

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

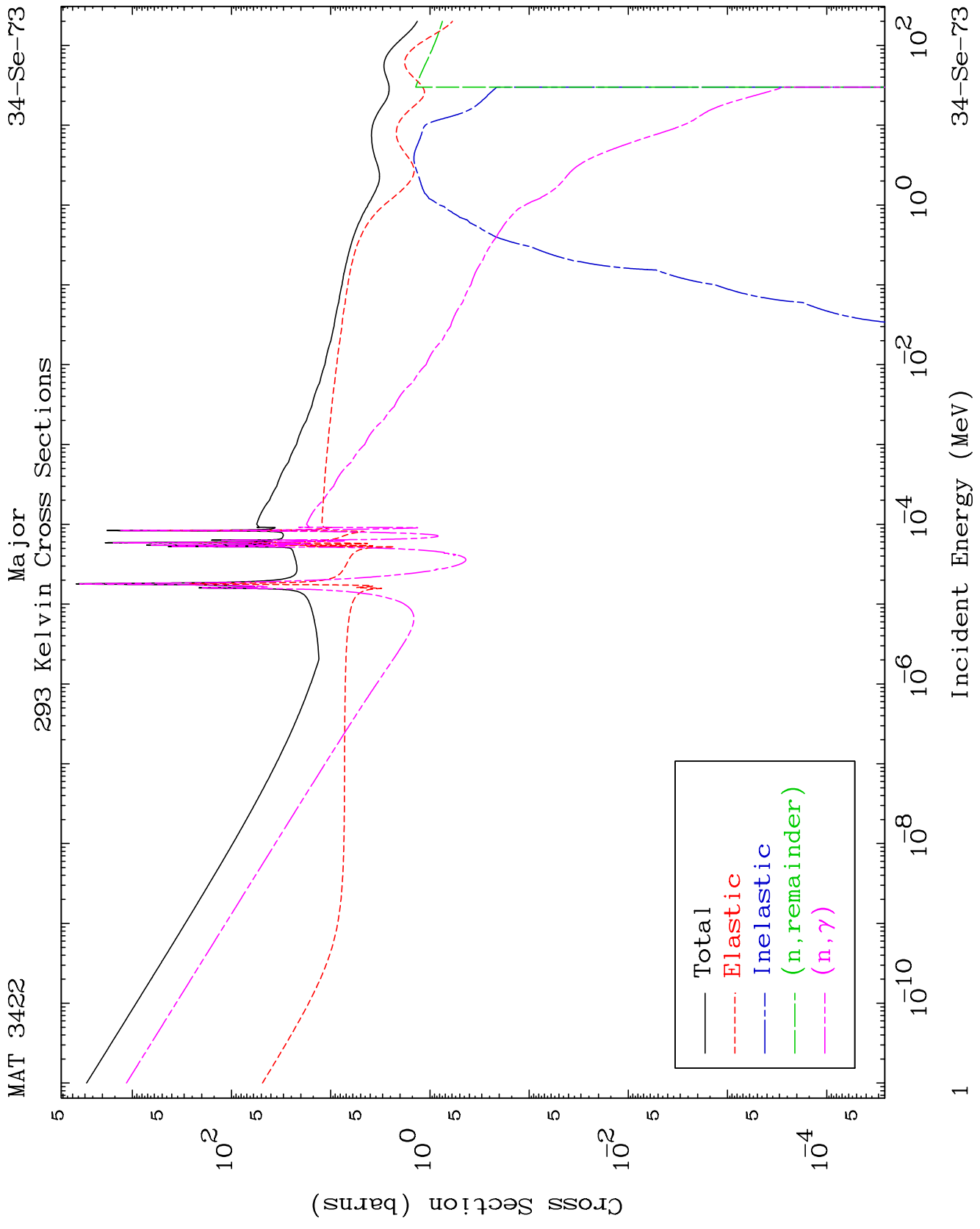
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

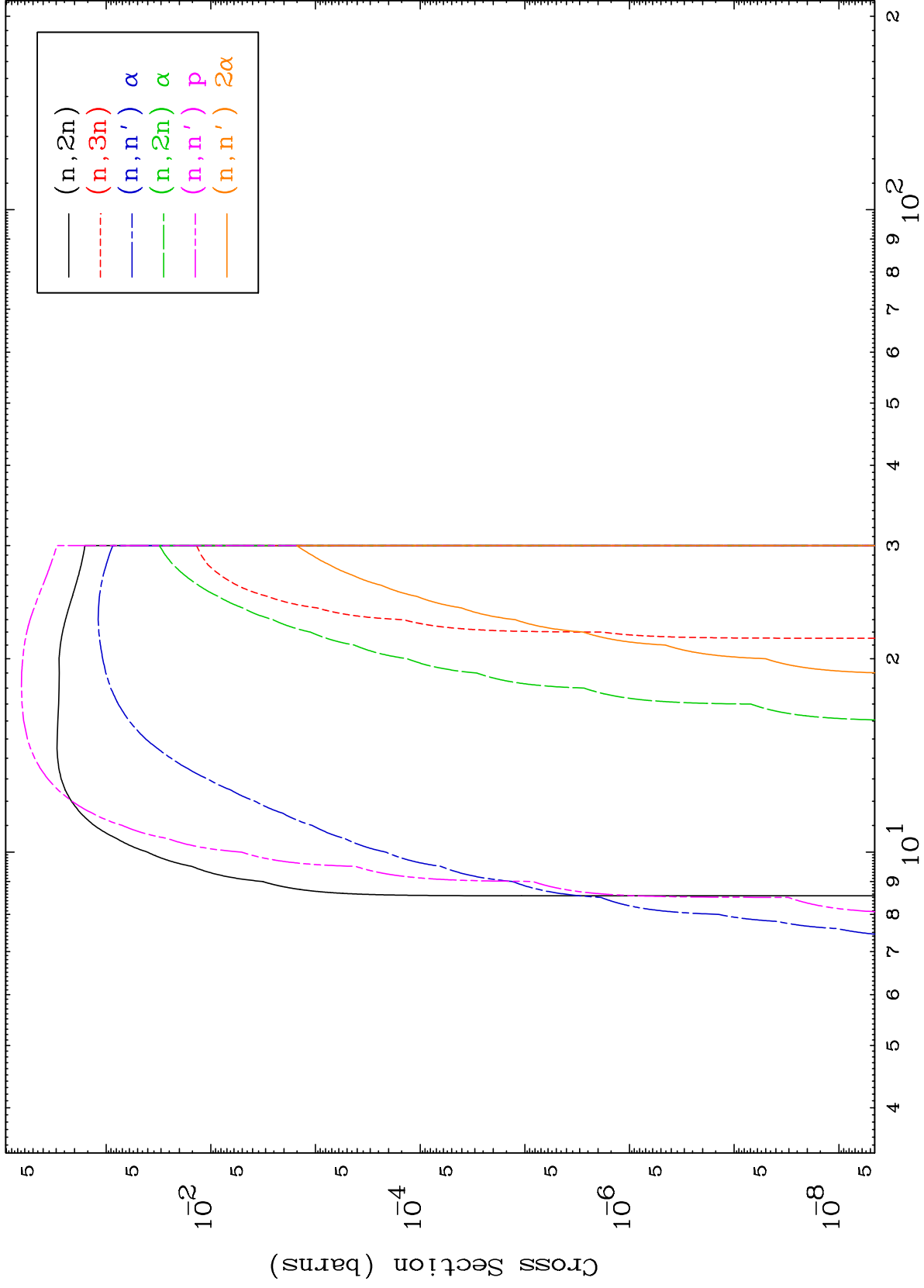
Tele: 925-443-1911

E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)

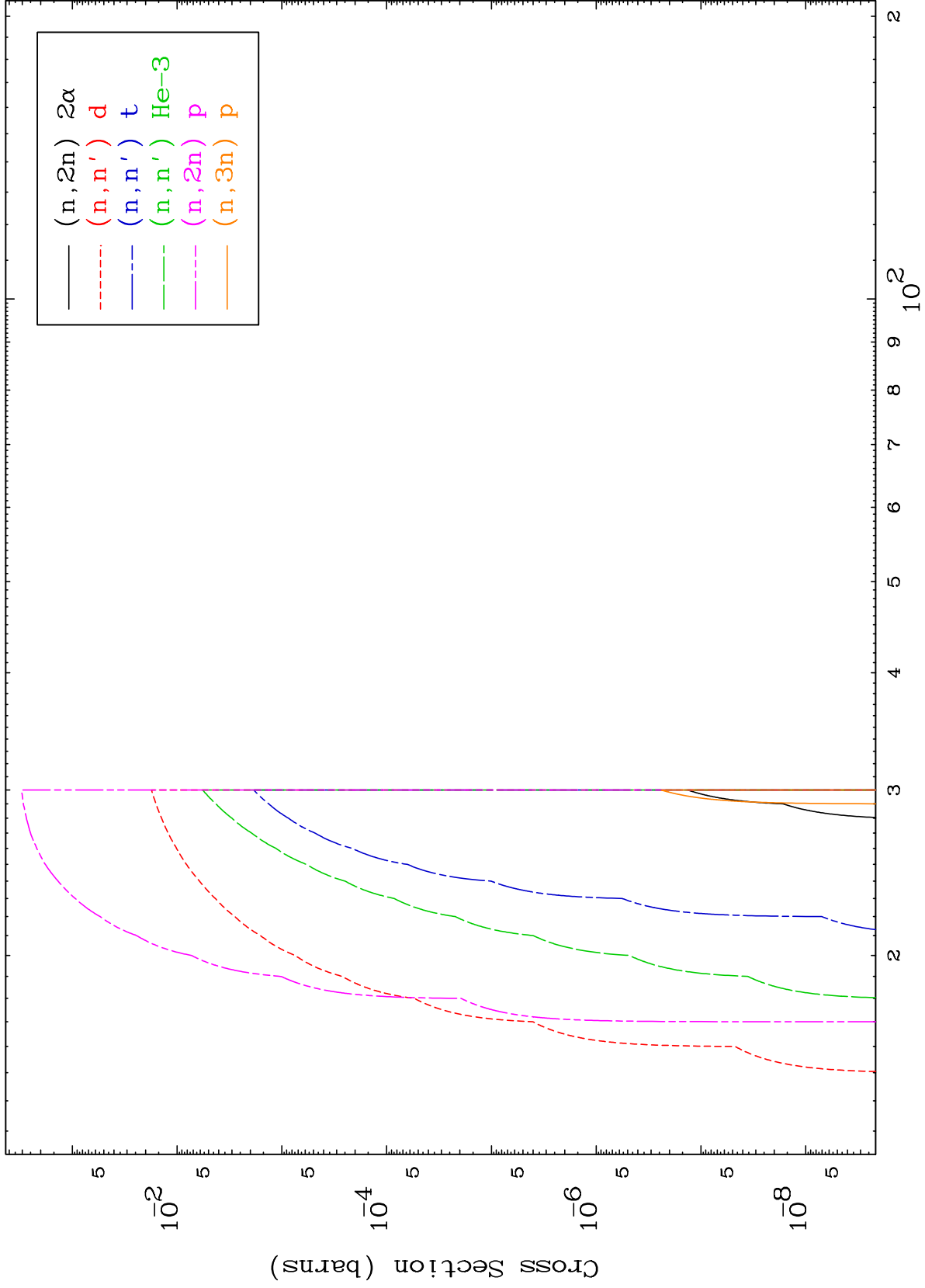
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

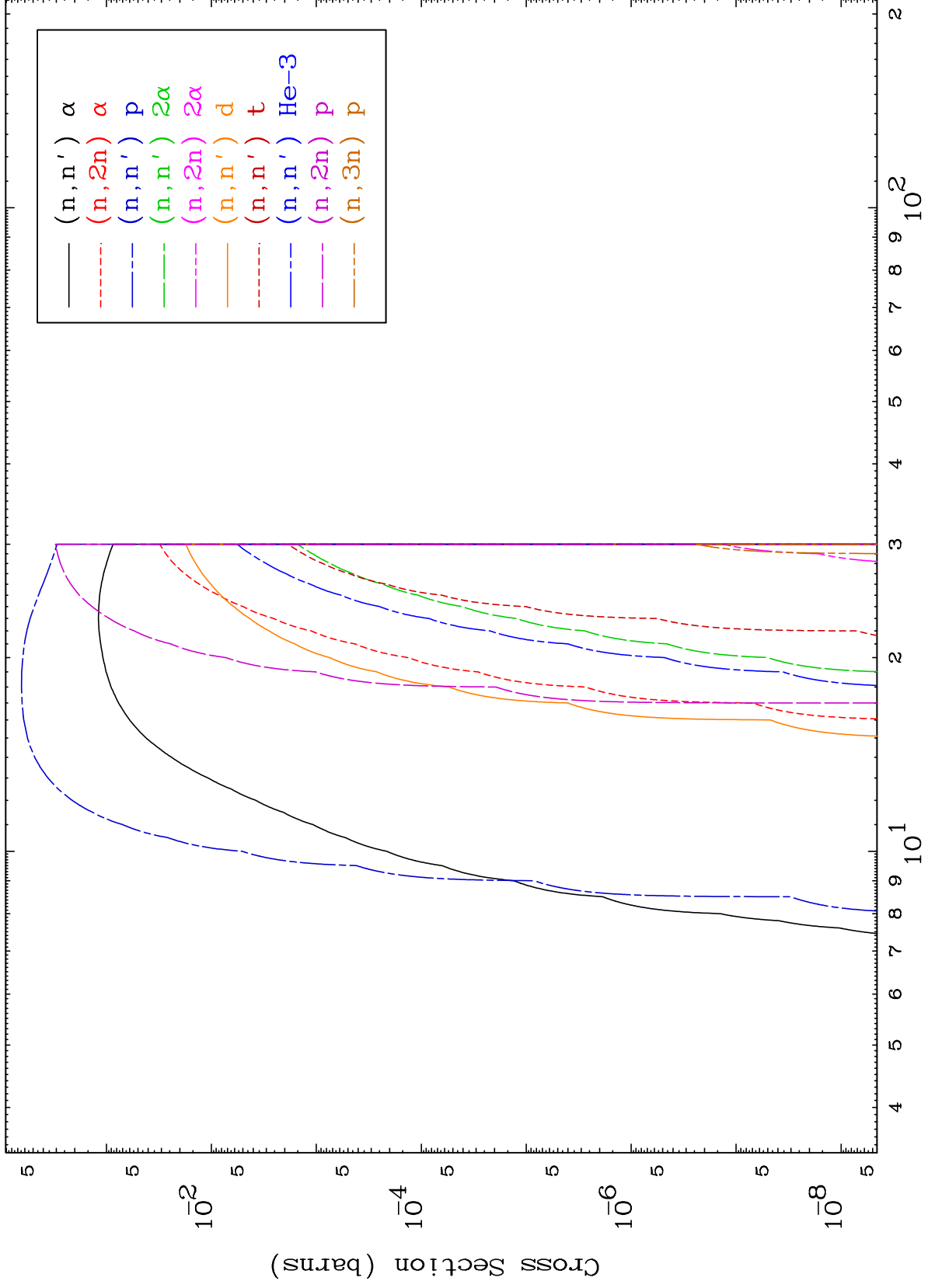
Press Mouse Button to Start





Neutron Production  
293 Kelvin Cross Sections

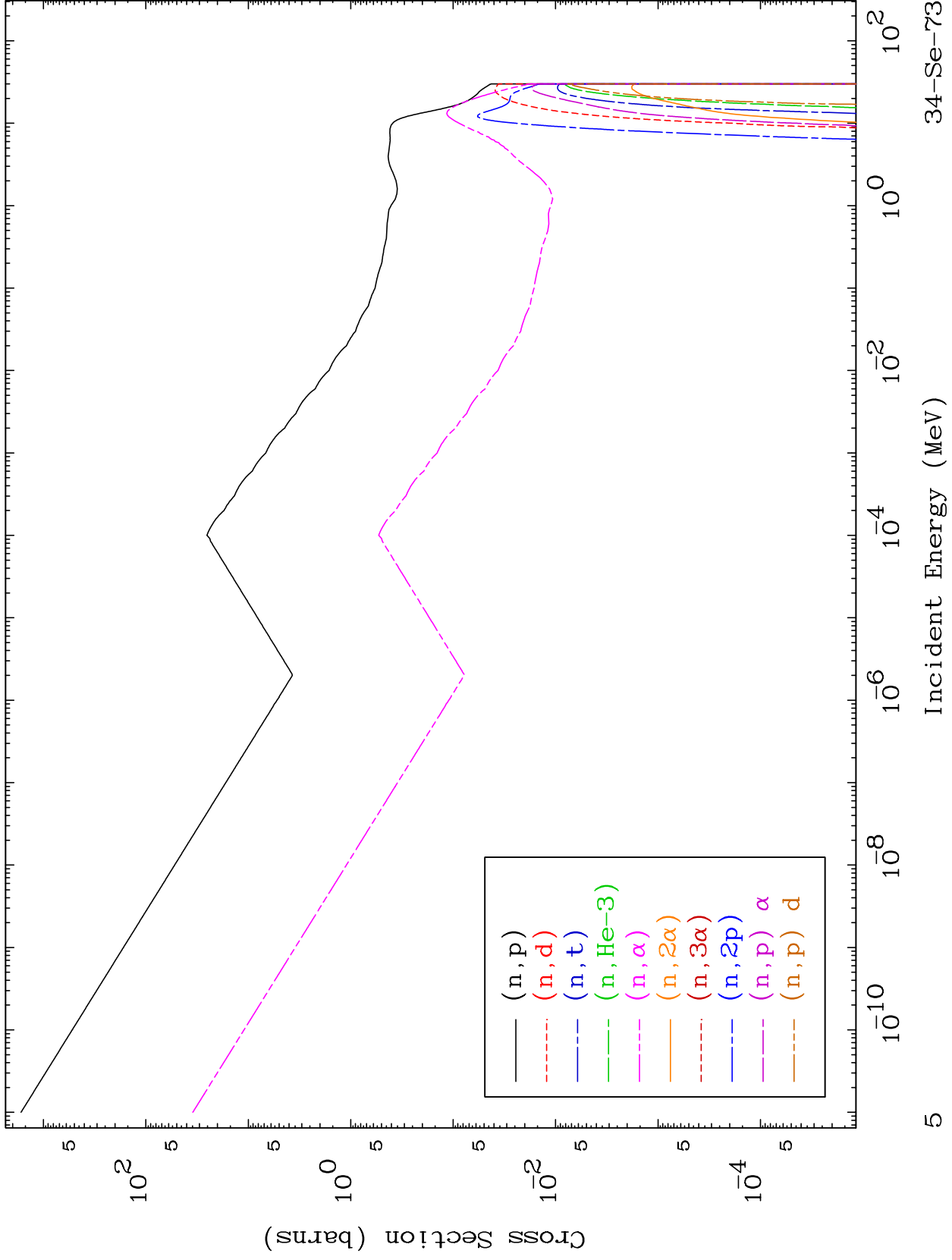




MAT 3422

Charged Particle  
293 Kelvin Cross Sections

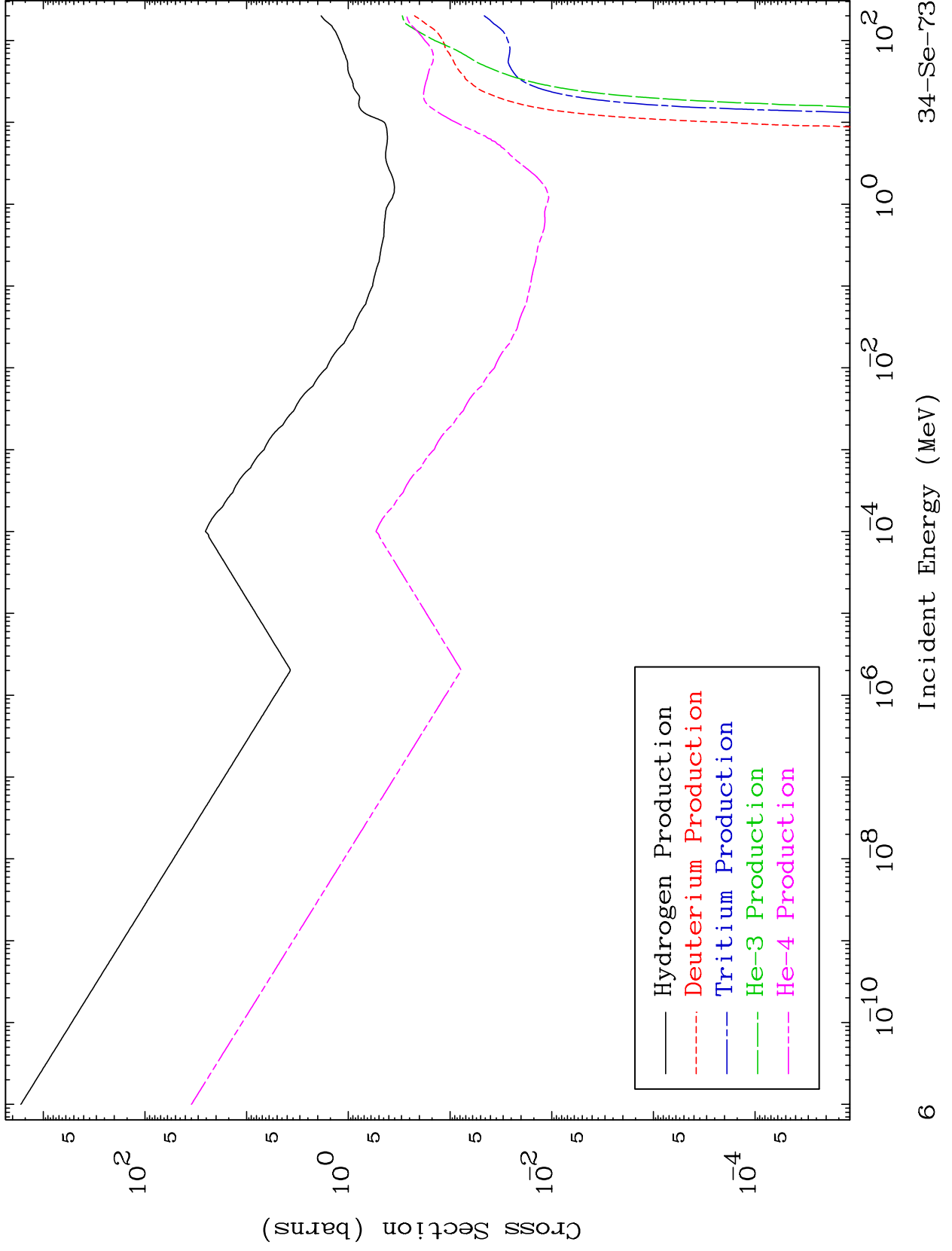
<sup>34</sup>Se-73



MAT 3422

Particle Production  
293 Kelvin Cross Sections

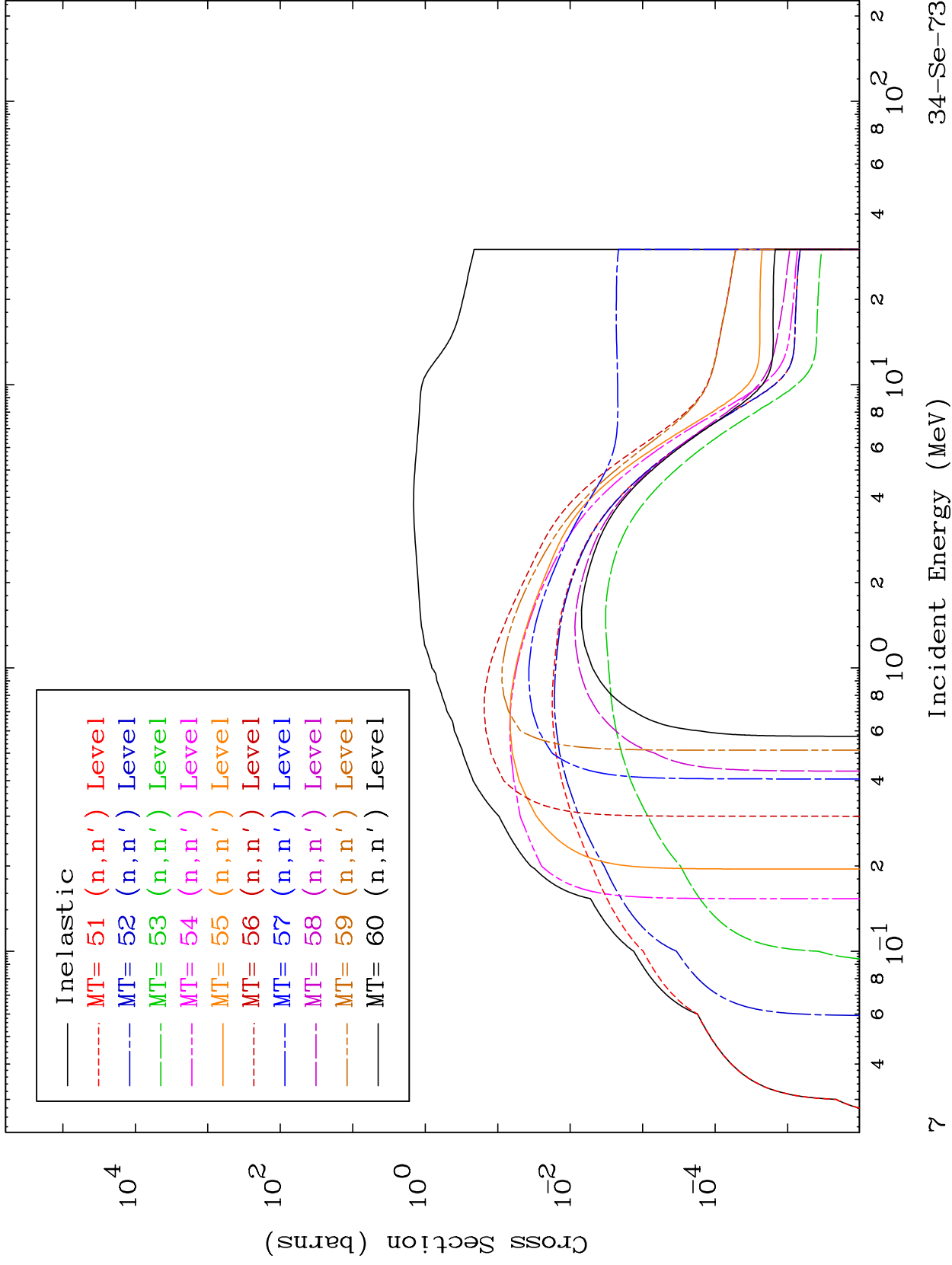
34-Se-73



MAT 3422

(n,n') Level  
293 Kelvin Cross Sections

<sup>34</sup>Se-73



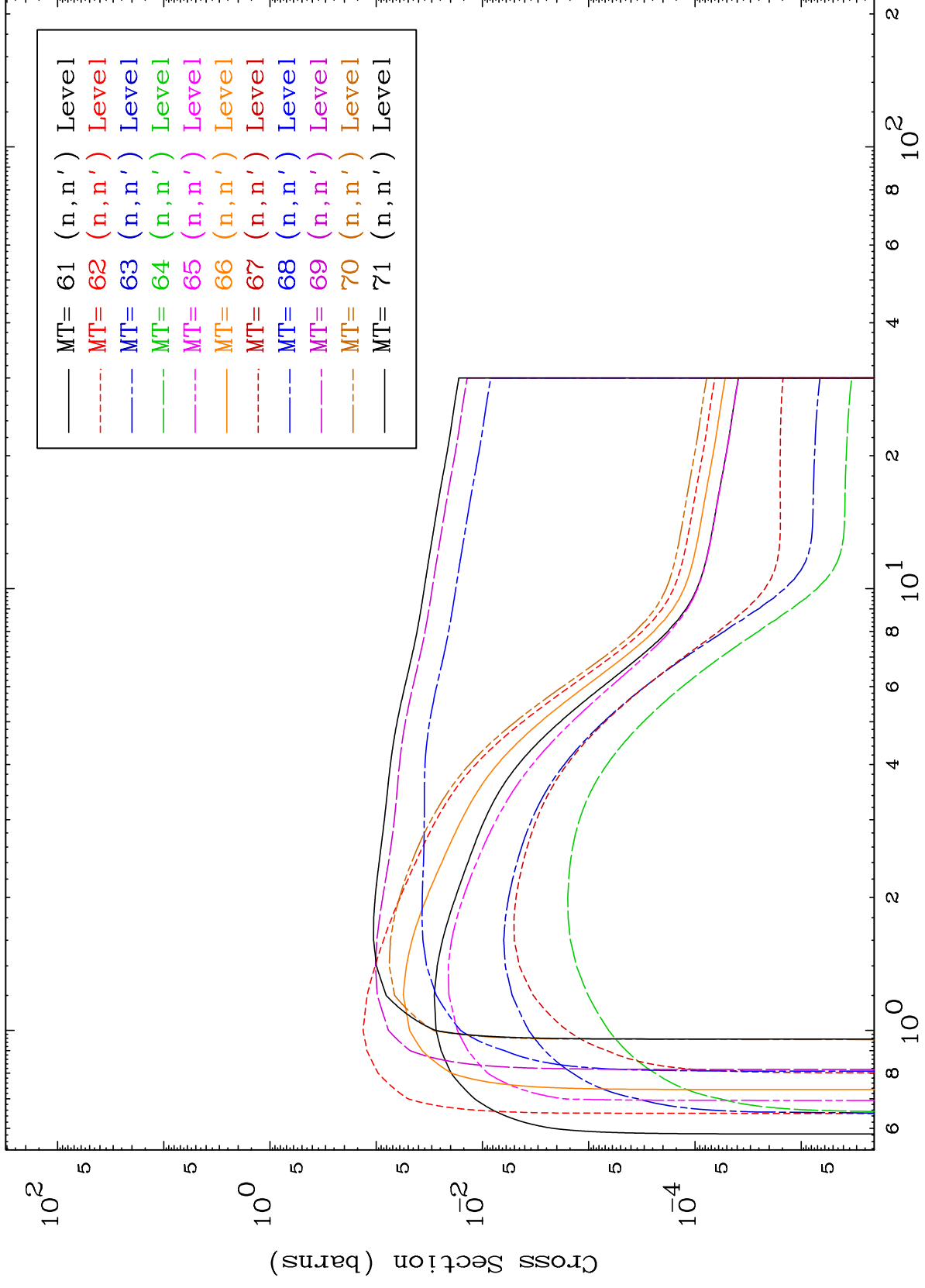


MAT 3422

(n,n') Level

34-Se-73

293 Kelvin Cross Sections

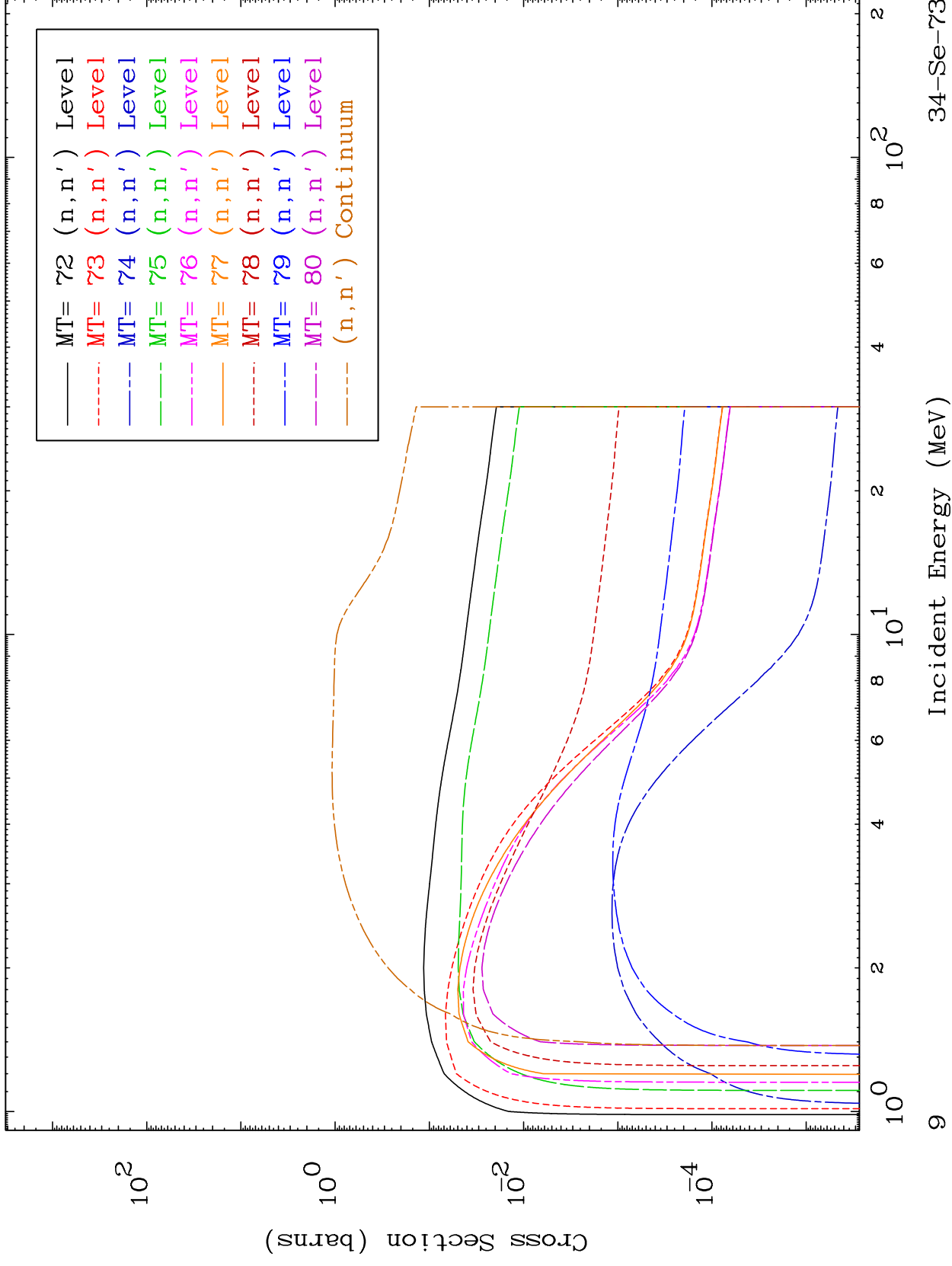


8

Incident Energy (MeV)

34-Se-73

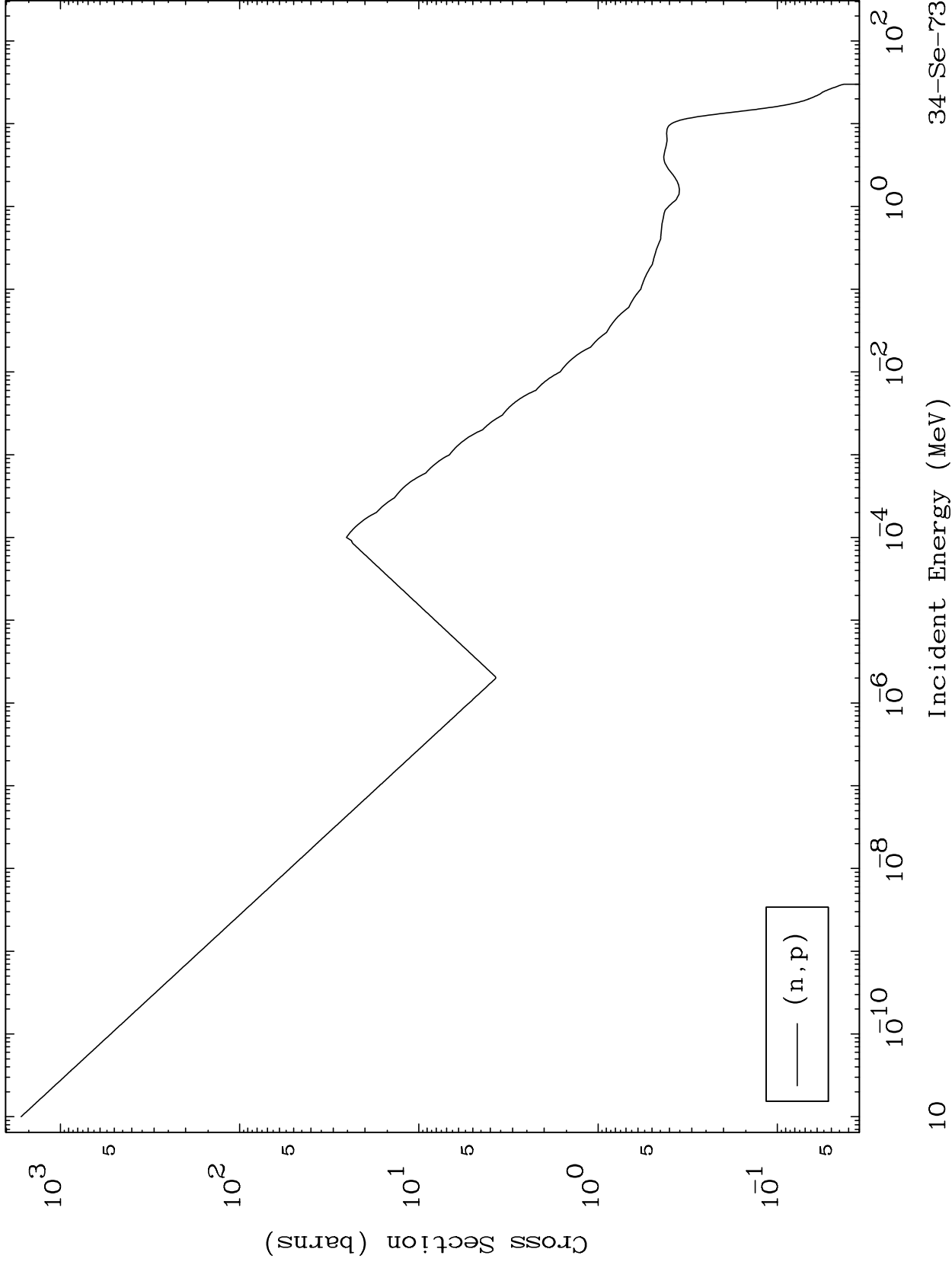
293 Kelvin Cross Sections



MAT 3422

(n,p) Levels  
293 Kelvin Cross Sections

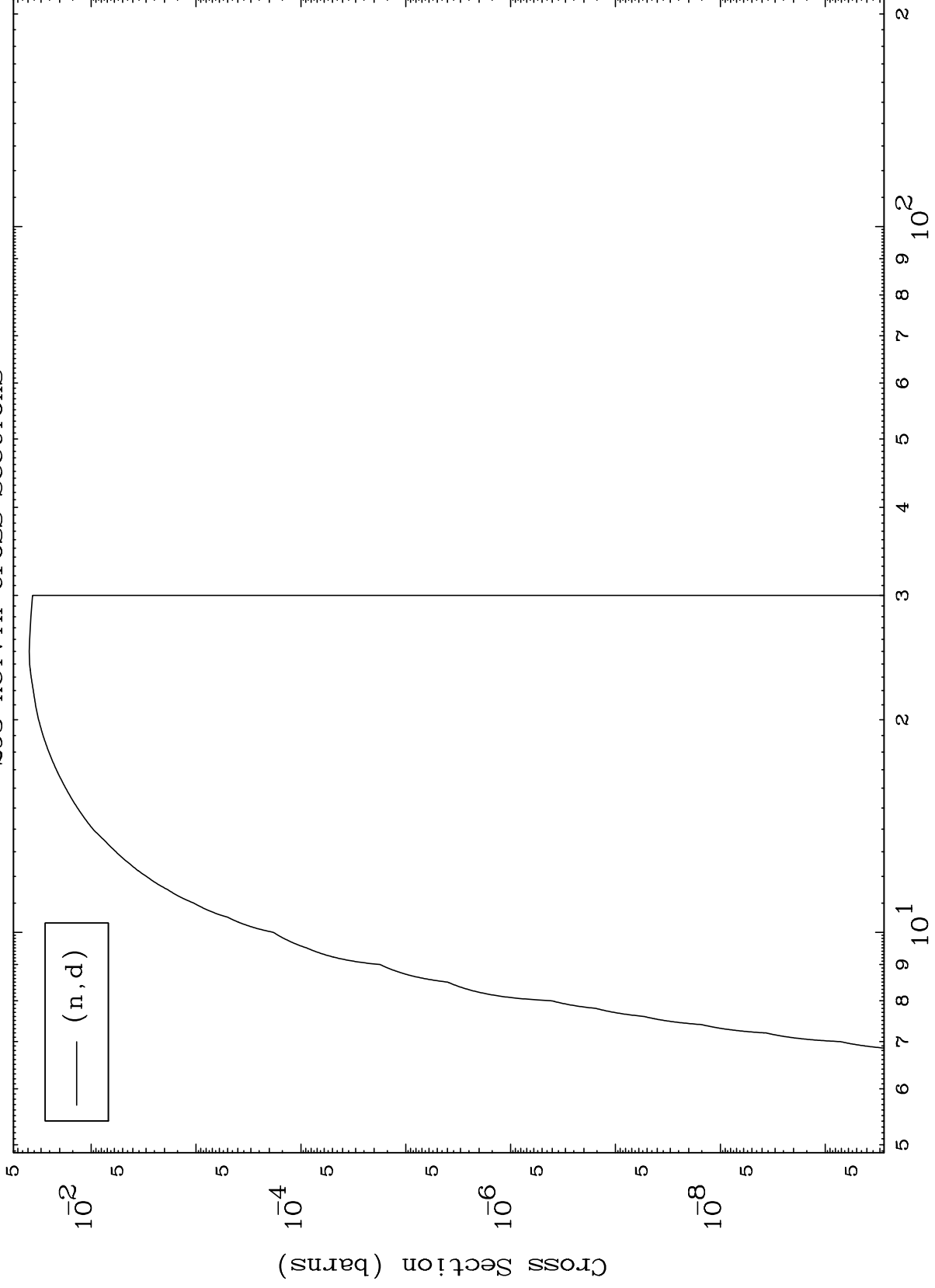
<sup>34</sup>Se-73



MAT 3422

(n,d) Levels  
293 Kelvin Cross Sections

<sup>34</sup>Se-73



11

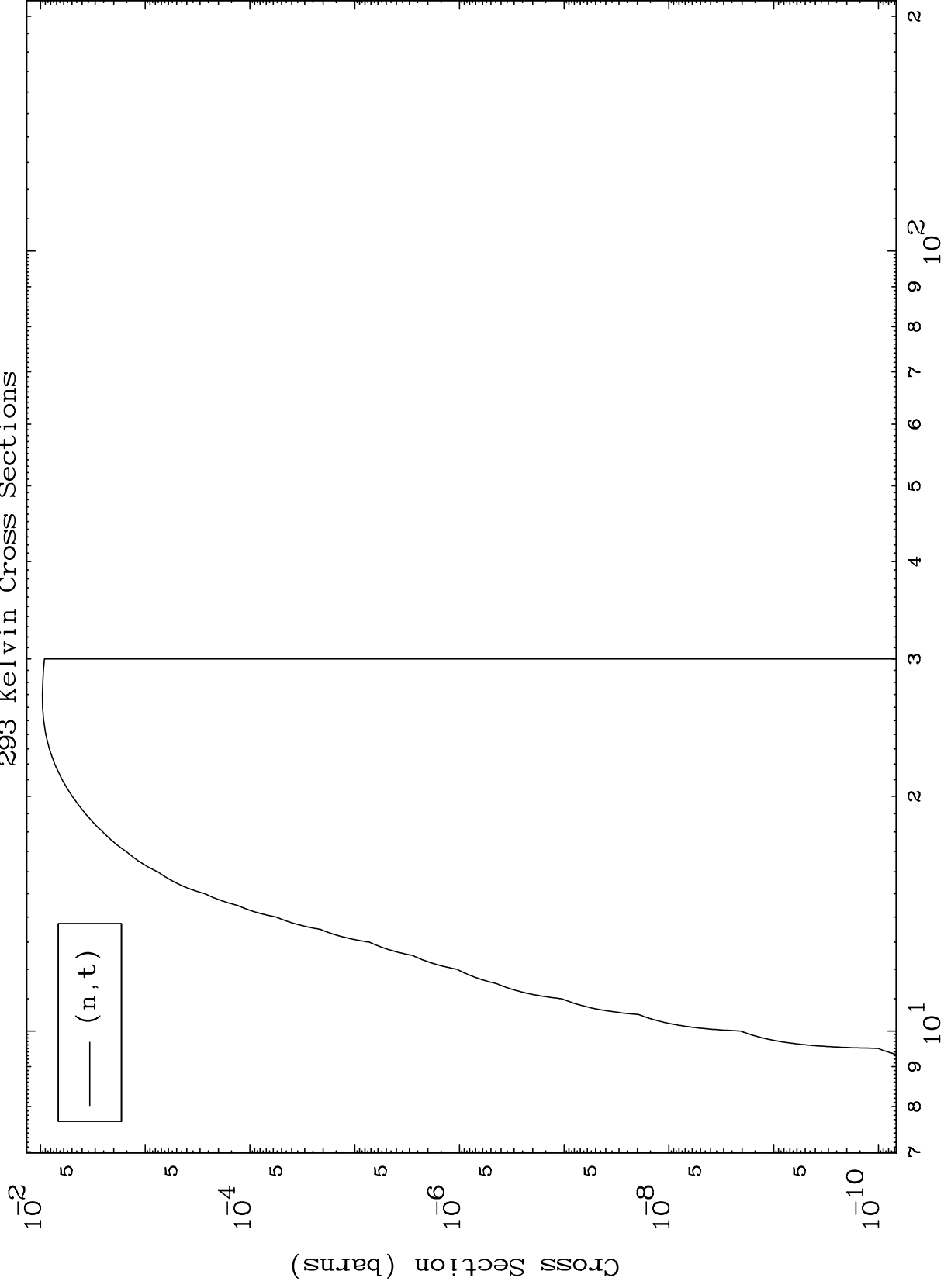
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

(n,t) Levels  
293 Kelvin Cross Sections

<sup>34</sup>Se-73



12

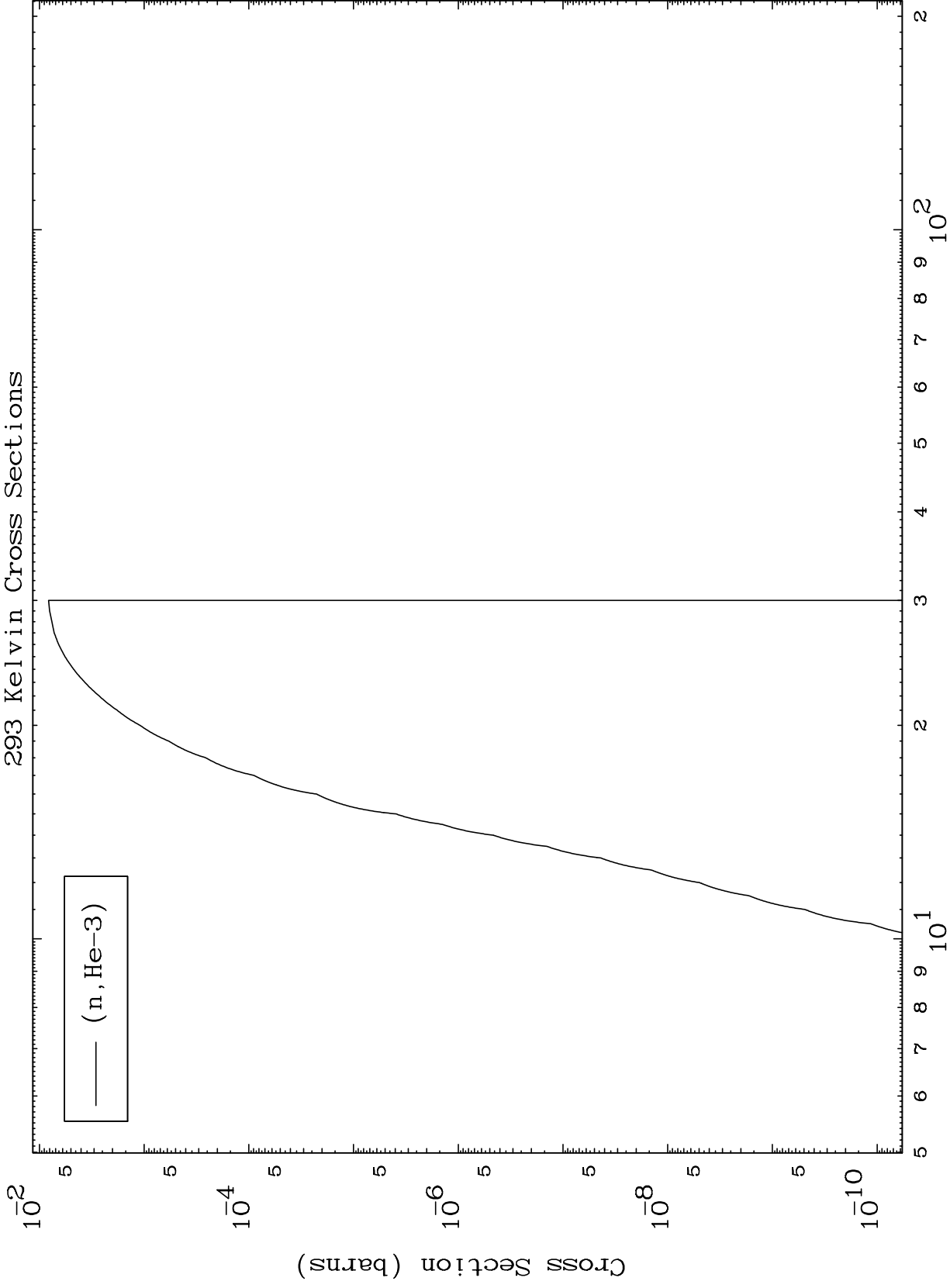
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

(n,He3) Levels  
293 Kelvin Cross Sections

<sup>34</sup>Se-73



13

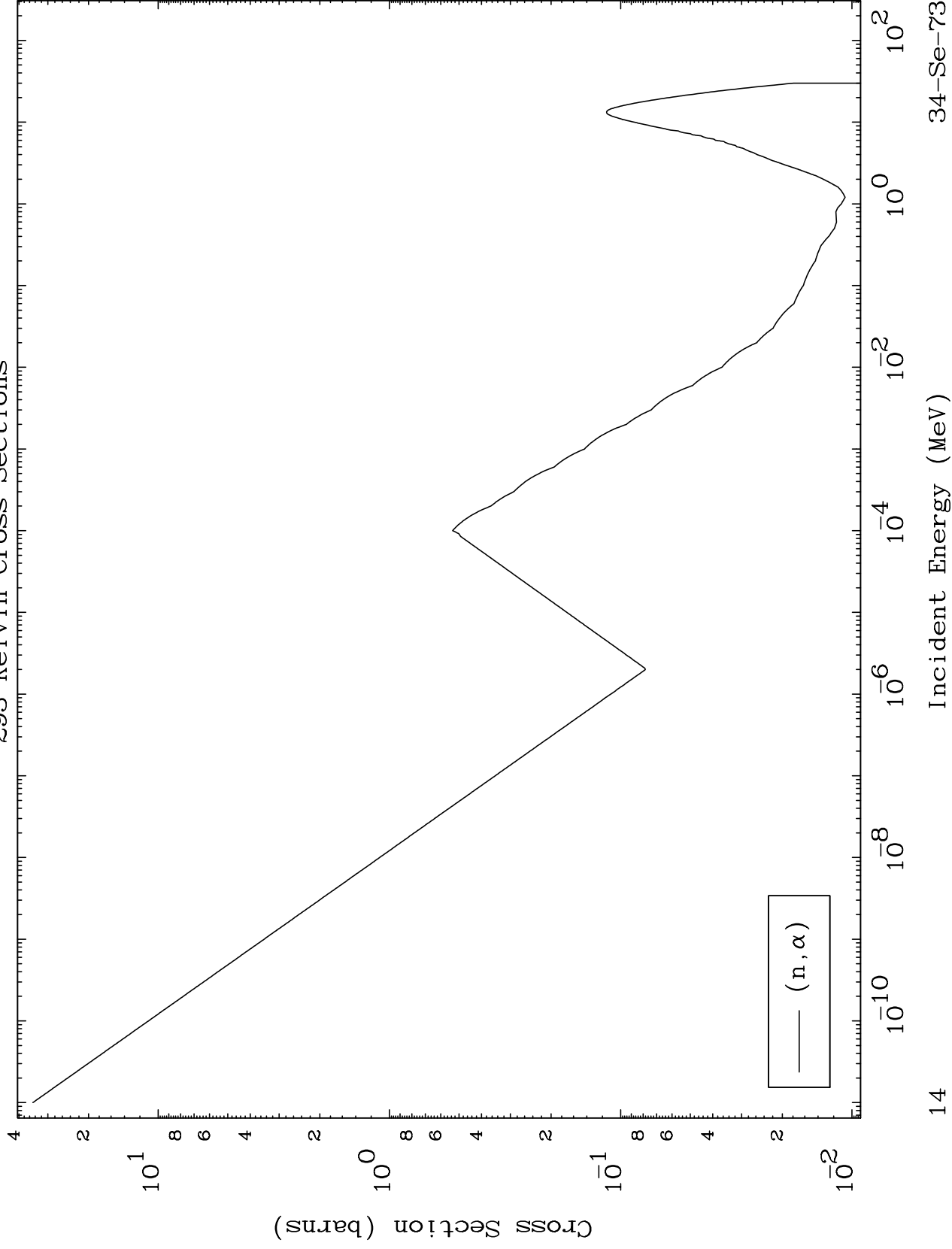
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

(n,α) Levels  
293 Kelvin Cross Sections

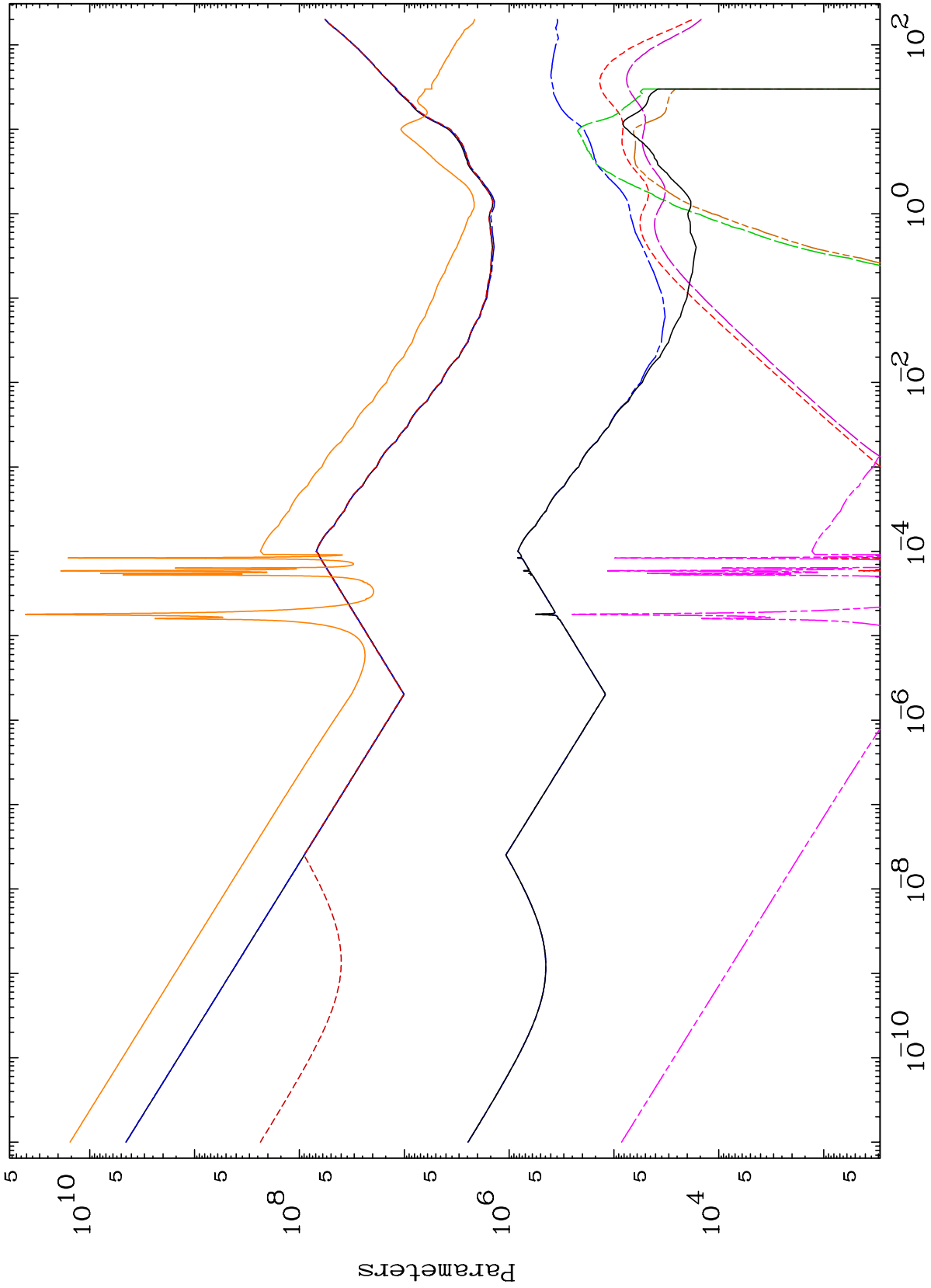
34-Se-73



MAT 3422

Energy Release  
Parameters

<sup>34</sup>Se-73

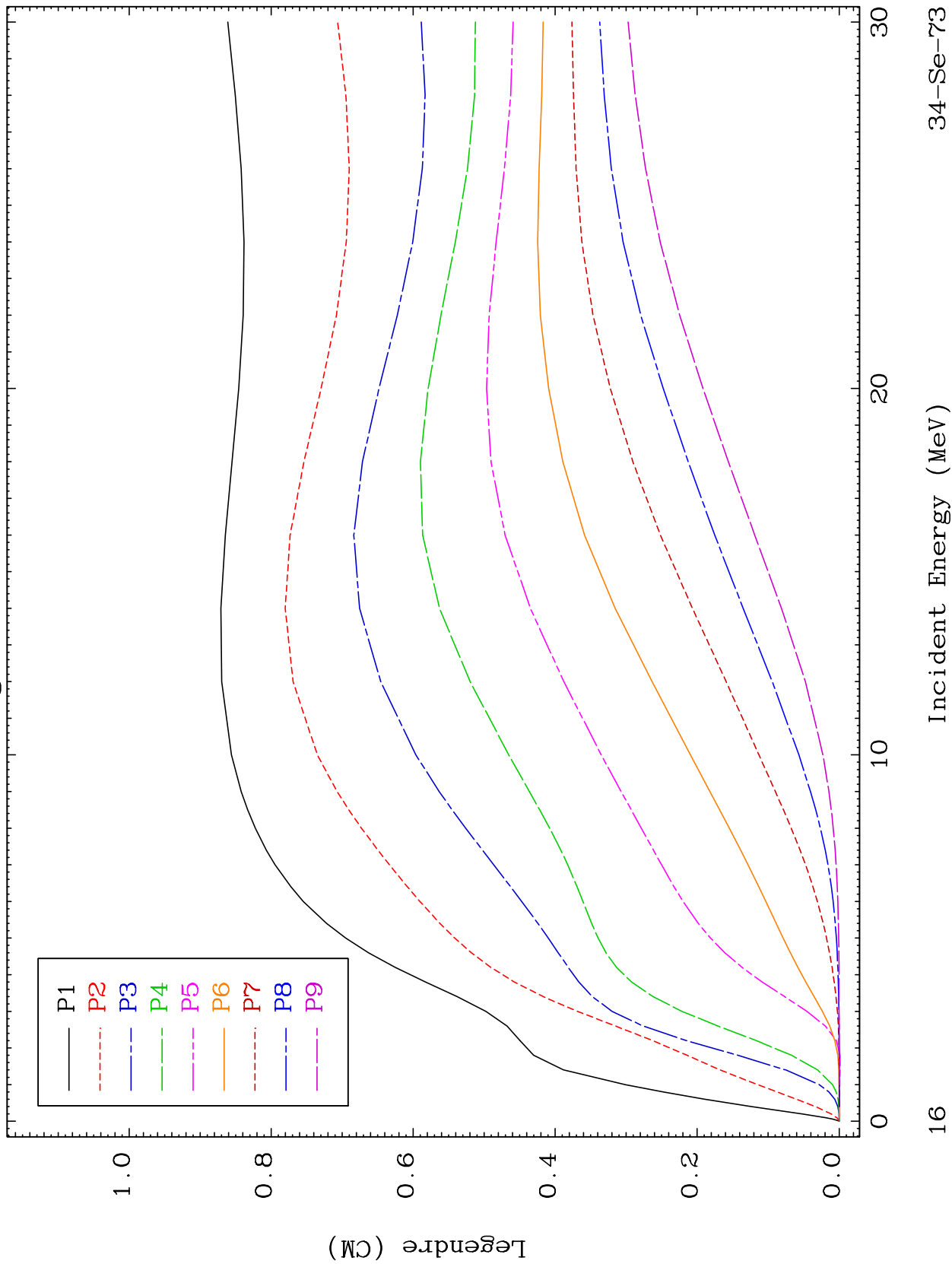




MAT 3422

Elastic Legendre Coefficients

<sup>34</sup>Se-73



16

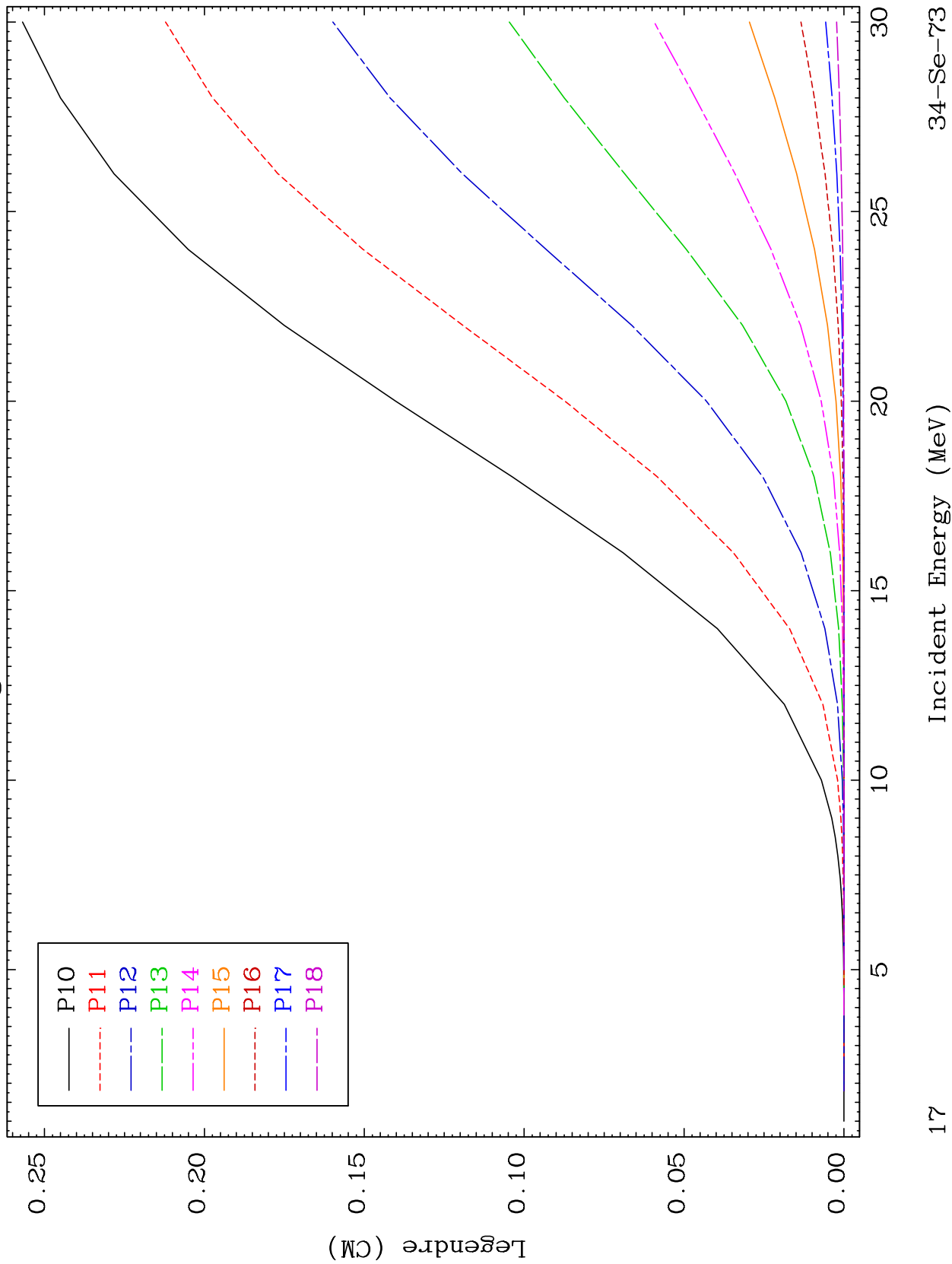
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

Elastic Legendre Coefficients

<sup>34</sup>Se-73

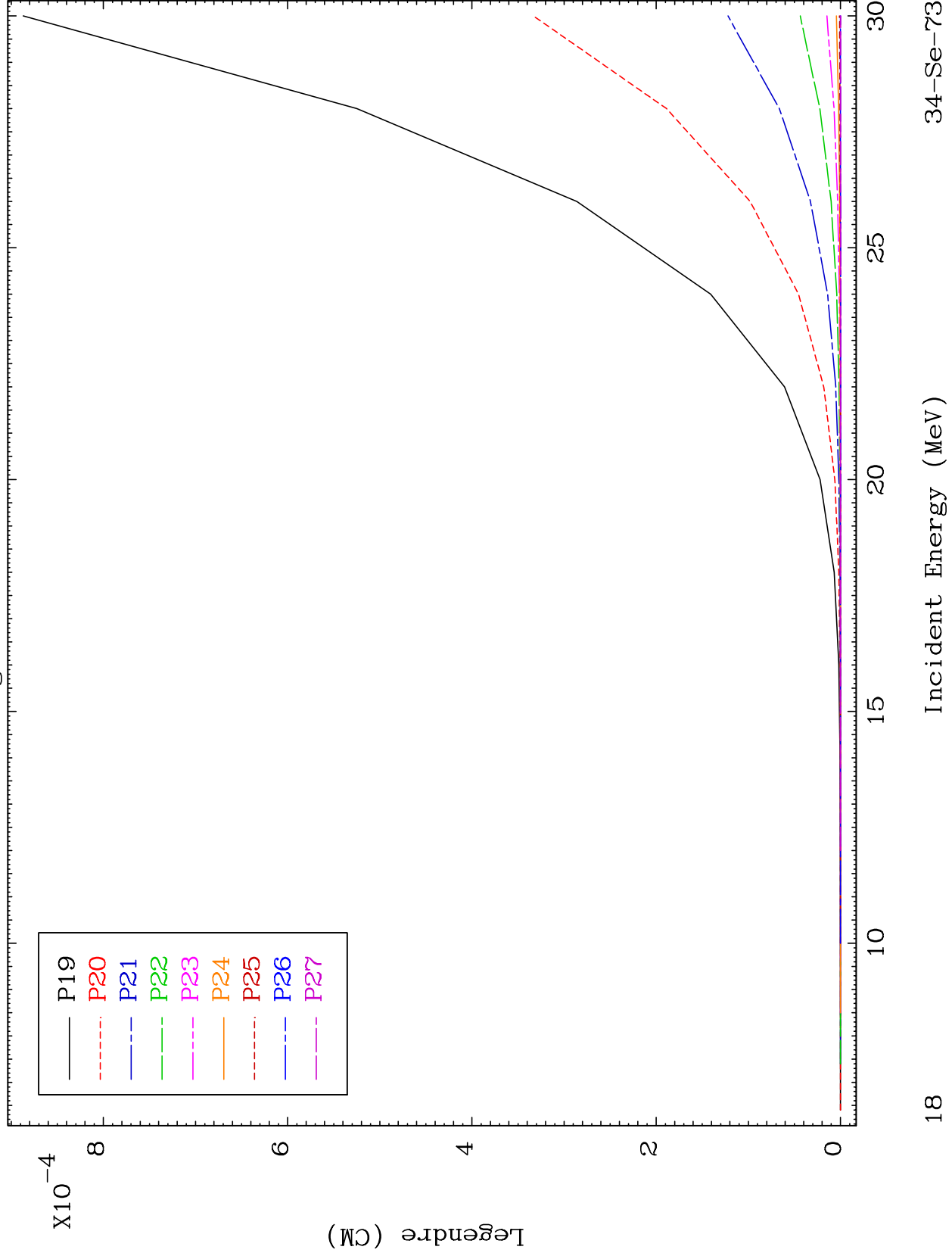


17

MAT 3422

Elastic Legendre Coefficients

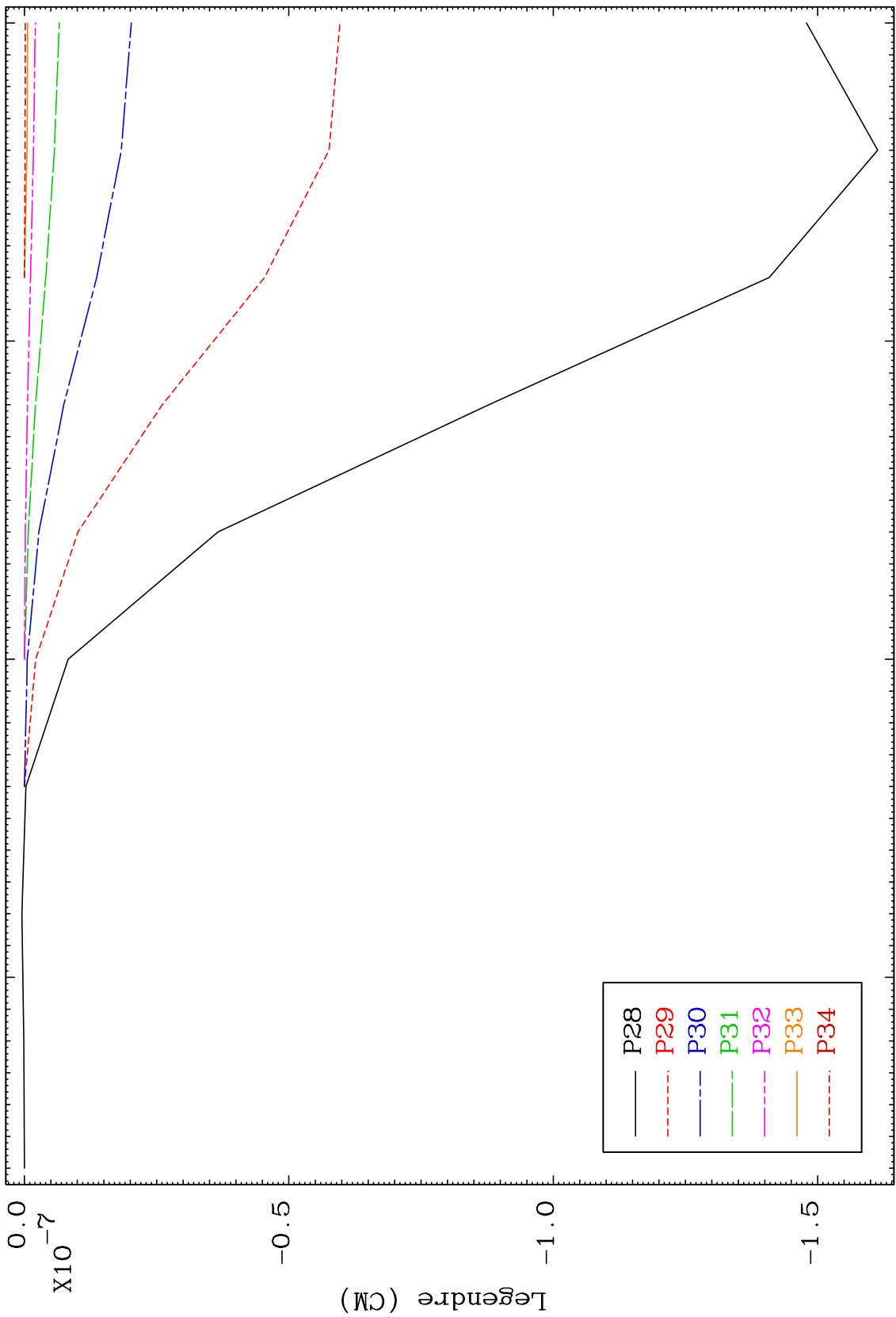
<sup>34</sup>Se-73



MAT 3422

<sup>34</sup>Se-73

Elastic Legendre Coefficients



19

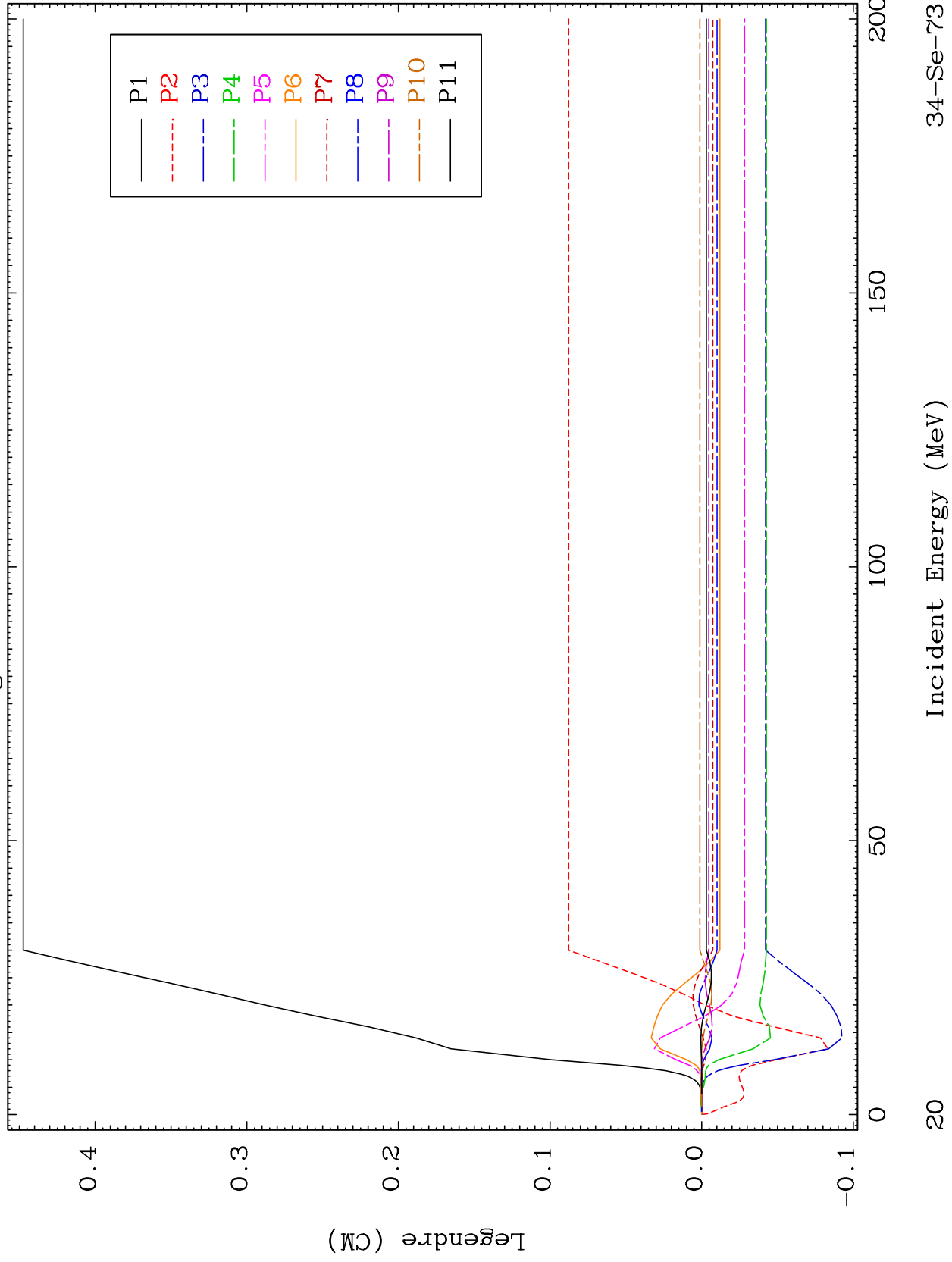
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

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

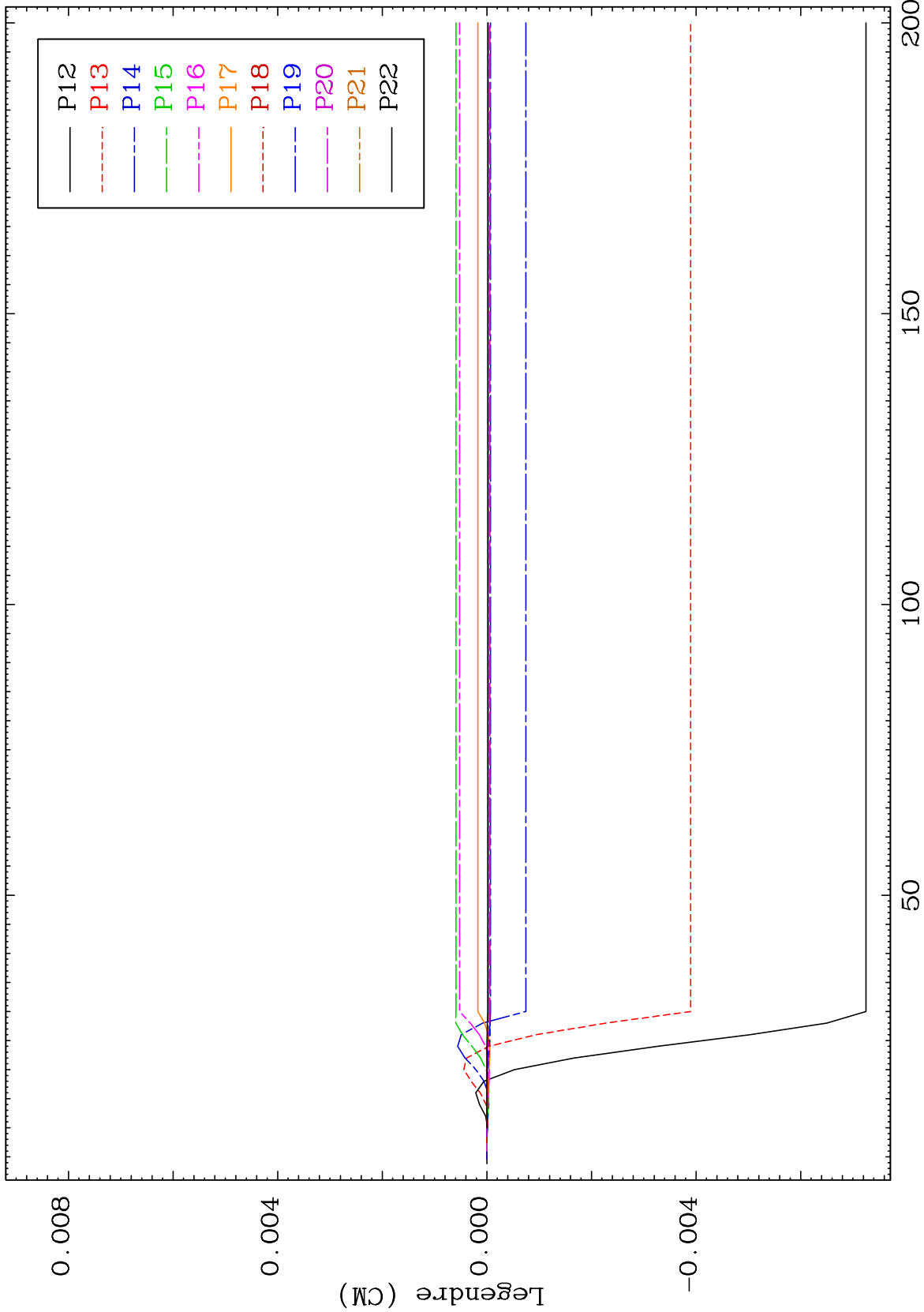
<sup>34</sup>Se-73

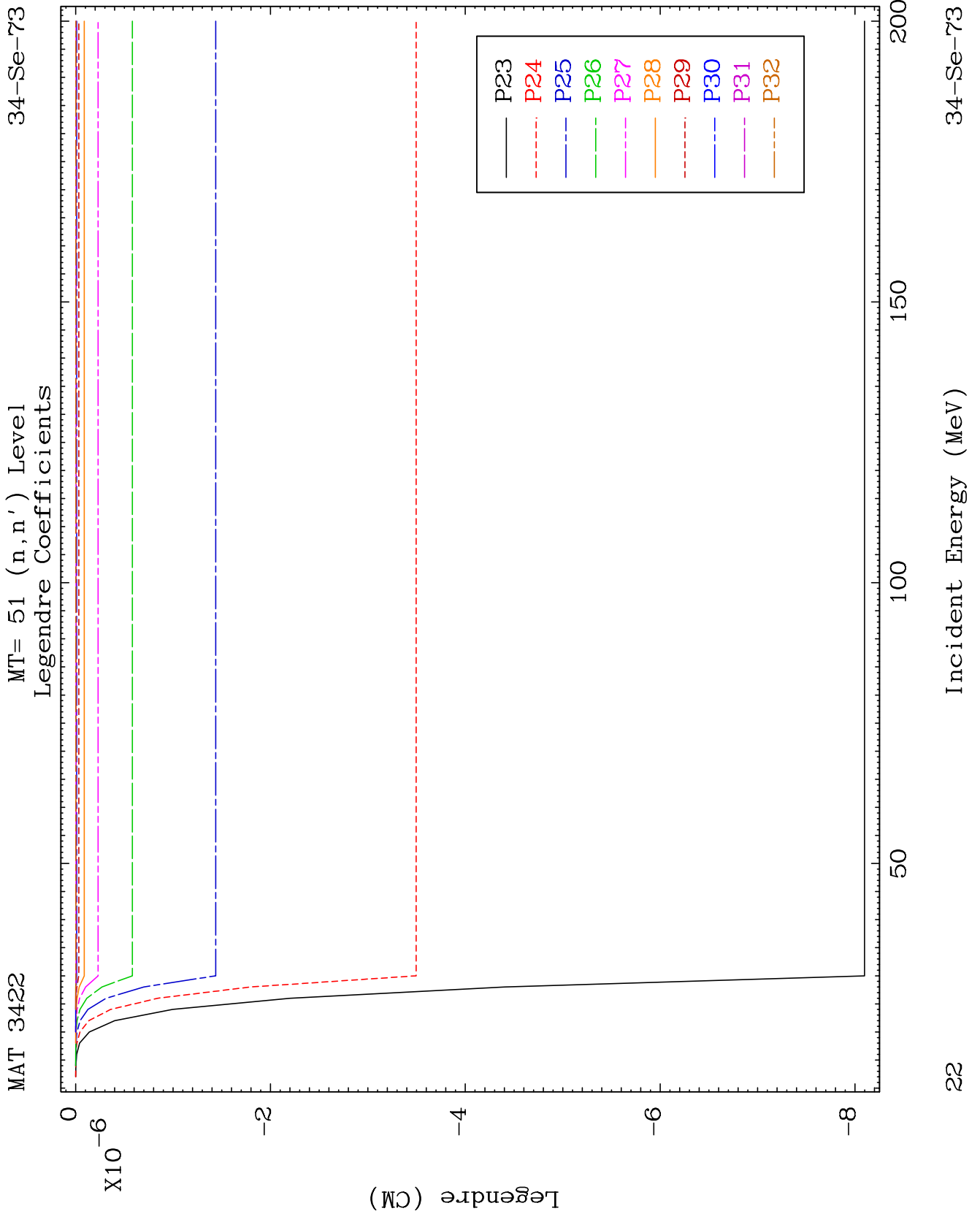


MAT 3422

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

<sup>34</sup>Se-73

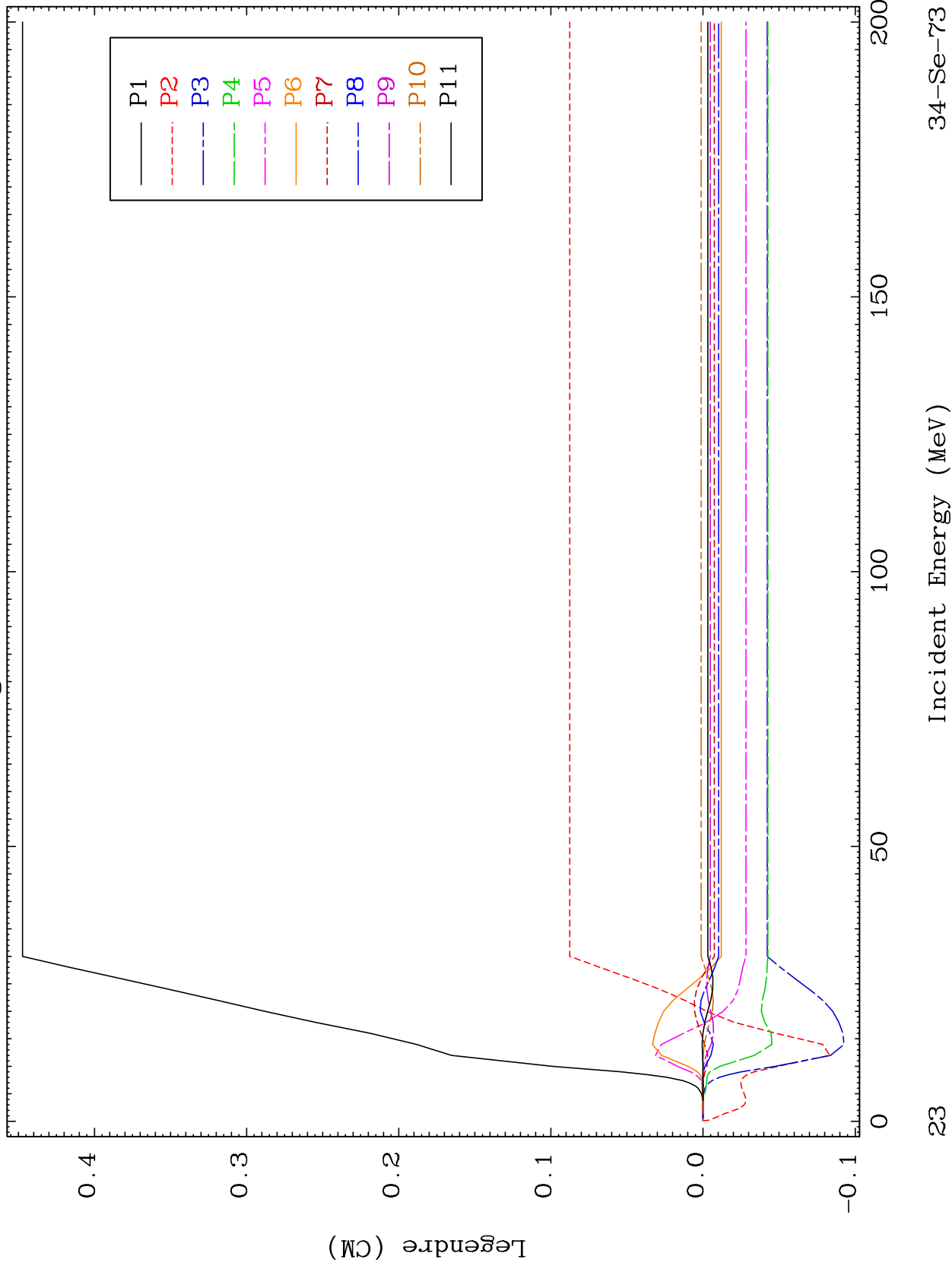




MAT 3422

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

<sup>34</sup>Se-73



23

Incident Energy (MeV)

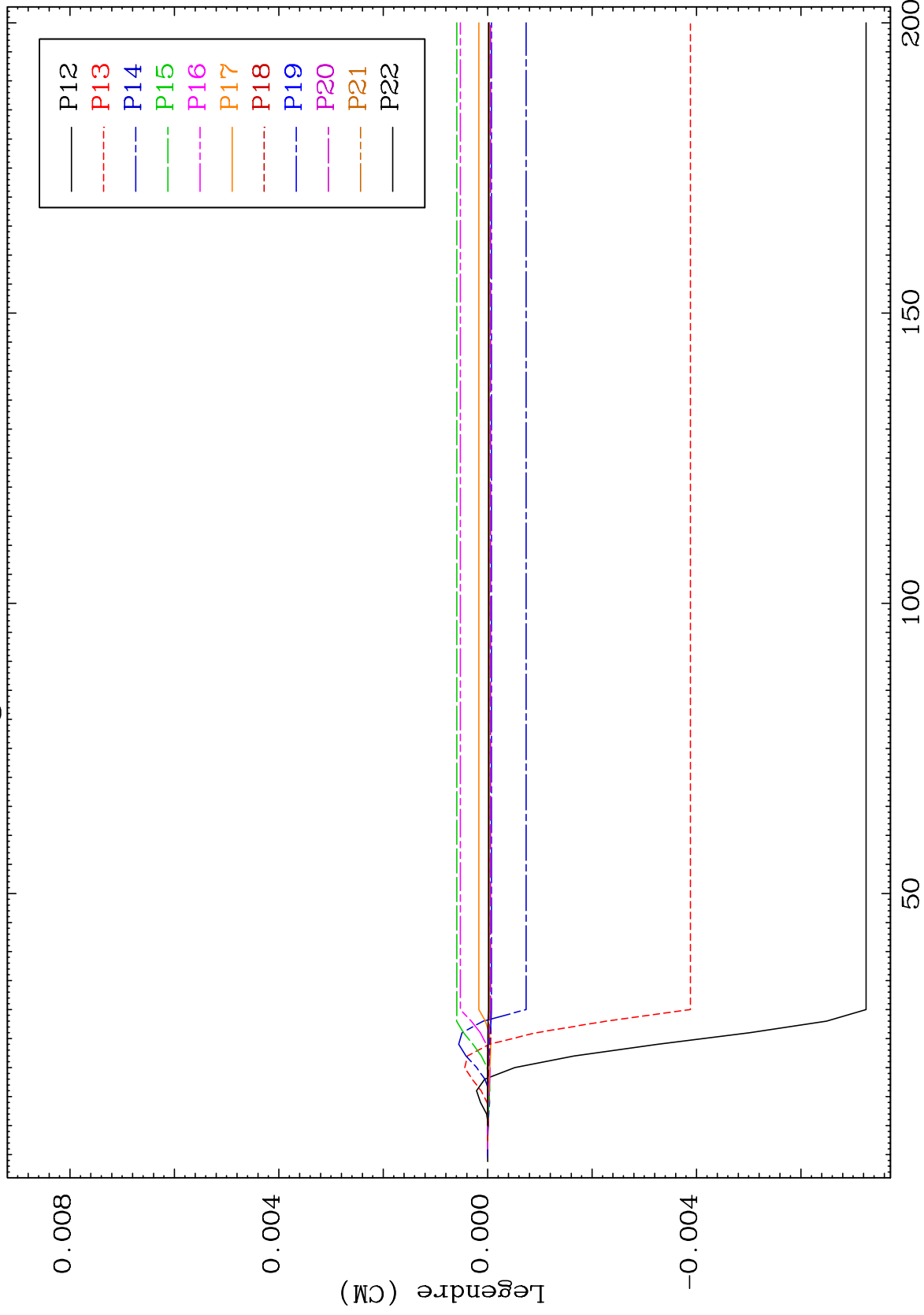
<sup>34</sup>Se-73



MAT 3422

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

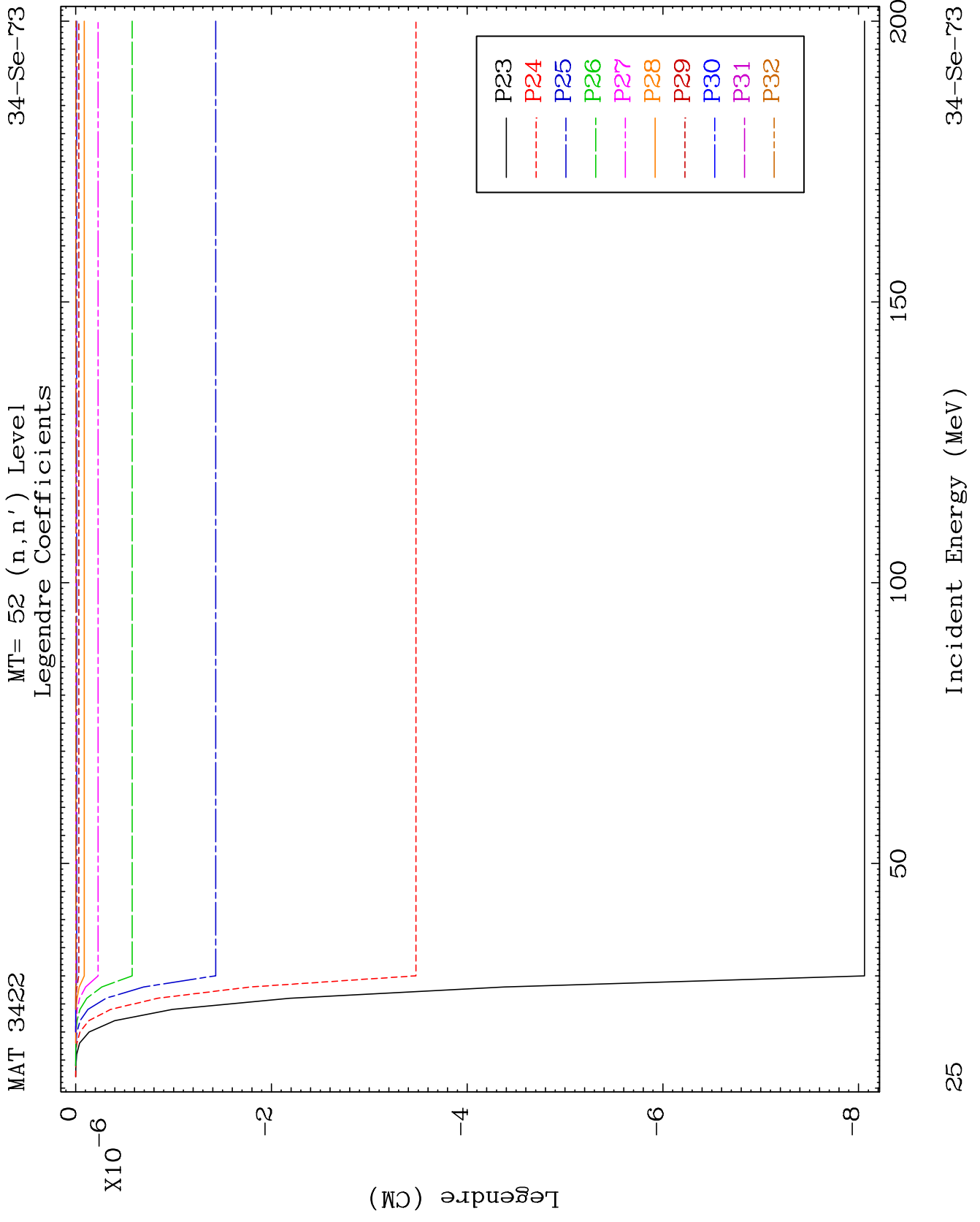
<sup>34</sup>Se-73



24

Incident Energy (MeV)

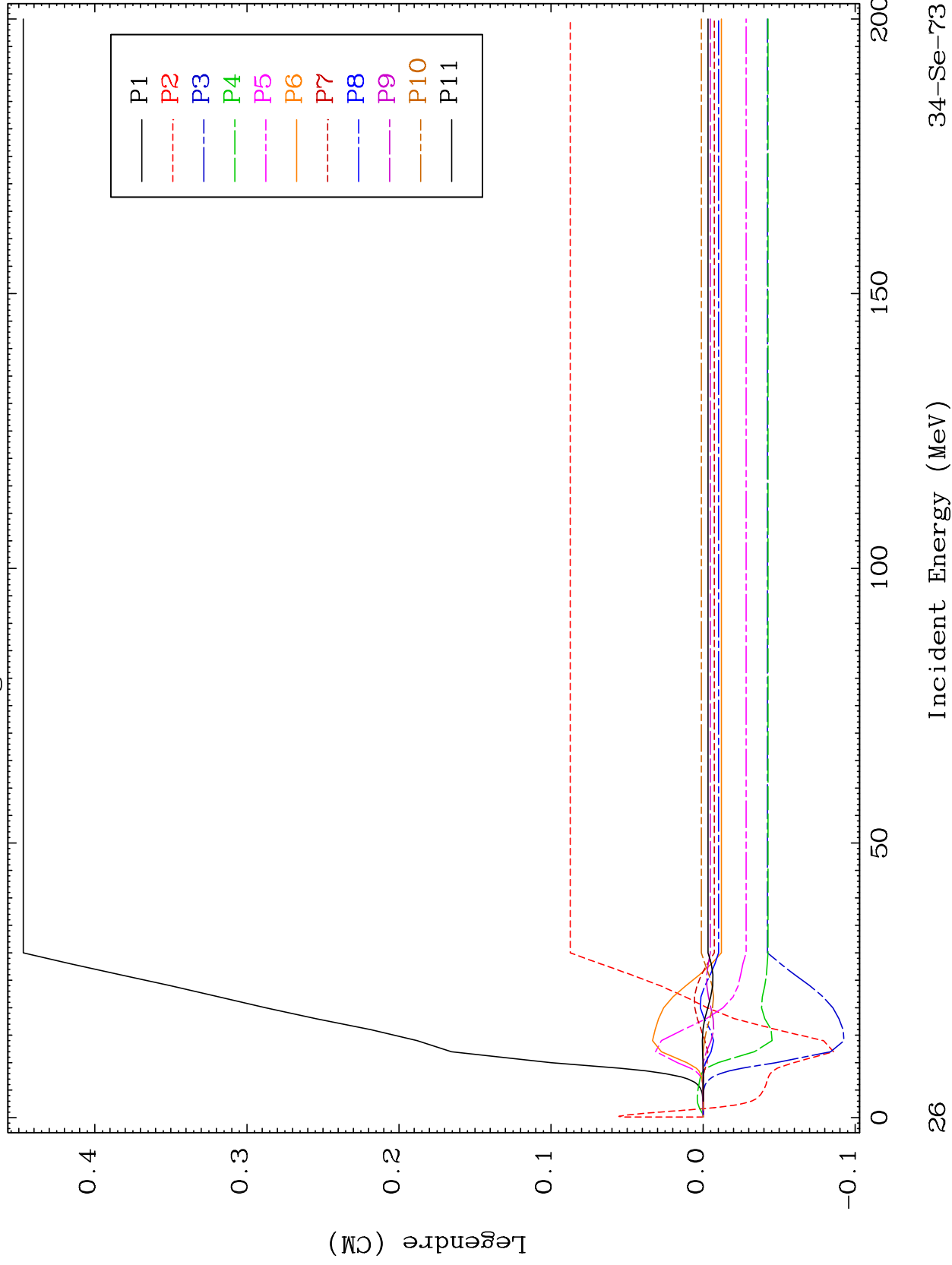
<sup>34</sup>Se-73



MAT 3422

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

34-Se-73



34-Se-73

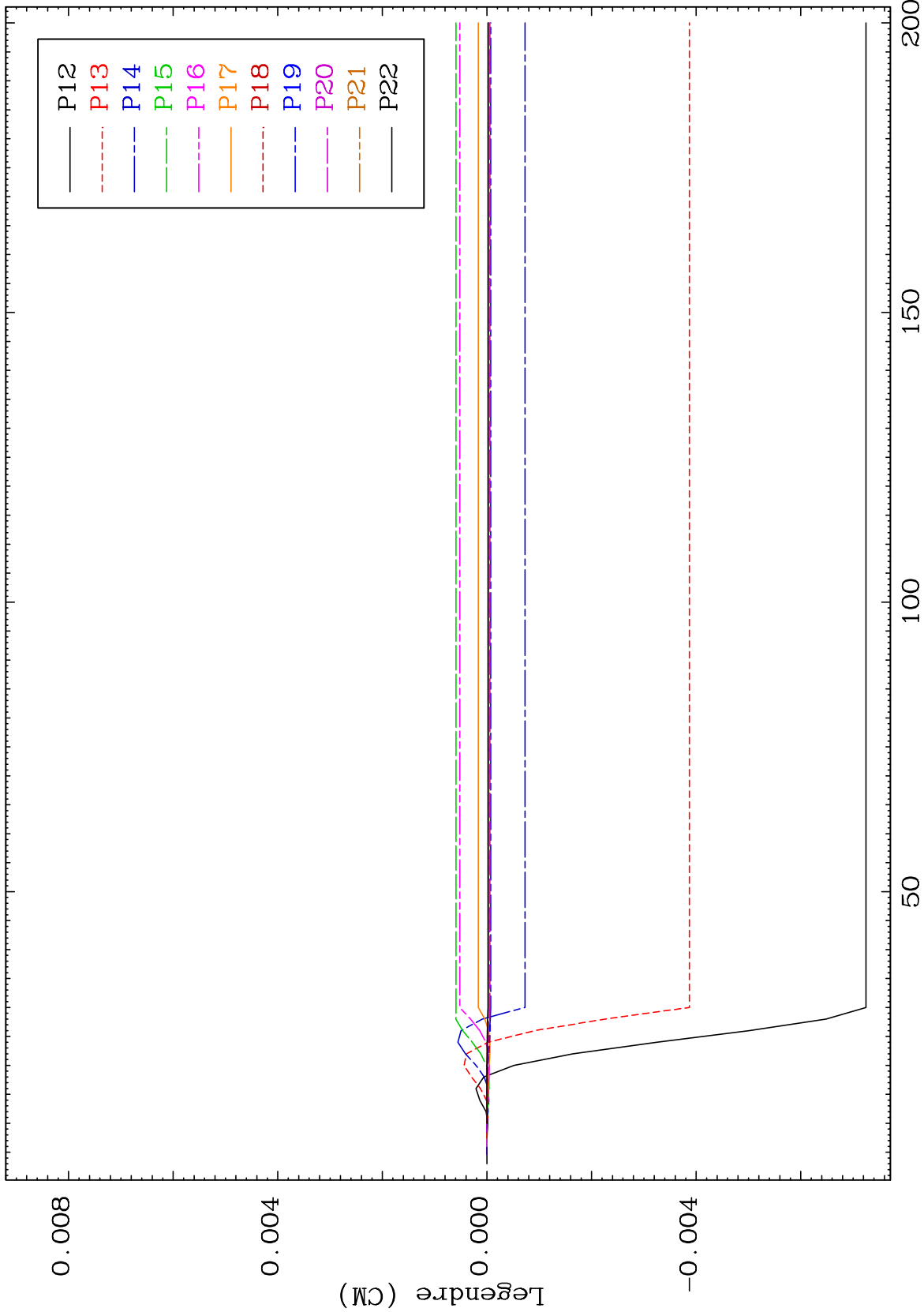
Incident Energy (MeV)

26

MAT 3422

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

<sup>34</sup>Se-73



27

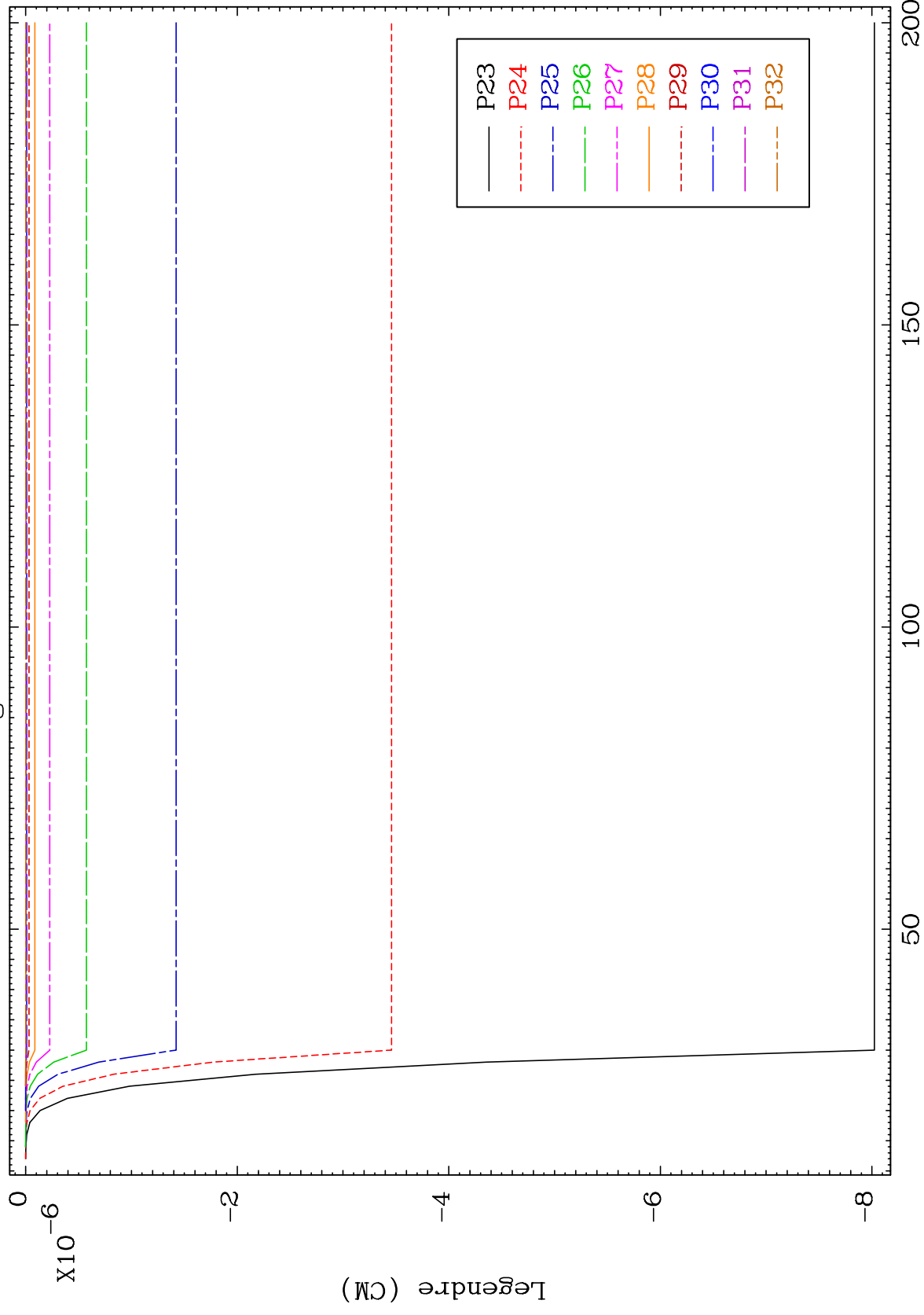
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

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

34-Se-73



28

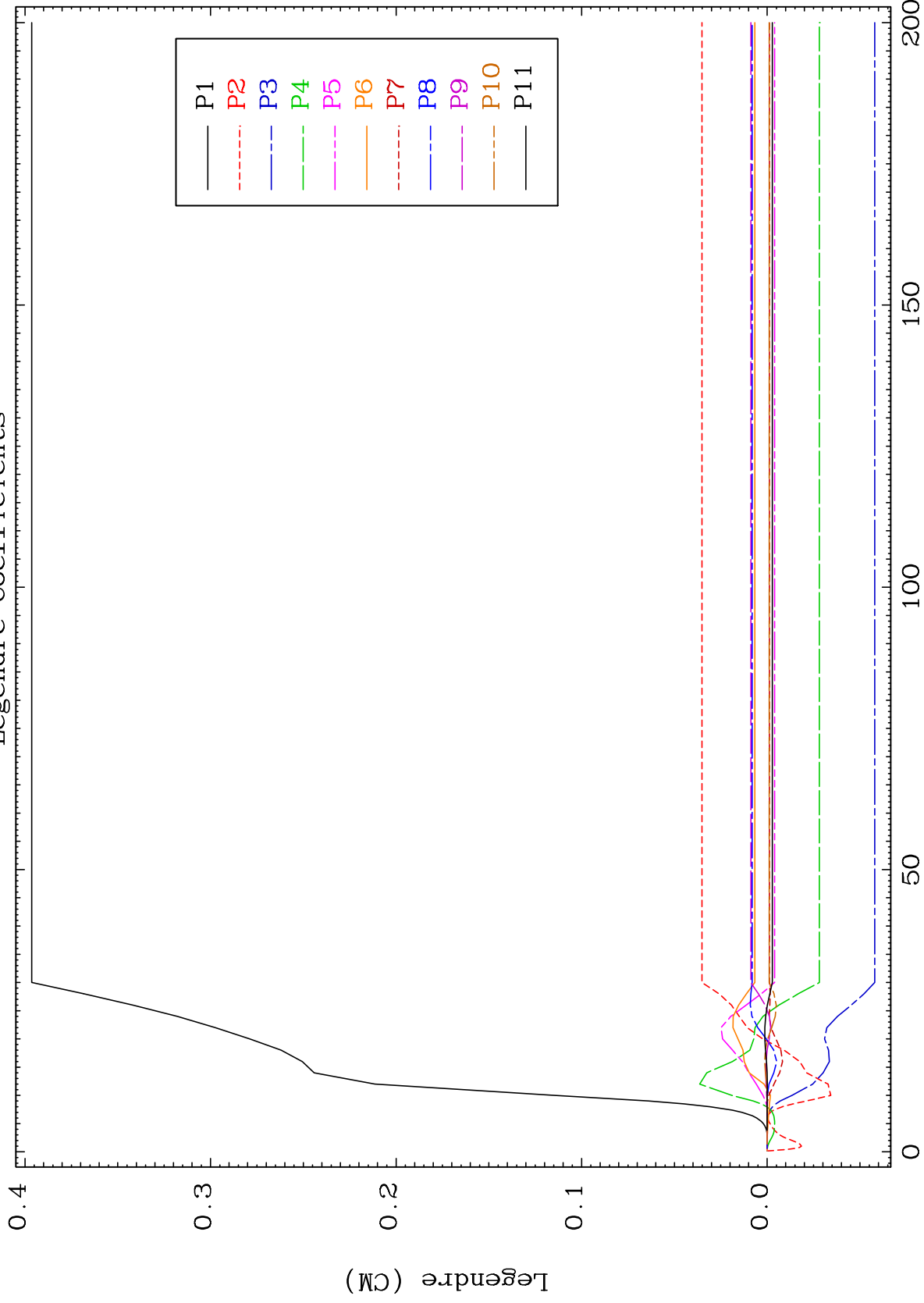
Incident Energy (MeV)

34-Se-73

MAT 3422

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

<sup>34</sup>Se-73



29

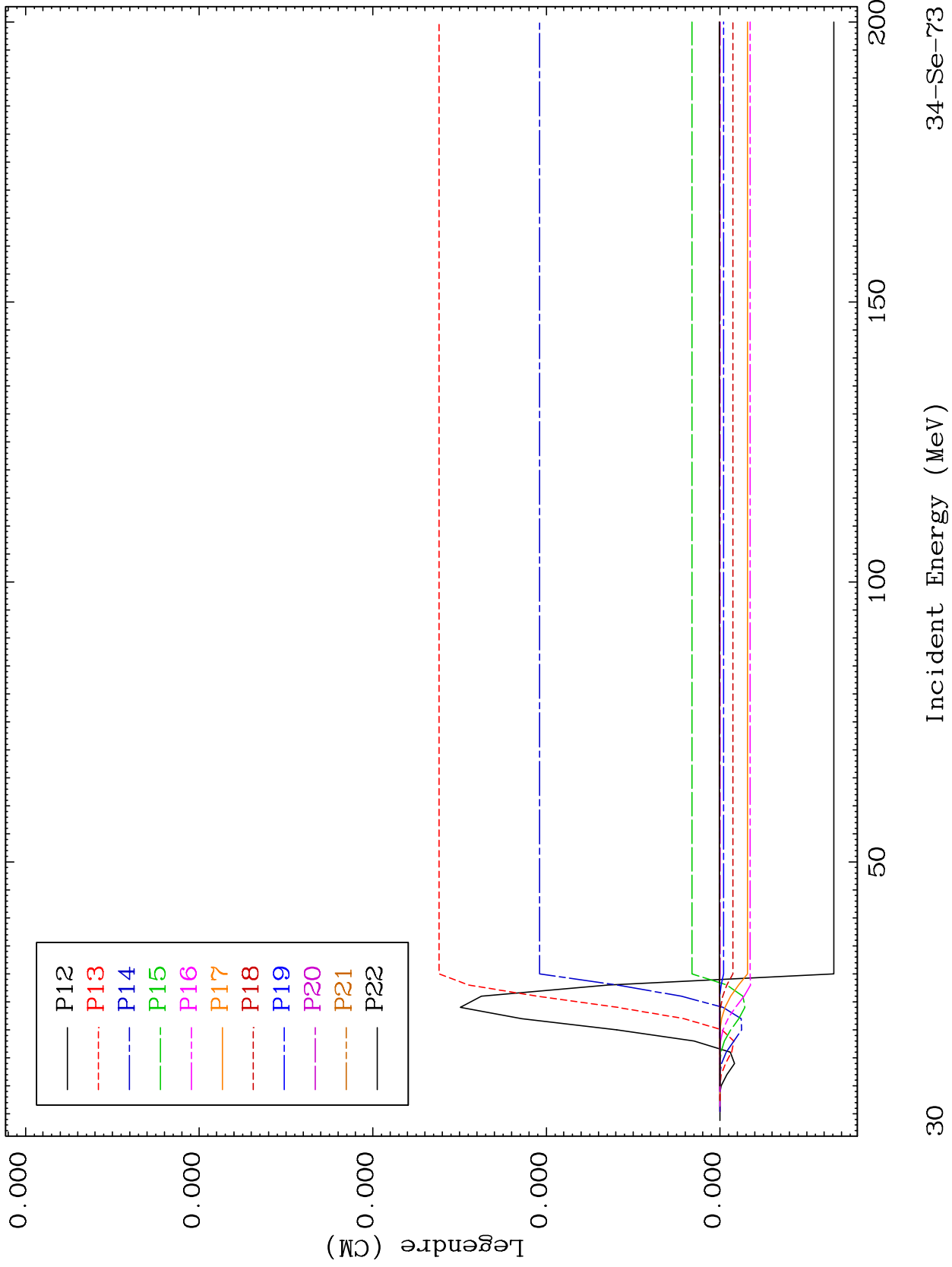
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

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

<sup>34</sup>Se-73



30

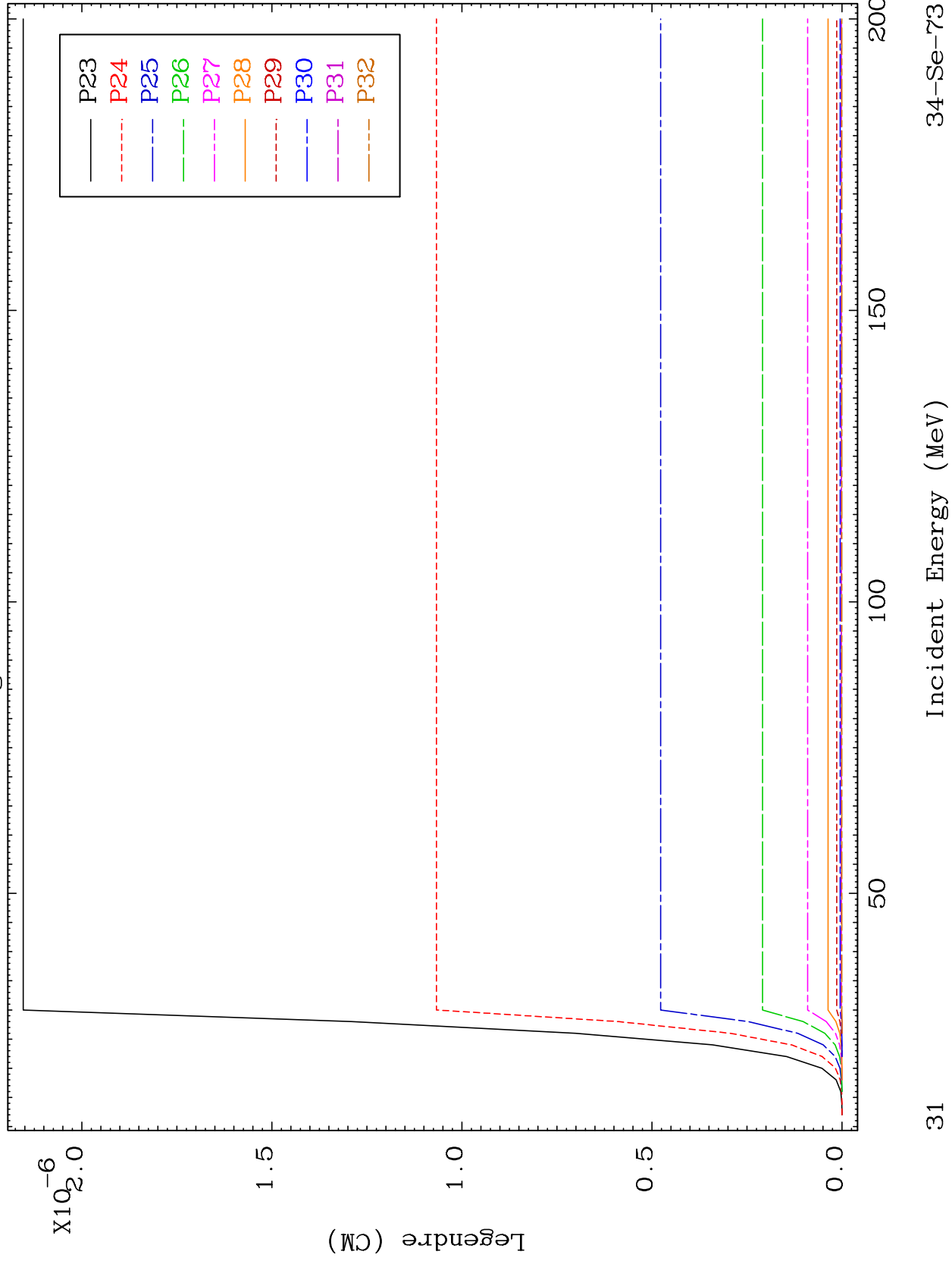
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

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

<sup>34</sup>Se-73



31

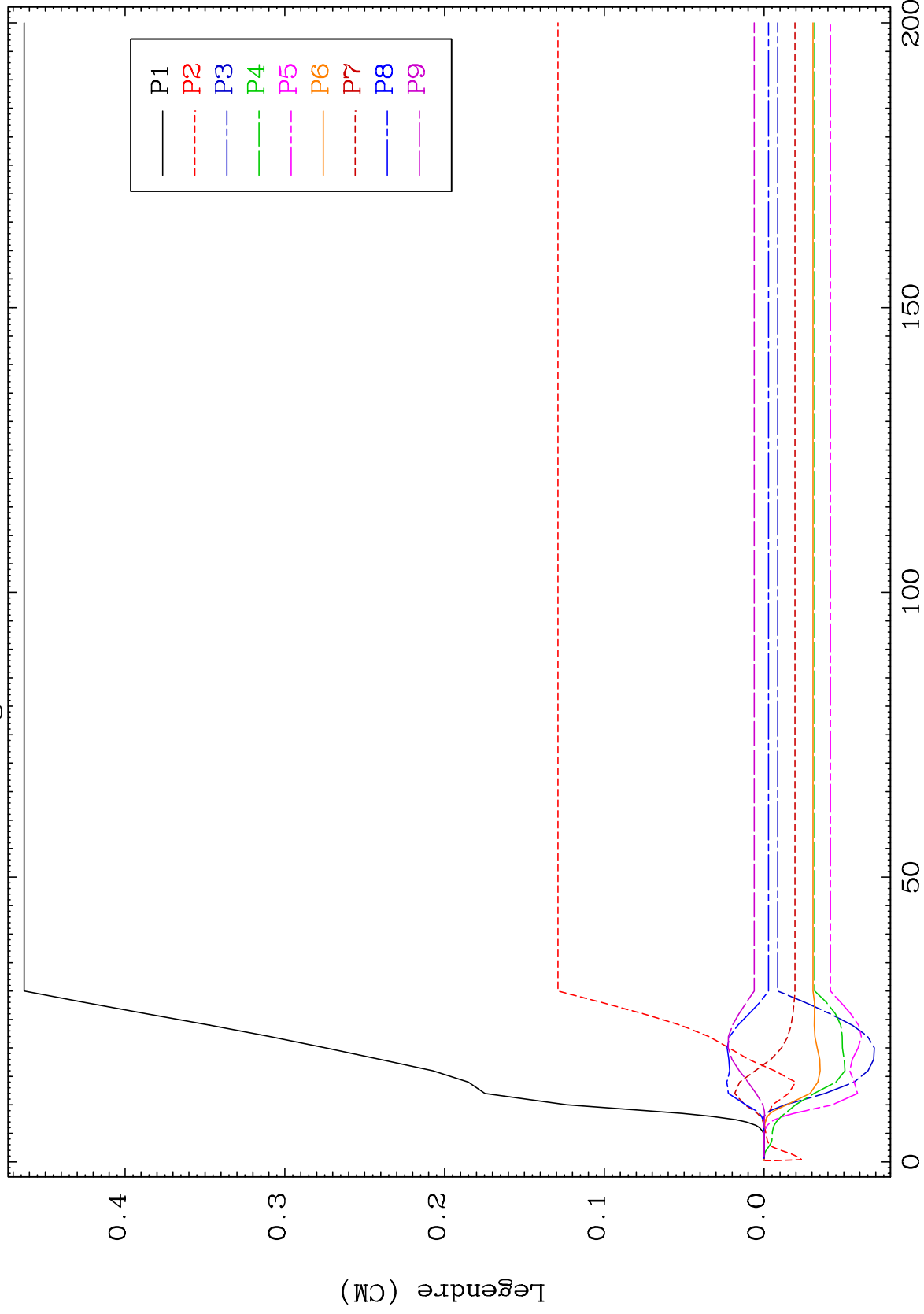
<sup>34</sup>Se-73



MAT 3422

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

34-Se-73

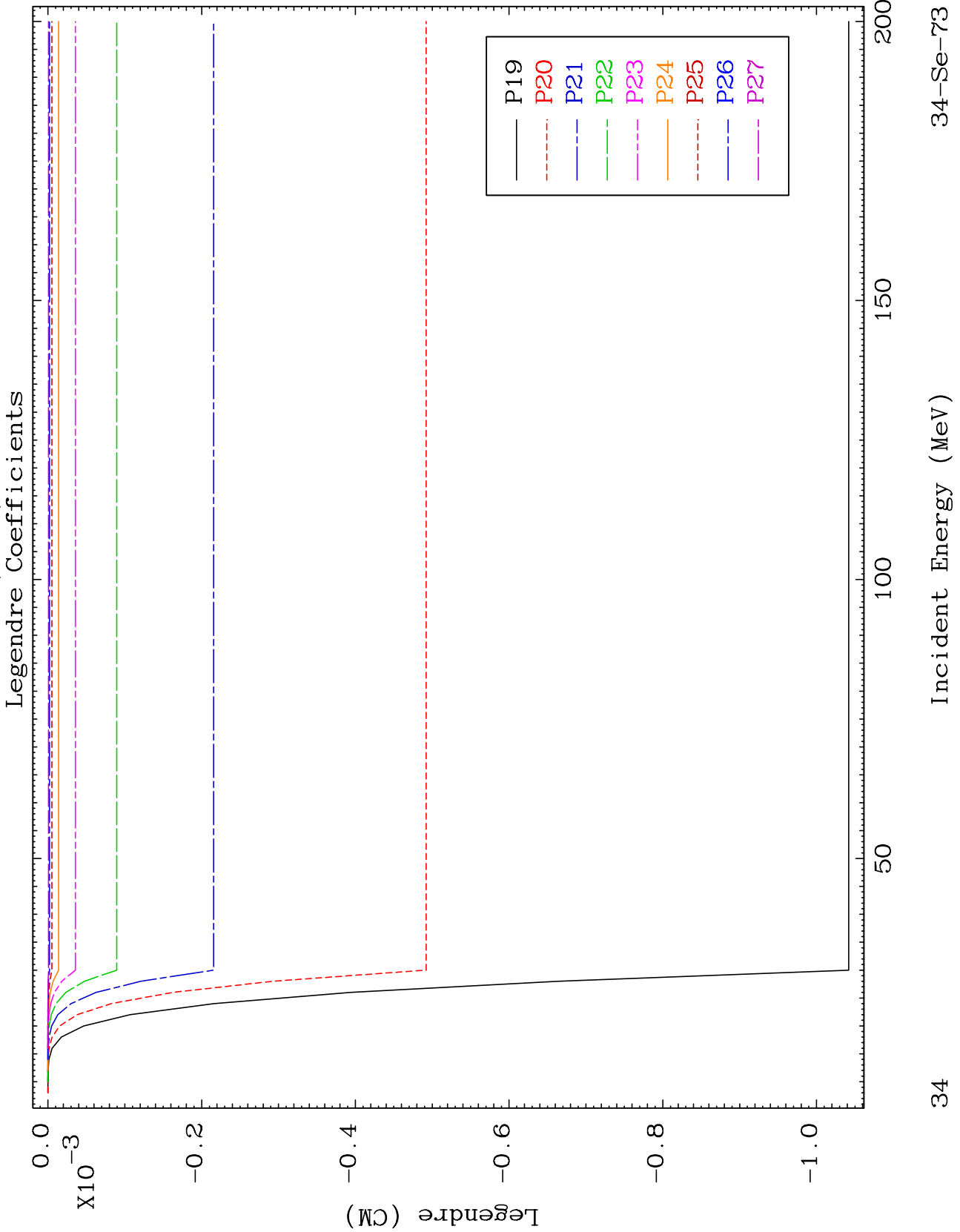


32

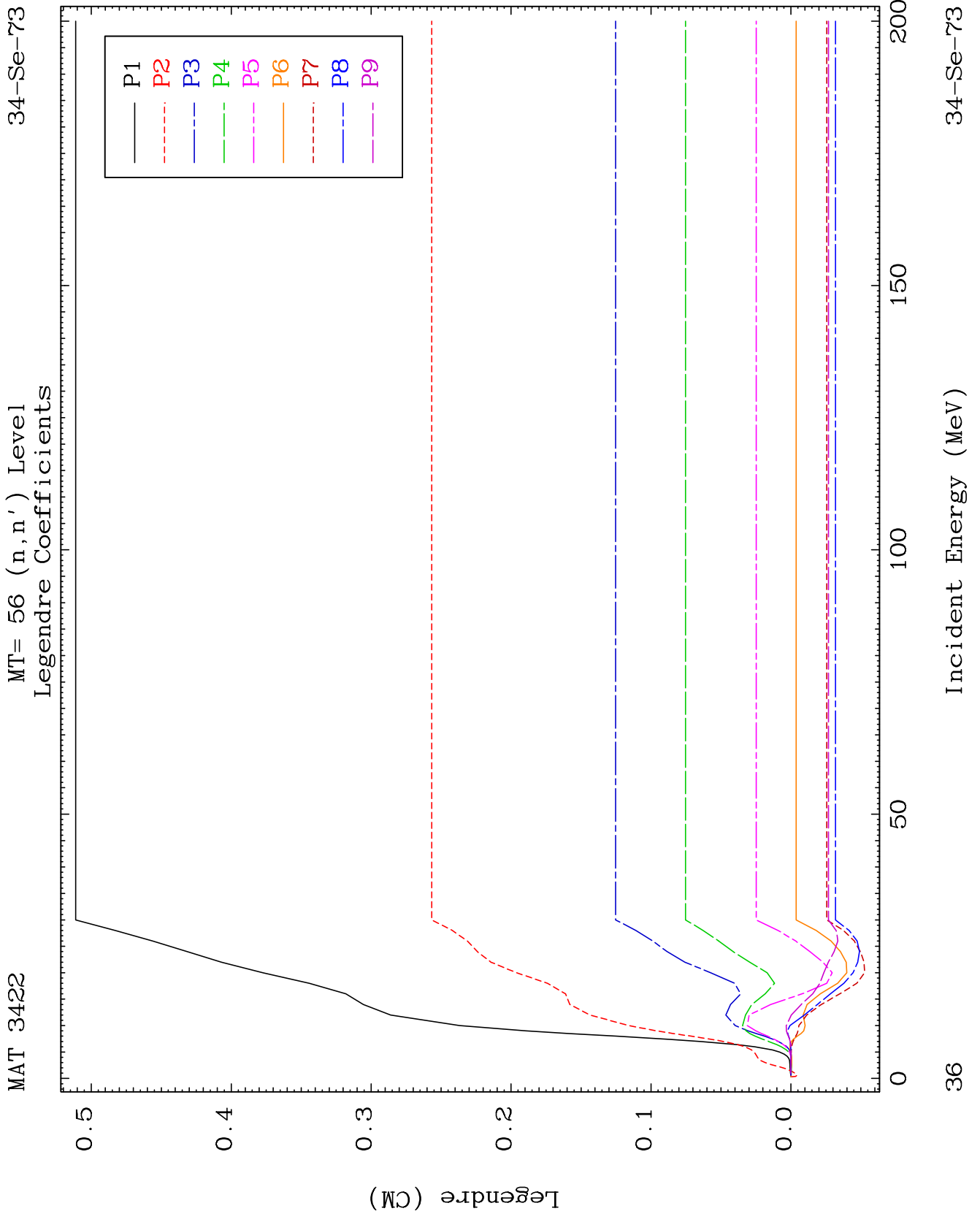
Incident Energy (MeV)

34-Se-73





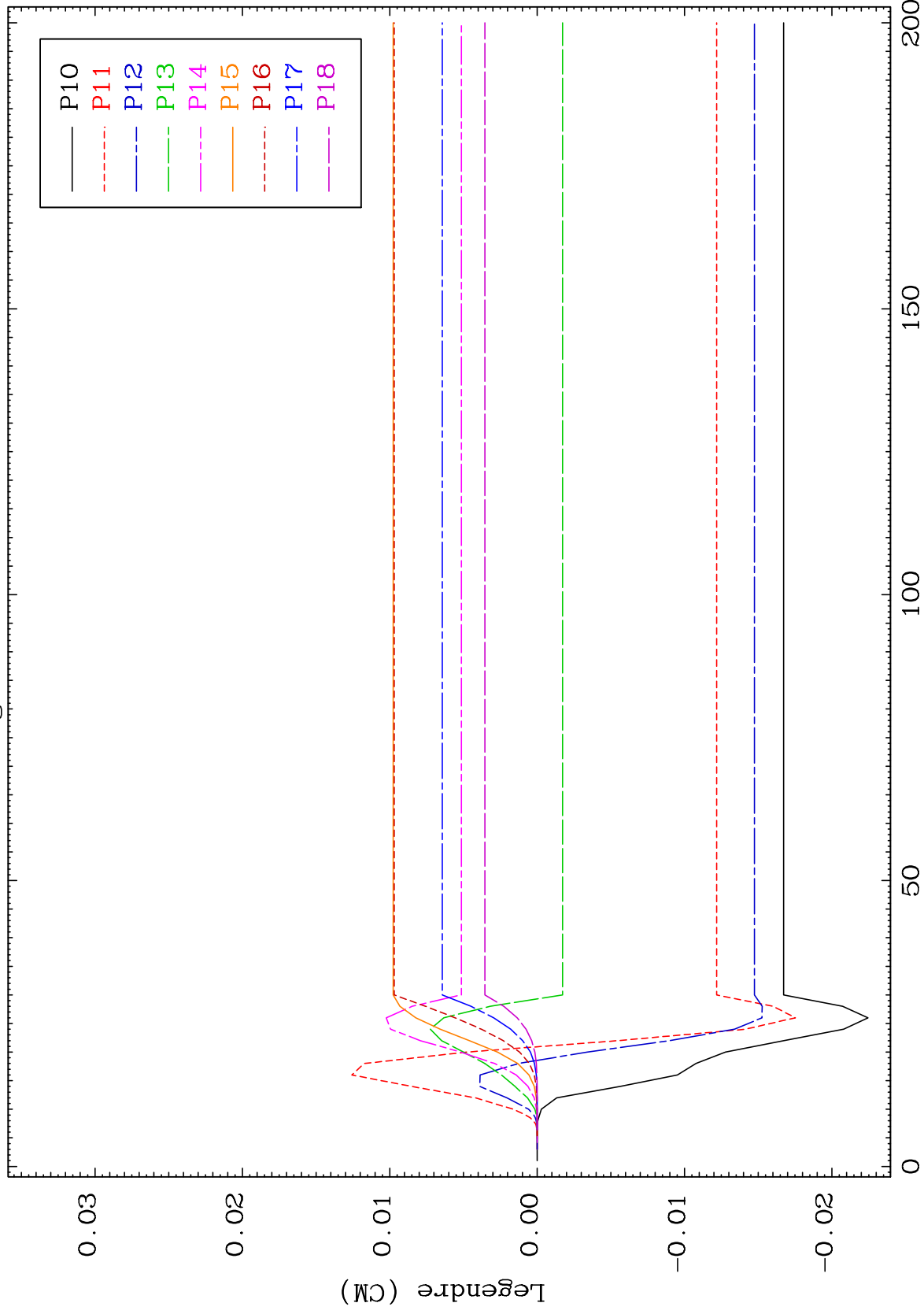




MAT 3422

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

<sup>34</sup>Se-73



37

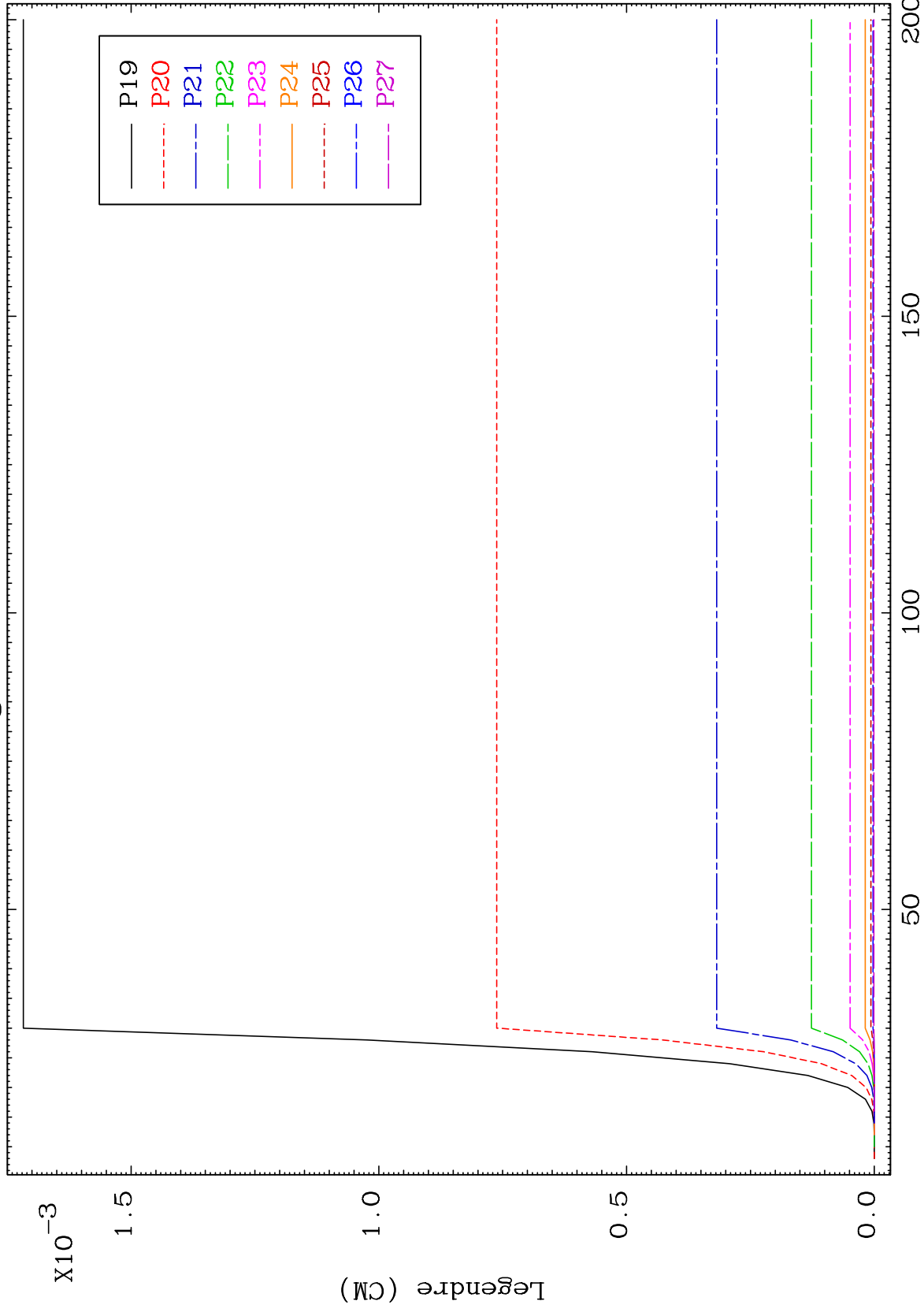
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

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

34-Se-73



38

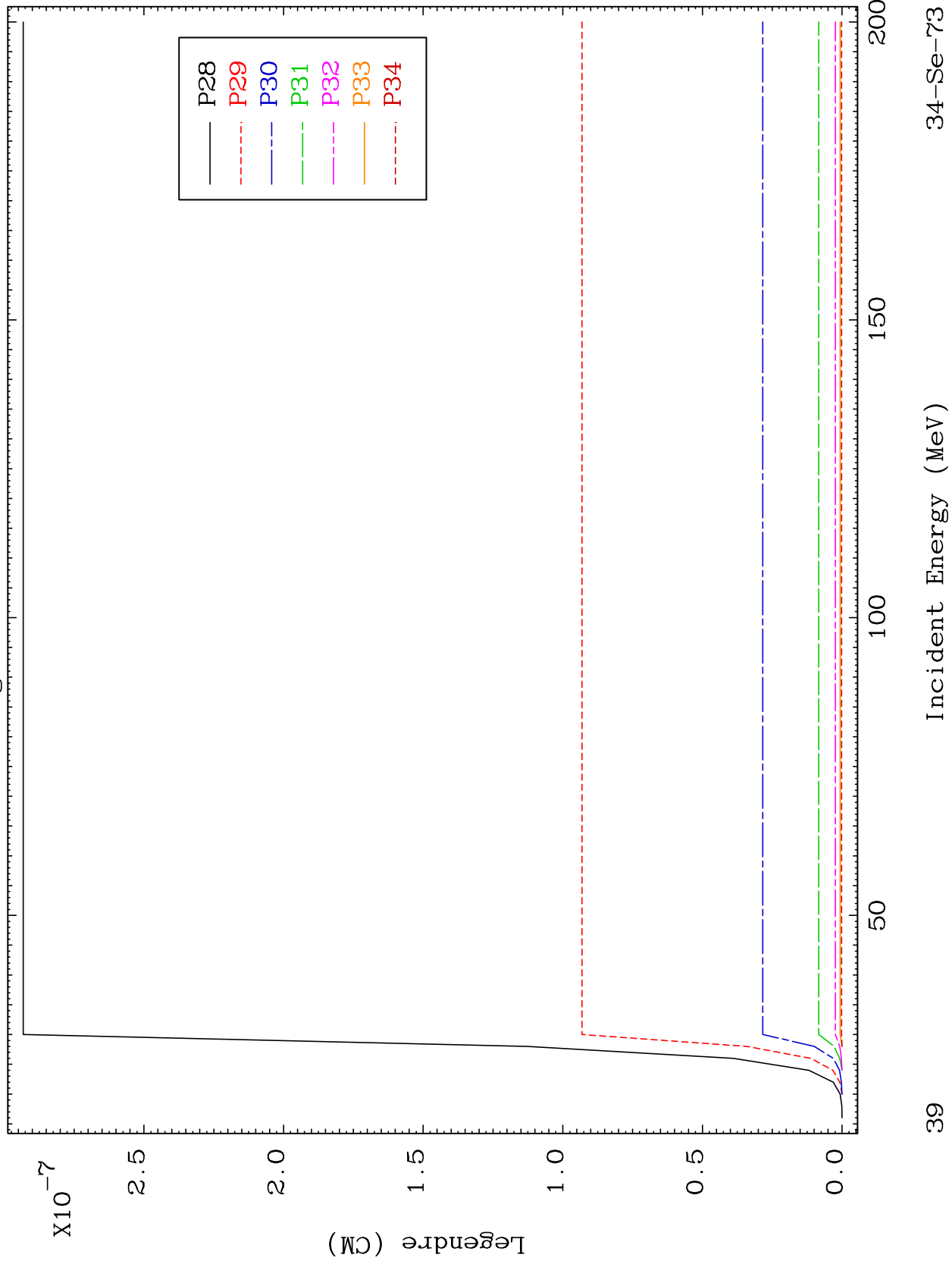
Incident Energy (MeV)

34-Se-73

MAT 3422

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

<sup>34</sup>Se-73

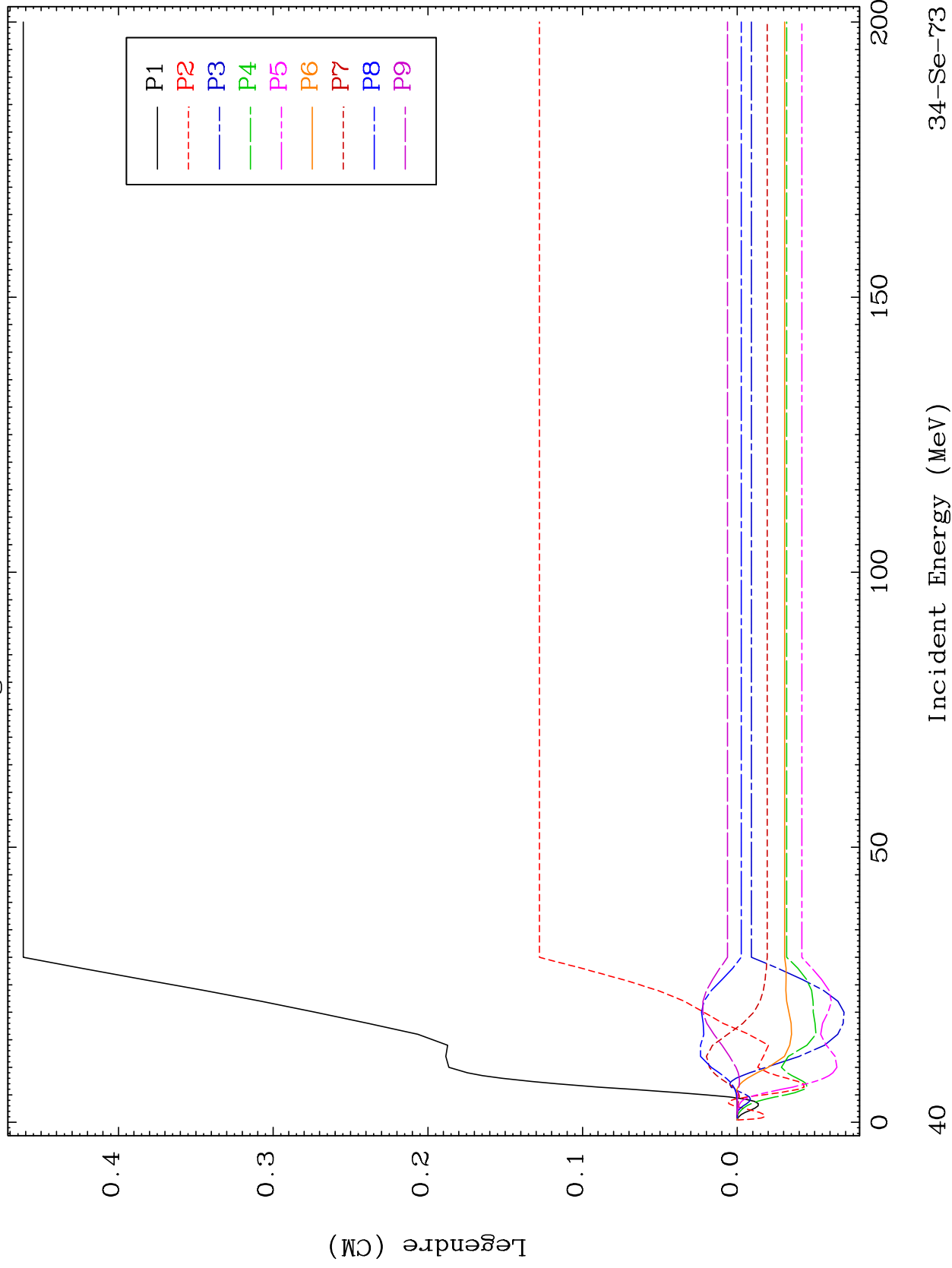




MAT 3422

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

<sup>34</sup>Se-73

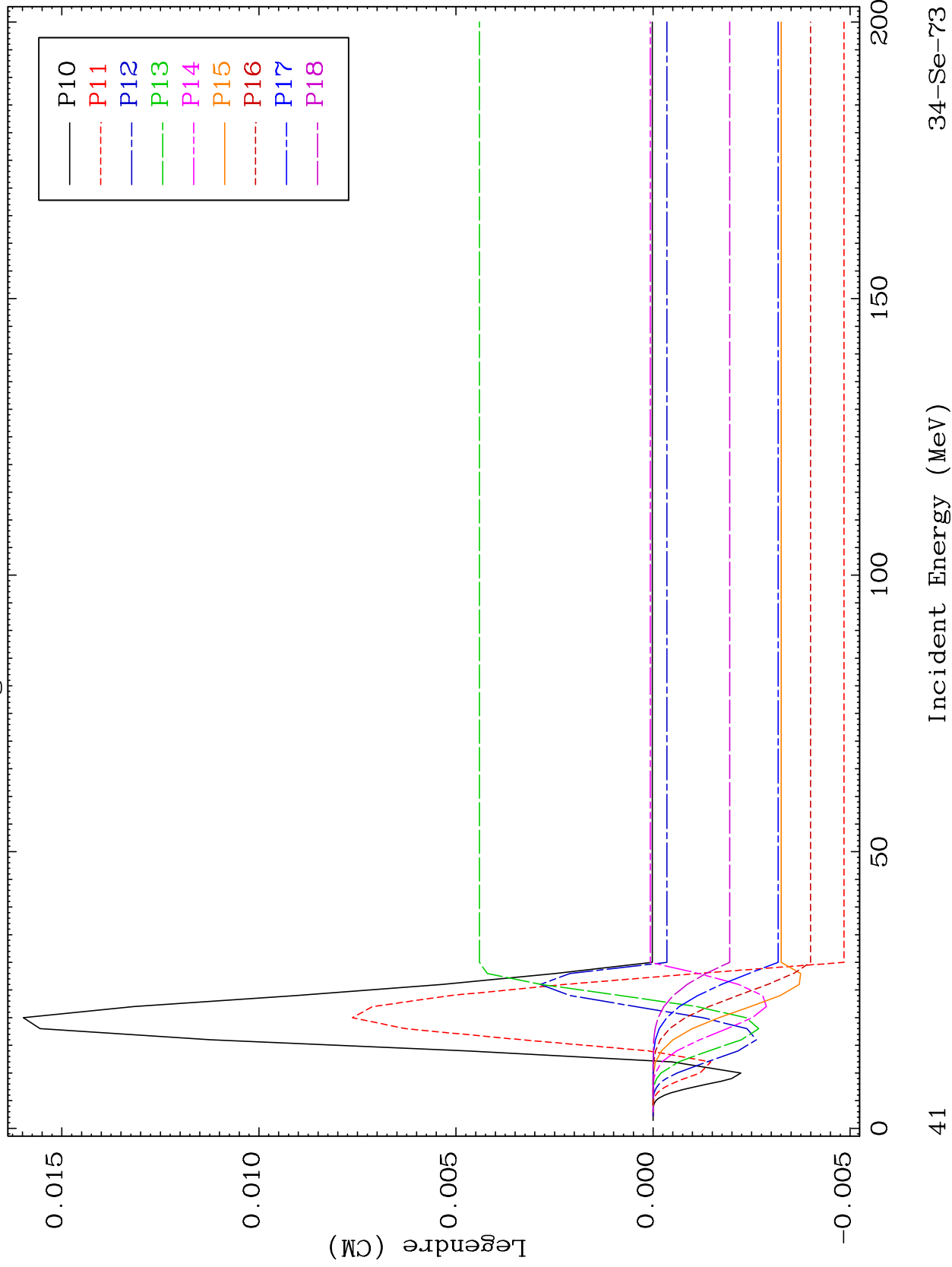


<sup>34</sup>Se-73

MAT 3422

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

<sup>34</sup>Se-73



41

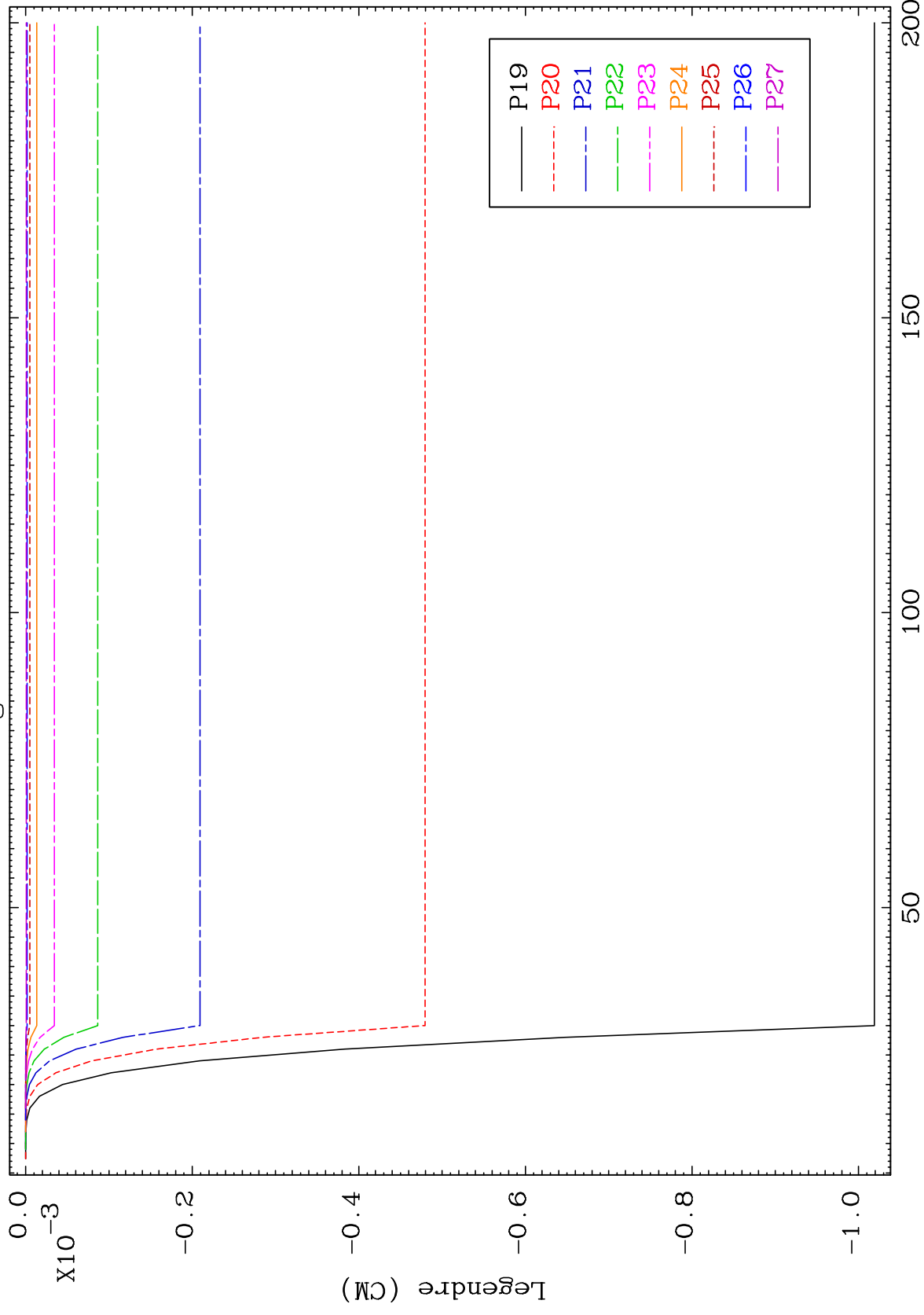
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

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

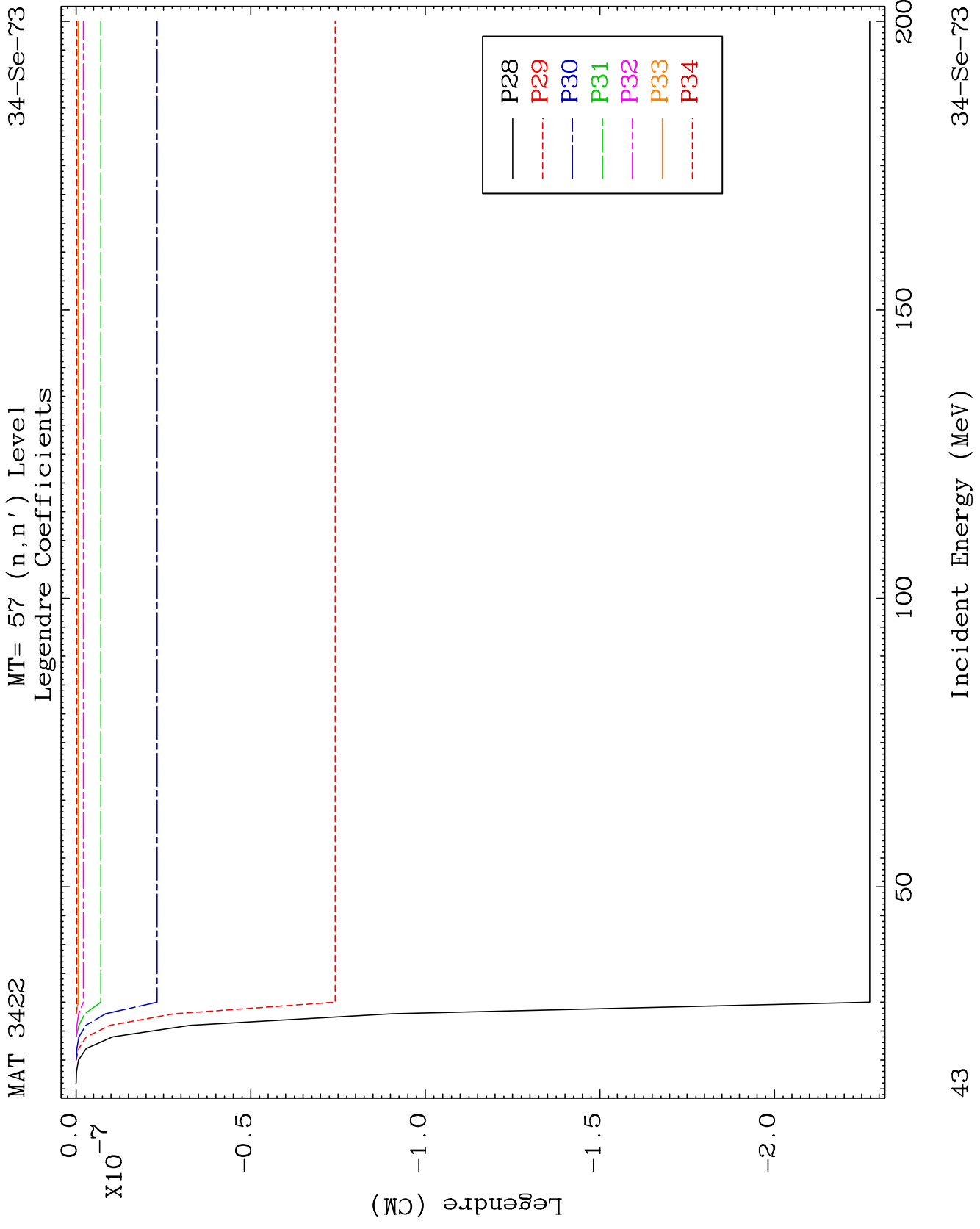
34-Se-73



42

Incident Energy (MeV)

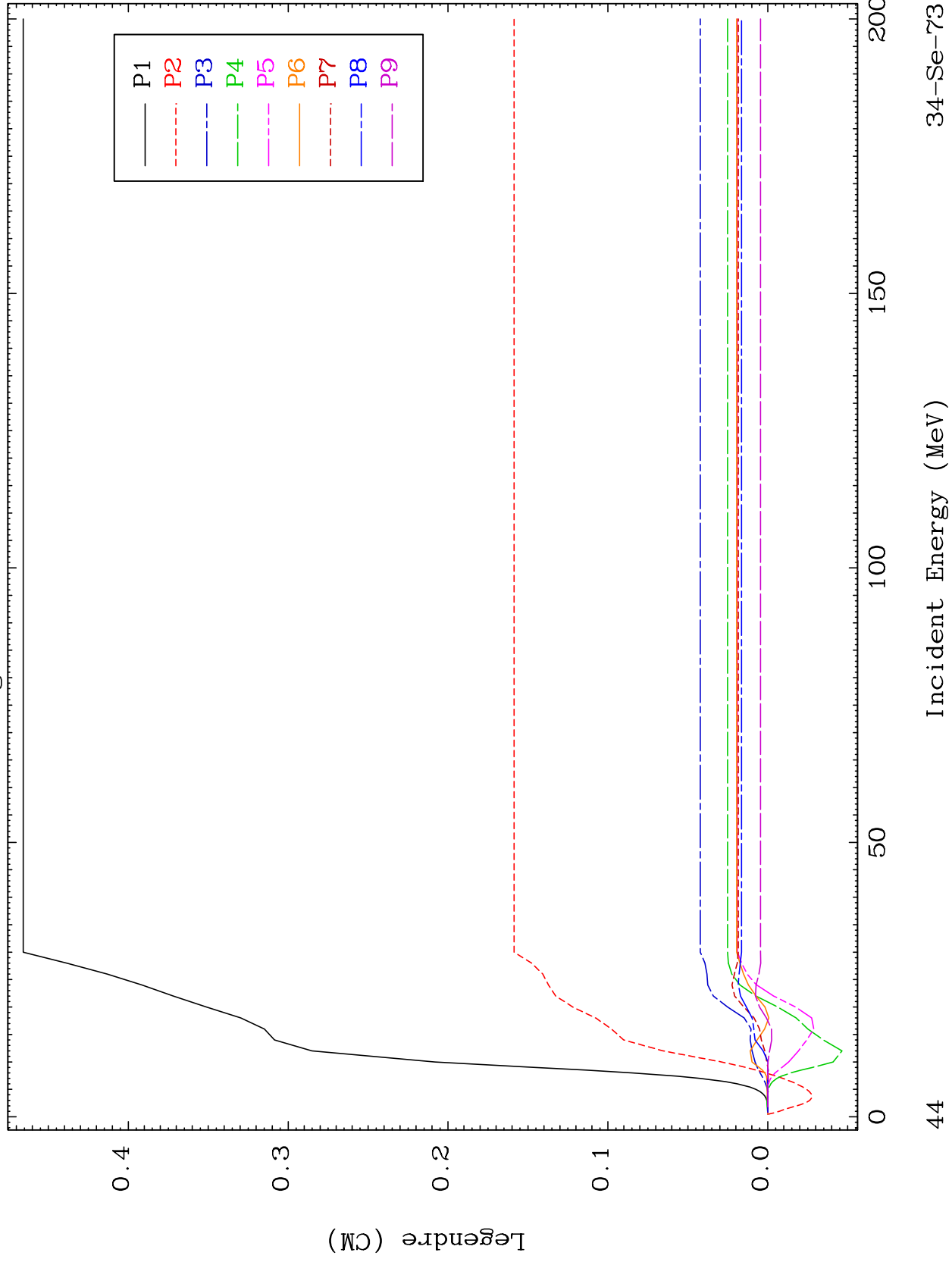
34-Se-73



MAT 3422

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

<sup>34</sup>Se-73



<sup>34</sup>Se-73

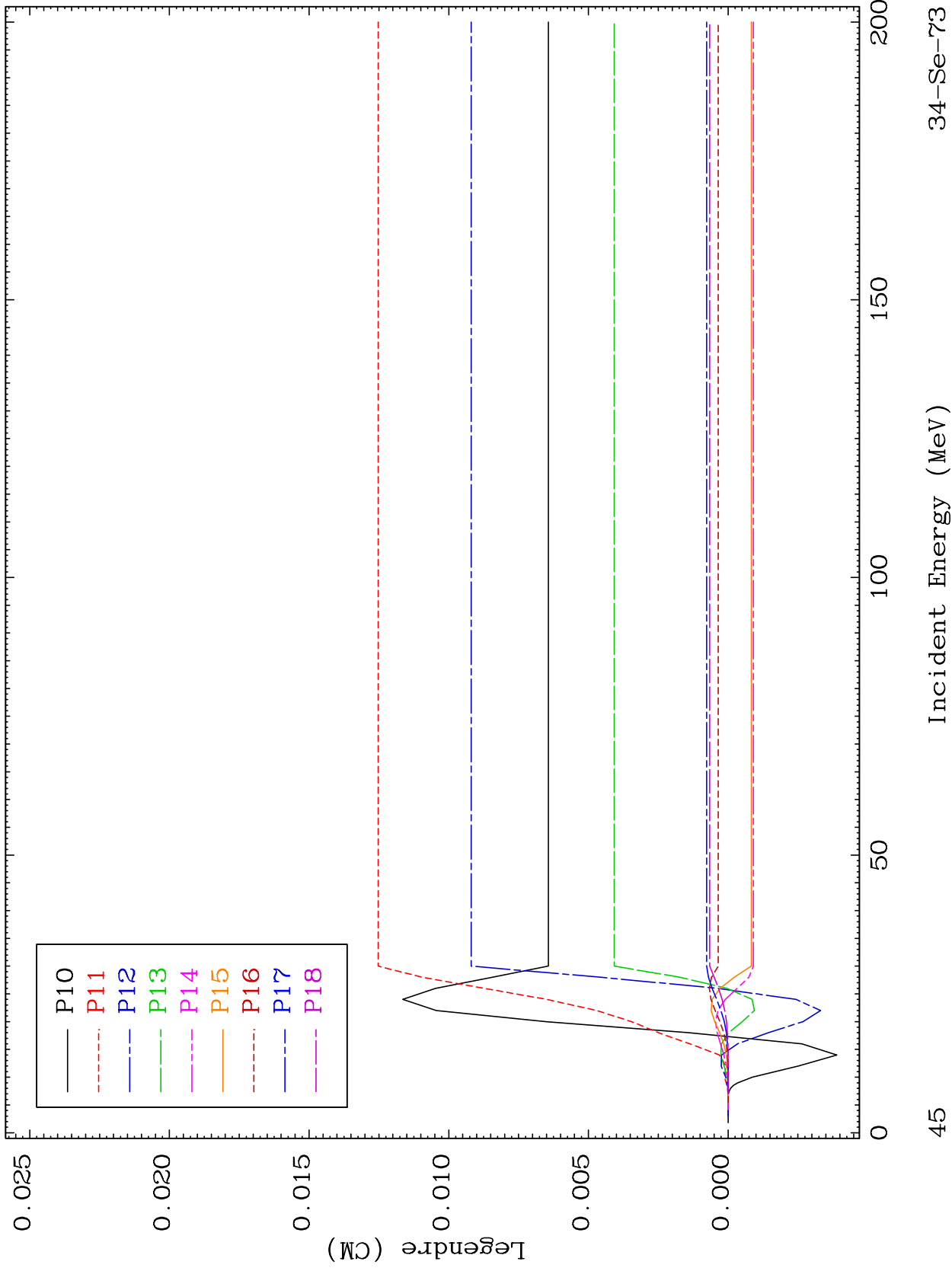
Incident Energy (MeV)

44

MAT 3422

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

<sup>34</sup>Se-73



<sup>34</sup>Se-73

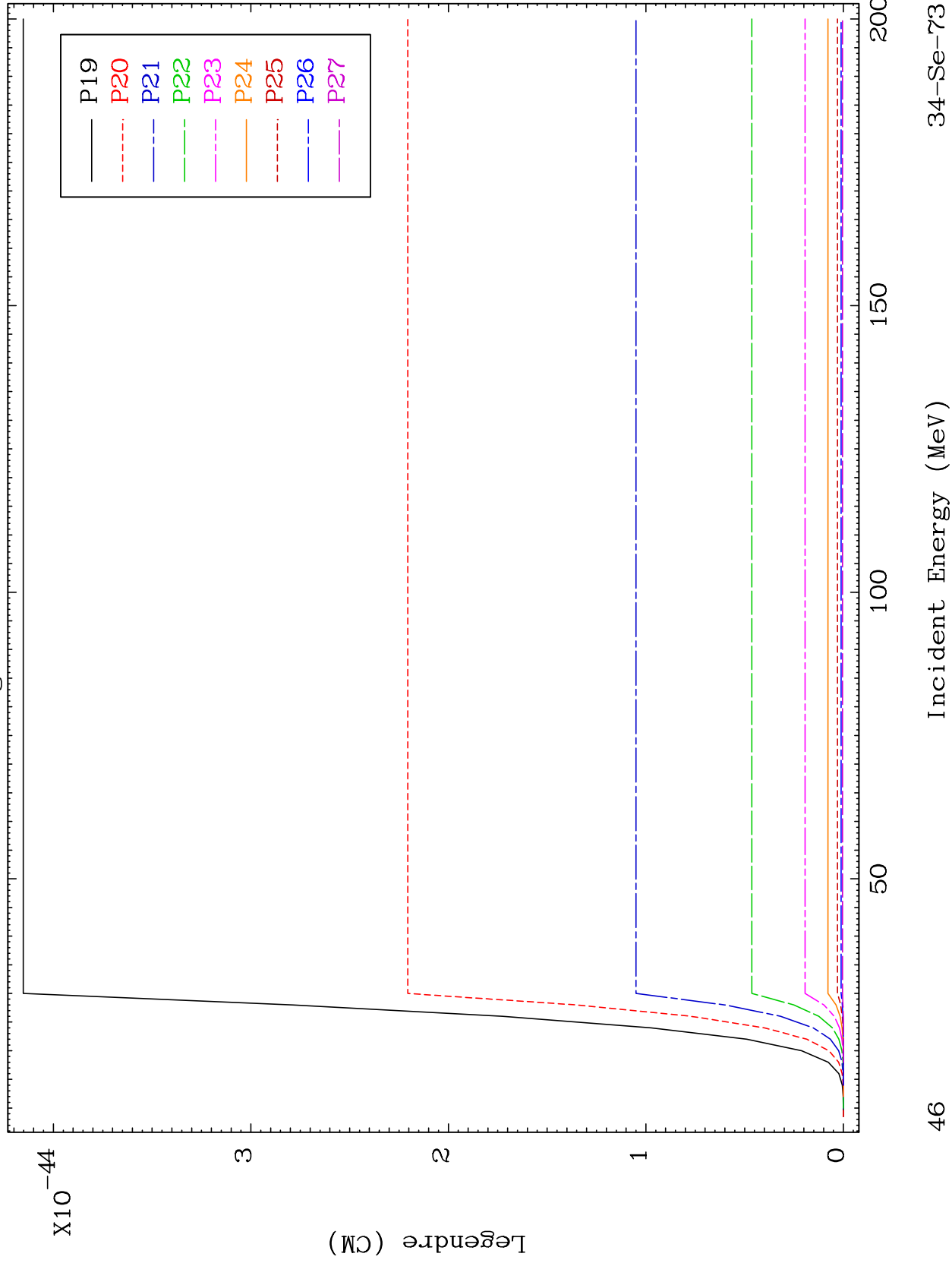
Incident Energy (MeV)

45

MAT 3422

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

<sup>34</sup>Se-73



46

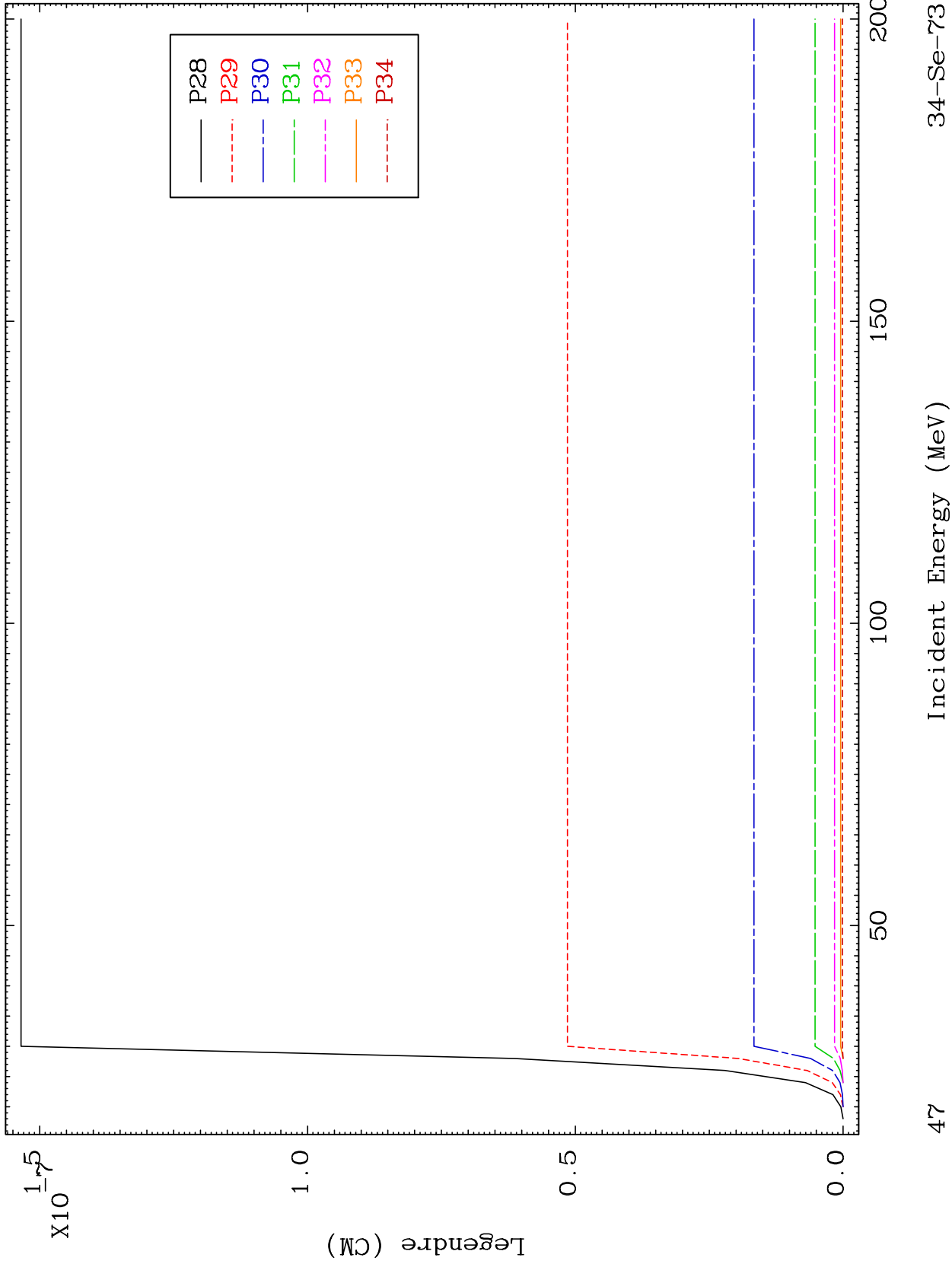
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

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

<sup>34</sup>Se-73



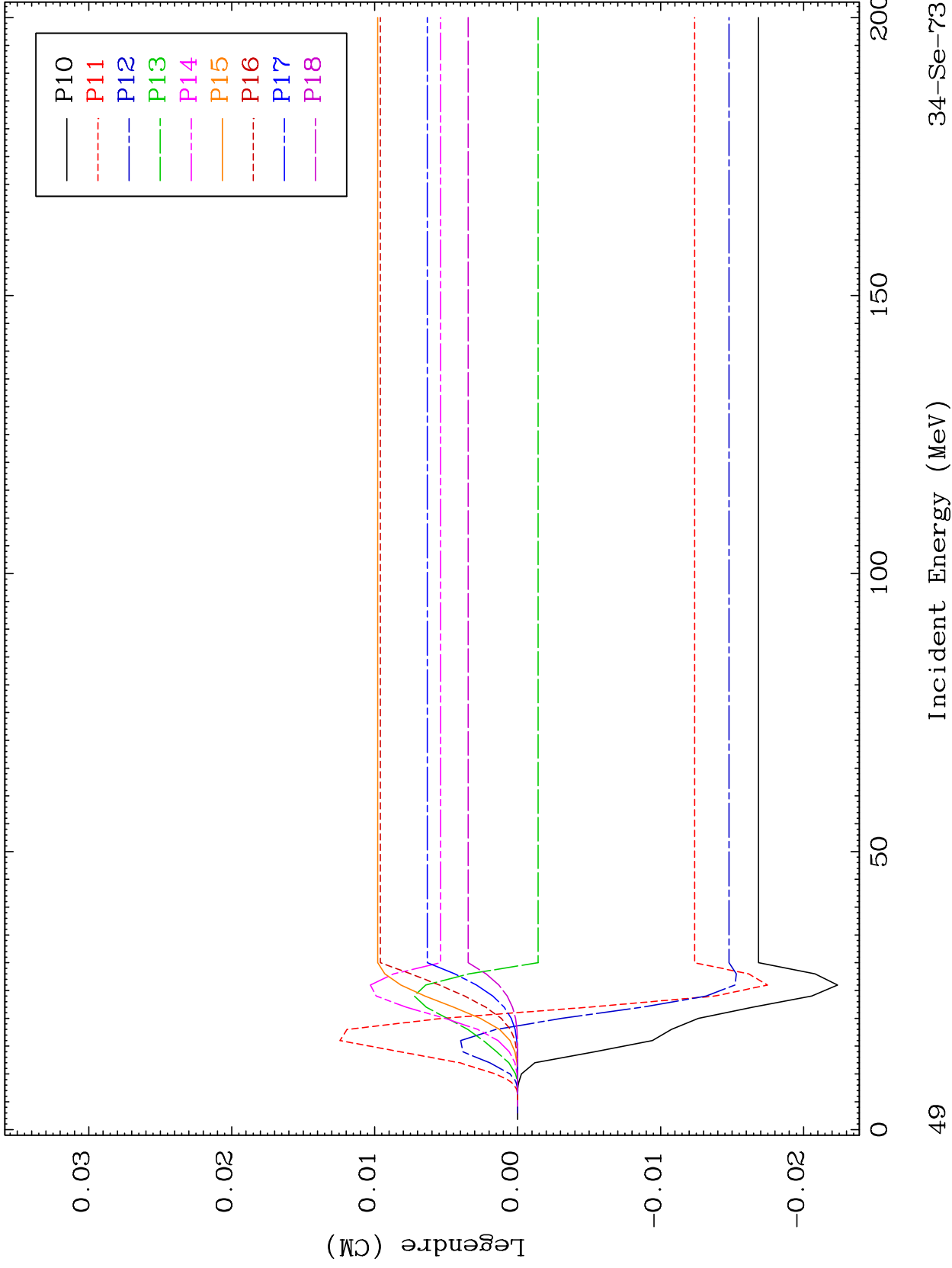




MAT 3422

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

34-Se-73



49

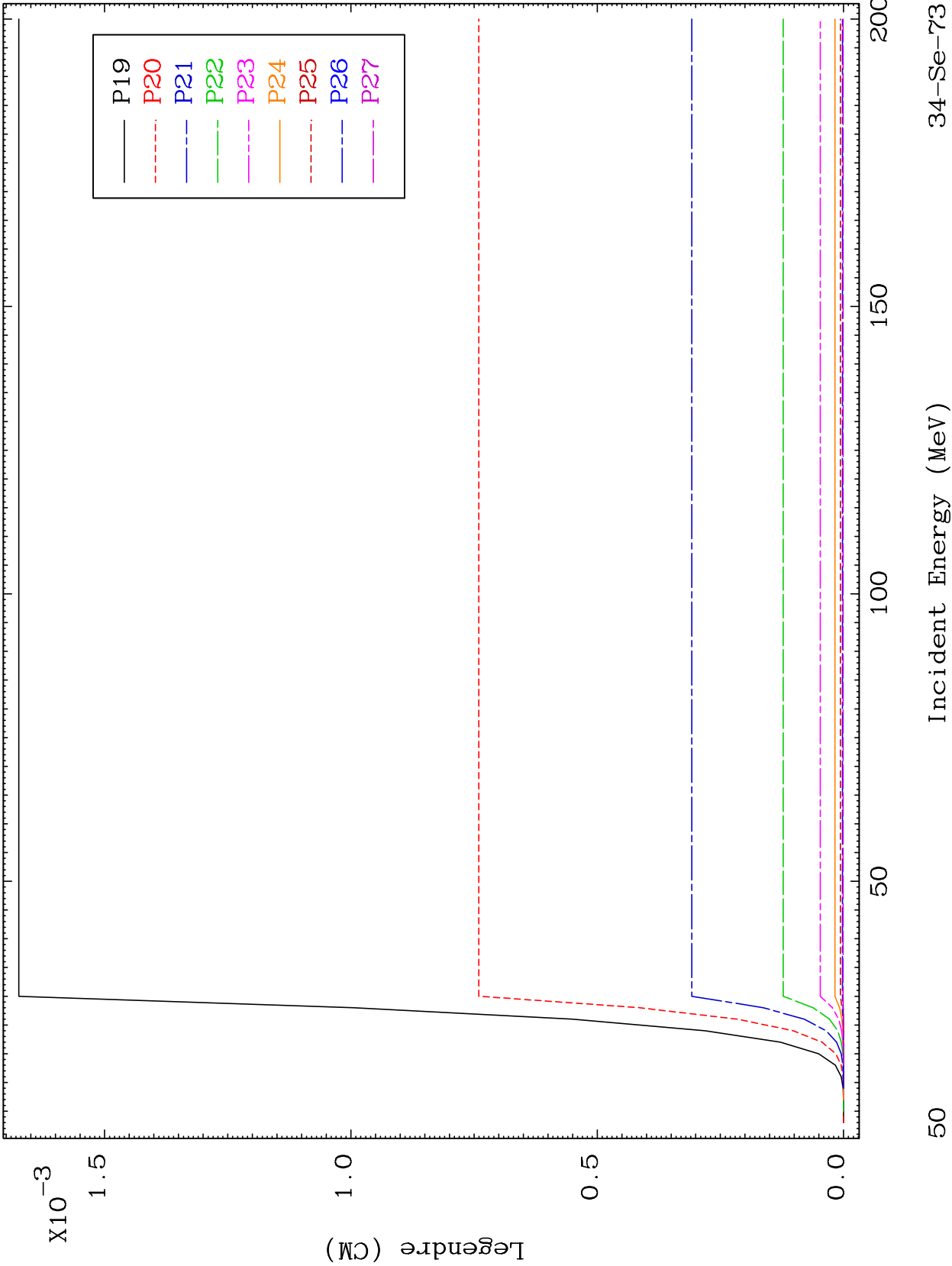
Incident Energy (MeV)

34-Se-73

MAT 3422

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

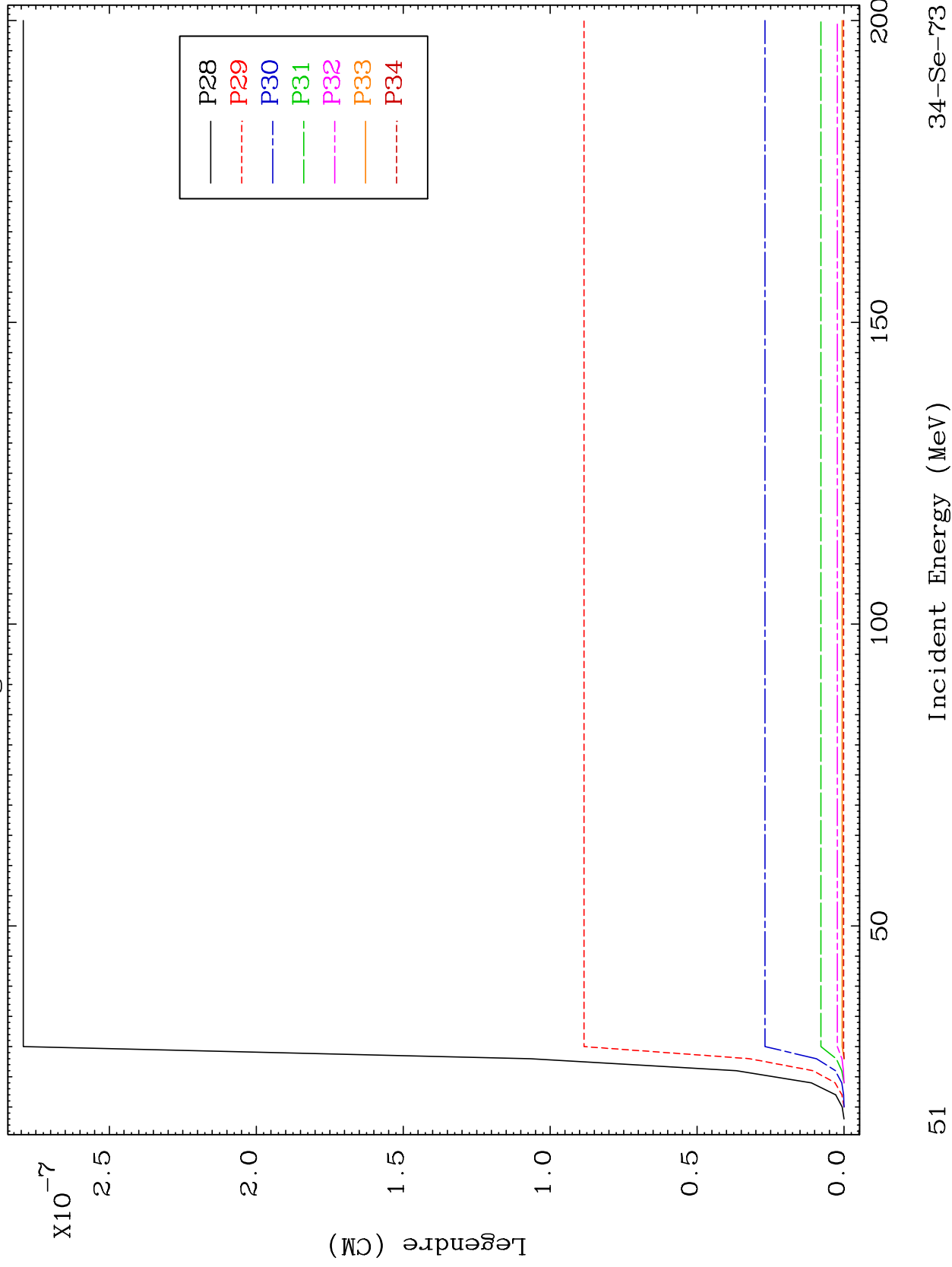
<sup>34</sup>Se-73



MAT 3422

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

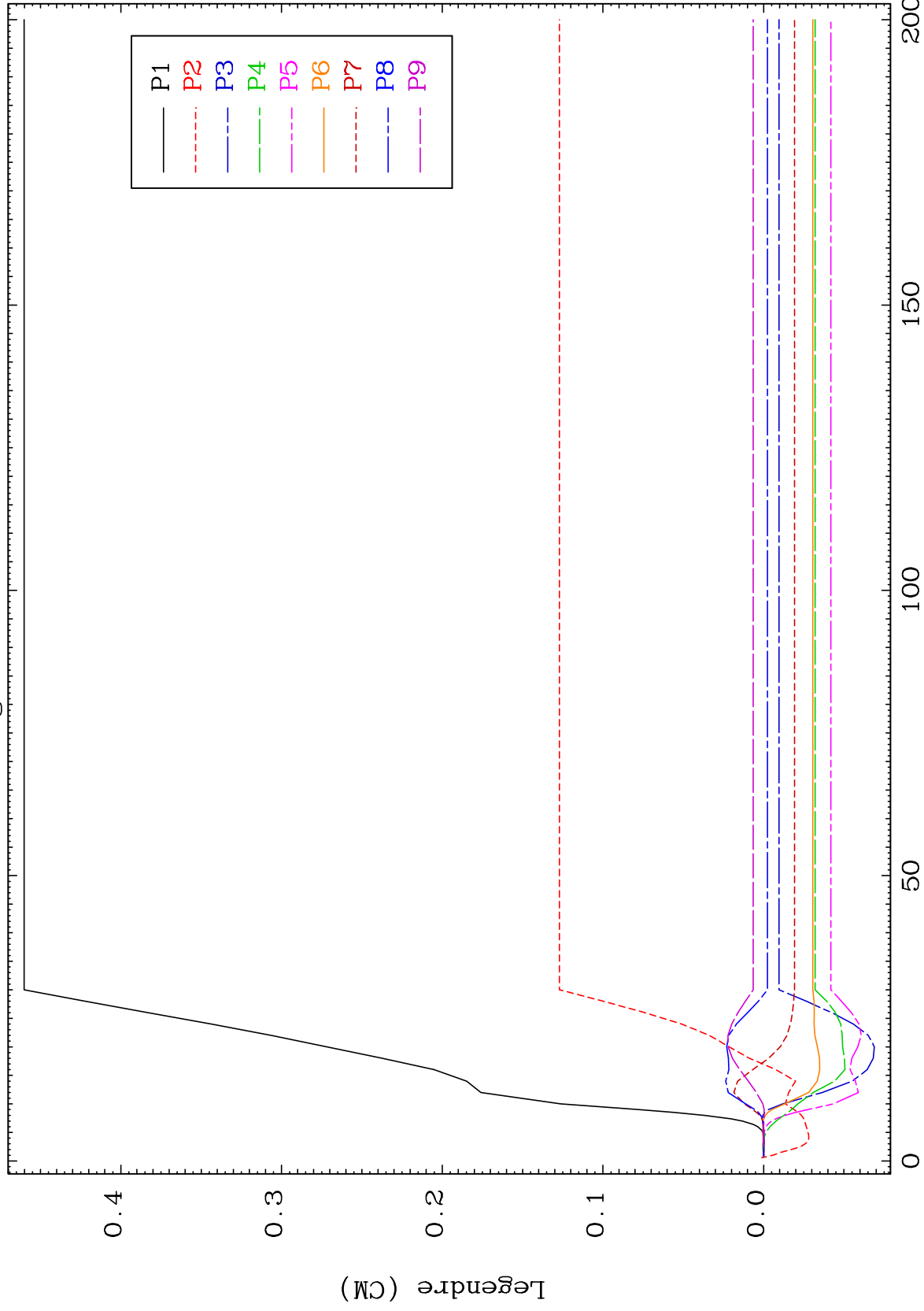
<sup>34</sup>Se-73



MAT 3422

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

<sup>34</sup>Se-73



52

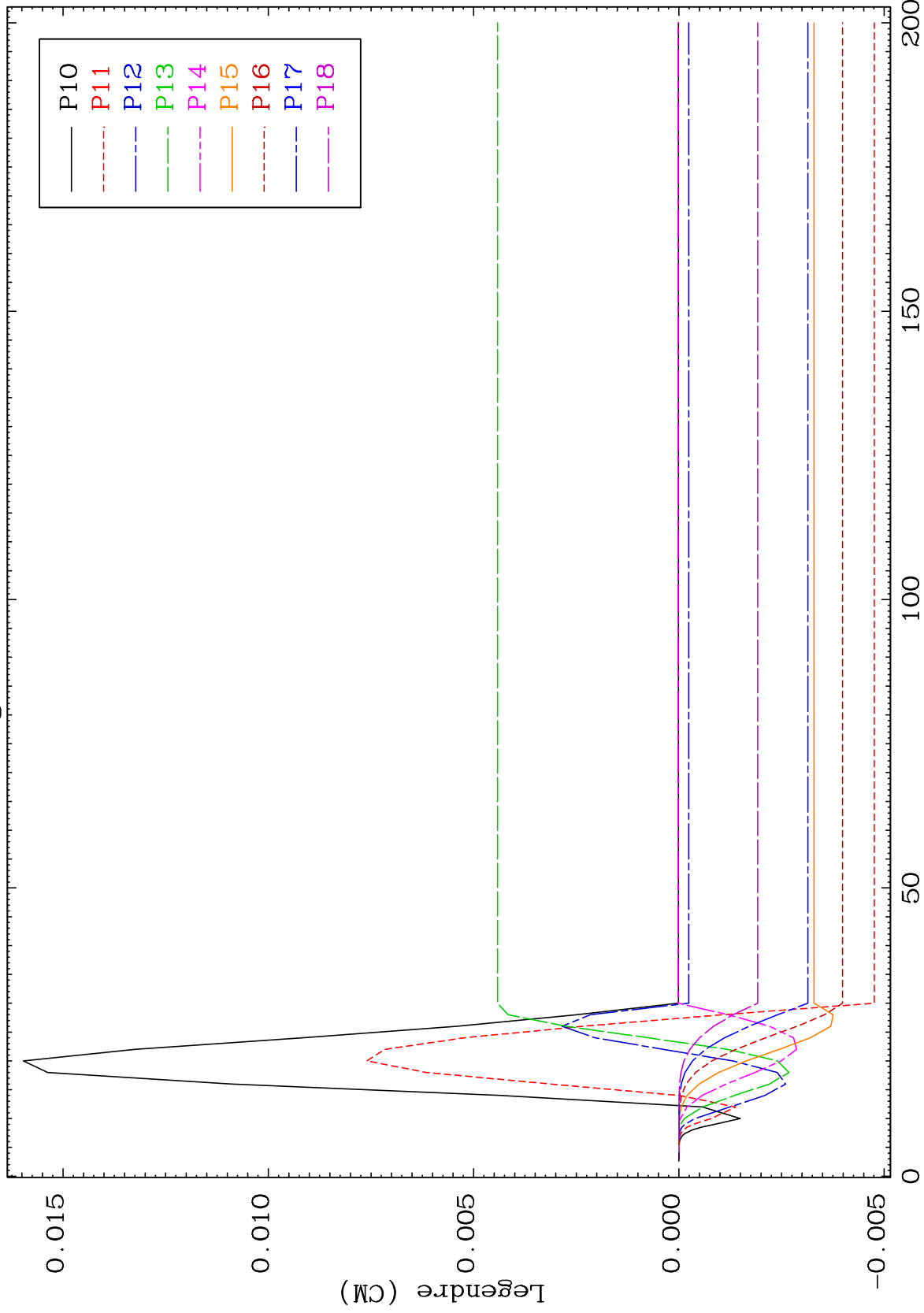
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

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

<sup>34</sup>Se-73



53

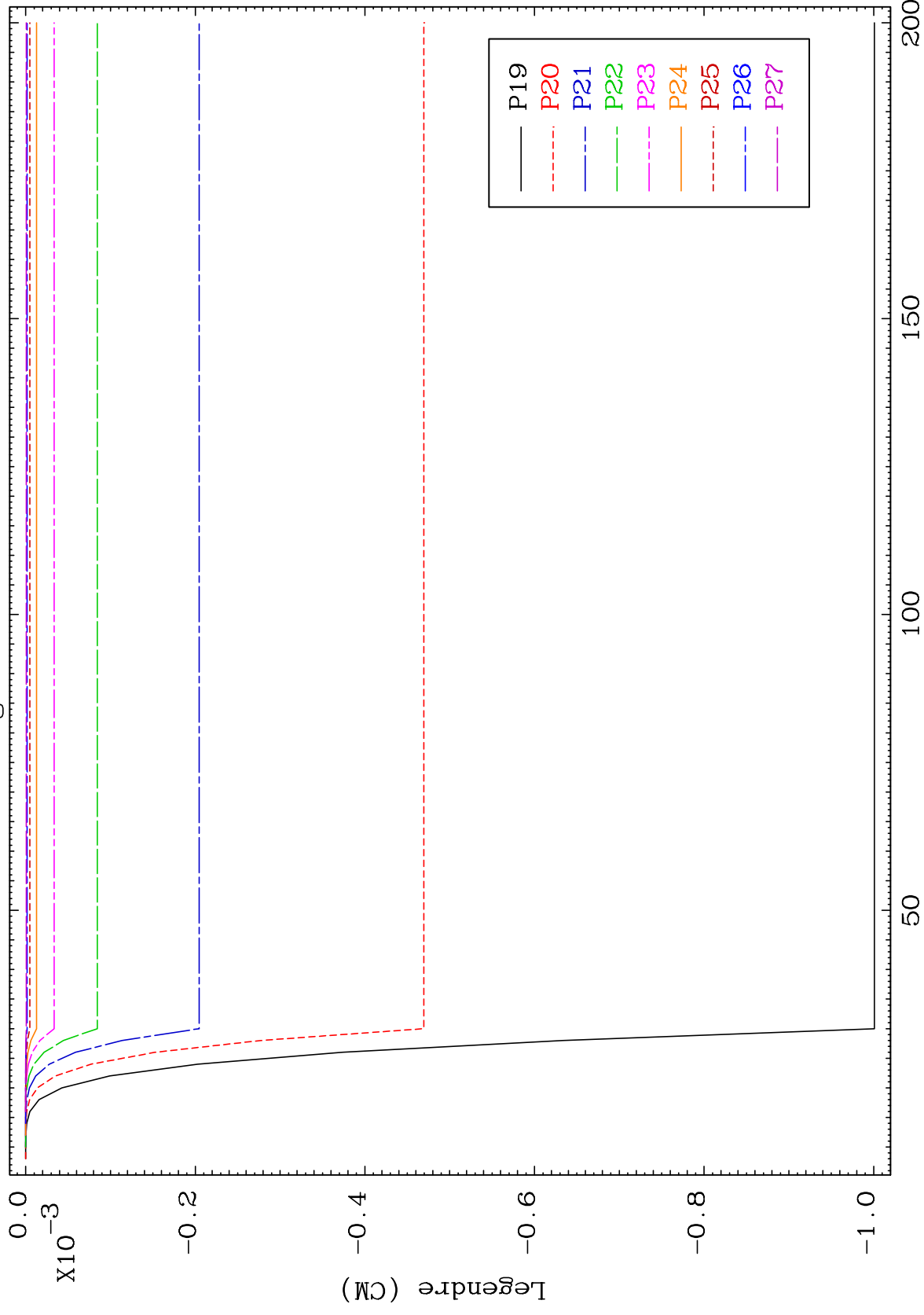
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

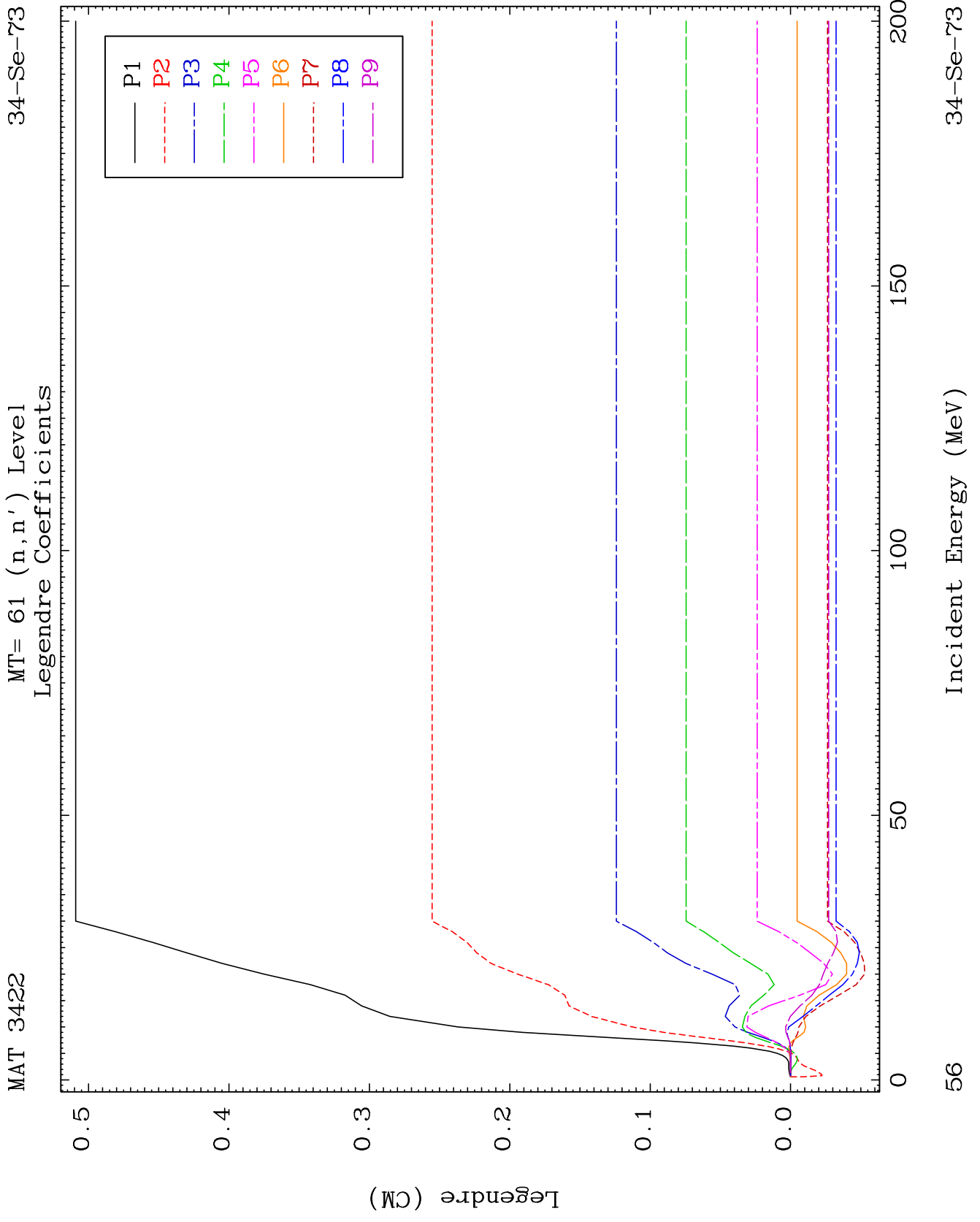
MT= 60 (n,n') Level  
Legendre Coefficients

34-Se-73





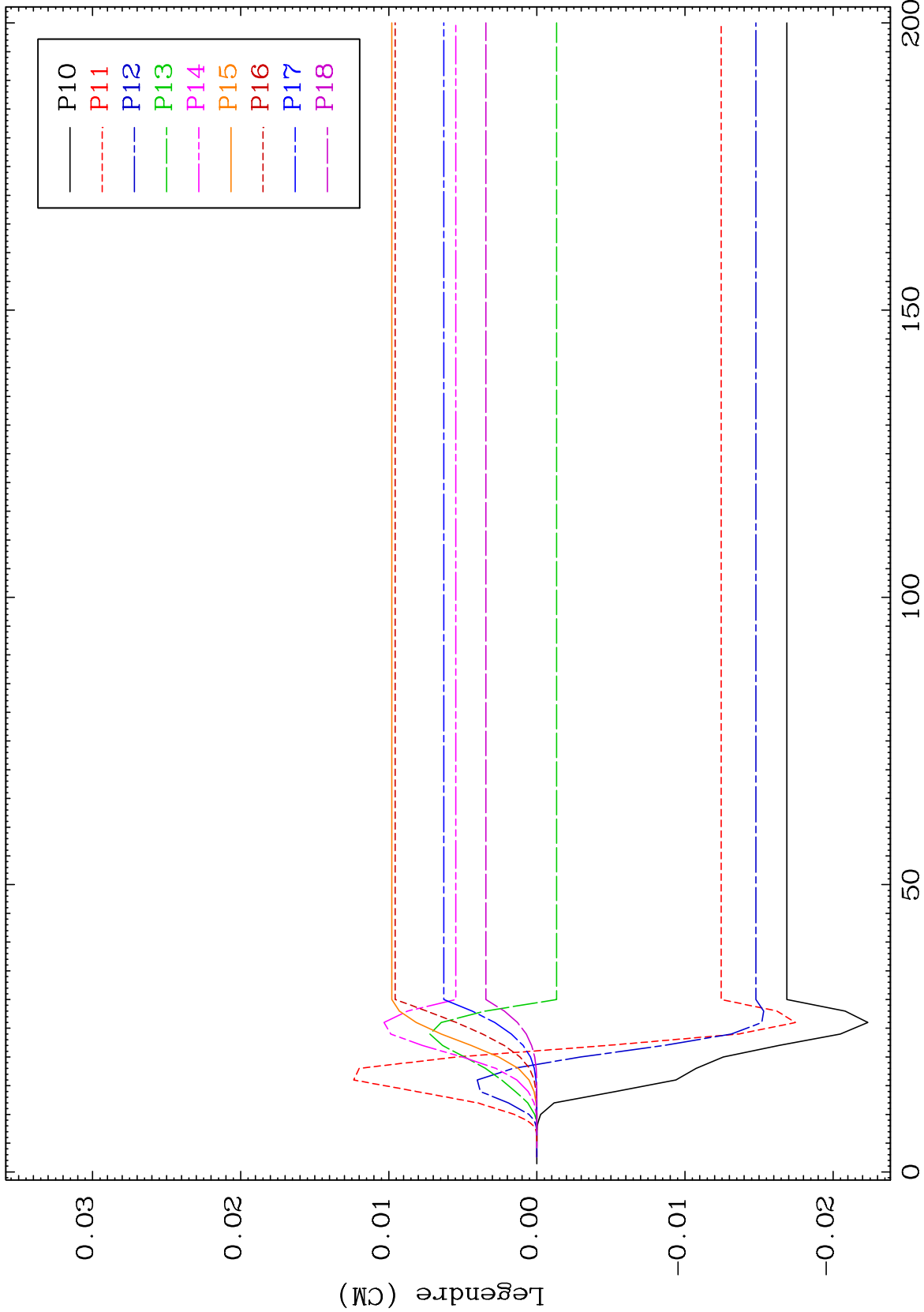




MAT 3422

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

<sup>34</sup>Se-73



57

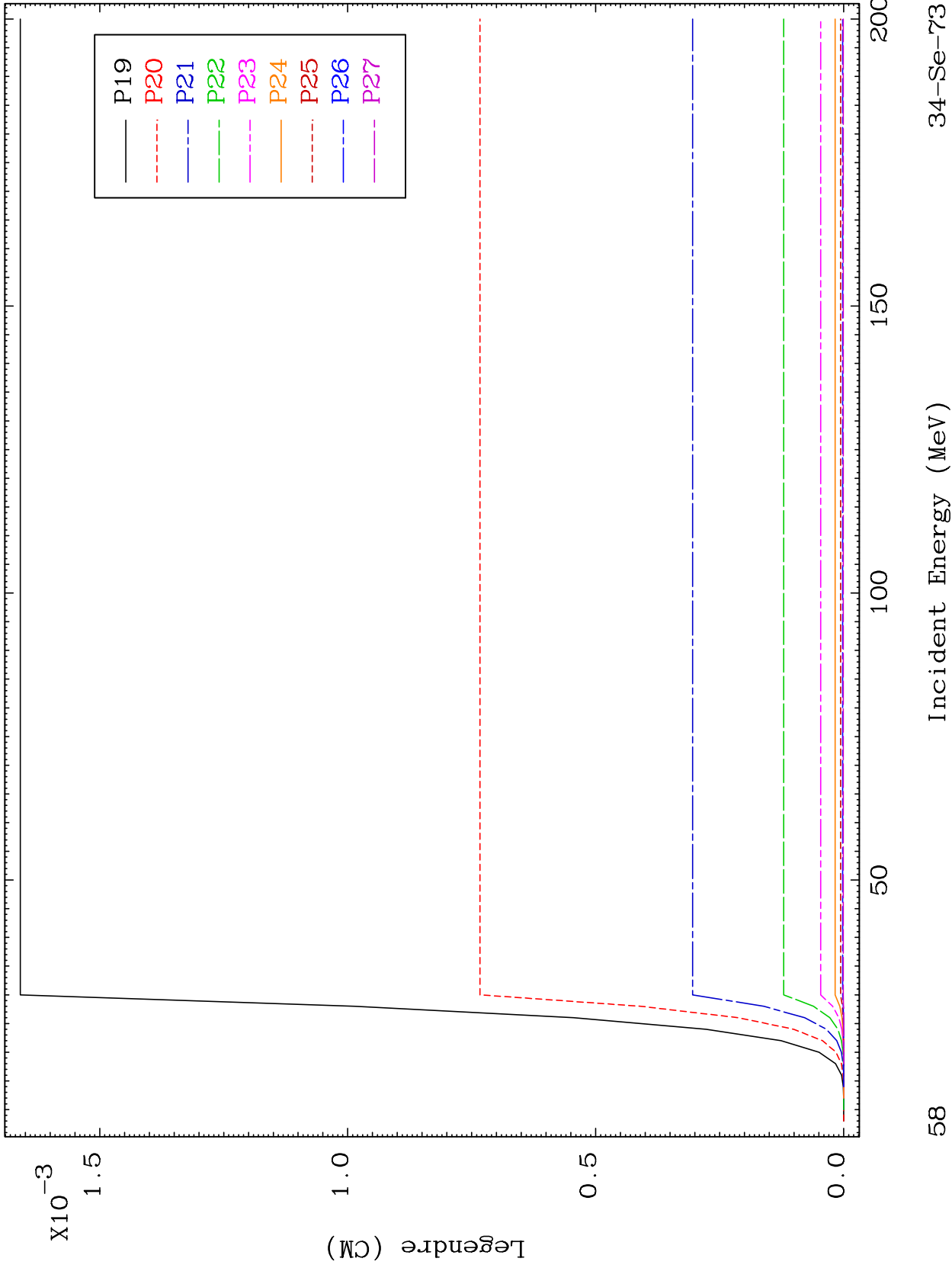
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

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

<sup>34</sup>Se-73



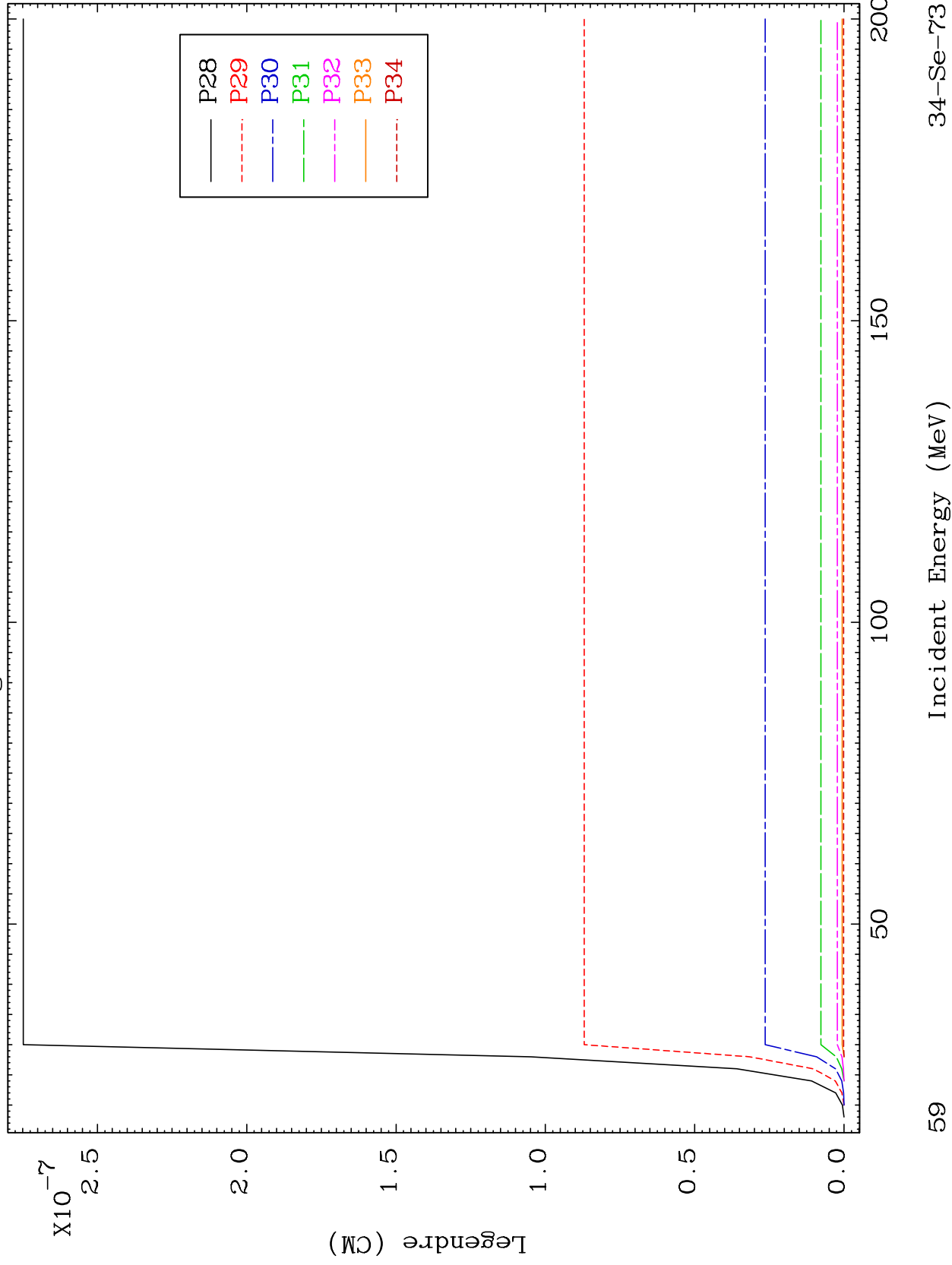
58

<sup>34</sup>Se-73

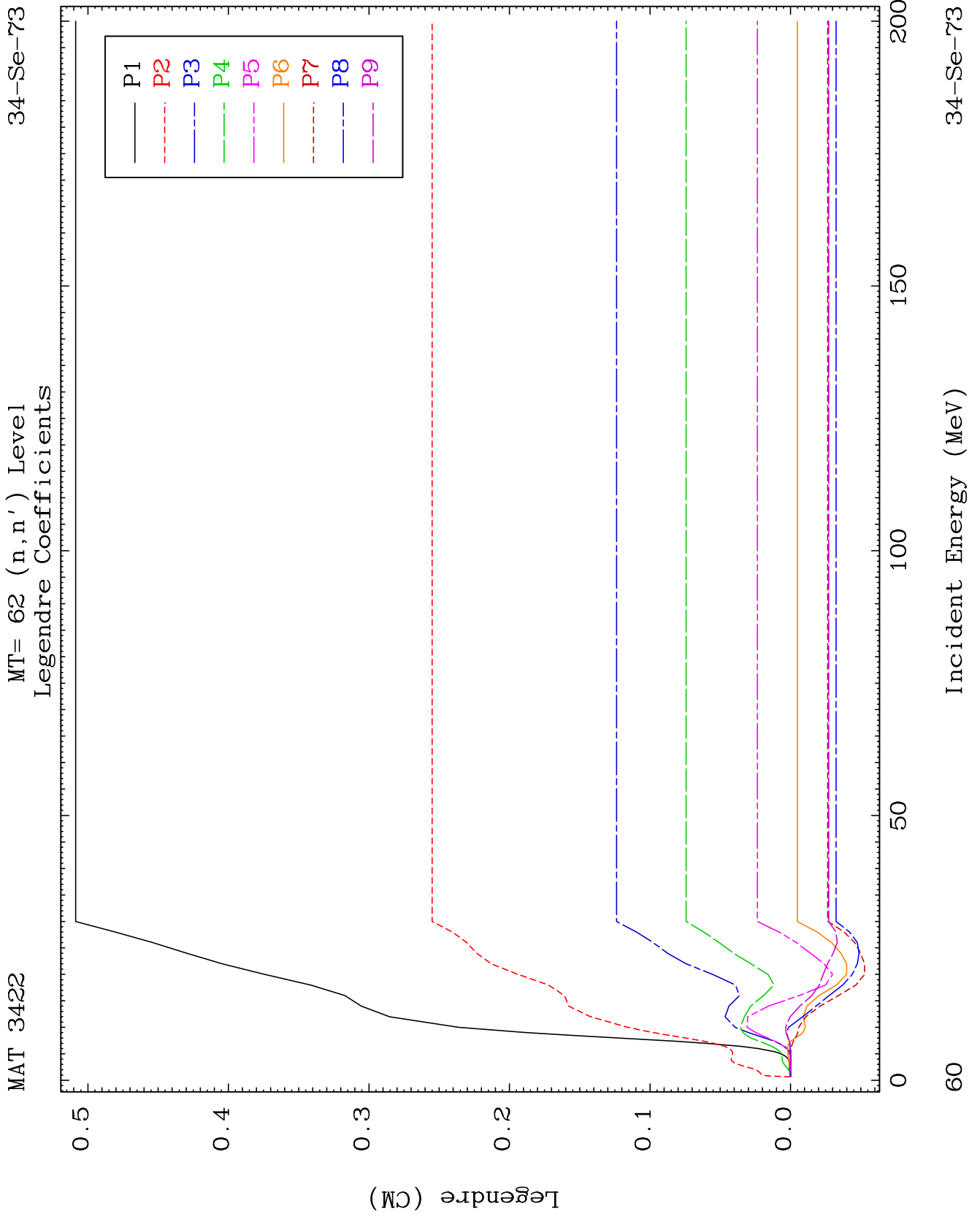
MAT 3422

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

<sup>34</sup>Se-73



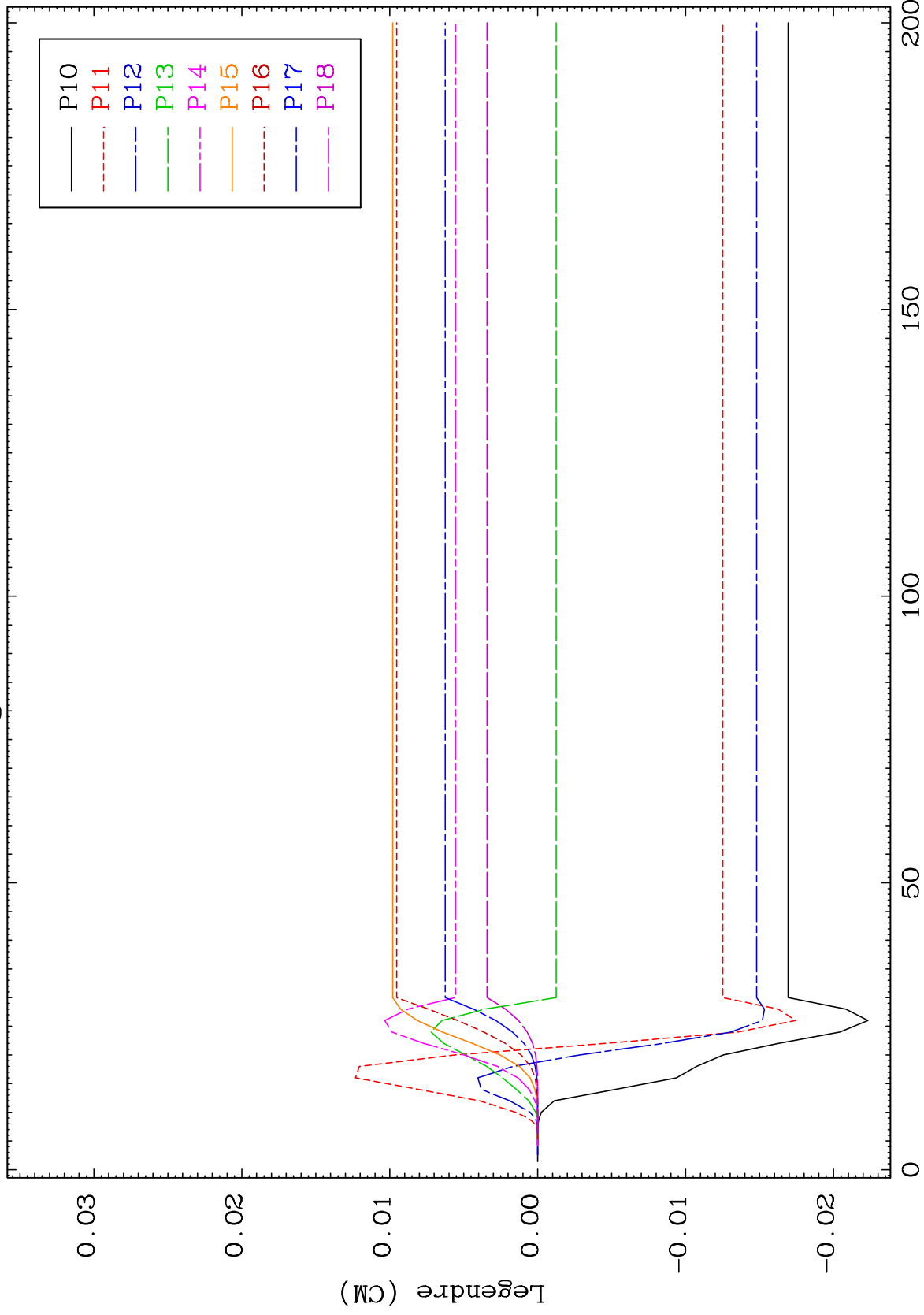
59



MAT 3422

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

<sup>34</sup>Se-73



61

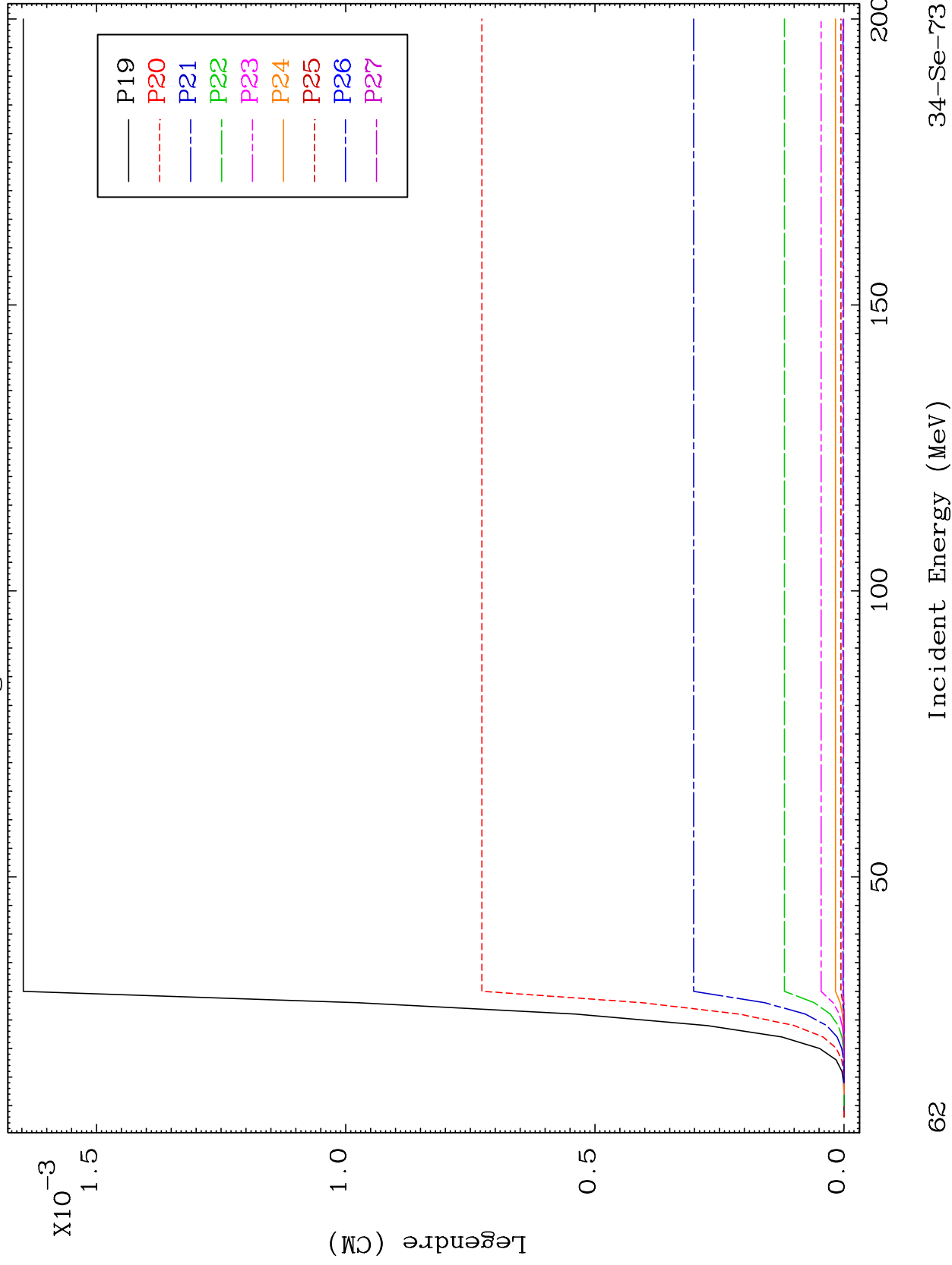
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

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

<sup>34</sup>Se-73



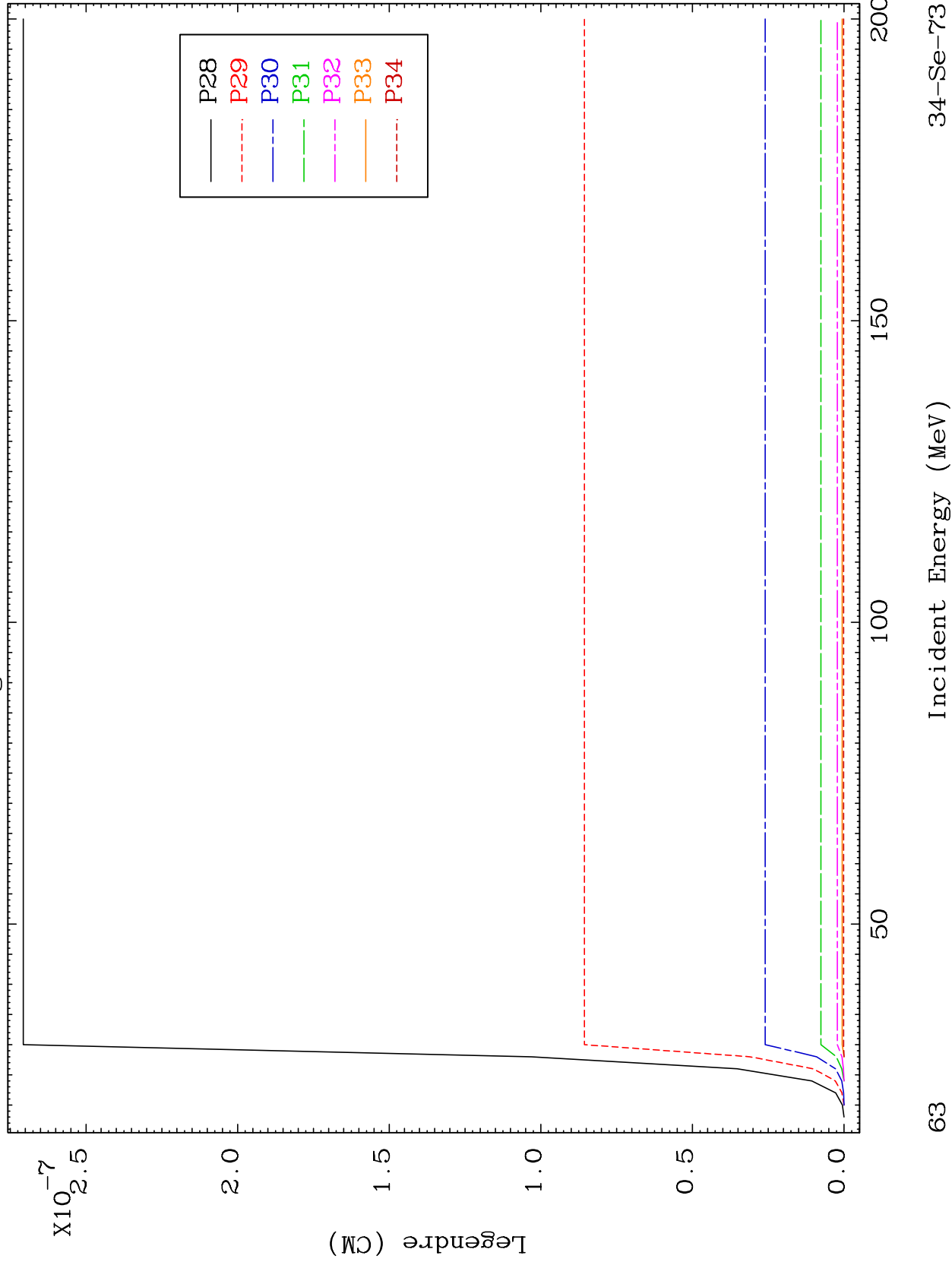
62

<sup>34</sup>Se-73

MAT 3422

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

<sup>34</sup>Se-73



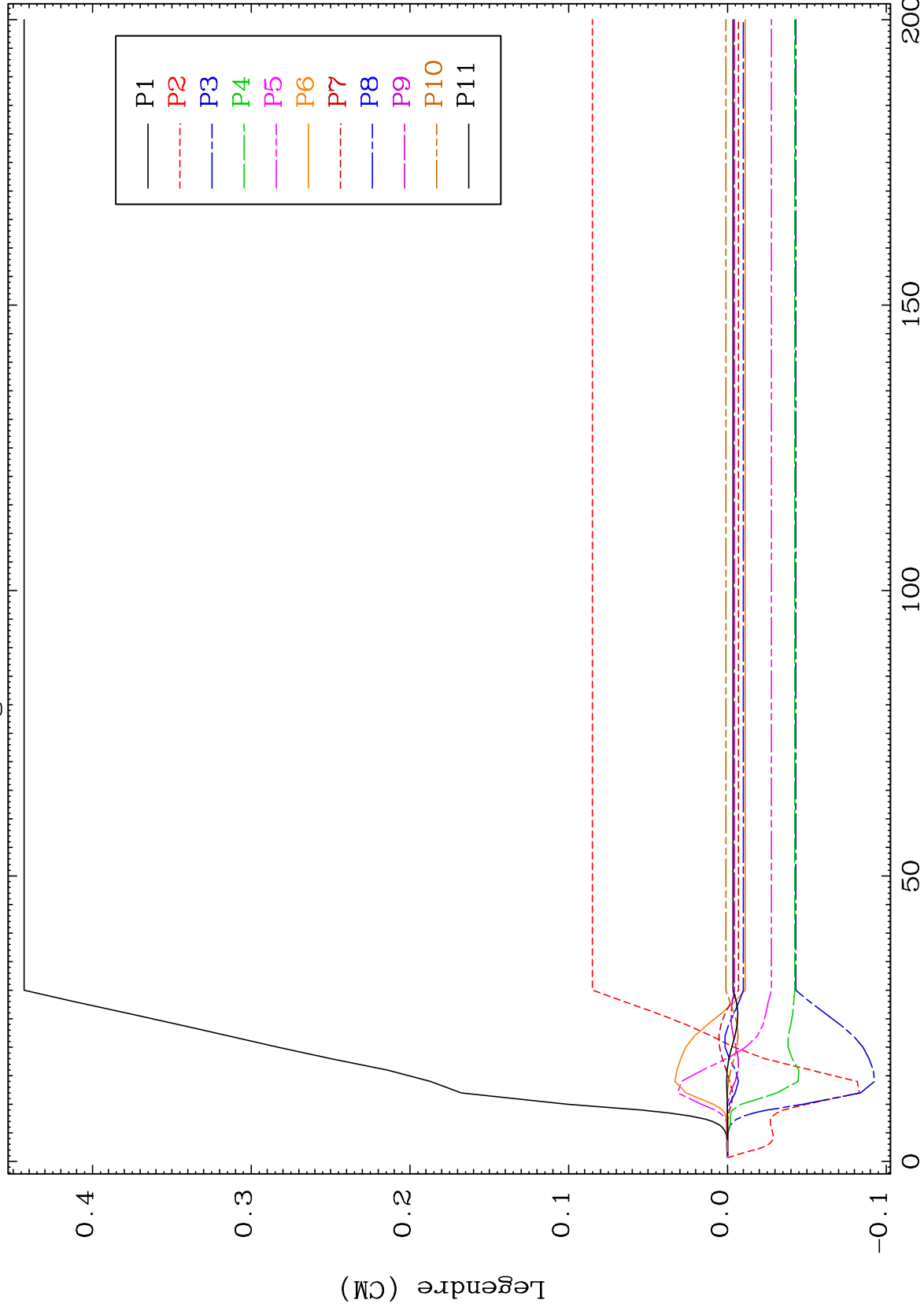
63



MAT 3422

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

<sup>34</sup>Se-73



64

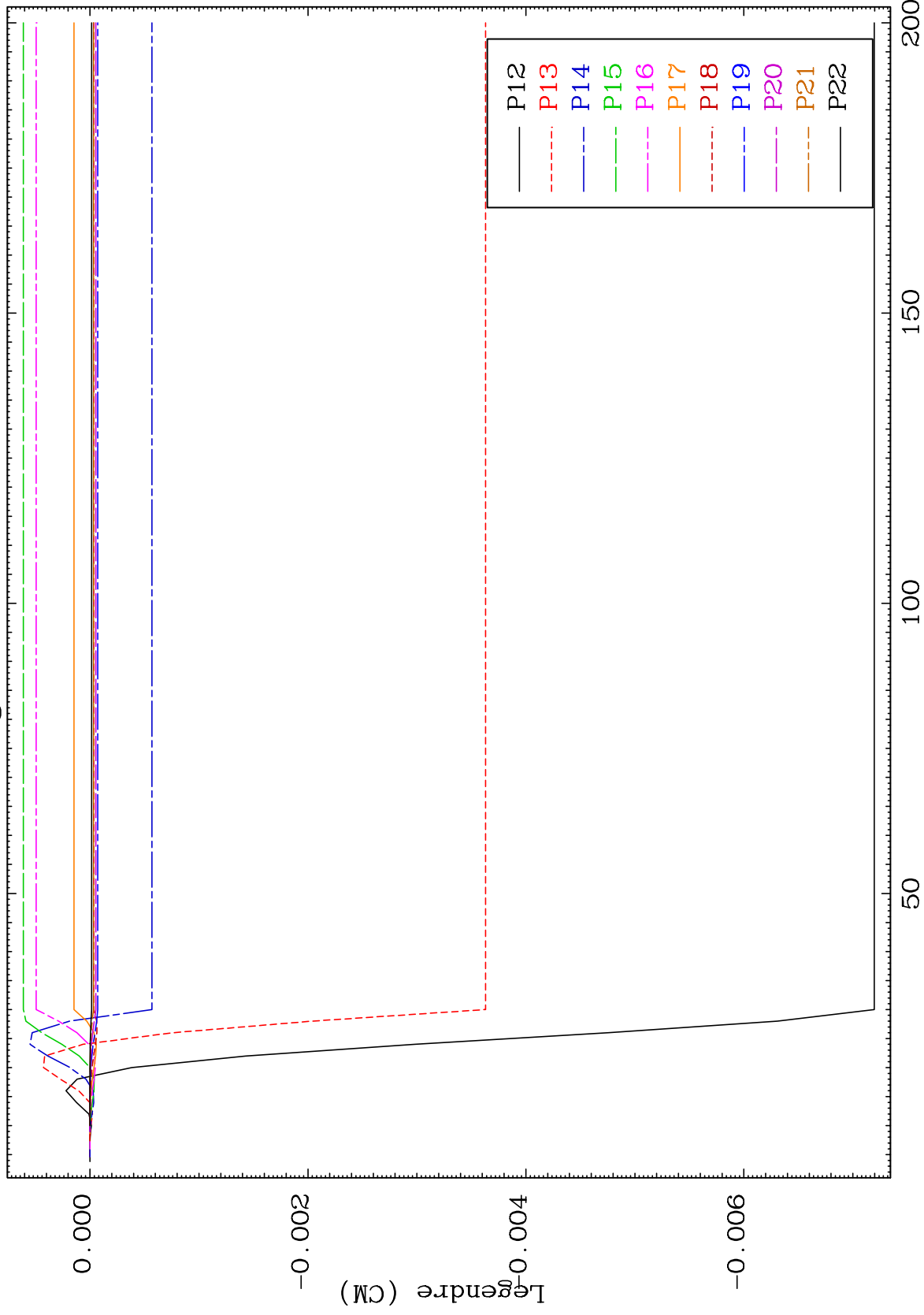
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

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

34-Se-73



65

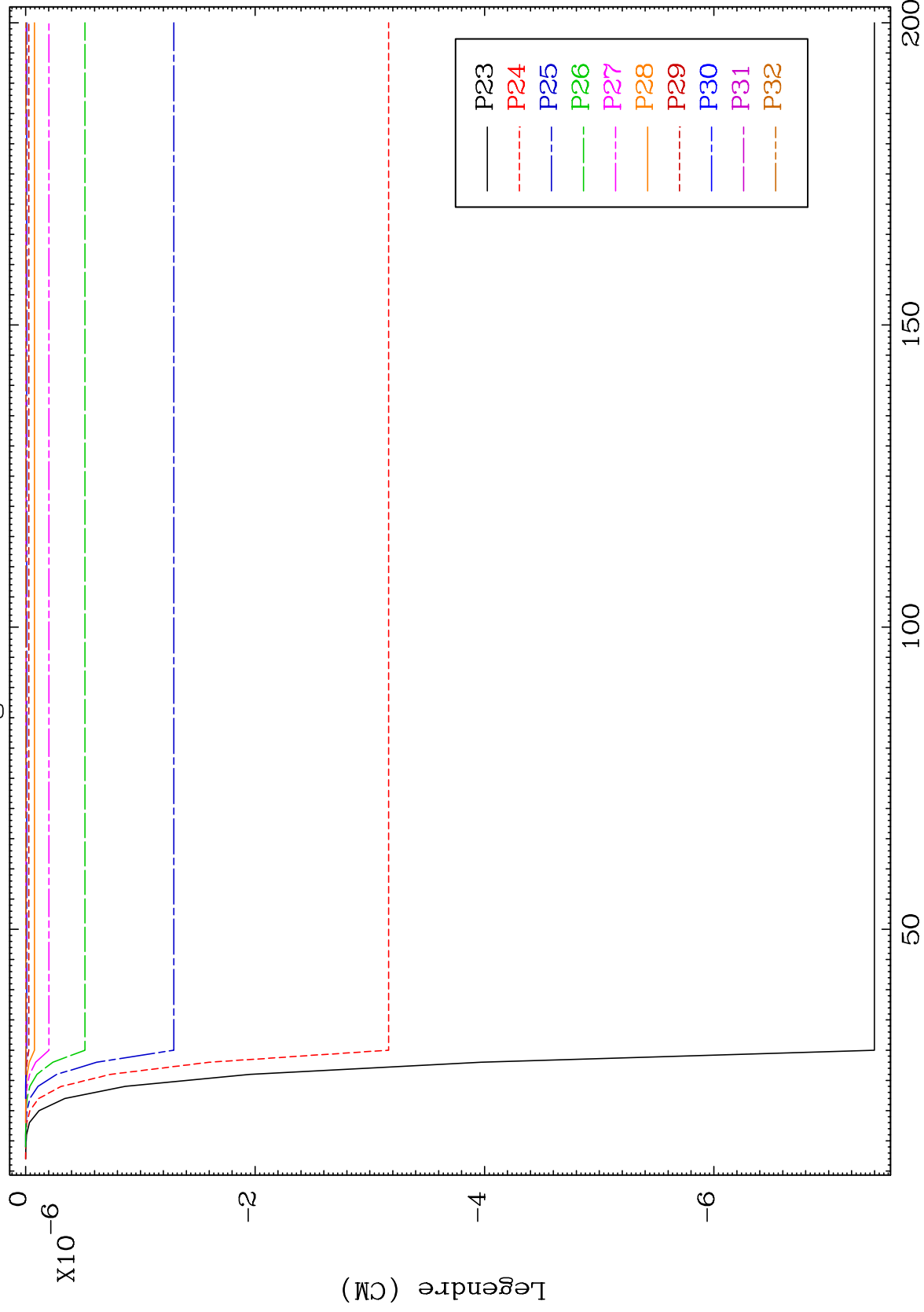
Incident Energy (MeV)

34-Se-73

MAT 3422

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

34-Se-73



66

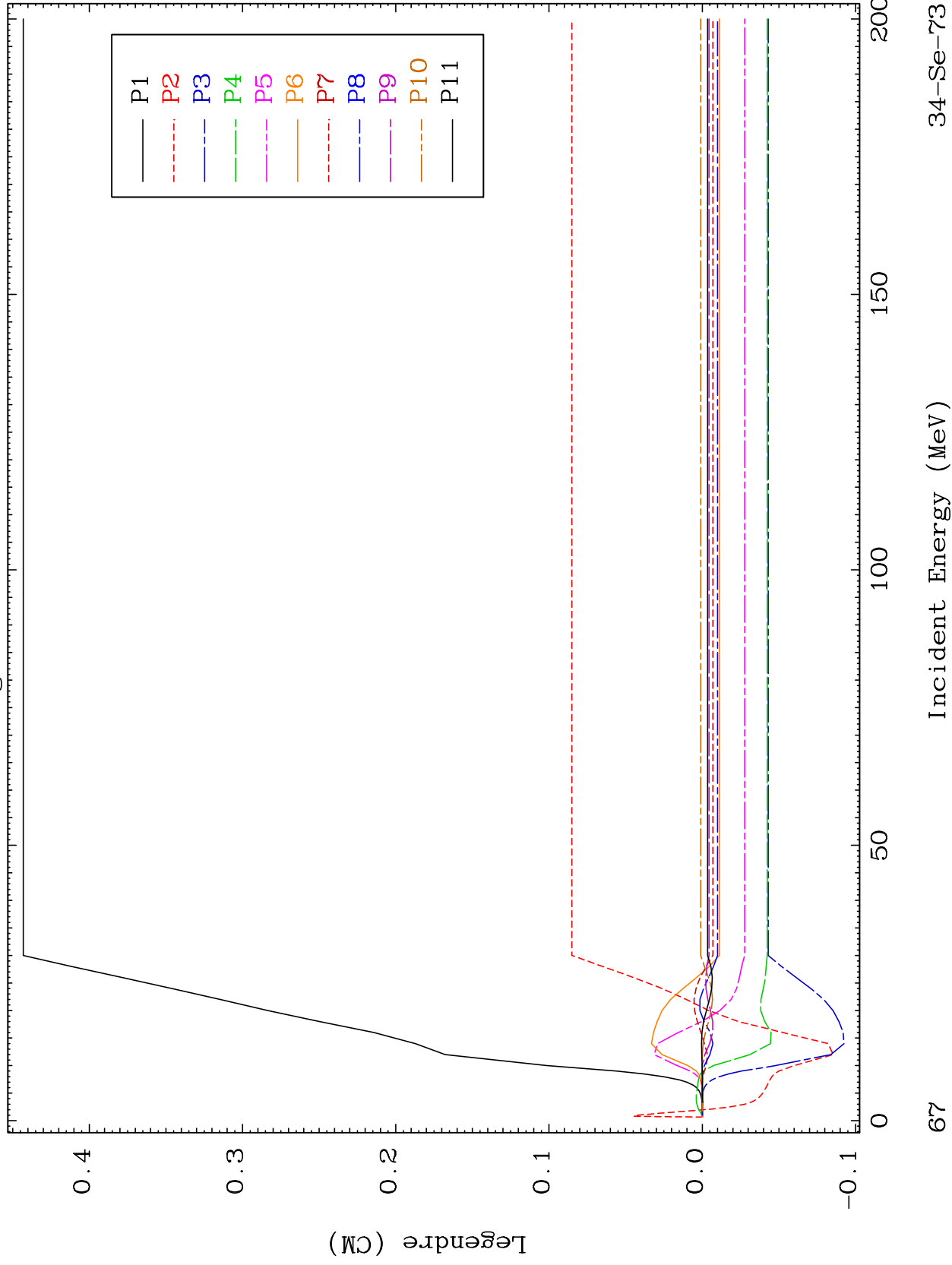
Incident Energy (MeV)

34-Se-73

MAT 3422

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

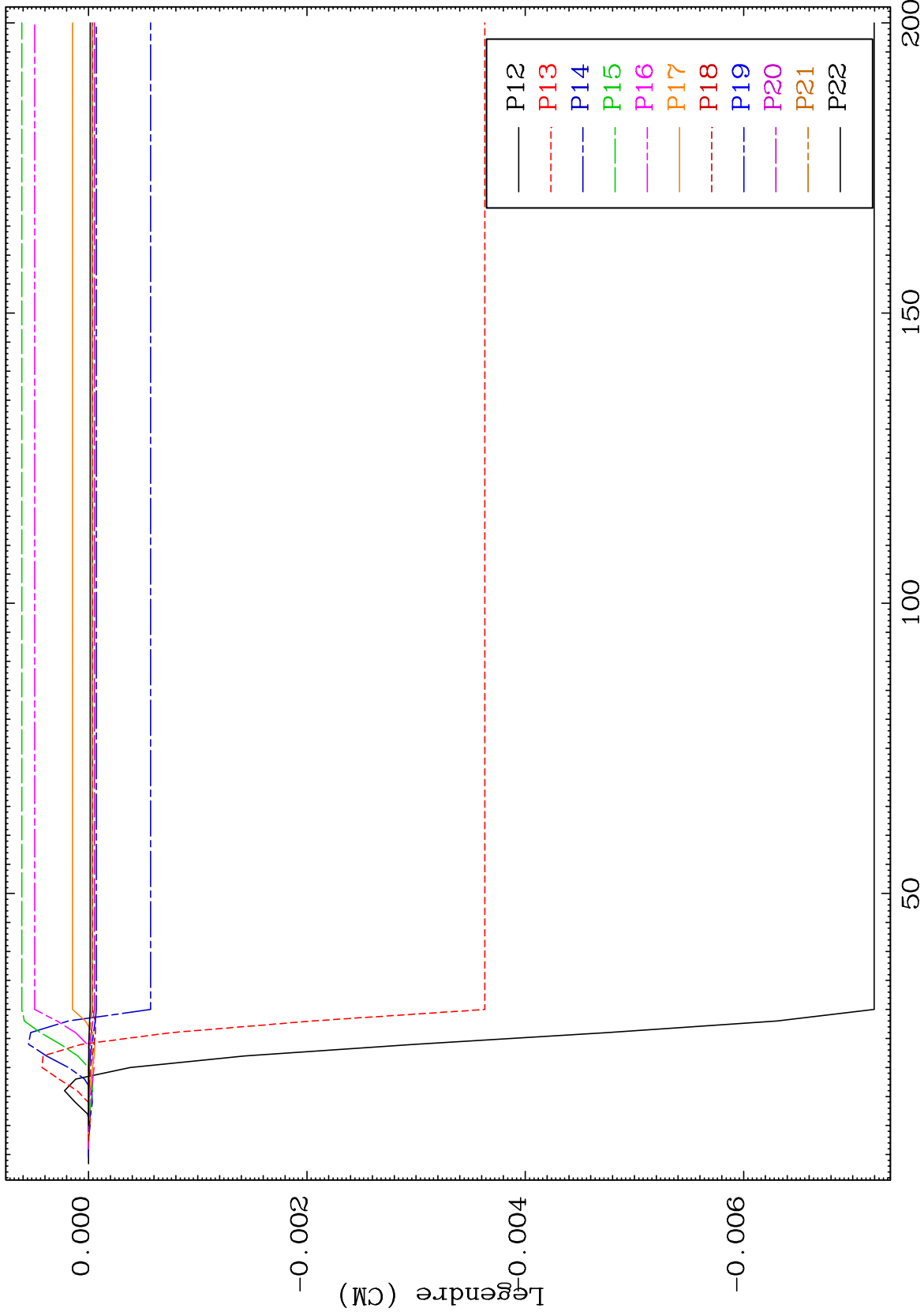
<sup>34</sup>Se-73



MAT 3422

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

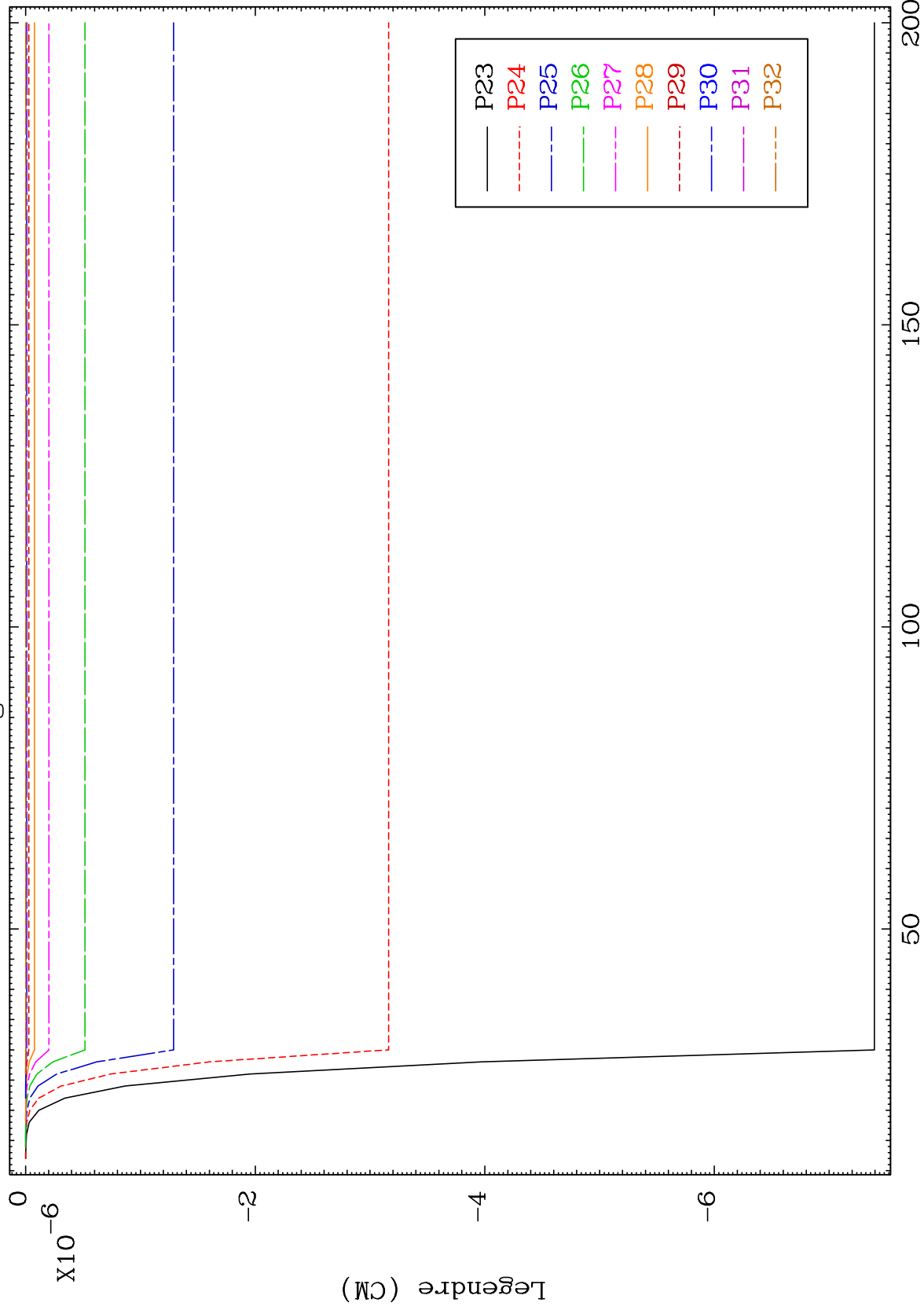
34-Se-73



MAT 3422

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

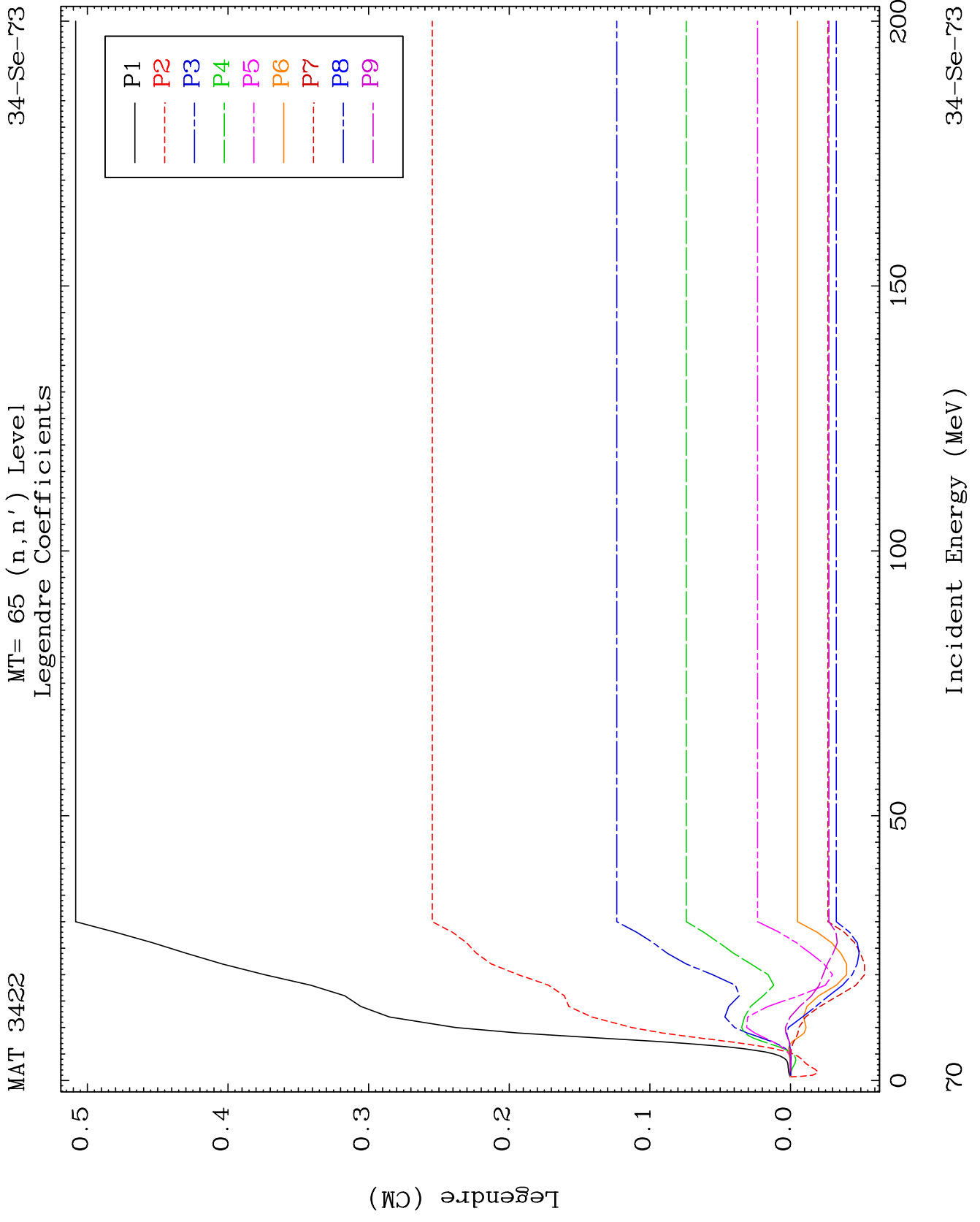
34-Se-73



69

Incident Energy (MeV)

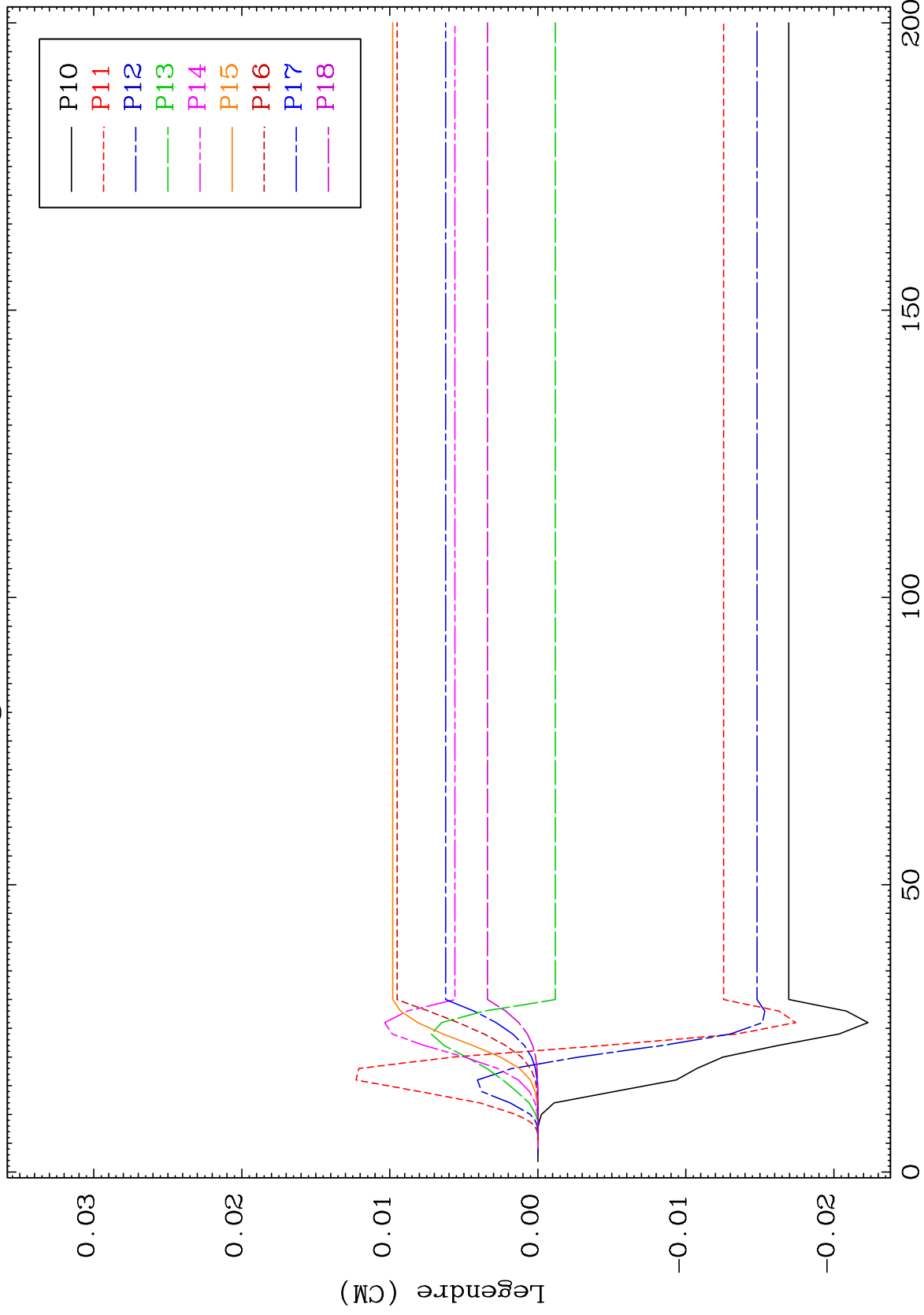
34-Se-73



MAT 3422

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

<sup>34</sup>Se-73



71

Incident Energy (MeV)

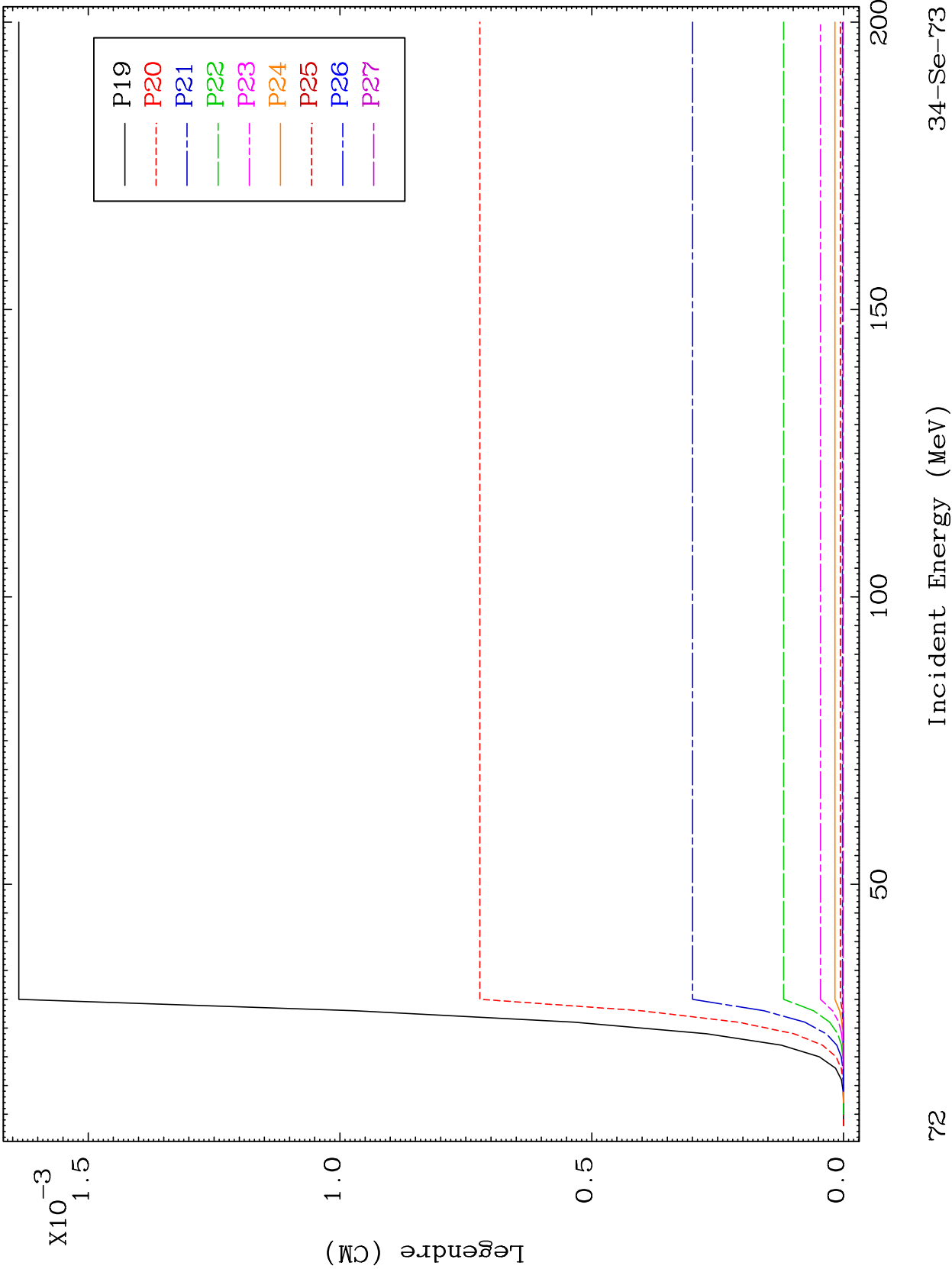
<sup>34</sup>Se-73



MAT 3422

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

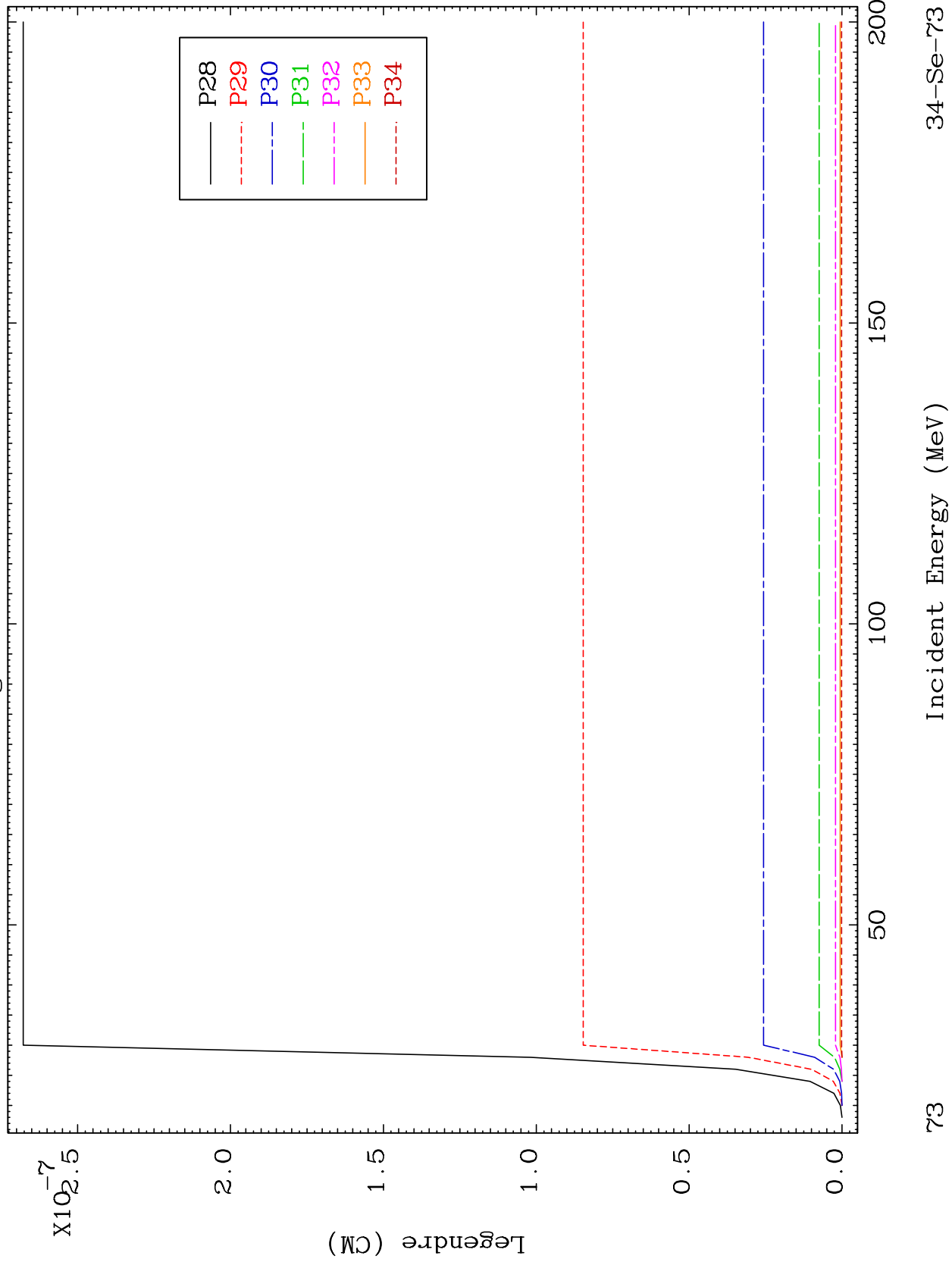
<sup>34</sup>Se-73



MAT 3422

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

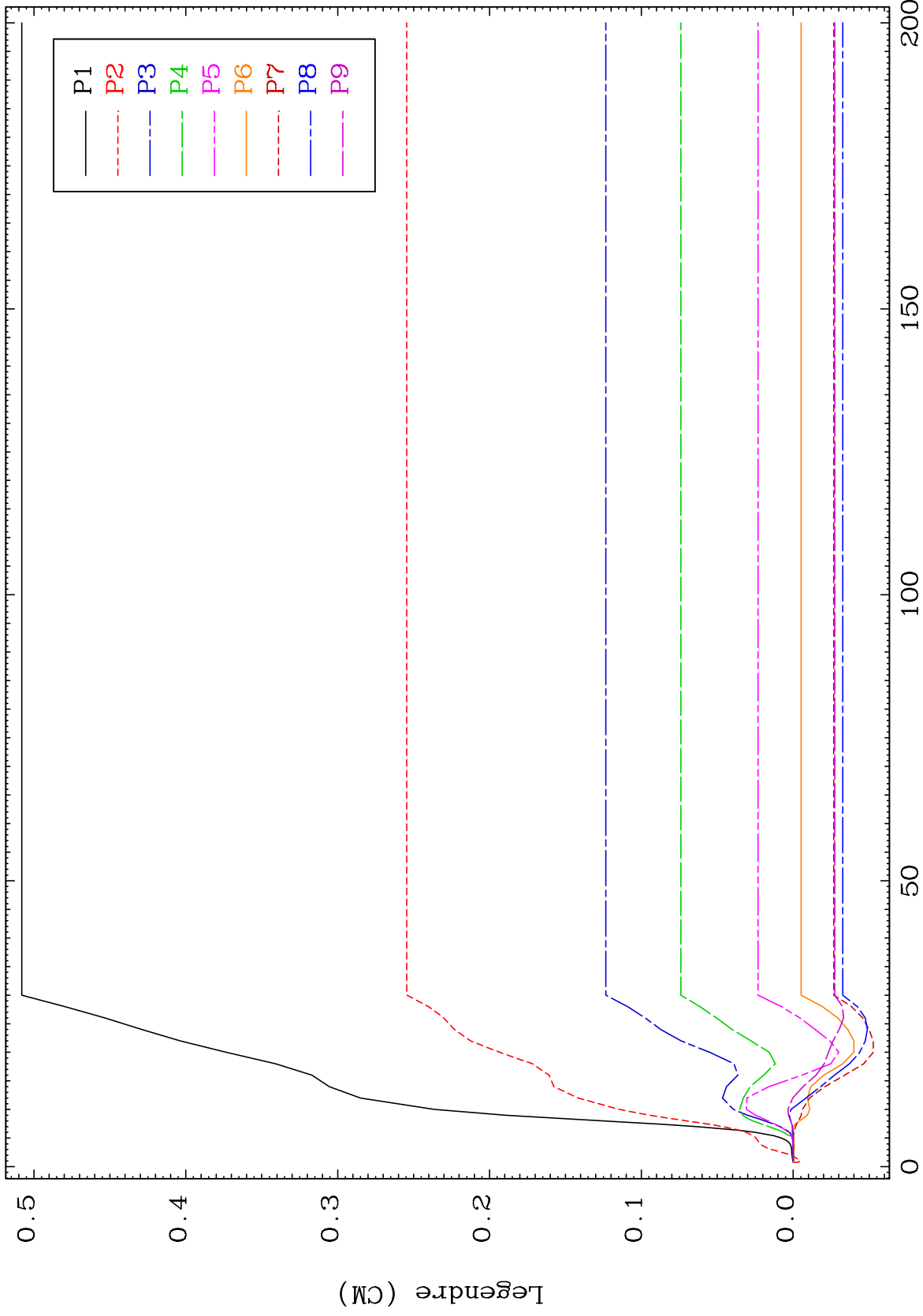
<sup>34</sup>Se-73



MAT 3422

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

<sup>34</sup>Se-73



74

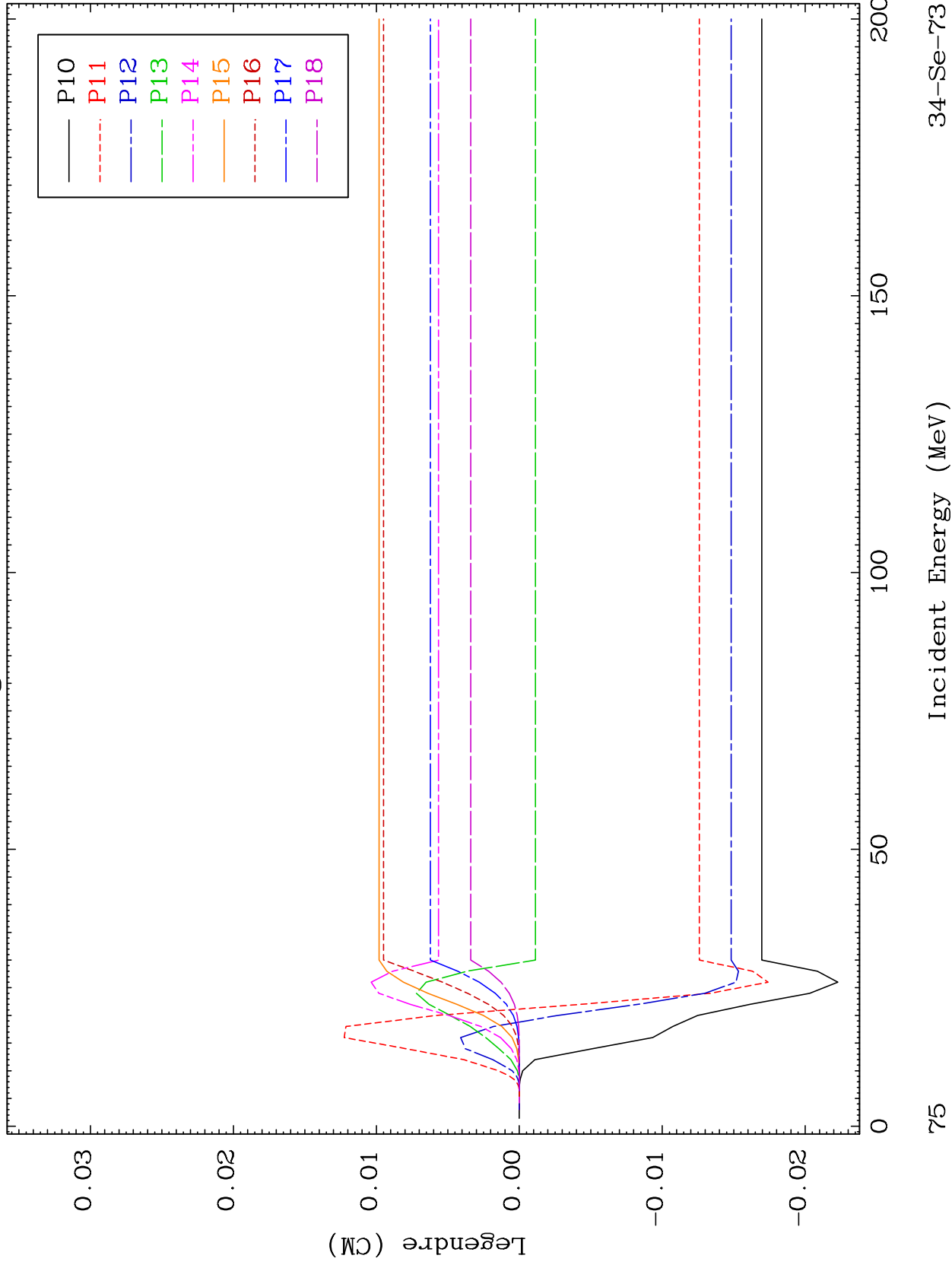
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

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

<sup>34</sup>Se-73



<sup>34</sup>Se-73

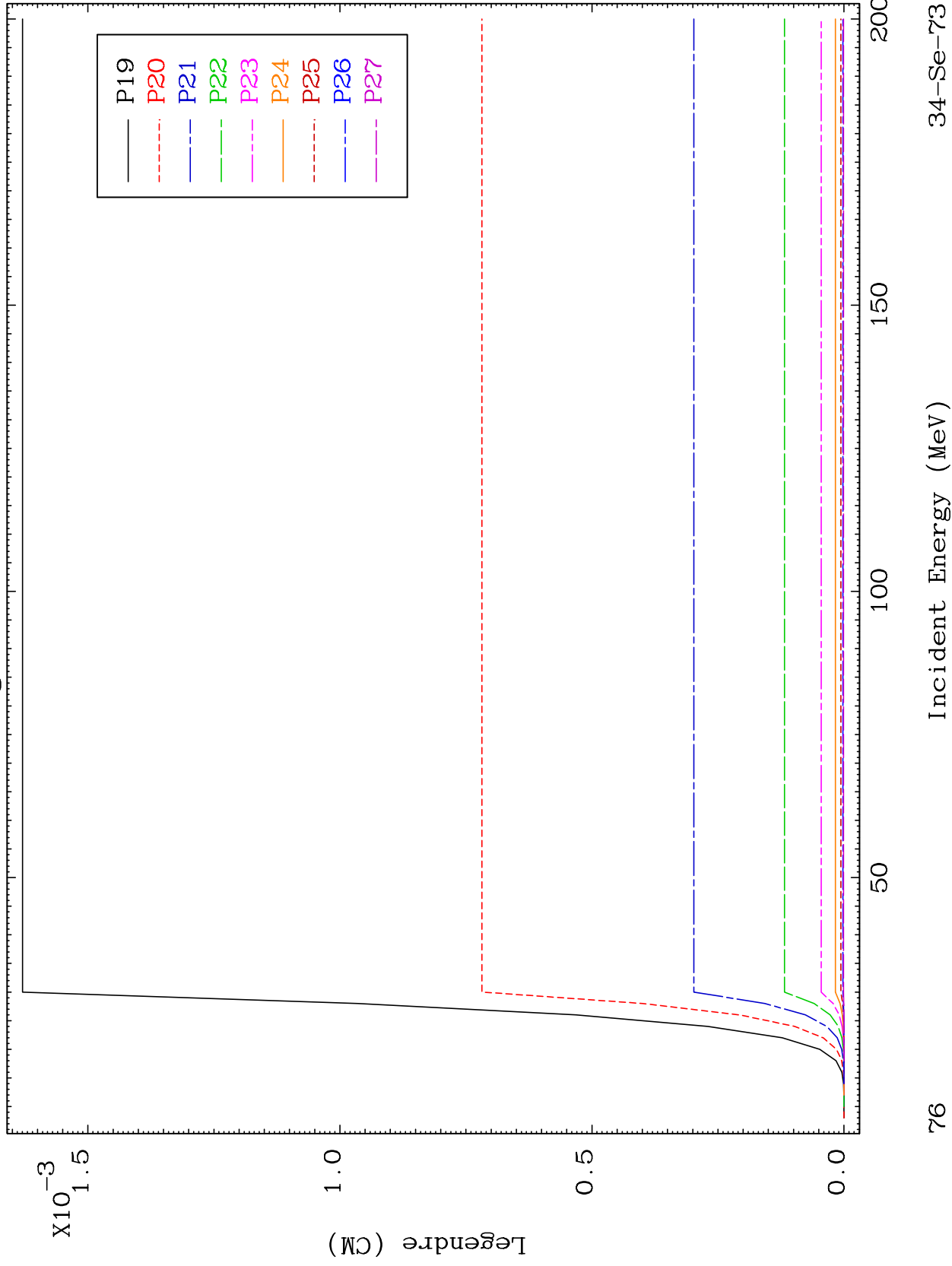
Incident Energy (MeV)

75

MAT 3422

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

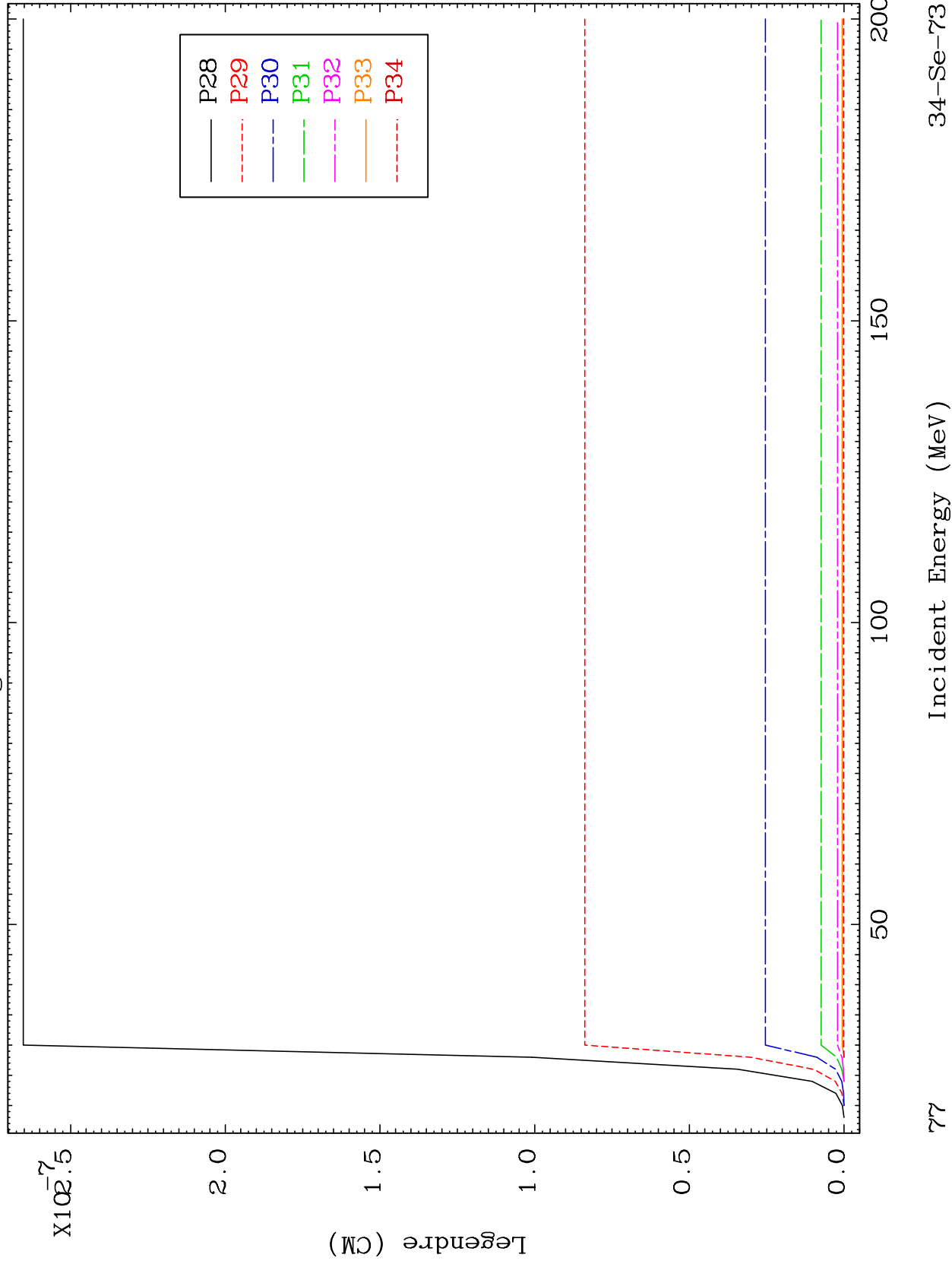
<sup>34</sup>Se-73



MAT 3422

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

<sup>34</sup>Se-73

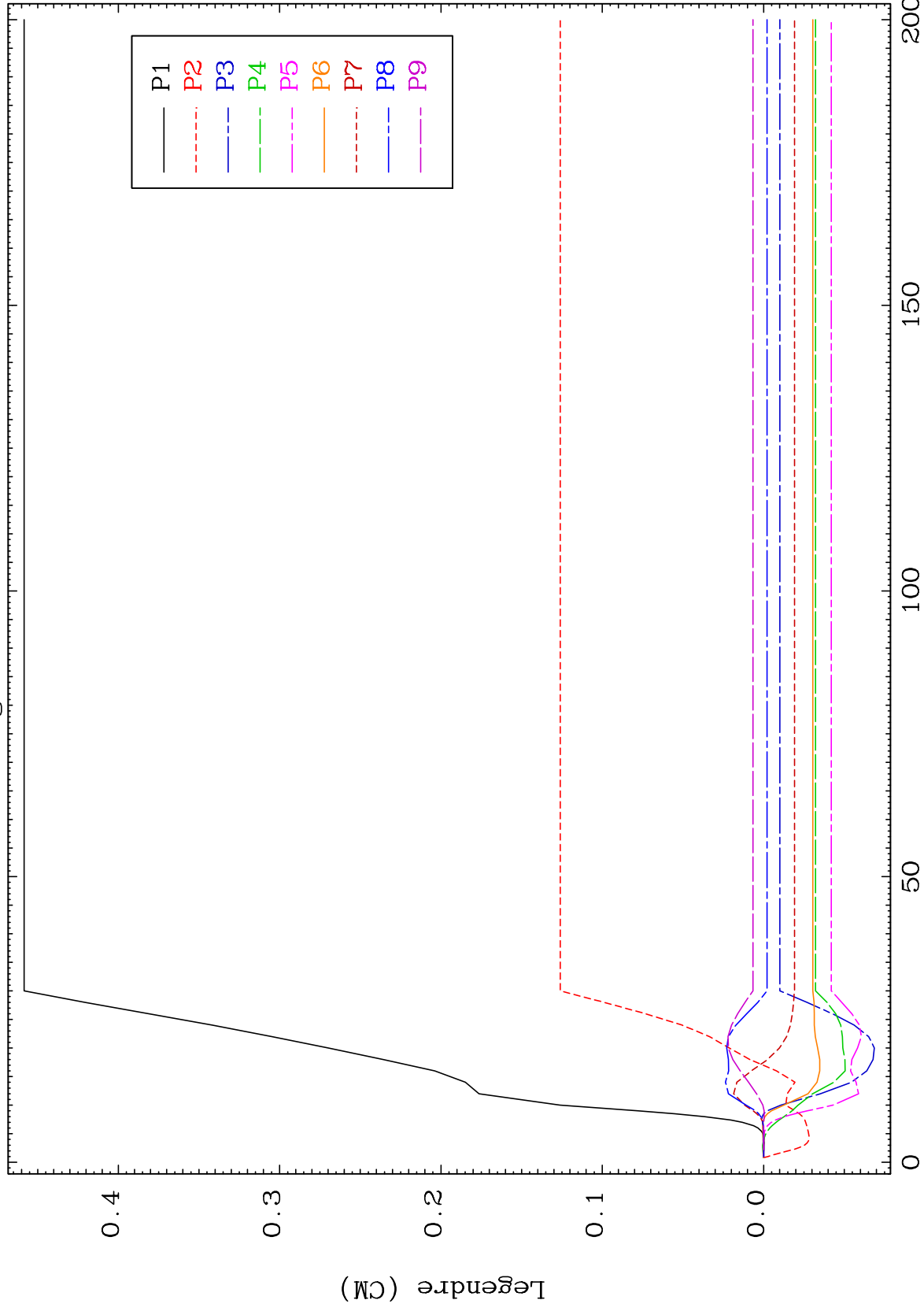


77

MAT 3422

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

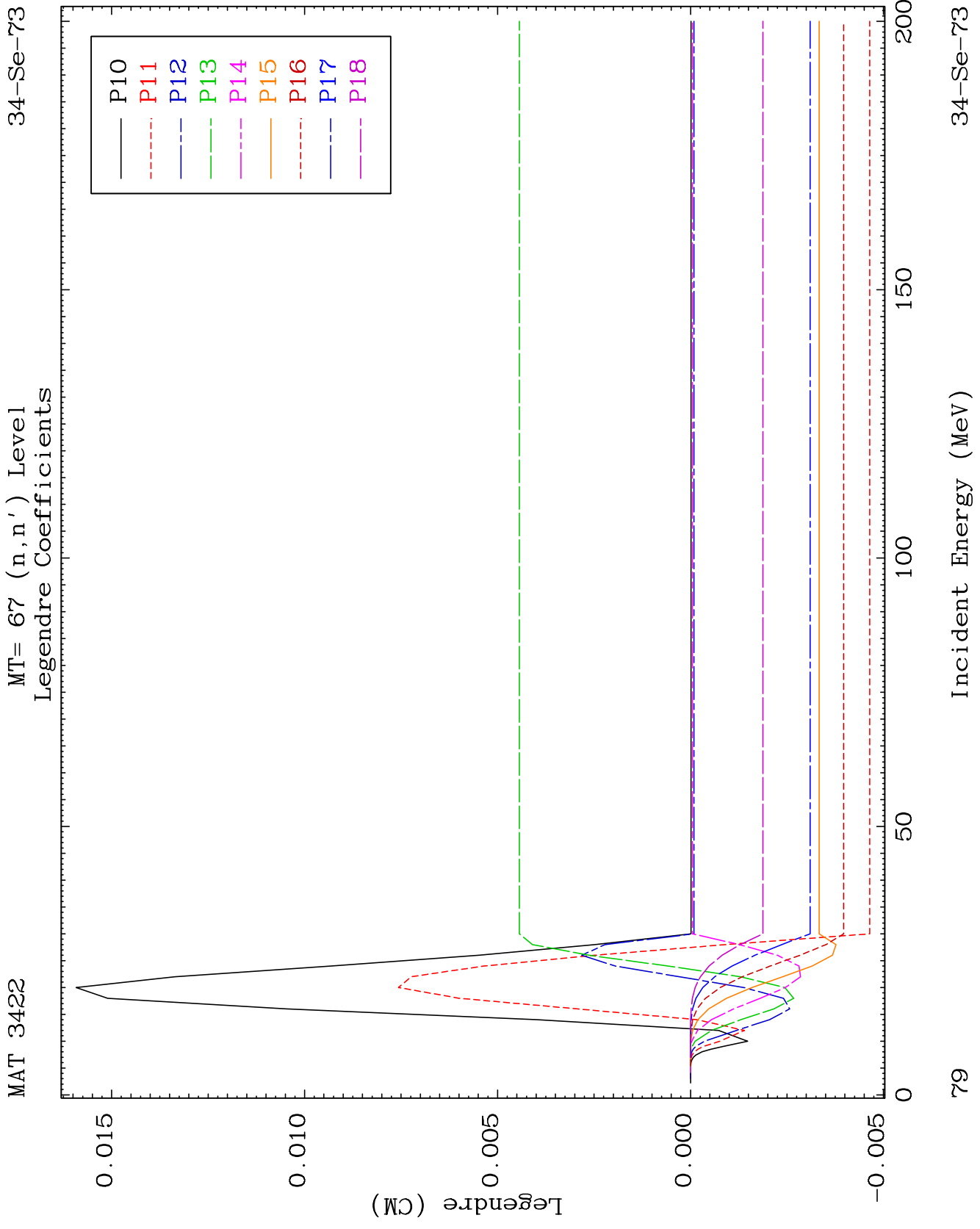
<sup>34</sup>Se-73



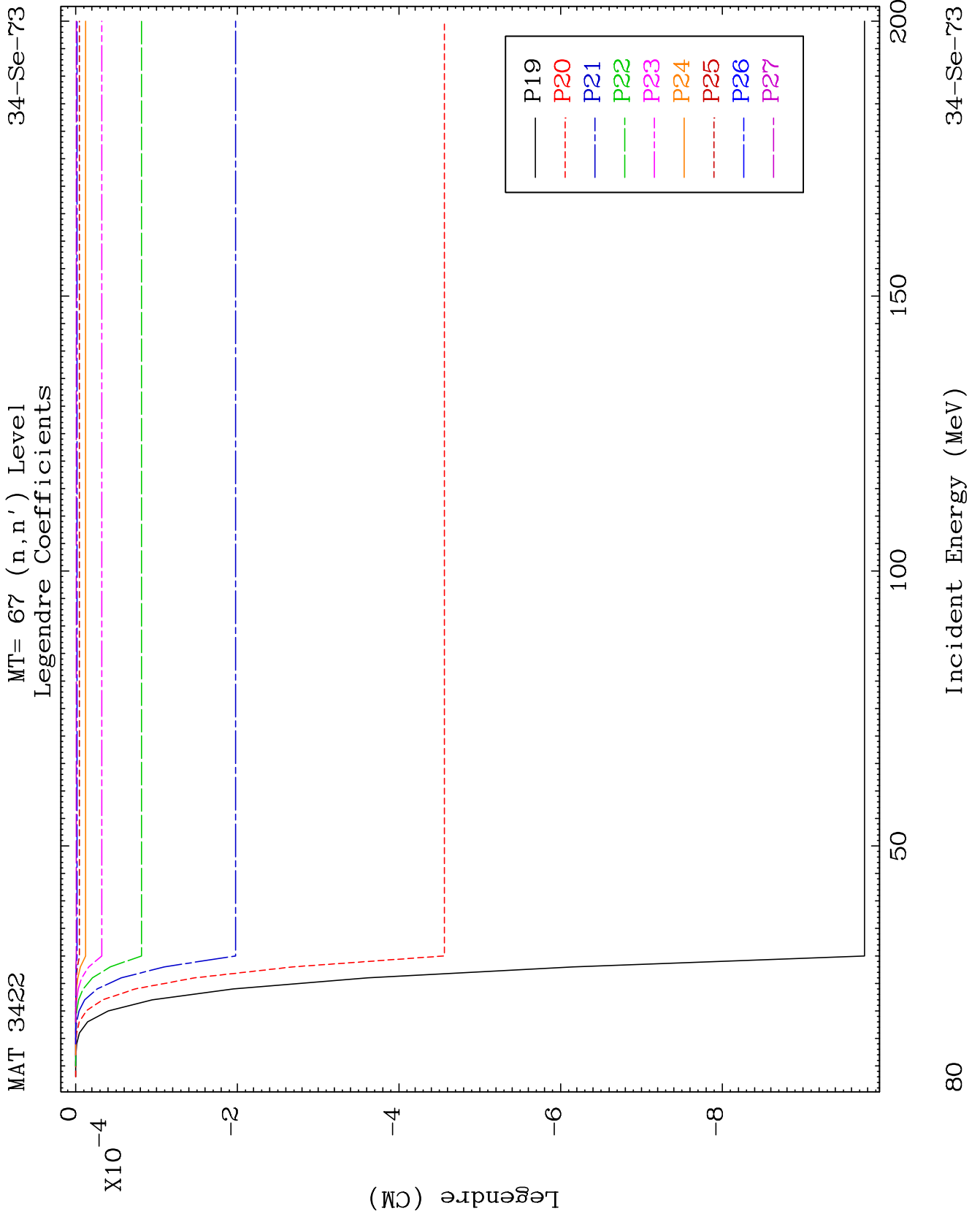
78

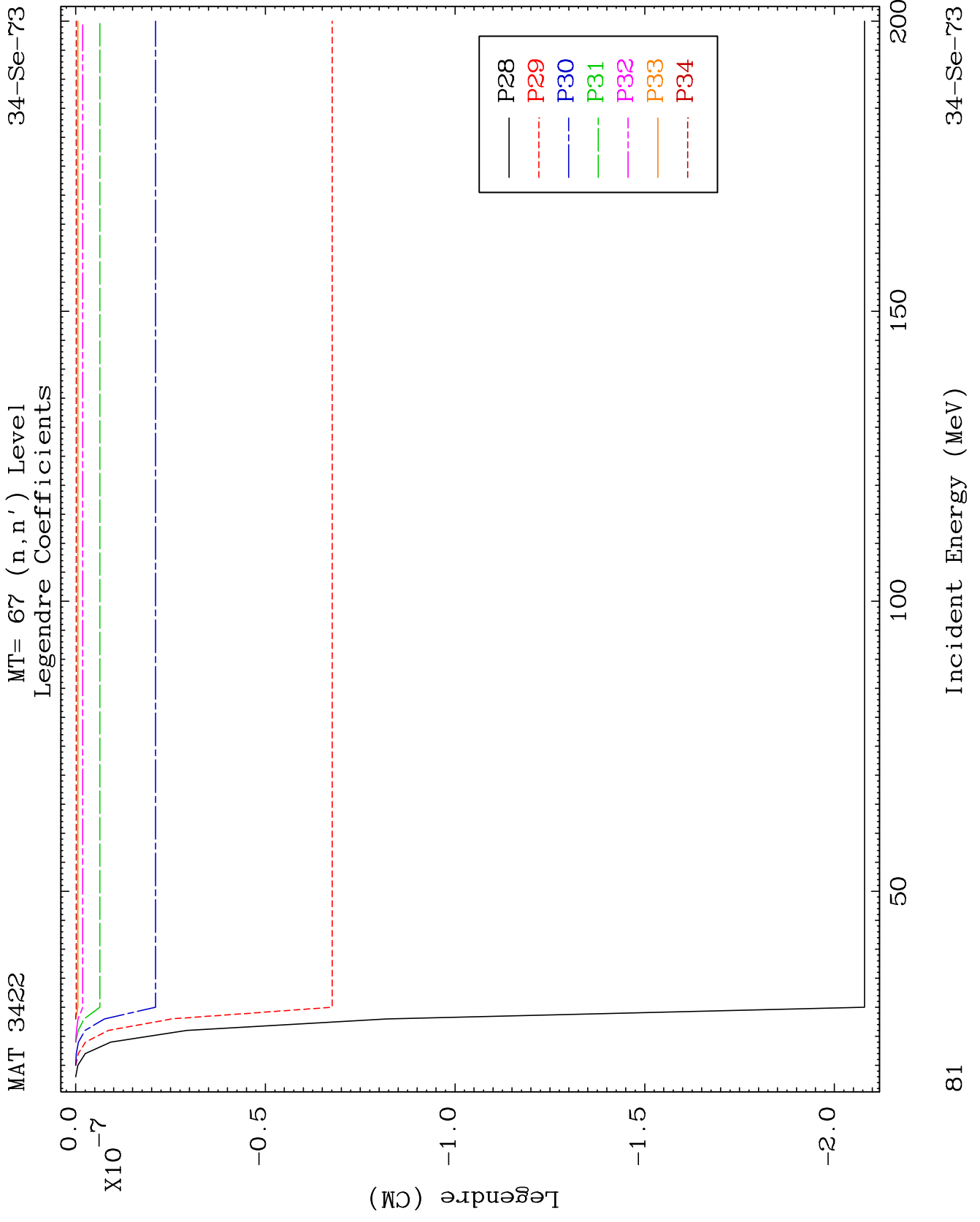
Incident Energy (MeV)

<sup>34</sup>Se-73





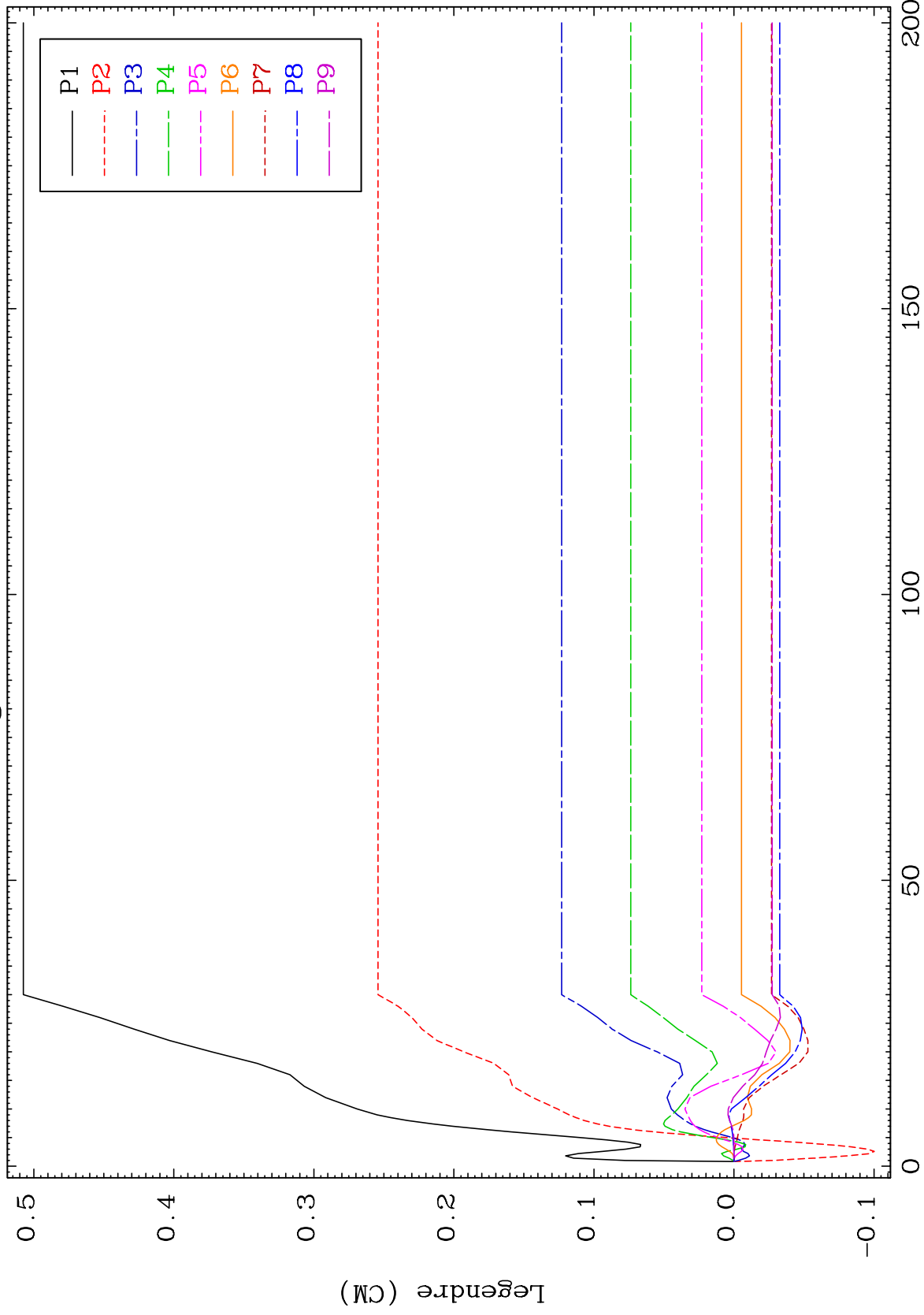




MAT 3422

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

<sup>34</sup>Se-73



82

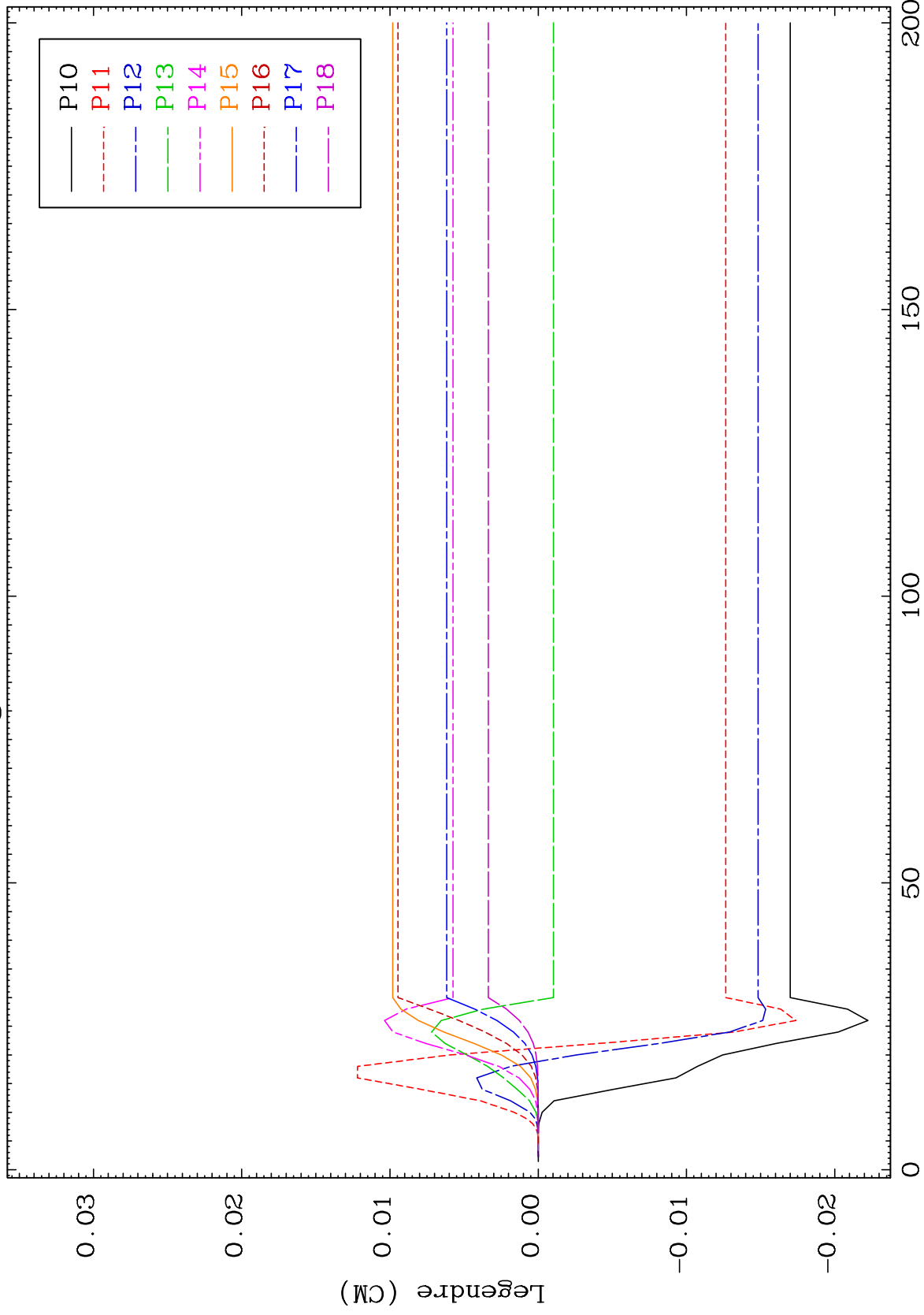
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

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

<sup>34</sup>Se-73



83

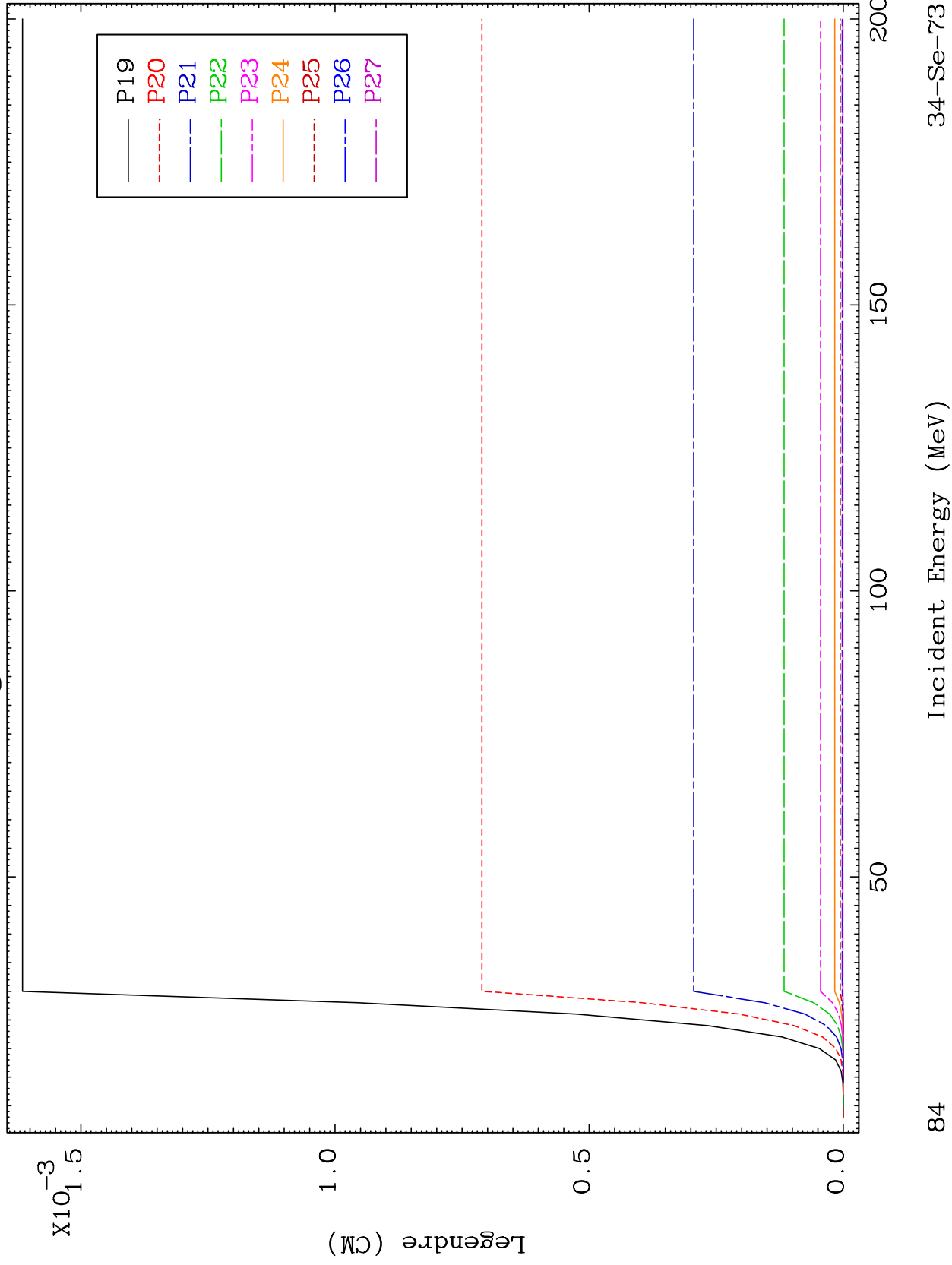
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

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

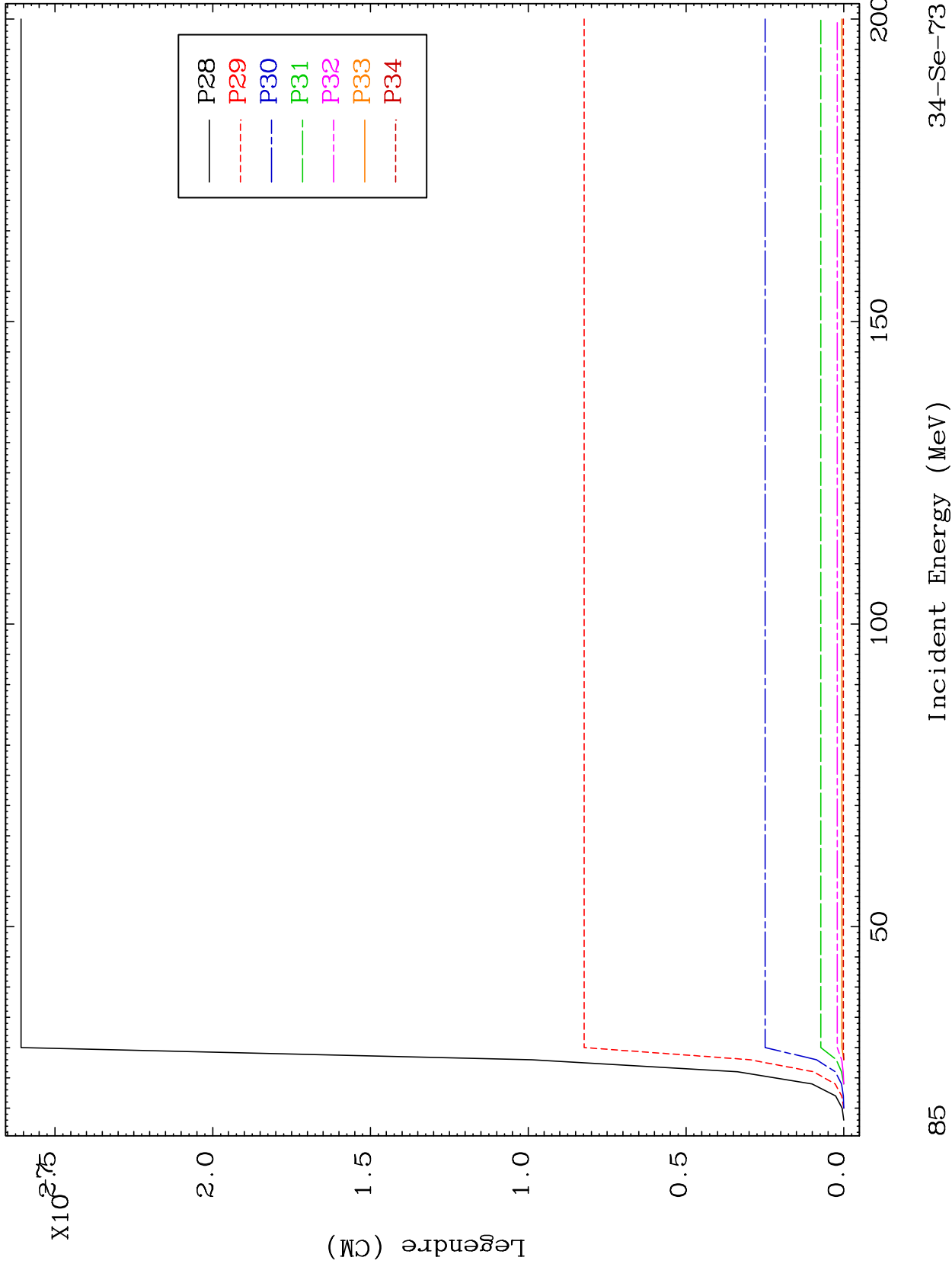
<sup>34</sup>Se-73



MAT 3422

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

<sup>34</sup>Se-73



85

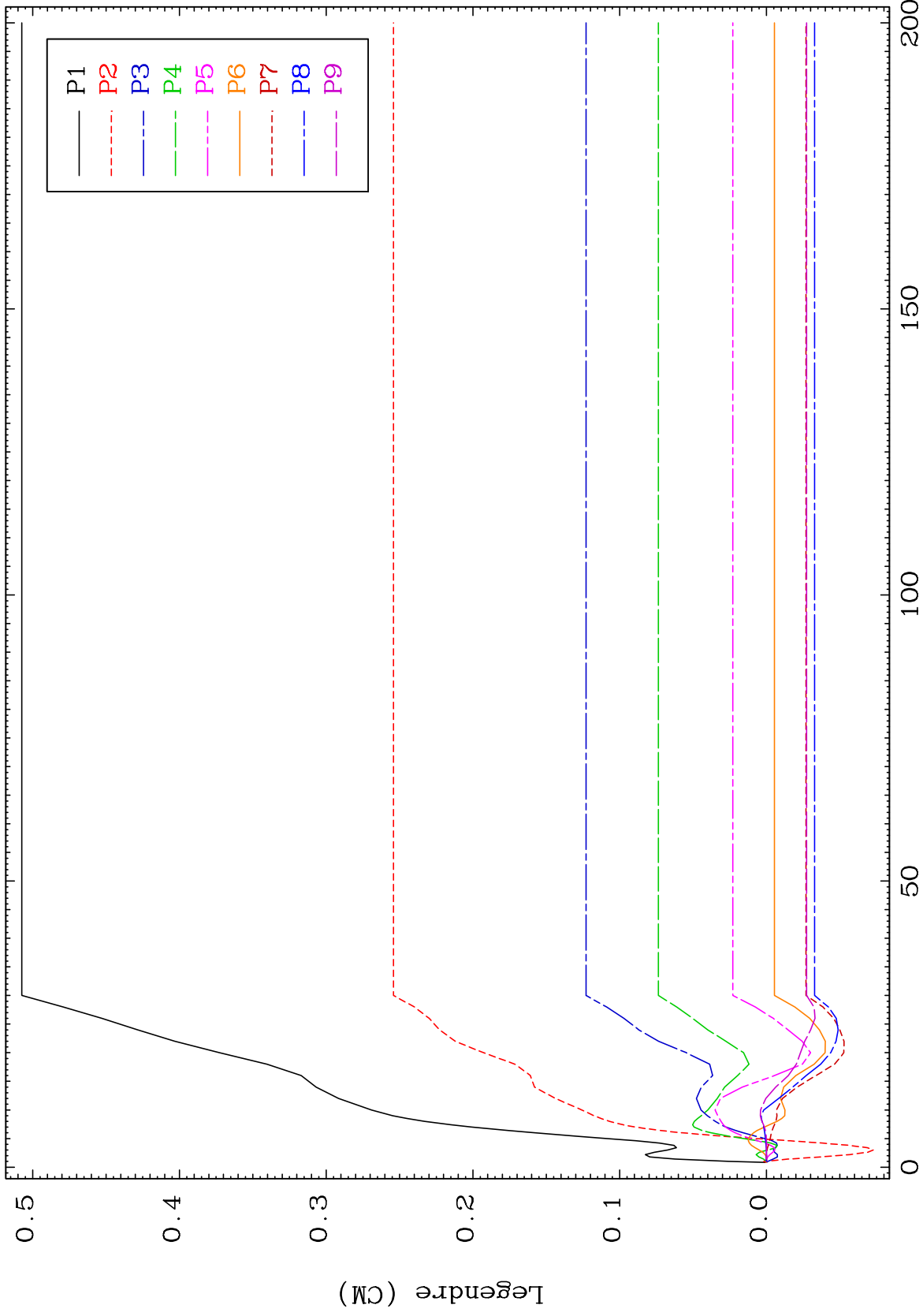
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

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

<sup>34</sup>Se-73



86

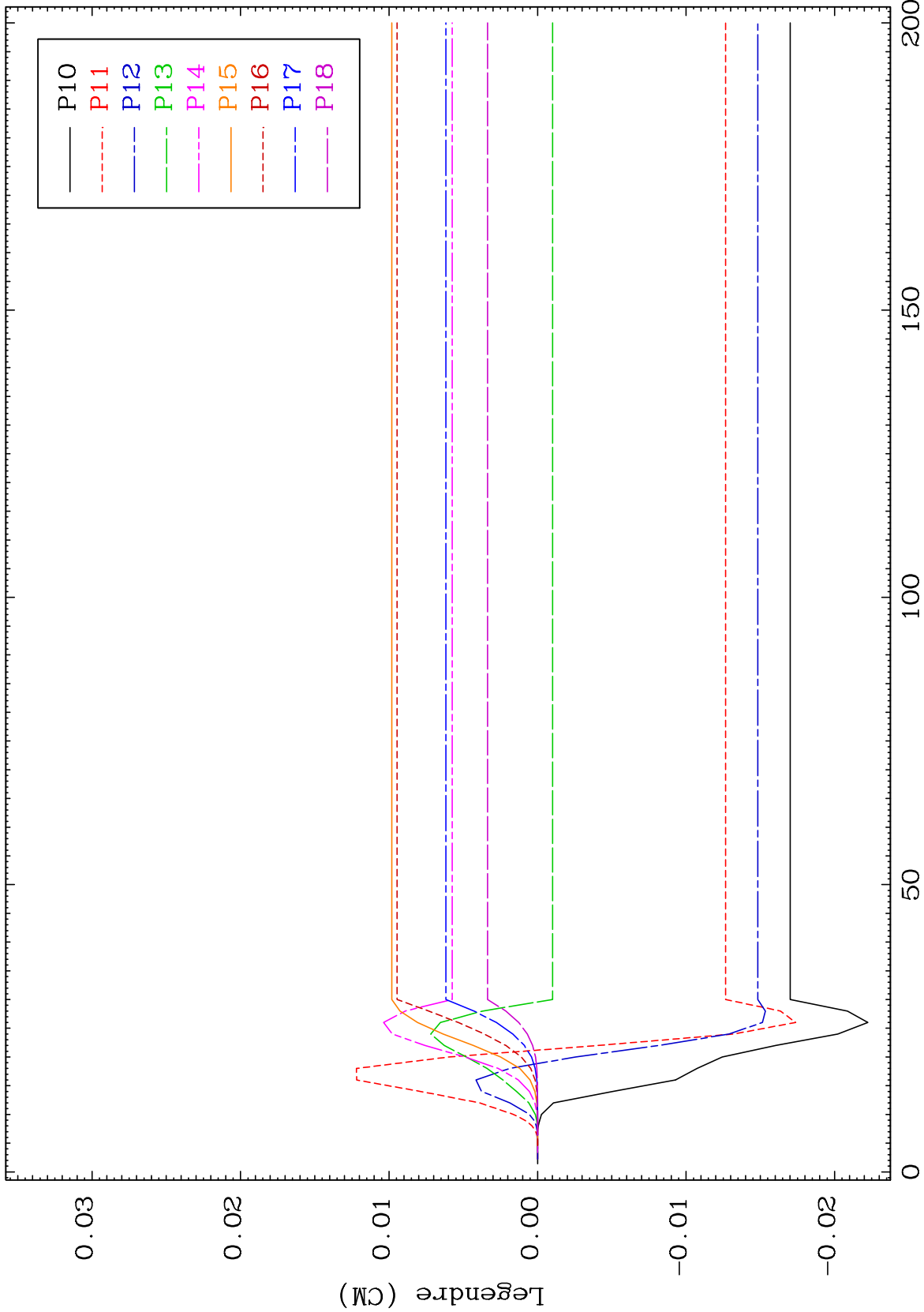
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

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

<sup>34</sup>Se-73



87

Incident Energy (MeV)

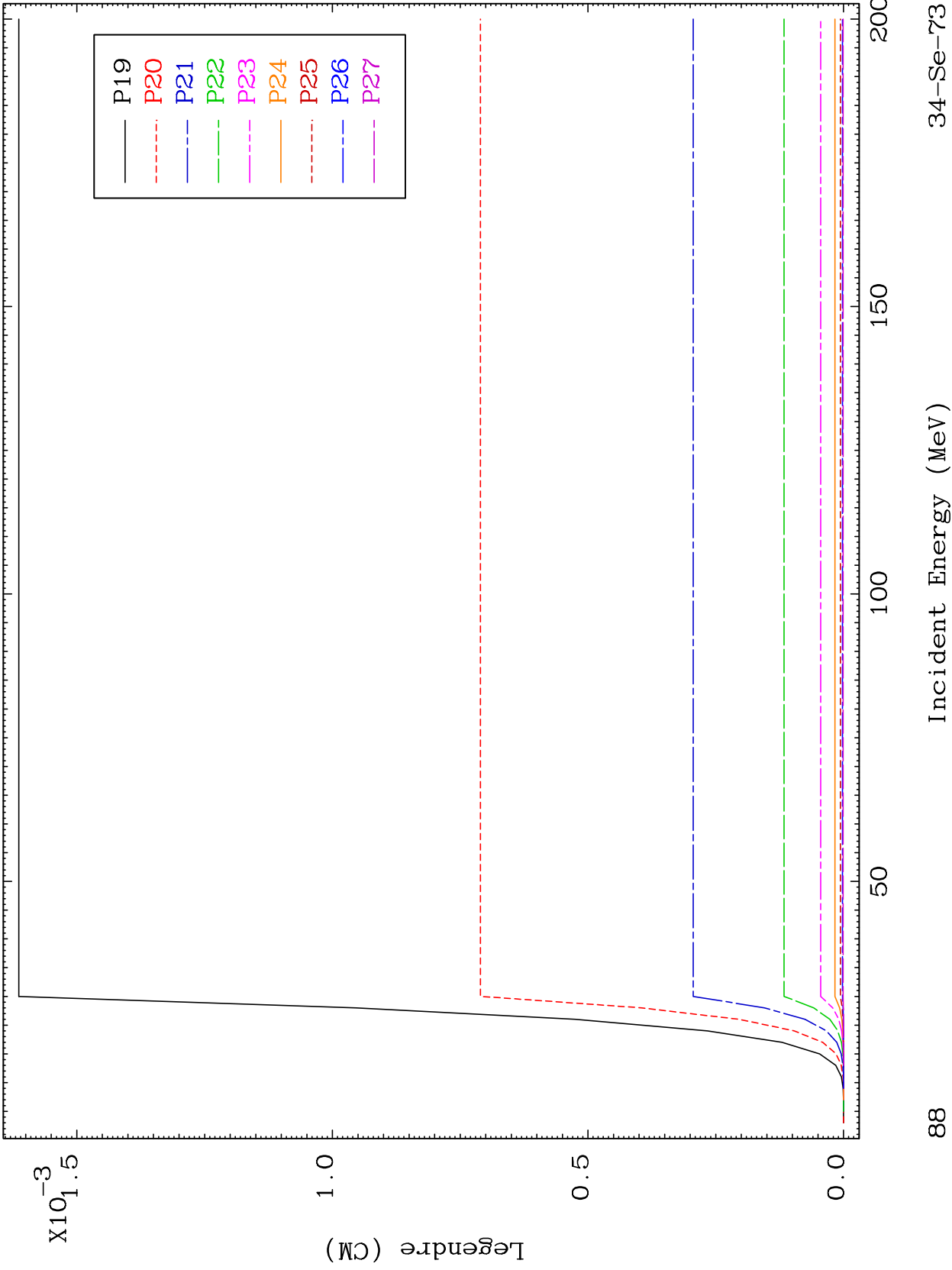
<sup>34</sup>Se-73



MAT 3422

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

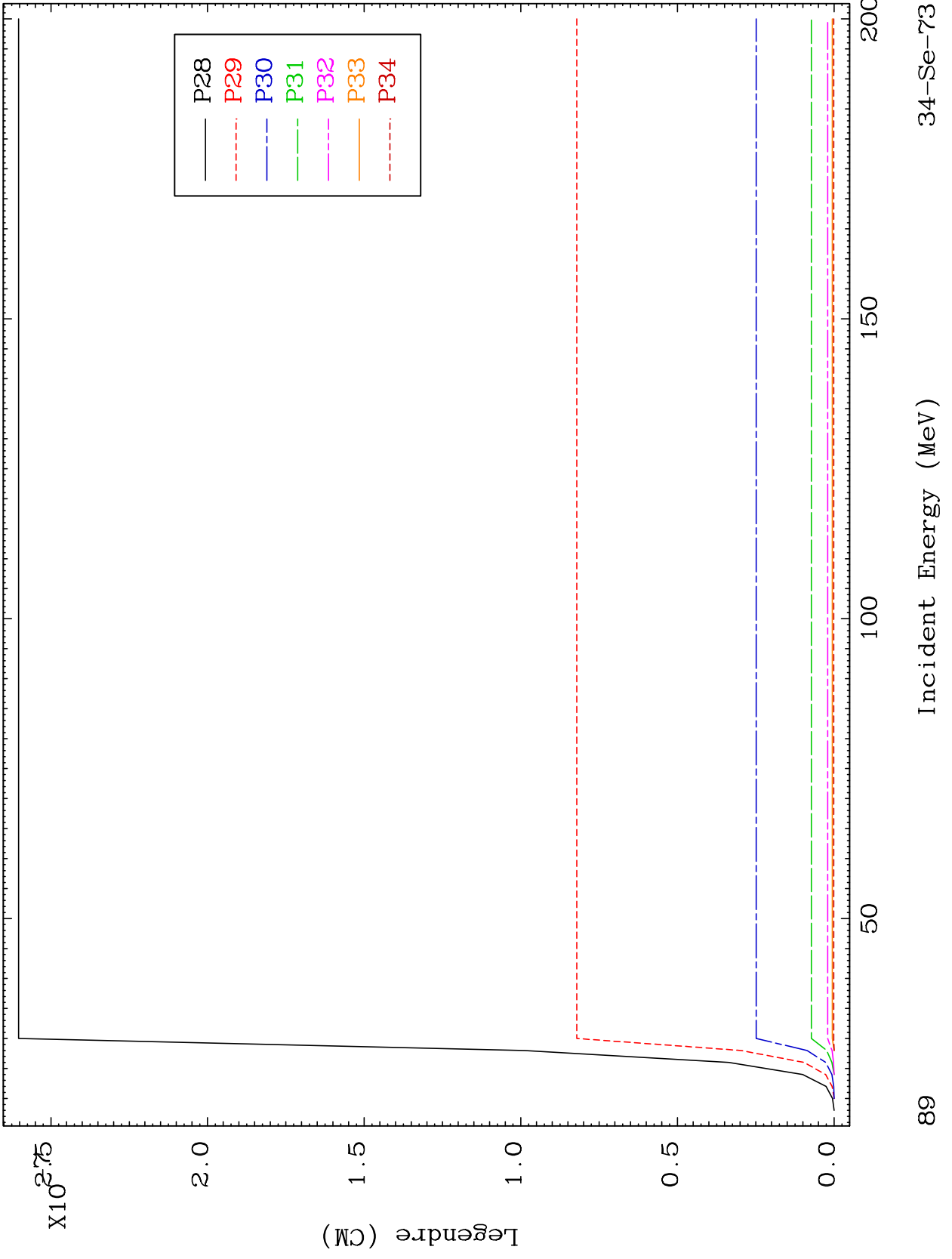
34-Se-73

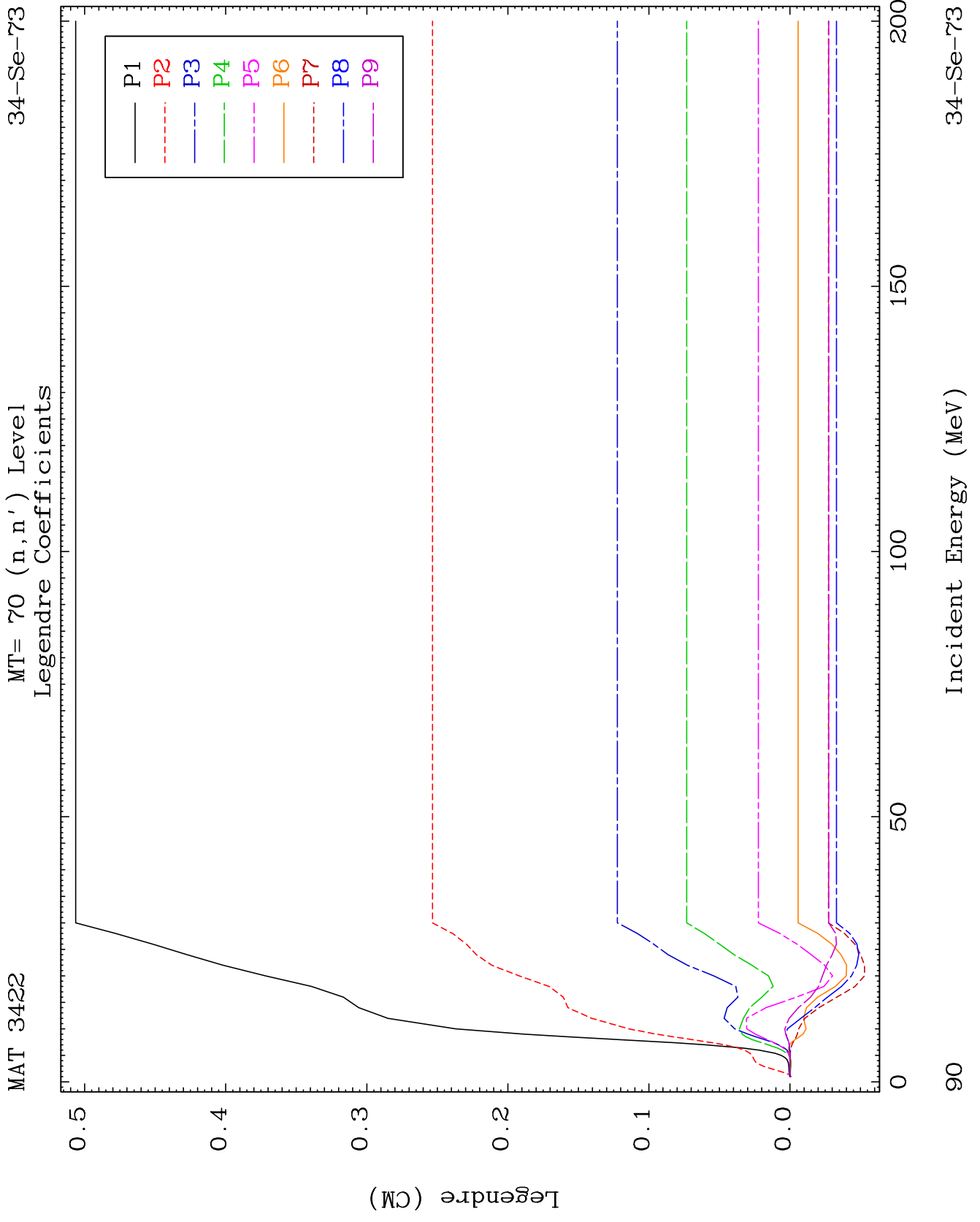


MAT 3422

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

34-Se-73

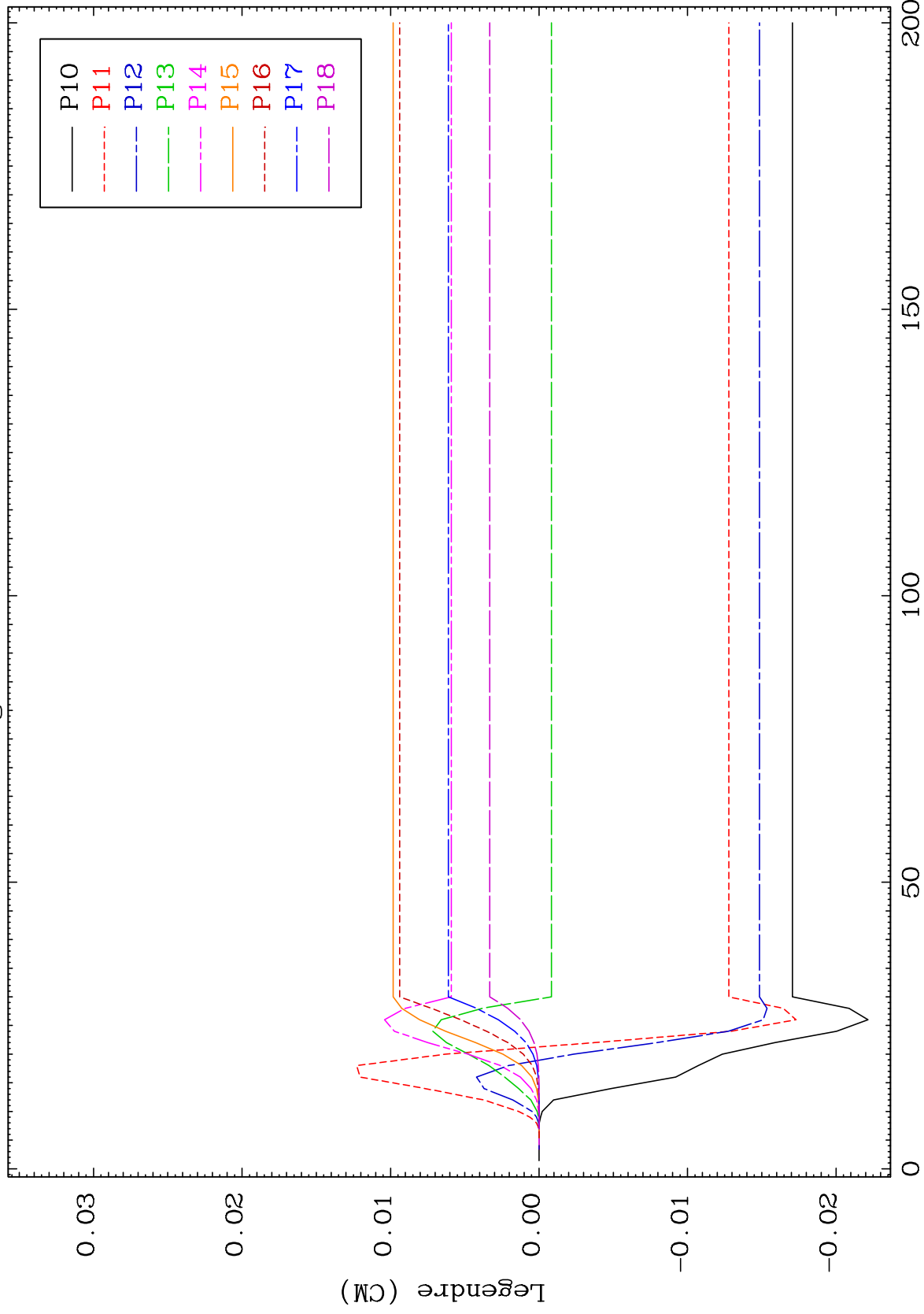




MAT 3422

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

<sup>34</sup>Se-73



91

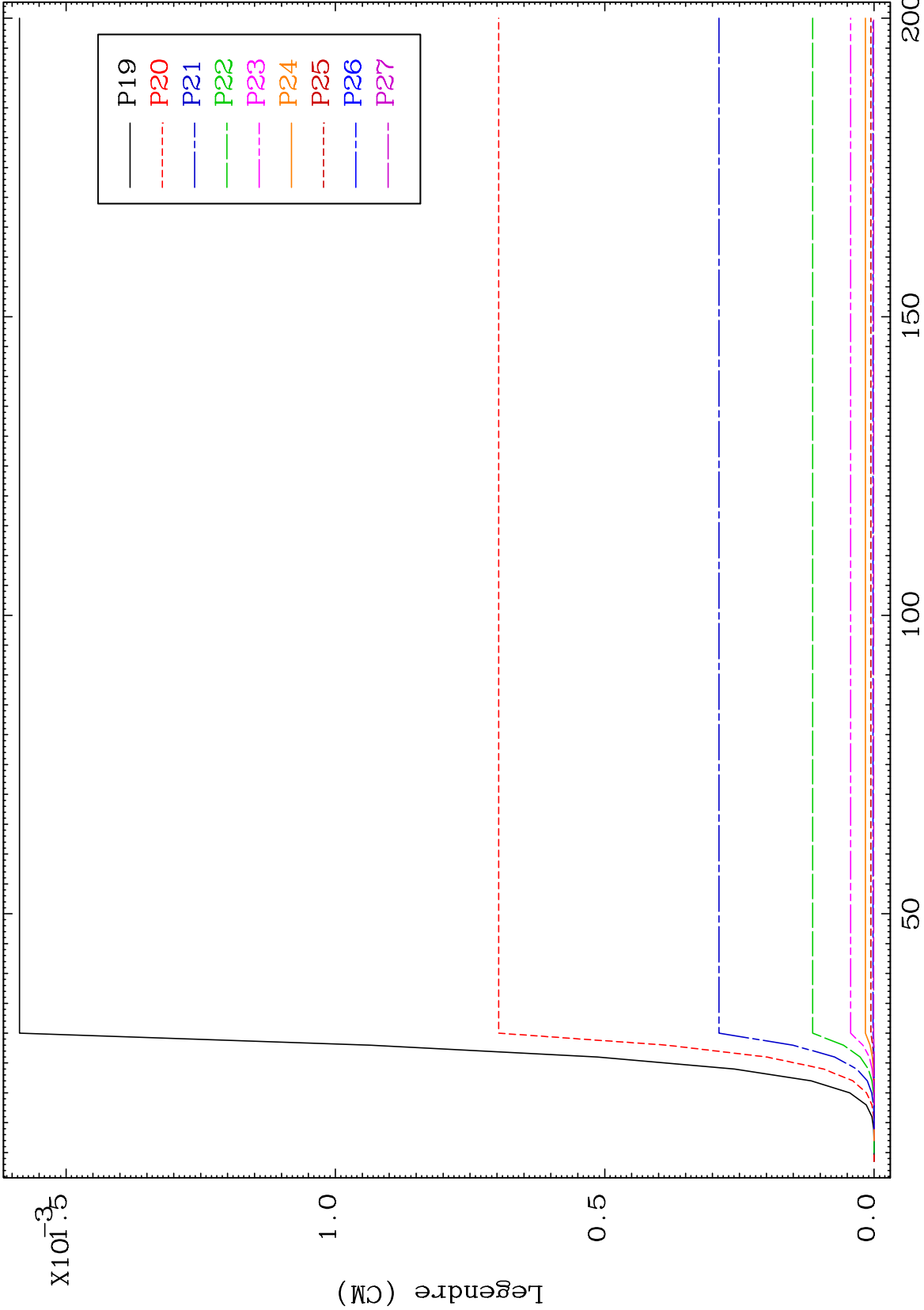
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

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

34-Se-73



92

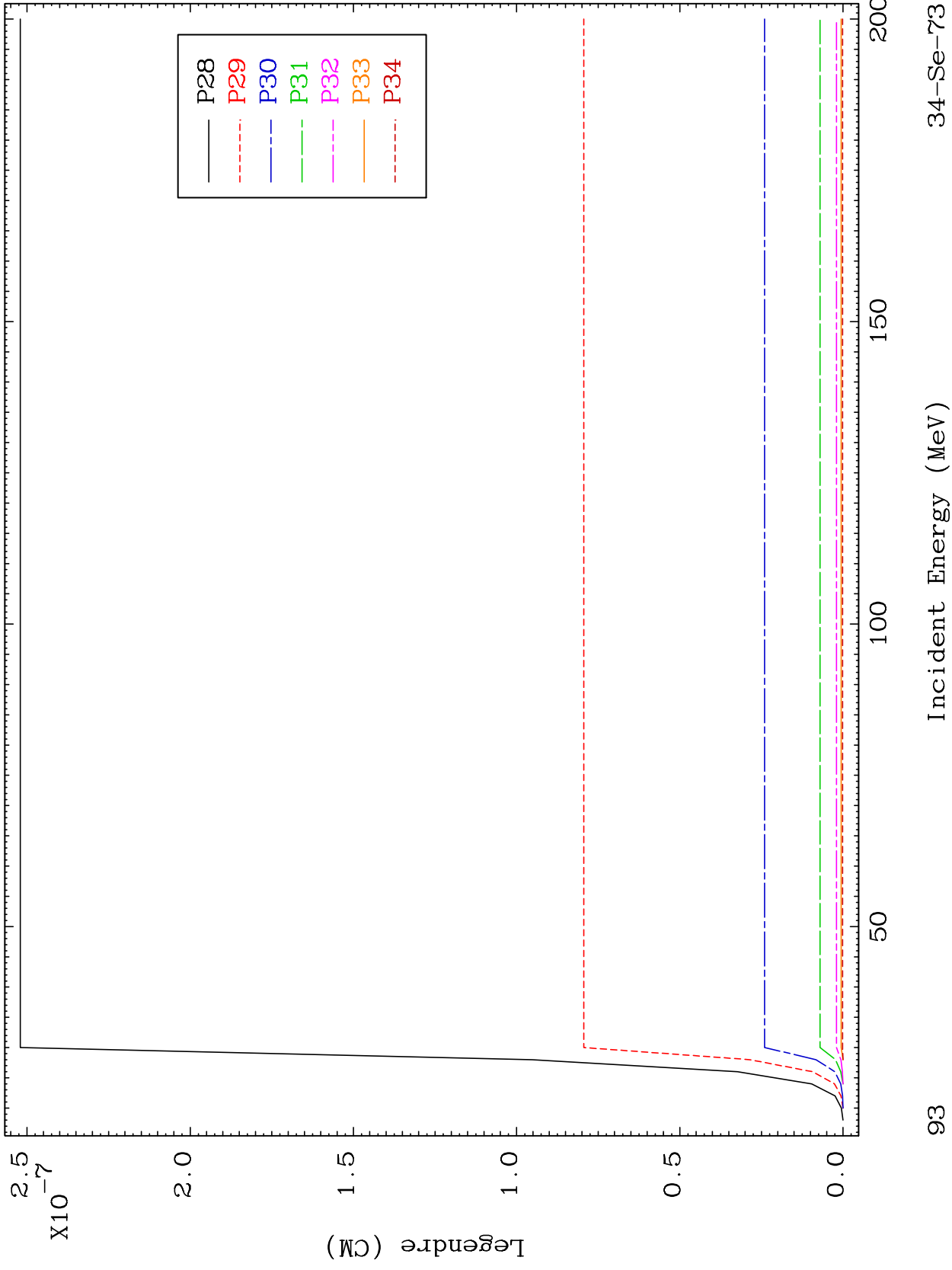
Incident Energy (MeV)

34-Se-73

MAT 3422

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

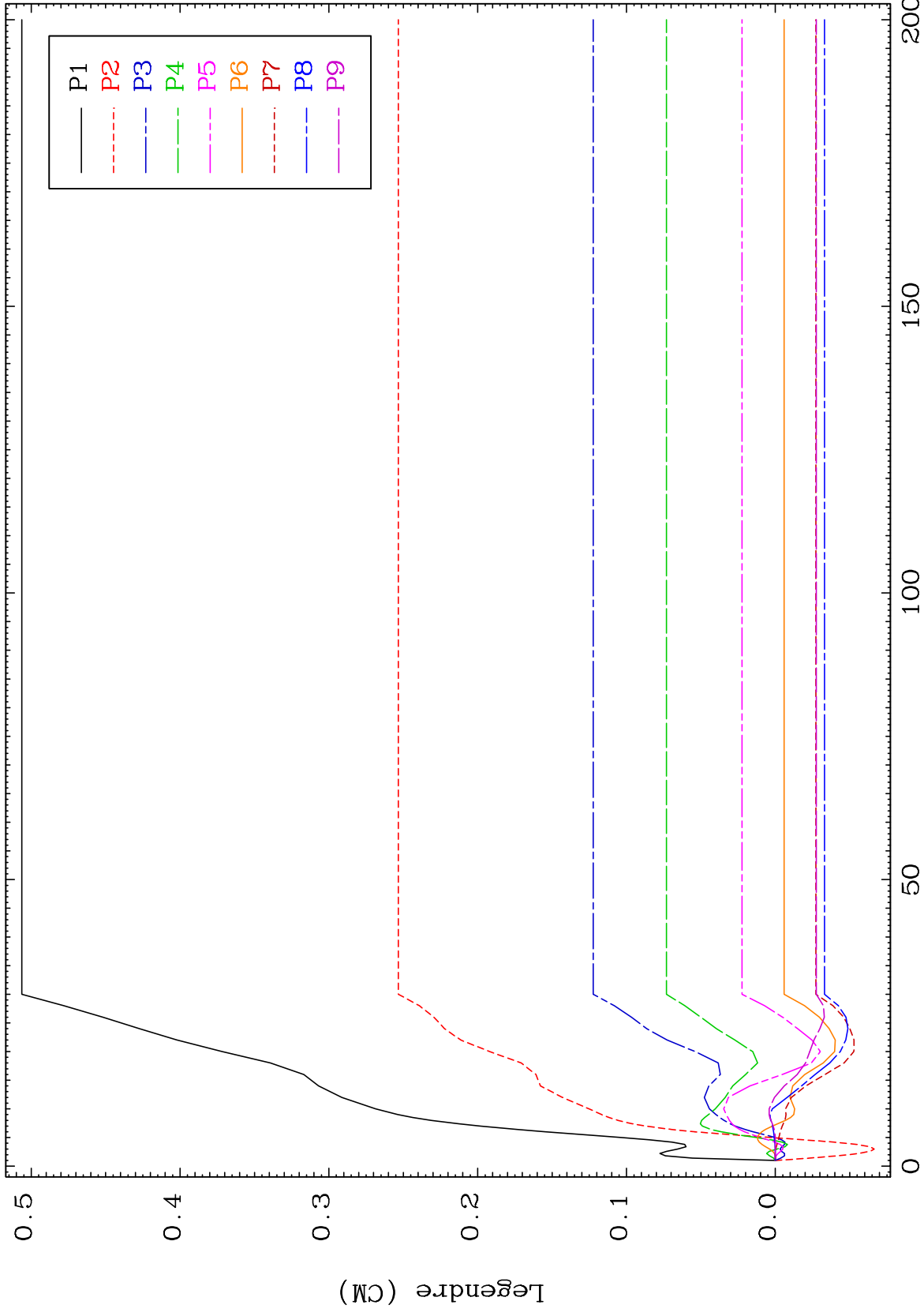
<sup>34</sup>Se-73



MAT 3422

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

<sup>34</sup>Se-73



94

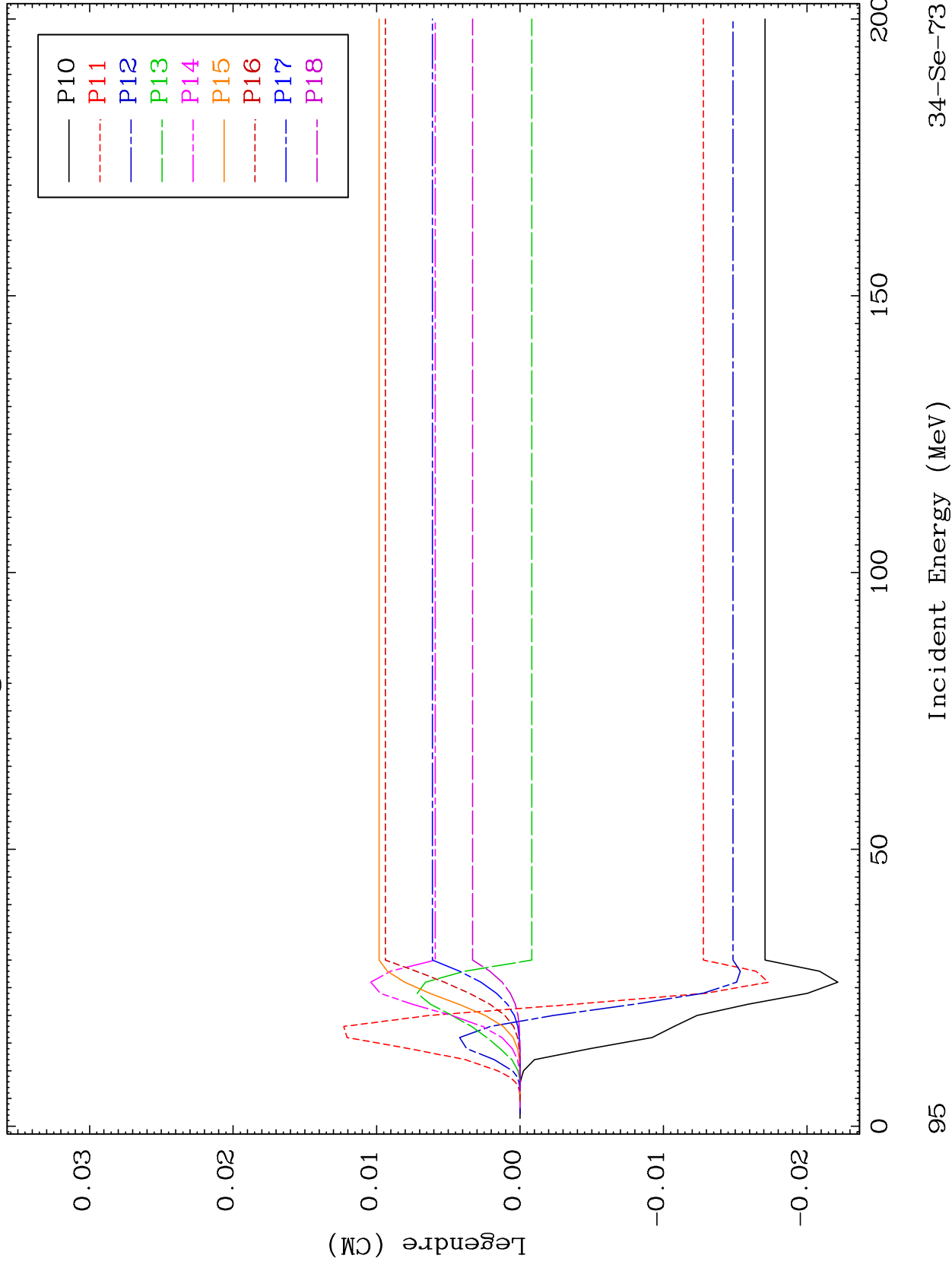
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

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

<sup>34</sup>Se-73



<sup>34</sup>Se-73

Incident Energy (MeV)

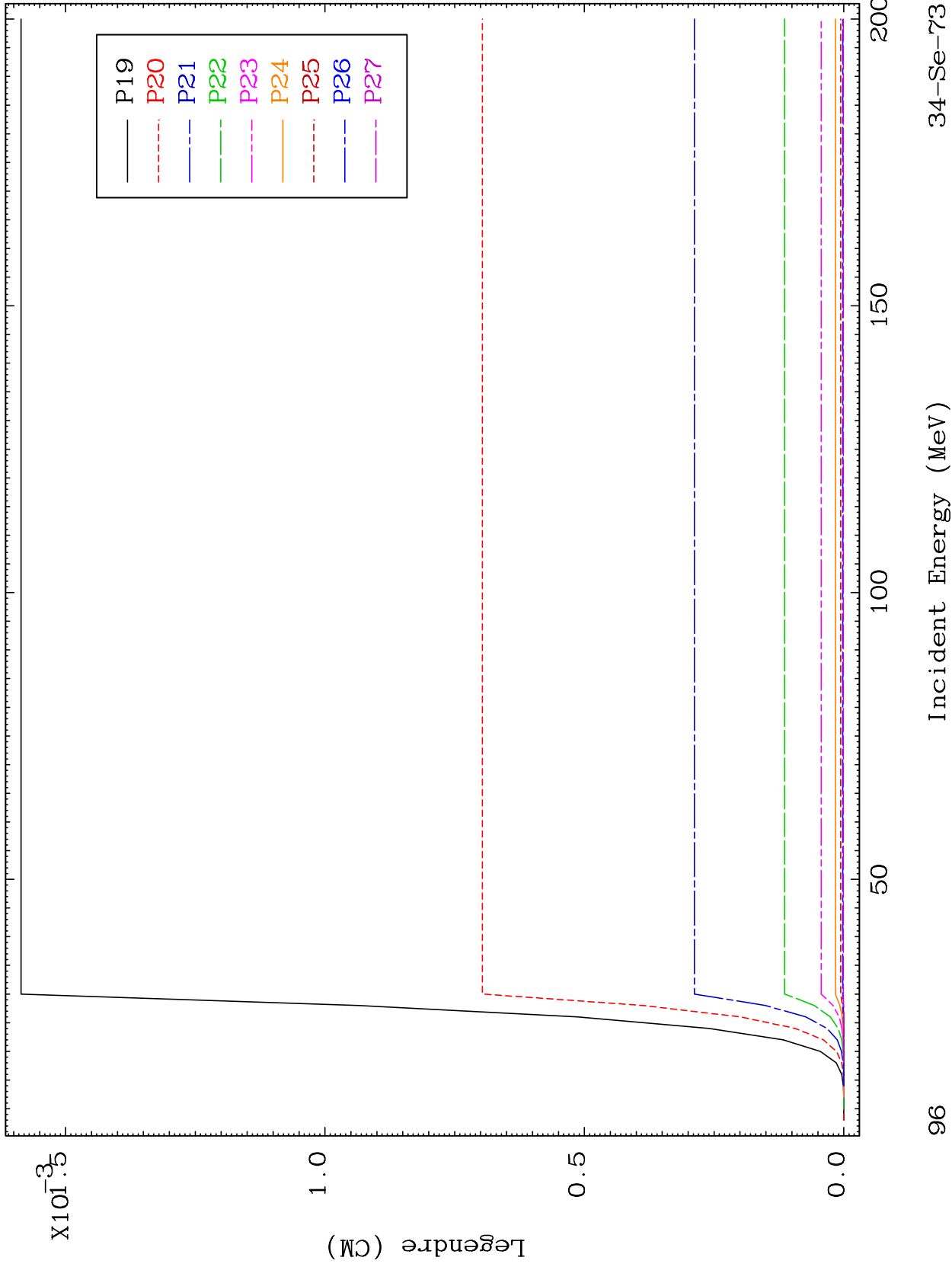
95



MAT 3422

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

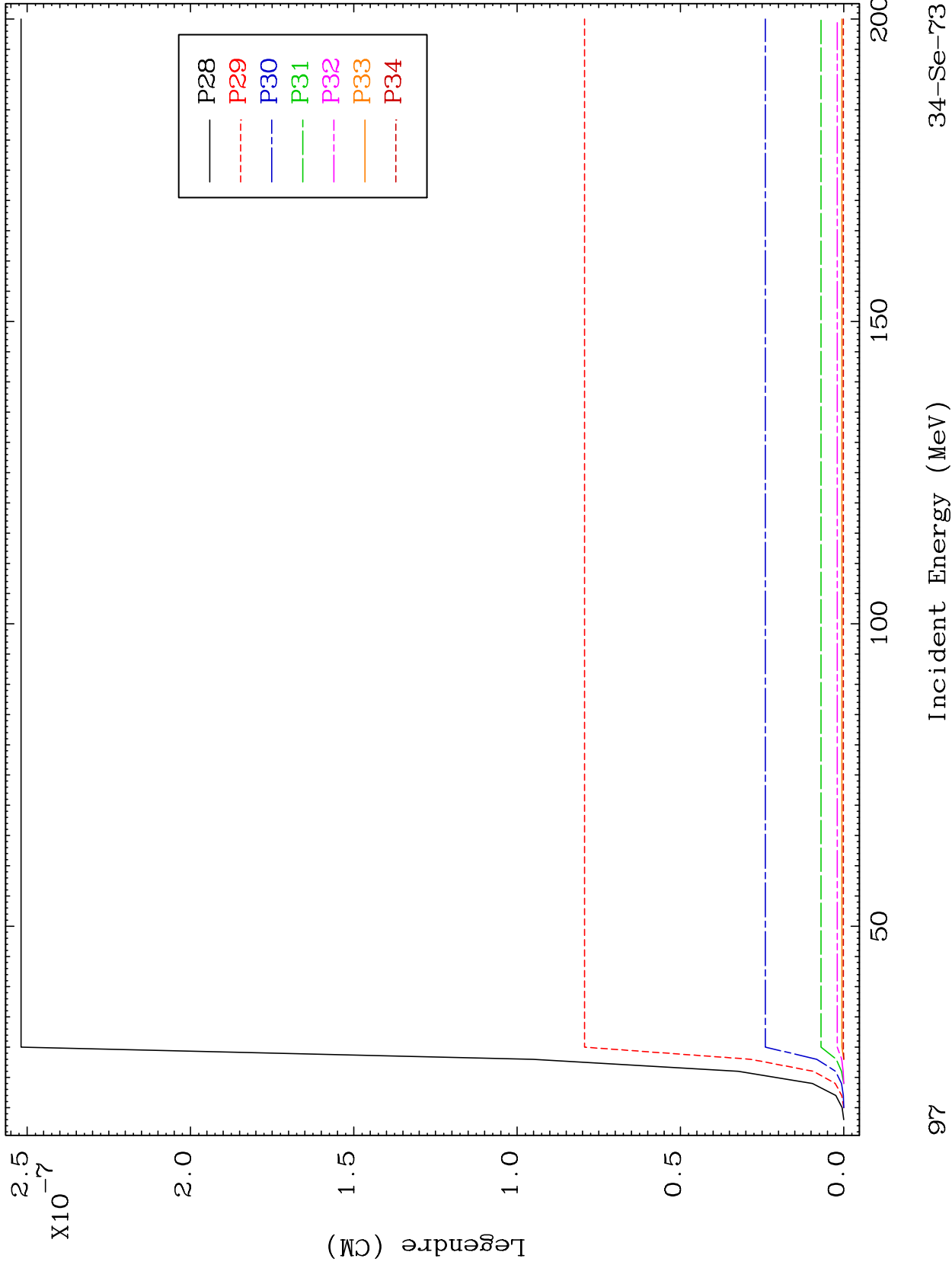
34-Se-73



MAT 3422

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

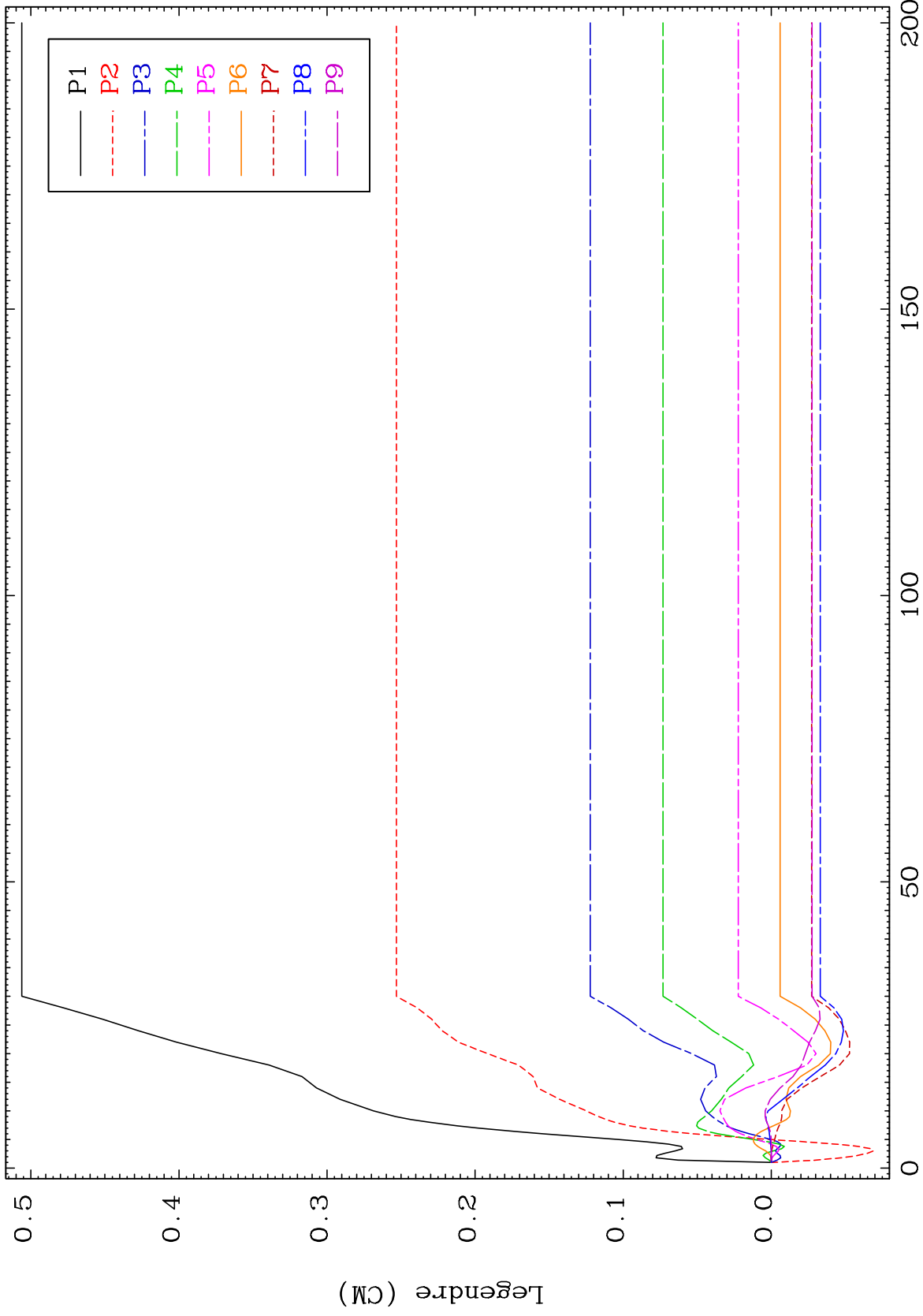
<sup>34</sup>Se-73



MAT 3422

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

34-Se-73



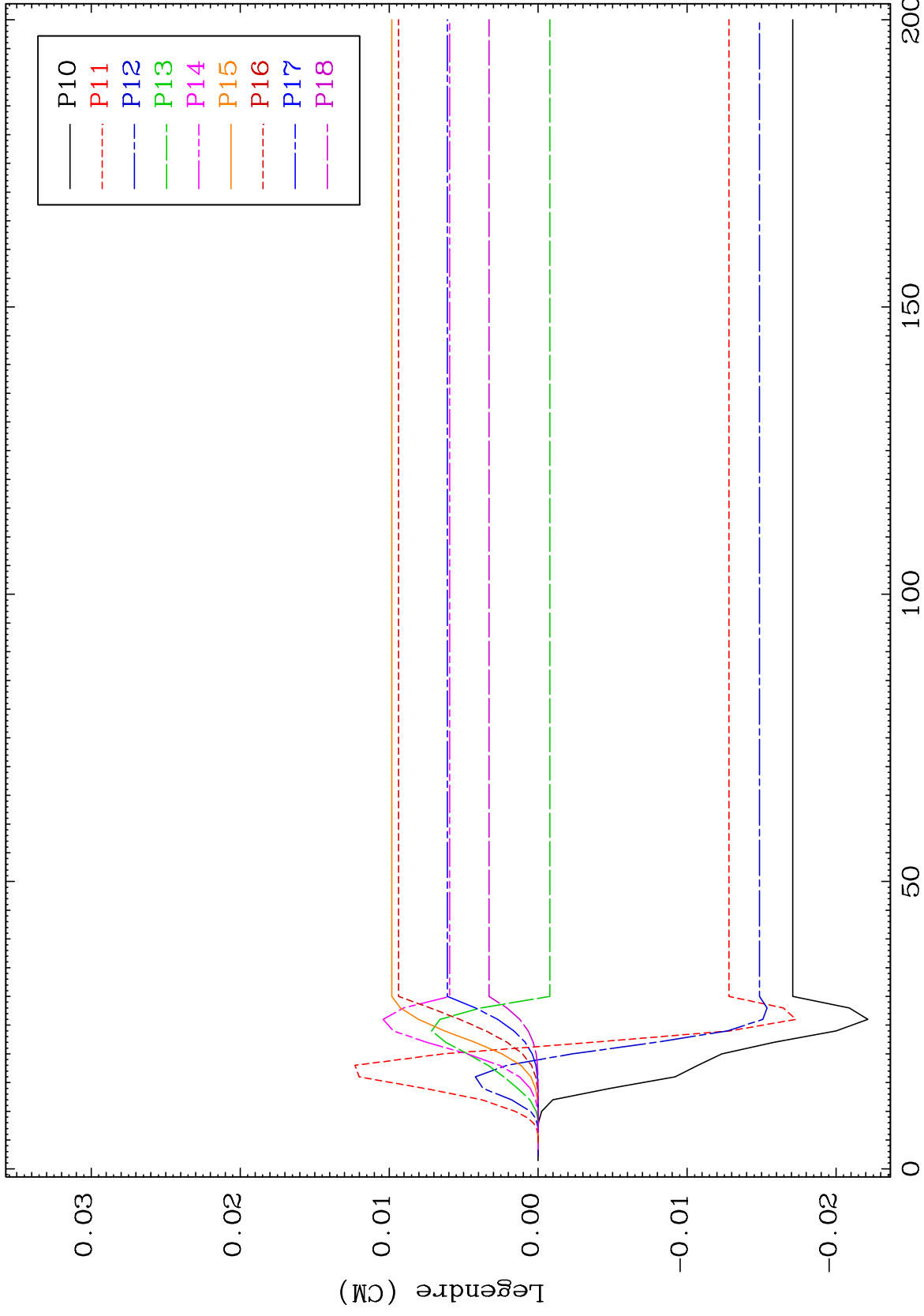
98

34-Se-73

MAT 3422

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

34-Se-73



99

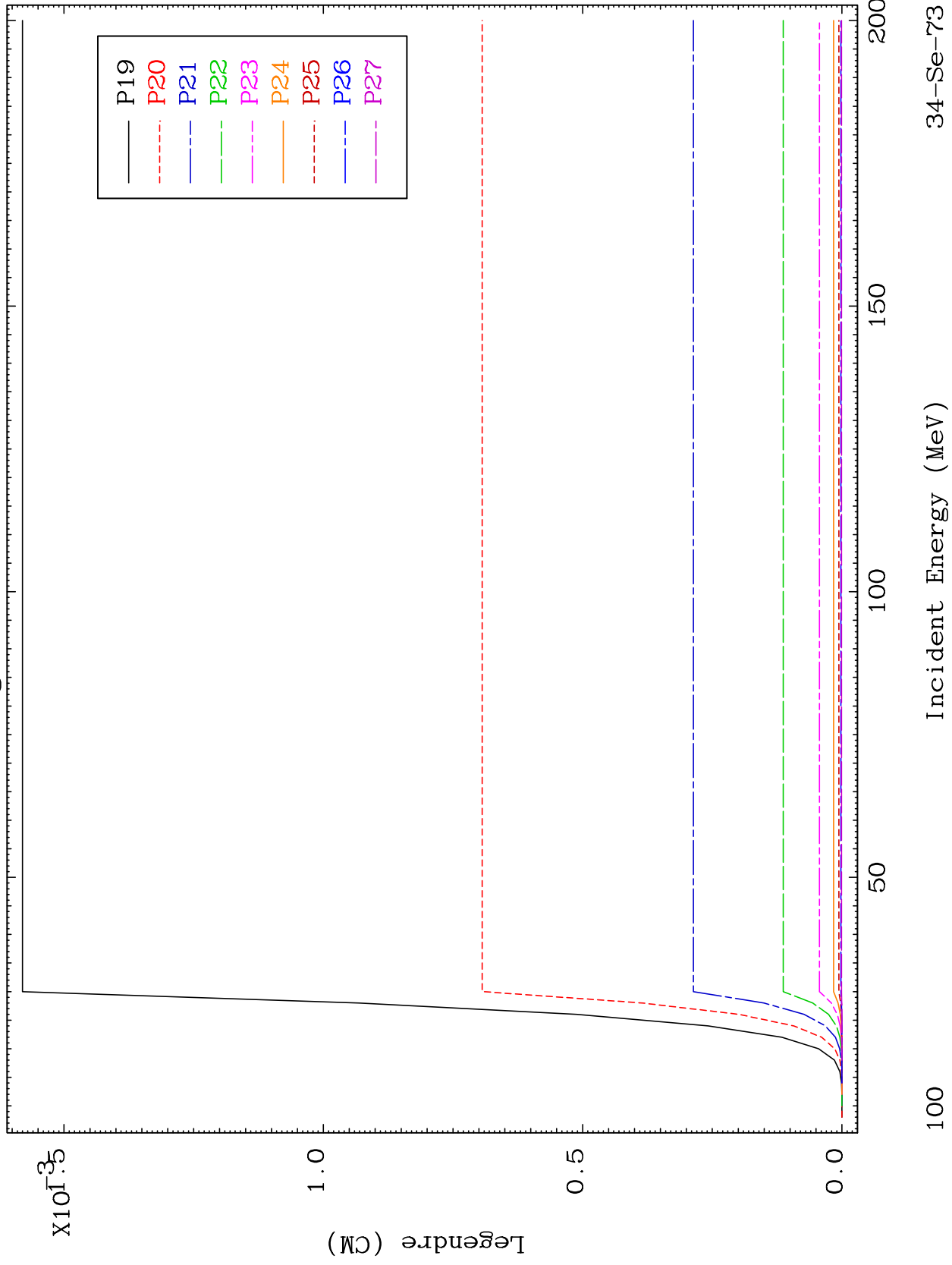
Incident Energy (MeV)

34-Se-73

MAT 3422

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

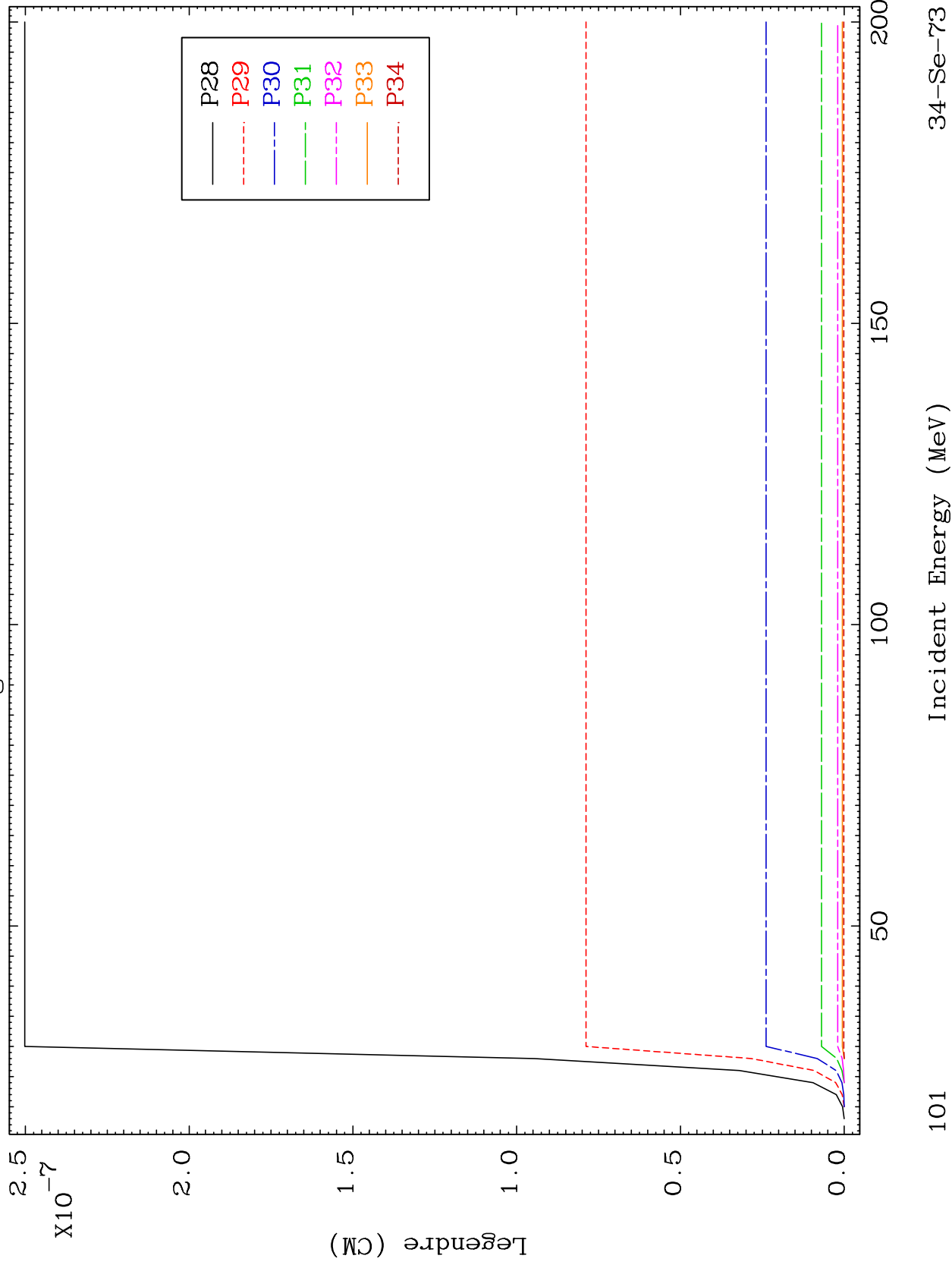
<sup>34</sup>Se-73



MAT 3422

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

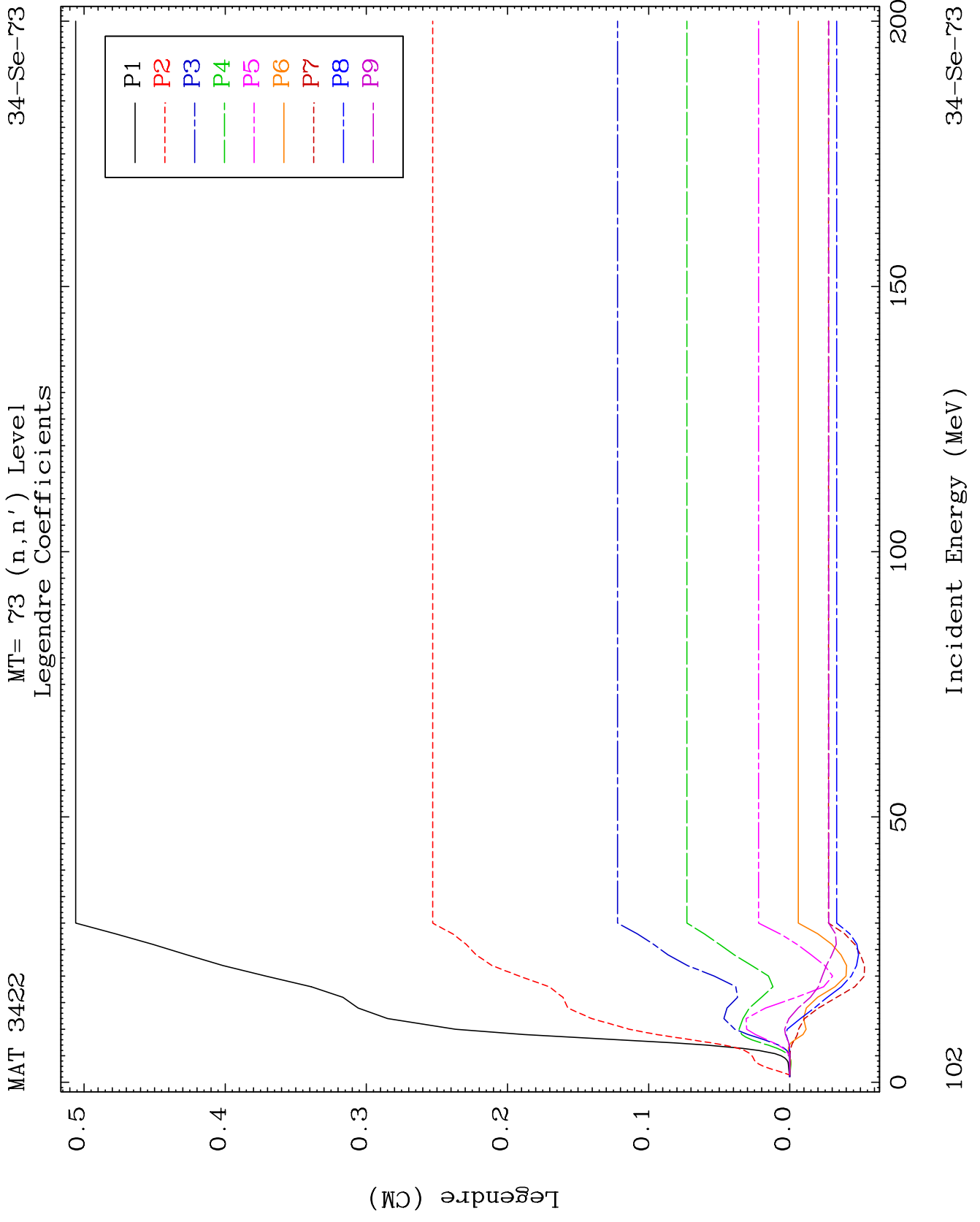
<sup>34</sup>Se-73



101

Incident Energy (MeV)

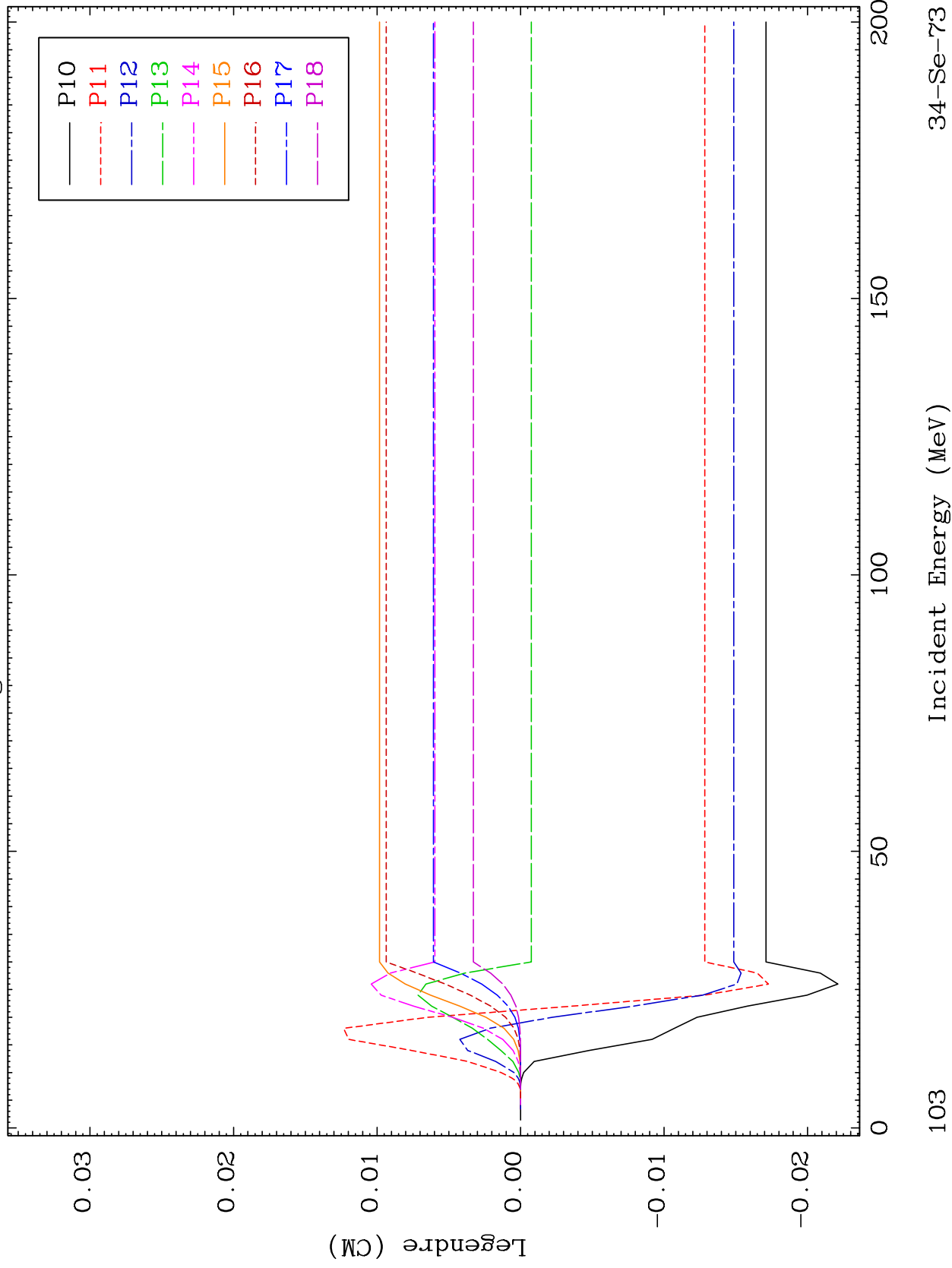
<sup>34</sup>Se-73



MAT 3422

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

<sup>34</sup>Se-73



103

Incident Energy (MeV)

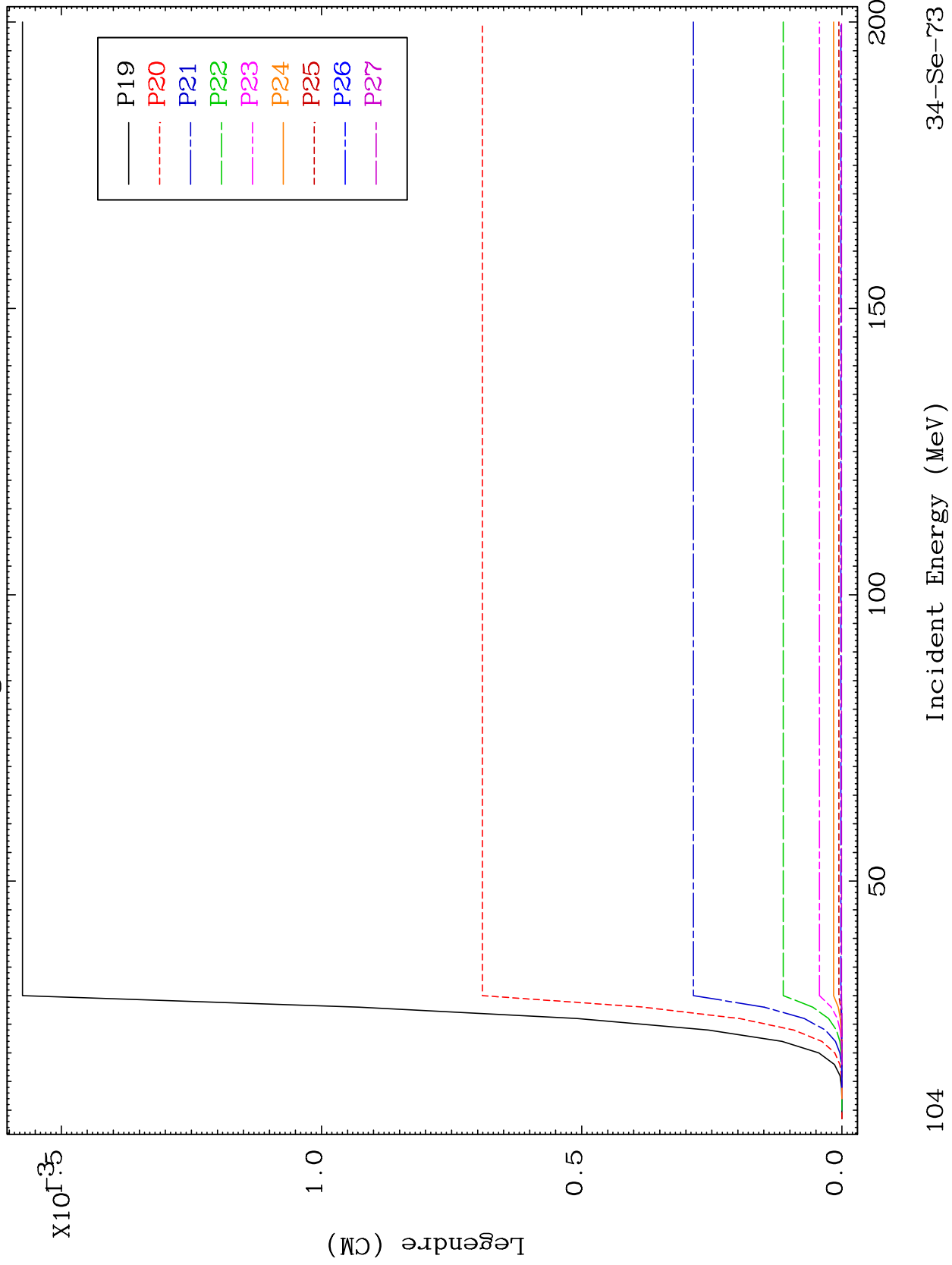
<sup>34</sup>Se-73



MAT 3422

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

34-Se-73



104

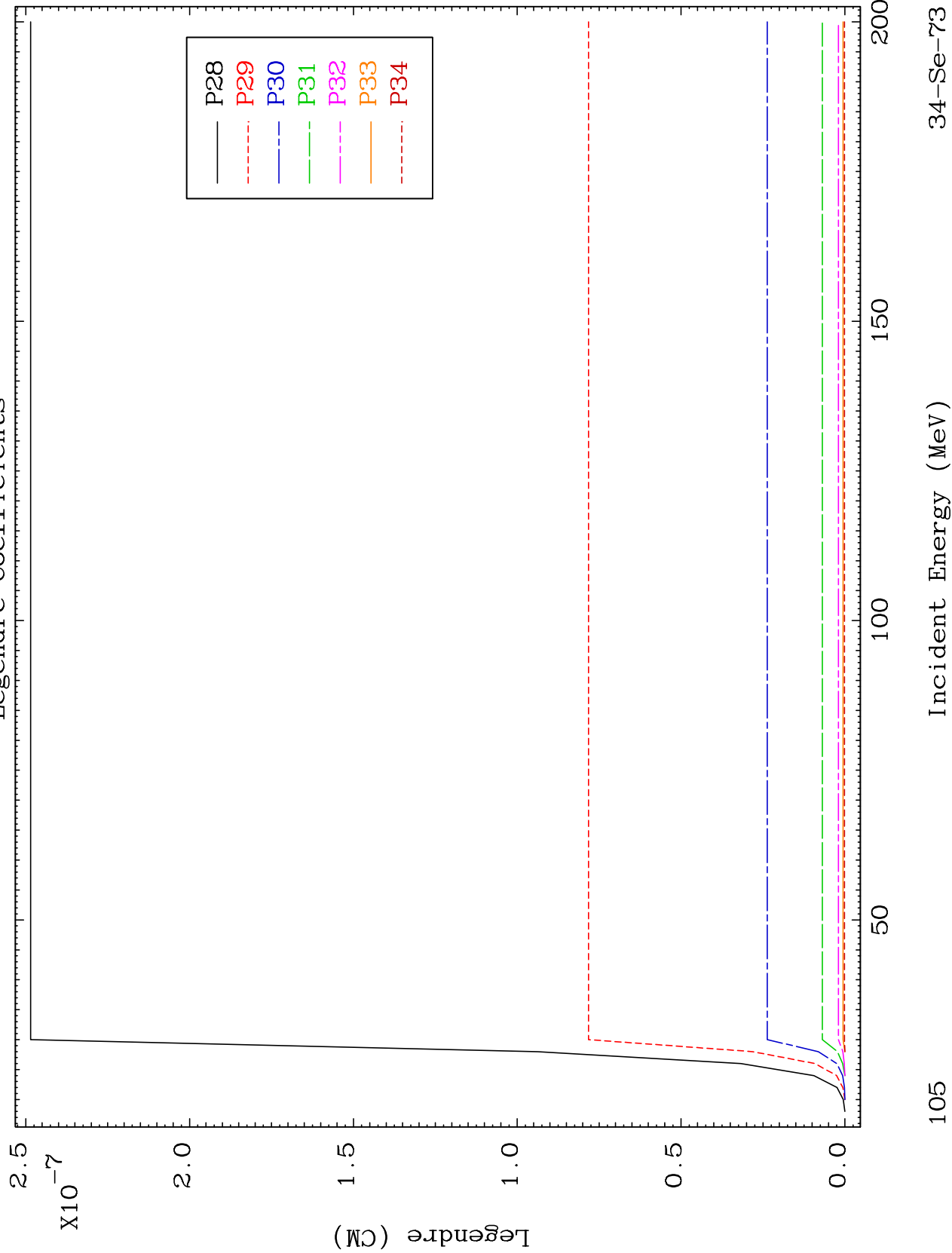
Incident Energy (MeV)

34-Se-73

MAT 3422

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

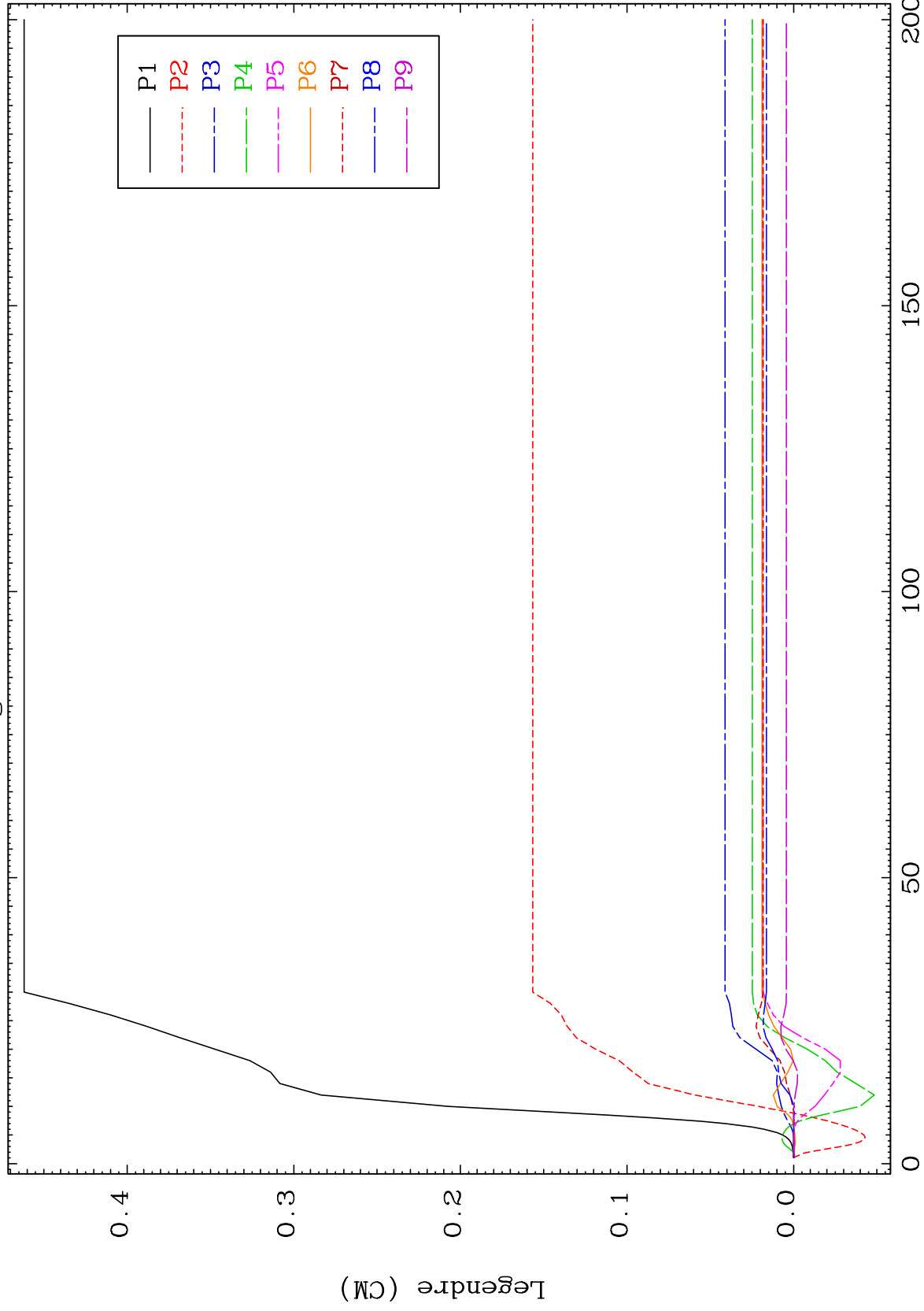
34-Se-73



MAT 3422

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

<sup>34</sup>Se-73



<sup>34</sup>Se-73

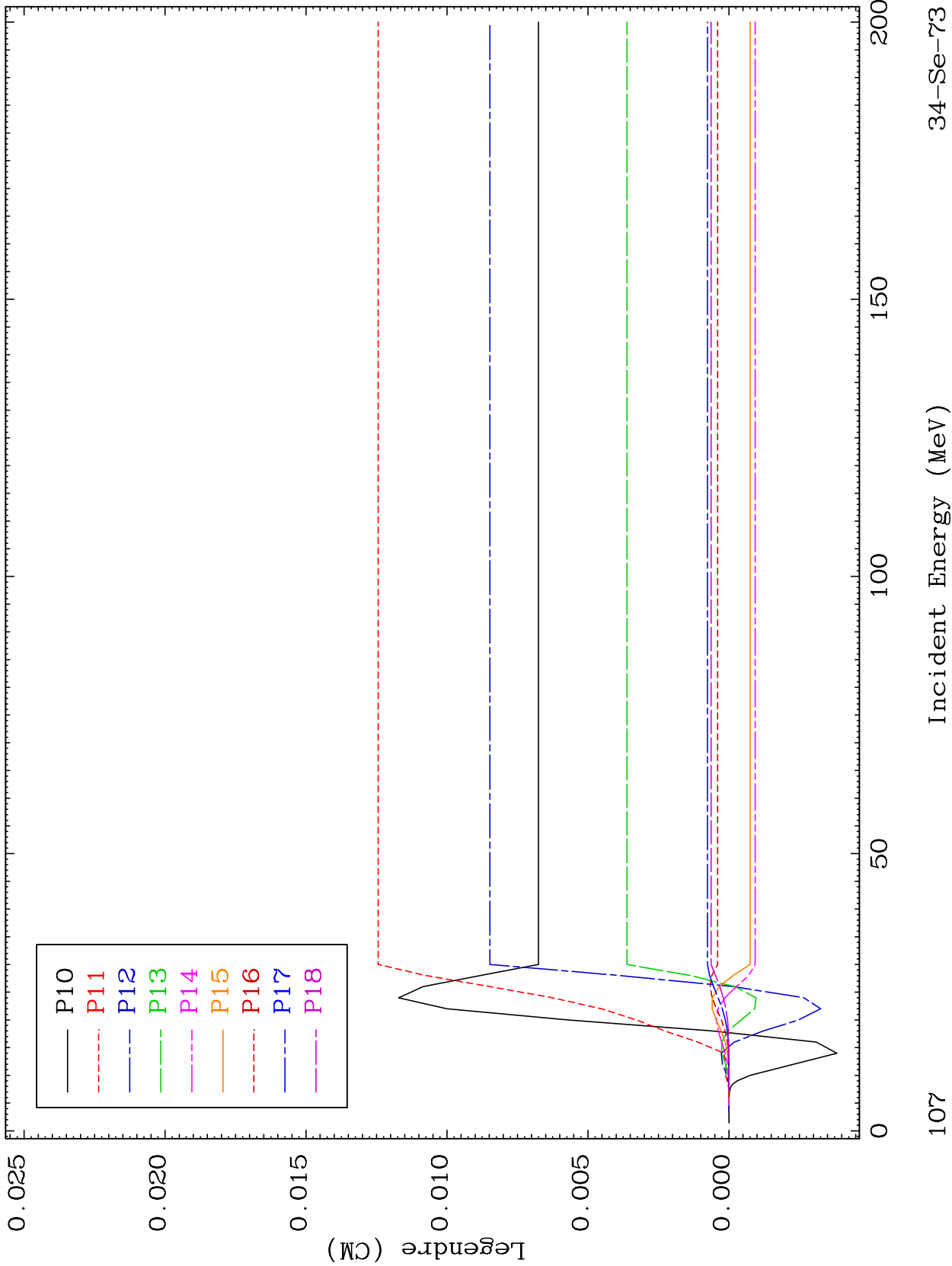
Incident Energy (MeV)

106

MAT 3422

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

34-Se-73



107

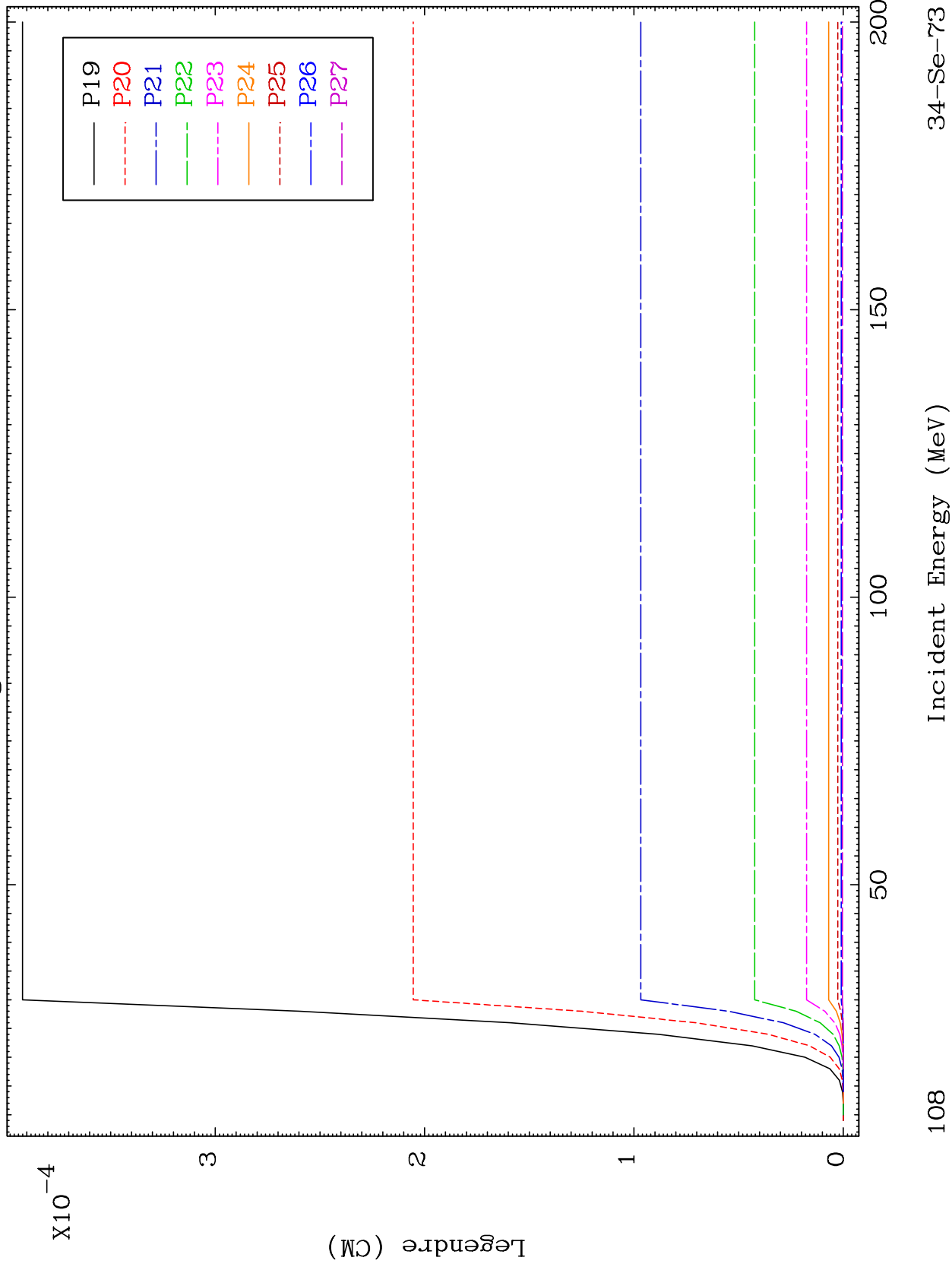
Incident Energy (MeV)

34-Se-73

MAT 3422

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

<sup>34</sup>Se-73



108

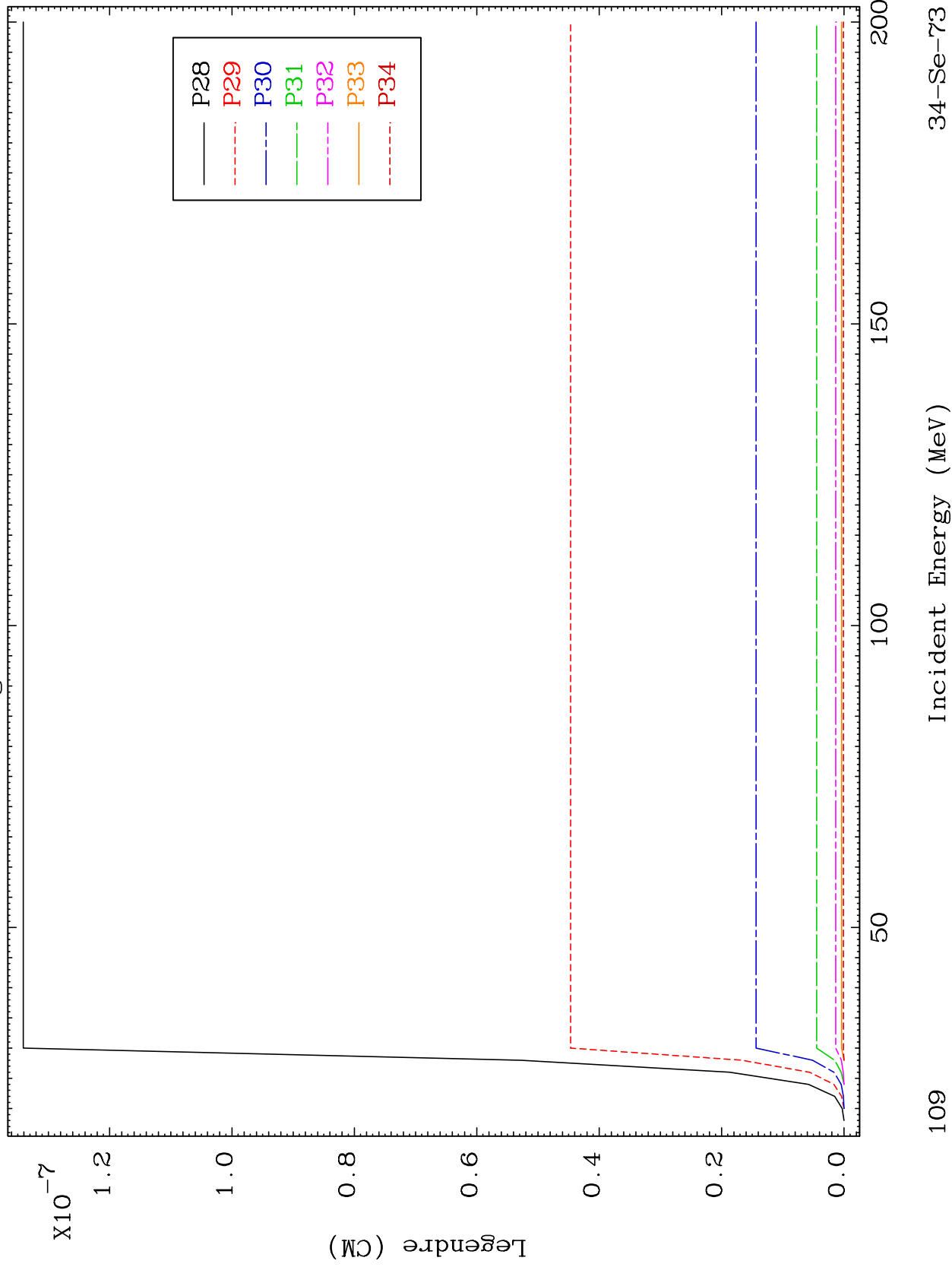
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

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

<sup>34</sup>Se-73



109

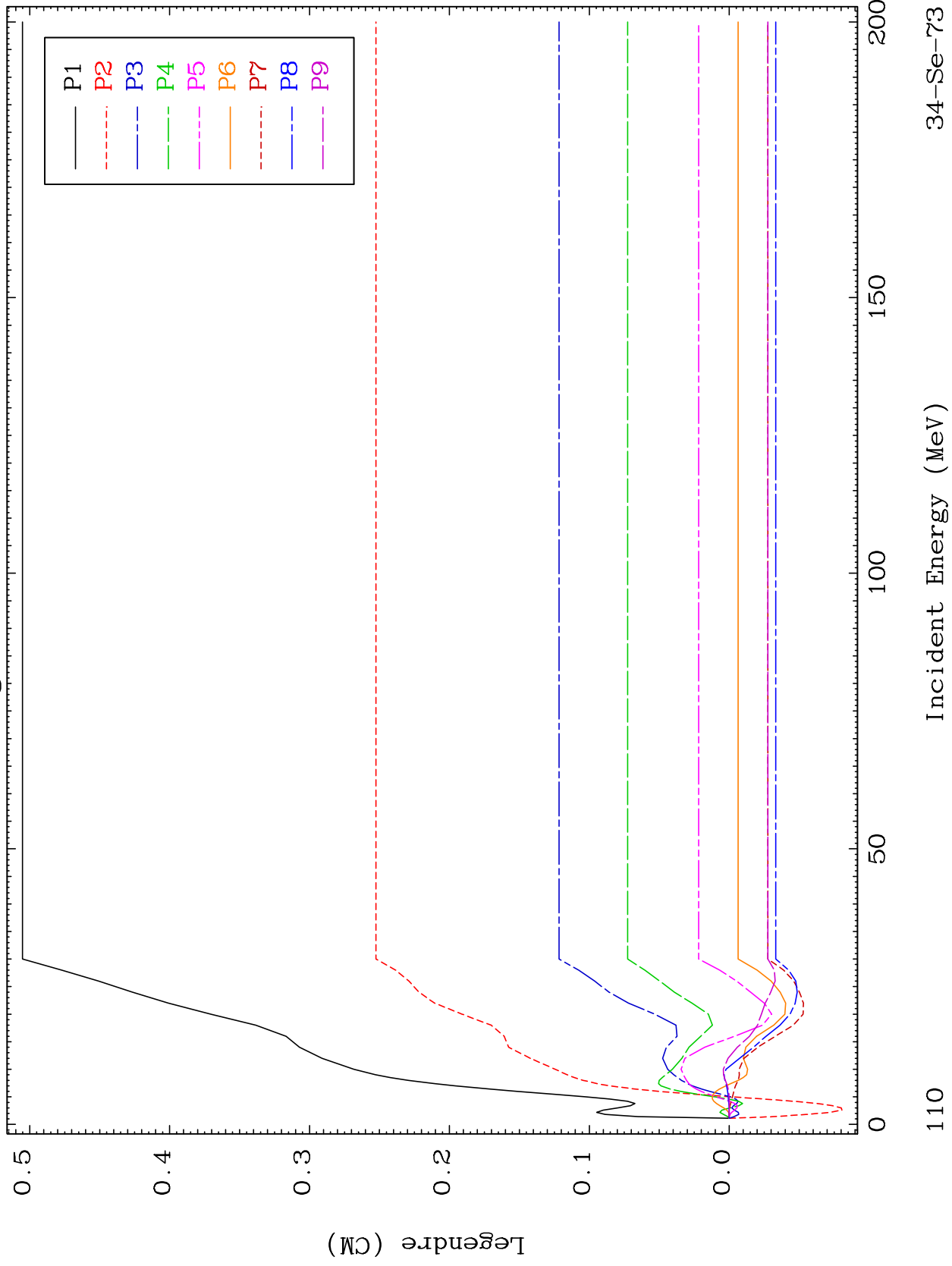
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

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

<sup>34</sup>Se-73



<sup>34</sup>Se-73

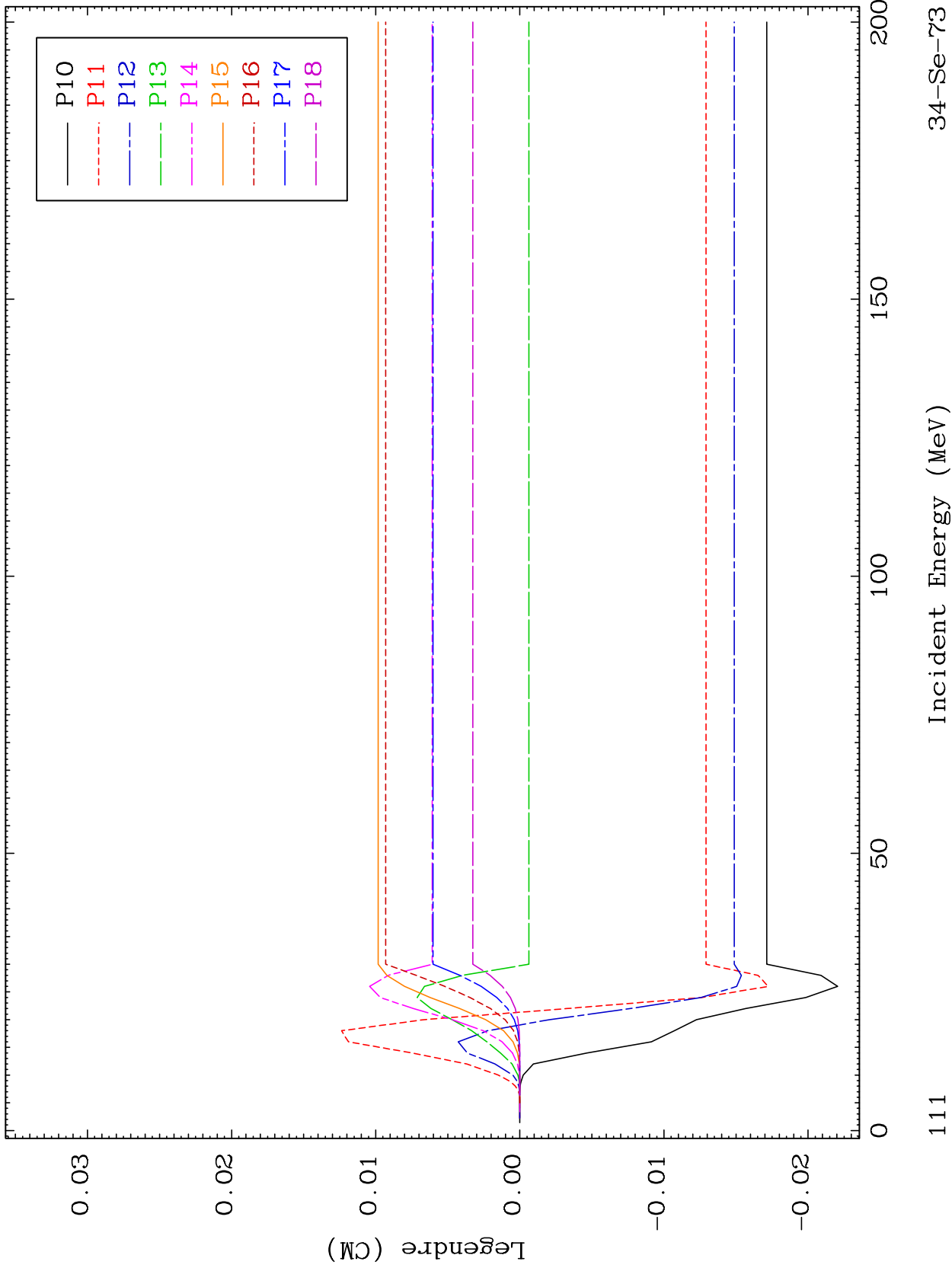
Incident Energy (MeV)

110

MAT 3422

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

34-Se-73



111

Incident Energy (MeV)

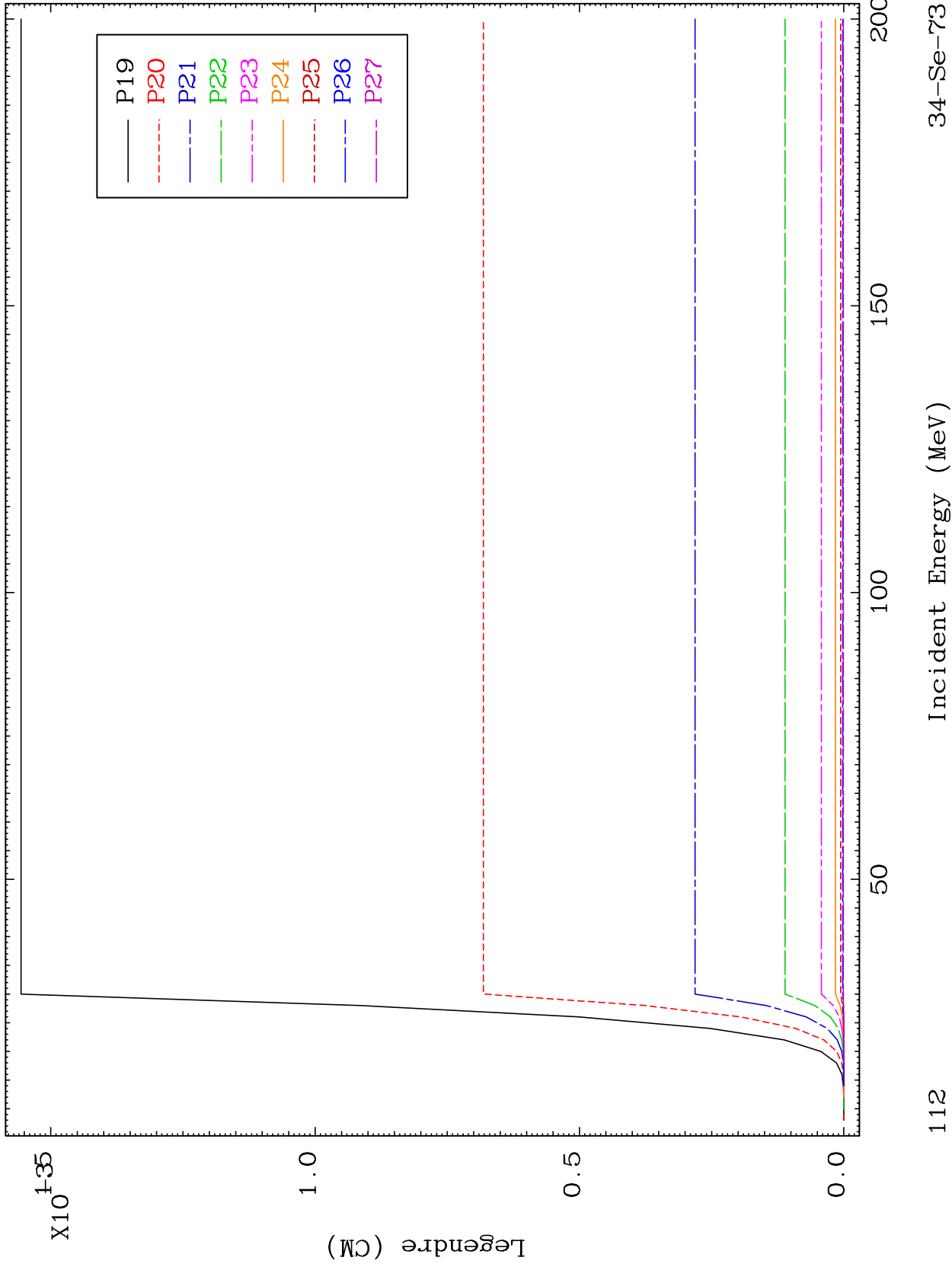
34-Se-73



MAT 3422

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

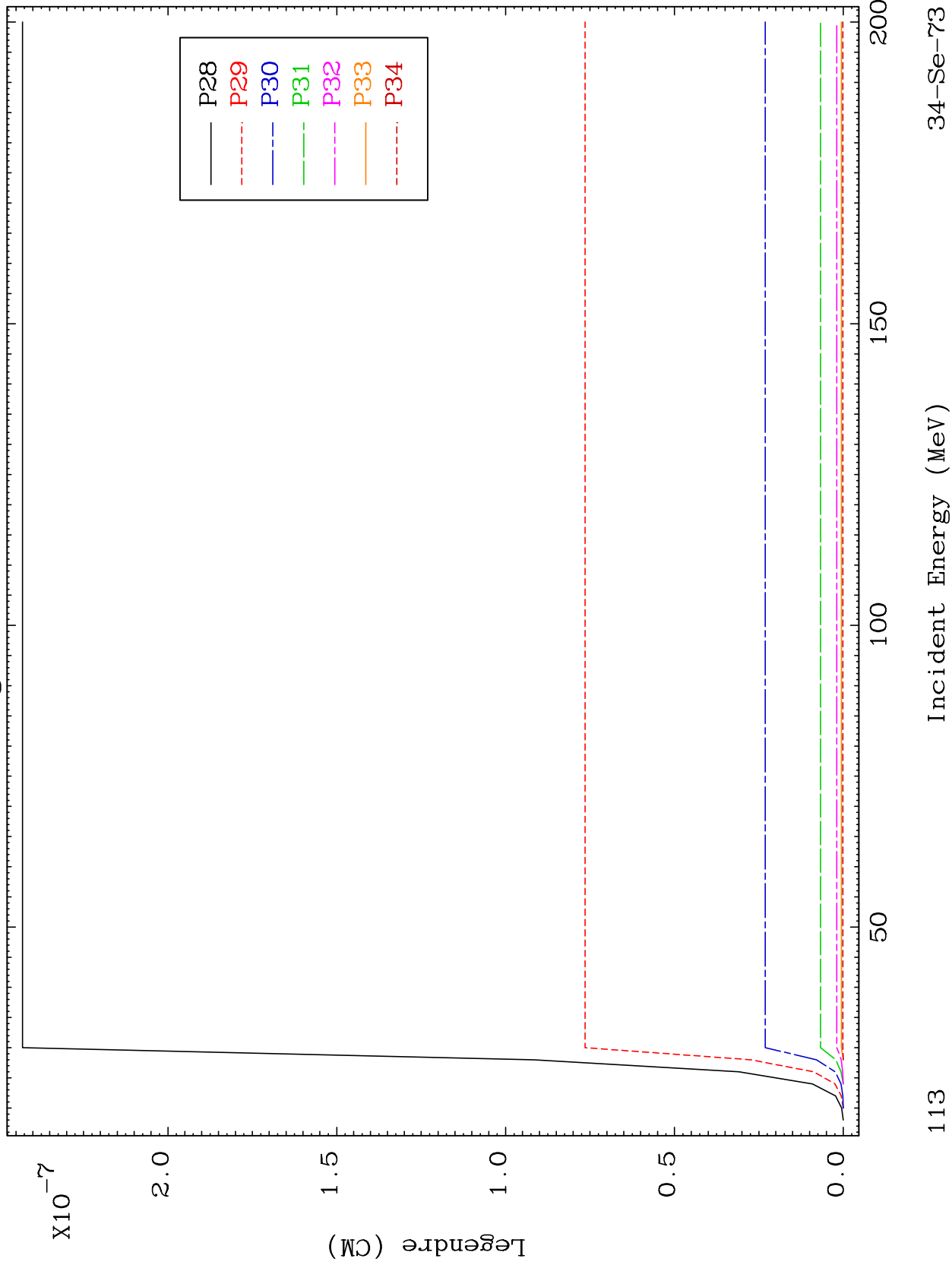
<sup>34</sup>Se-73



MAT 3422

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

<sup>34</sup>Se-73

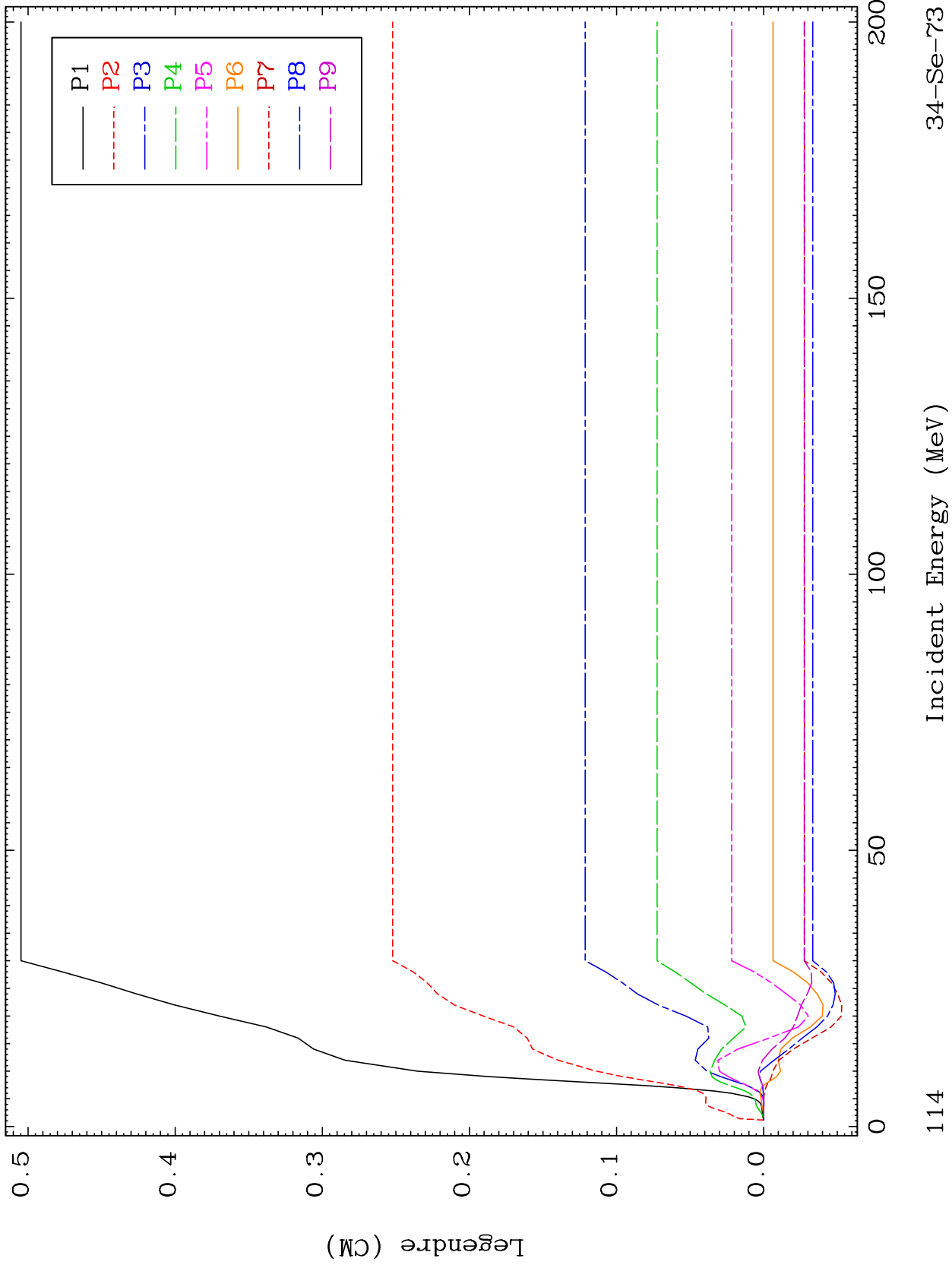


113

MAT 3422

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

<sup>34</sup>Se-73



<sup>34</sup>Se-73

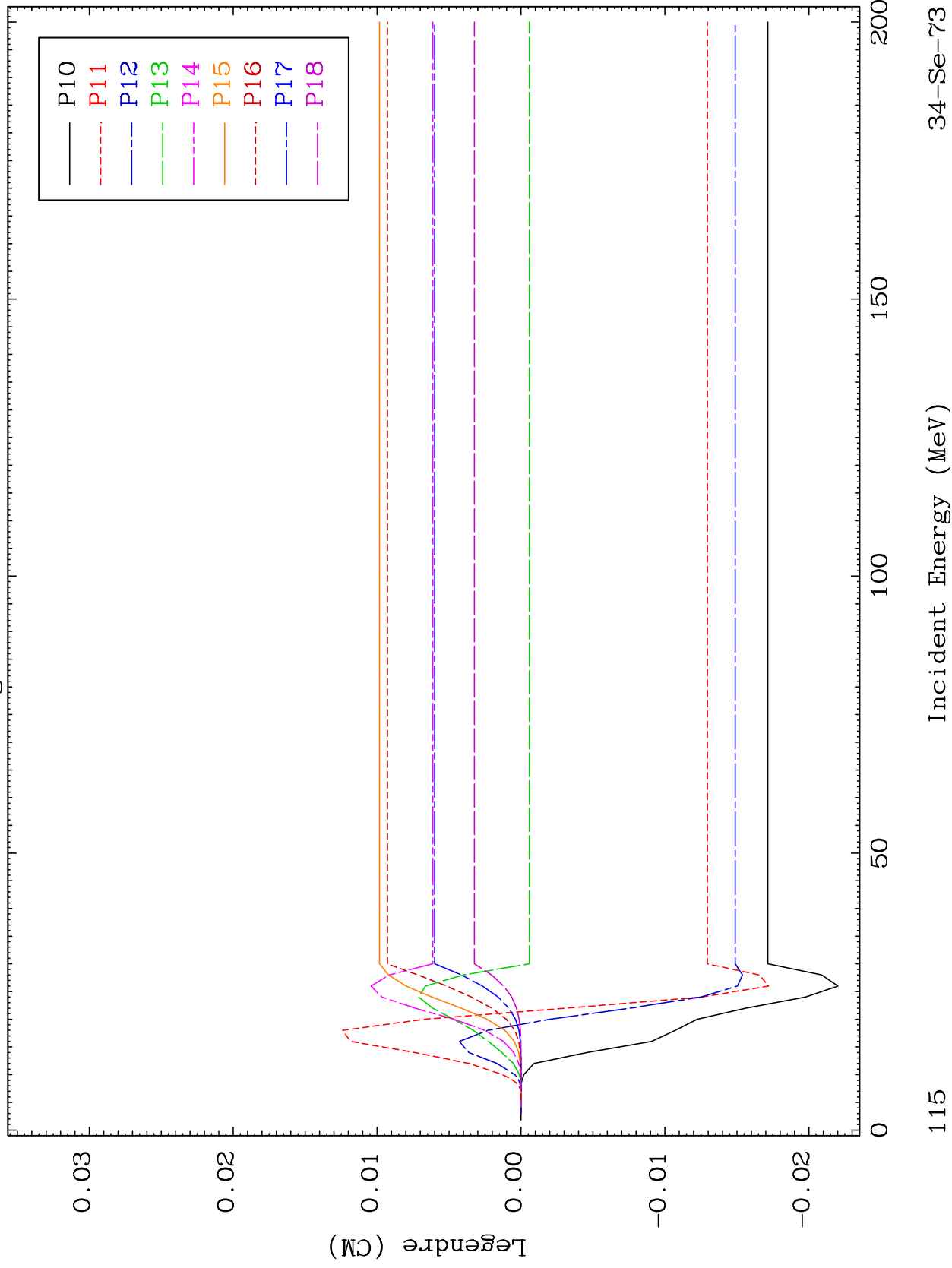
Incident Energy (MeV)

114

MAT 3422

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

<sup>34</sup>Se-73



<sup>34</sup>Se-73

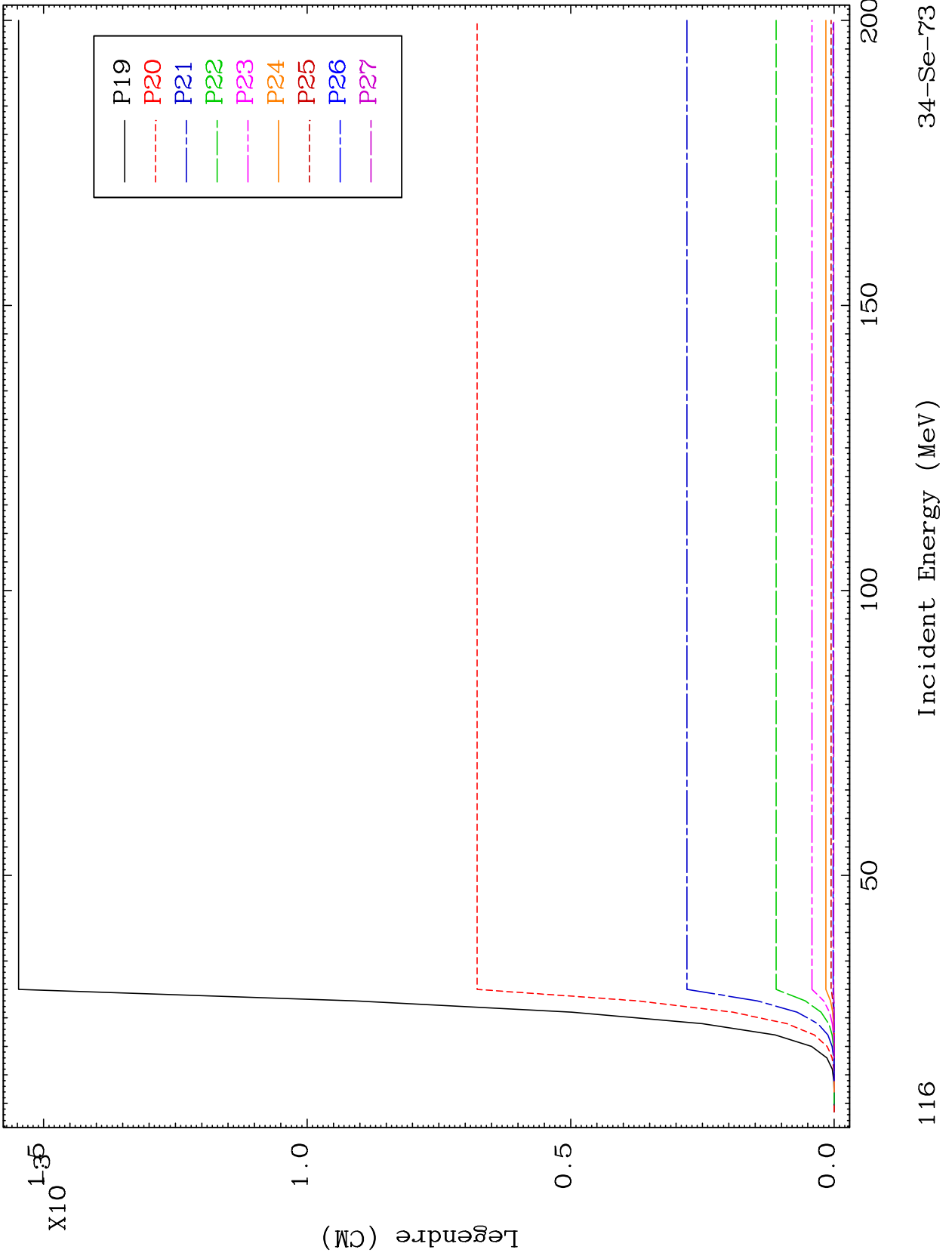
Incident Energy (MeV)

115

MAT 3422

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

34-Se-73



116

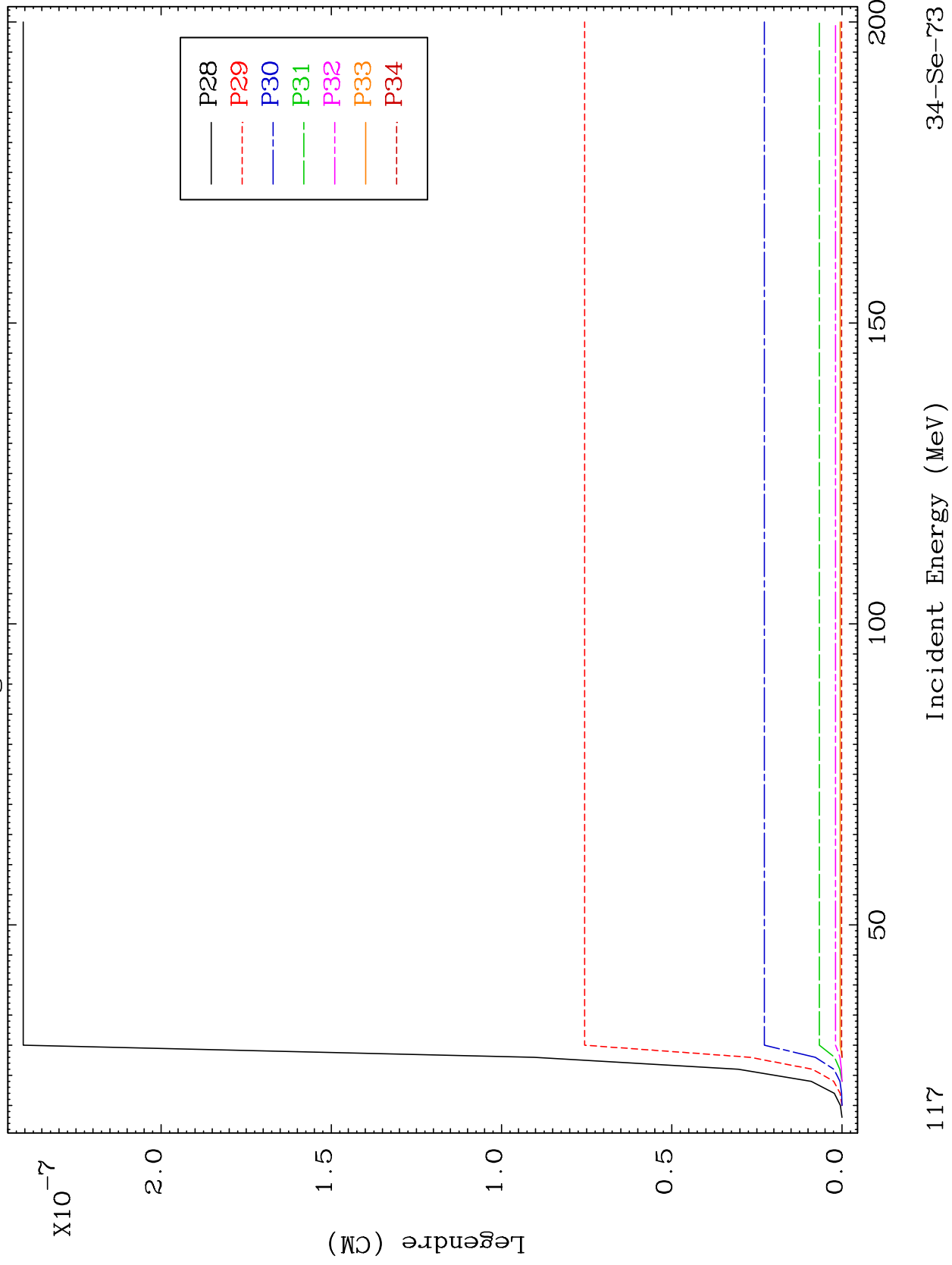
Incident Energy (MeV)

34-Se-73

MAT 3422

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

<sup>34</sup>Se-73



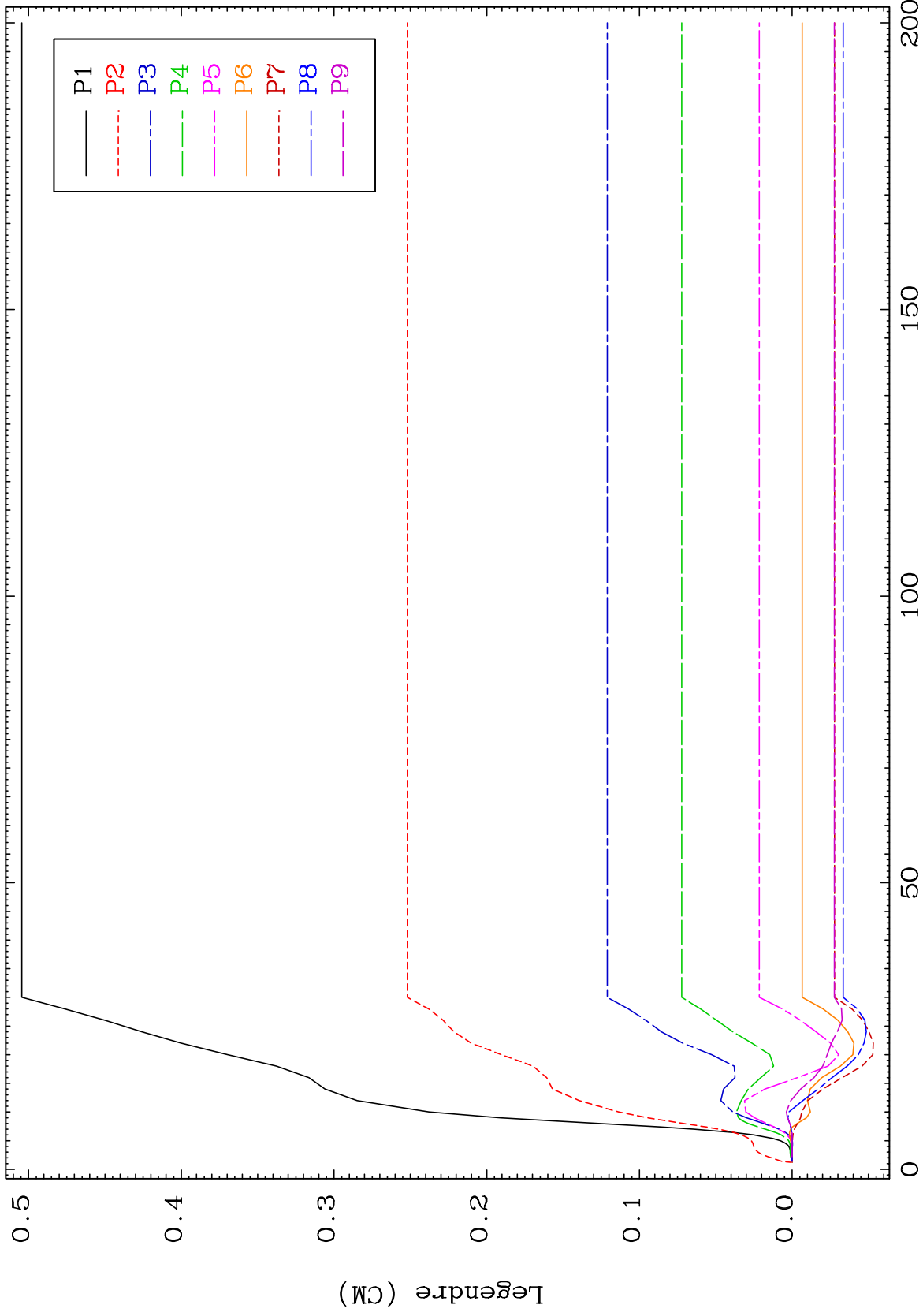
117

<sup>34</sup>Se-73

MAT 3422

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

<sup>34</sup>Se-73



118

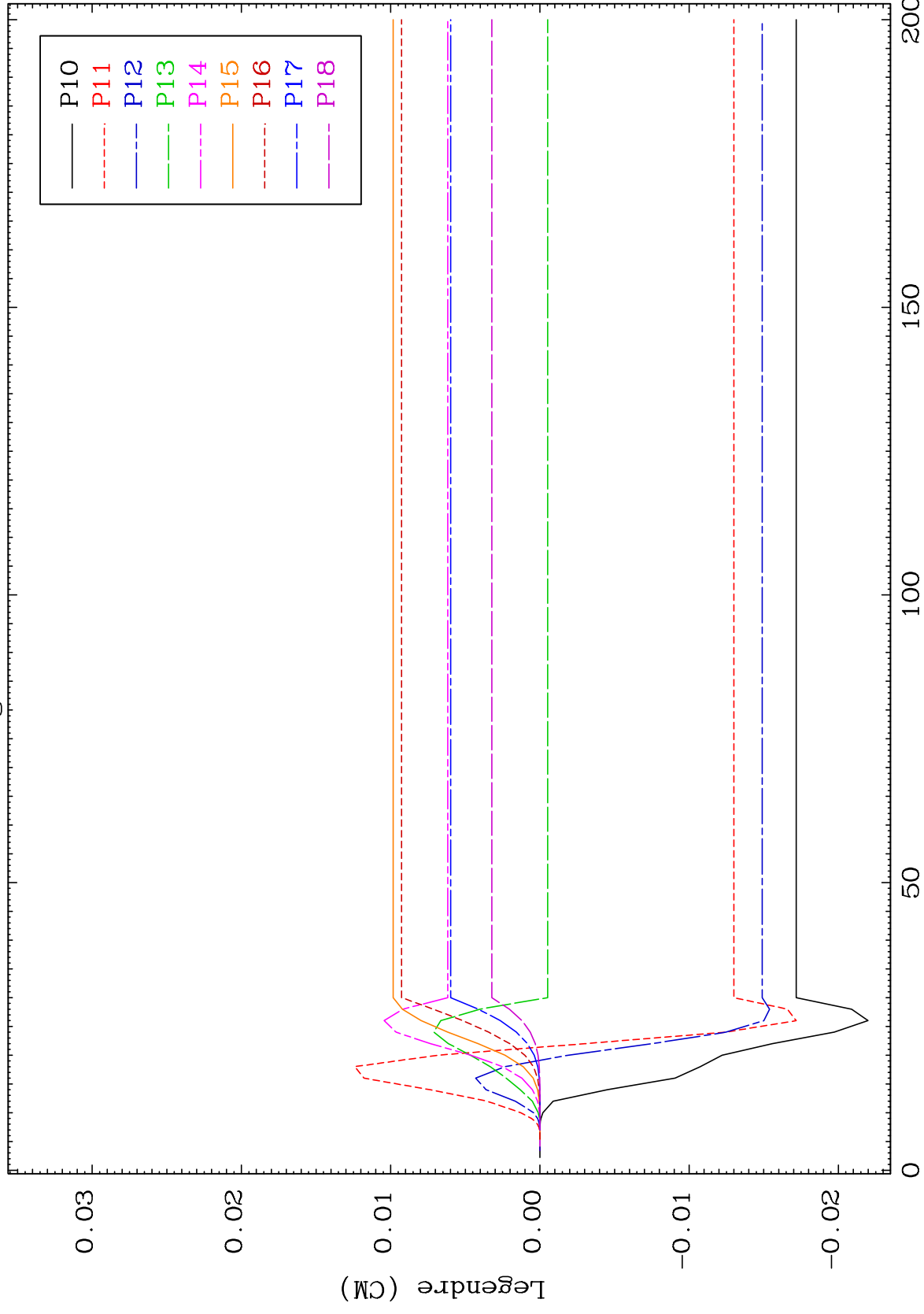
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

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

<sup>34</sup>Se-73



119

Incident Energy (MeV)

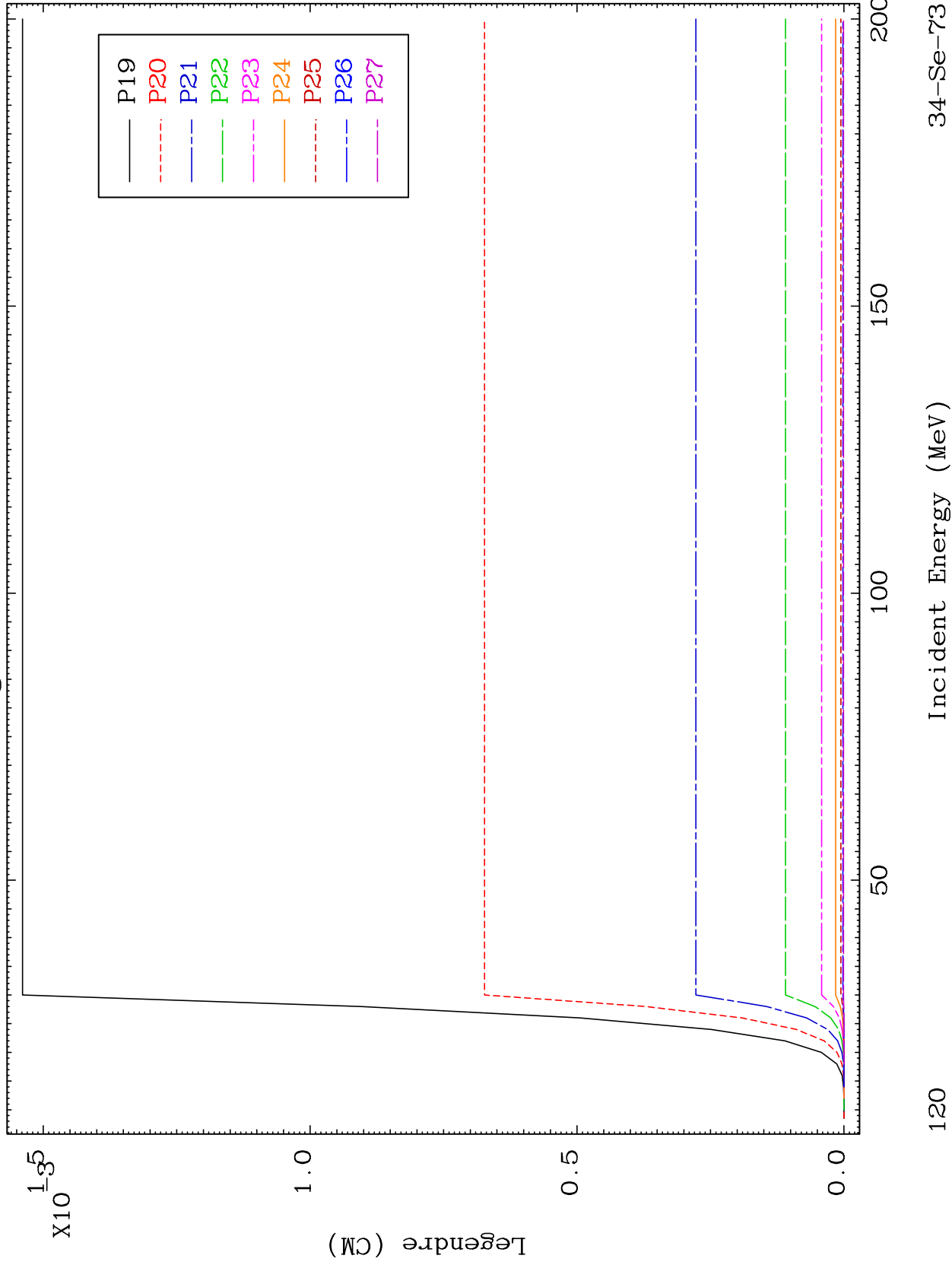
<sup>34</sup>Se-73



MAT 3422

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

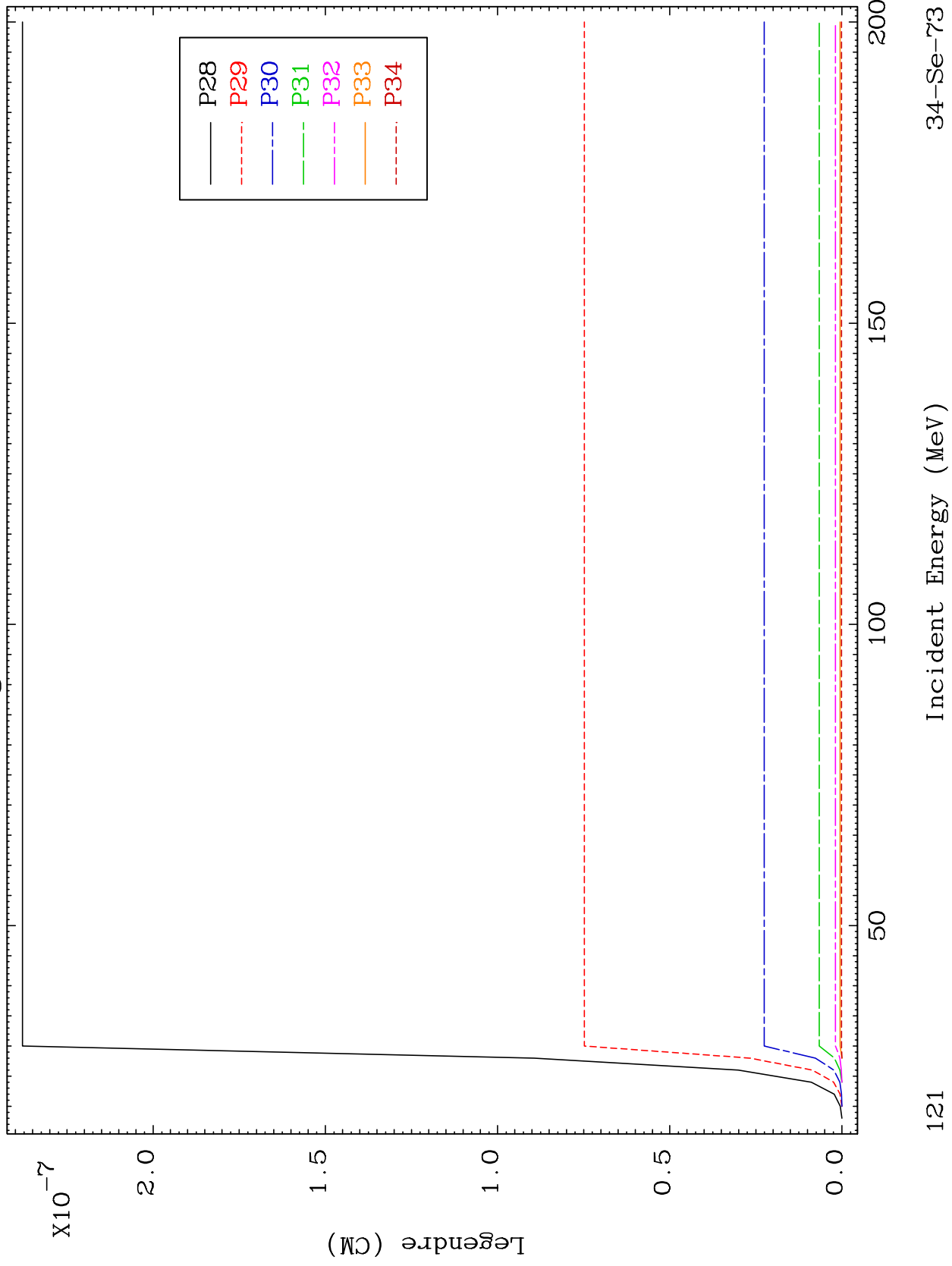
<sup>34</sup>Se-73



MAT 3422

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

34-Se-73



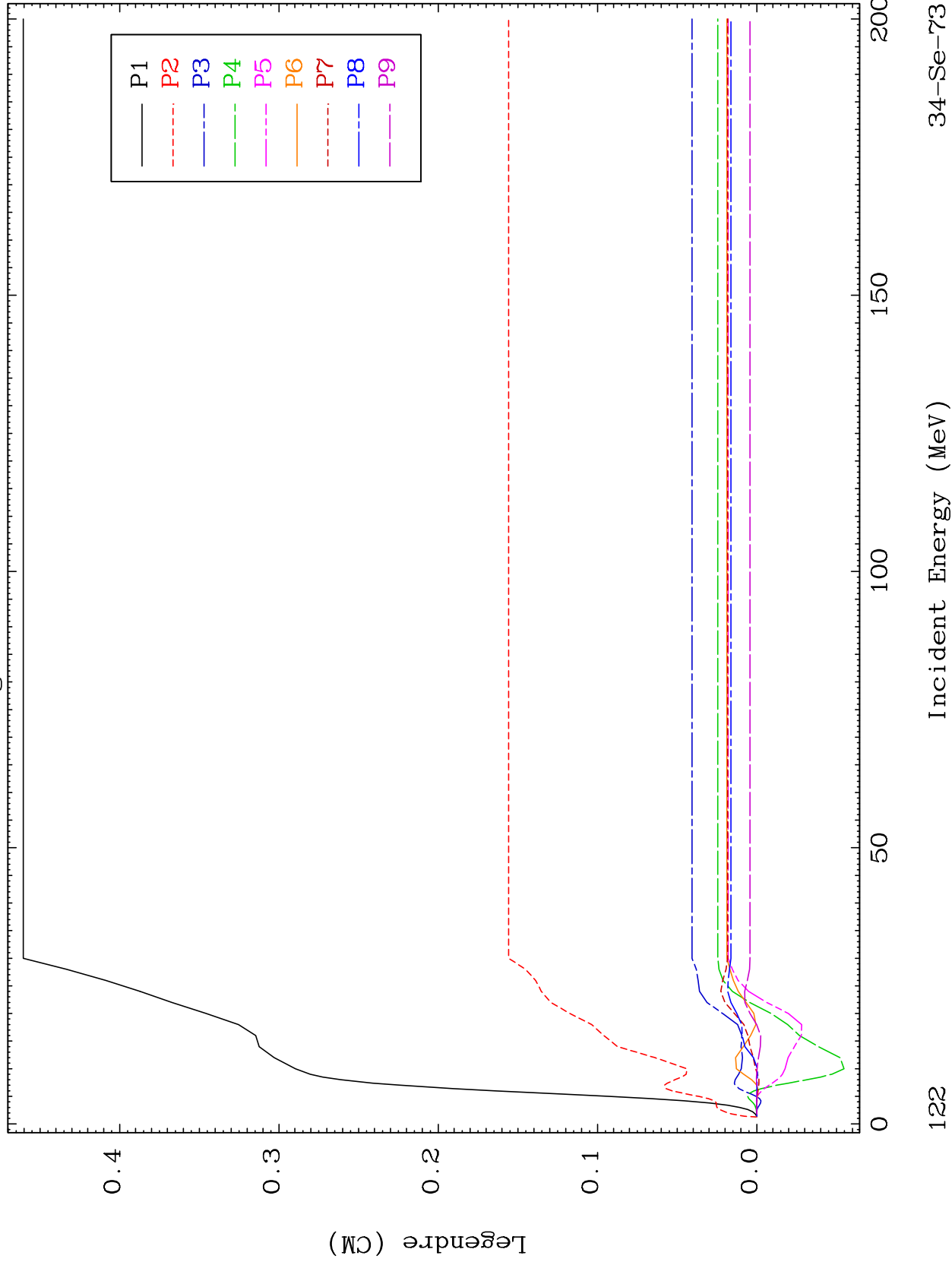
121

34-Se-73

MAT 3422

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

<sup>34</sup>Se-73



<sup>34</sup>Se-73

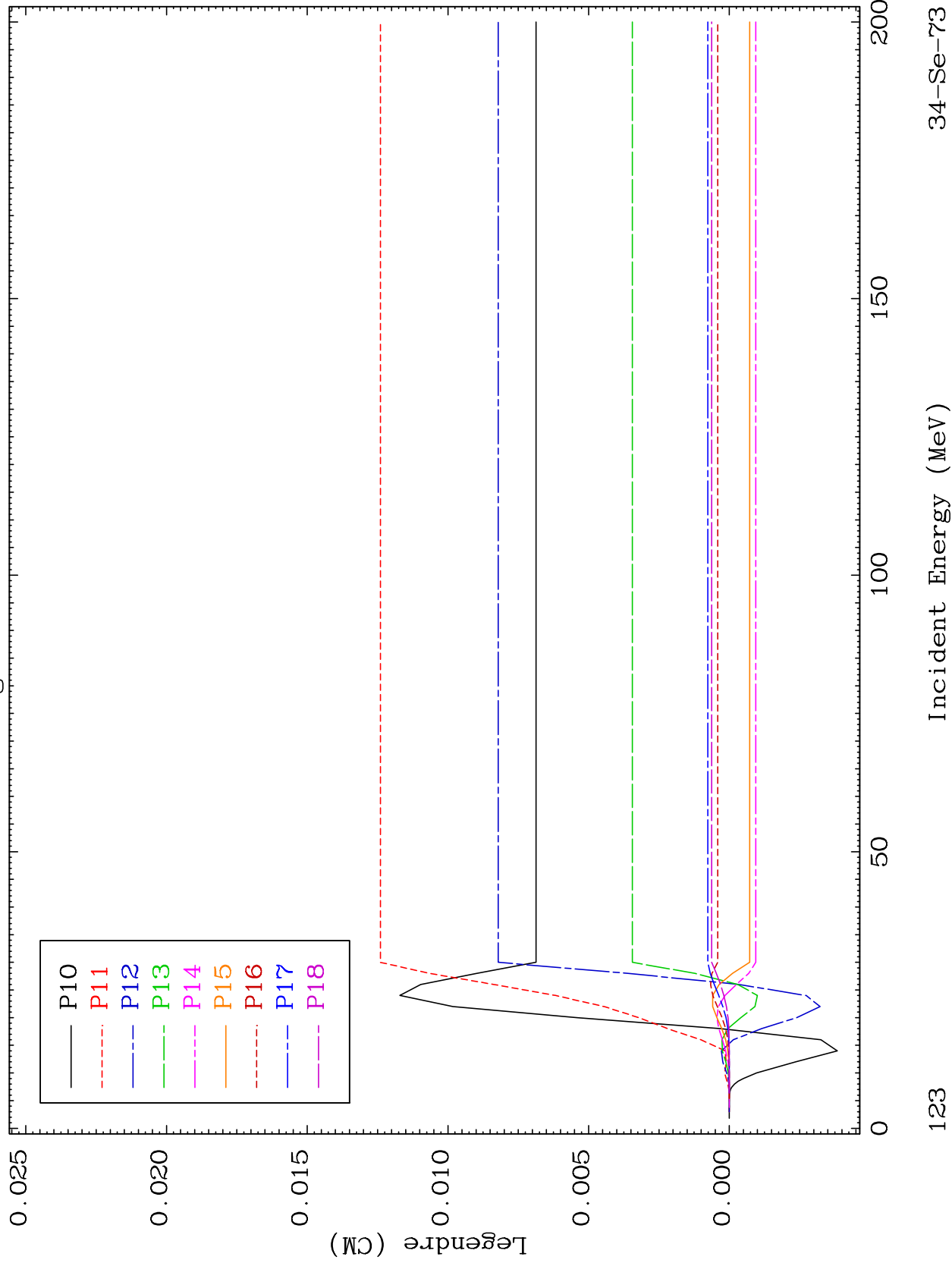
Incident Energy (MeV)

122

MAT 3422

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

34-Se-73



123

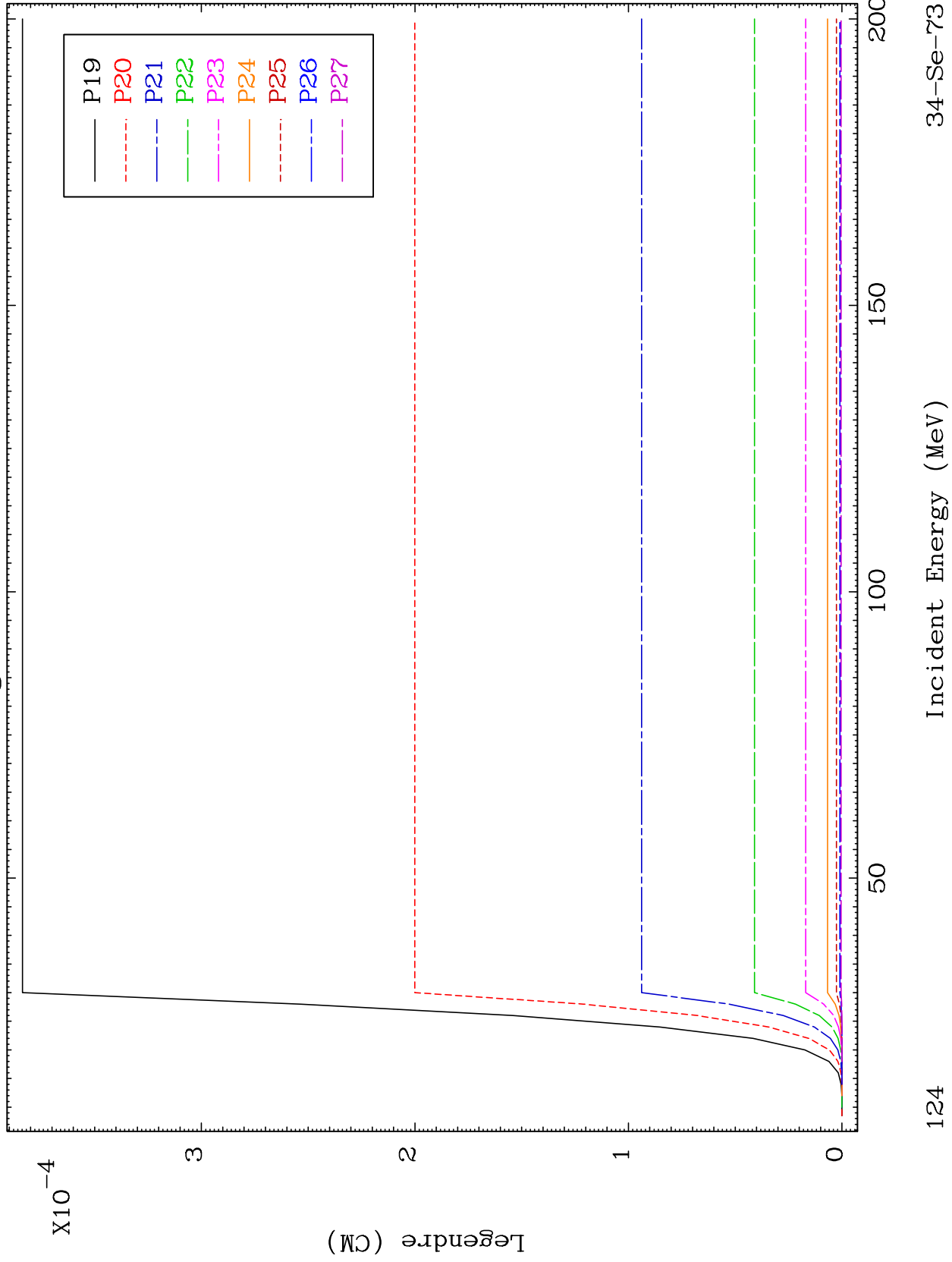
Incident Energy (MeV)

34-Se-73

MAT 3422

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

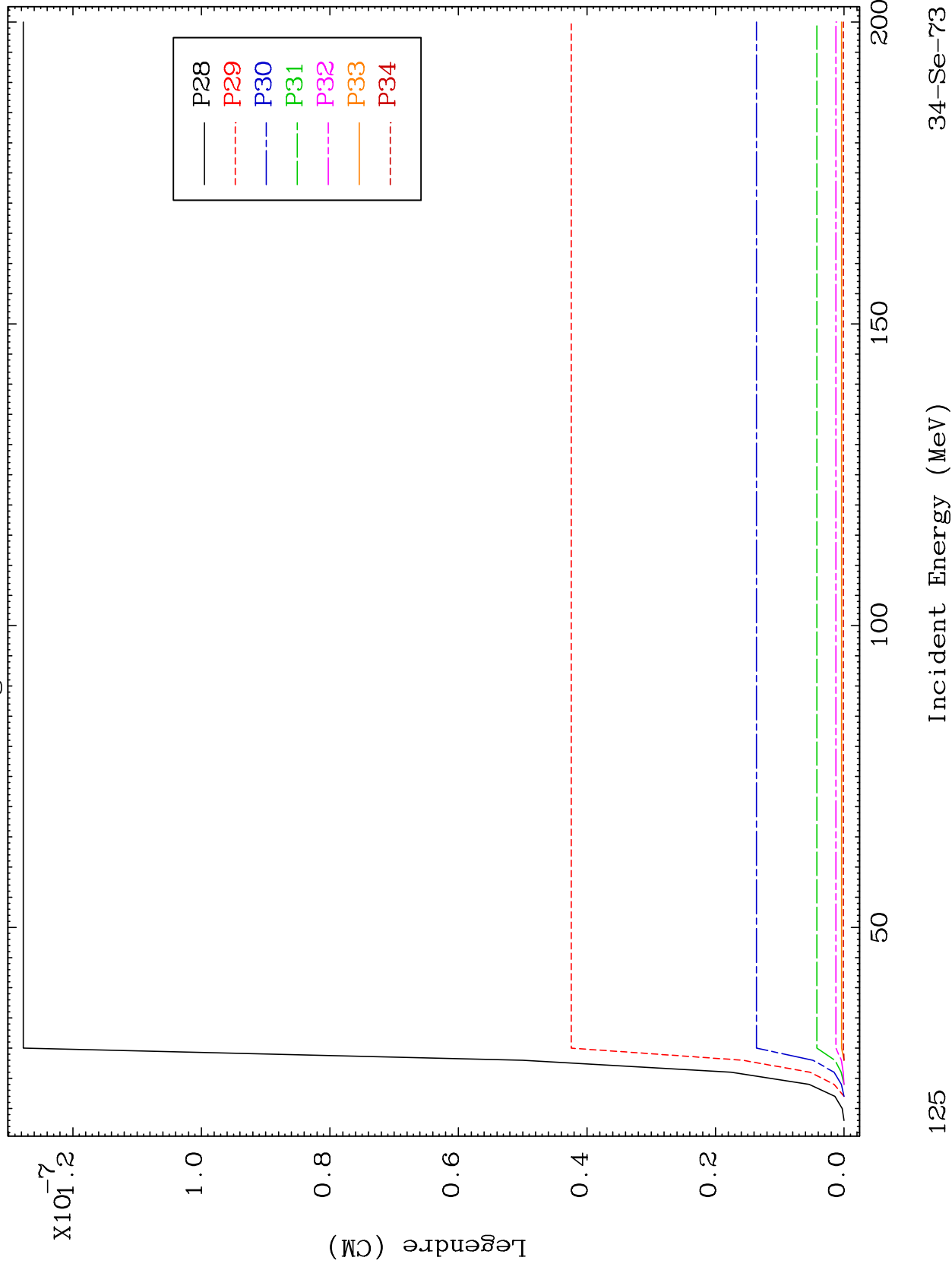
<sup>34</sup>Se-73



MAT 3422

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

<sup>34</sup>Se-73



125

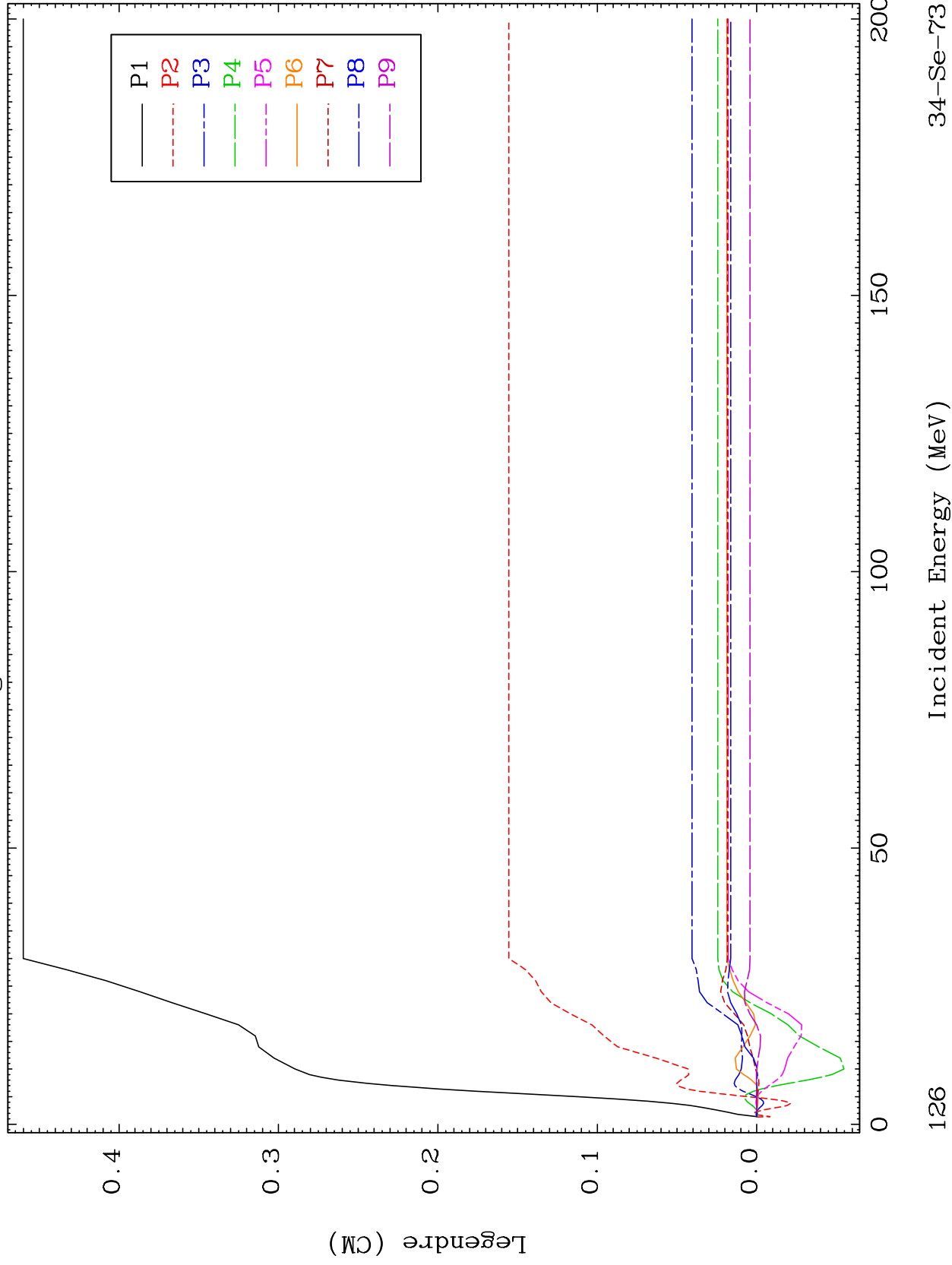
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

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

<sup>34</sup>Se-73



<sup>34</sup>Se-73

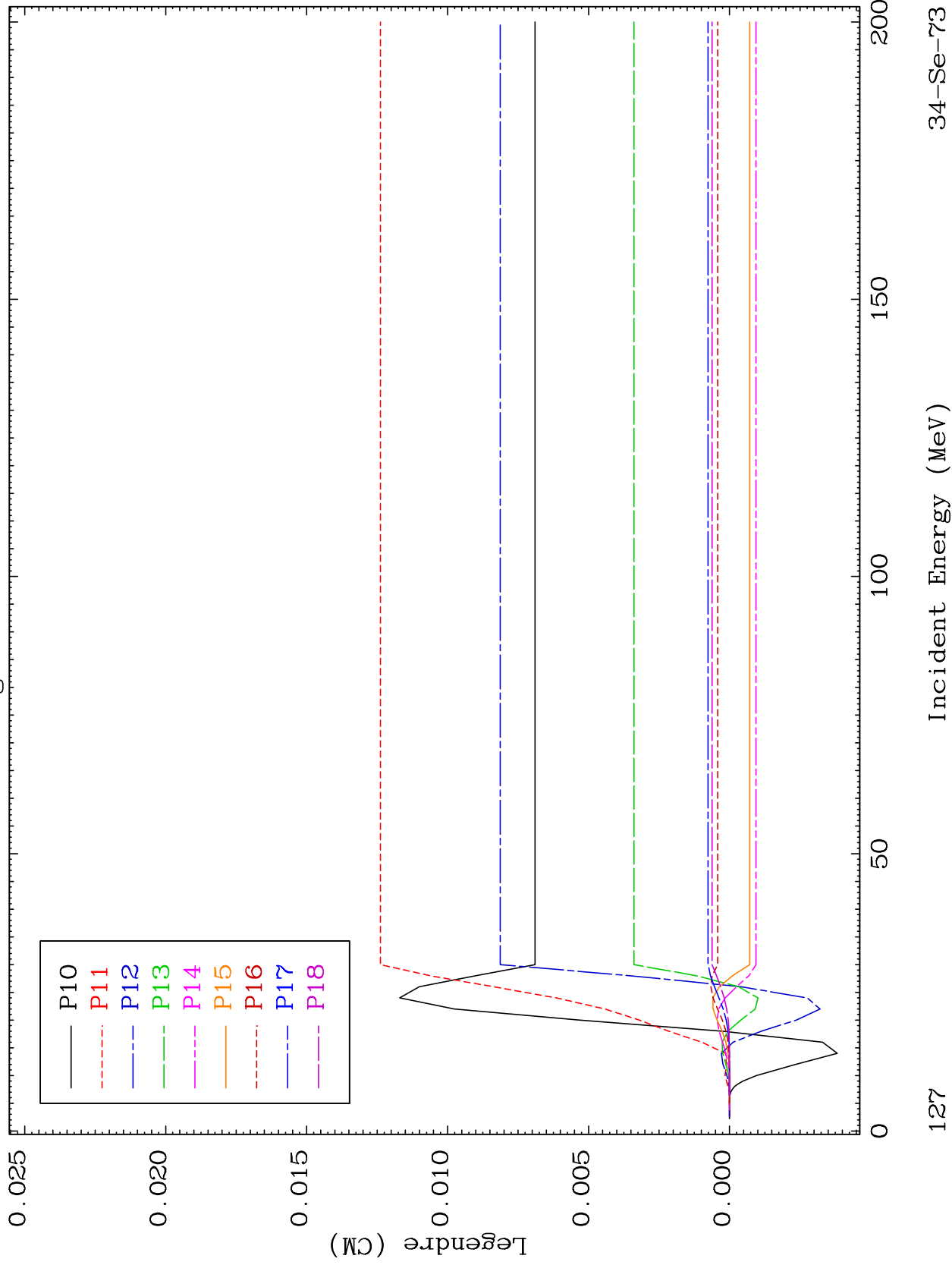
Incident Energy (MeV)

126

MAT 3422

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

34-Se-73



127

Incident Energy (MeV)

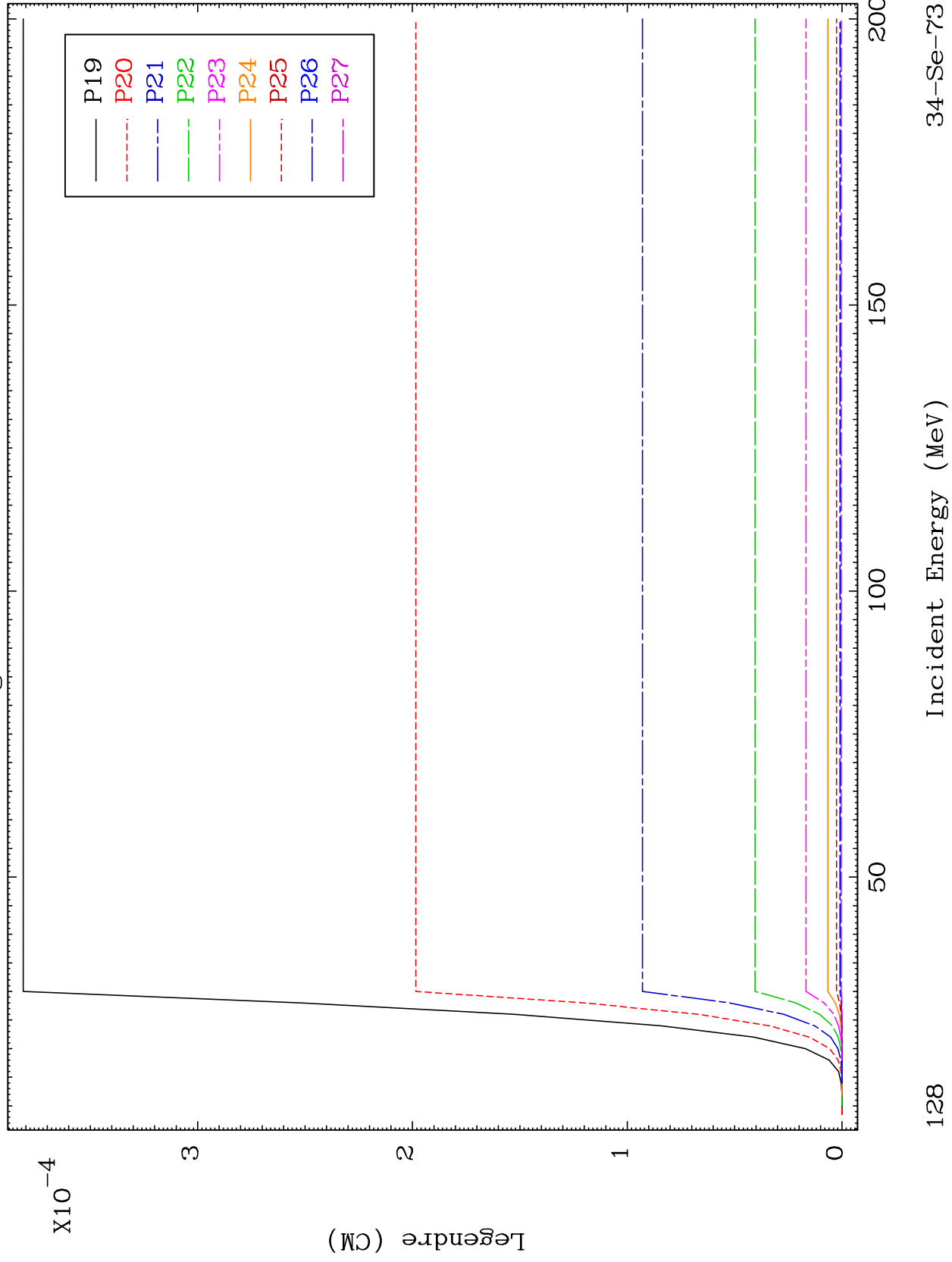
34-Se-73



MAT 3422

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

<sup>34</sup>Se-73

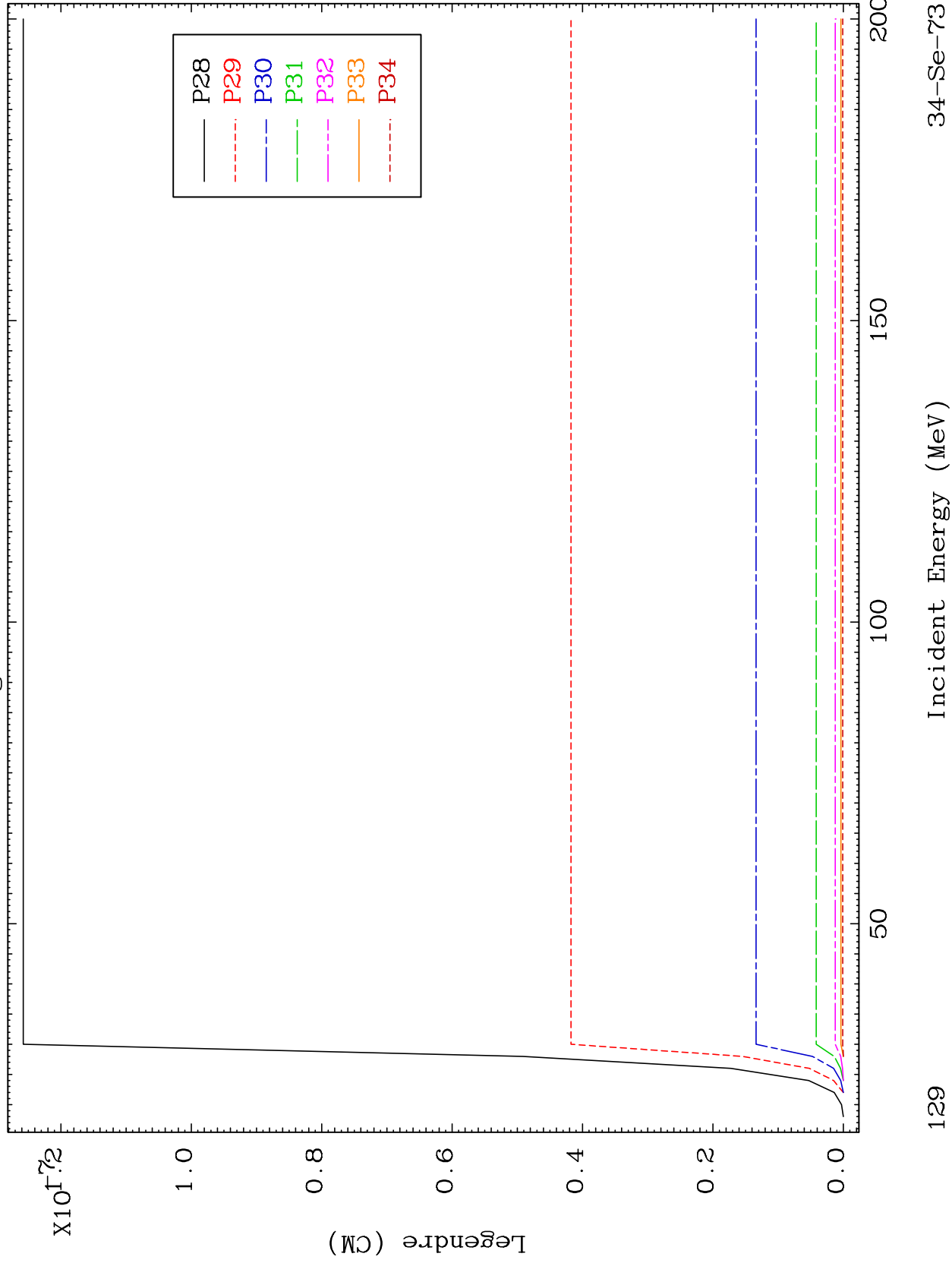


128

MAT 3422

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

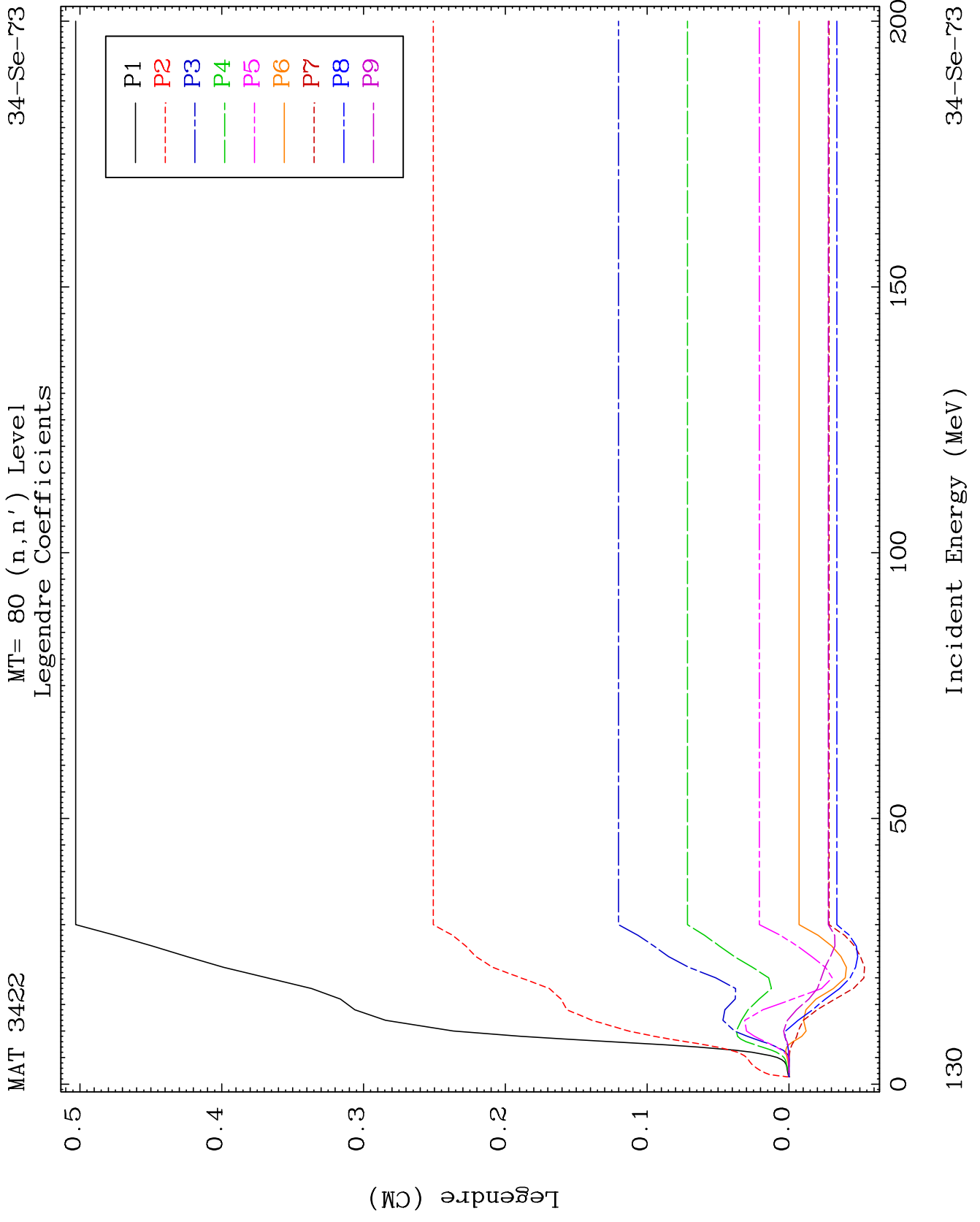
<sup>34</sup>Se-73



129

Incident Energy (MeV)

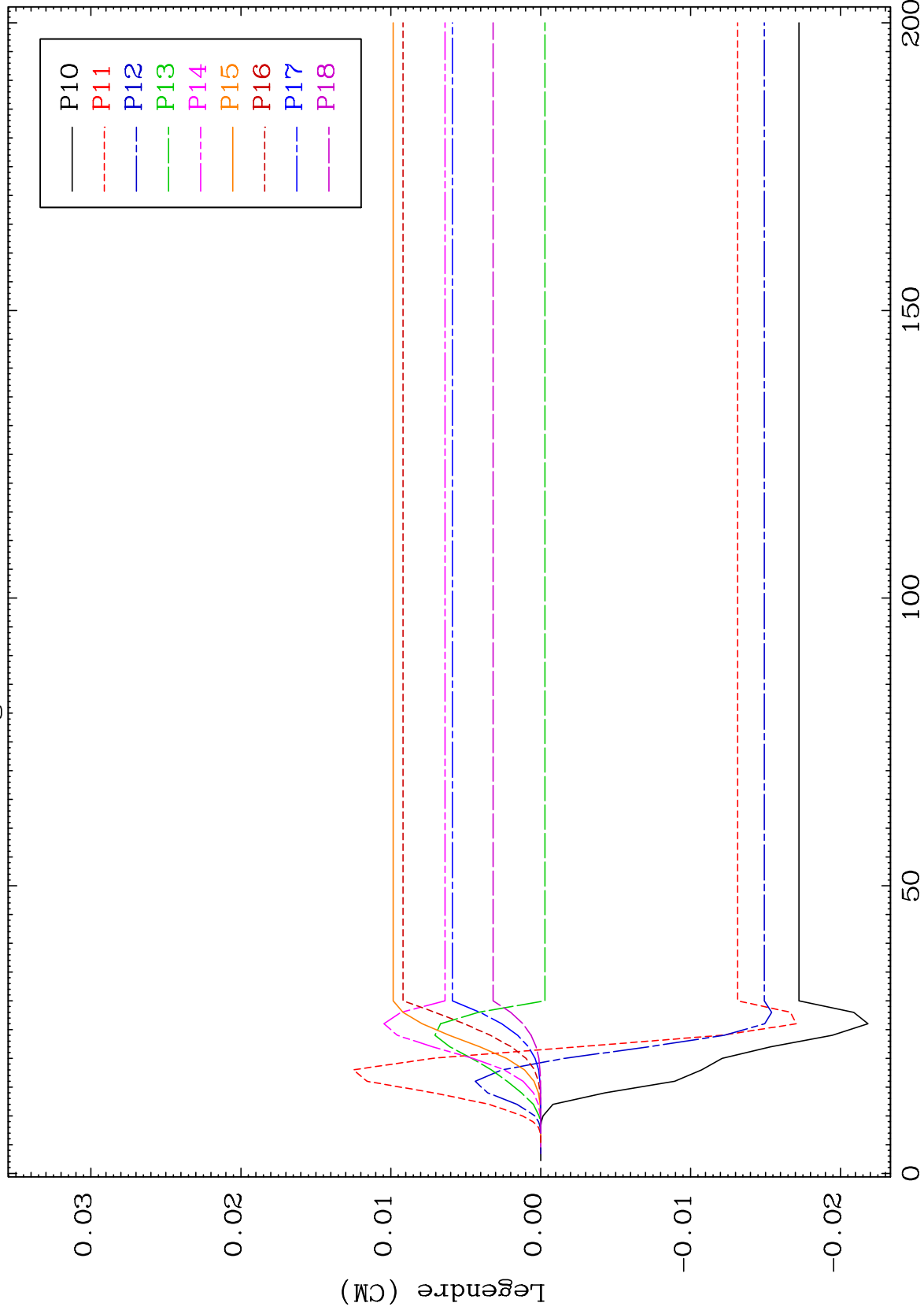
<sup>34</sup>Se-73



MAT 3422

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

<sup>34</sup>Se-73



131

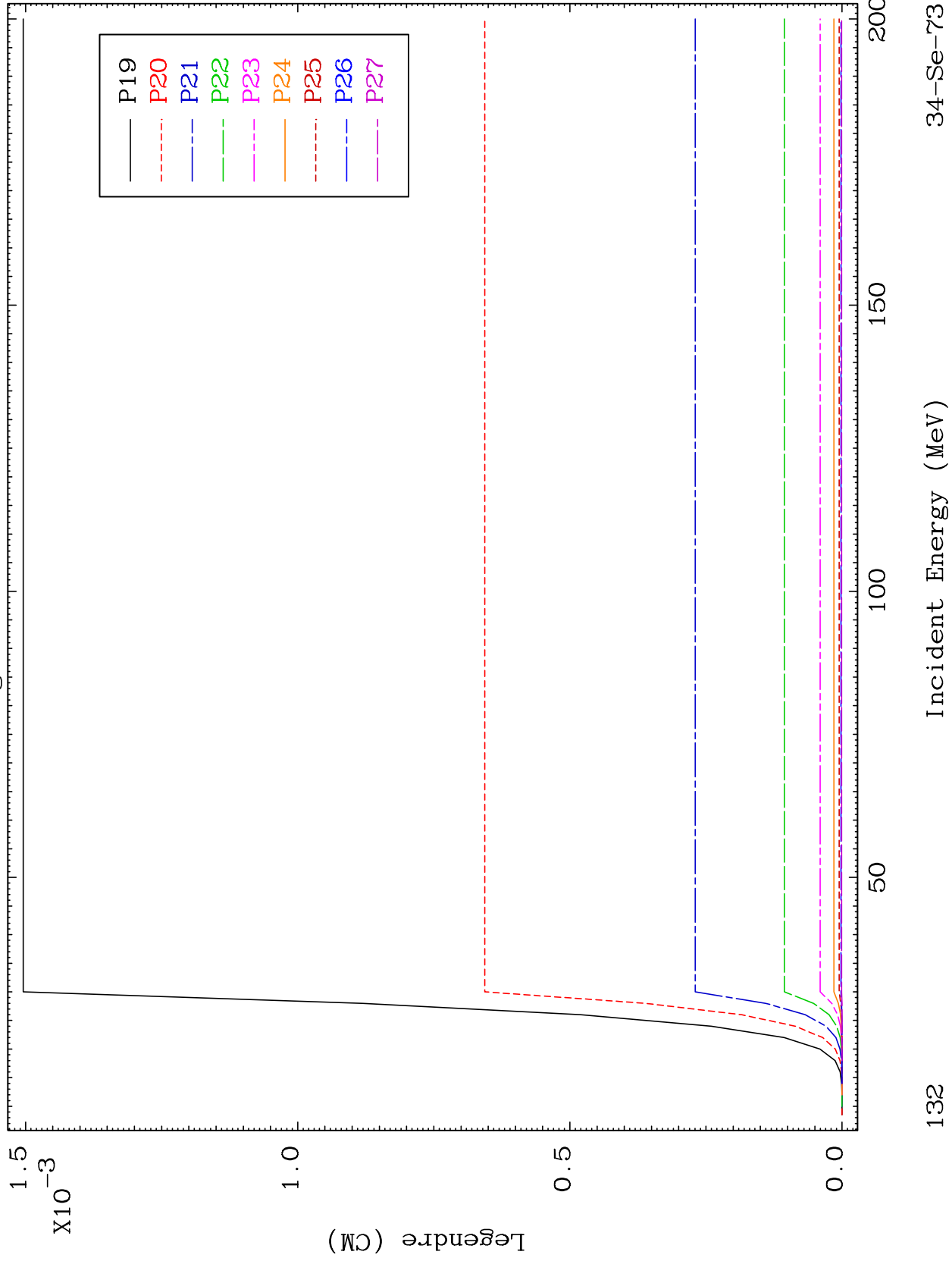
Incident Energy (MeV)

<sup>34</sup>Se-73

MAT 3422

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

34-Se-73



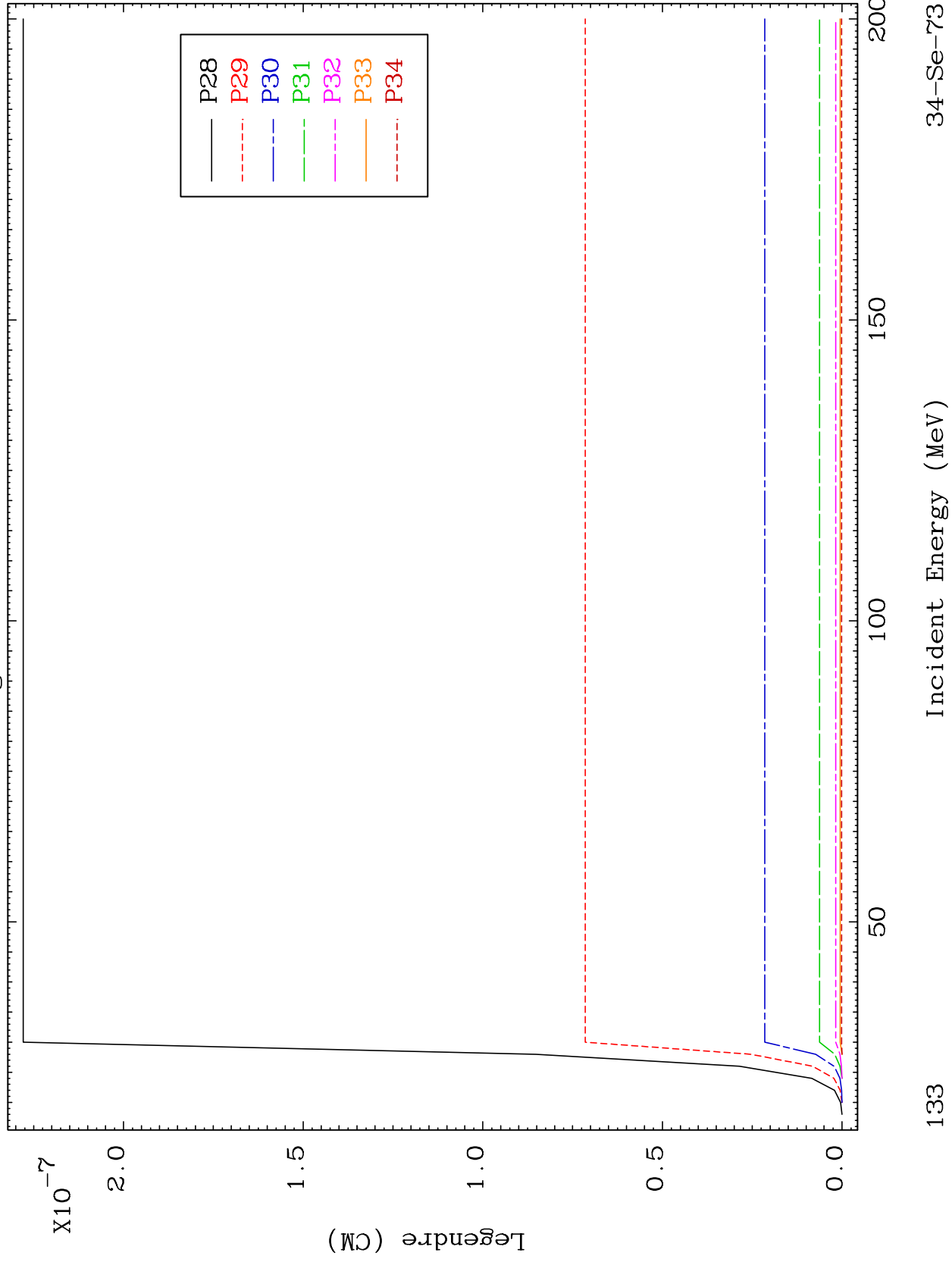
132

34-Se-73

MAT 3422

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

<sup>34</sup>Se-73

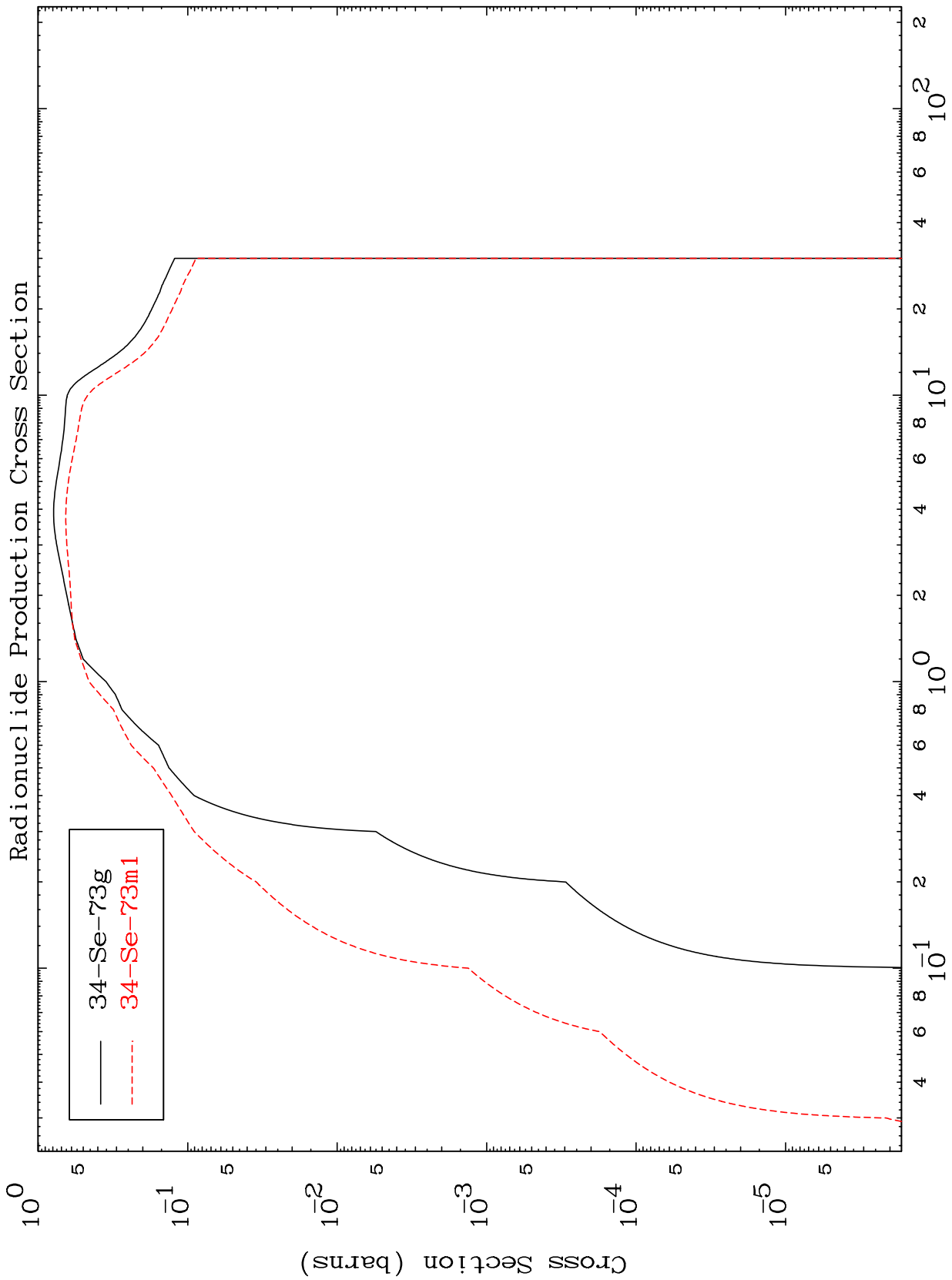


133

MAT 3422

<sup>34</sup>Se-73

Radionuclide Production Cross Section



— 34-Se-73g  
- - - 34-Se-73m1

<sup>34</sup>Se-73

Incident Energy (MeV)

134