

Program EVALPLOT
(Version 2021-1)

by

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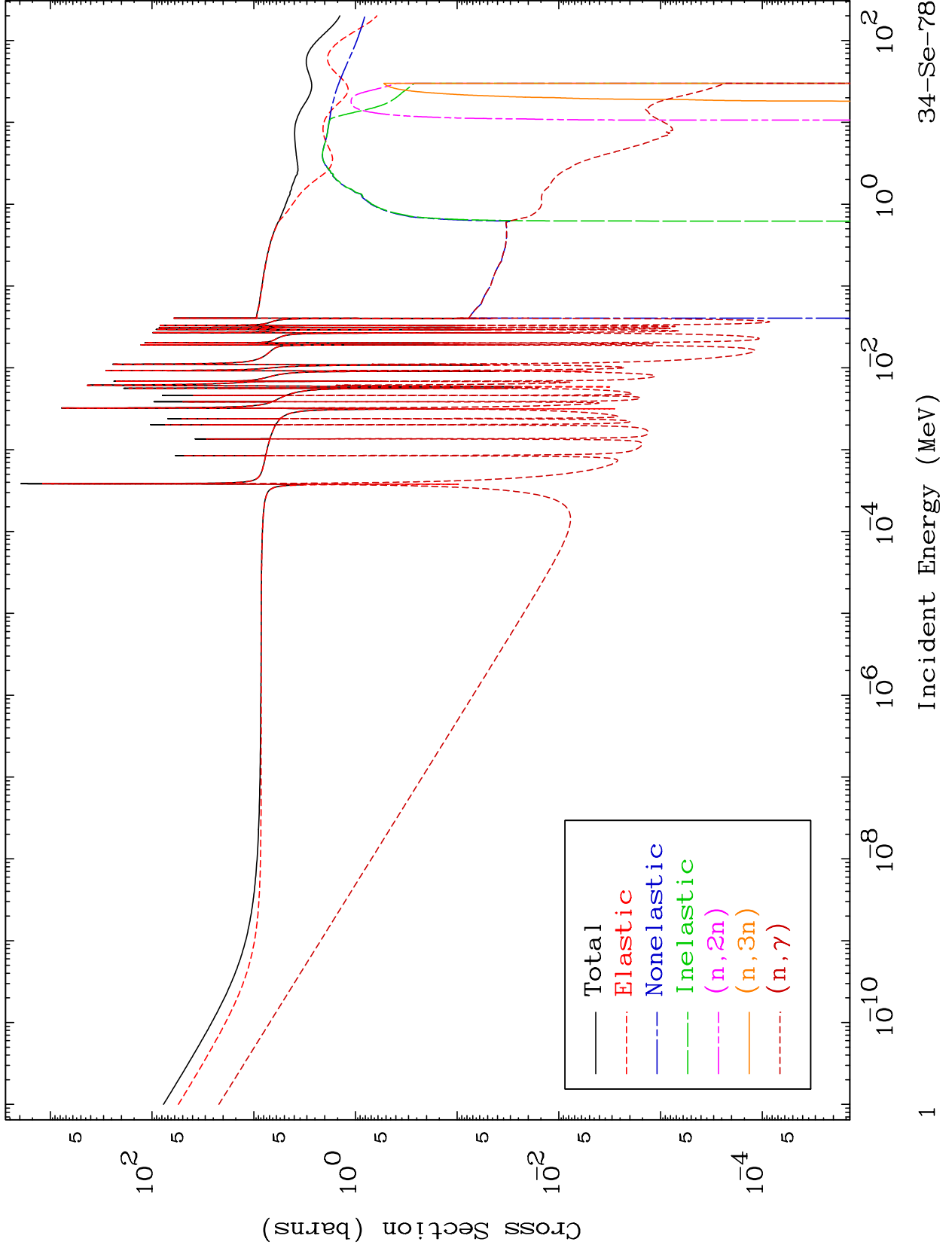
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3437

Neutron Major
293 Kelvin Cross Sections

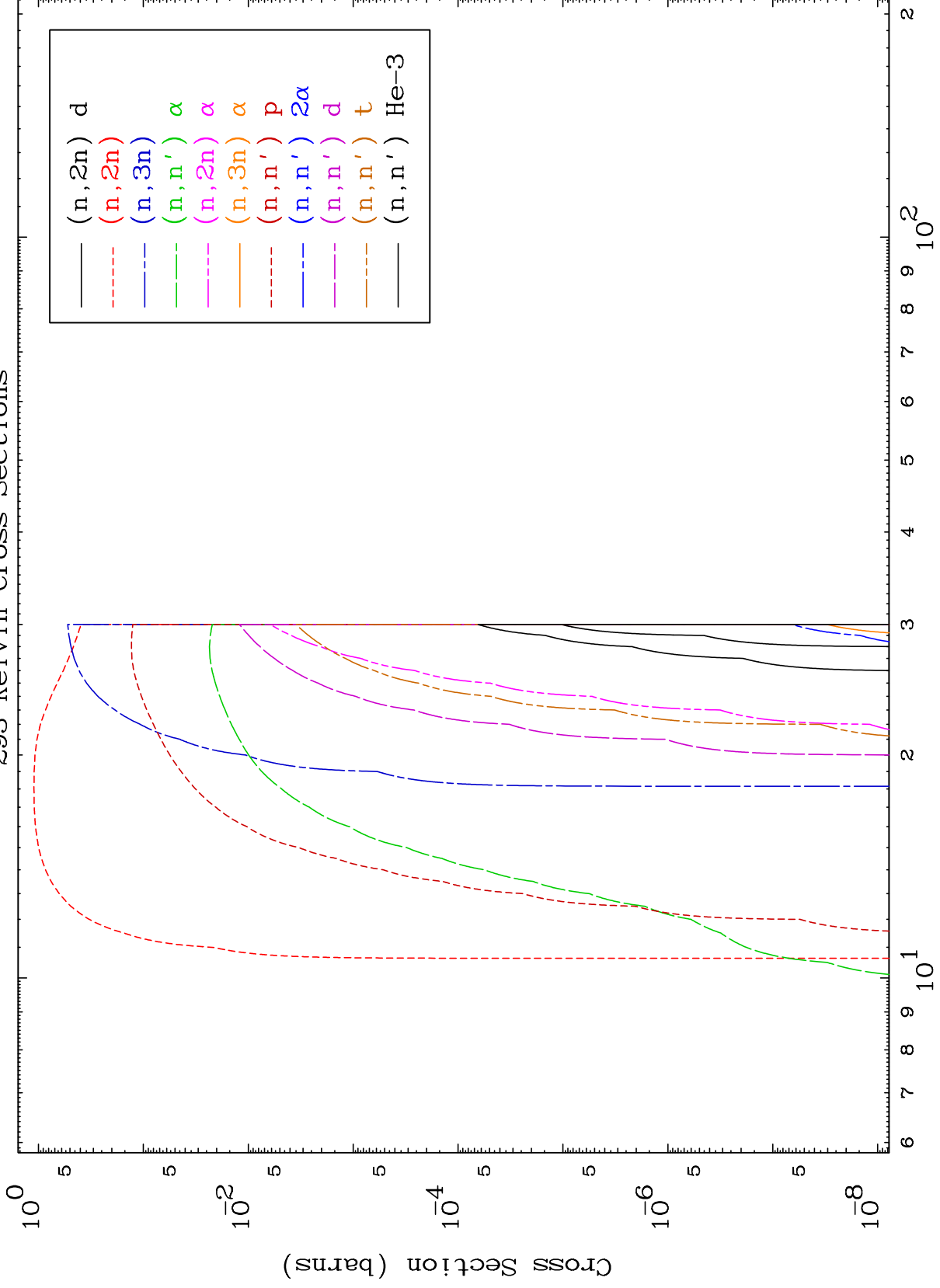
34-Se-78



MAT 3437

Neutron Absorption
293 Kelvin Cross Sections

34-Se-78



2

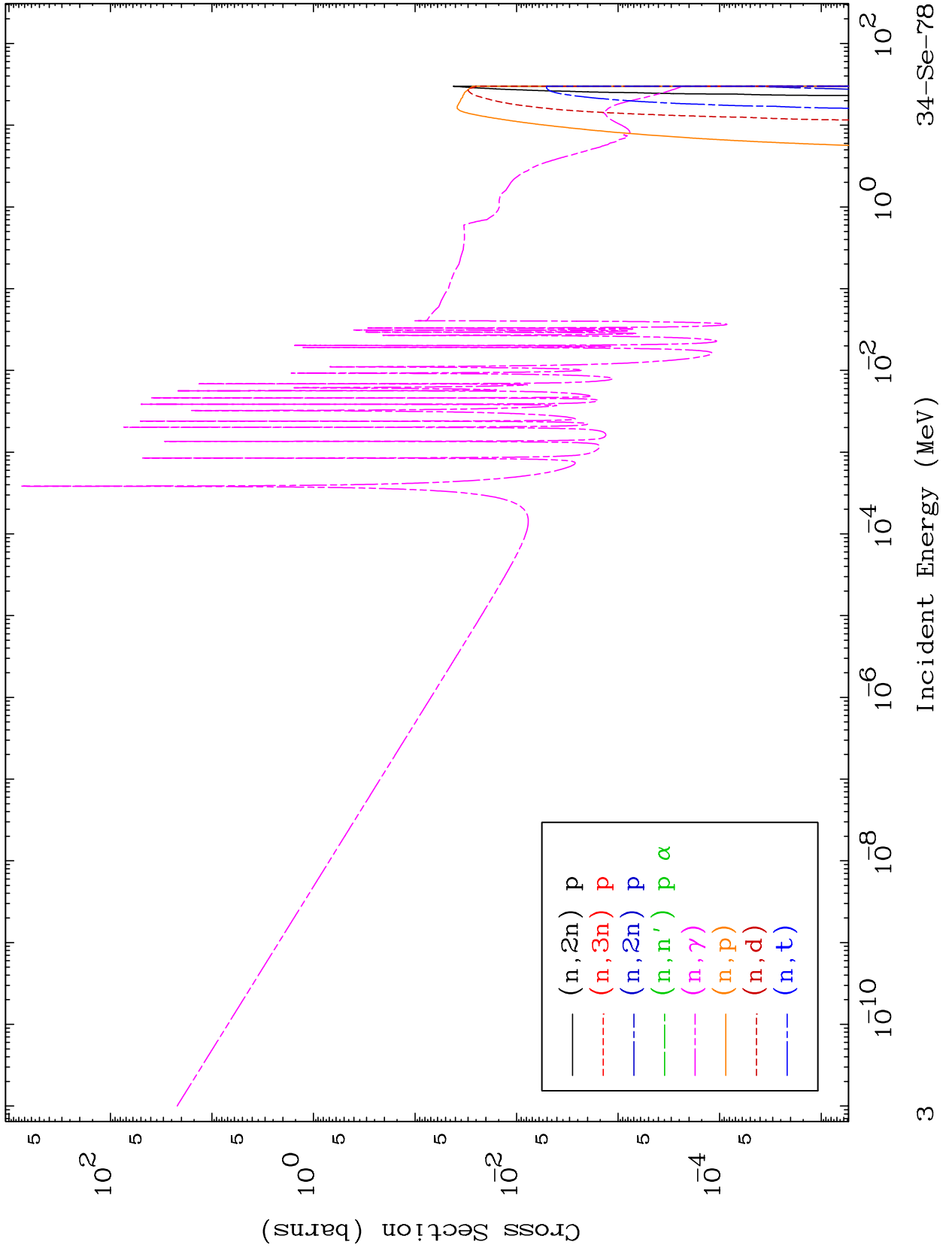
Incident Energy (MeV)

34-Se-78

MAT 3437

Neutron Absorption
293 Kelvin Cross Sections

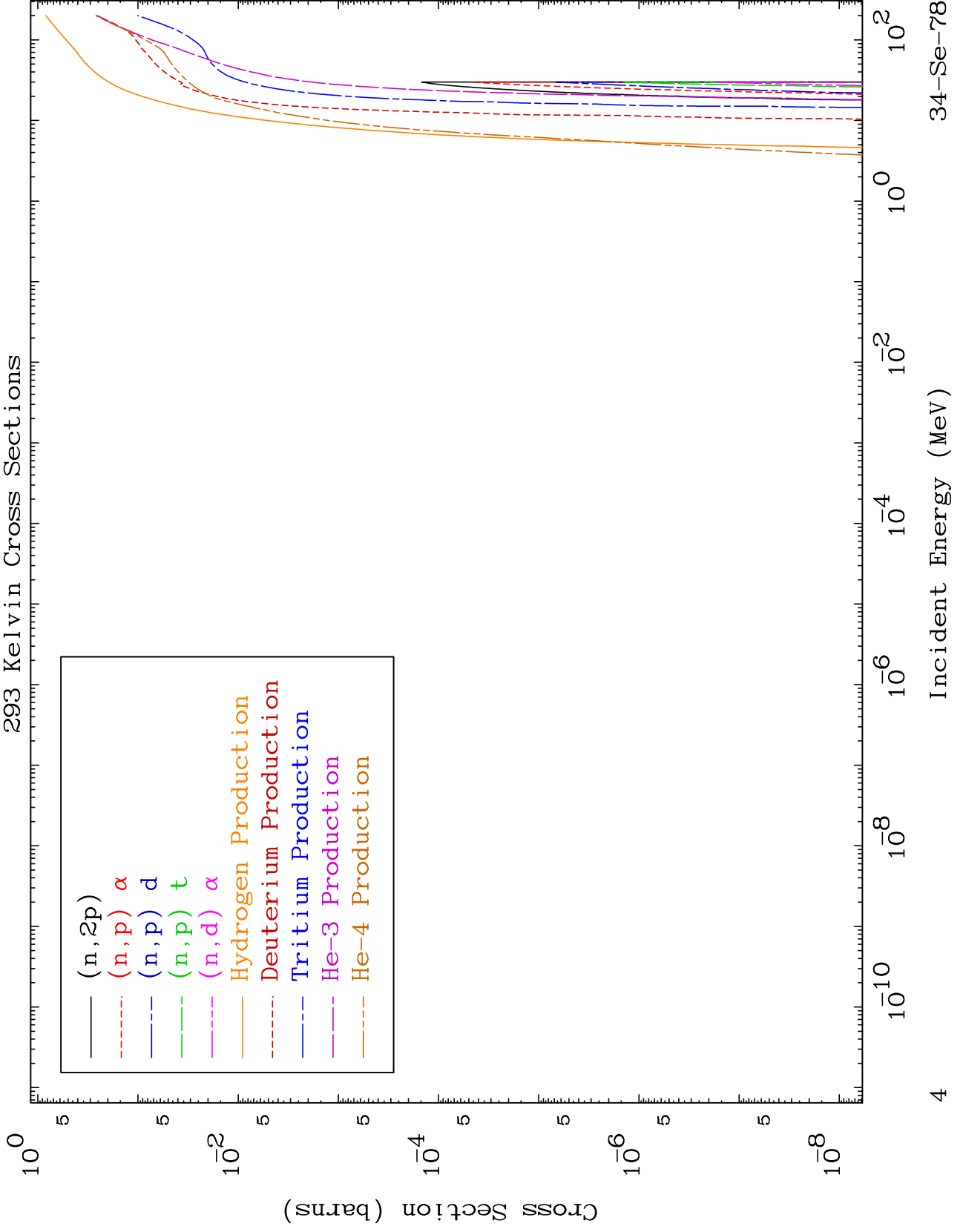
34-Se-78



MAT 3437

Neutron Absorption
293 Kelvin Cross Sections

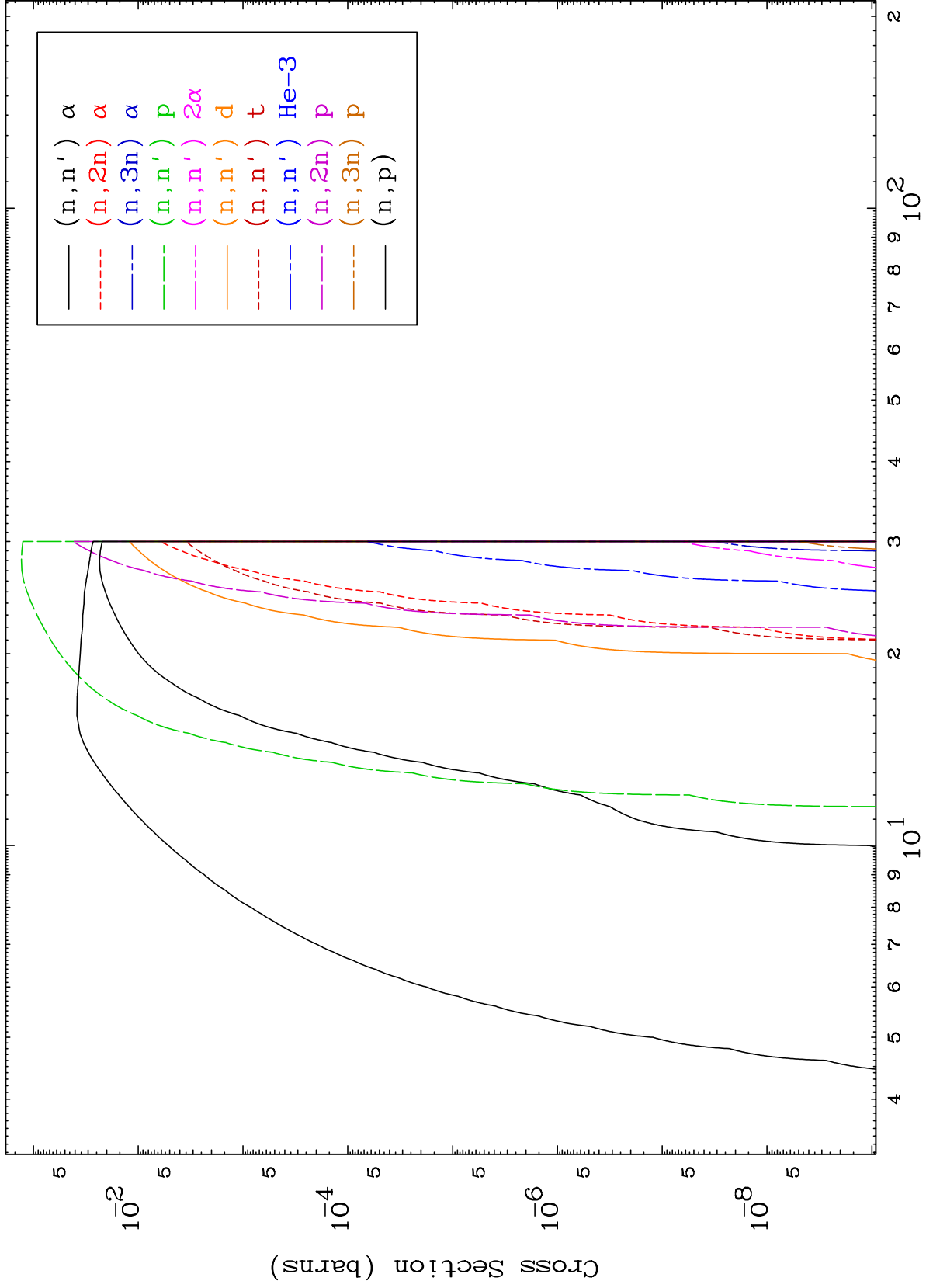
³⁴Se-78



MAT 3437

Charged Particle
293 Kelvin Cross Sections

³⁴Se-78



5

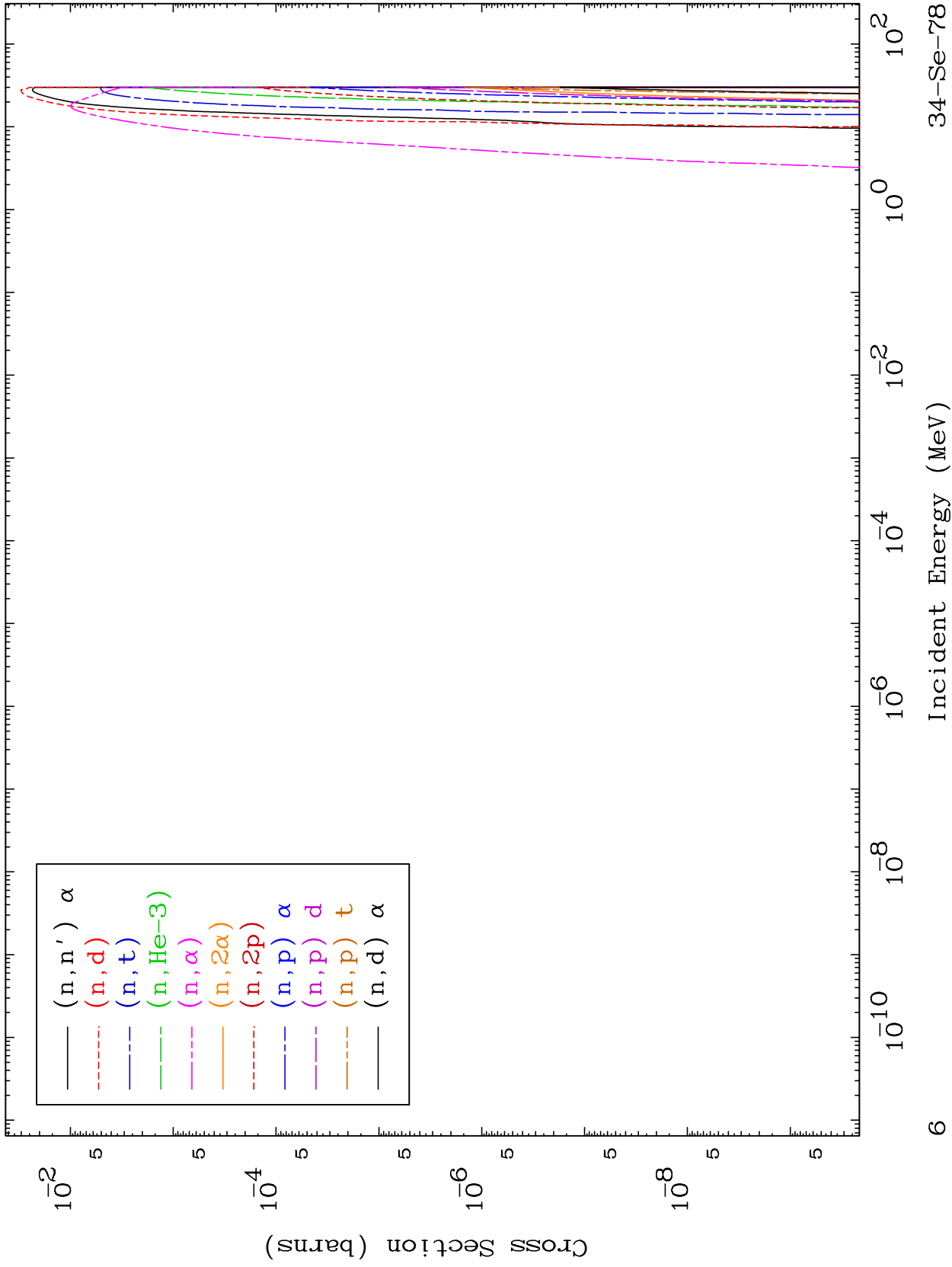
Incident Energy (MeV)

³⁴Se-78

MAT 3437

Charged Particle
293 Kelvin Cross Sections

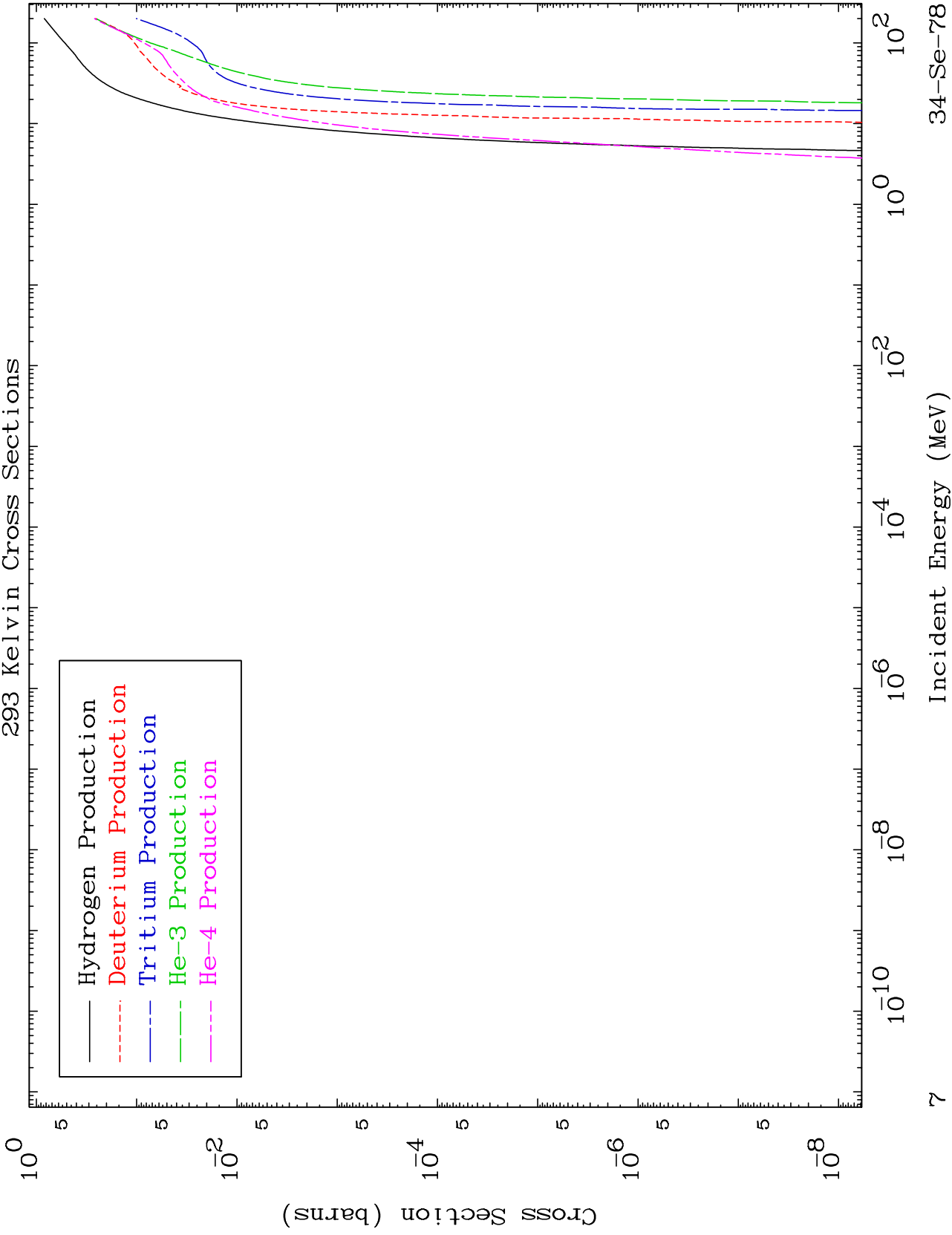
34-Se-78



MAT 3437

Particle Production
293 Kelvin Cross Sections

34-Se-78

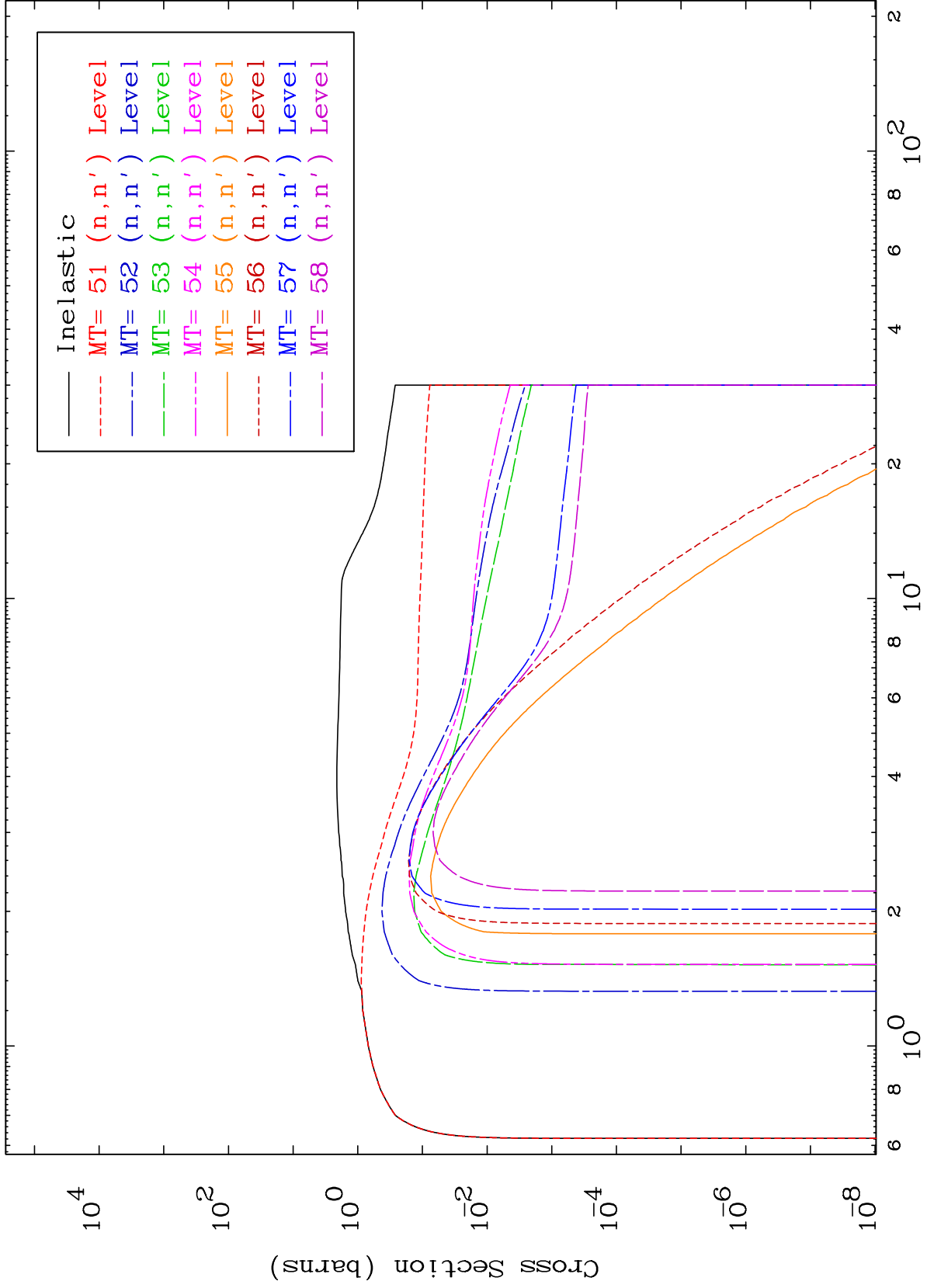


MAT 3437

(n,n') Levels

34-Se-78

293 Kelvin Cross Sections



Incident Energy (MeV)

34-Se-78

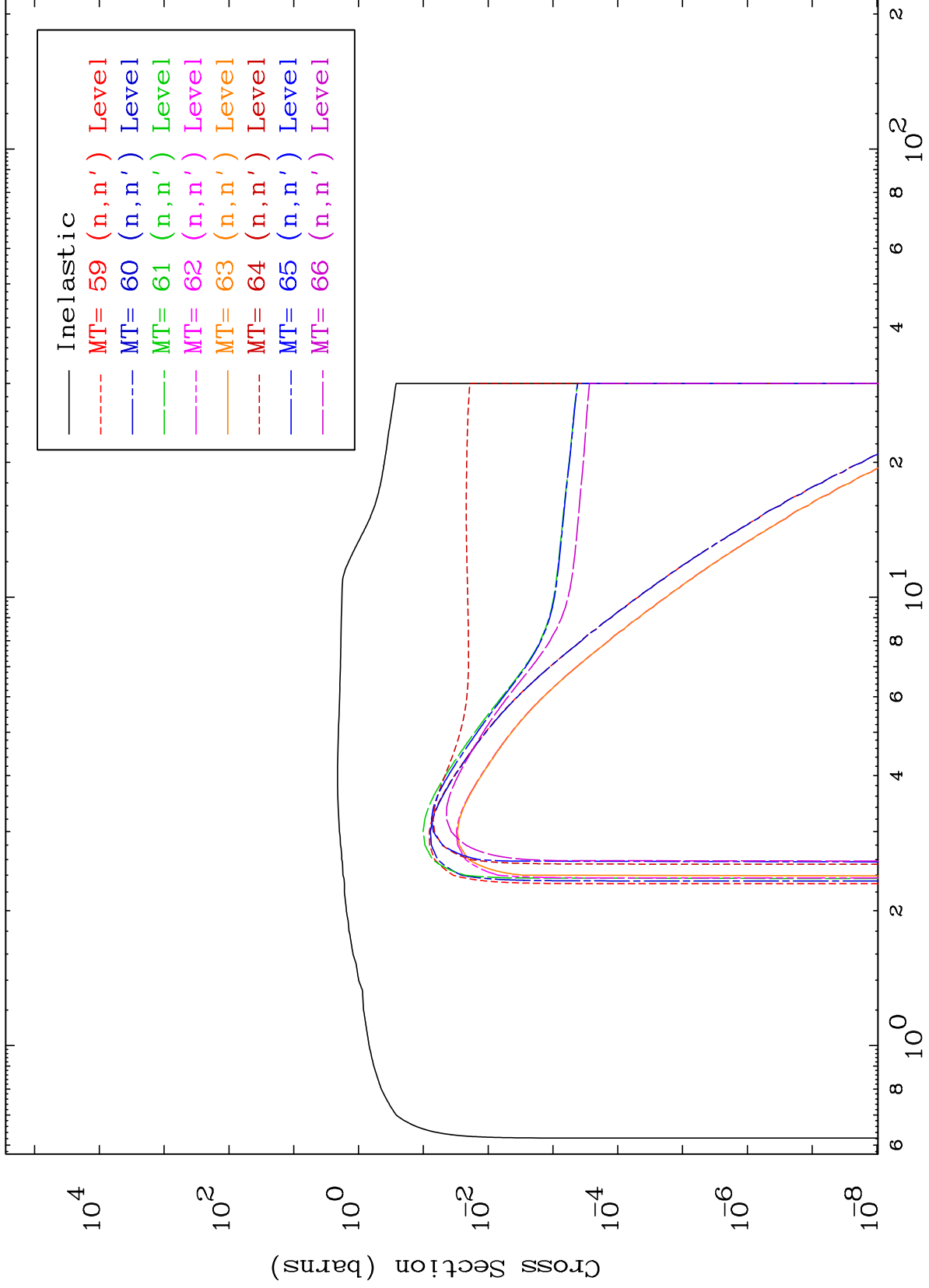
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MAT 3437

(n,n') Levels

34-Se-78

293 Kelvin Cross Sections



9

Incident Energy (MeV)

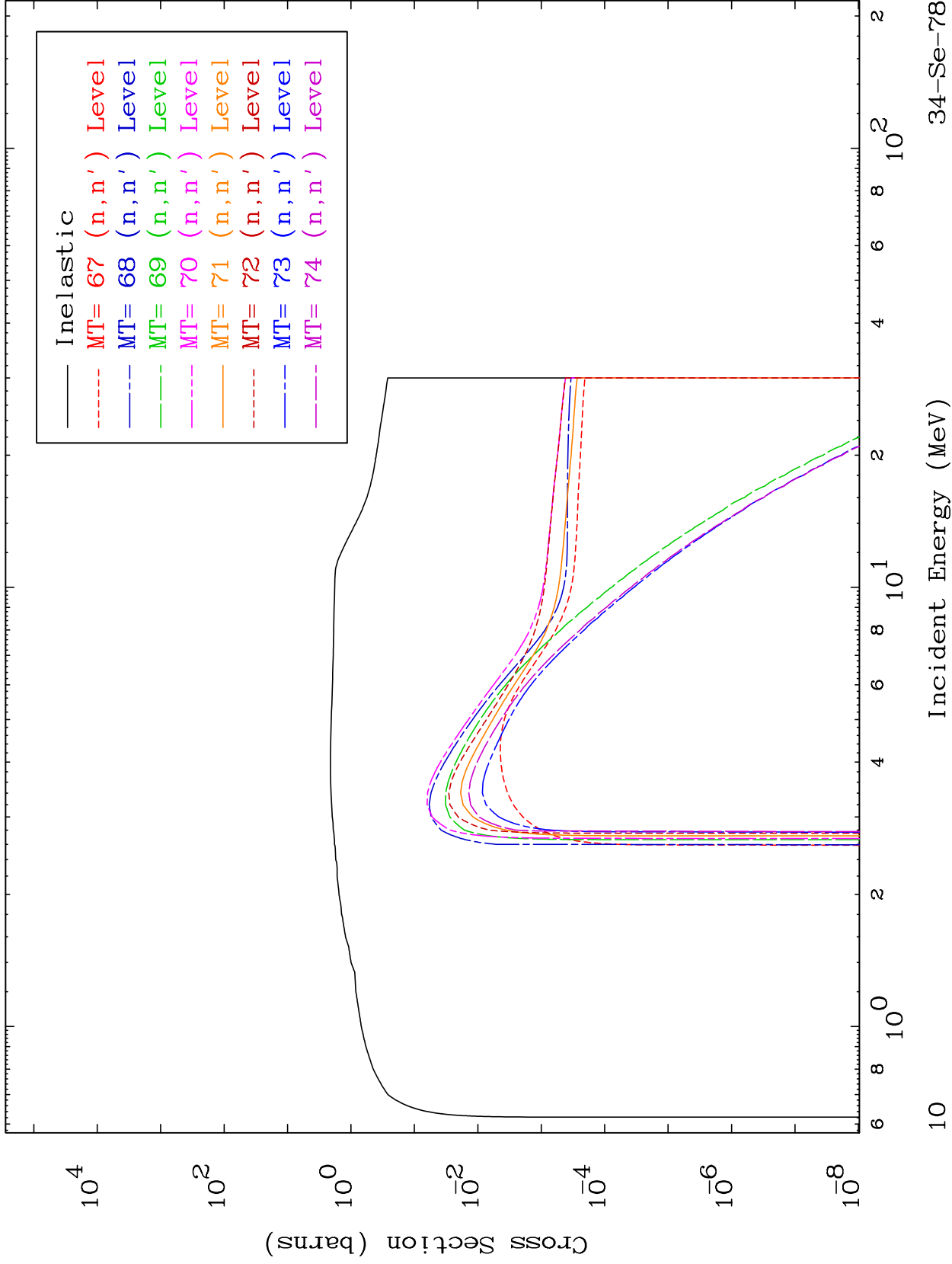
34-Se-78

MAT 3437

(n,n') Levels

34-Se-78

293 Kelvin Cross Sections



34-Se-78

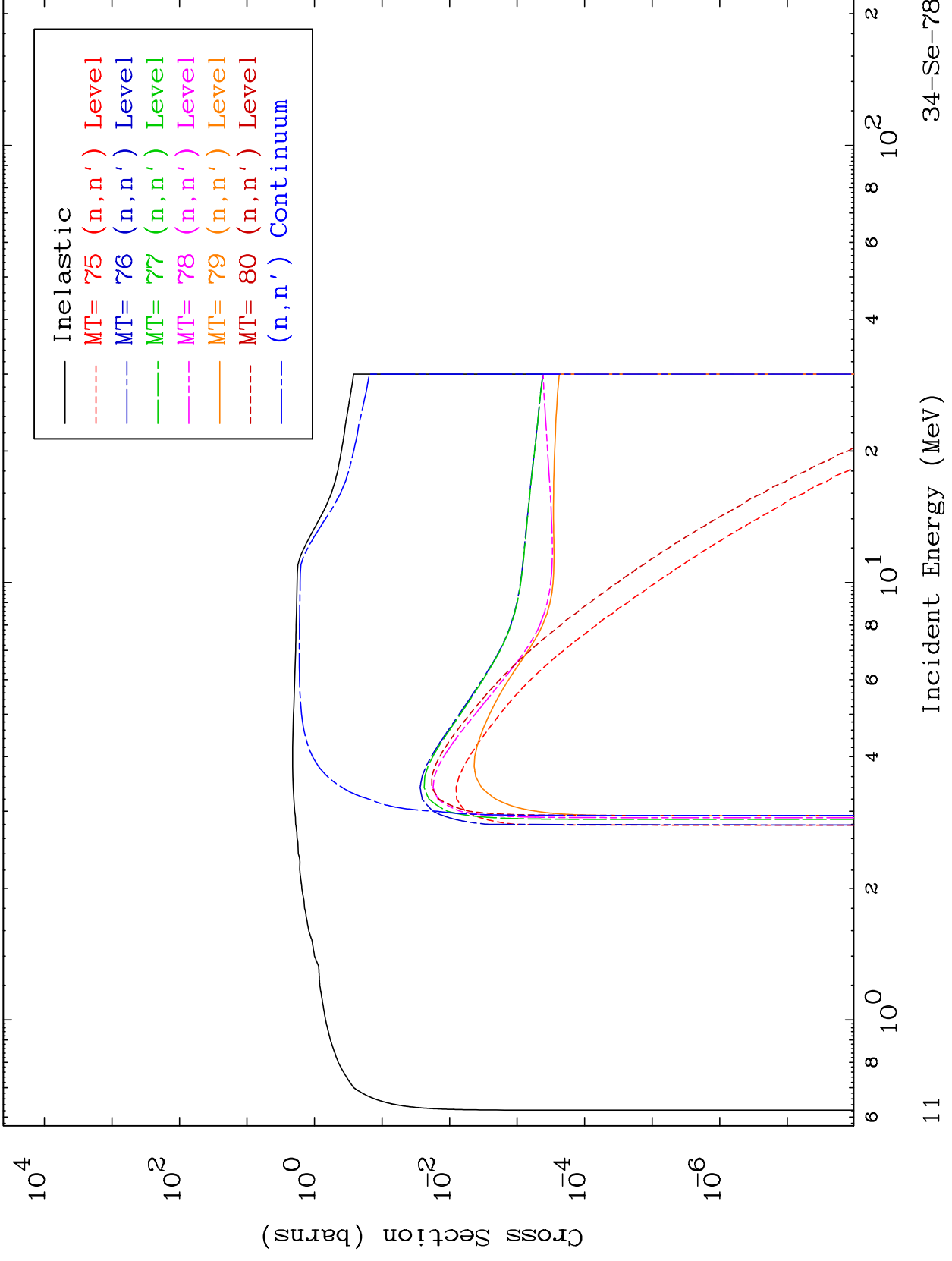
Incident Energy (MeV)

10

MAT 3437

(n,n') Levels
293 Kelvin Cross Sections

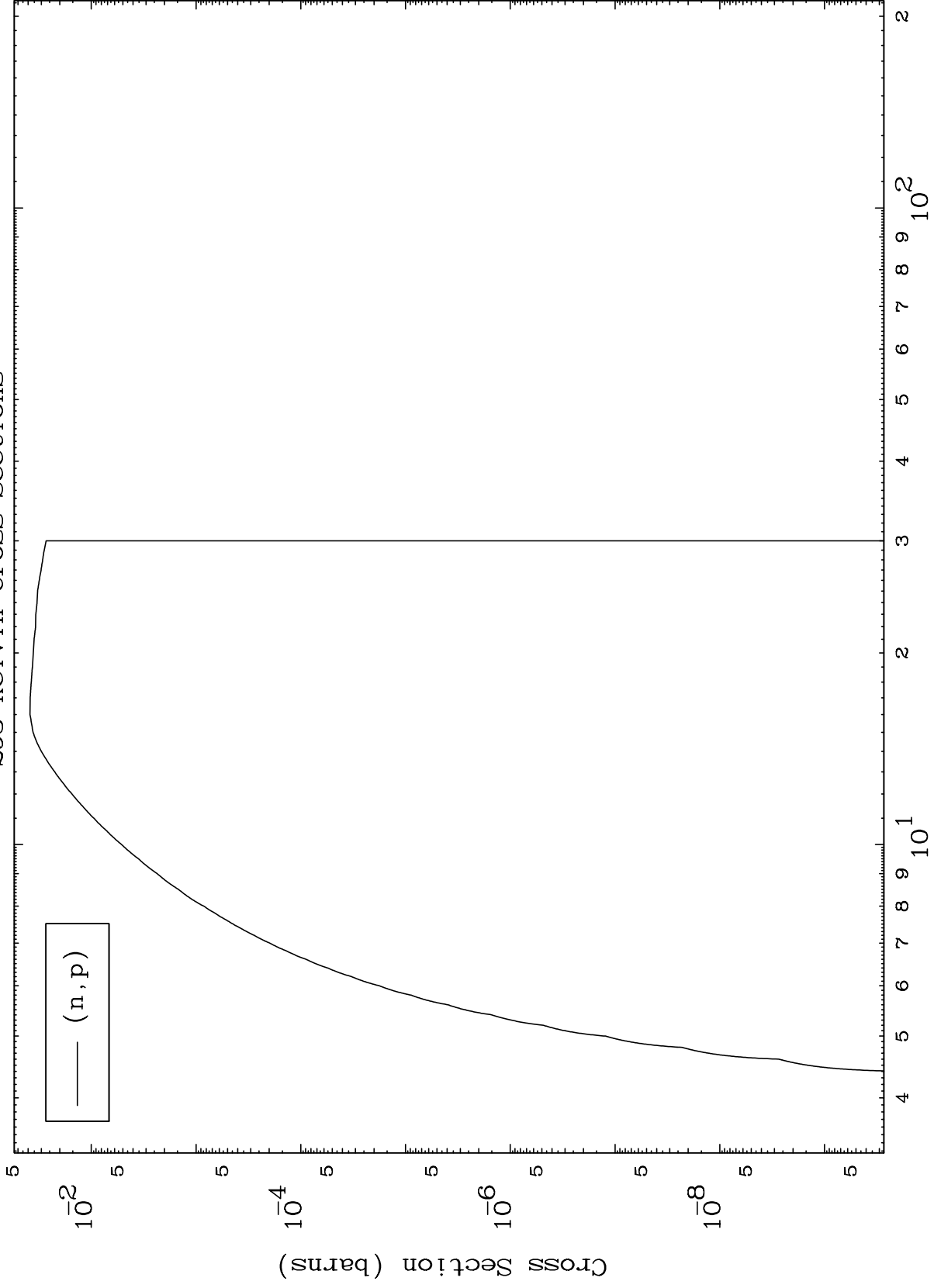
34-Se-78



MAT 3437

(n,p) Levels
293 Kelvin Cross Sections

³⁴Se-78



12

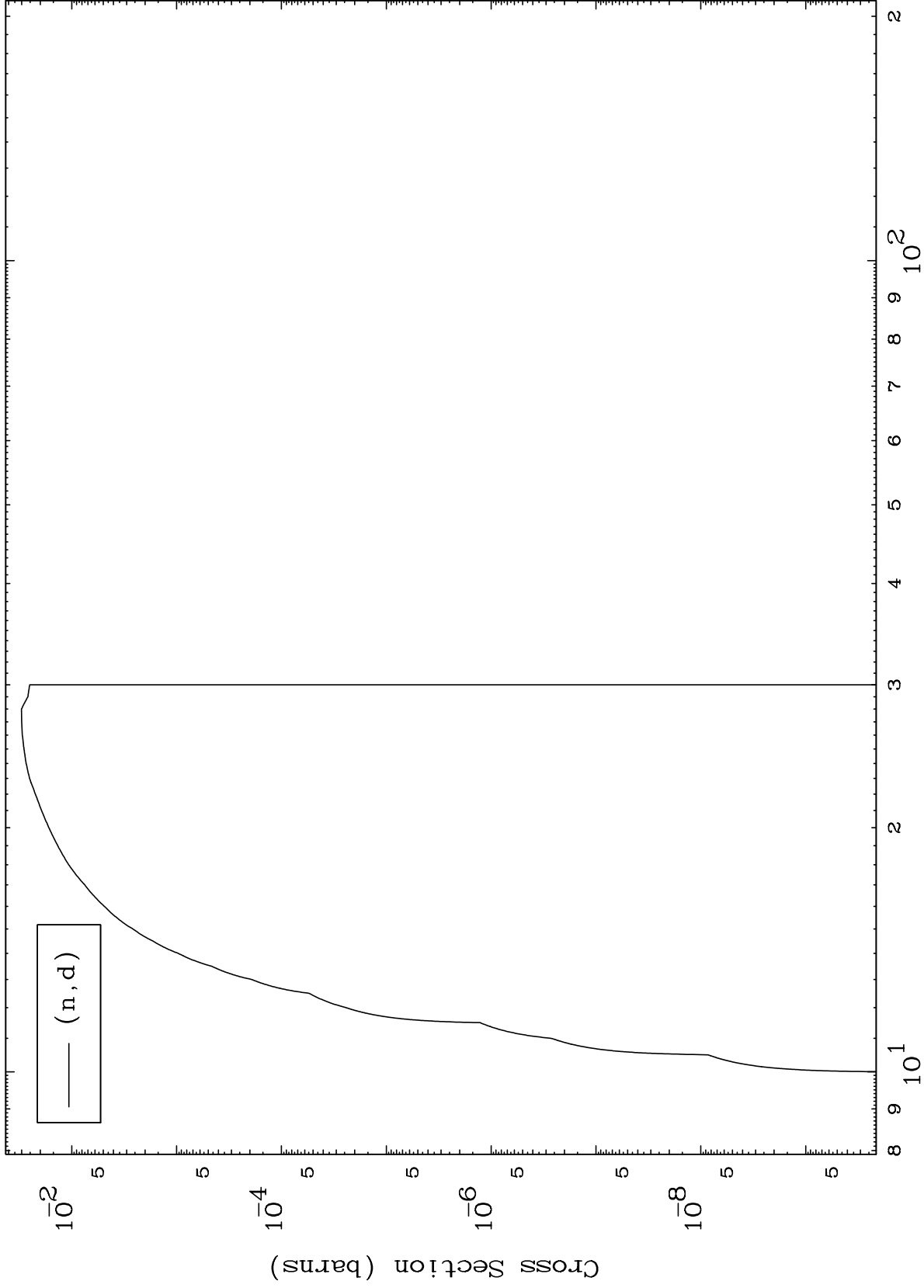
Incident Energy (MeV)

³⁴Se-78

MAT 3437

(n,d) Levels
293 Kelvin Cross Sections

³⁴Se-78



13

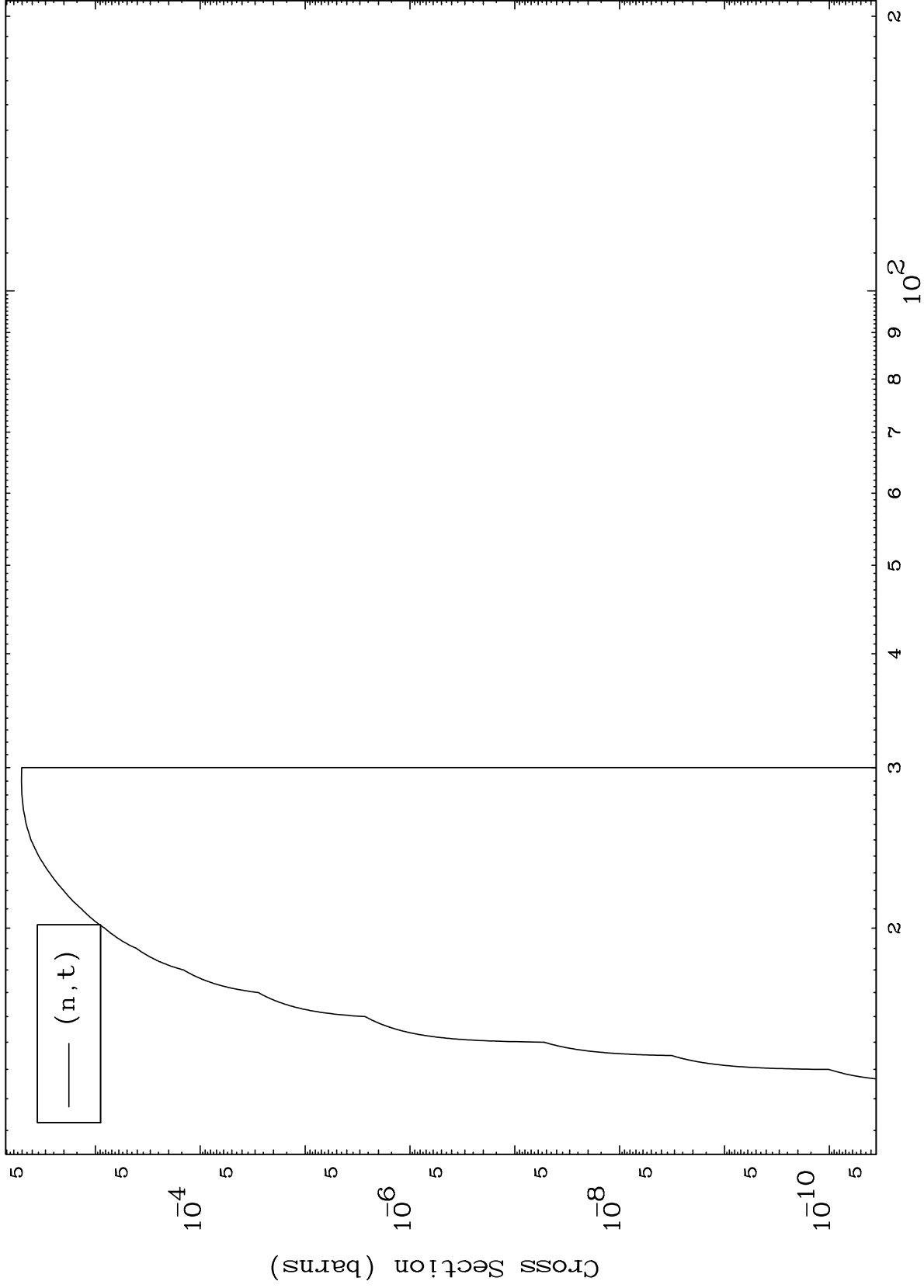
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³⁴Se-78

MAT 3437

(n,t) Levels
293 Kelvin Cross Sections

³⁴Se-78



14

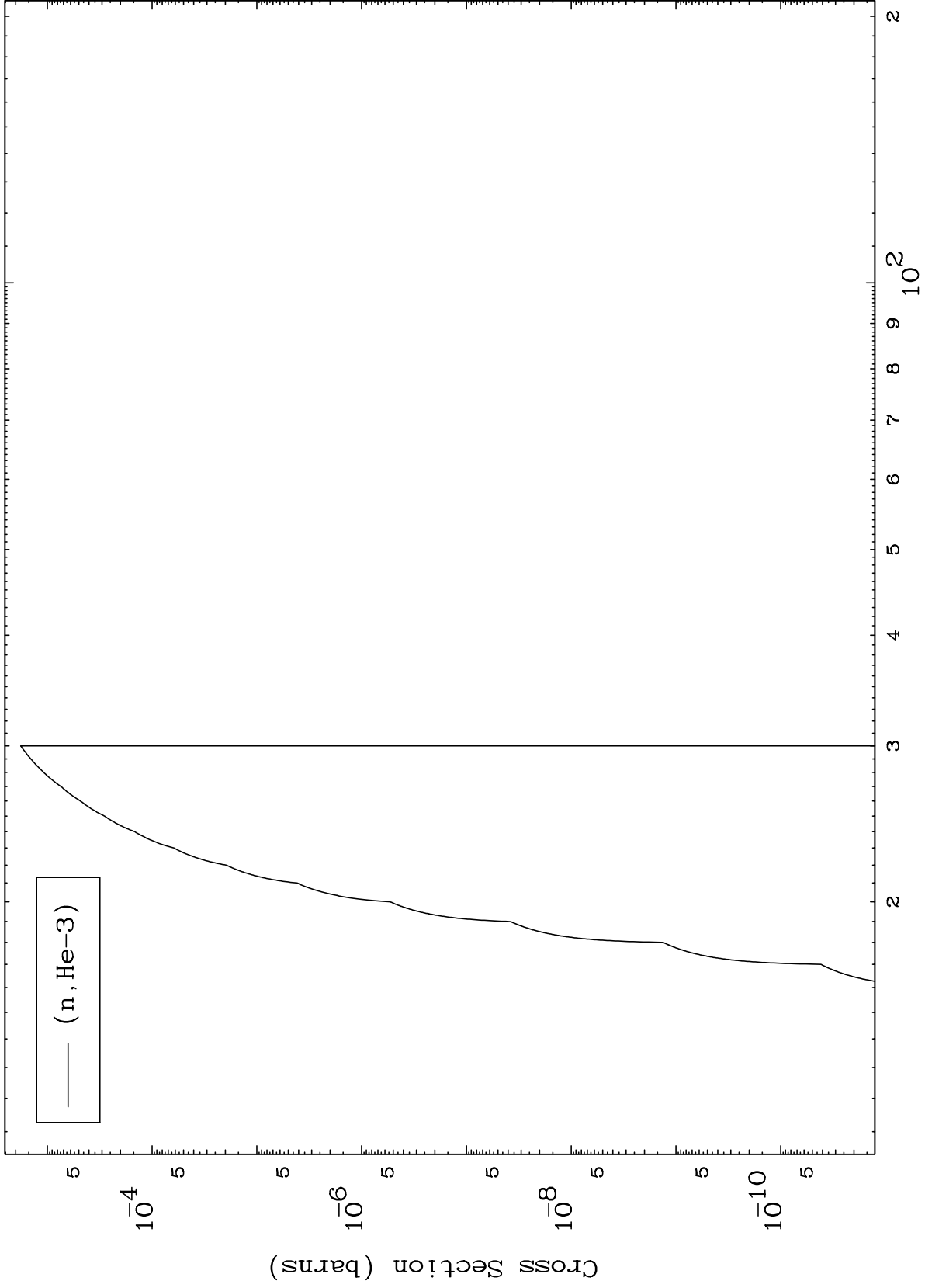
Incident Energy (MeV)

³⁴Se-78

MAT 3437

(n,He3) Levels
293 Kelvin Cross Sections

34-Se-78



15

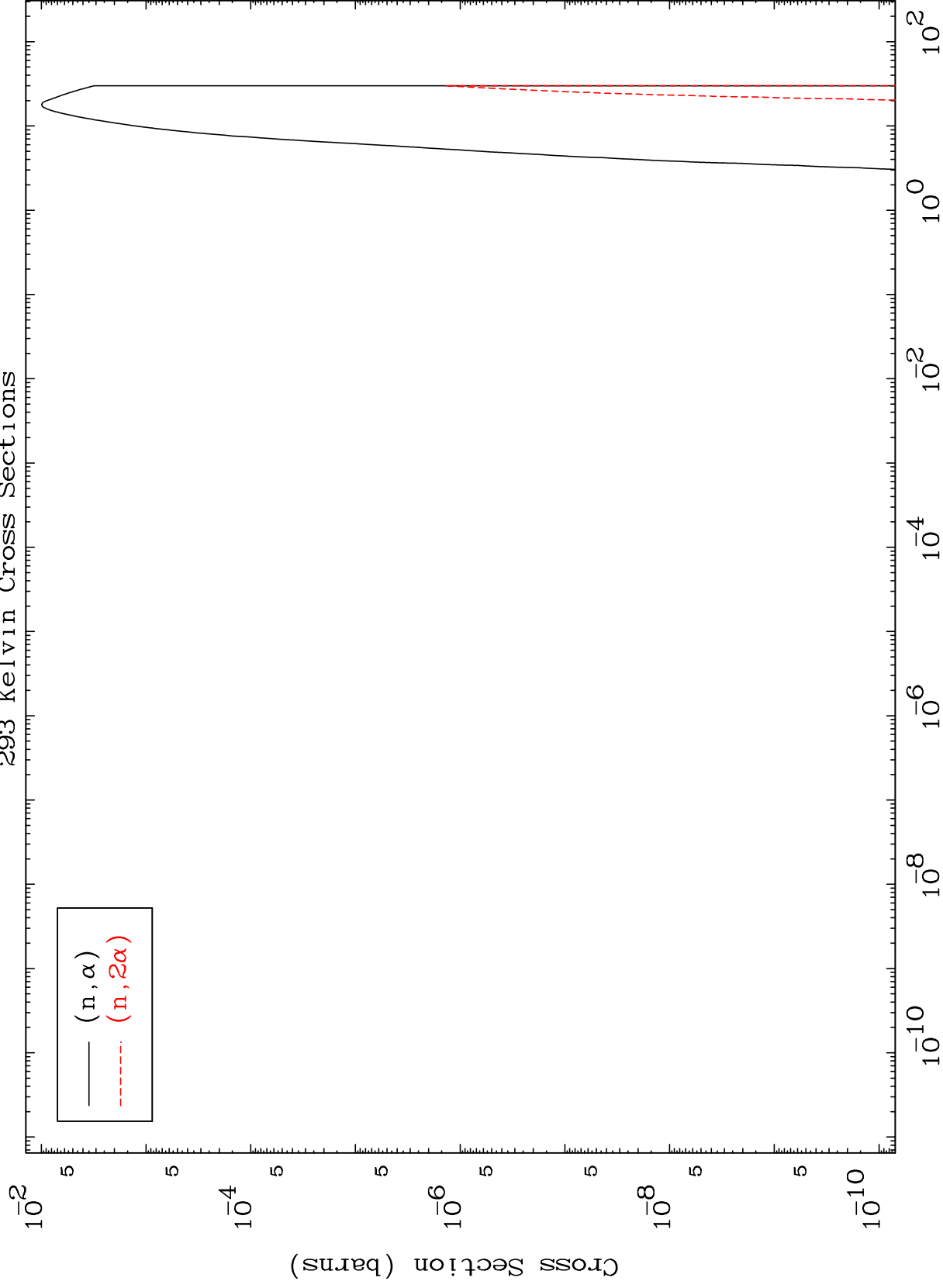
Incident Energy (MeV)

34-Se-78

MAT 3437

(n, α) Levels
293 Kelvin Cross Sections

³⁴Se-78



16

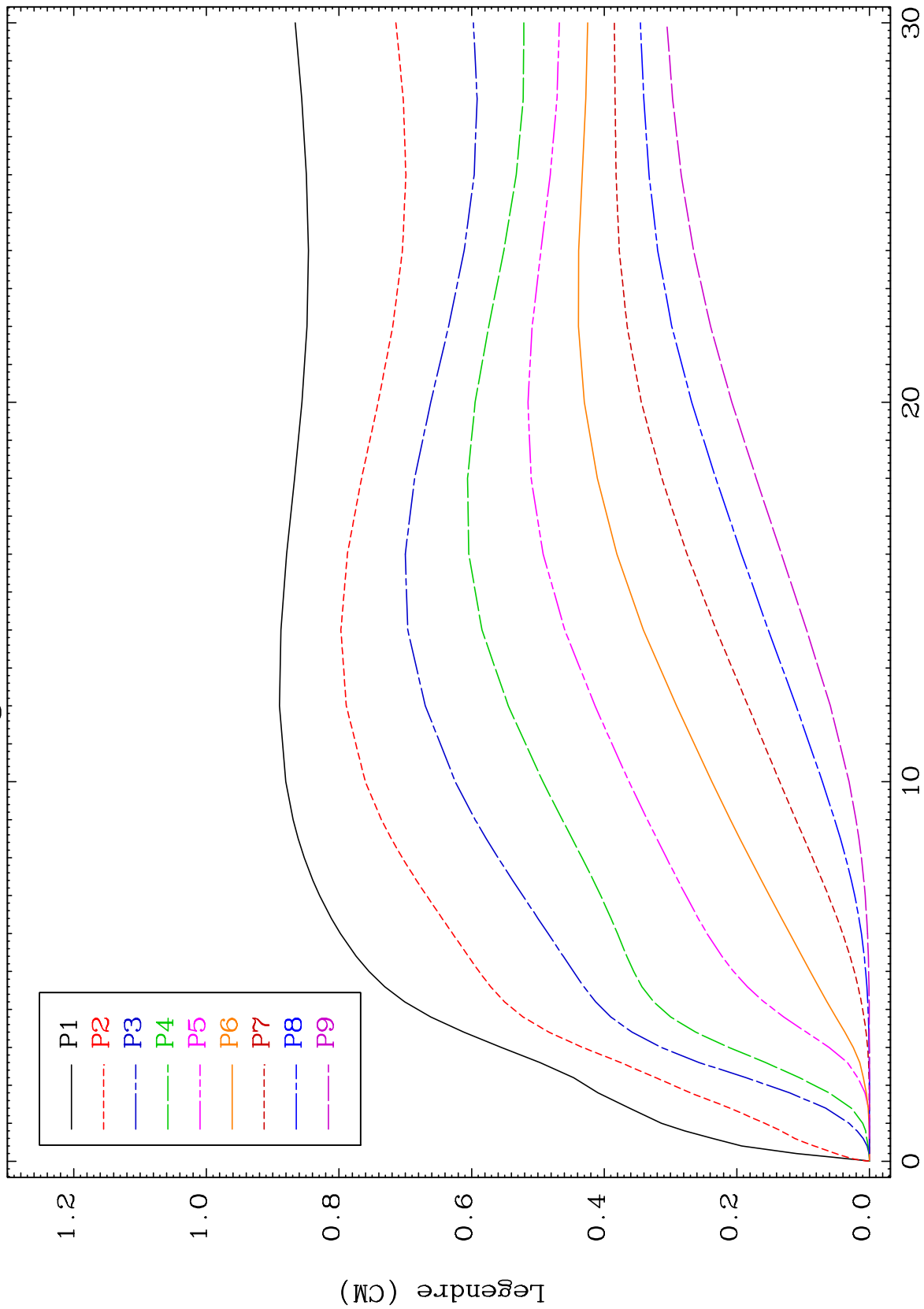
Incident Energy (MeV)

³⁴Se-78

MAT 3437

Elastic Legendre Coefficients

³⁴Se-78



17

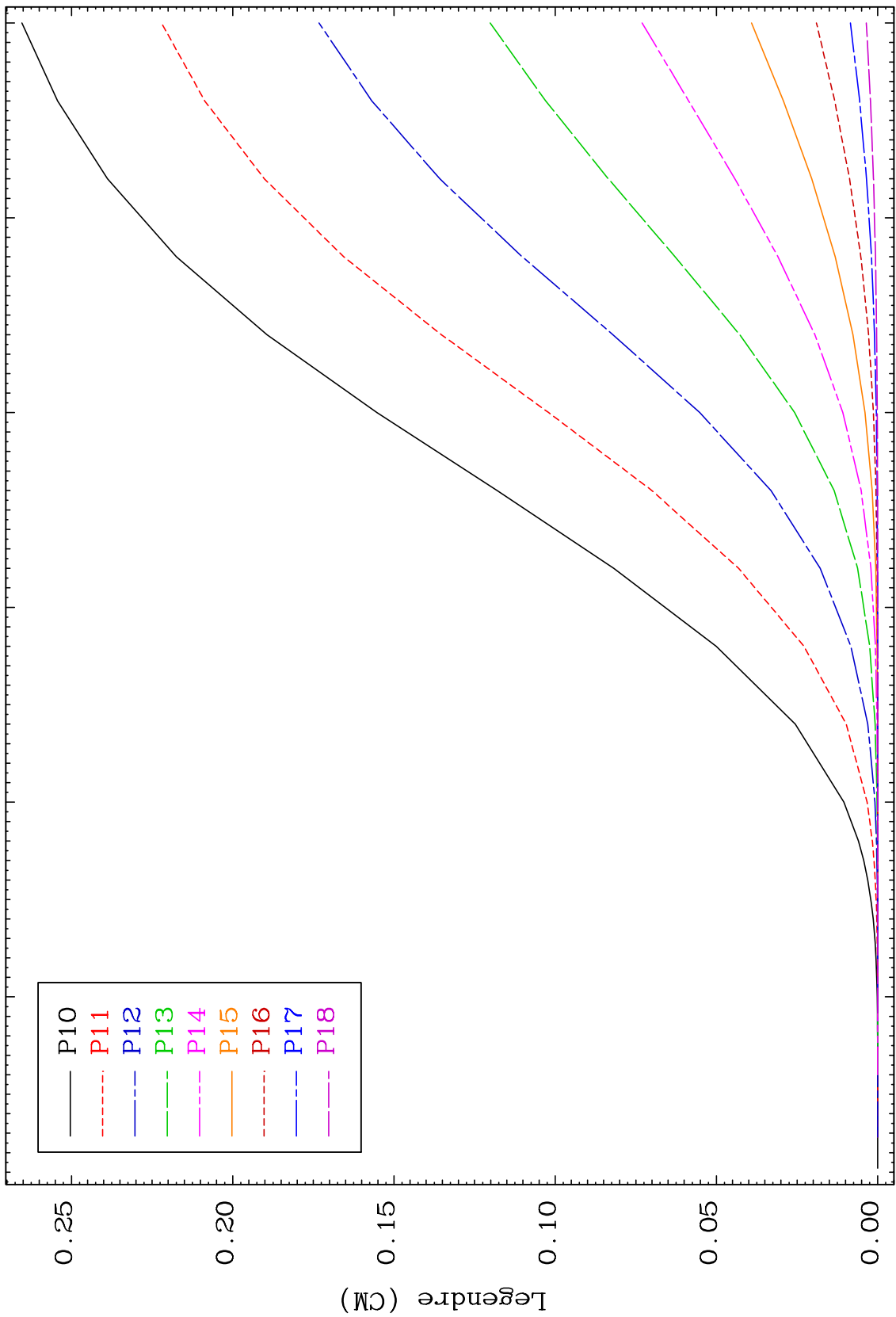
Incident Energy (MeV)

³⁴Se-78

MAT 3437

Elastic Legendre Coefficients

³⁴Se-78



18

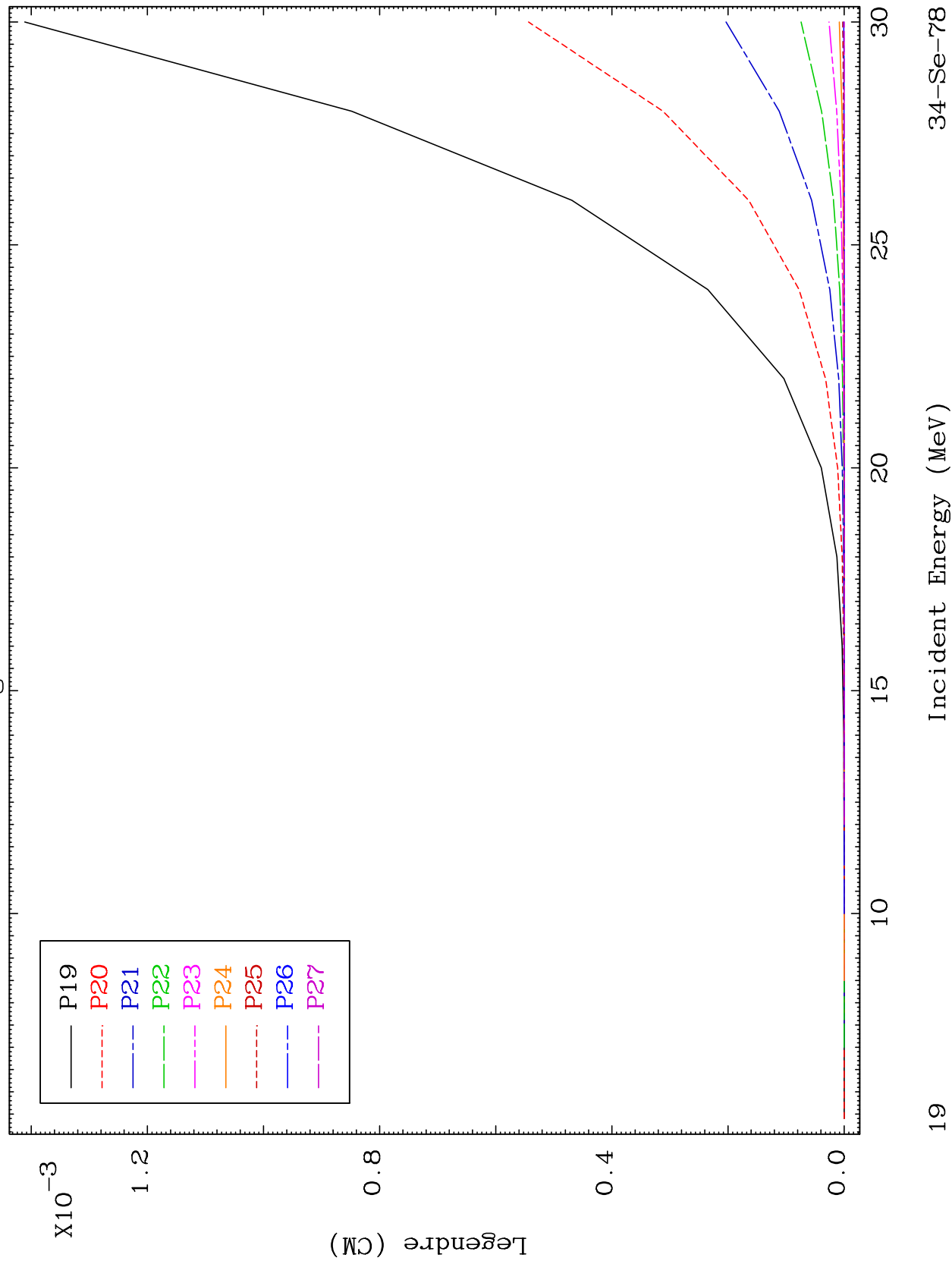
Incident Energy (MeV)

³⁴Se-78

MAT 3437

Elastic Legendre Coefficients

³⁴Se-78

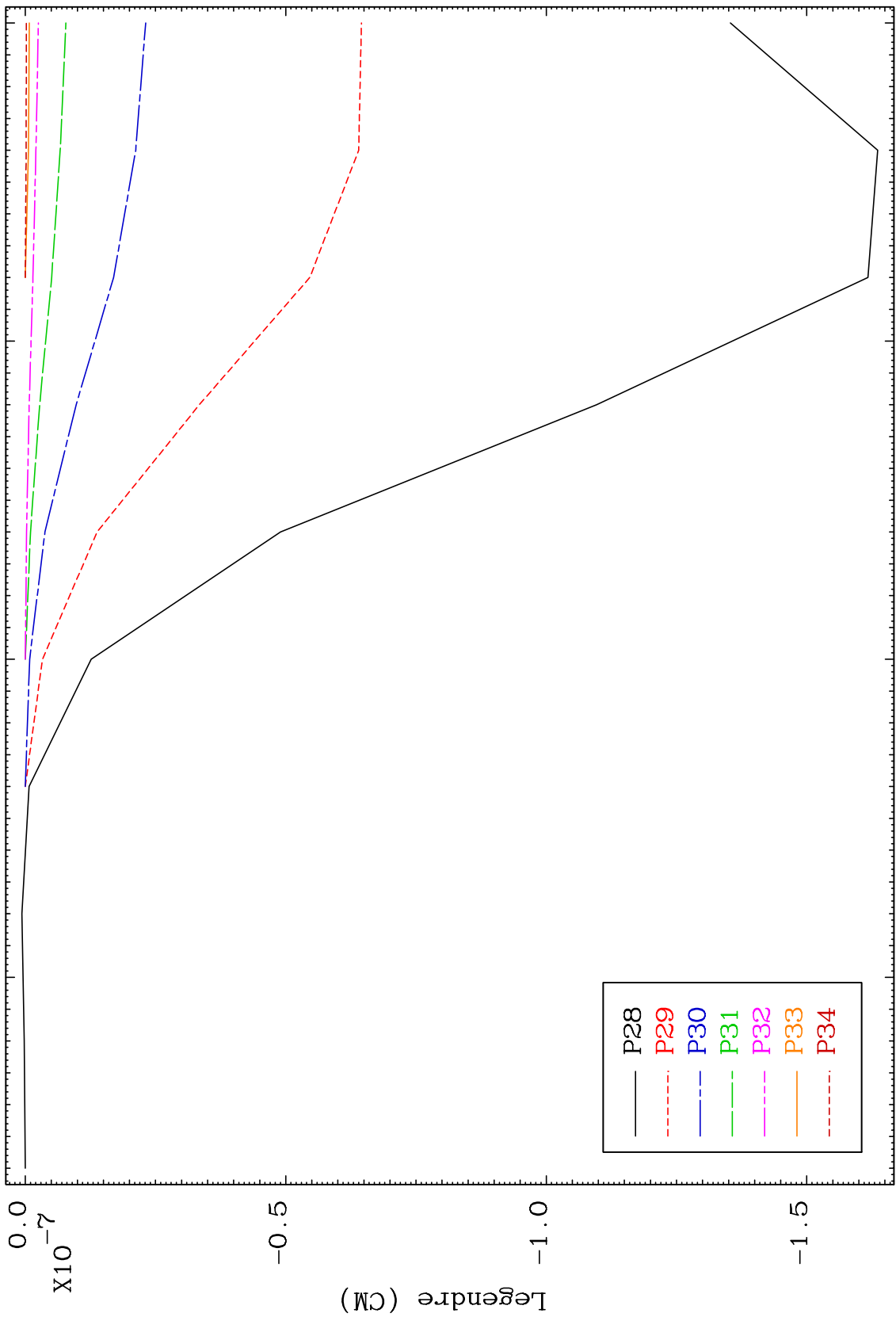


- P19
- P20
- P21
- P22
- P23
- P24
- P25
- P26
- P27

MAT 3437

³⁴Se-78

Elastic Legendre Coefficients

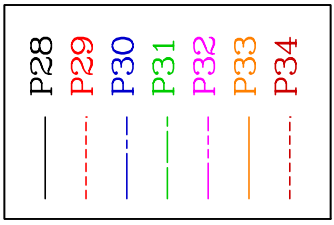


$\times 10^{-7}$

Legendre (CM)

Incident Energy (MeV)

³⁴Se-78

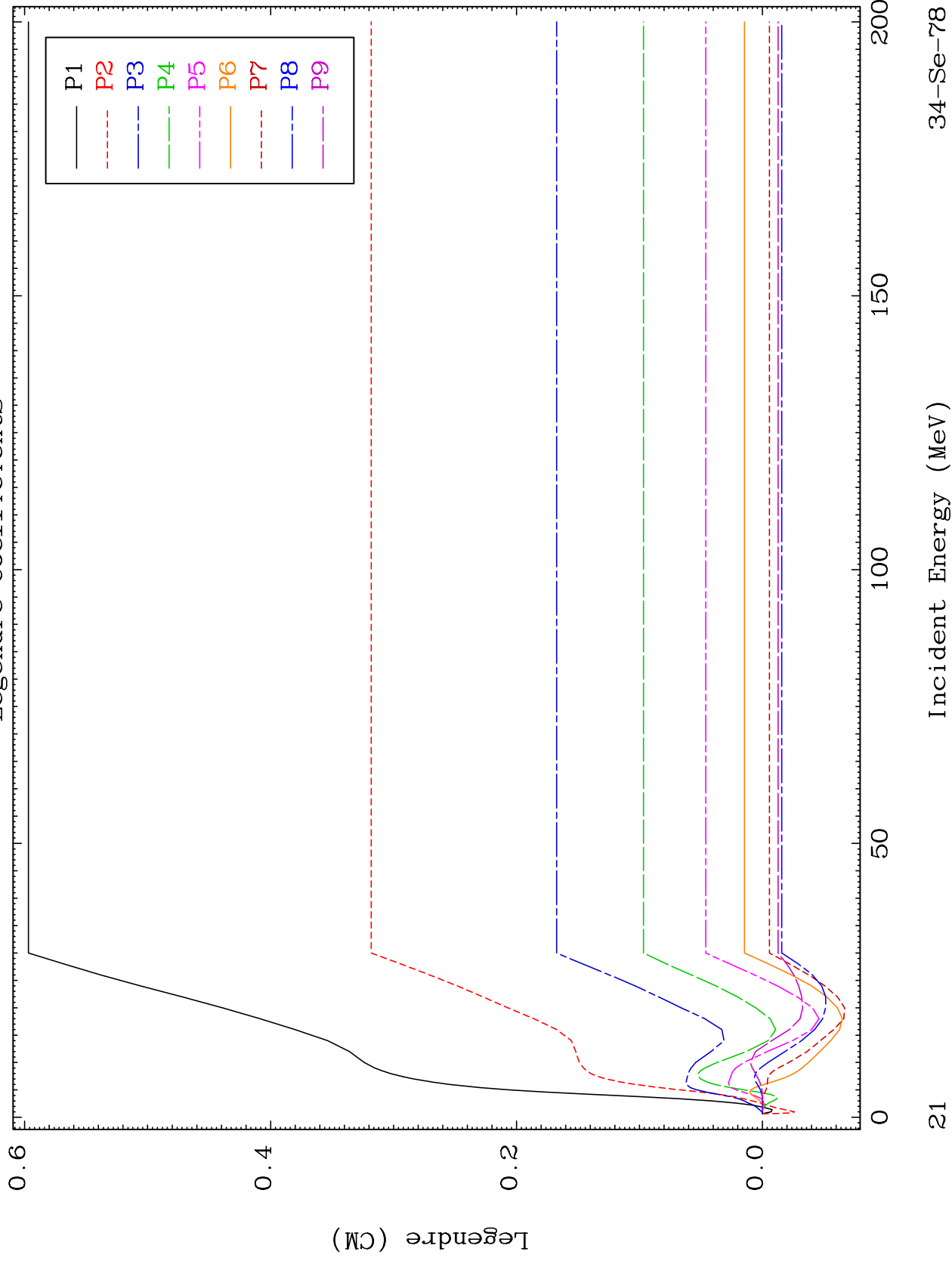


20

MAT 3437

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

³⁴Se-78



21

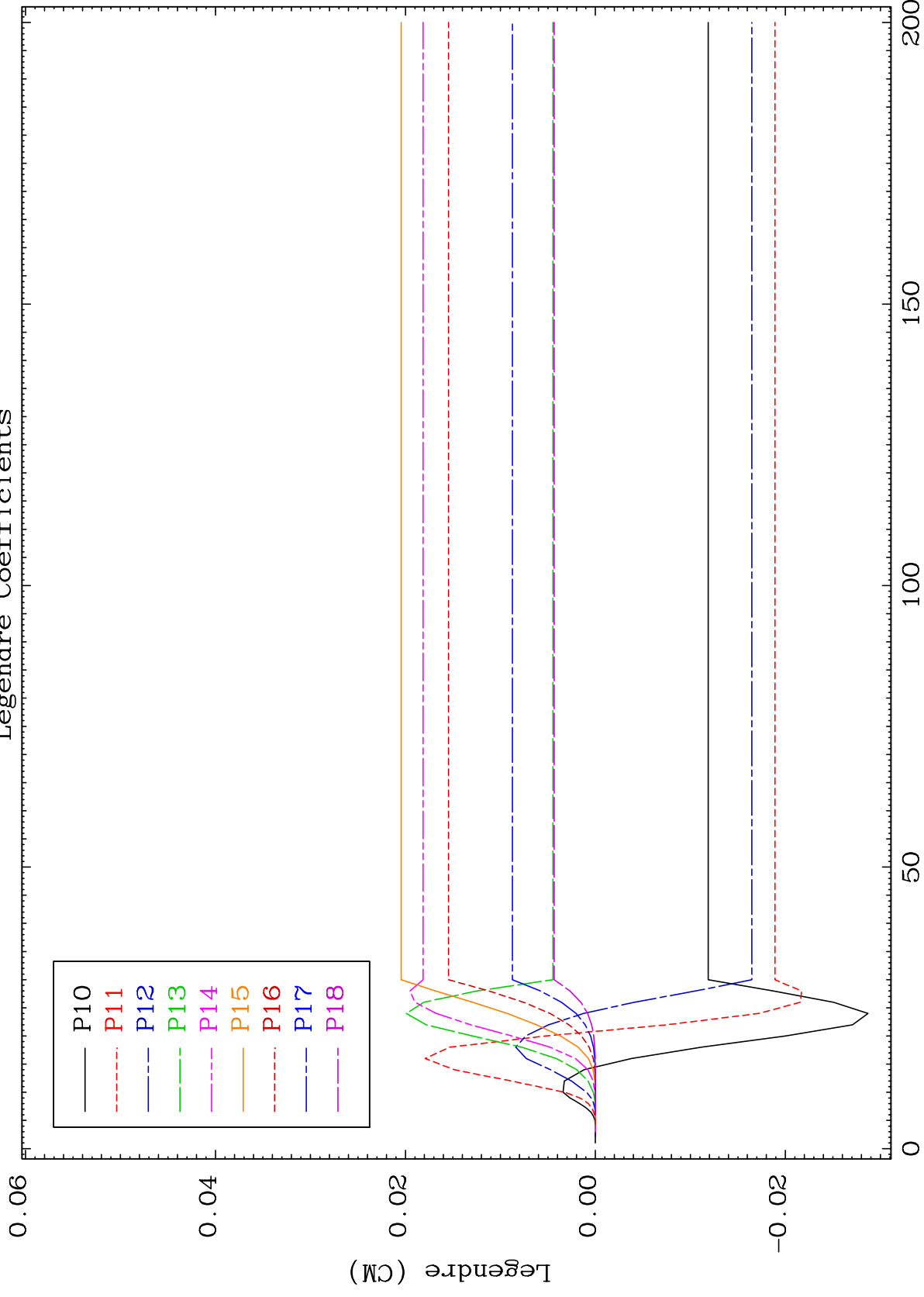
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78



22

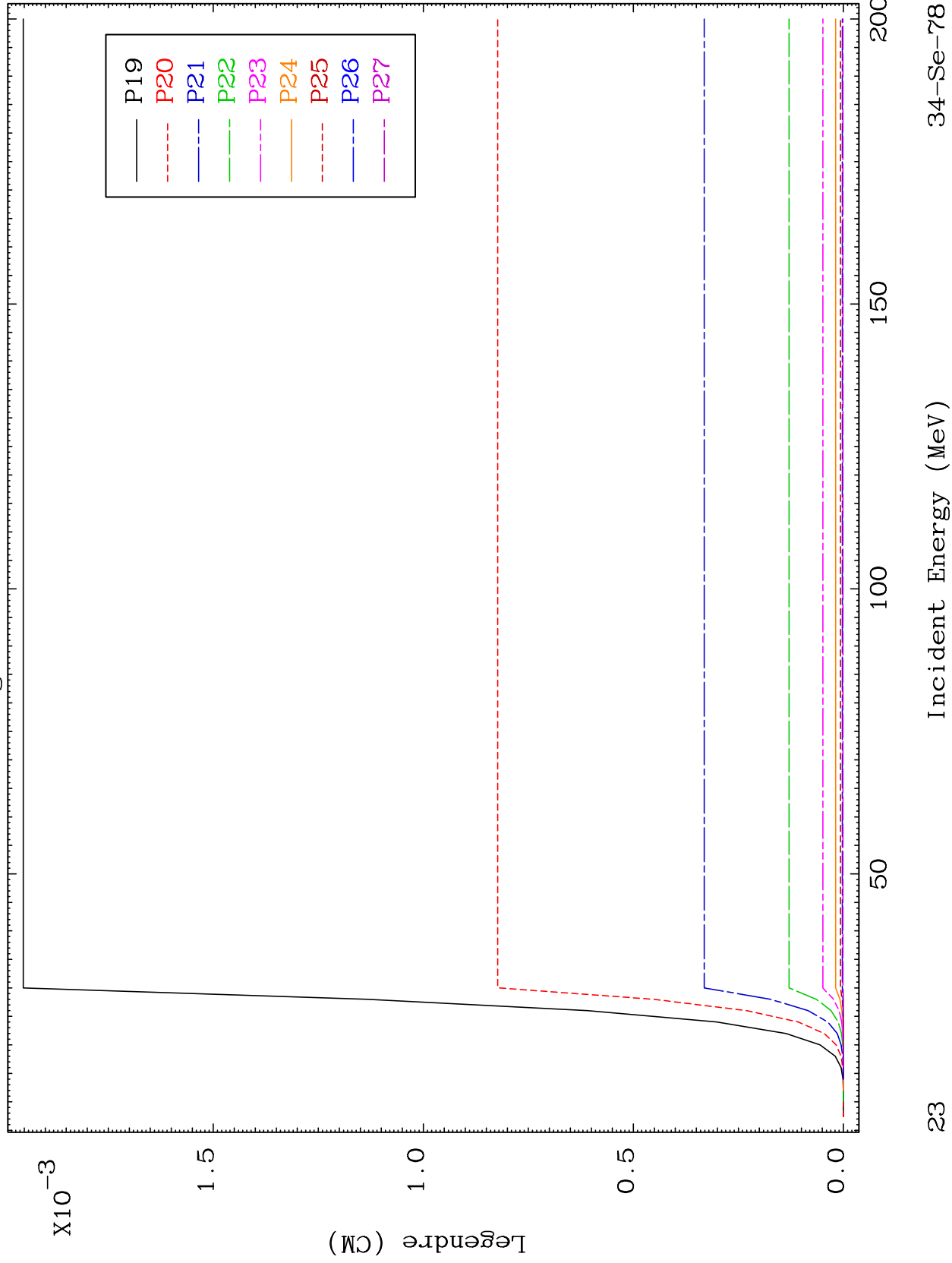
Incident Energy (MeV)

34-Se-78

MAT 3437

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

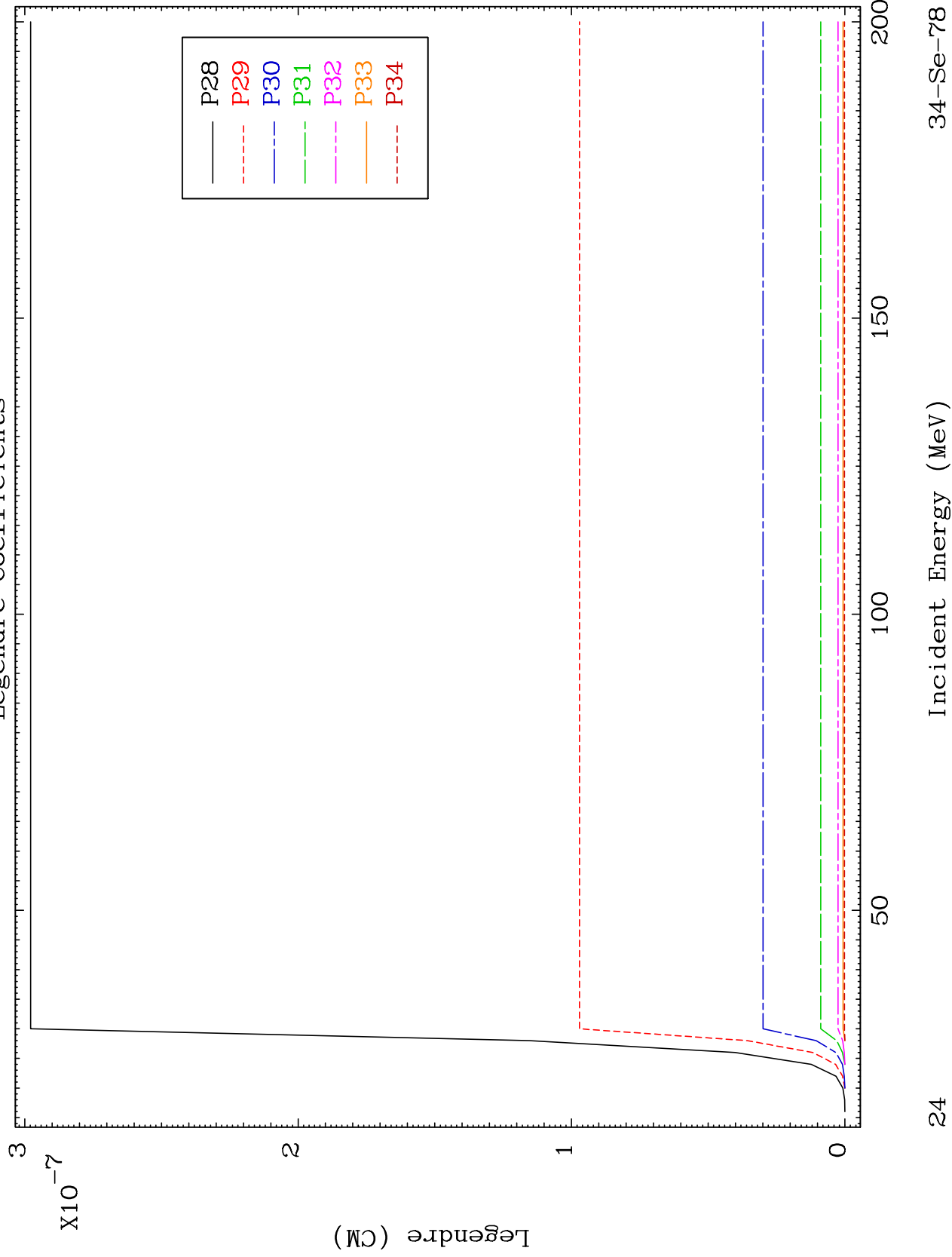
³⁴Se-78



MAT 3437

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

34-Se-78



24

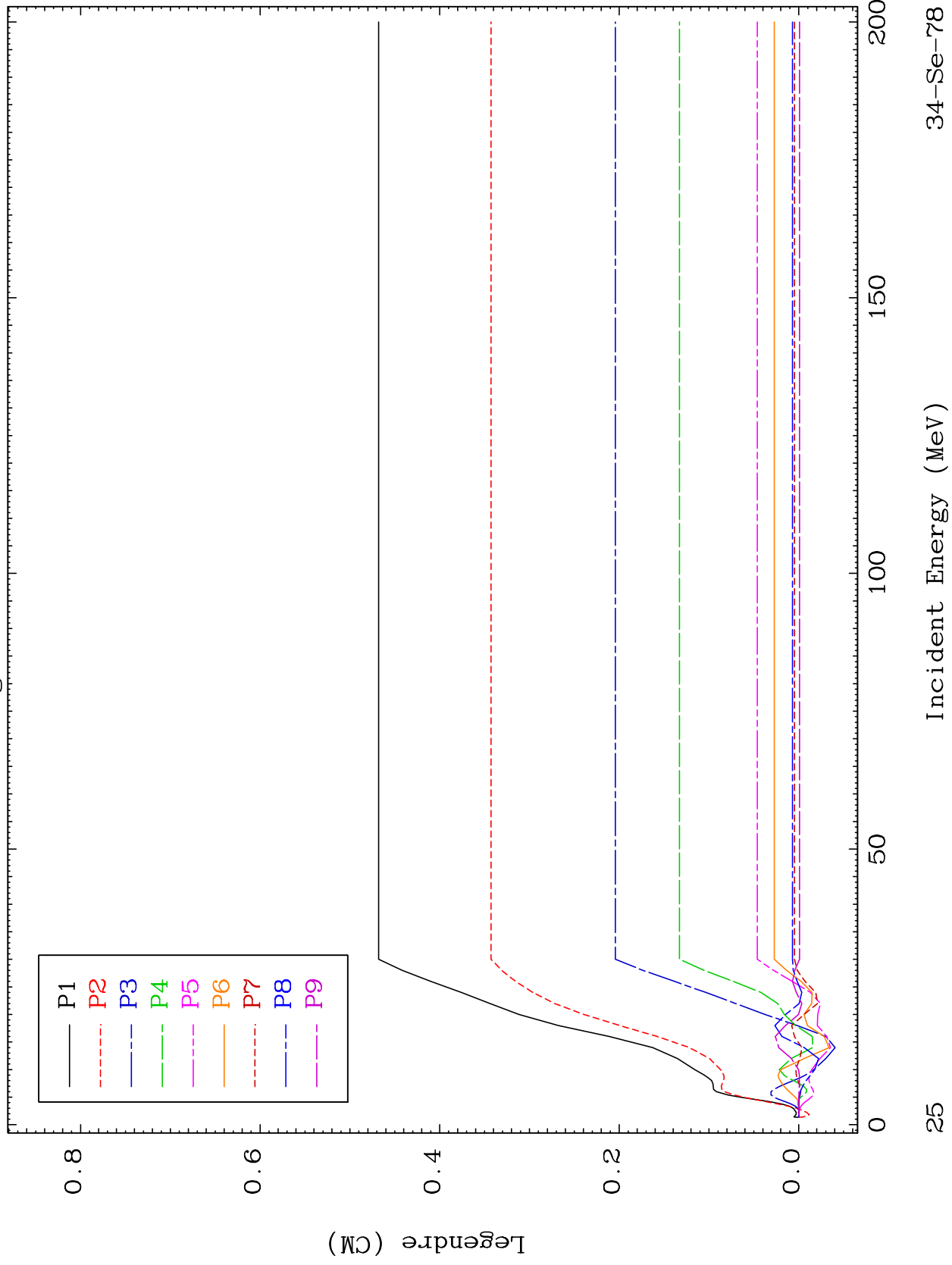
Incident Energy (MeV)

34-Se-78

MAT 3437

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

³⁴Se-78



³⁴Se-78

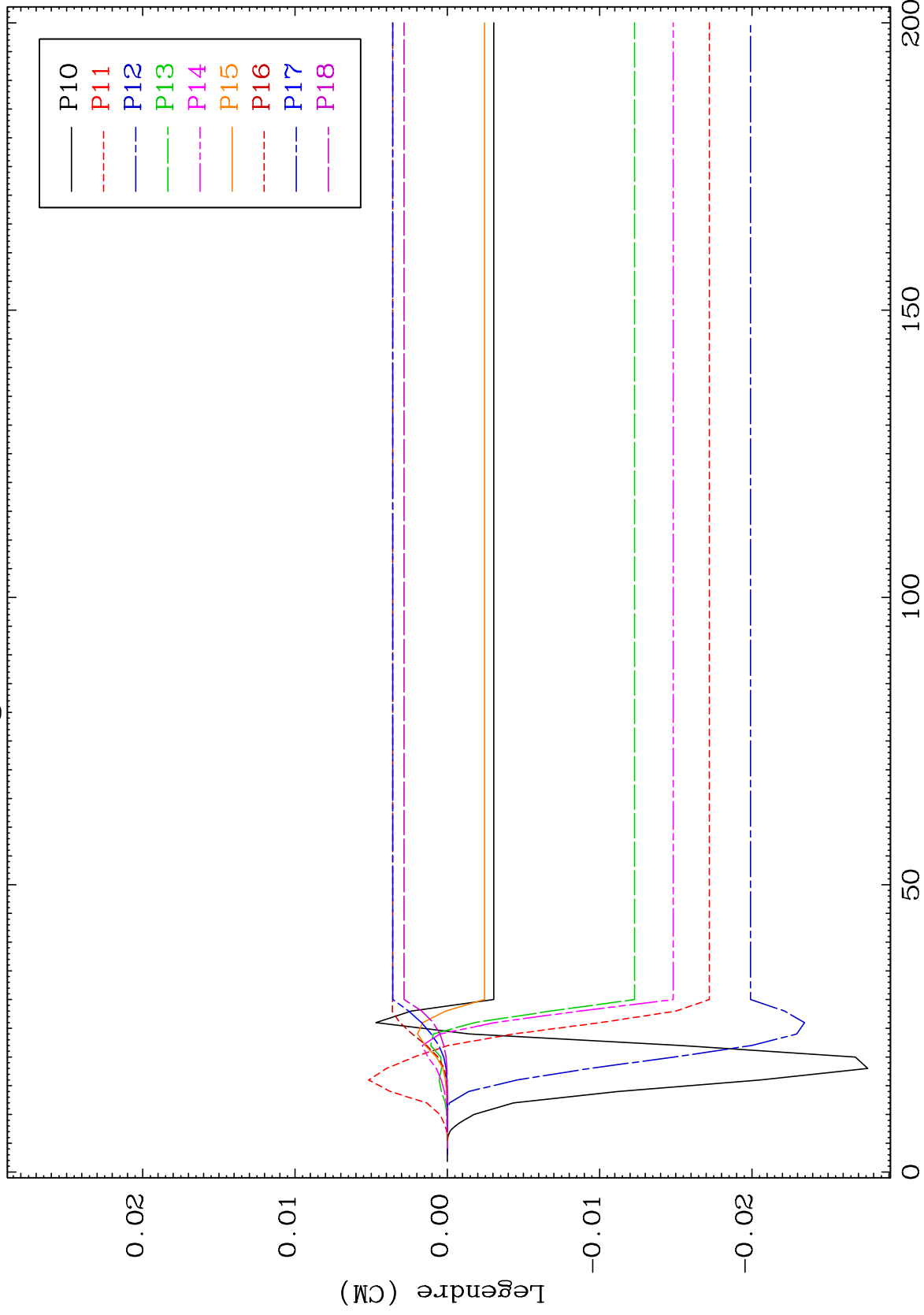
Incident Energy (MeV)

25

MAT 3437

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

³⁴Se-78



26

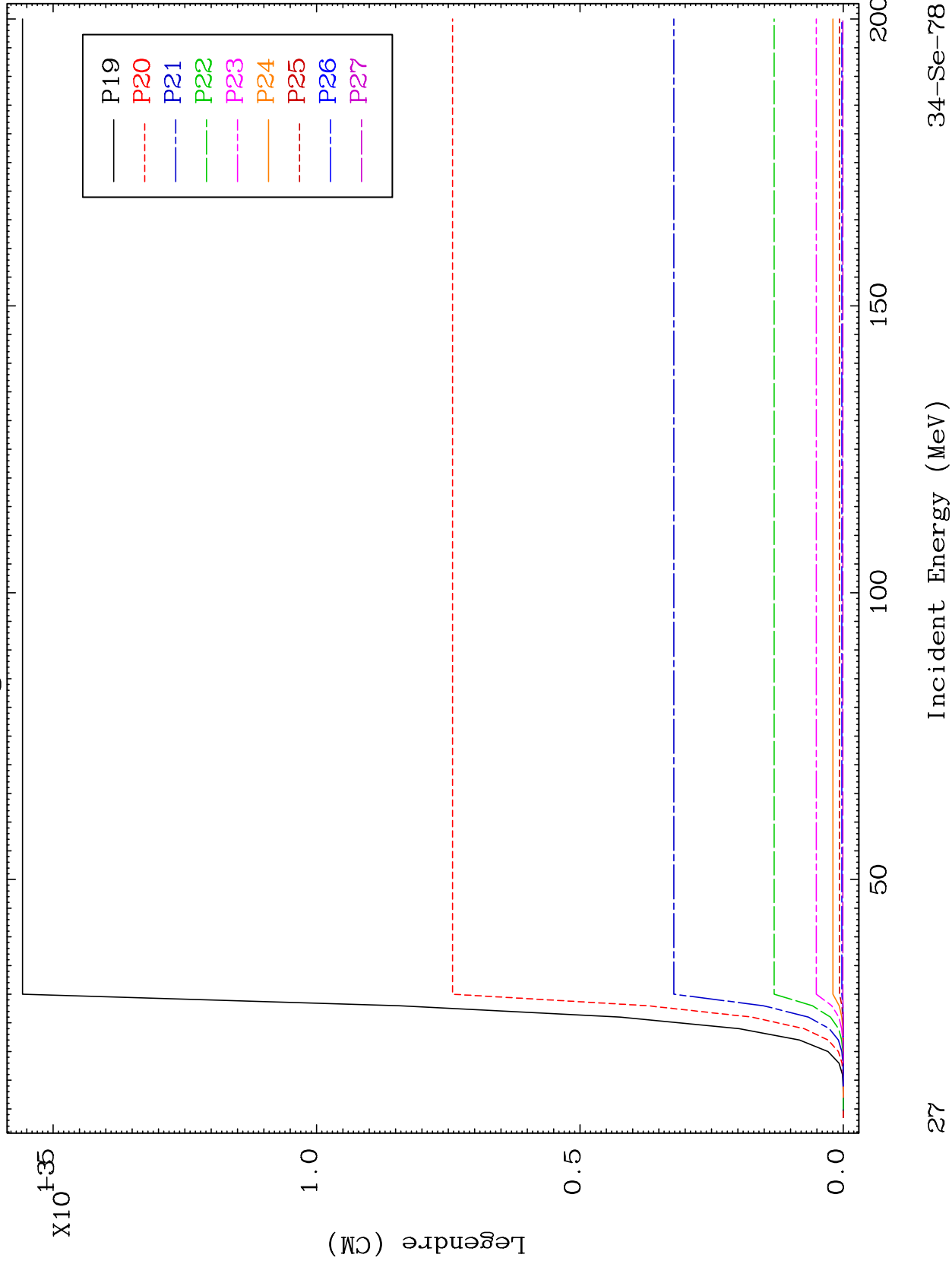
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

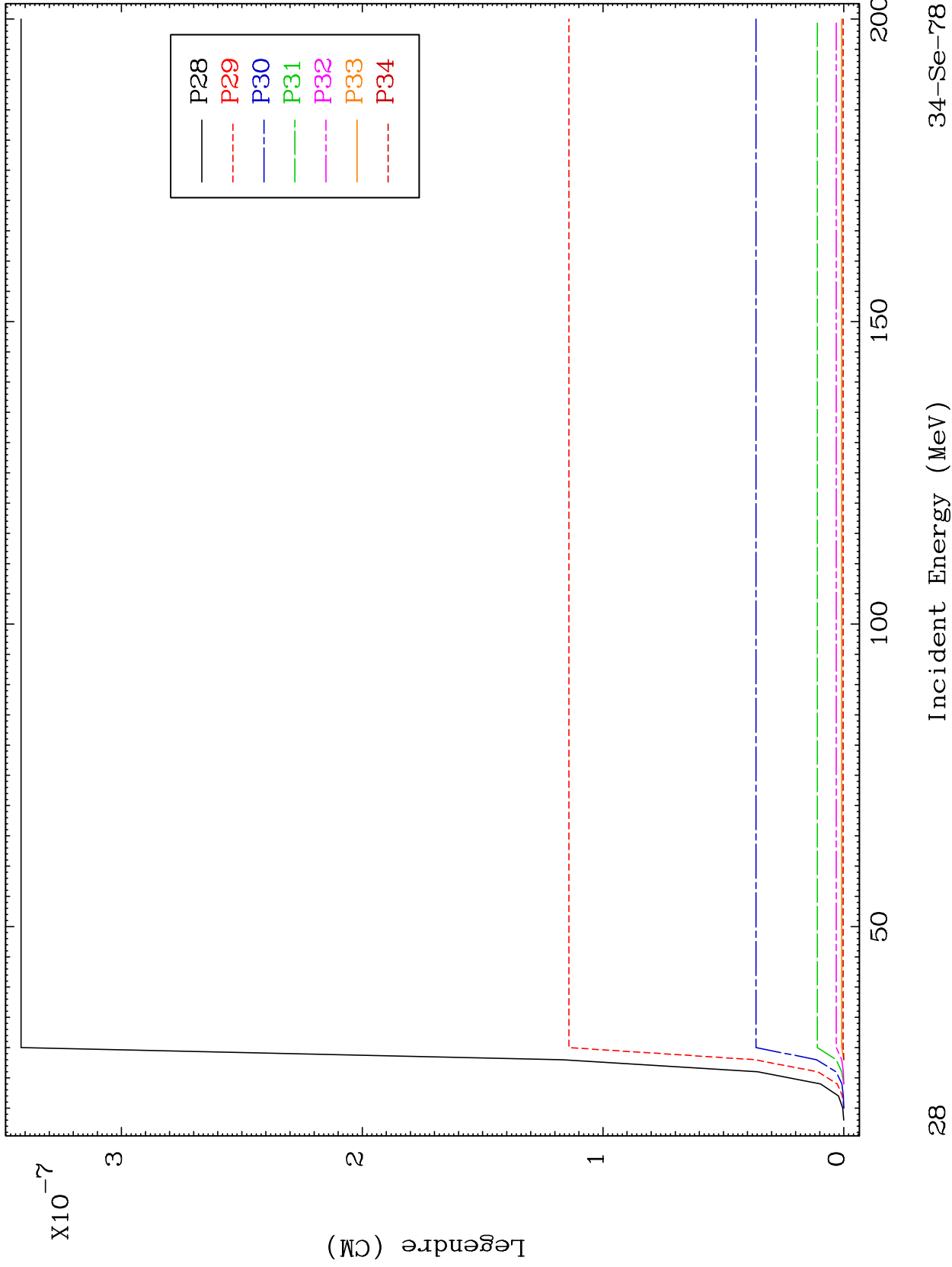
³⁴Se-78



MAT 3437

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

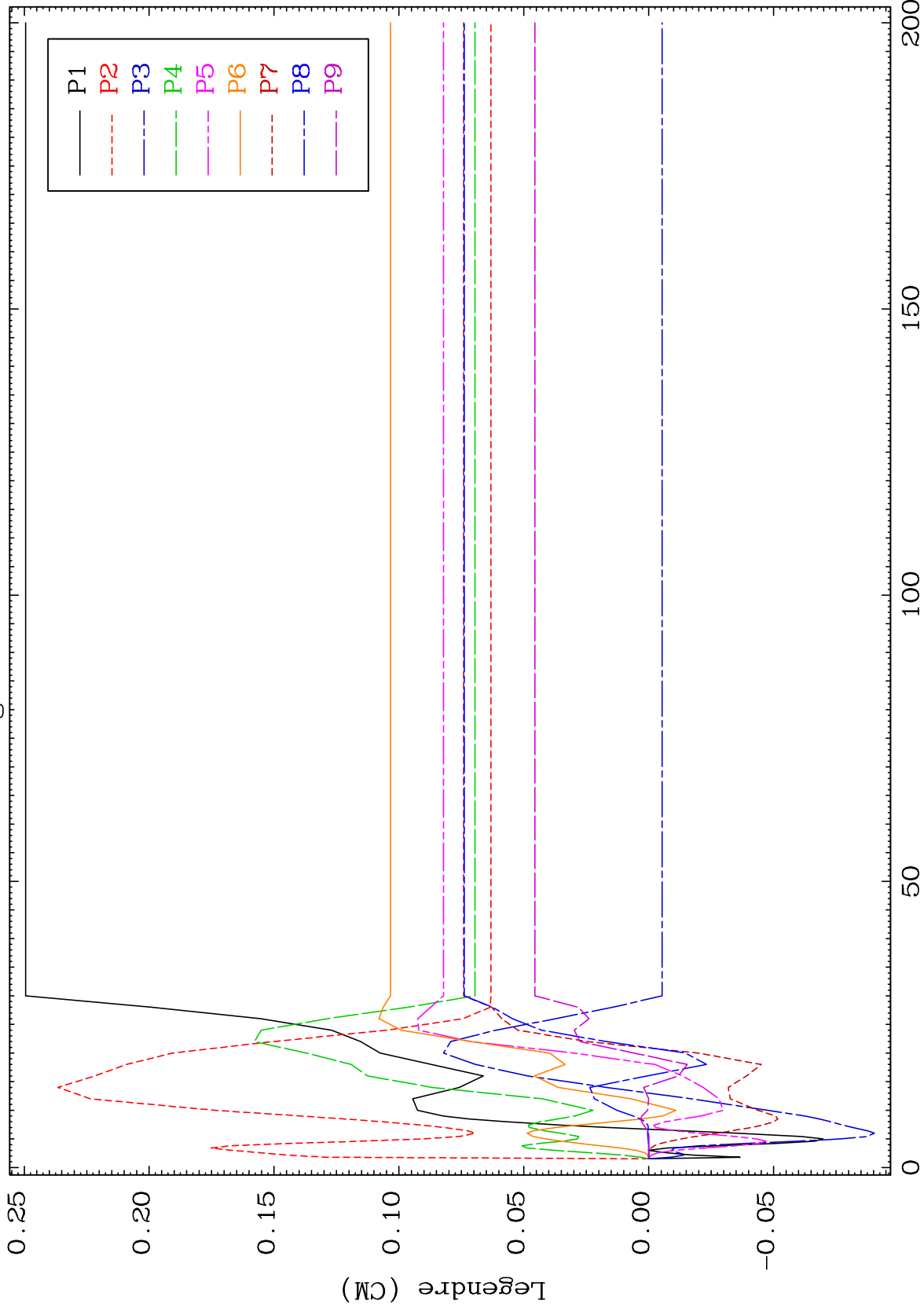
³⁴Se-78



MAT 3437

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

34-Se-78



29

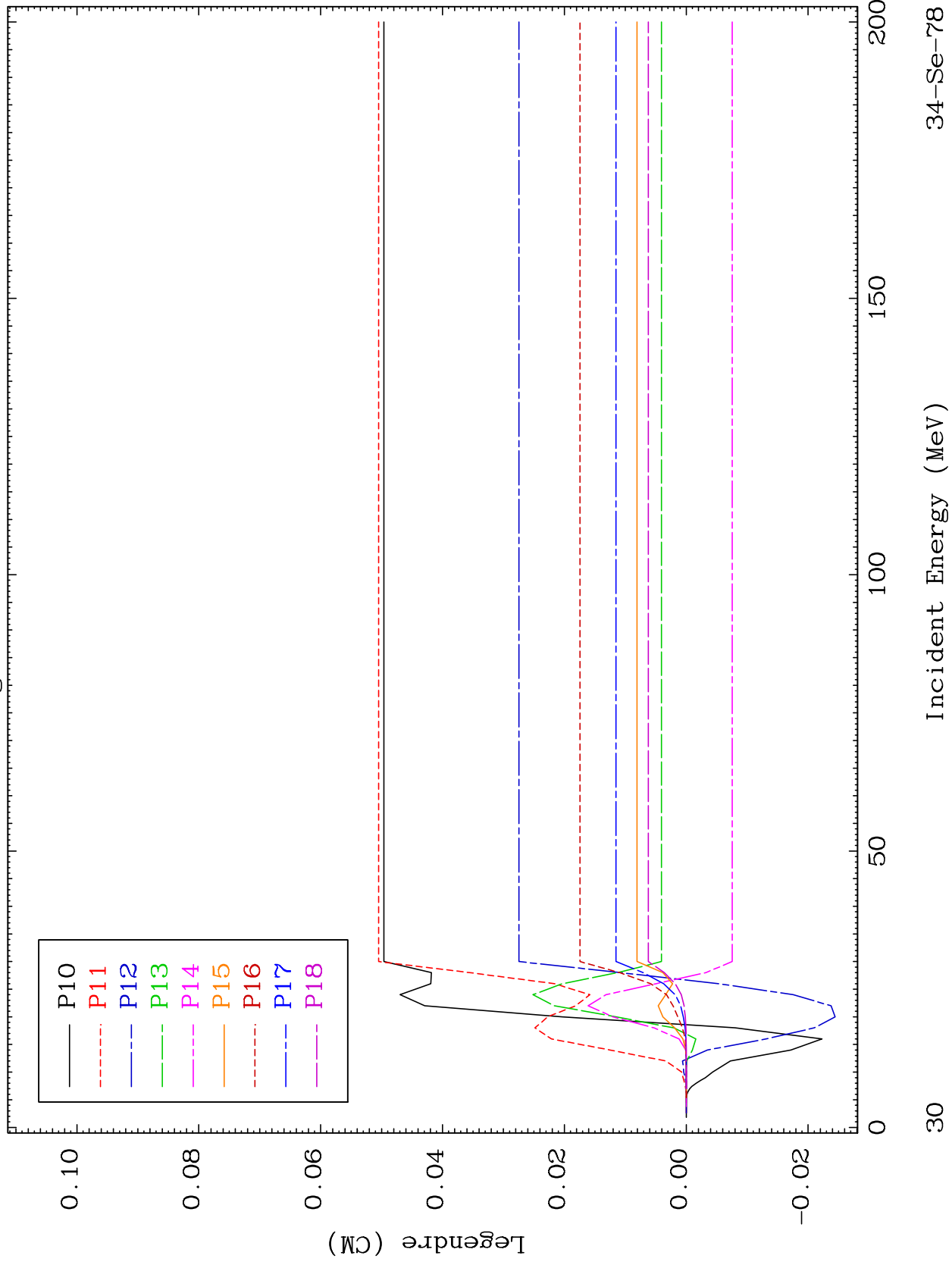
Incident Energy (MeV)

34-Se-78

MAT 3437

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

³⁴Se-78

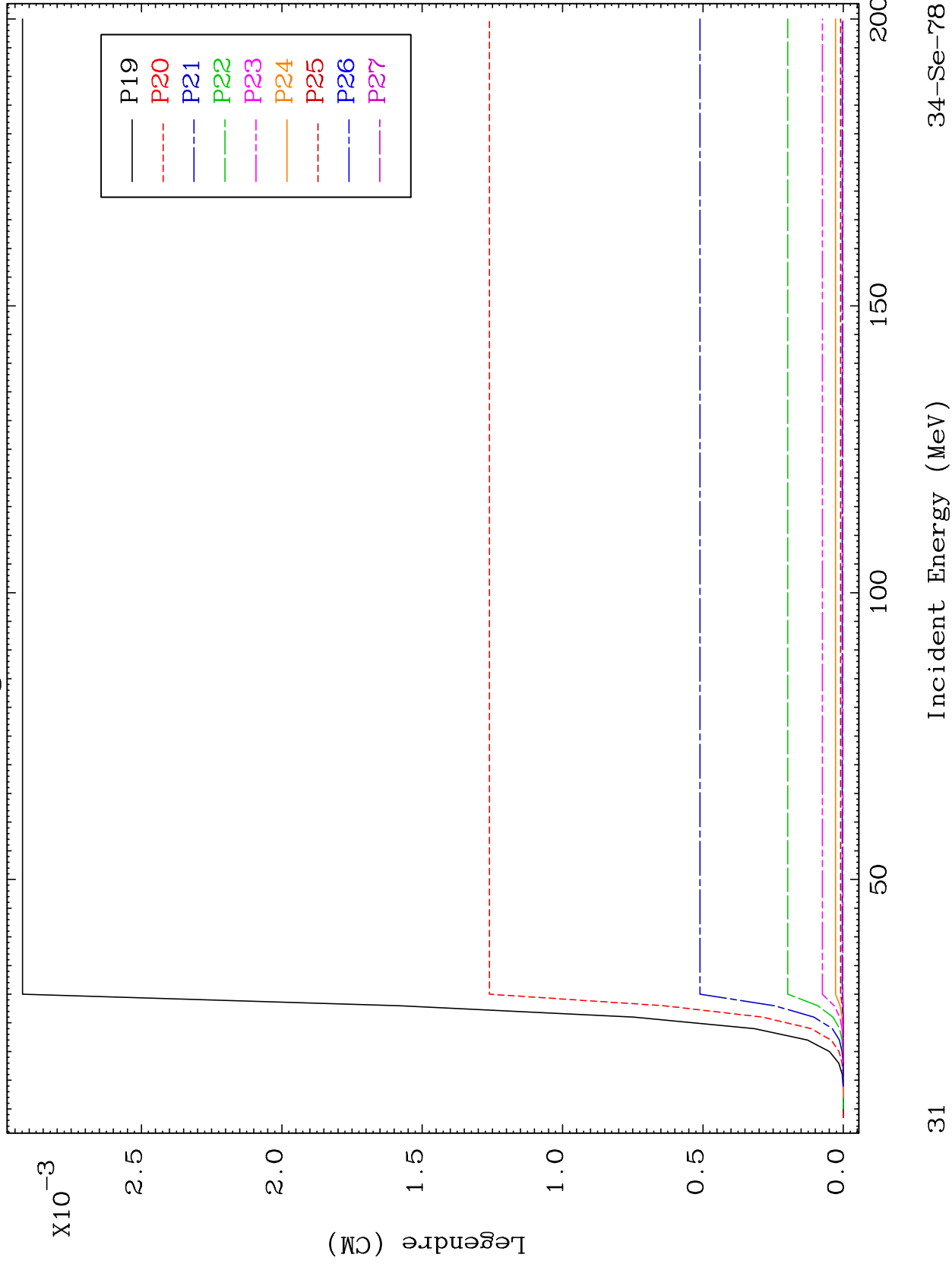


³⁴Se-78

MAT 3437

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

34-Se-78



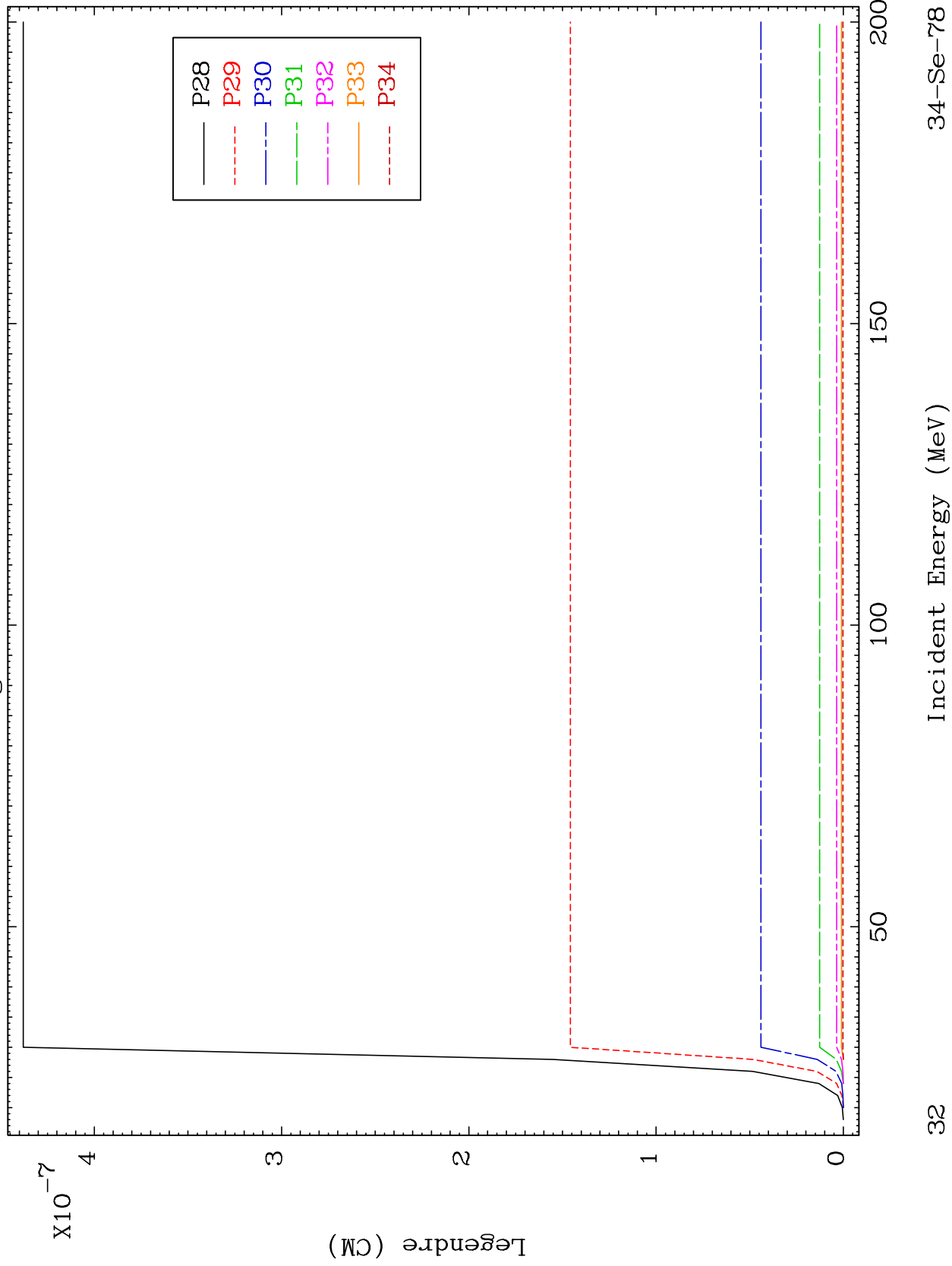
31

34-Se-78

MAT 3437

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

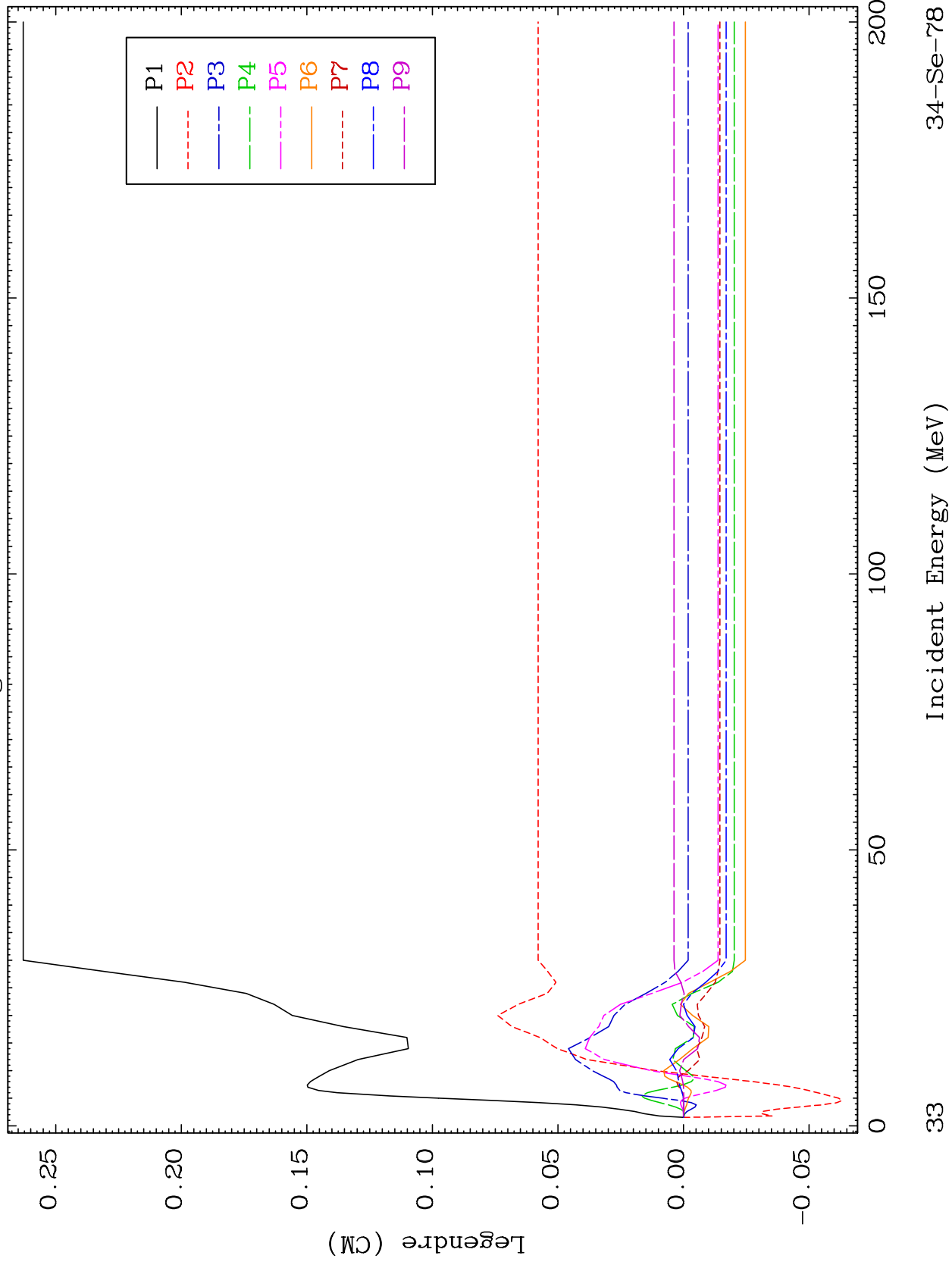
³⁴Se-78



MAT 3437

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

³⁴Se-78



³⁴Se-78

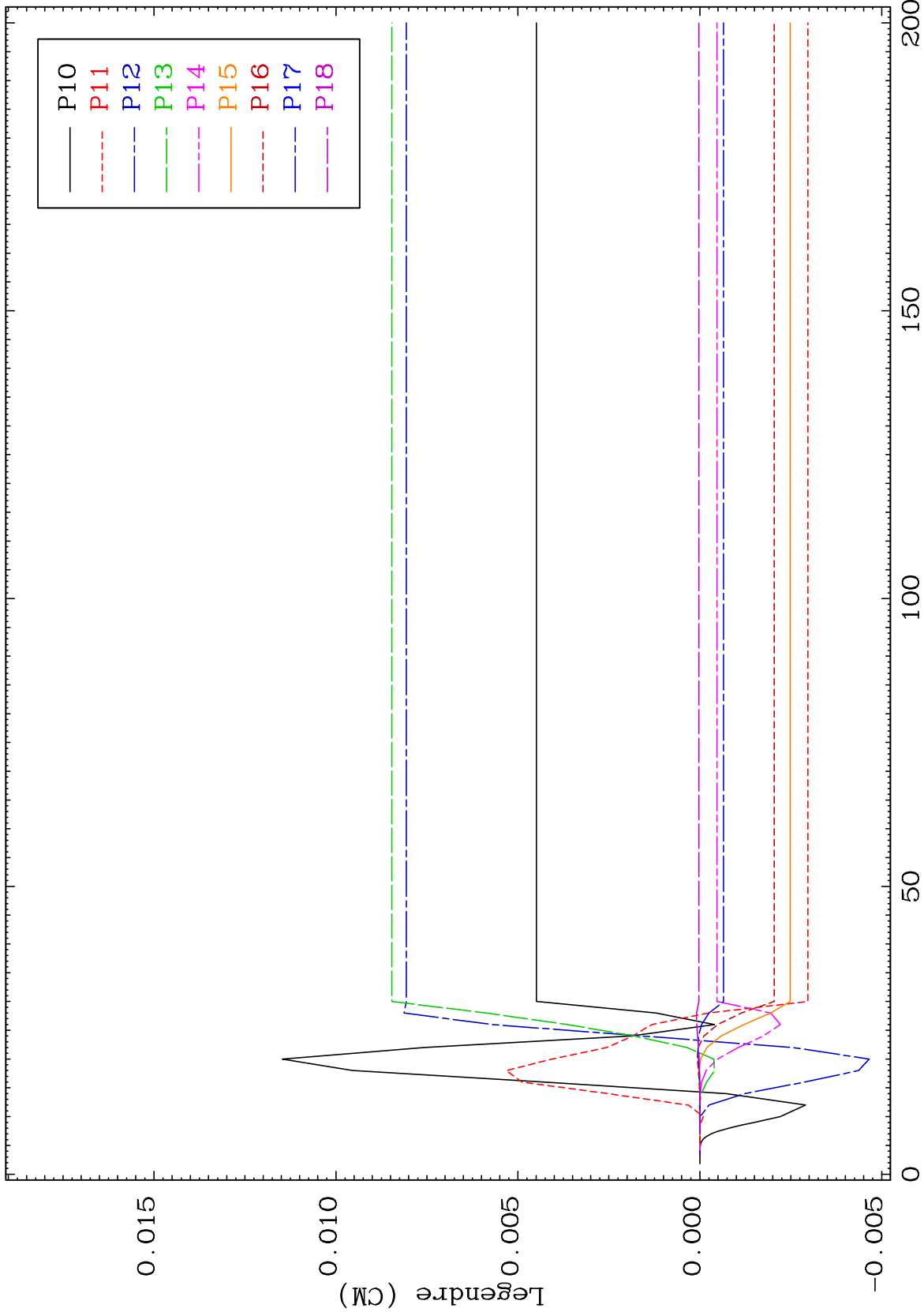
Incident Energy (MeV)

33

MAT 3437

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

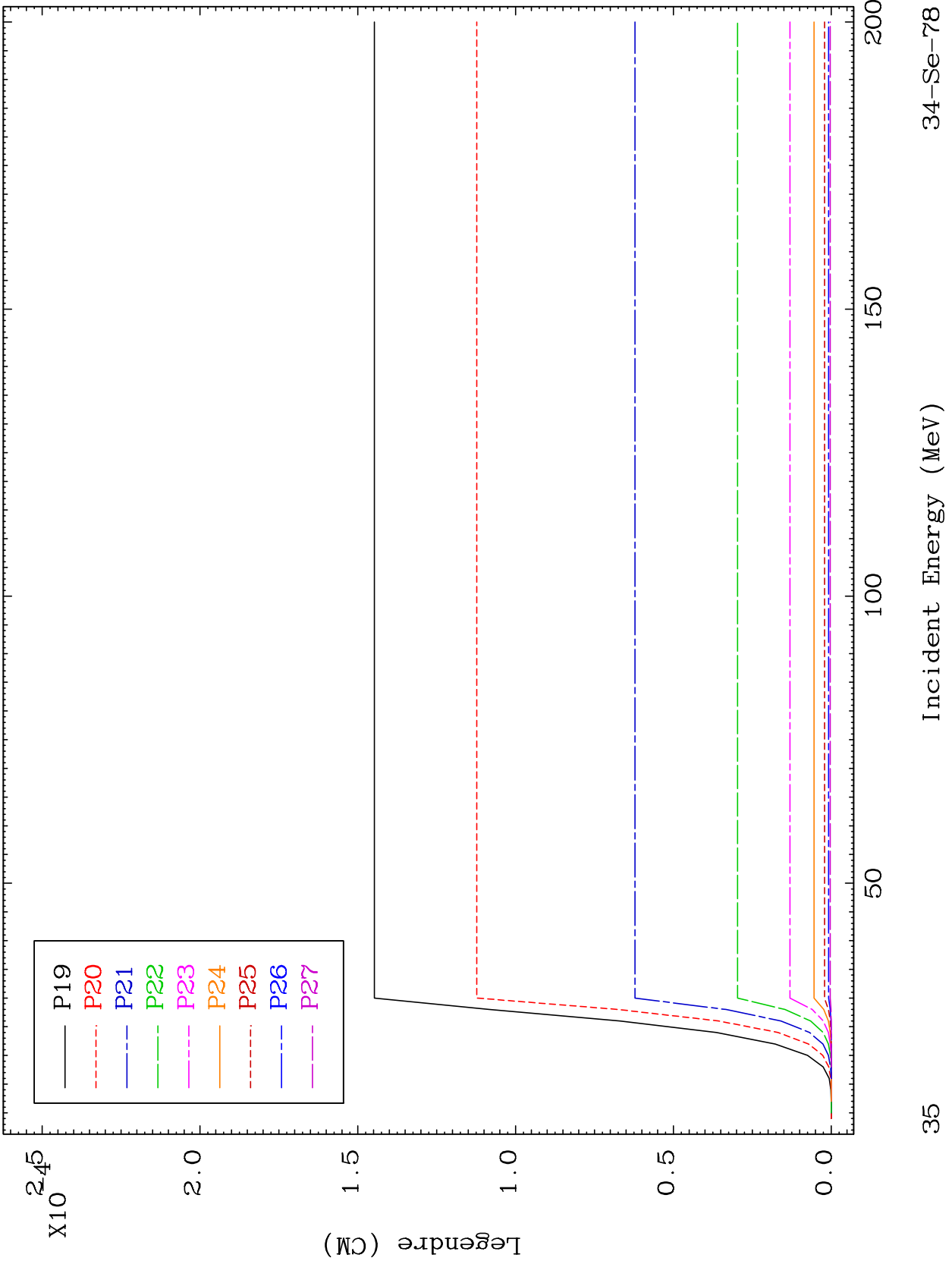
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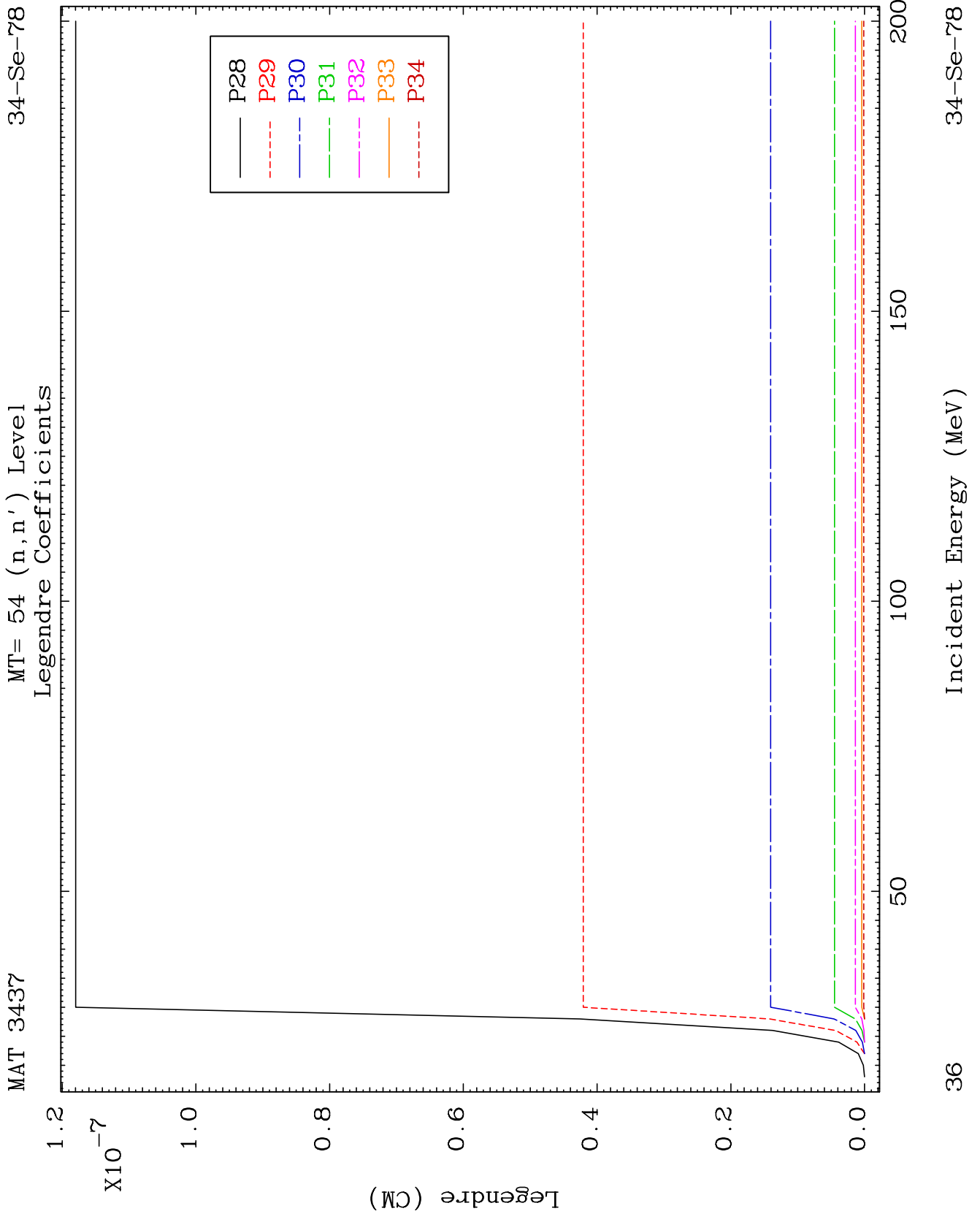


34

Incident Energy (MeV)

34-Se-78

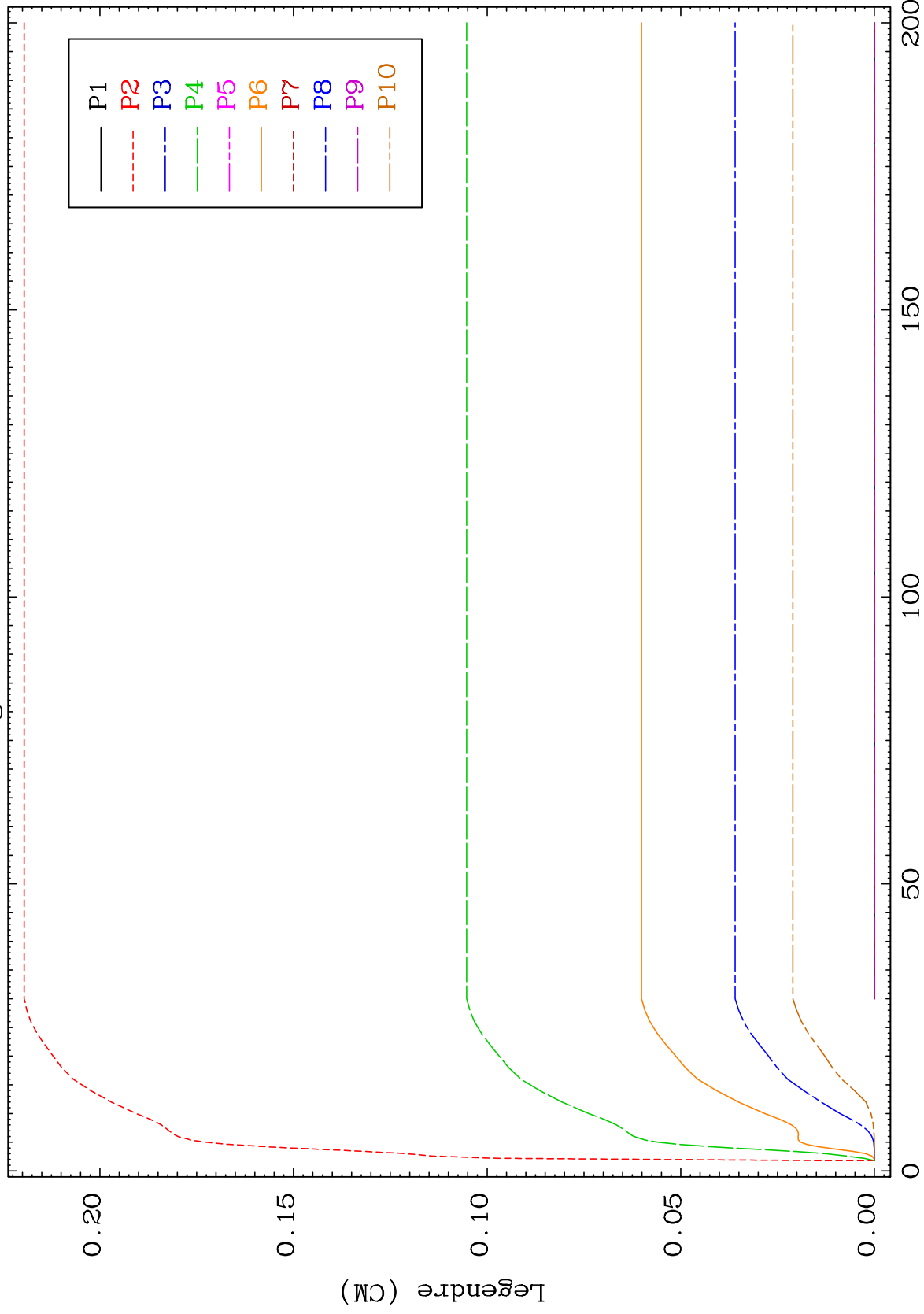




MAT 3437

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

³⁴Se-78



37

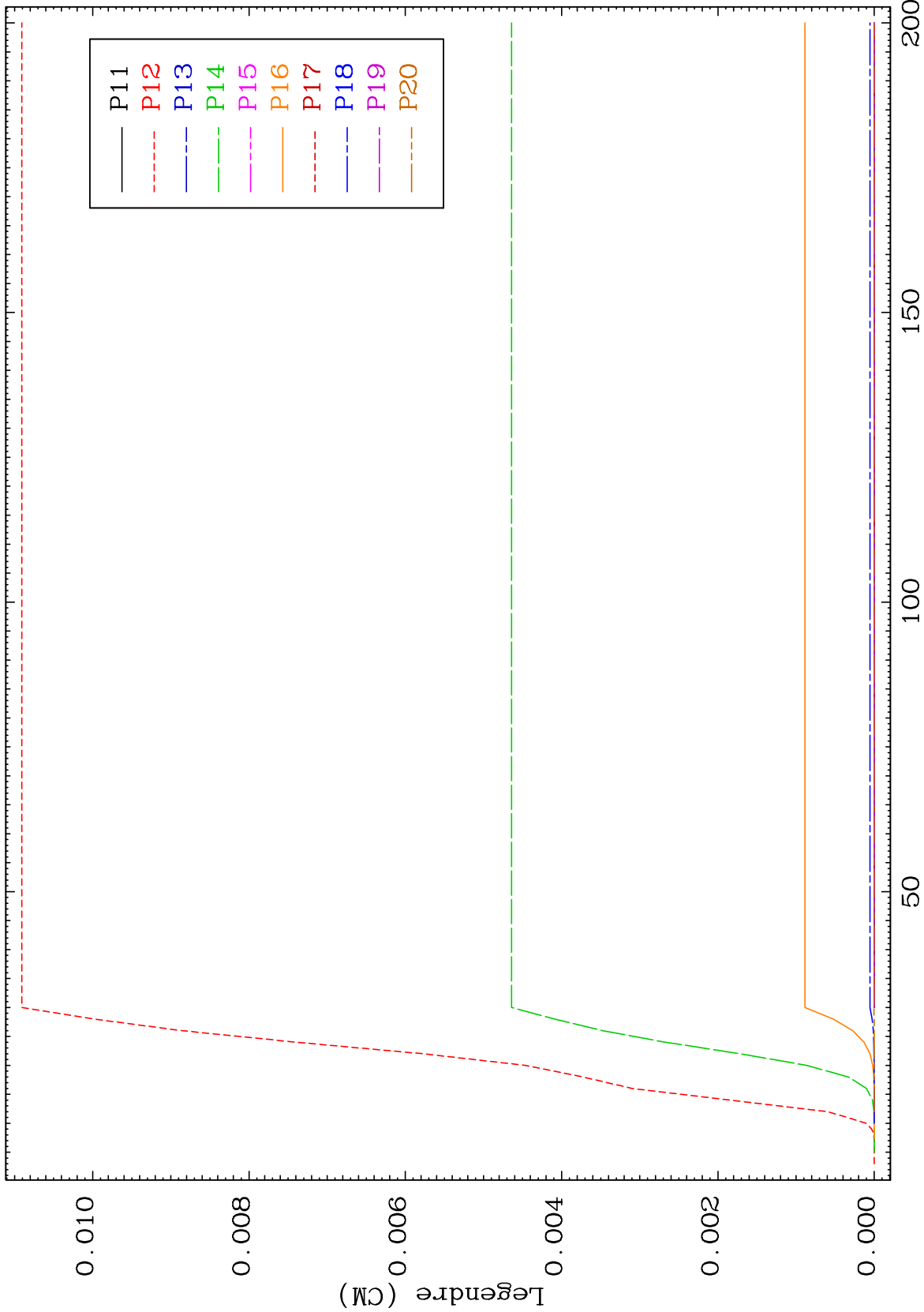
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78



38

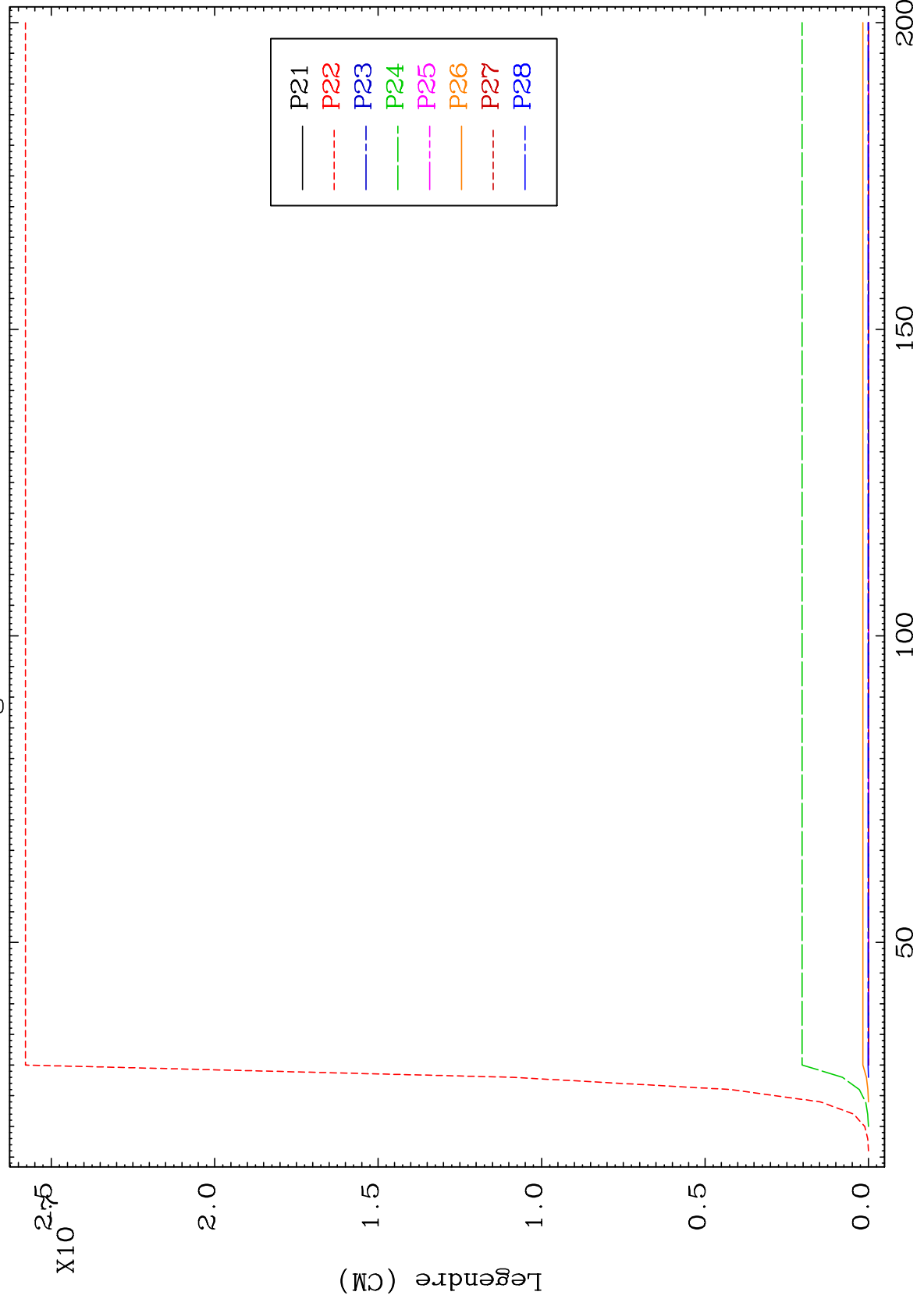
Incident Energy (MeV)

34-Se-78

MAT 3437

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

34-Se-78



39

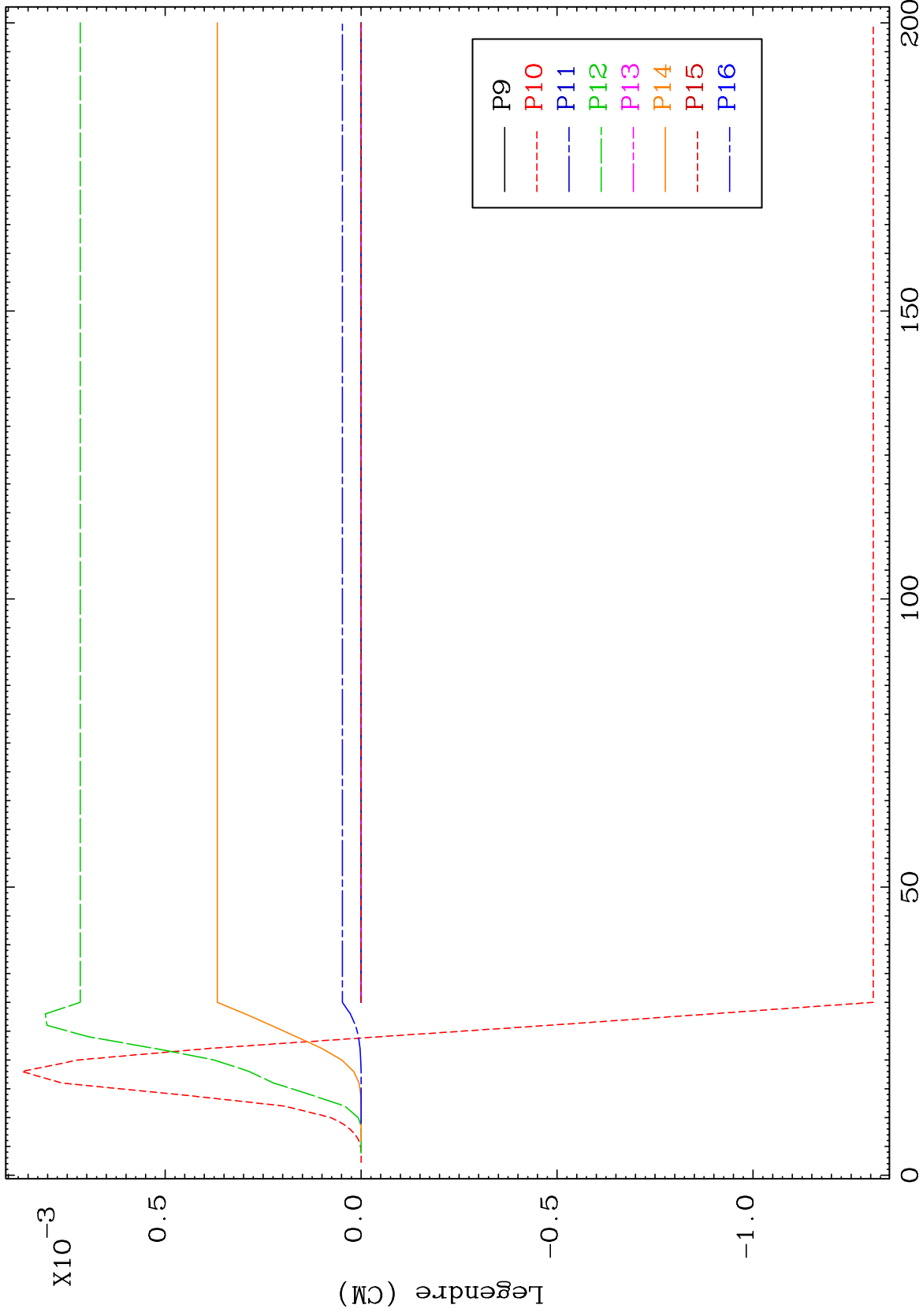
Incident Energy (MeV)

34-Se-78

MAT 3437

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

34-Se-78



41

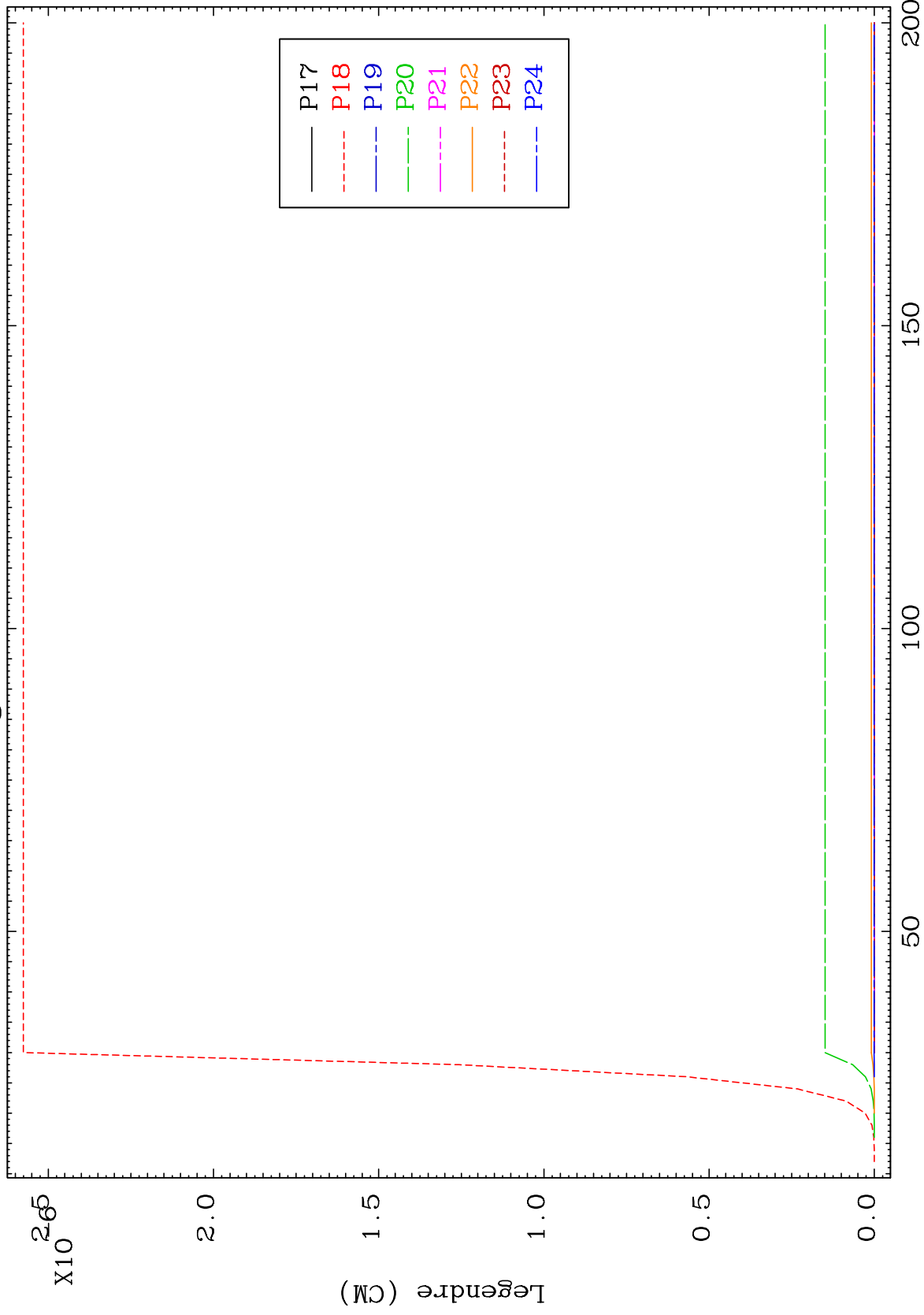
Incident Energy (MeV)

34-Se-78

MAT 3437

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

34-Se-78



42

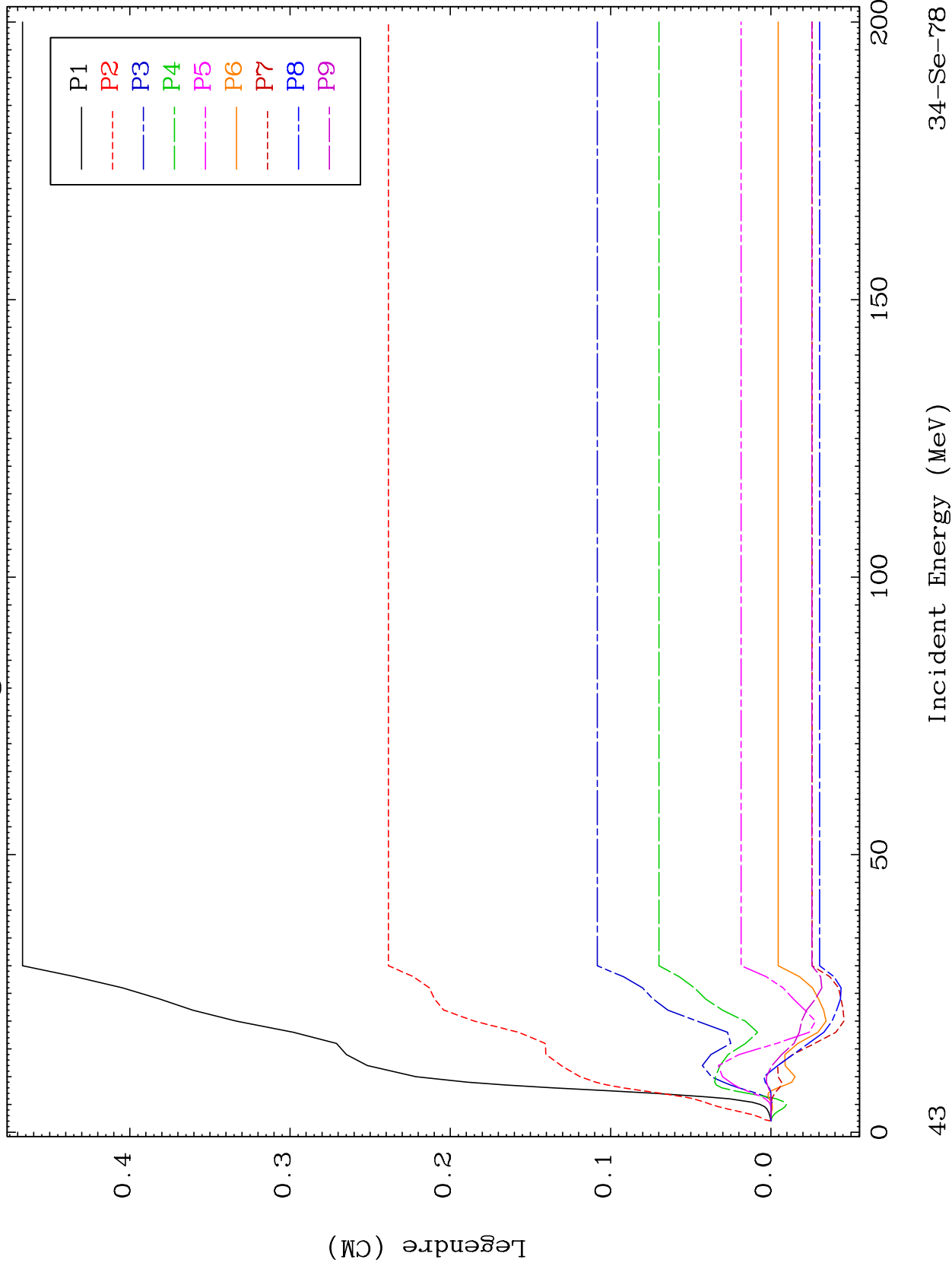
Incident Energy (MeV)

34-Se-78

MAT 3437

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

³⁴Se-78



43

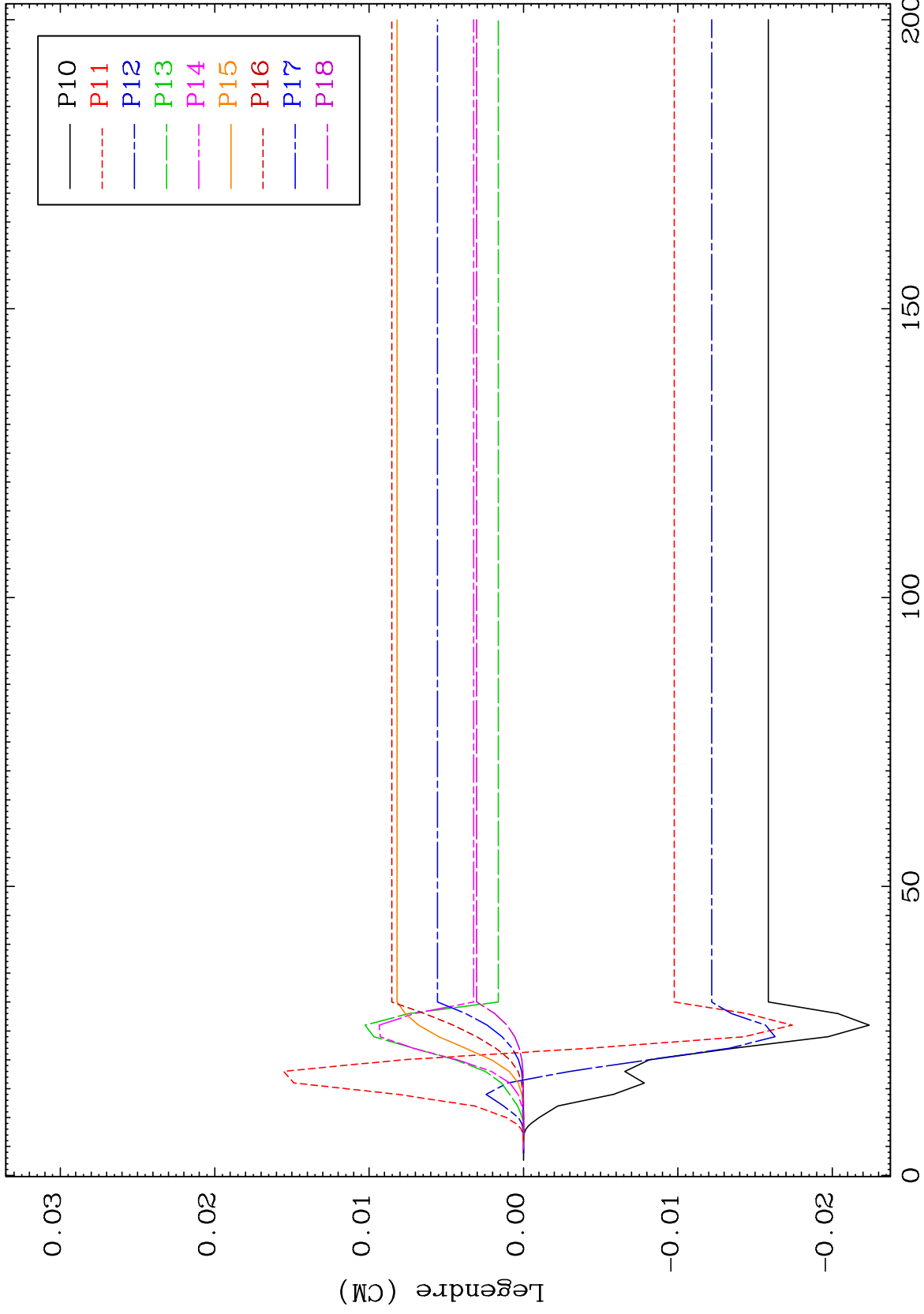
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78



44

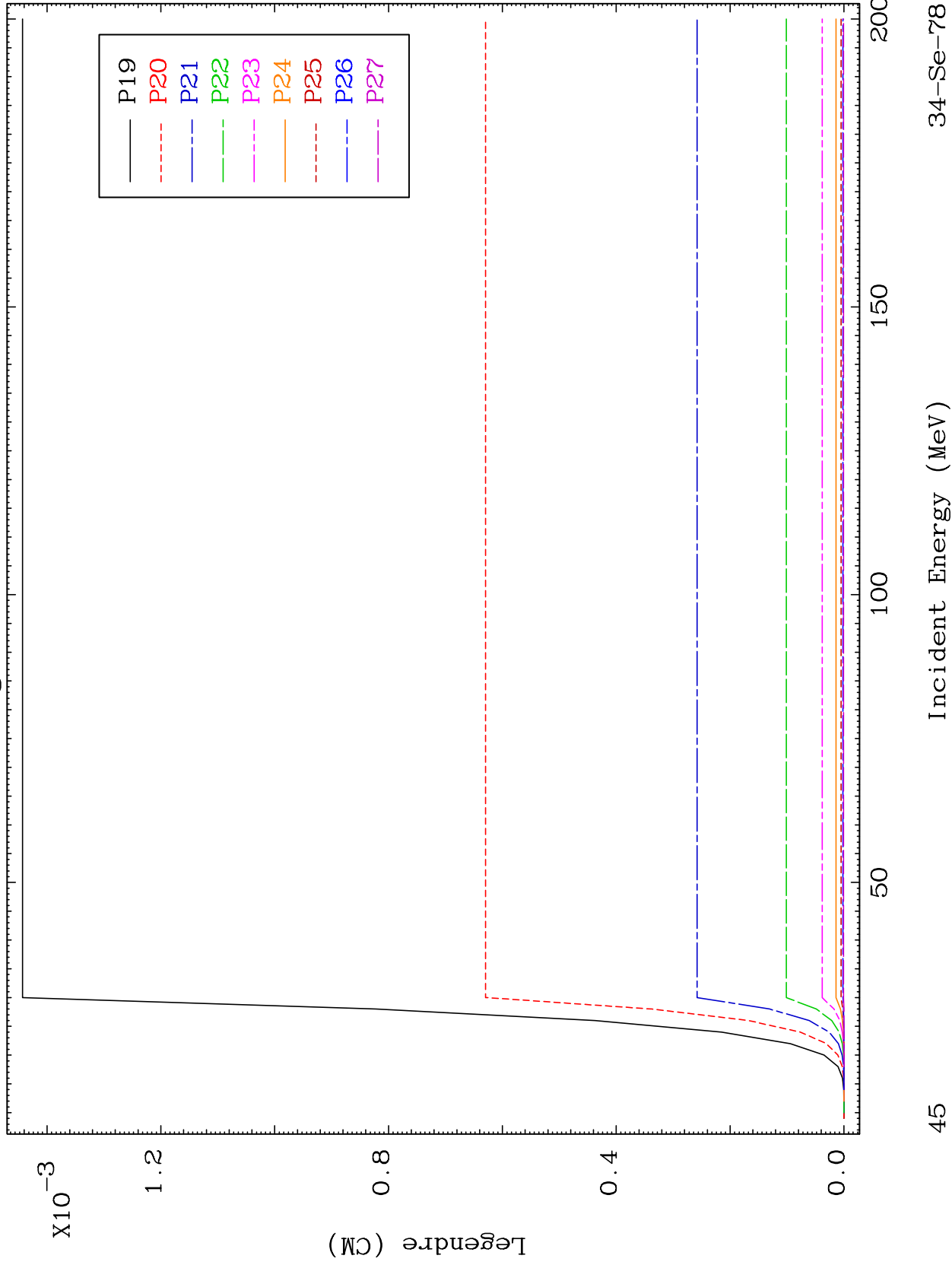
Incident Energy (MeV)

34-Se-78

MAT 3437

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

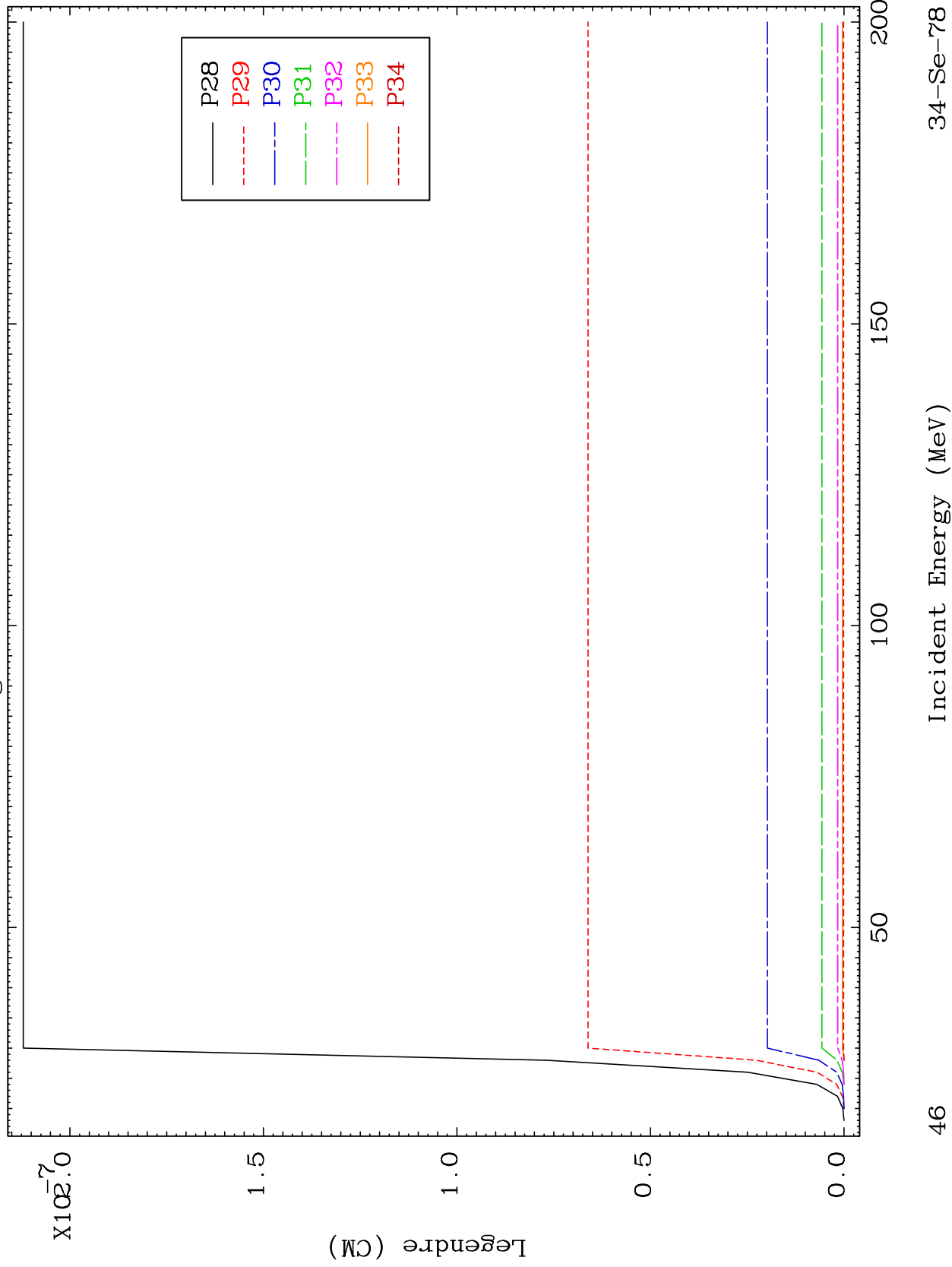
34-Se-78



MAT 3437

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

³⁴Se-78



46

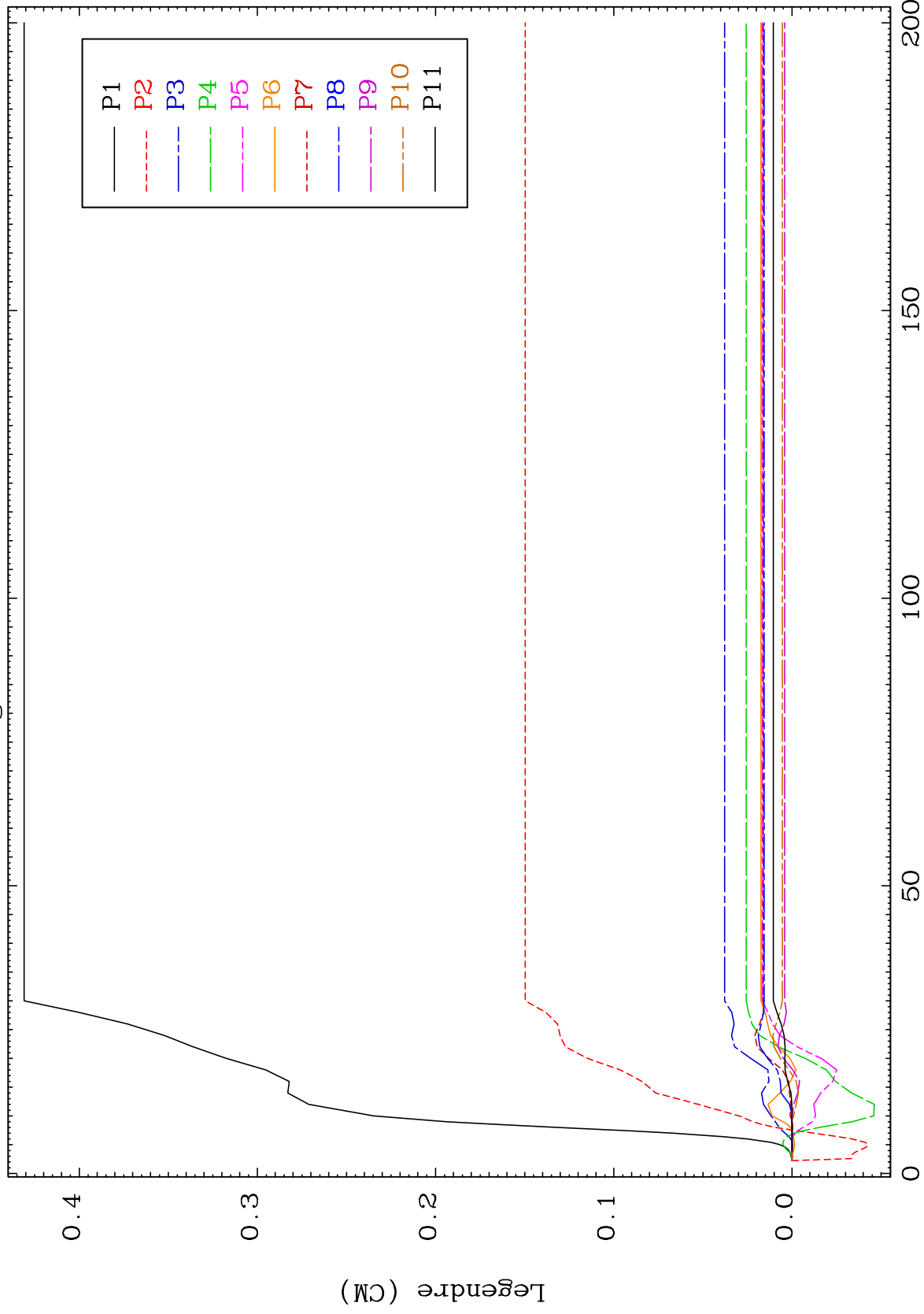
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

³⁴Se-78



47

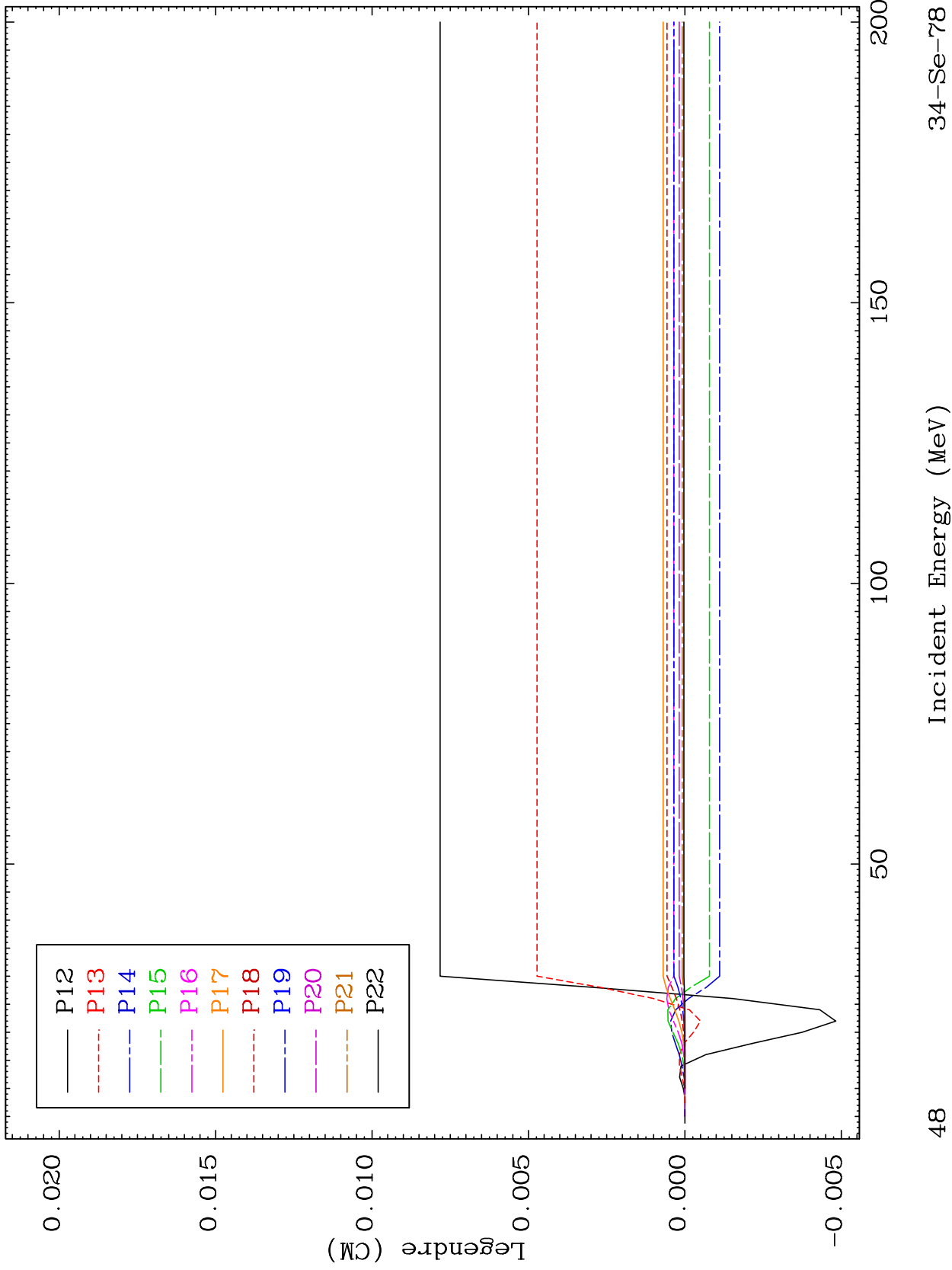
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78



48

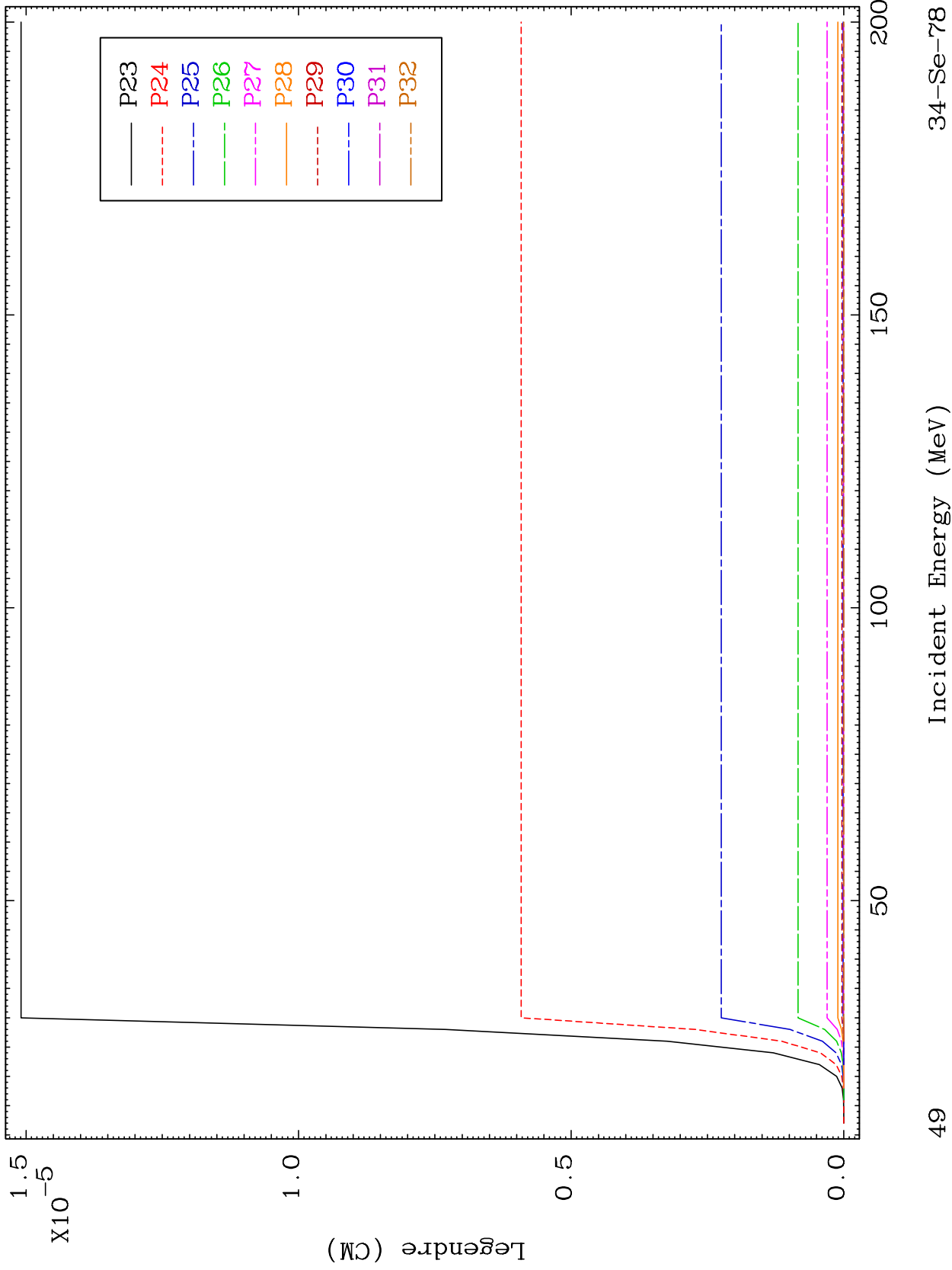
Incident Energy (MeV)

34-Se-78

MAT 3437

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

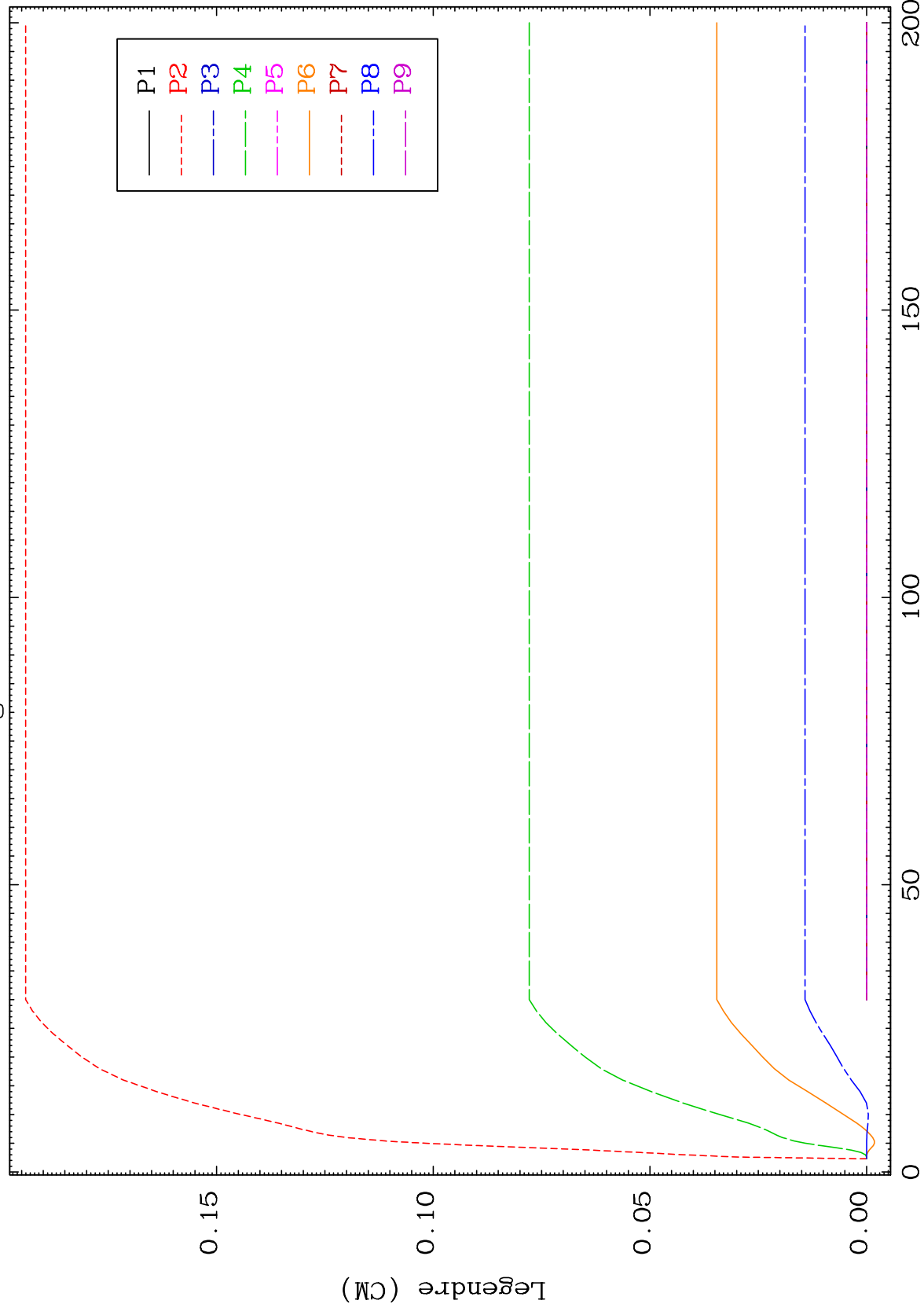
34-Se-78



MAT 3437

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

34-Se-78



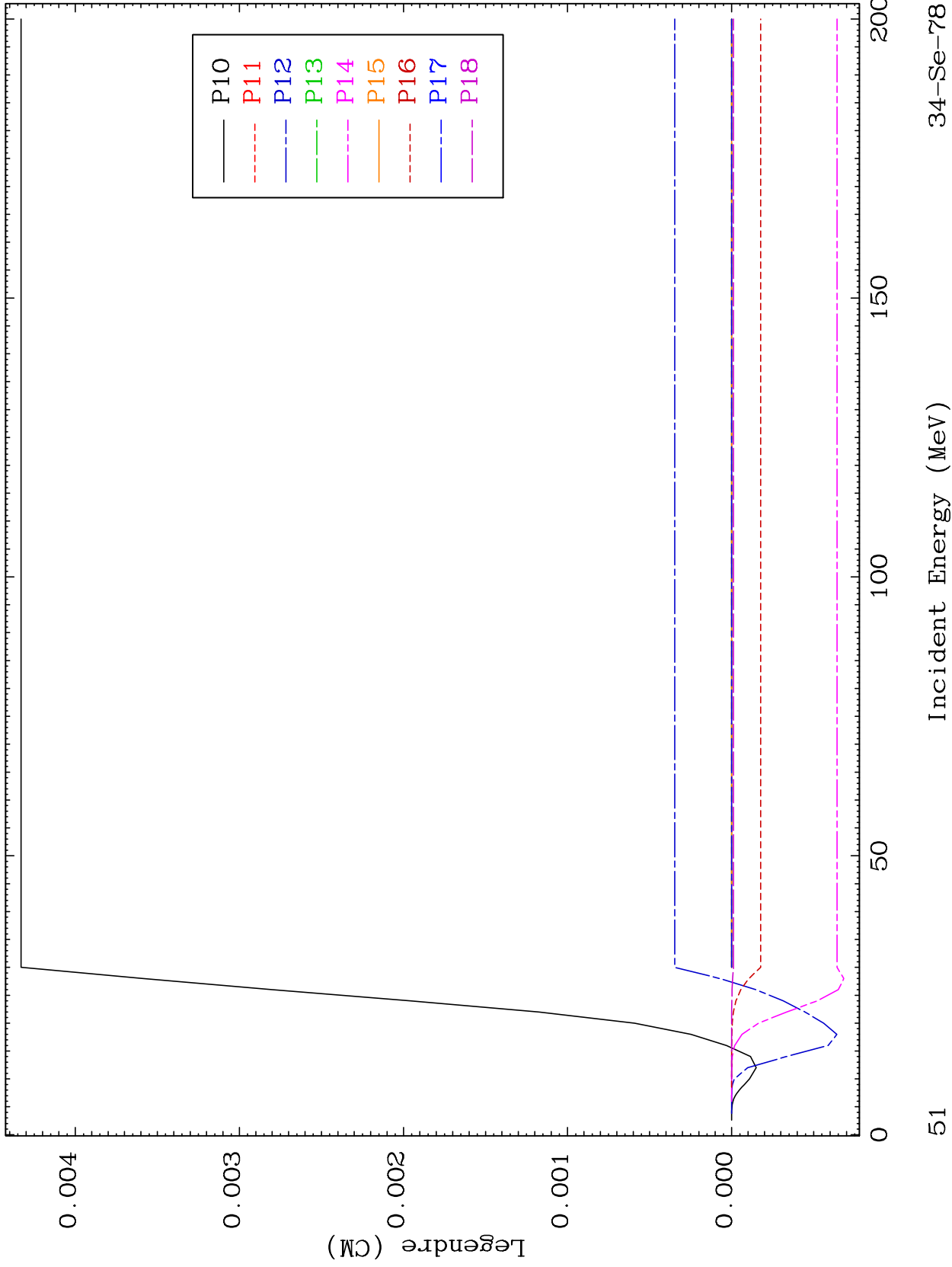
34-Se-78

Incident Energy (MeV)

MAT 3437

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

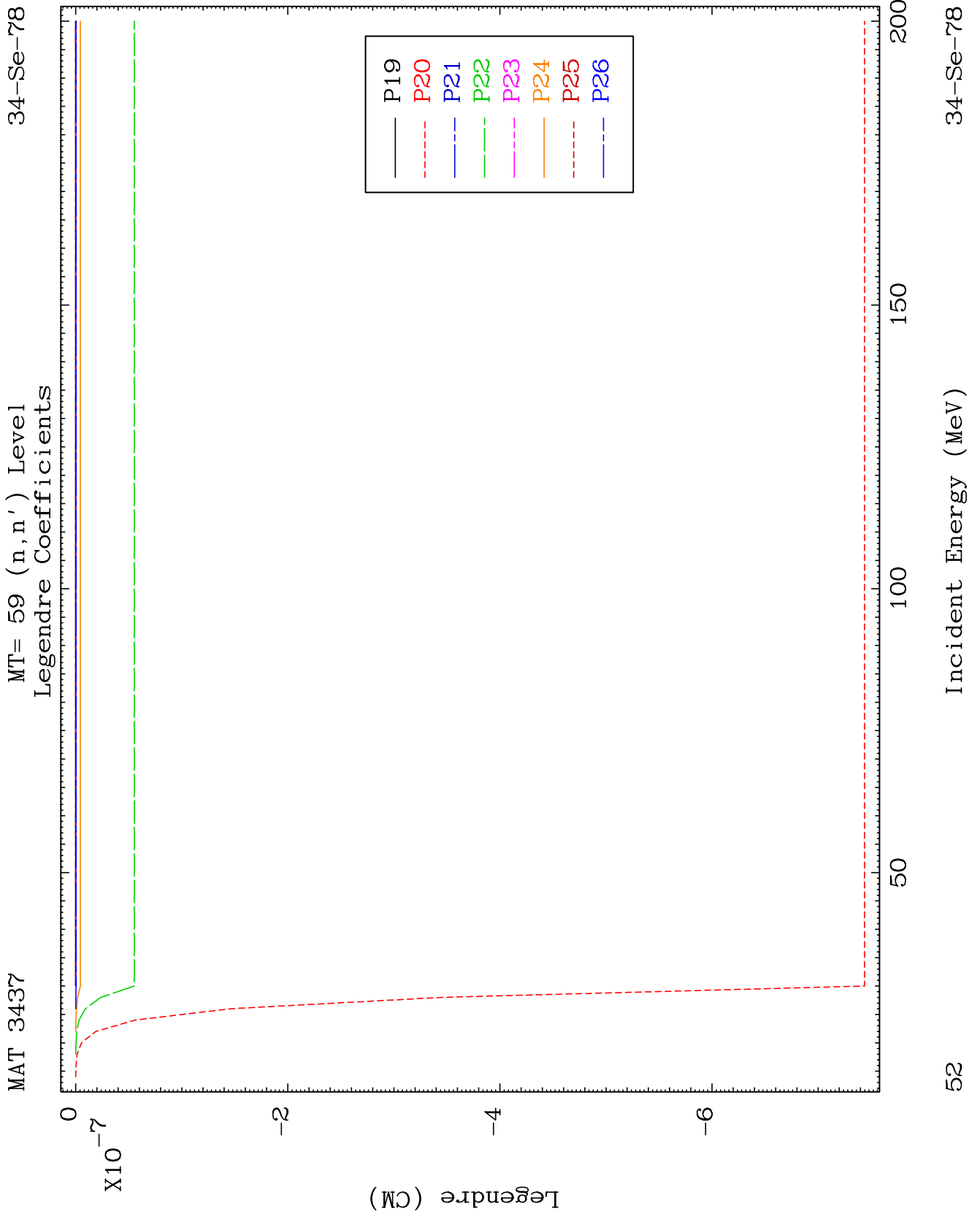
³⁴Se-78



51

Incident Energy (MeV)

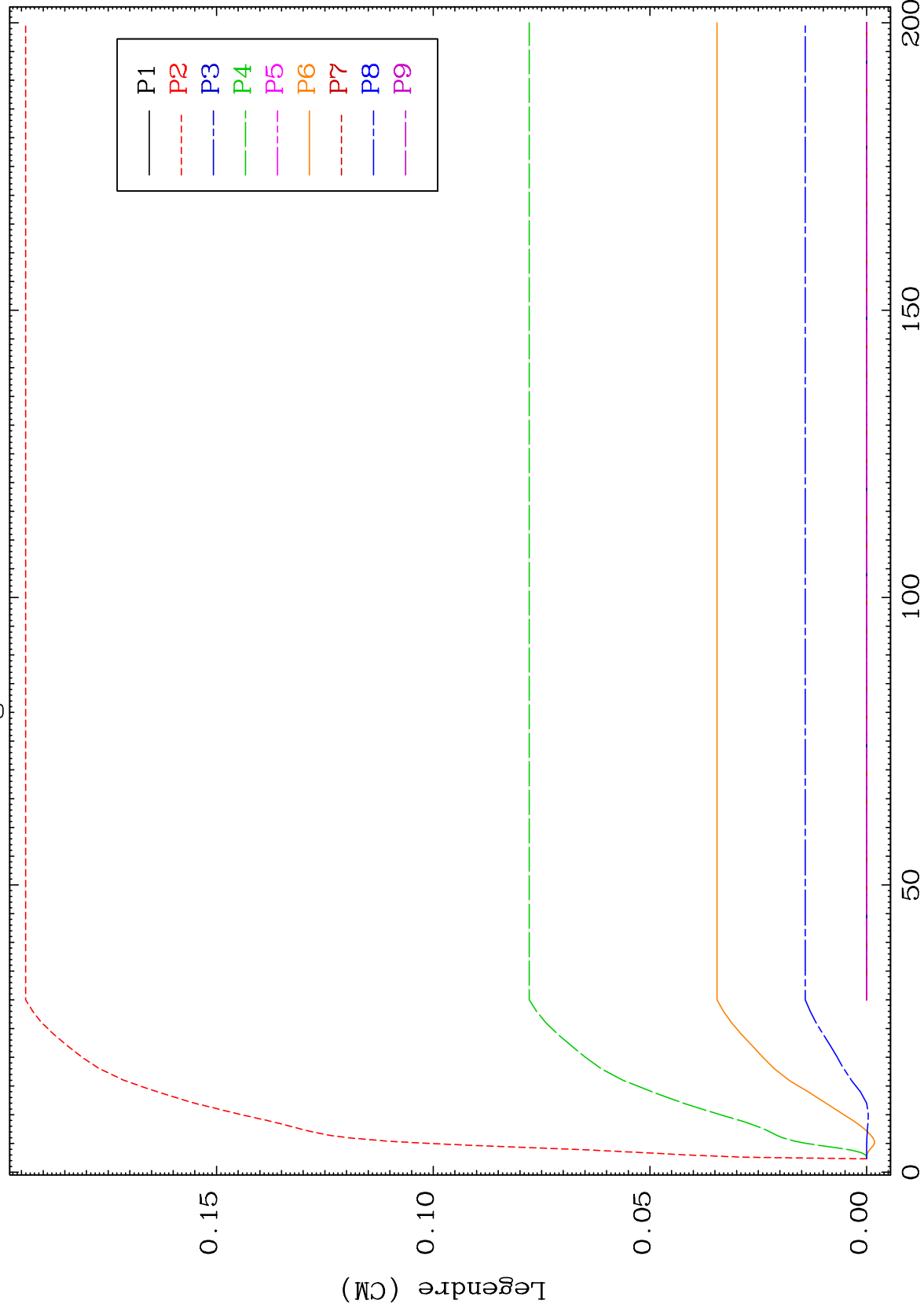
³⁴Se-78



MAT 3437

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

34-Se-78



53

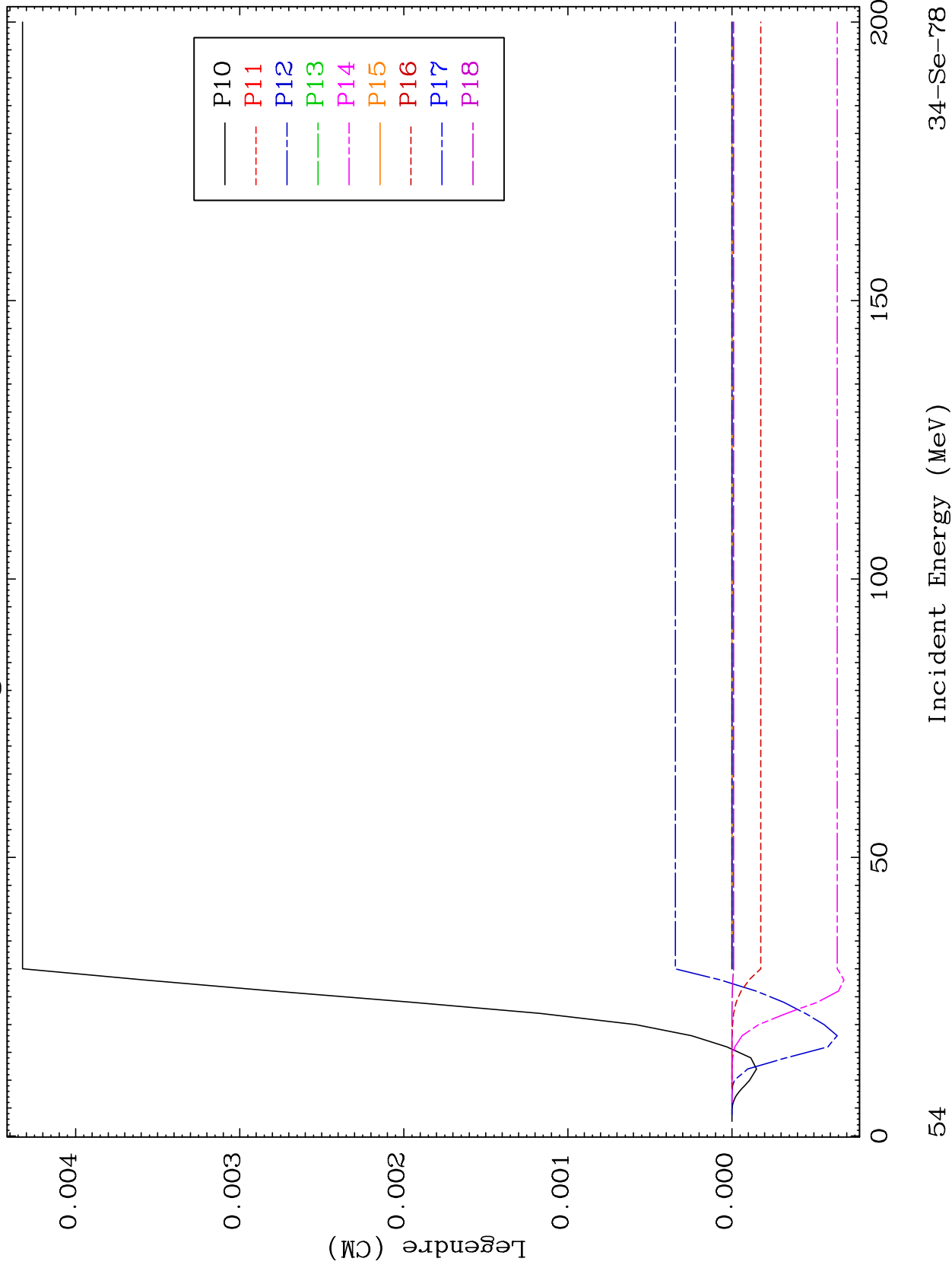
Incident Energy (MeV)

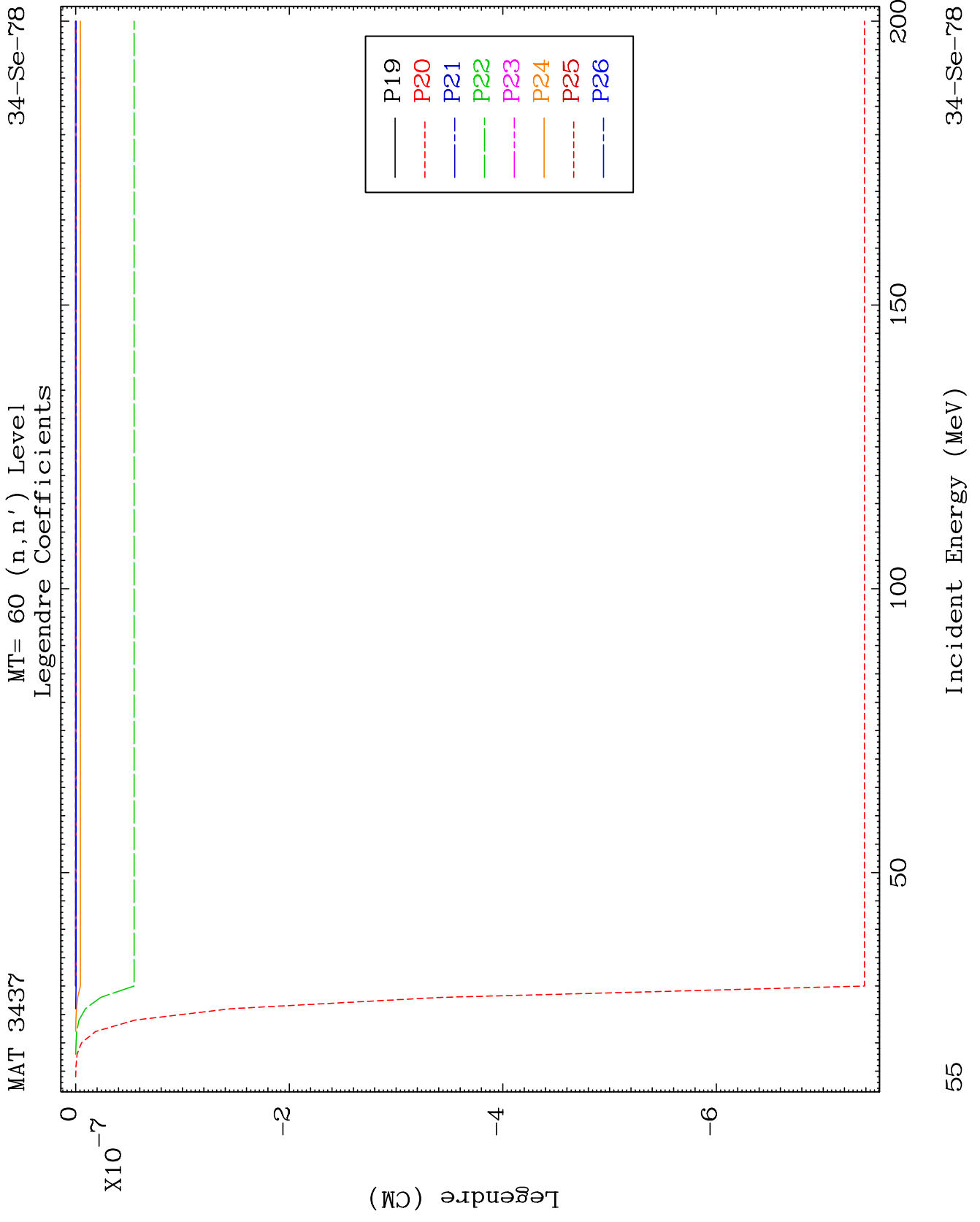
34-Se-78

MAT 3437

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

³⁴Se-78

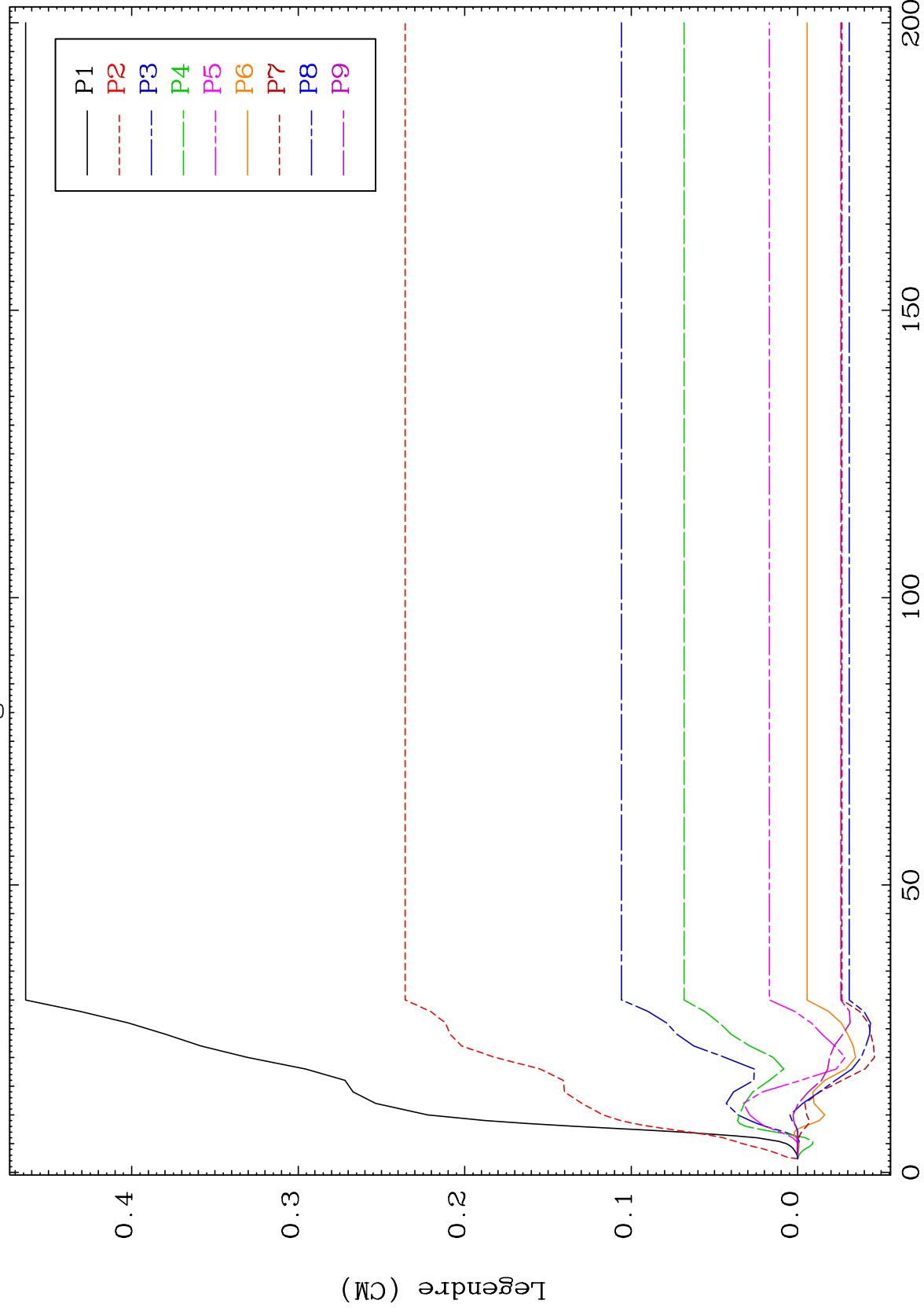




MAT 3437

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

³⁴Se-78



56

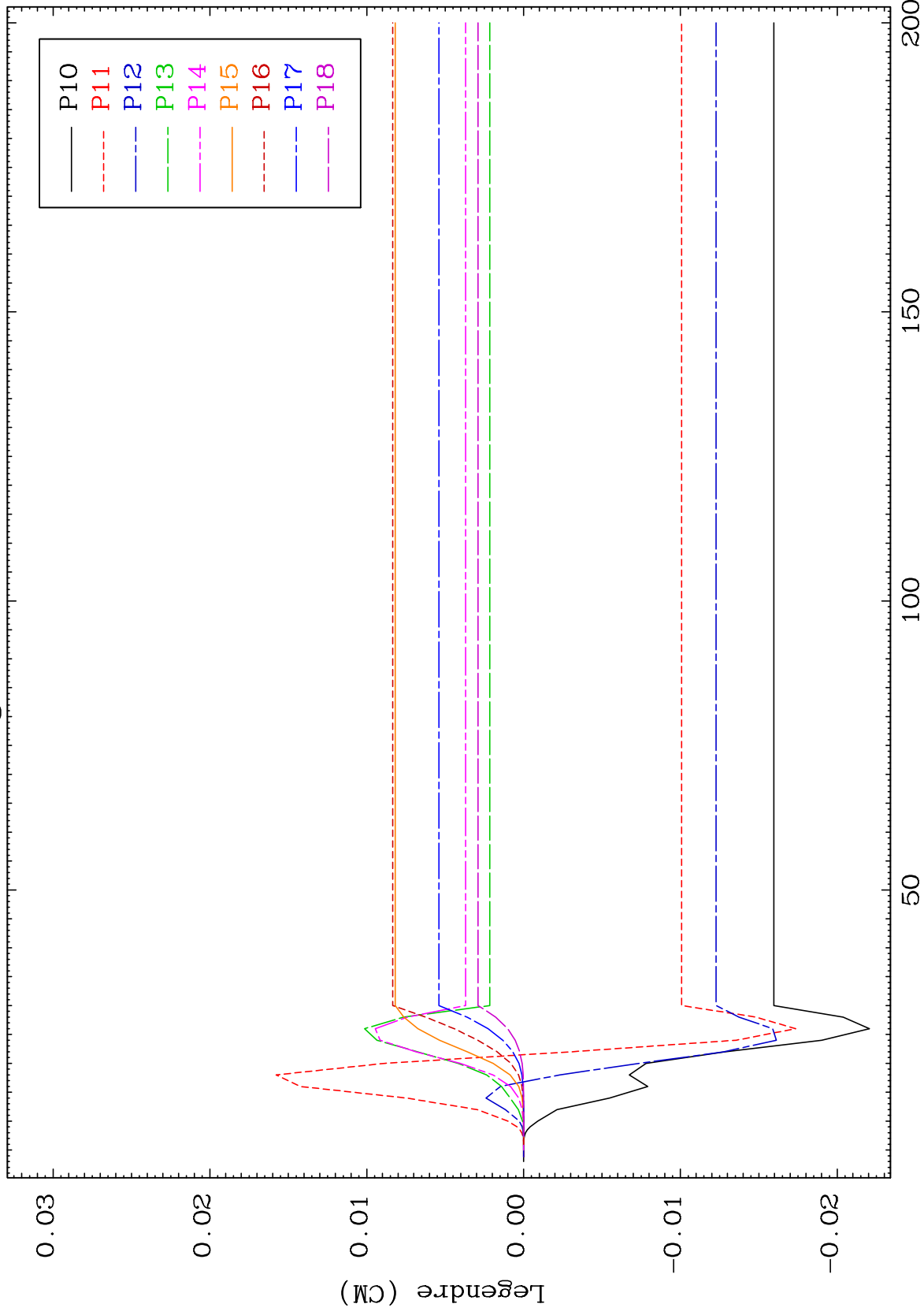
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

³⁴Se-78



57

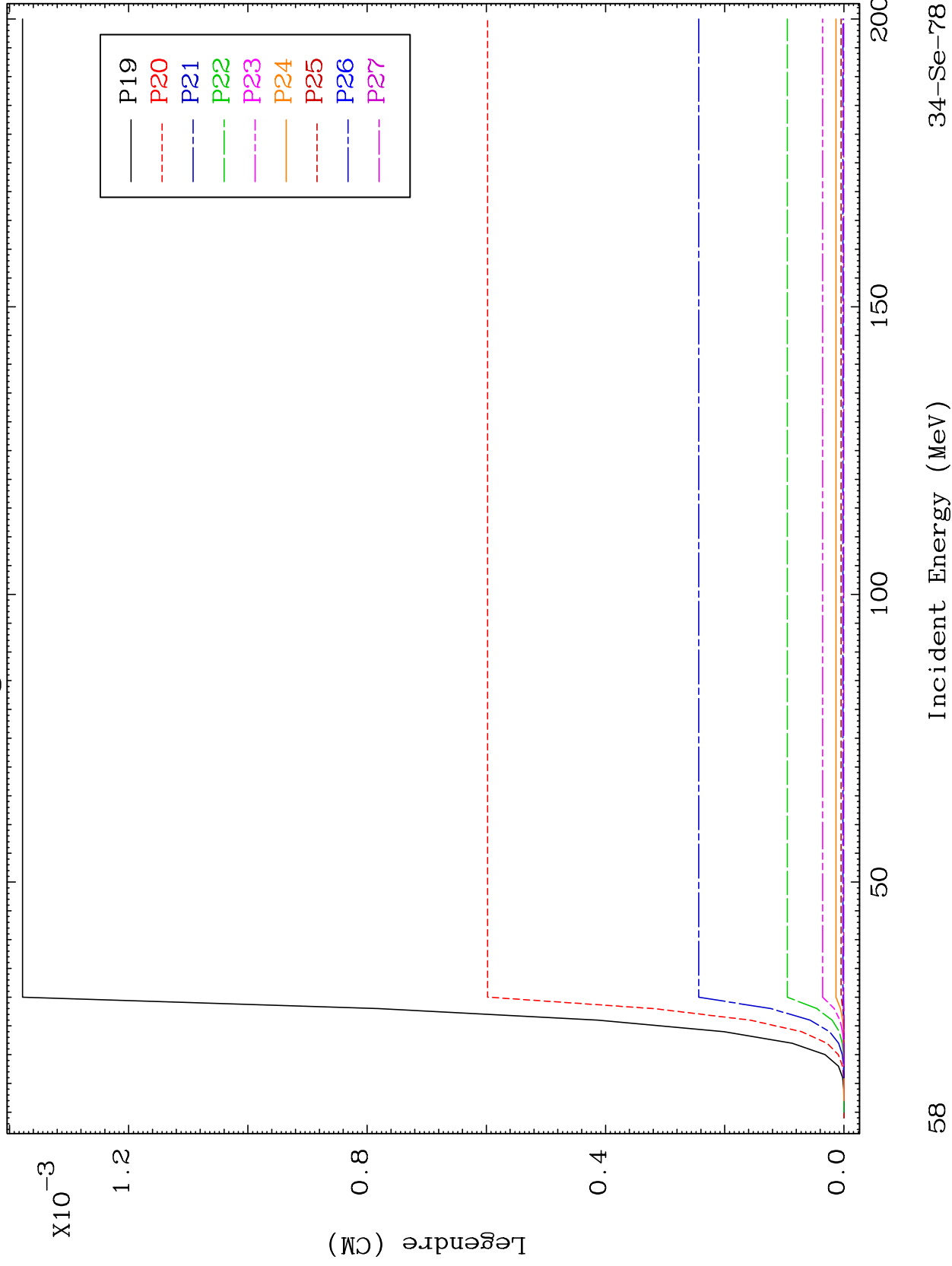
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78



58

Incident Energy (MeV)

34-Se-78

200

150

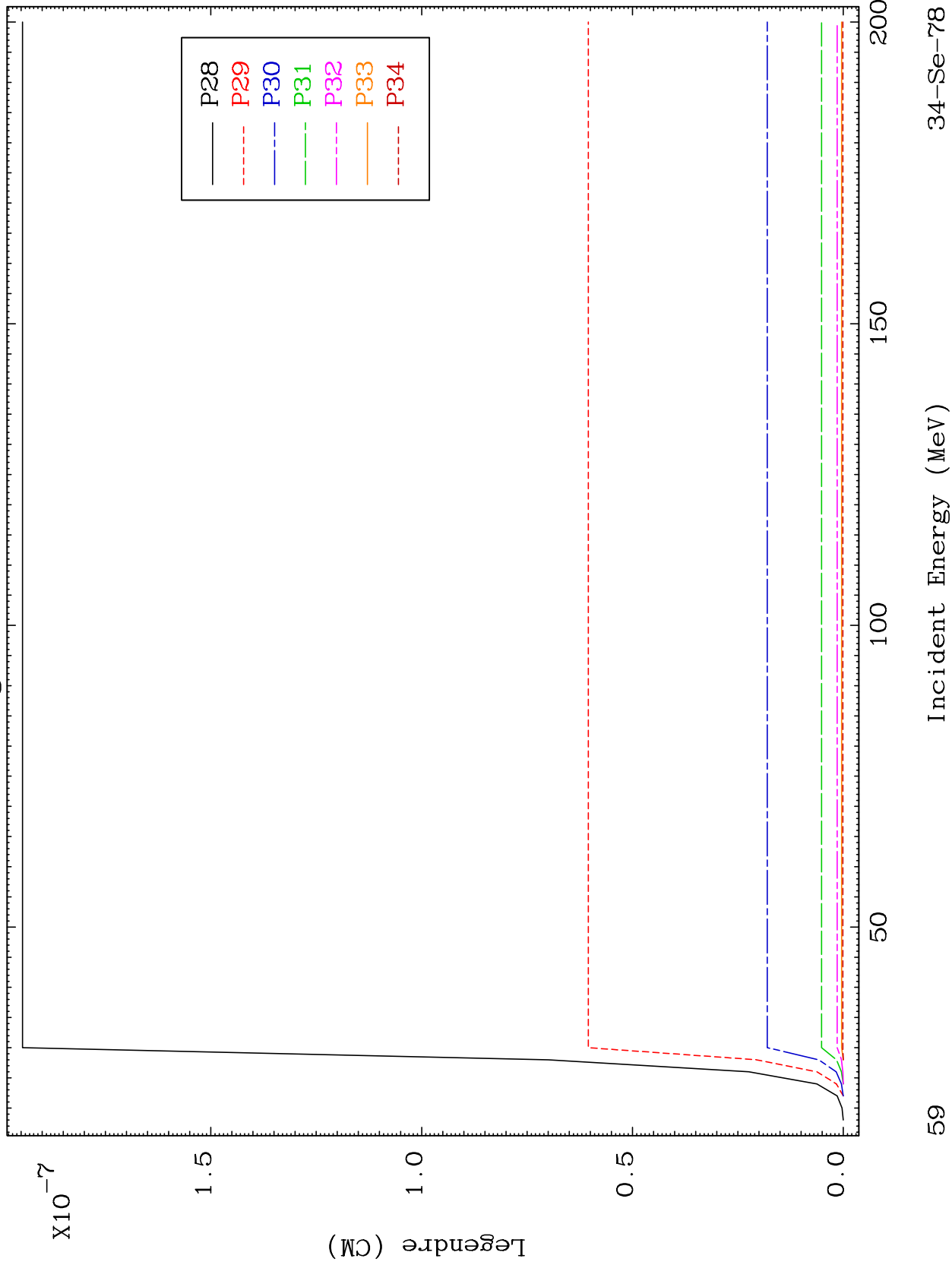
100

50

MAT 3437

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

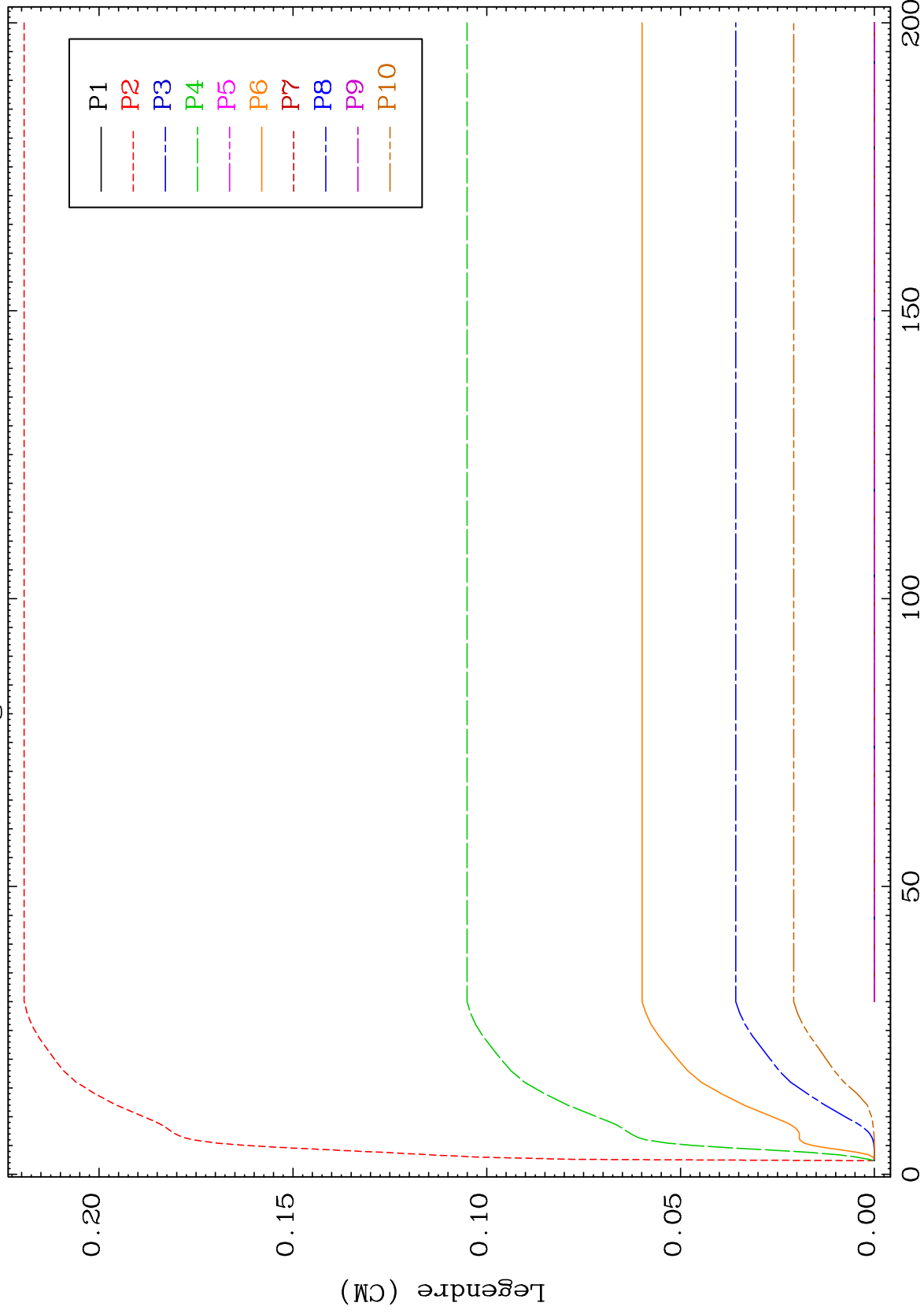
34-Se-78



MAT 3437

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

³⁴Se-78



³⁴Se-78

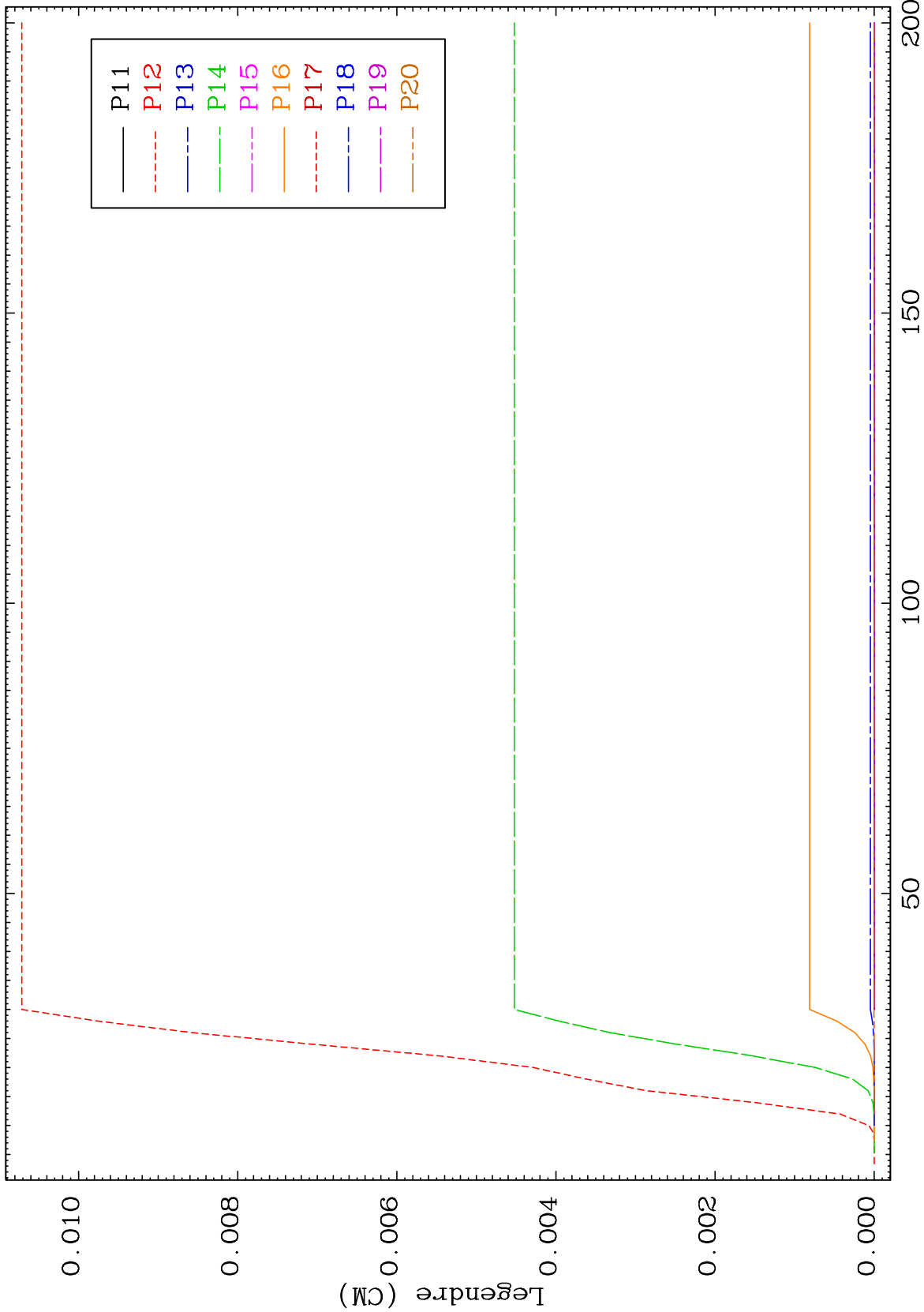
Incident Energy (MeV)

60

MAT 3437

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

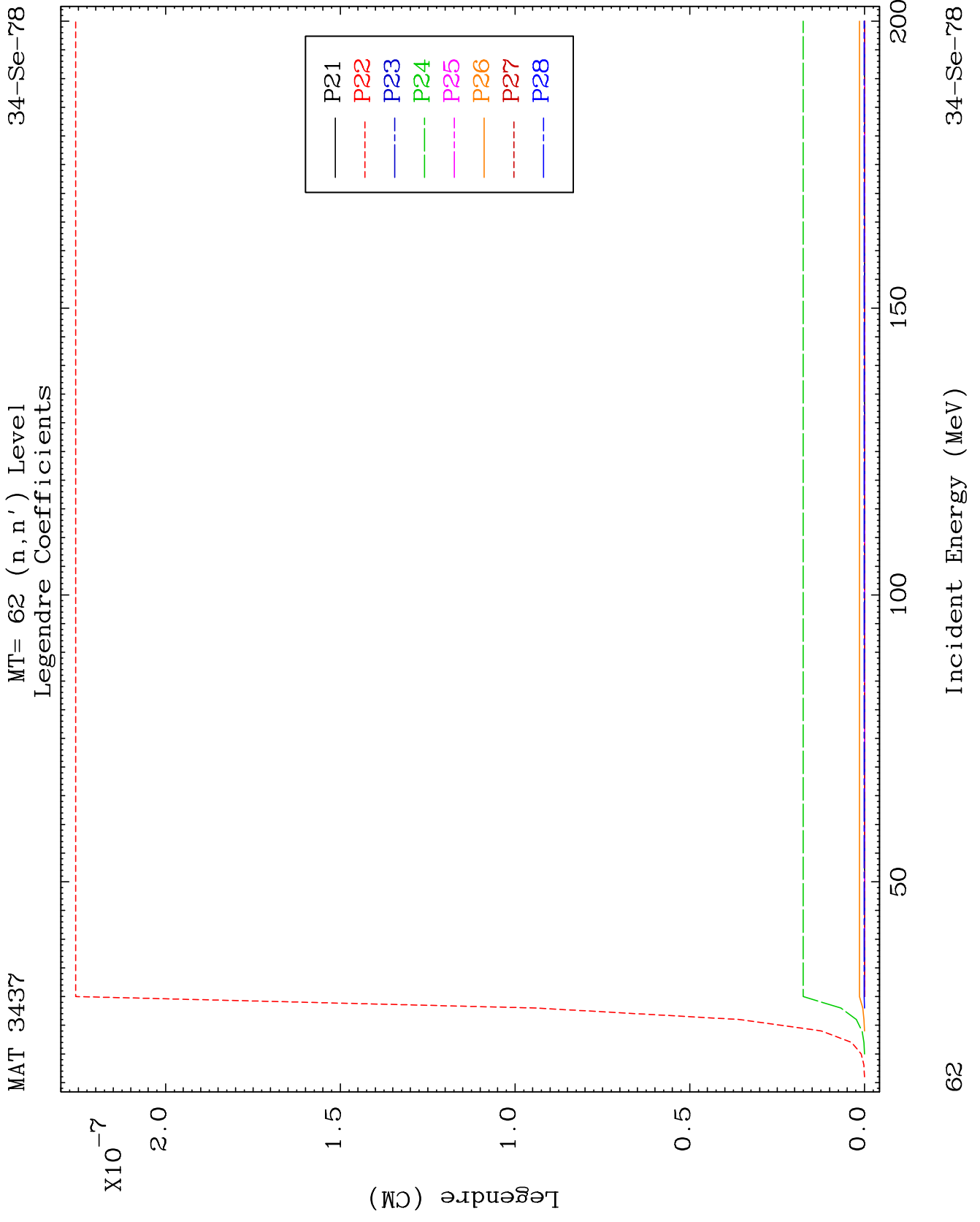
³⁴Se-78



61

Incident Energy (MeV)

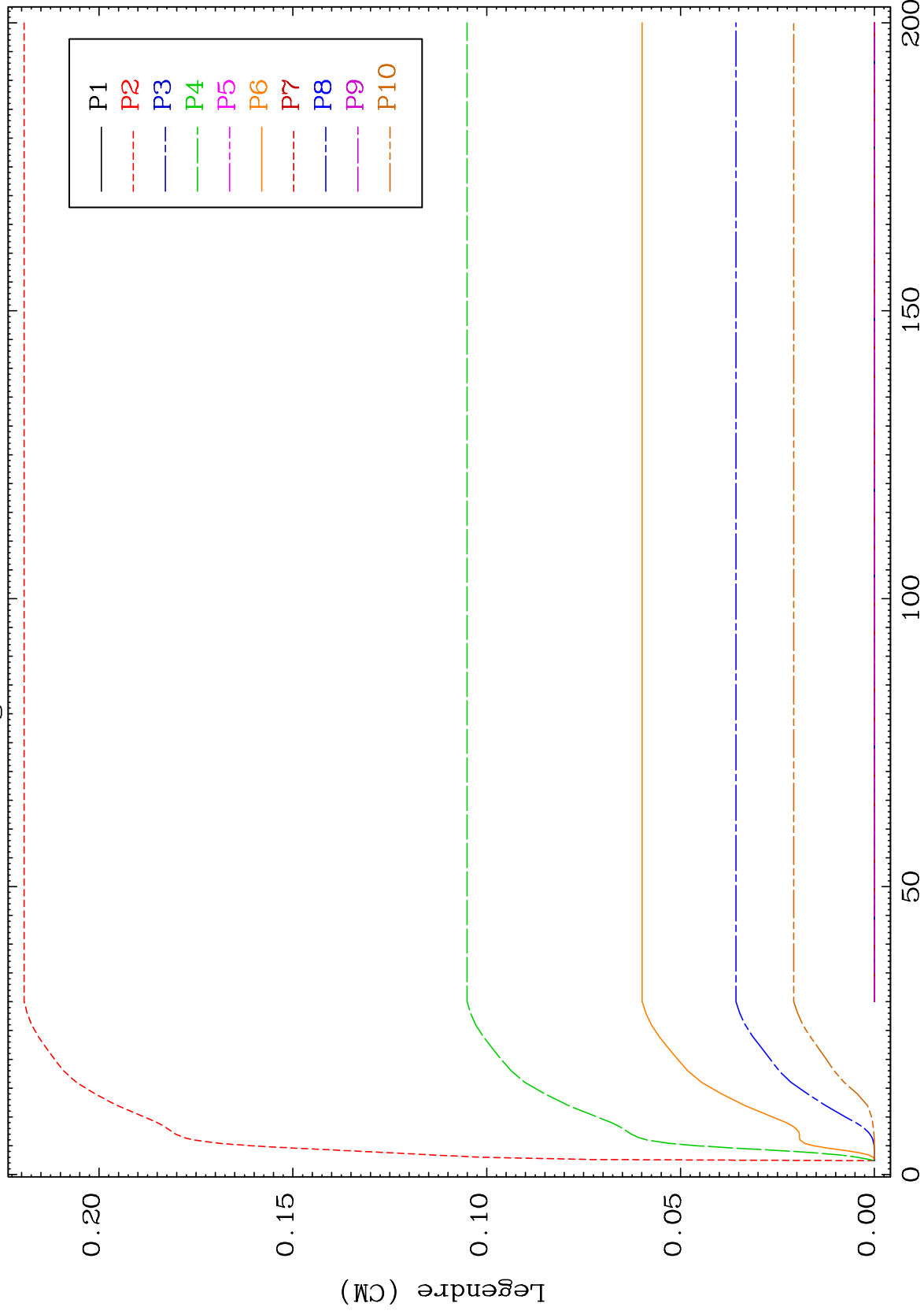
³⁴Se-78



MAT 3437

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

³⁴Se-78



63

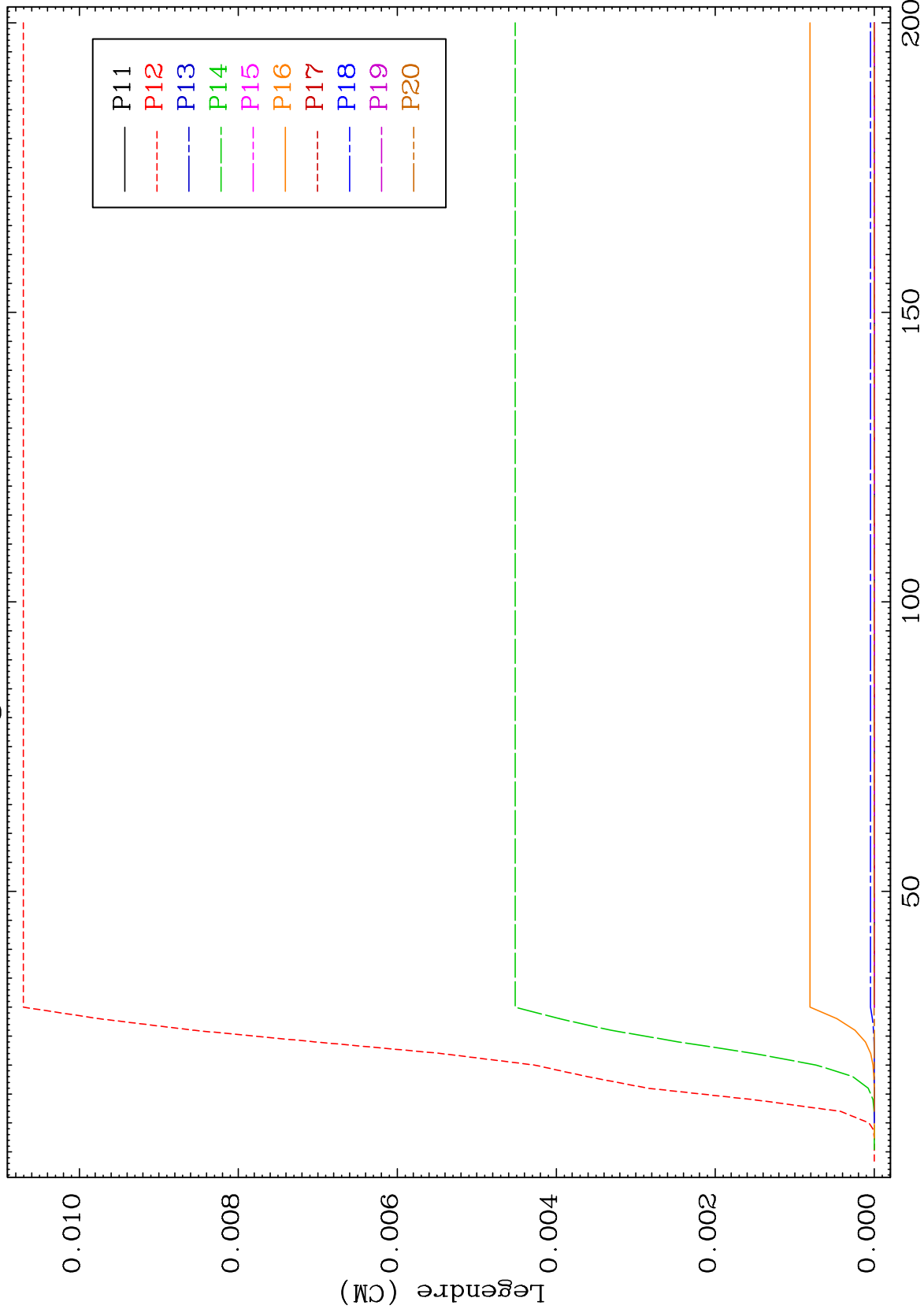
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

³⁴Se-78



64

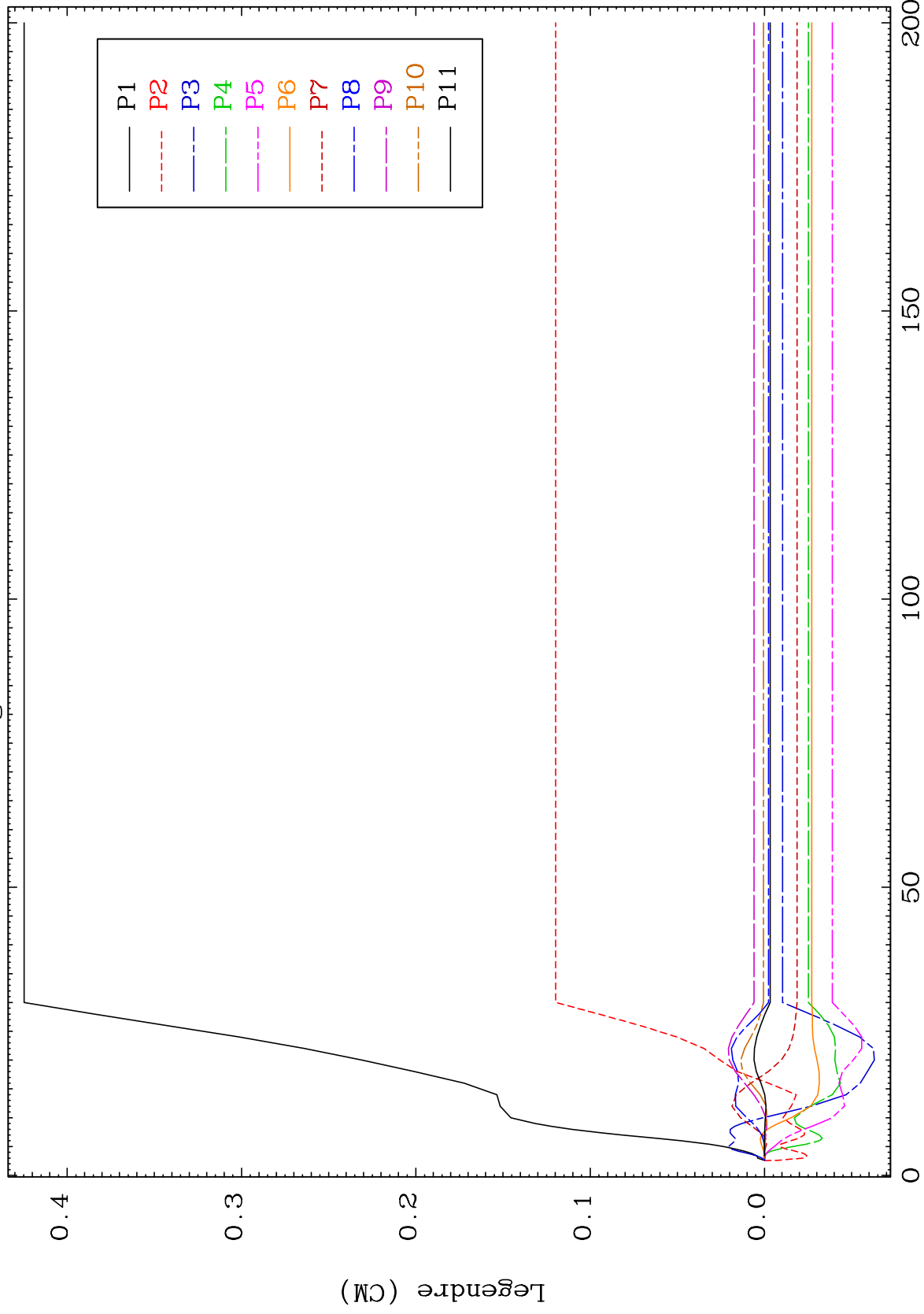
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

³⁴Se-78



66

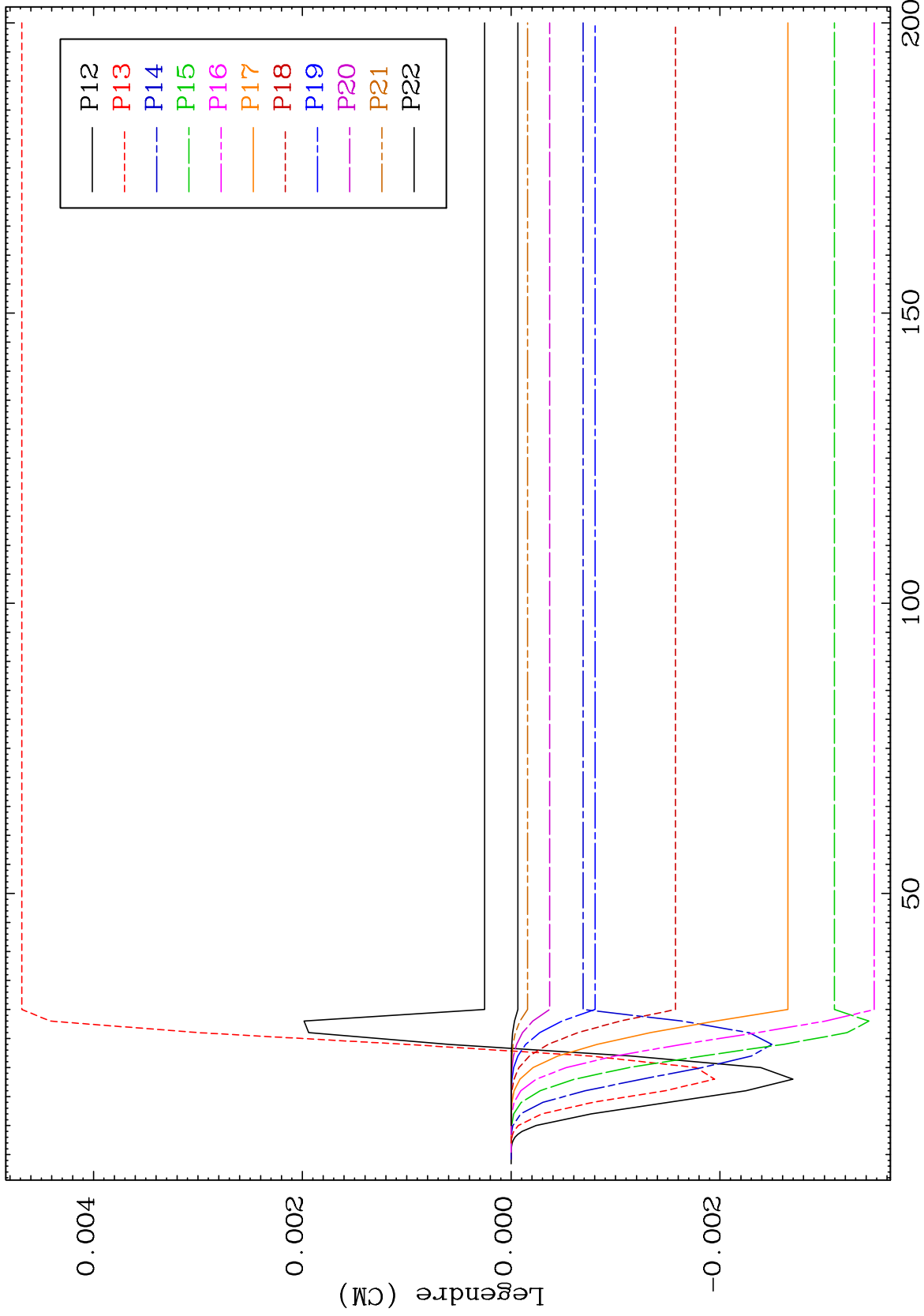
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78



67

Incident Energy (MeV)

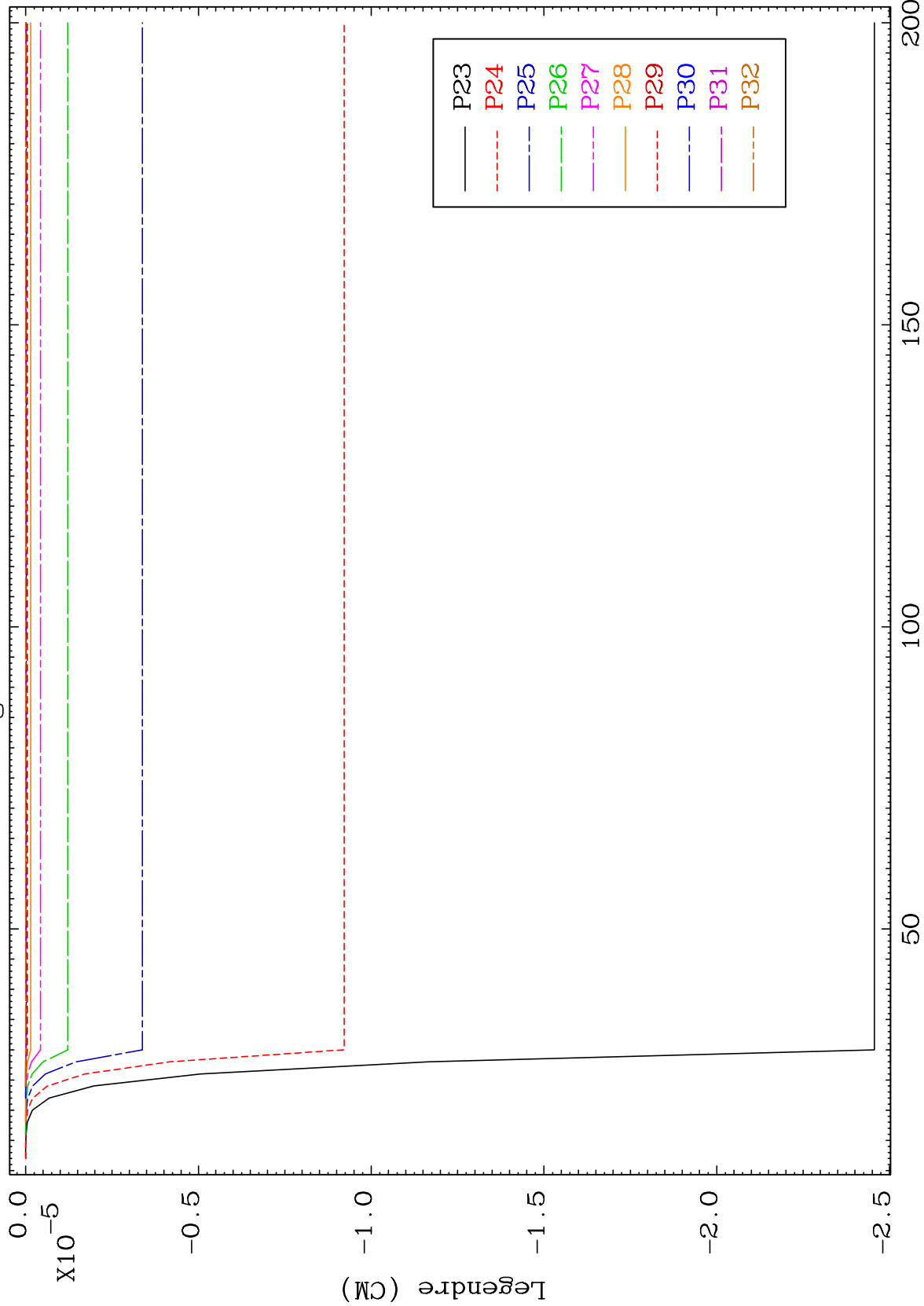
34-Se-78

MAT 3437

MT= 64 (n,n') Level

³⁴Se-78

Legendre Coefficients



68

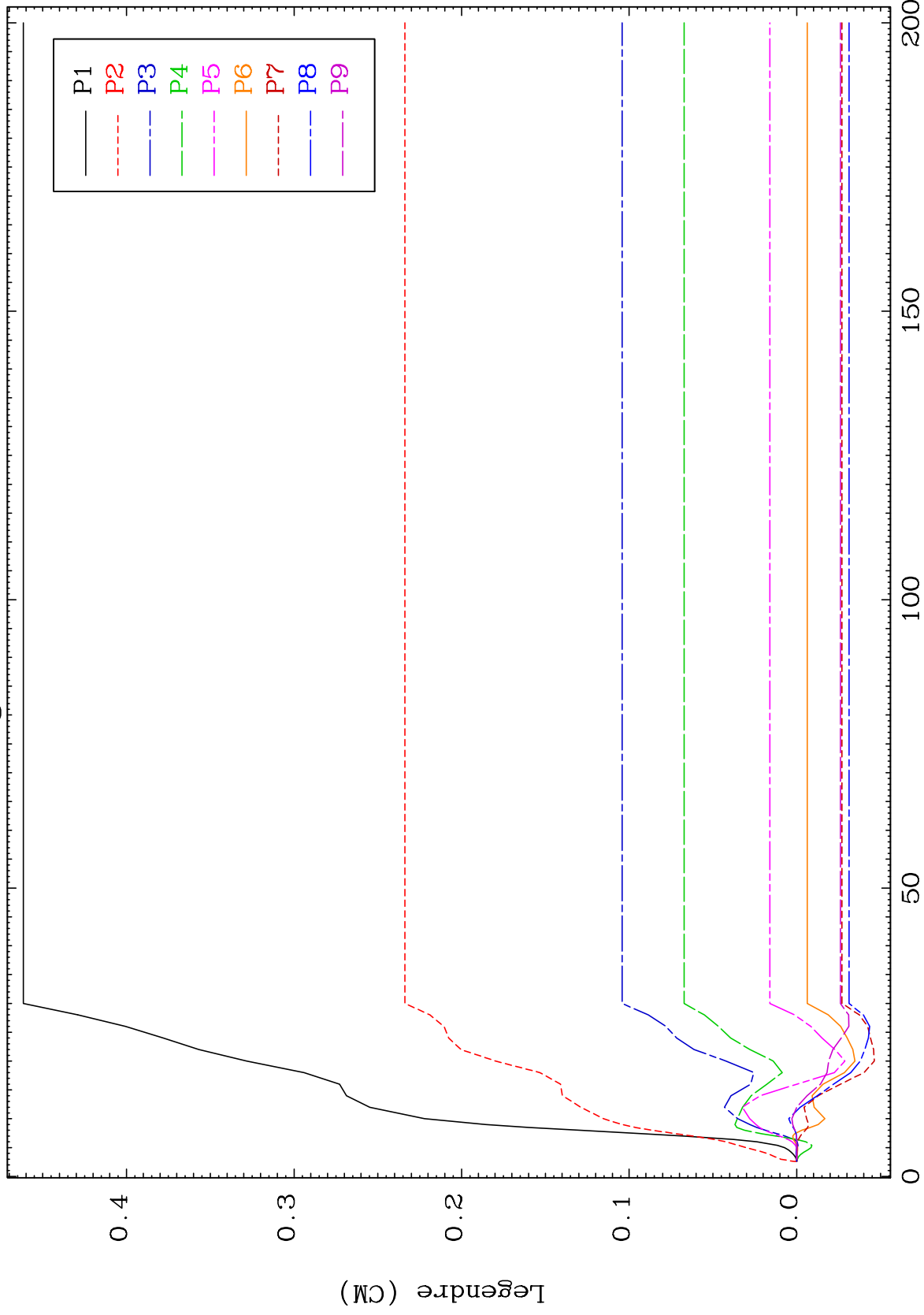
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

³⁴Se-78



69

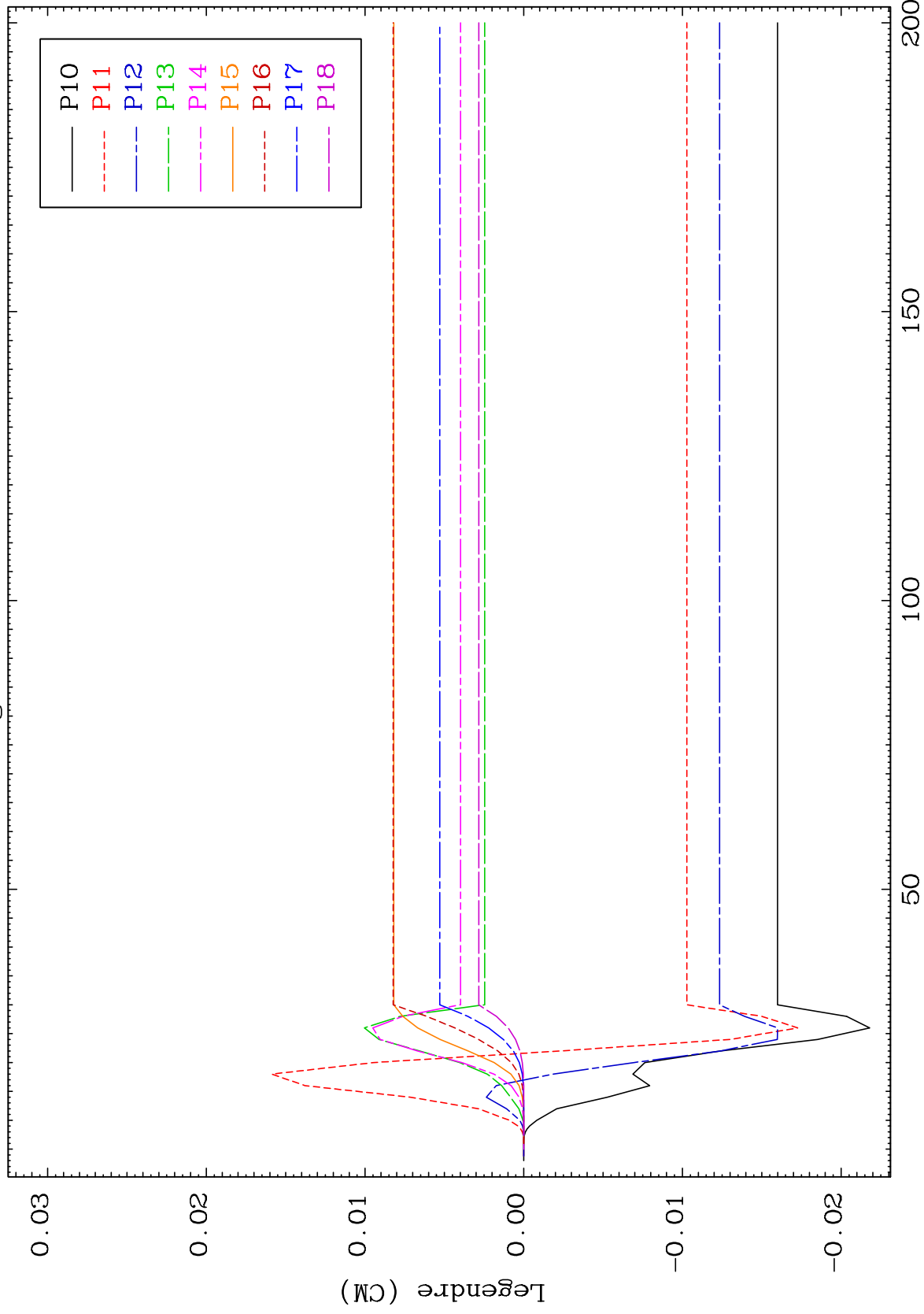
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78



70

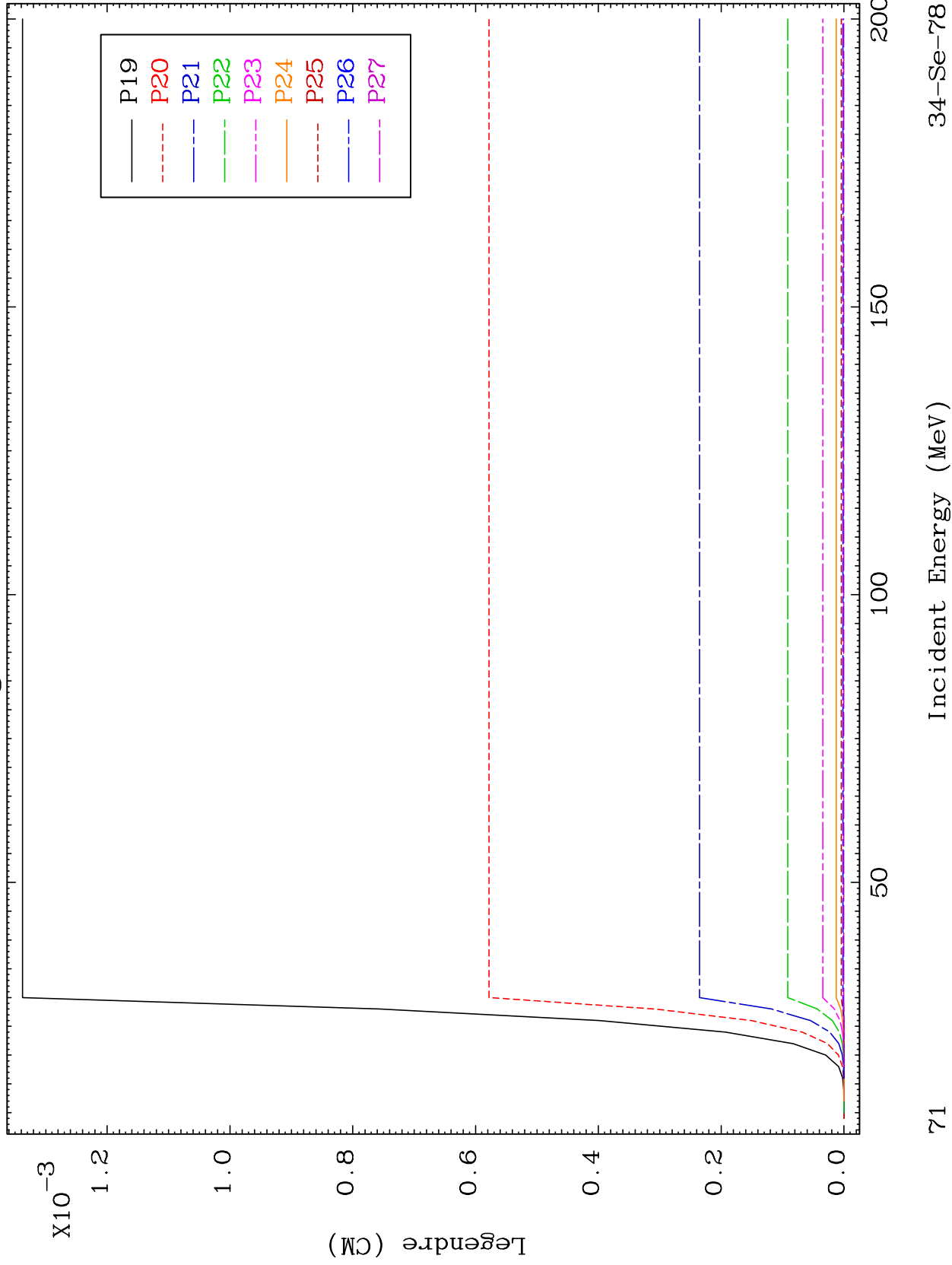
Incident Energy (MeV)

34-Se-78

MAT 3437

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

34-Se-78



71

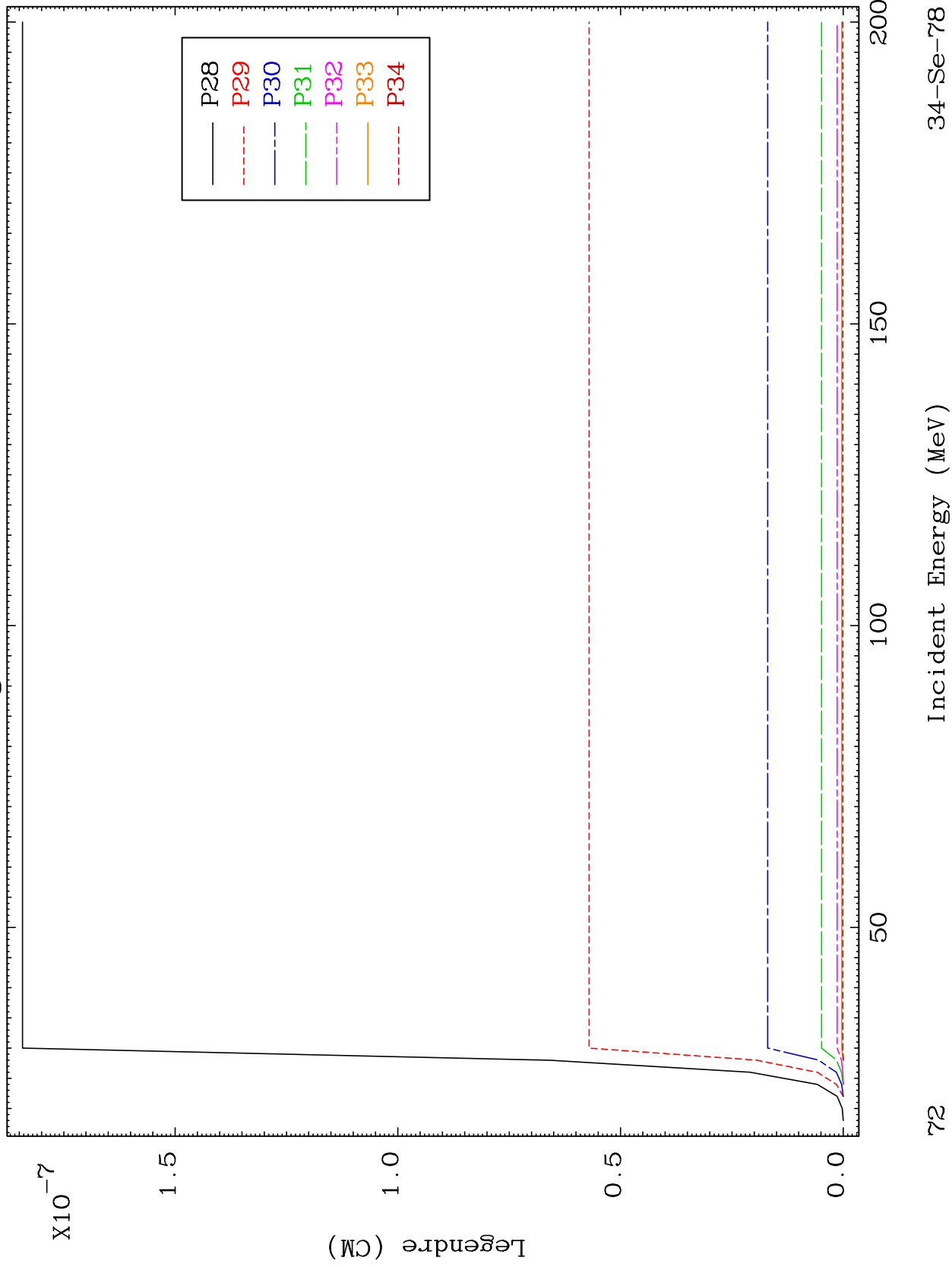
Incident Energy (MeV)

34-Se-78

MAT 3437

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

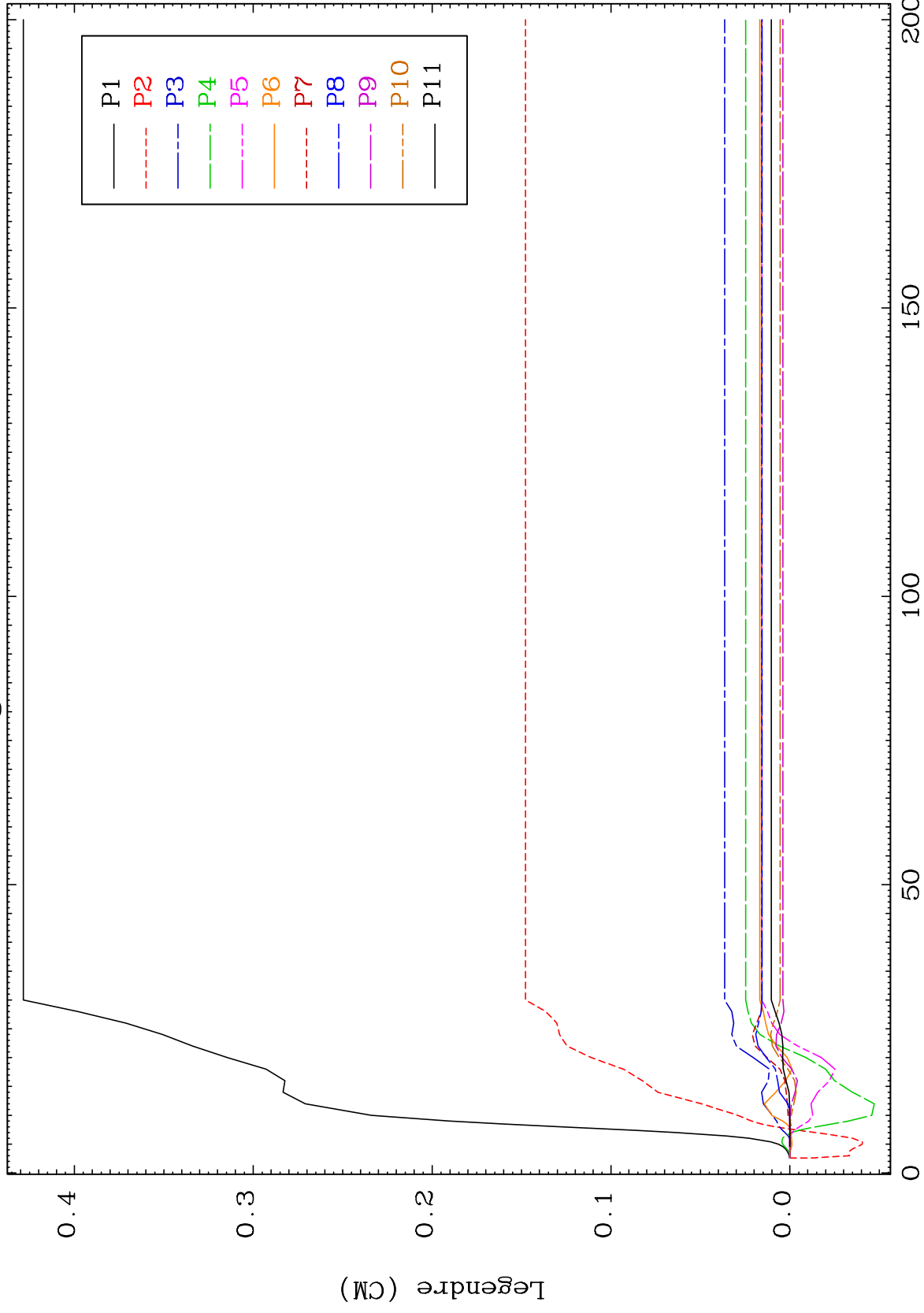
34-Se-78



MAT 3437

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

³⁴Se-78



73

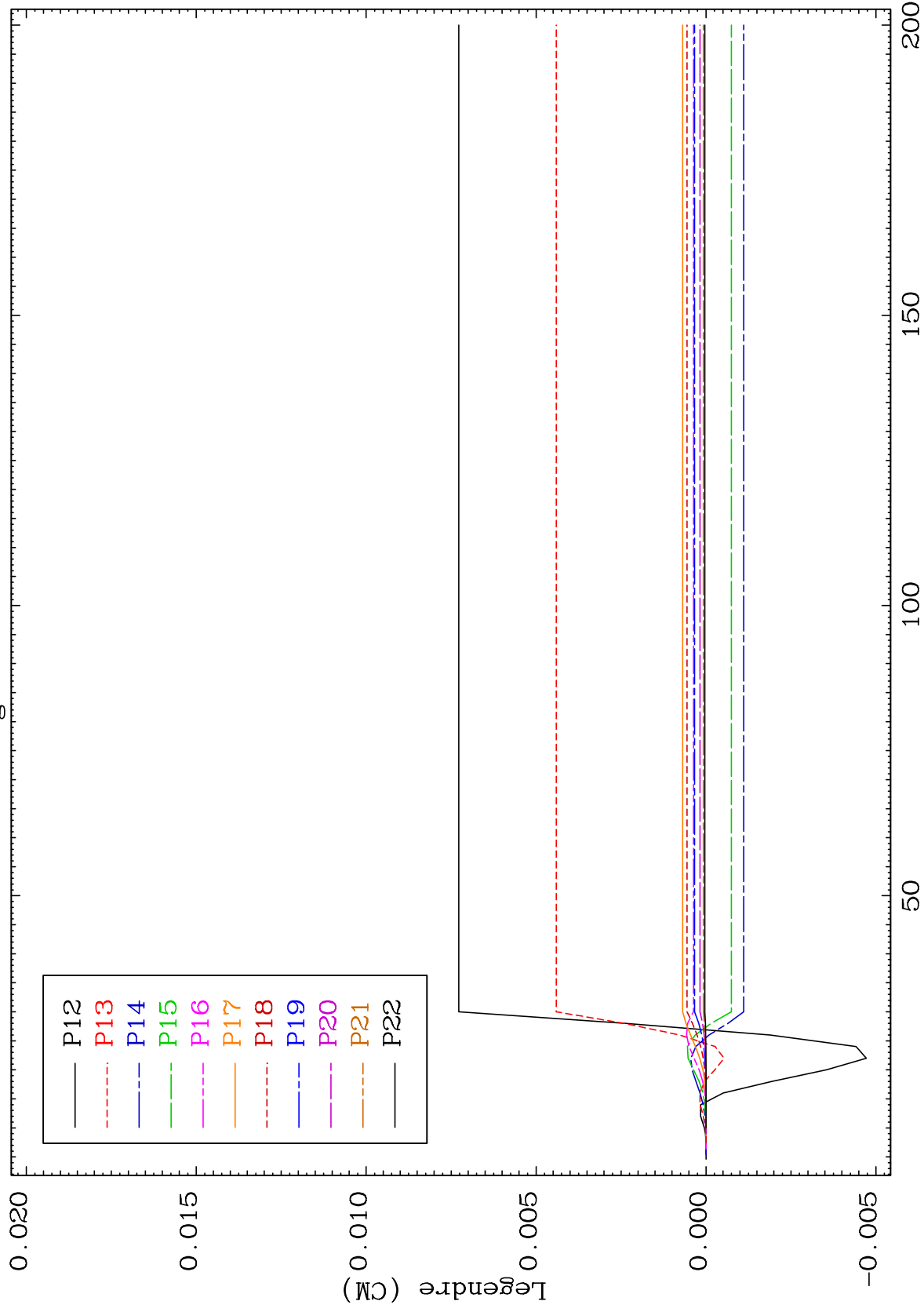
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

³⁴Se-78



74

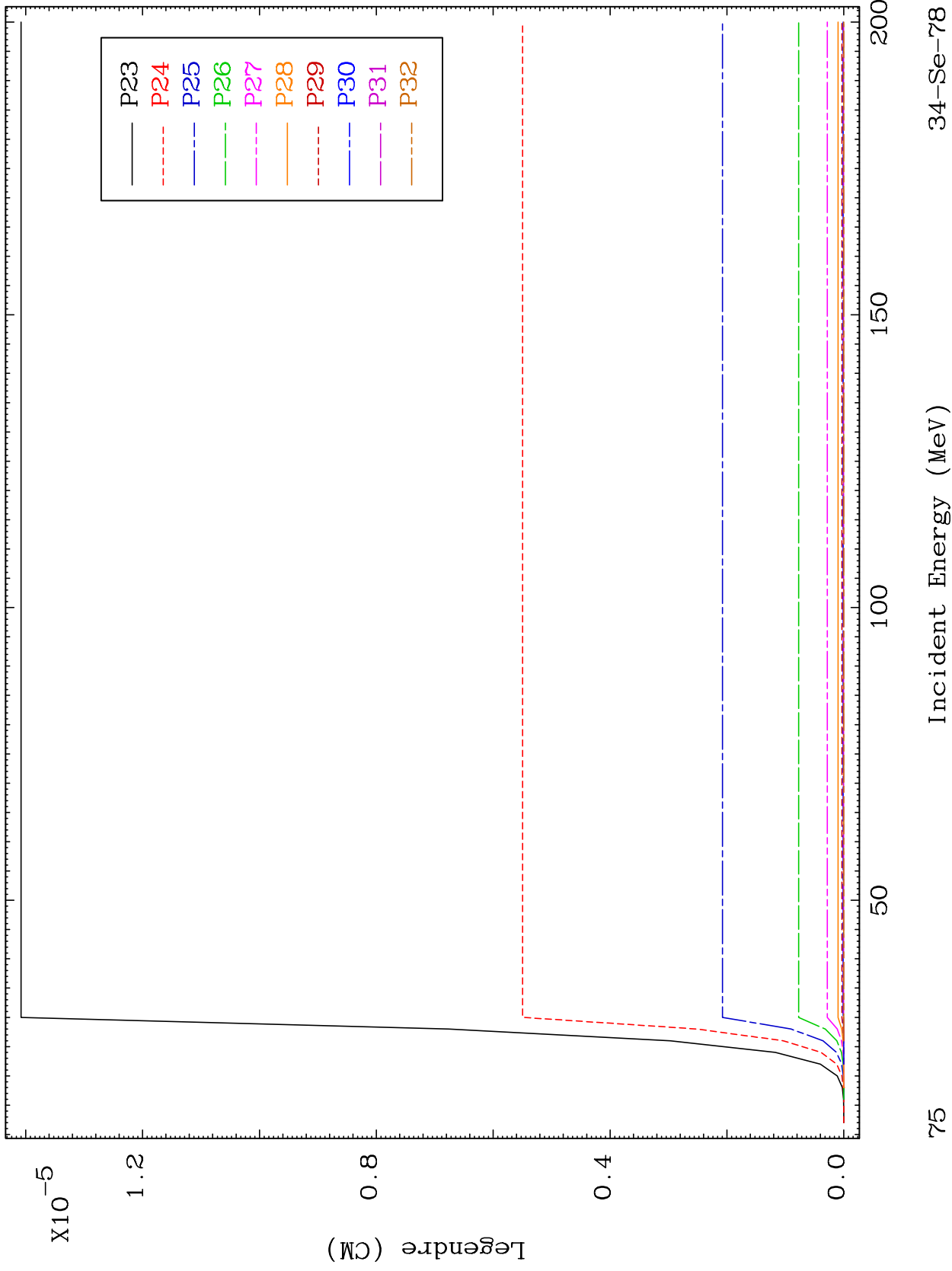
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

³⁴Se-78



75

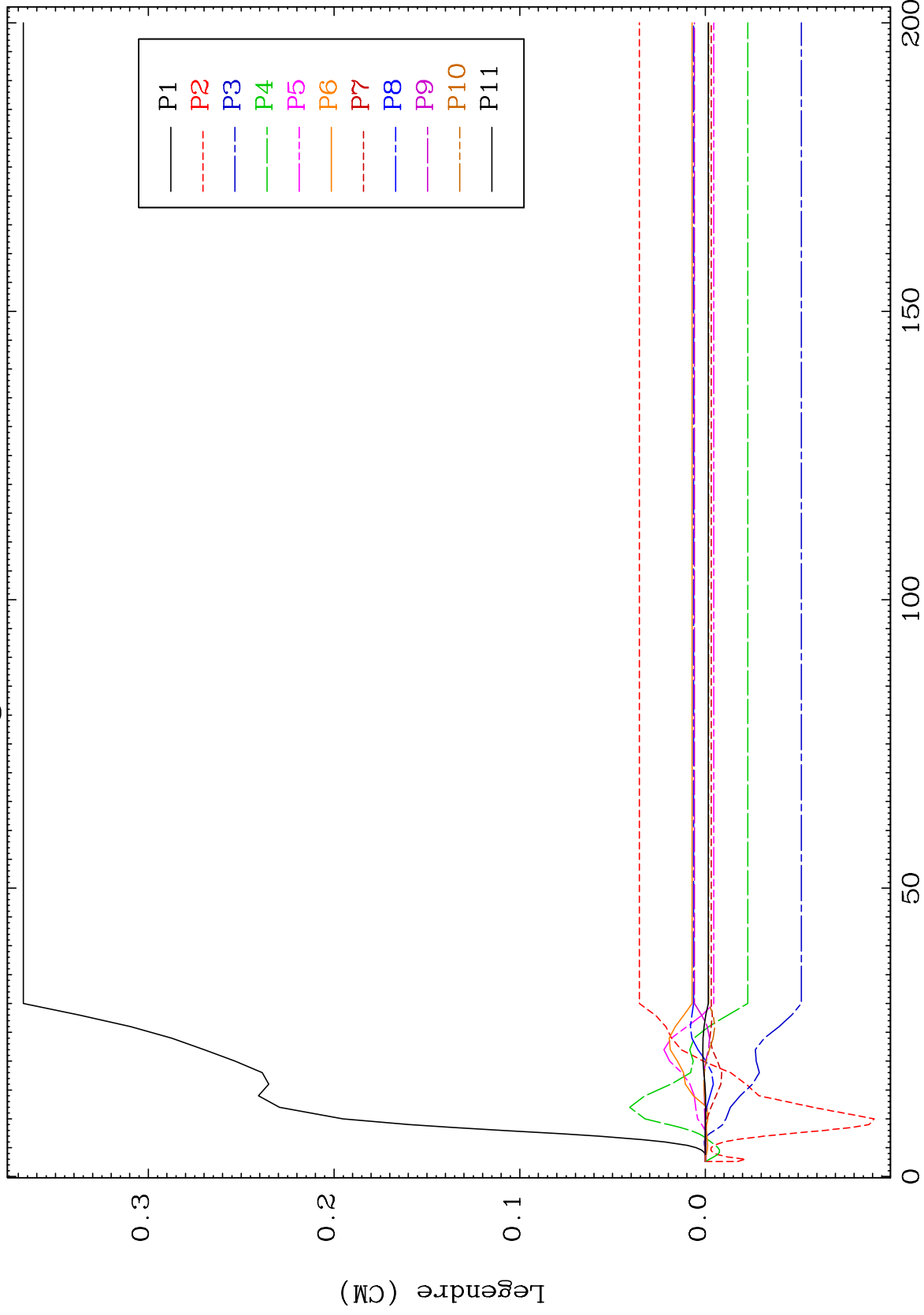
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

³⁴Se-78



76

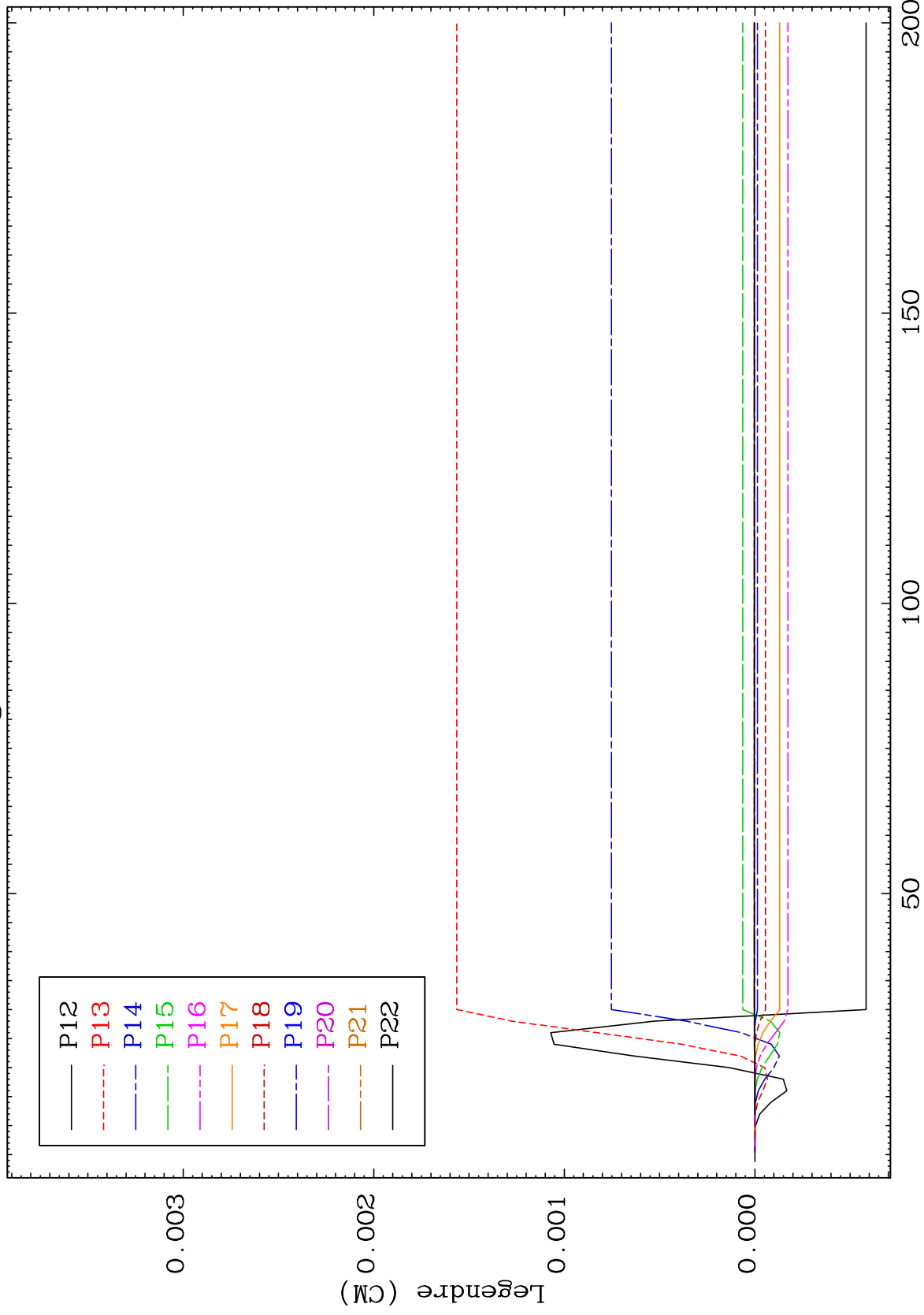
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78



77

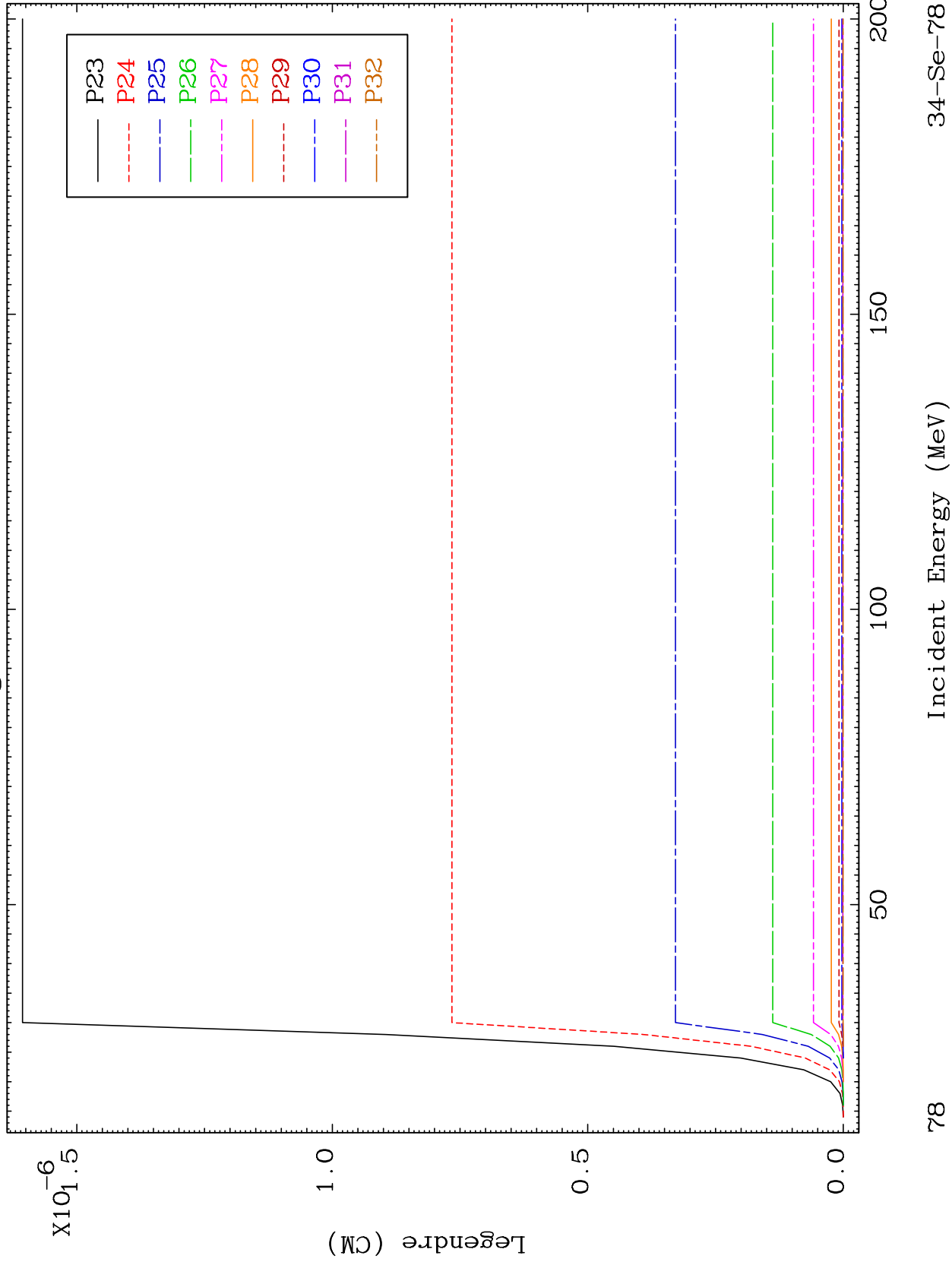
Incident Energy (MeV)

34-Se-78

MAT 3437

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

34-Se-78



78

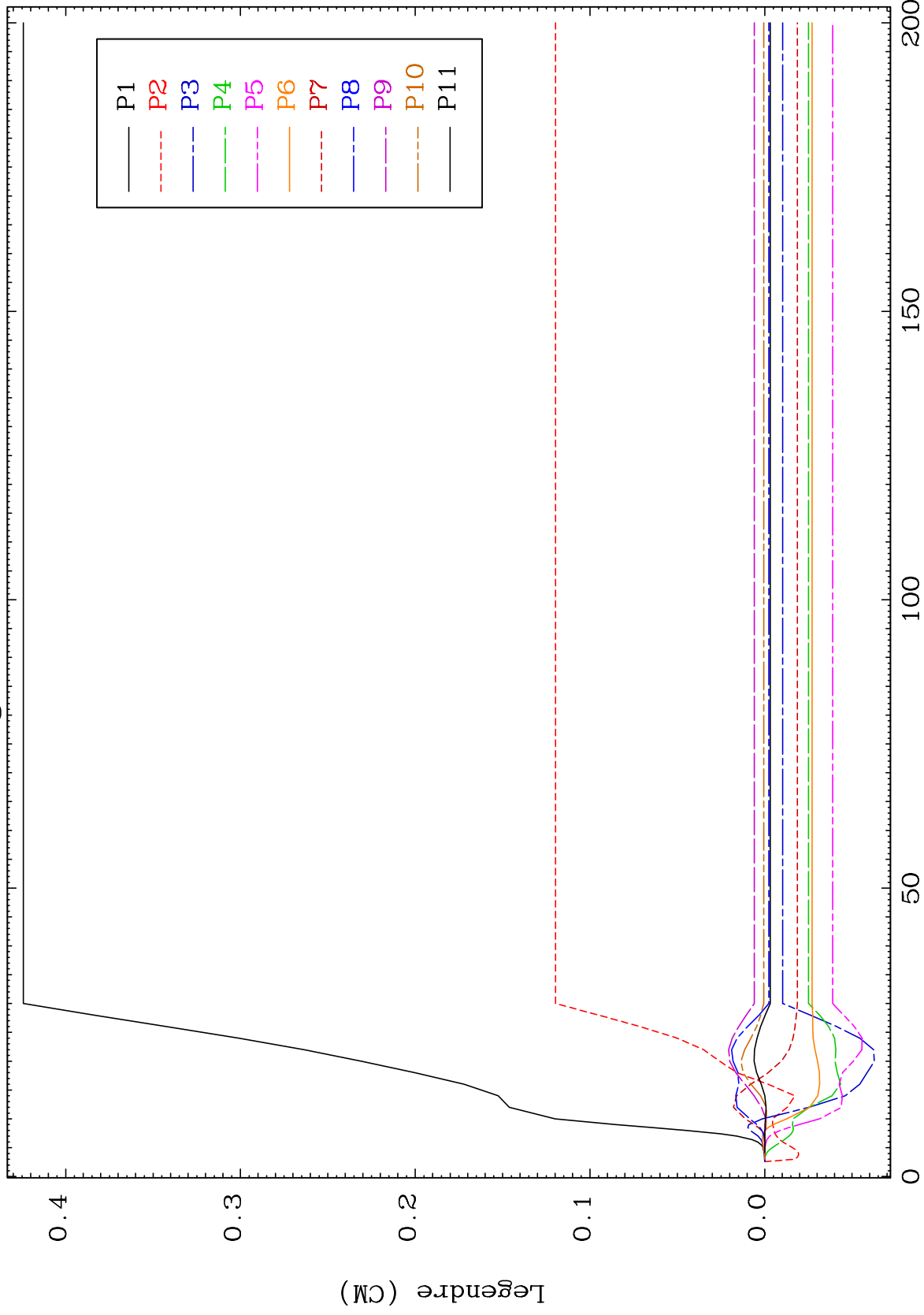
Incident Energy (MeV)

34-Se-78

MAT 3437

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

³⁴Se-78



79

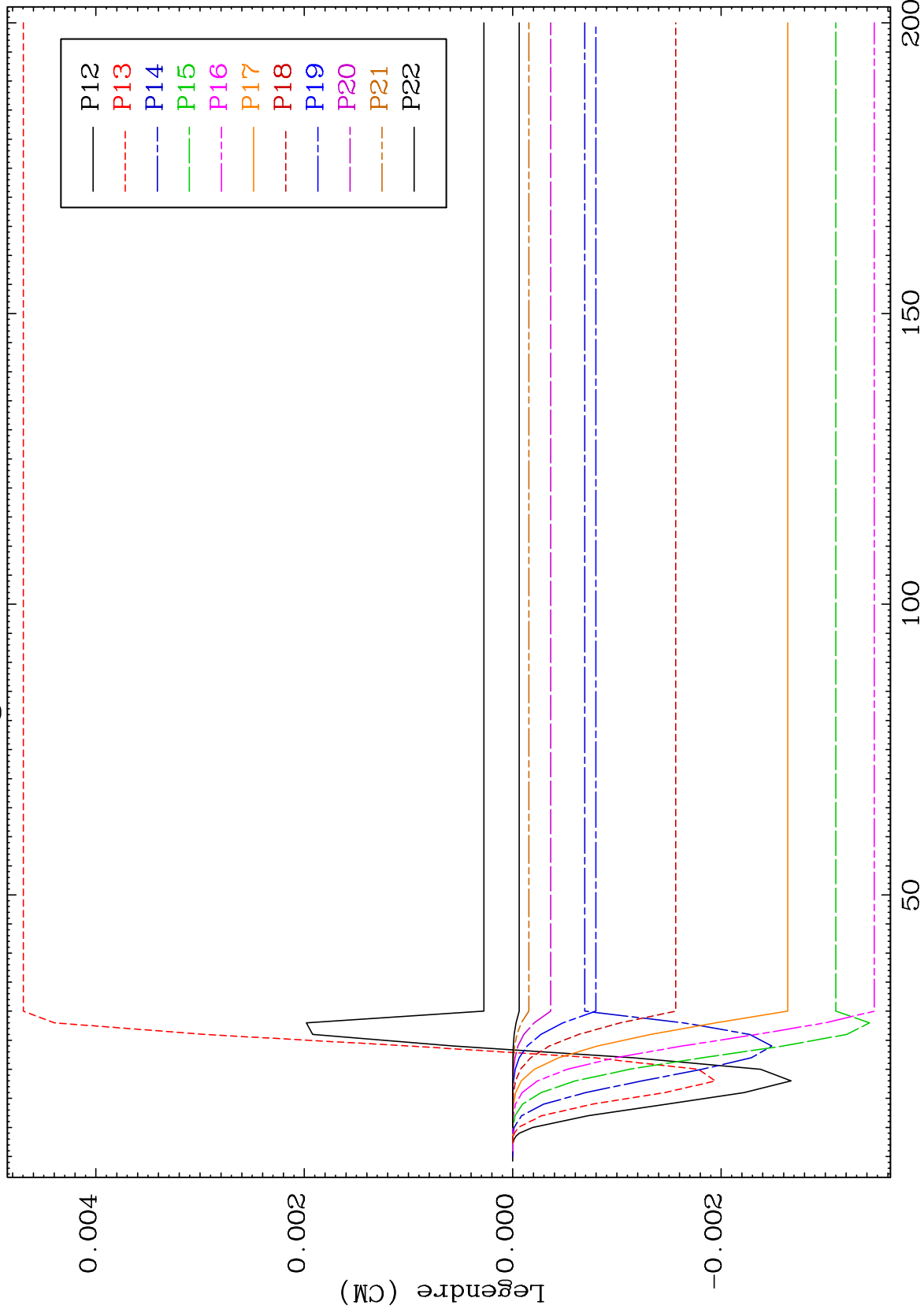
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78



80

Incident Energy (MeV)

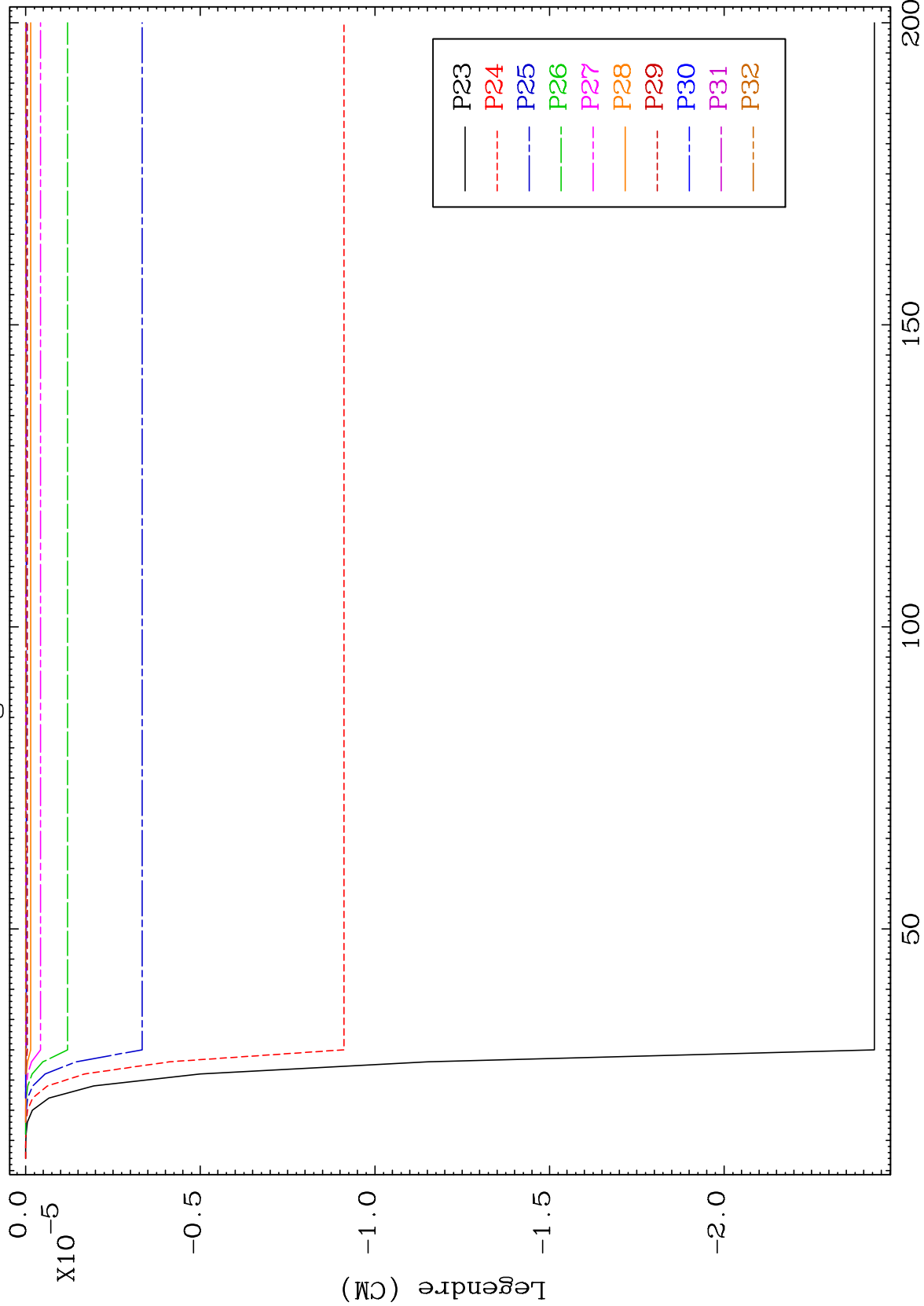
34-Se-78

MAT 3437

MT= 68 (n,n') Level

³⁴Se-78

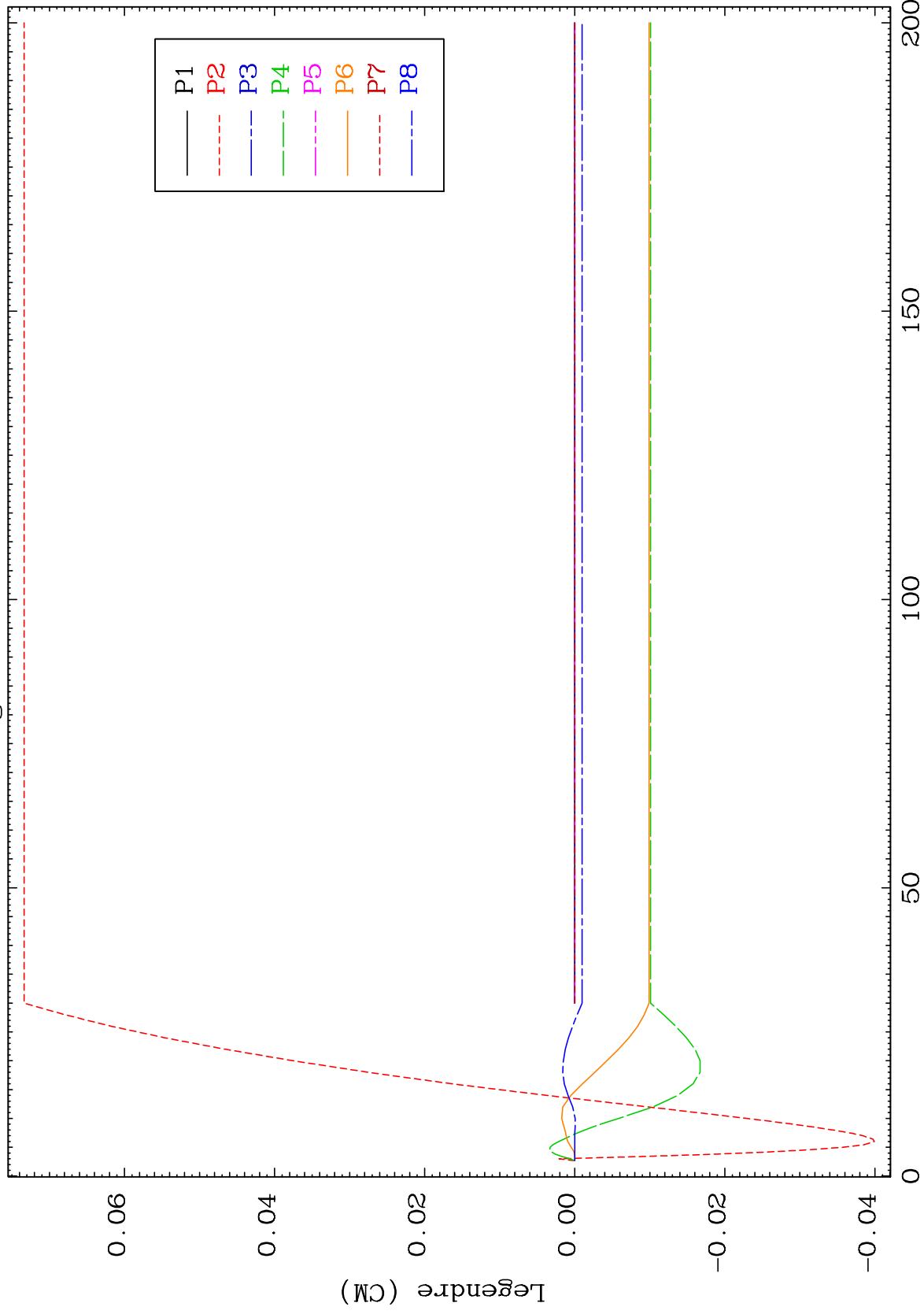
Legendre Coefficients



MAT 3437

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

³⁴Se-78



³⁴Se-78

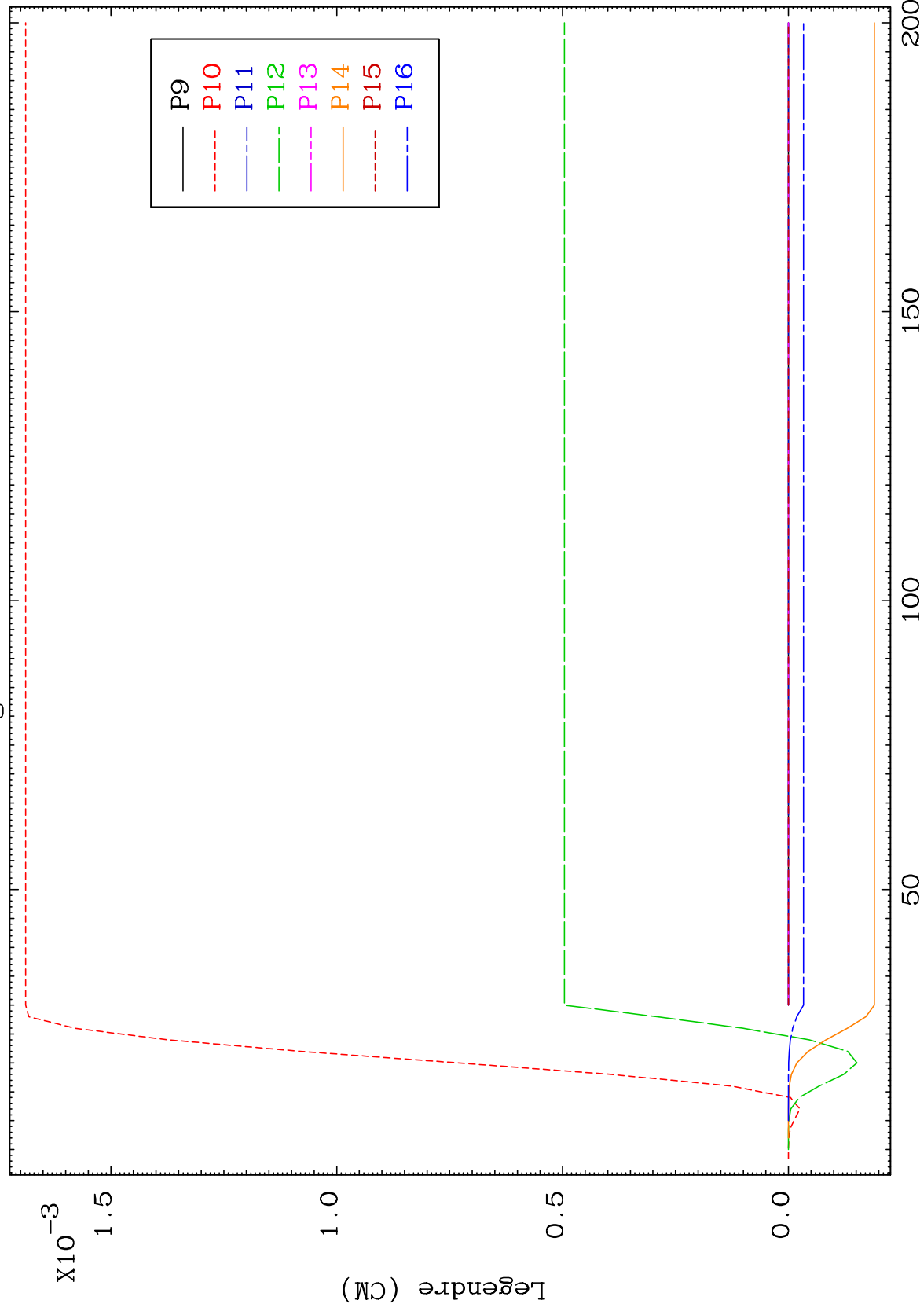
Incident Energy (MeV)

82

MAT 3437

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

34-Se-78



83

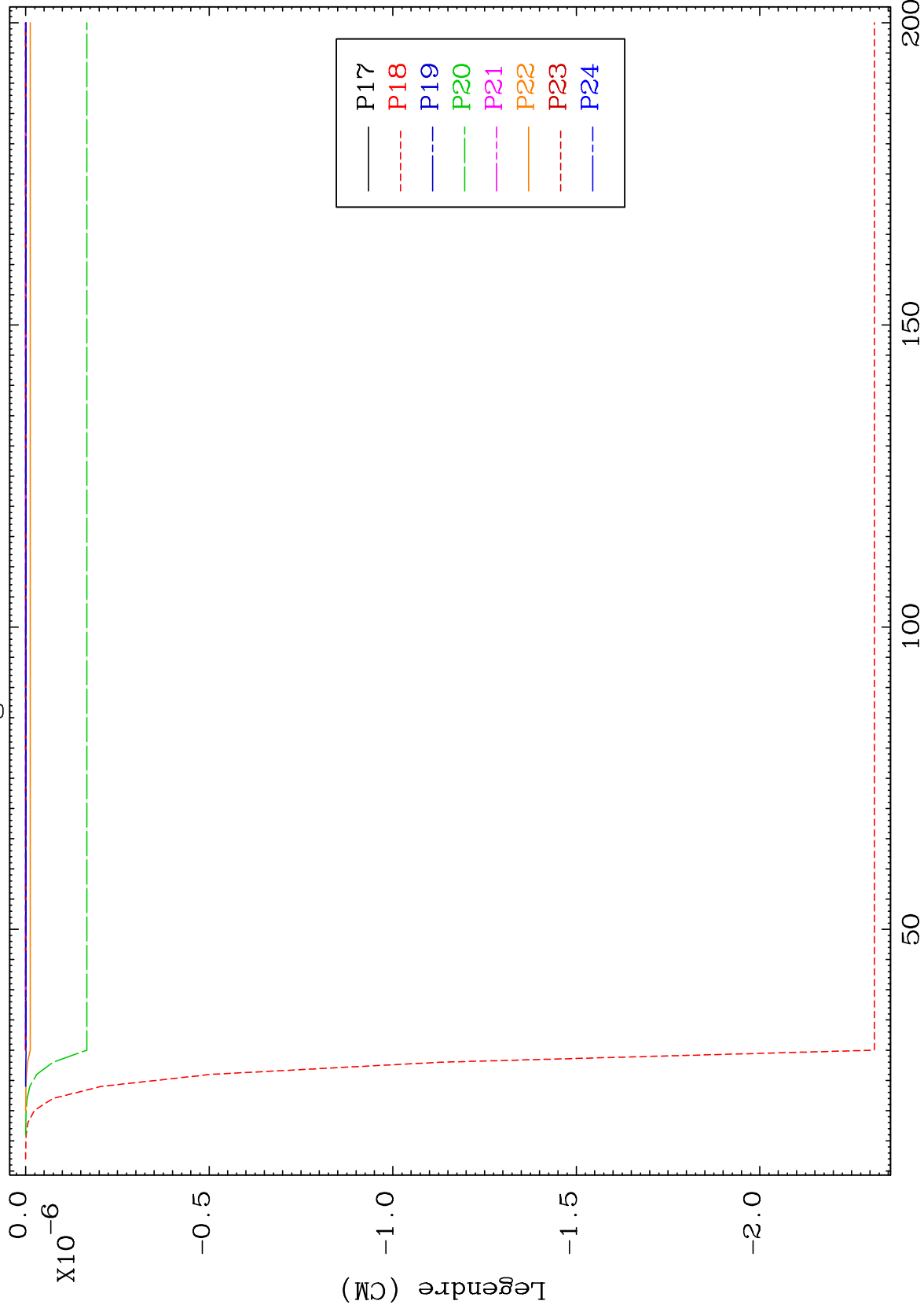
Incident Energy (MeV)

34-Se-78

MAT 3437

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

34-Se-78



84

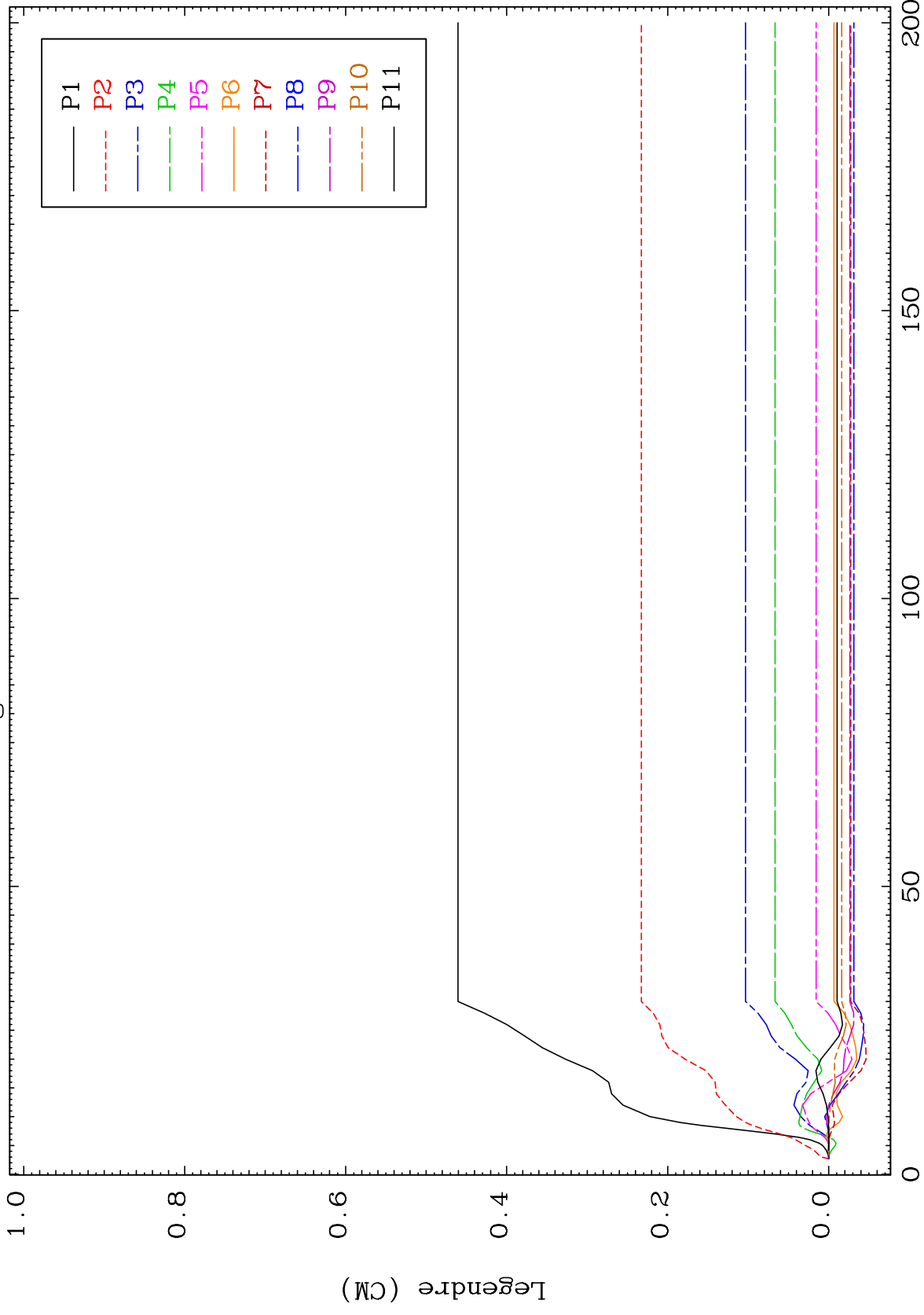
Incident Energy (MeV)

34-Se-78

MAT 3437

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

³⁴Se-78



85

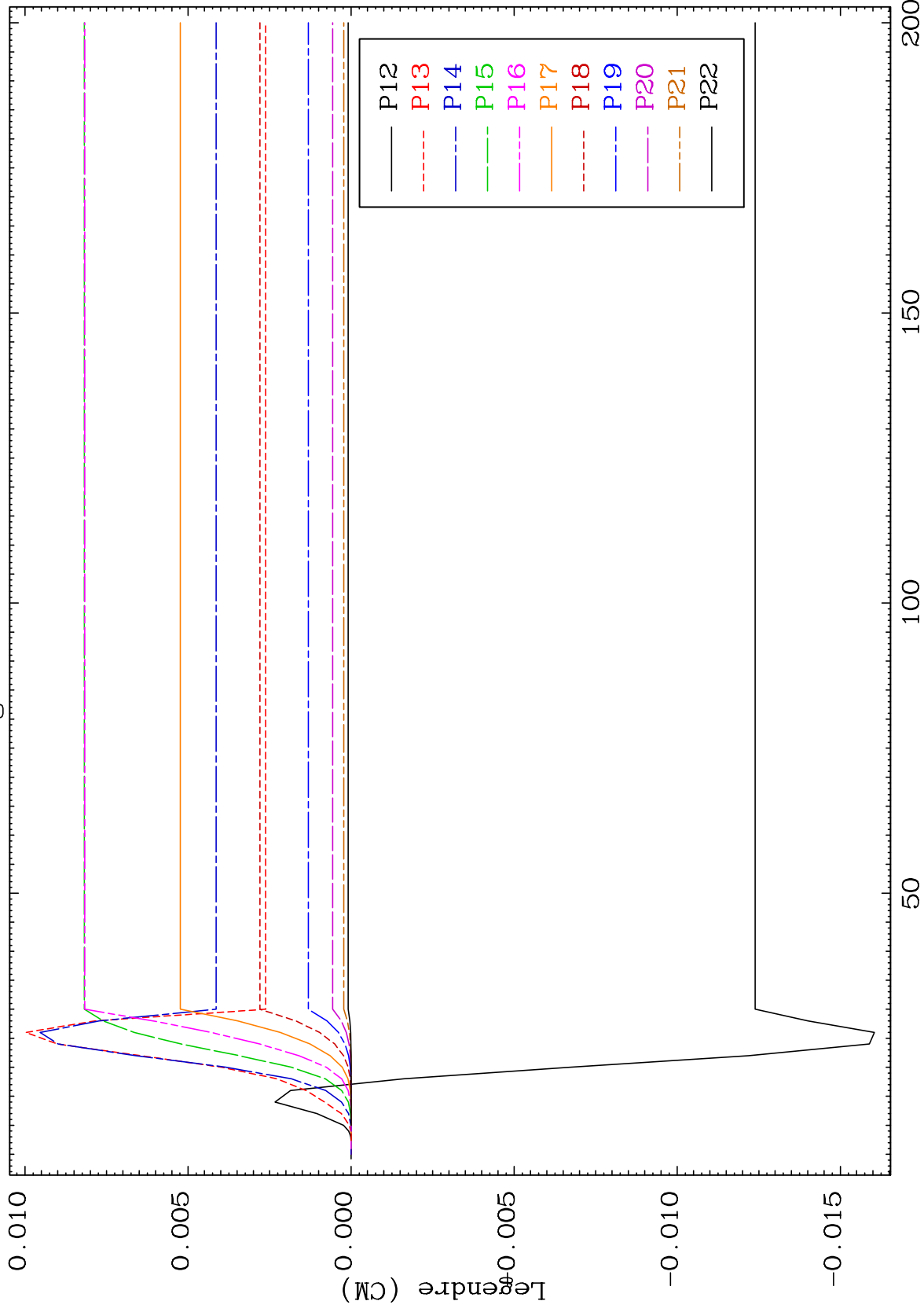
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78



86

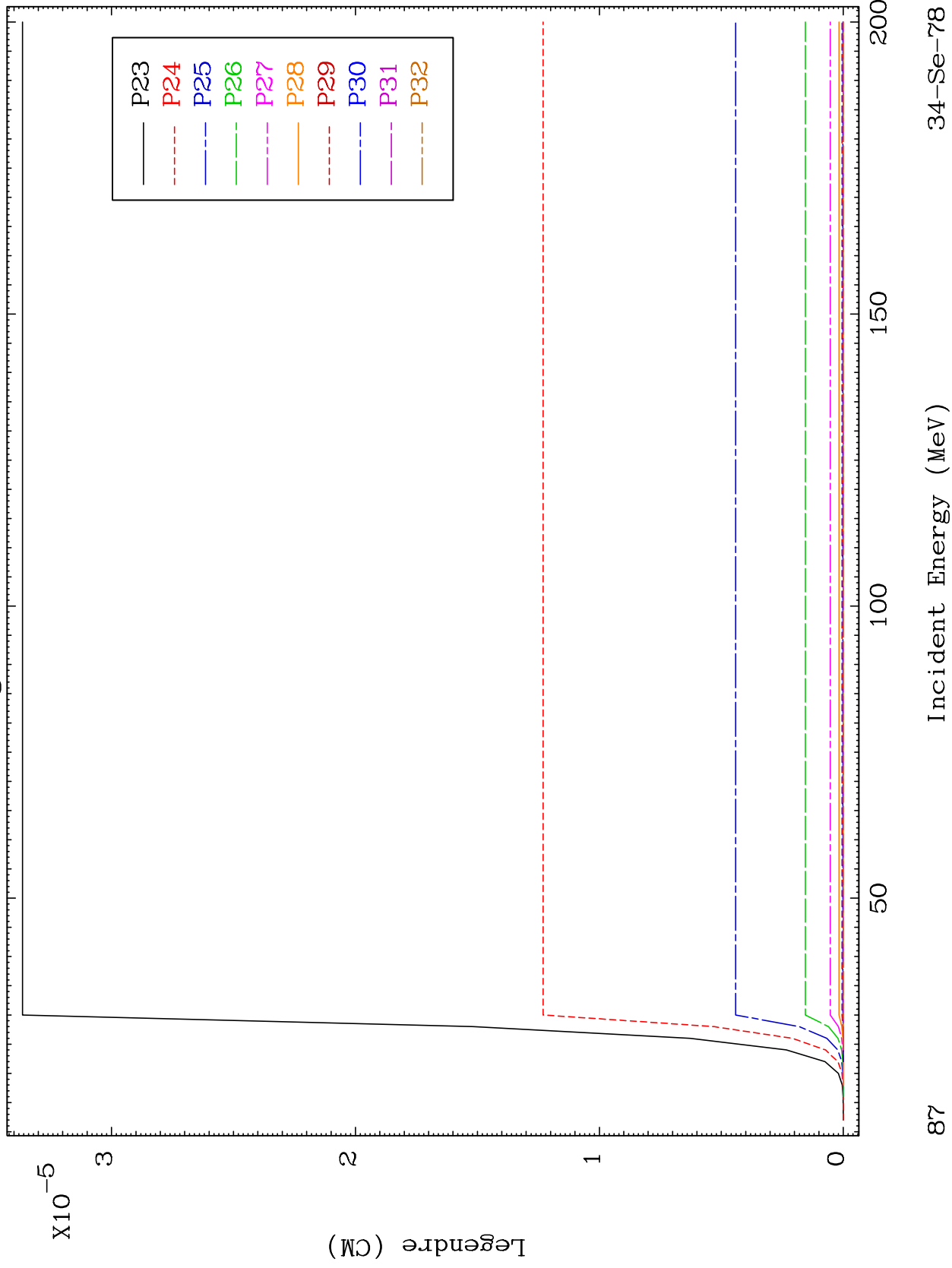
Incident Energy (MeV)

34-Se-78

MAT 3437

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

³⁴Se-78



87

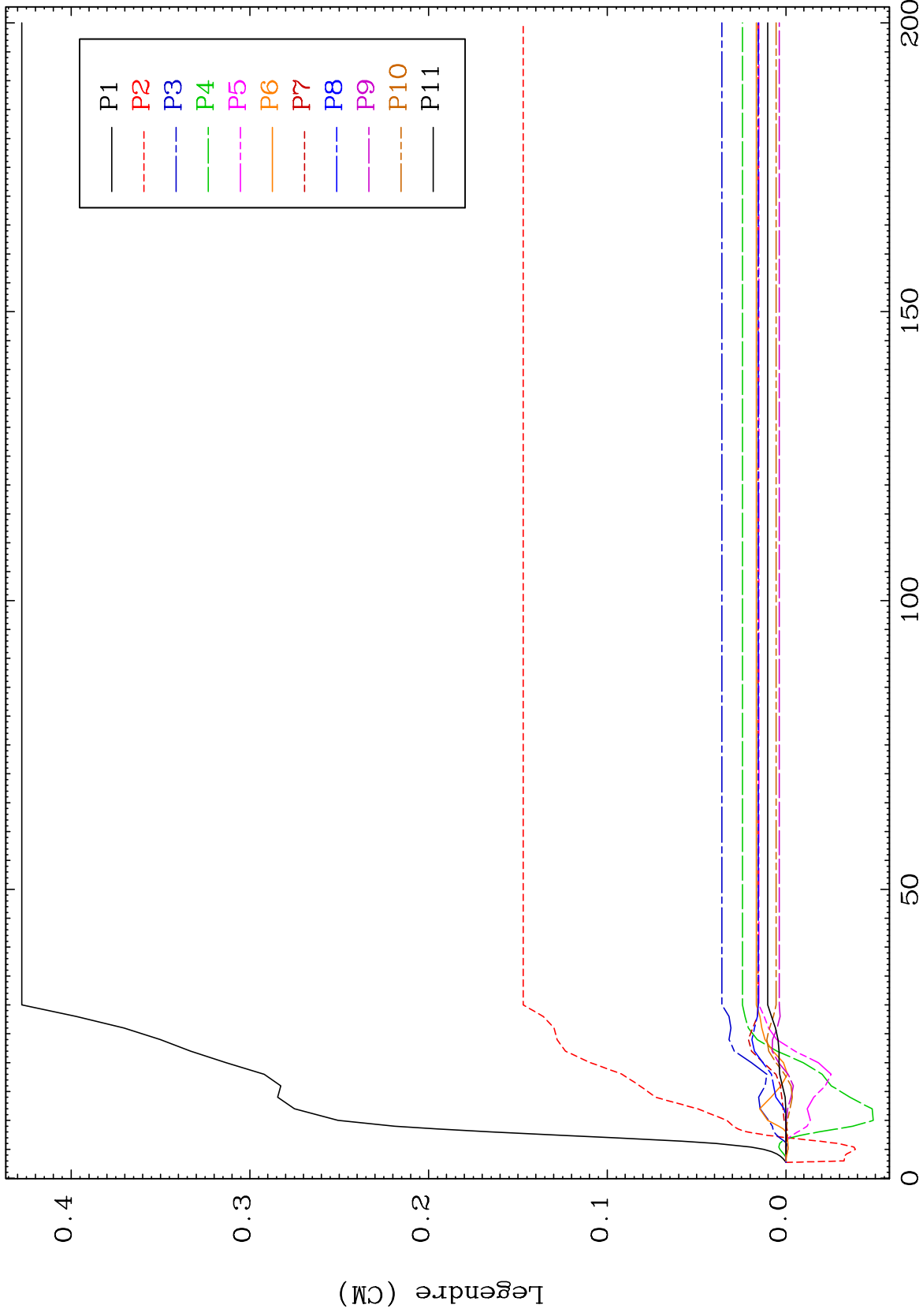
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

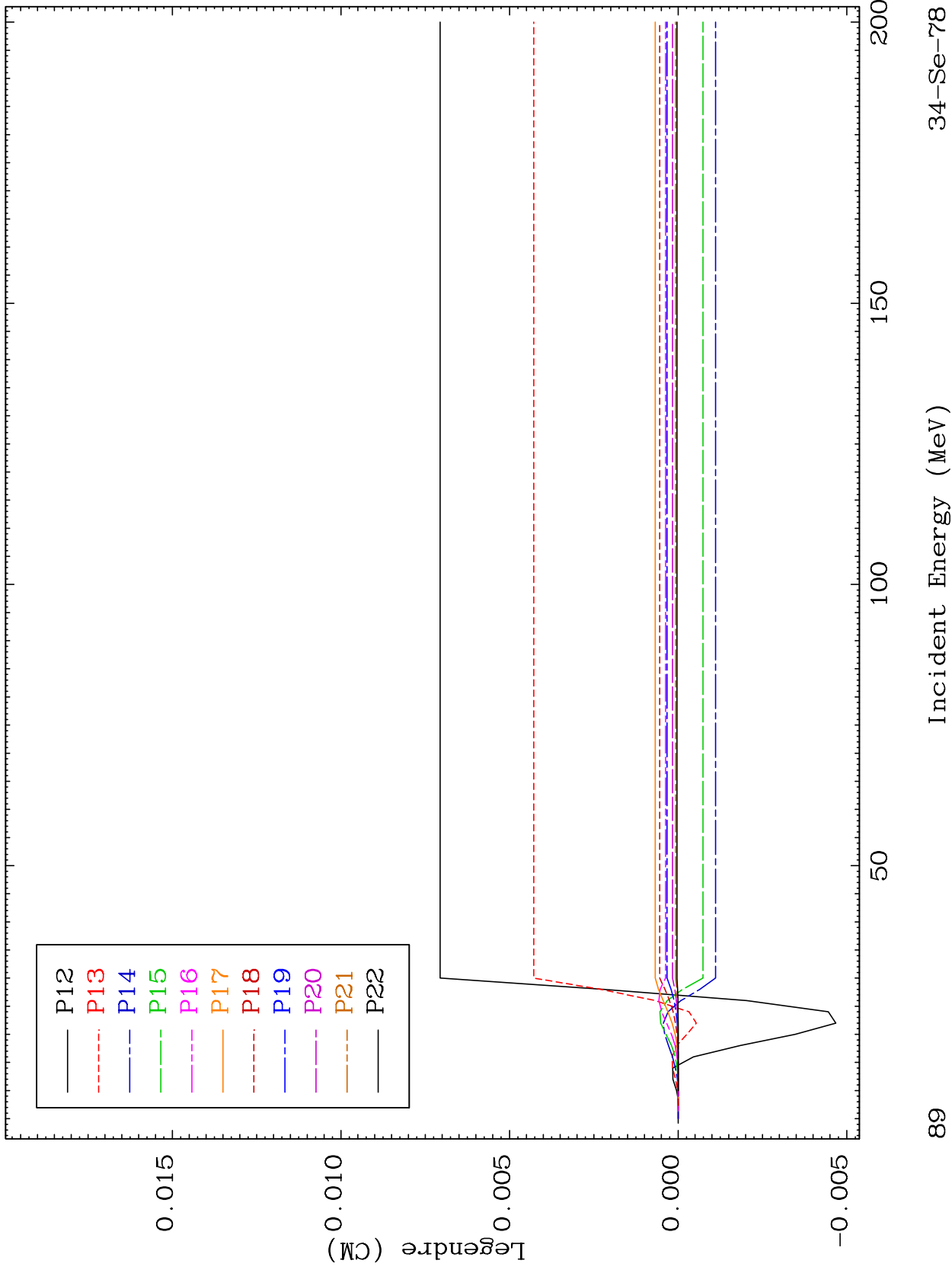
³⁴Se-78



88

Incident Energy (MeV)

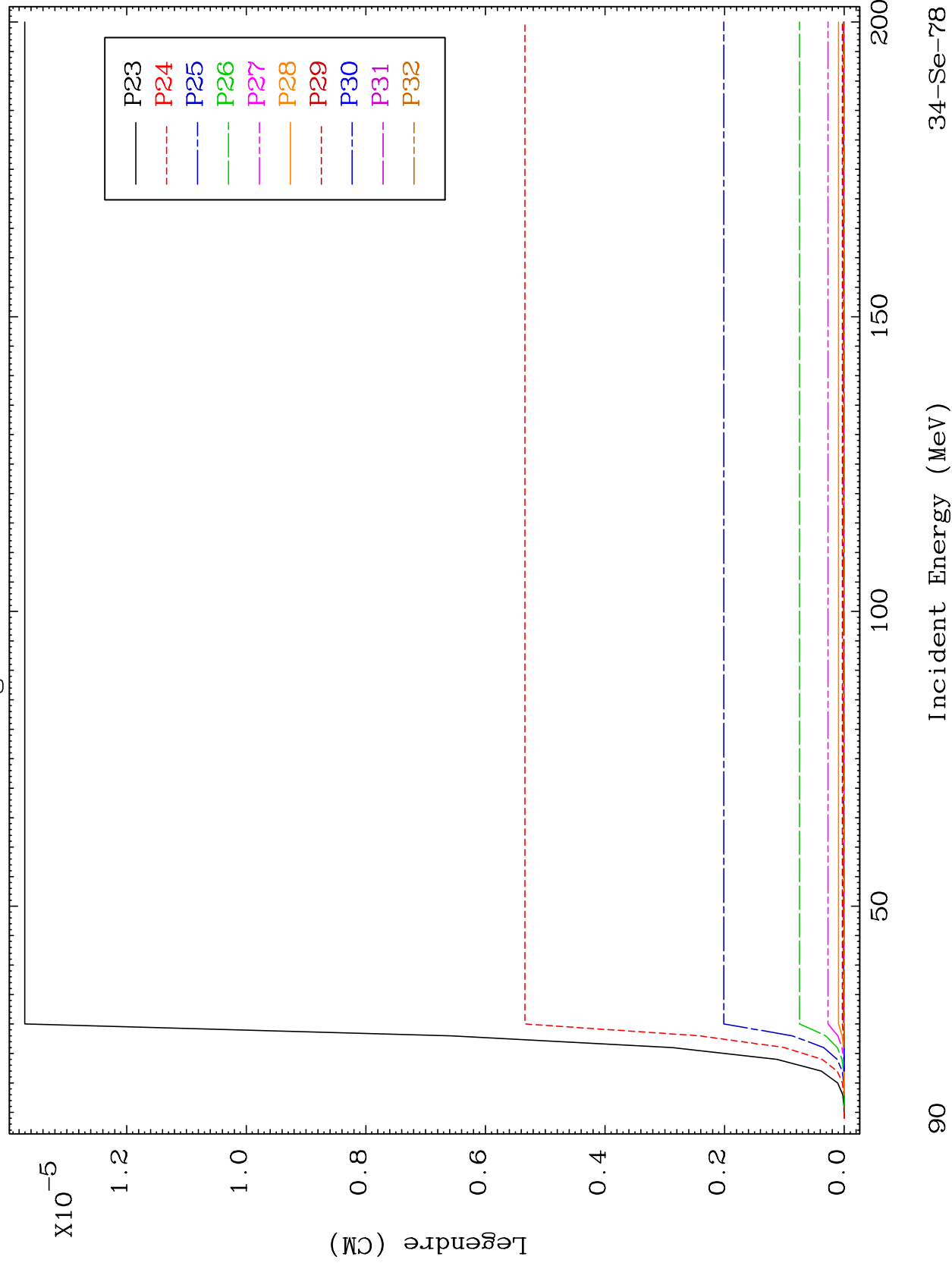
³⁴Se-78



MAT 3437

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

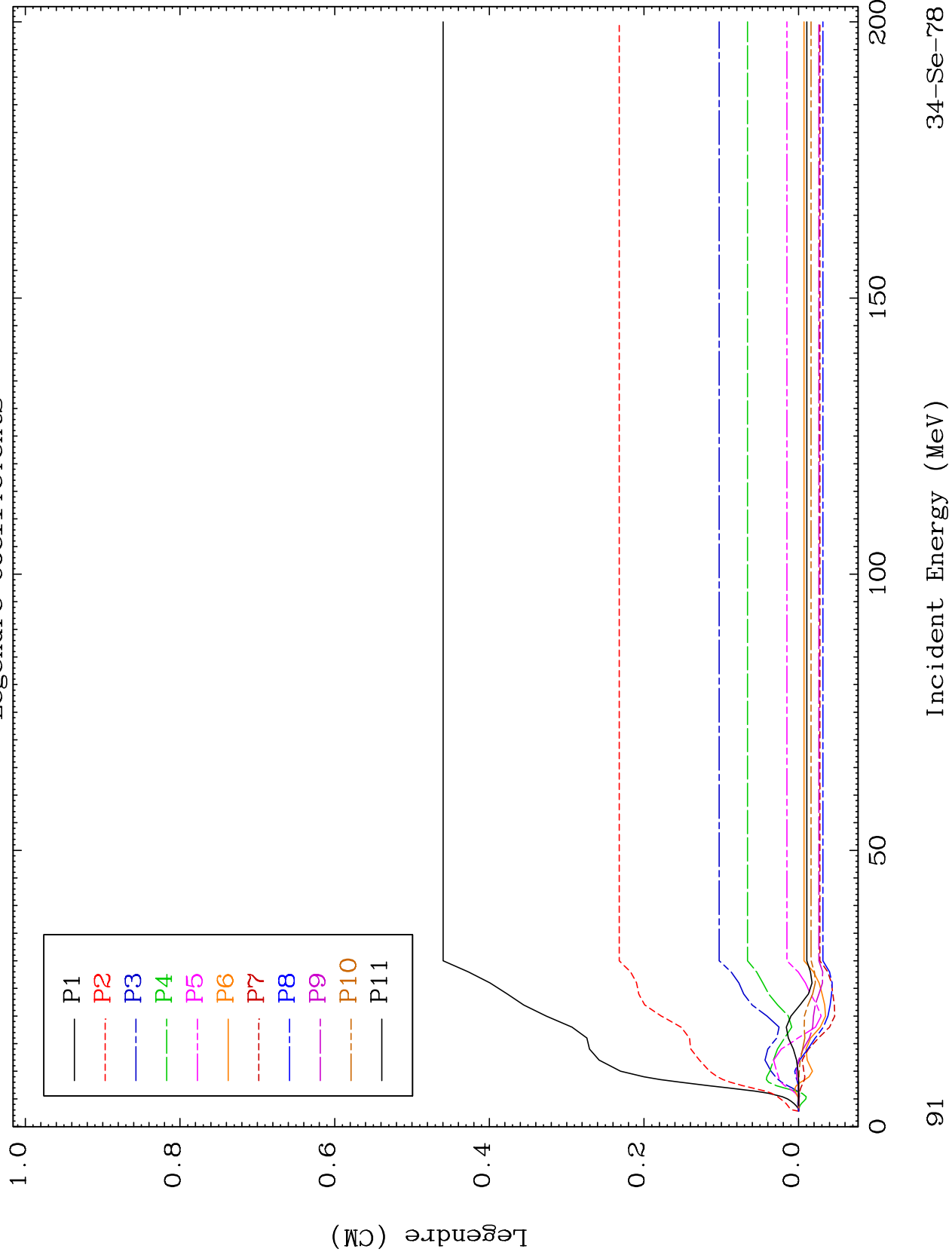
34-Se-78



MAT 3437

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

³⁴Se-78



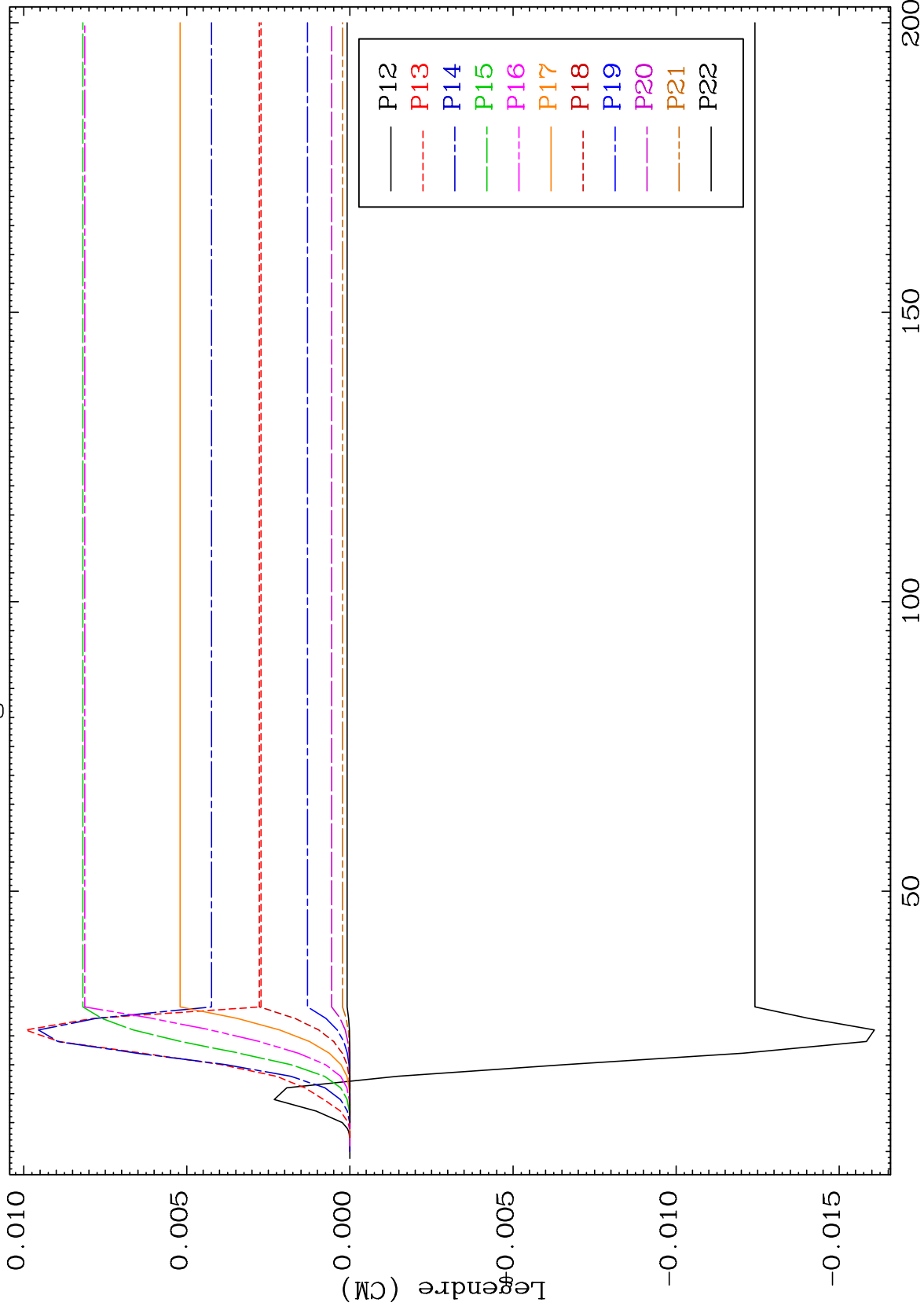
91

³⁴Se-78

MAT 3437

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

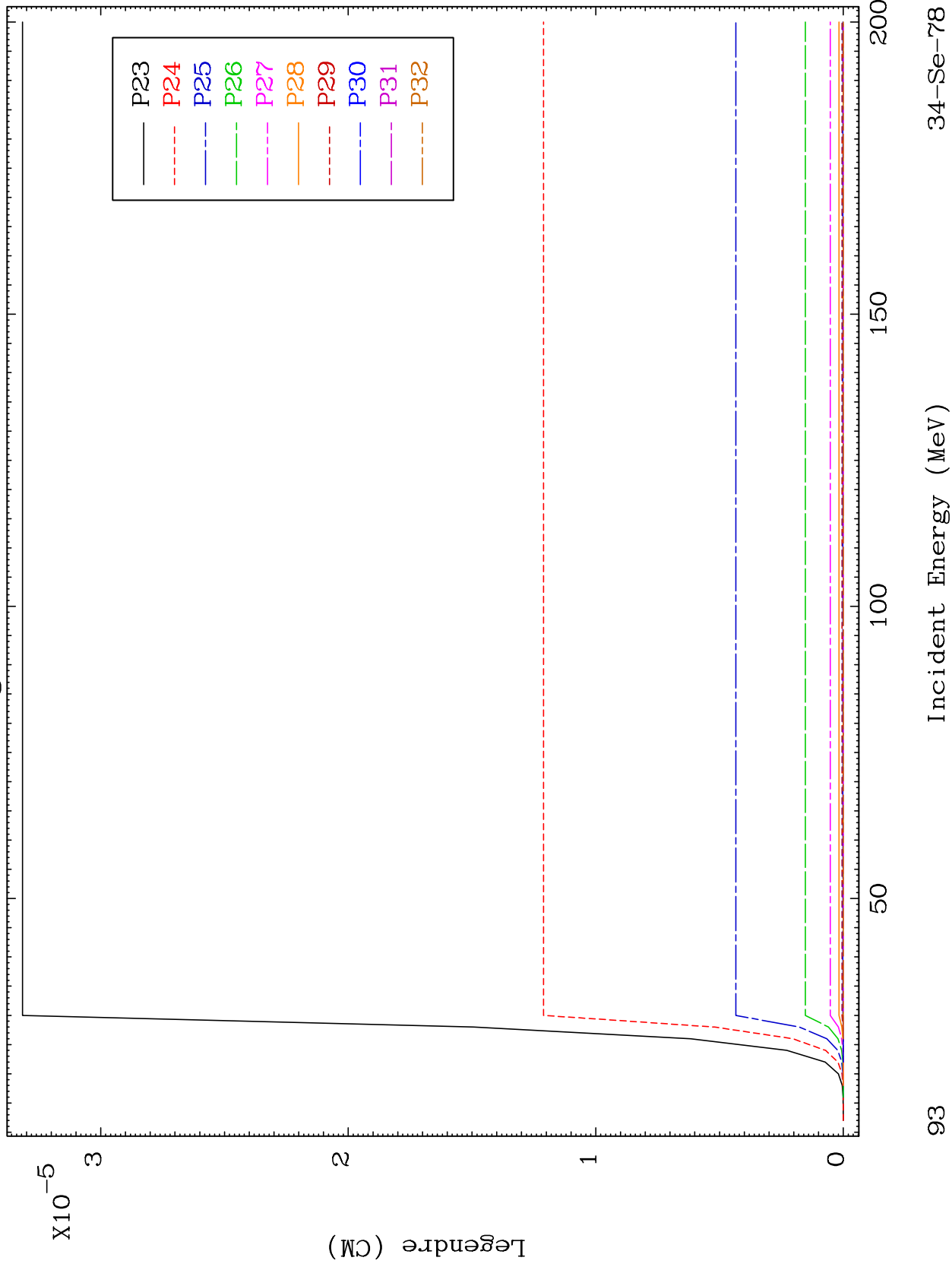
34-Se-78

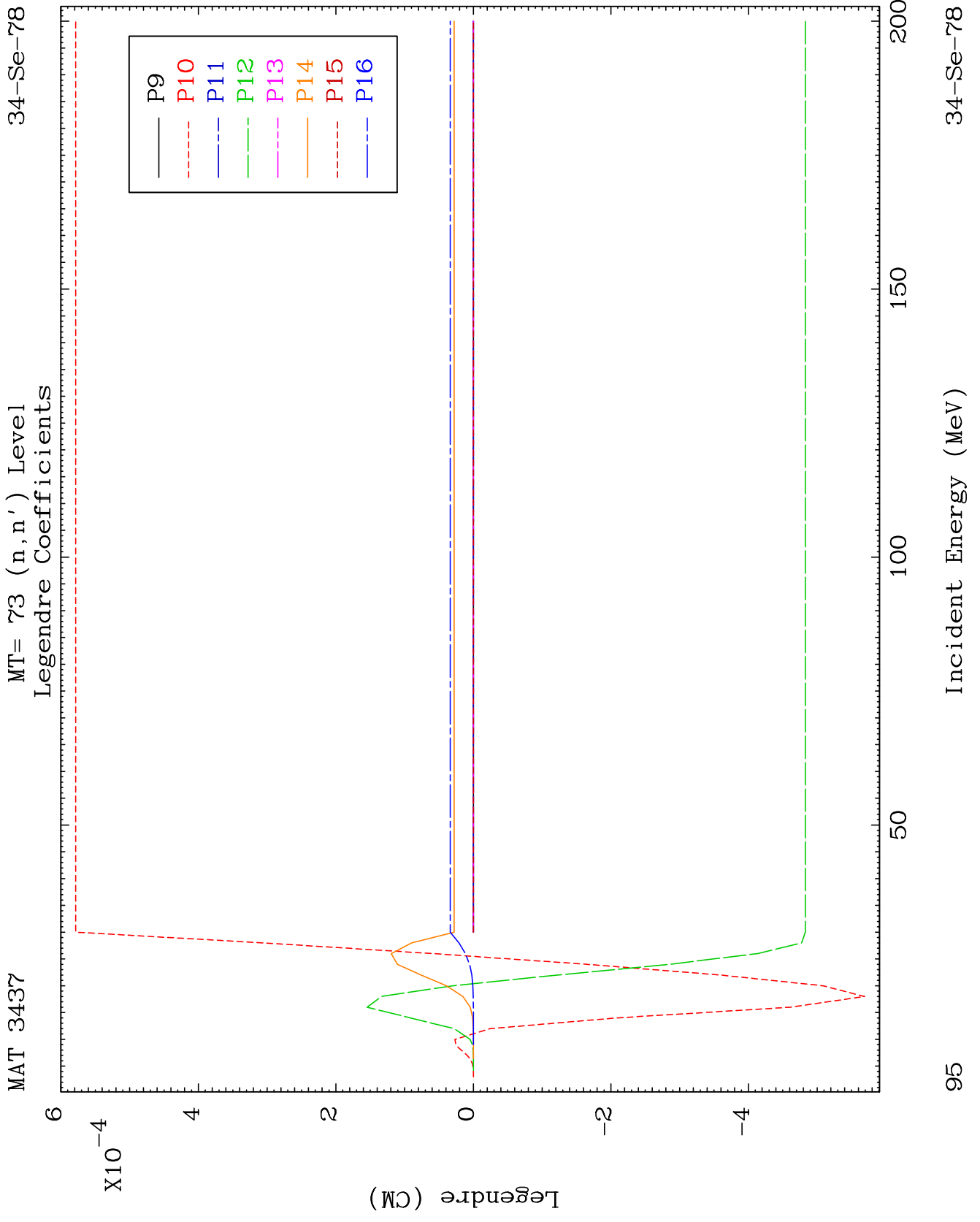


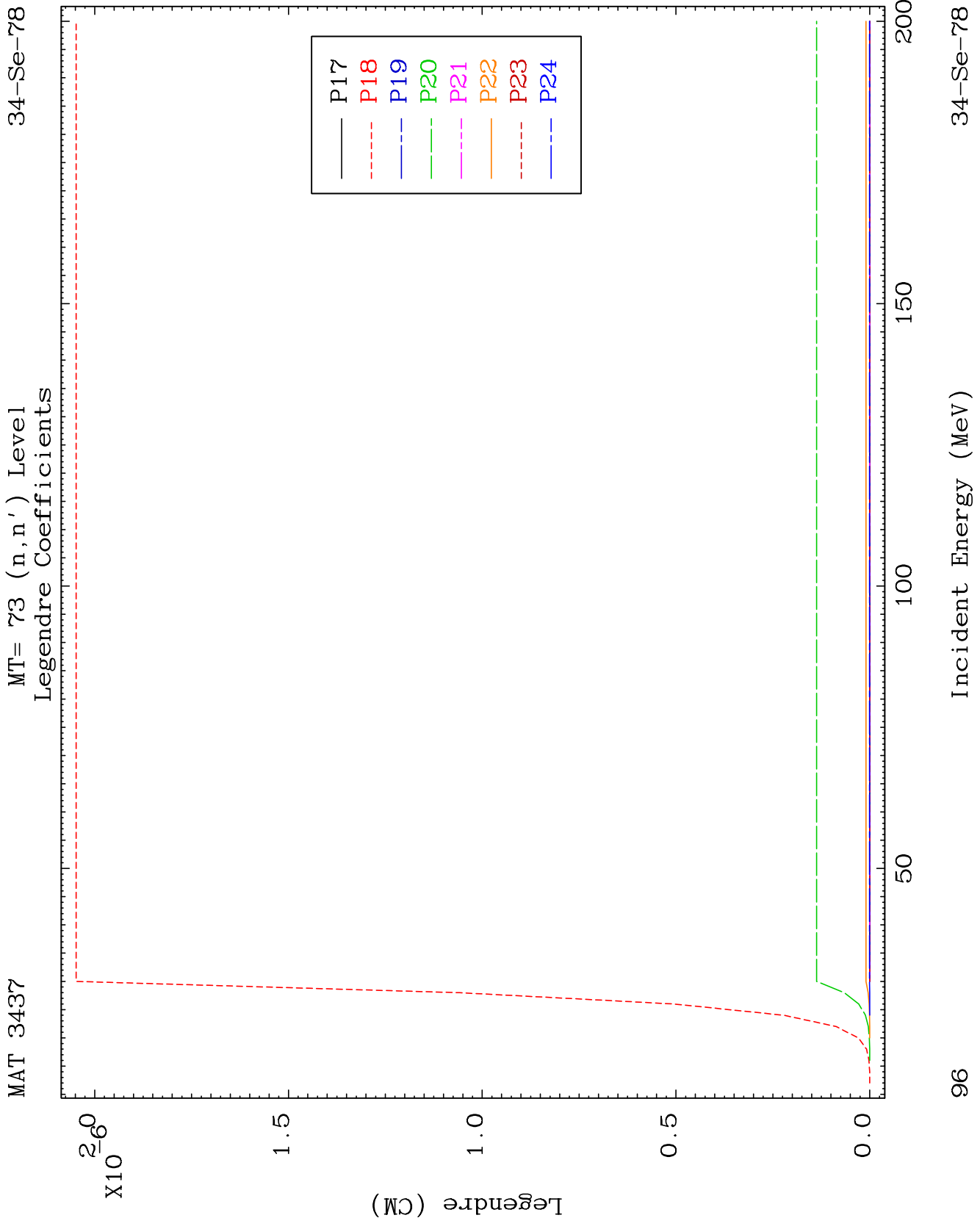
MAT 3437

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

³⁴Se-78



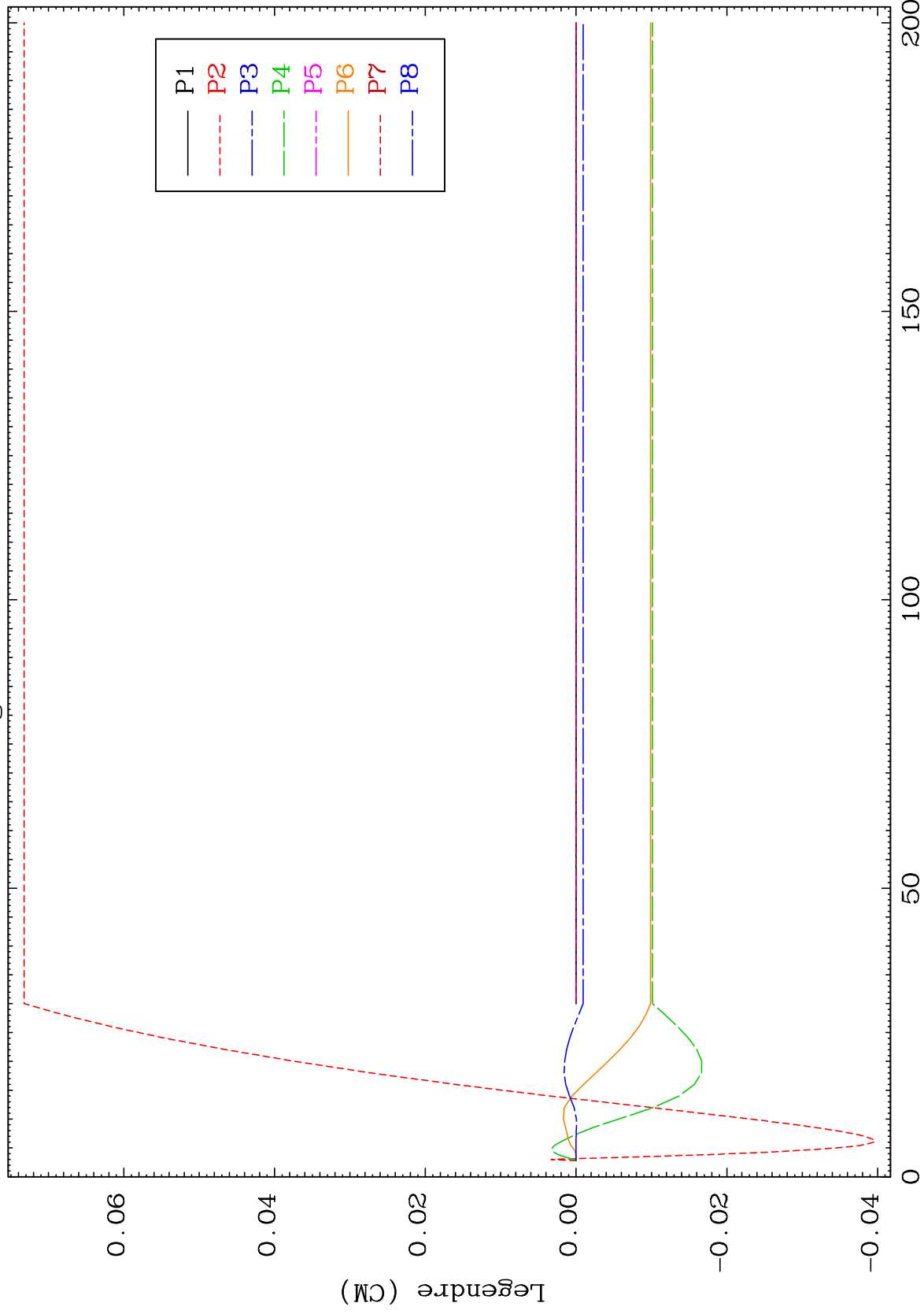




MAT 3437

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

34-Se-78



97

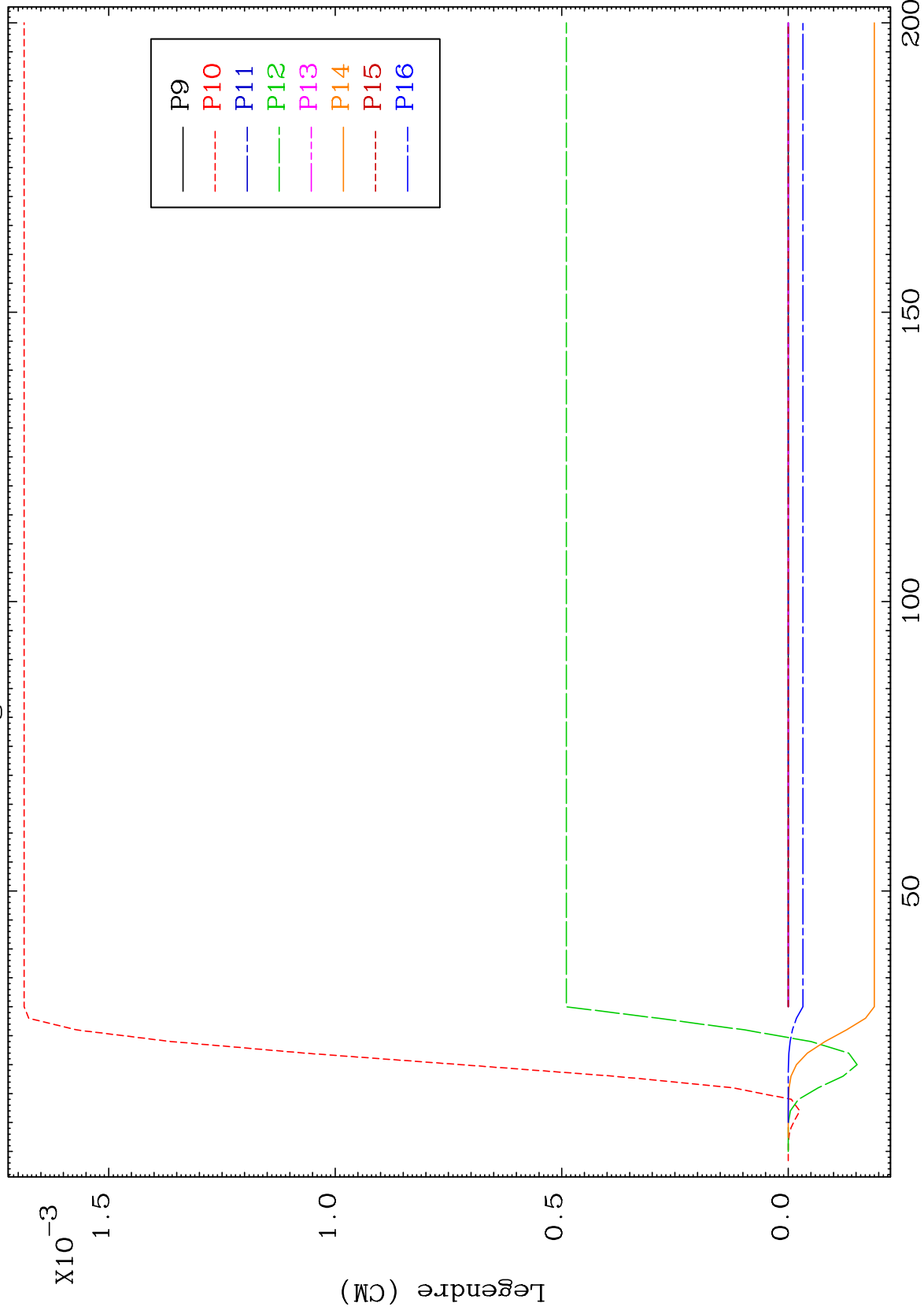
Incident Energy (MeV)

34-Se-78

MAT 3437

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

34-Se-78



98

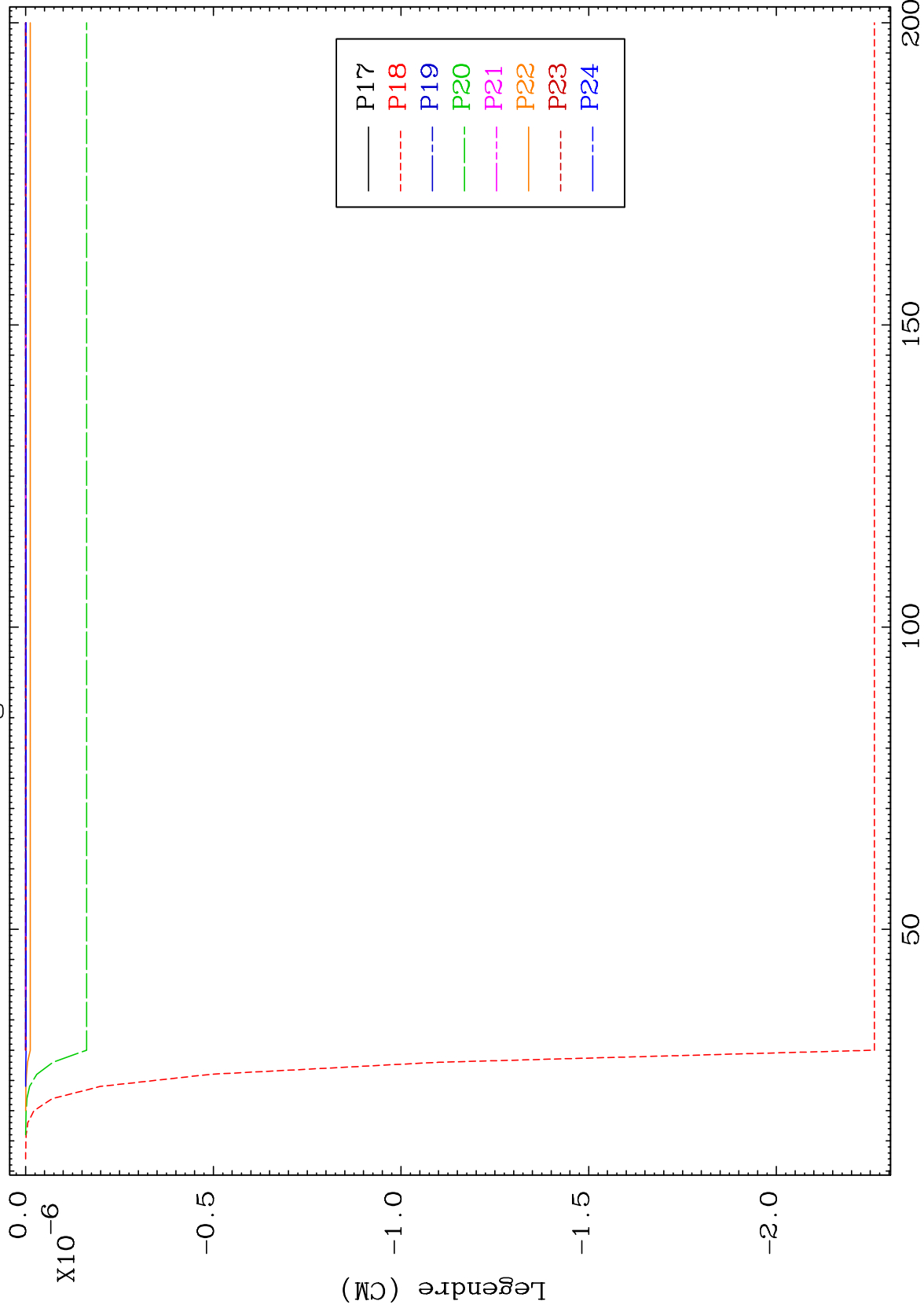
Incident Energy (MeV)

34-Se-78

MAT 3437

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

³⁴Se-78



99

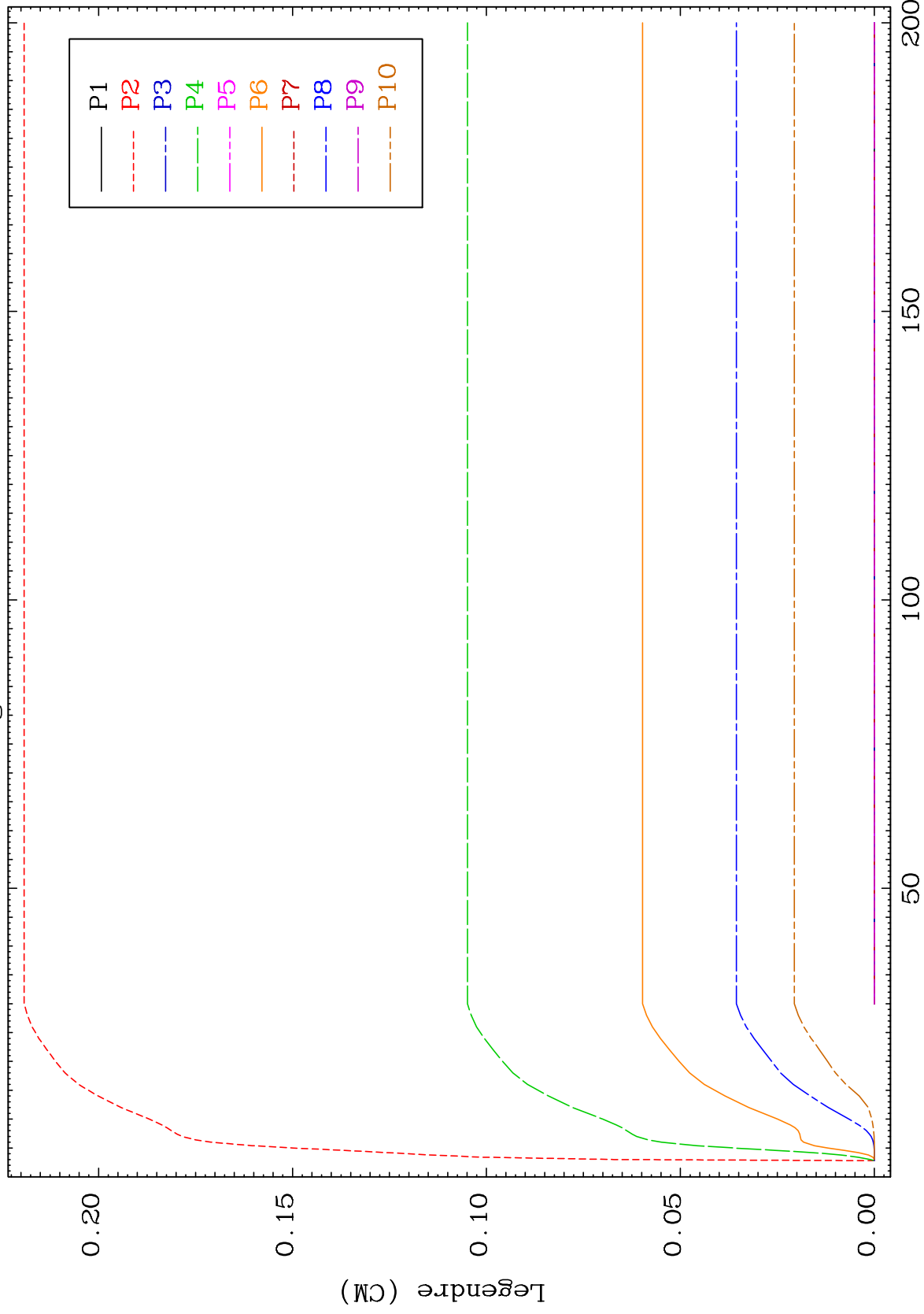
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

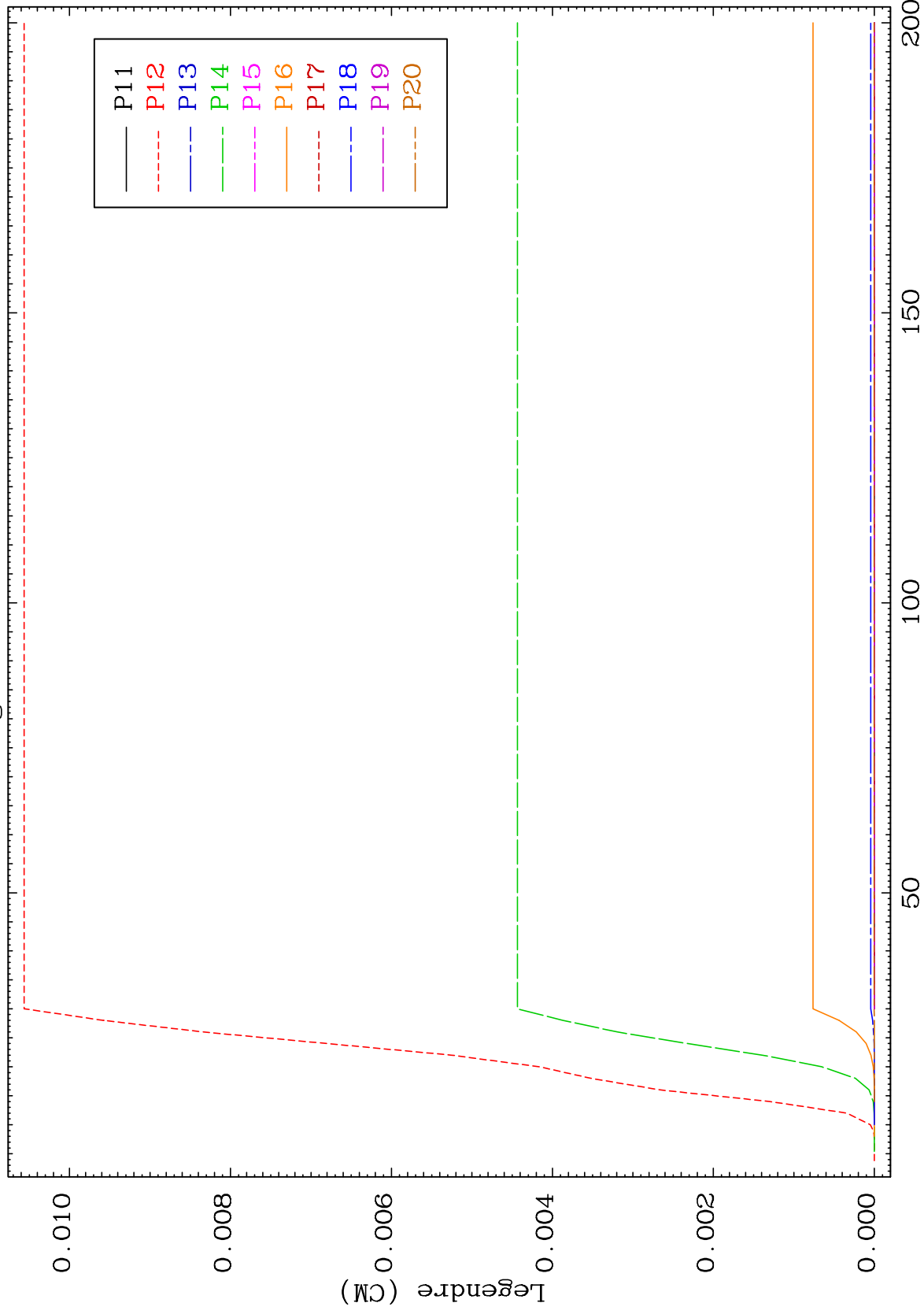
³⁴Se-78



MAT 3437

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

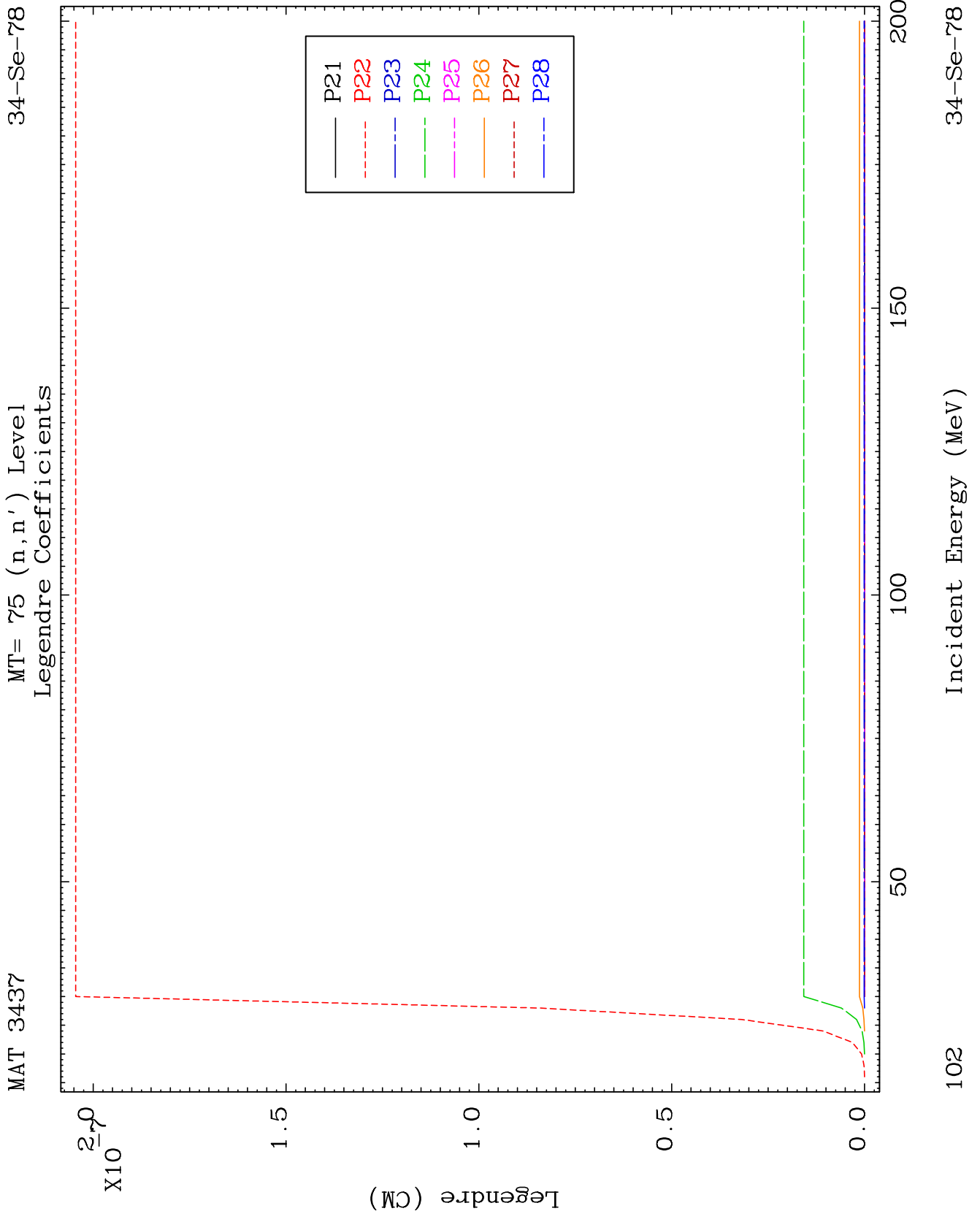
34-Se-78



101

Incident Energy (MeV)

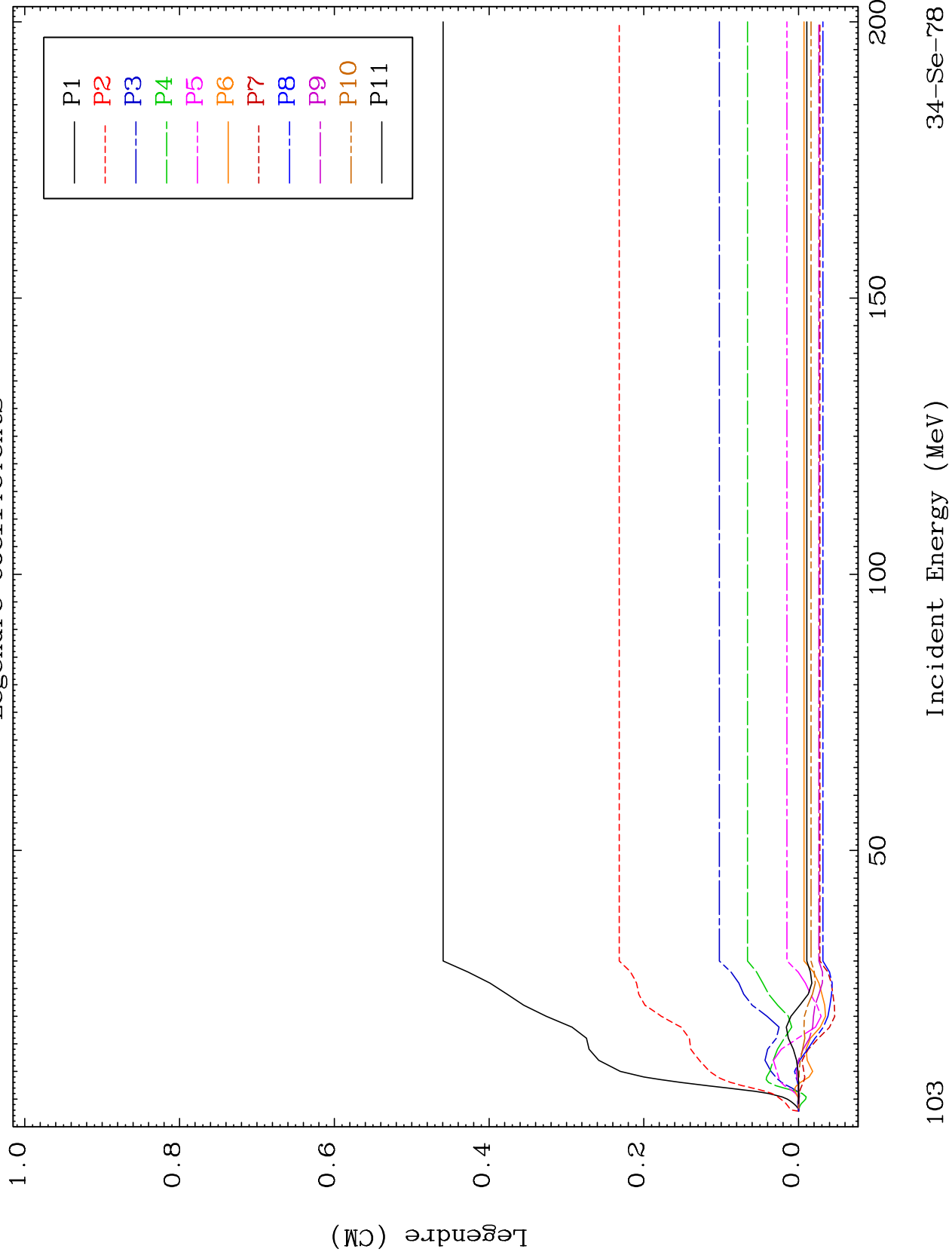
34-Se-78



MAT 3437

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

³⁴Se-78



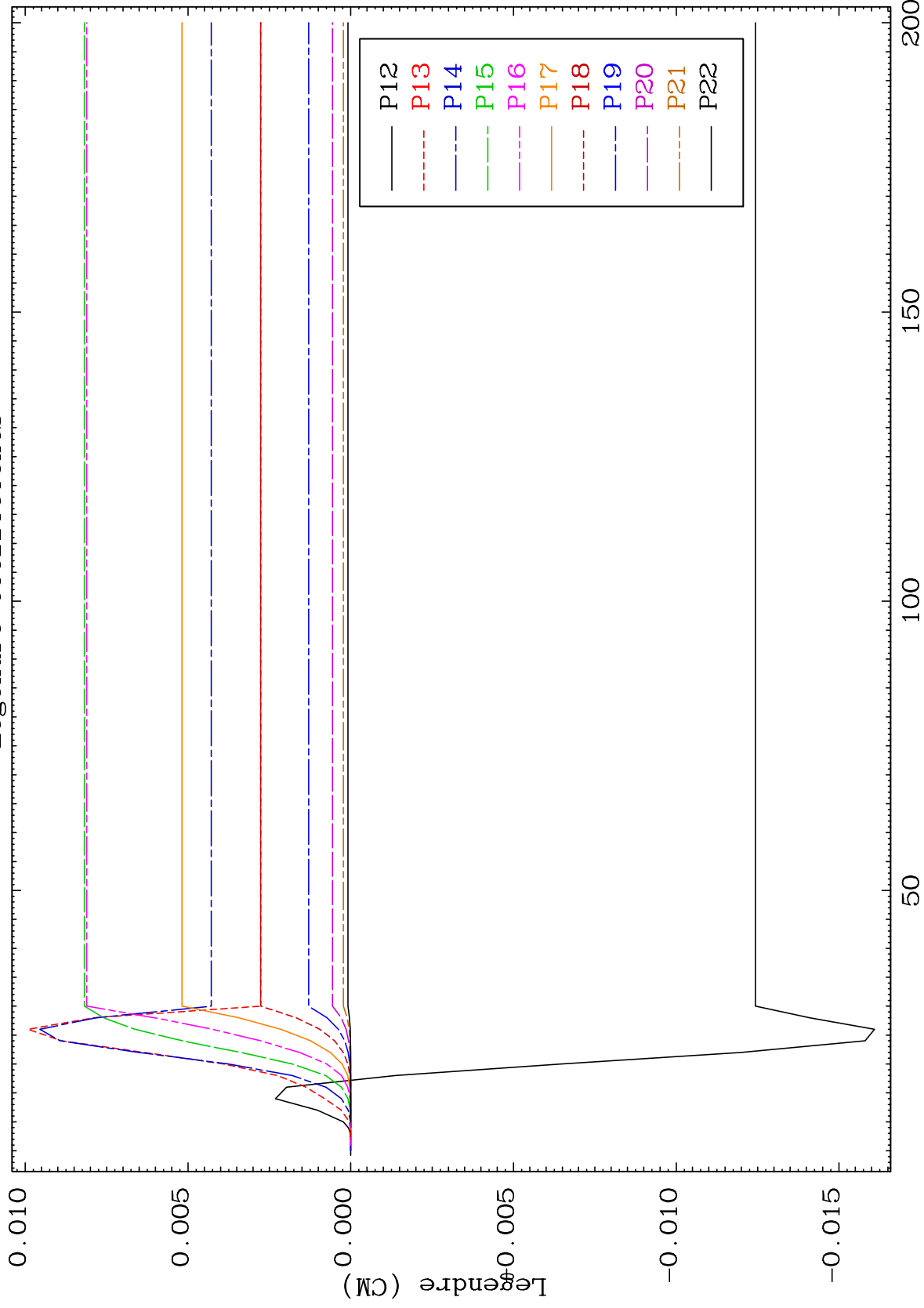
103

³⁴Se-78

MAT 3437

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

34-Se-78



104

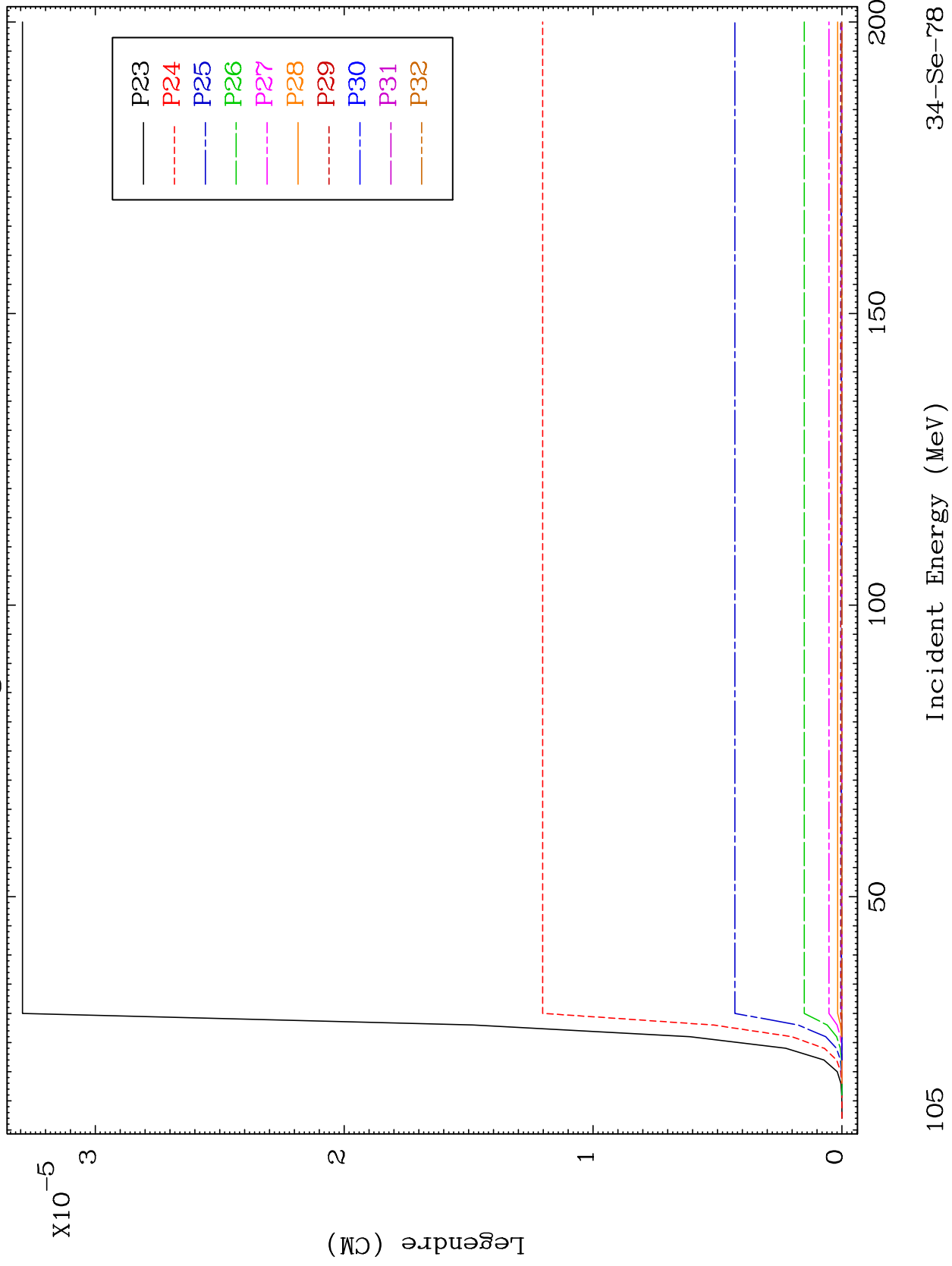
Incident Energy (MeV)

34-Se-78

MAT 3437

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

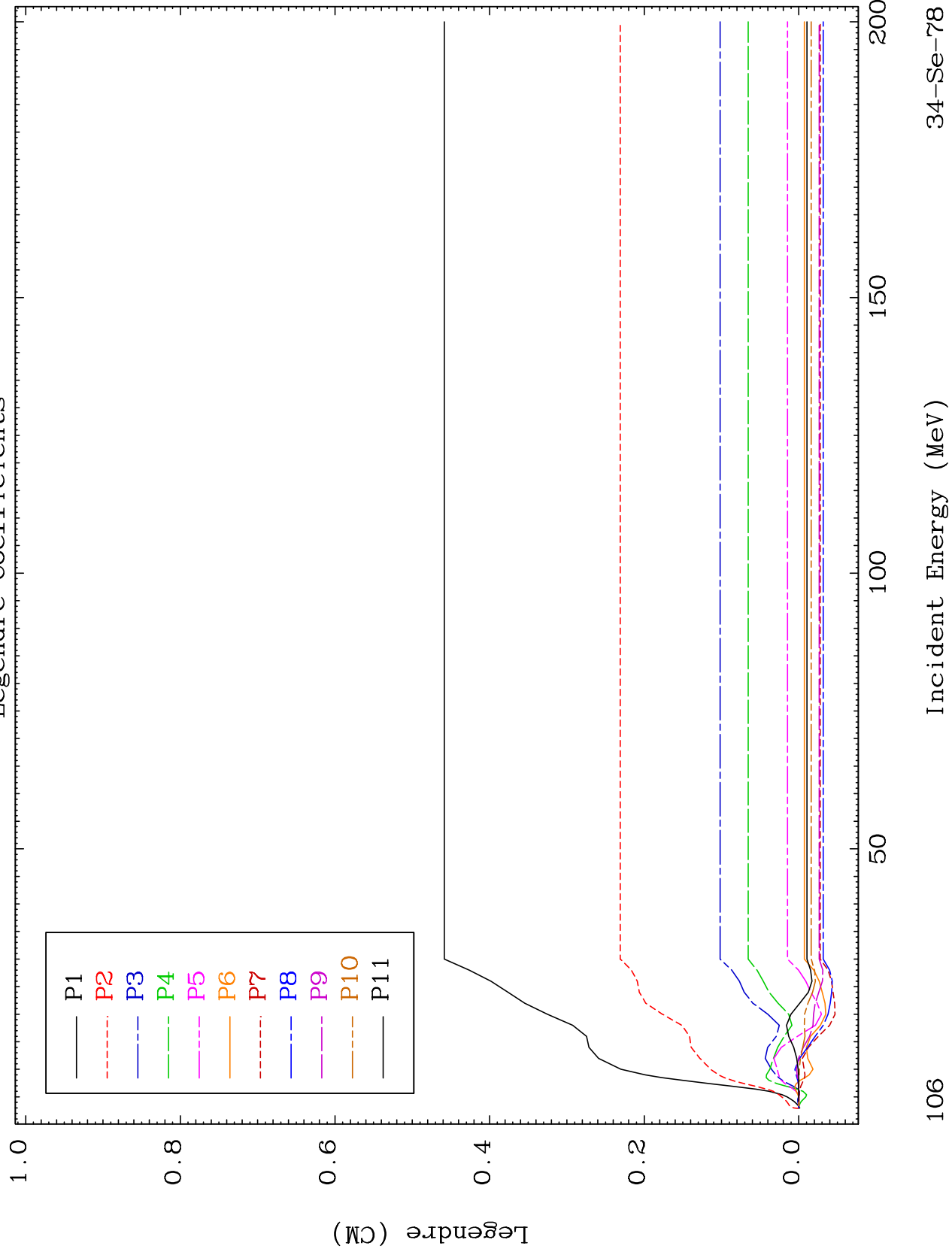
³⁴Se-78



MAT 3437

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

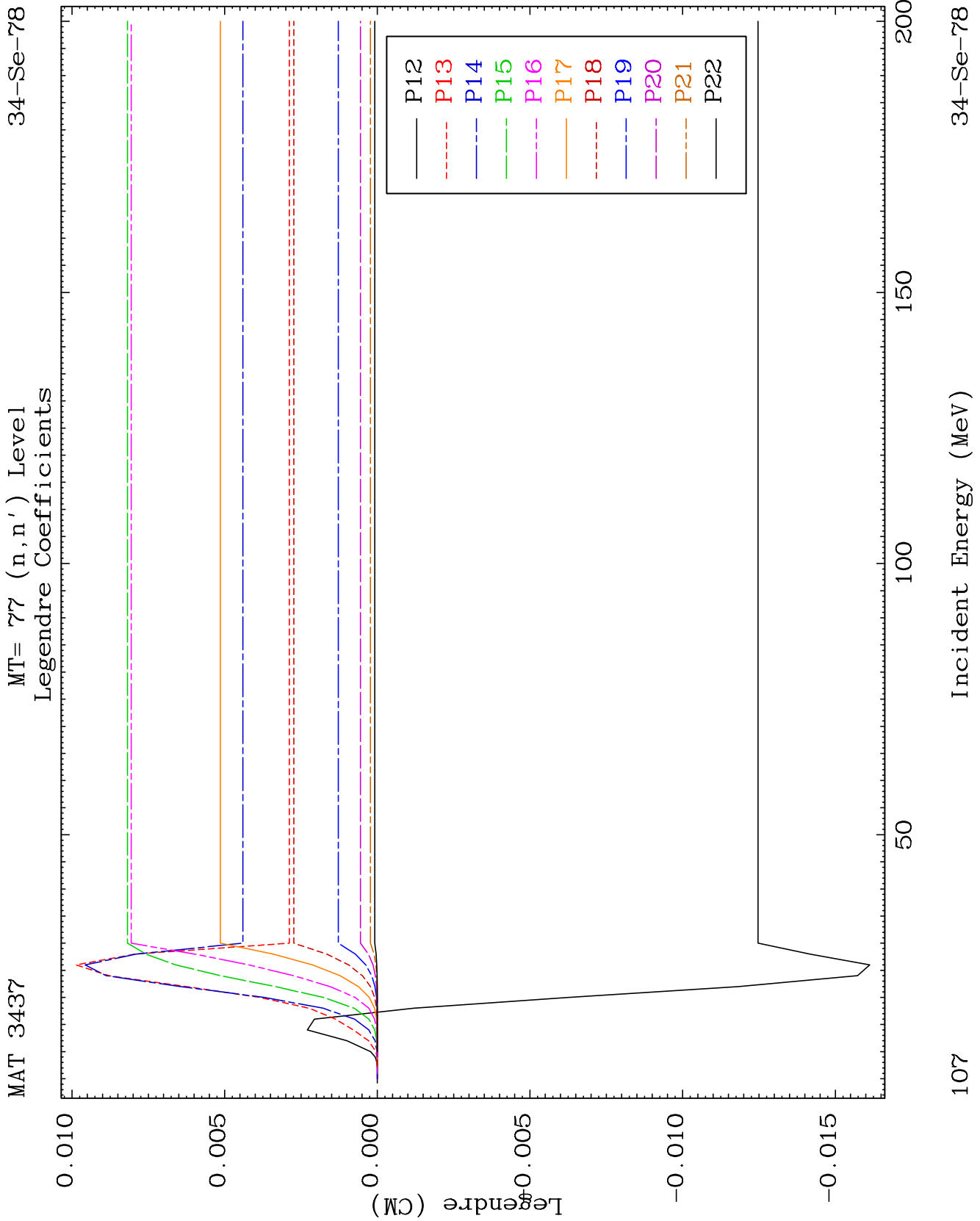
³⁴Se-78



106

Incident Energy (MeV)

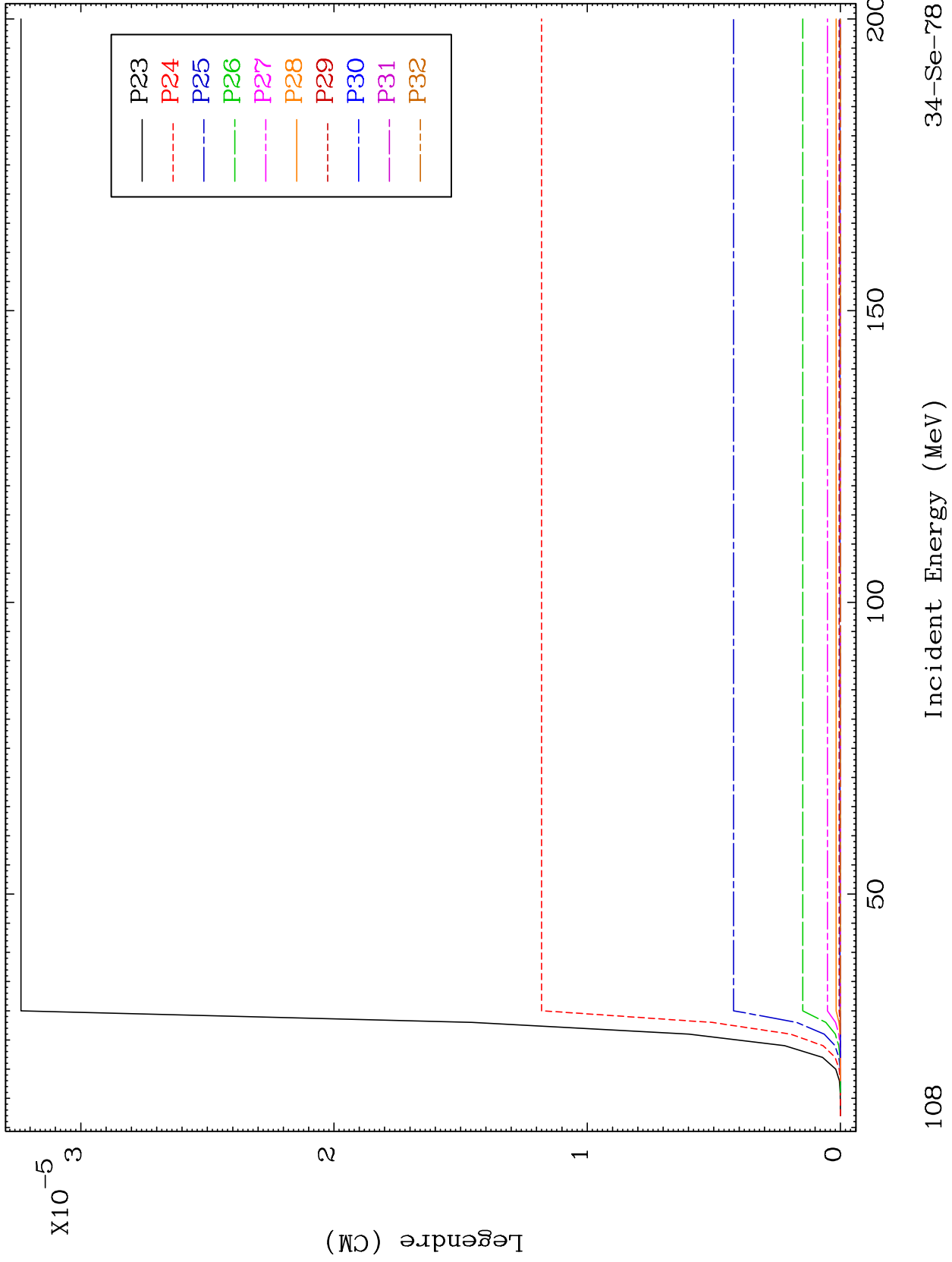
³⁴Se-78



MAT 3437

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

³⁴Se-78



108

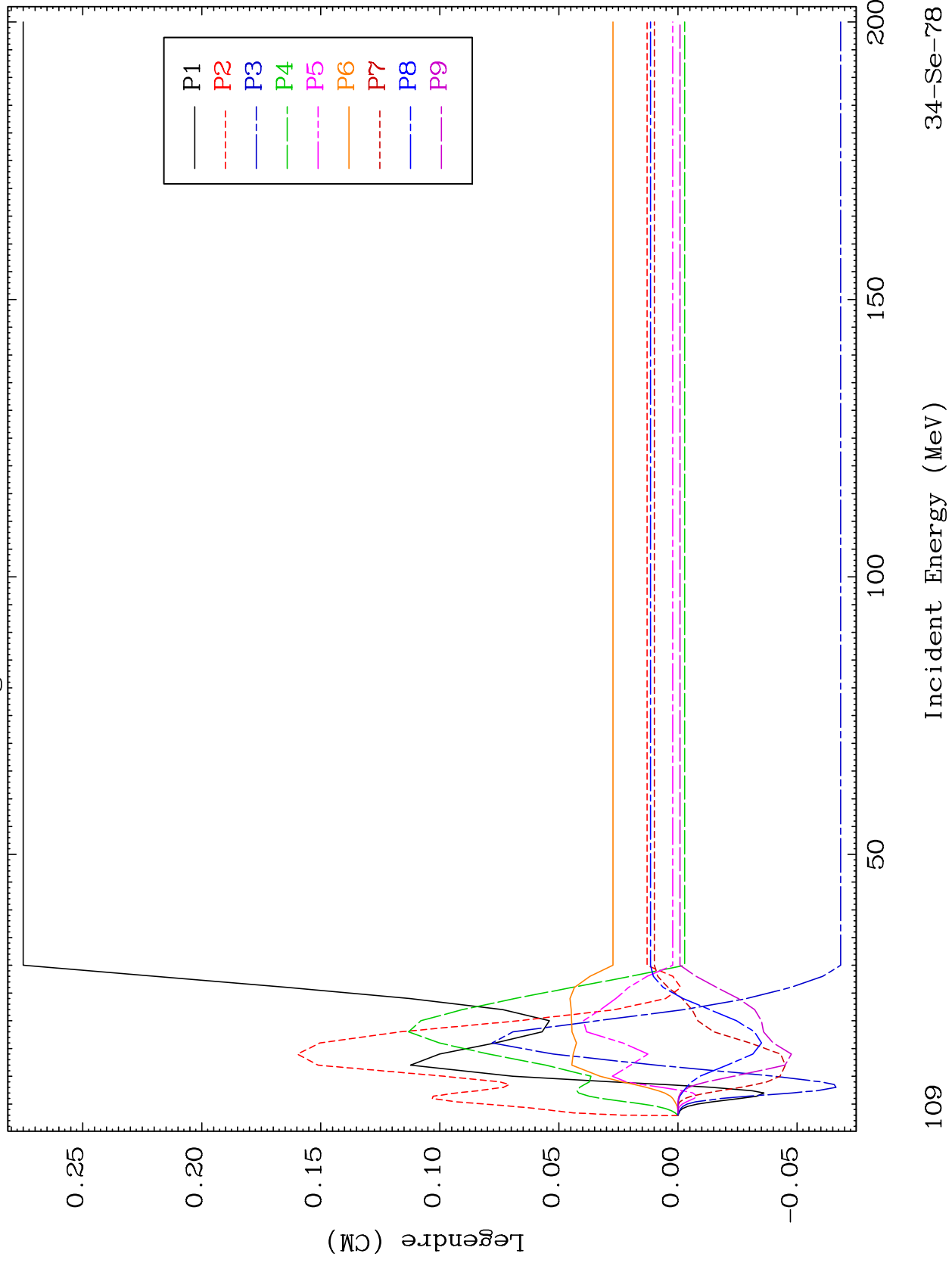
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

³⁴Se-78

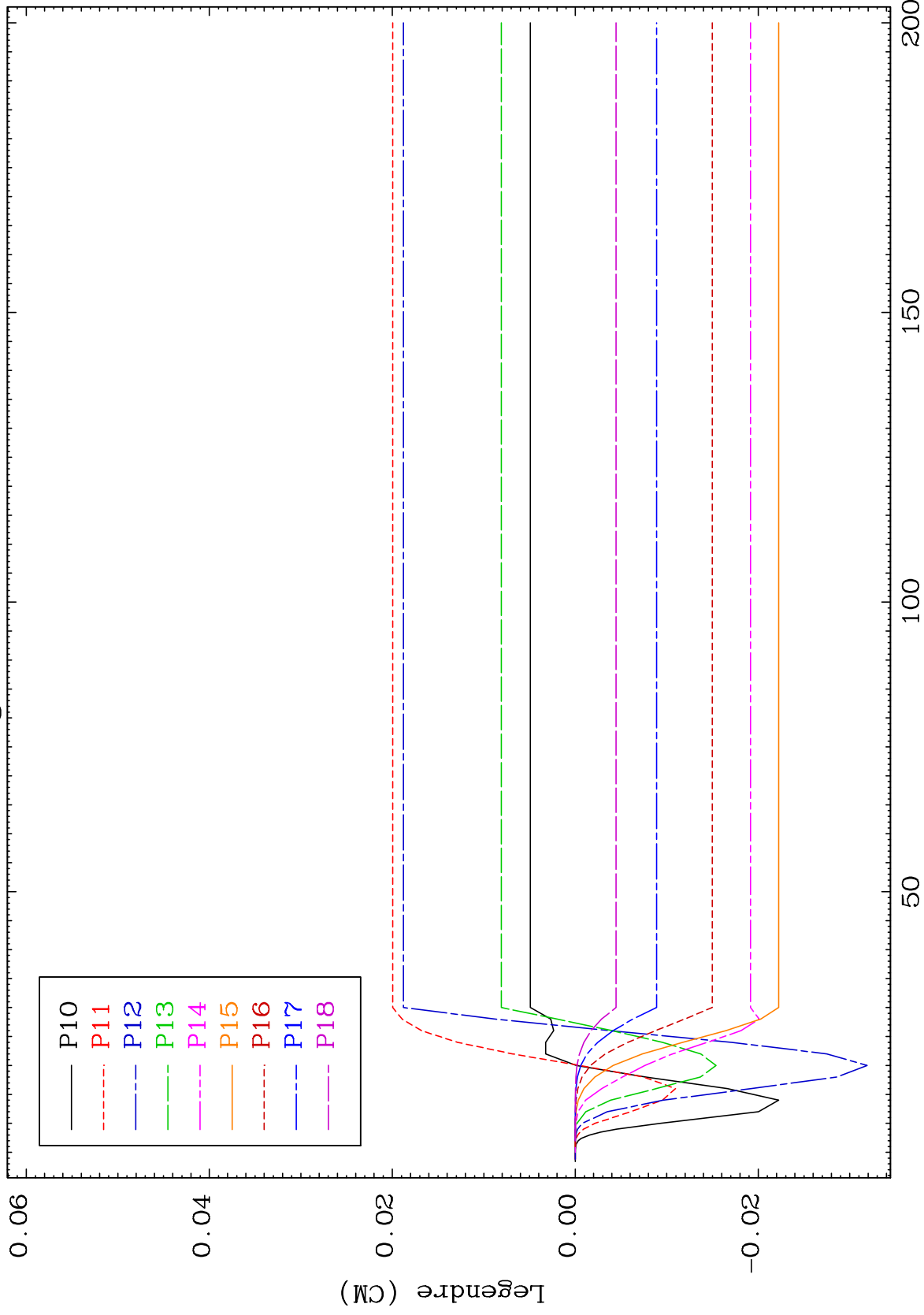


109

MAT 3437

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

34-Se-78



110

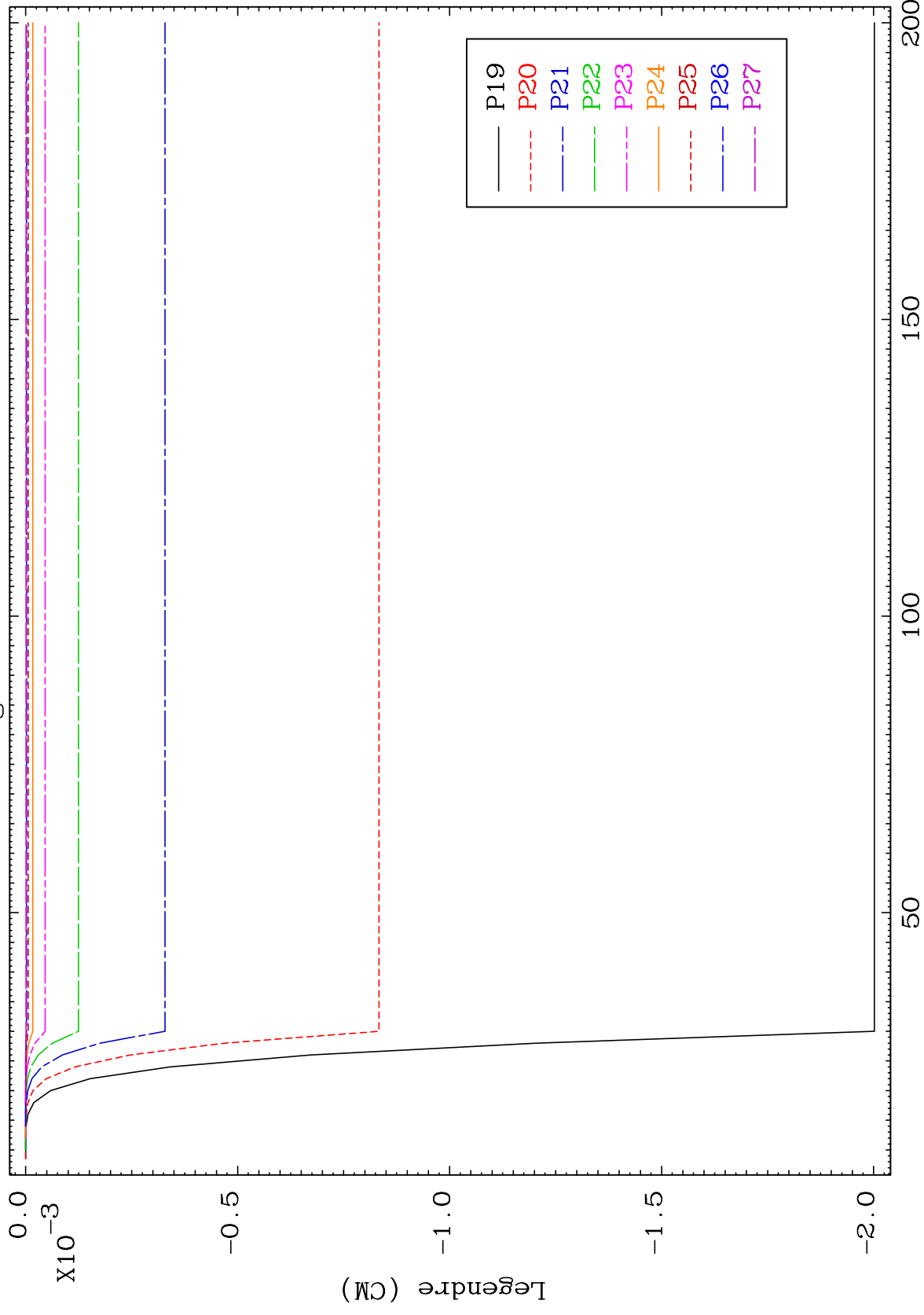
Incident Energy (MeV)

34-Se-78

MAT 3437

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

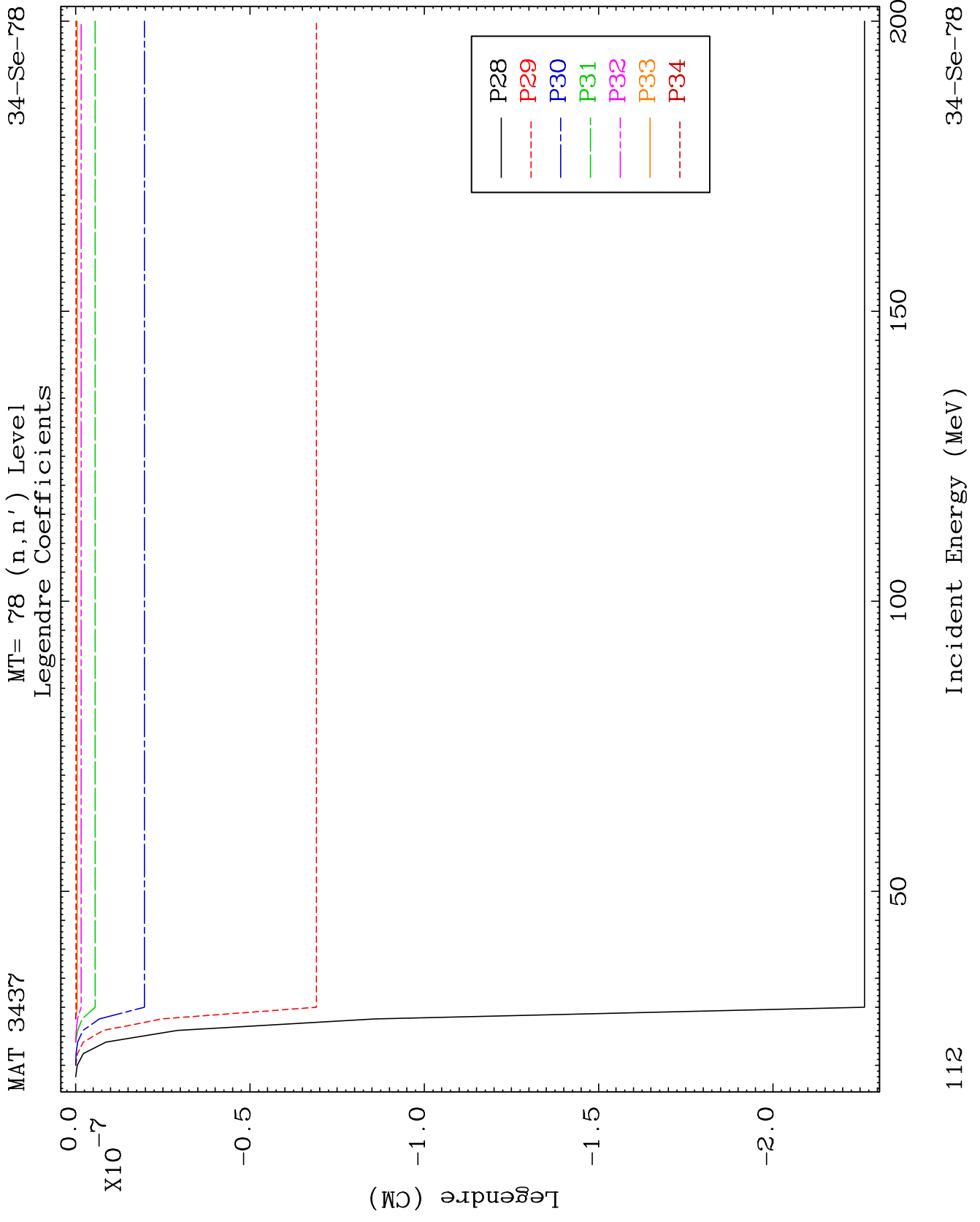
34-Se-78



111

Incident Energy (MeV)

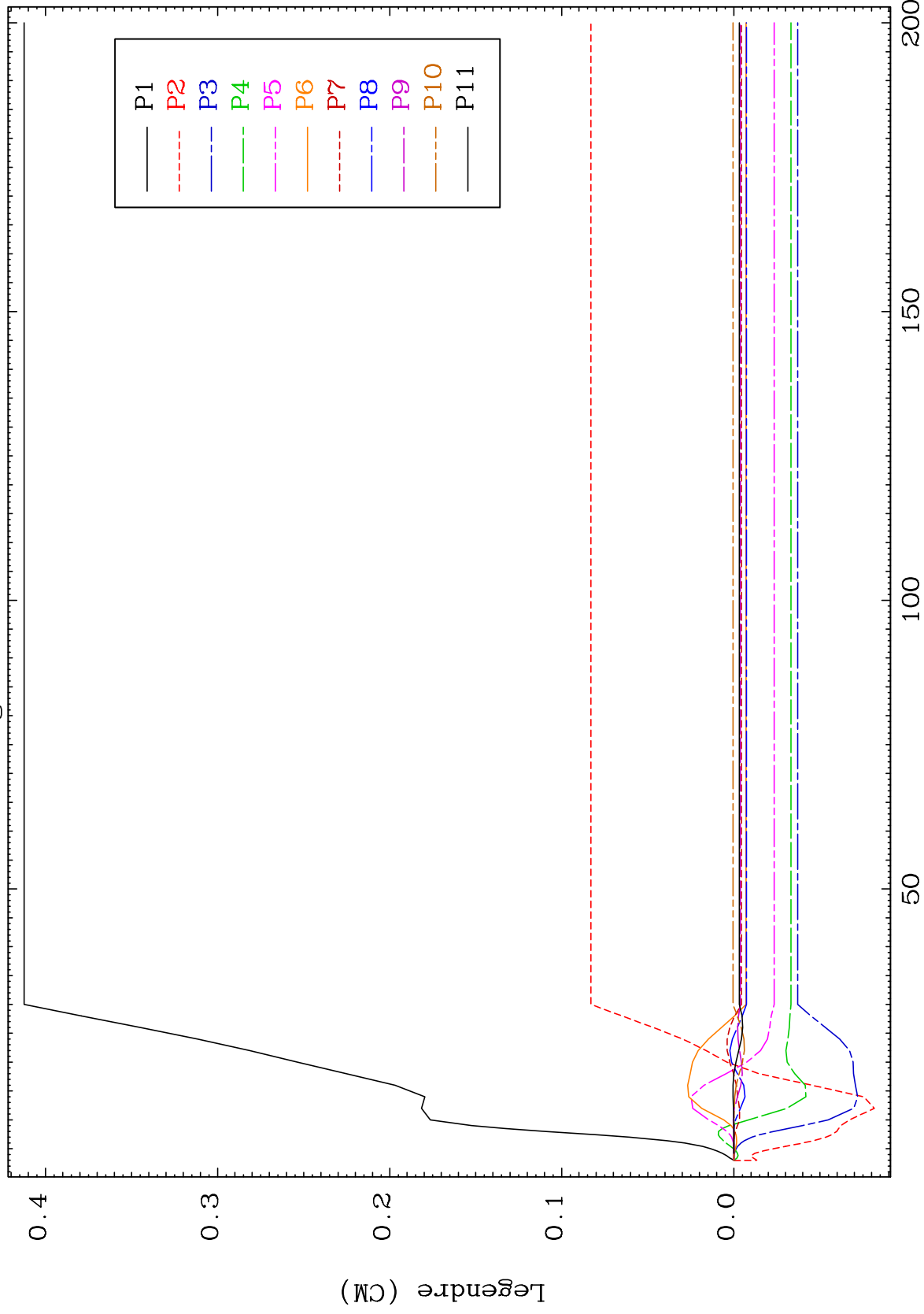
34-Se-78



MAT 3437

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

³⁴Se-78



113

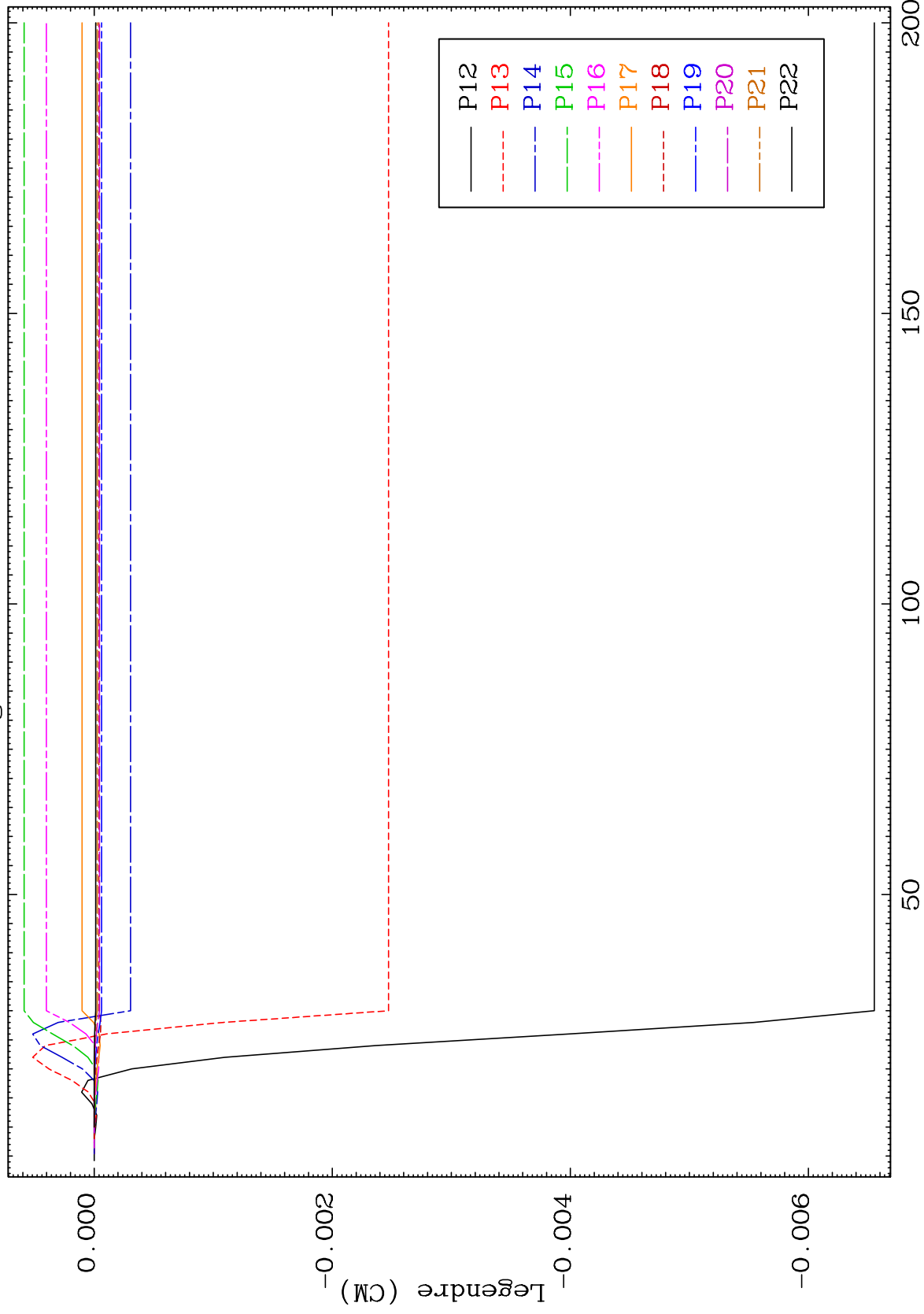
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78



114

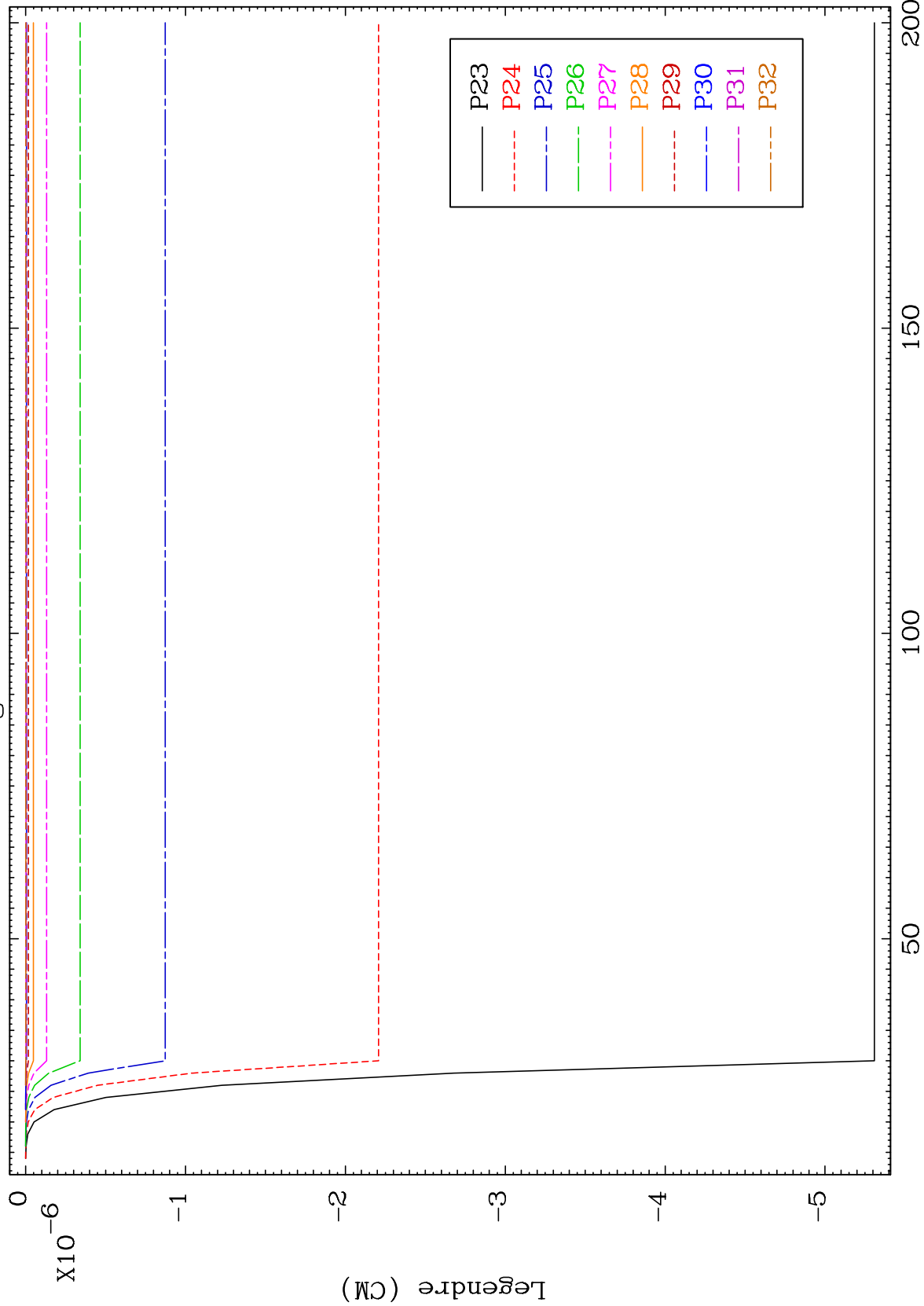
Incident Energy (MeV)

34-Se-78

MAT 3437

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

34-Se-78



115

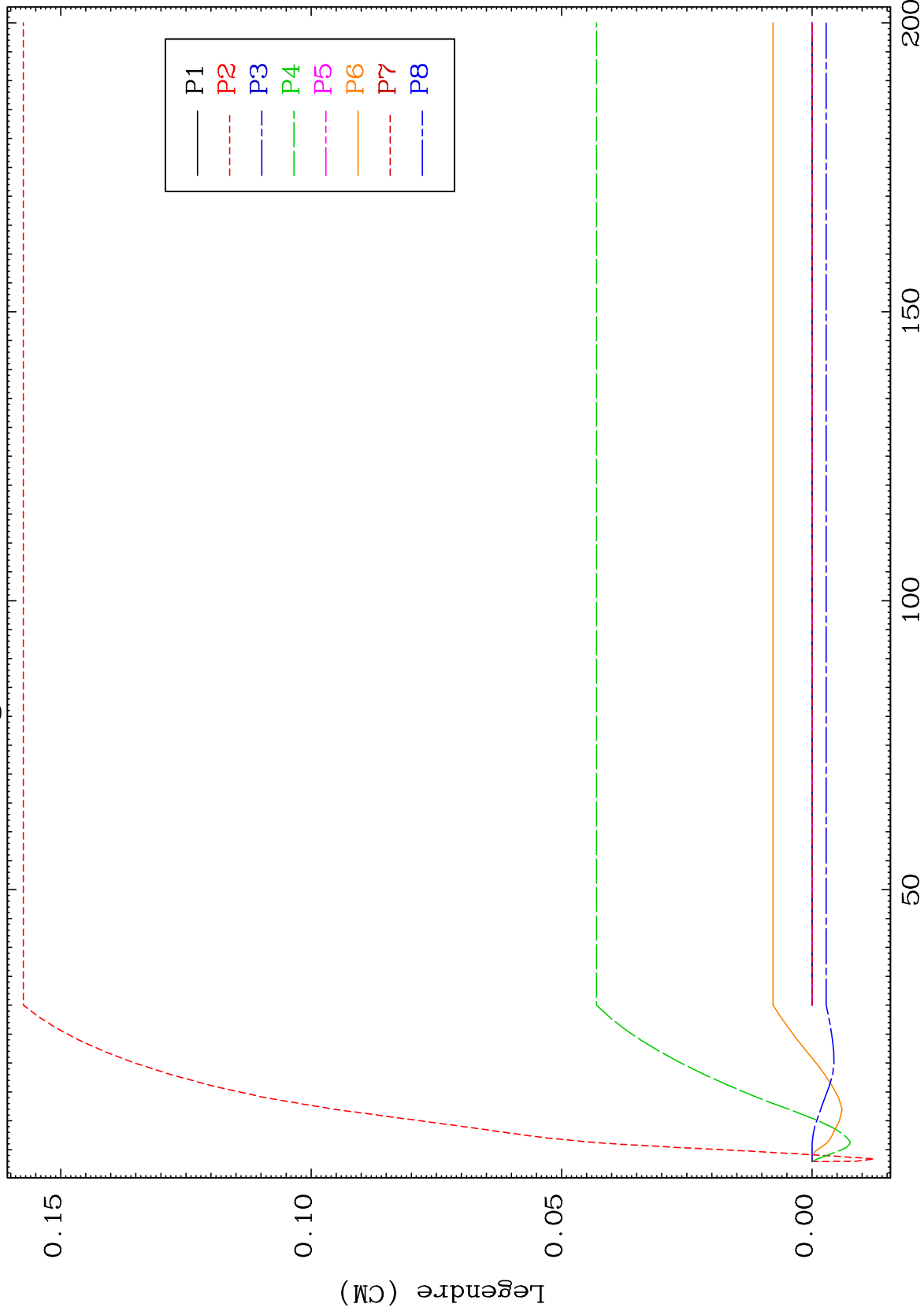
Incident Energy (MeV)

34-Se-78

MAT 3437

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

³⁴Se-78



116

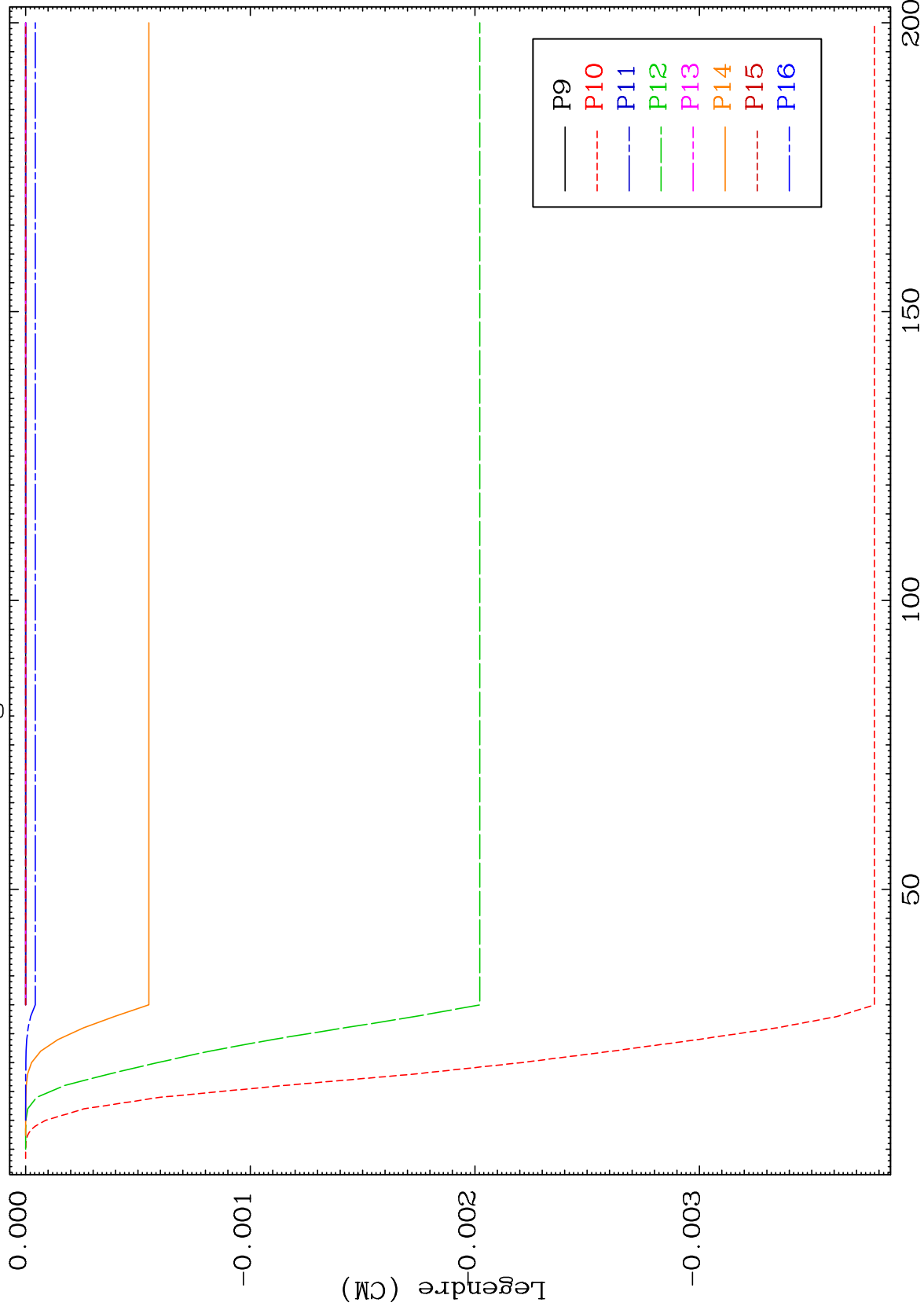
Incident Energy (MeV)

³⁴Se-78

MAT 3437

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

34-Se-78



117

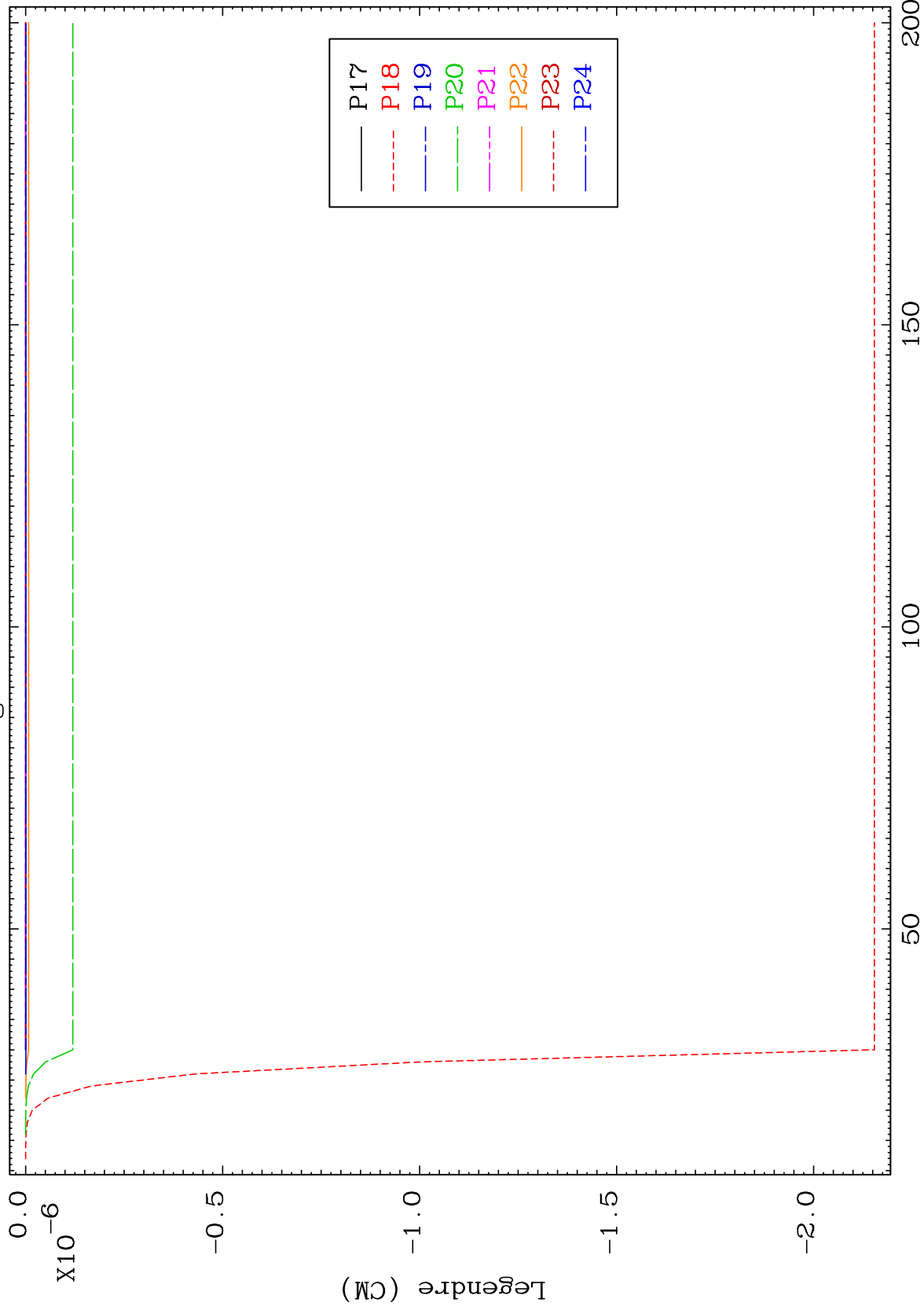
Incident Energy (MeV)

34-Se-78

MAT 3437

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

³⁴Se-78



118

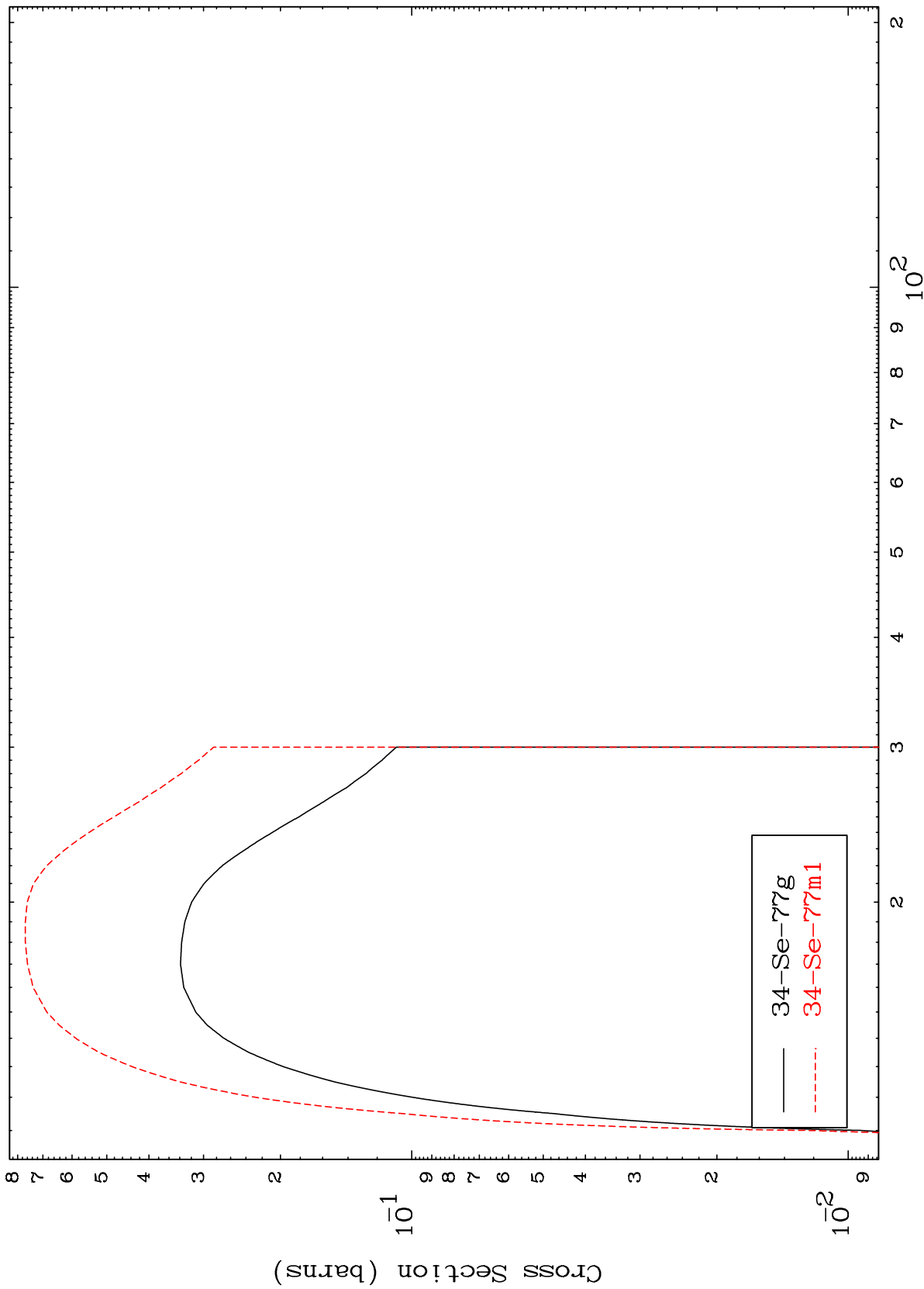
Incident Energy (MeV)

³⁴Se-78

MAT 3437

³⁴Se-78

Radionuclide Production Cross Section



119

Incident Energy (MeV)

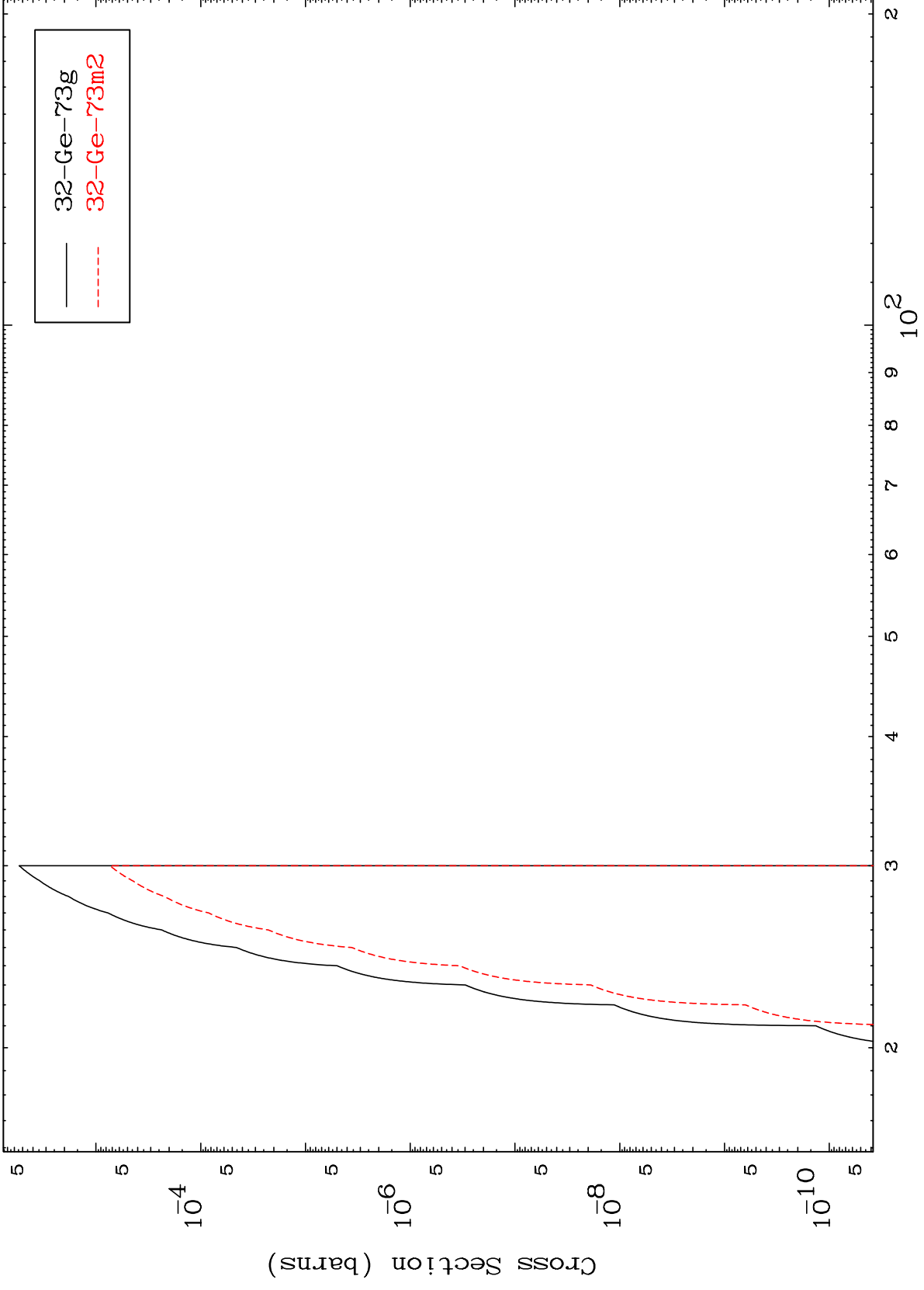
³⁴Se-78

MAT 3437

$(n,2n) \alpha$

³⁴Se-78

Radionuclide Production Cross Section



120

Incident Energy (MeV)

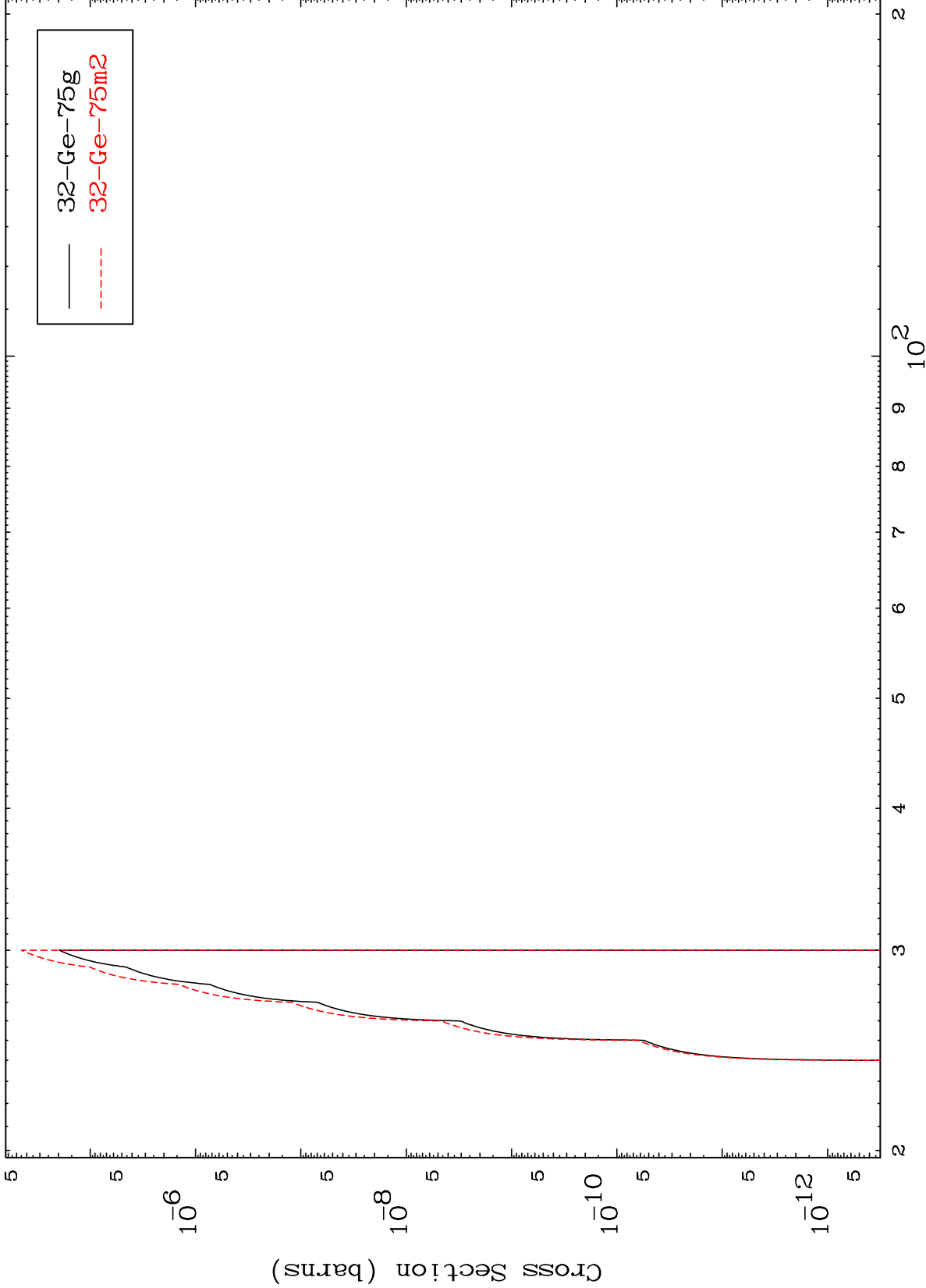
³⁴Se-78

MAT 3437

(n,n') He-3

34-Ge-78

Radionuclide Production Cross Section



121

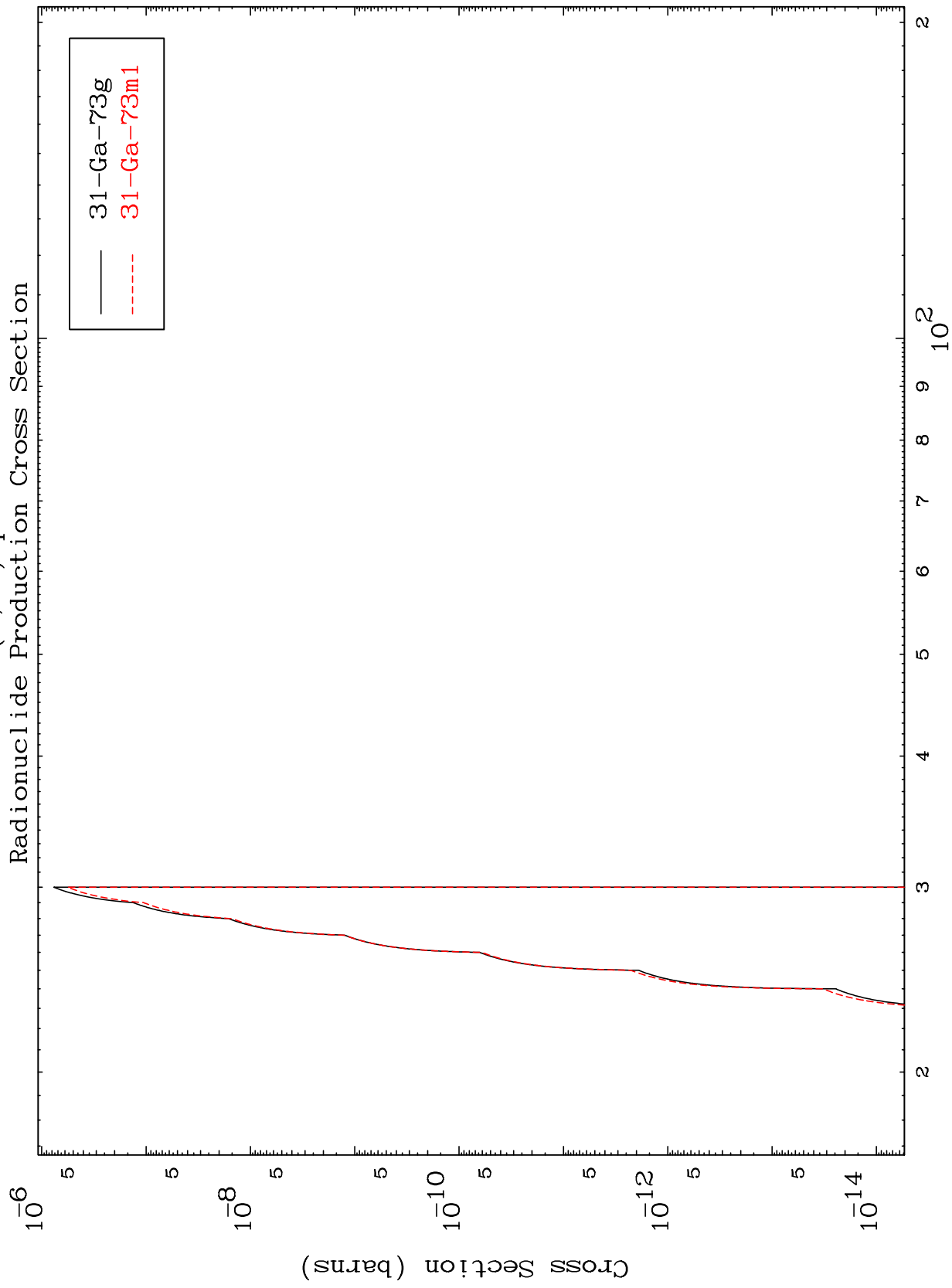
Incident Energy (MeV)

34-Ge-78

MAT 3437

³⁴Se-78

(n,n') p α
Radionuclide Production Cross Section



³⁴Se-78

Incident Energy (MeV)

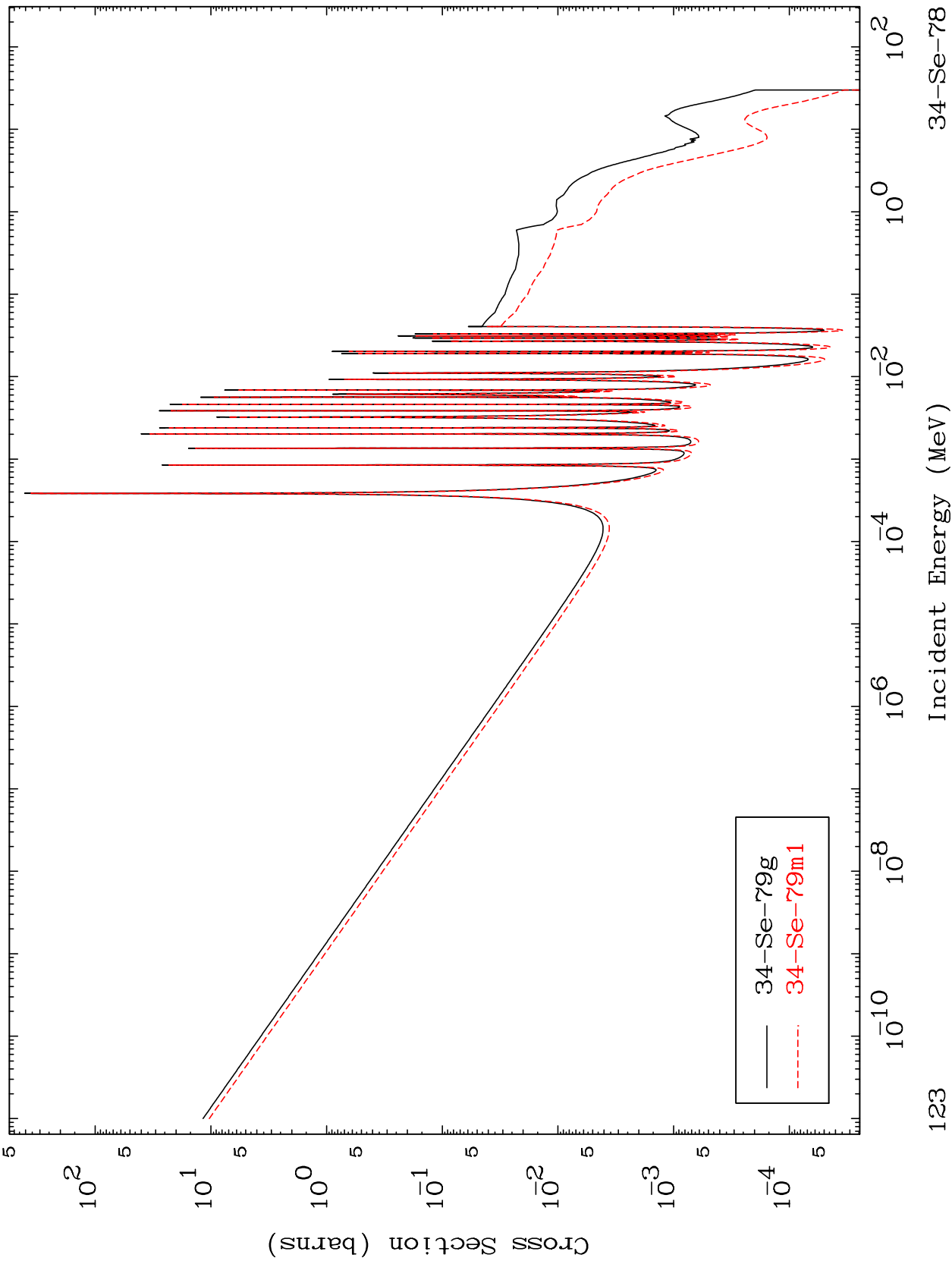
122

MAT 3437

³⁴Se-78

Radionuclide Production Cross Section

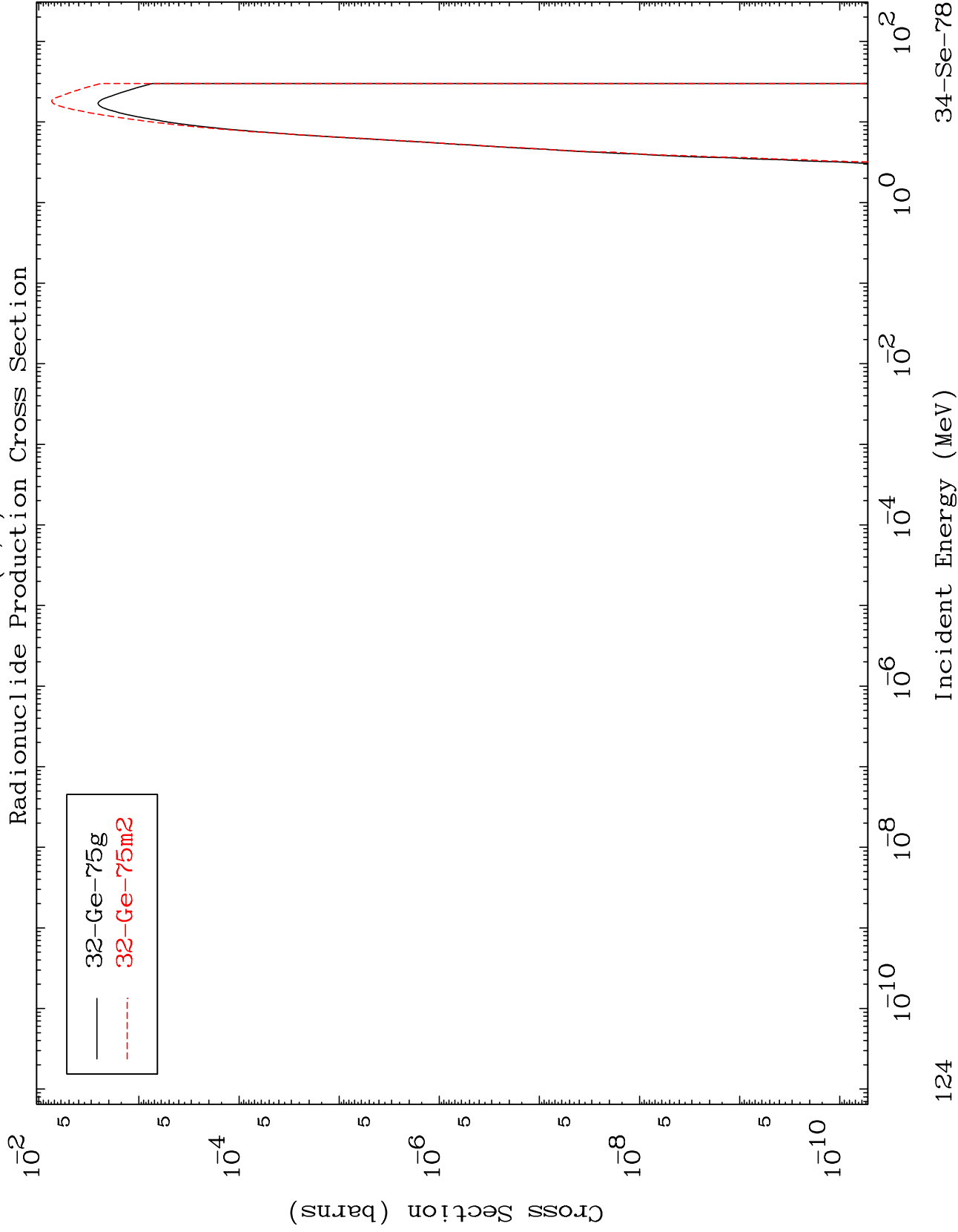
(n,γ)



MAT 3437

³⁴Se-78

(n,α)
Radionuclide Production Cross Section

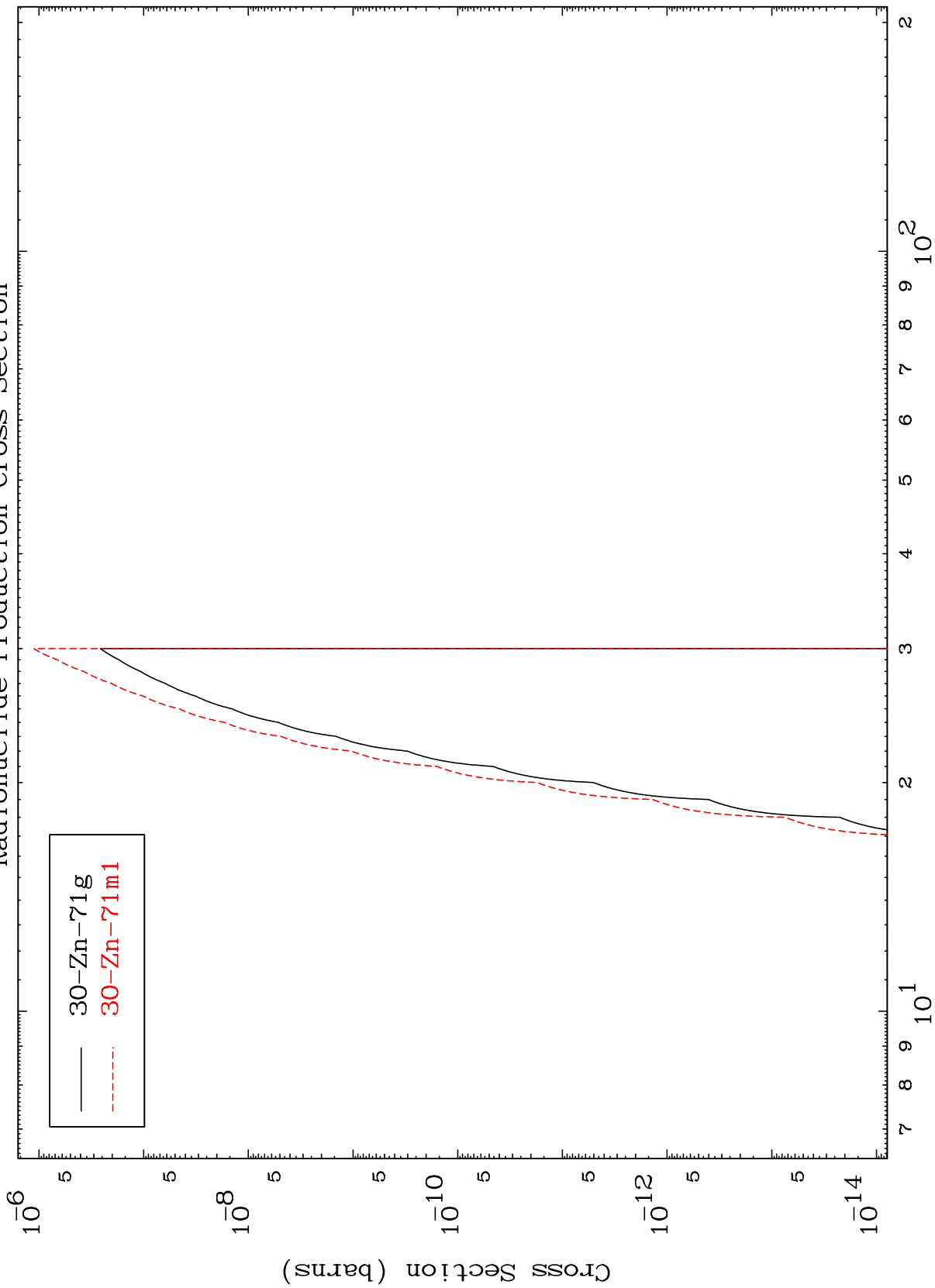


— 32-Ge-75g
- - - 32-Ge-75m2

MAT 3437

³⁴Se-78

Radionuclide Production Cross Section
(n,2α)



125

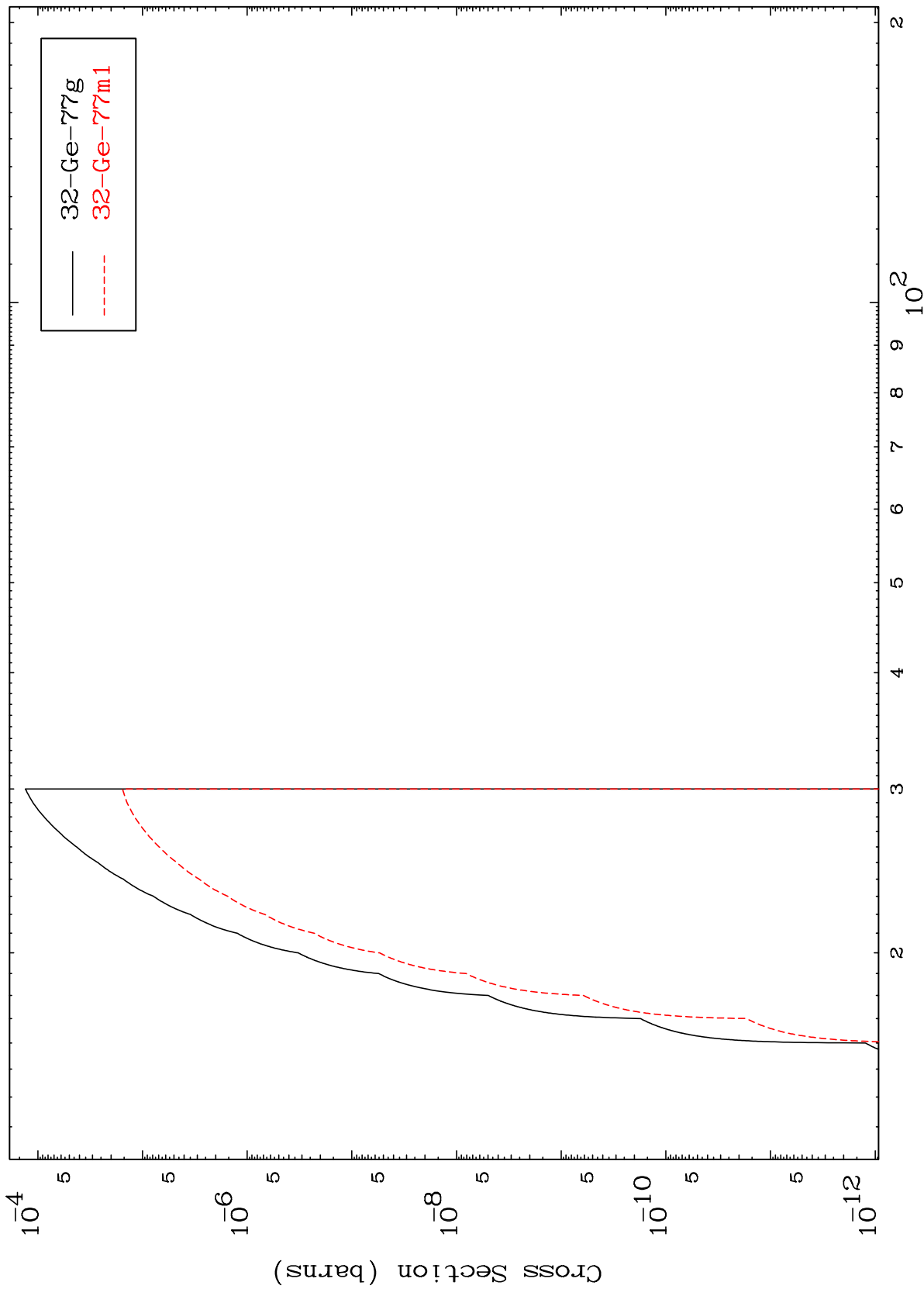
Incident Energy (MeV)

³⁴Se-78

MAT 3437

³⁴Se-78

(n,2p)
Radionuclide Production Cross Section



126

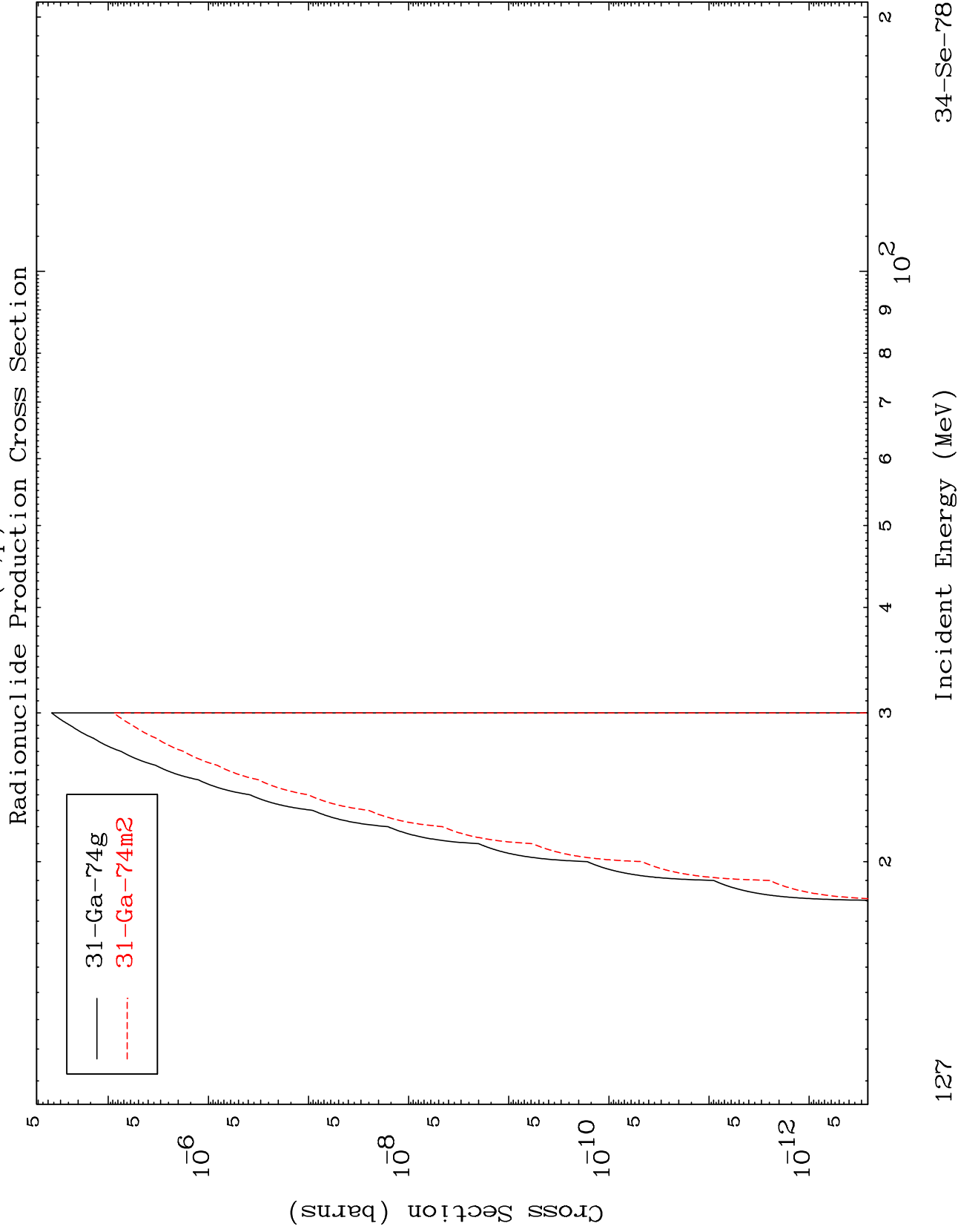
Incident Energy (MeV)

³⁴Se-78

MAT 3437

(n,p) α

³⁴Se-78

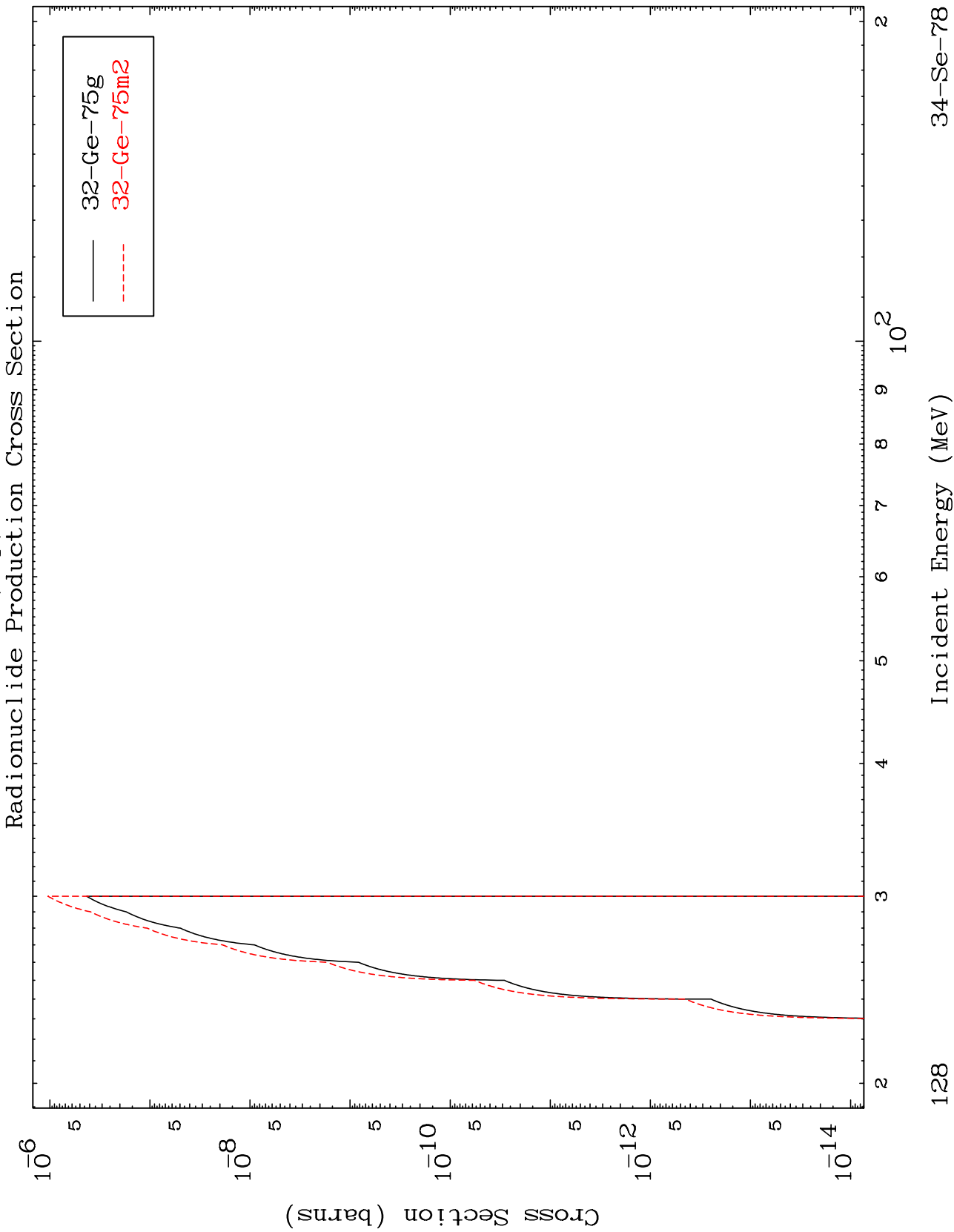


127

MAT 3437

(n,p) t

34-⁷⁸Se



128

Incident Energy (MeV)

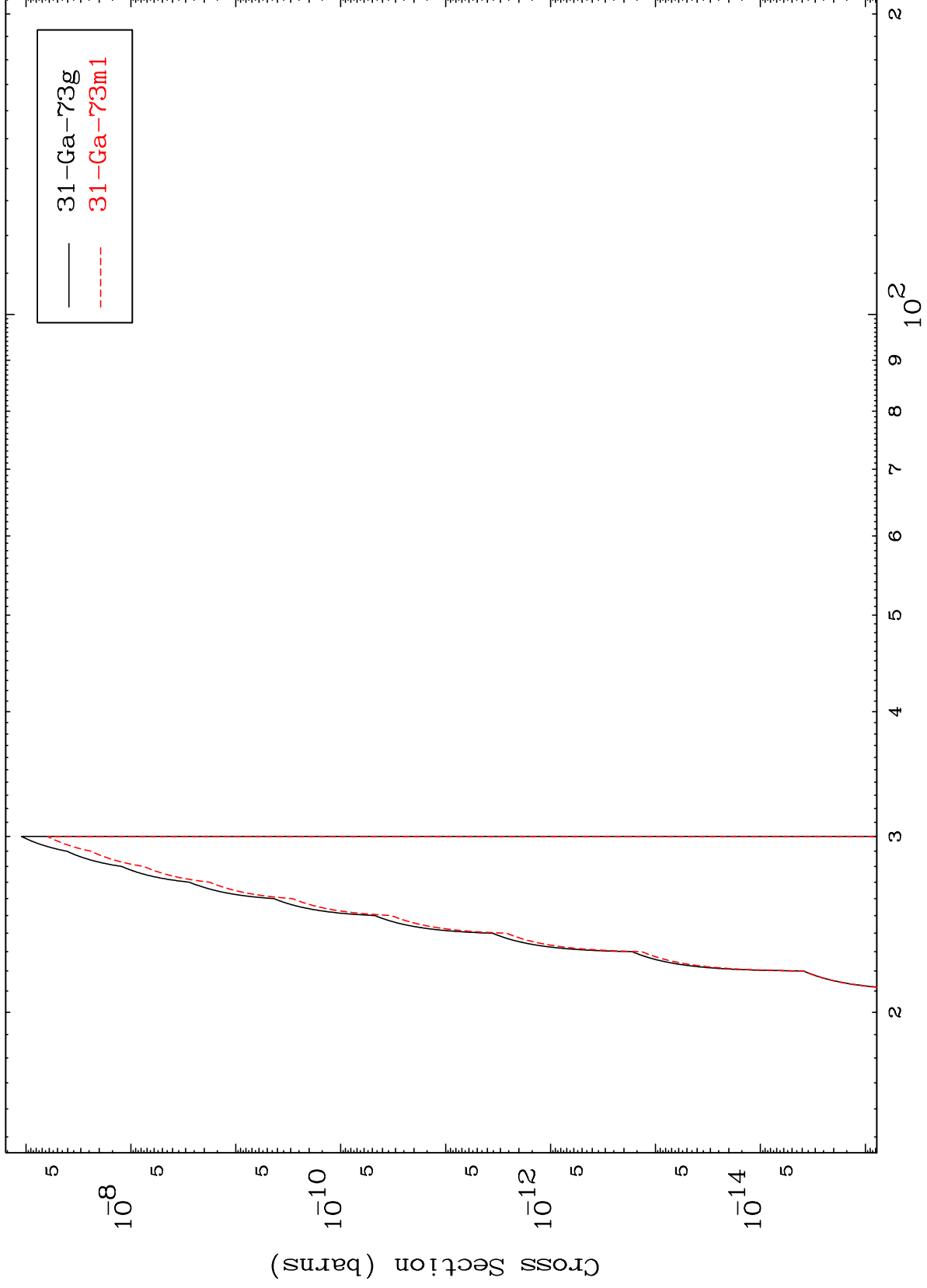
34-⁷⁸Se

MAT 3437

(n,d) α

$^{34}\text{Se-78}$

Radionuclide Production Cross Section



129

Incident Energy (MeV)

$^{34}\text{Se-78}$