

Program EVALPLOT  
(Version 2021-1)

by

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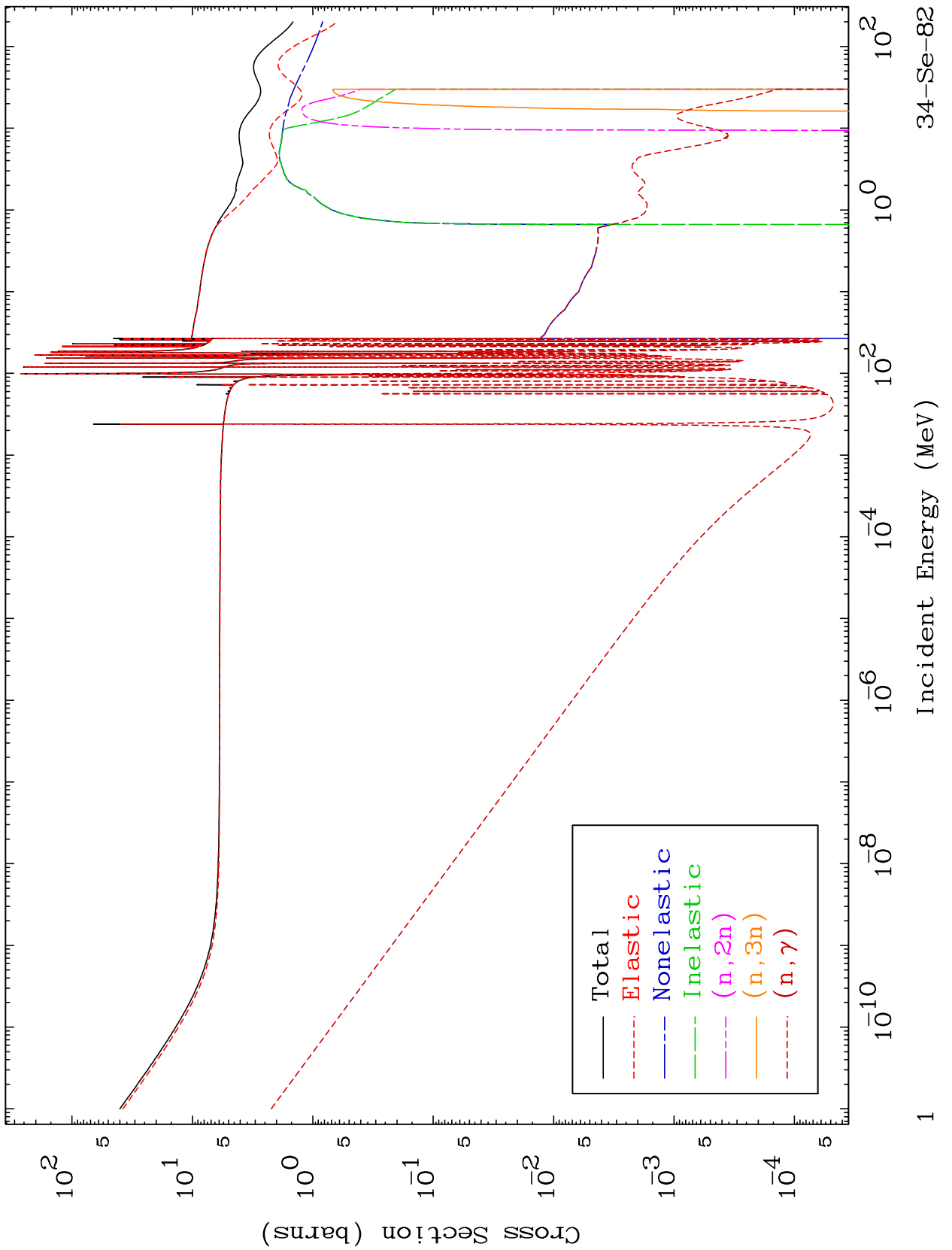
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3449

Neutron Major  
293 Kelvin Cross Sections

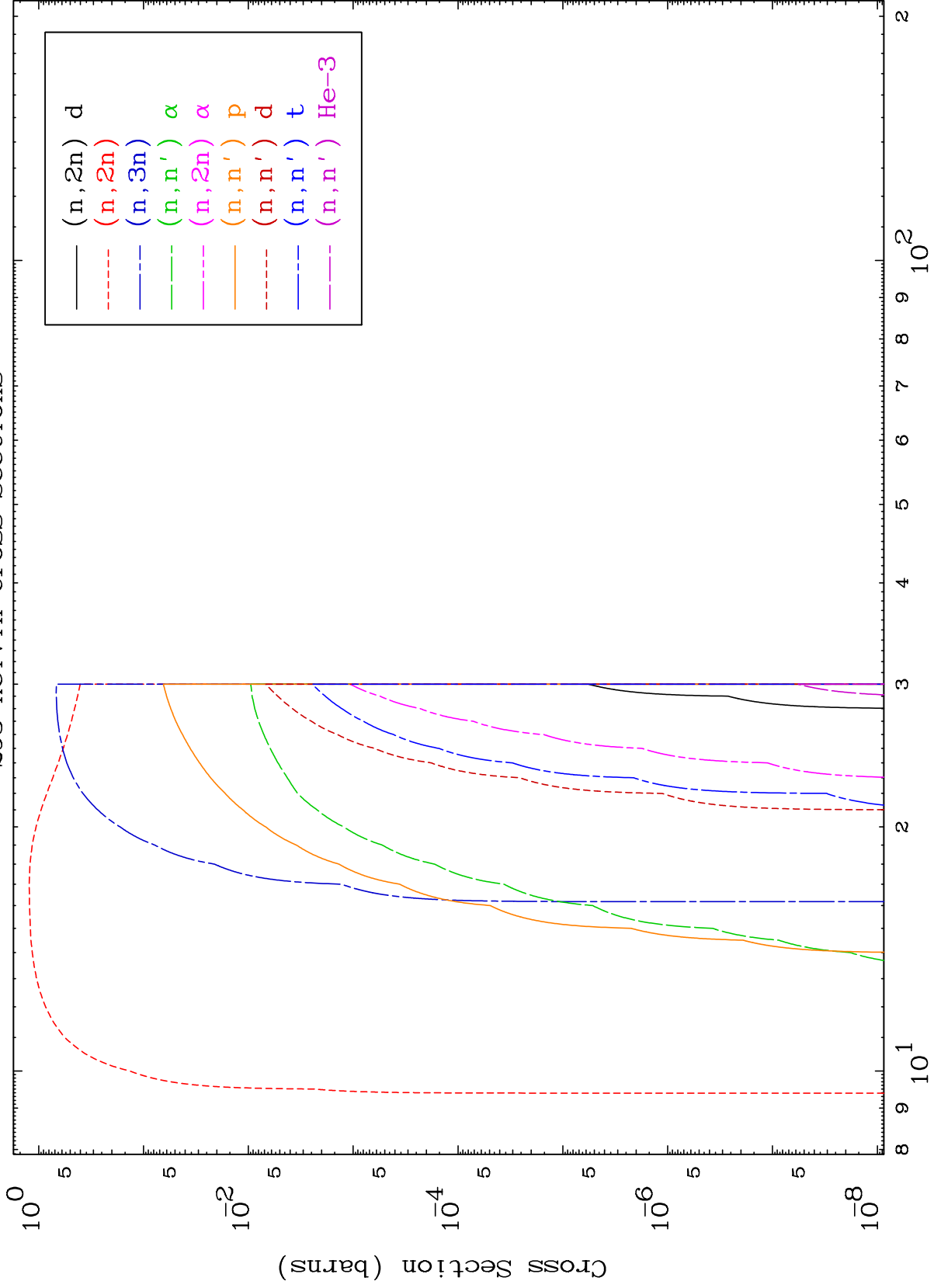
34-Se-82



MAT 3449

Neutron Absorption  
293 Kelvin Cross Sections

<sup>34</sup>Se-82



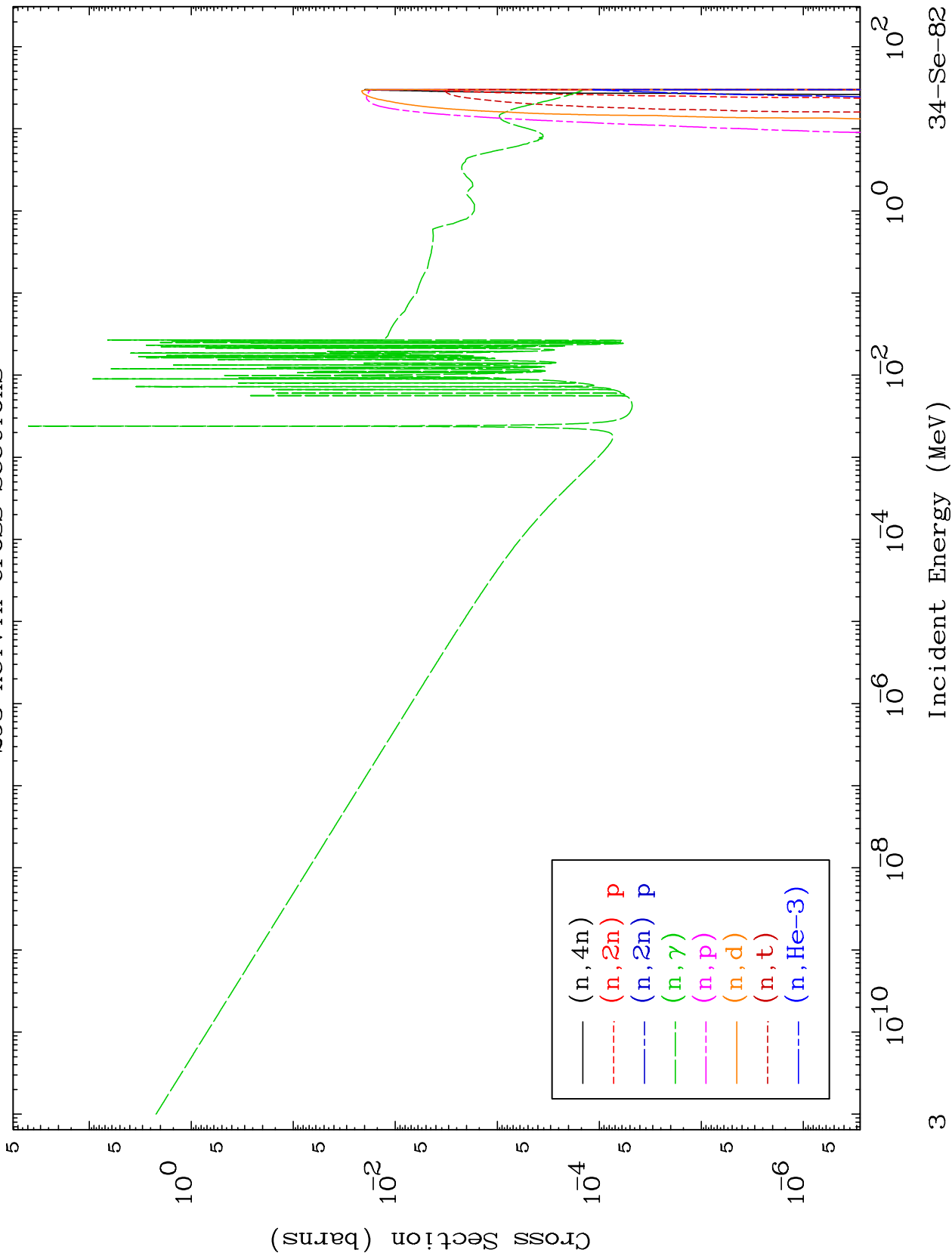
Incident Energy (MeV)

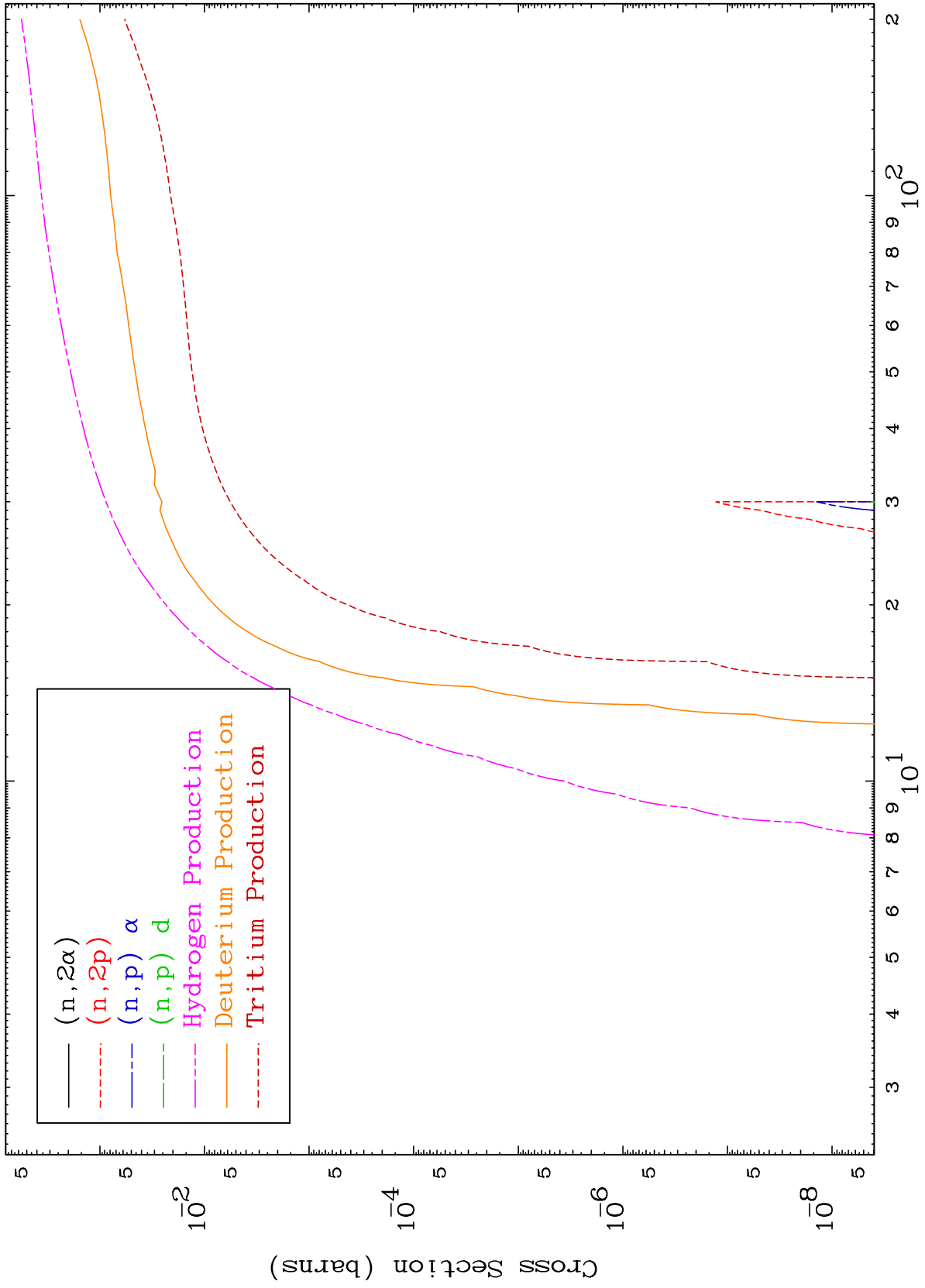
<sup>34</sup>Se-82

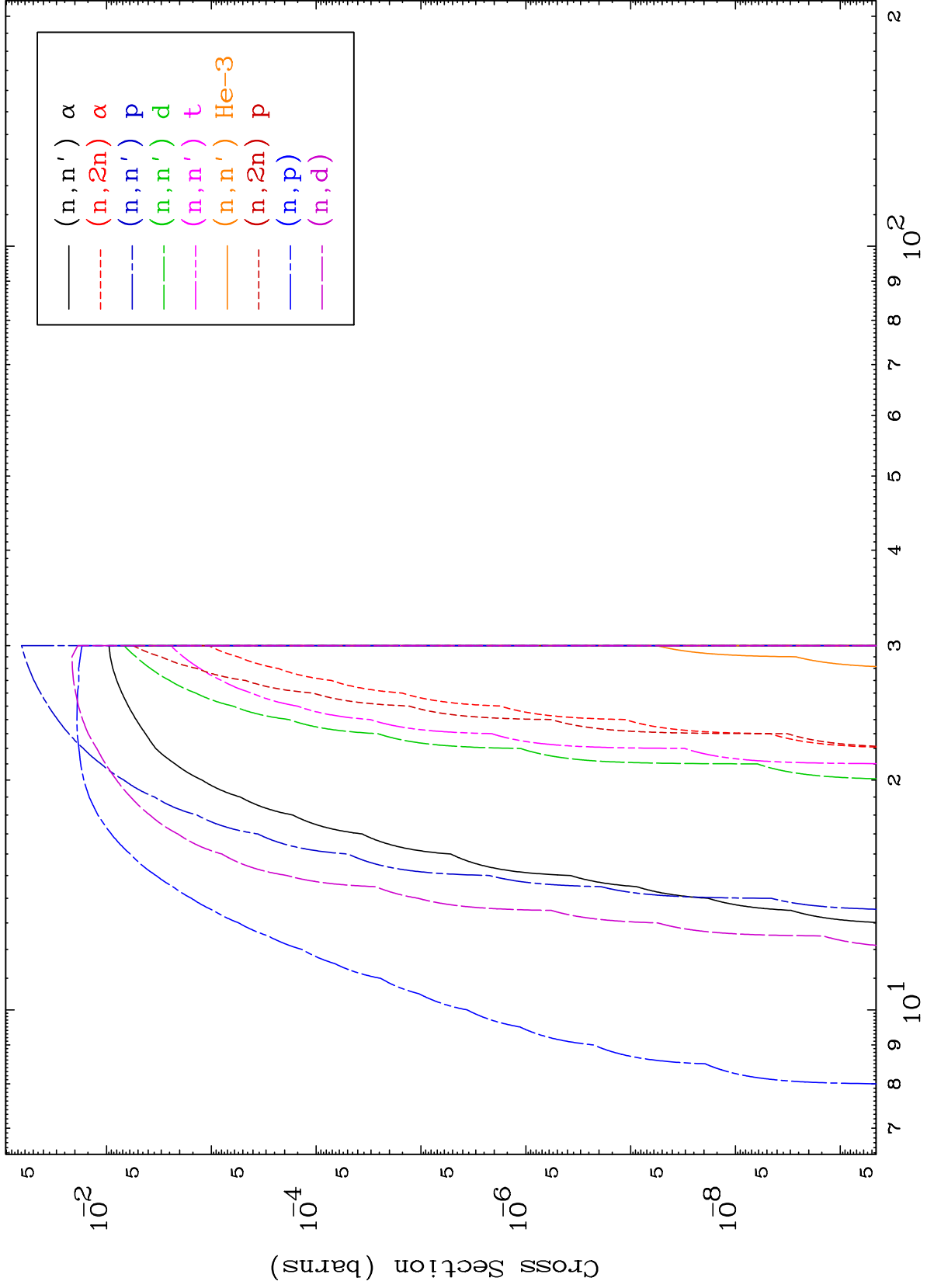
MAT 3449

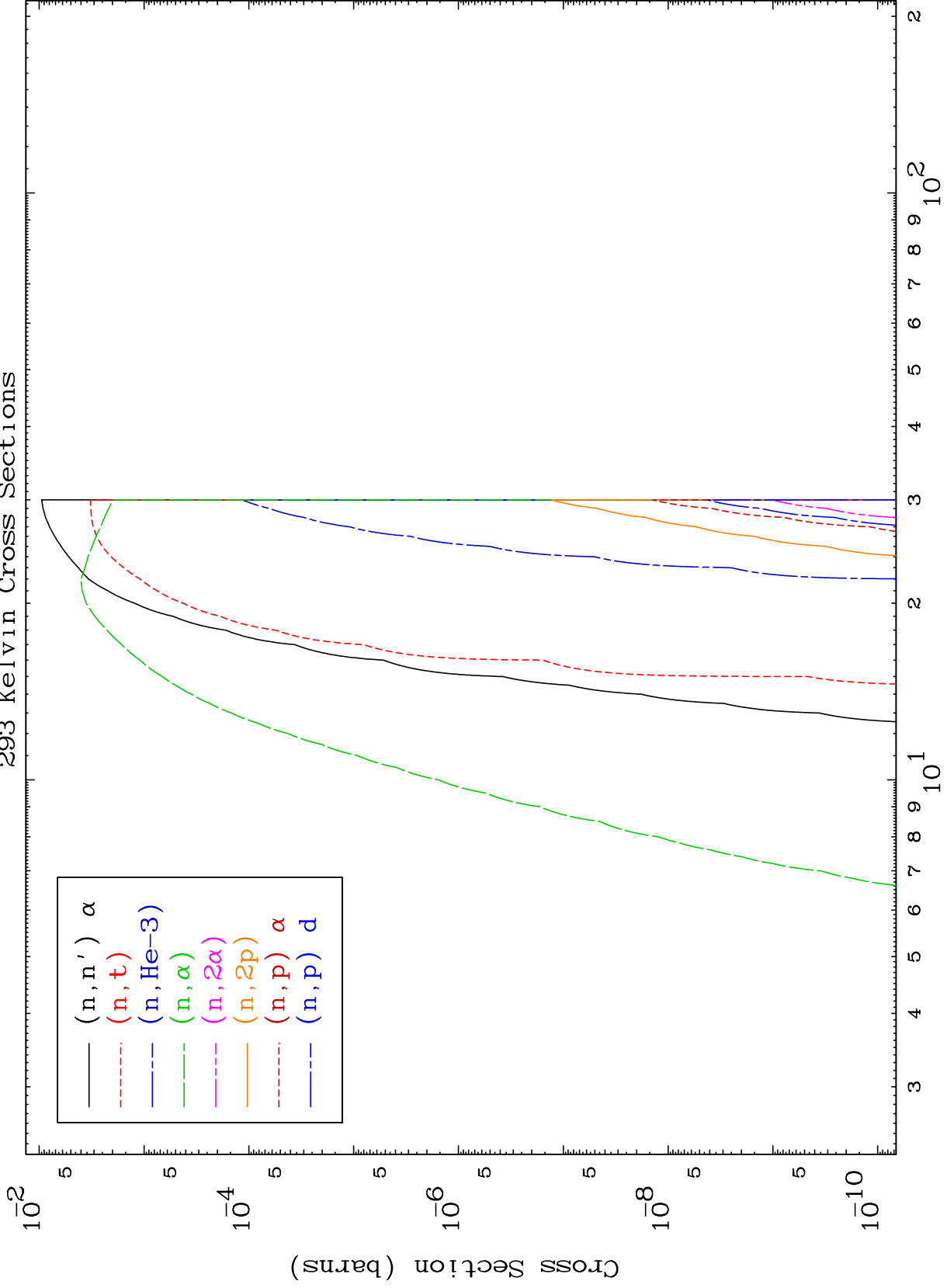
Neutron Absorption  
293 Kelvin Cross Sections

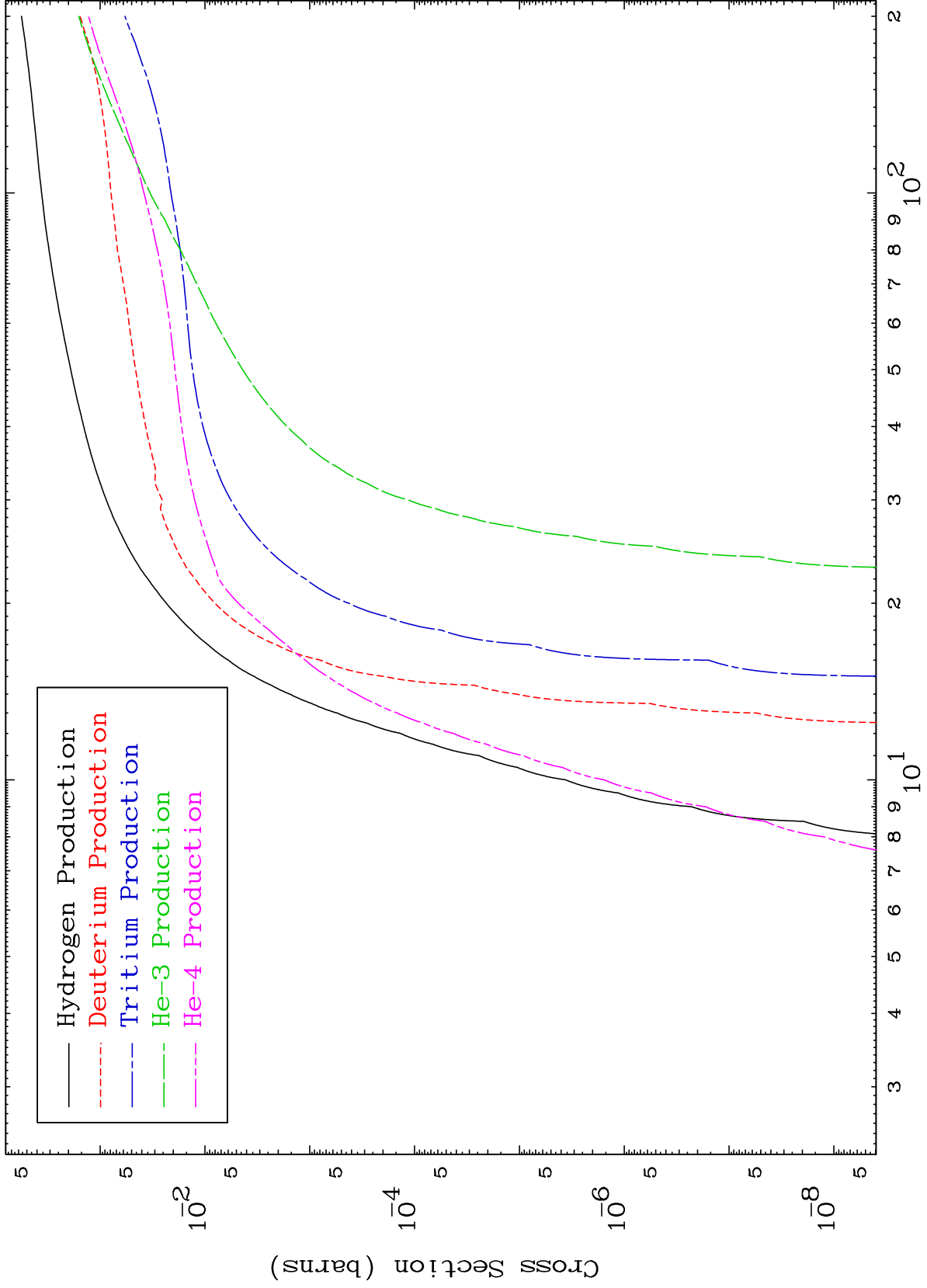
34-Se-82



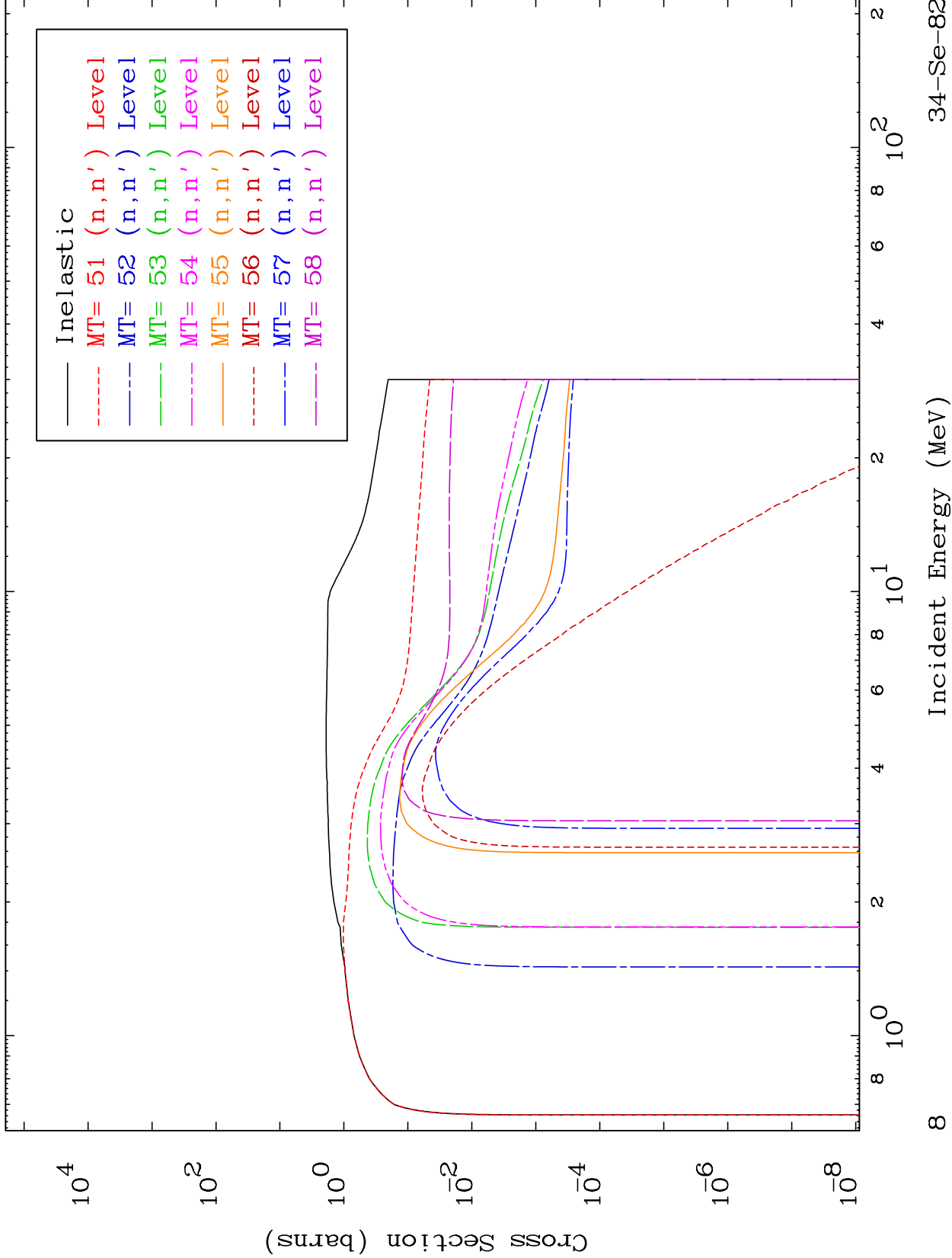


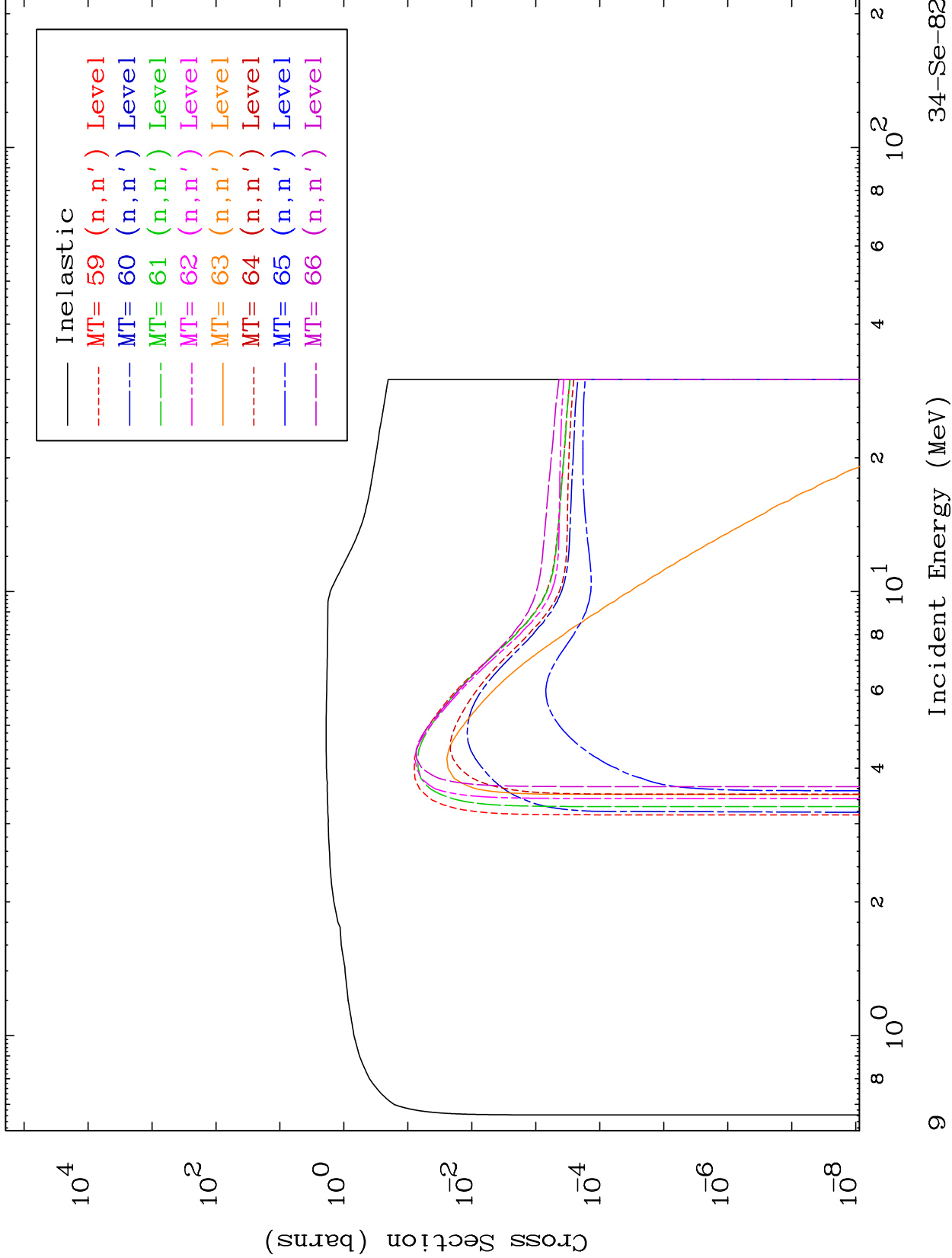










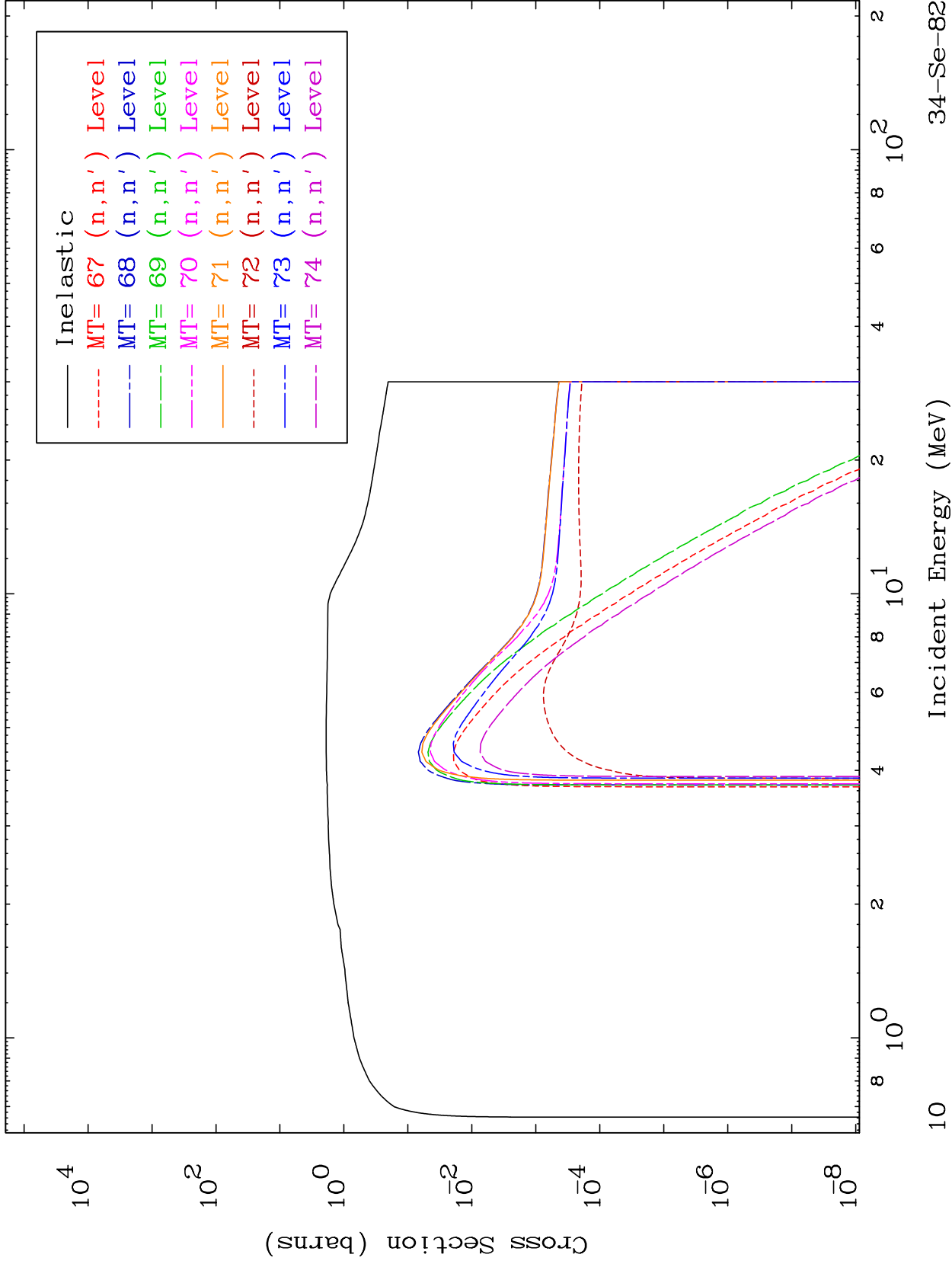


MAT 3449

(n,n') Levels

34-Se-82

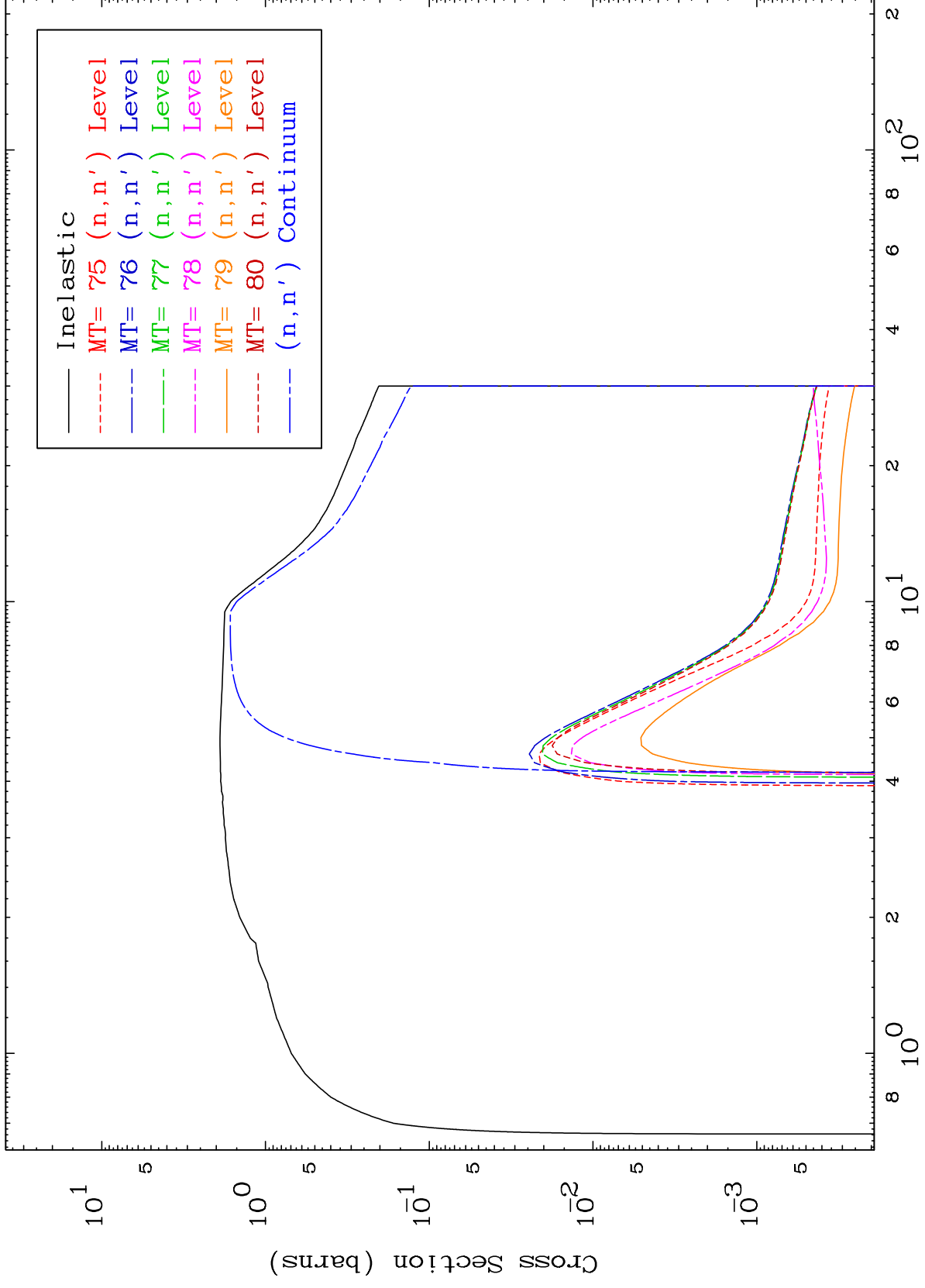
293 Kelvin Cross Sections



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Incident Energy (MeV)

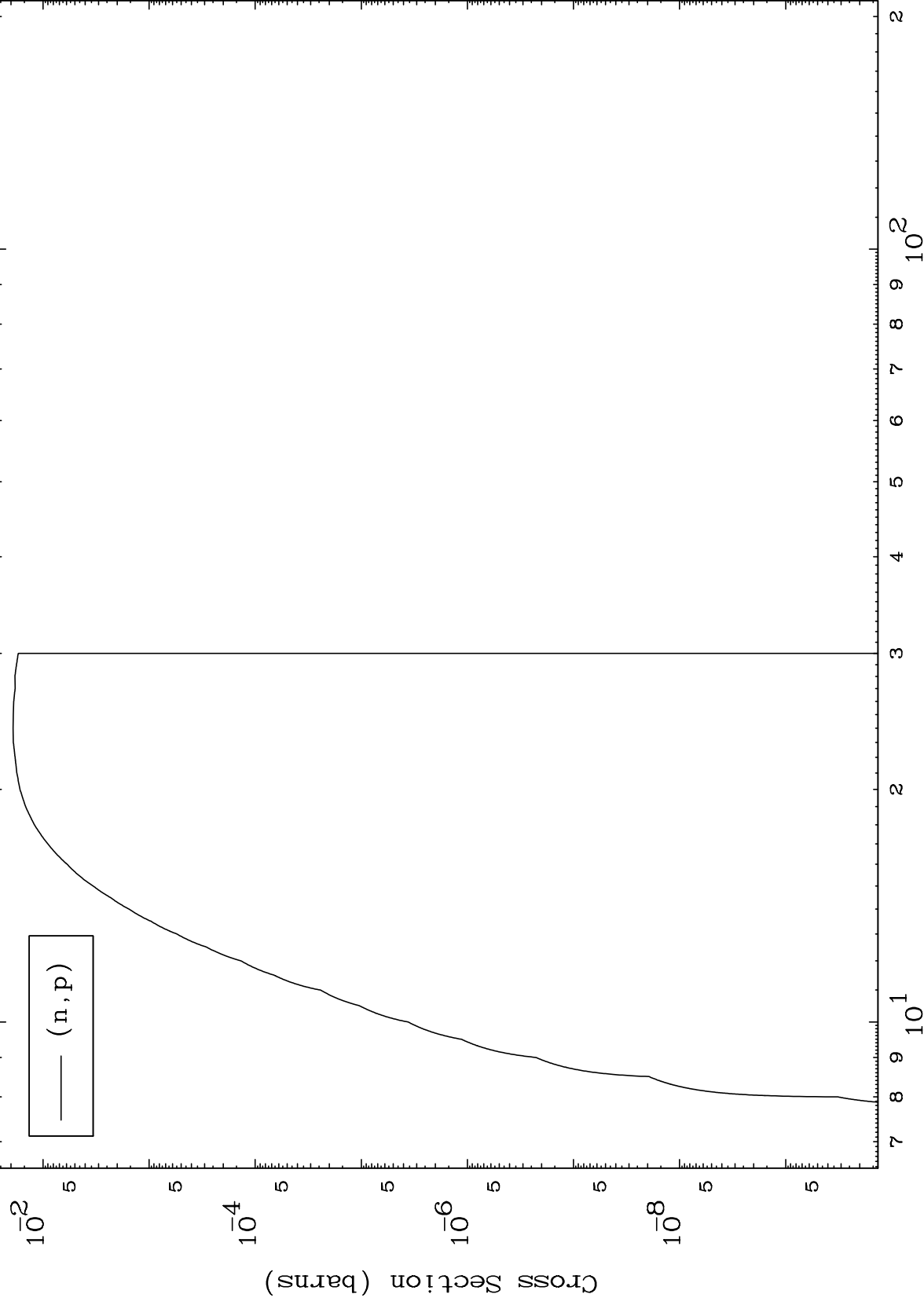
34-Se-82



MAT 3449

(n,p) Levels  
293 Kelvin Cross Sections

34-Se-82



12

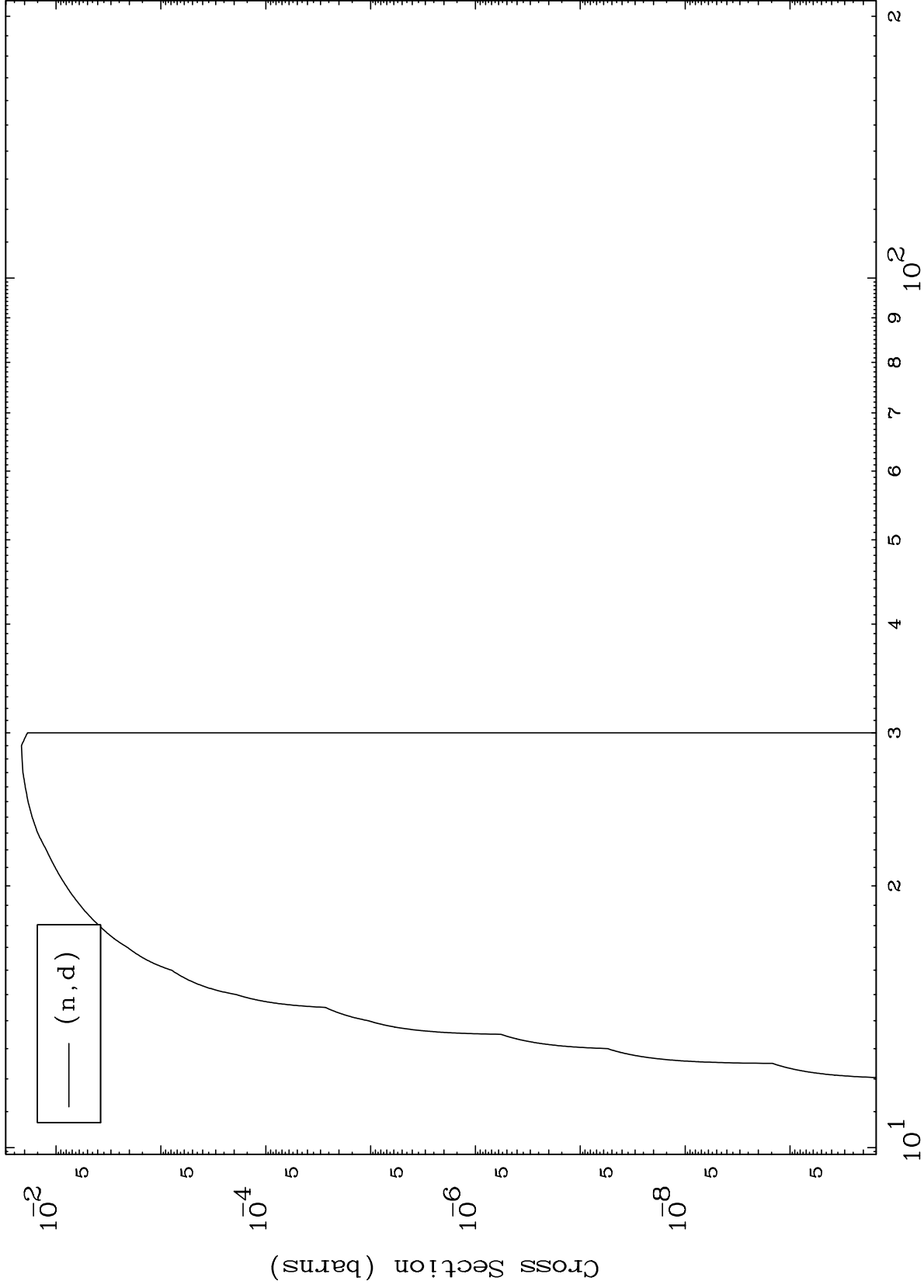
Incident Energy (MeV)

34-Se-82

MAT 3449

(n,d) Levels  
293 Kelvin Cross Sections

34-Se-82



13

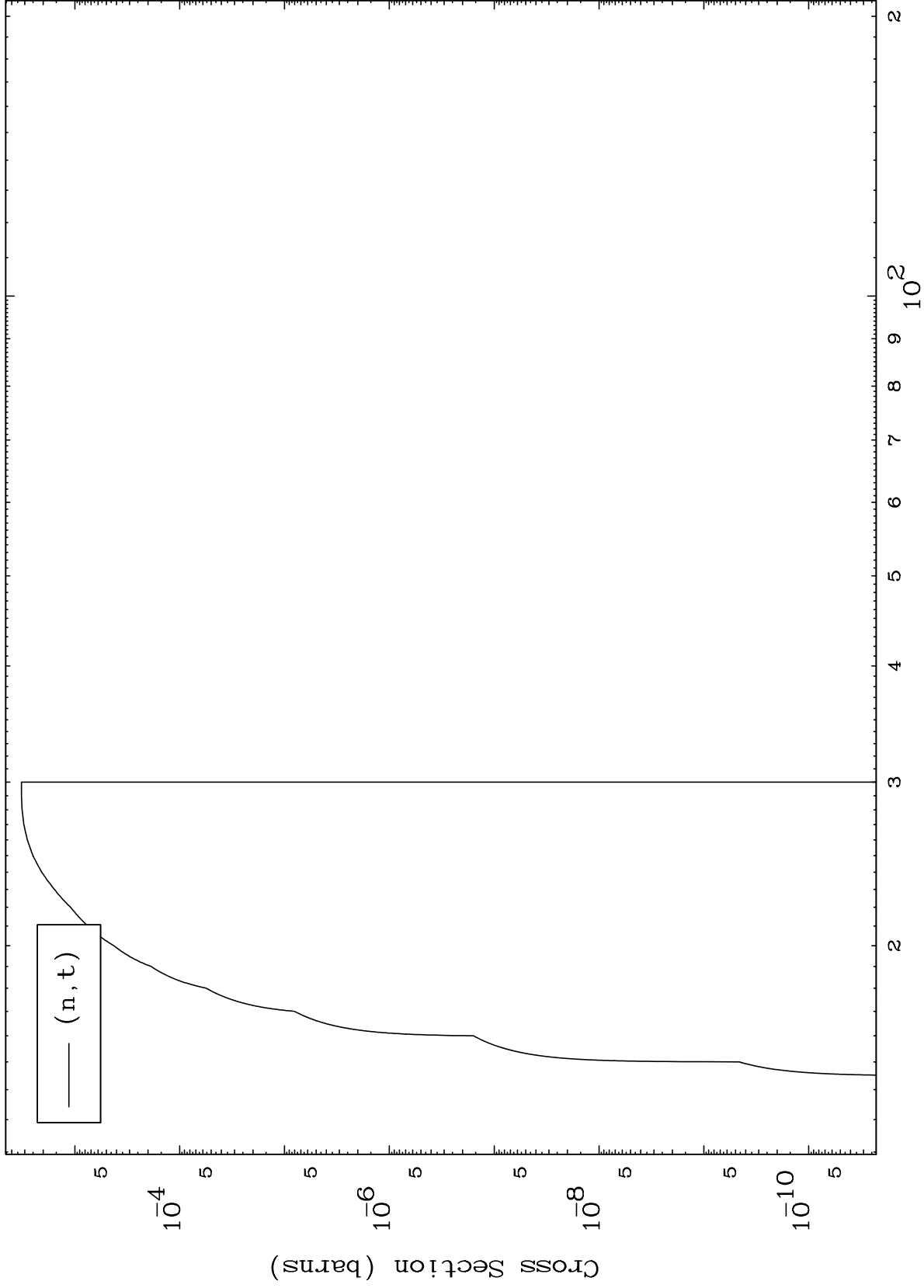
Incident Energy (MeV)

34-Se-82

MAT 3449

(n,t) Levels  
293 Kelvin Cross Sections

34-Se-82



14

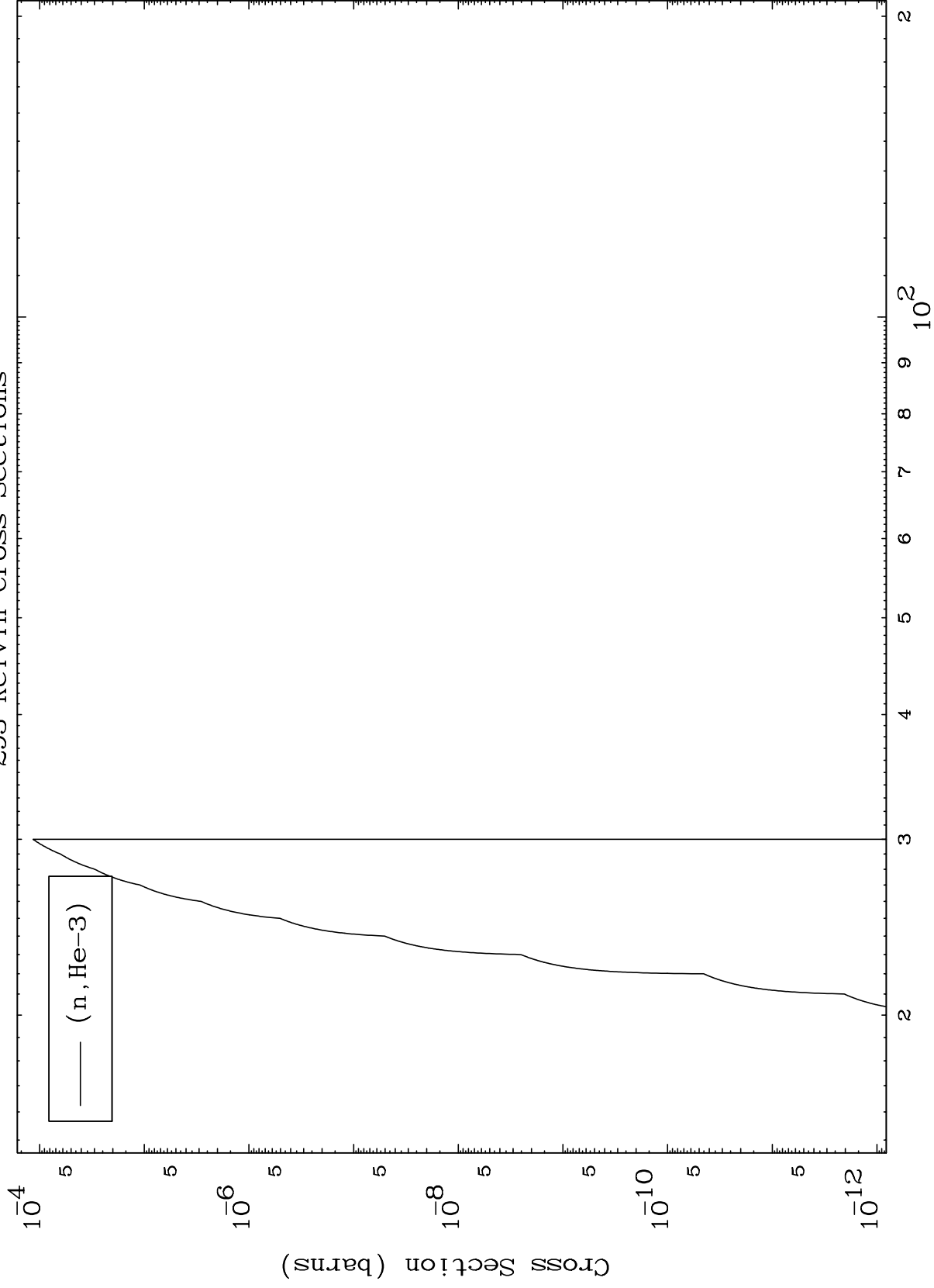
Incident Energy (MeV)

34-Se-82

MAT 3449

(n,He3) Levels  
293 Kelvin Cross Sections

34-Se-82



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Incident Energy (MeV)

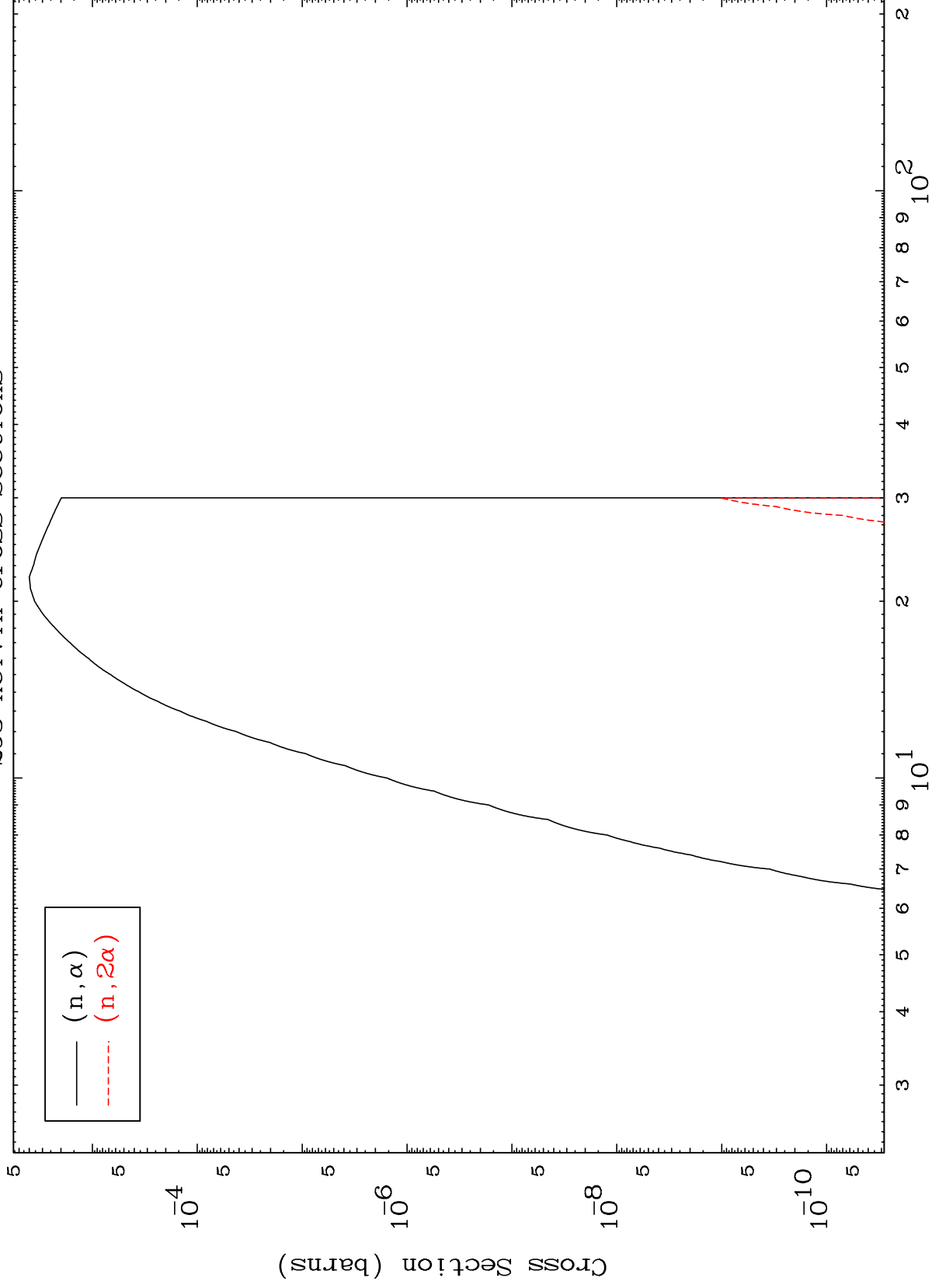
34-Se-82



MAT 3449

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

<sup>34</sup>Se-82



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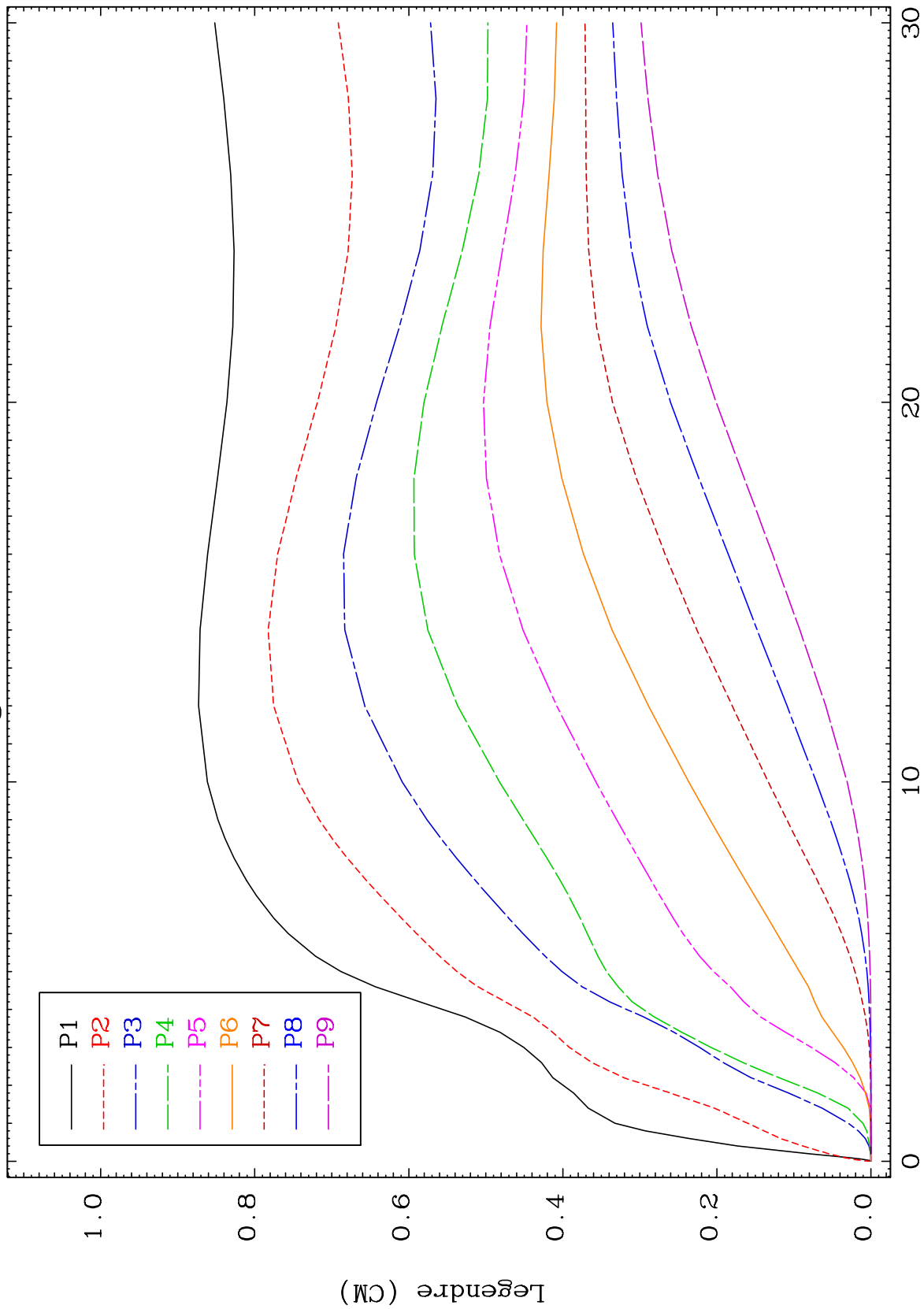
Incident Energy (MeV)

<sup>34</sup>Se-82

MAT 3449

Elastic Legendre Coefficients

<sup>34</sup>Se-82



17

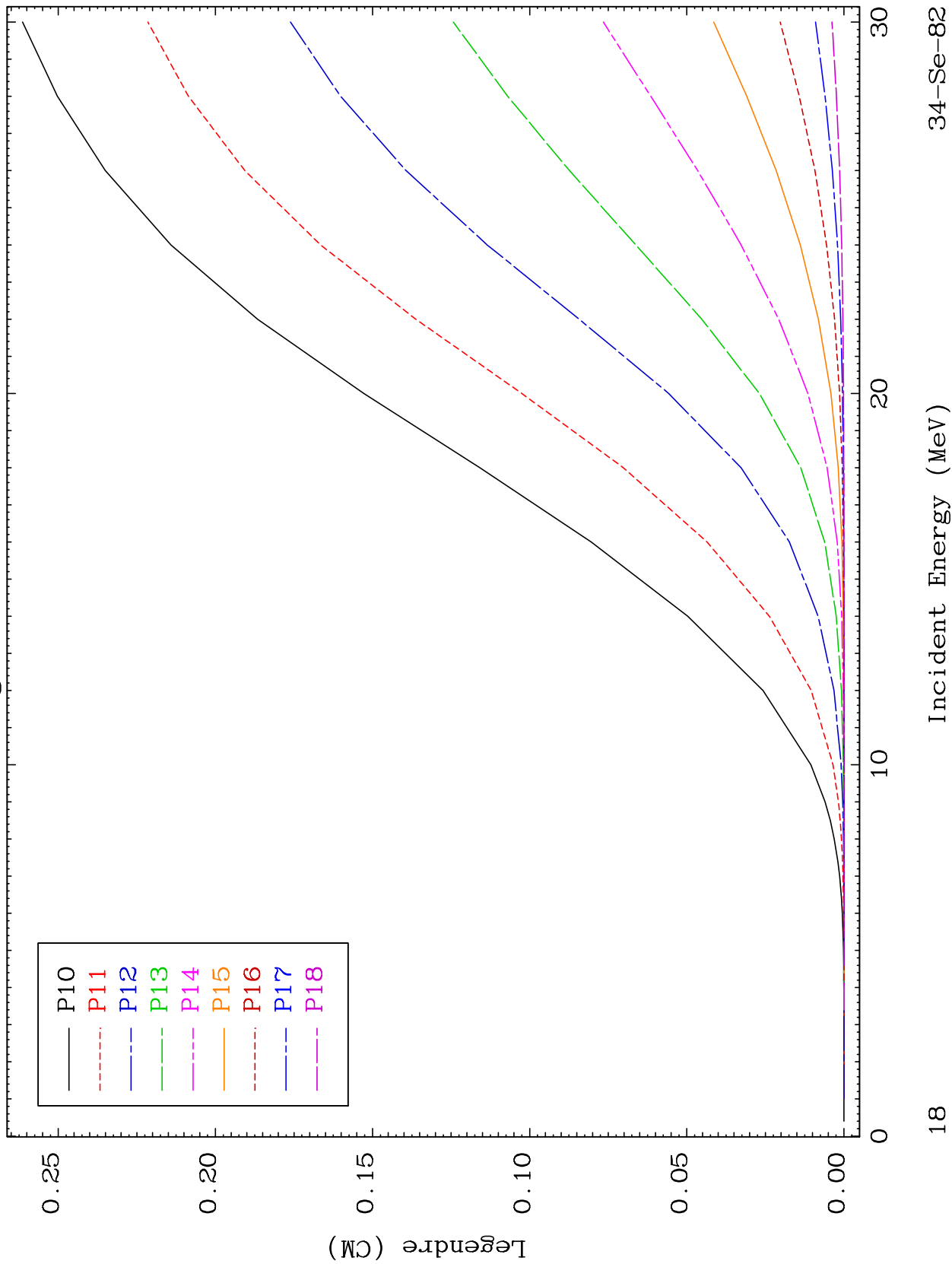
Incident Energy (MeV)

<sup>34</sup>Se-82

MAT 3449

Elastic Legendre Coefficients

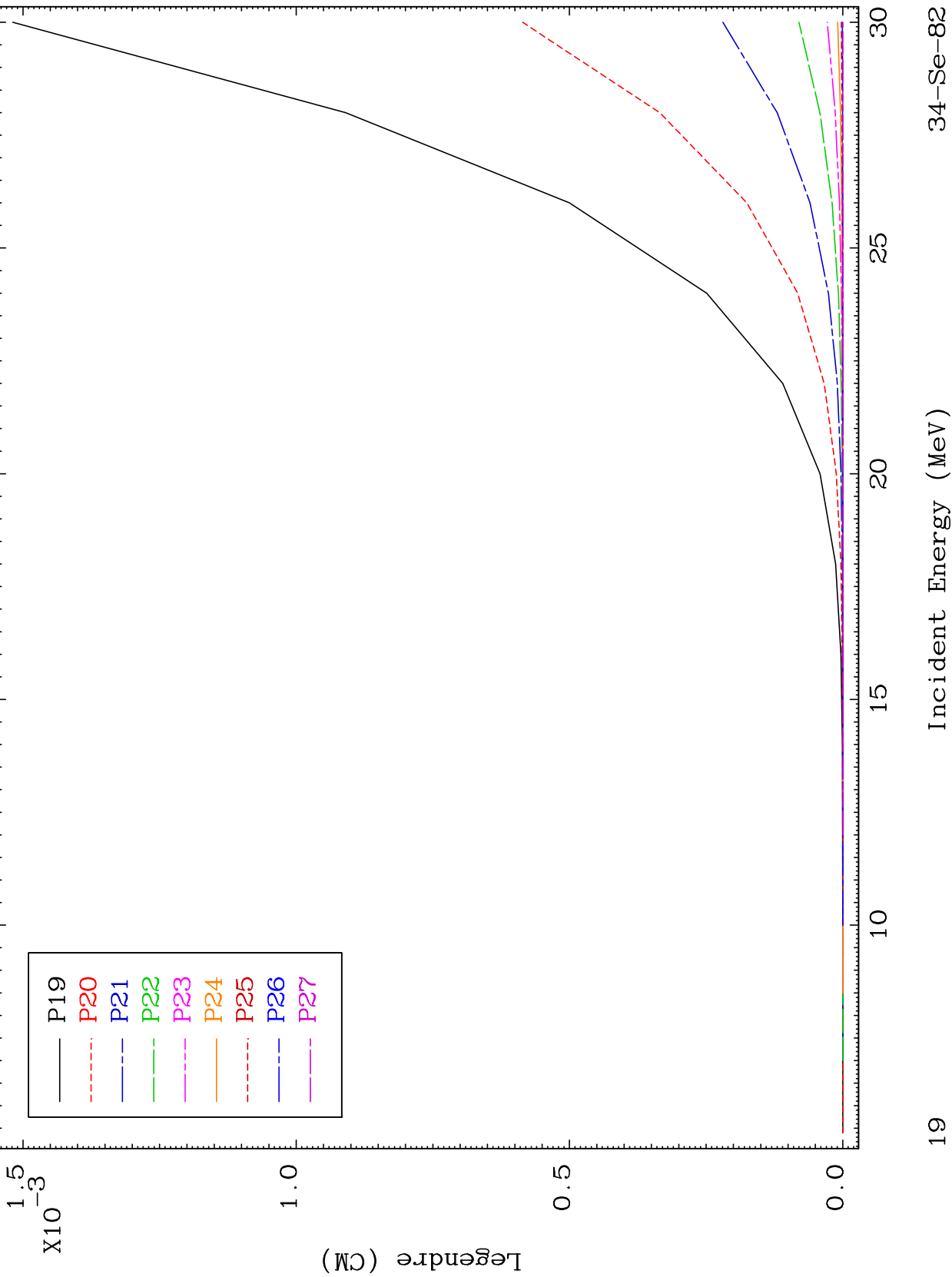
<sup>34</sup>Se-82



MAT 3449

Elastic Legendre Coefficients

<sup>34</sup>Se-82

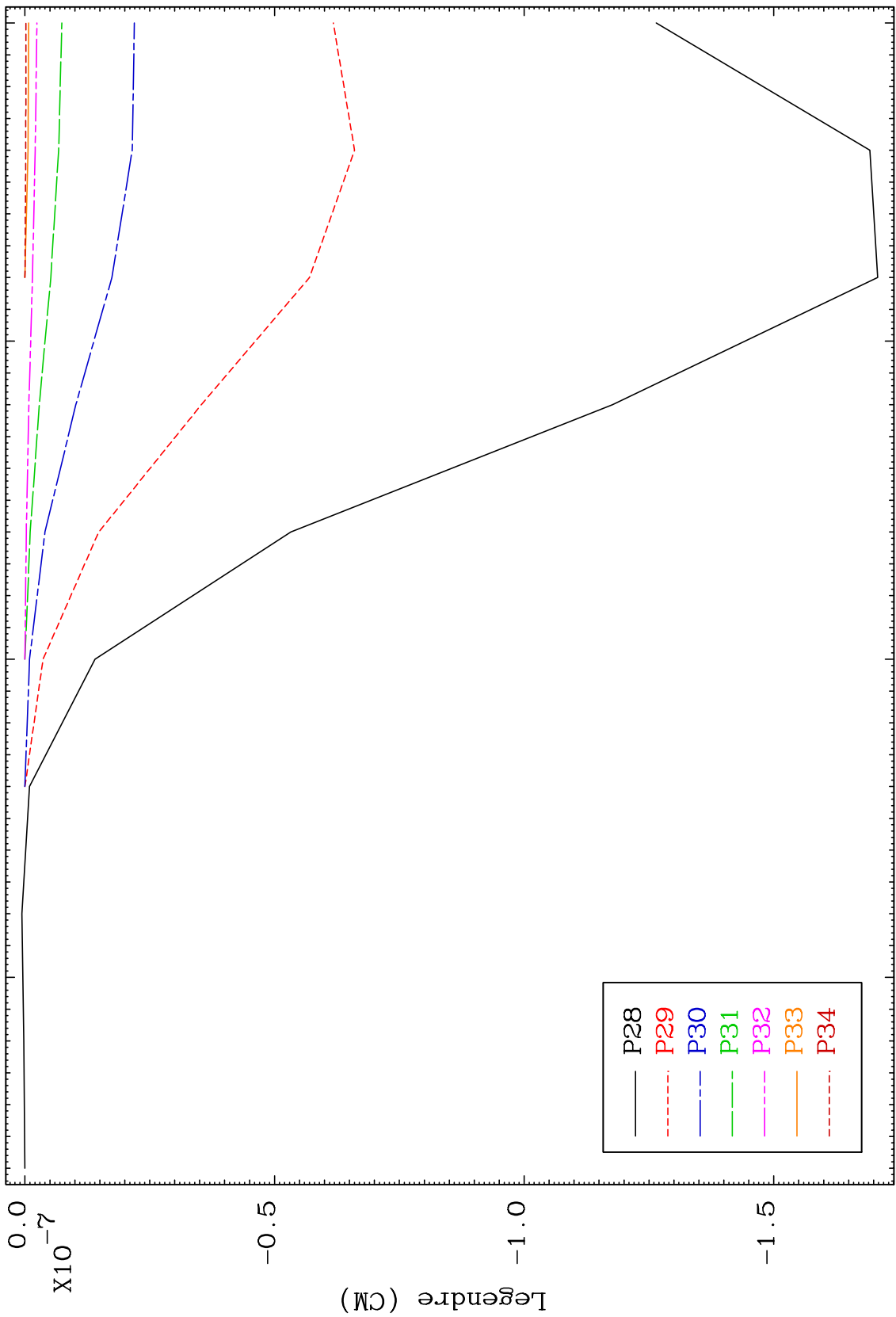


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MAT 3449

<sup>34</sup>Se-82

Elastic Legendre Coefficients



Incident Energy (MeV)

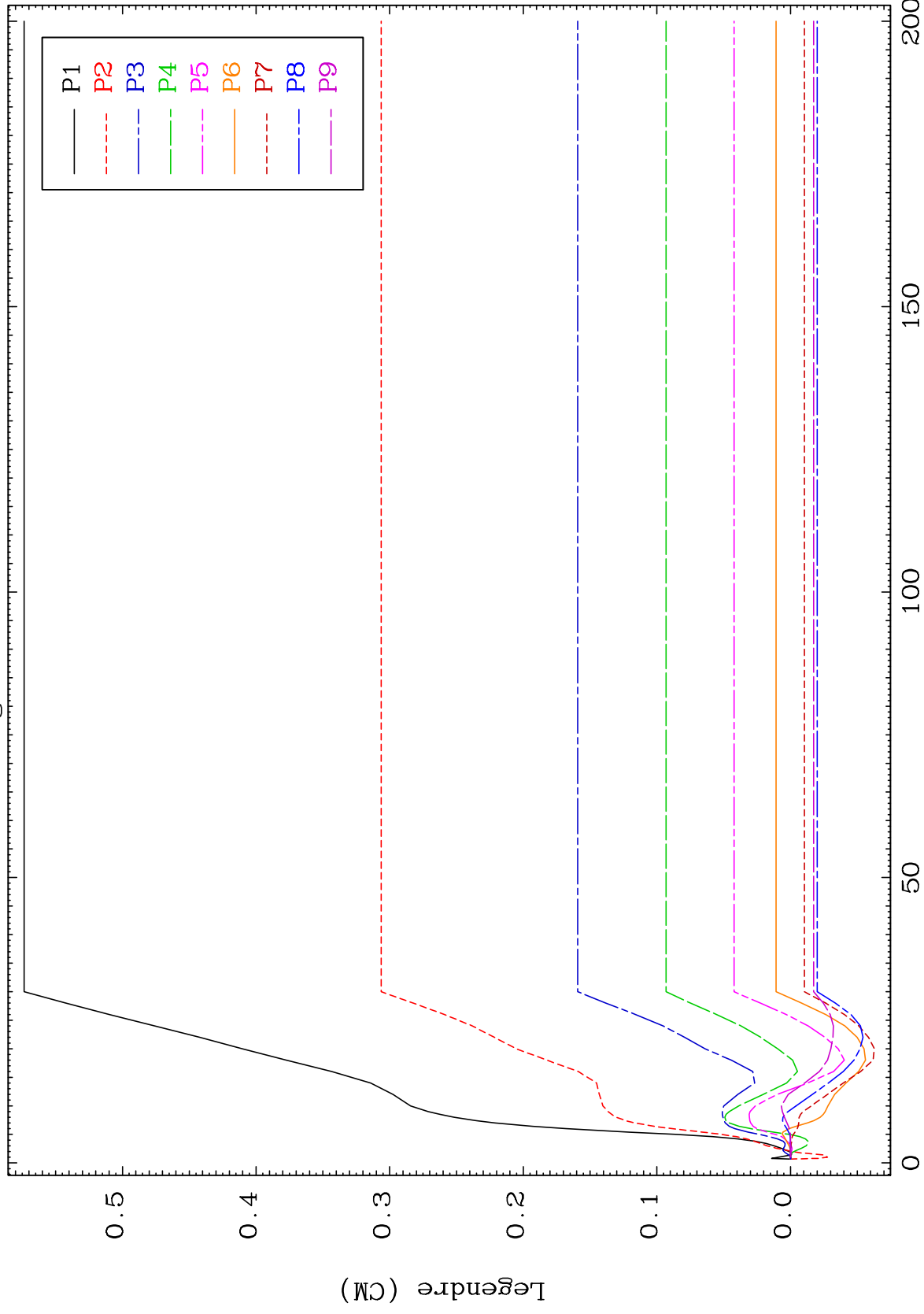
<sup>34</sup>Se-82

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MAT 3449

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

<sup>34</sup>Se-82



21

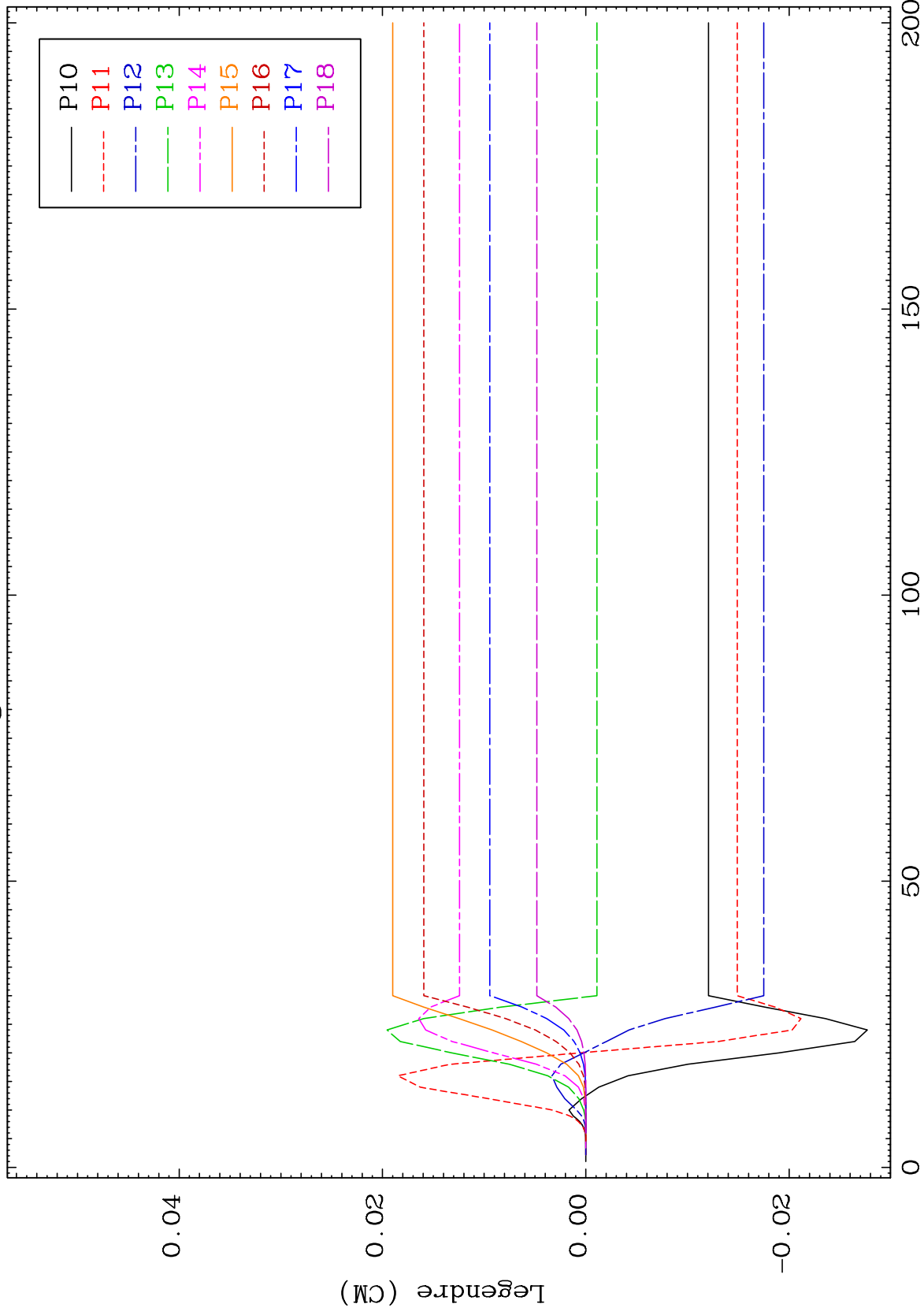
Incident Energy (MeV)

<sup>34</sup>Se-82

MAT 3449

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

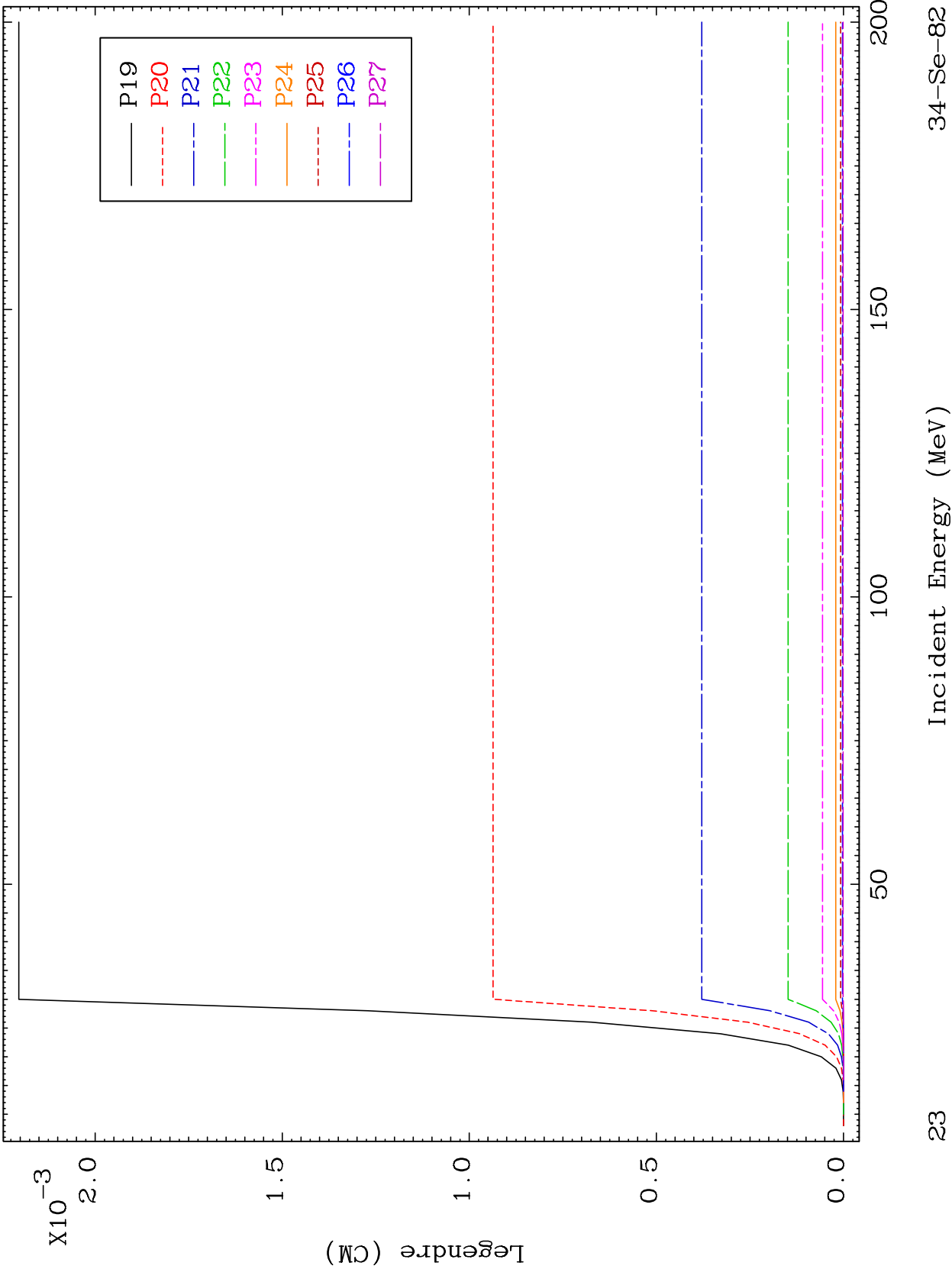
34-Se-82



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Incident Energy (MeV)

34-Se-82

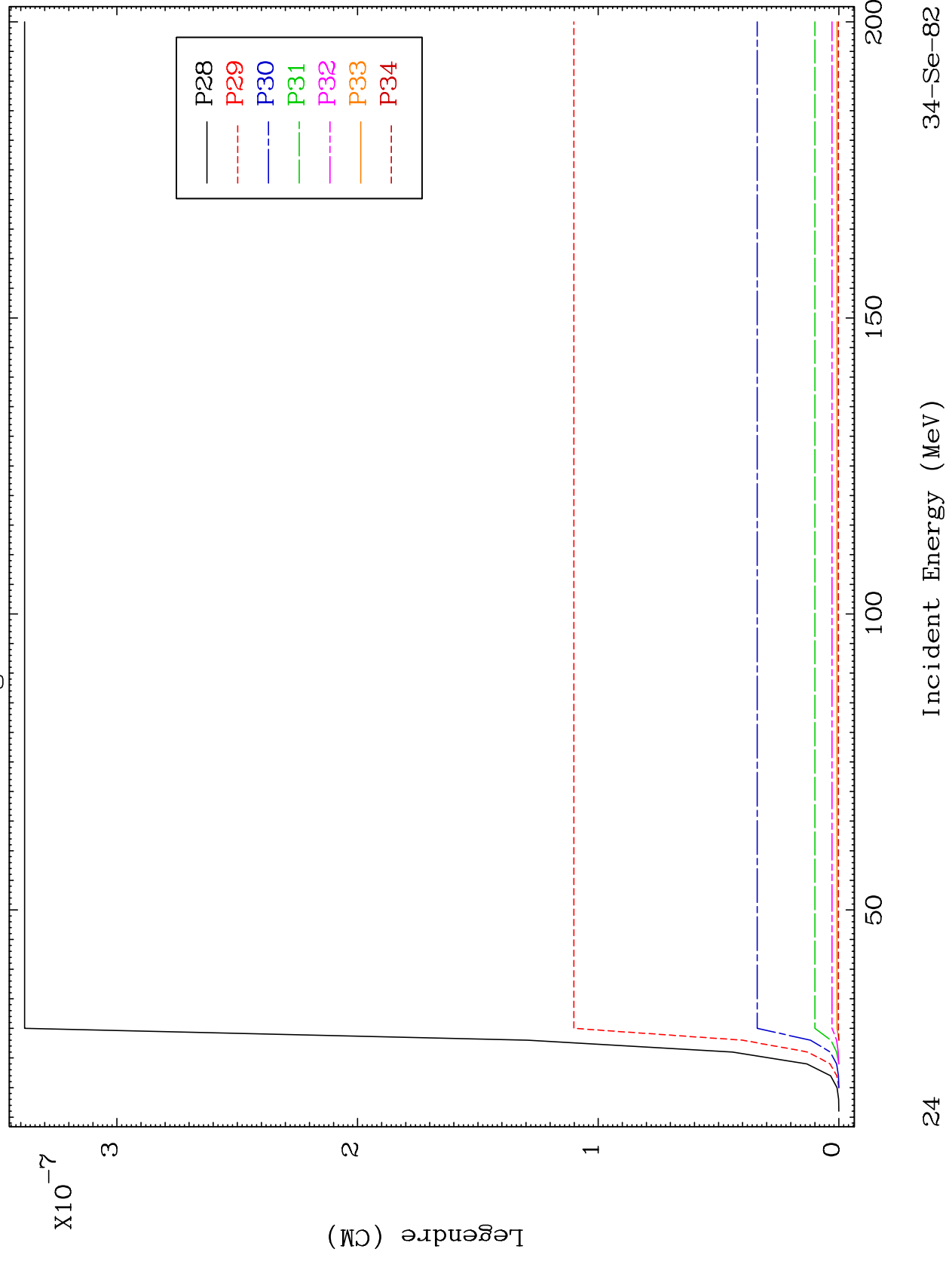




MAT 3449

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

<sup>34</sup>Se-82



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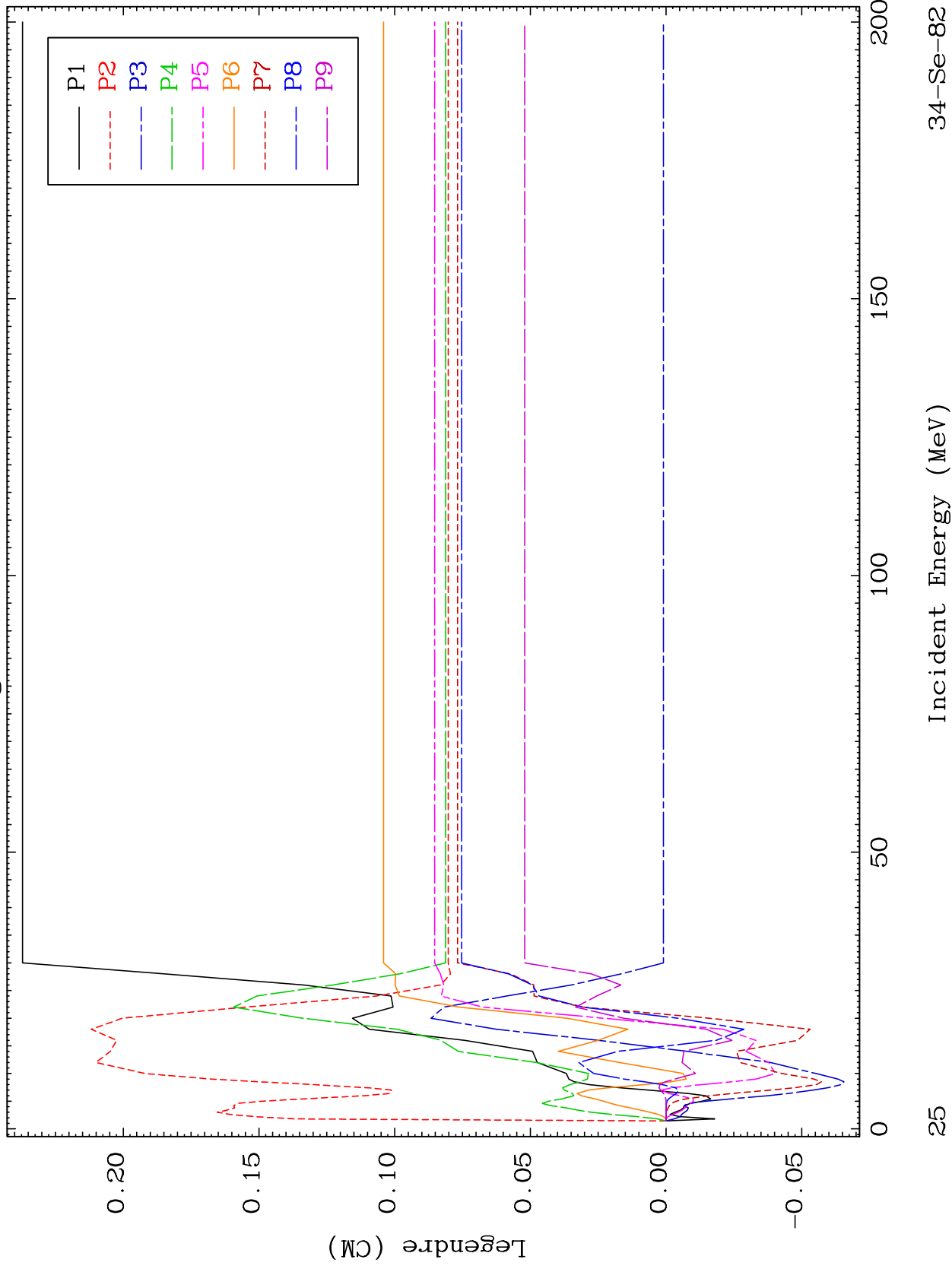
Incident Energy (MeV)

<sup>34</sup>Se-82

MAT 3449

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

34-Se-82



34-Se-82

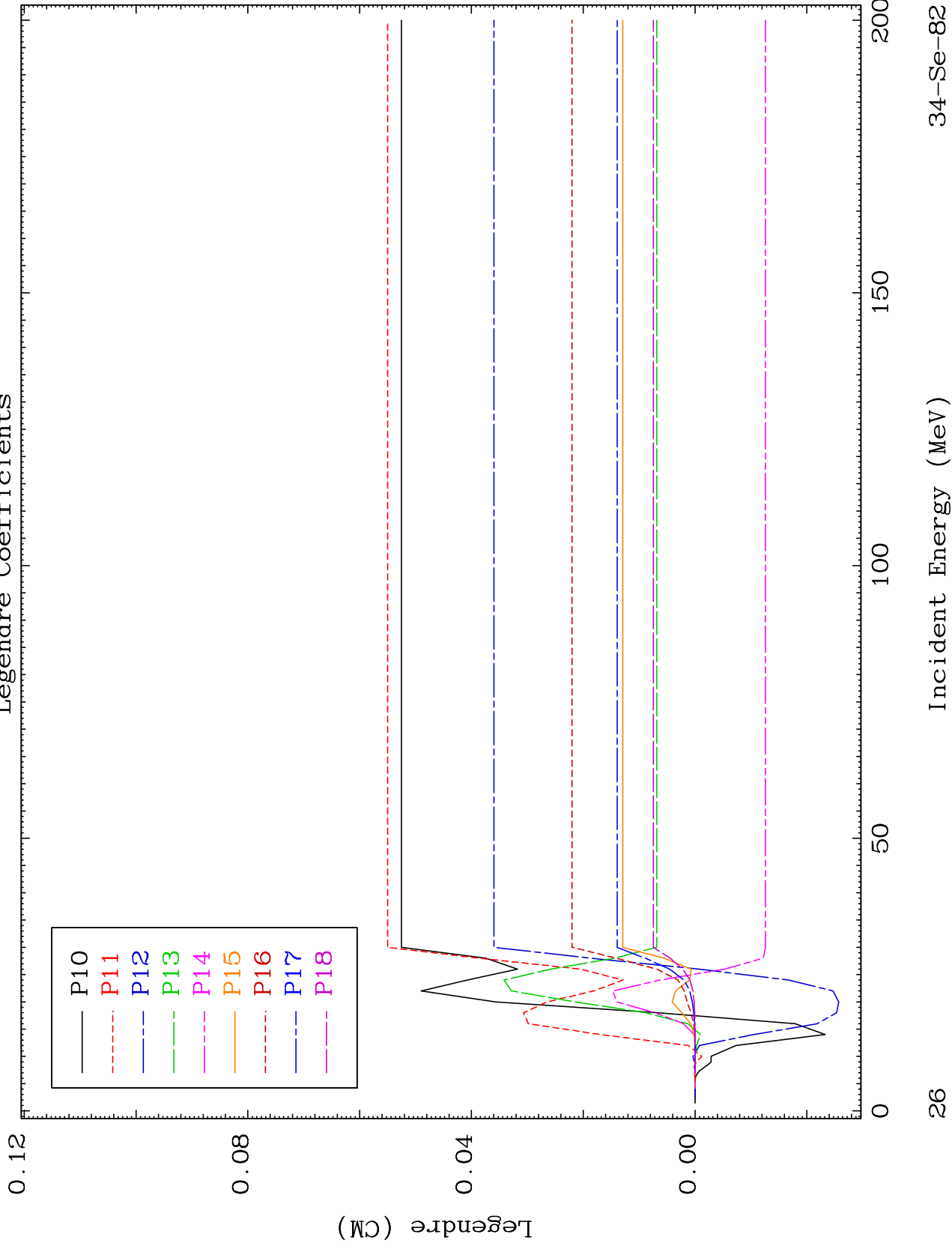
Incident Energy (MeV)

25

MAT 3449

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

<sup>34</sup>Se-82



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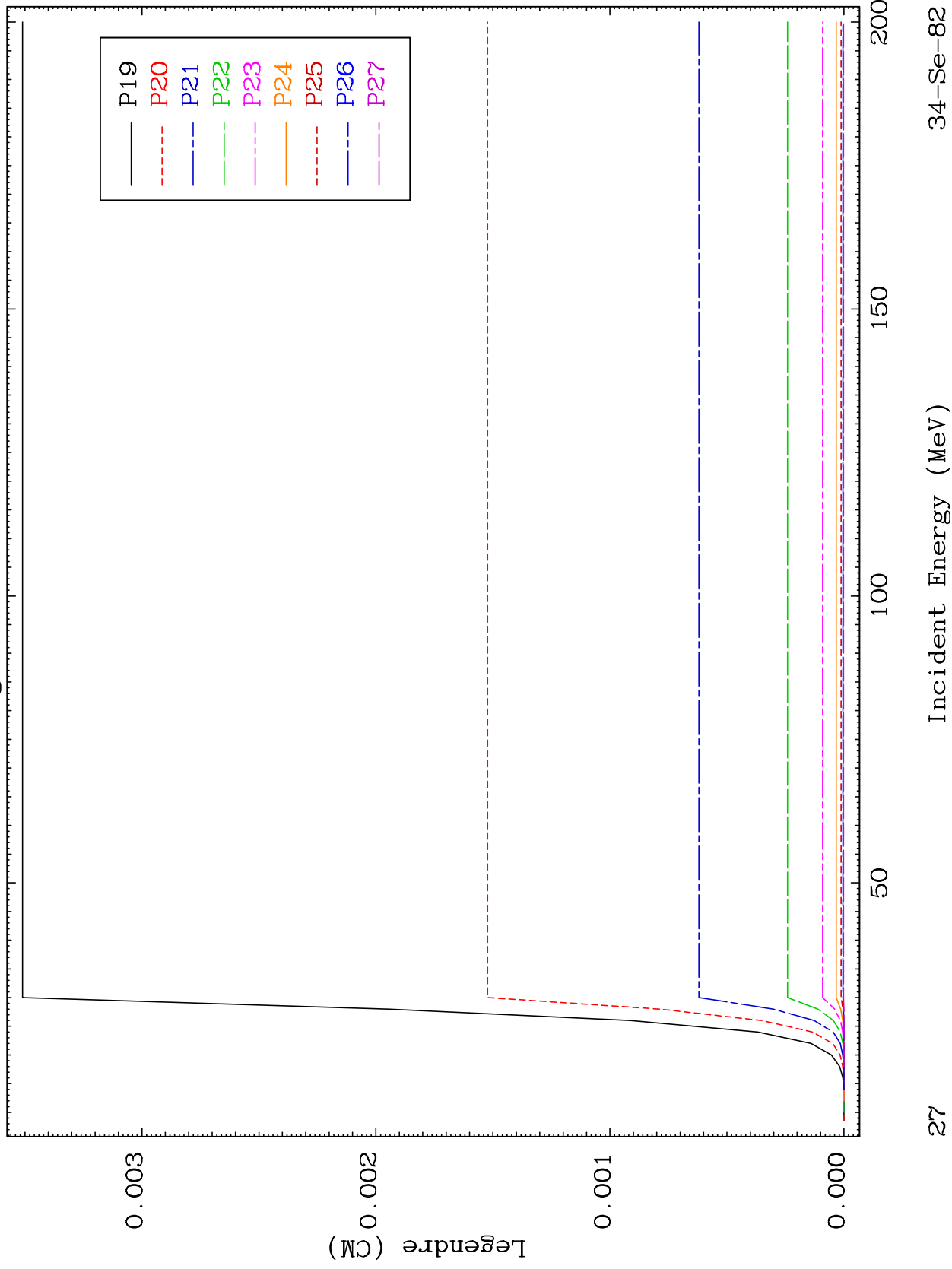
Incident Energy (MeV)

<sup>34</sup>Se-82

MAT 3449

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

34-Se-82



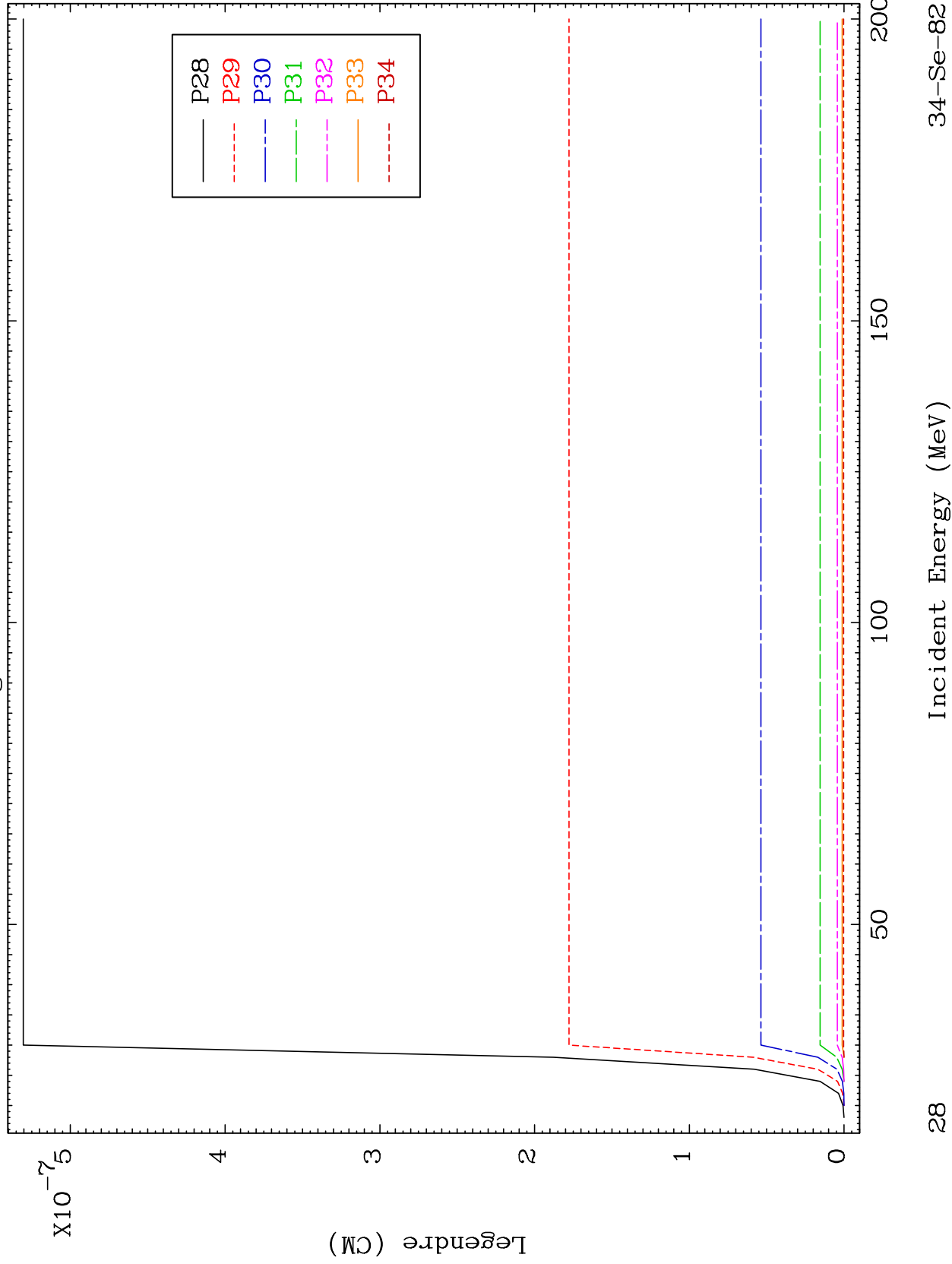
27

34-Se-82

MAT 3449

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

34-Se-82



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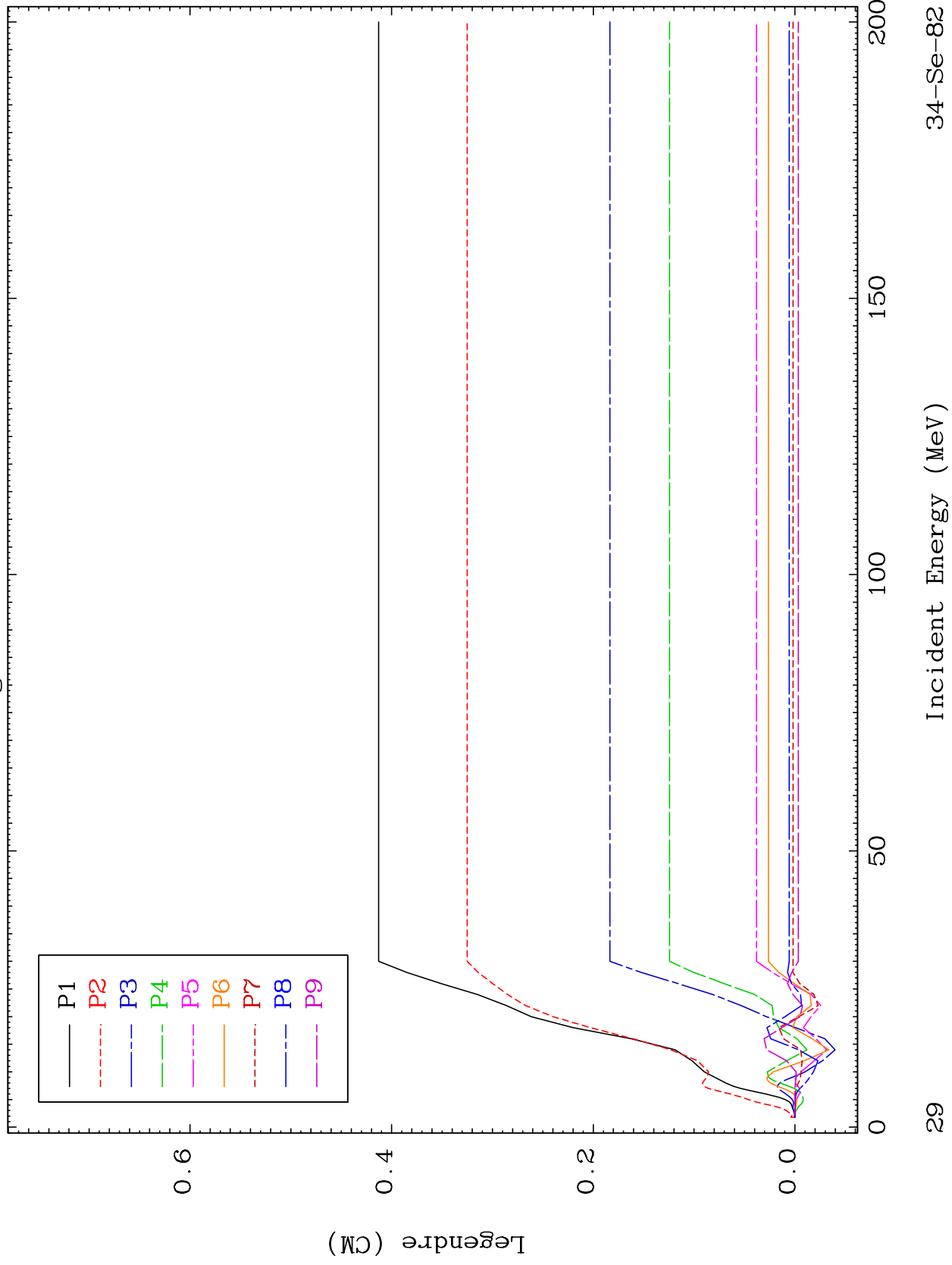
Incident Energy (MeV)

34-Se-82

MAT 3449

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

<sup>34</sup>Se-82



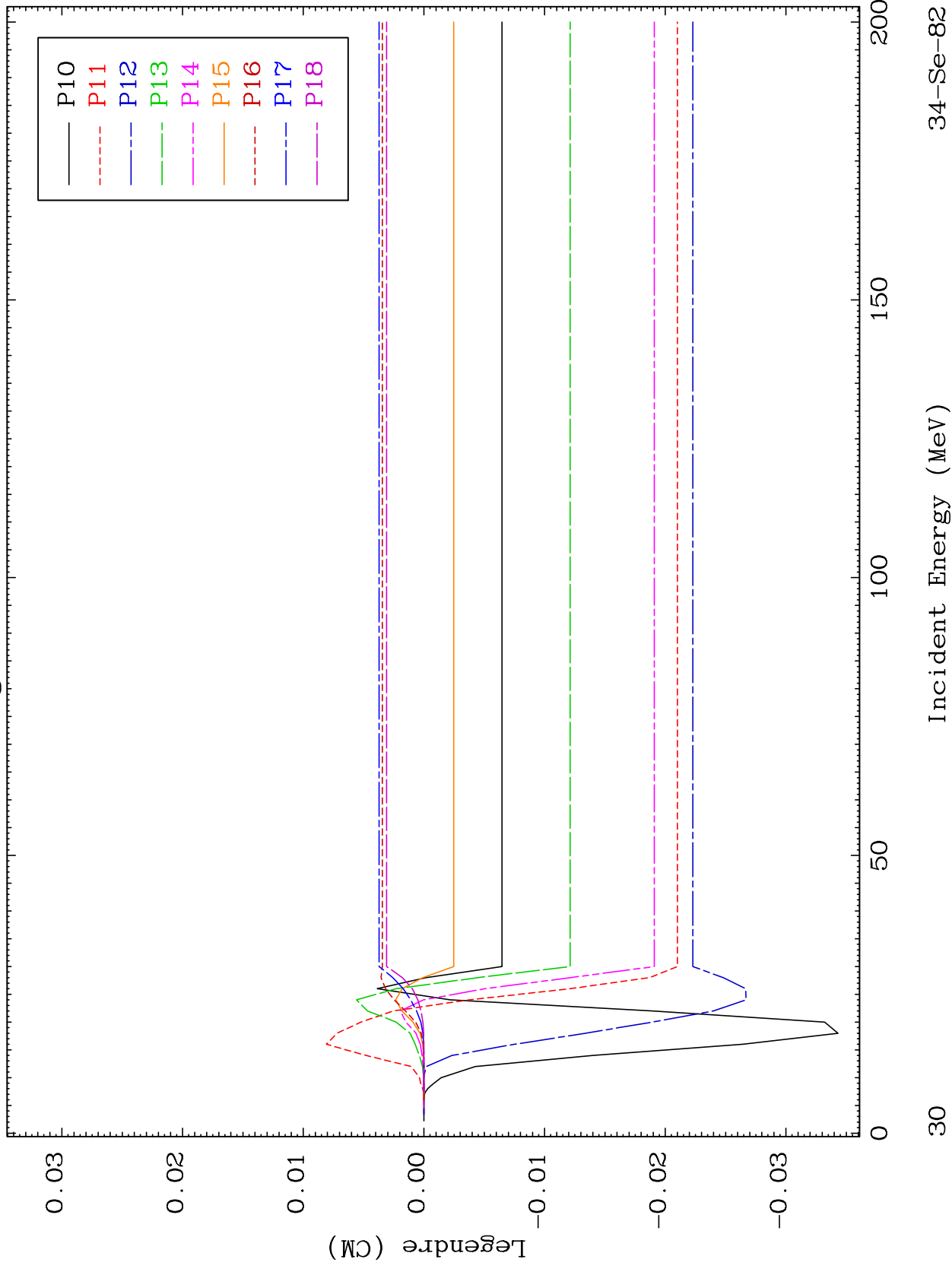
29

<sup>34</sup>Se-82

MAT 3449

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

<sup>34</sup>Se-82



<sup>34</sup>Se-82

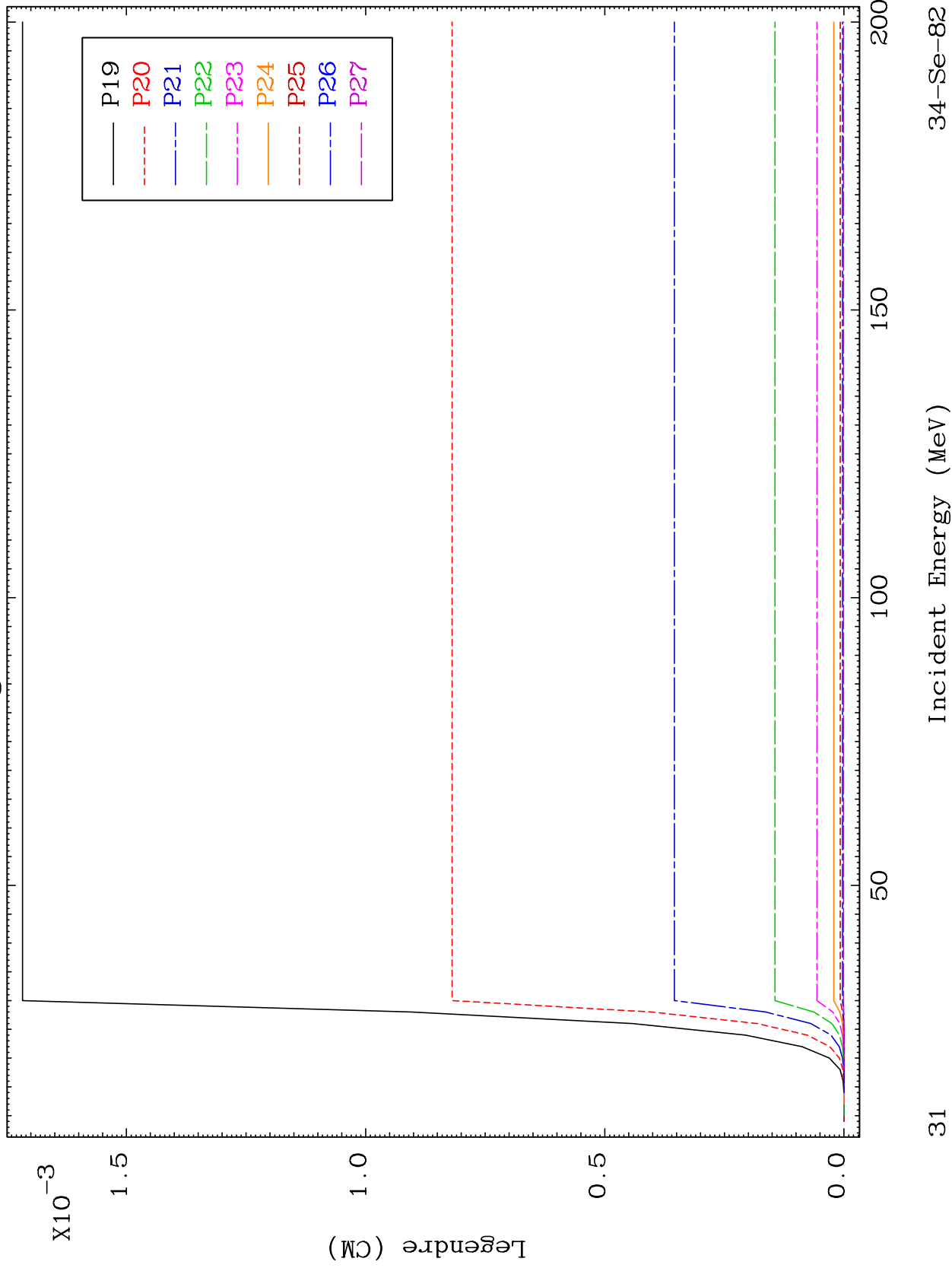
Incident Energy (MeV)

30

MAT 3449

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

<sup>34</sup>Se-82



31

Incident Energy (MeV)

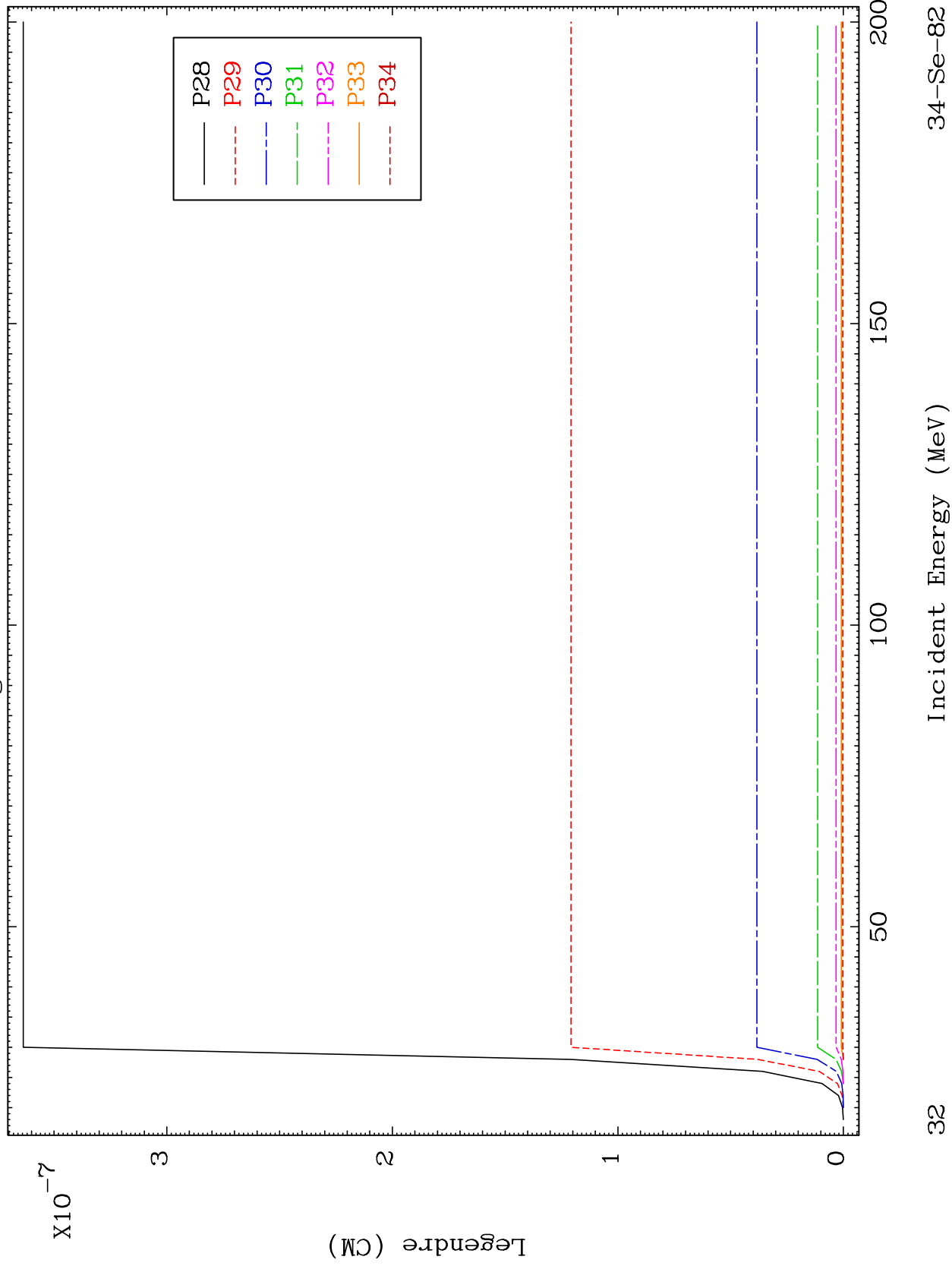
<sup>34</sup>Se-82



MAT 3449

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

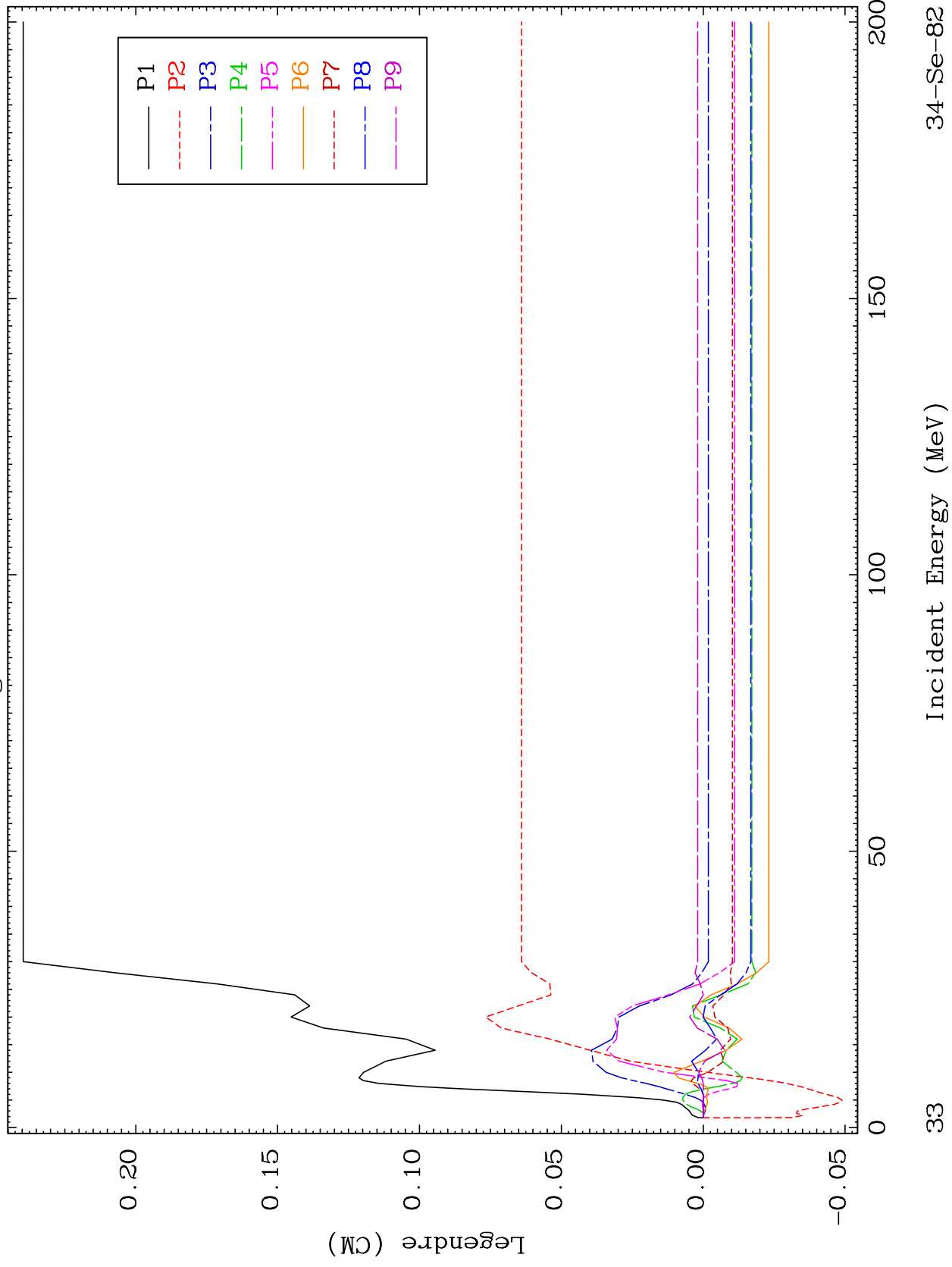
34-Se-82



MAT 3449

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

34-Se-82



33

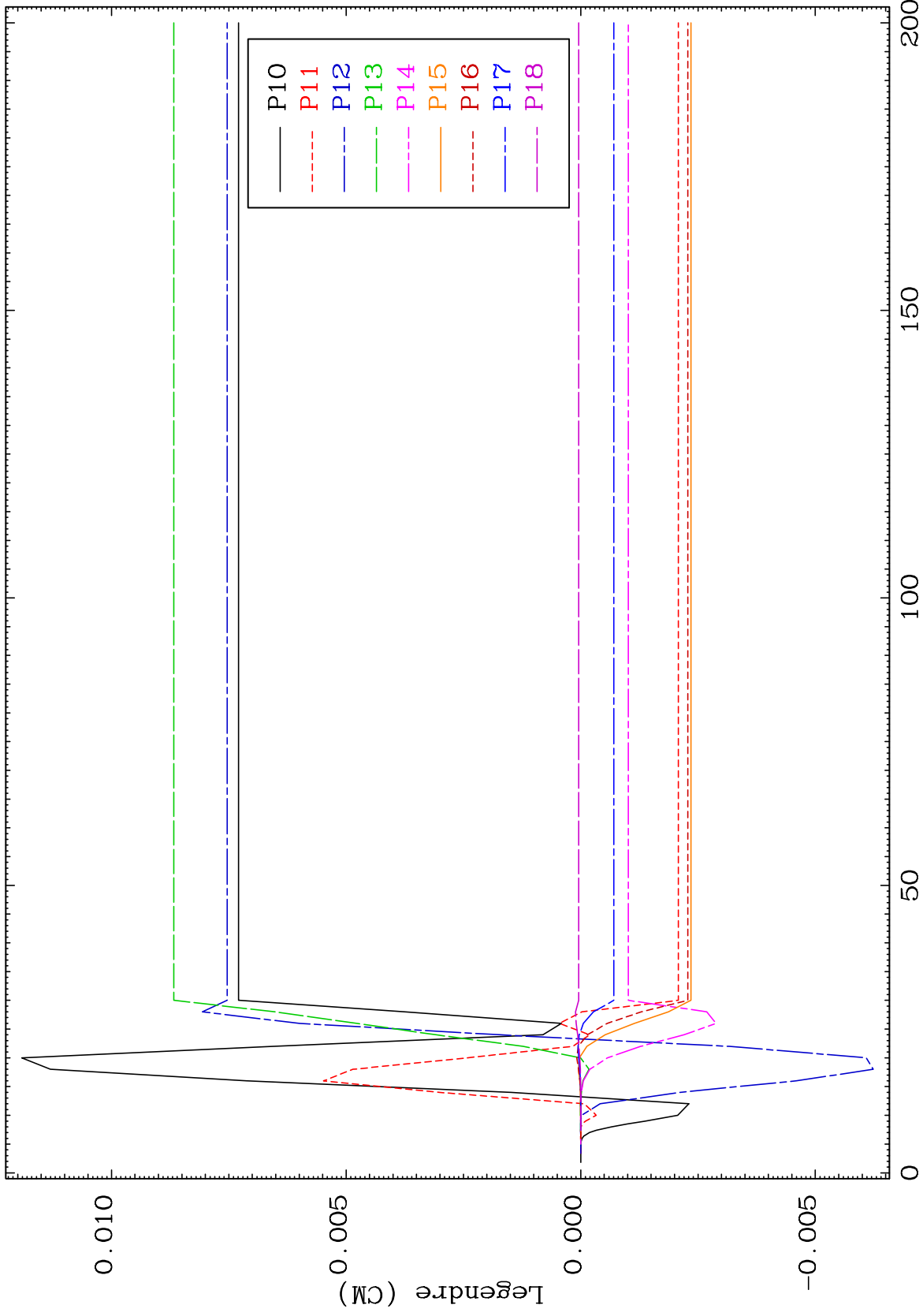
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



34

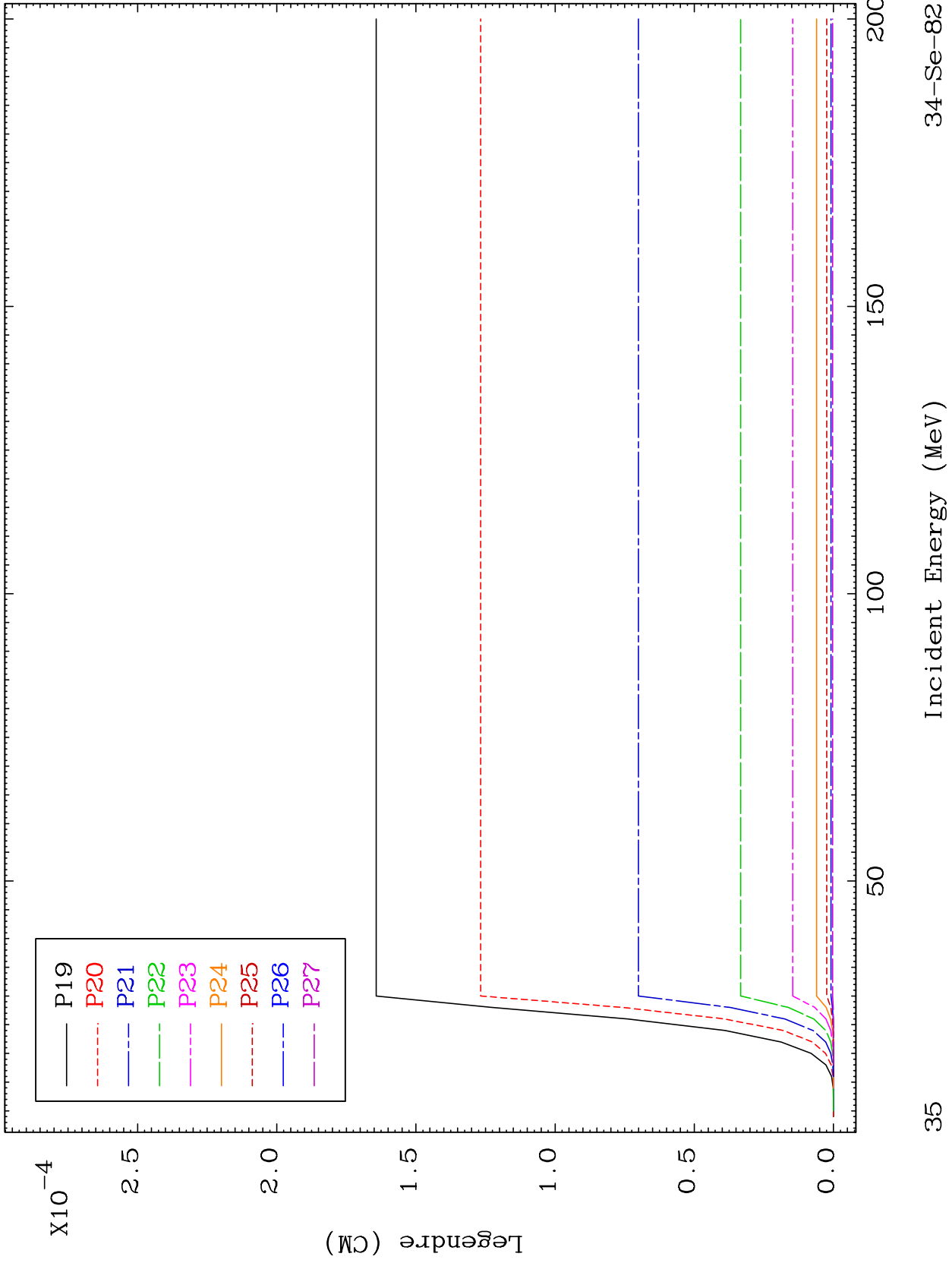
Incident Energy (MeV)

34-Se-82

MAT 3449

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

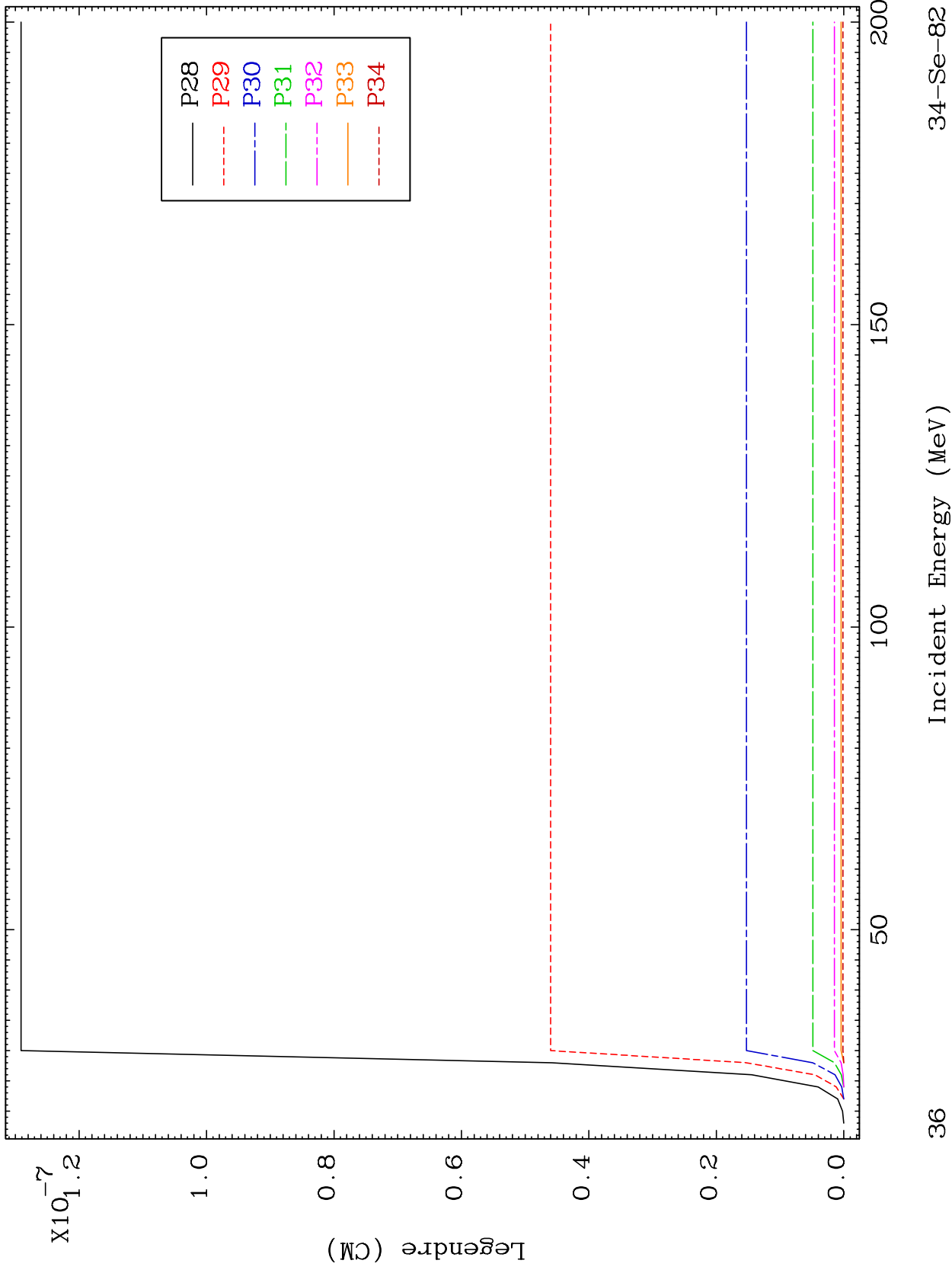
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MAT 3449

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

34-Se-82



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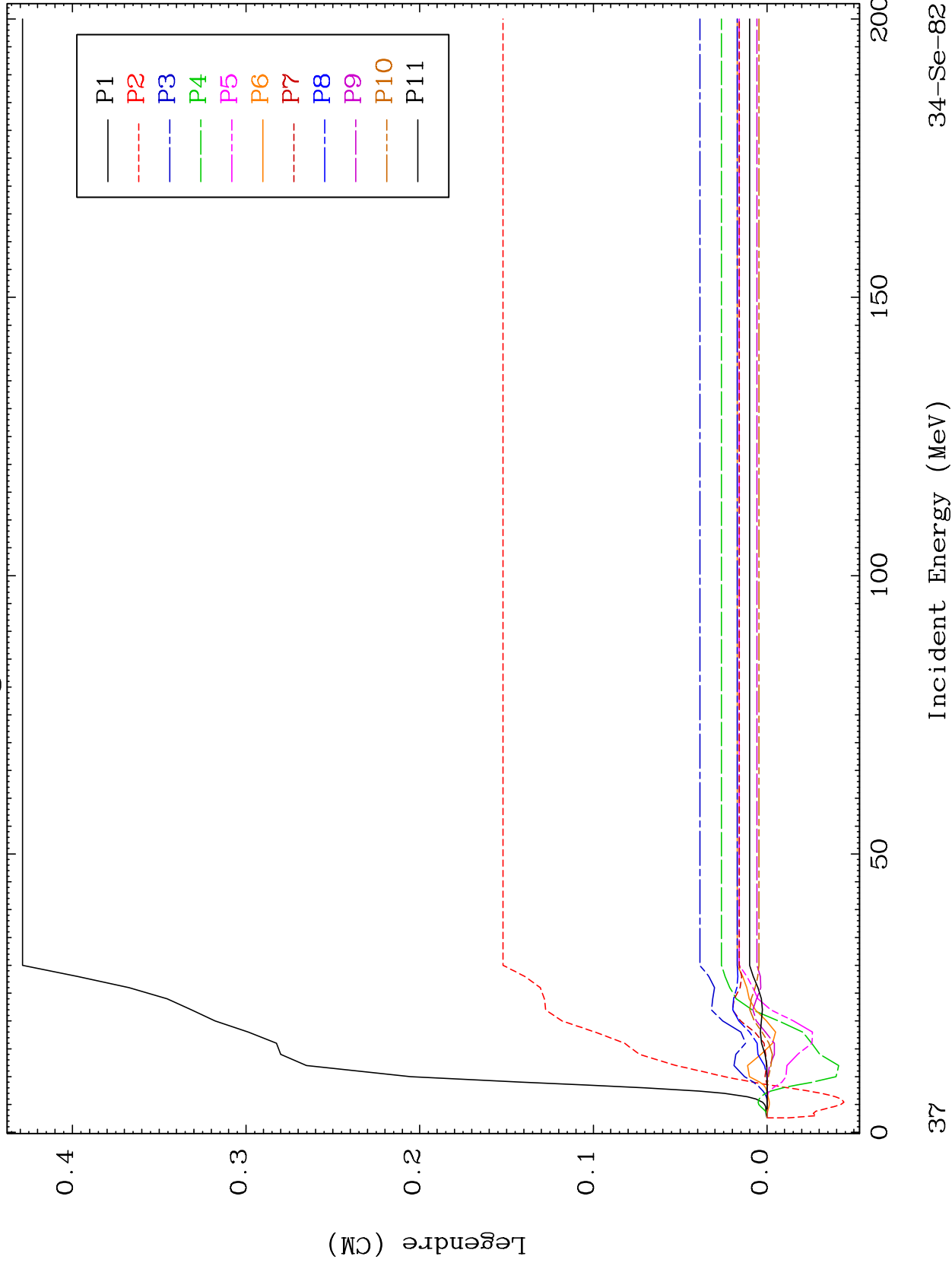
Incident Energy (MeV)

34-Se-82

MAT 3449

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

<sup>34</sup>Se-82



<sup>34</sup>Se-82

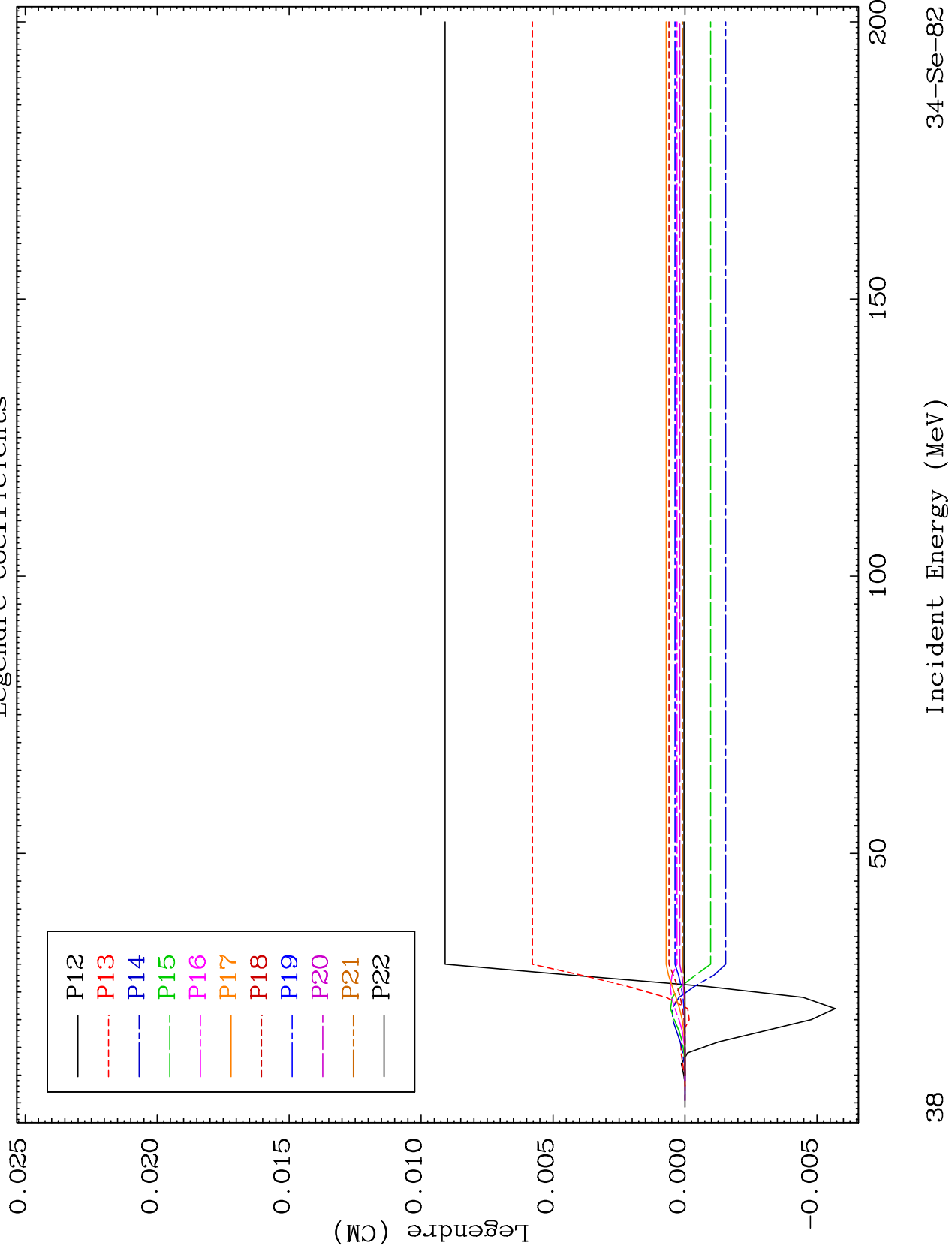
Incident Energy (MeV)

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MAT 3449

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

34-Se-82



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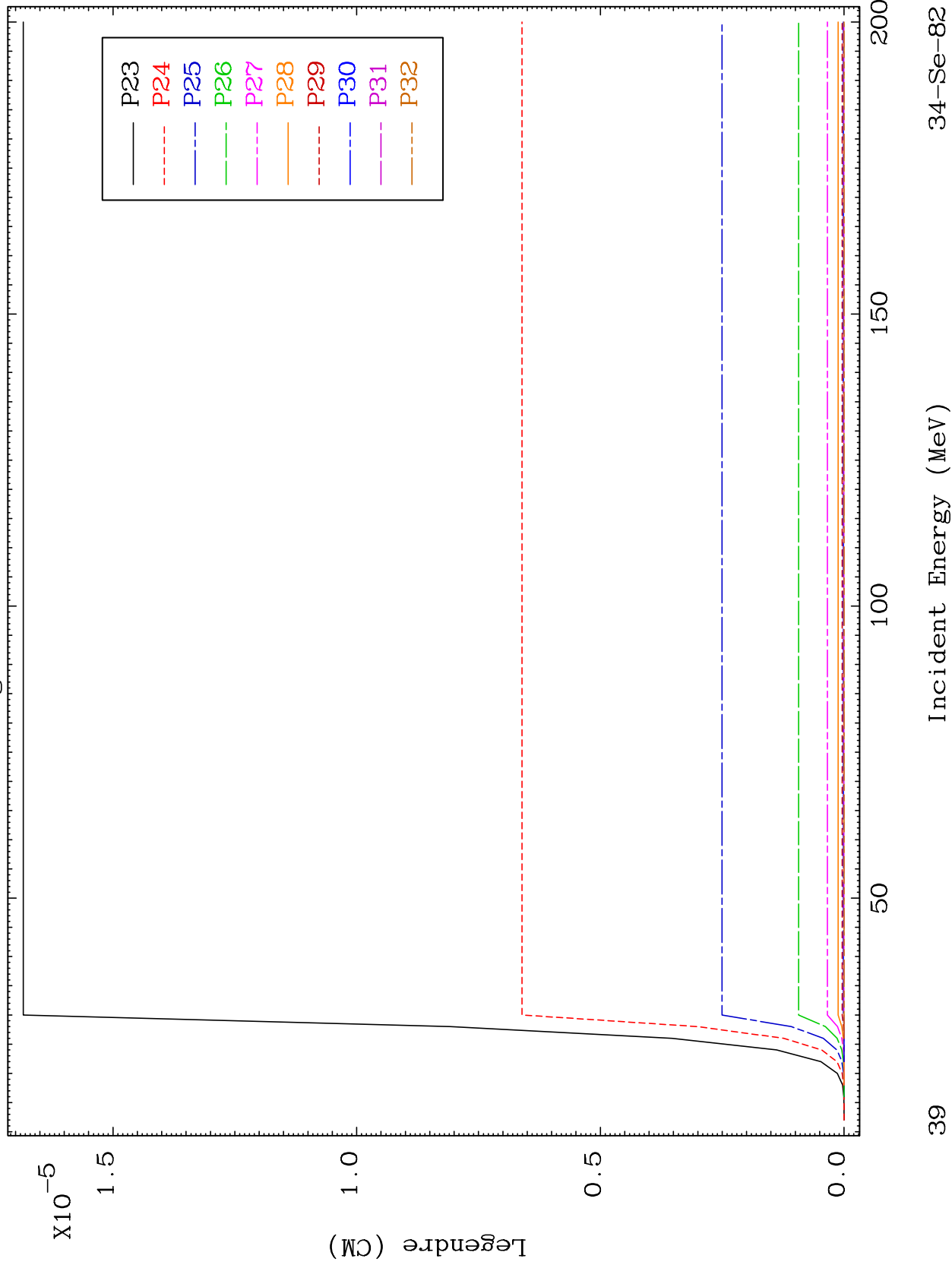
Incident Energy (MeV)

34-Se-82

MAT 3449

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

<sup>34</sup>Se-82



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Incident Energy (MeV)

<sup>34</sup>Se-82

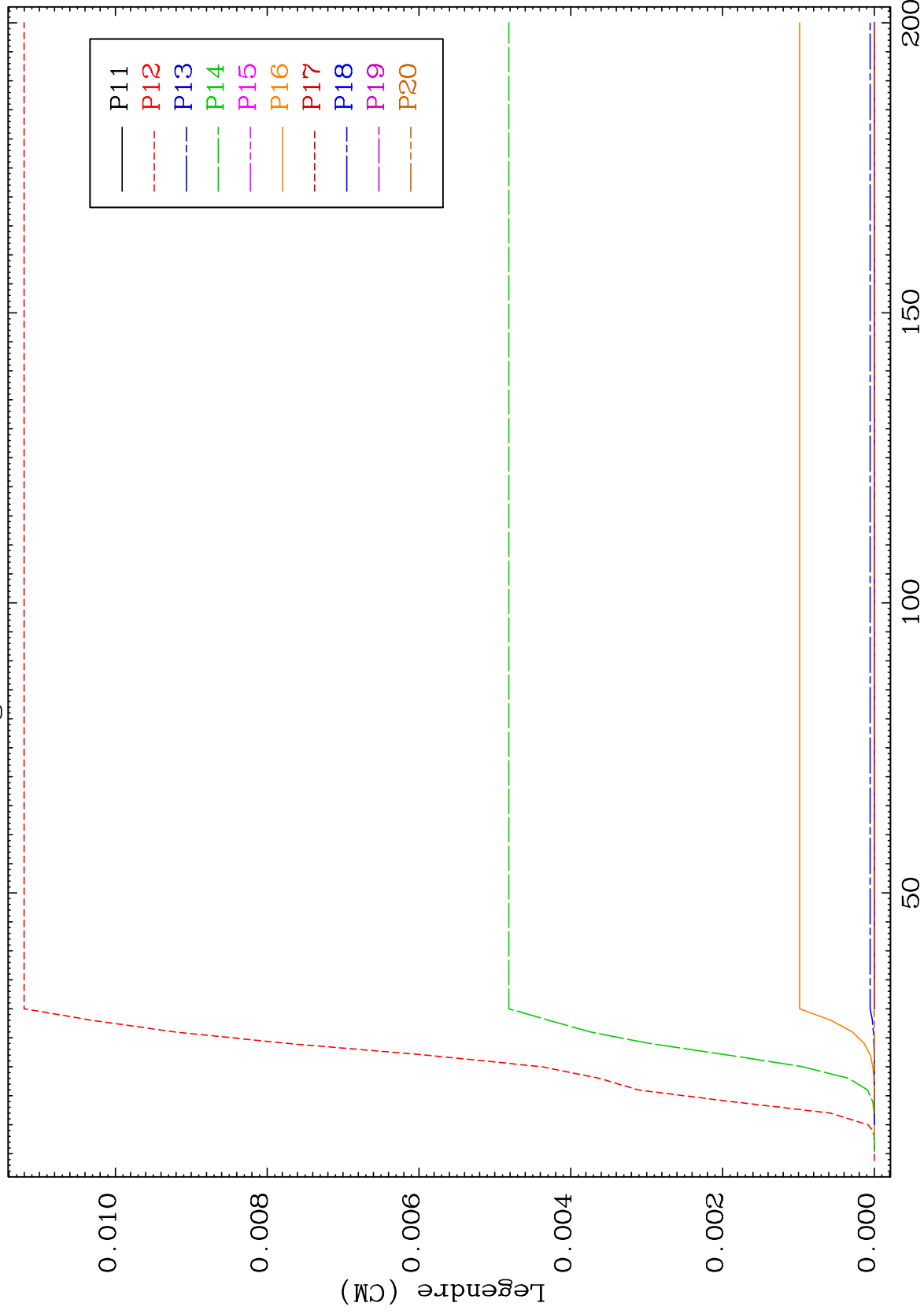




MAT 3449

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

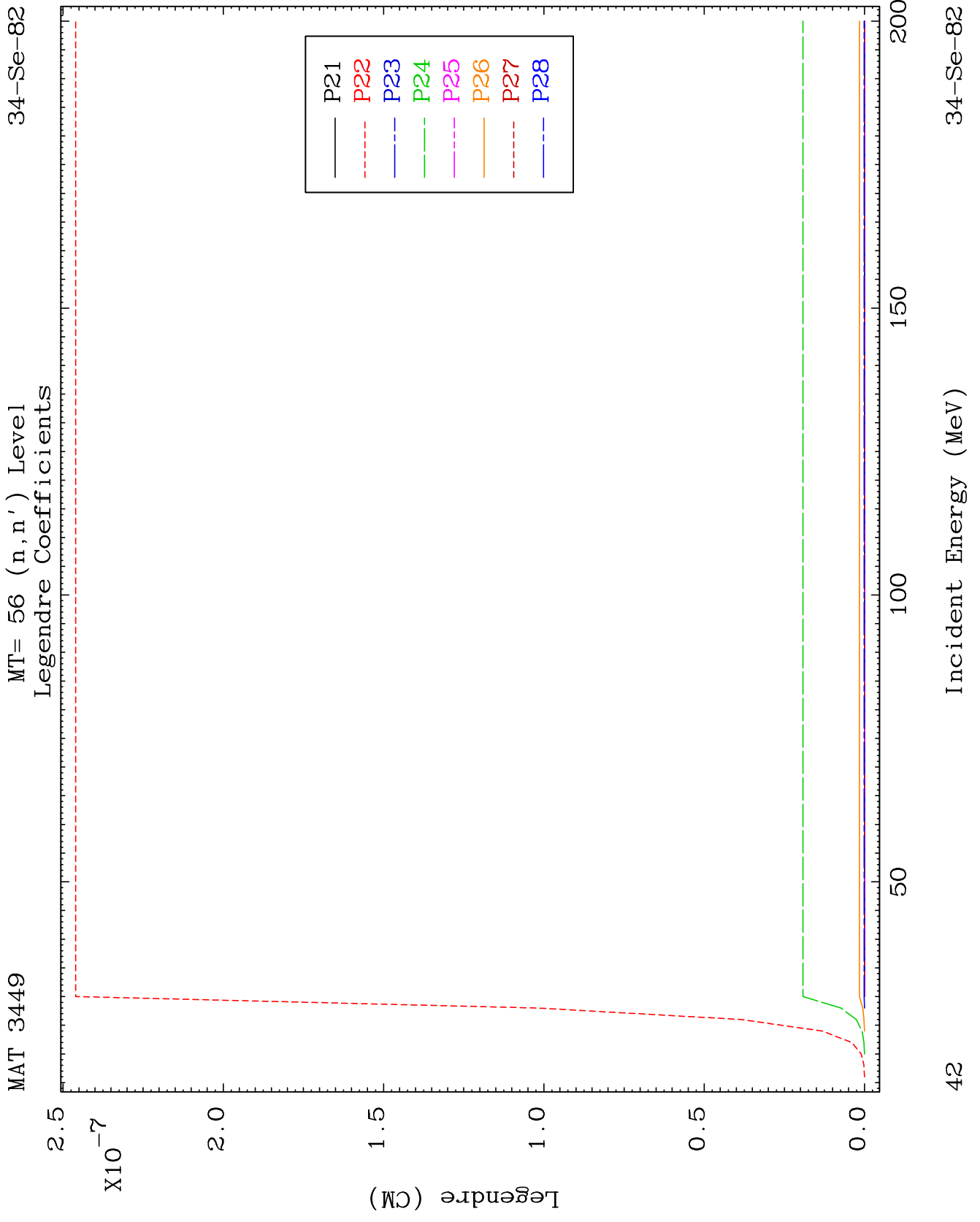
34-Se-82



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Incident Energy (MeV)

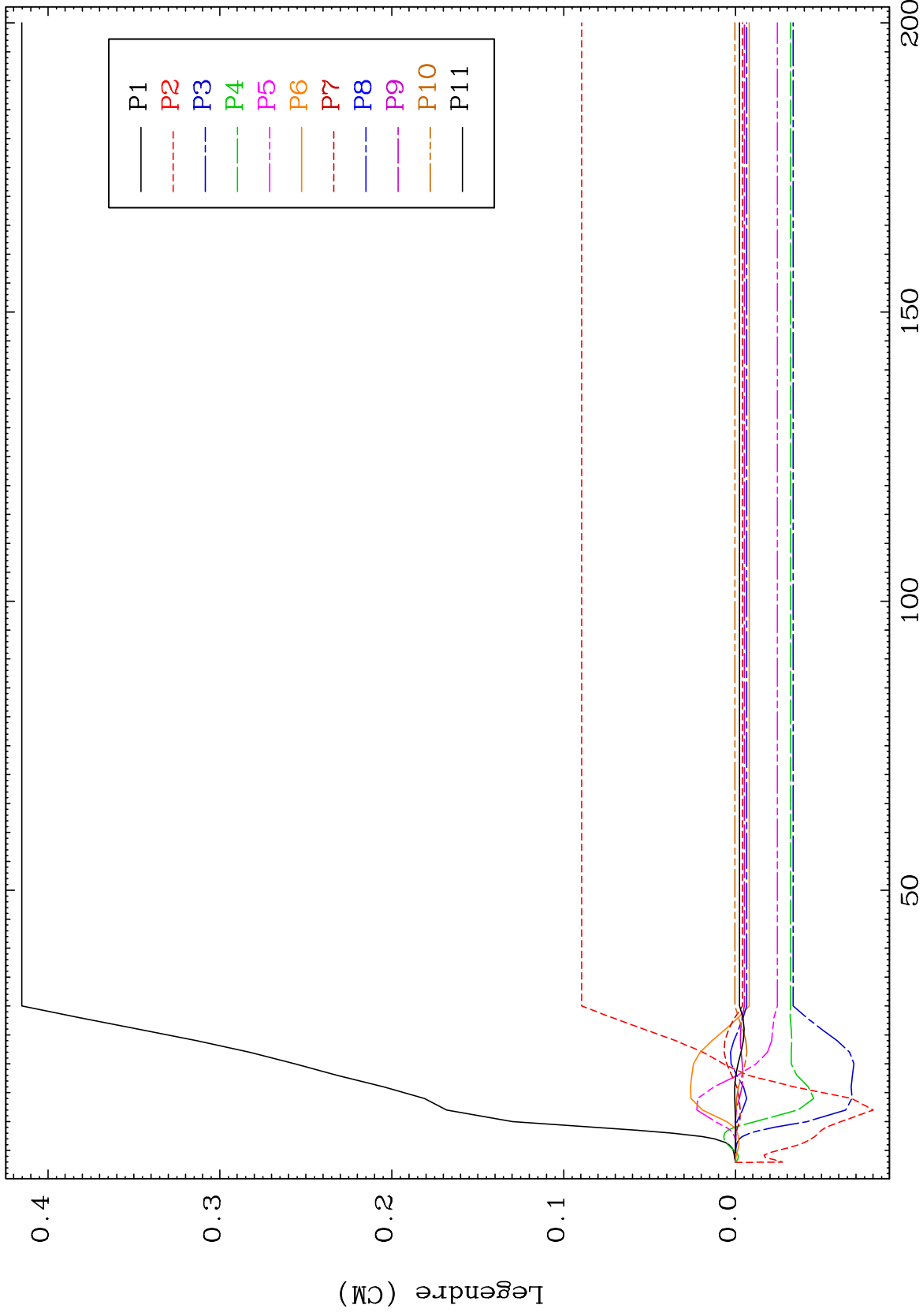
34-Se-82



MAT 3449

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

34-Se-82



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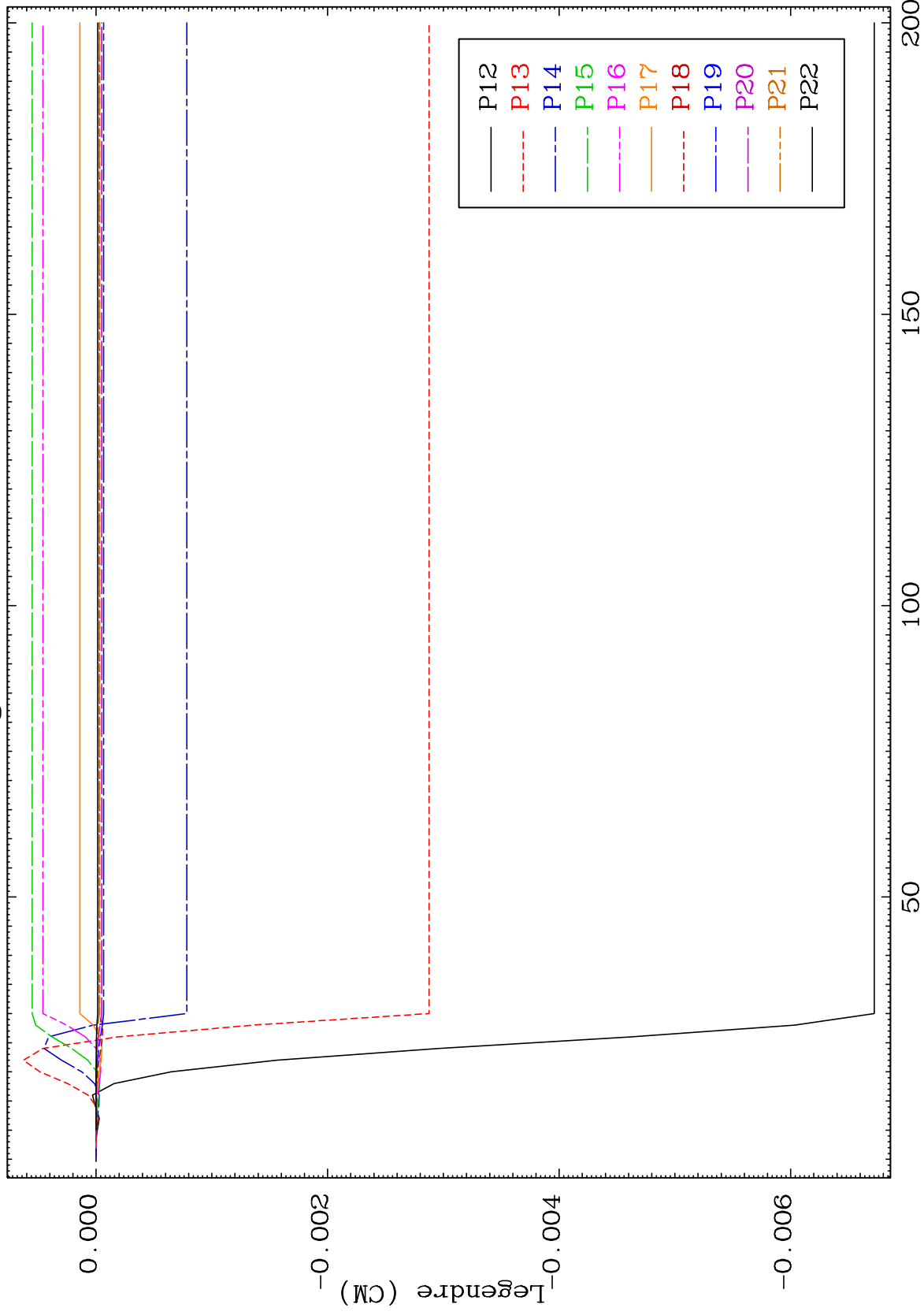
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



44

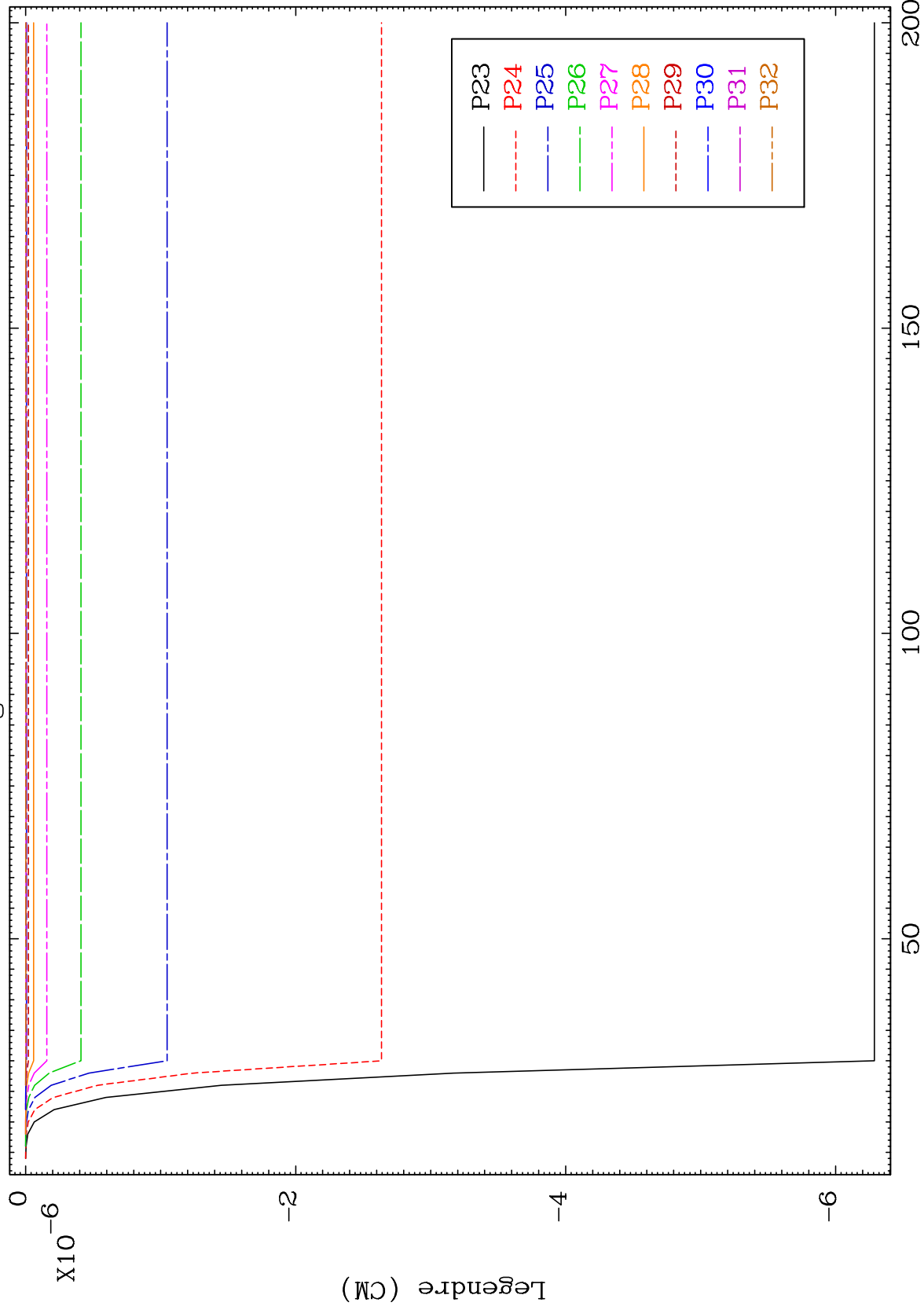
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



45

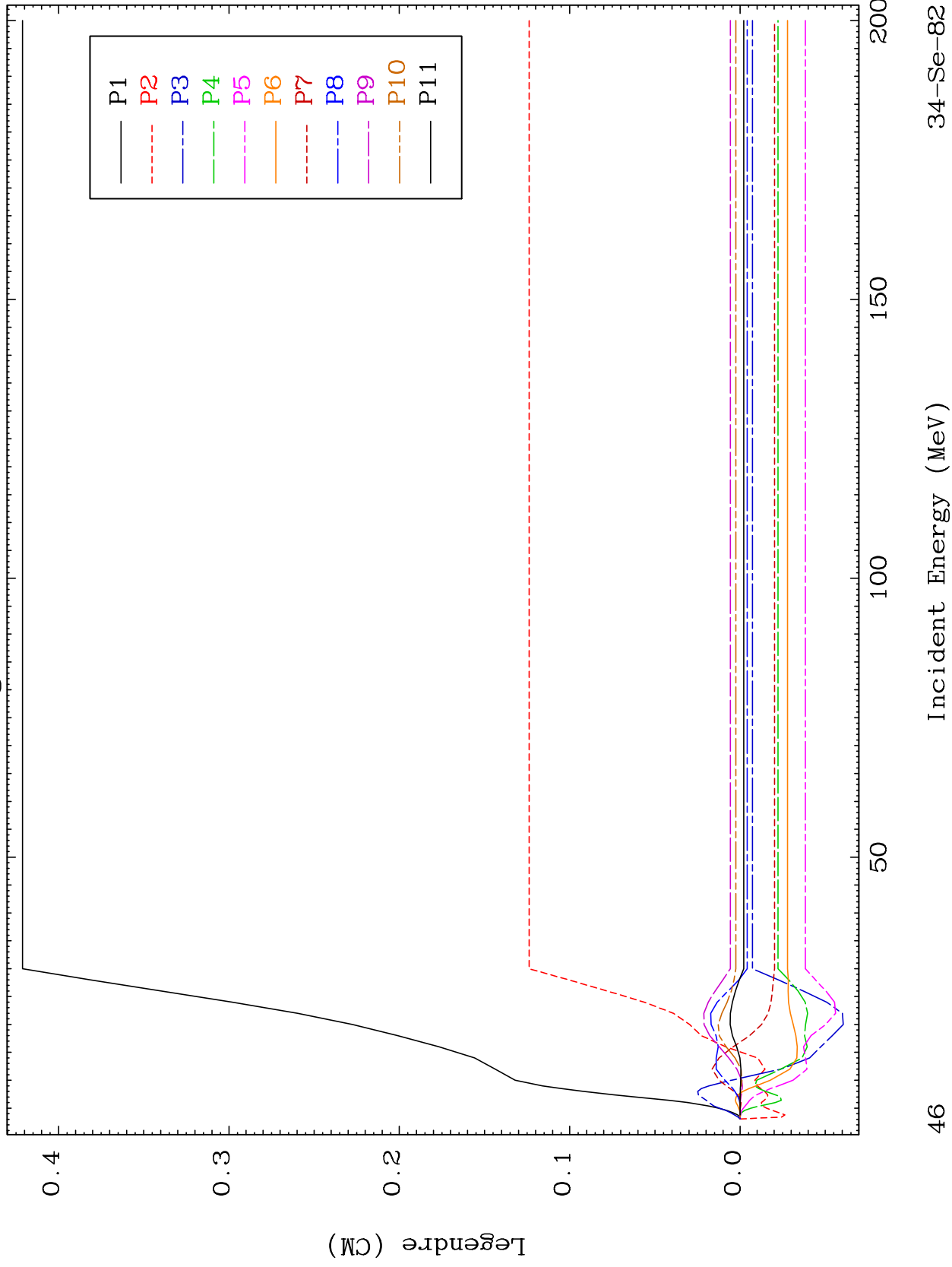
Incident Energy (MeV)

34-Se-82

MAT 3449

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

<sup>34</sup>Se-82



46

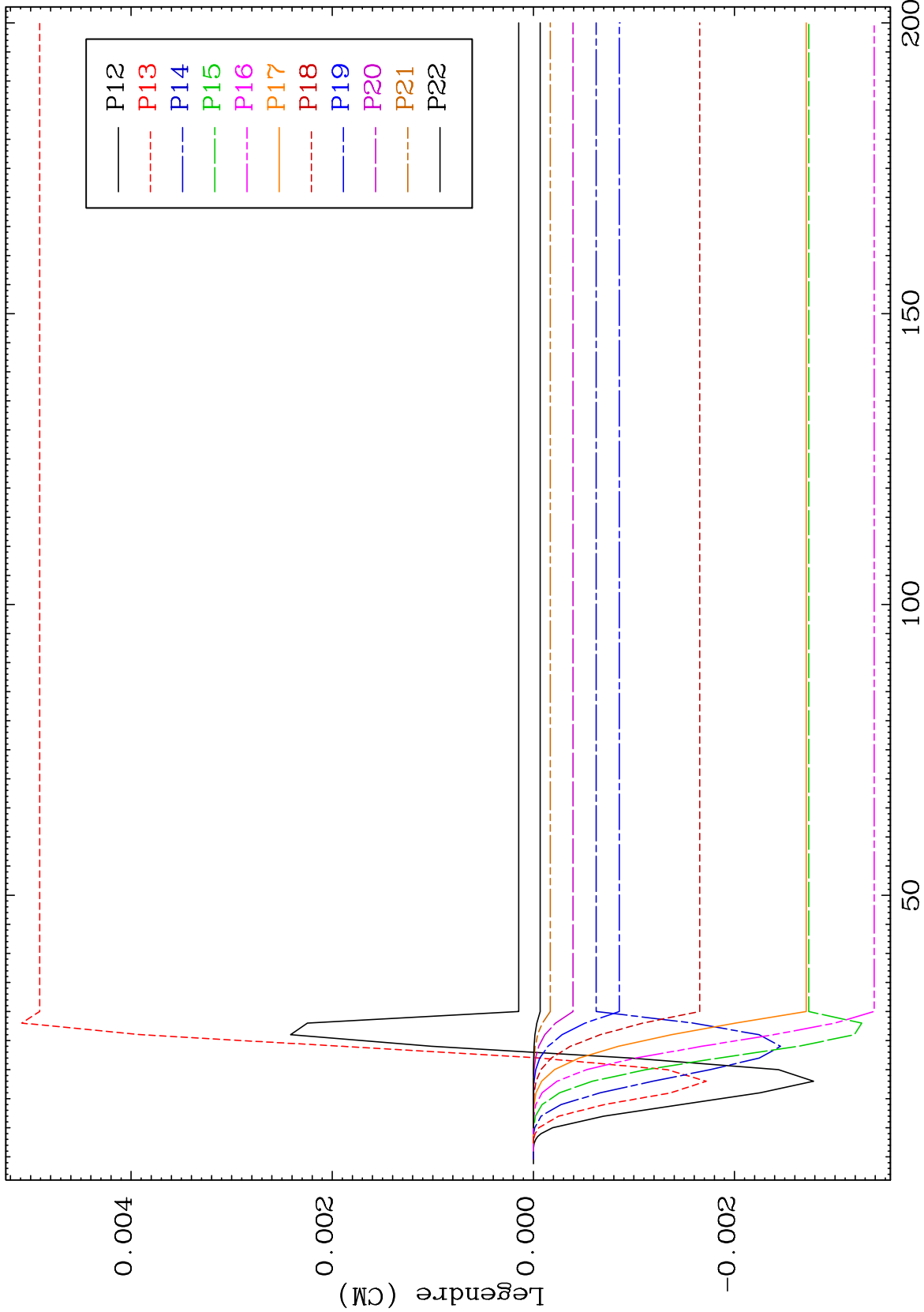
Incident Energy (MeV)

<sup>34</sup>Se-82

MAT 3449

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

34-Se-82



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Incident Energy (MeV)

34-Se-82

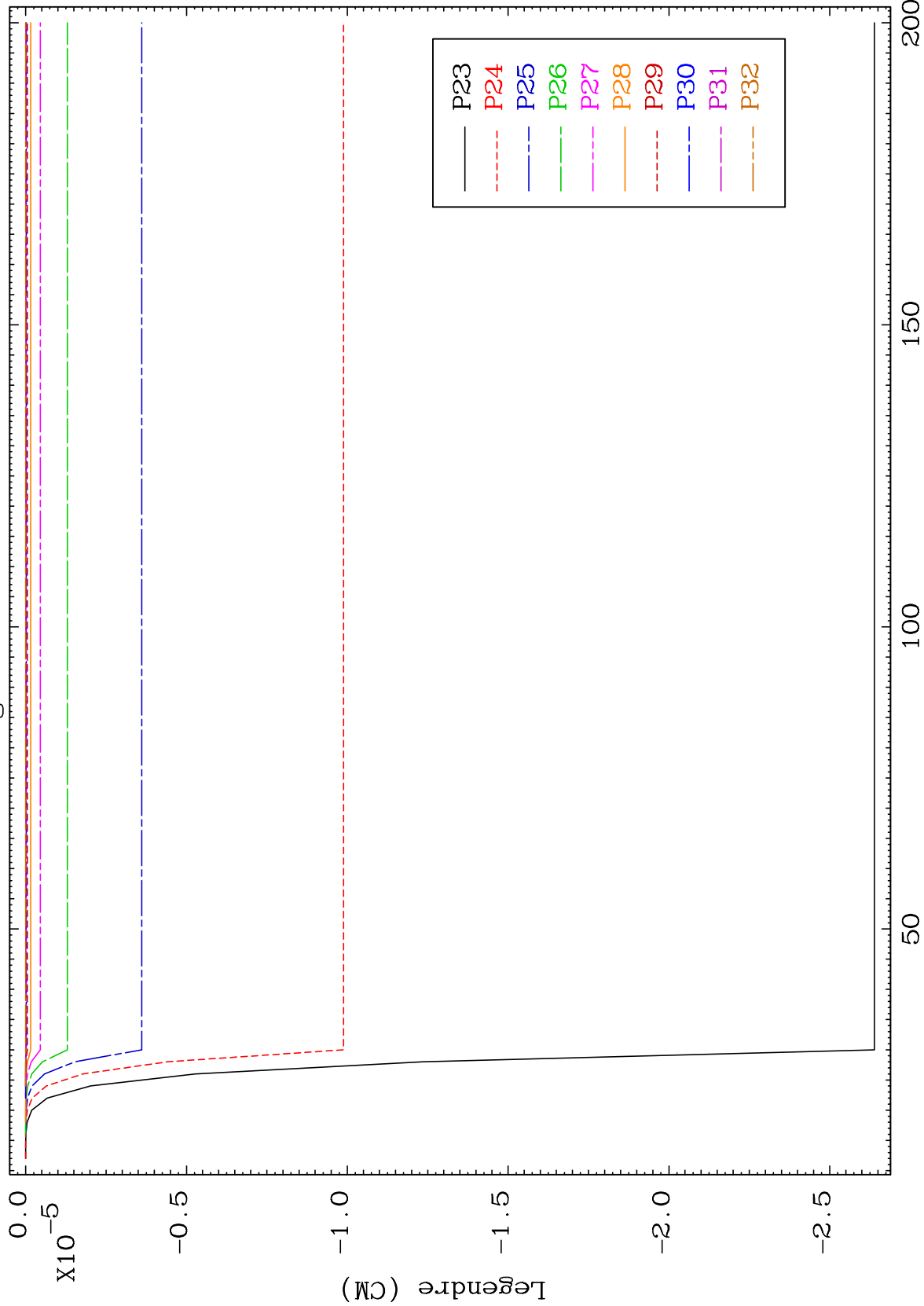


MAT 3449

MT= 58 (n,n') Level

34-Se-82

Legendre Coefficients



48

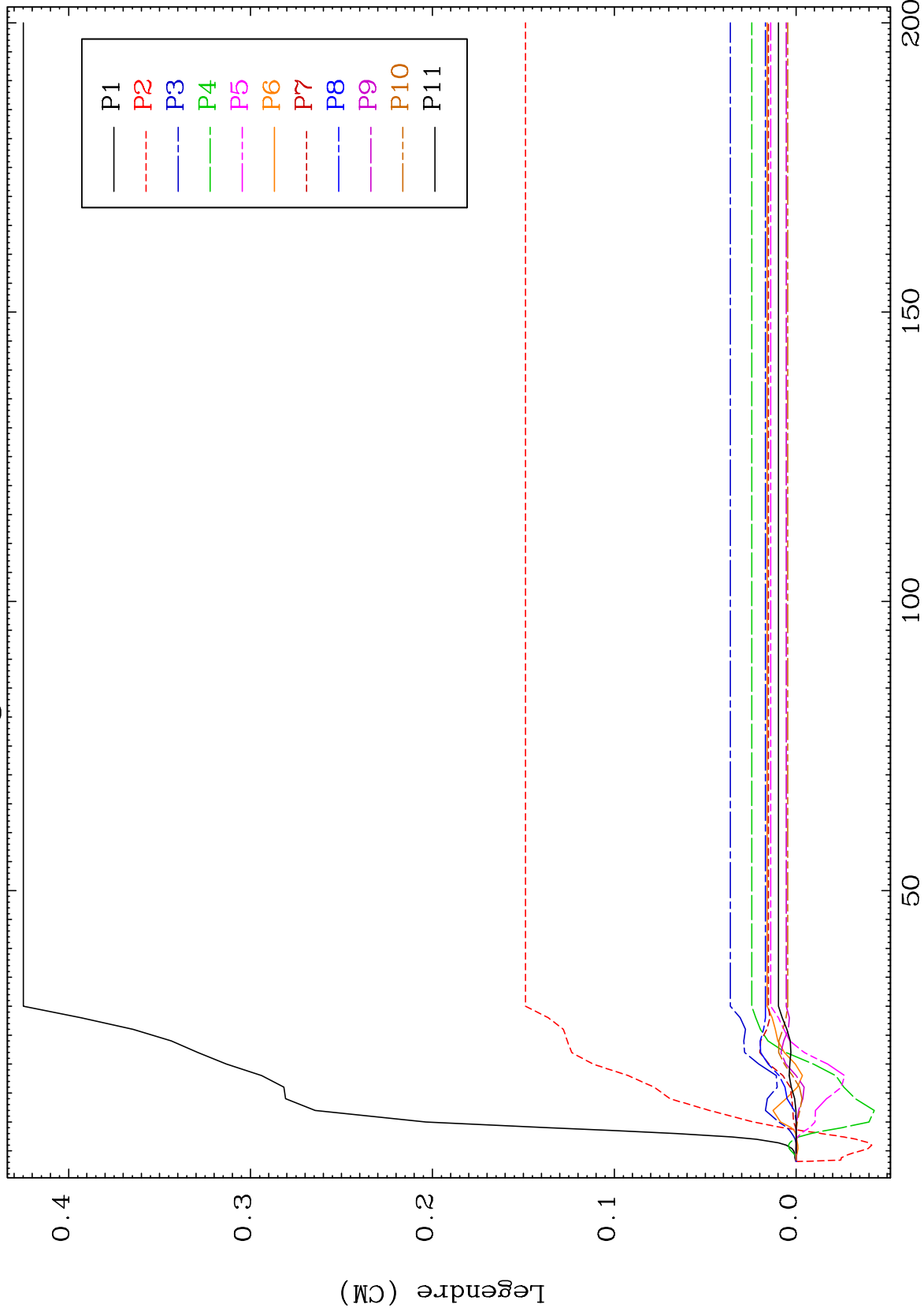
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



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Incident Energy (MeV)

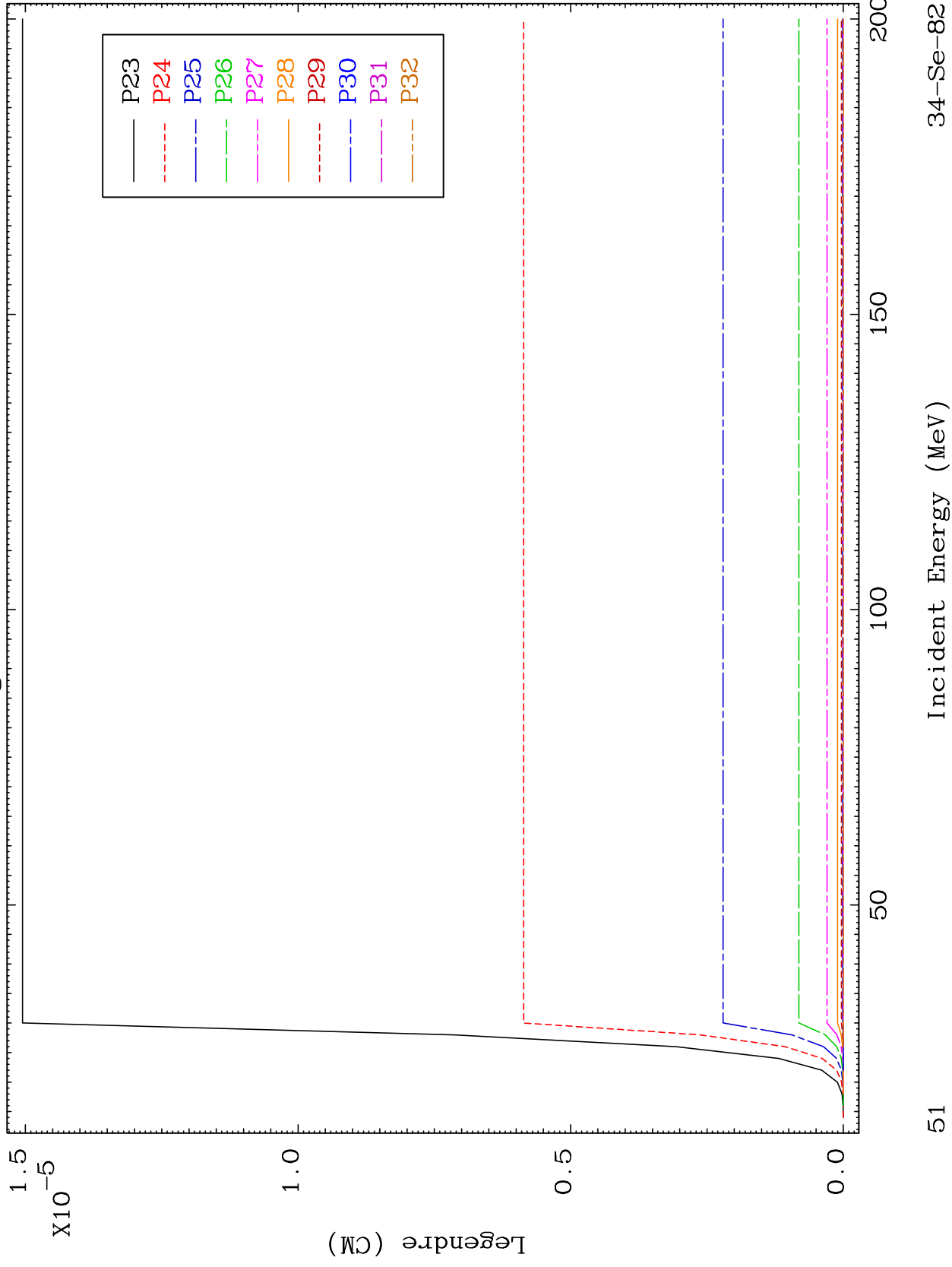
34-Se-82



MAT 3449

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

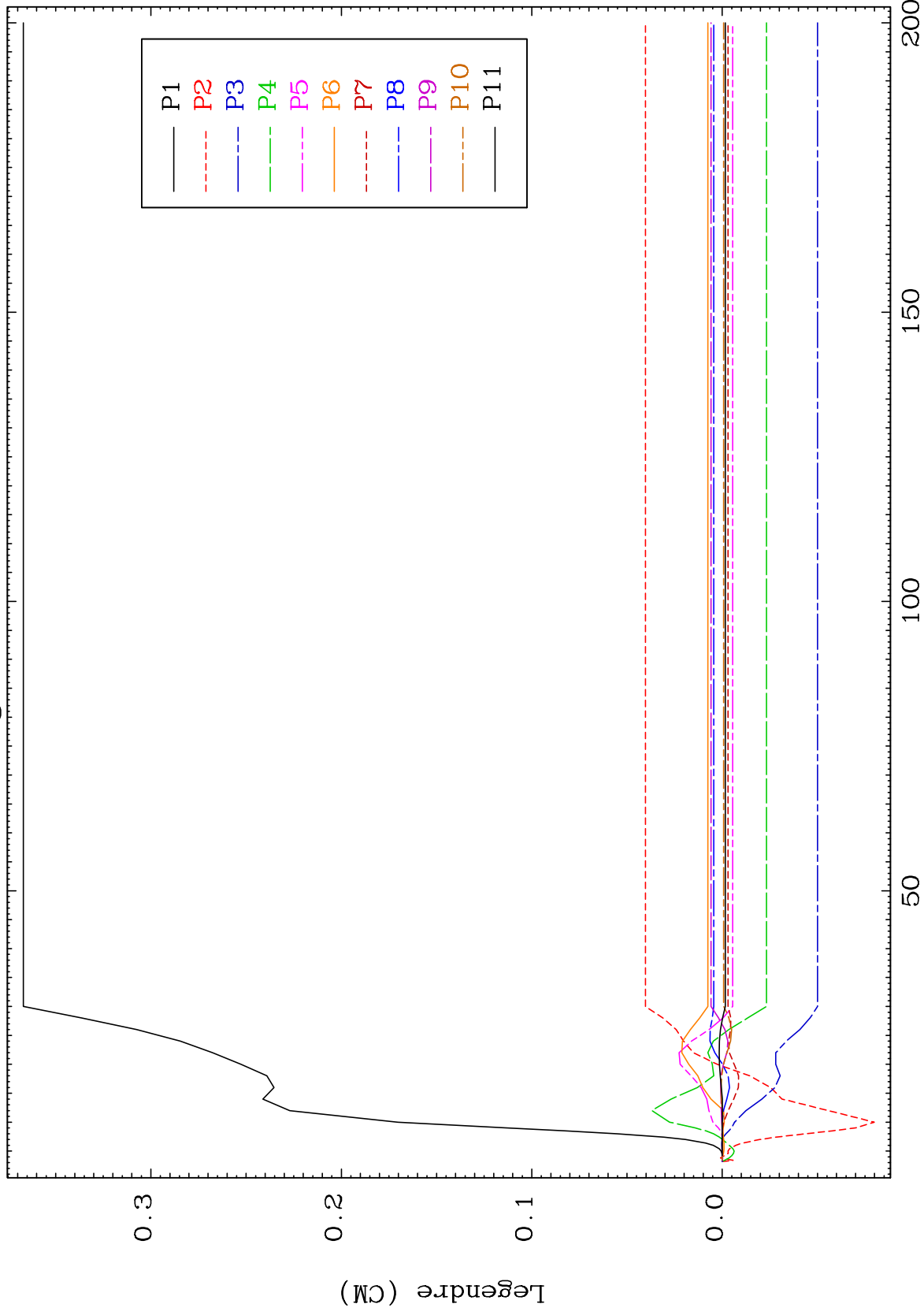
34-Se-82



MAT 3449

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

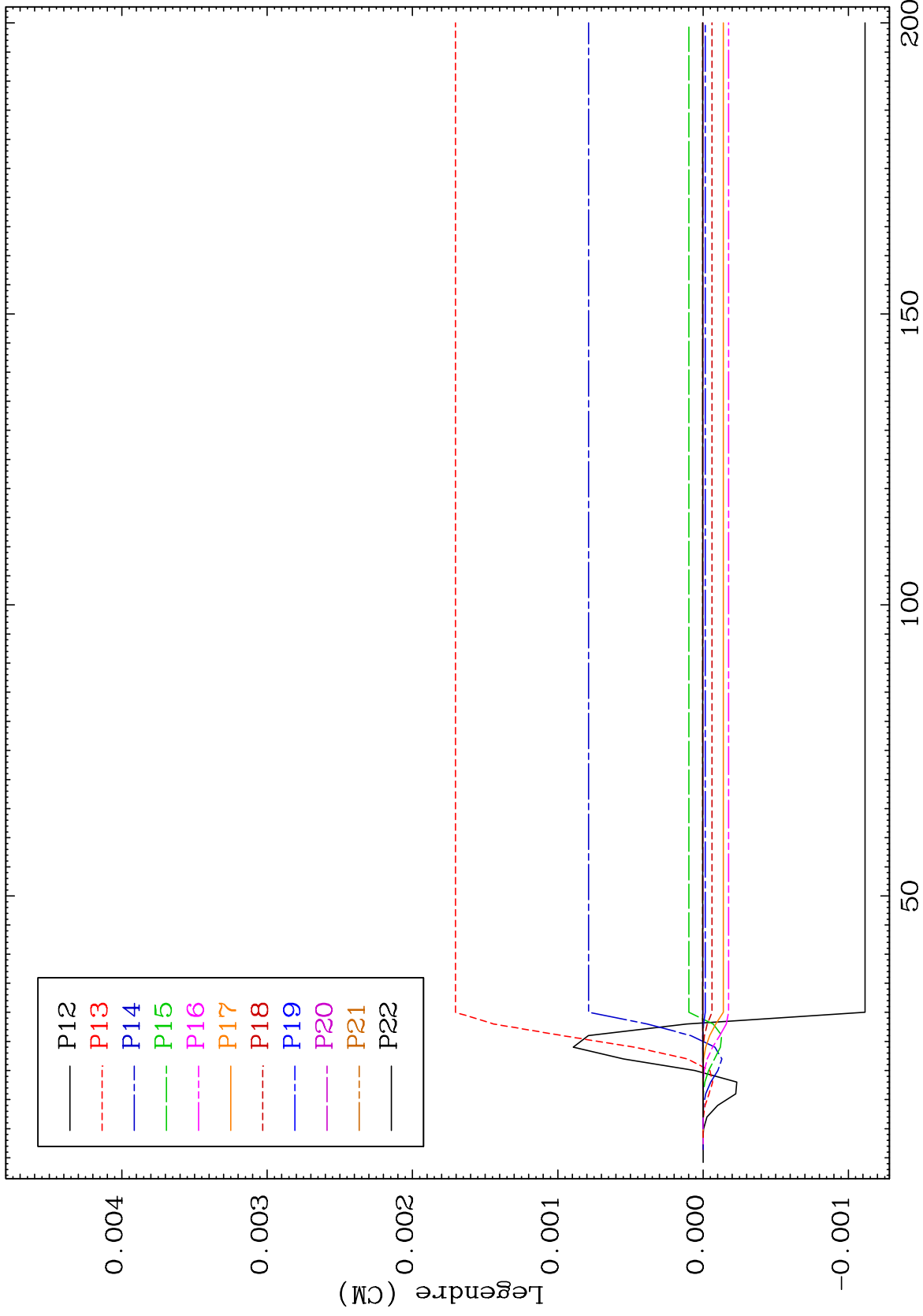
<sup>34</sup>Se-82



52

Incident Energy (MeV)

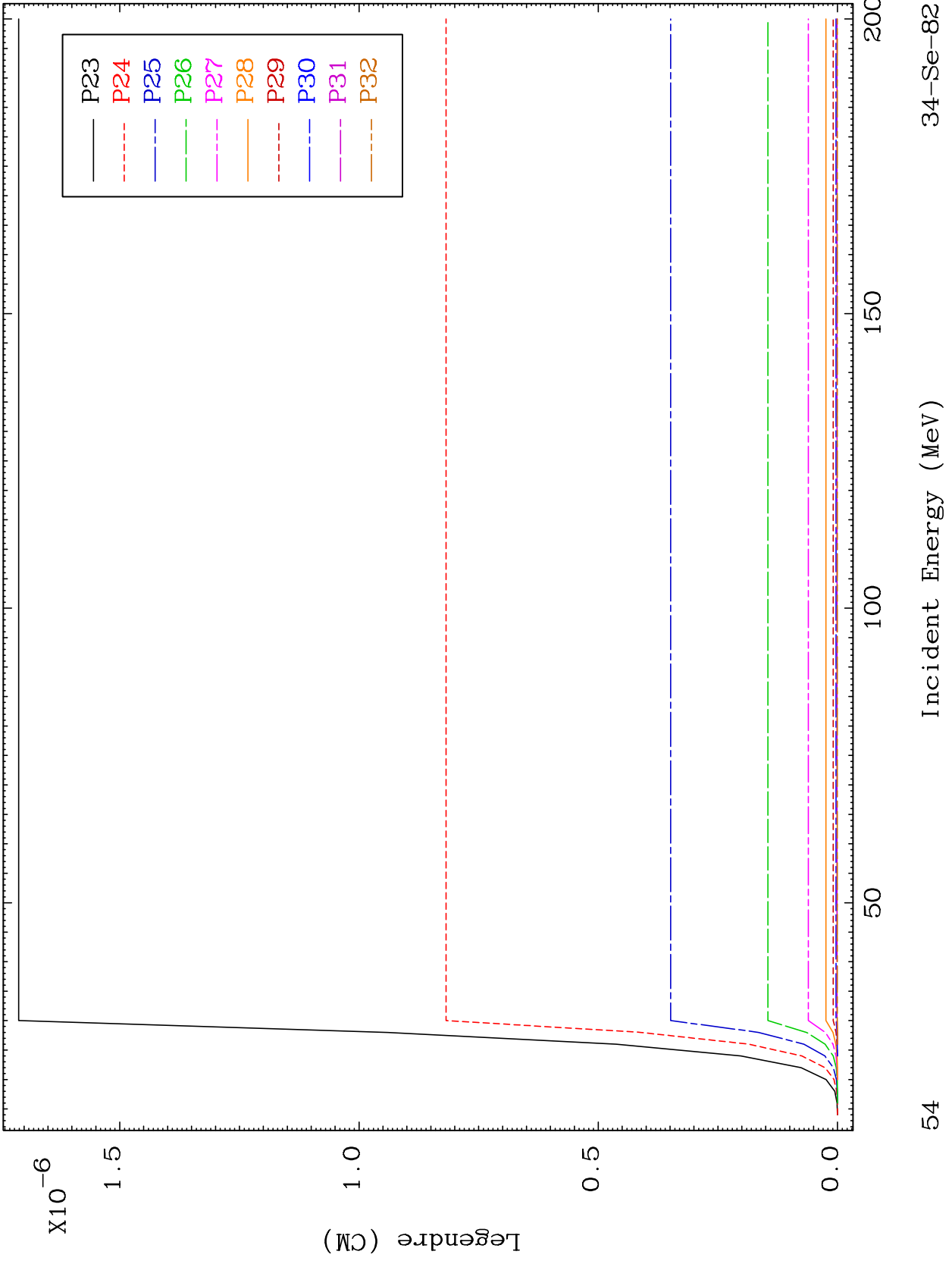
<sup>34</sup>Se-82



MAT 3449

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

<sup>34</sup>Se-82



54

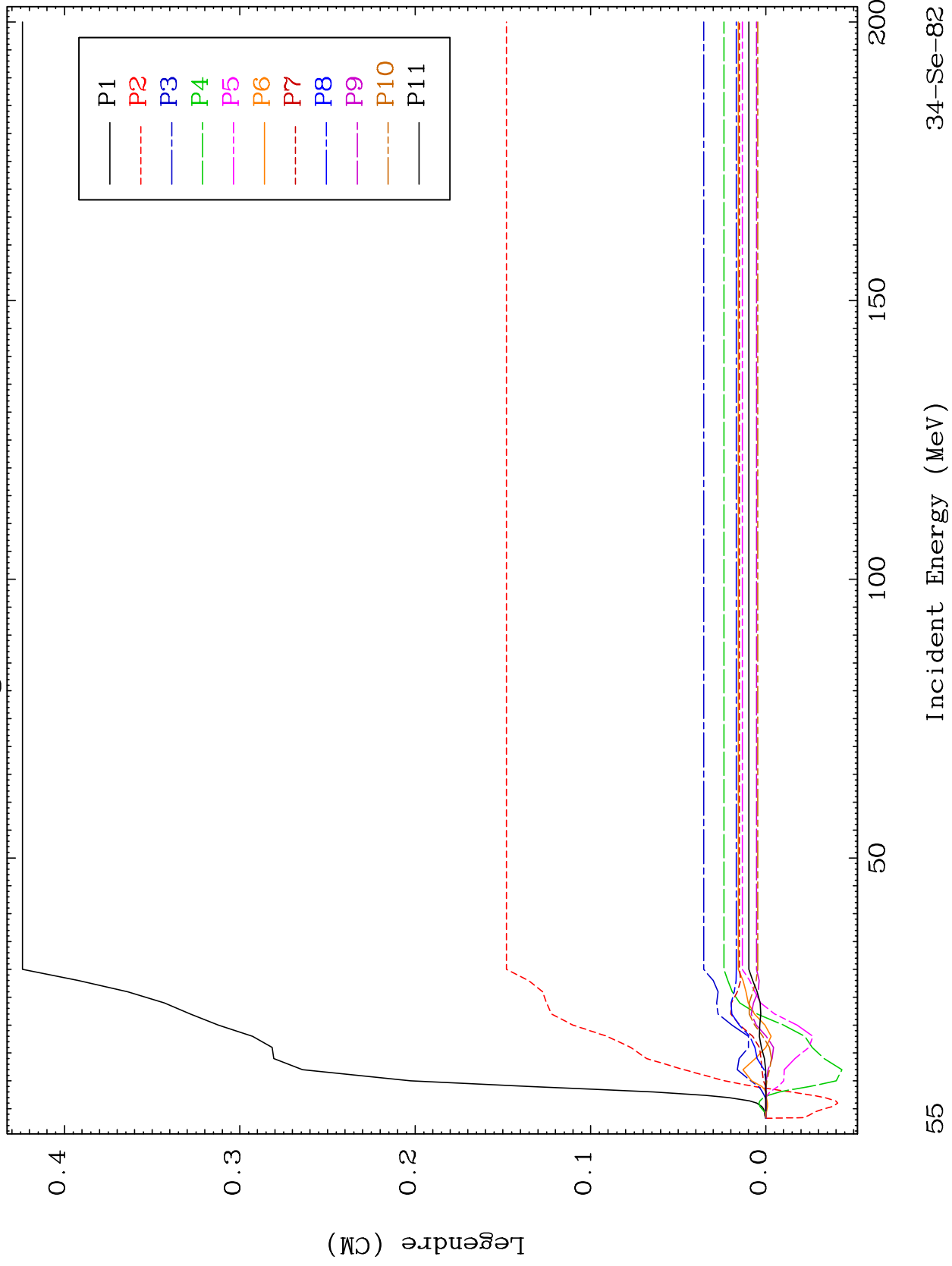
Incident Energy (MeV)

<sup>34</sup>Se-82

MAT 3449

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

<sup>34</sup>Se-82

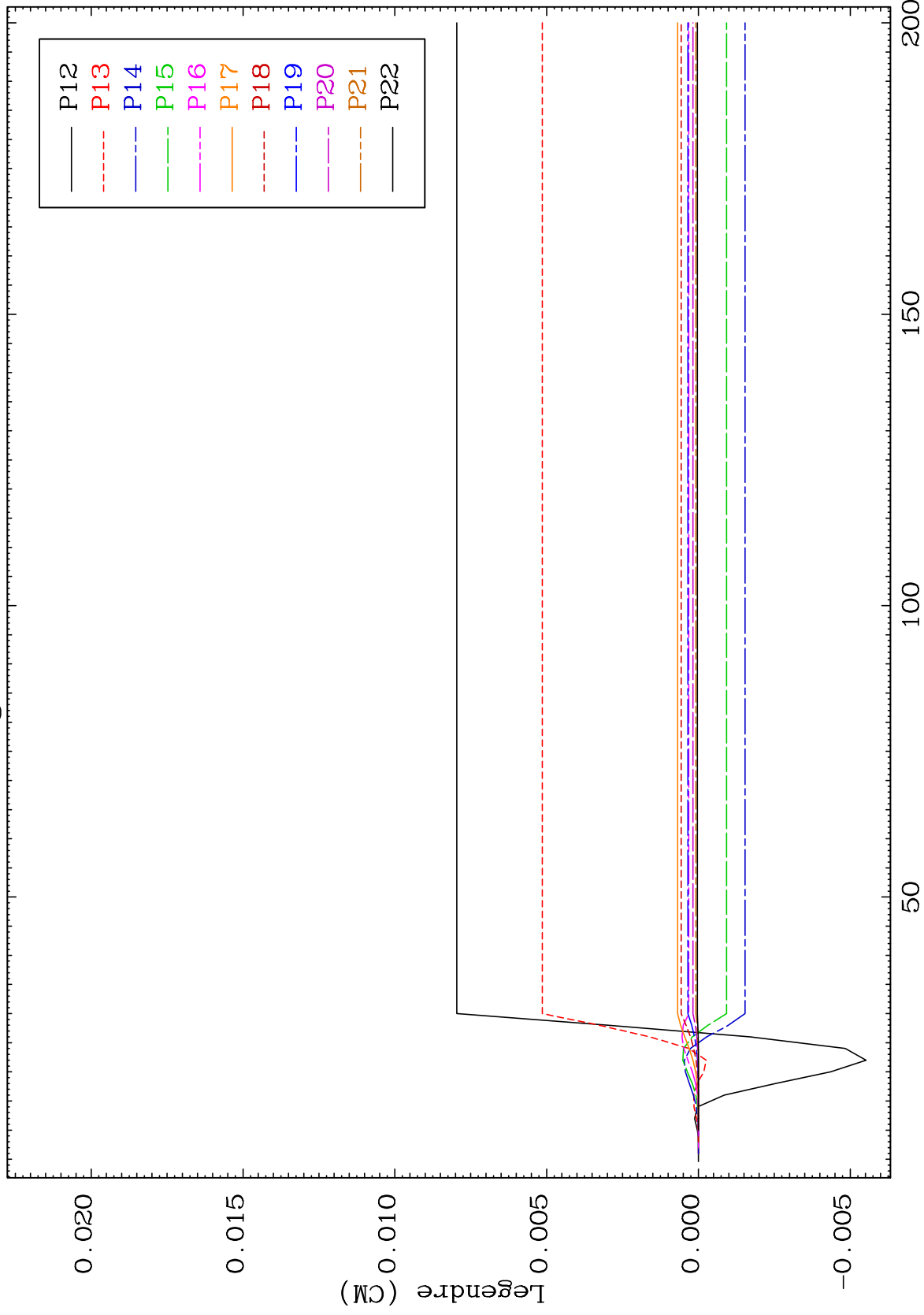




MAT 3449

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

34-Se-82



56

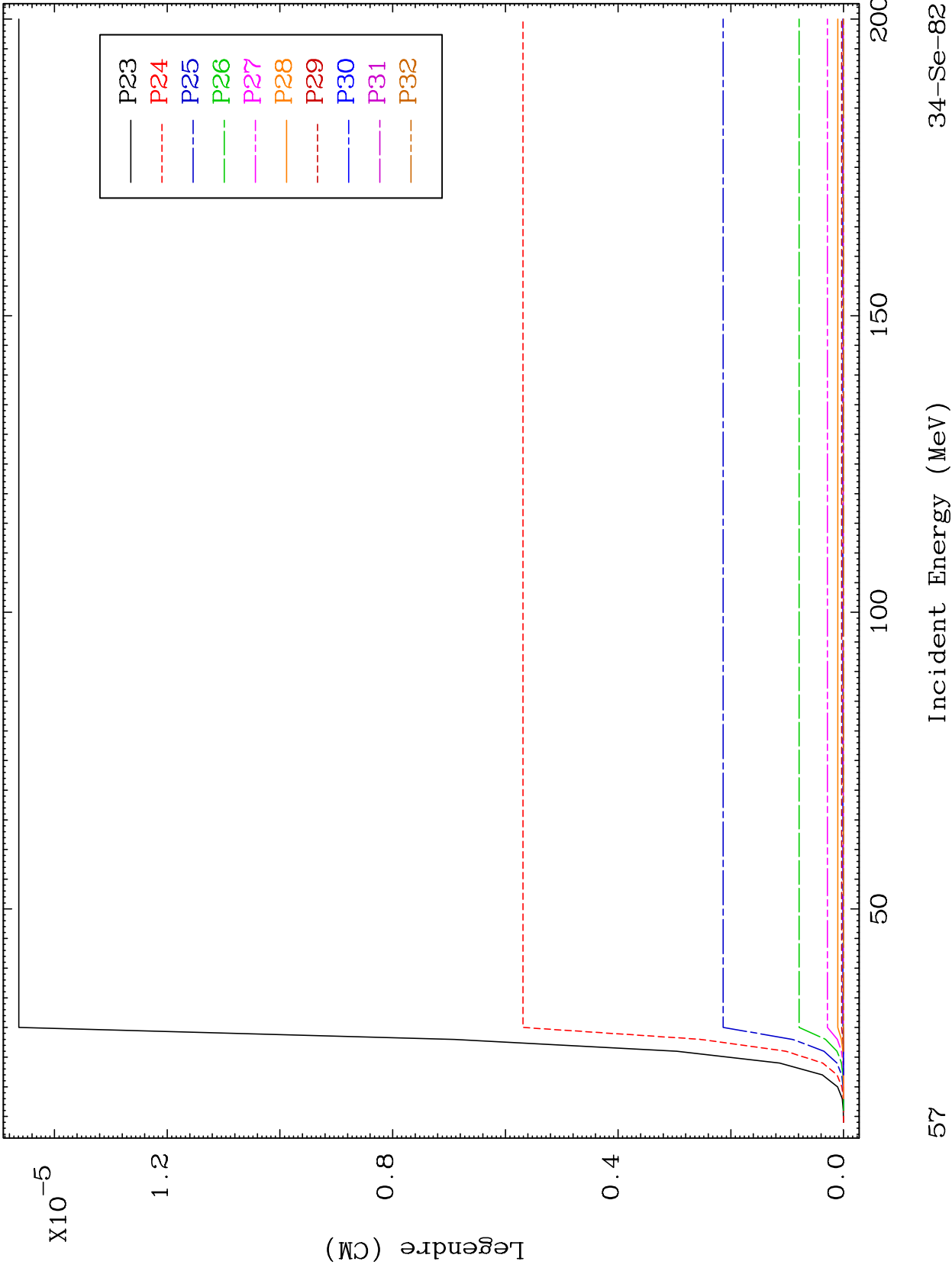
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



57

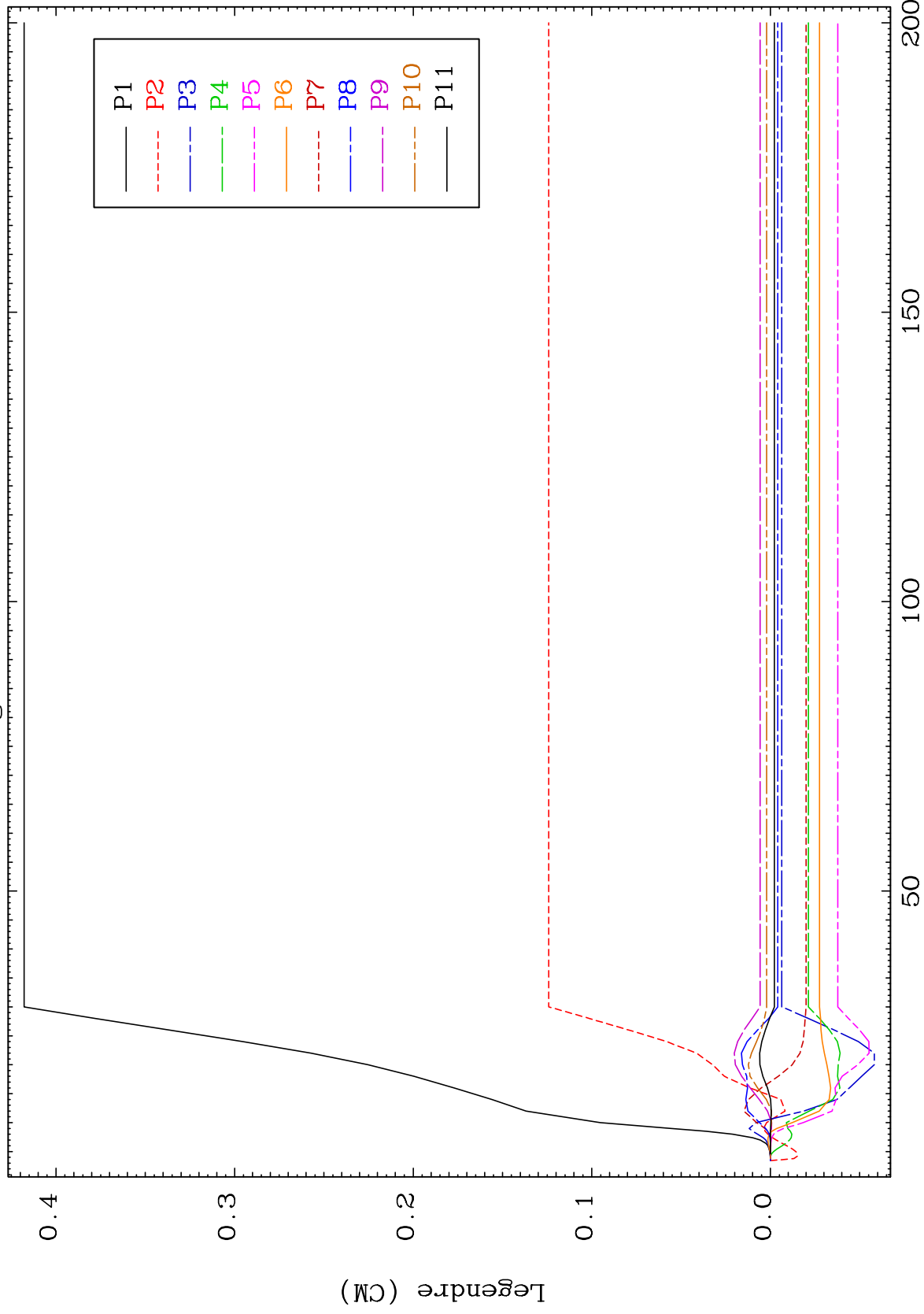
Incident Energy (MeV)

34-Se-82

MAT 3449

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

<sup>34</sup>Se-82



58

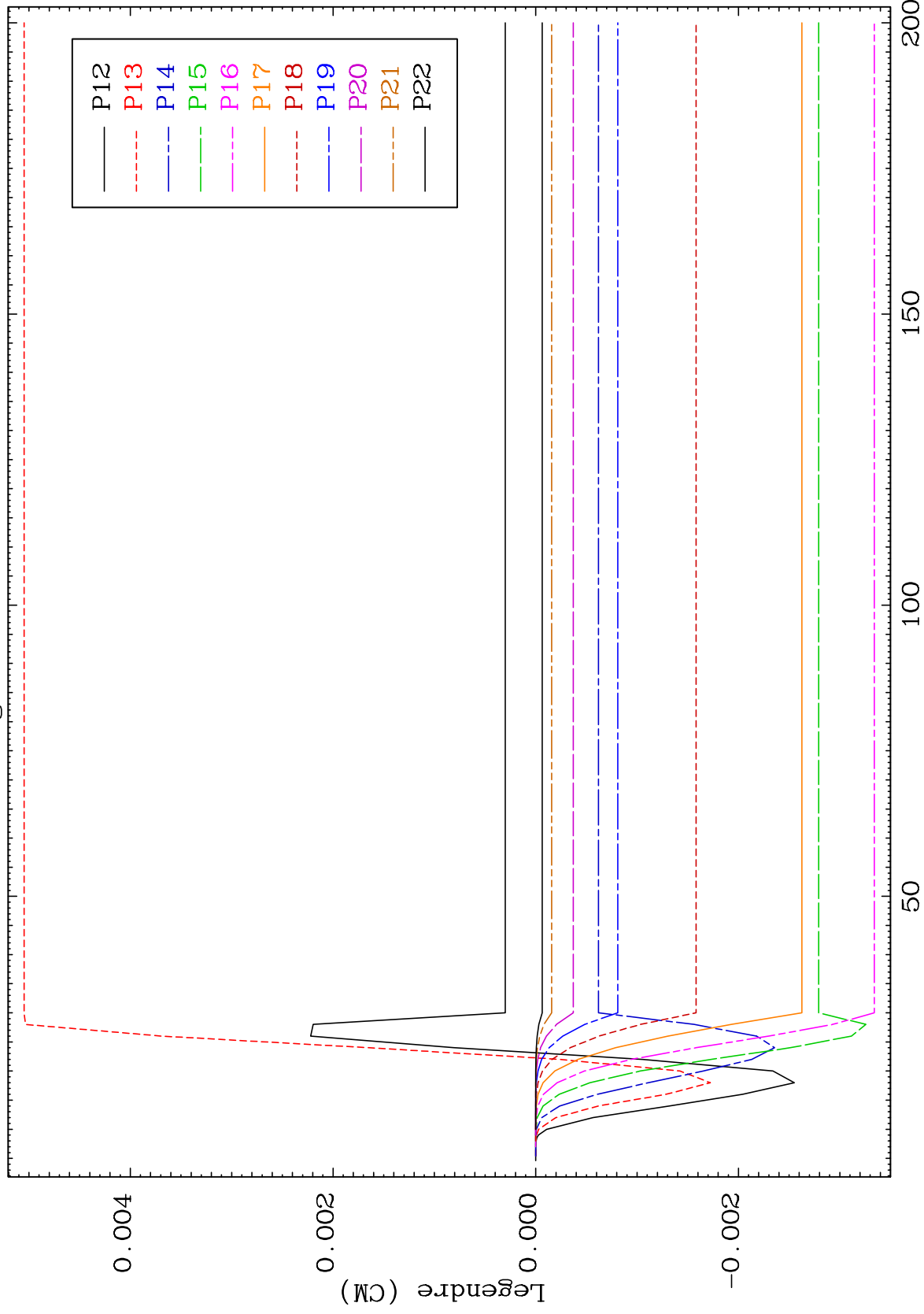
Incident Energy (MeV)

<sup>34</sup>Se-82

MAT 3449

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

34-Se-82



59

Incident Energy (MeV)

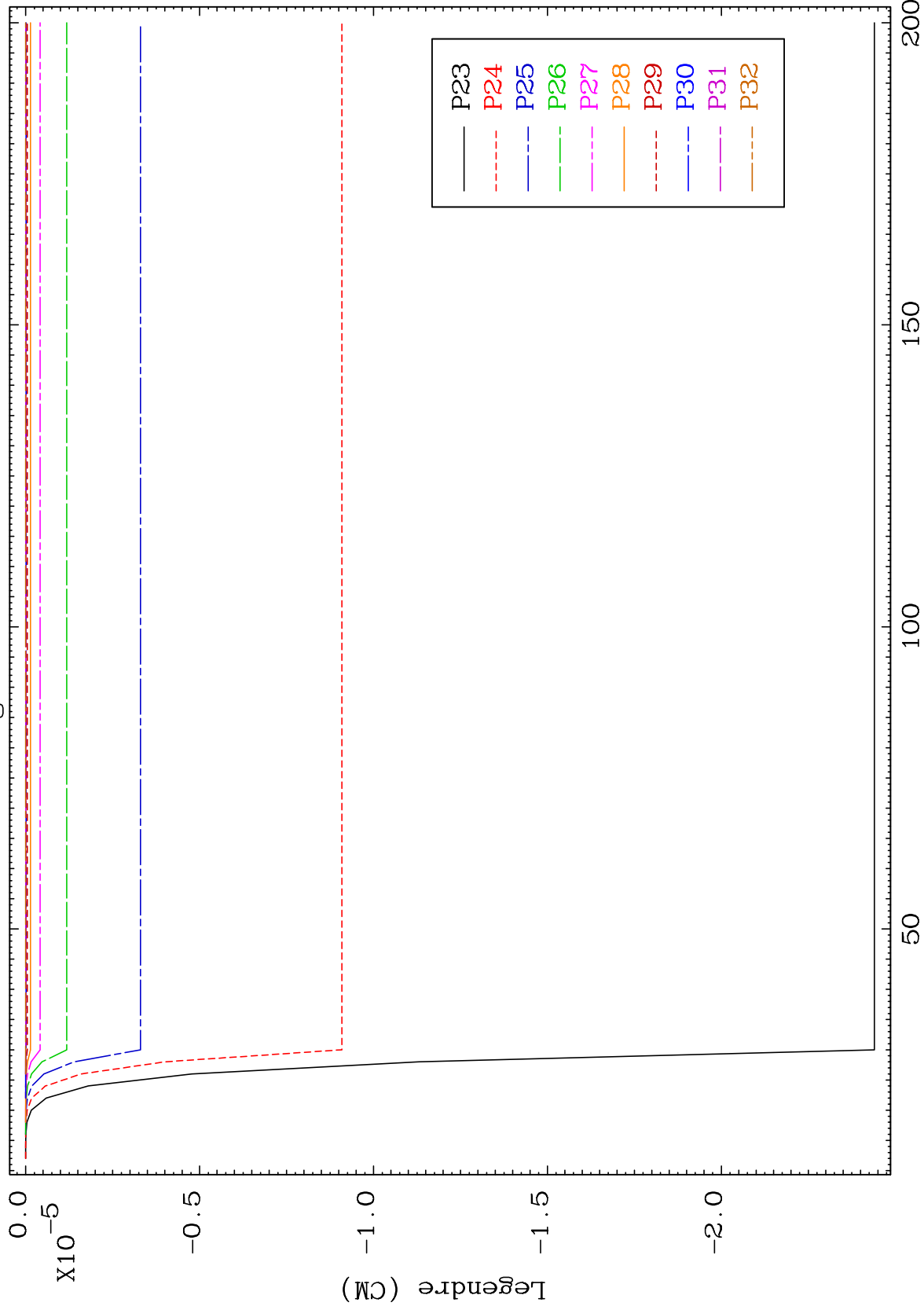
34-Se-82

MAT 3449

MT= 62 (n,n') Level

34-Se-82

Legendre Coefficients



60

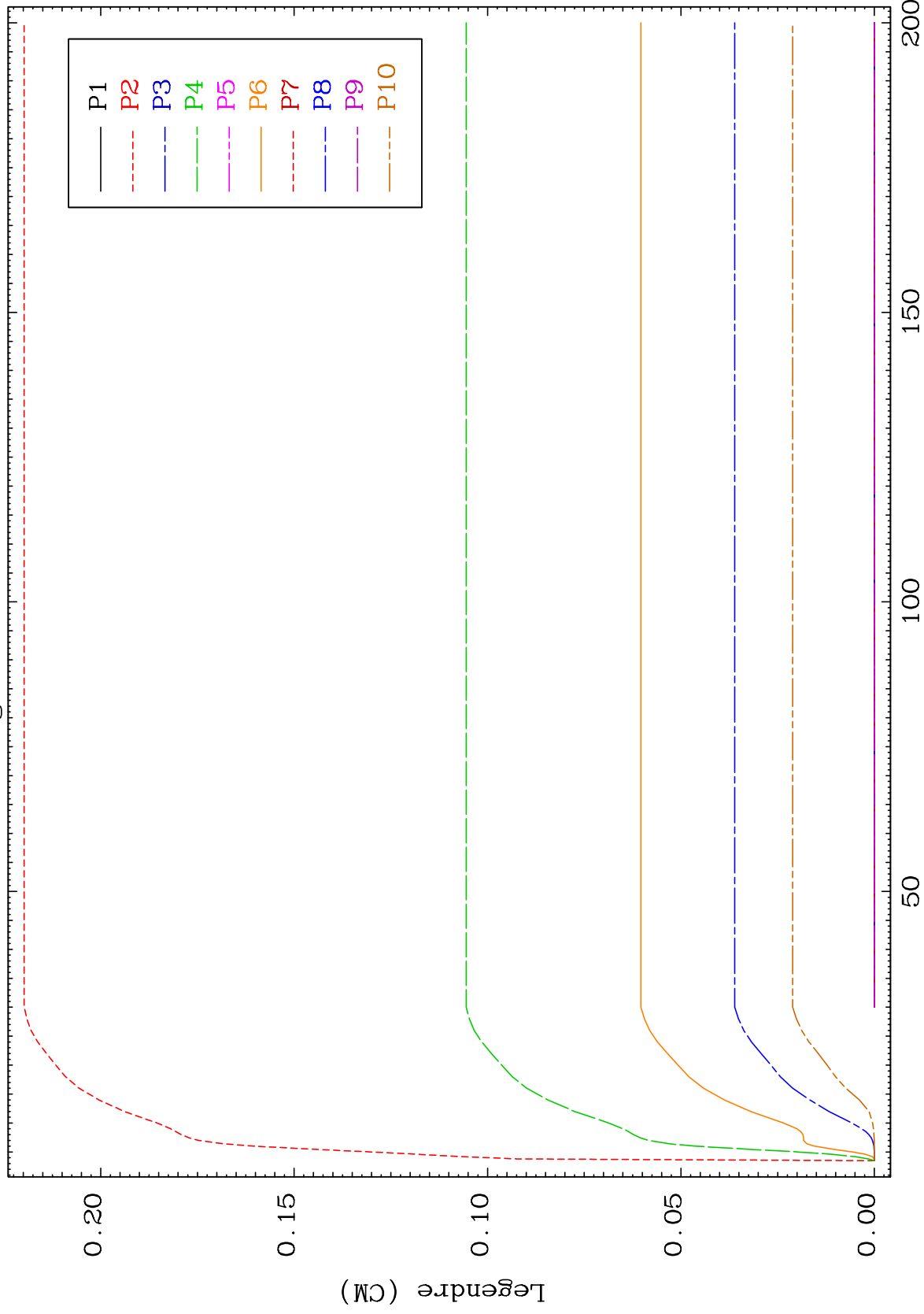
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



61

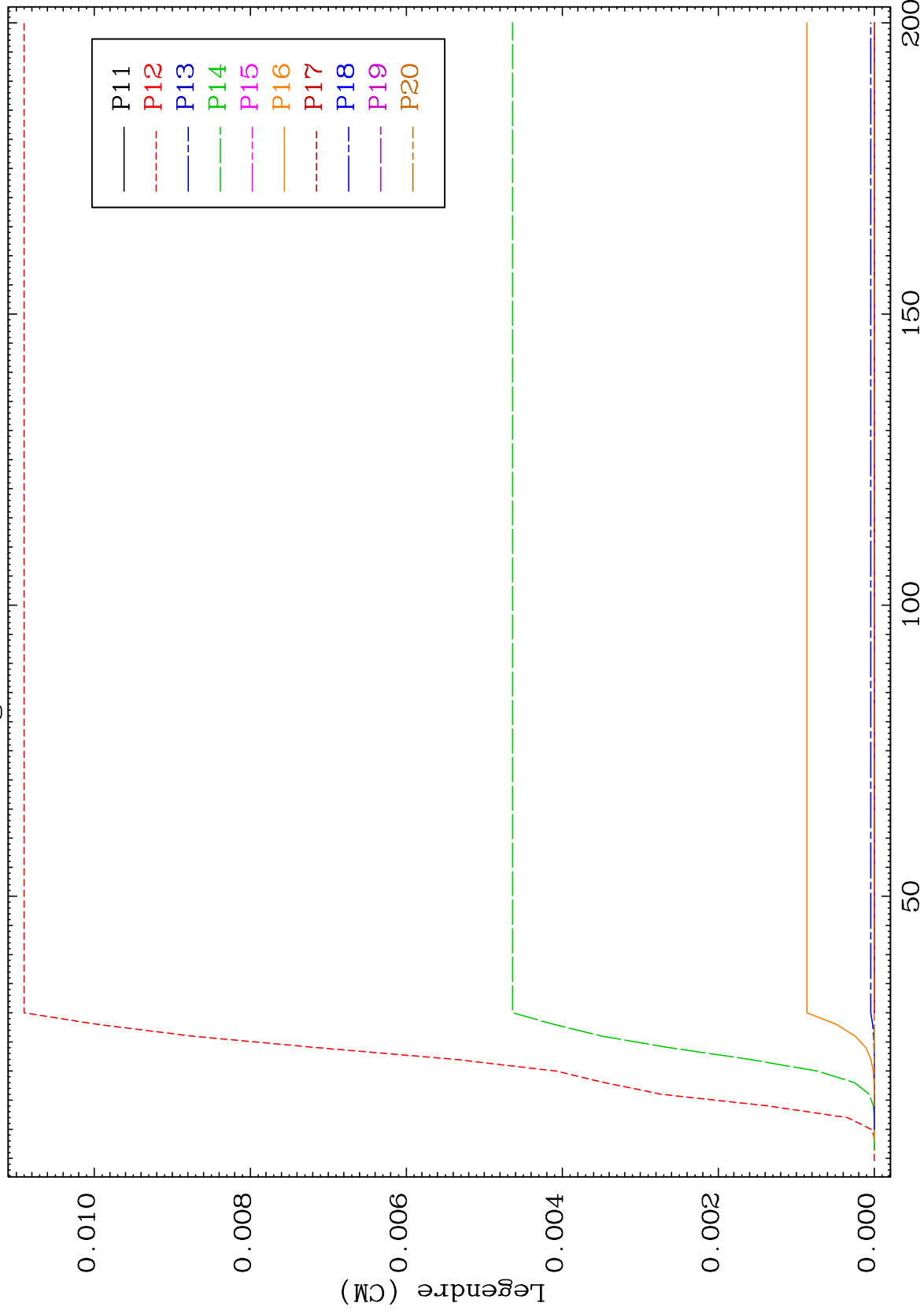
Incident Energy (MeV)

34-Se-82

MAT 3449

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

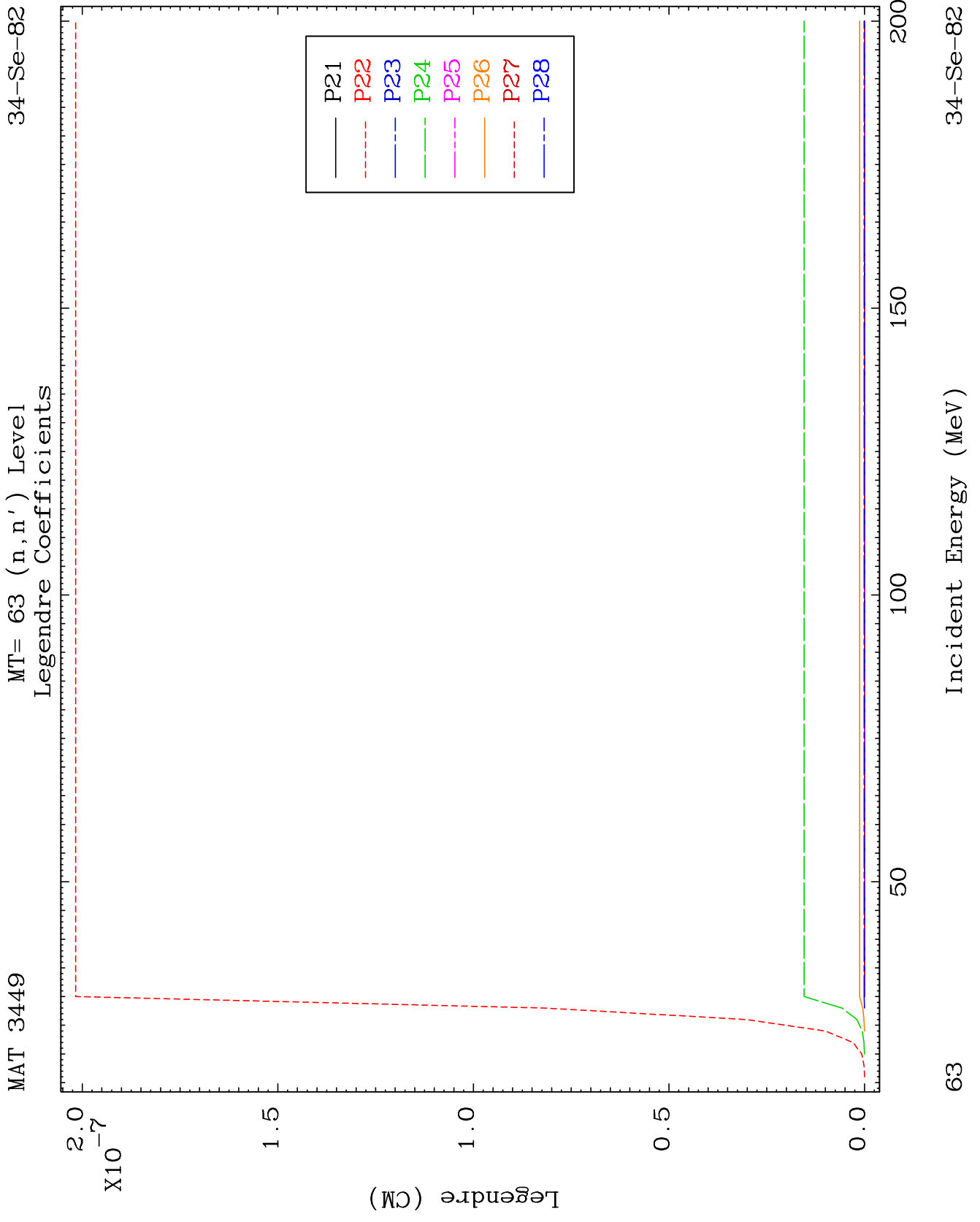
34-Se-82



62

Incident Energy (MeV)

34-Se-82

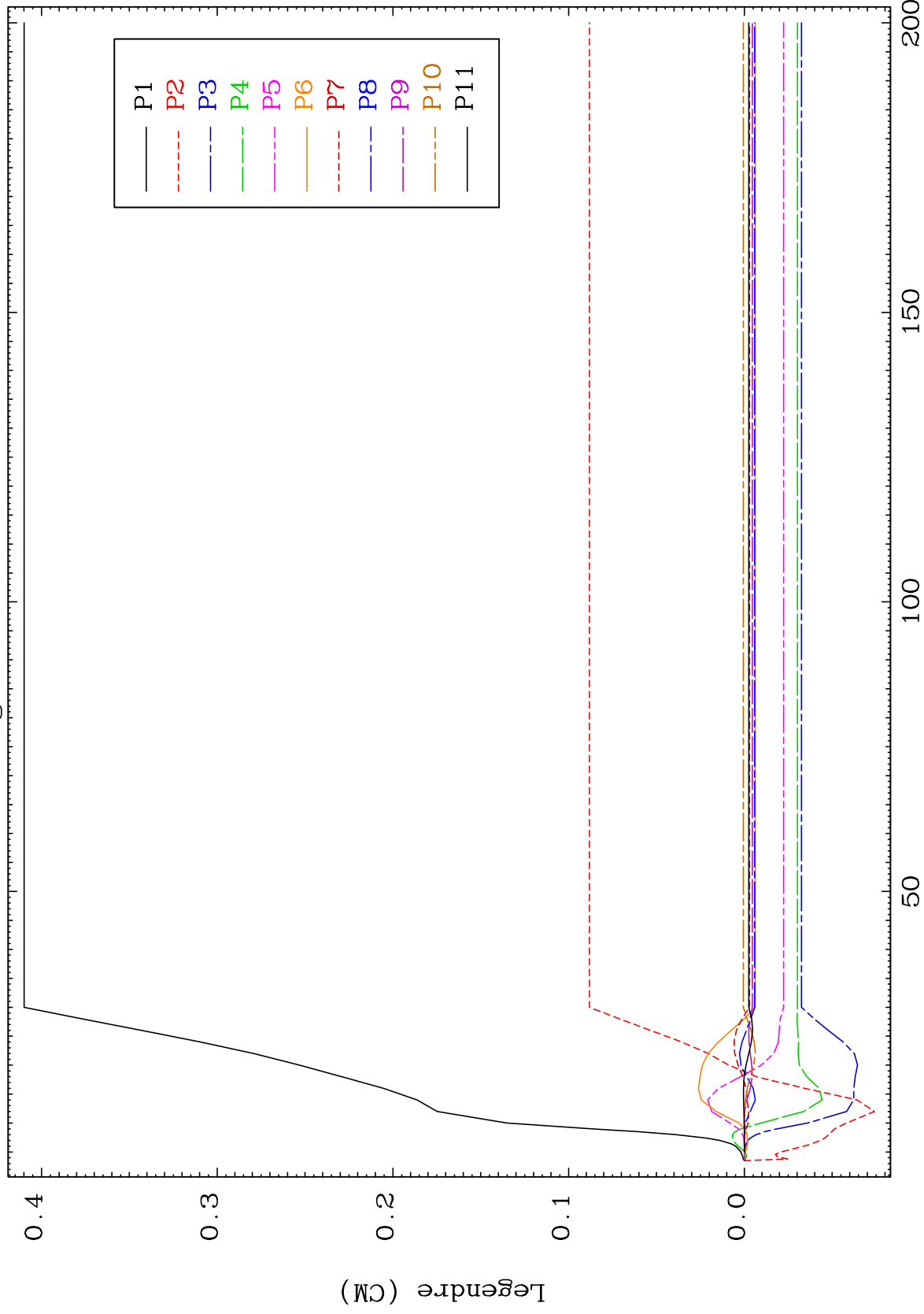




MAT 3449

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

34-Se-82



64

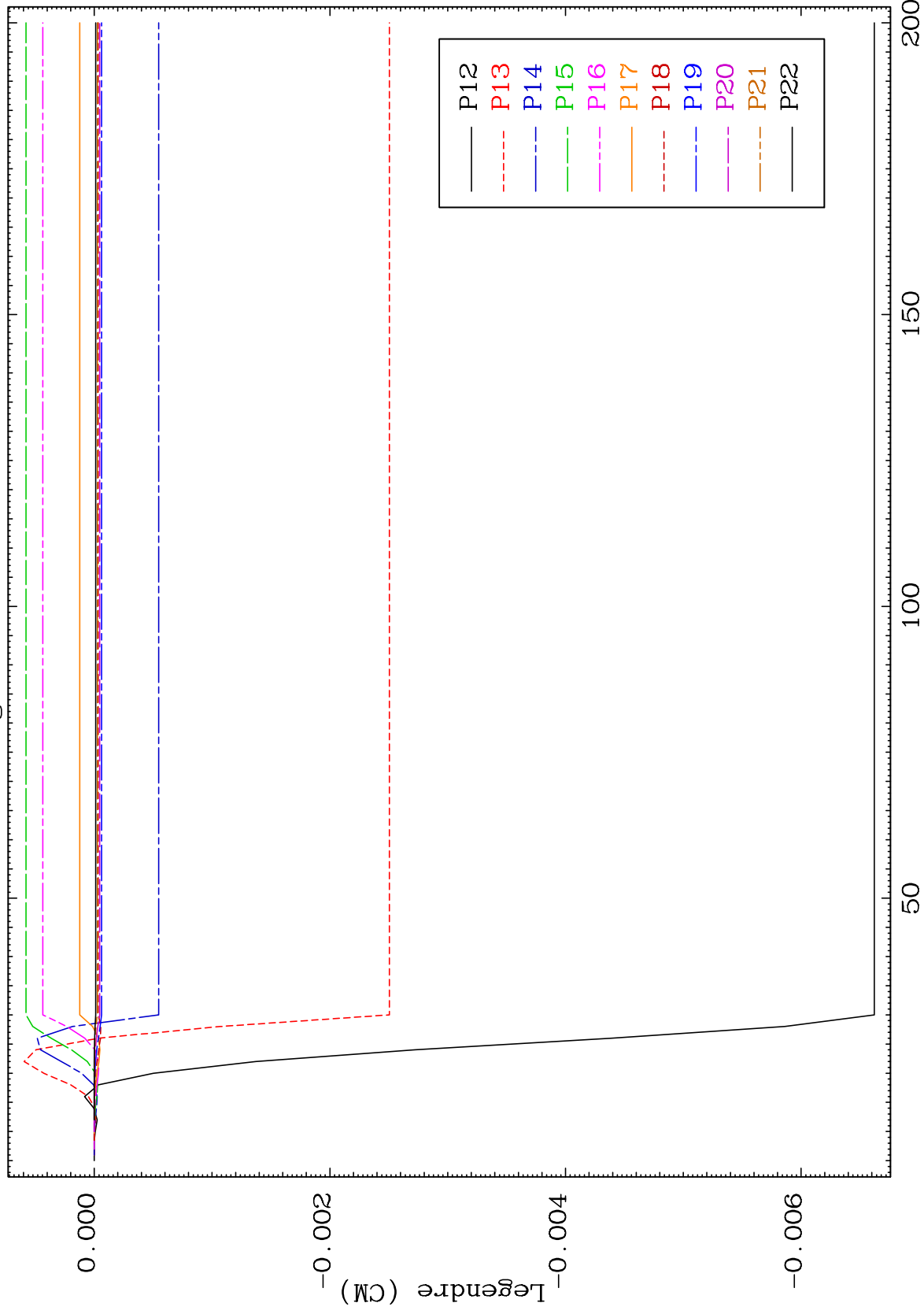
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



65

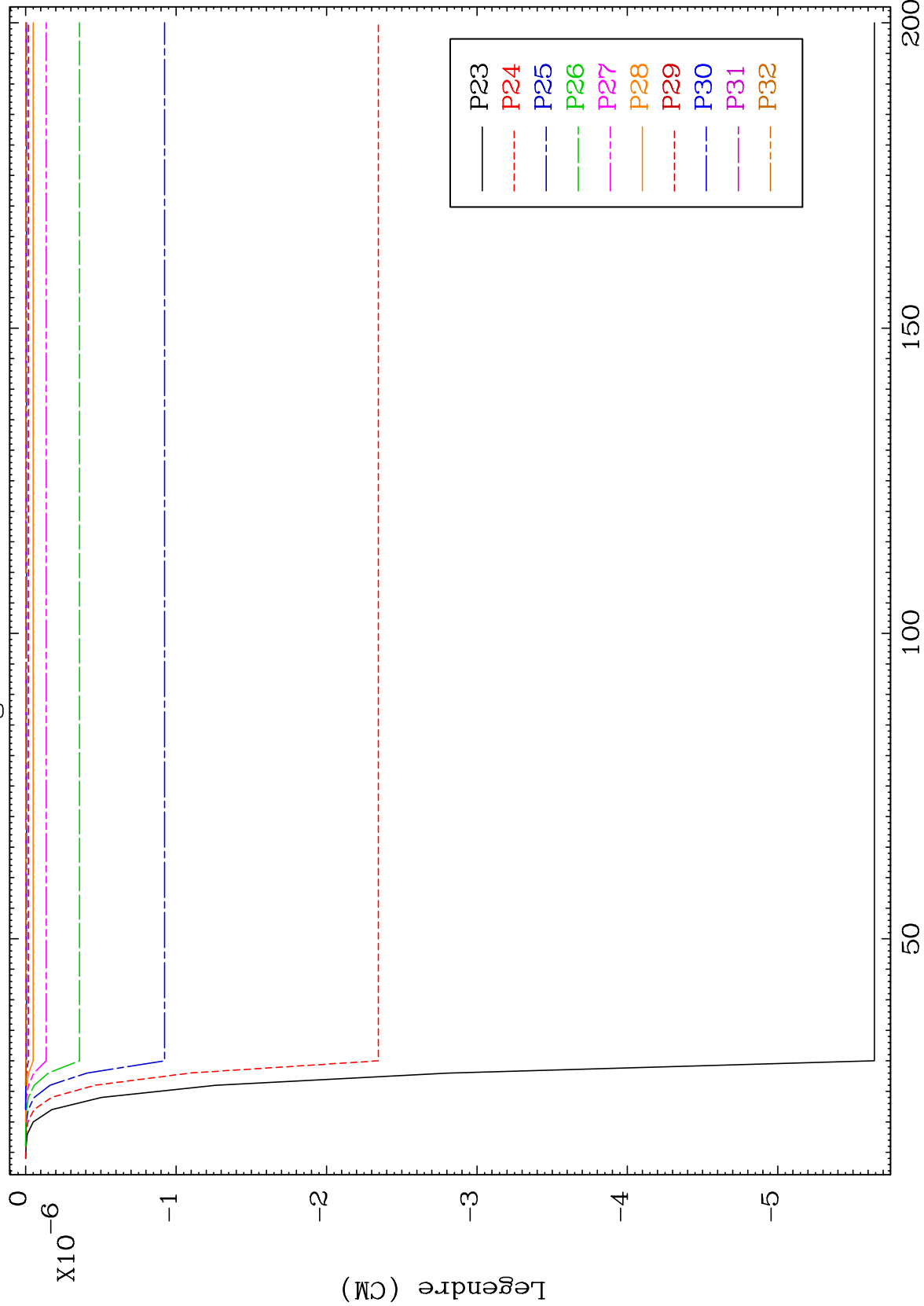
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



66

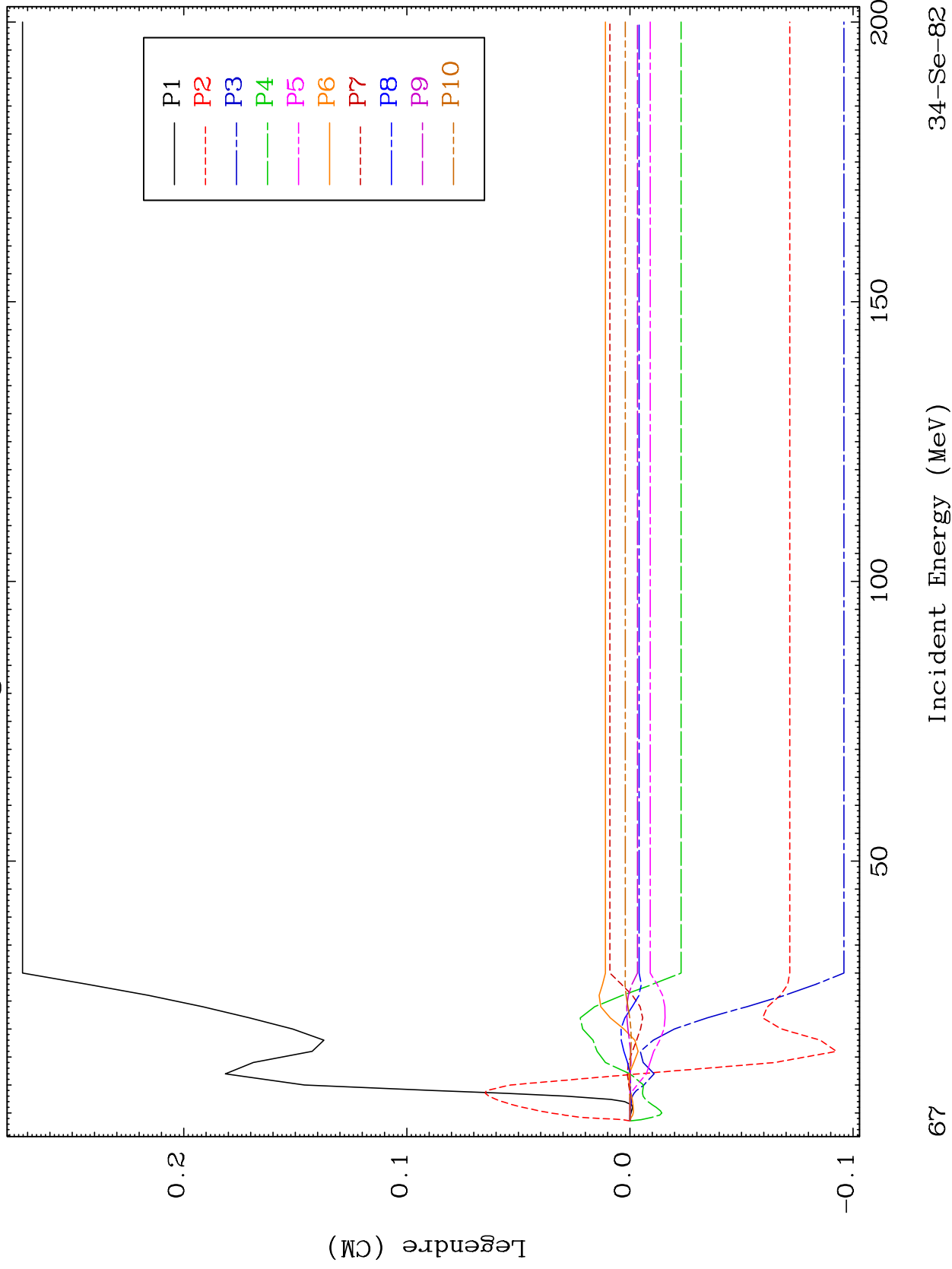
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



67

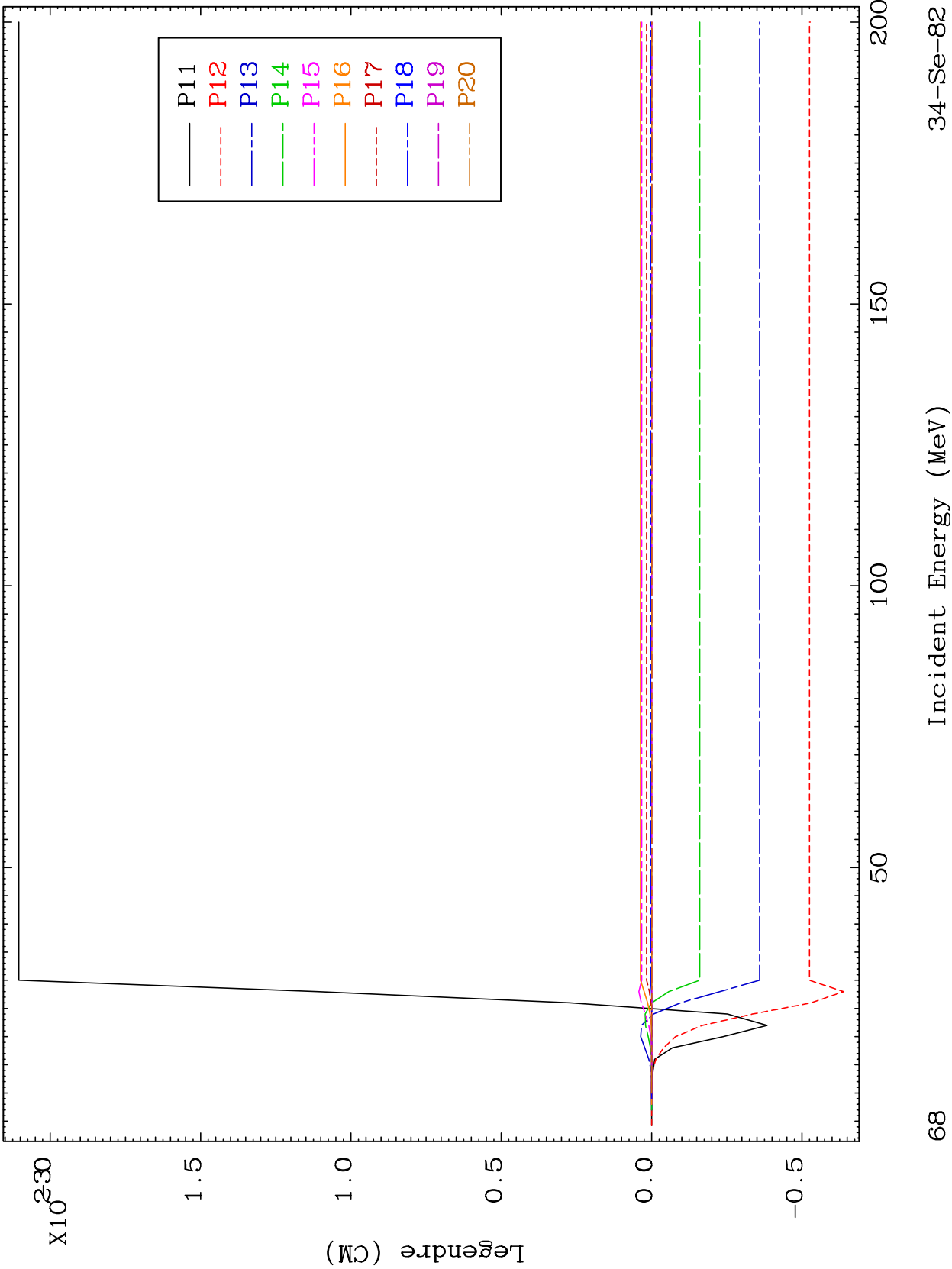
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



68

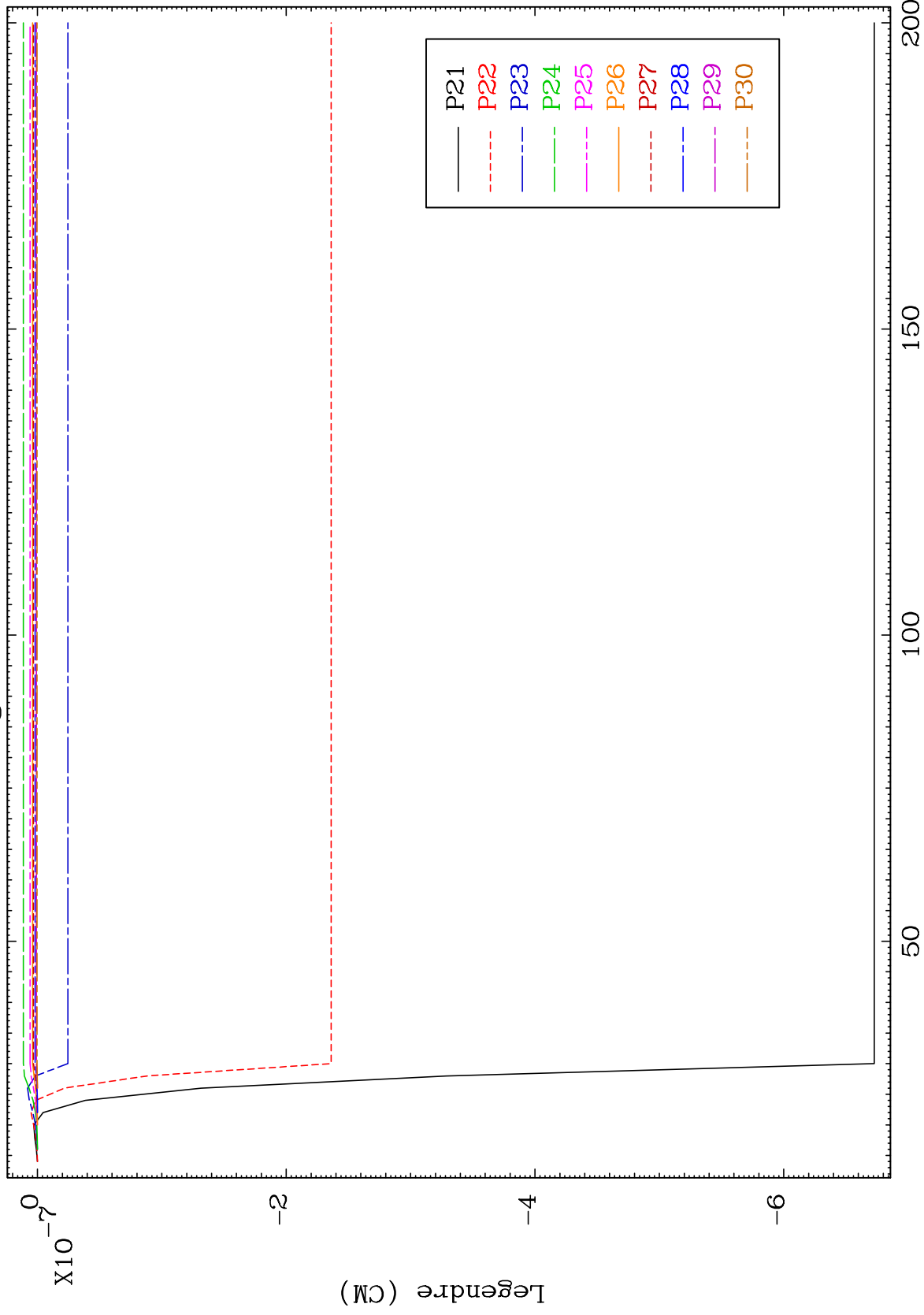
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



69

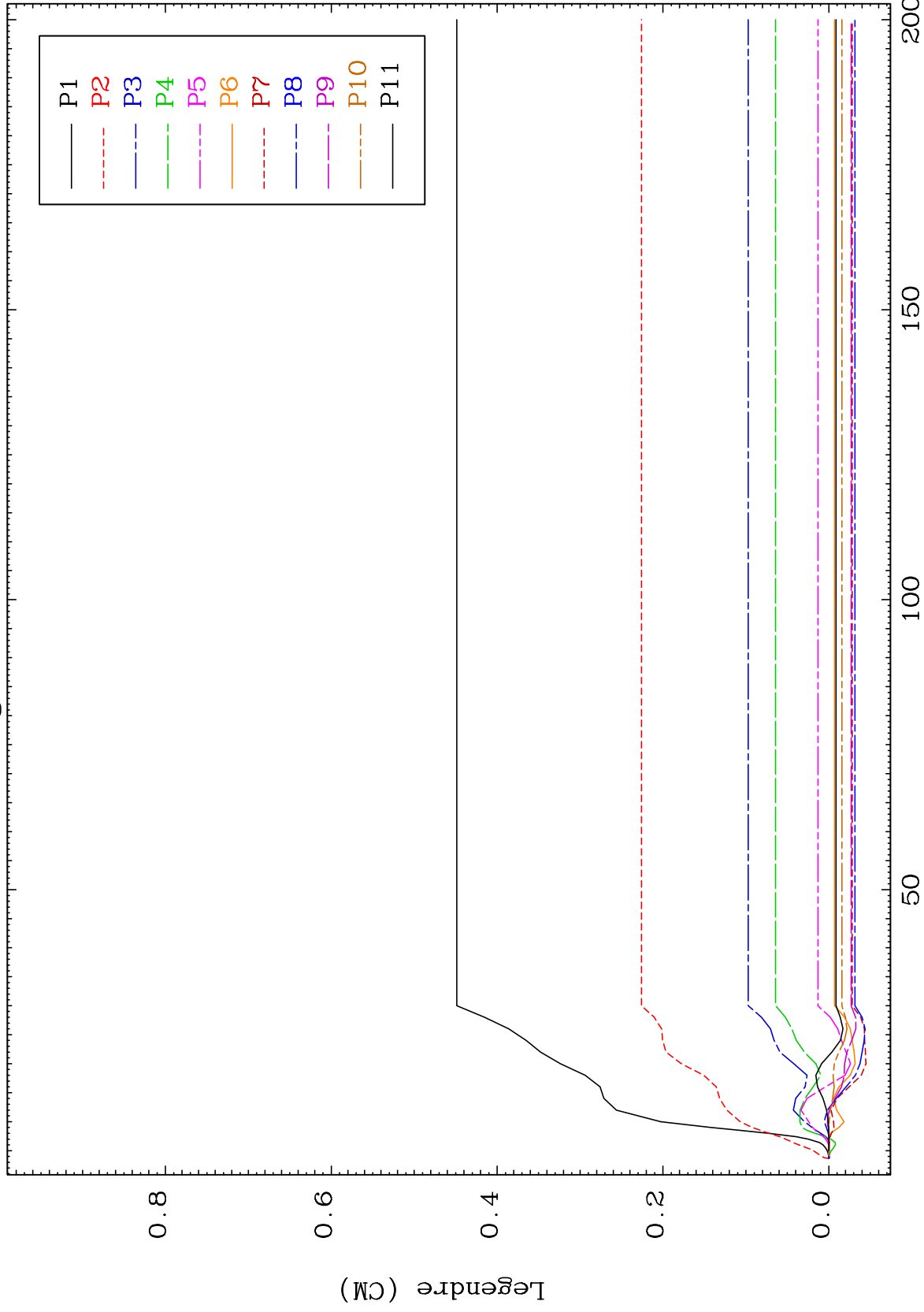
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



70

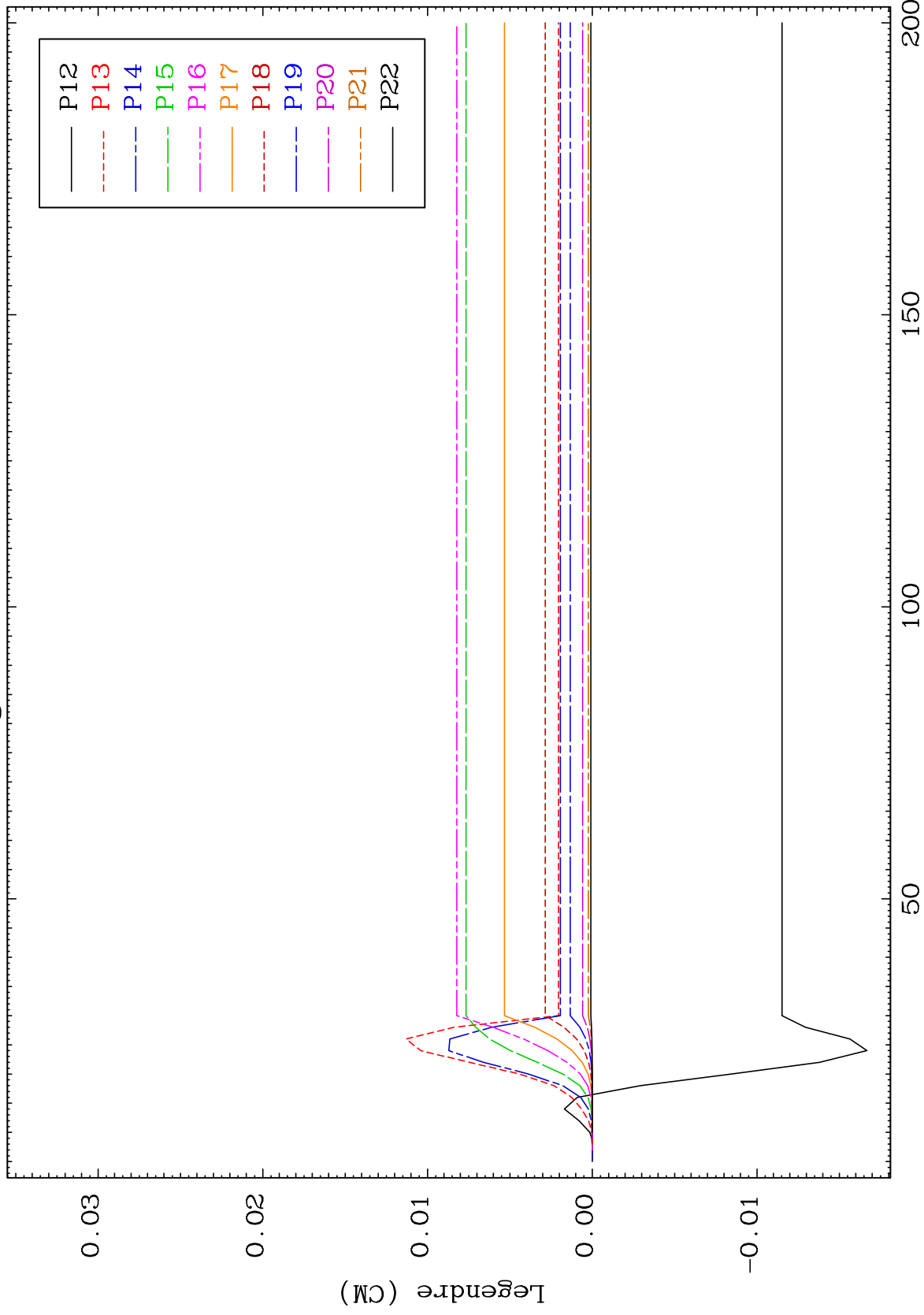
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



71

Incident Energy (MeV)

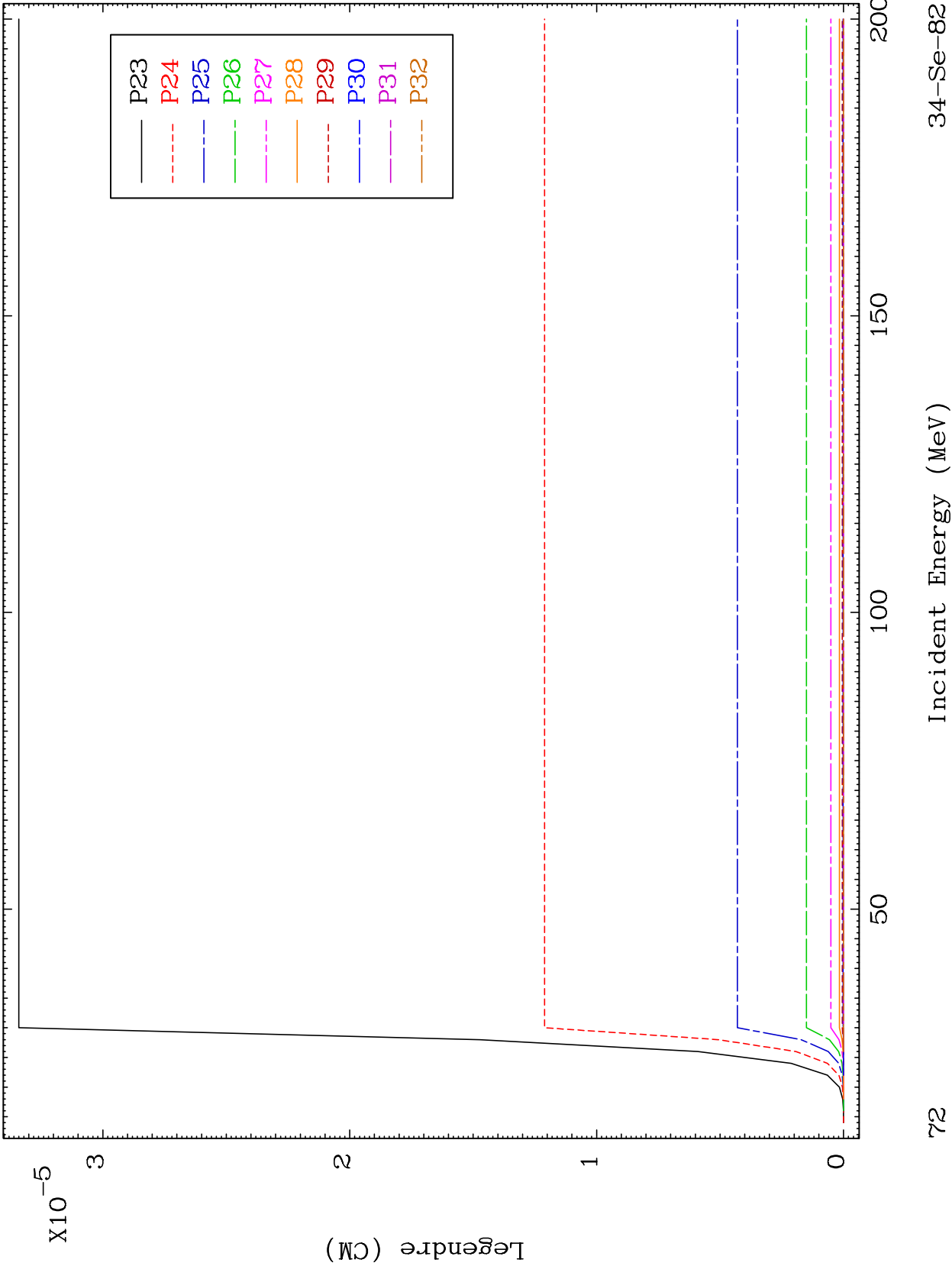
34-Se-82



MAT 3449

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

34-Se-82



72

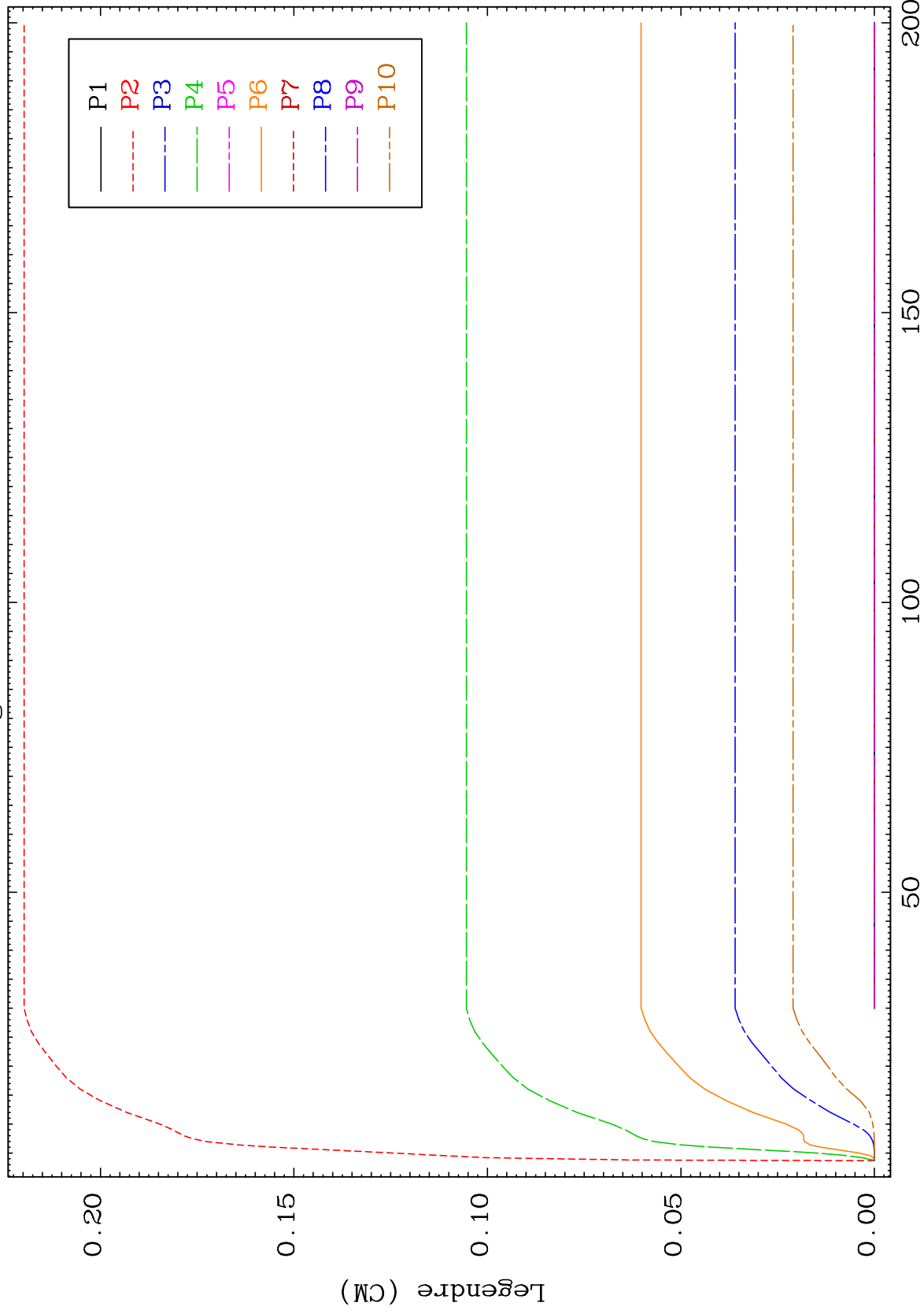
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



73

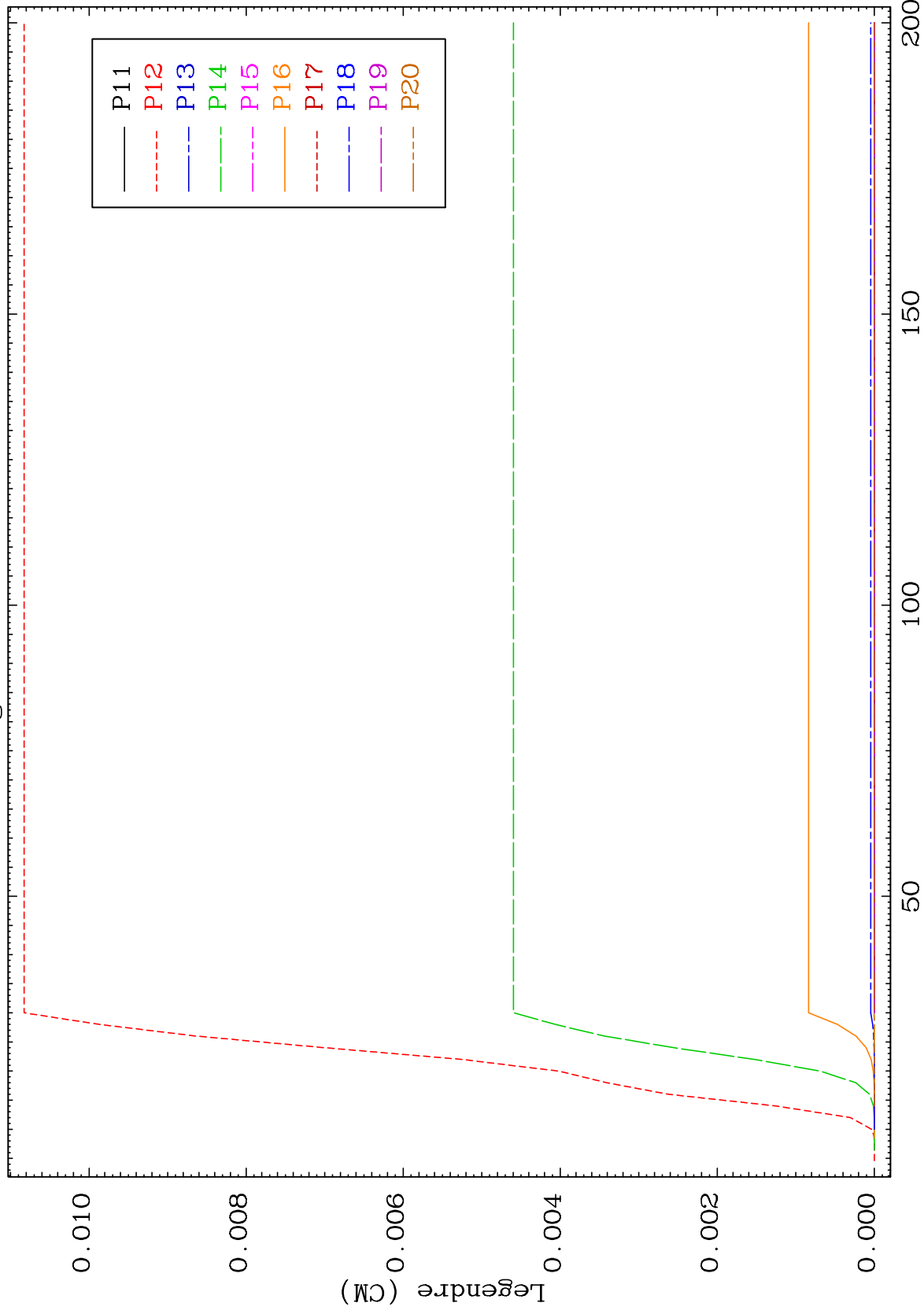
Incident Energy (MeV)

34-Se-82

MAT 3449

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

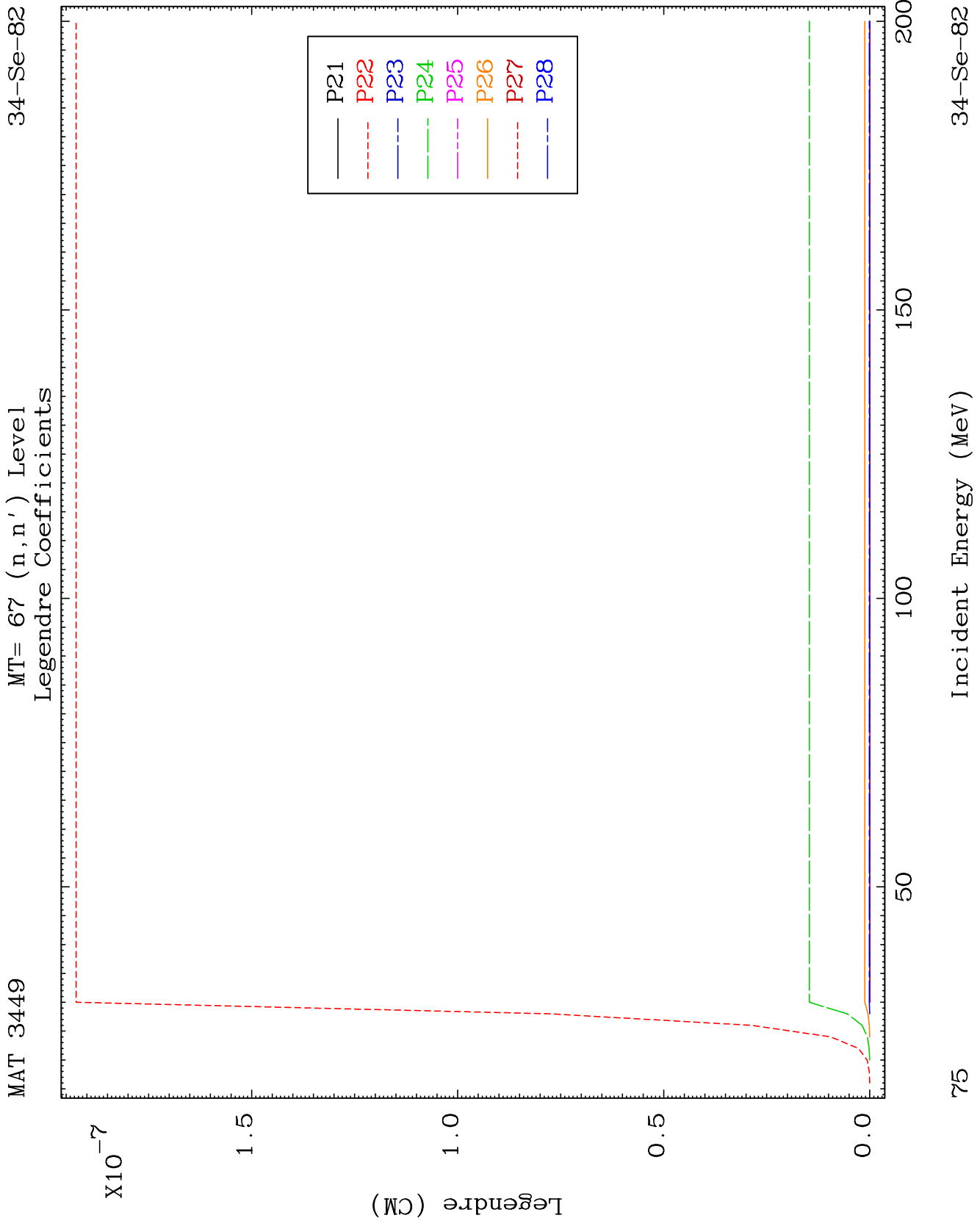
34-Se-82



74

Incident Energy (MeV)

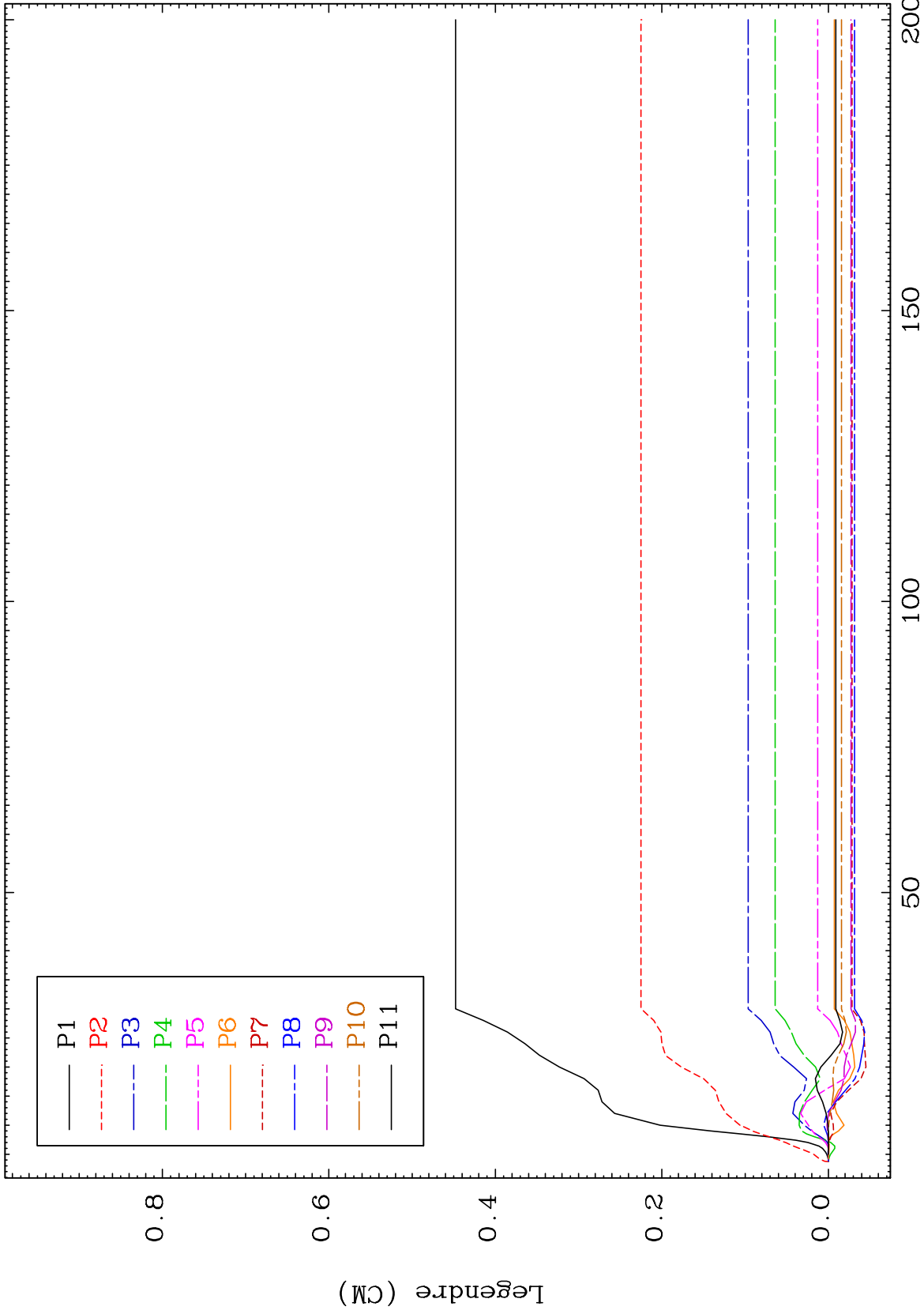
34-Se-82



MAT 3449

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

<sup>34</sup>Se-82



76

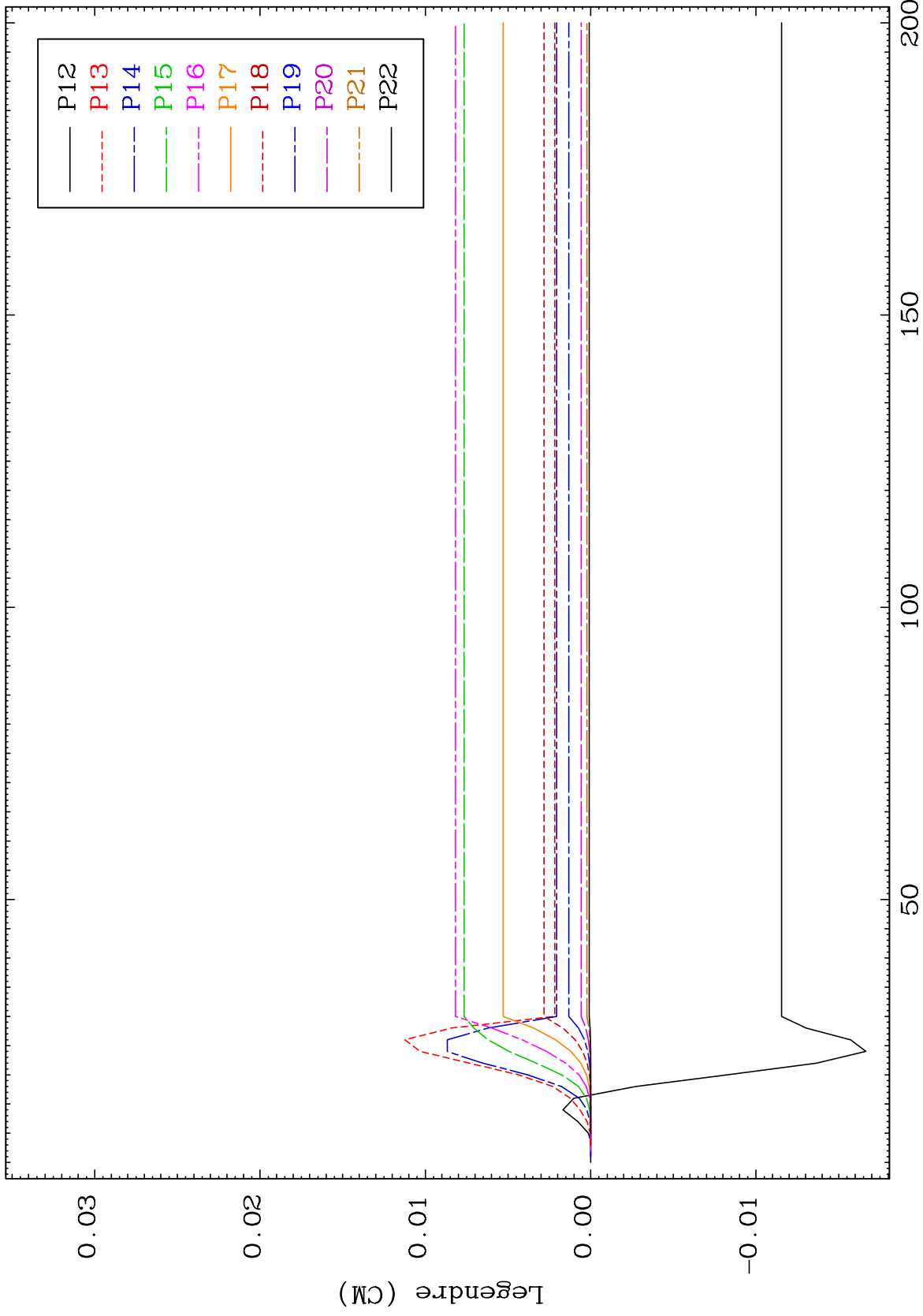
Incident Energy (MeV)

<sup>34</sup>Se-82

MAT 3449

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

<sup>34</sup>Se-82



77

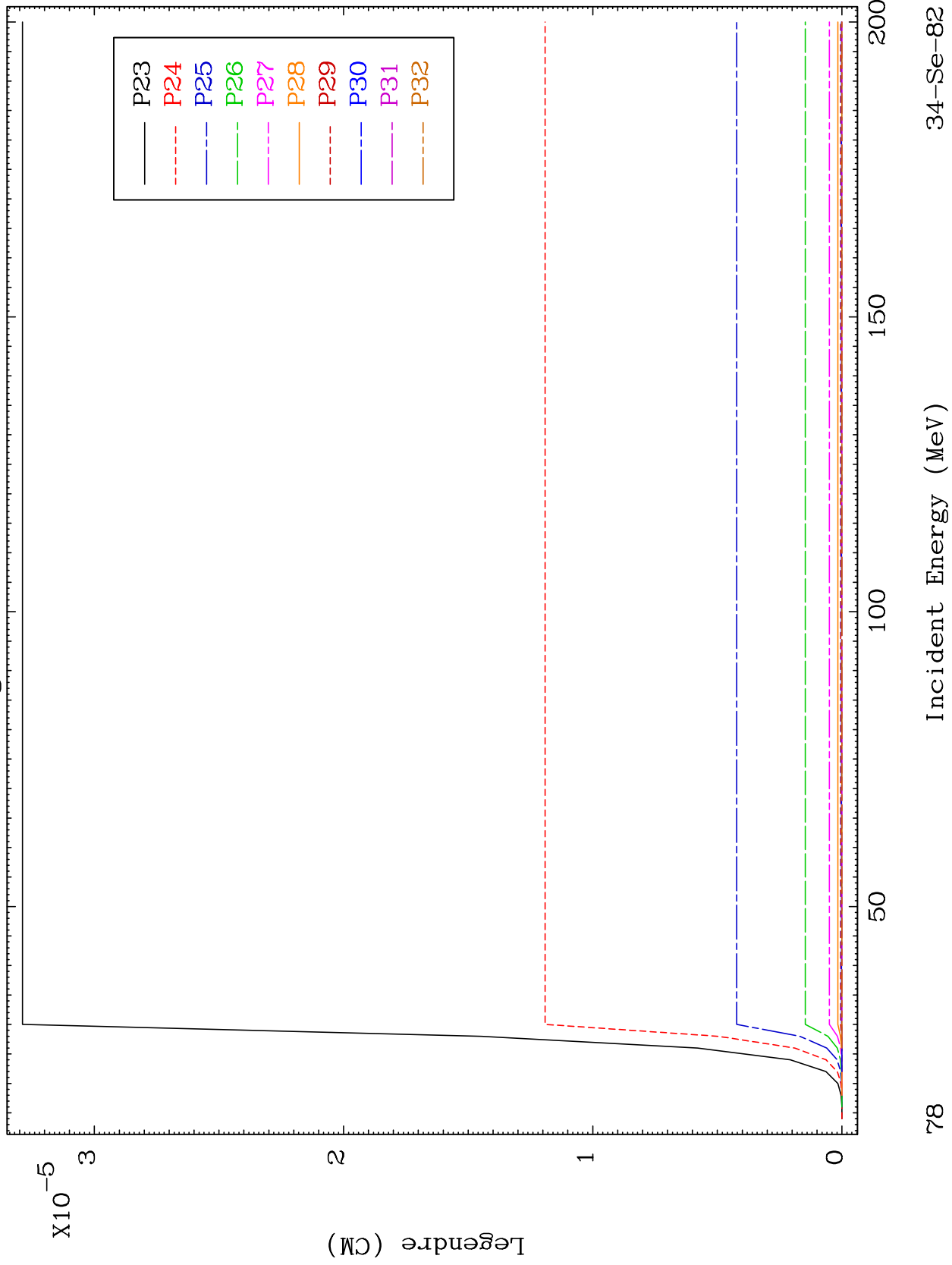
Incident Energy (MeV)

<sup>34</sup>Se-82

MAT 3449

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

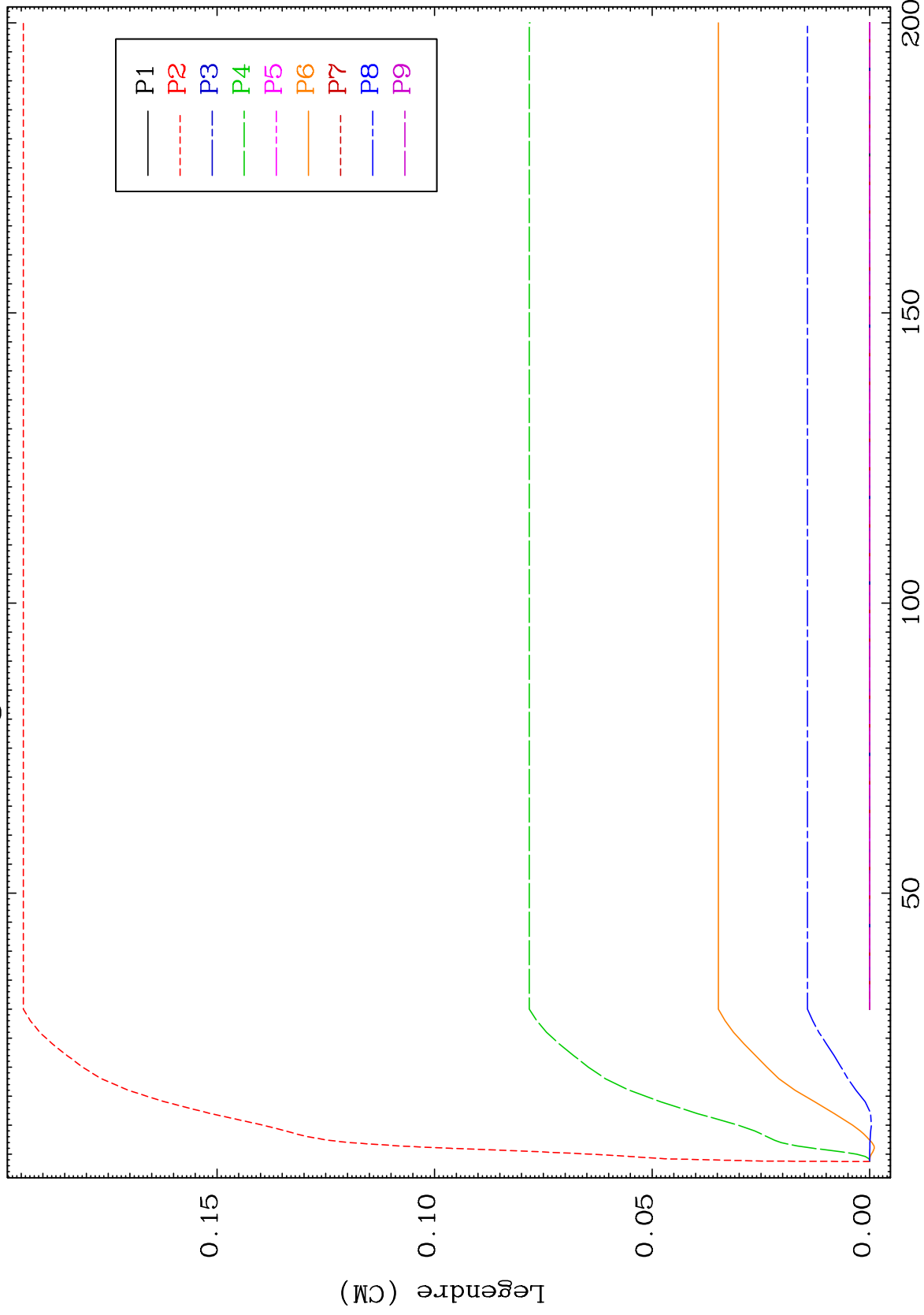
<sup>34</sup>Se-82



MAT 3449

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

34-Se-82



79

Incident Energy (MeV)

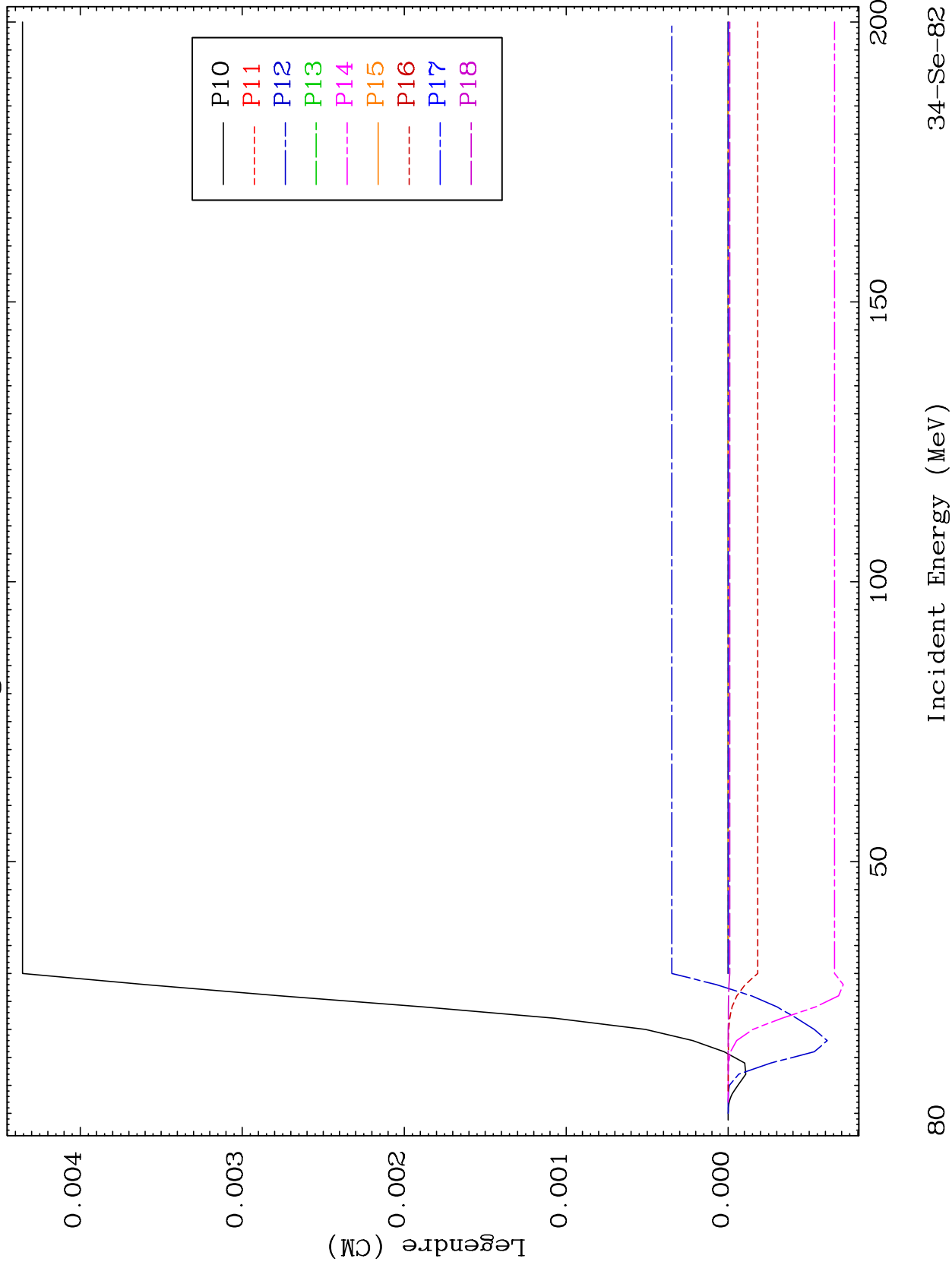
34-Se-82



MAT 3449

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

<sup>34</sup>Se-82



80

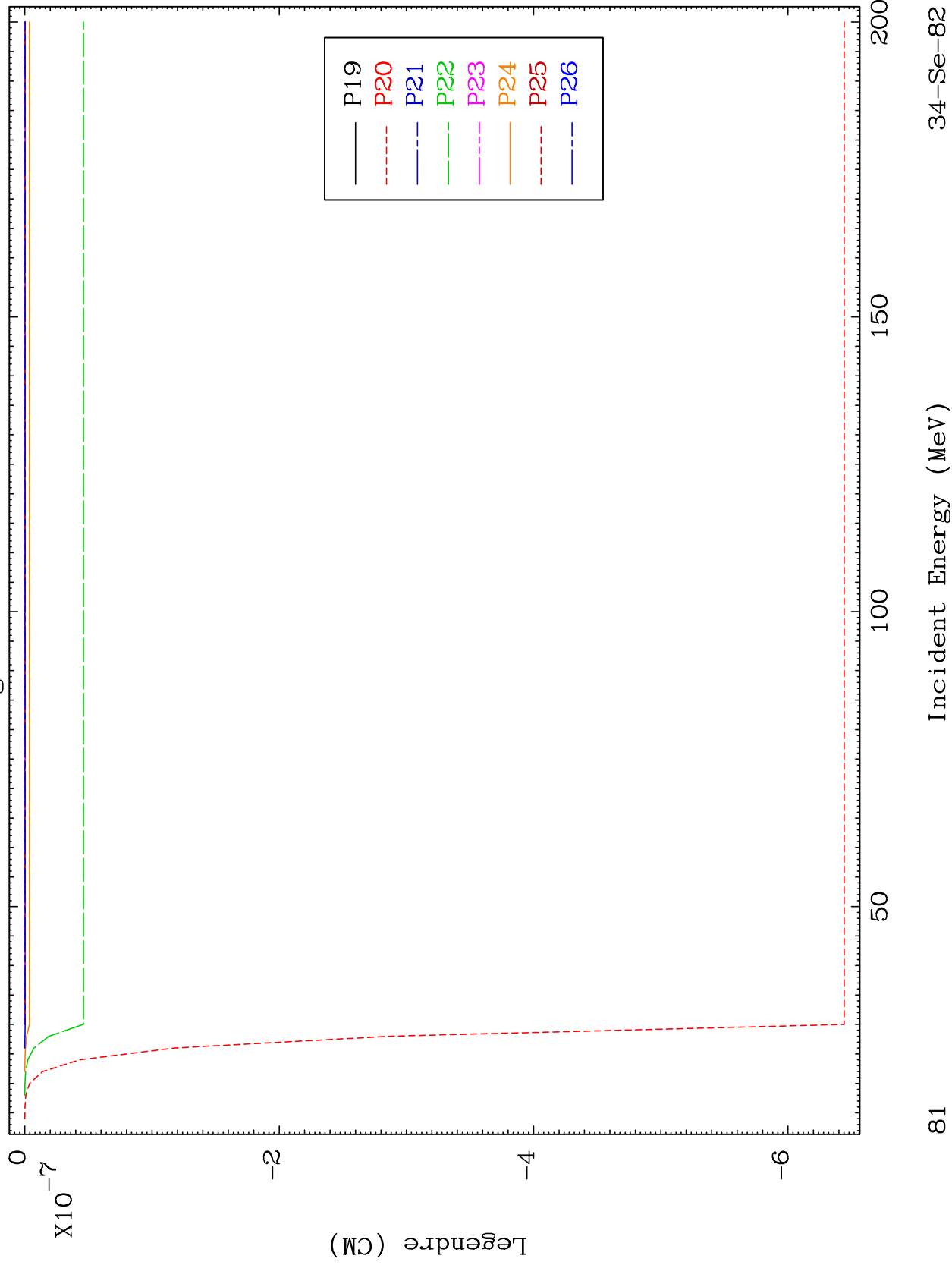
Incident Energy (MeV)

<sup>34</sup>Se-82

MAT 3449

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

<sup>34</sup>Se-82



81

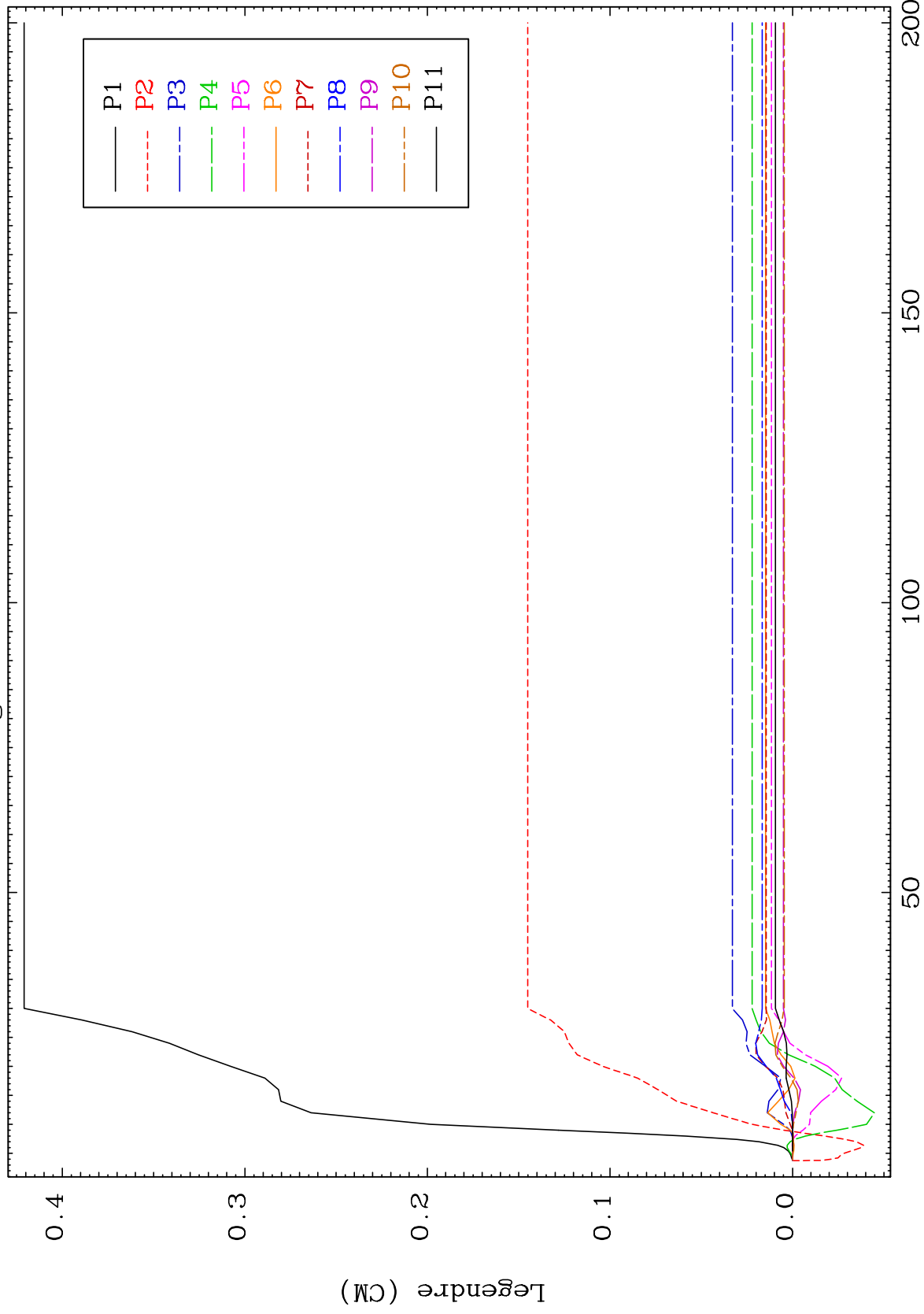
Incident Energy (MeV)

<sup>34</sup>Se-82

MAT 3449

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

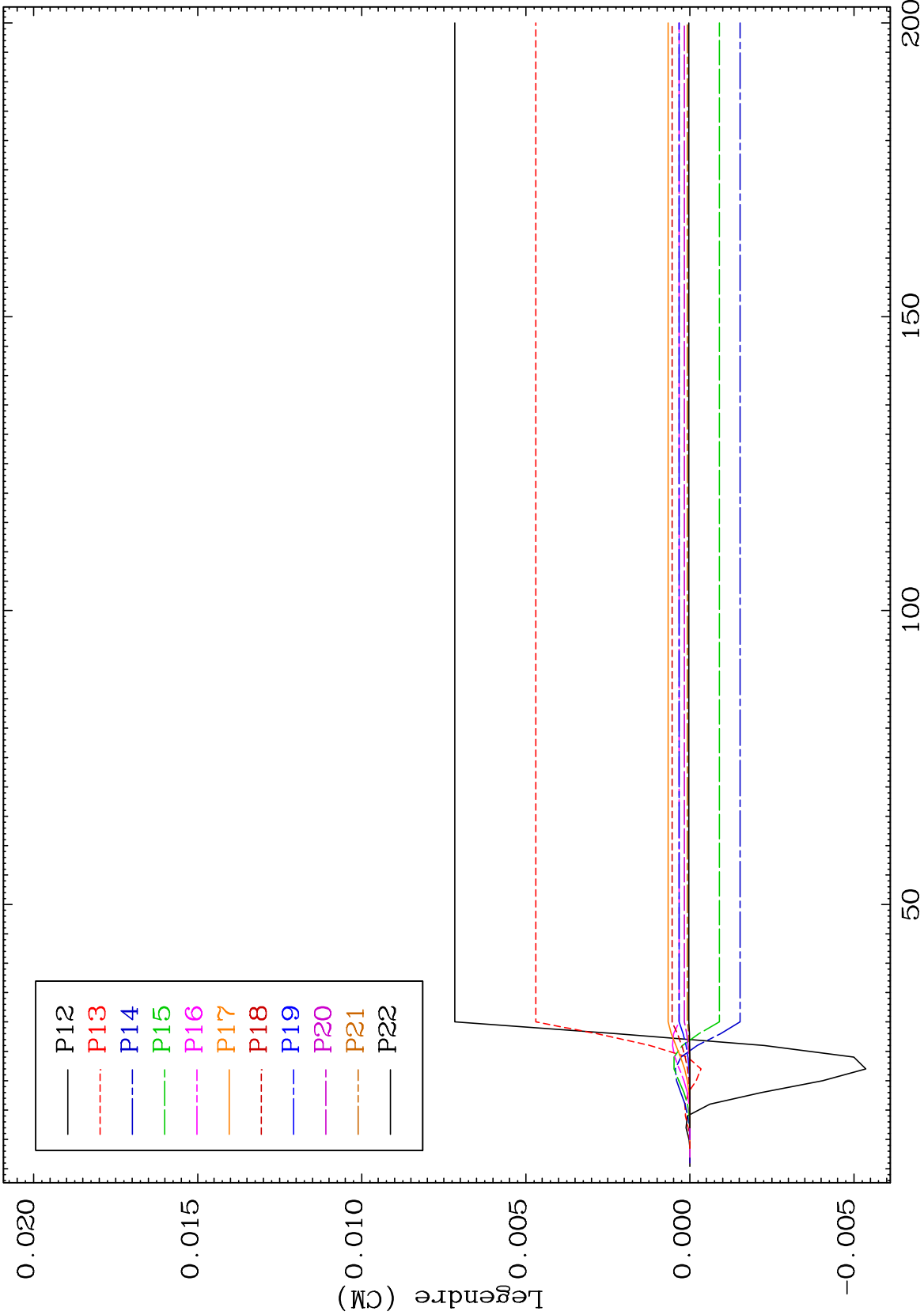
<sup>34</sup>Se-82



82

Incident Energy (MeV)

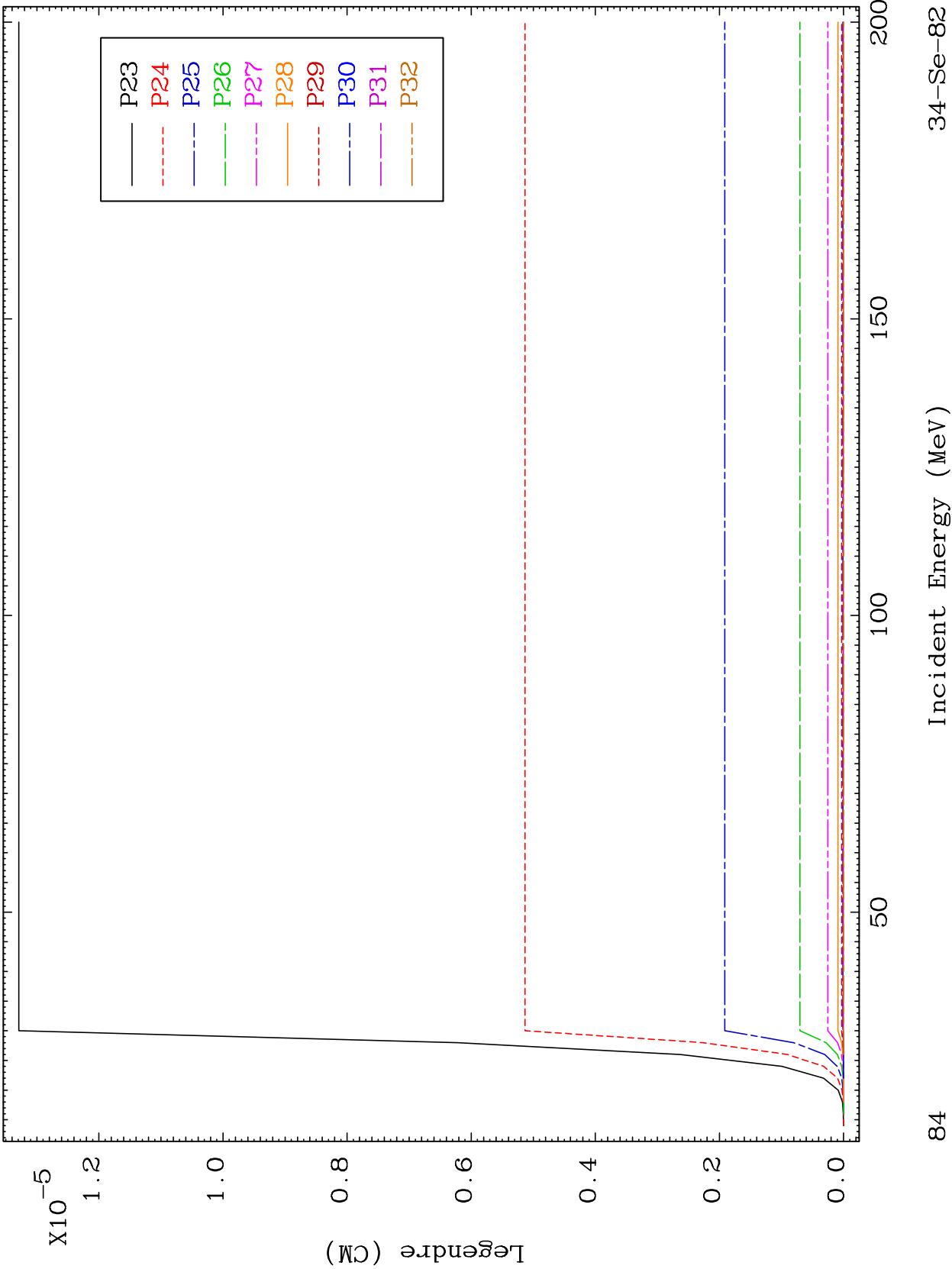
<sup>34</sup>Se-82



MAT 3449

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

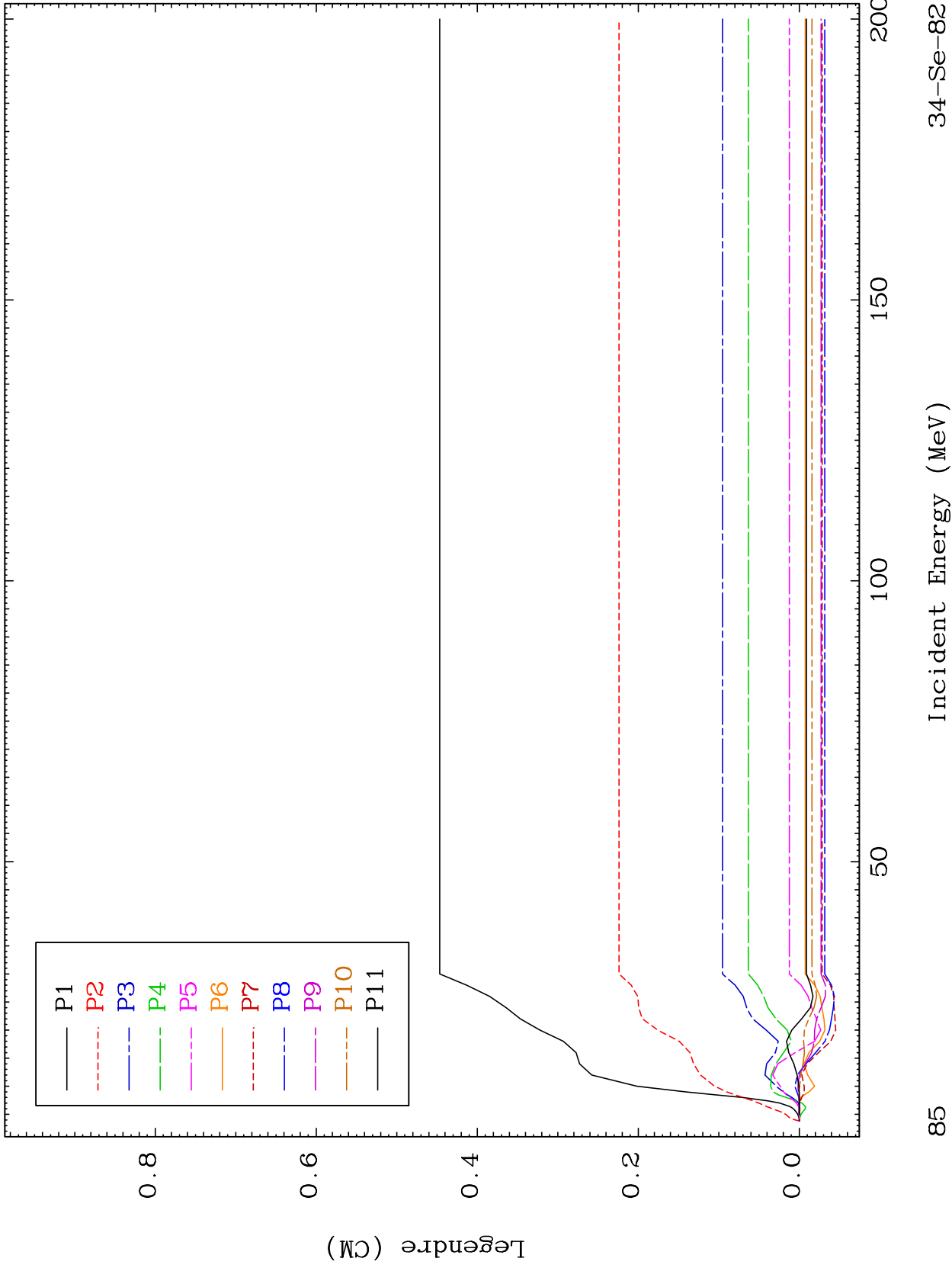
34-Se-82



MAT 3449

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

<sup>34</sup>Se-82



85

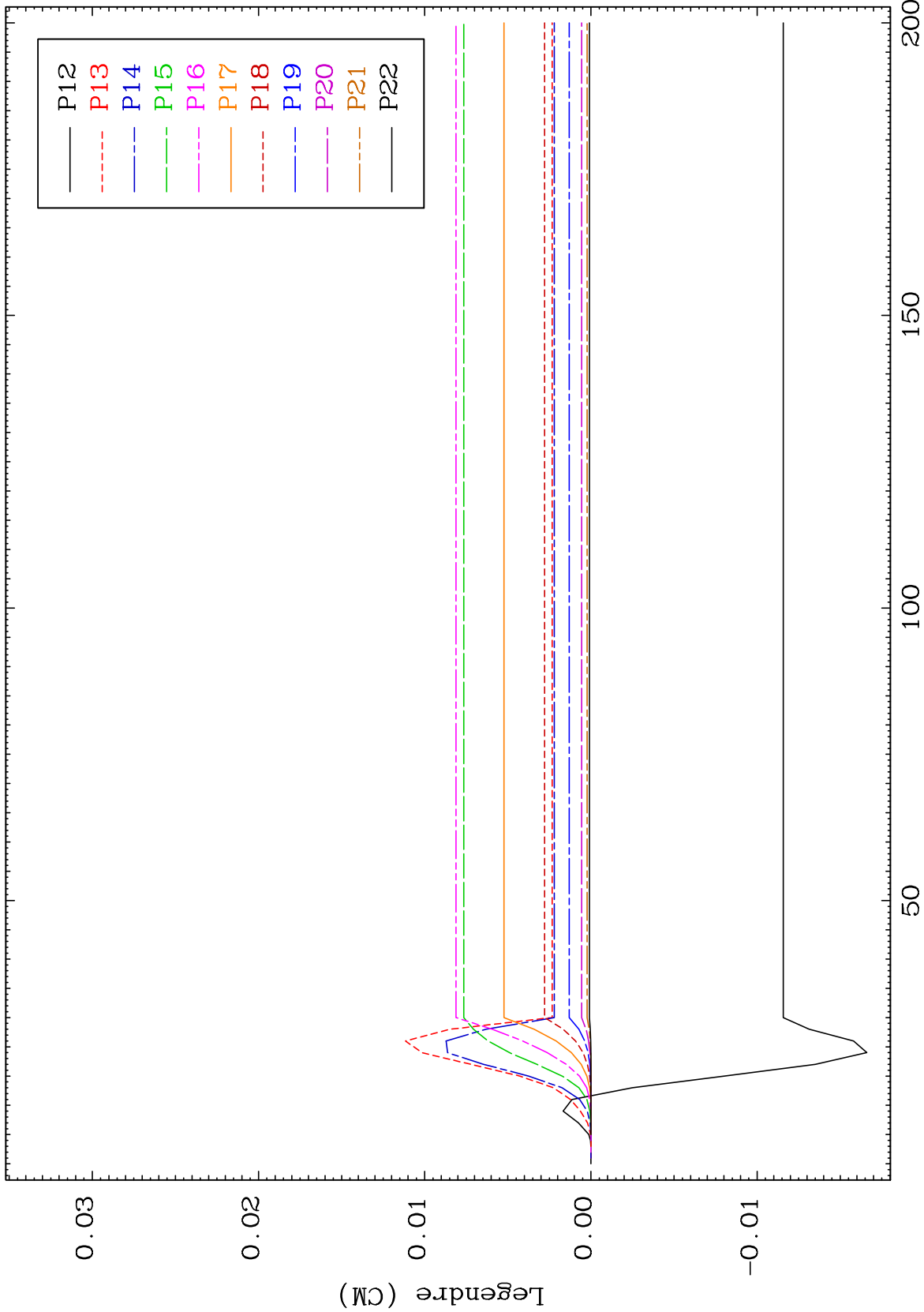
Incident Energy (MeV)

<sup>34</sup>Se-82

MAT 3449

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

34-Se-82



86

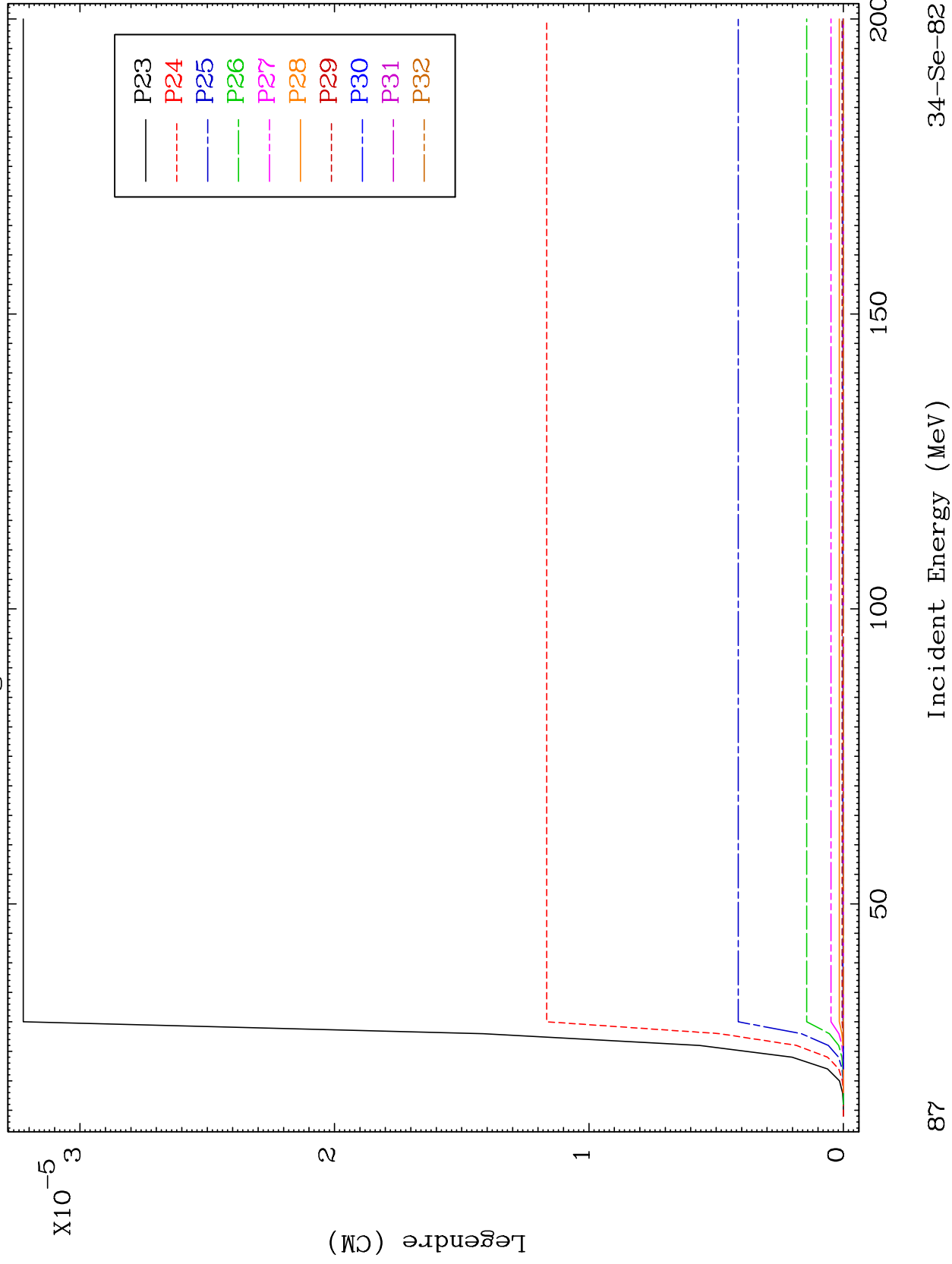
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82

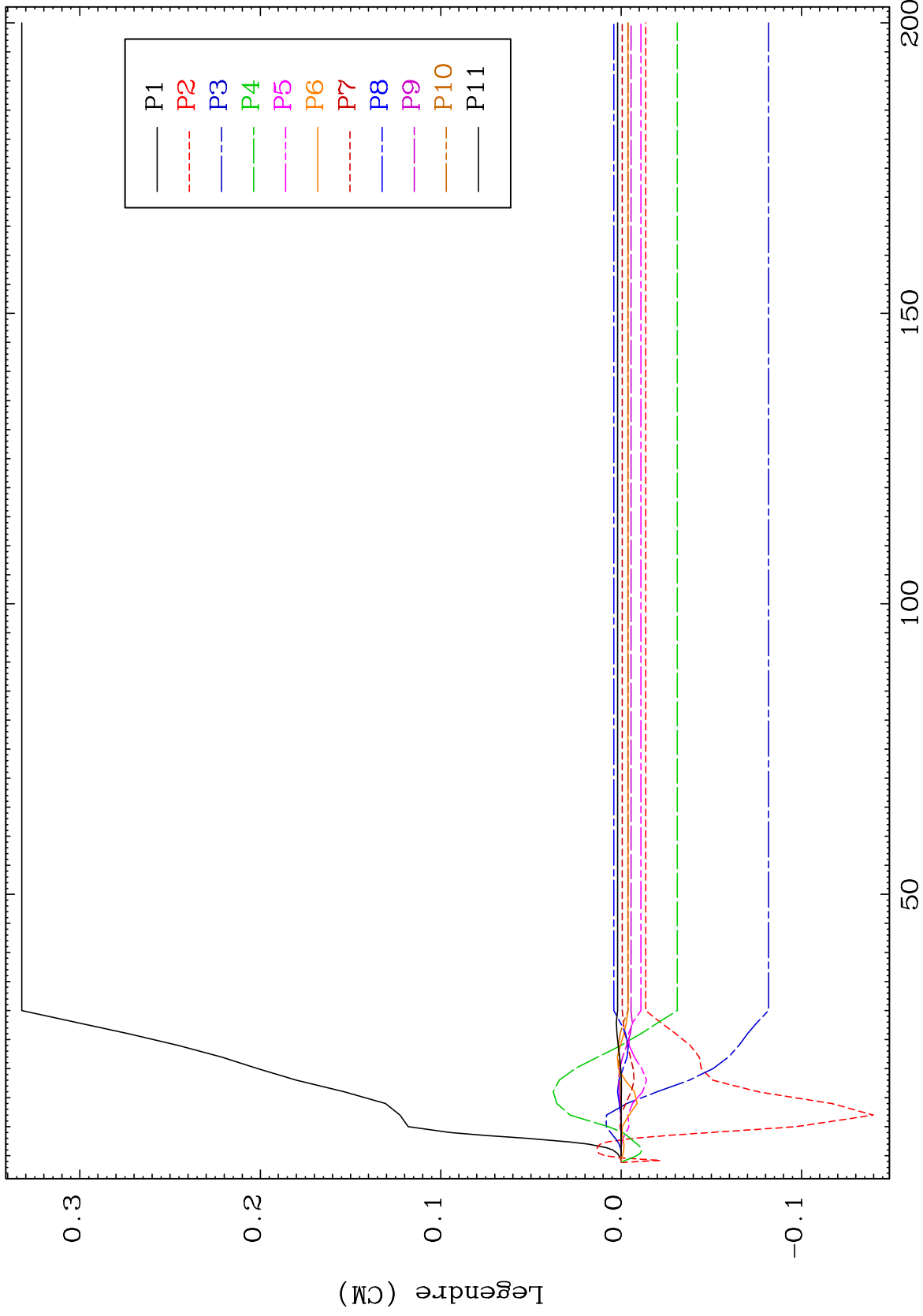




MAT 3449

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

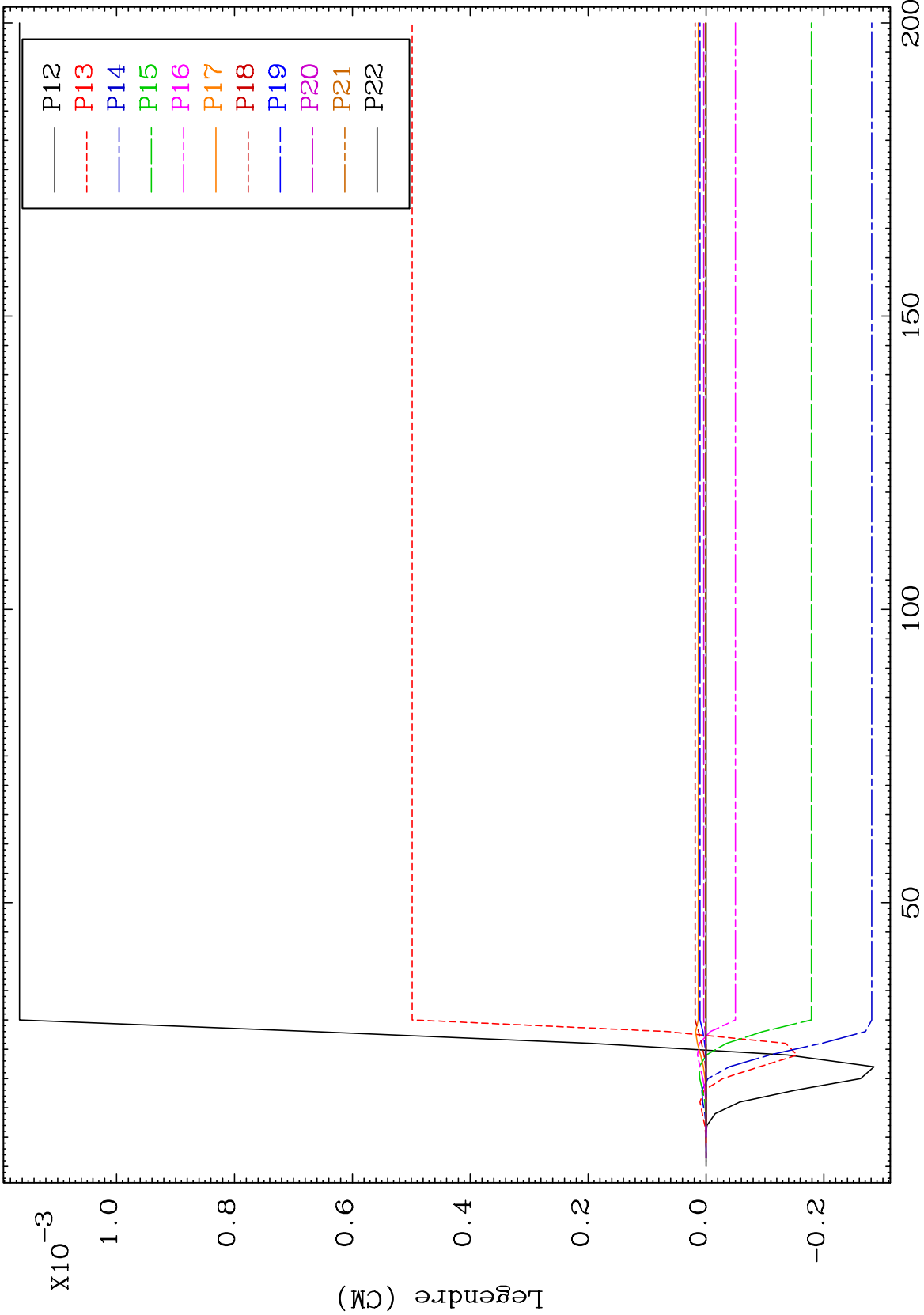
34-Se-82



88

Incident Energy (MeV)

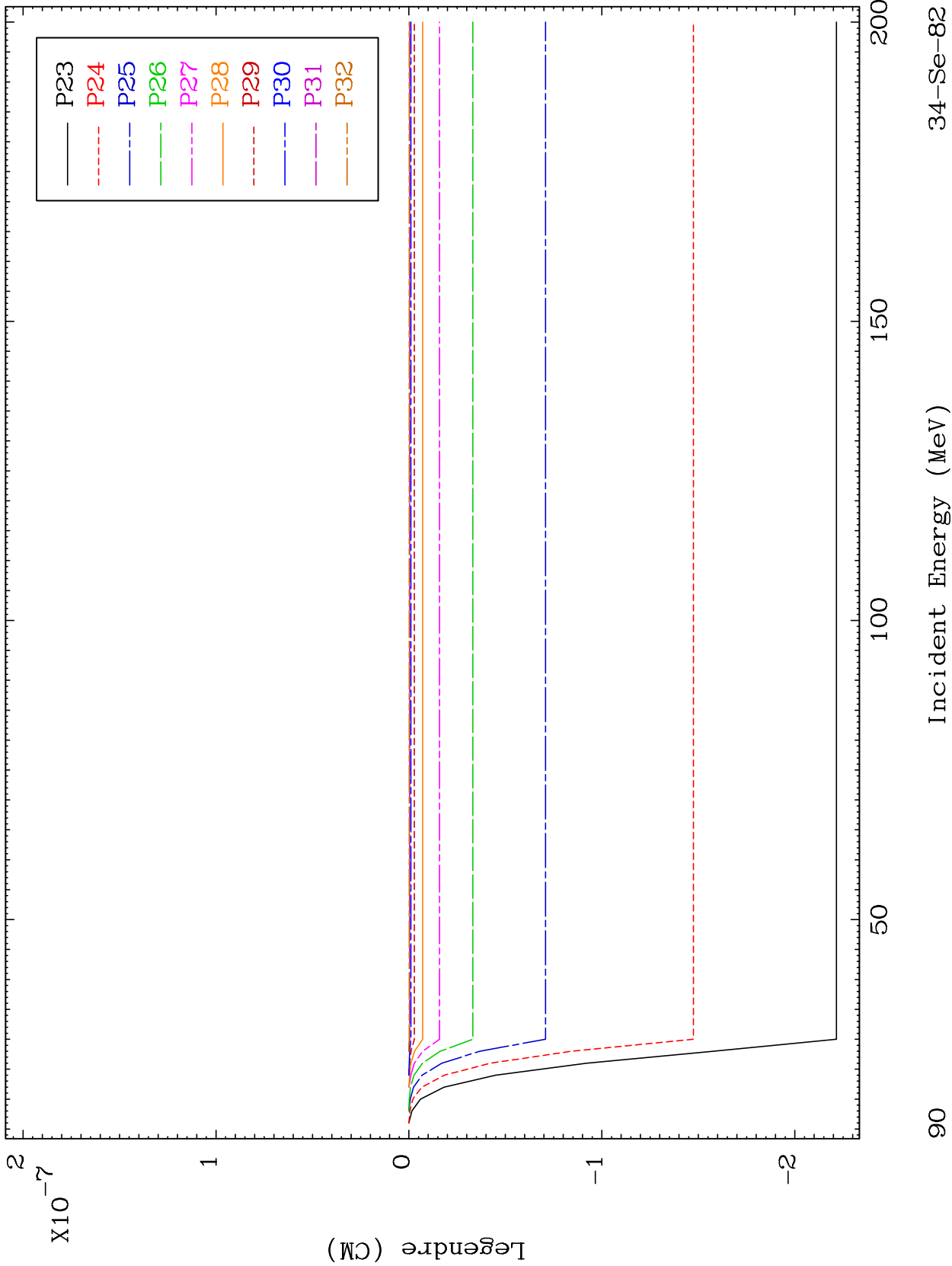
34-Se-82



MAT 3449

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

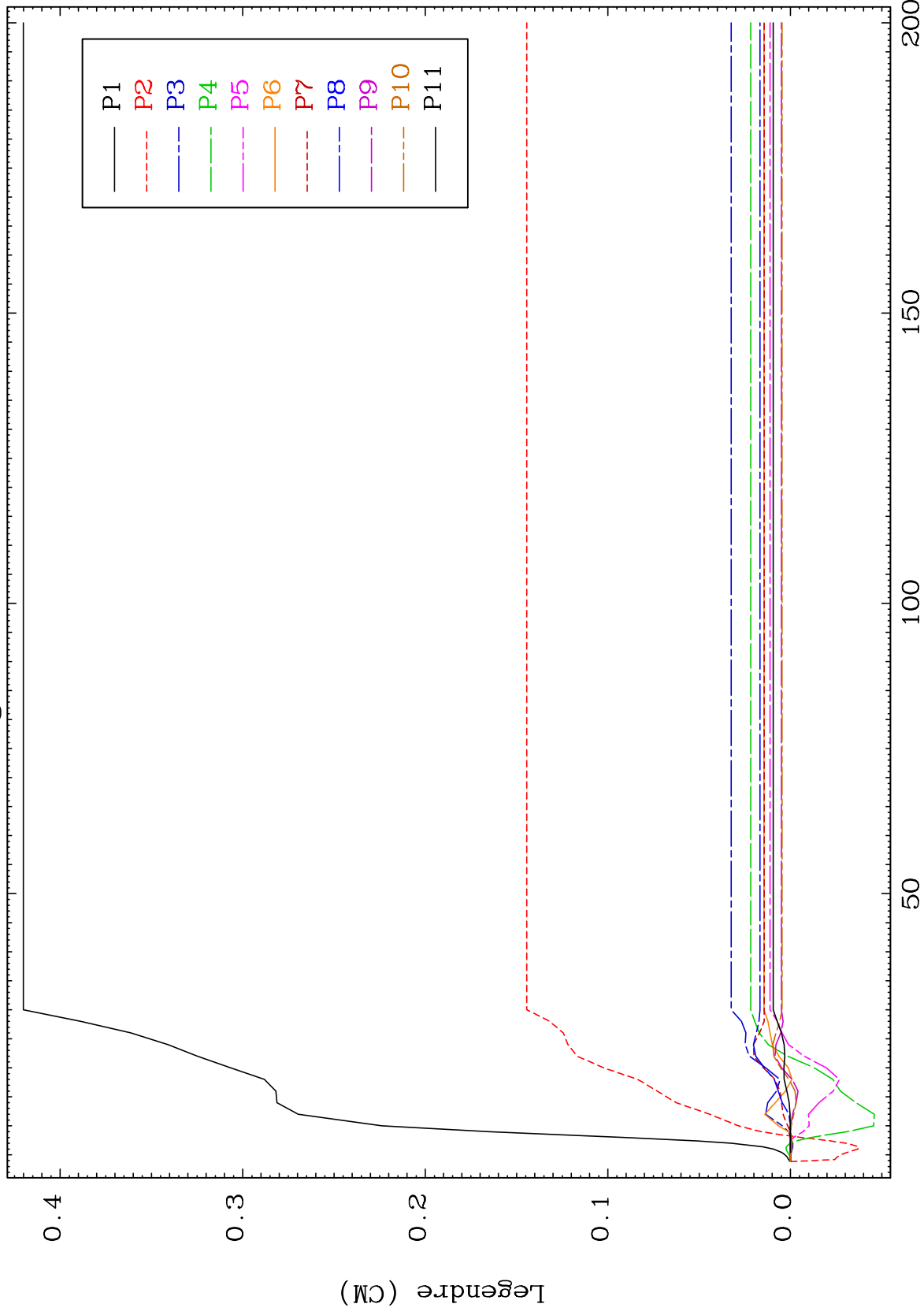
34-Se-82



MAT 3449

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

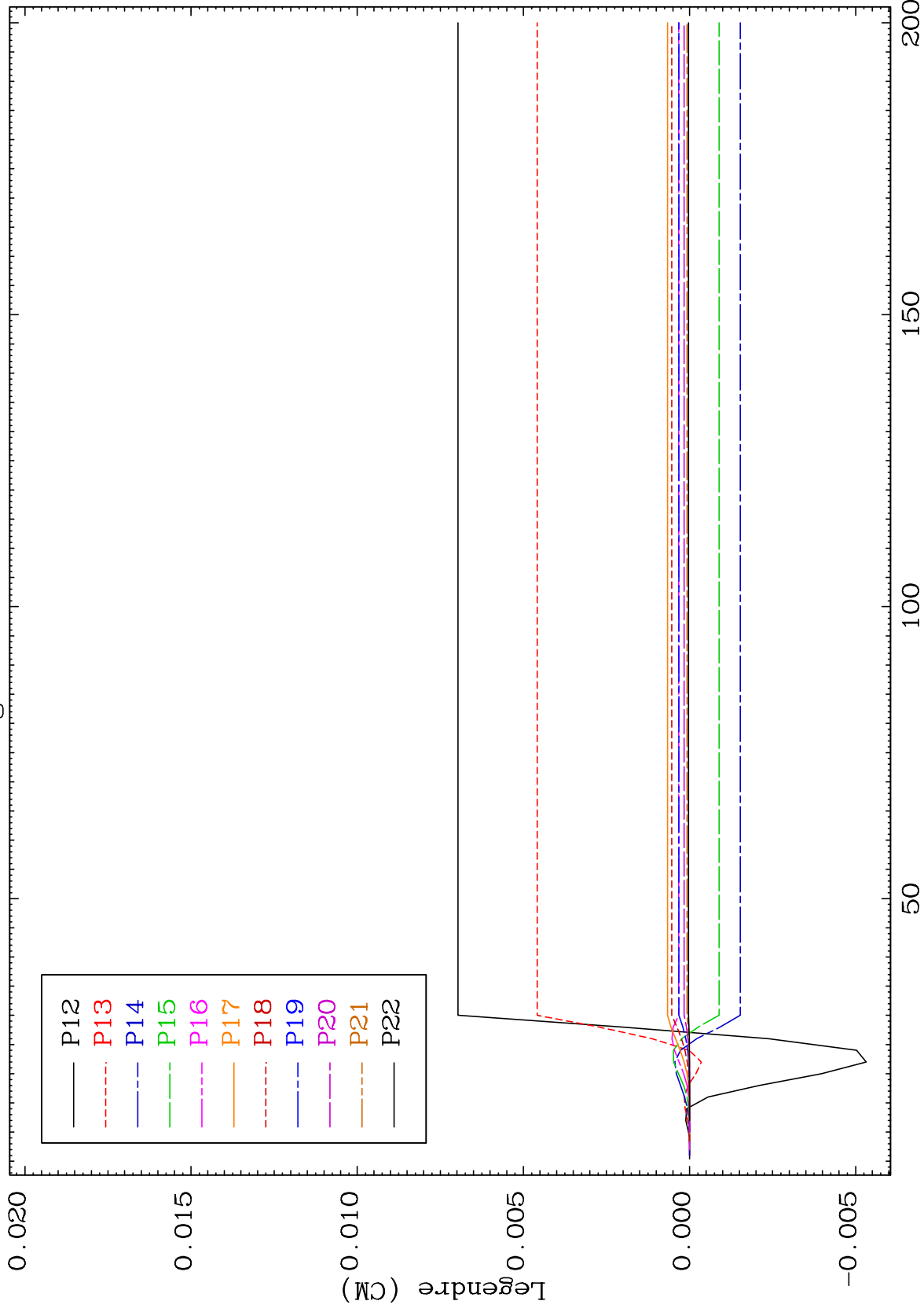
<sup>34</sup>Se-82



91

Incident Energy (MeV)

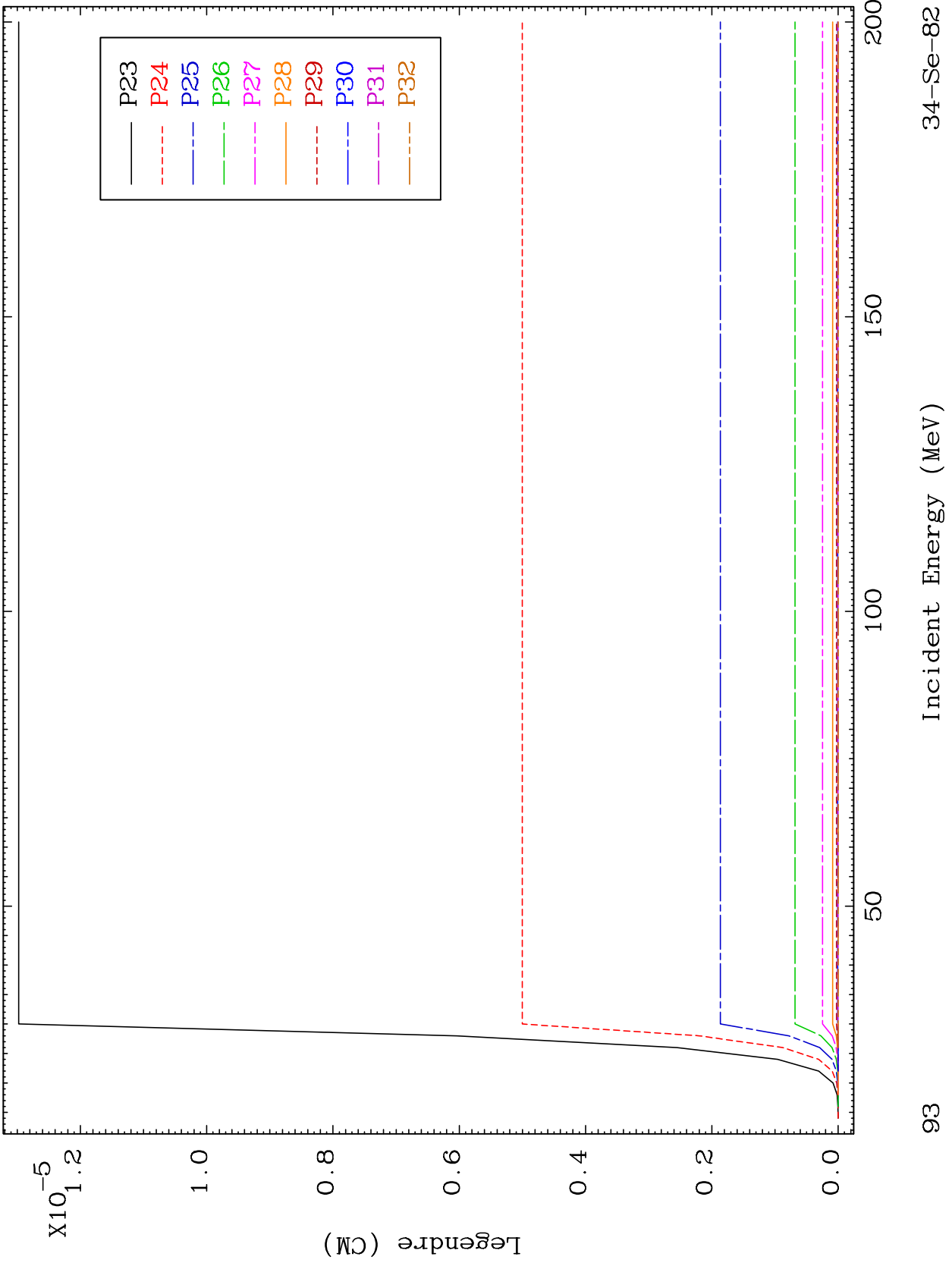
<sup>34</sup>Se-82

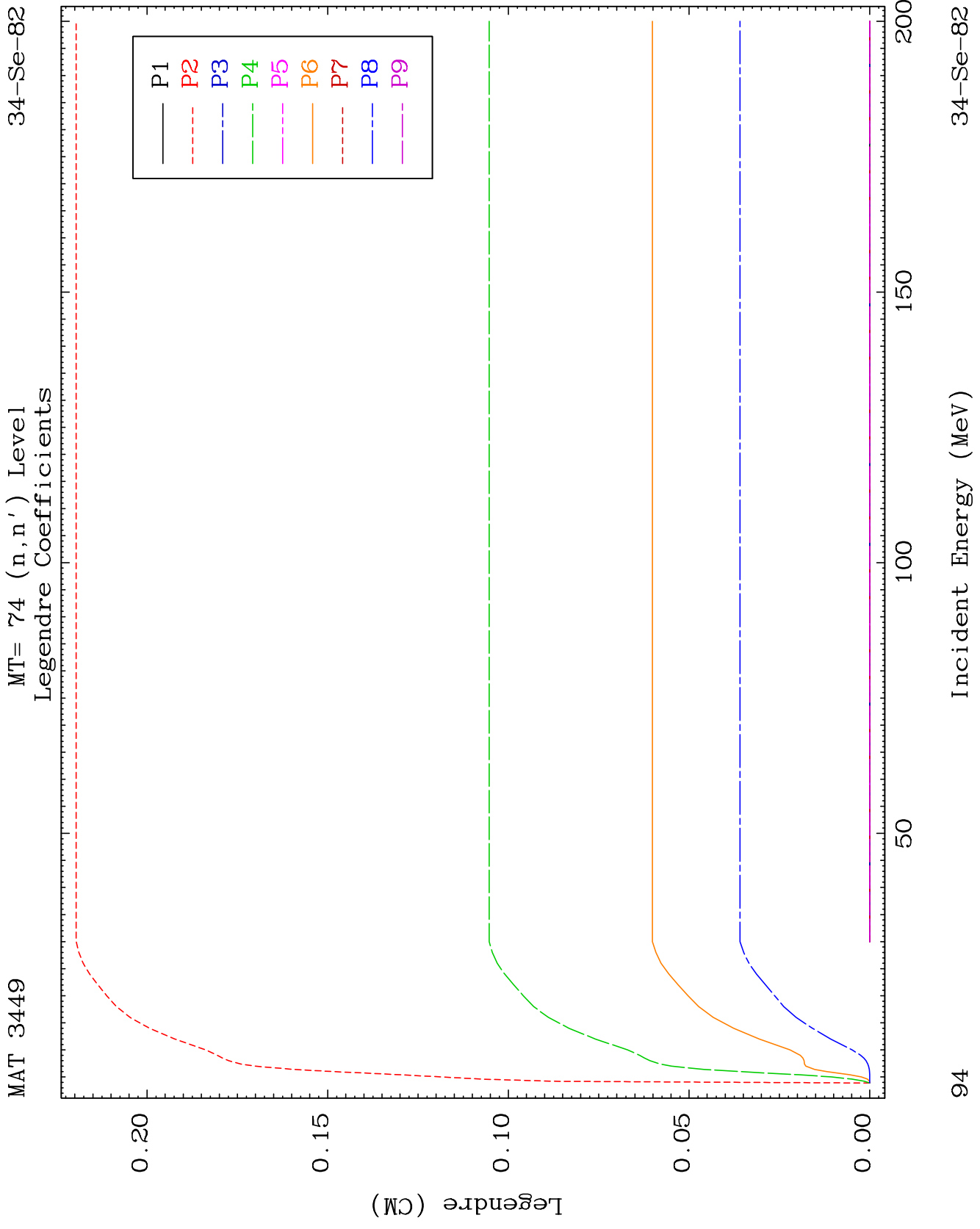


MAT 3449

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

34-Se-82

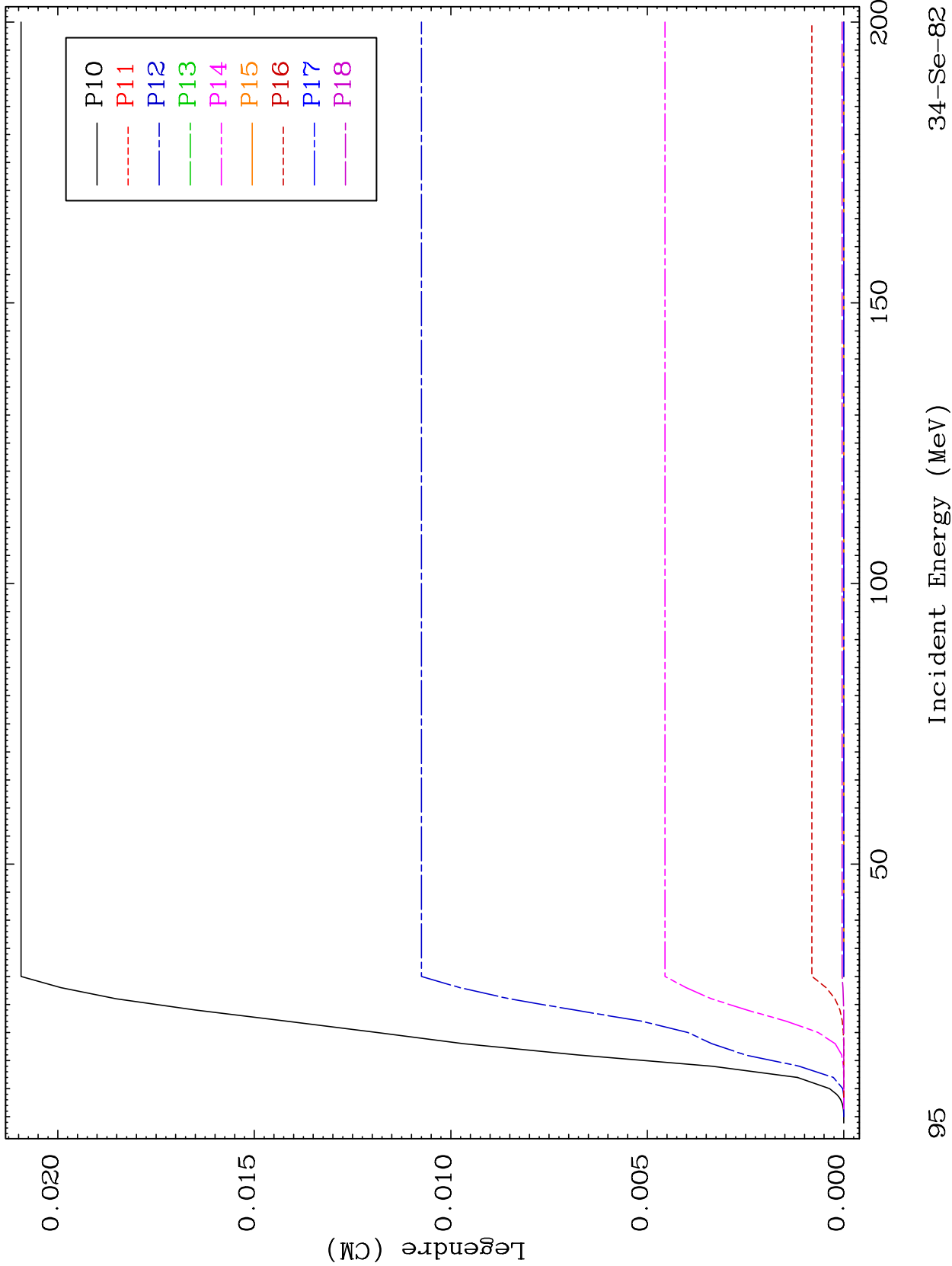




MAT 3449

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

34-Se-82



95

Incident Energy (MeV)

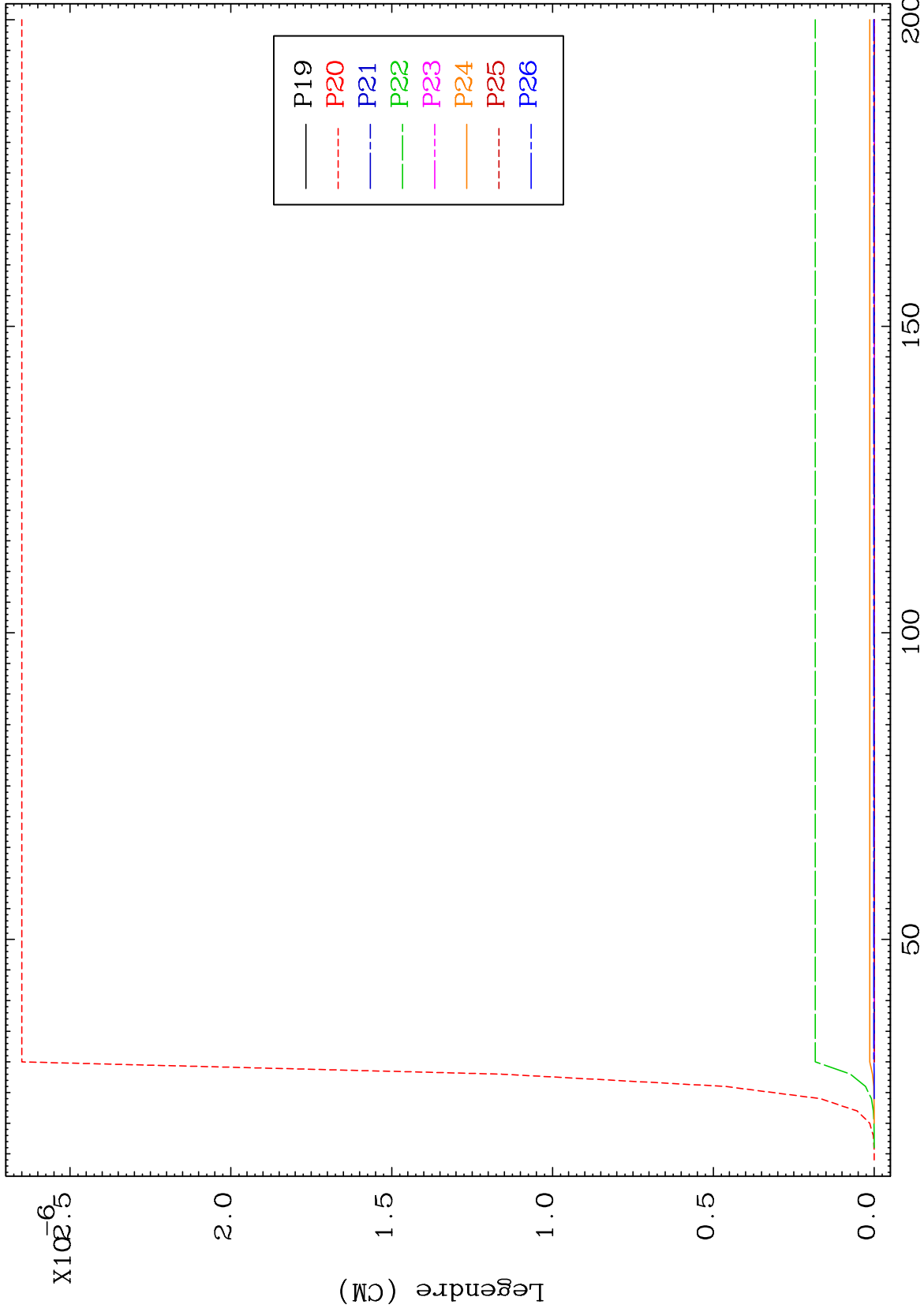
34-Se-82



MAT 3449

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

34-Se-82



96

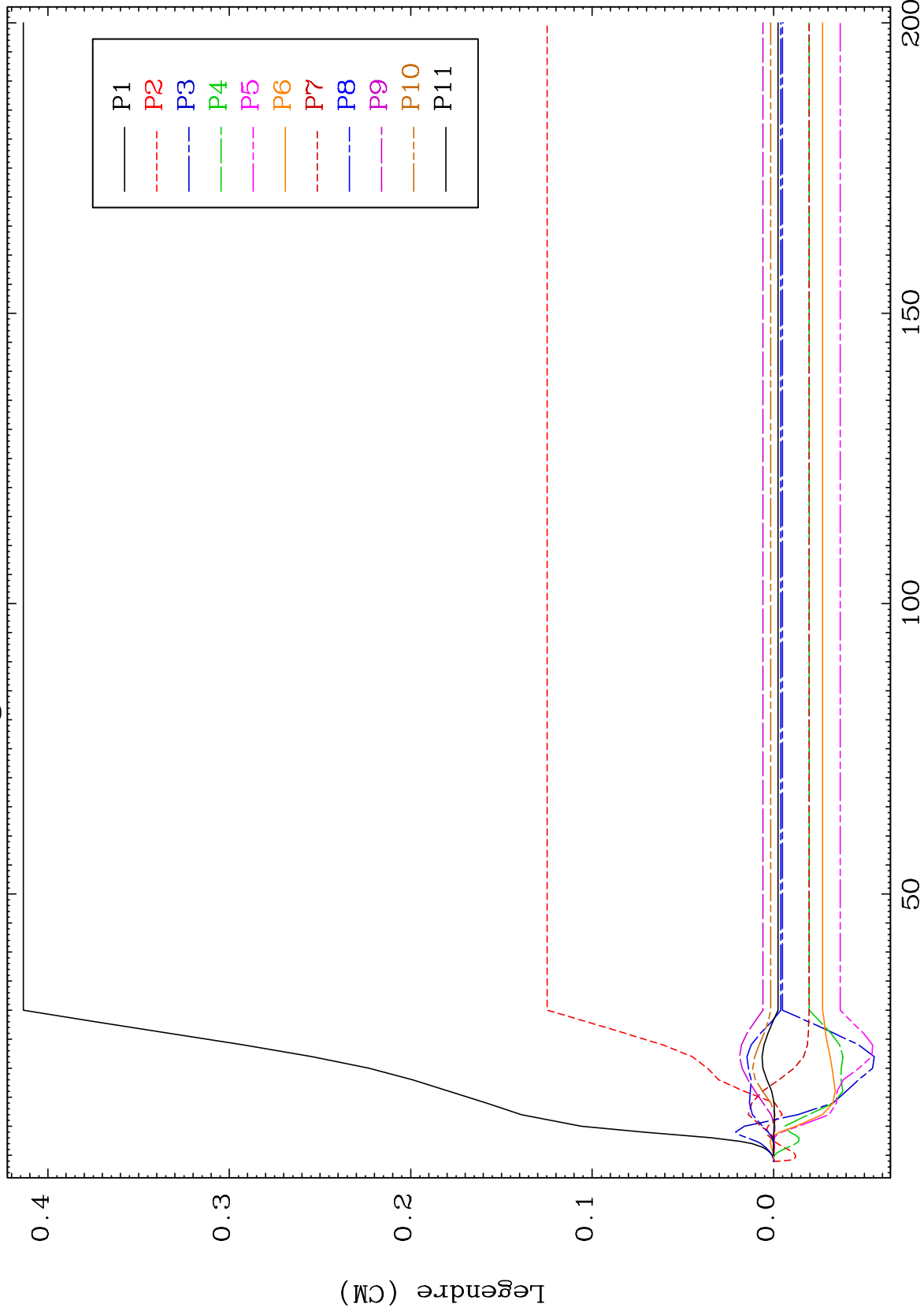
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



97

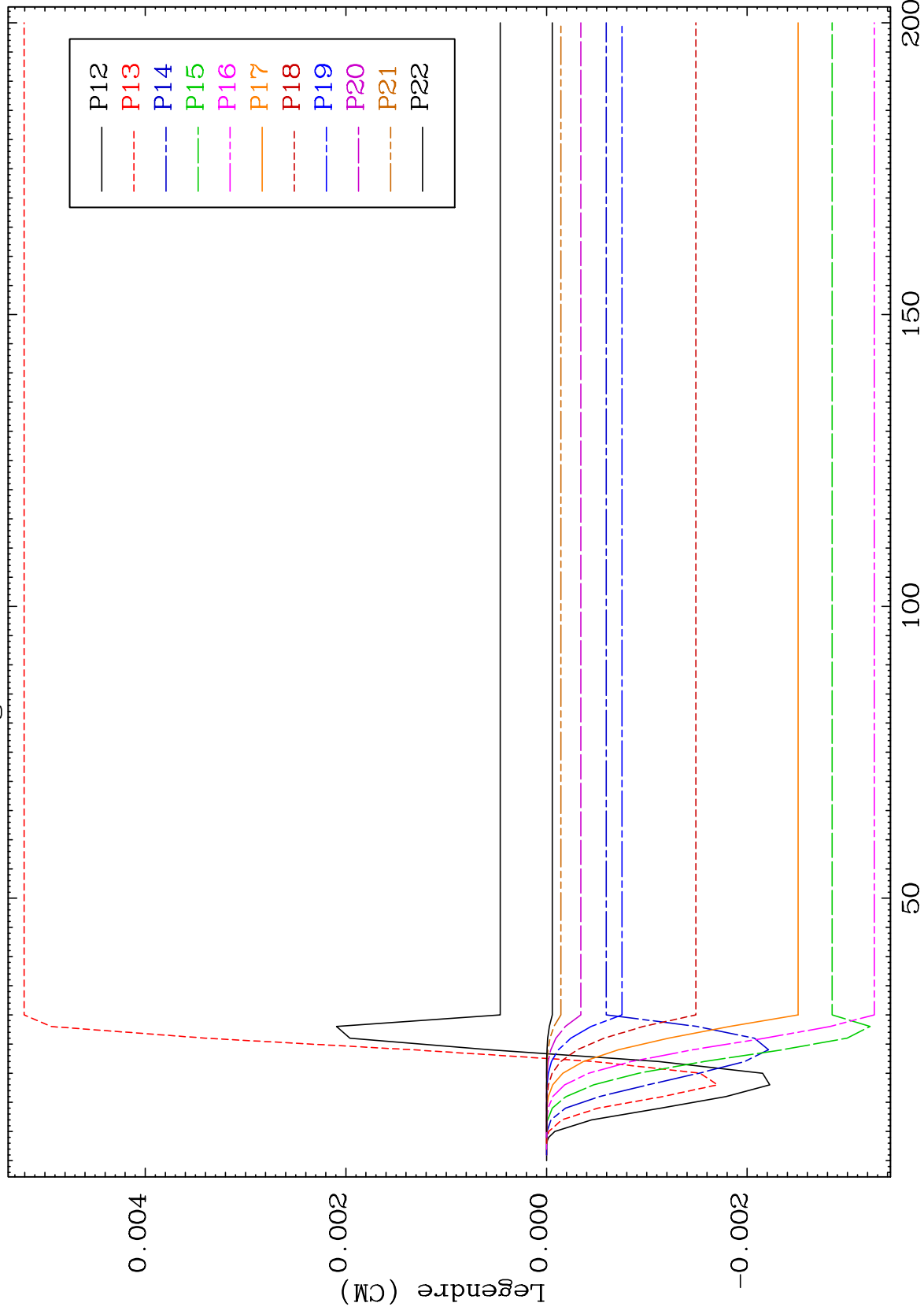
Incident Energy (MeV)

34-Se-82

MAT 3449

34-Se-82

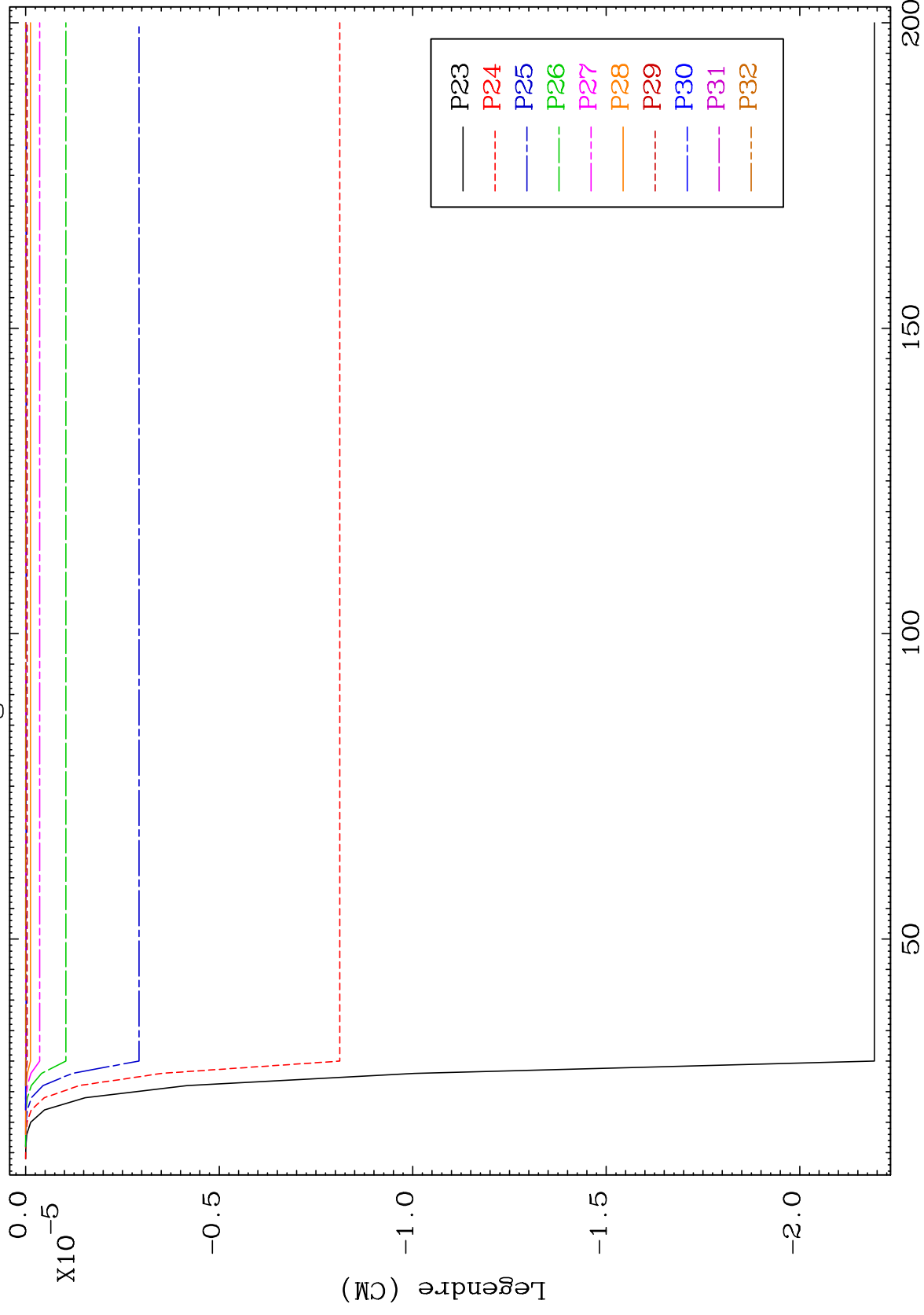
MT= 75 (n,n') Level  
Legendre Coefficients



MAT 3449

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

34-Se-82



99

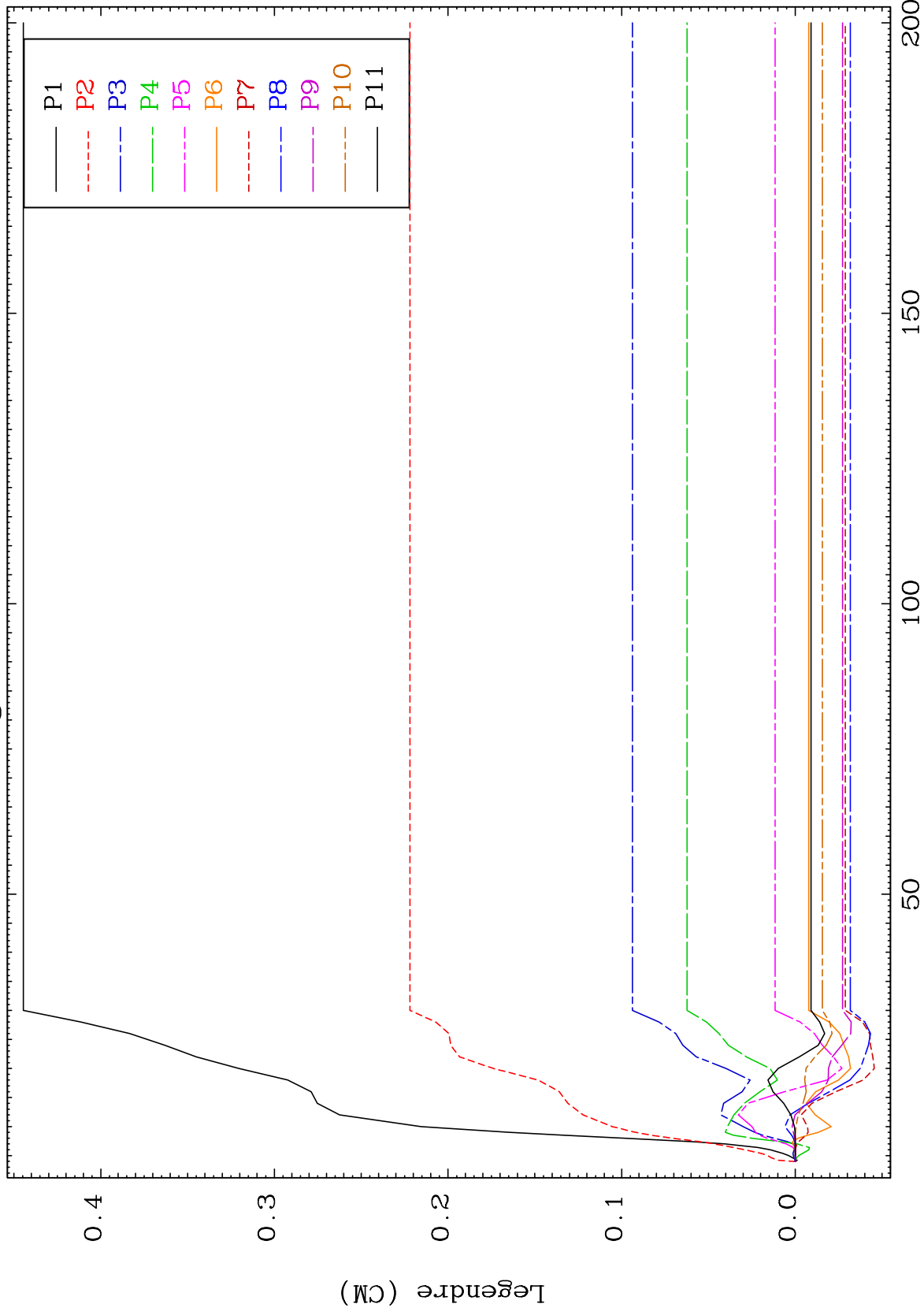
Incident Energy (MeV)

34-Se-82

MAT 3449

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

<sup>34</sup>Se-82



<sup>34</sup>Se-82

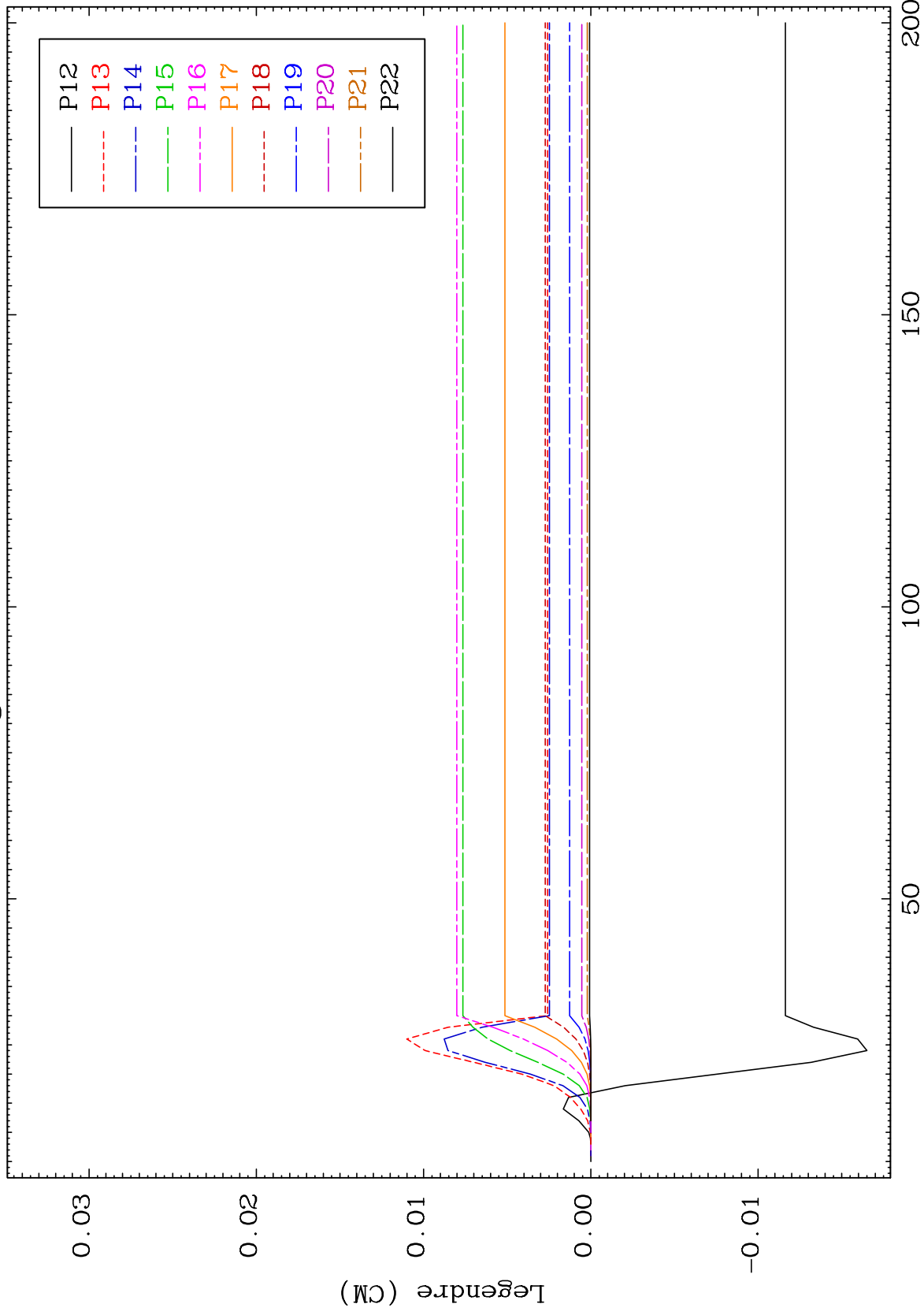
Incident Energy (MeV)

100

MAT 3449

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

34-Se-82



101

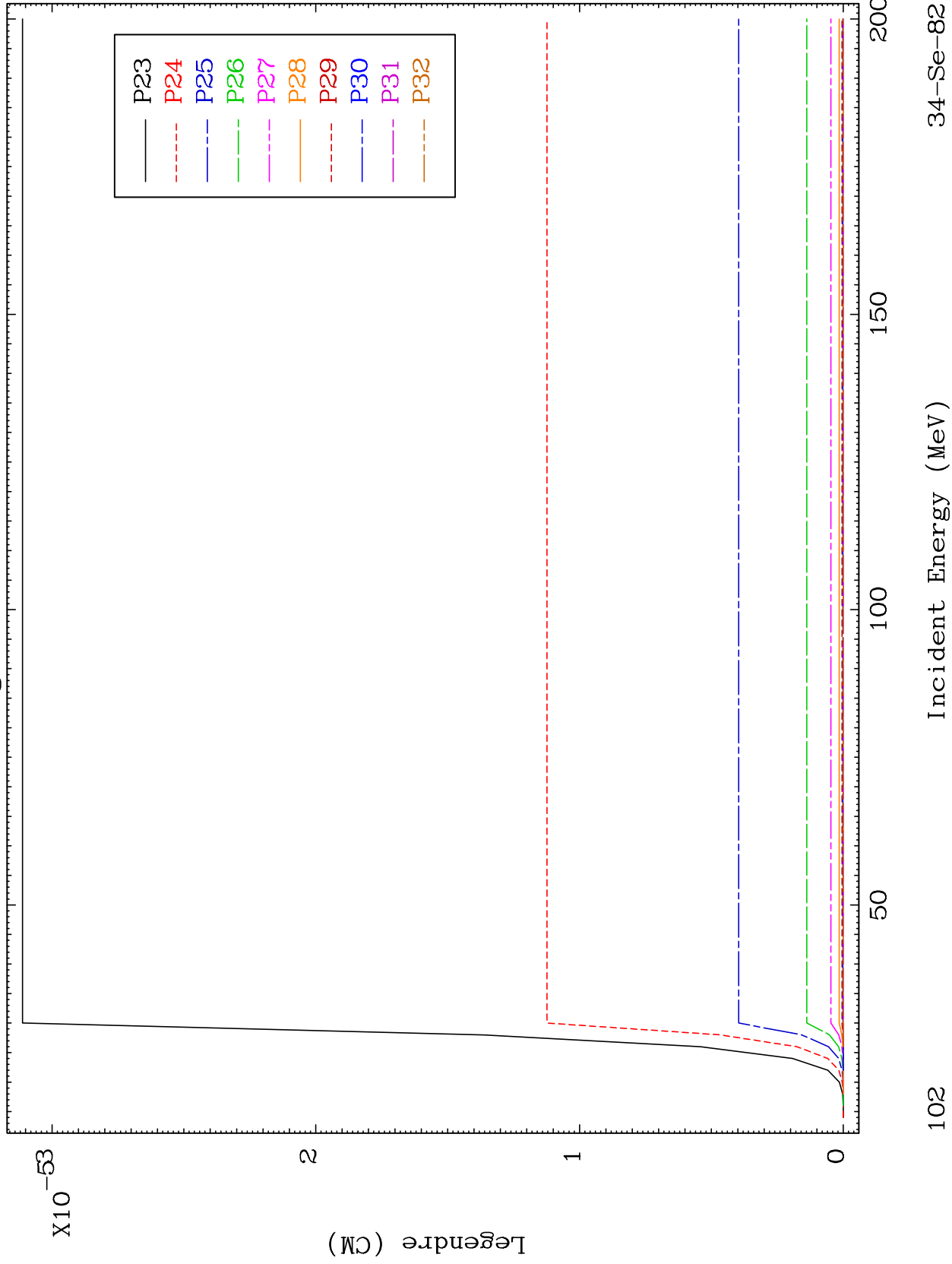
Incident Energy (MeV)

34-Se-82

MAT 3449

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

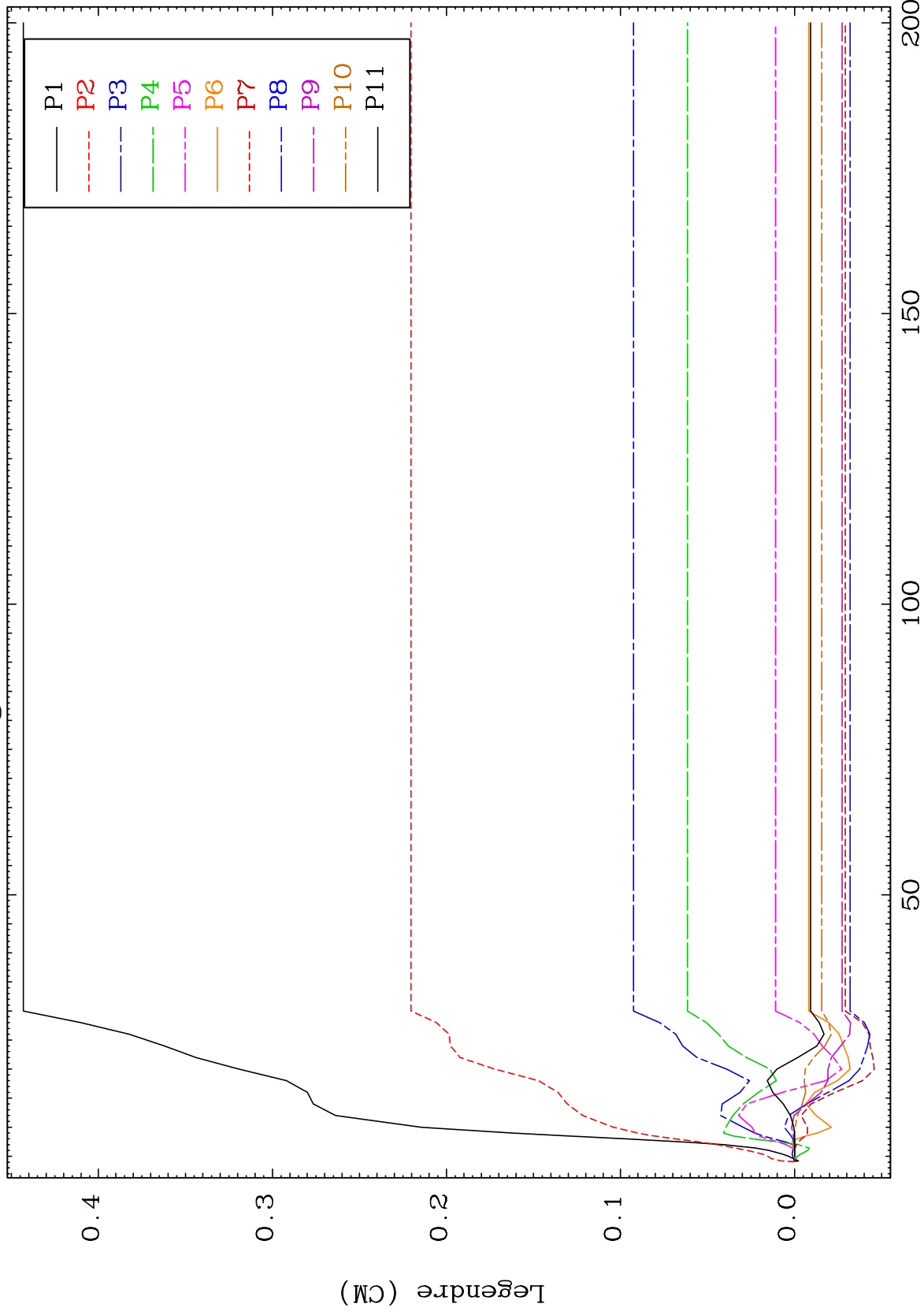
<sup>34</sup>Se-82



MAT 3449

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

<sup>34</sup>Se-82



103

Incident Energy (MeV)

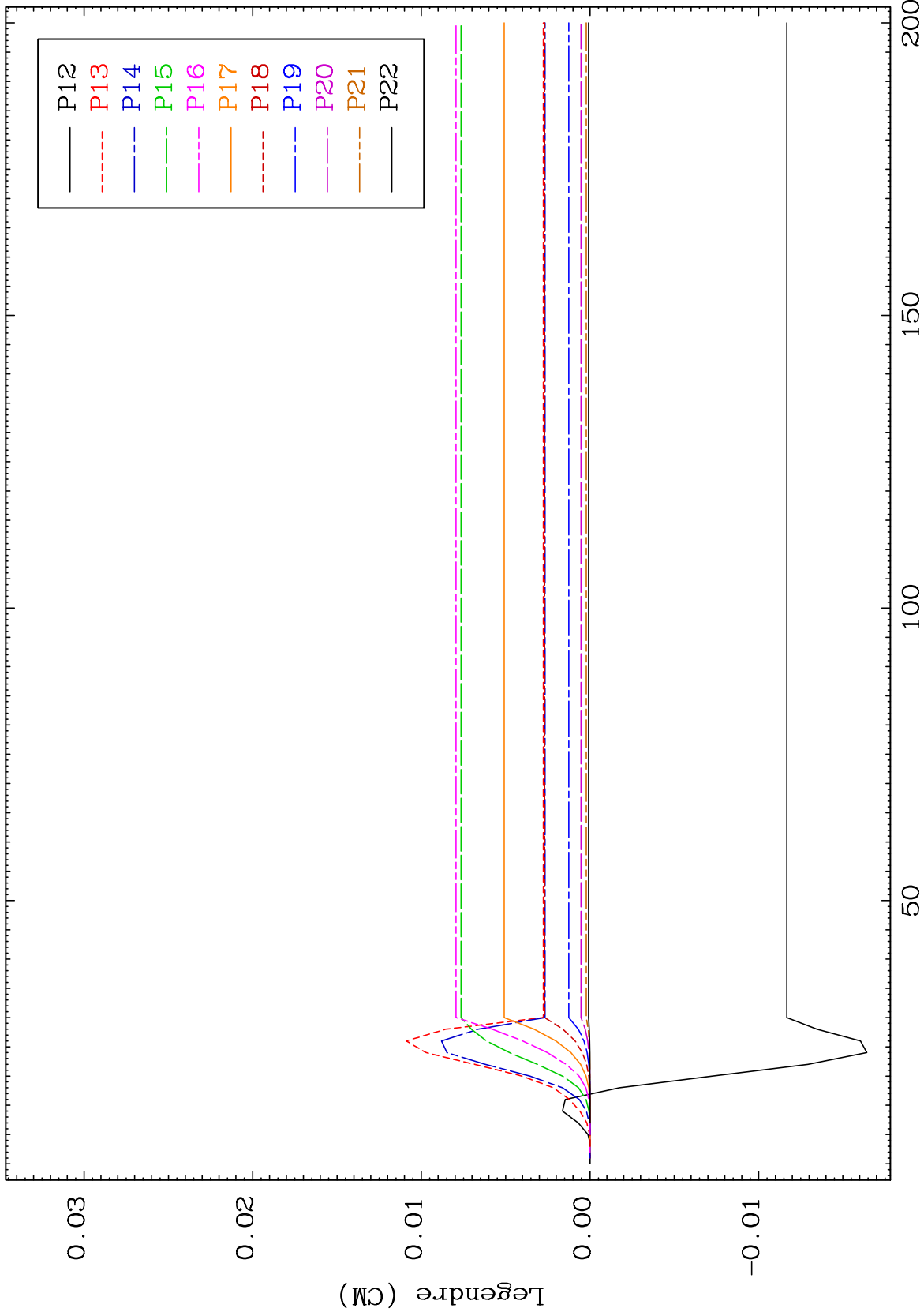
<sup>34</sup>Se-82



MAT 3449

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

34-Se-82



104

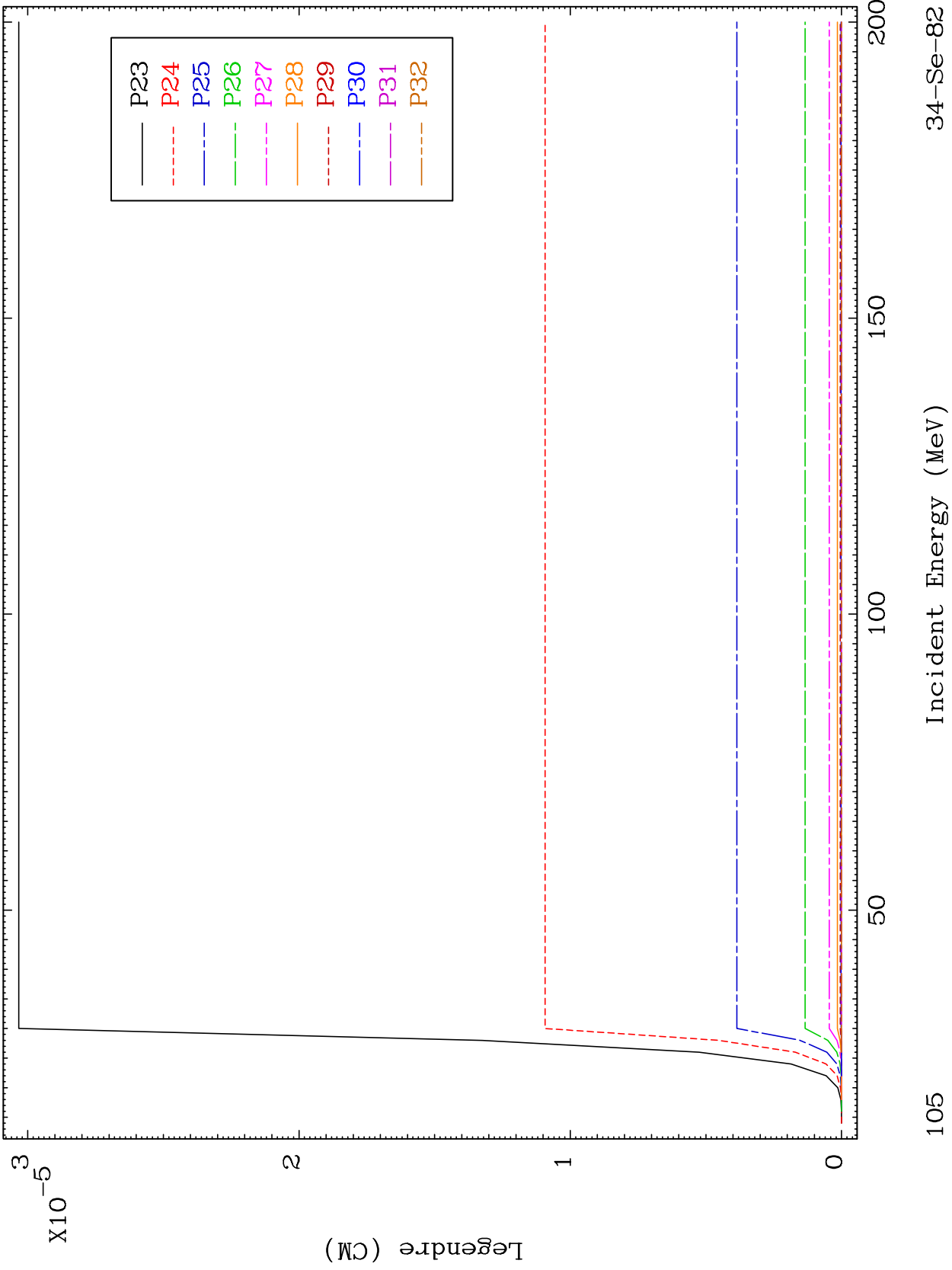
Incident Energy (MeV)

34-Se-82

MAT 3449

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

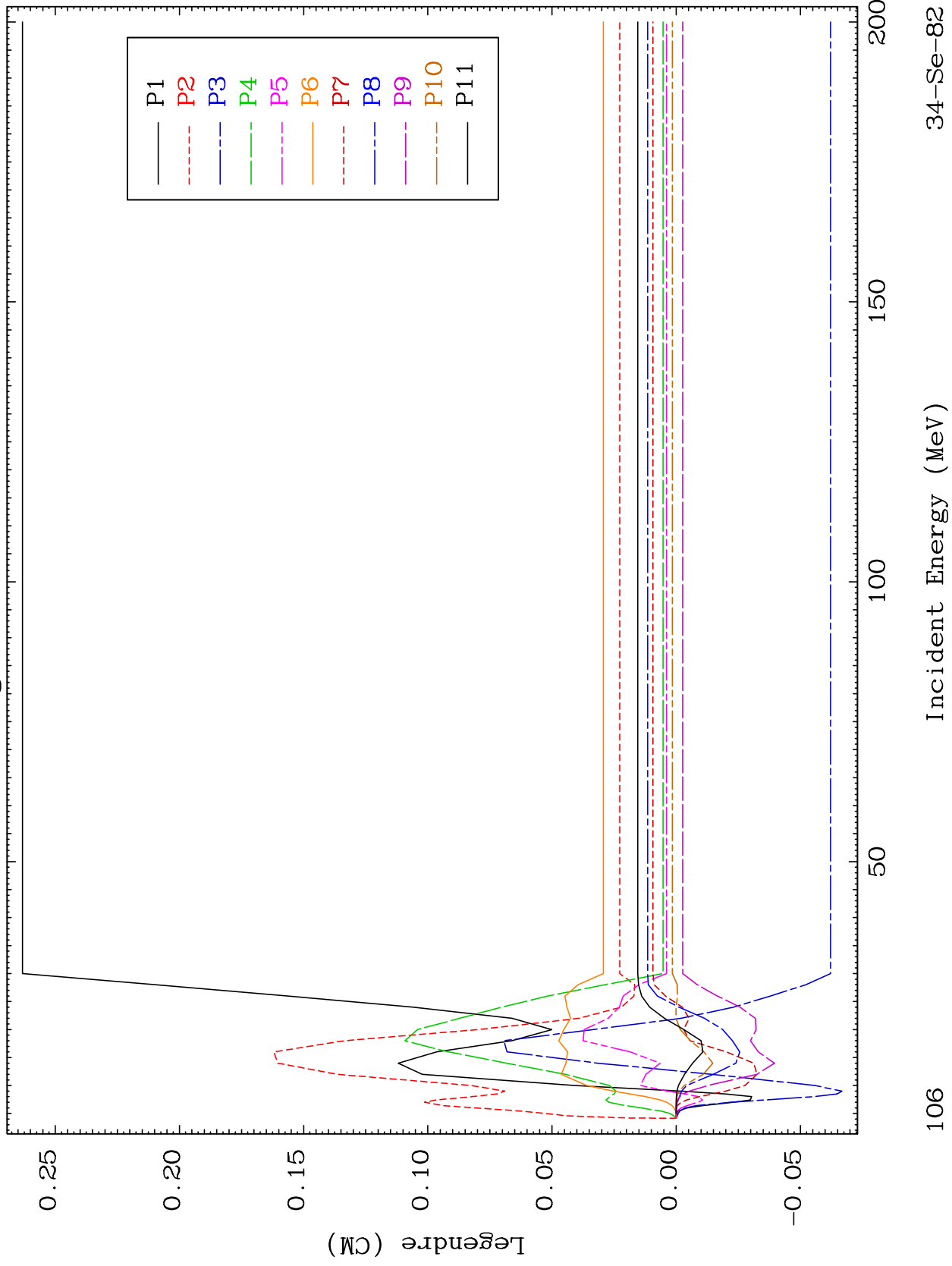
<sup>34</sup>Se-82



MAT 3449

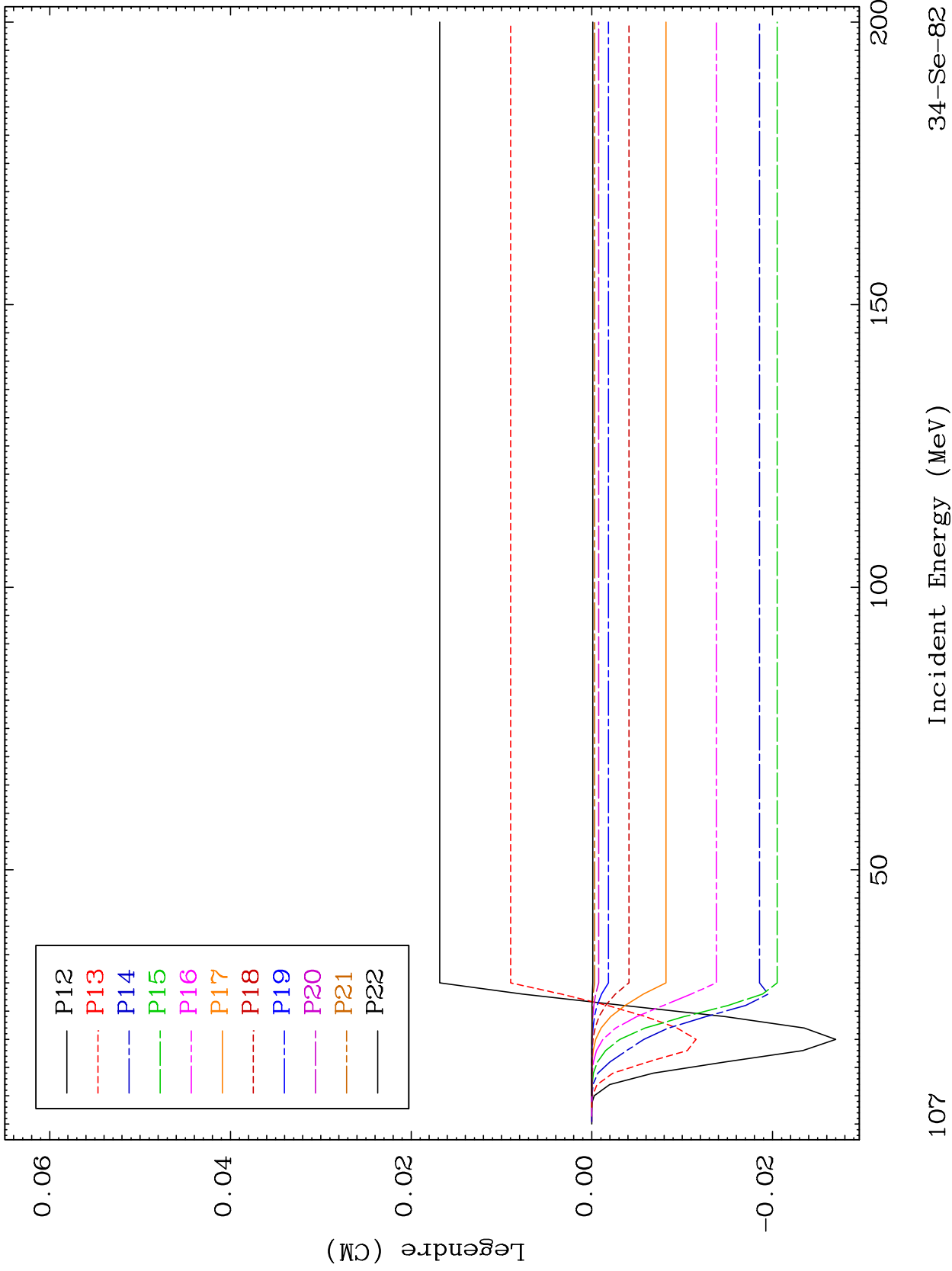
MT= 78 (n,n') Level  
Legendre Coefficients

<sup>34</sup>Se-82



106

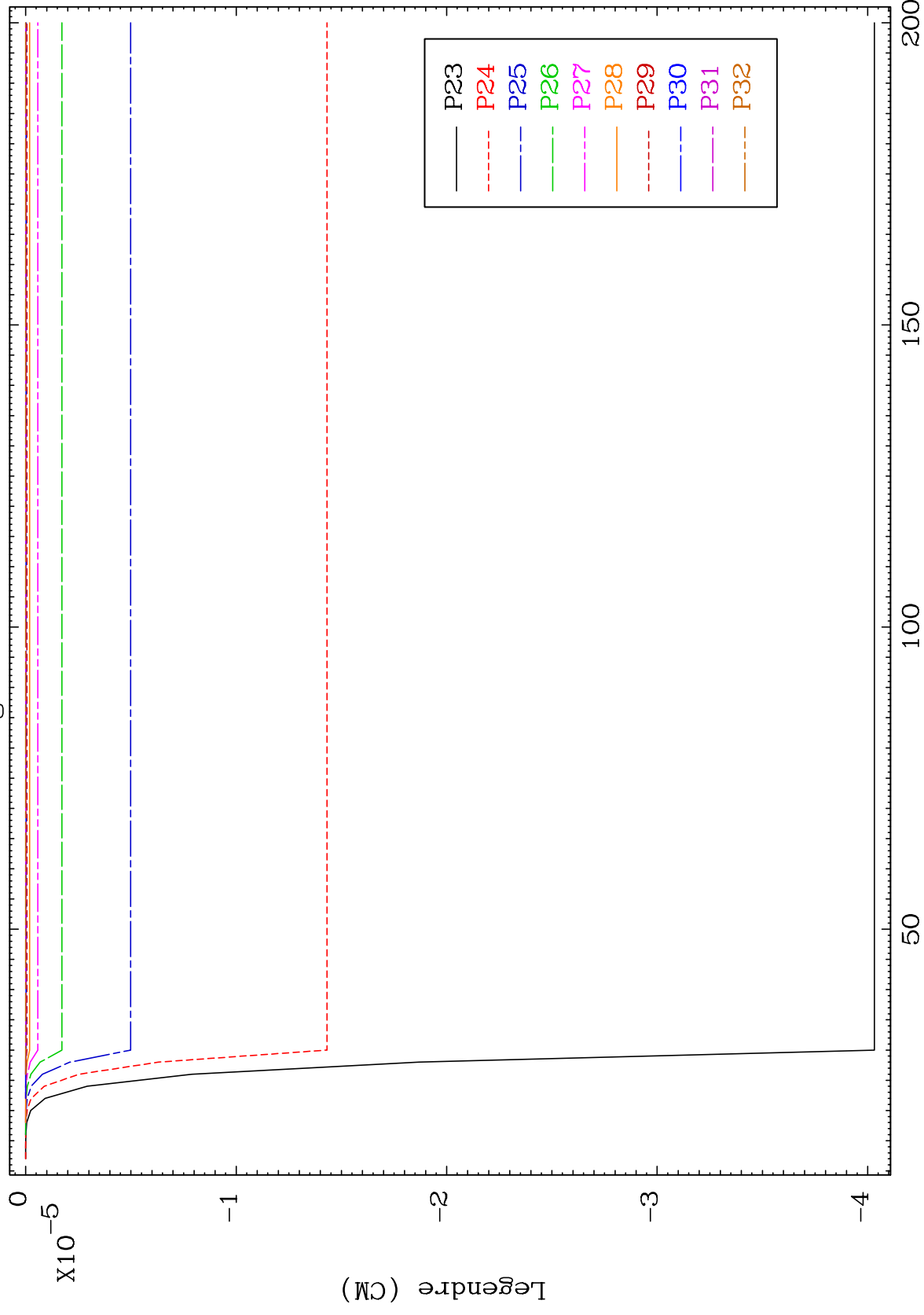
<sup>34</sup>Se-82



MAT 3449

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

<sup>34</sup>Se-82



108

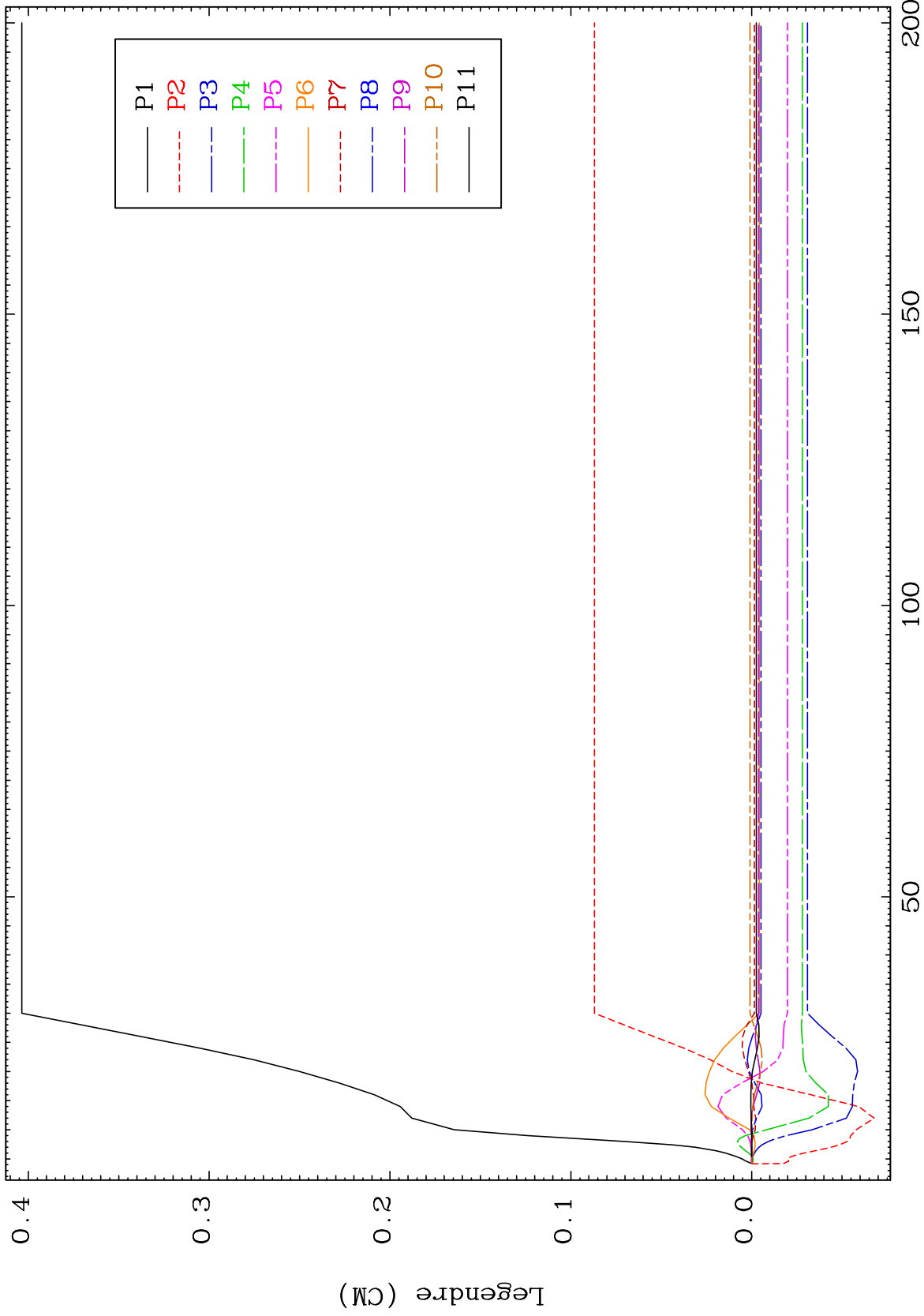
Incident Energy (MeV)

<sup>34</sup>Se-82

MAT 3449

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

34-Se-82



109

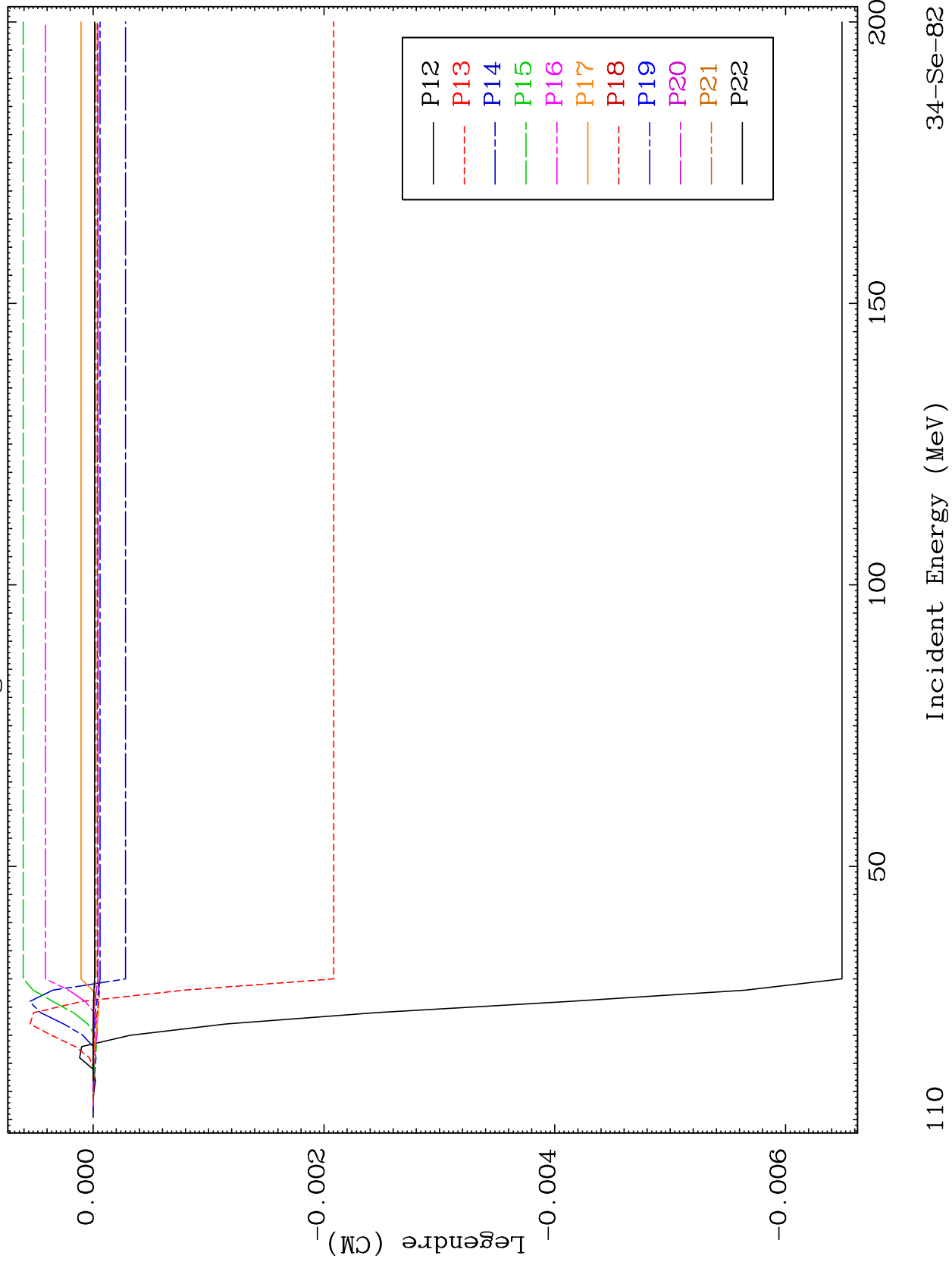
Incident Energy (MeV)

34-Se-82

MAT 3449

34-Se-82

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



110

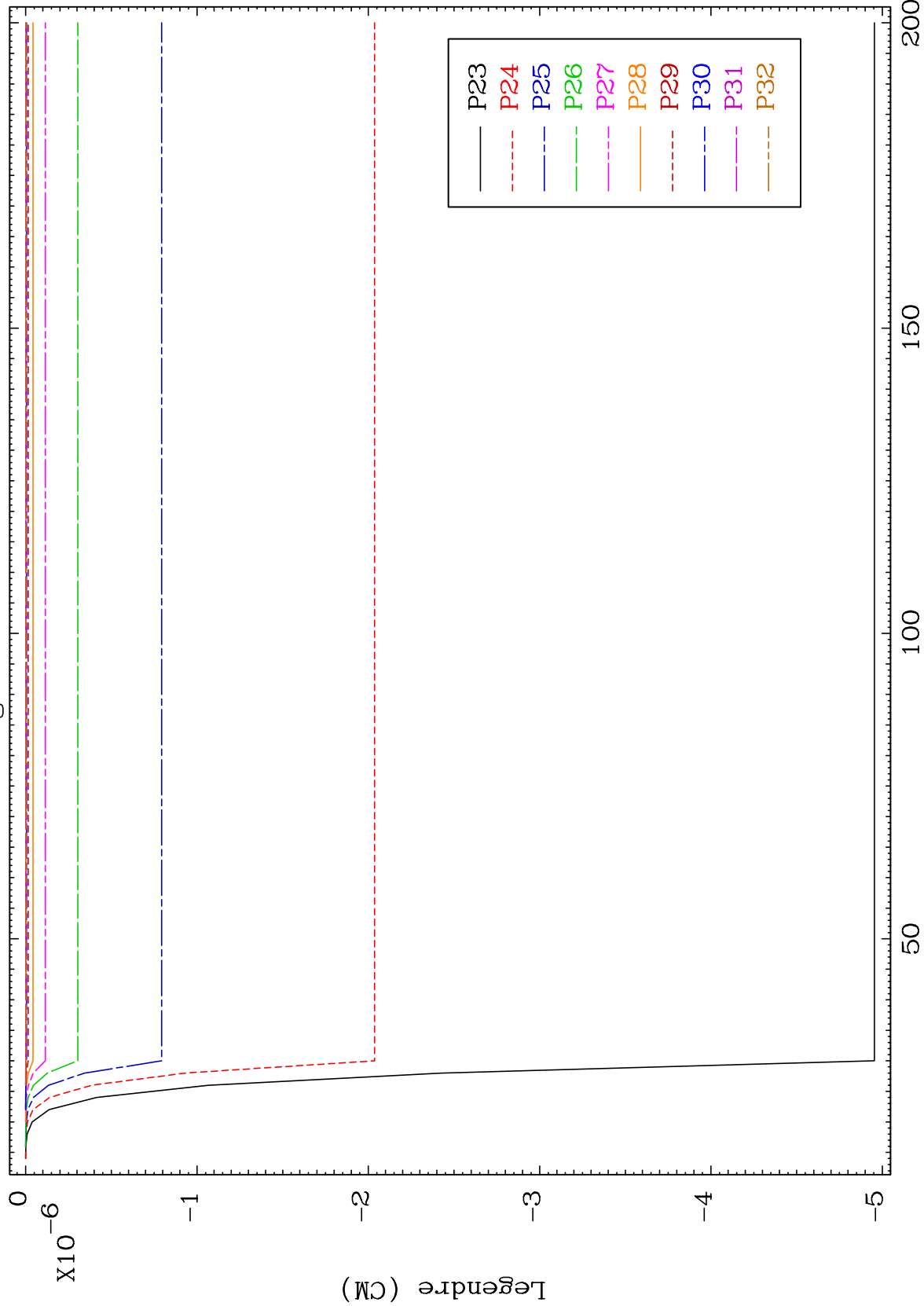
Incident Energy (MeV)

34-Se-82

MAT 3449

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

34-Se-82



111

Incident Energy (MeV)

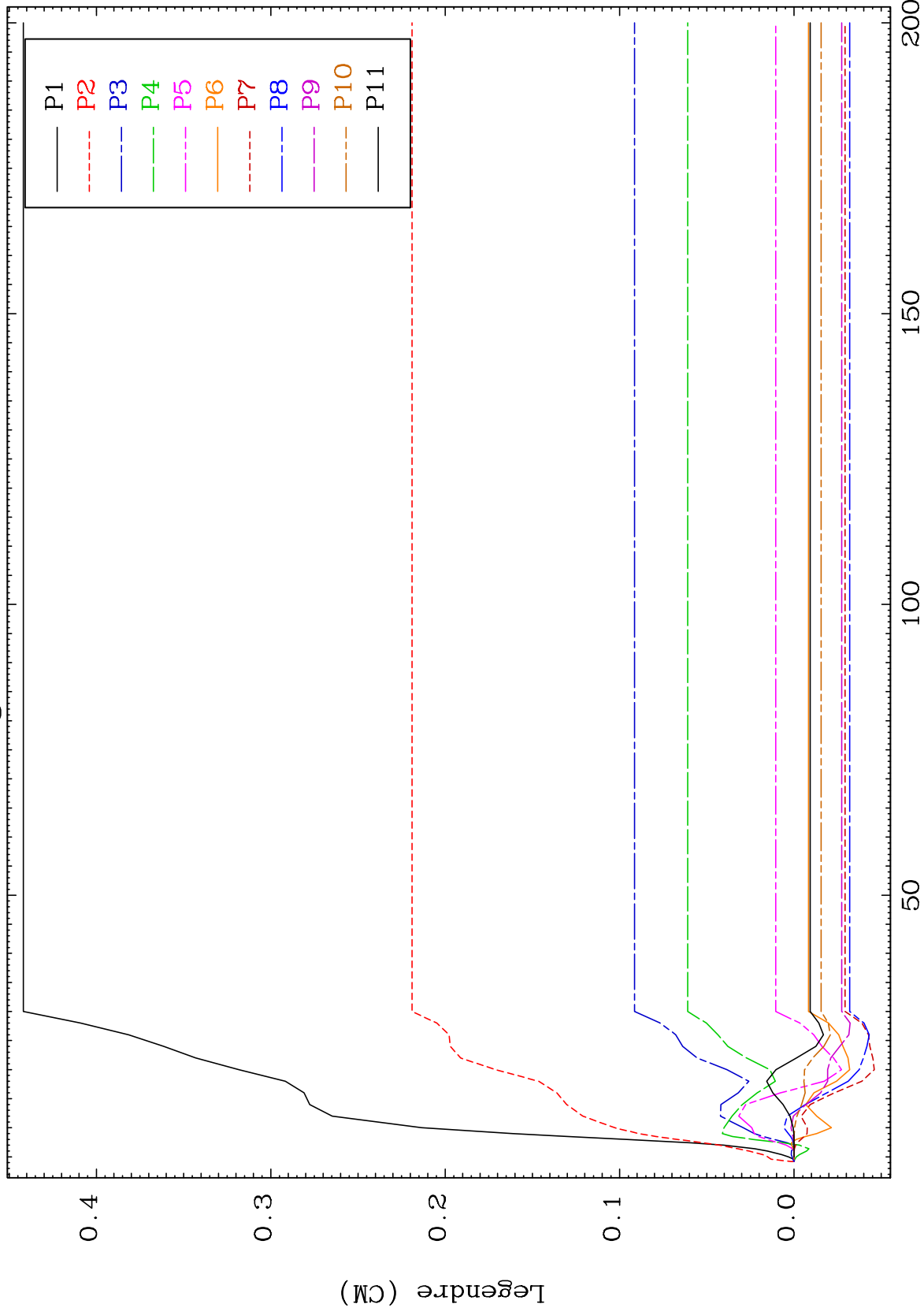
34-Se-82



MAT 3449

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

<sup>34</sup>Se-82



112

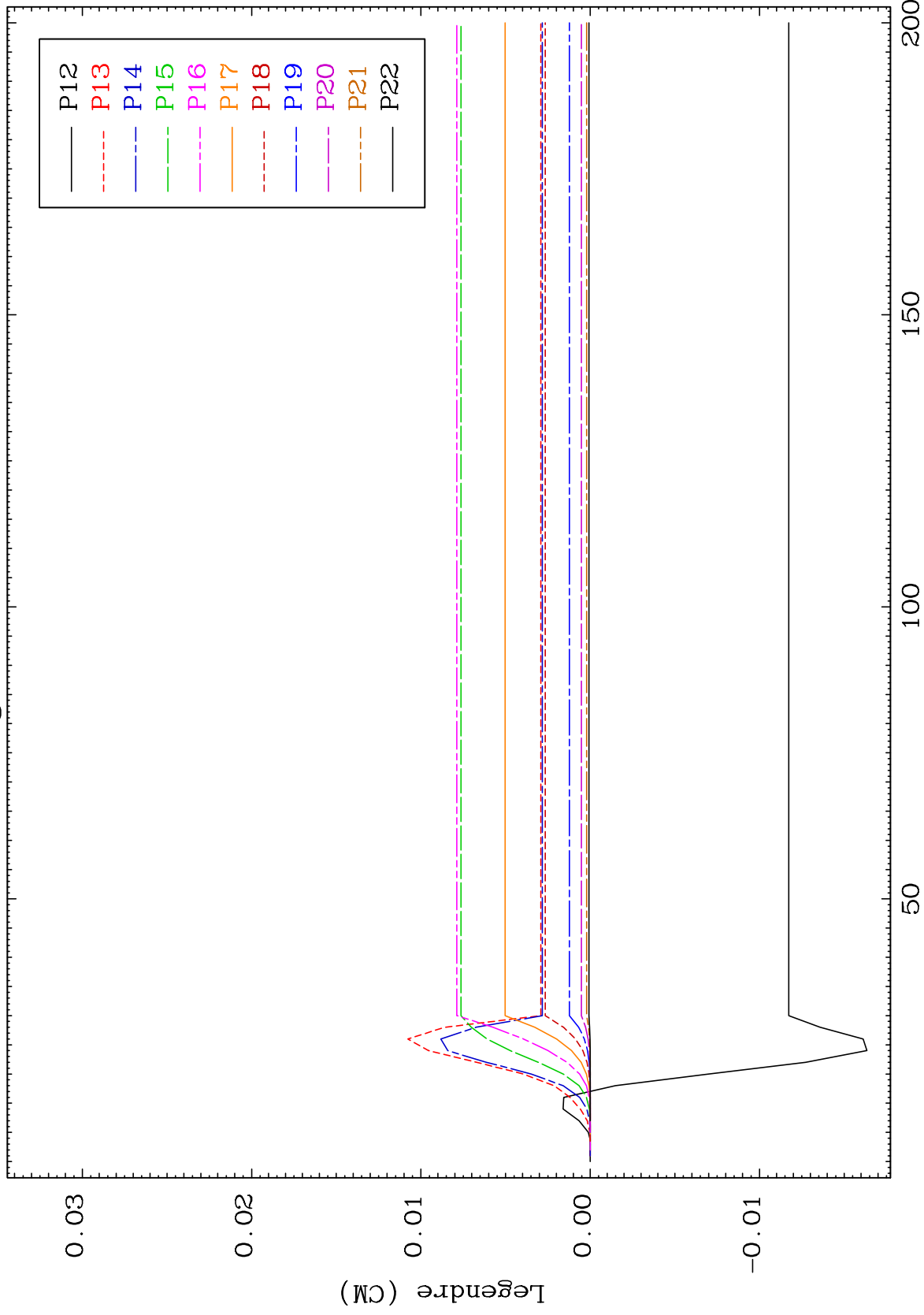
Incident Energy (MeV)

<sup>34</sup>Se-82

MAT 3449

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

34-Se-82



113

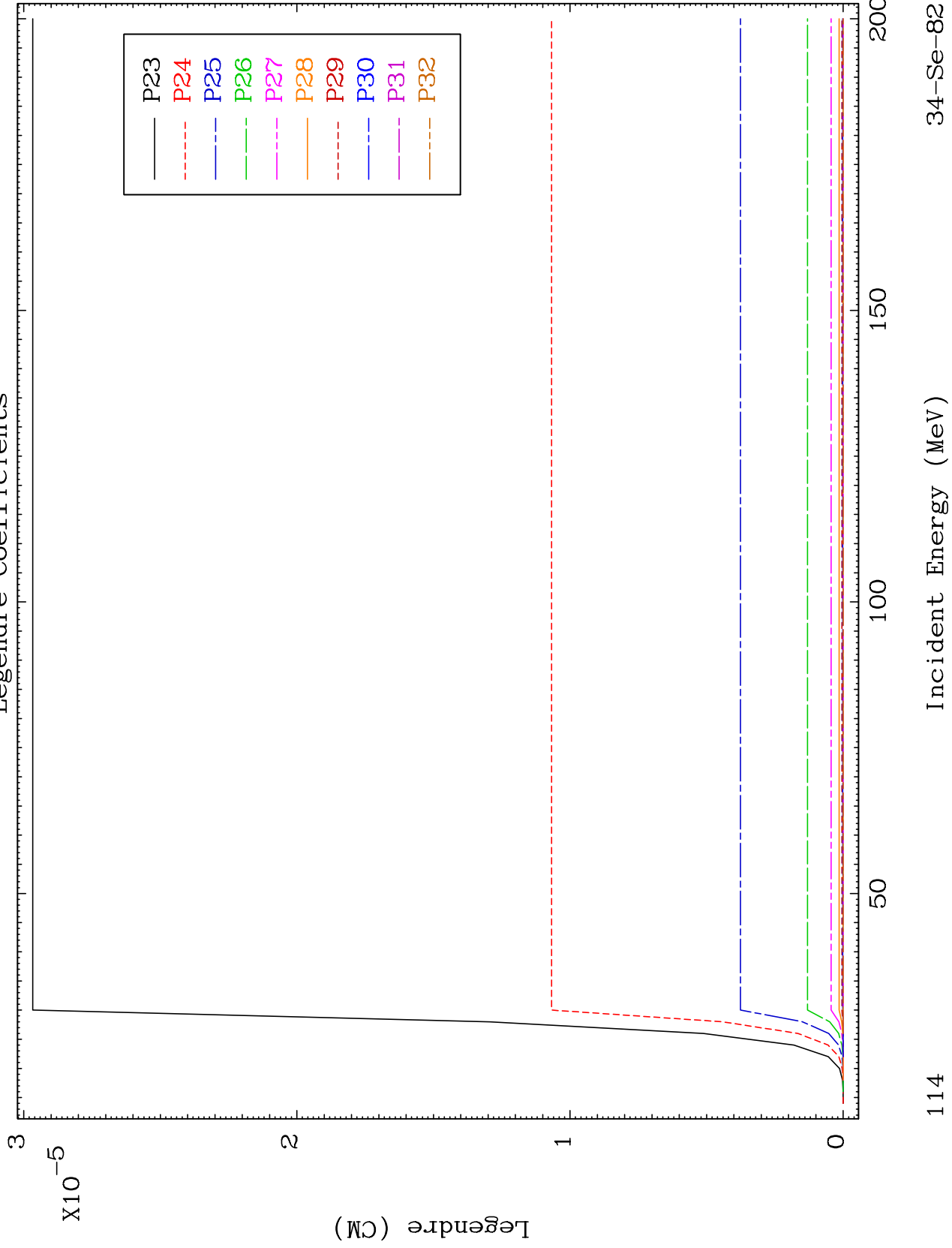
Incident Energy (MeV)

34-Se-82

MAT 3449

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

<sup>34</sup>Se-82



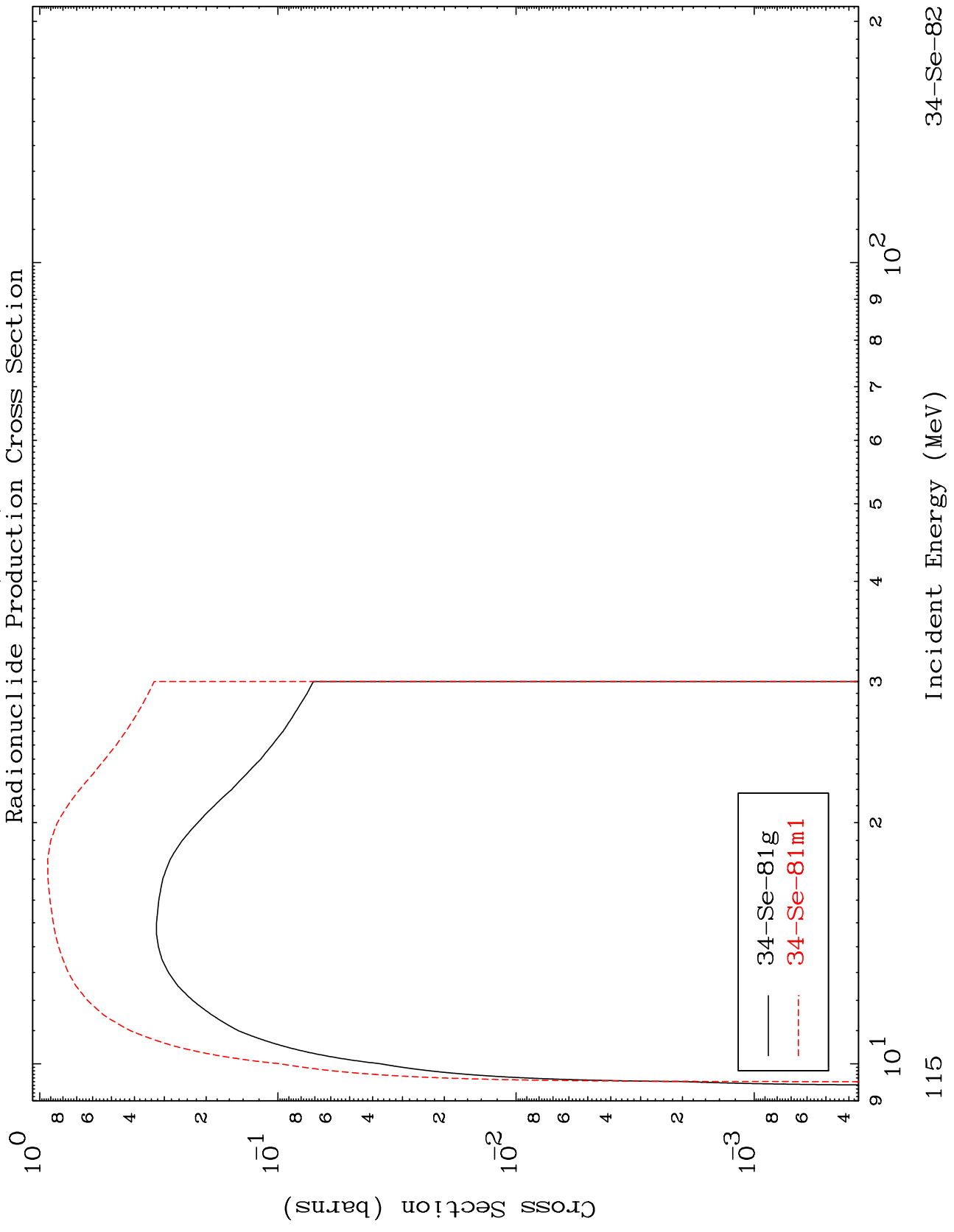
114

Incident Energy (MeV)

<sup>34</sup>Se-82

MAT 3449

<sup>34</sup>Se-82



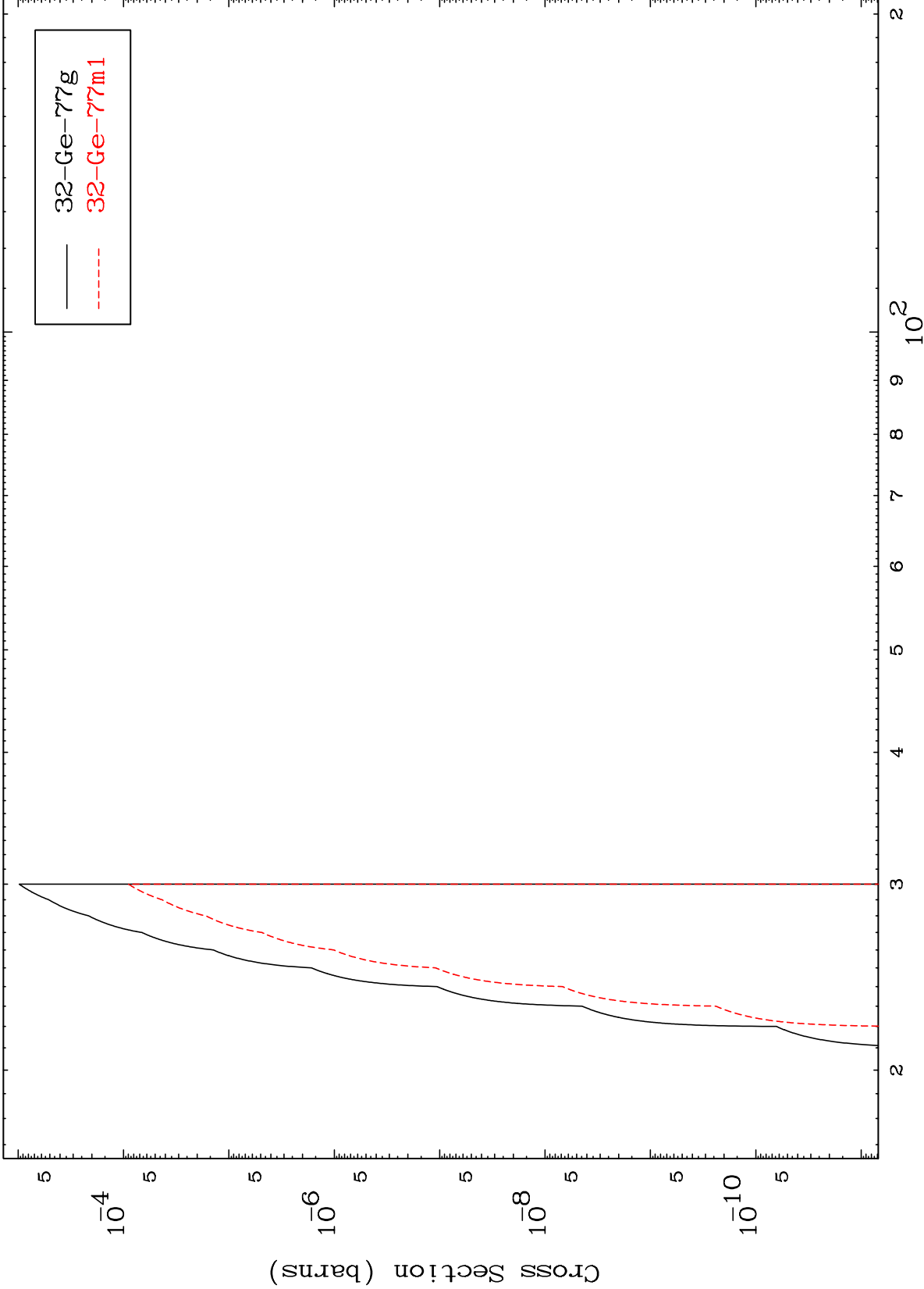
115

MAT 3449

$(n,2n) \alpha$

$^{34}\text{Se-82}$

Radionuclide Production Cross Section



116

Incident Energy (MeV)

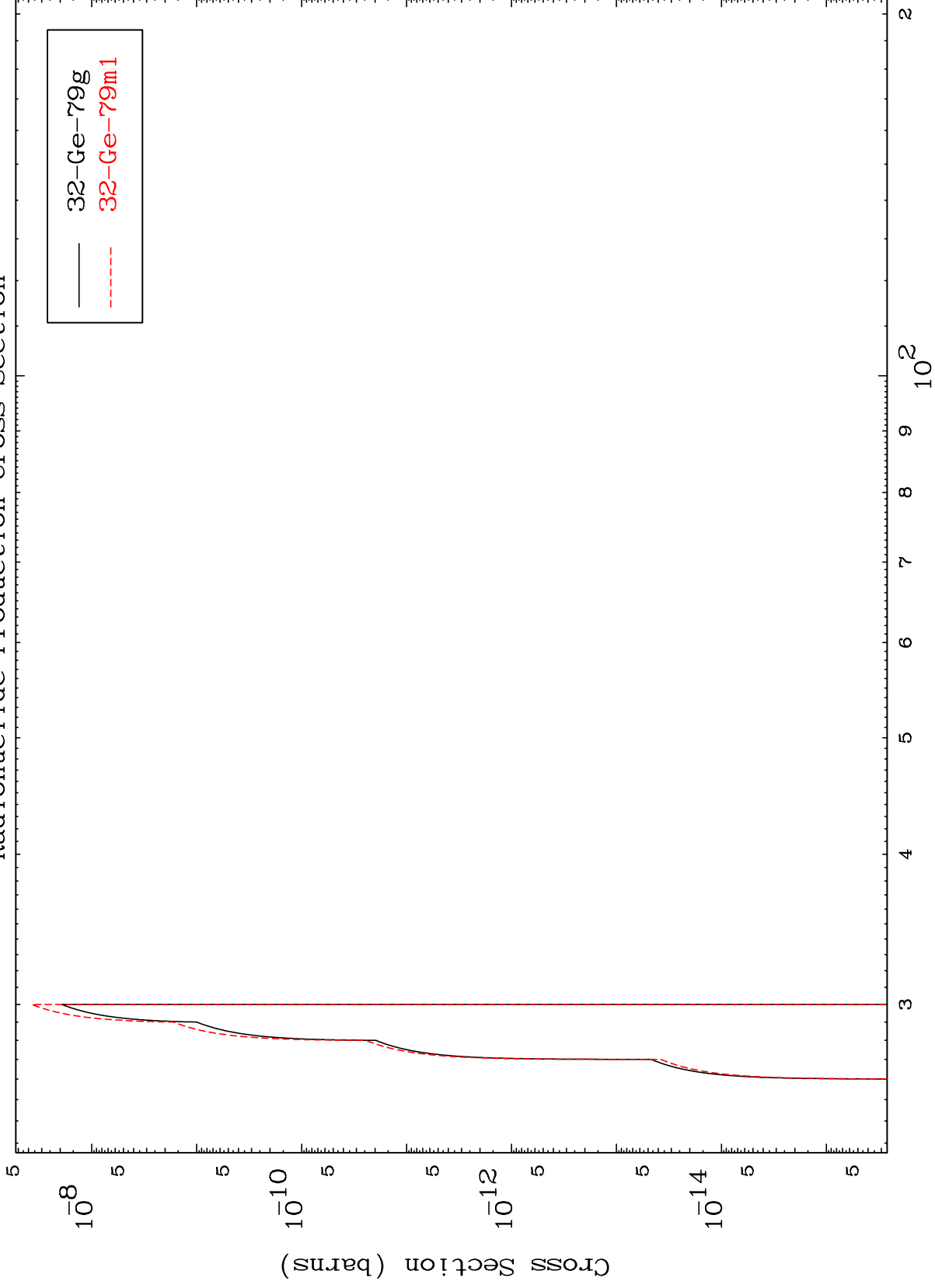
$^{34}\text{Se-82}$

MAT 3449

(n,n') He-3

34-Ge-82

Radionuclide Production Cross Section



117

Incident Energy (MeV)

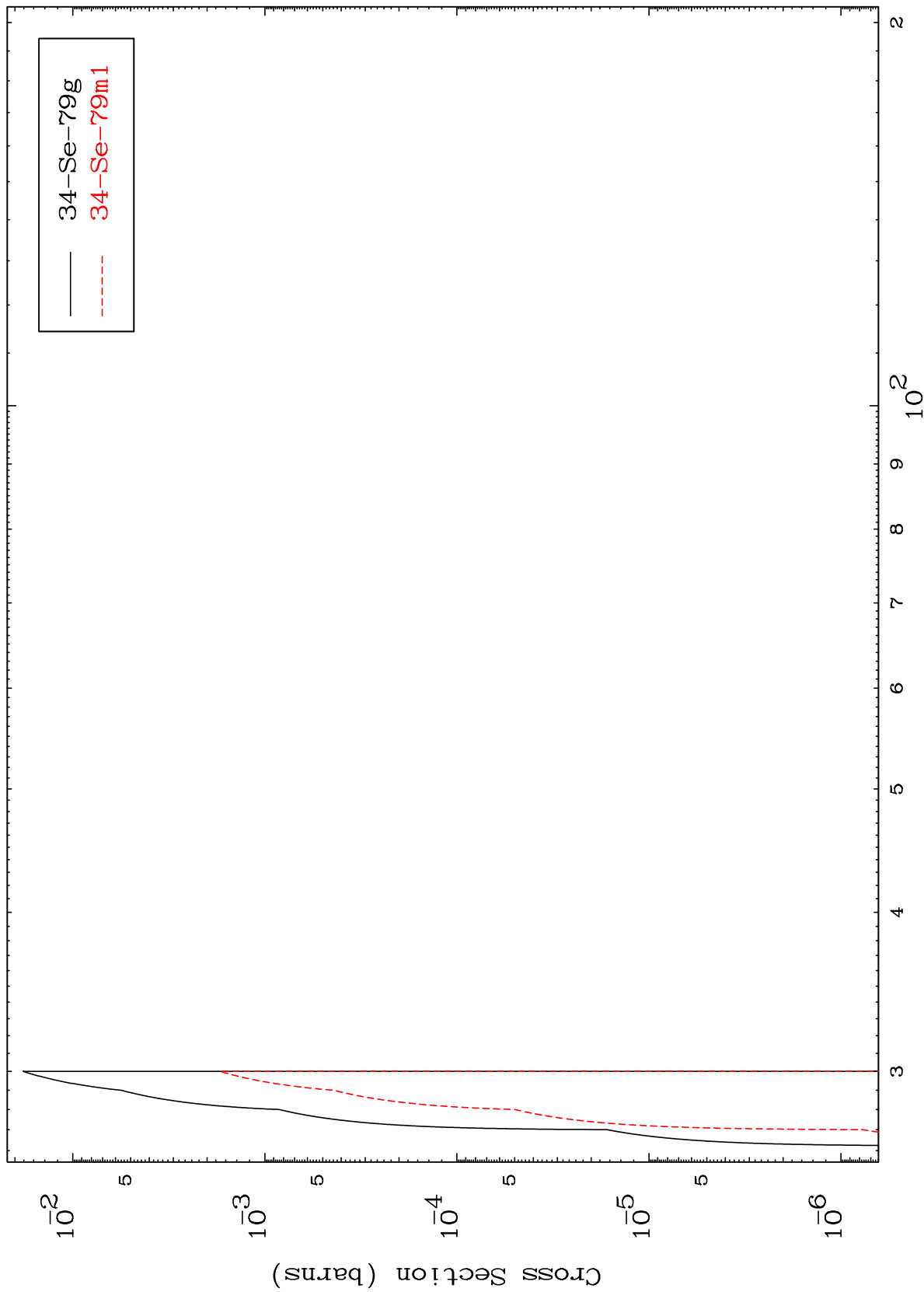
34-Ge-82

MAT 3449

<sup>34</sup>Se-82

(n,4n)

Radionuclide Production Cross Section



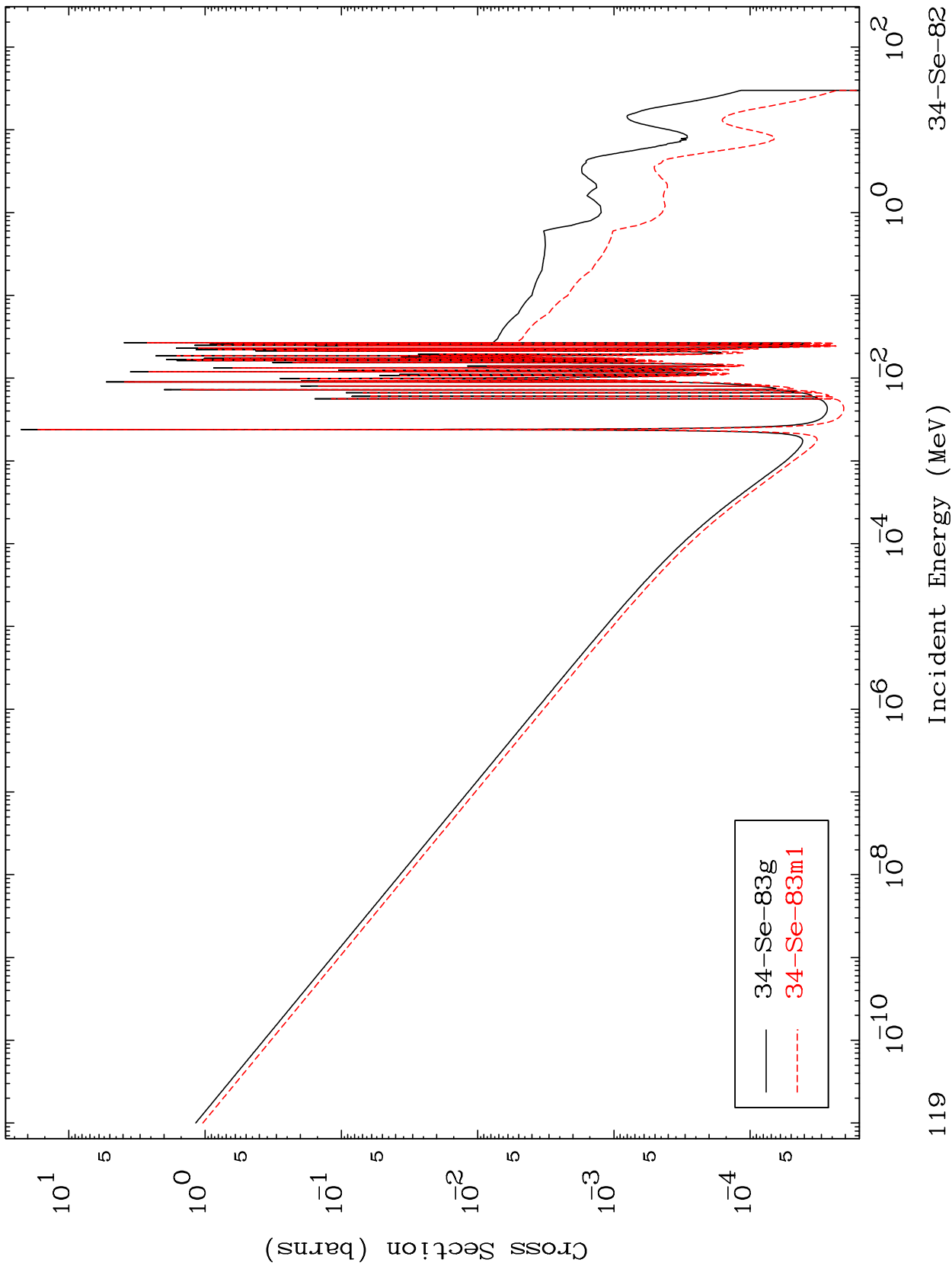
118

<sup>34</sup>Se-82

MAT 3449

<sup>34</sup>Se-82

(n,γ)  
Radionuclide Production Cross Section

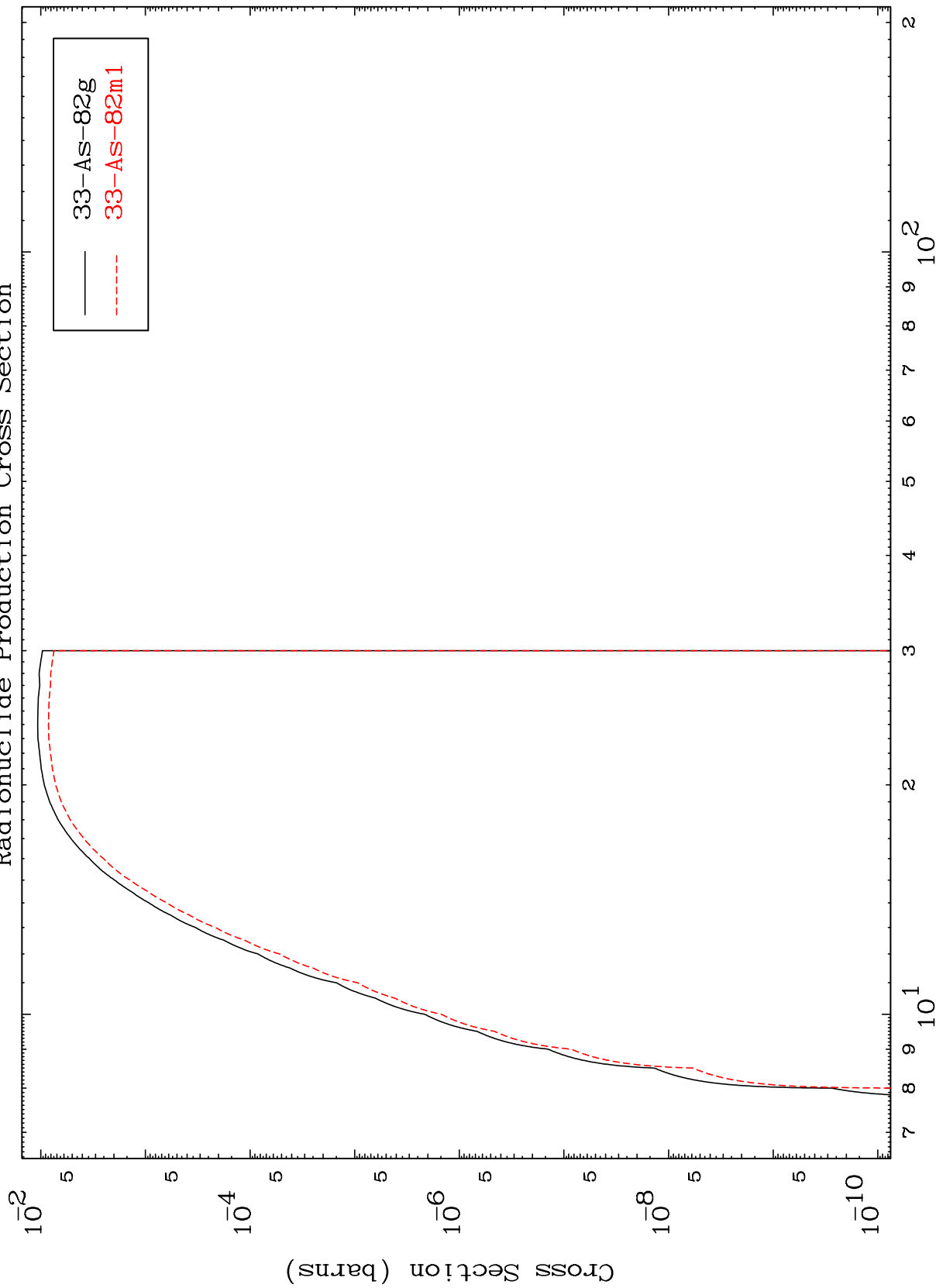




MAT 3449

34-Se-82

(n,p)  
Radionuclide Production Cross Section



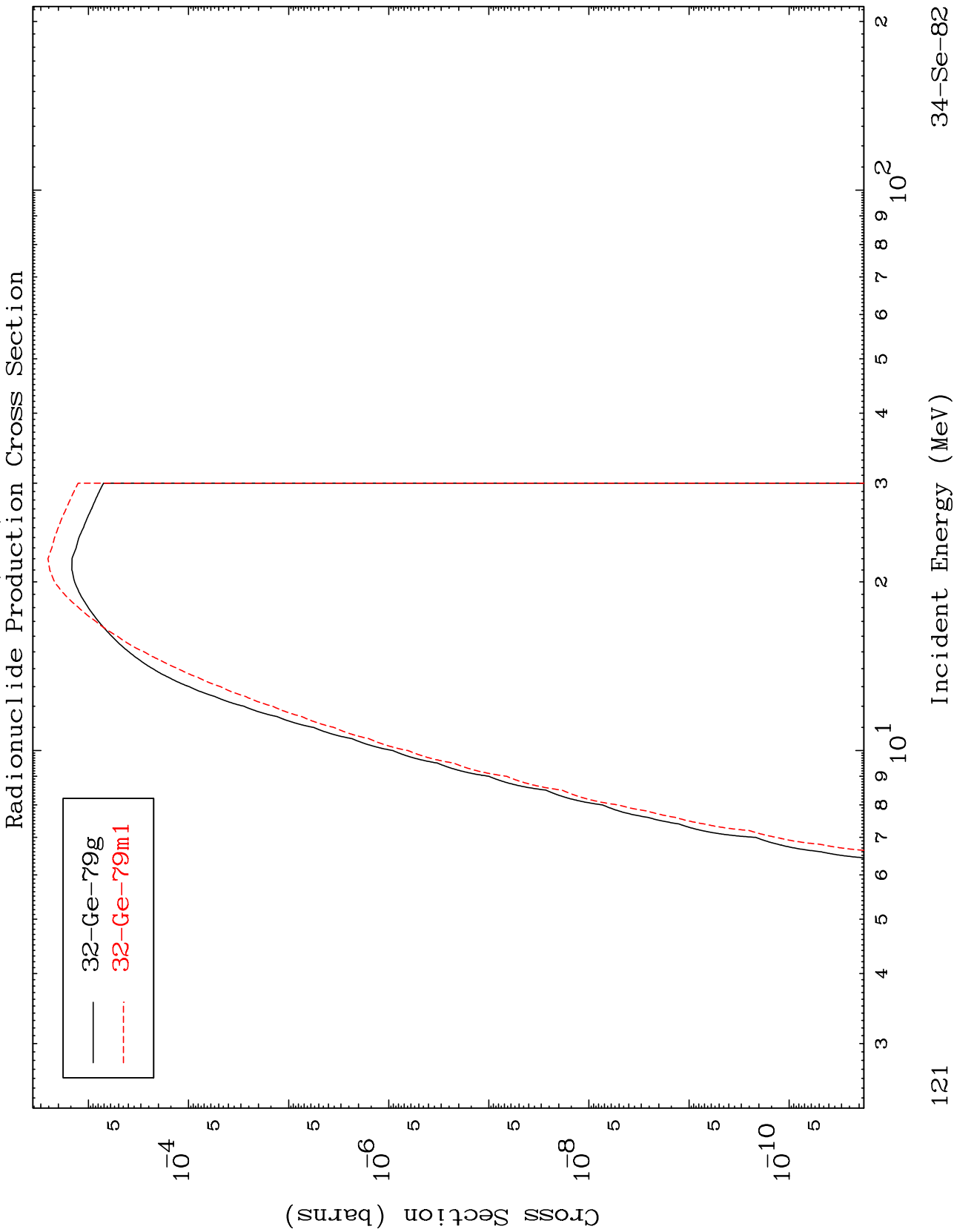
34-Se-82

Incident Energy (MeV)

120

MAT 3449

<sup>34</sup>Se-82

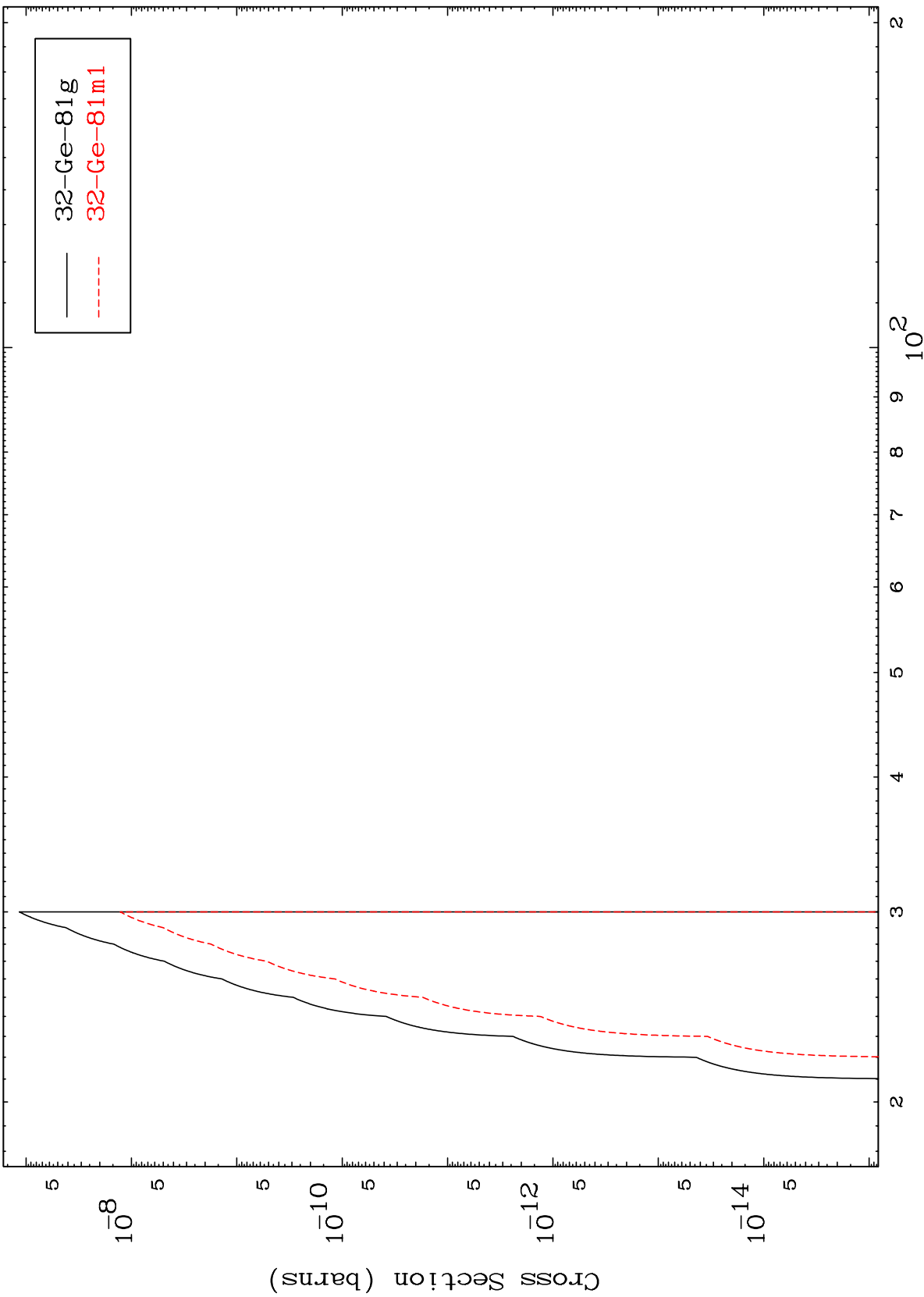


— 32-Ge-79g  
- - - 32-Ge-79m1

MAT 3449

34-<sup>Se</sup>-82

(n,2p)  
Radionuclide Production Cross Section



32-<sup>Ge</sup>-81g  
32-<sup>Ge</sup>-81m1

122

Incident Energy (MeV)

34-<sup>Se</sup>-82