

Program EVALPLOT  
(Version 2021-1)

by

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(Present Contact Information)

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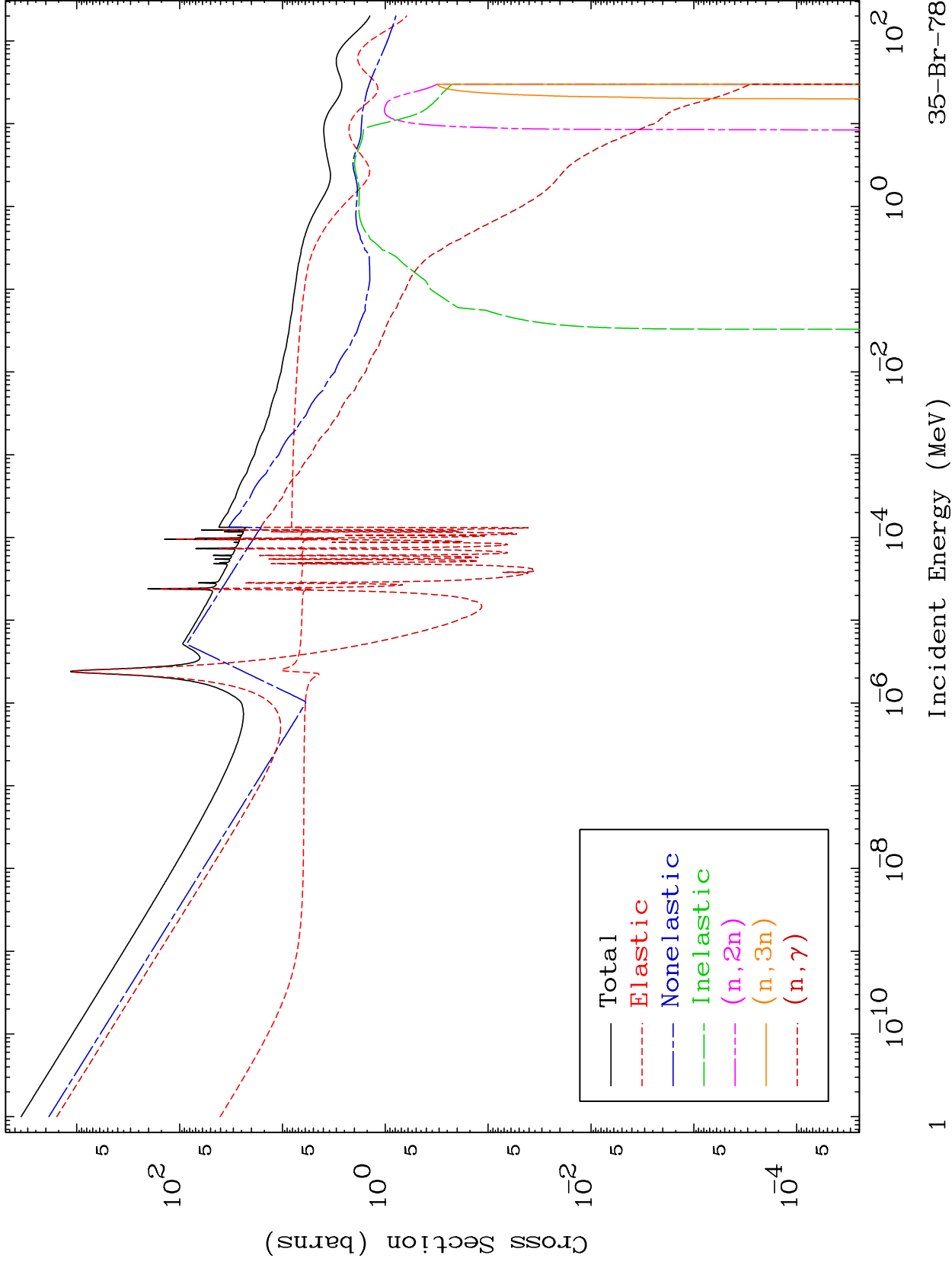
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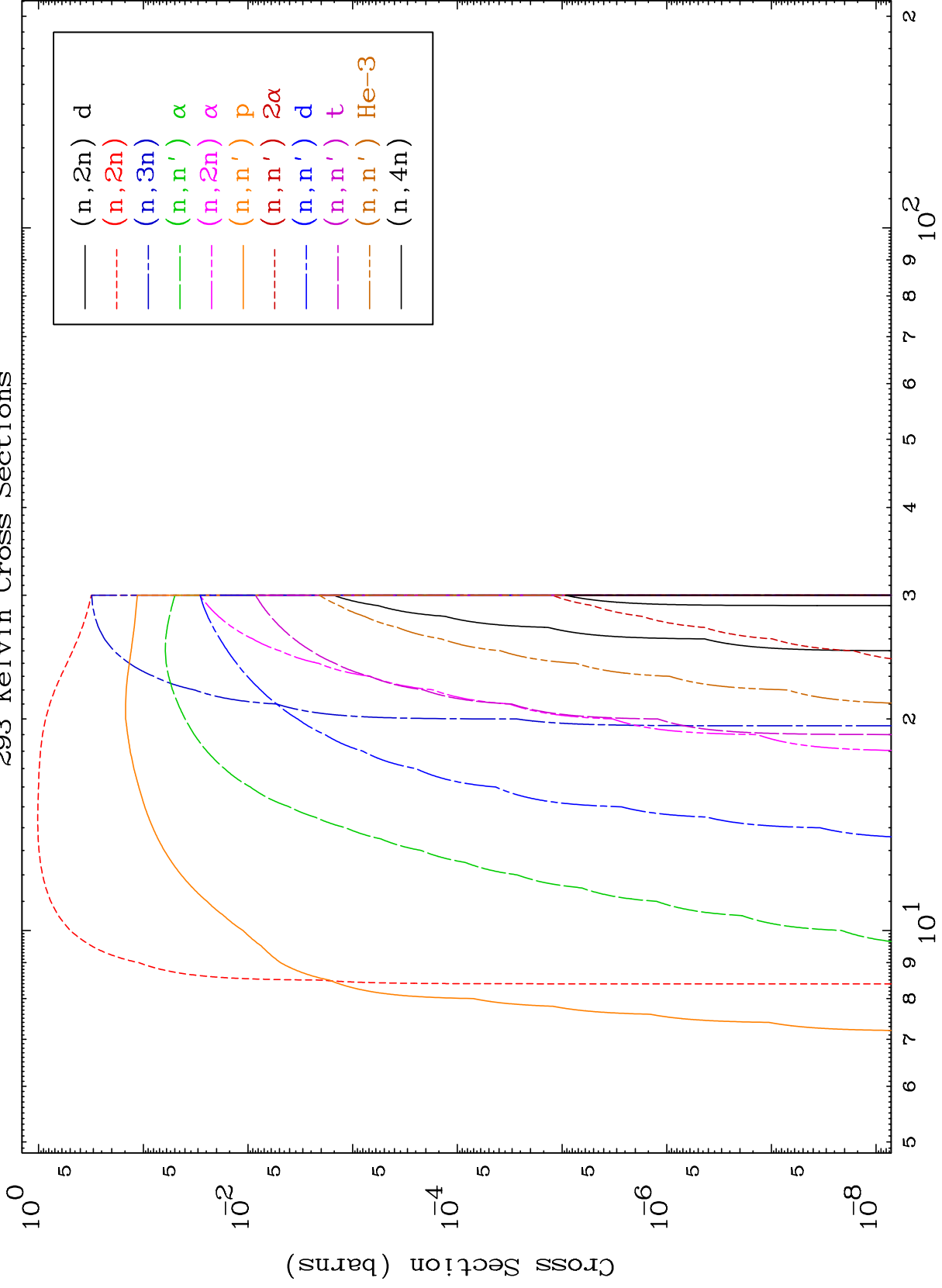
Press Mouse Button to Start

MAT 3522

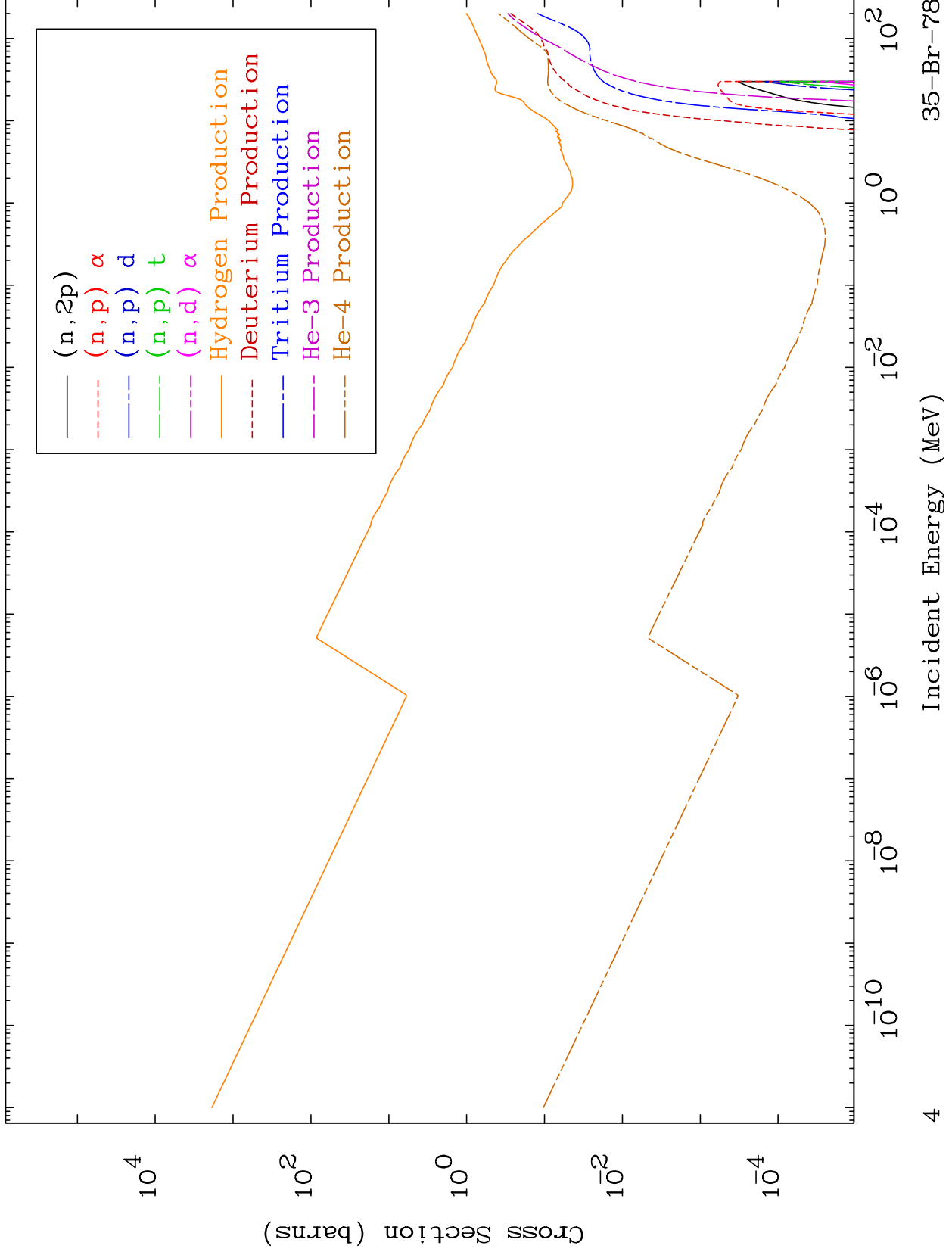
Neutron Major  
293 Kelvin Cross Sections

35-Br-78





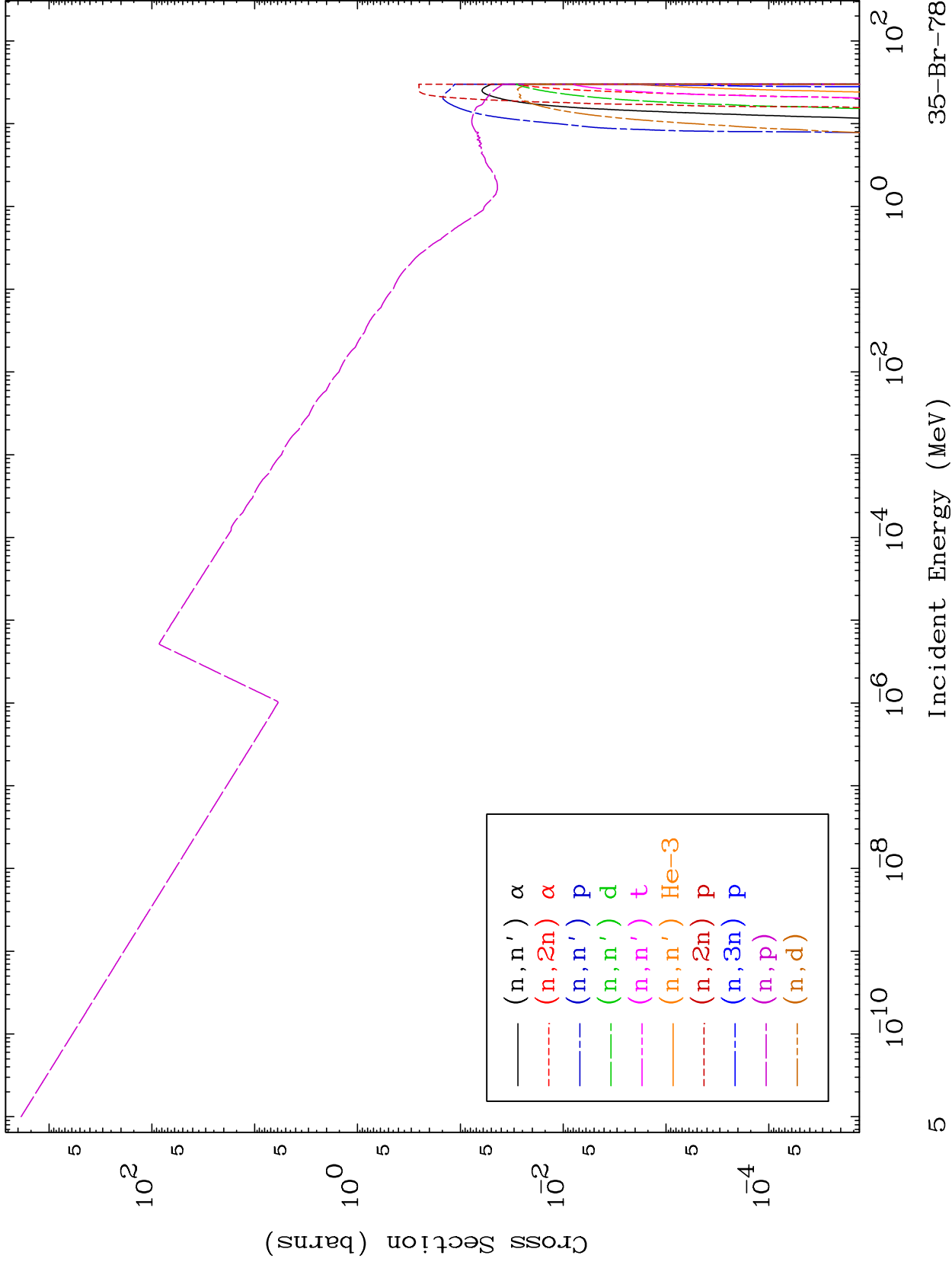




MAT 3522

Charged Particle  
293 Kelvin Cross Sections

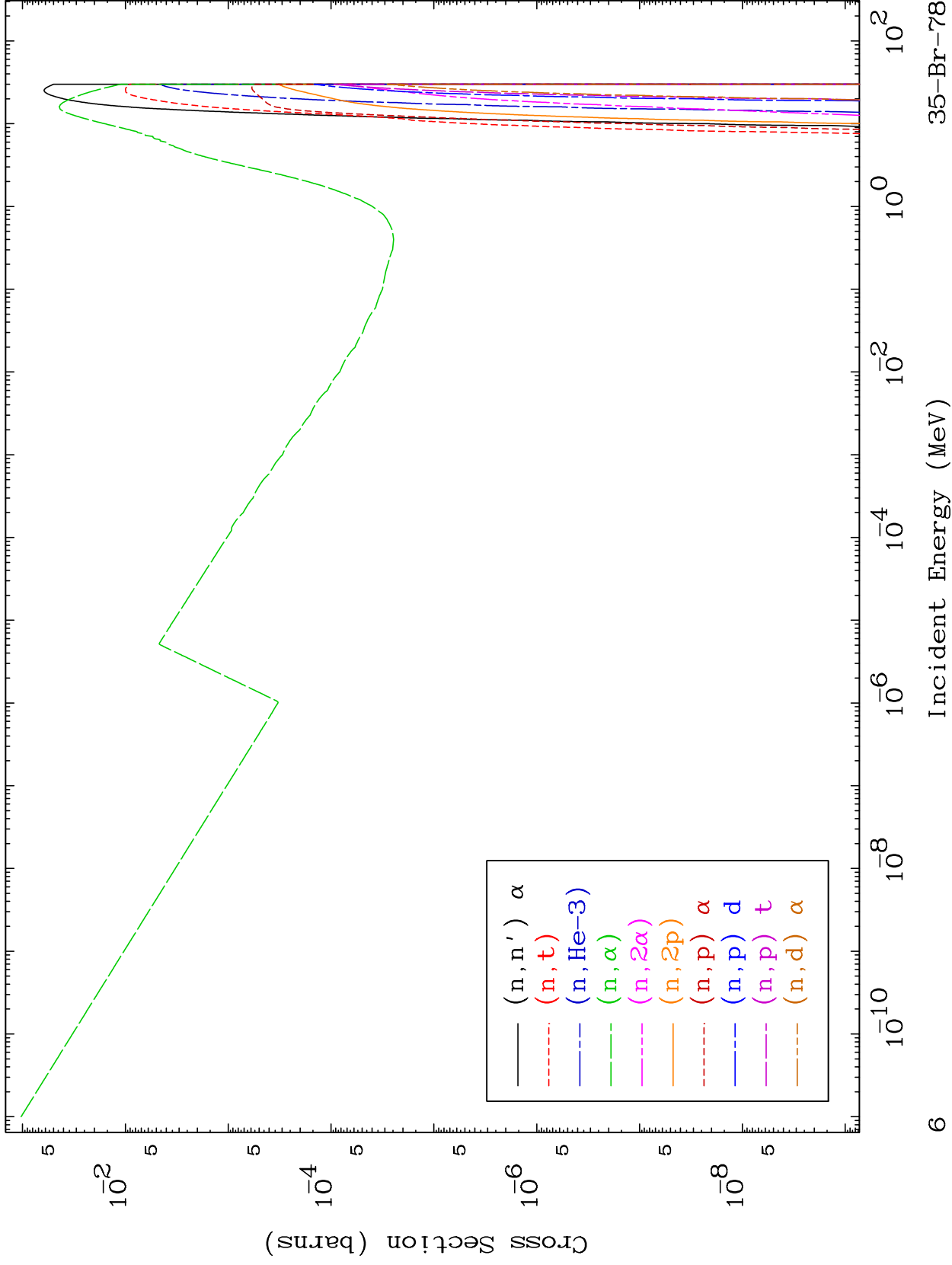
35-Br-78



MAT 3522

Charged Particle  
293 Kelvin Cross Sections

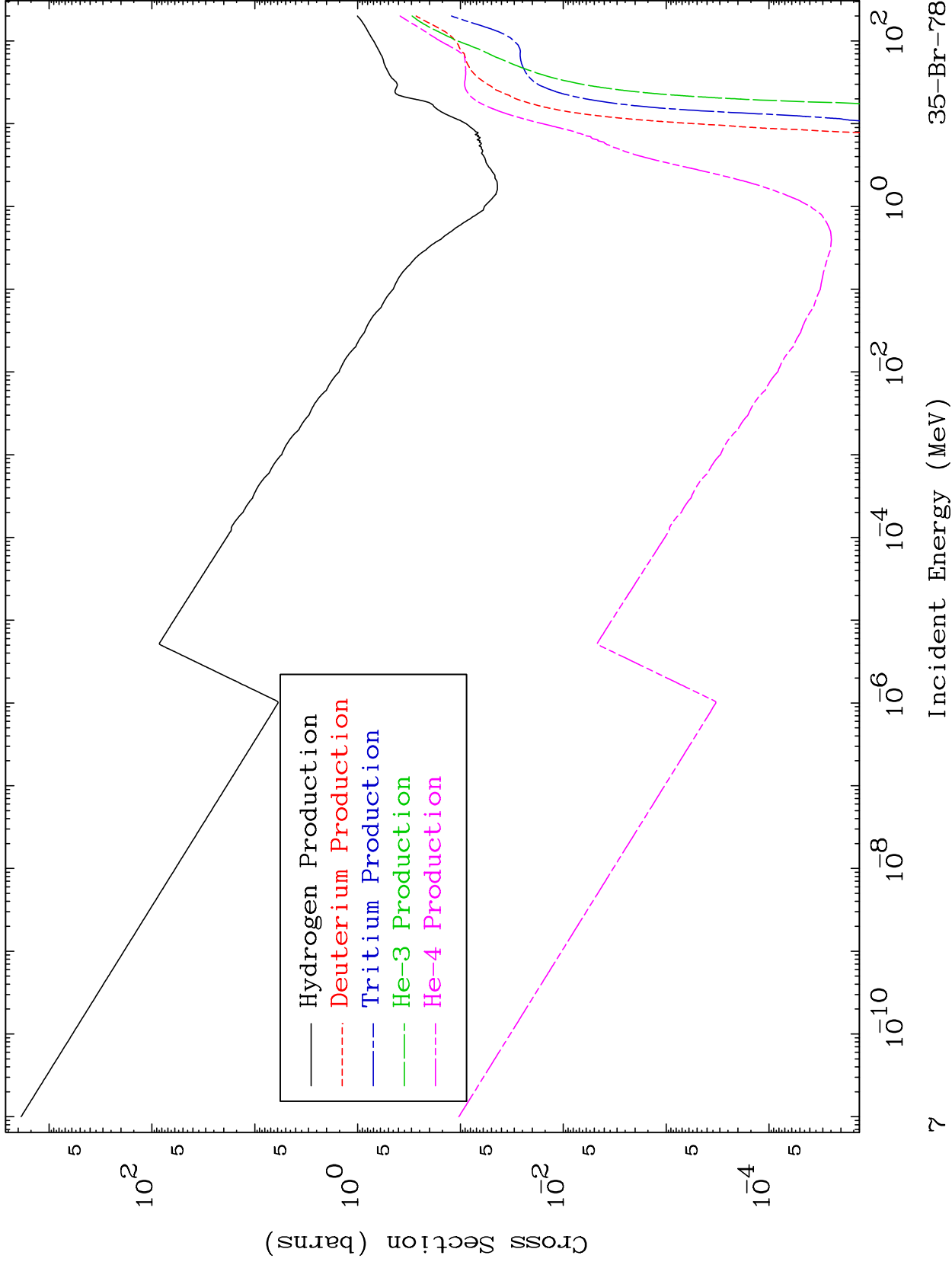
35-Br-78

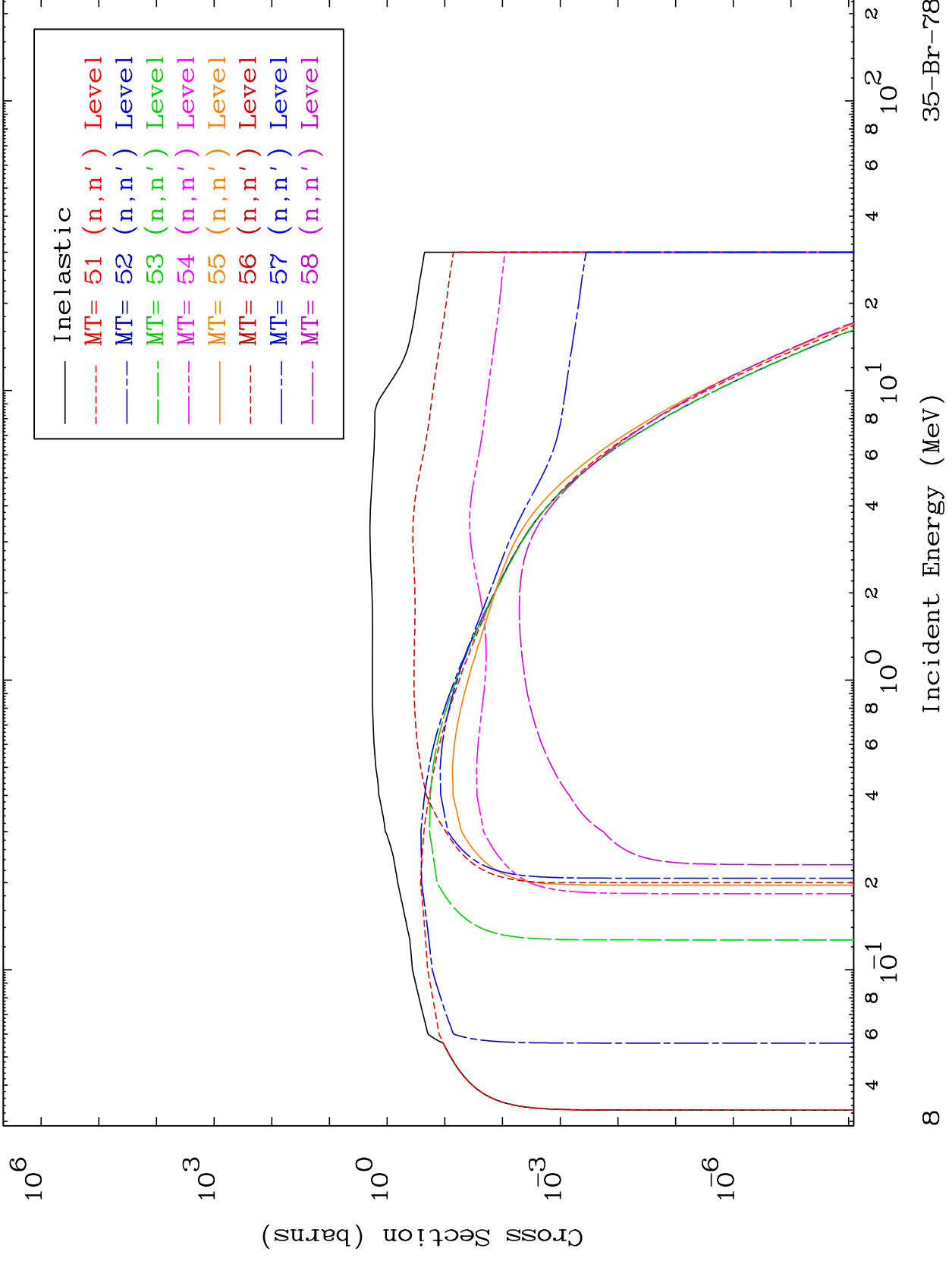


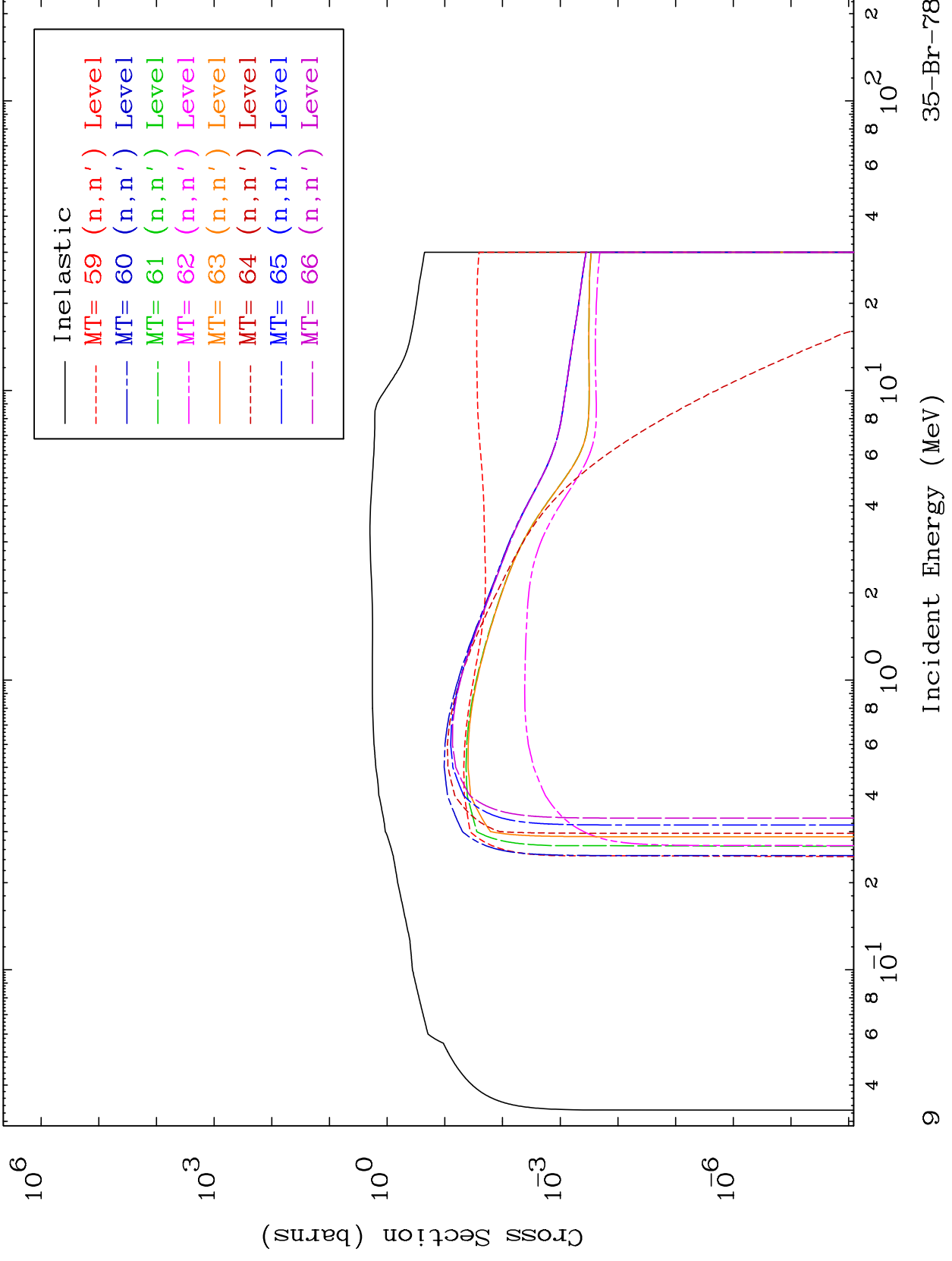
MAT 3522

Particle Production  
293 Kelvin Cross Sections

35-Br-78



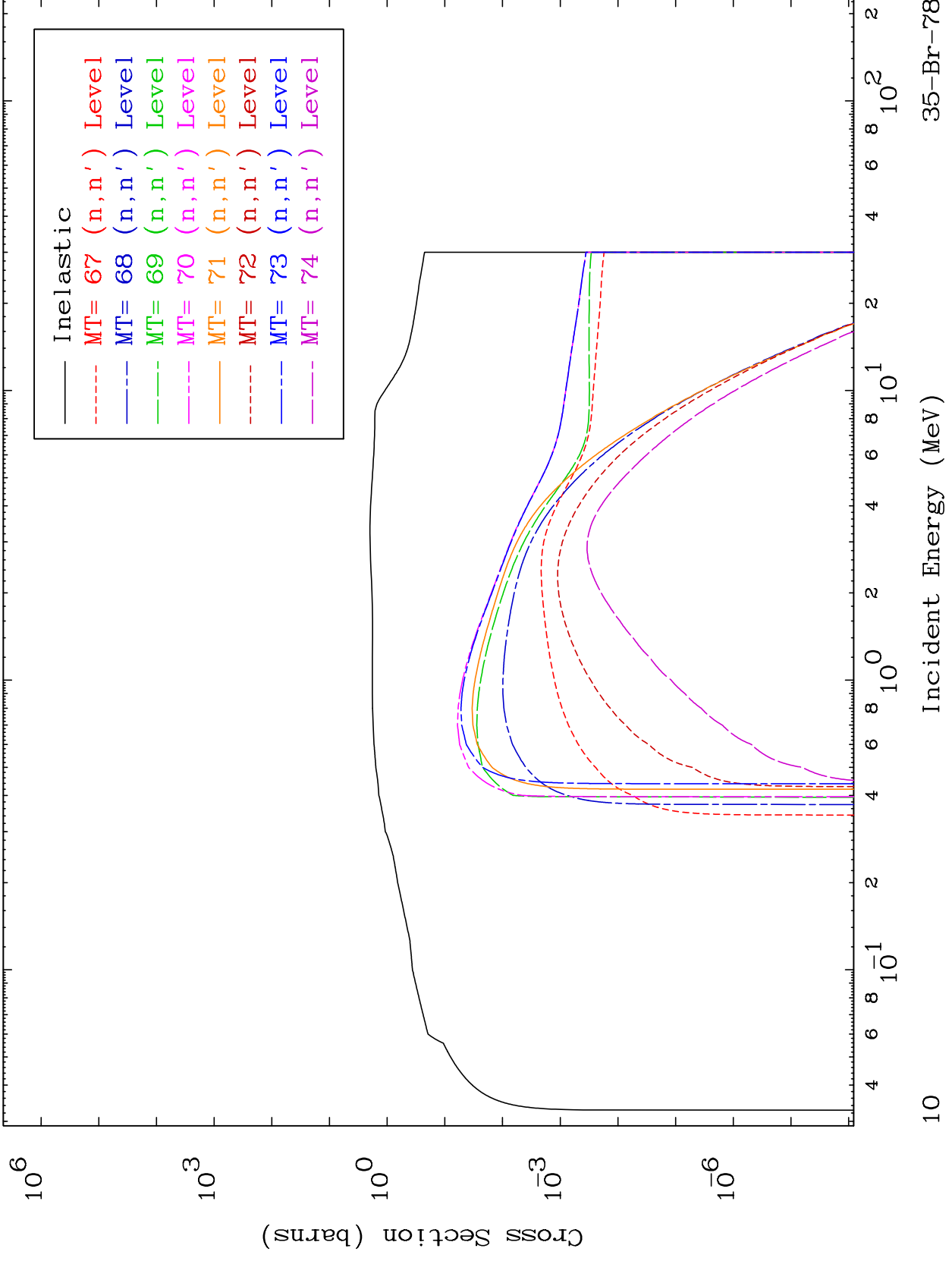




MAT 3522

(n,n') Levels  
293 Kelvin Cross Sections

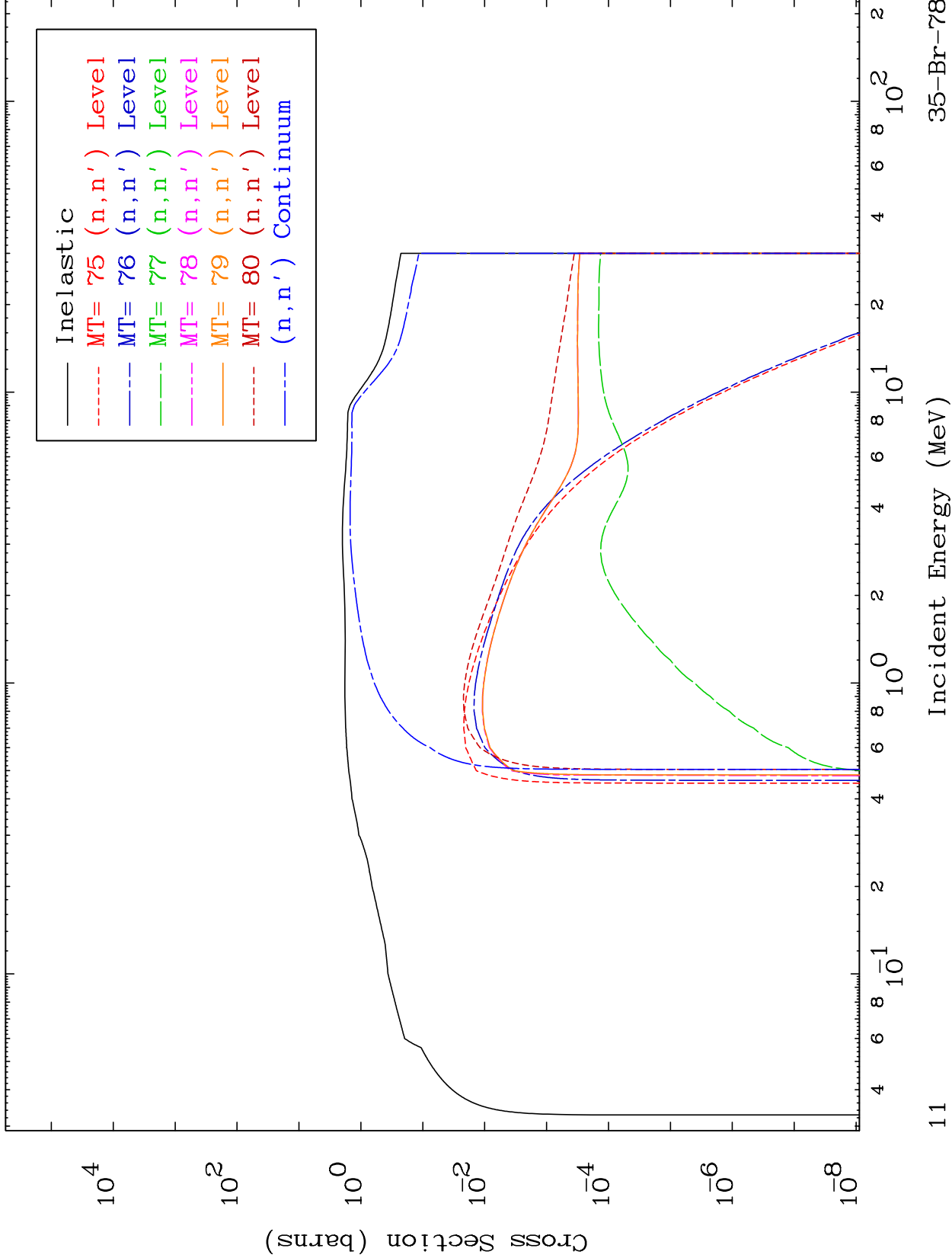
35-Br-78



10

Incident Energy (MeV)

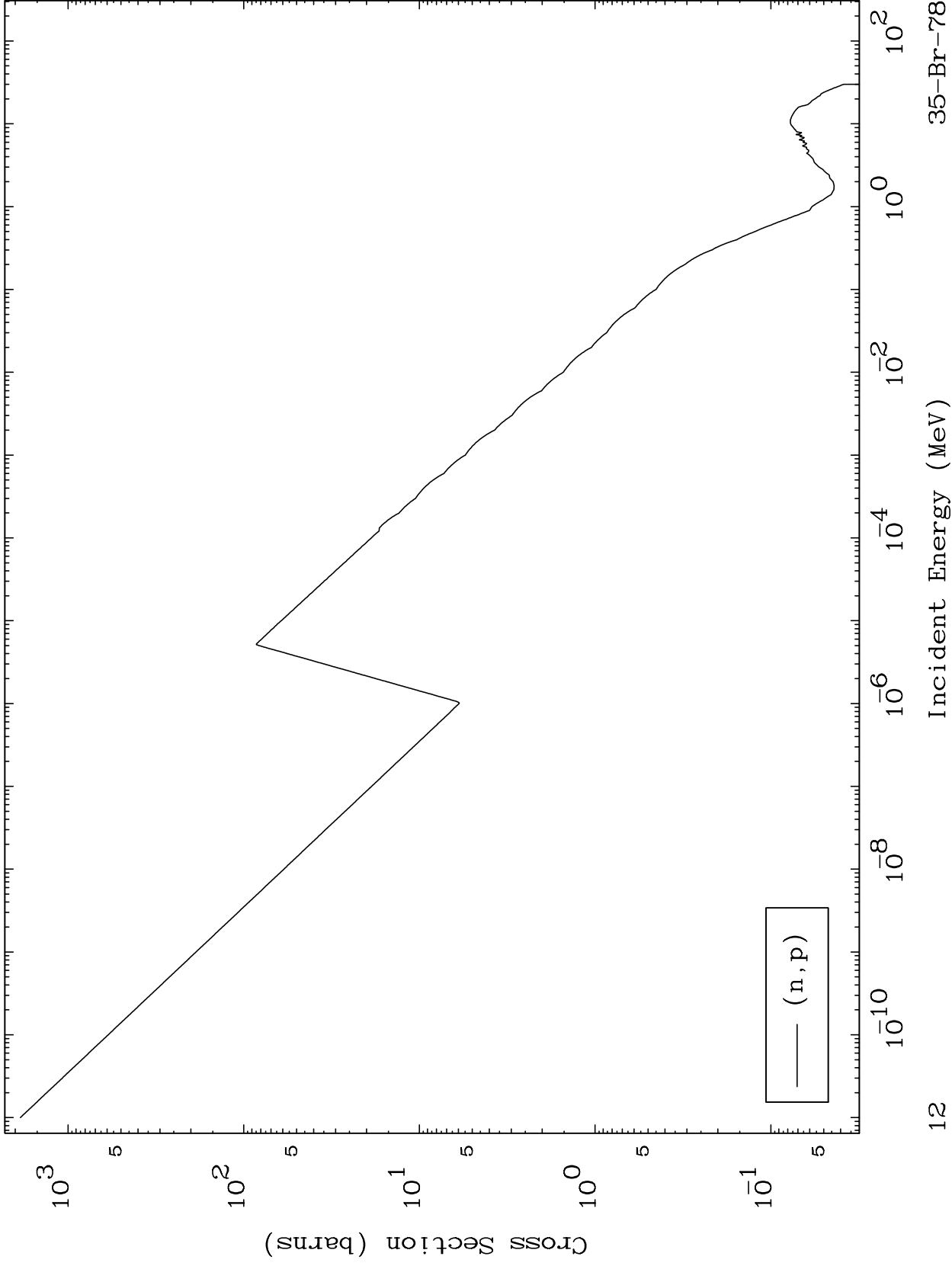
35-Br-78



MAT 3522

(n,p) Levels  
293 Kelvin Cross Sections

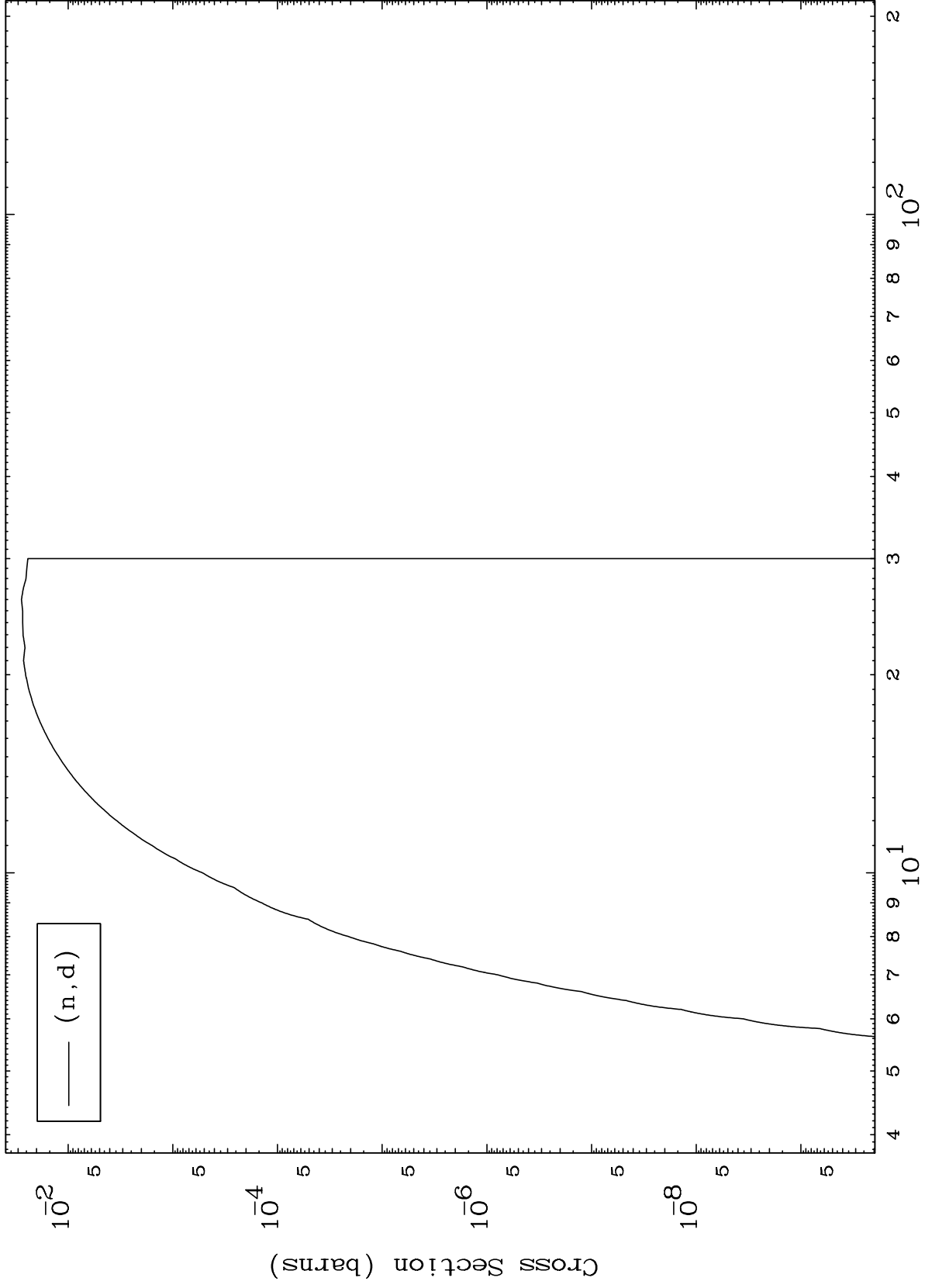
35-Br-78



MAT 3522

(n,d) Levels  
293 Kelvin Cross Sections

35-Br-78



13

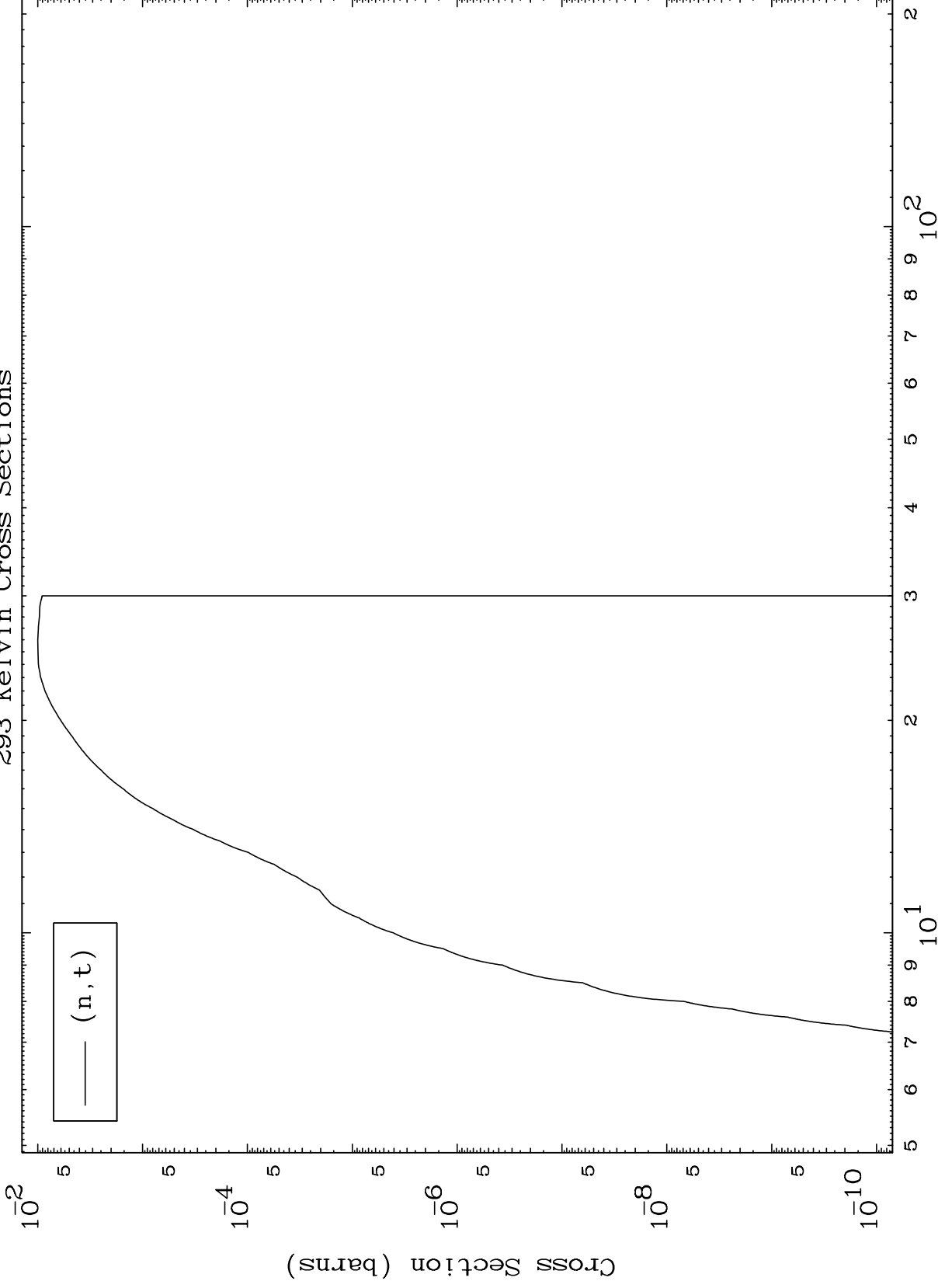
Incident Energy (MeV)

35-Br-78

MAT 3522

(n,t) Levels  
293 Kelvin Cross Sections

35-Br-78



14

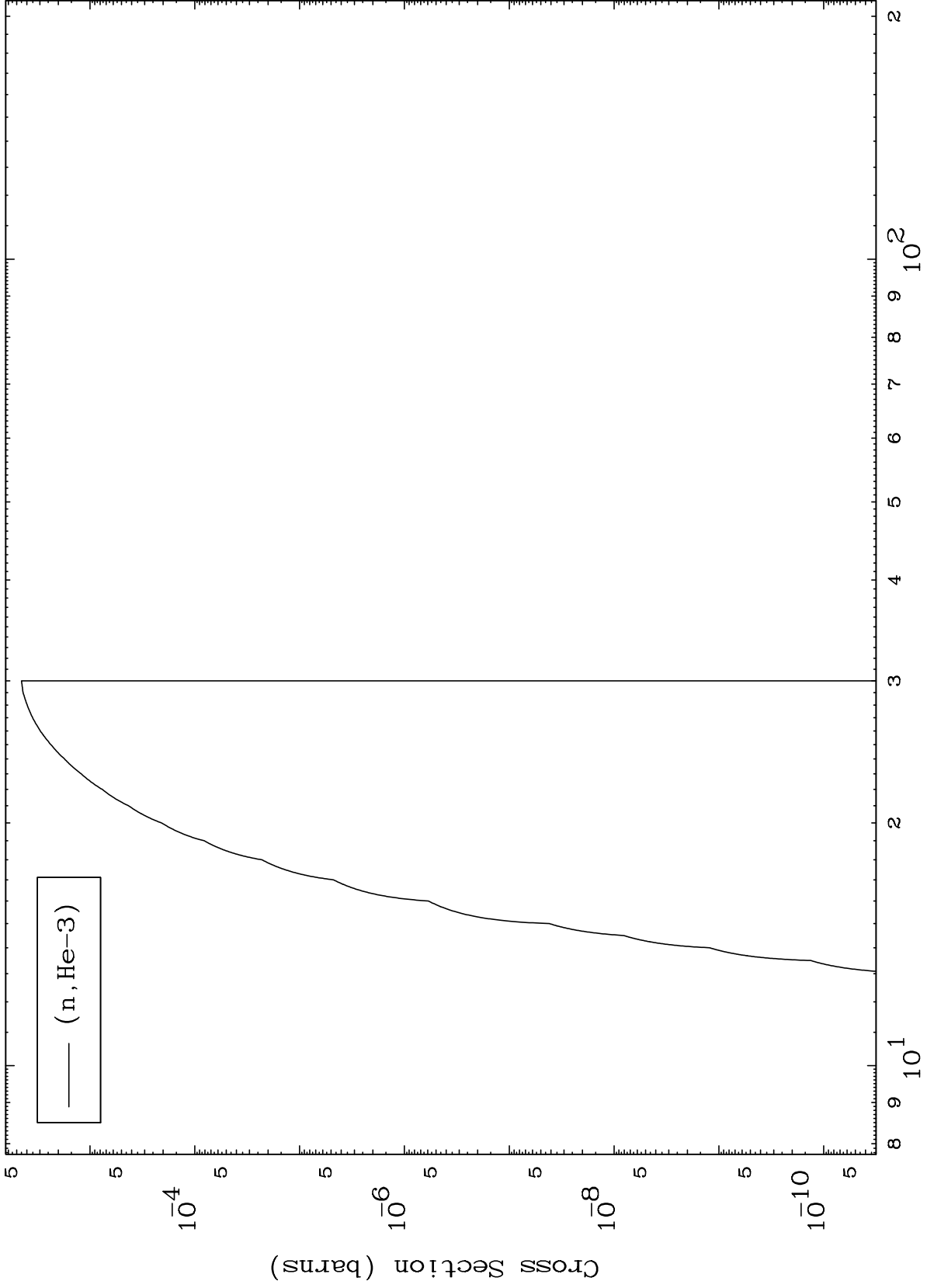
Incident Energy (MeV)

35-Br-78

MAT 3522

(n,He3) Levels  
293 Kelvin Cross Sections

35-Br-78



15

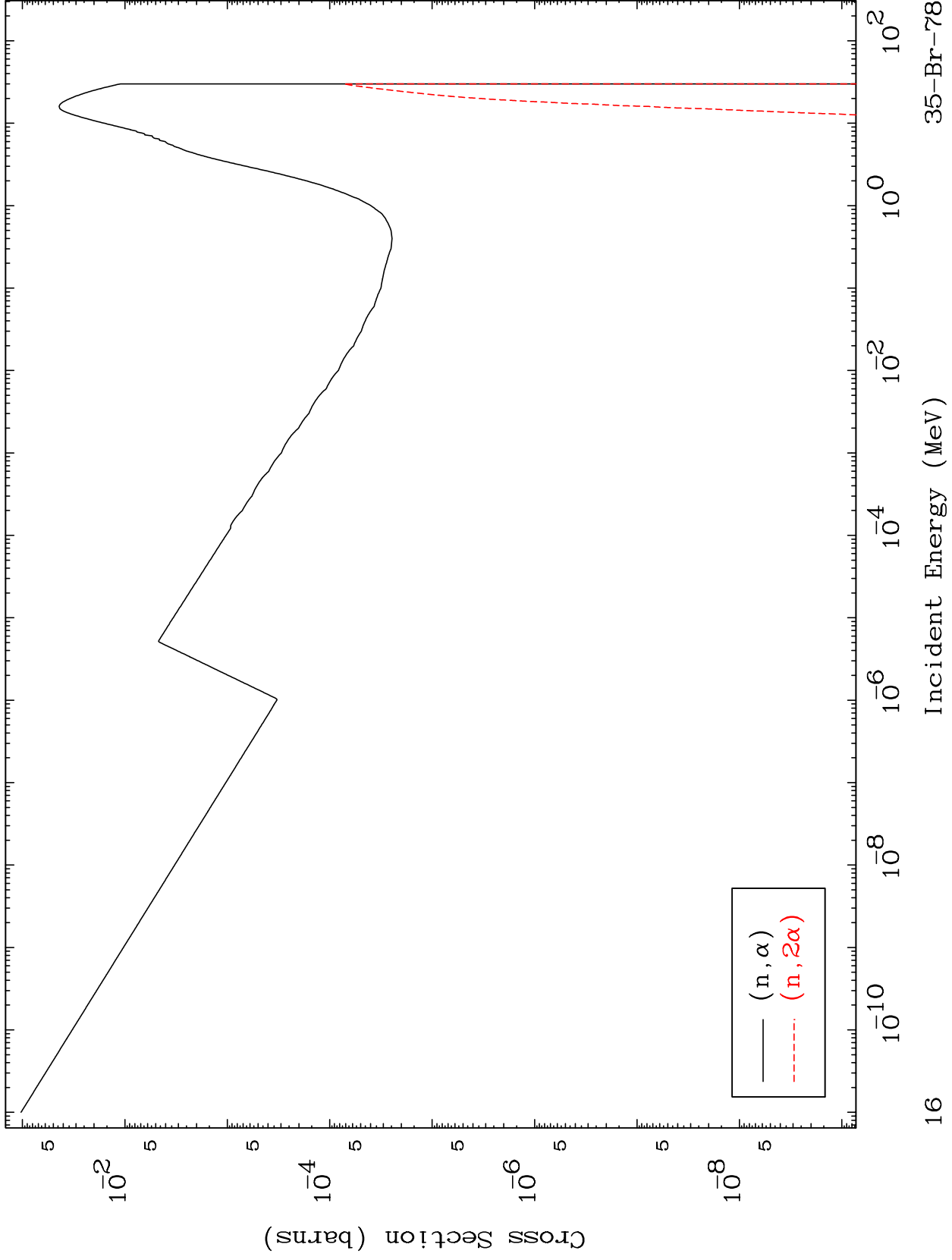
Incident Energy (MeV)

35-Br-78

MAT 3522

(n,α) Levels  
293 Kelvin Cross Sections

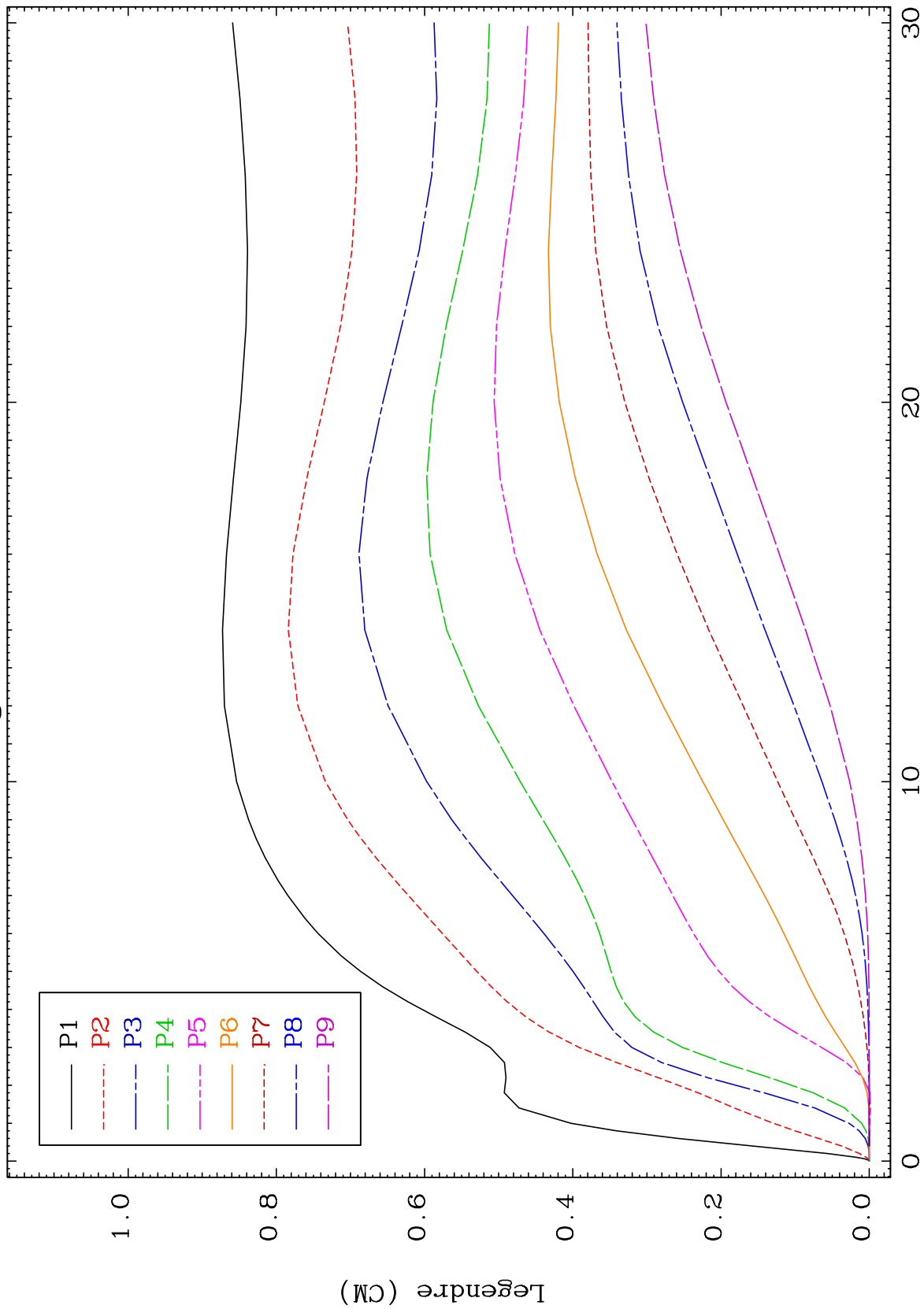
35-Br-78



MAT 3522

Elastic Legendre Coefficients

<sup>35</sup>Br-78



17

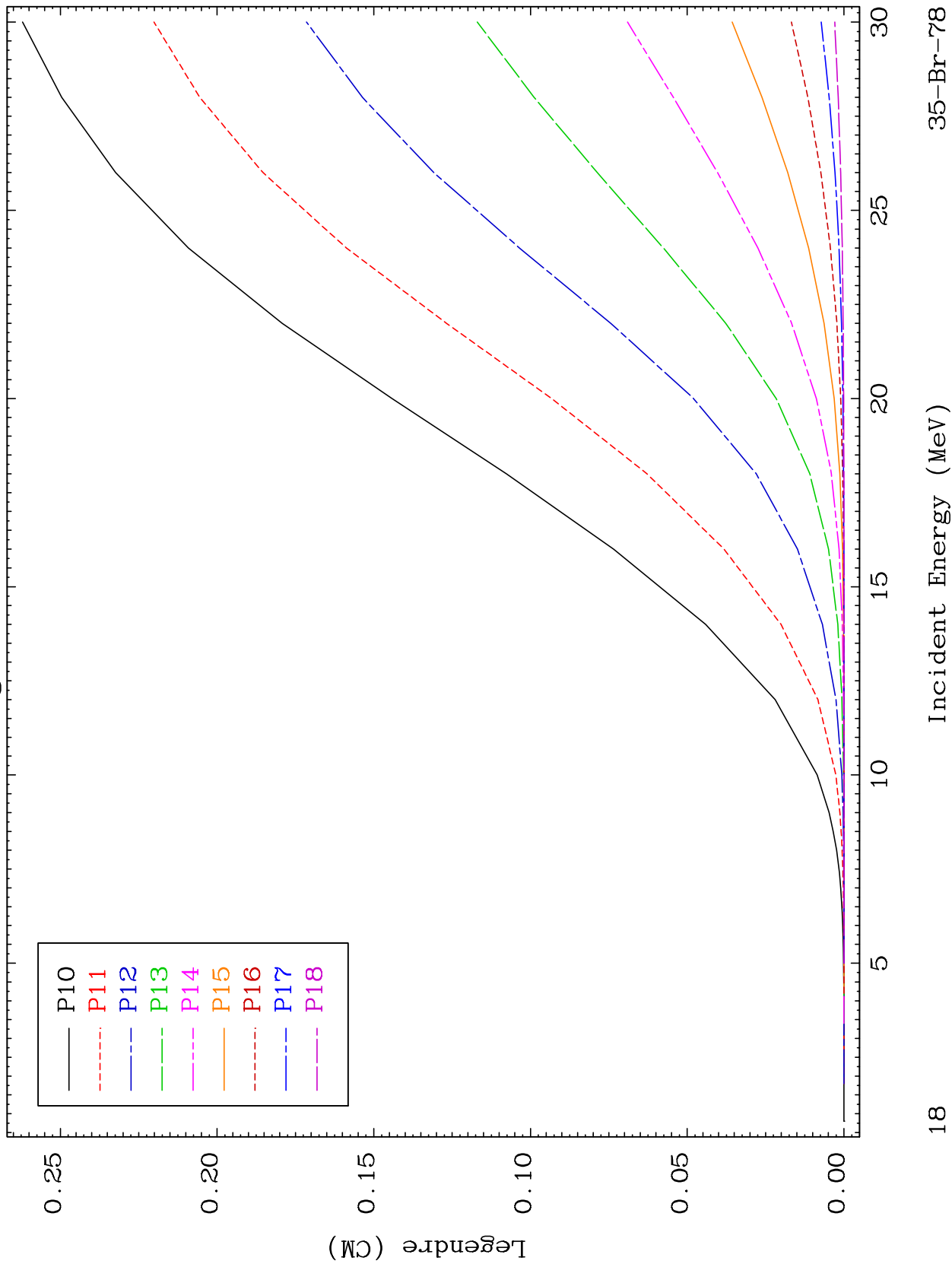
Incident Energy (MeV)

<sup>35</sup>Br-78

MAT 3522

### Elastic Legendre Coefficients

<sup>35</sup>Br-78



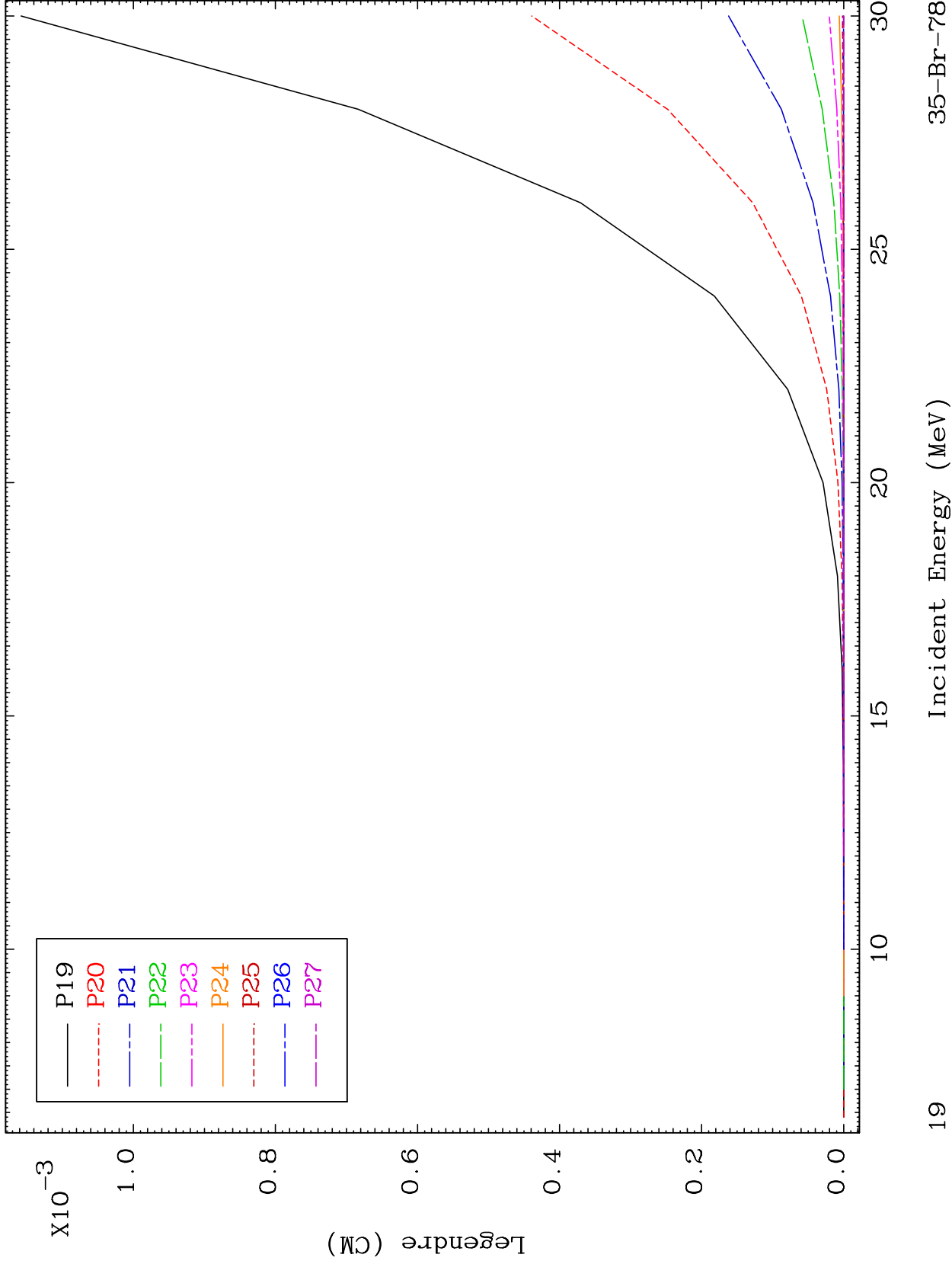
18

<sup>35</sup>Br-78

MAT 3522

### Elastic Legendre Coefficients

<sup>35</sup>Br-78



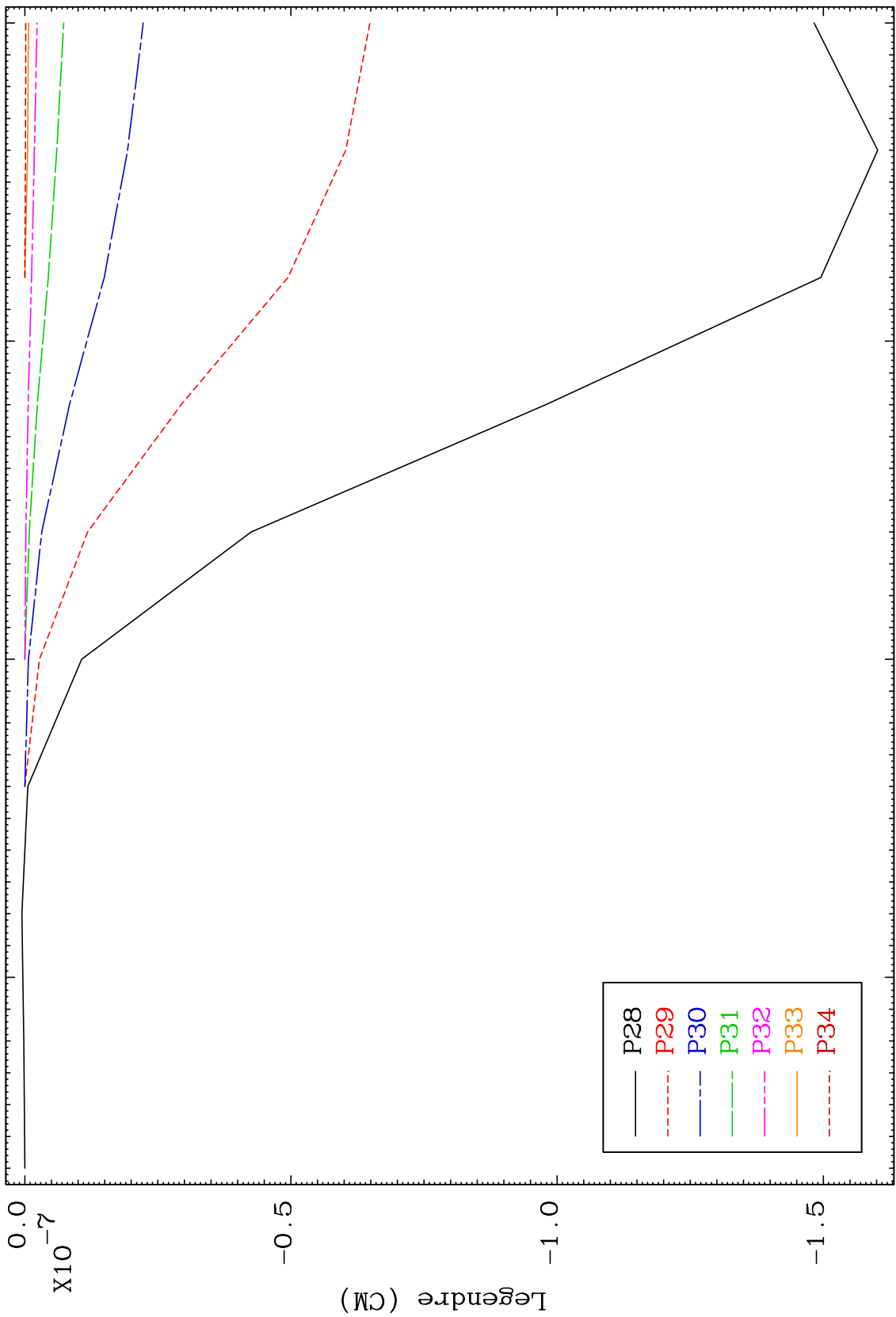
19

<sup>35</sup>Br-78

MAT 3522

35-Br-78

Elastic Legendre Coefficients



0.0

$\times 10^{-7}$

-0.5

-1.0

-1.5

Legendre (CM)

15

20

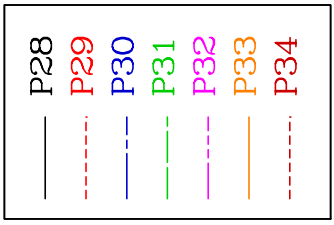
25

30

20

Incident Energy (MeV)

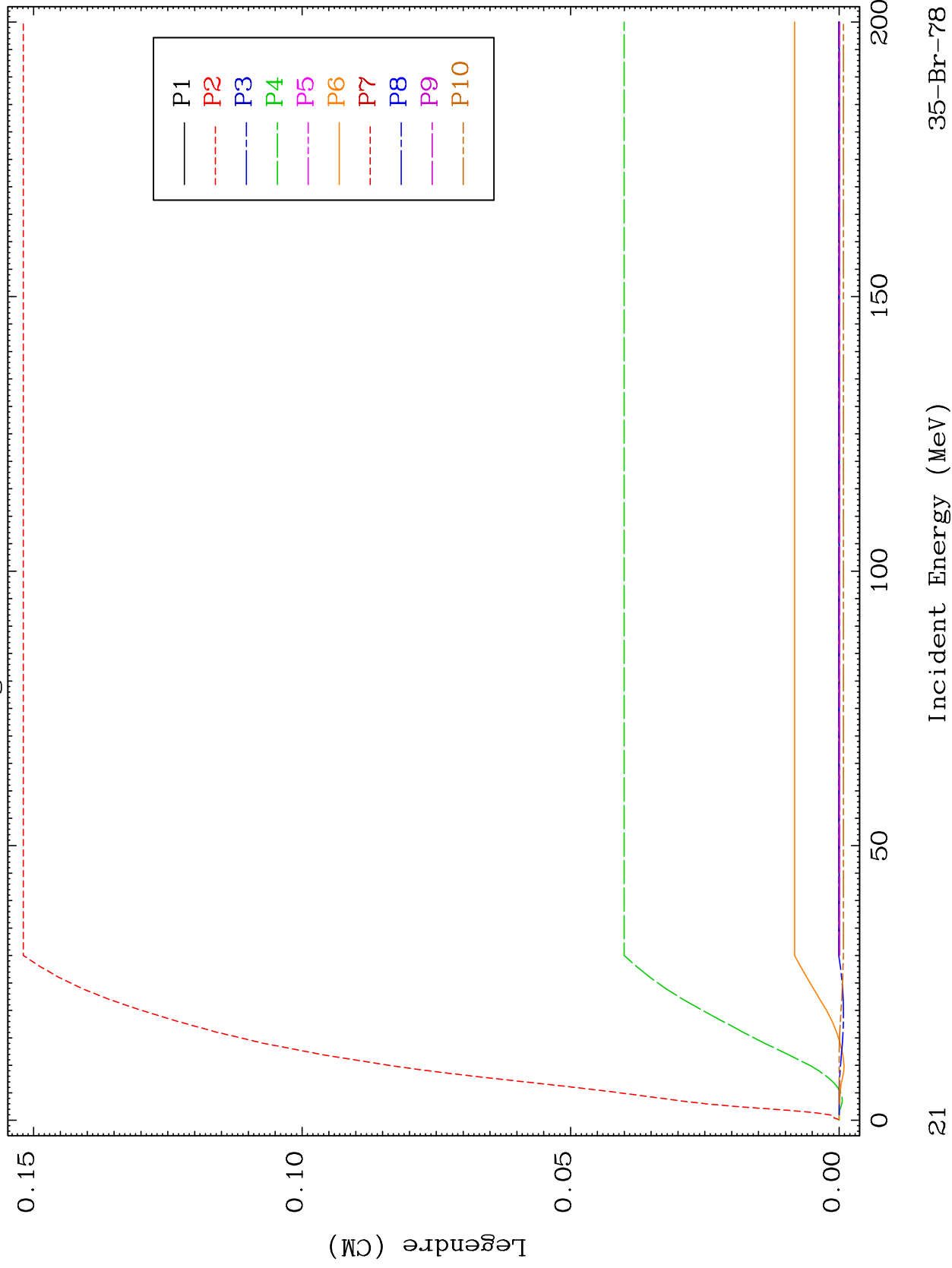
35-Br-78



MAT 3522

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

35-Br-78

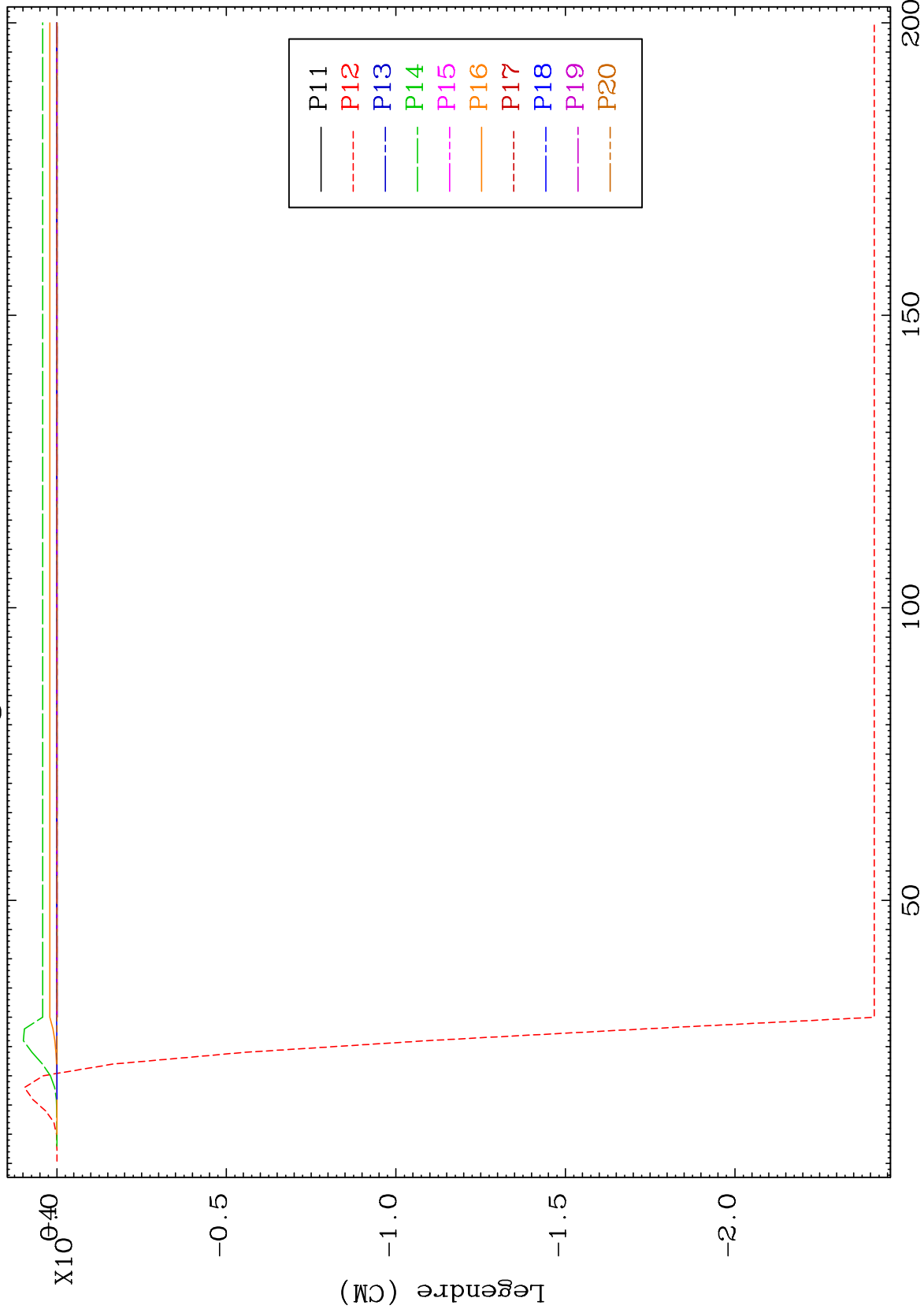


21

MAT 3522

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

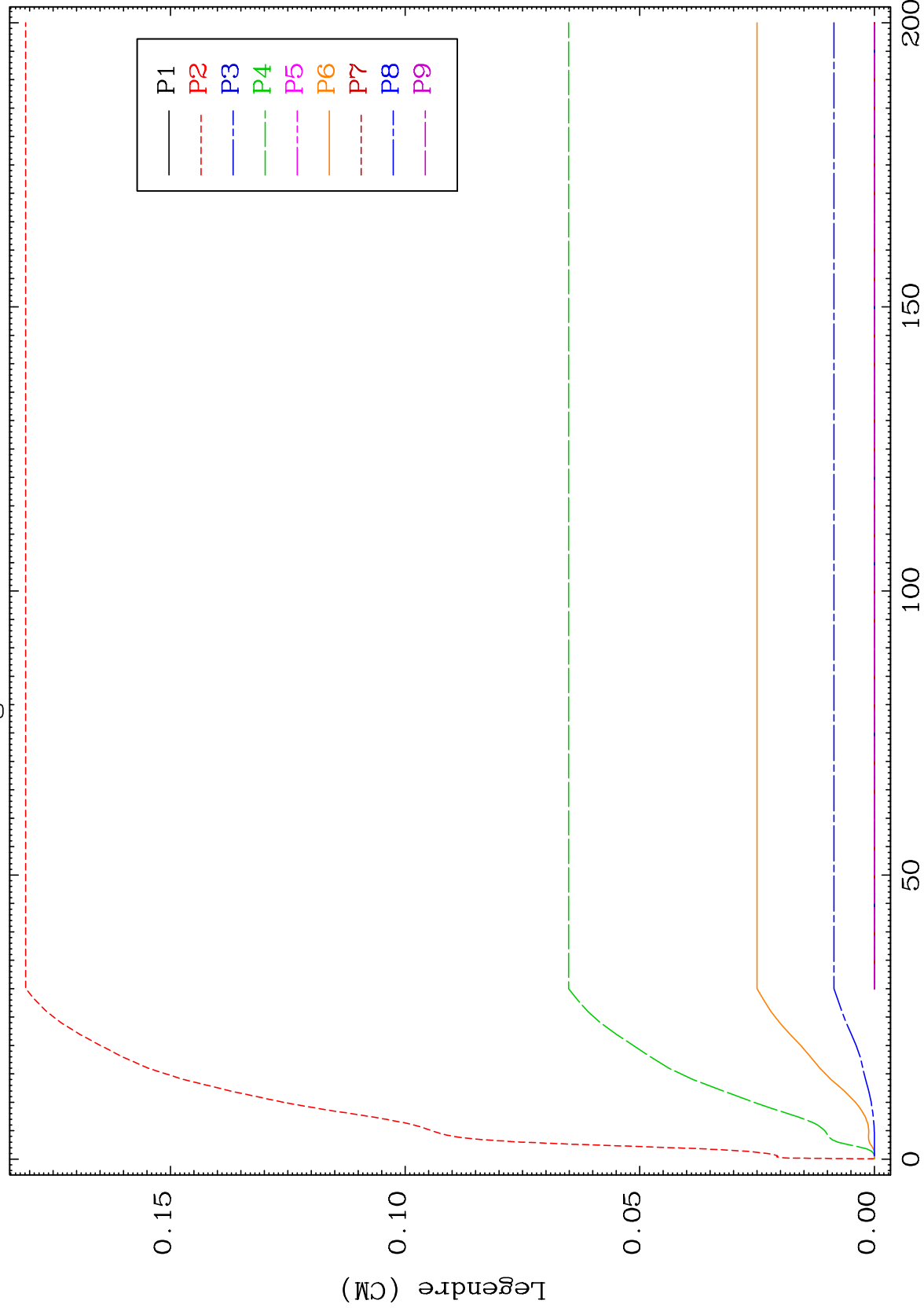
35-Br-78



MAT 3522

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

35-Br-78



23

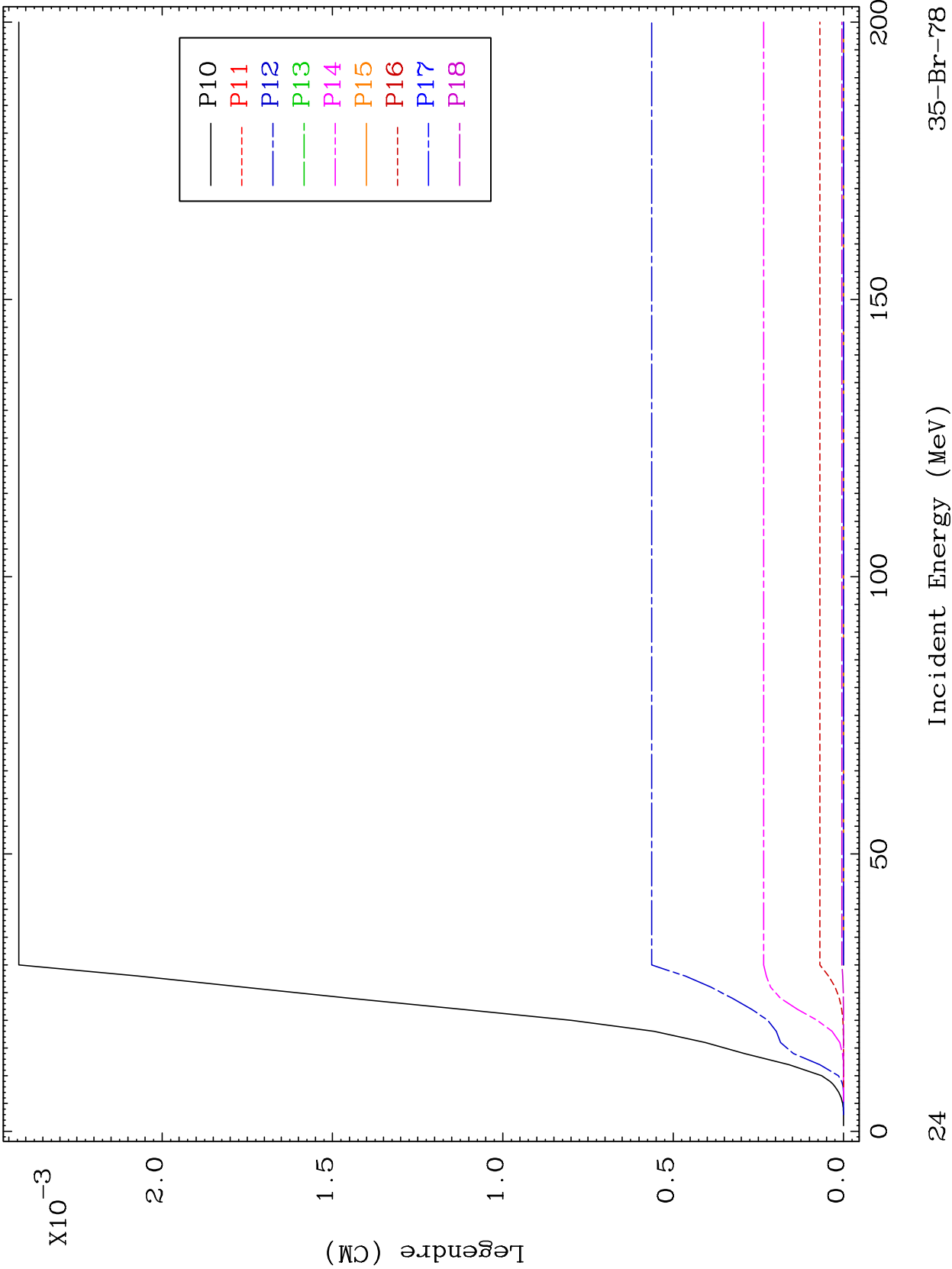
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



24

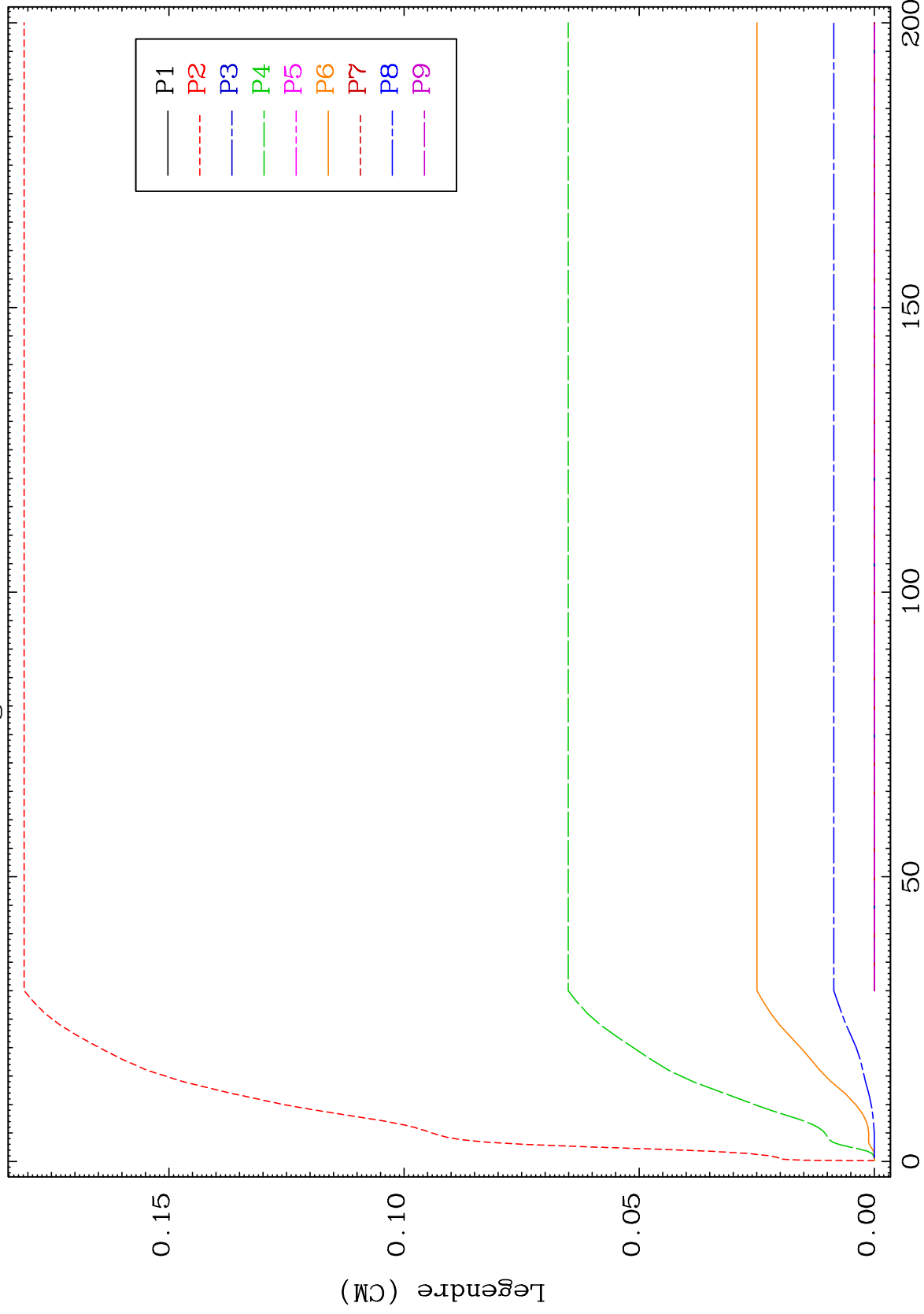
35-Br-78



MAT 3522

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

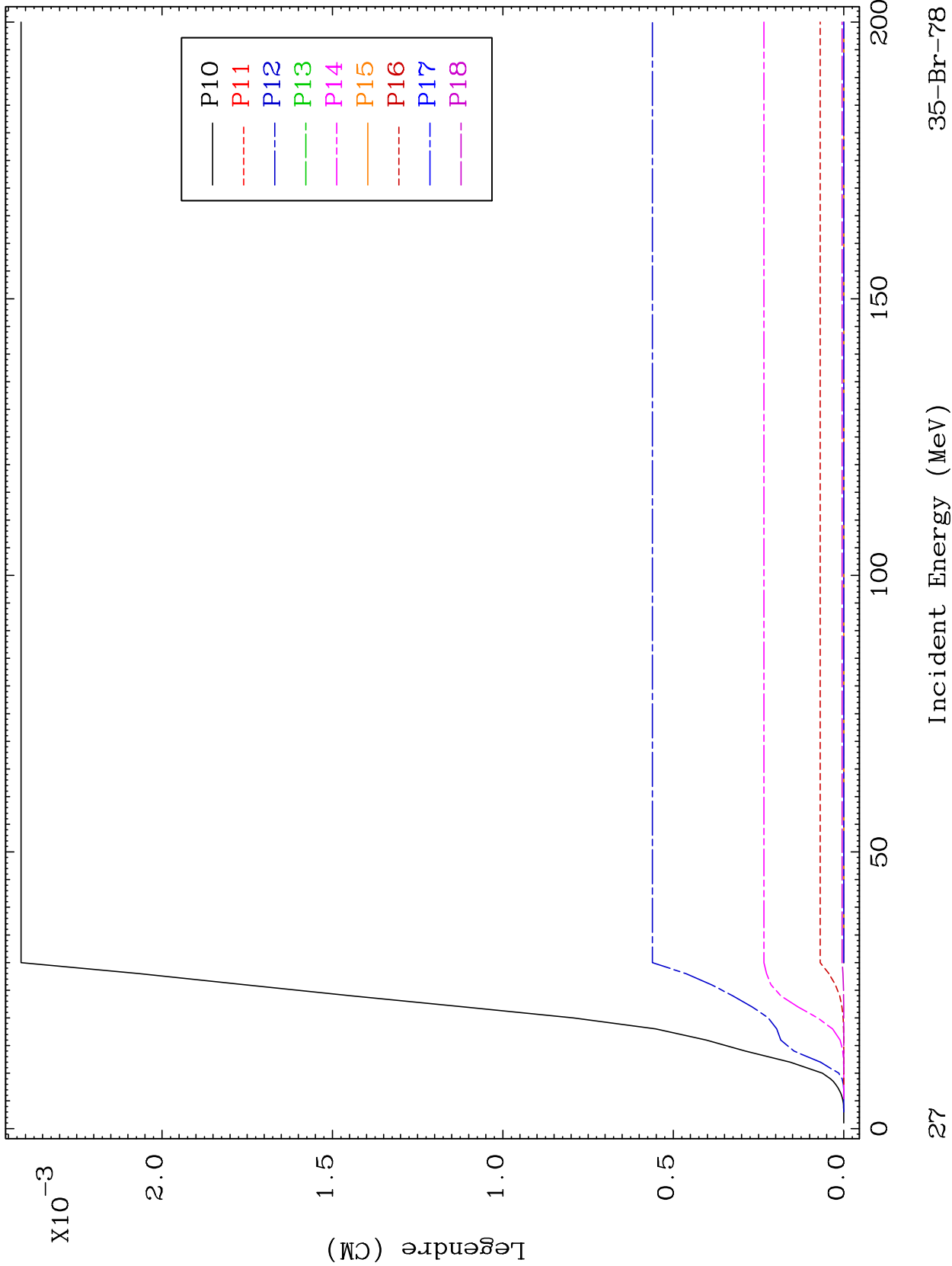
35-Br-78



26

Incident Energy (MeV)

35-Br-78

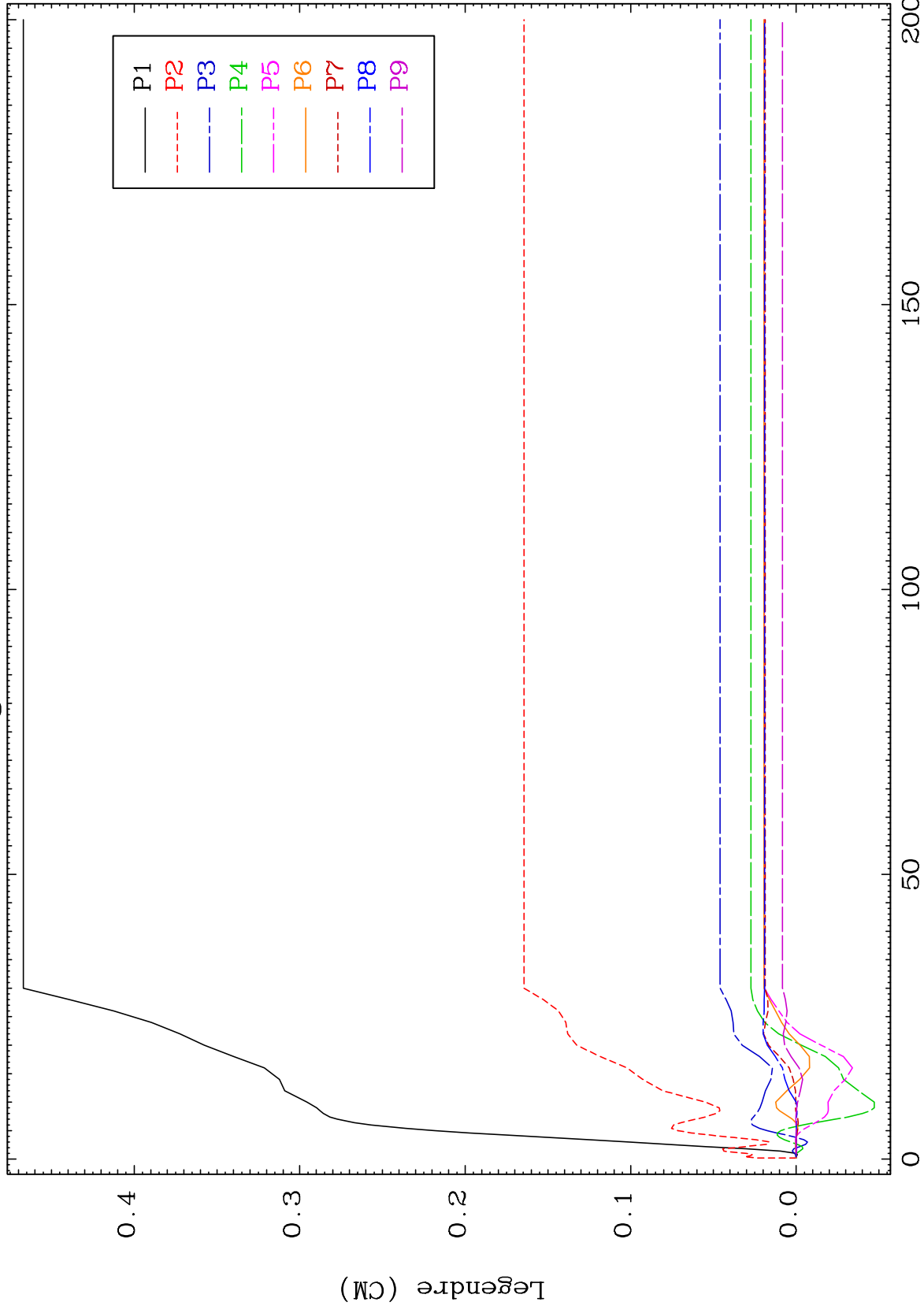




MAT 3522

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

35-Br-78



29

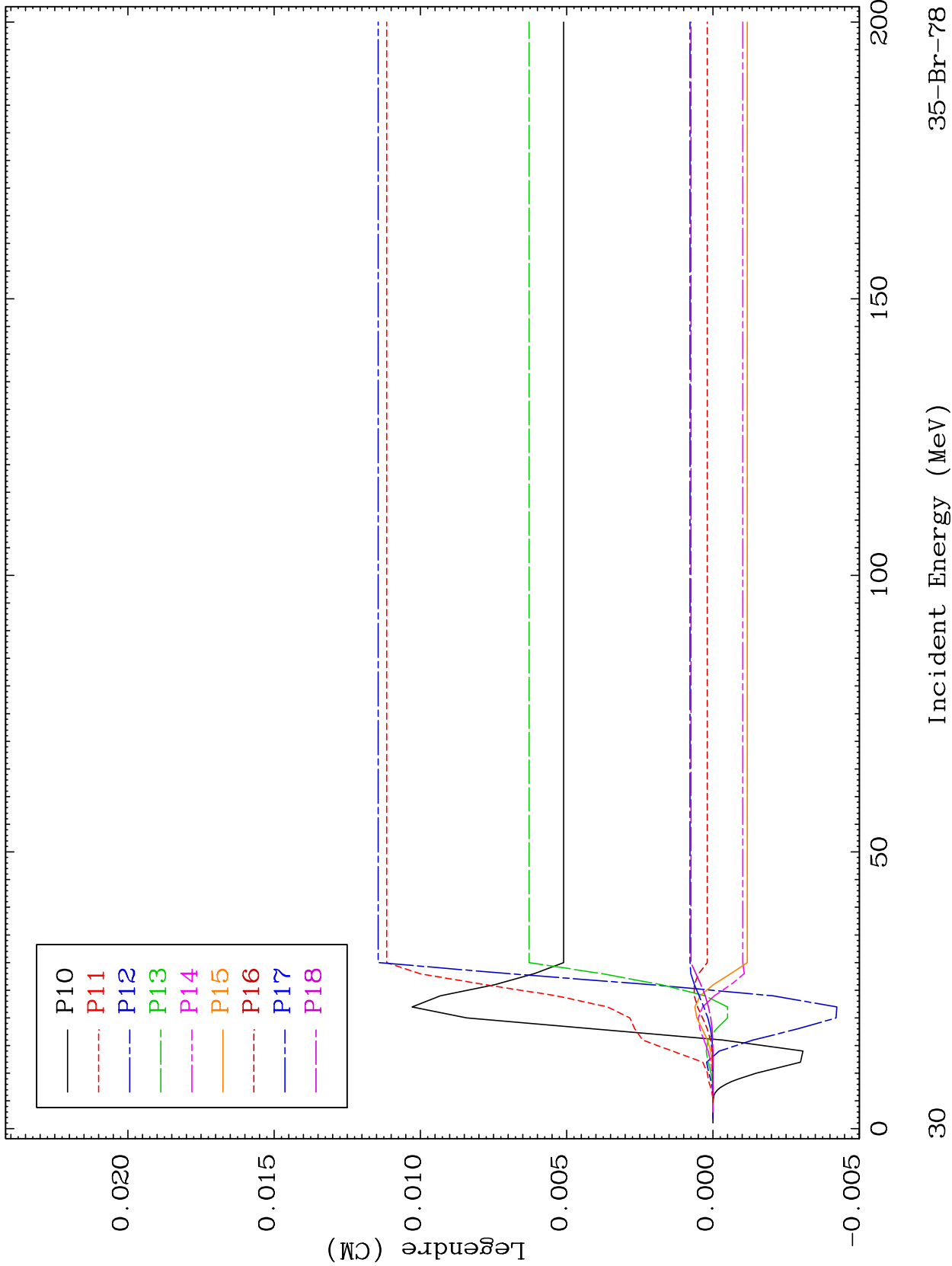
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



35-Br-78

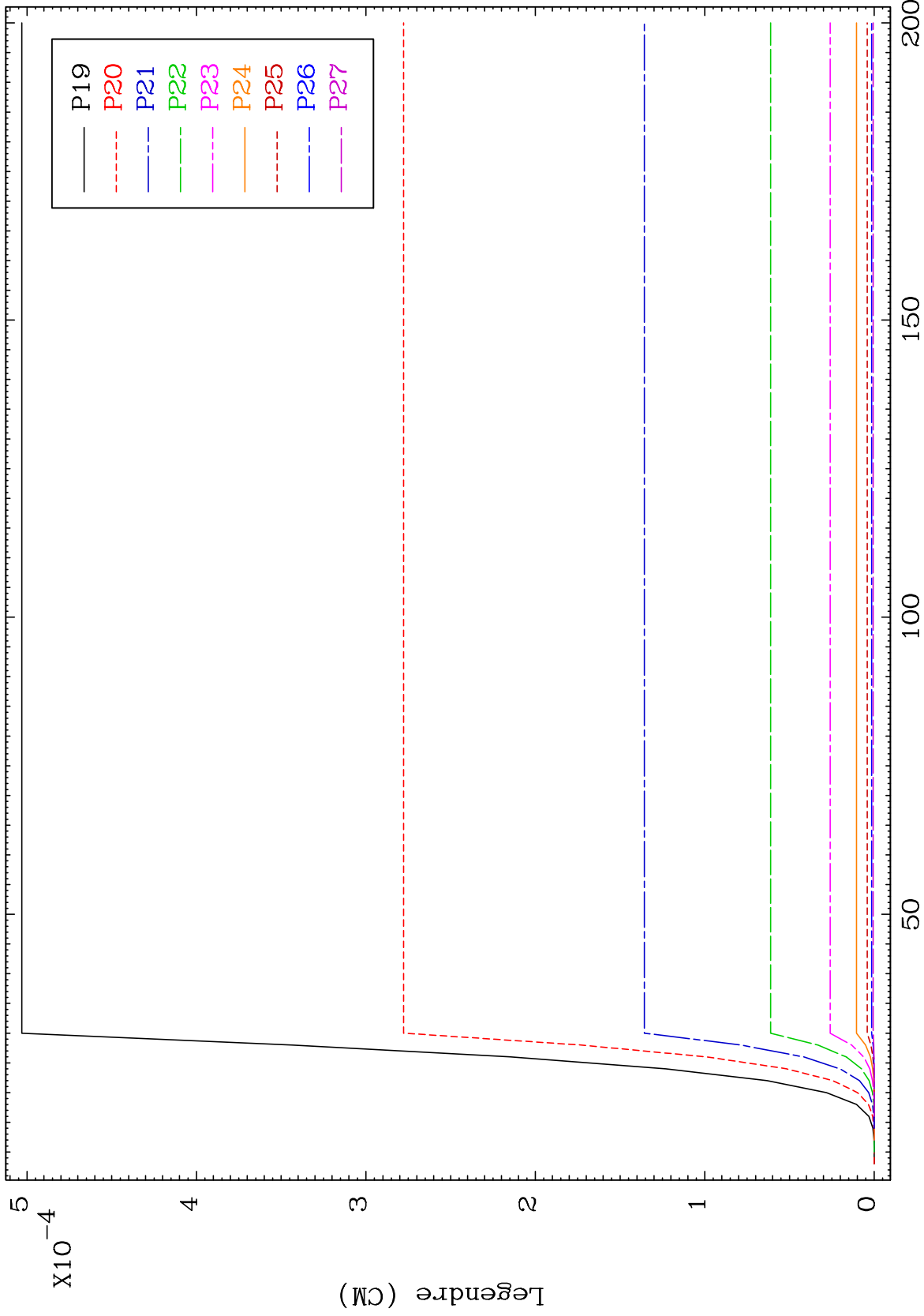
Incident Energy (MeV)

30

MAT 3522

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

35-Br-78



31

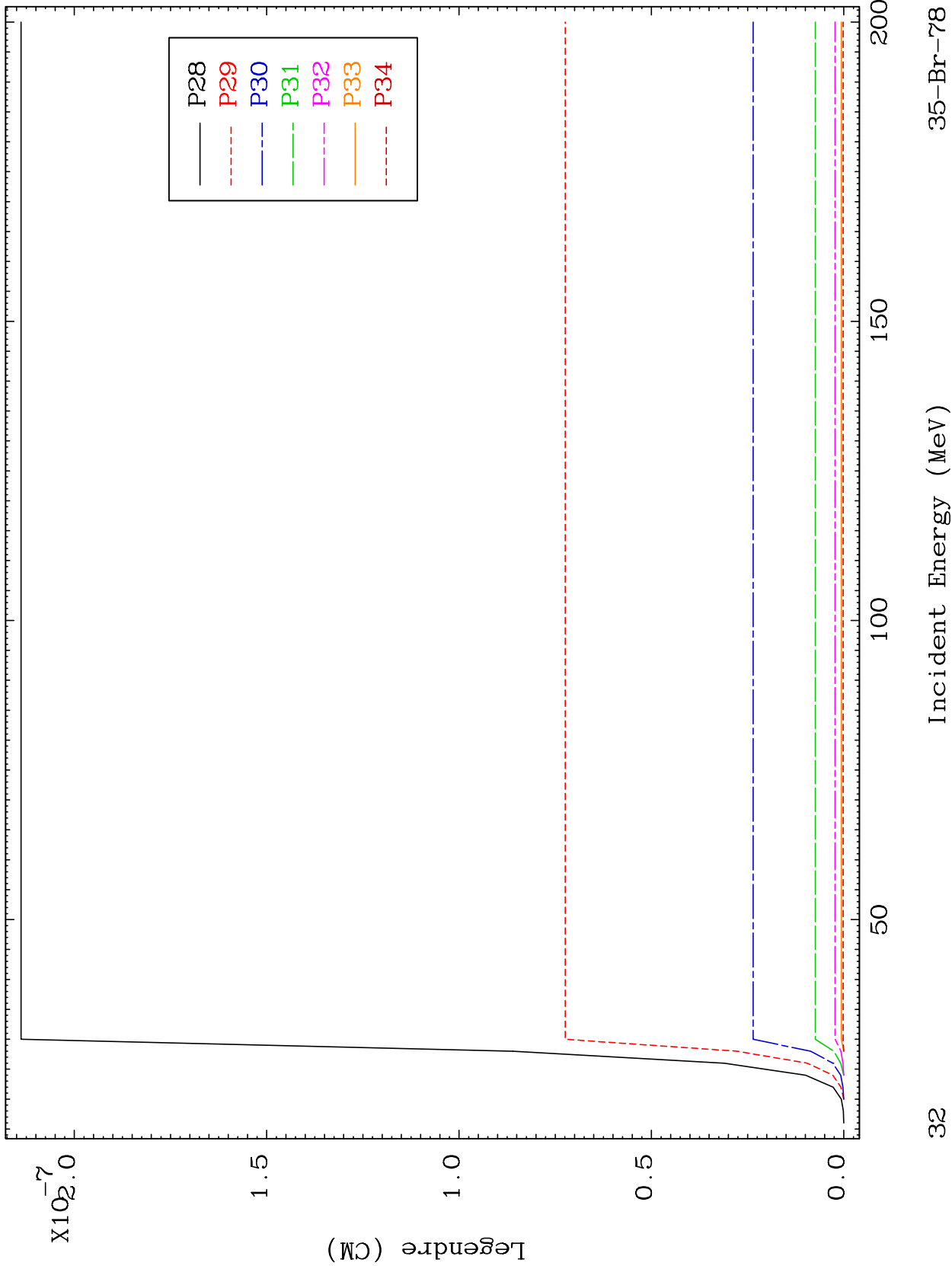
Incident Energy (MeV)

35-Br-78

MAT 3522

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

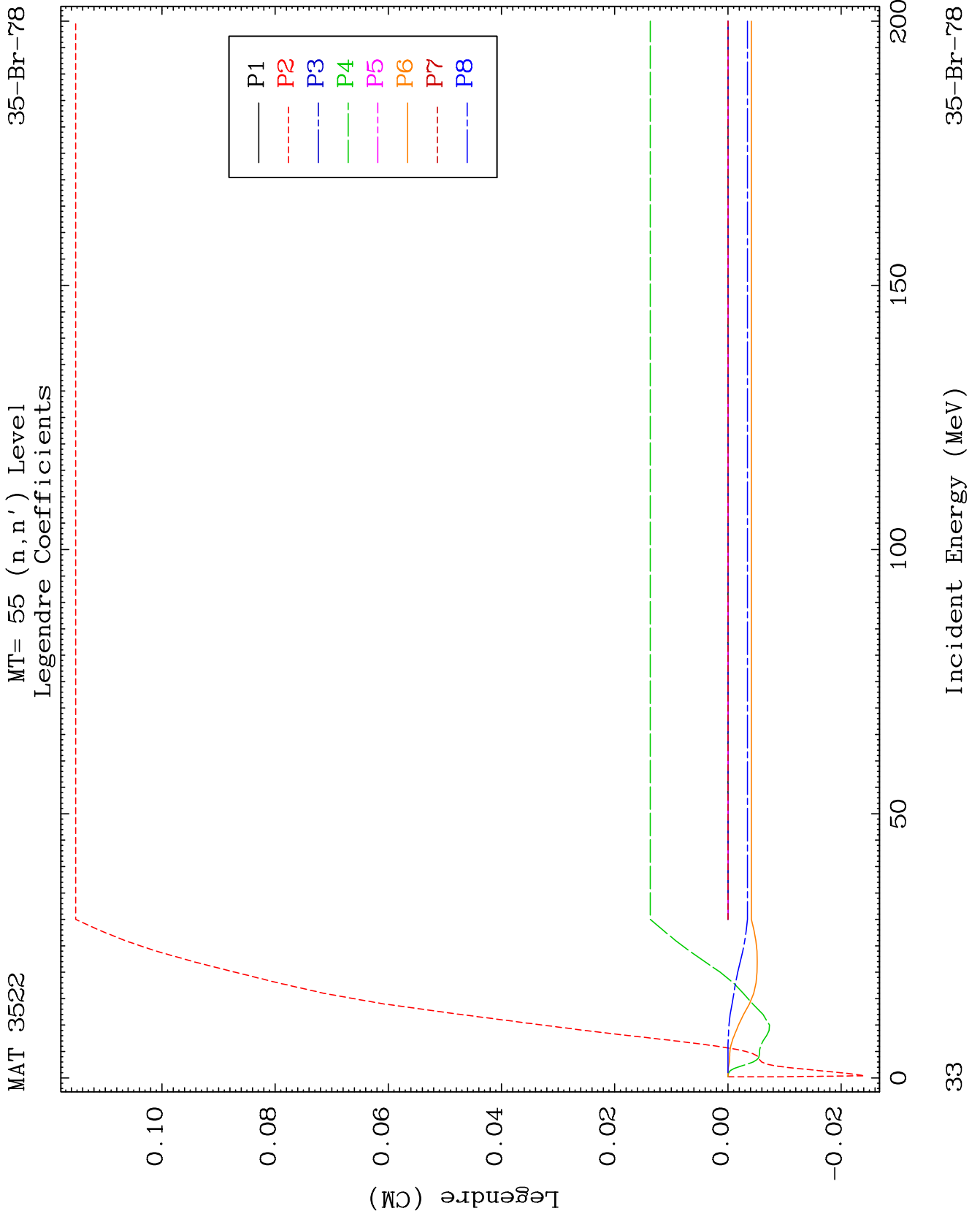
35-Br-78

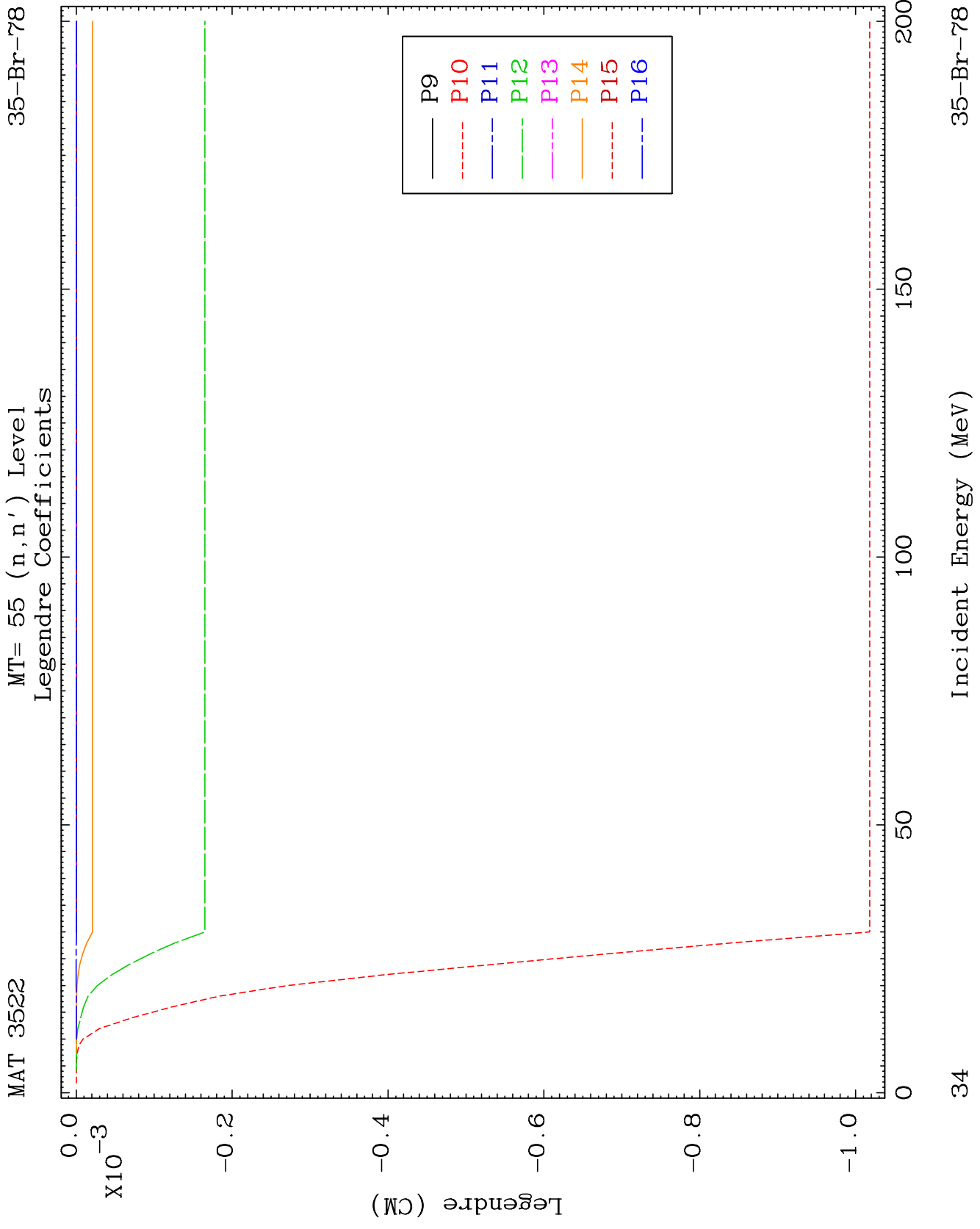


32

Incident Energy (MeV)

35-Br-78



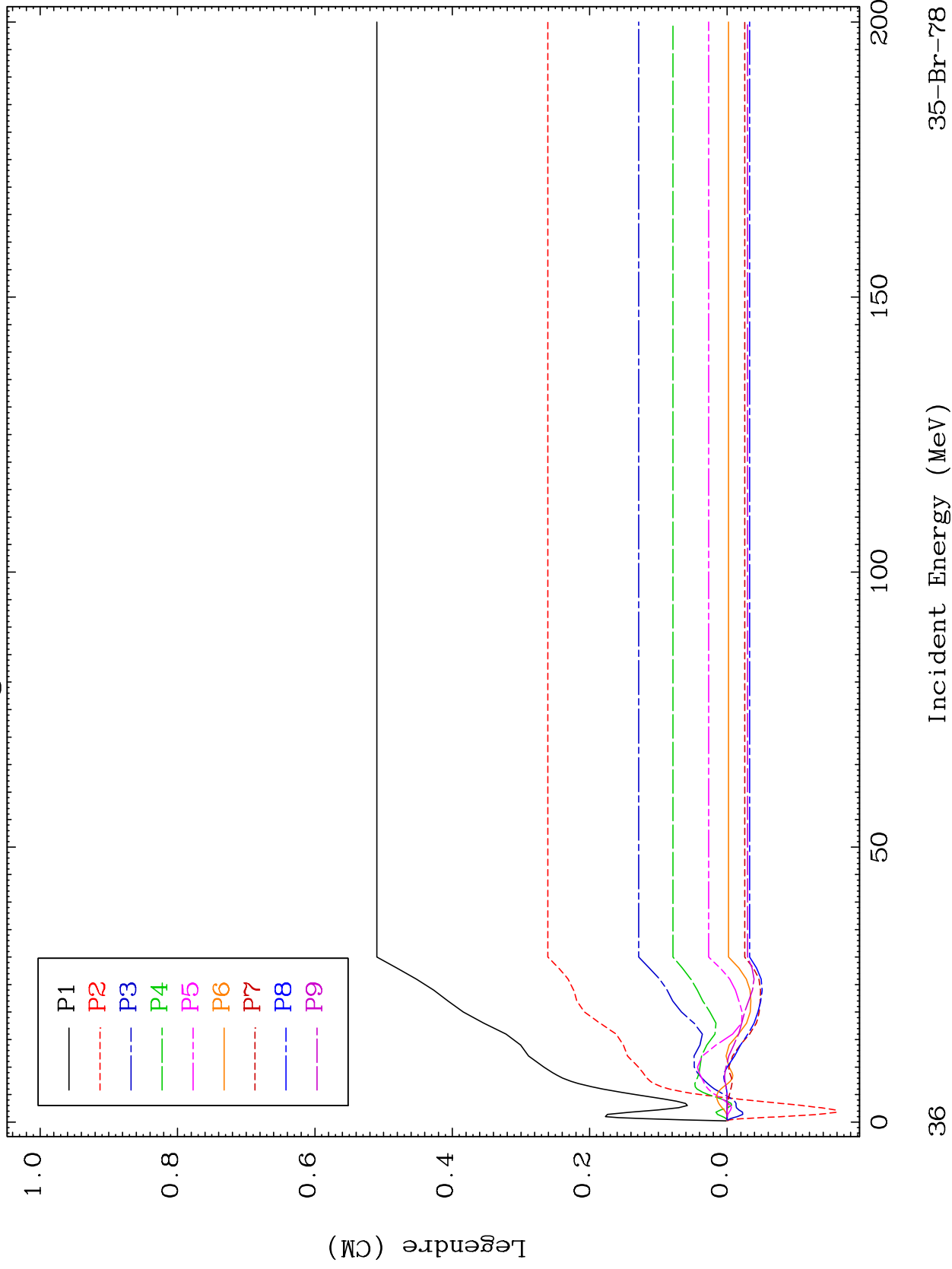




MAT 3522

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

35-Br-78



36

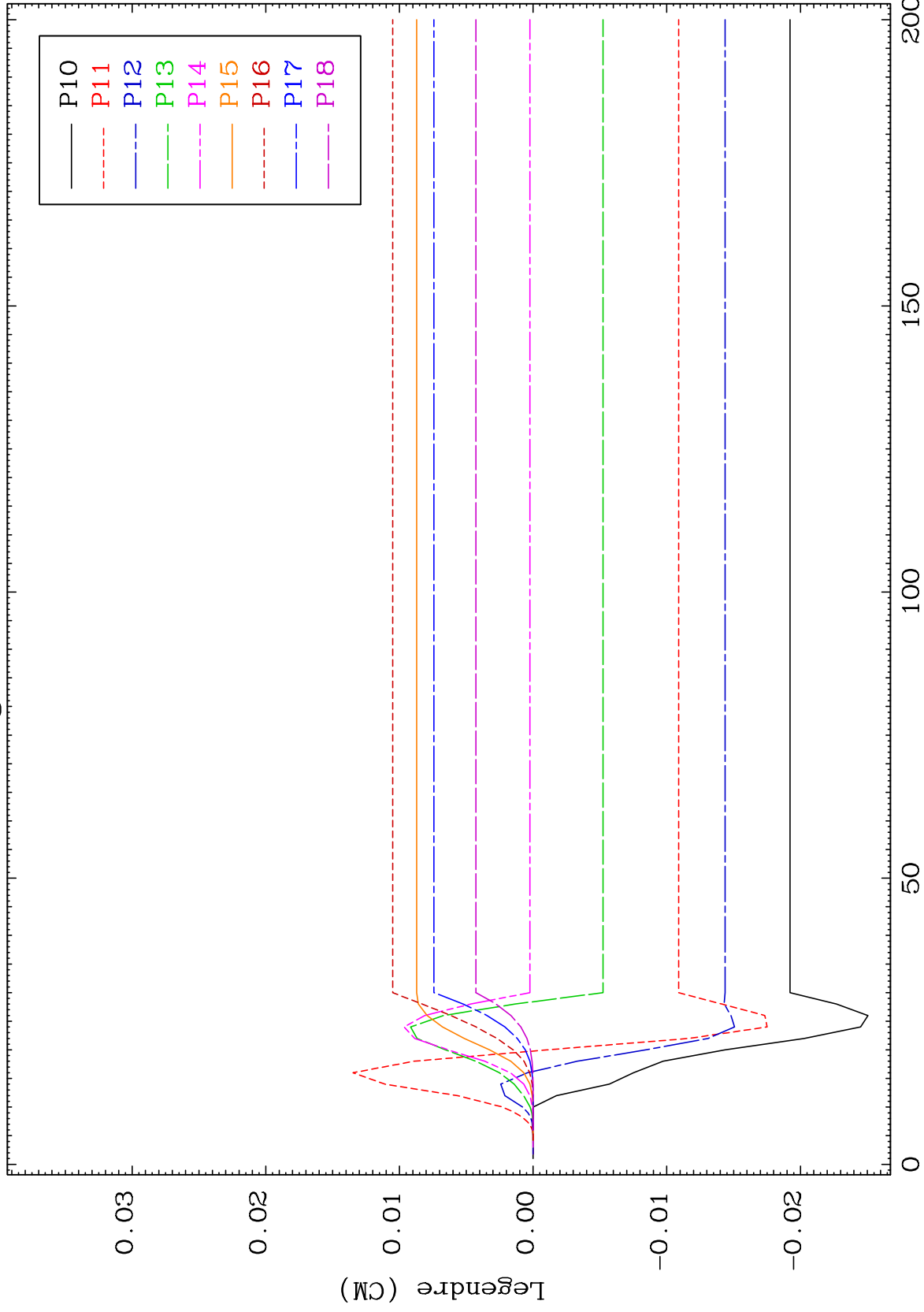
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



37

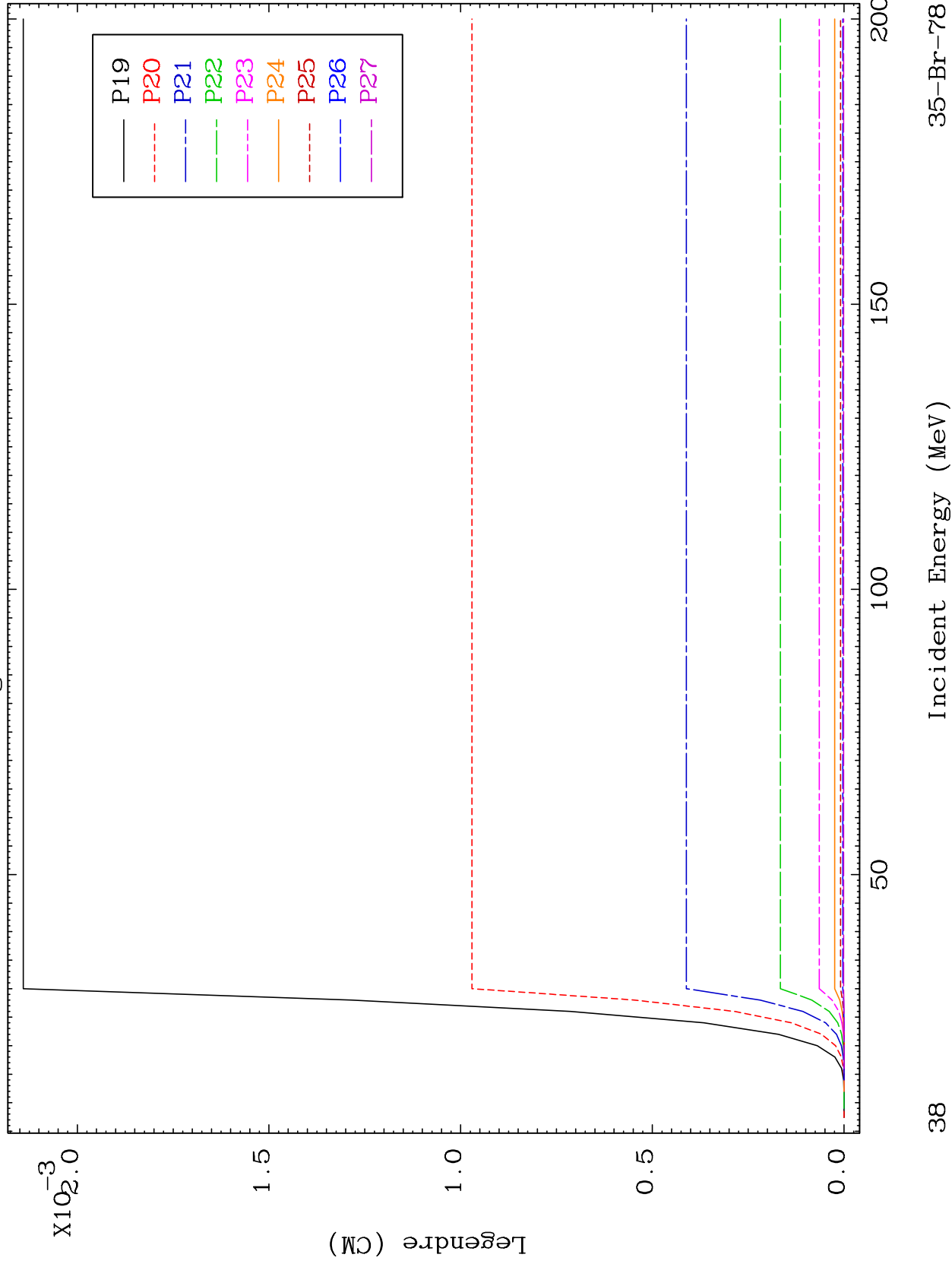
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



38

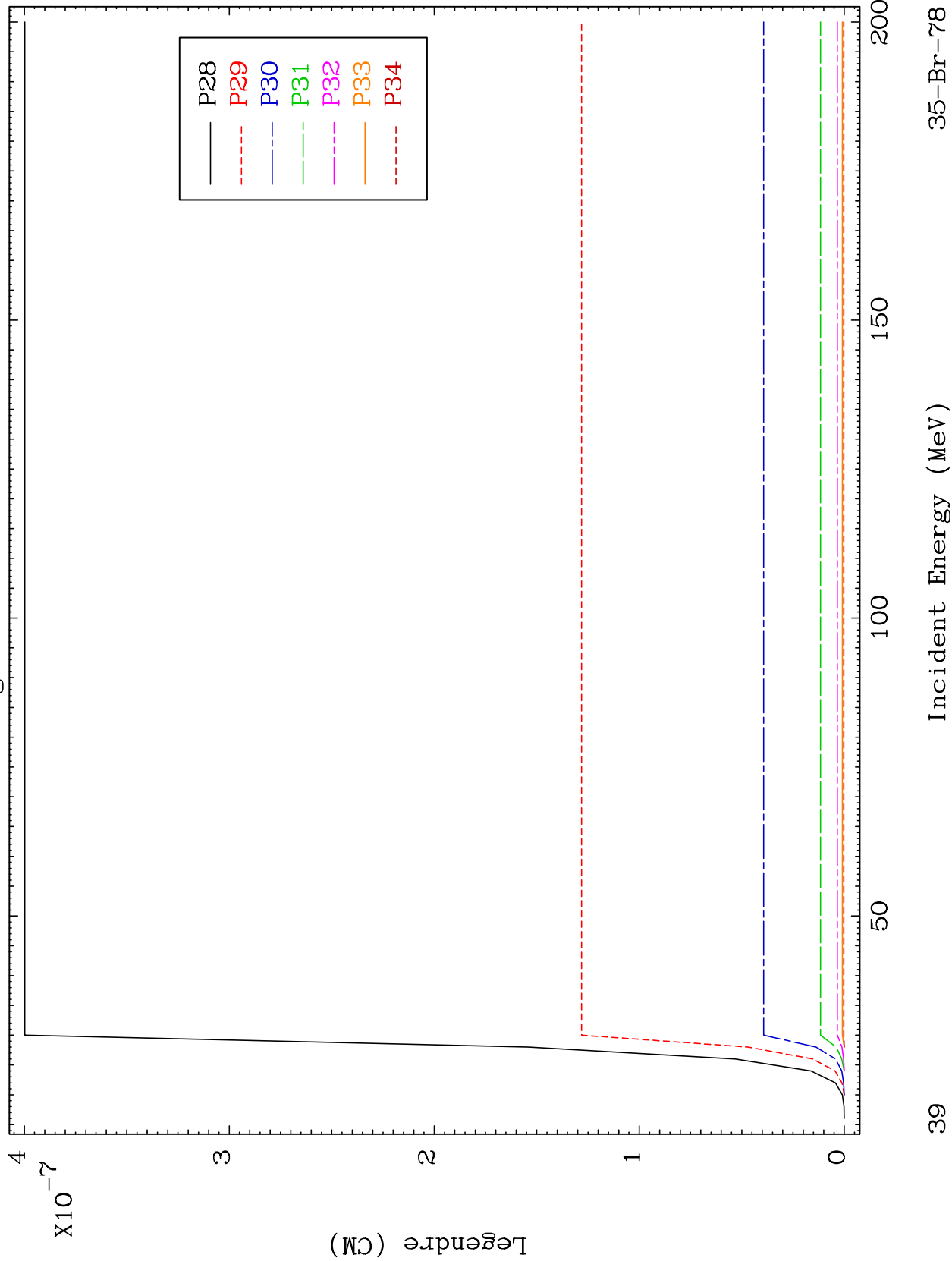
Incident Energy (MeV)

35-Br-78

MAT 3522

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

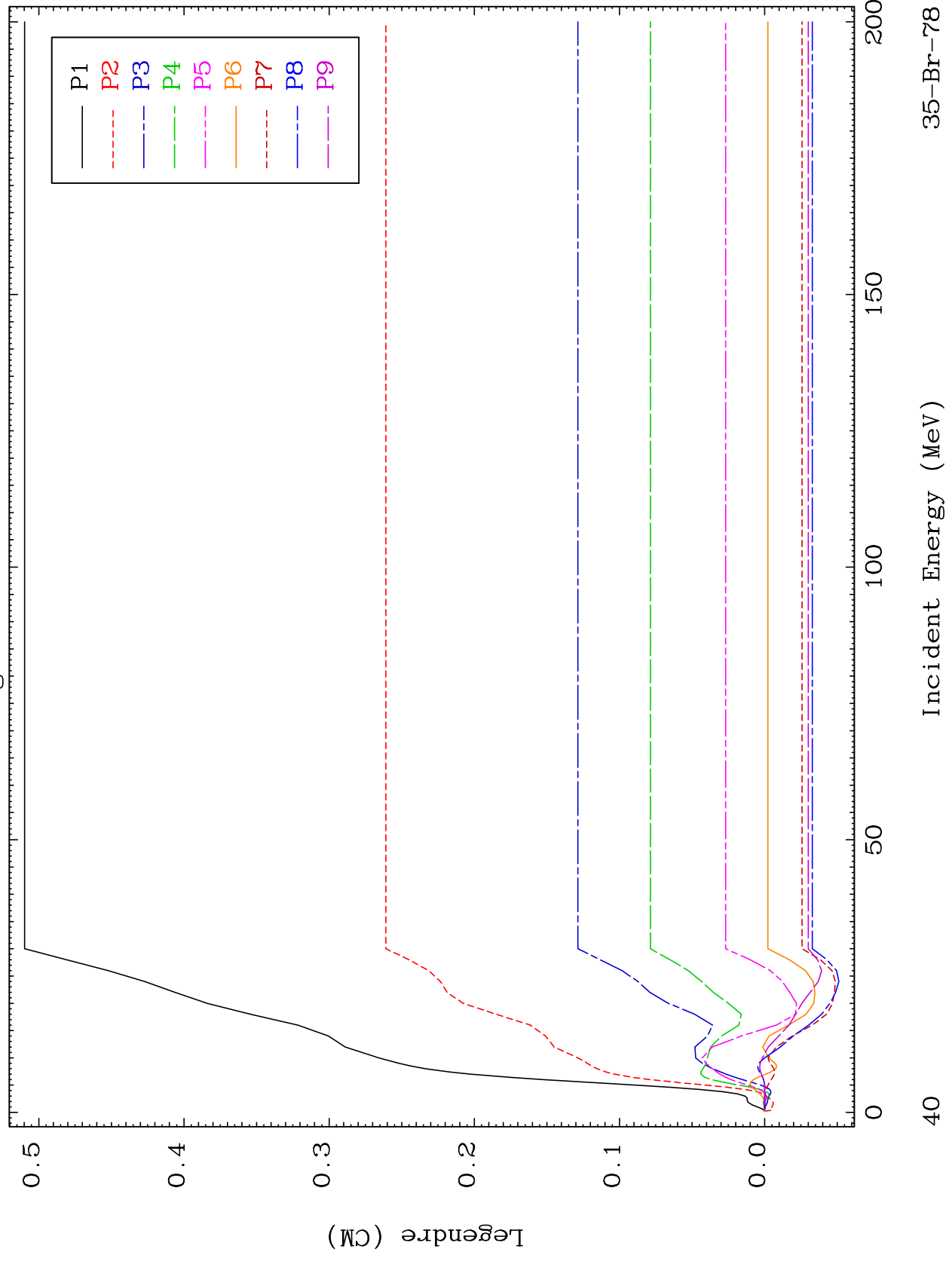
35-Br-78



MAT 3522

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

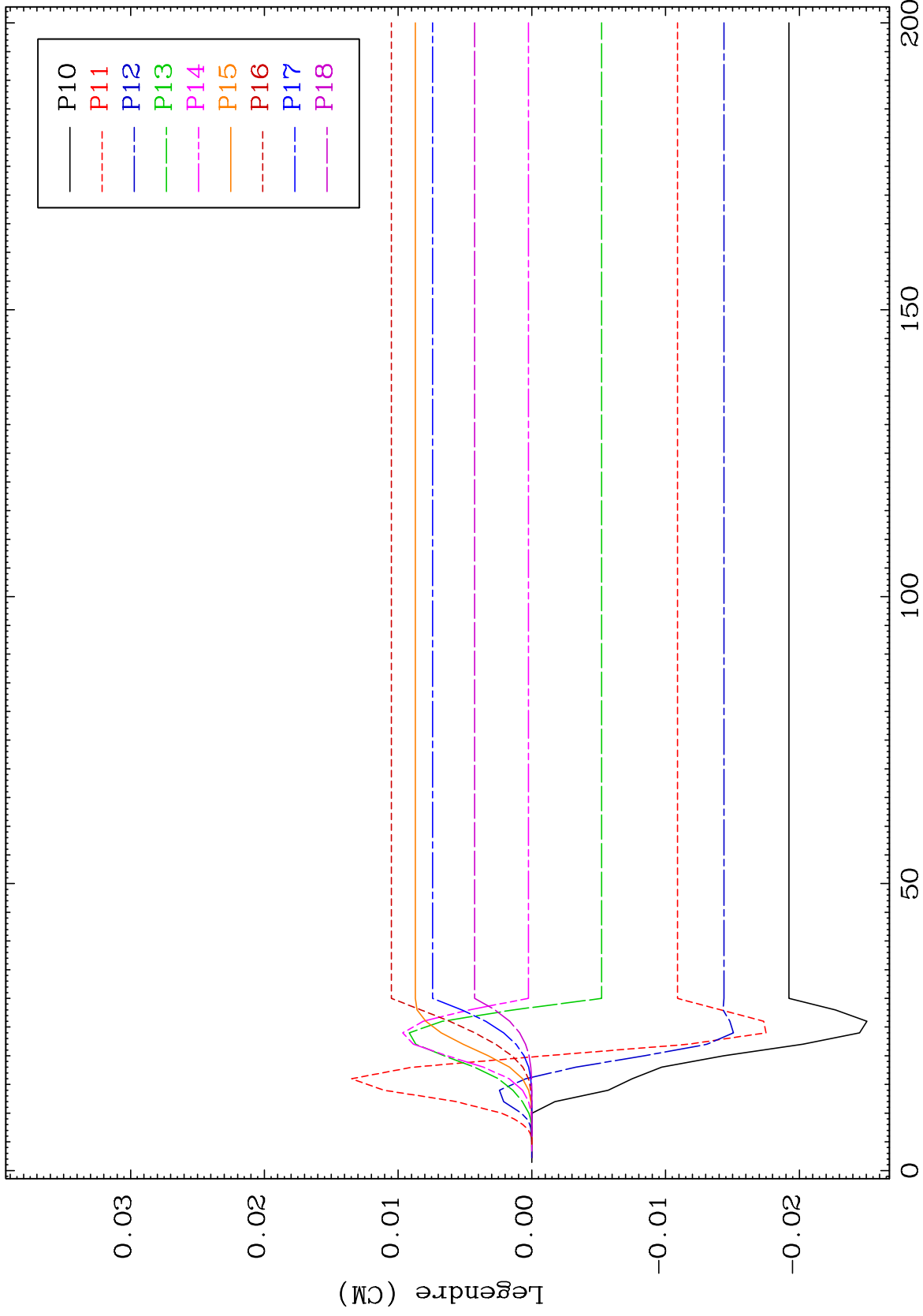
<sup>35</sup>Br-78



MAT 3522

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

35-Br-78



41

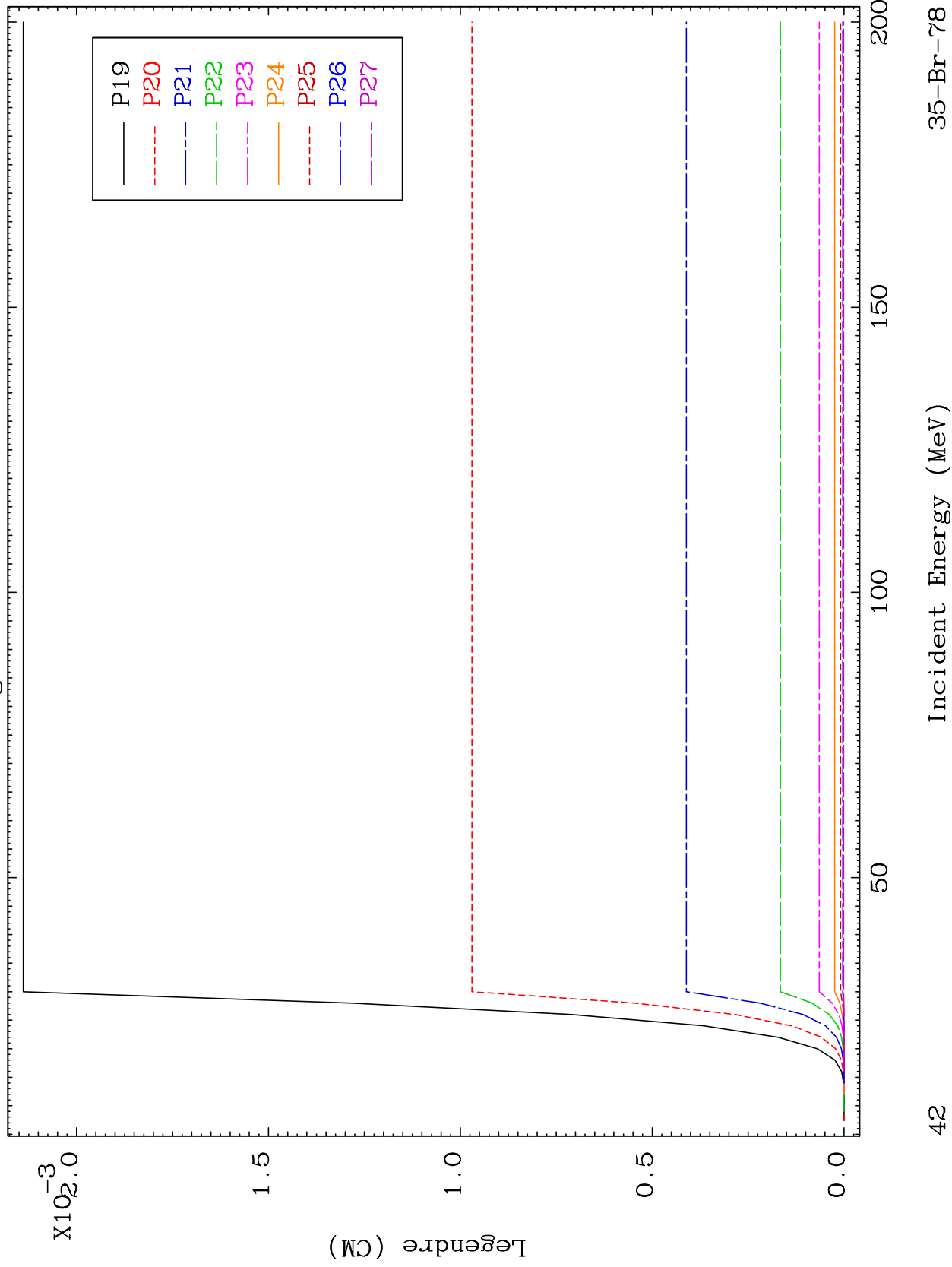
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



42

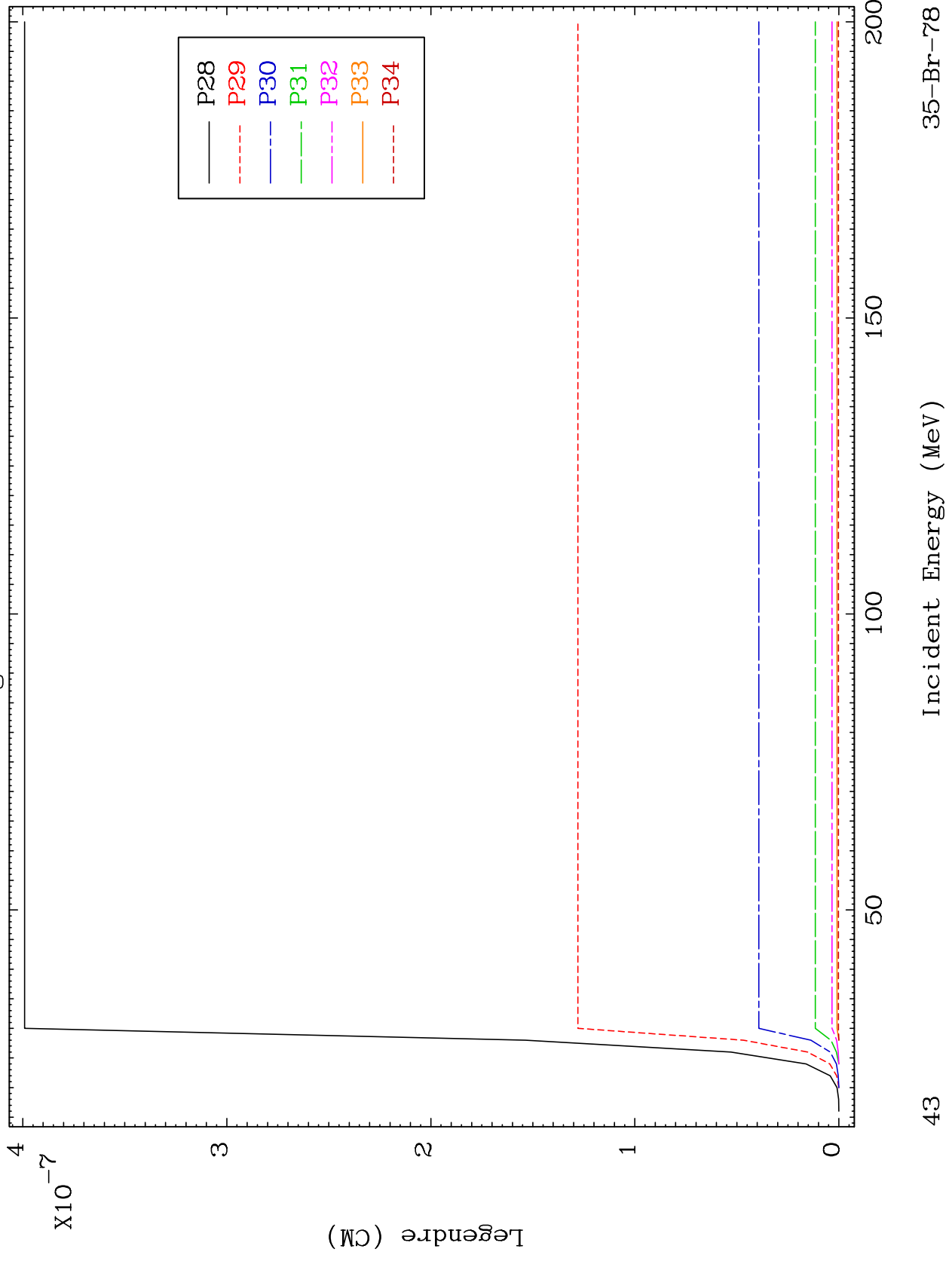
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



43

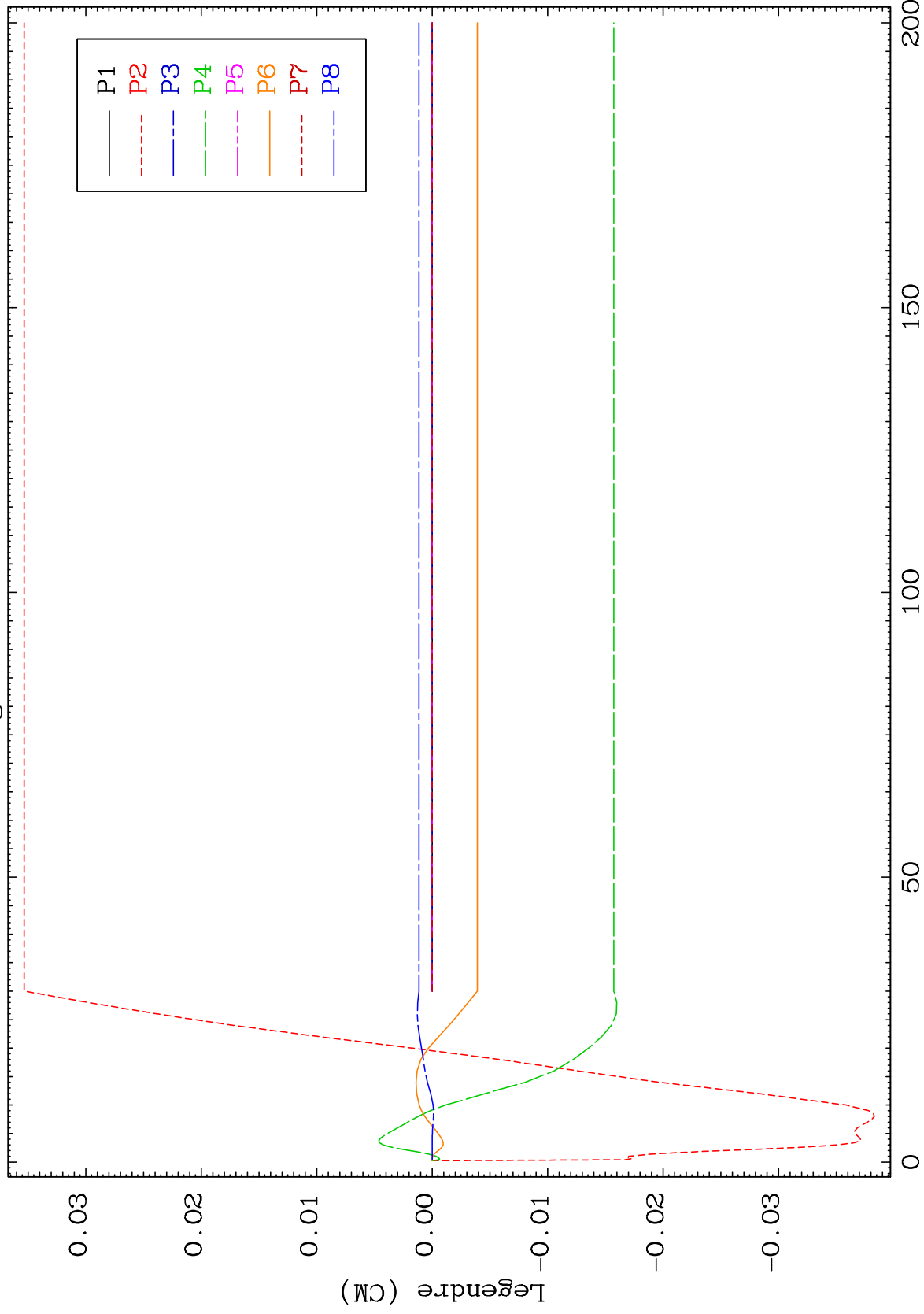
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



44

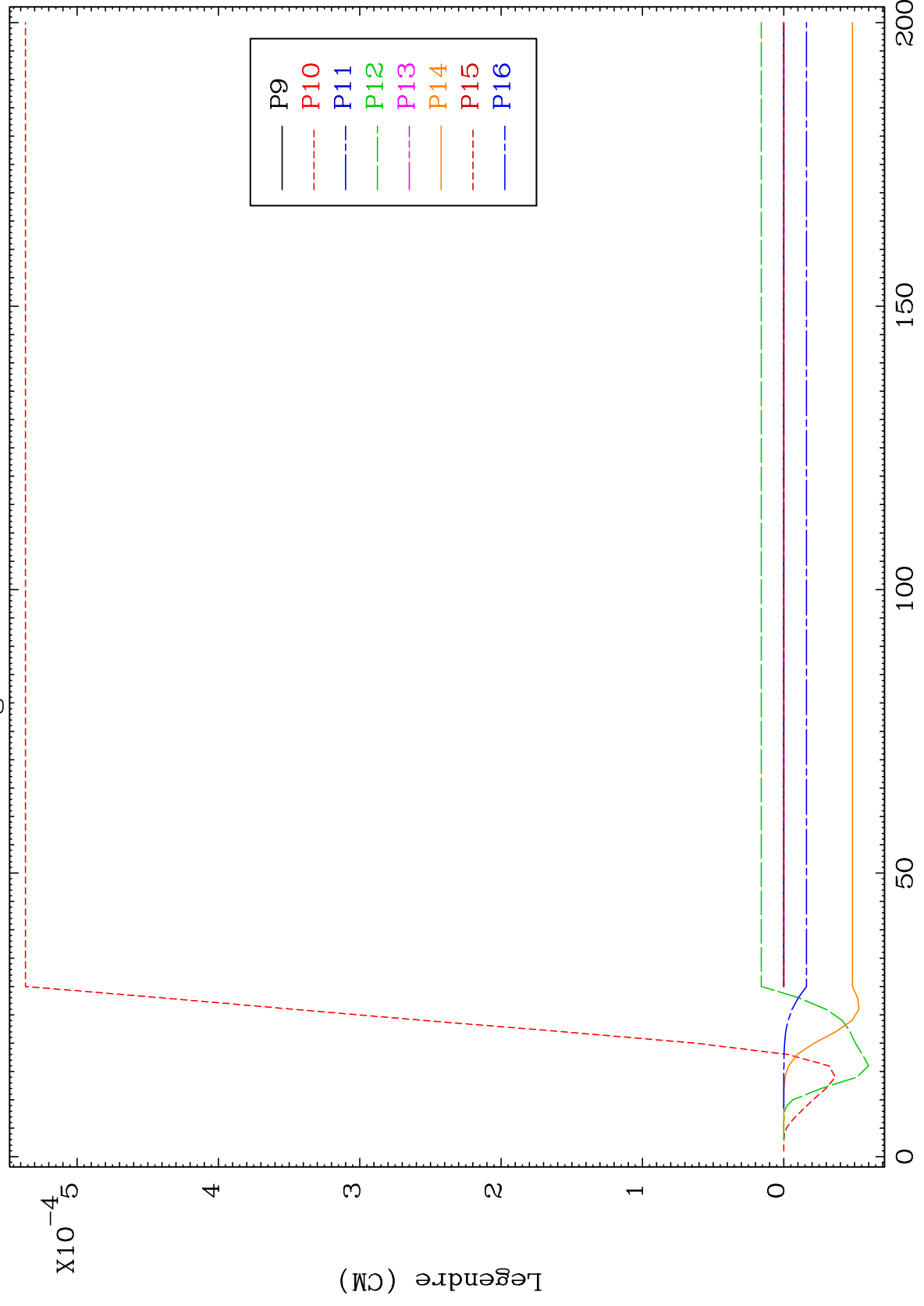
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



45

Incident Energy (MeV)

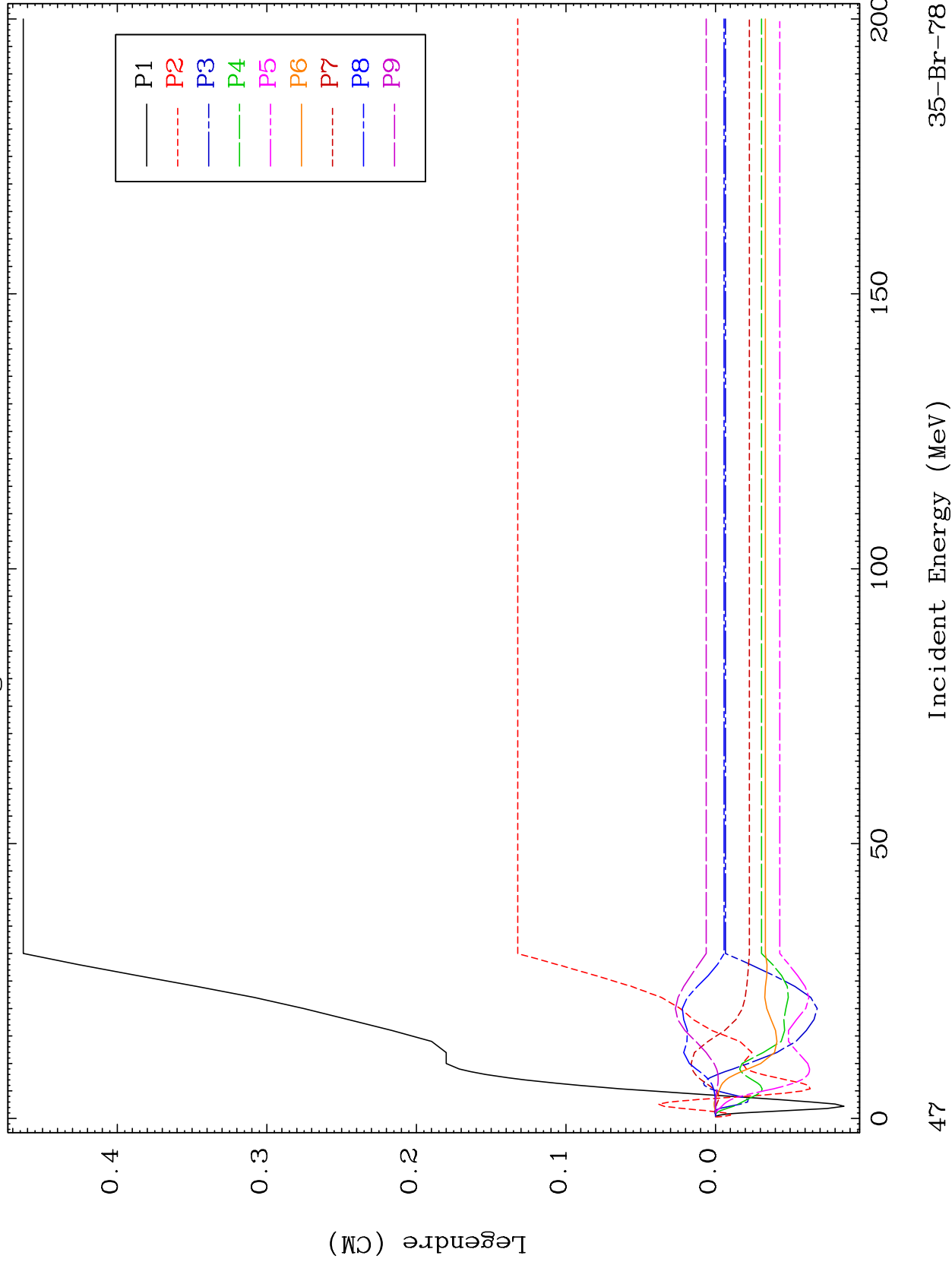
35-Br-78



MAT 3522

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

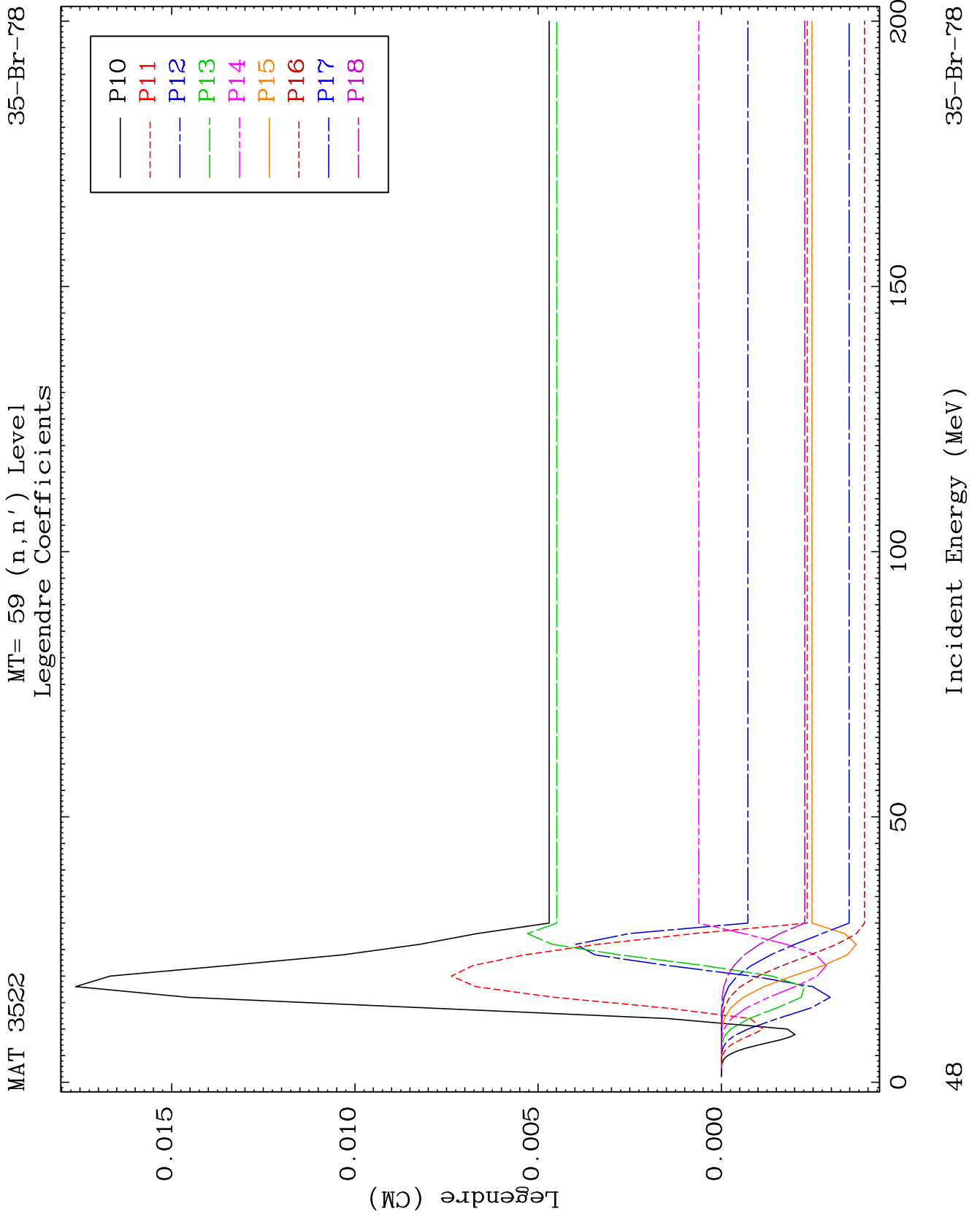
35-Br-78

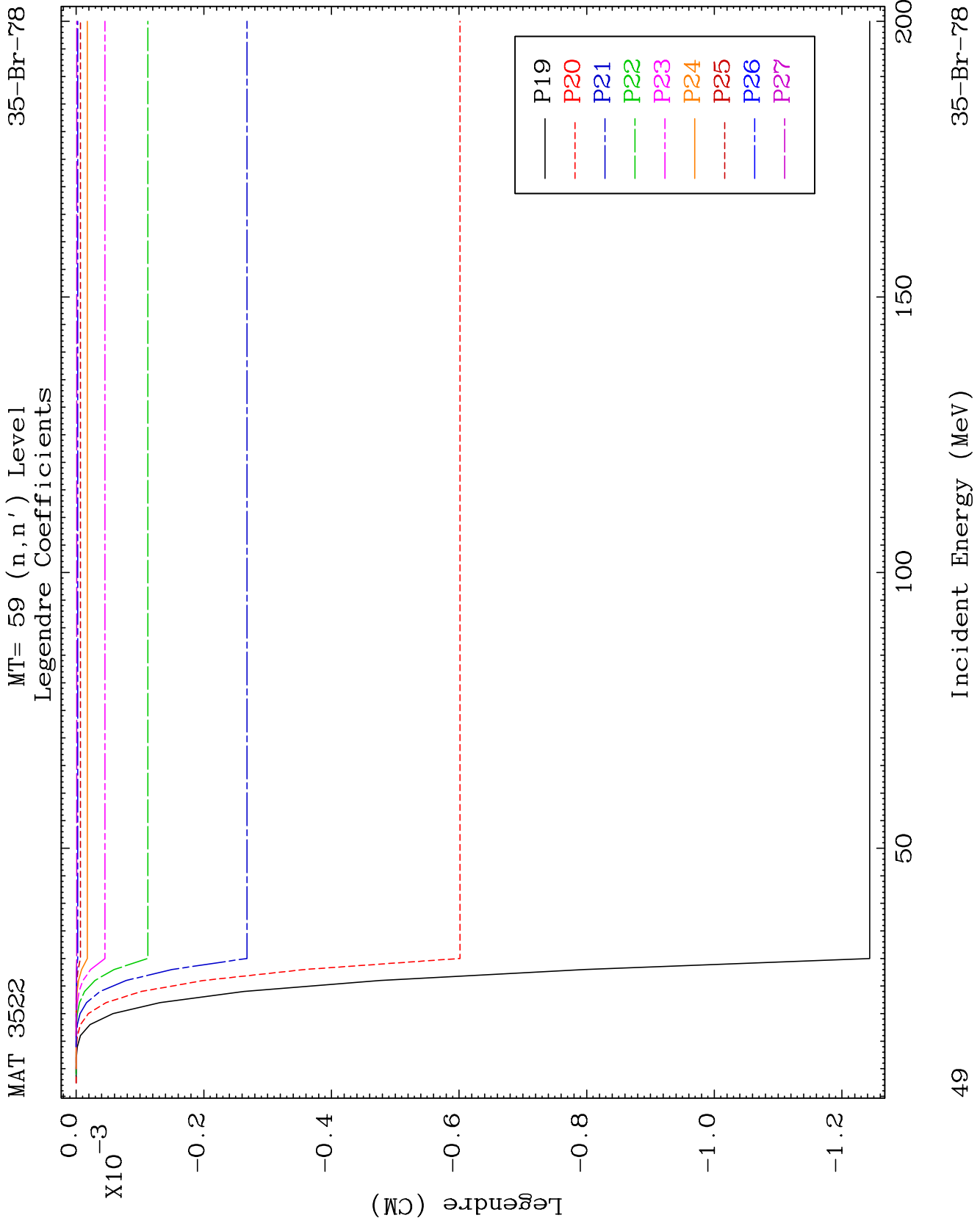


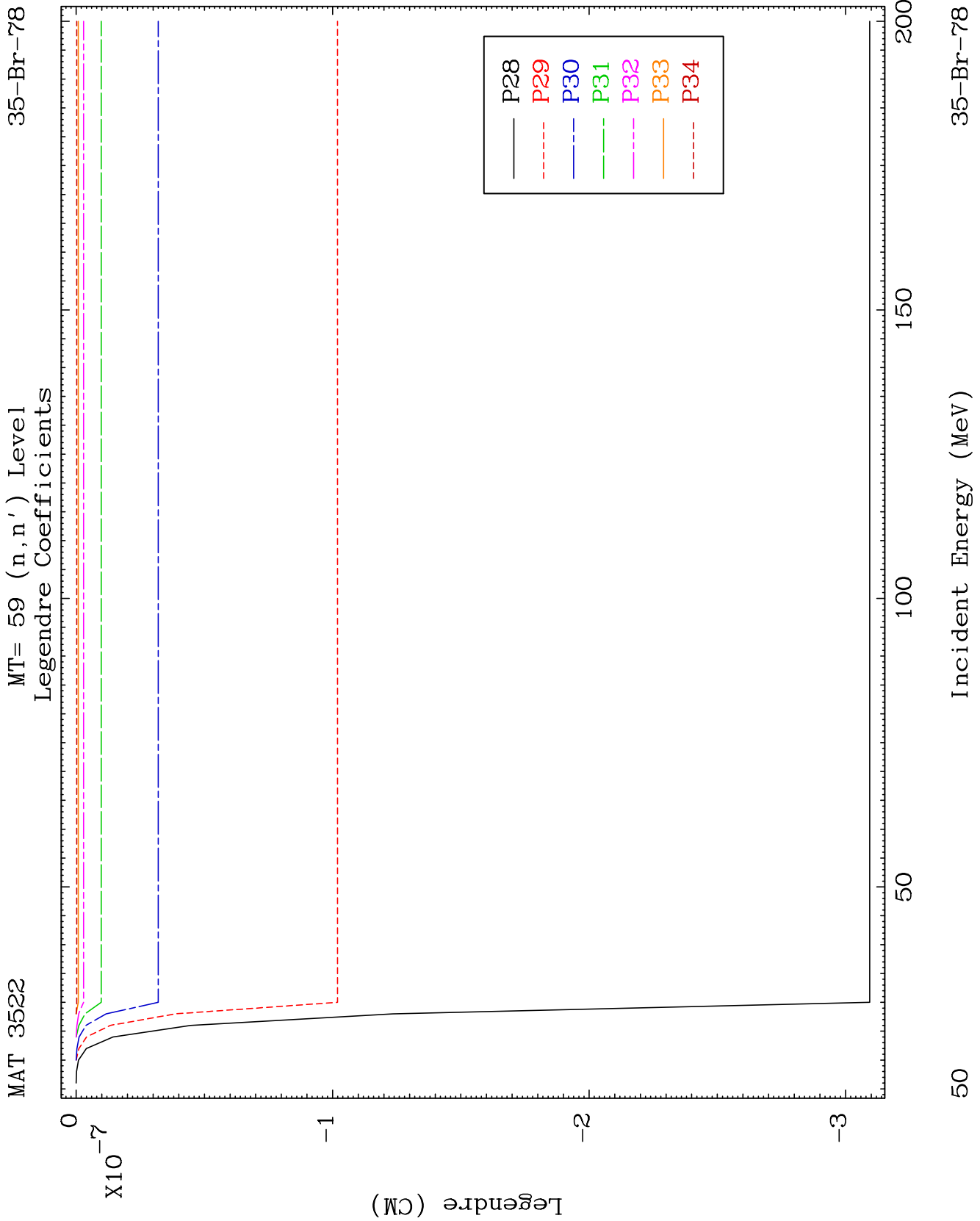
35-Br-78

Incident Energy (MeV)

47



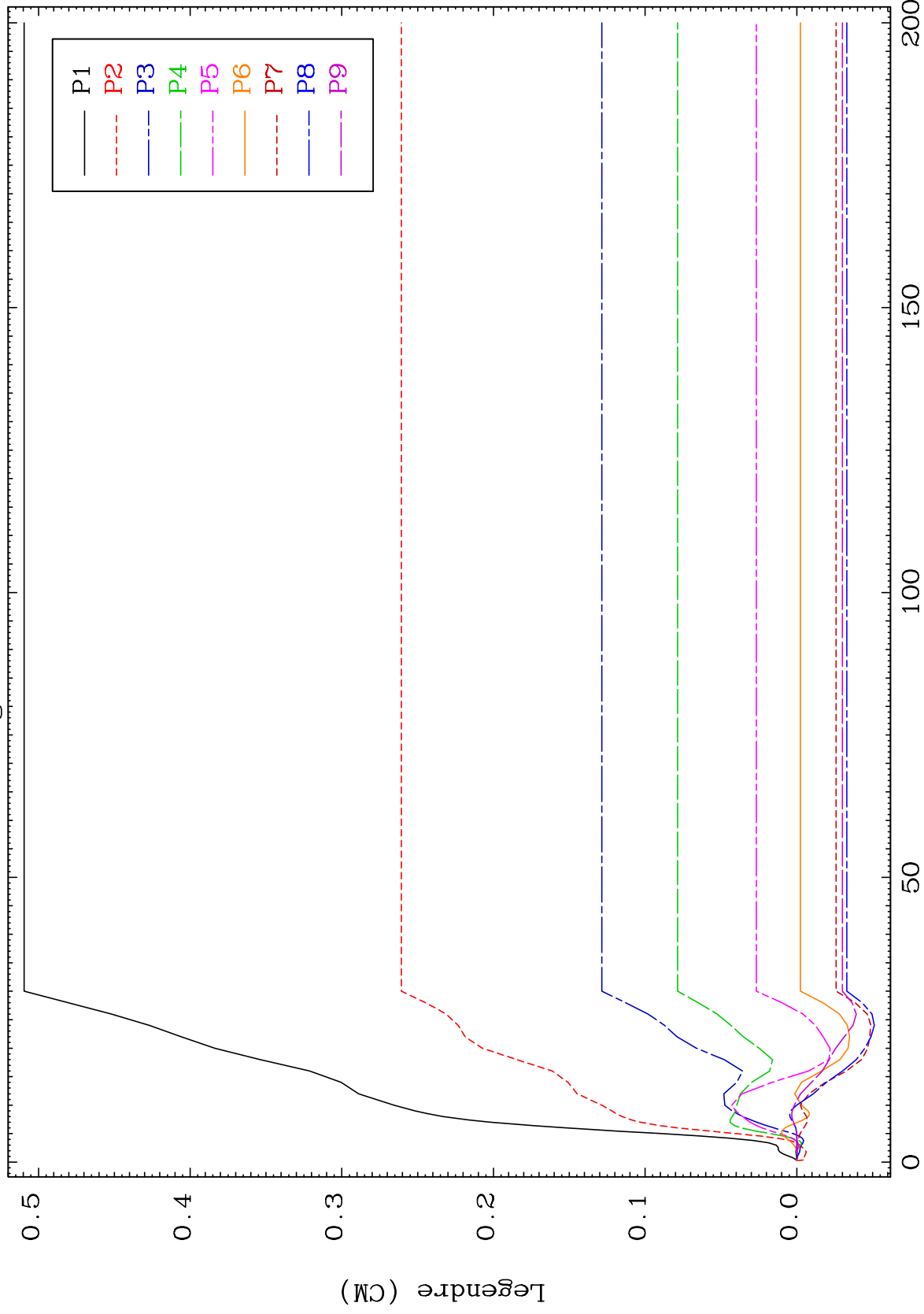




MAT 3522

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

35-Br-78



51

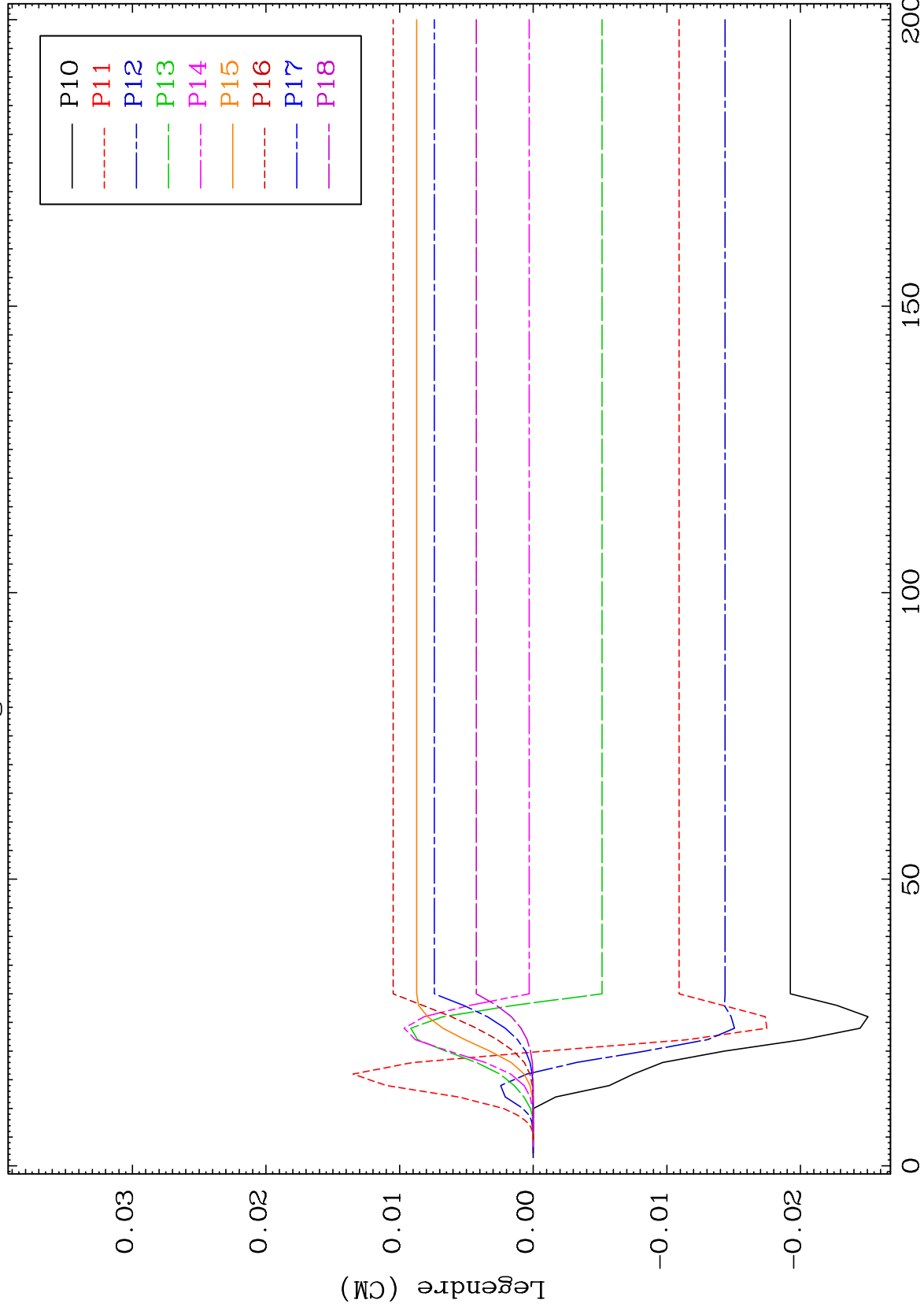
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



52

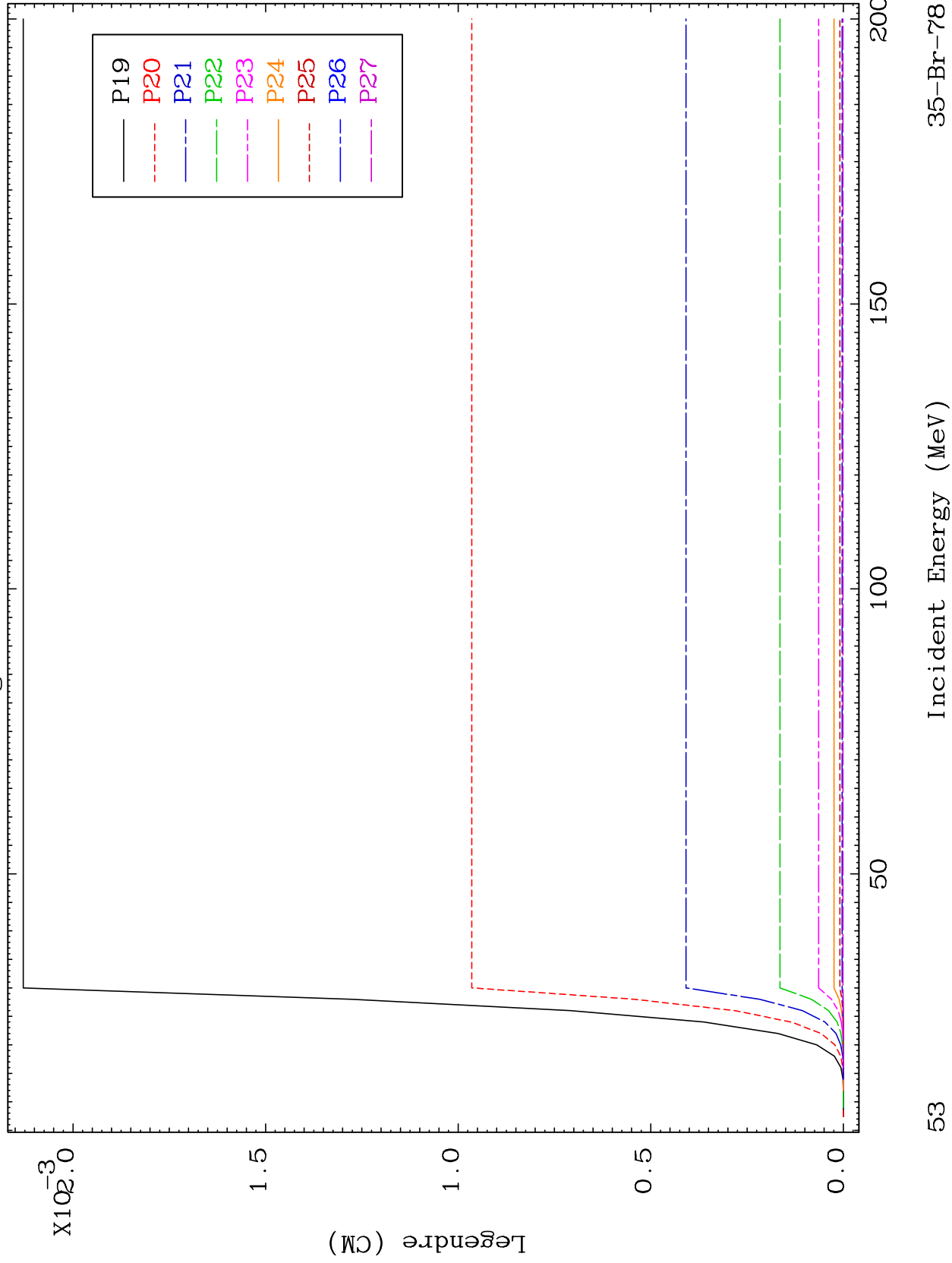
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



53

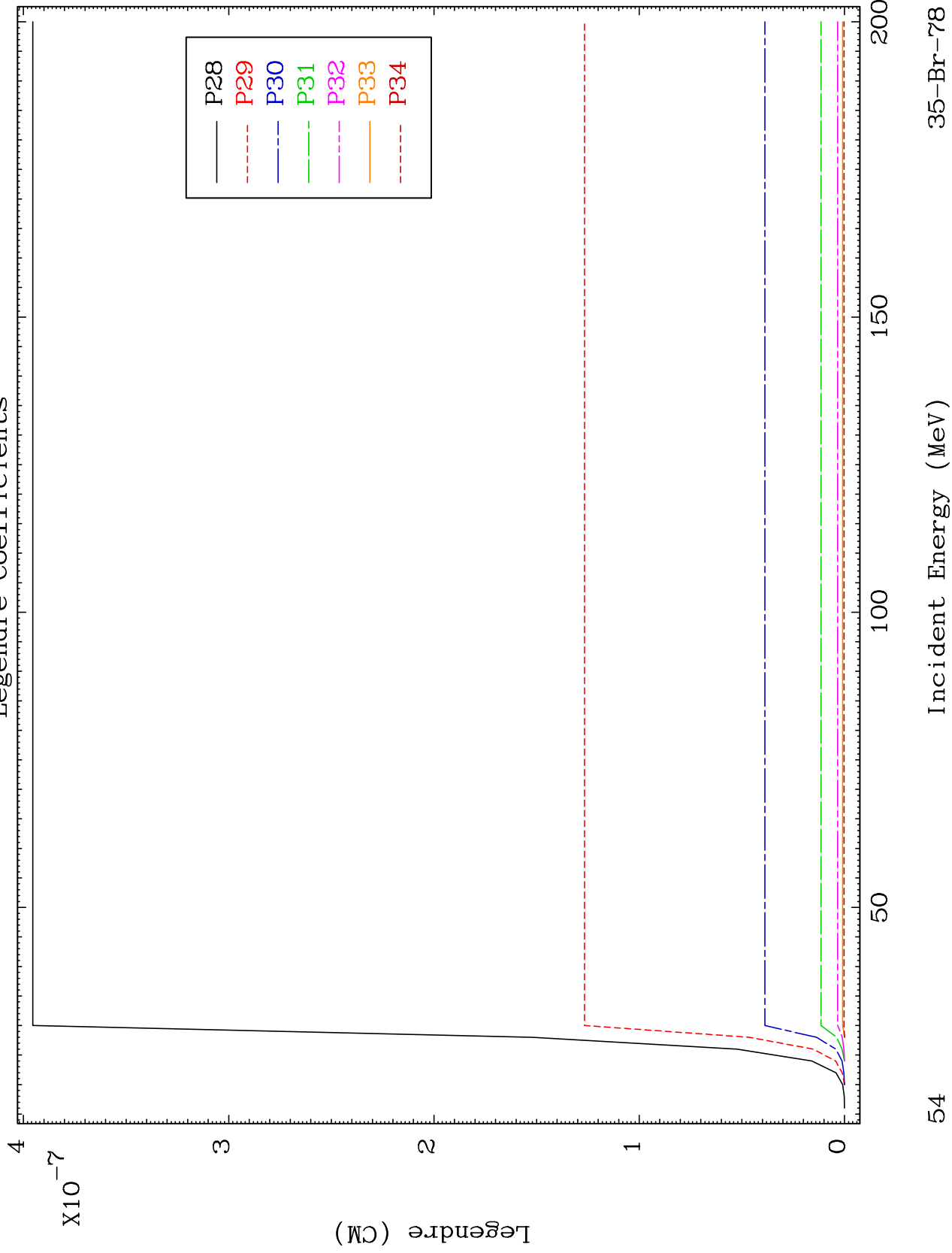
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



54

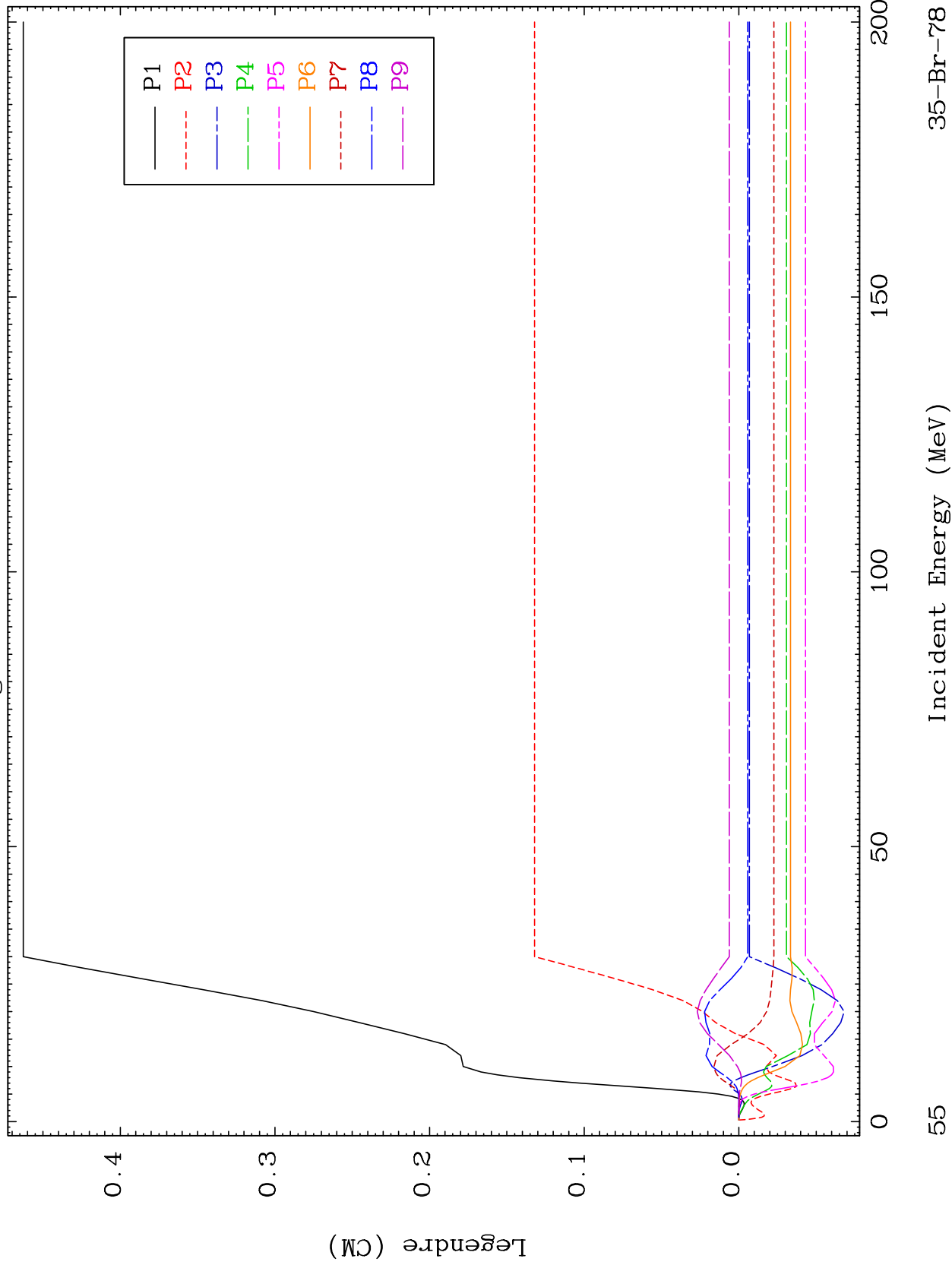
Incident Energy (MeV)

35-Br-78

MAT 3522

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

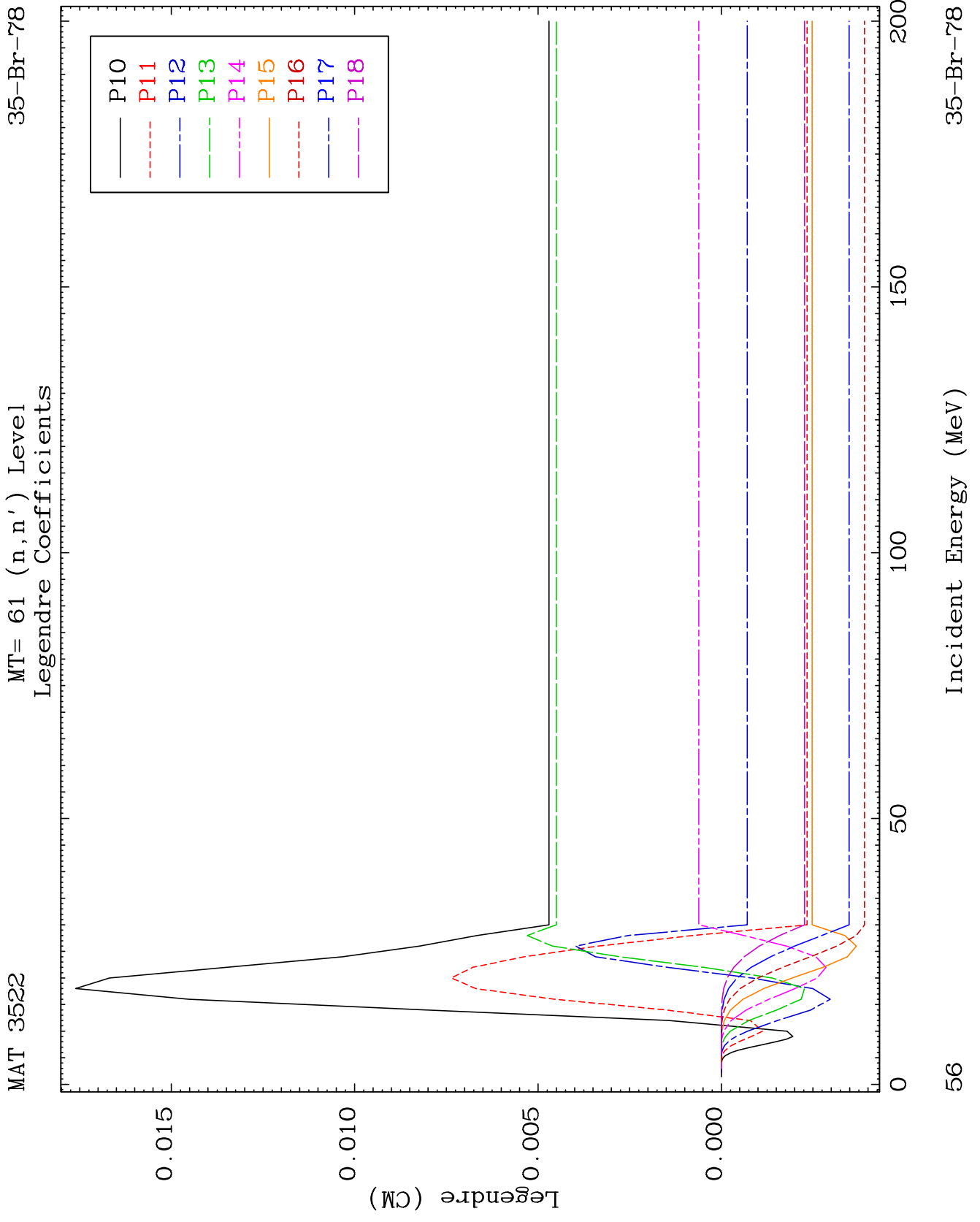
35-Br-78

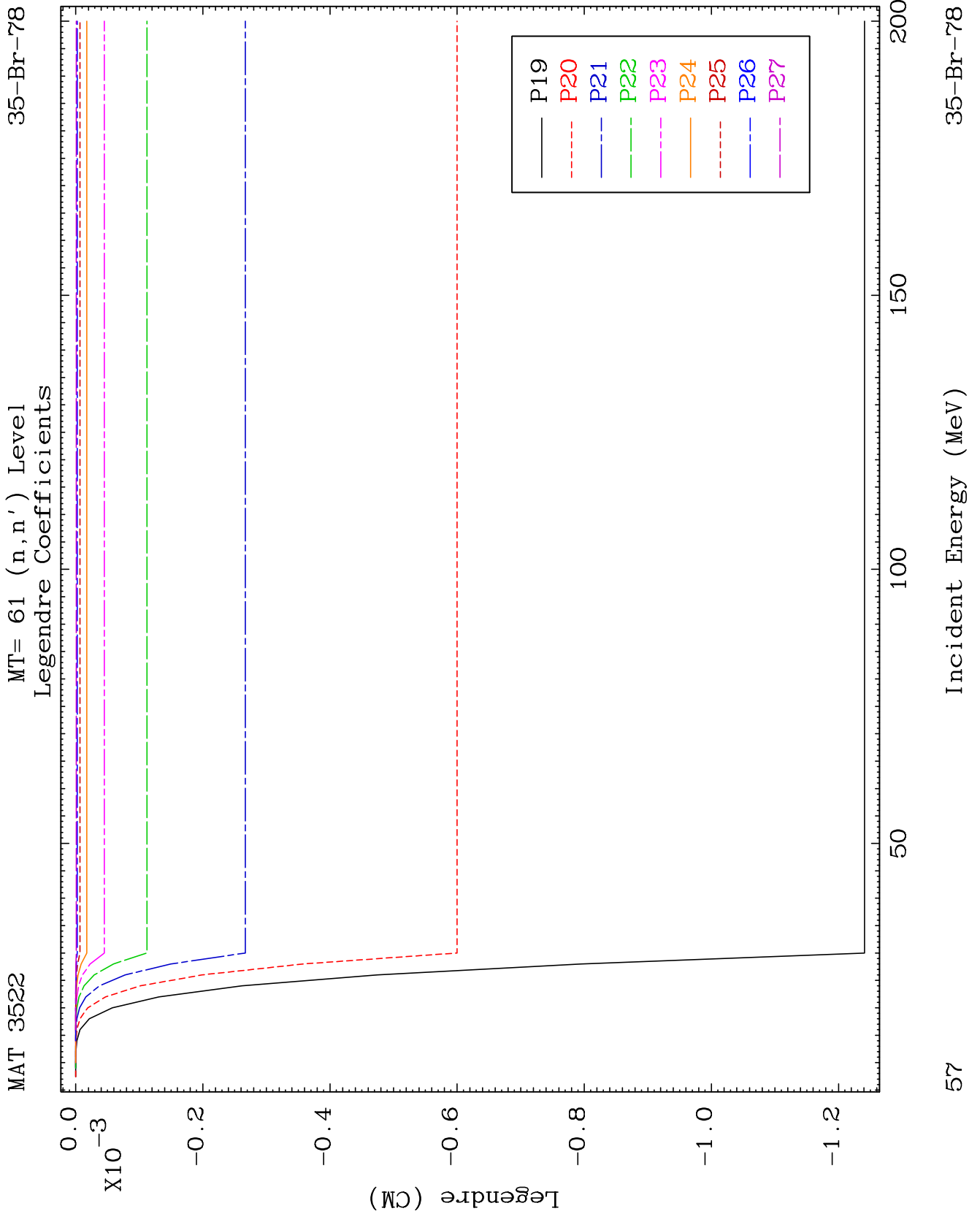


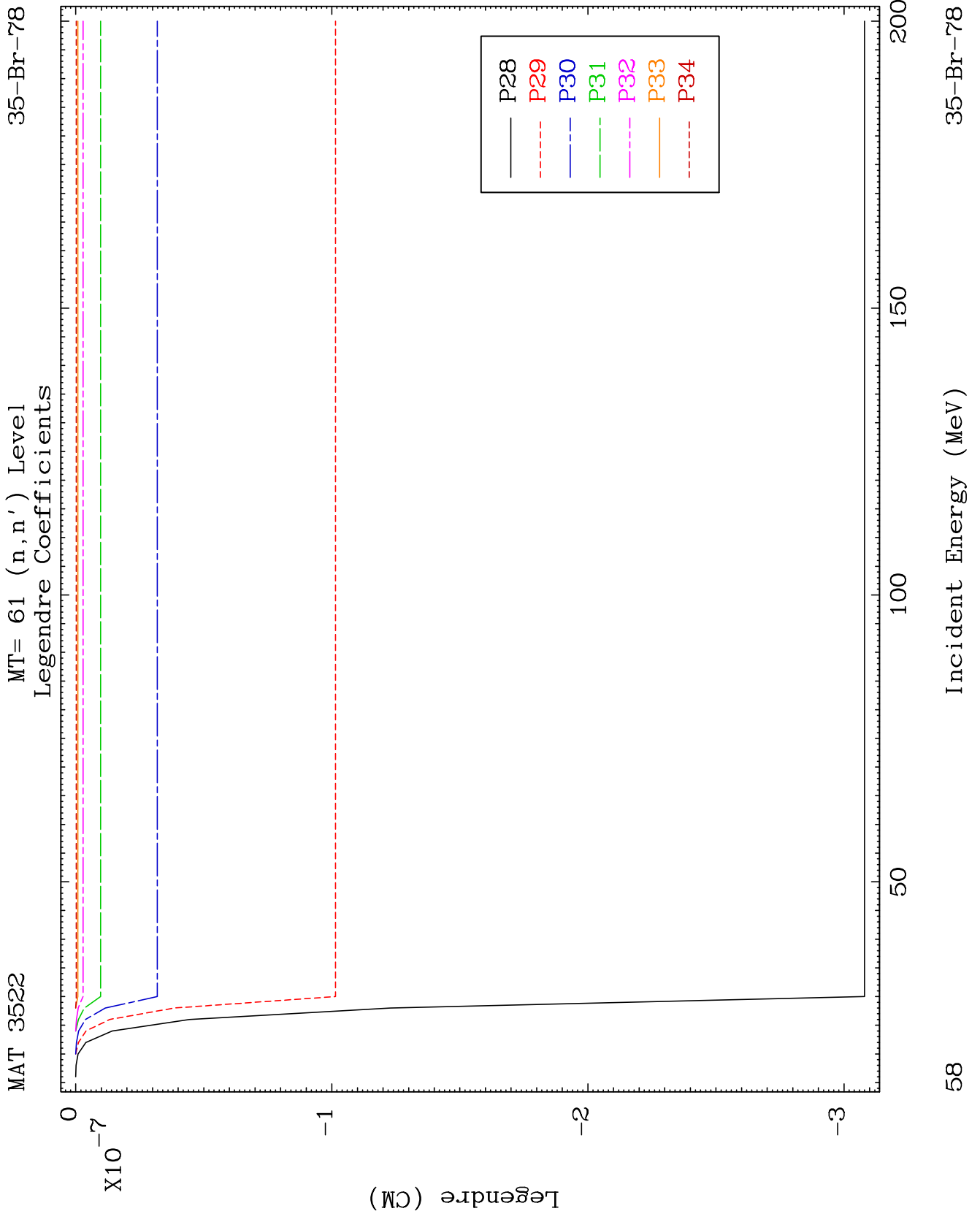
35-Br-78

Incident Energy (MeV)

55



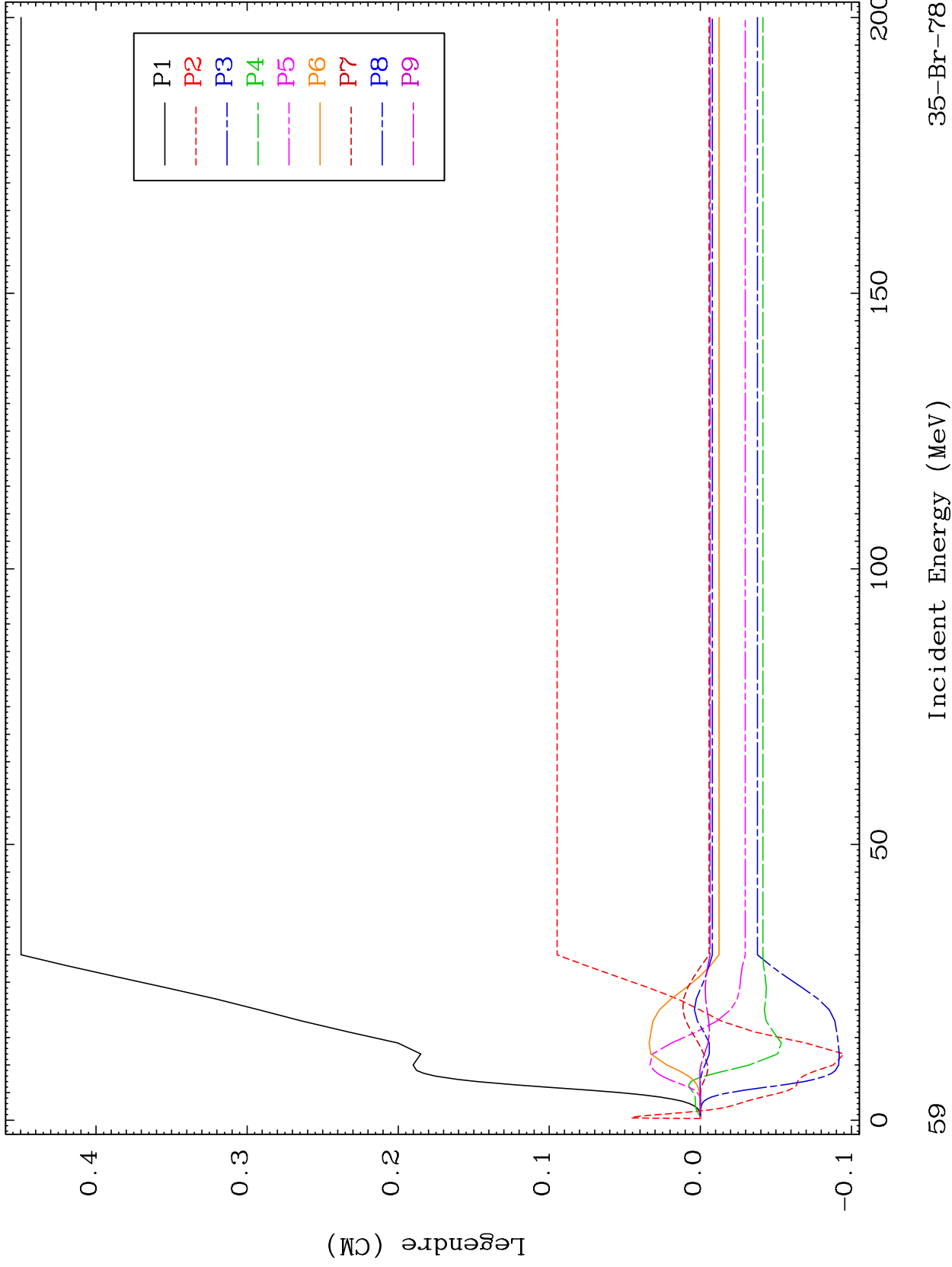




MAT 3522

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

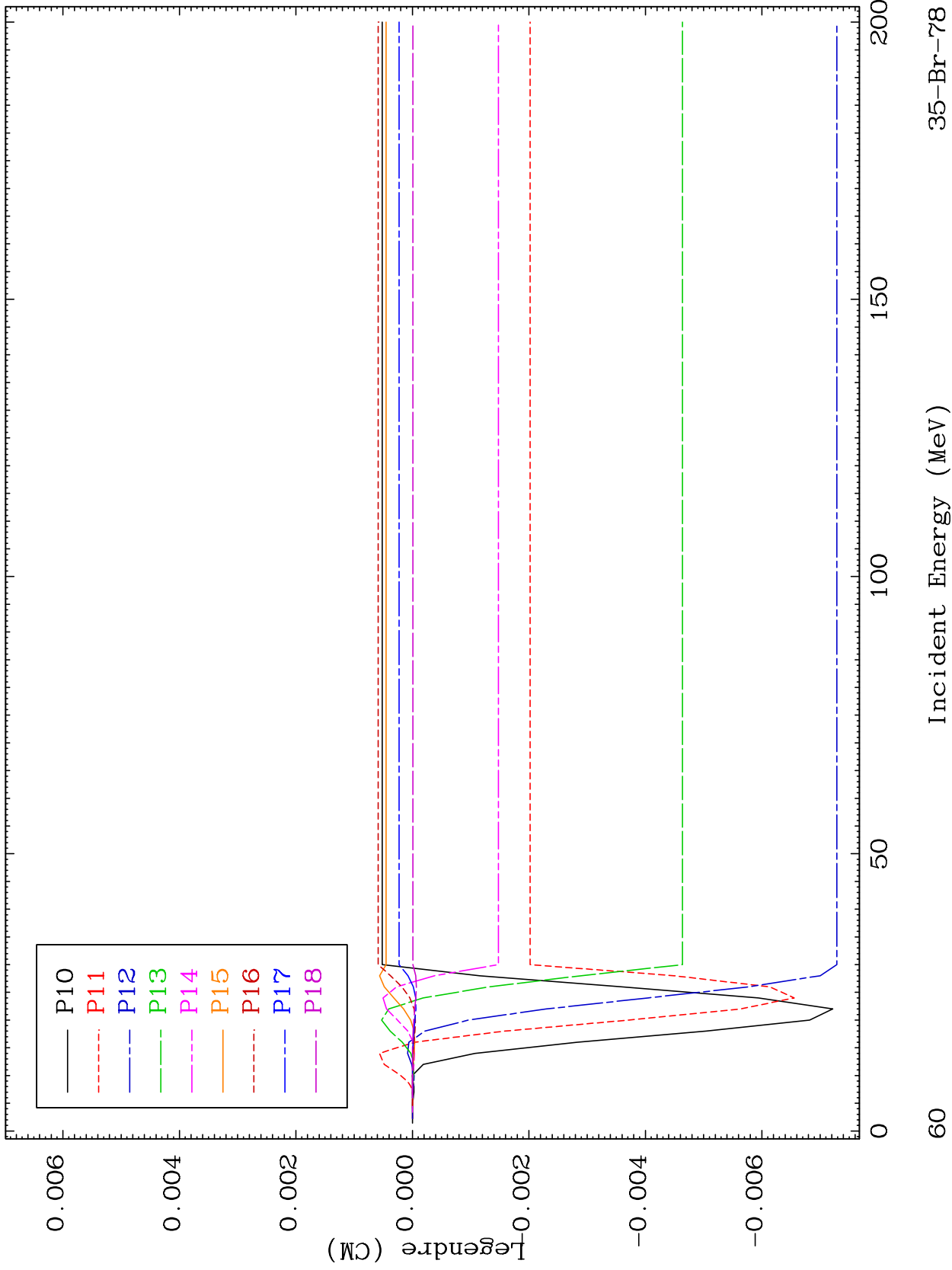
35-Br-78



MAT 3522

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

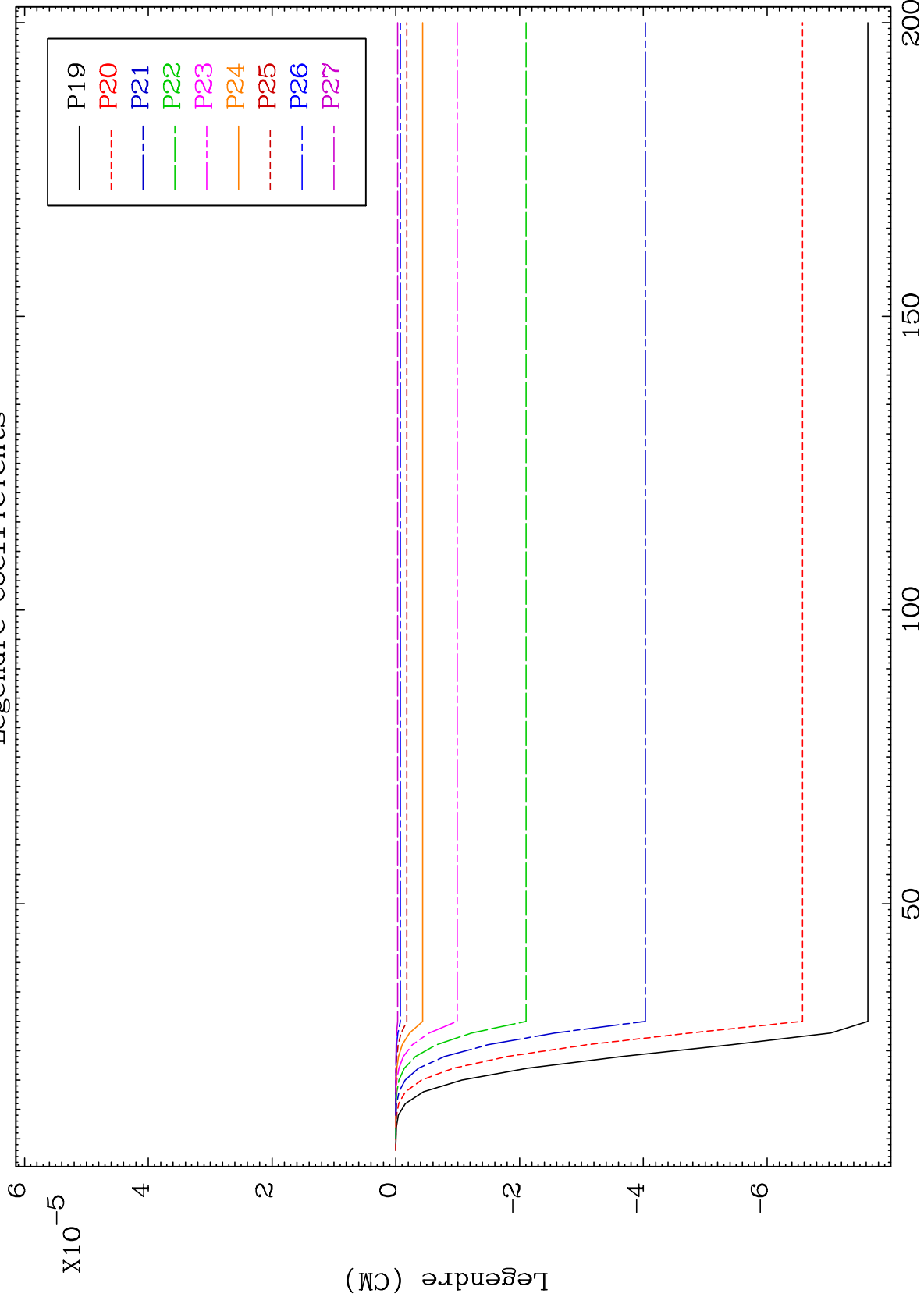
35-Br-78



MAT 3522

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

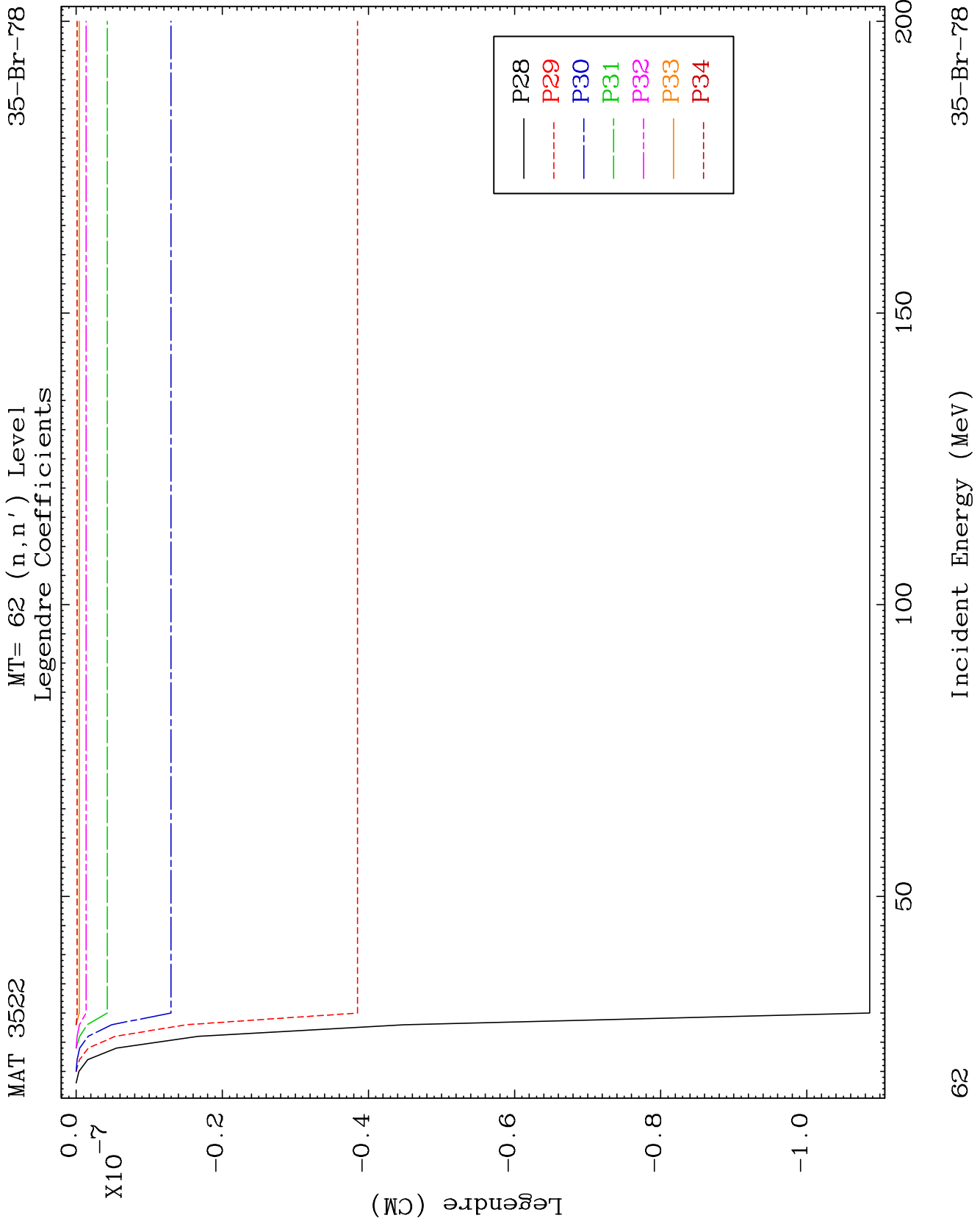
35-Br-78



61

Incident Energy (MeV)

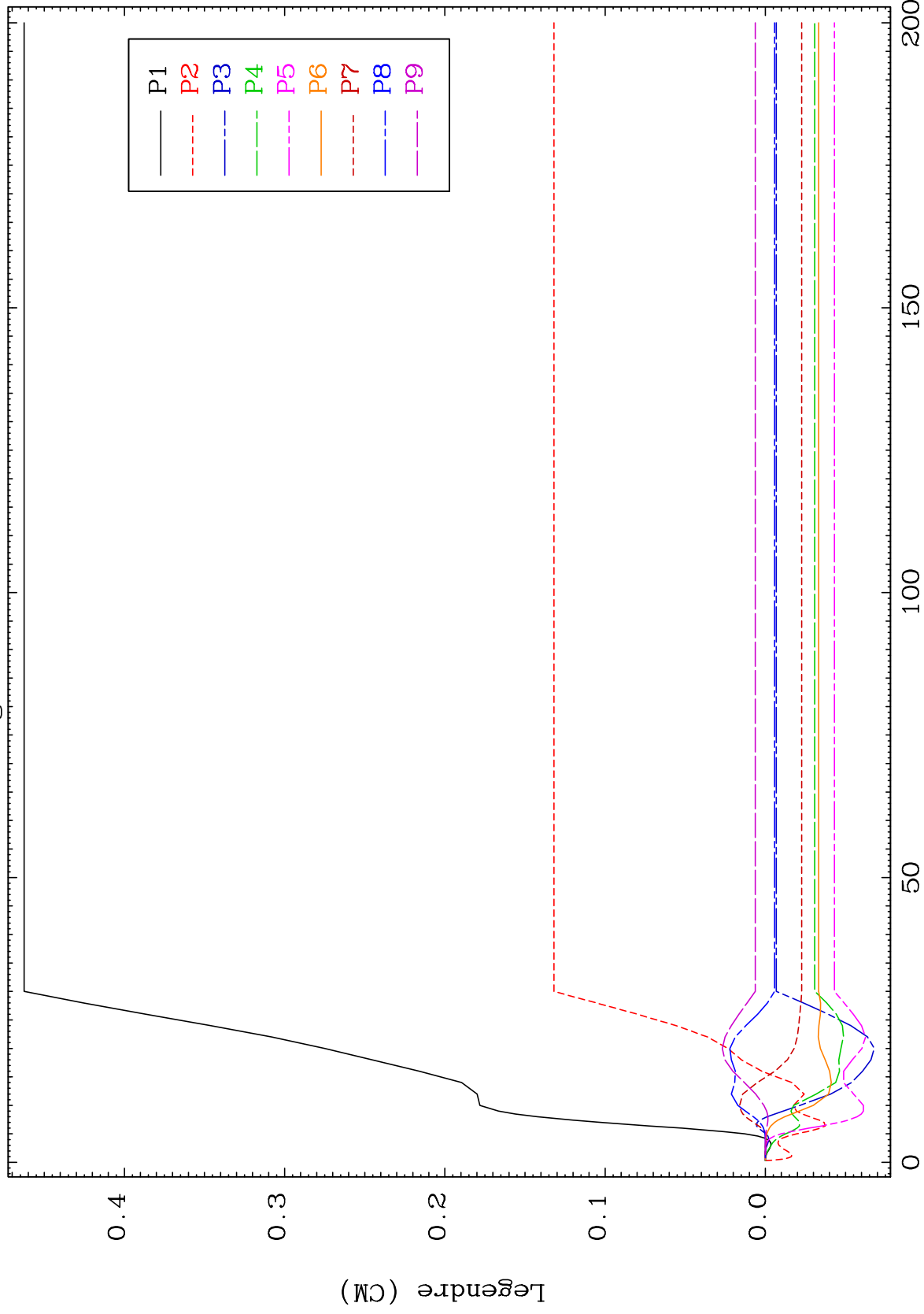
35-Br-78



MAT 3522

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

35-Br-78

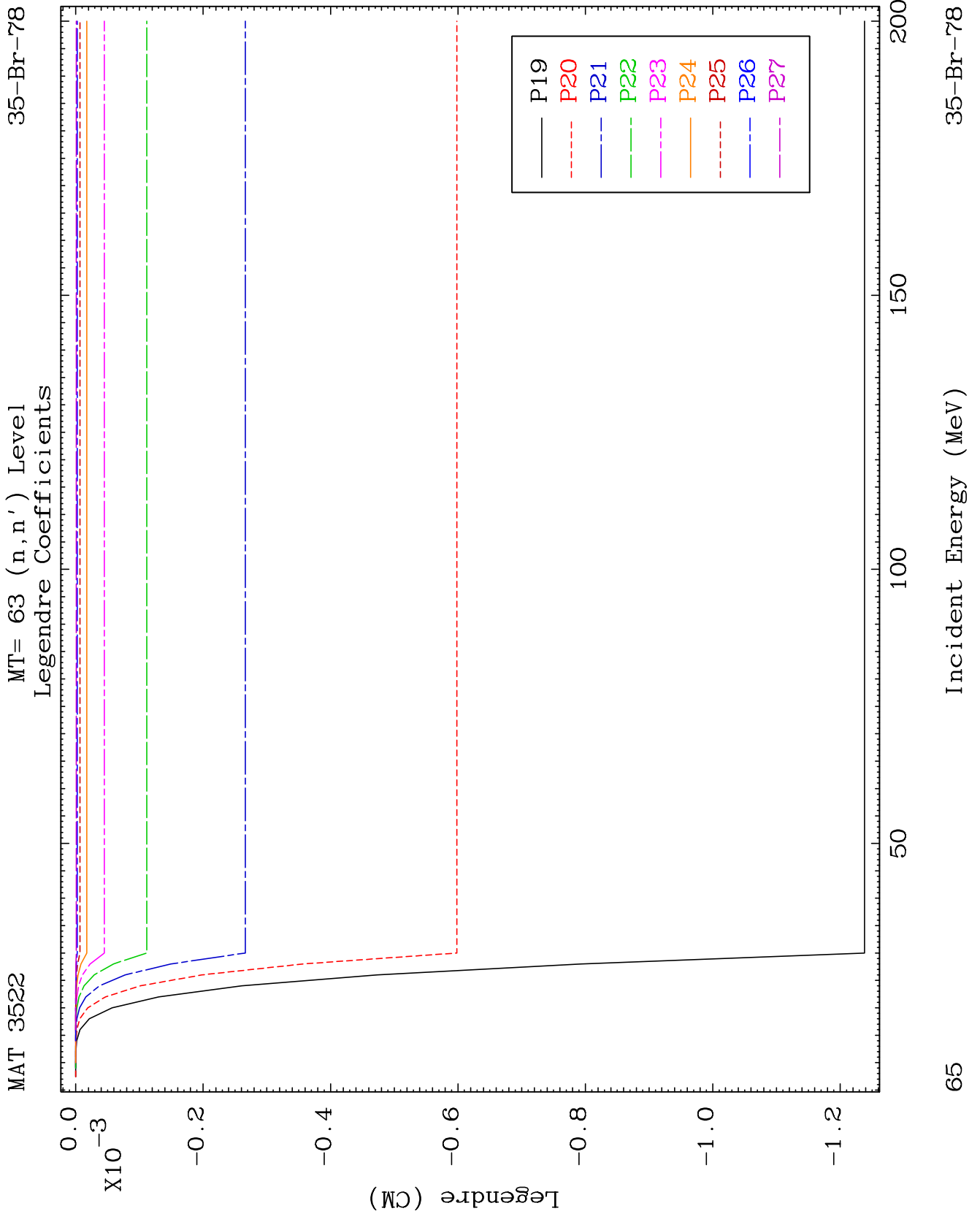


63

Incident Energy (MeV)

35-Br-78

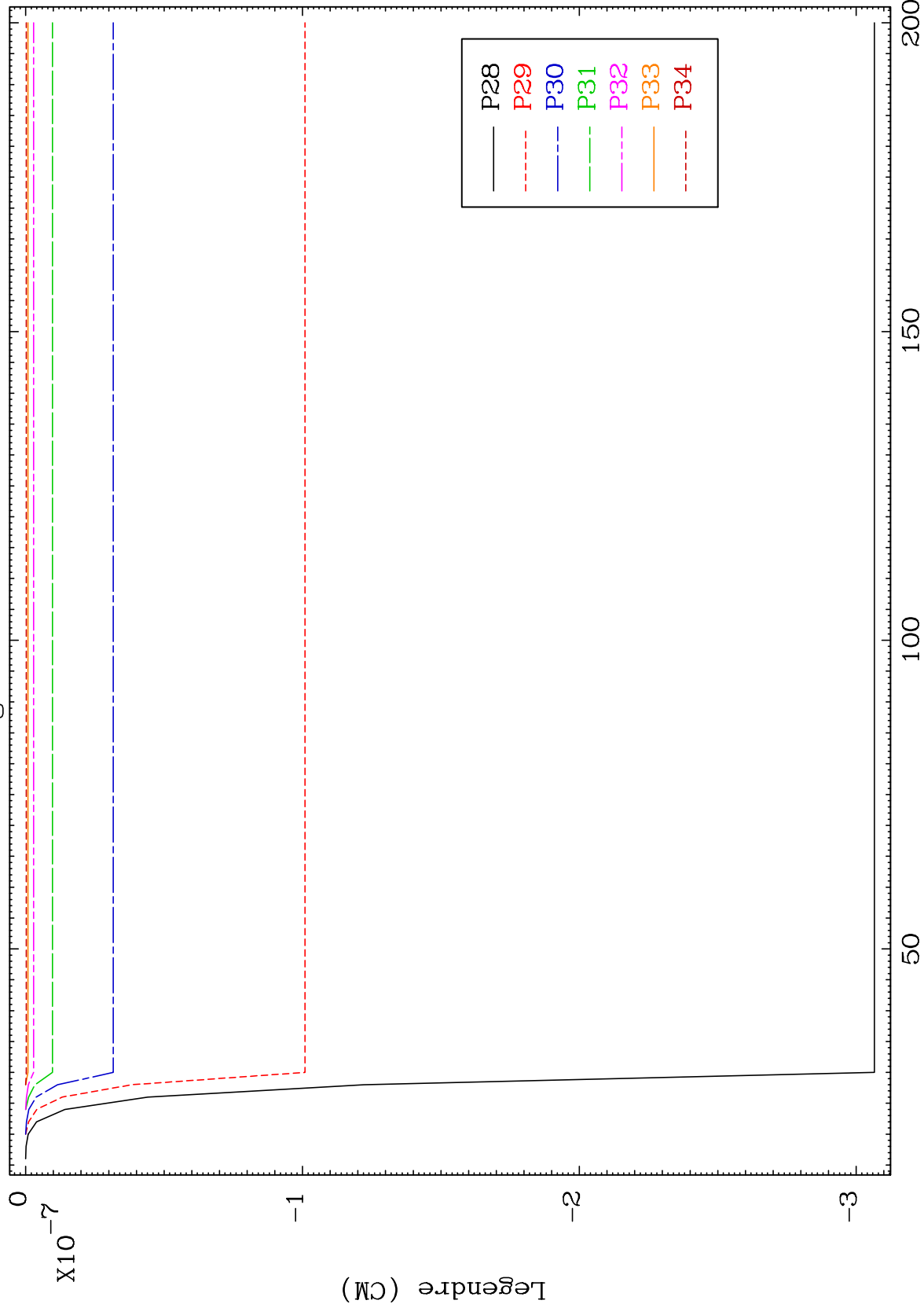




MAT 3522

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

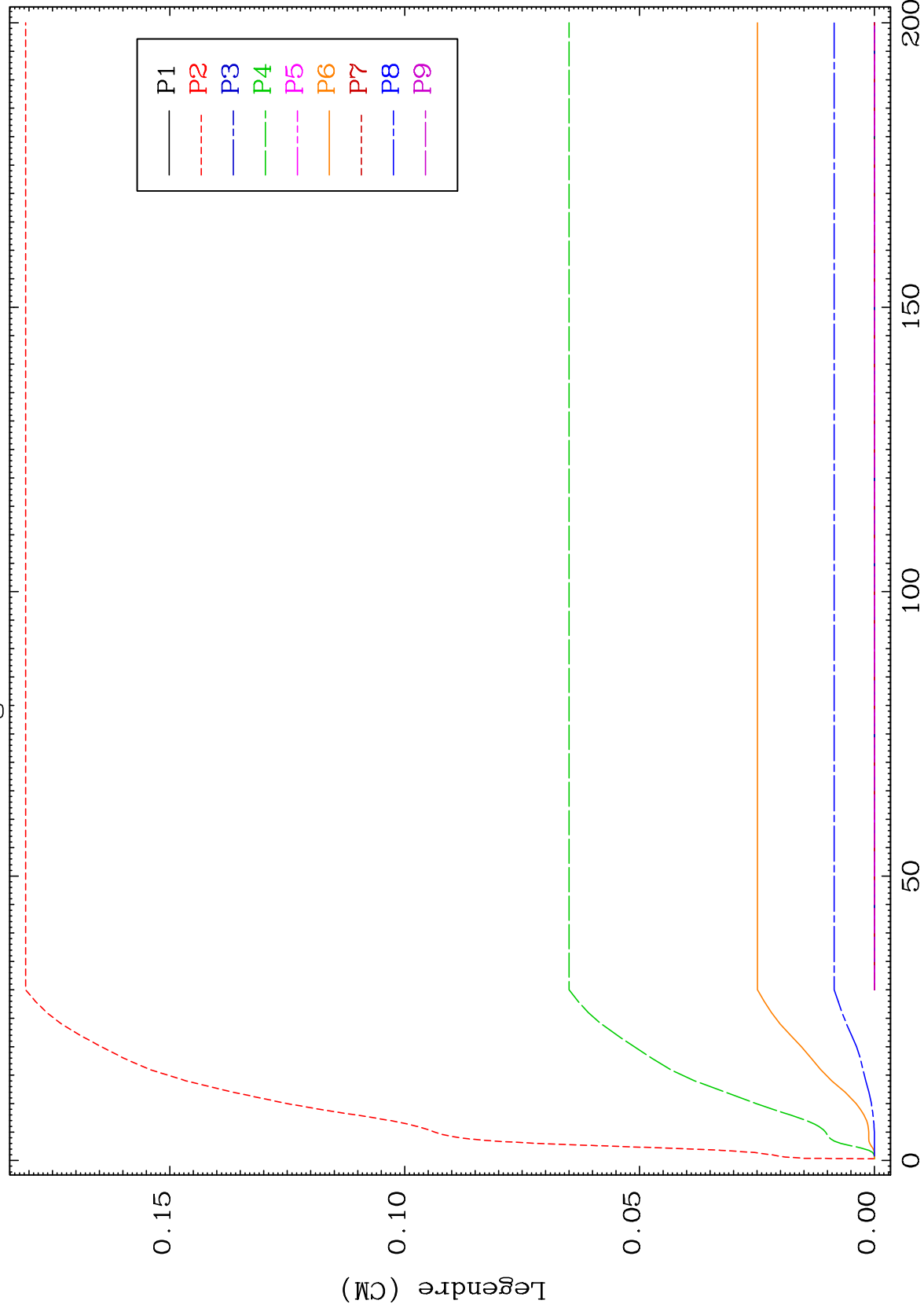
35-Br-78



MAT 3522

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

35-Br-78



67

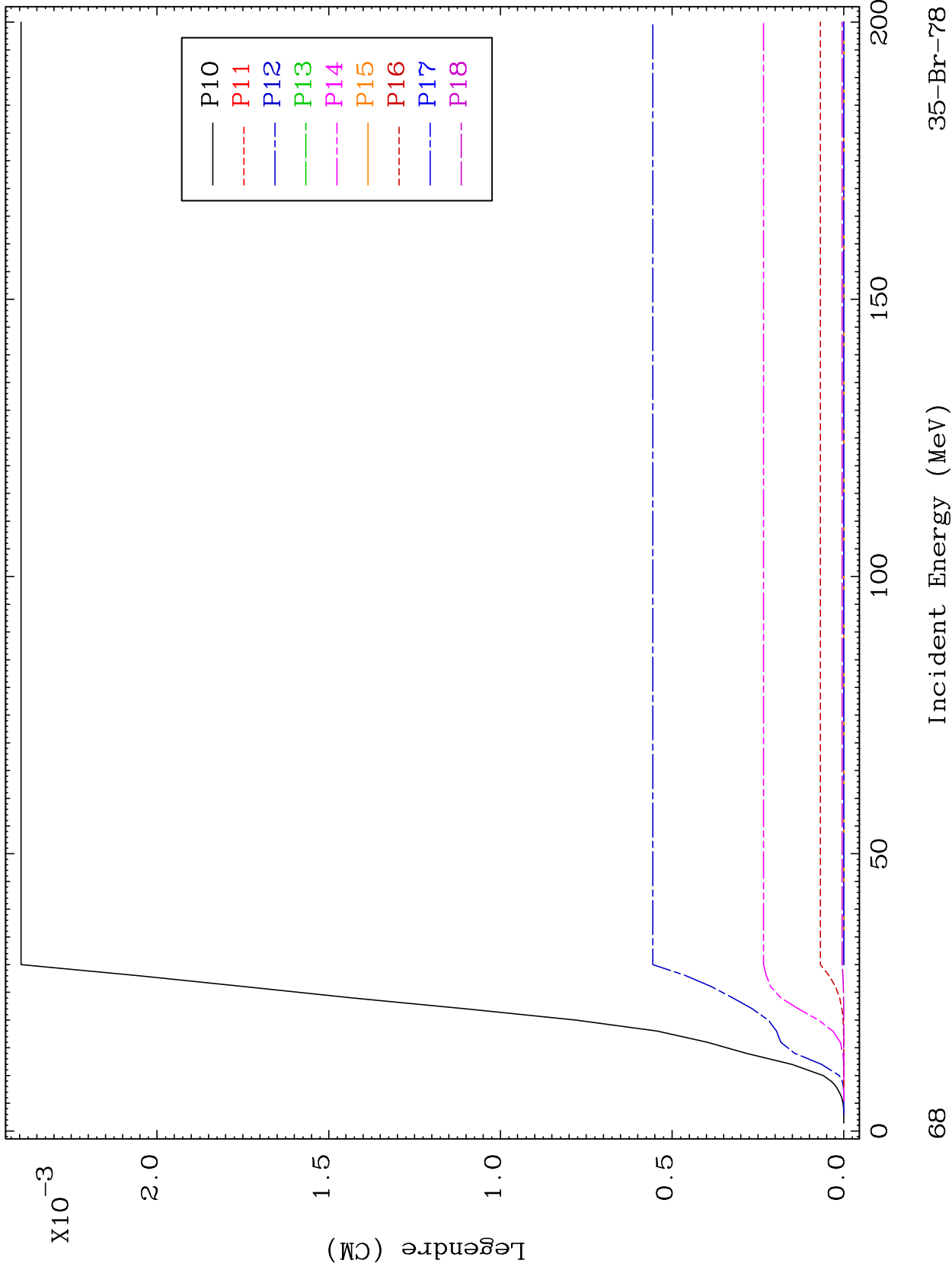
Incident Energy (MeV)

35-Br-78

MAT 3522

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

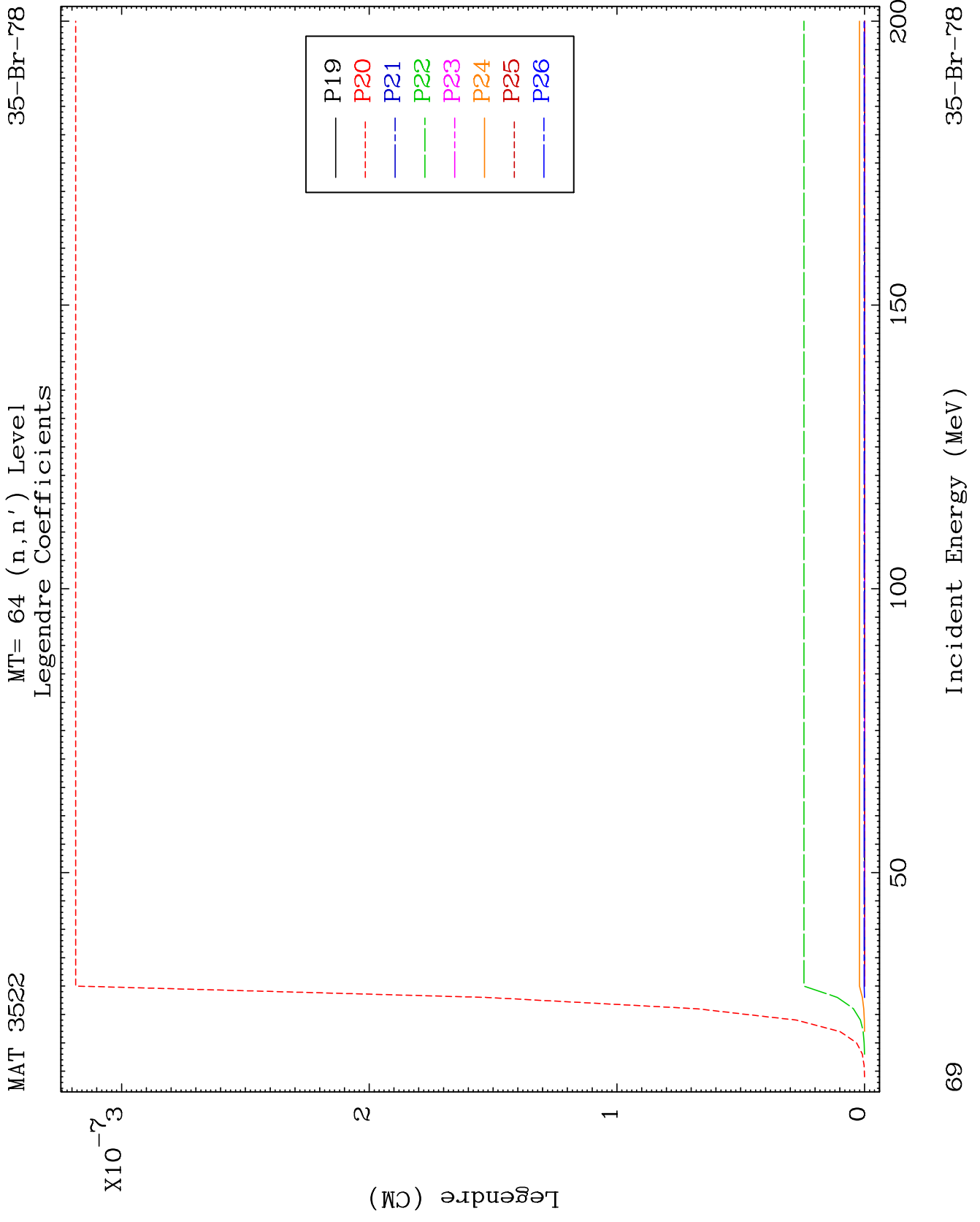
35-Br-78



68

Incident Energy (MeV)

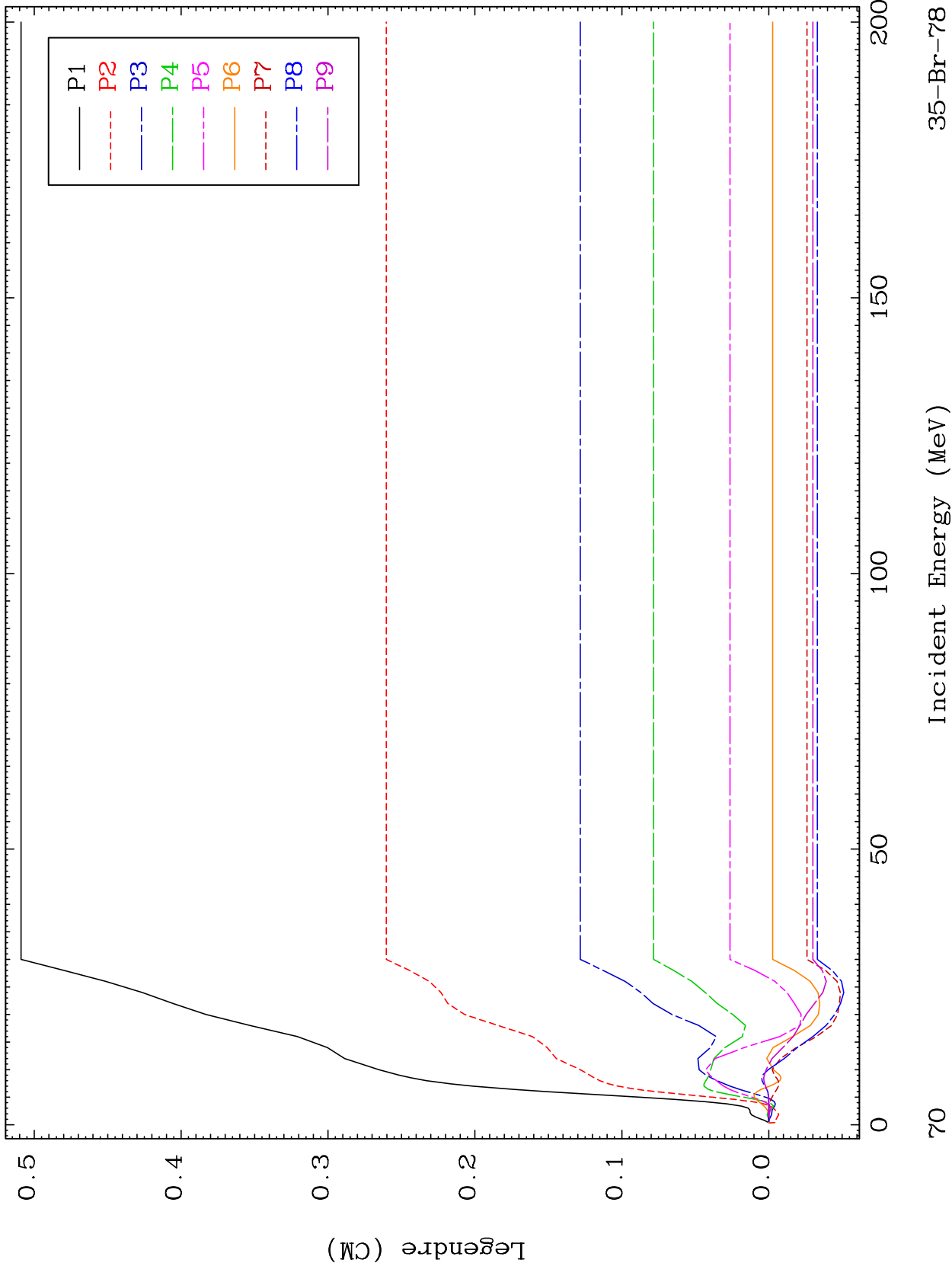
35-Br-78



MAT 3522

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

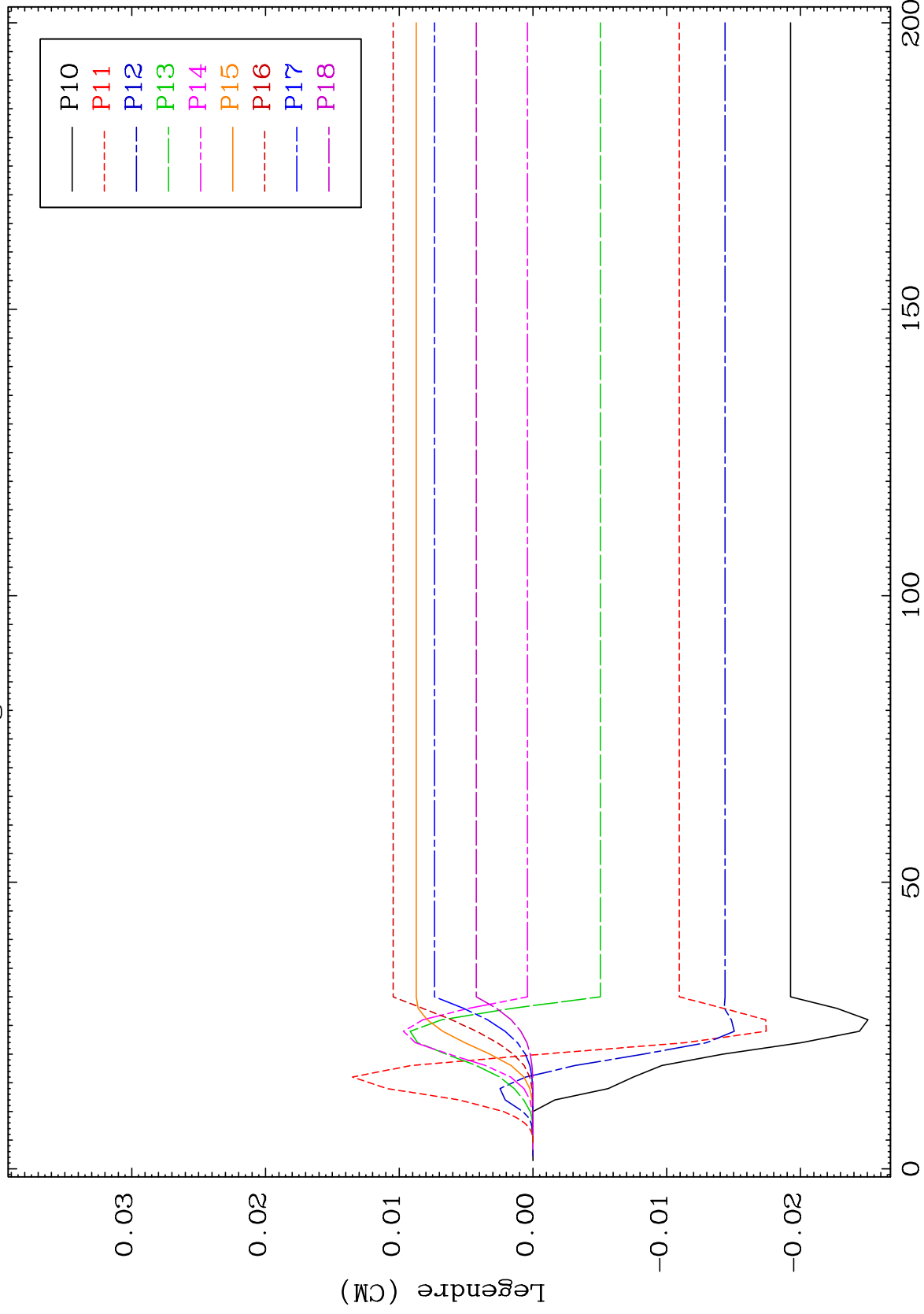
35-Br-78



MAT 3522

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

35-Br-78



71

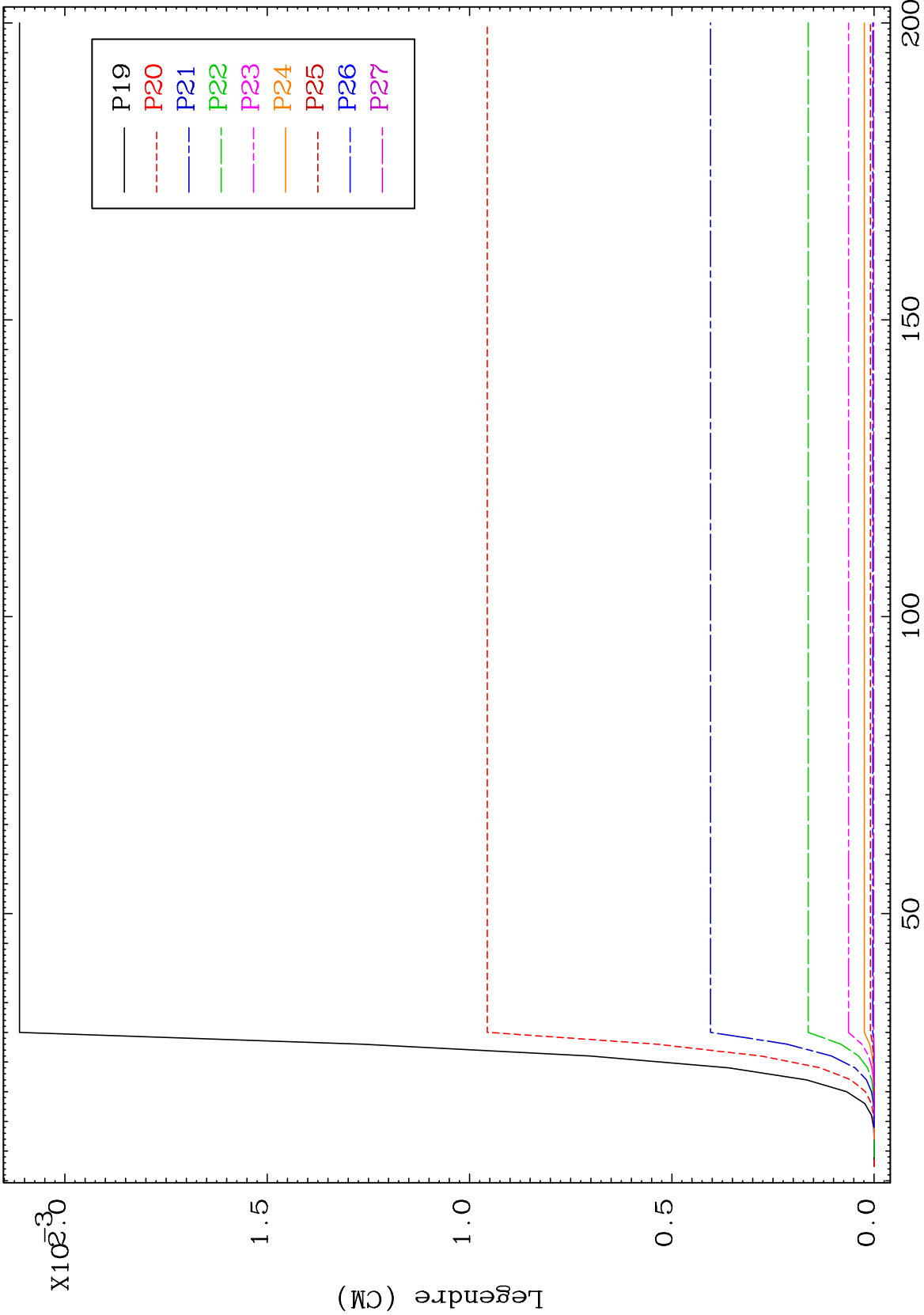
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



72

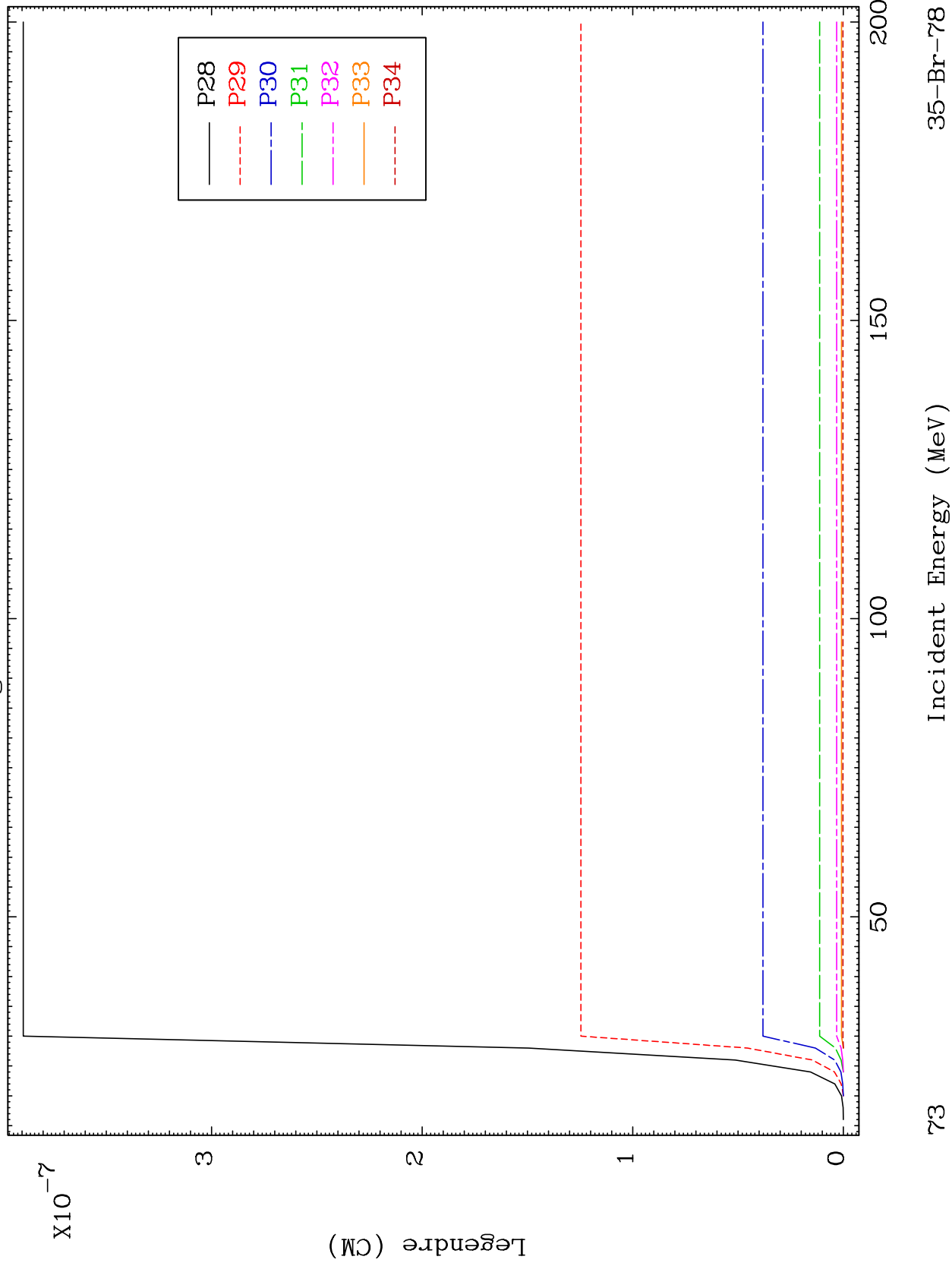
Incident Energy (MeV)

35-Br-78

MAT 3522

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

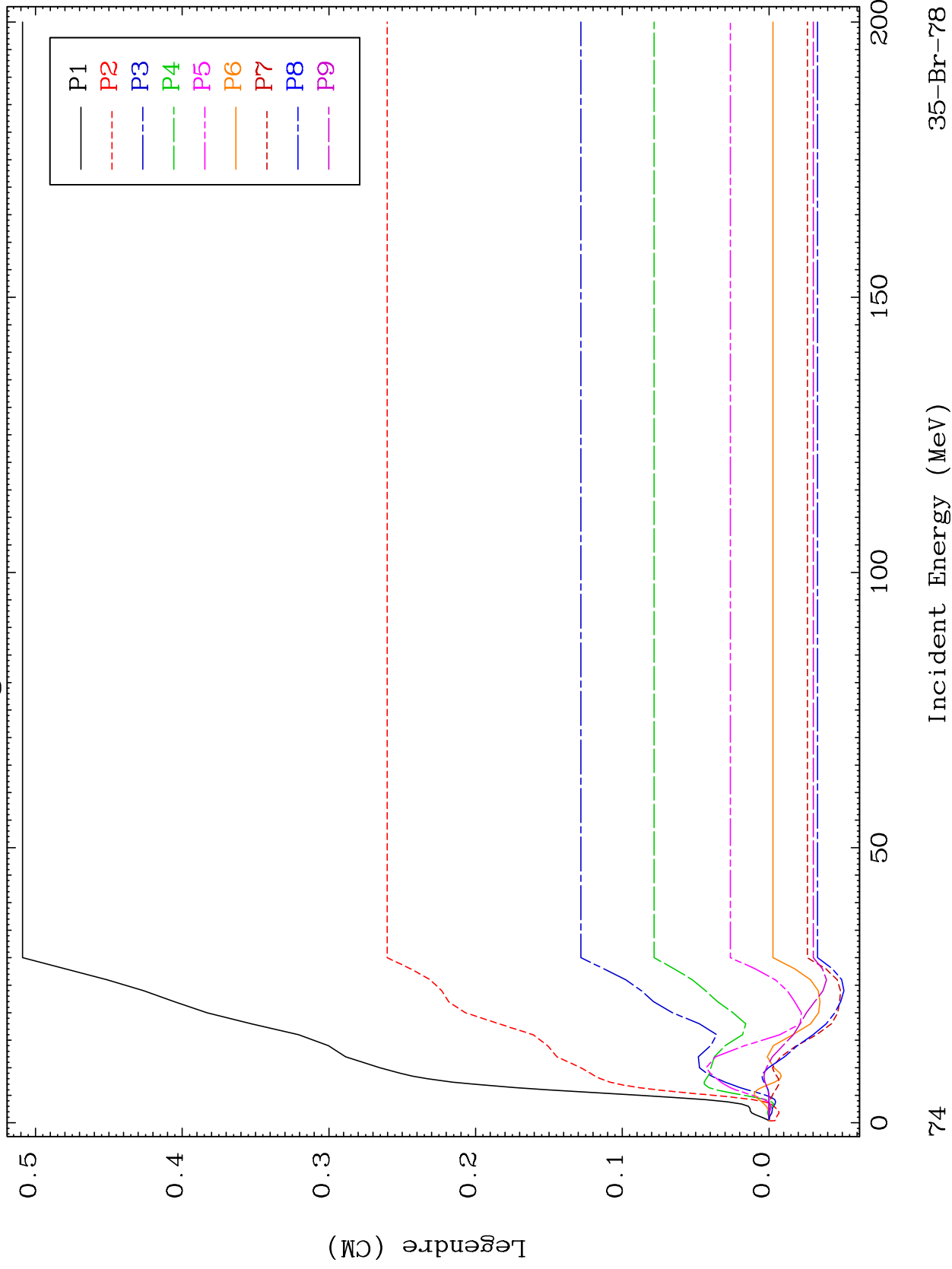
35-Br-78



MAT 3522

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

35-Br-78



35-Br-78

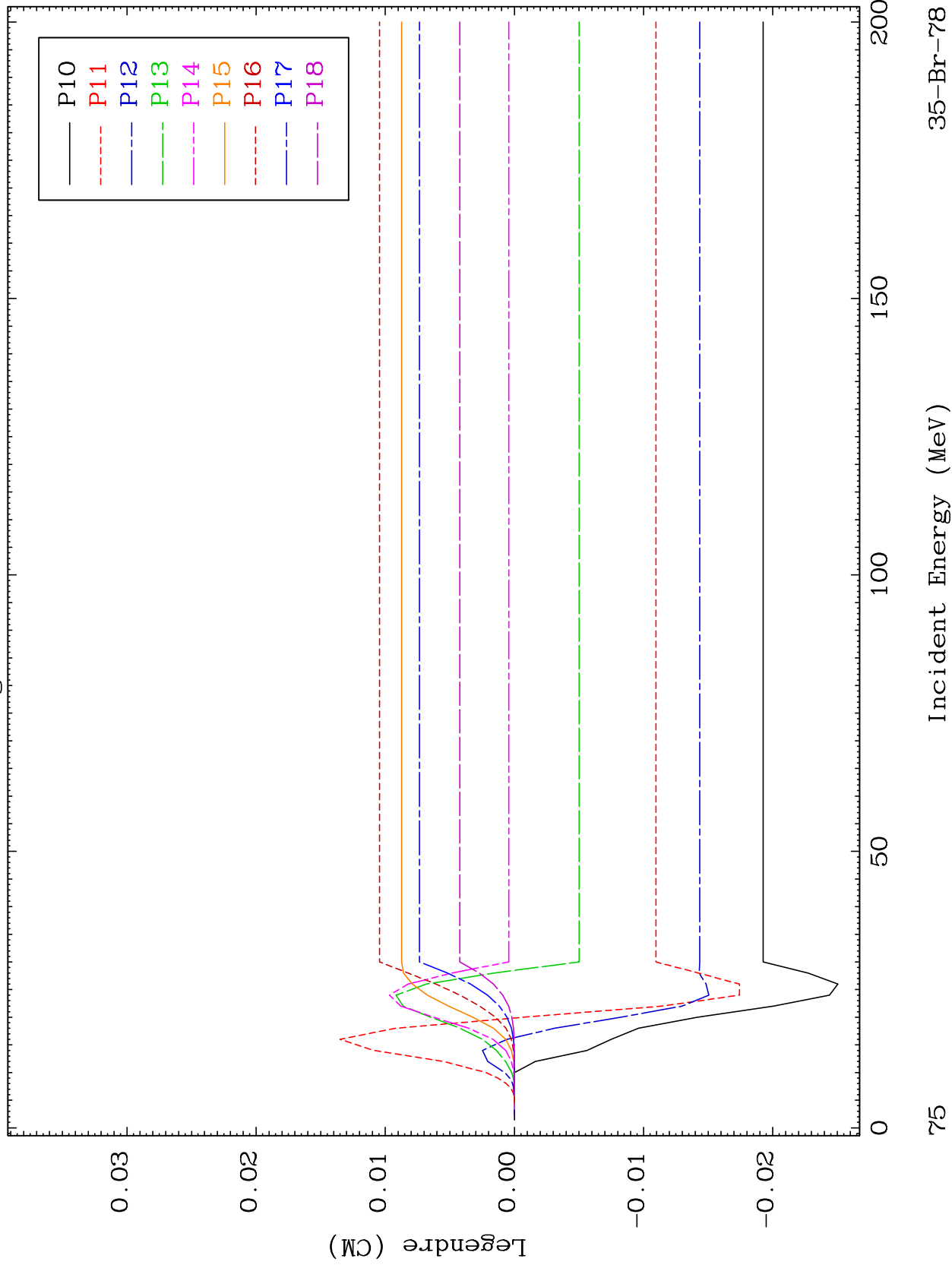
Incident Energy (MeV)

74

MAT 3522

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

35-Br-78



35-Br-78

Incident Energy (MeV)

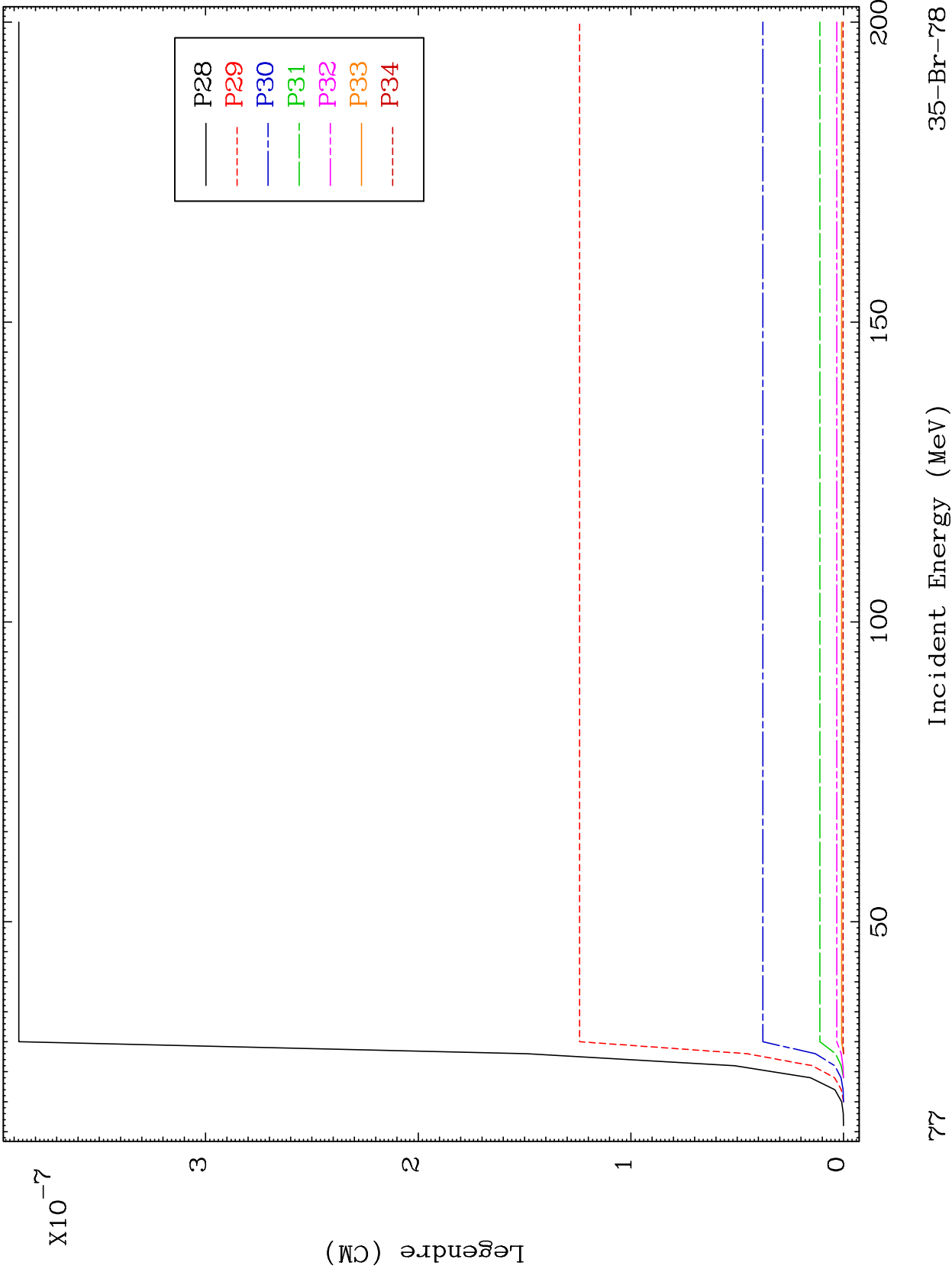
75



MAT 3522

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

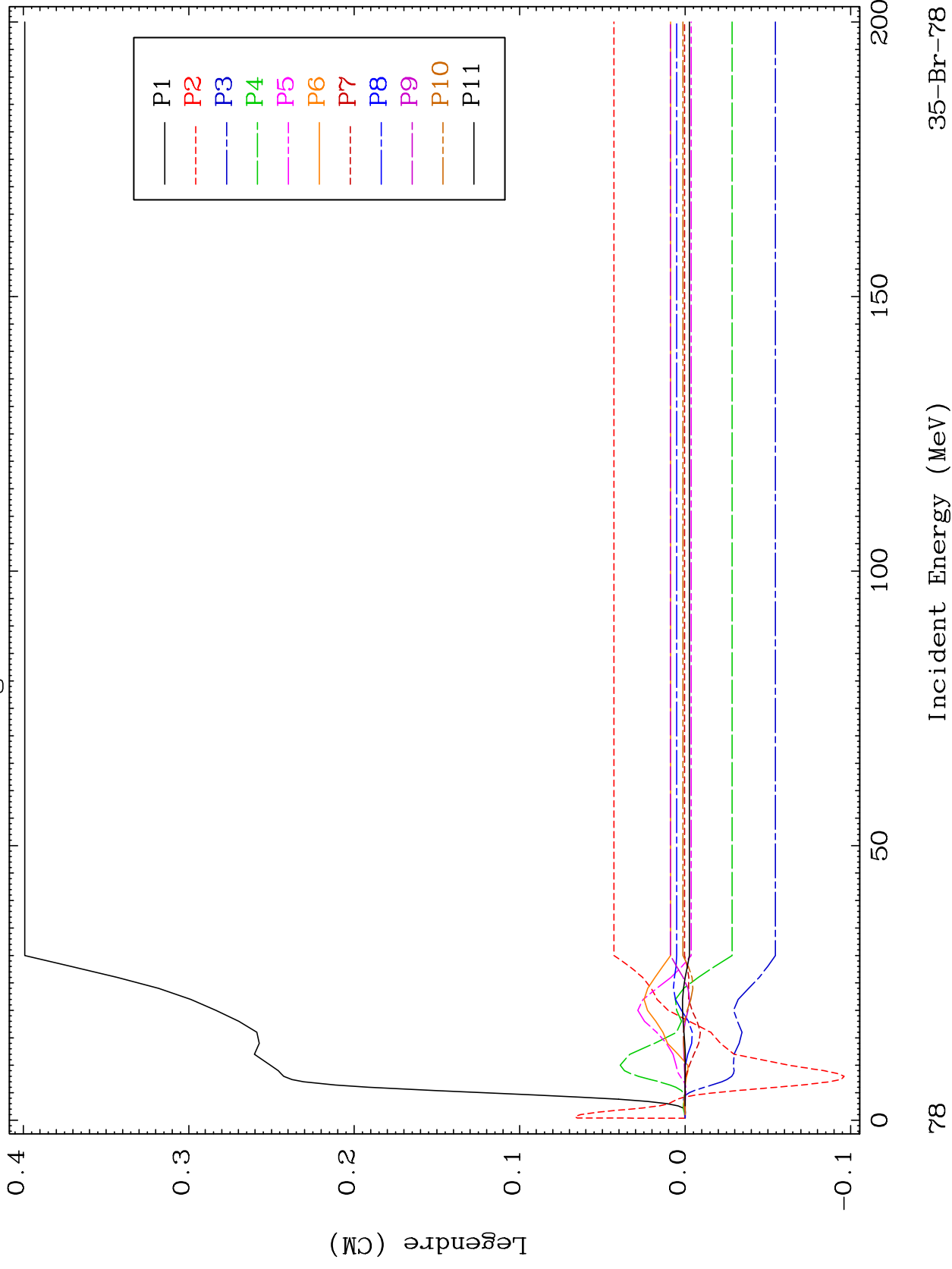
35-Br-78



MAT 3522

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

35-Br-78



35-Br-78

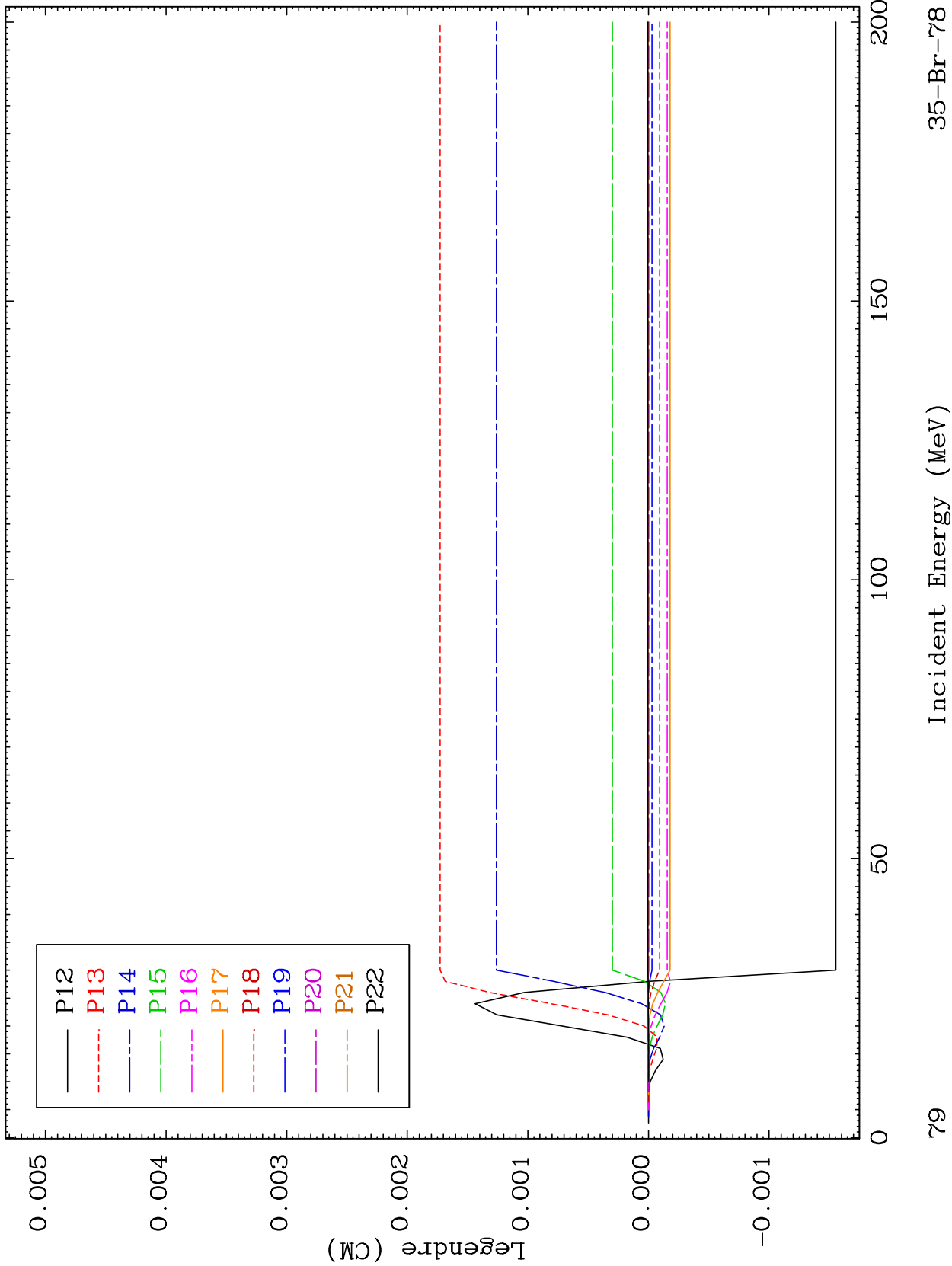
Incident Energy (MeV)

78

MAT 3522

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

35-Br-78



79

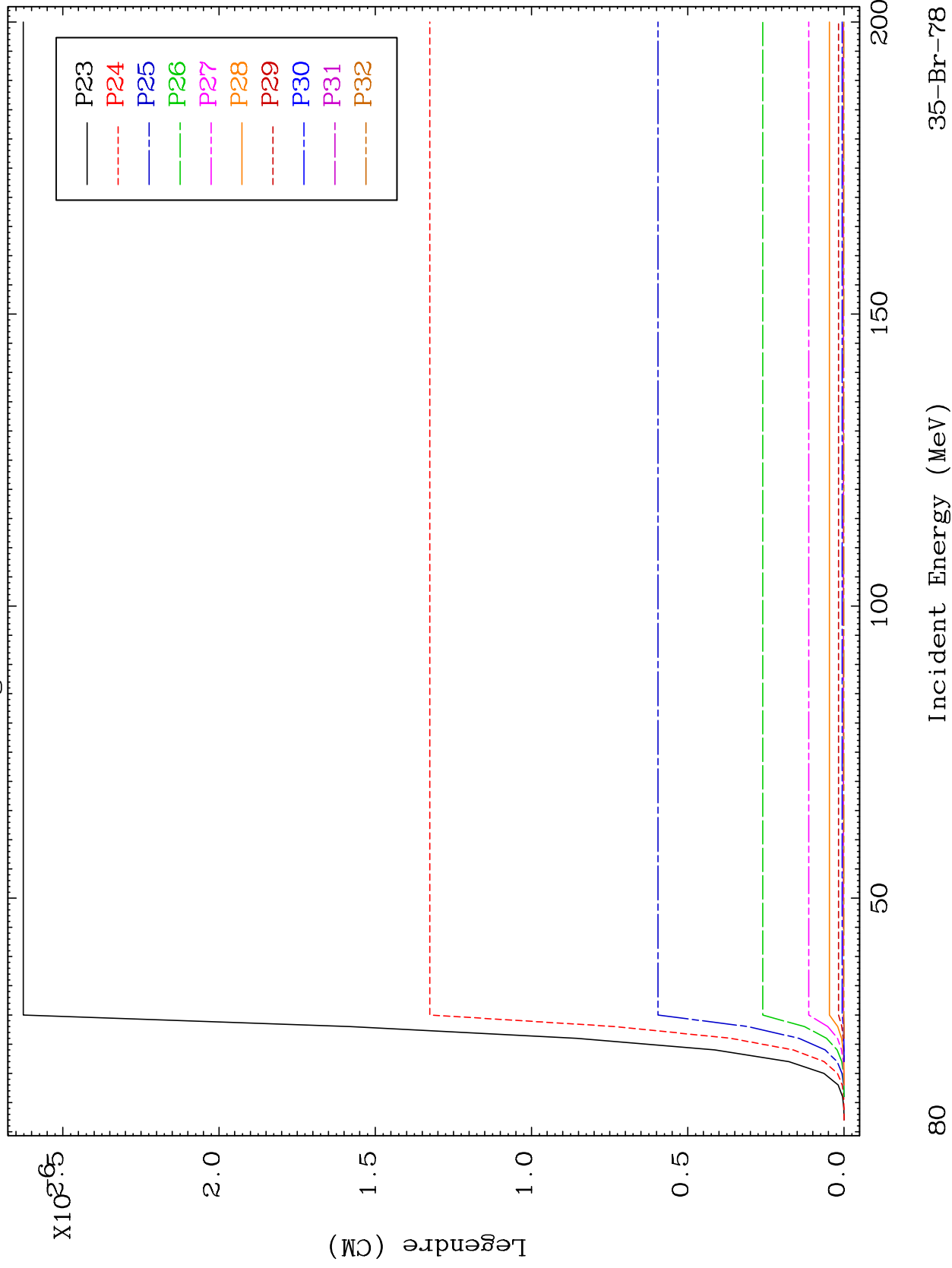
Incident Energy (MeV)

35-Br-78

MAT 3522

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

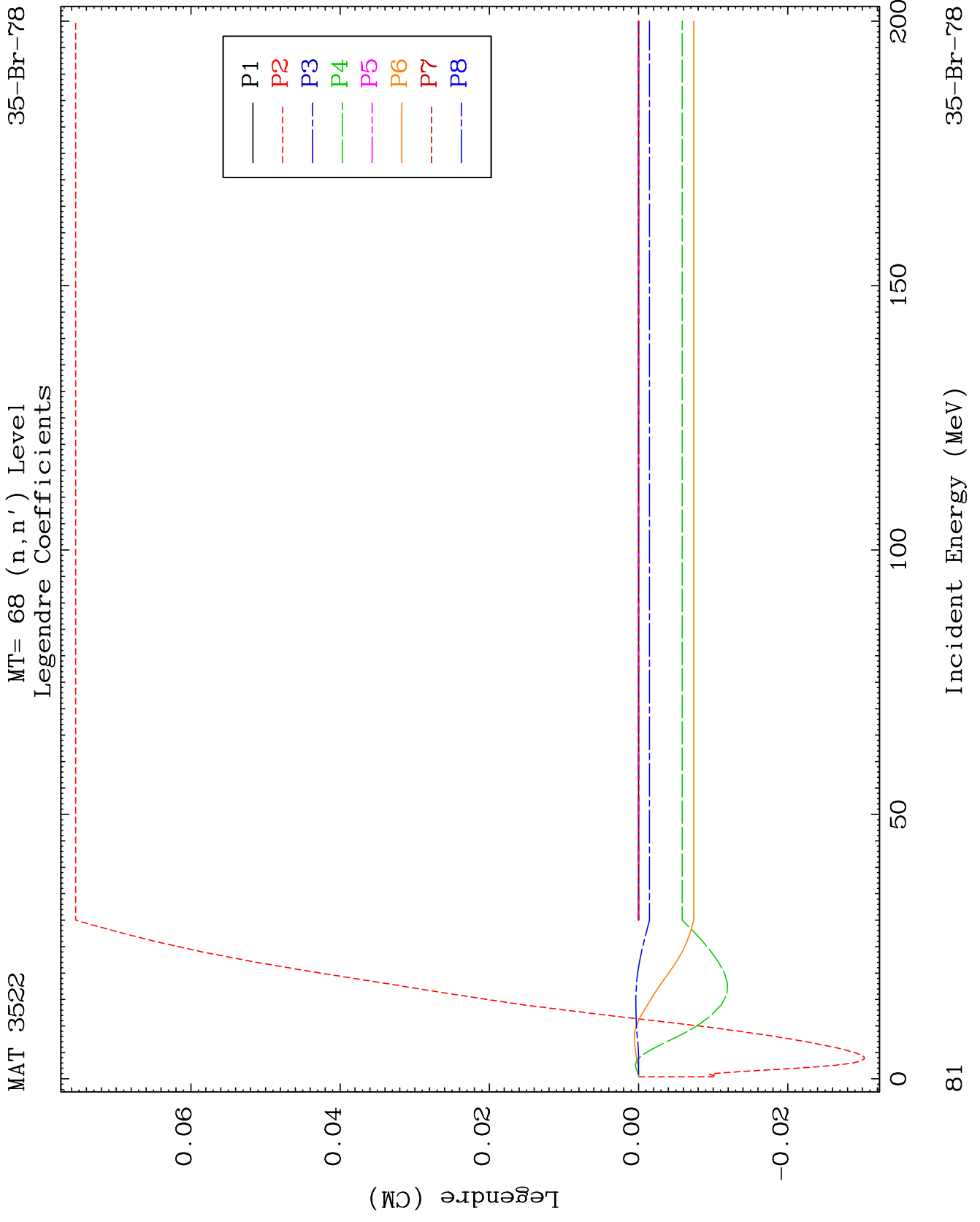
35-Br-78



80

Incident Energy (MeV)

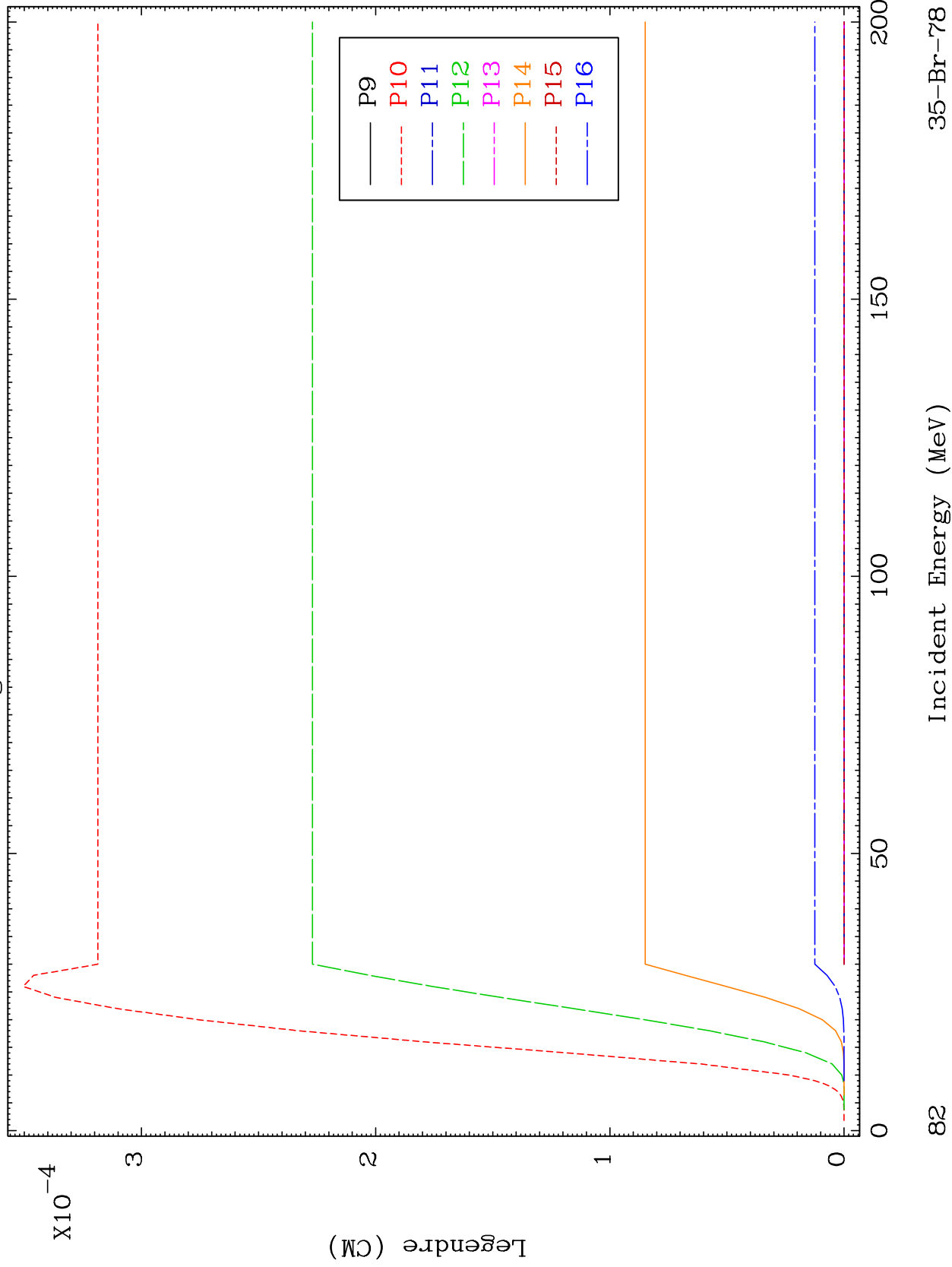
35-Br-78

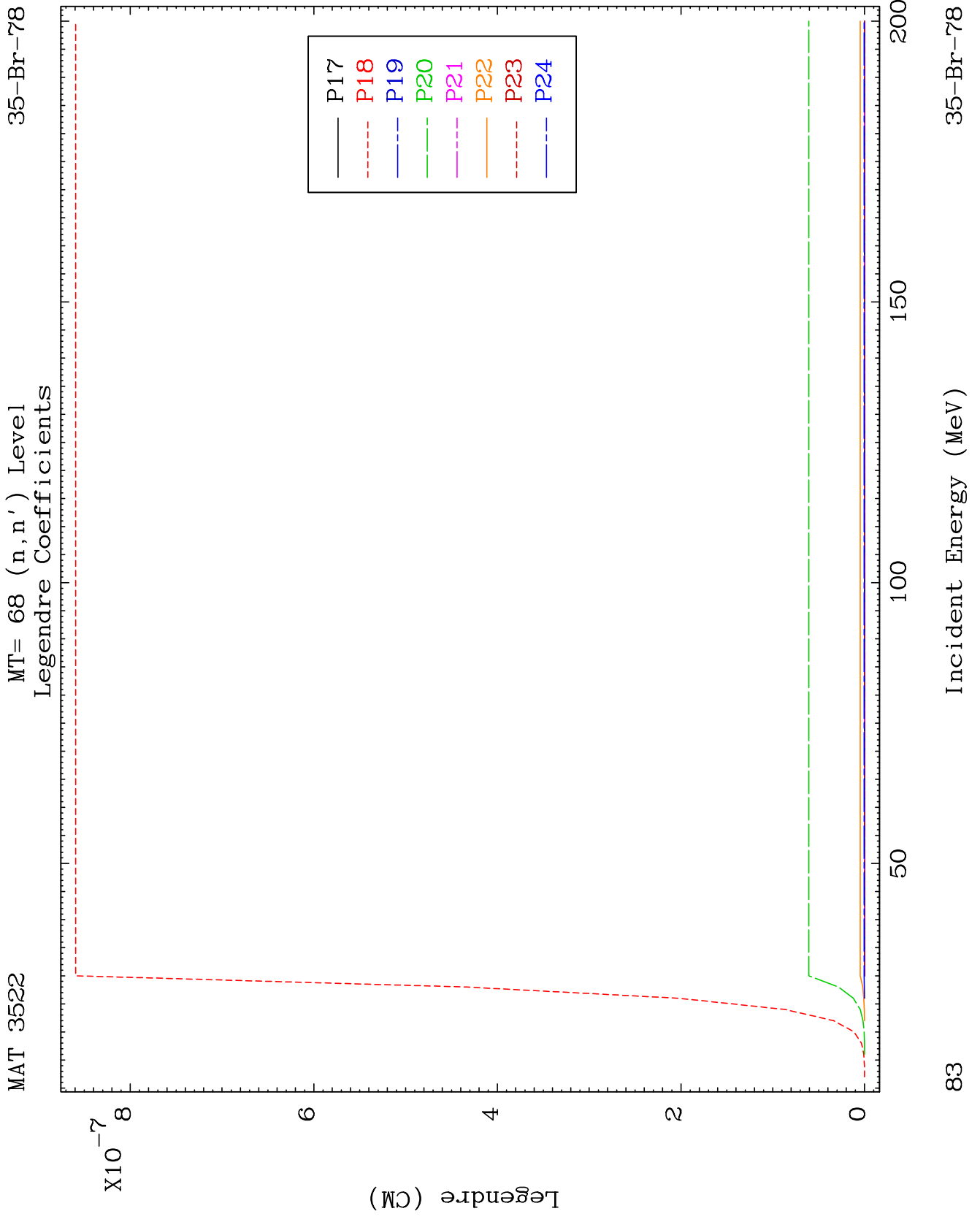


MAT 3522

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

35-Br-78

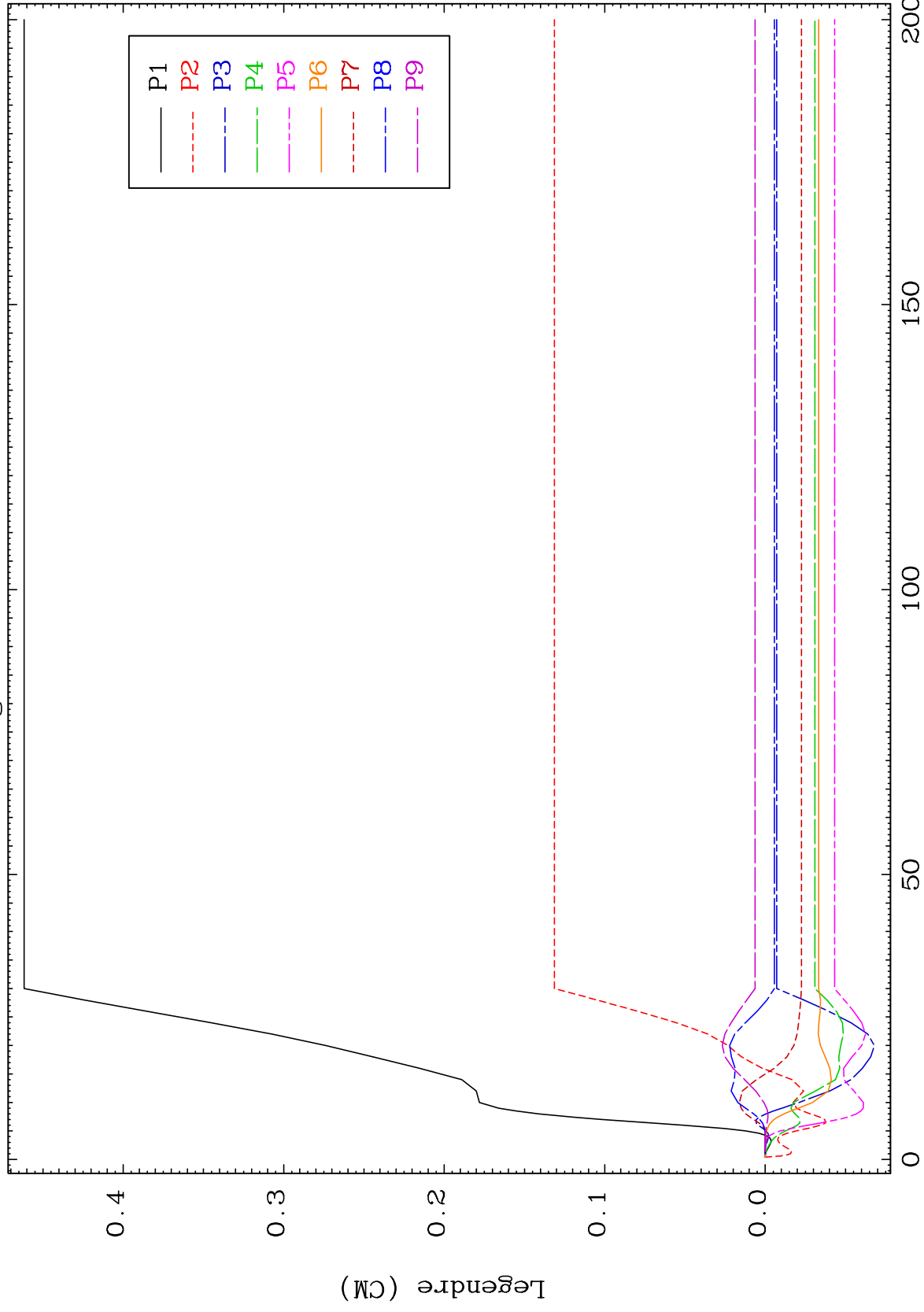




MAT 3522

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

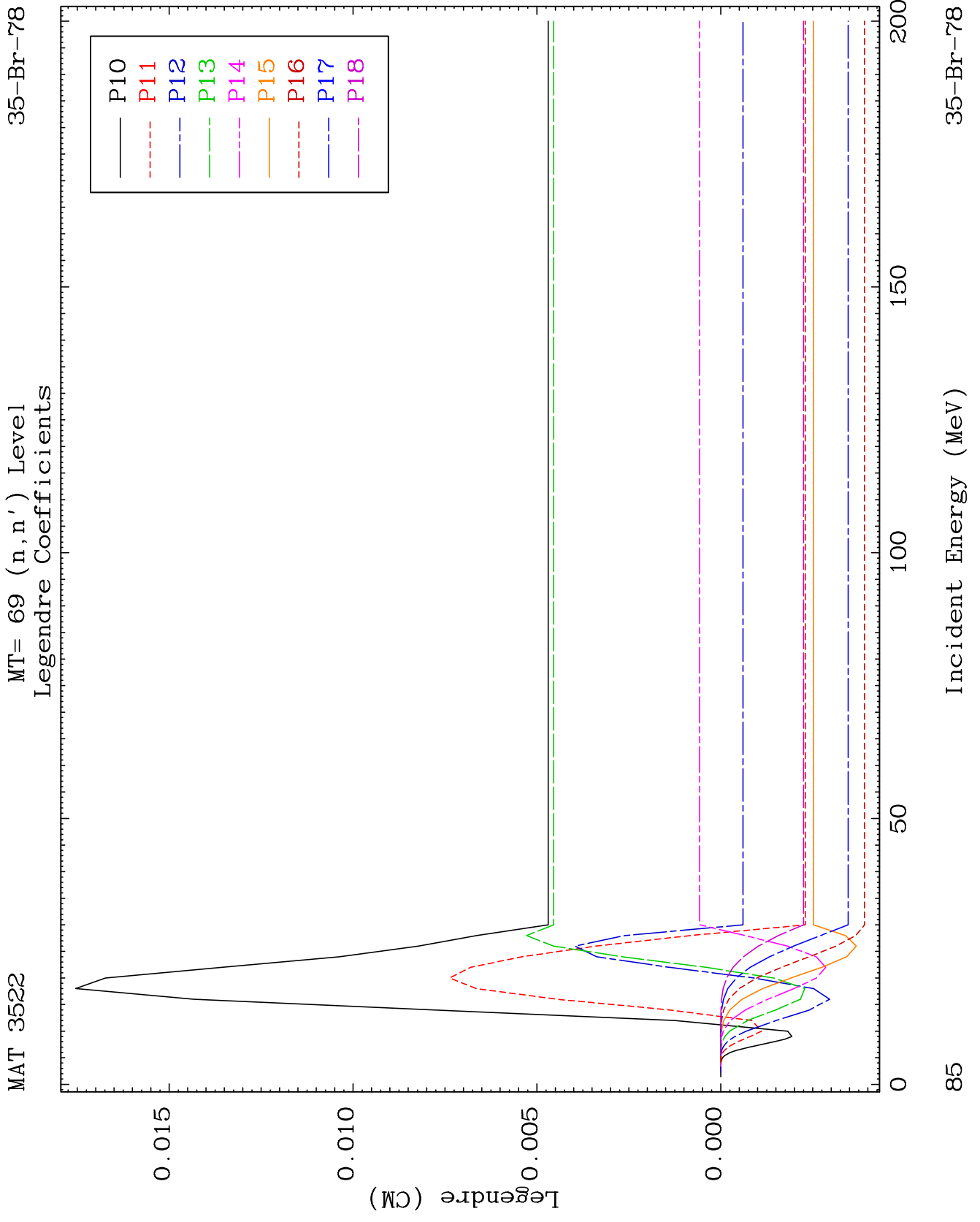
35-Br-78

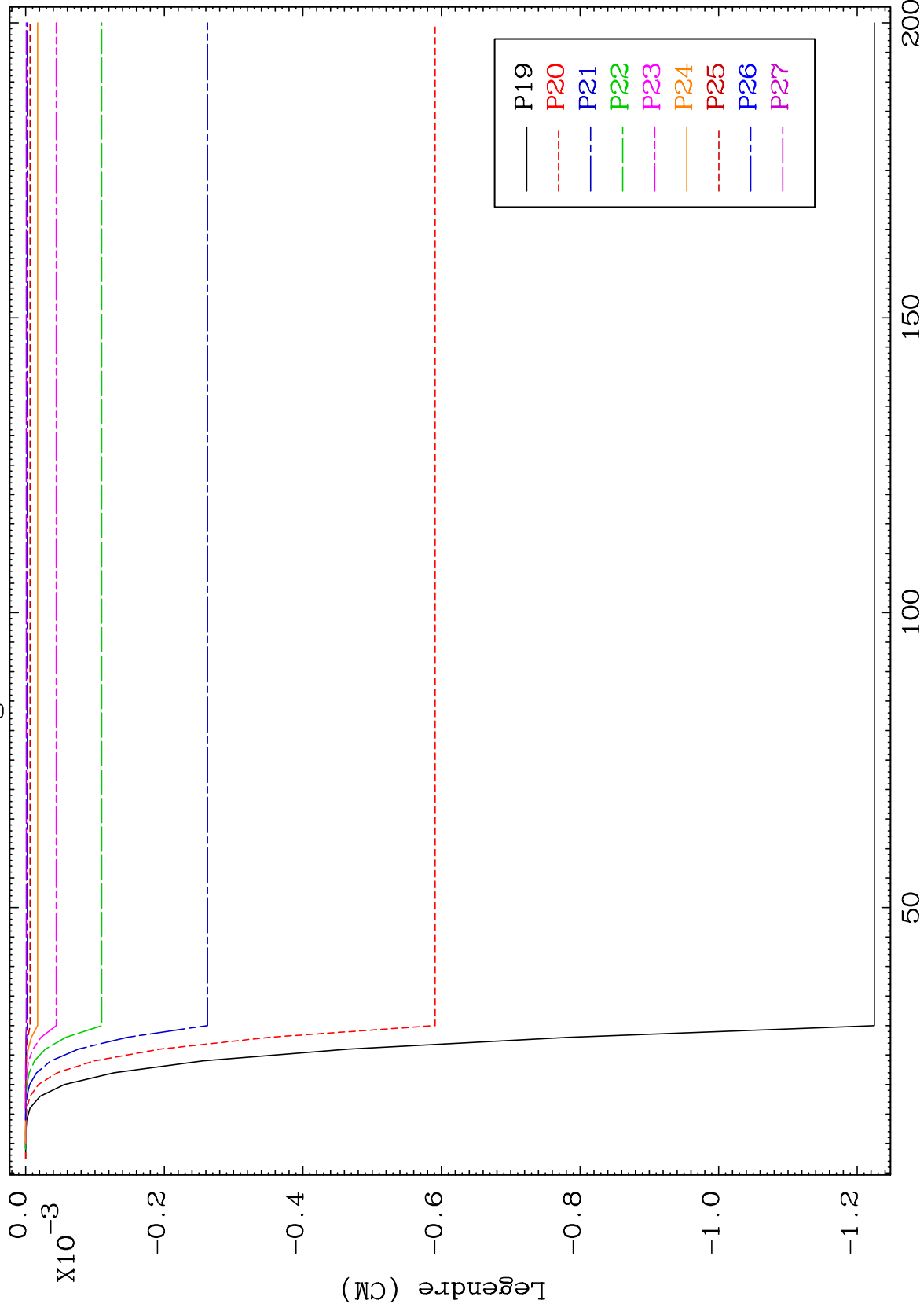


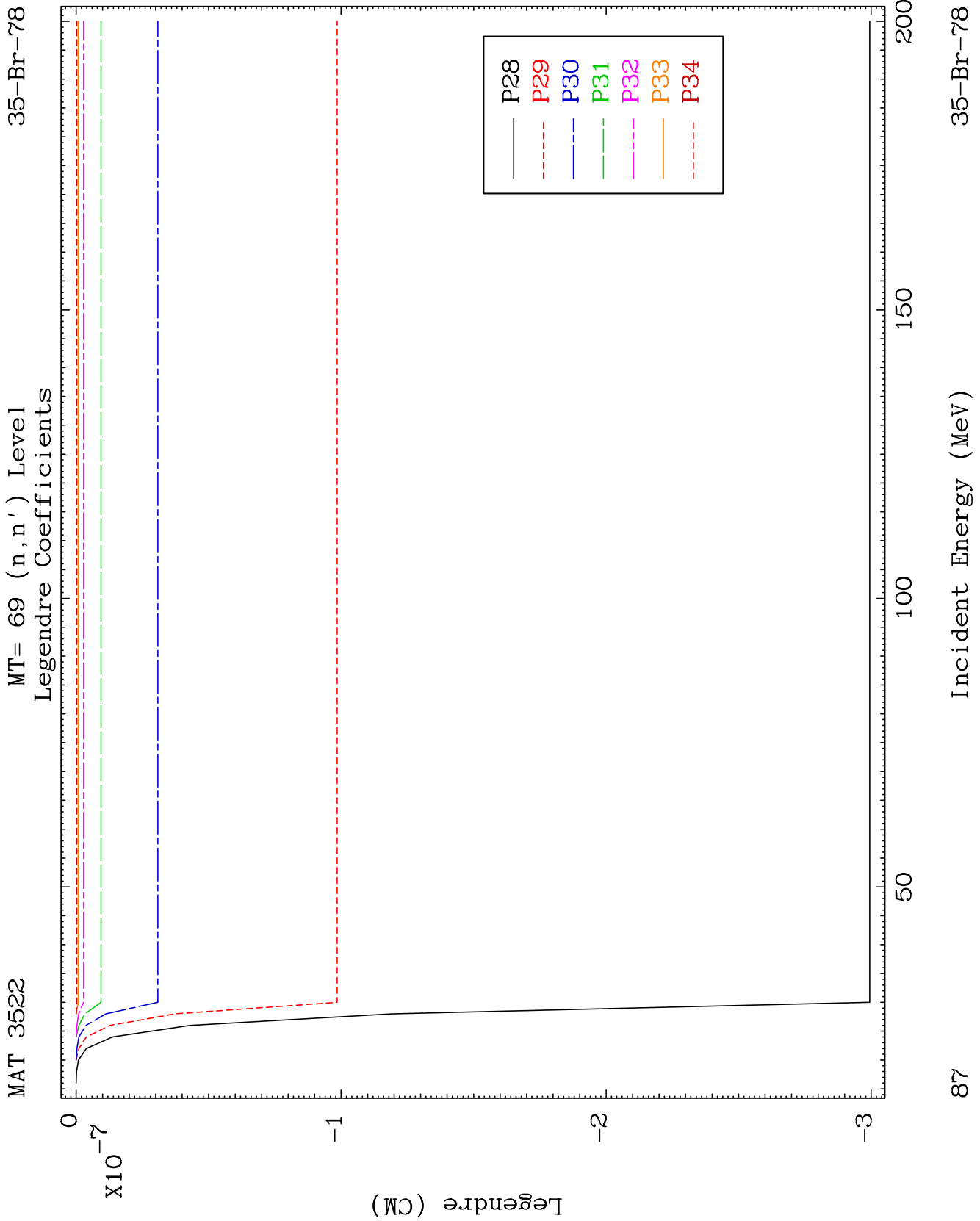
84

Incident Energy (MeV)

35-Br-78



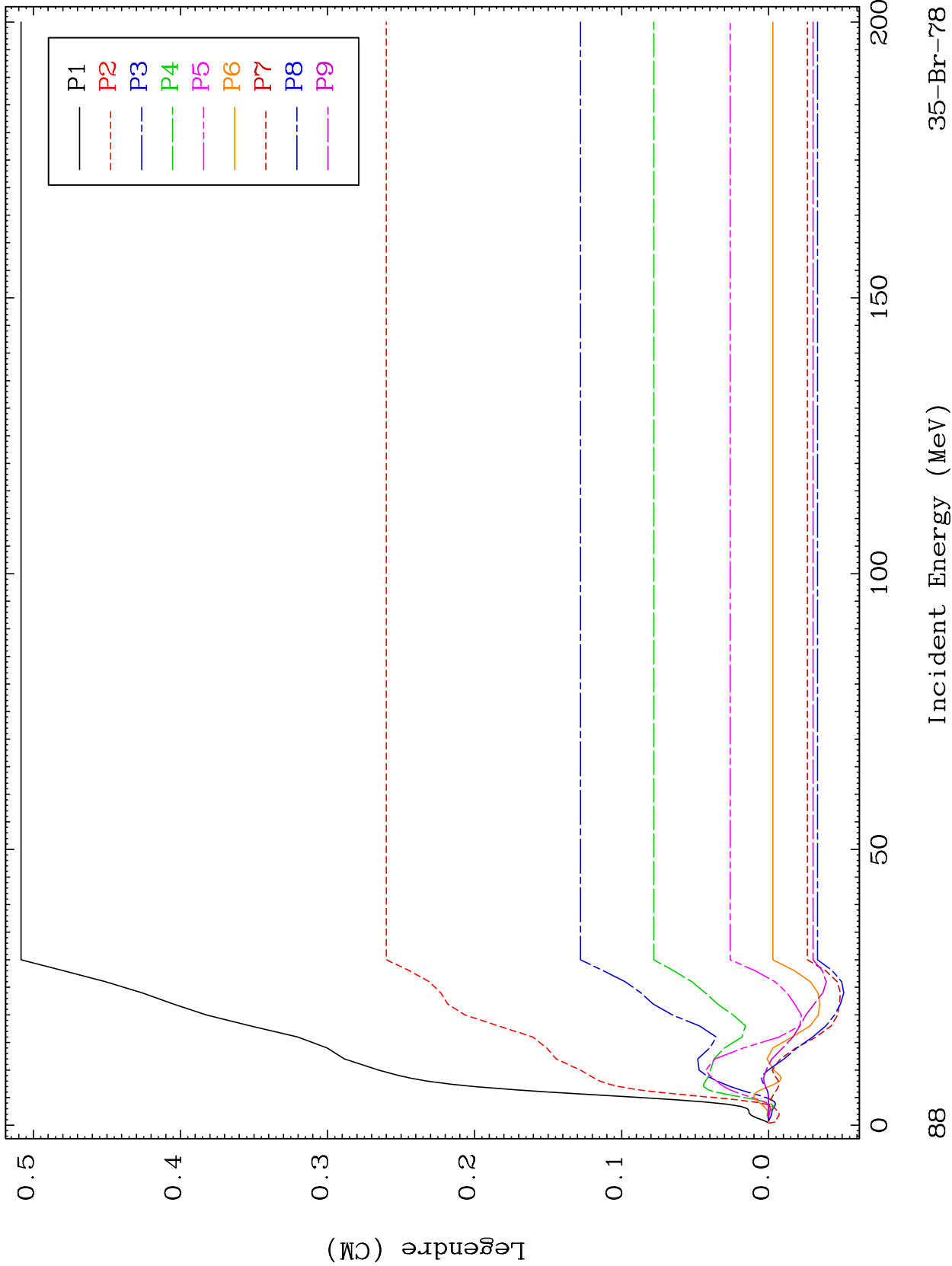




MAT 3522

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

35-Br-78



88

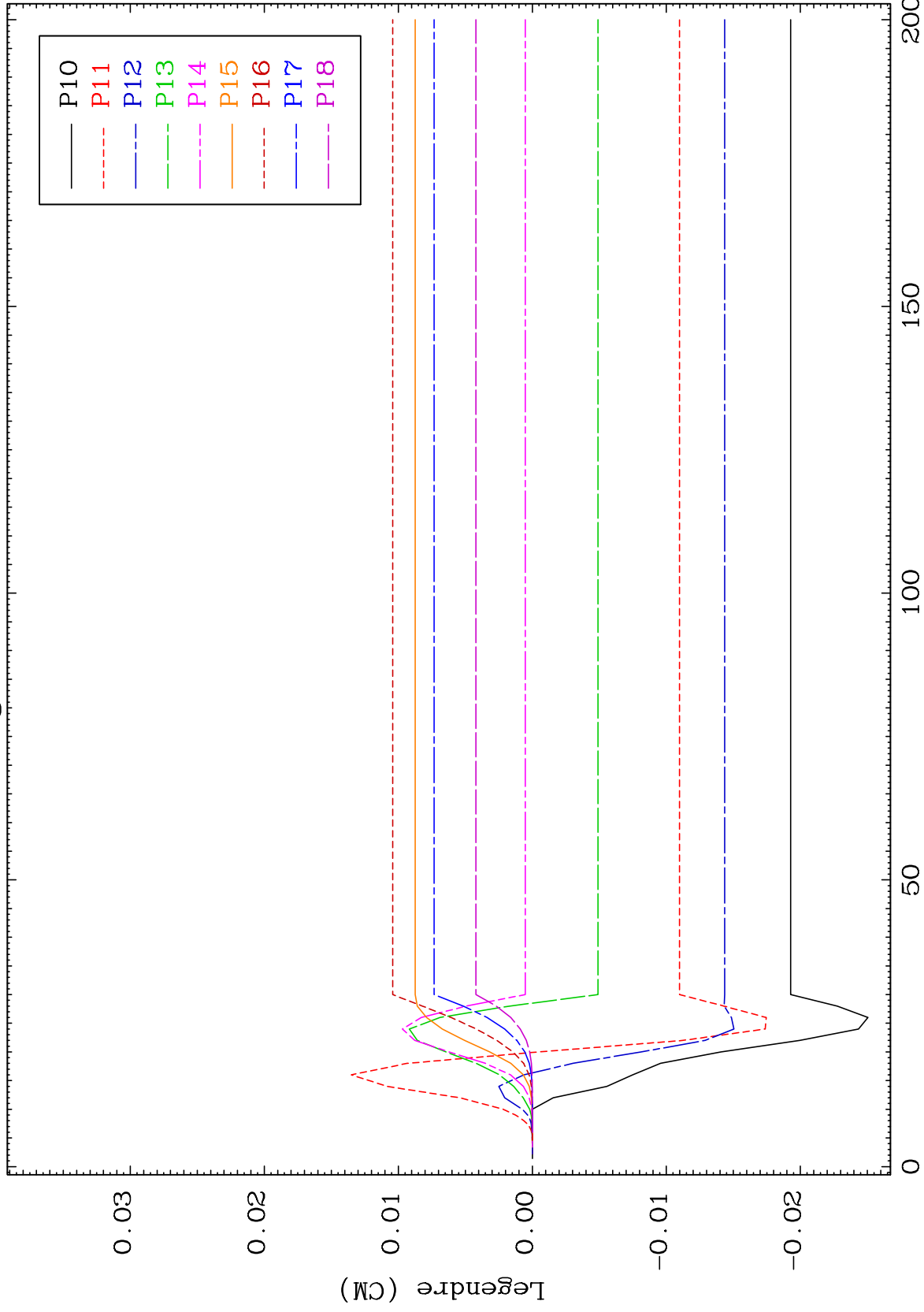
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



89

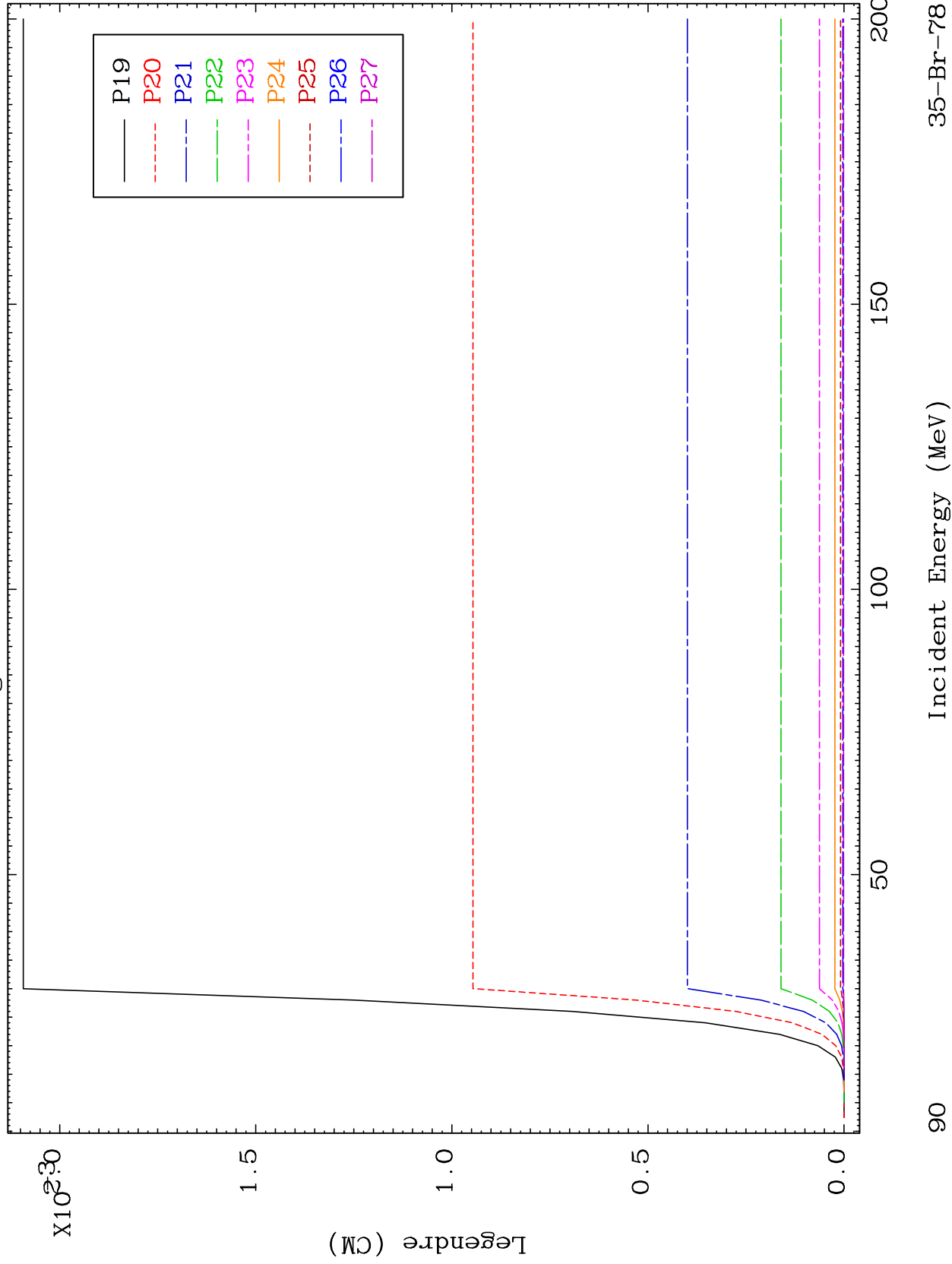
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



MAT 3522

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

35-Br-78

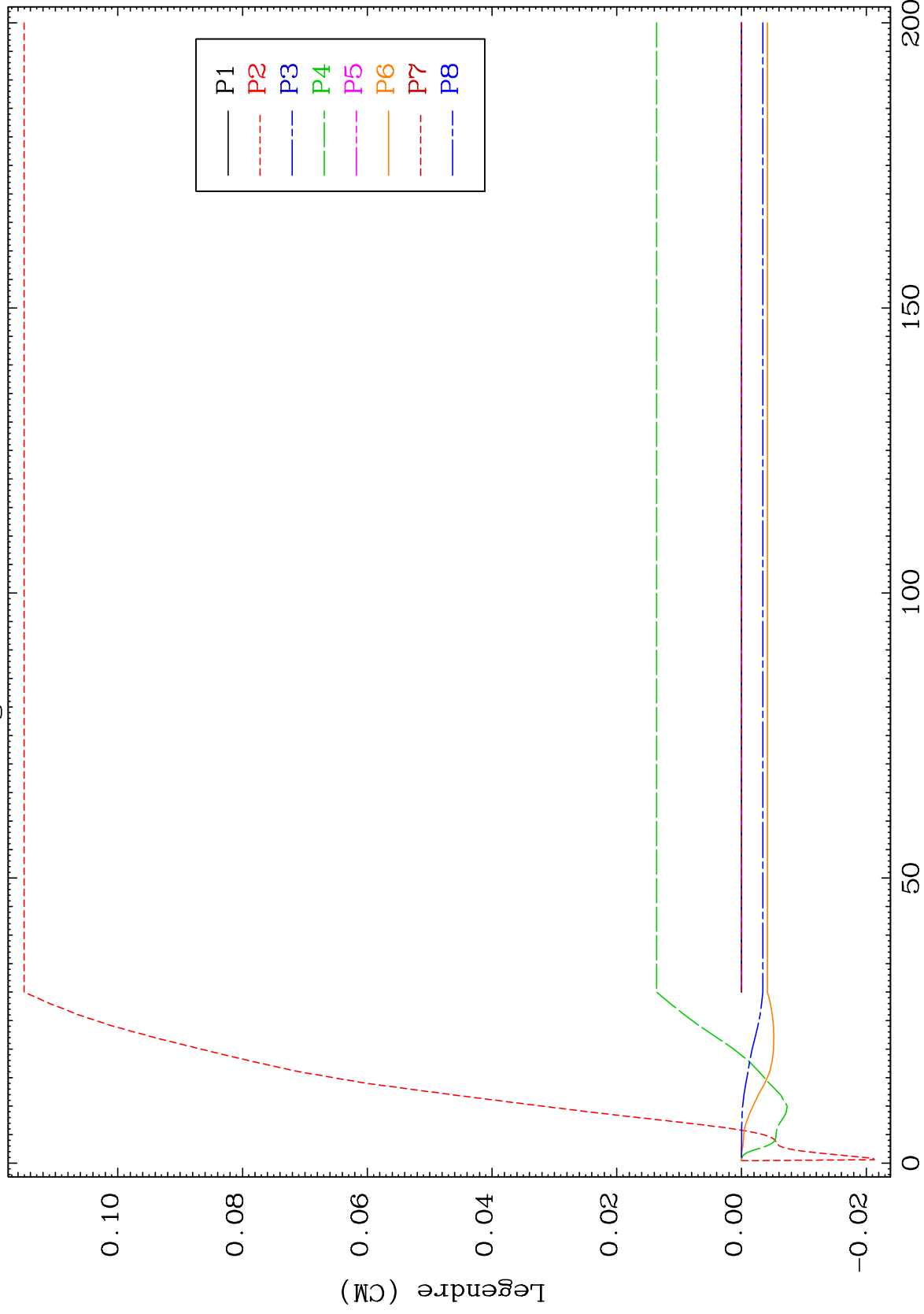


91

MAT 3522

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

35-Br-78



35-Br-78

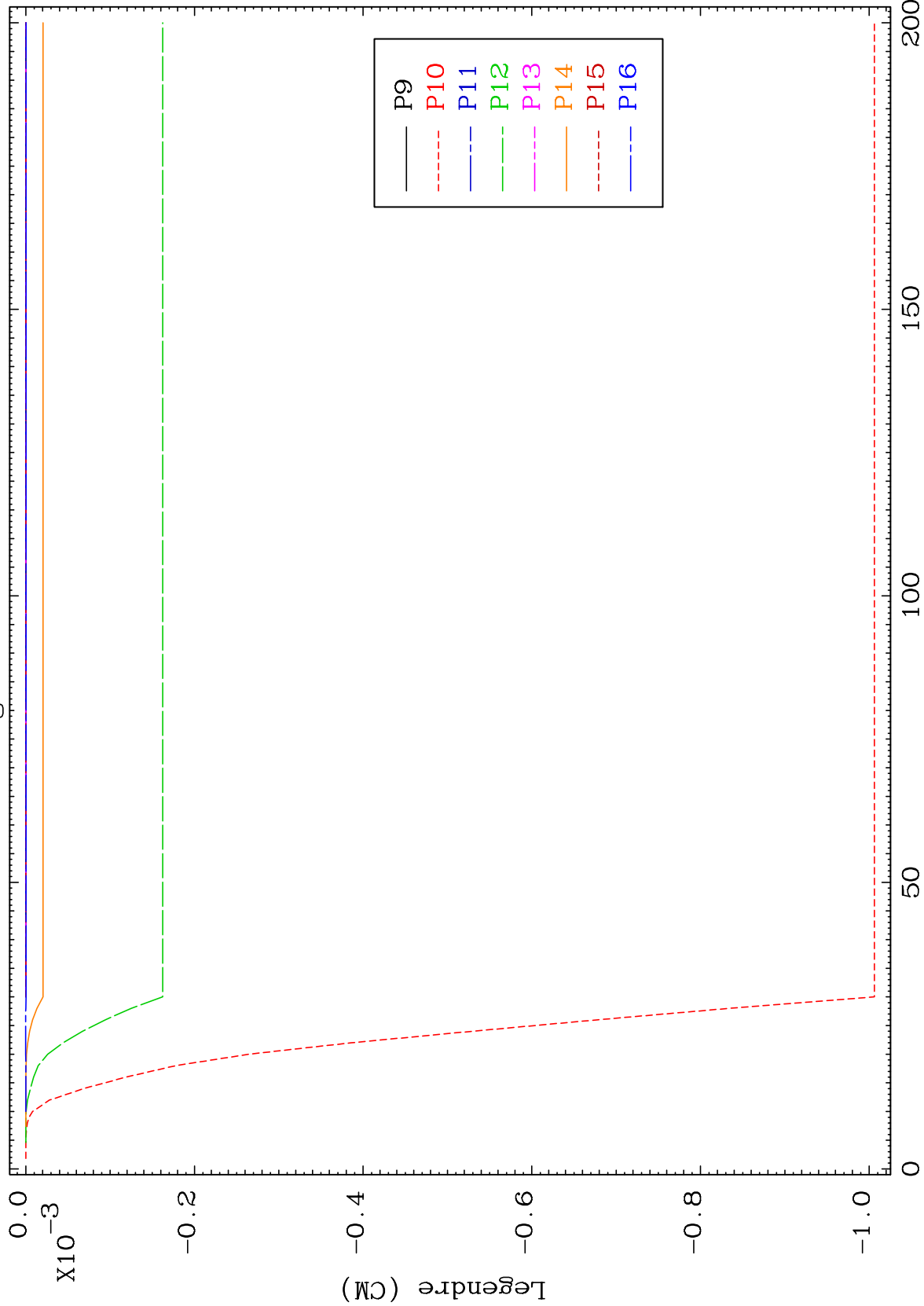
Incident Energy (MeV)

92

MAT 3522

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

35-Br-78



93

Incident Energy (MeV)

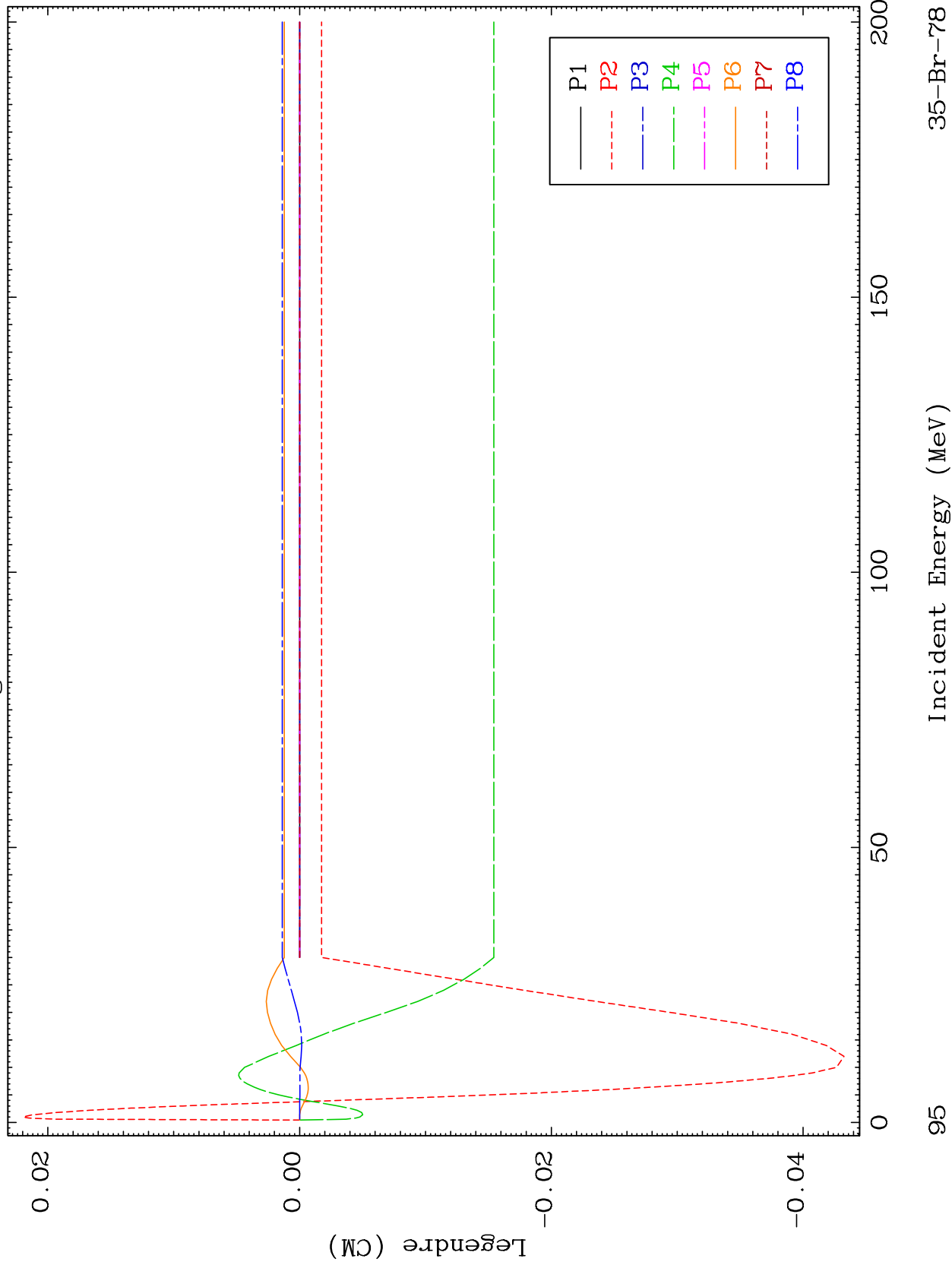
35-Br-78



MAT 3522

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

35-Br-78

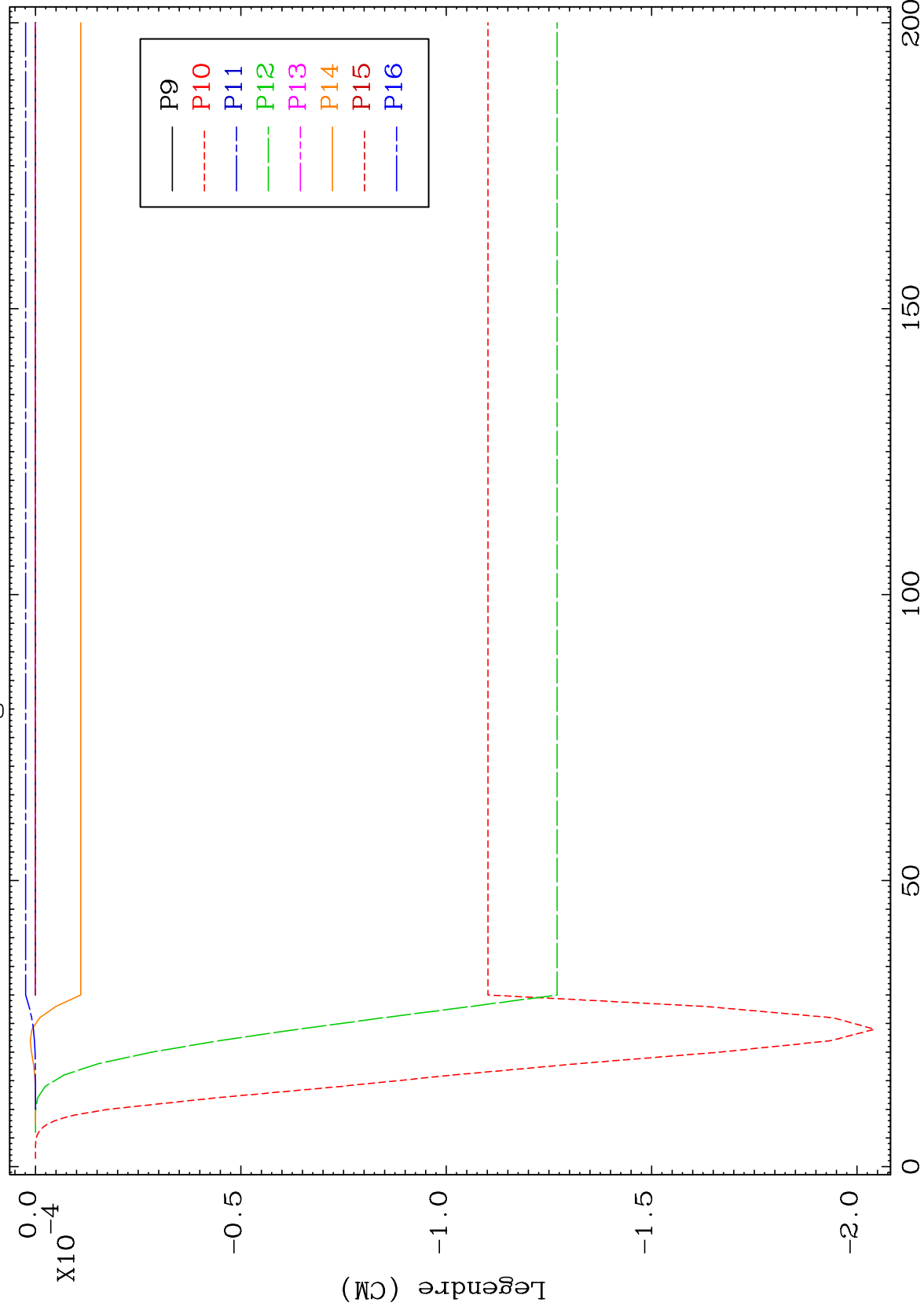


35-Br-78

MAT 3522

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

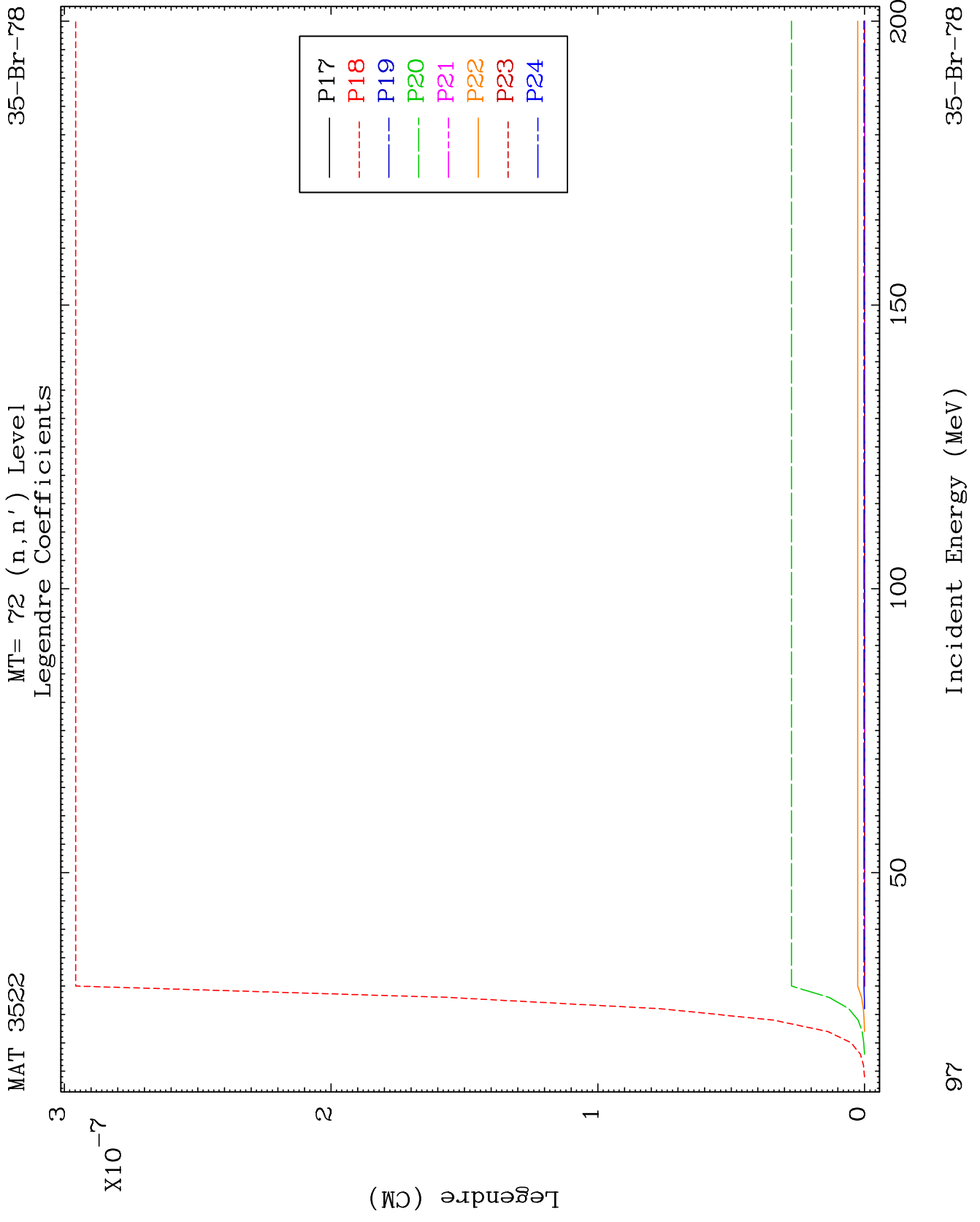
35-Br-78



96

Incident Energy (MeV)

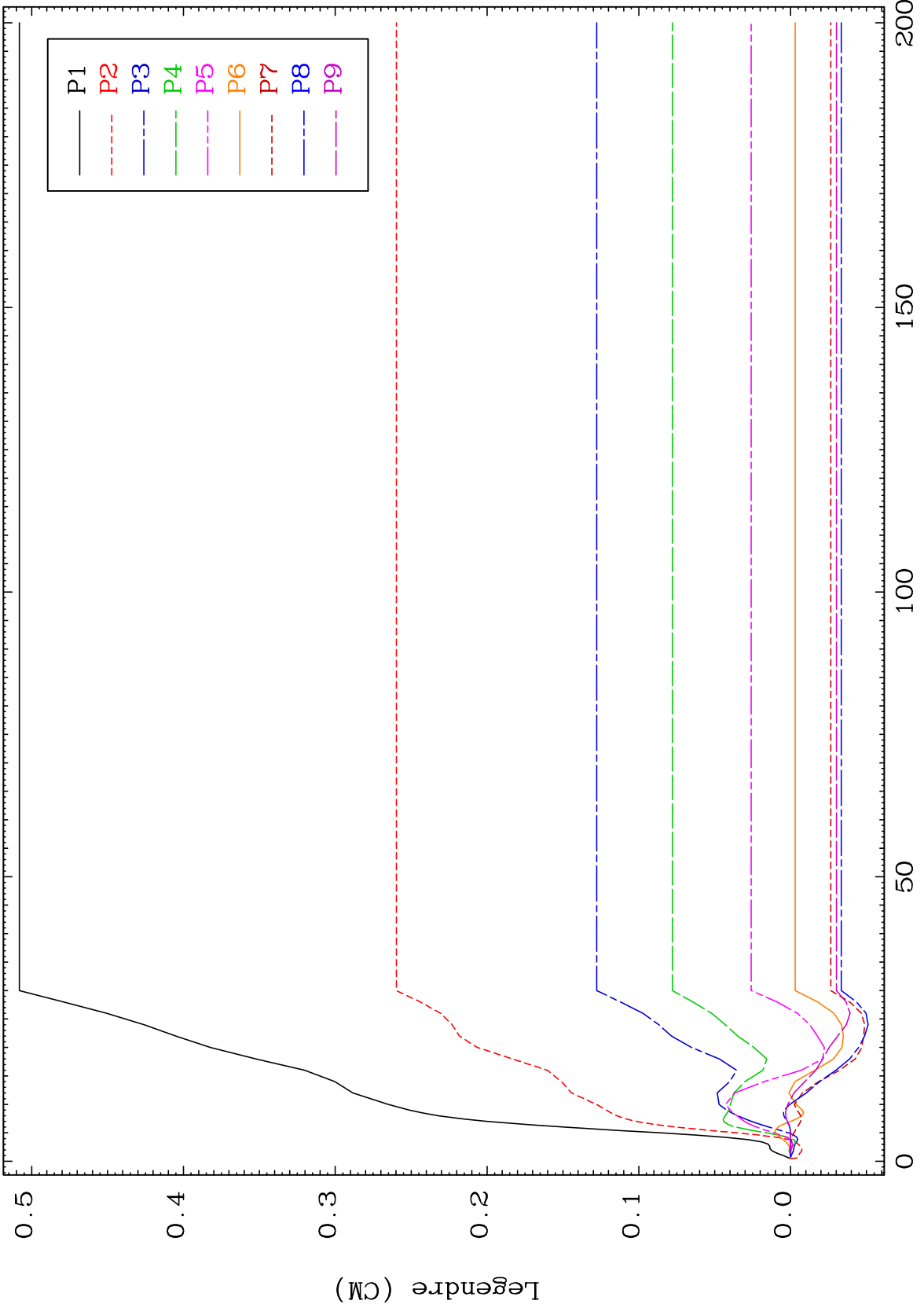
35-Br-78



MAT 3522

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

35-Br-78



98

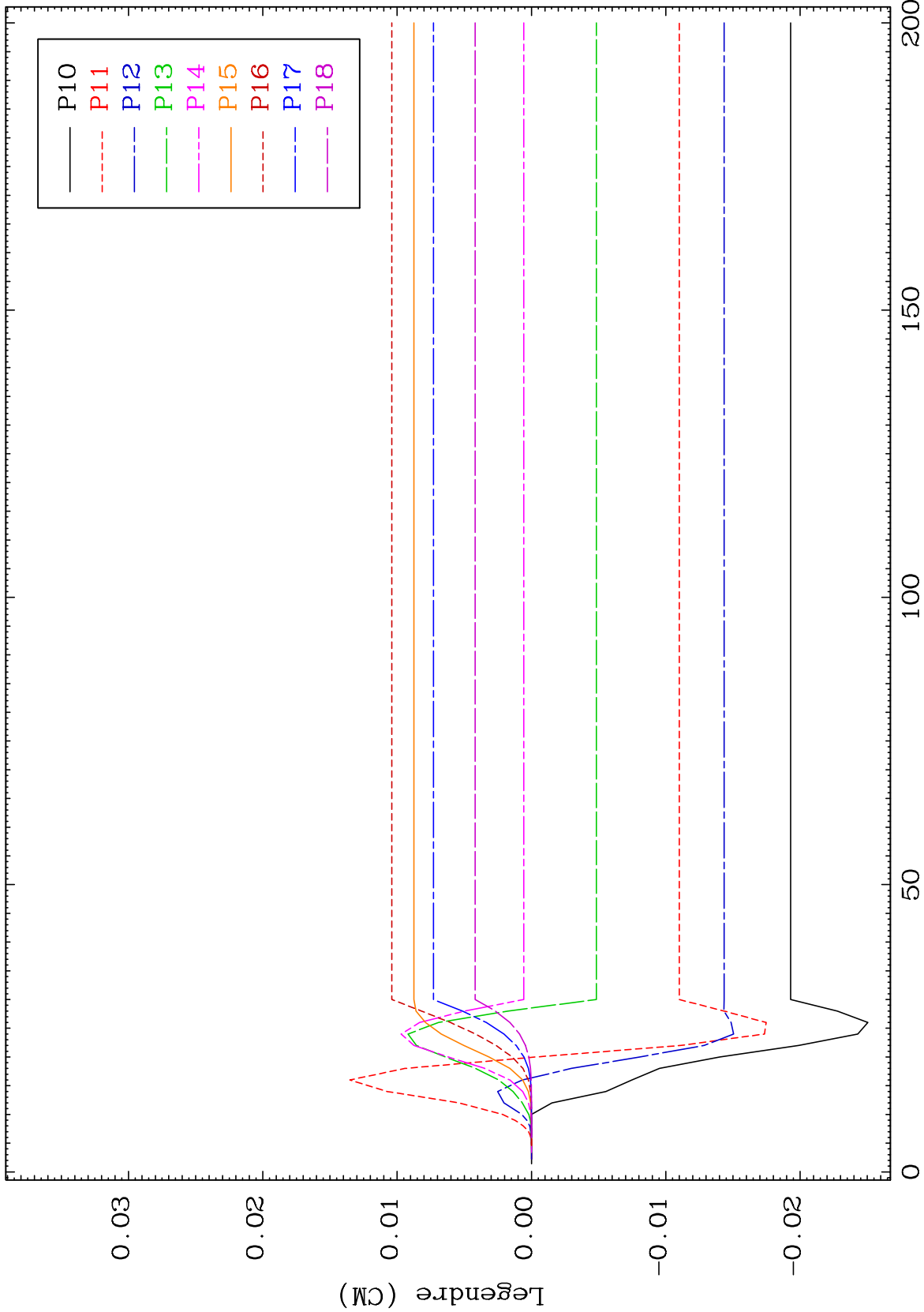
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



99

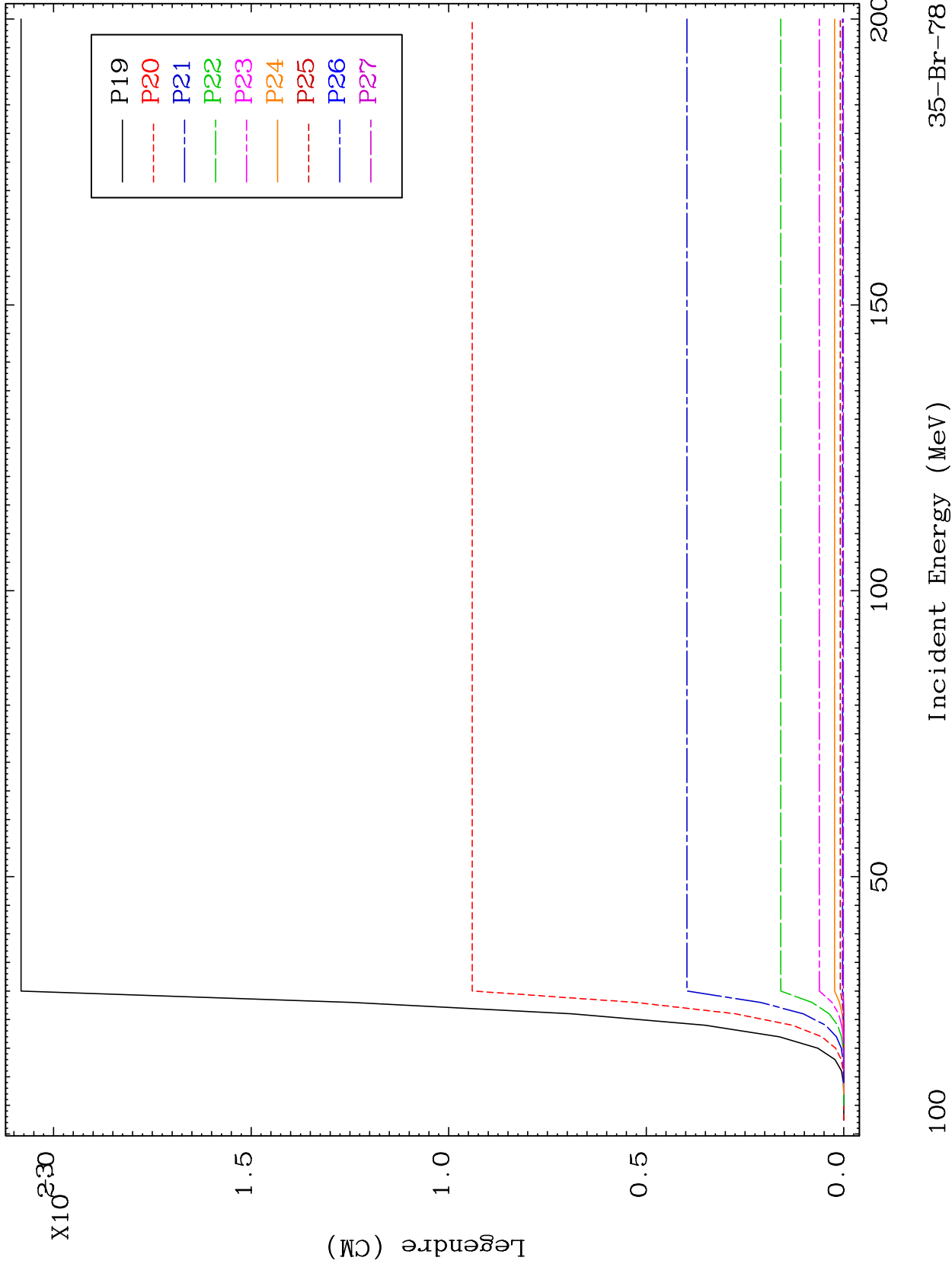
Incident Energy (MeV)

35-Br-78

MAT 3522

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

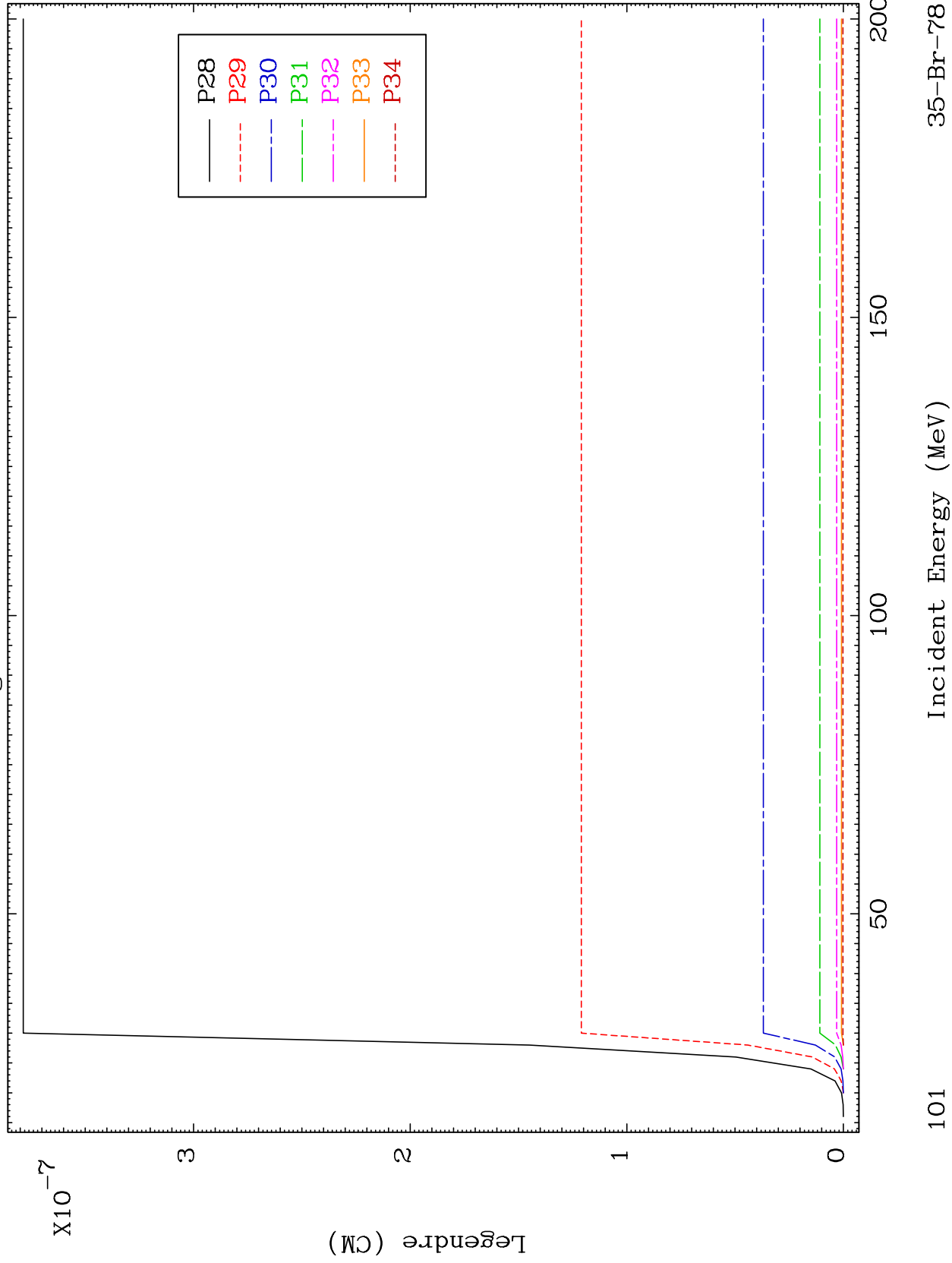
35-Br-78



MAT 3522

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

35-Br-78



101

Incident Energy (MeV)

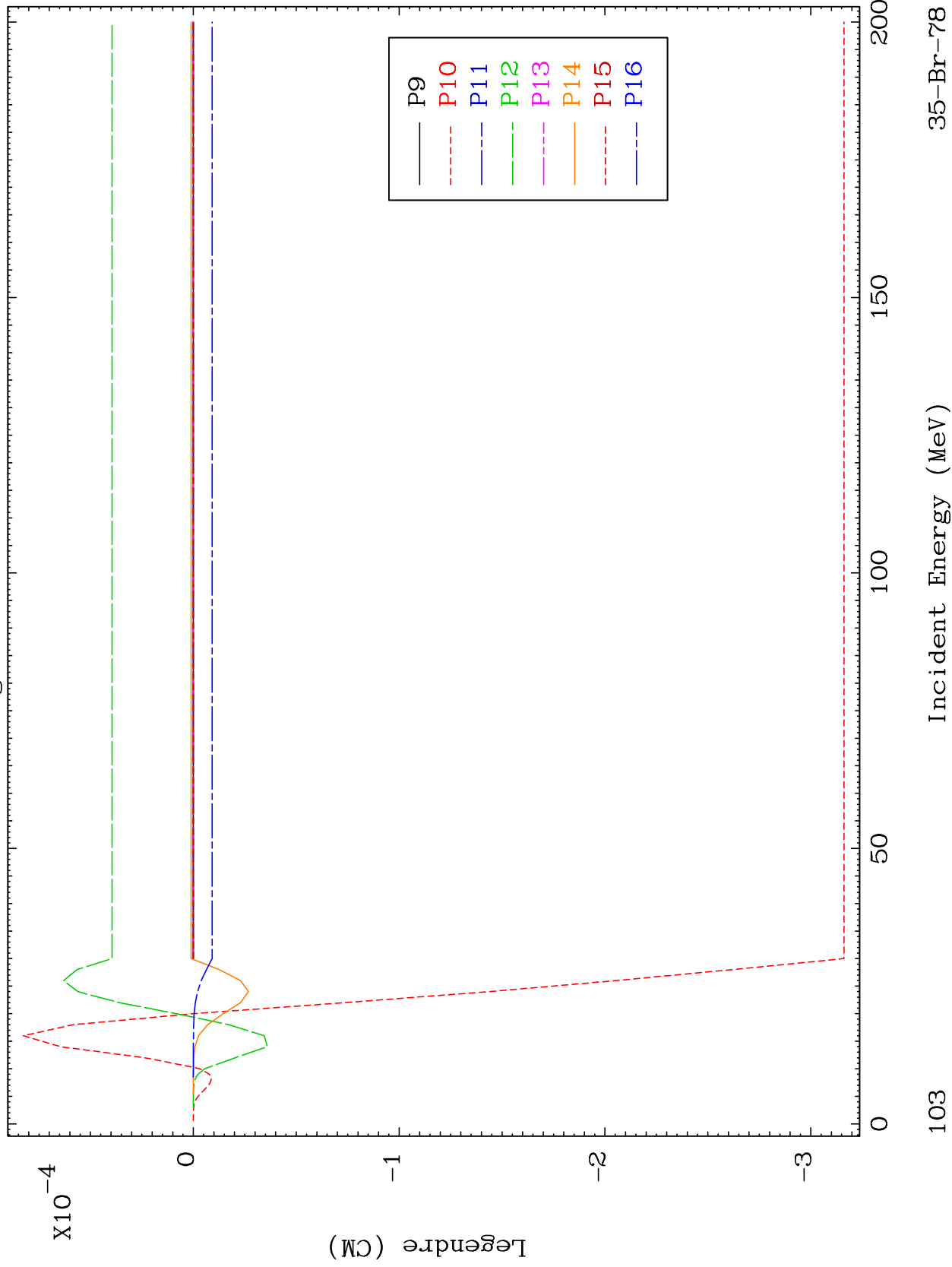
35-Br-78



MAT 3522

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

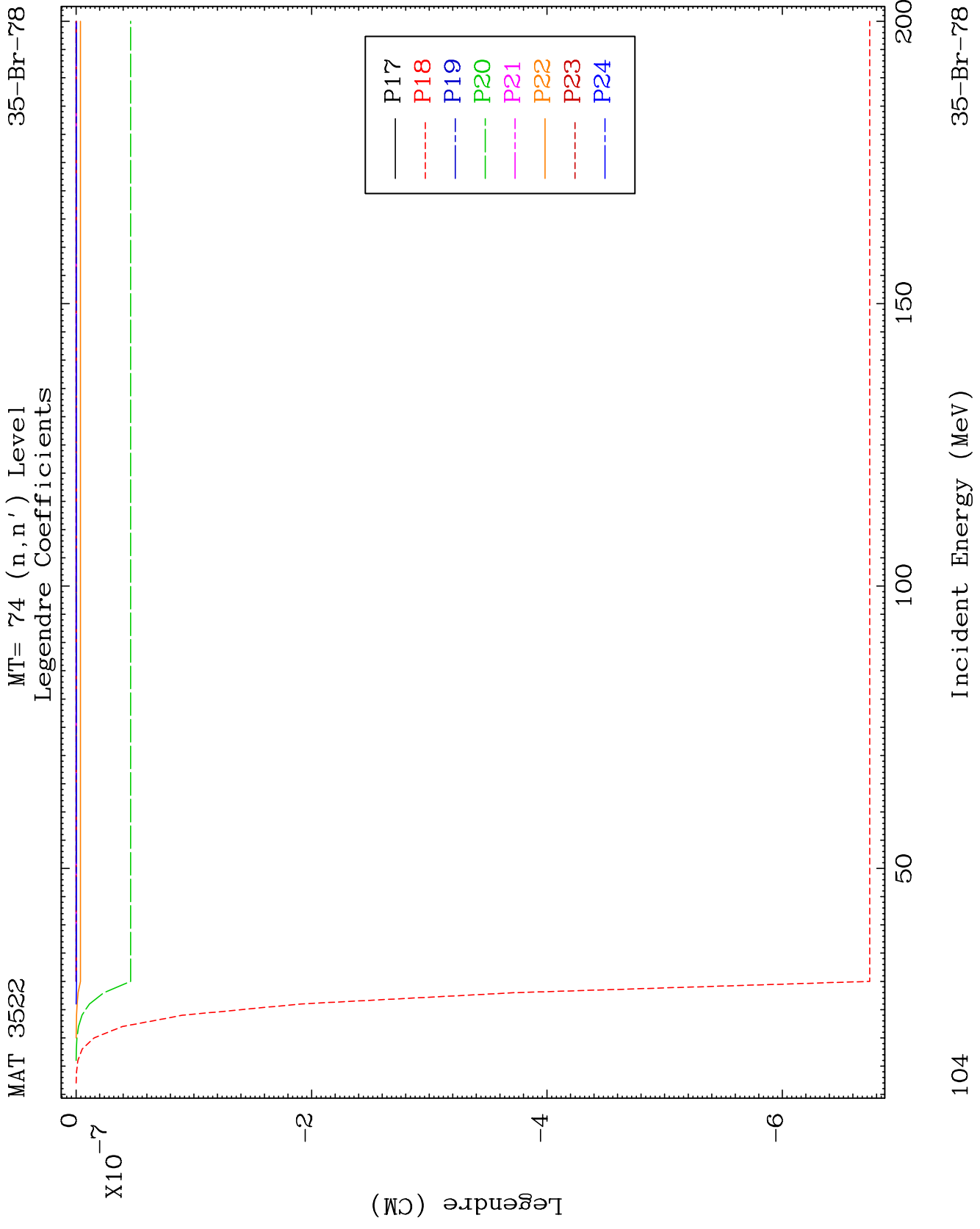
35-Br-78

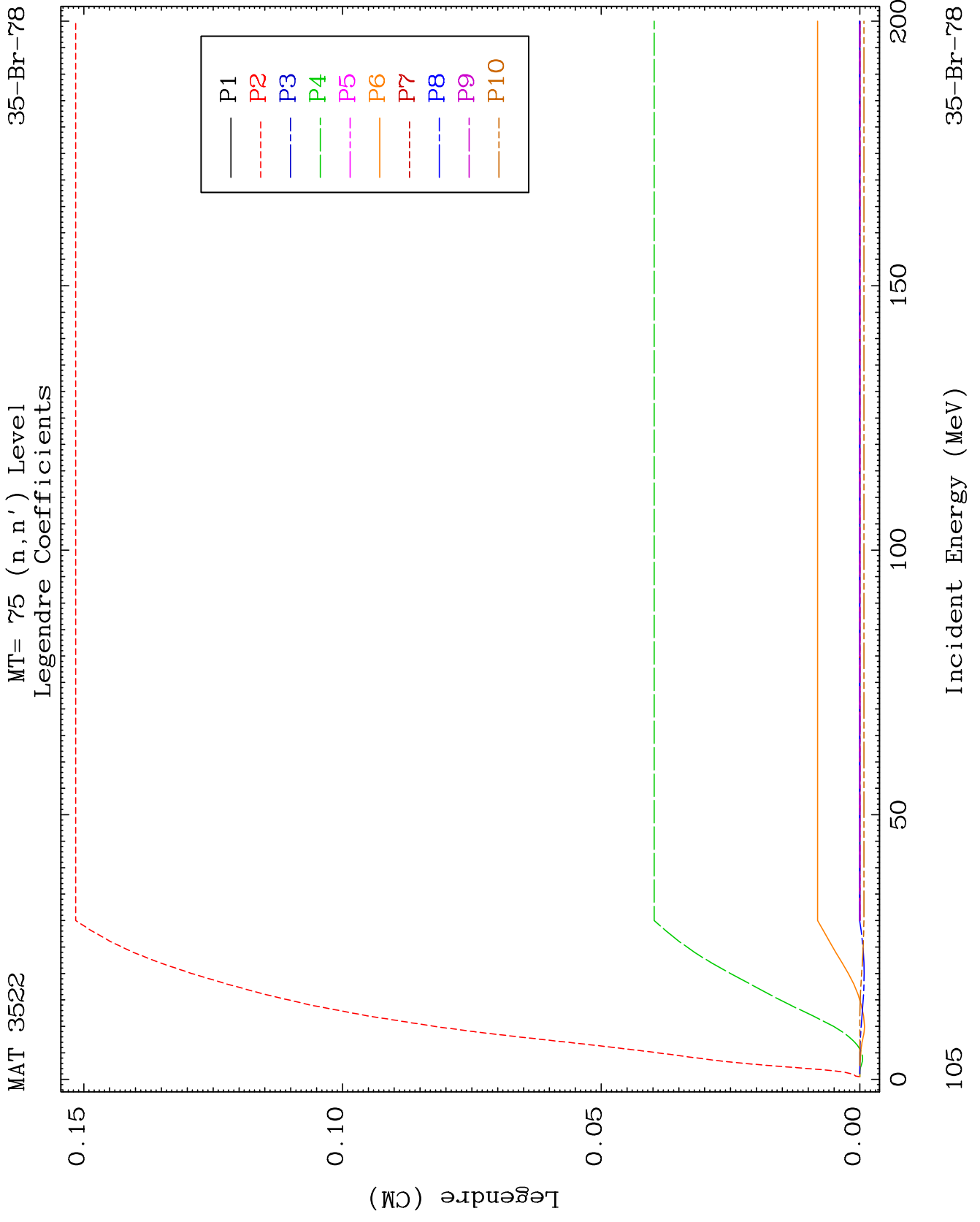


103

Incident Energy (MeV)

35-Br-78

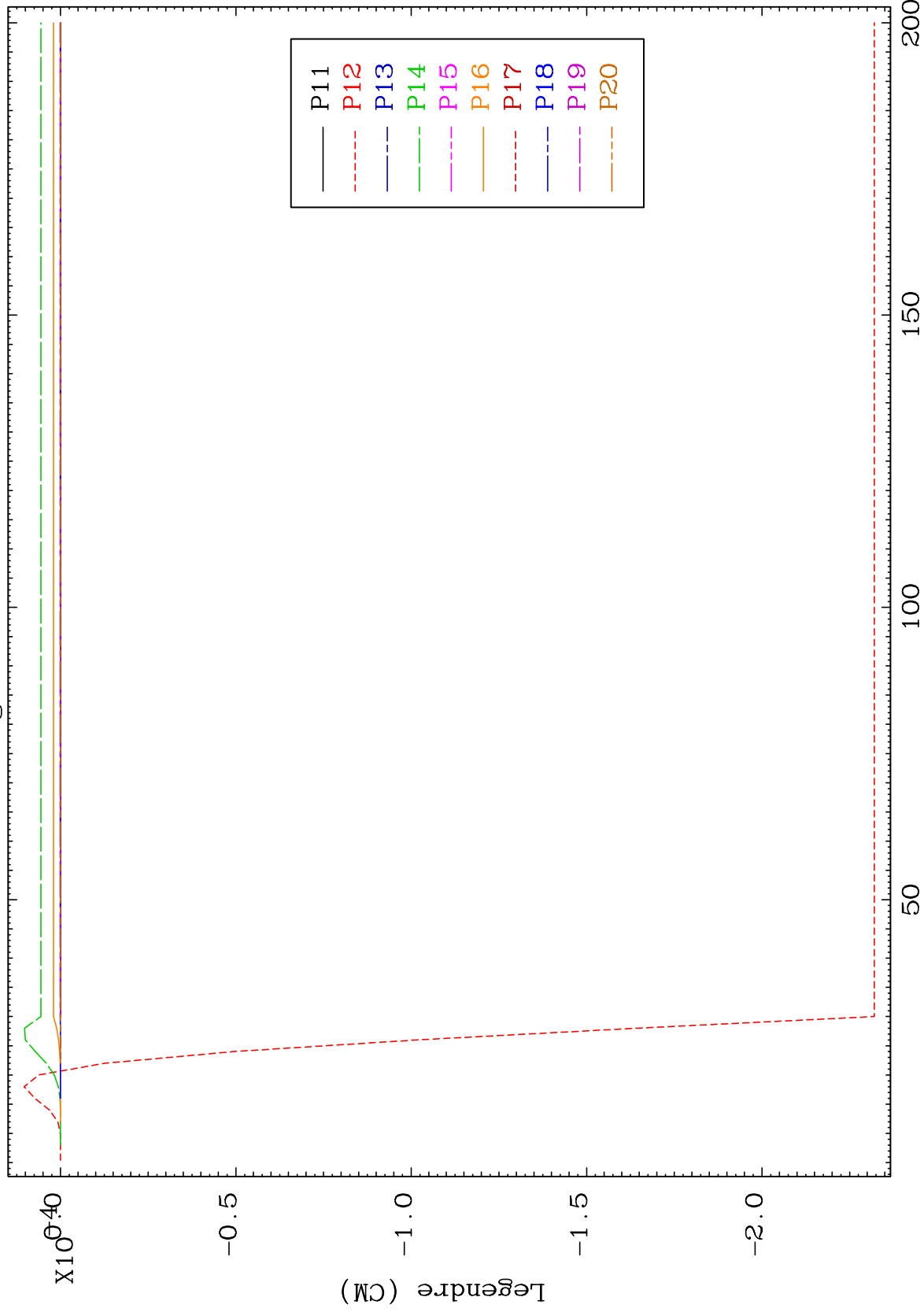




MAT 3522

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

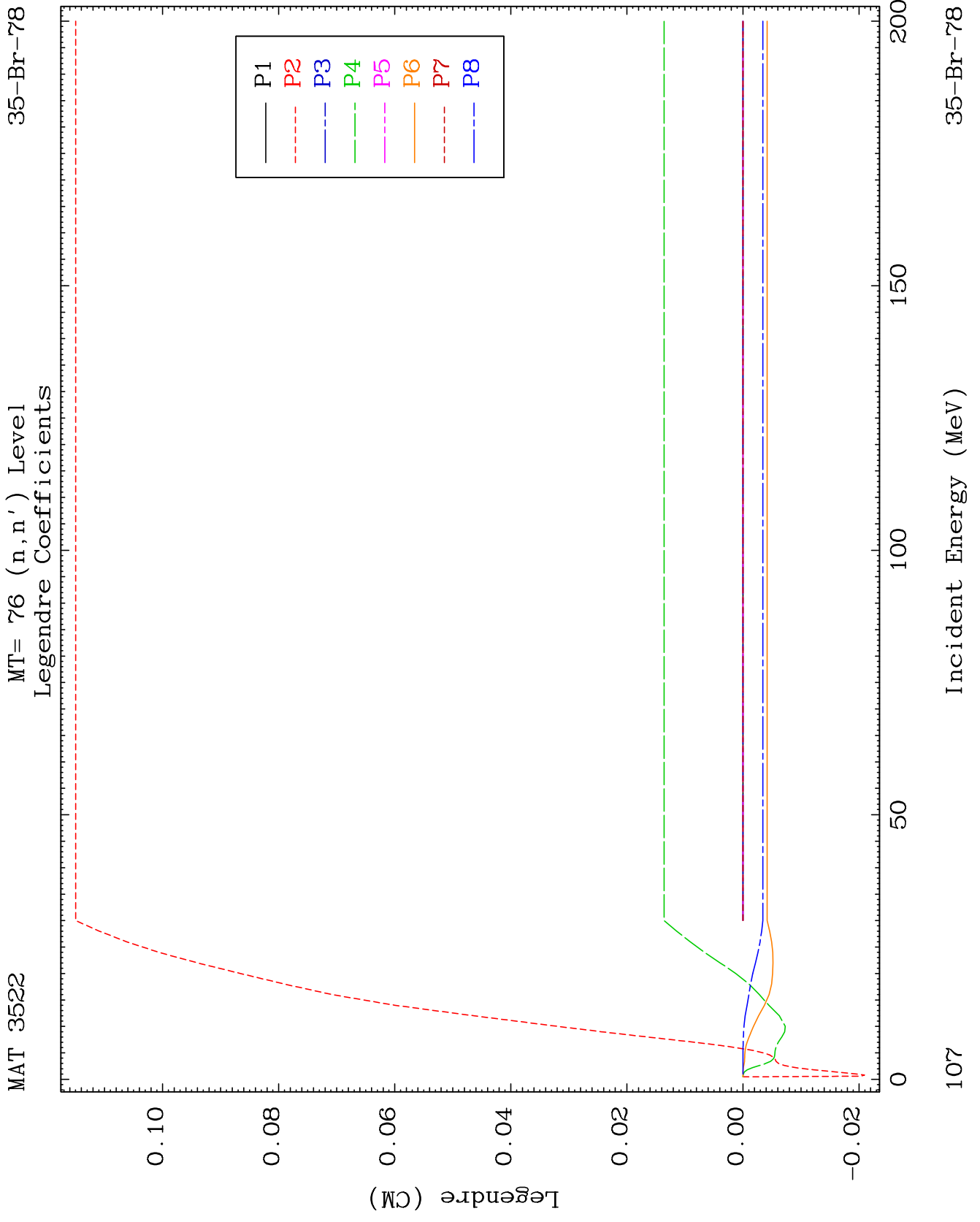
35-Br-78



106

Incident Energy (MeV)

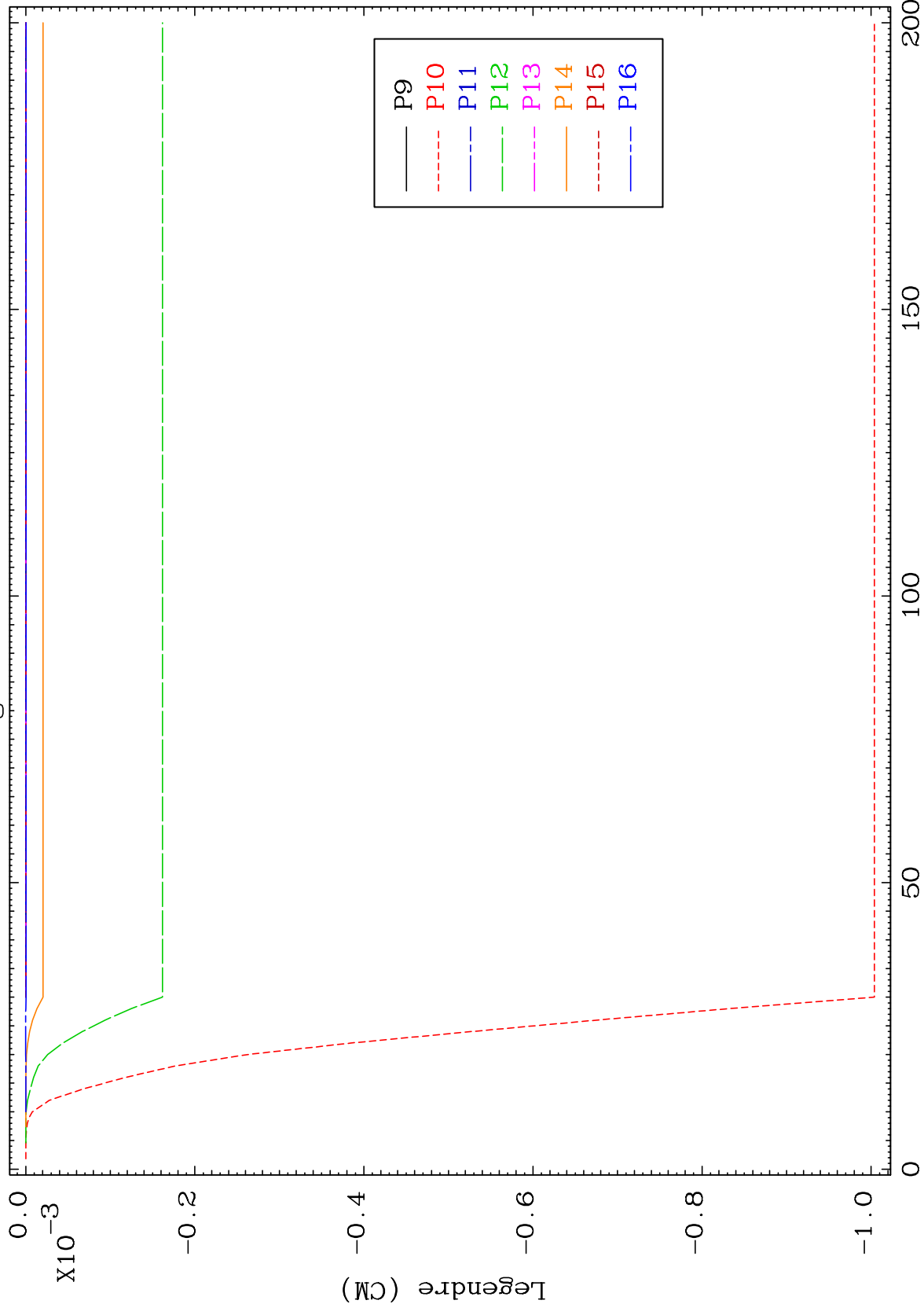
35-Br-78



MAT 3522

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

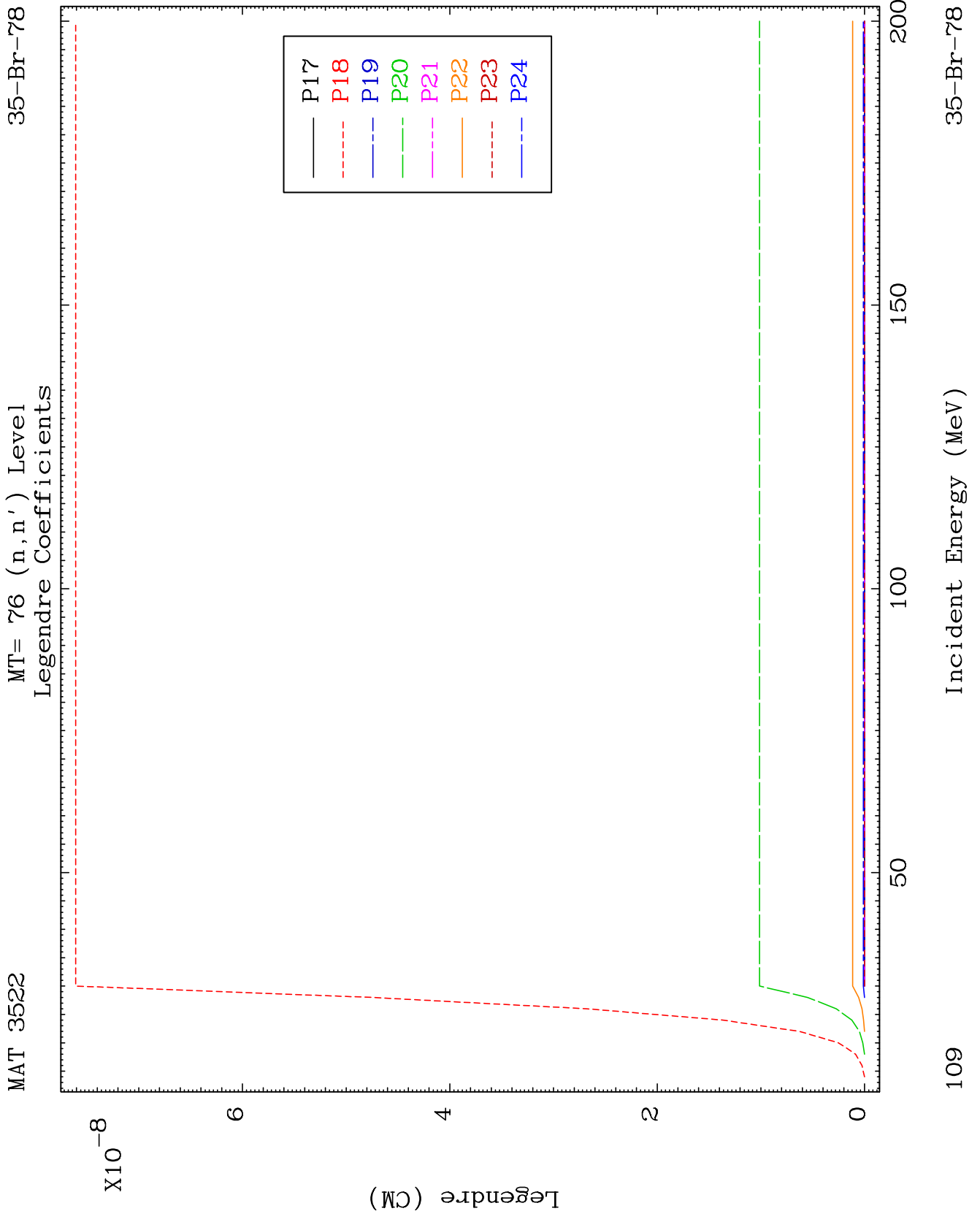
35-Br-78



108

Incident Energy (MeV)

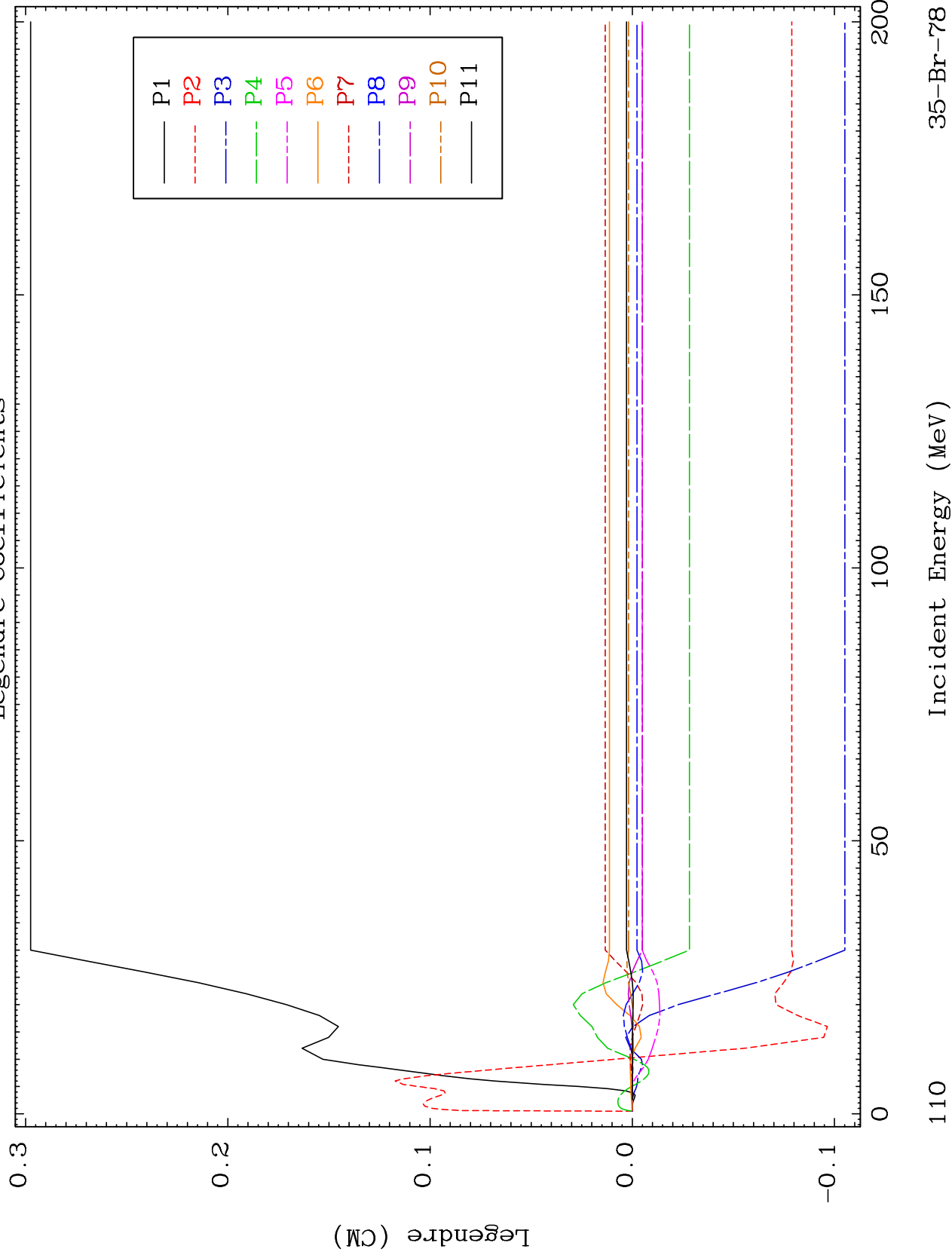
35-Br-78



MAT 3522

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

35-Br-78



35-Br-78

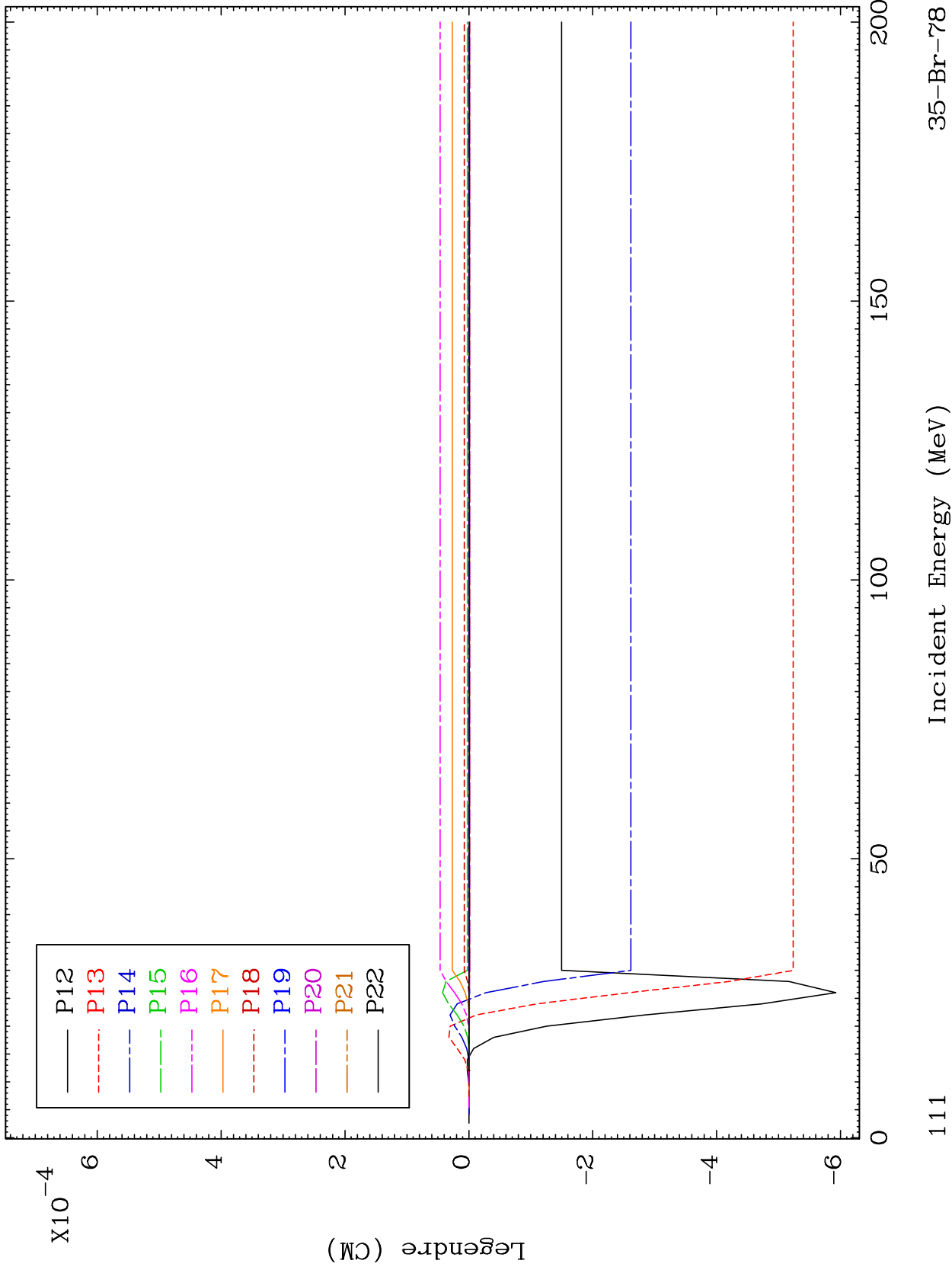
Incident Energy (MeV)

110

MAT 3522

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

35-Br-78

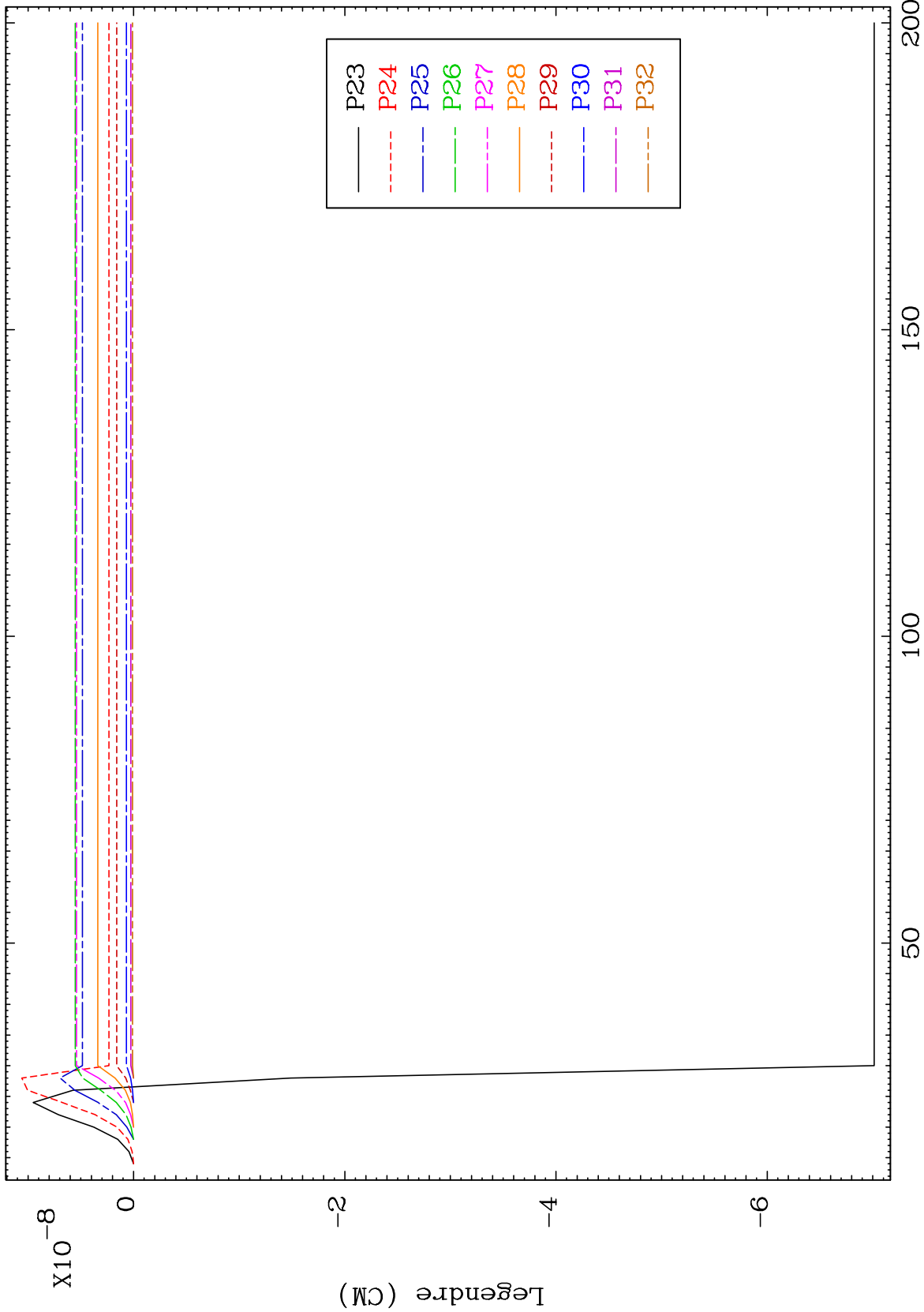


111

MAT 3522

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

35-Br-78



112

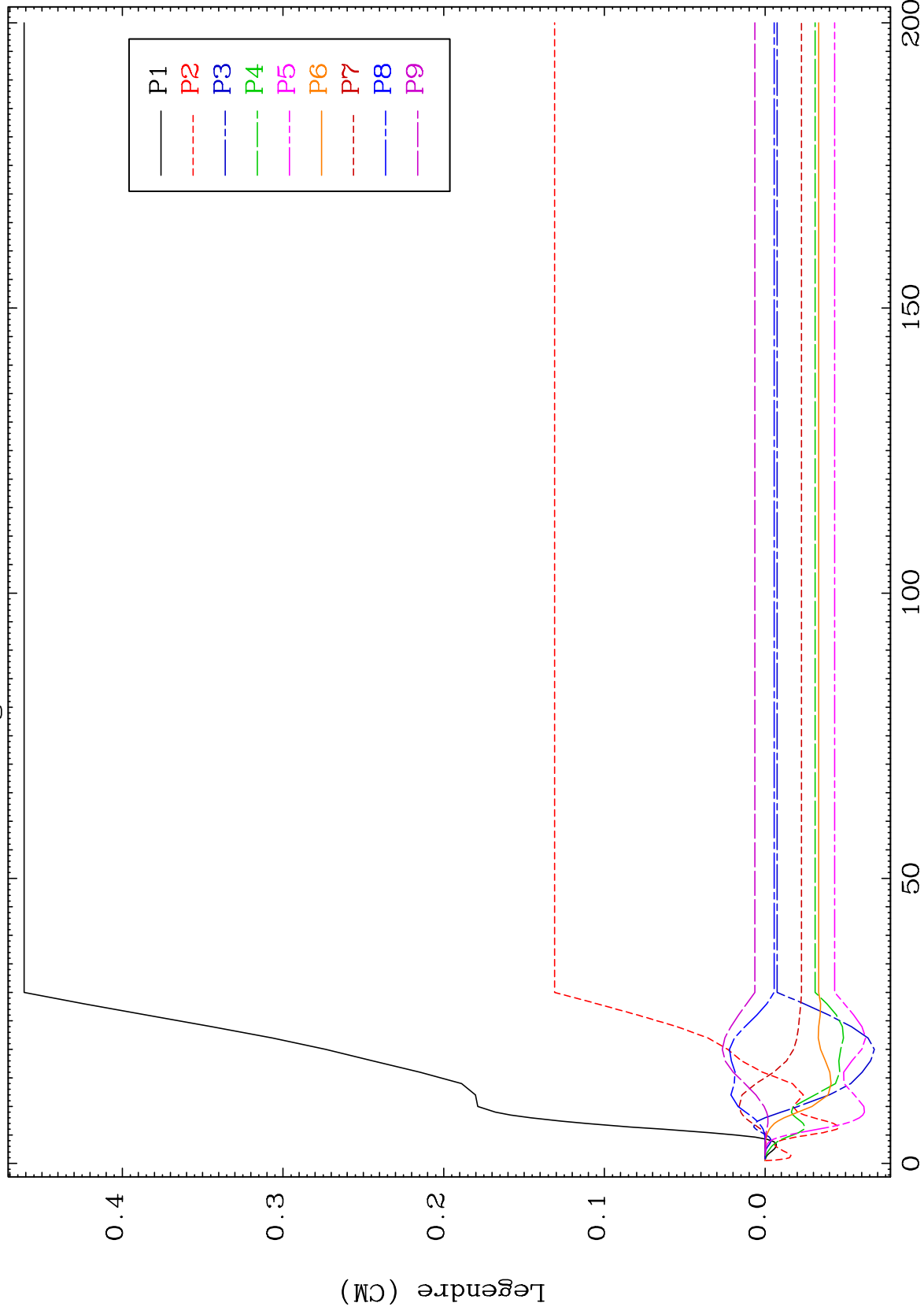
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78

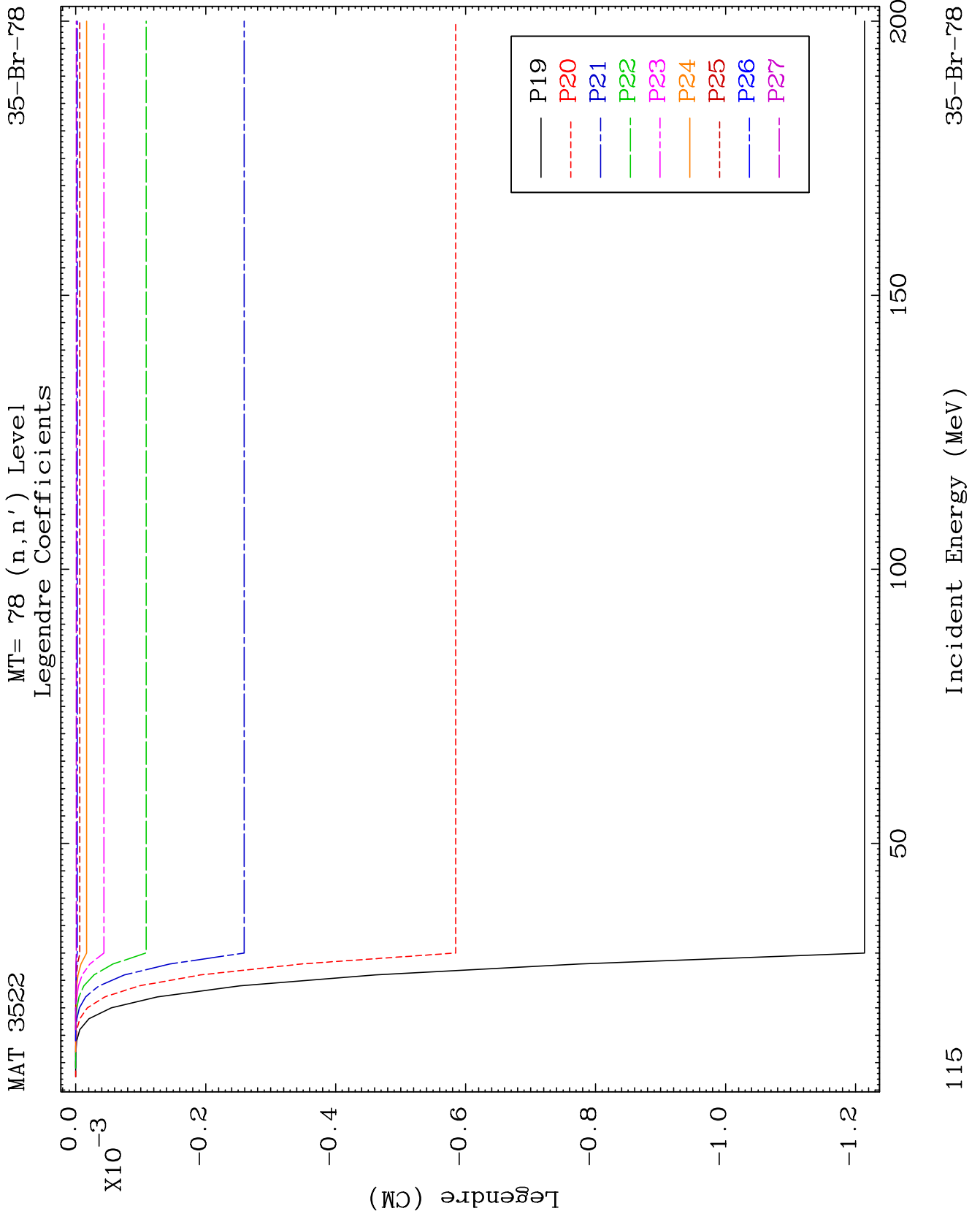


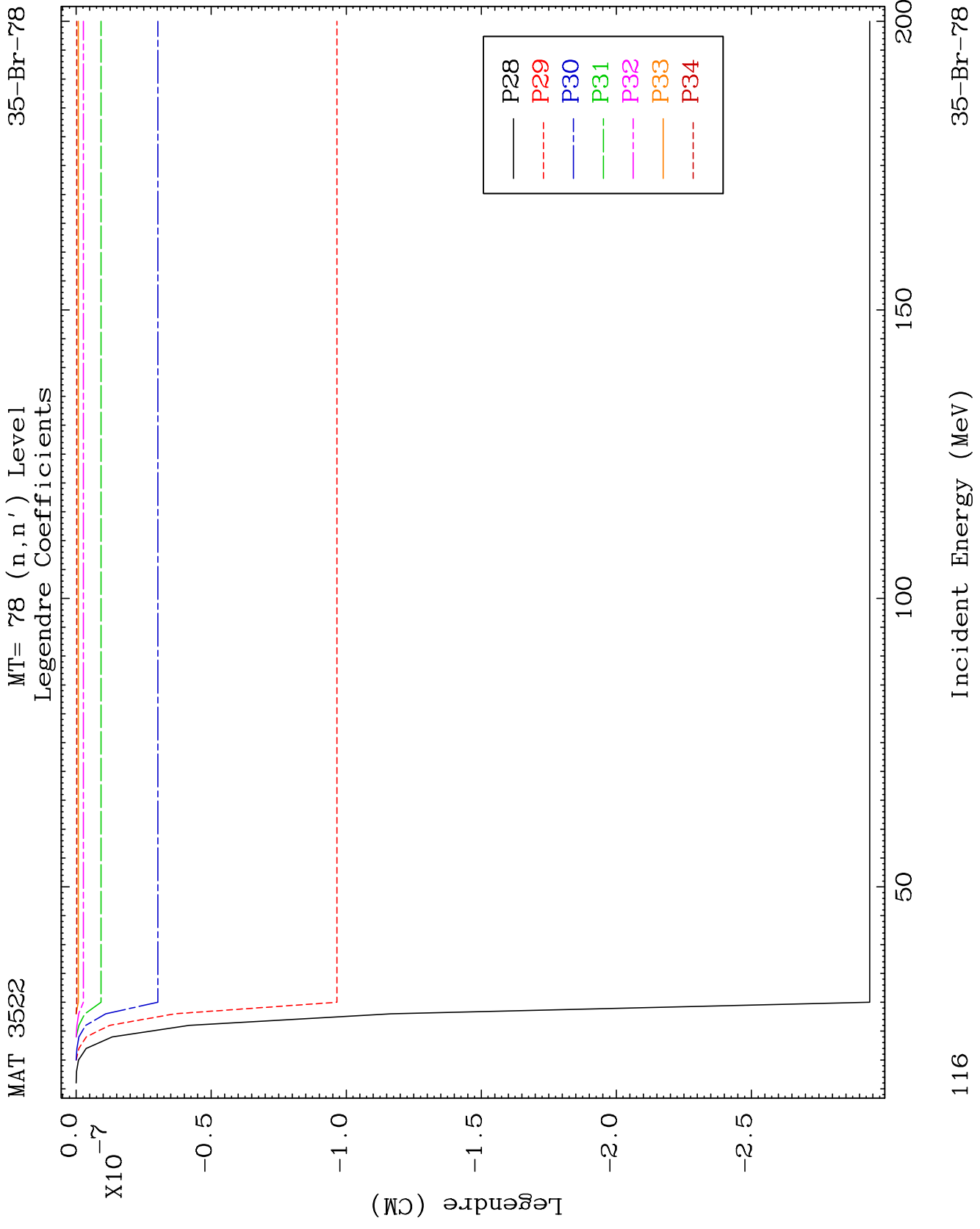
113

Incident Energy (MeV)

35-Br-78



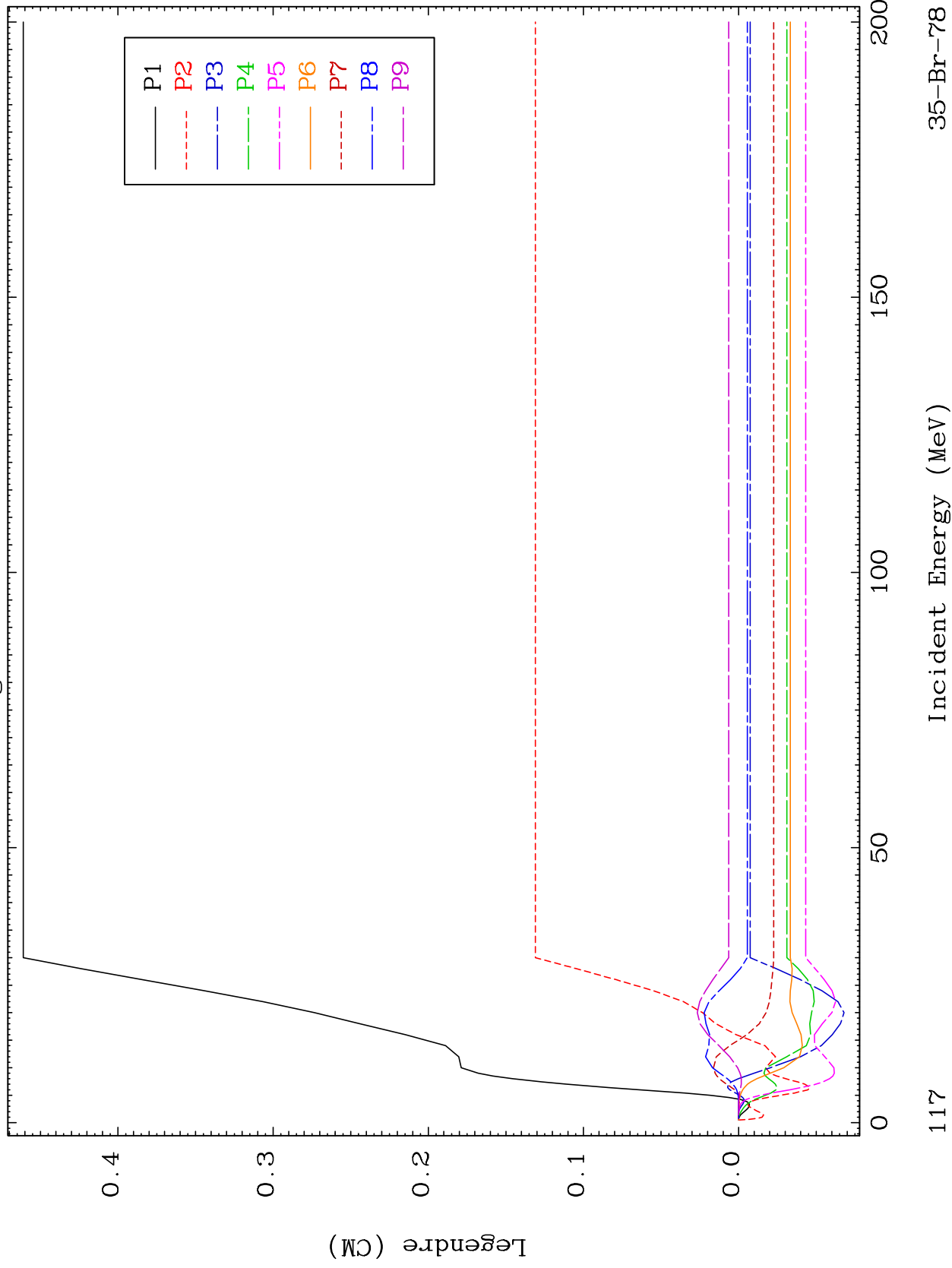




MAT 3522

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

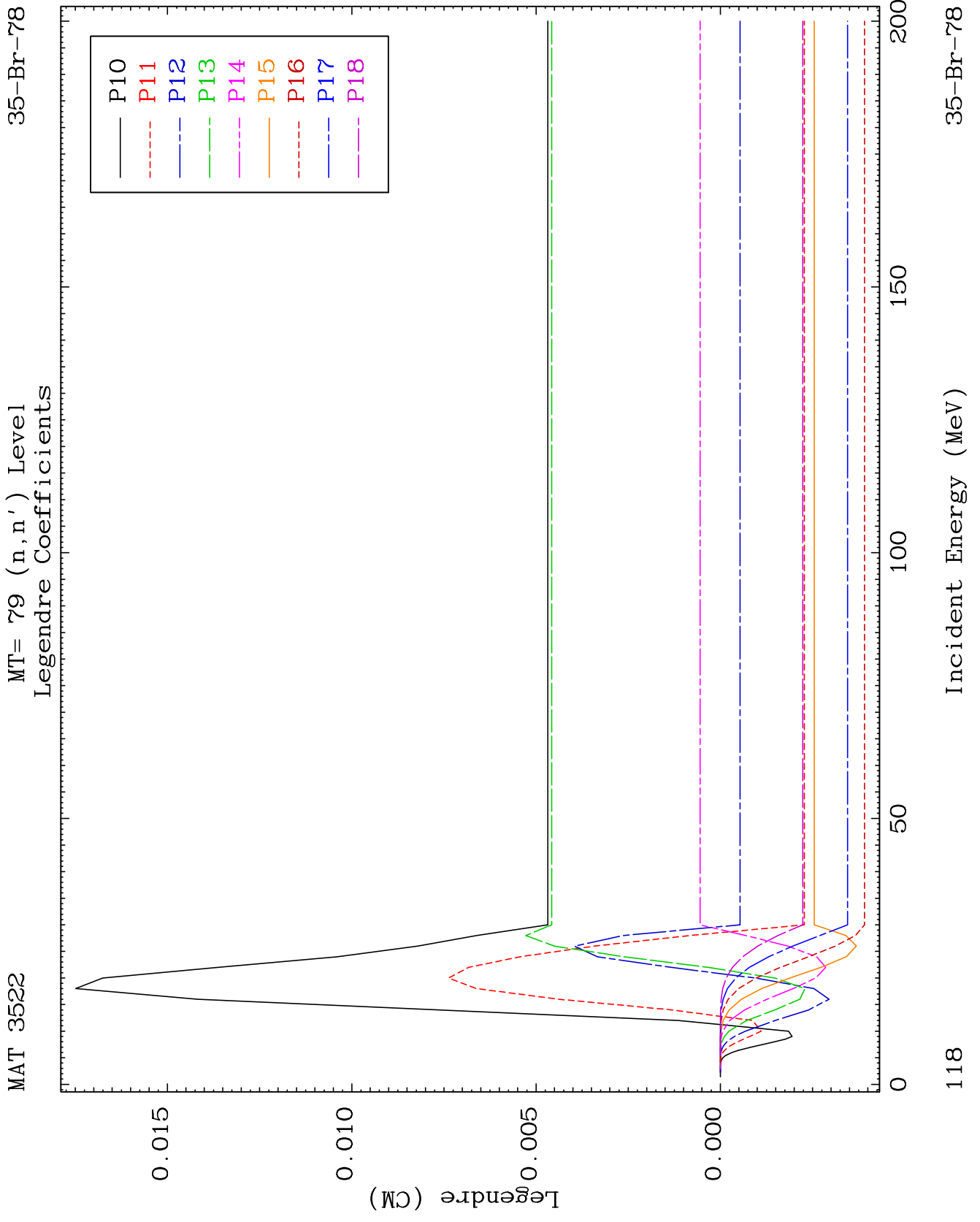
35-Br-78

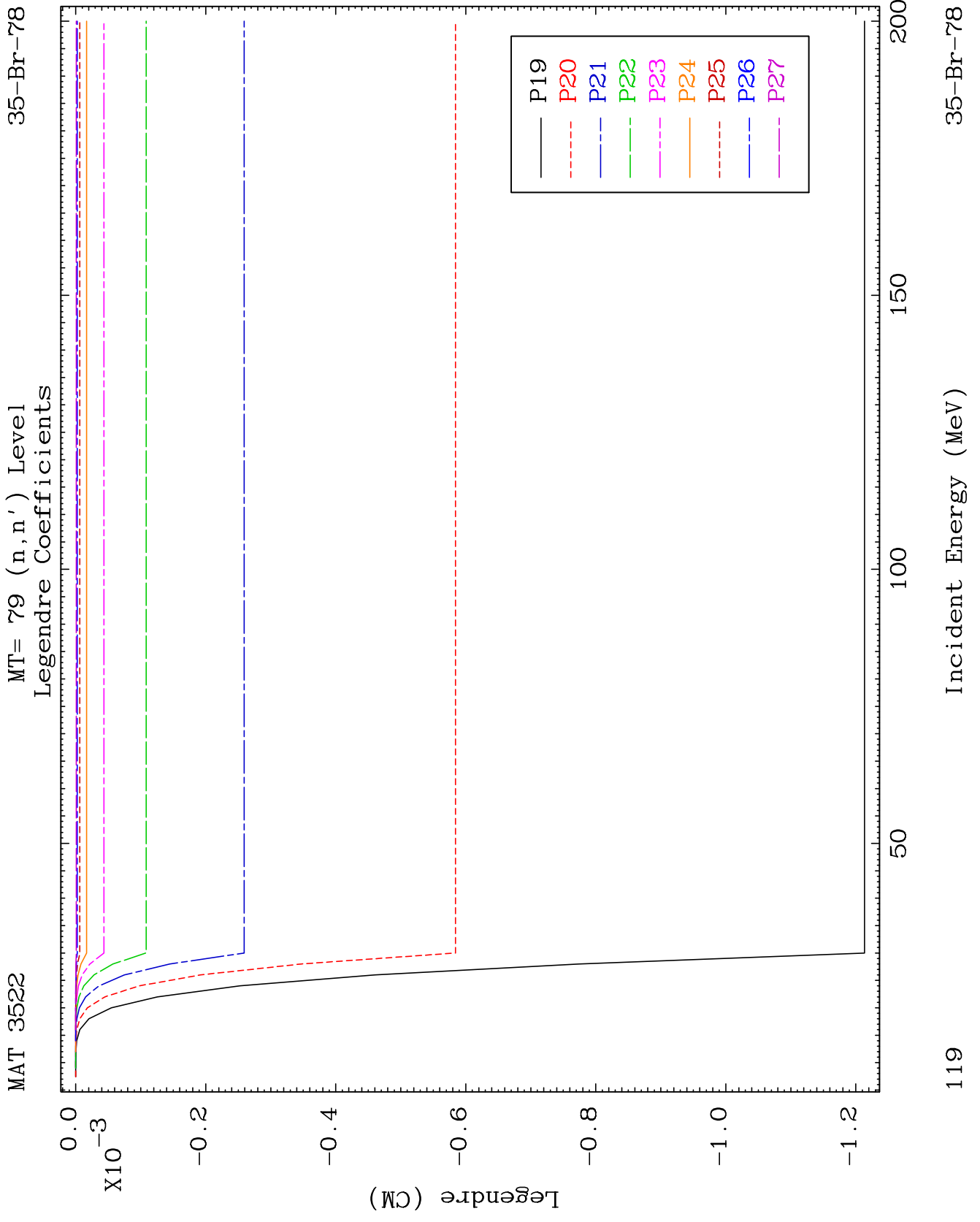


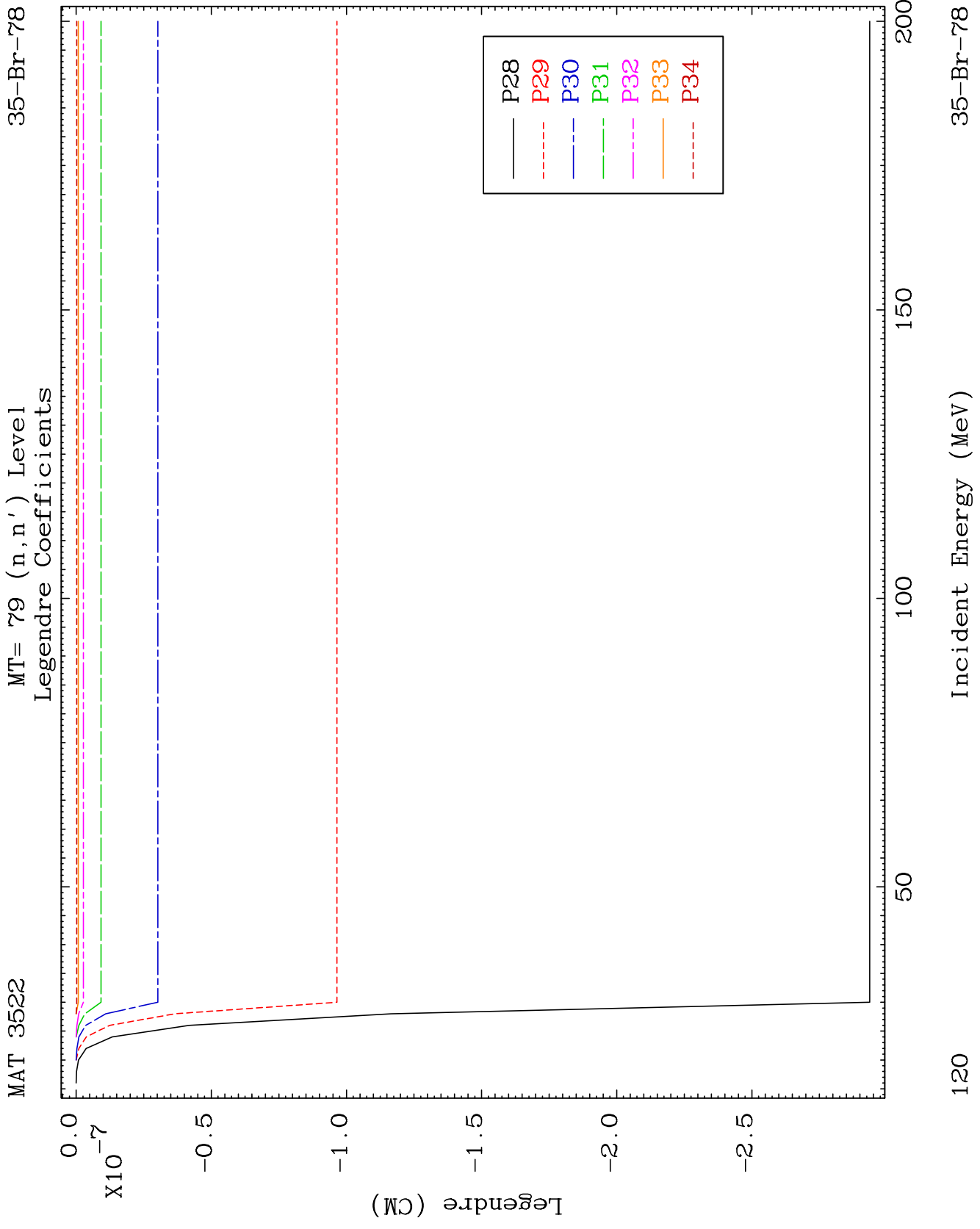
117

Incident Energy (MeV)

35-Br-78



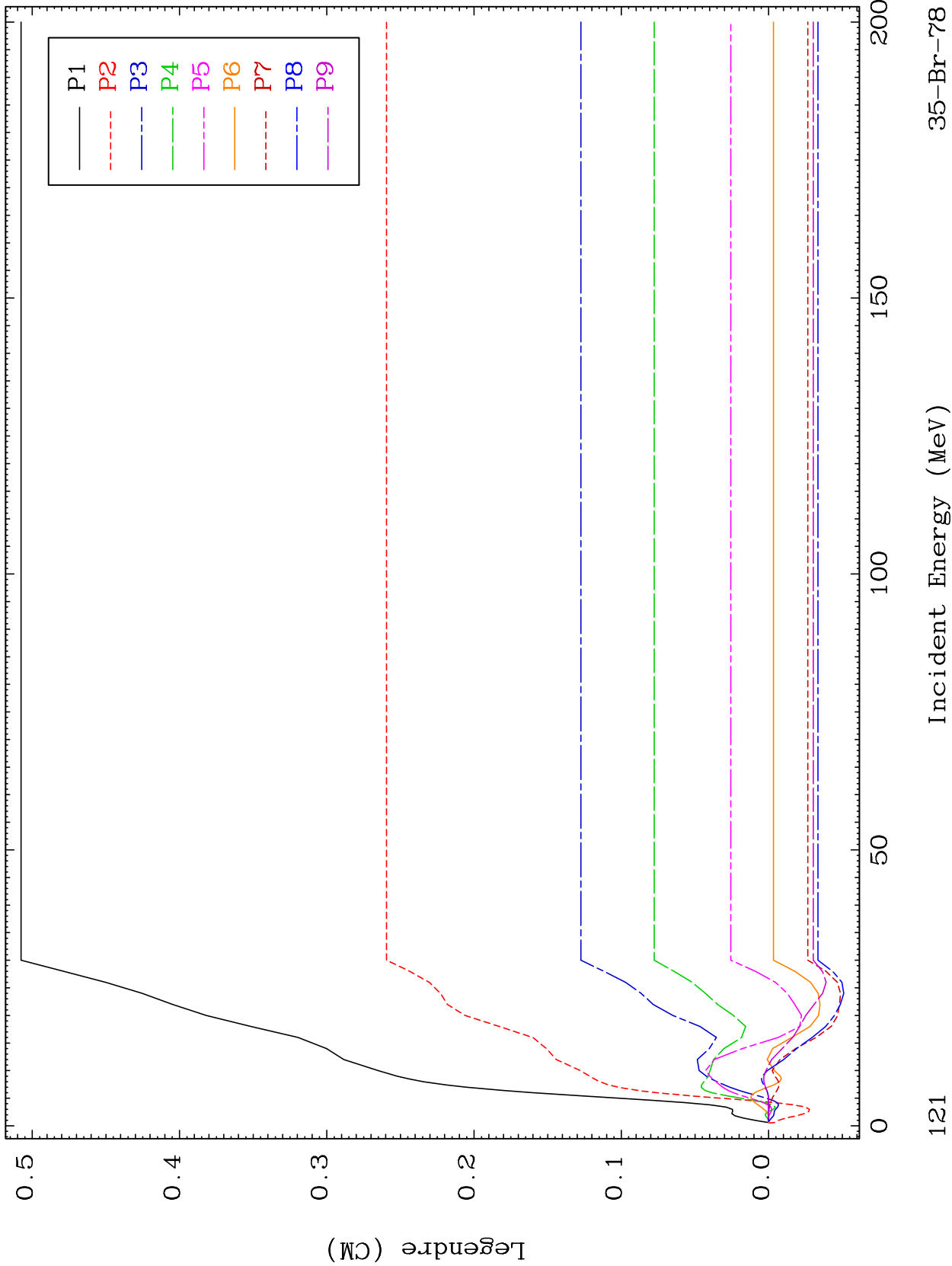




MAT 3522

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

35-Br-78



121

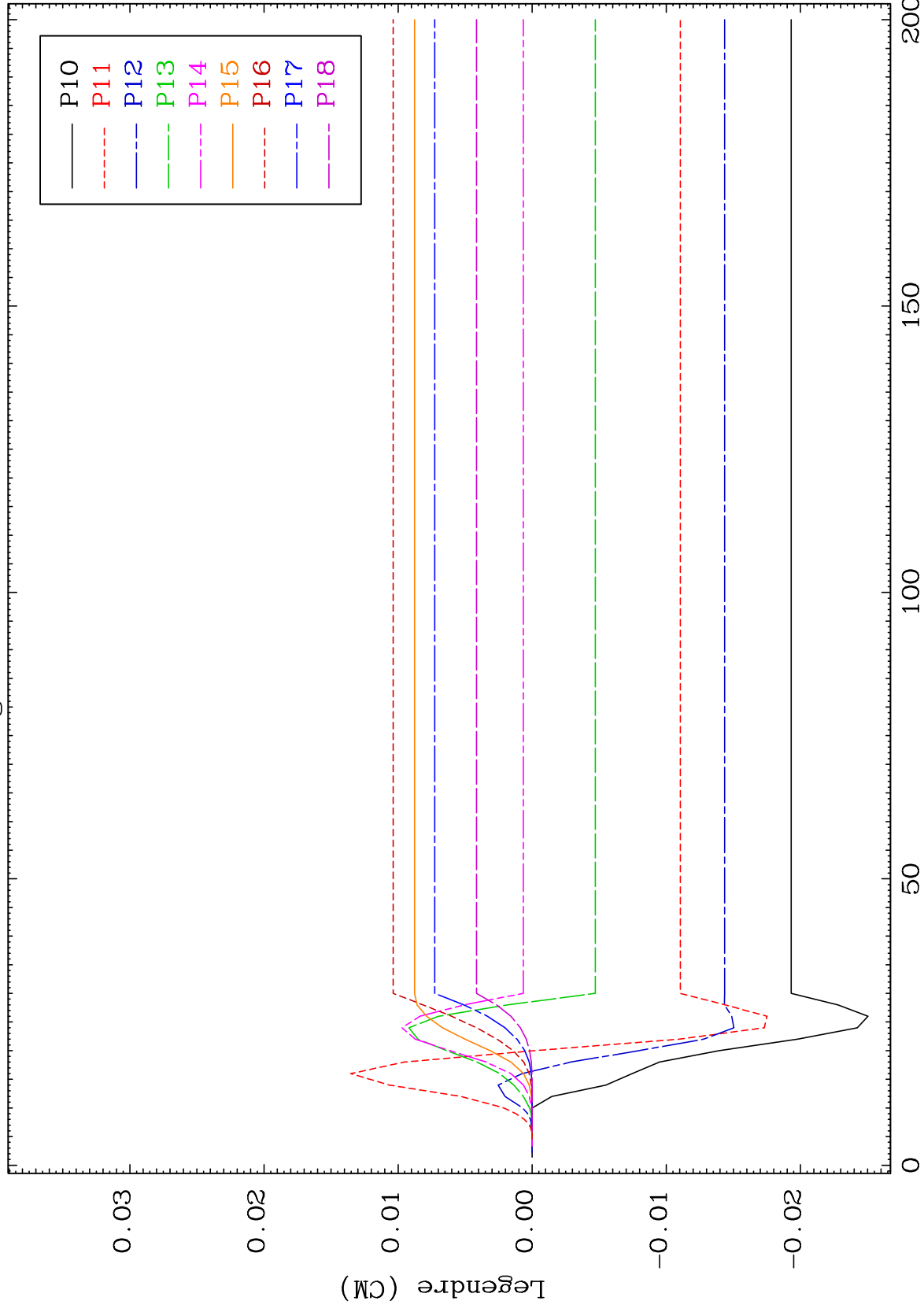
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



122

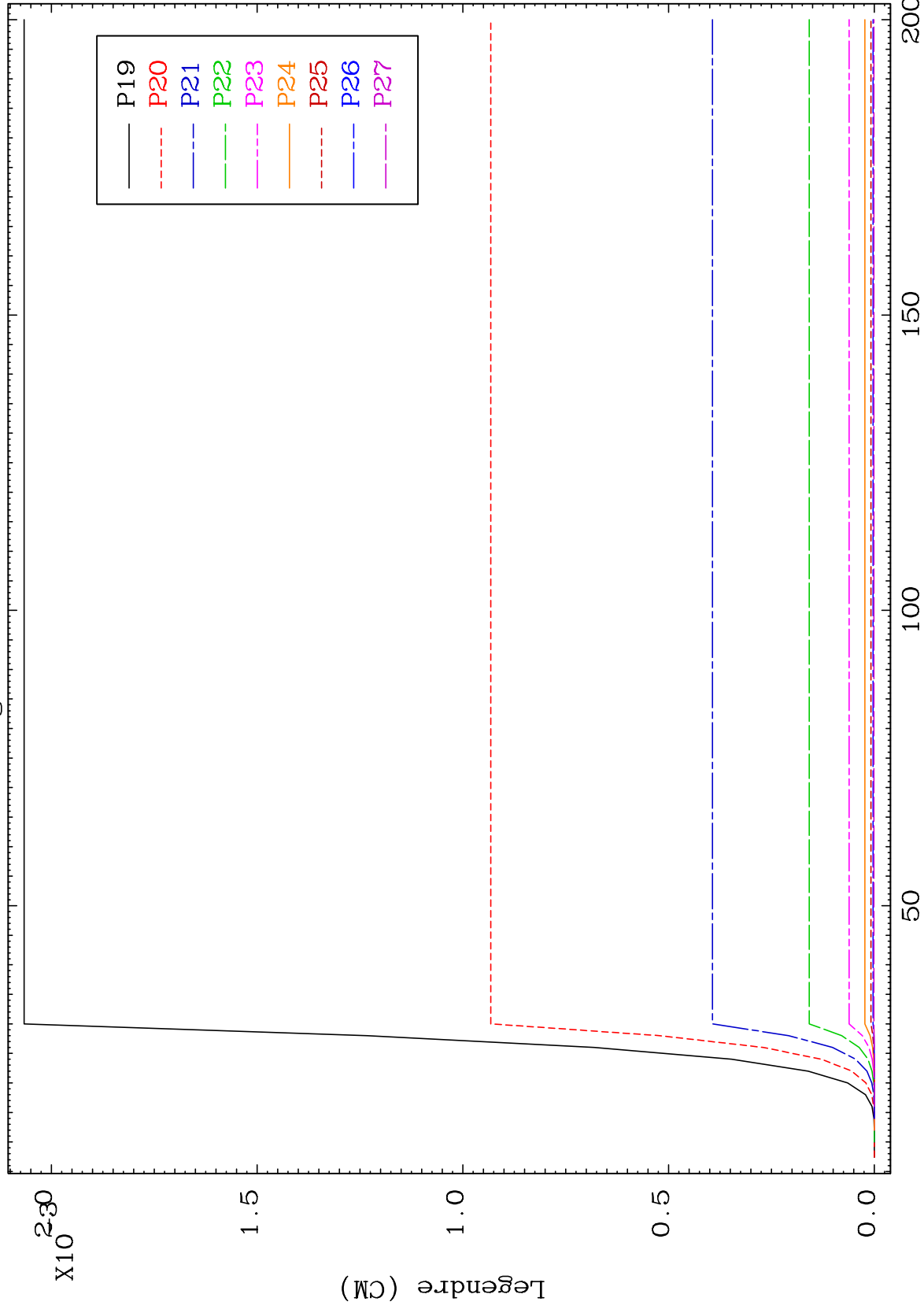
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



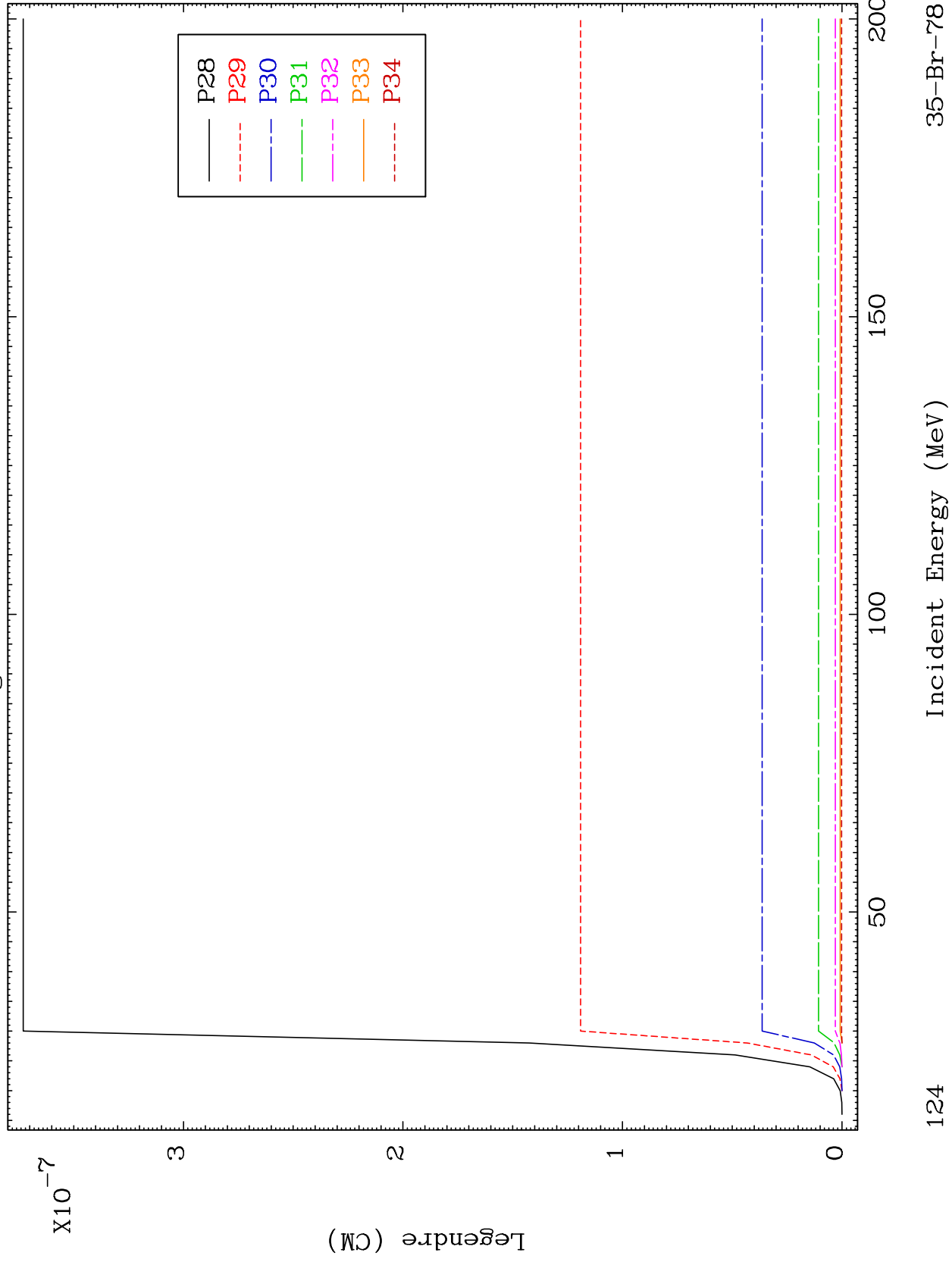
123

35-Br-78

MAT 3522

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

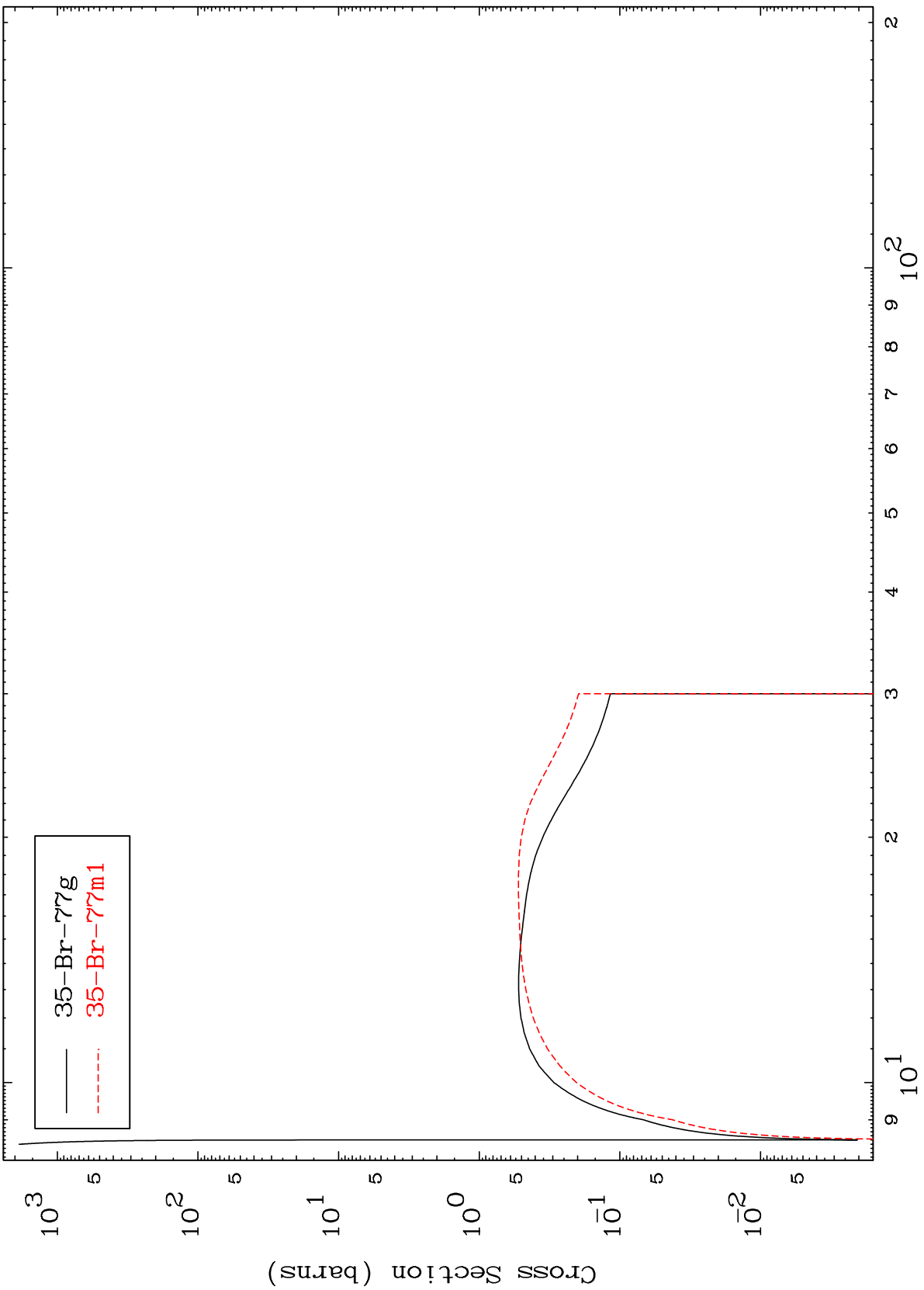
35-Br-78



MAT 3522

<sup>35</sup>Br-78

(n,2n)  
Radionuclide Production Cross Section



— 35-Br-77g  
- - - 35-Br-77m1

<sup>35</sup>Br-78

Incident Energy (MeV)

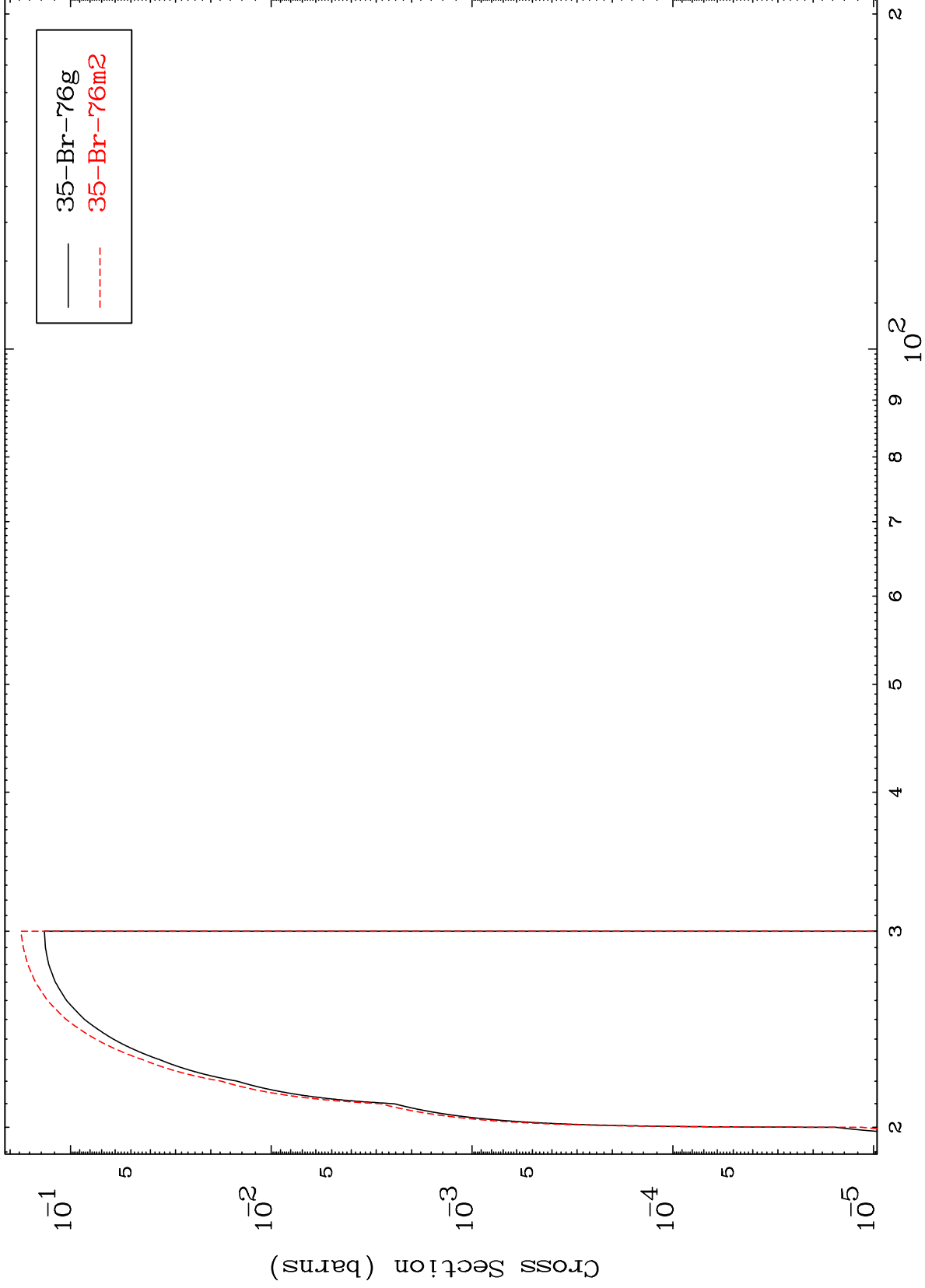
125

MAT 3522

(n,3n)

<sup>35</sup>Br-78

Radionuclide Production Cross Section



126

Incident Energy (MeV)

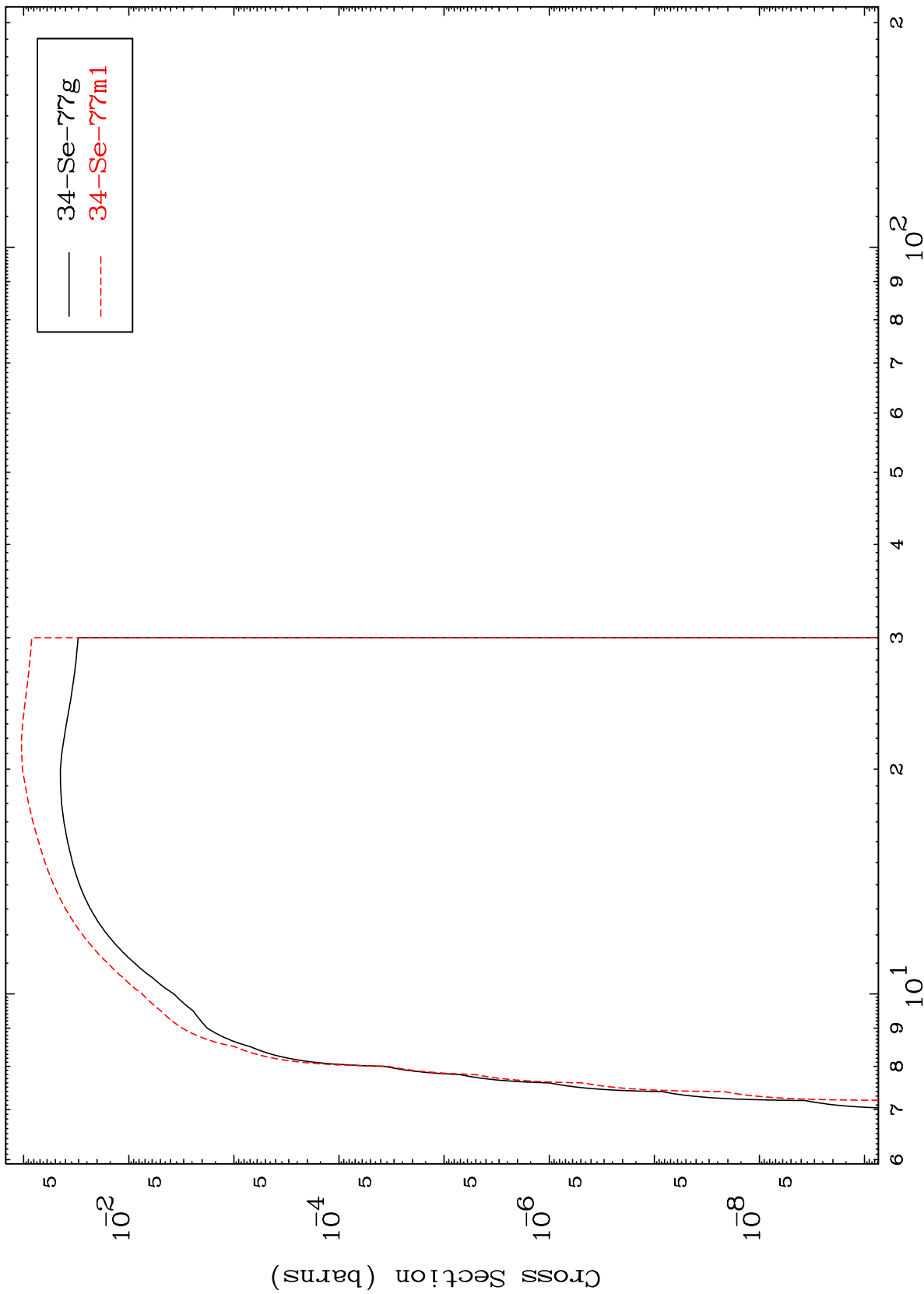
<sup>35</sup>Br-78

MAT 3522

(n,n') p

35-Br-78

Radionuclide Production Cross Section



127

Incident Energy (MeV)

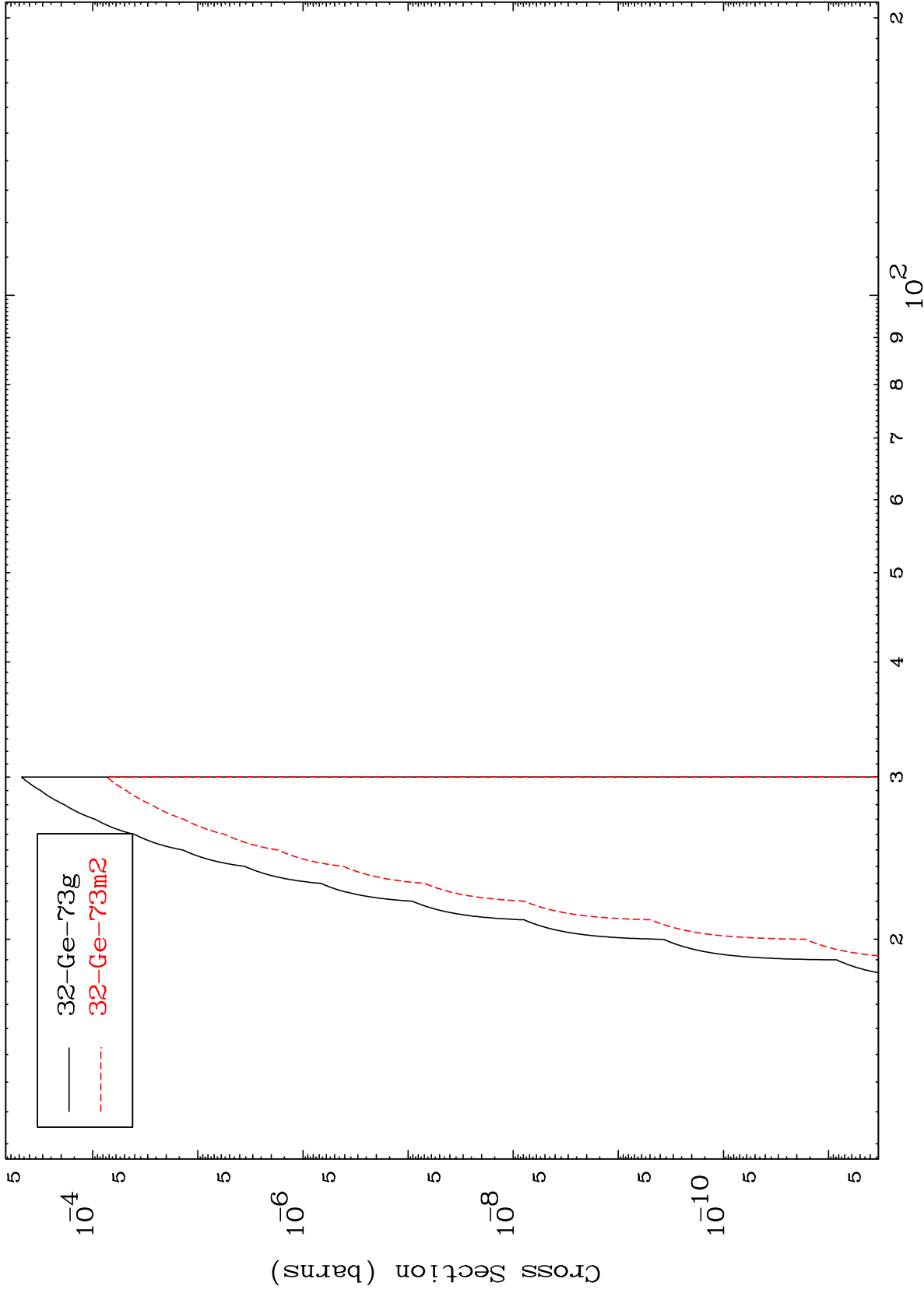
35-Br-78

MAT 3522

(n,n') p  $\alpha$

35-Br-78

Radionuclide Production Cross Section



128

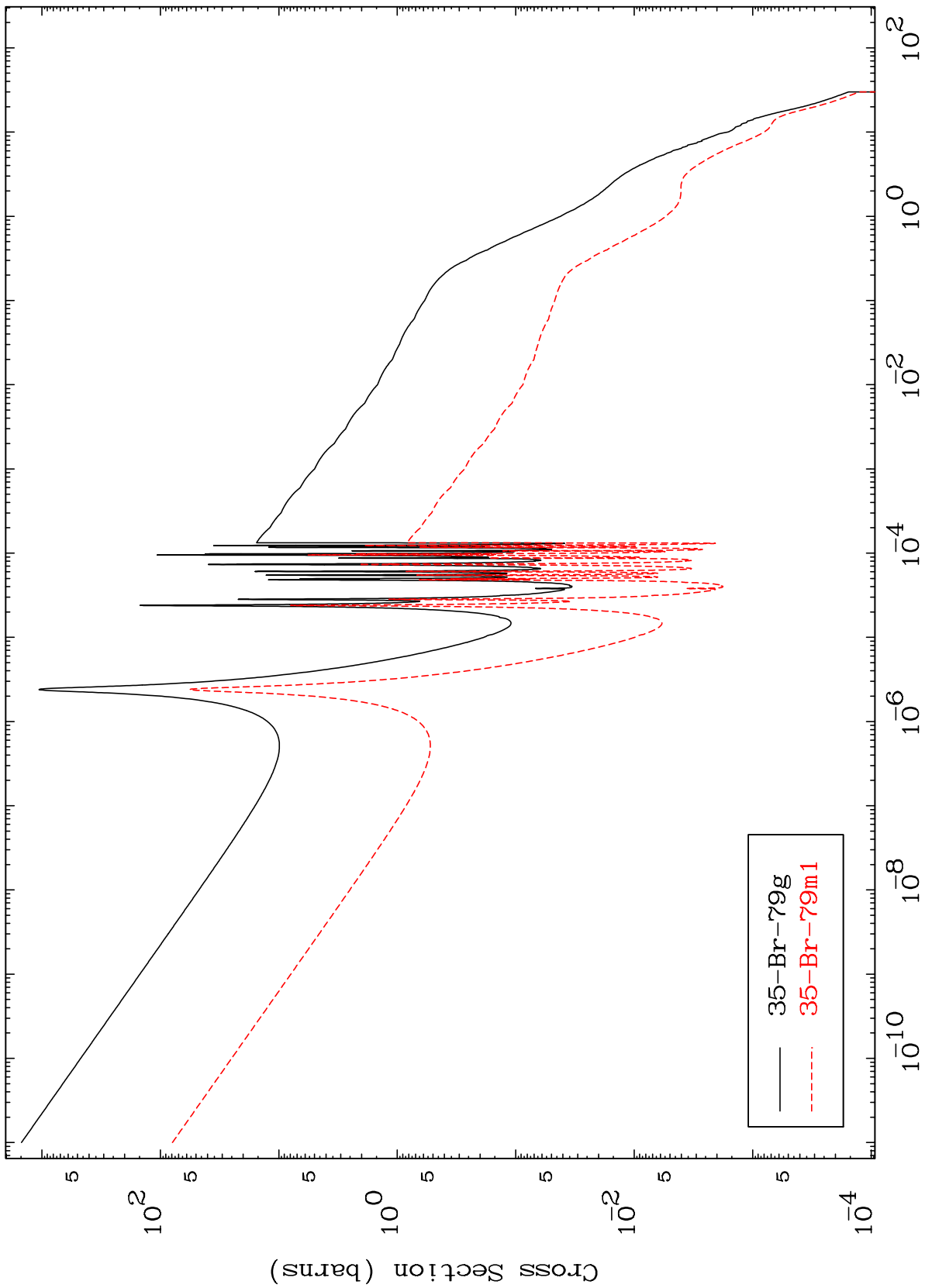
Incident Energy (MeV)

35-Br-78

MAT 3522

<sup>35</sup>Br-78

(n,γ)  
Radionuclide Production Cross Section

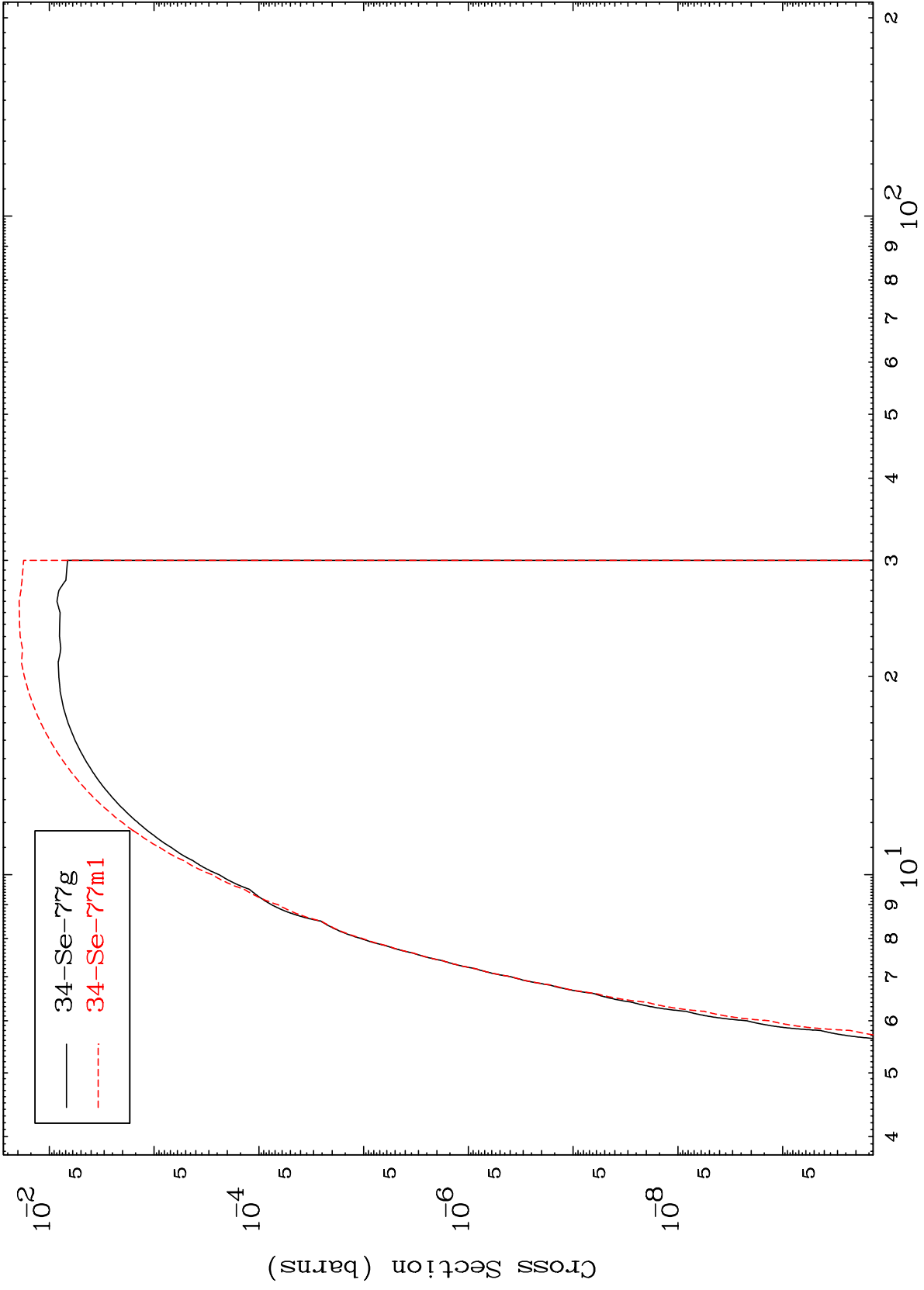


— 35-Br-79g  
- - - 35-Br-79m1

MAT 3522

35-Br-78

(n,d)  
Radionuclide Production Cross Section



130

Incident Energy (MeV)

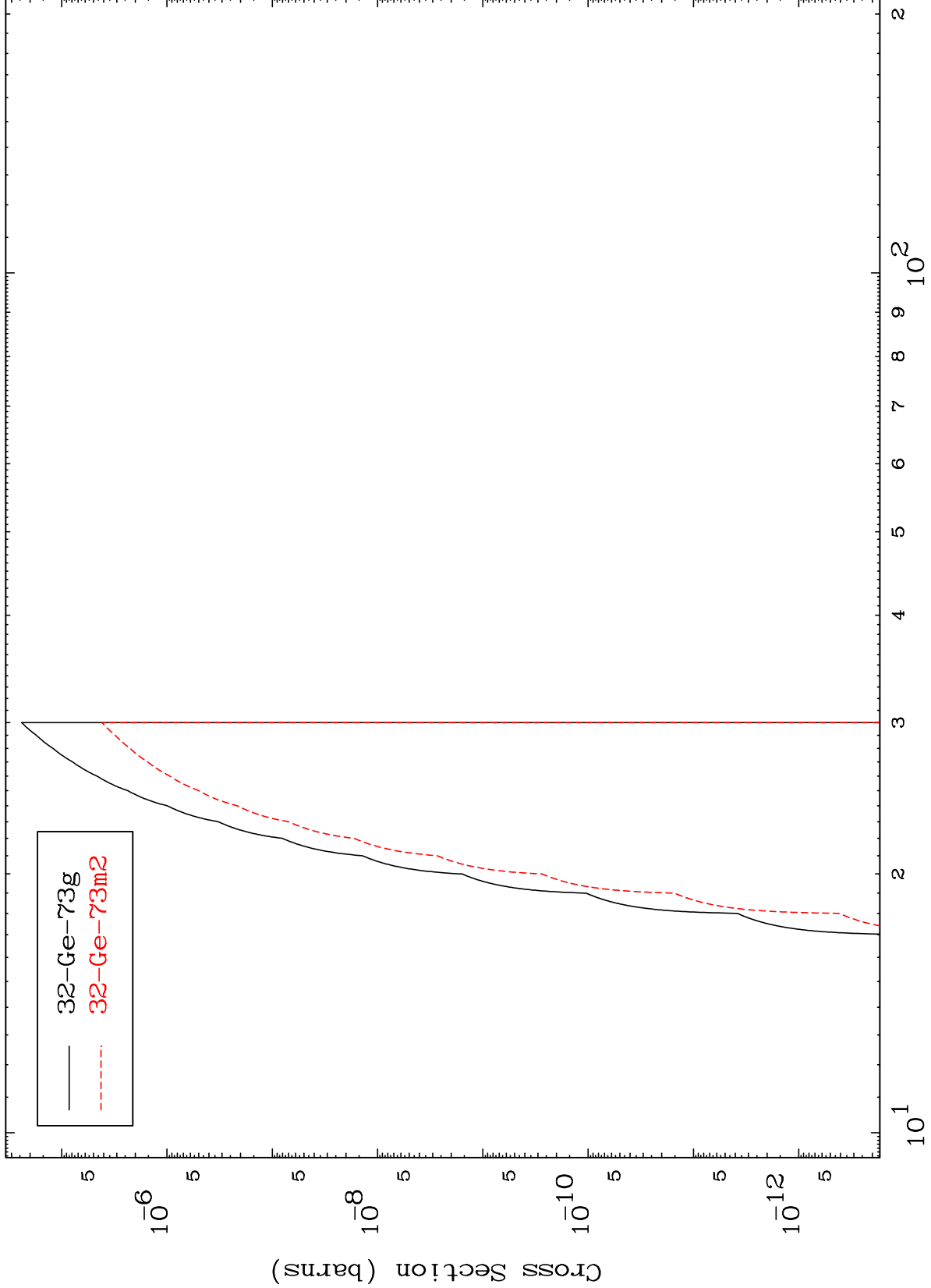
35-Br-78

MAT 3522

(n,d)  $\alpha$

<sup>35</sup>Br-78

Radionuclide Production Cross Section



— <sup>32</sup>Ge-73g  
- - - <sup>32</sup>Ge-73m2

Incident Energy (MeV)

<sup>35</sup>Br-78

131