

Program EVALPLOT  
(Version 2017-1)

by

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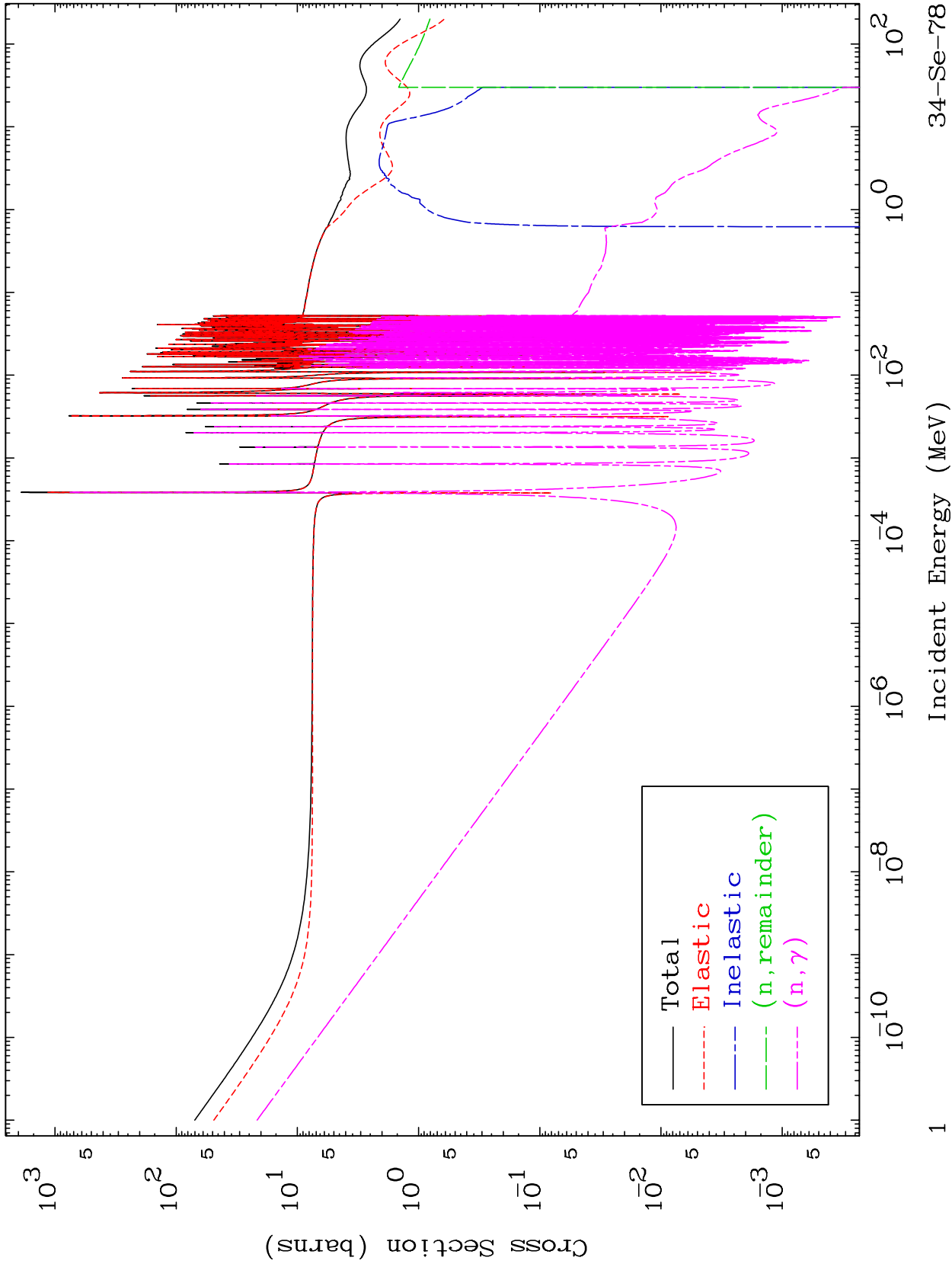
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3437

Major  
293 Kelvin Cross Sections

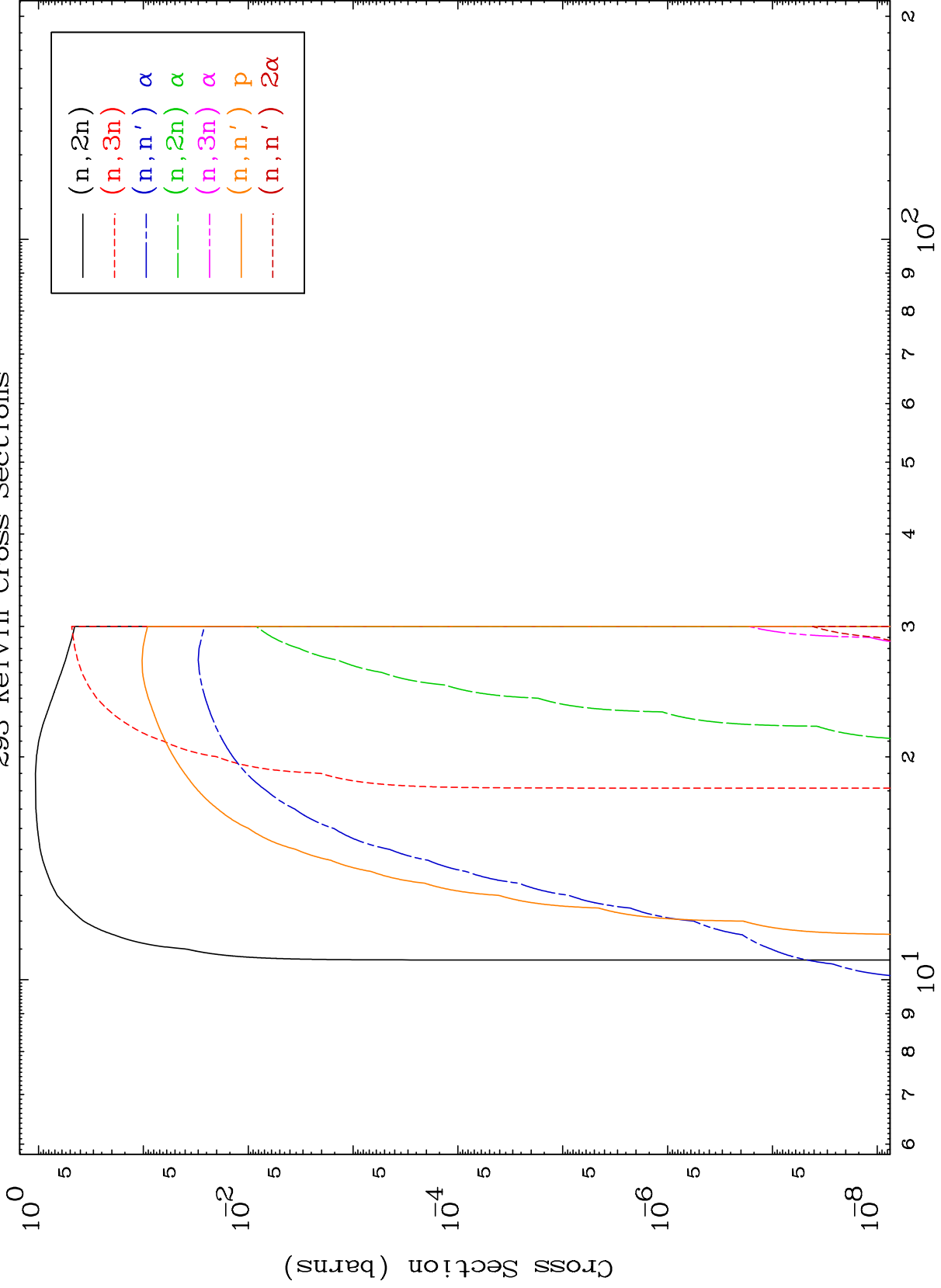
<sup>34</sup>Se-78



MAT 3437

Neutron Production  
293 Kelvin Cross Sections

34-Se-78



2

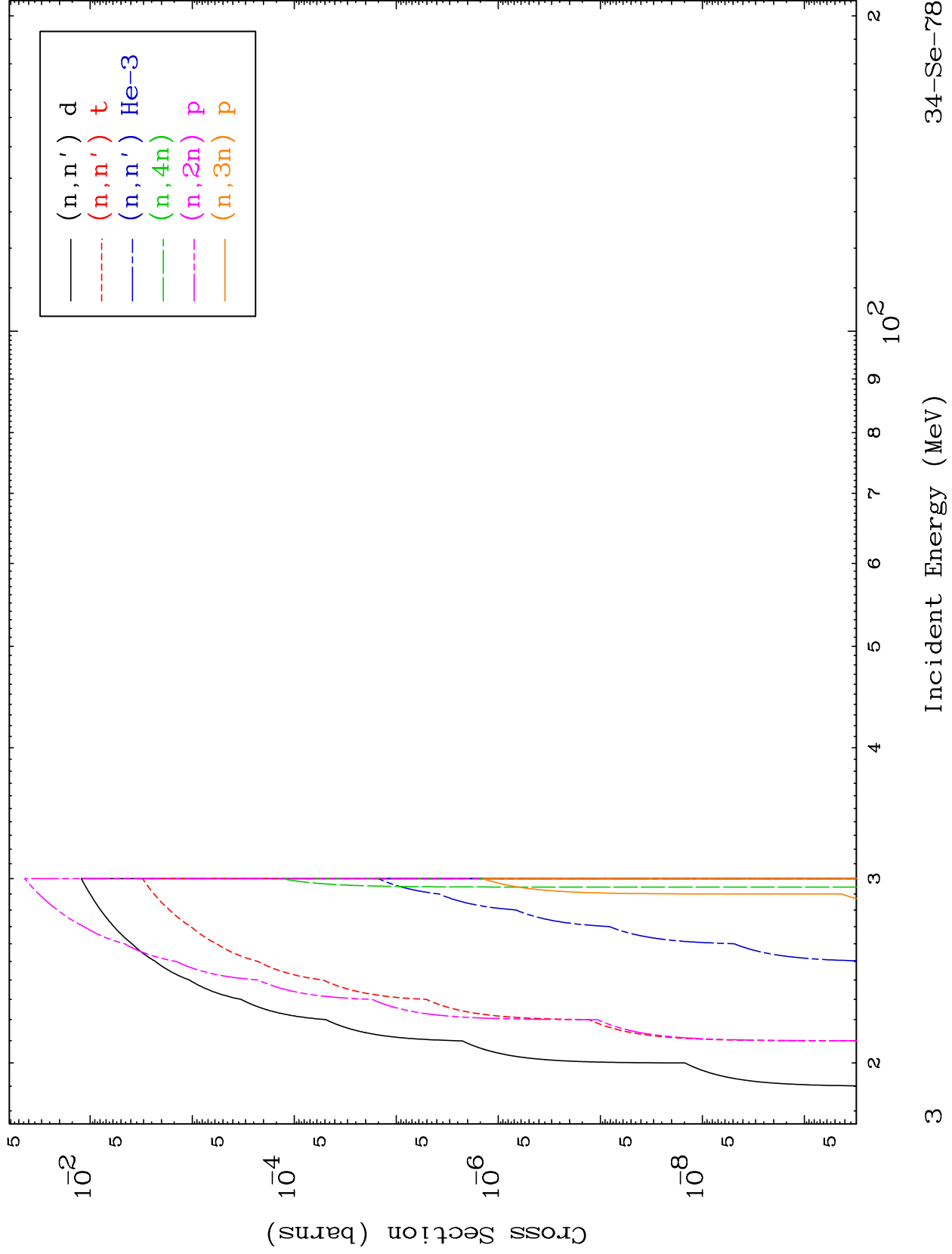
Incident Energy (MeV)

34-Se-78

MAT 3437

Neutron Production  
293 Kelvin Cross Sections

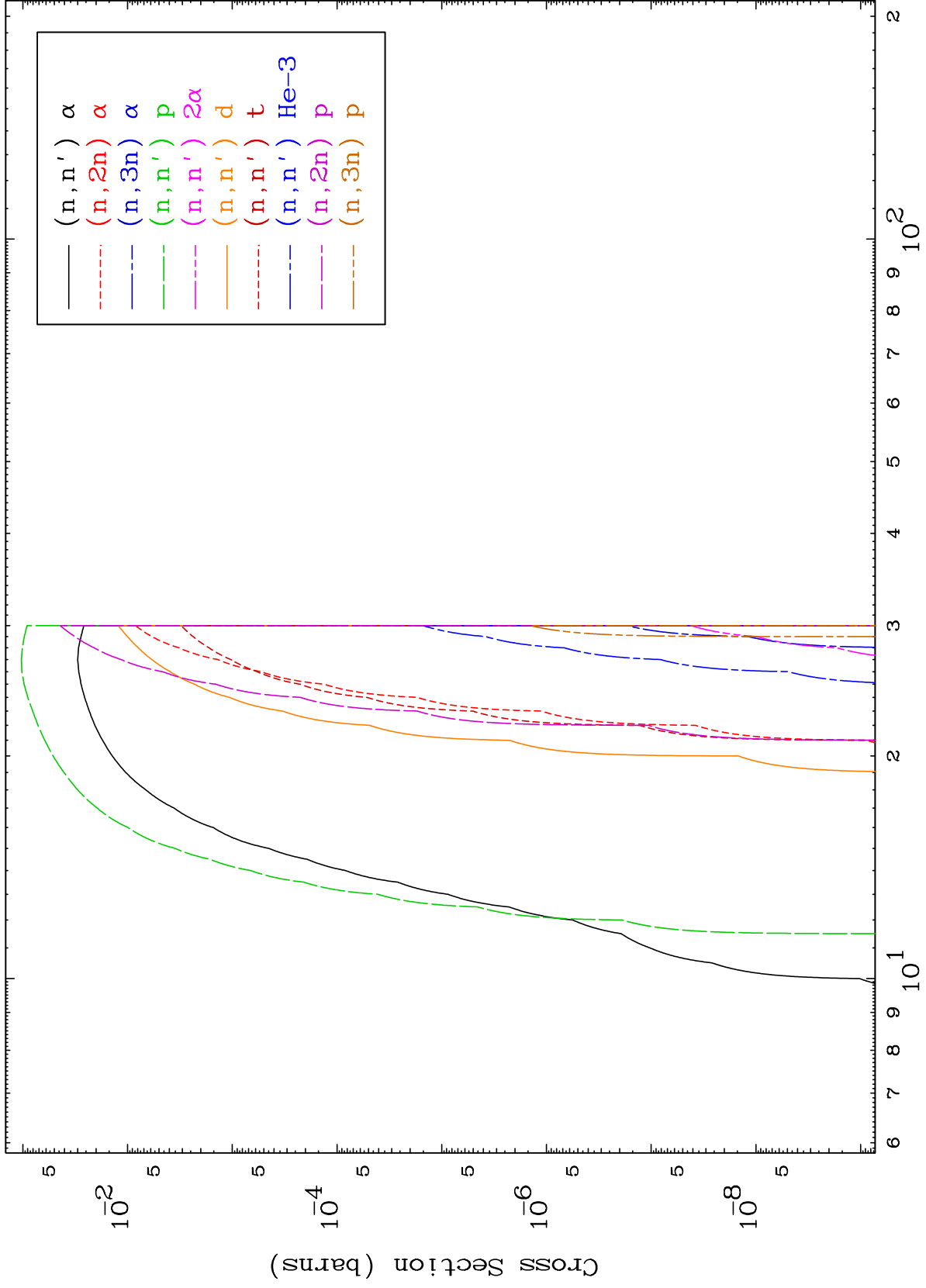
34-Se-78



MAT 3437

Charged Particle  
293 Kelvin Cross Sections

34-Se-78



4

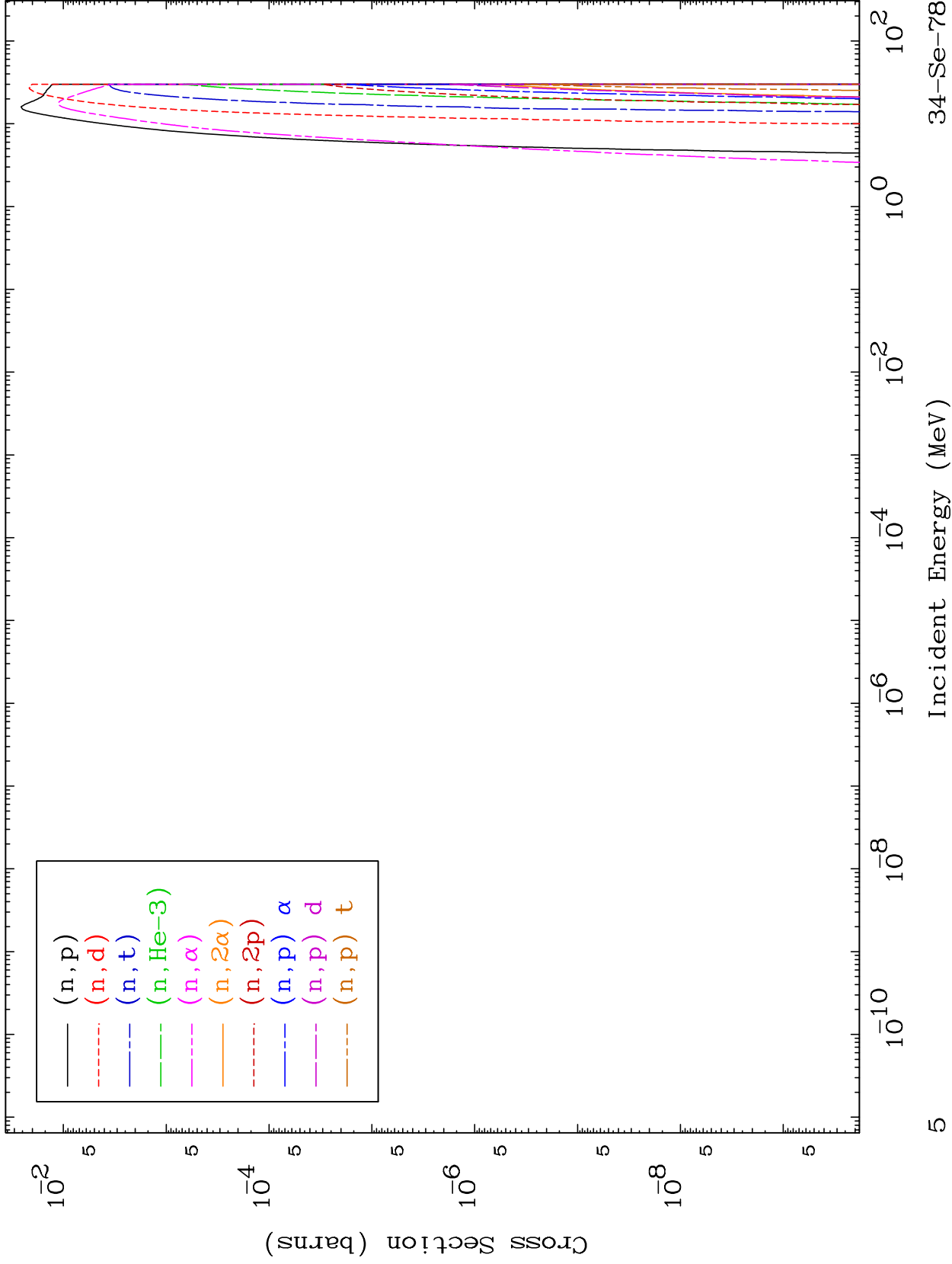
Incident Energy (MeV)

34-Se-78

MAT 3437

Charged Particle  
293 Kelvin Cross Sections

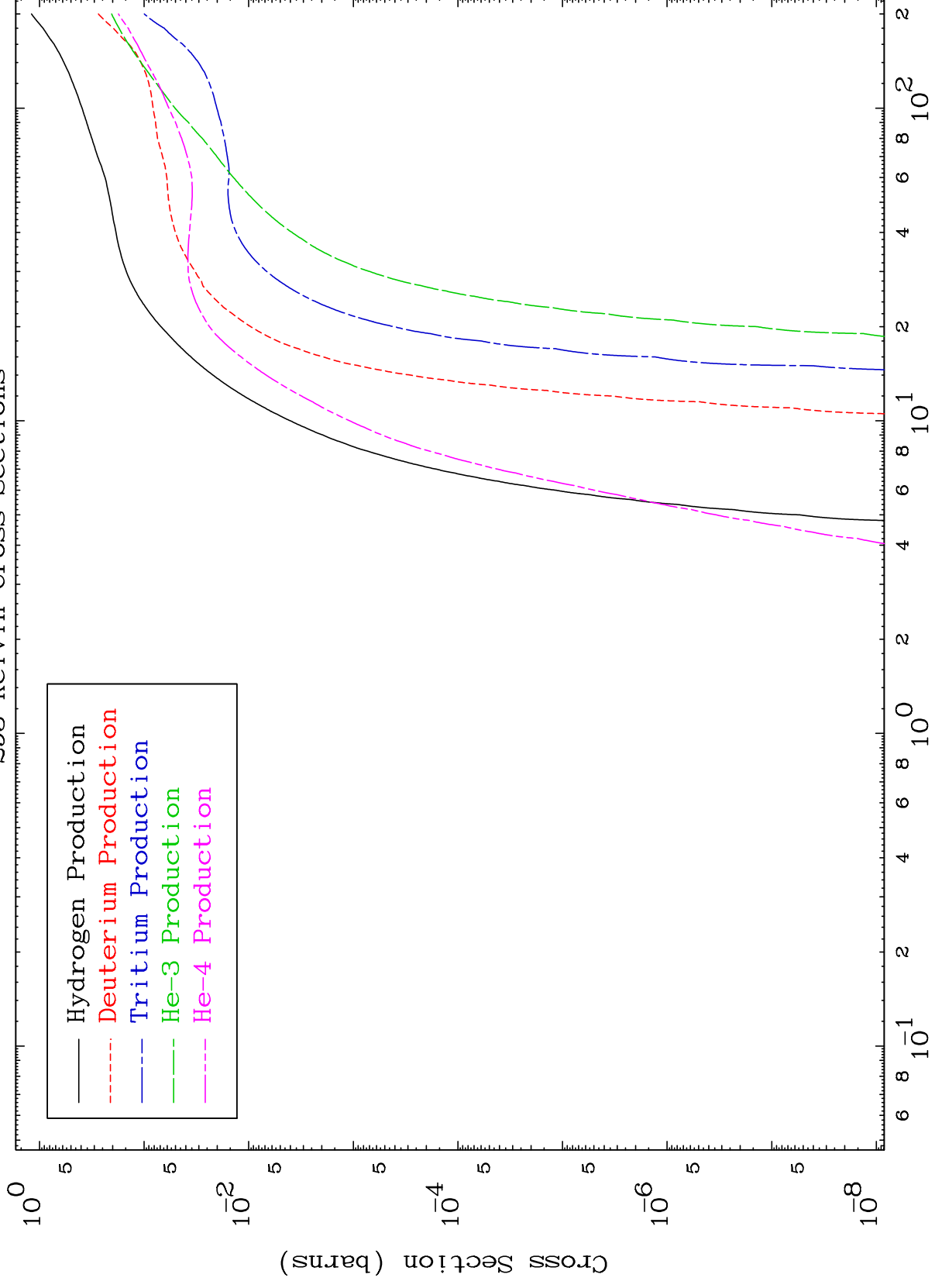
34-Se-78



MAT 3437

Particle Production  
293 Kelvin Cross Sections

<sup>34</sup>Se-78



6

Incident Energy (MeV)

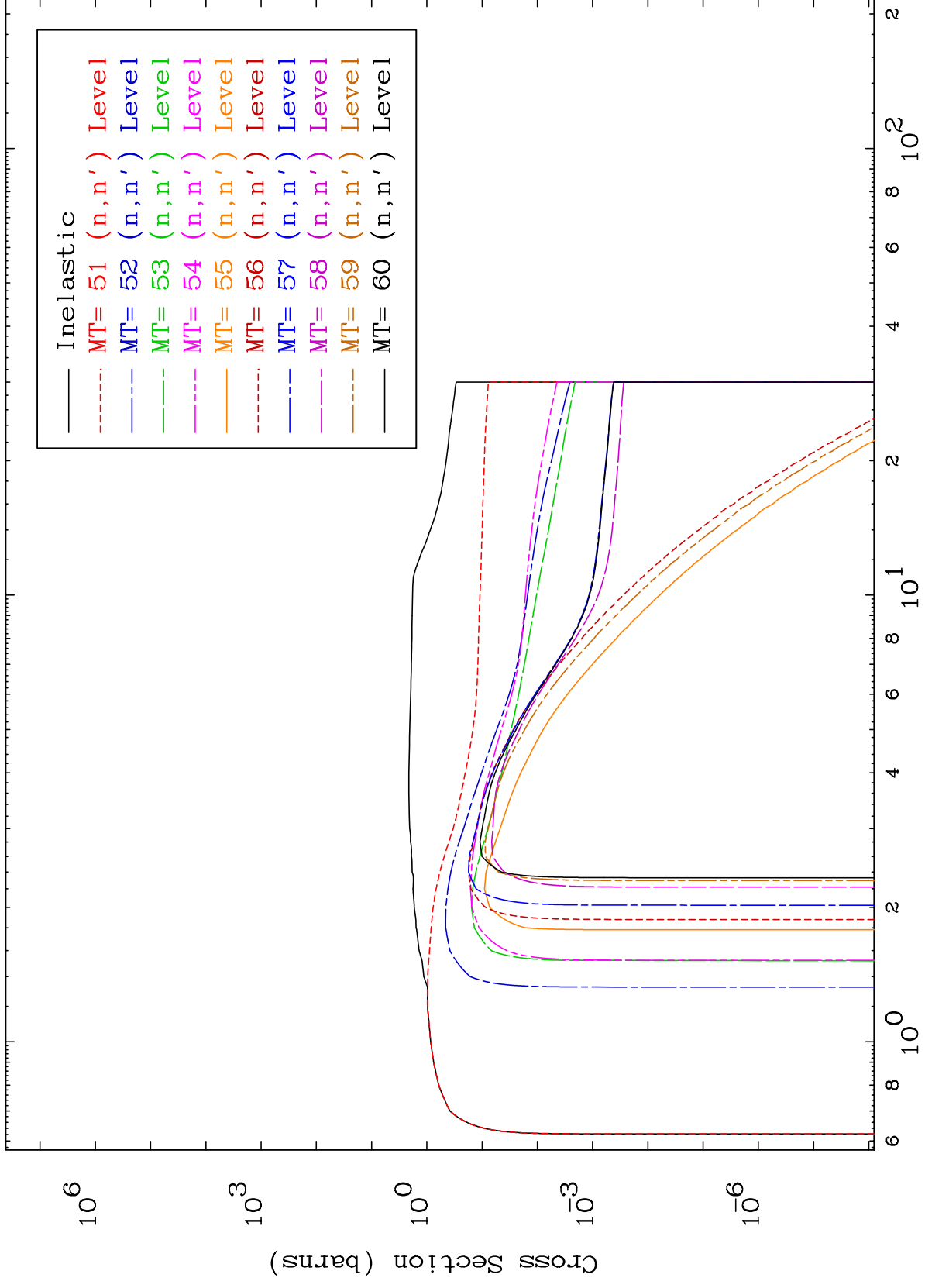
<sup>34</sup>Se-78

MAT 3437

(n,n') Level

34-Se-78

293 Kelvin Cross Sections



7

Incident Energy (MeV)

34-Se-78

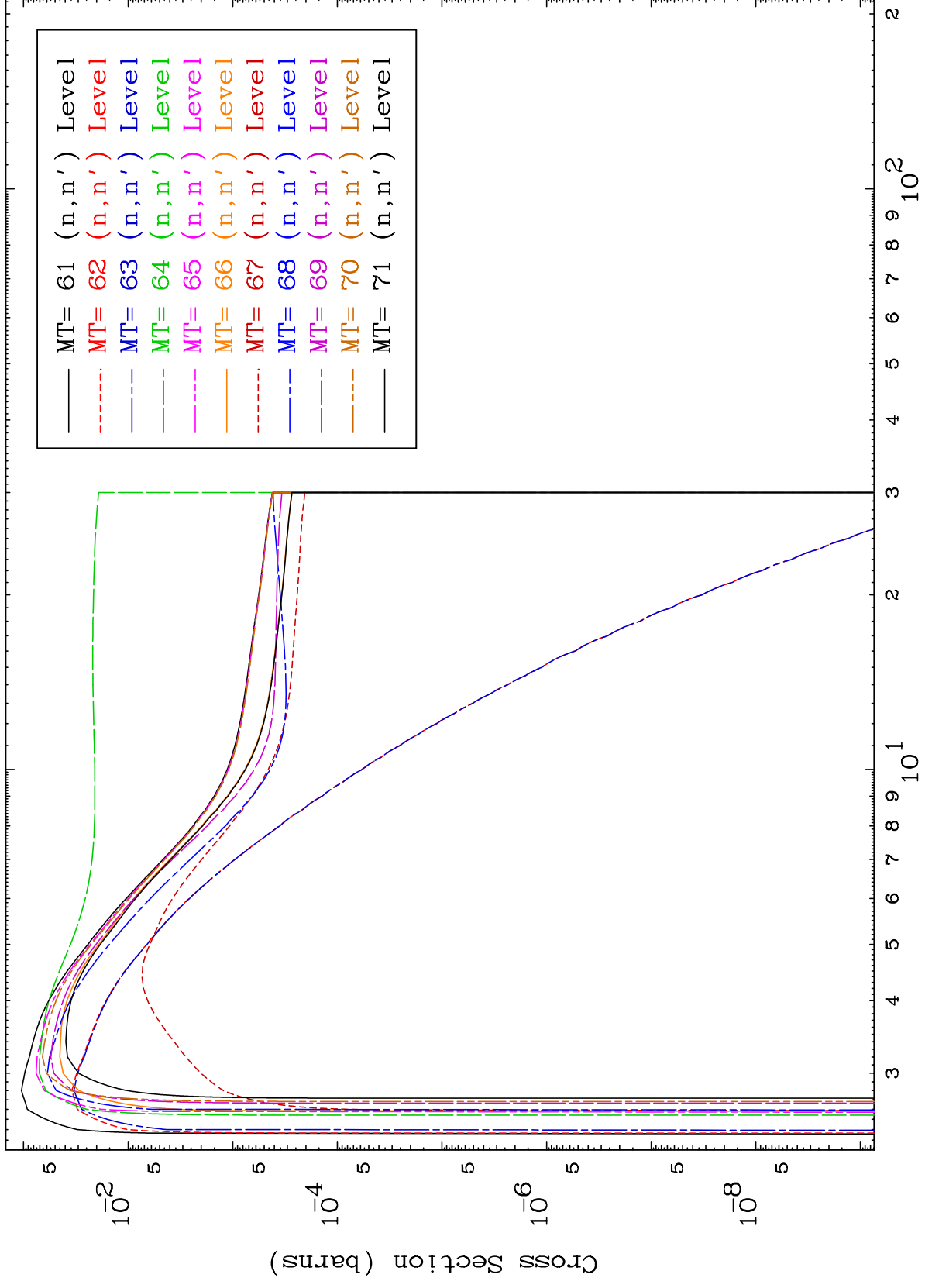


MAT 3437

(n,n') Level

34-Se-78

293 Kelvin Cross Sections



8

Incident Energy (MeV)

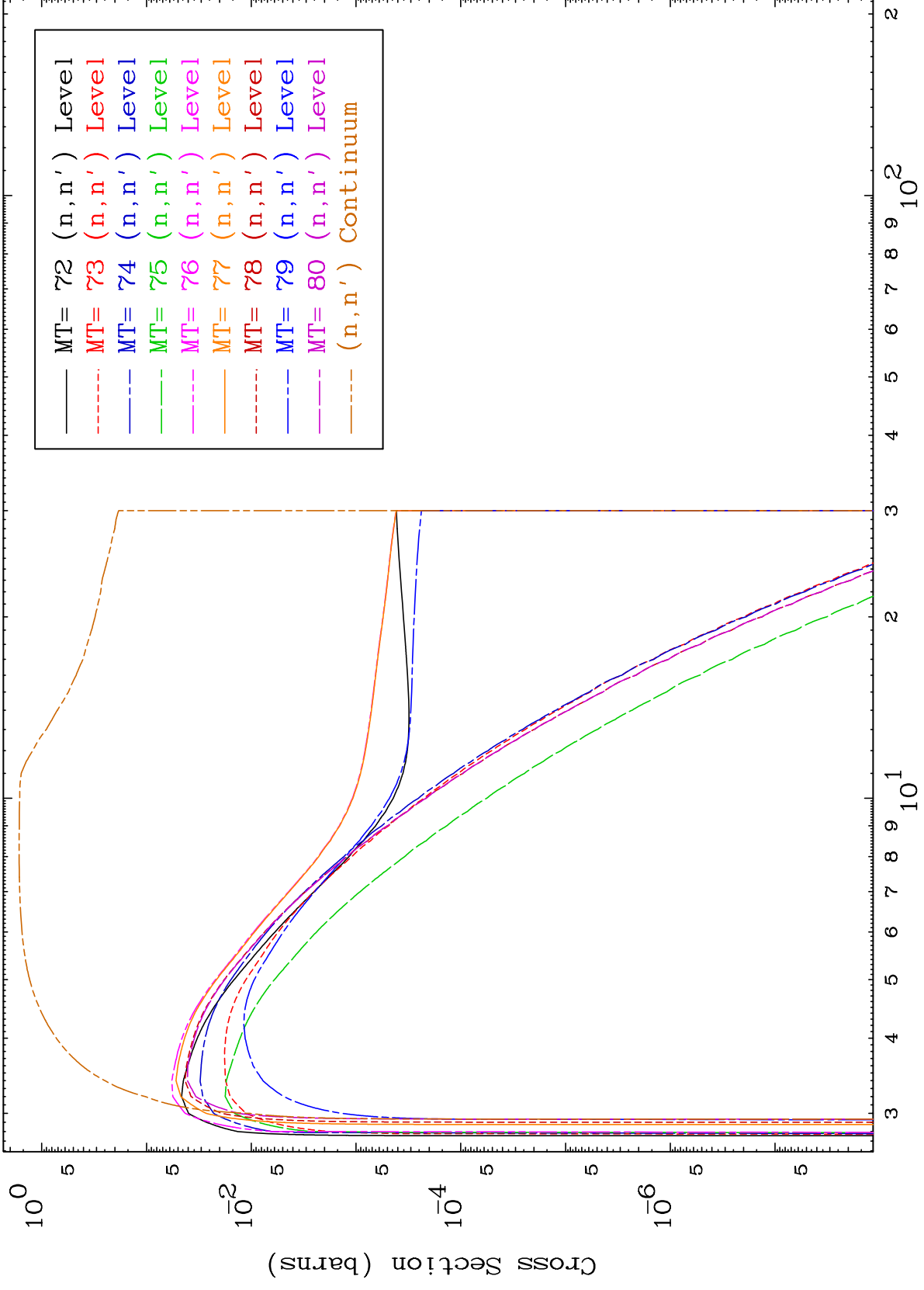
34-Se-78

MAT 3437

(n,n') Level

34-Se-78

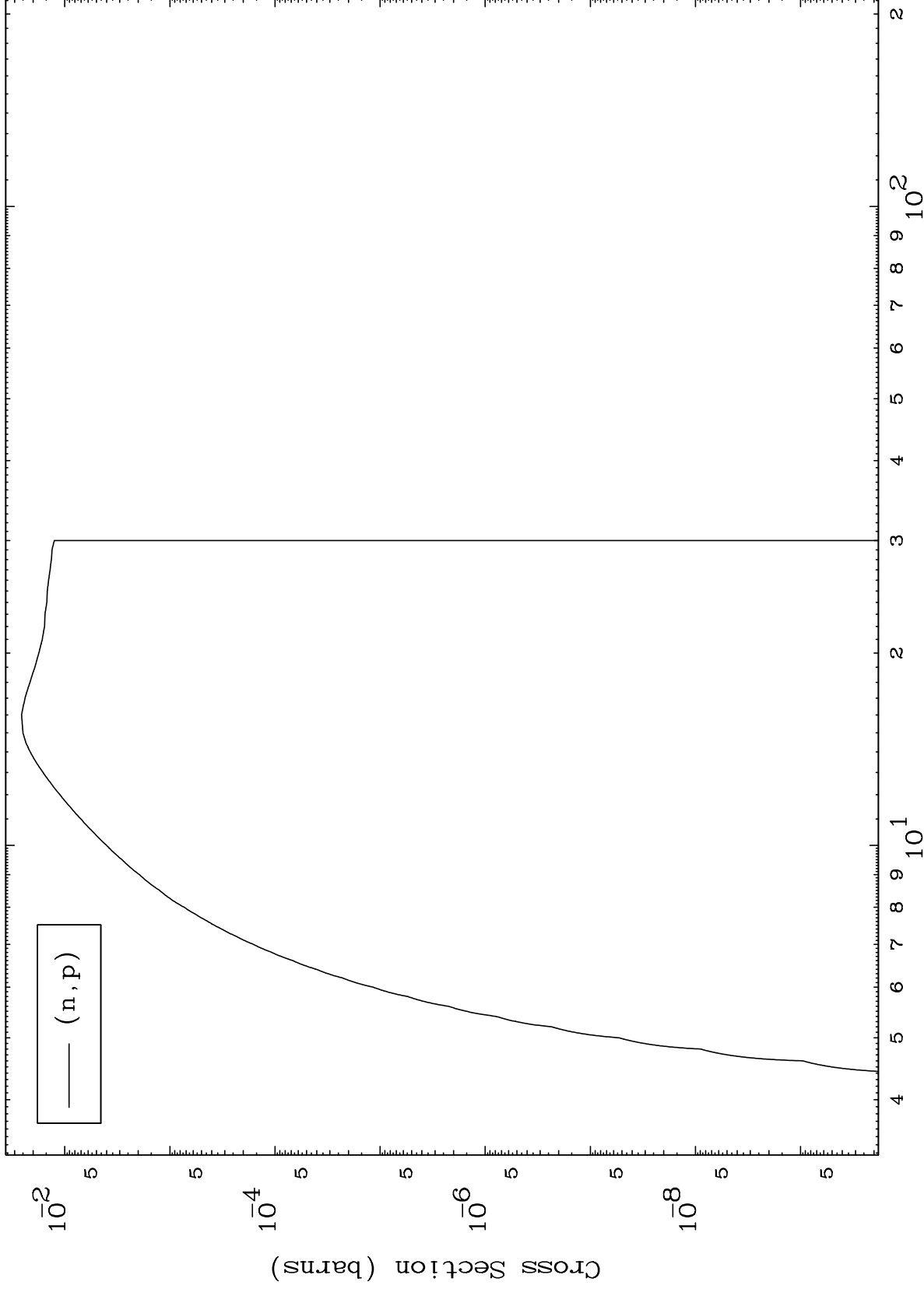
293 Kelvin Cross Sections



MAT 3437

(n,p) Levels  
293 Kelvin Cross Sections

<sup>34</sup>Se-78



10

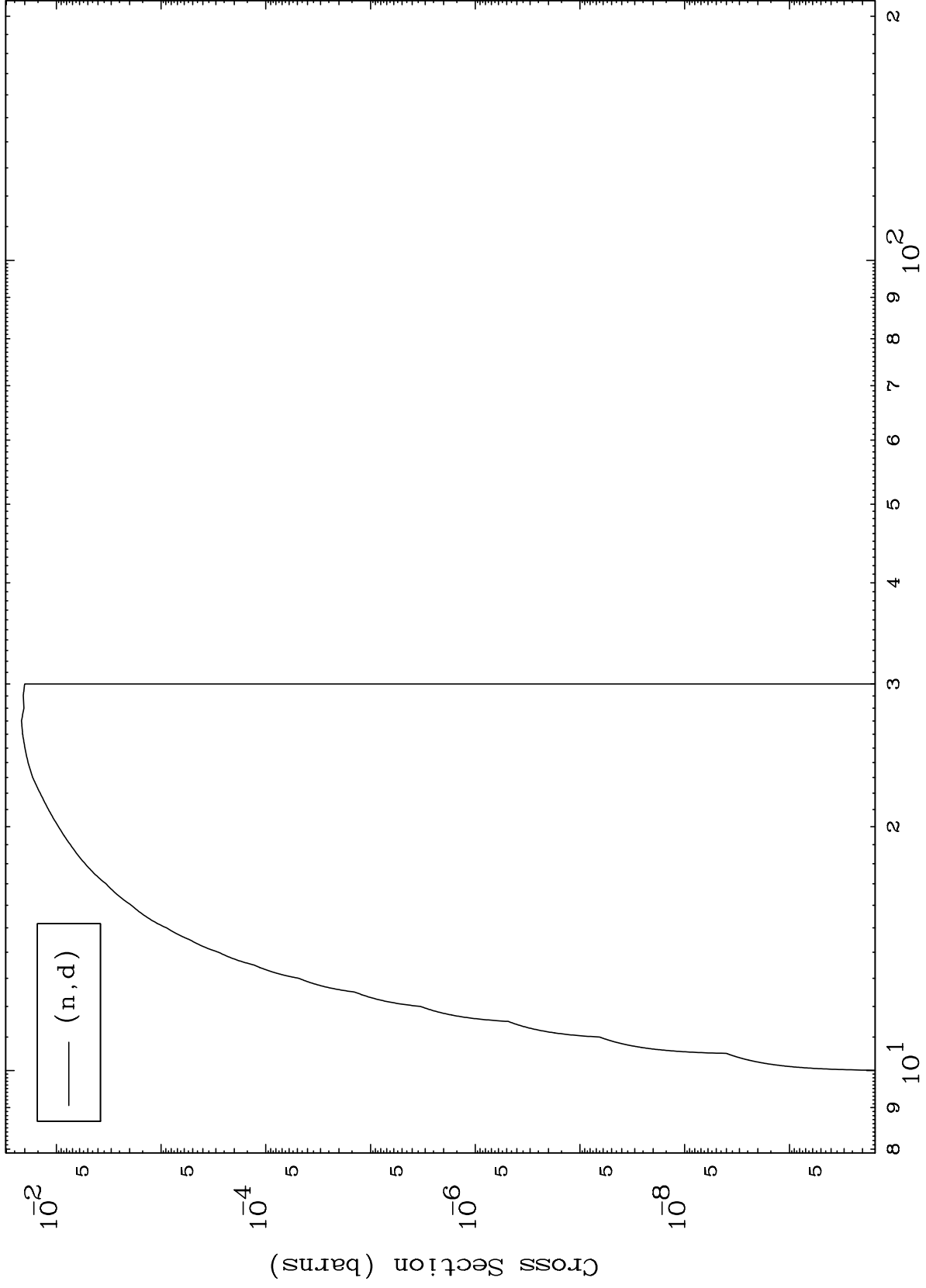
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

(n,d) Levels  
293 Kelvin Cross Sections

<sup>34</sup>Se-78



11

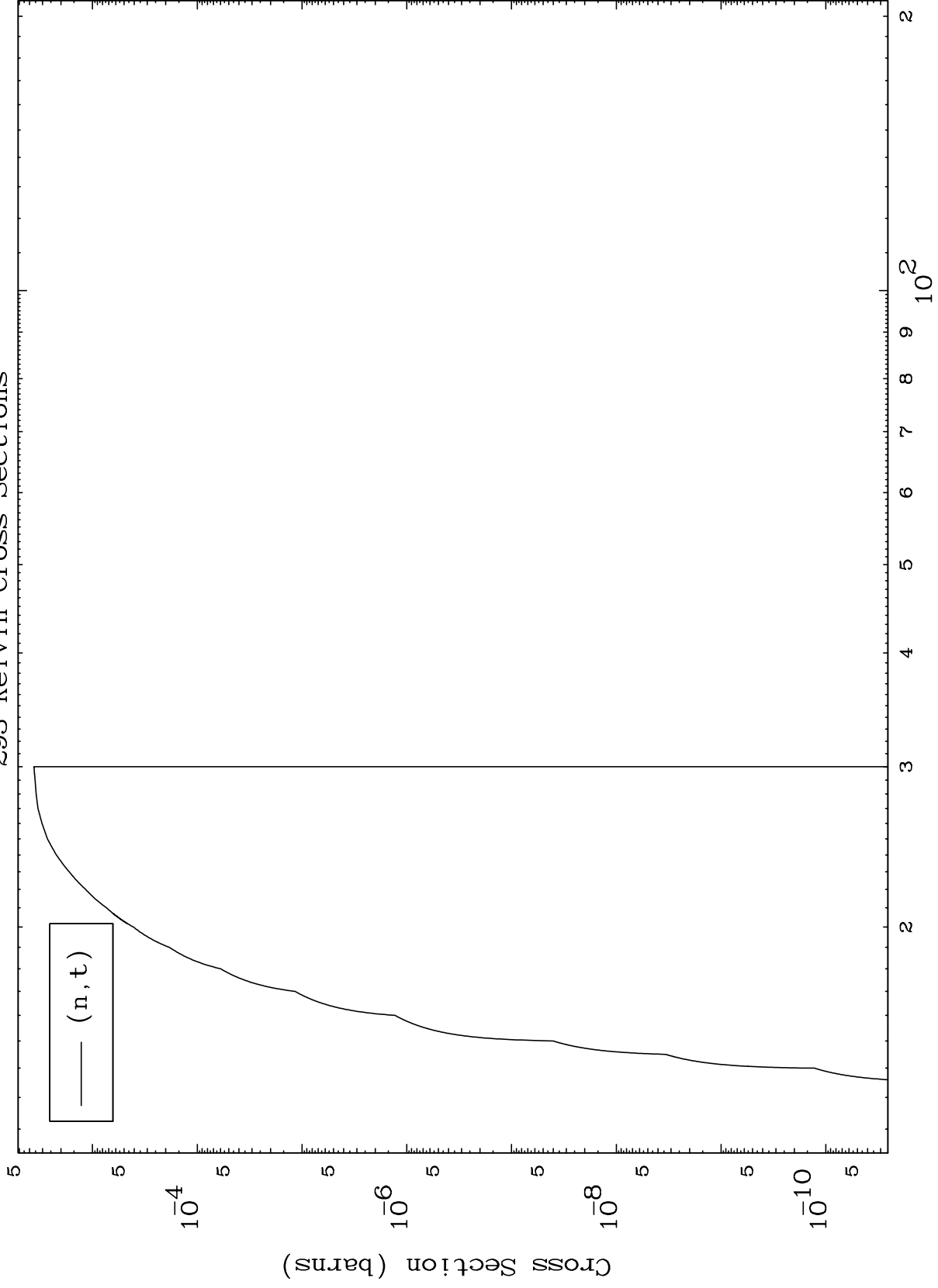
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

(n,t) Levels  
293 Kelvin Cross Sections

<sup>34</sup>Se-78



12

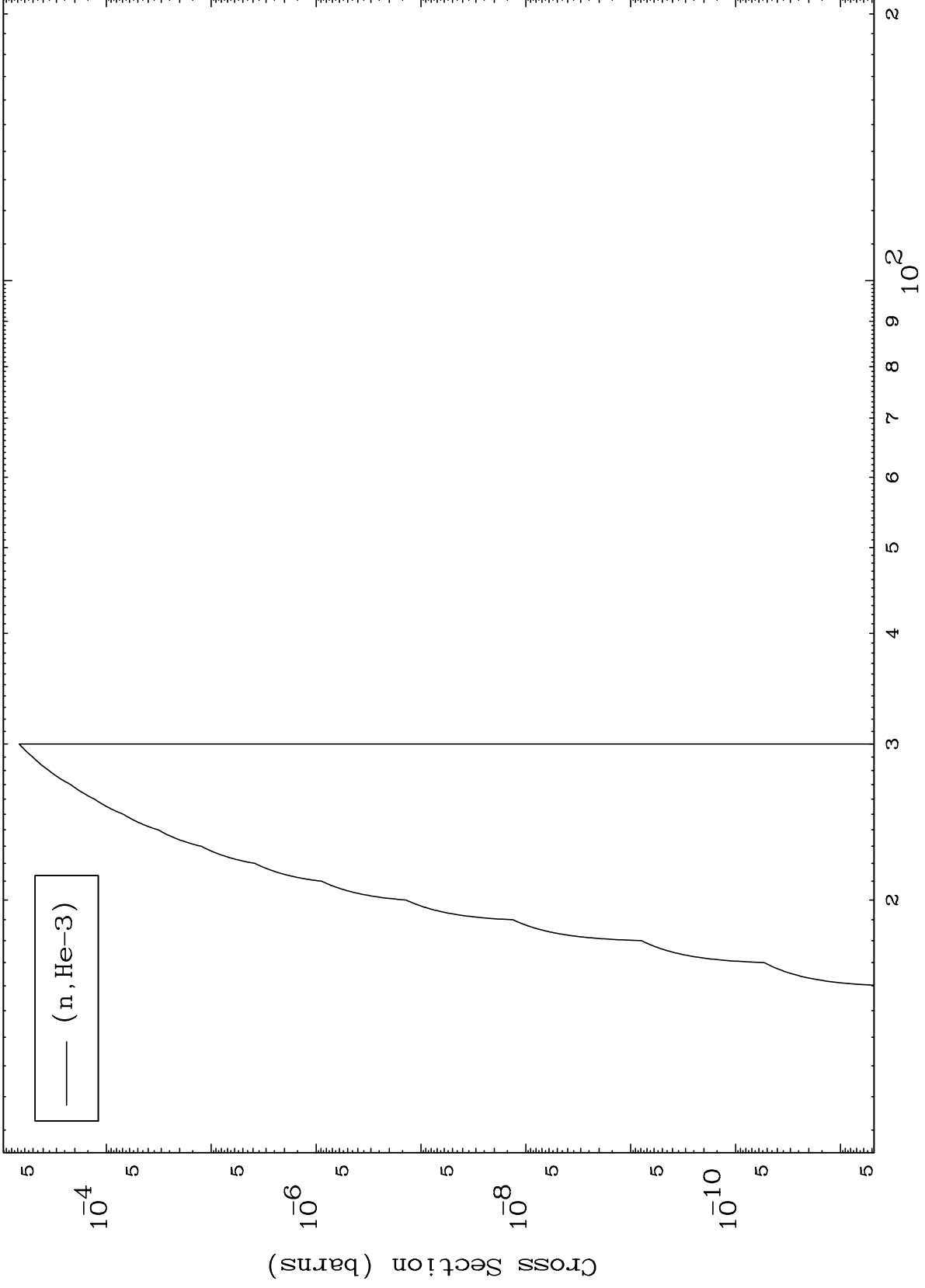
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

(n,He3) Levels  
293 Kelvin Cross Sections

34-Se-78



13

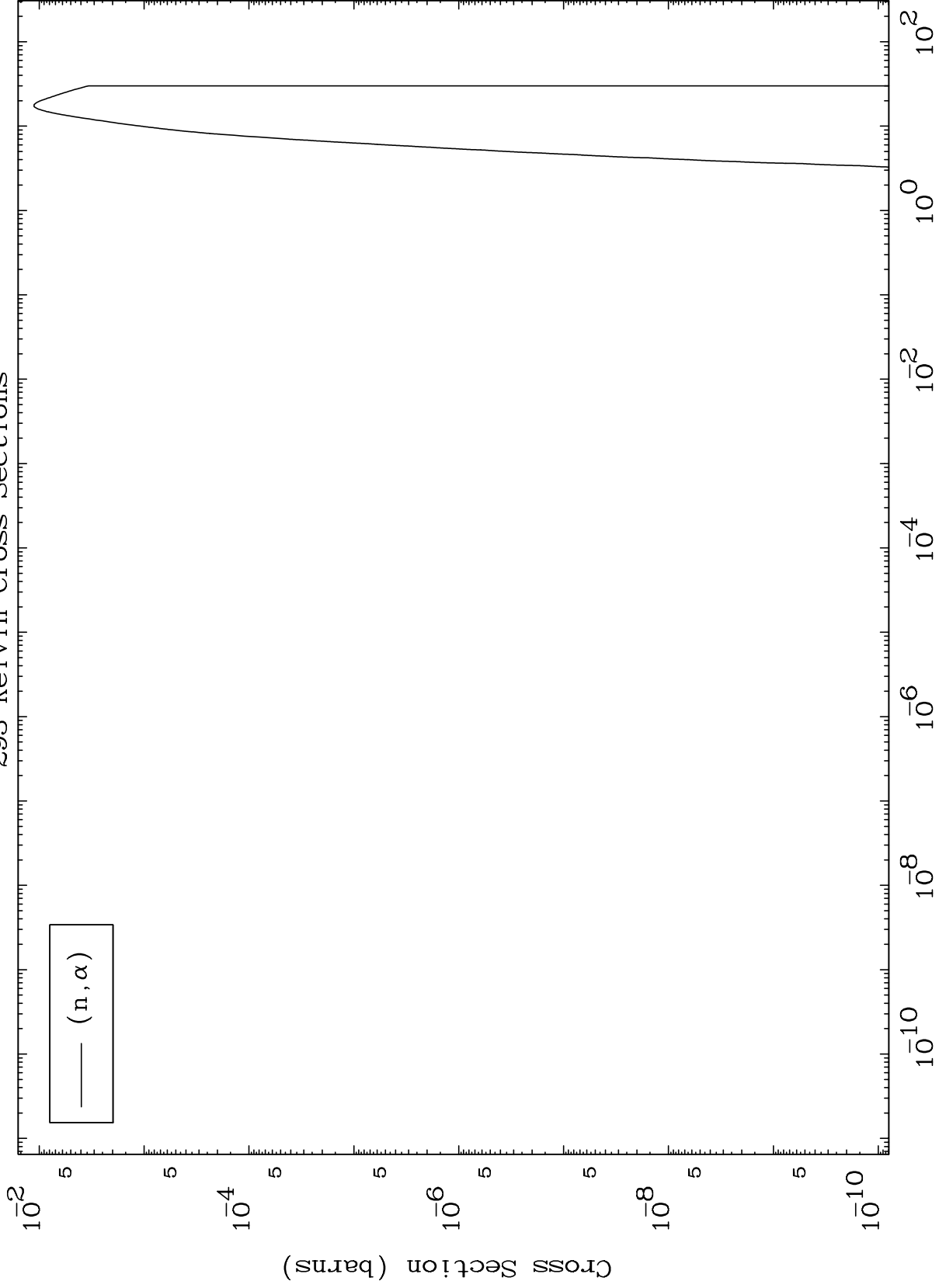
Incident Energy (MeV)

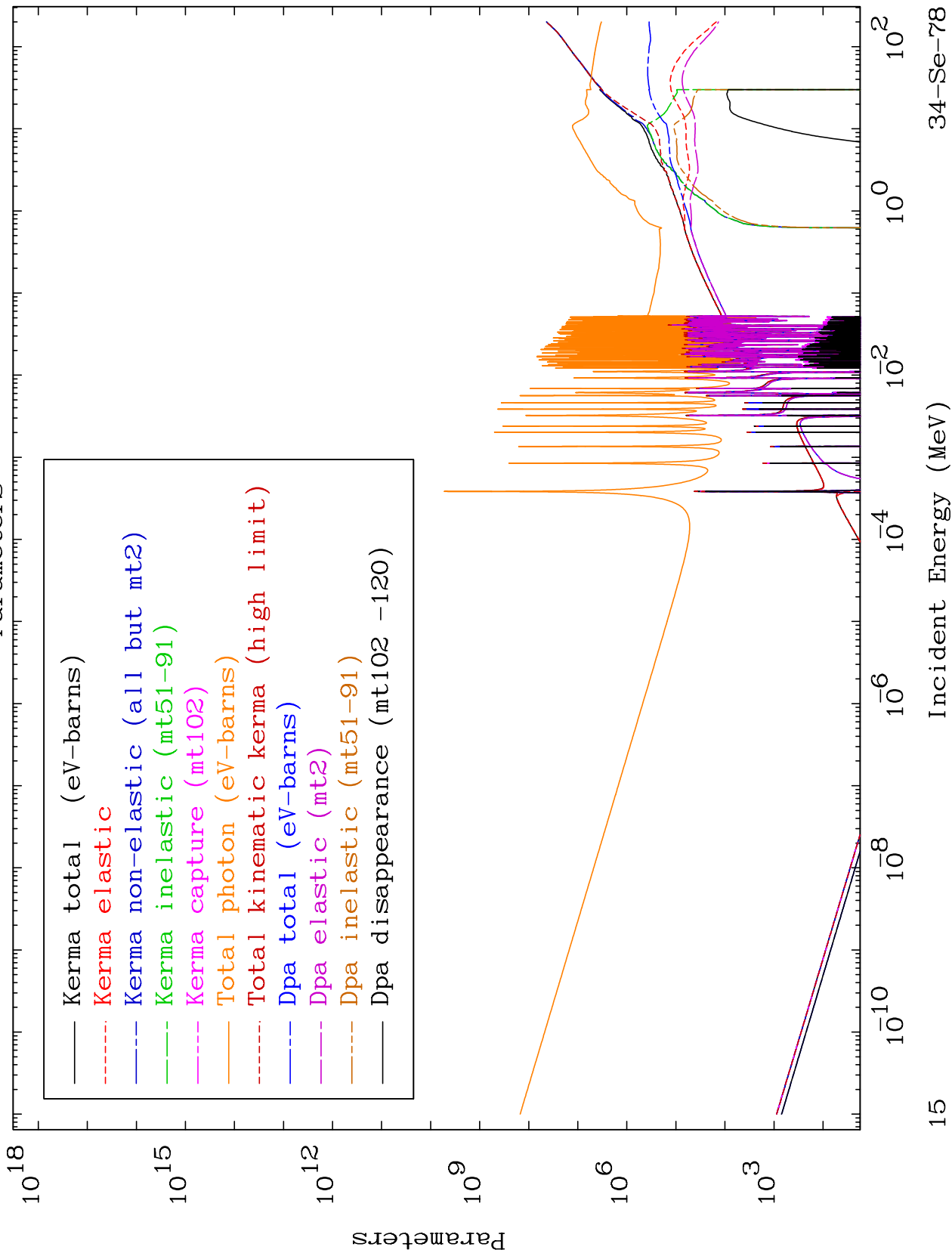
34-Se-78

MAT 3437

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

<sup>34</sup>Se-78



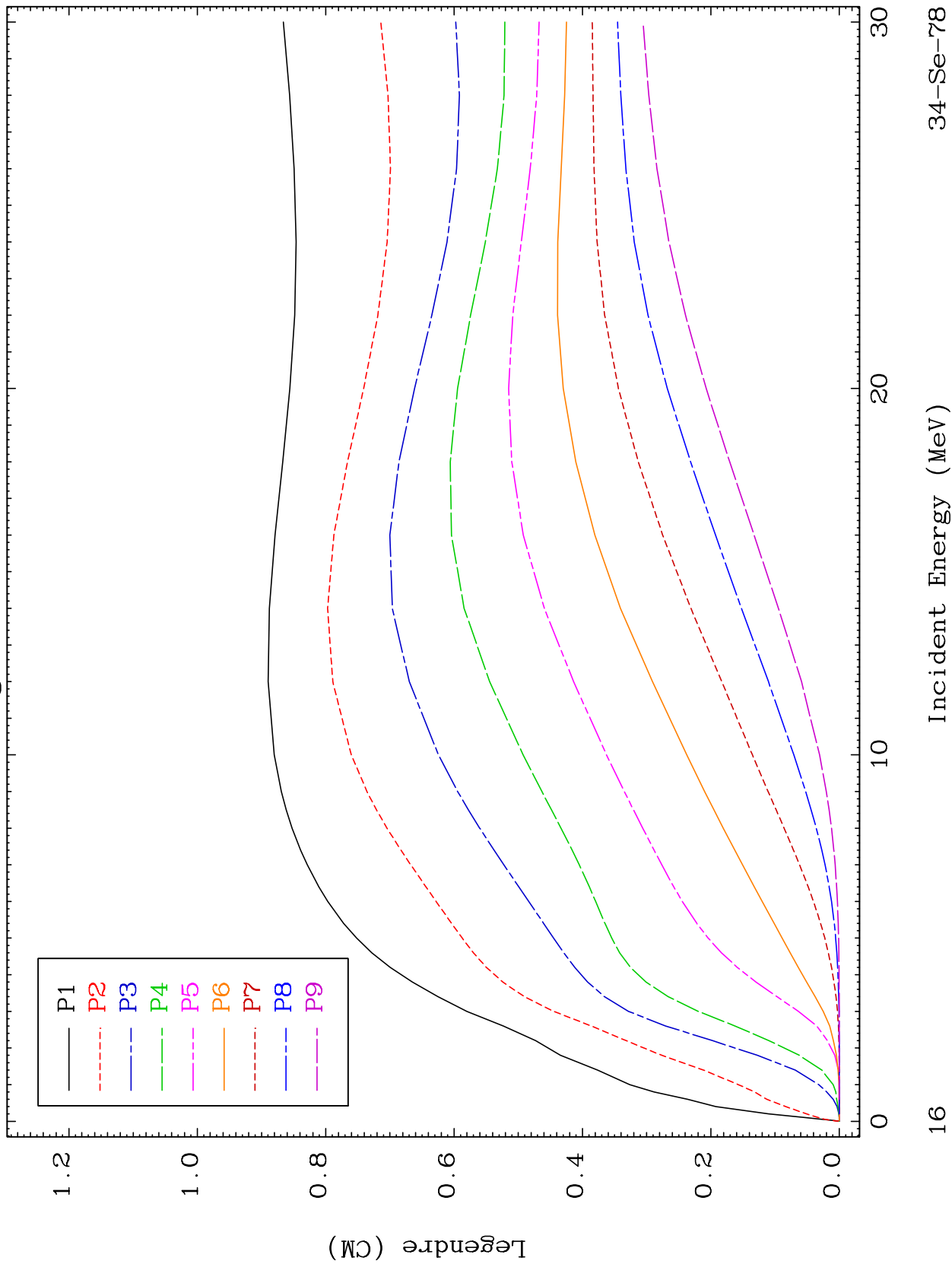




MAT 3437

Elastic Legendre Coefficients

<sup>34</sup>Se-78



16

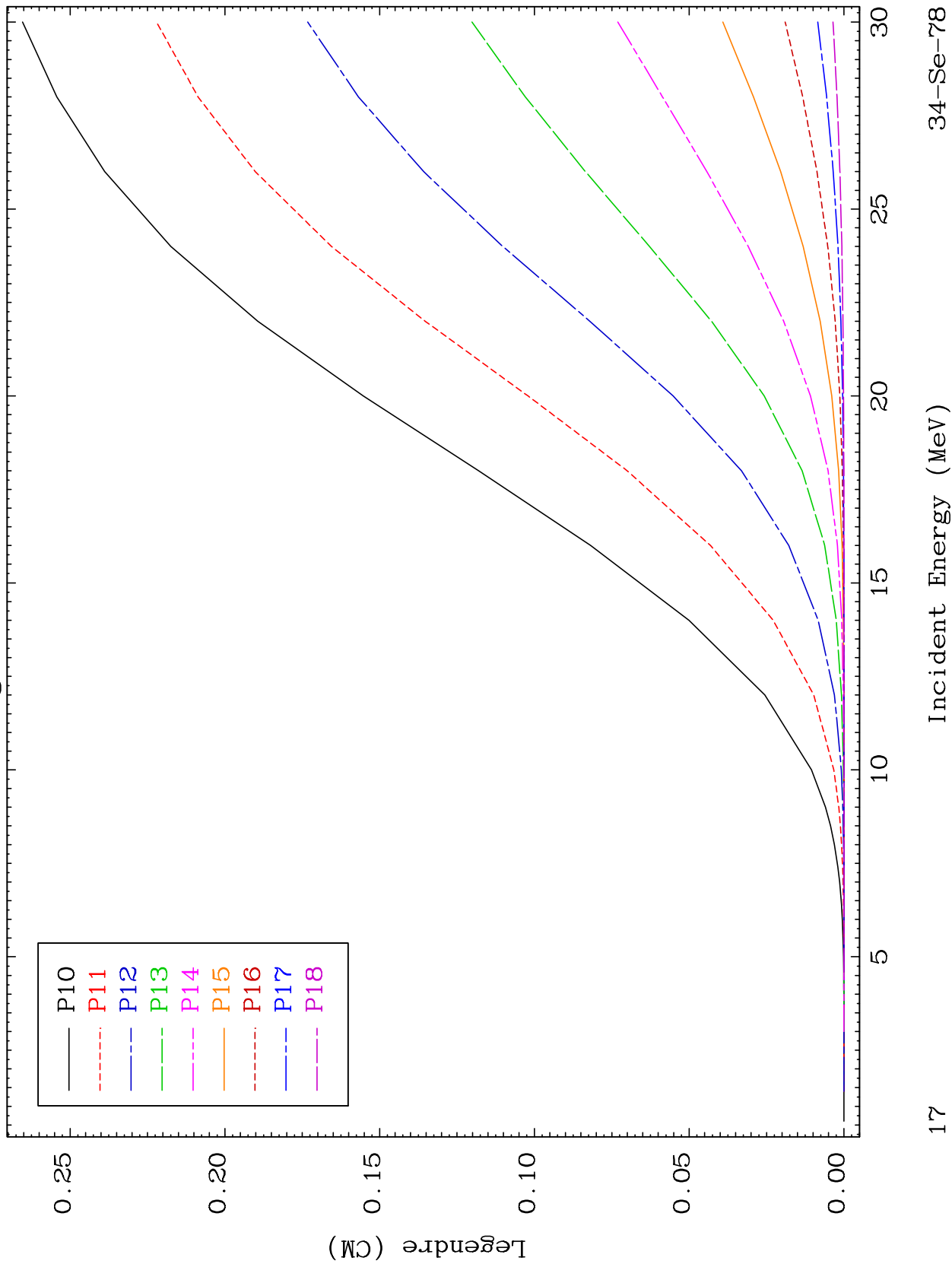
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

Elastic Legendre Coefficients

<sup>34</sup>Se-78

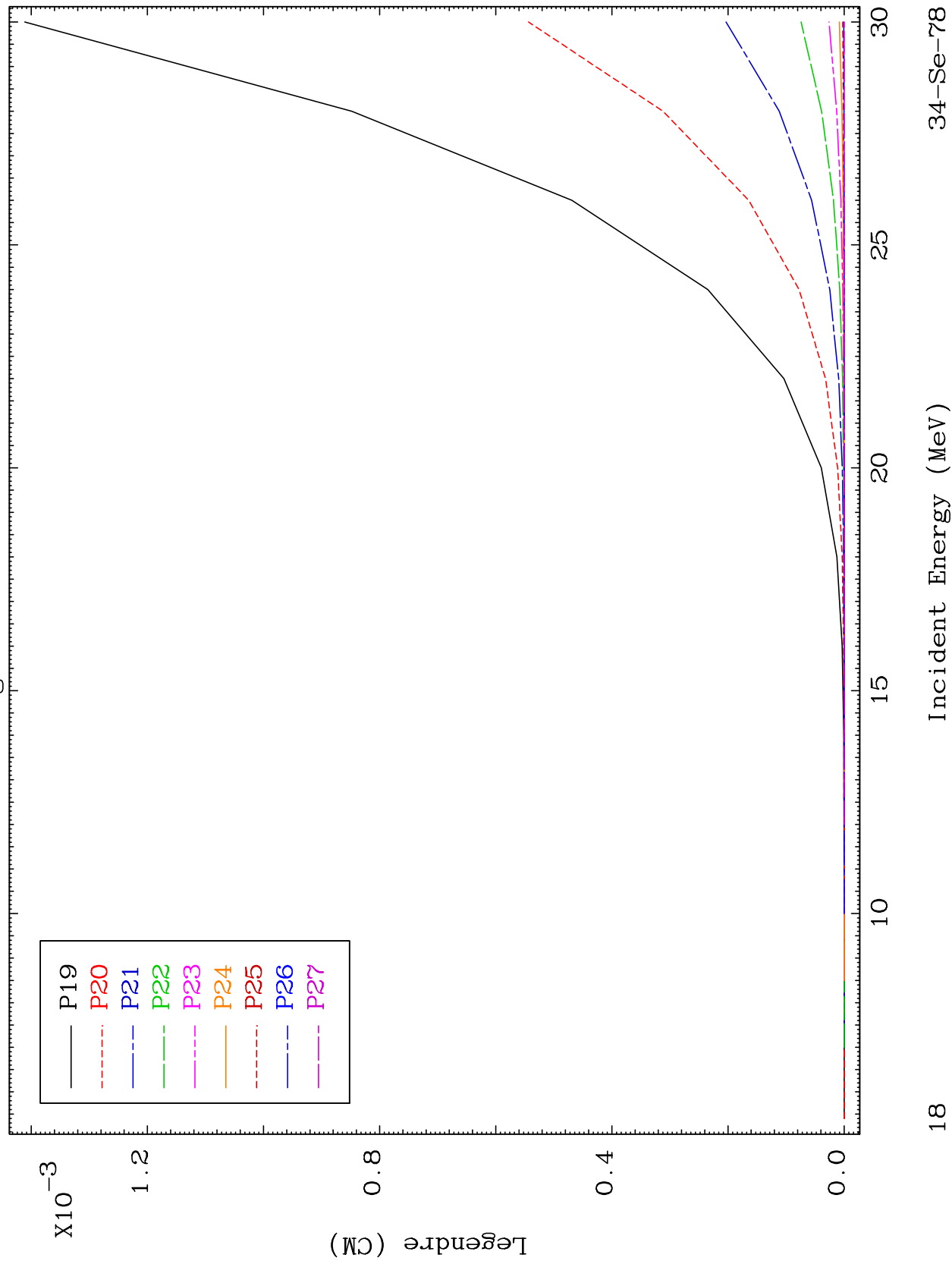


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MAT 3437

Elastic Legendre Coefficients

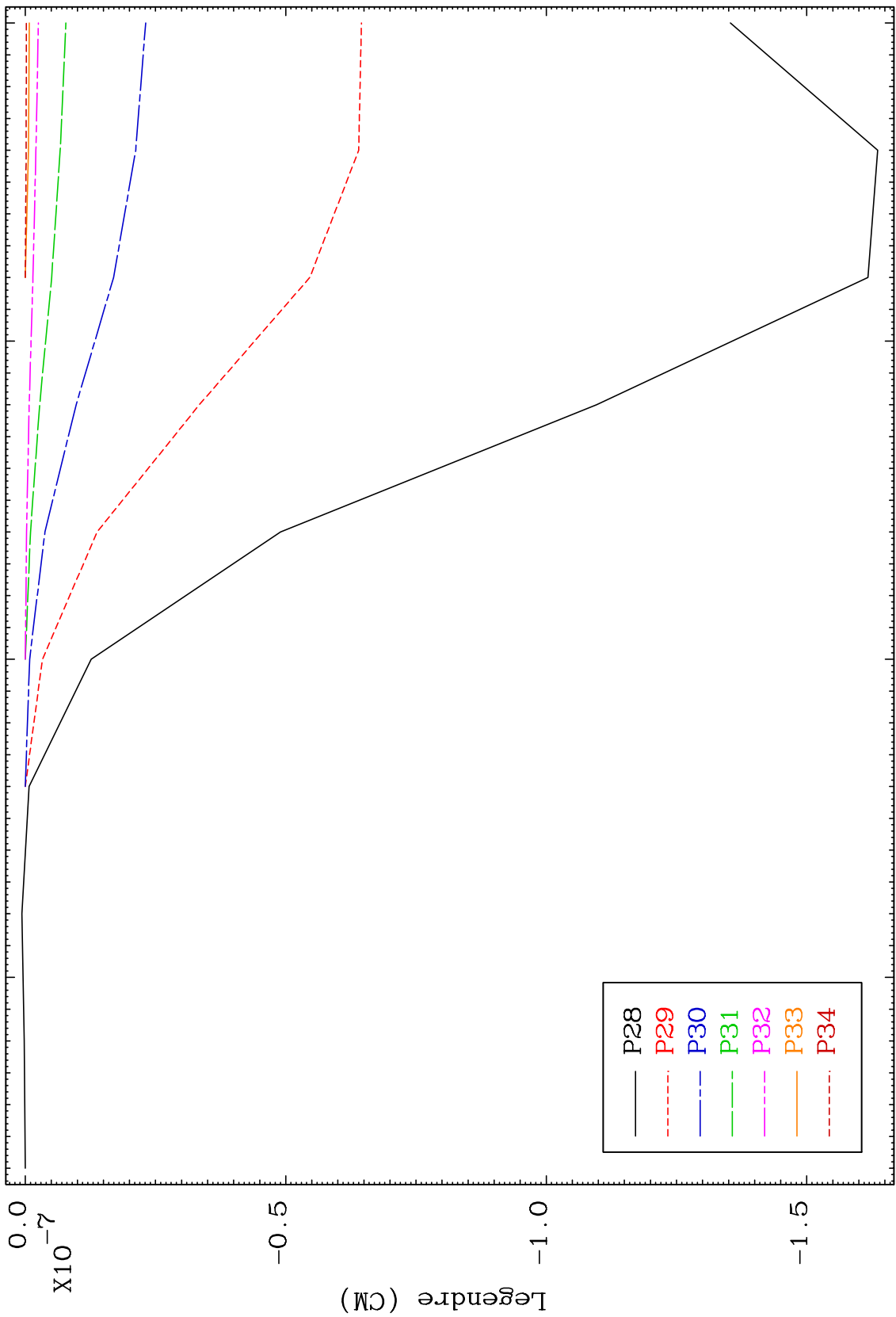
<sup>34</sup>Se-78



MAT 3437

<sup>34</sup>Se-78

Elastic Legendre Coefficients



Legendre (CM)  
X10<sup>-7</sup>

30

25

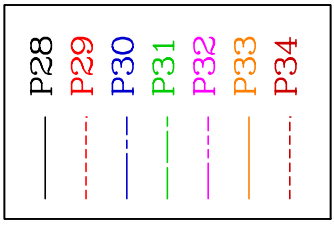
20

15

19

Incident Energy (MeV)

<sup>34</sup>Se-78

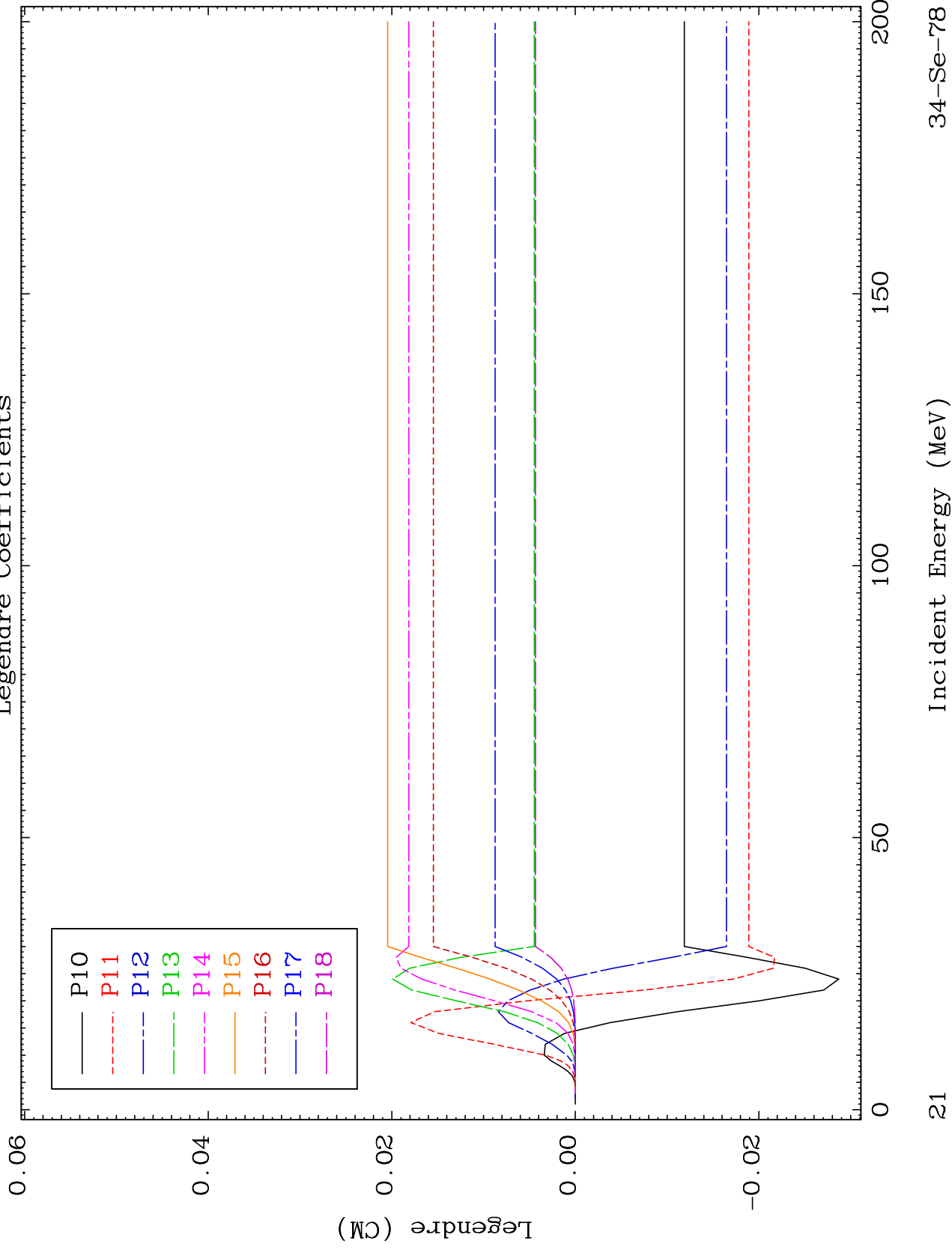




MAT 3437

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

<sup>34</sup>Se-78



21

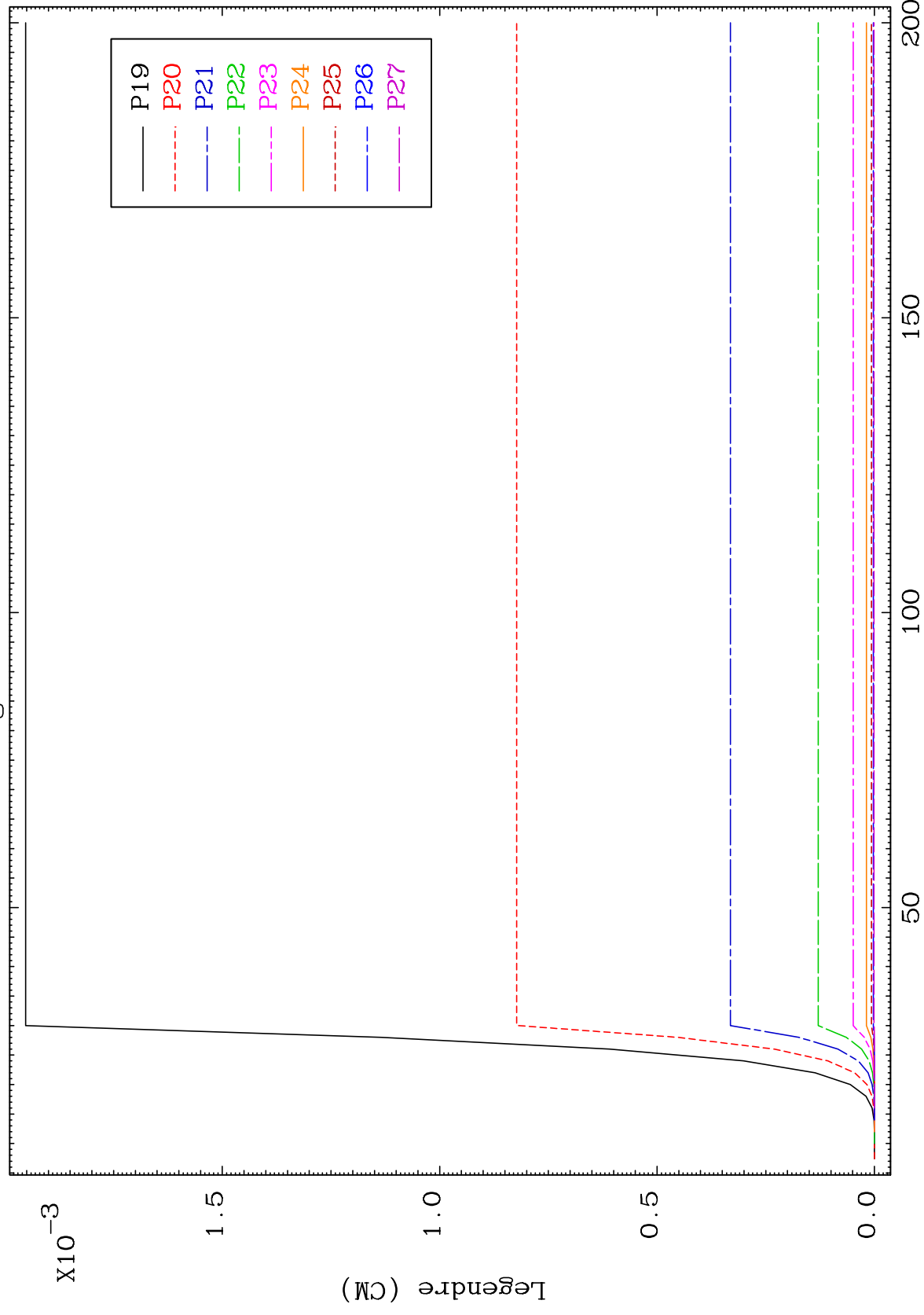
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

34-Se-78



22

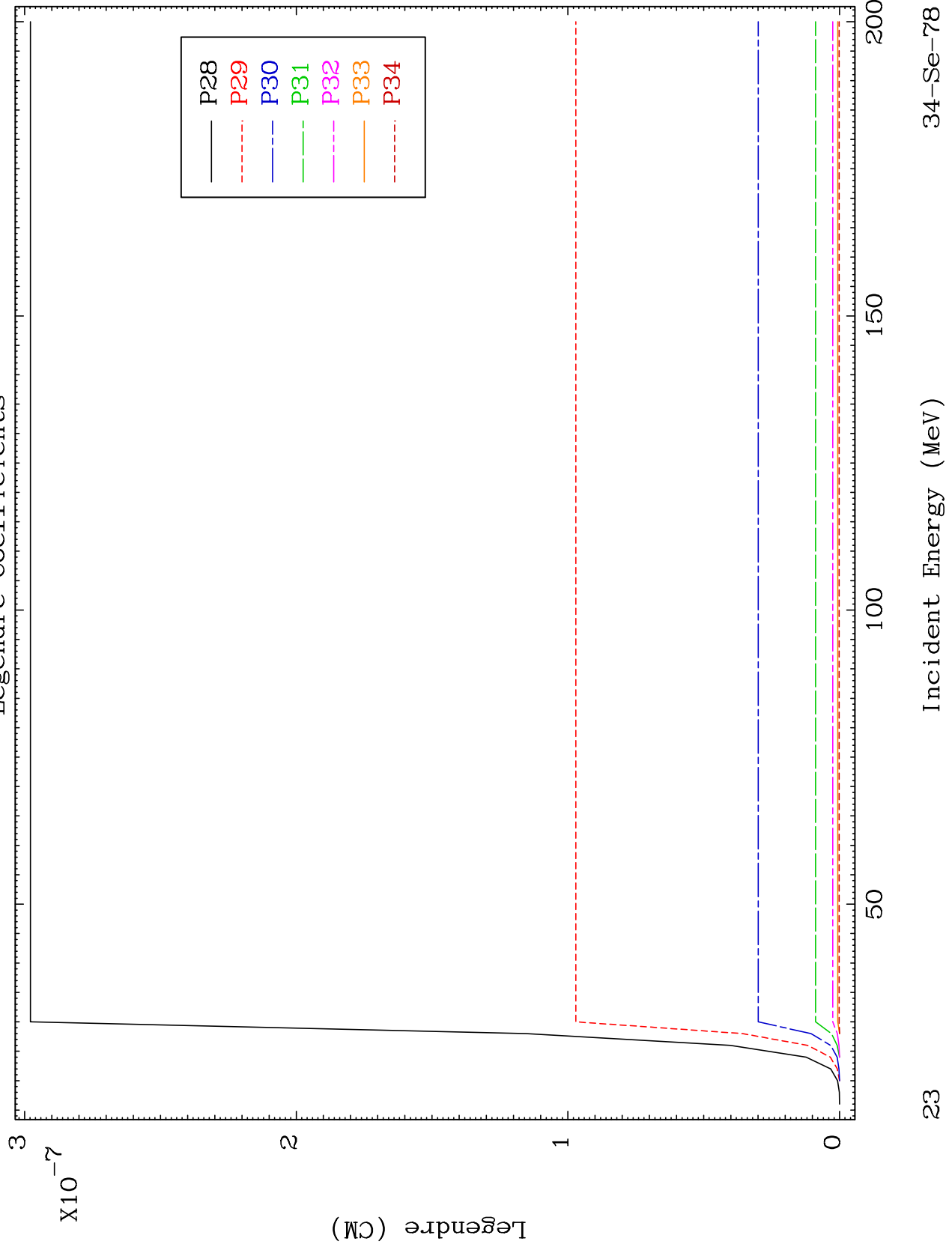
Incident Energy (MeV)

34-Se-78

MAT 3437

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

34-Se-78



23

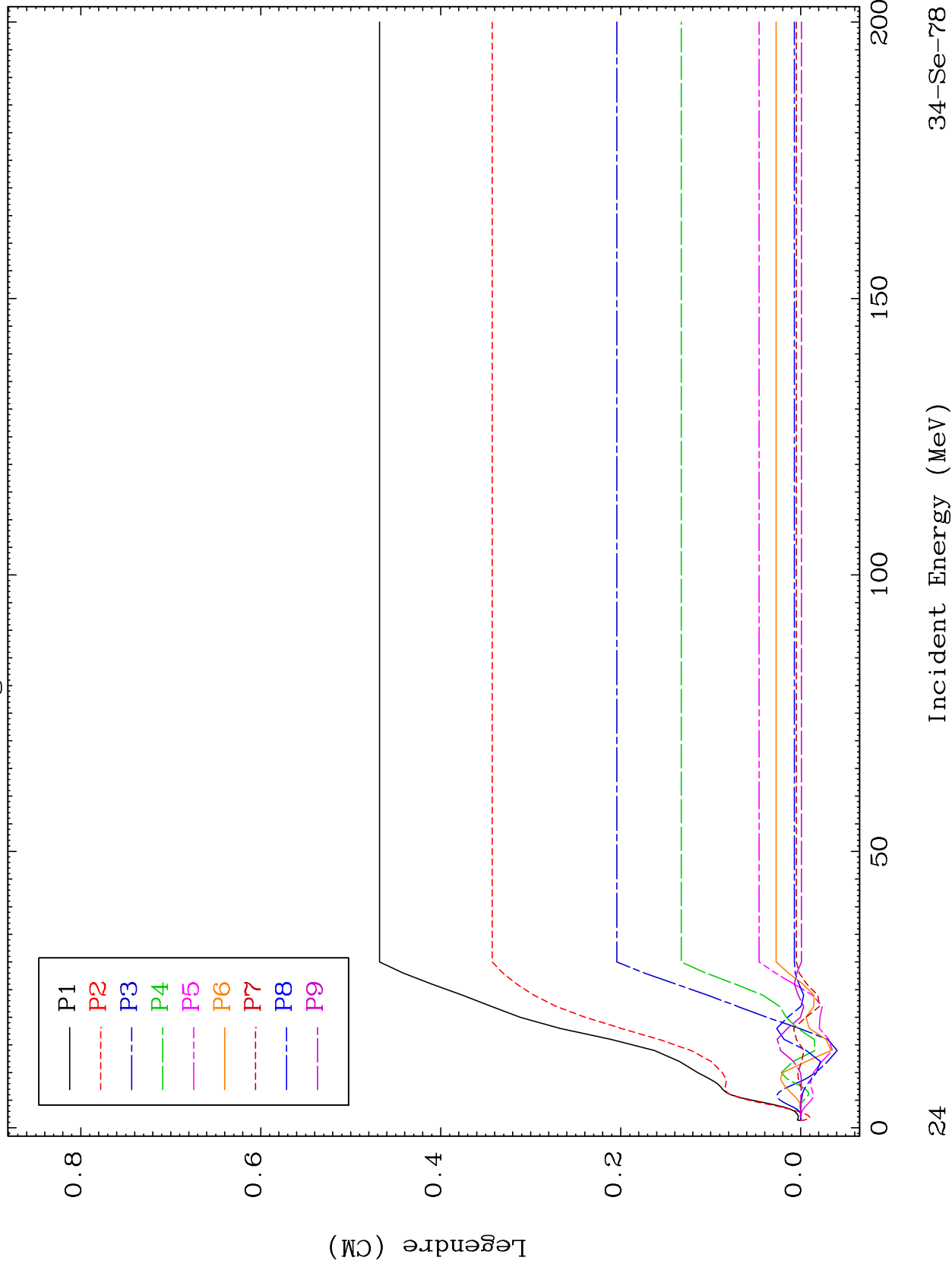
34-Se-78



MAT 3437

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

<sup>34</sup>Se-78



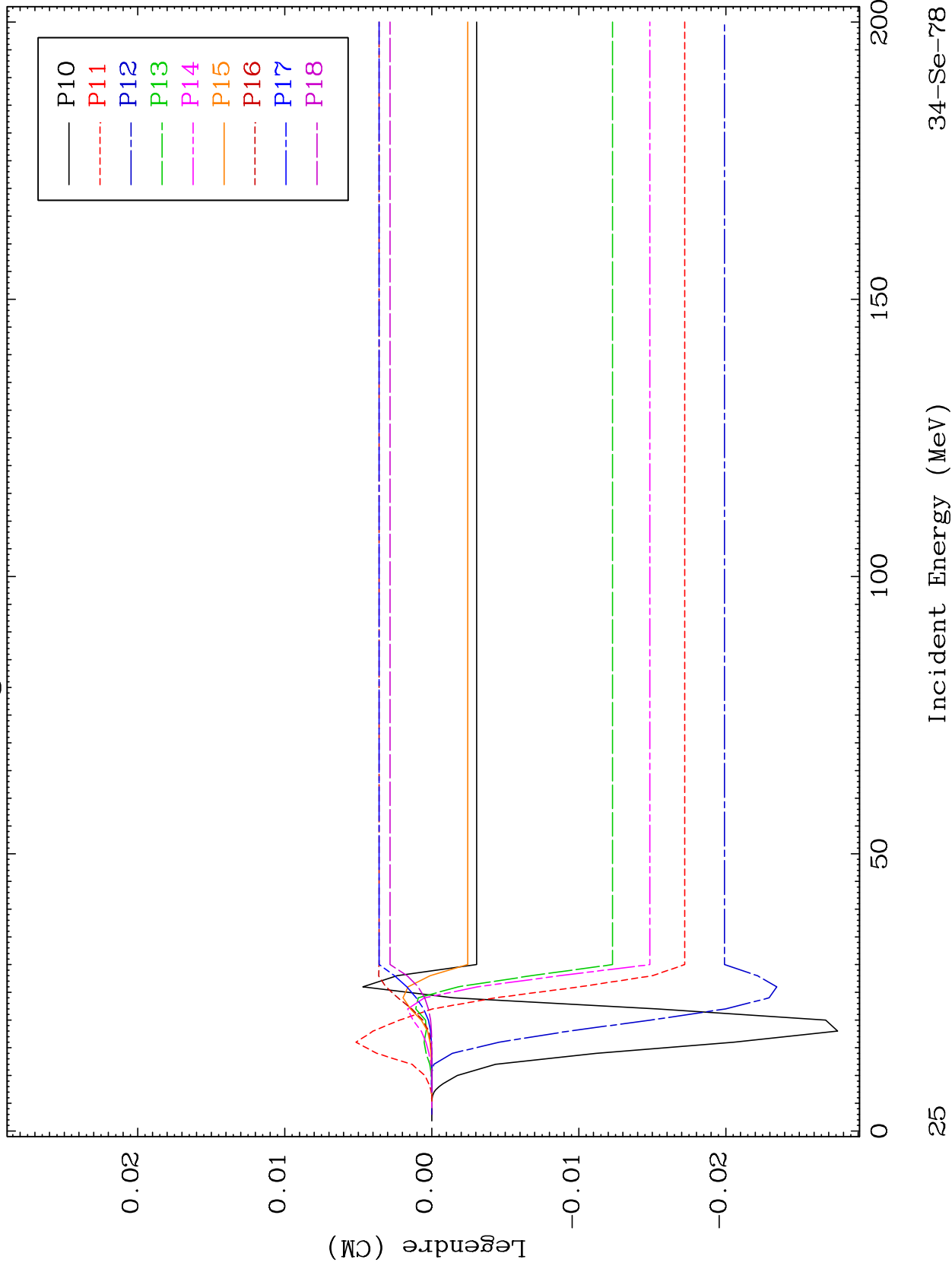
24

<sup>34</sup>Se-78

MAT 3437

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

<sup>34</sup>Se-78



<sup>34</sup>Se-78

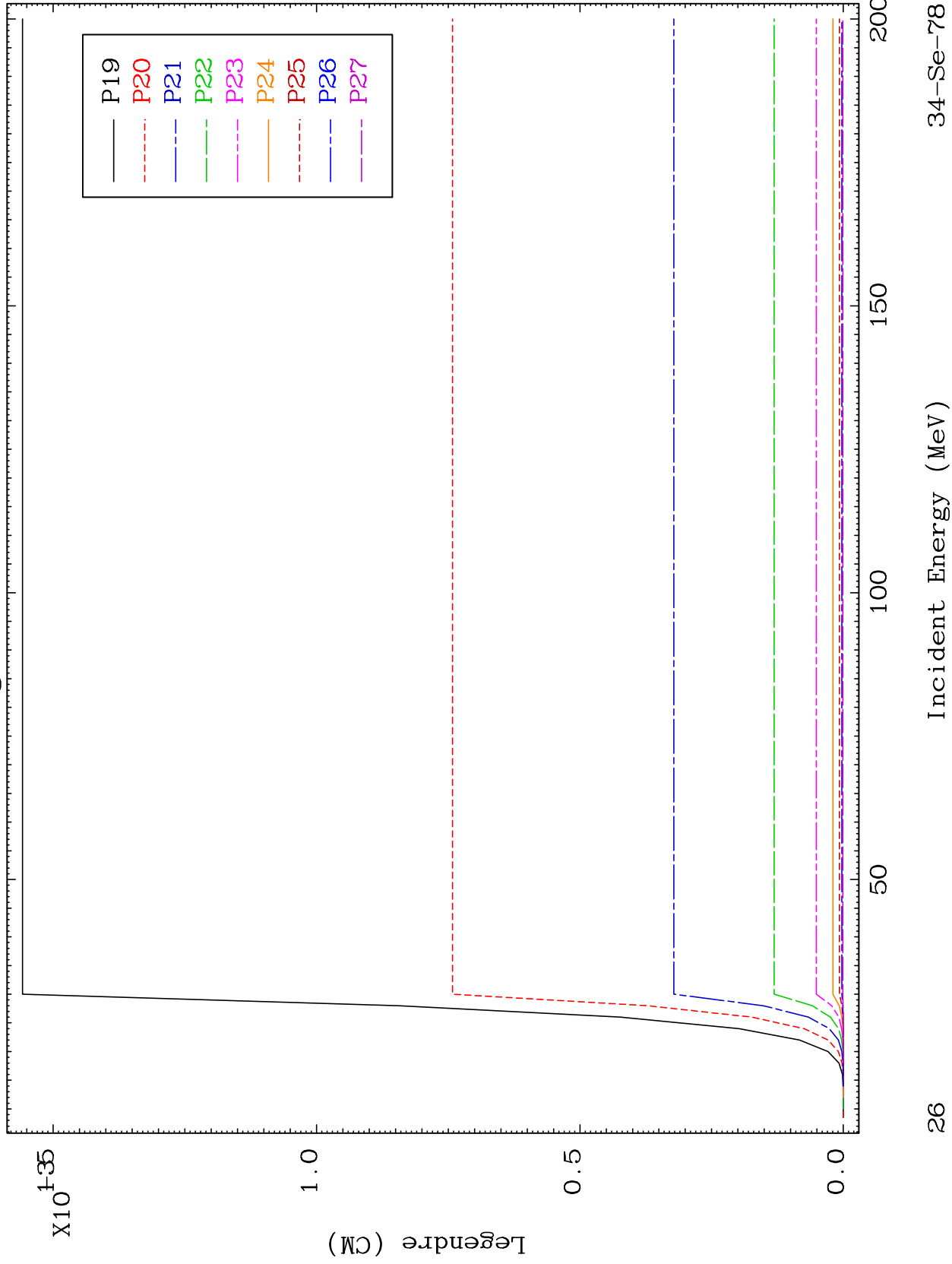
Incident Energy (MeV)

25

MAT 3437

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

<sup>34</sup>Se-78



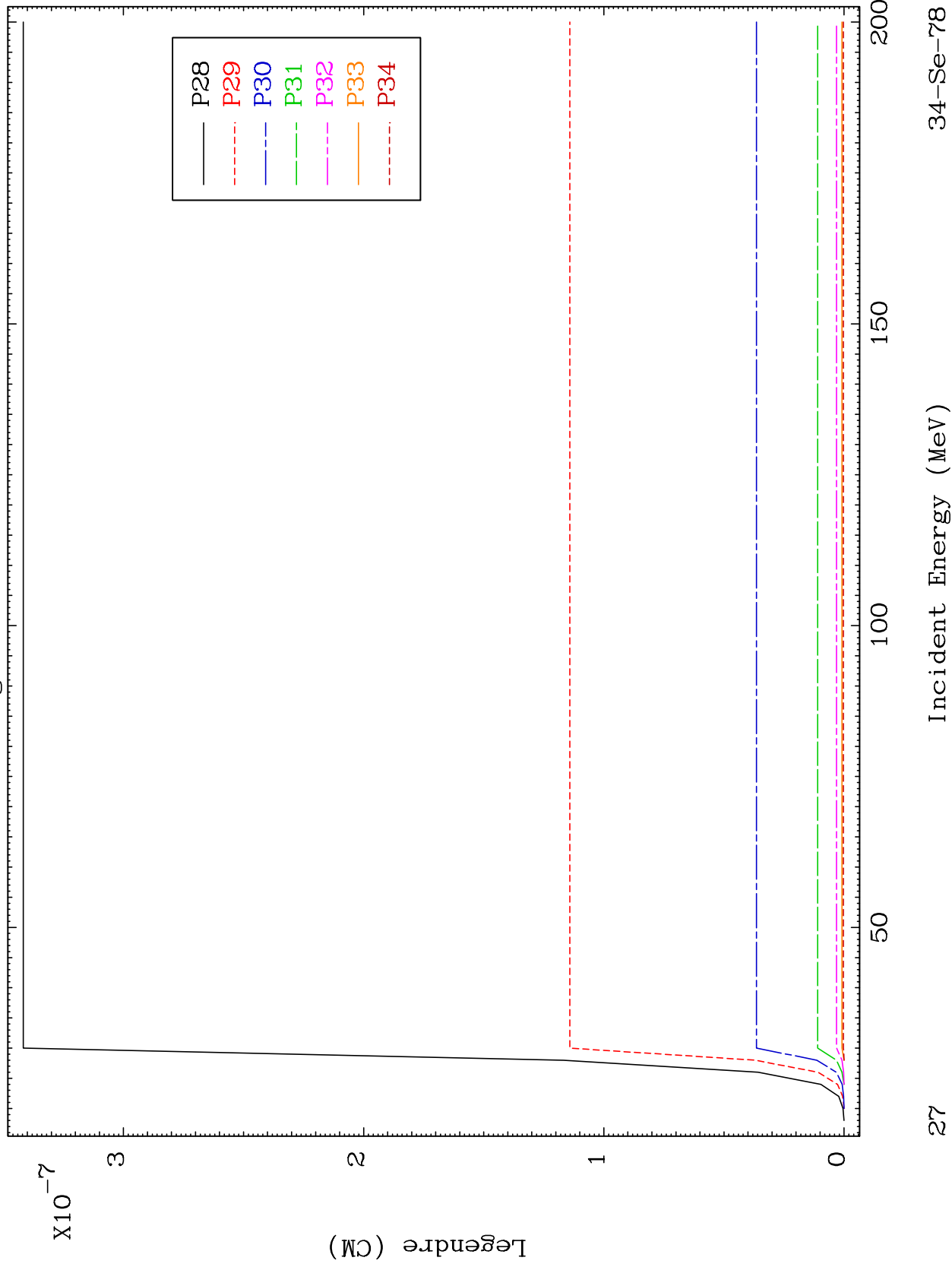
26

<sup>34</sup>Se-78

MAT 3437

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

<sup>34</sup>Se-78



27

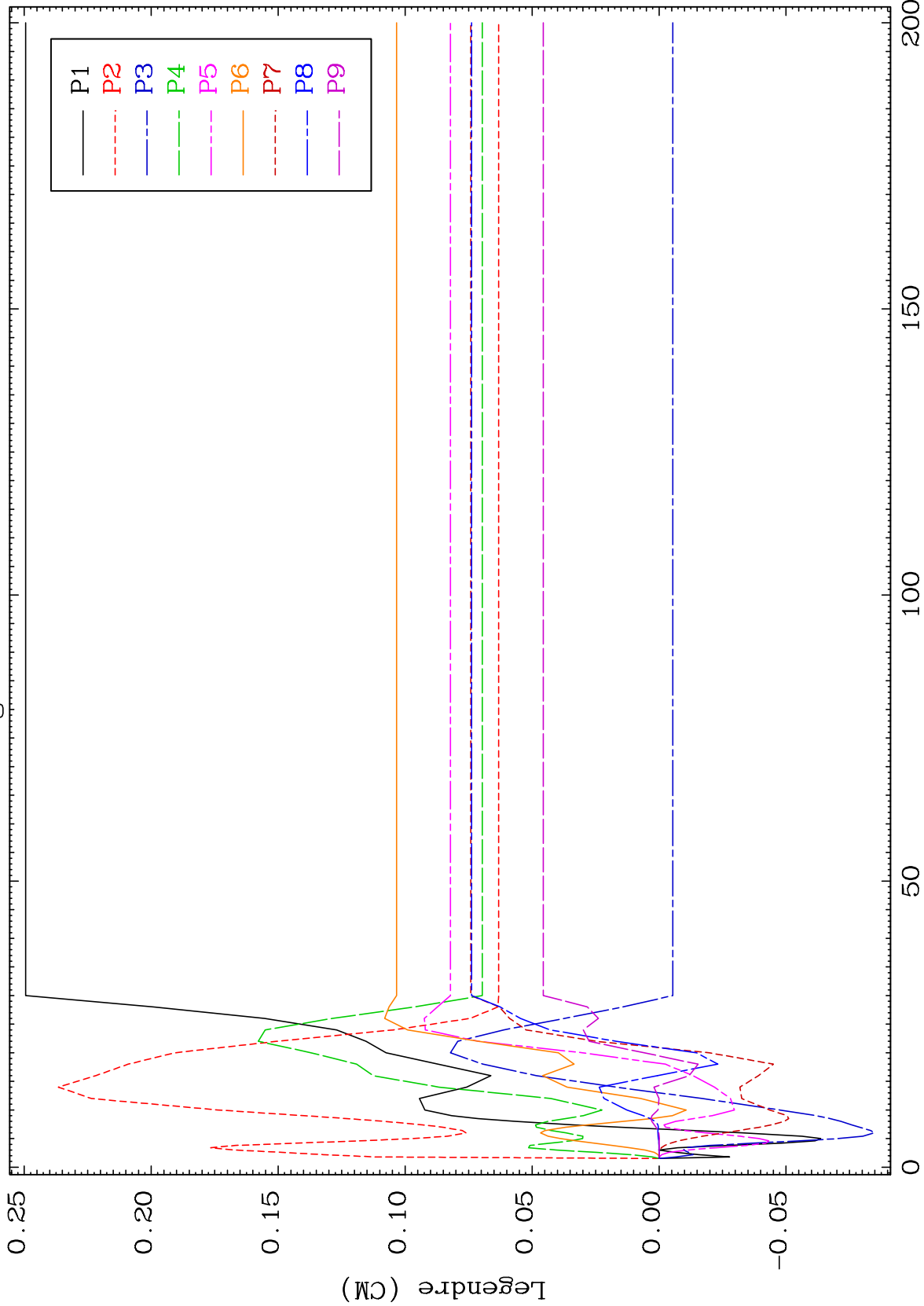
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

<sup>34</sup>Se-78



28

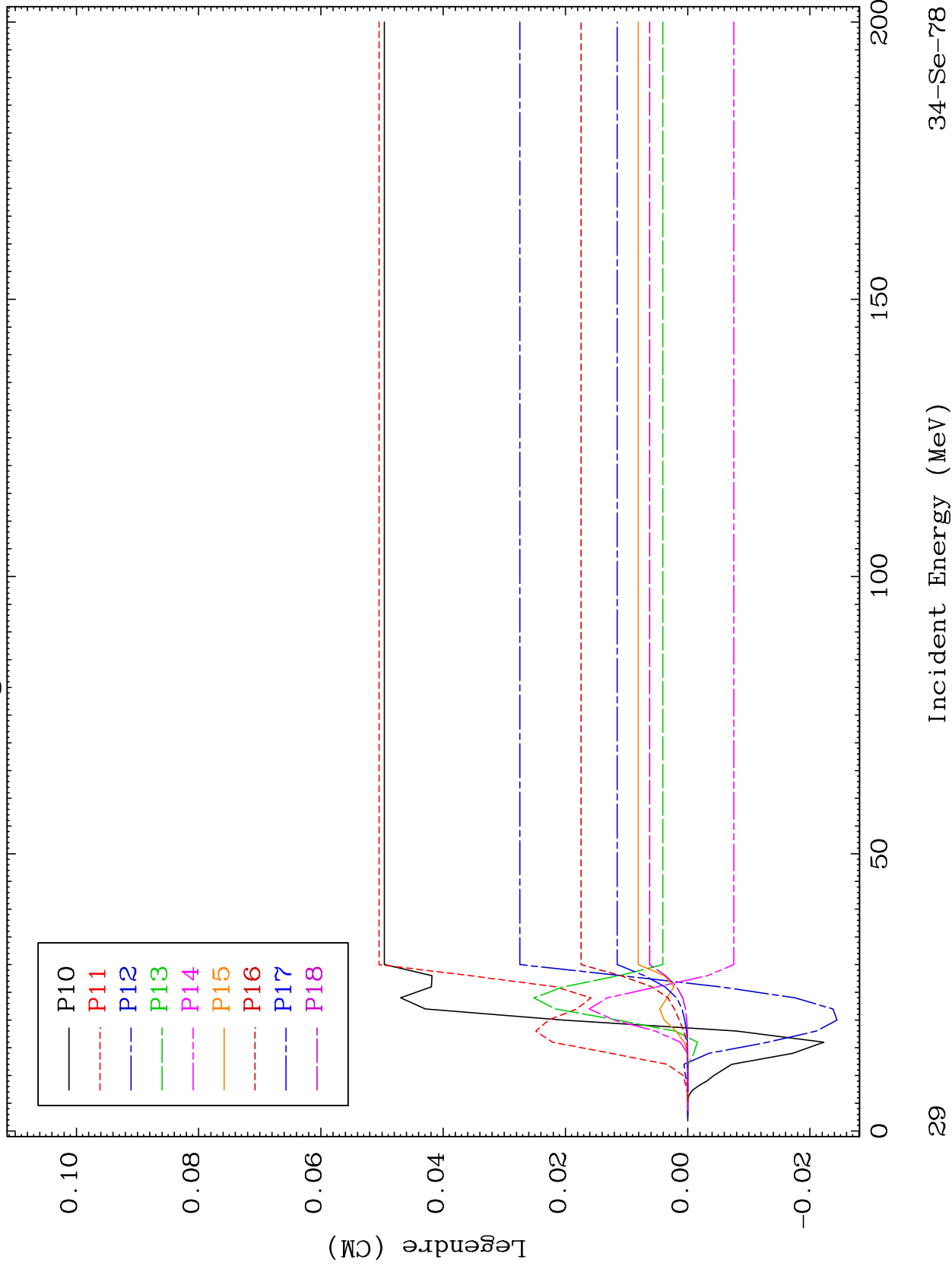
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

34-<sup>Se</sup>-78



29

Incident Energy (MeV)

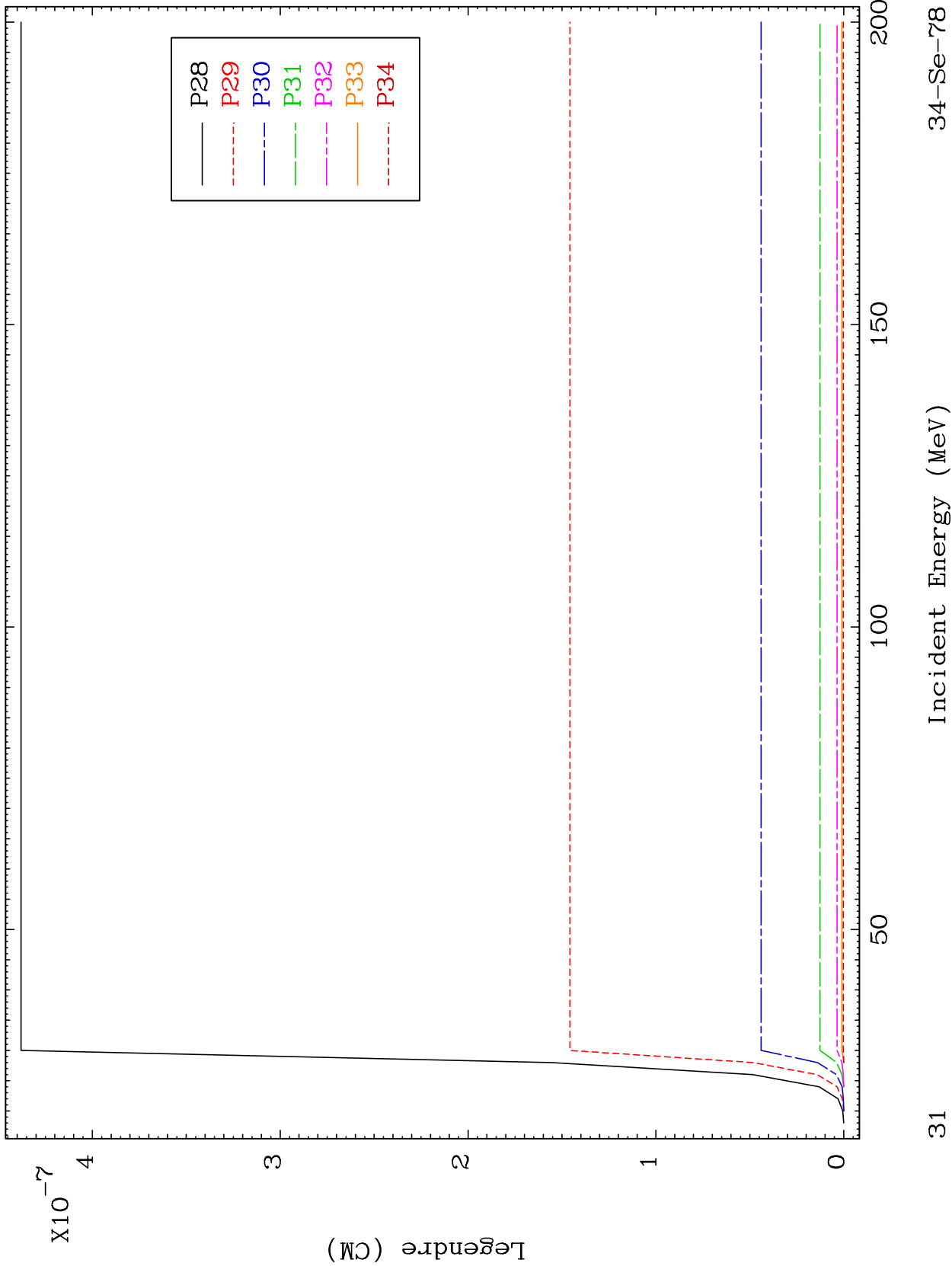
34-<sup>Se</sup>-78



MAT 3437

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

<sup>34</sup>Se-78



31

Incident Energy (MeV)

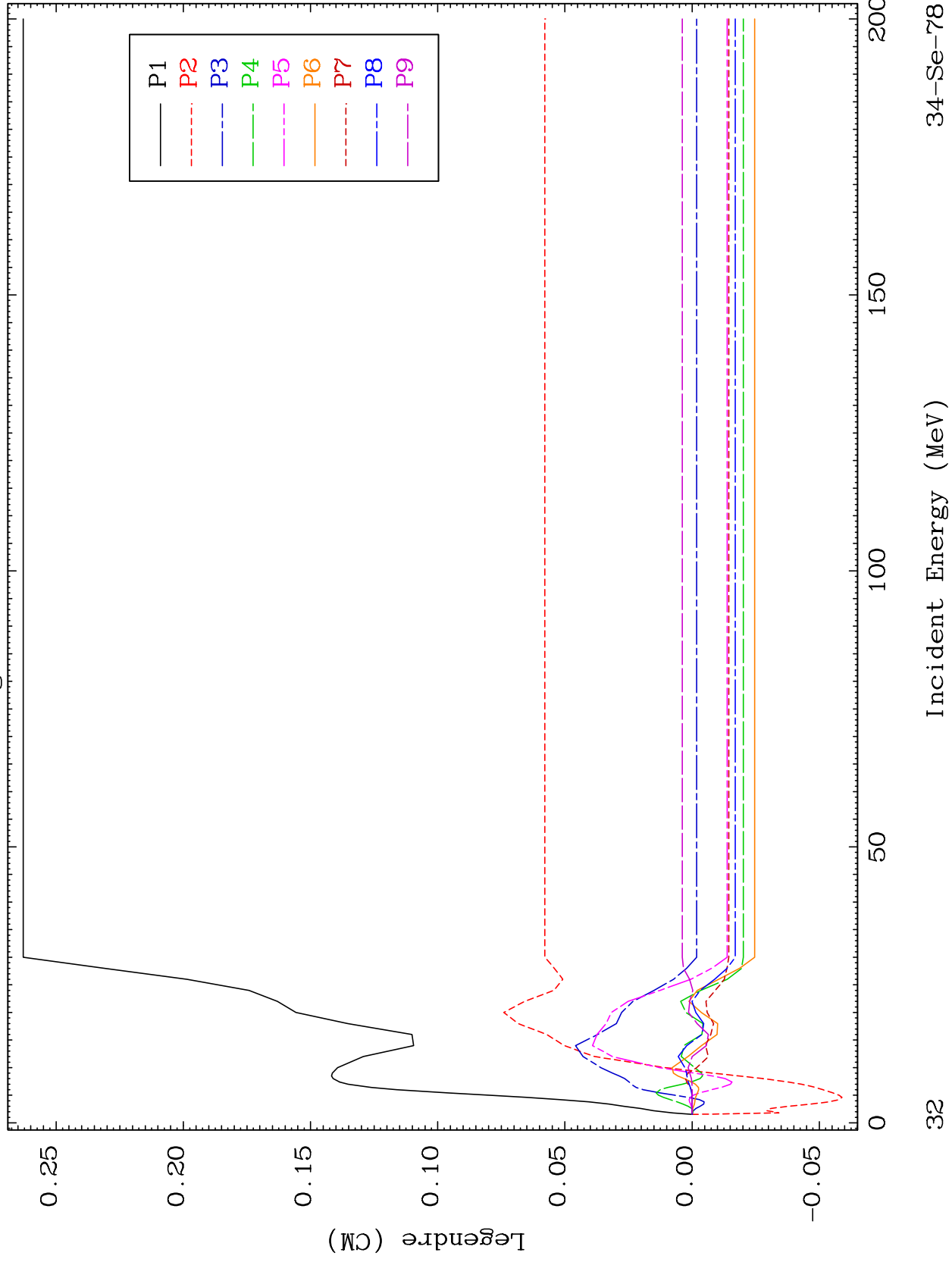
<sup>34</sup>Se-78



MAT 3437

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

<sup>34</sup>Se-78



<sup>34</sup>Se-78

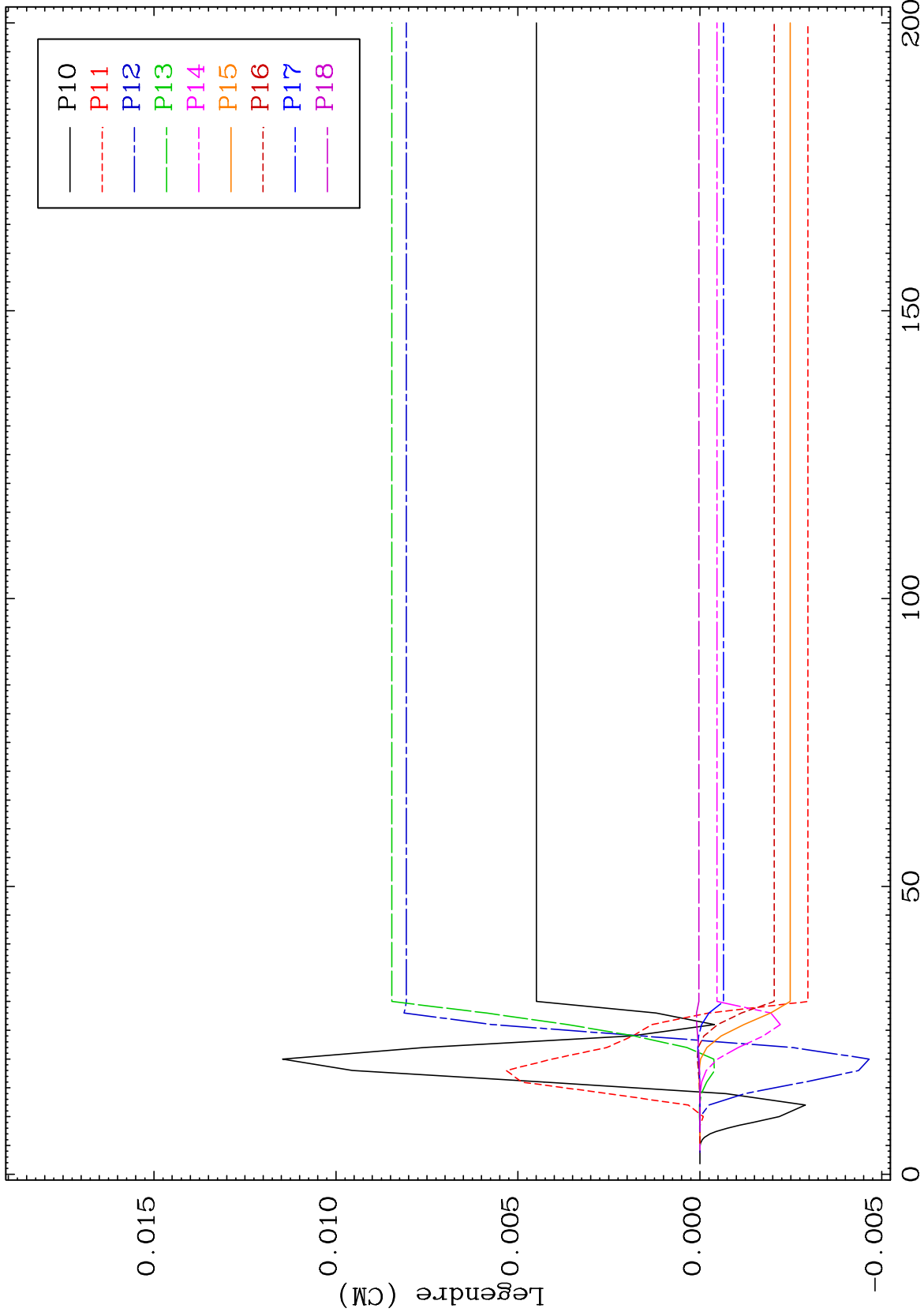
Incident Energy (MeV)

32

MAT 3437

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

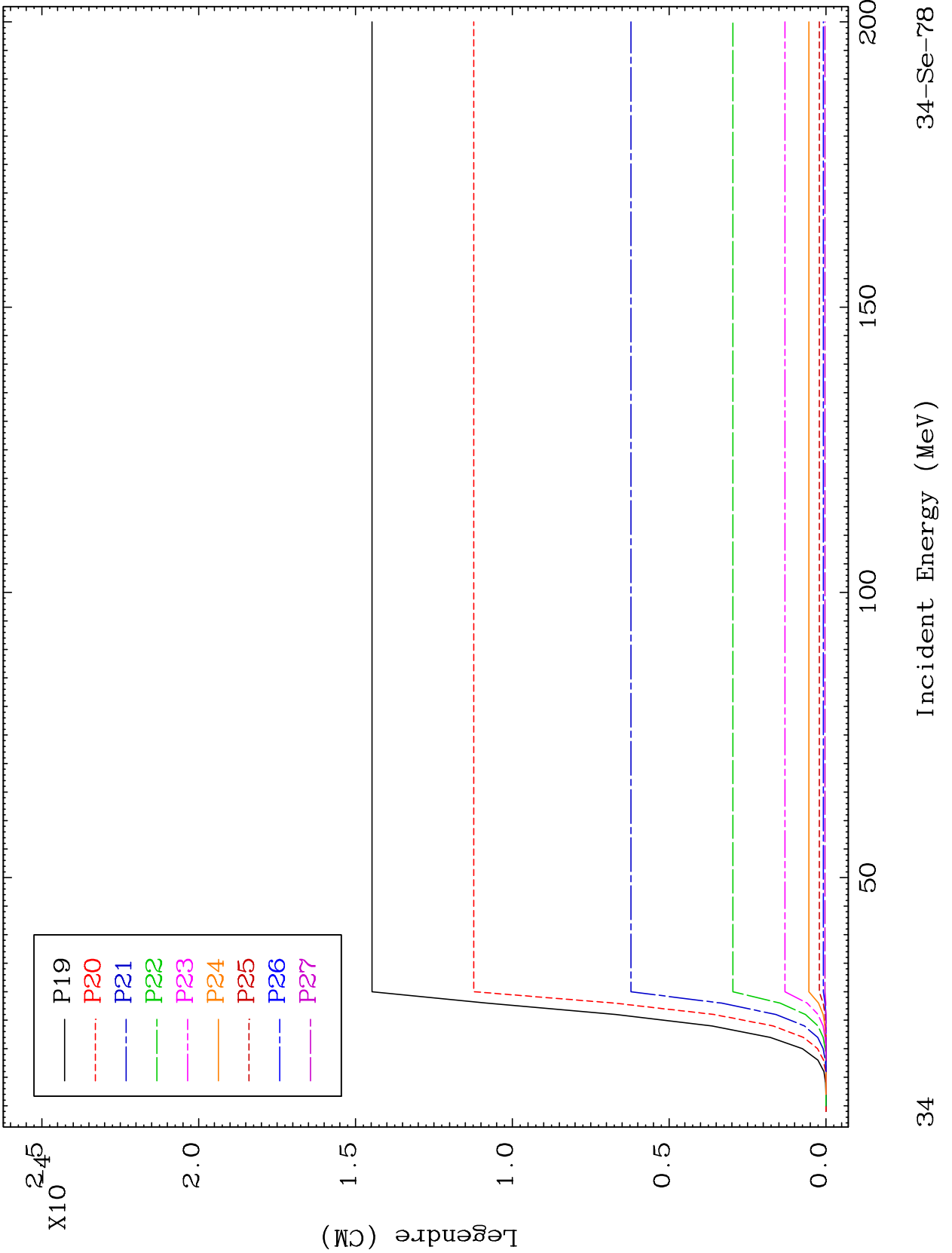
34-Se-78

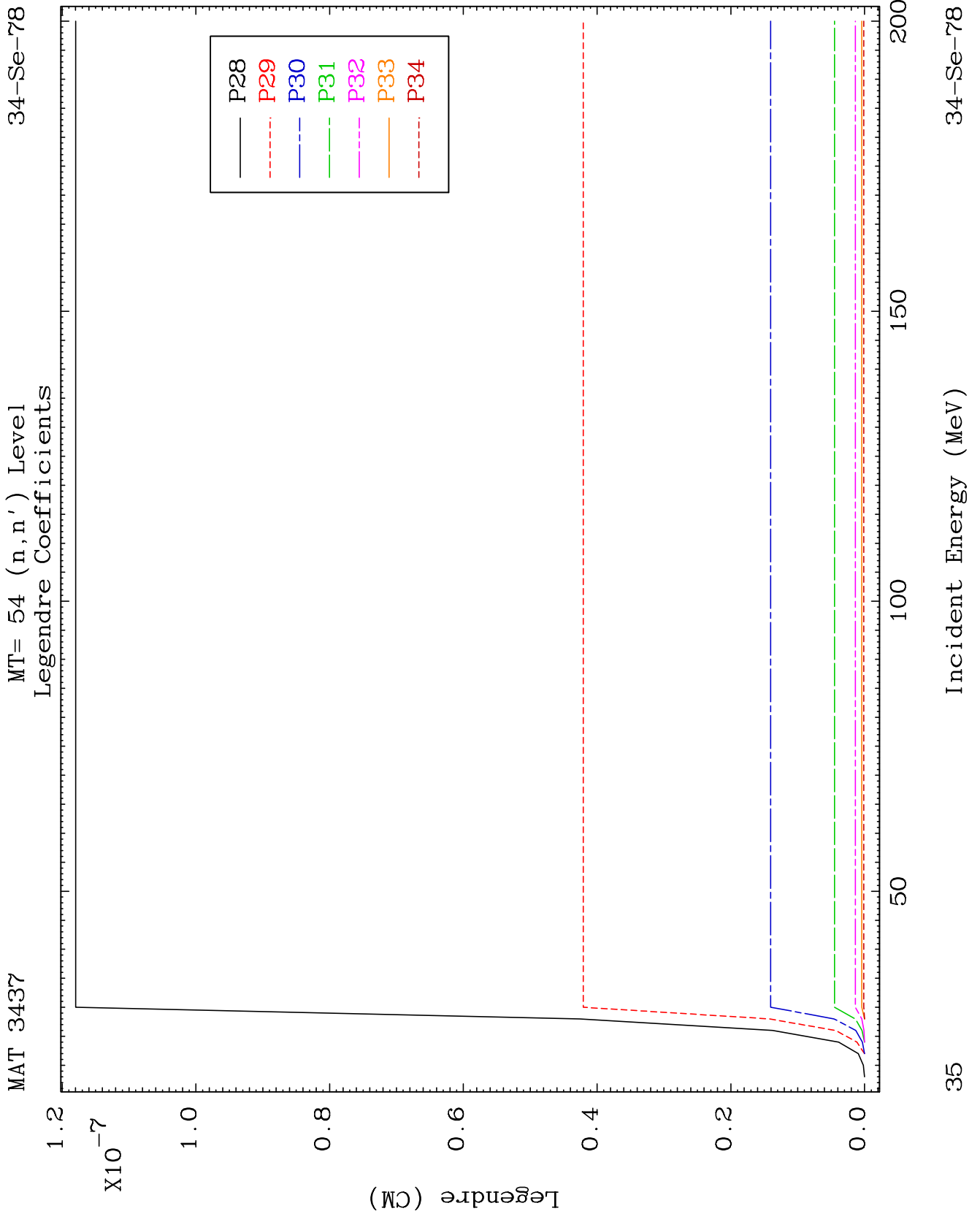


33

Incident Energy (MeV)

34-Se-78

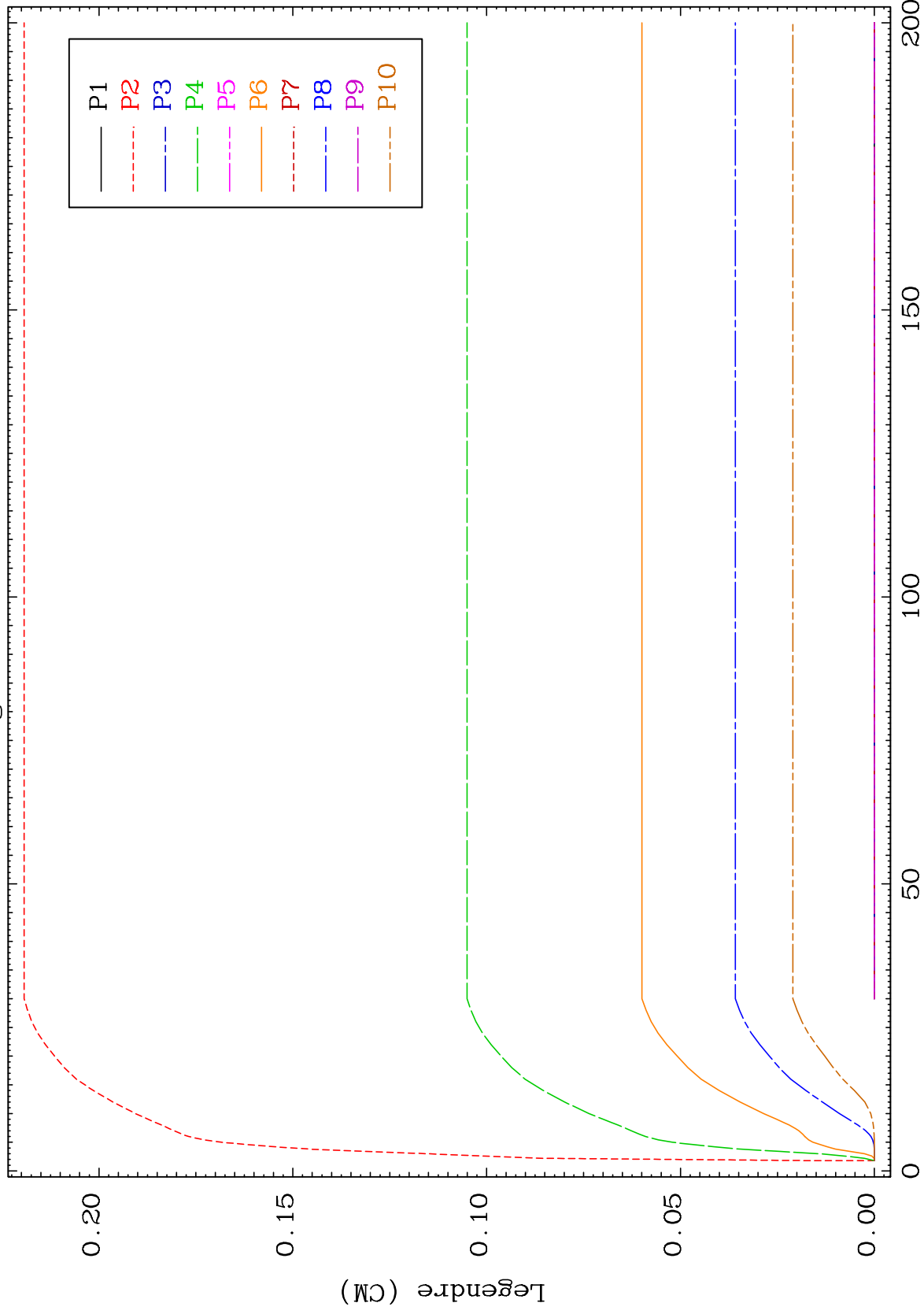




MAT 3437

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

<sup>34</sup>Se-78



36

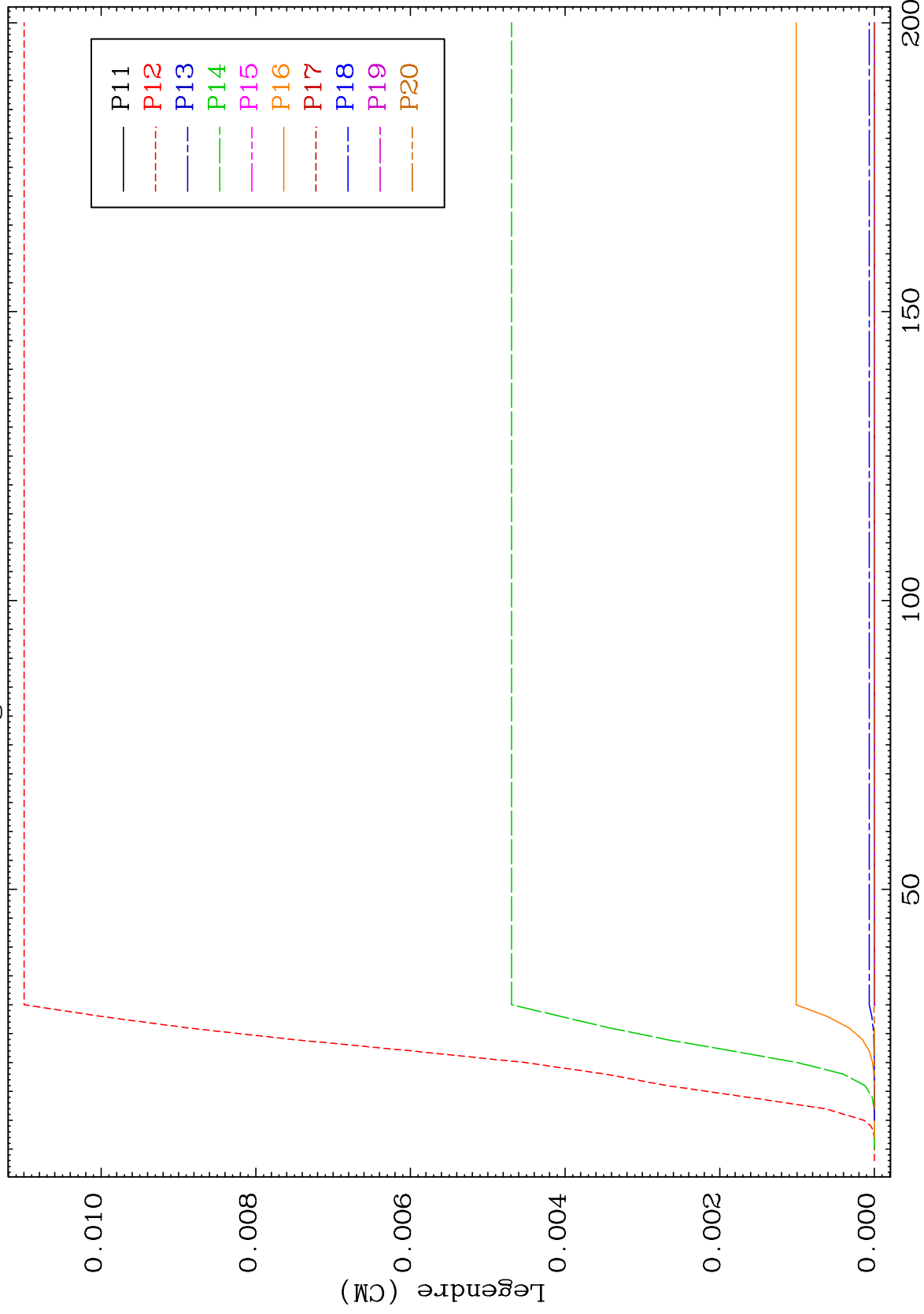
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

34-Se-78



37

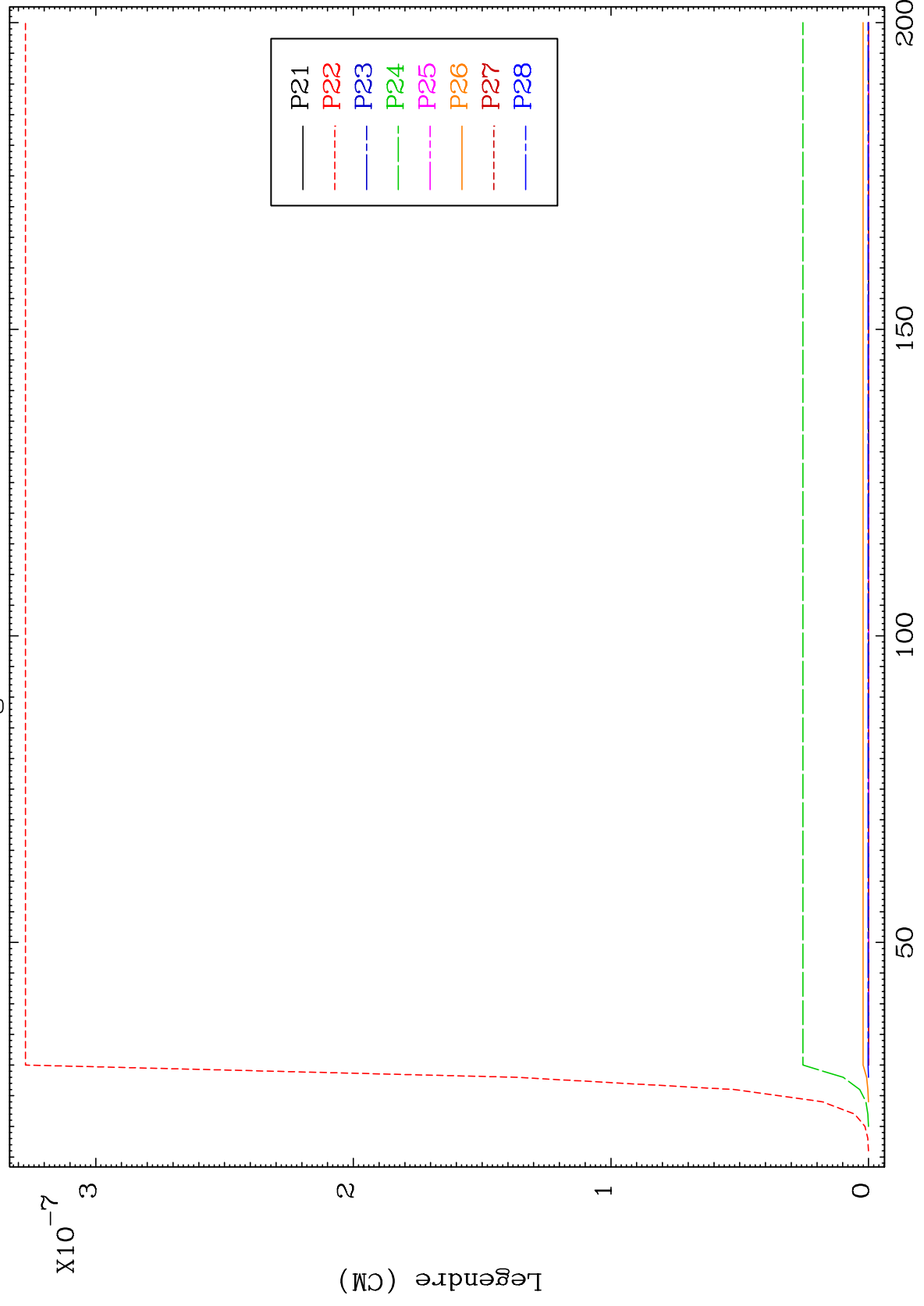
Incident Energy (MeV)

34-Se-78

MAT 3437

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

34-Se-78



38

Incident Energy (MeV)

34-Se-78

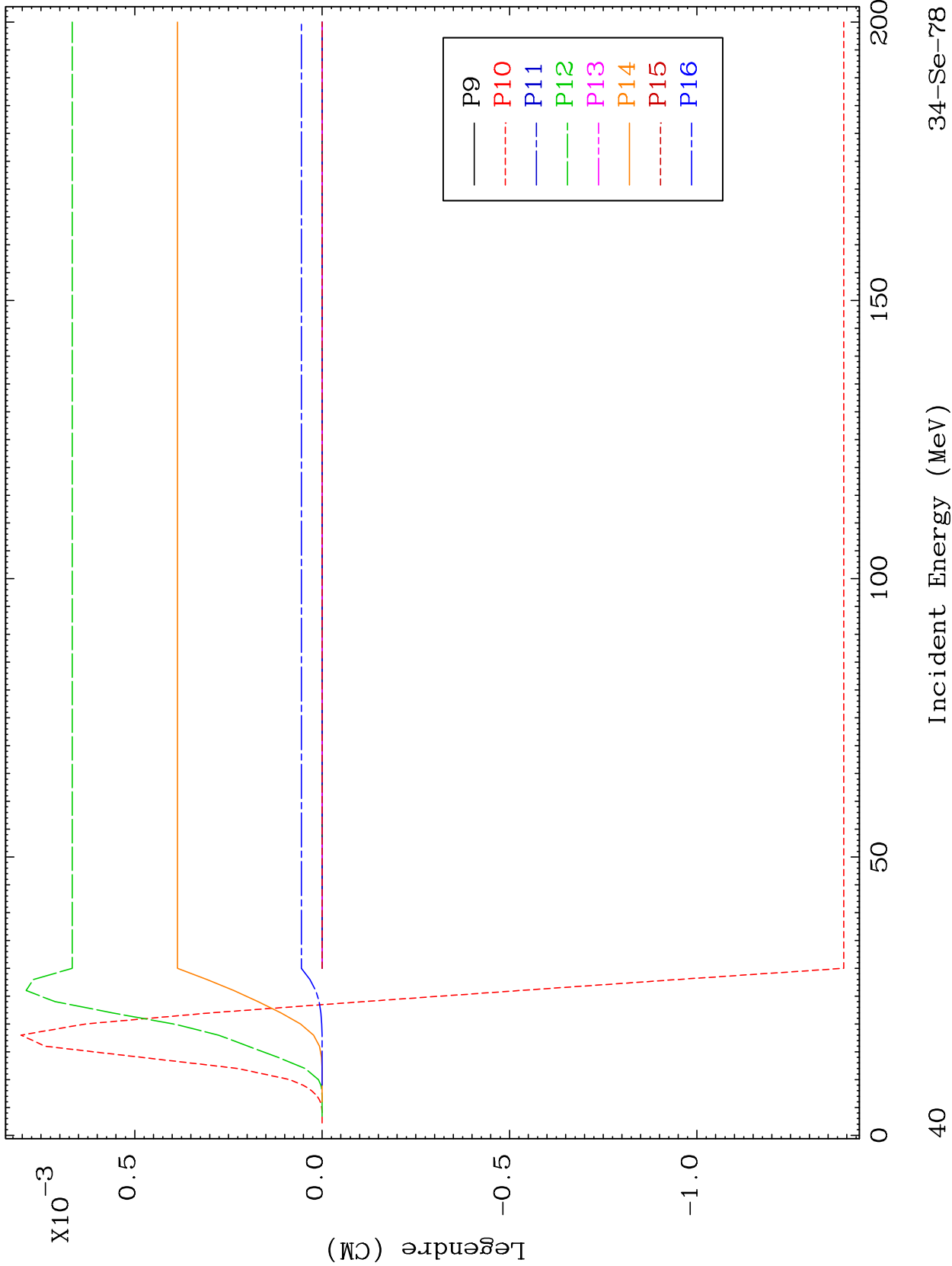




MAT 3437

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

<sup>34</sup>Se-78

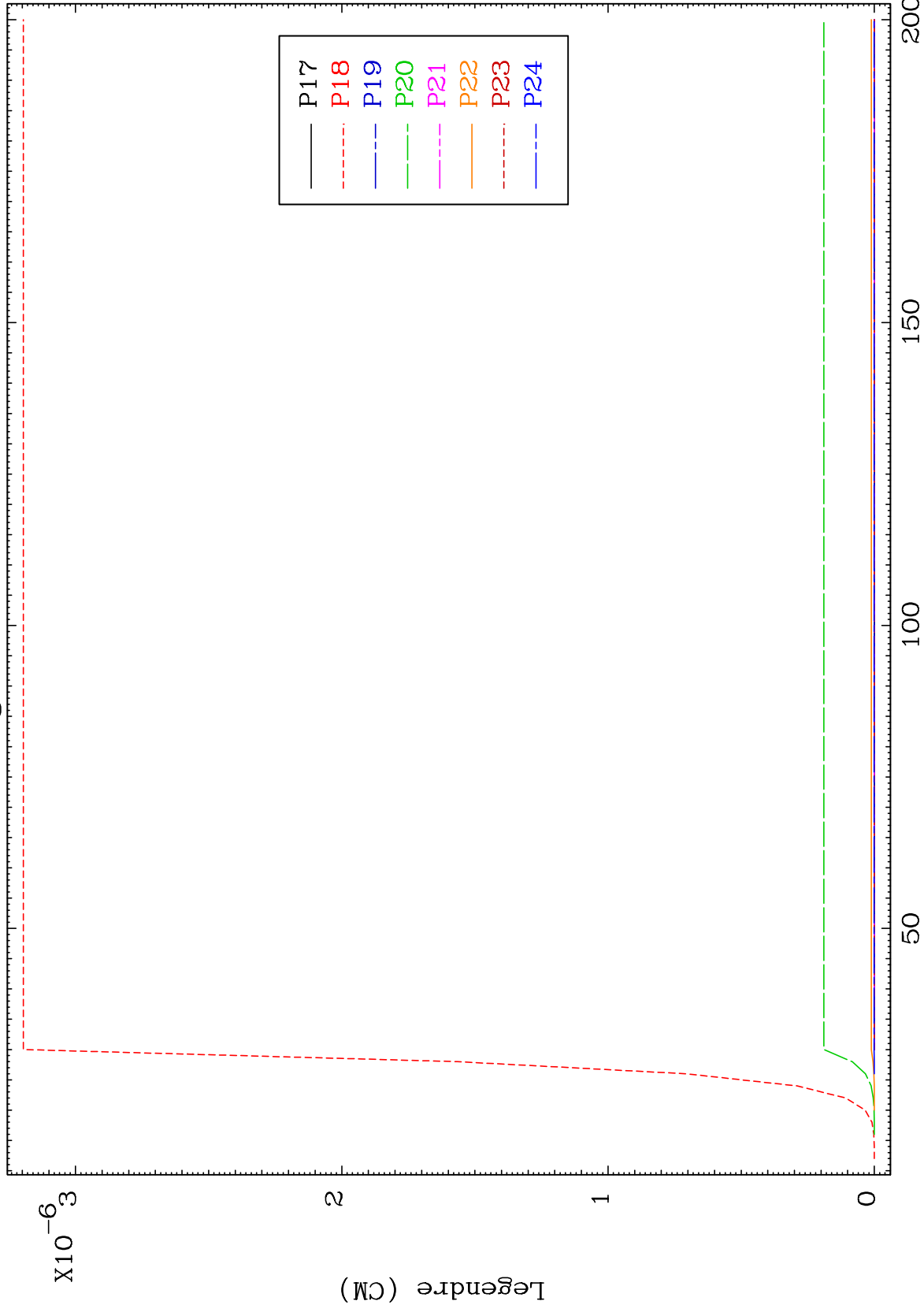


<sup>34</sup>Se-78

MAT 3437

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

34-Se-78



41

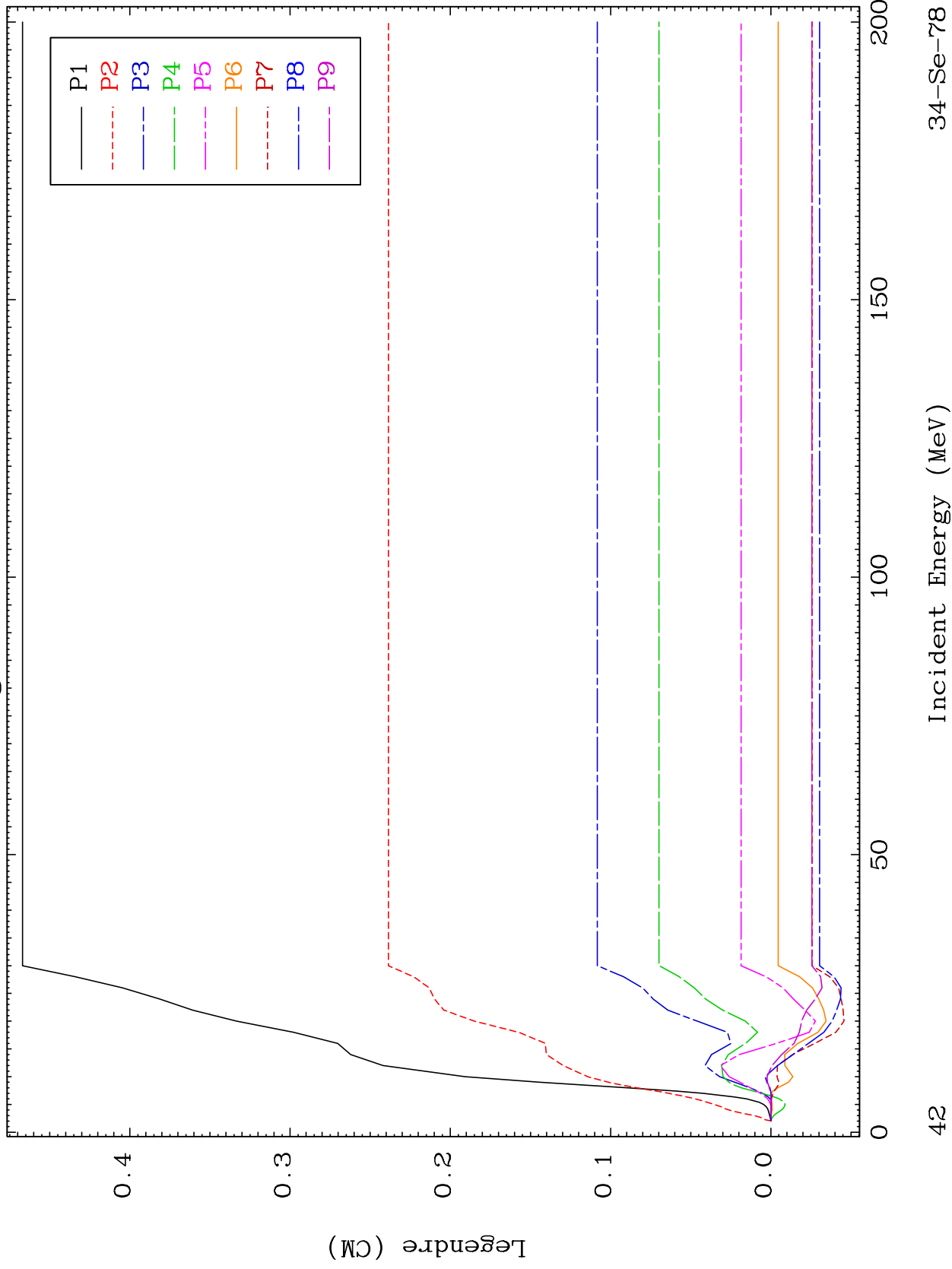
Incident Energy (MeV)

34-Se-78

MAT 3437

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

<sup>34</sup>Se-78



42

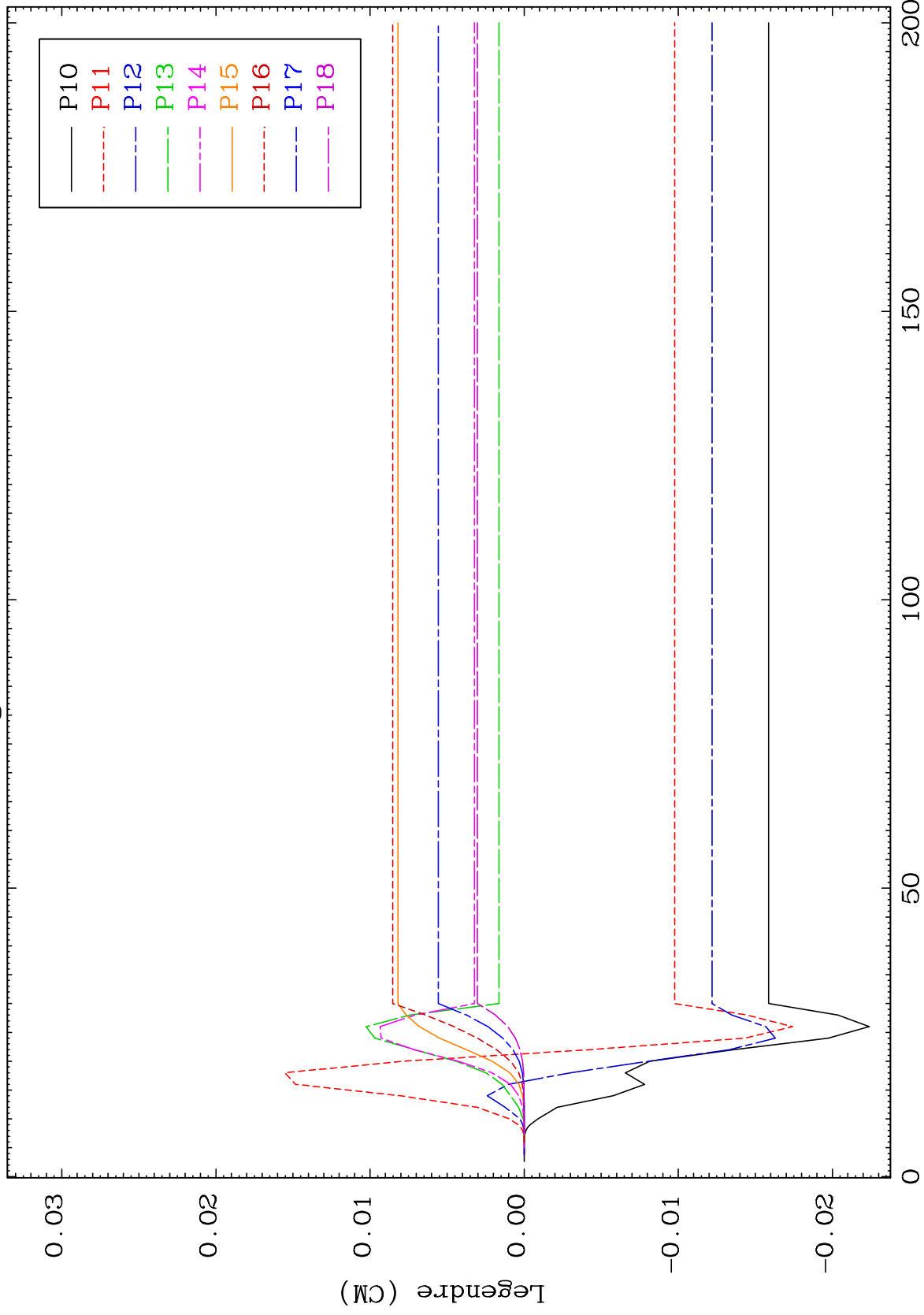
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

34-Se-78



43

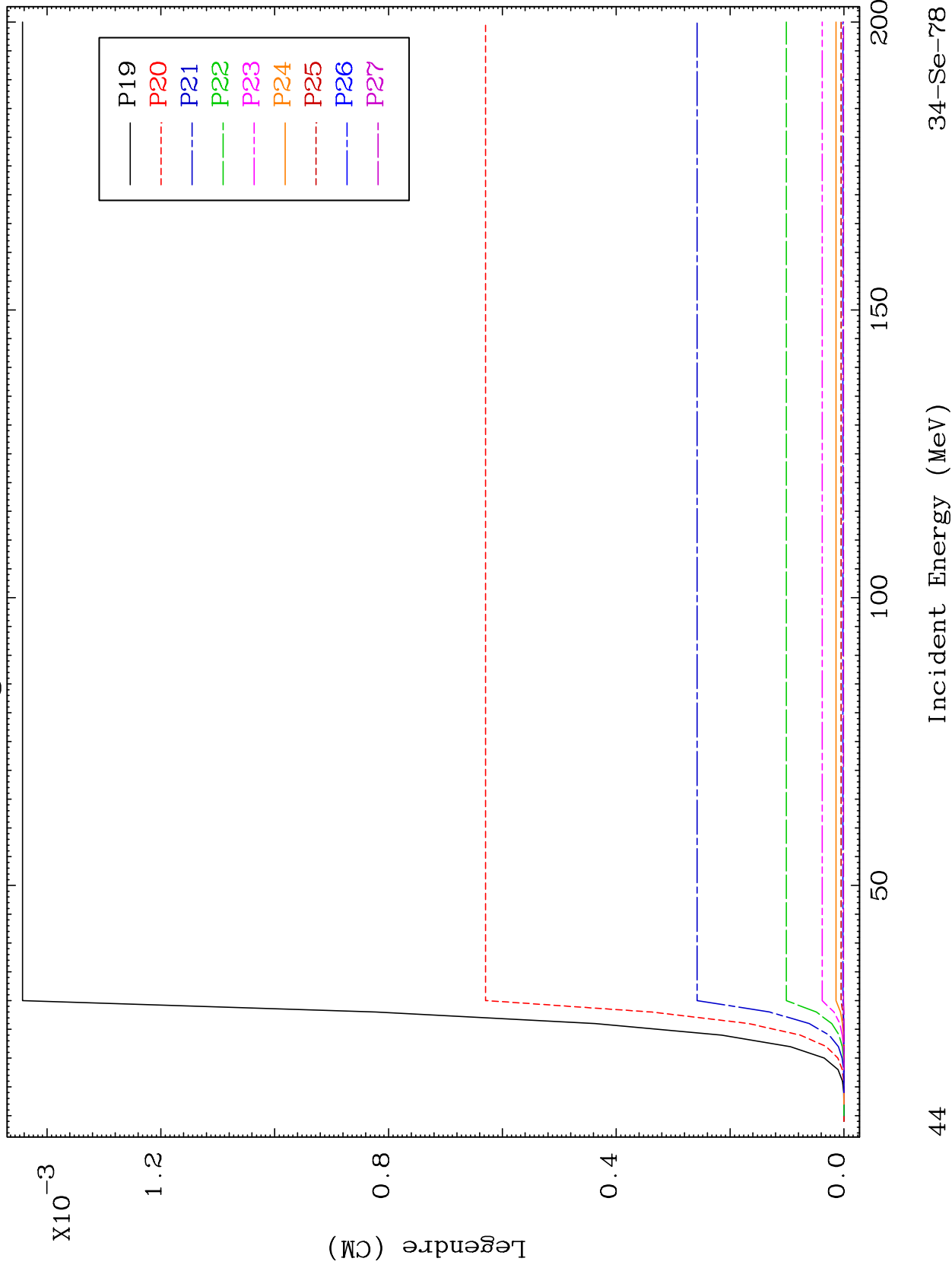
Incident Energy (MeV)

34-Se-78

MAT 3437

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

34-Se-78



44

Incident Energy (MeV)

34-Se-78

200

150

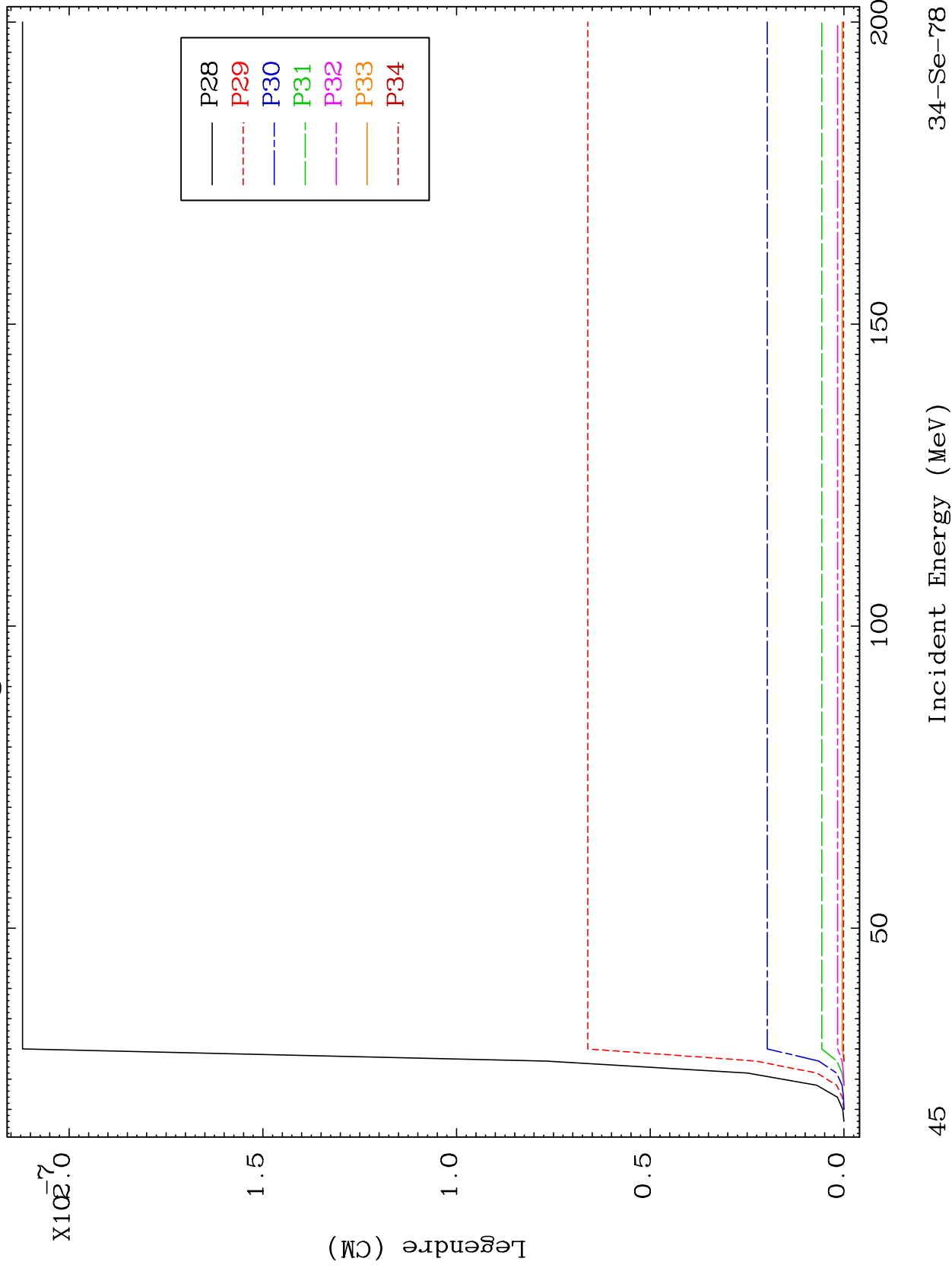
100

50

MAT 3437

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

34-Se-78



45

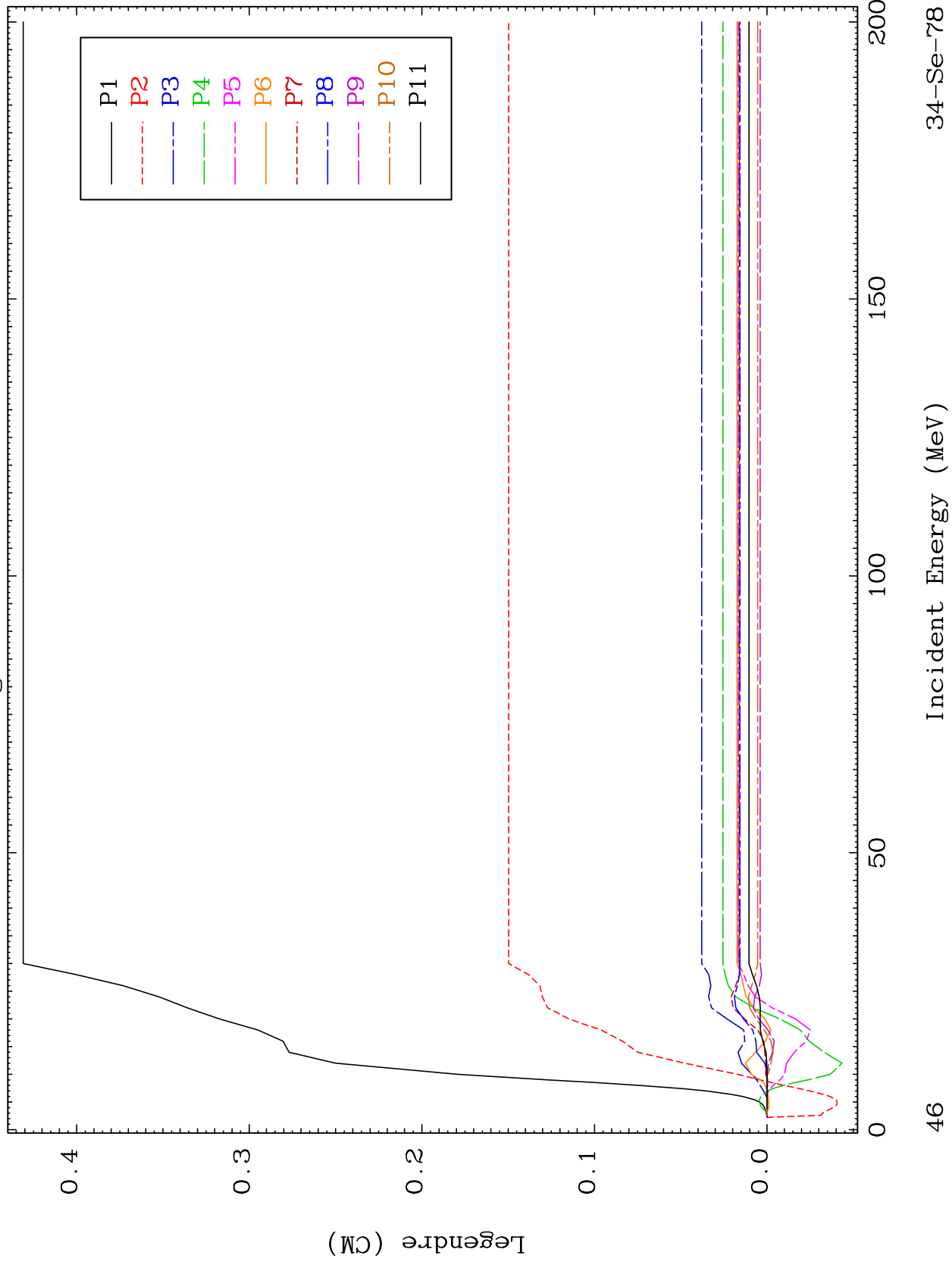
Incident Energy (MeV)

34-Se-78

MAT 3437

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

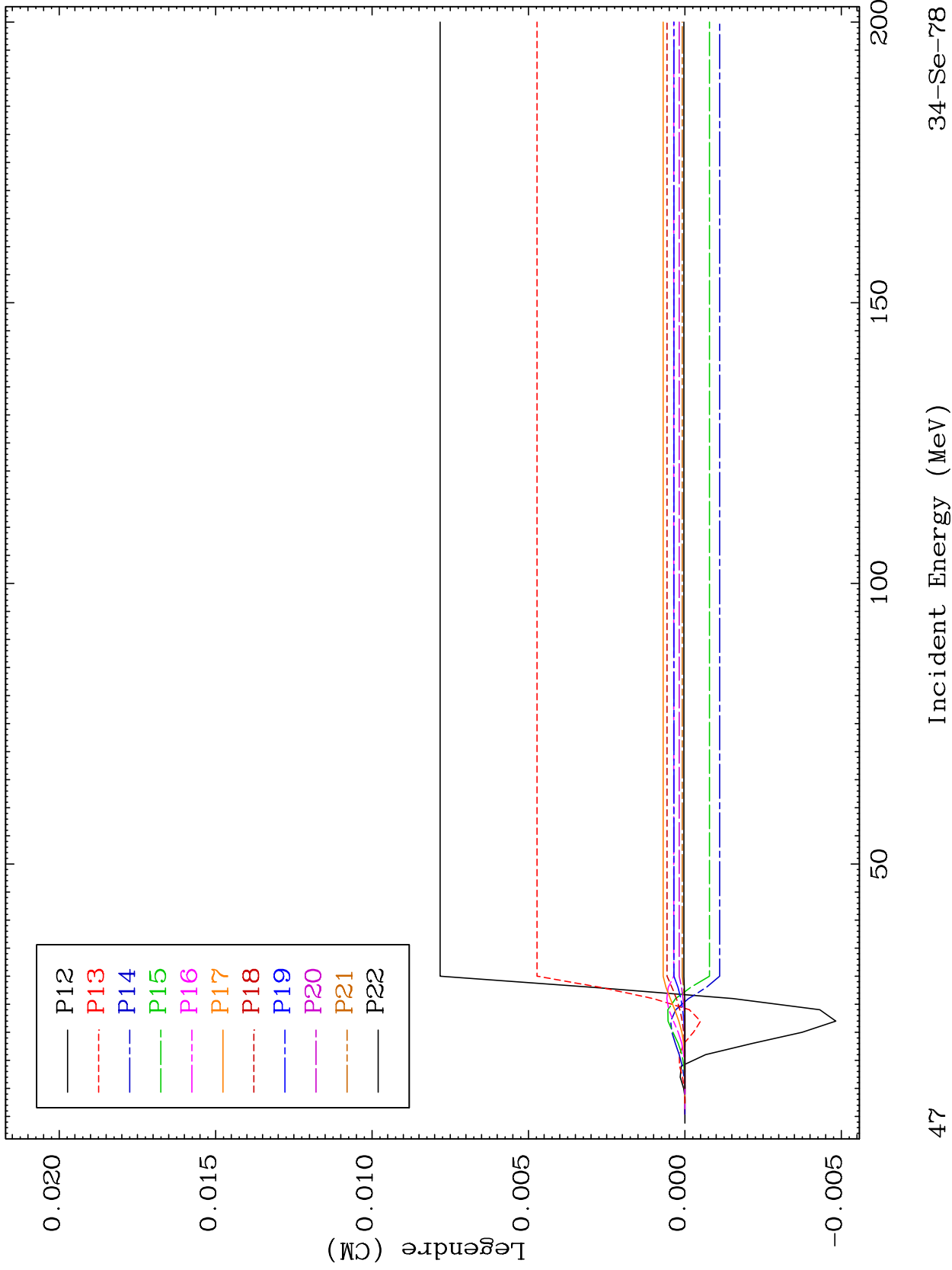
<sup>34</sup>Se-78



MAT 3437

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

34-Se-78



47

Incident Energy (MeV)

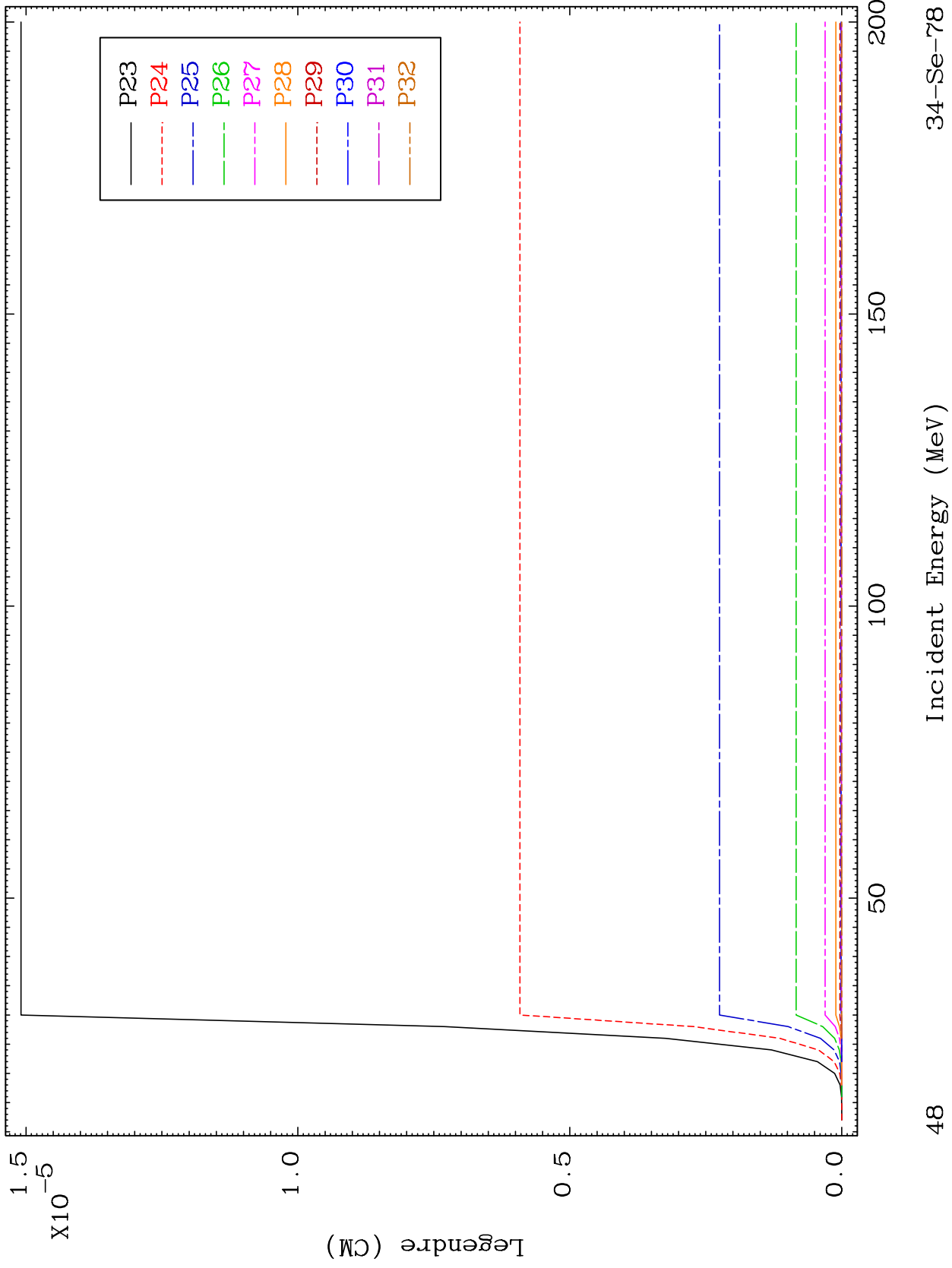
34-Se-78



MAT 3437

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

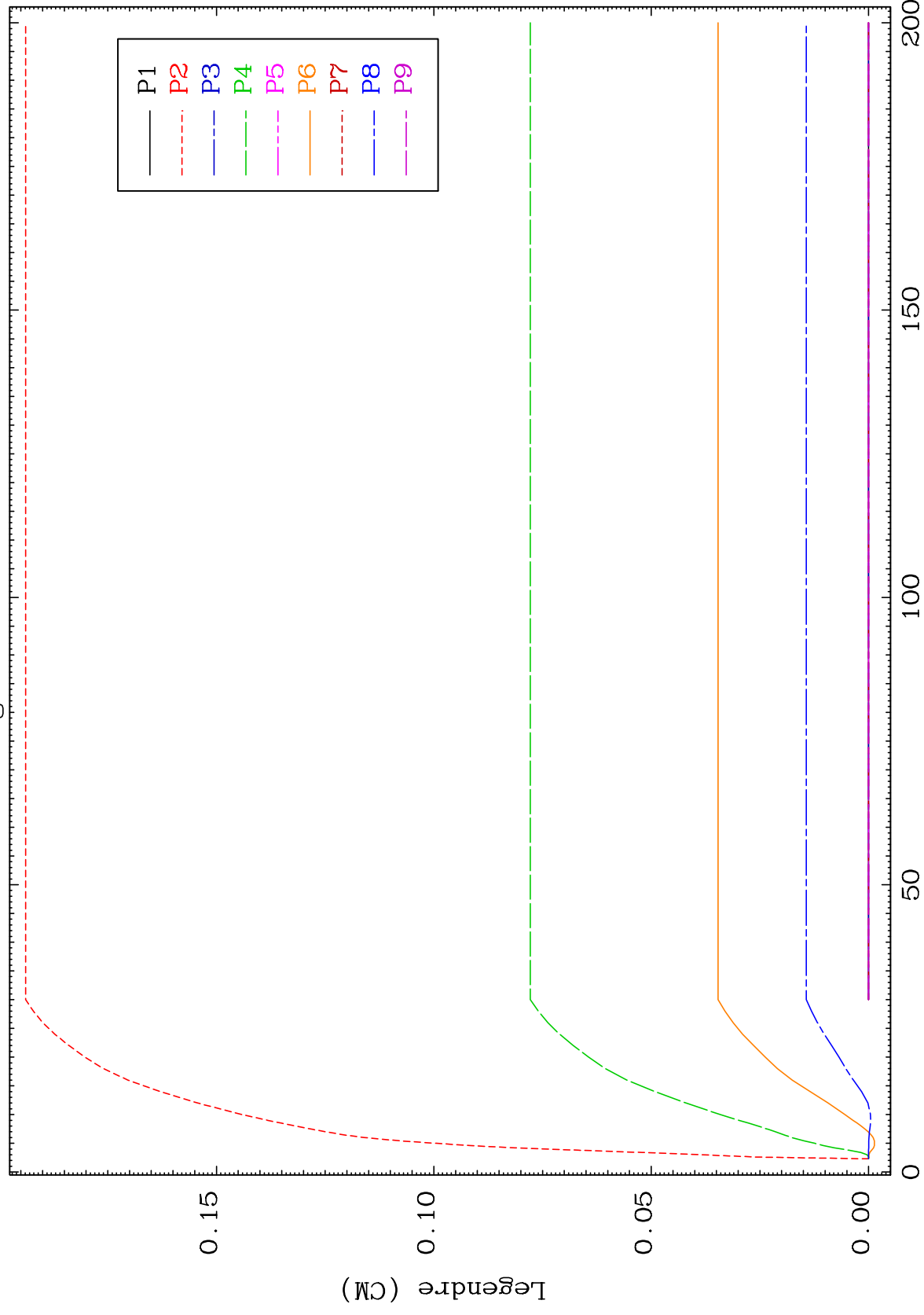
34-Se-78



MAT 3437

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

34-Se-78



49

Incident Energy (MeV)

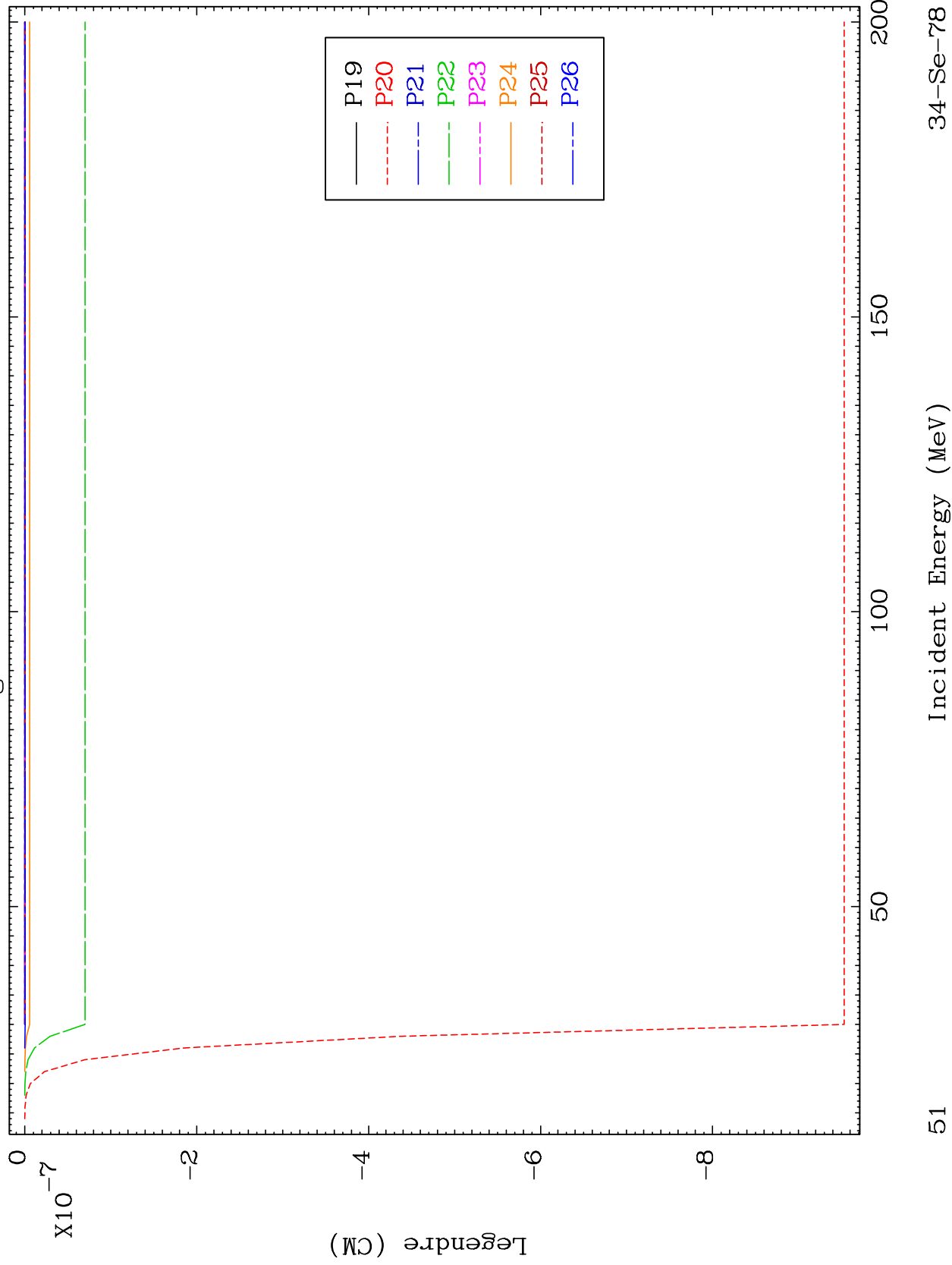
34-Se-78



MAT 3437

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

34-Se-78



51

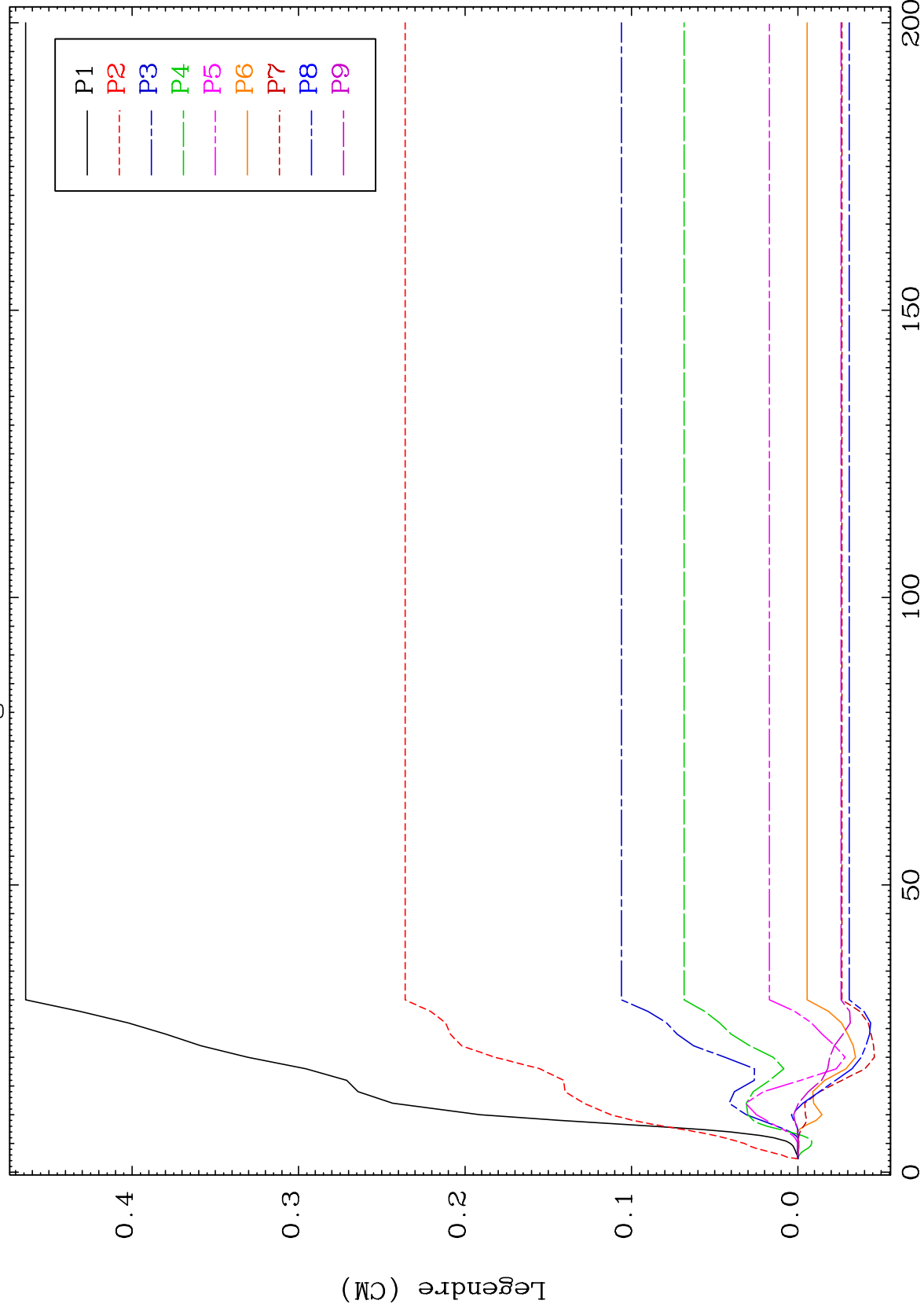
Incident Energy (MeV)

34-Se-78

MAT 3437

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

<sup>34</sup>Se-78



52

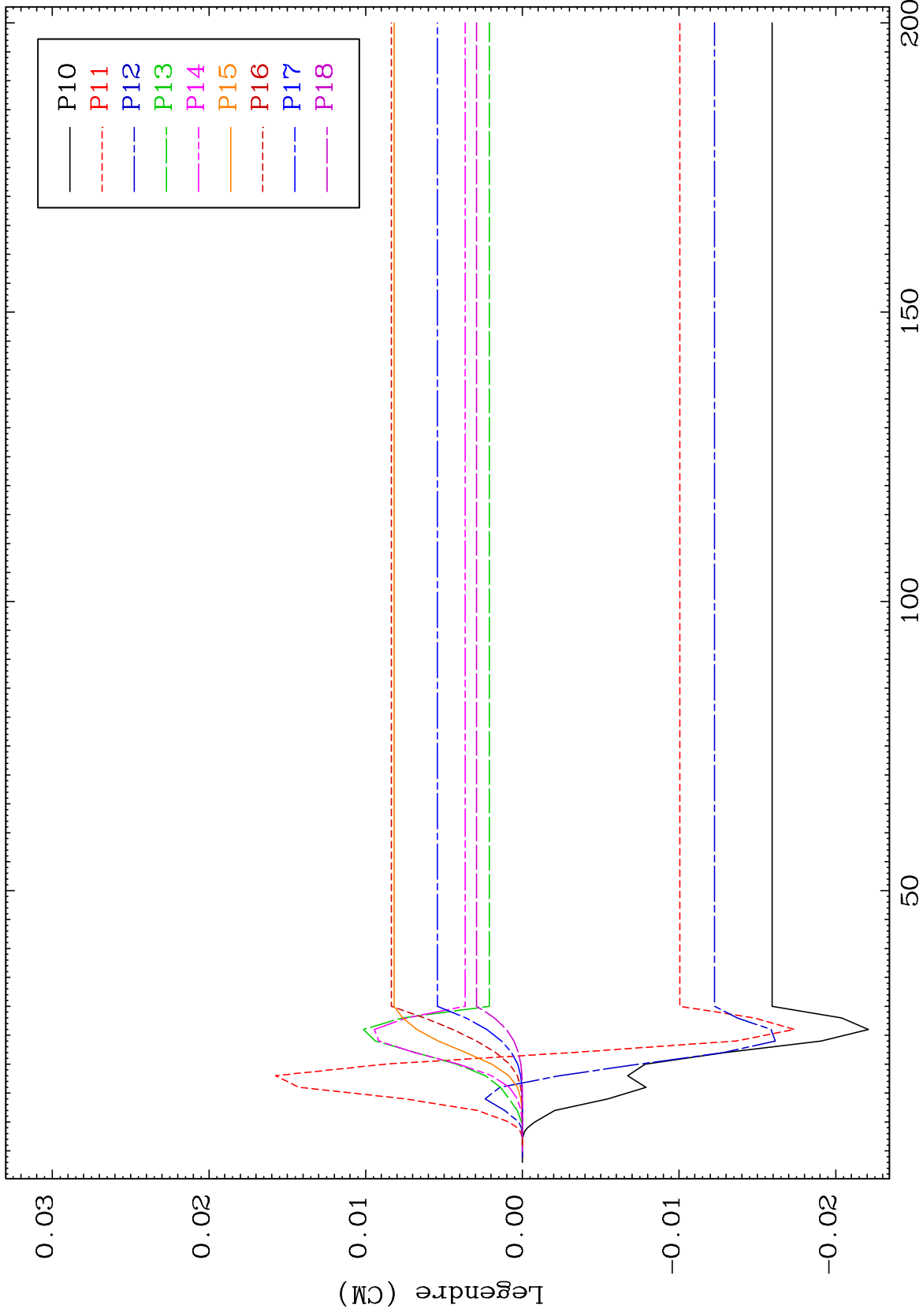
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

<sup>34</sup>Se-78



53

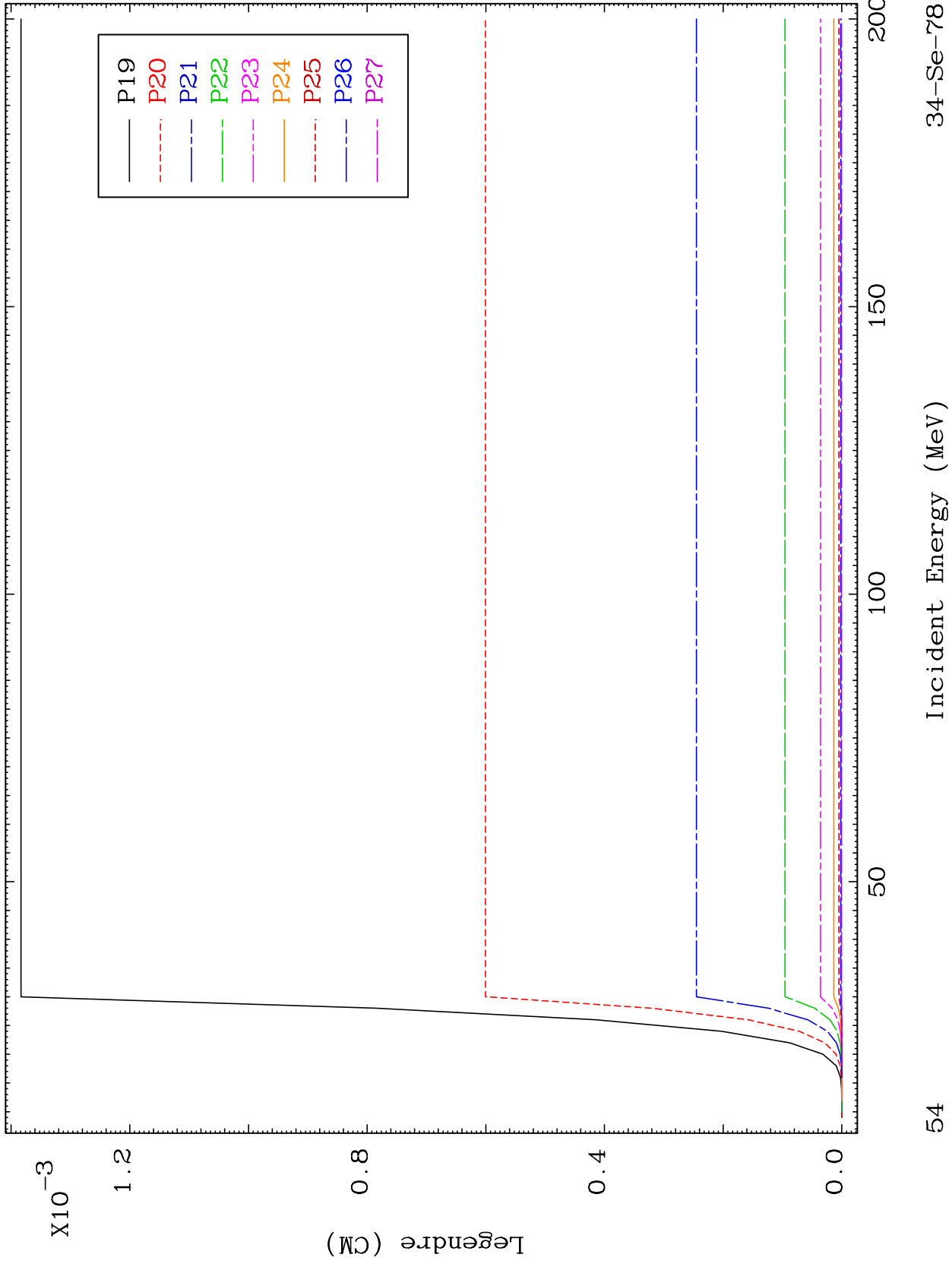
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

34-Se-78



54

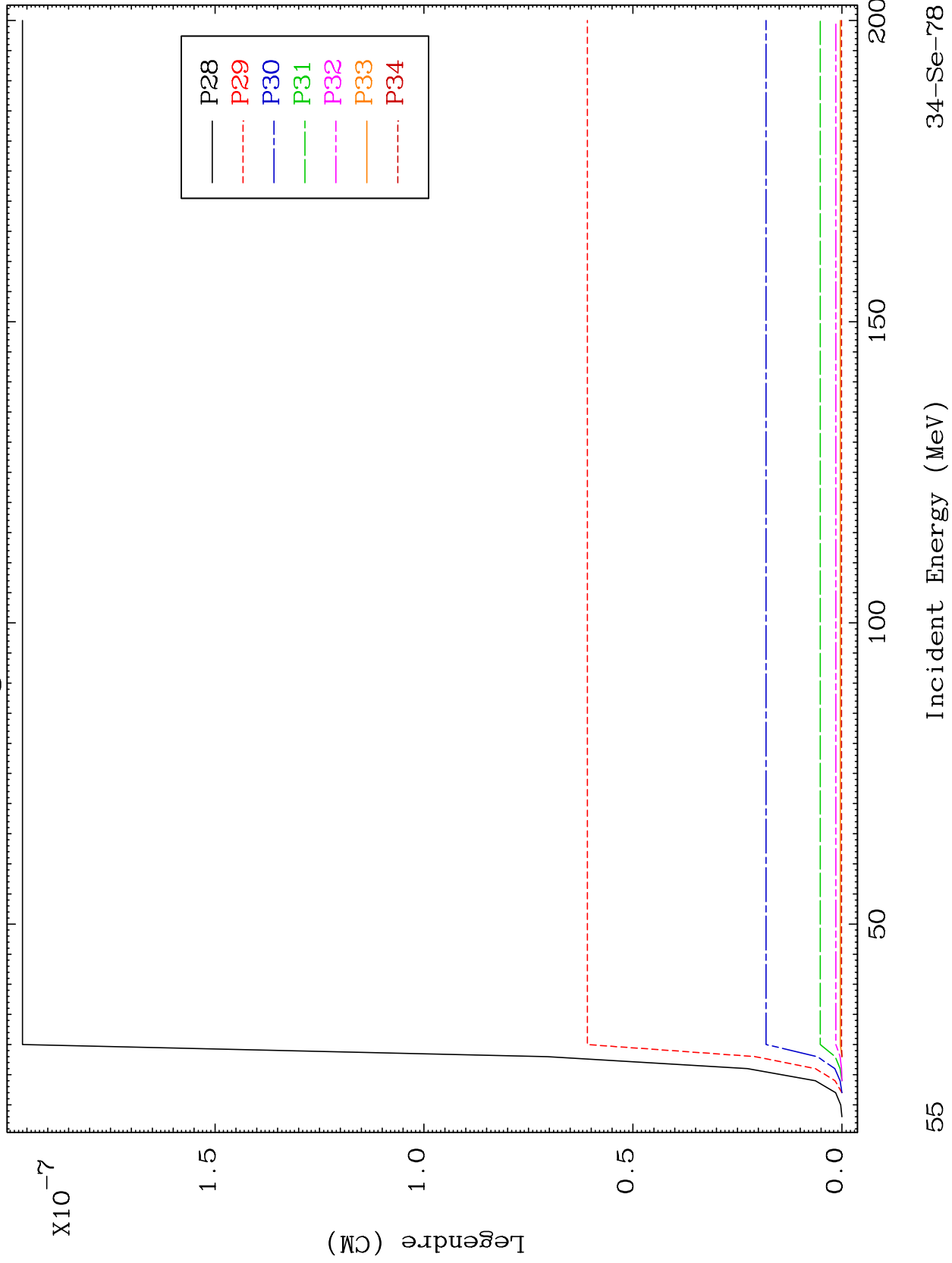
Incident Energy (MeV)

34-Se-78

MAT 3437

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

34-Se-78

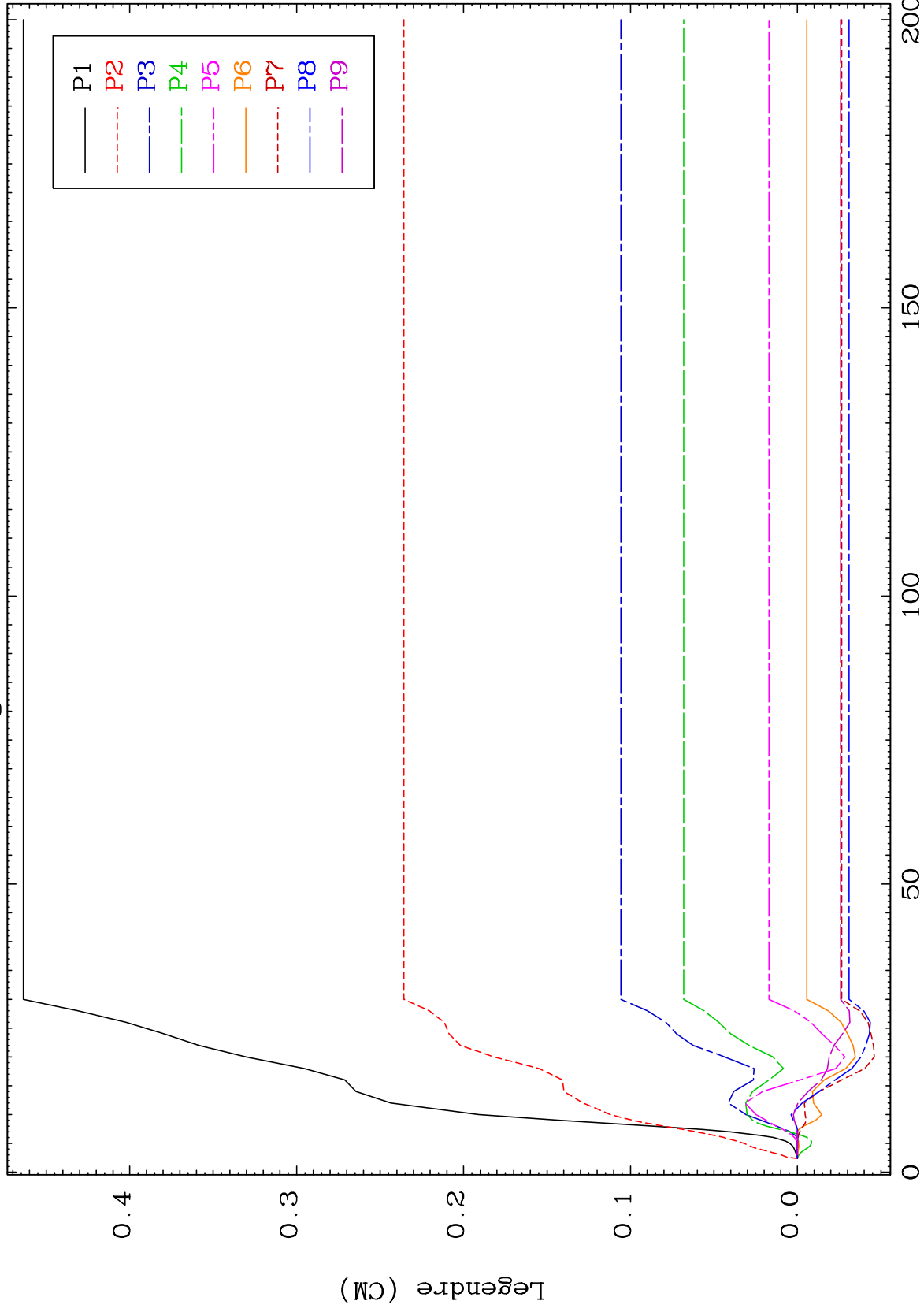




MAT 3437

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

<sup>34</sup>Se-78



56

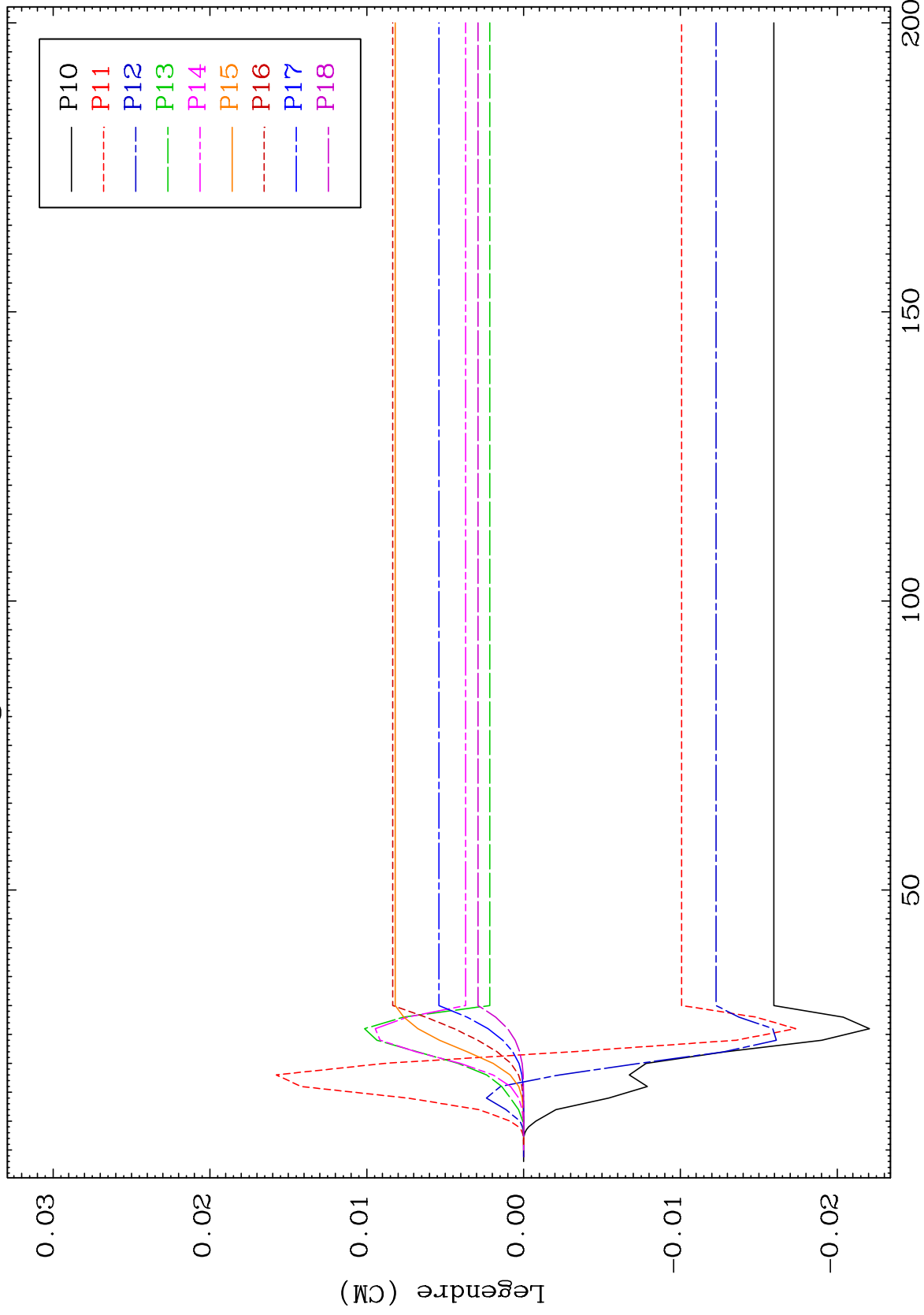
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

<sup>34</sup>Se-78



57

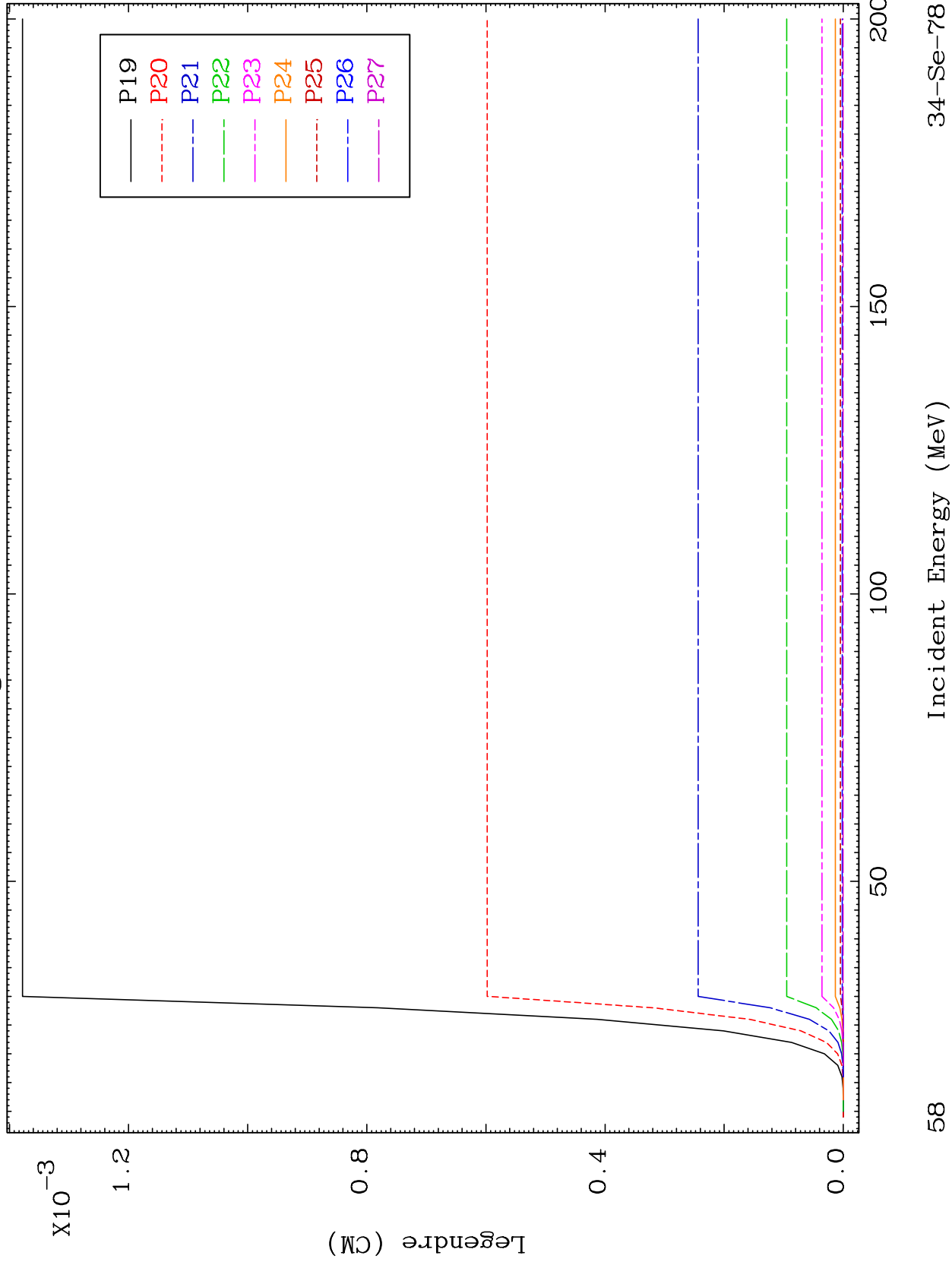
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

34-Se-78



58

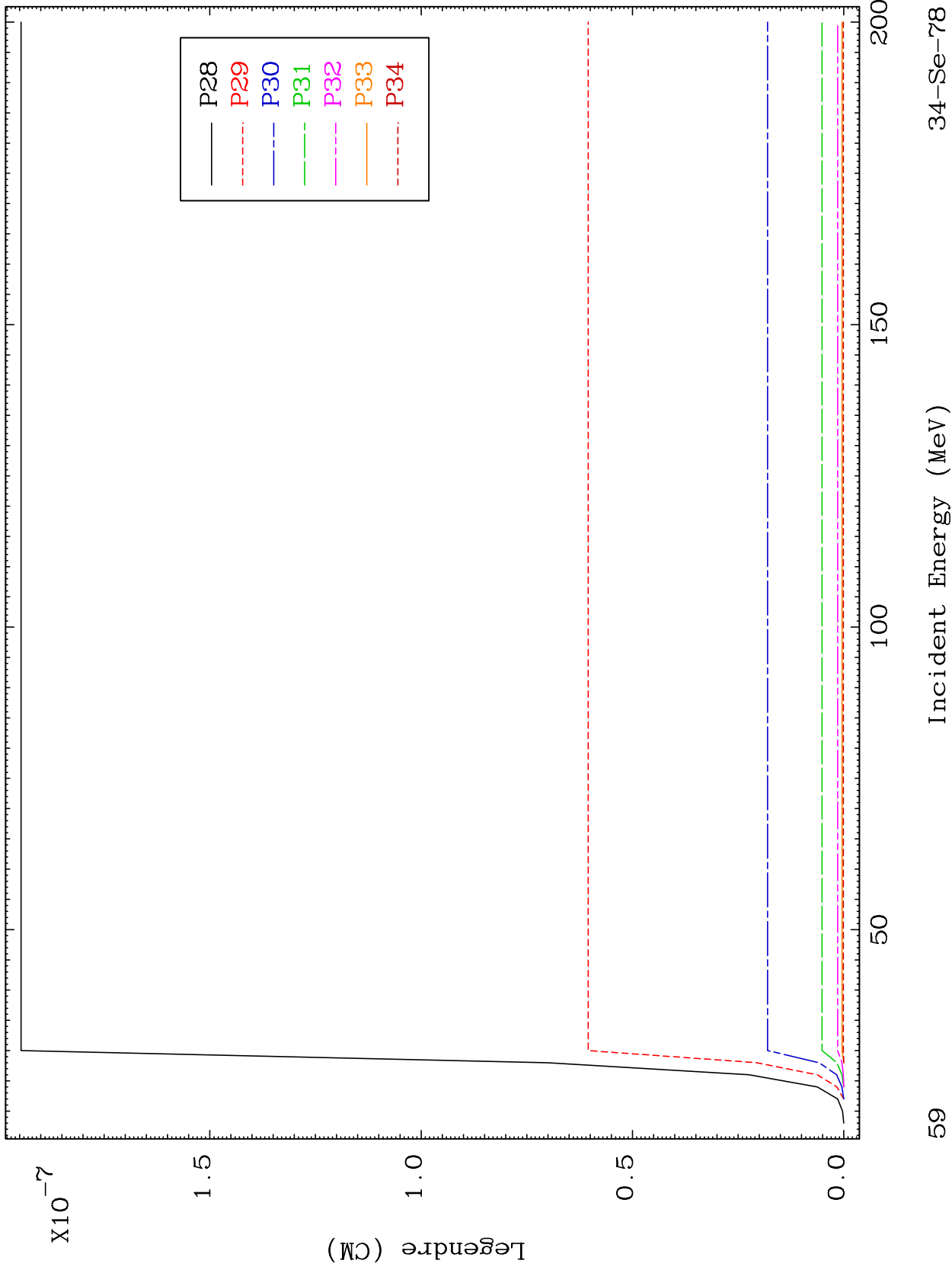
Incident Energy (MeV)

34-Se-78

MAT 3437

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

34-Se-78



59

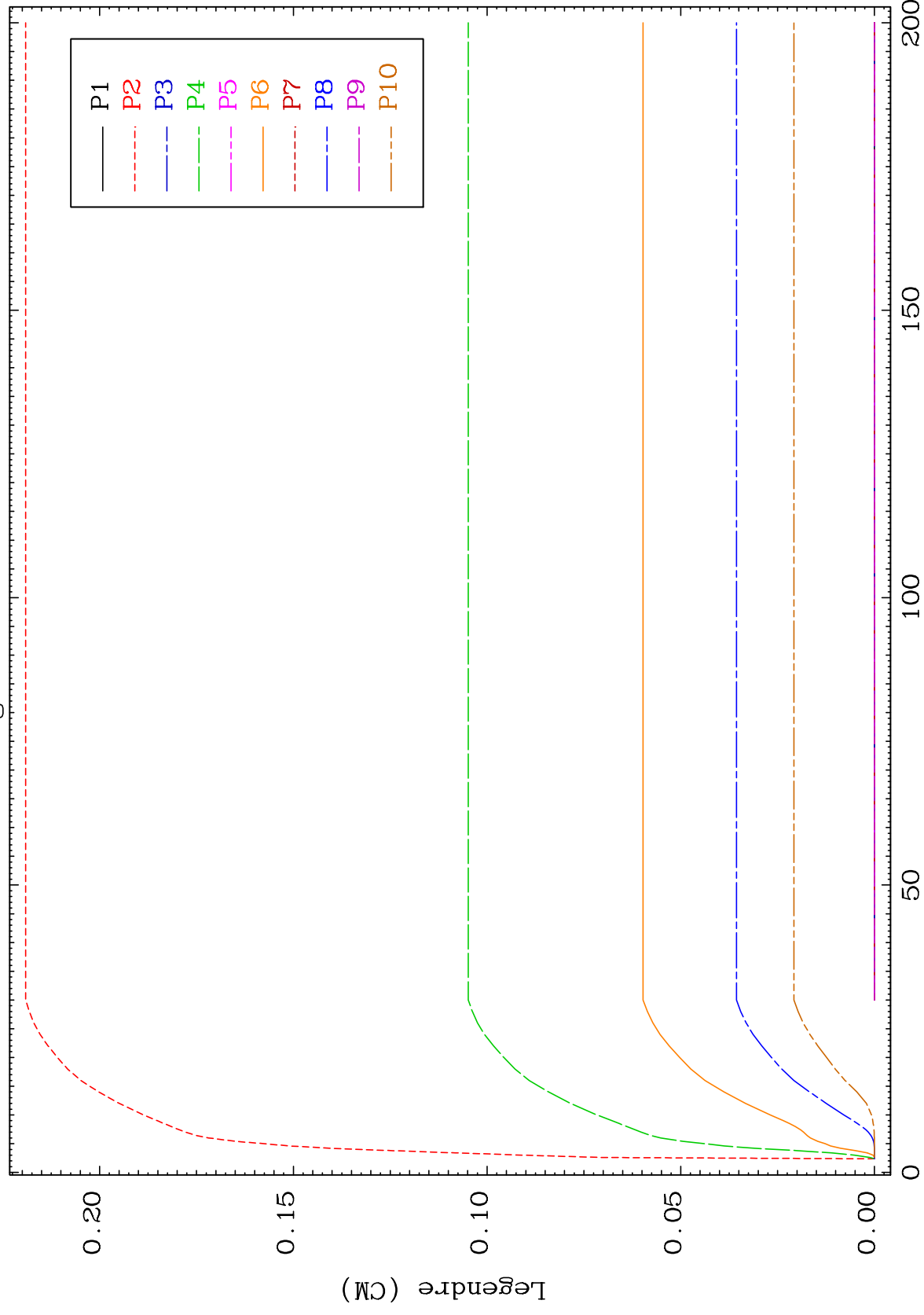
Incident Energy (MeV)

34-Se-78

MAT 3437

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

<sup>34</sup>Se-78



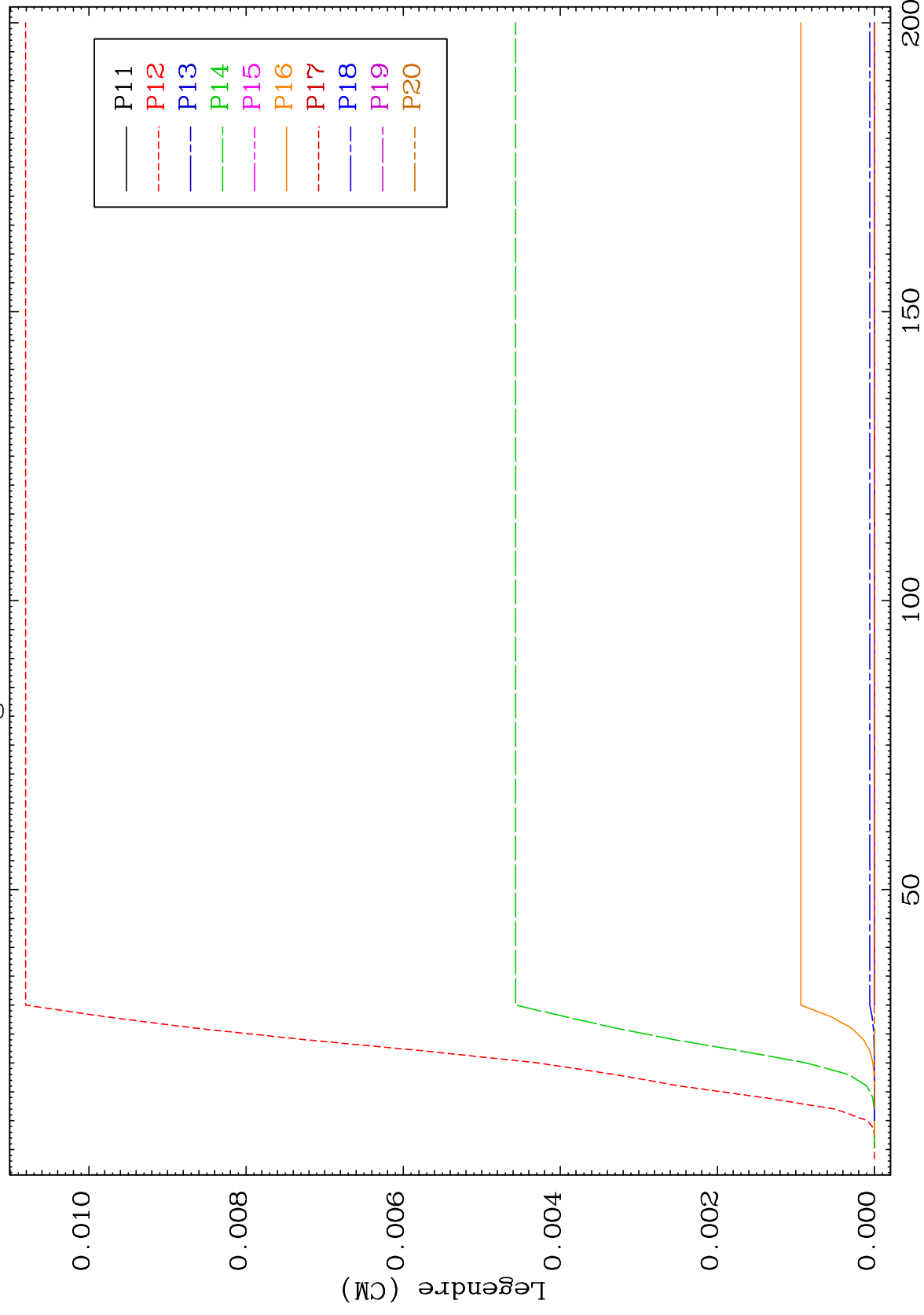
<sup>34</sup>Se-78

Incident Energy (MeV)

MAT 3437

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

34-Se-78



61

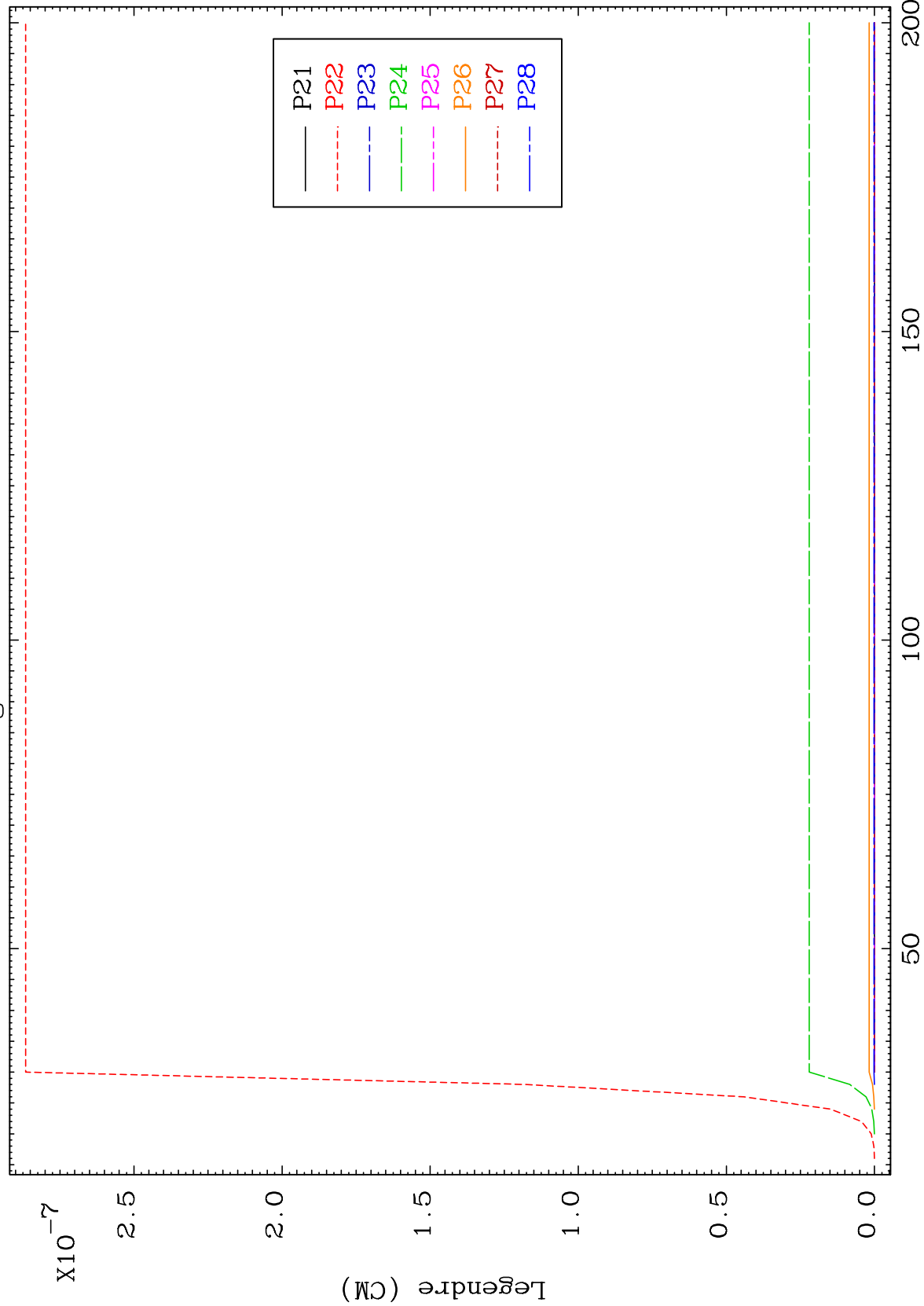
Incident Energy (MeV)

34-Se-78

MAT 3437

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

34-Se-78



62

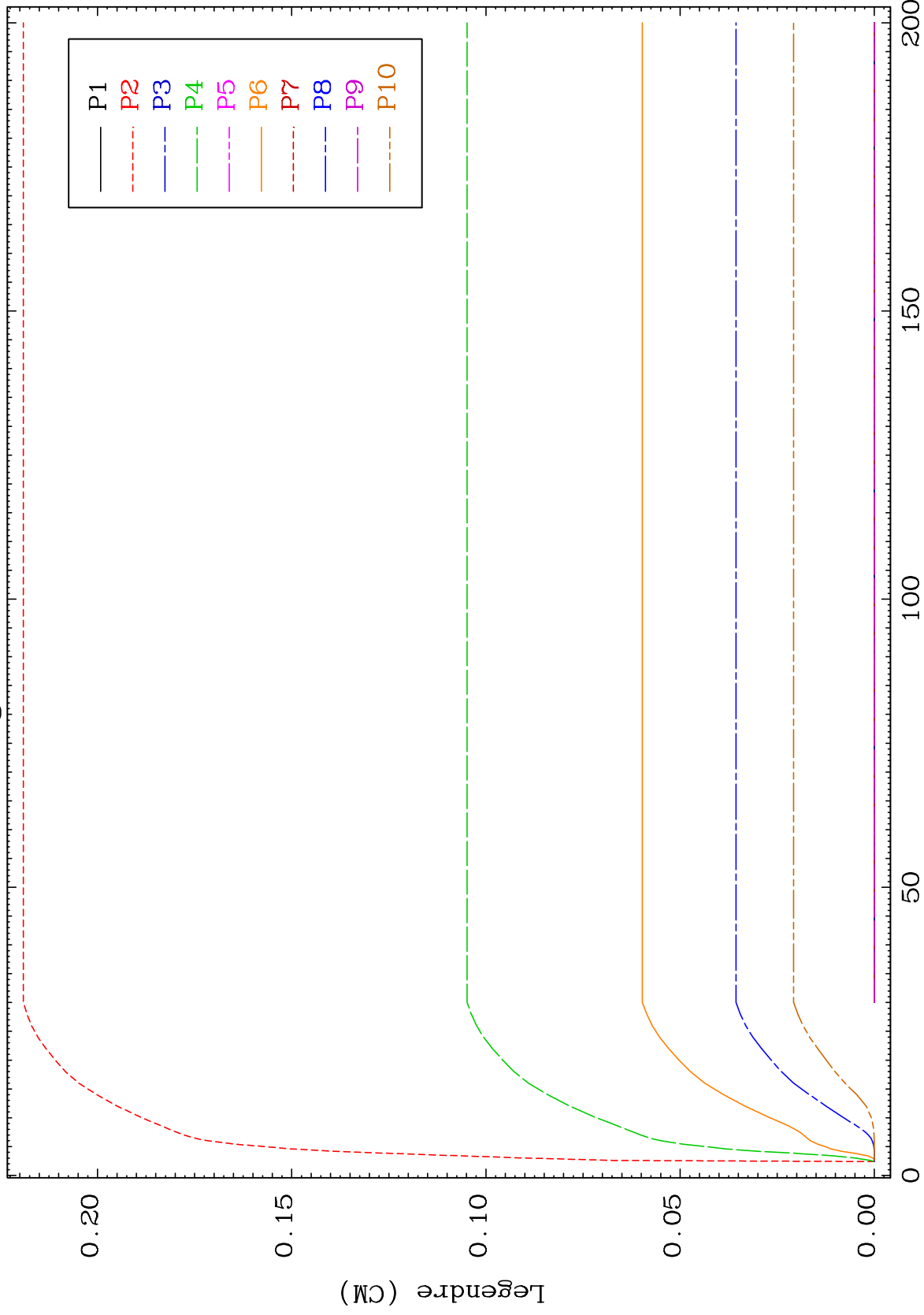
Incident Energy (MeV)

34-Se-78

MAT 3437

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

<sup>34</sup>Se-78



63

Incident Energy (MeV)

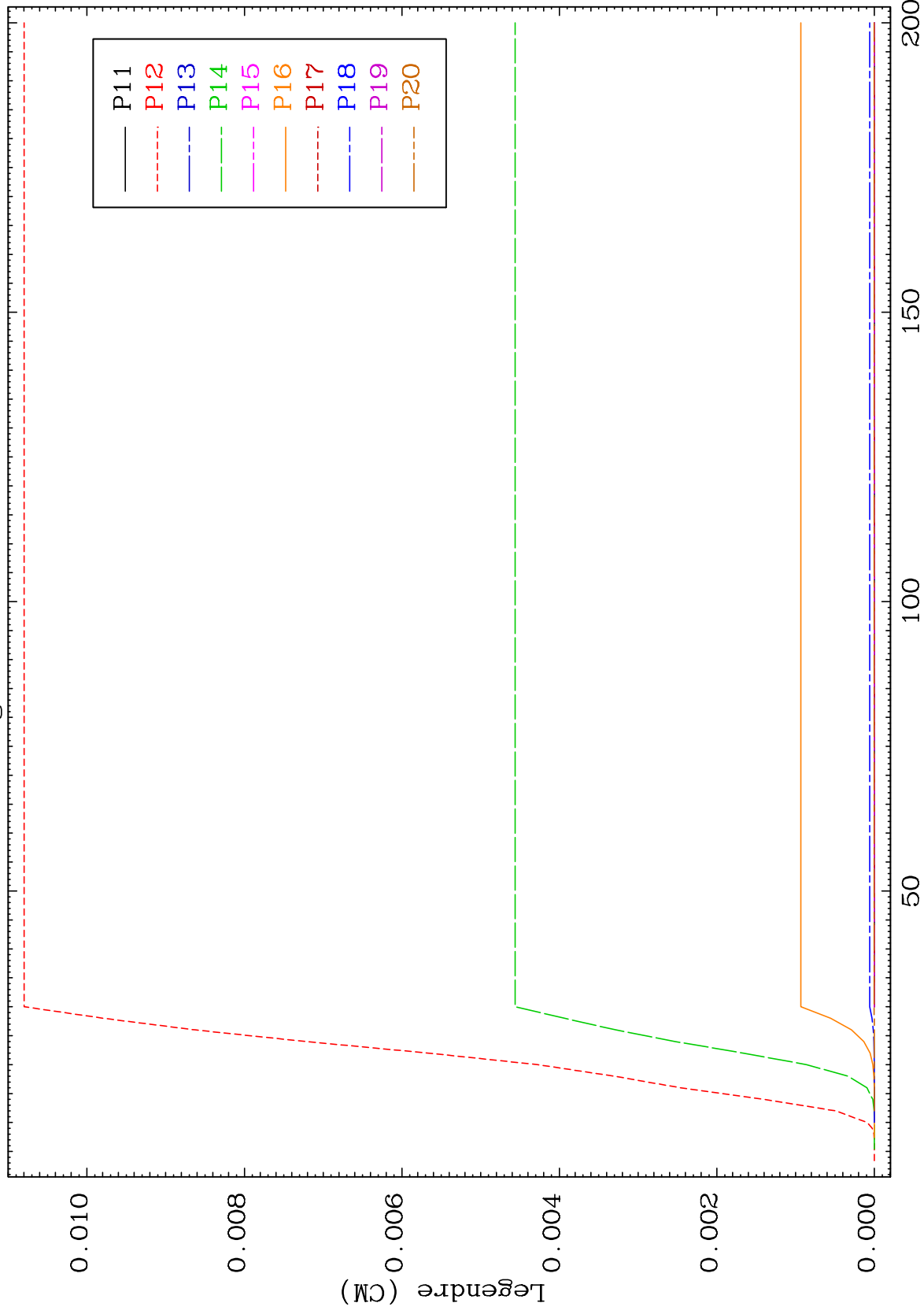
<sup>34</sup>Se-78



MAT 3437

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

<sup>34</sup>Se-78



64

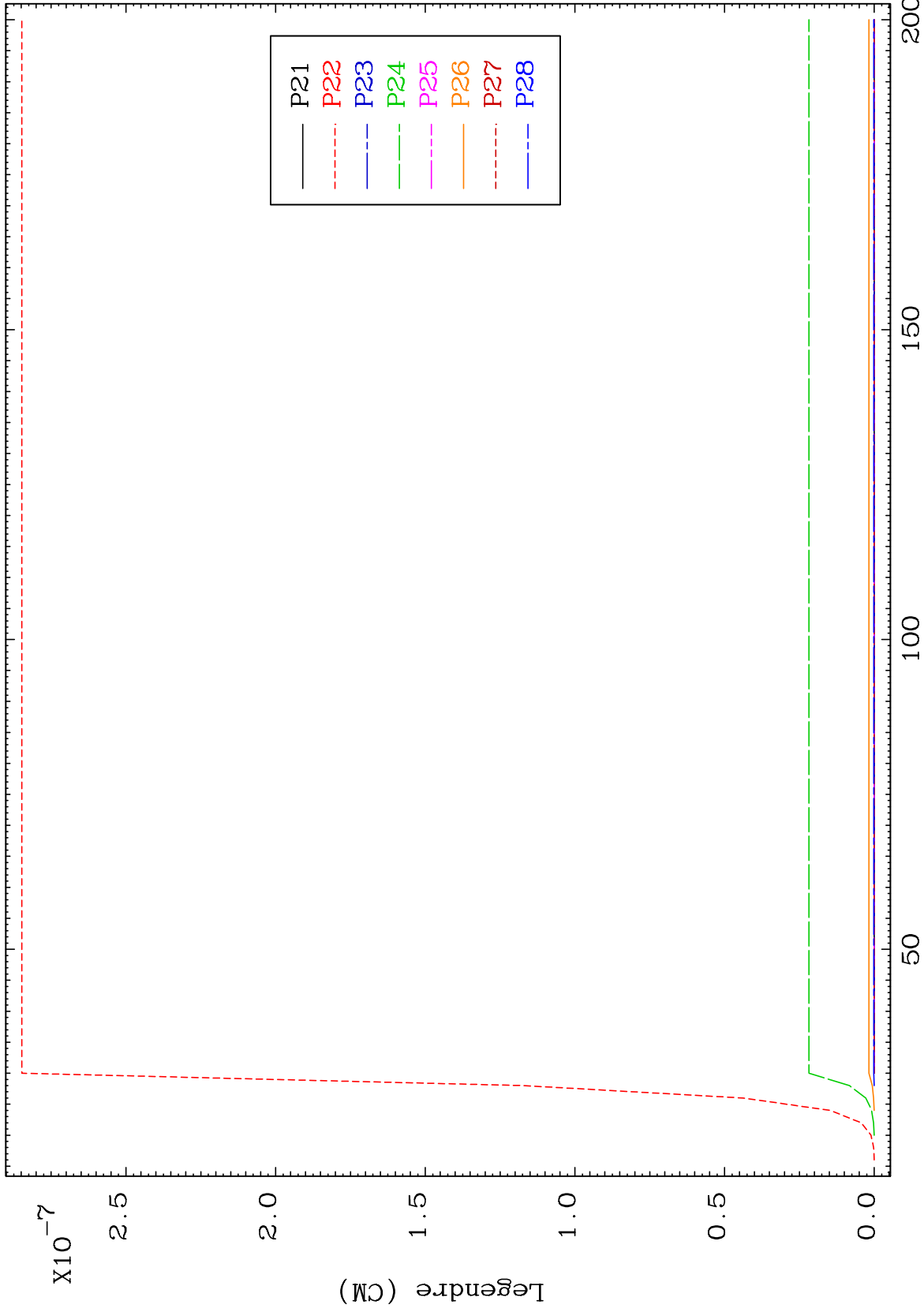
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

34-Se-78



65

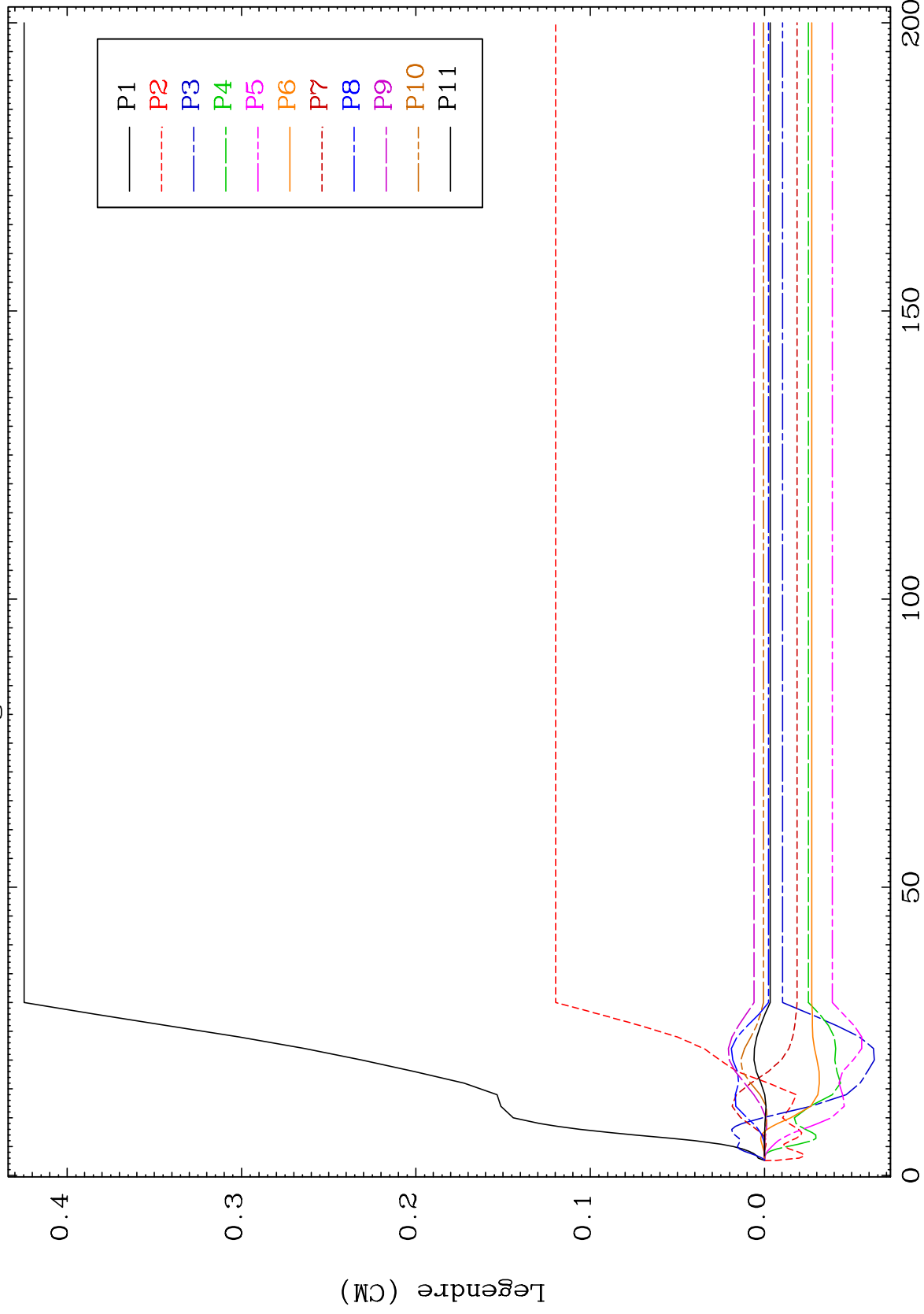
Incident Energy (MeV)

34-Se-78

MAT 3437

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

<sup>34</sup>Se-78



66

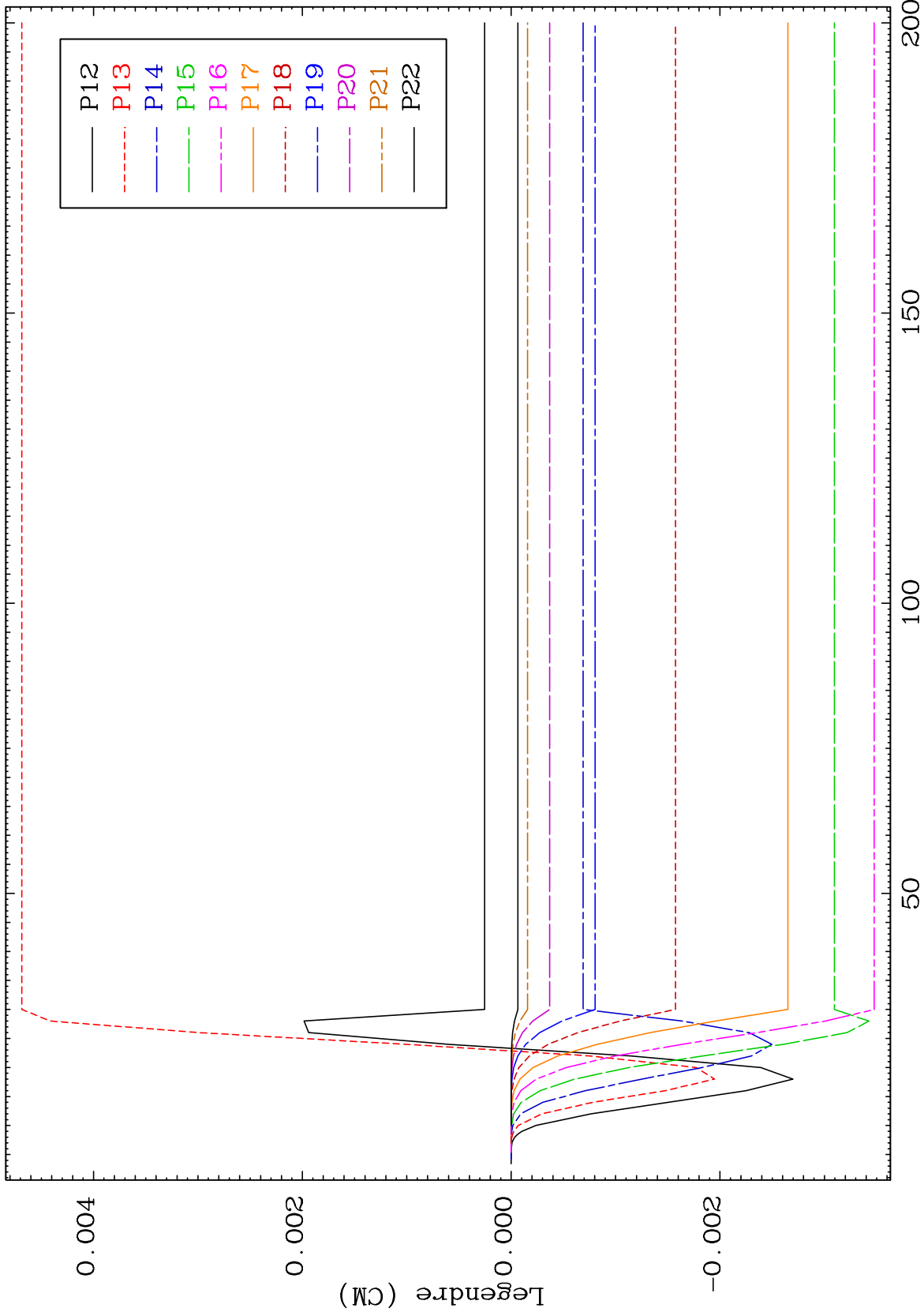
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

34-Se-78



67

Incident Energy (MeV)

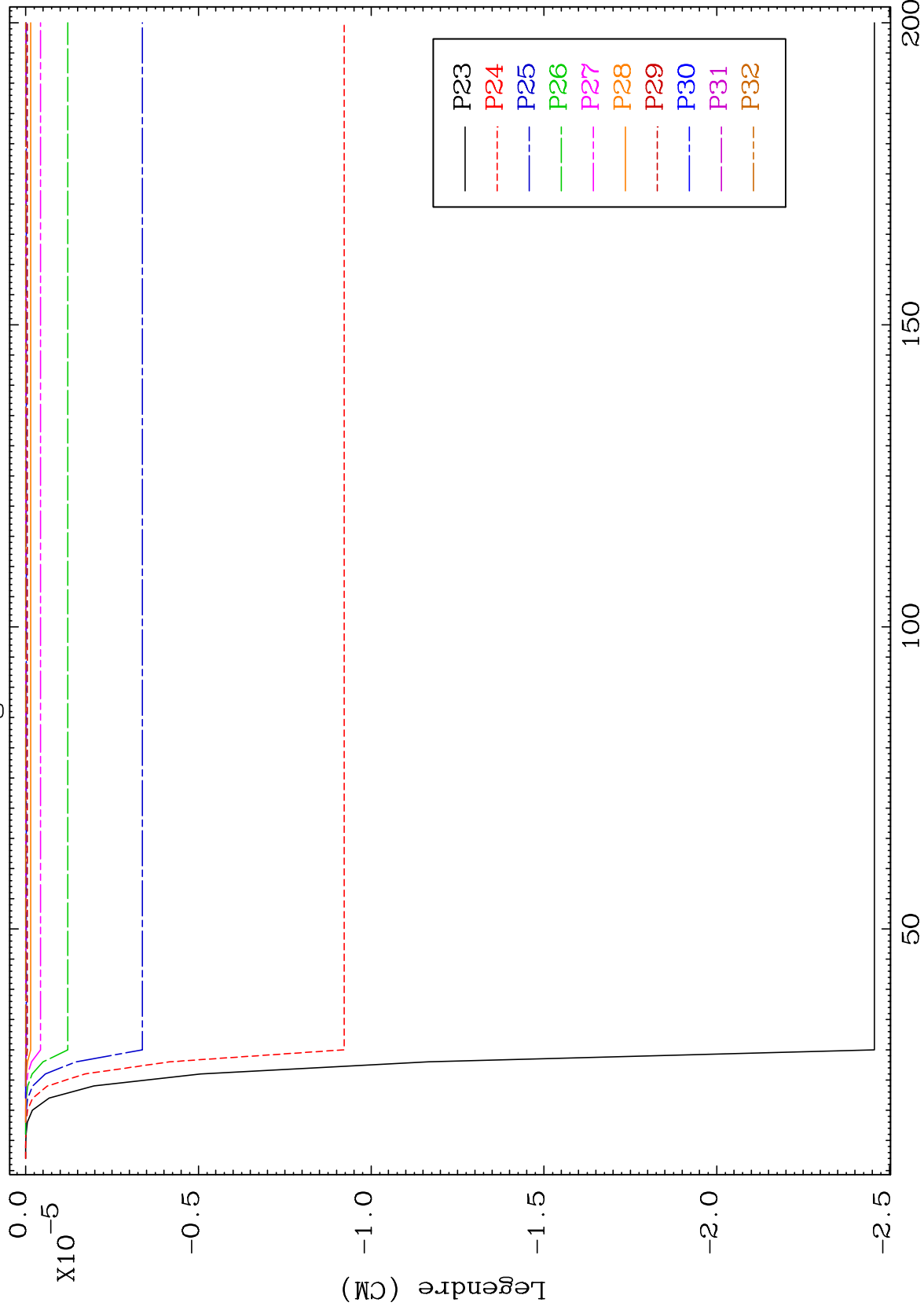
34-Se-78

MAT 3437

MT= 64 (n,n') Level

<sup>34</sup>Se-78

Legendre Coefficients



68

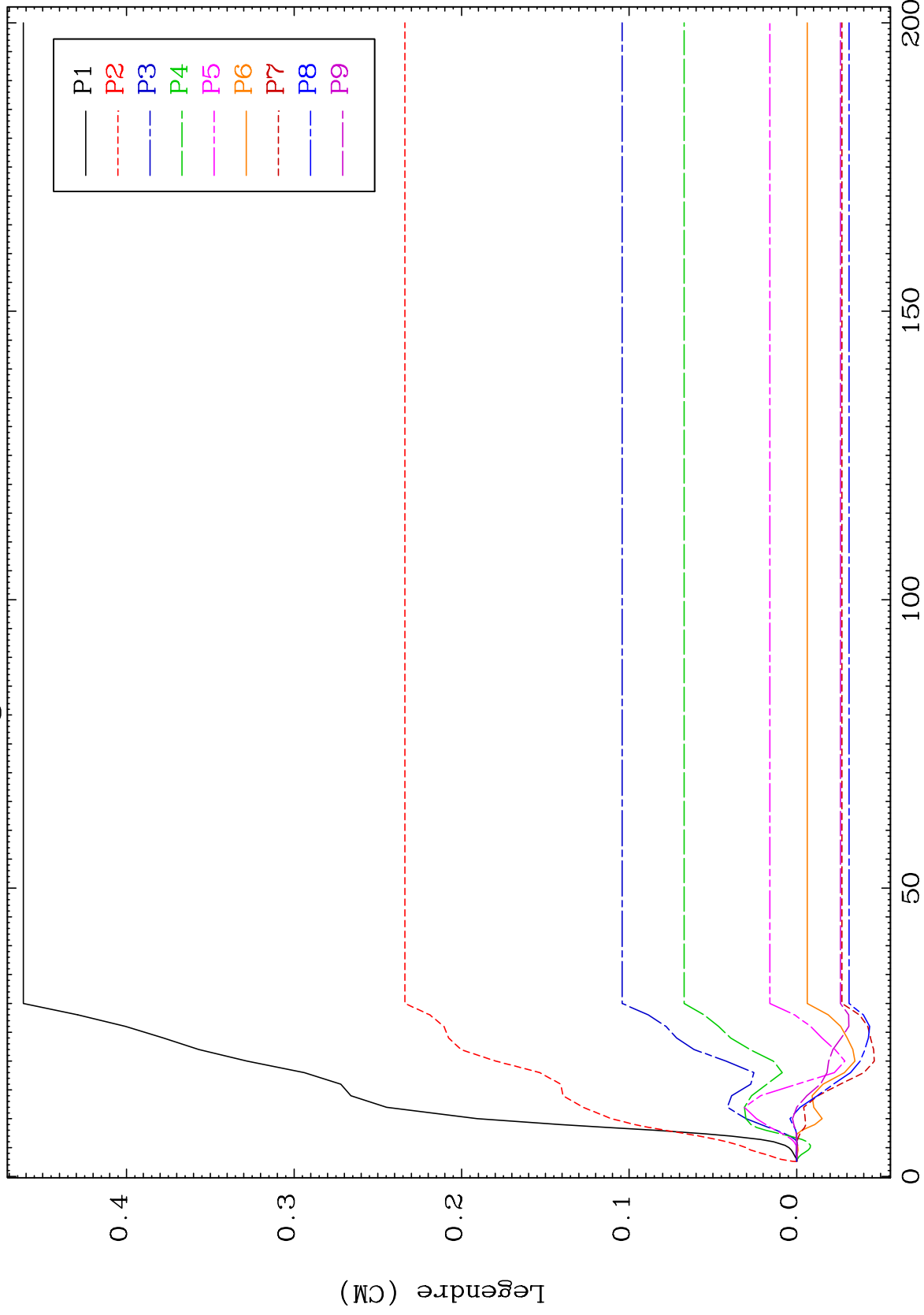
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

<sup>34</sup>Se-78



69

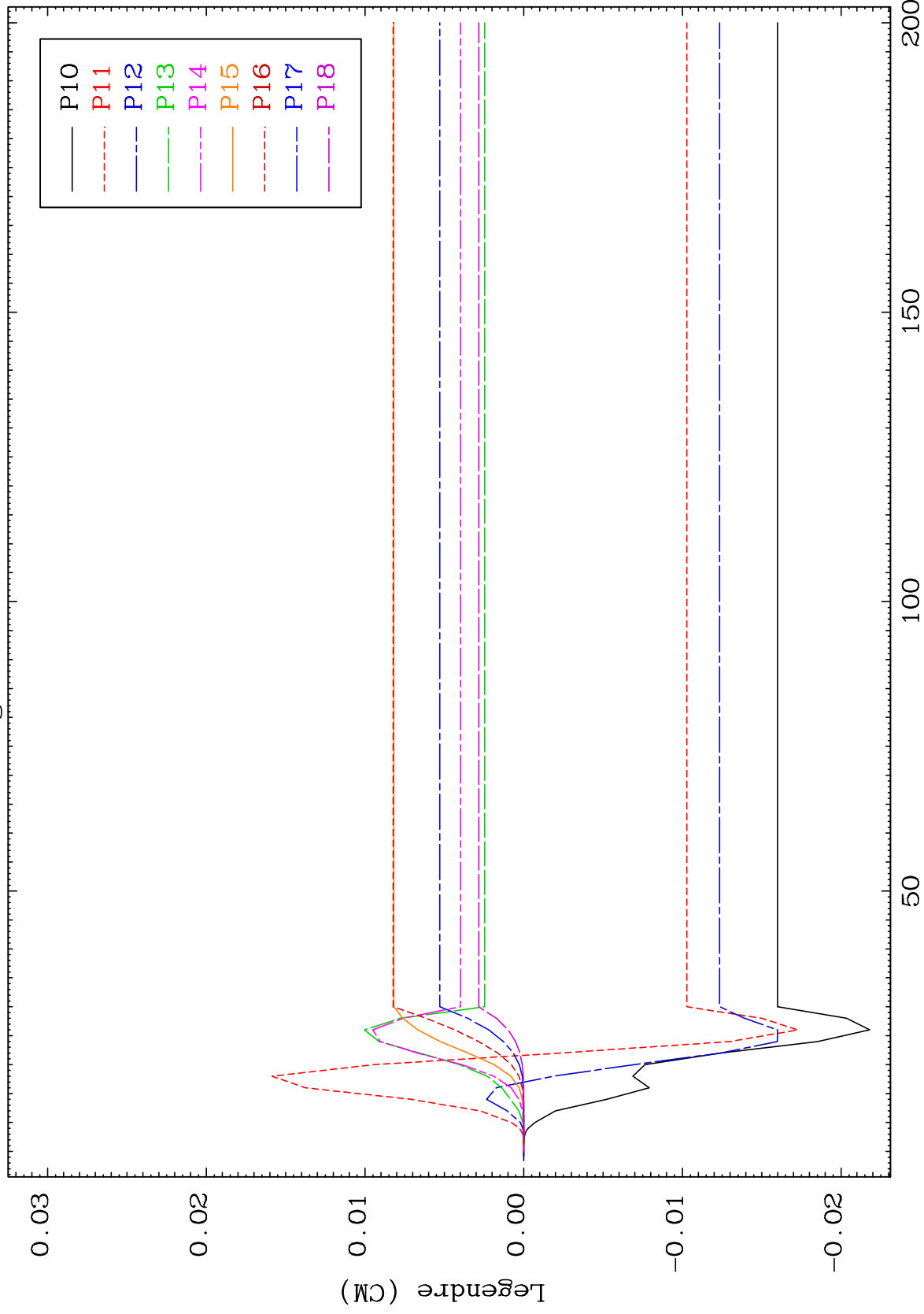
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

<sup>34</sup>Se-78



70

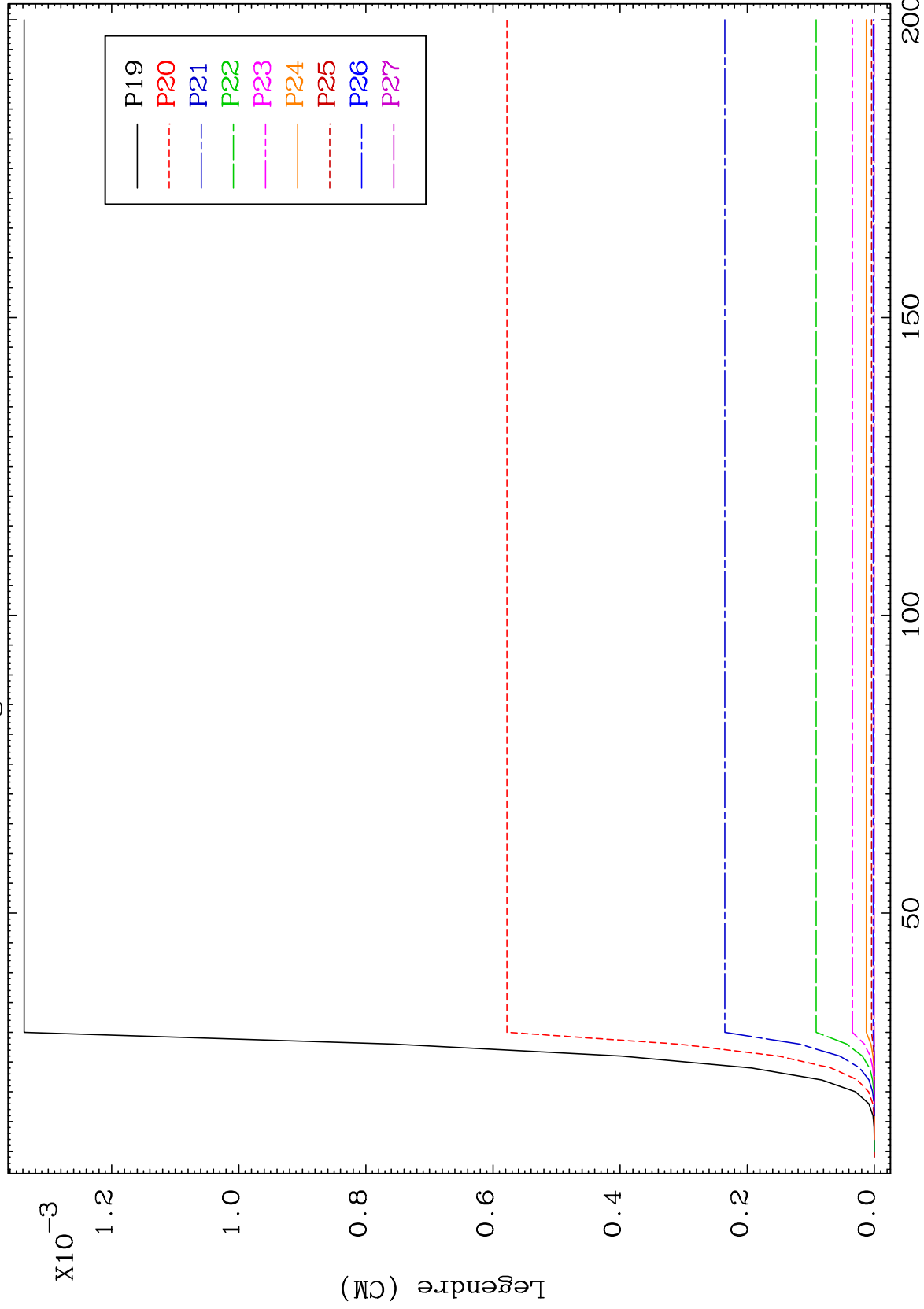
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

34-Se-78



71

Incident Energy (MeV)

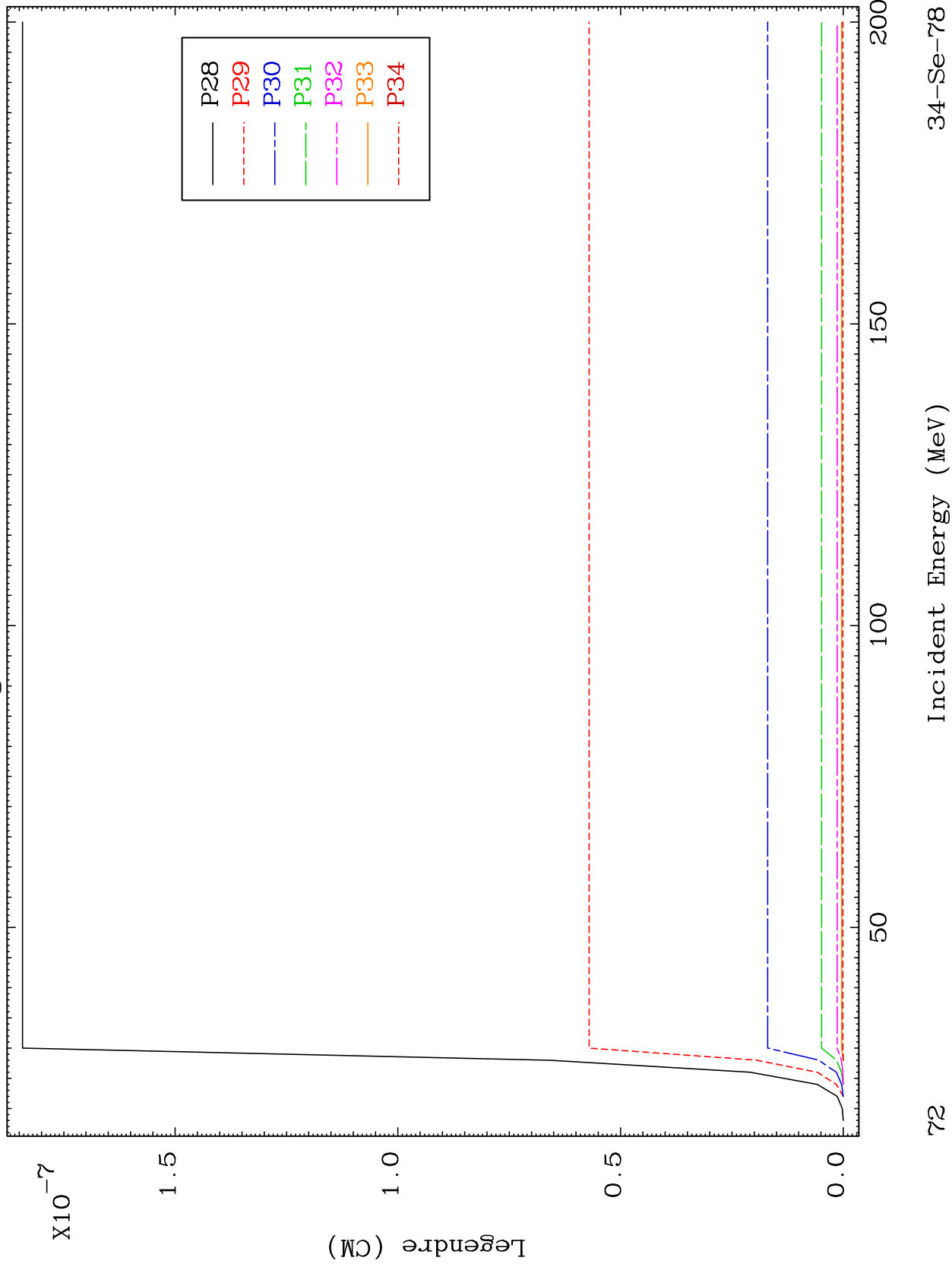
34-Se-78



MAT 3437

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

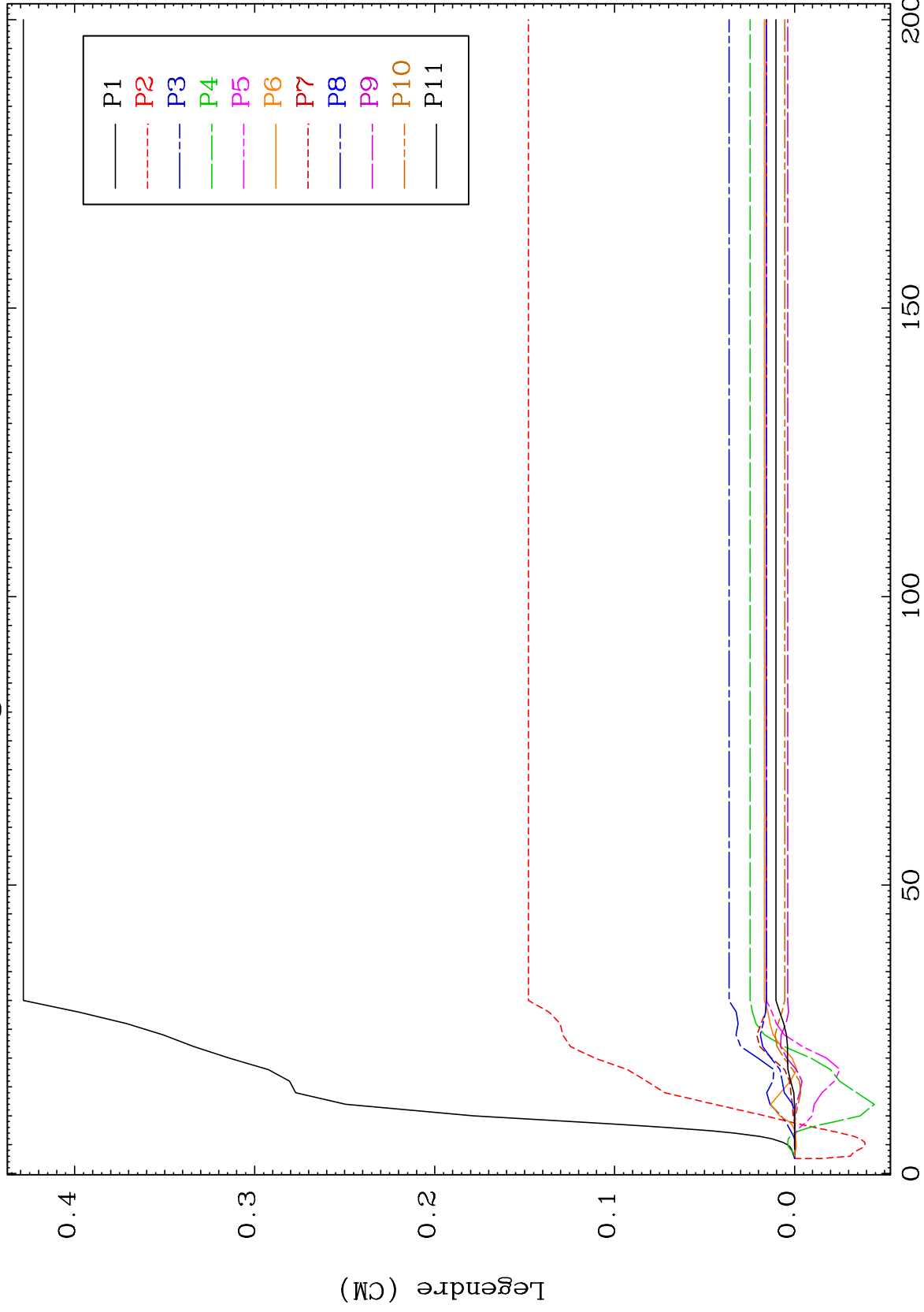
34-Se-78



MAT 3437

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

<sup>34</sup>Se-78



73

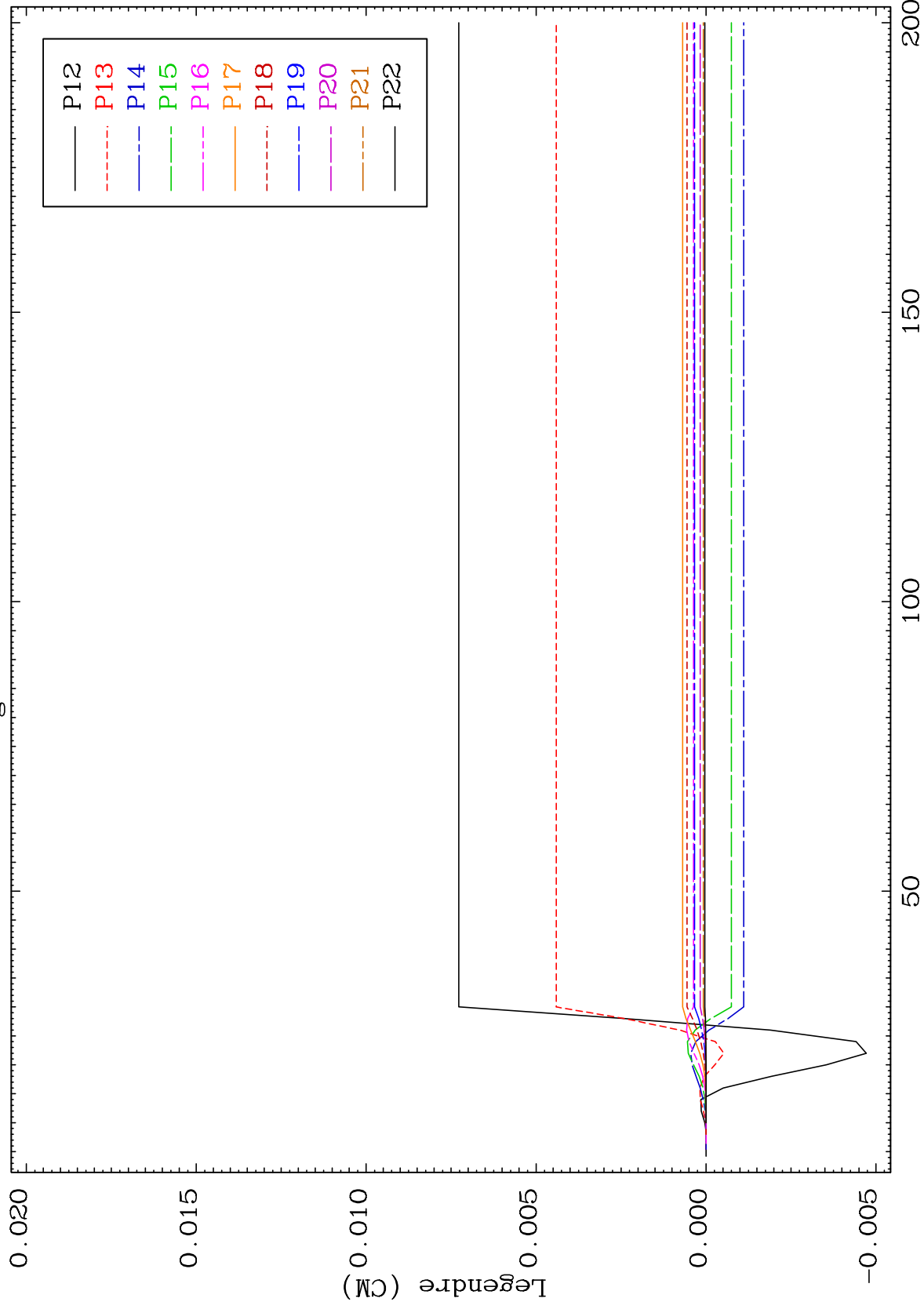
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

<sup>34</sup>Se-78



74

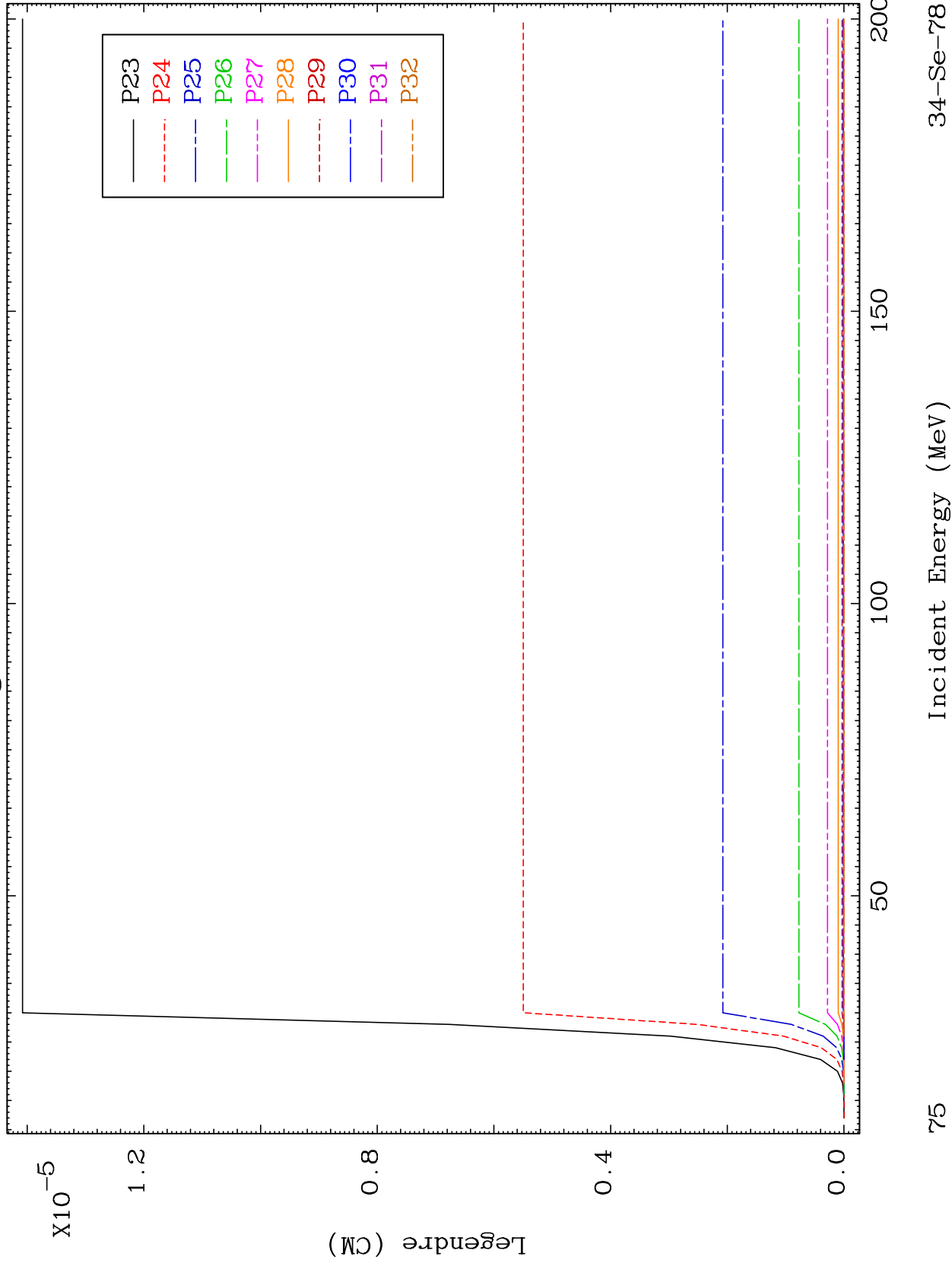
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

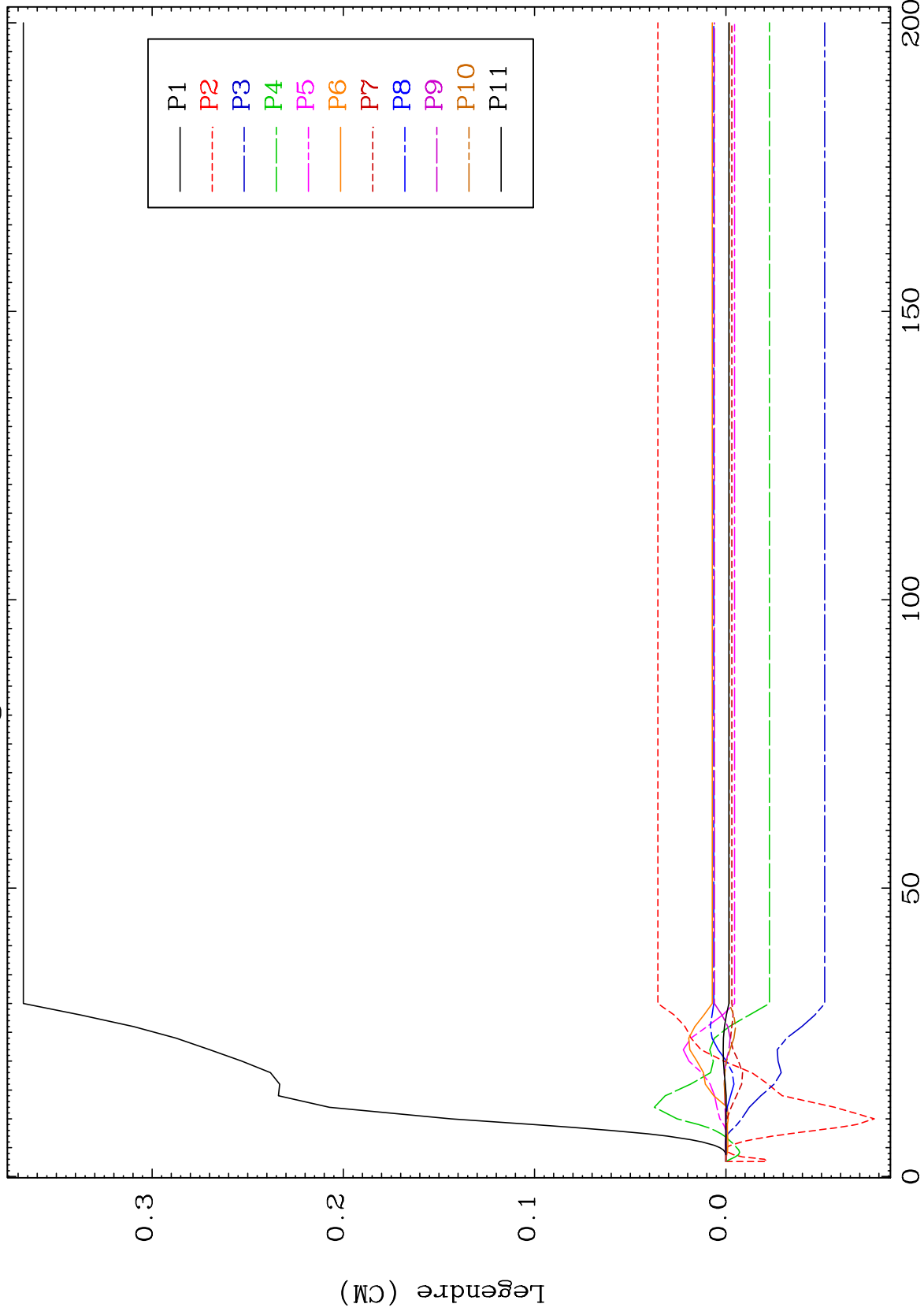
<sup>34</sup>Se-78



MAT 3437

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

<sup>34</sup>Se-78



76

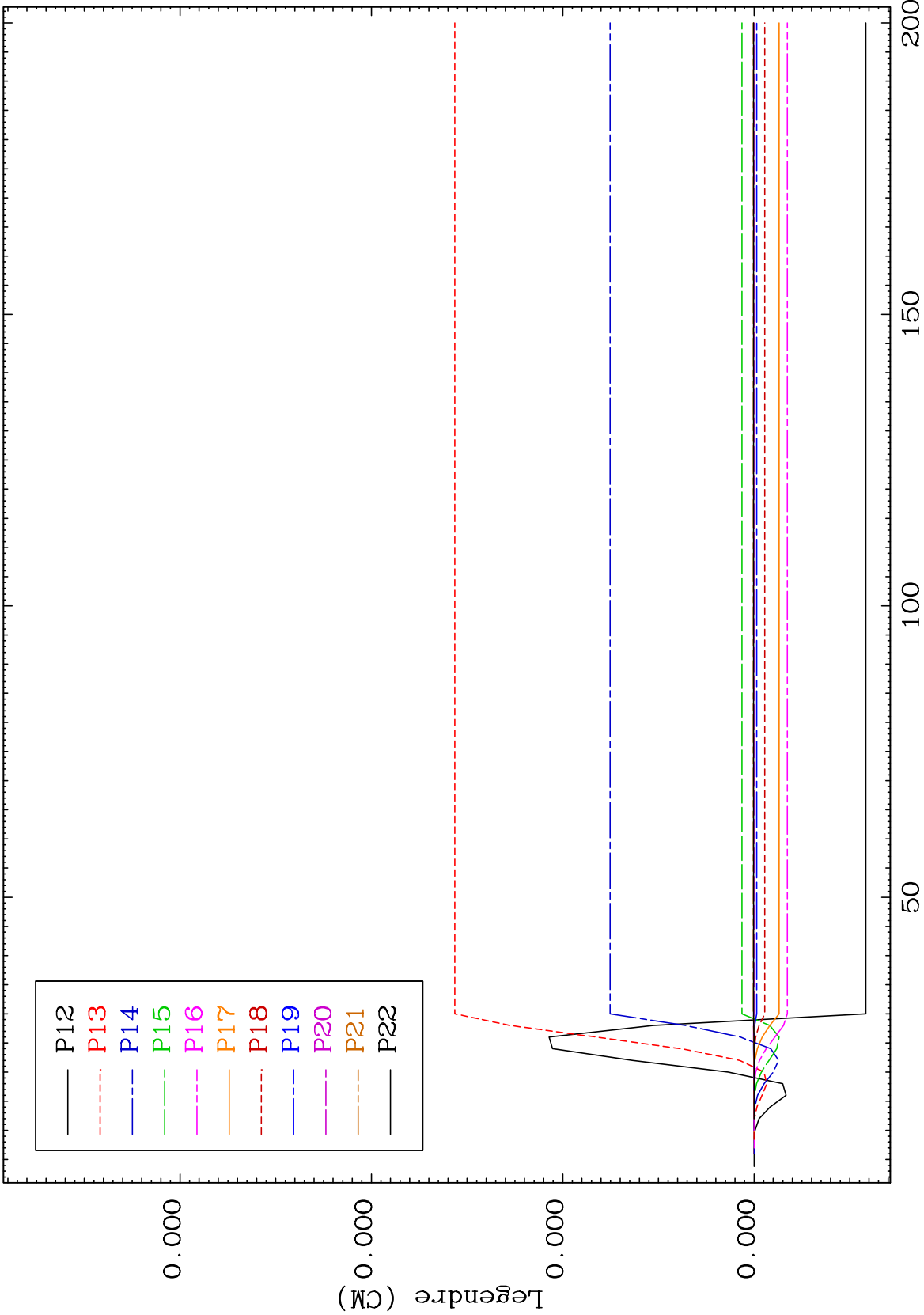
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

<sup>34</sup>Se-78



77

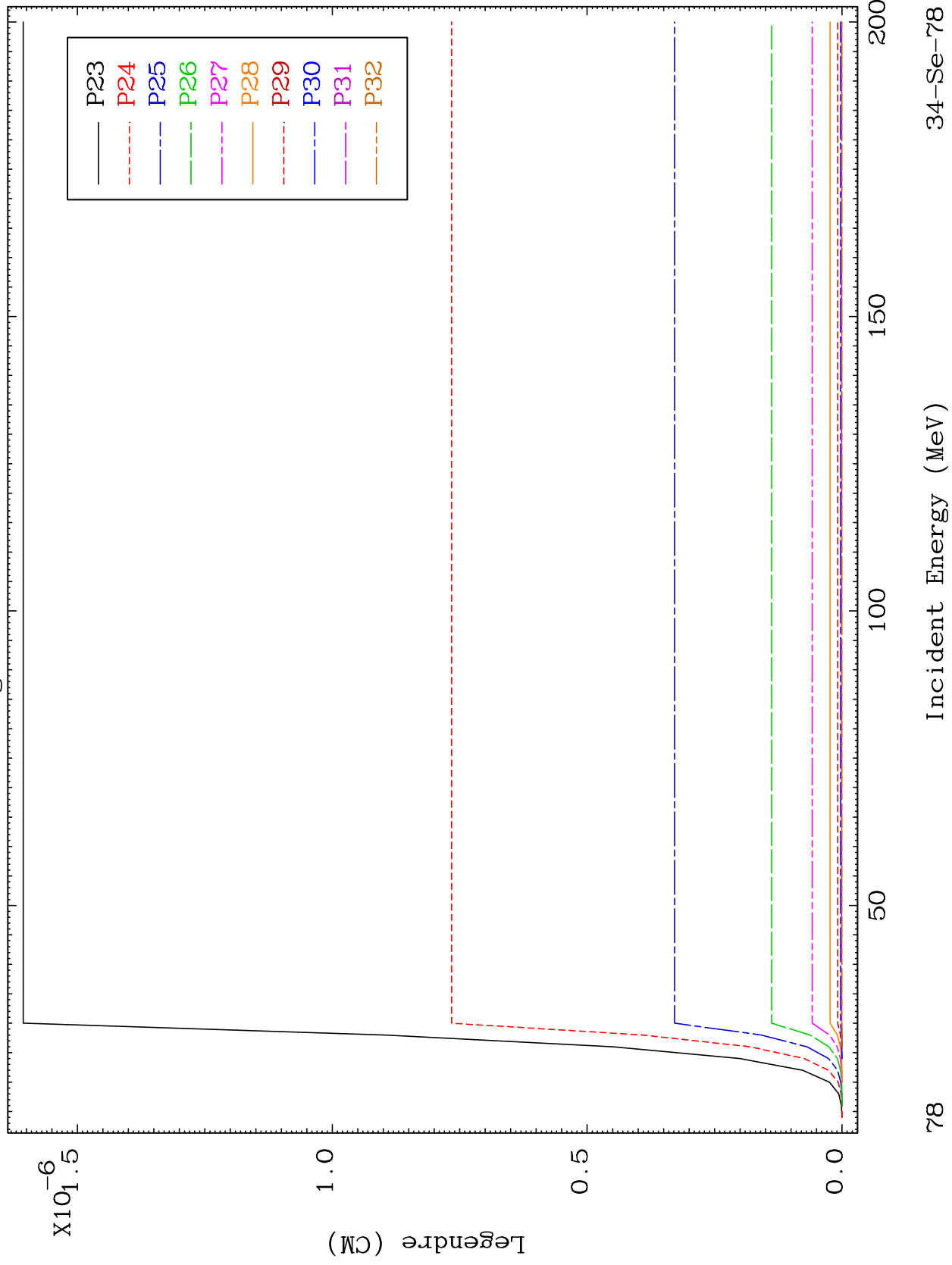
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

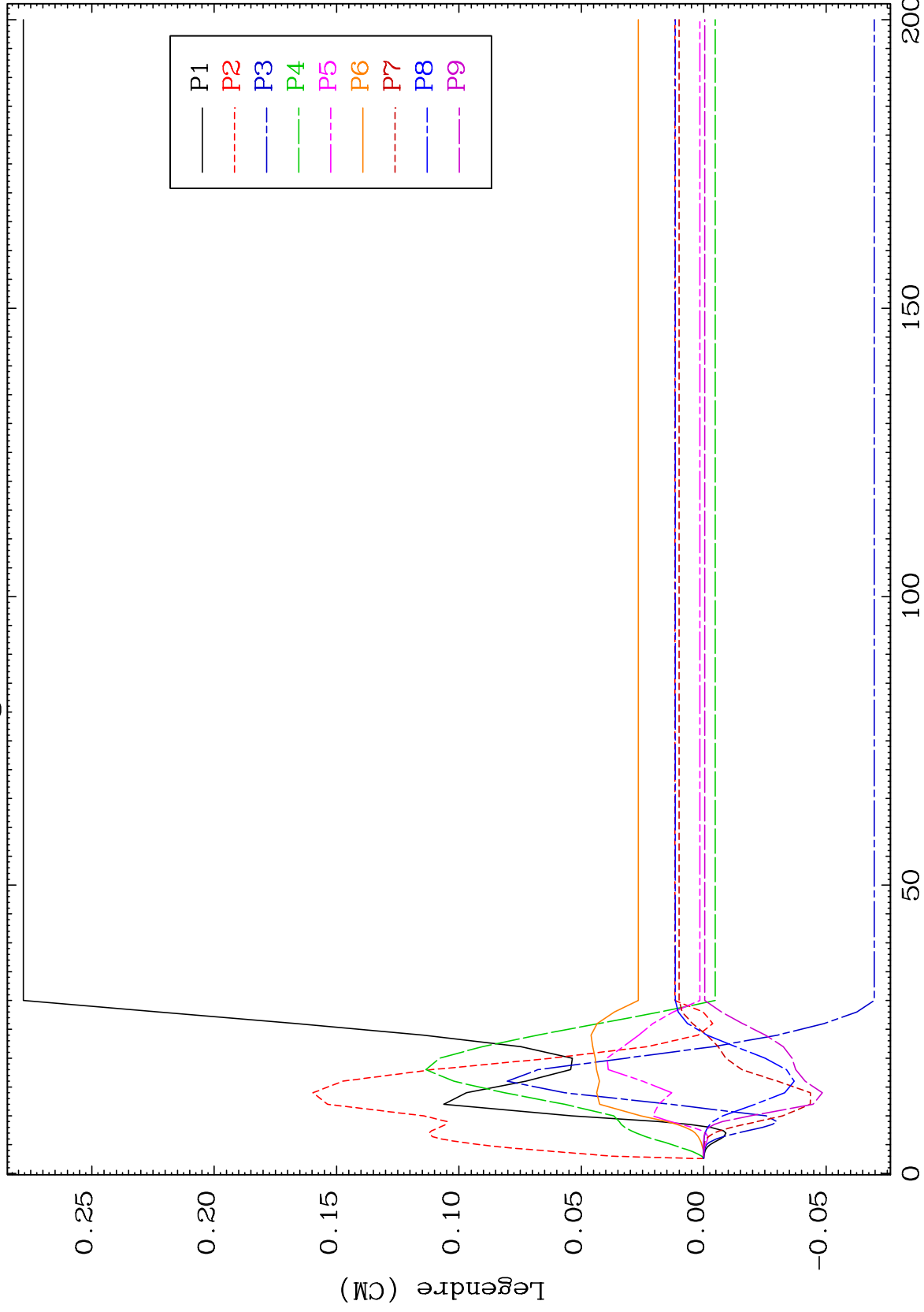
34-Se-78



MAT 3437

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

<sup>34</sup>Se-78



79

Incident Energy (MeV)

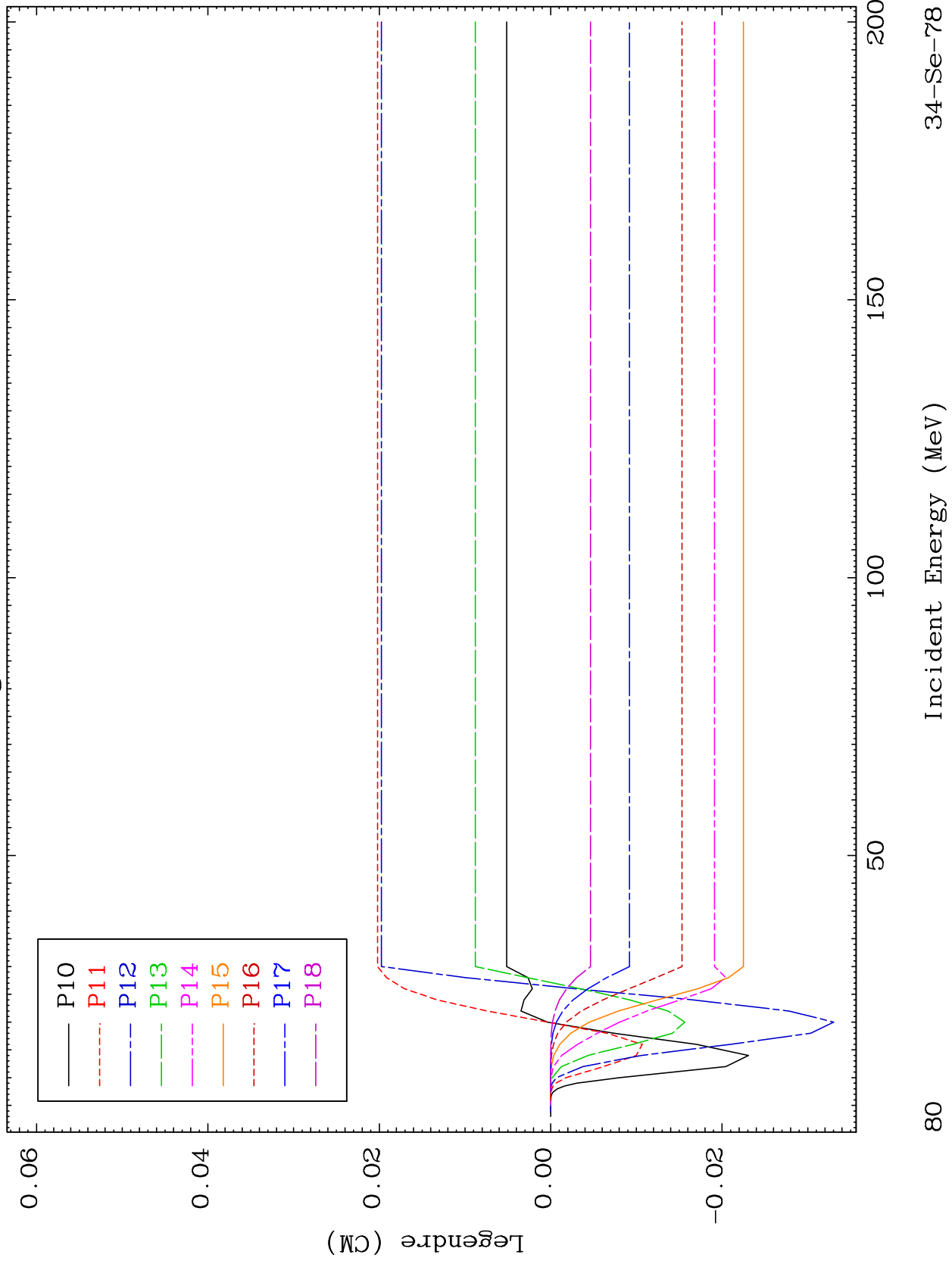
<sup>34</sup>Se-78



MAT 3437

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

34-Se-78



80

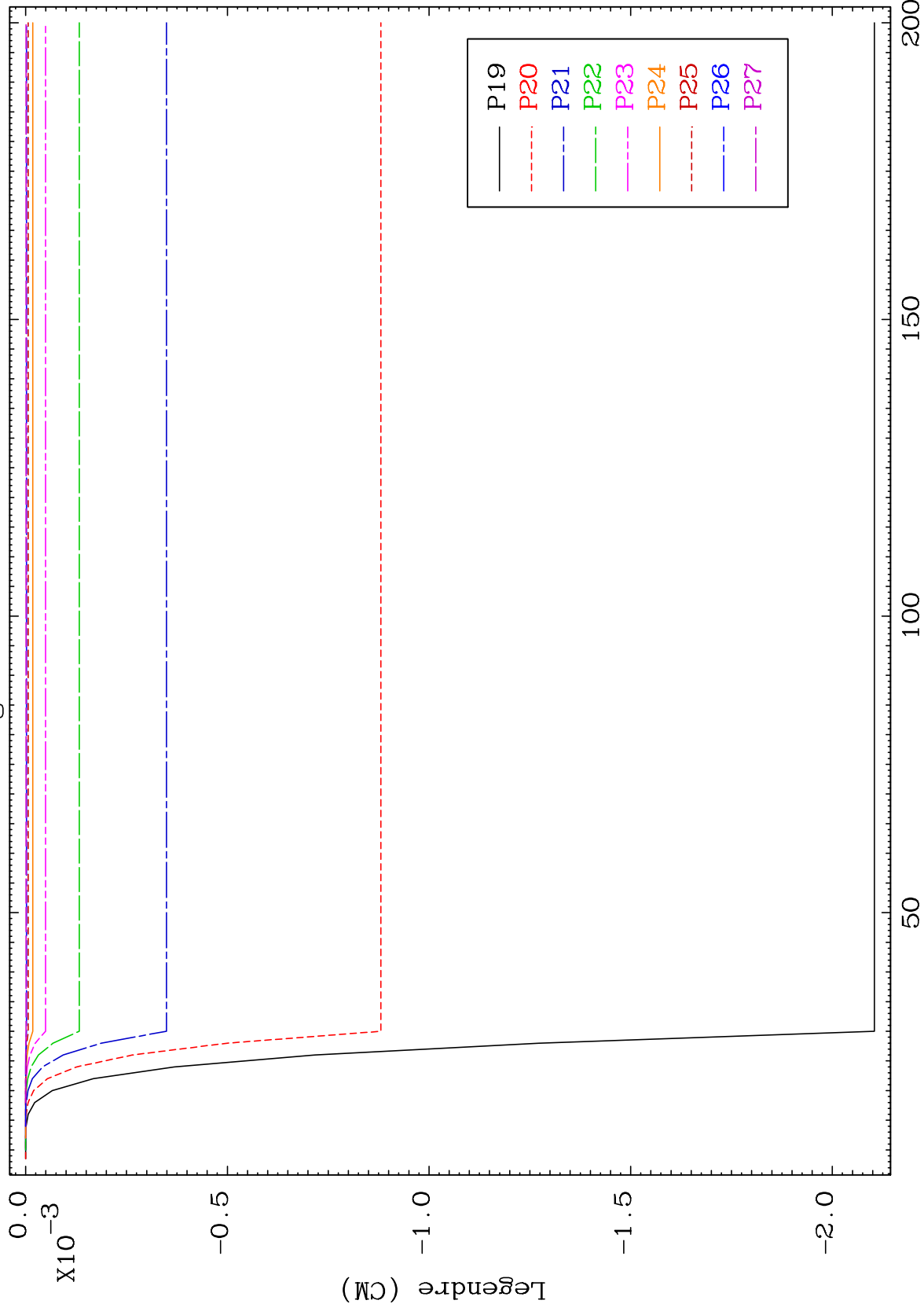
Incident Energy (MeV)

34-Se-78

MAT 3437

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

34-Se-78



81

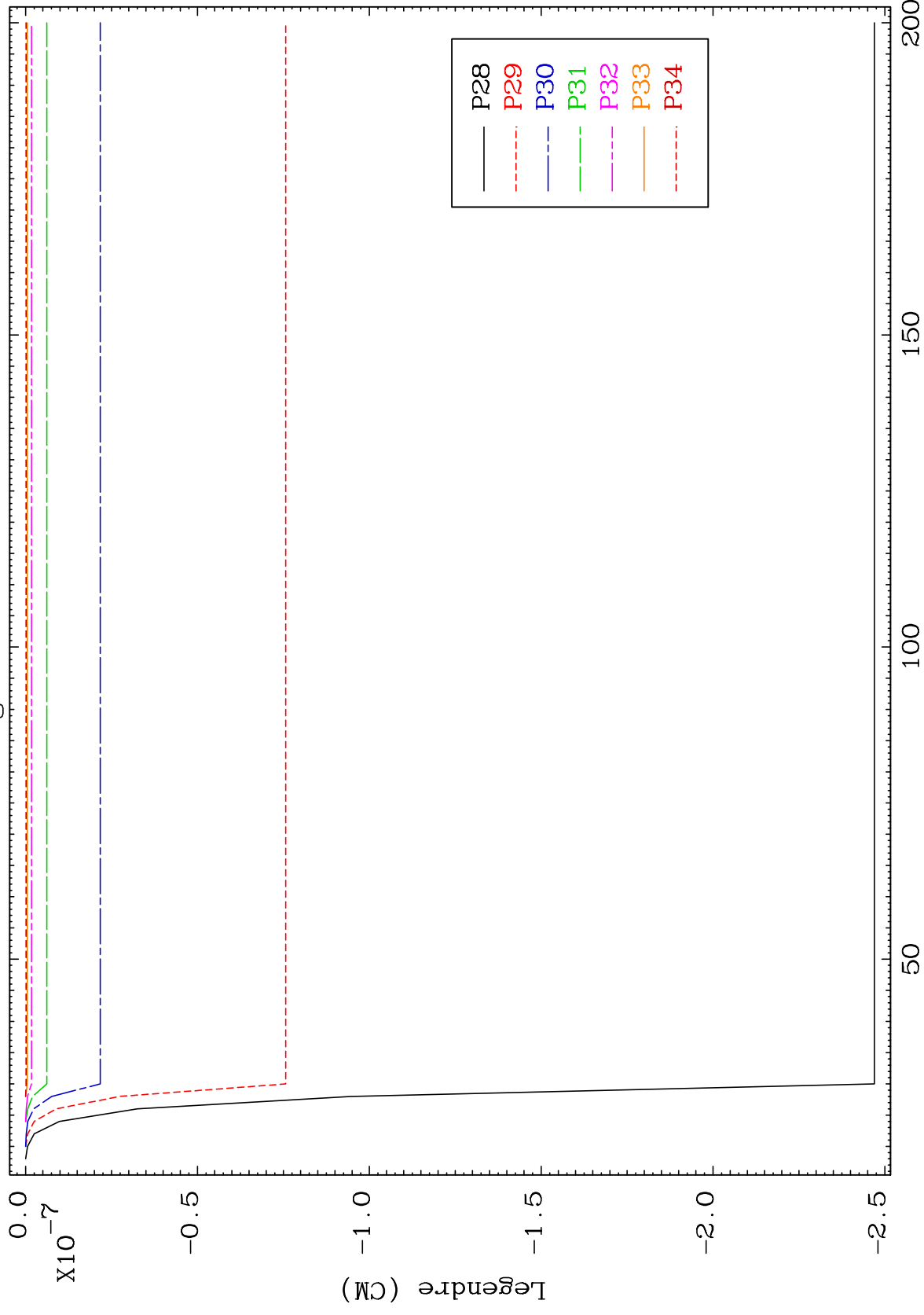
Incident Energy (MeV)

34-Se-78

MAT 3437

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

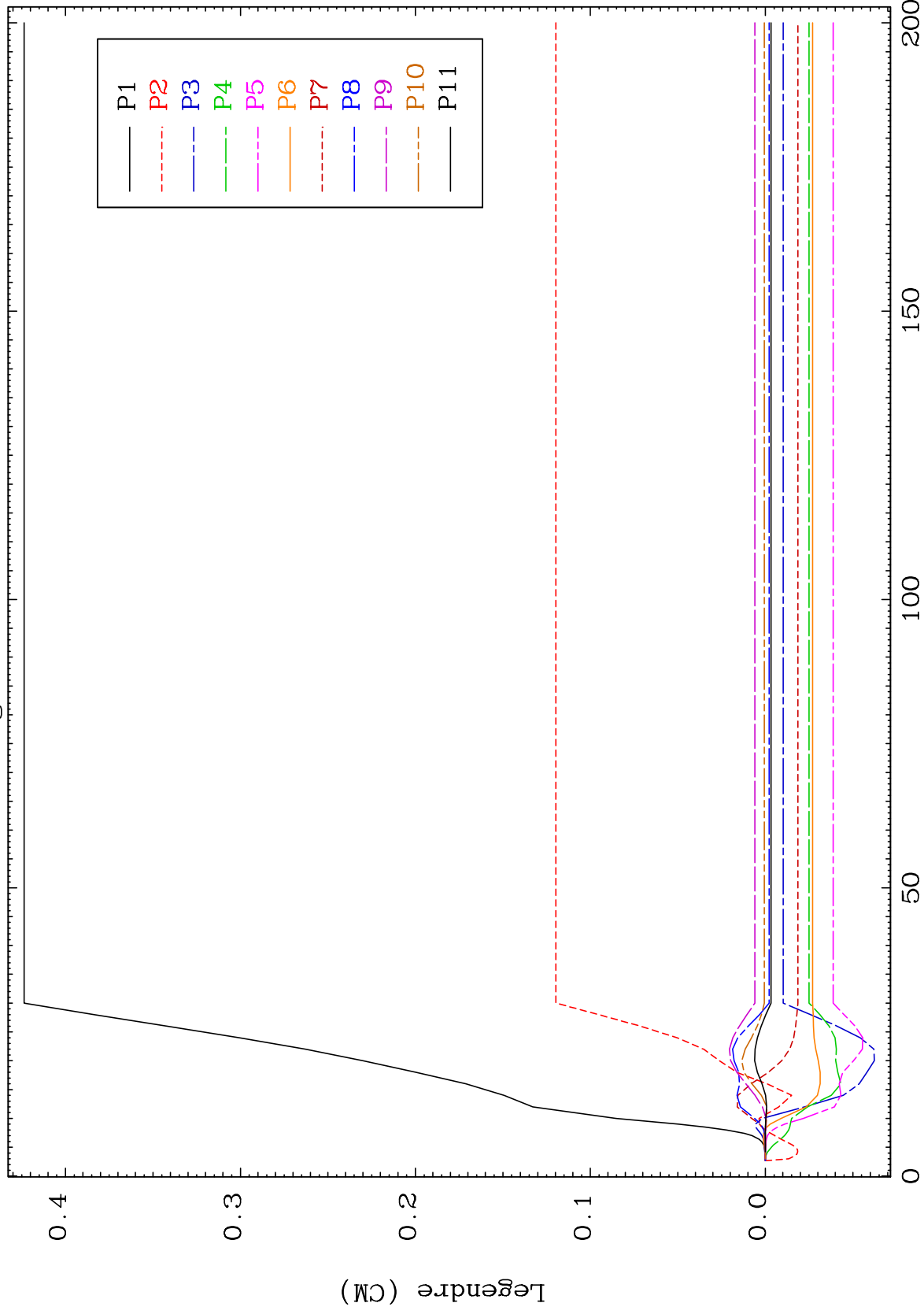
34-Se-78



MAT 3437

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

<sup>34</sup>Se-78



83

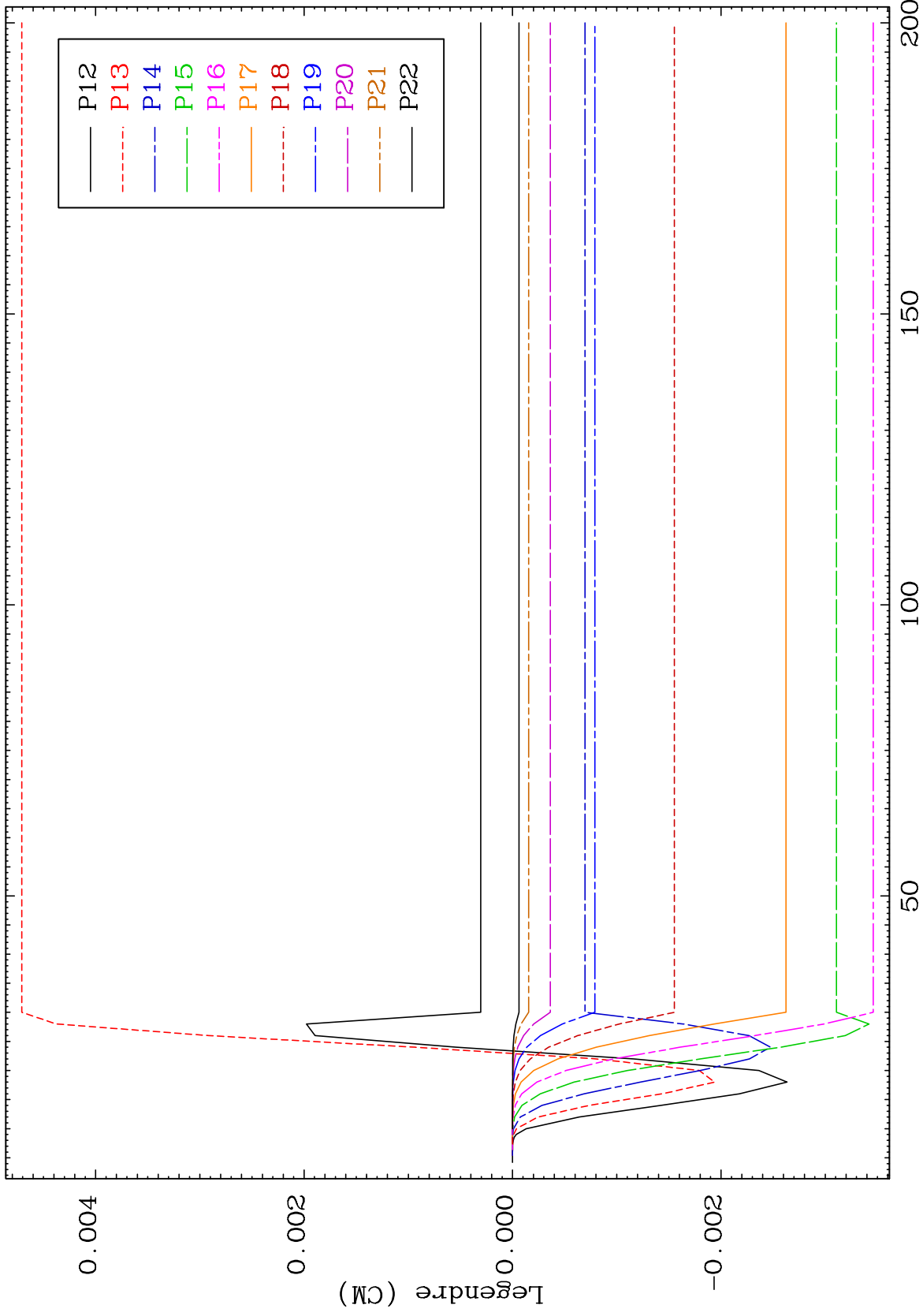
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

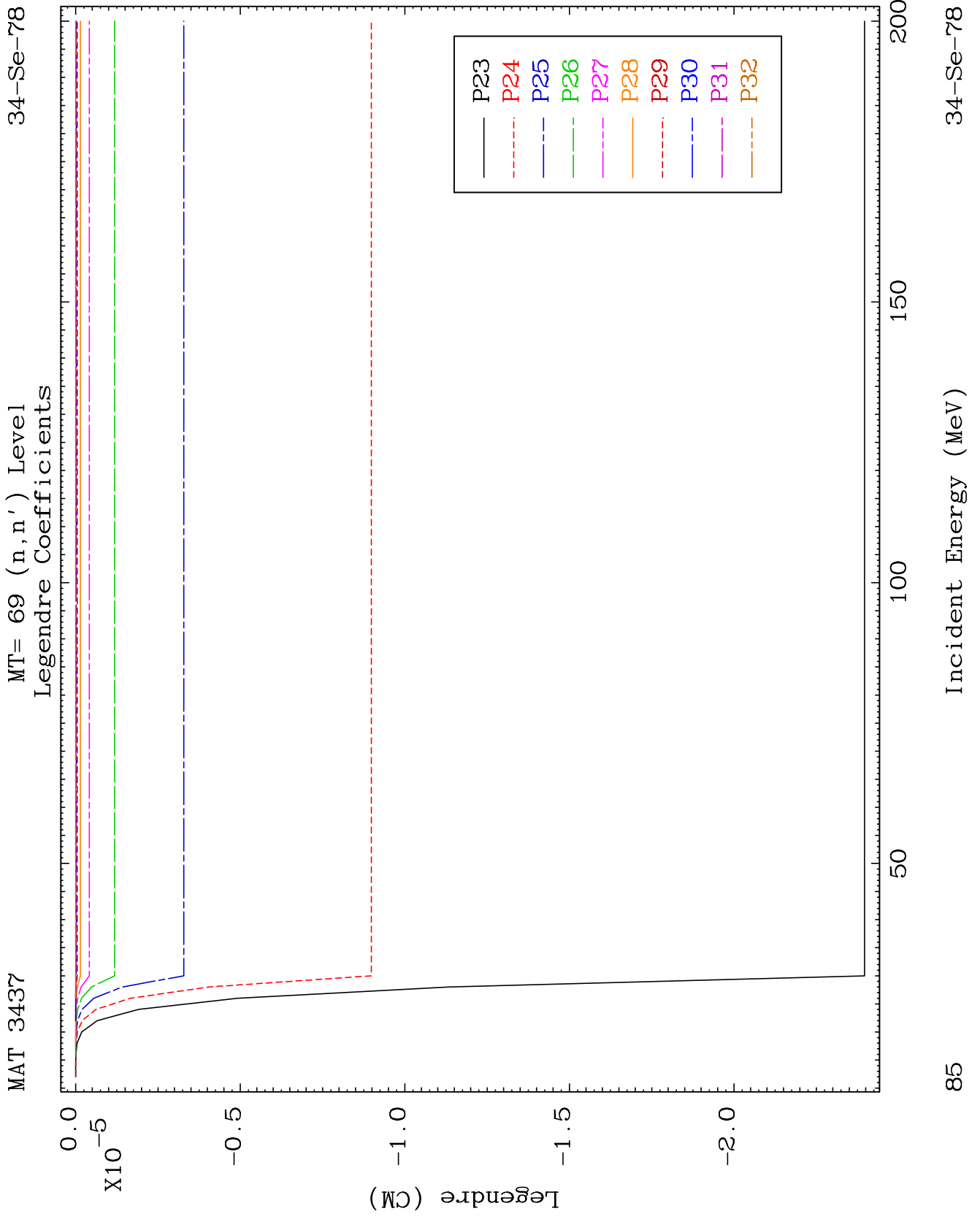
34-Se-78



84

Incident Energy (MeV)

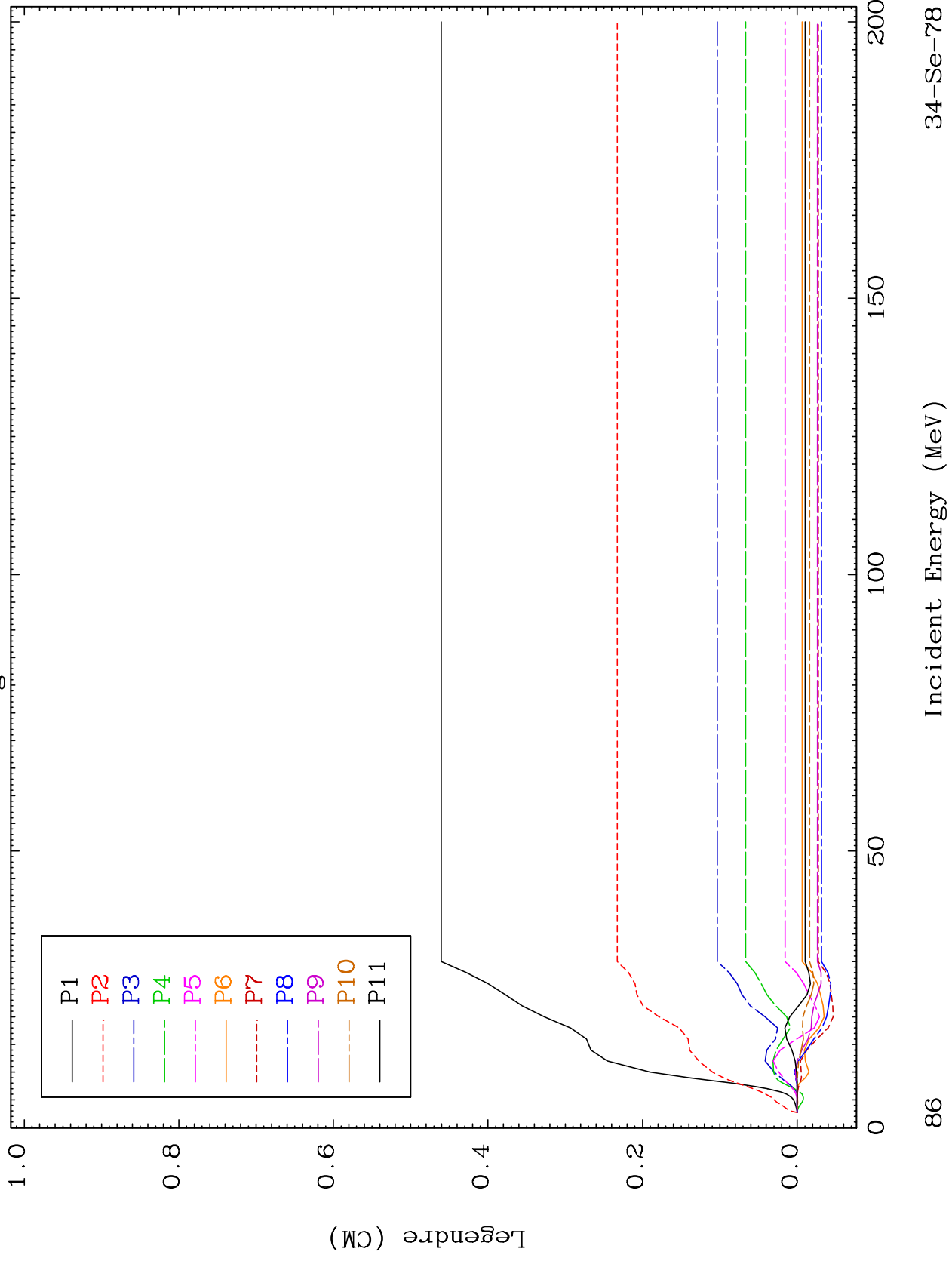
34-Se-78



MAT 3437

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

<sup>34</sup>Se-78



86

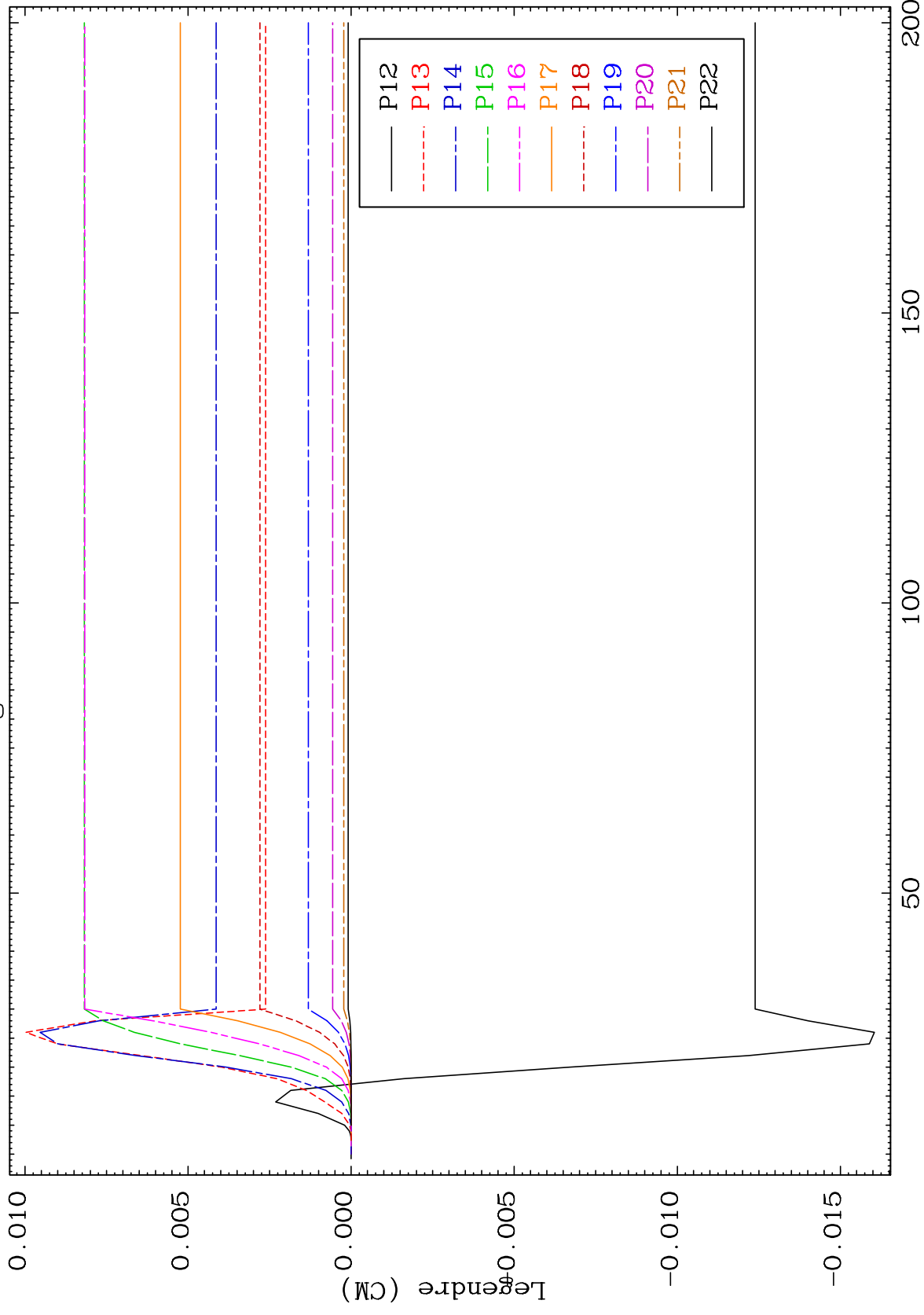
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

34-Se-78



87

Incident Energy (MeV)

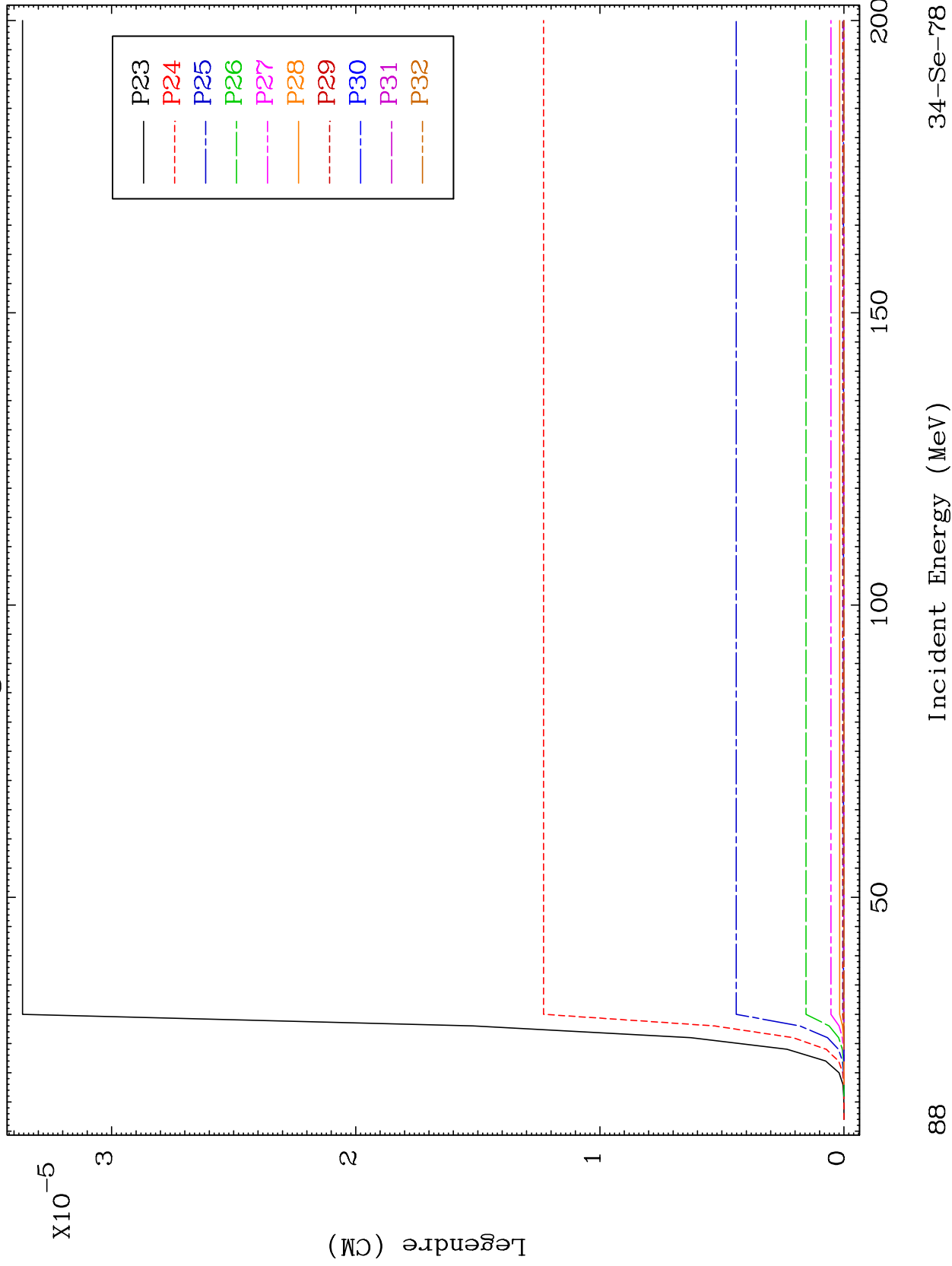
34-Se-78



MAT 3437

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

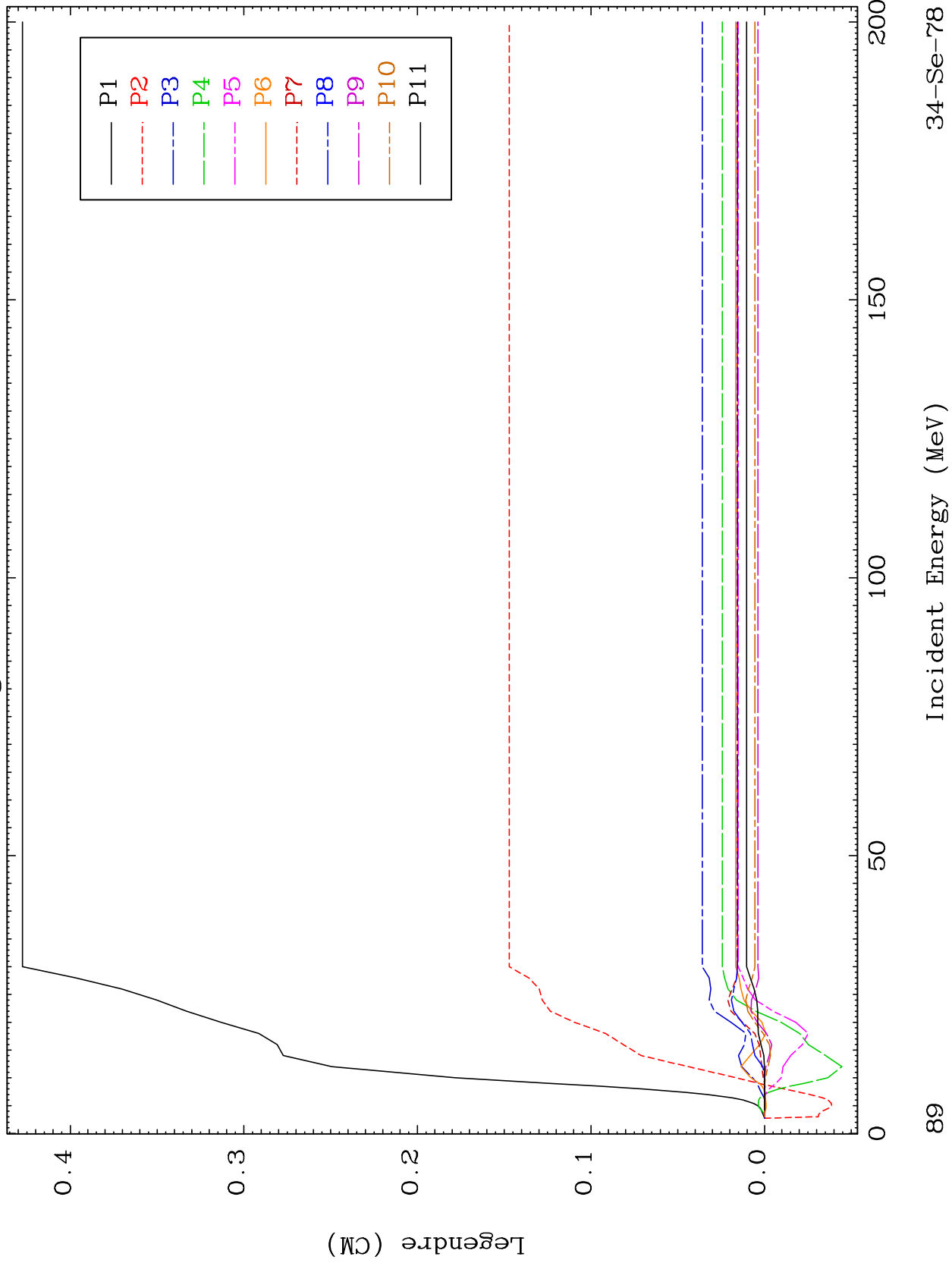
34-Se-78



MAT 3437

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

<sup>34</sup>Se-78



89

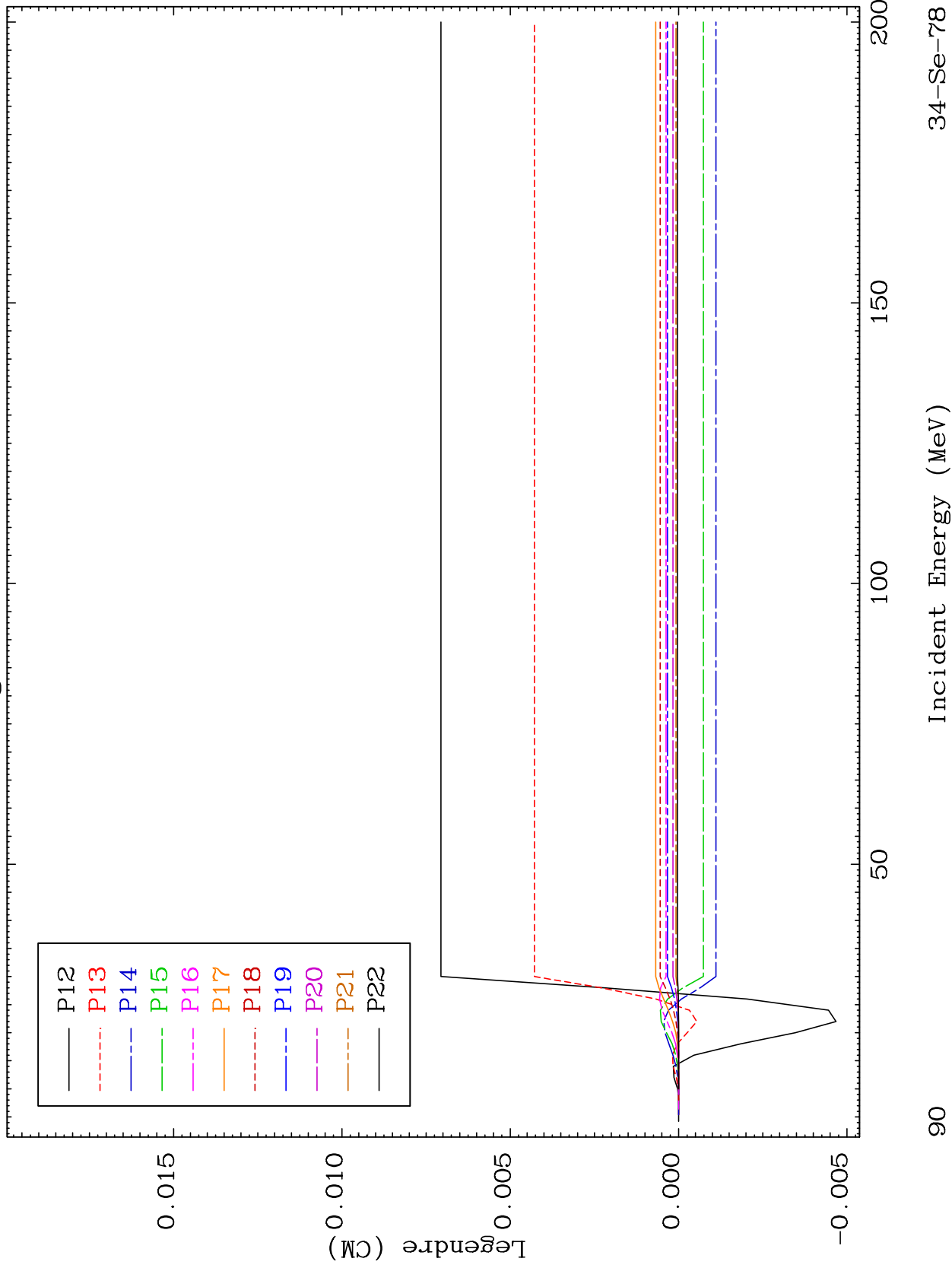
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

34-Se-78



90

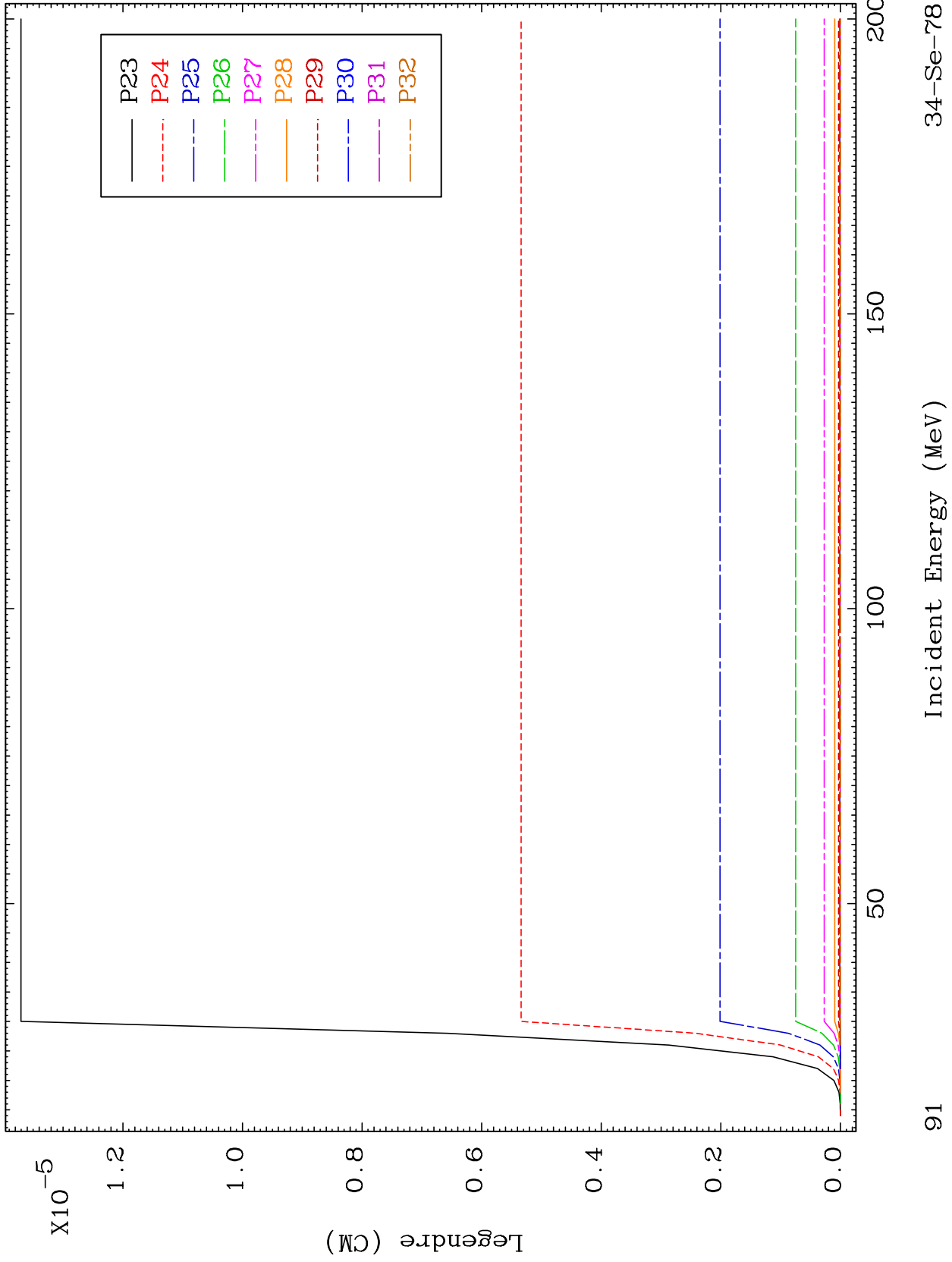
Incident Energy (MeV)

34-Se-78

MAT 3437

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

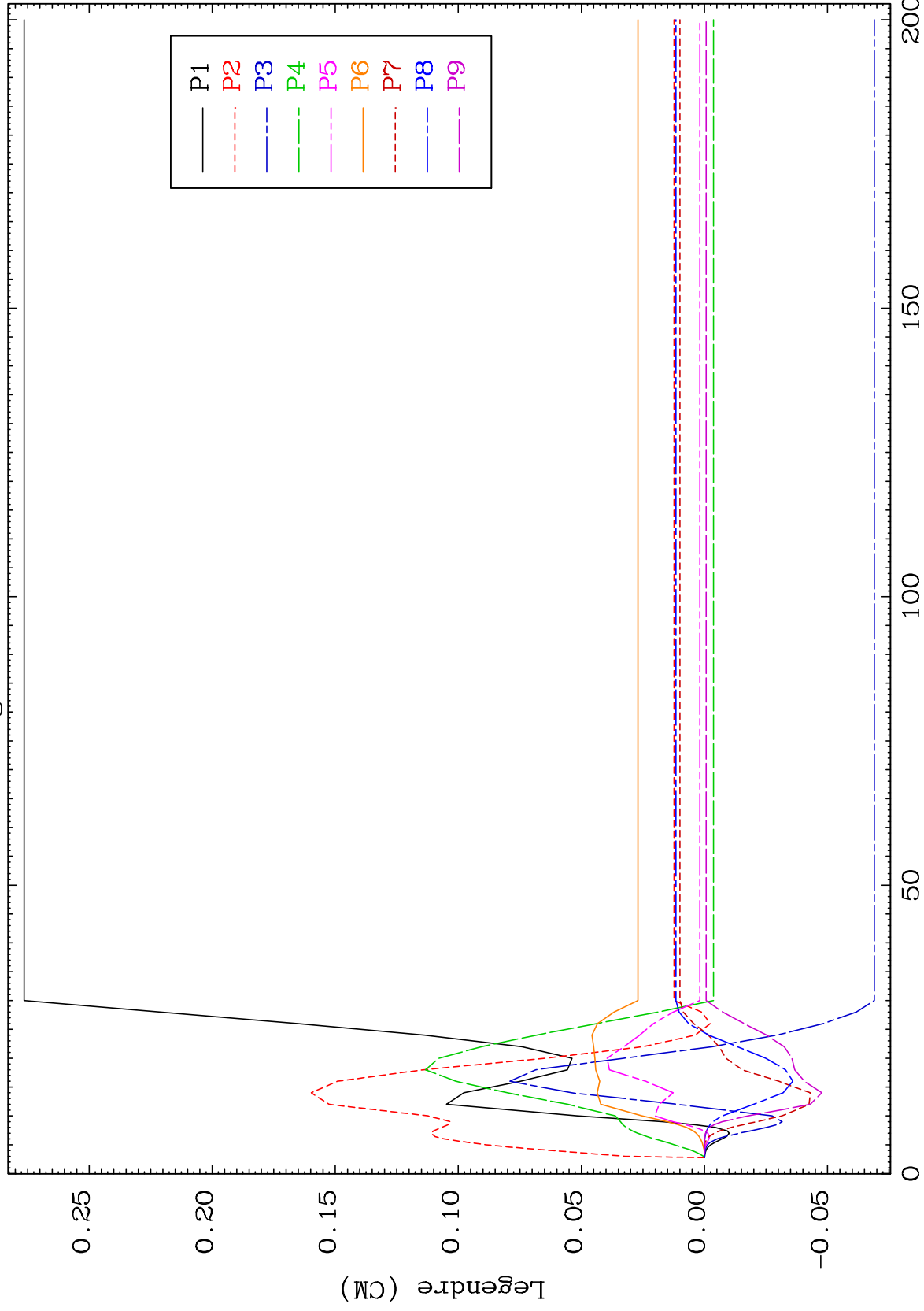
34-Se-78



MAT 3437

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

<sup>34</sup>Se-78



92

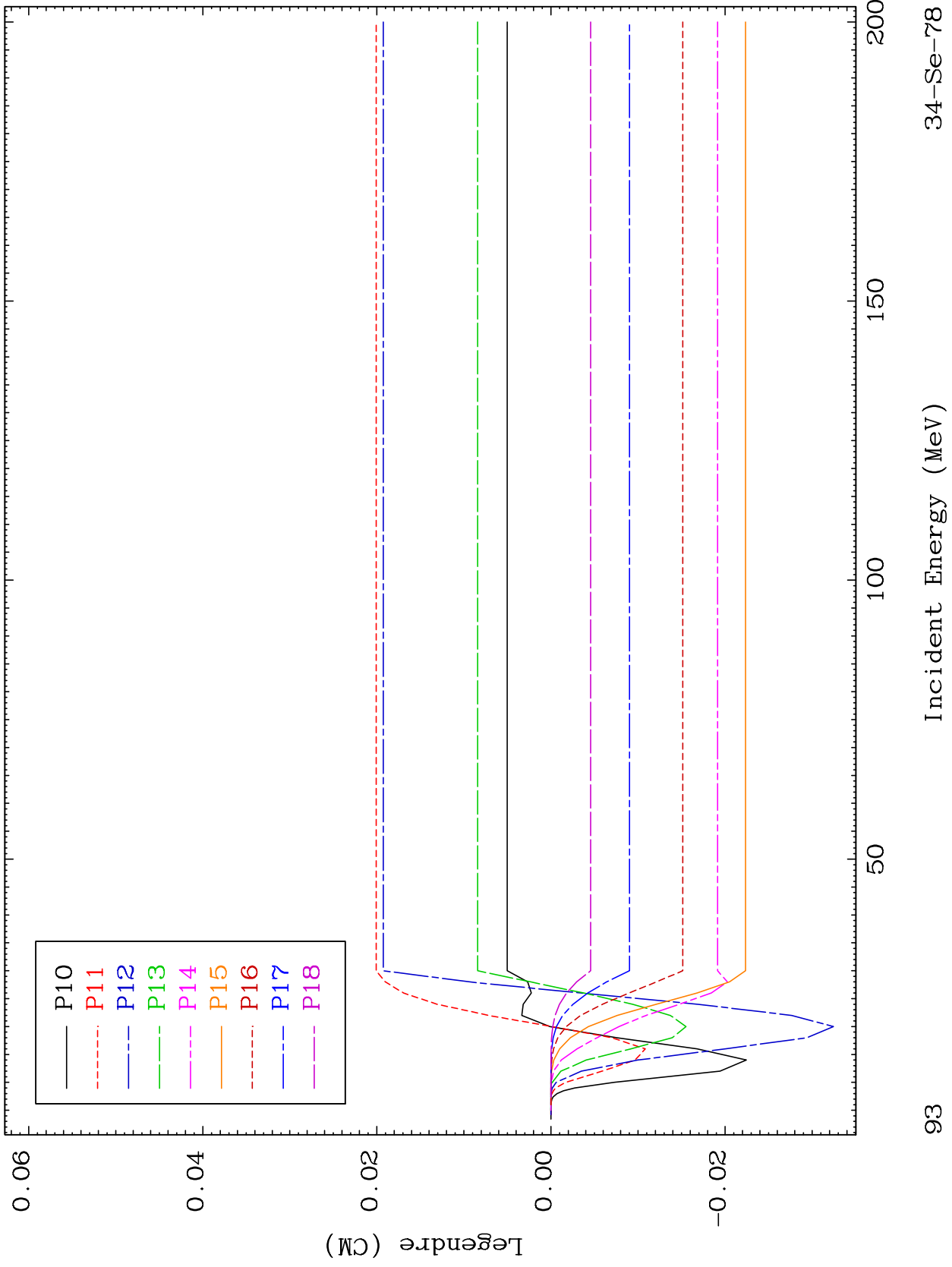
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

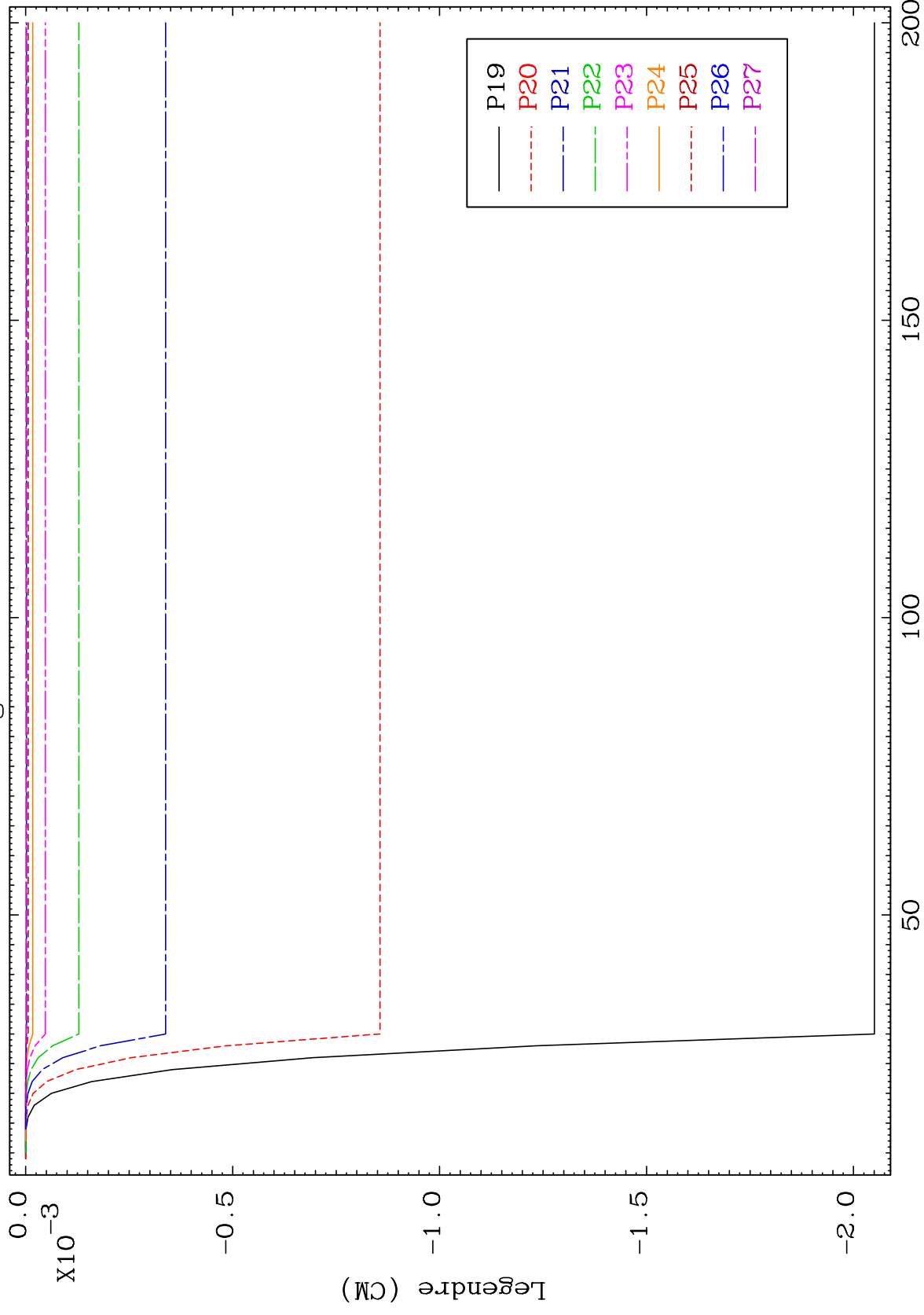
34-Se-78



MAT 3437

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

34-Se-78



94

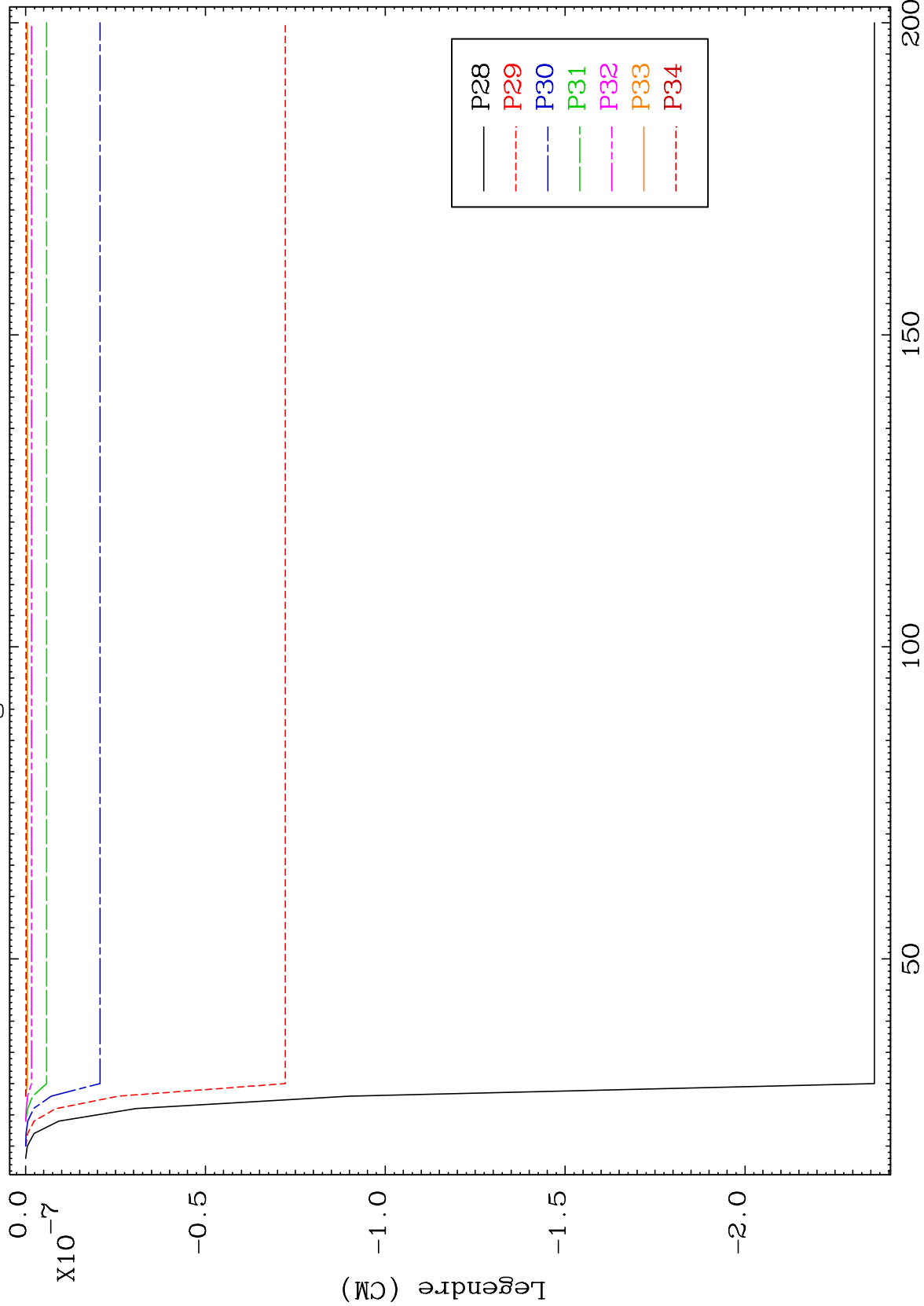
Incident Energy (MeV)

34-Se-78

MAT 3437

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

34-Se-78



95

Incident Energy (MeV)

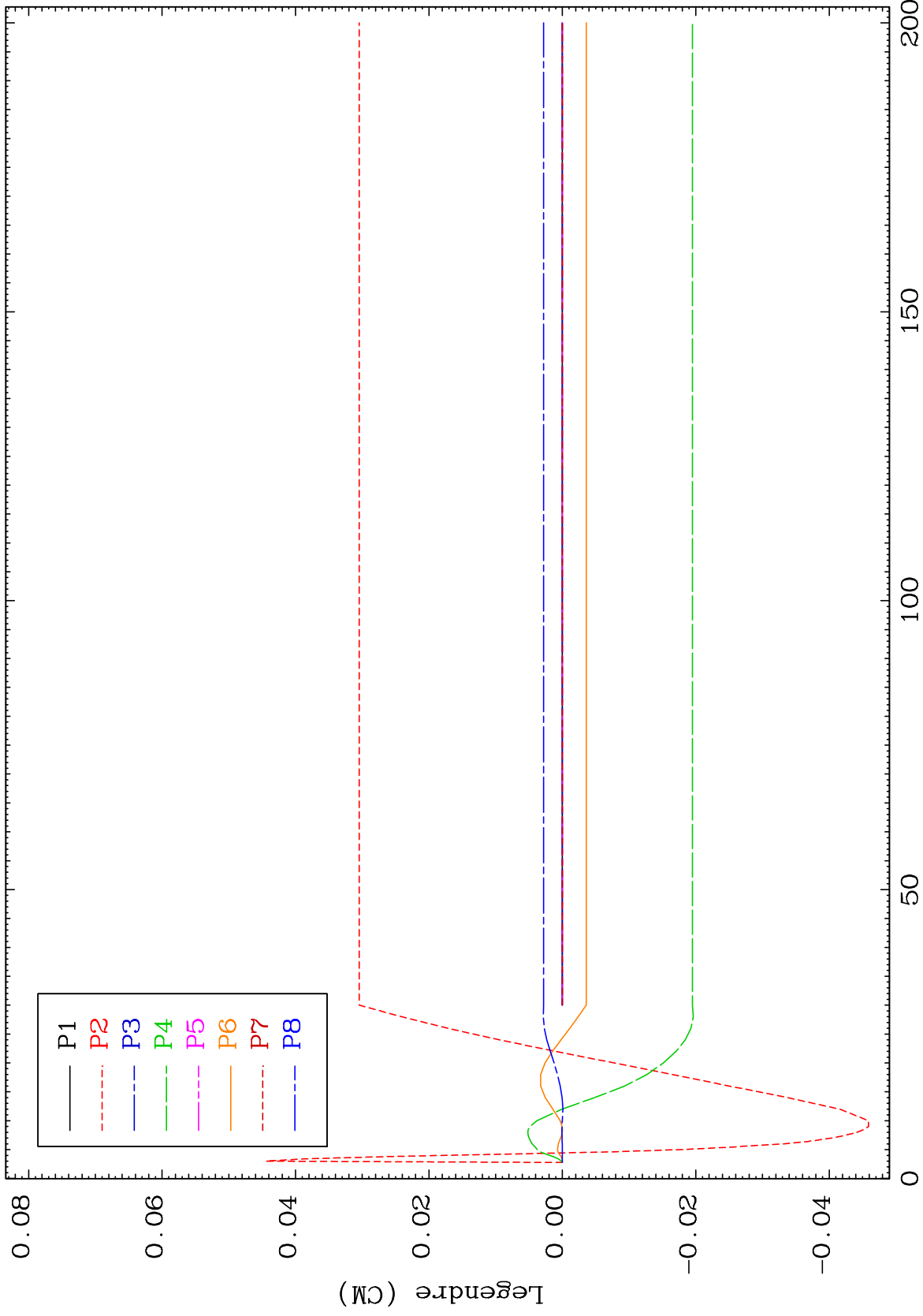
34-Se-78



MAT 3437

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

<sup>34</sup>Se-78



96

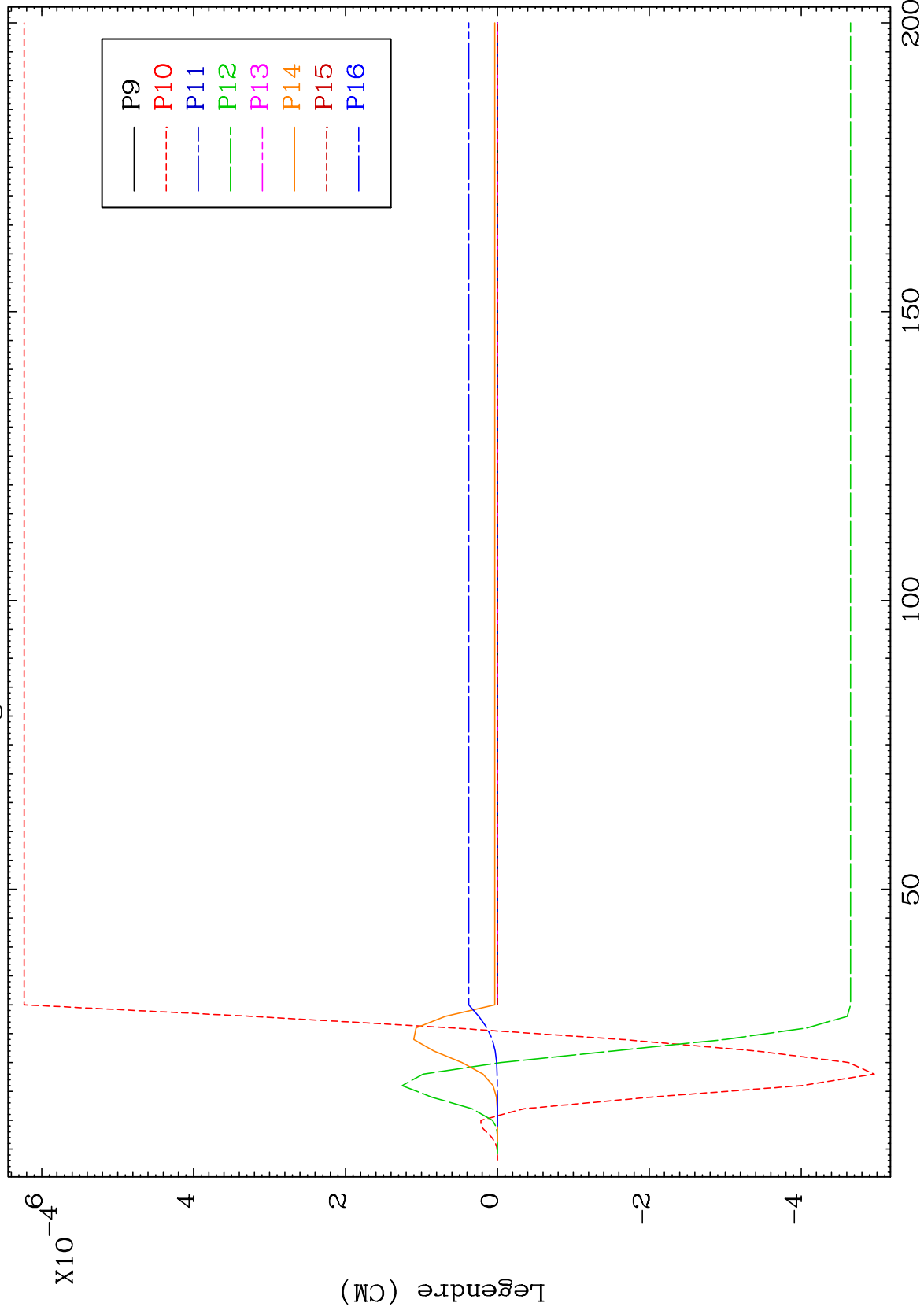
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

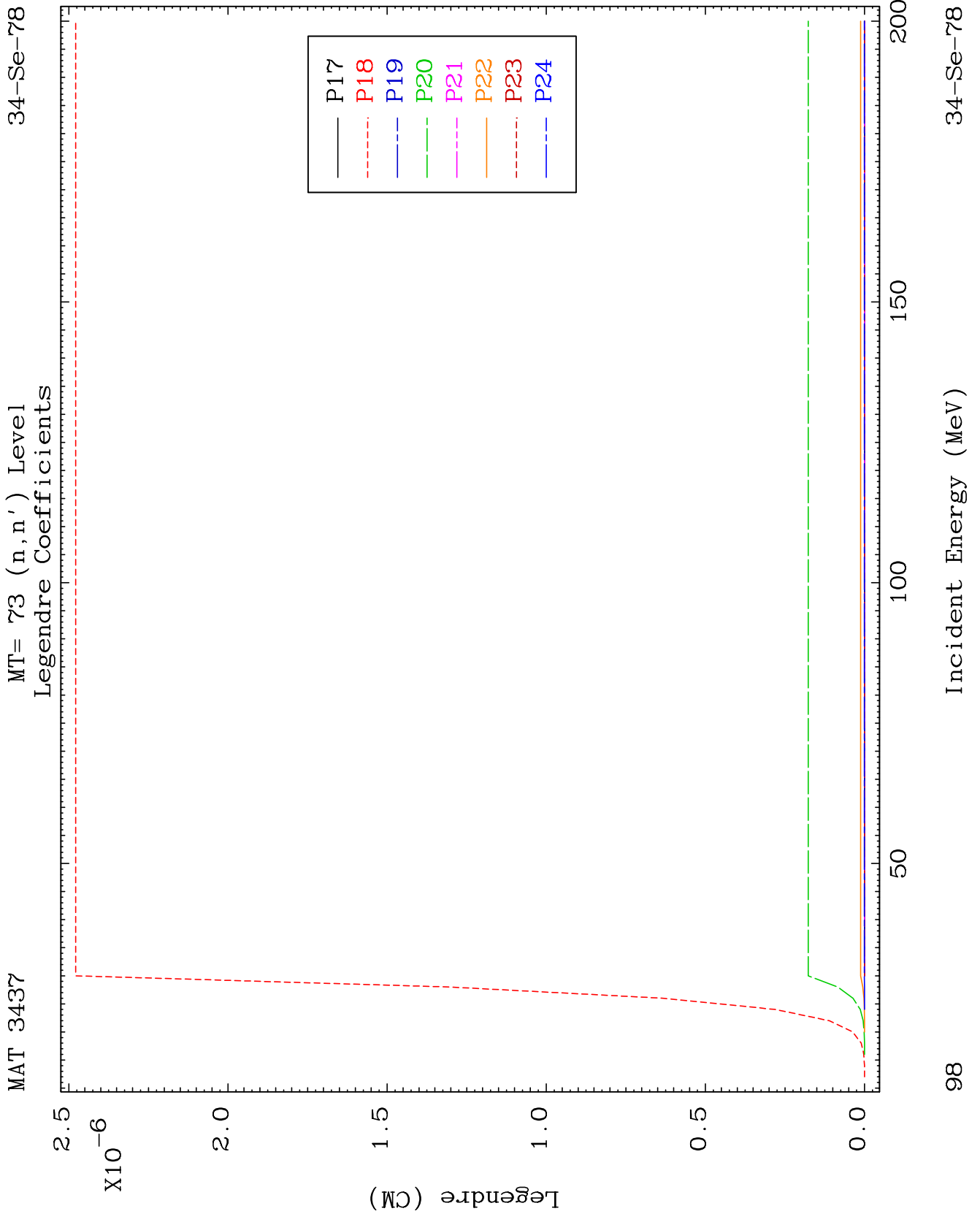
34-Se-78



97

Incident Energy (MeV)

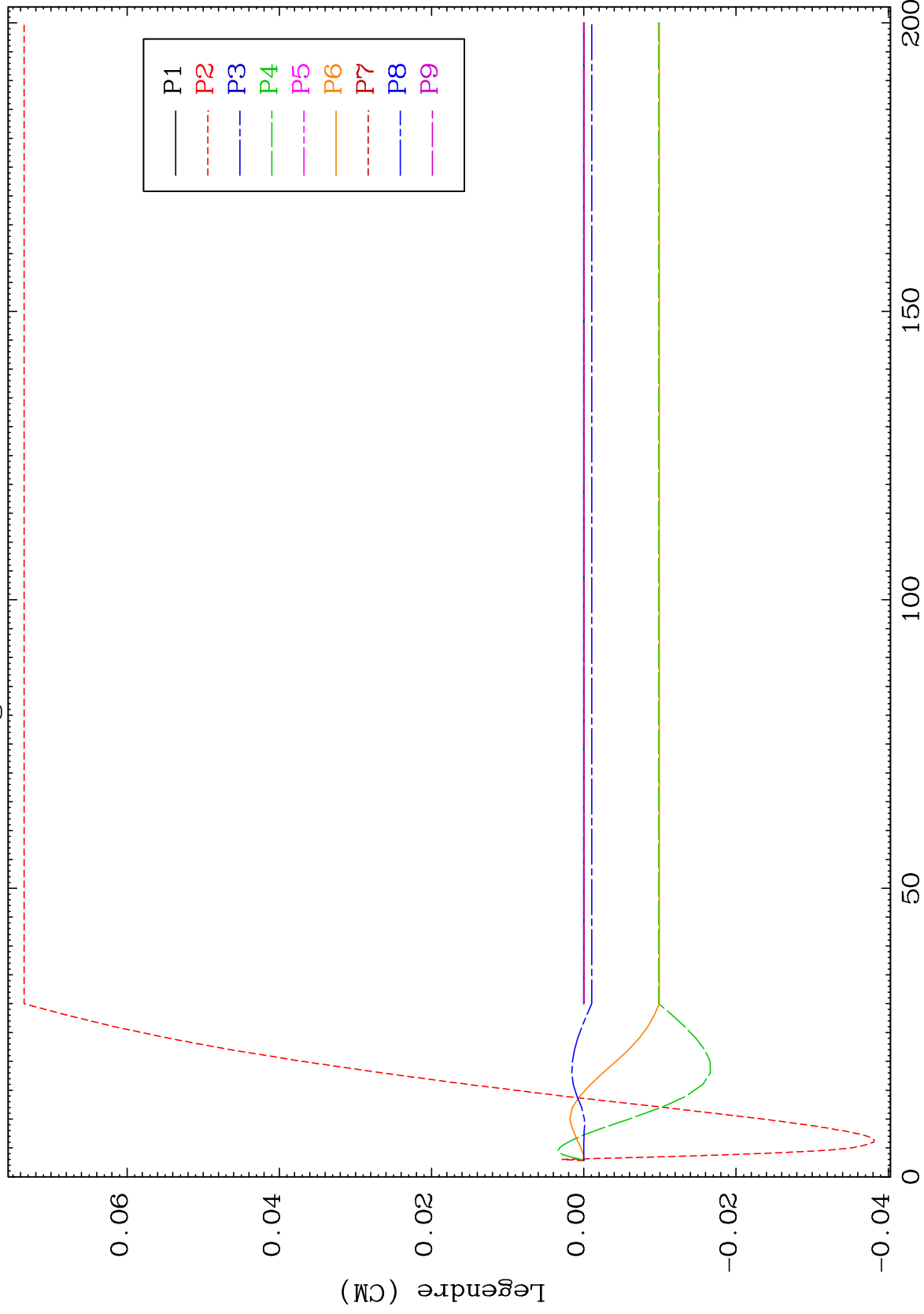
34-Se-78



MAT 3437

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

<sup>34</sup>Se-78



99

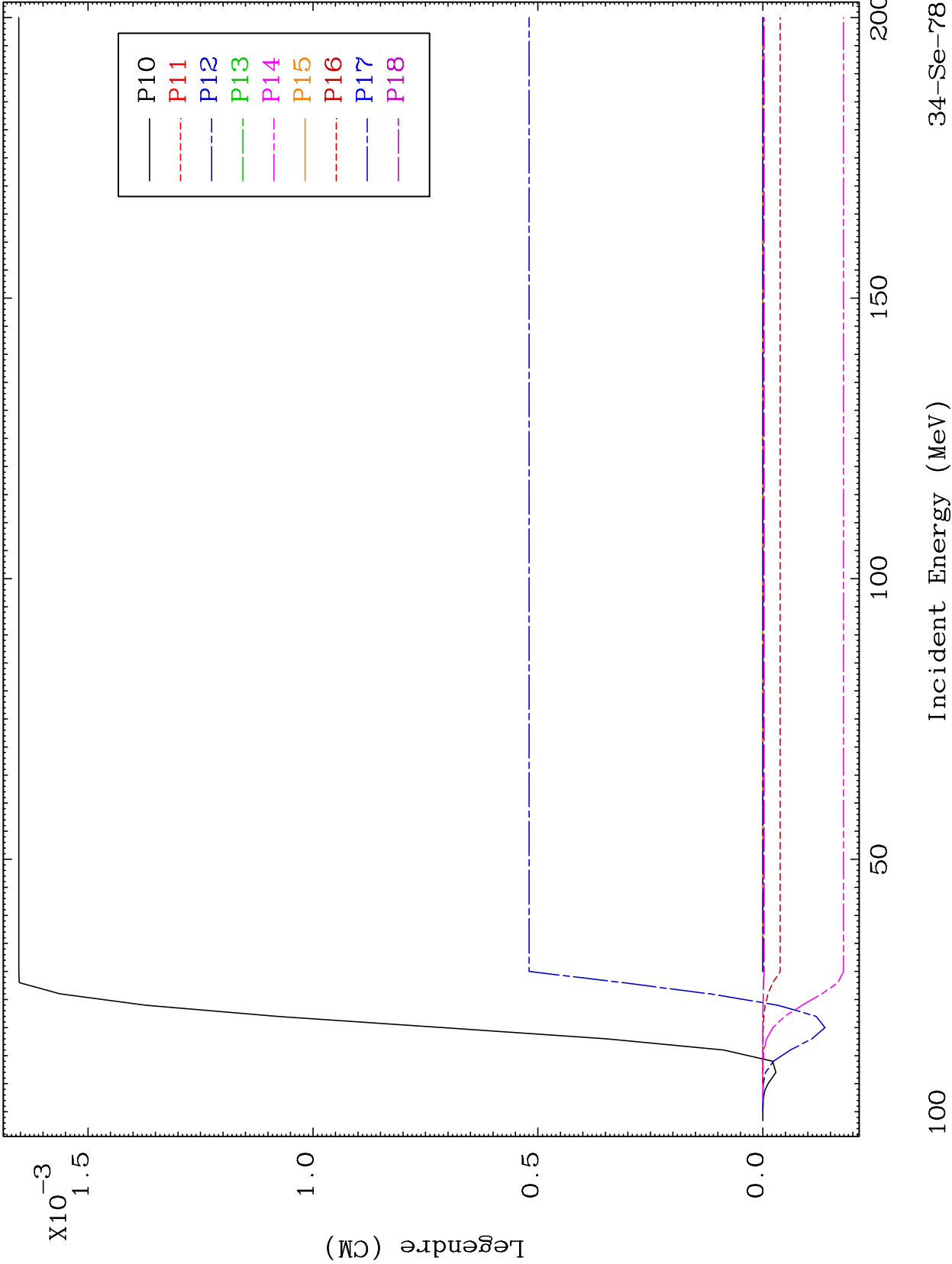
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

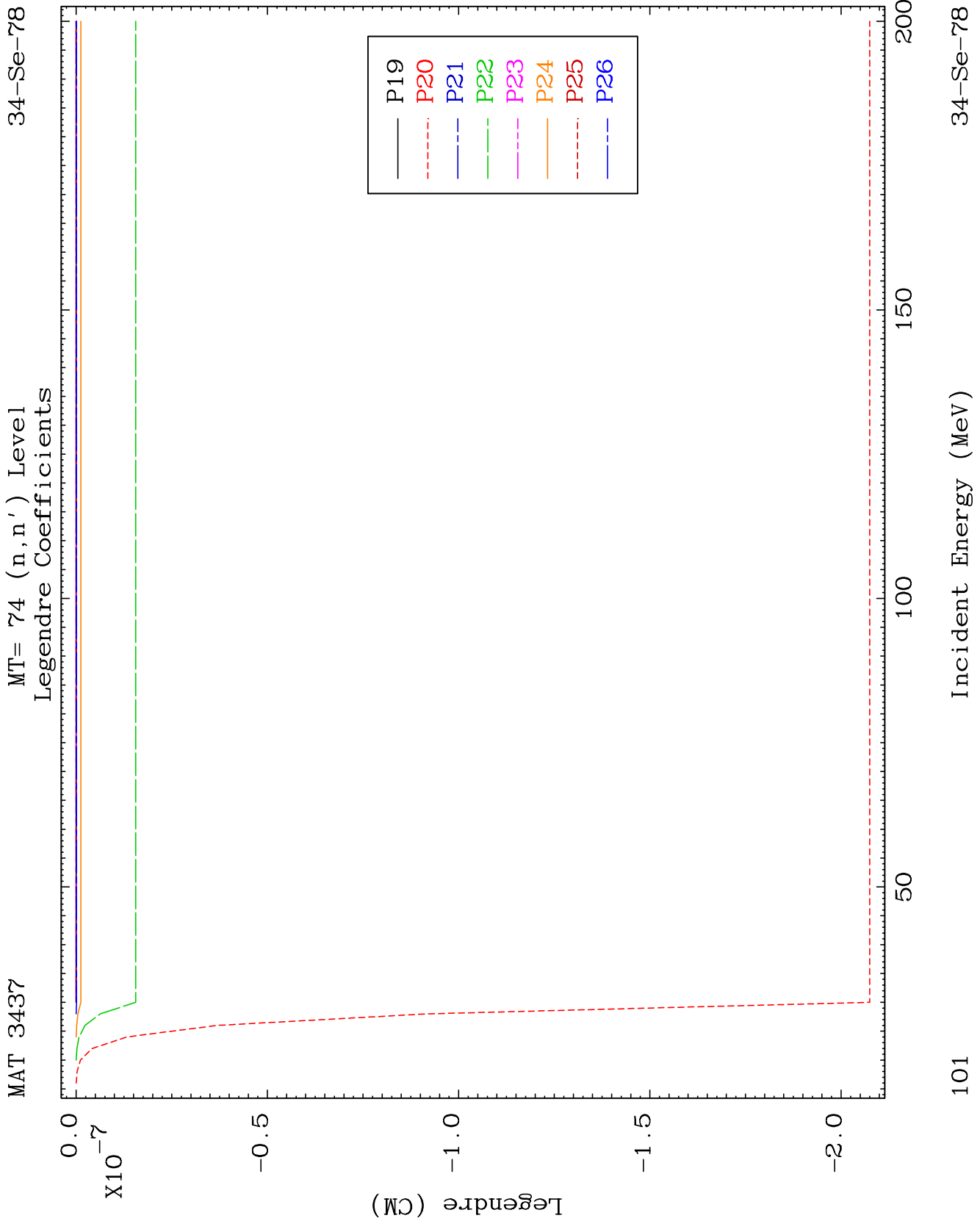
34-Se-78



34-Se-78

Incident Energy (MeV)

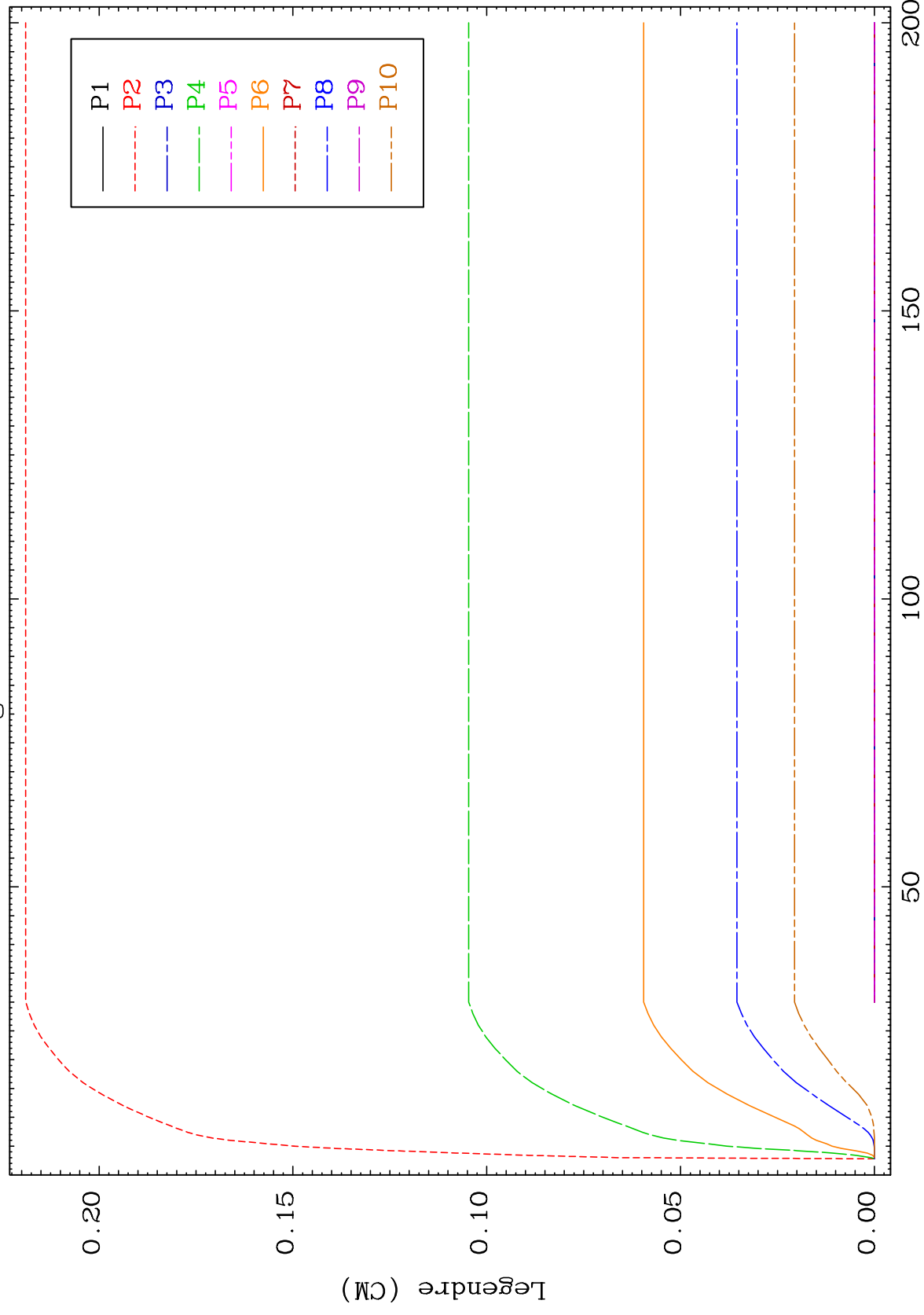
100



MAT 3437

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

<sup>34</sup>Se-78



102

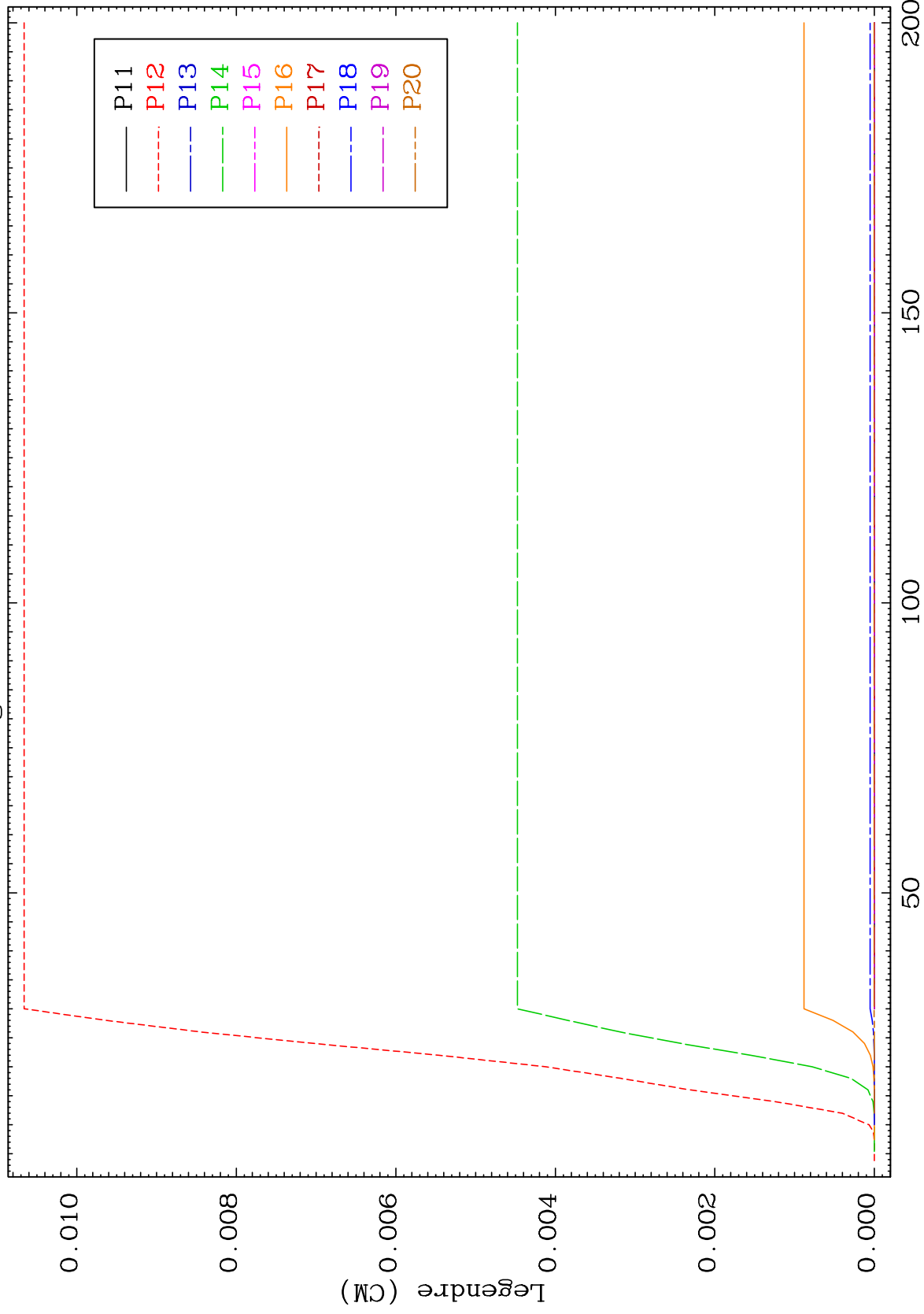
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

34-Se-78



103

Incident Energy (MeV)

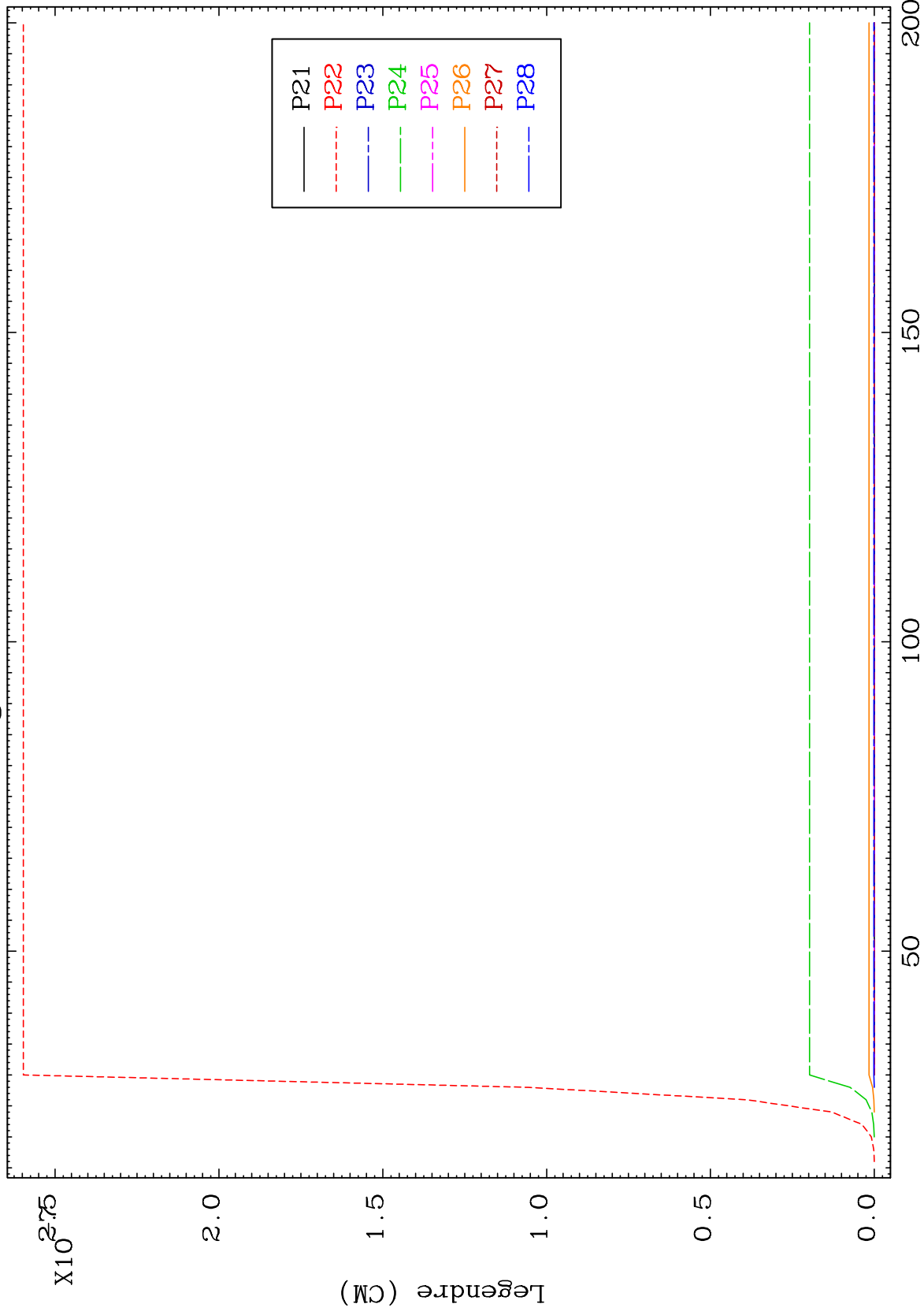
34-Se-78



MAT 3437

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

34-Se-78



104

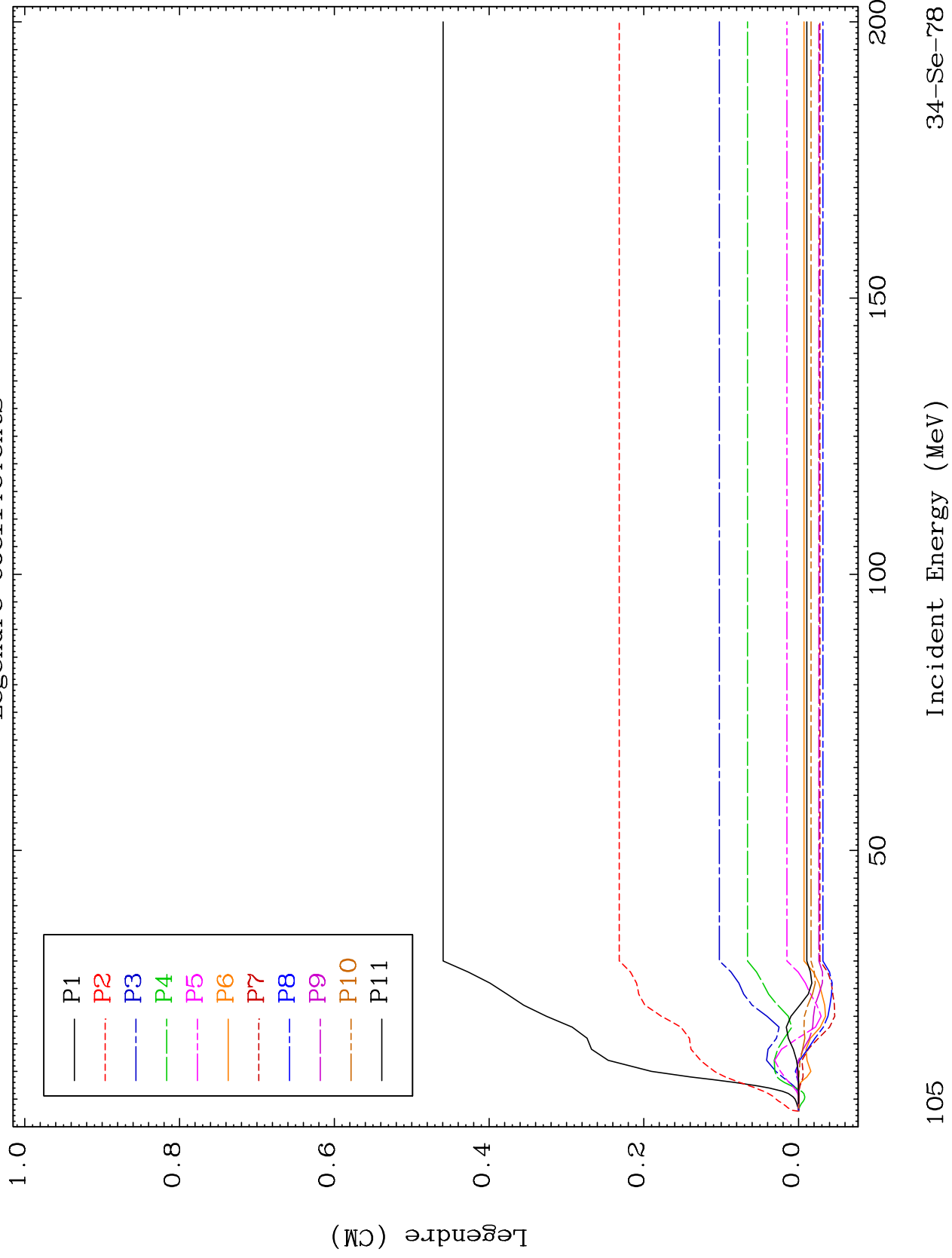
Incident Energy (MeV)

34-Se-78

MAT 3437

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

<sup>34</sup>Se-78



<sup>34</sup>Se-78

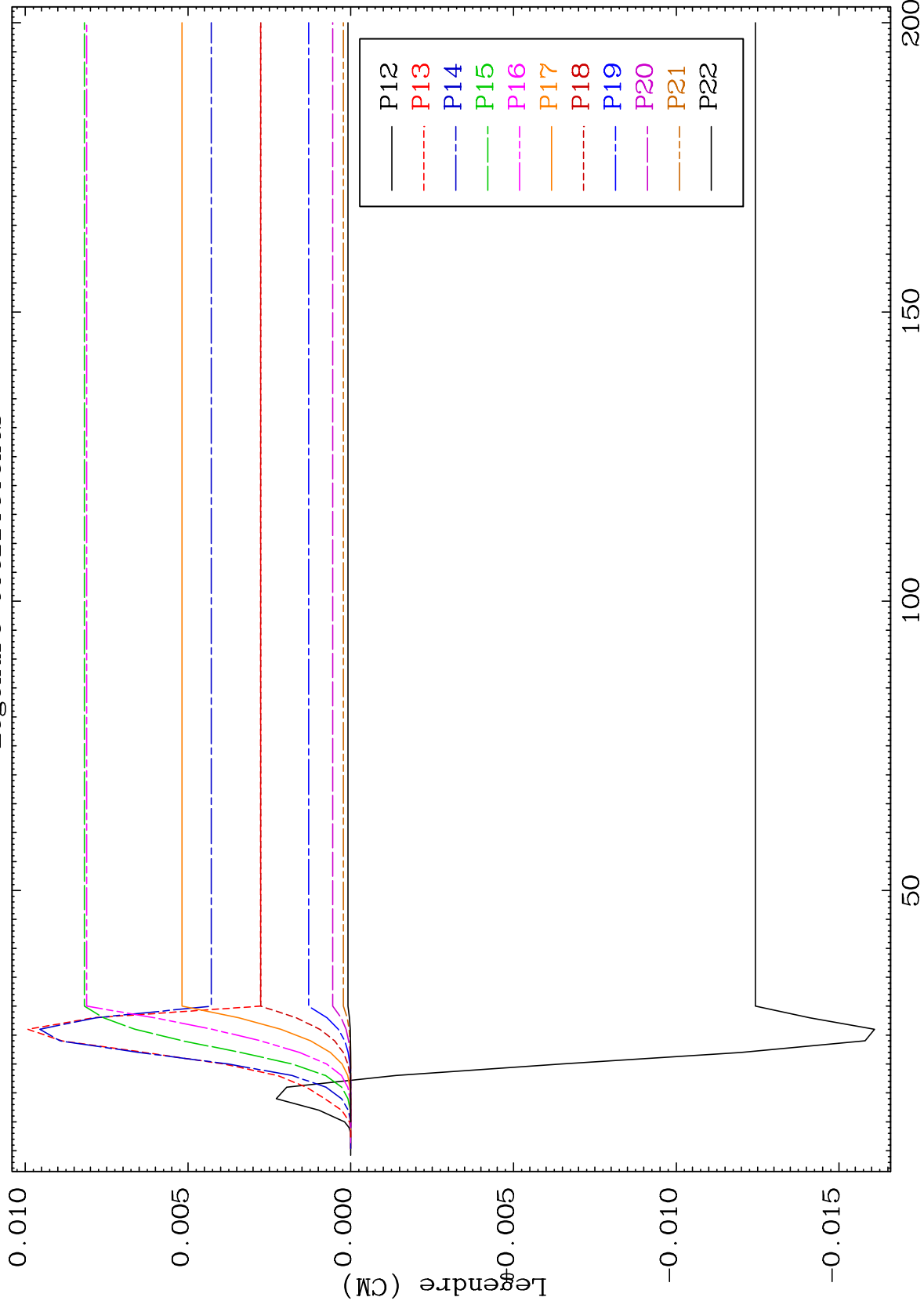
Incident Energy (MeV)

105

MAT 3437

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

34-Se-78



106

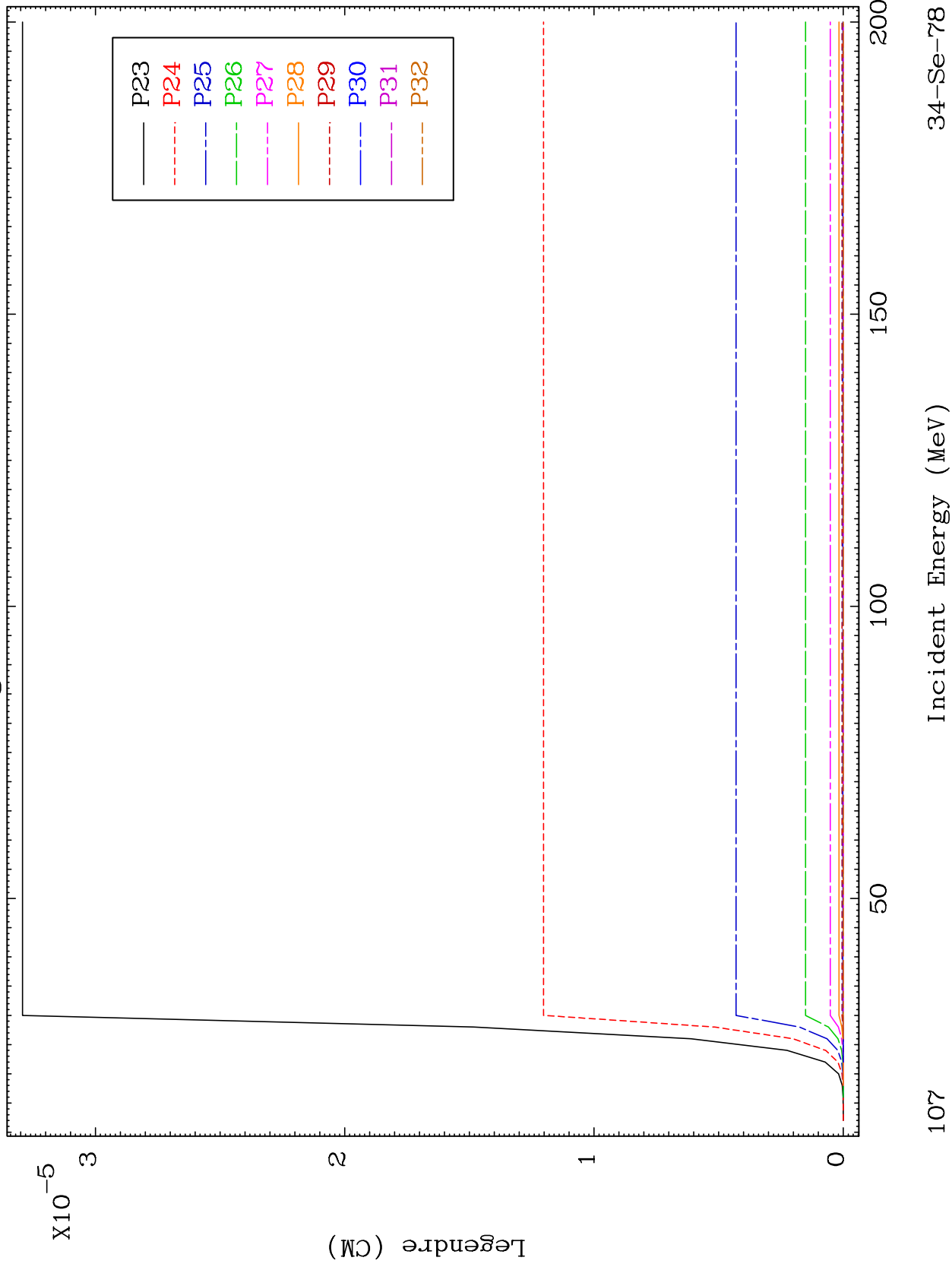
Incident Energy (MeV)

34-Se-78

MAT 3437

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

<sup>34</sup>Se-78



107

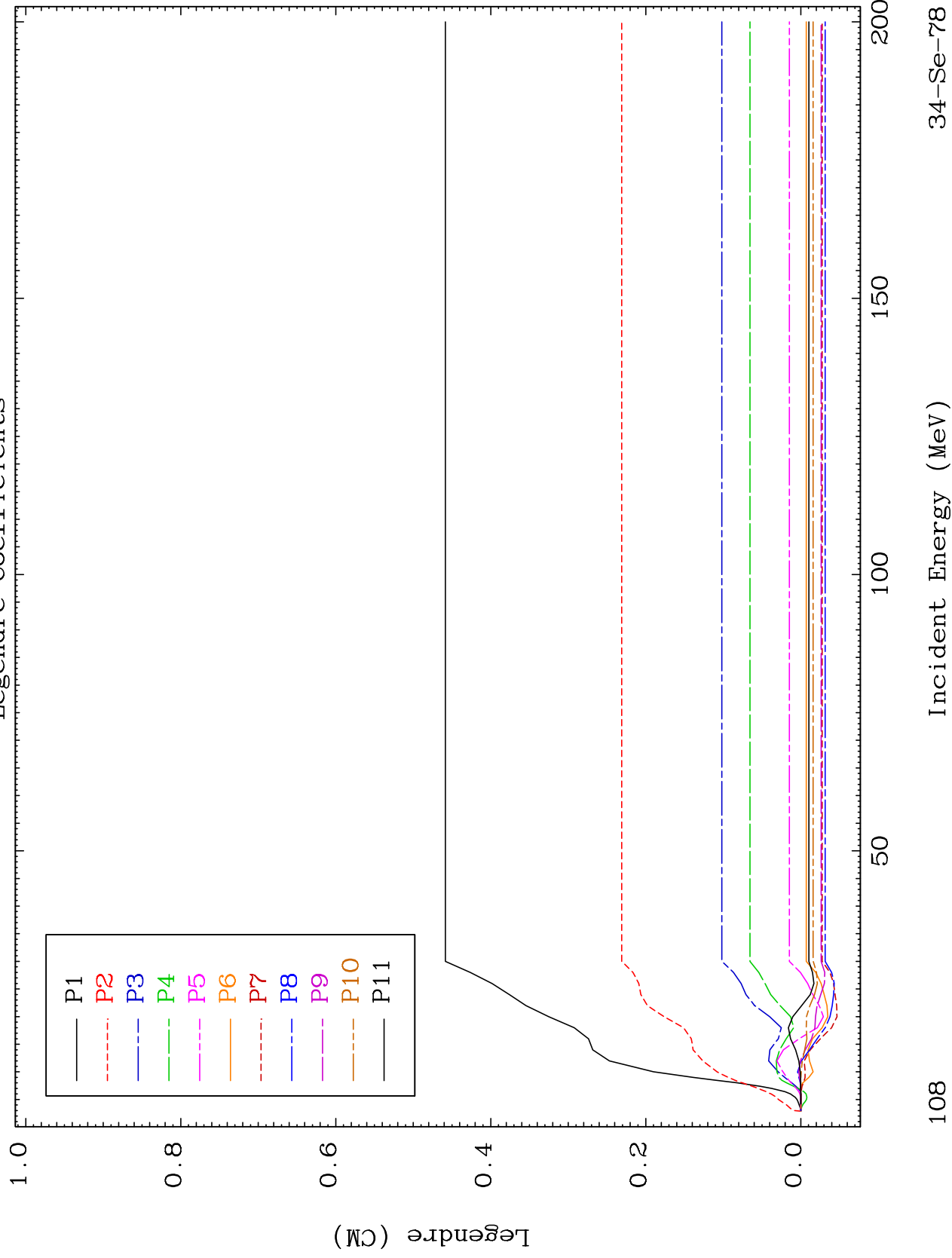
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

<sup>34</sup>Se-78



108

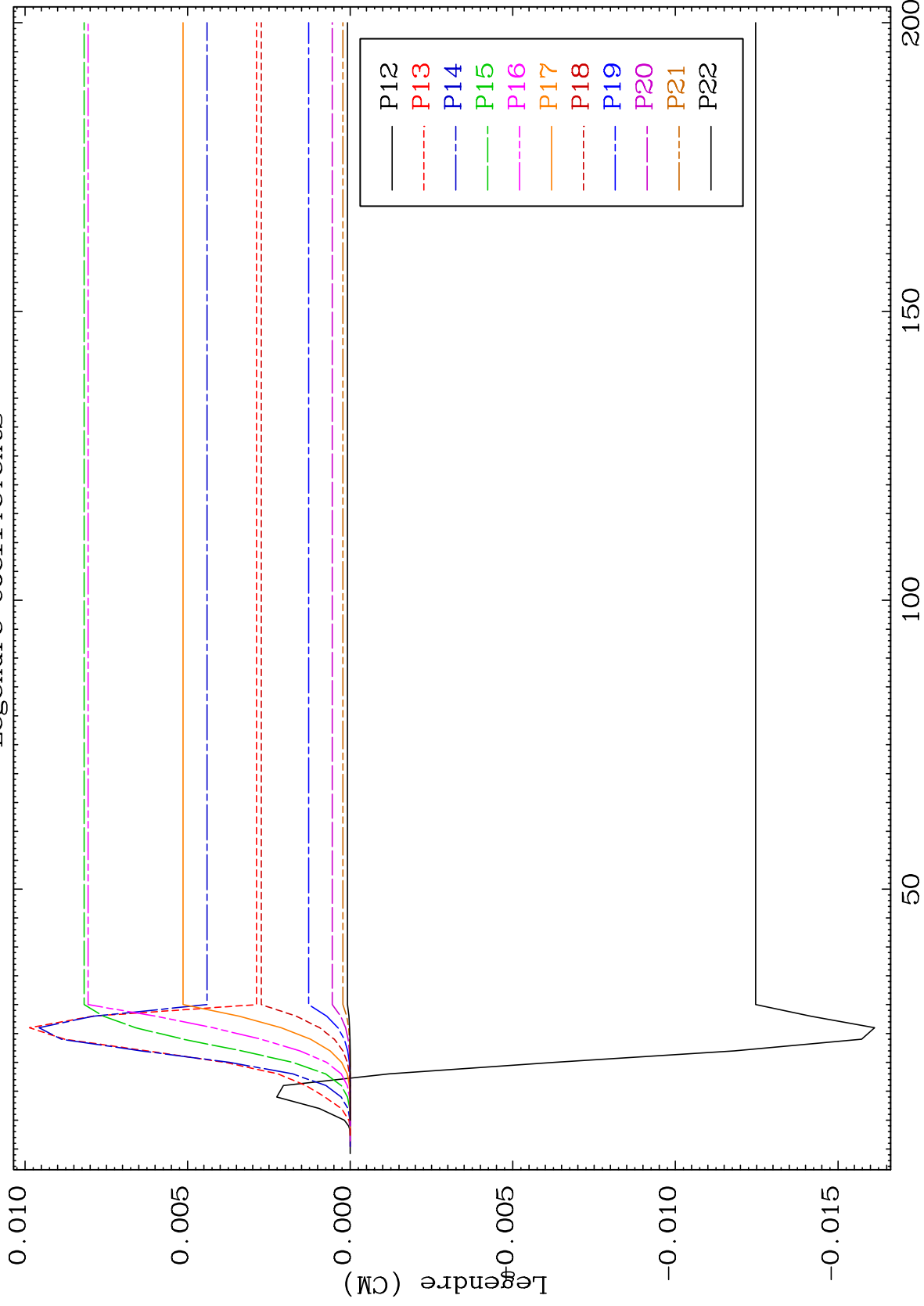
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

34-Se-78



109

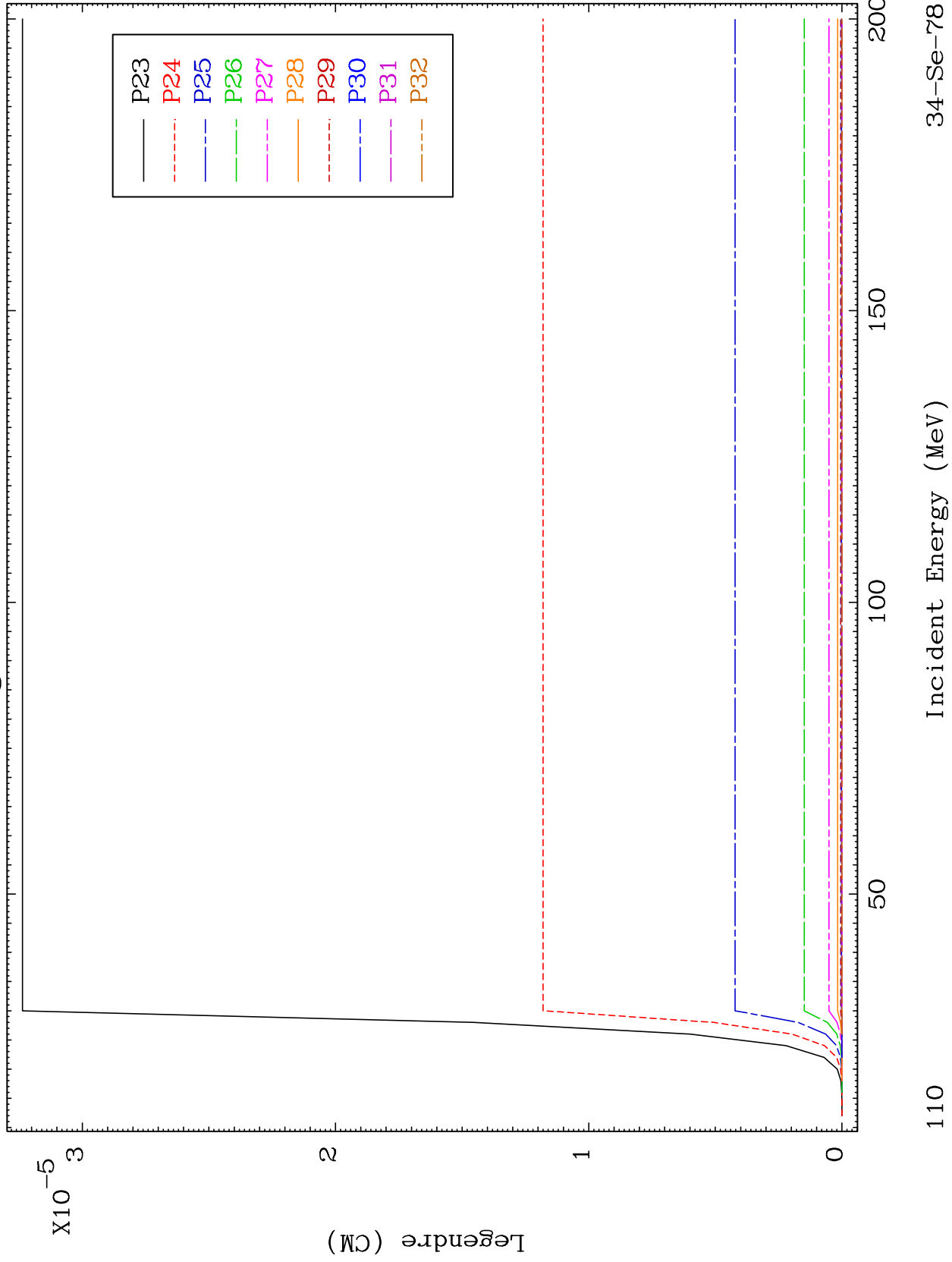
Incident Energy (MeV)

34-Se-78

MAT 3437

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

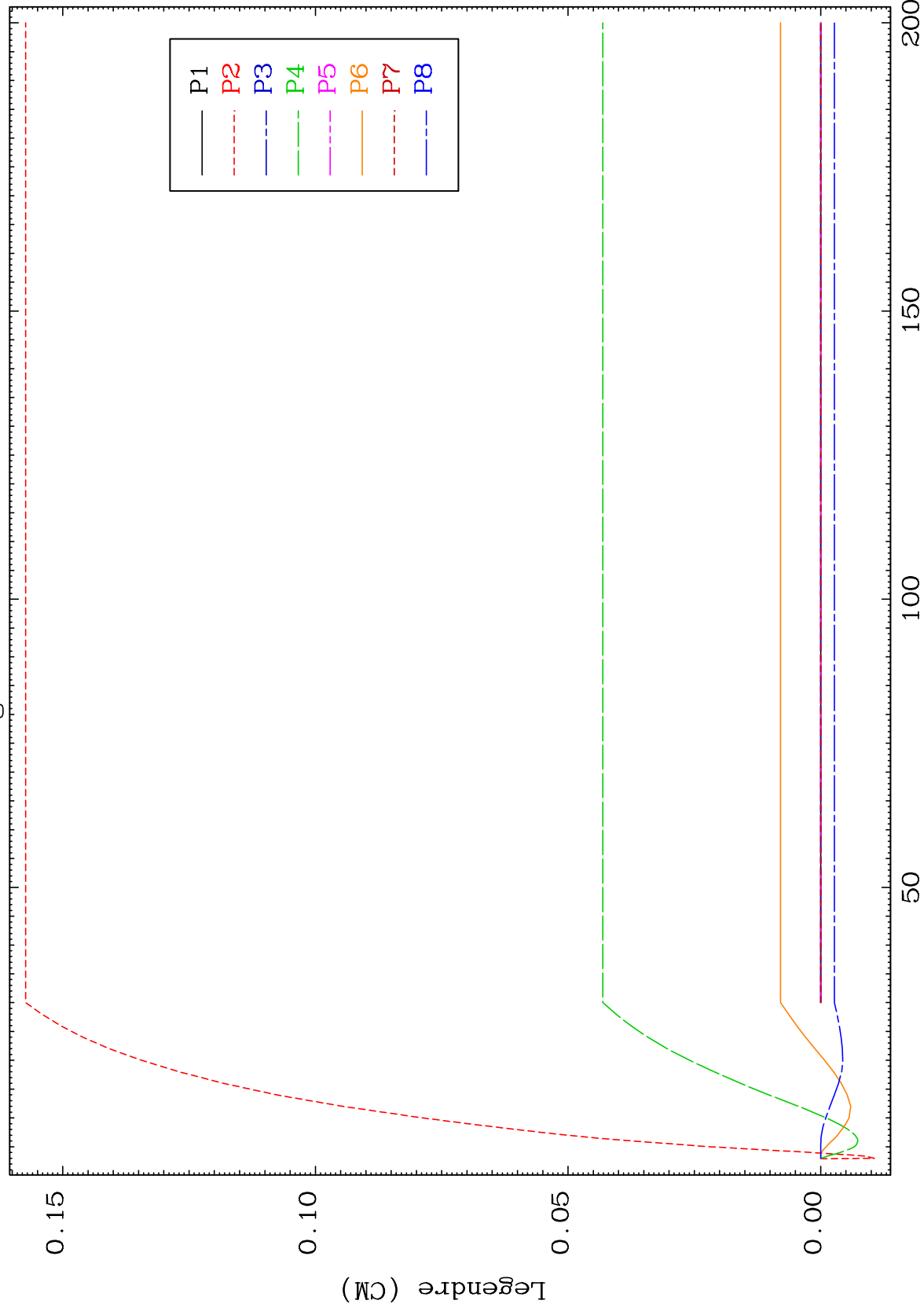
<sup>34</sup>Se-78



MAT 3437

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

34-Se-78



111

Incident Energy (MeV)

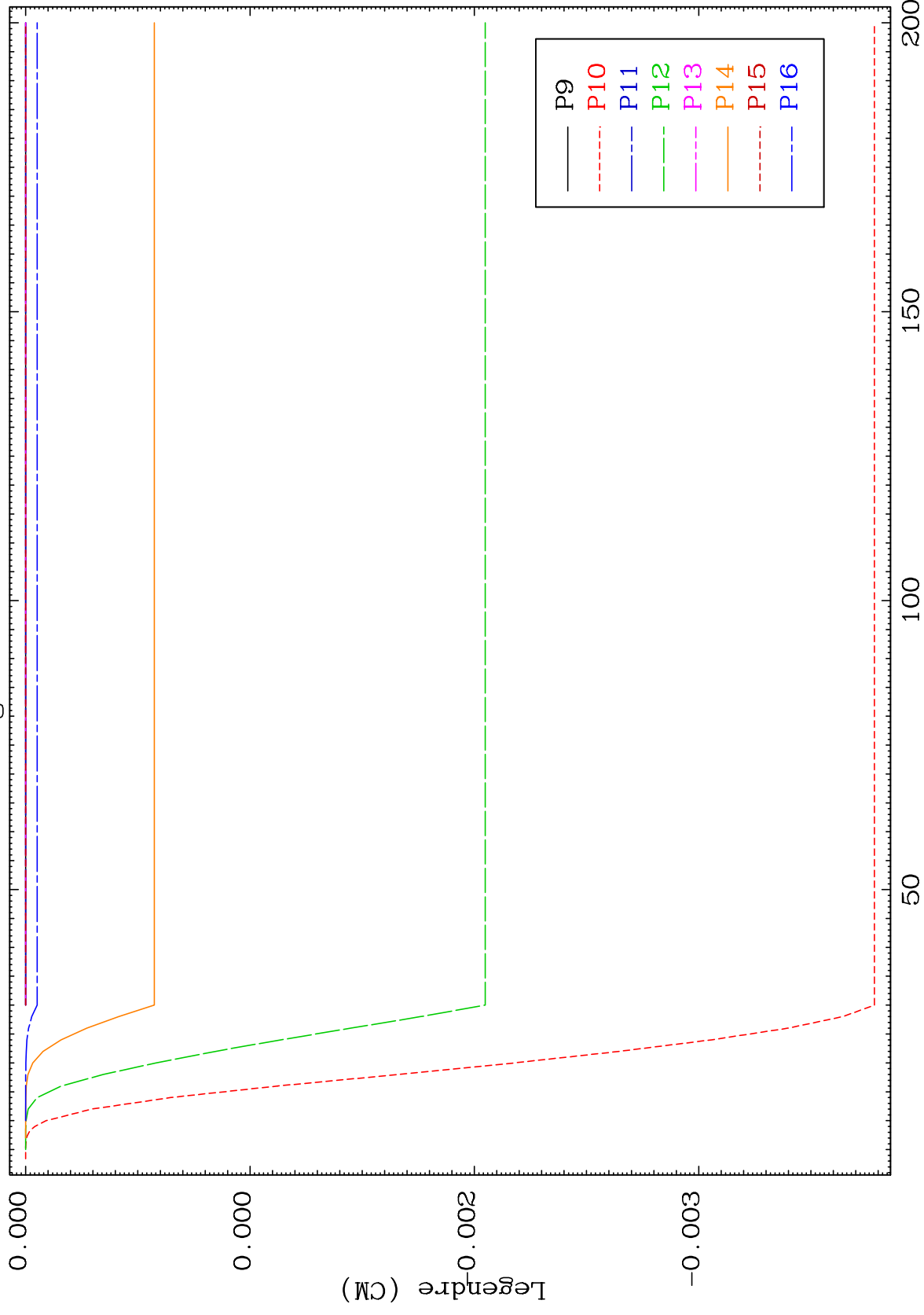
34-Se-78



MAT 3437

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

34-Se-78



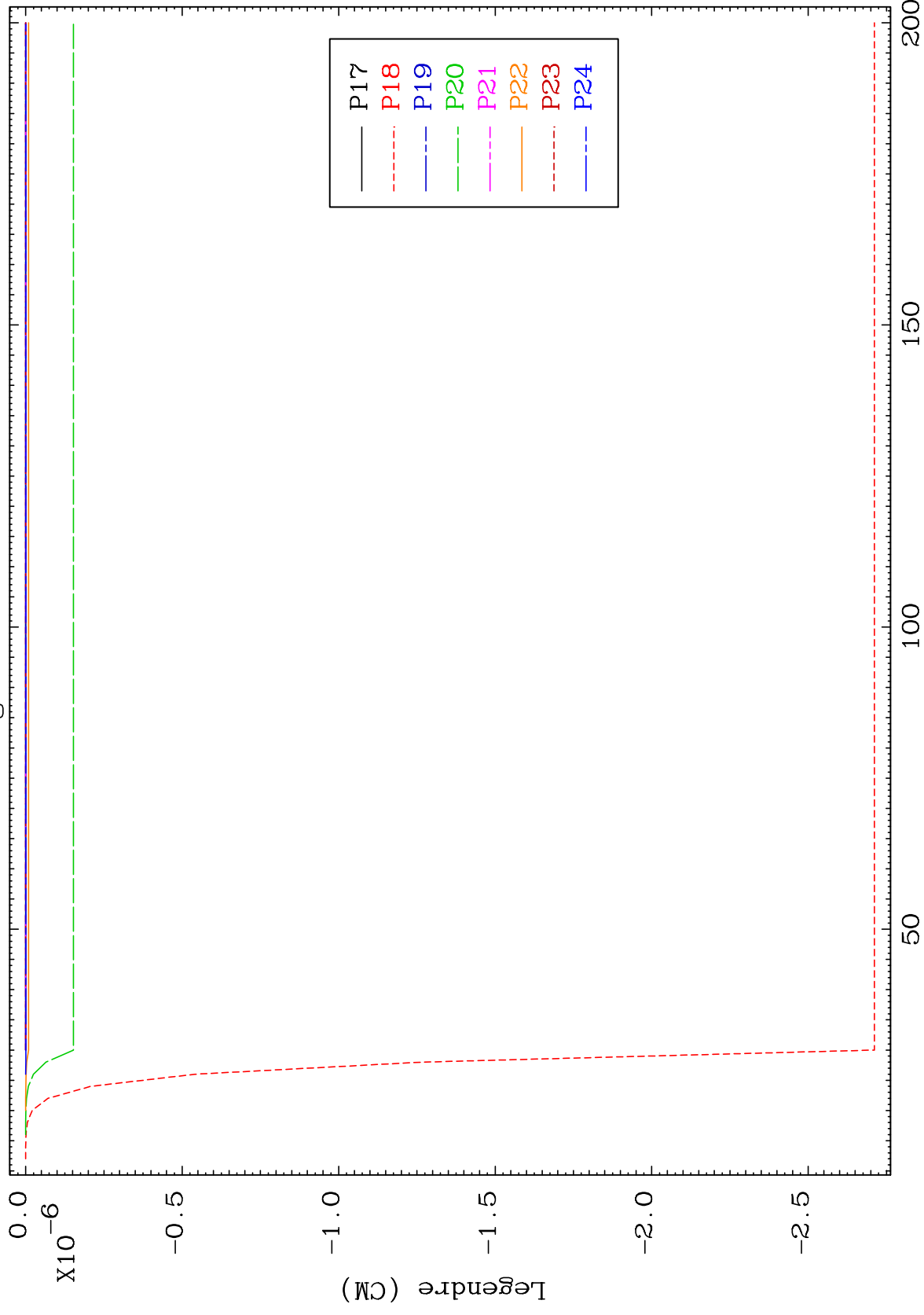
112

34-Se-78

MAT 3437

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

<sup>34</sup>Se-78



113

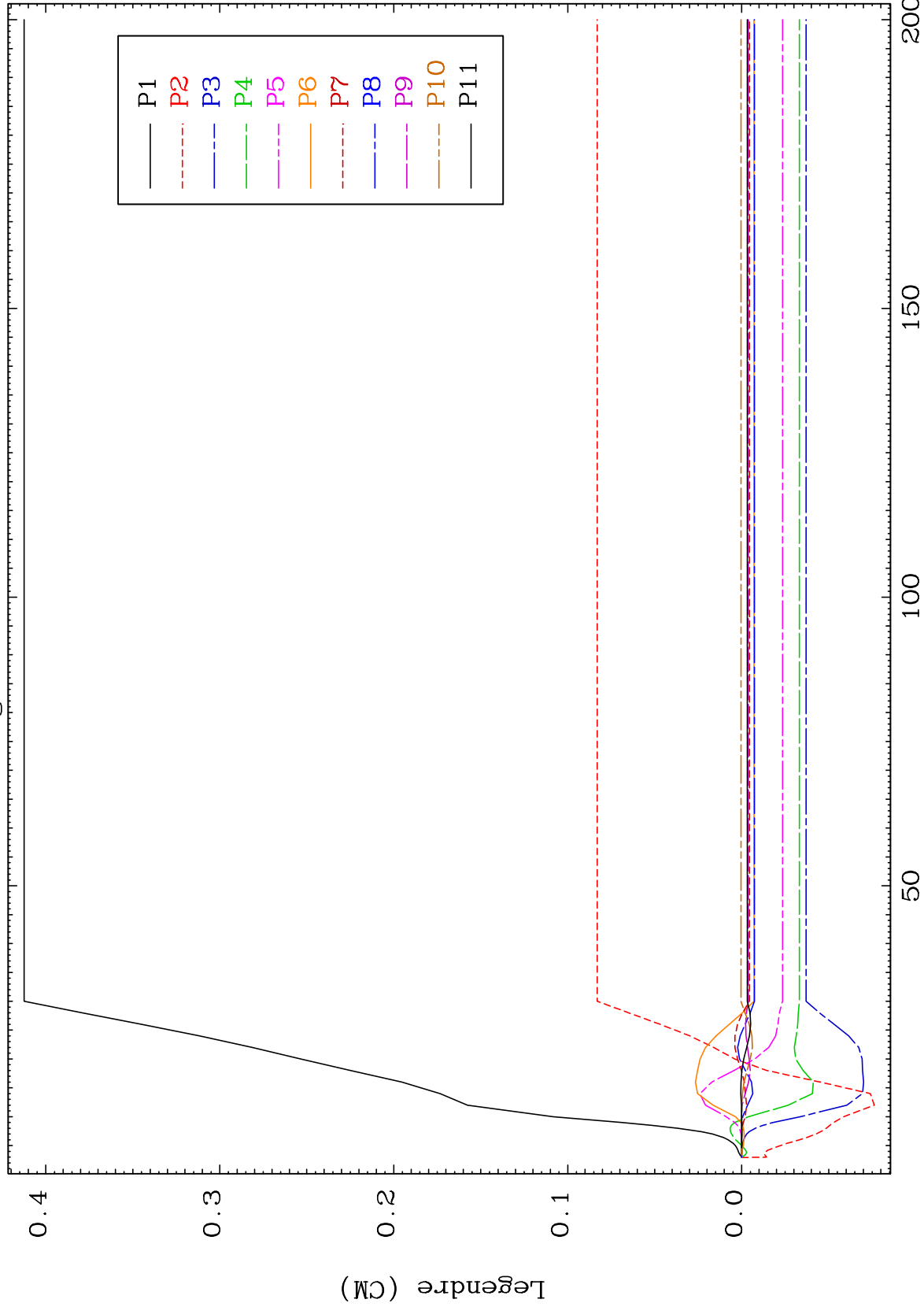
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

<sup>34</sup>Se-78



114

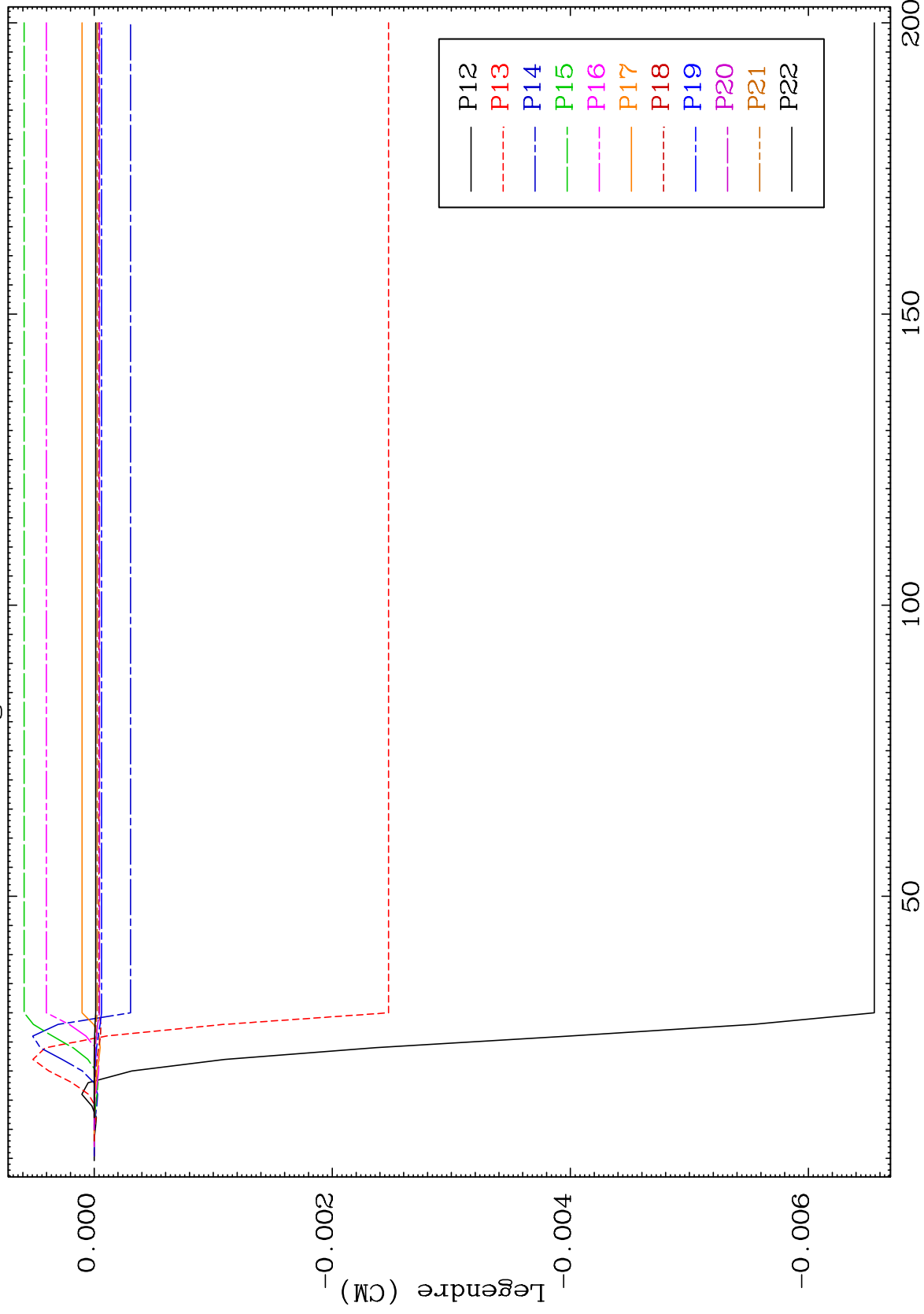
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

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

34-Se-78



115

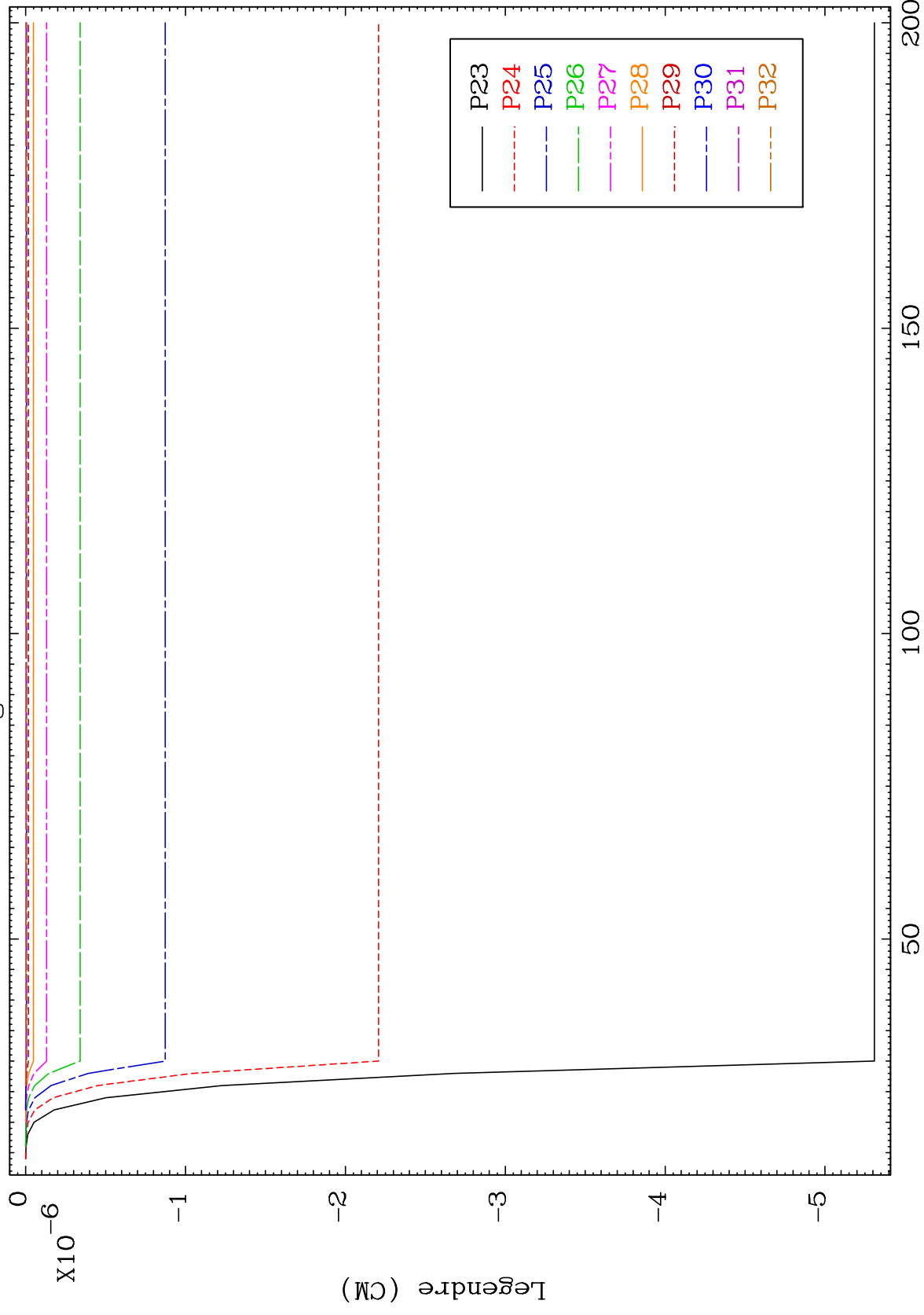
Incident Energy (MeV)

34-Se-78

MAT 3437

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

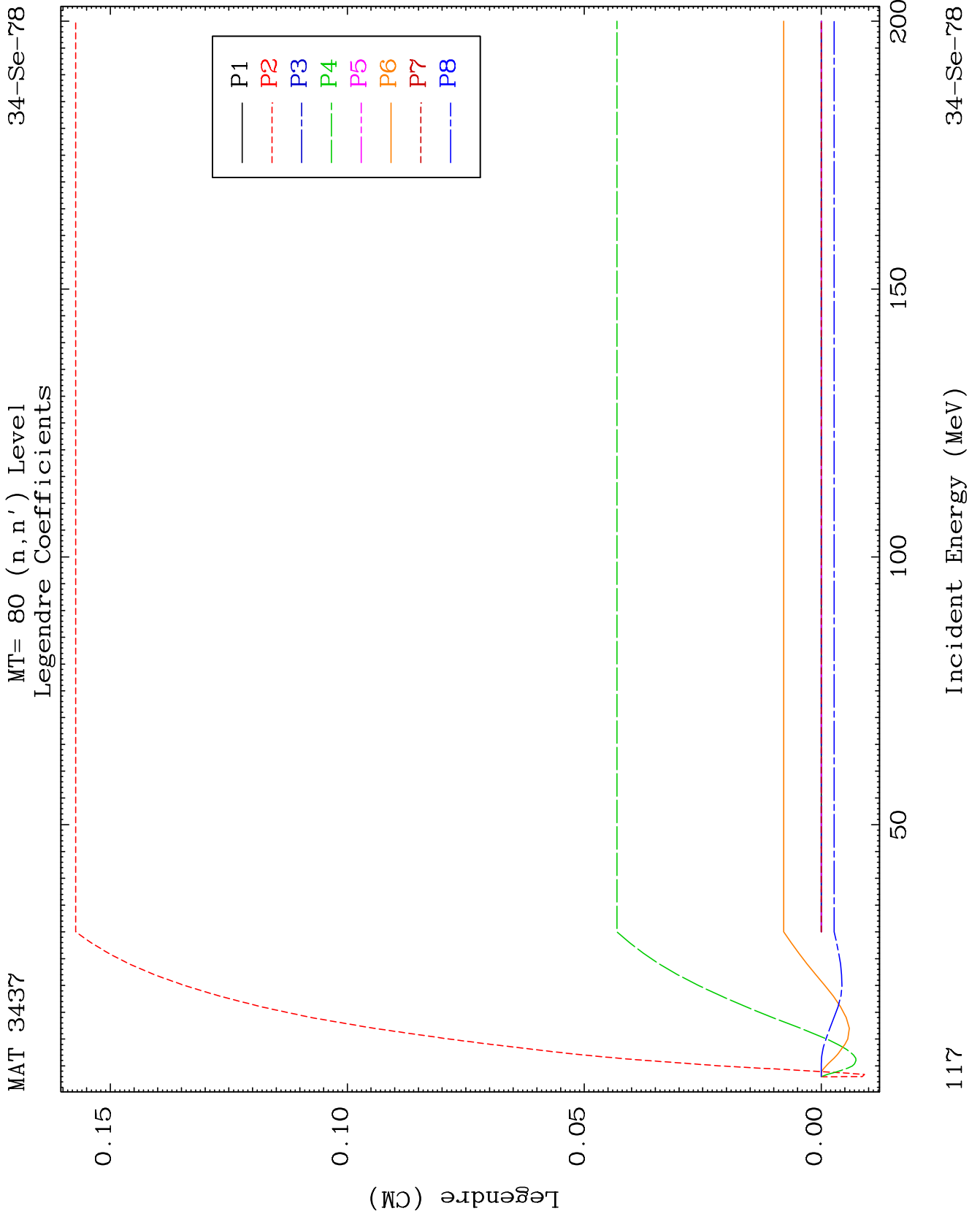
<sup>34</sup>Se-78

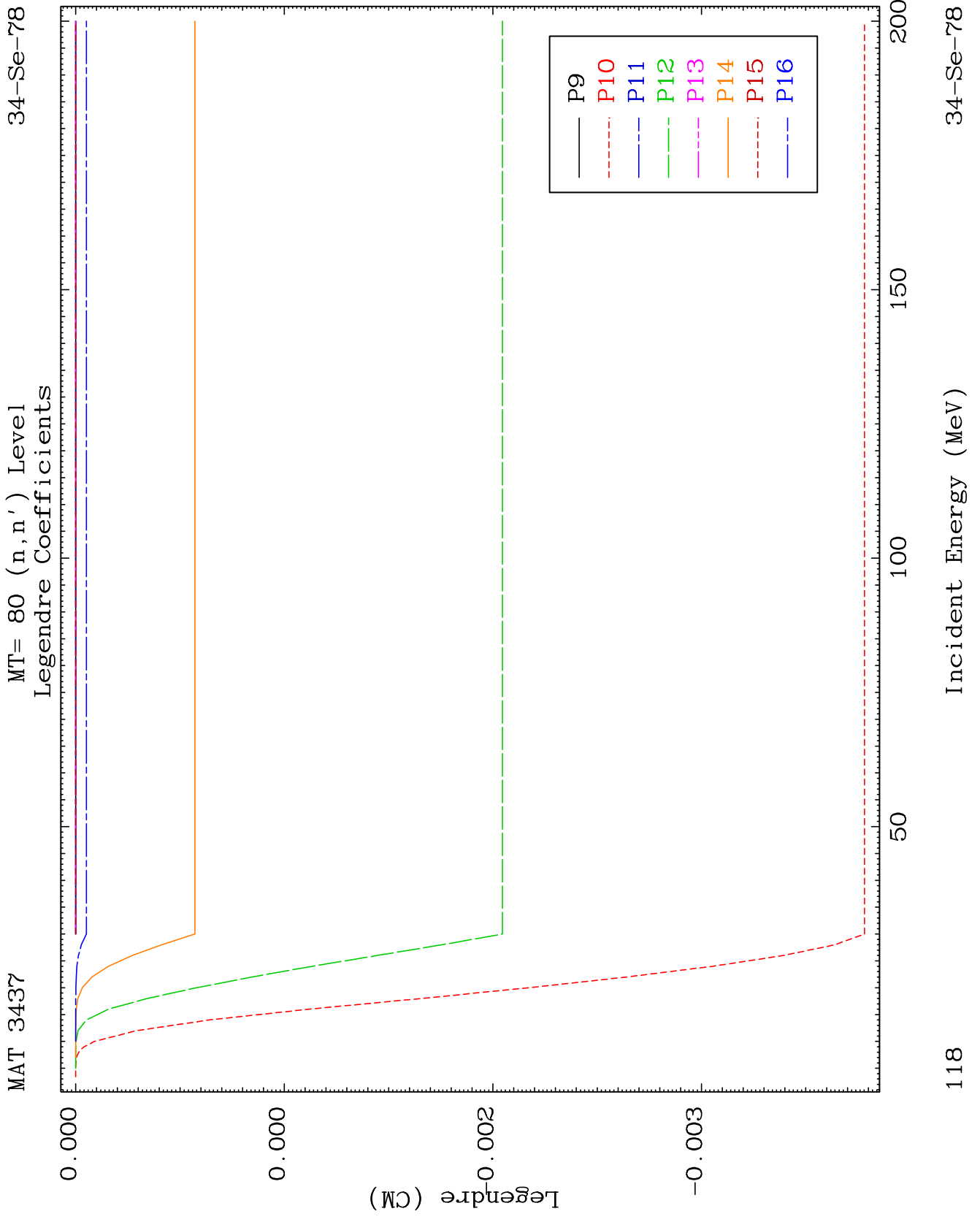


116

Incident Energy (MeV)

<sup>34</sup>Se-78

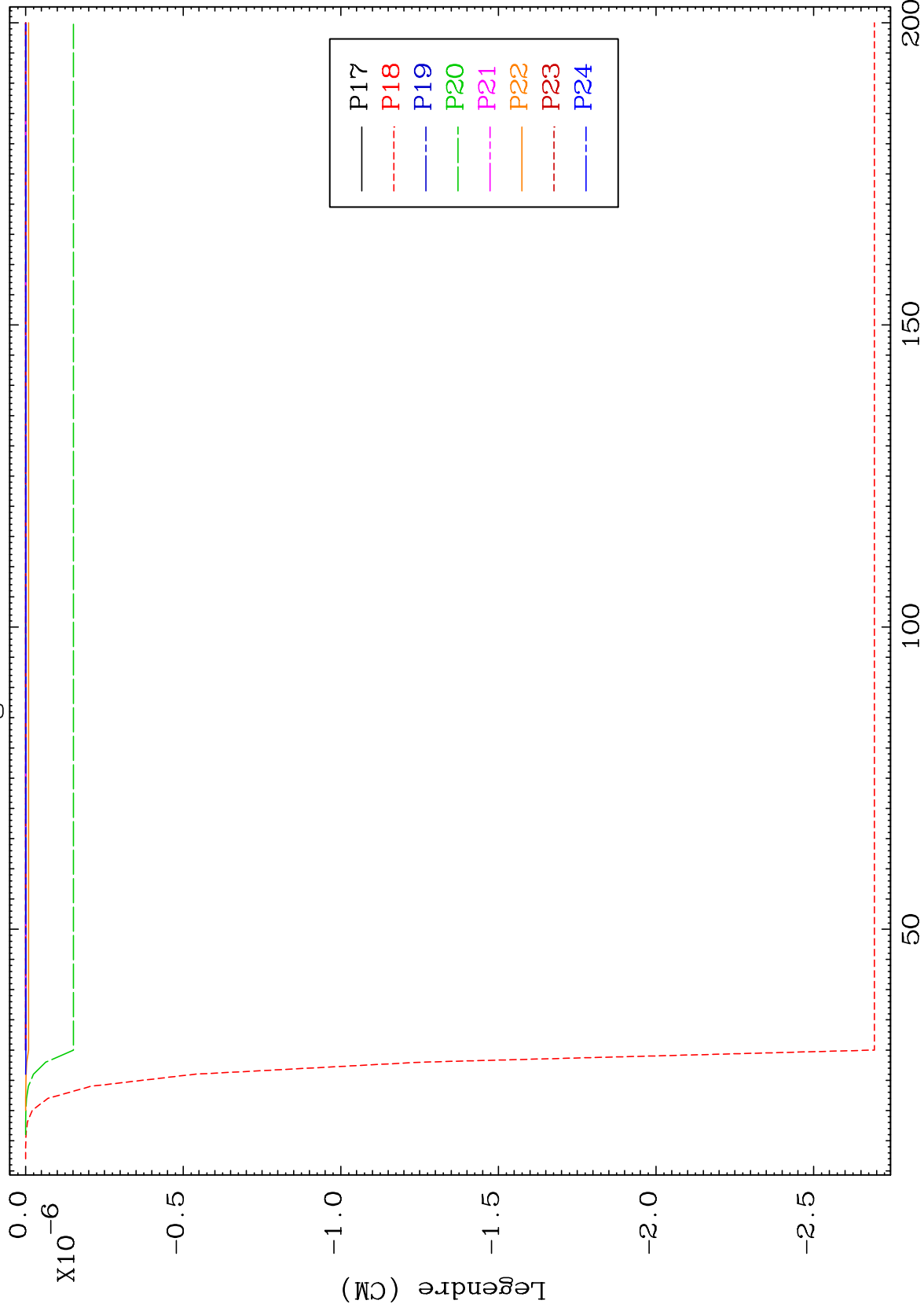




MAT 3437

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

<sup>34</sup>Se-78



119

Incident Energy (MeV)

<sup>34</sup>Se-78

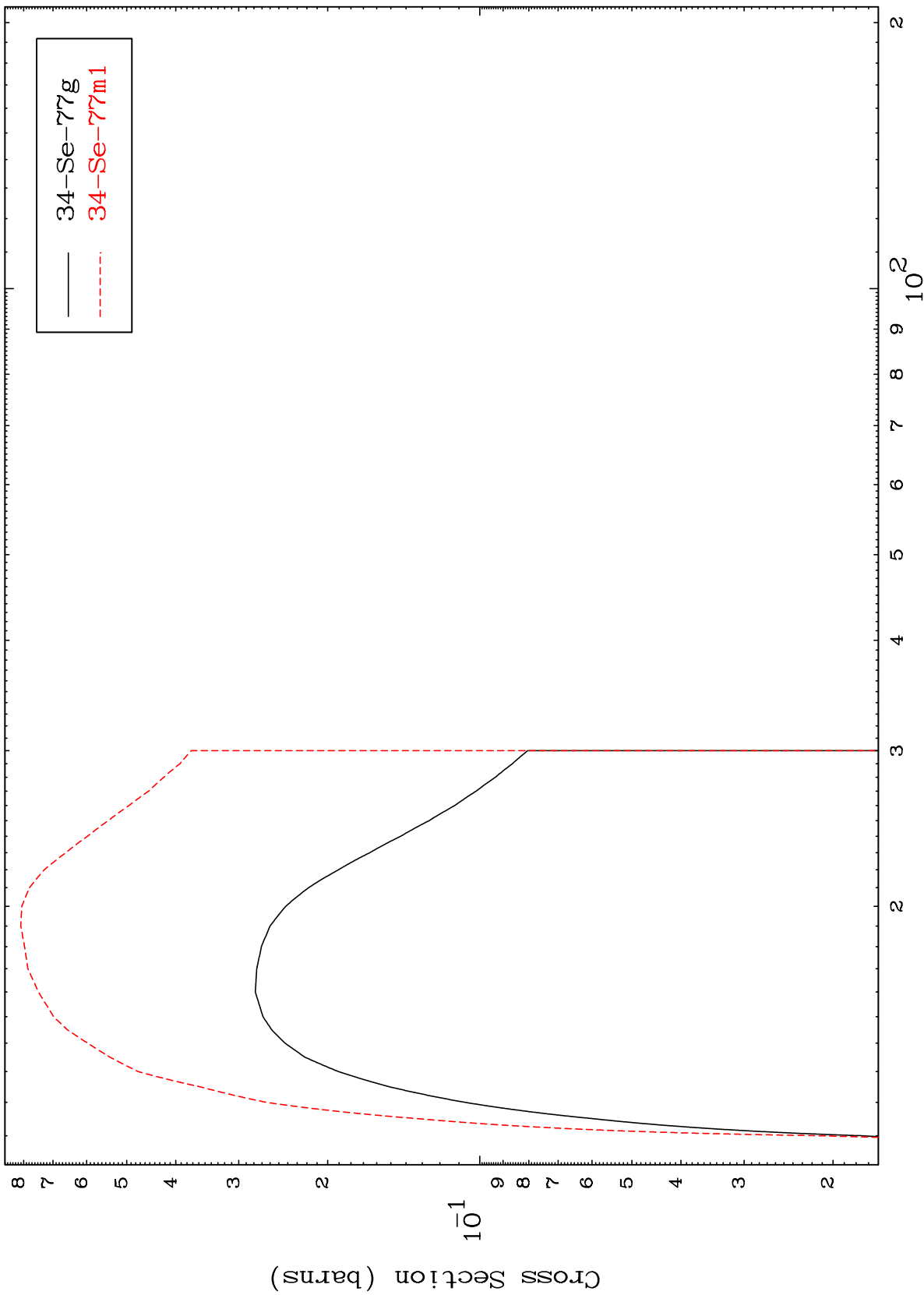


MAT 3437

<sup>34</sup>Se-78

(n,2n)

Radionuclide Production Cross Section



120

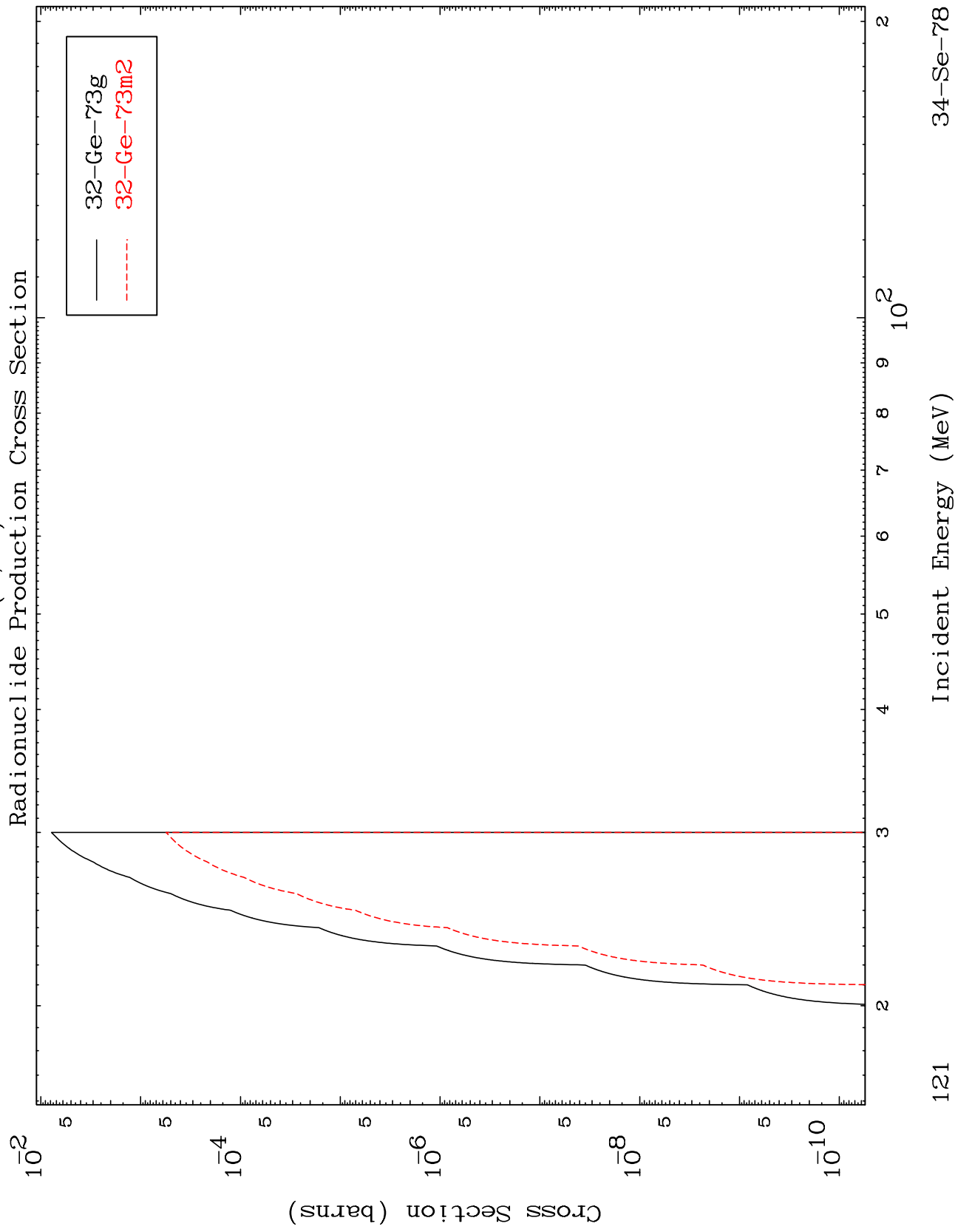
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

$(n,2n) \alpha$

34-<sup>Se-78</sup>



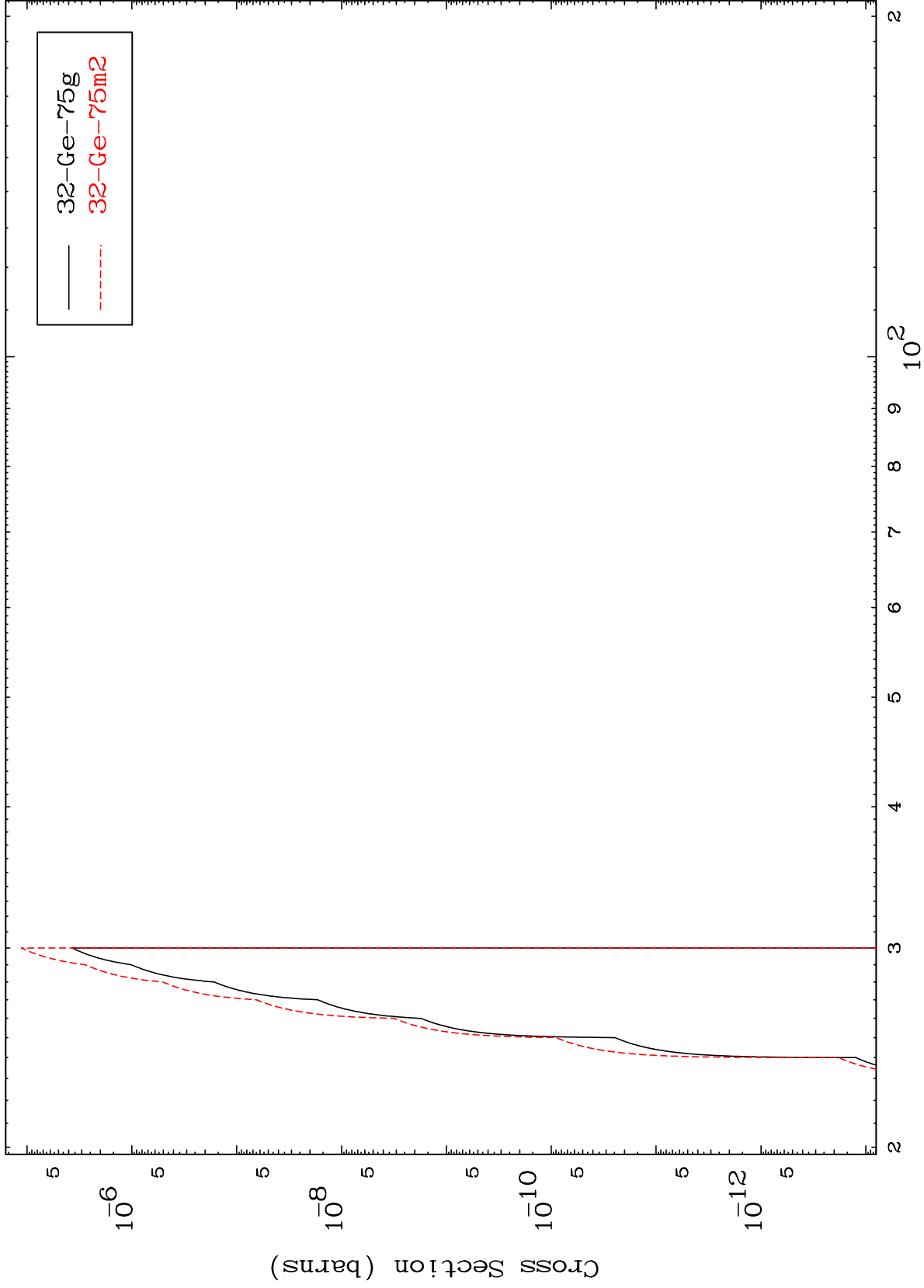
121

MAT 3437

(n,n') He-3

34-Ge-78

Radionuclide Production Cross Section



122

Incident Energy (MeV)

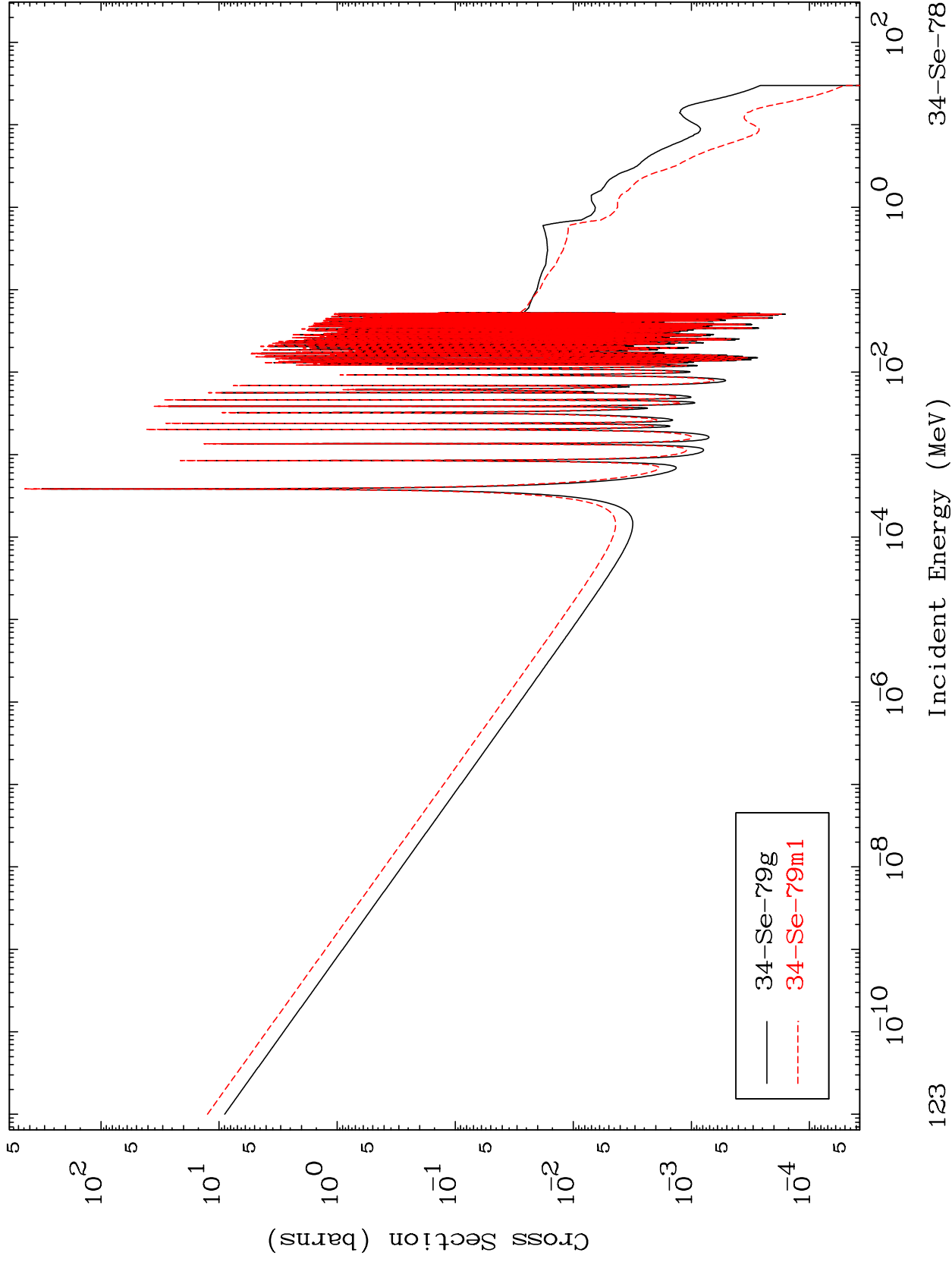
34-Ge-78

MAT 3437

<sup>34</sup>Se-78

Radionuclide Production Cross Section

(n,γ)

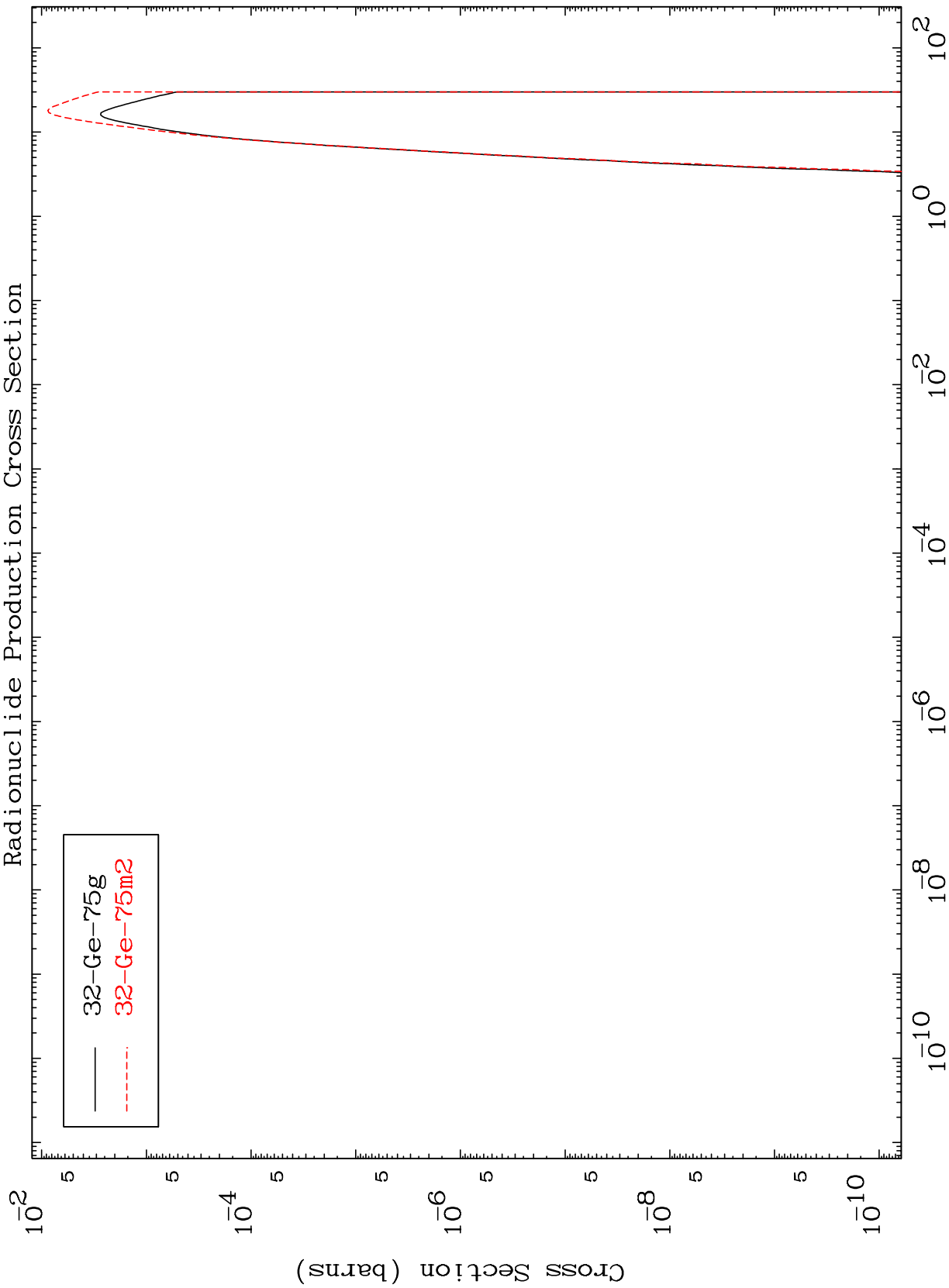


MAT 3437

<sup>34</sup>Se-78

Radionuclide Production Cross Section

(n,  $\alpha$ )



124

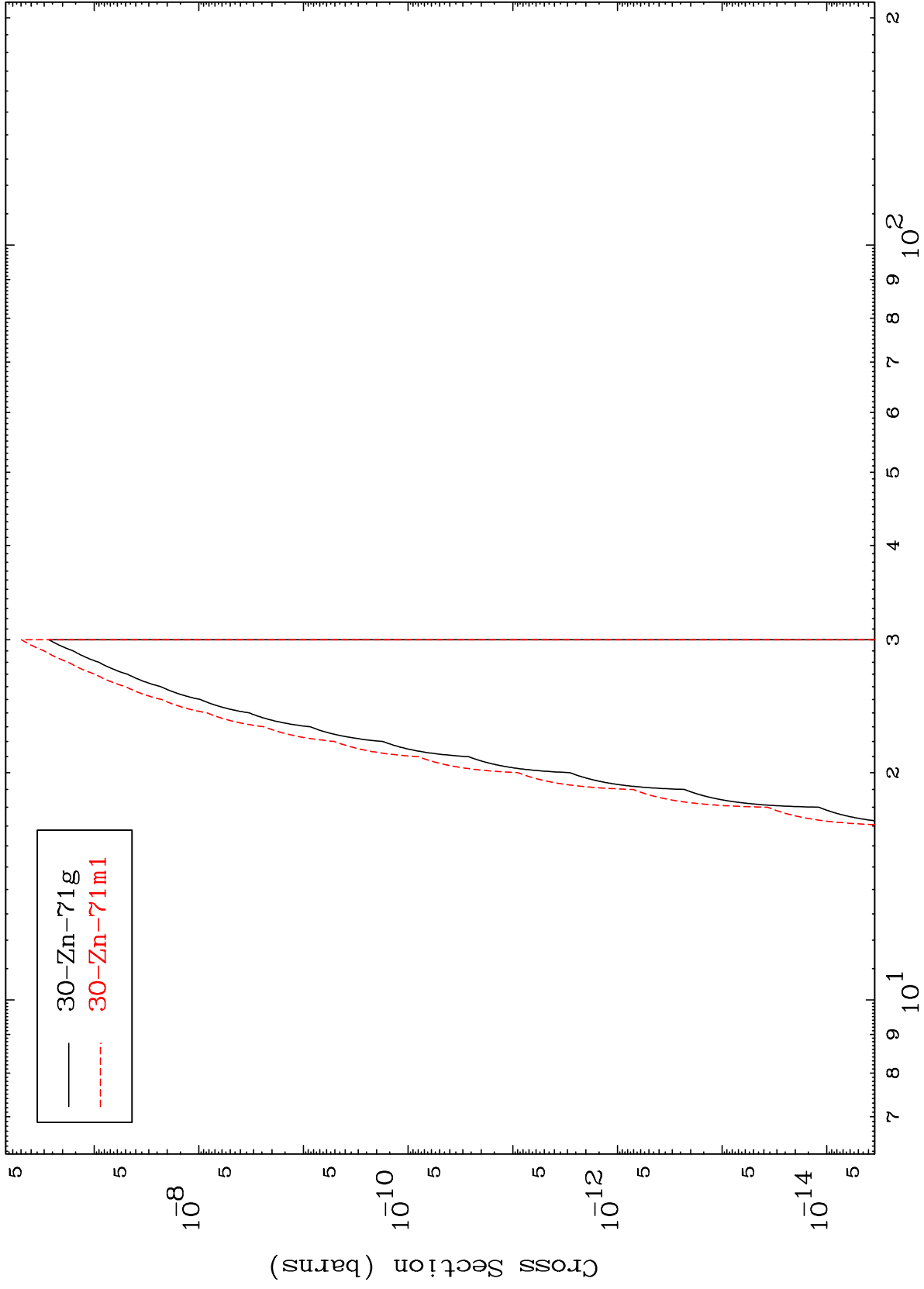
Incident Energy (MeV)

<sup>34</sup>Se-78

MAT 3437

<sup>34</sup>Se-78

Radionuclide Production Cross Section  
(n,2α)



<sup>34</sup>Se-78

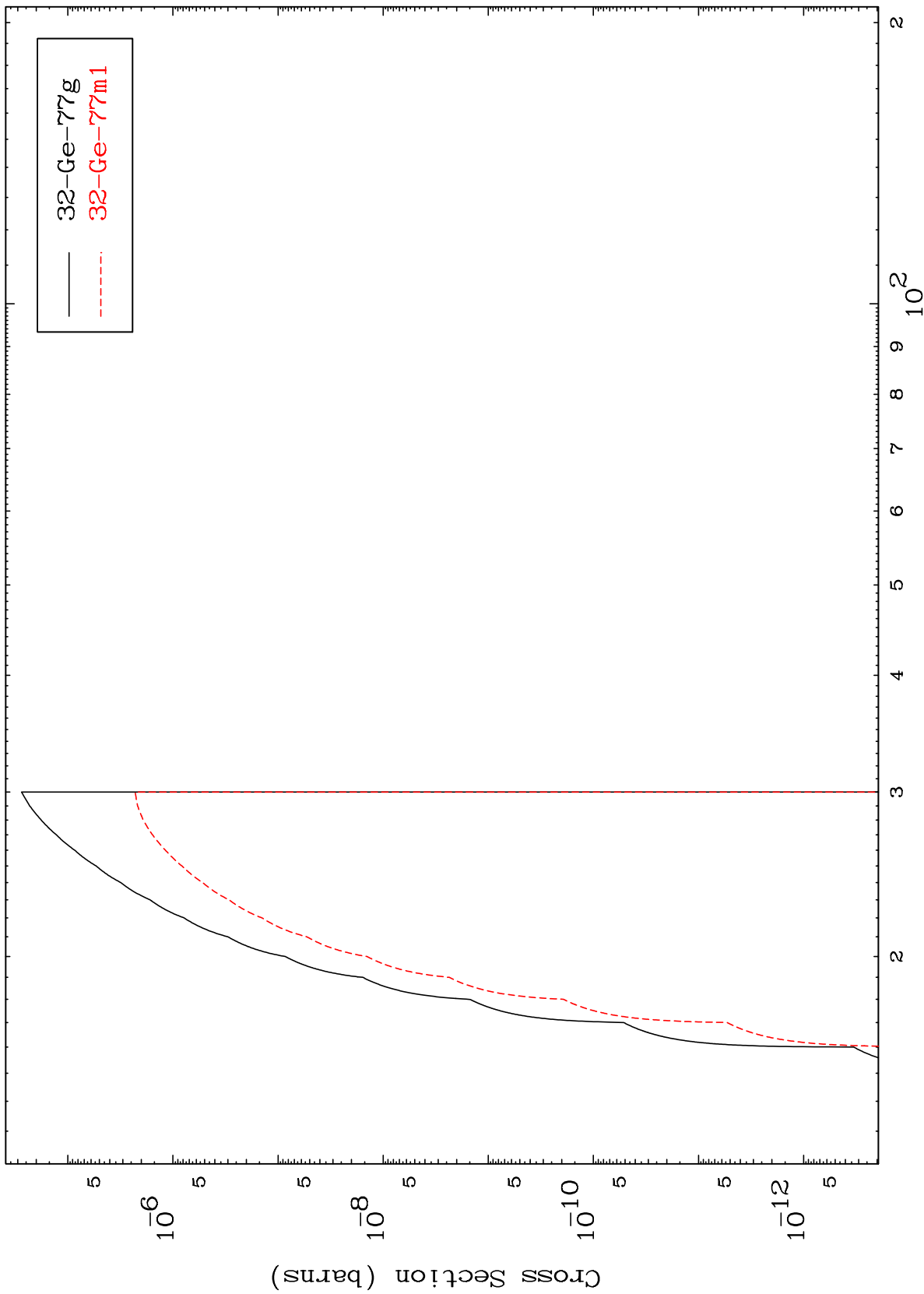
Incident Energy (MeV)

125

MAT 3437

<sup>34</sup>Se-78

(n,2p)  
Radionuclide Production Cross Section



126

Incident Energy (MeV)

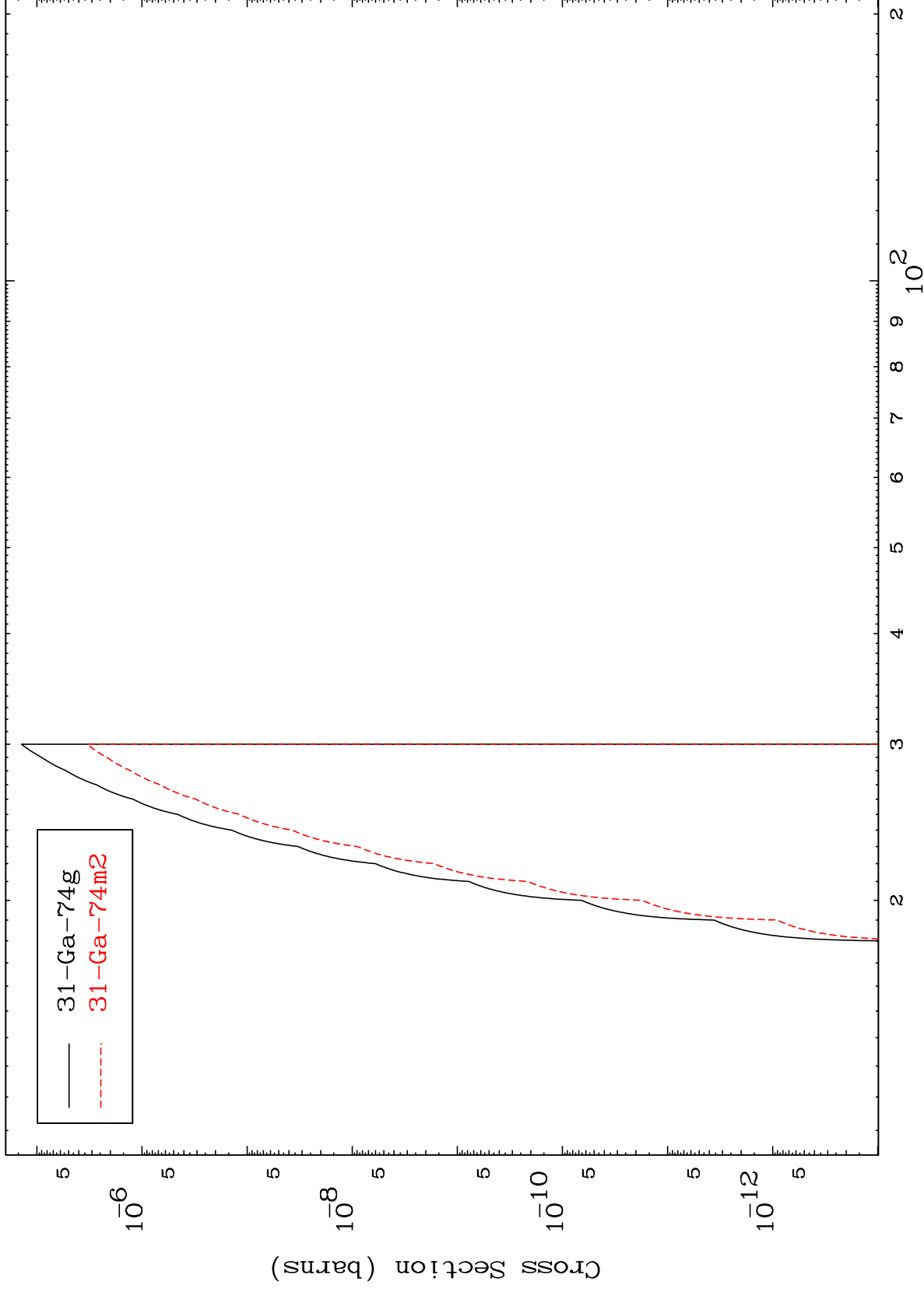
<sup>34</sup>Se-78

MAT 3437

(n,p)  $\alpha$

<sup>34</sup>Se-78

Radionuclide Production Cross Section



127

Incident Energy (MeV)

<sup>34</sup>Se-78

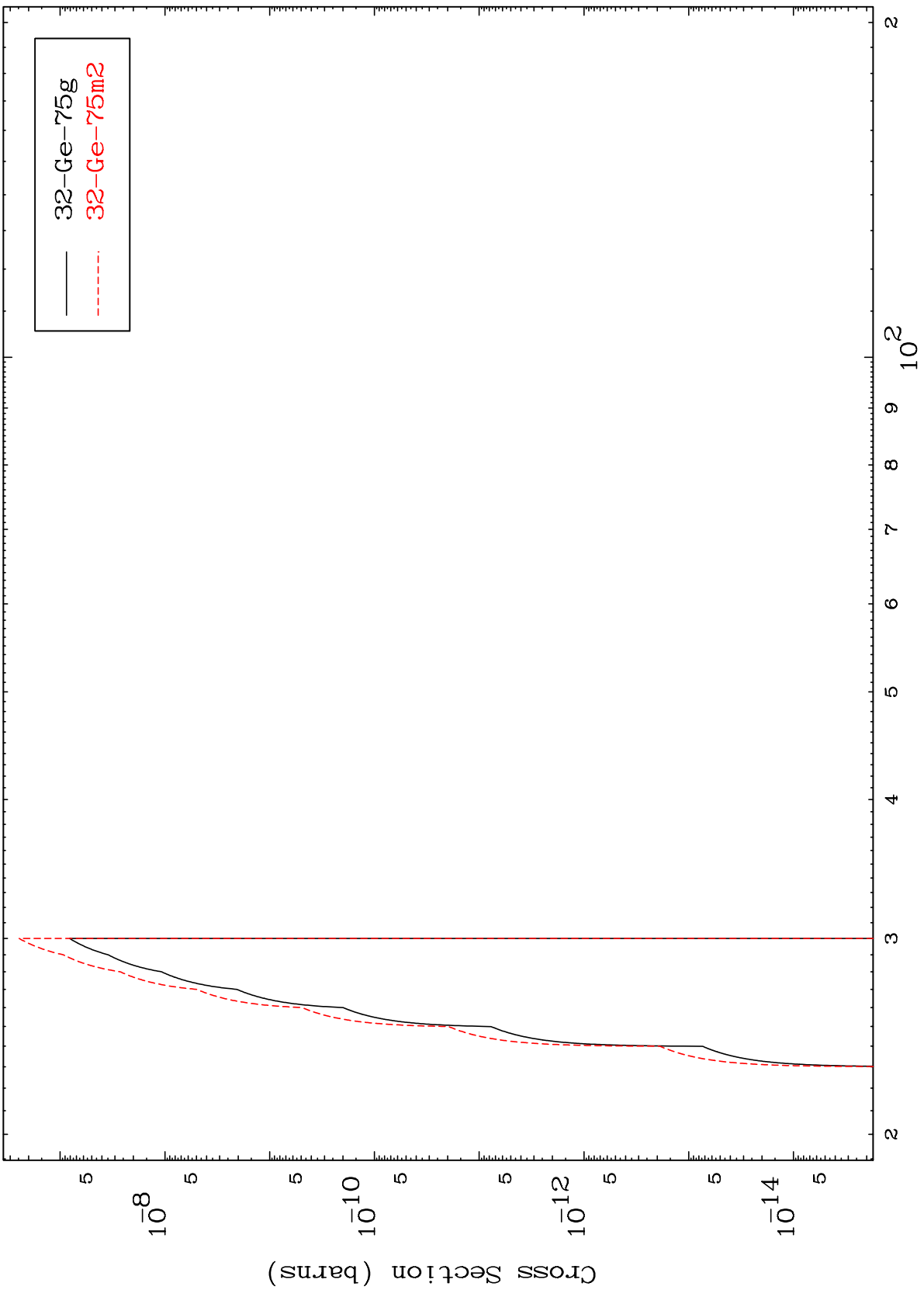


MAT 3437

(n,p) t

34-<sup>Se</sup>-78

Radionuclide Production Cross Section



128

Incident Energy (MeV)

34-<sup>Se</sup>-78