

Program EVALPLOT  
(Version 2021-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

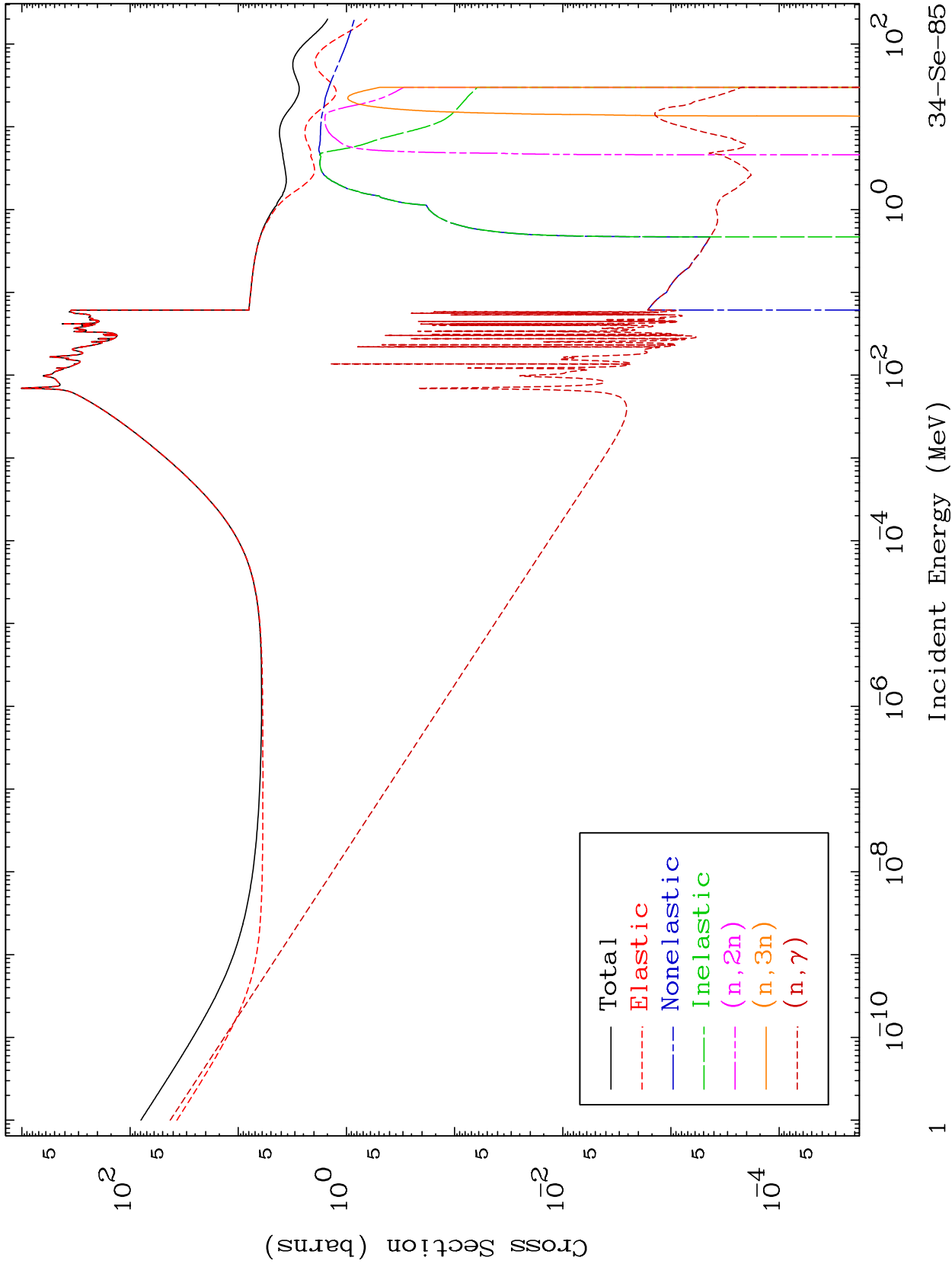
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3458

Neutron Major  
293 Kelvin Cross Sections

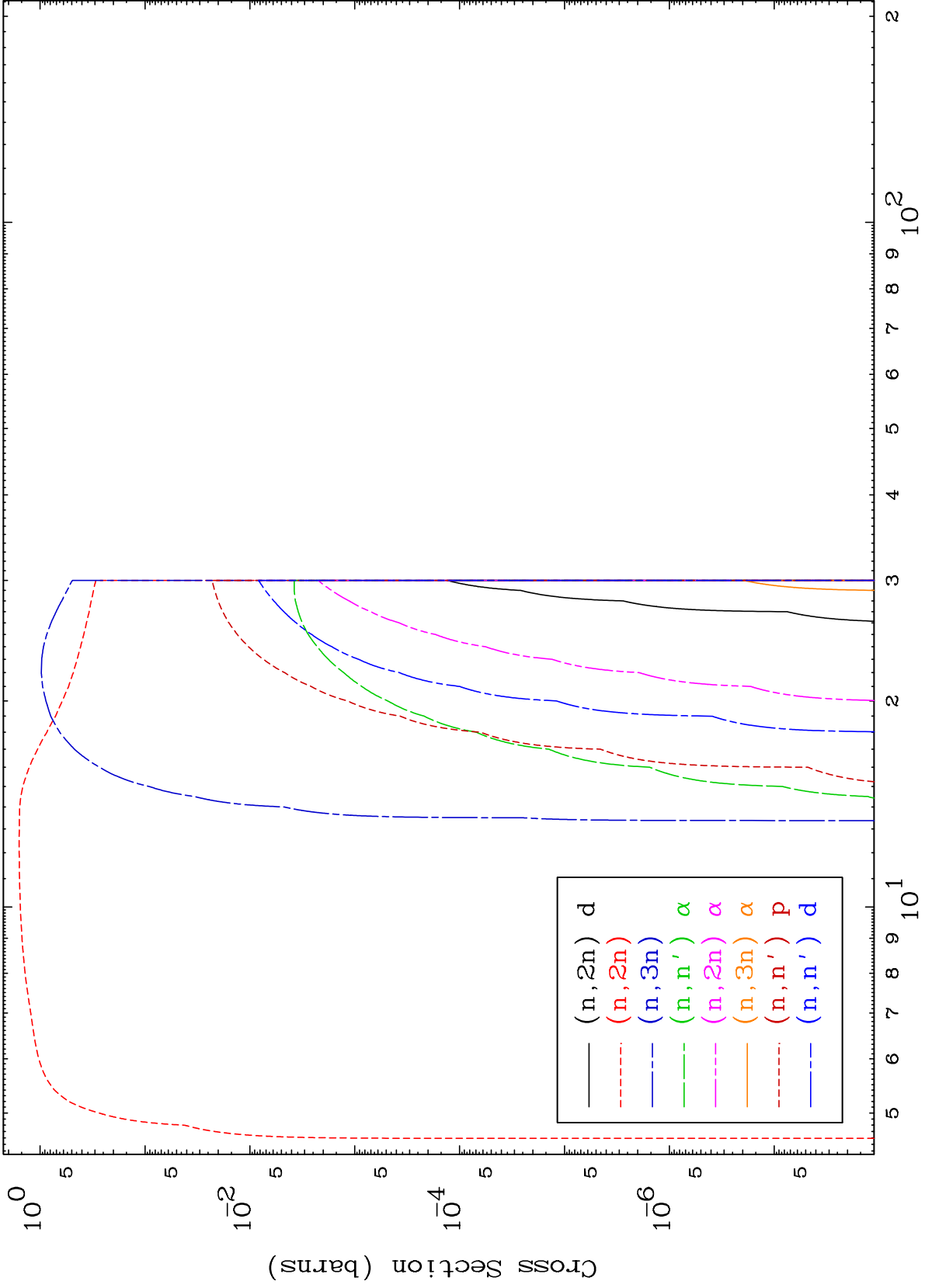
<sup>34</sup>Se-85



MAT 3458

Neutron Absorption  
293 Kelvin Cross Sections

<sup>34</sup>Se-85



Incident Energy (MeV)

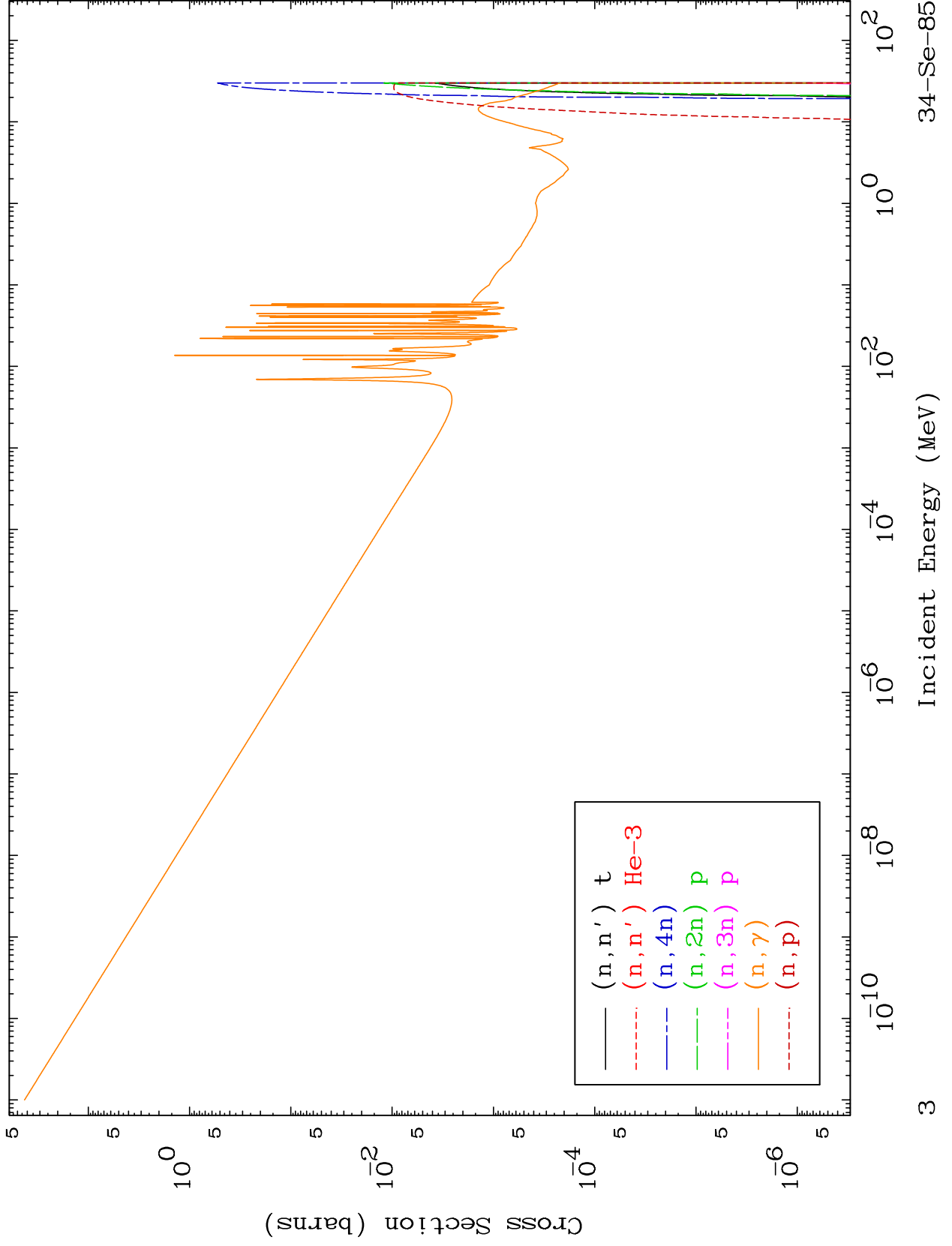
<sup>34</sup>Se-85

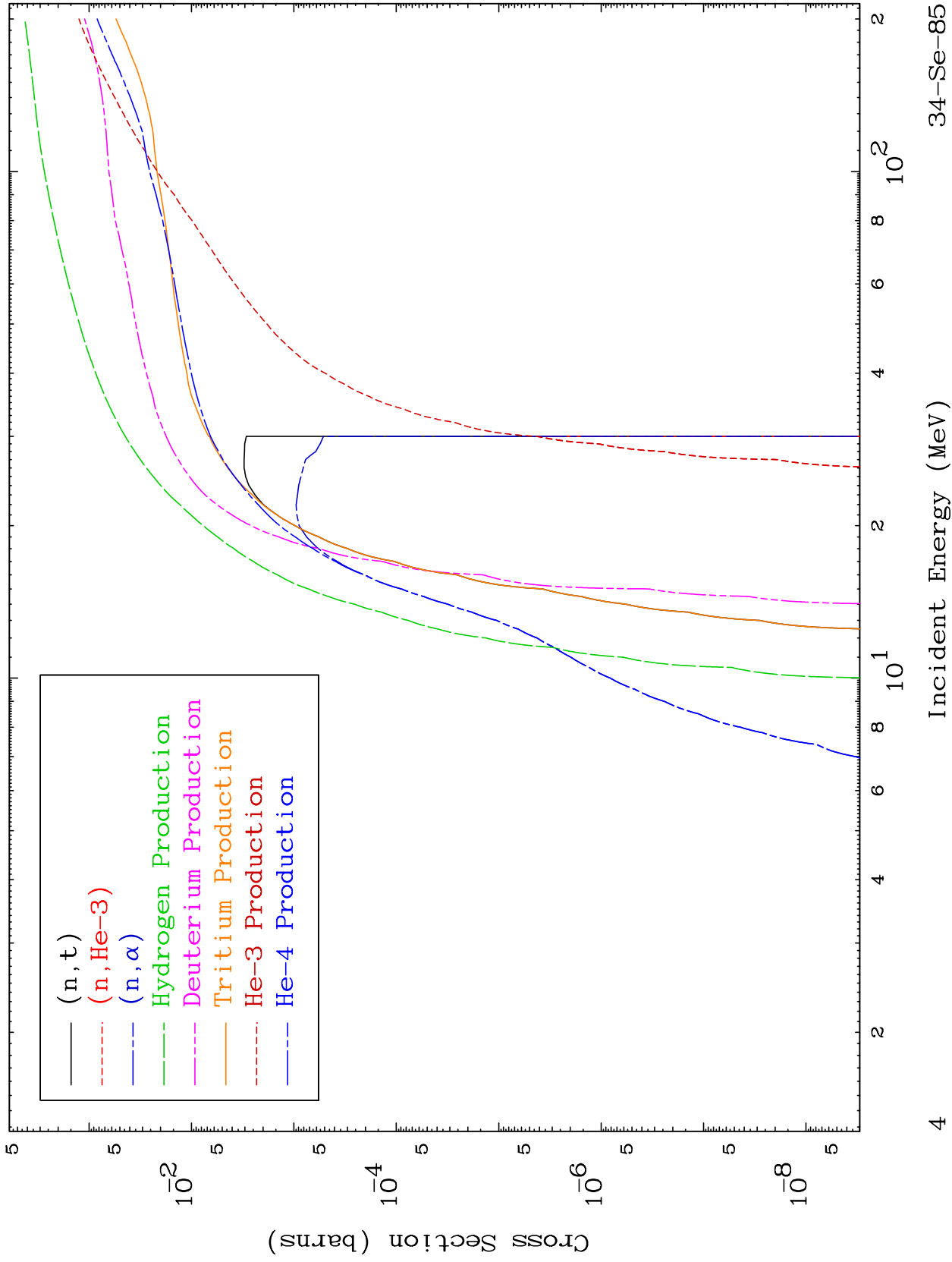
2

MAT 3458

Neutron Absorption  
293 Kelvin Cross Sections

34-Se-85

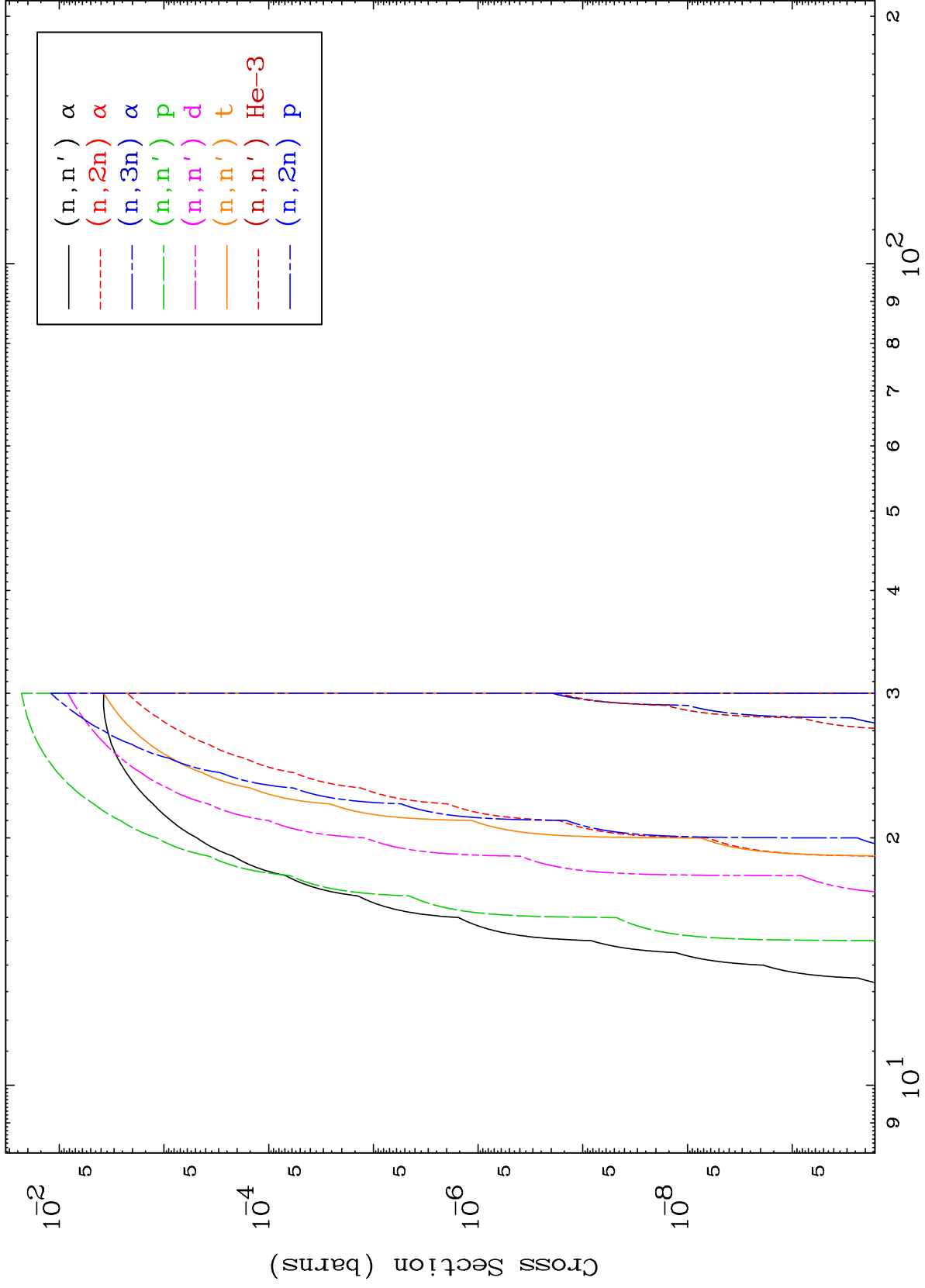




MAT 3458

Charged Particle  
293 Kelvin Cross Sections

34-Se-85



34-Se-85

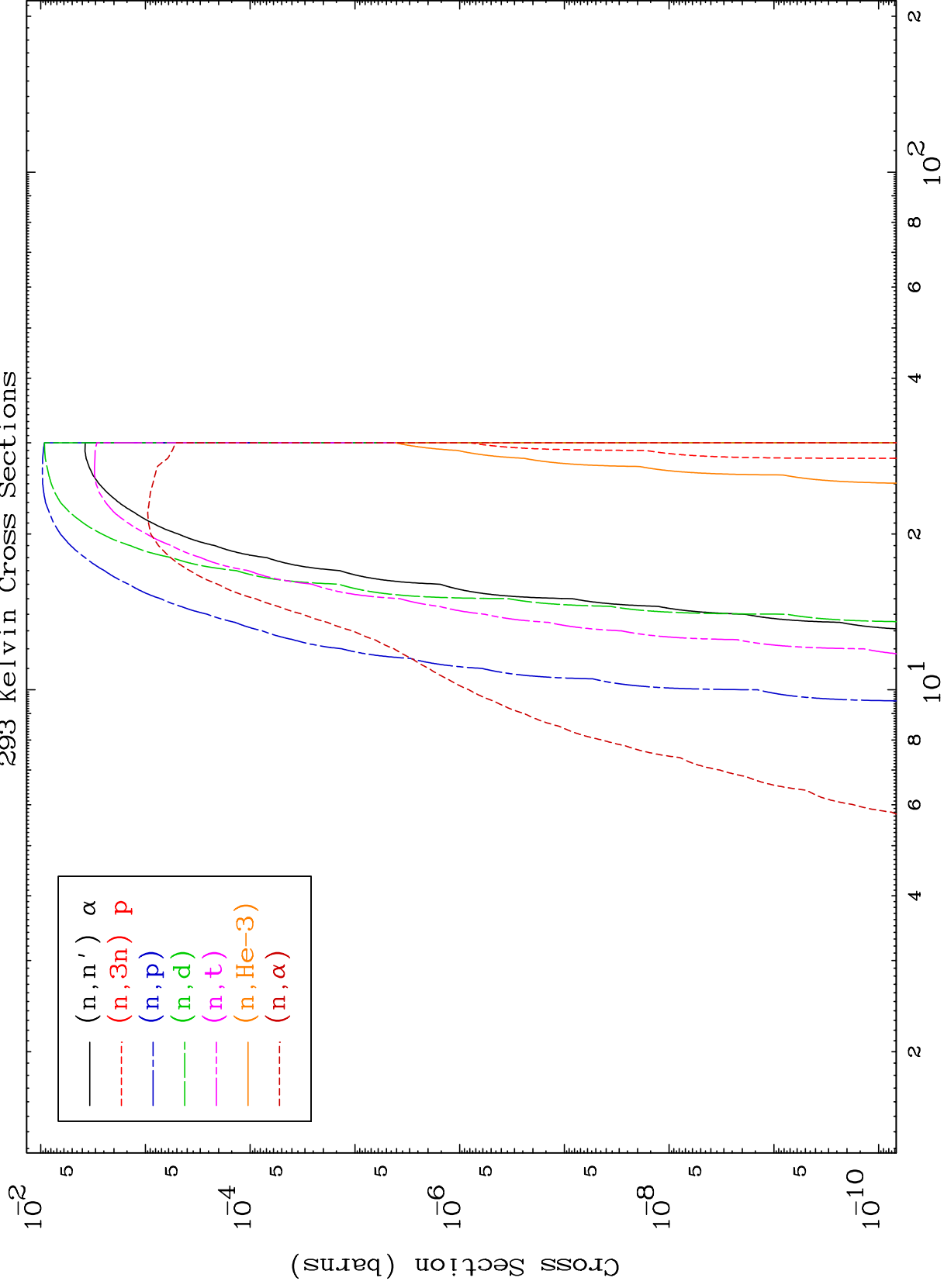
Incident Energy (MeV)

5

MAT 3458

Charged Particle  
293 Kelvin Cross Sections

<sup>34</sup>Se-85



6

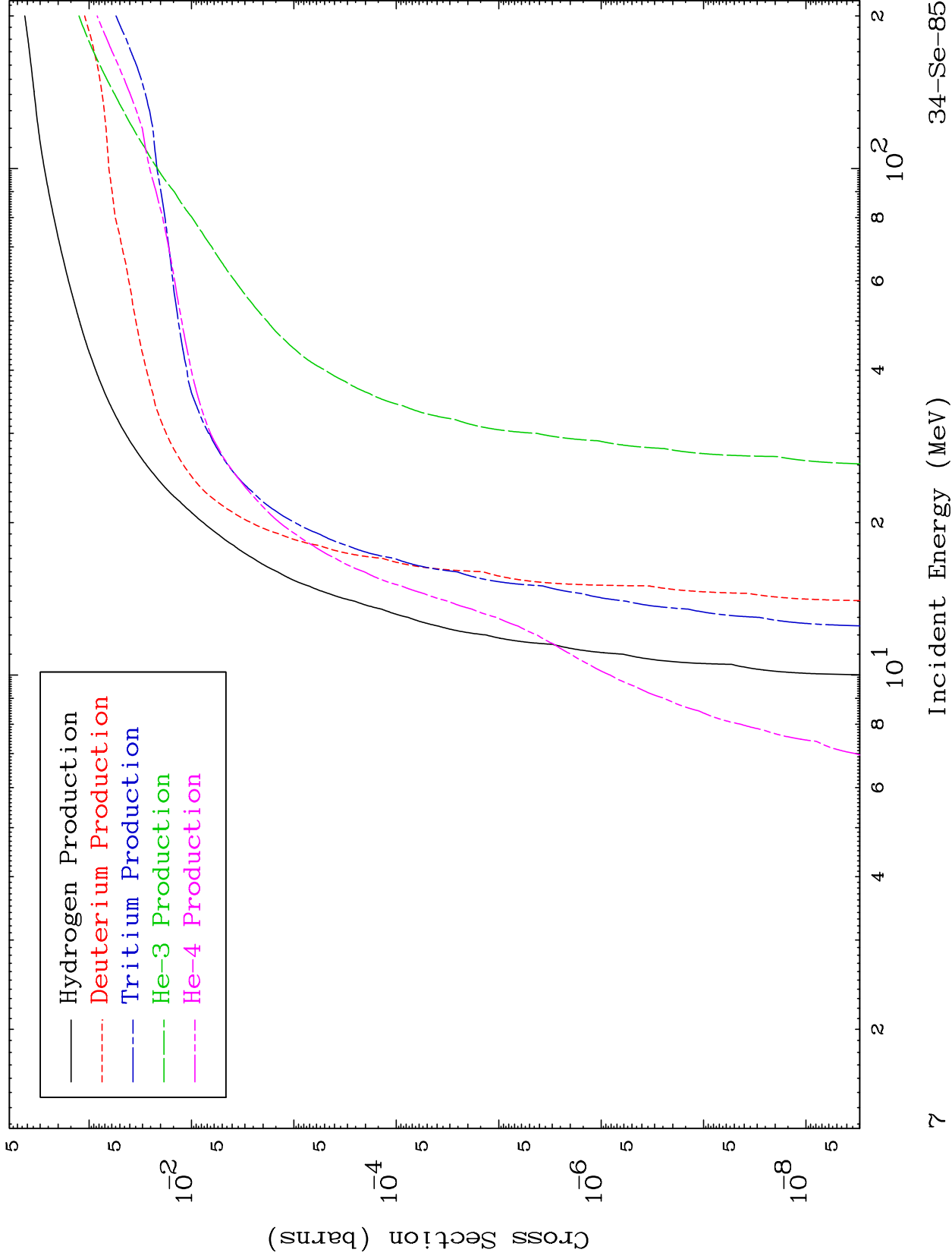
Incident Energy (MeV)

<sup>34</sup>Se-85

MAT 3458

Particle Production  
293 Kelvin Cross Sections

<sup>34</sup>Se-85

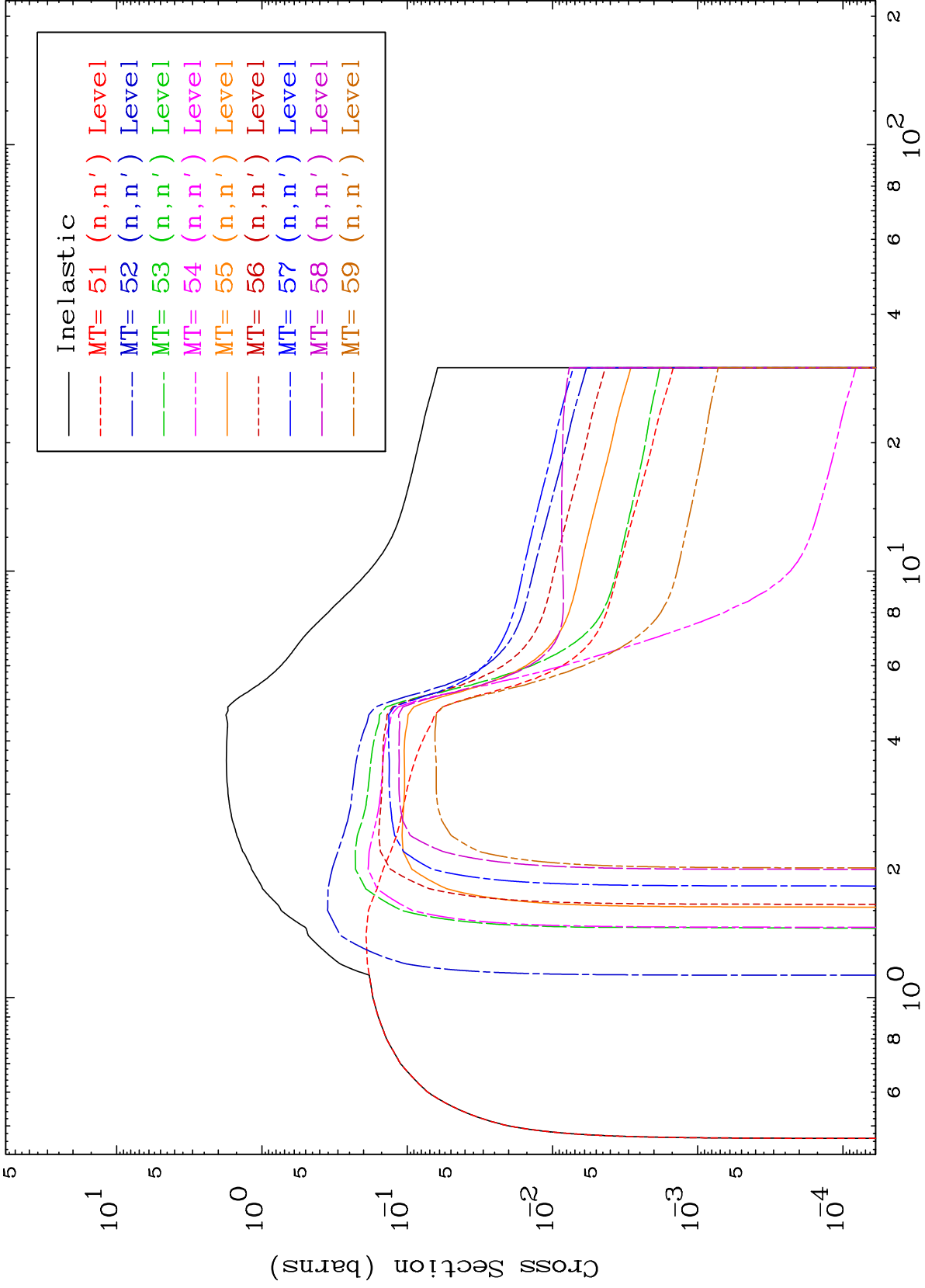


MAT 3458

(n,n') Levels

34-Se-85

293 Kelvin Cross Sections



8

Incident Energy (MeV)

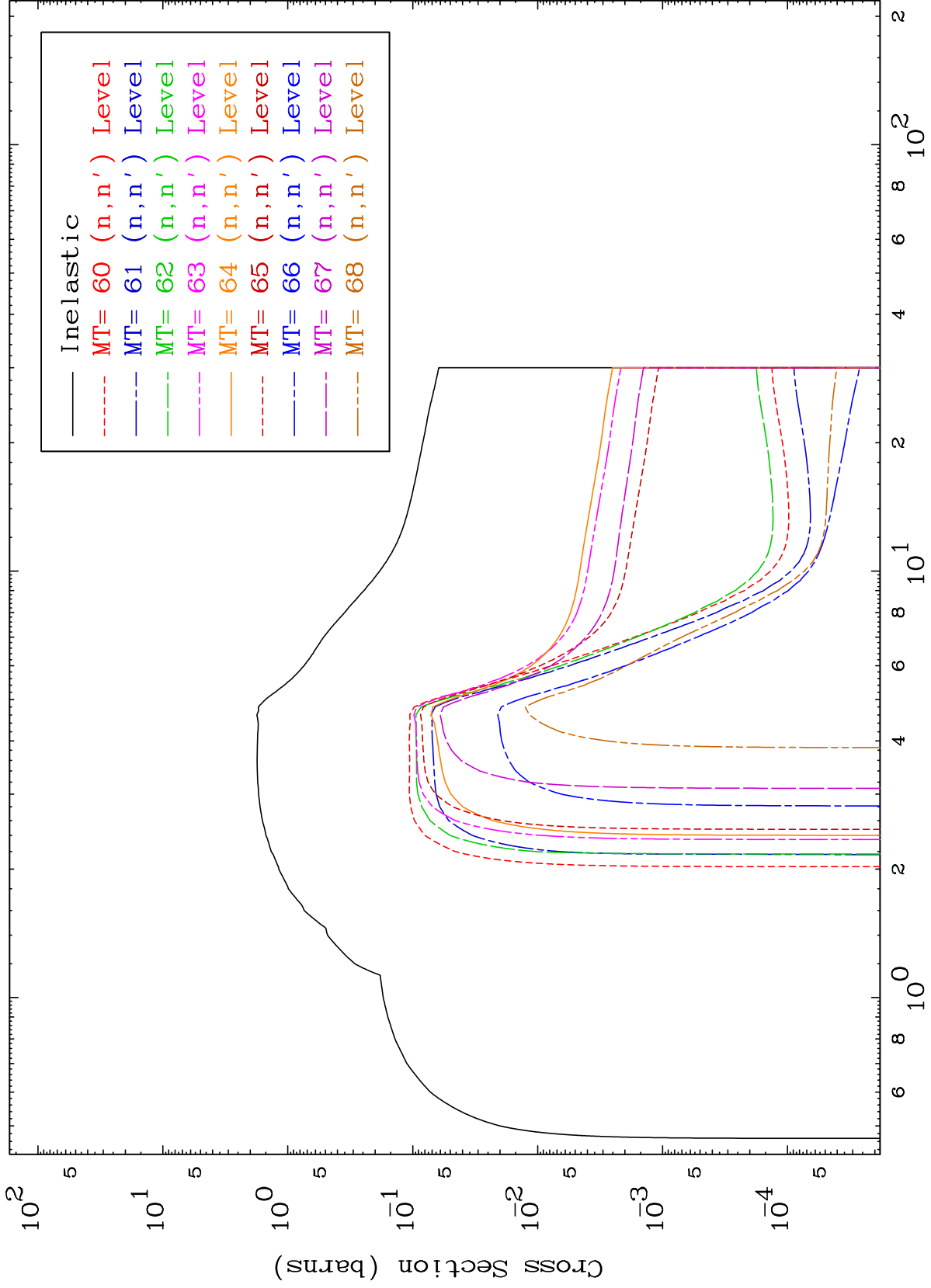
34-Se-85

MAT 3458

(n,n') Levels

34-Se-85

293 Kelvin Cross Sections

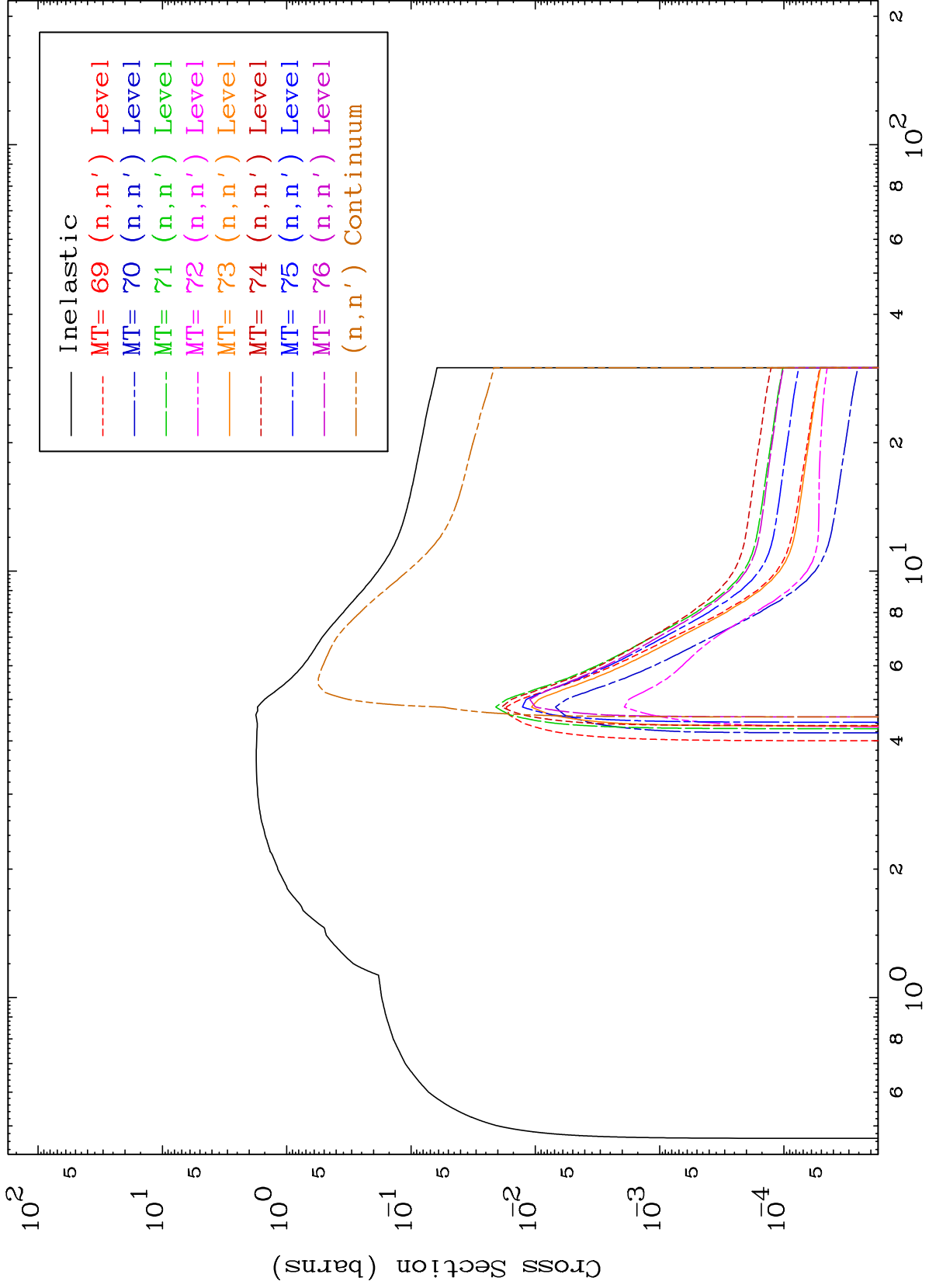


MAT 3458

(n,n') Levels

34-Se-85

293 Kelvin Cross Sections



10

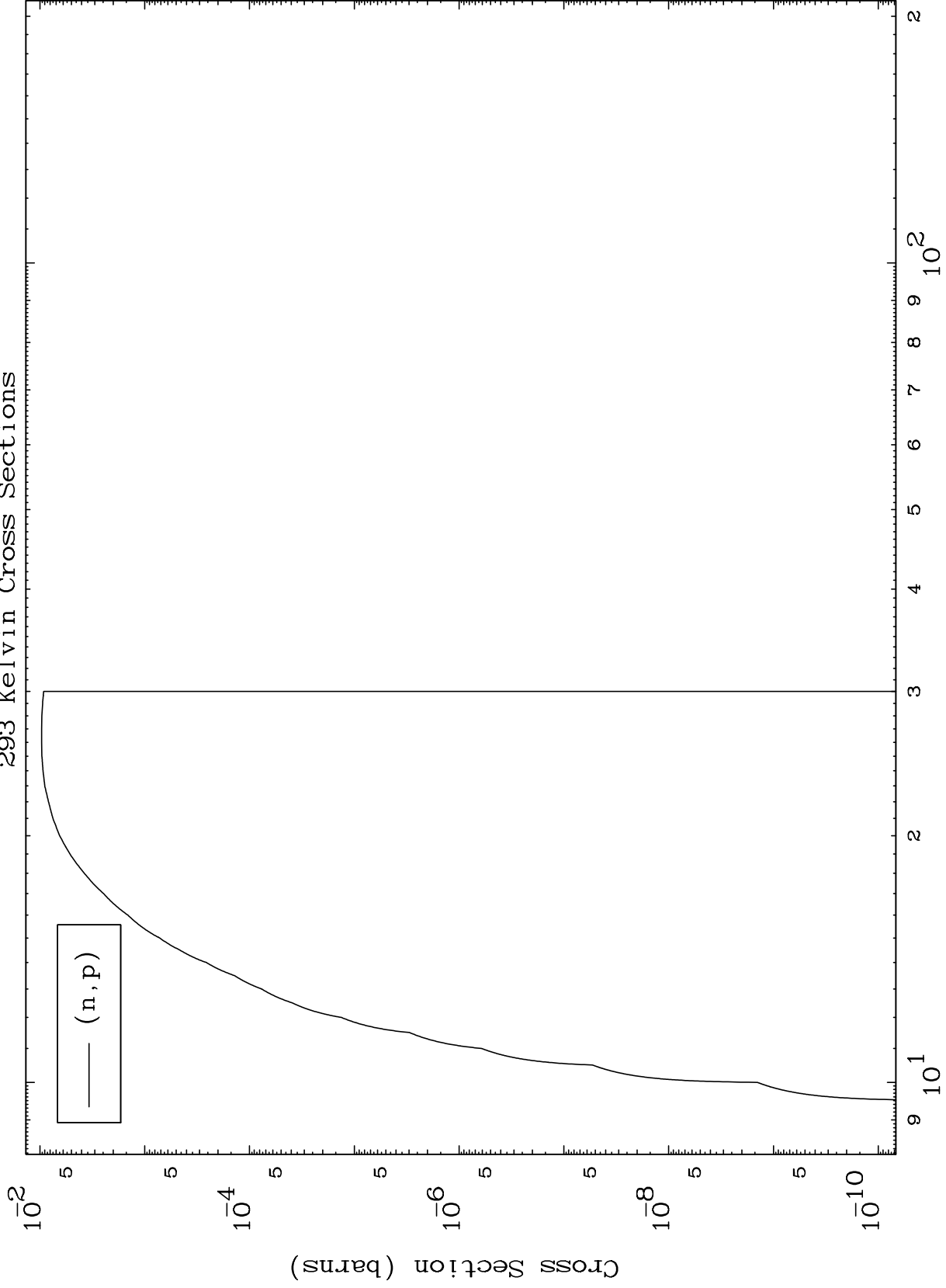
Incident Energy (MeV)

34-Se-85

MAT 3458

(n,p) Levels  
293 Kelvin Cross Sections

<sup>34</sup>Se-85



11

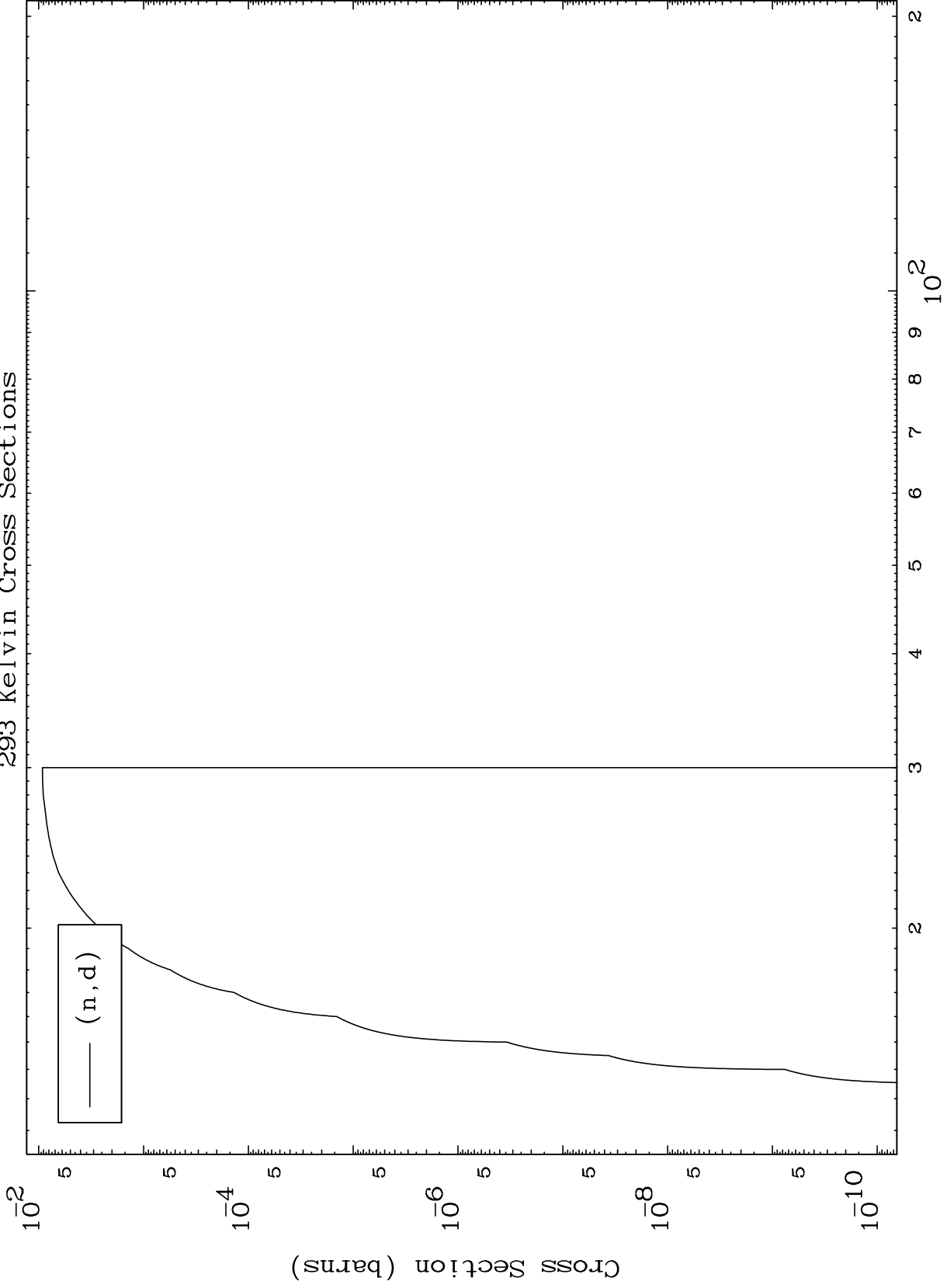
Incident Energy (MeV)

<sup>34</sup>Se-85

MAT 3458

(n,d) Levels  
293 Kelvin Cross Sections

<sup>34</sup>Se-85



12

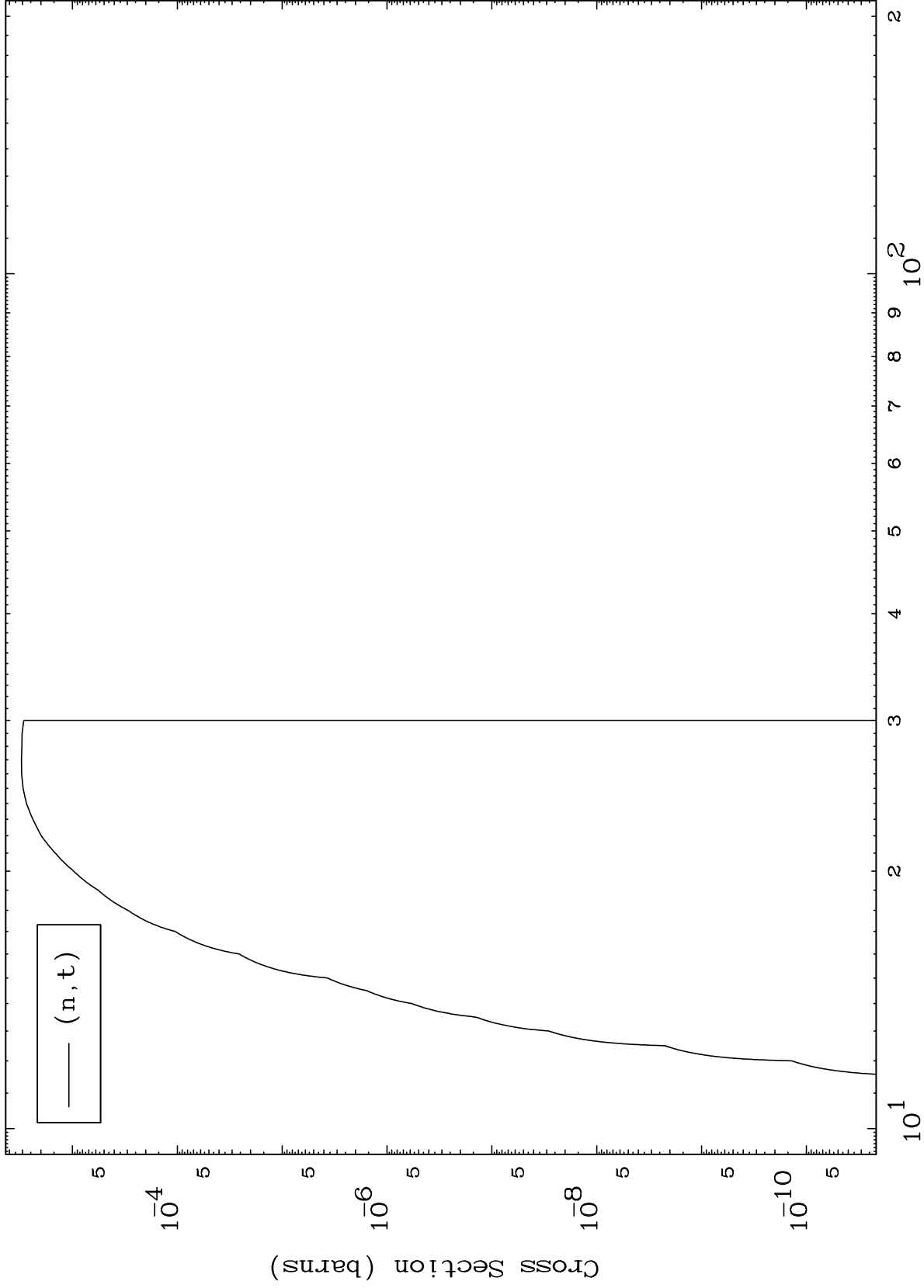
Incident Energy (MeV)

<sup>34</sup>Se-85

MAT 3458

(n,t) Levels  
293 Kelvin Cross Sections

34-Se-85



13

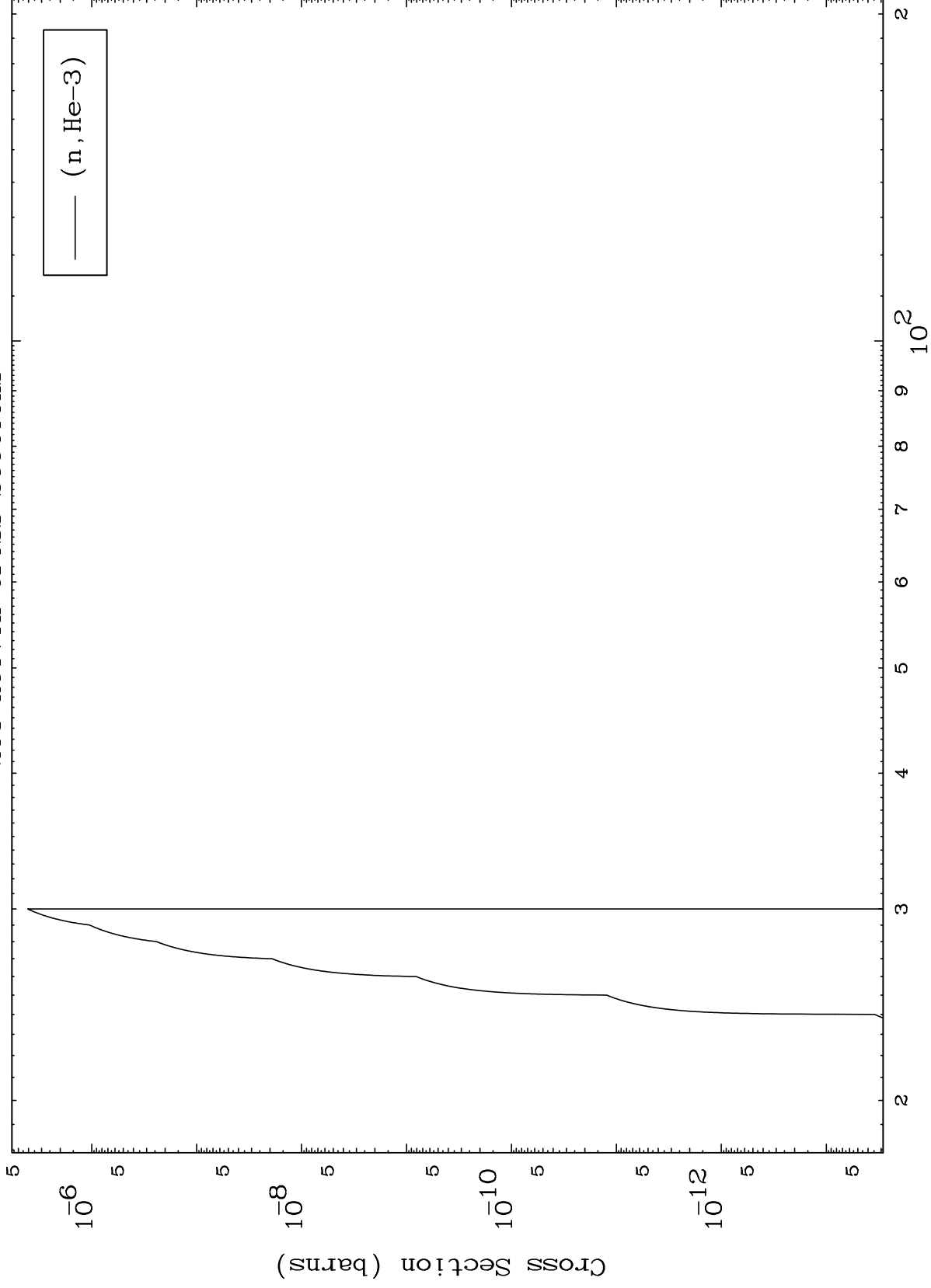
Incident Energy (MeV)

34-Se-85

MAT 3458

(n,He3) Levels  
293 Kelvin Cross Sections

34-Se-85



14

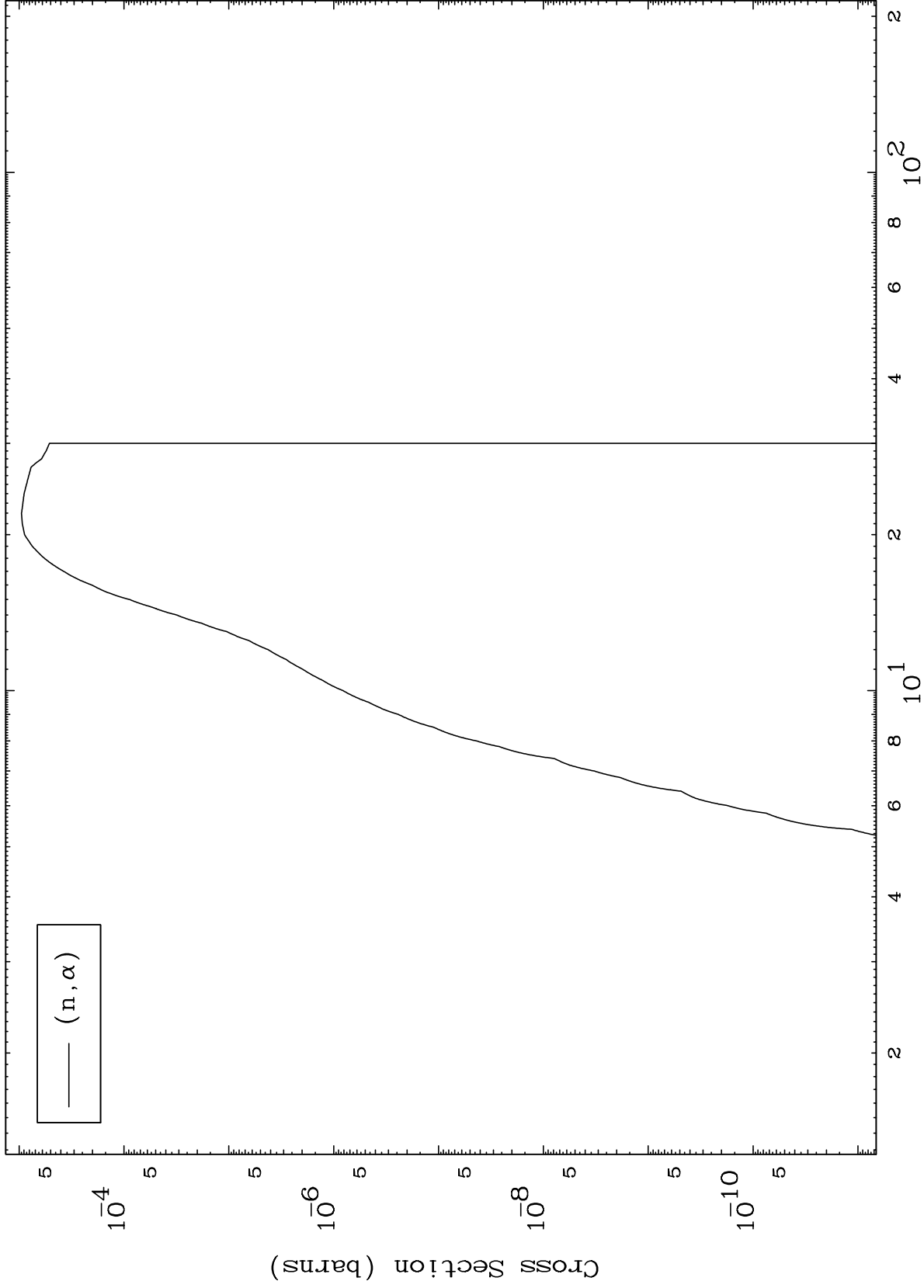
Incident Energy (MeV)

34-Se-85

MAT 3458

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

34-Se-85



15

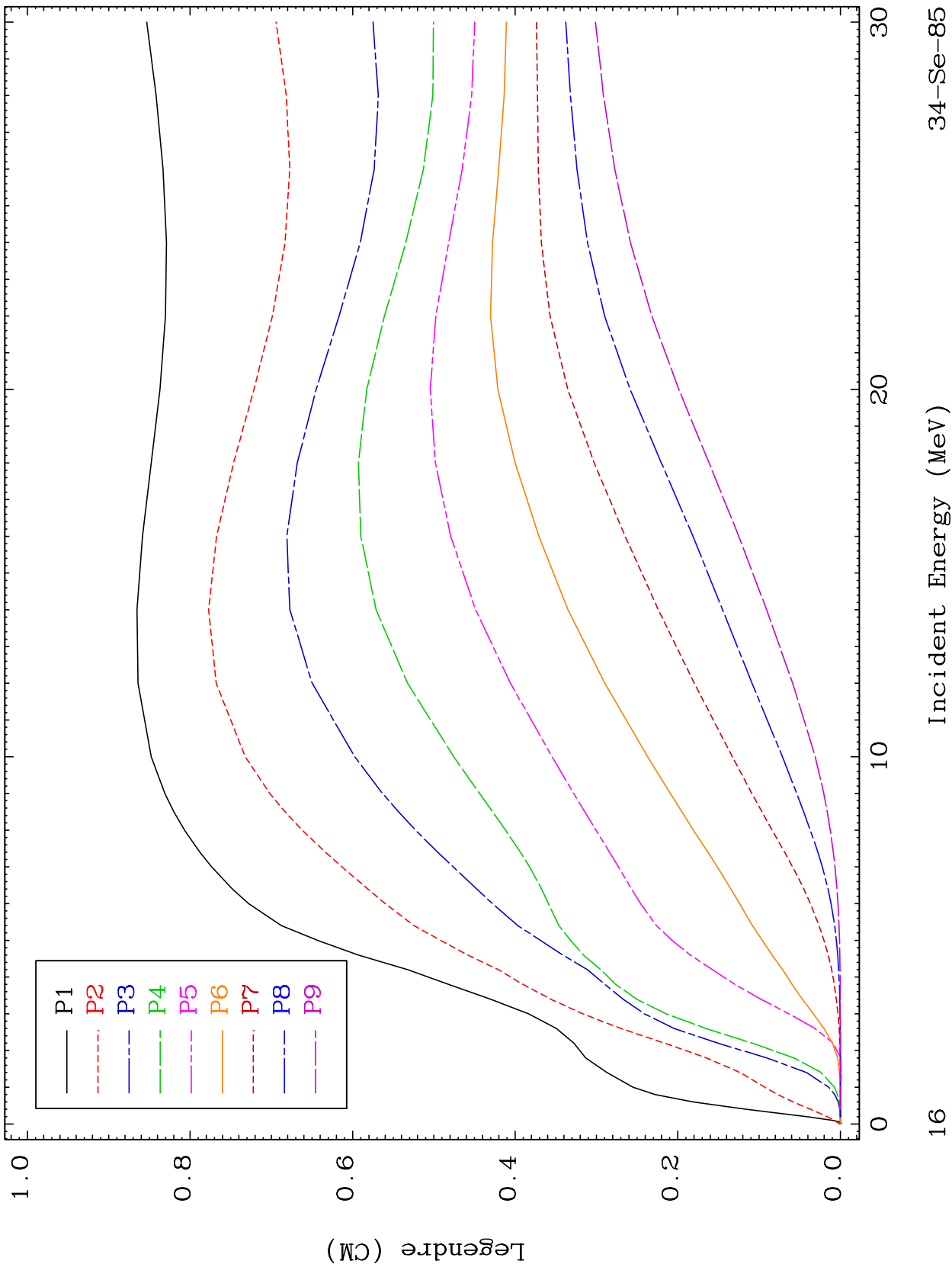
Incident Energy (MeV)

34-Se-85

MAT 3458

Elastic Legendre Coefficients

<sup>34</sup>Se-85



16

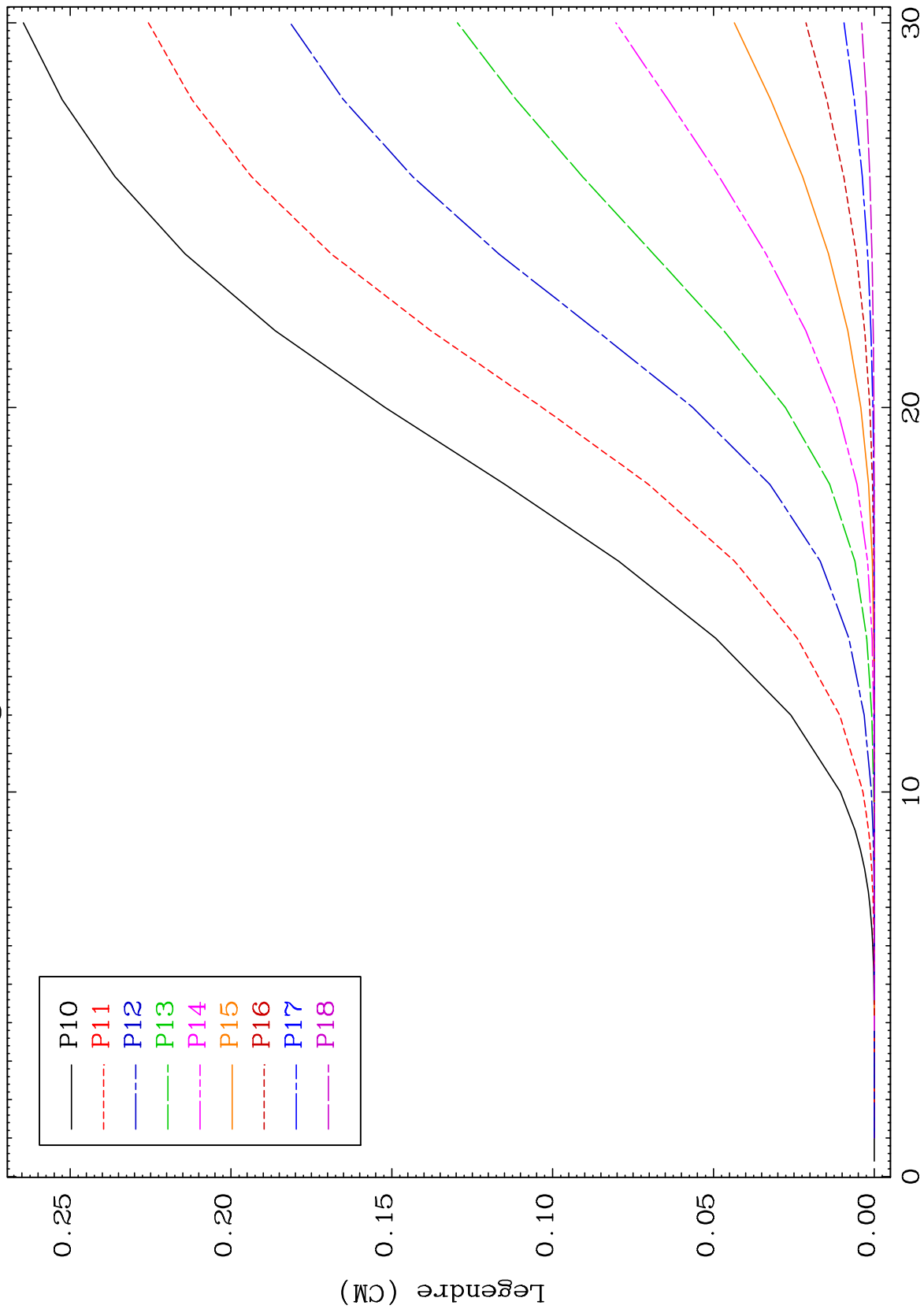
Incident Energy (MeV)

<sup>34</sup>Se-85

MAT 3458

Elastic  
Legendre Coefficients

<sup>34</sup>Se-85



17

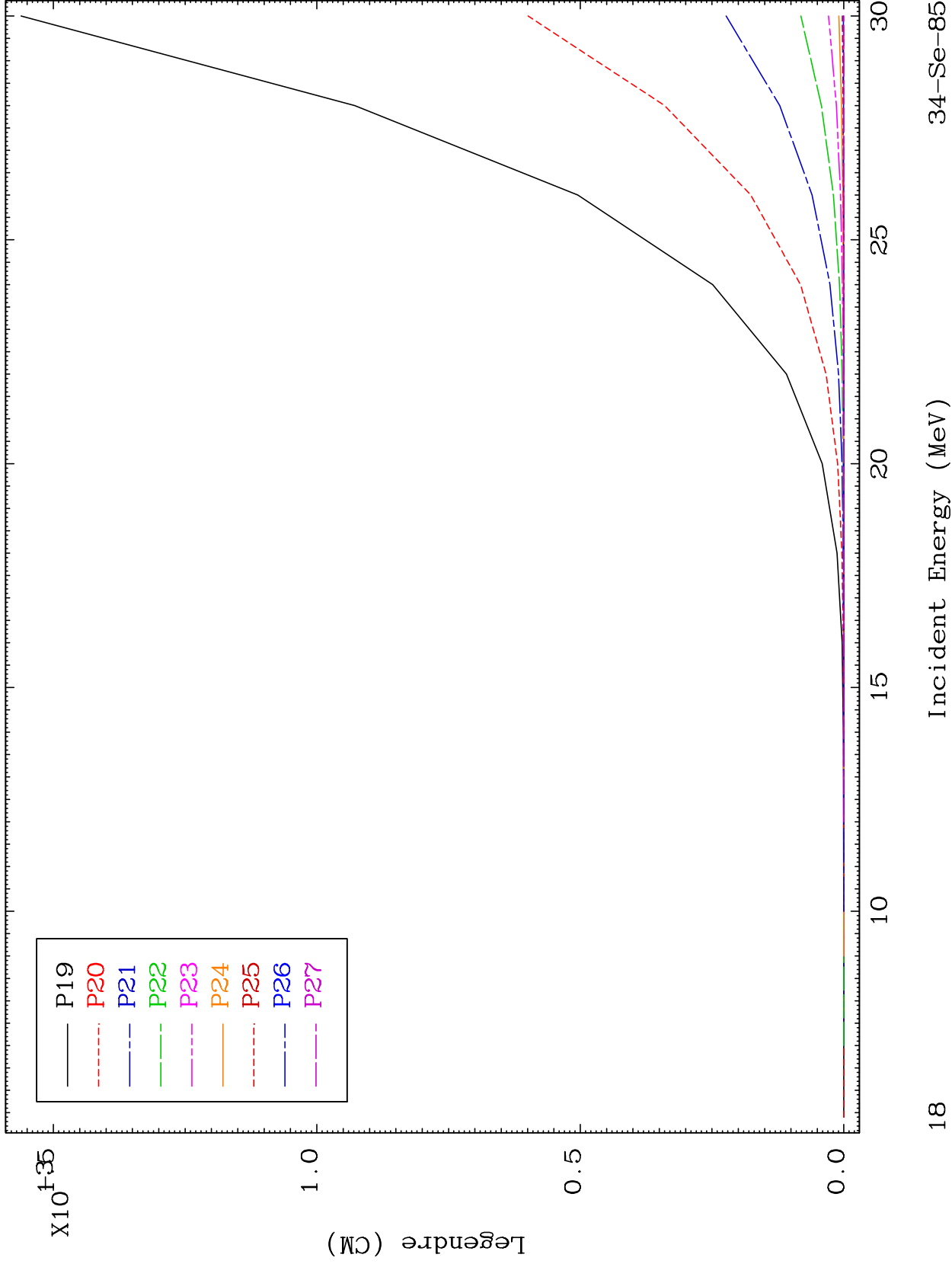
Incident Energy (MeV)

<sup>34</sup>Se-85

MAT 3458

Elastic  
Legendre Coefficients

<sup>34</sup>Se-85



18

Incident Energy (MeV)

<sup>34</sup>Se-85

10

15

20

25

30

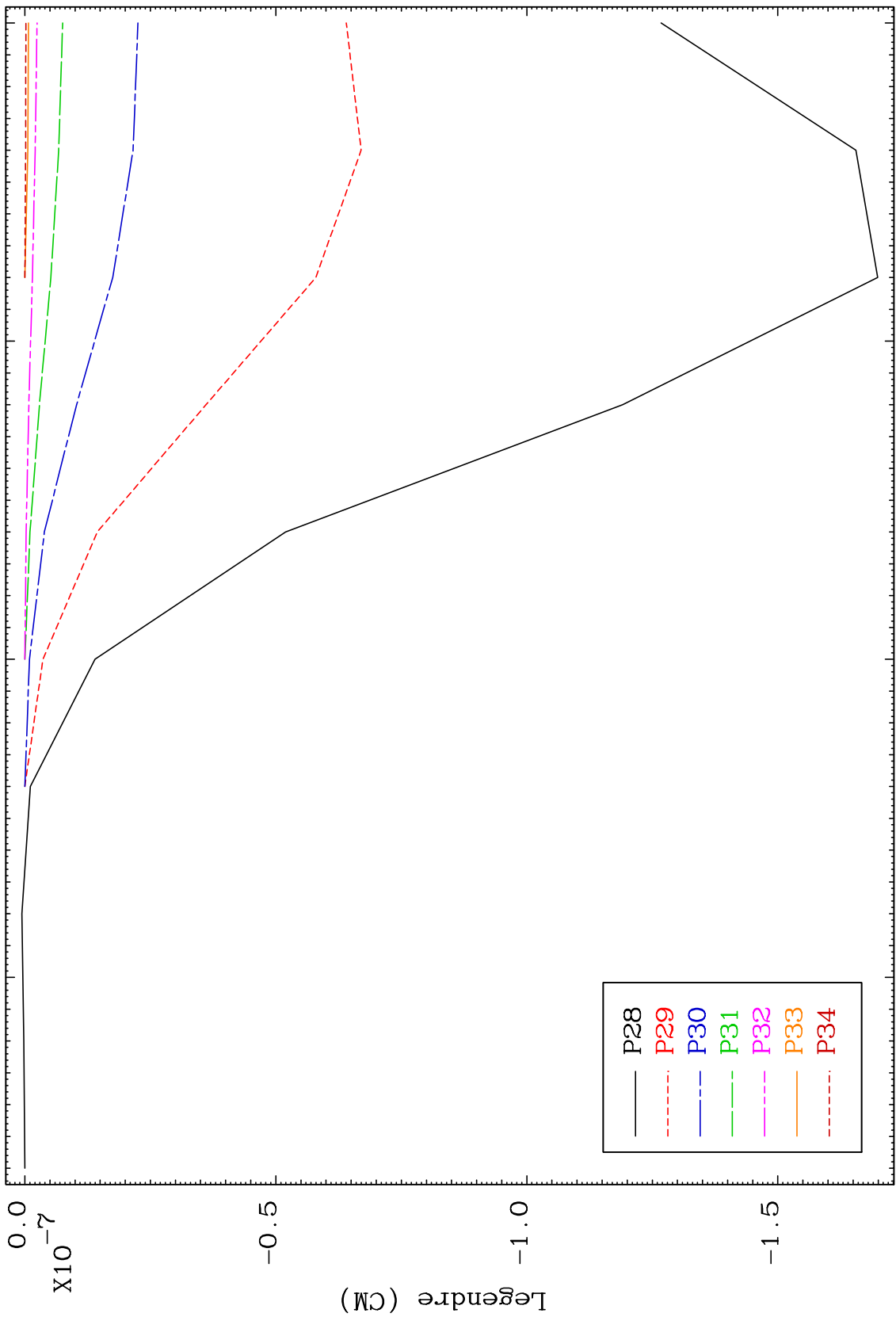
$\times 10^{-35}$

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

MAT 3458

34-Se-85

Elastic Legendre Coefficients

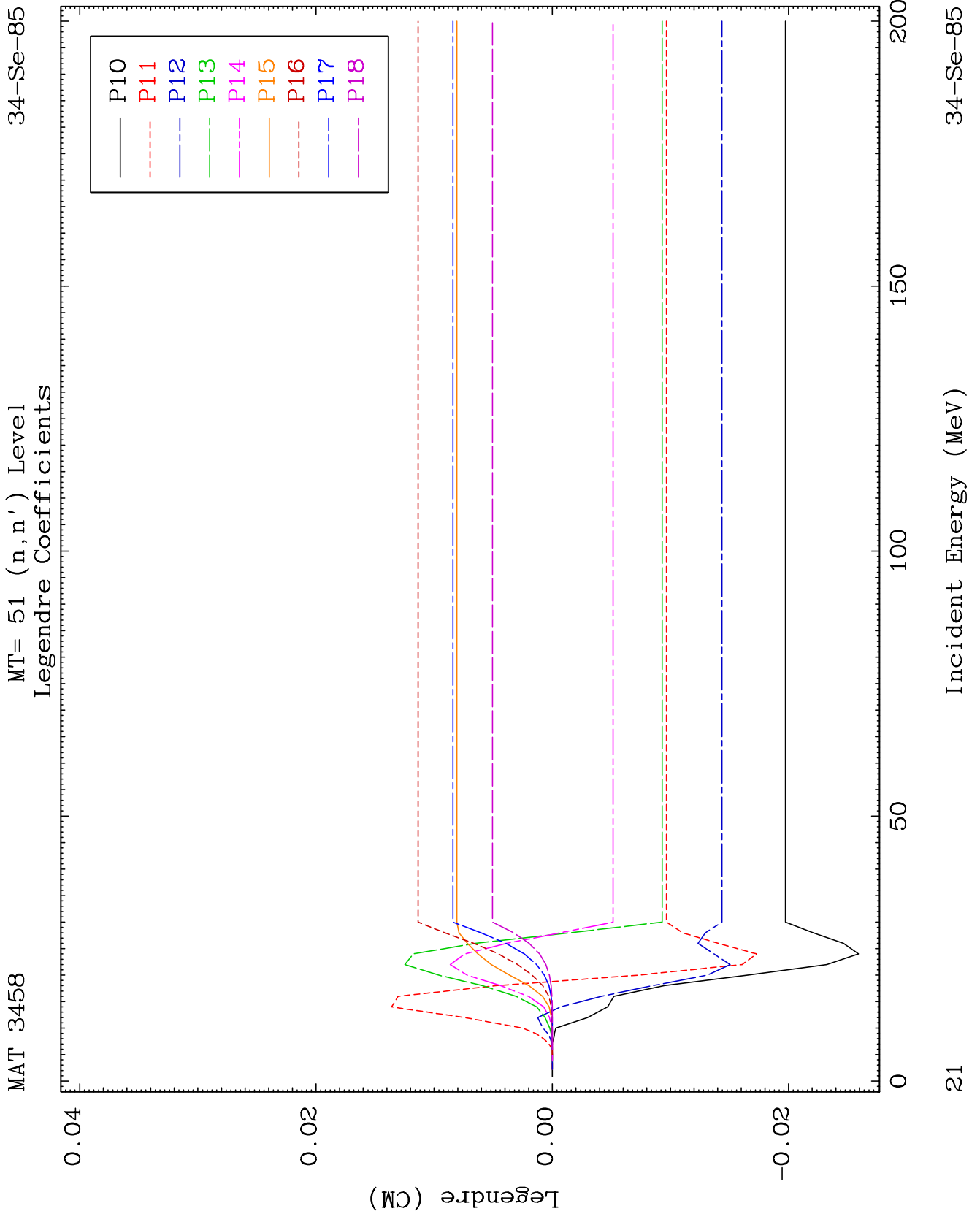


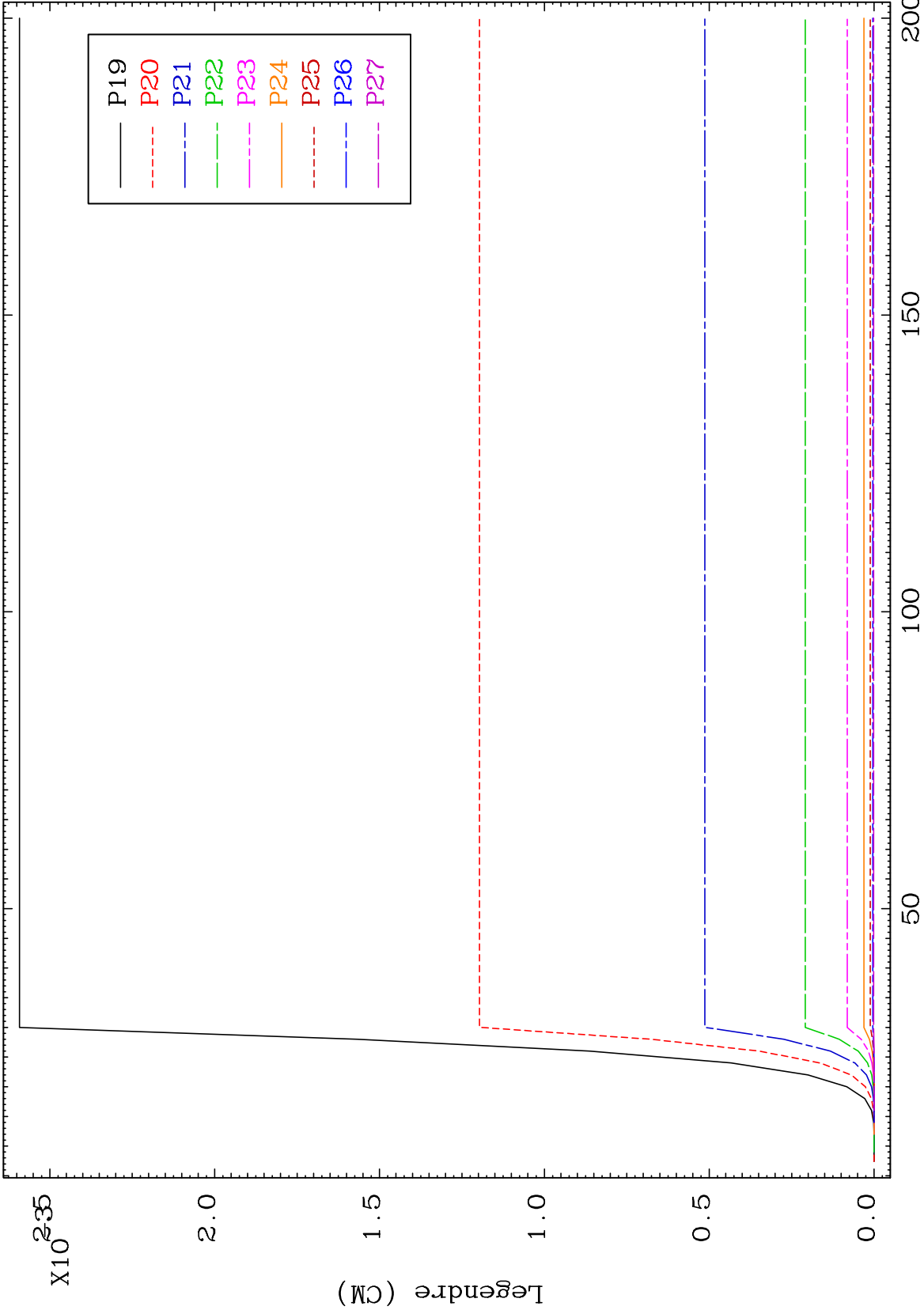
19

Incident Energy (MeV)

34-Se-85



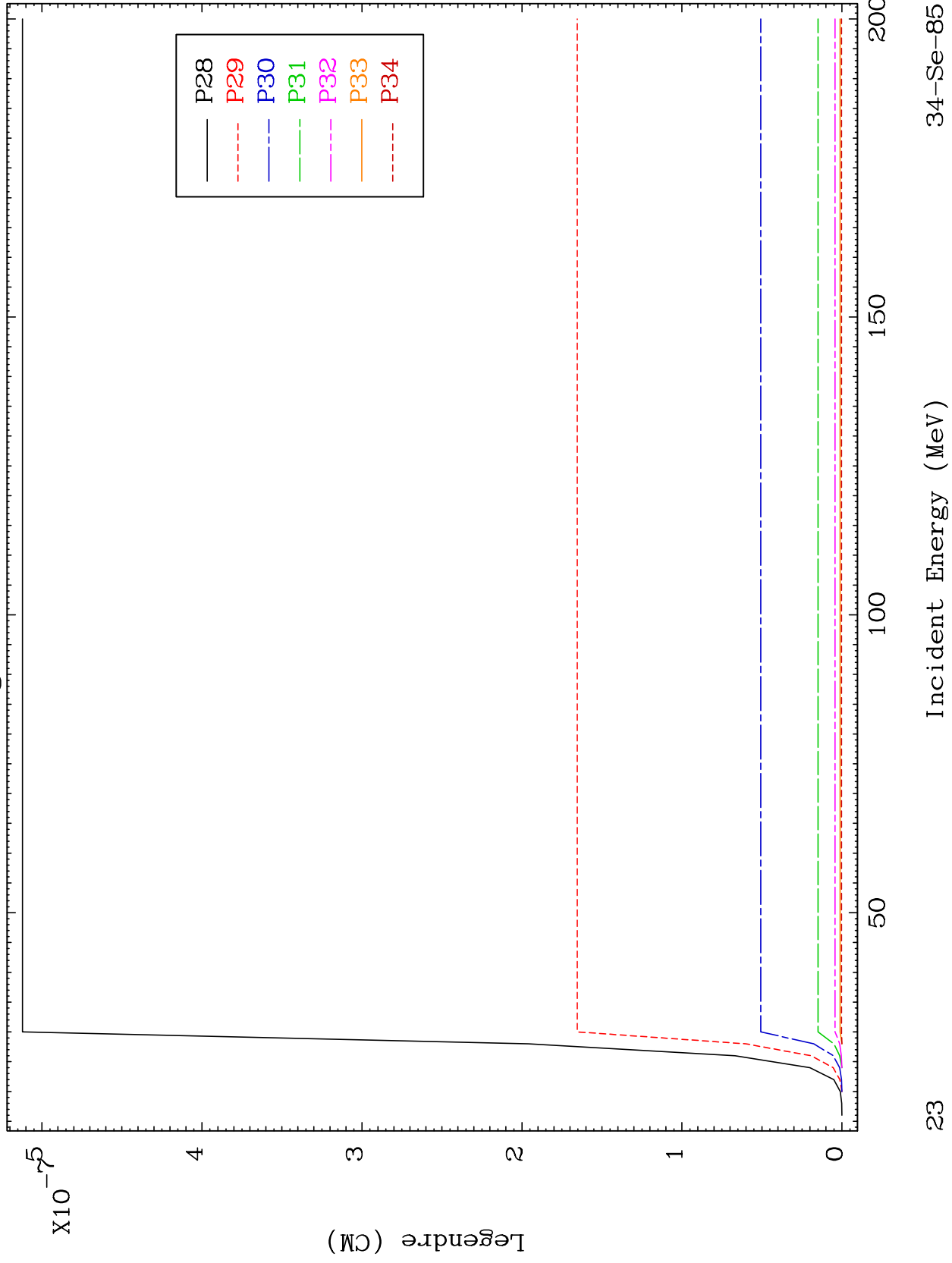




MAT 3458

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

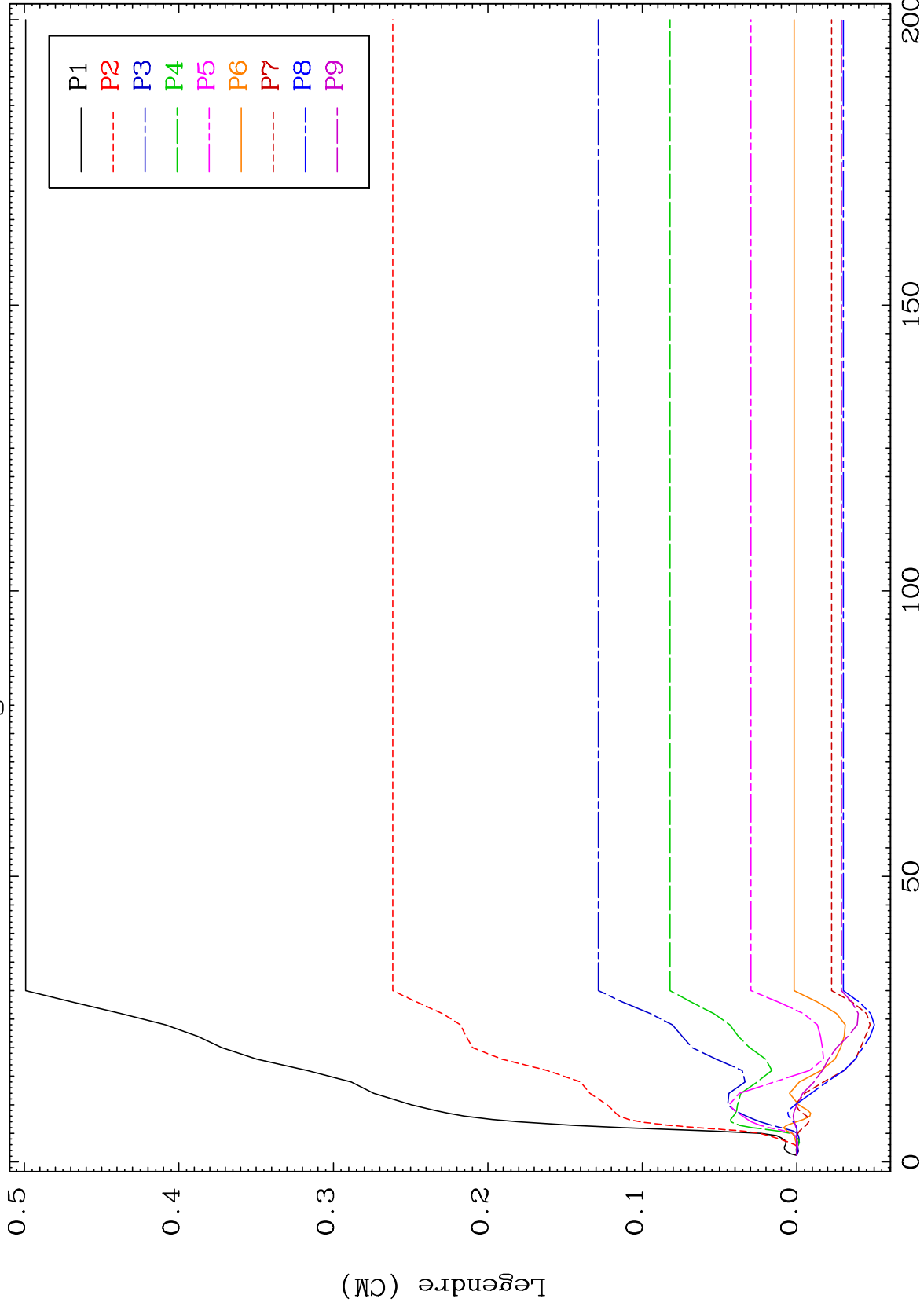
34-Se-85



MAT 3458

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

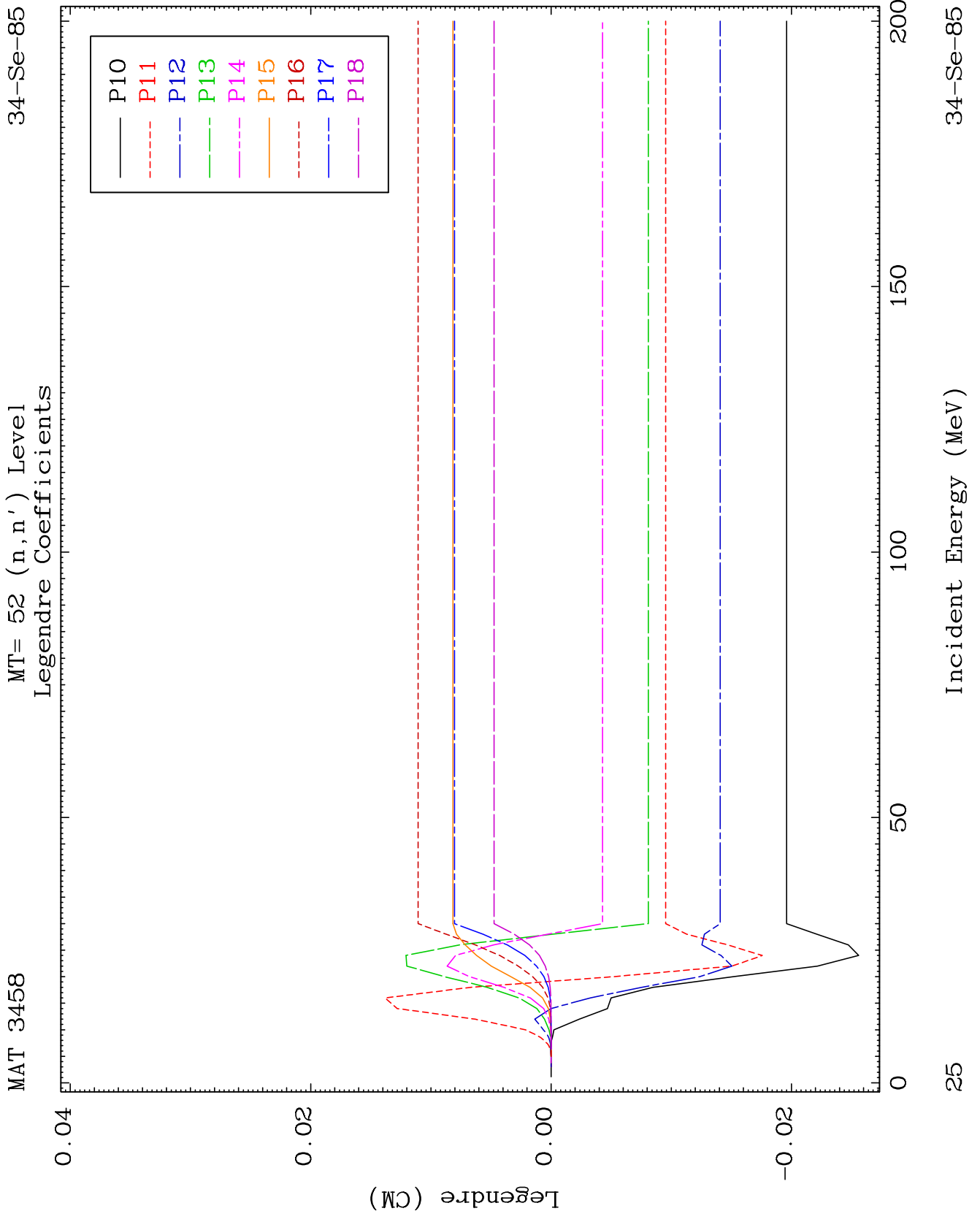
<sup>34</sup>Se-85



24

Incident Energy (MeV)

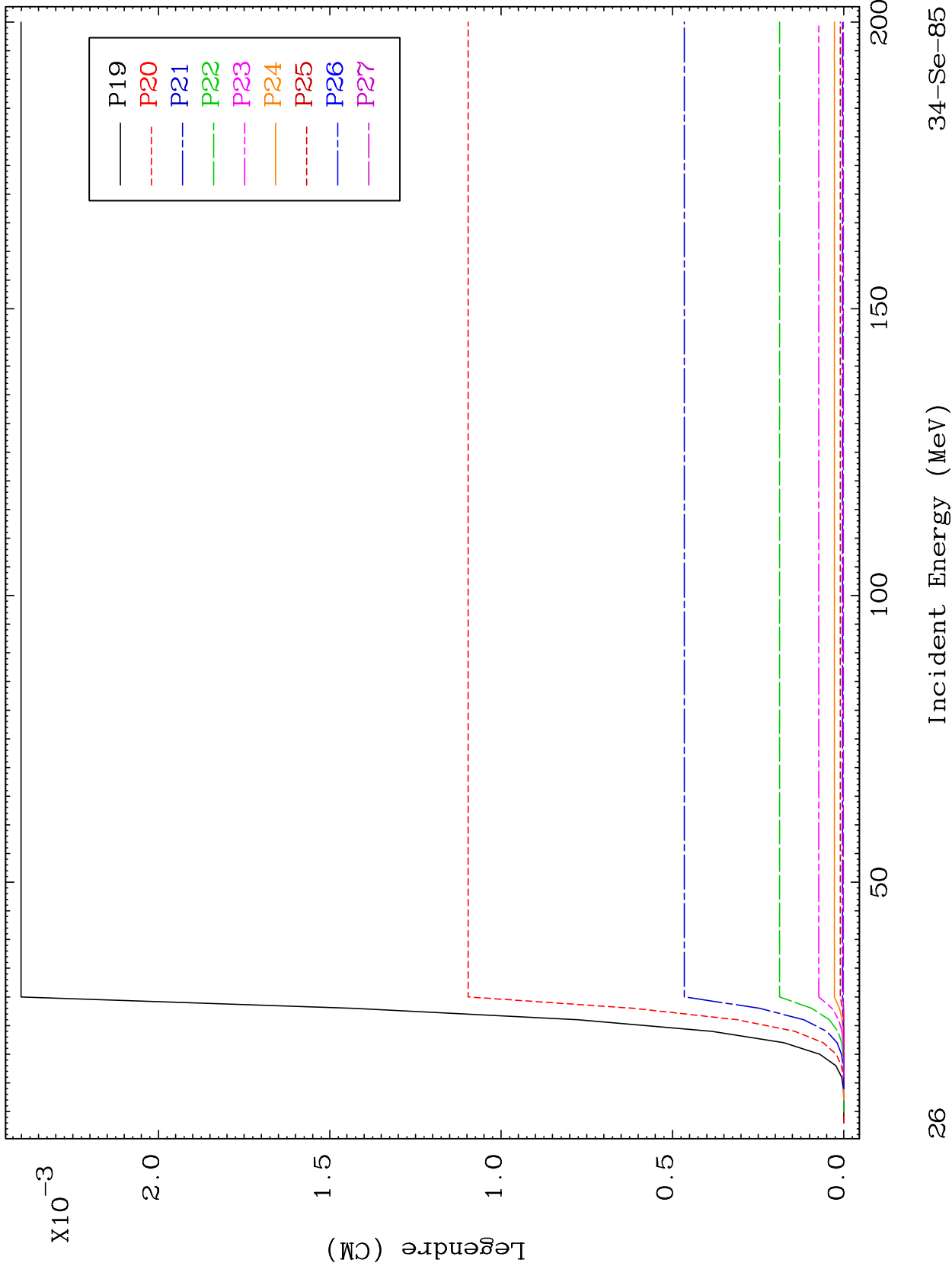
<sup>34</sup>Se-85



MAT 3458

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

34-Se-85



26

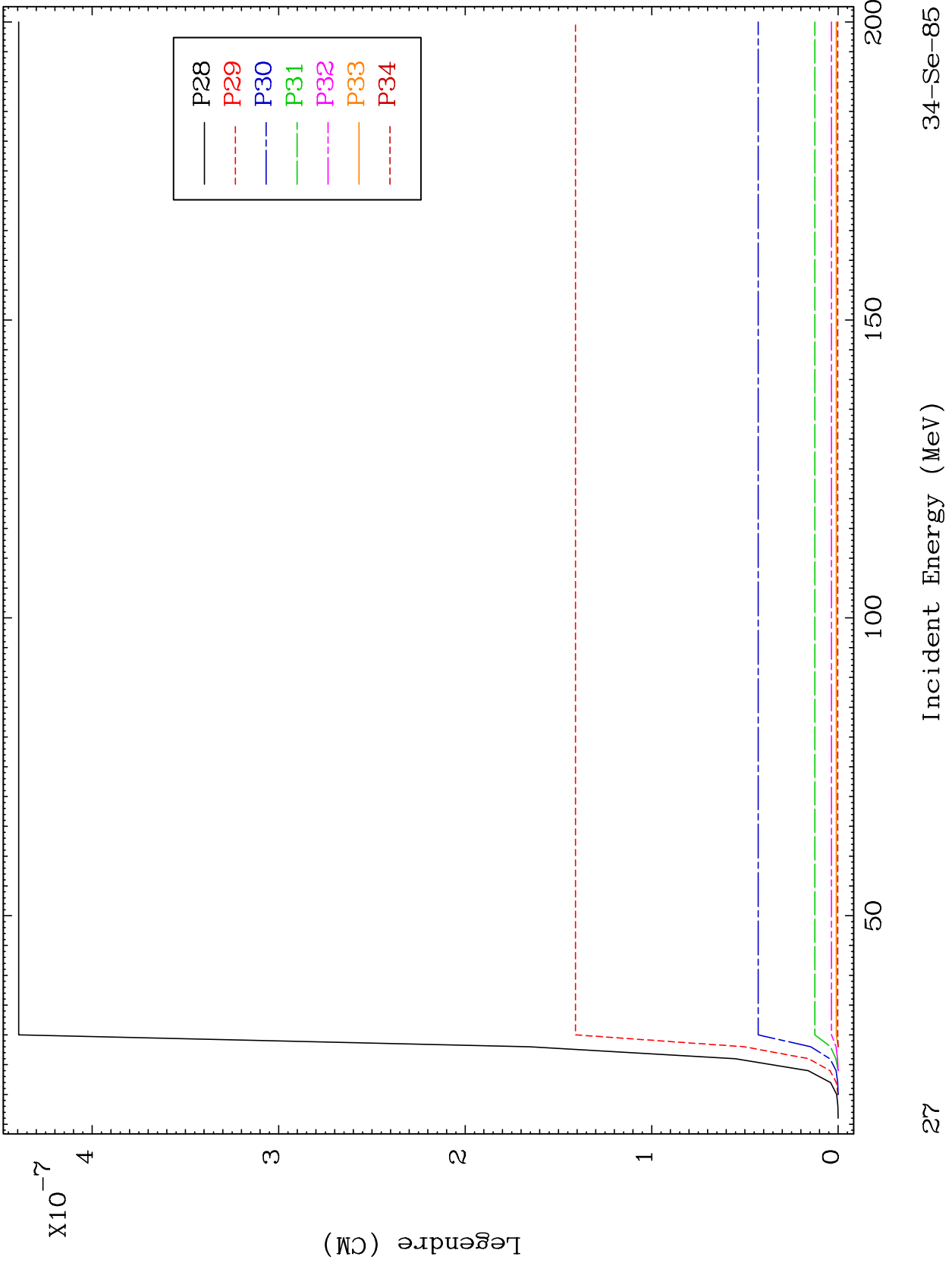
Incident Energy (MeV)

34-Se-85

MAT 3458

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

34-Se-85



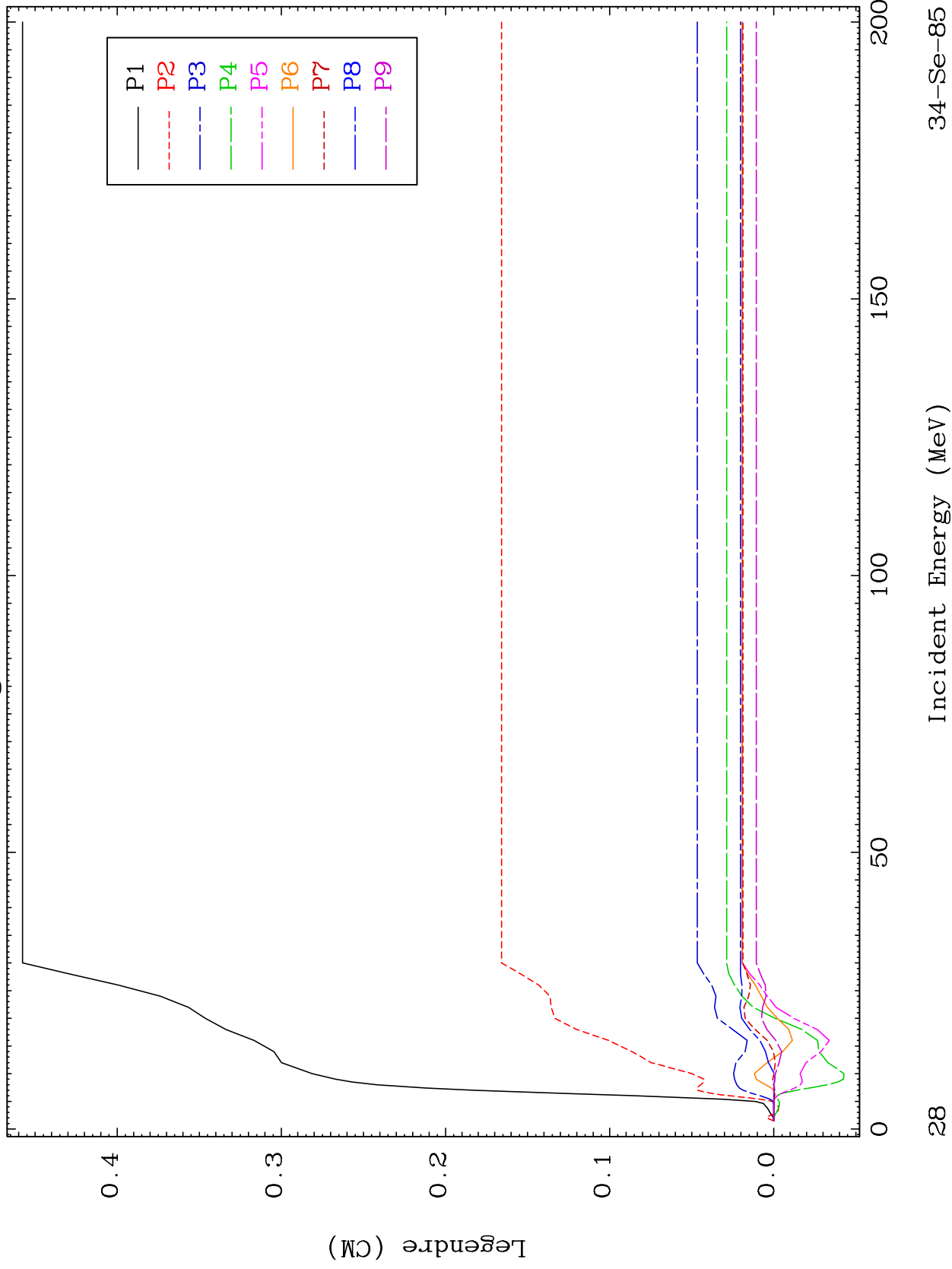
27

34-Se-85

MAT 3458

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

34-Se-85



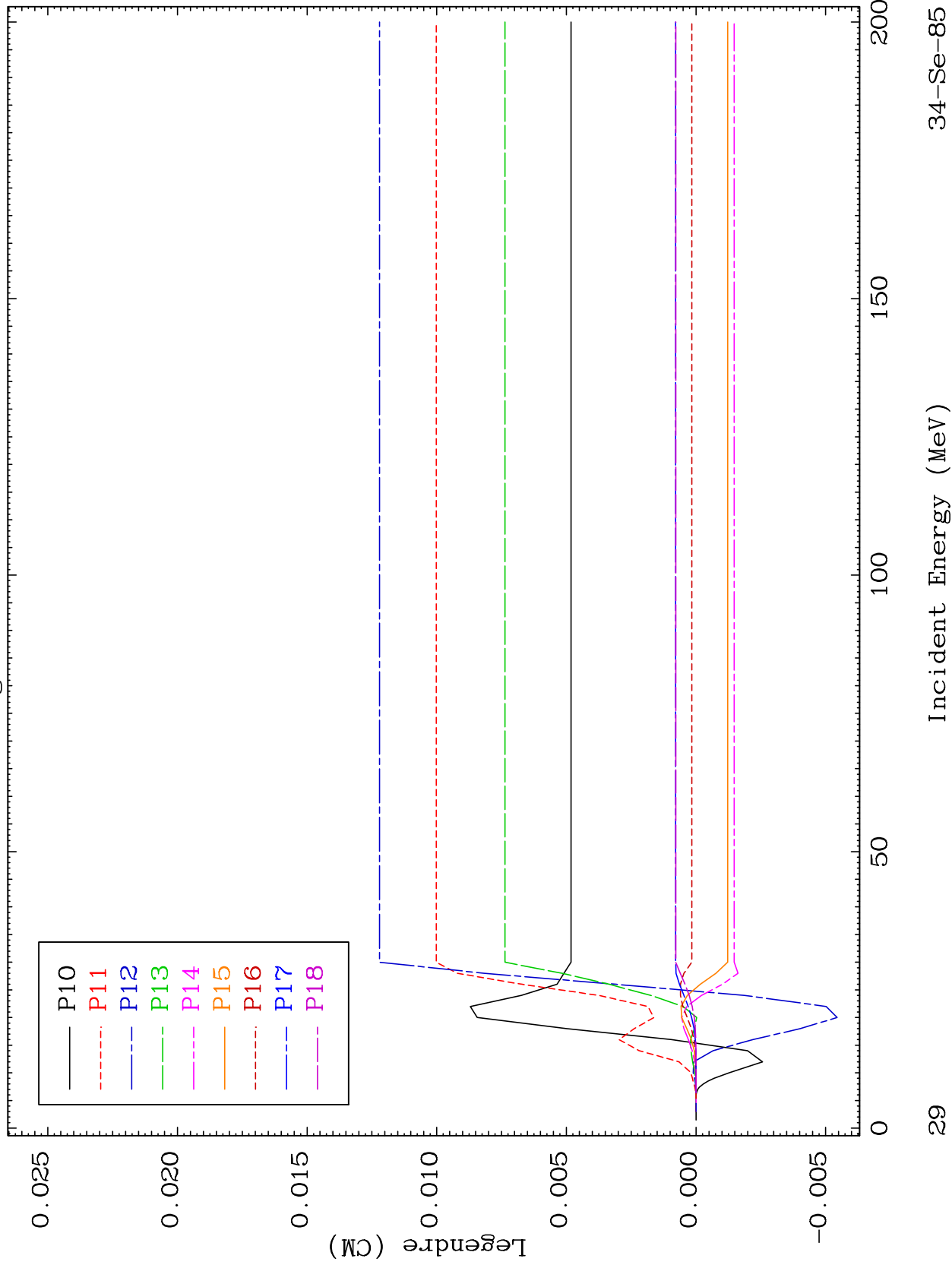
28

34-Se-85

MAT 3458

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

34-Se-85



29

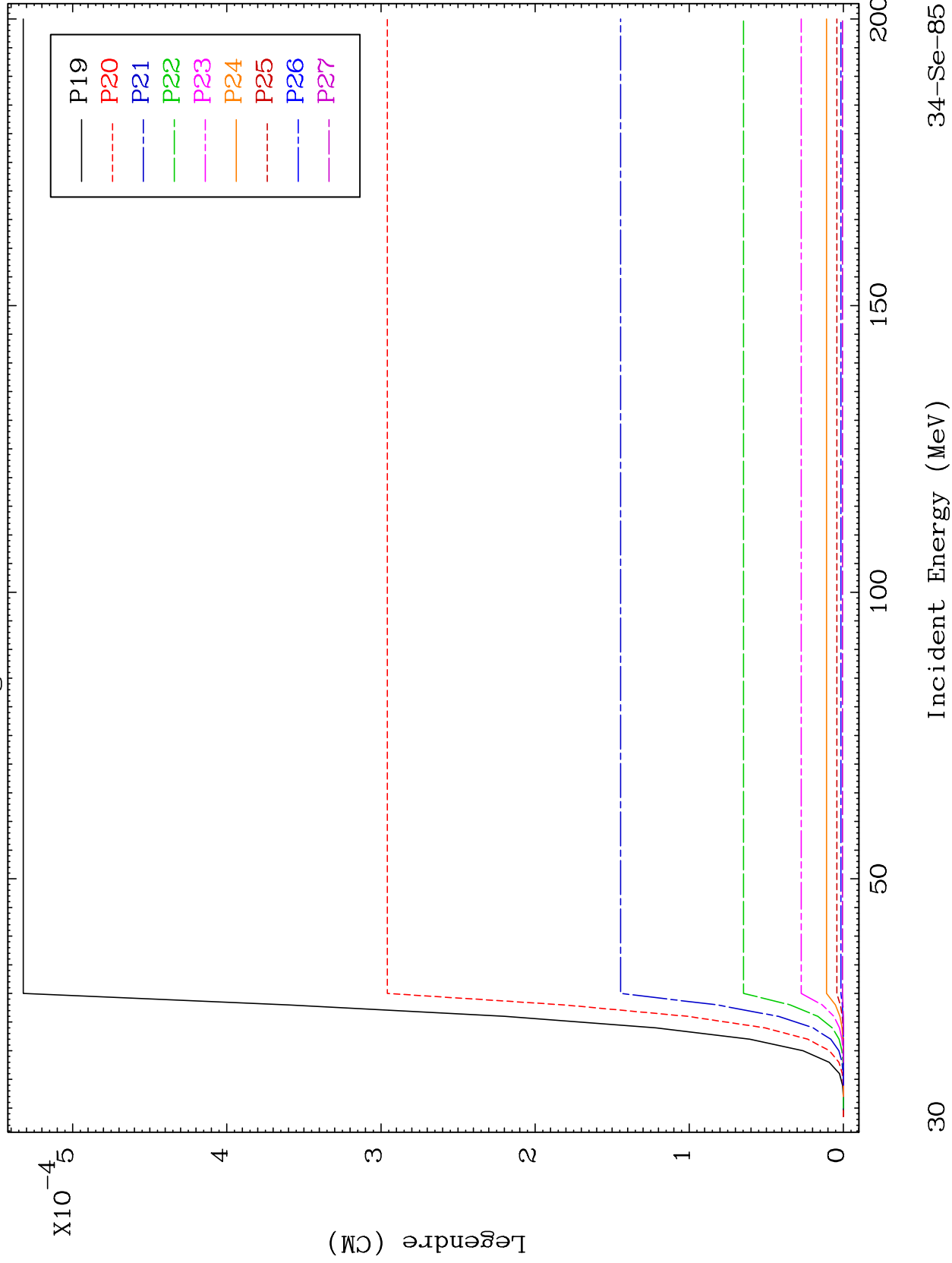
Incident Energy (MeV)

34-Se-85

MAT 3458

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

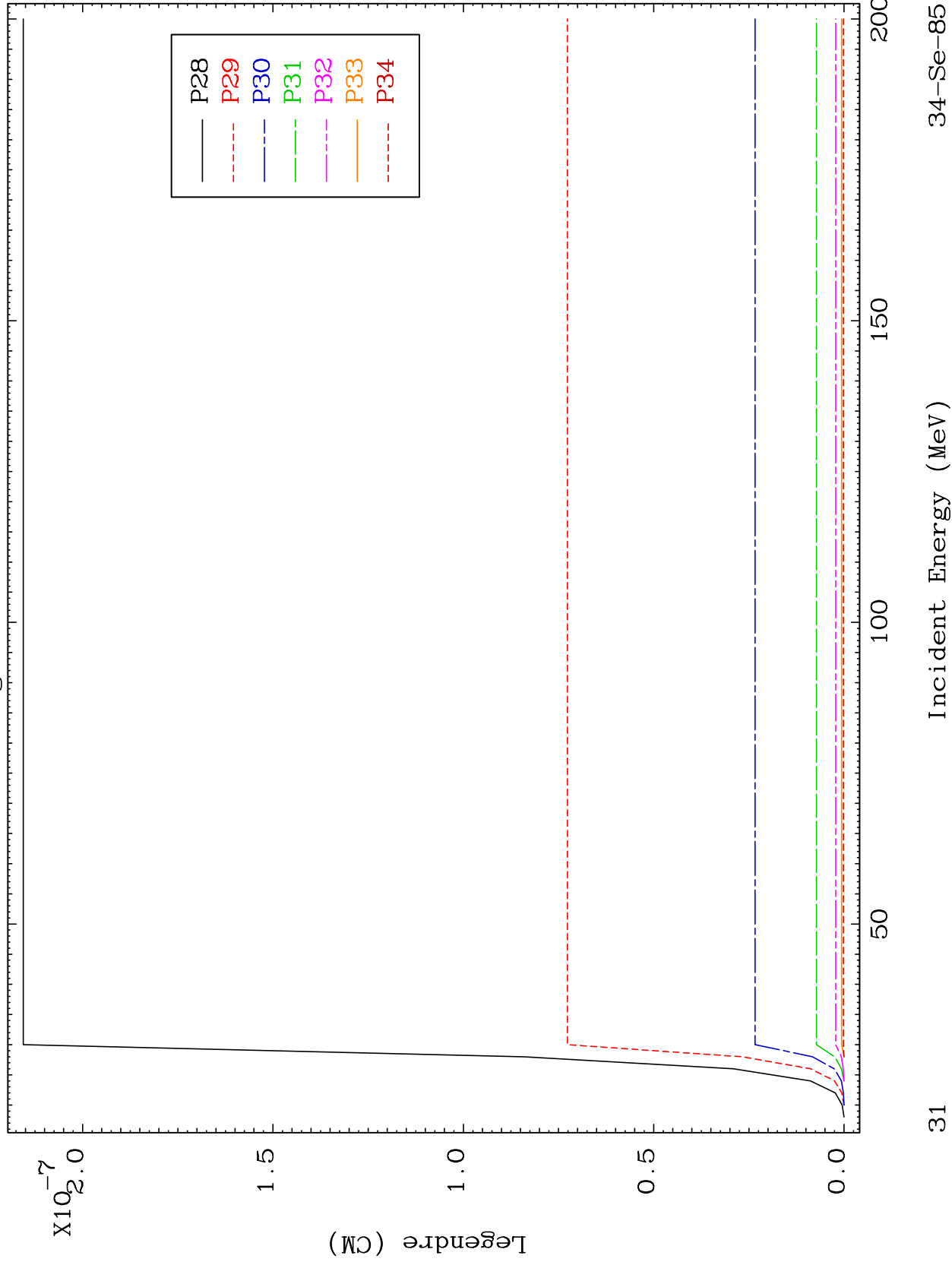
<sup>34</sup>Se-85



MAT 3458

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

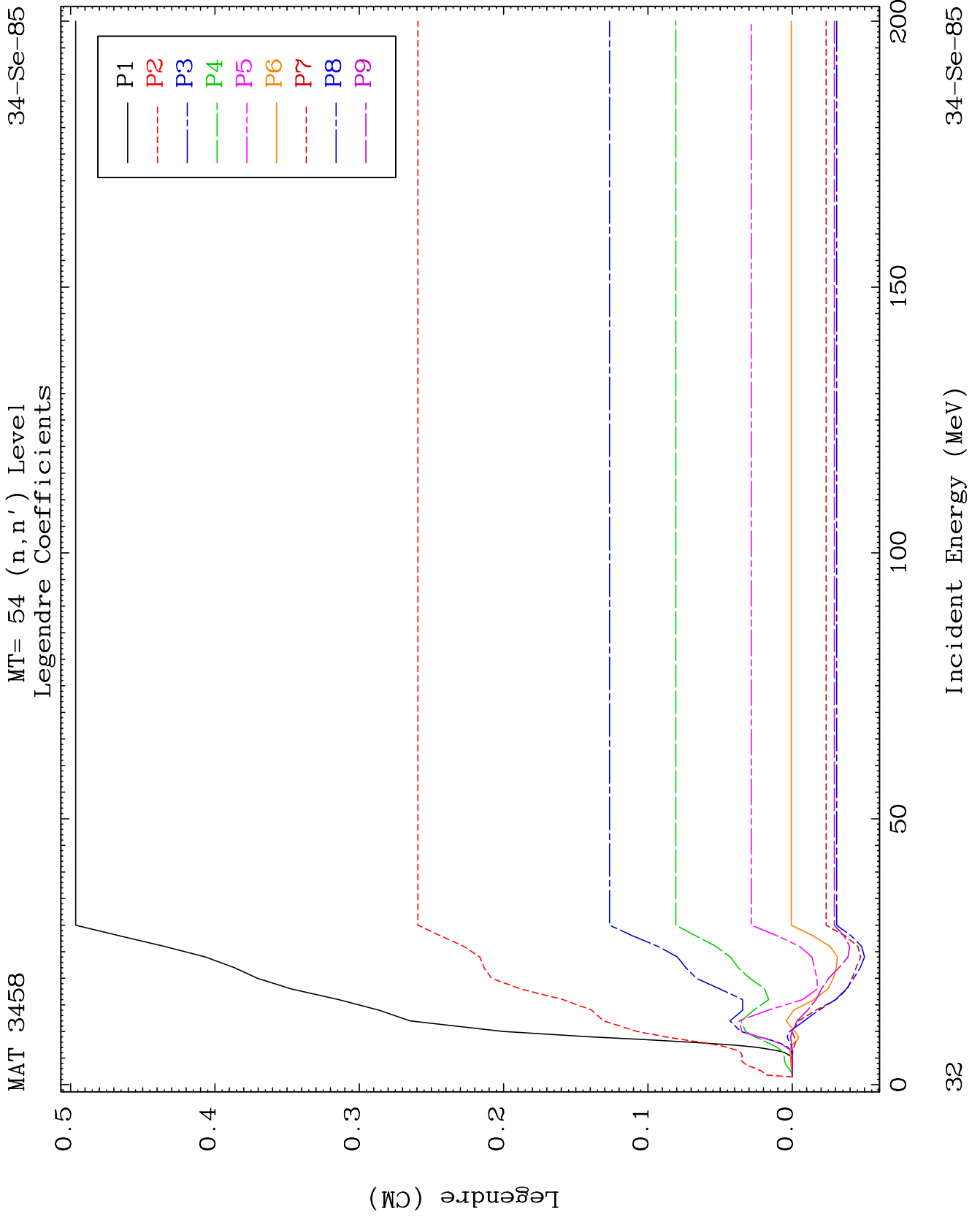
34-Se-85



31

Incident Energy (MeV)

34-Se-85

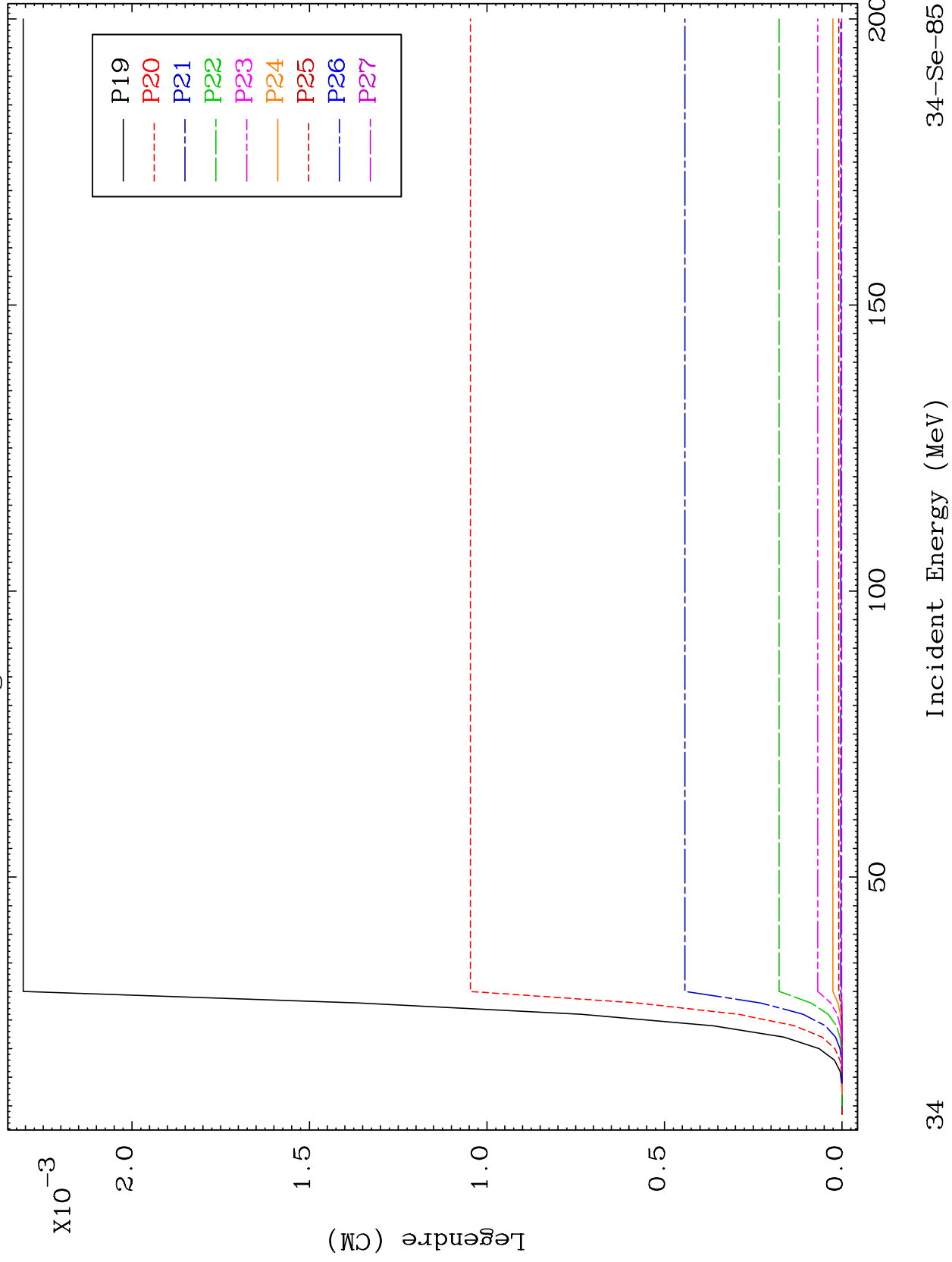




MAT 3458

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

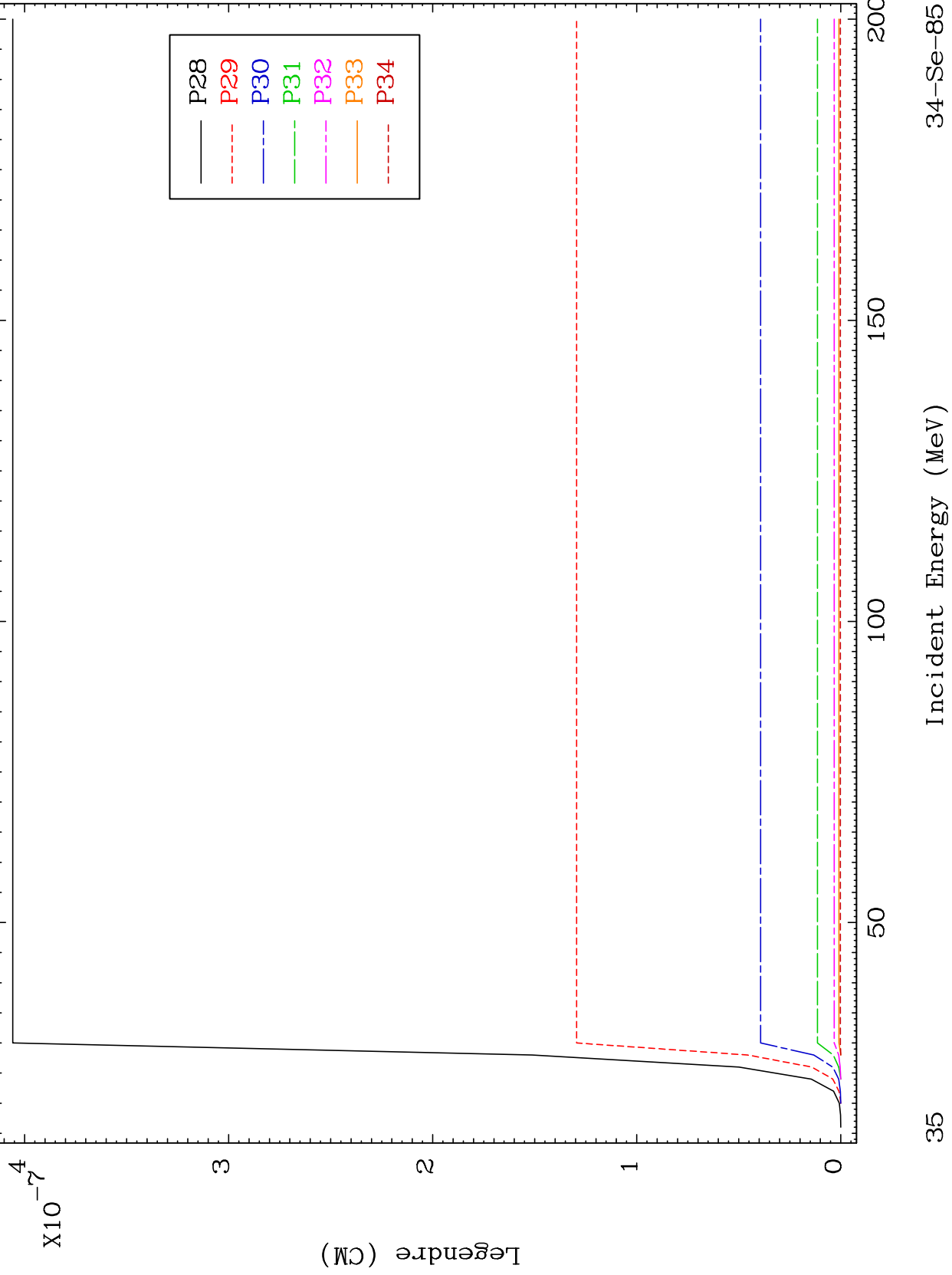
34-Se-85

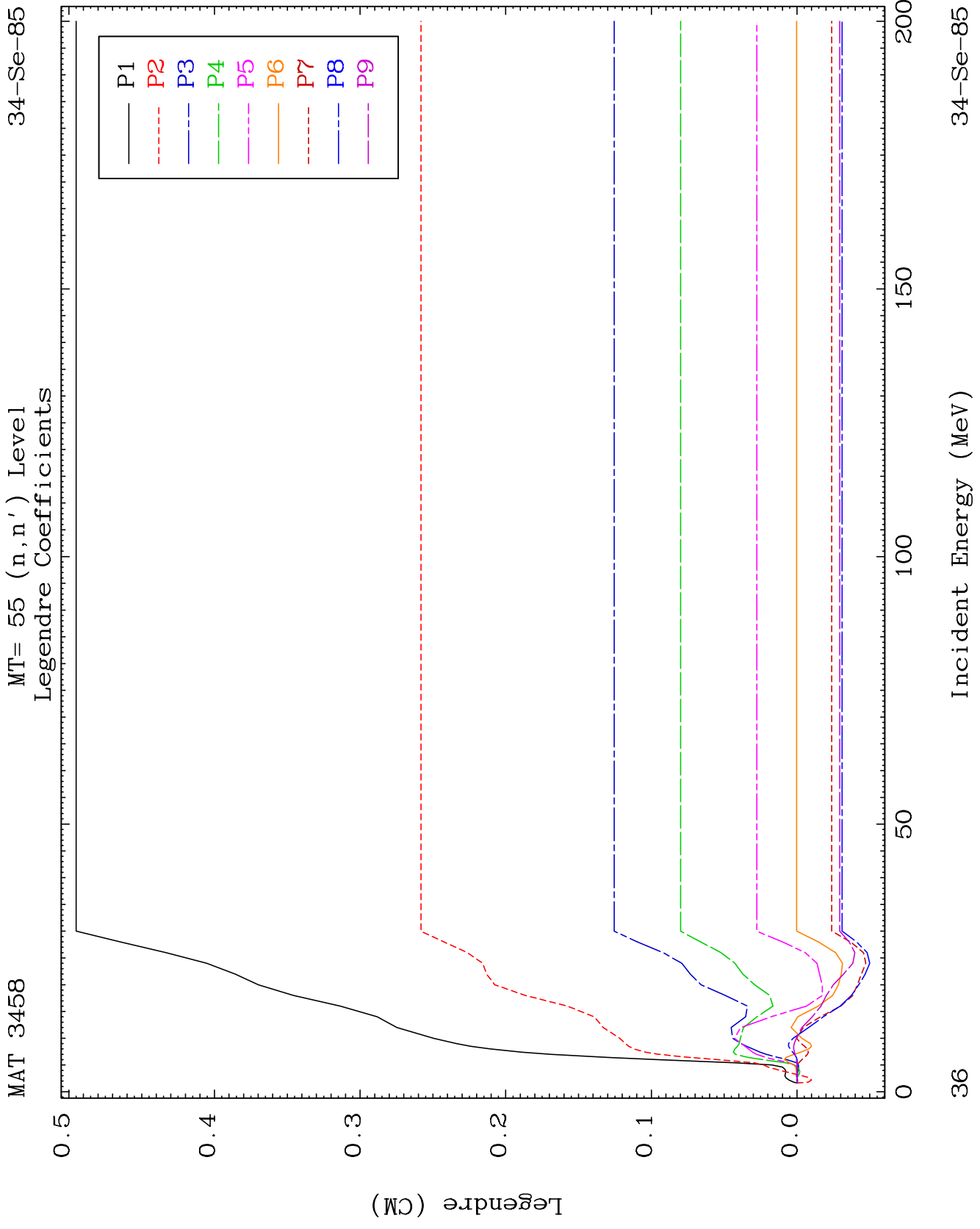


MAT 3458

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

34-Se-85

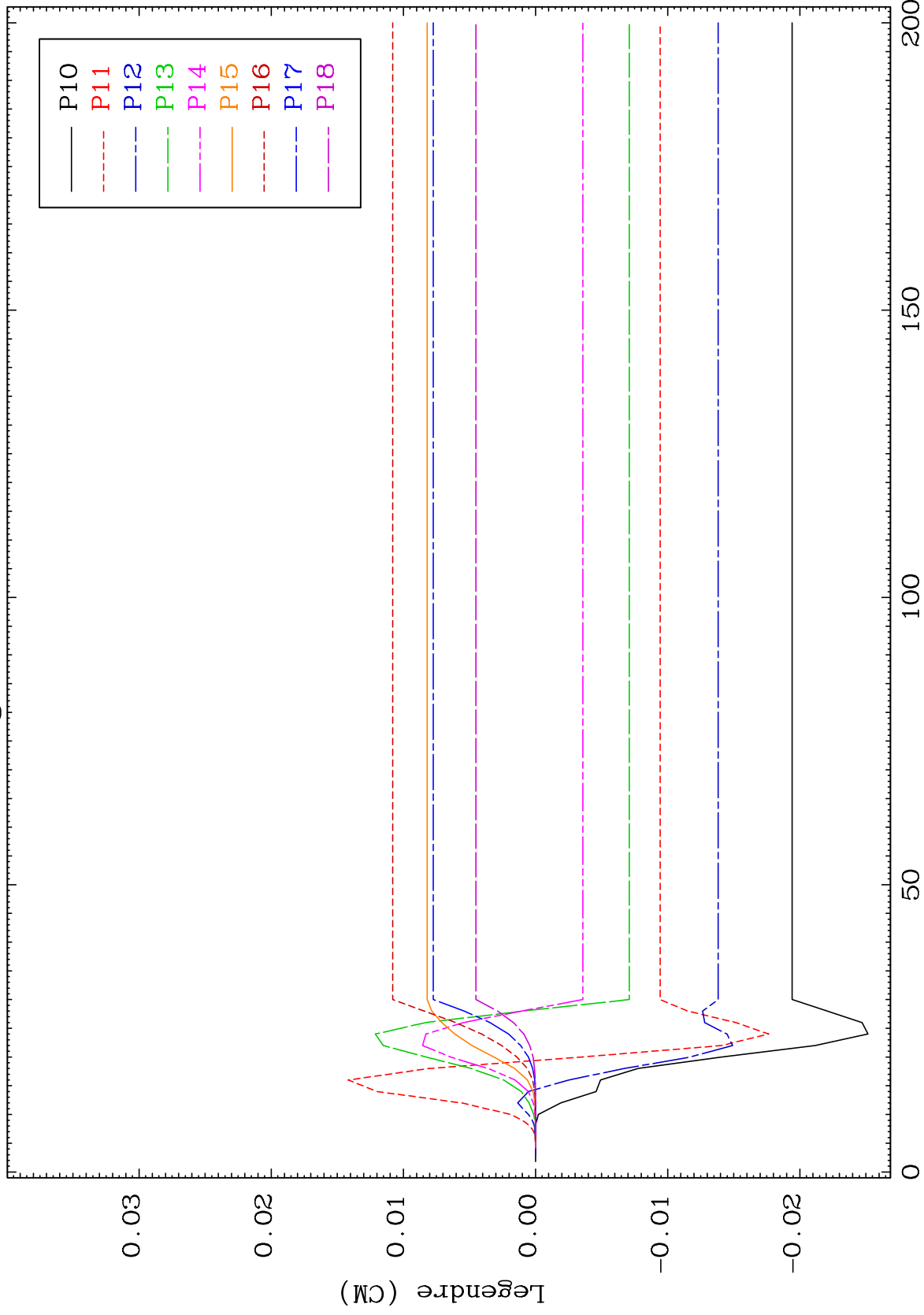




MAT 3458

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

34-Se-85



37

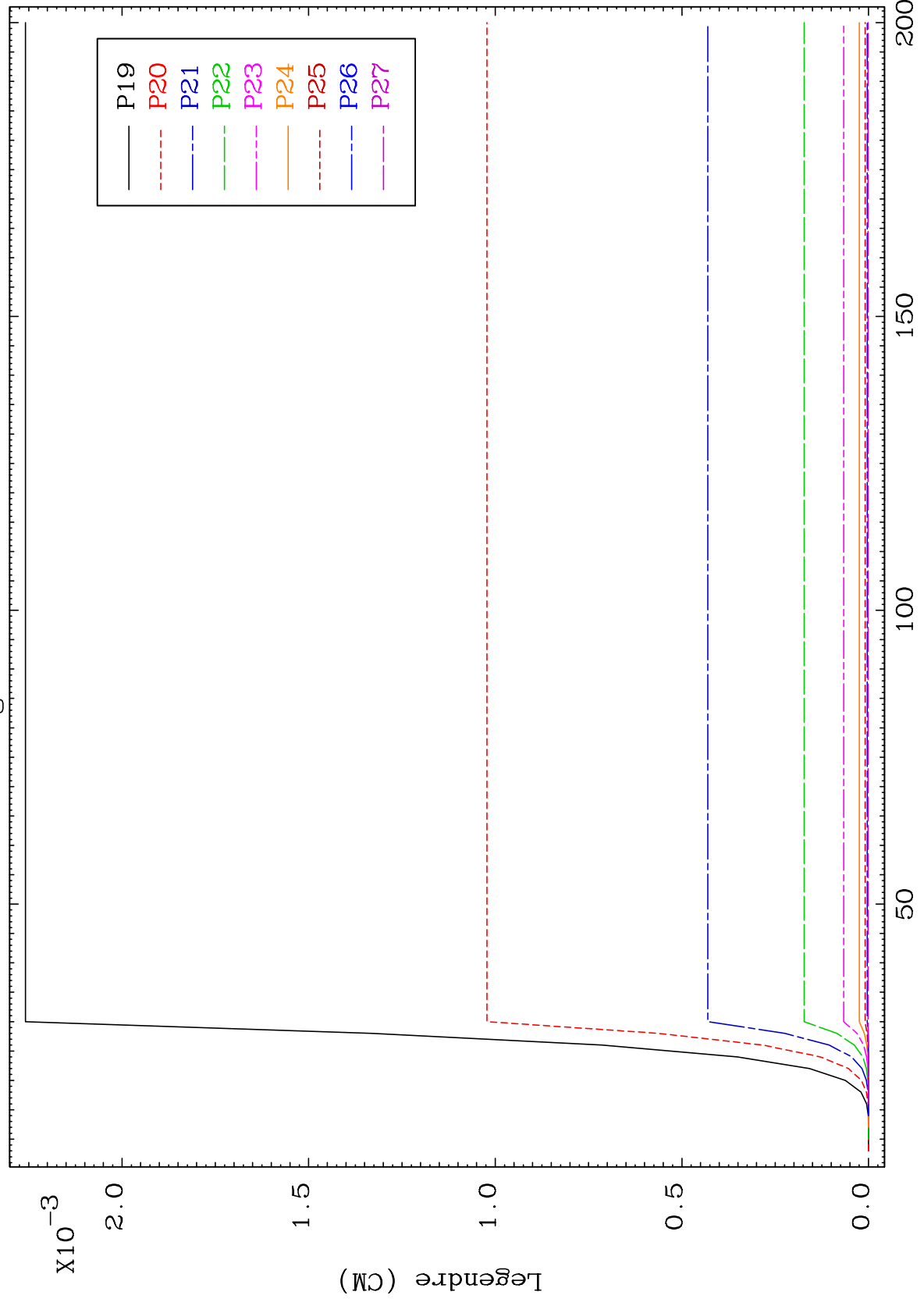
Incident Energy (MeV)

34-Se-85

MAT 3458

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

34-Se-85



38

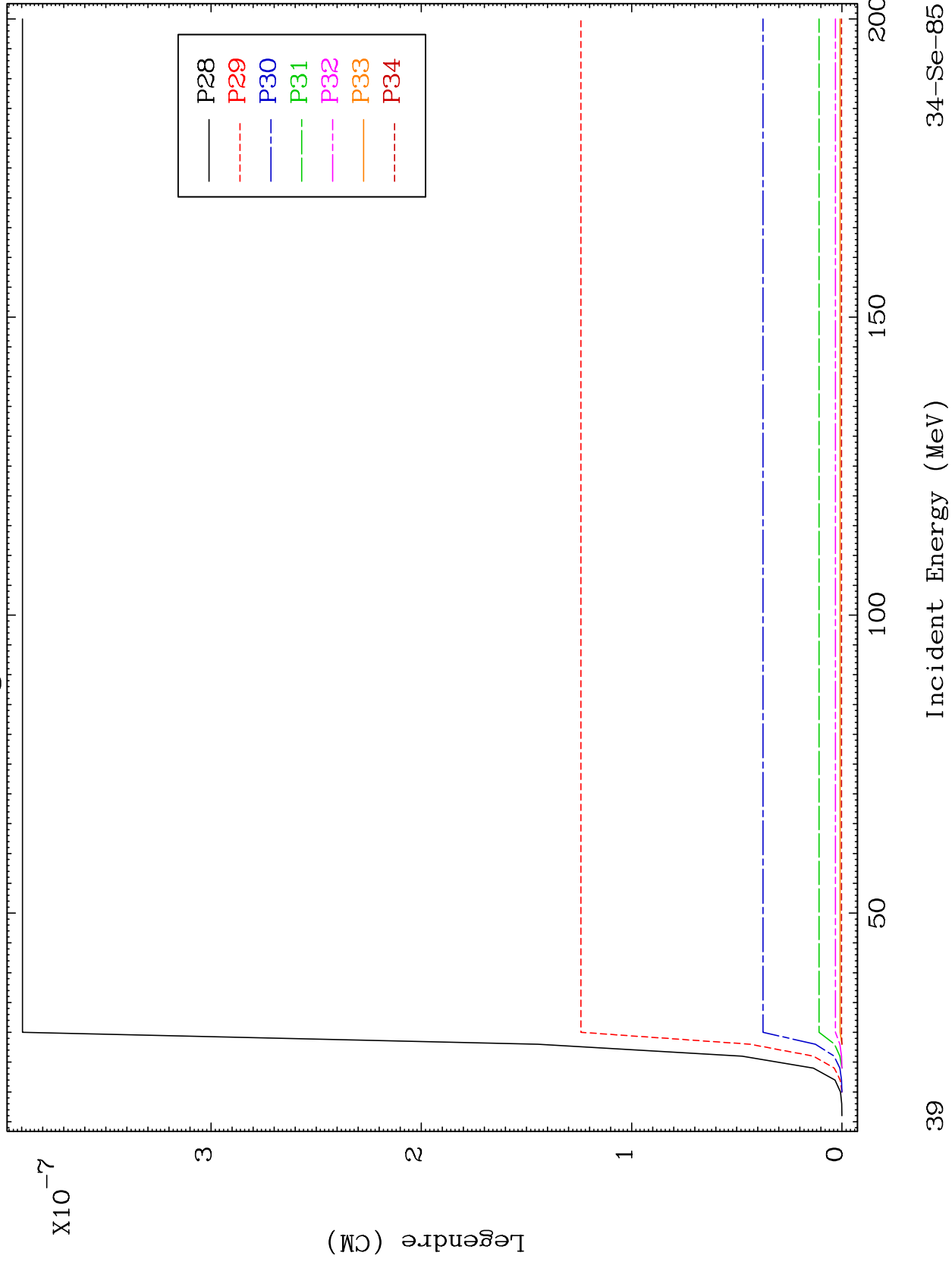
Incident Energy (MeV)

34-Se-85

MAT 3458

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

34-Se-85



39

Incident Energy (MeV)

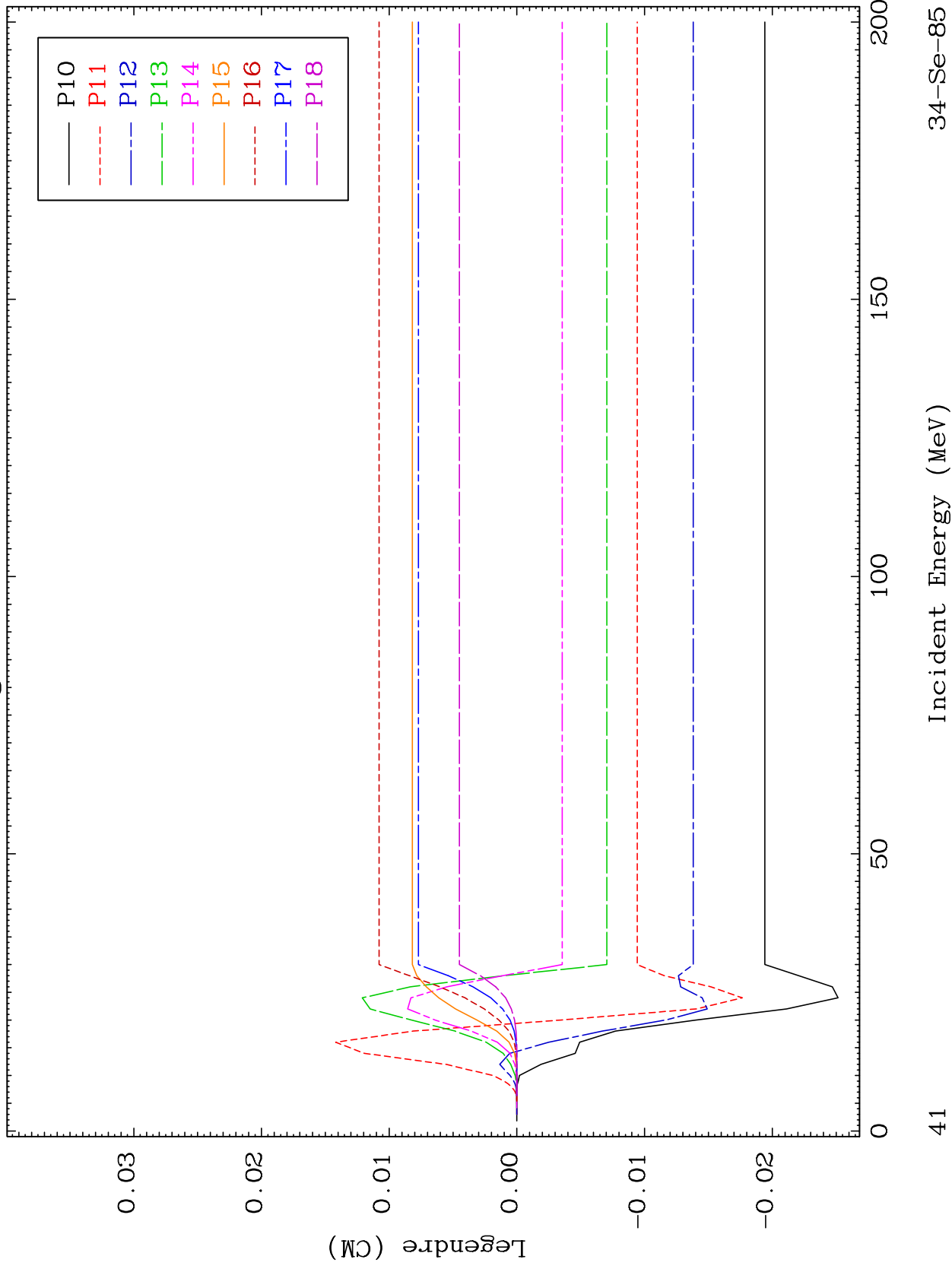
34-Se-85



MAT 3458

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

34-Se-85



41

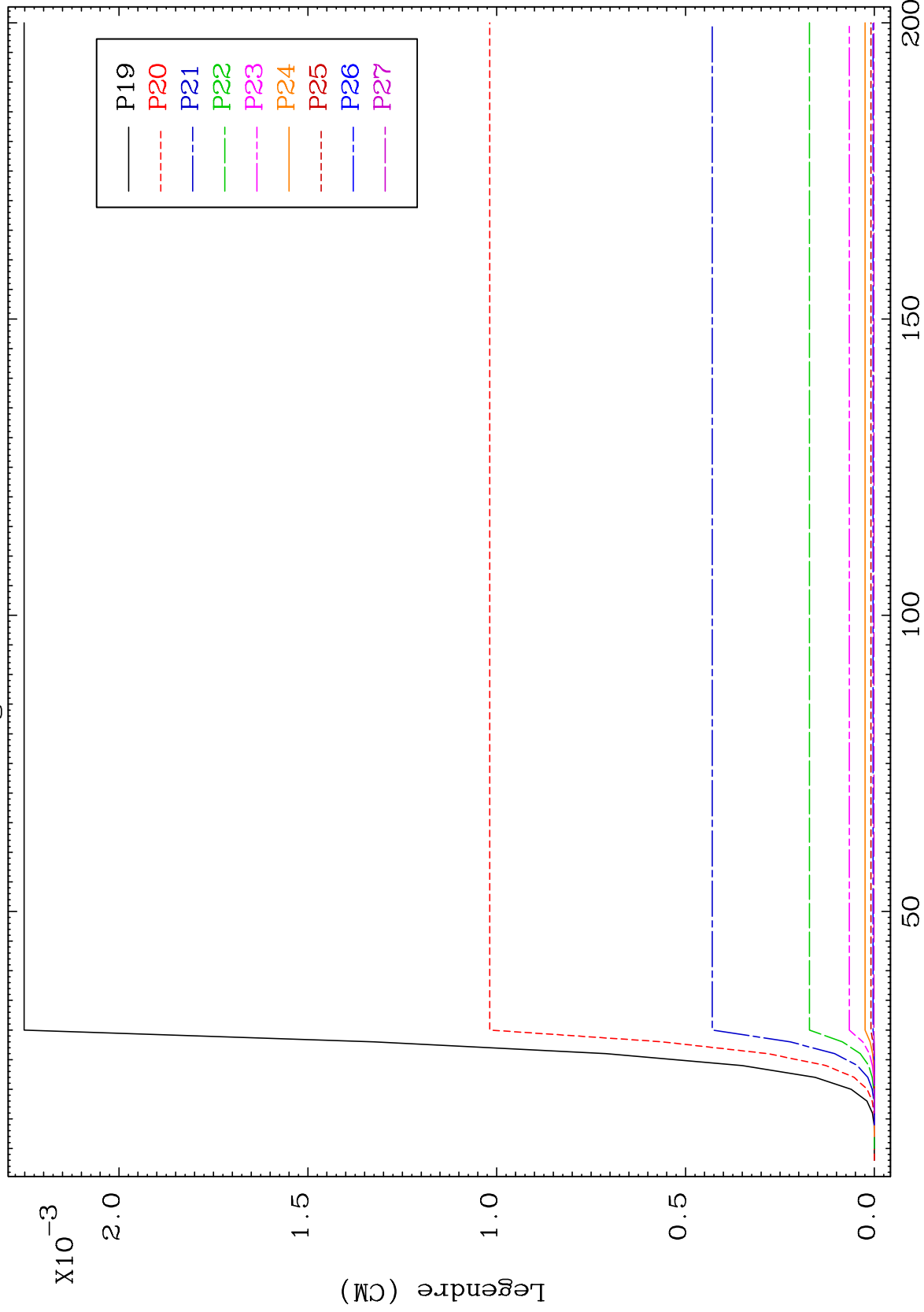
Incident Energy (MeV)

34-Se-85

MAT 3458

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

34-Se-85



42

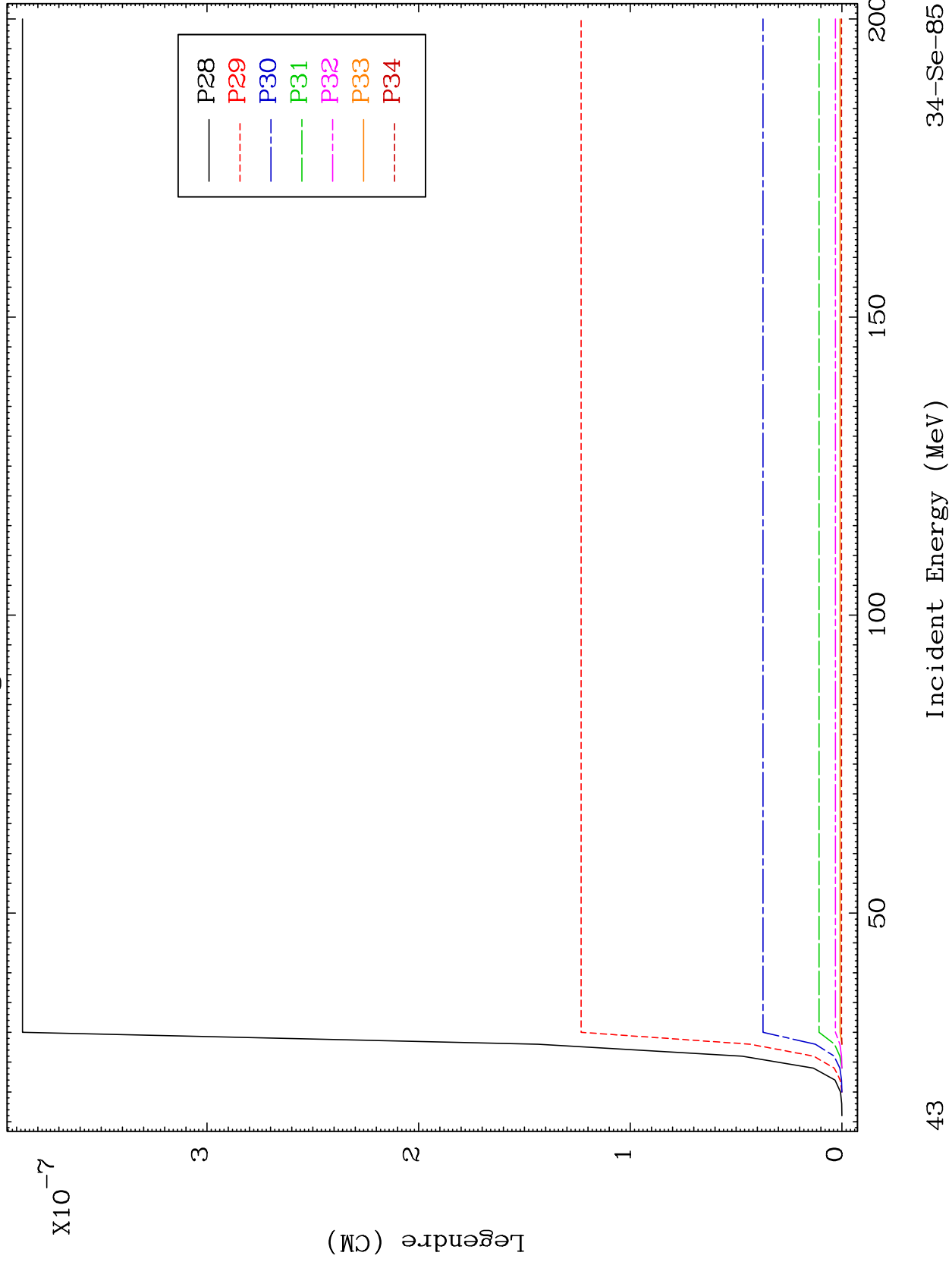
Incident Energy (MeV)

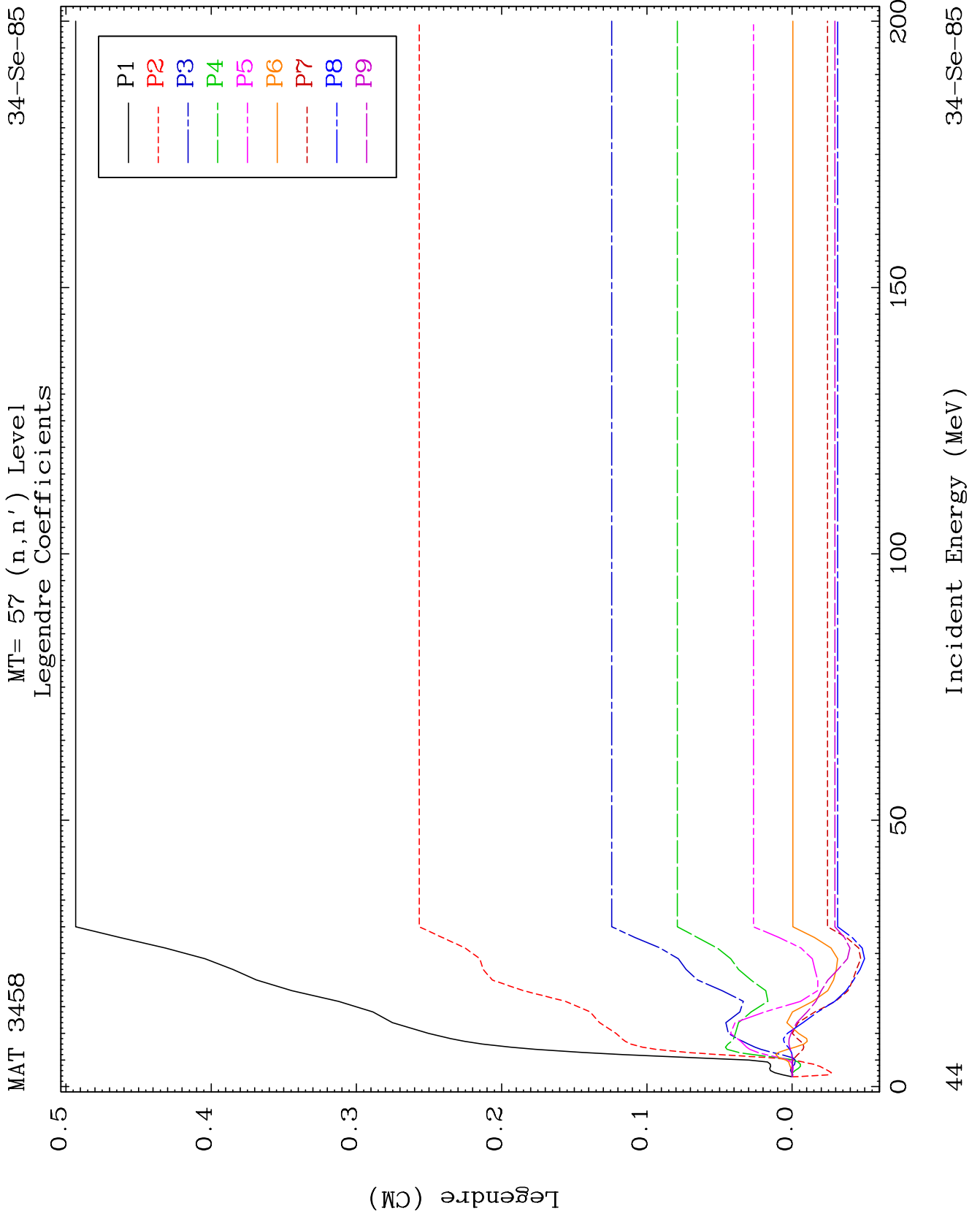
34-Se-85

MAT 3458

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

34-Se-85

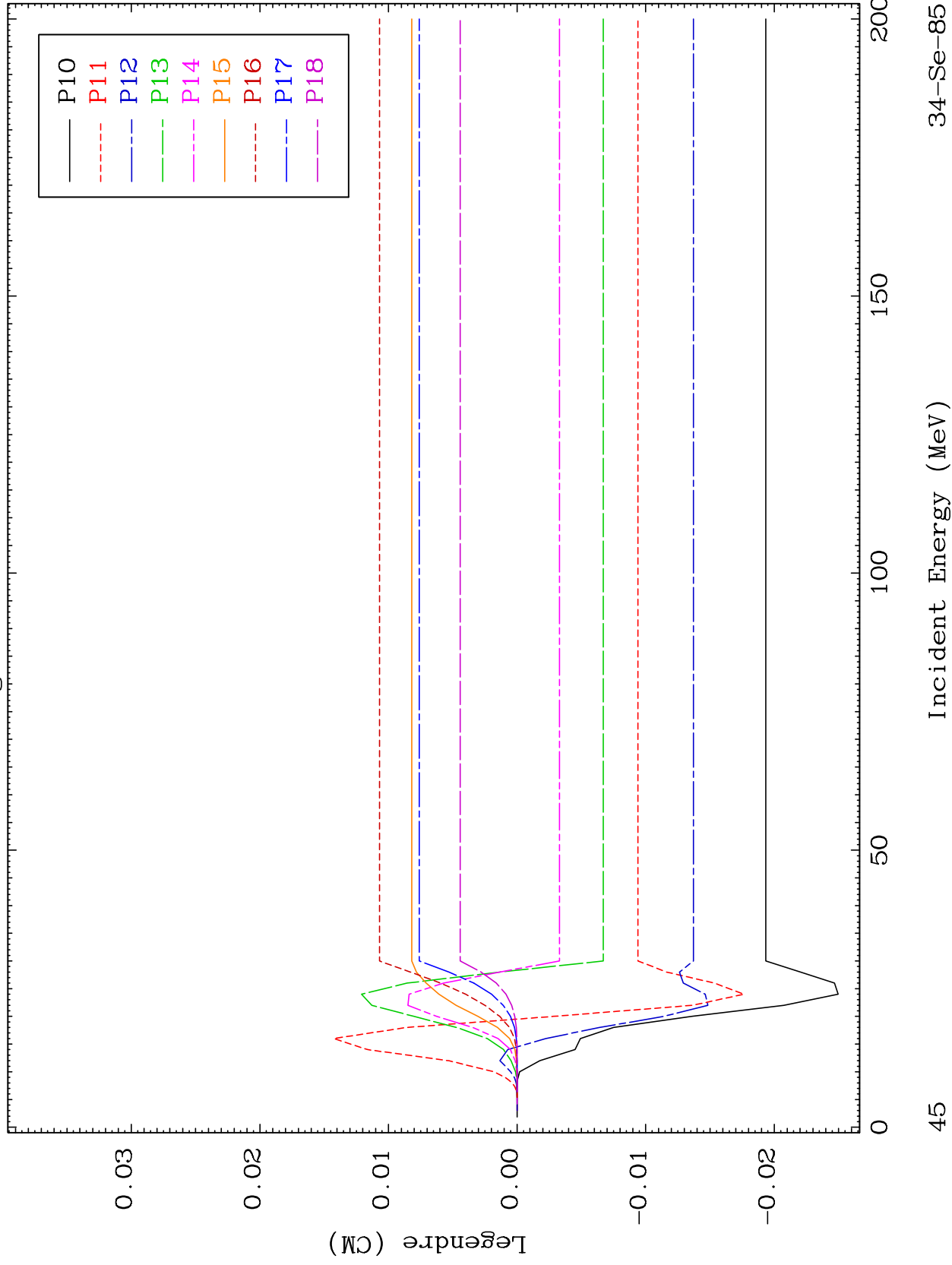




MAT 3458

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

34-Se-85



34-Se-85

Incident Energy (MeV)

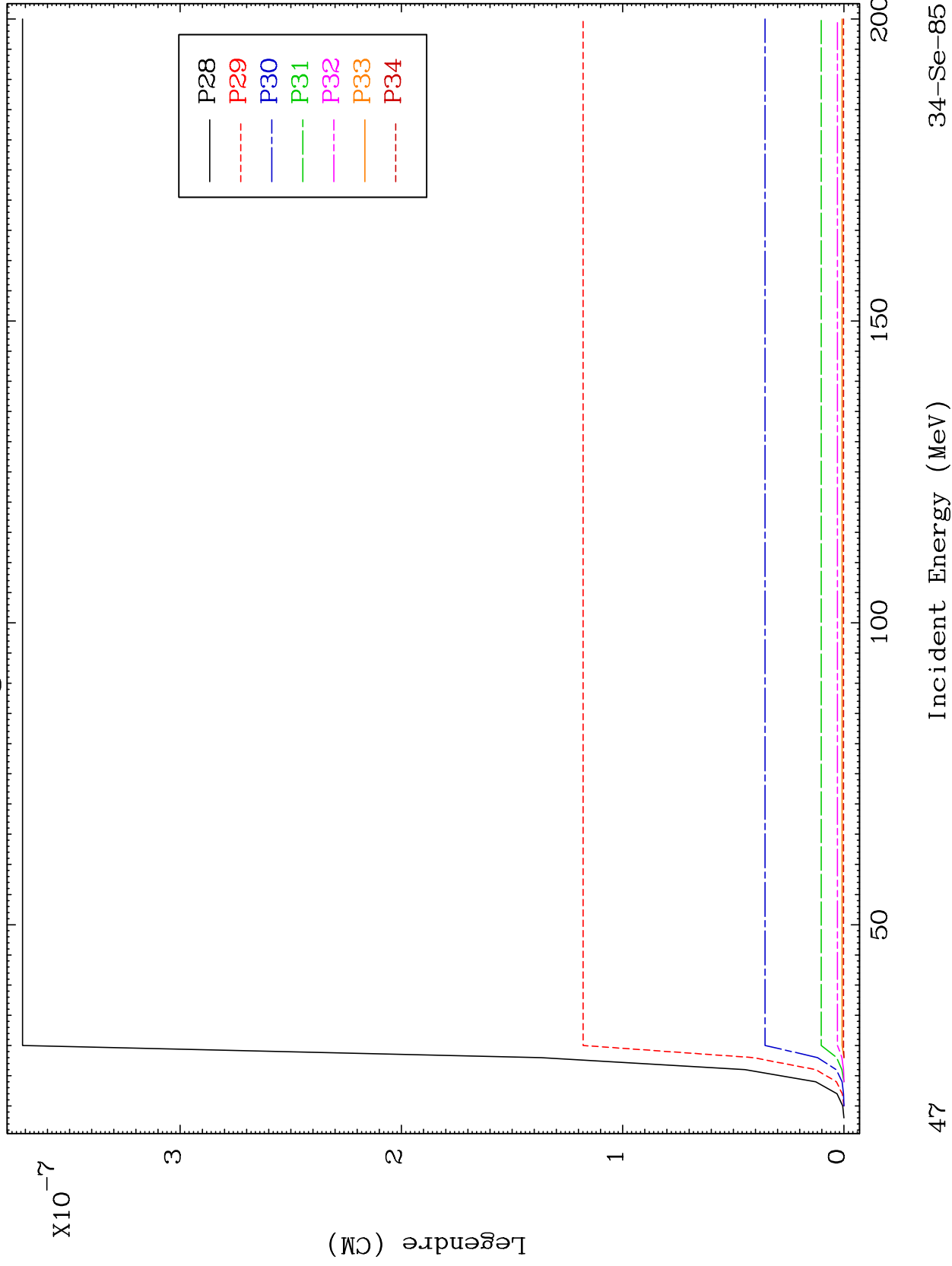
45



MAT 3458

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

34-Se-85

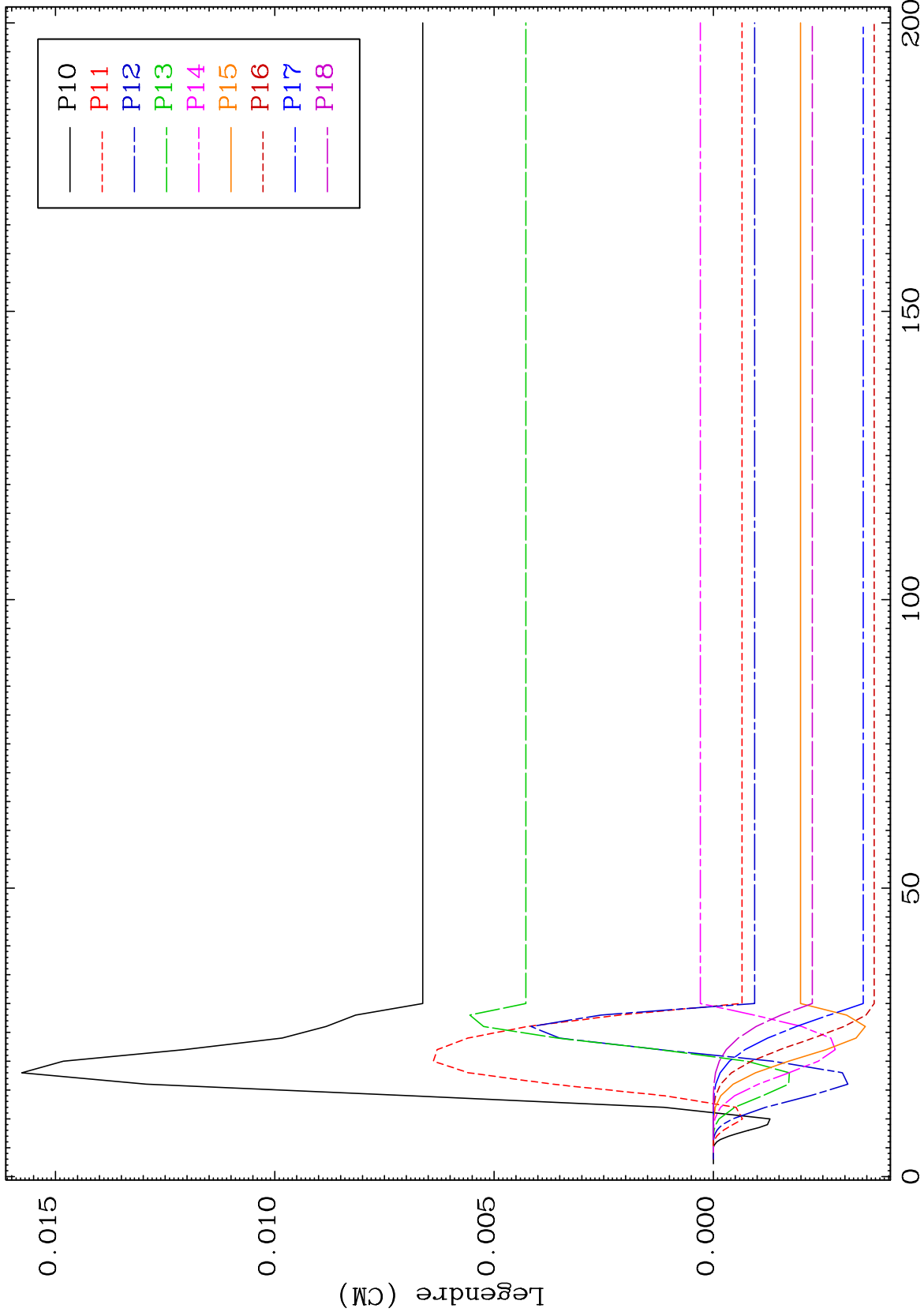




MAT 3458

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

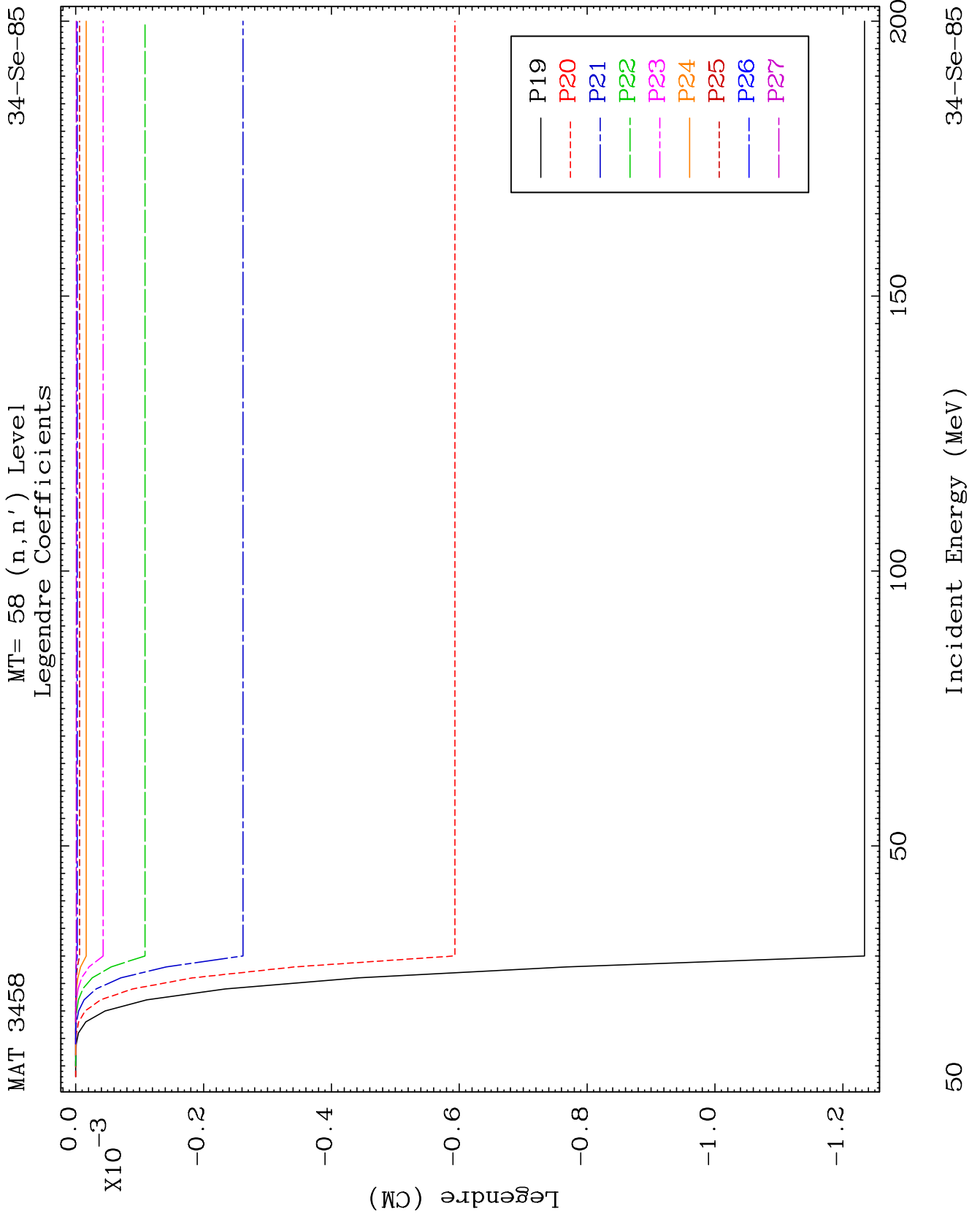
34-Se-85

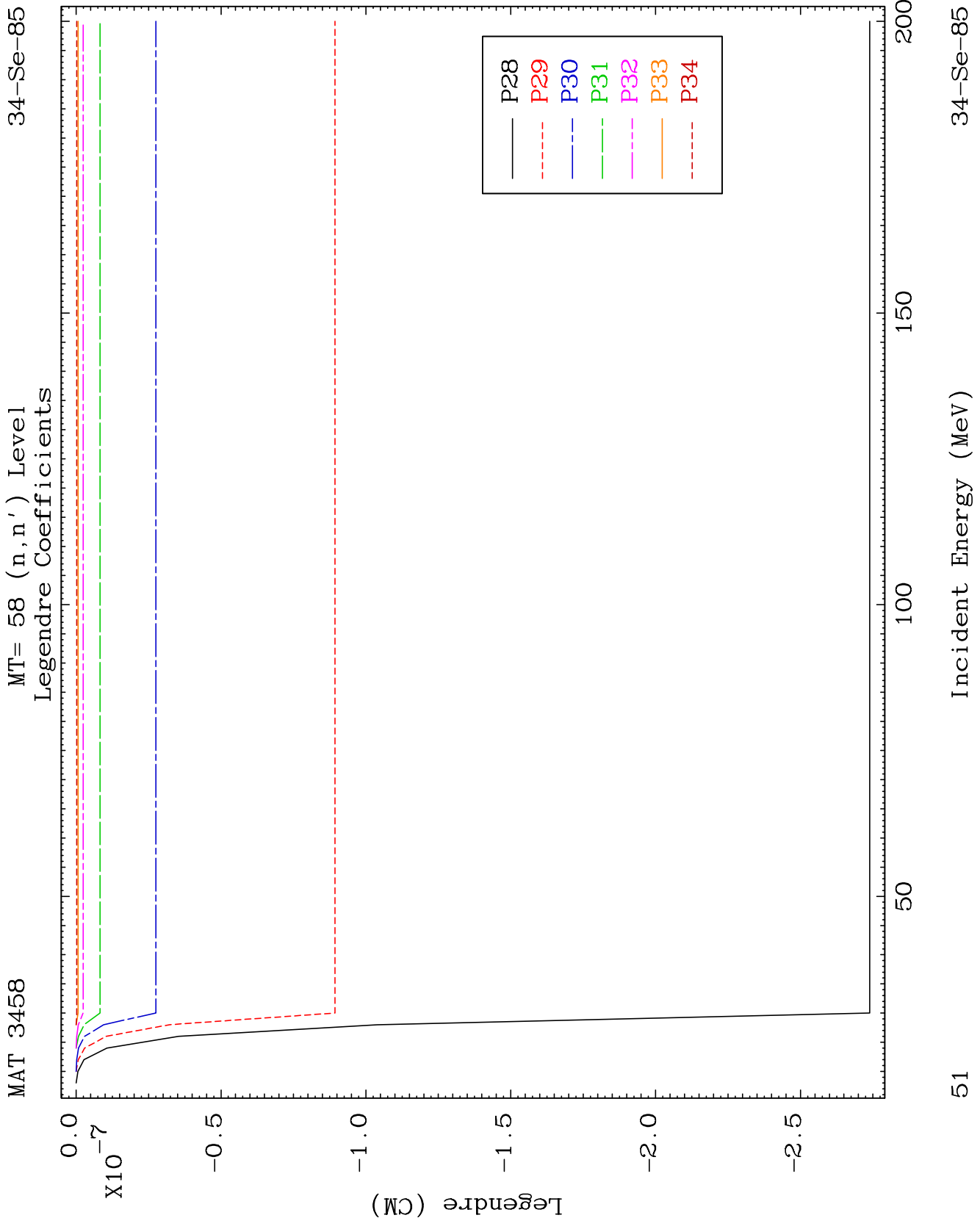


49

Incident Energy (MeV)

34-Se-85

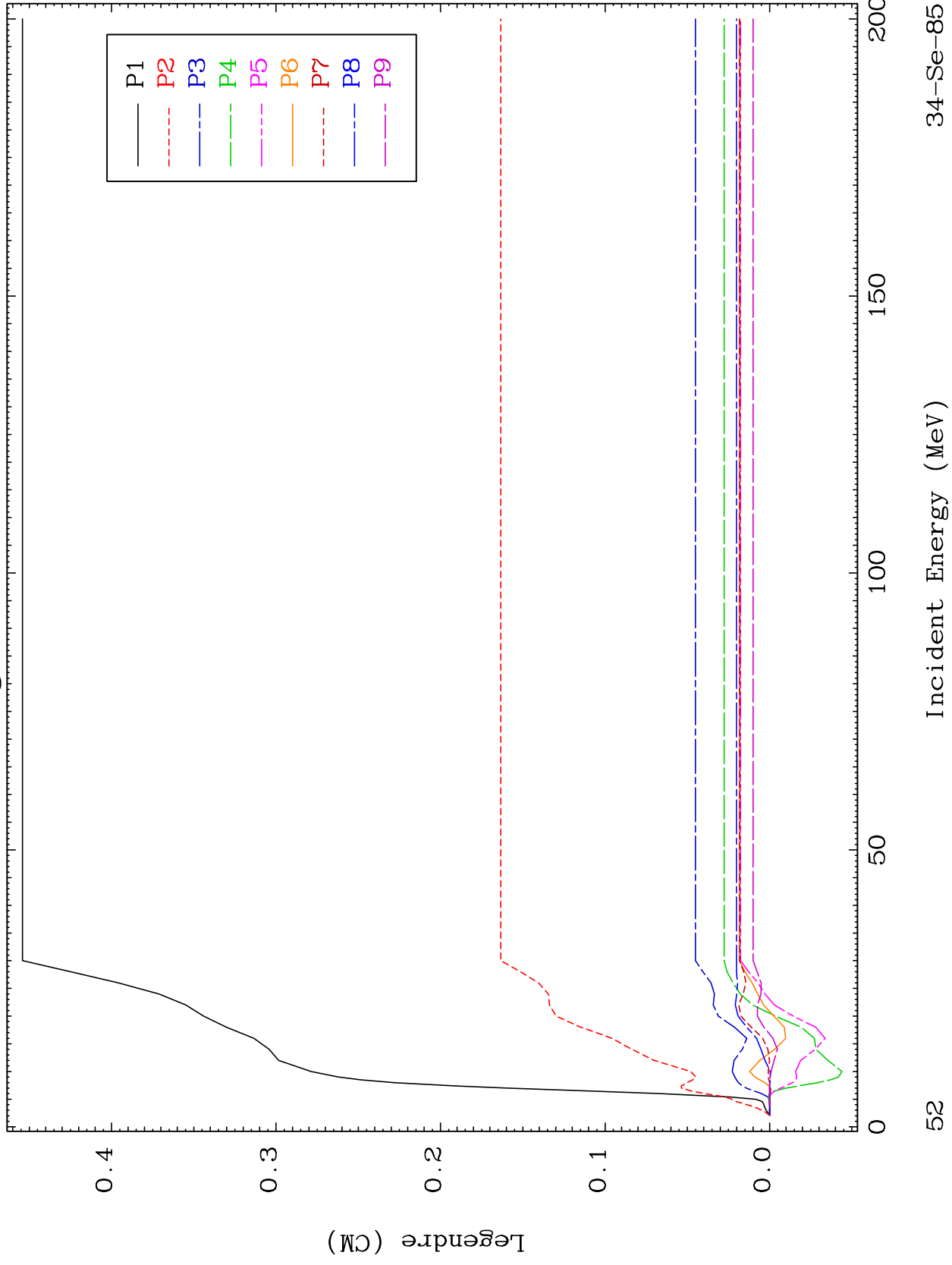




MAT 3458

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

34-Se-85

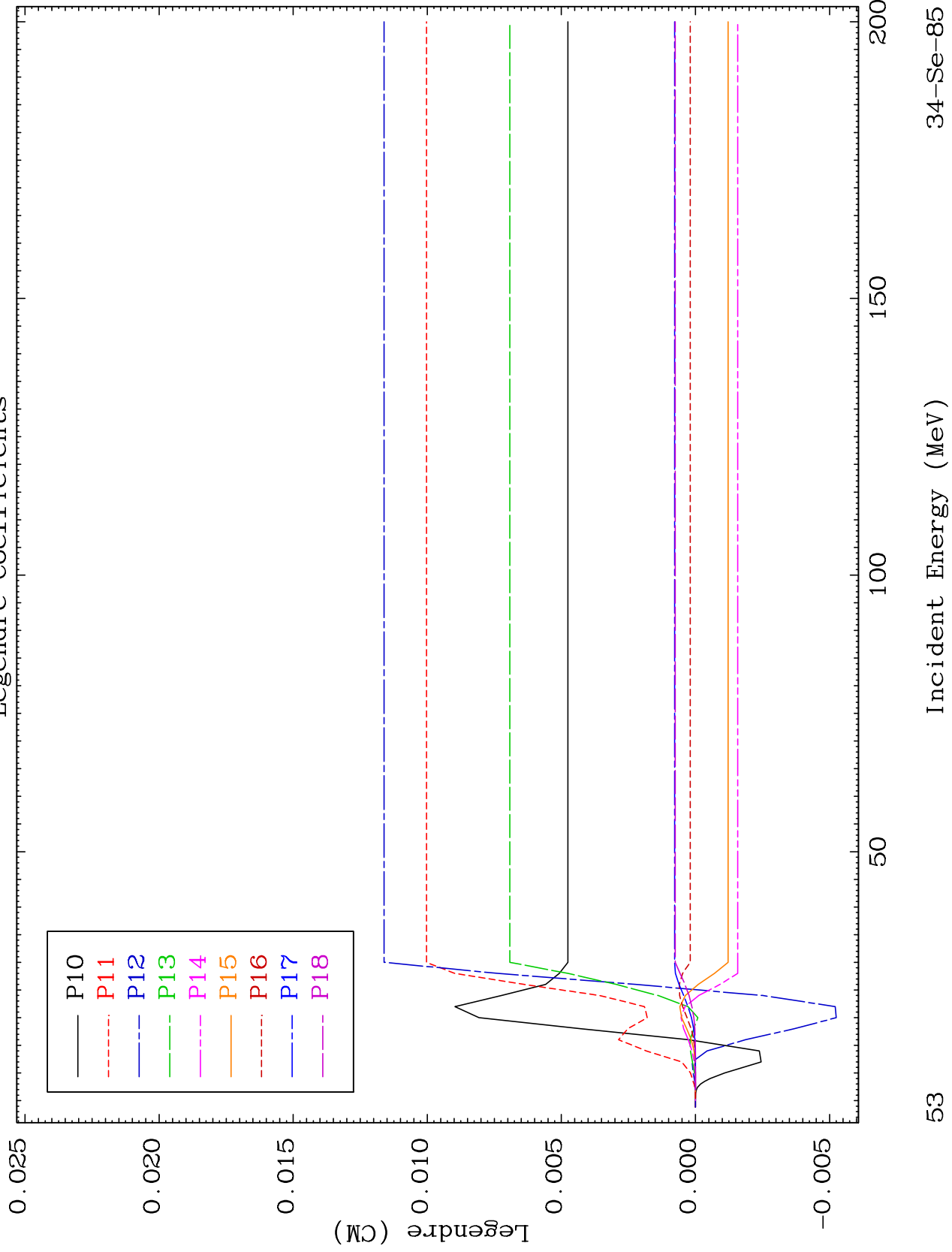


34-Se-85

MAT 3458

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

34-Se-85



53

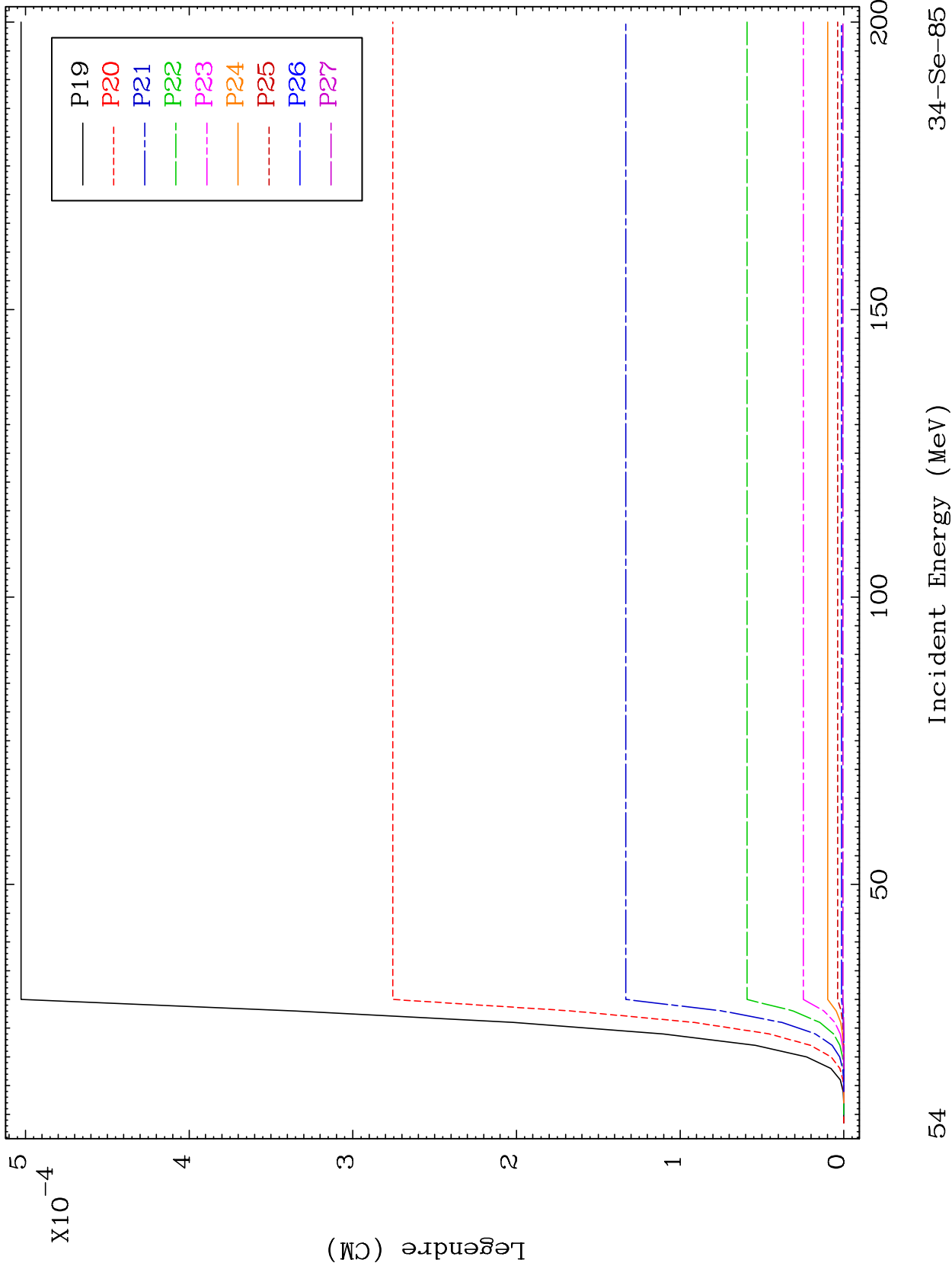
Incident Energy (MeV)

34-Se-85

MAT 3458

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

34-Se-85



54

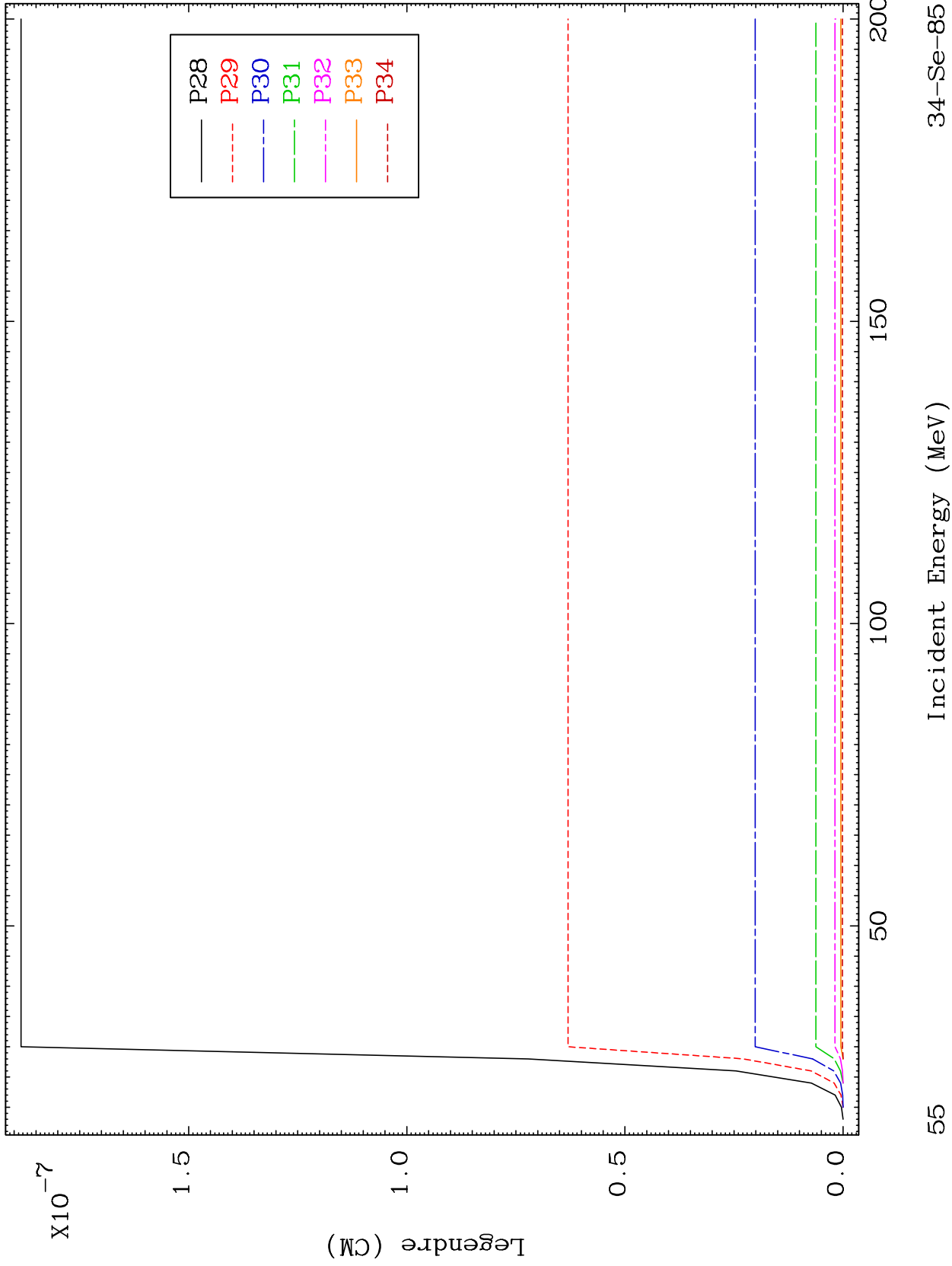
Incident Energy (MeV)

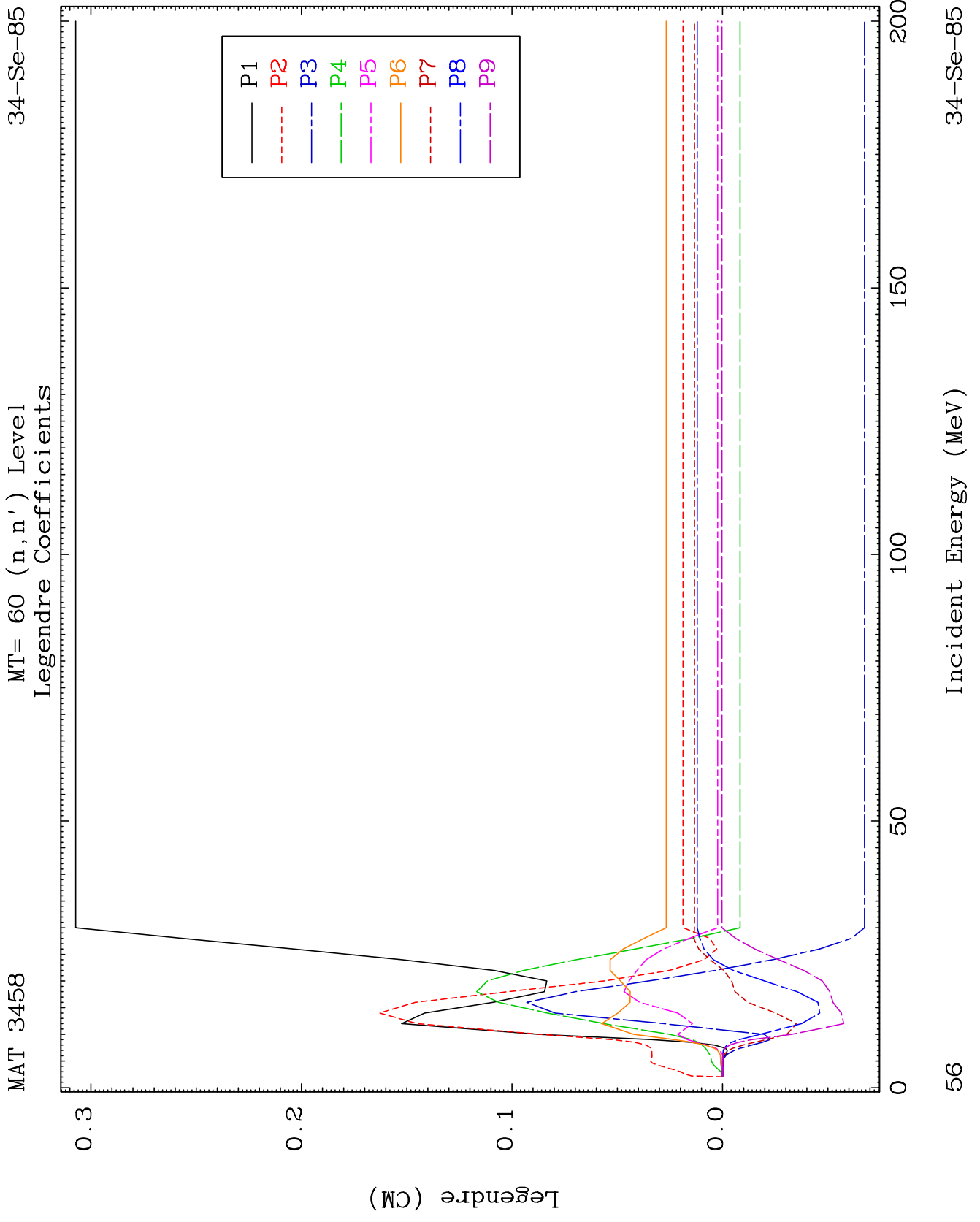
34-Se-85

MAT 3458

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

34-Se-85

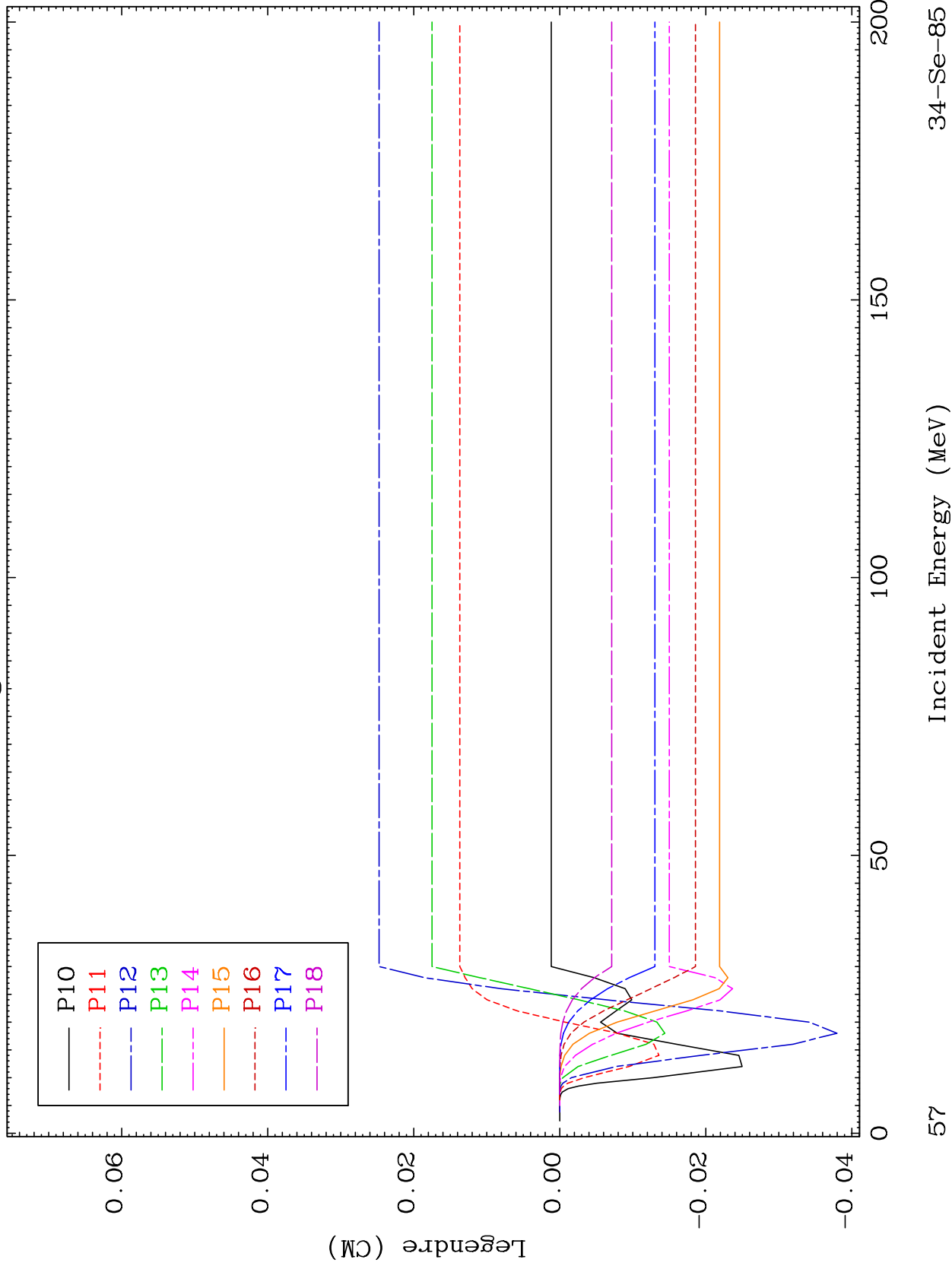




MAT 3458

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

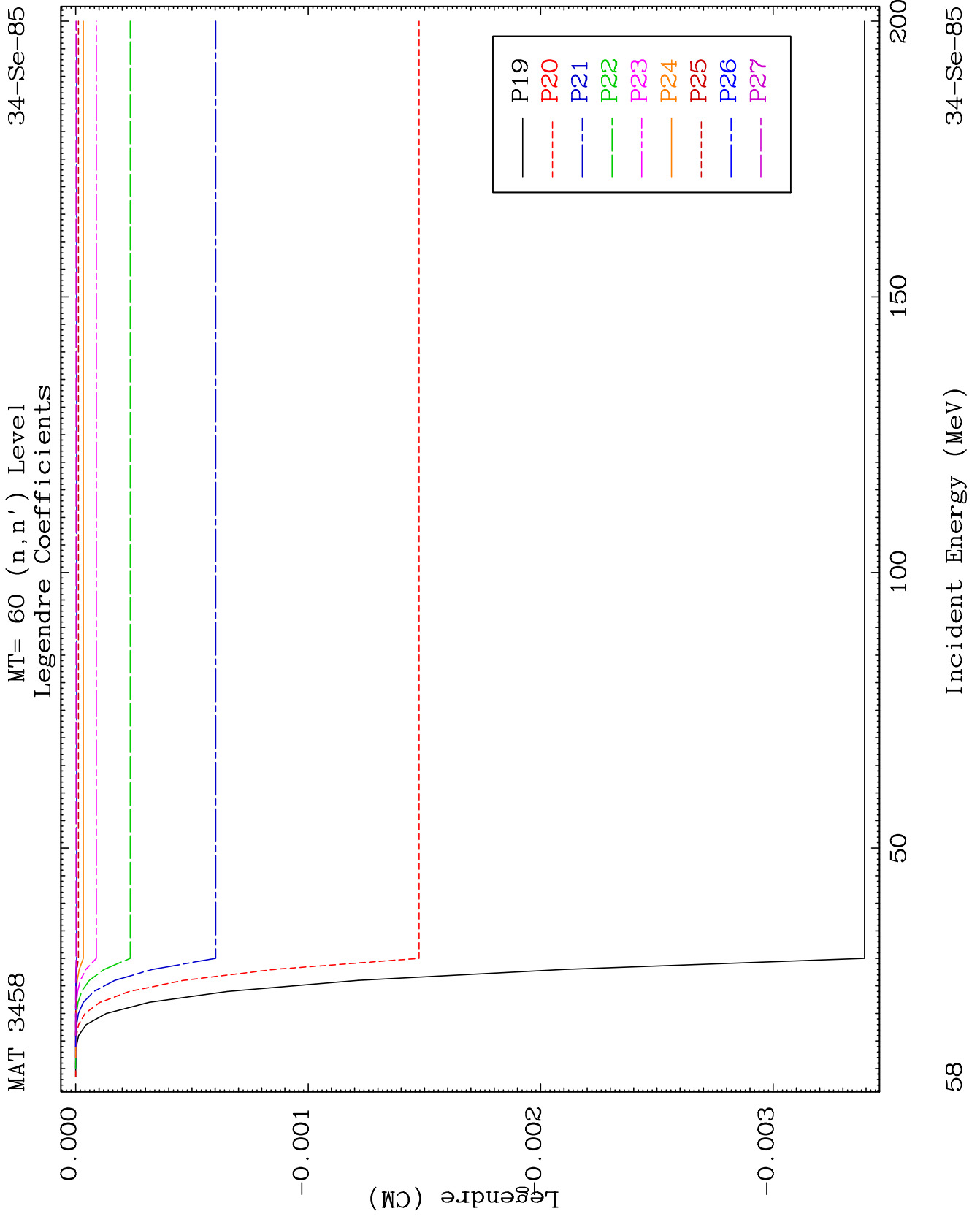
34-Se-85



57

Incident Energy (MeV)

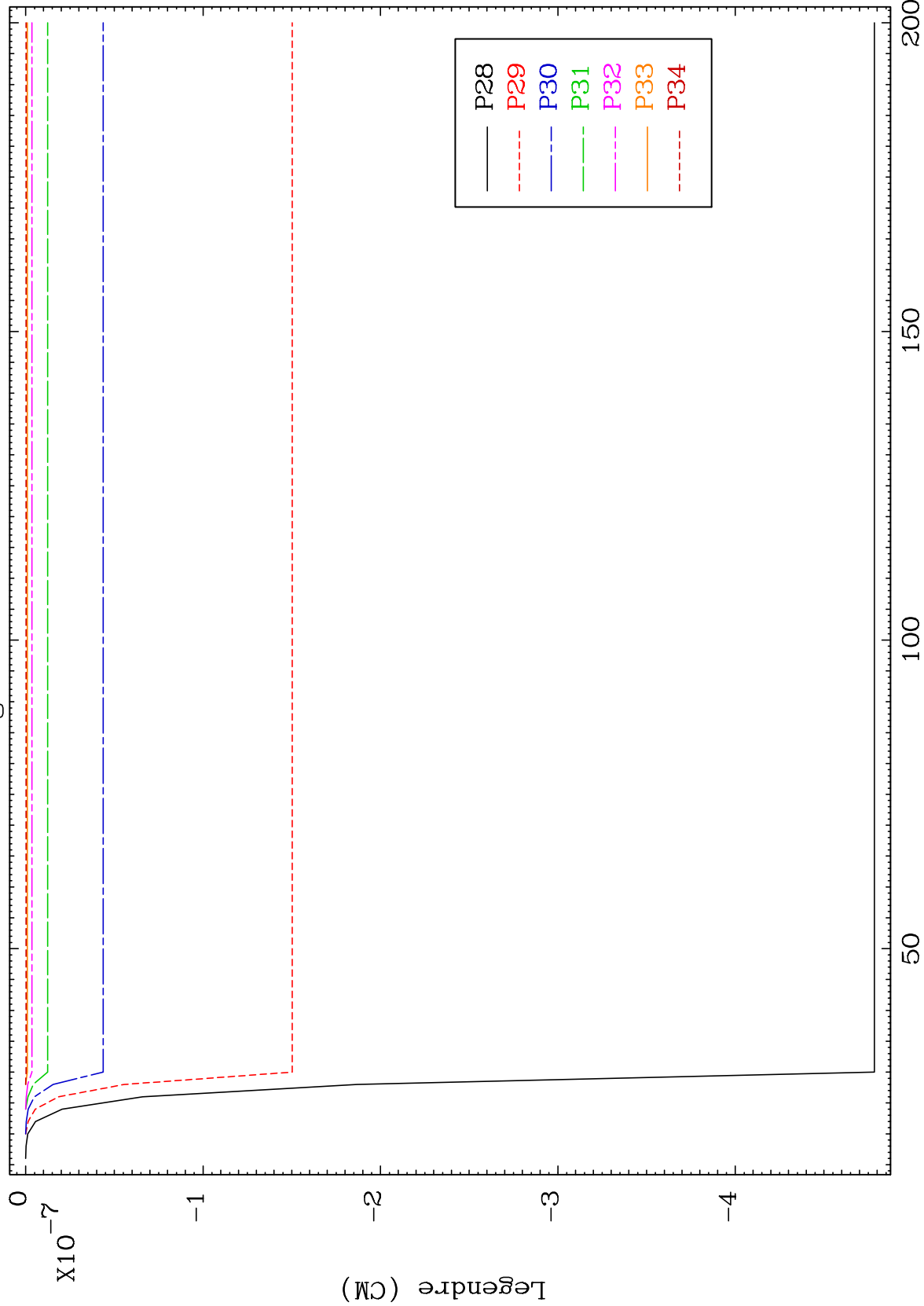
34-Se-85



MAT 3458

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

34-Se-85



59

Incident Energy (MeV)

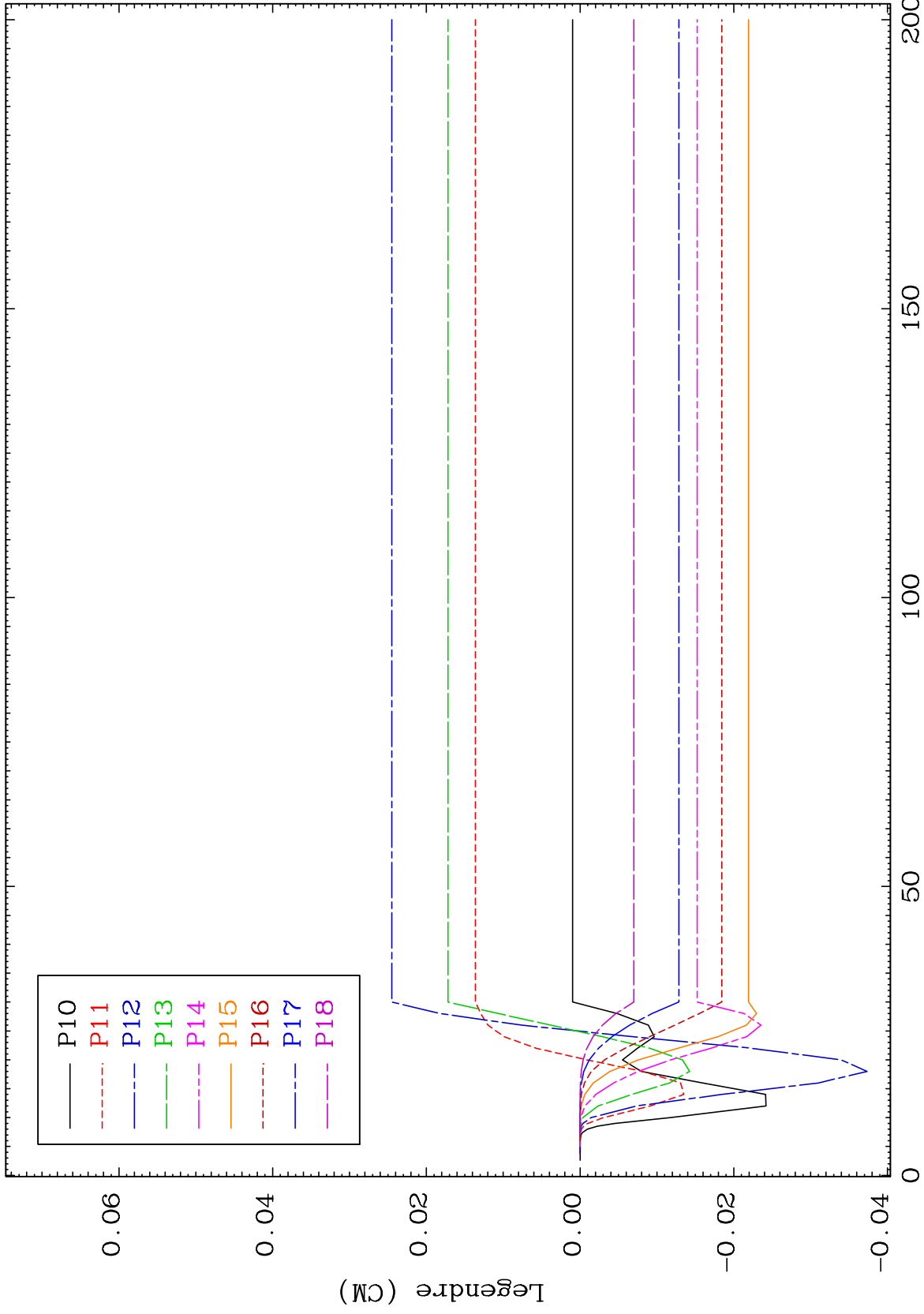
34-Se-85



MAT 3458

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

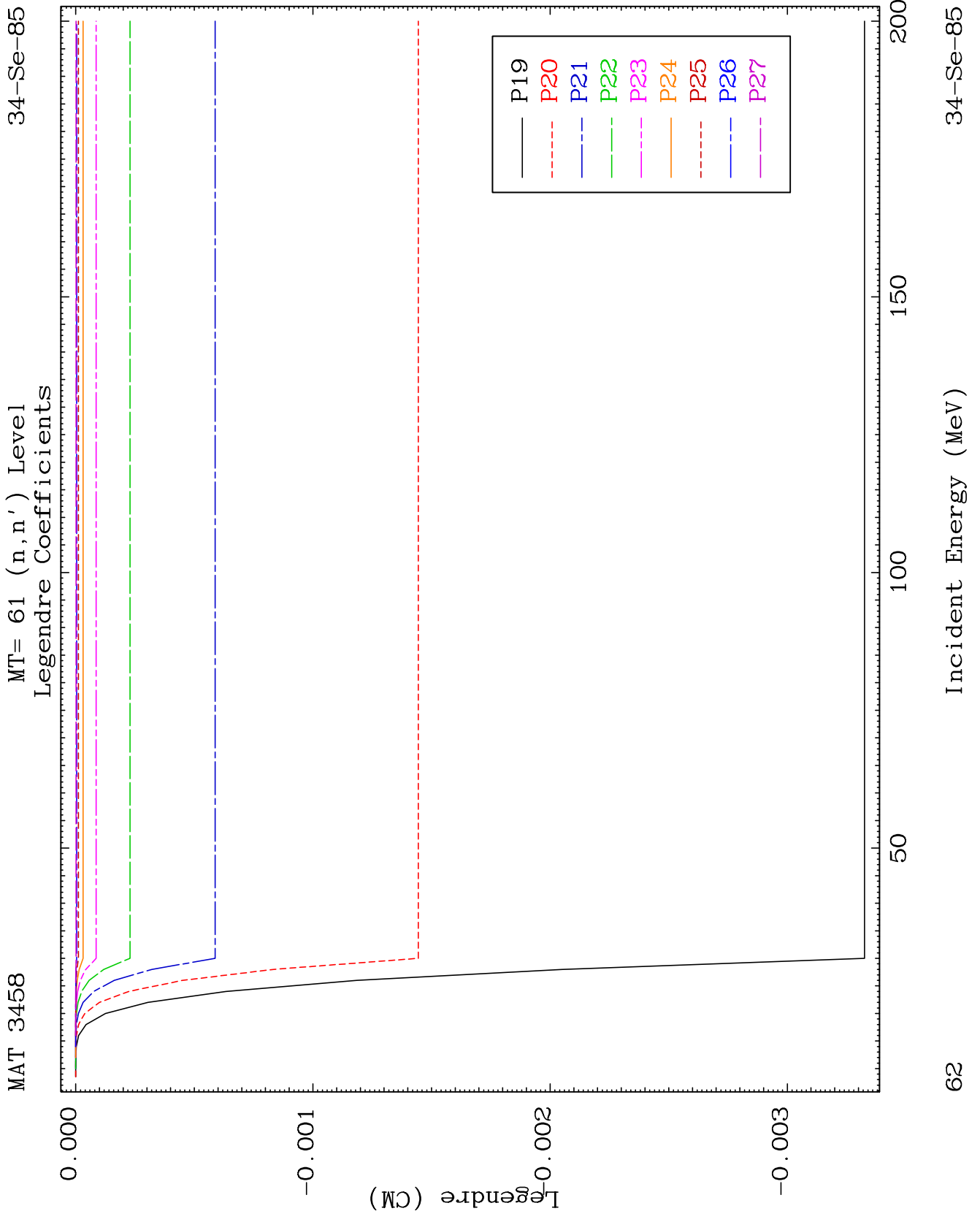
34-Se-85

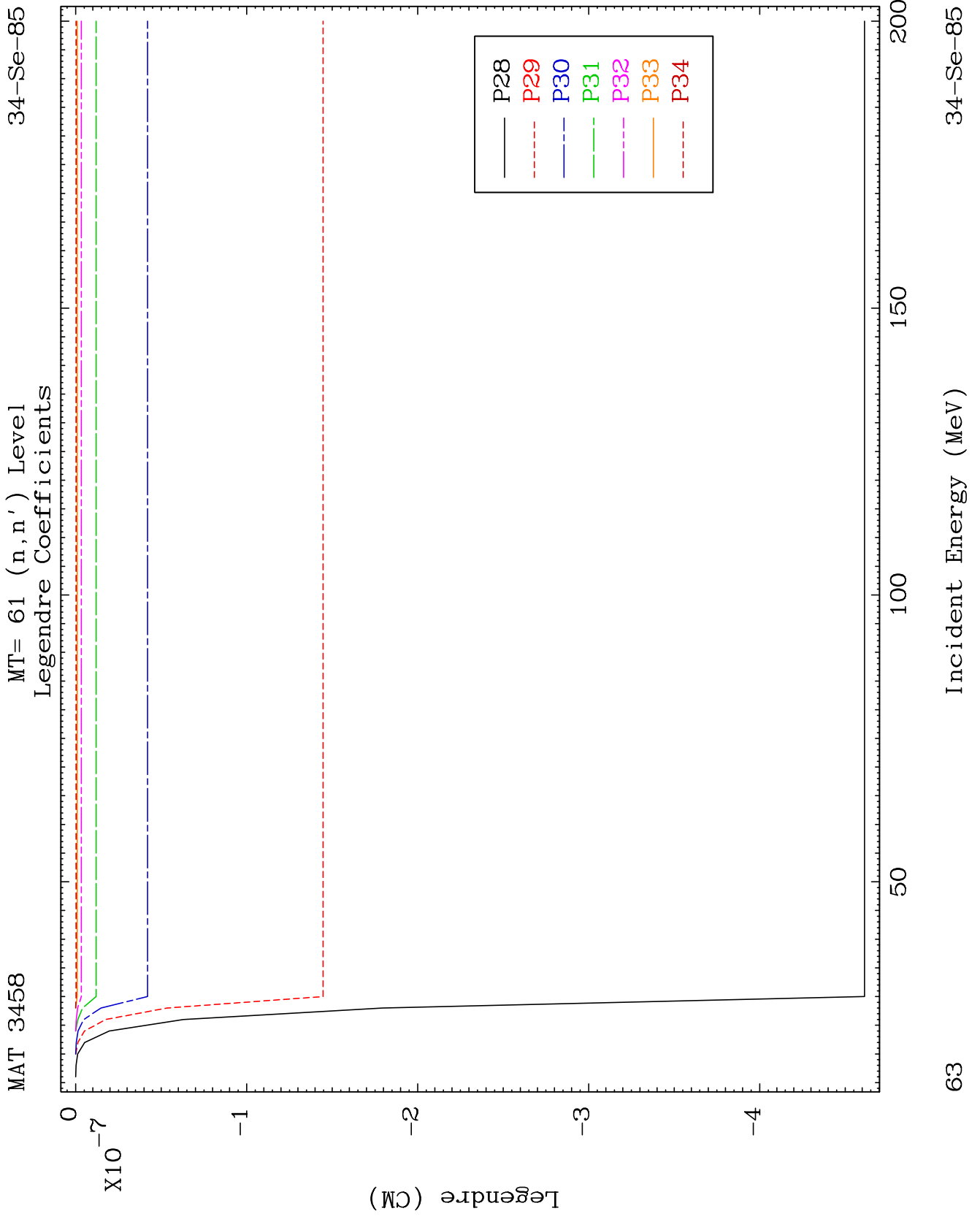


61

Incident Energy (MeV)

34-Se-85

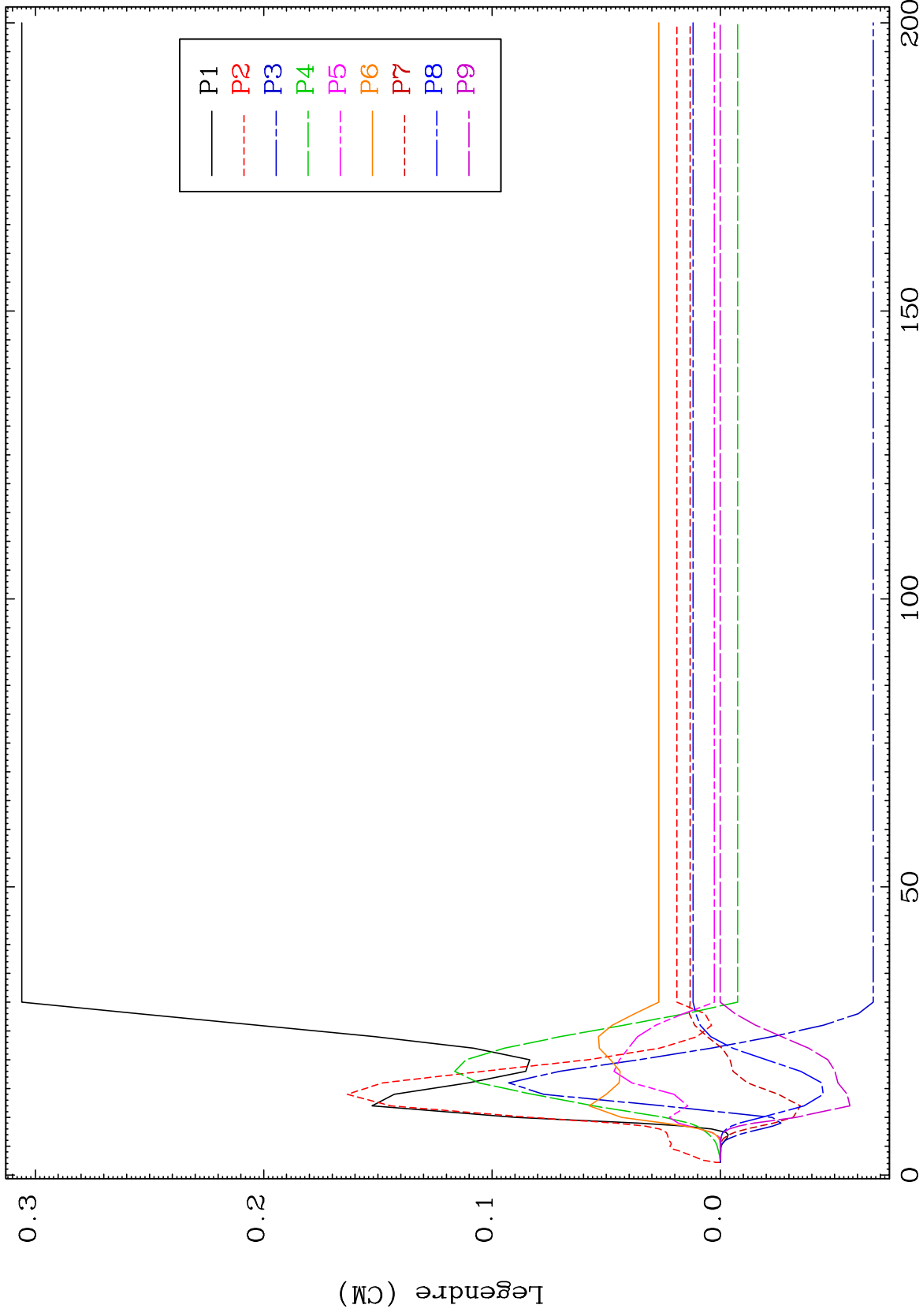




MAT 3458

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

<sup>34</sup>Se-85



64

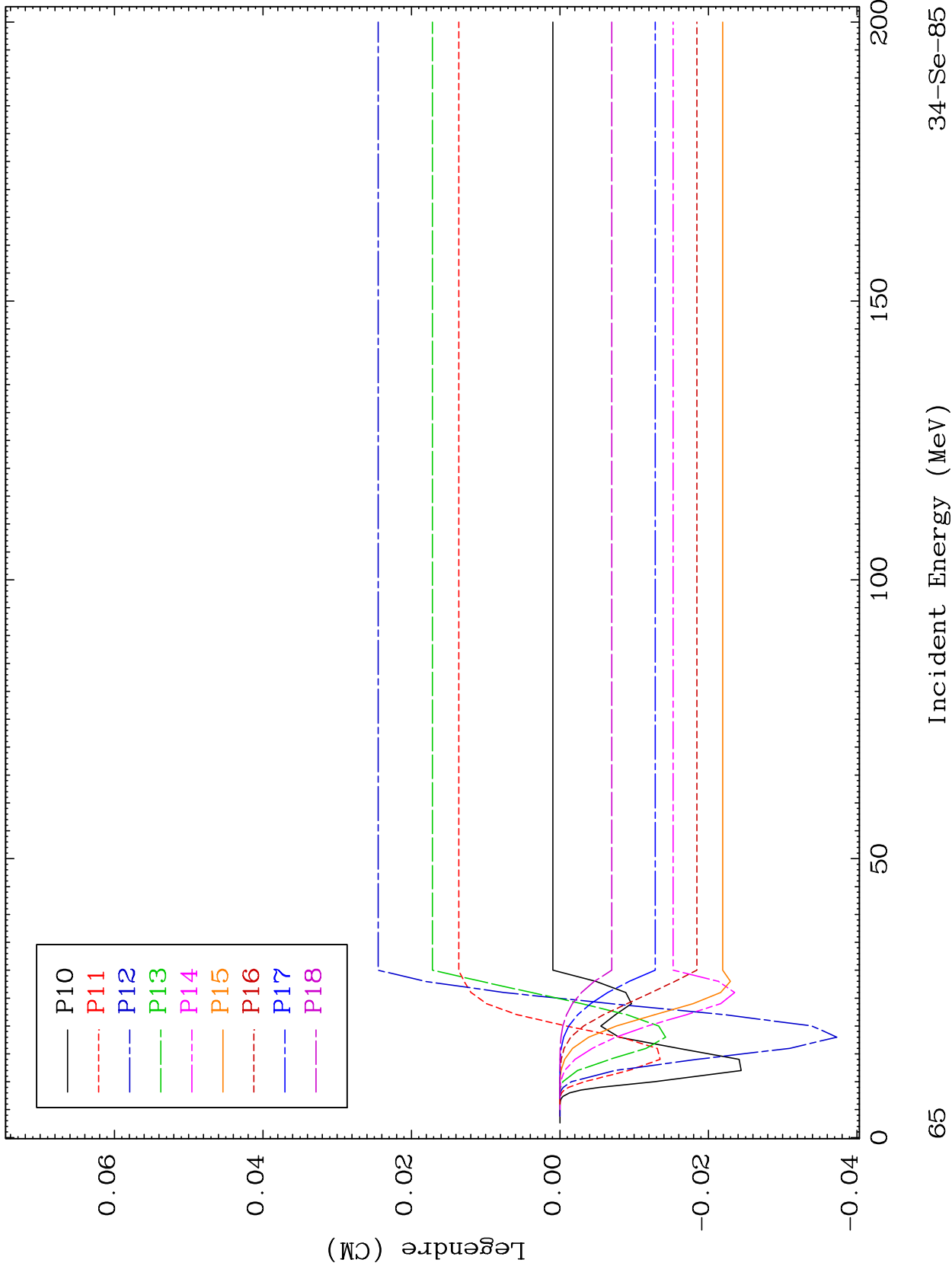
Incident Energy (MeV)

<sup>34</sup>Se-85

MAT 3458

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

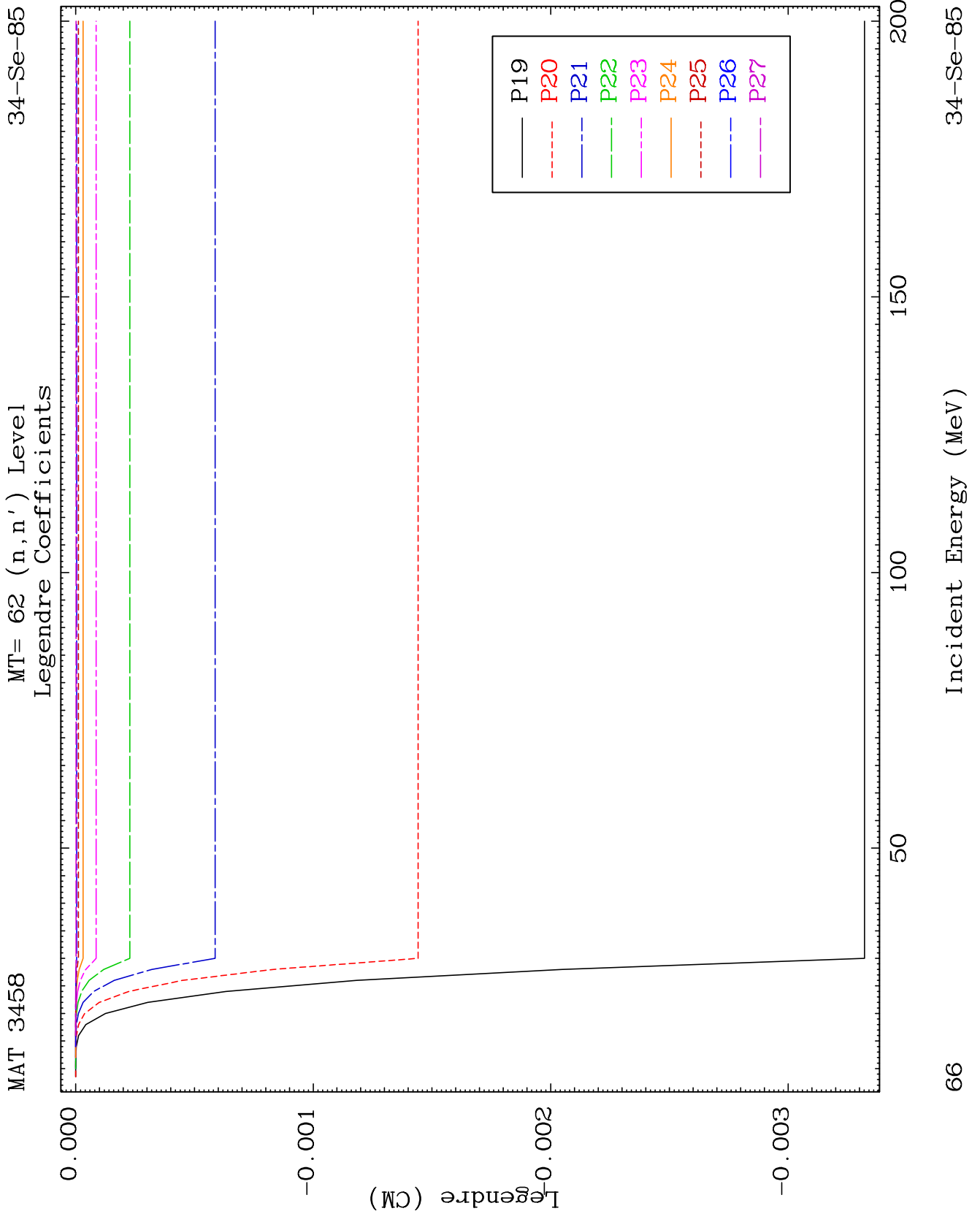
34-Se-85

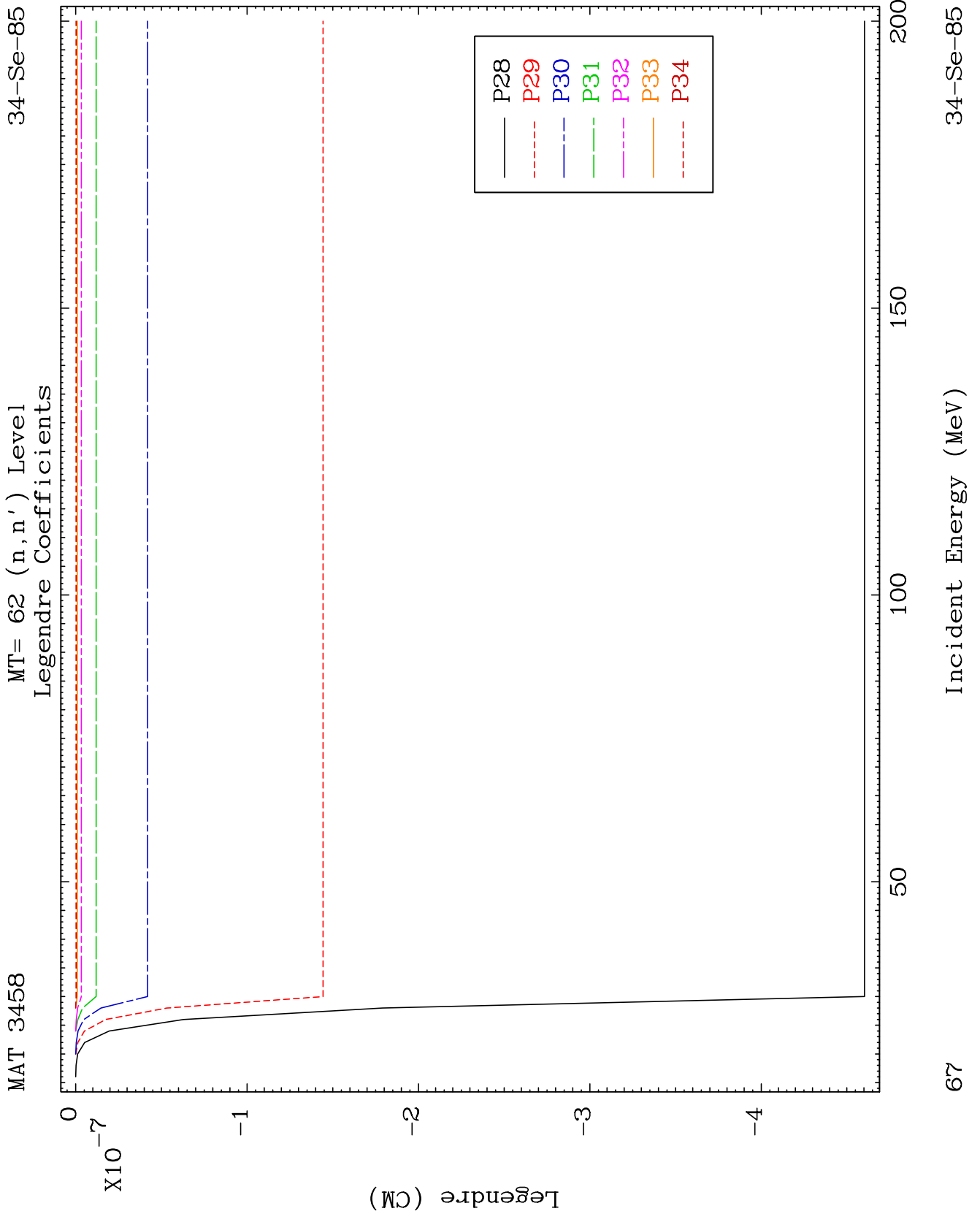


34-Se-85

Incident Energy (MeV)

65

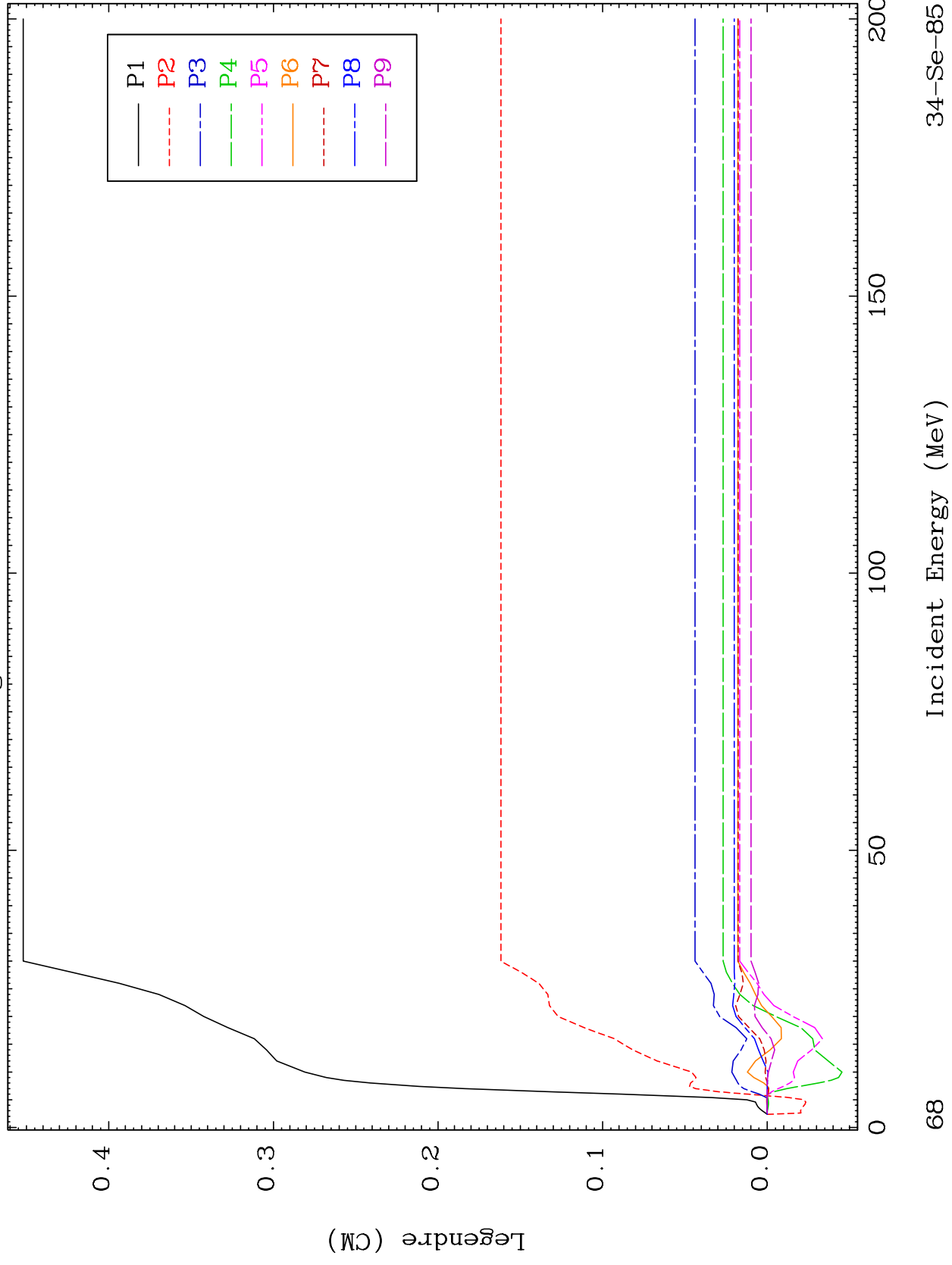




MAT 3458

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

34-Se-85



34-Se-85

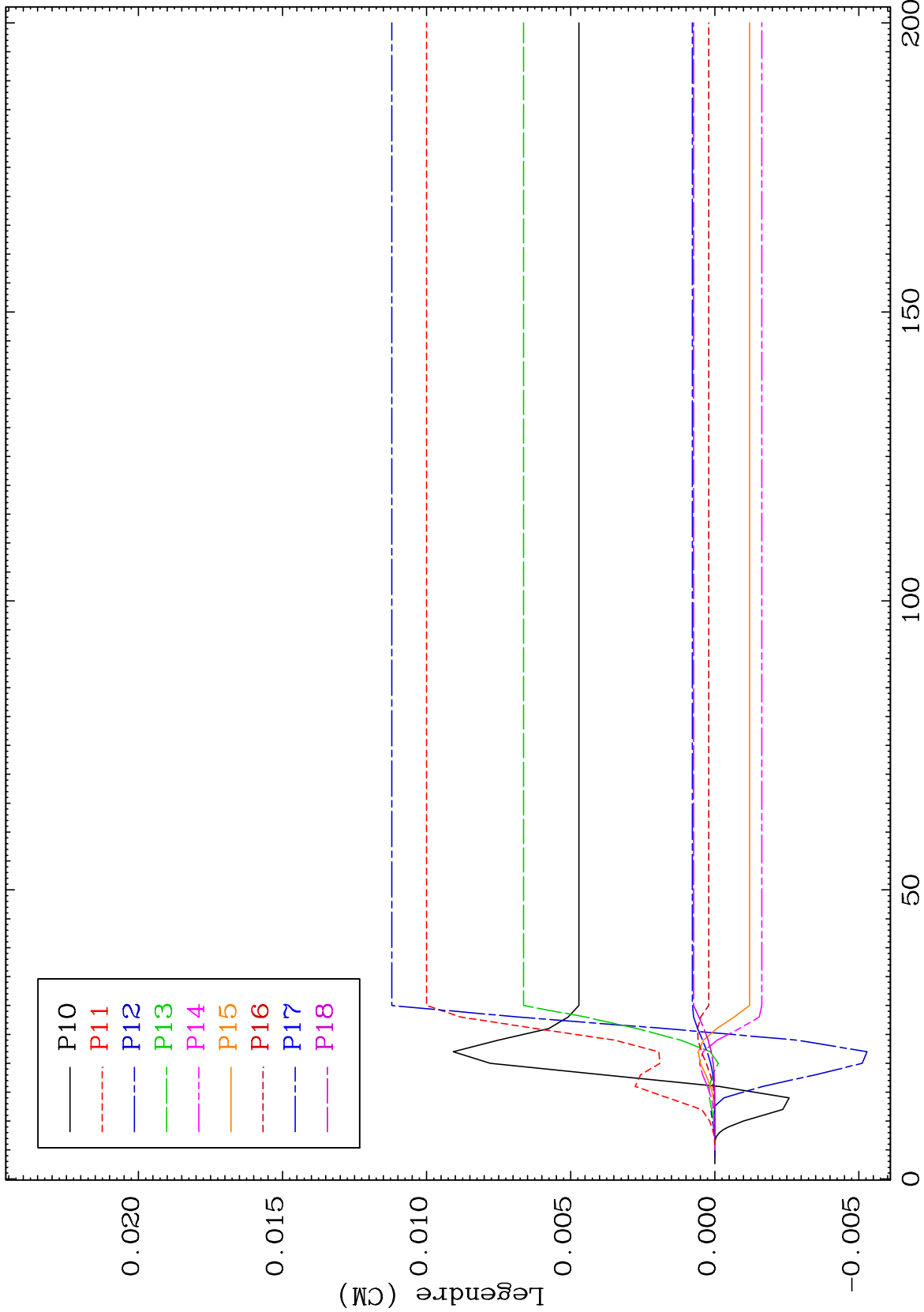
Incident Energy (MeV)

68

MAT 3458

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

34-Se-85



69

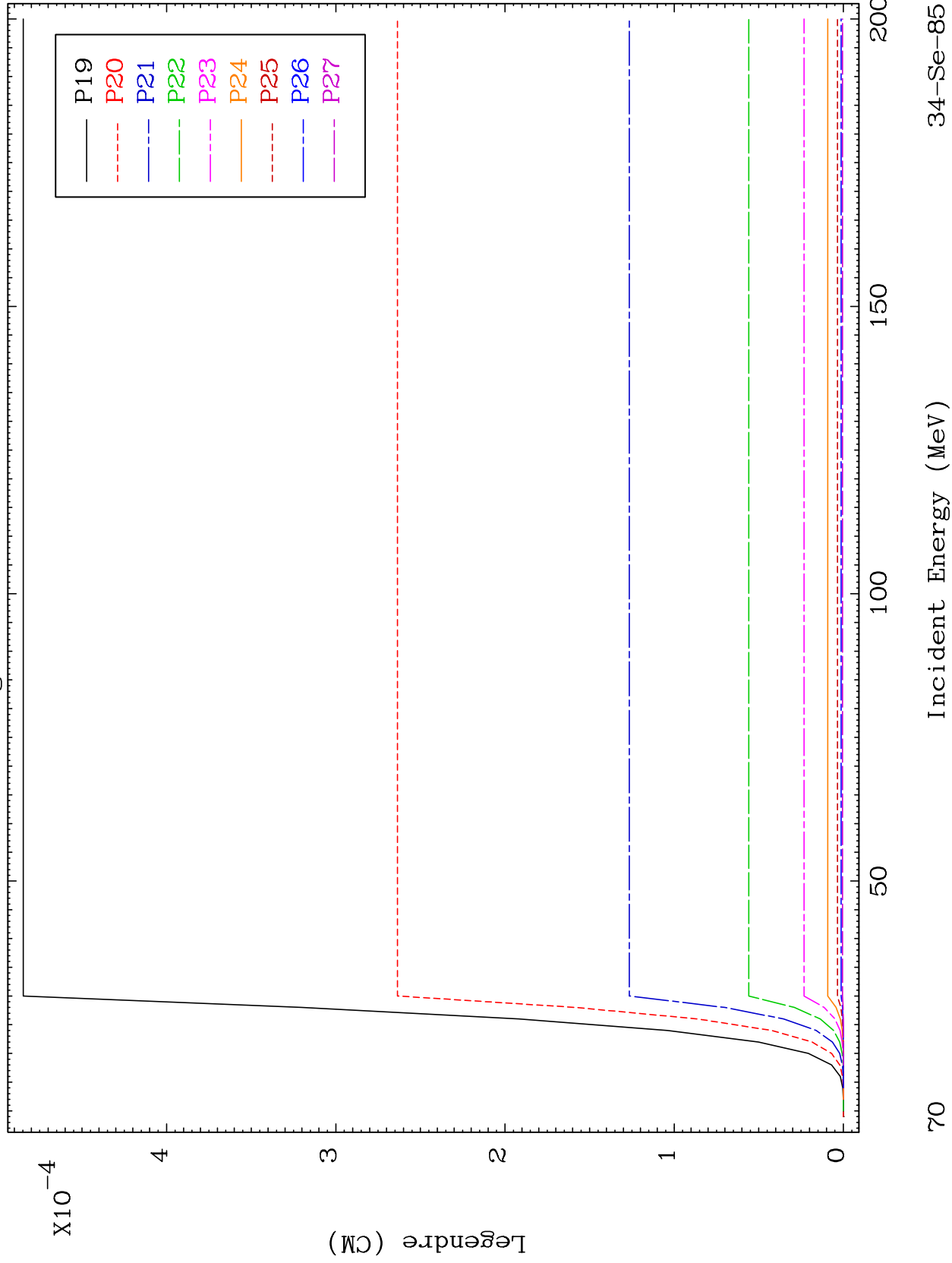
Incident Energy (MeV)

34-Se-85

MAT 3458

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

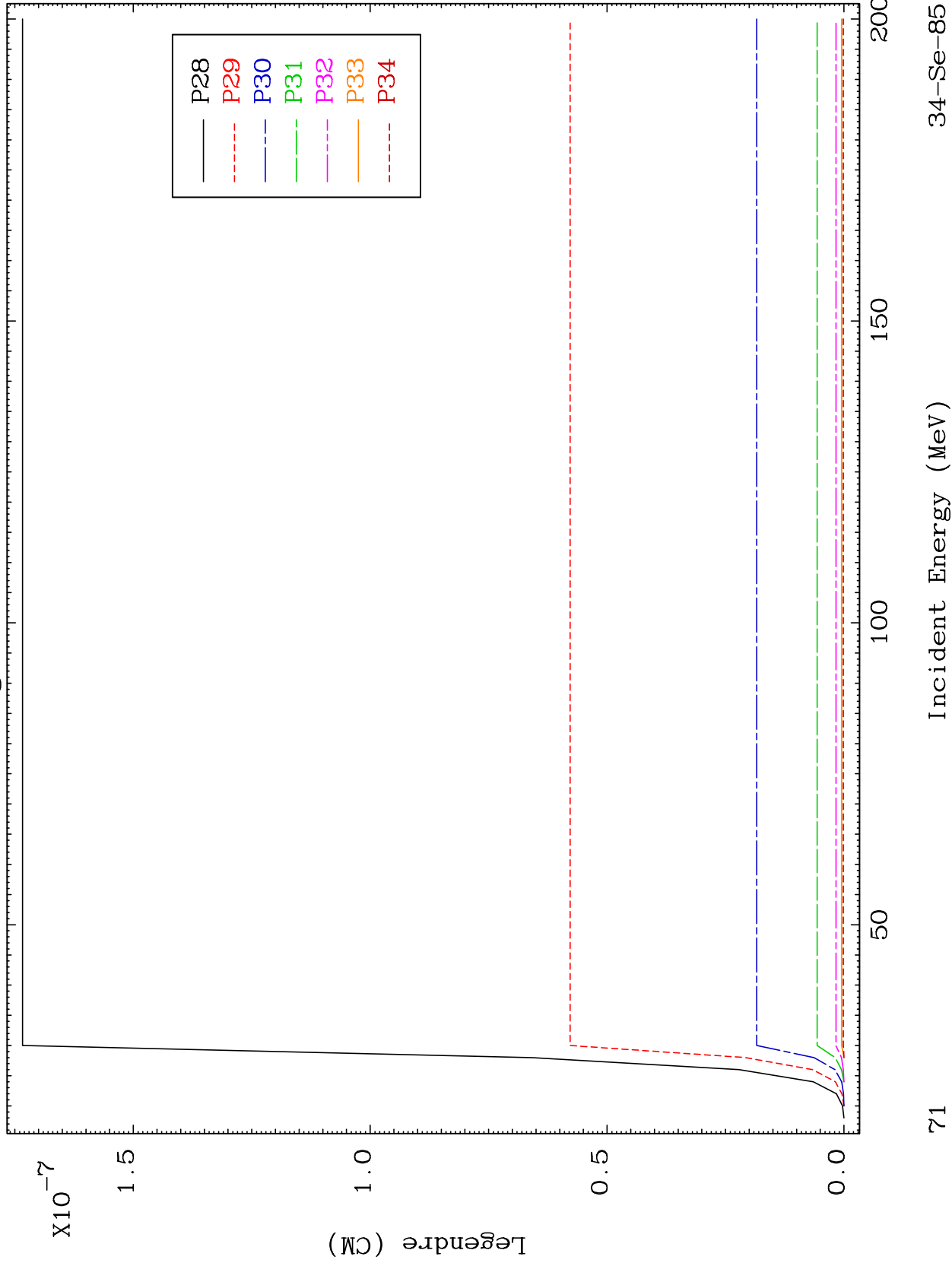
<sup>34</sup>Se-85



MAT 3458

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

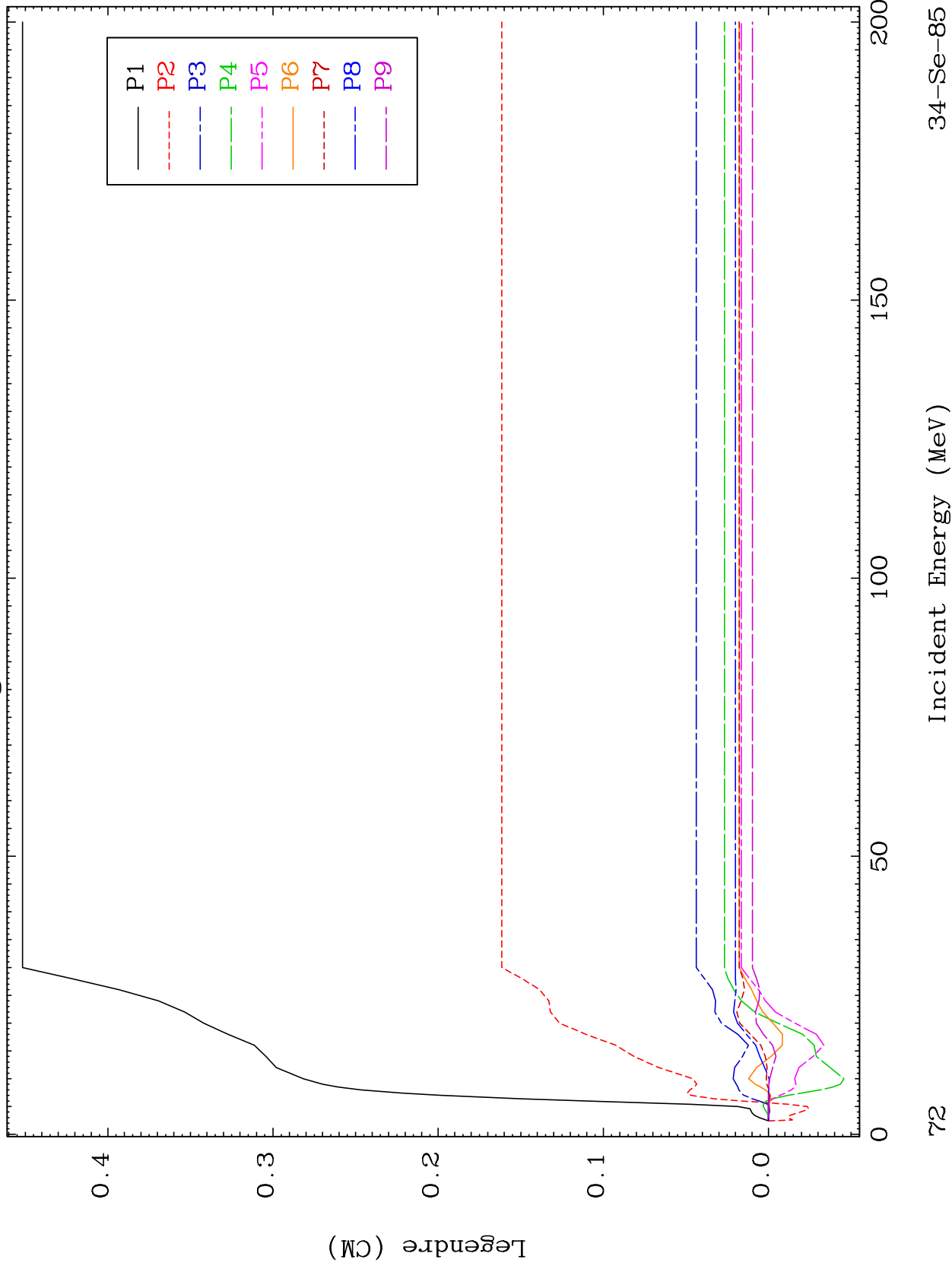
34-Se-85



MAT 3458

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

34-Se-85



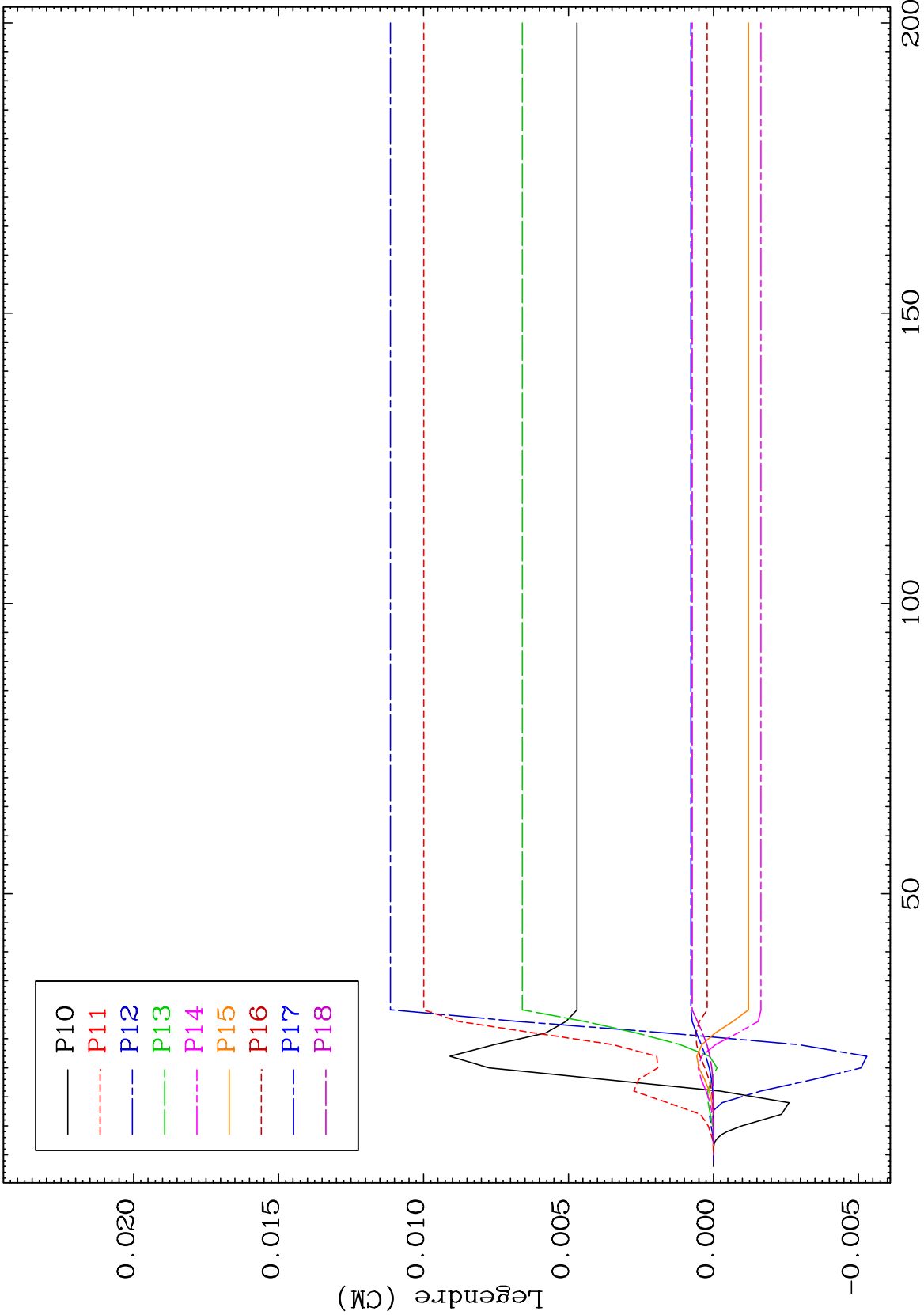
72

34-Se-85

MAT 3458

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

34-Se-85



73

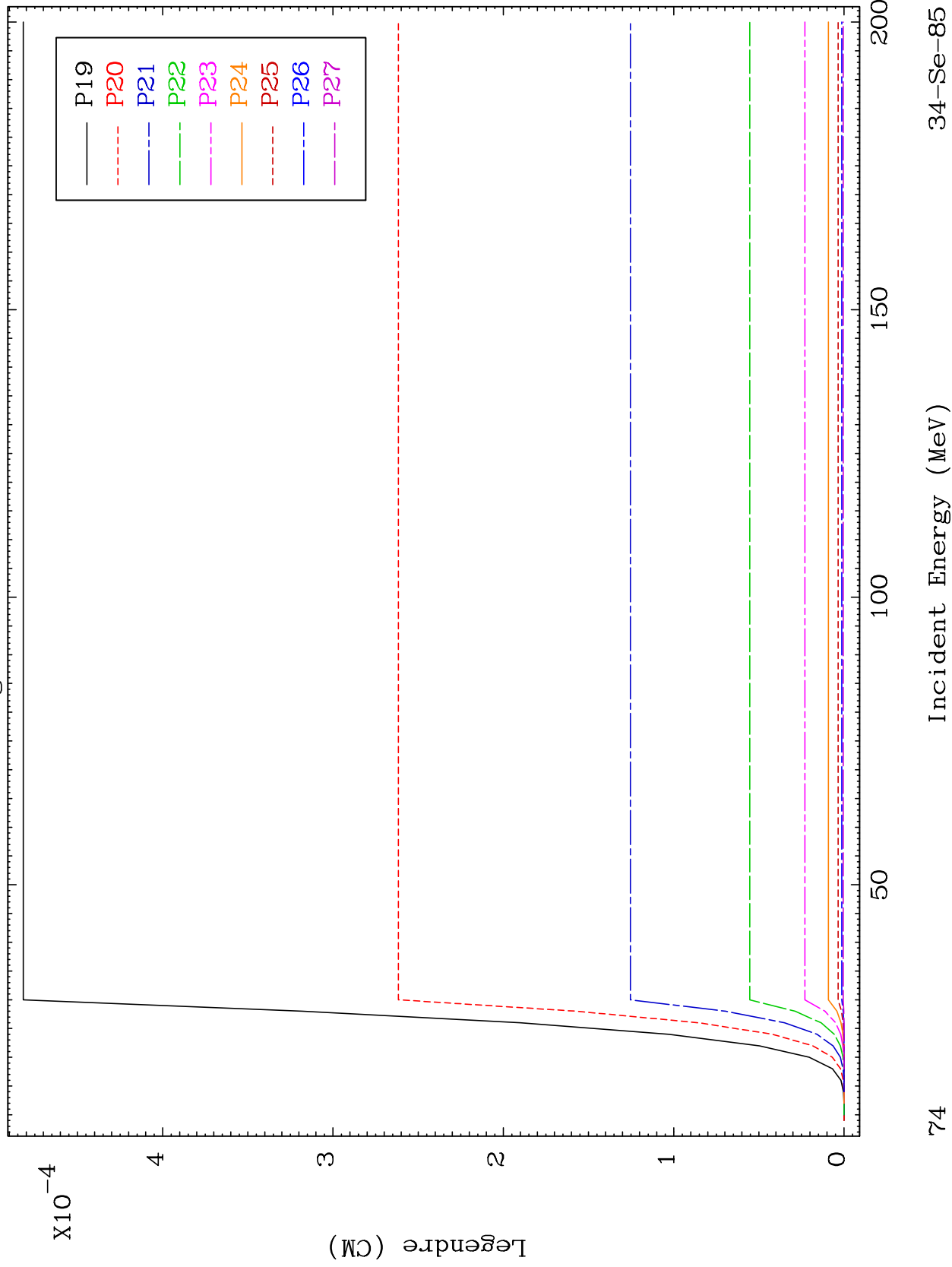
Incident Energy (MeV)

34-Se-85

MAT 3458

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

34-Se-85

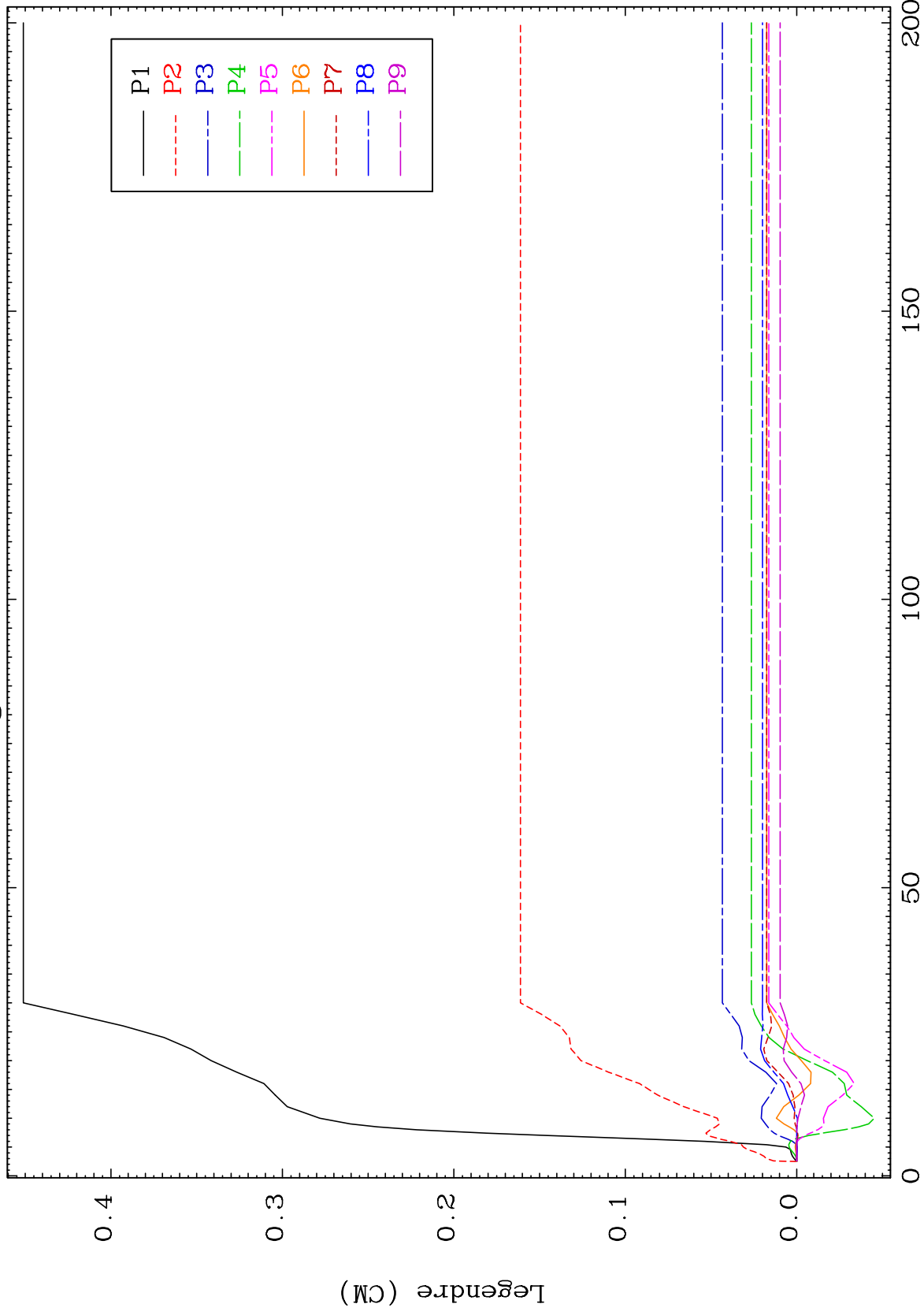




MAT 3458

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

34-Se-85



76

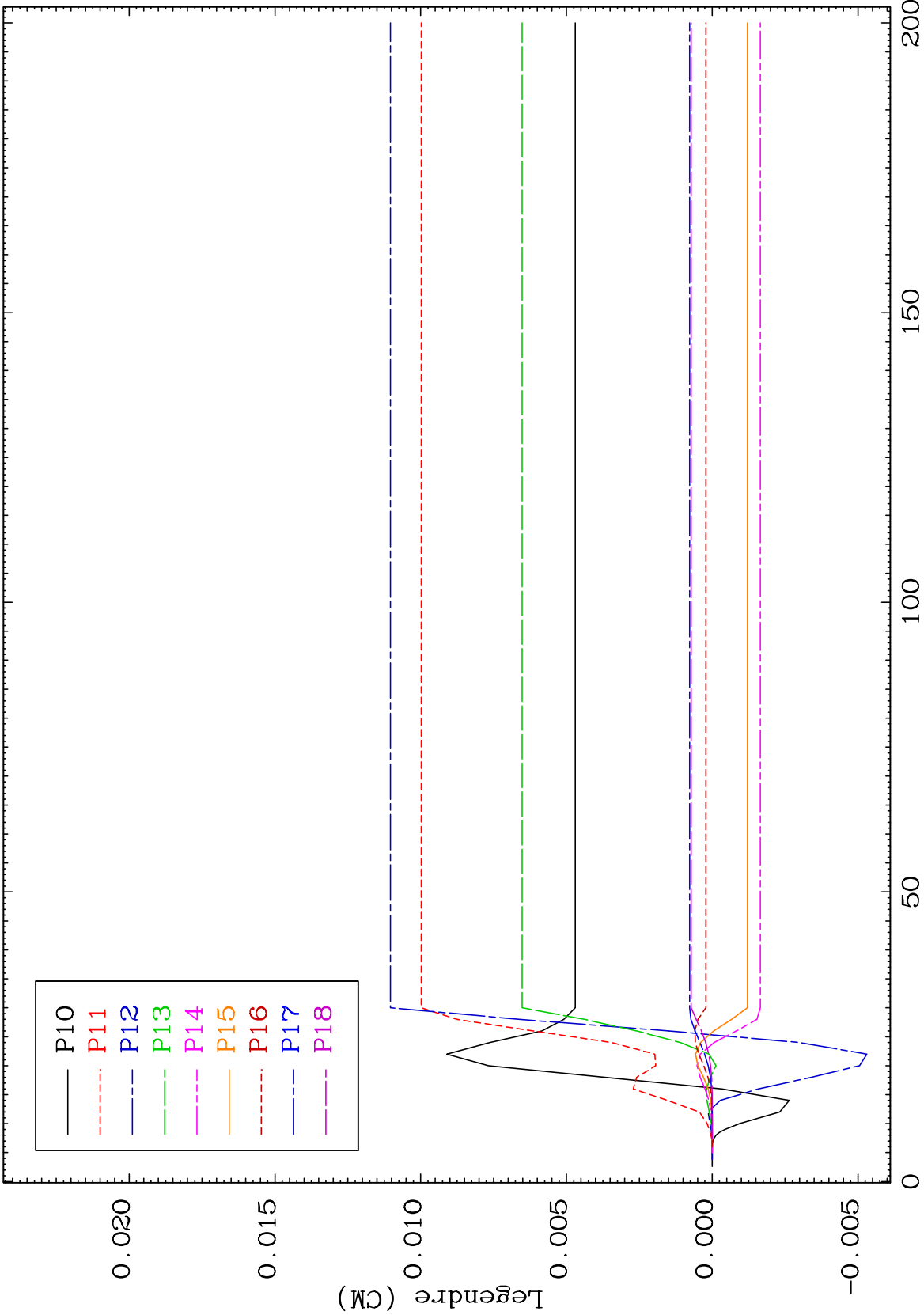
Incident Energy (MeV)

34-Se-85

MAT 3458

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

34-Se-85



77

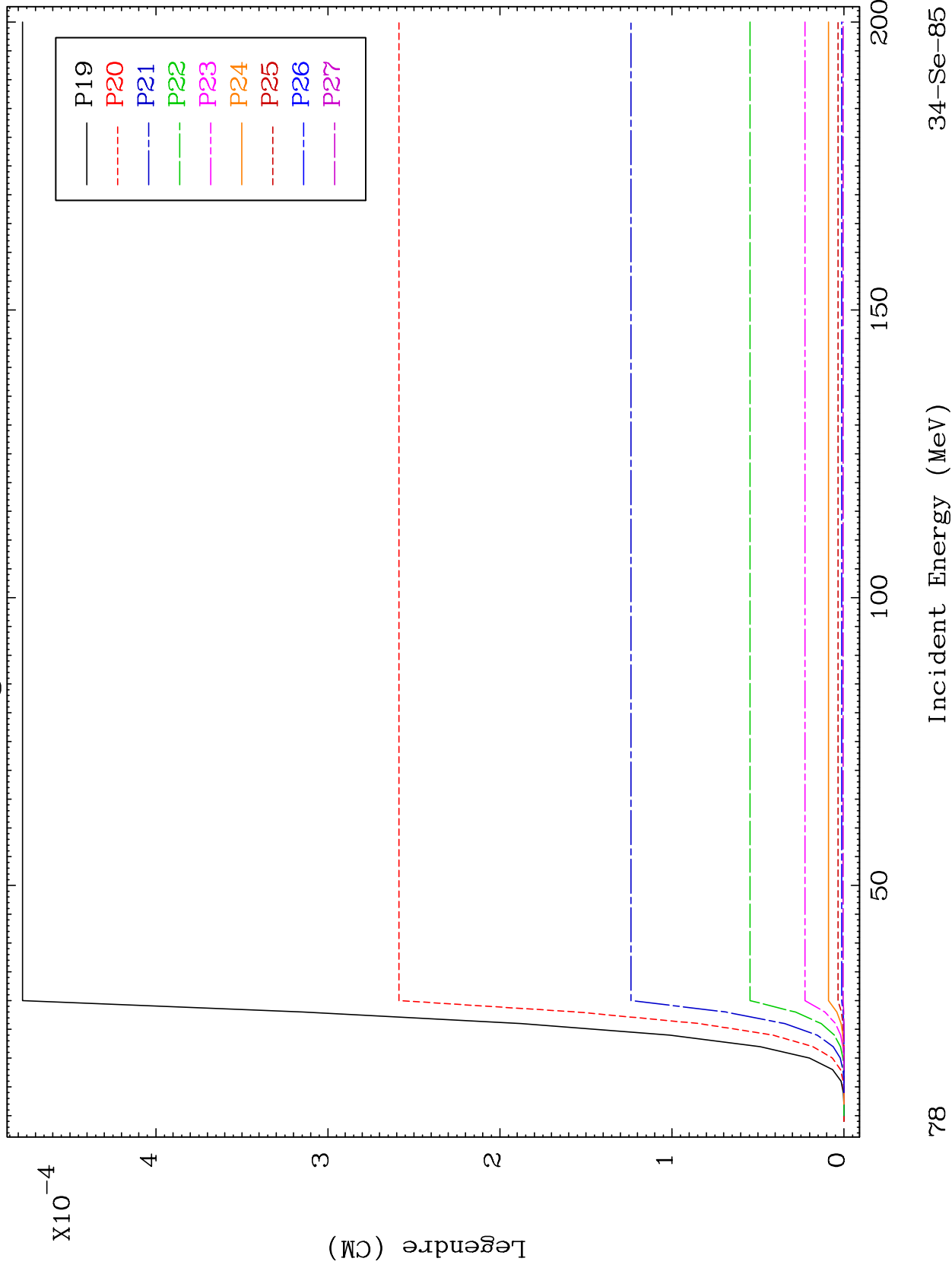
Incident Energy (MeV)

34-Se-85

MAT 3458

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

34-Se-85



78

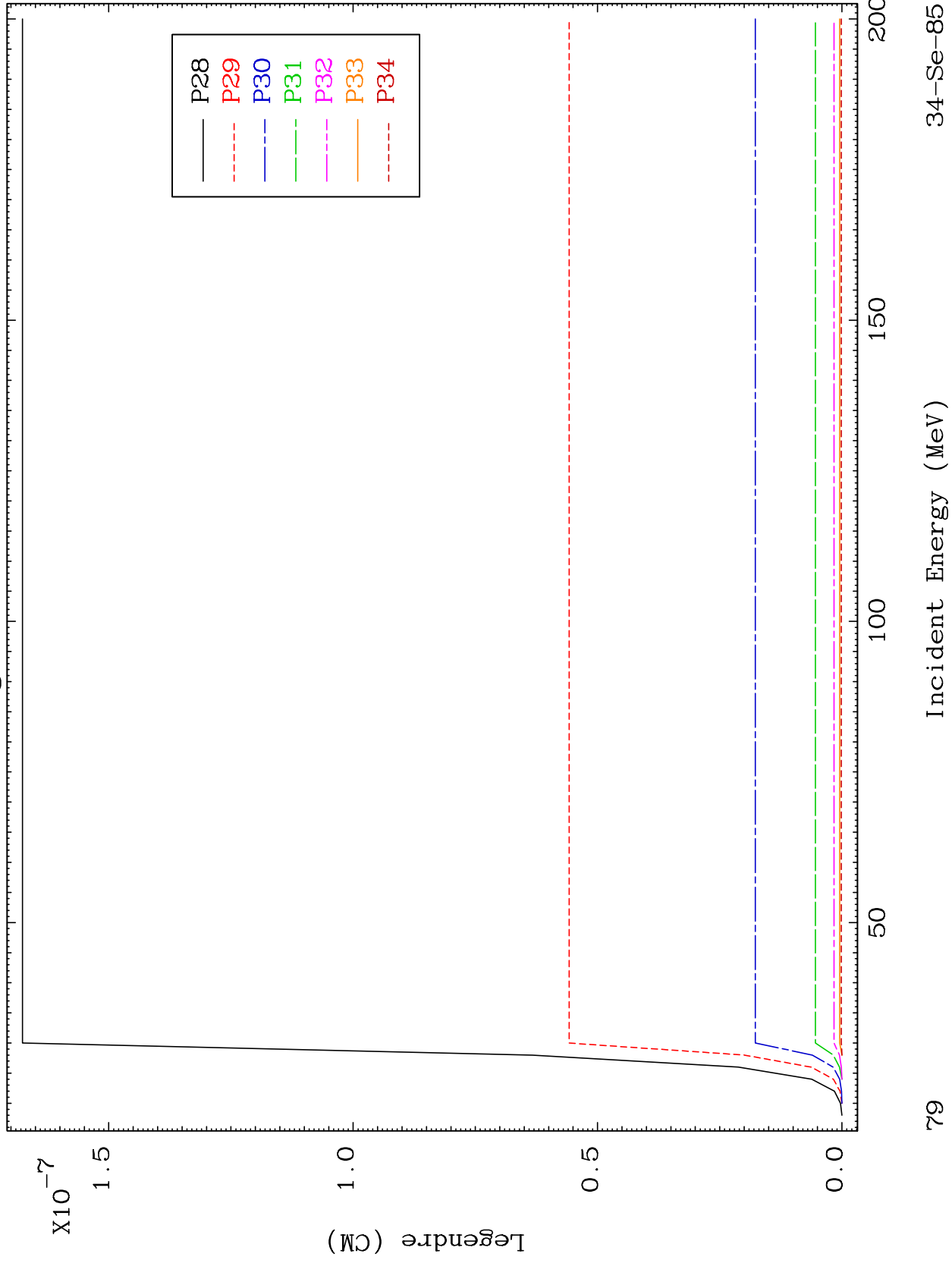
Incident Energy (MeV)

34-Se-85

MAT 3458

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

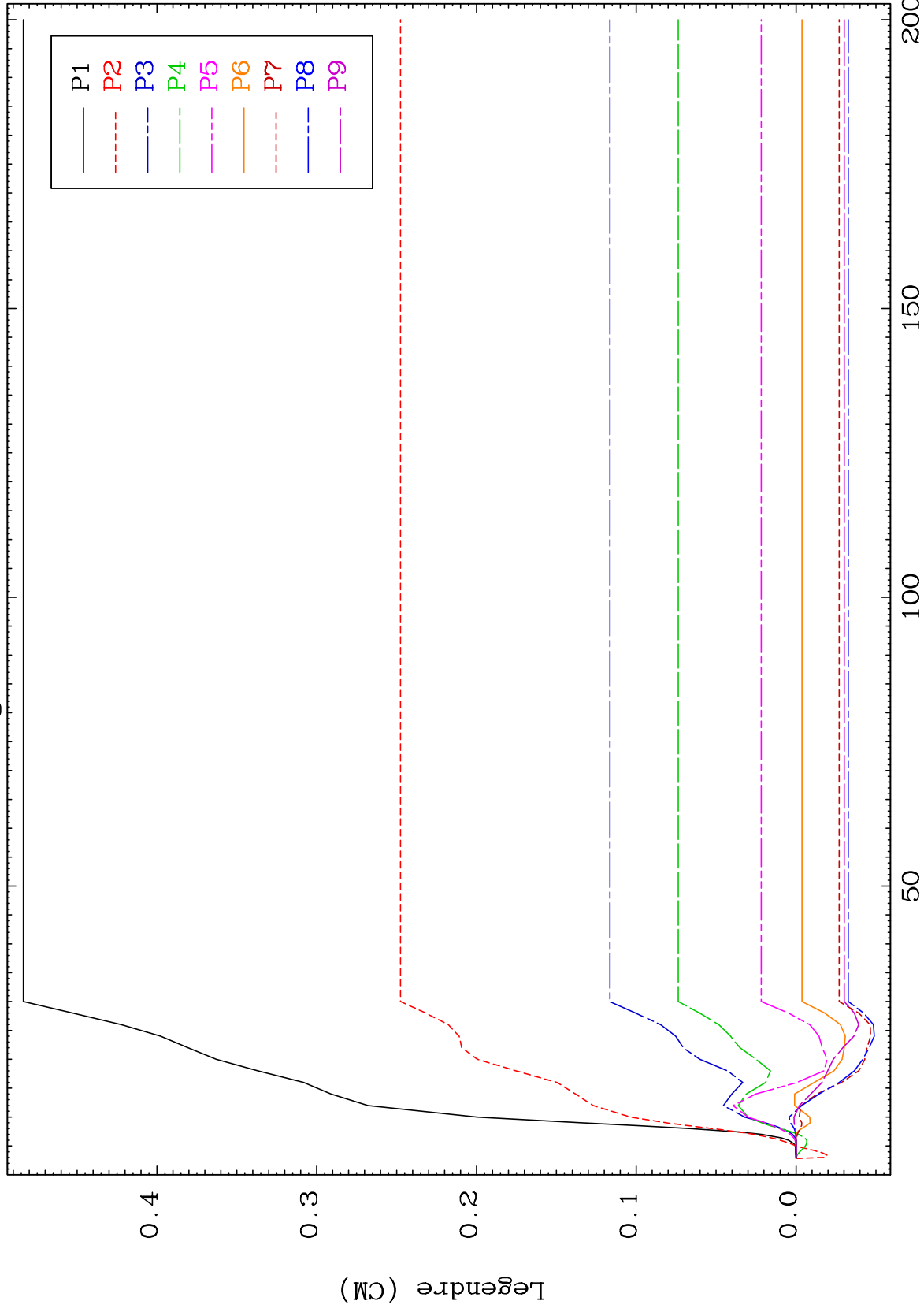
34-Se-85



MAT 3458

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

<sup>34</sup>Se-85



80

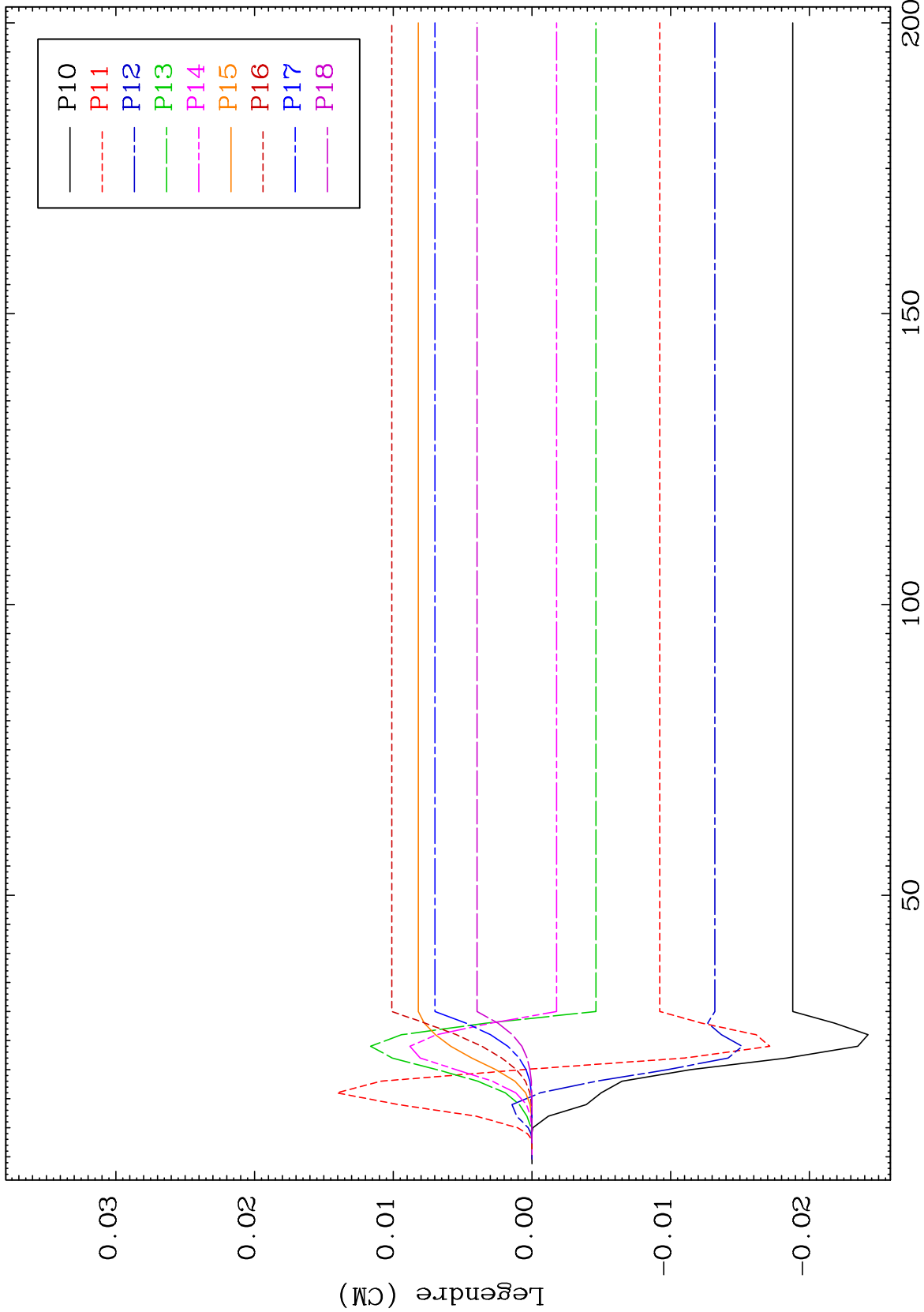
Incident Energy (MeV)

<sup>34</sup>Se-85

MAT 3458

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

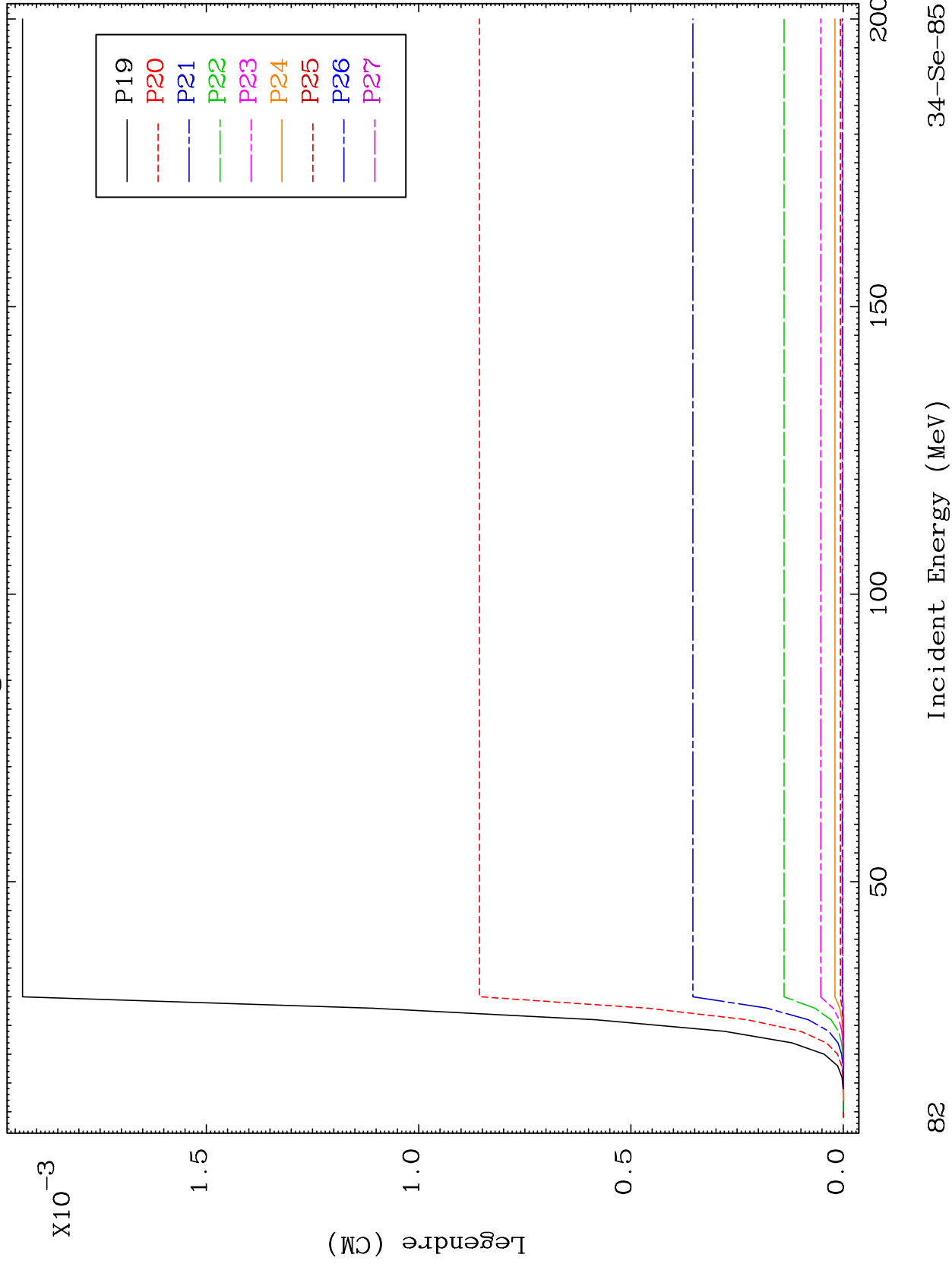
<sup>34</sup>Se-85



MAT 3458

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

<sup>34</sup>Se-85



82

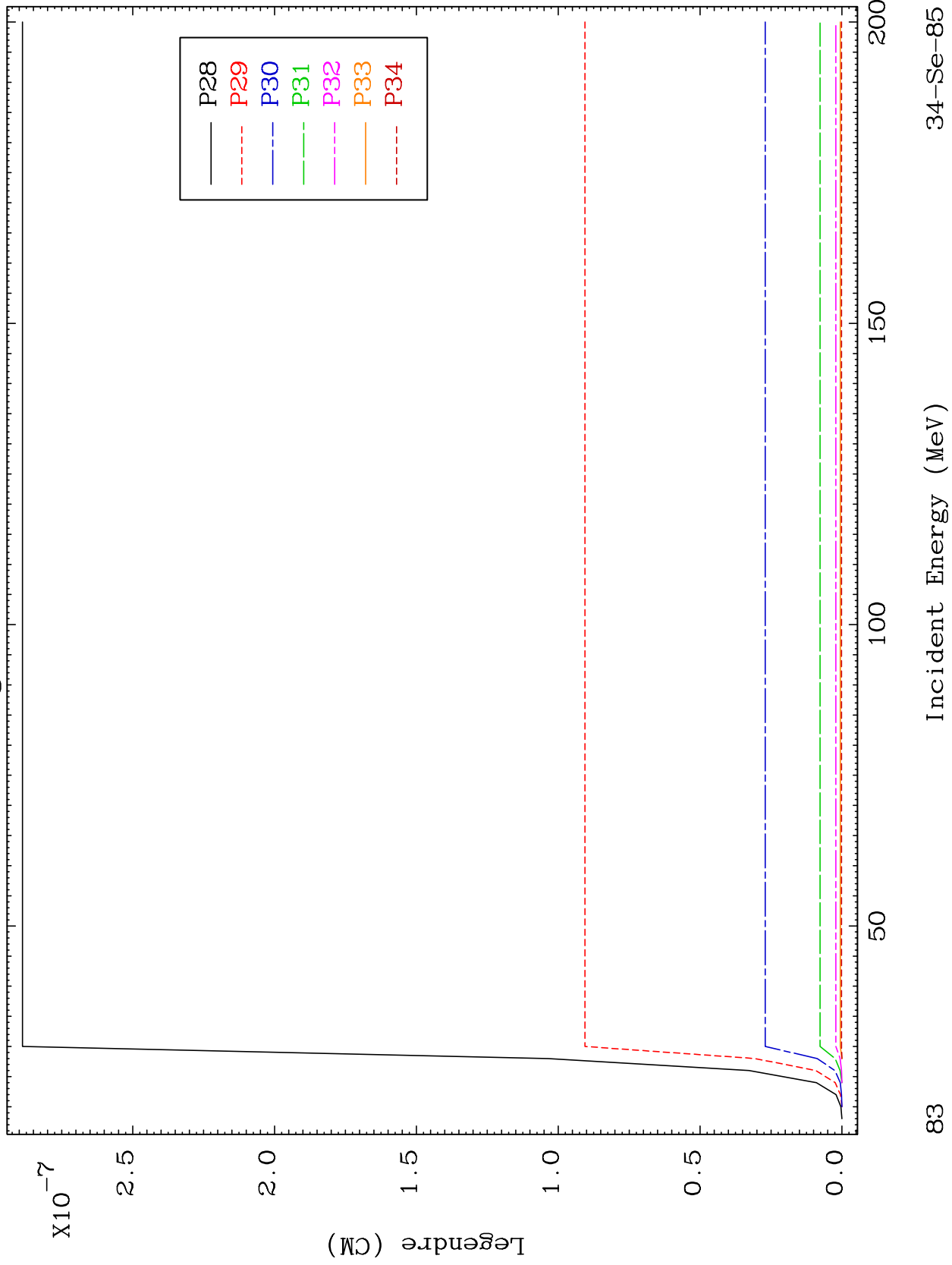
Incident Energy (MeV)

<sup>34</sup>Se-85

MAT 3458

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

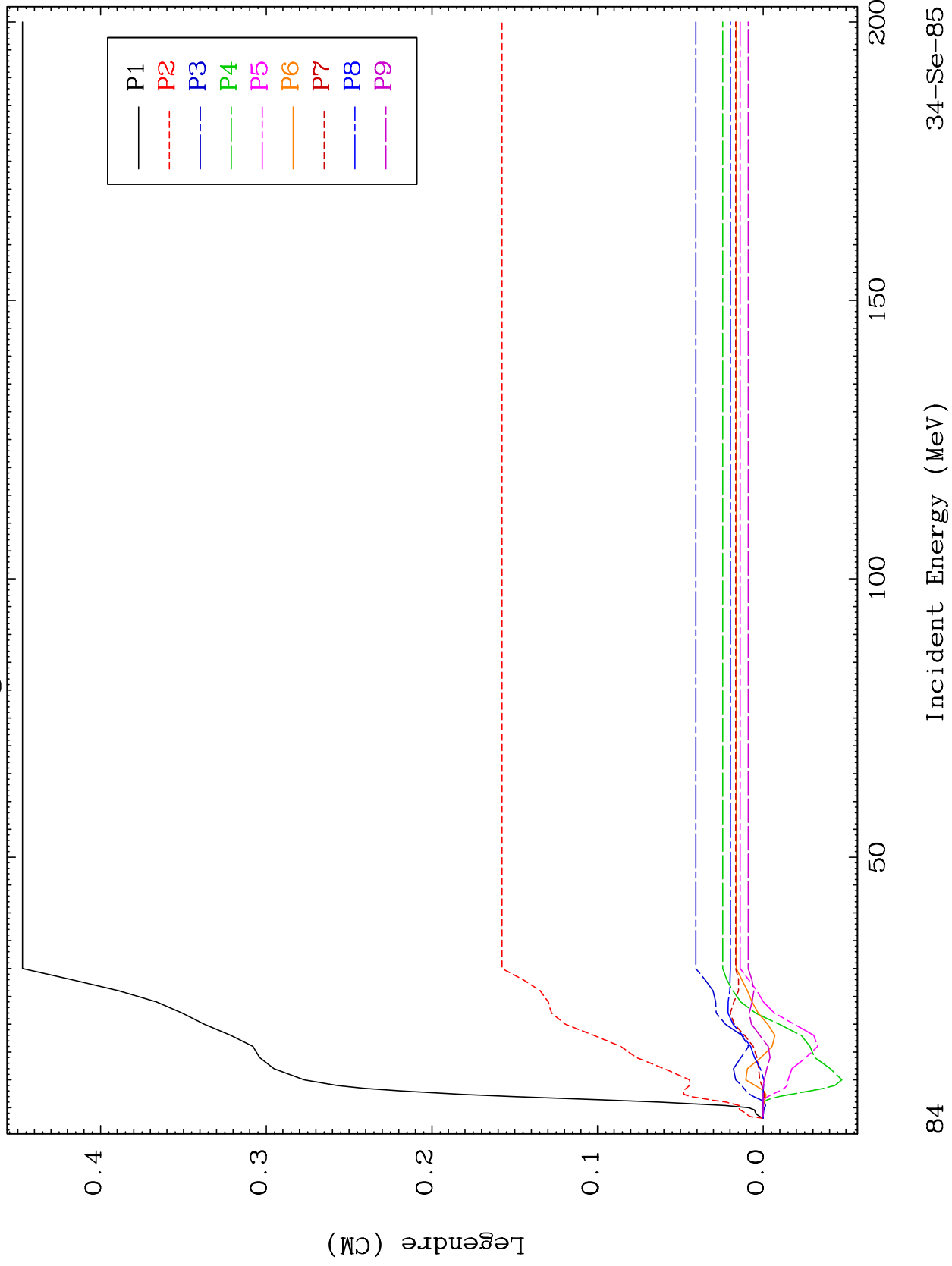
34-Se-85



MAT 3458

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

<sup>34</sup>Se-85



84

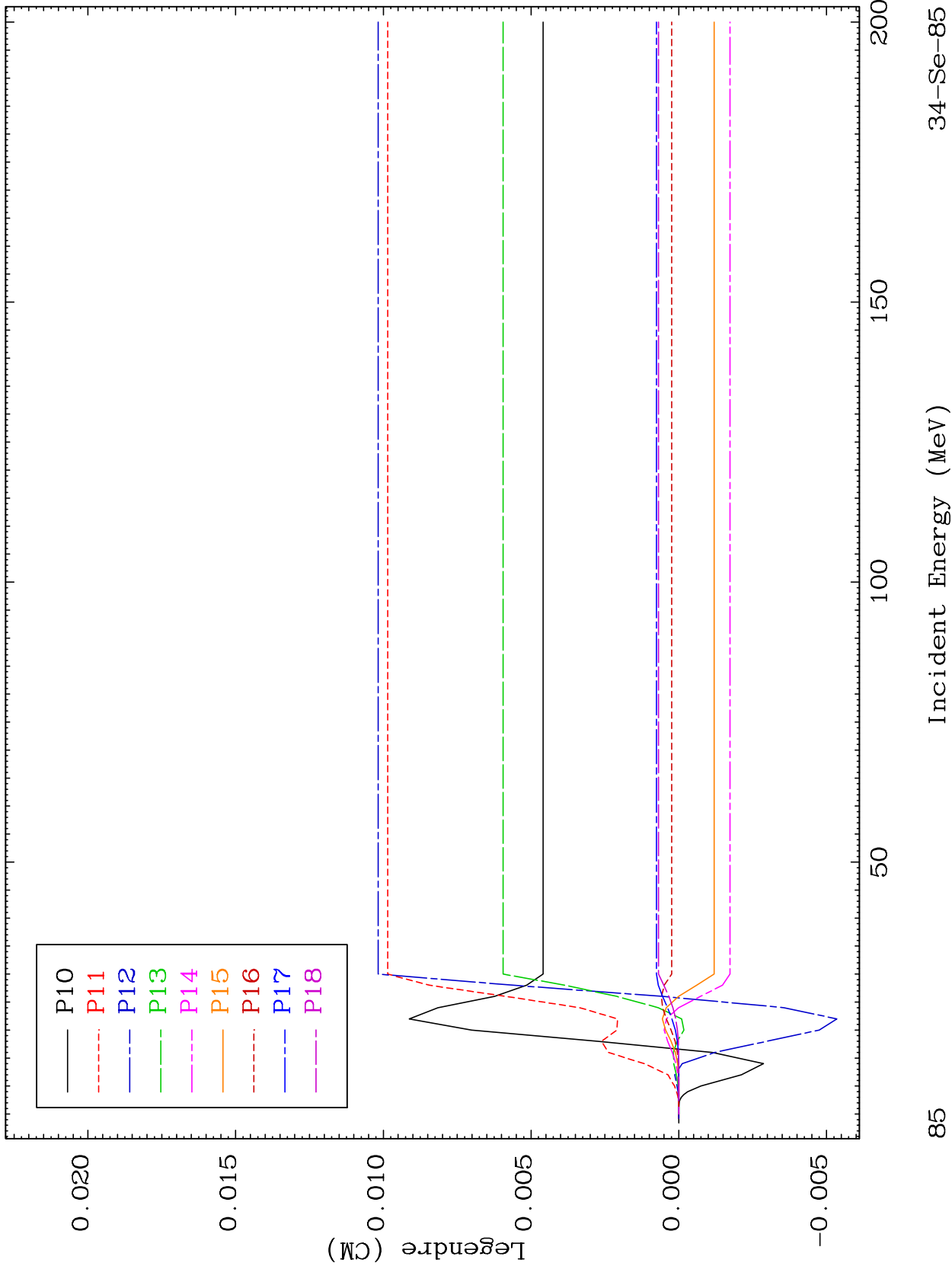
Incident Energy (MeV)

<sup>34</sup>Se-85

MAT 3458

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

34-Se-85



85

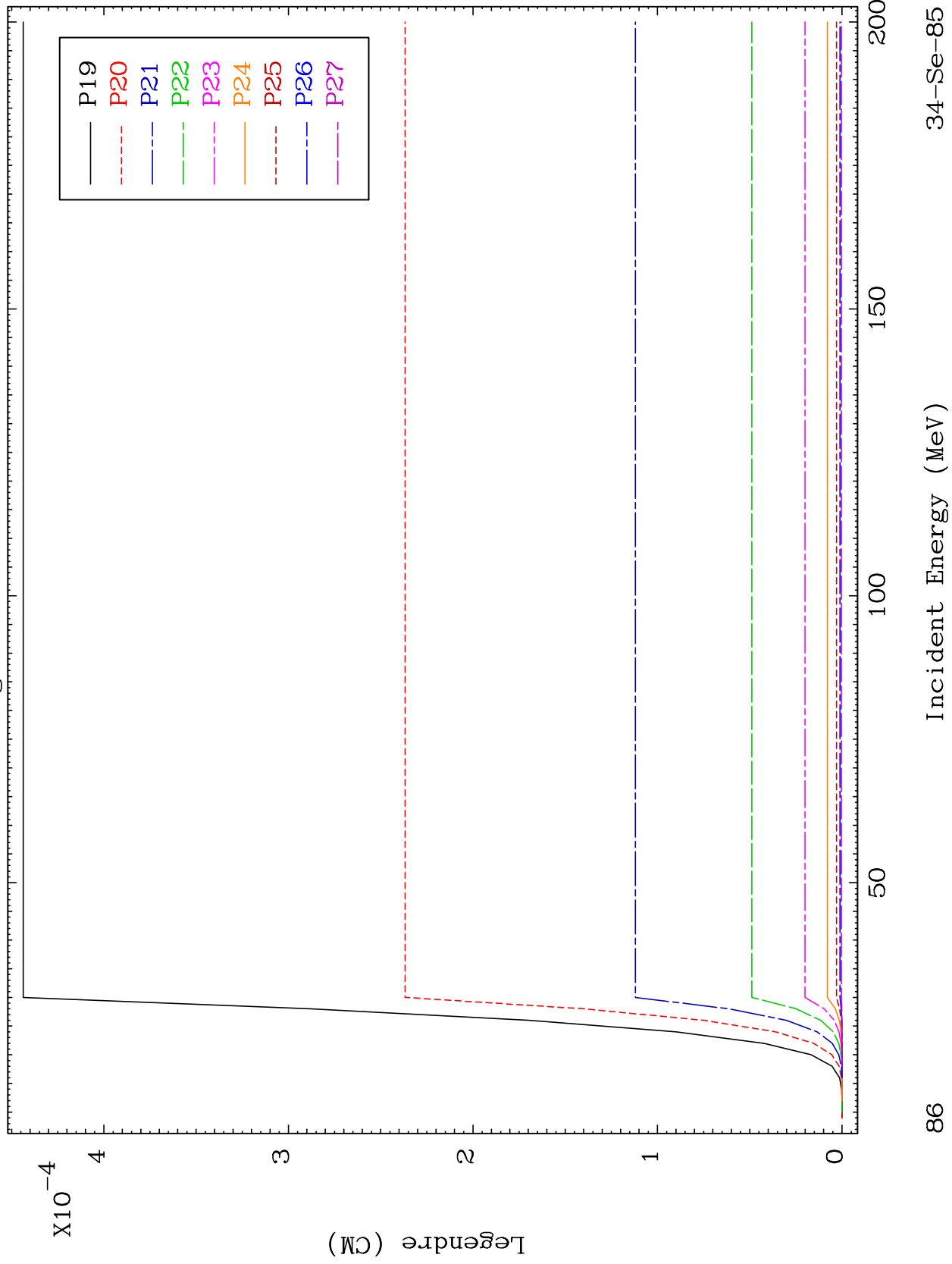
Incident Energy (MeV)

34-Se-85

MAT 3458

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

34-Se-85



86

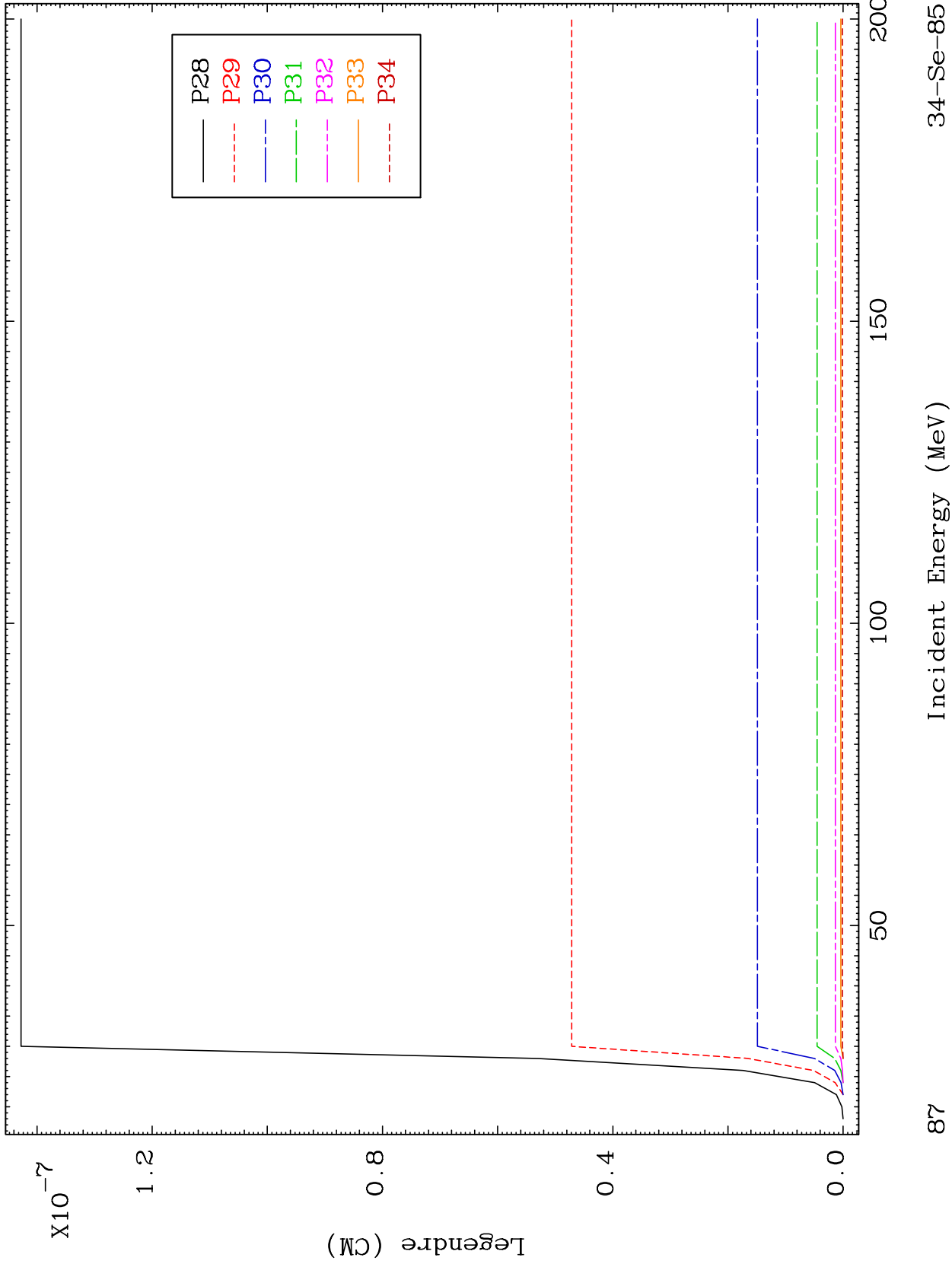
Incident Energy (MeV)

34-Se-85

MAT 3458

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

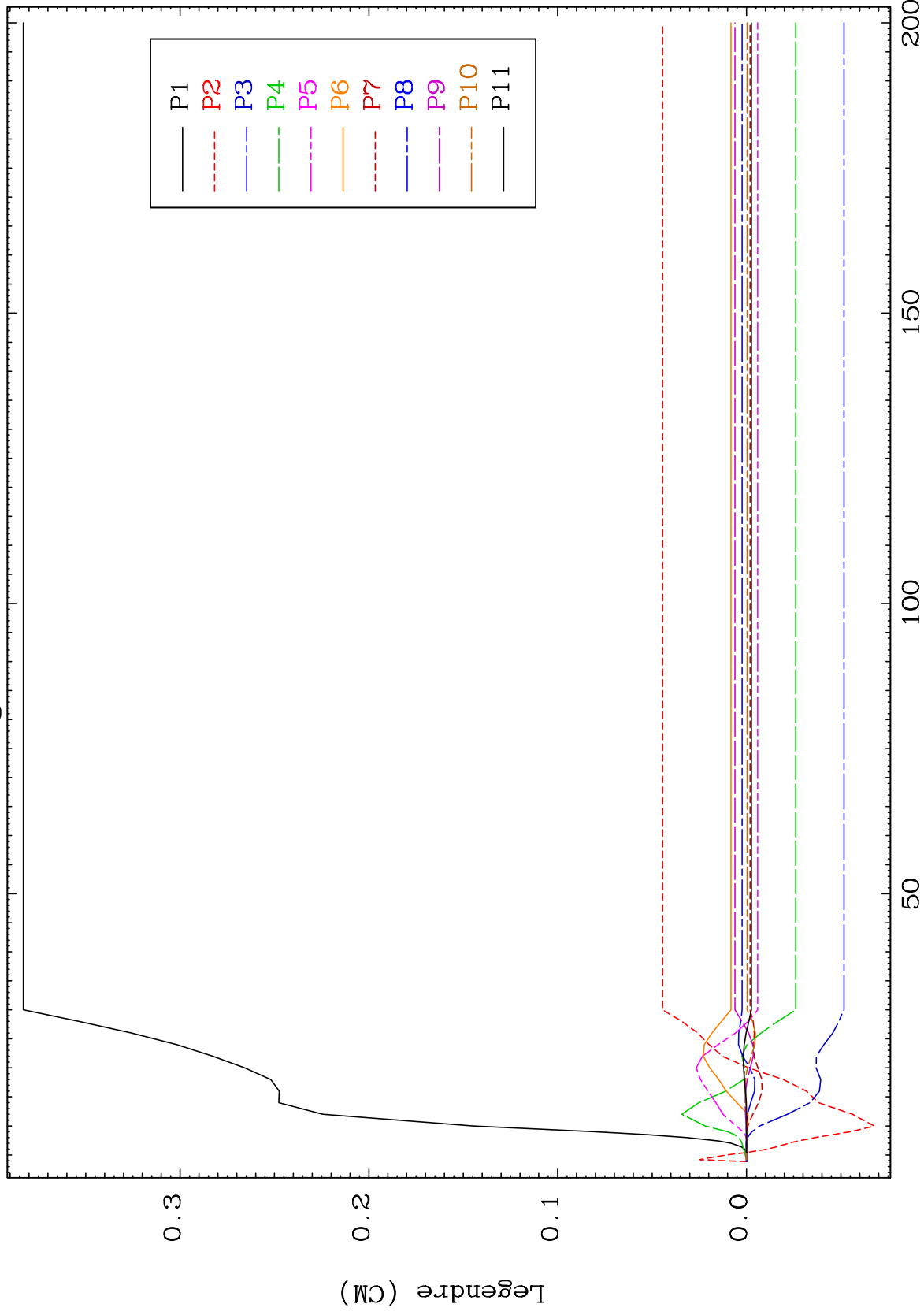
34-Se-85



MAT 3458

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

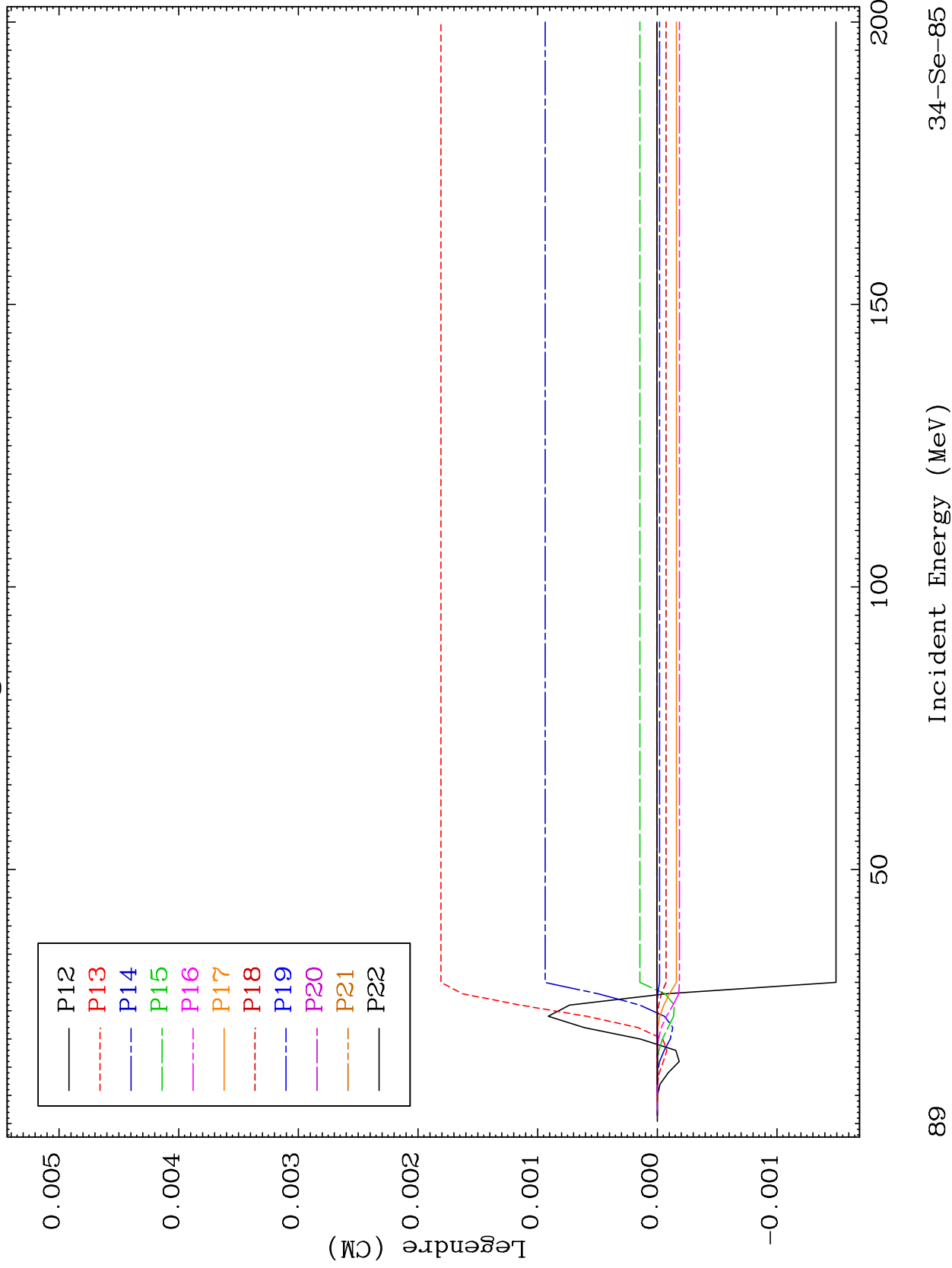
34-Se-85



88

Incident Energy (MeV)

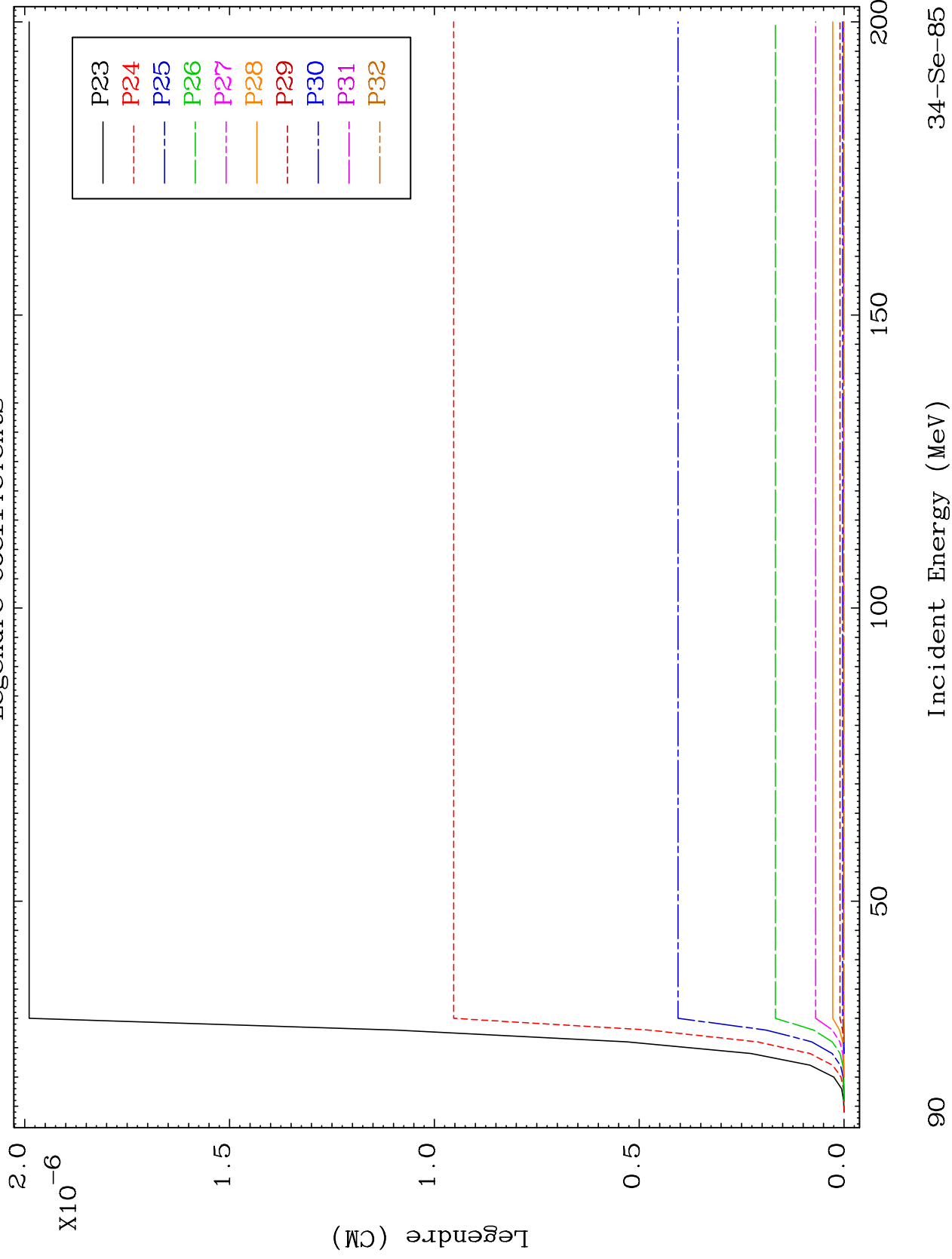
34-Se-85



MAT 3458

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

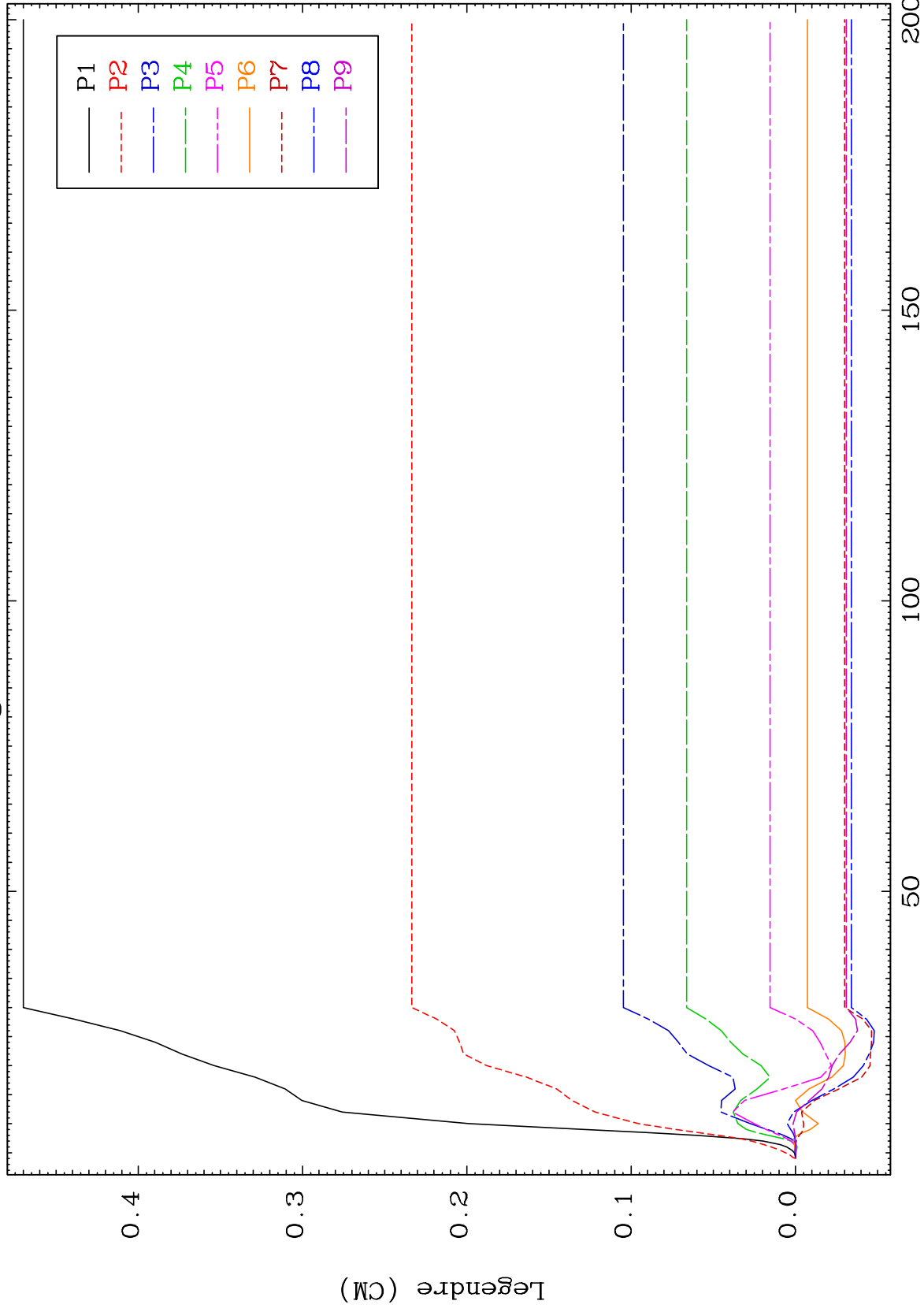
<sup>34</sup>Se-85



MAT 3458

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

<sup>34</sup>Se-85



91

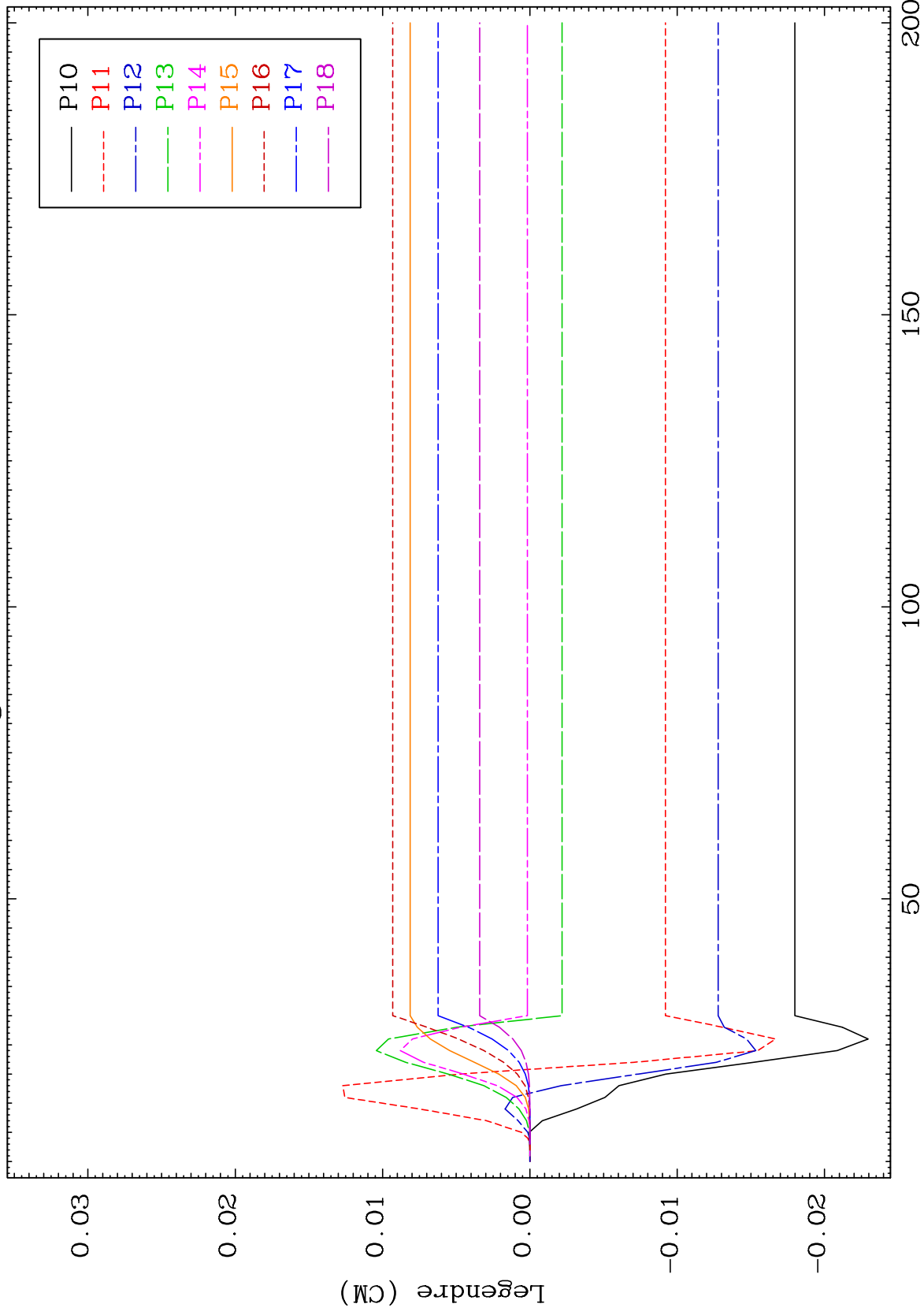
Incident Energy (MeV)

<sup>34</sup>Se-85

MAT 3458

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

34-Se-85



92

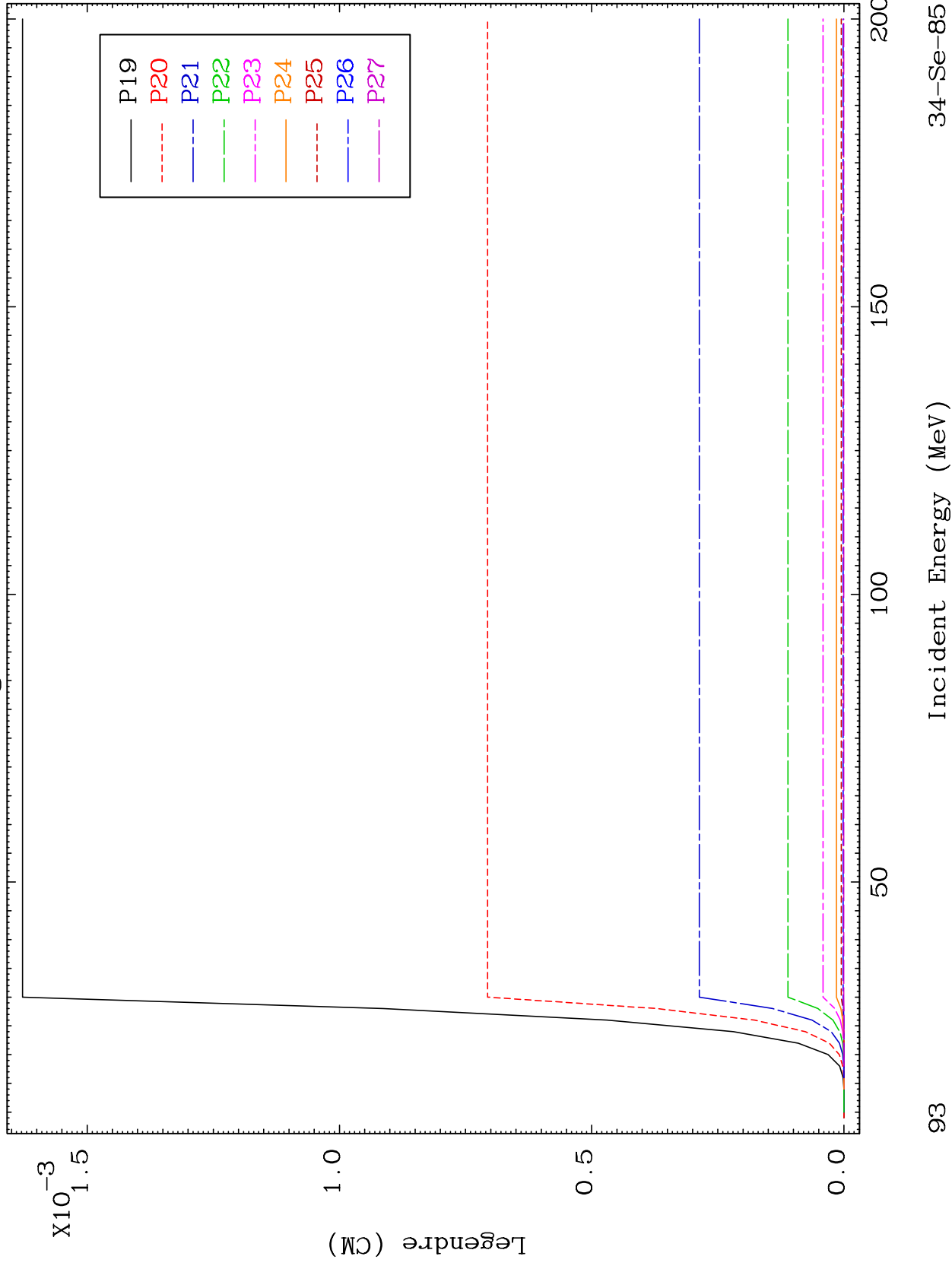
Incident Energy (MeV)

34-Se-85

MAT 3458

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

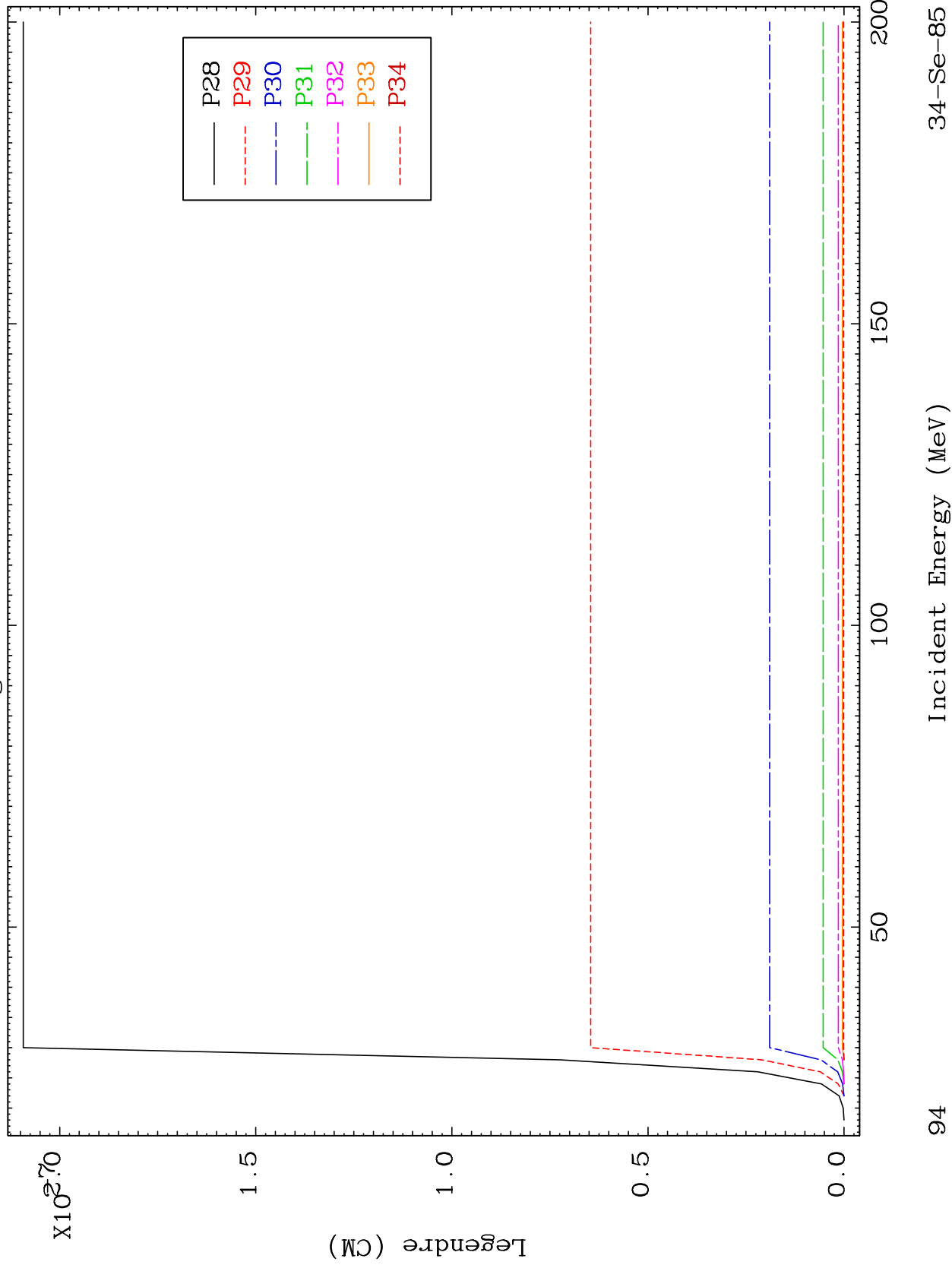
34-Se-85

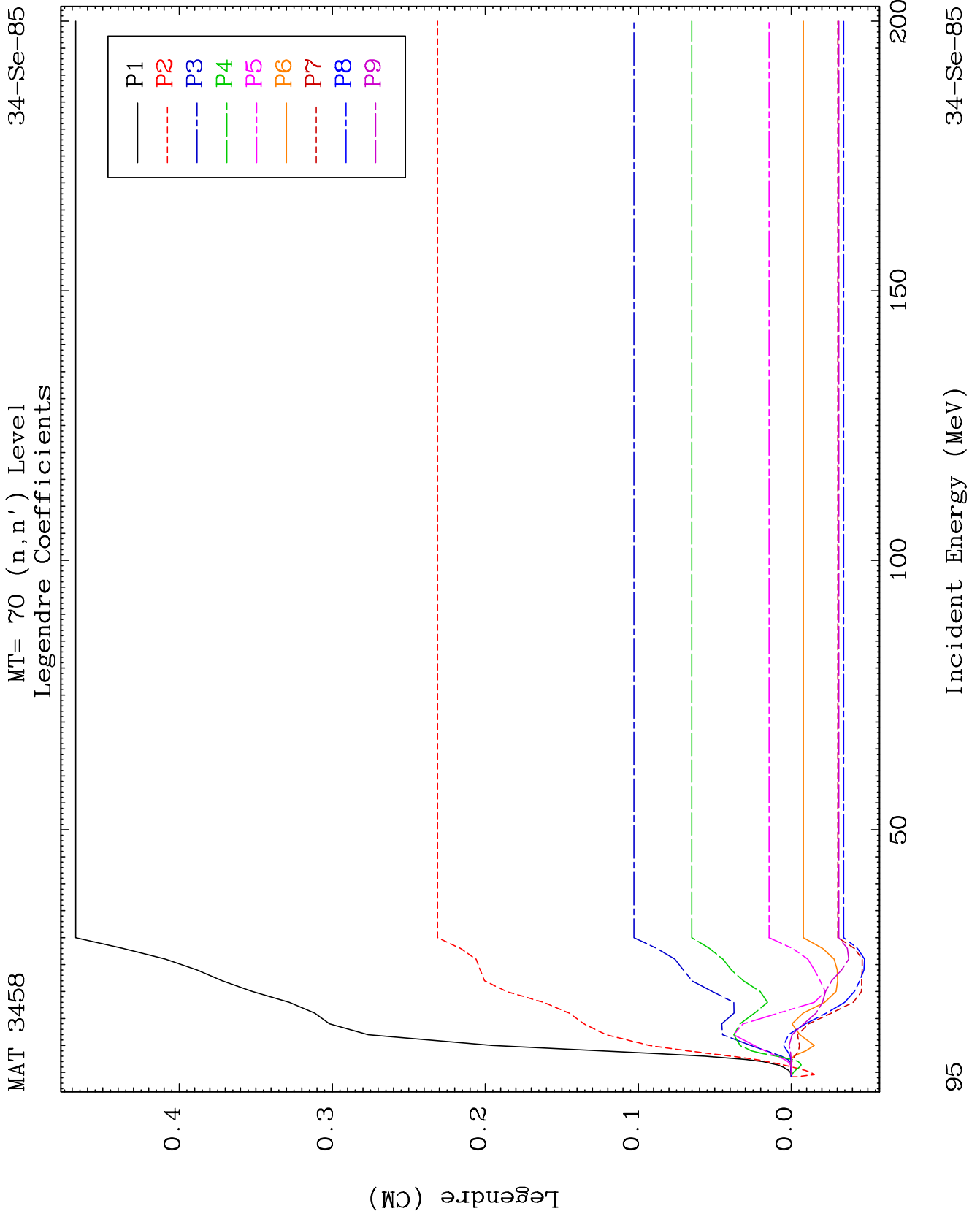


MAT 3458

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

34-Se-85

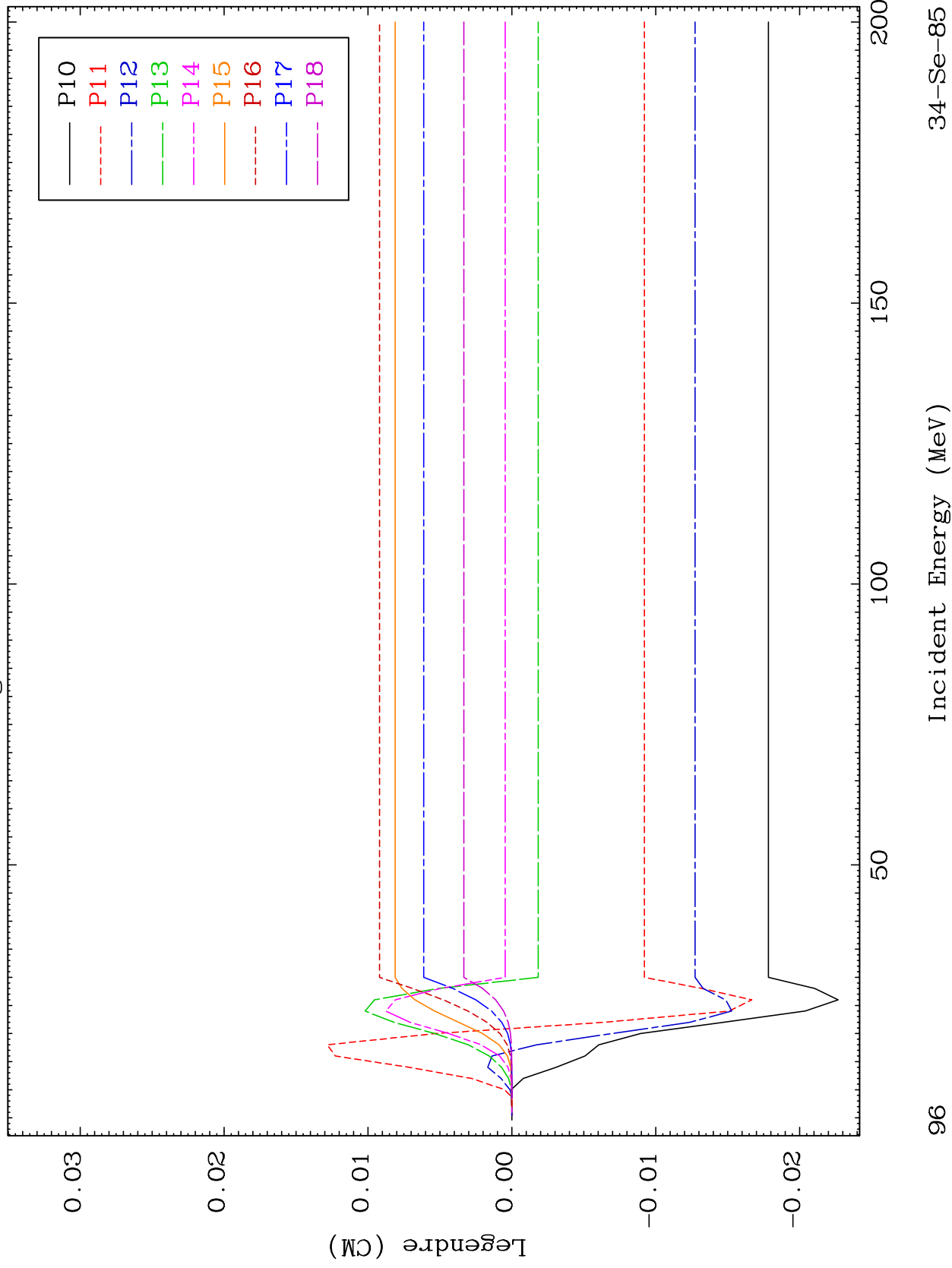




MAT 3458

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

<sup>34</sup>Se-85



96

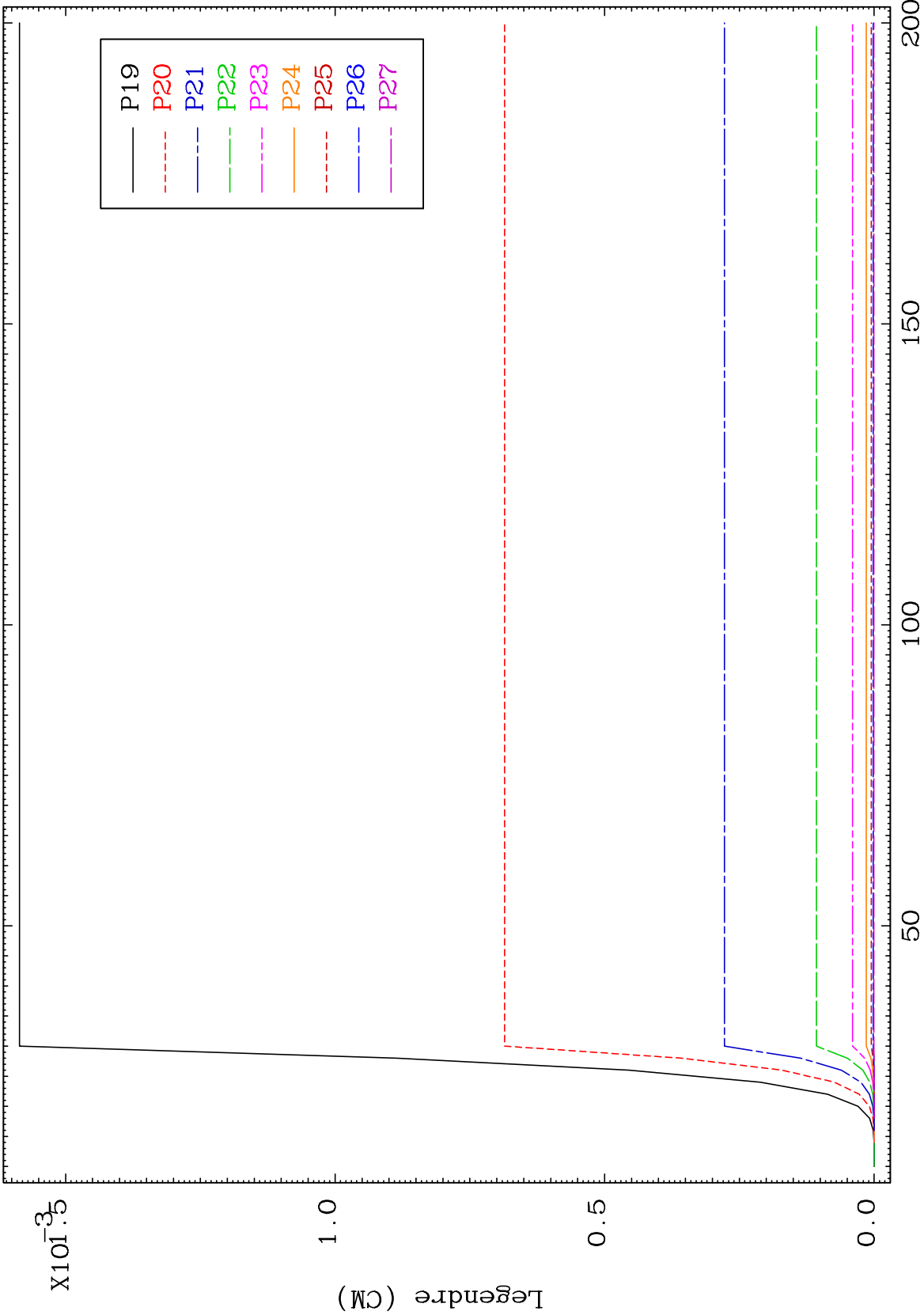
Incident Energy (MeV)

<sup>34</sup>Se-85

MAT 3458

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

34-Se-85



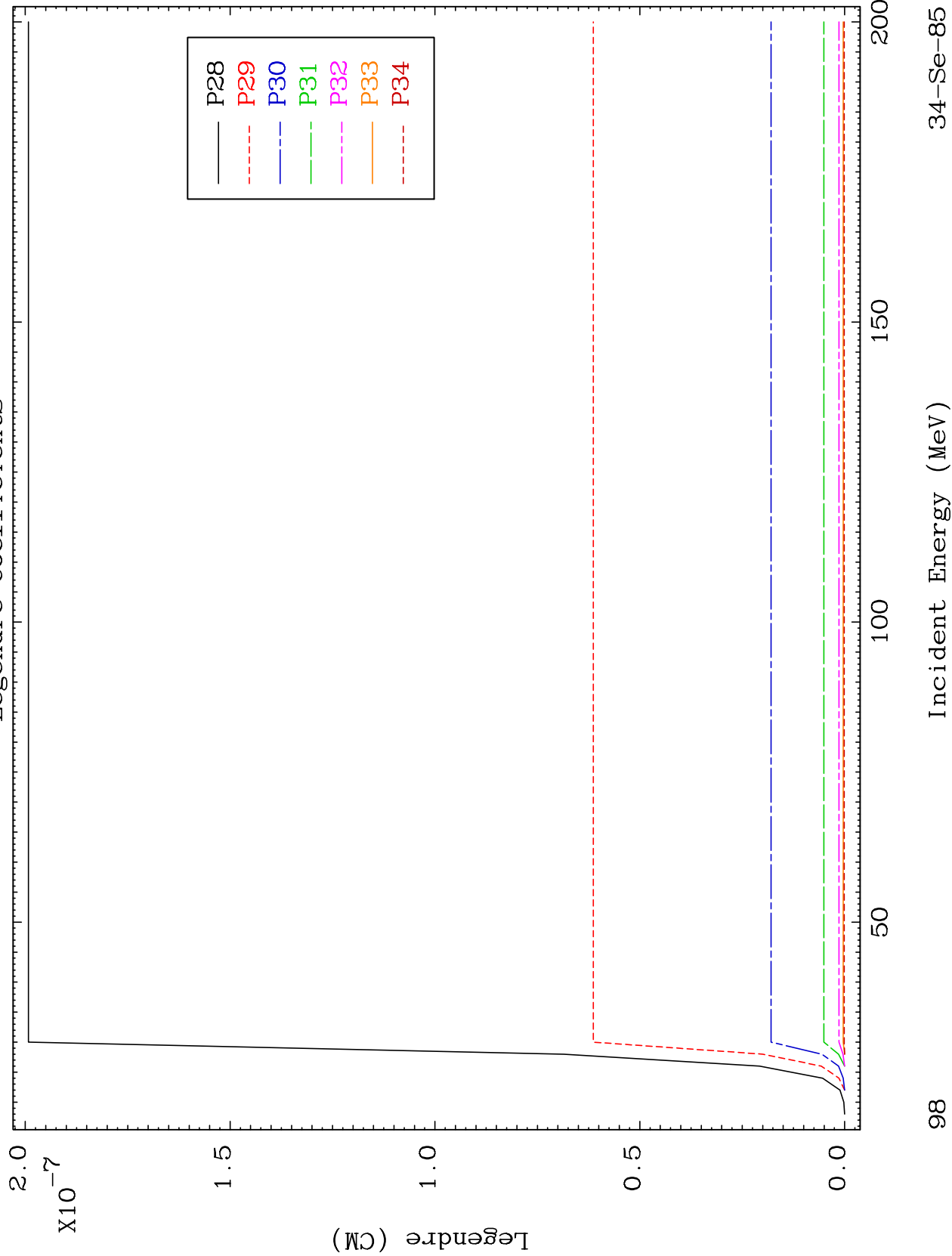
97

34-Se-85

MAT 3458

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

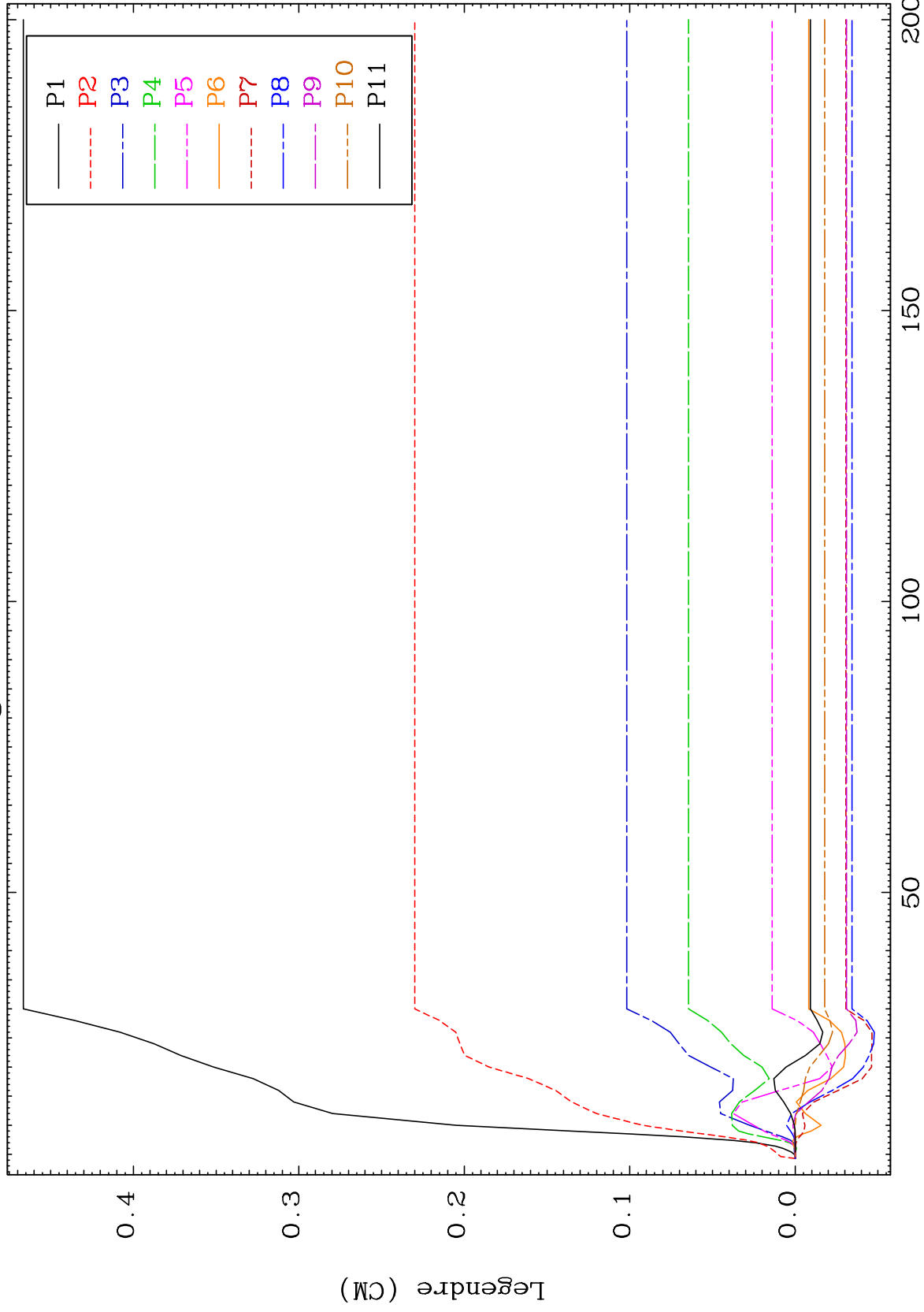
34-Se-85



MAT 3458

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

<sup>34</sup>Se-85



99

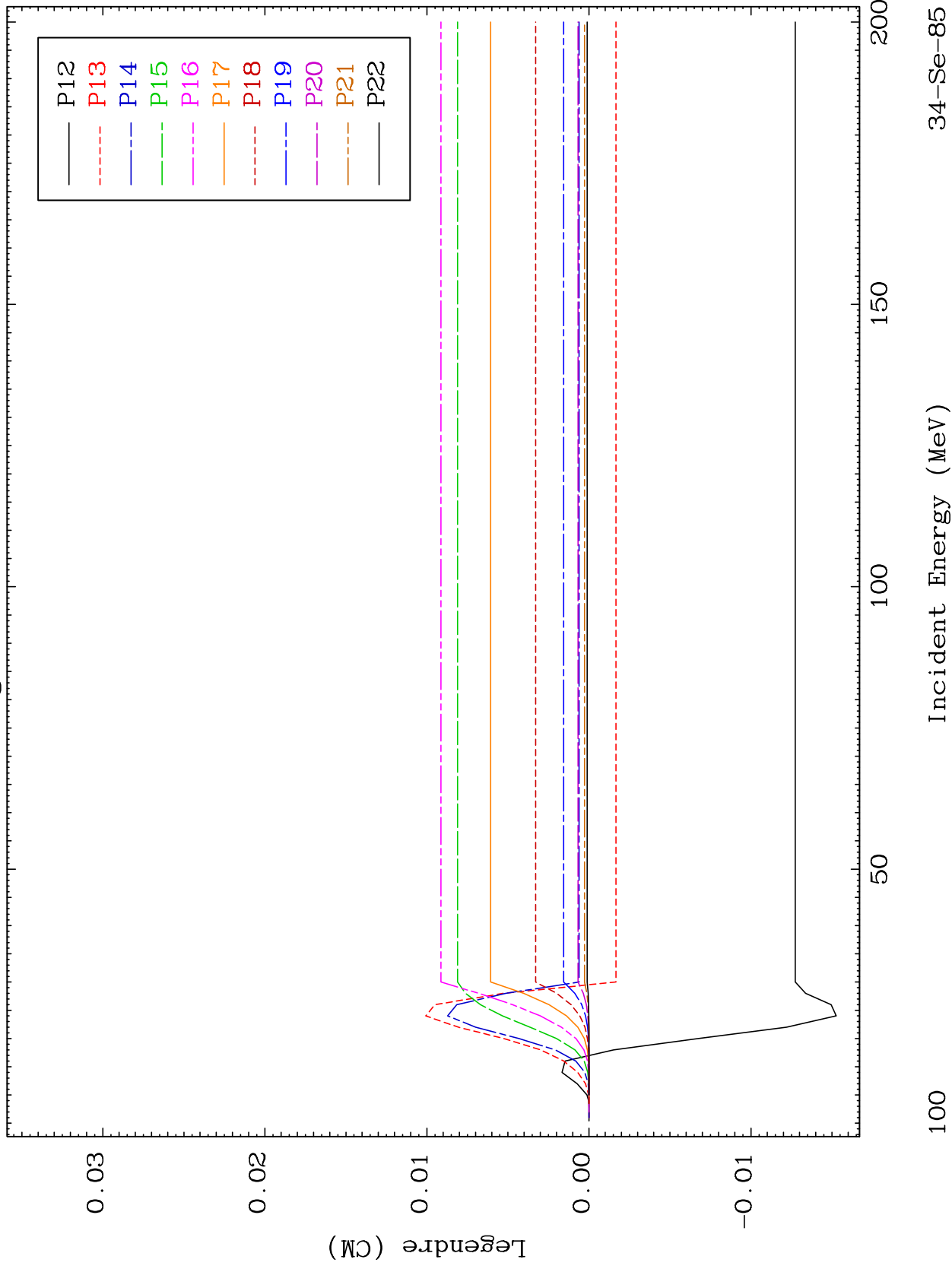
Incident Energy (MeV)

<sup>34</sup>Se-85

MAT 3458

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

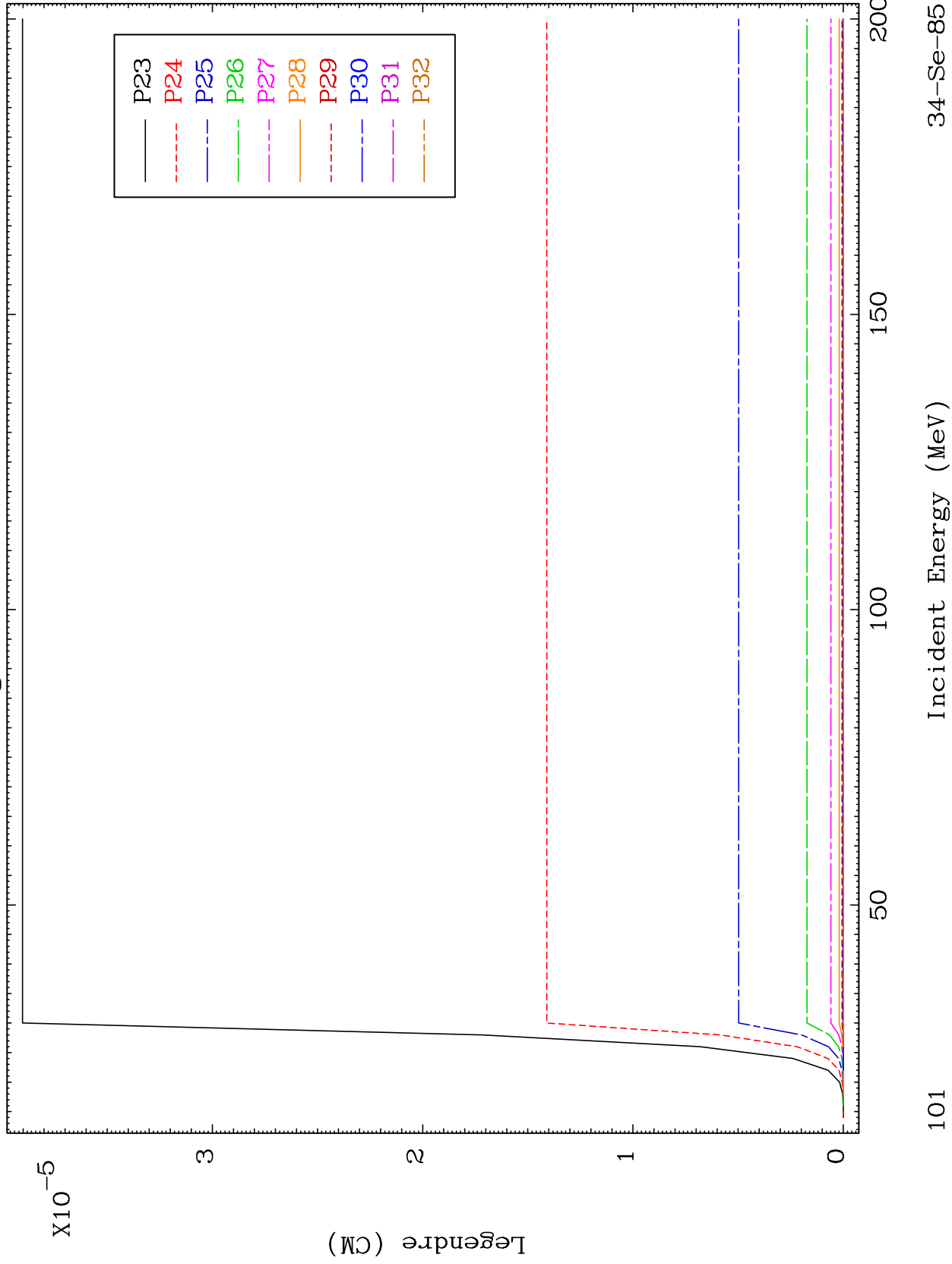
34-Se-85



MAT 3458

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

<sup>34</sup>Se-85



101

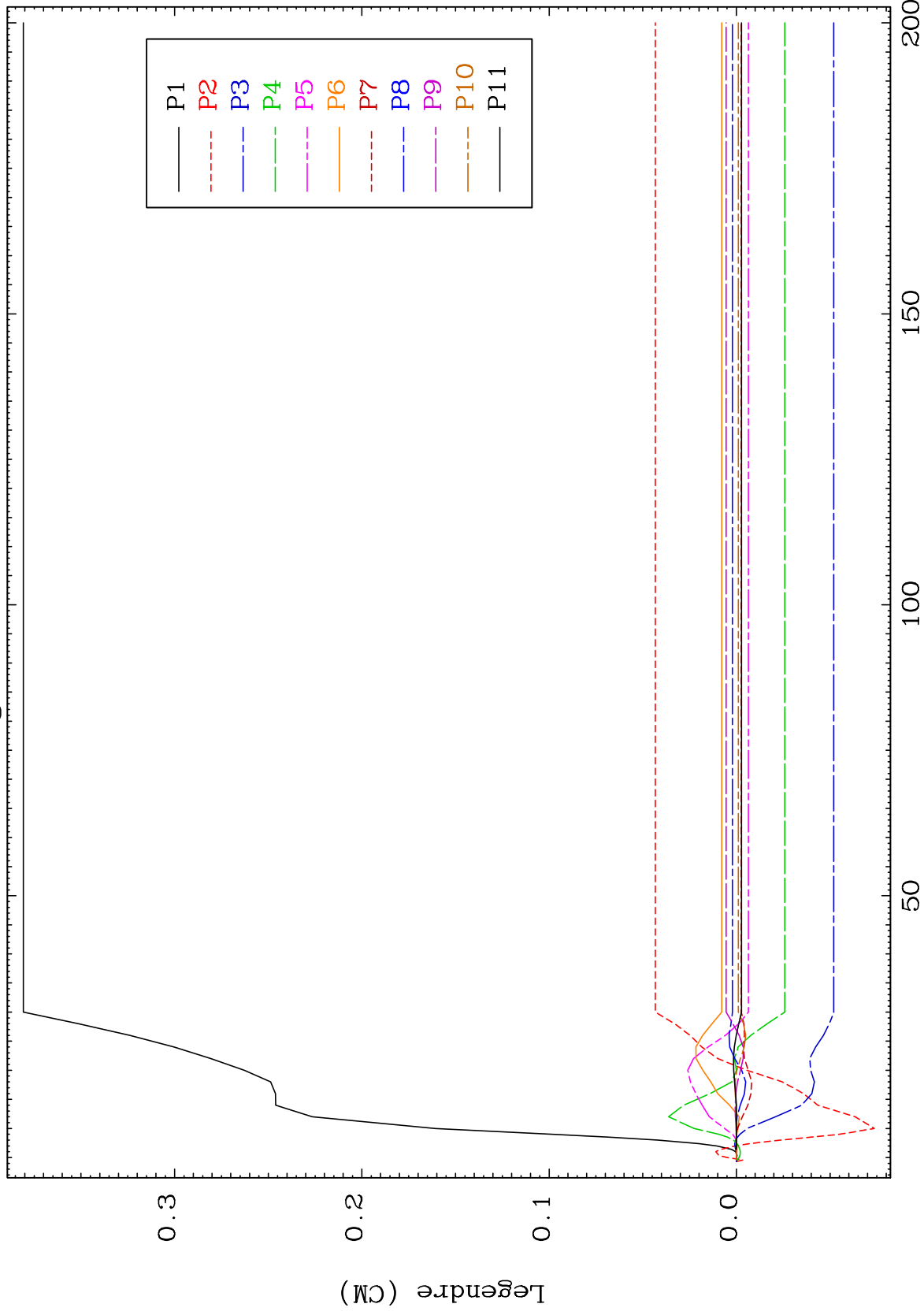
Incident Energy (MeV)

<sup>34</sup>Se-85

MAT 3458

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

34-Se-85



102

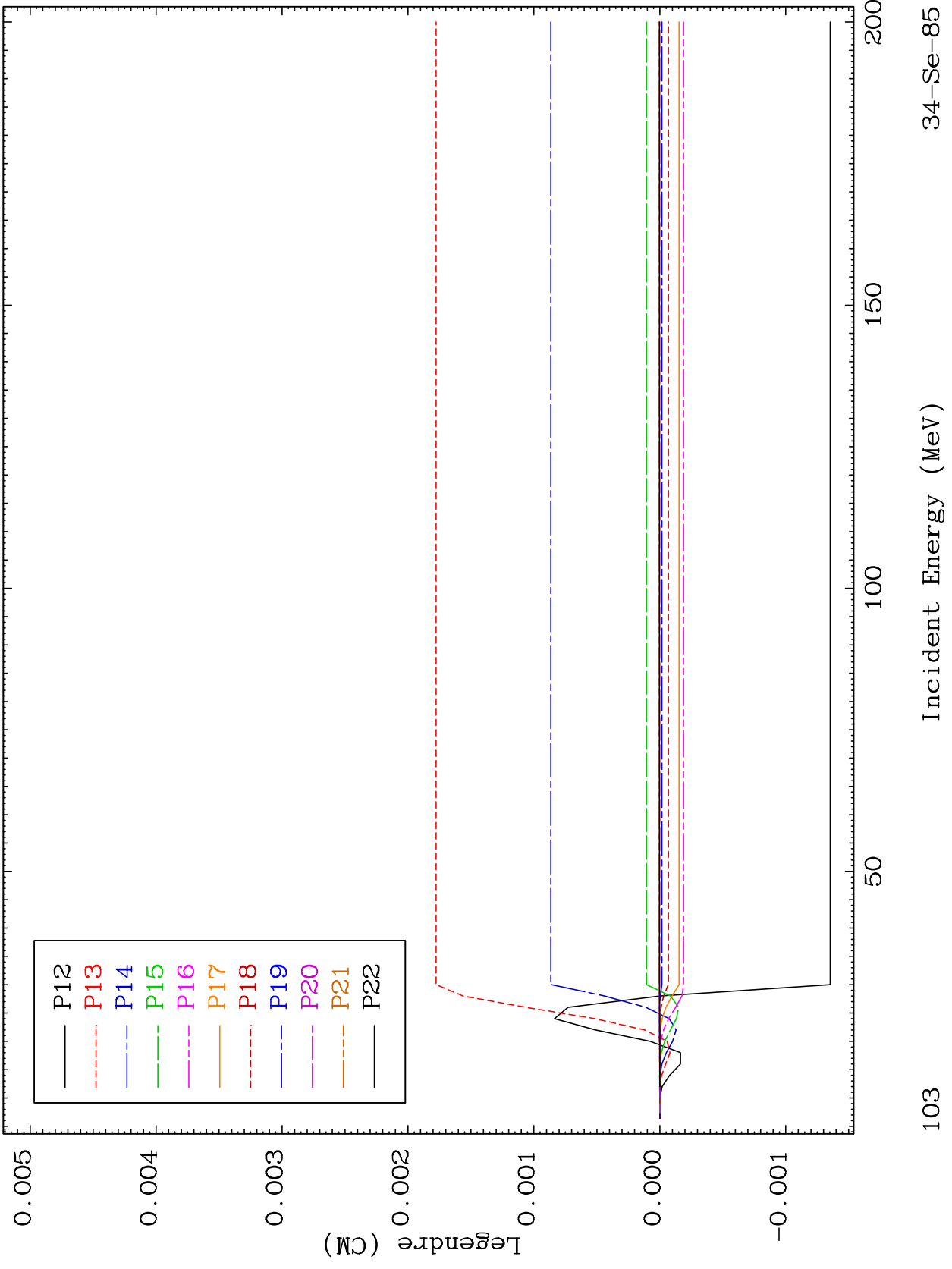
Incident Energy (MeV)

34-Se-85

MAT 3458

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

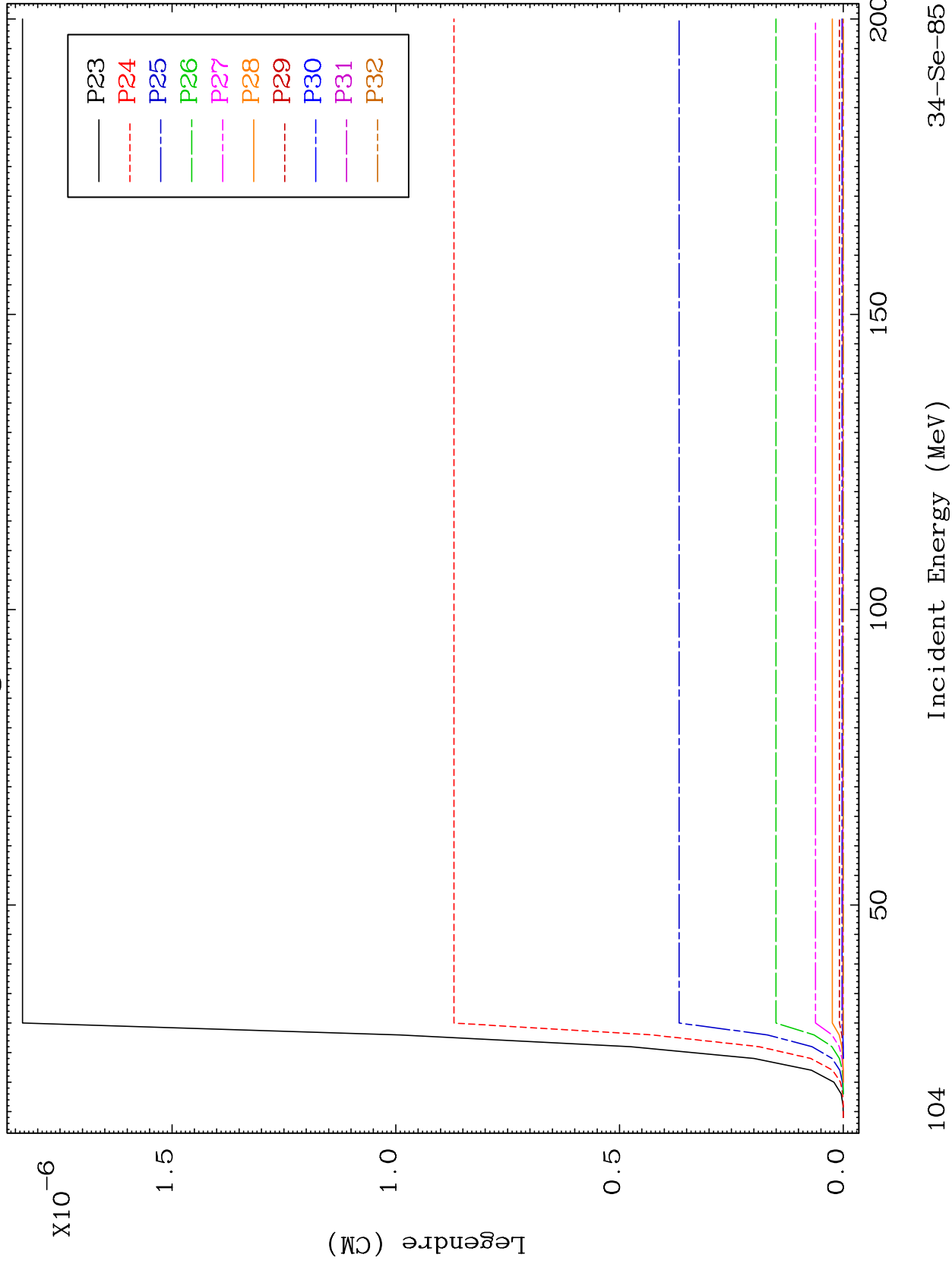
34-Se-85



MAT 3458

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

34-Se-85



104

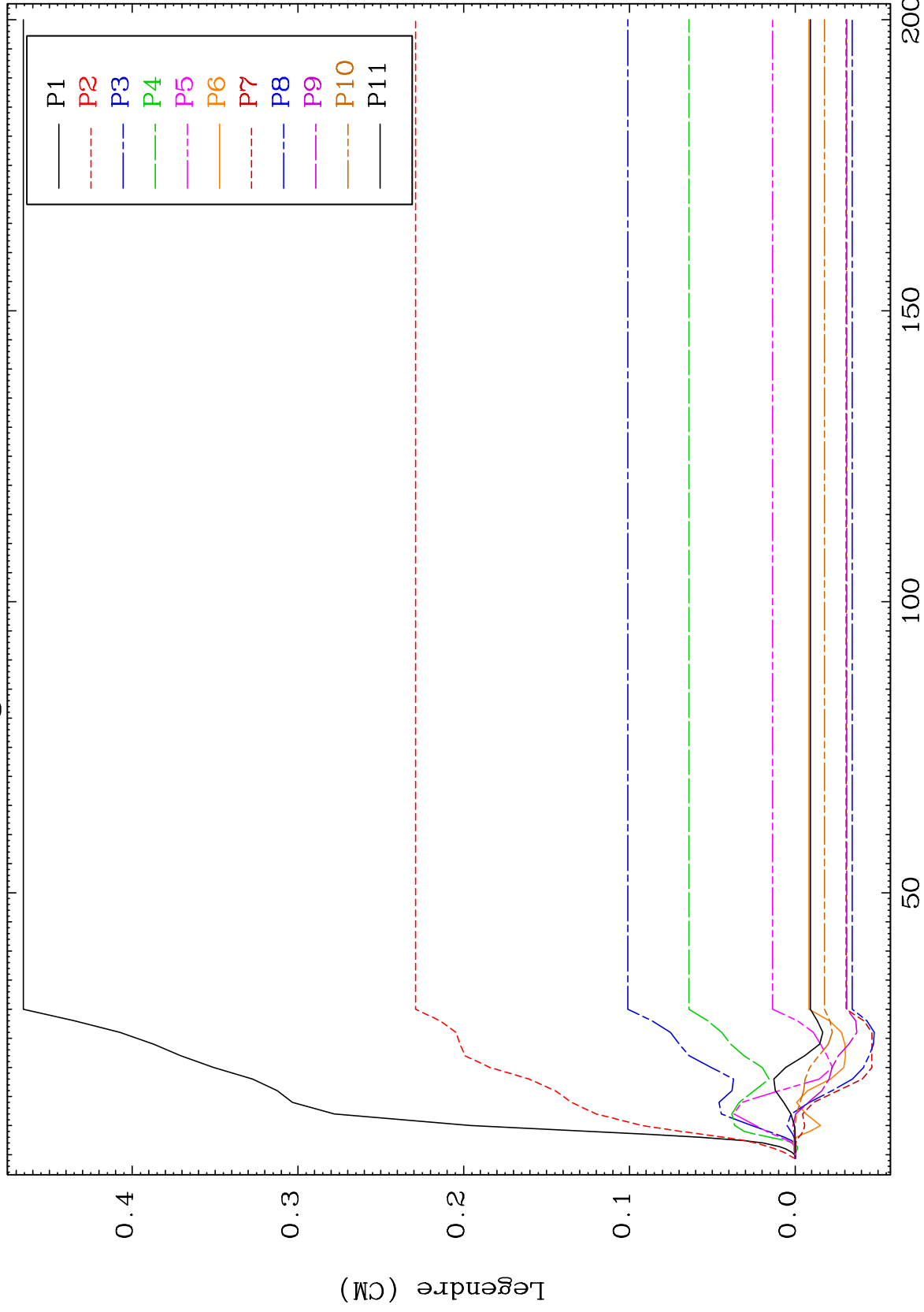
Incident Energy (MeV)

34-Se-85

MAT 3458

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

<sup>34</sup>Se-85



105

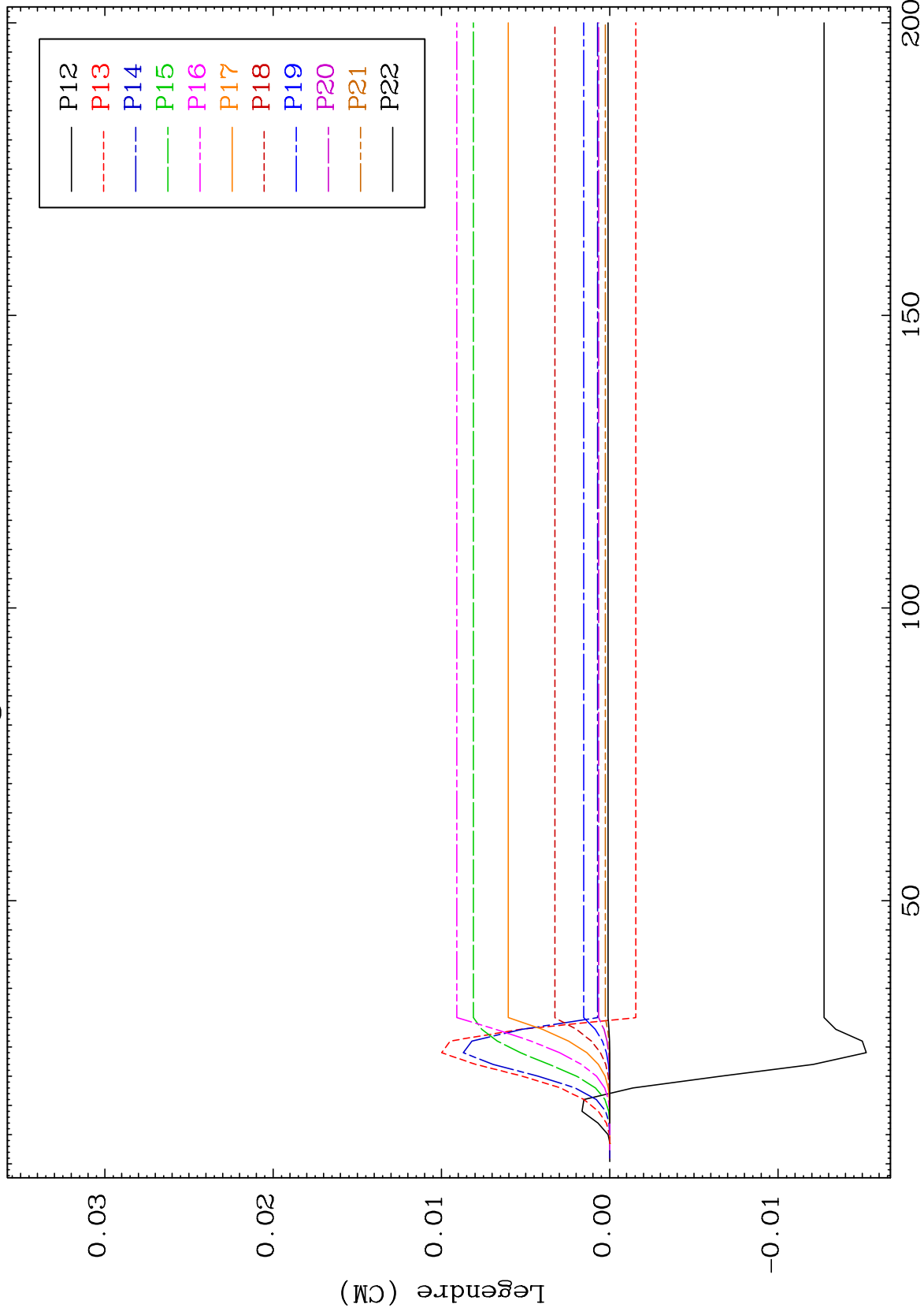
Incident Energy (MeV)

<sup>34</sup>Se-85

MAT 3458

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

34-Se-85



106

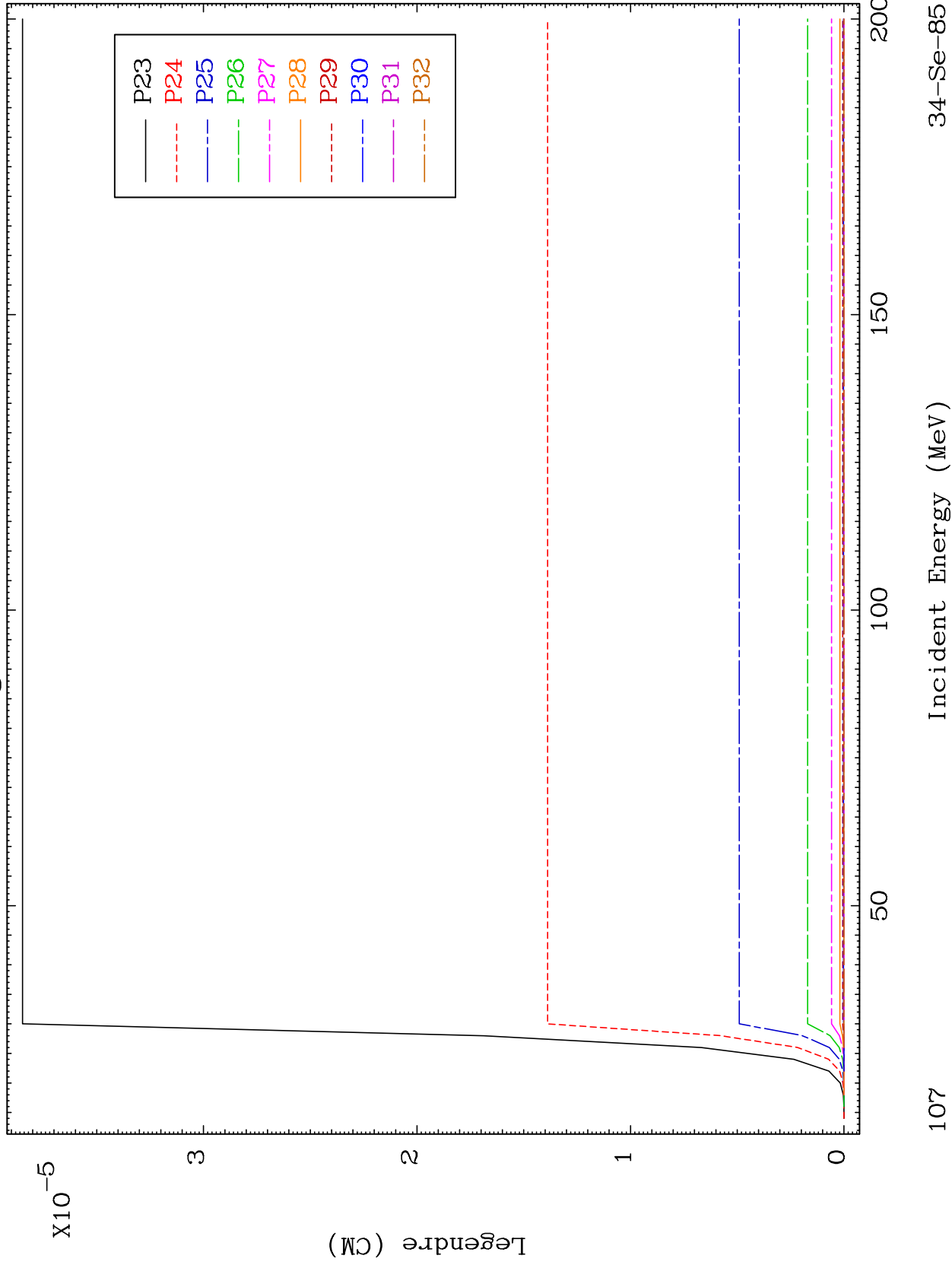
Incident Energy (MeV)

34-Se-85

MAT 3458

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

<sup>34</sup>Se-85



107

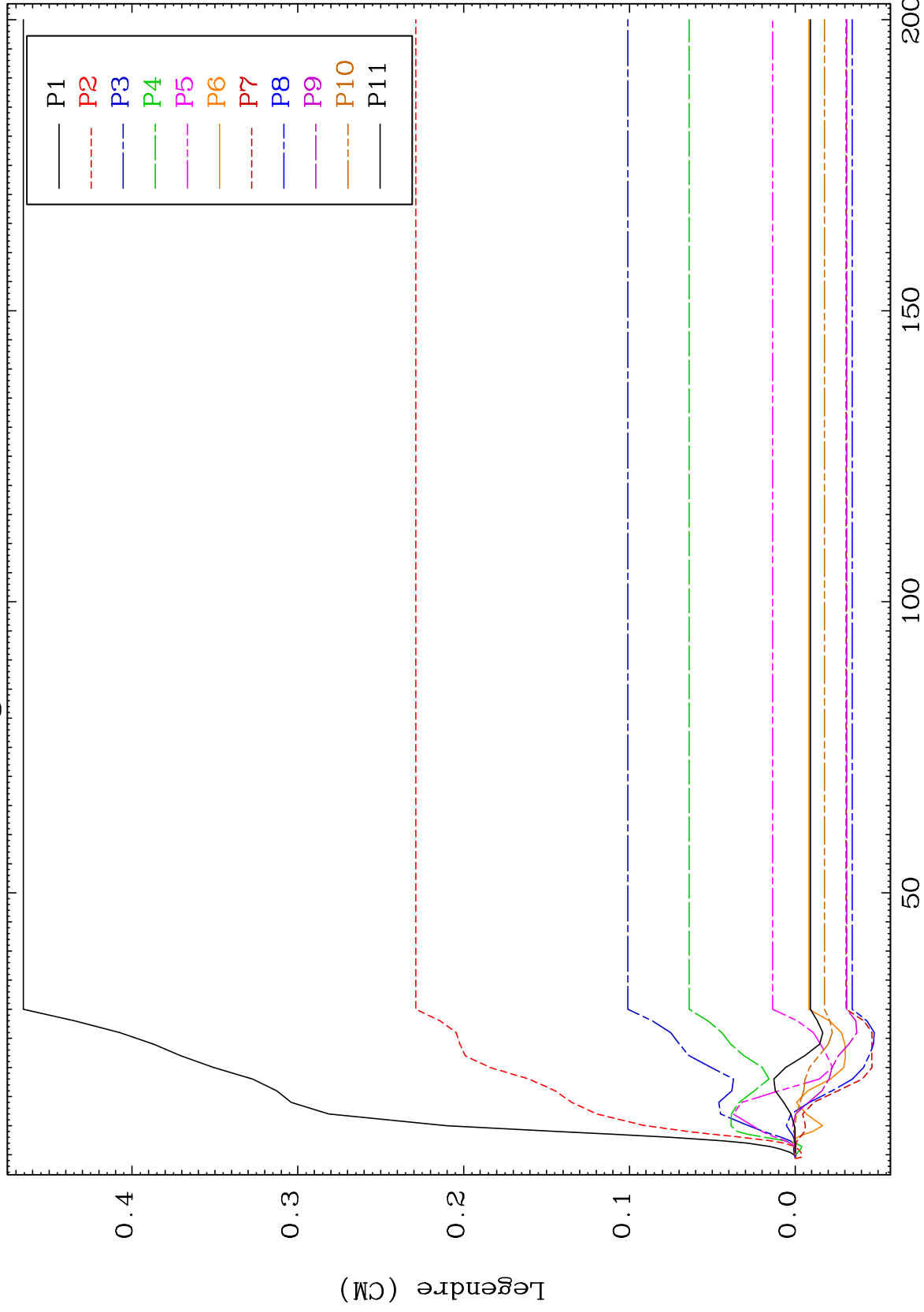
Incident Energy (MeV)

<sup>34</sup>Se-85

MAT 3458

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

<sup>34</sup>Se-85



108

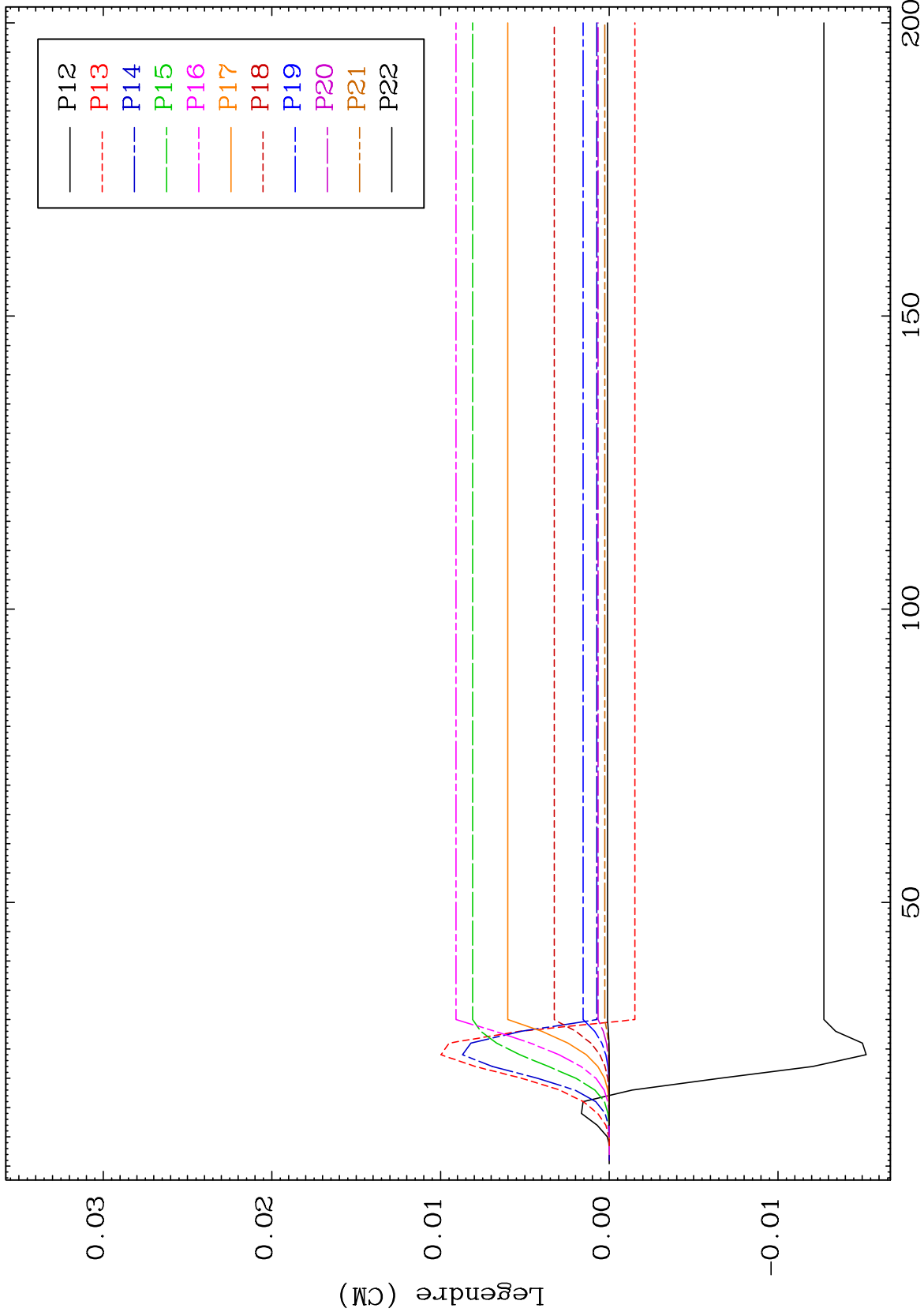
Incident Energy (MeV)

<sup>34</sup>Se-85

MAT 3458

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

<sup>34</sup>Se-85



109

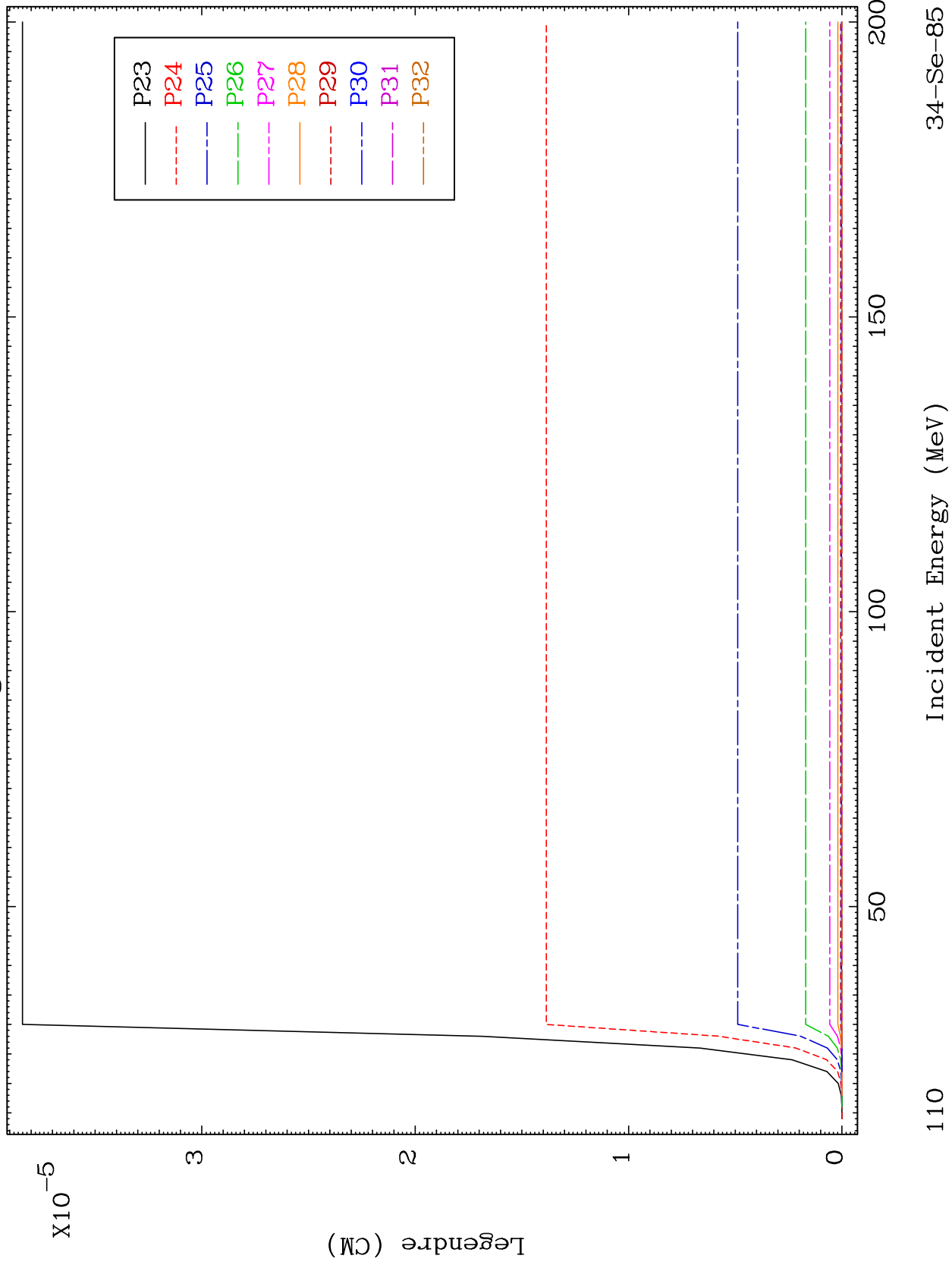
Incident Energy (MeV)

<sup>34</sup>Se-85

MAT 3458

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

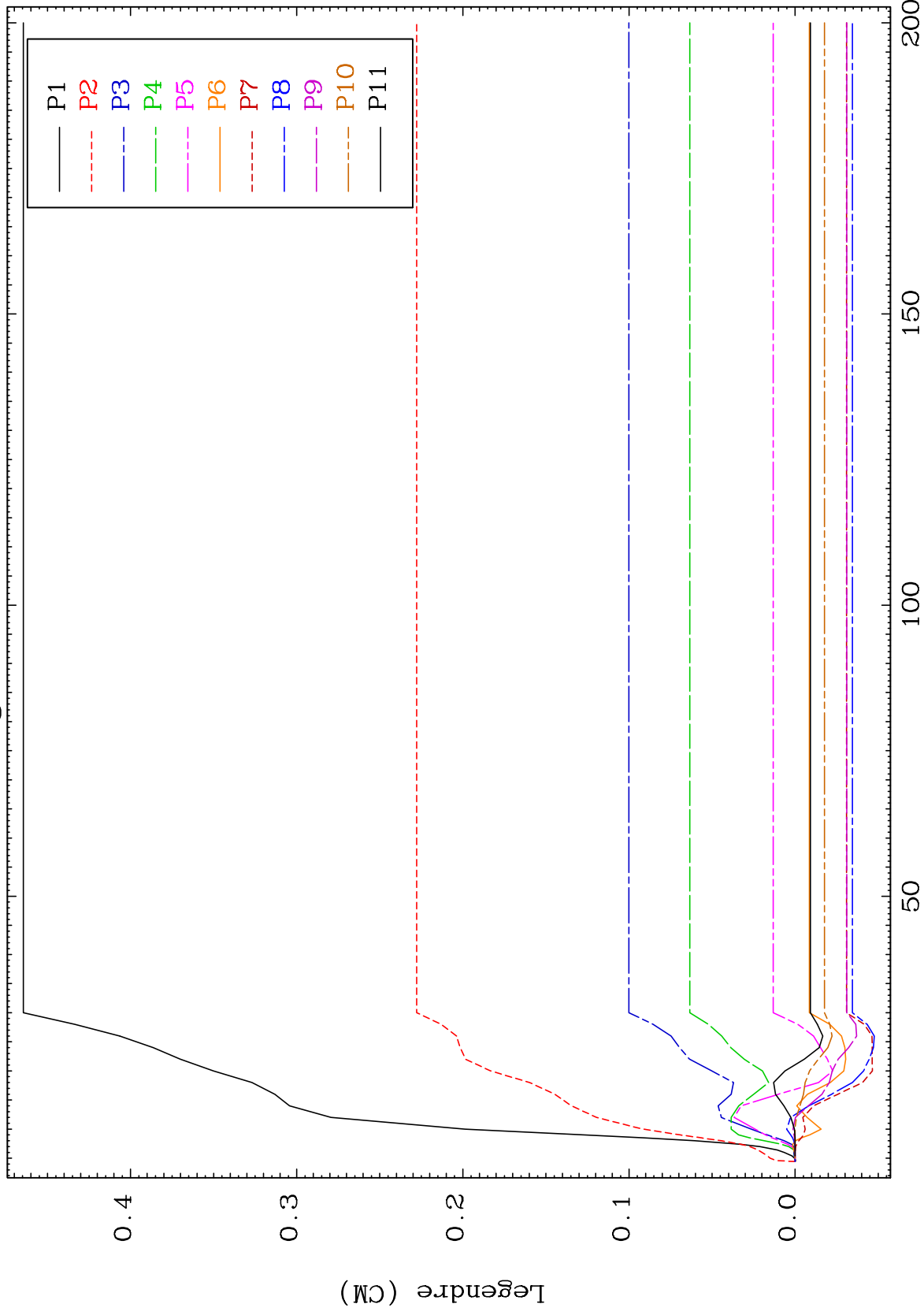
<sup>34</sup>Se-85



MAT 3458

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

<sup>34</sup>Se-85



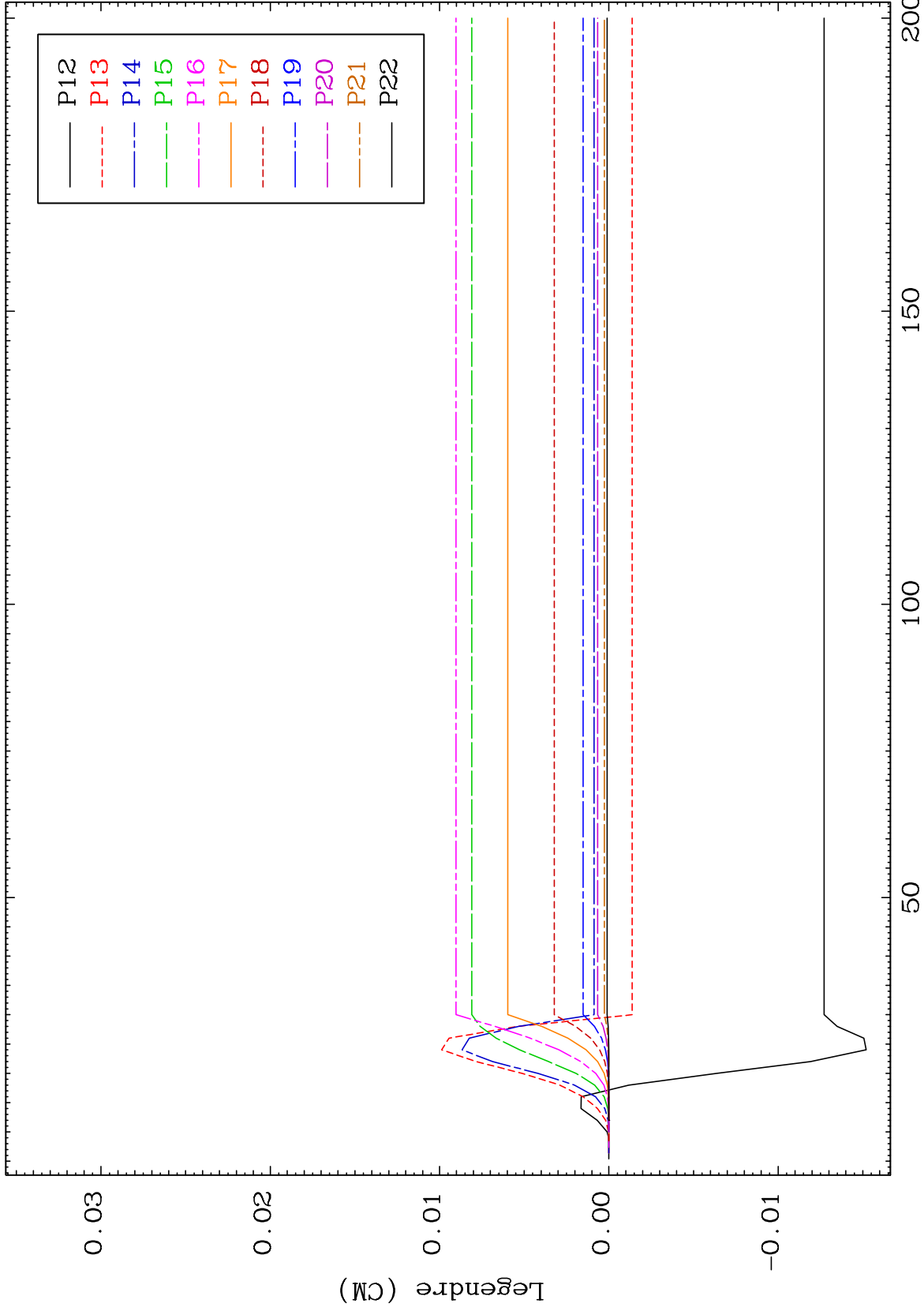
111

<sup>34</sup>Se-85

MAT 3458

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

34-Se-85



112

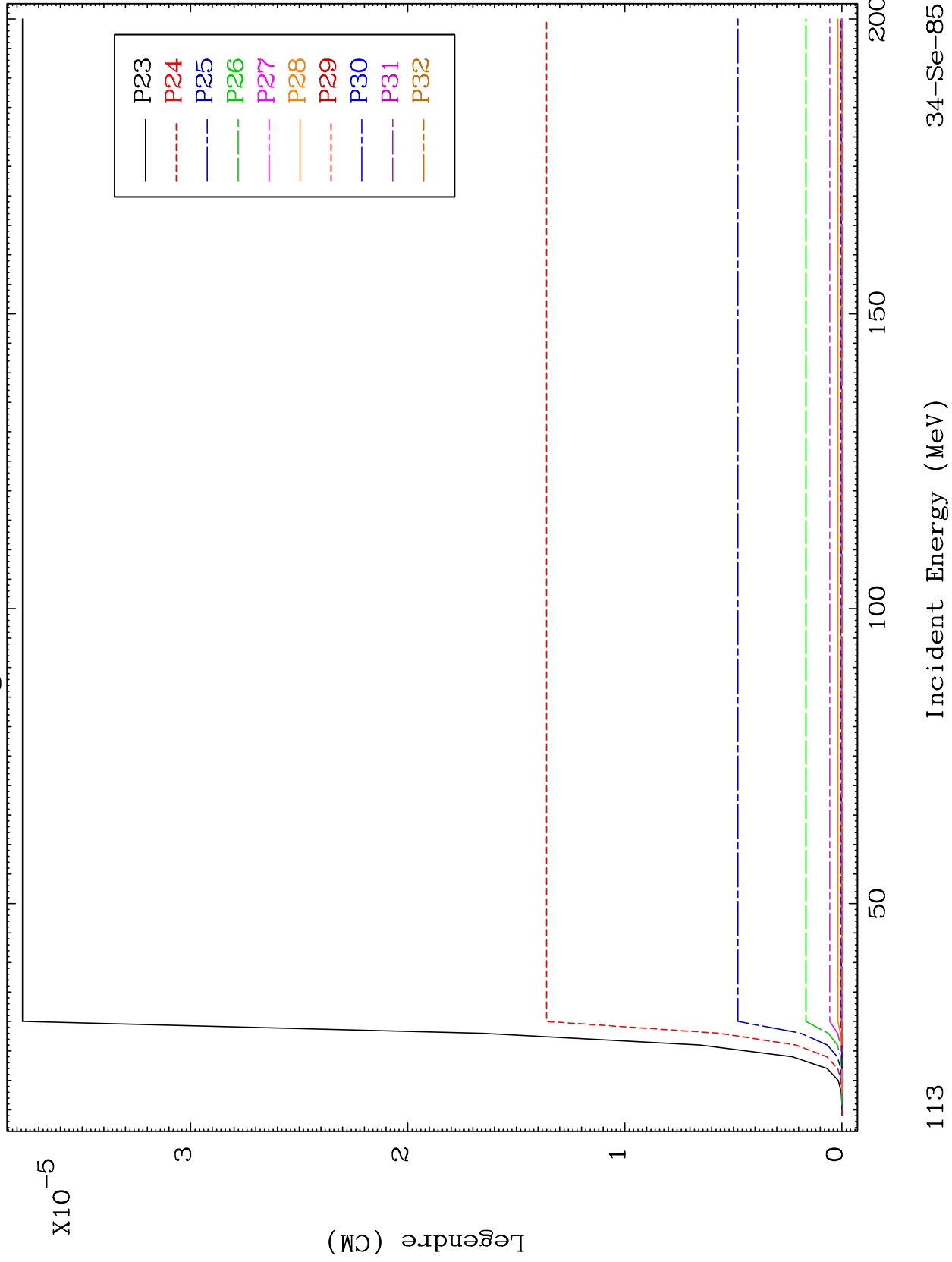
Incident Energy (MeV)

34-Se-85

MAT 3458

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

<sup>34</sup>Se-85

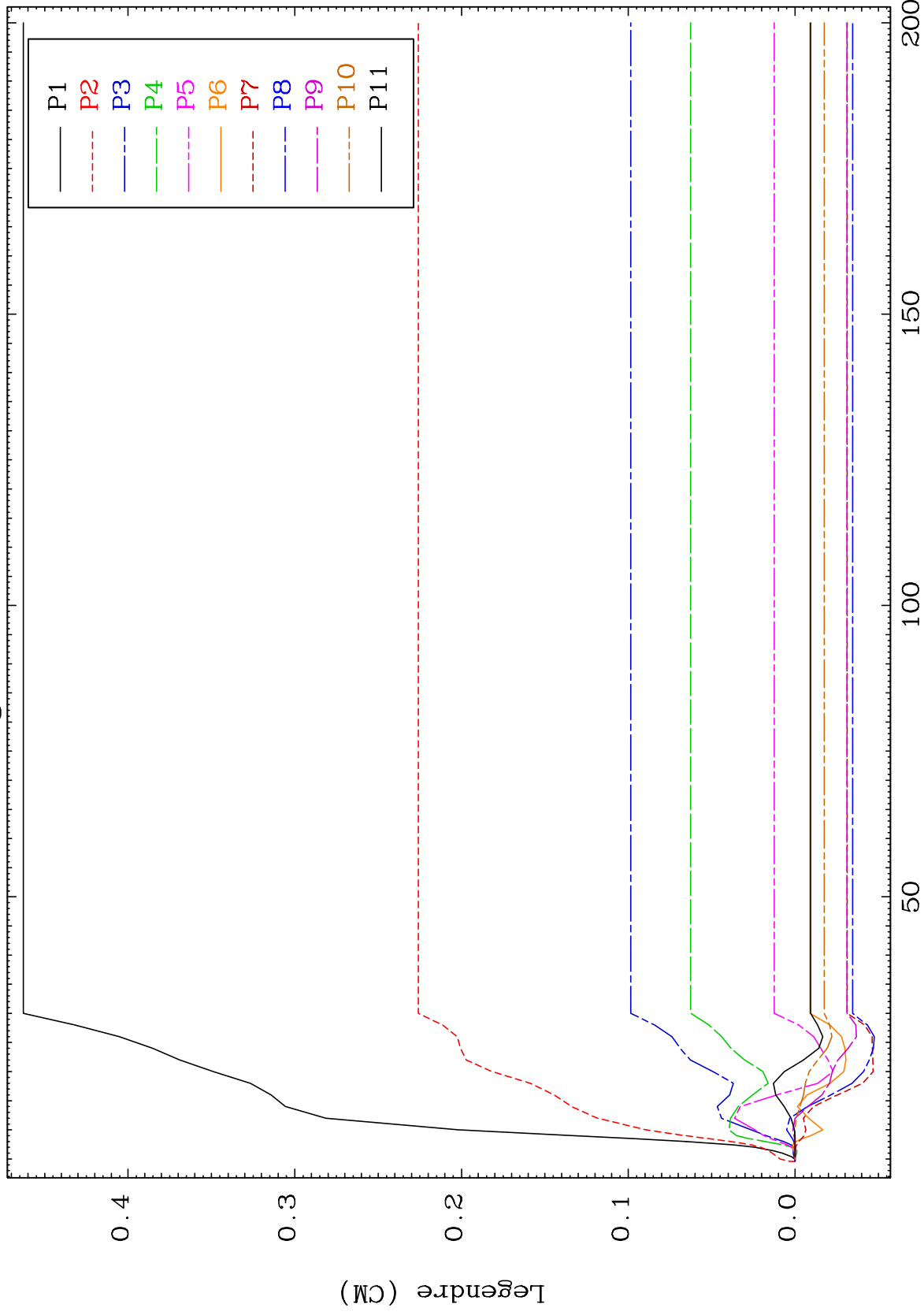


113

MAT 3458

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

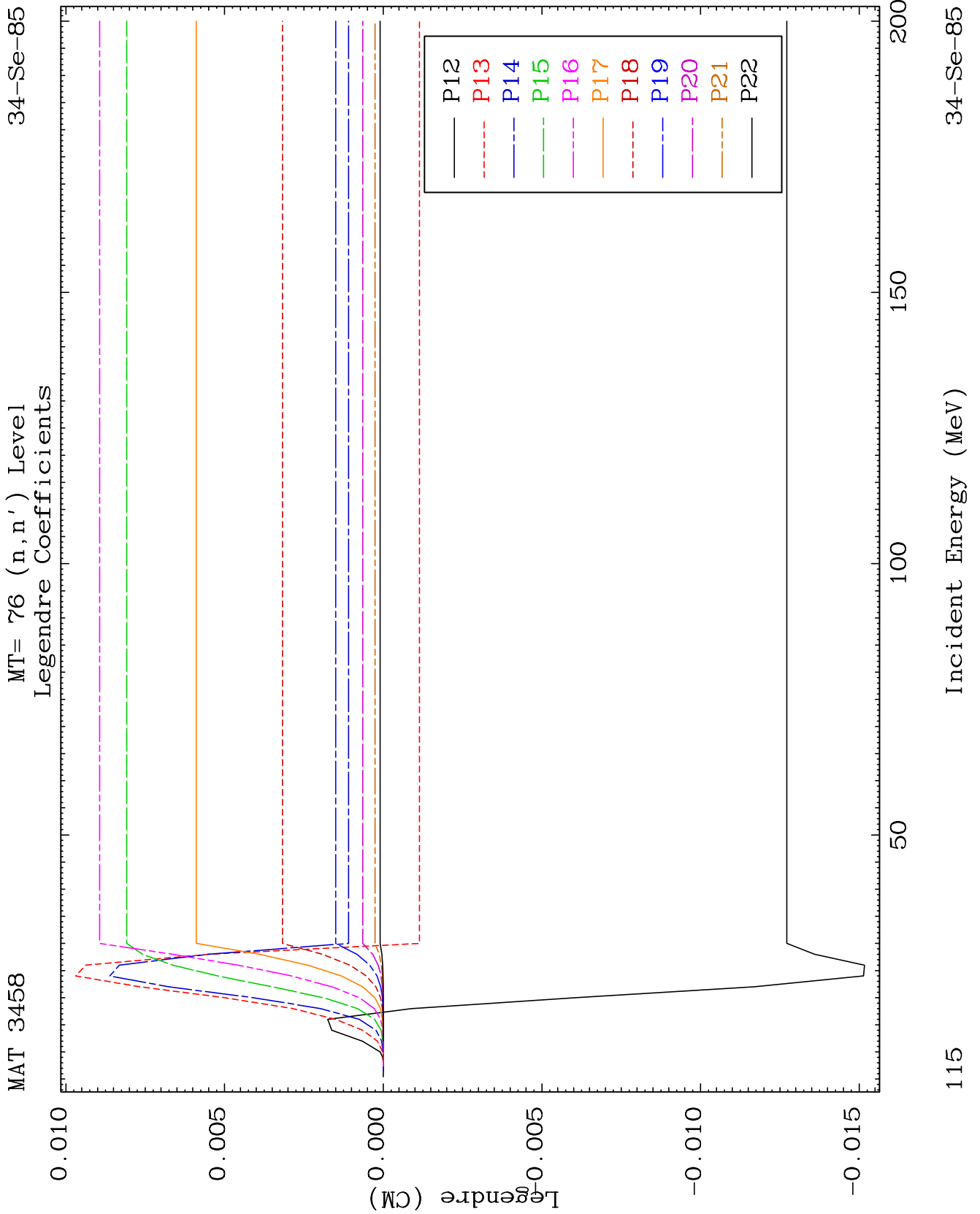
<sup>34</sup>Se-85



114

Incident Energy (MeV)

<sup>34</sup>Se-85

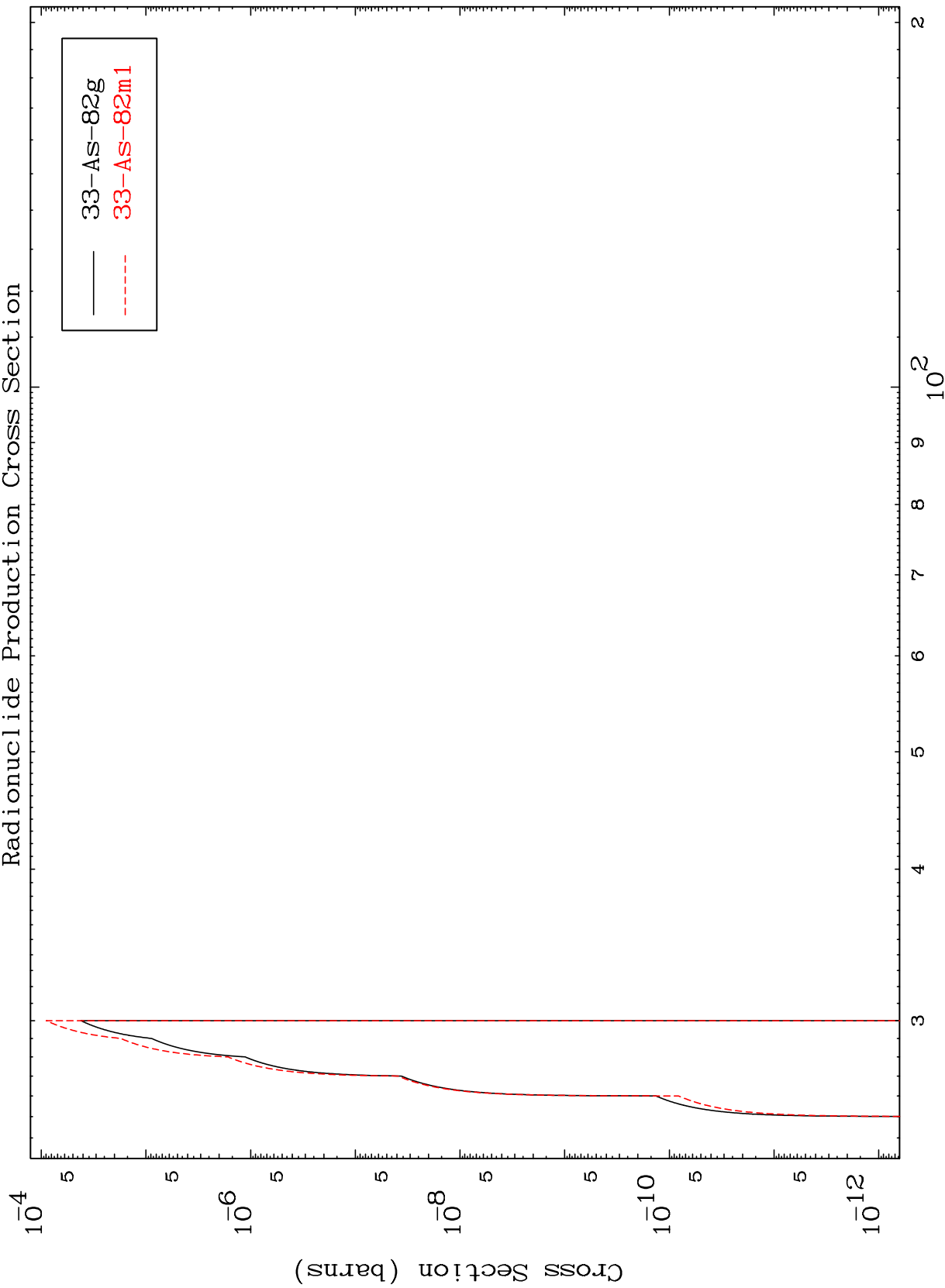




MAT 3458

34-Se-85

(n,2n) d  
Radionuclide Production Cross Section



33-As-82g  
33-As-82m1

117

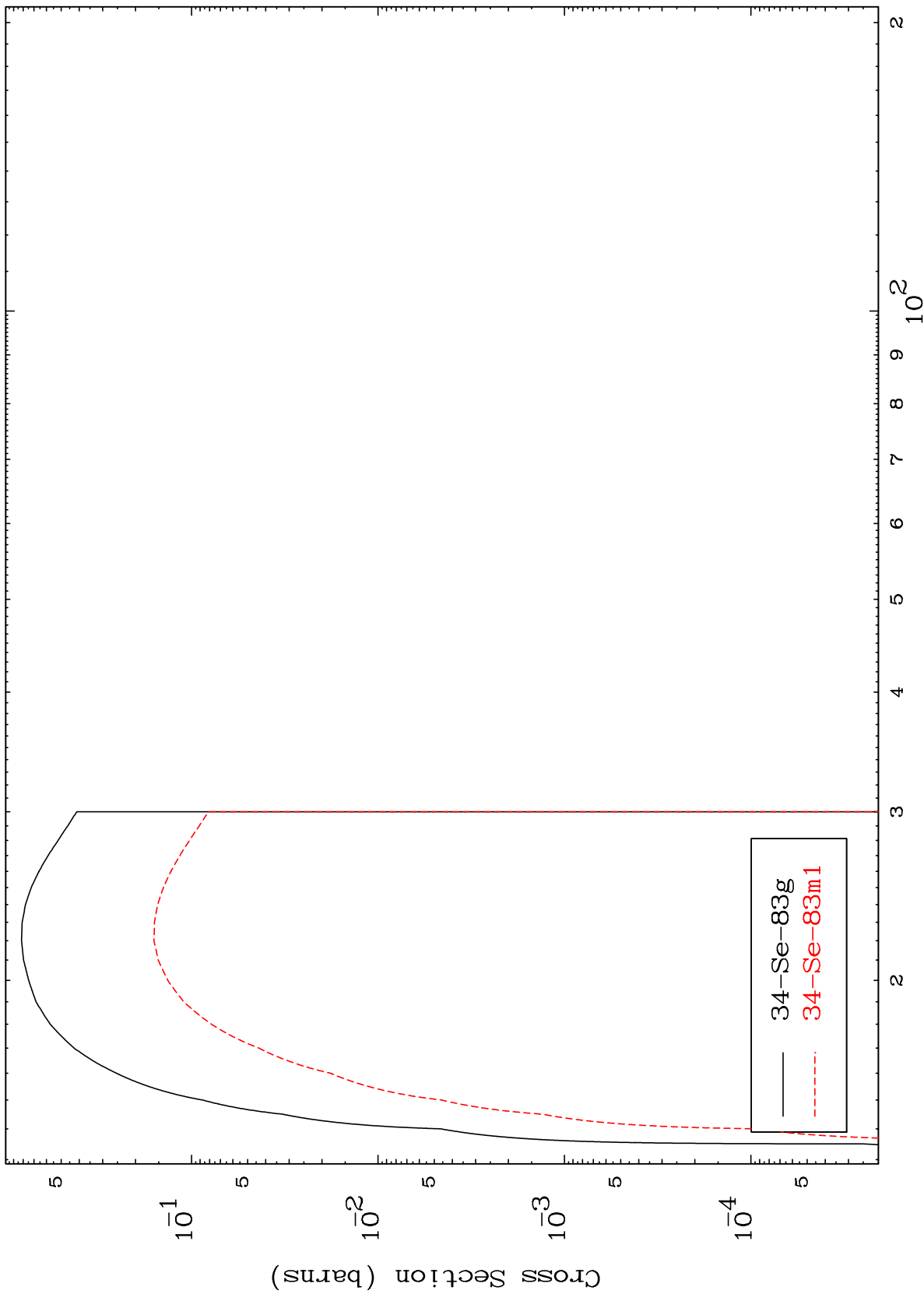
34-Se-85

Incident Energy (MeV)

MAT 3458

<sup>34</sup>Se-85

Radionuclide Production Cross Section  
(n,3n)



<sup>34</sup>Se-85

Incident Energy (MeV)

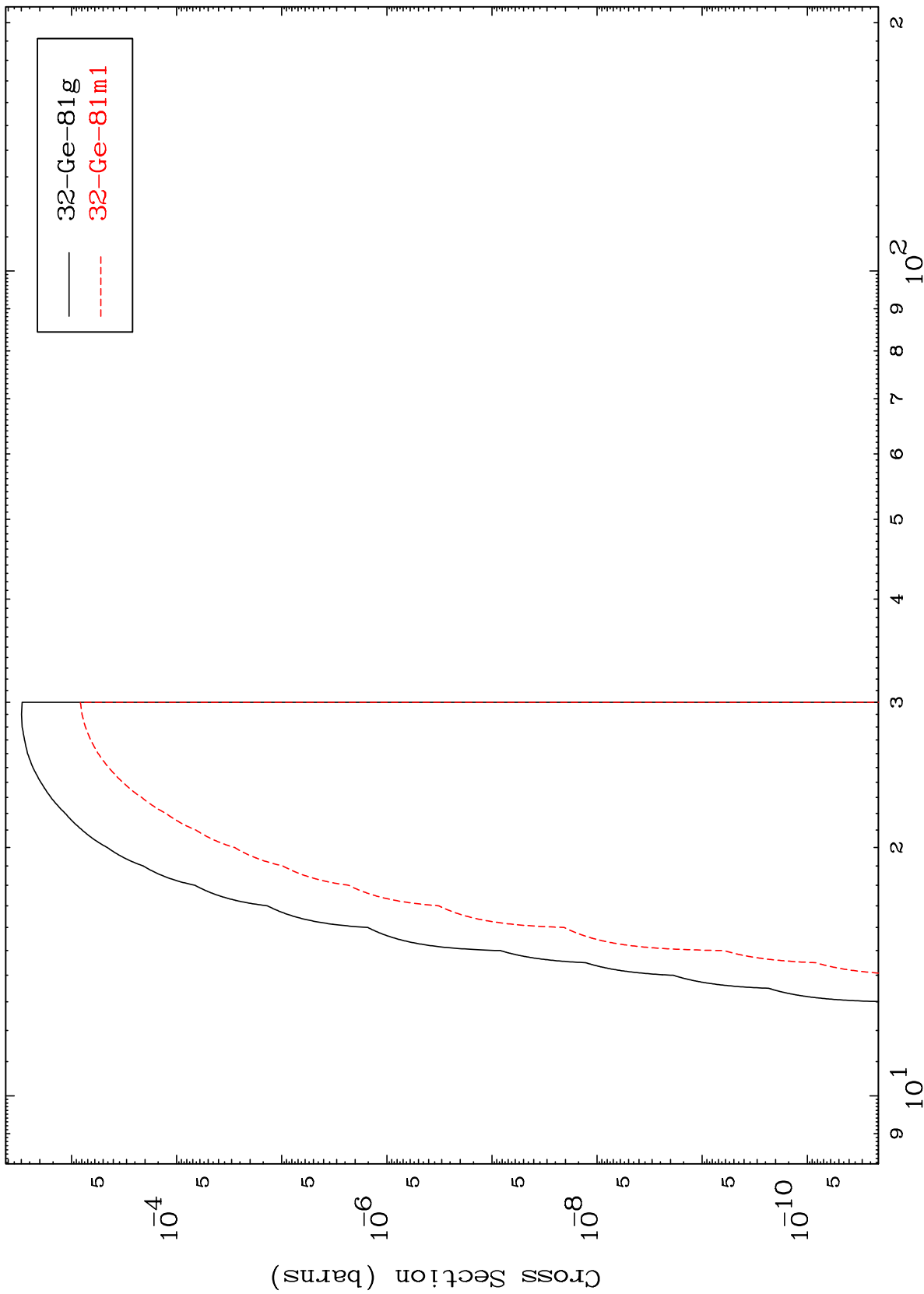
118

MAT 3458

$(n, n')$   $\alpha$

34-<sup>Se</sup>-85

Radionuclide Production Cross Section



119

Incident Energy (MeV)

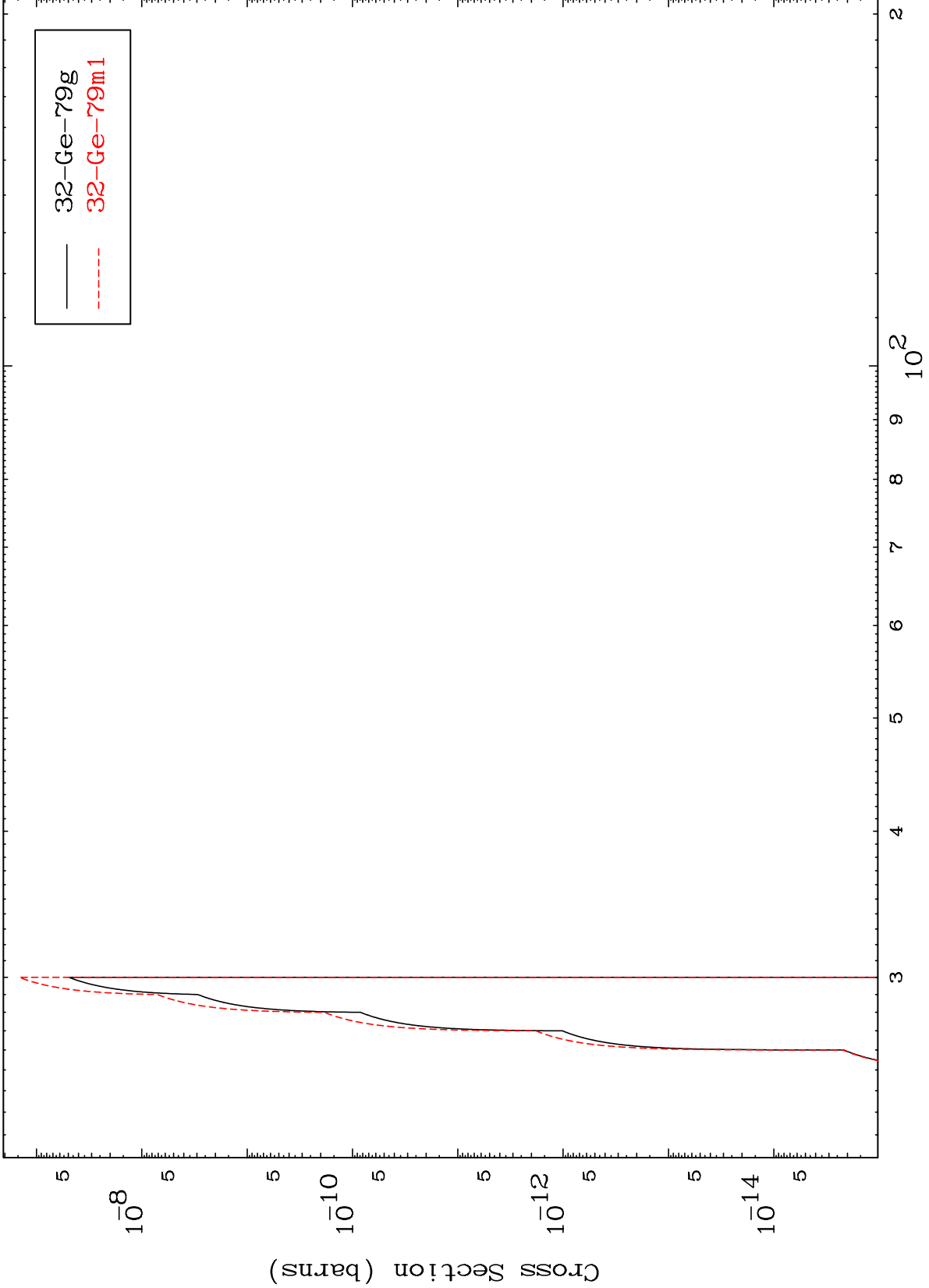
34-<sup>Se</sup>-85

MAT 3458

$(n,3n) \alpha$

$^{34}\text{Se-85}$

Radionuclide Production Cross Section

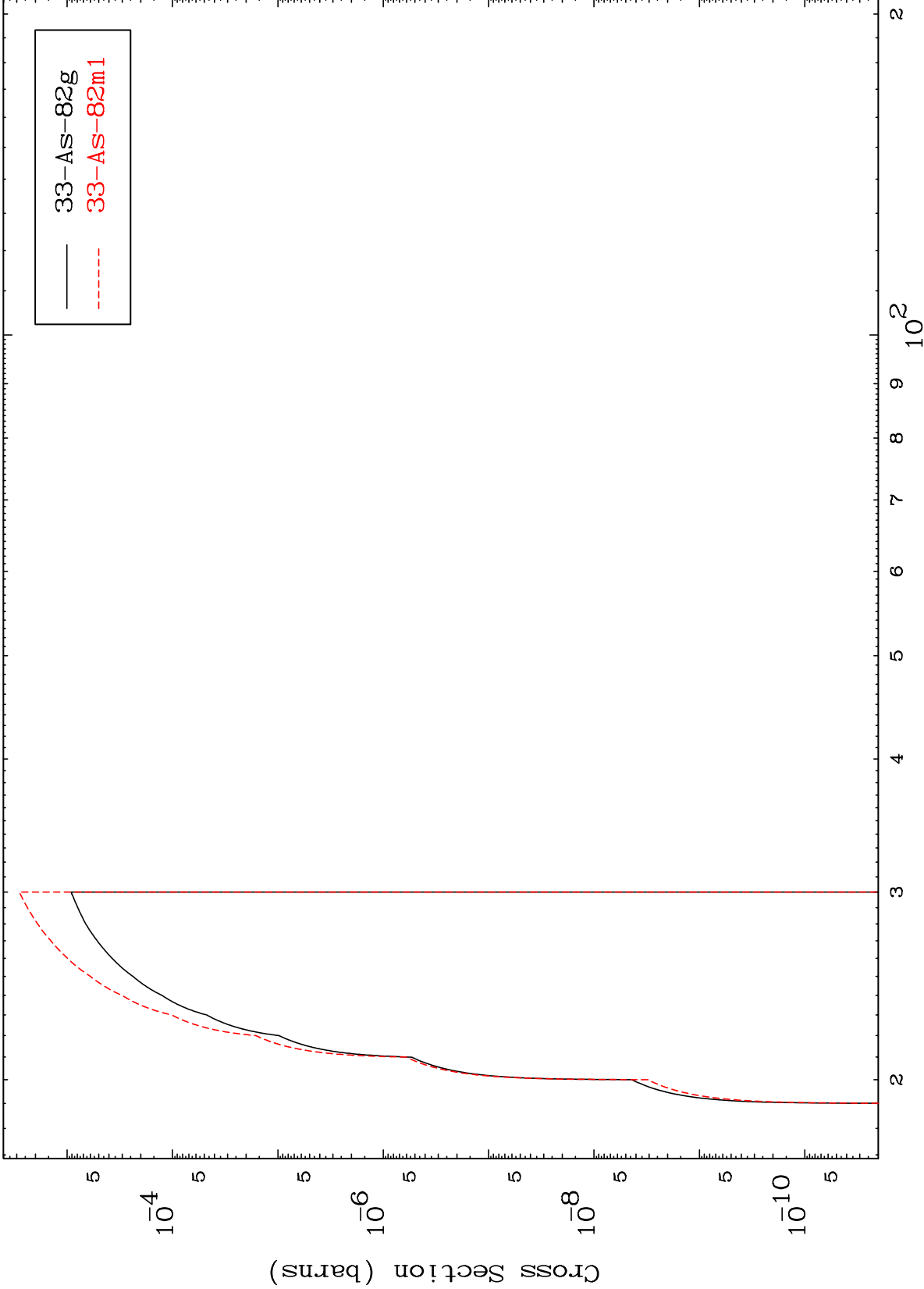


120

Incident Energy (MeV)

$^{34}\text{Se-85}$

Radionuclide Production Cross Section

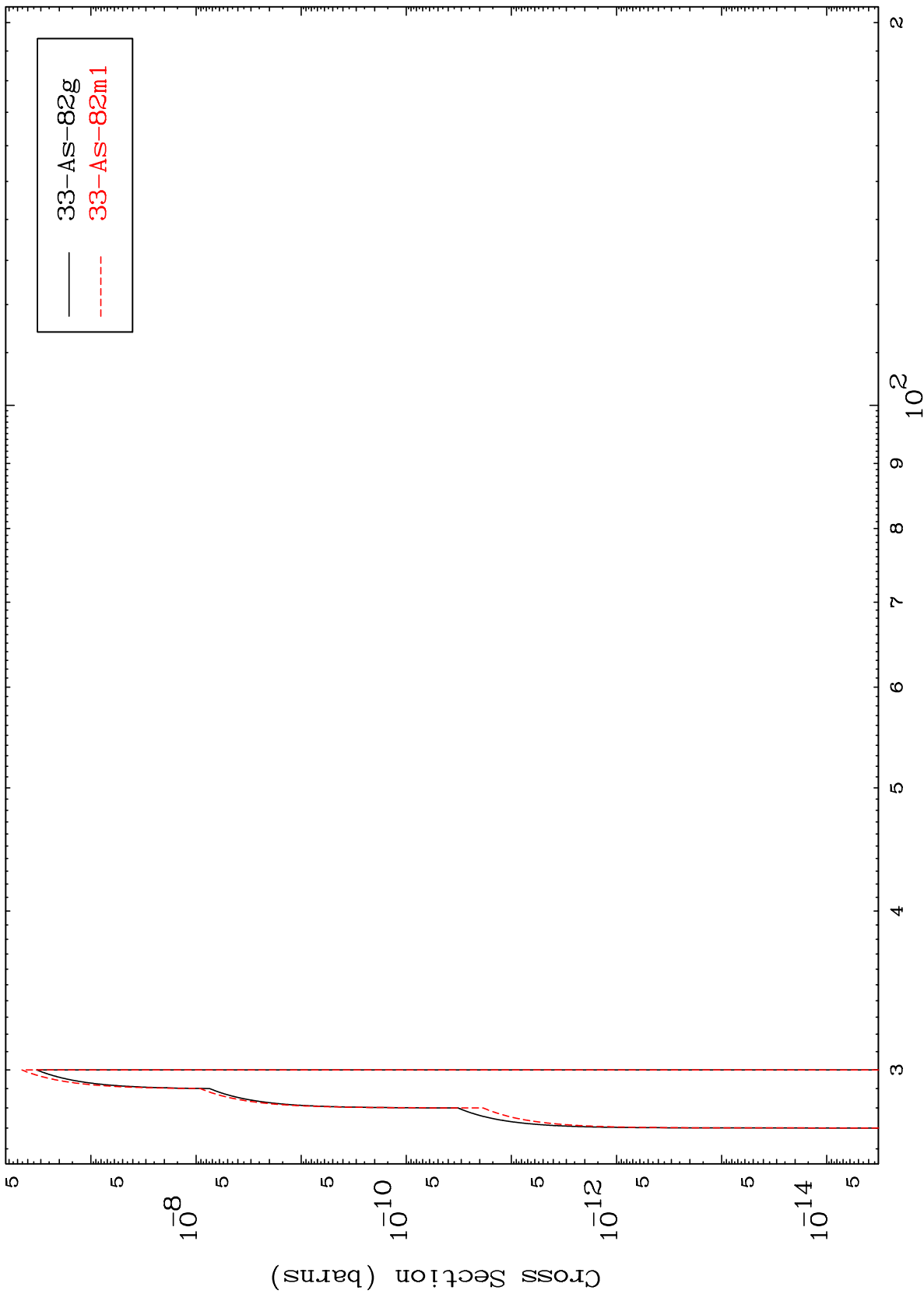


MAT 3458

(n,3n) p

34-Se-85

Radionuclide Production Cross Section



122

Incident Energy (MeV)

34-Se-85