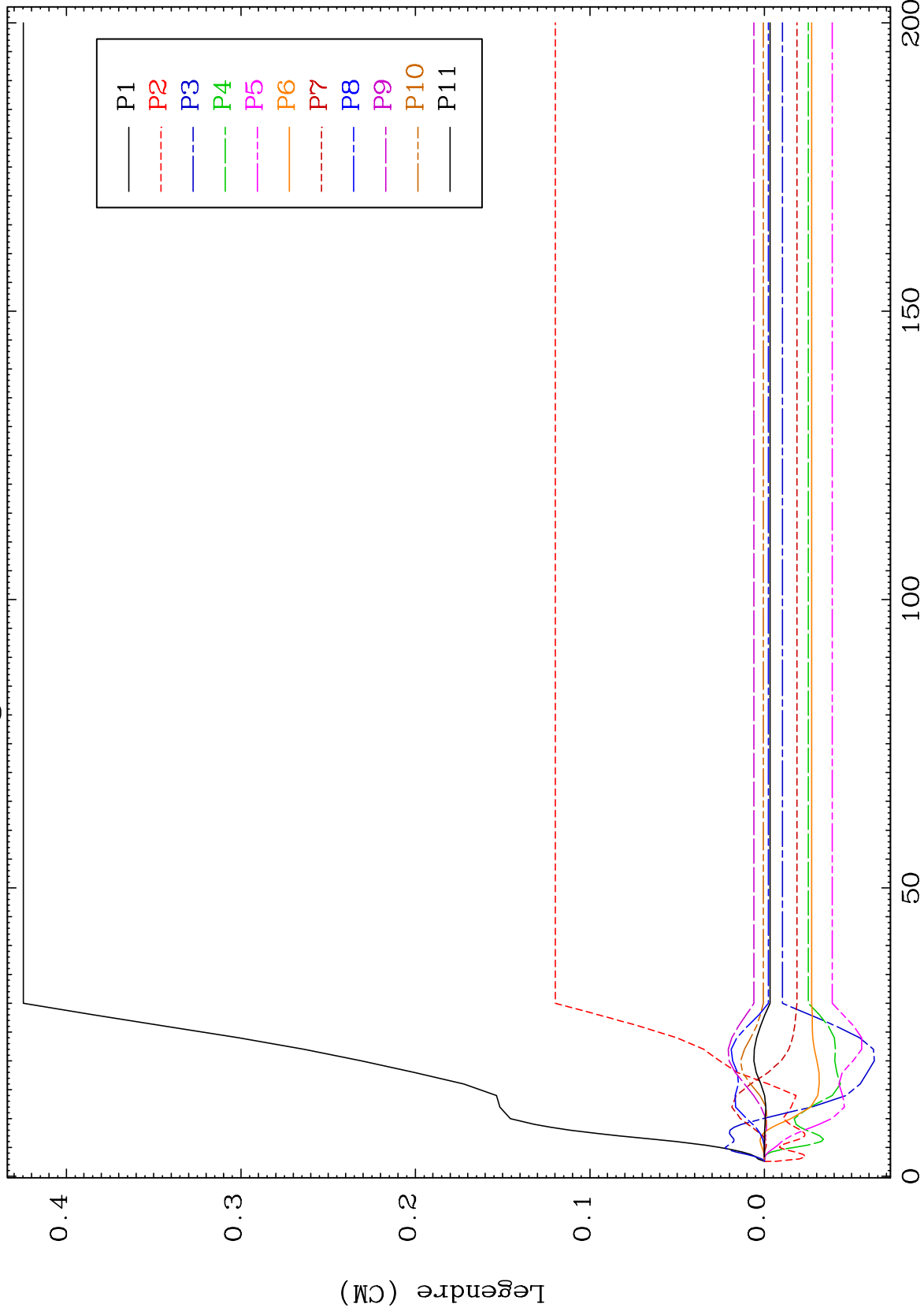
Incident Energy (MeV)

34-Se-78

MAT 3437

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

³⁴Se-78



66

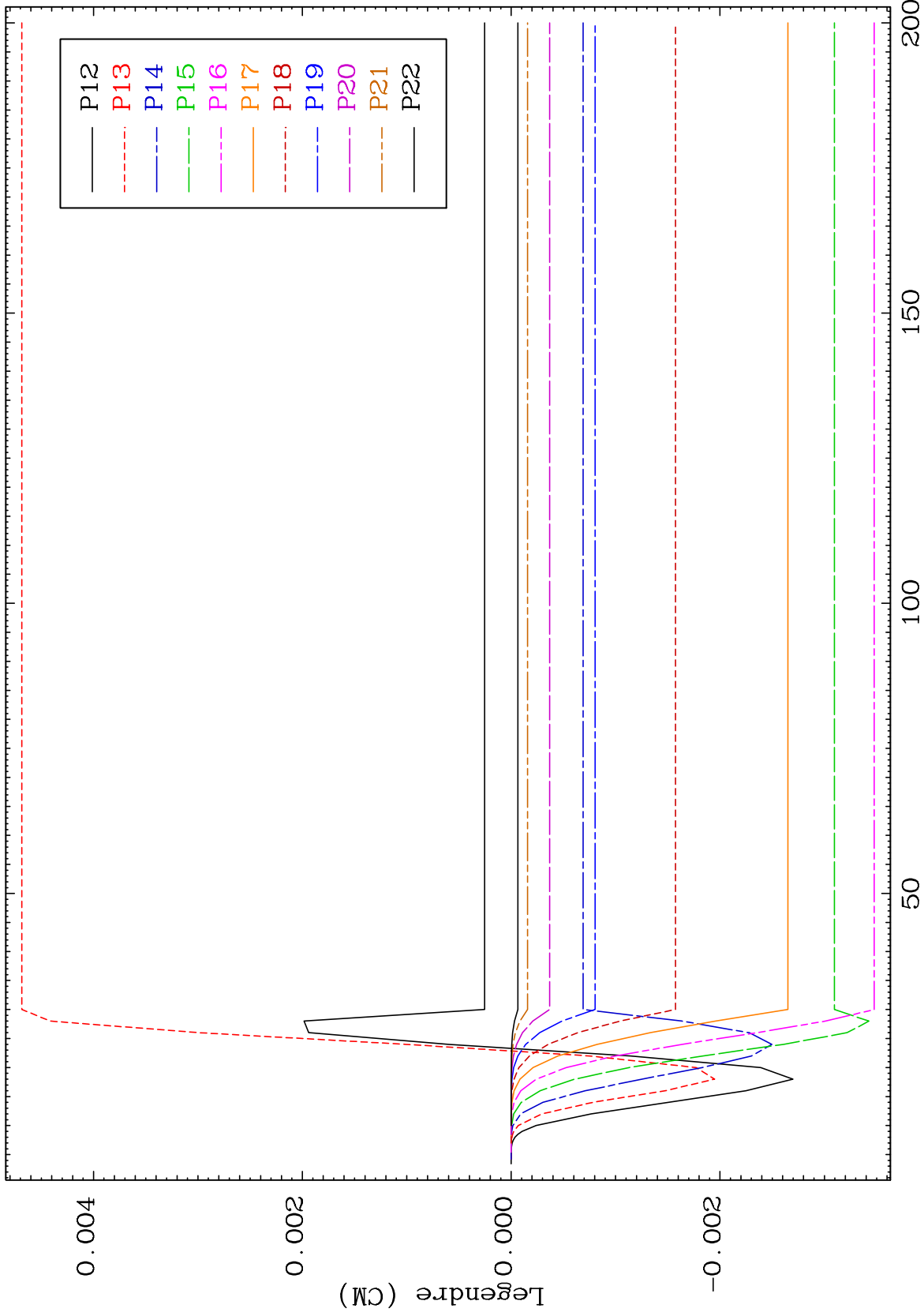
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78



67

Incident Energy (MeV)

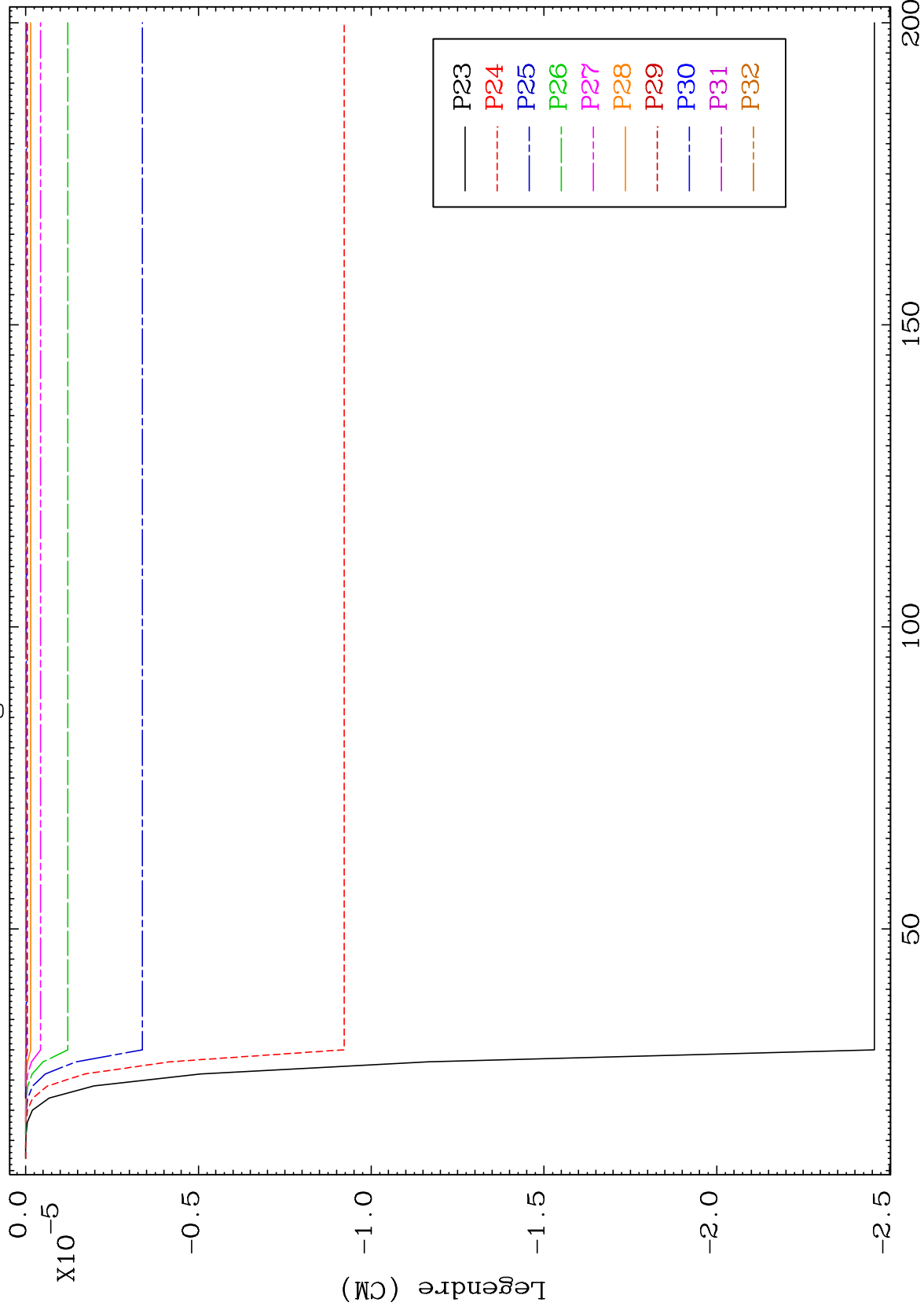
34-Se-78

MAT 3437

MT= 64 (n,n') Level

³⁴Se-78

Legendre Coefficients



68

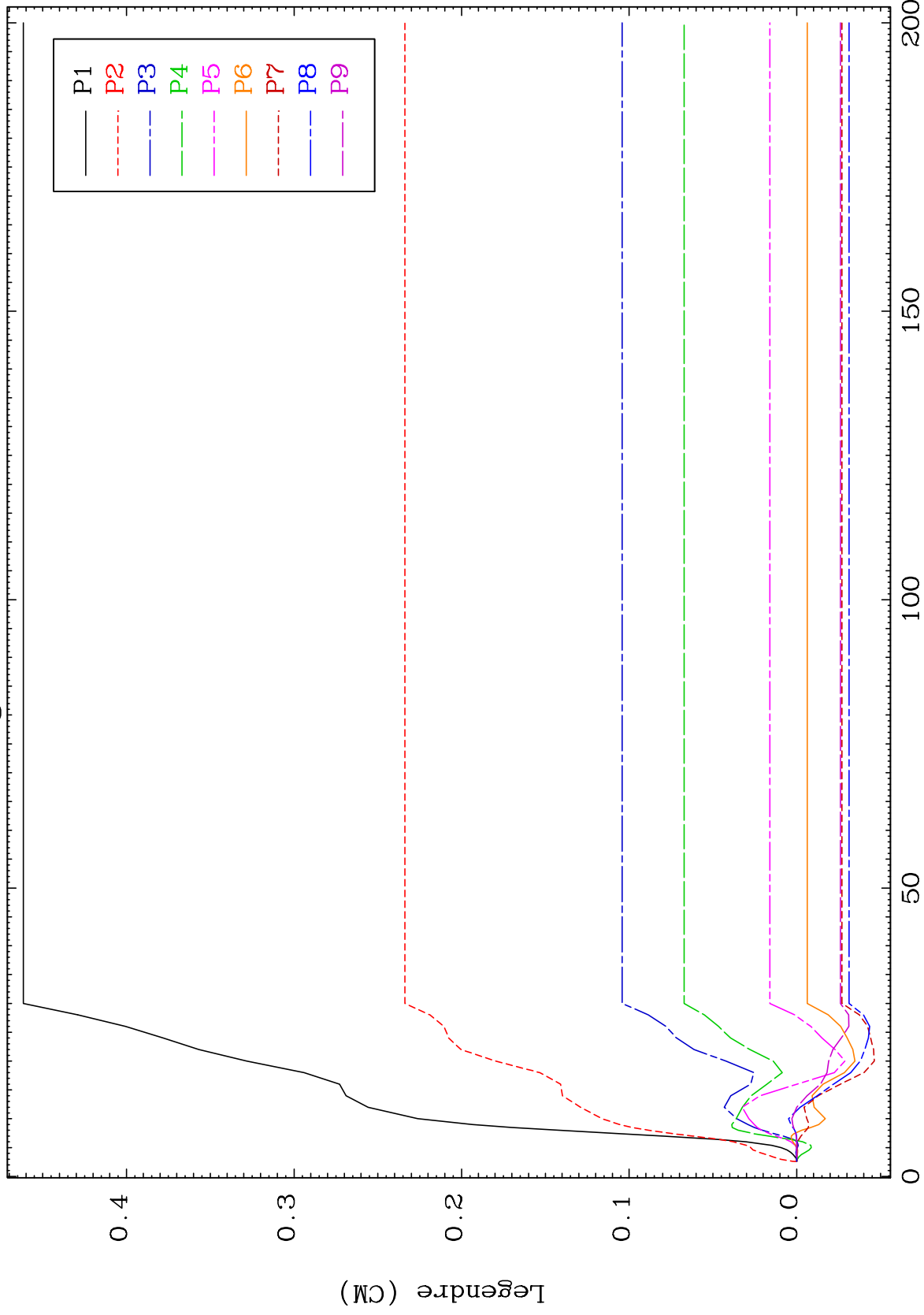
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

³⁴Se-78



69

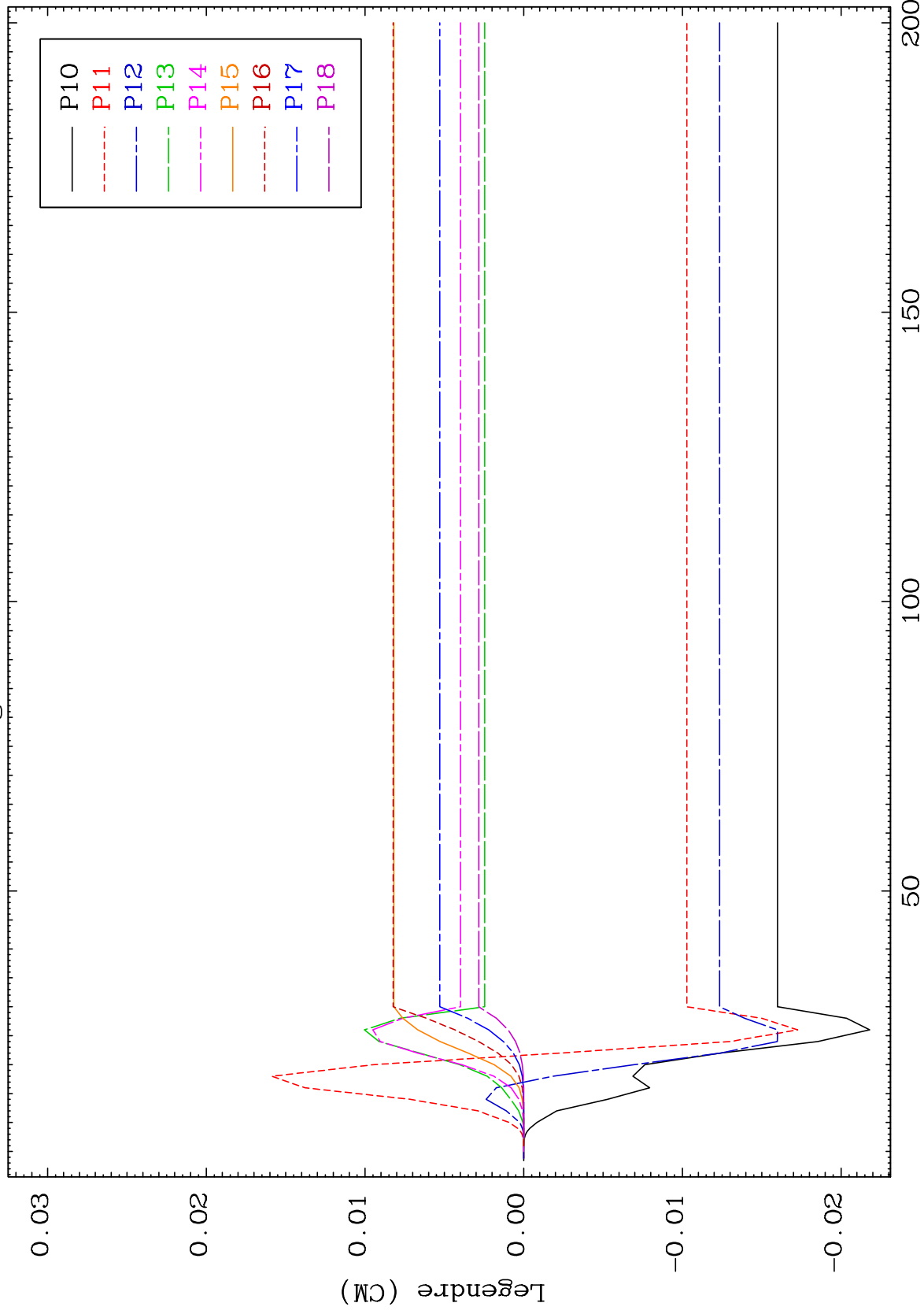
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

³⁴Se-78



70

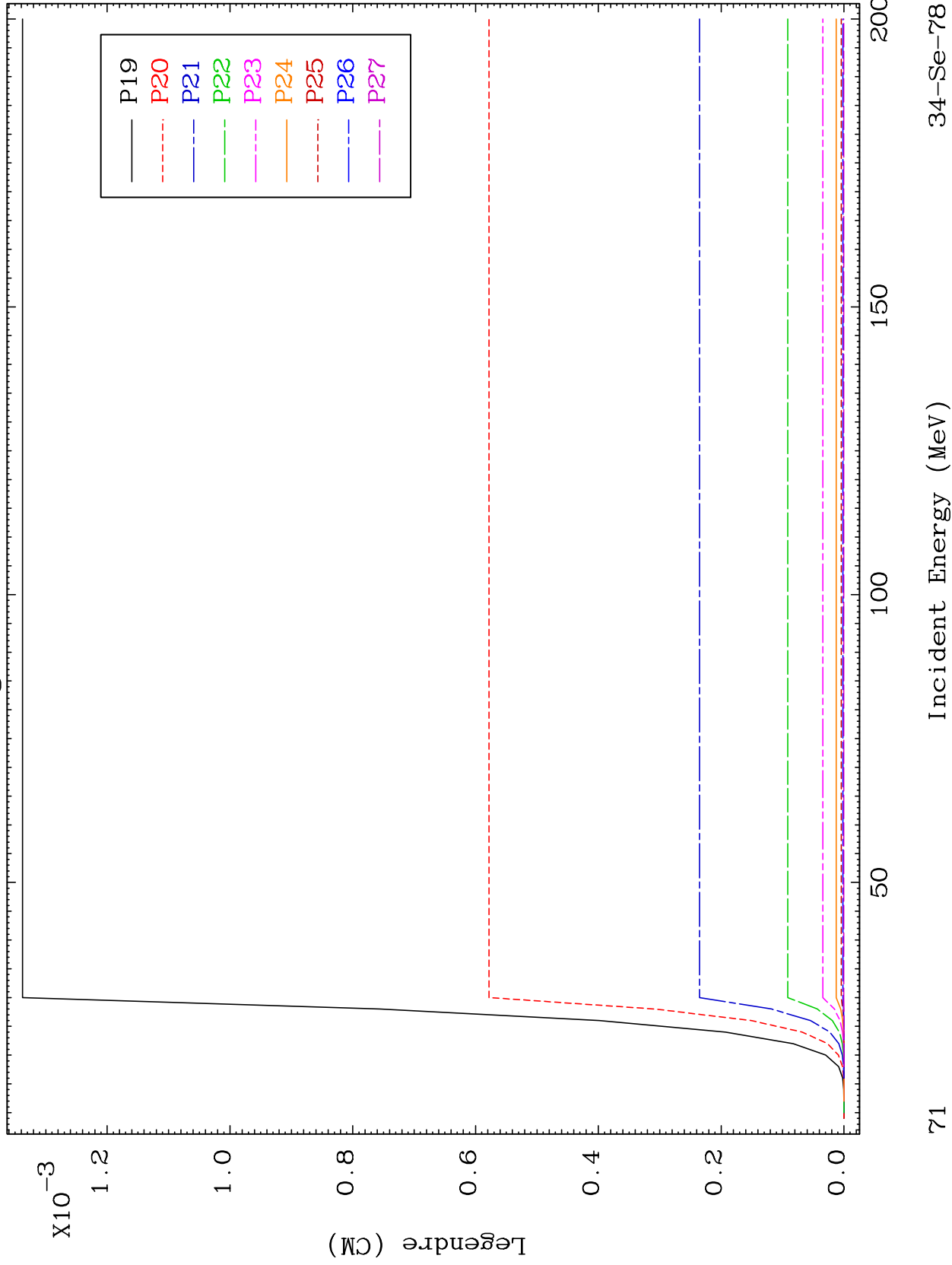
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

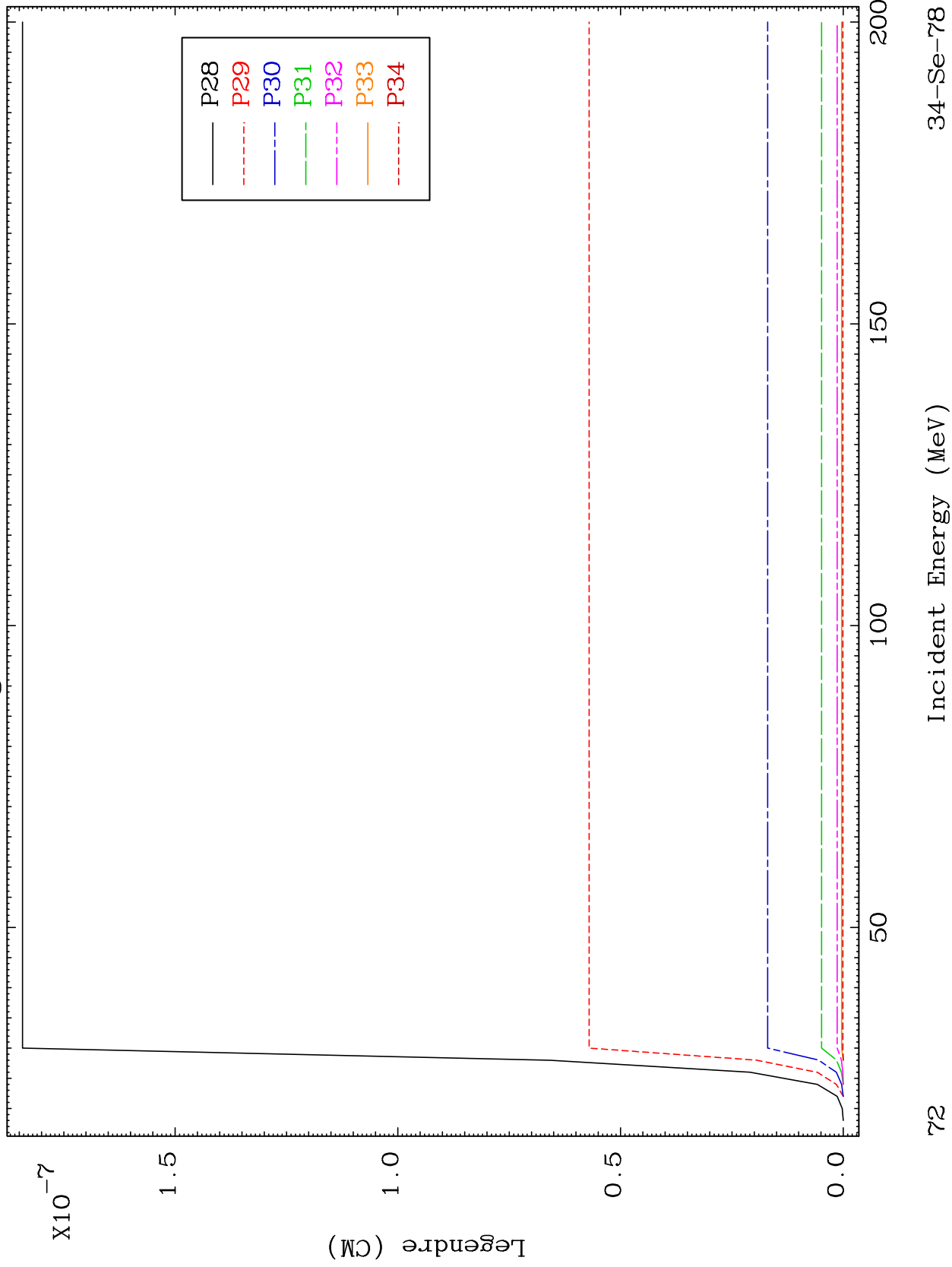
34-Se-78



MAT 3437

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

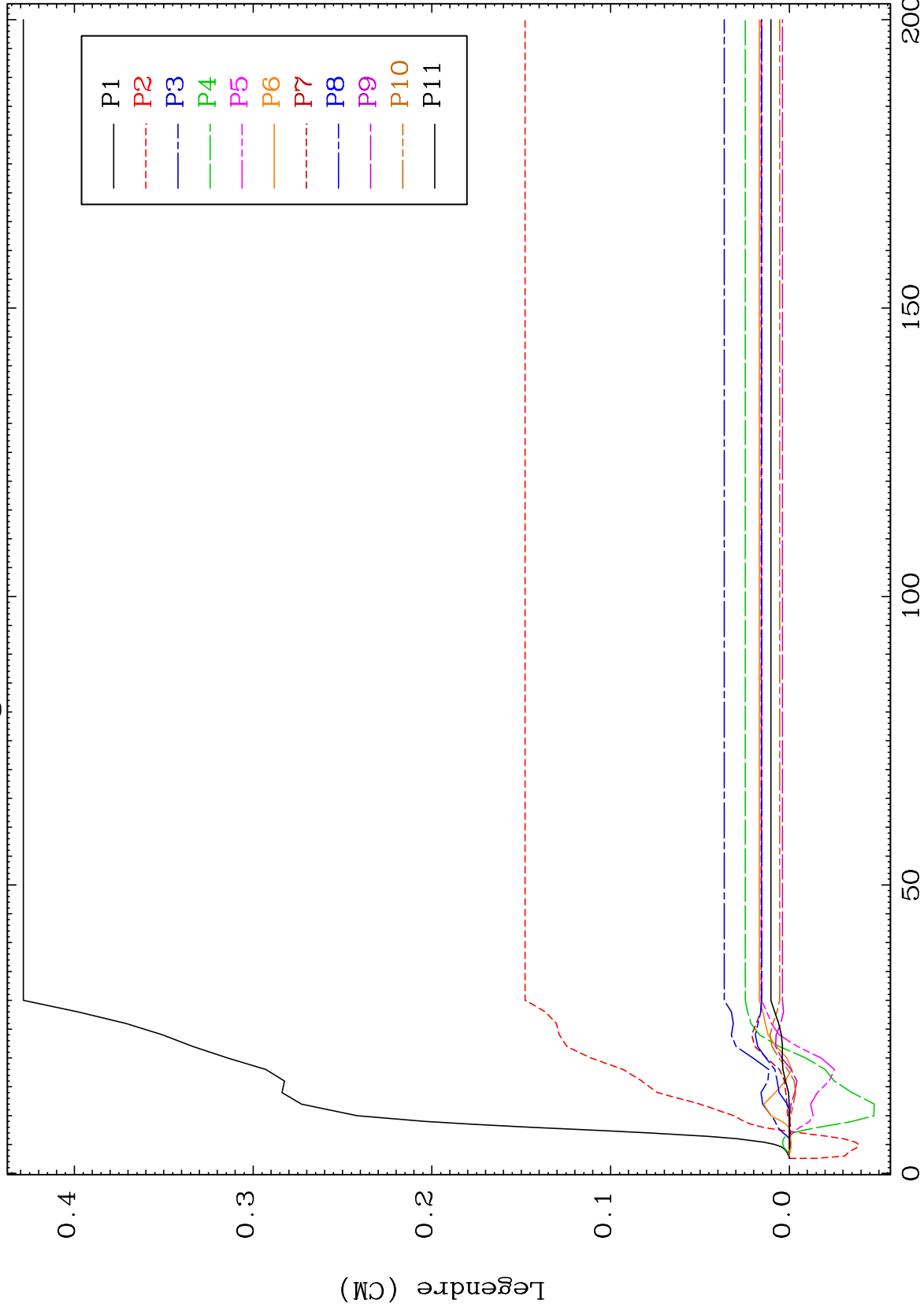
34-Se-78



MAT 3437

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

³⁴Se-78



73

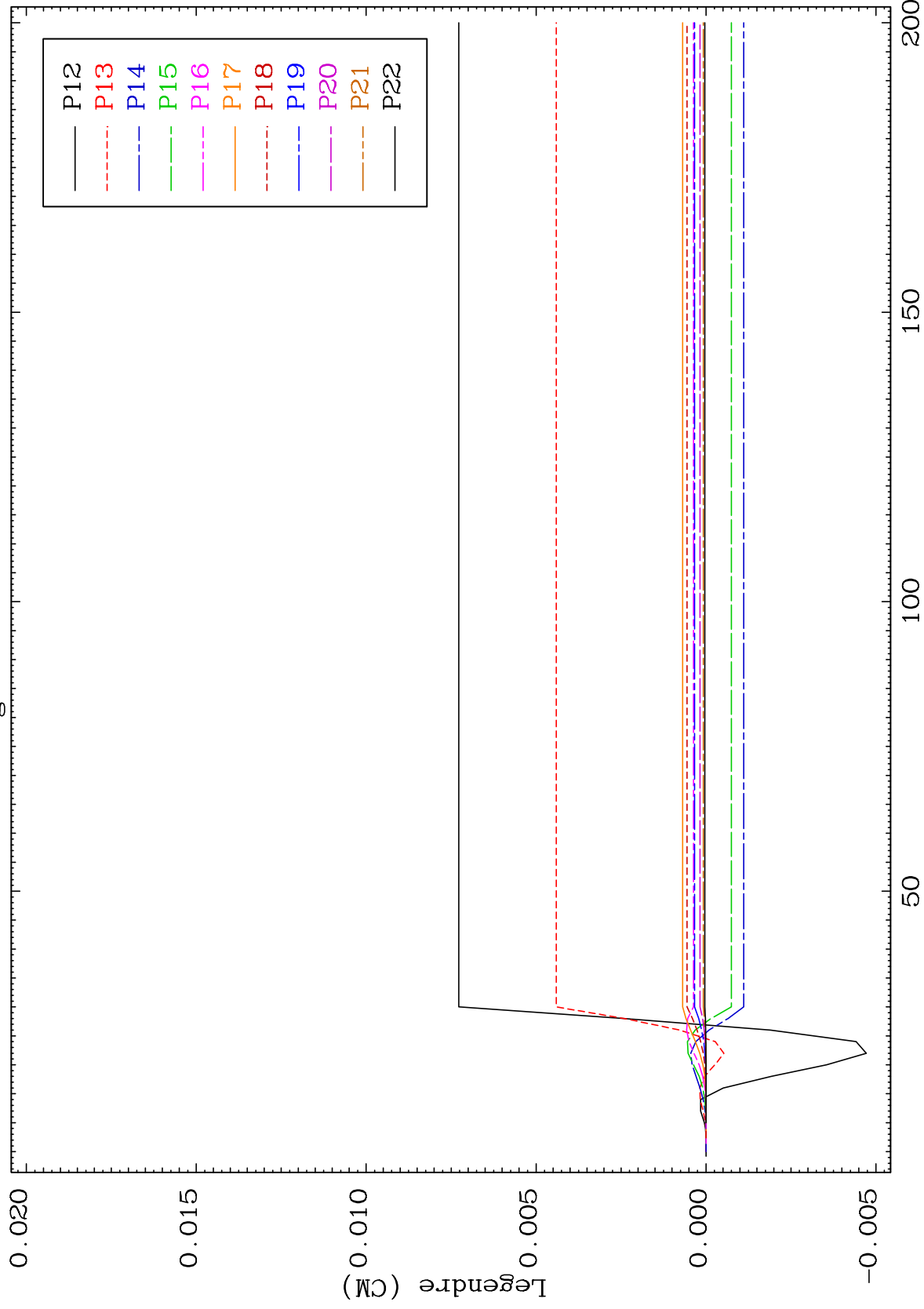
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78



74

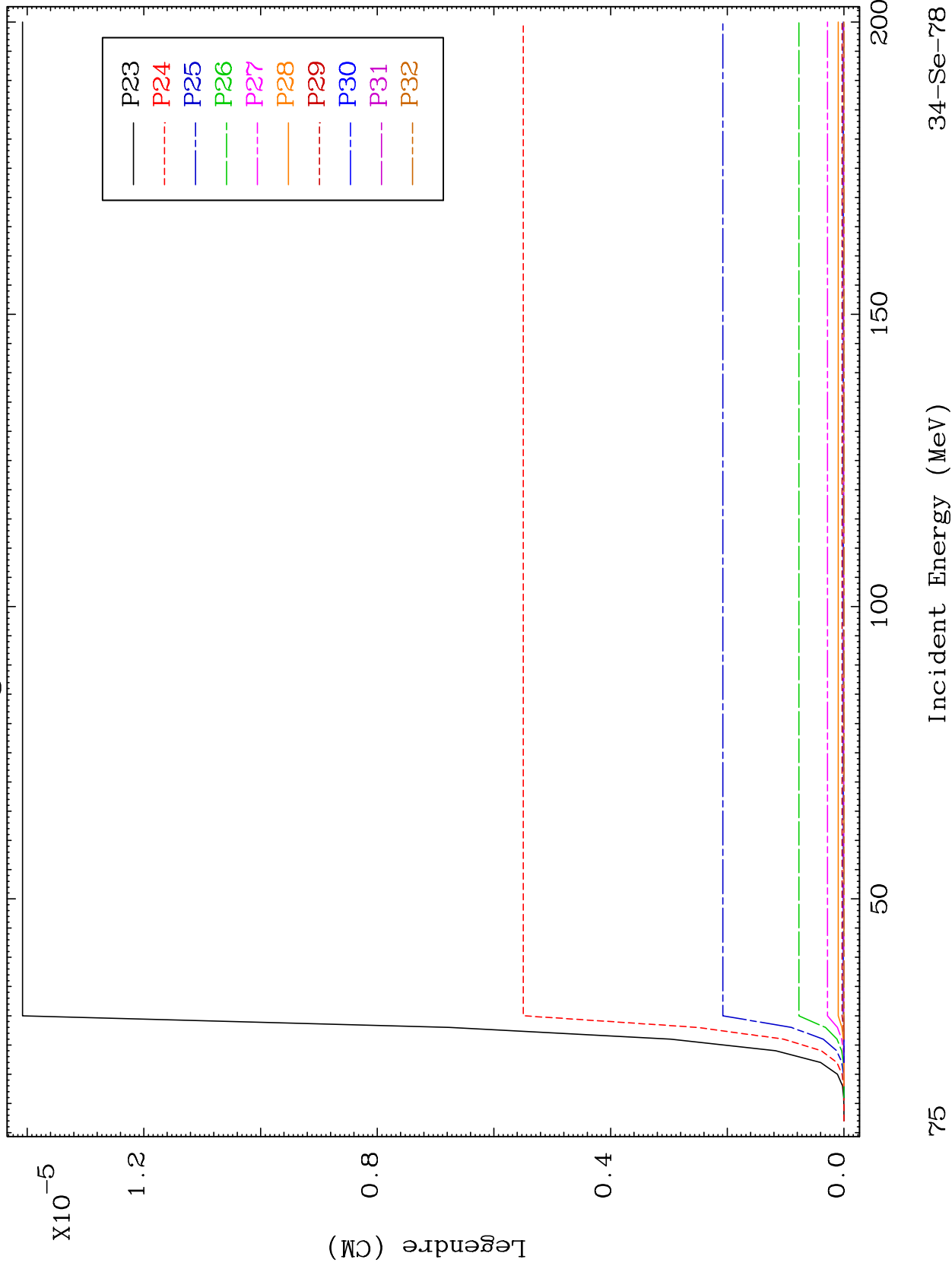
Incident Energy (MeV)

34-Se-78

MAT 3437

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

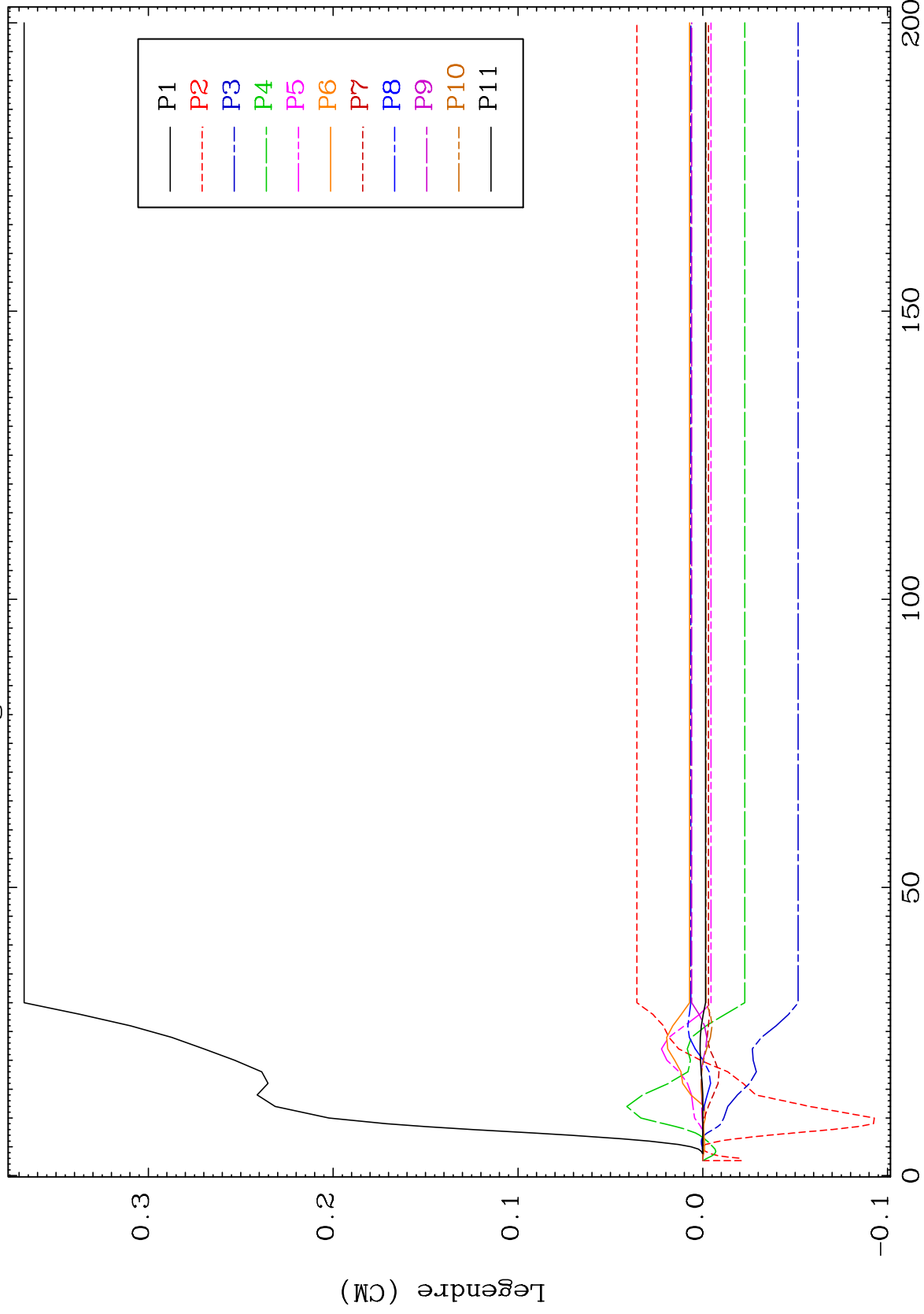
34-Se-78



MAT 3437

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

³⁴Se-78



76

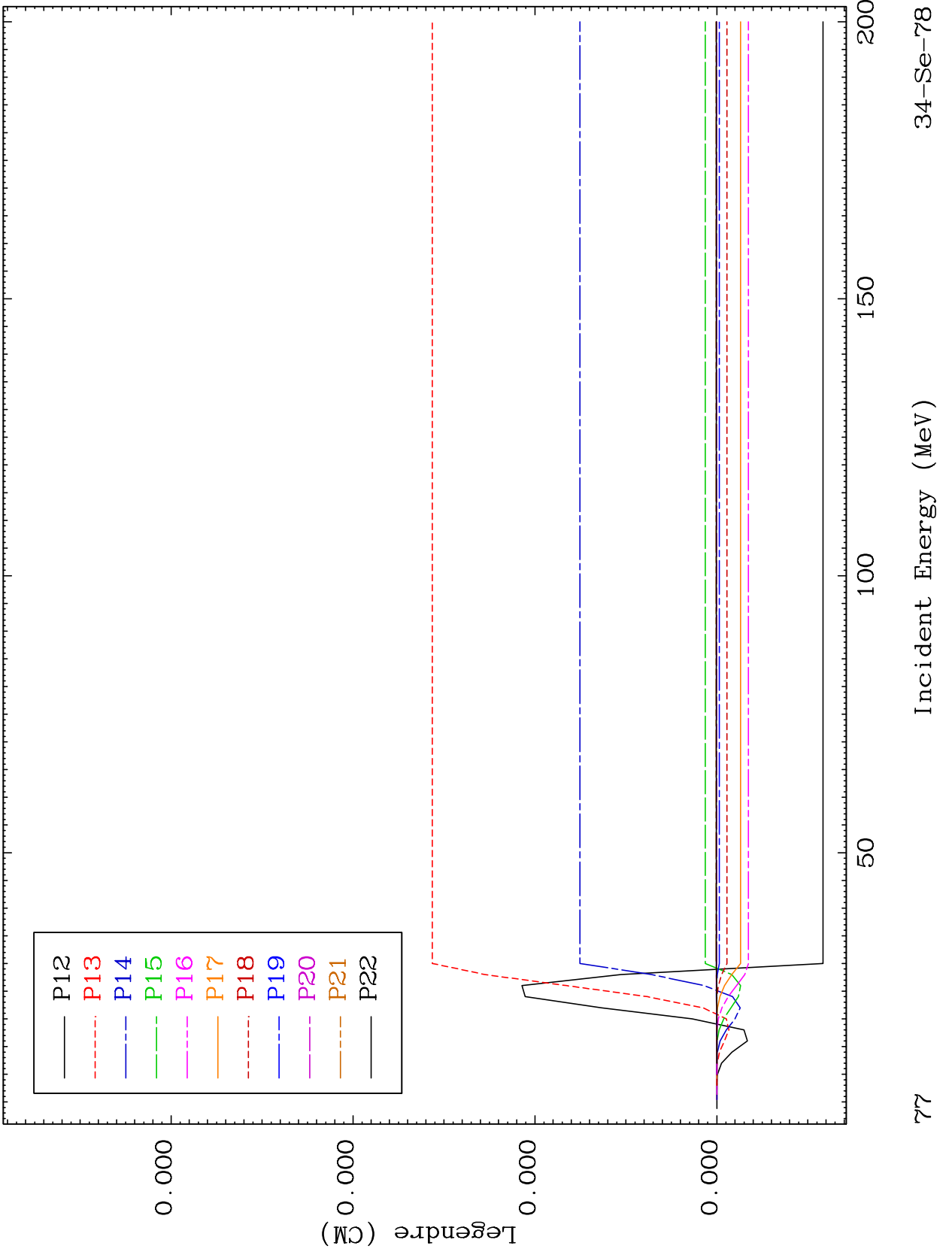
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

³⁴Se-78

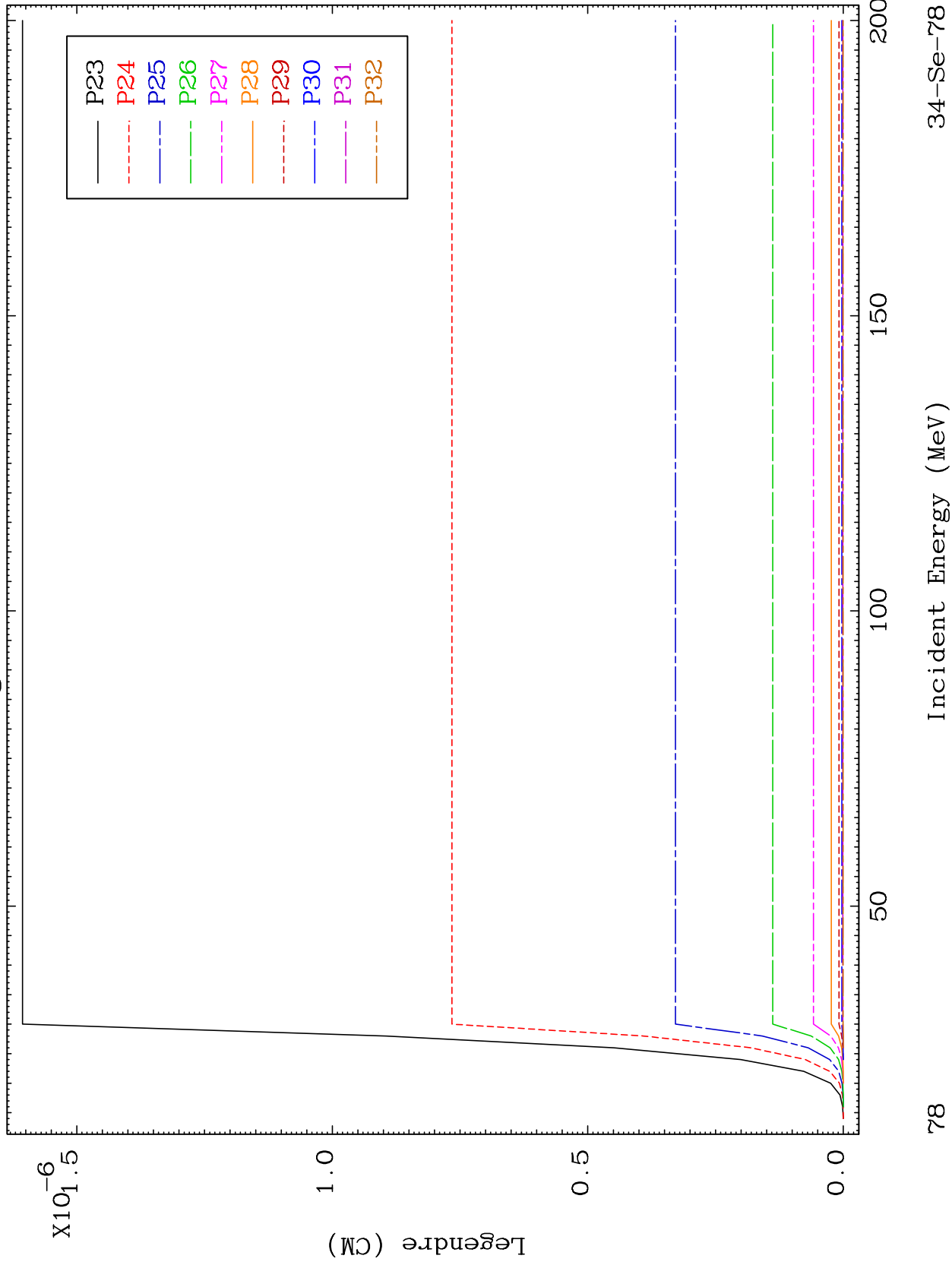


77

MAT 3437

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

34-Se-78



78

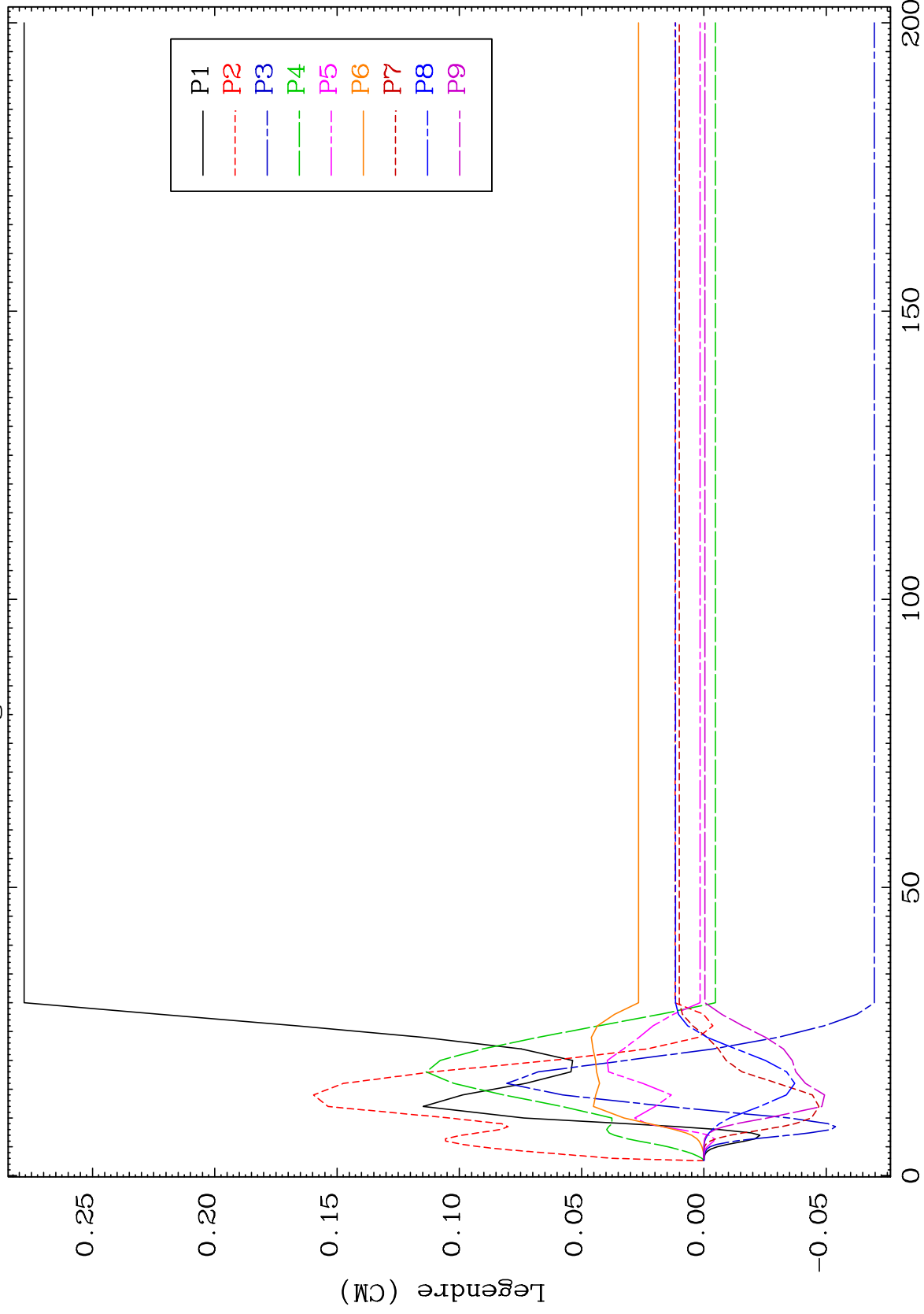
Incident Energy (MeV)

34-Se-78

MAT 3437

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

³⁴Se-78



79

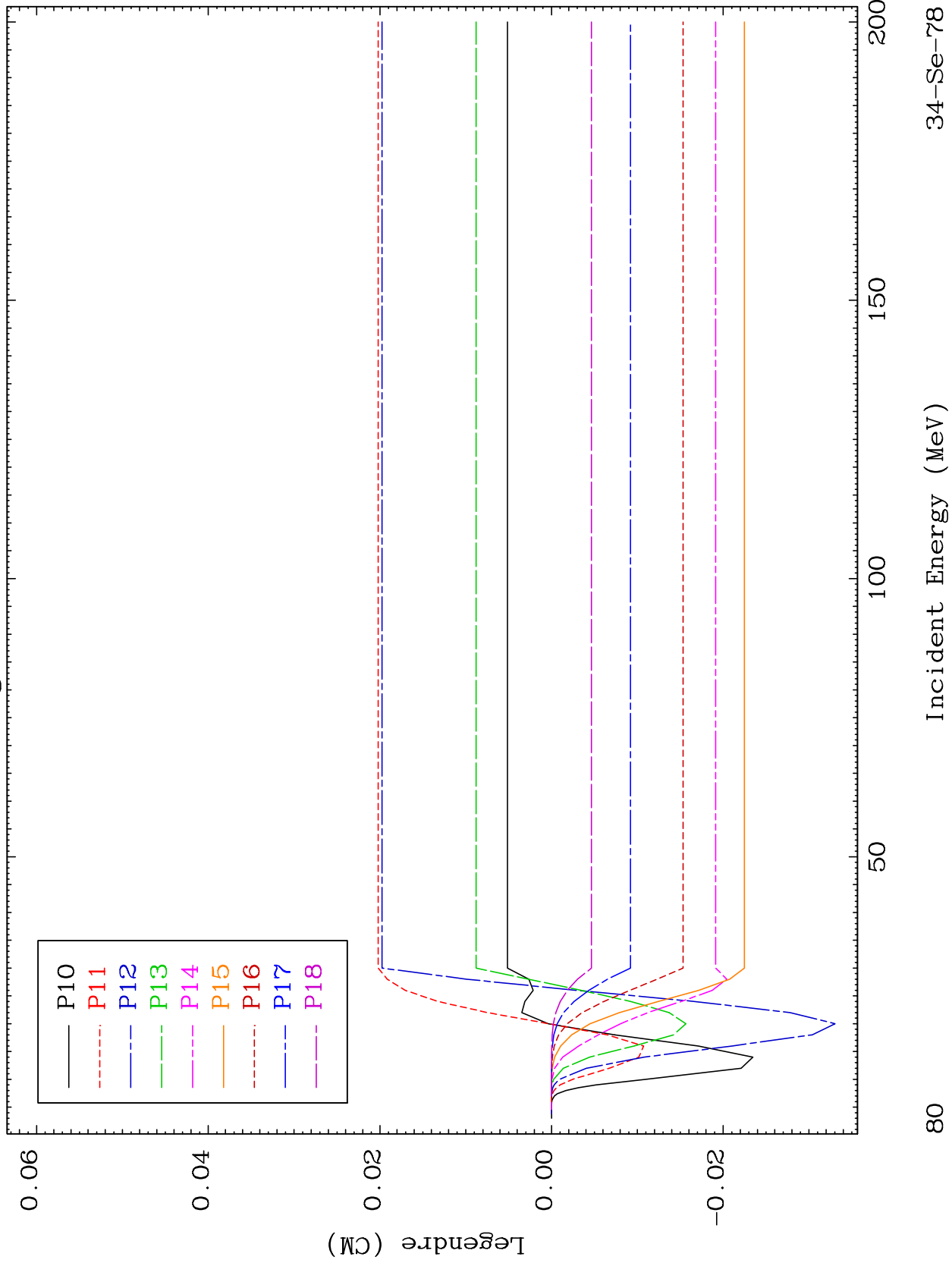
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78



80

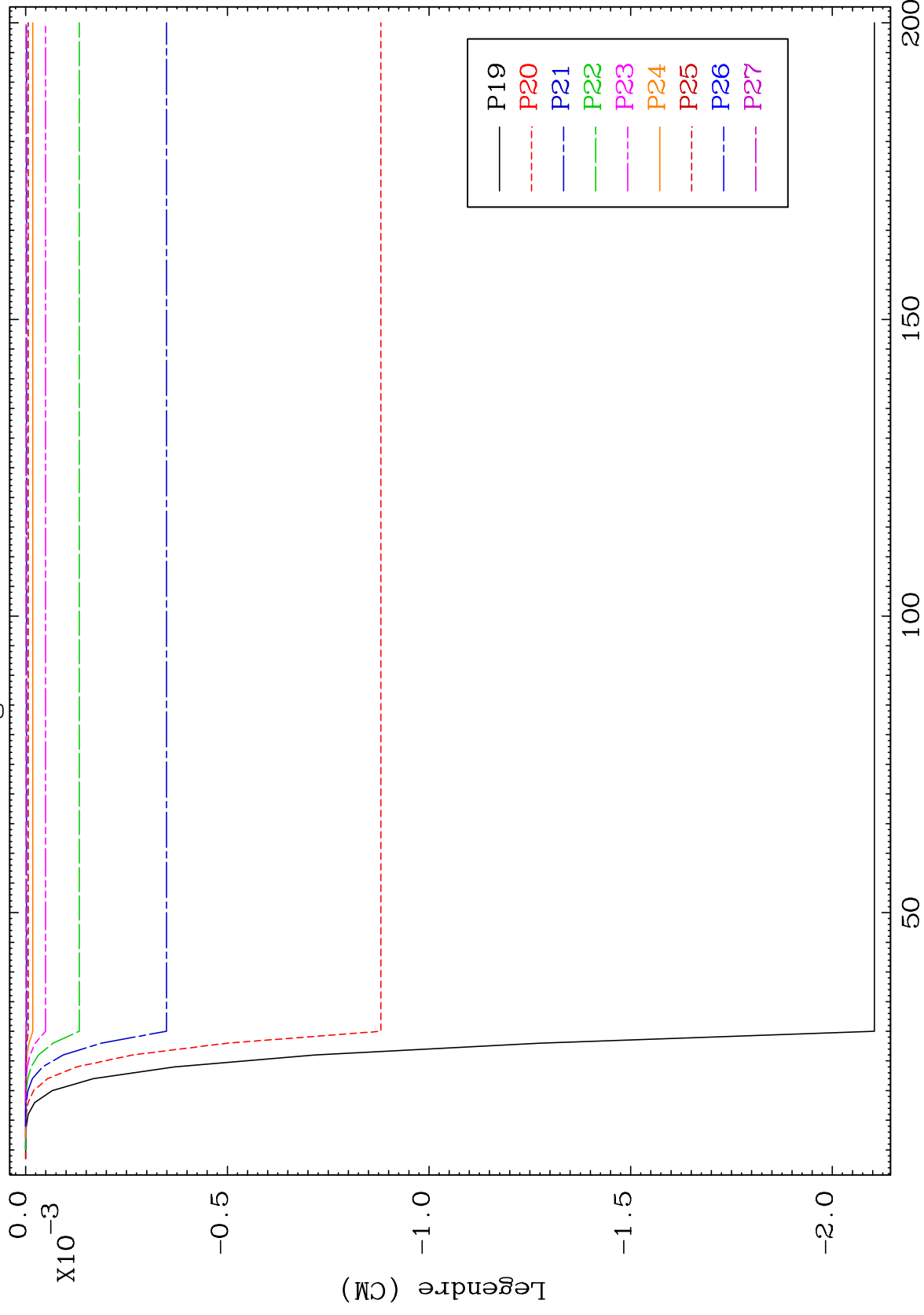
Incident Energy (MeV)

34-Se-78

MAT 3437

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

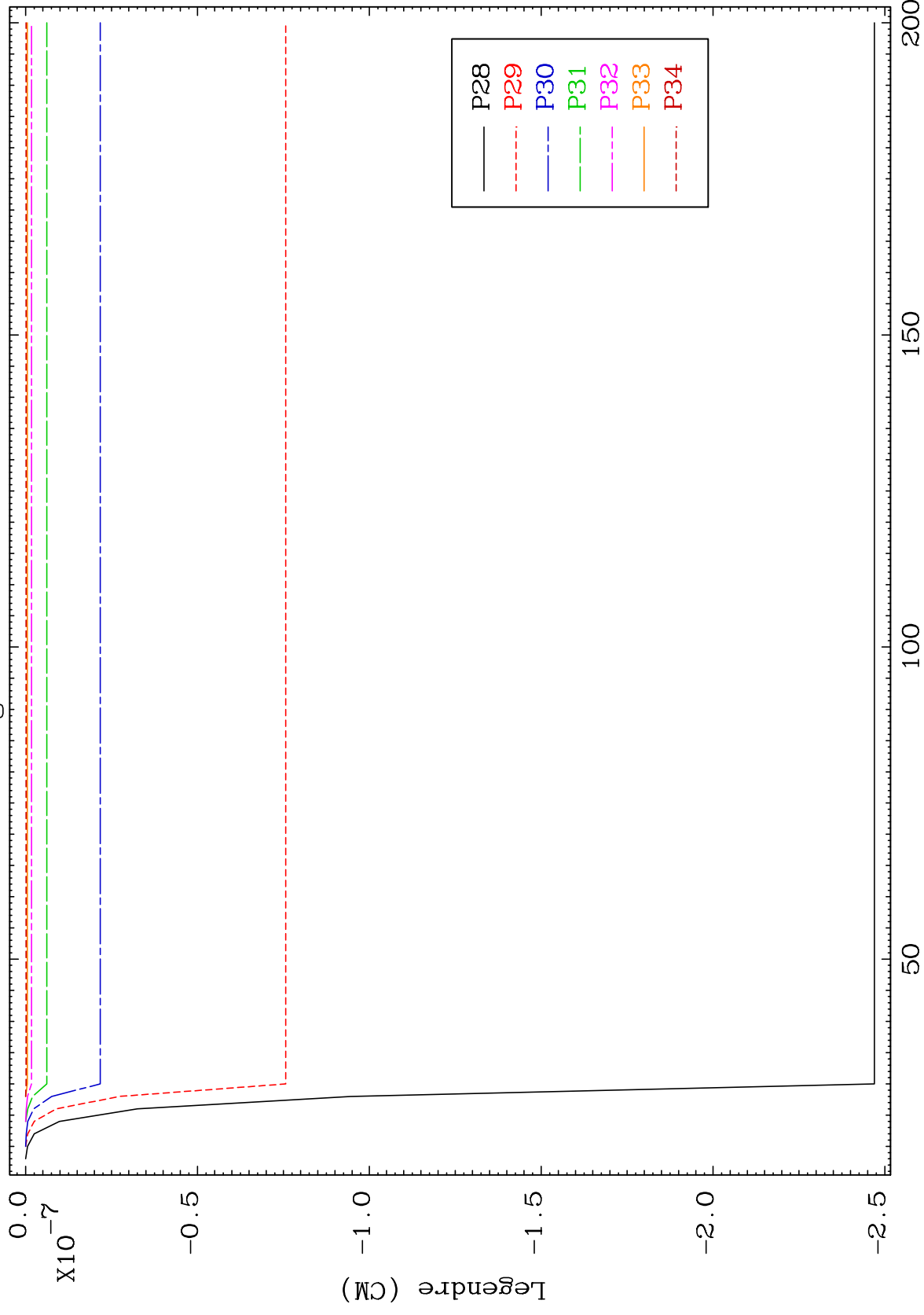
34-Se-78



MAT 3437

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

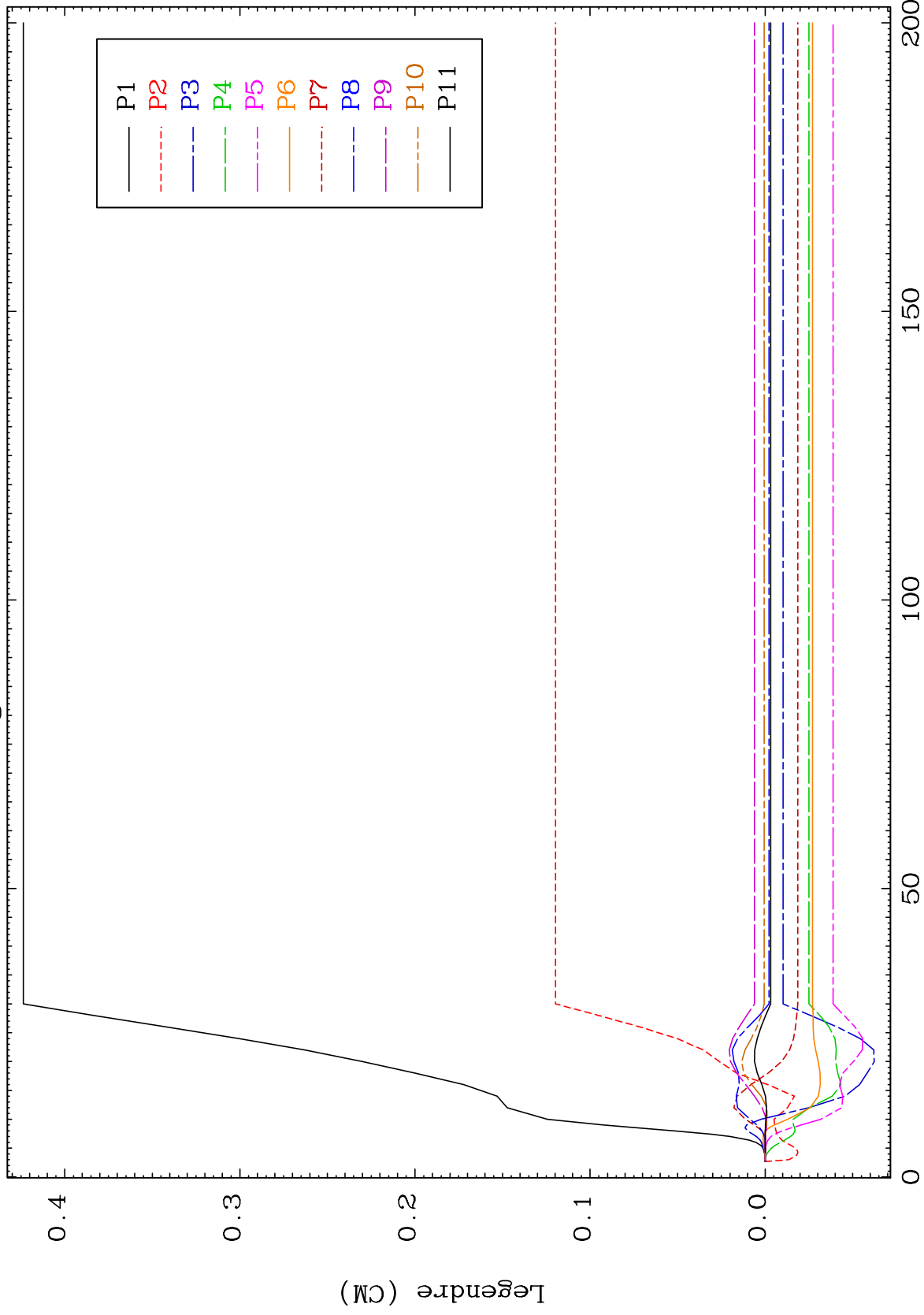
³⁴Se-78



MAT 3437

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

³⁴Se-78



83

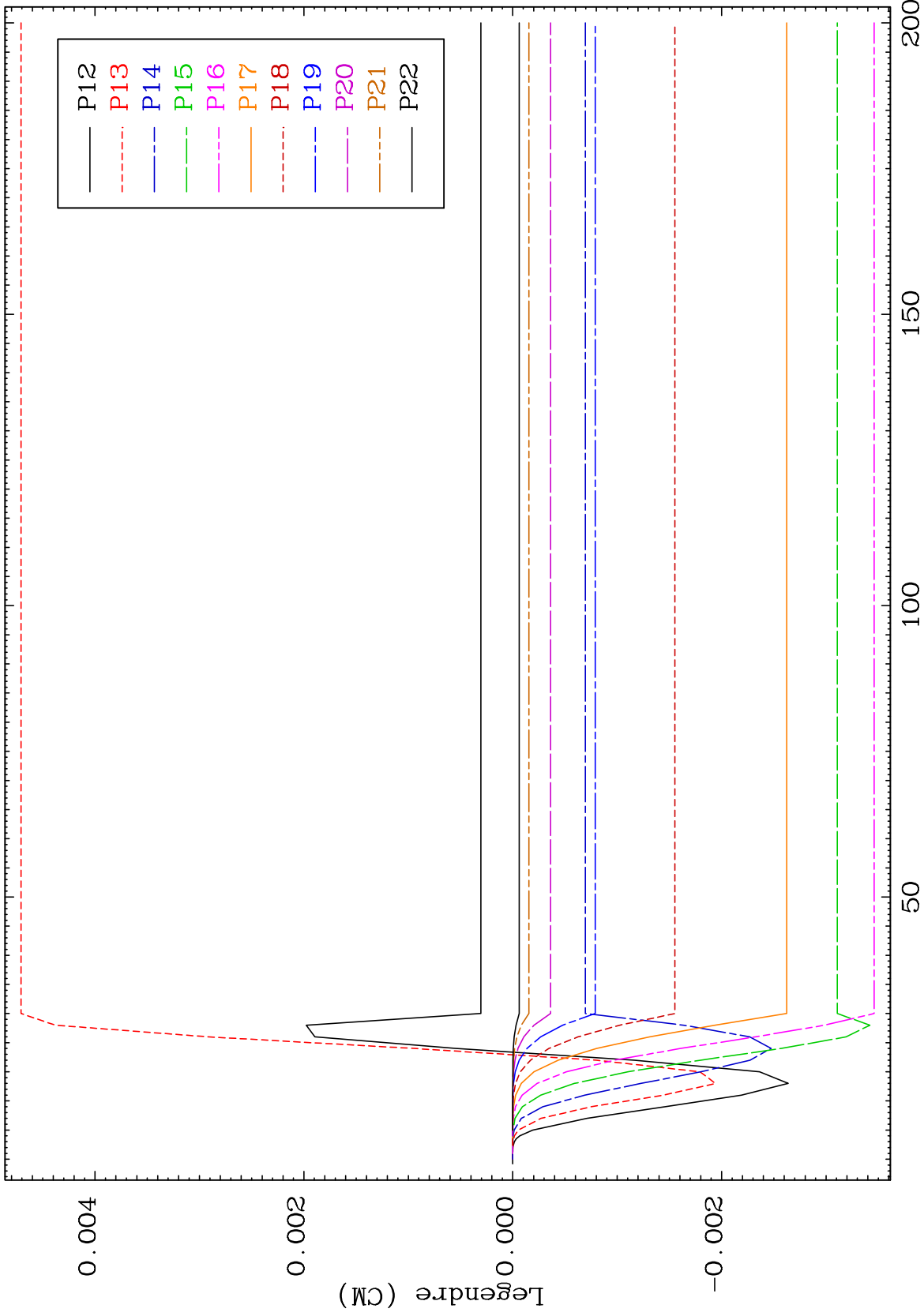
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78



84

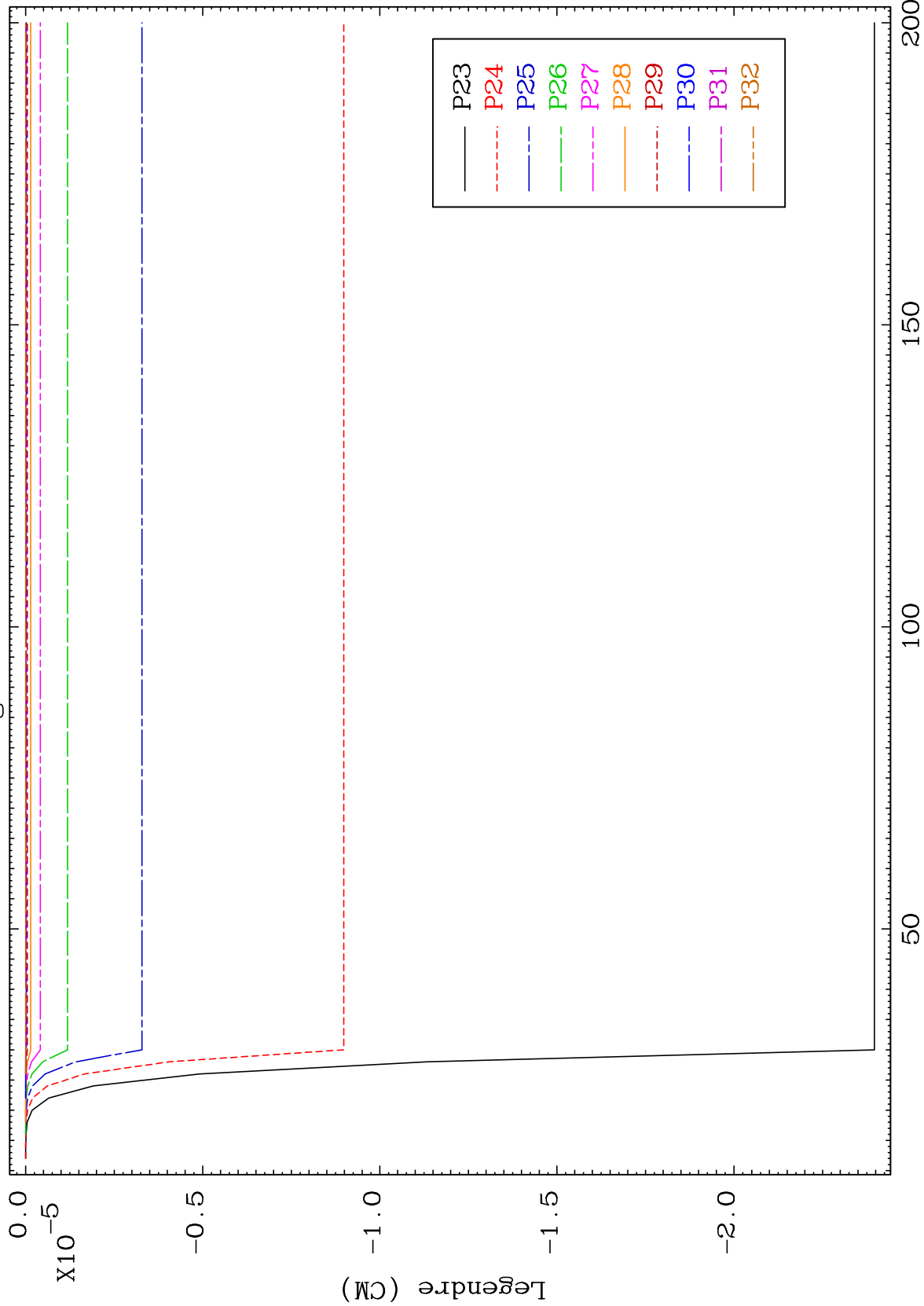
Incident Energy (MeV)

34-Se-78

MAT 3437

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

³⁴Se-78



85

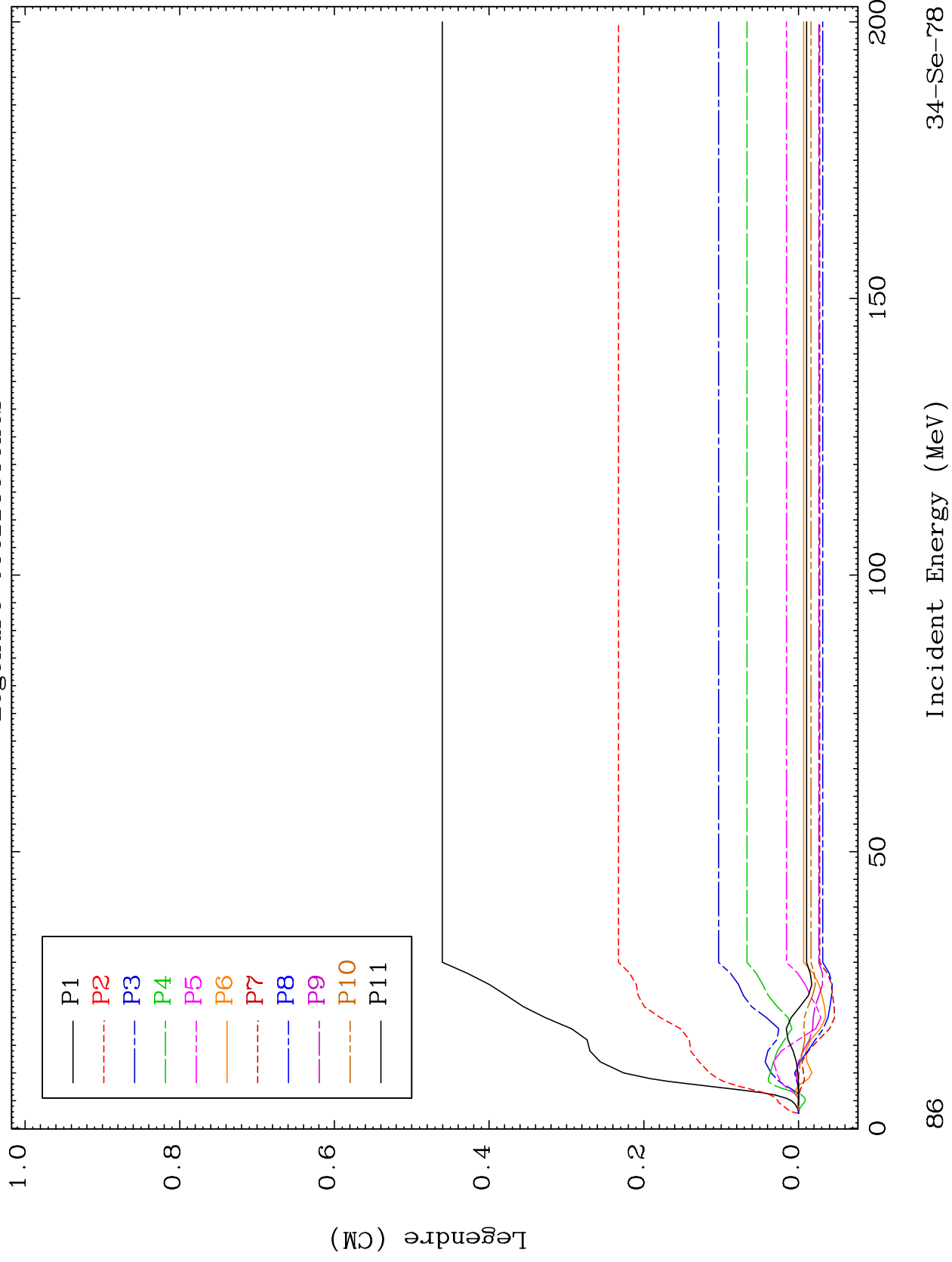
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

³⁴Se-78



86

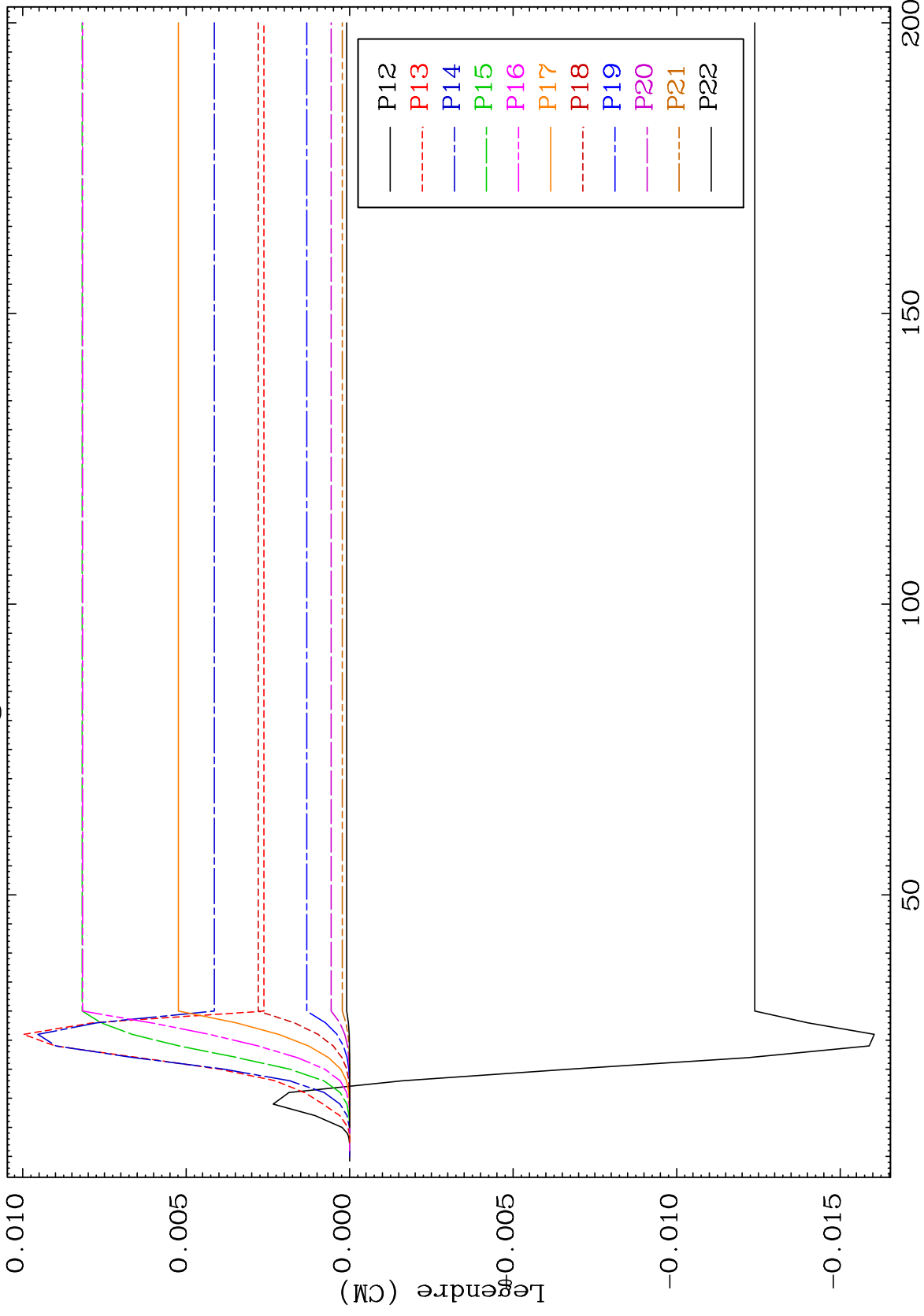
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78



87

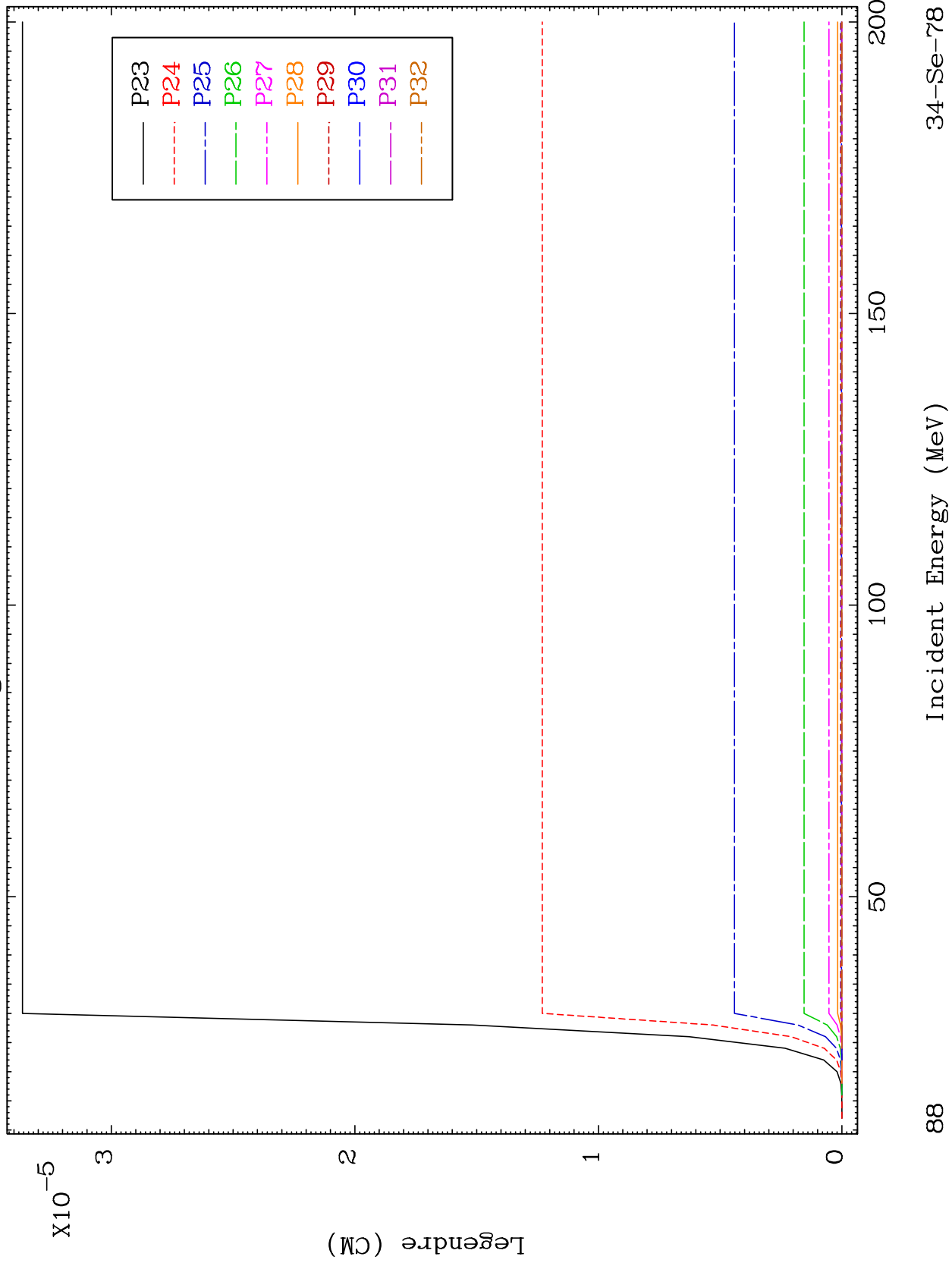
Incident Energy (MeV)

34-Se-78

MAT 3437

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

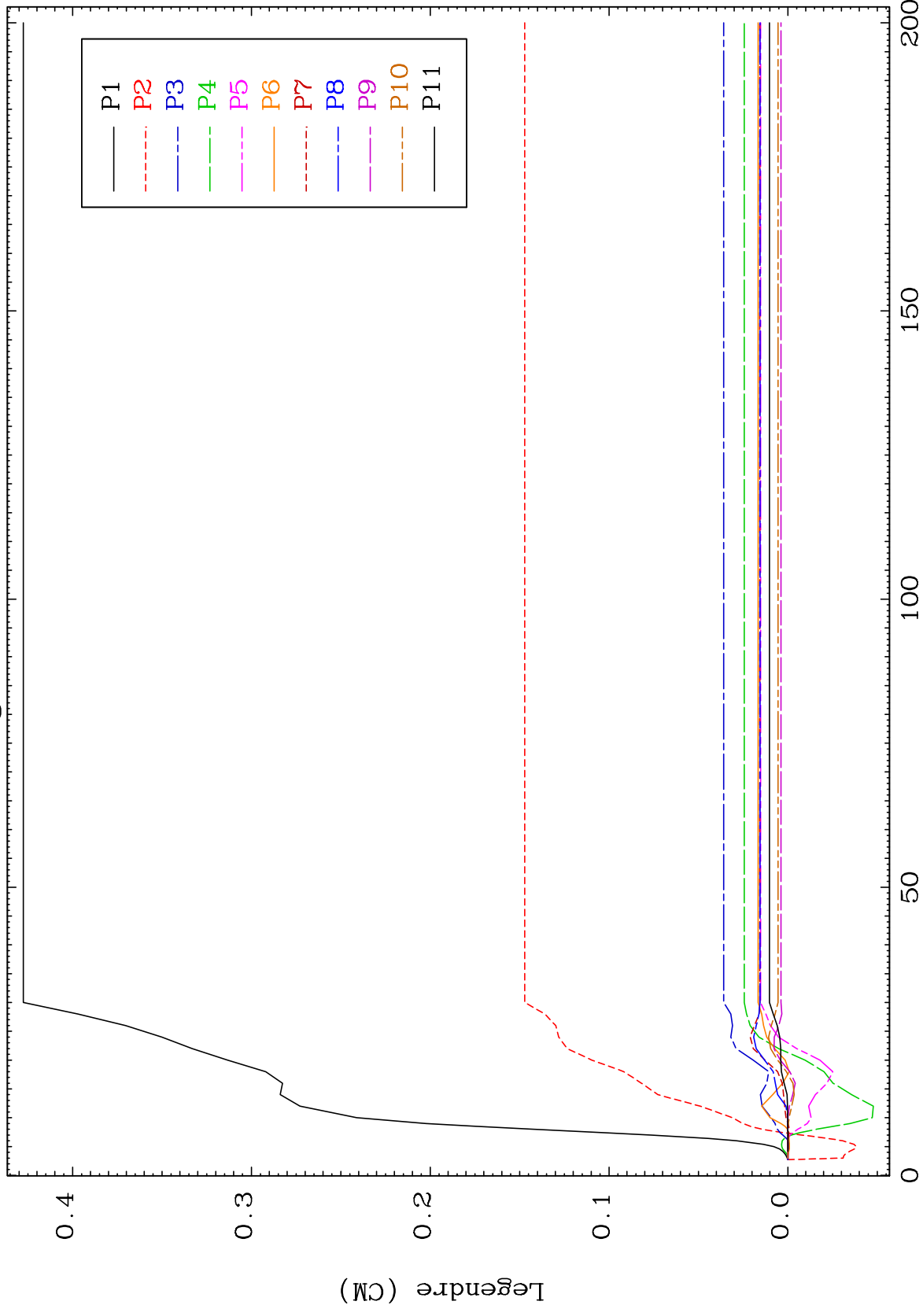
34-Se-78



MAT 3437

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

³⁴Se-78



89

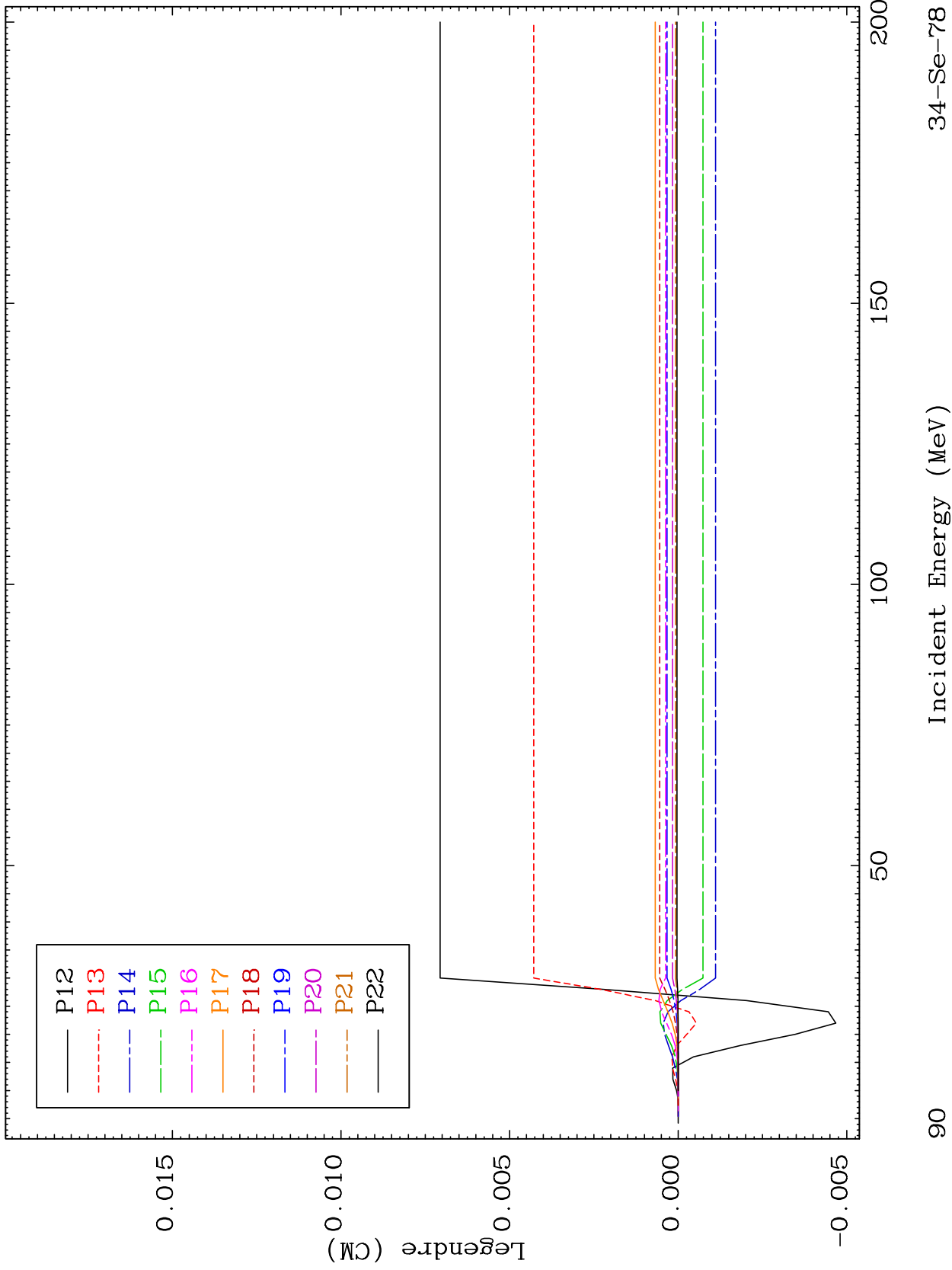
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78



90

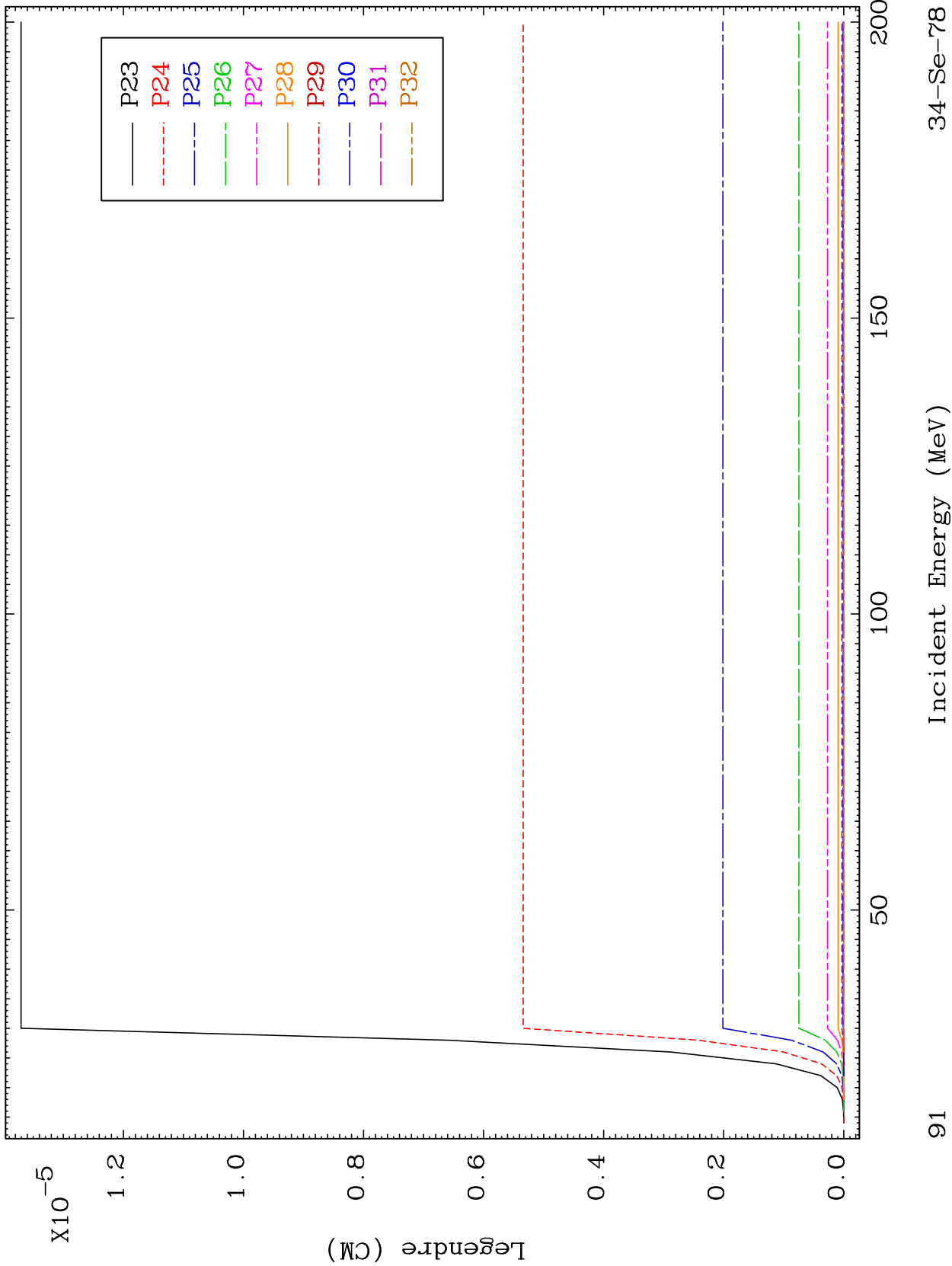
Incident Energy (MeV)

34-Se-78

MAT 3437

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

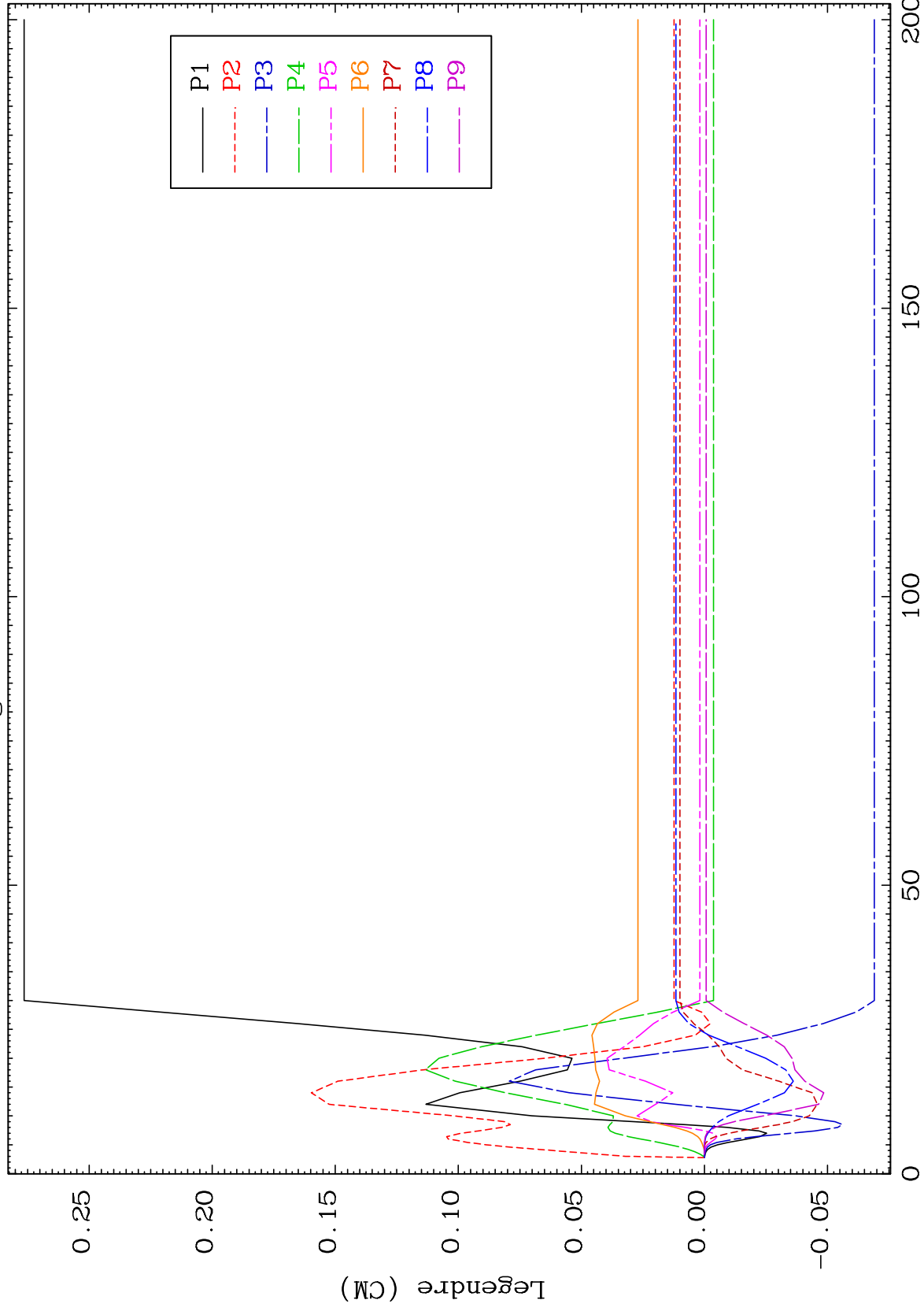
34-Se-78



MAT 3437

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

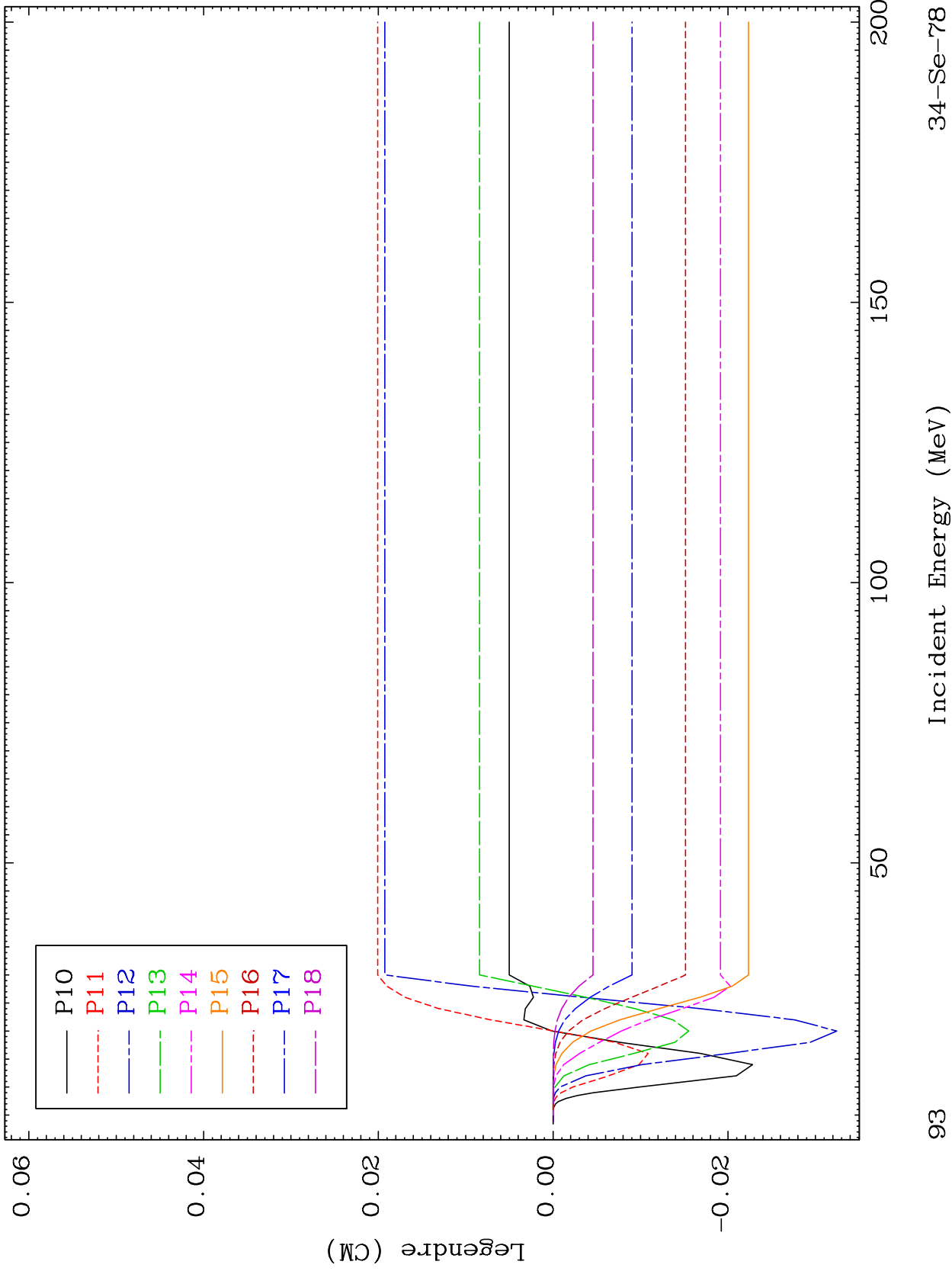
³⁴Se-78



92

Incident Energy (MeV)

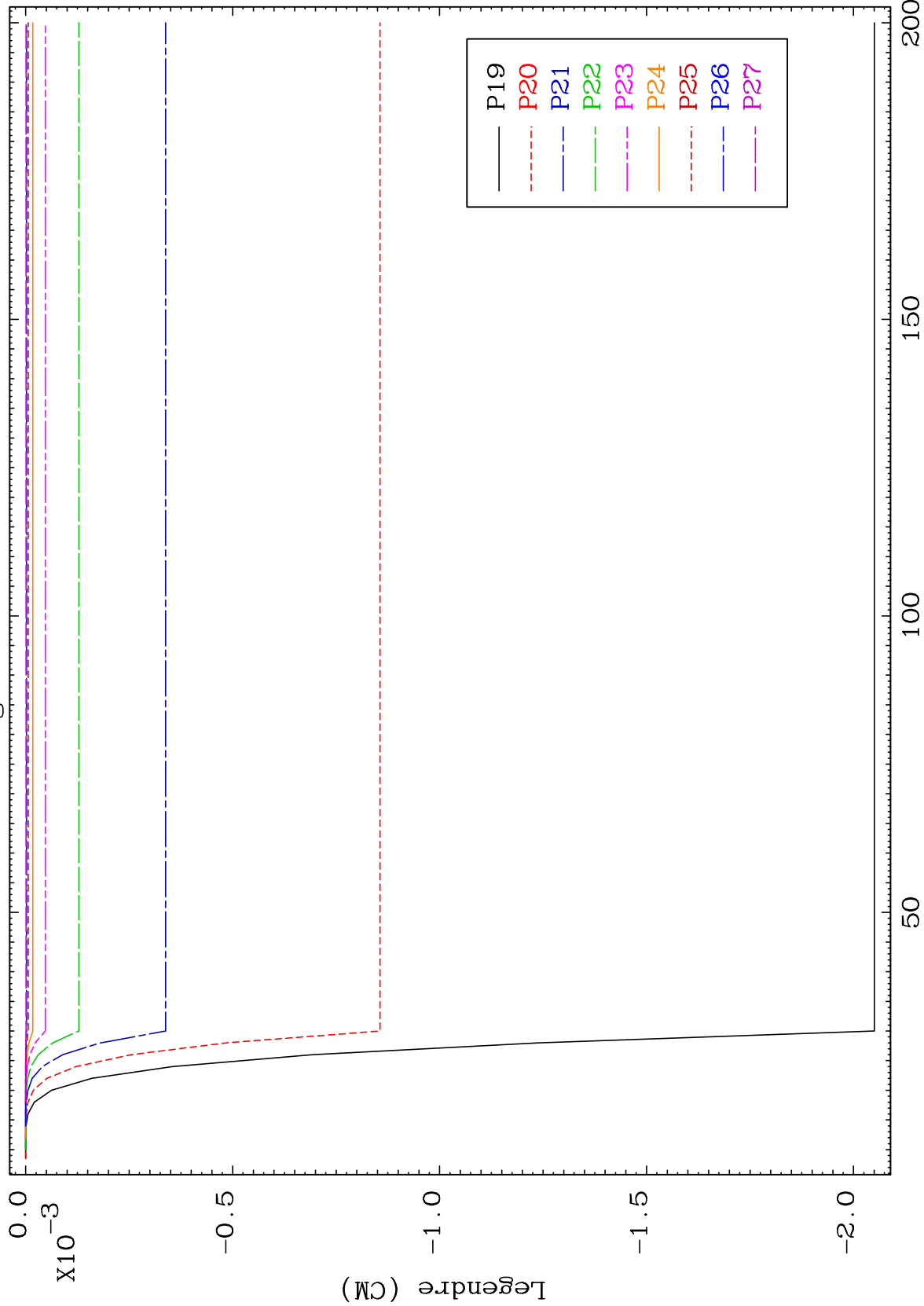
³⁴Se-78



MAT 3437

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

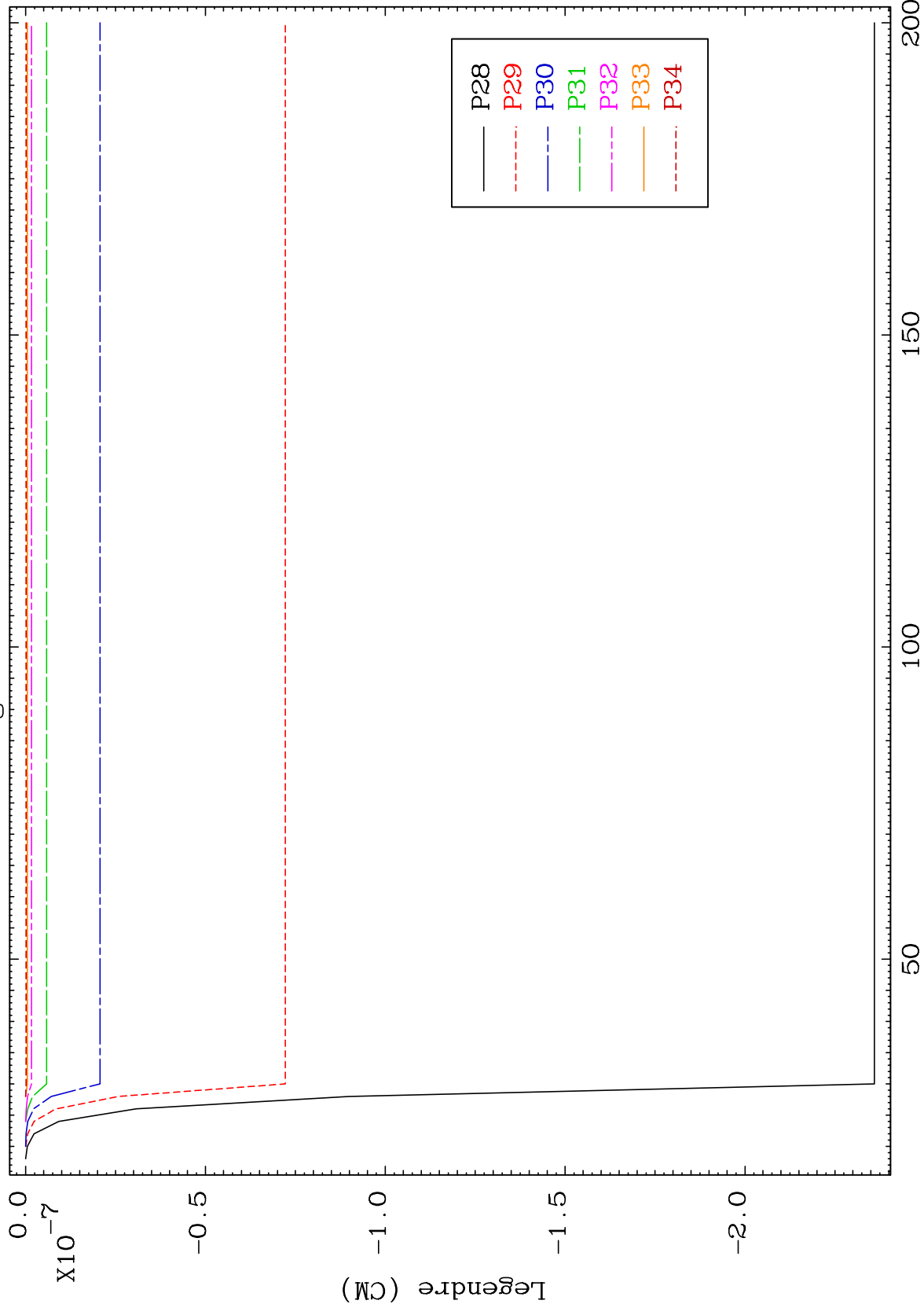
34-Se-78



MAT 3437

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

34-Se-78



95

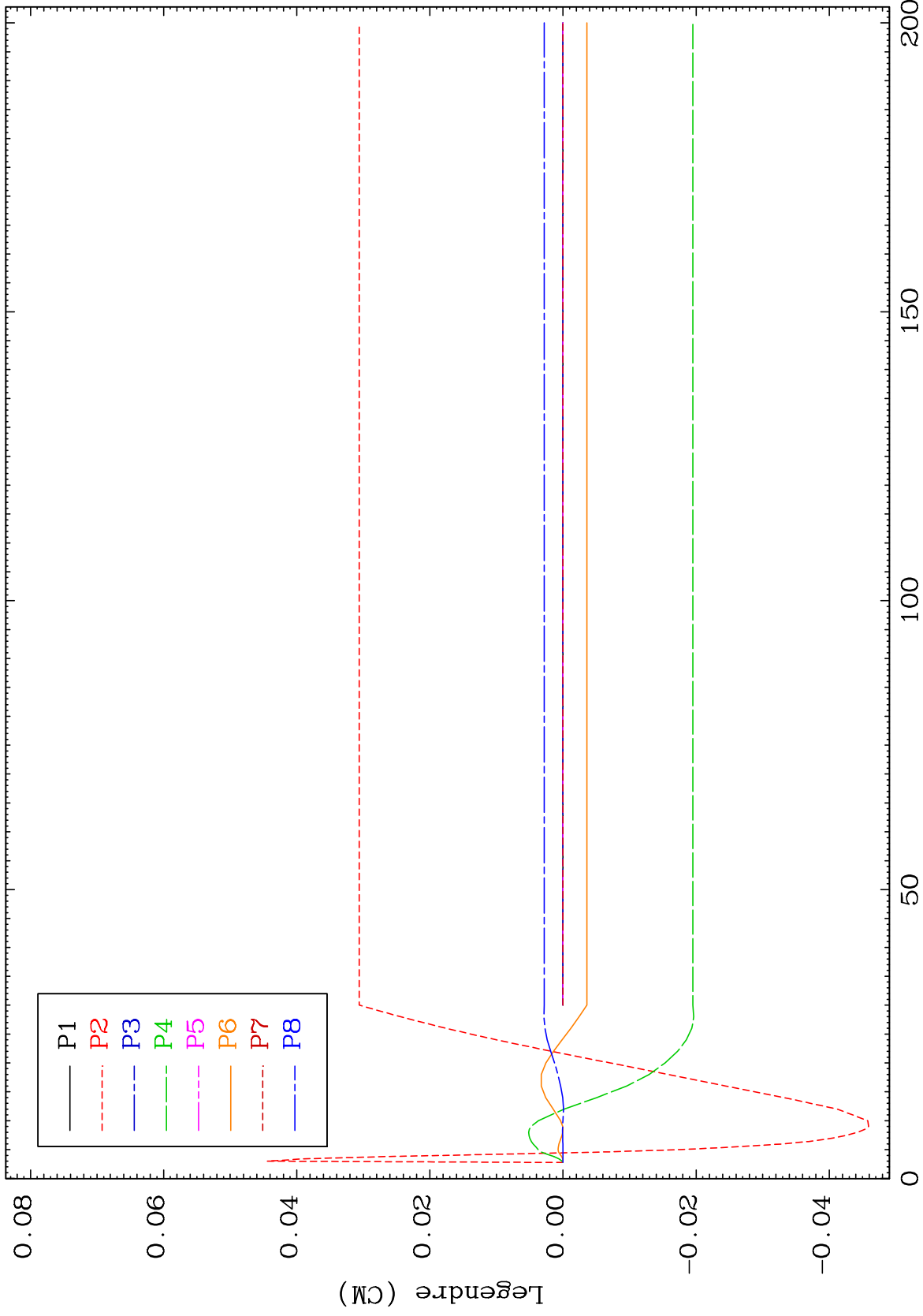
Incident Energy (MeV)

34-Se-78

MAT 3437

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

³⁴Se-78



96

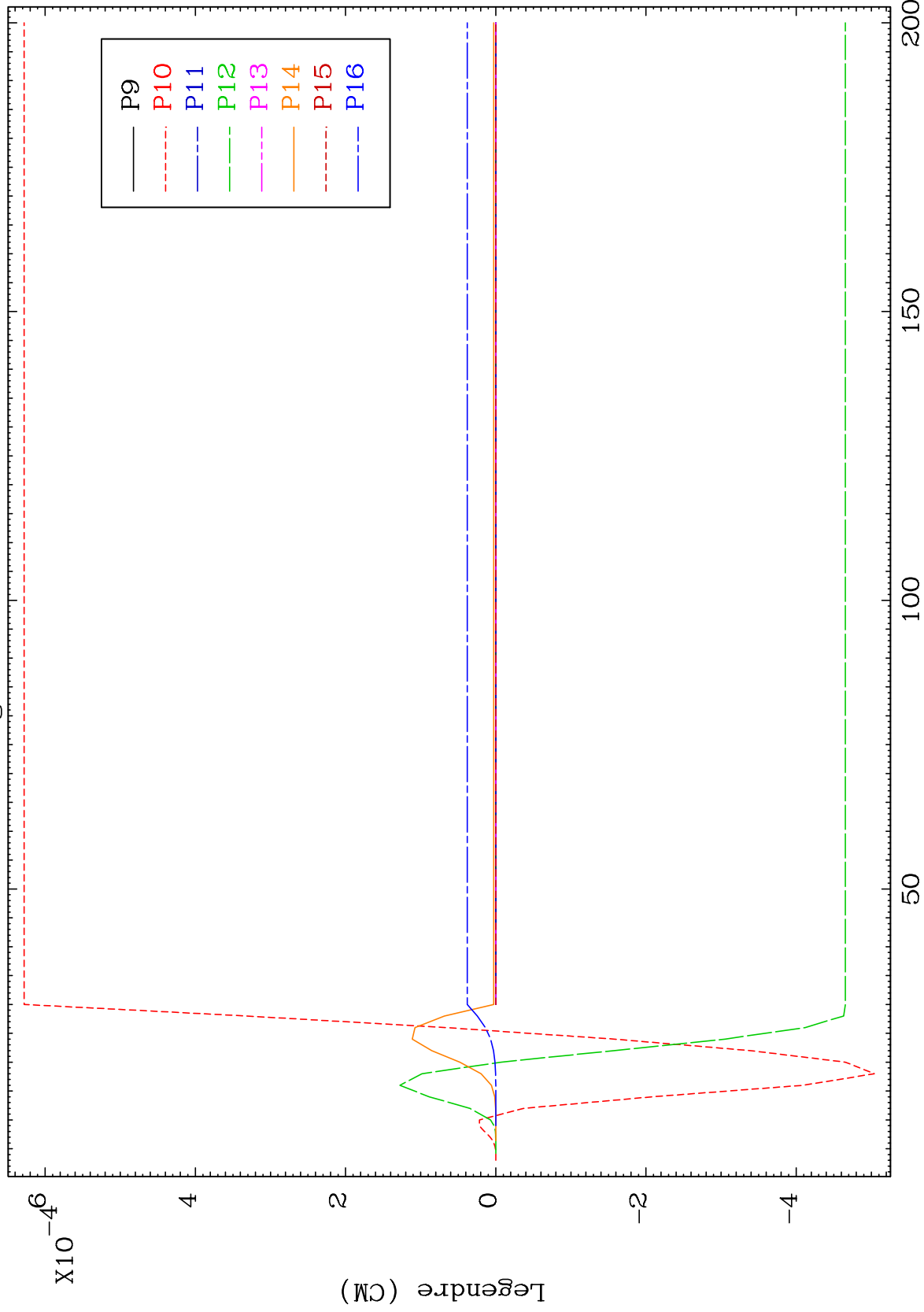
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78



97

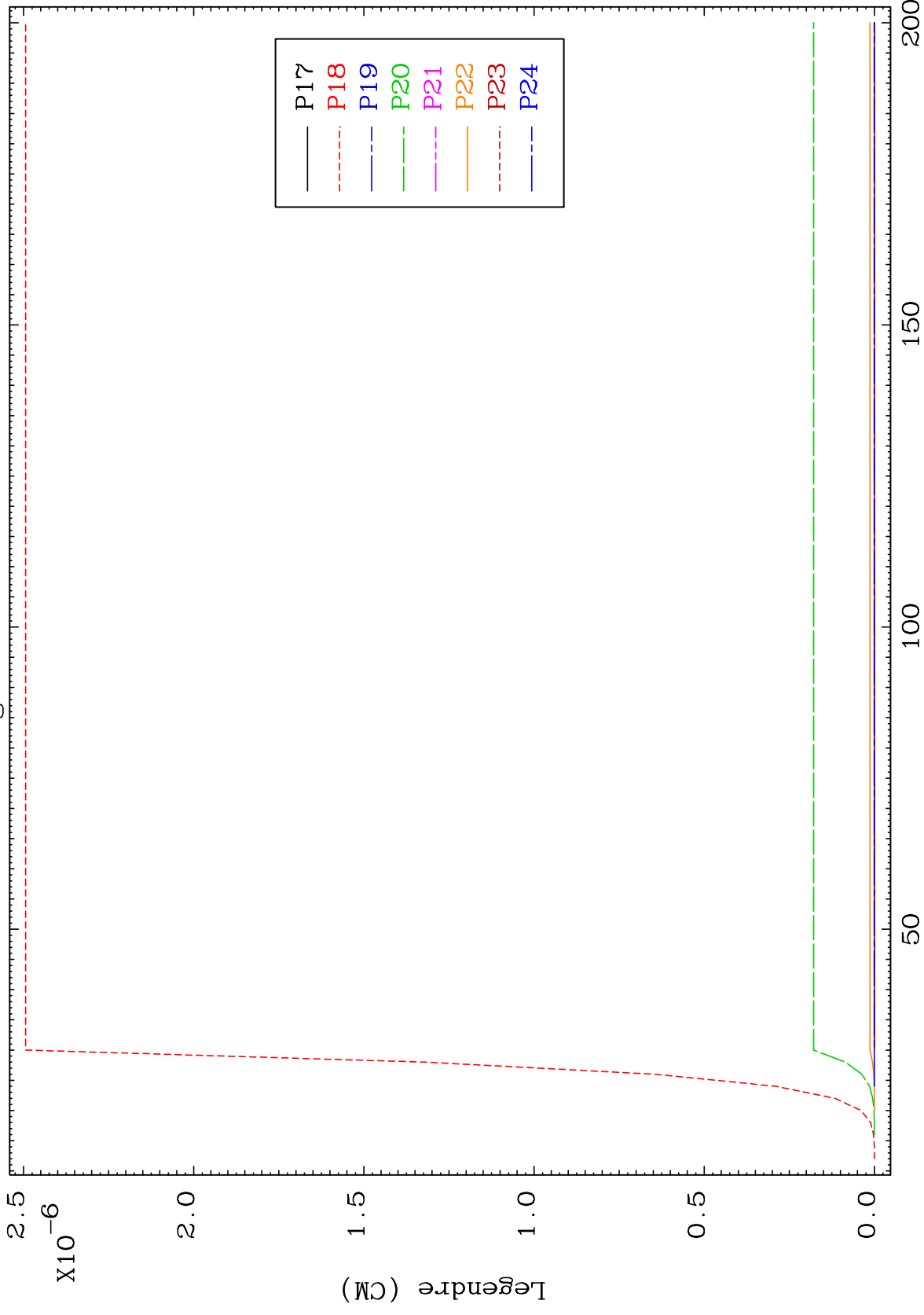
Incident Energy (MeV)

34-Se-78

MAT 3437

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

34-Se-78



34-Se-78

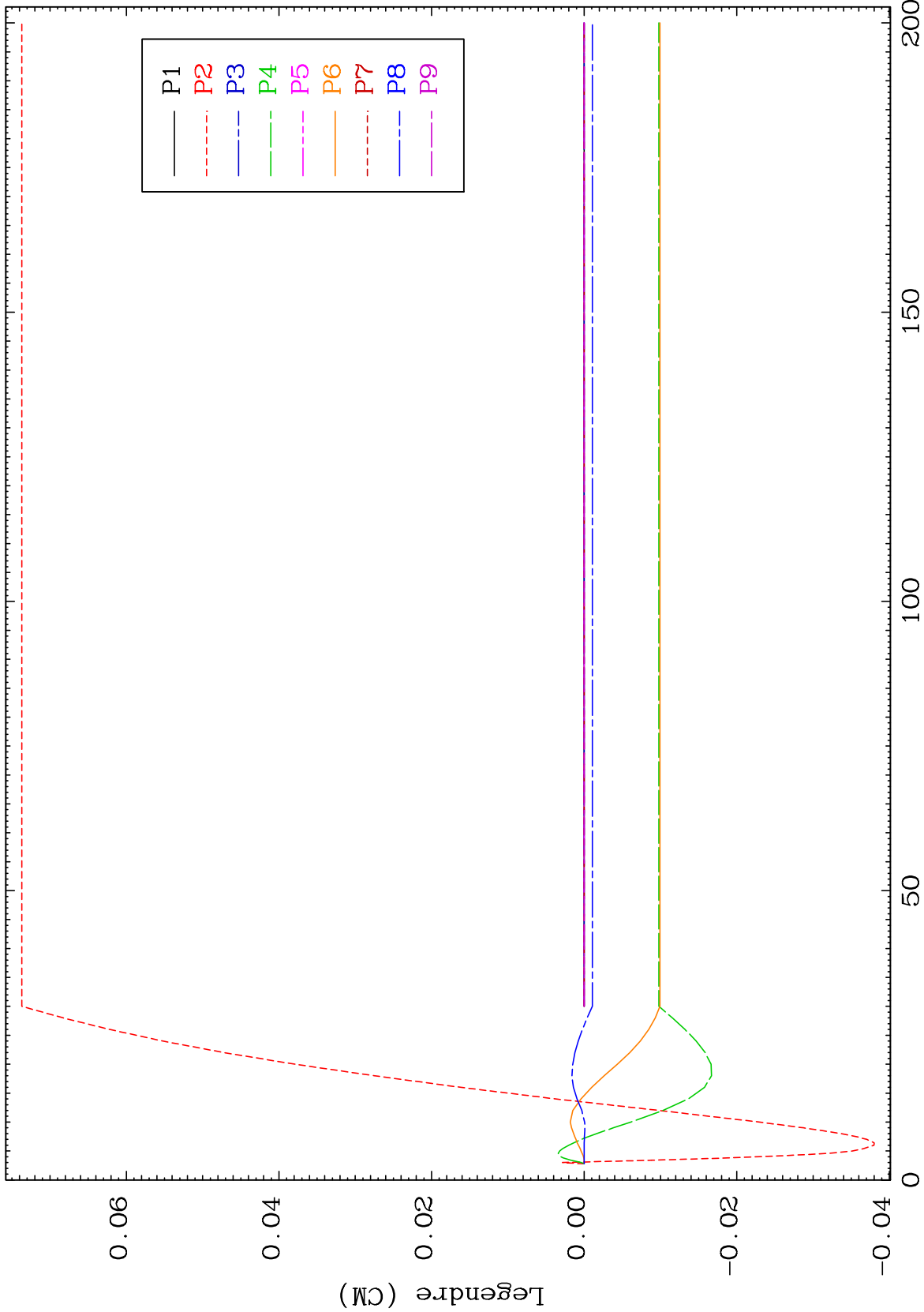
Incident Energy (MeV)

98

MAT 3437

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

34-Se-78



99

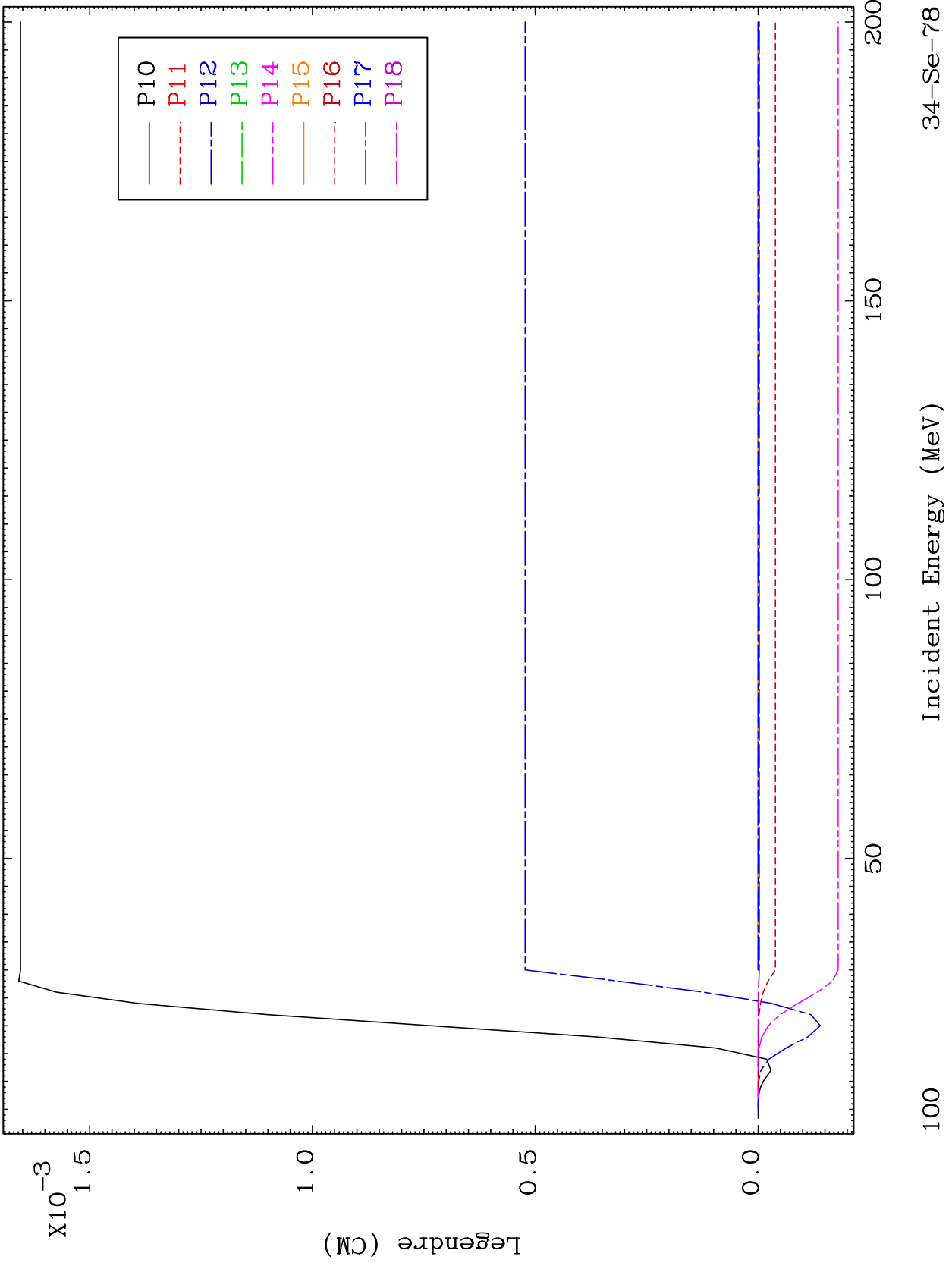
Incident Energy (MeV)

34-Se-78

MAT 3437

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

³⁴Se-78

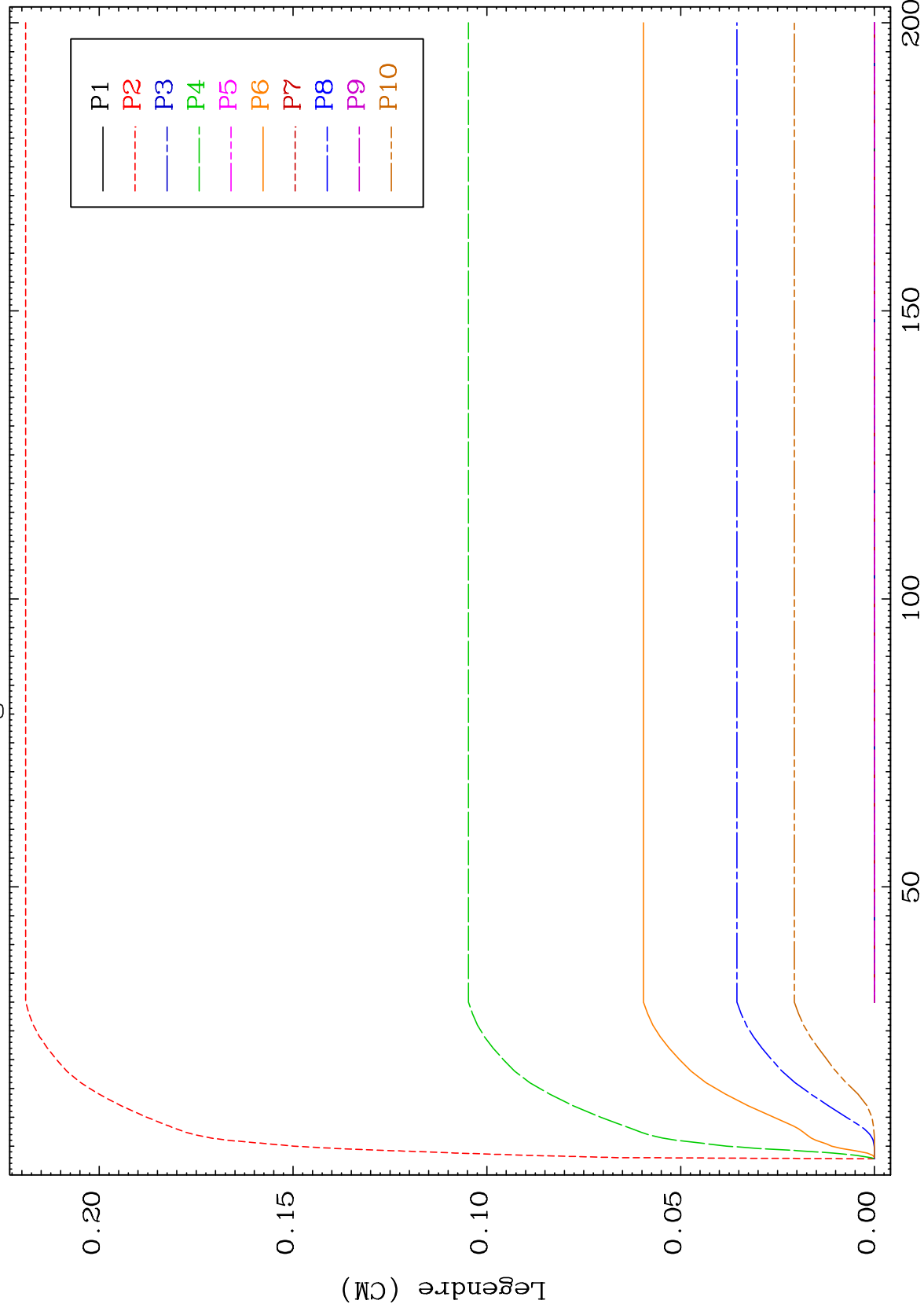


³⁴Se-78

MAT 3437

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

³⁴Se-78



102

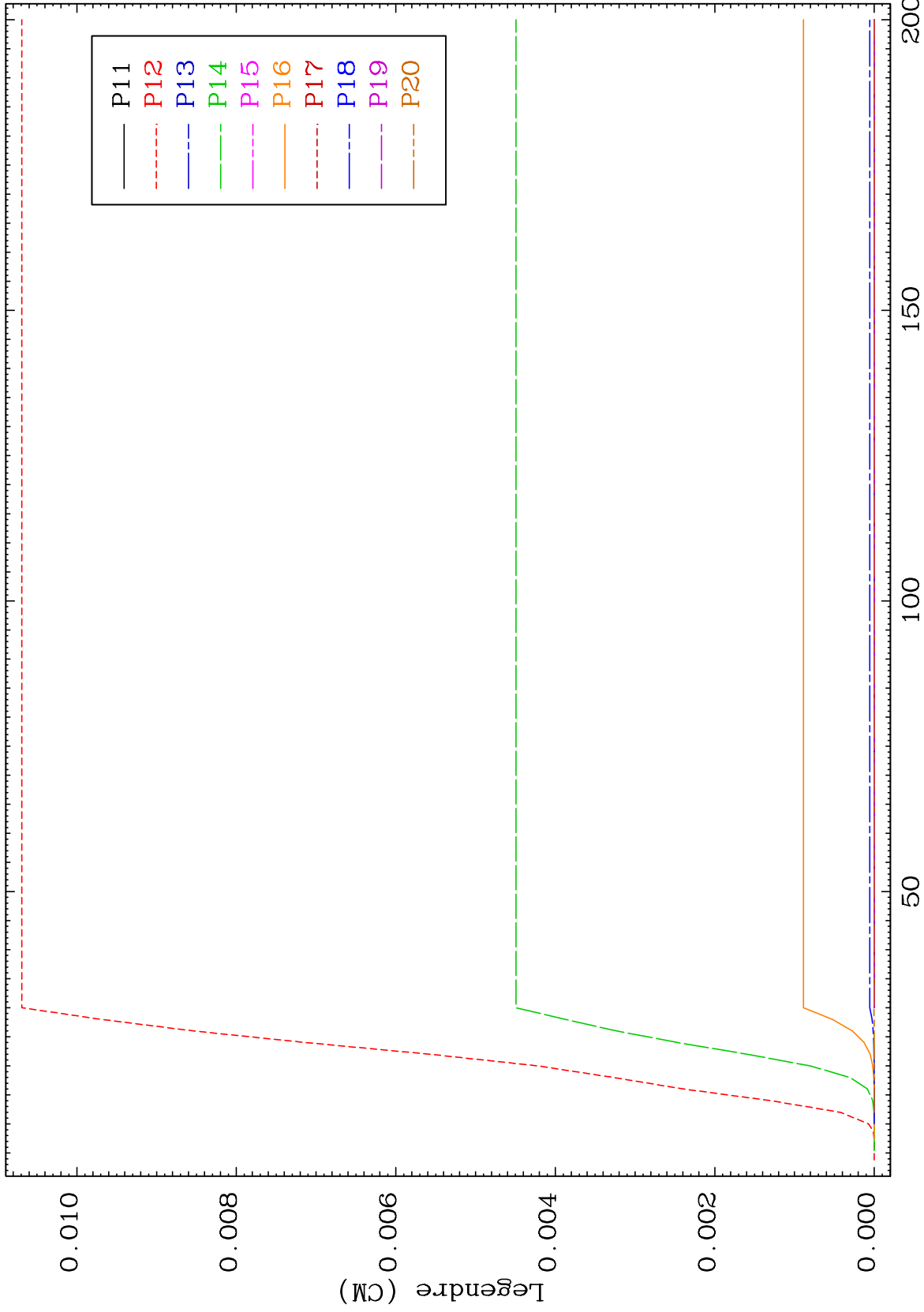
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

³⁴Se-78



103

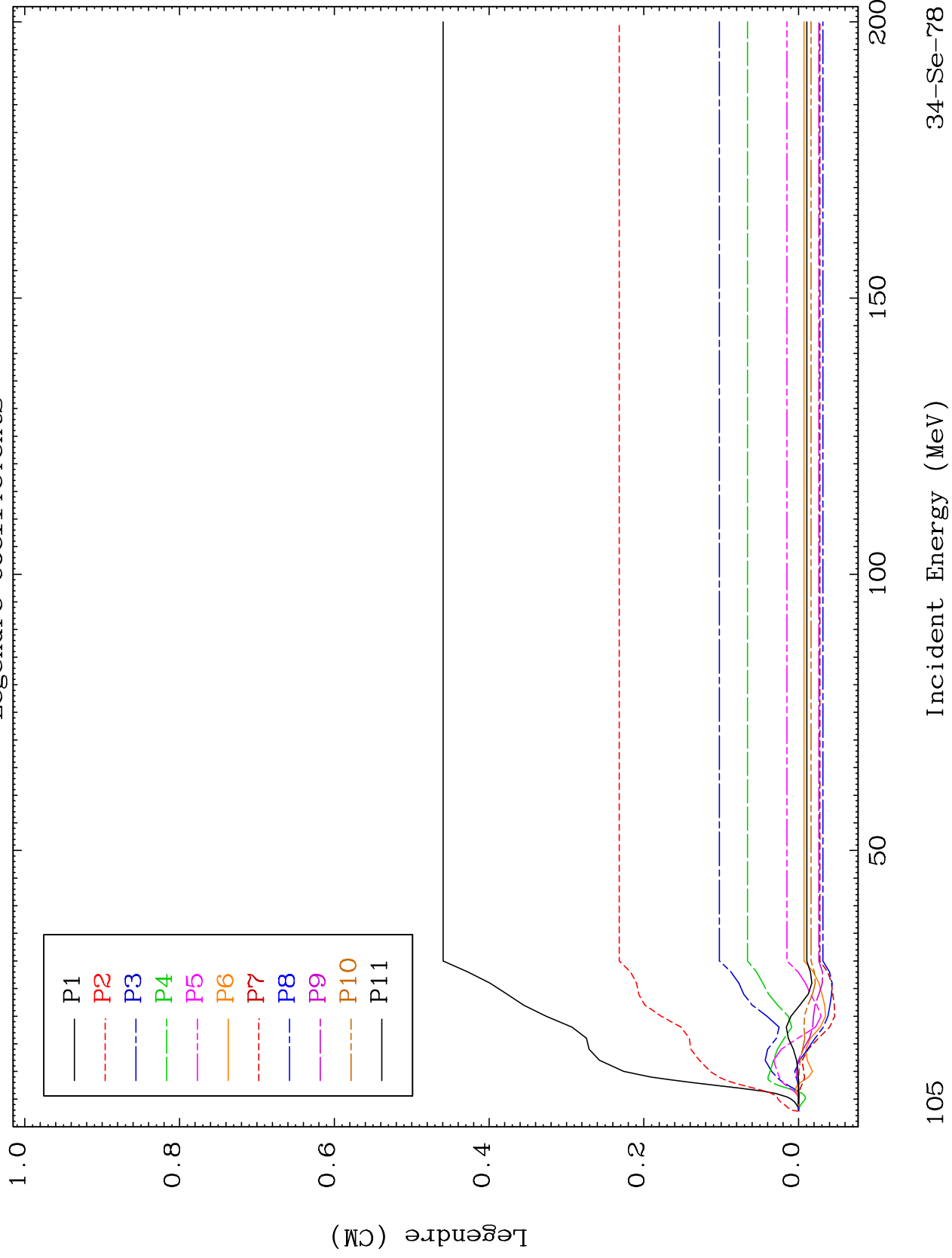
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

³⁴Se-78



105

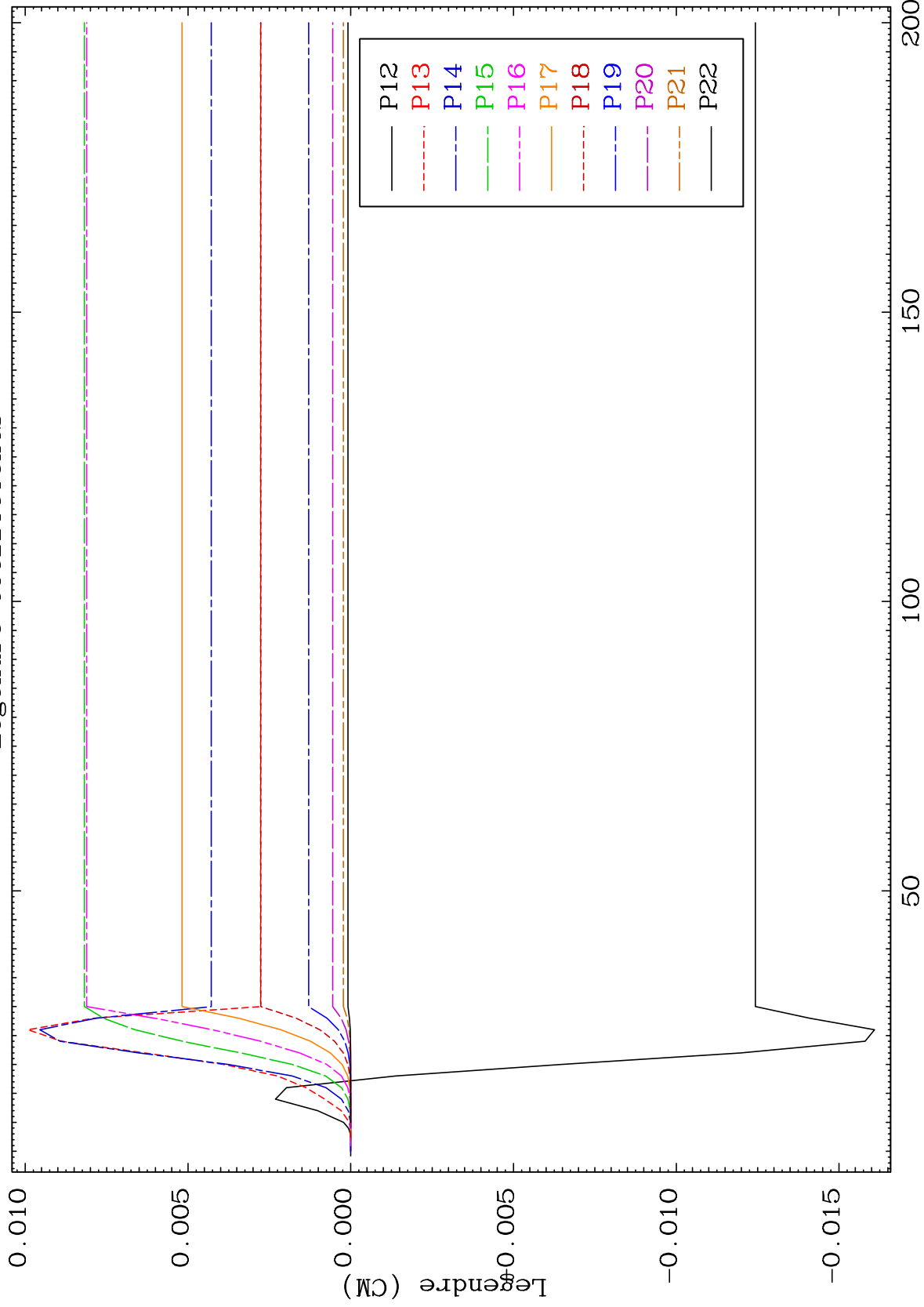
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

³⁴Se-78



106

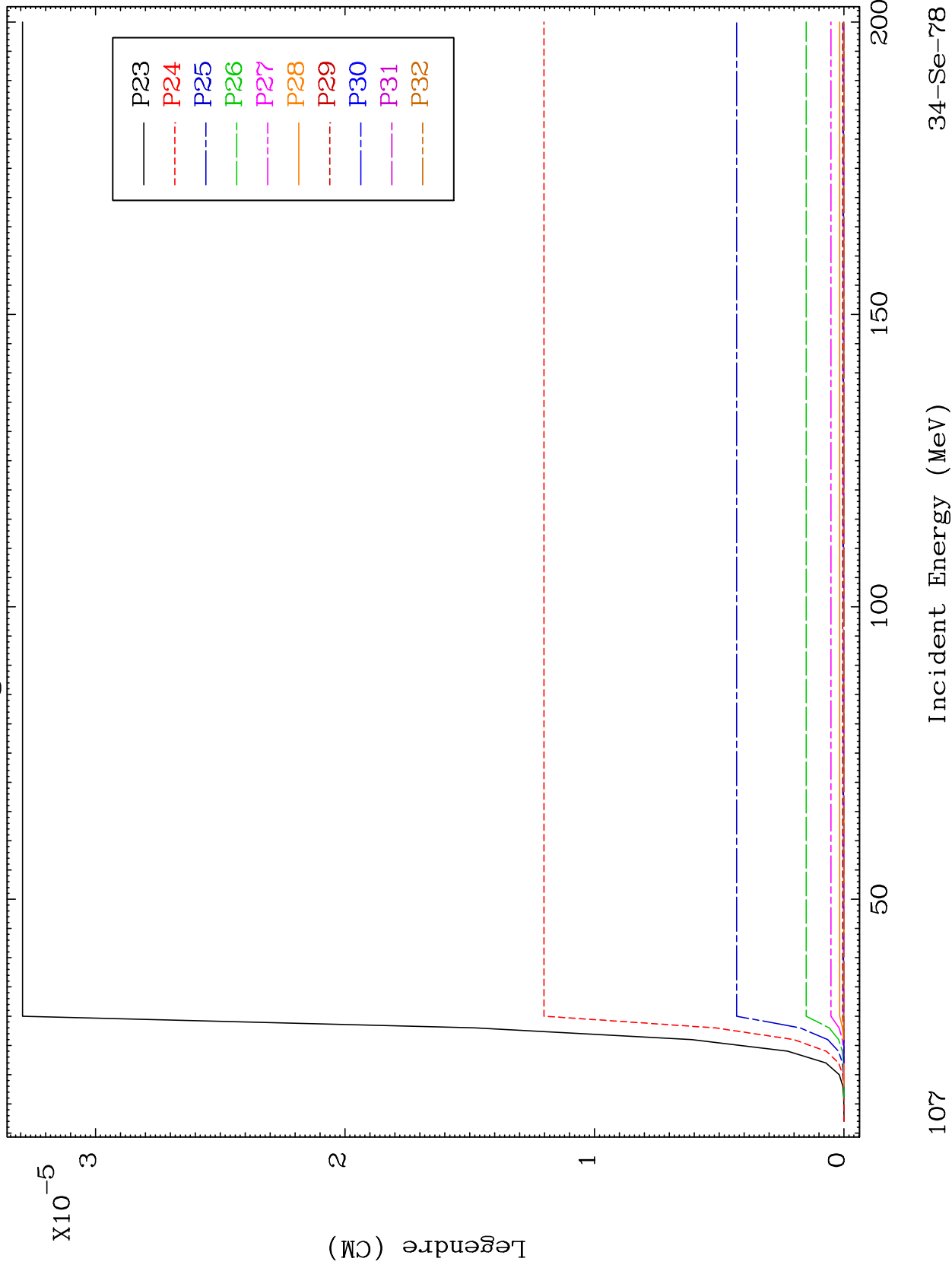
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

³⁴Se-78



107

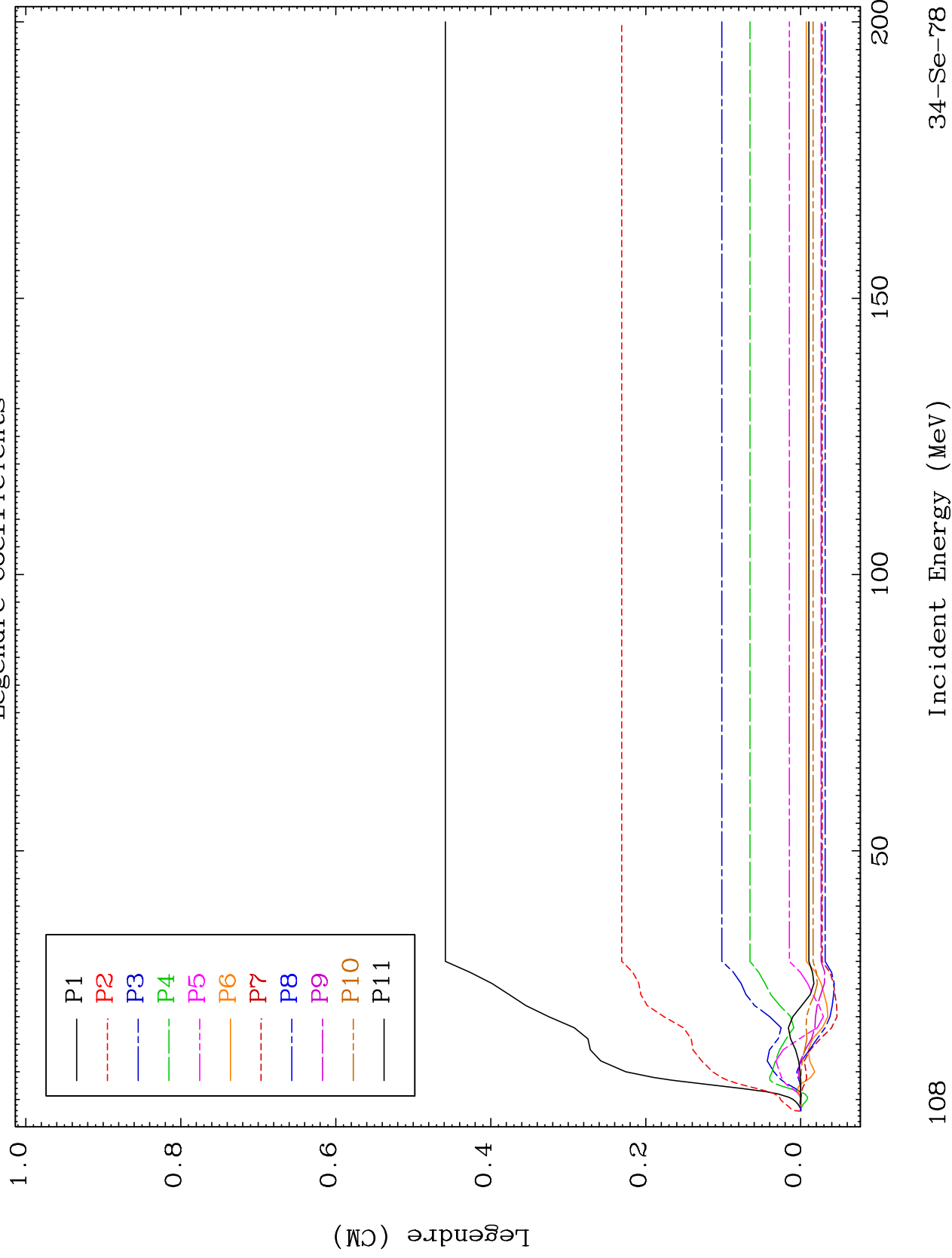
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

³⁴Se-78



108

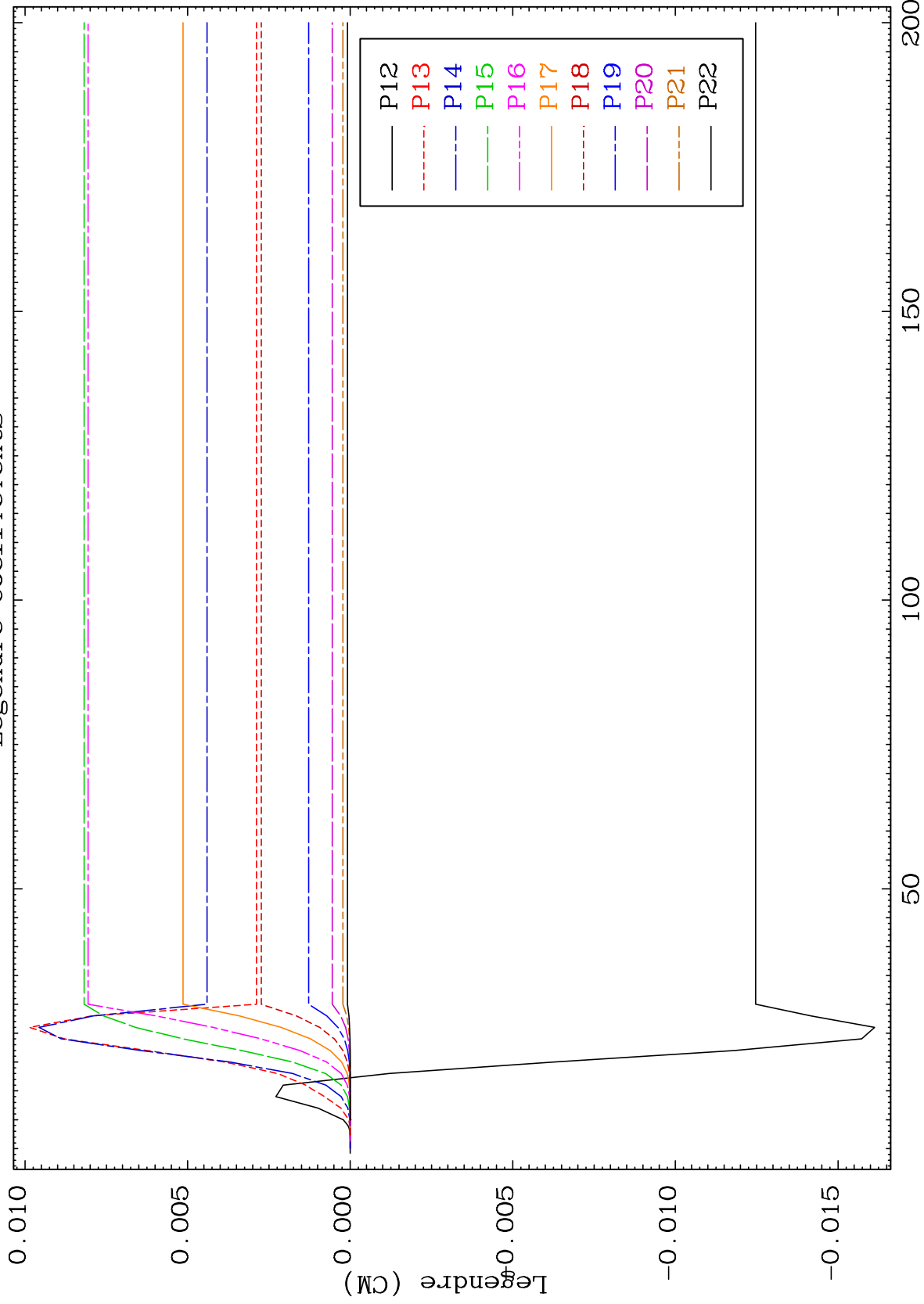
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78



109

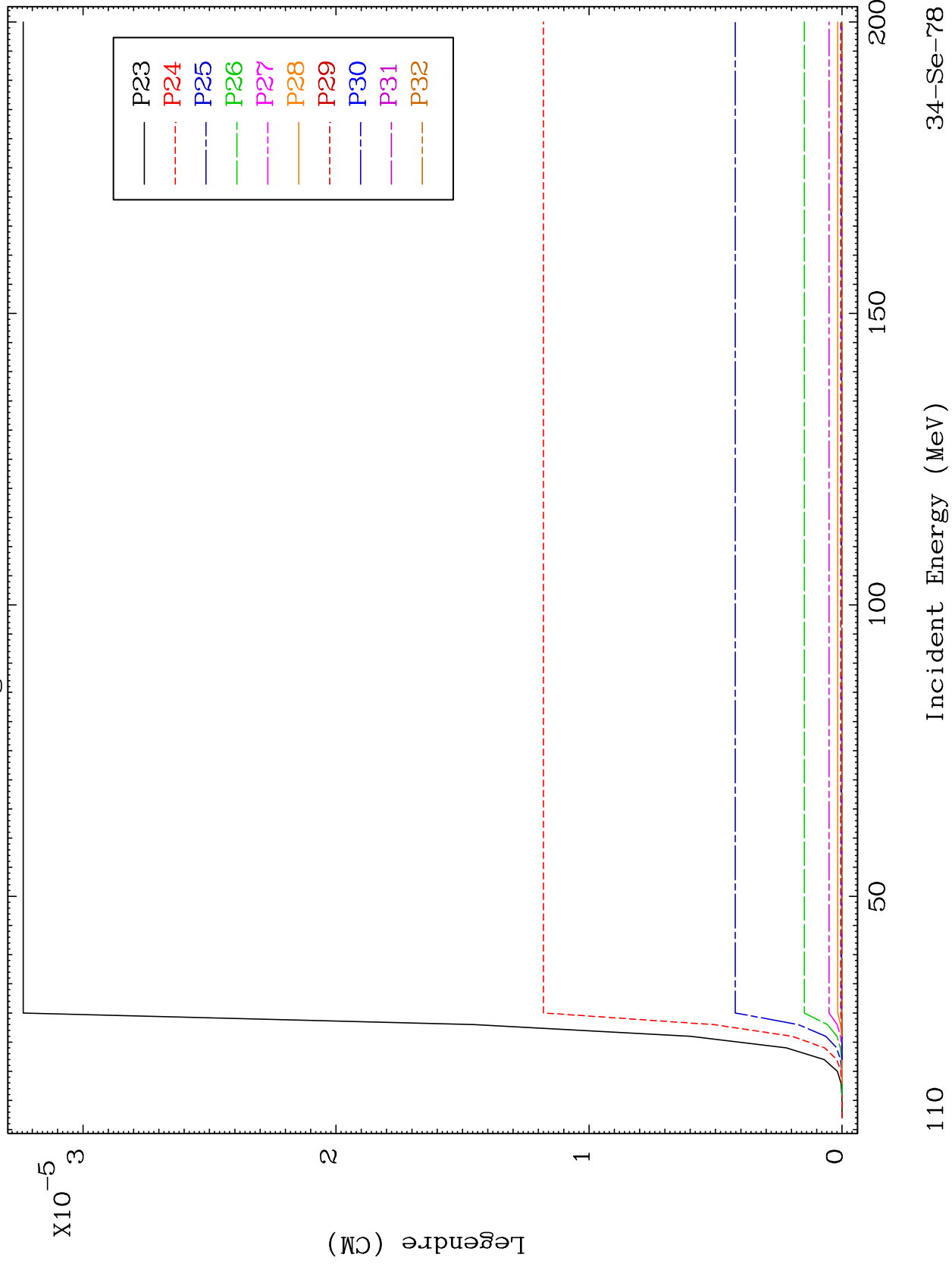
Incident Energy (MeV)

34-Se-78

MAT 3437

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

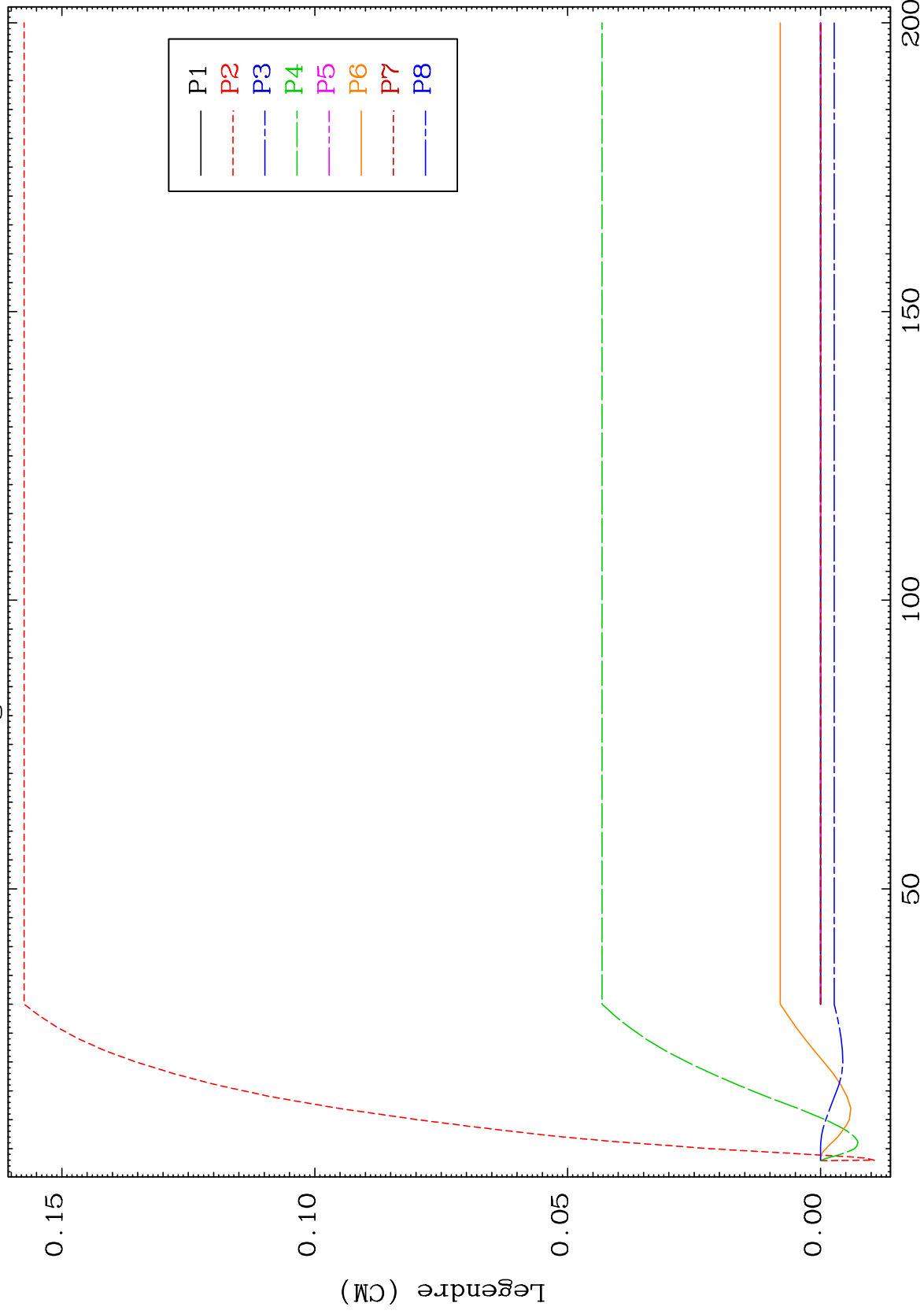
³⁴Se-78



MAT 3437

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

34-Se-78



111

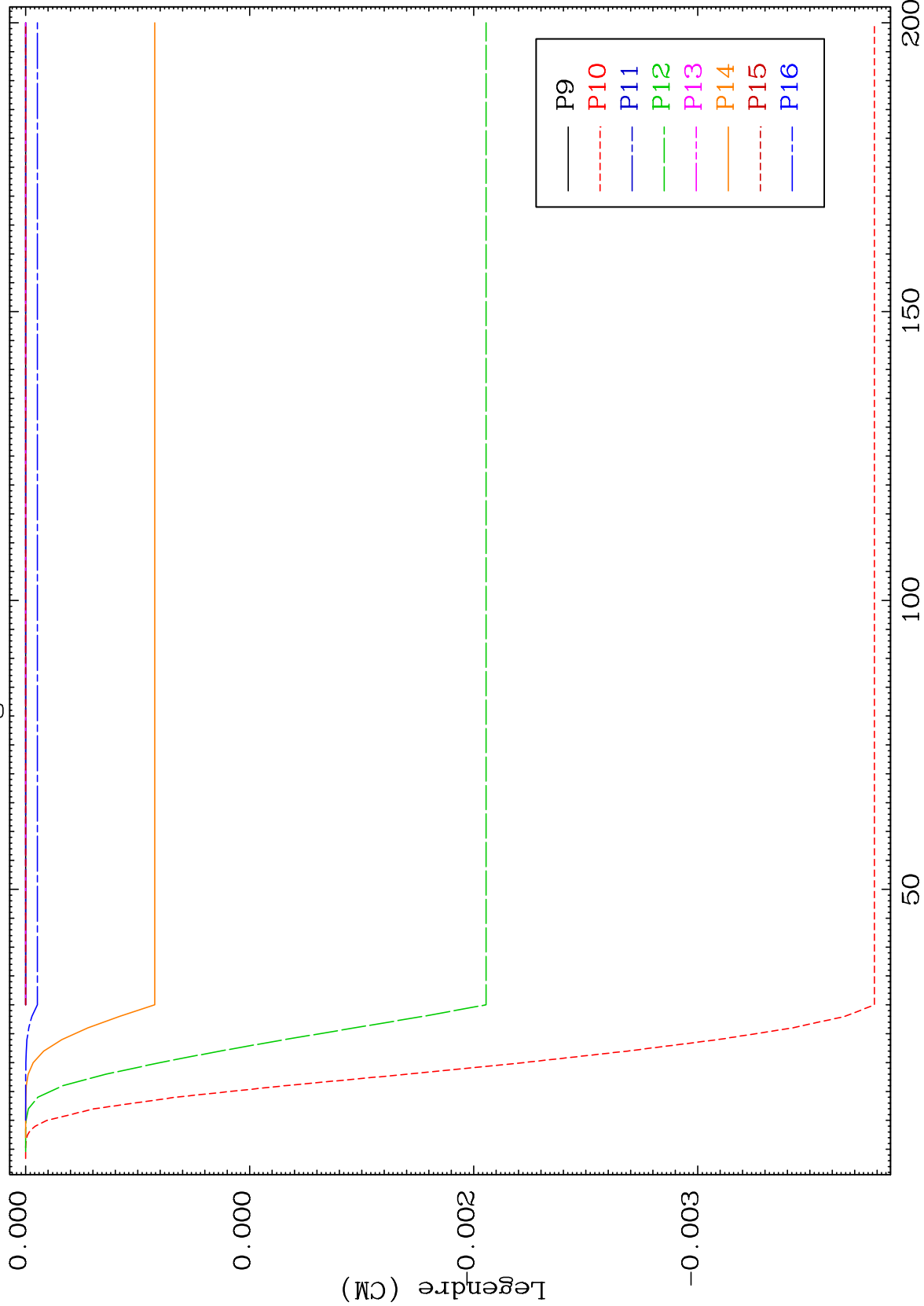
Incident Energy (MeV)

34-Se-78

MAT 3437

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

34-Se-78



112

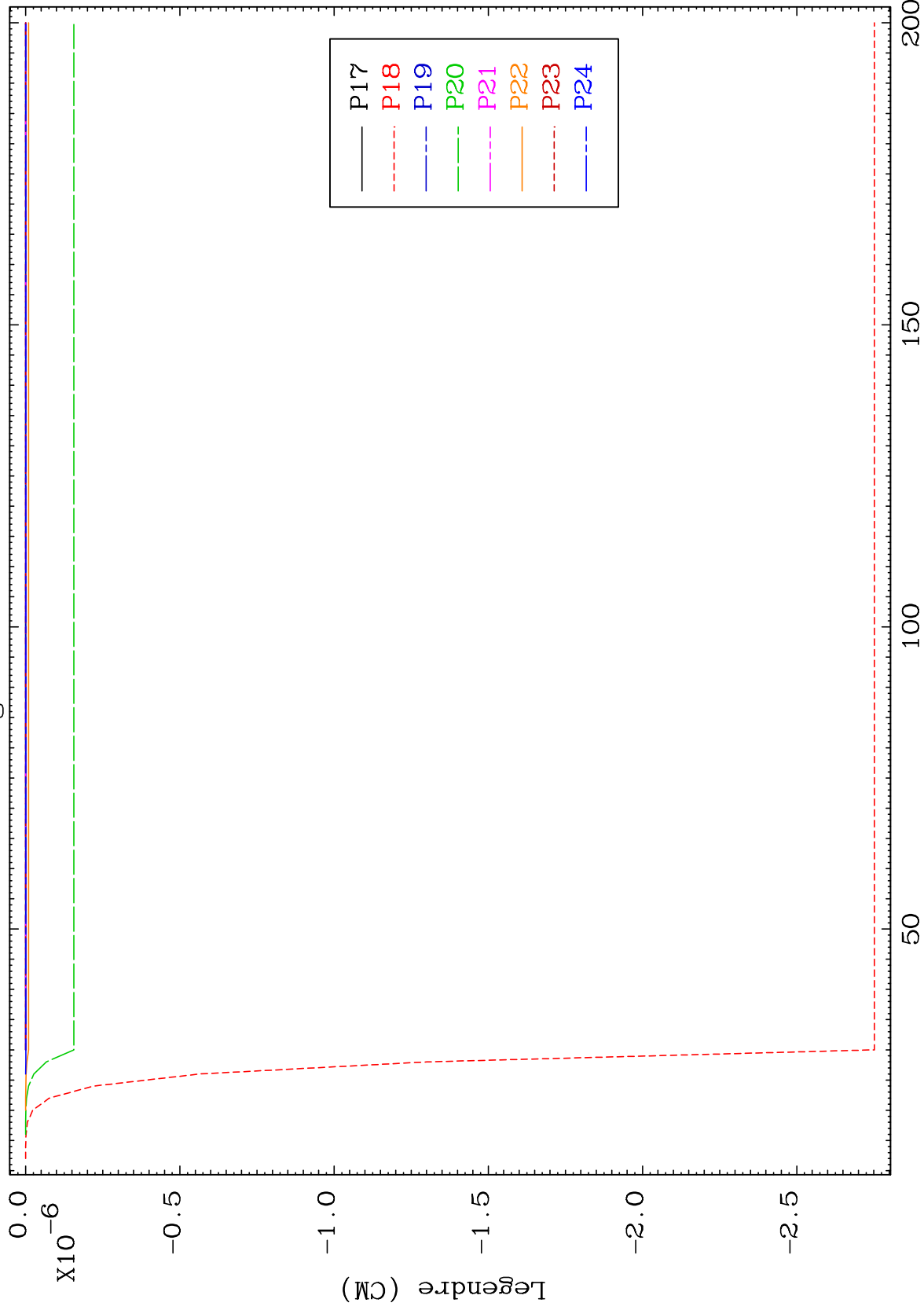
Incident Energy (MeV)

34-Se-78

MAT 3437

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

³⁴Se-78



113

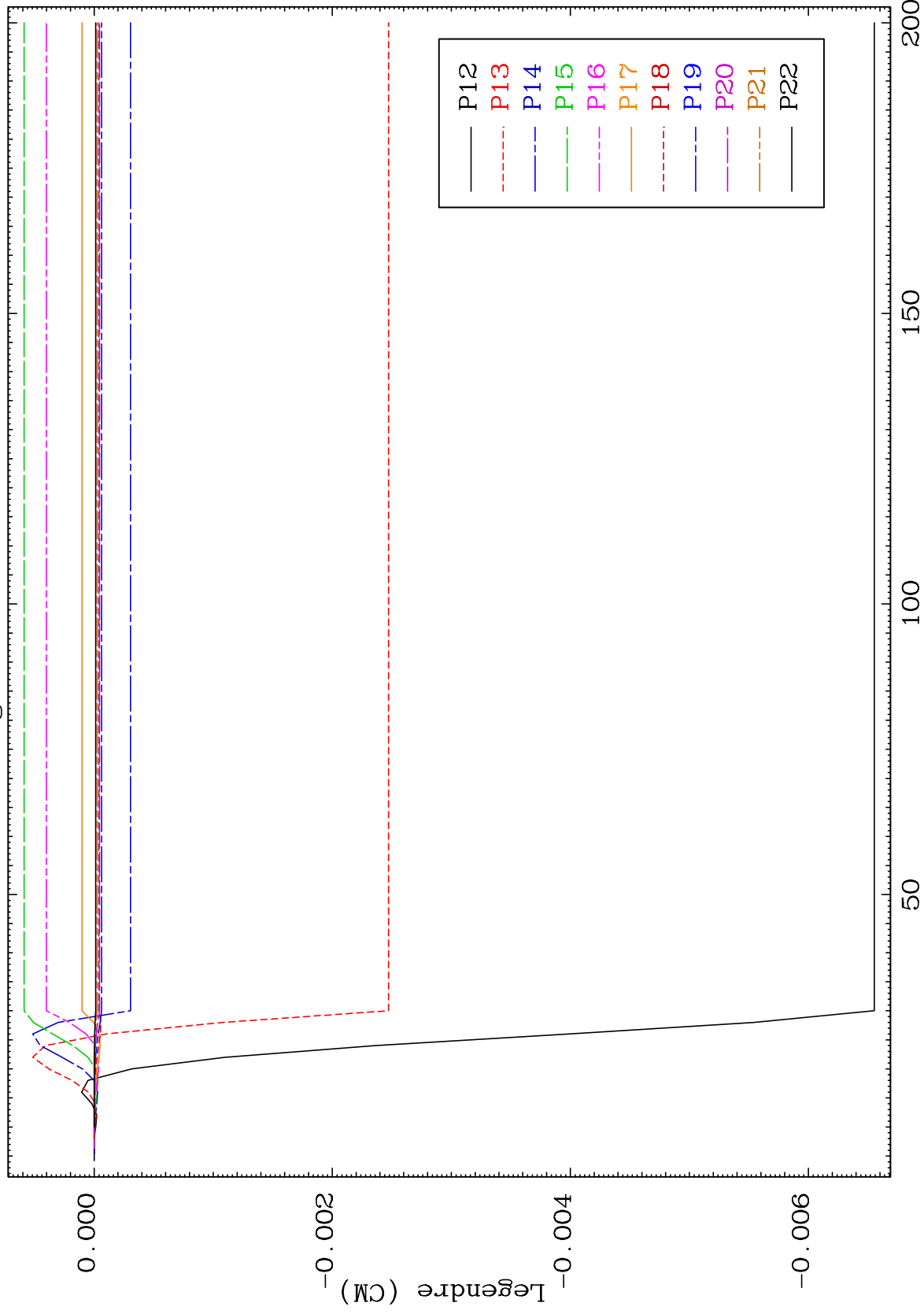
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78



115

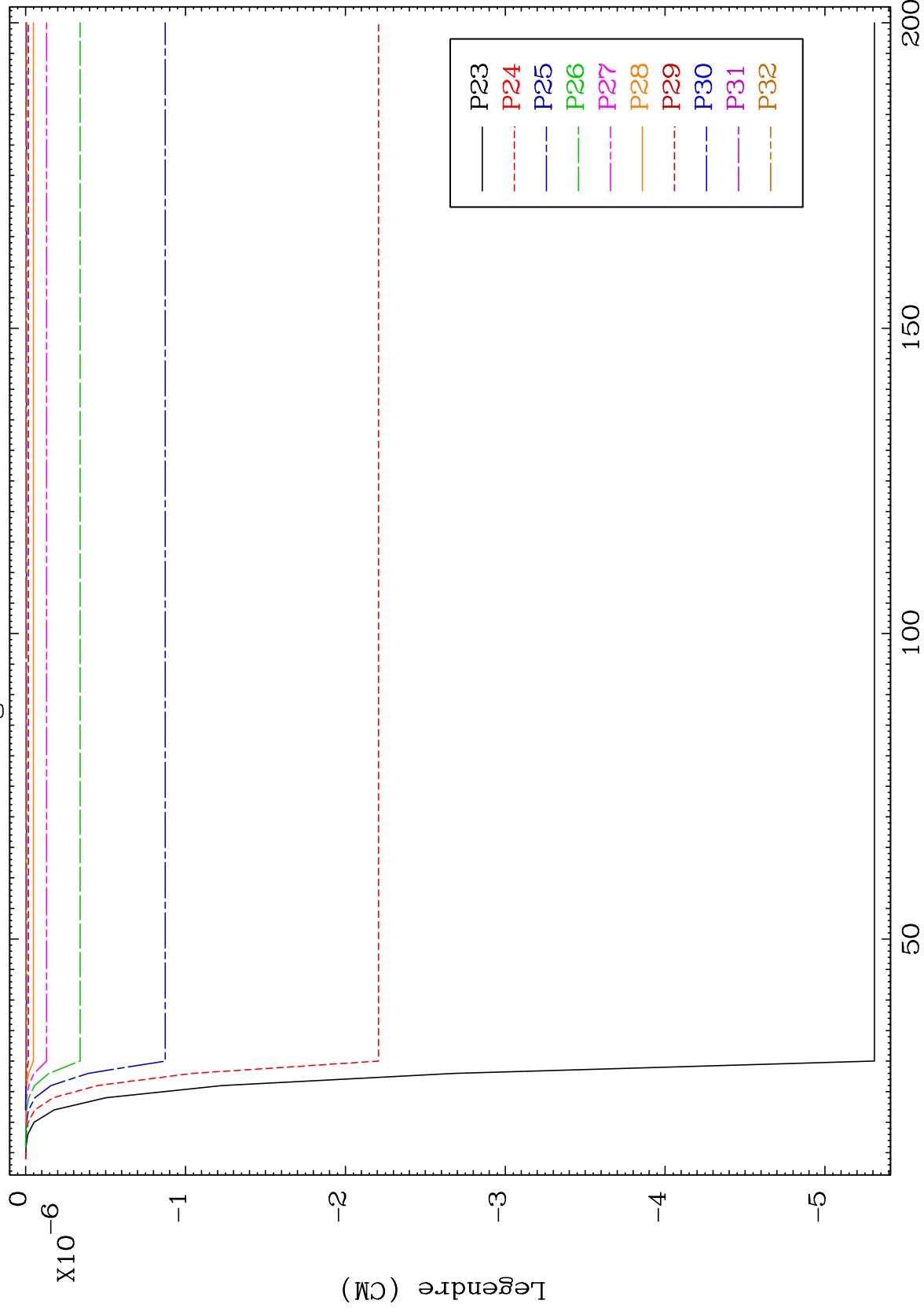
Incident Energy (MeV)

34-Se-78

MAT 3437

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

³⁴Se-78



116

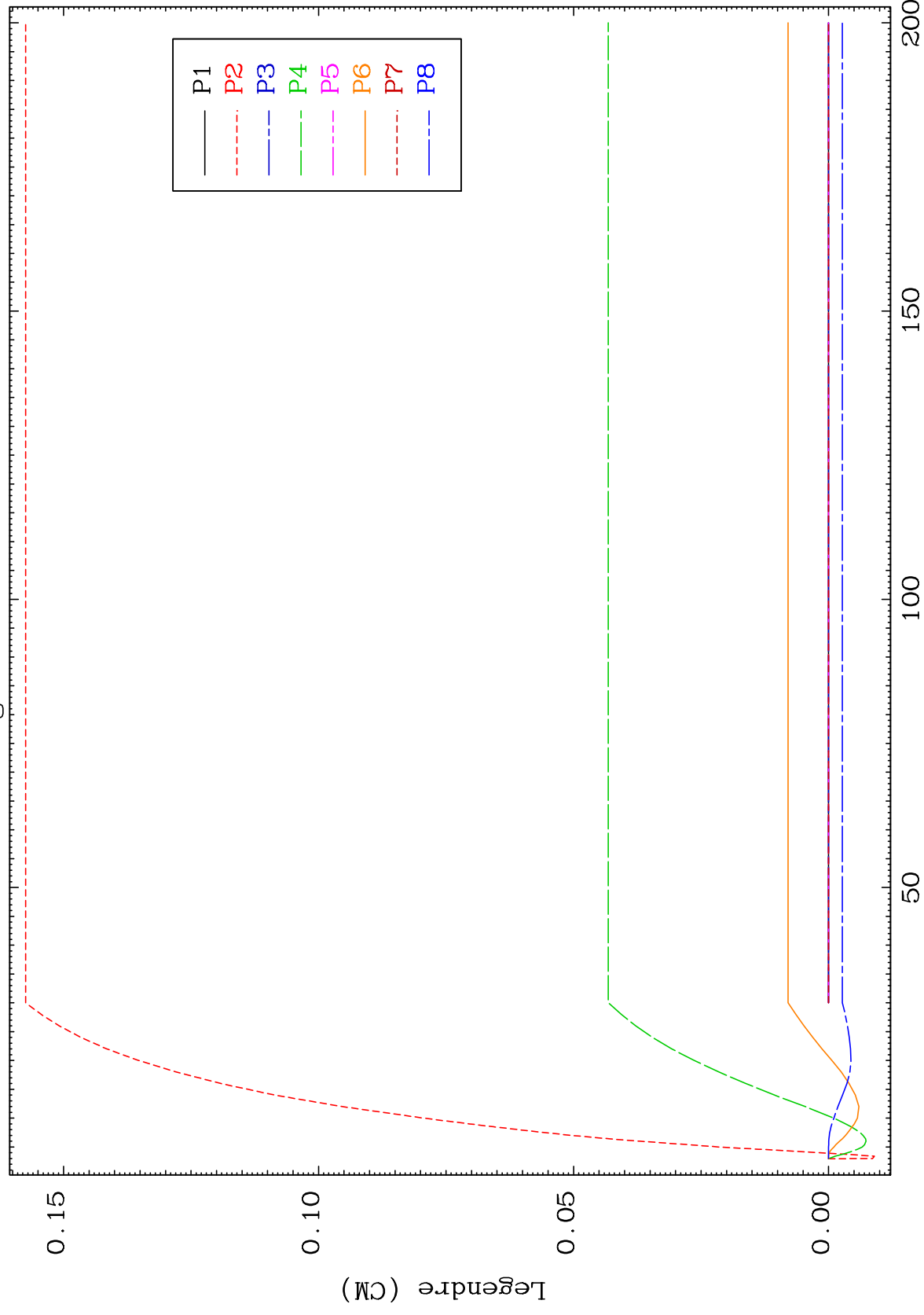
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78



117

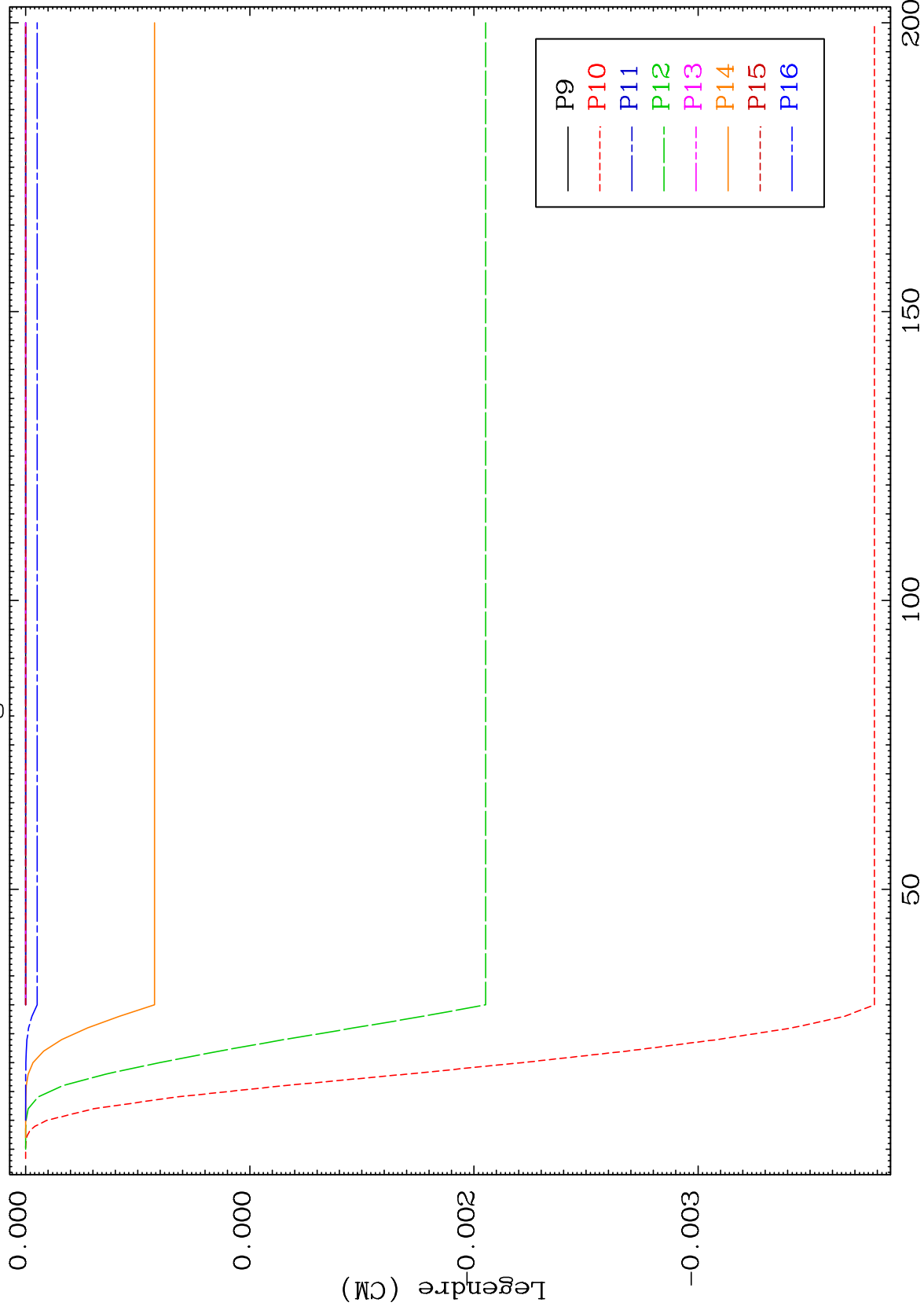
Incident Energy (MeV)

34-Se-78

MAT 3437

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

34-Se-78



118

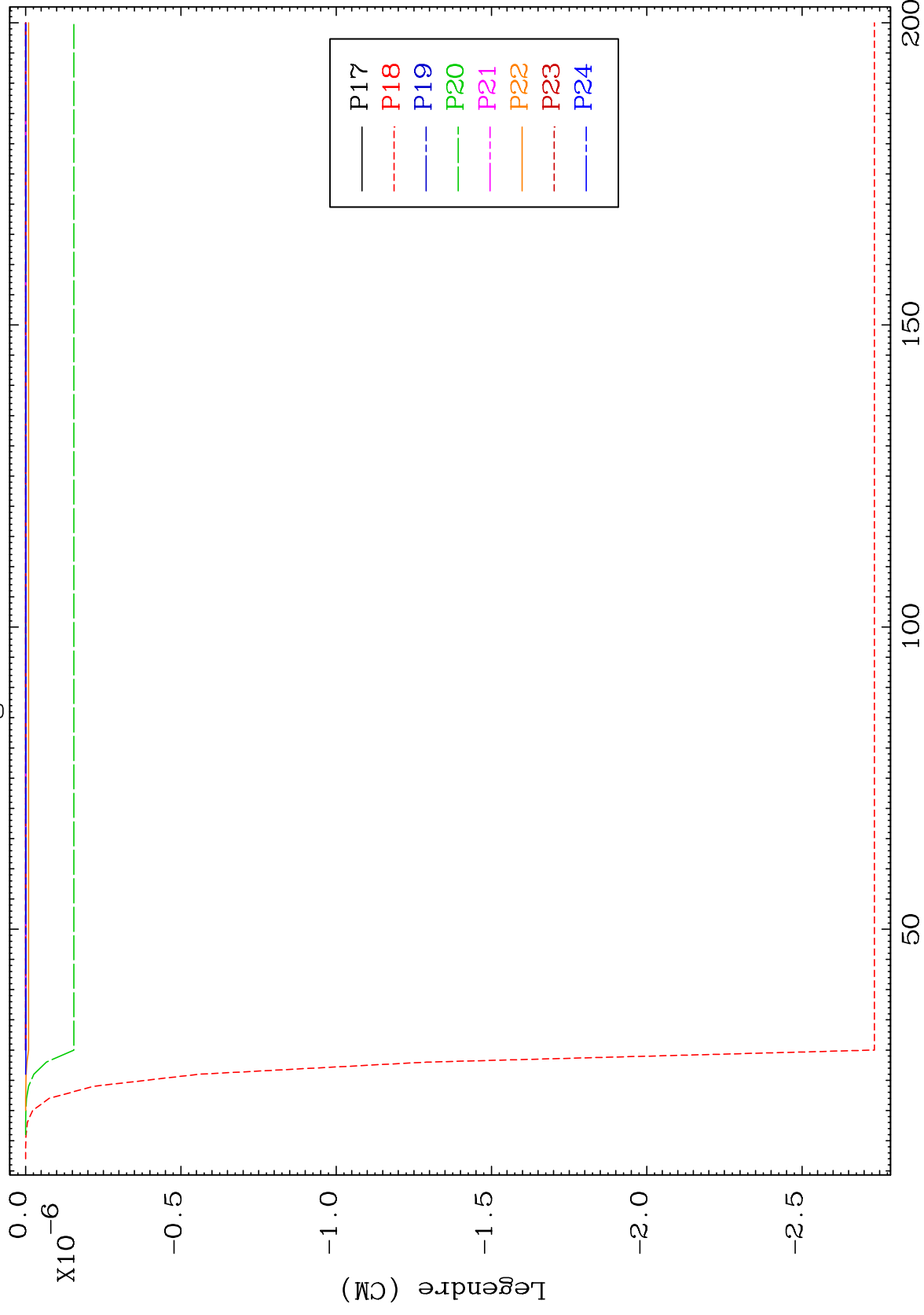
Incident Energy (MeV)

34-Se-78

MAT 3437

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

³⁴Se-78



119

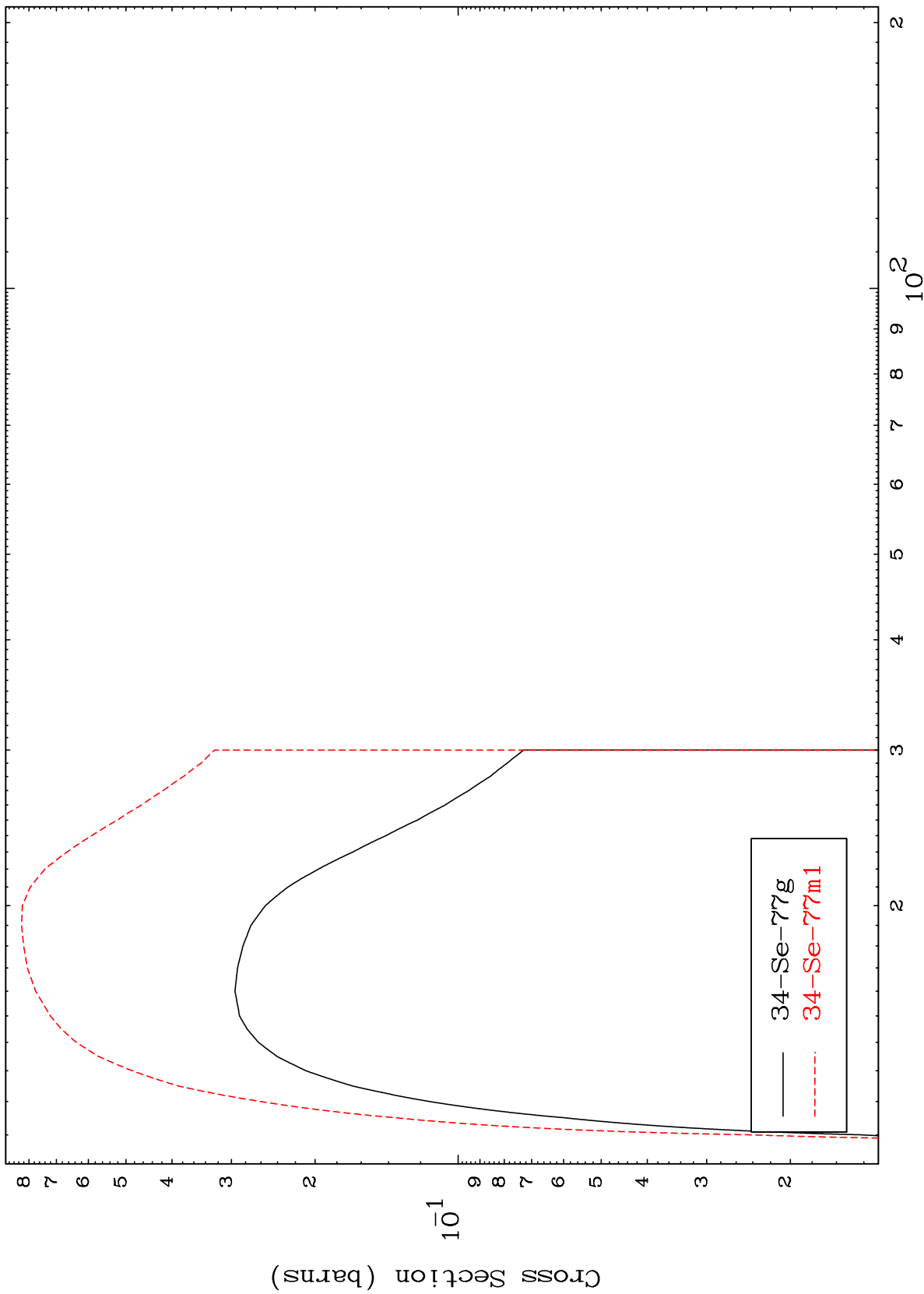
Incident Energy (MeV)

³⁴Se-78

MAT 3437

³⁴Se-78

Radionuclide Production Cross Section
(n,2n)



120

Incident Energy (MeV)

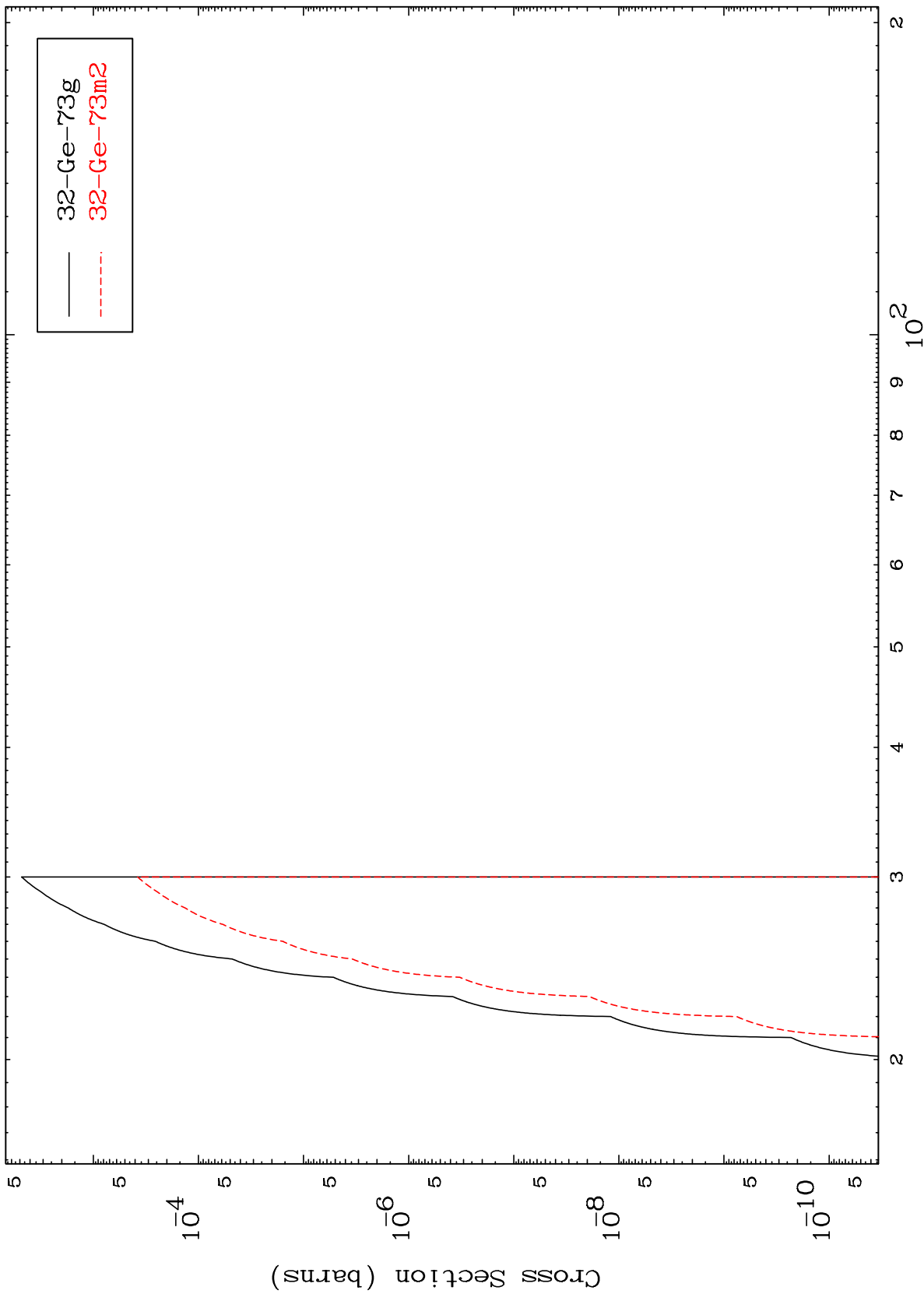
³⁴Se-78

MAT 3437

(n,2n) α

34-^{Se-78}

Radionuclide Production Cross Section



121

Incident Energy (MeV)

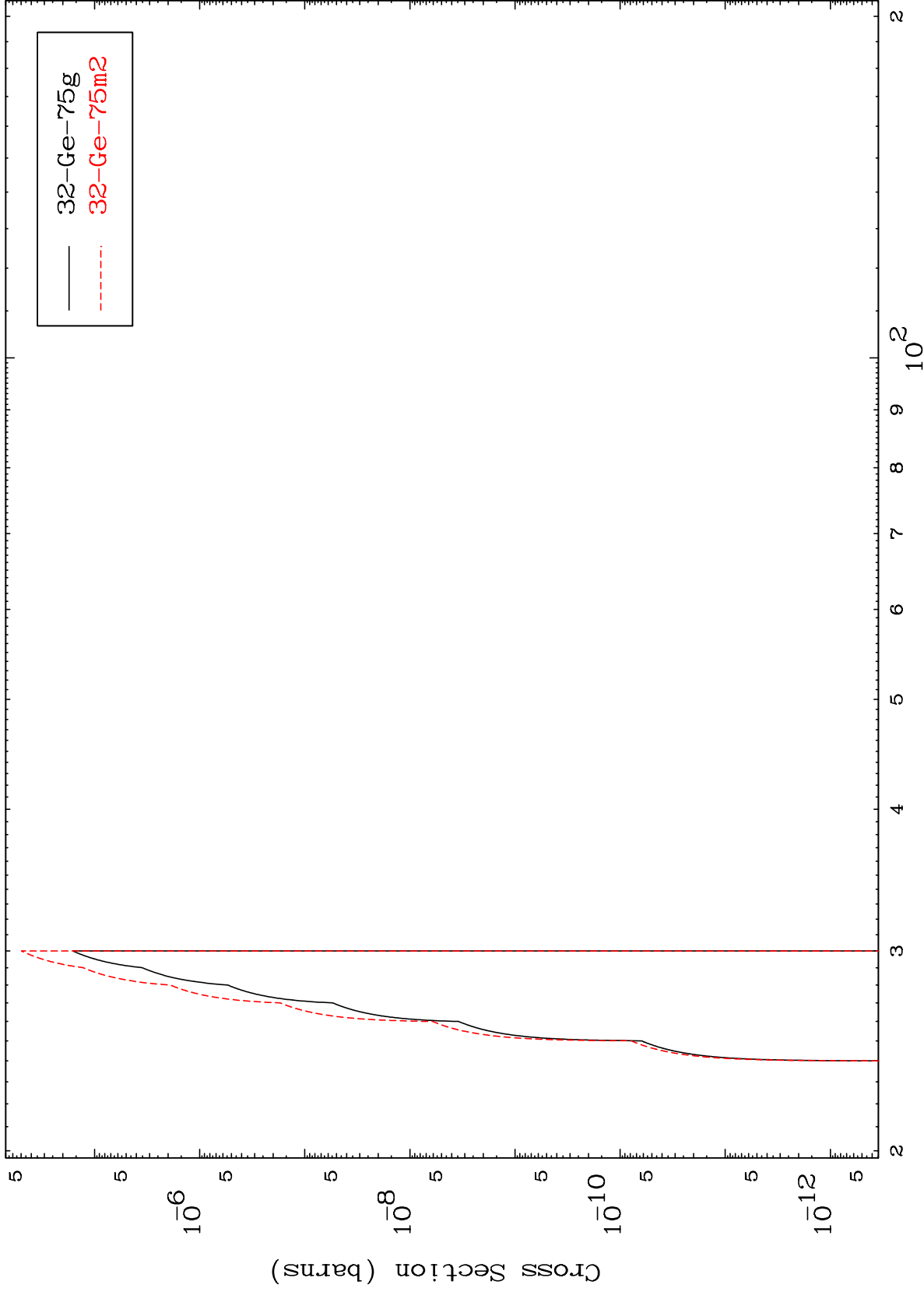
34-^{Se-78}

MAT 3437

(n,n') He-3

34-Ge-78

Radionuclide Production Cross Section



122

Incident Energy (MeV)

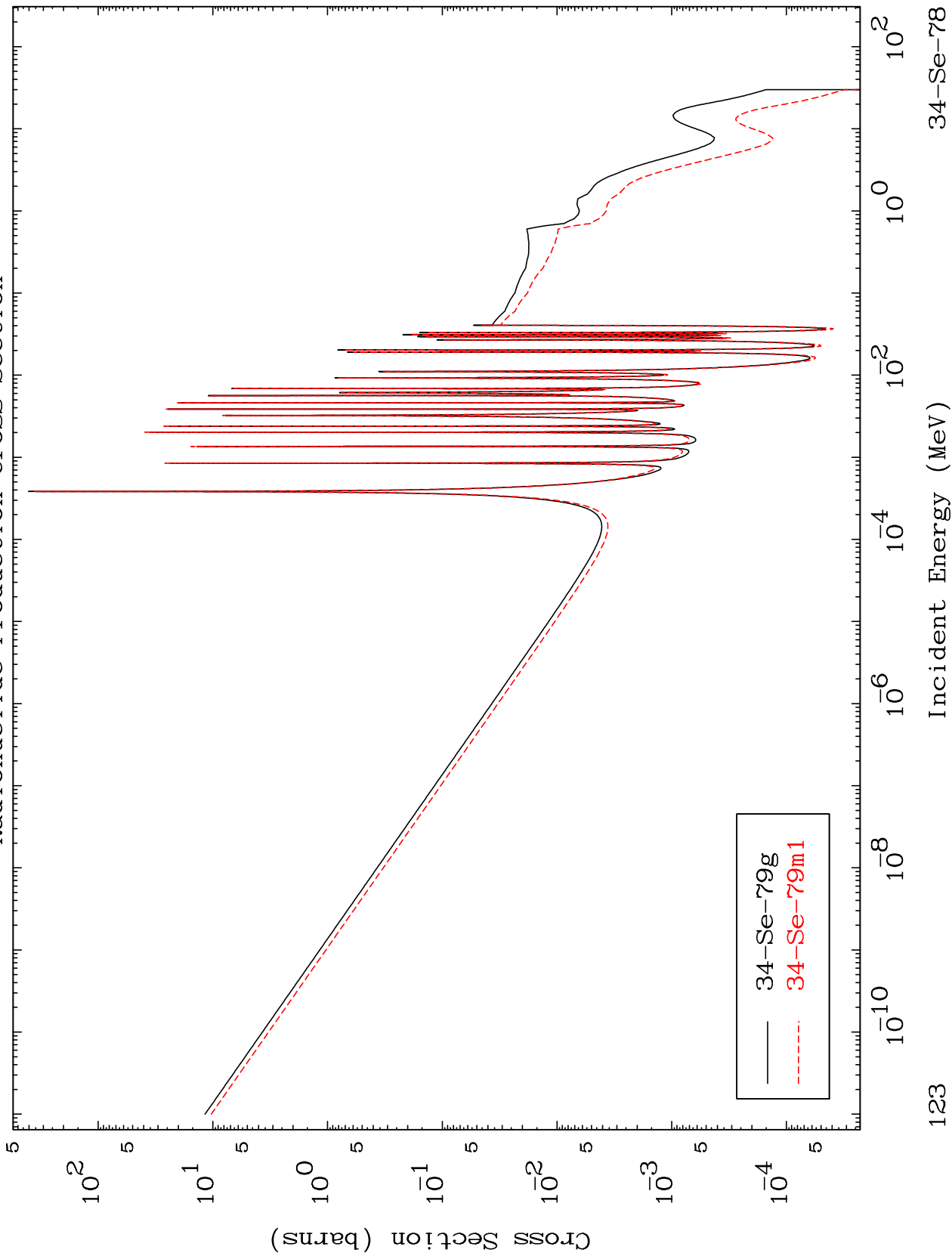
34-Ge-78

MAT 3437

³⁴Se-78

Radionuclide Production Cross Section

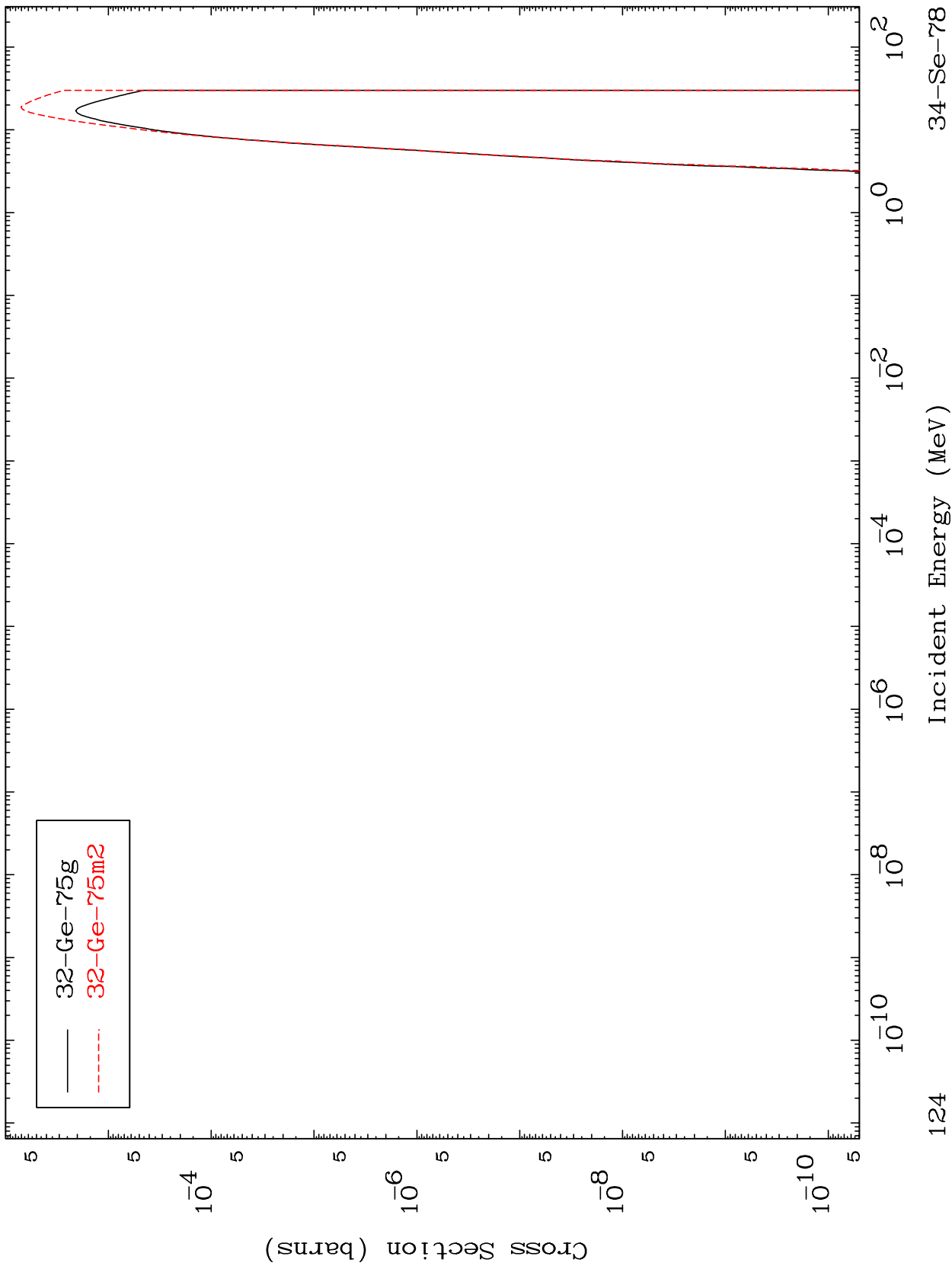
(n,γ)



MAT 3437

³⁴Se-78

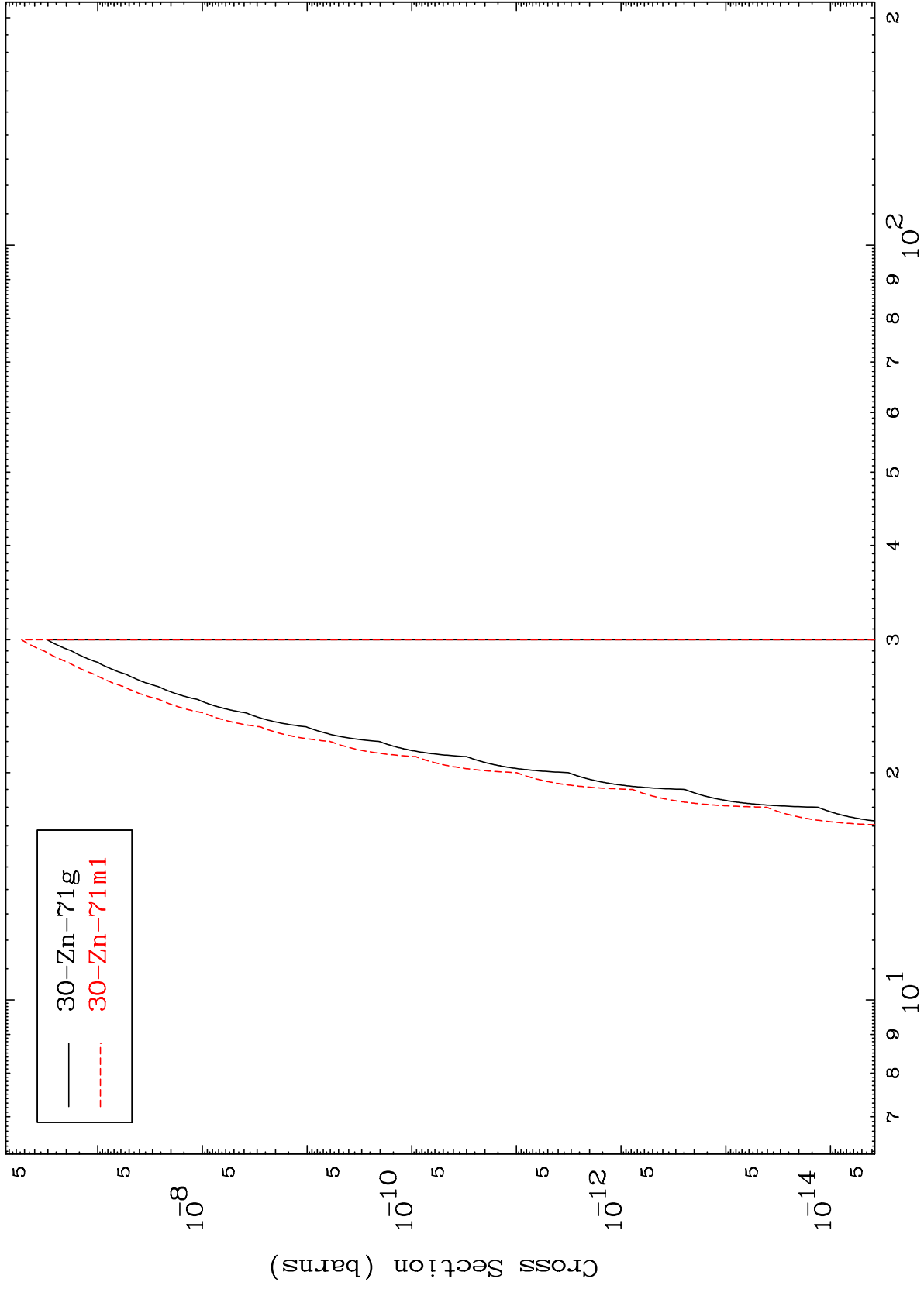
(n,α)
Radionuclide Production Cross Section



MAT 3437

³⁴Se-78

Radionuclide Production Cross Section
(n,2α)



125

Incident Energy (MeV)

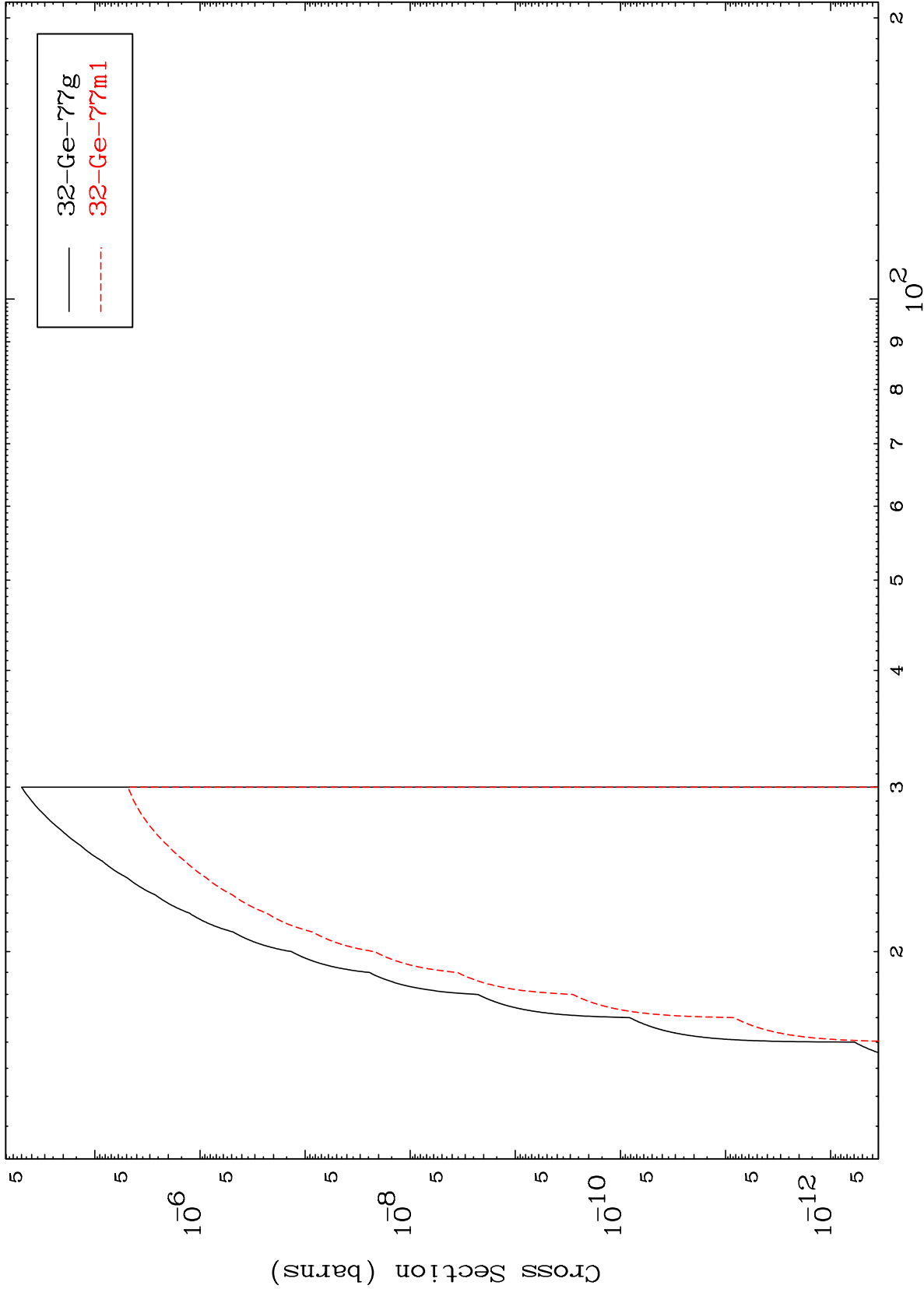
³⁴Se-78

MAT 3437

(n,2p)

34-^{Se}-78

Radionuclide Production Cross Section



126

Incident Energy (MeV)

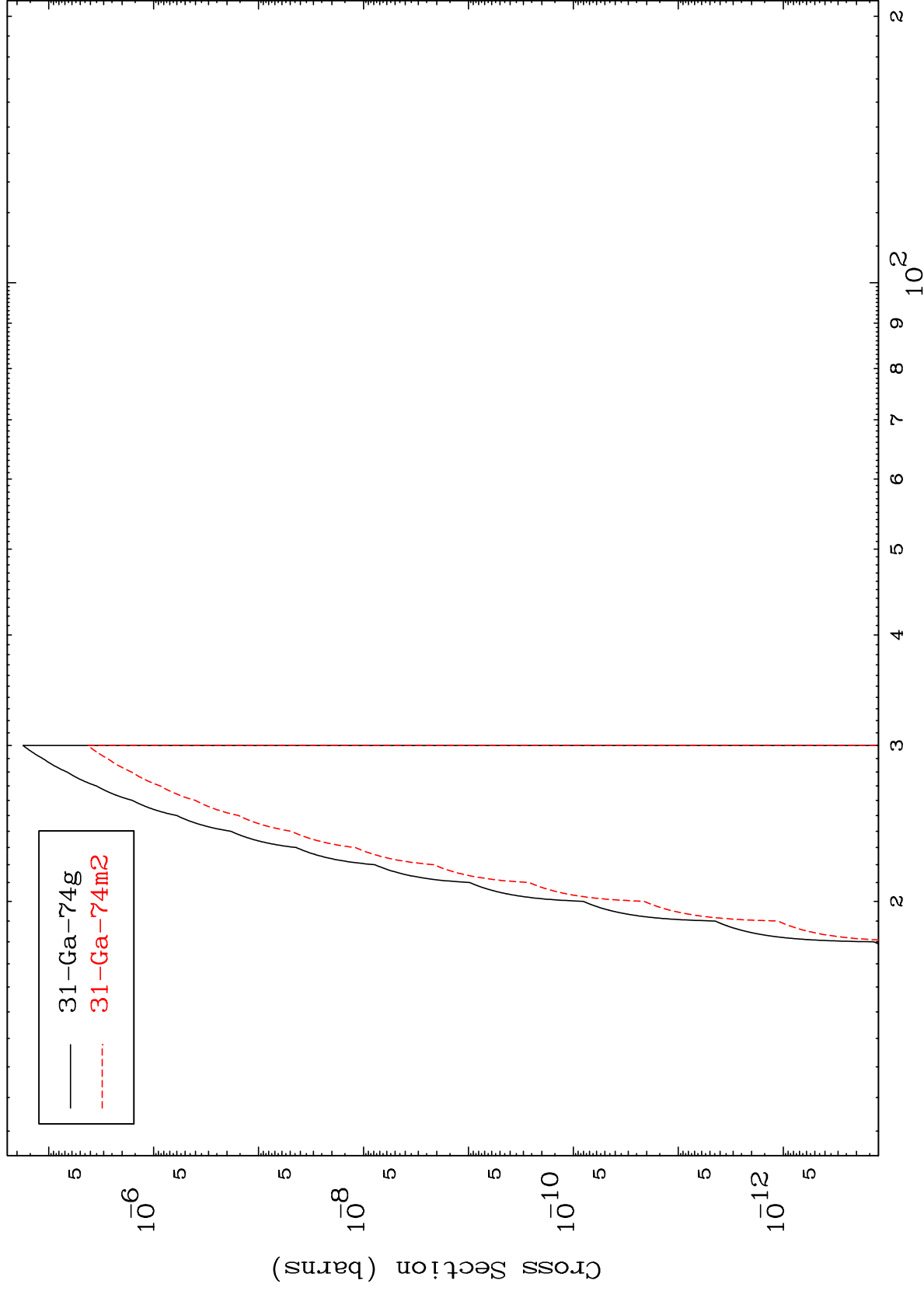
34-^{Se}-78

MAT 3437

(n,p) α

³⁴Se-78

Radionuclide Production Cross Section



127

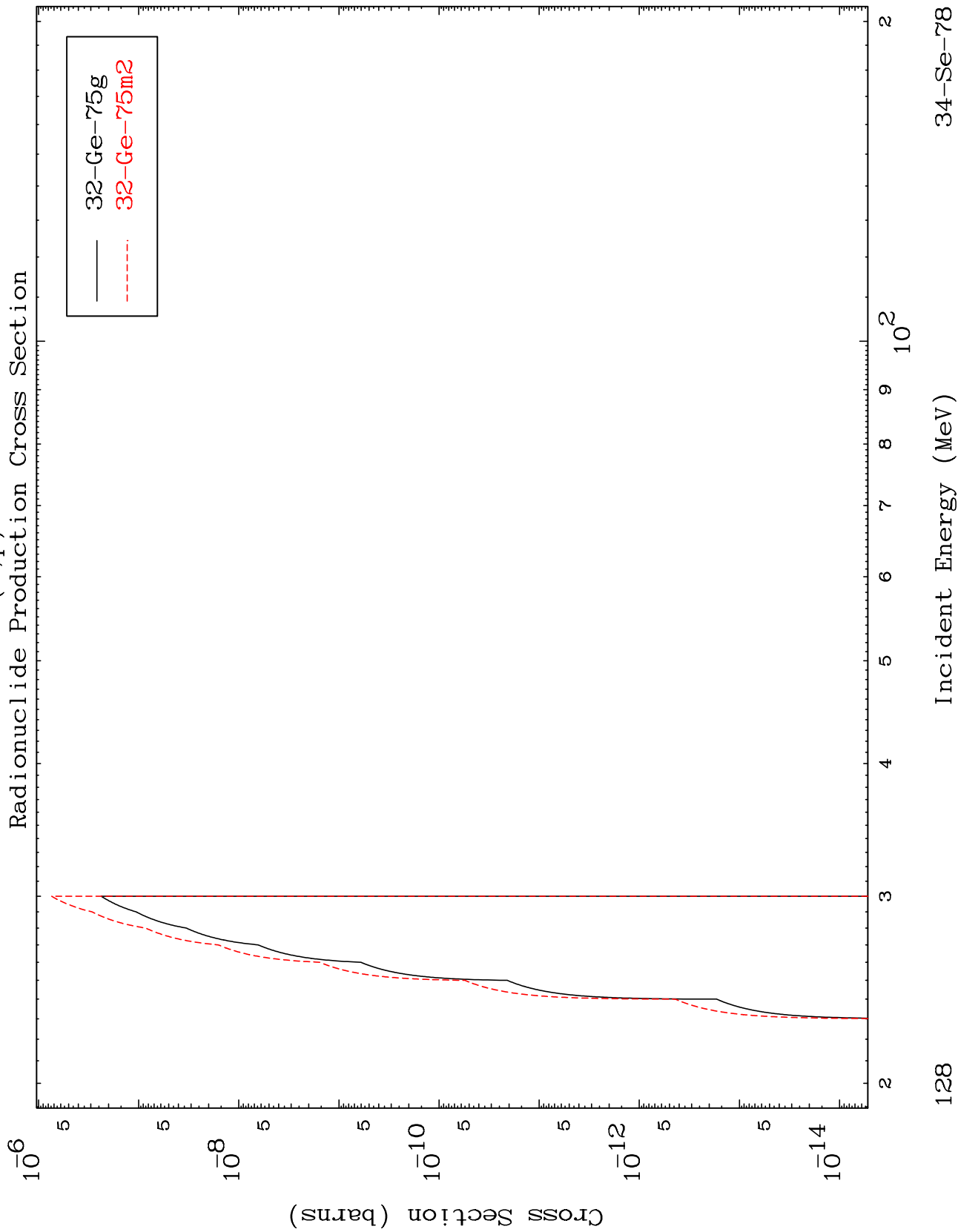
Incident Energy (MeV)

³⁴Se-78

MAT 3437

(n,p) t

³⁴Se-78



128

³⁴Se-78