

Program EVALPLOT  
(Version 2021-1)

by

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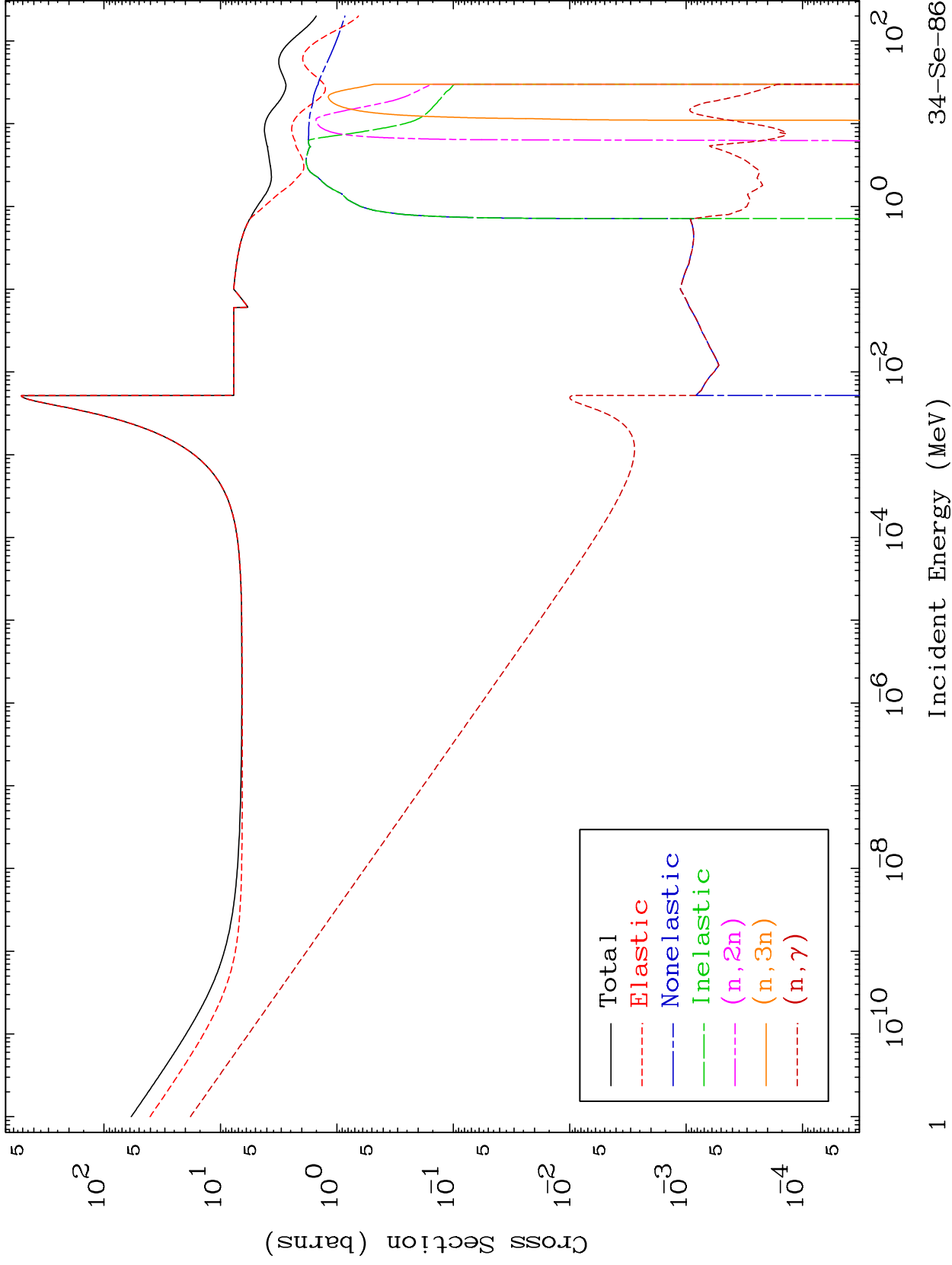
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 3461

Neutron Major  
293 Kelvin Cross Sections

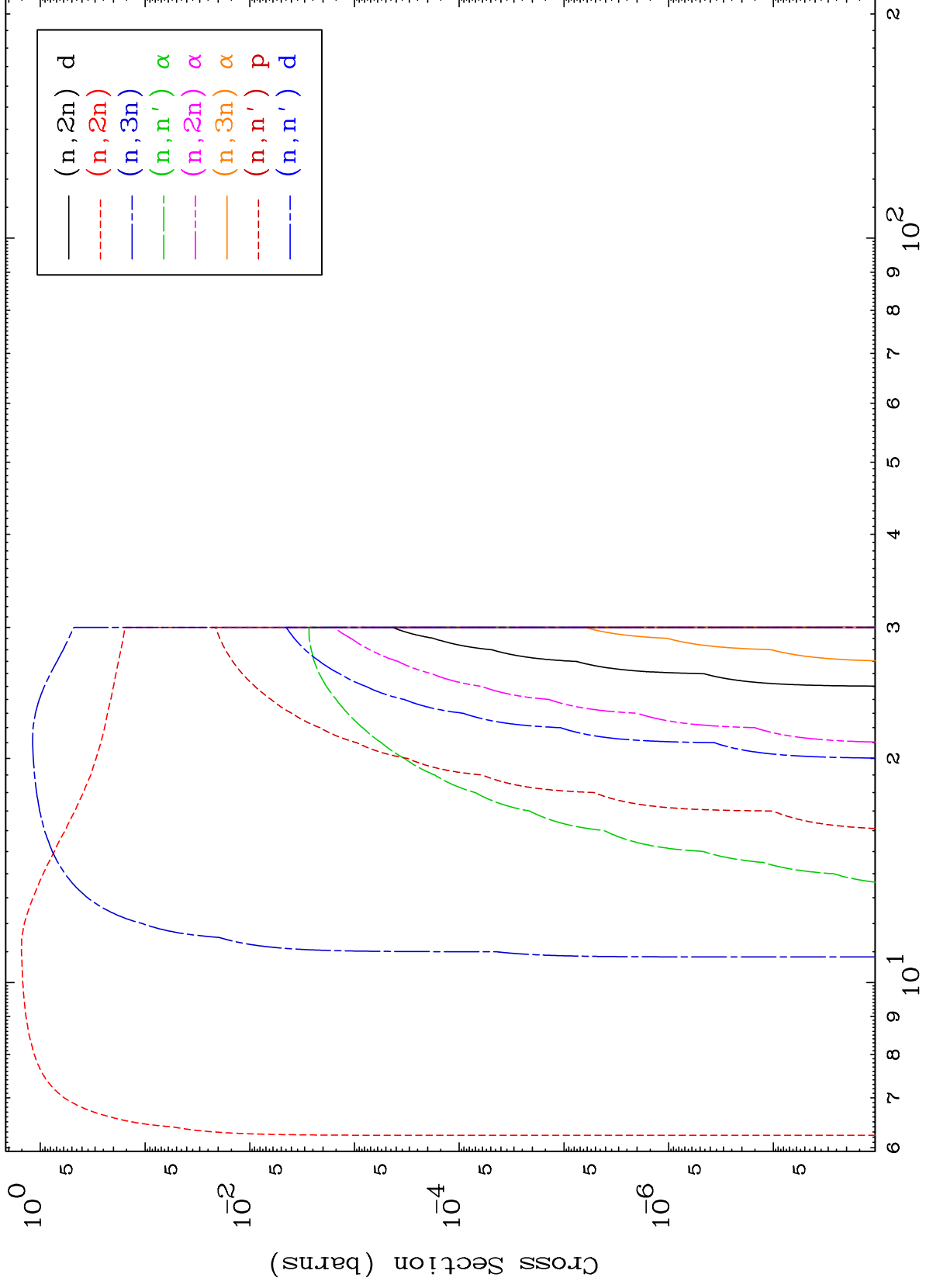
<sup>34</sup>Se-86



MAT 3461

Neutron Absorption  
293 Kelvin Cross Sections

34-Se-86



2

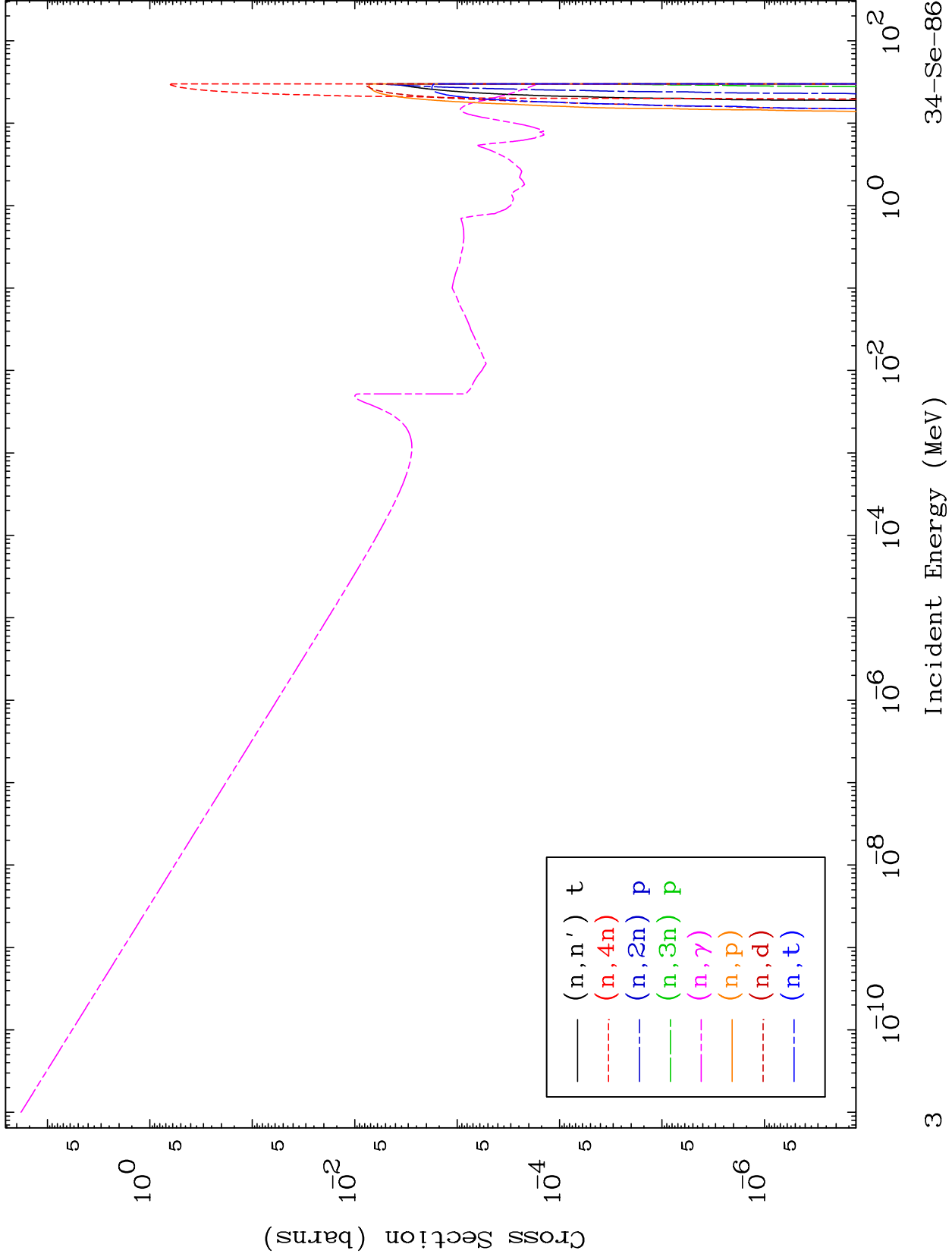
Incident Energy (MeV)

34-Se-86

MAT 3461

Neutron Absorption  
293 Kelvin Cross Sections

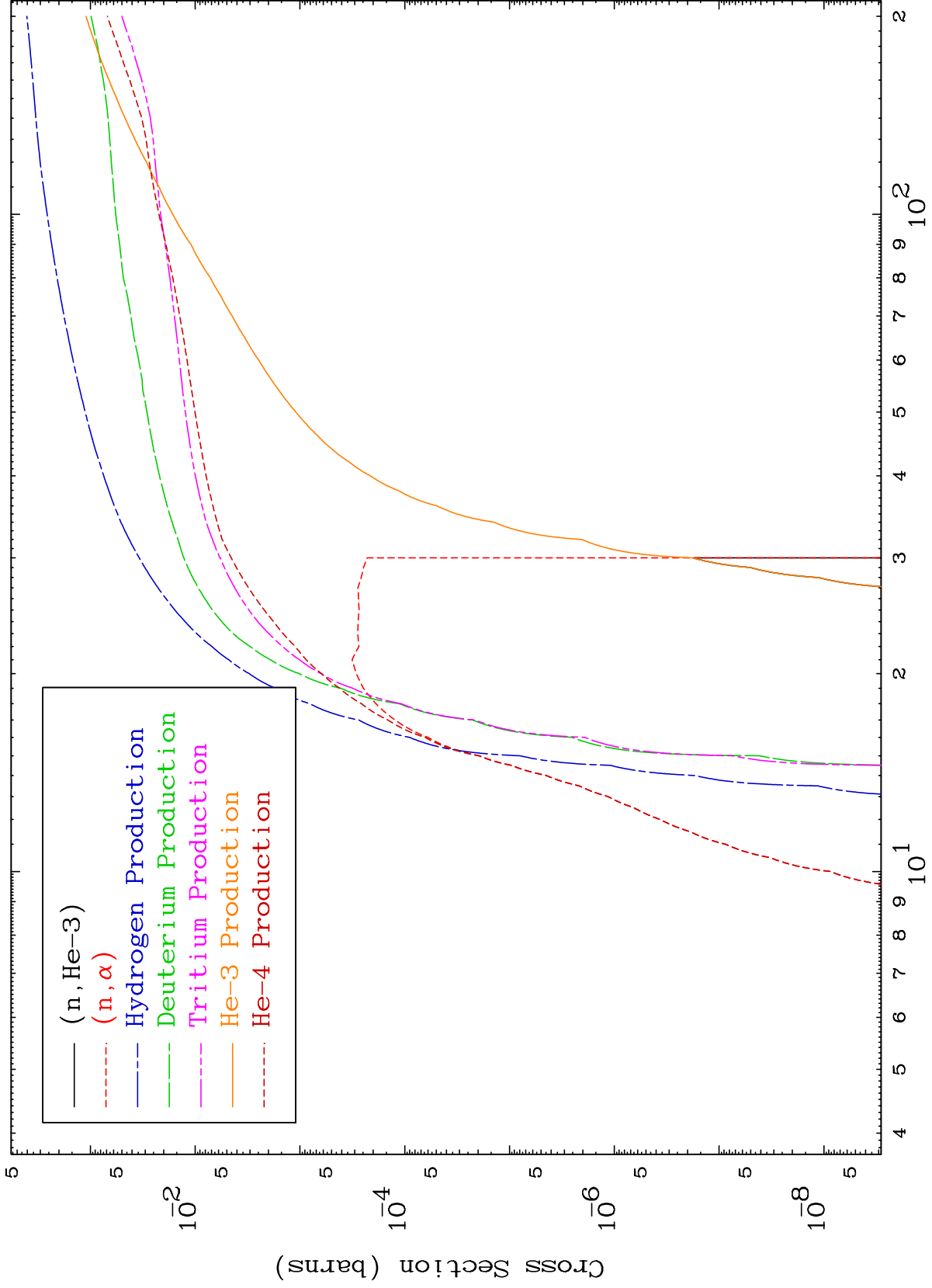
34-Se-86



MAT 3461

Neutron Absorption  
293 Kelvin Cross Sections

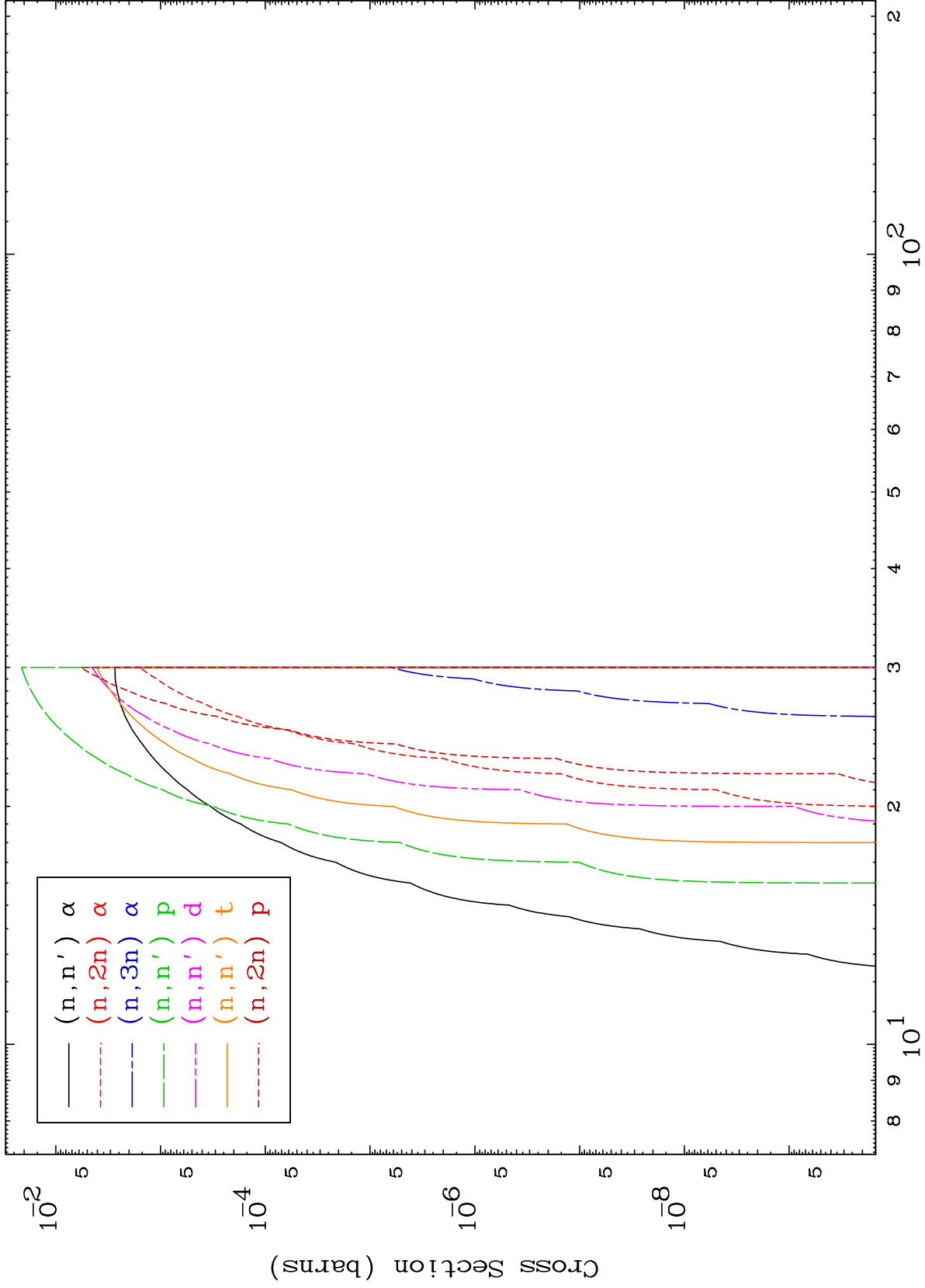
<sup>34</sup>Se-86



4

Incident Energy (MeV)

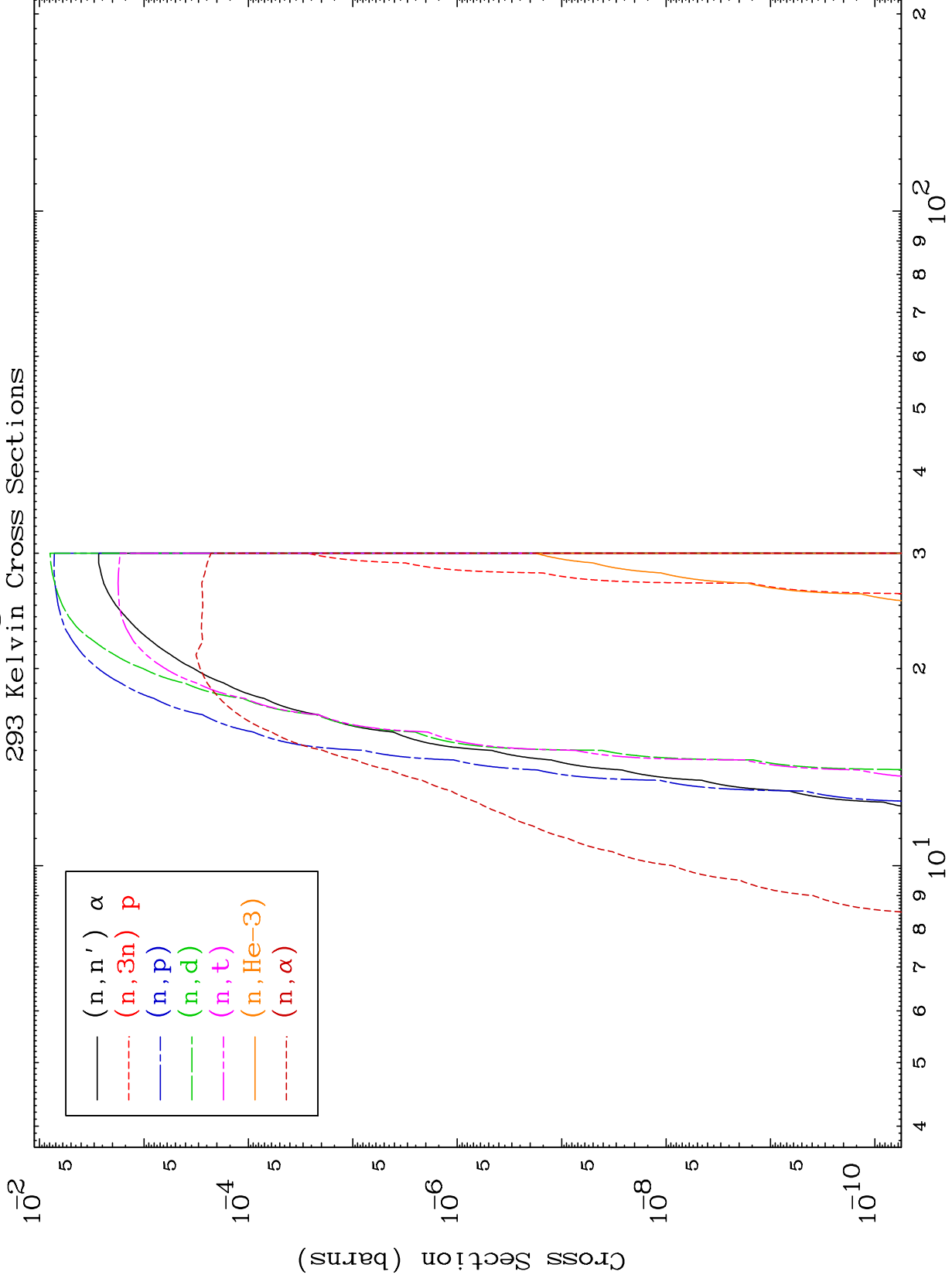
<sup>34</sup>Se-86



MAT 3461

Charged Particle  
293 Kelvin Cross Sections

<sup>34</sup>Se-86



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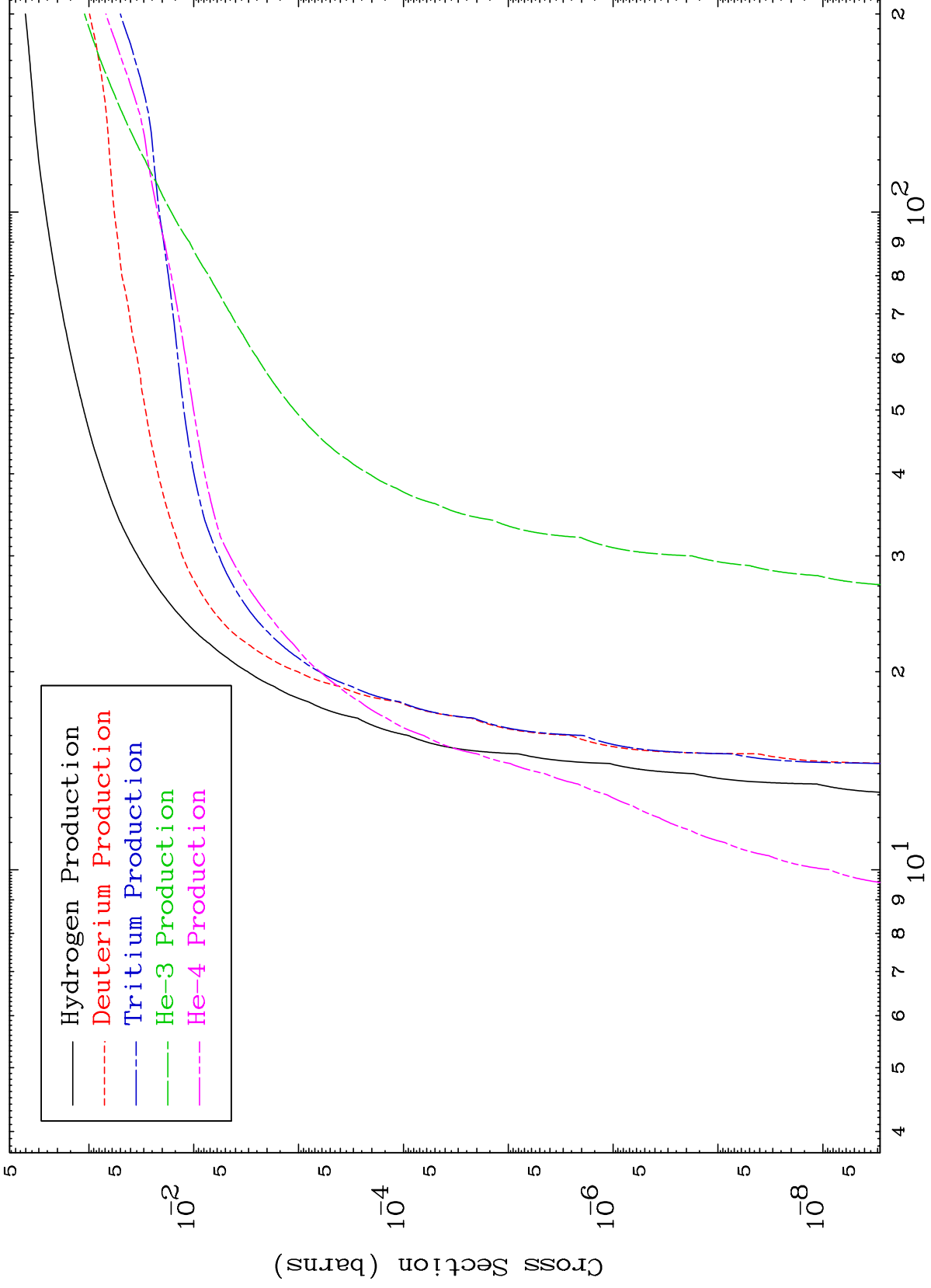
Incident Energy (MeV)

<sup>34</sup>Se-86

MAT 3461

Particle Production  
293 Kelvin Cross Sections

<sup>34</sup>Se-86



7

Incident Energy (MeV)

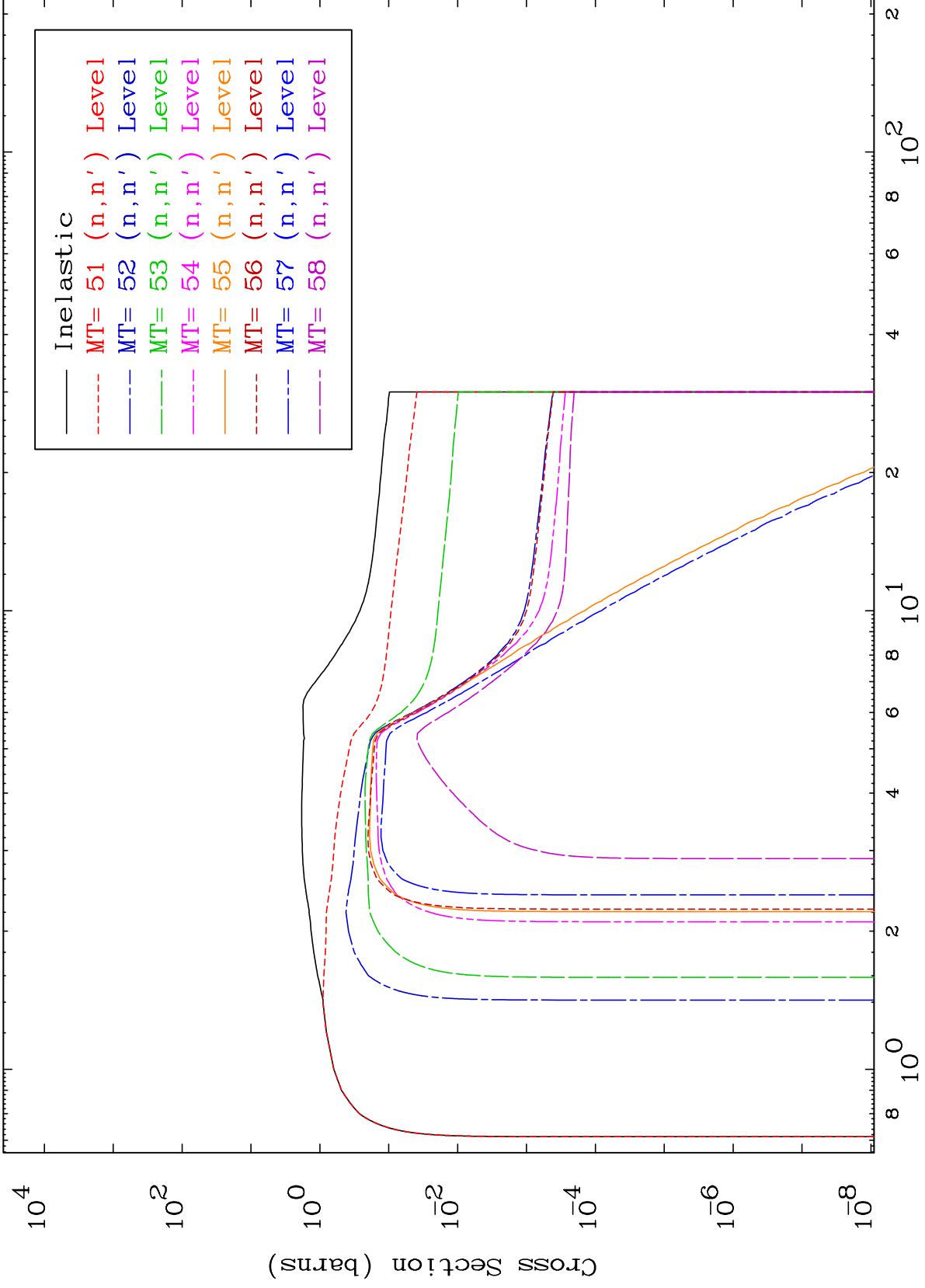
<sup>34</sup>Se-86

MAT 3461

(n,n') Levels

34-Se-86

293 Kelvin Cross Sections



8

Incident Energy (MeV)

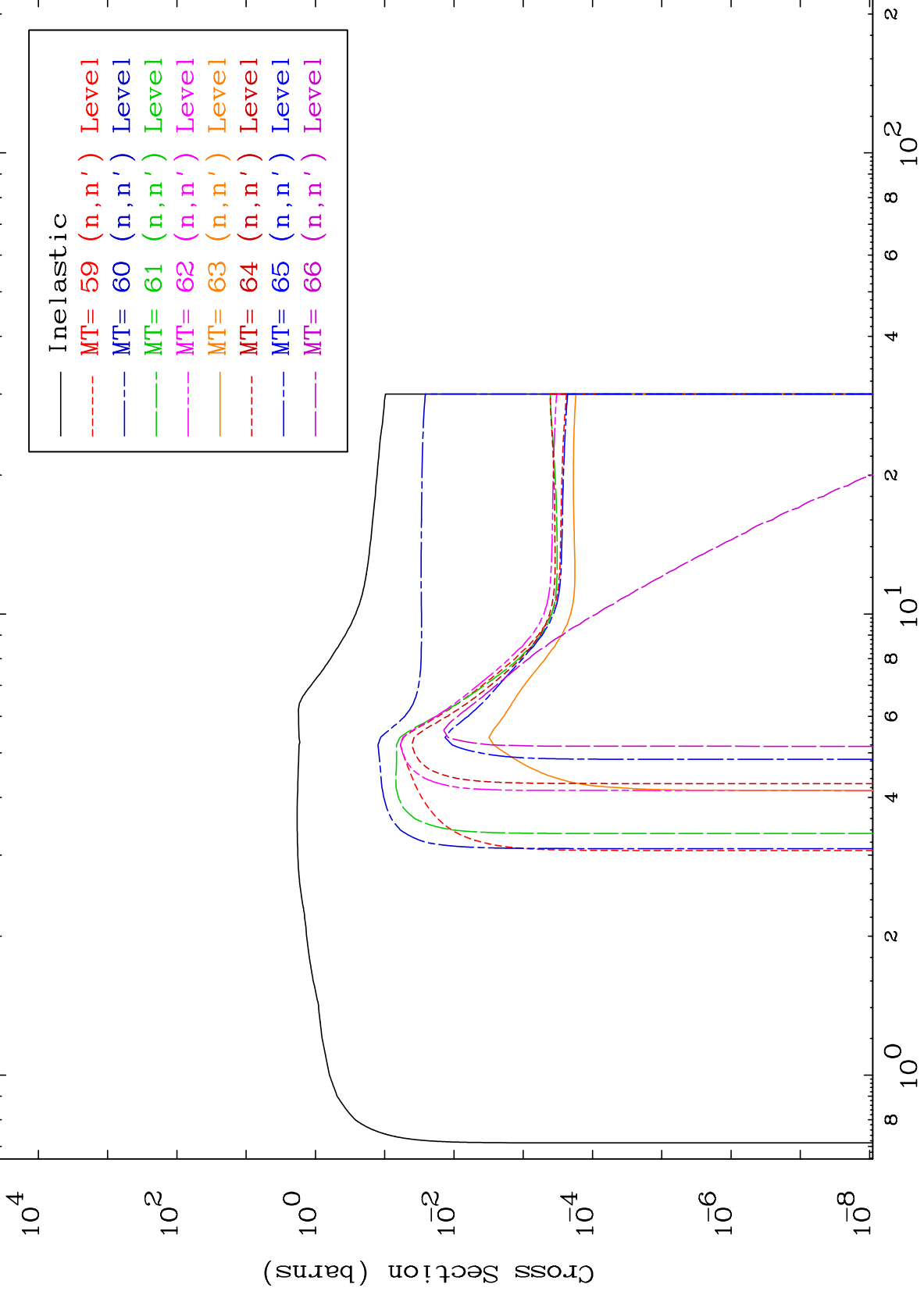
34-Se-86

MAT 3461

(n,n') Levels

34-Se-86

293 Kelvin Cross Sections



9

Incident Energy (MeV)

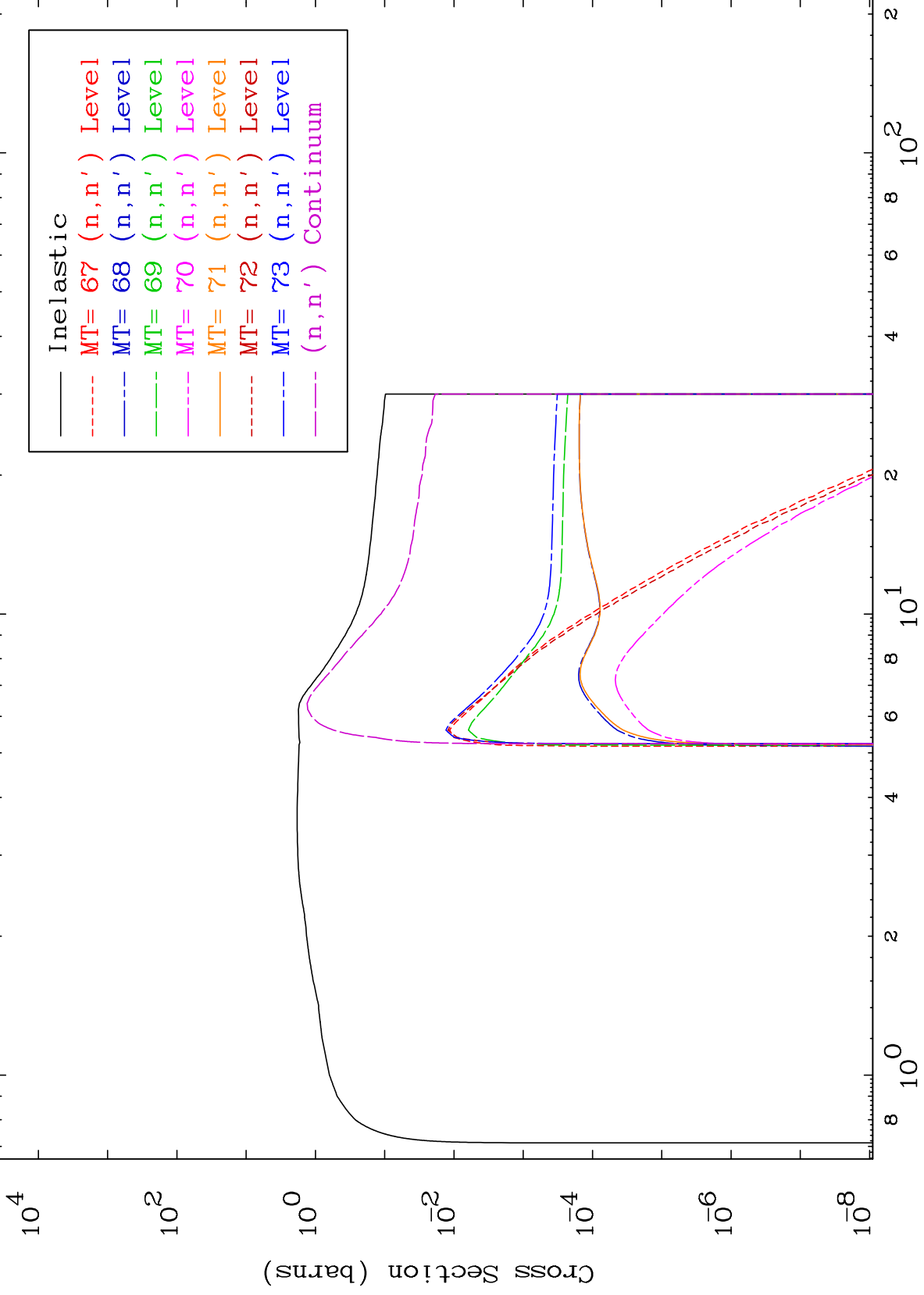
34-Se-86

MAT 3461

(n,n') Levels

34-Se-86

293 Kelvin Cross Sections



10

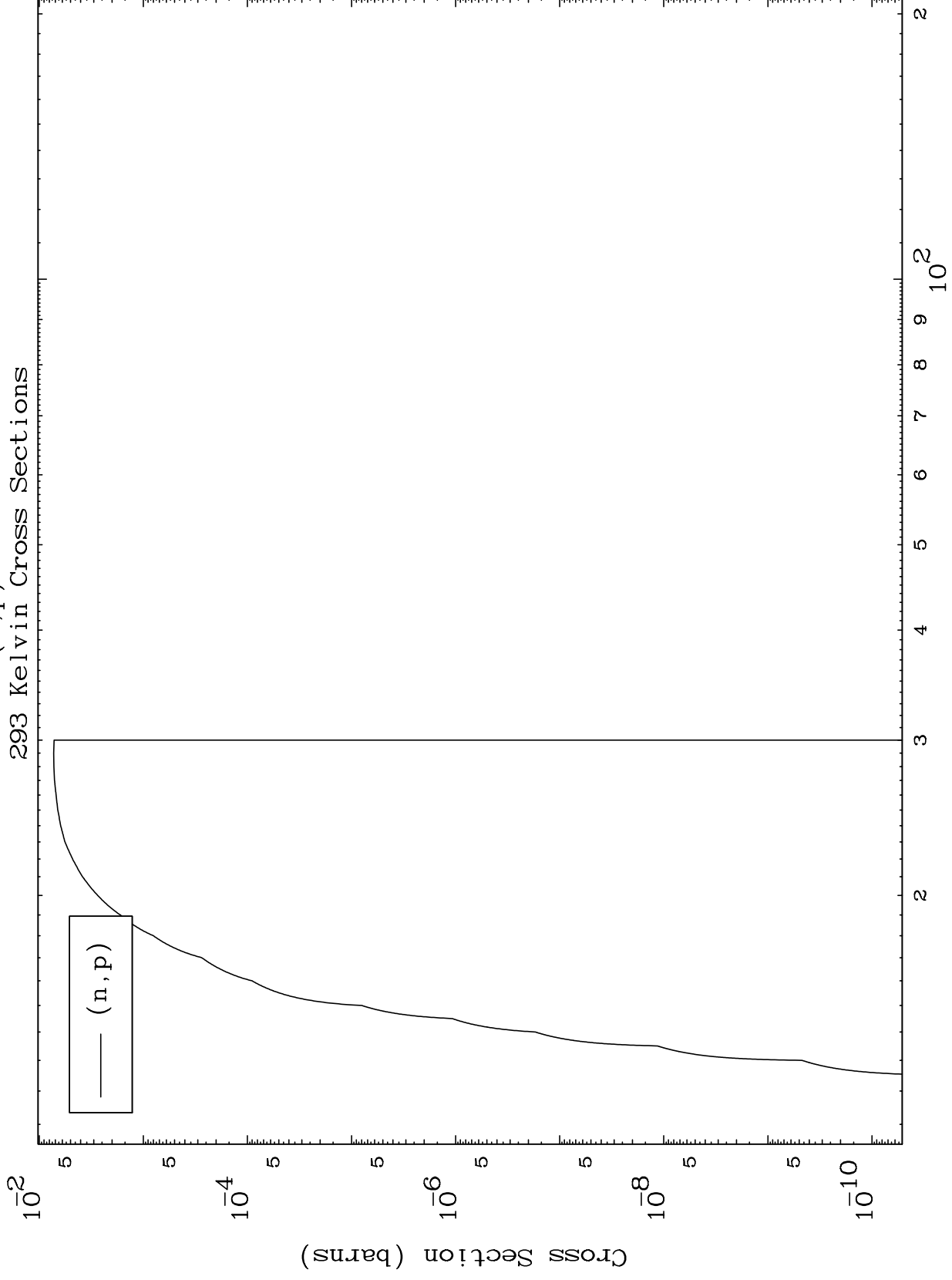
Incident Energy (MeV)

34-Se-86

MAT 3461

(n,p) Levels  
293 Kelvin Cross Sections

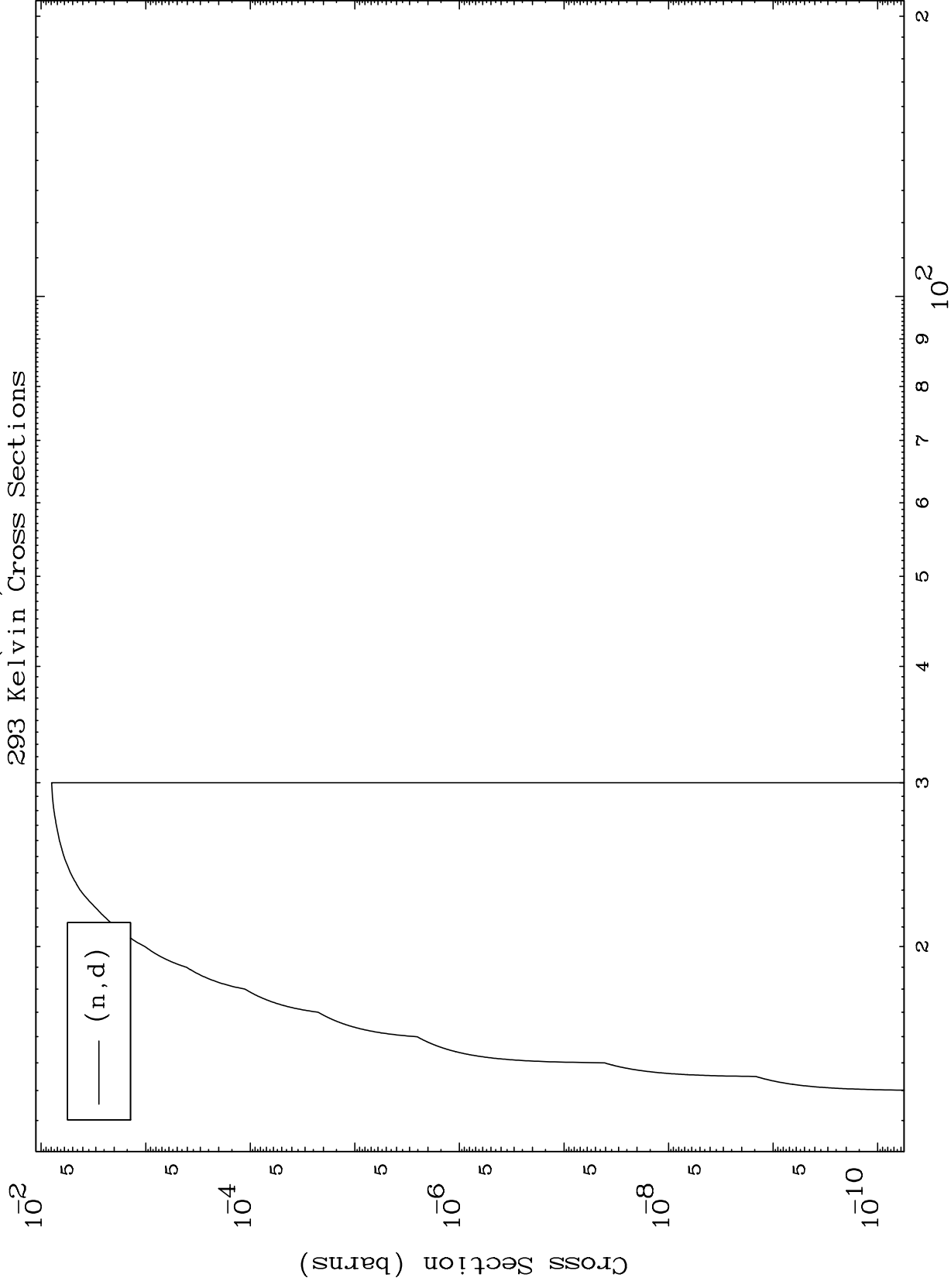
<sup>34</sup>Se-86



MAT 3461

<sup>34</sup>Se-86

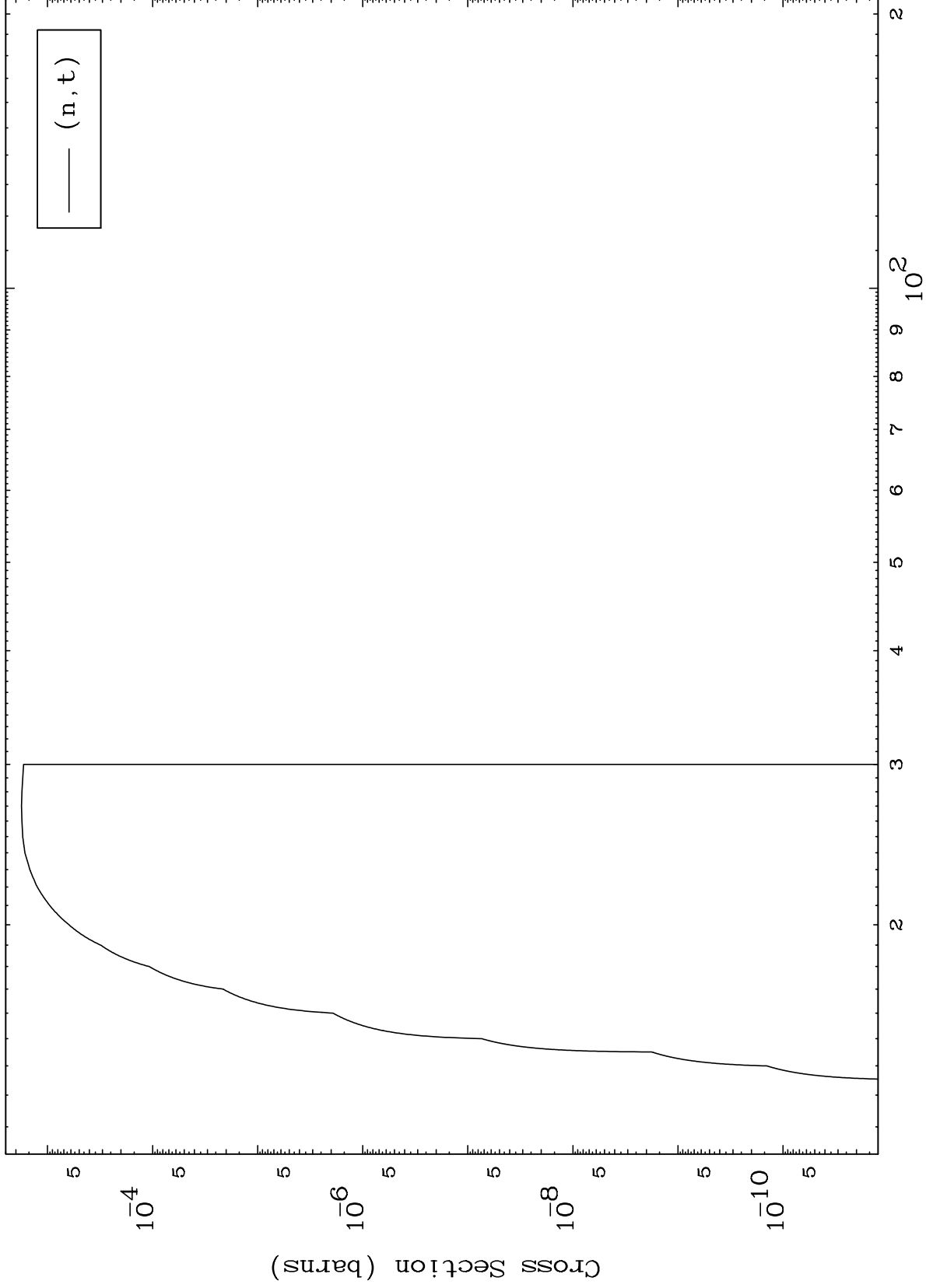
(n,d) Levels  
293 Kelvin Cross Sections



<sup>34</sup>Se-86

Incident Energy (MeV)

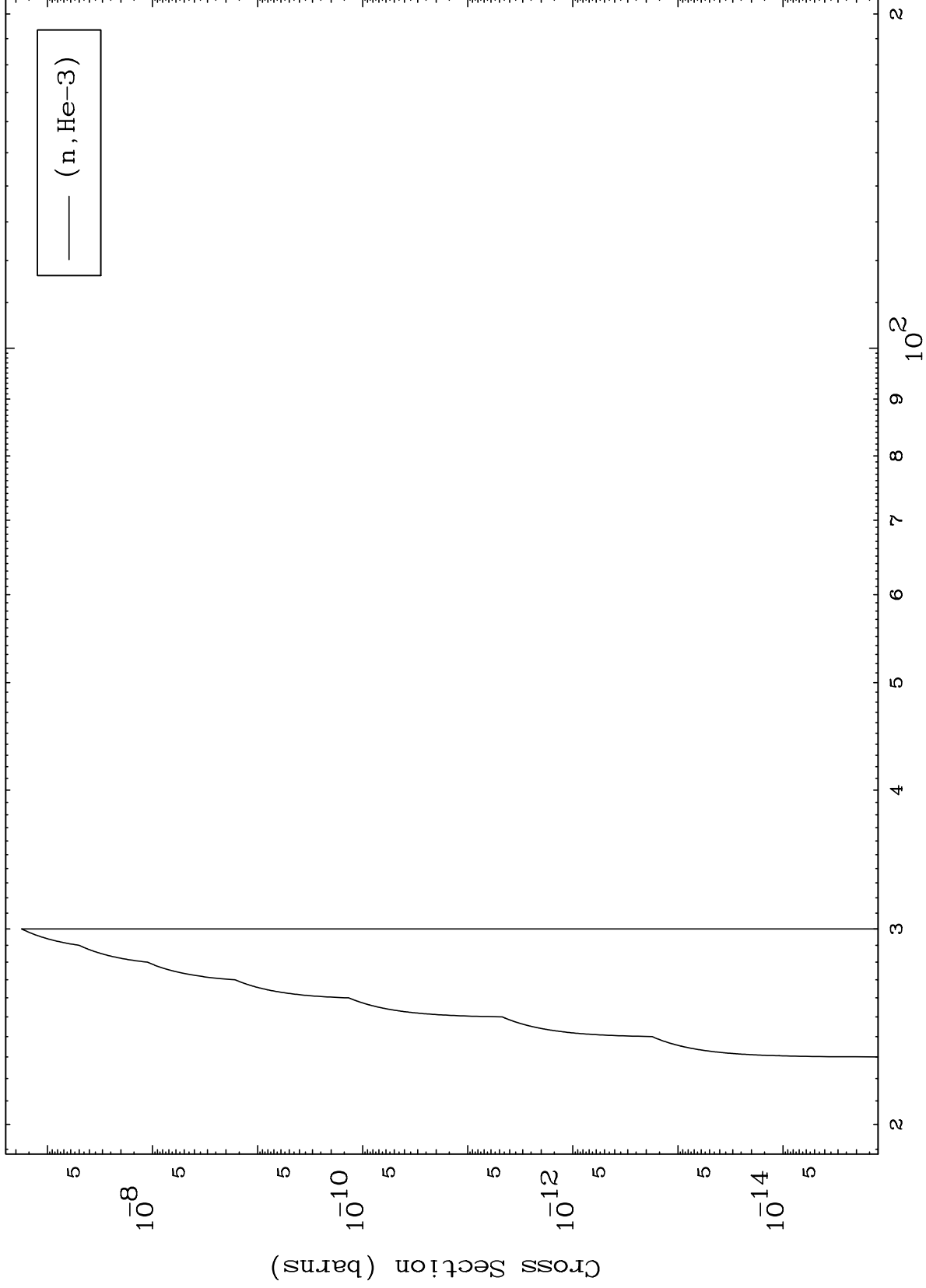
12



MAT 3461

(n,He3) Levels  
293 Kelvin Cross Sections

34-Se-86



14

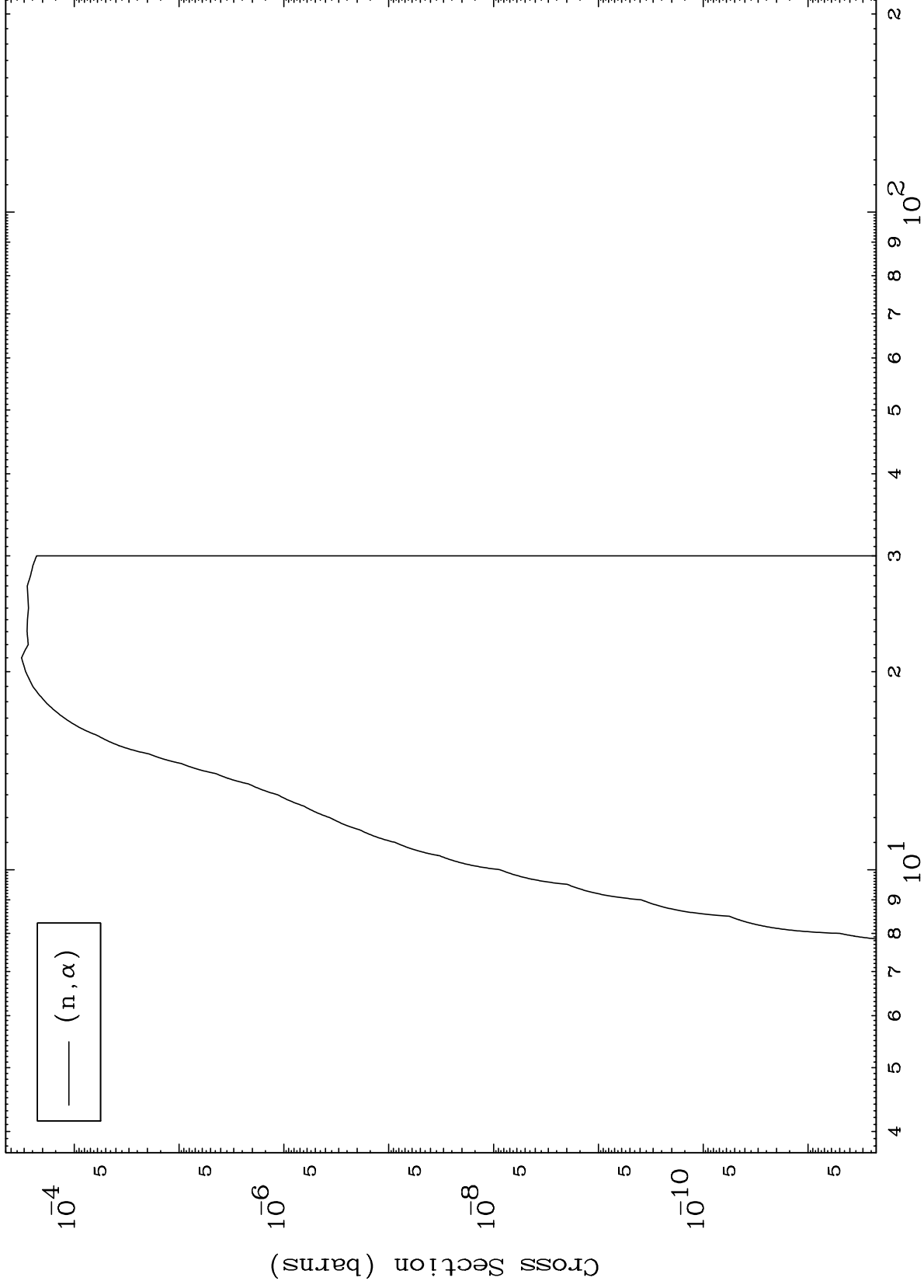
Incident Energy (MeV)

34-Se-86

MAT 3461

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

<sup>34</sup>Se-86



15

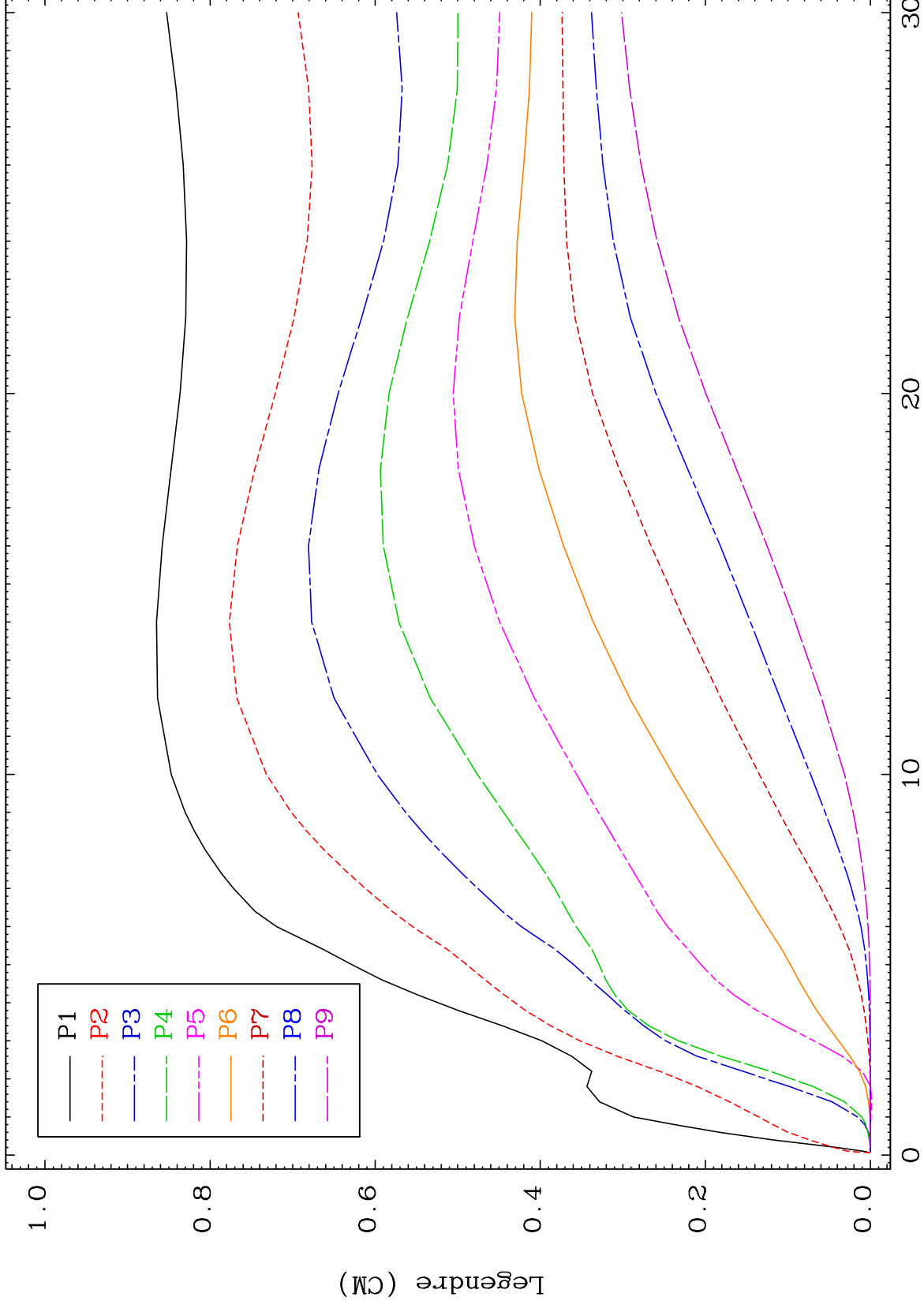
Incident Energy (MeV)

<sup>34</sup>Se-86

MAT 3461

Elastic Legendre Coefficients

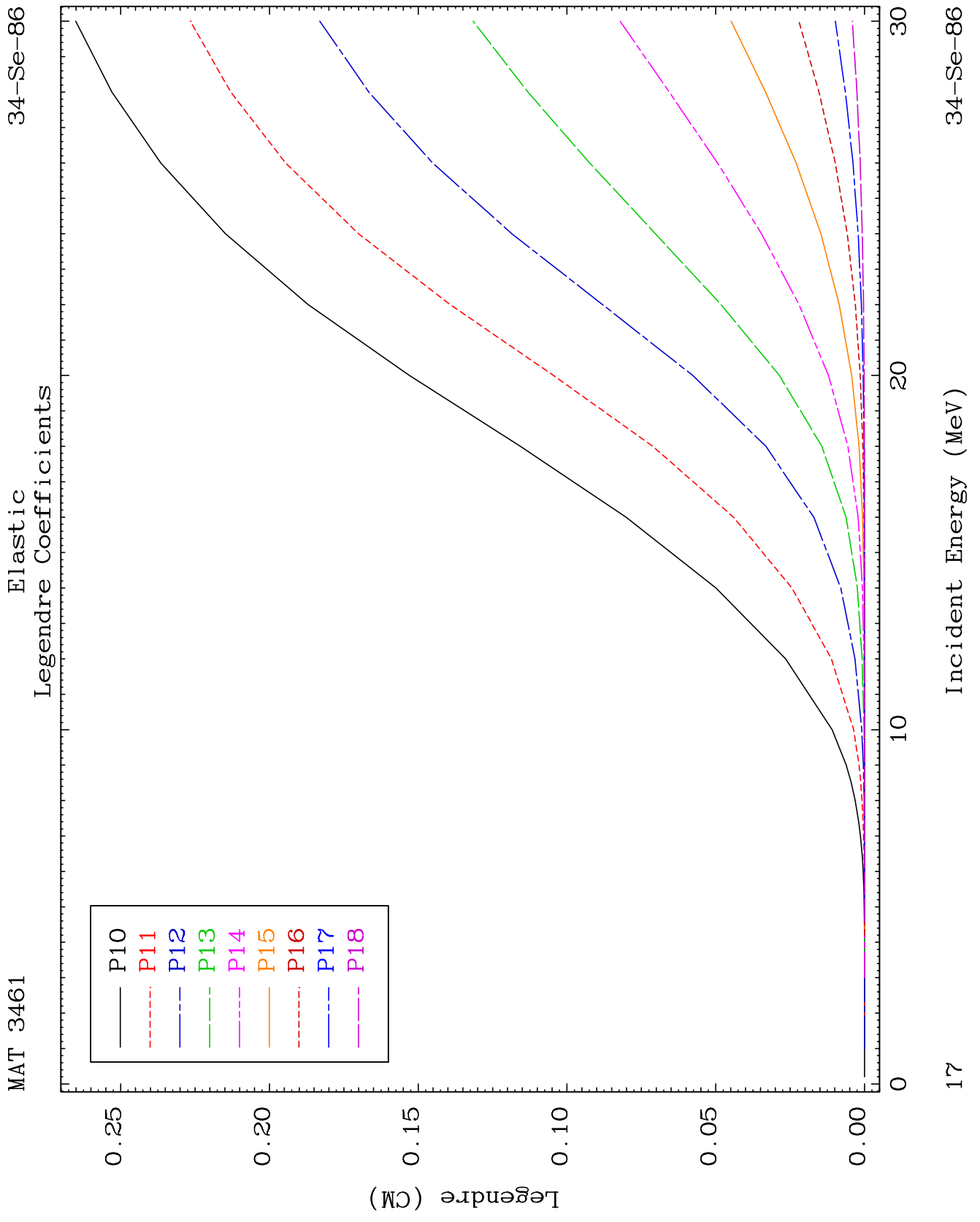
<sup>34</sup>Se-86



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Incident Energy (MeV)

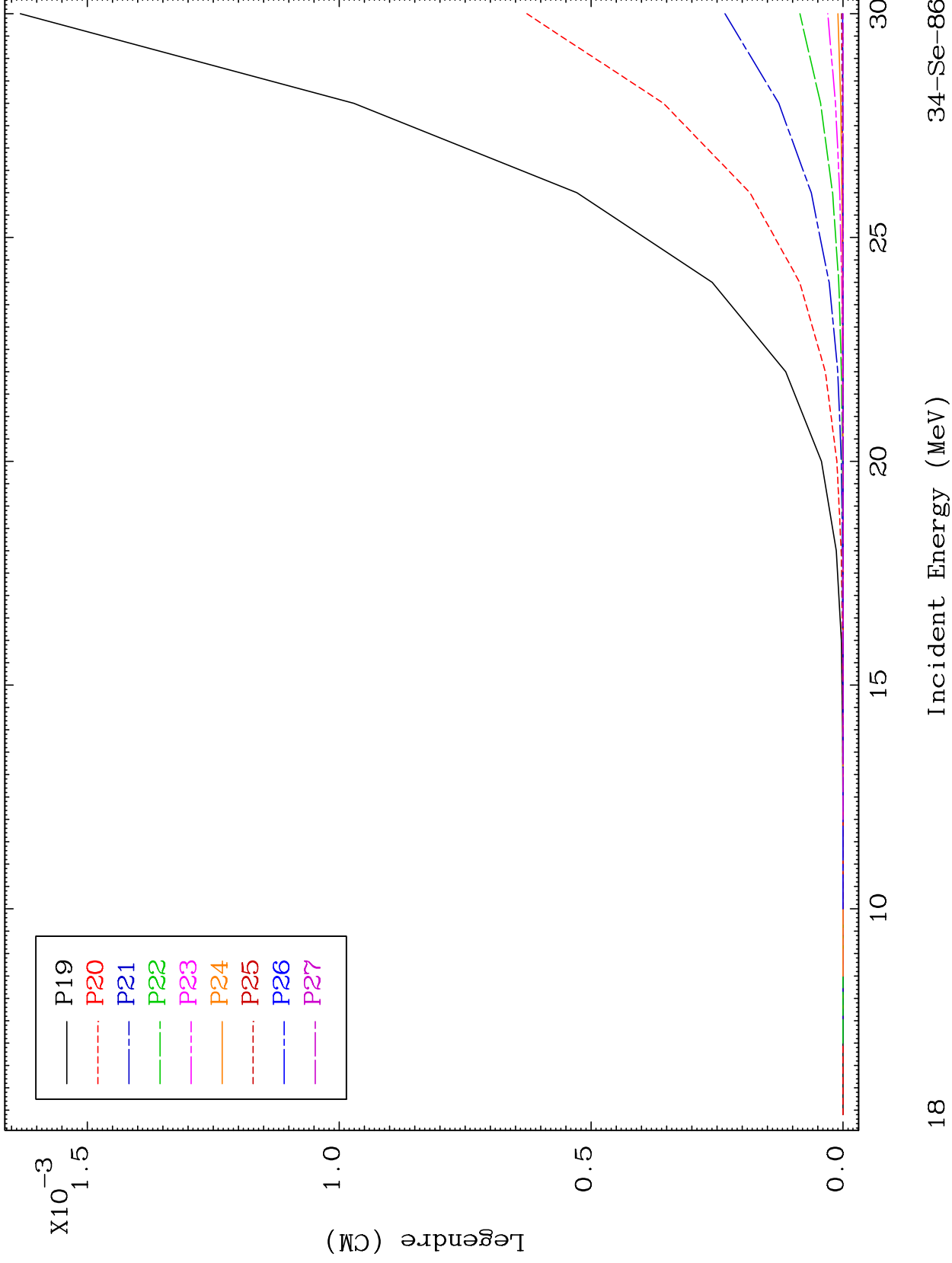
<sup>34</sup>Se-86



MAT 3461

### Elastic Legendre Coefficients

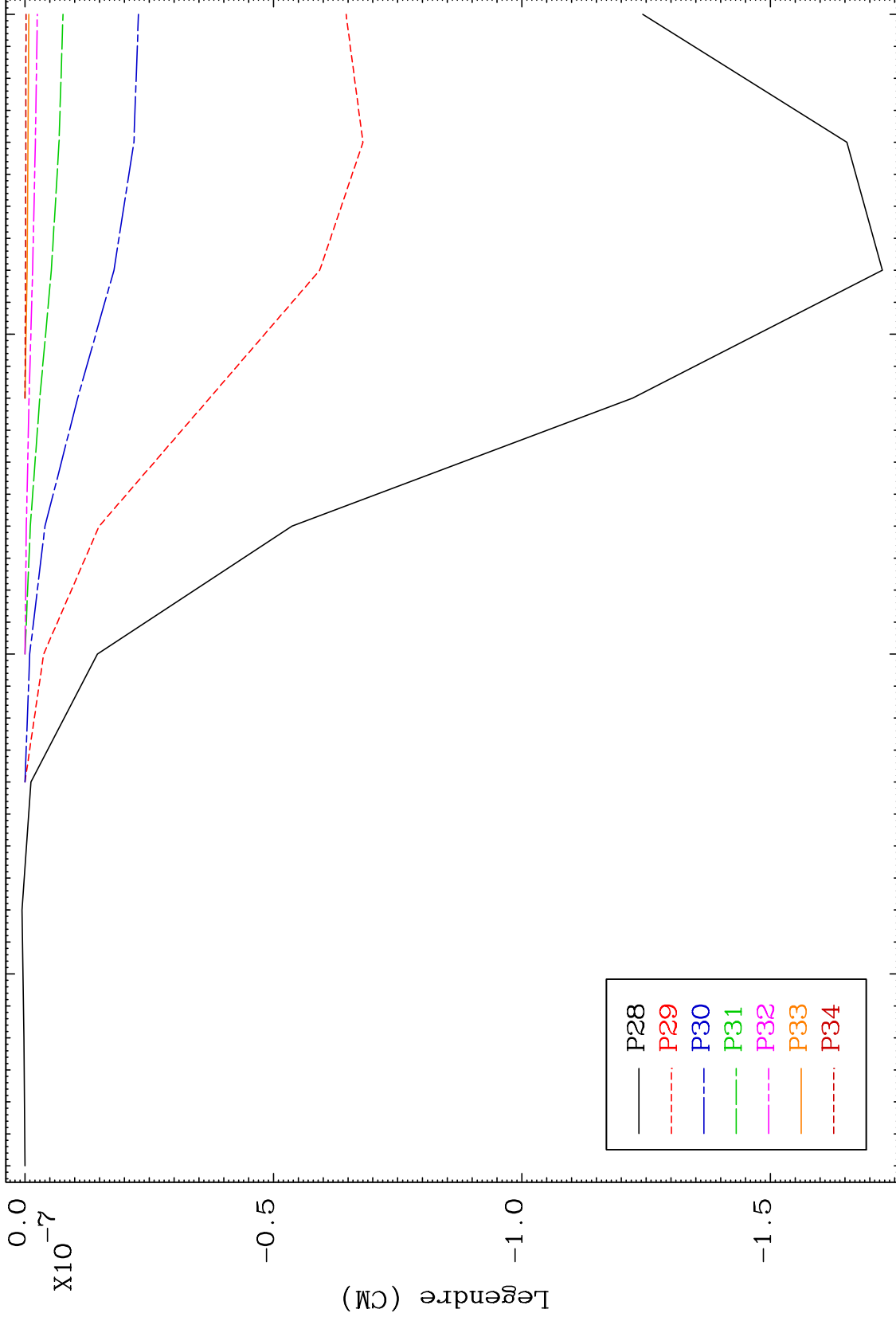
<sup>34</sup>Se-86



MAT 3461

<sup>34</sup>Se-86

Elastic Legendre Coefficients



19

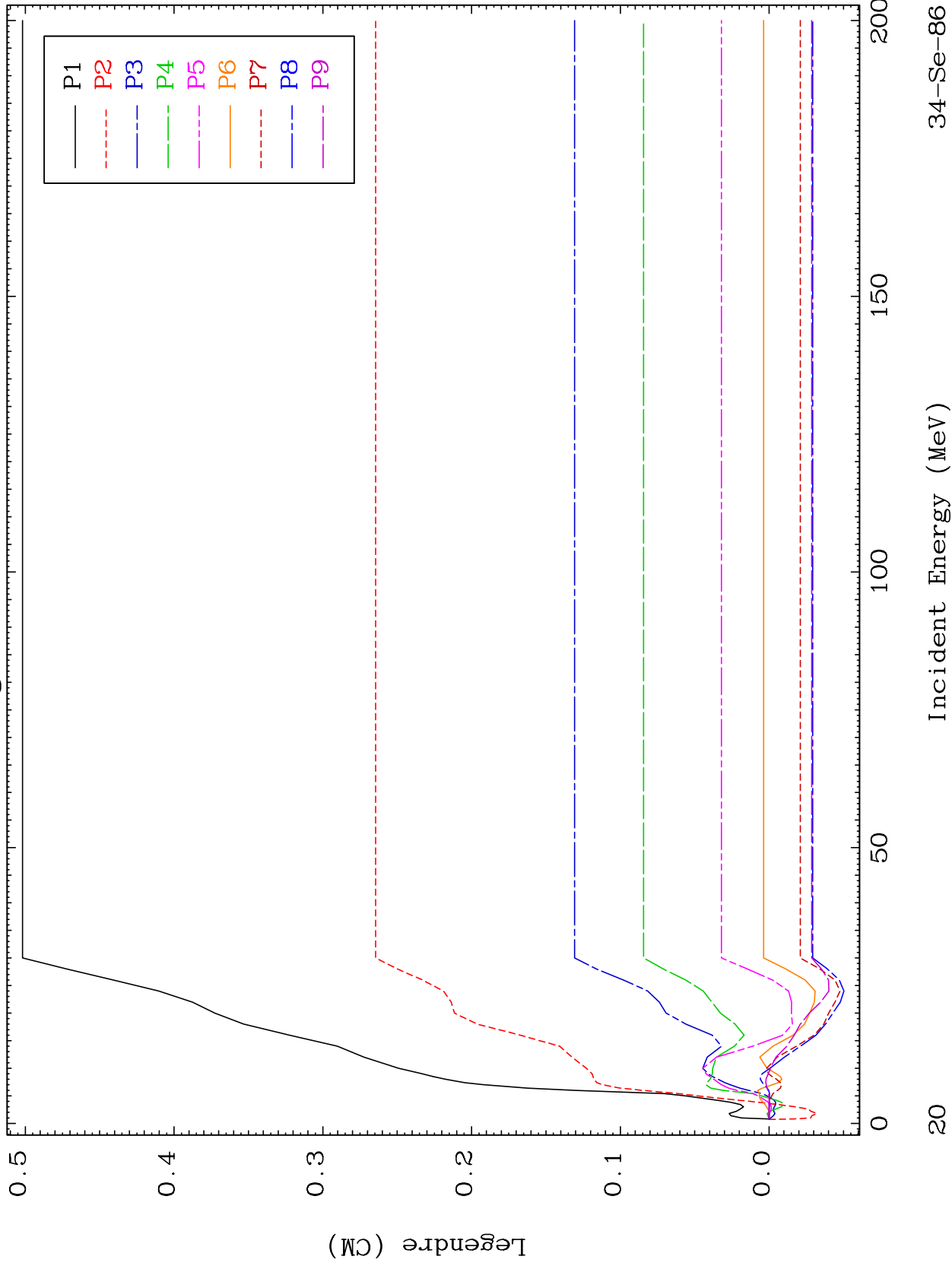
Incident Energy (MeV)

<sup>34</sup>Se-86

MAT 3461

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

<sup>34</sup>Se-86

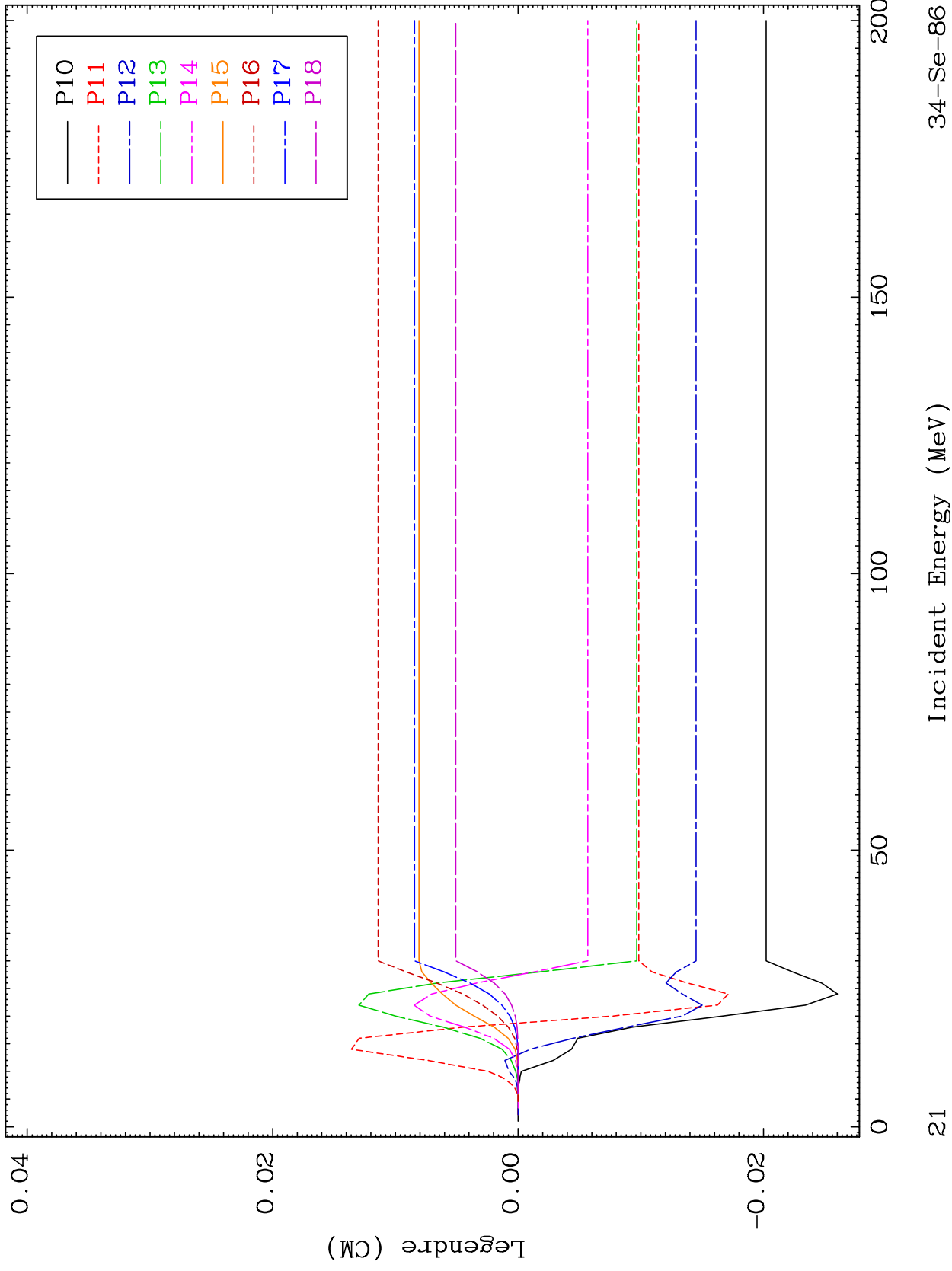


<sup>34</sup>Se-86

MAT 3461

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

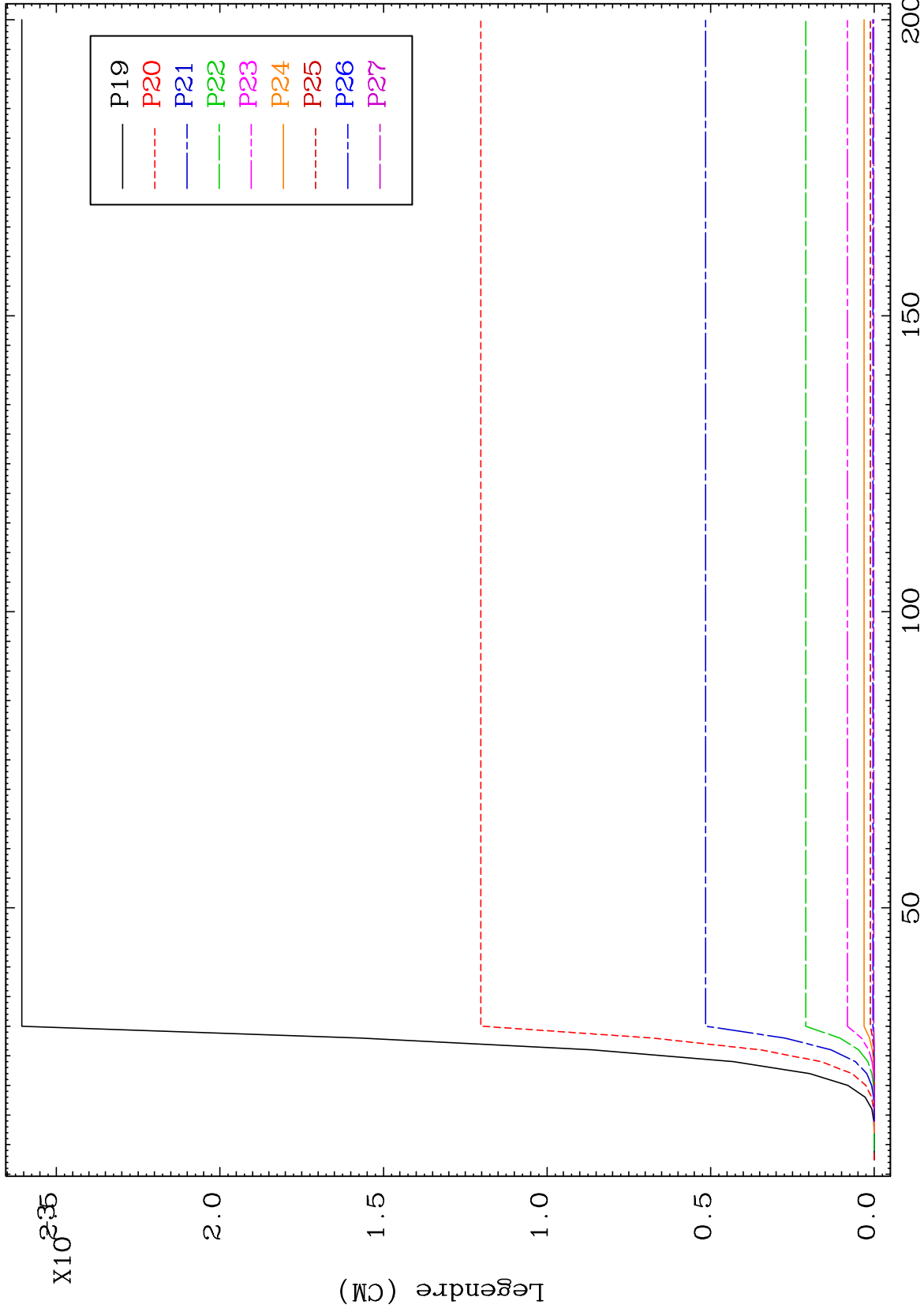
<sup>34</sup>Se-86



<sup>34</sup>Se-86

Incident Energy (MeV)

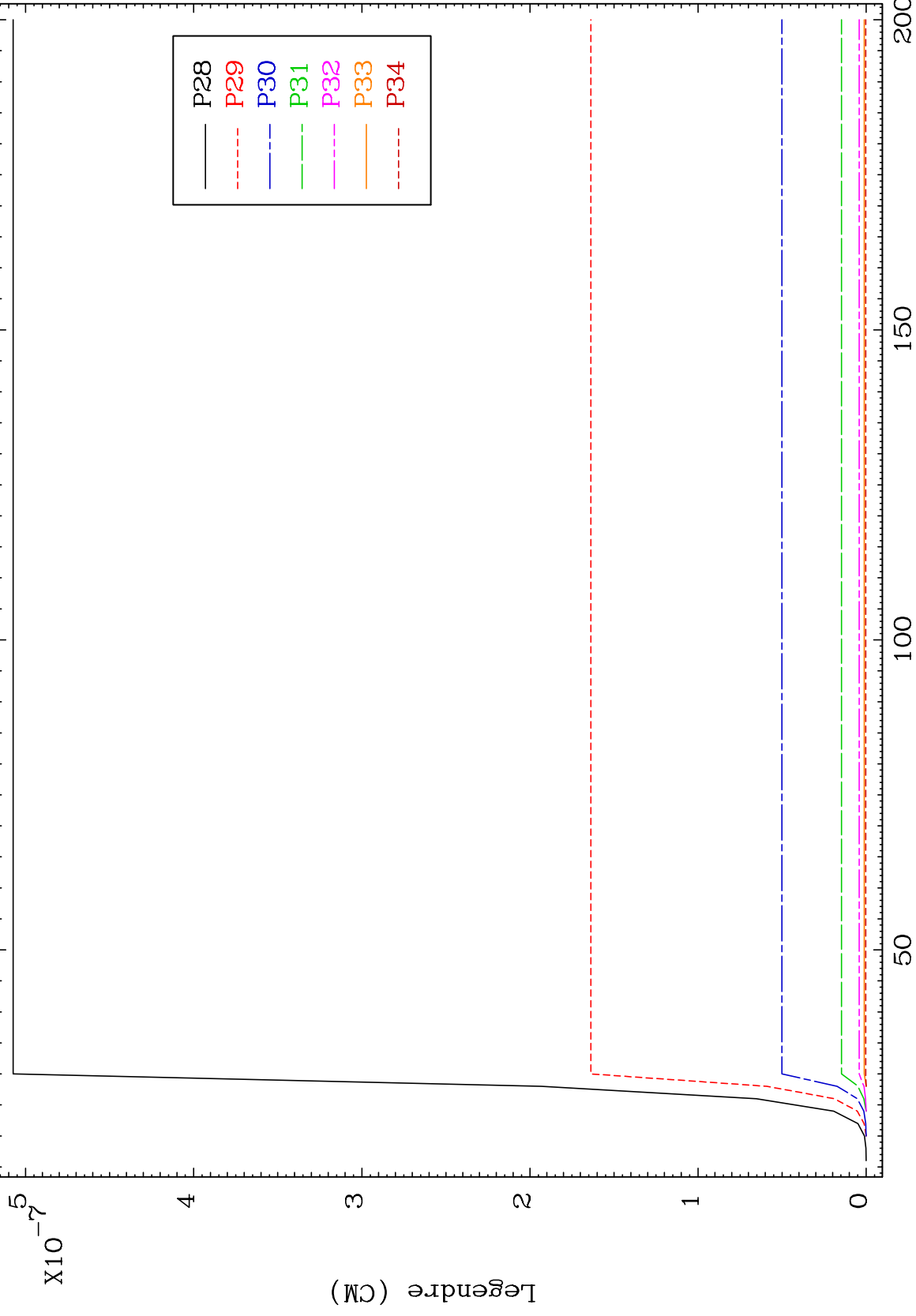
21



MAT 3461

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

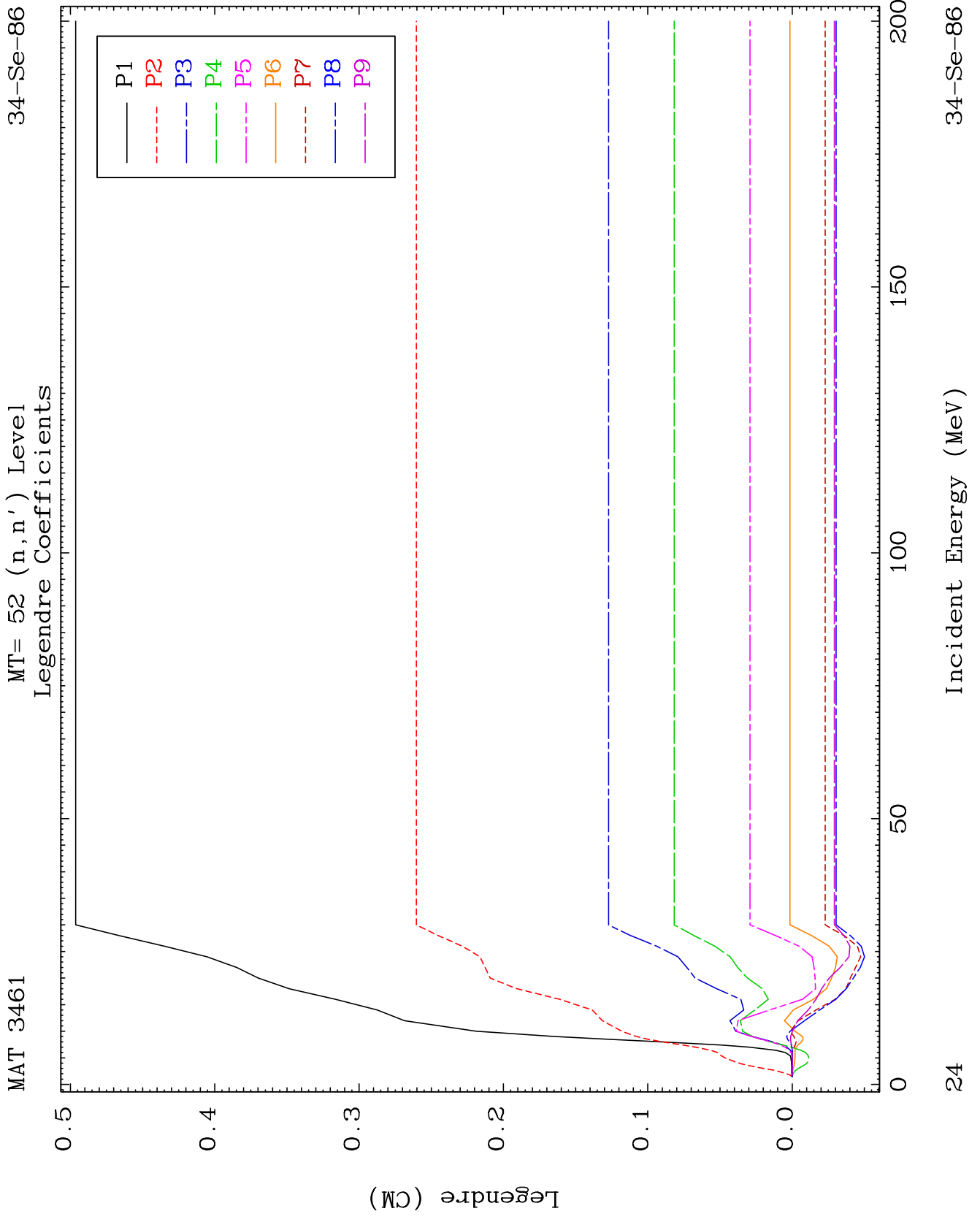
34-Se-86

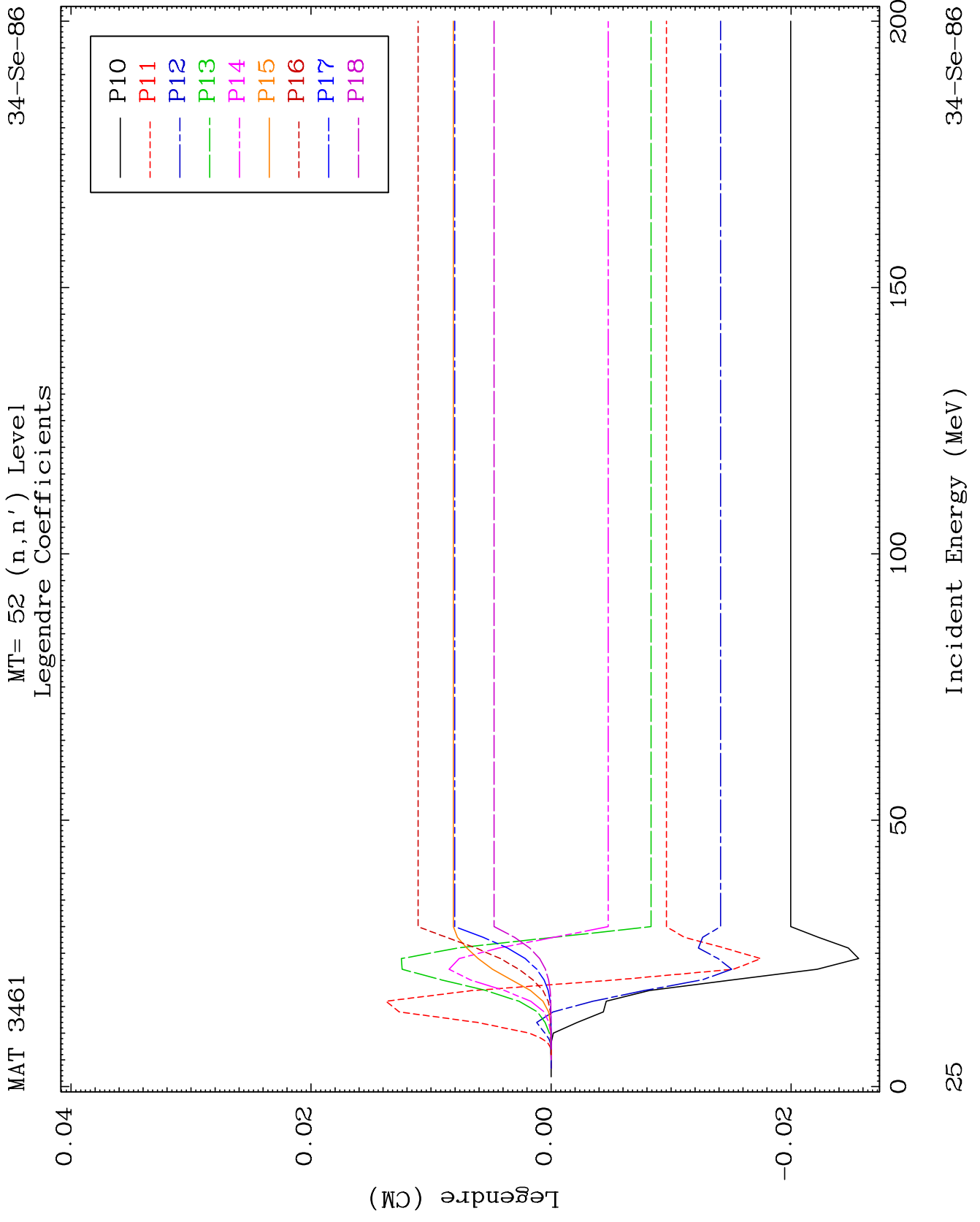


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Incident Energy (MeV)

34-Se-86

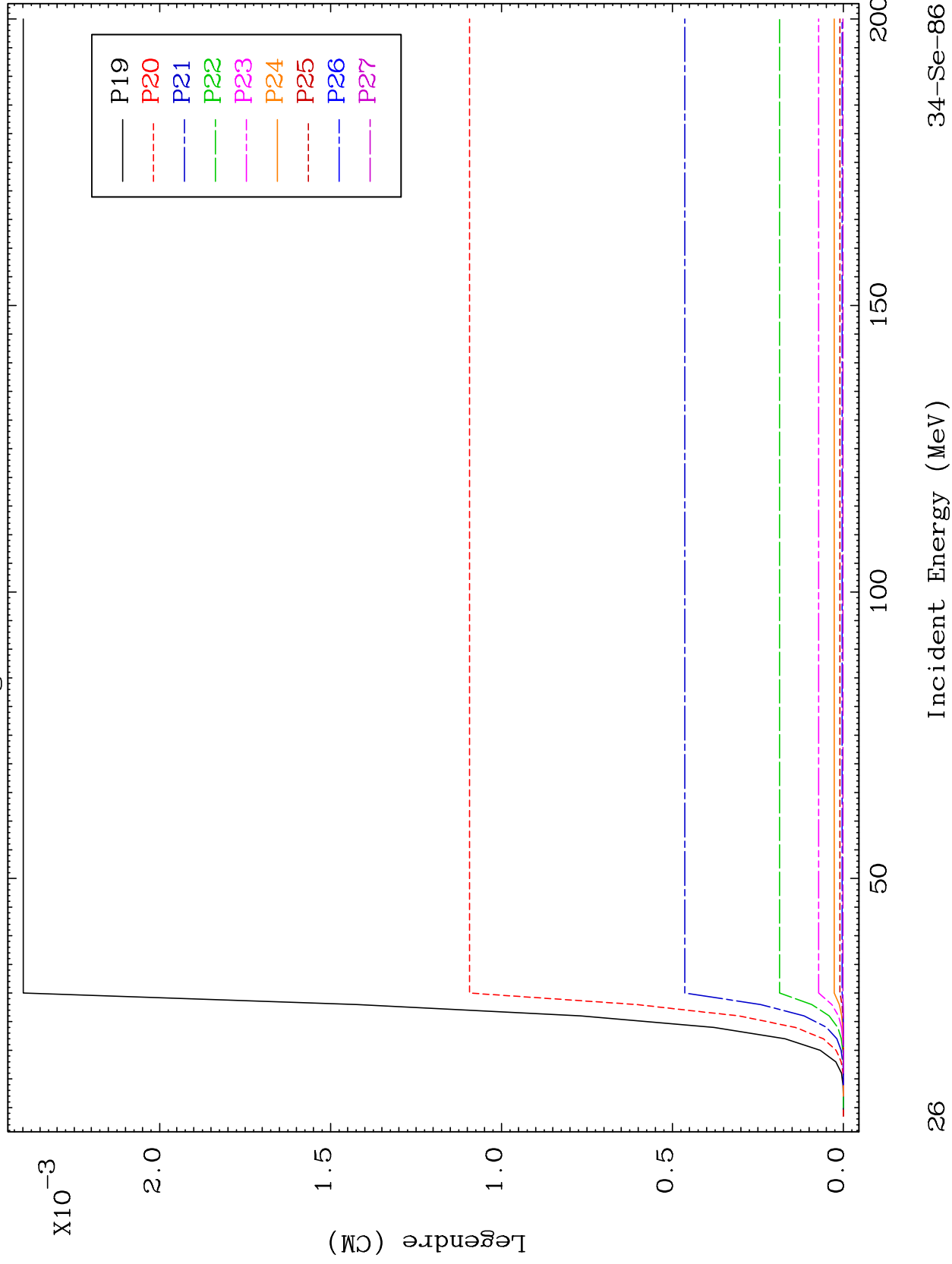




MAT 3461

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

<sup>34</sup>Se-86



26

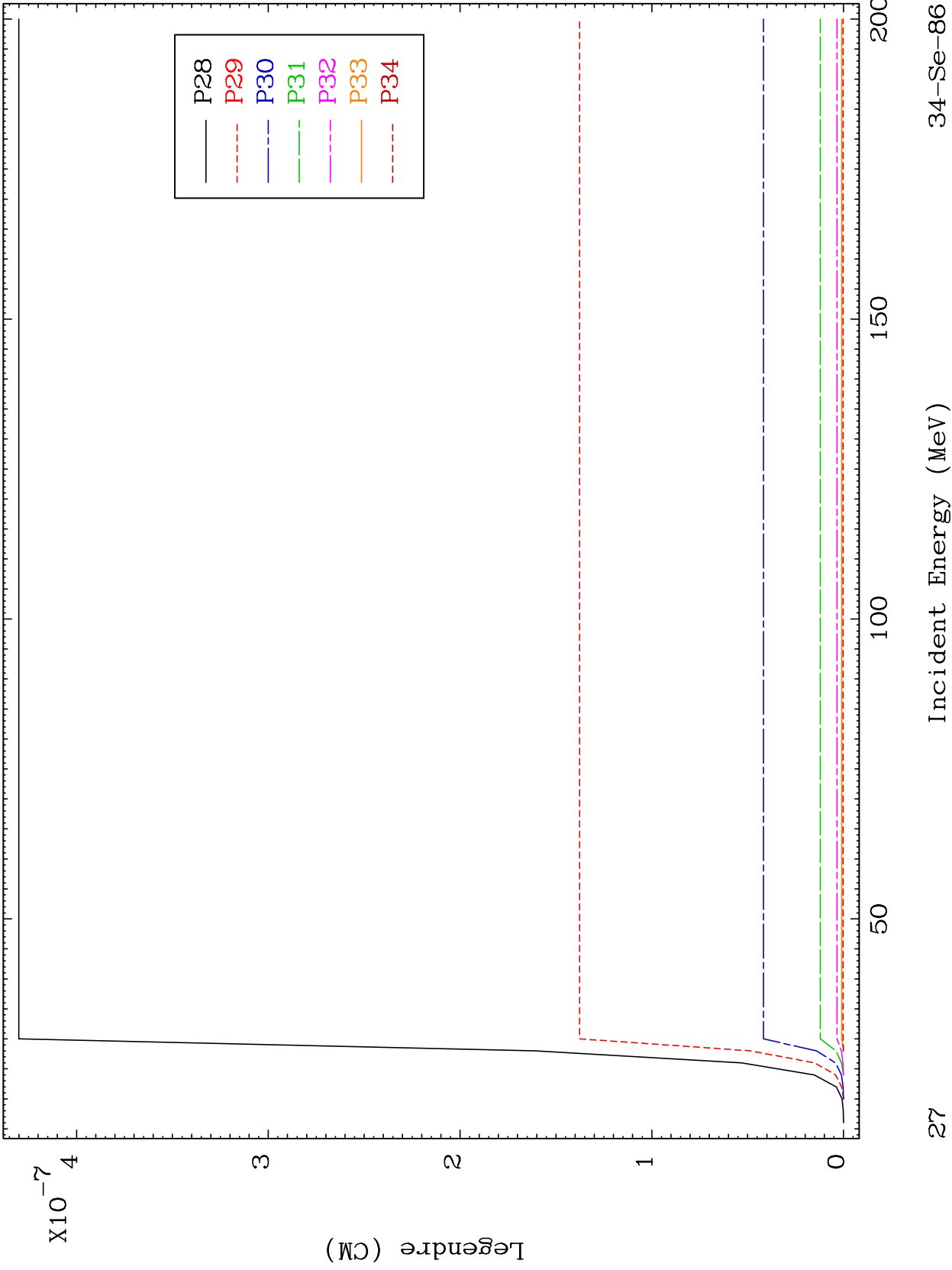
Incident Energy (MeV)

<sup>34</sup>Se-86

MAT 3461

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

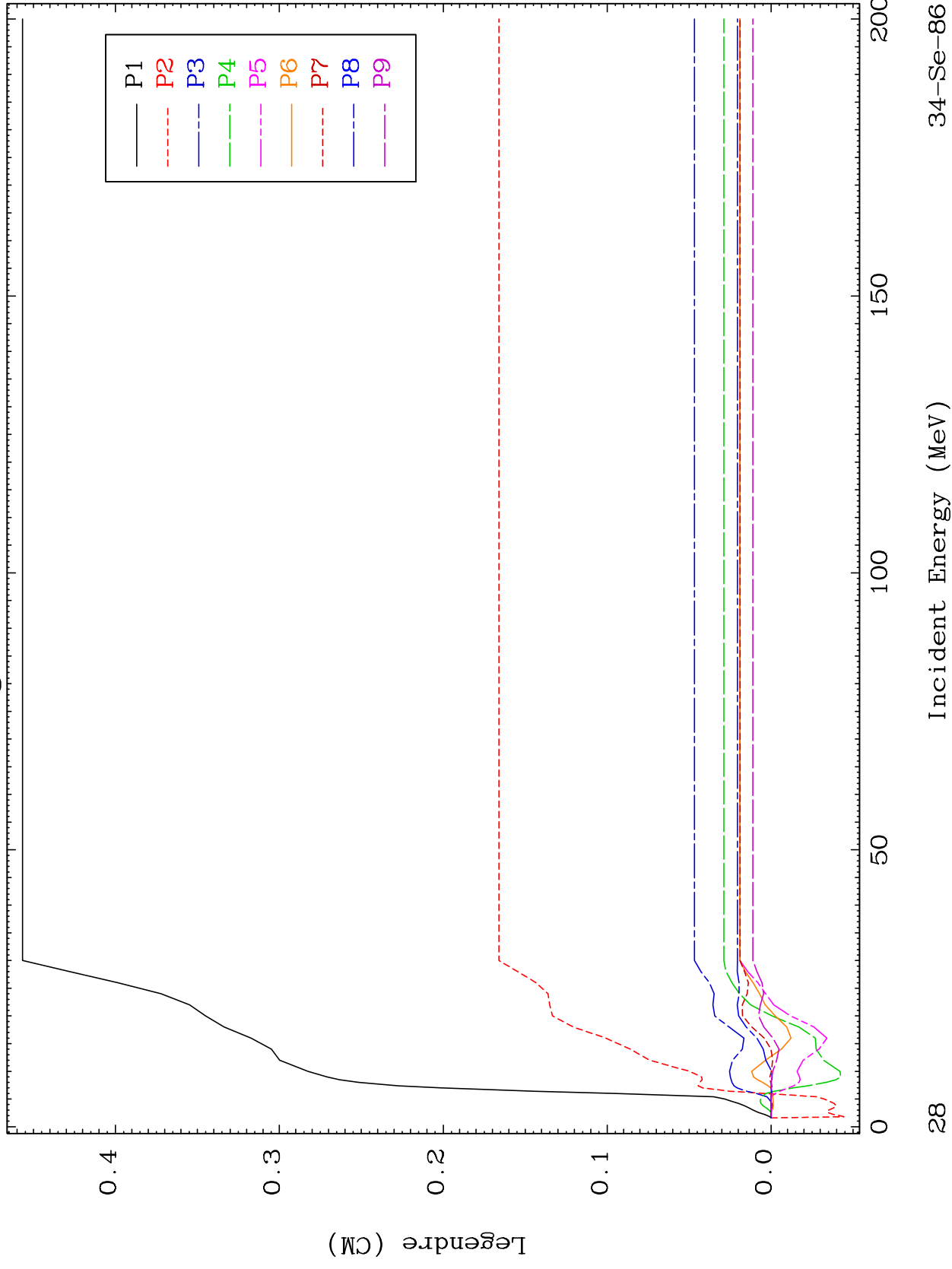
34-Se-86



MAT 3461

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

<sup>34</sup>Se-86



<sup>34</sup>Se-86

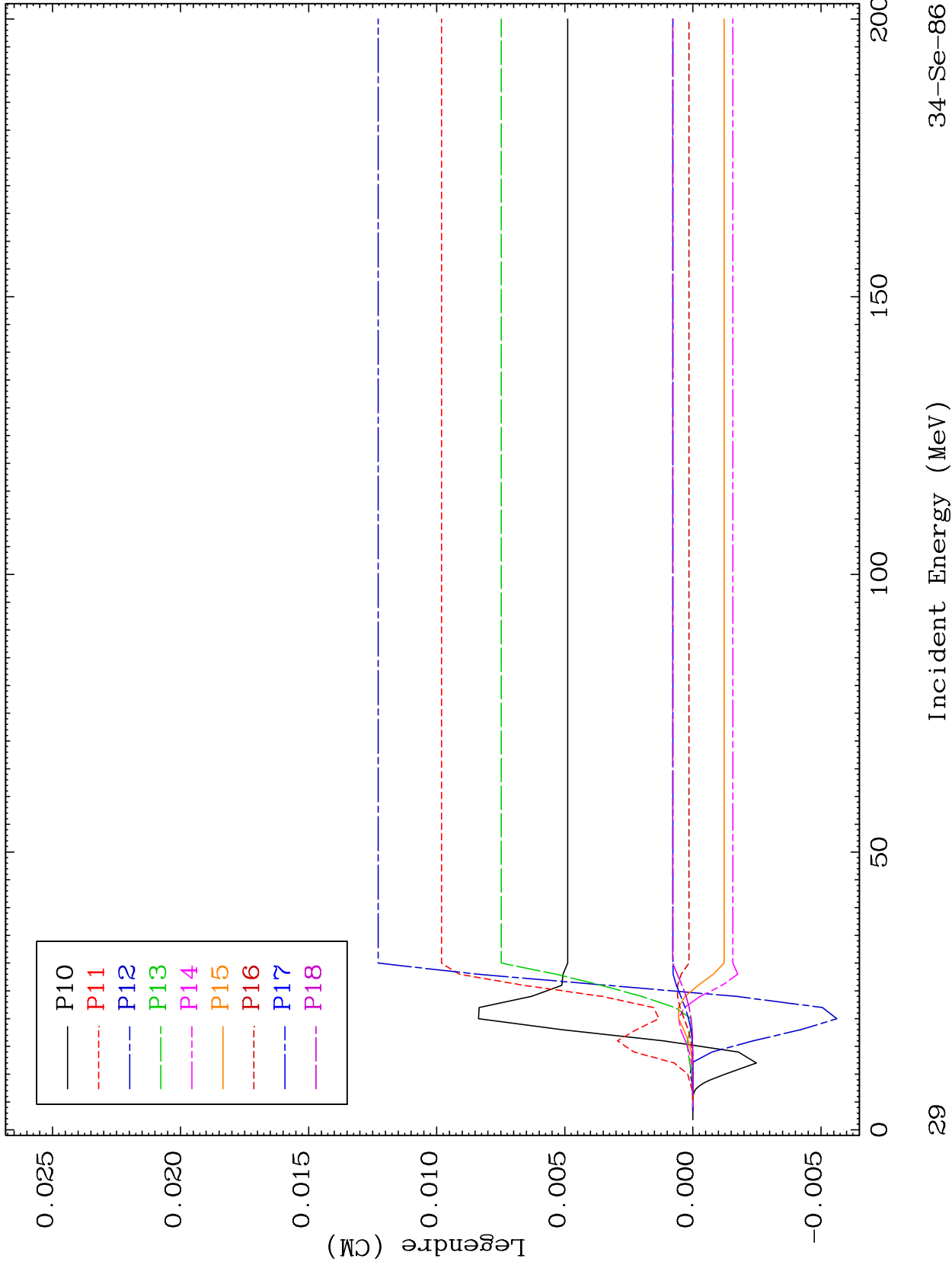
Incident Energy (MeV)

28

MAT 3461

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

<sup>34</sup>Se-86



29

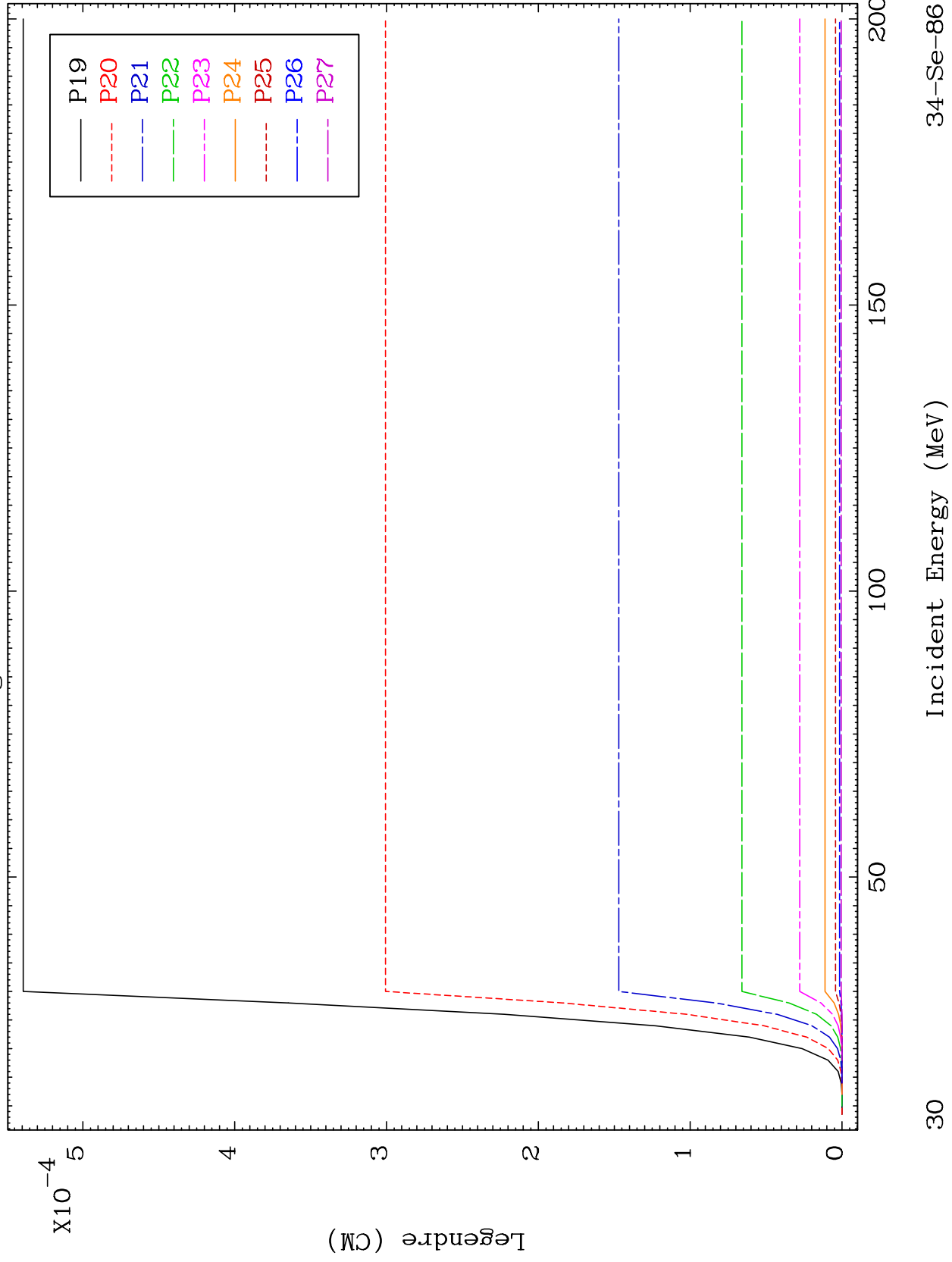
Incident Energy (MeV)

<sup>34</sup>Se-86

MAT 3461

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

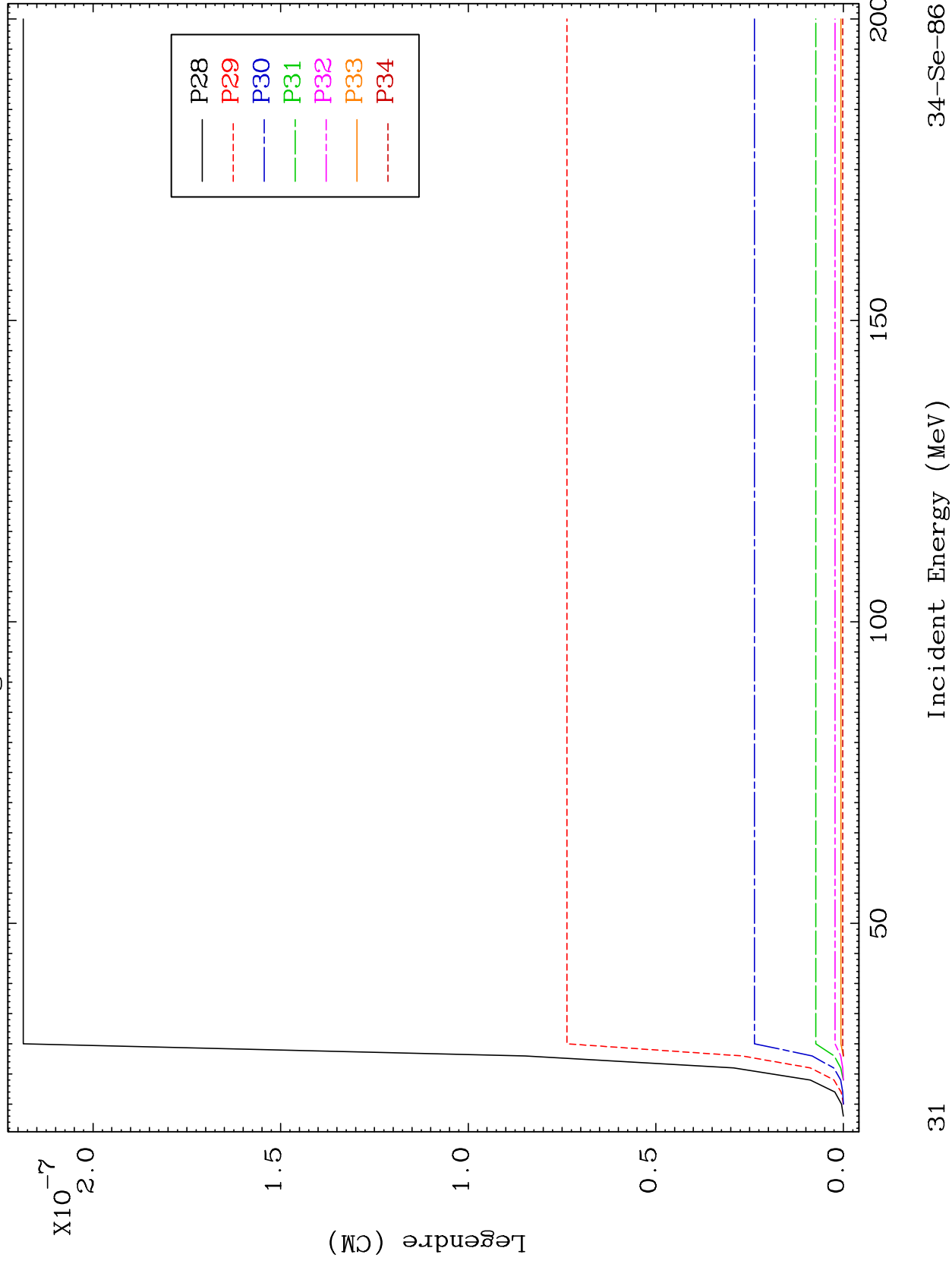
<sup>34</sup>Se-86



MAT 3461

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

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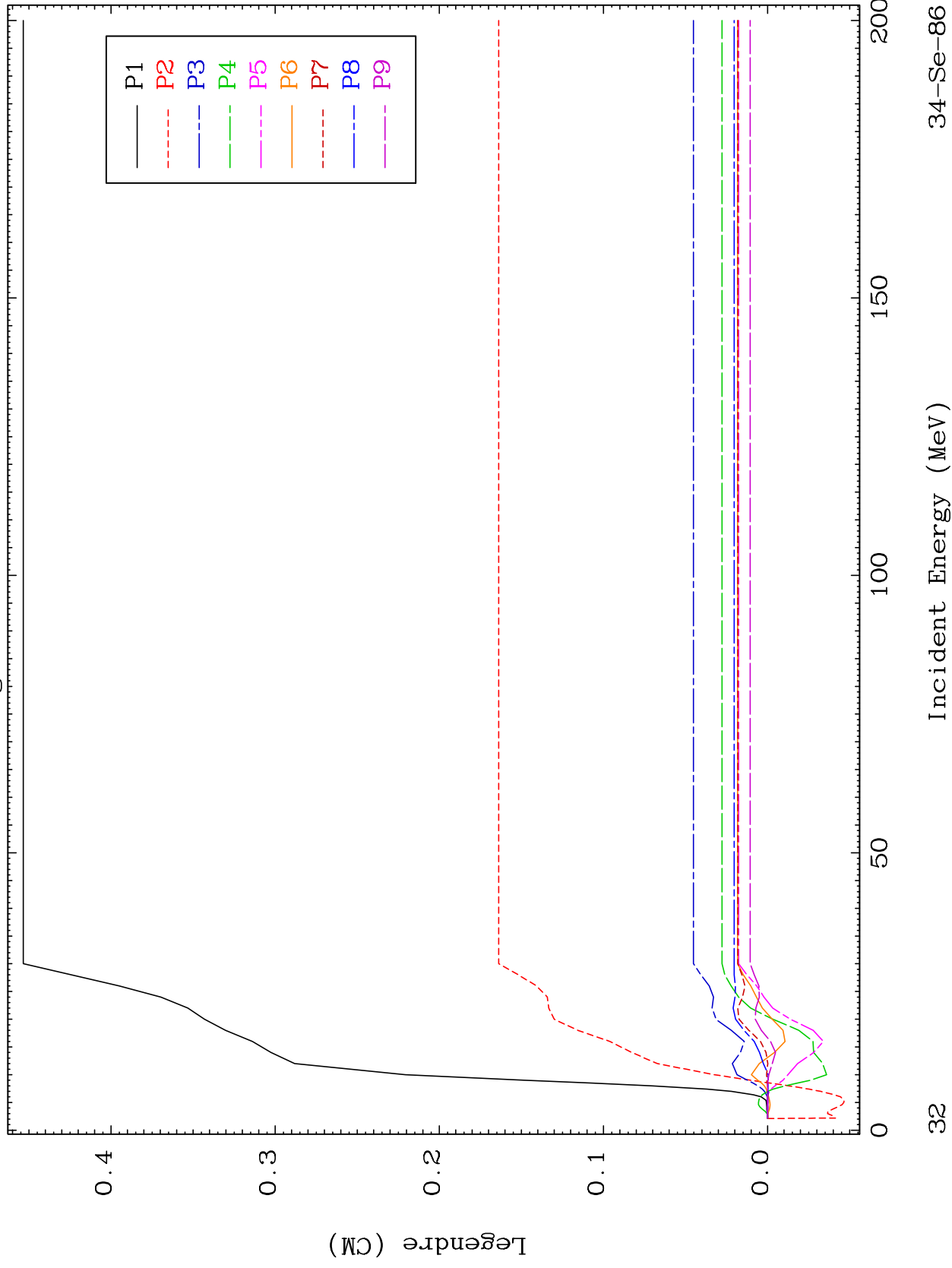
Incident Energy (MeV)

34-Se-86

MAT 3461

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

<sup>34</sup>Se-86



<sup>34</sup>Se-86

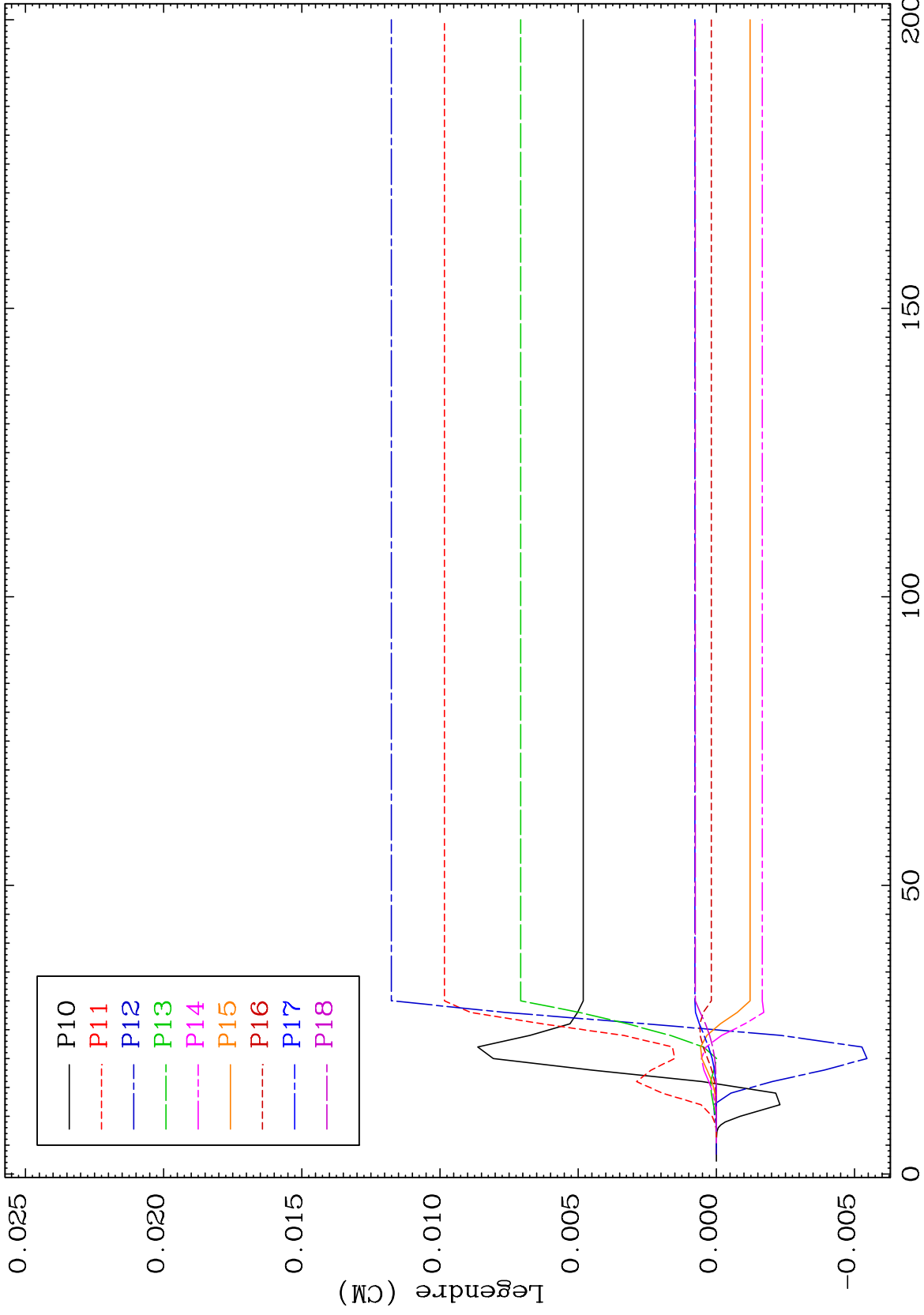
Incident Energy (MeV)

32

MAT 3461

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

34-Se-86



33

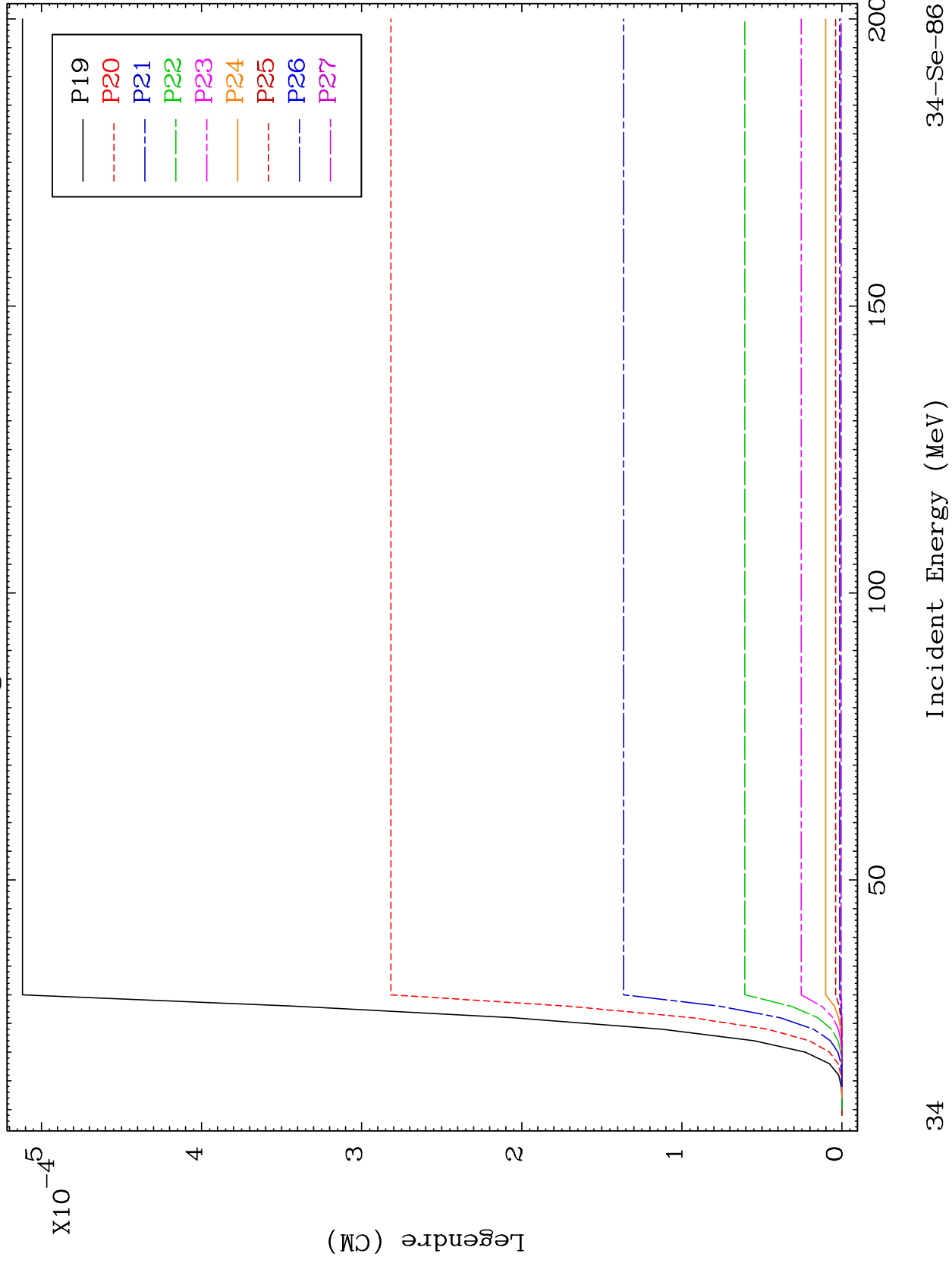
Incident Energy (MeV)

34-Se-86

MAT 3461

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

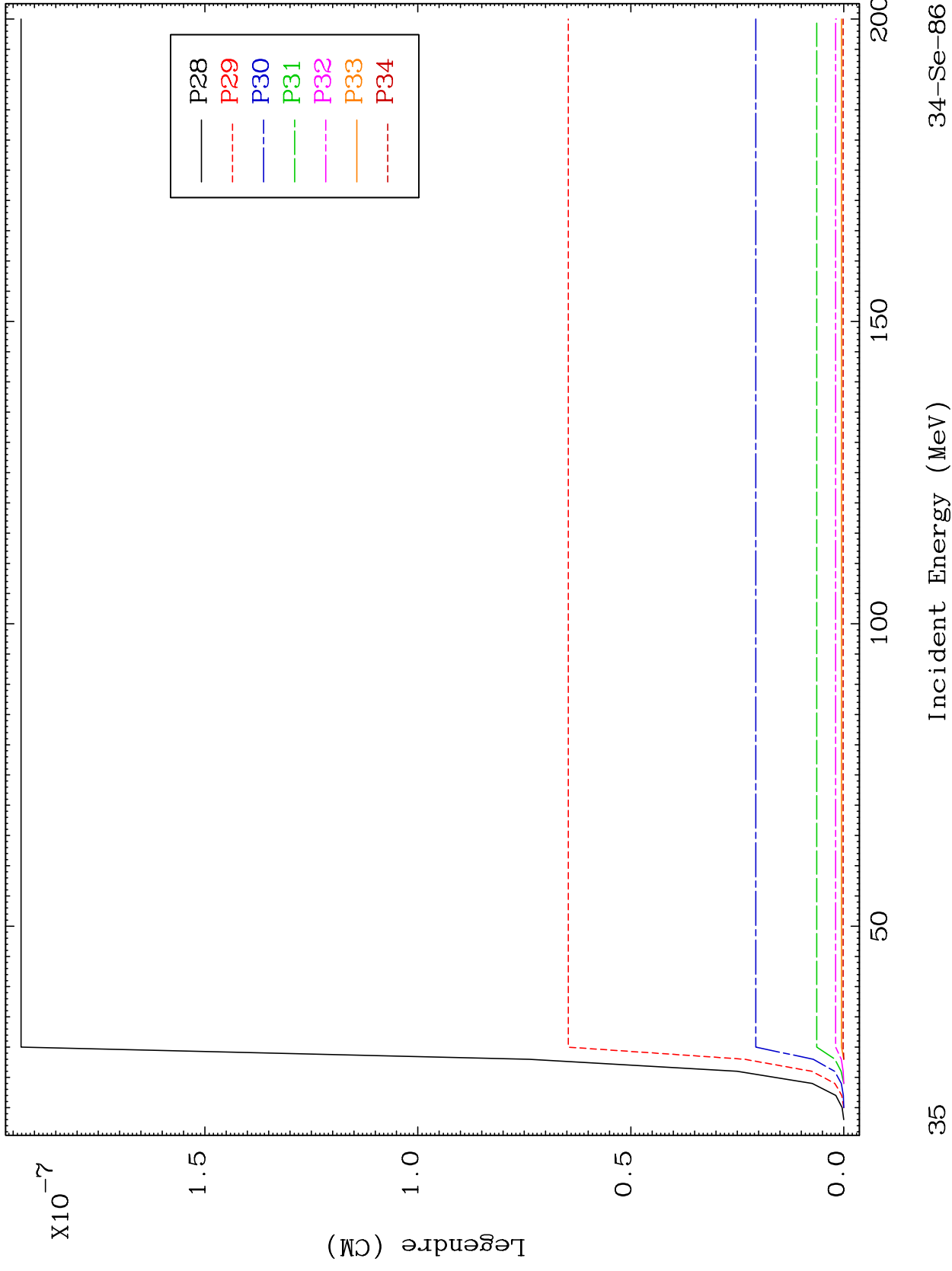
<sup>34</sup>Se-86



MAT 3461

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

<sup>34</sup>Se-86



35

Incident Energy (MeV)

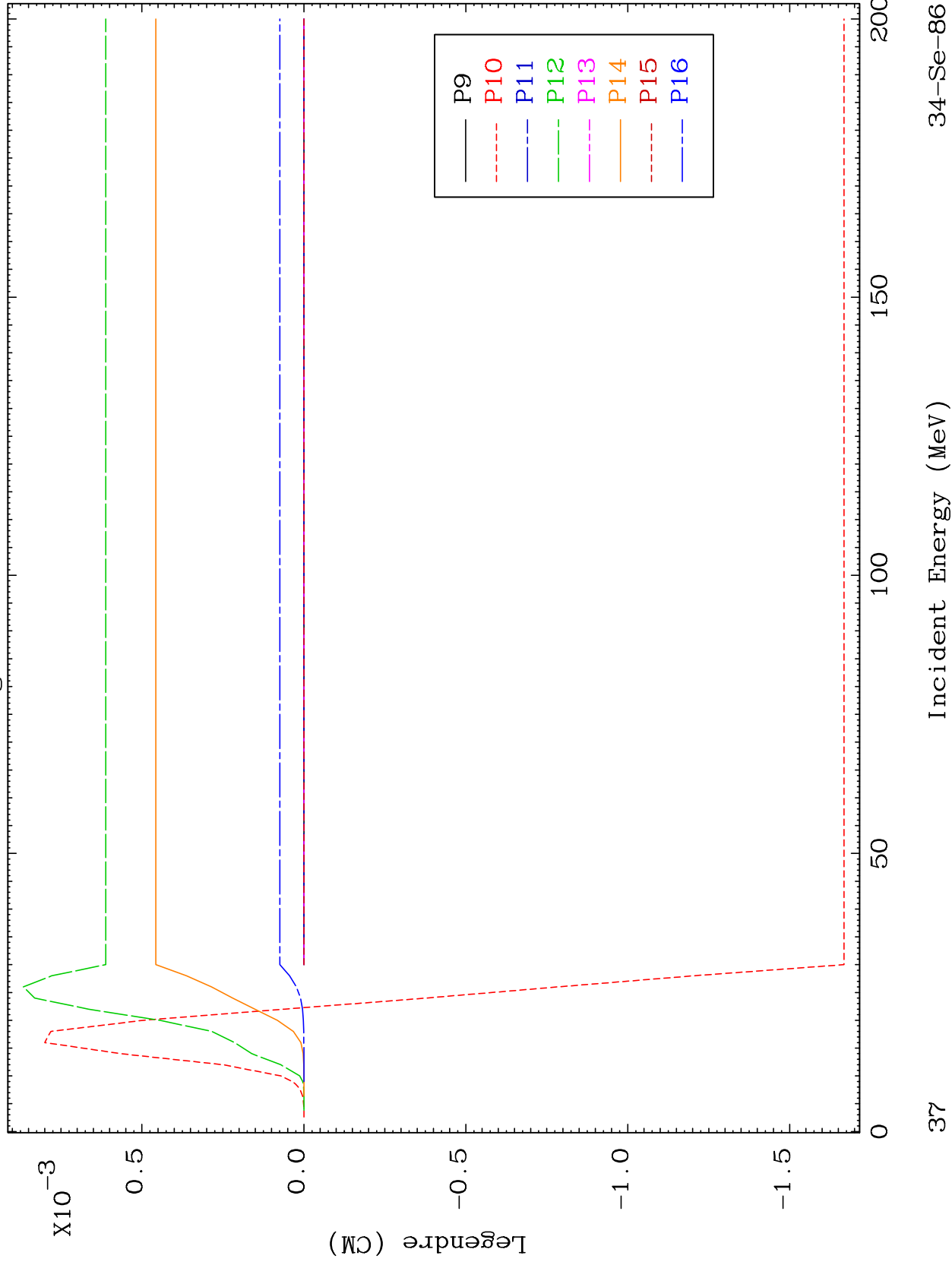
<sup>34</sup>Se-86



MAT 3461

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

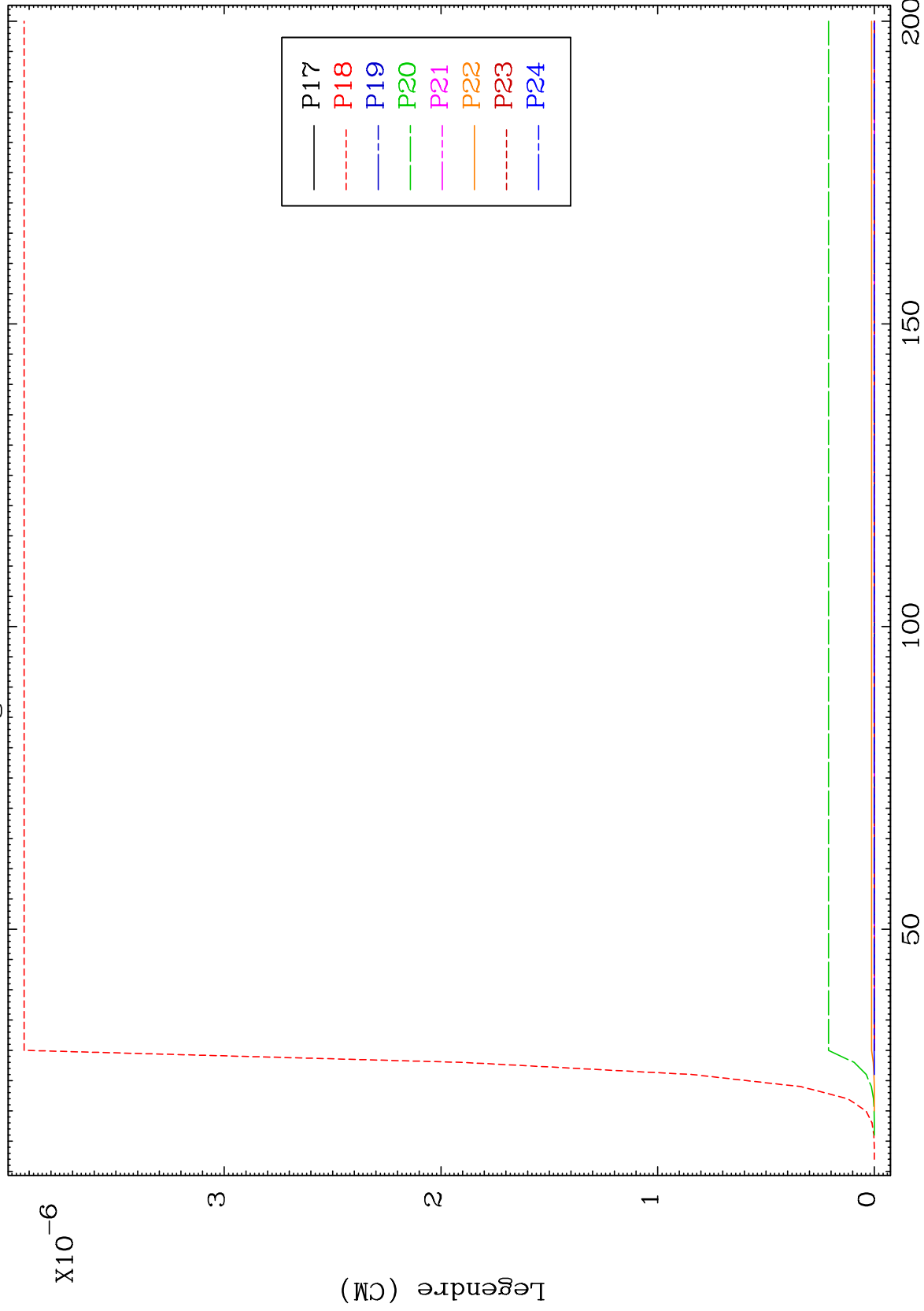
34-Se-86



MAT 3461

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

34-Se-86



38

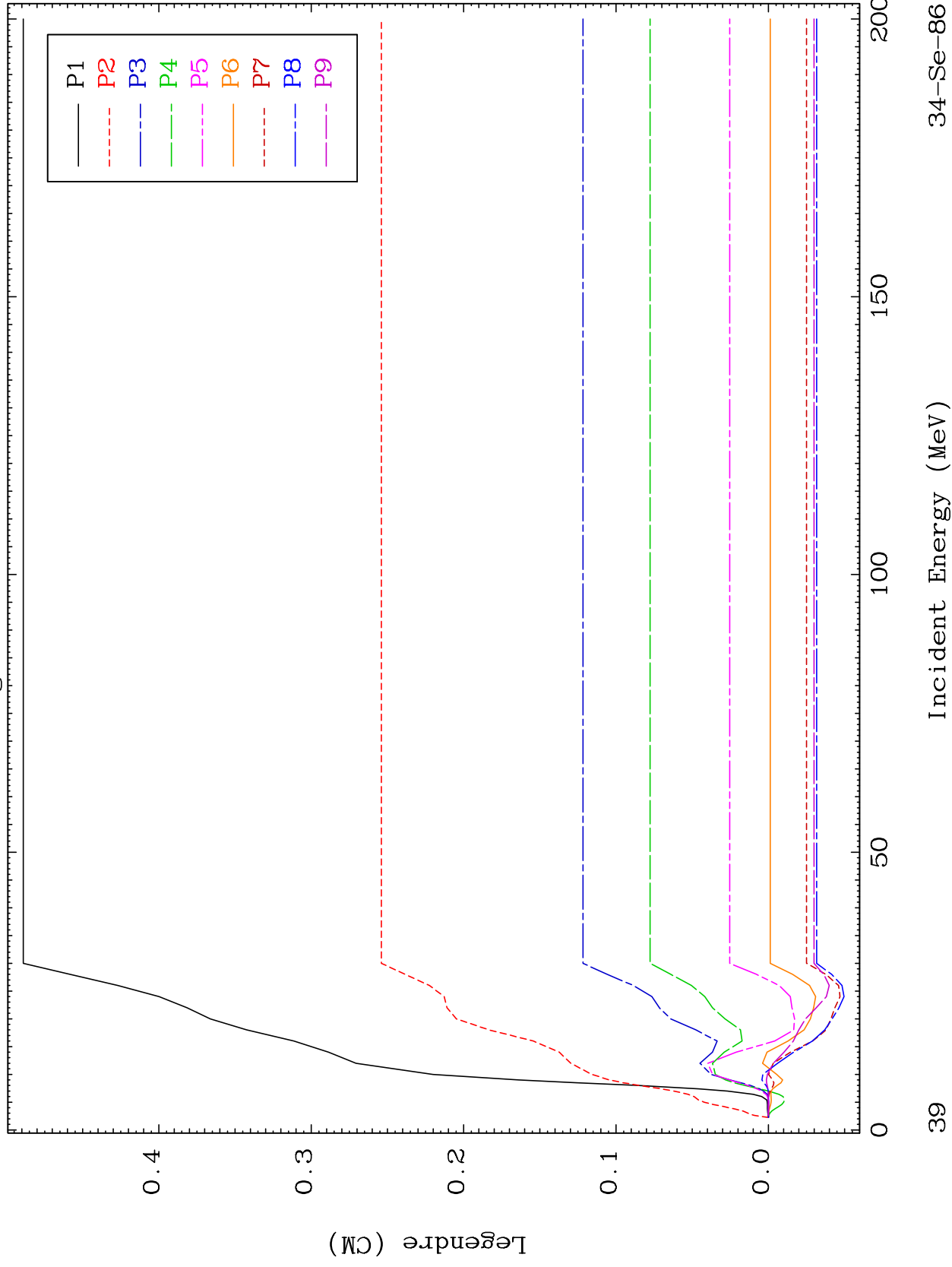
Incident Energy (MeV)

34-Se-86

MAT 3461

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

<sup>34</sup>Se-86



39

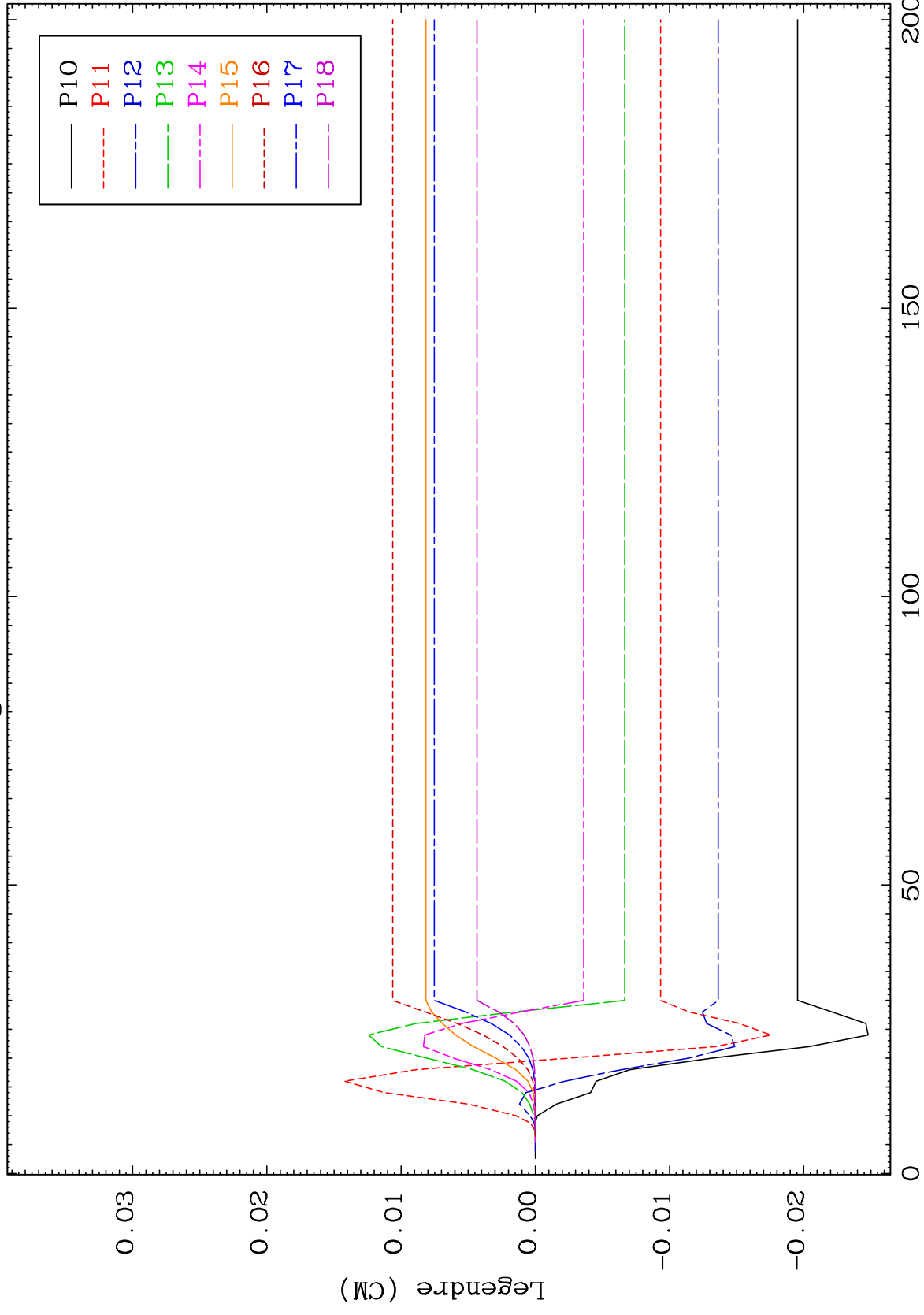
Incident Energy (MeV)

<sup>34</sup>Se-86

MAT 3461

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

<sup>34</sup>Se-86



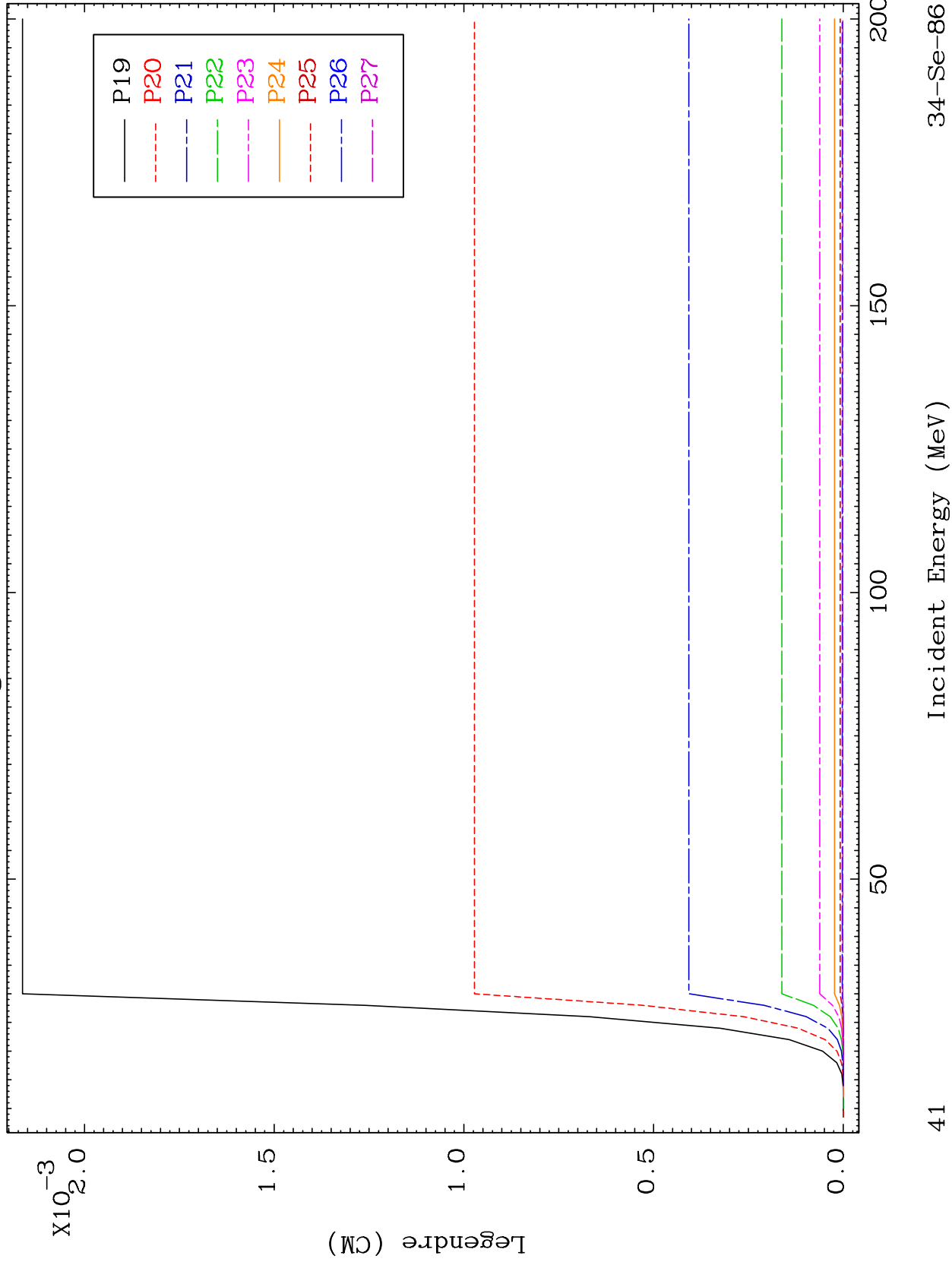
Incident Energy (MeV)

<sup>34</sup>Se-86

MAT 3461

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

<sup>34</sup>Se-86



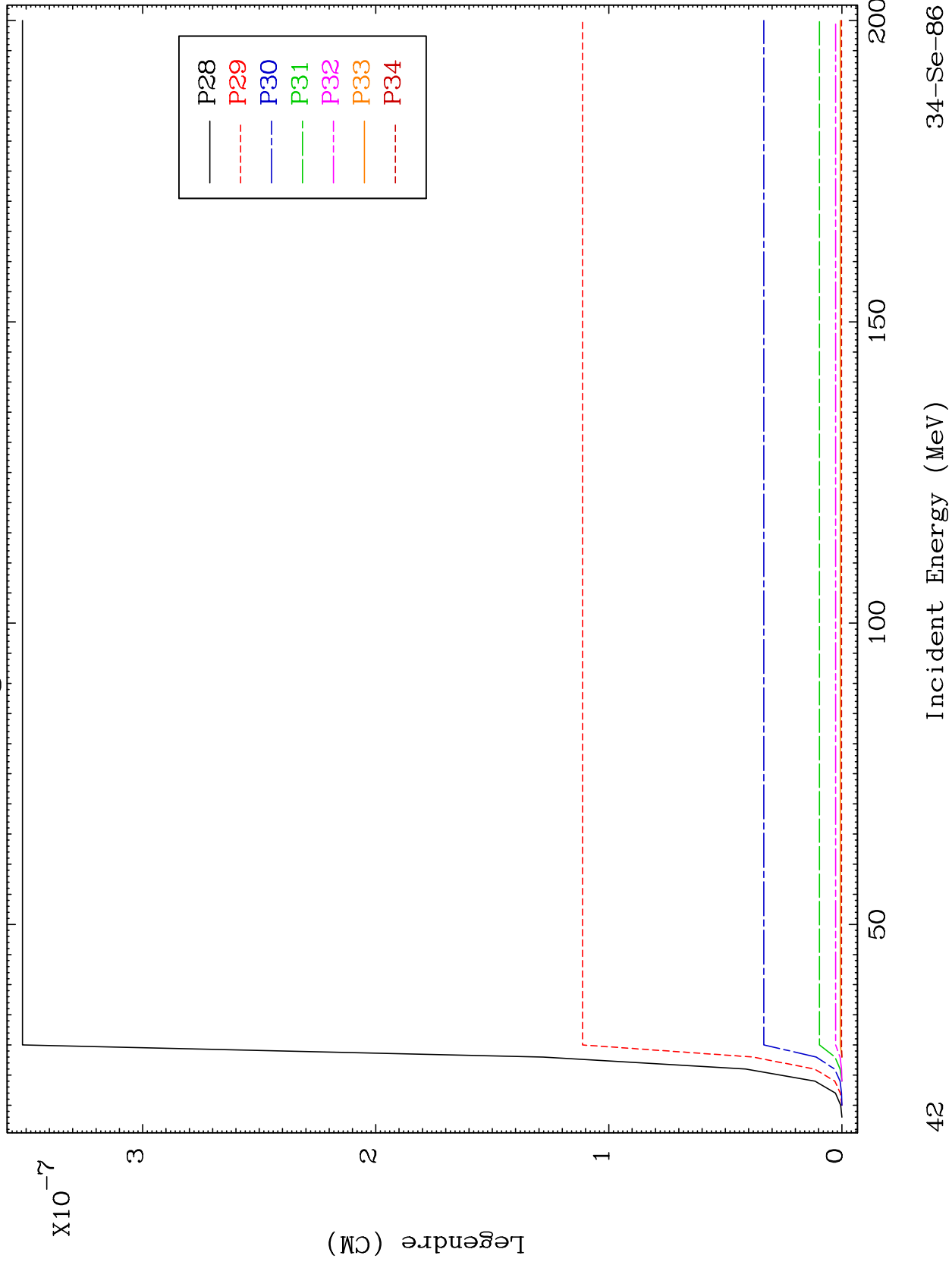
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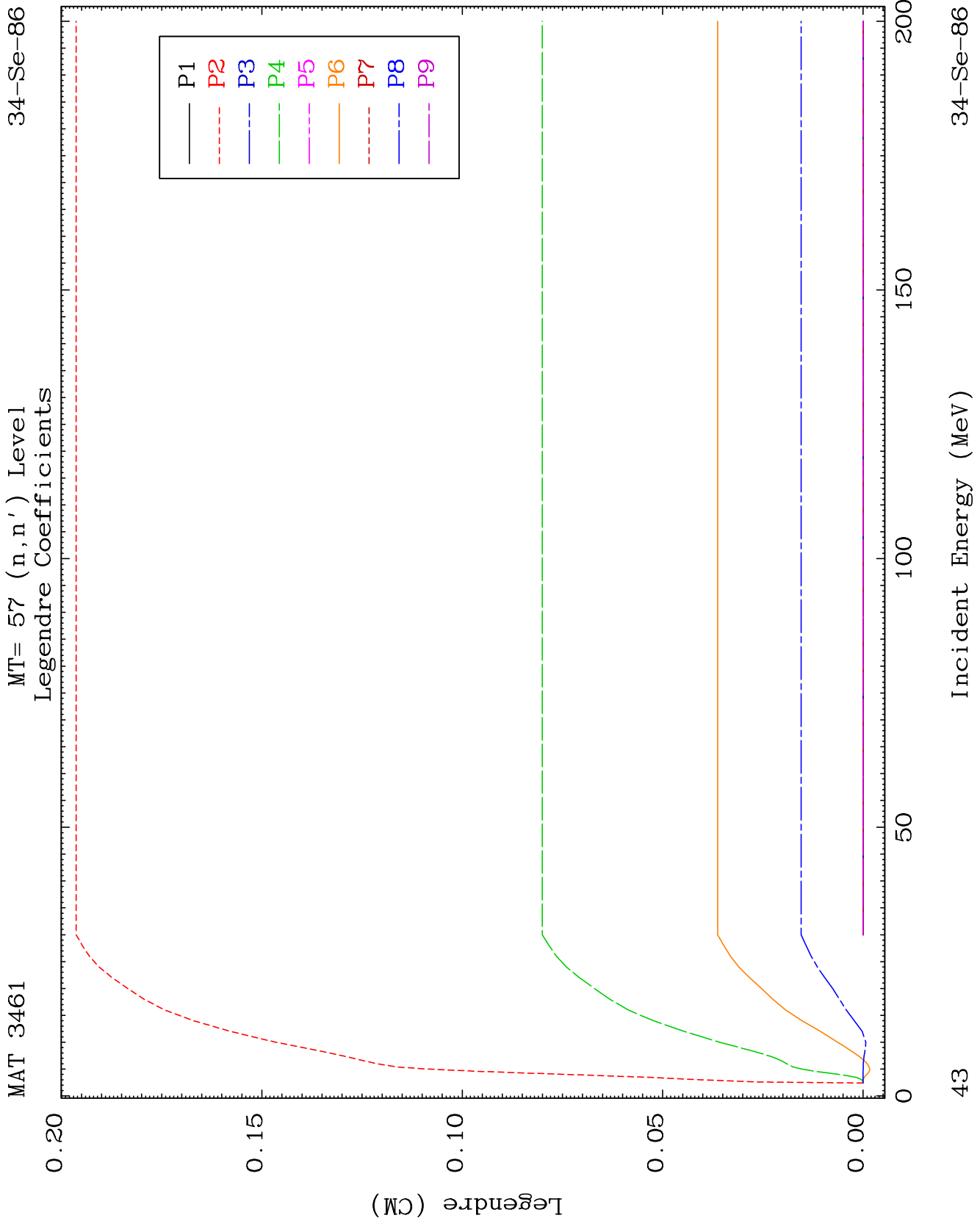
<sup>34</sup>Se-86

MAT 3461

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

34-Se-86





34-Se-86

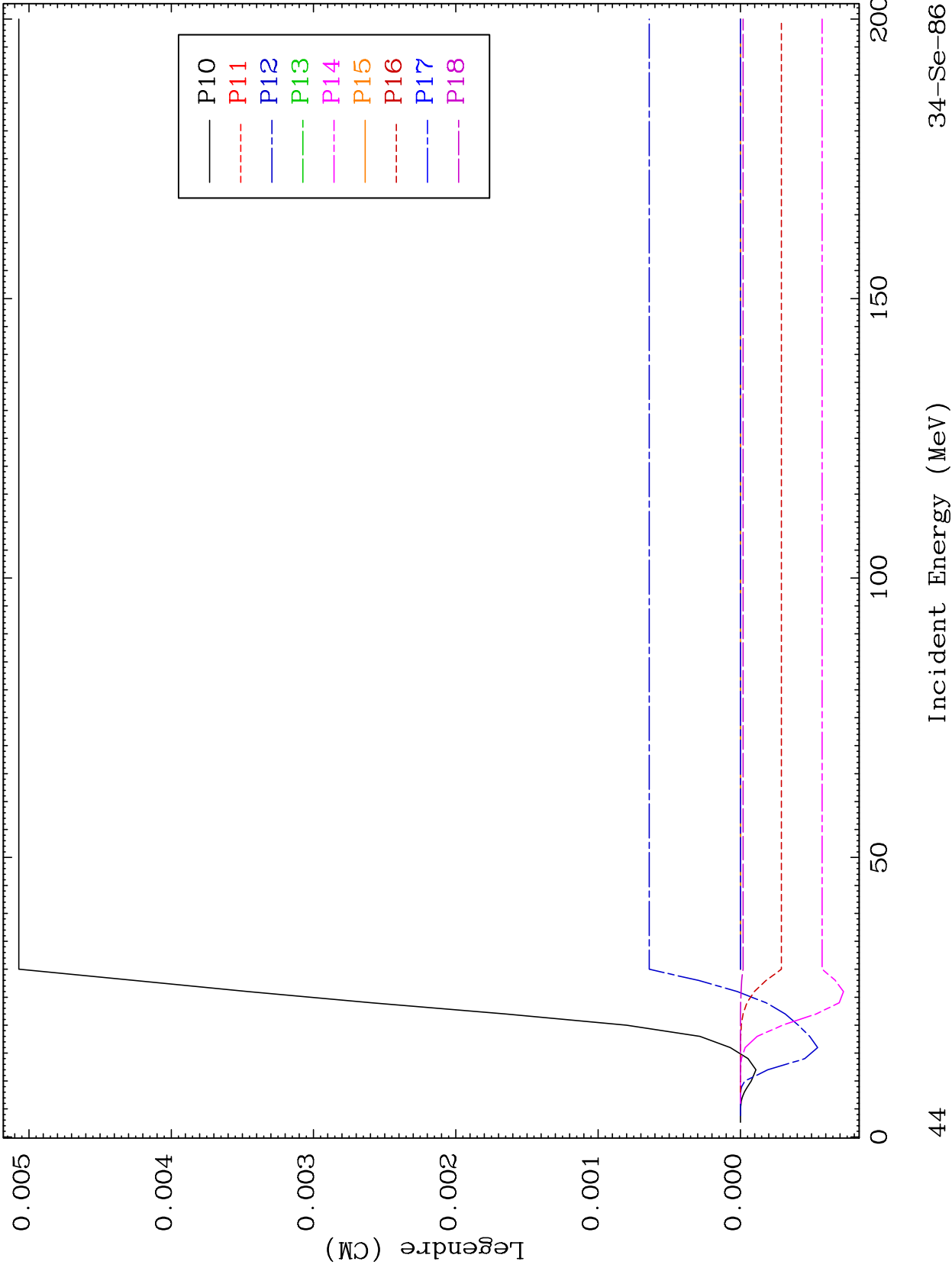
Incident Energy (MeV)

43

MAT 3461

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

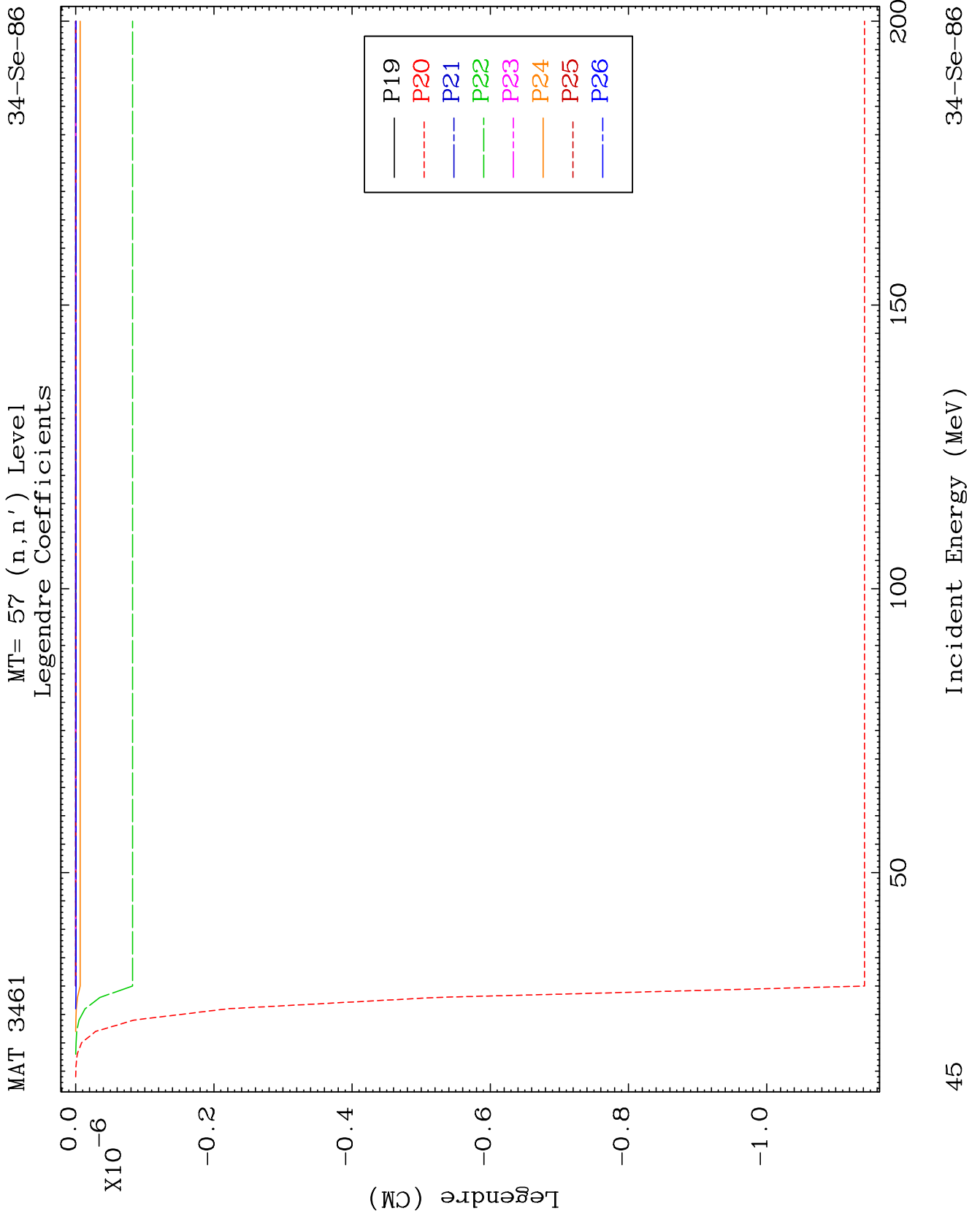
34-Se-86



44

Incident Energy (MeV)

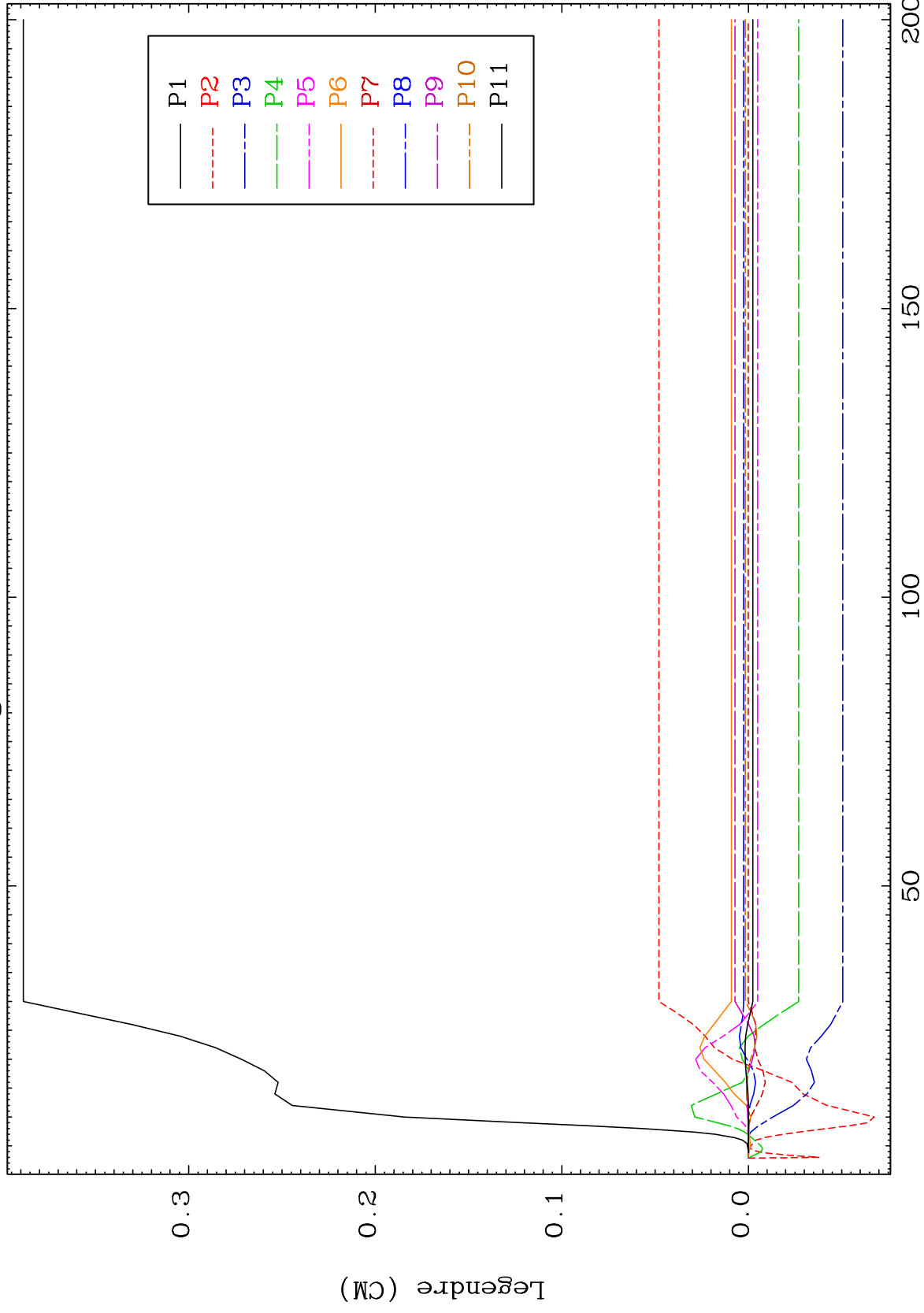
34-Se-86



MAT 3461

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

<sup>34</sup>Se-86



46

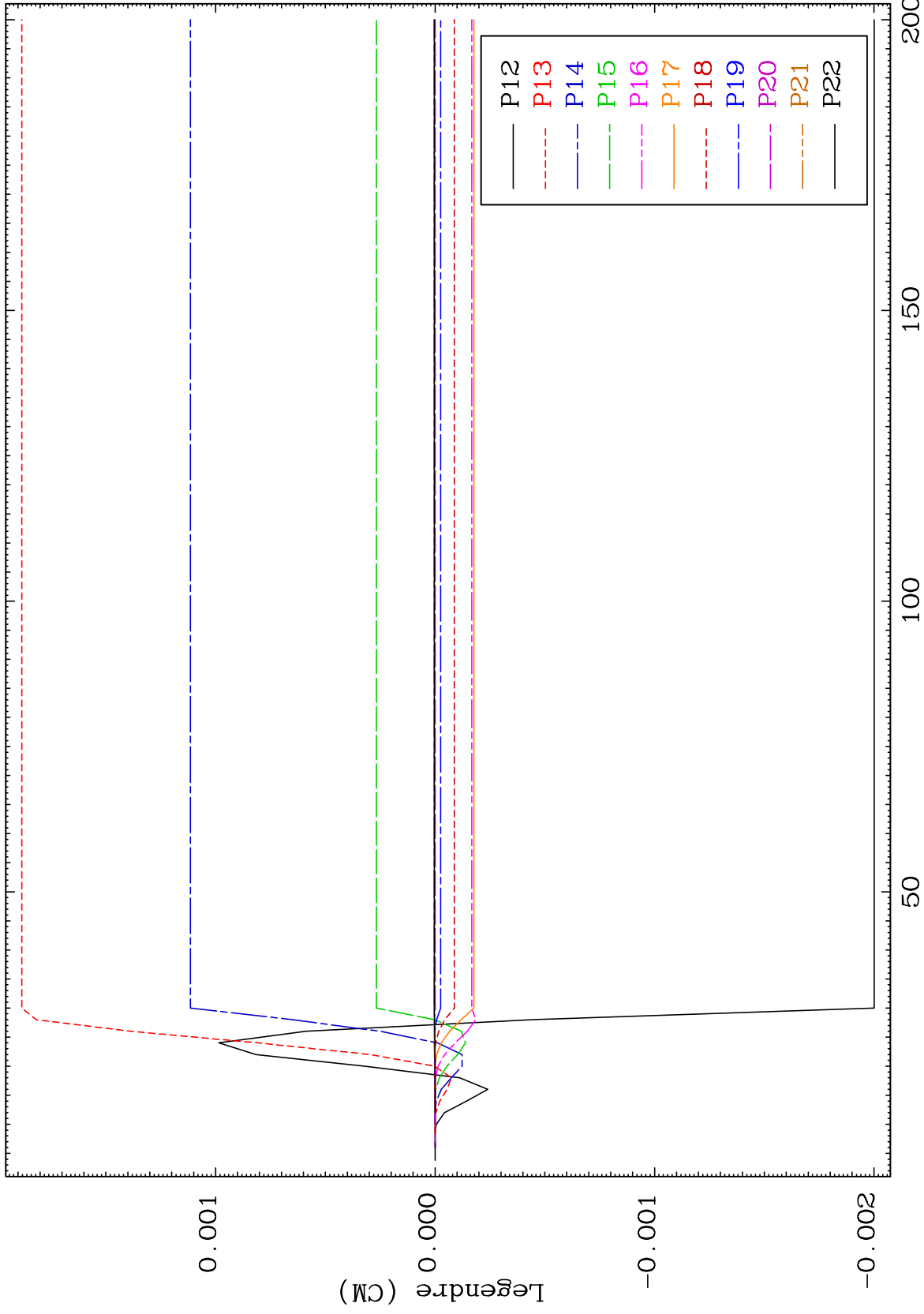
Incident Energy (MeV)

<sup>34</sup>Se-86

MAT 3461

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

34-Se-86



47

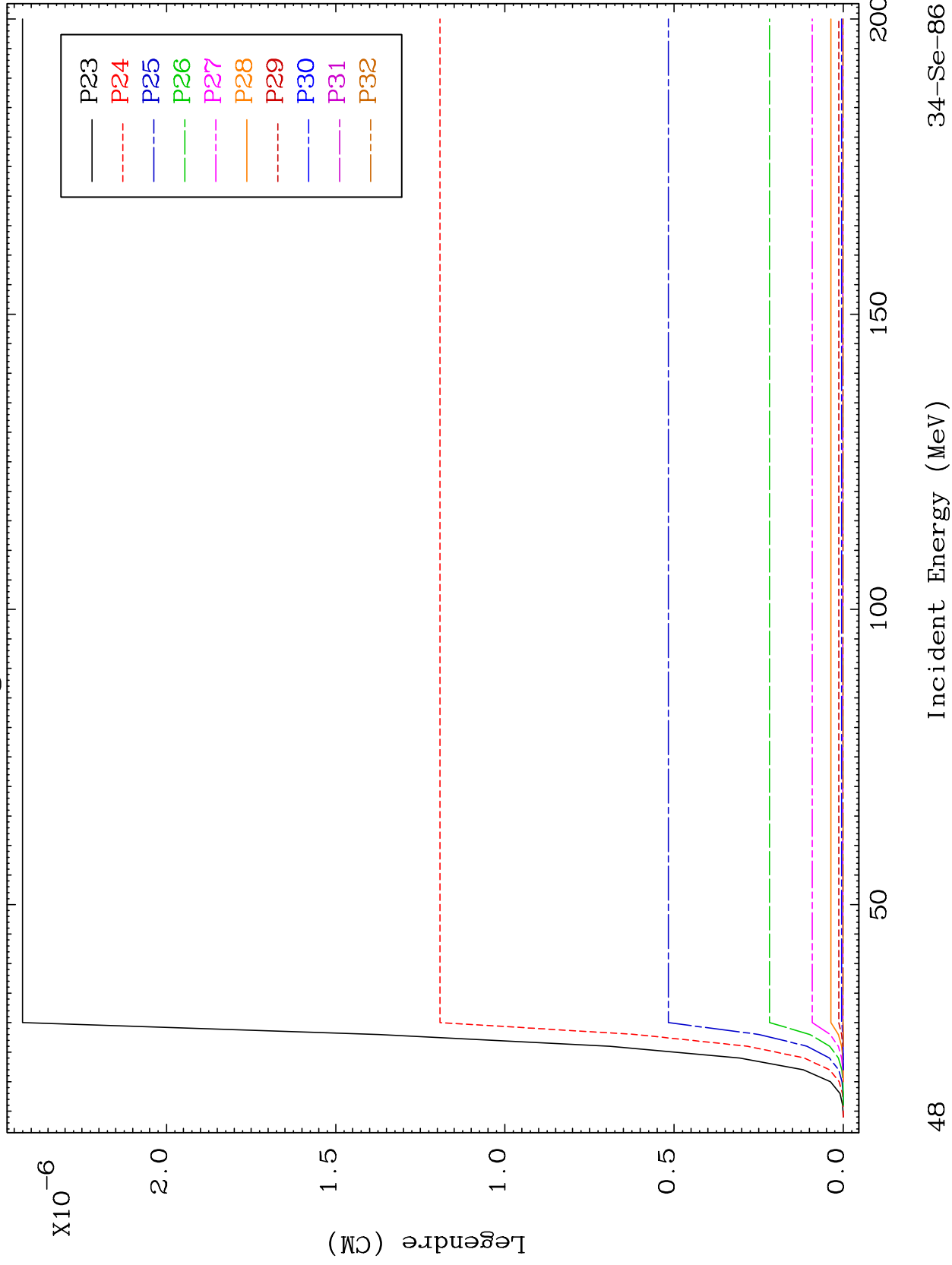
Incident Energy (MeV)

34-Se-86

MAT 3461

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

<sup>34</sup>Se-86



48

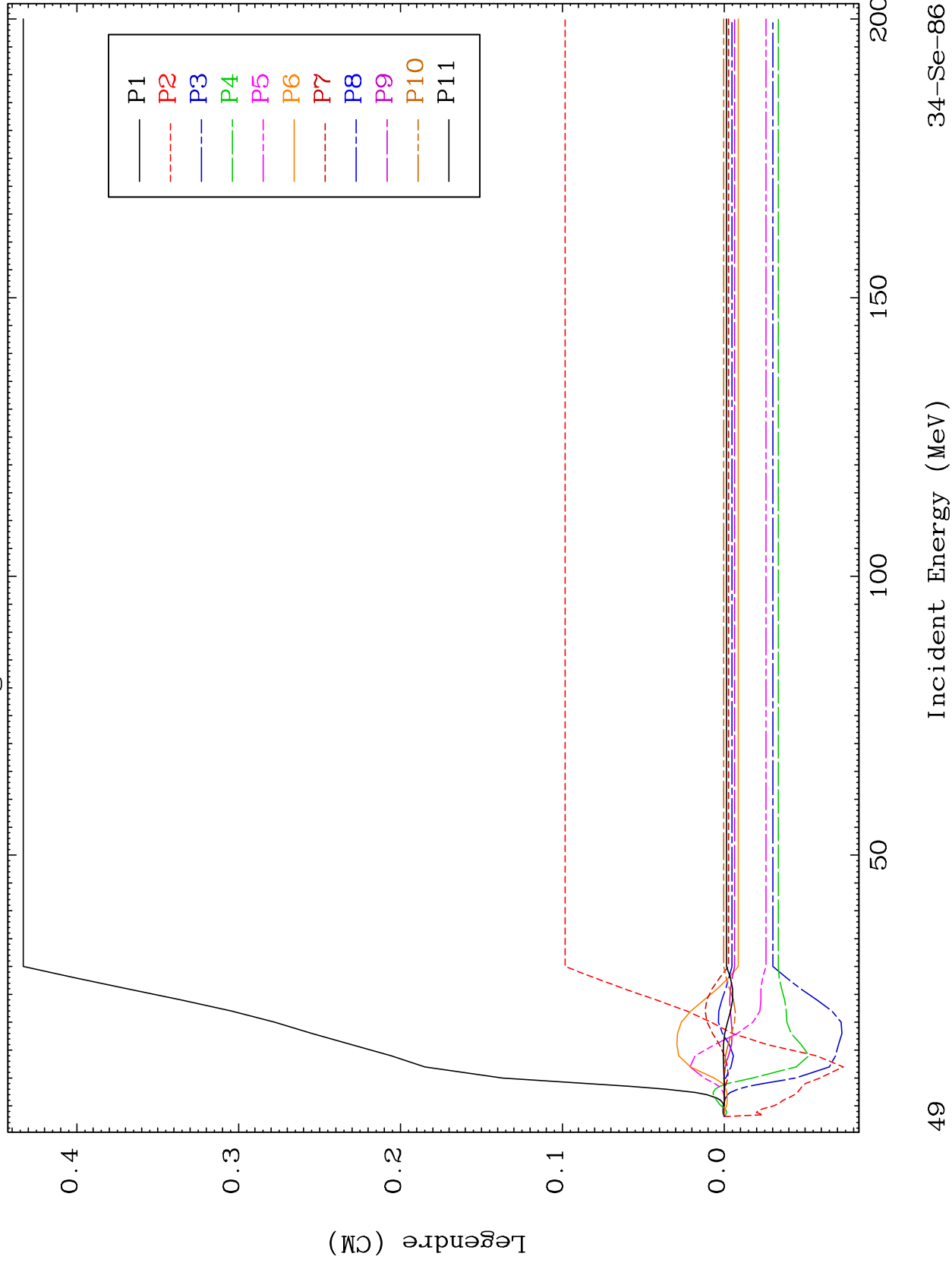
Incident Energy (MeV)

<sup>34</sup>Se-86

MAT 3461

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

<sup>34</sup>Se-86



49

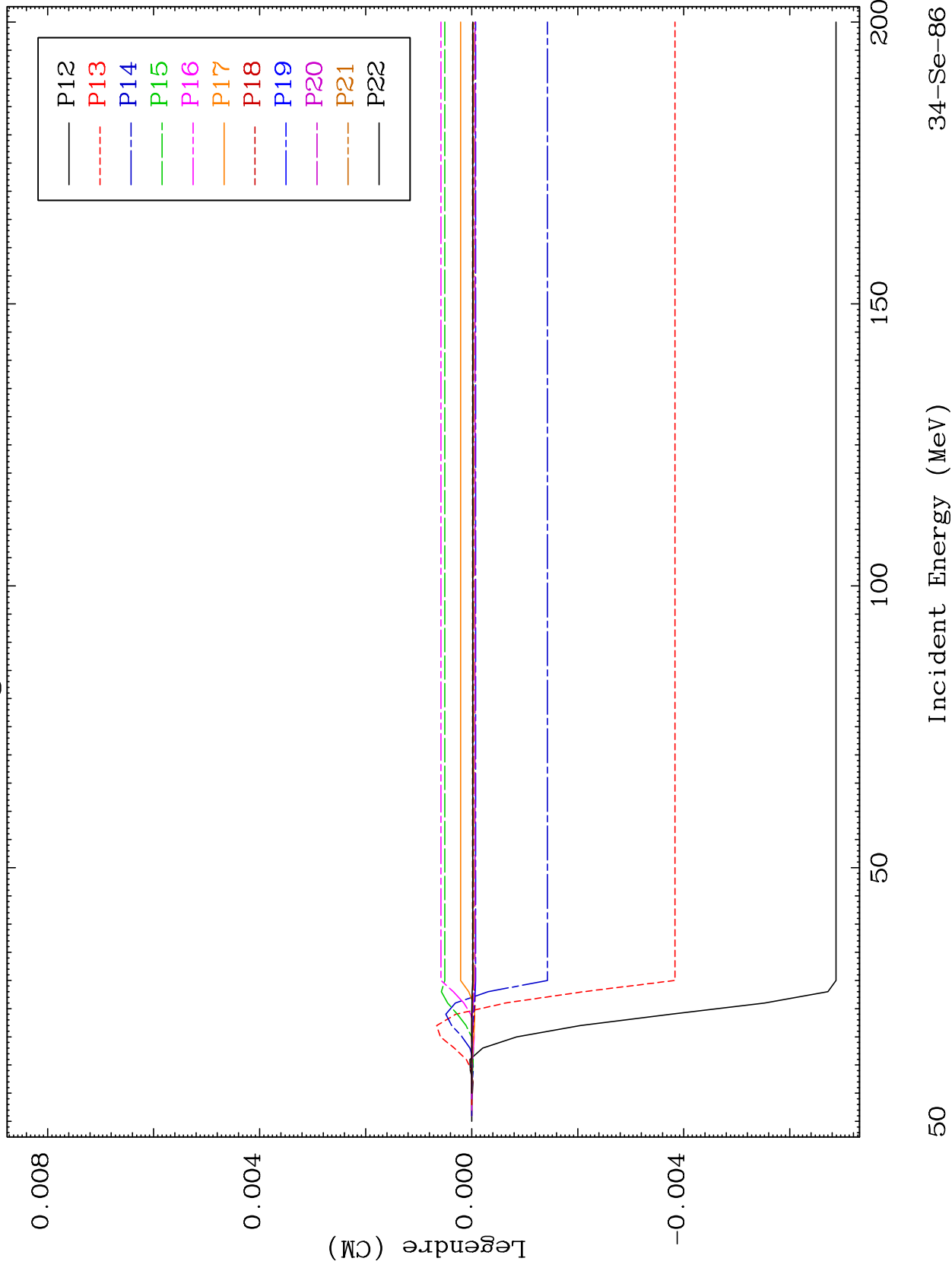
Incident Energy (MeV)

<sup>34</sup>Se-86

MAT 3461

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

<sup>34</sup>Se-86



<sup>34</sup>Se-86

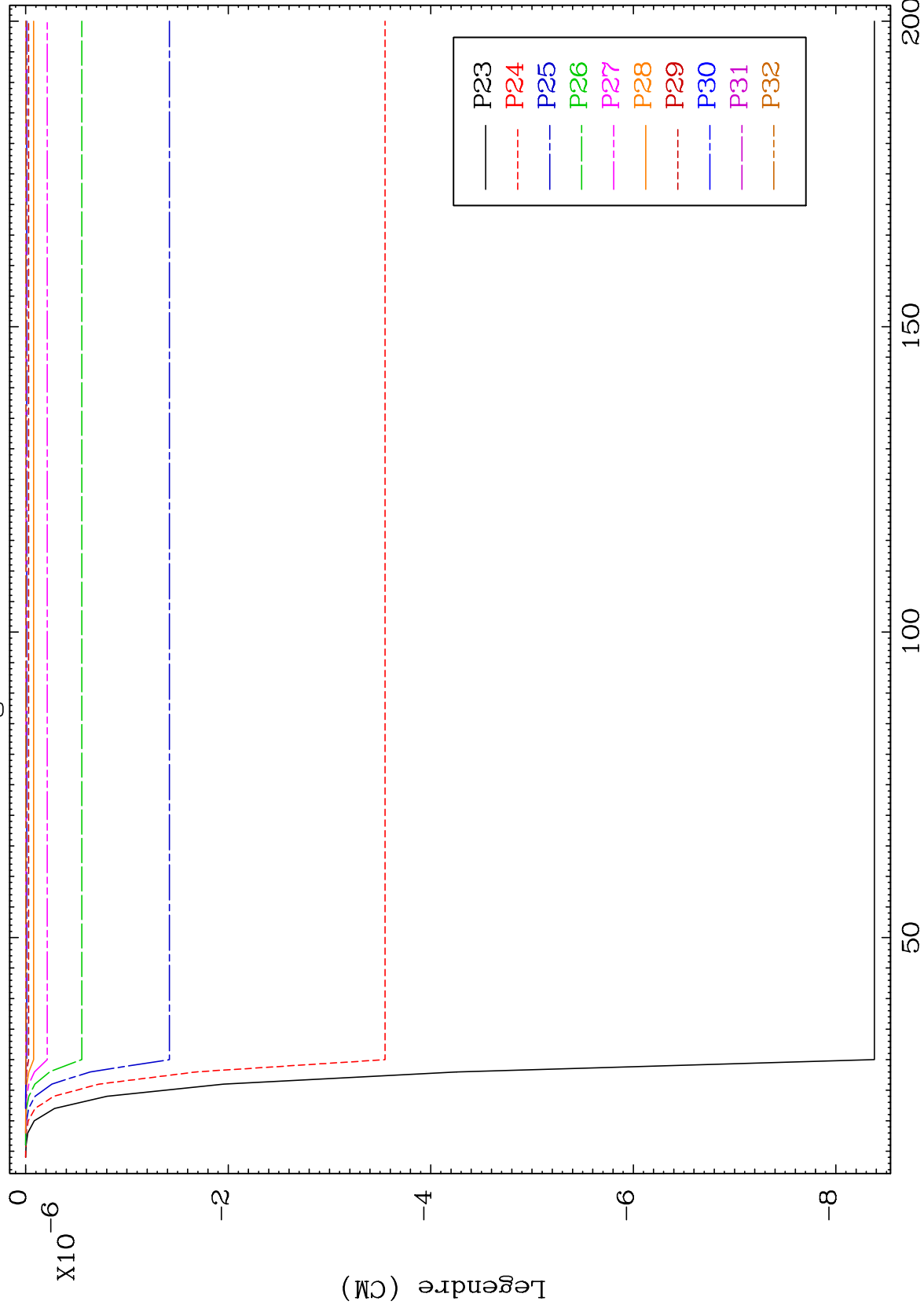
Incident Energy (MeV)

50

MAT 3461

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

<sup>34</sup>Se-86



51

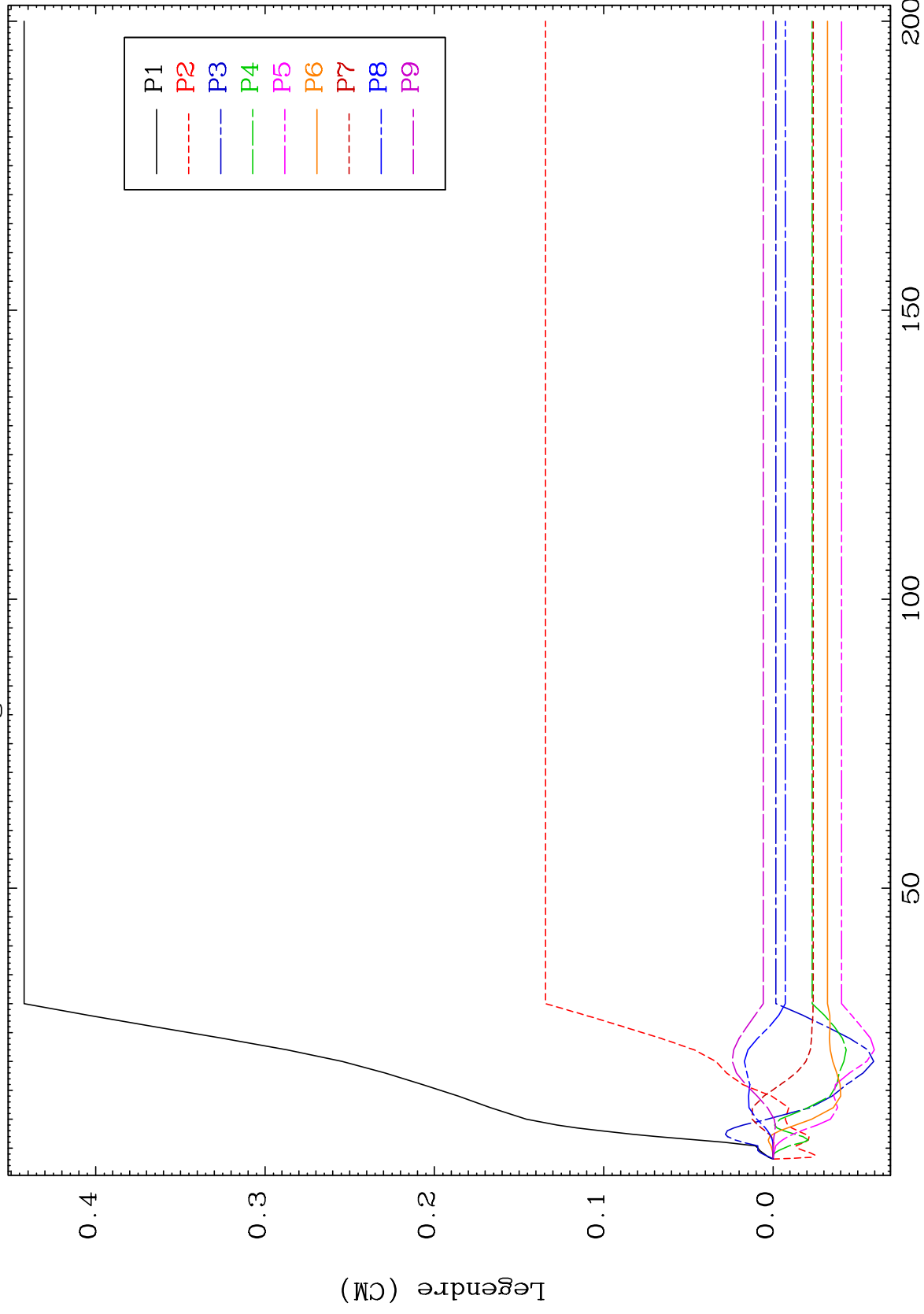
Incident Energy (MeV)

<sup>34</sup>Se-86

MAT 3461

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

<sup>34</sup>Se-86



52

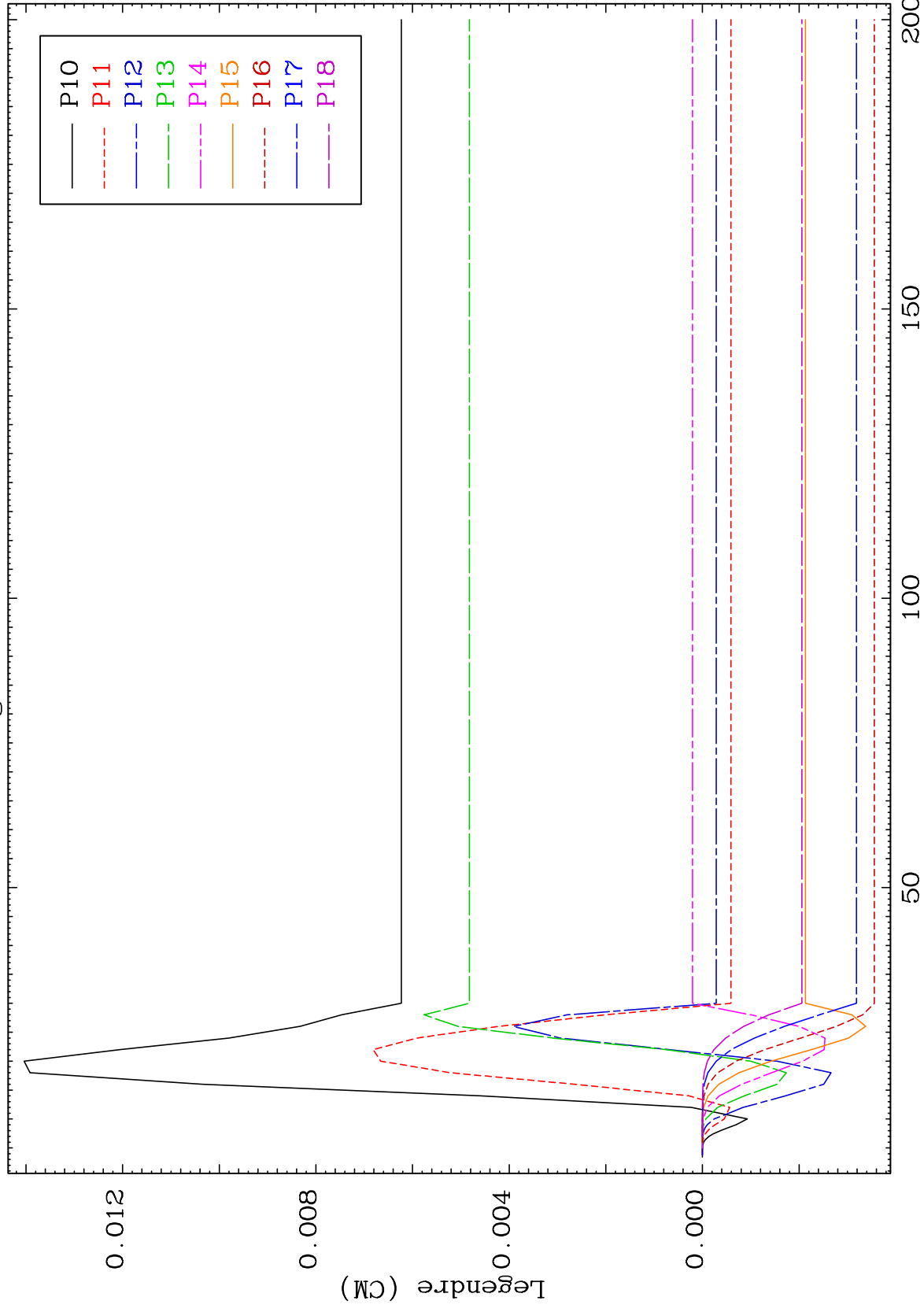
Incident Energy (MeV)

<sup>34</sup>Se-86

MAT 3461

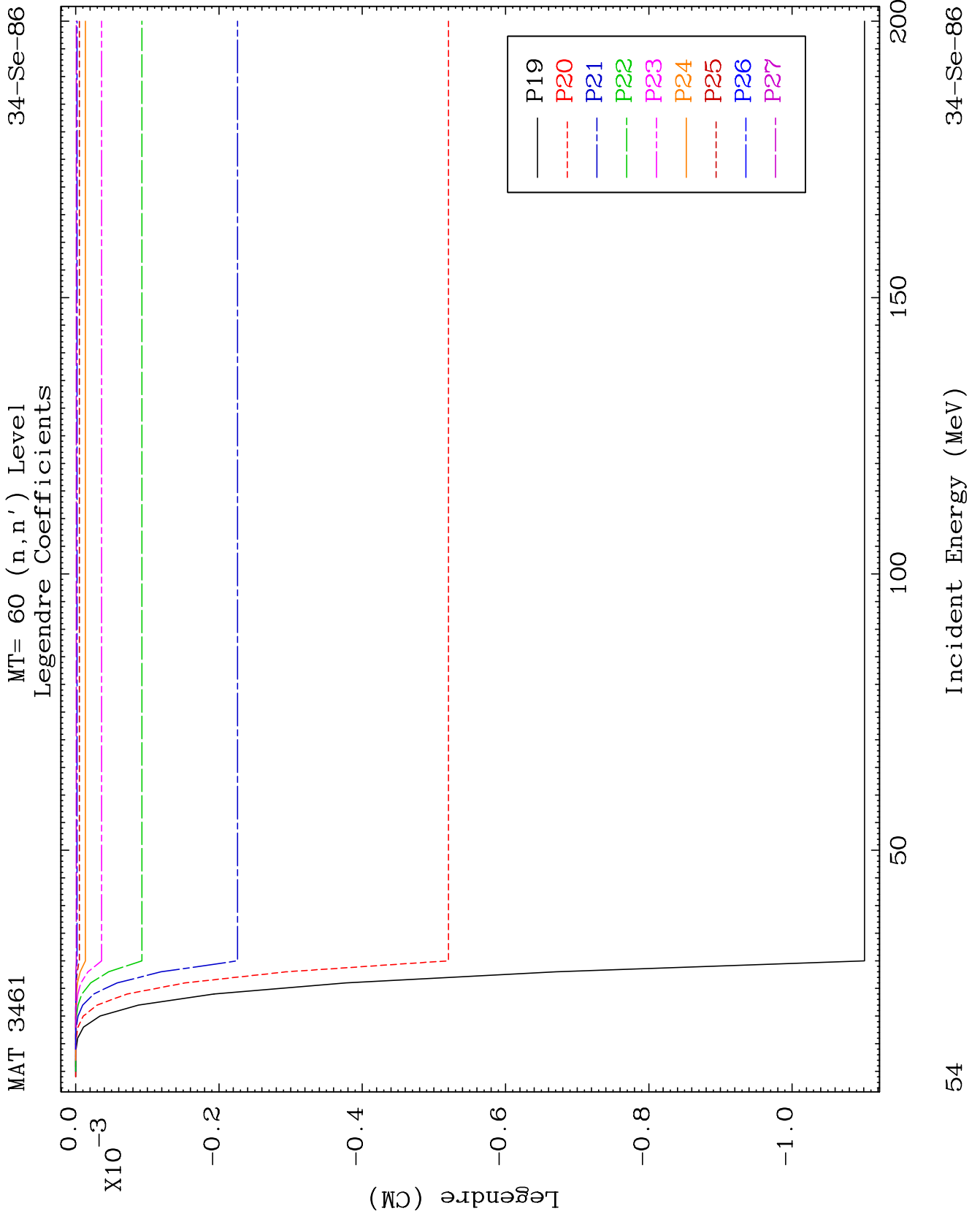
MT= 60 (n,n') Level  
Legendre Coefficients

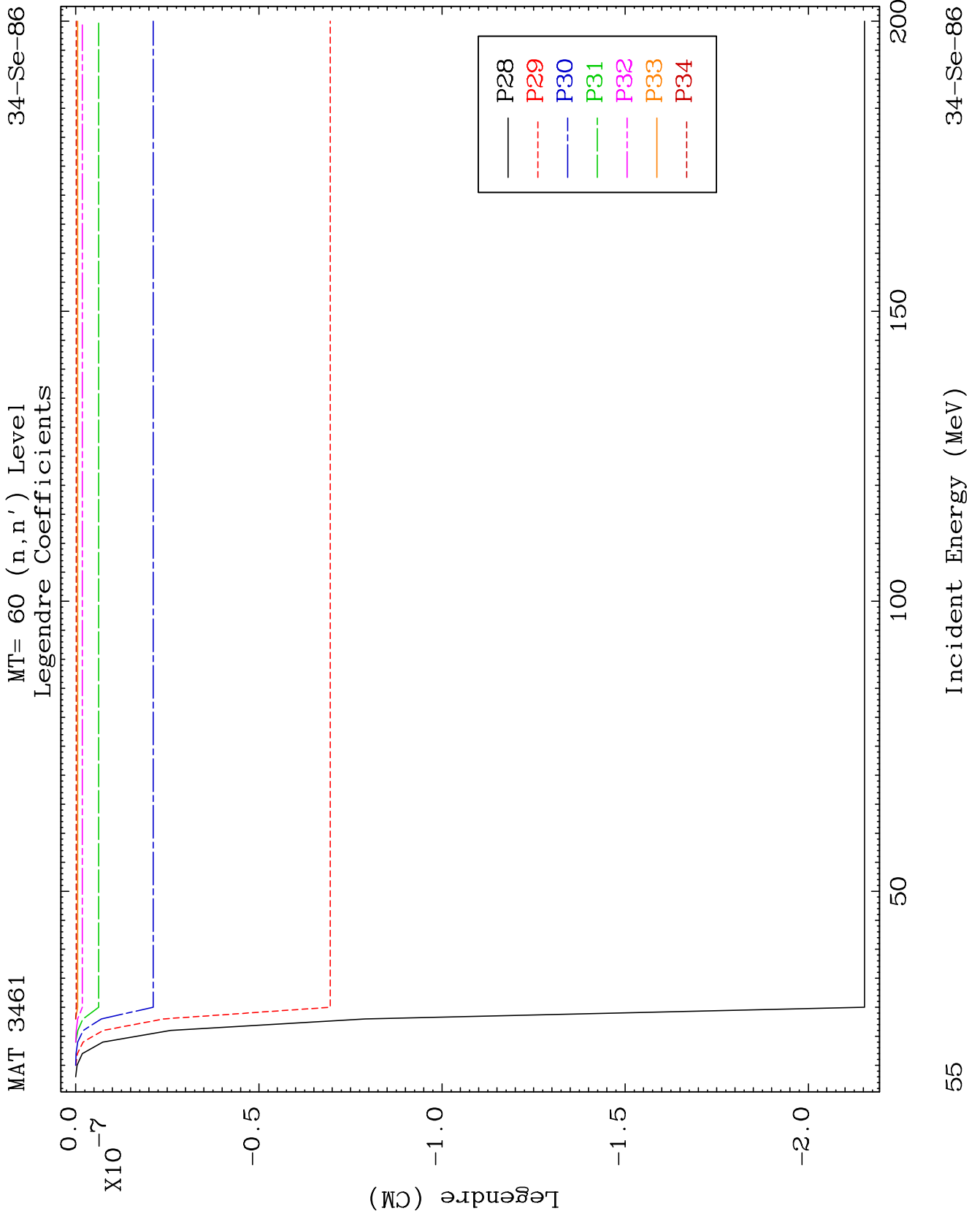
<sup>34</sup>Se-86

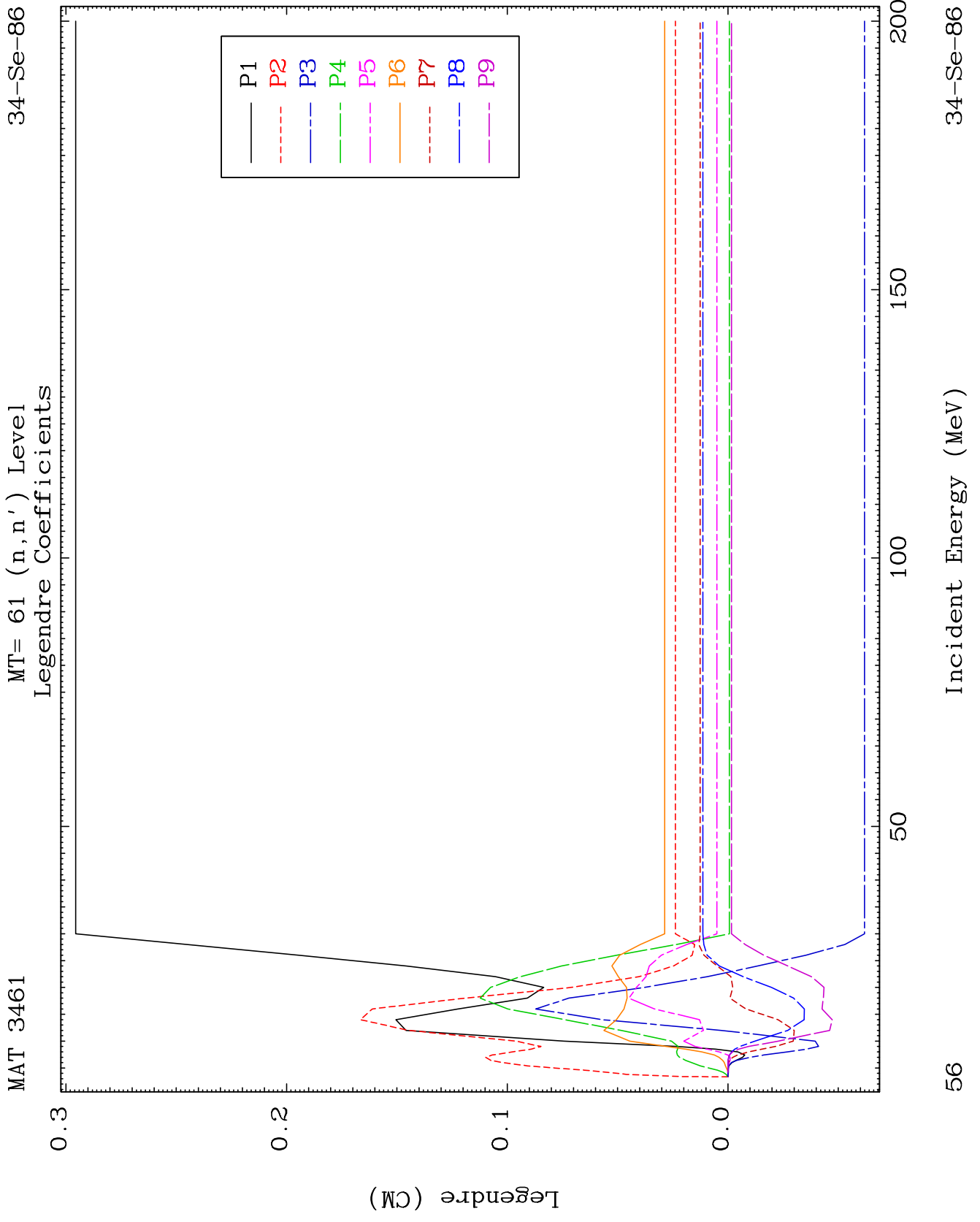


53

<sup>34</sup>Se-86



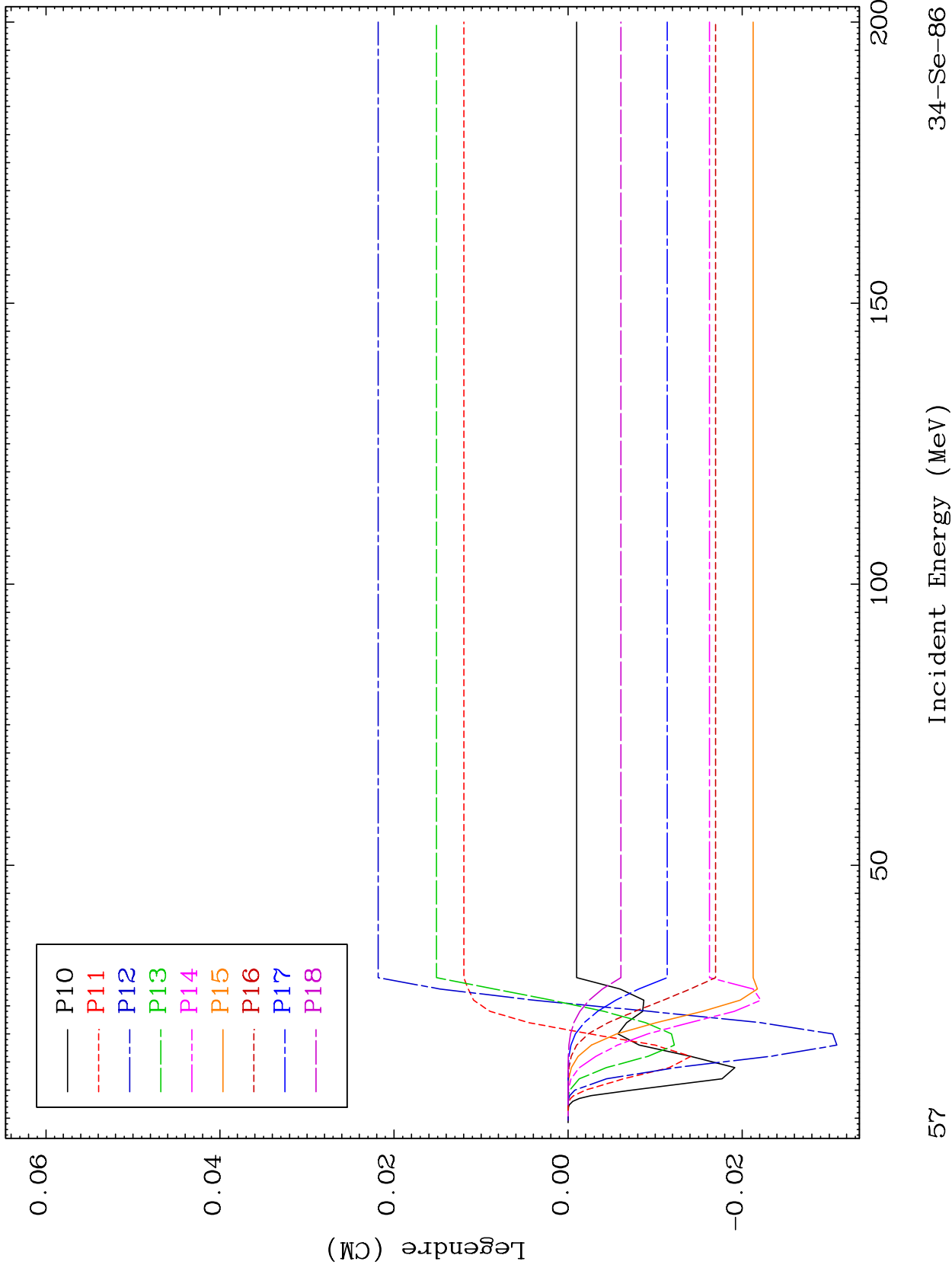


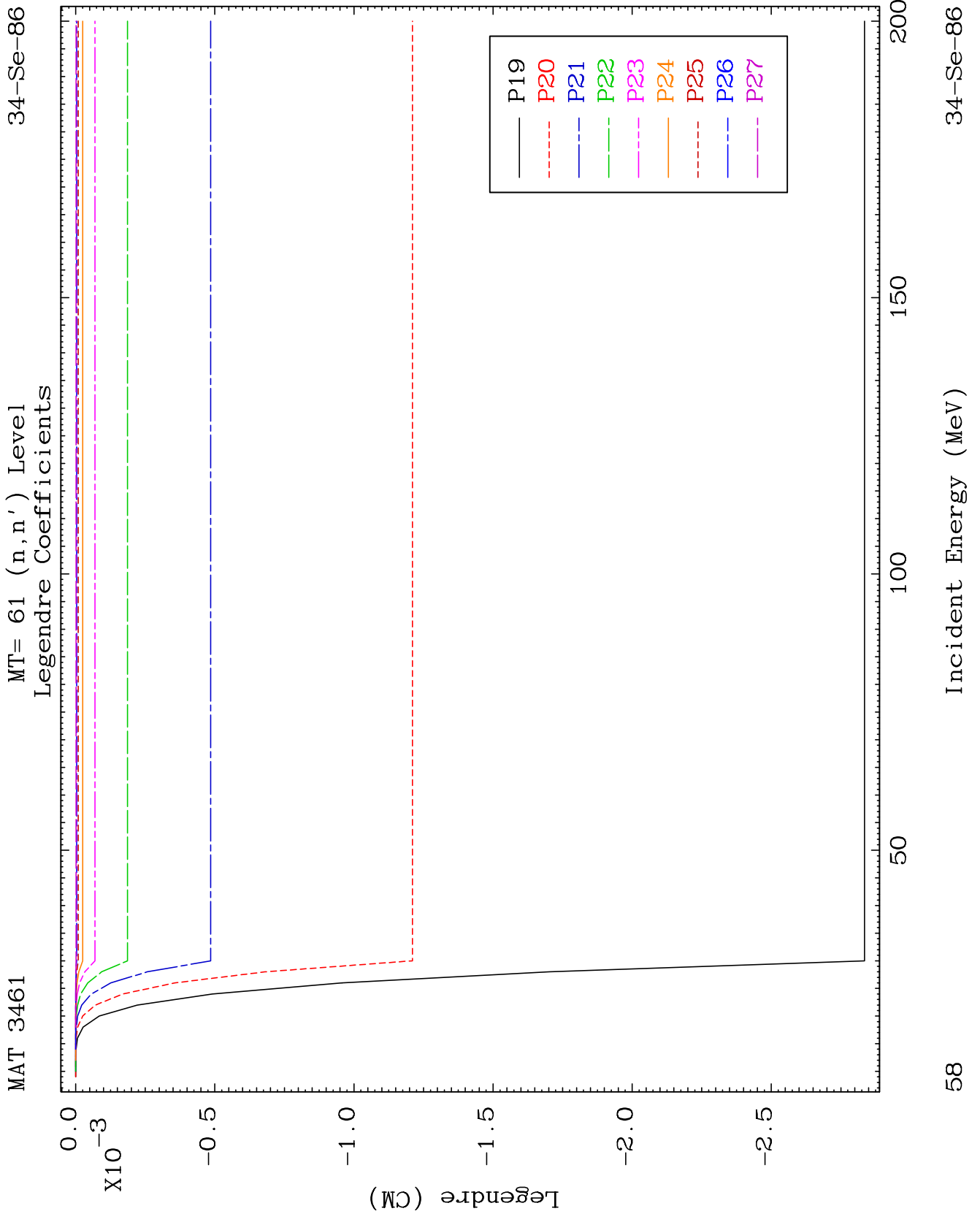


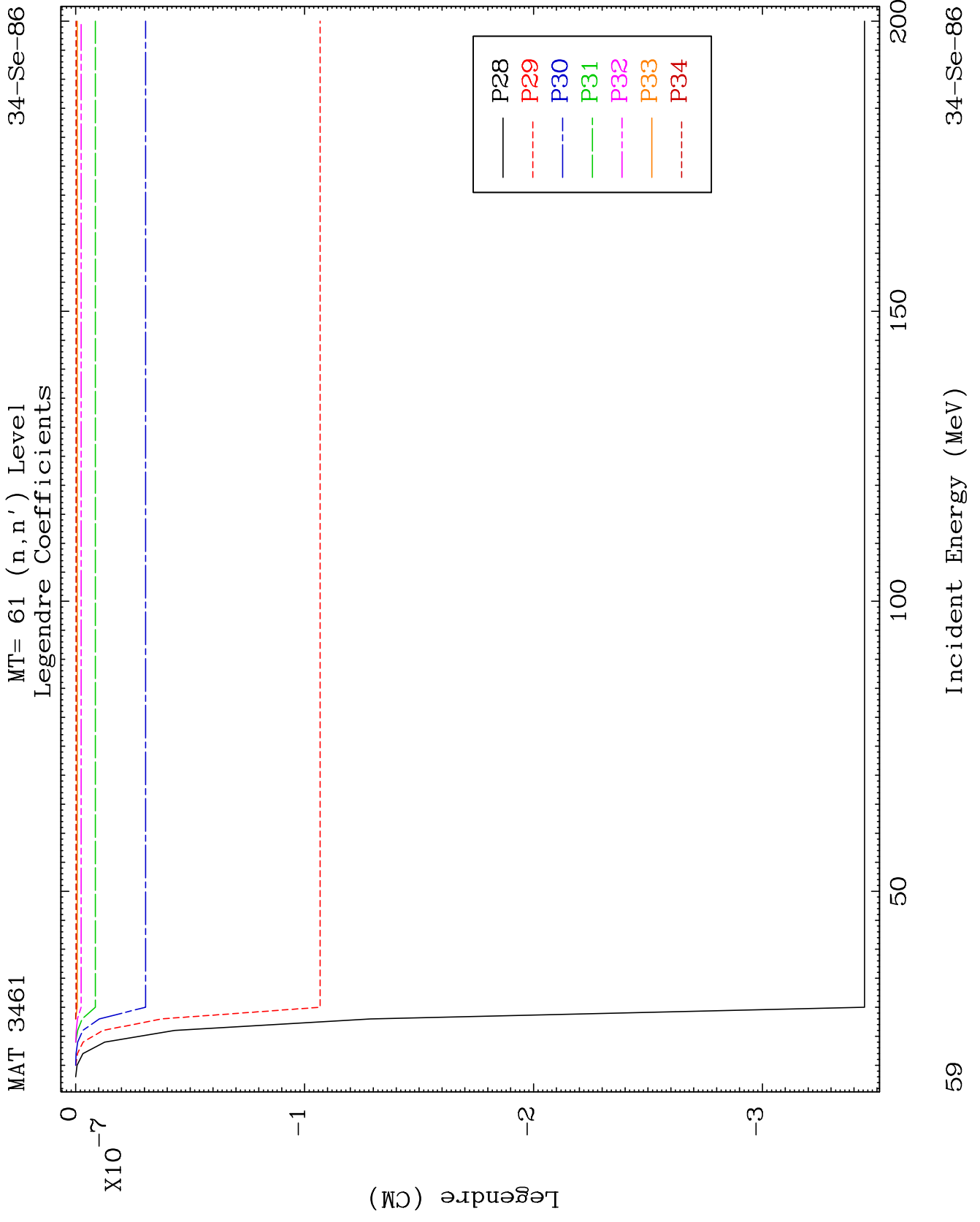
MAT 3461

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

34-Se-86



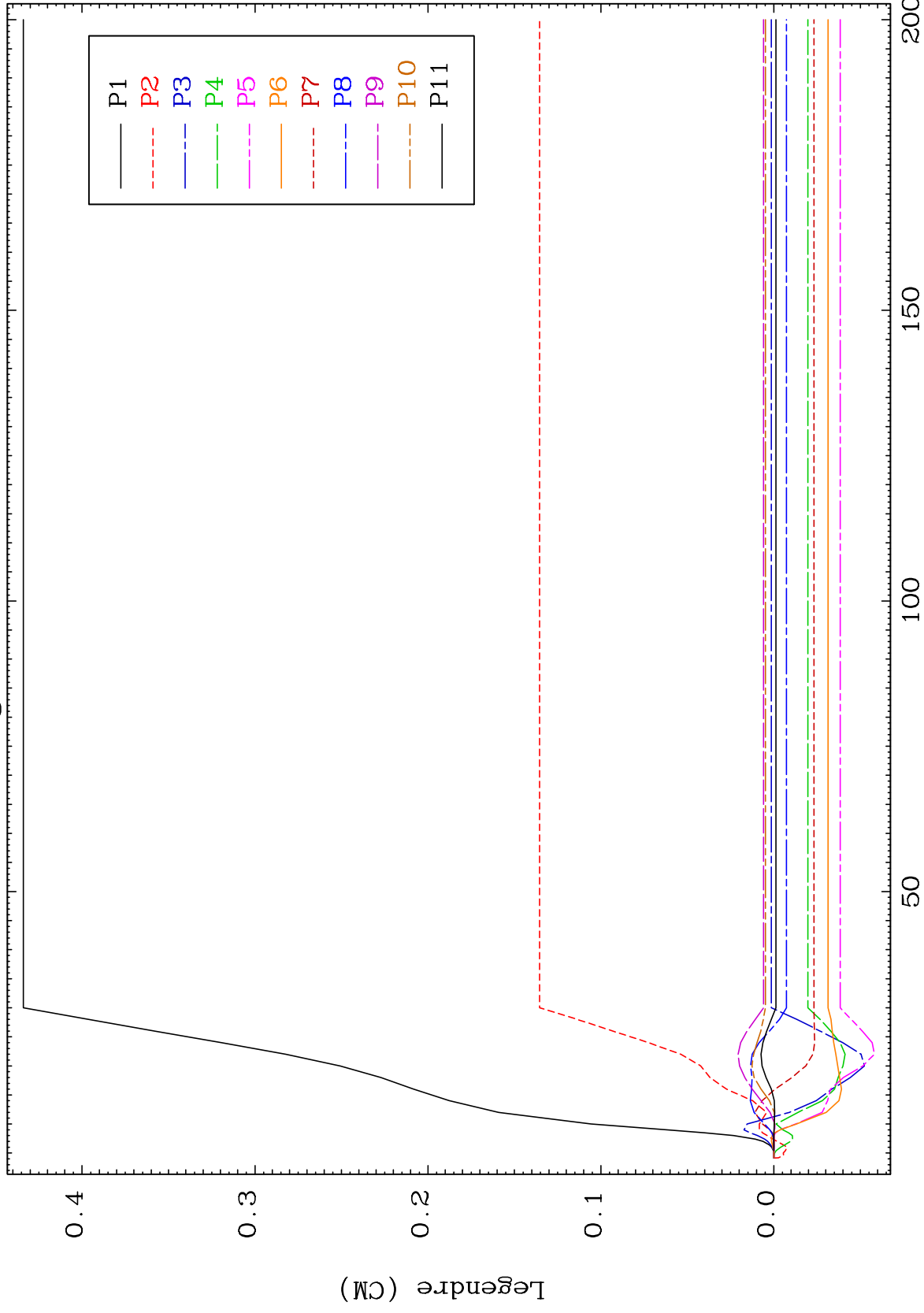




MAT 3461

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

<sup>34</sup>Se-86



60

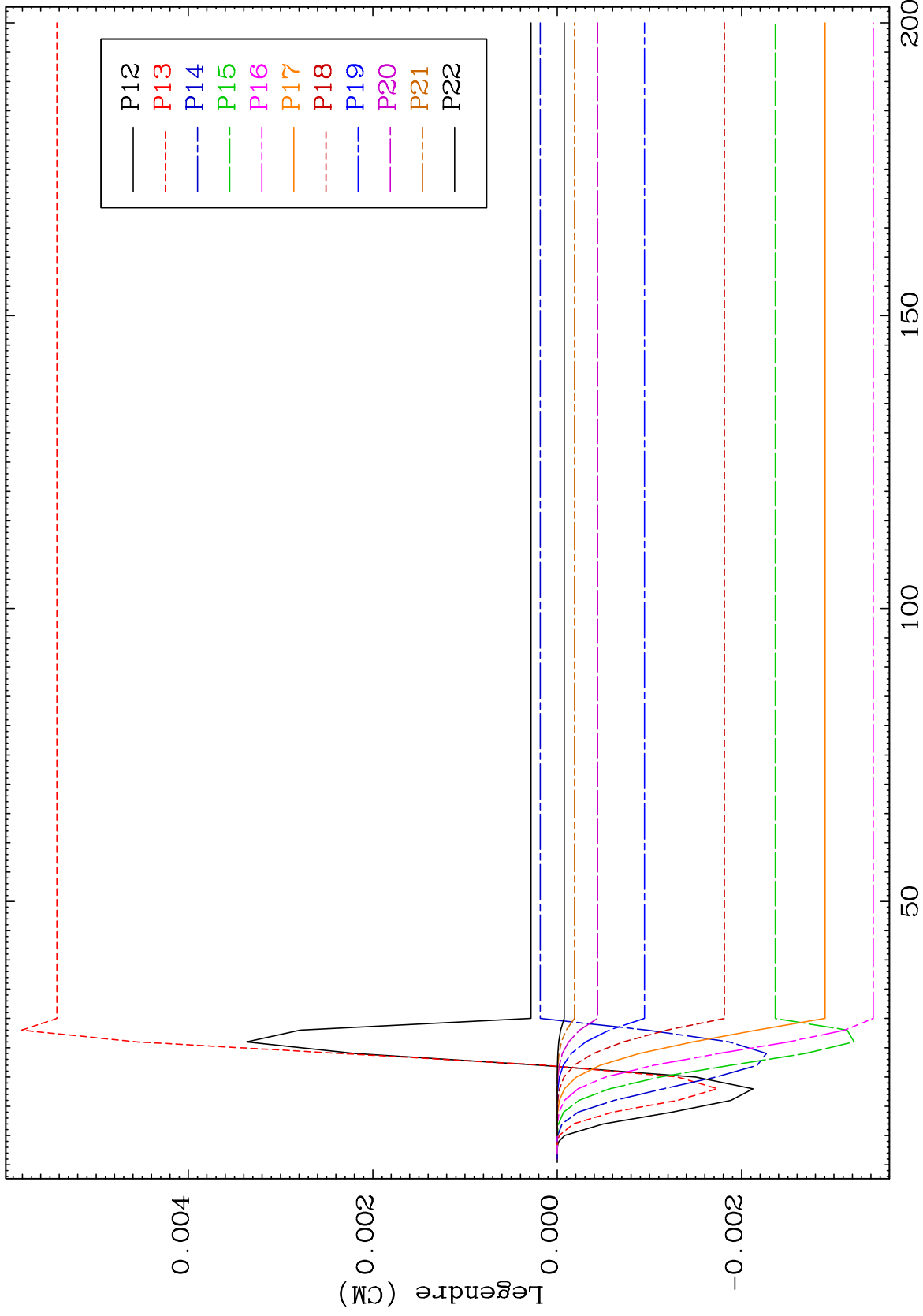
Incident Energy (MeV)

<sup>34</sup>Se-86

MAT 3461

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

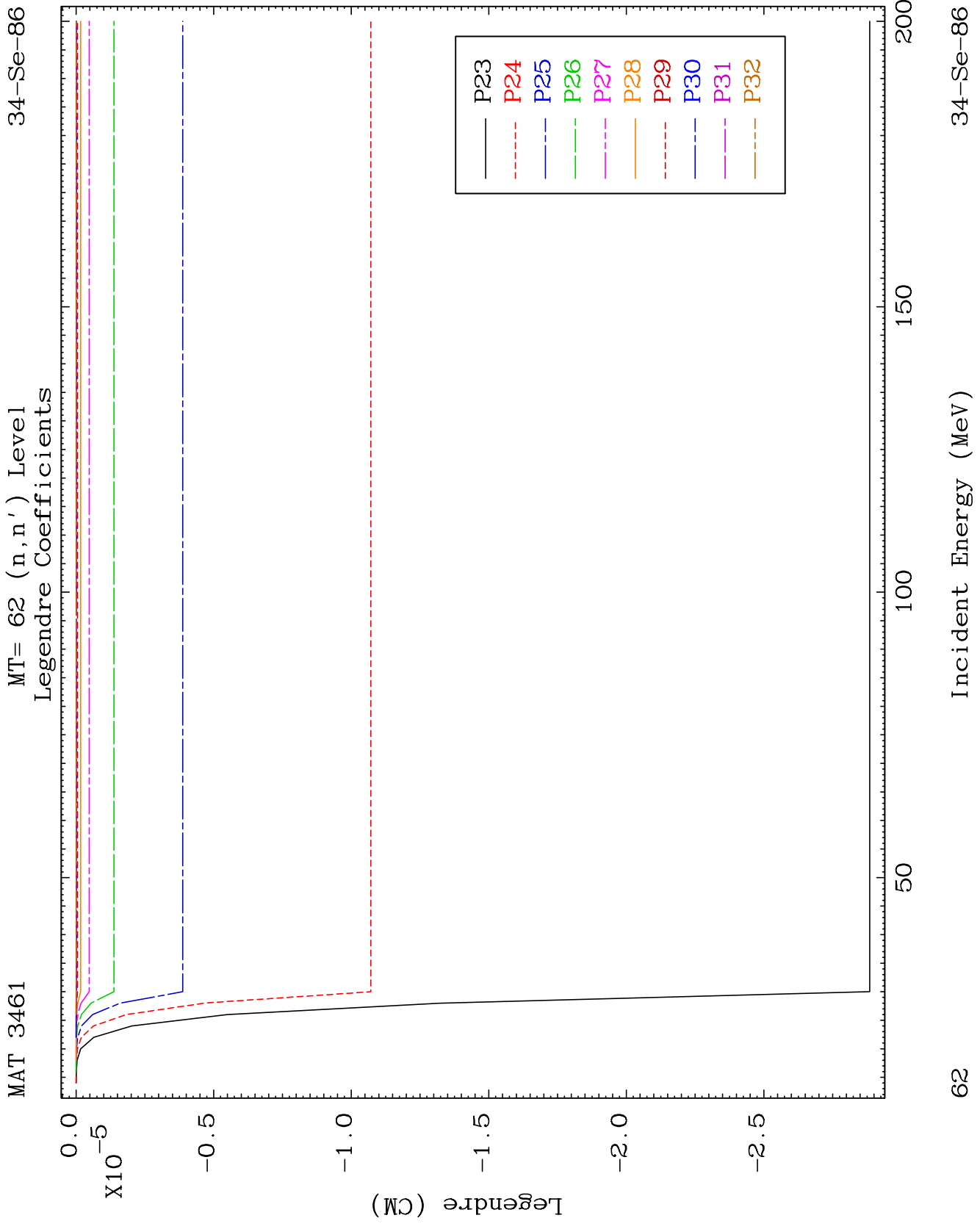
34-Se-86



61

Incident Energy (MeV)

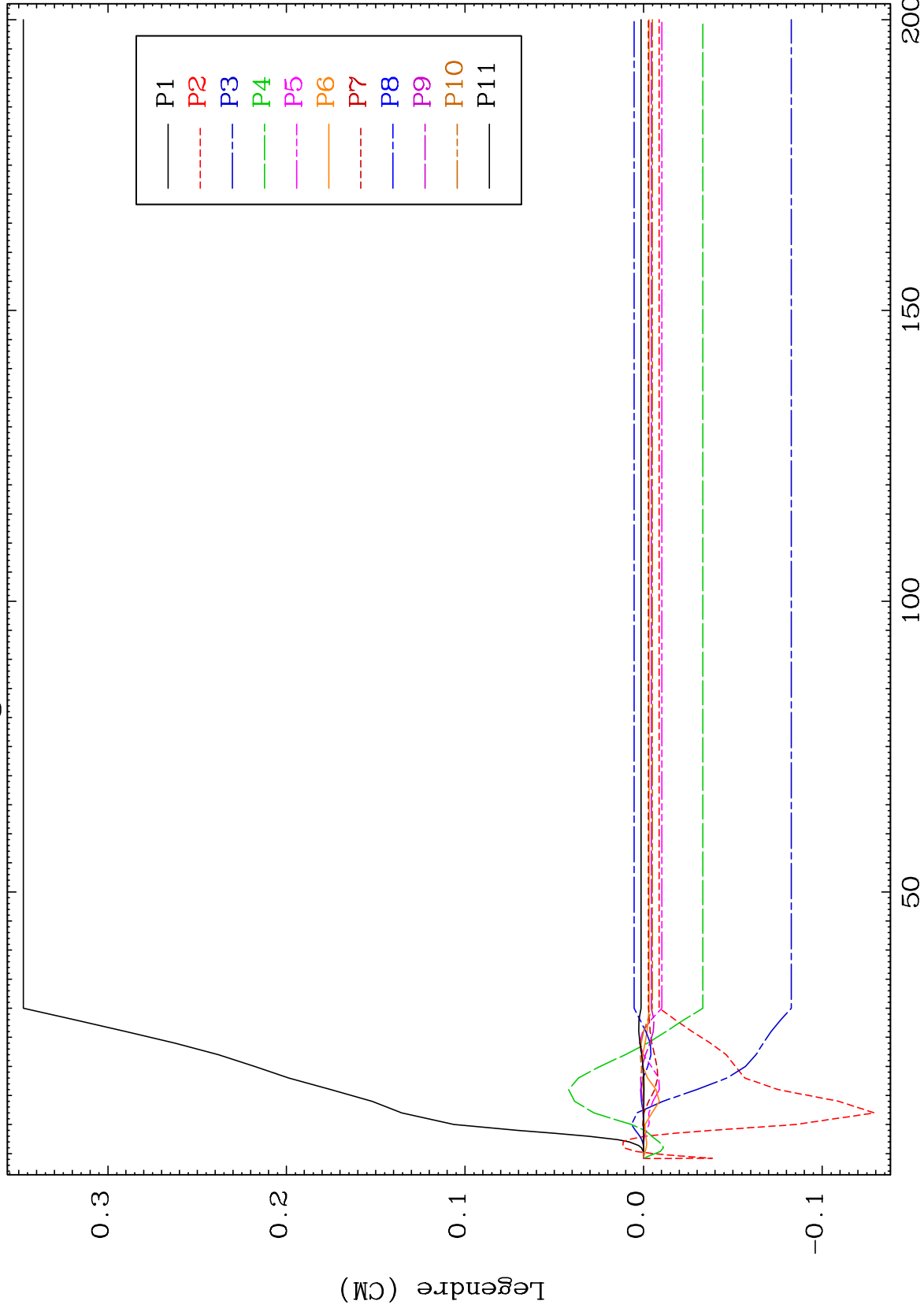
34-Se-86



MAT 3461

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

<sup>34</sup>Se-86



63

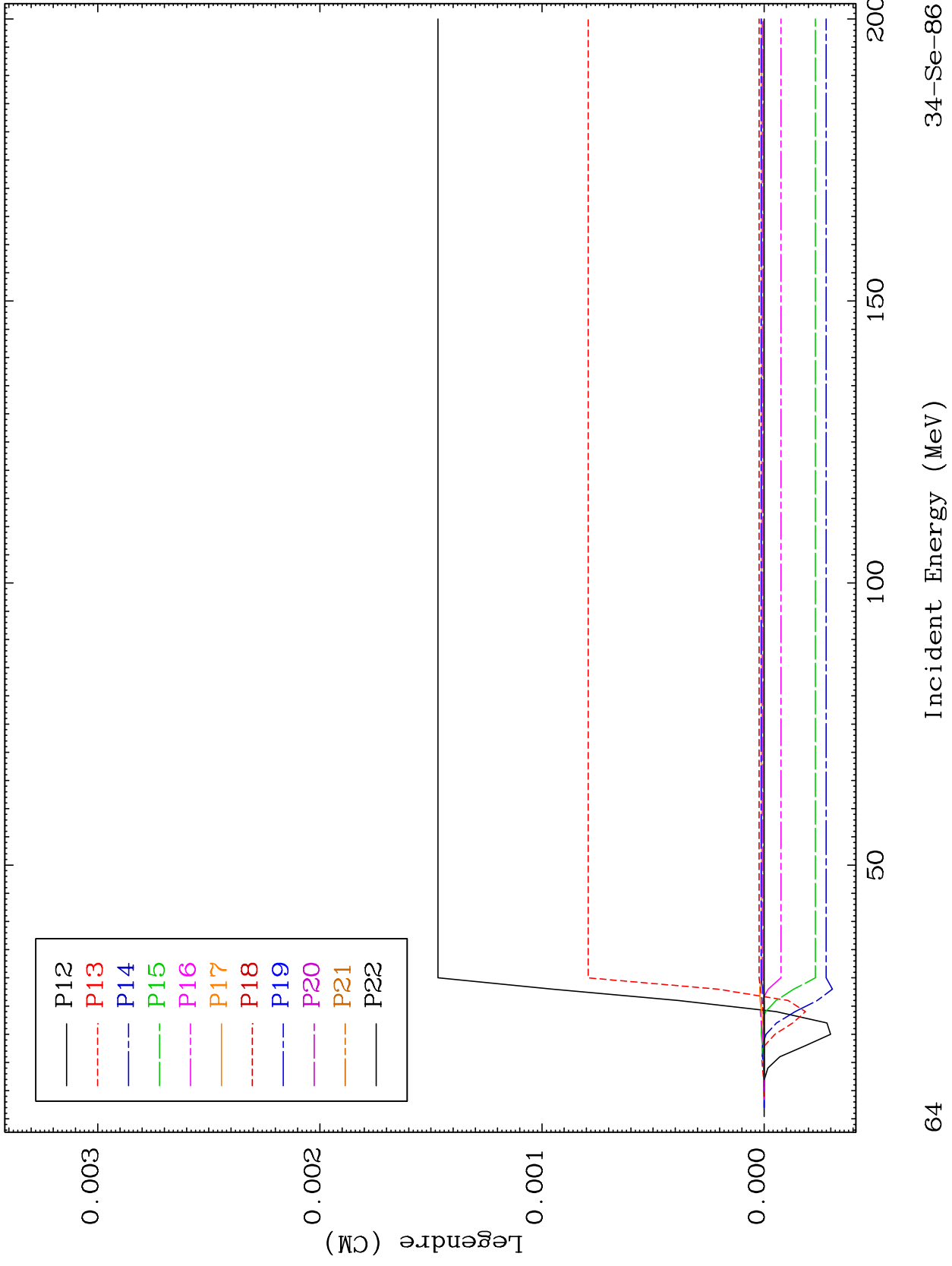
Incident Energy (MeV)

<sup>34</sup>Se-86

MAT 3461

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

<sup>34</sup>Se-86



64

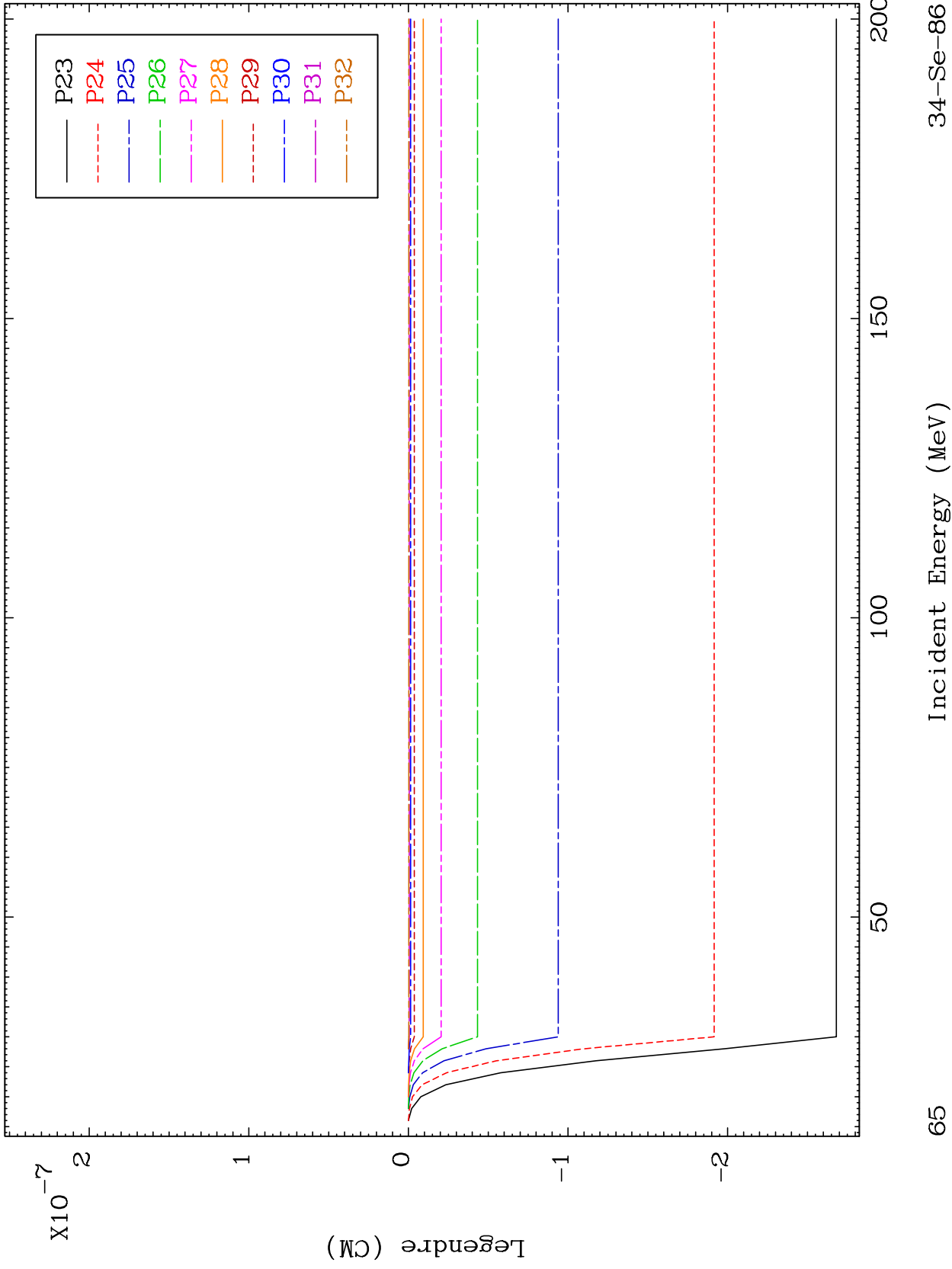
Incident Energy (MeV)

<sup>34</sup>Se-86

MAT 3461

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

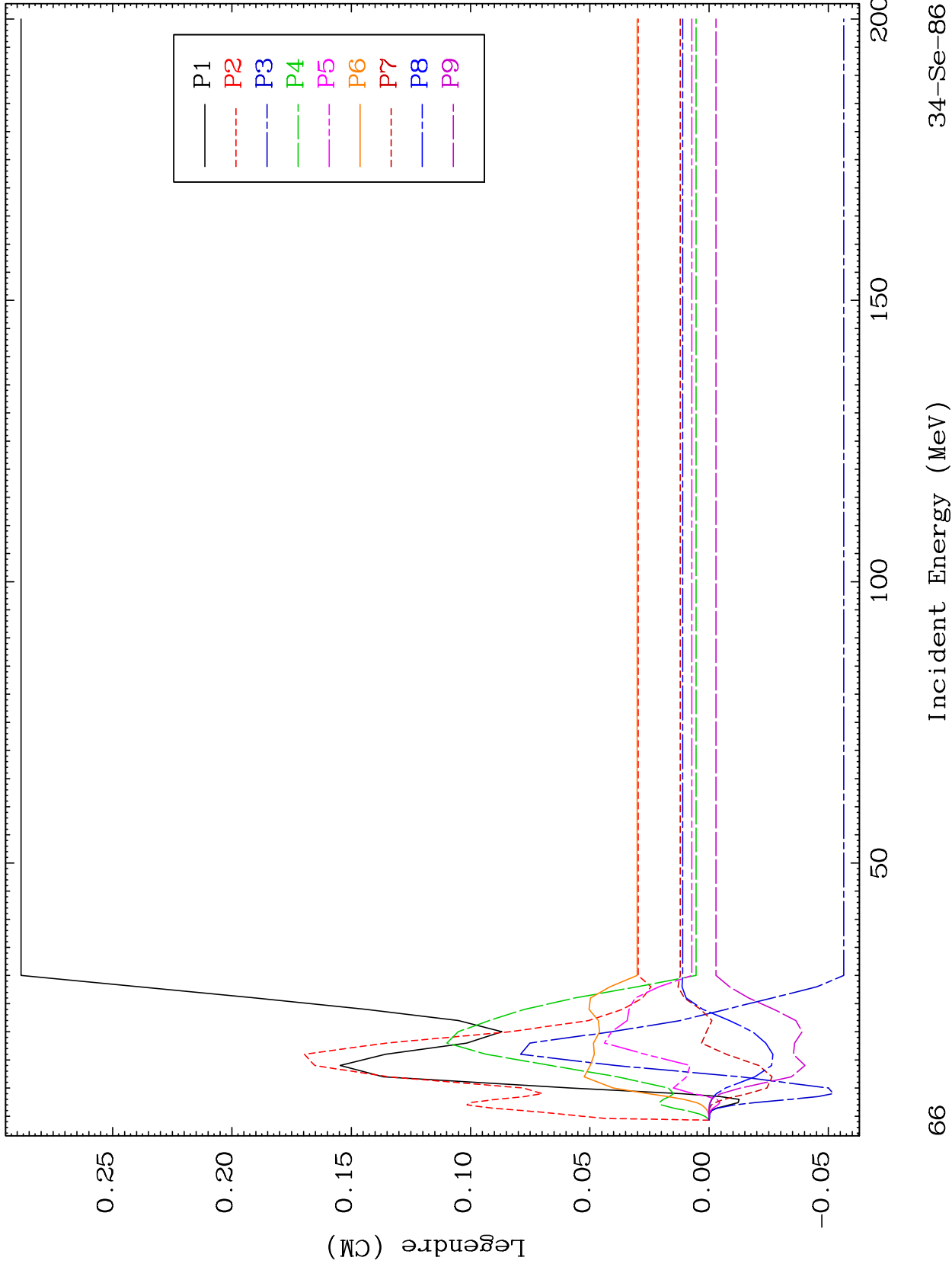
<sup>34</sup>Se-86



65

Incident Energy (MeV)

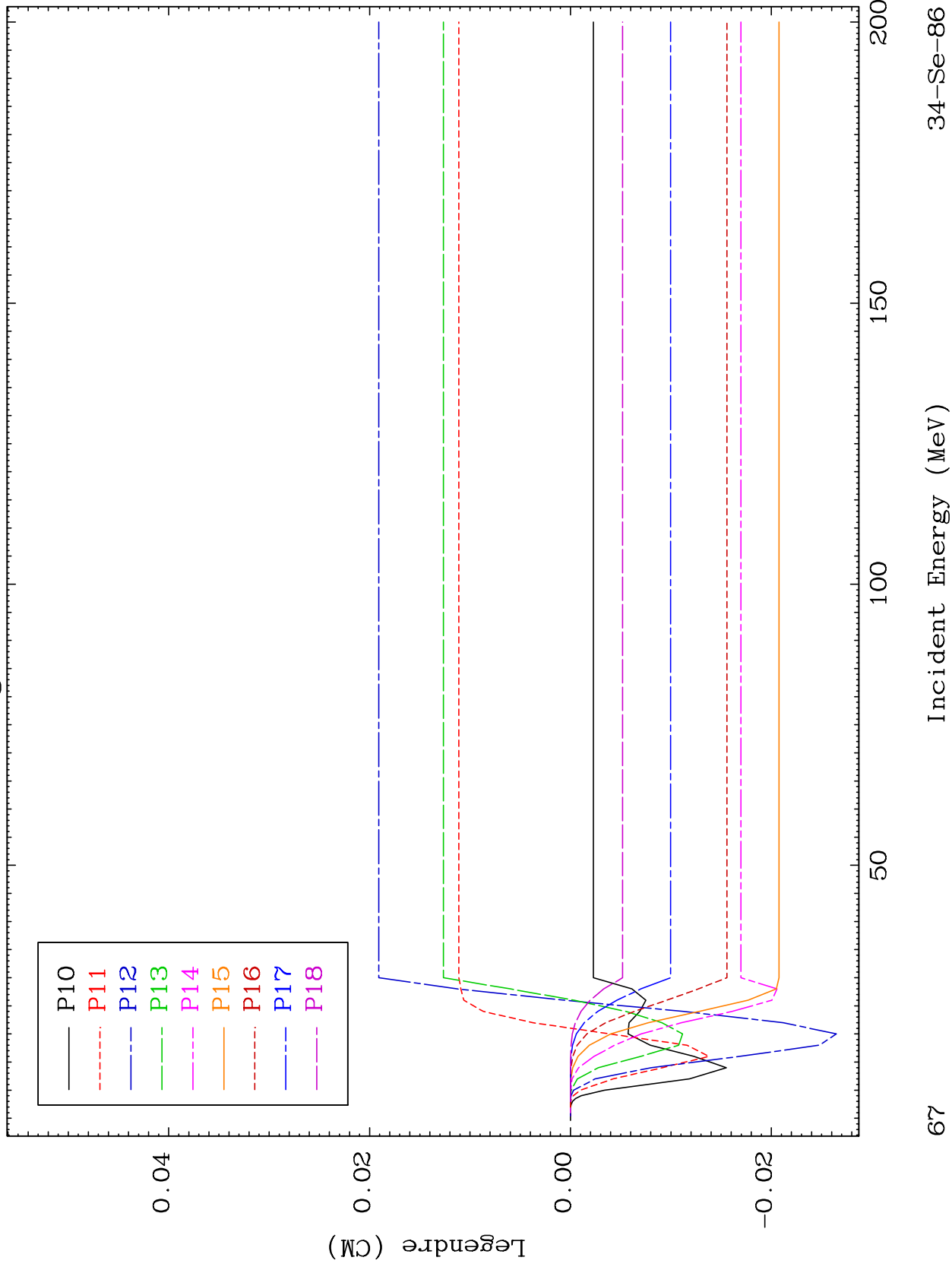
<sup>34</sup>Se-86



MAT 3461

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

34-Se-86



67

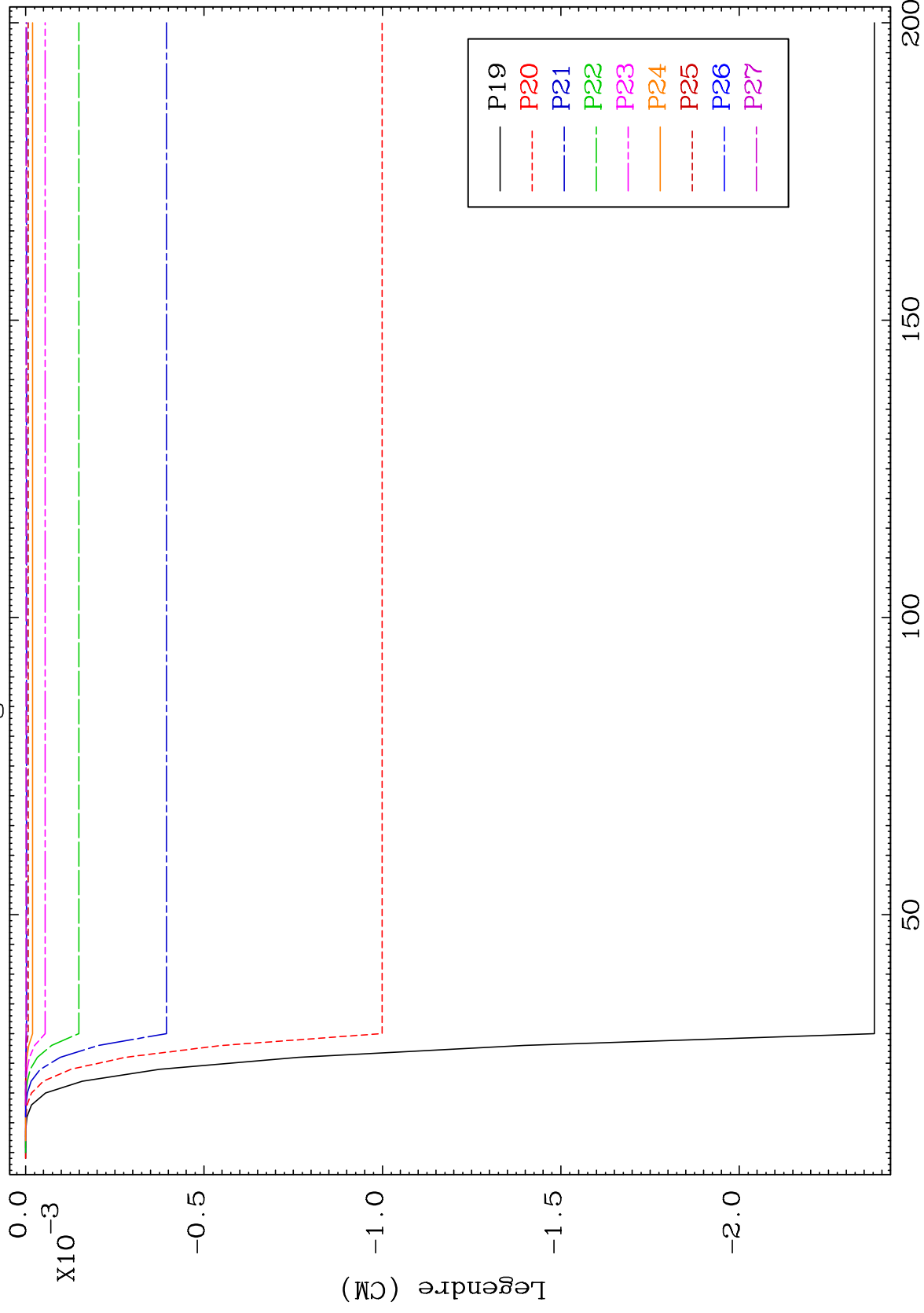
Incident Energy (MeV)

34-Se-86

MAT 3461

34-Se-86

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



68

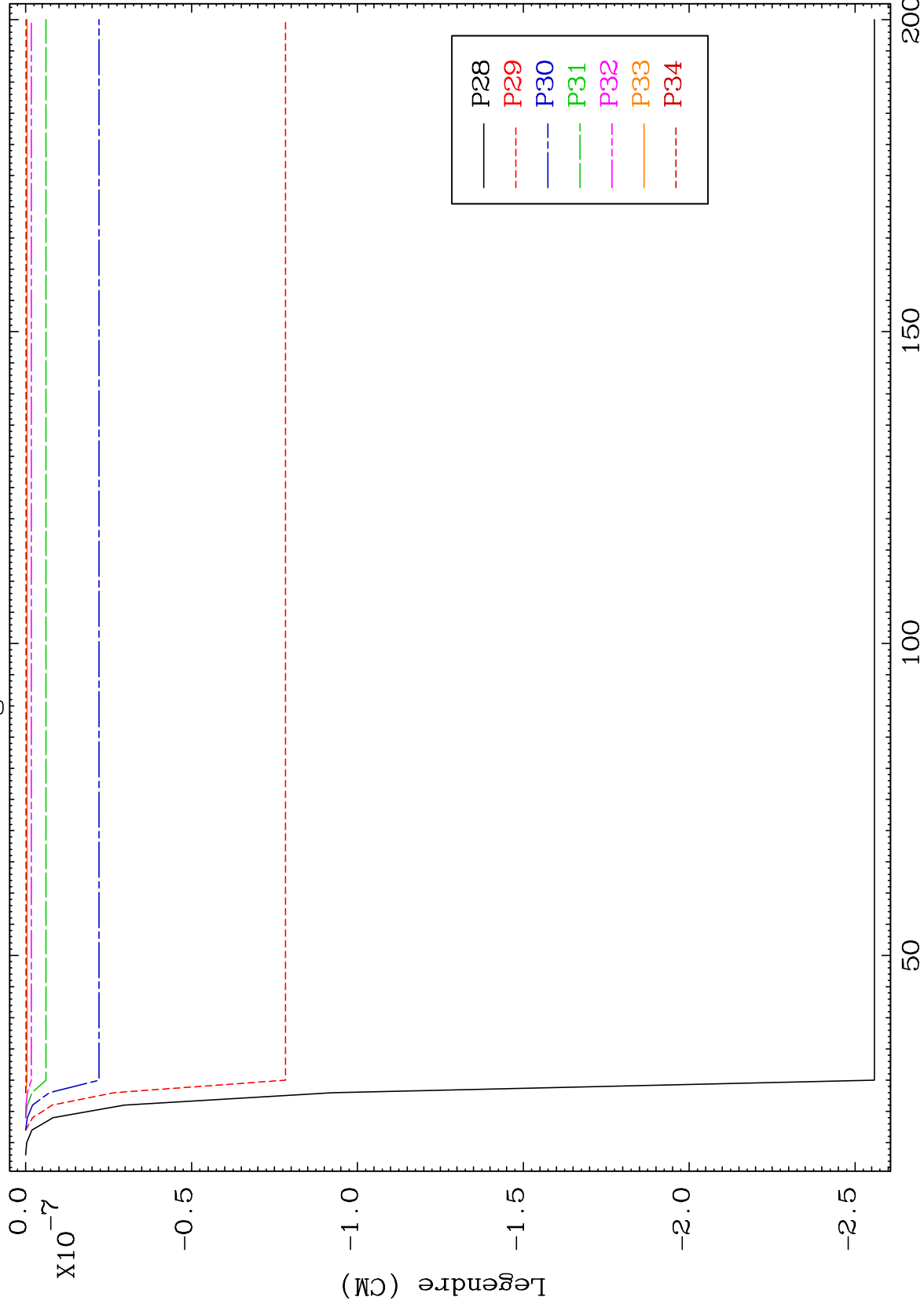
Incident Energy (MeV)

34-Se-86

MAT 3461

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

34-Se-86



69

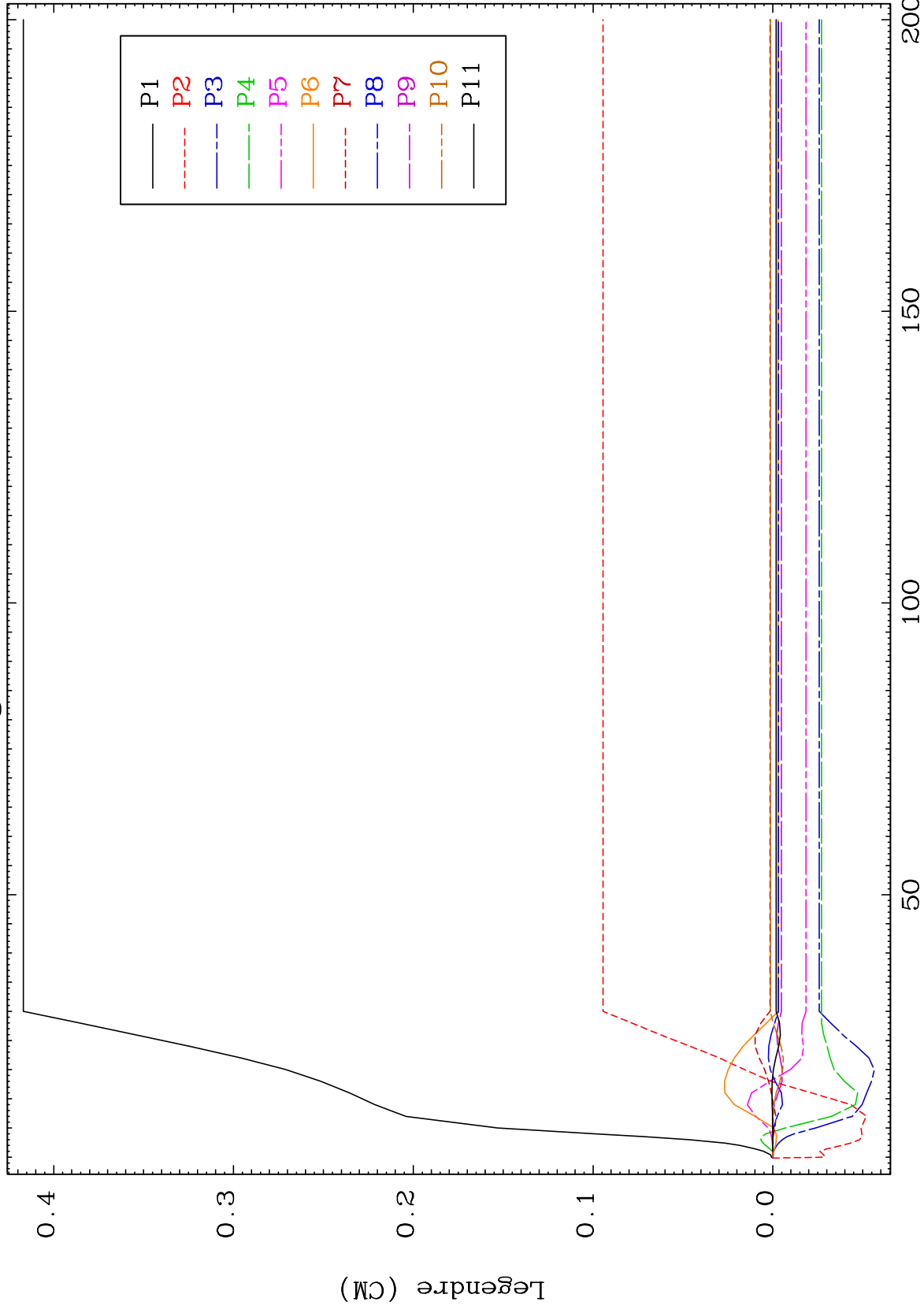
Incident Energy (MeV)

34-Se-86

MAT 3461

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

<sup>34</sup>Se-86



70

Incident Energy (MeV)

50

100

150

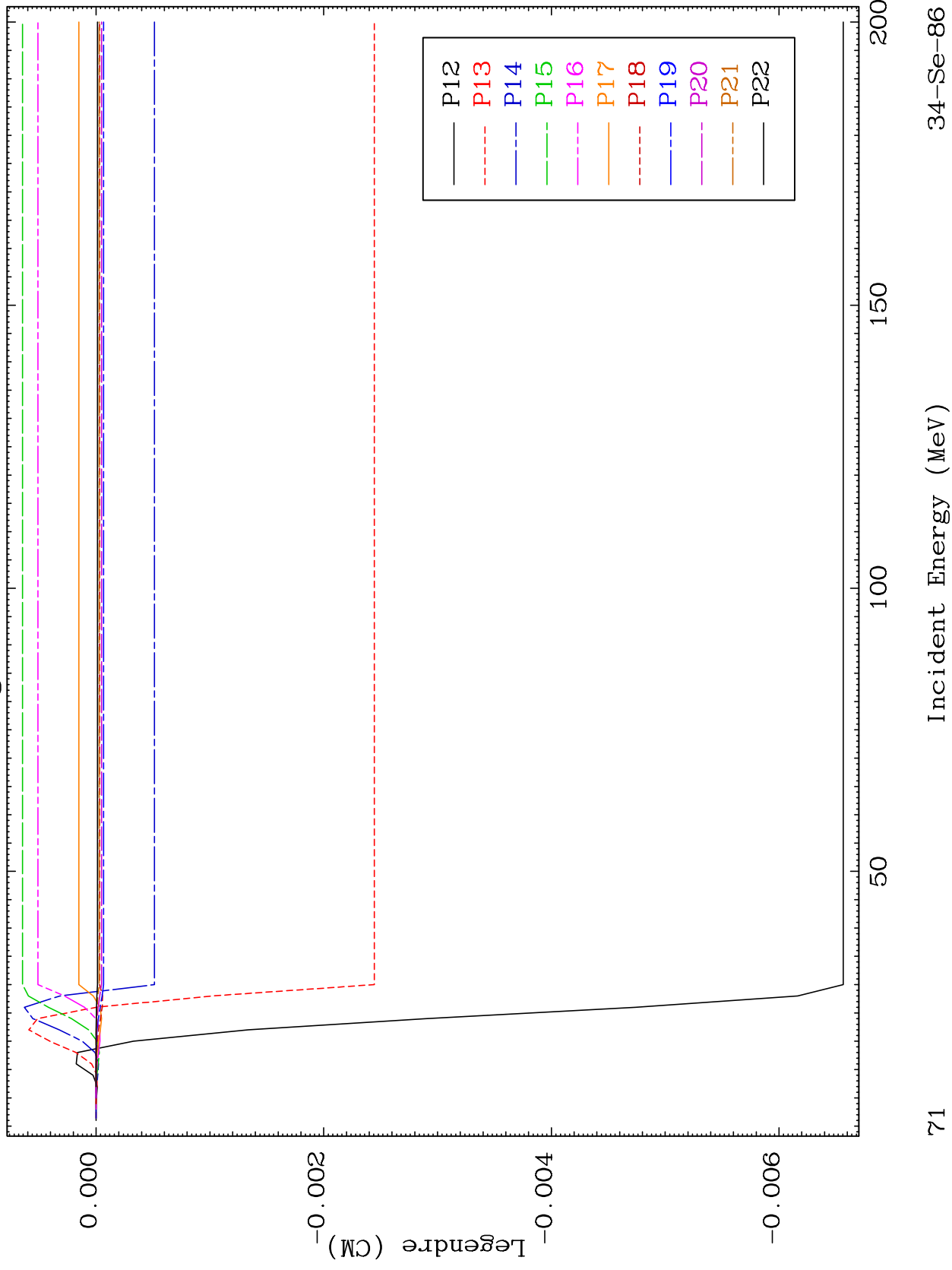
200

<sup>34</sup>Se-86

MAT 3461

34-Se-86

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



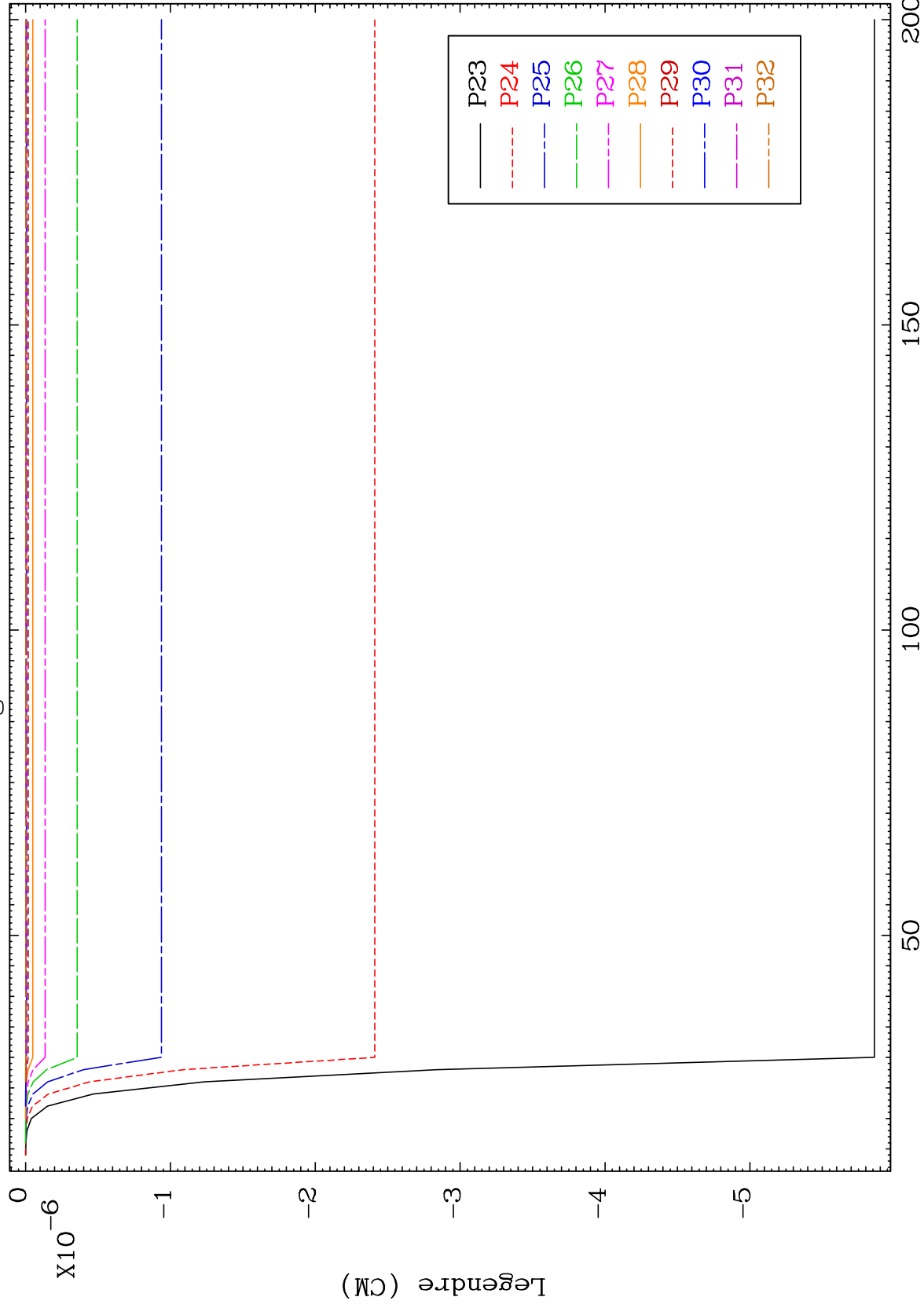
71

34-Se-86

MAT 3461

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

34-Se-86



72

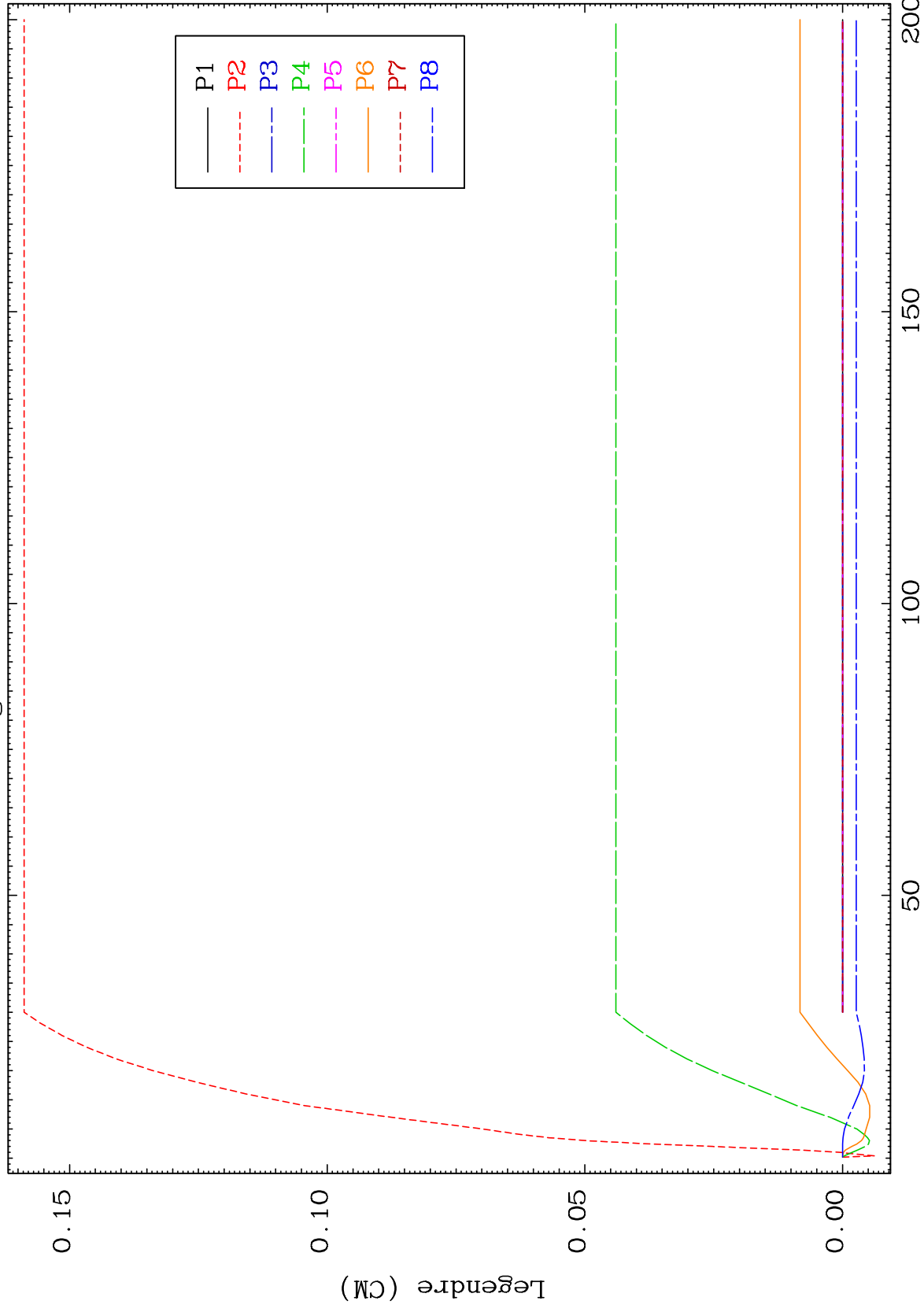
Incident Energy (MeV)

34-Se-86

MAT 3461

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

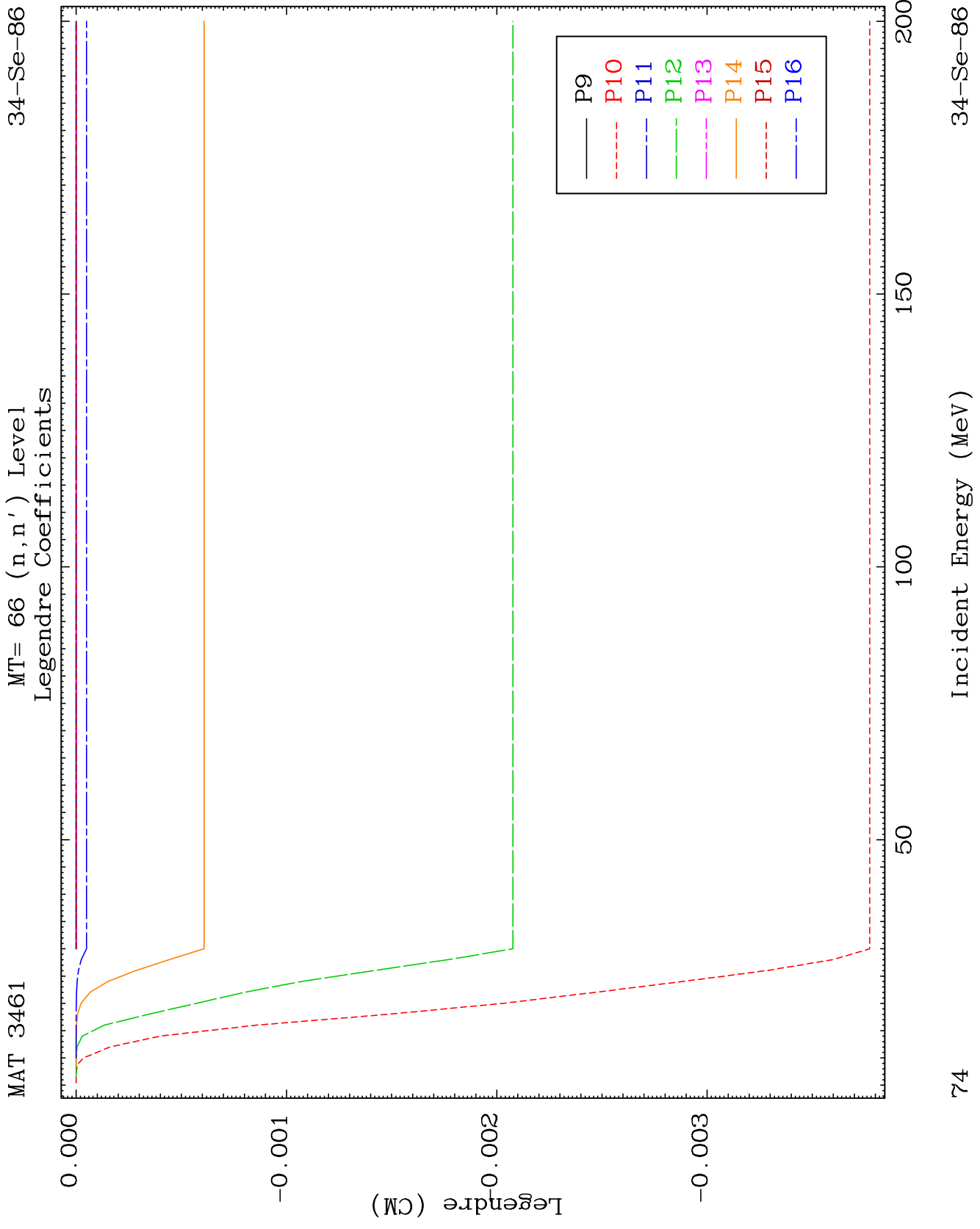
<sup>34</sup>Se-86

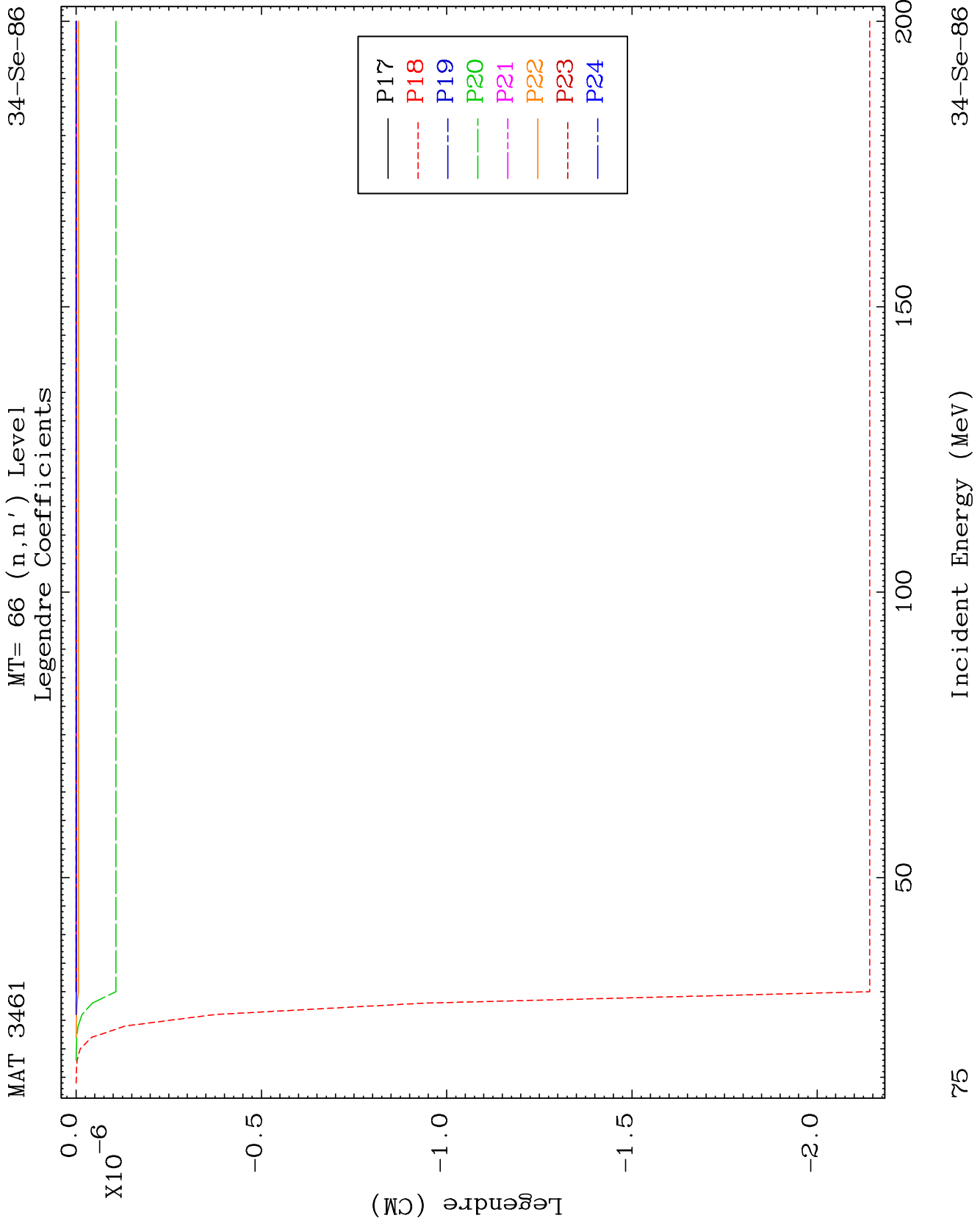


73

Incident Energy (MeV)

<sup>34</sup>Se-86

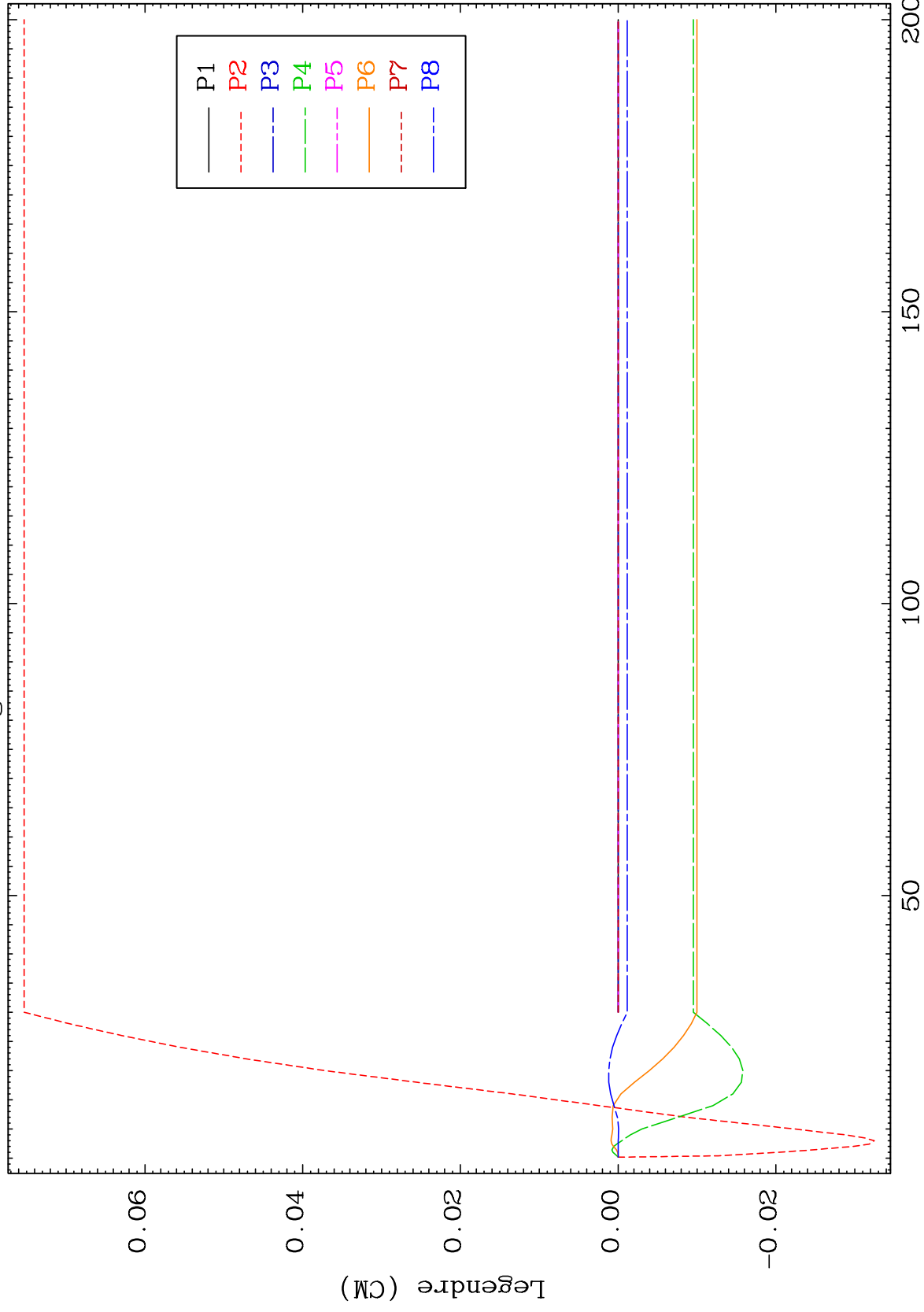




MAT 3461

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

<sup>34</sup>Se-86



76

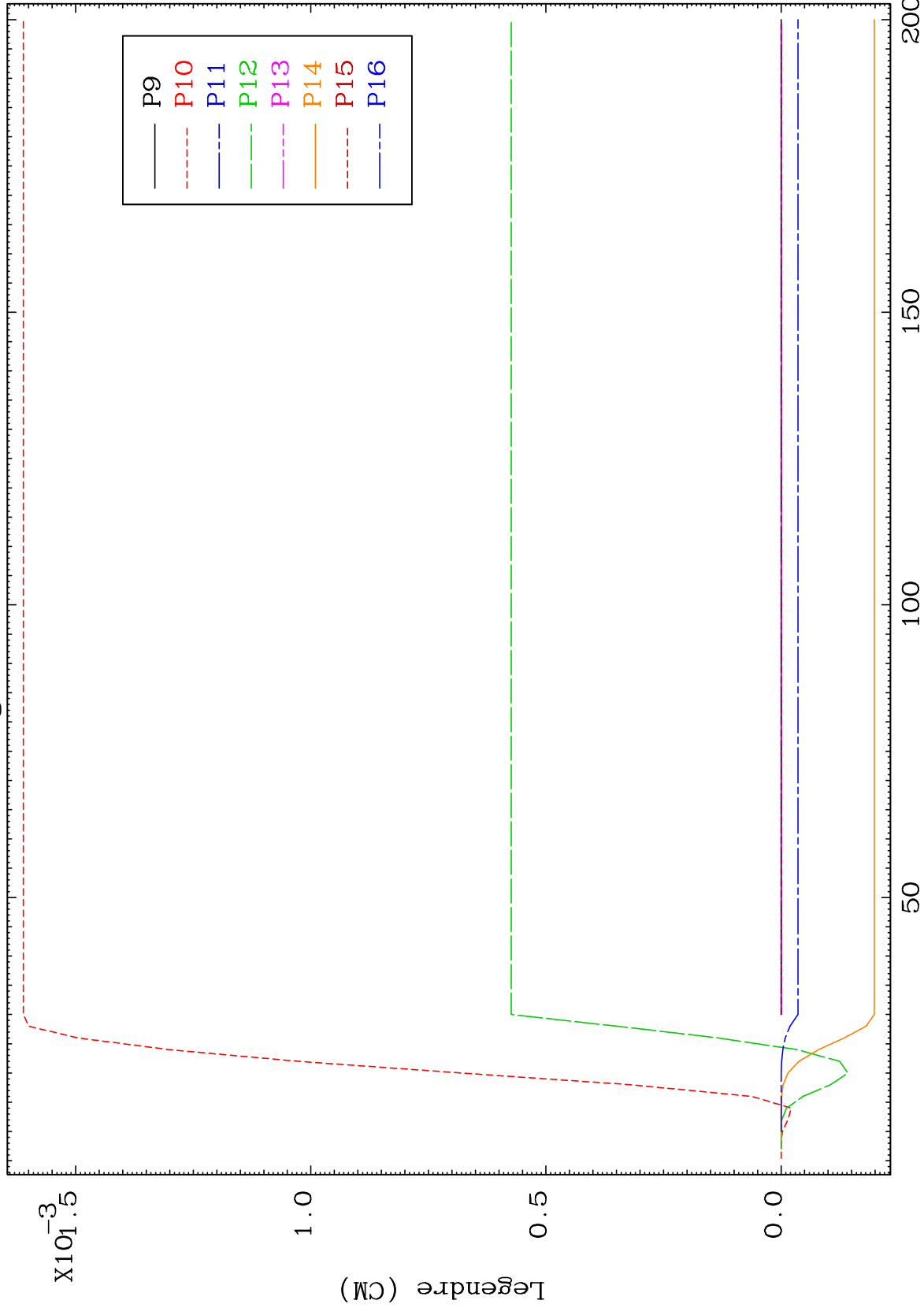
Incident Energy (MeV)

<sup>34</sup>Se-86

MAT 3461

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

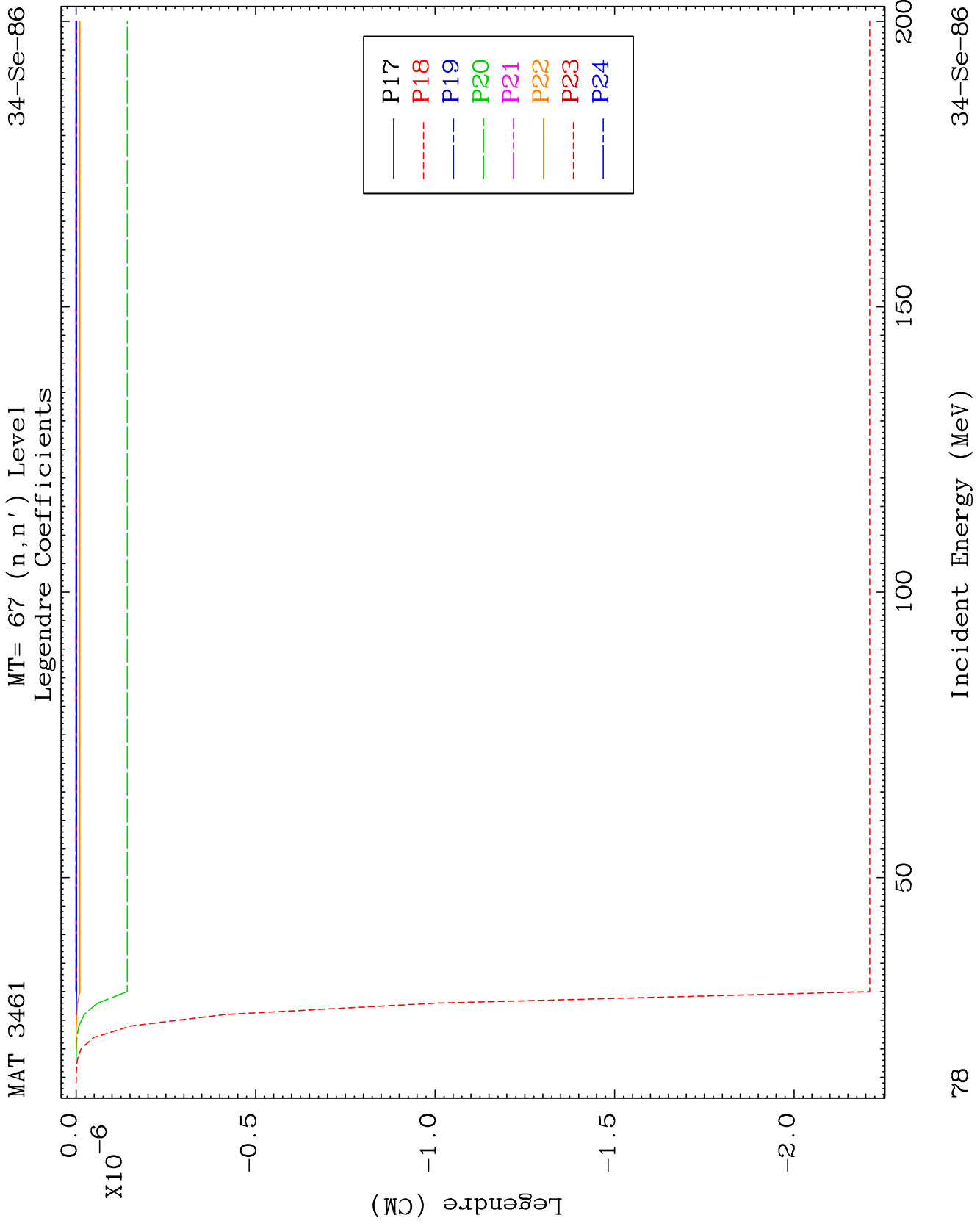
34-Se-86



77

Incident Energy (MeV)

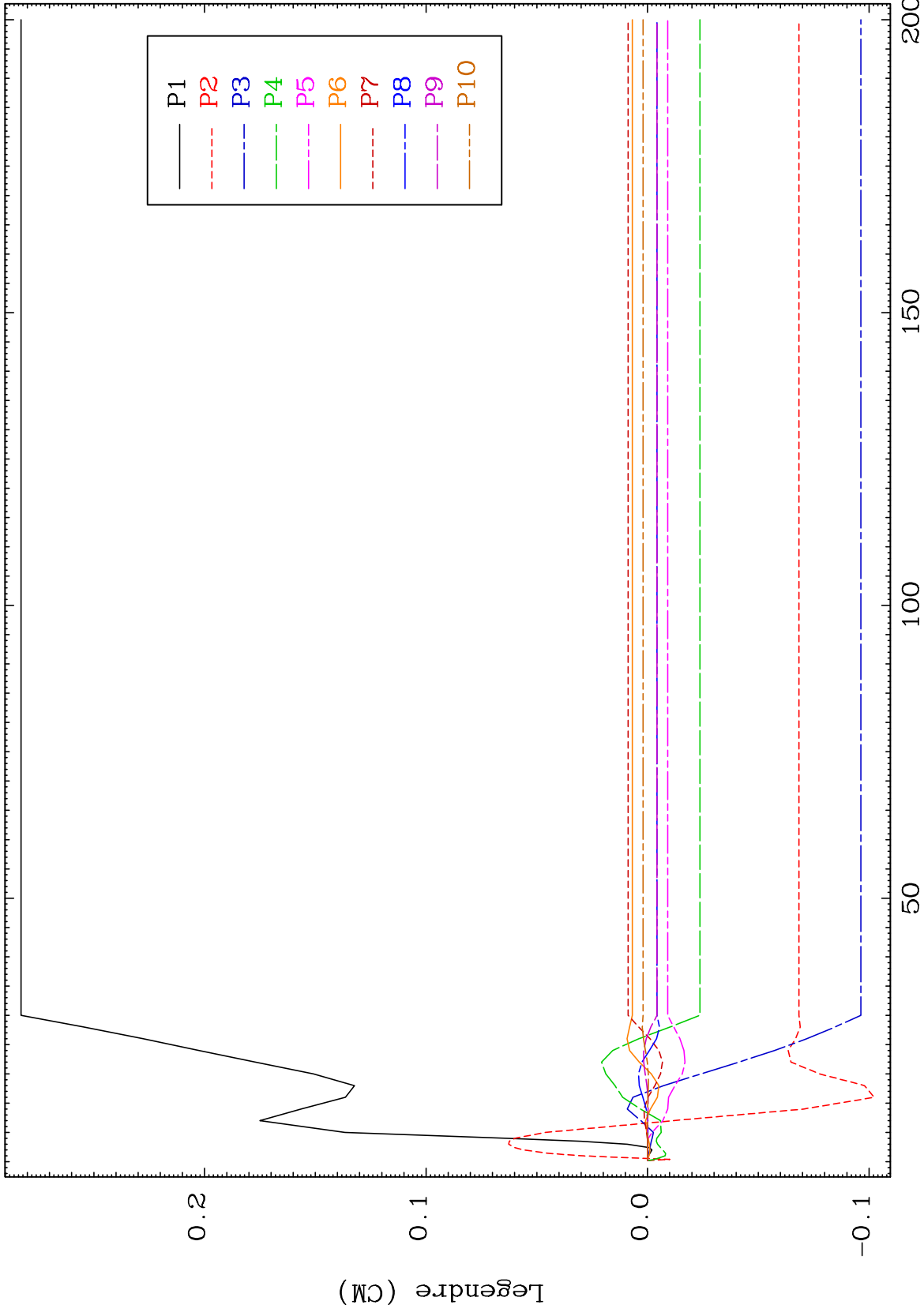
34-Se-86



MAT 3461

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

<sup>34</sup>Se-86



79

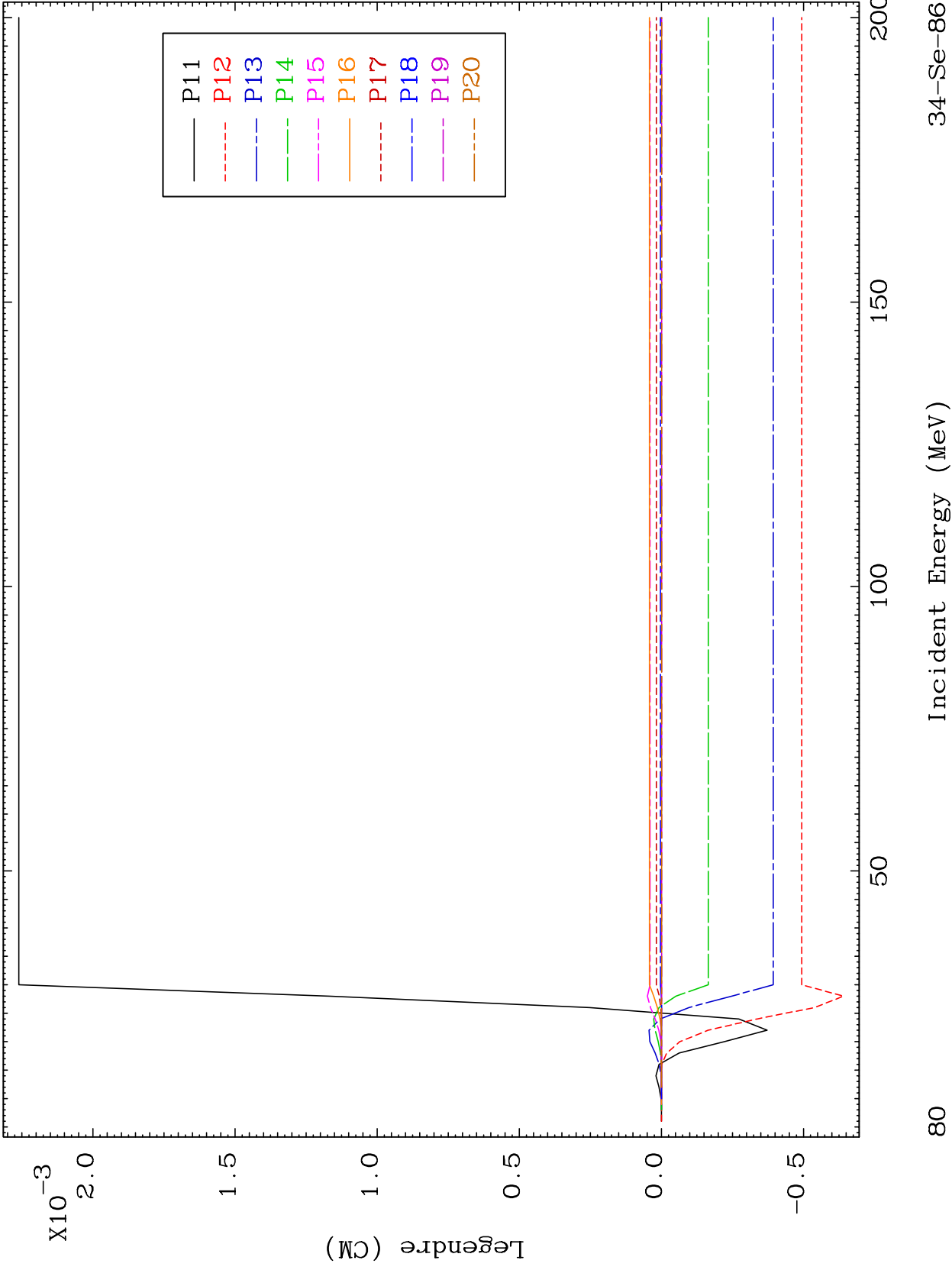
Incident Energy (MeV)

<sup>34</sup>Se-86

MAT 3461

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

34-Se-86



34-Se-86

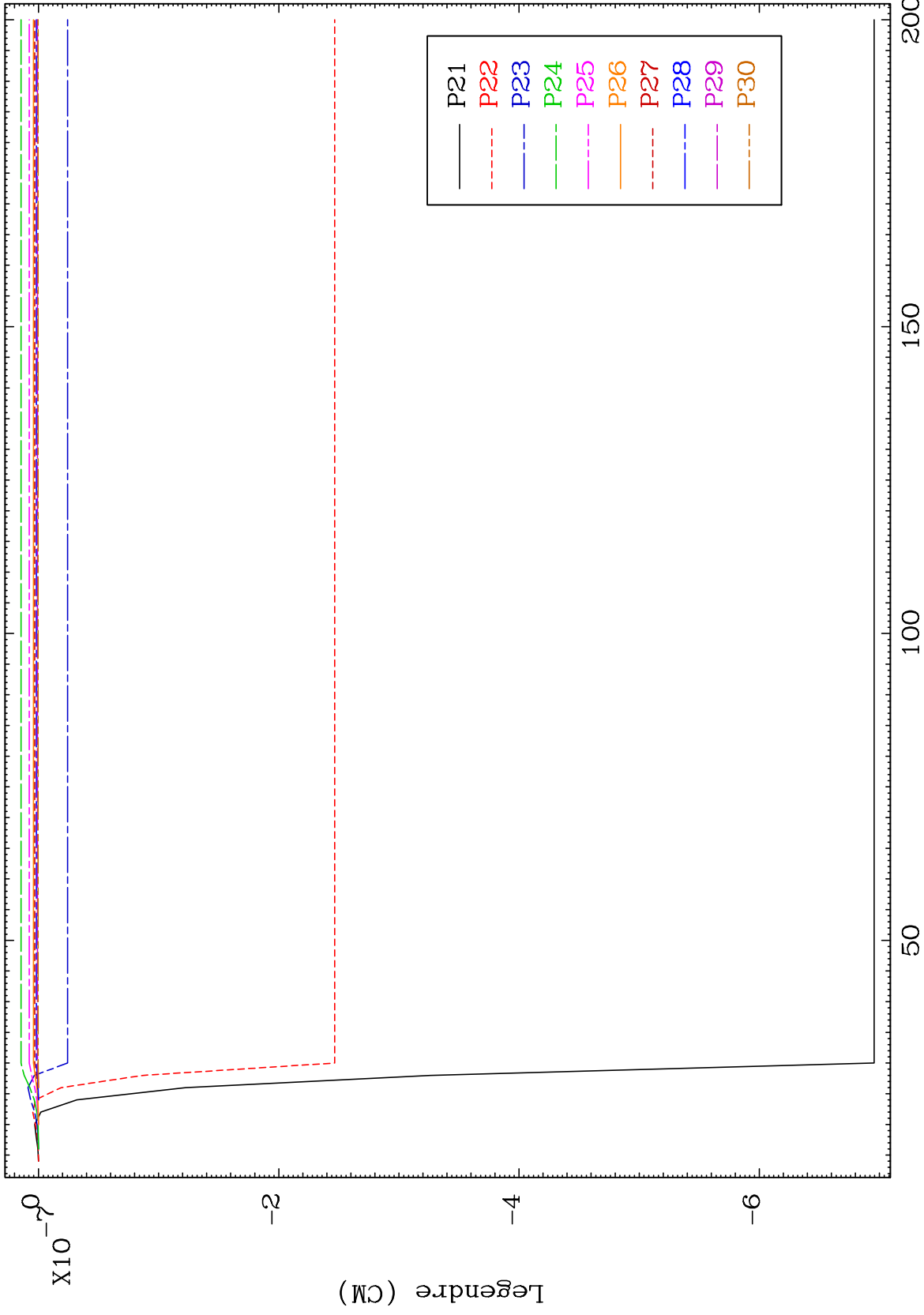
Incident Energy (MeV)

80

MAT 3461

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

34-Se-86



81

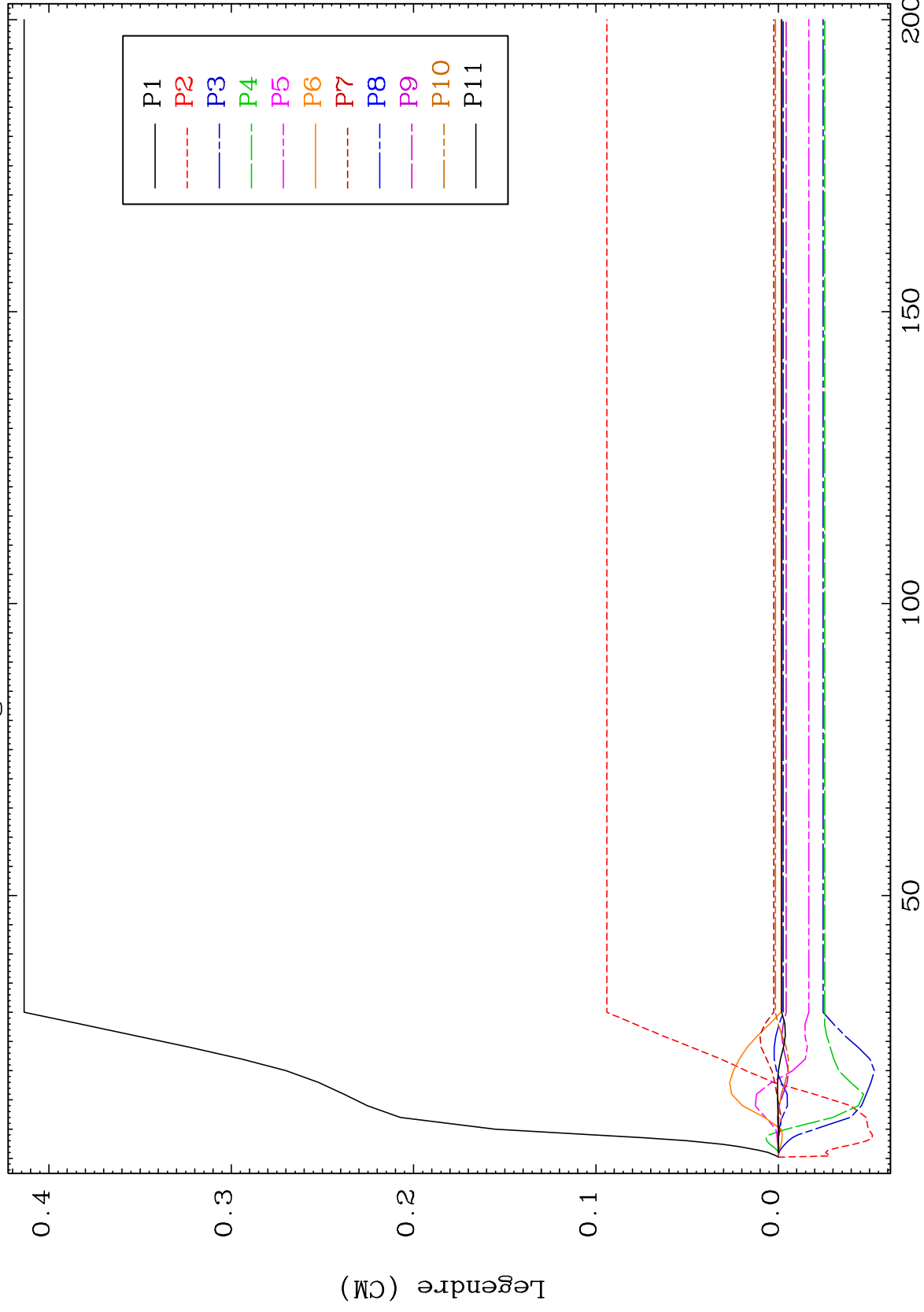
Incident Energy (MeV)

34-Se-86

MAT 3461

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

<sup>34</sup>Se-86



82

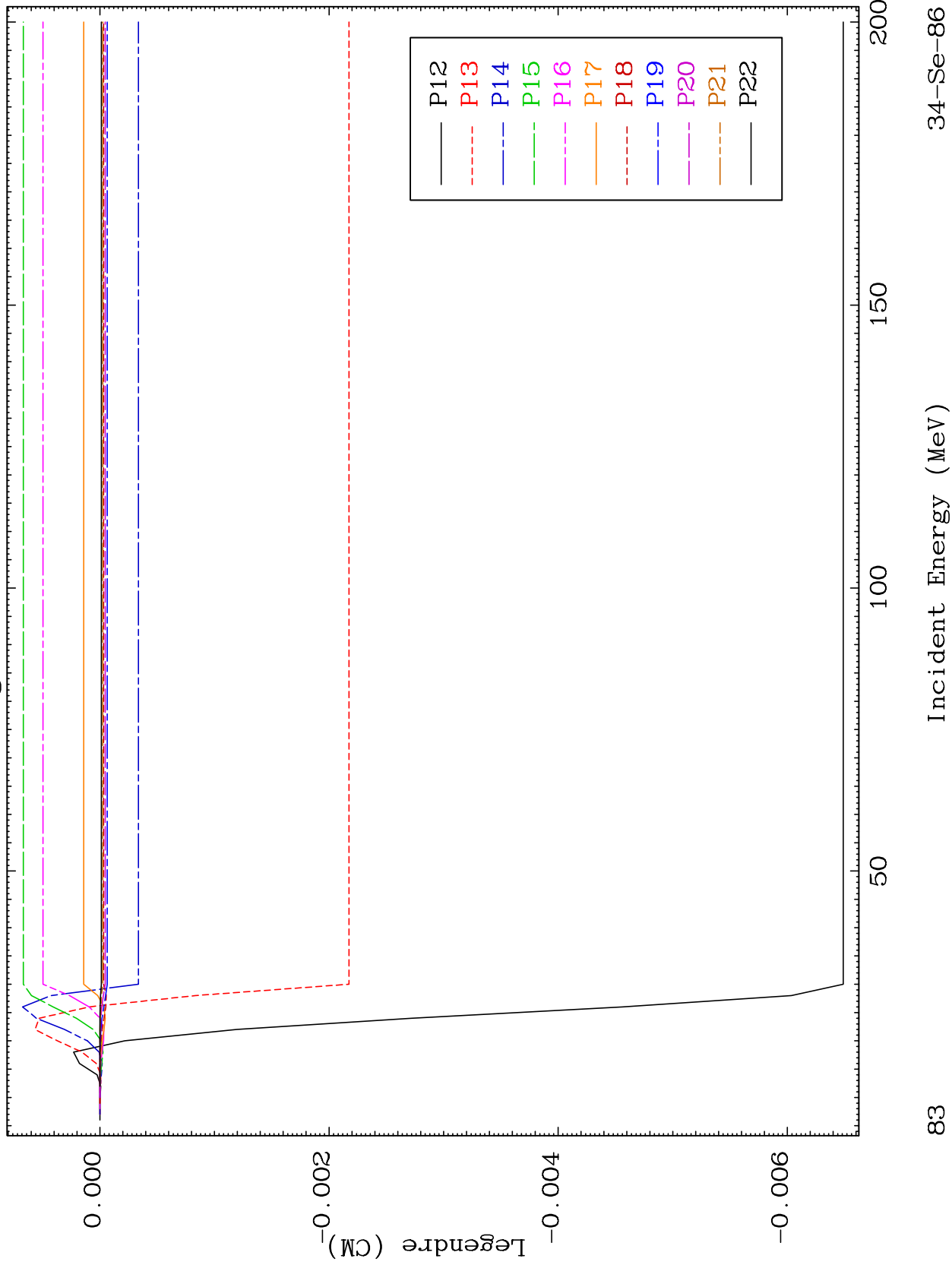
Incident Energy (MeV)

<sup>34</sup>Se-86

MAT 3461

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

34-Se-86



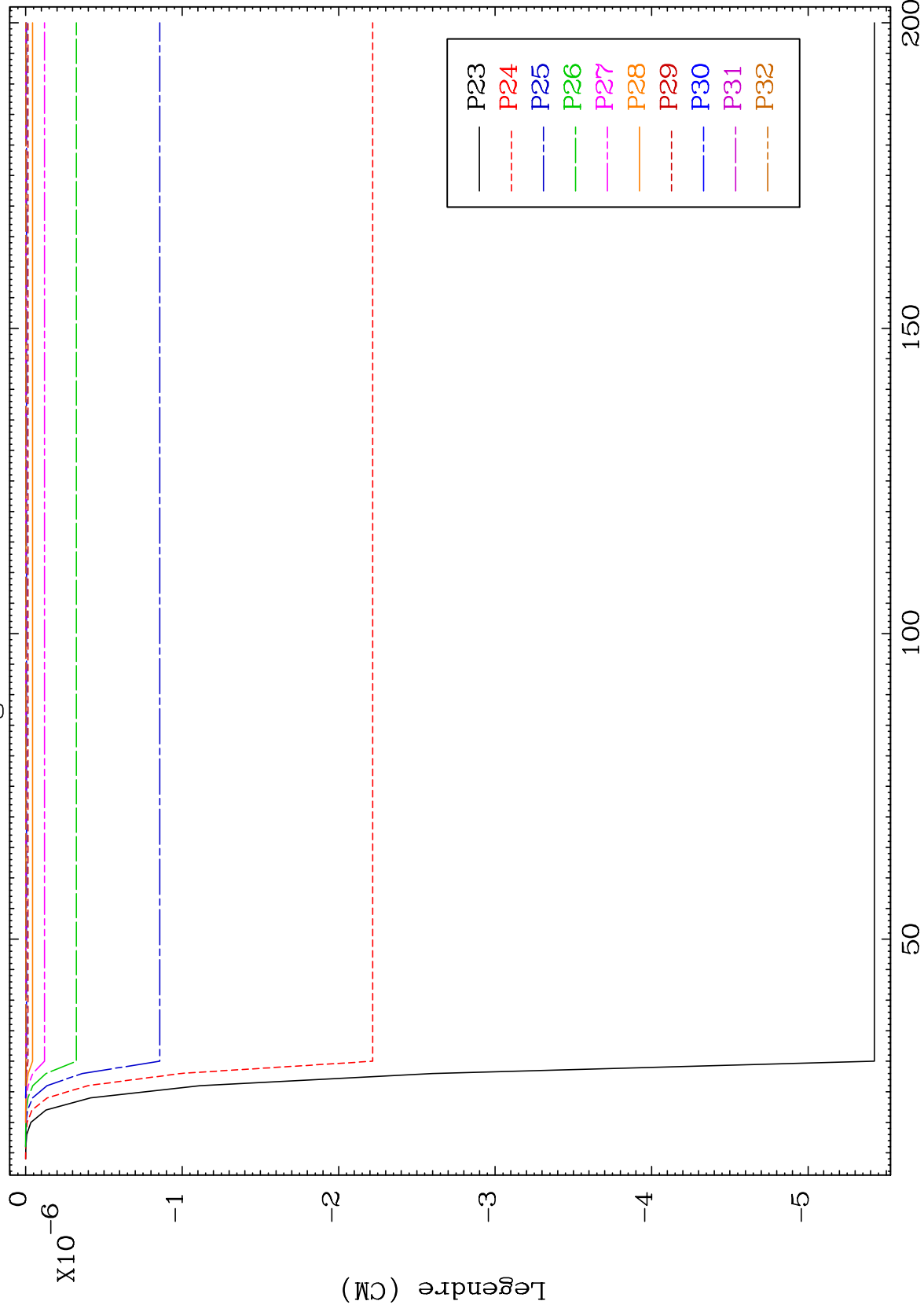
83

34-Se-86

MAT 3461

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

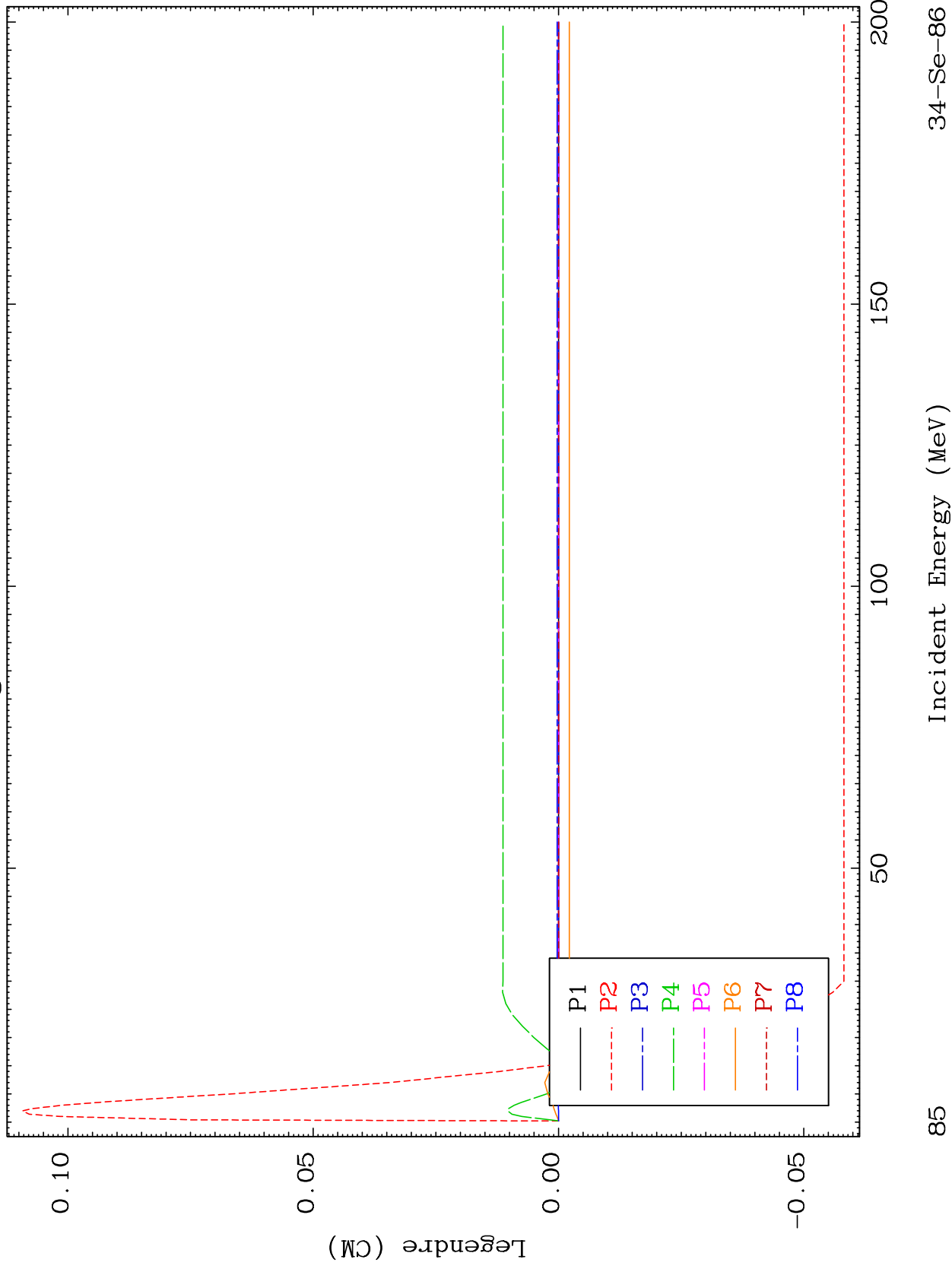
34-Se-86



84

Incident Energy (MeV)

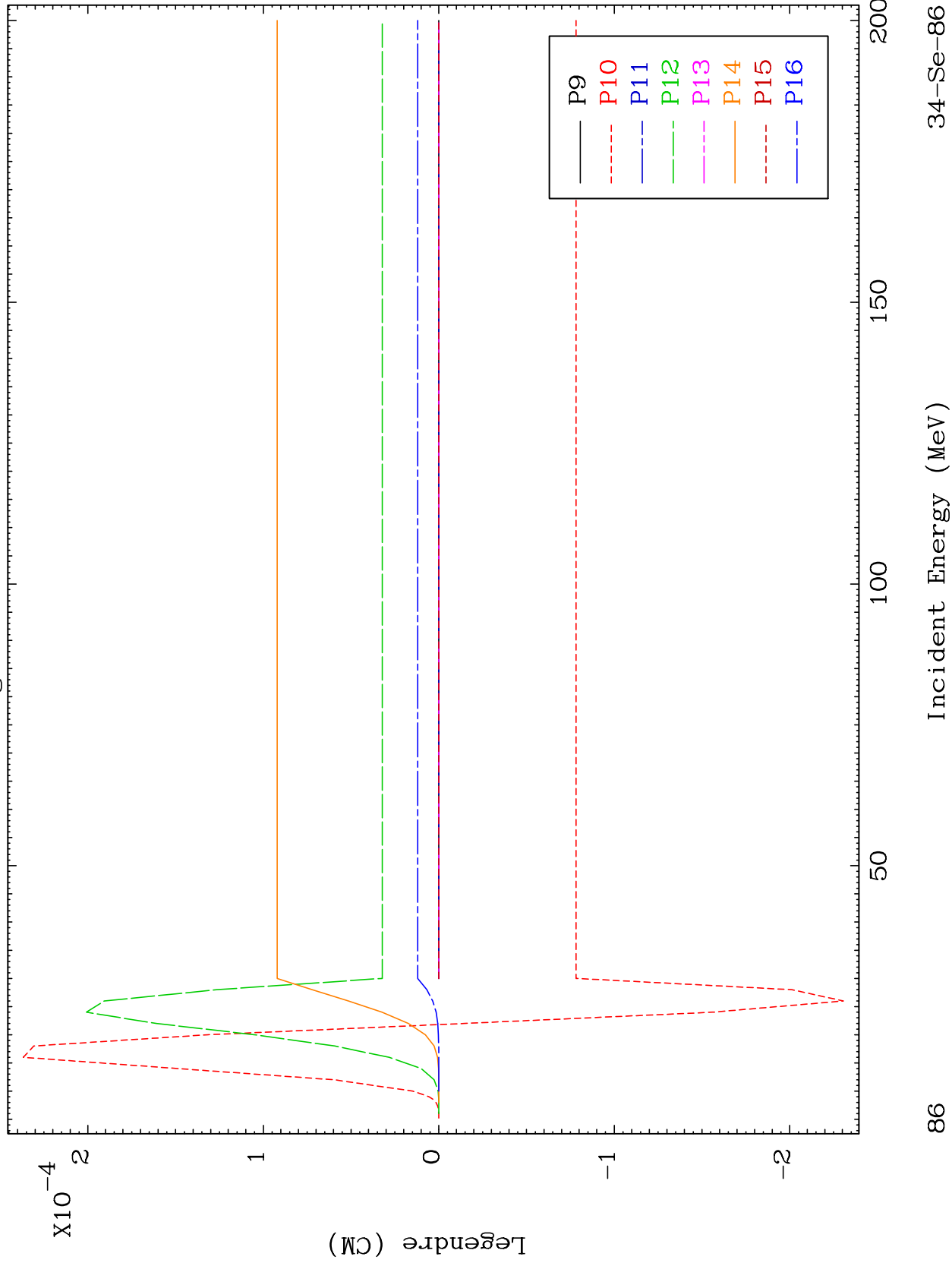
34-Se-86



MAT 3461

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

34-Se-86

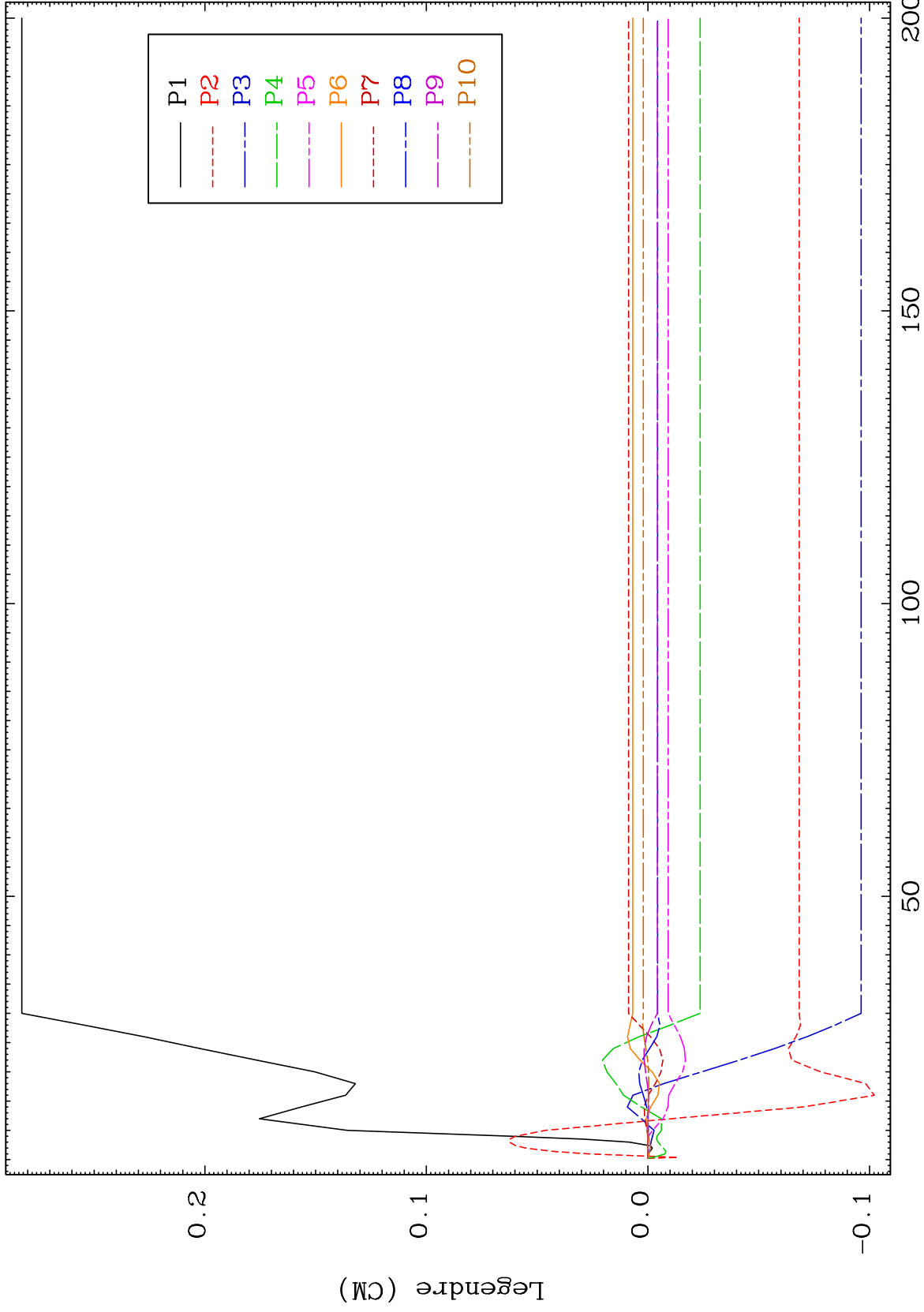


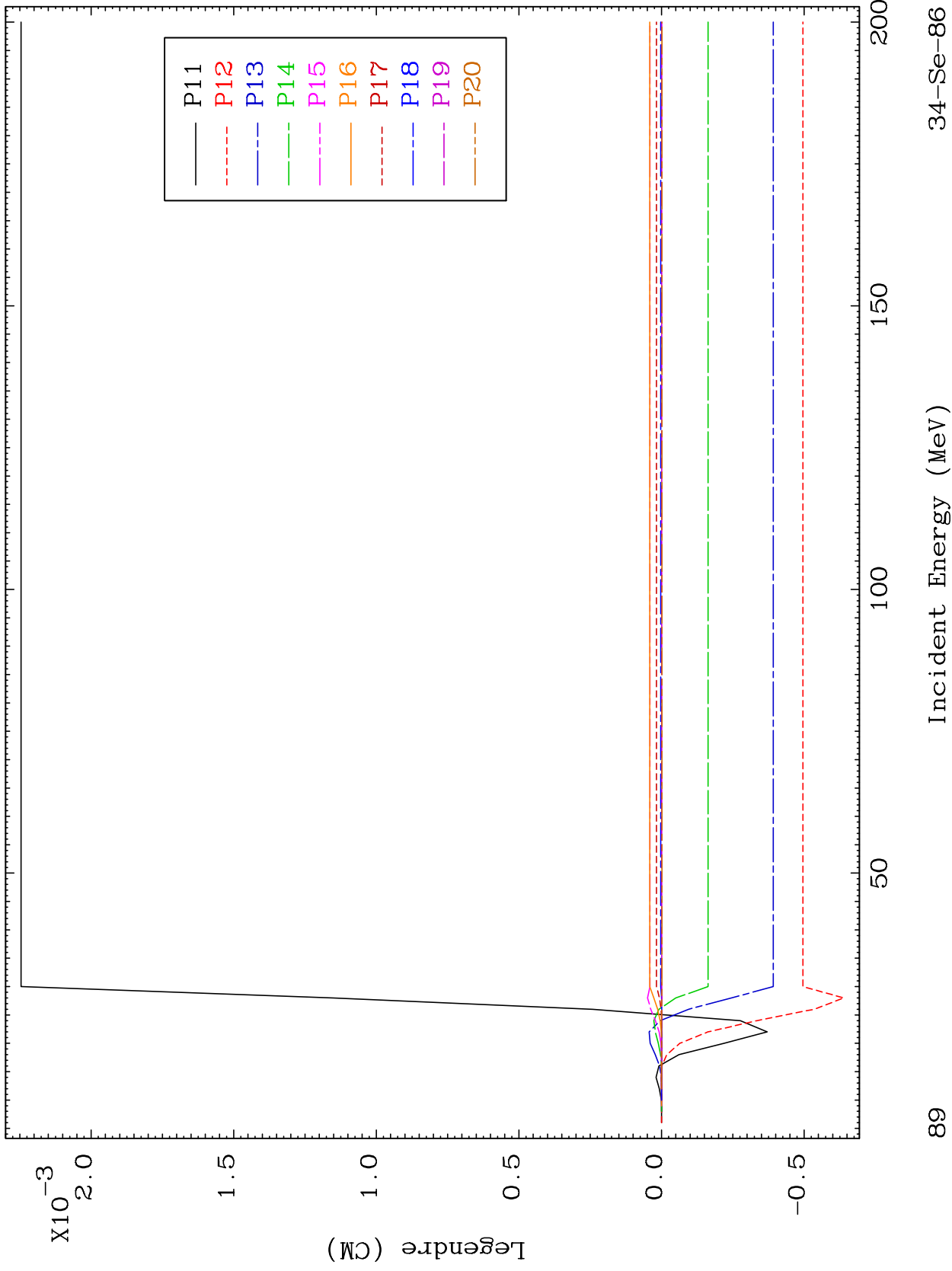
86

Incident Energy (MeV)

34-Se-86



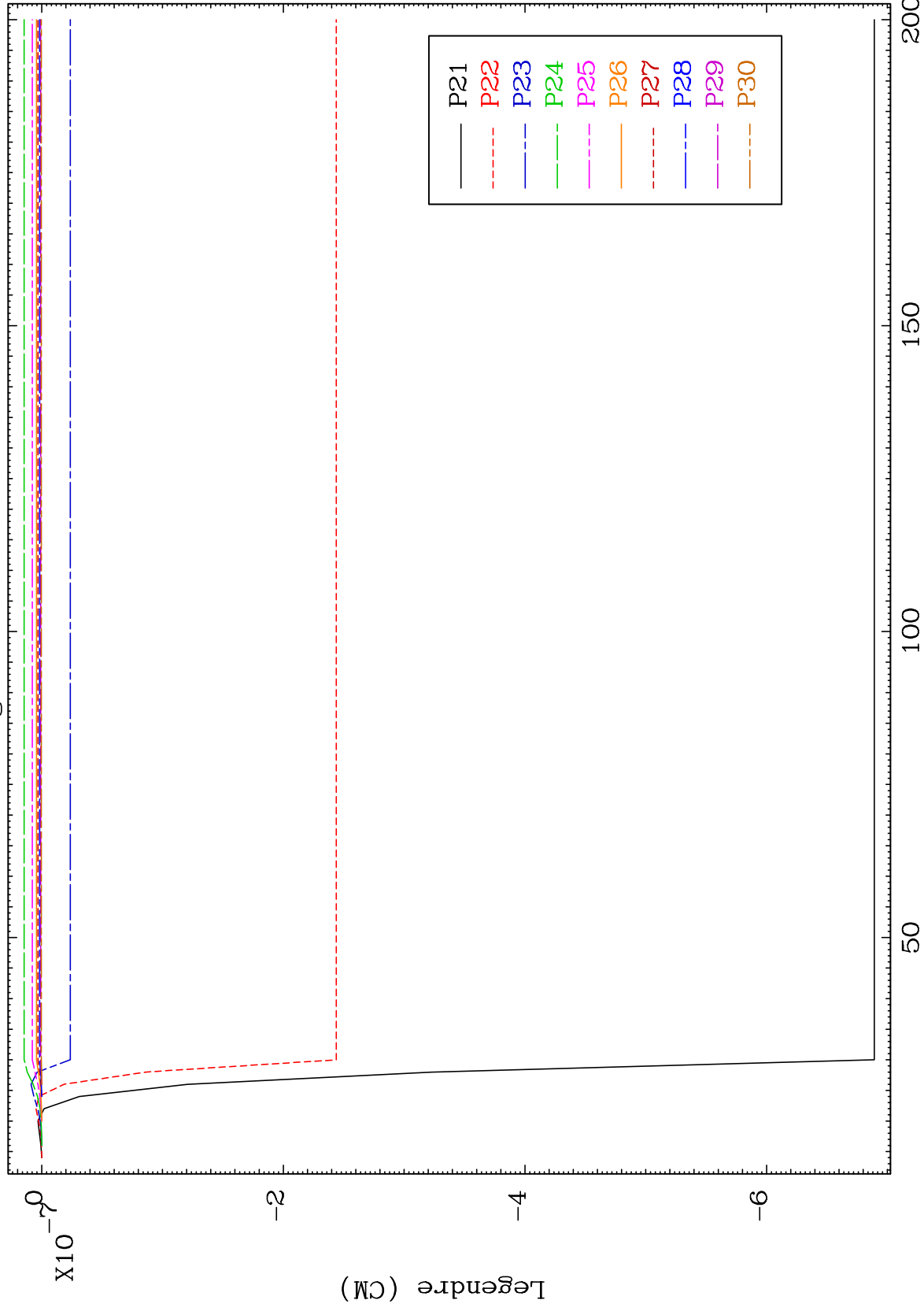




MAT 3461

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

34-Se-86



90

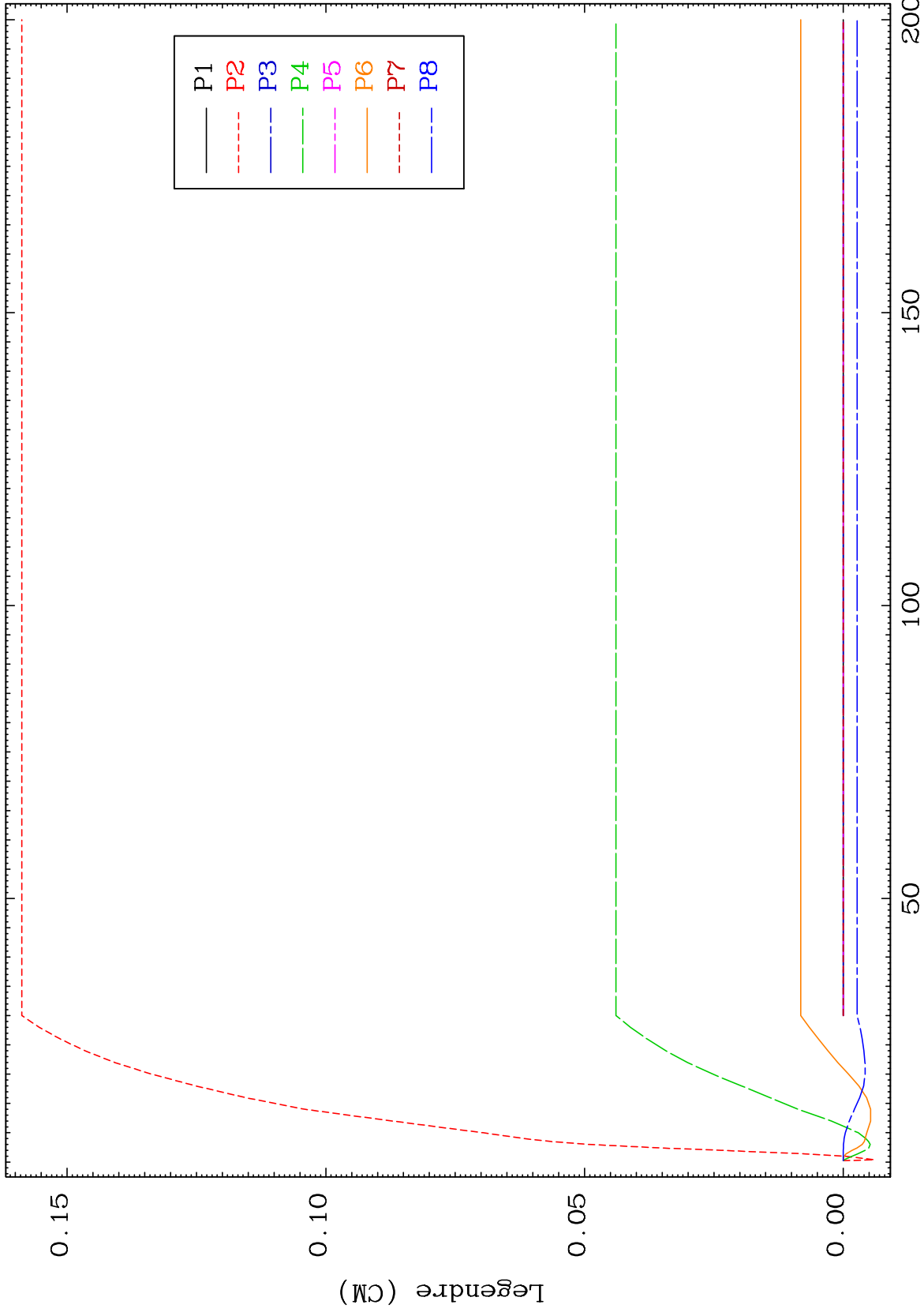
Incident Energy (MeV)

34-Se-86

MAT 3461

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

34-Se-86



91

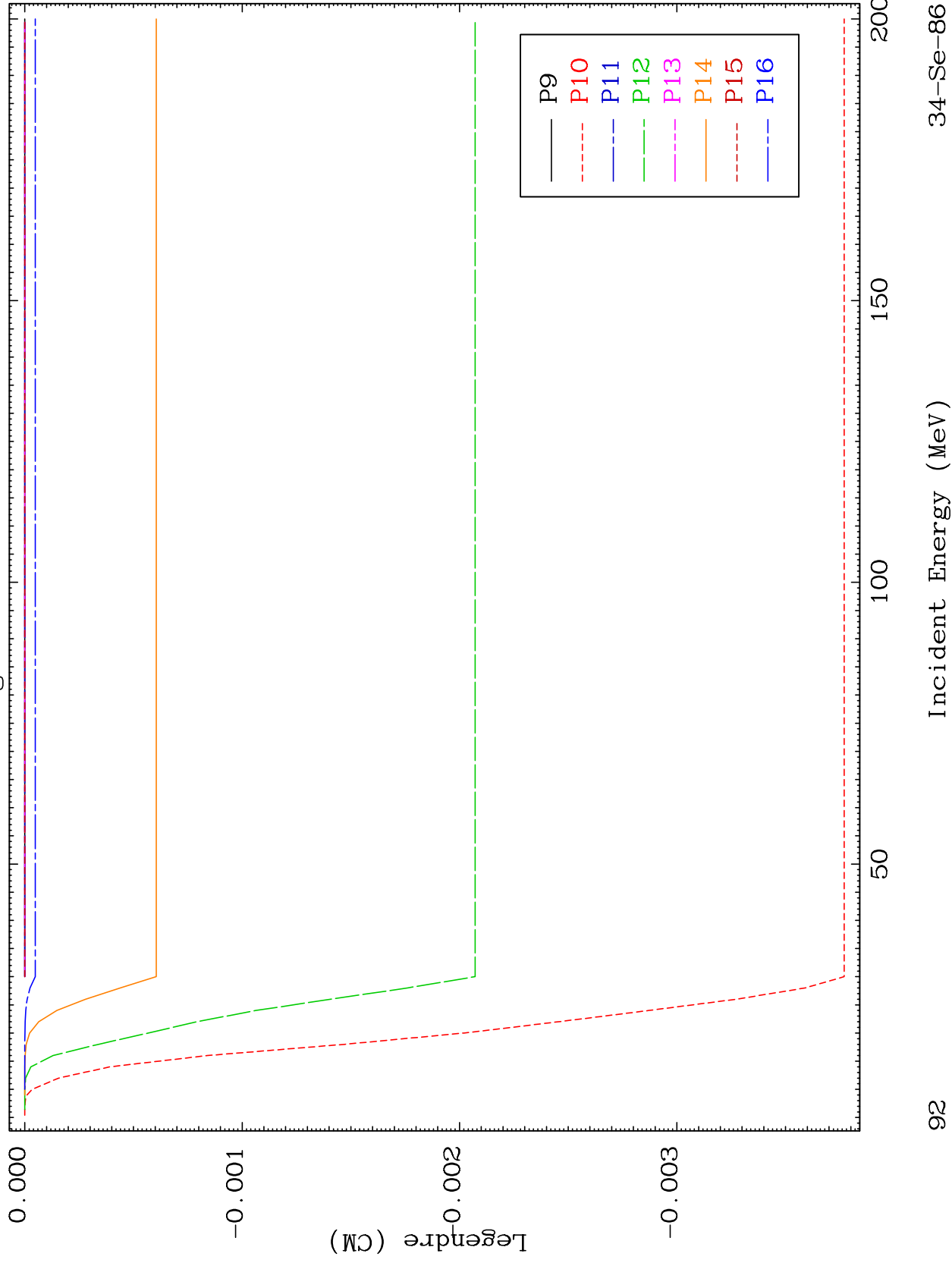
Incident Energy (MeV)

34-Se-86

MAT 3461

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

34-Se-86



92

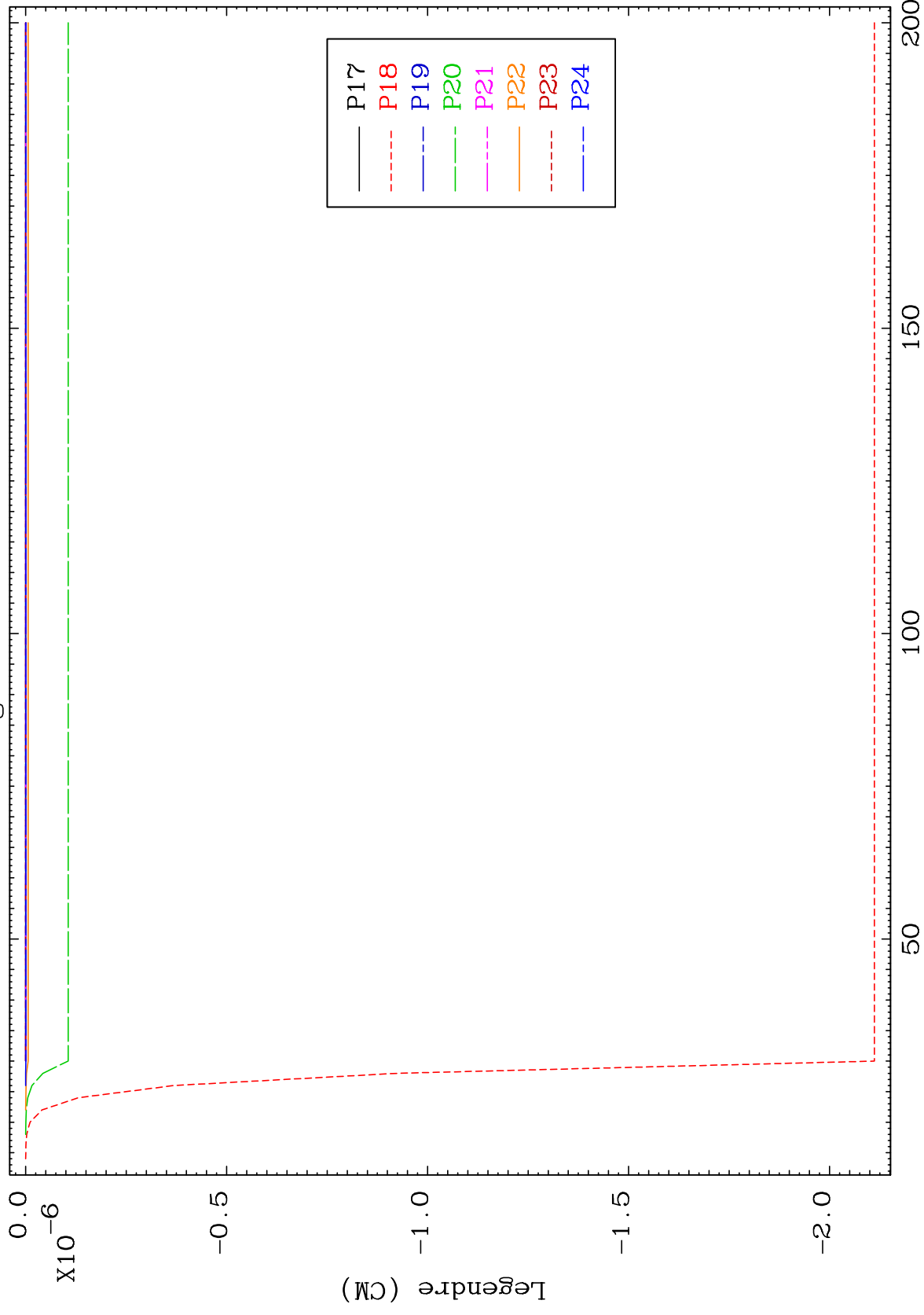
Incident Energy (MeV)

34-Se-86

MAT 3461

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

34-Se-86



34-Se-86

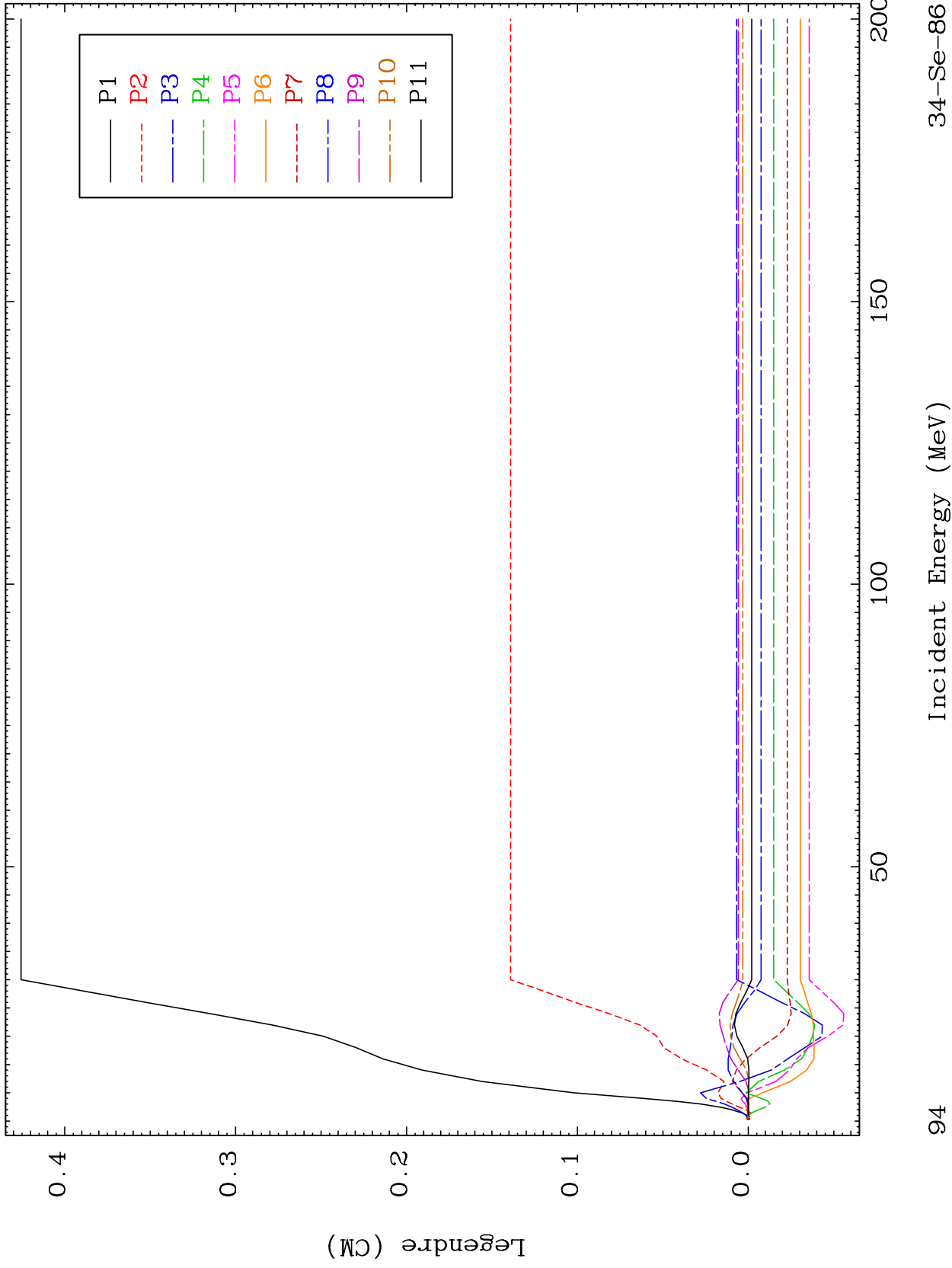
Incident Energy (MeV)

93

MAT 3461

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

<sup>34</sup>Se-86



94

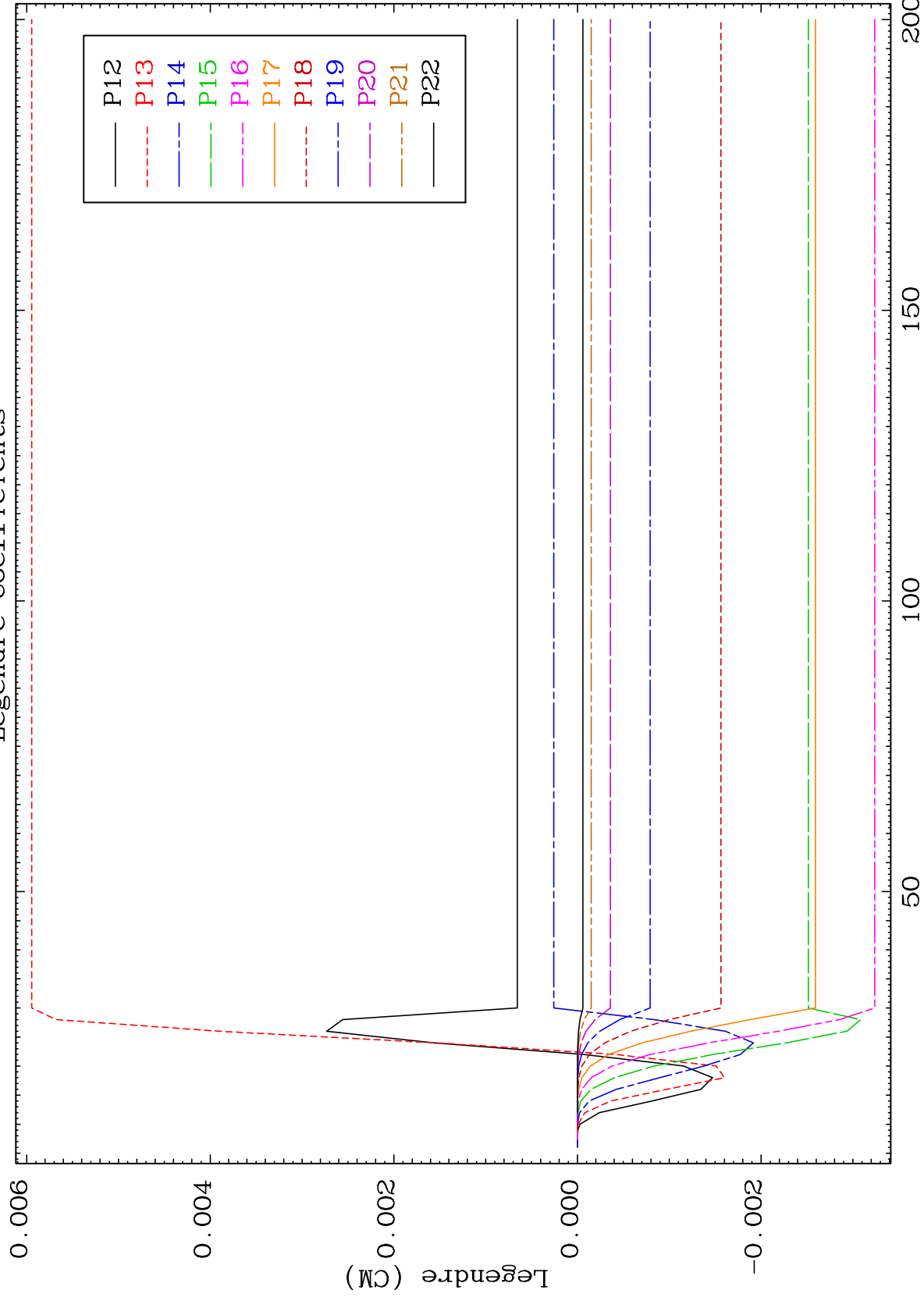
Incident Energy (MeV)

<sup>34</sup>Se-86

MAT 3461

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

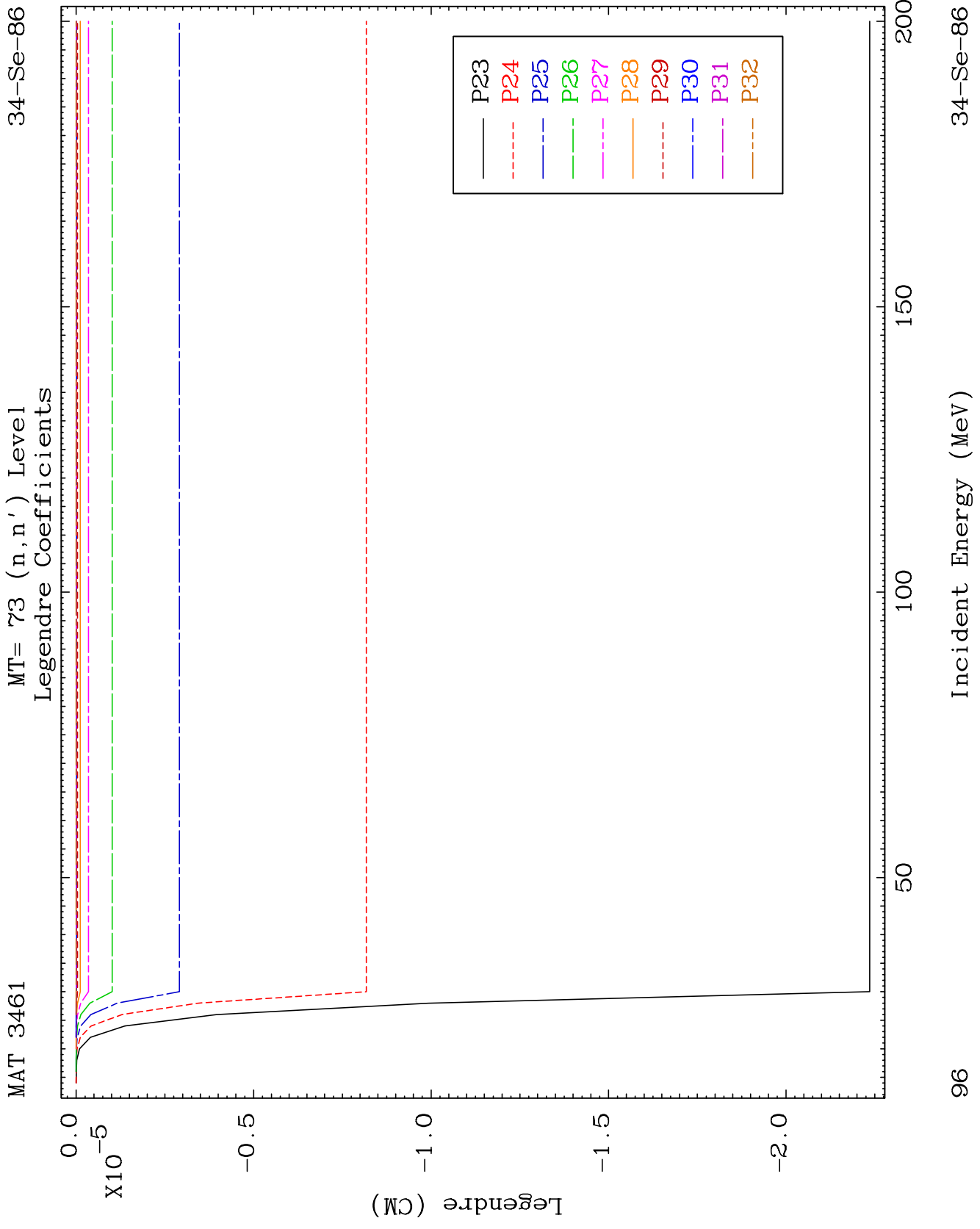
34-Se-86



95

Incident Energy (MeV)

34-Se-86

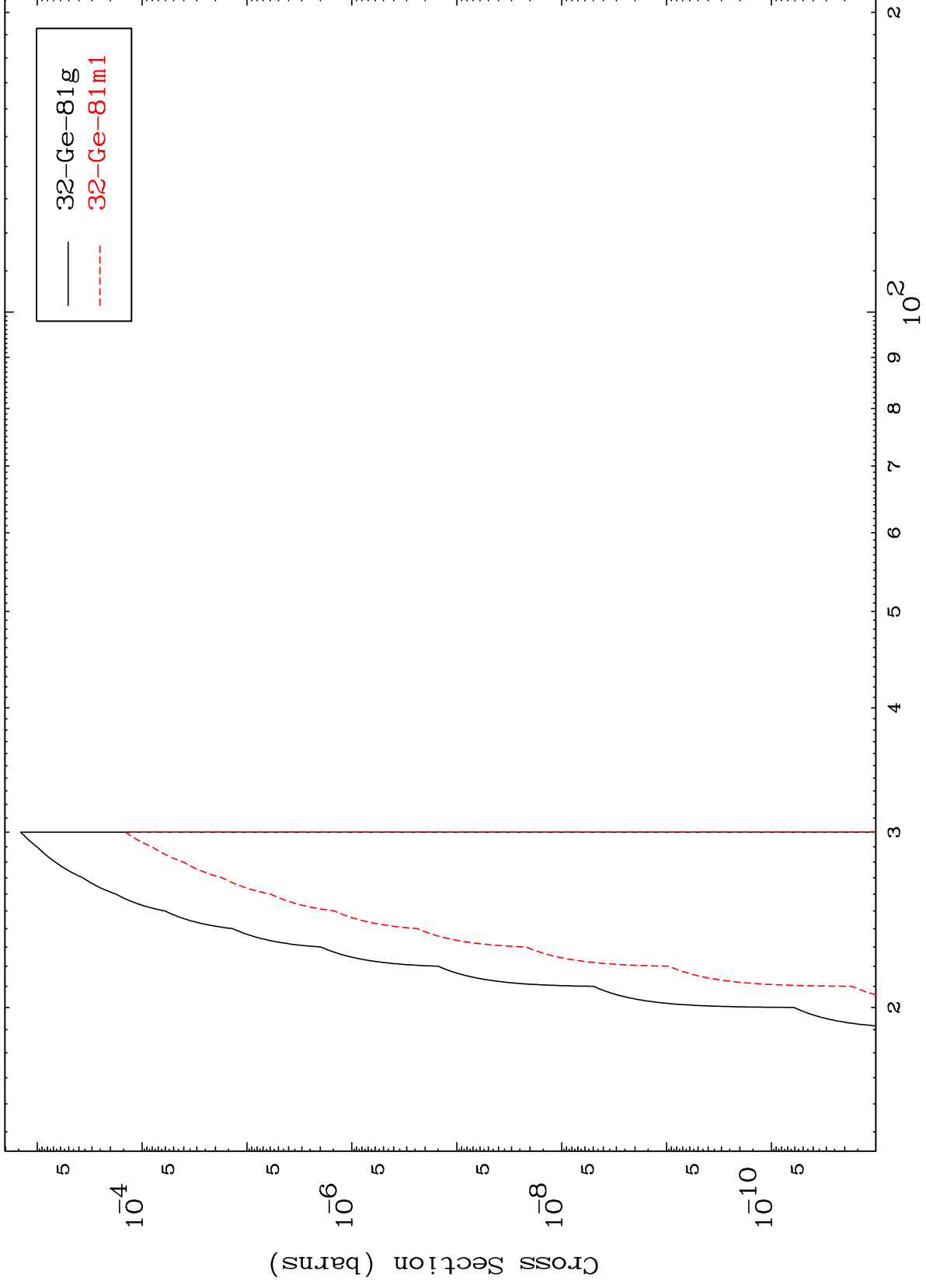


MAT 3461

$(n,2n) \alpha$

$^{34}\text{Se-86}$

Radionuclide Production Cross Section



97

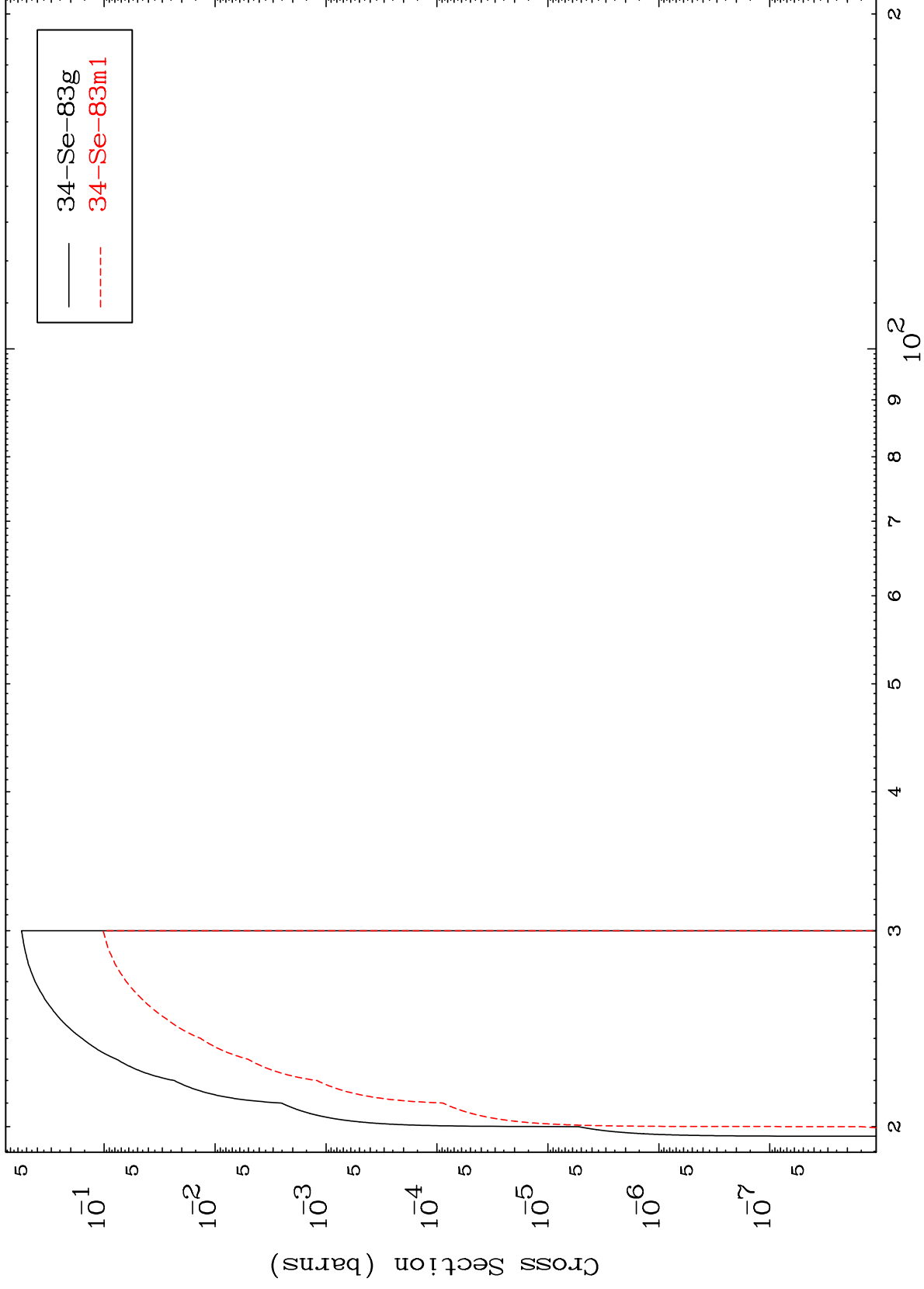
Incident Energy (MeV)

$^{34}\text{Se-86}$

MAT 3461

<sup>34</sup>Se-86

(n,4n)  
Radionuclide Production Cross Section



98

Incident Energy (MeV)

<sup>34</sup>Se-86