

Program EVALPLOT  
(Version 2017-1)

by

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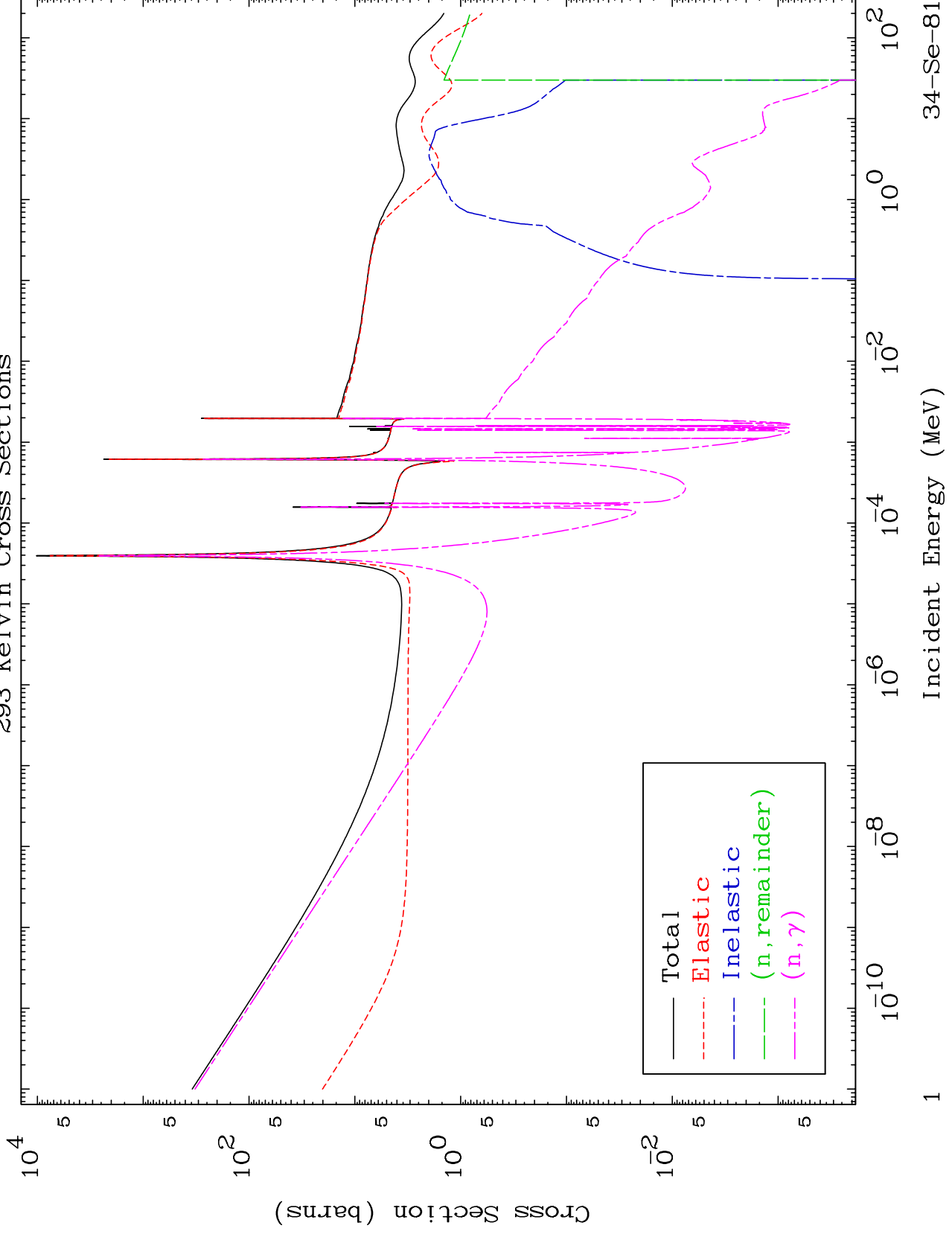
Press Mouse Button to Start

MAT 3446

Major

293 Kelvin Cross Sections

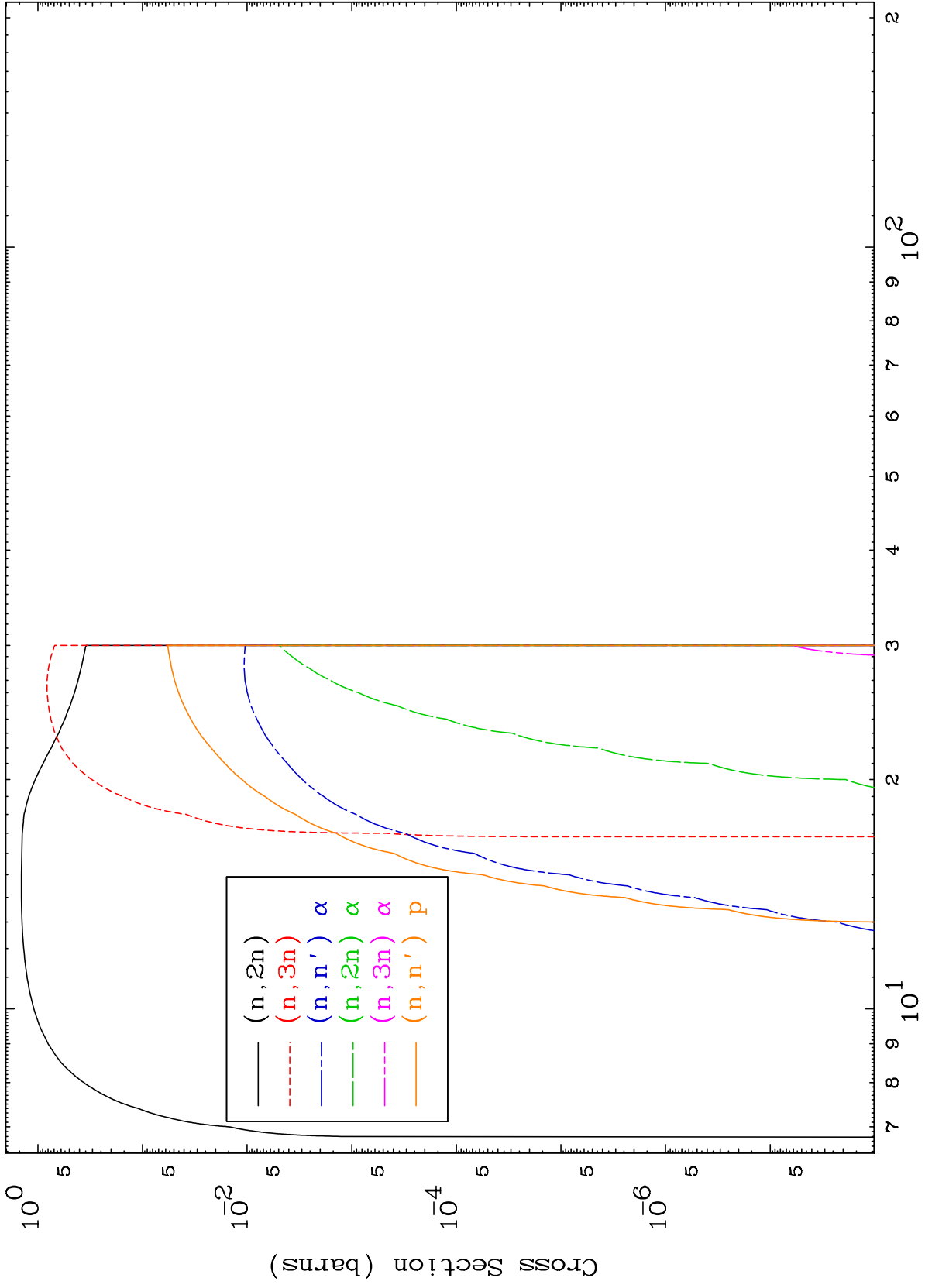
34-Se-81



MAT 3446

Neutron Production  
293 Kelvin Cross Sections

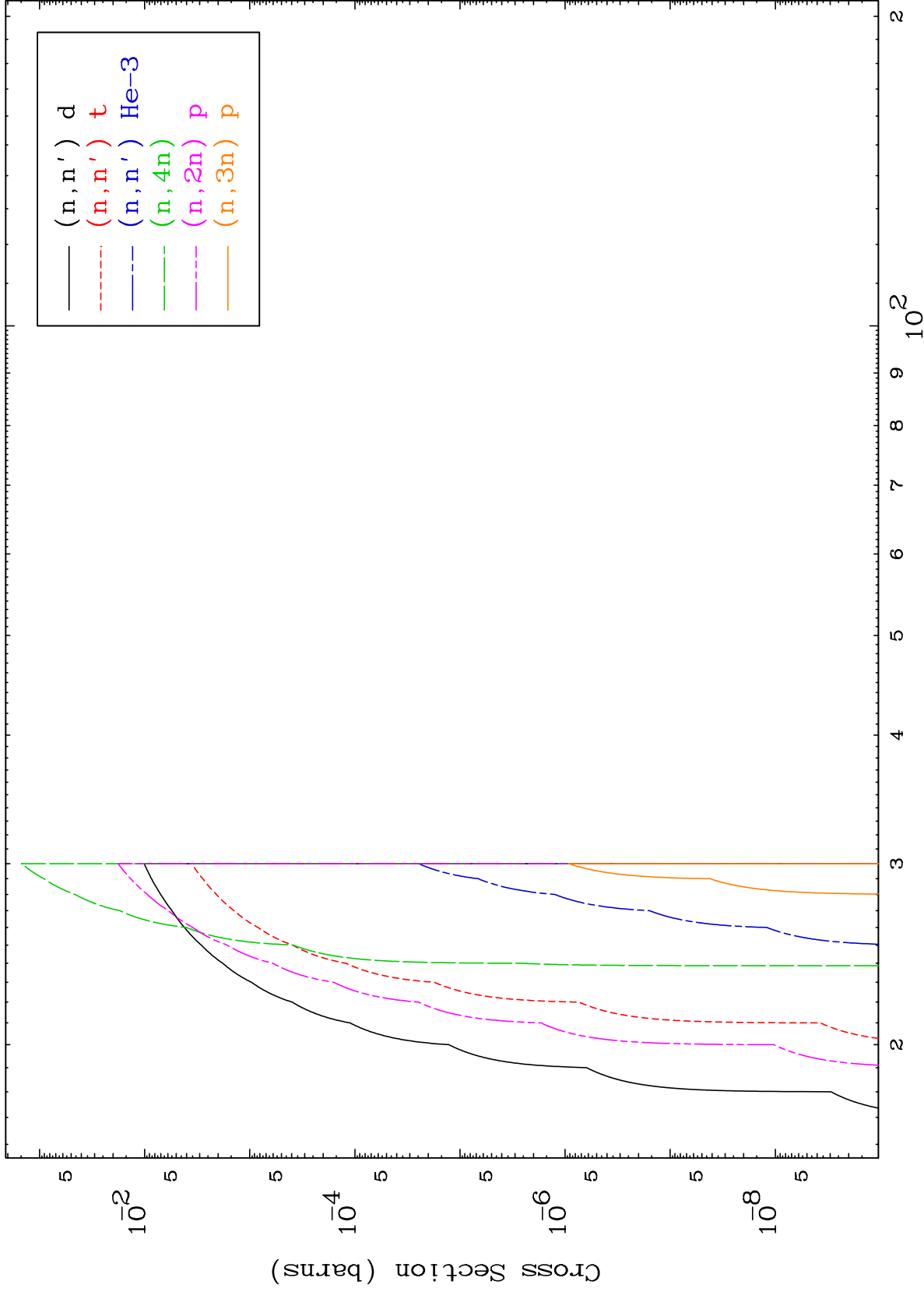
<sup>34</sup>Se-81

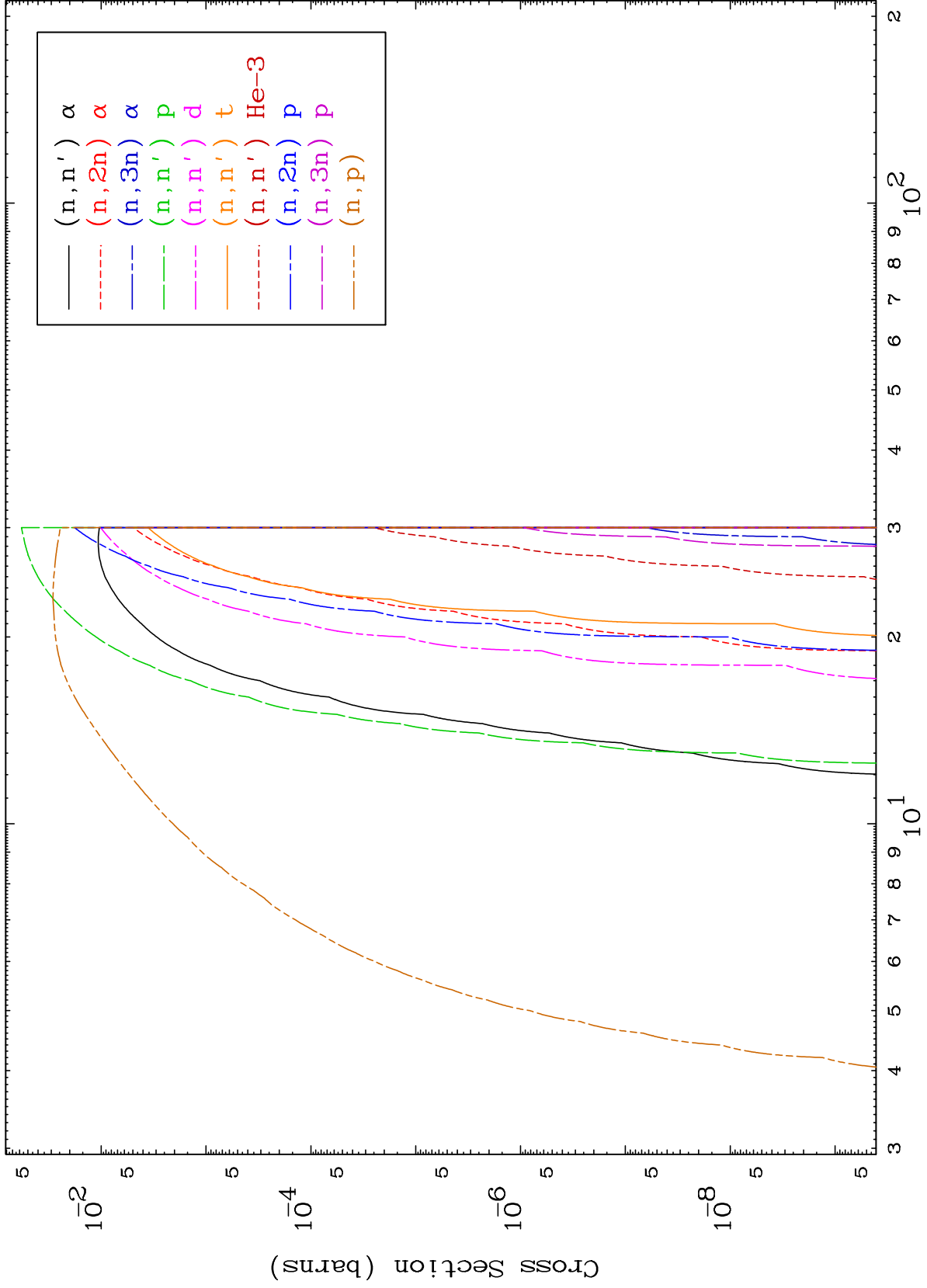


2

Incident Energy (MeV)

<sup>34</sup>Se-81

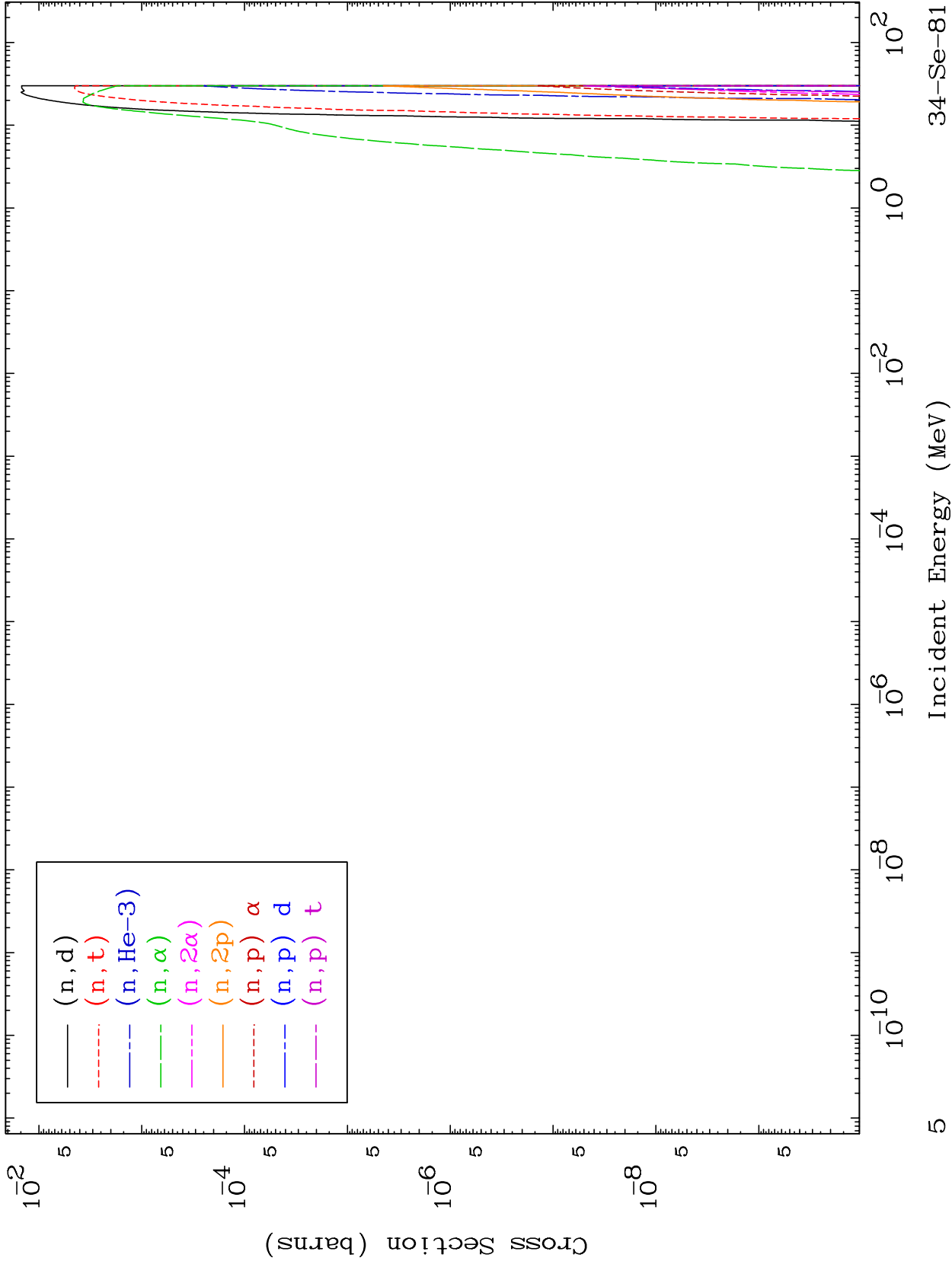




MAT 3446

Charged Particle  
293 Kelvin Cross Sections

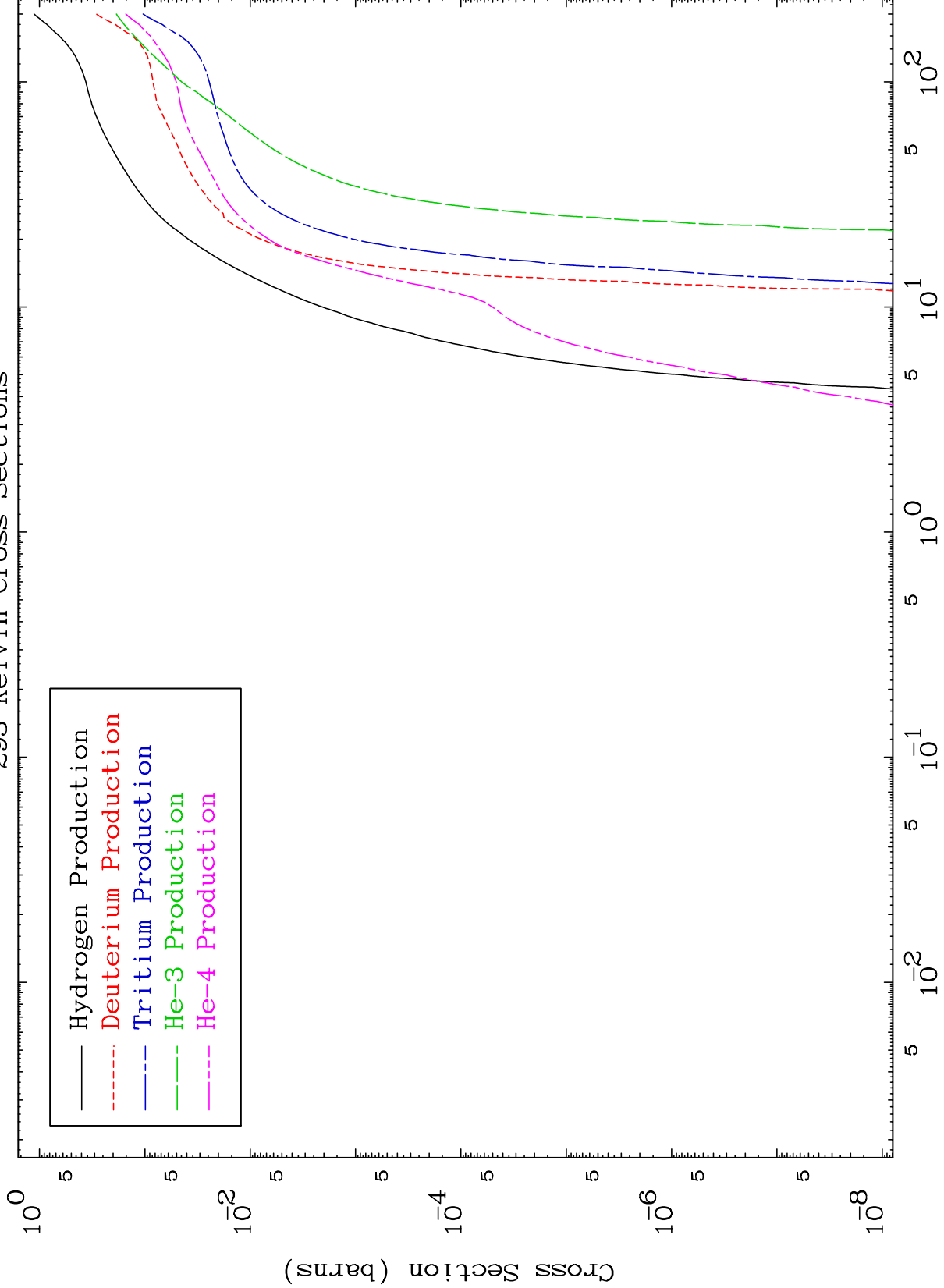
34-Se-81



MAT 3446

Particle Production  
293 Kelvin Cross Sections

<sup>34</sup>Se-81



6

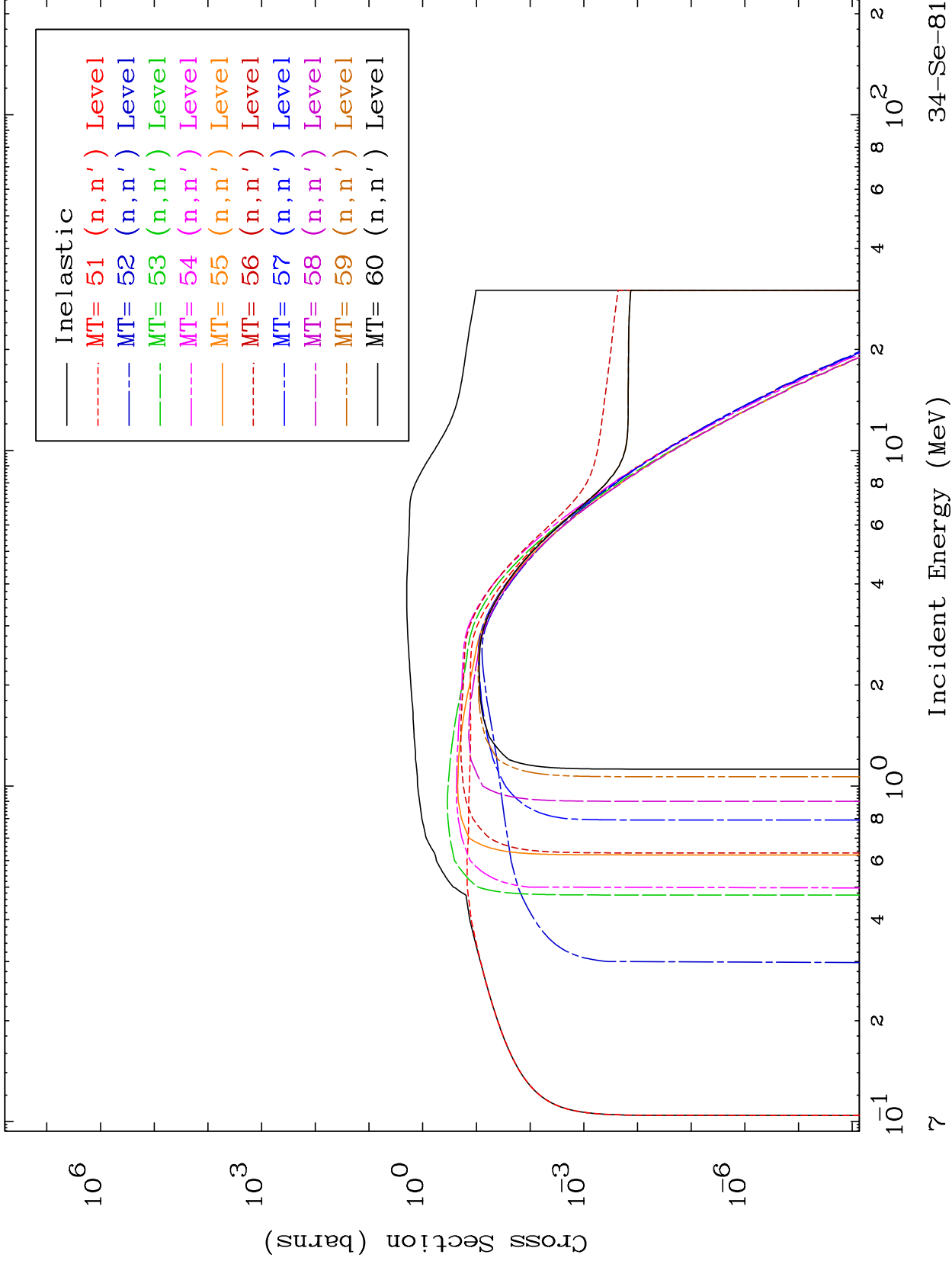
<sup>34</sup>Se-81

MAT 3446

(n,n') Level

34-Se-81

293 Kelvin Cross Sections



Incident Energy (MeV)

34-Se-81

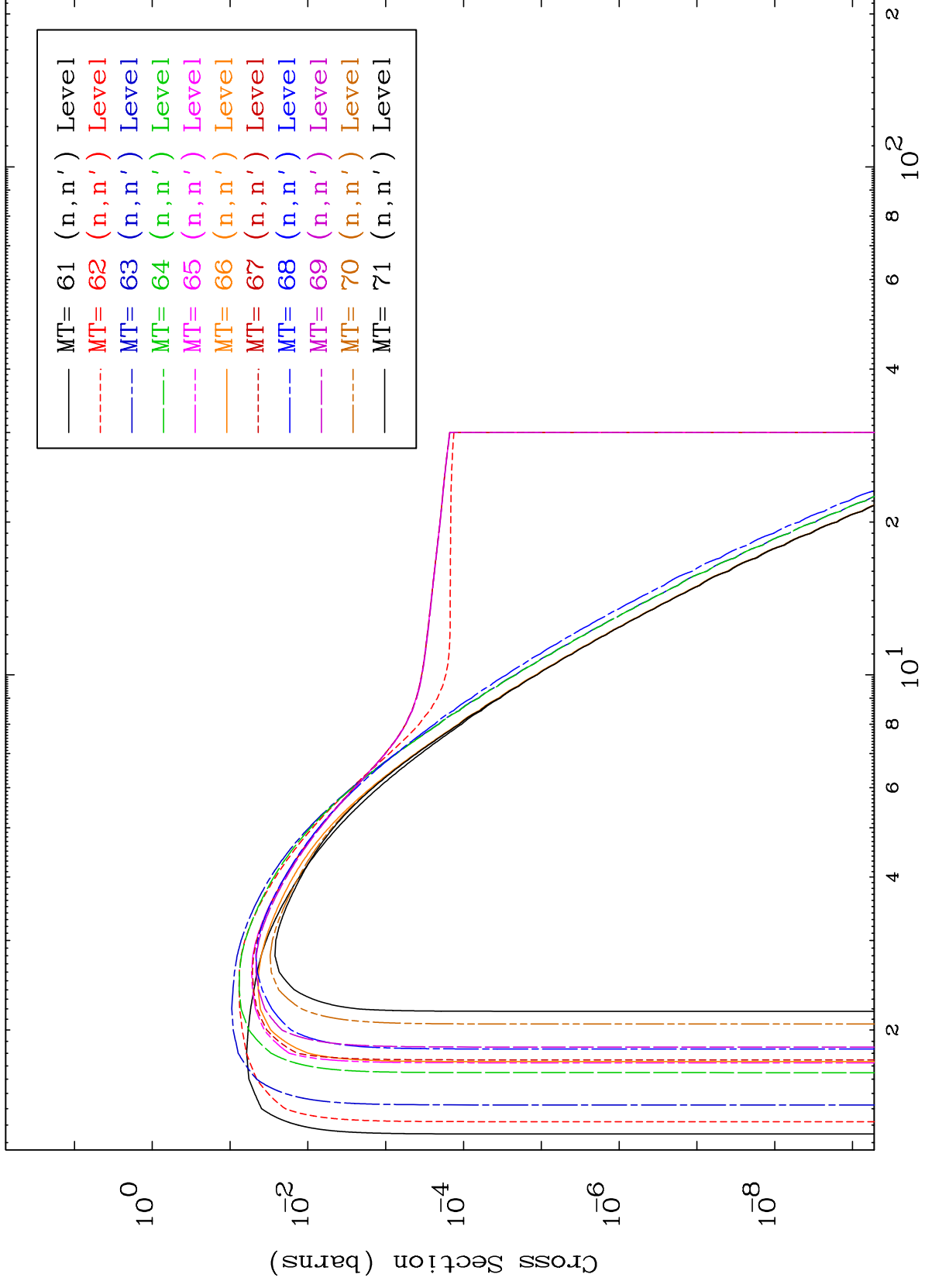


MAT 3446

(n,n') Level

34-Se-81

293 Kelvin Cross Sections

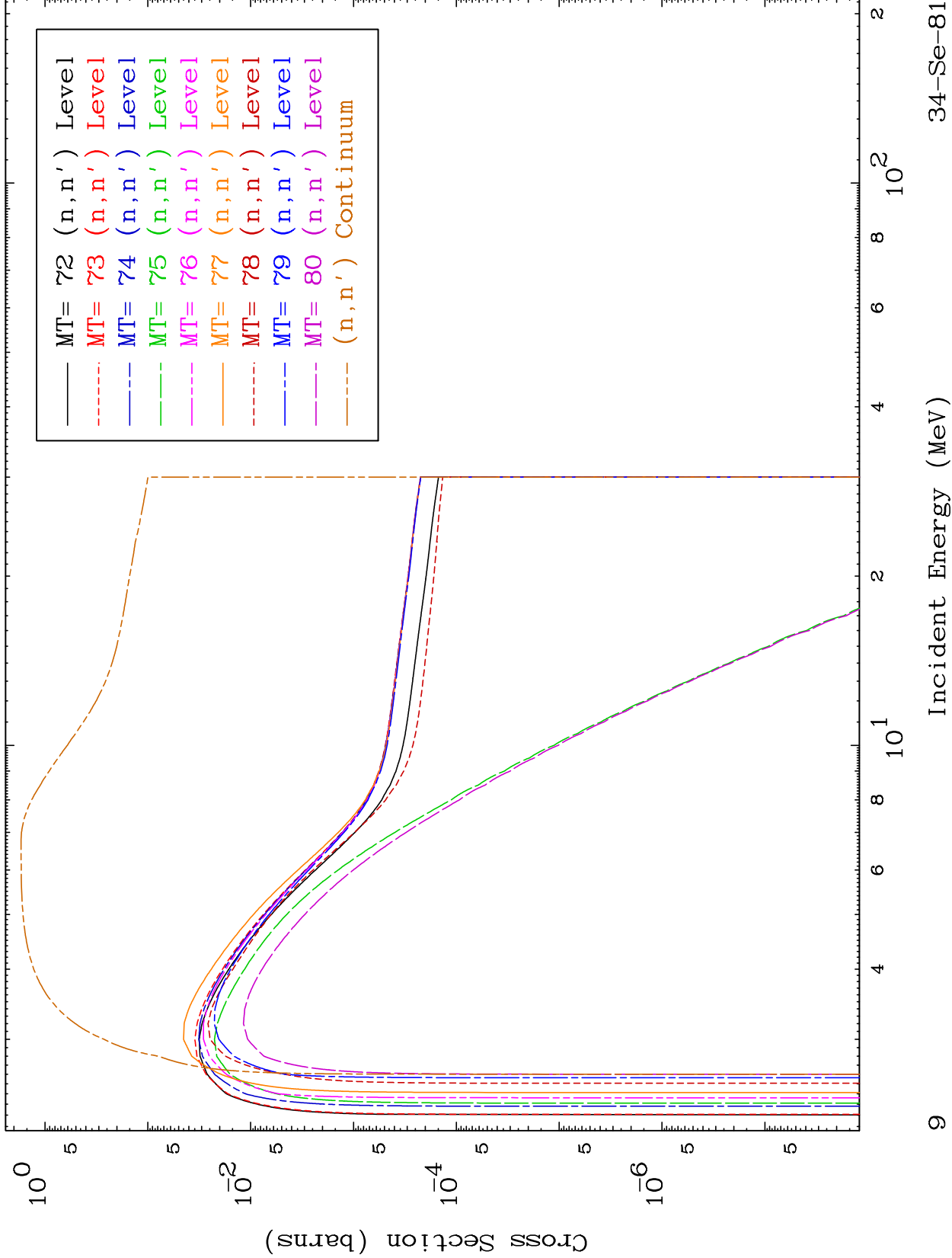


8

Incident Energy (MeV)

34-Se-81

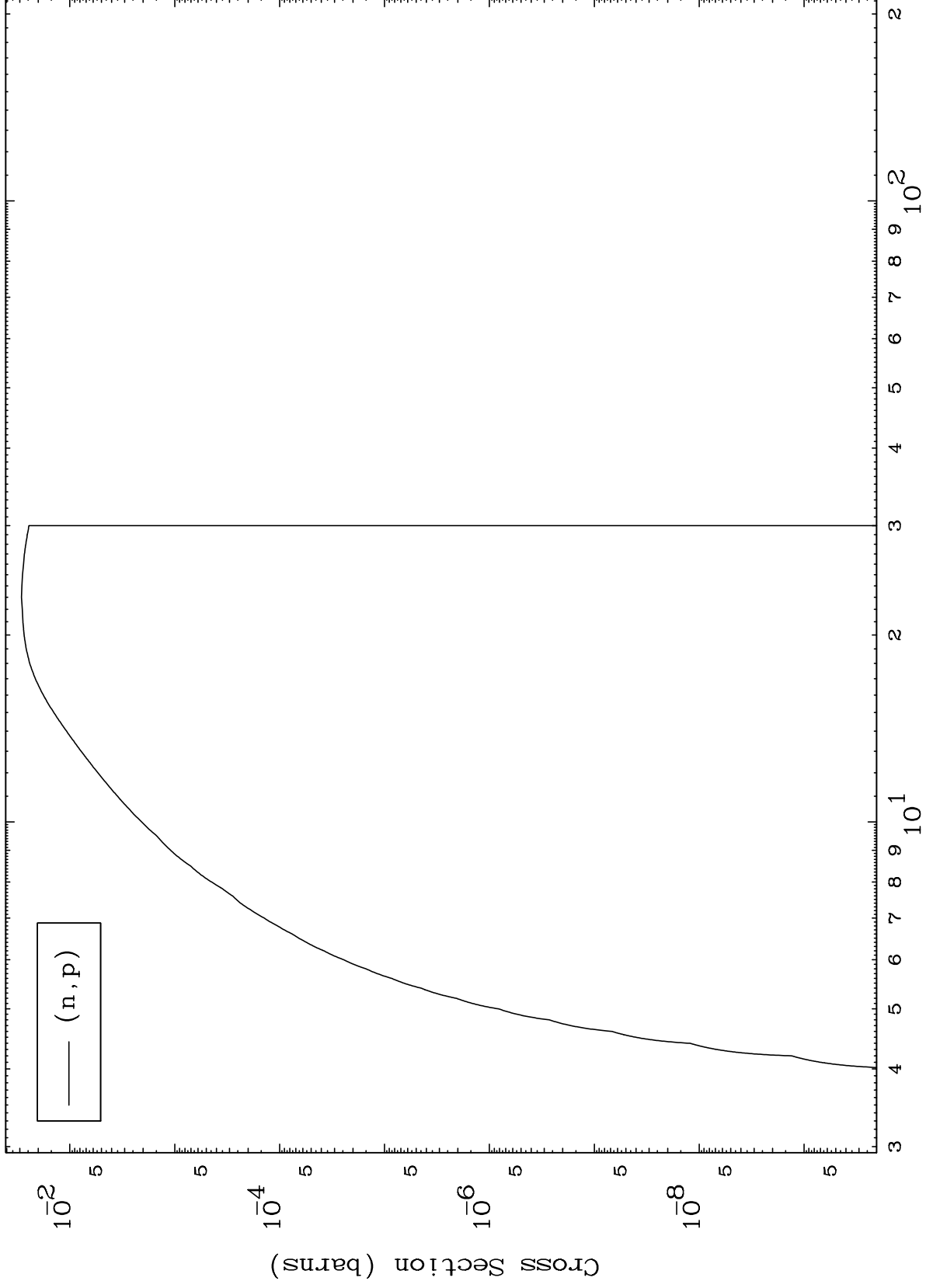
293 Kelvin Cross Sections



MAT 3446

(n,p) Levels  
293 Kelvin Cross Sections

<sup>34</sup>Se-81



10

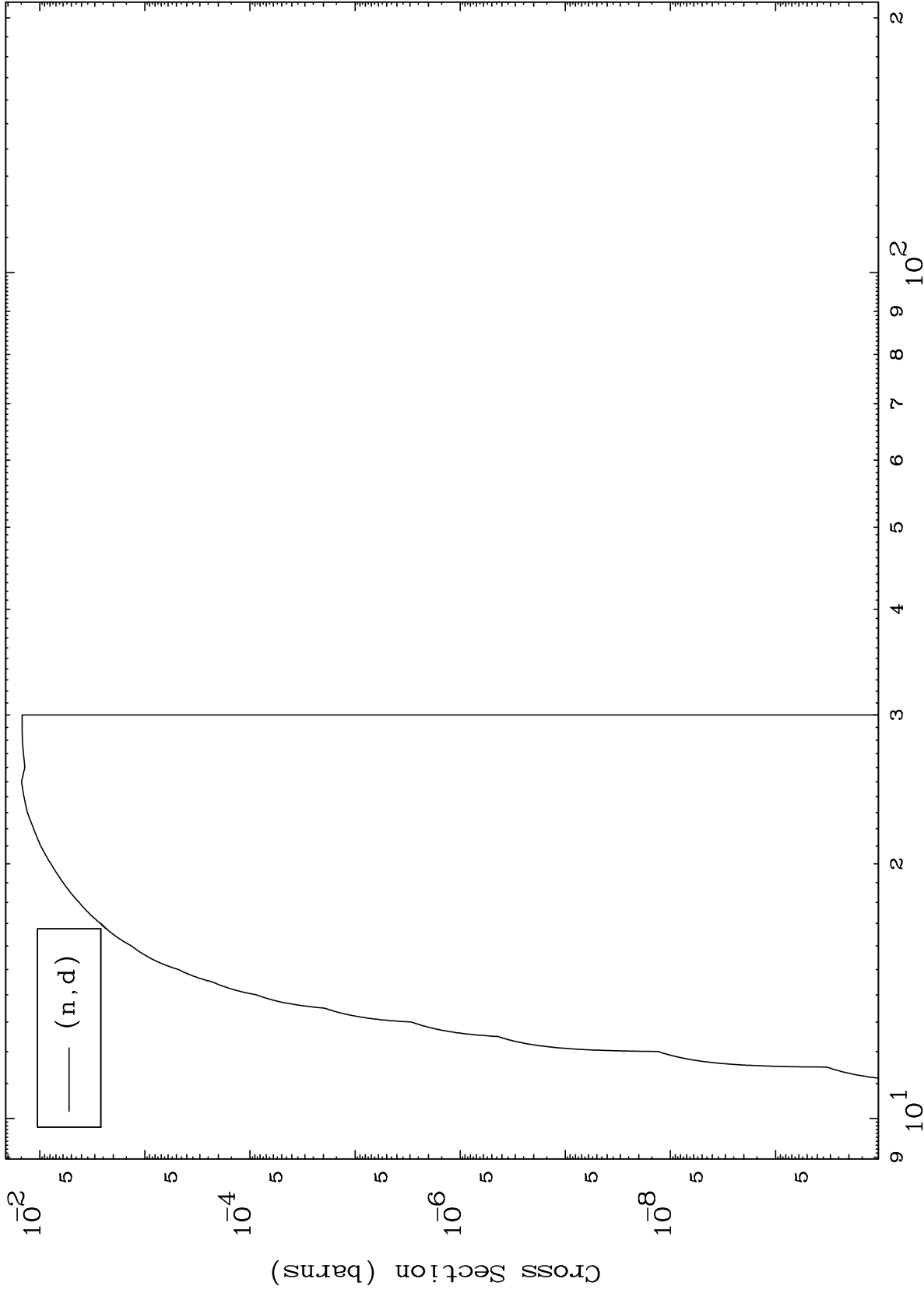
Incident Energy (MeV)

<sup>34</sup>Se-81

MAT 3446

(n,d) Levels  
293 Kelvin Cross Sections

<sup>34</sup>Se-81



11

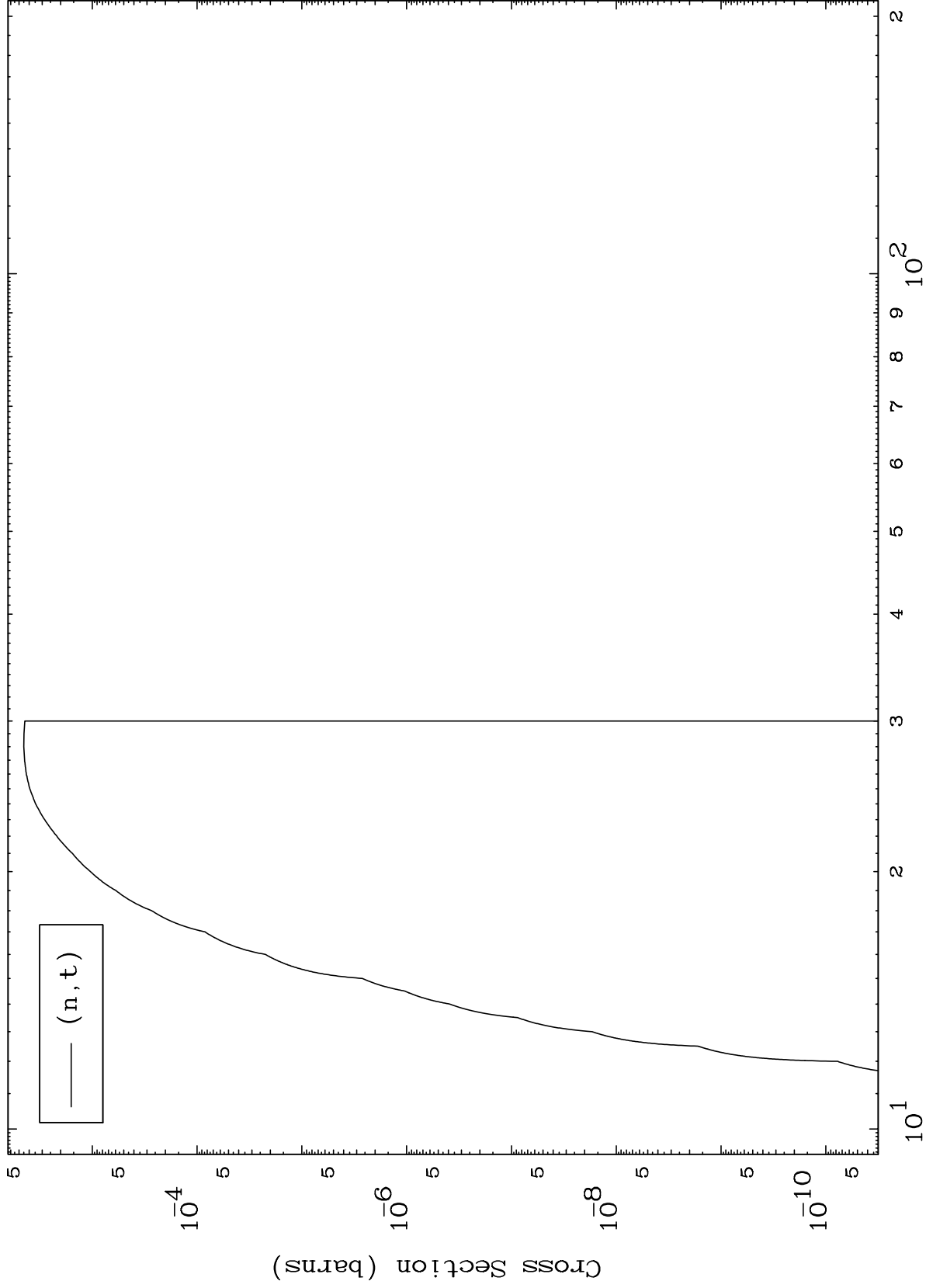
Incident Energy (MeV)

<sup>34</sup>Se-81

MAT 3446

(n,t) Levels  
293 Kelvin Cross Sections

<sup>34</sup>Se-81



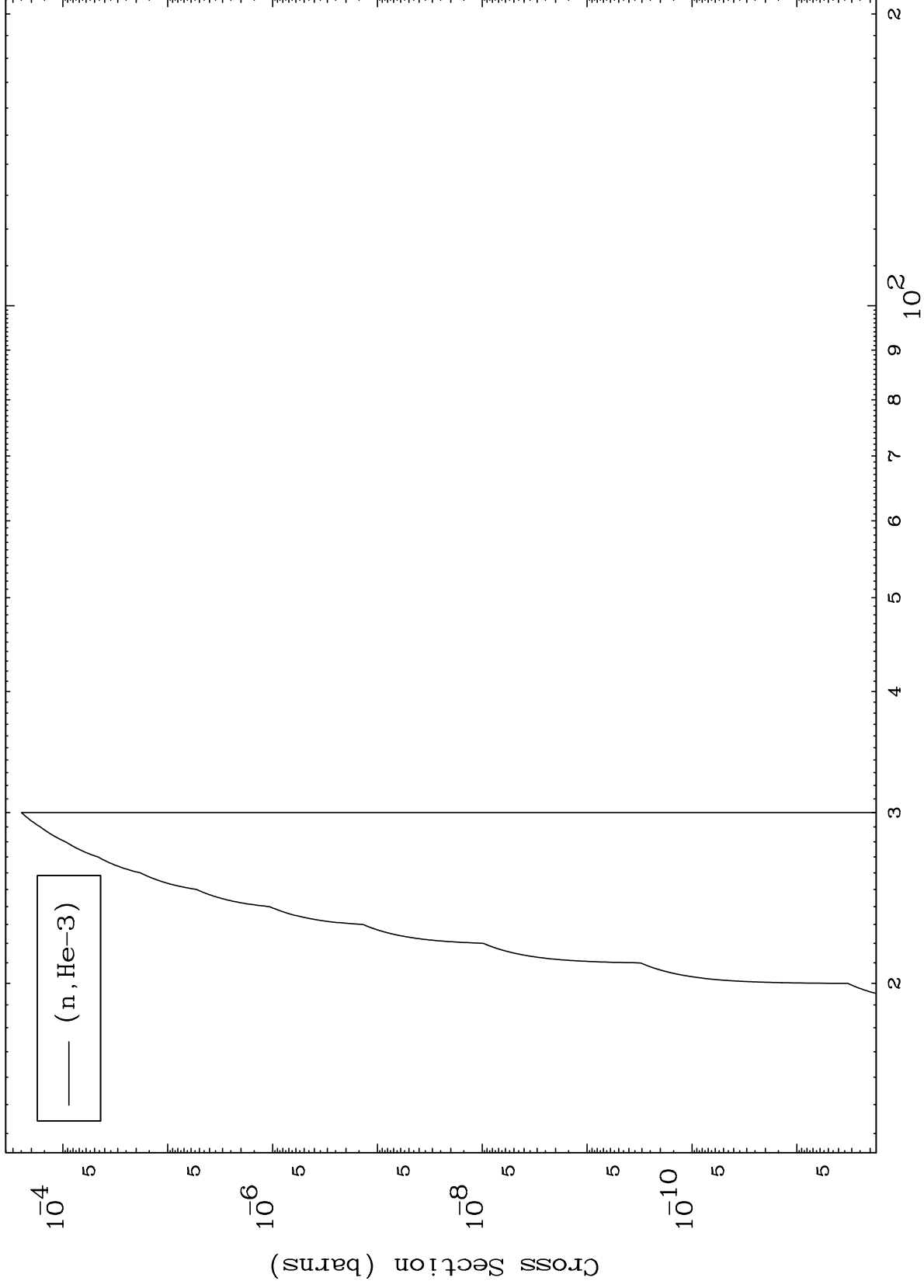
Incident Energy (MeV)

<sup>34</sup>Se-81

MAT 3446

(n,He3) Levels  
293 Kelvin Cross Sections

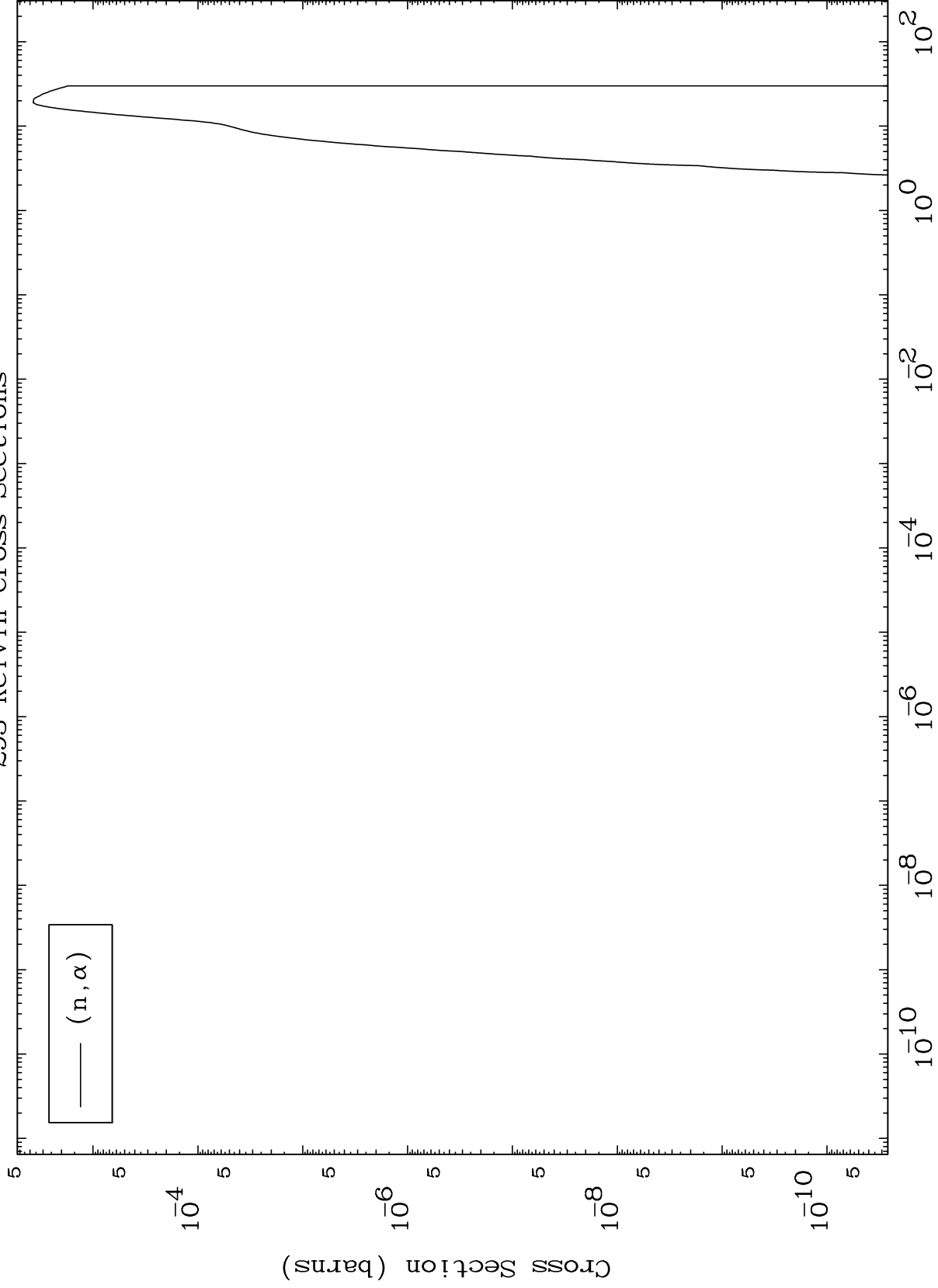
34-Se-81

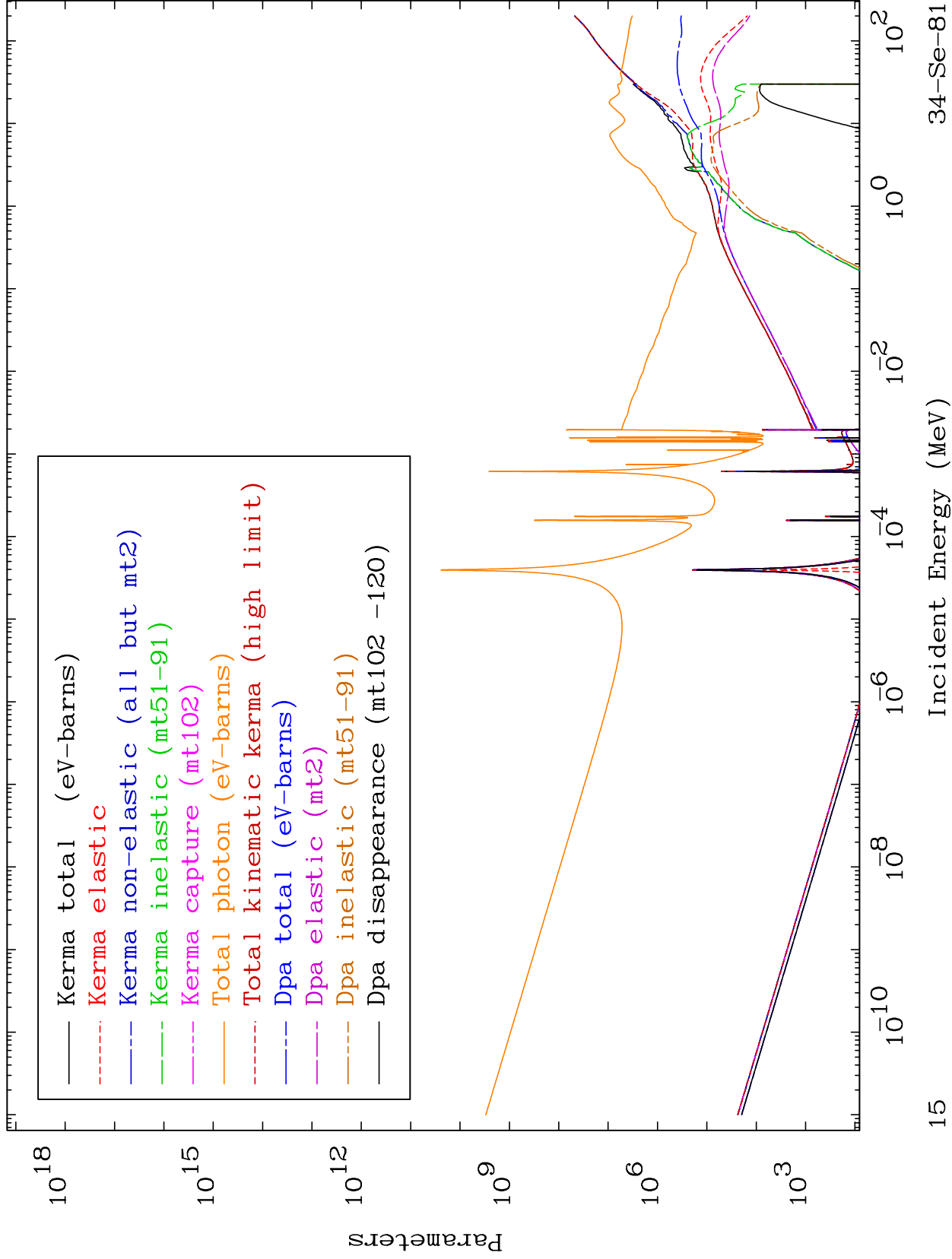


MAT 3446

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

<sup>34</sup>Se-81



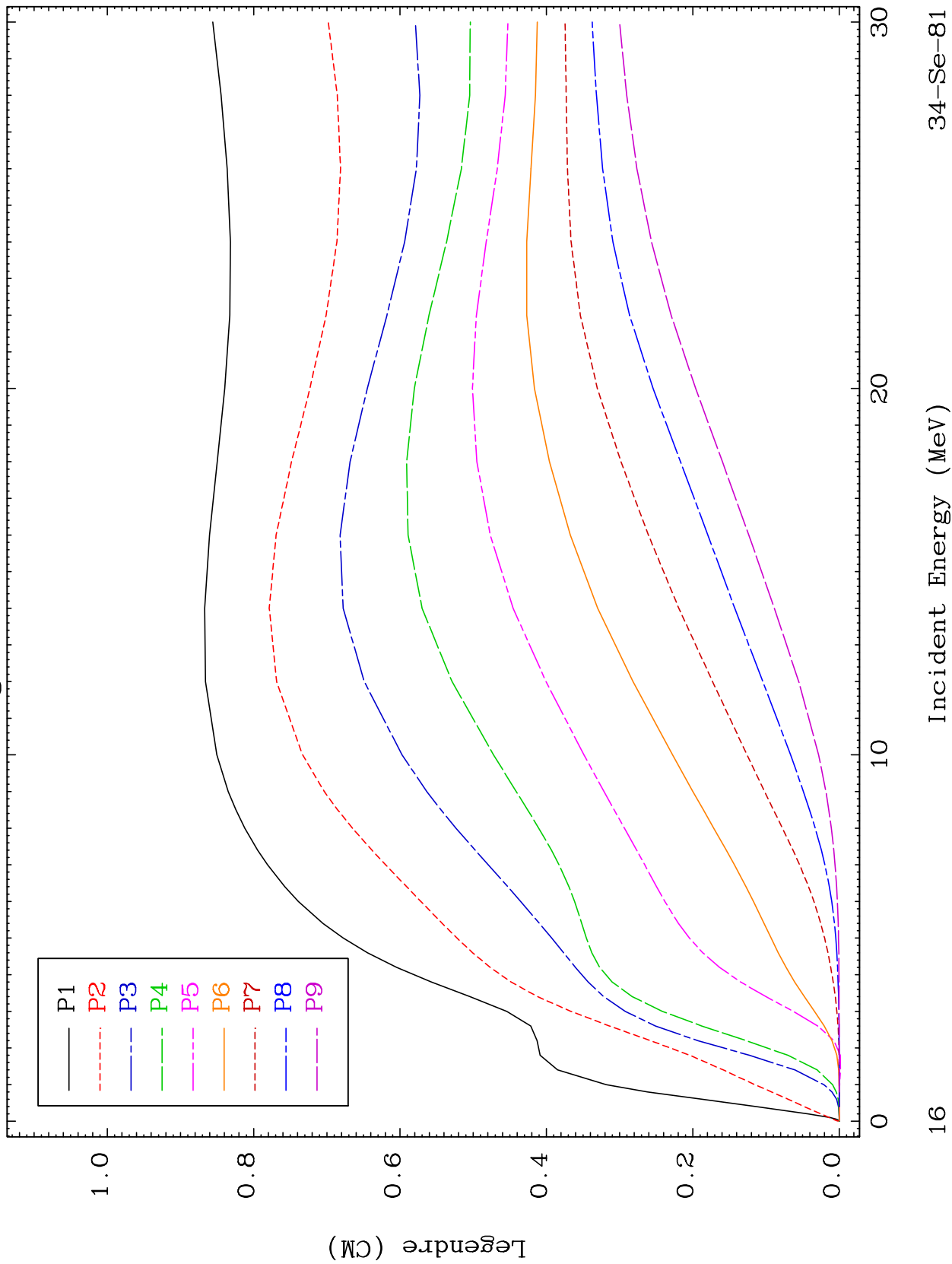




MAT 3446

Elastic Legendre Coefficients

<sup>34</sup>Se-81



16

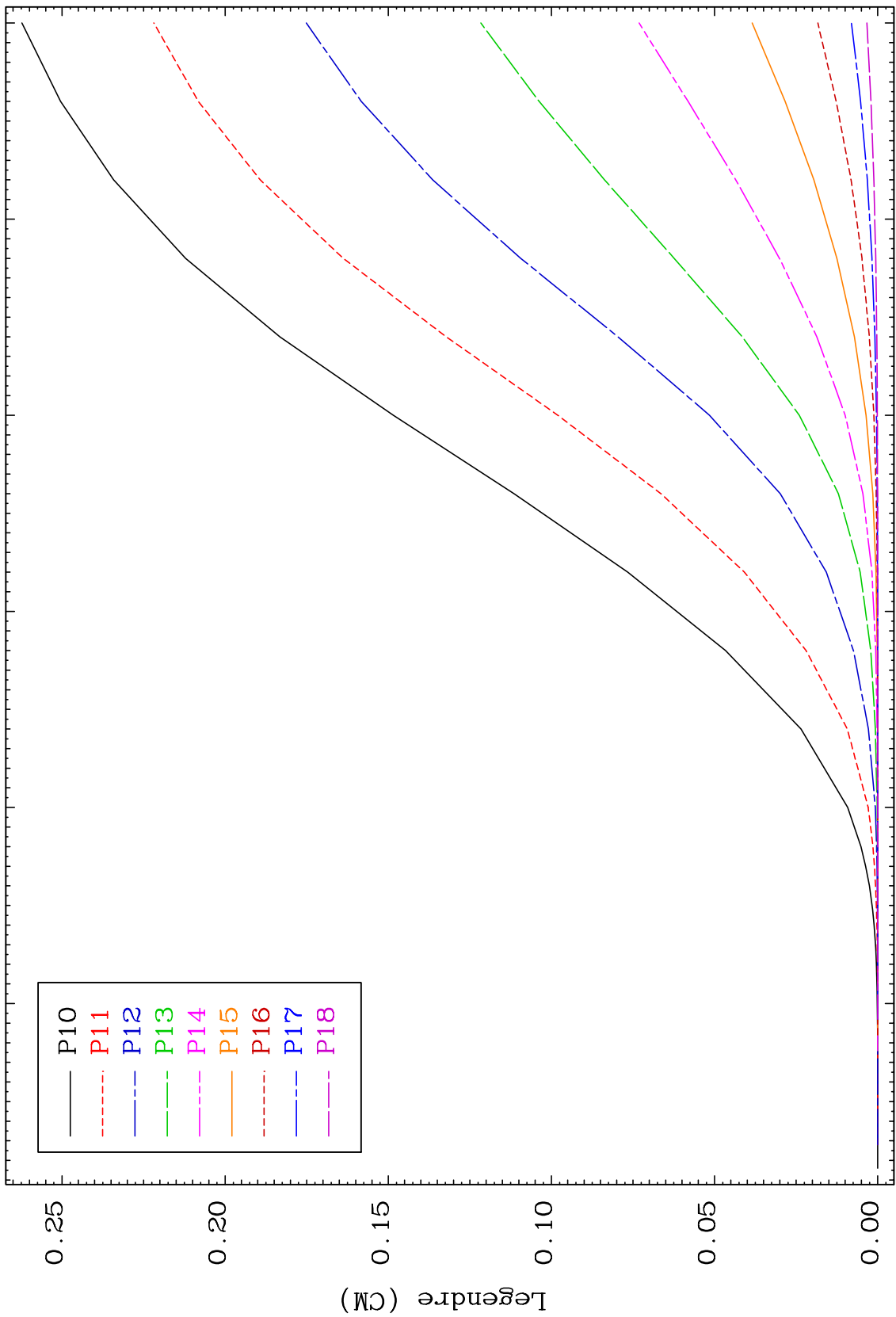
Incident Energy (MeV)

<sup>34</sup>Se-81

MAT 3446

Elastic Legendre Coefficients

<sup>34</sup>Se-81



17

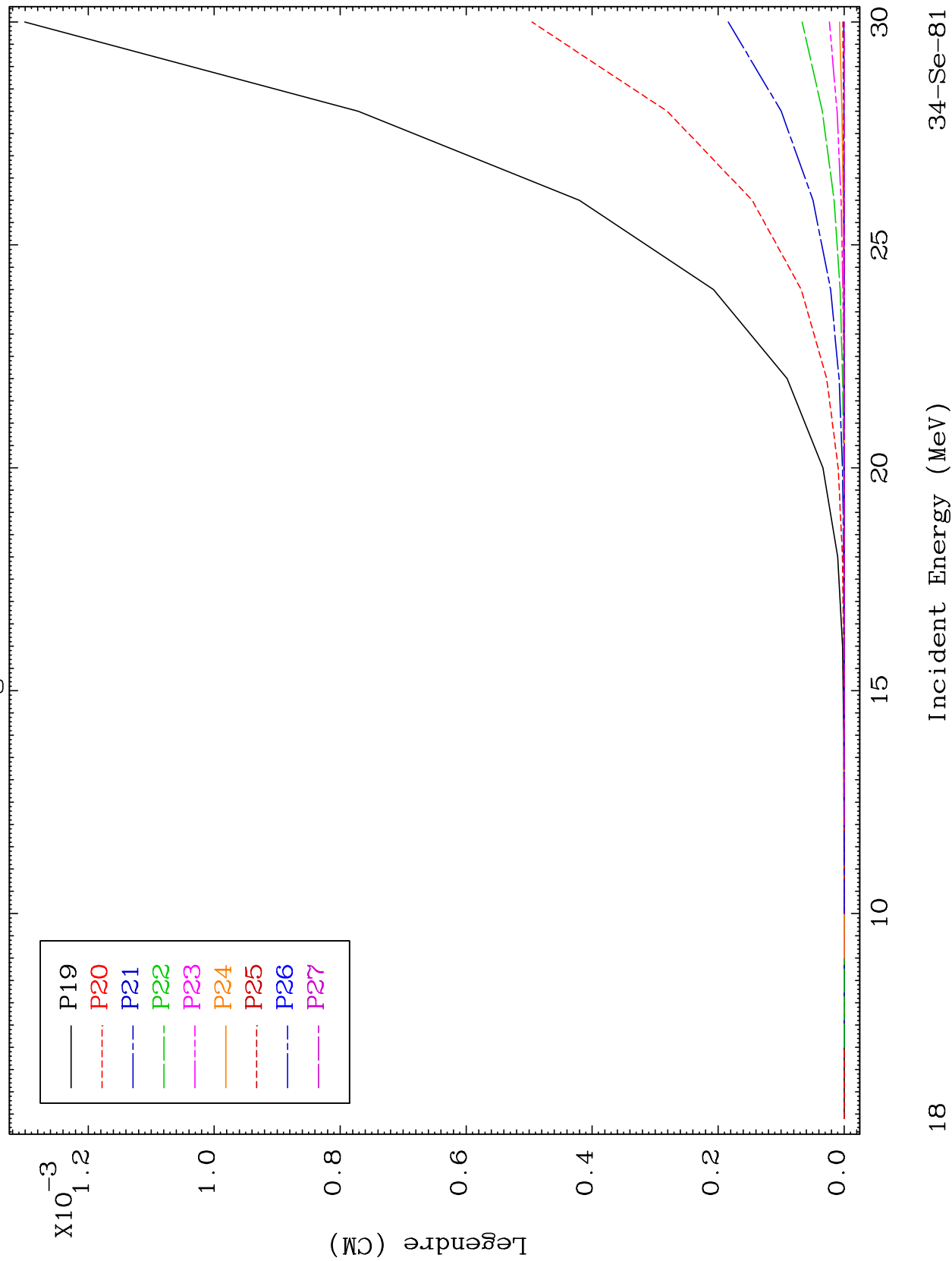
<sup>34</sup>Se-81

Incident Energy (MeV)

MAT 3446

Elastic Legendre Coefficients

<sup>34</sup>Se-81



18

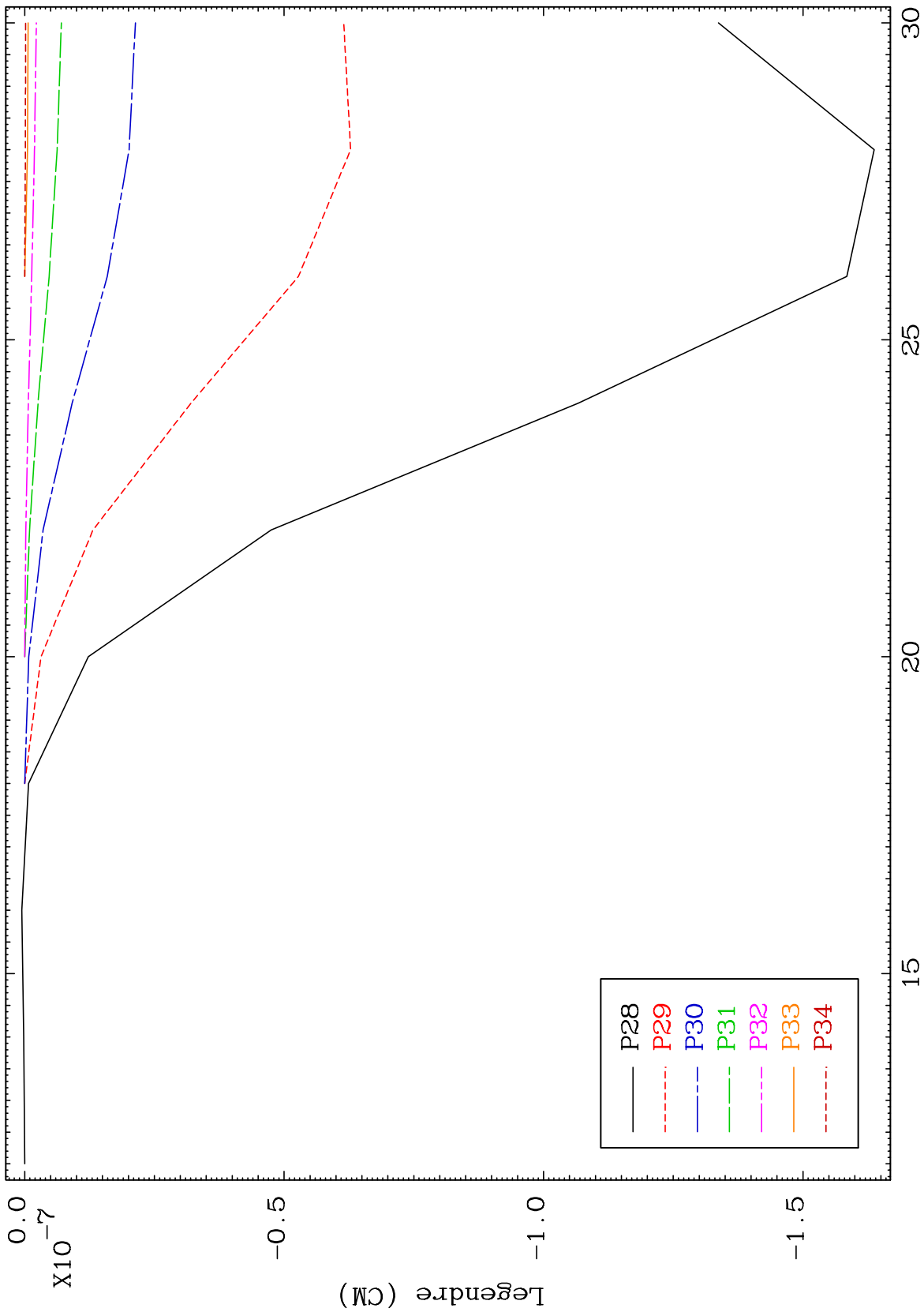
Incident Energy (MeV)

<sup>34</sup>Se-81

MAT 3446

34-Se-81

Elastic Legendre Coefficients



0.0

$\times 10^{-7}$

-0.5

-1.0

-1.5

Legendre (CM)

15

20

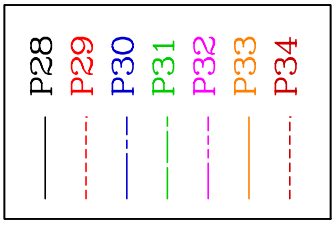
25

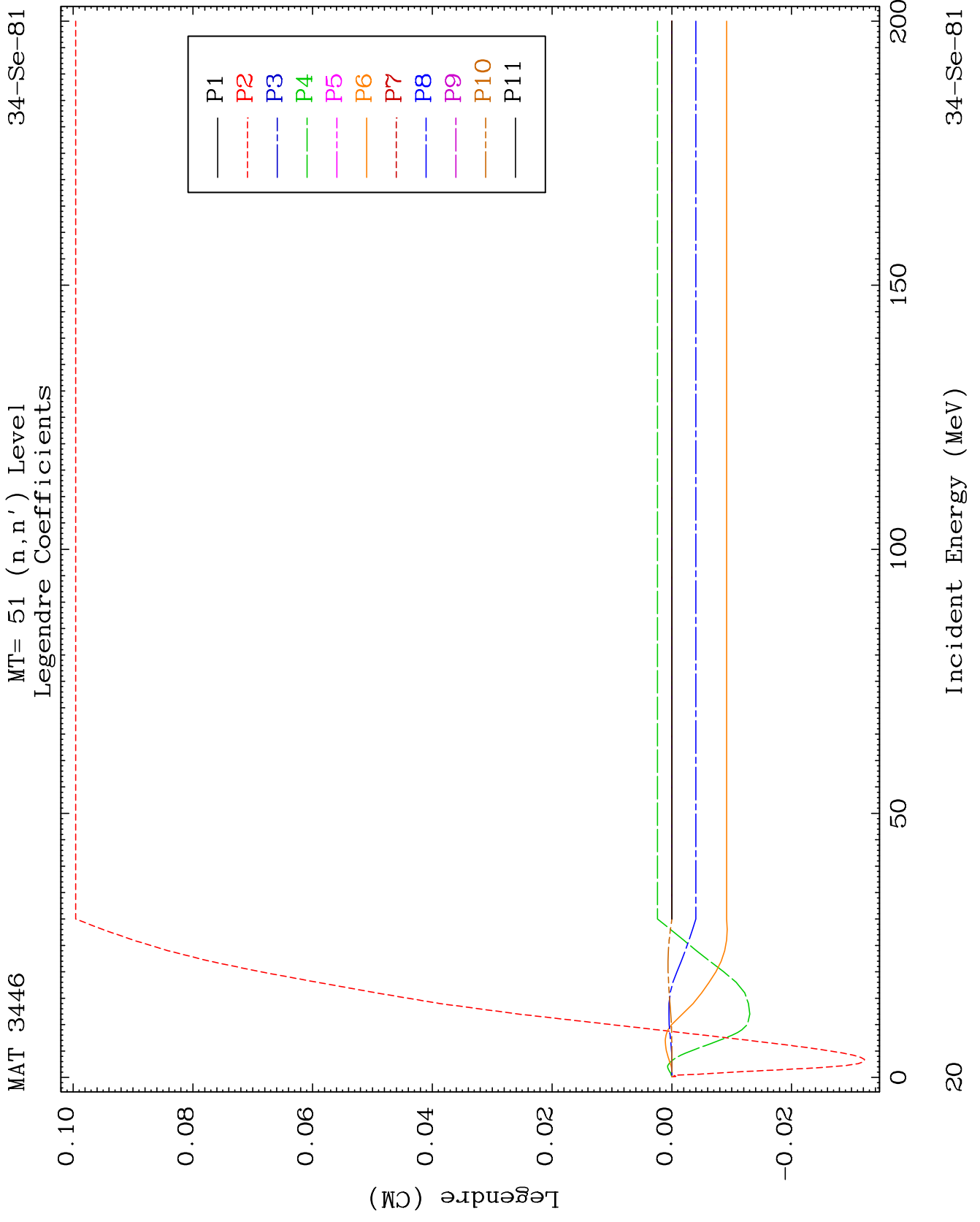
30

19

Incident Energy (MeV)

34-Se-81

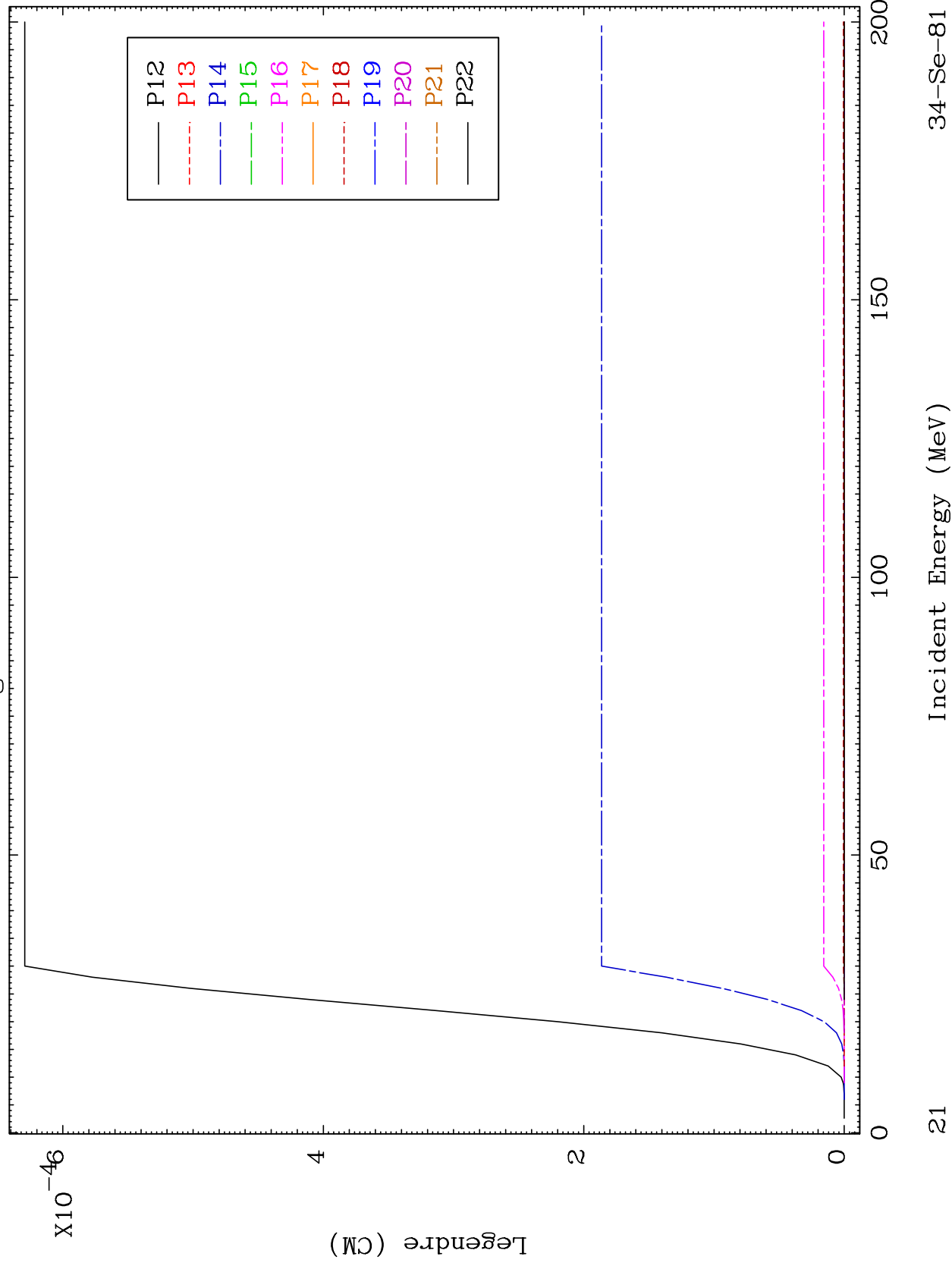




MAT 3446

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

34-Se-81



21

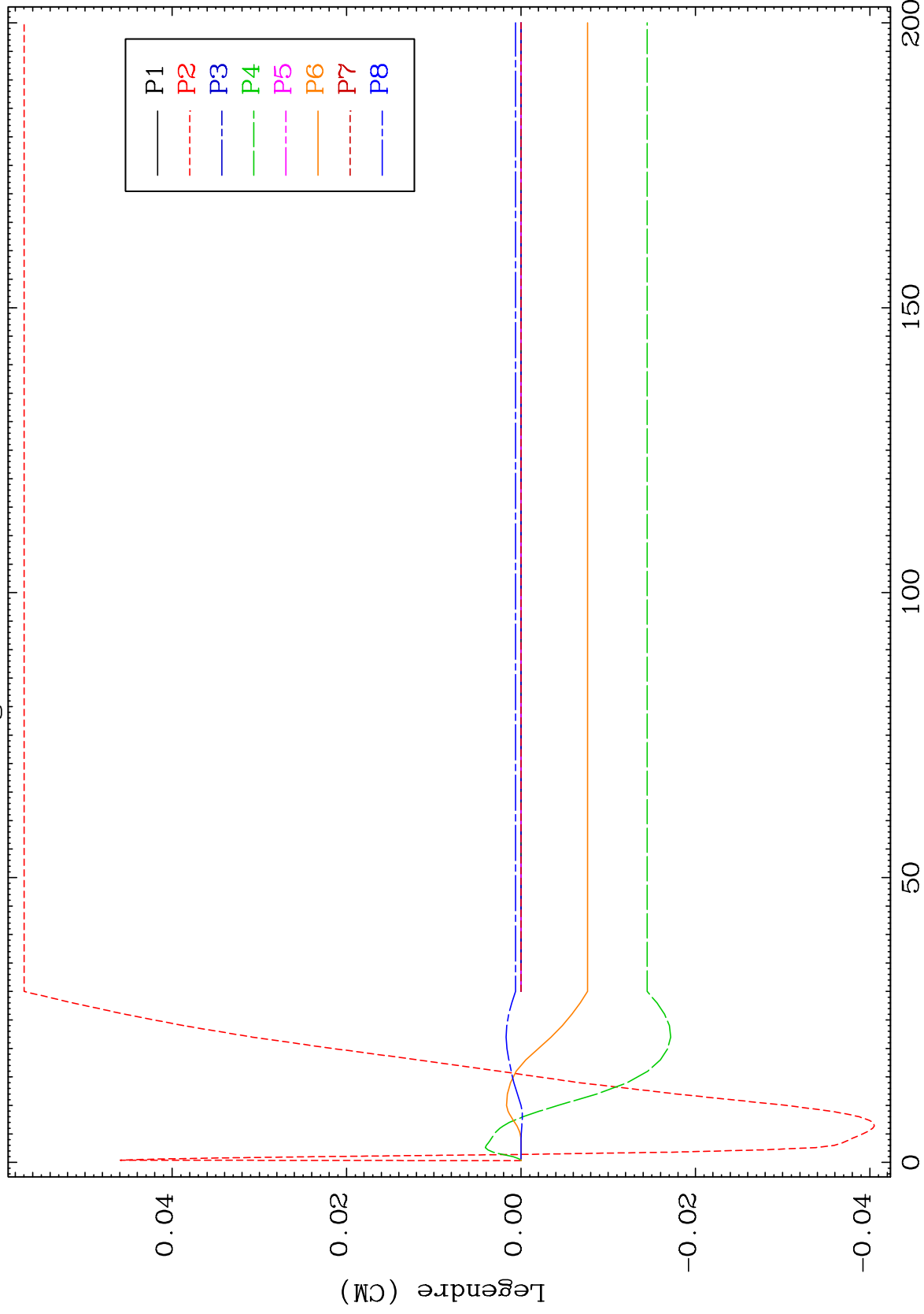
Incident Energy (MeV)

34-Se-81

MAT 3446

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

<sup>34</sup>Se-81



<sup>34</sup>Se-81

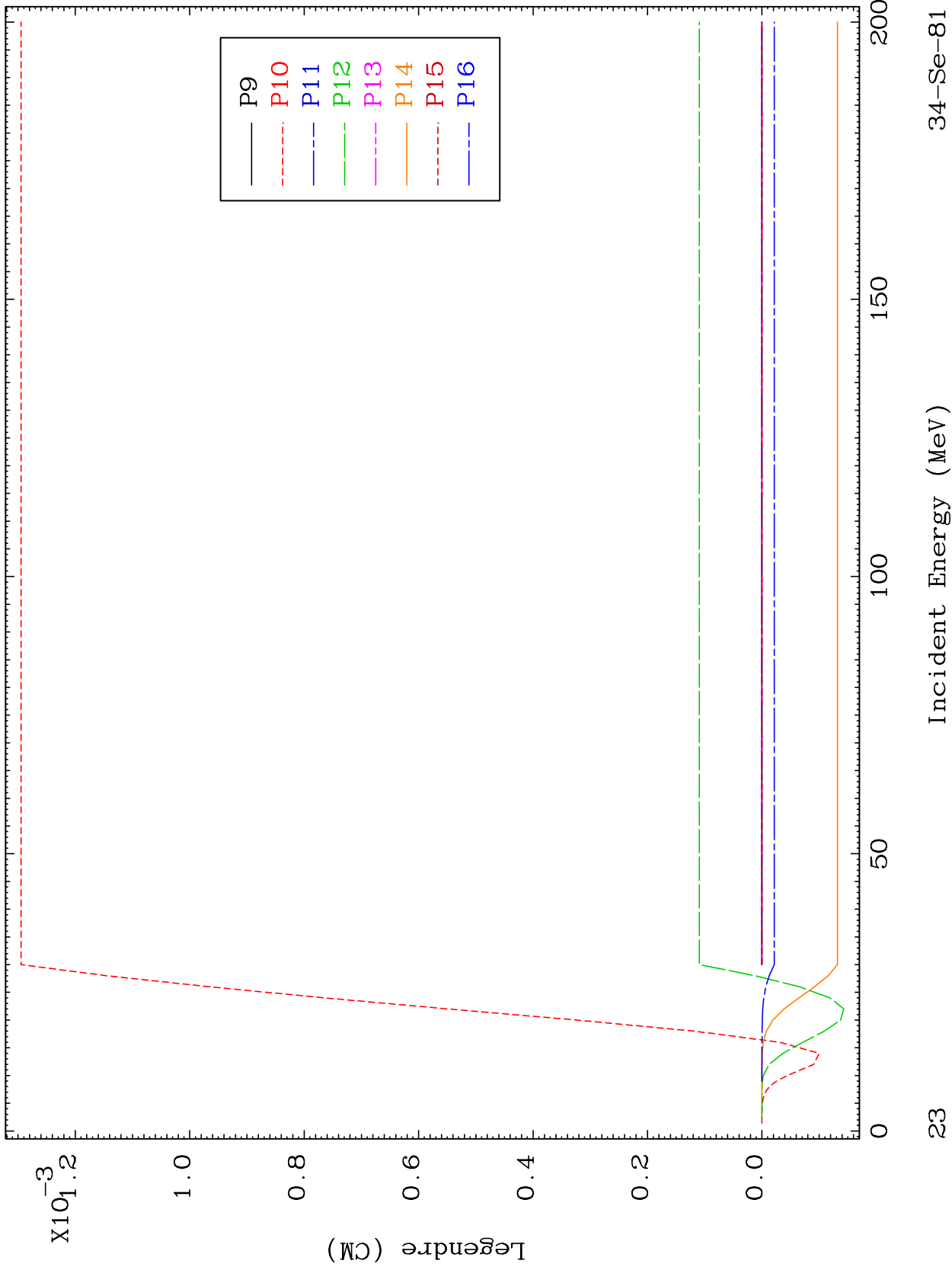
Incident Energy (MeV)

22

MAT 3446

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

34-Se-81

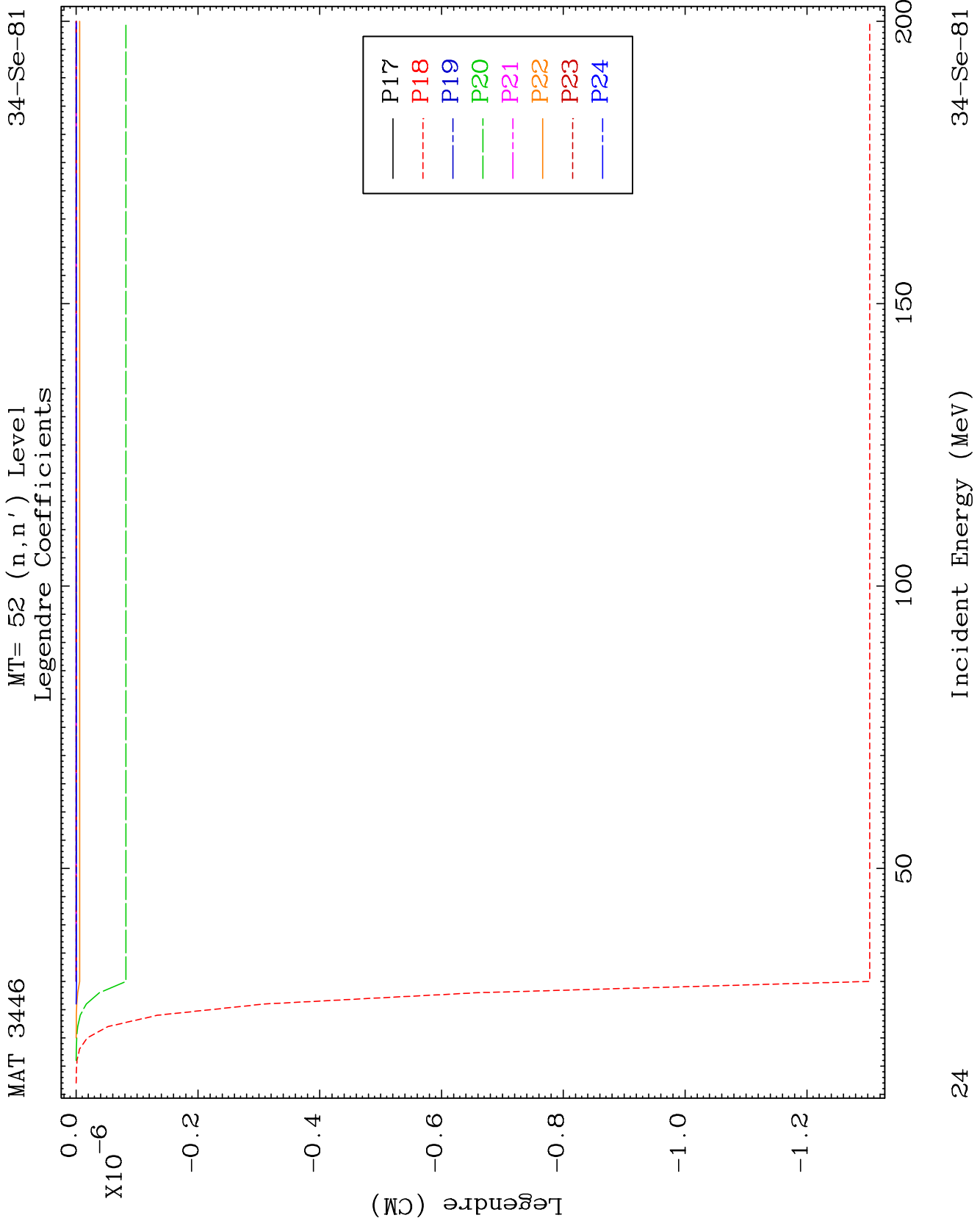


23

Incident Energy (MeV)

34-Se-81

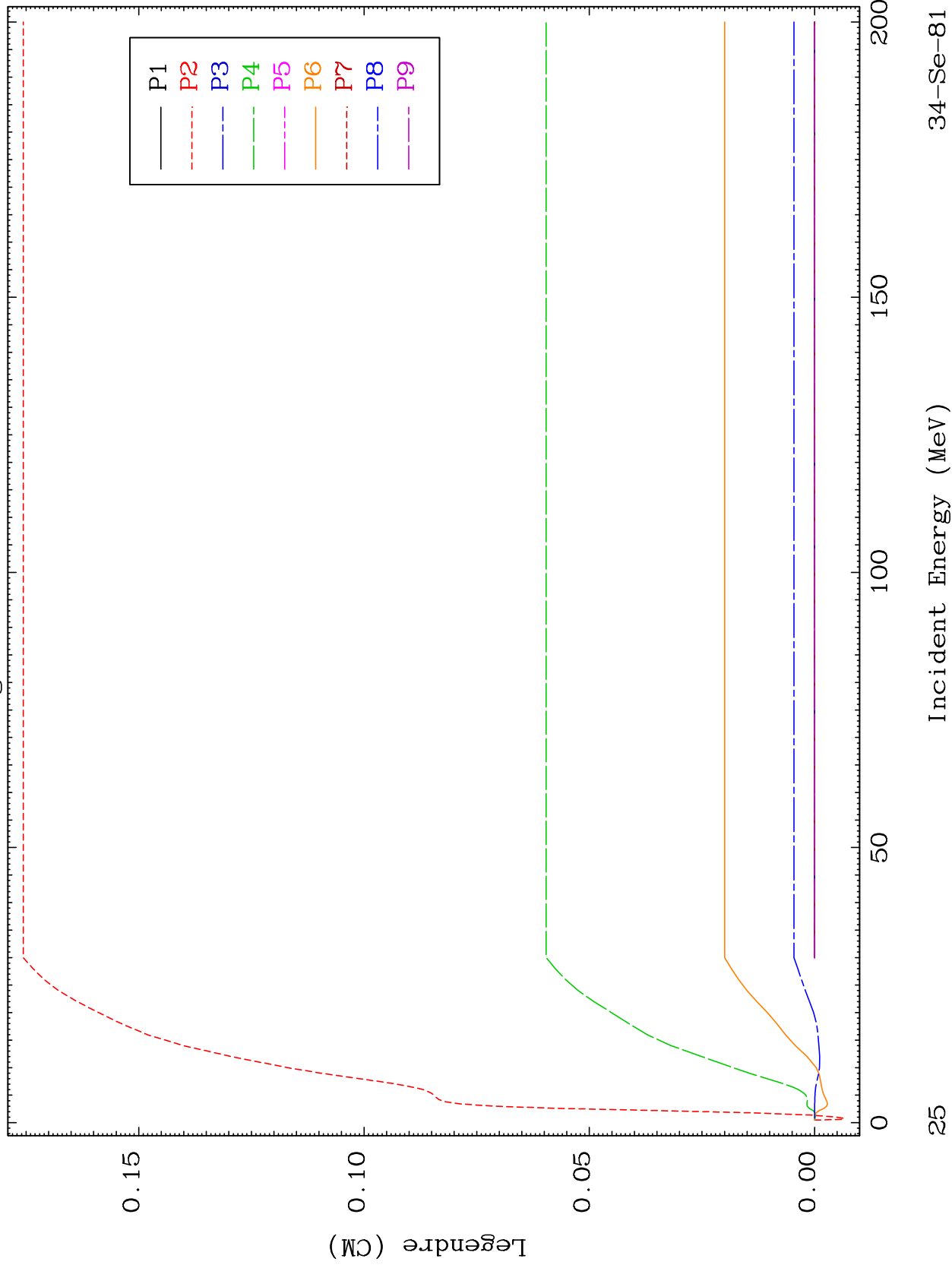




MAT 3446

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

34-Se-81



34-Se-81

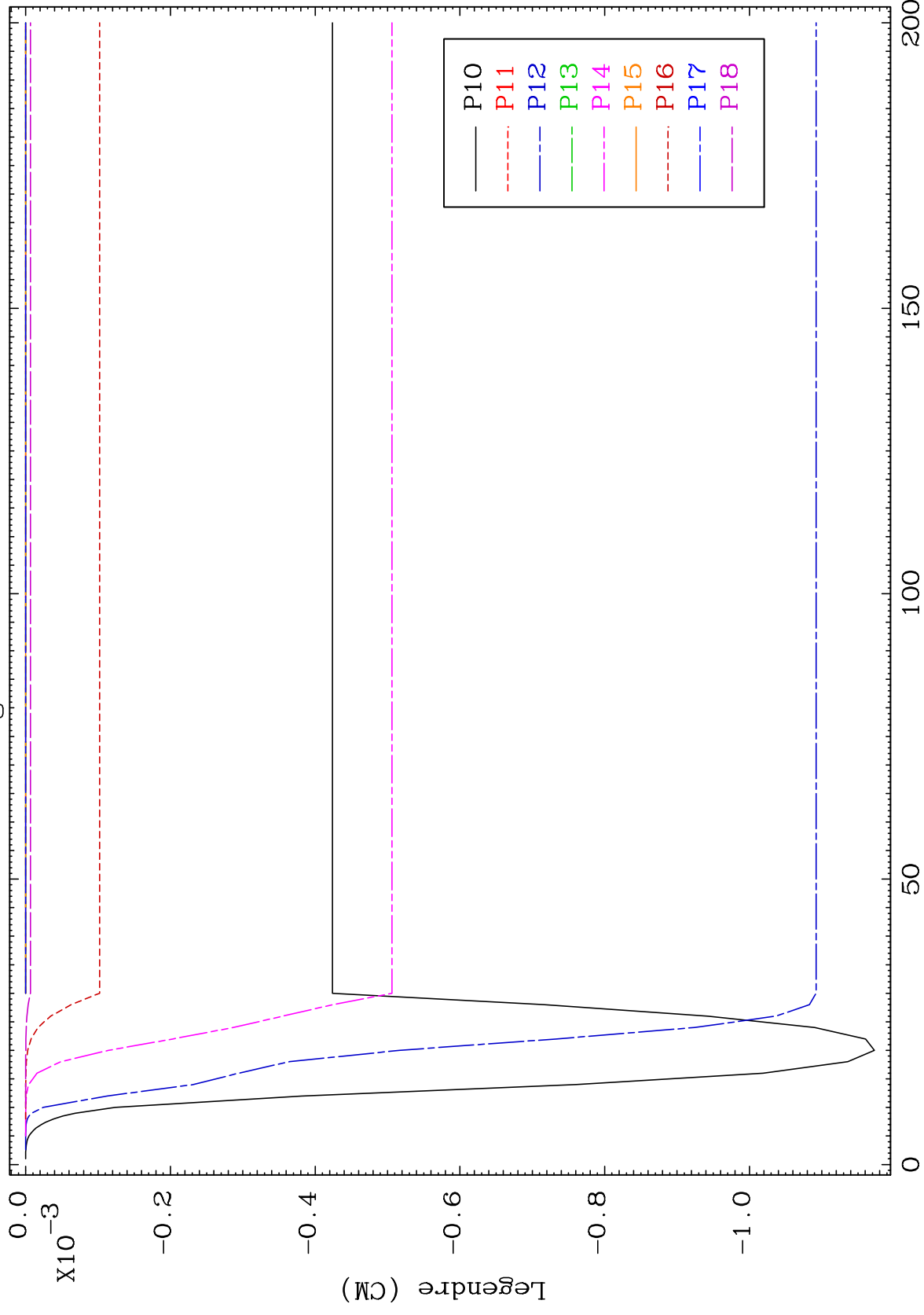
Incident Energy (MeV)

25

MAT 3446

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

34-Se-81



26

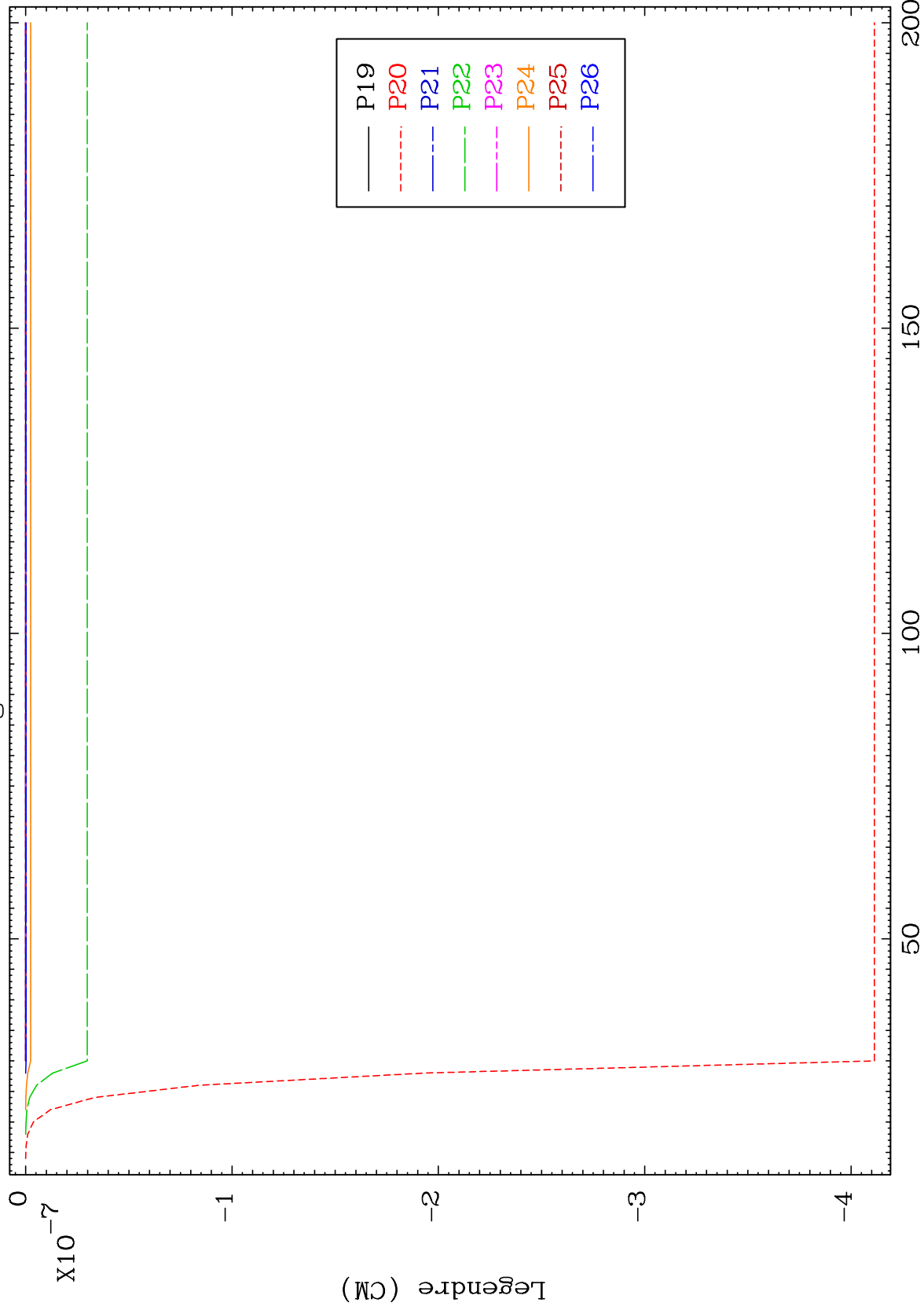
Incident Energy (MeV)

34-Se-81

MAT 3446

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

34-Se-81



27

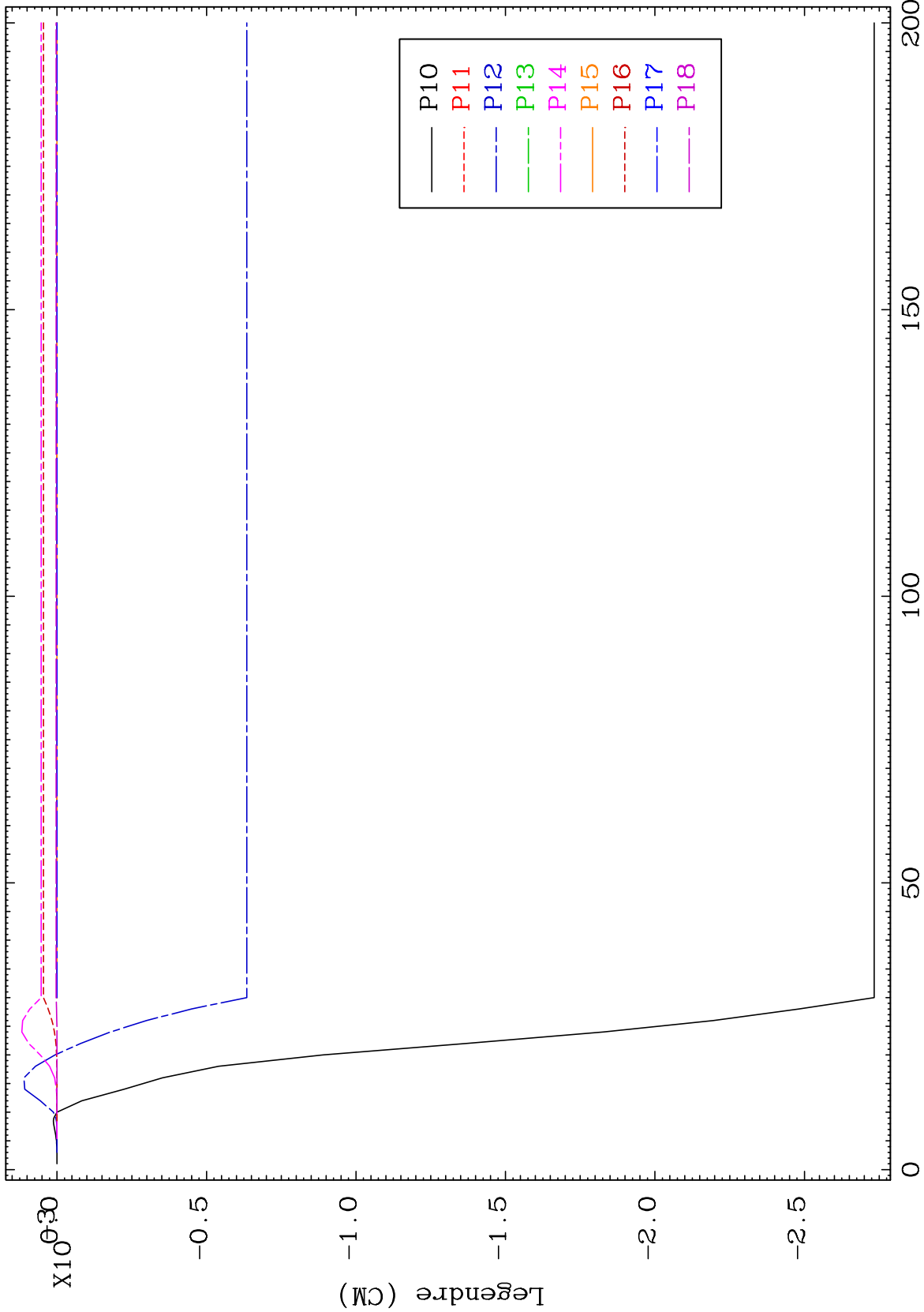
34-Se-81



MAT 3446

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

34-Se-81

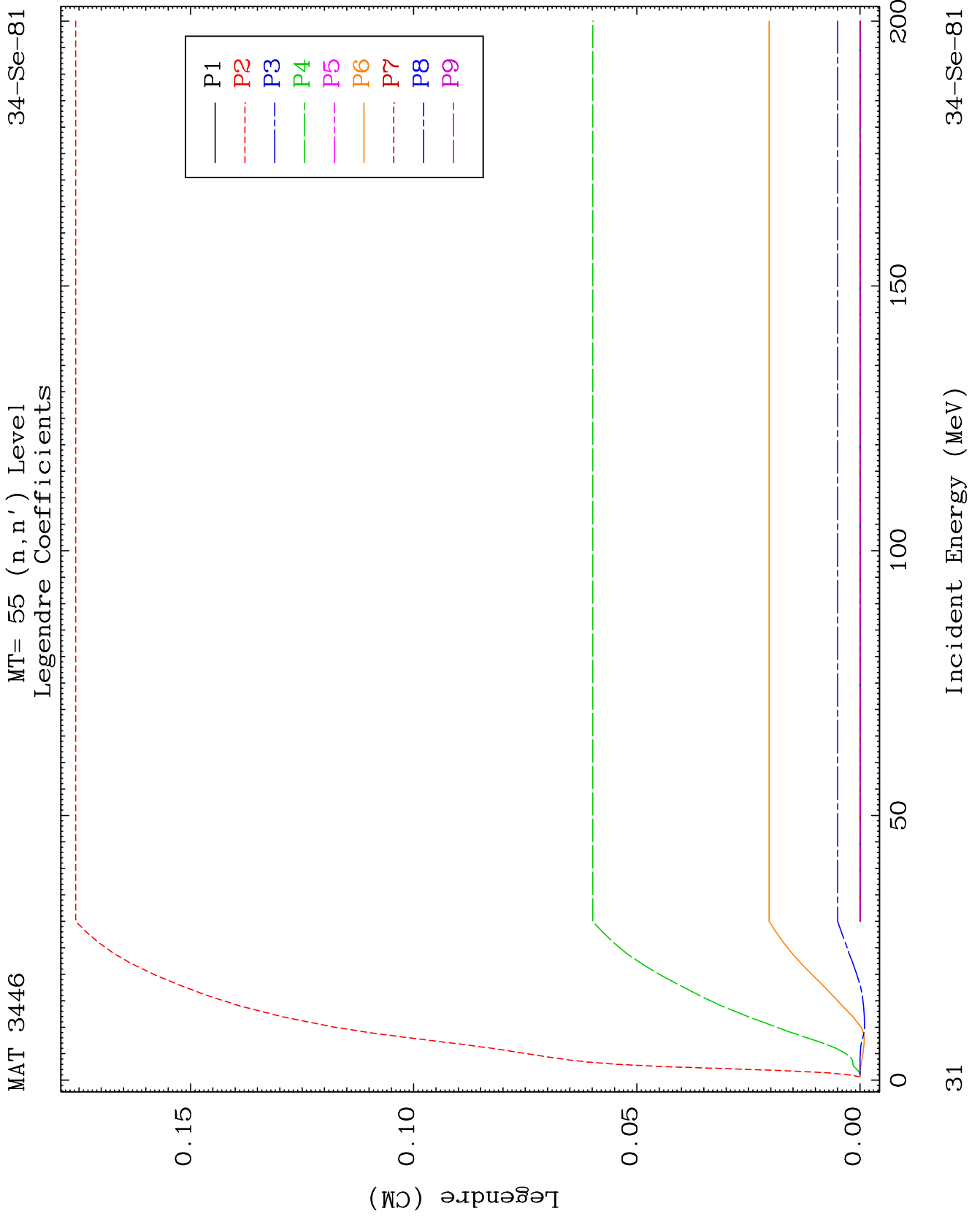


29

Incident Energy (MeV)

34-Se-81



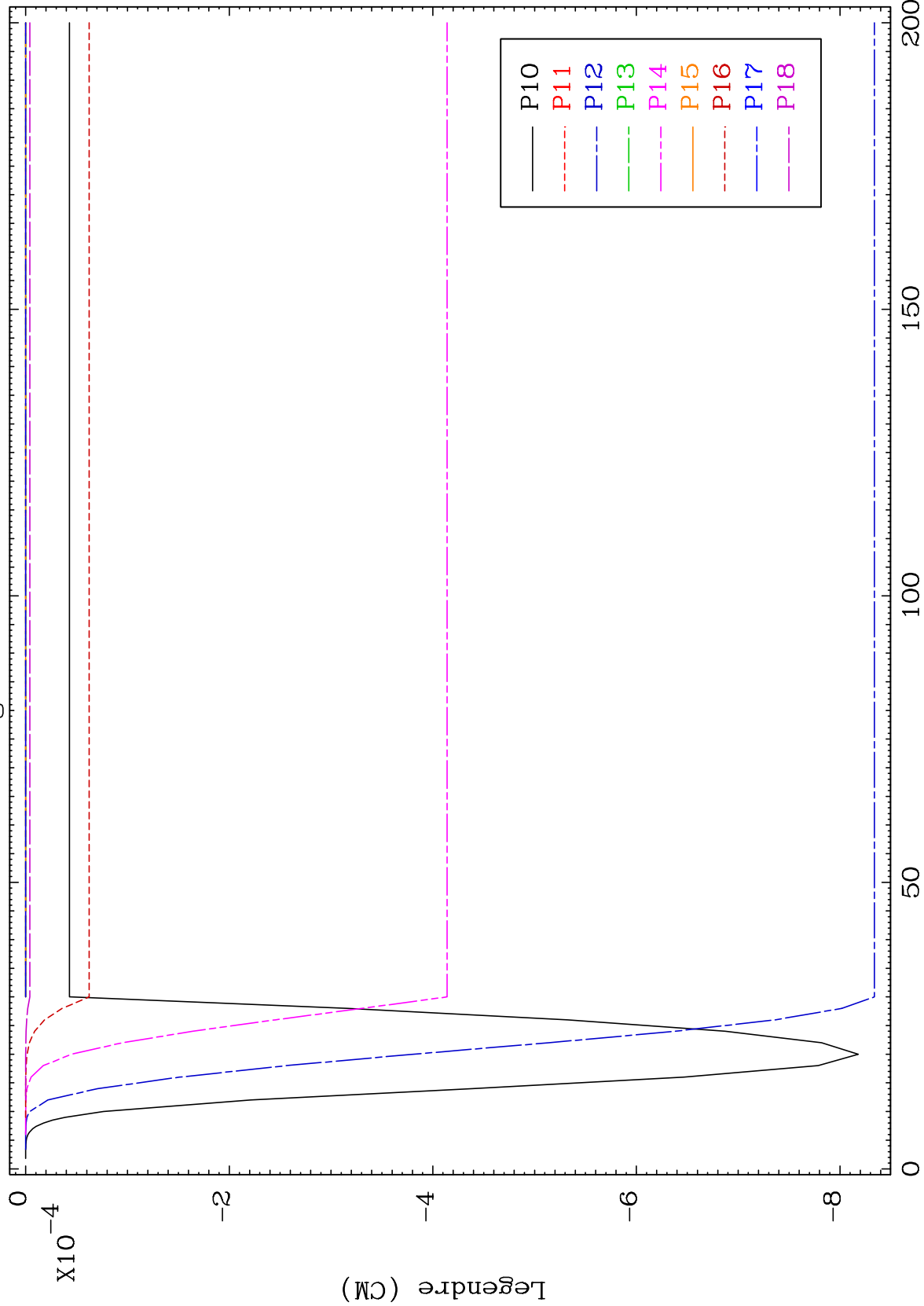




MAT 3446

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

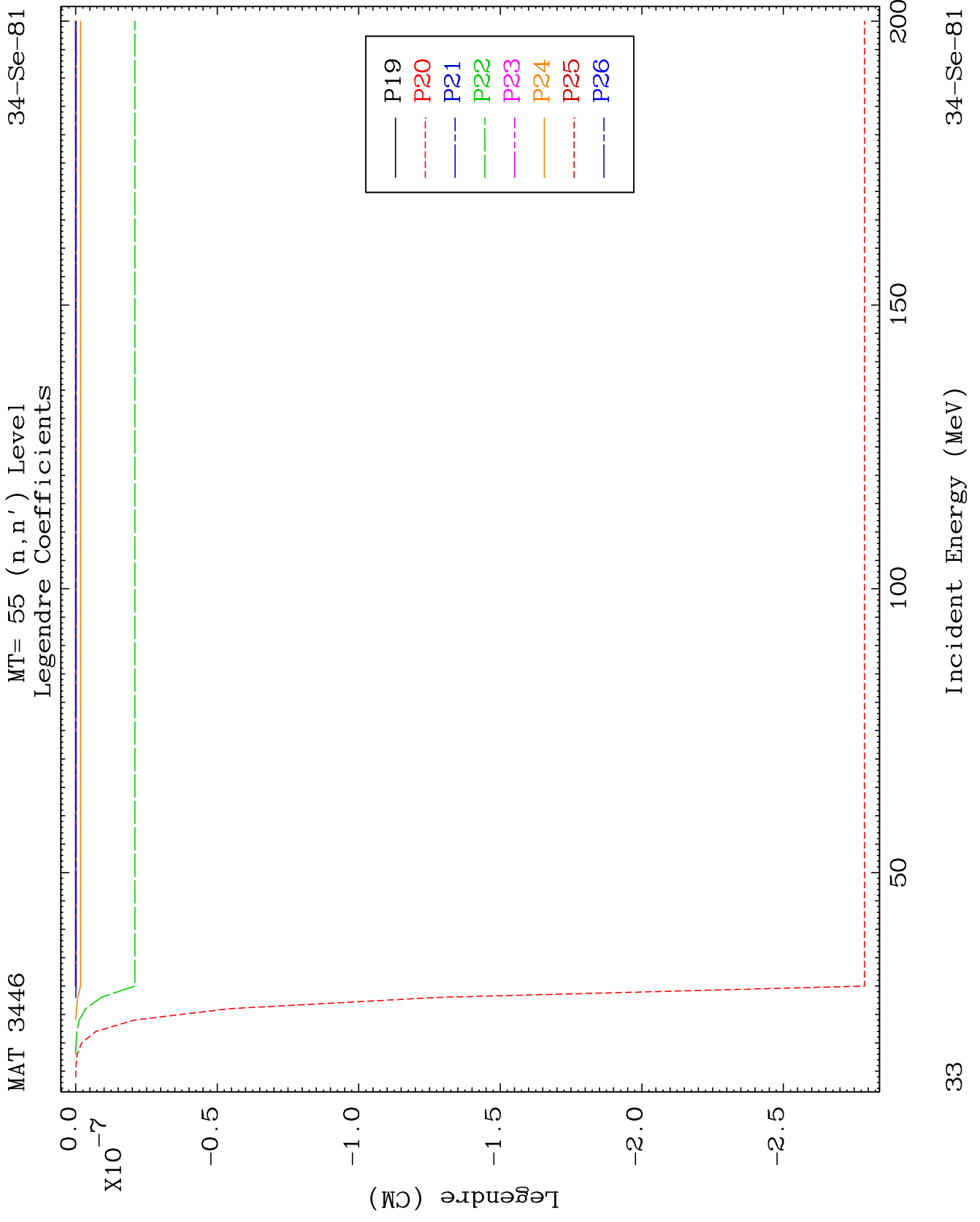
34-Se-81



32

Incident Energy (MeV)

34-Se-81

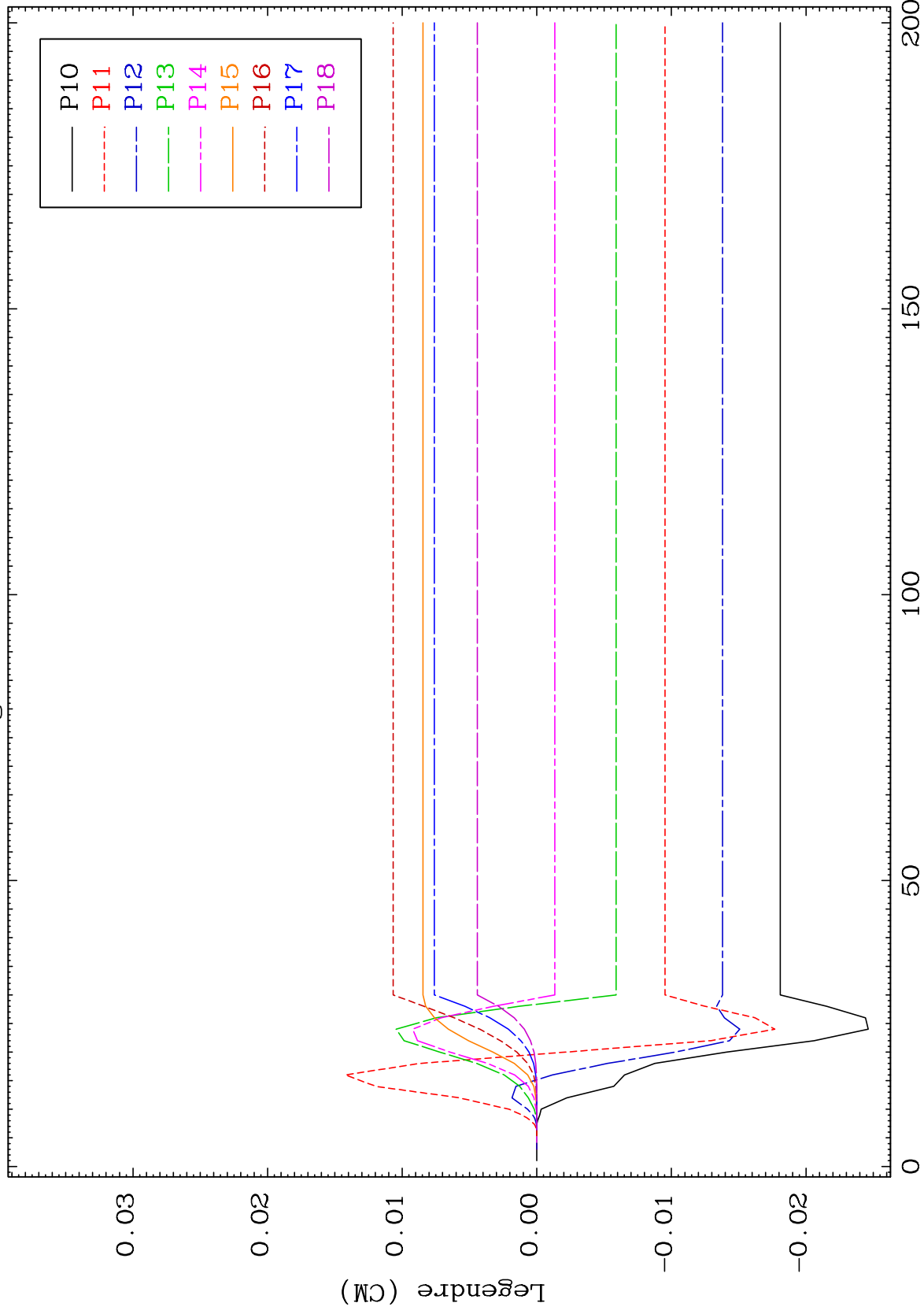




MAT 3446

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

34-Se-81



35

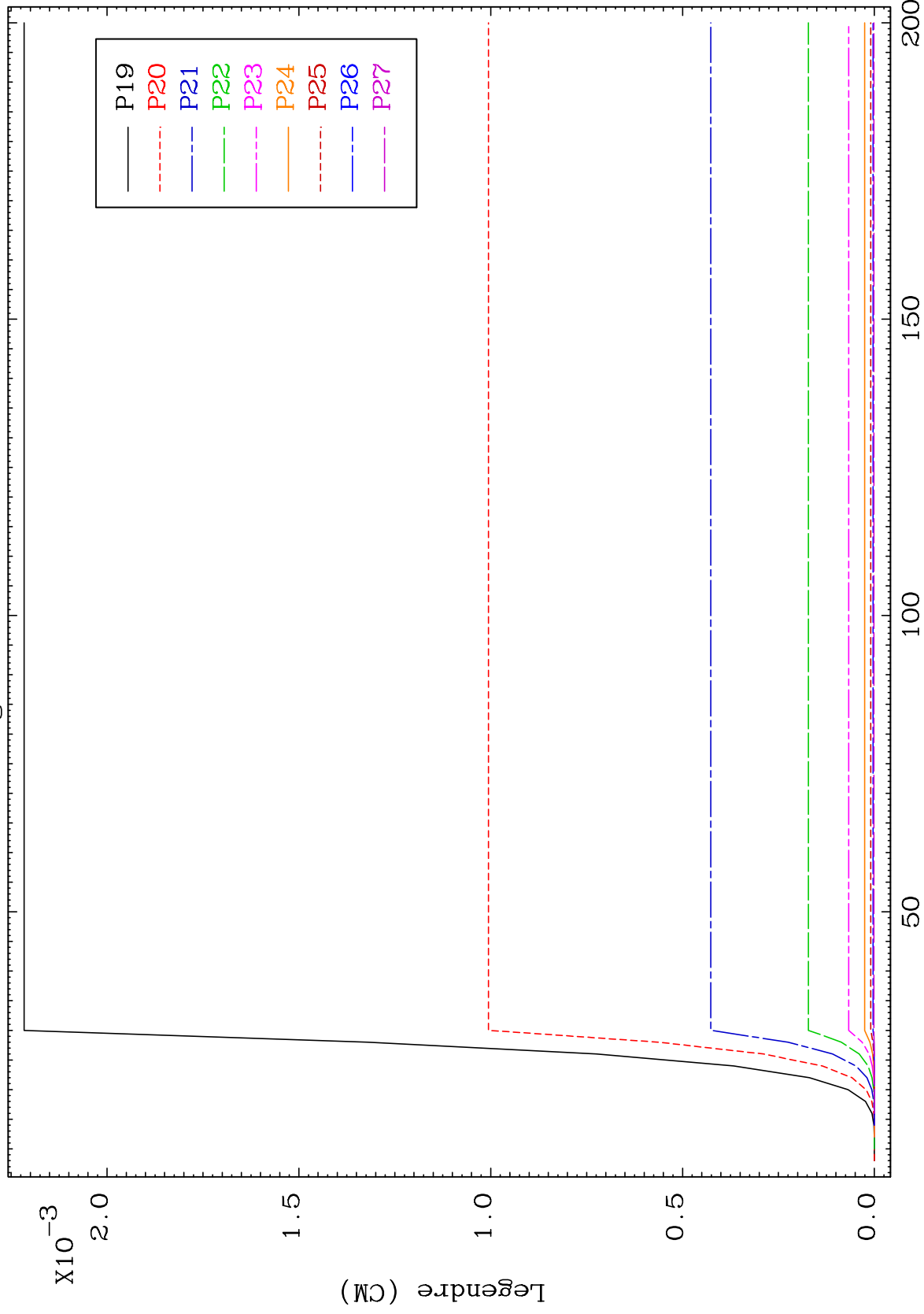
Incident Energy (MeV)

34-Se-81

MAT 3446

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

<sup>34</sup>Se-81



36

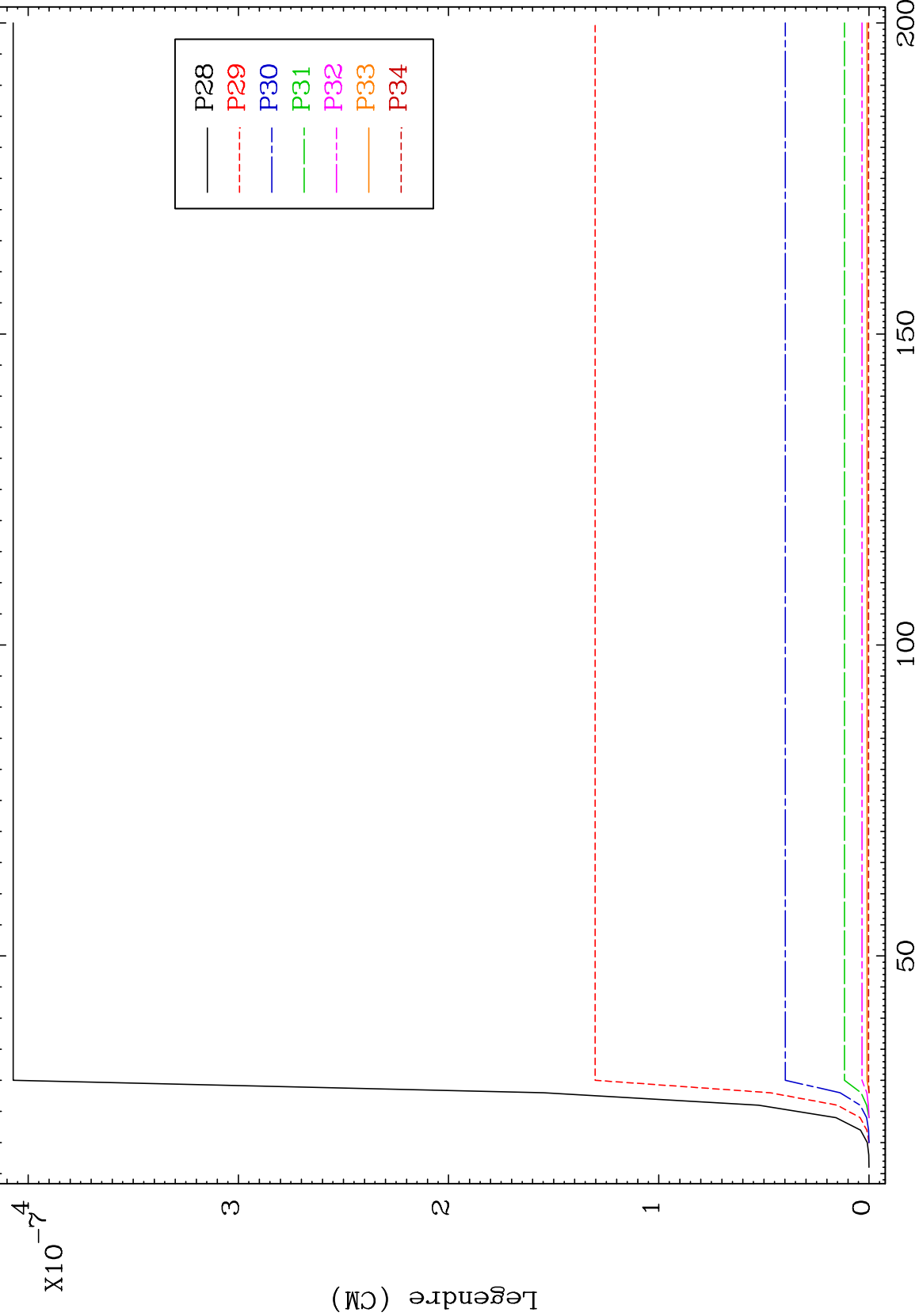
Incident Energy (MeV)

<sup>34</sup>Se-81

MAT 3446

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

34-Se-81



37

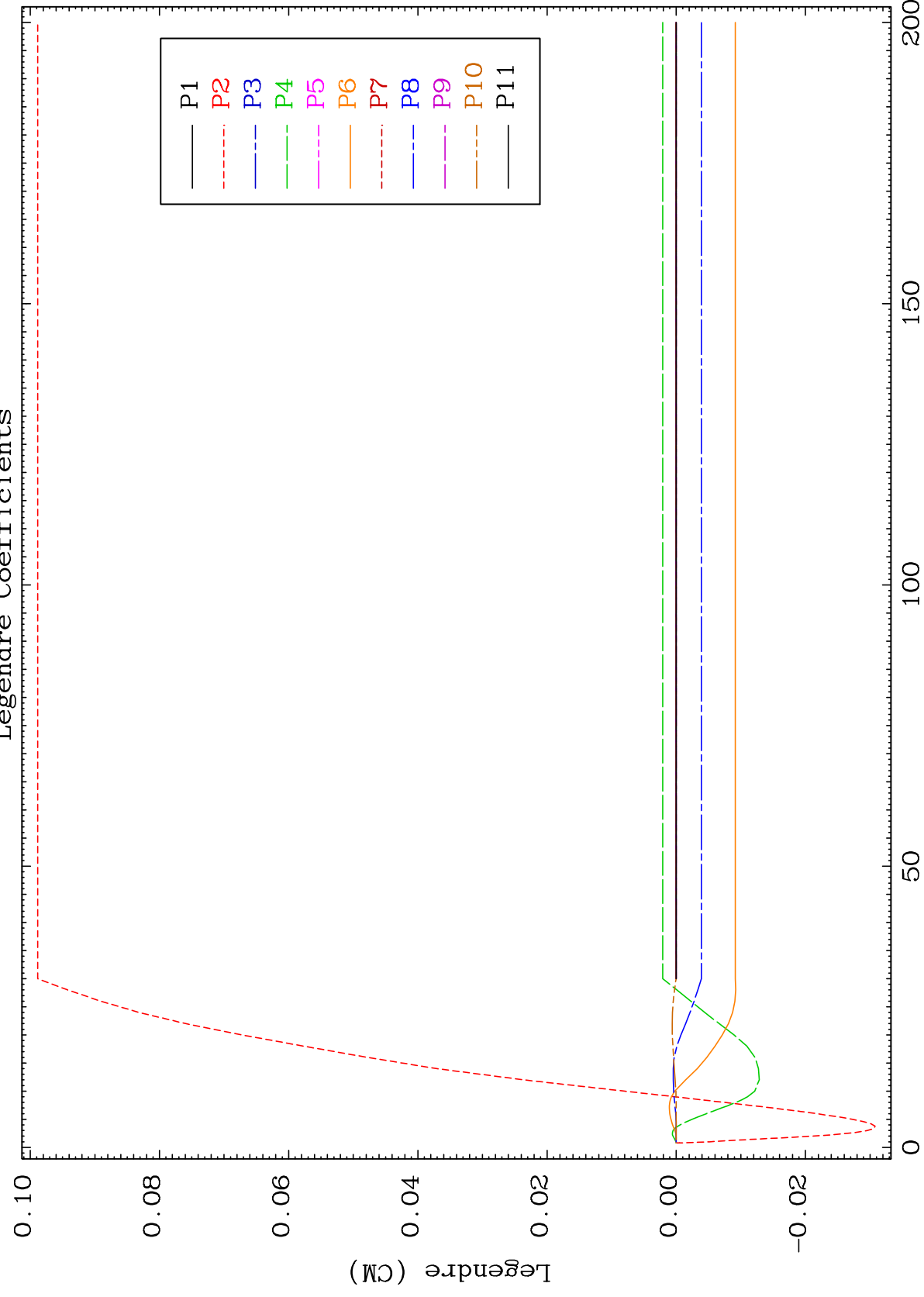
Incident Energy (MeV)

34-Se-81

MAT 3446

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

34-Se-81



38

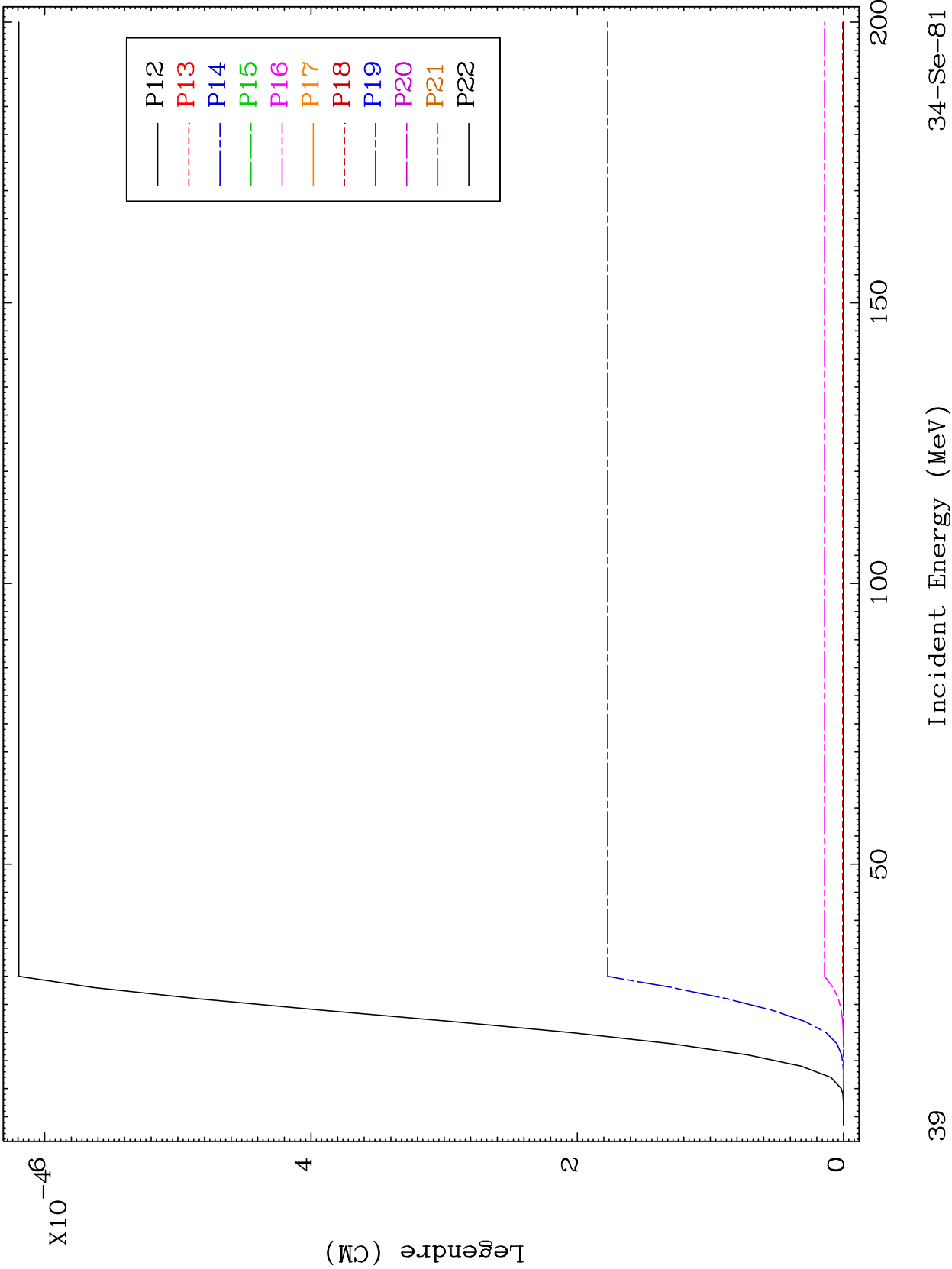
Incident Energy (MeV)

34-Se-81

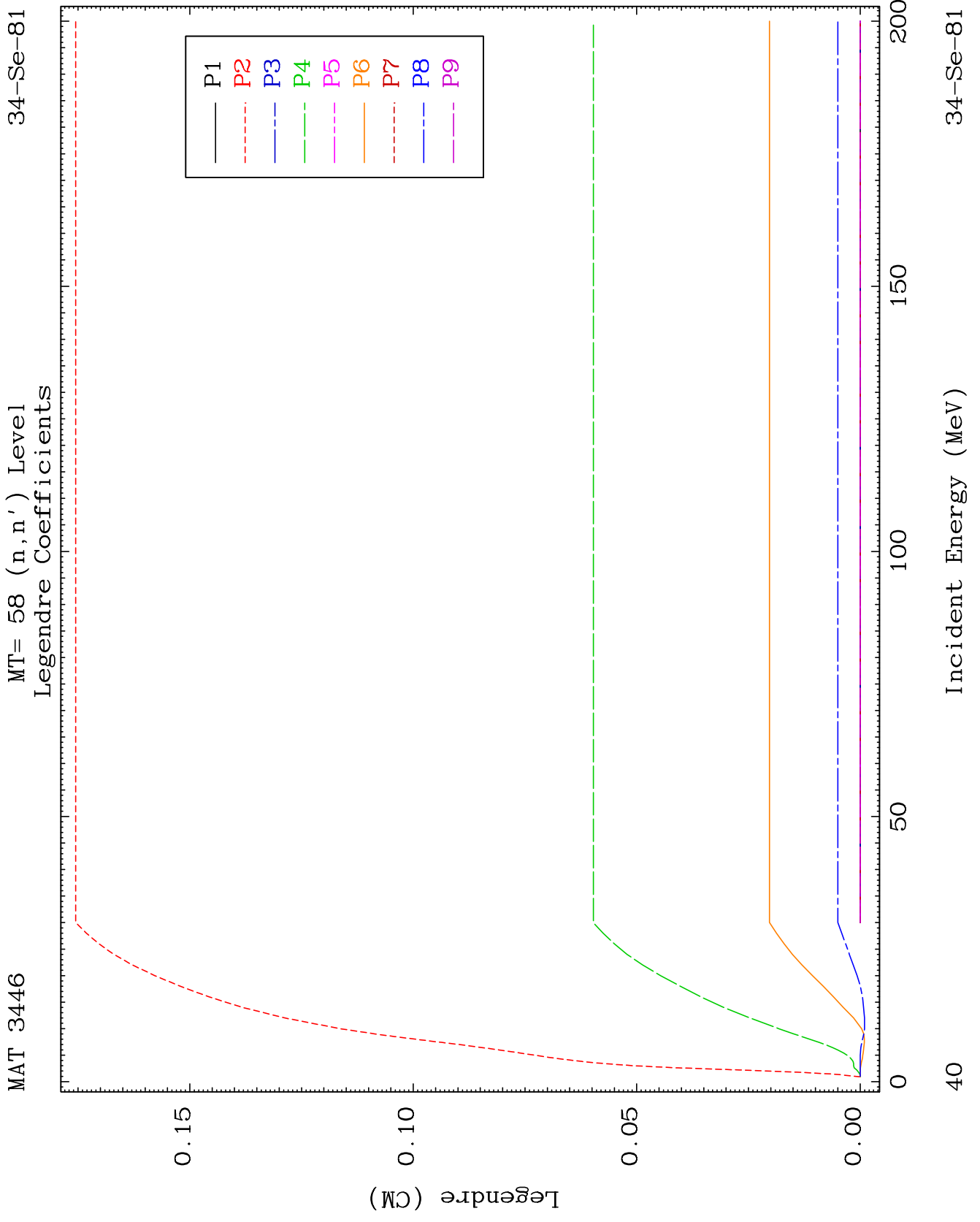
MAT 3446

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

34-Se-81



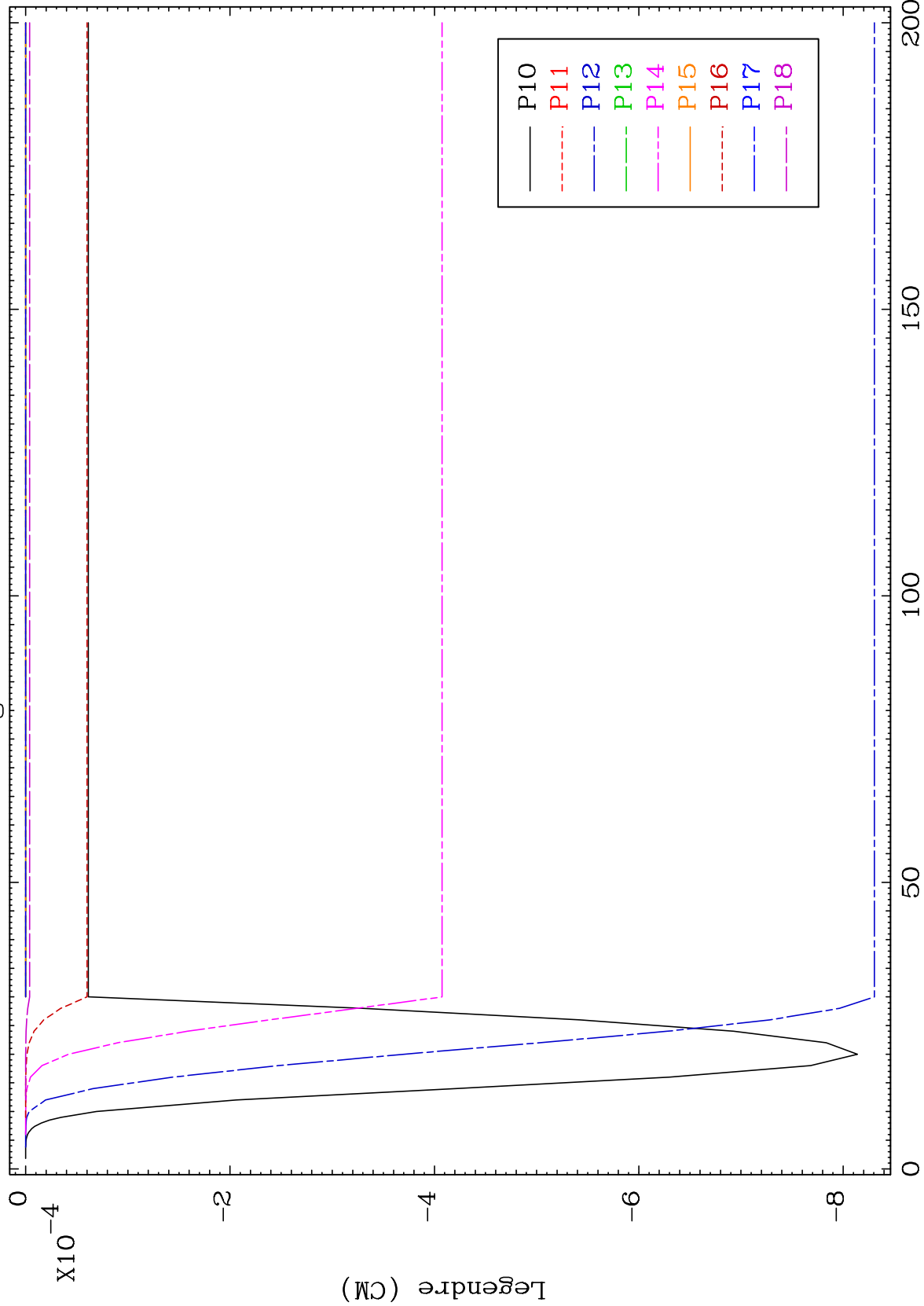




MAT 3446

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

34-Se-81



41

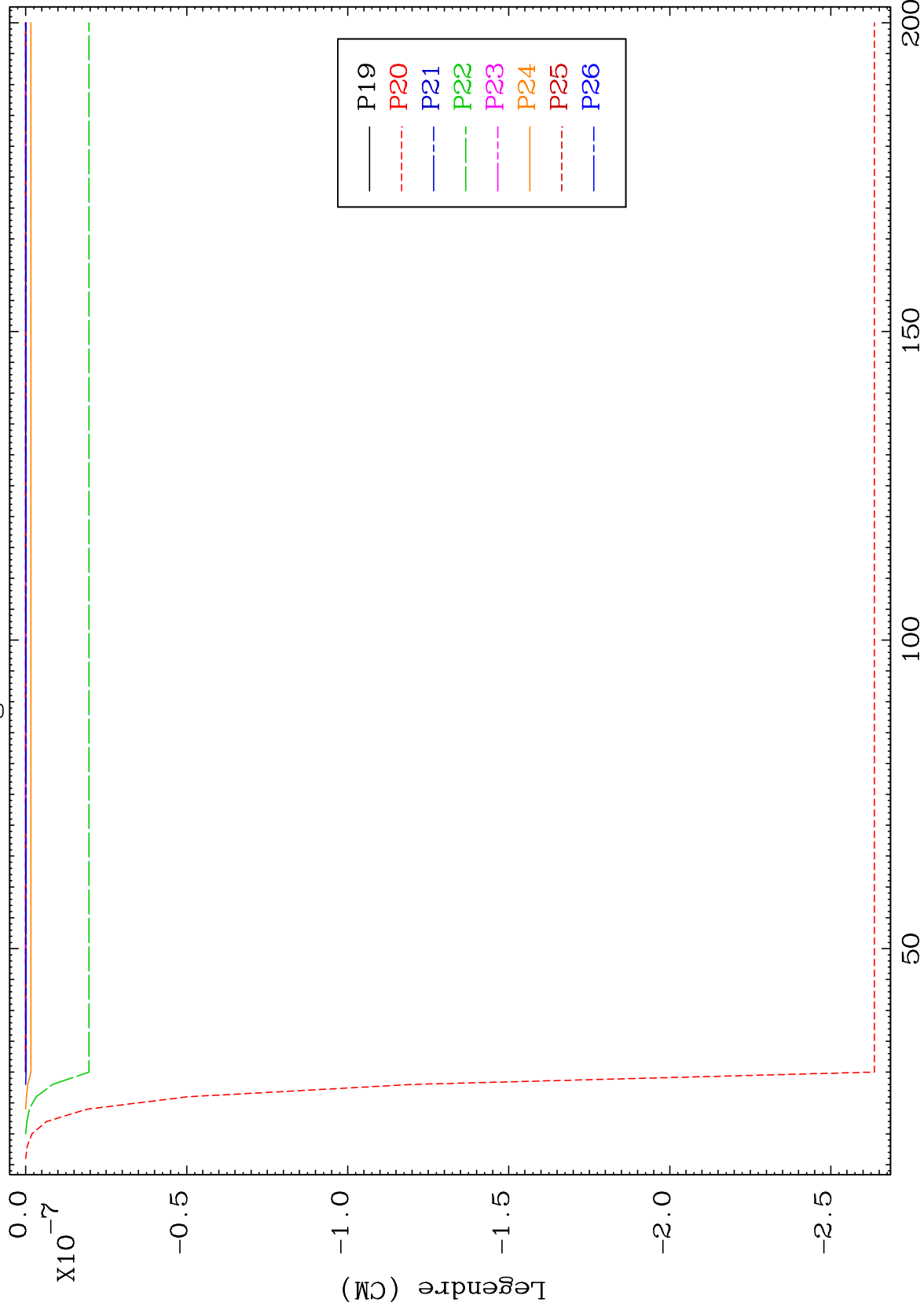
Incident Energy (MeV)

34-Se-81

MAT 3446

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

<sup>34</sup>Se-81



42

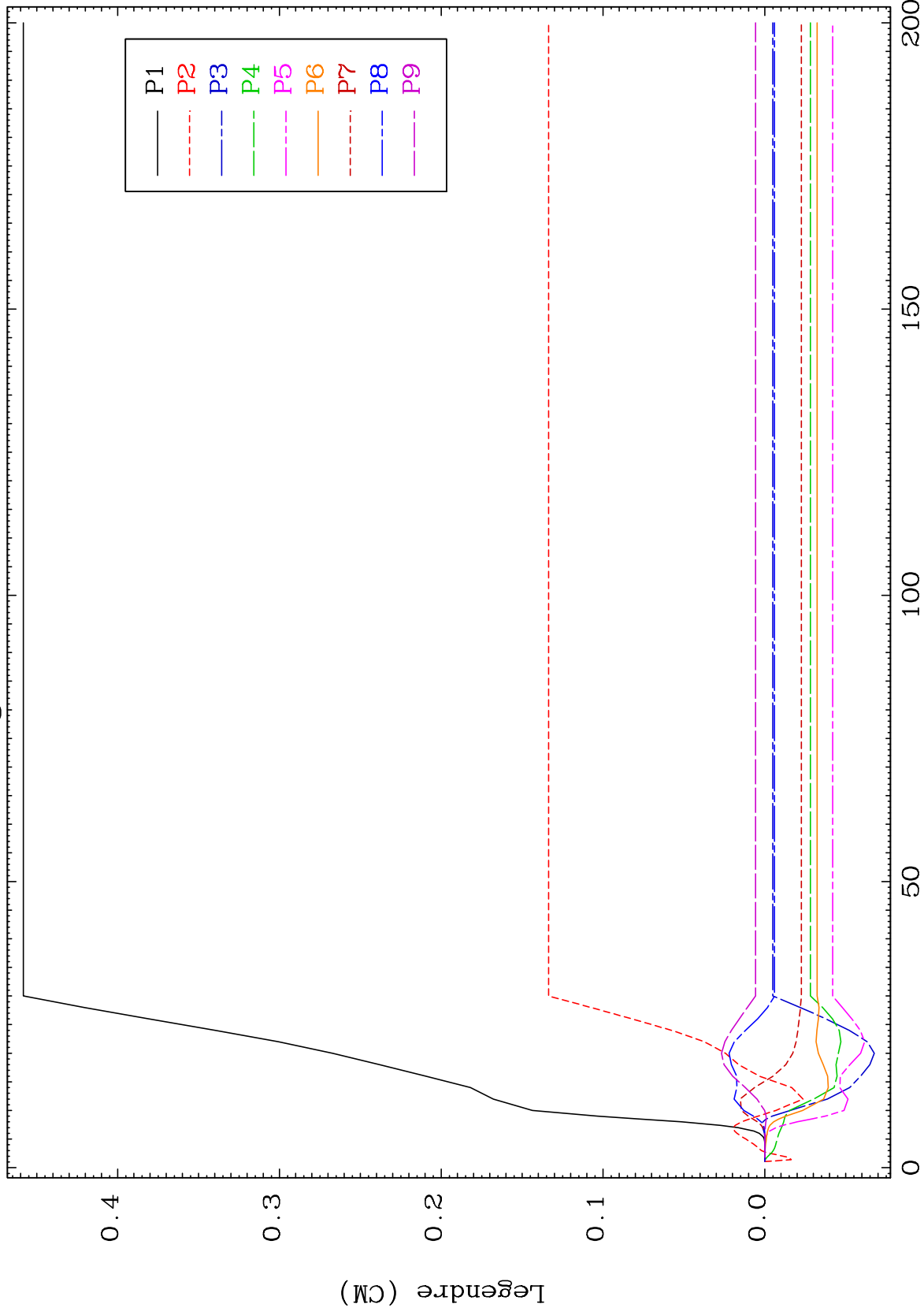
Incident Energy (MeV)

<sup>34</sup>Se-81

MAT 3446

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

34-Se-81



43

Incident Energy (MeV)

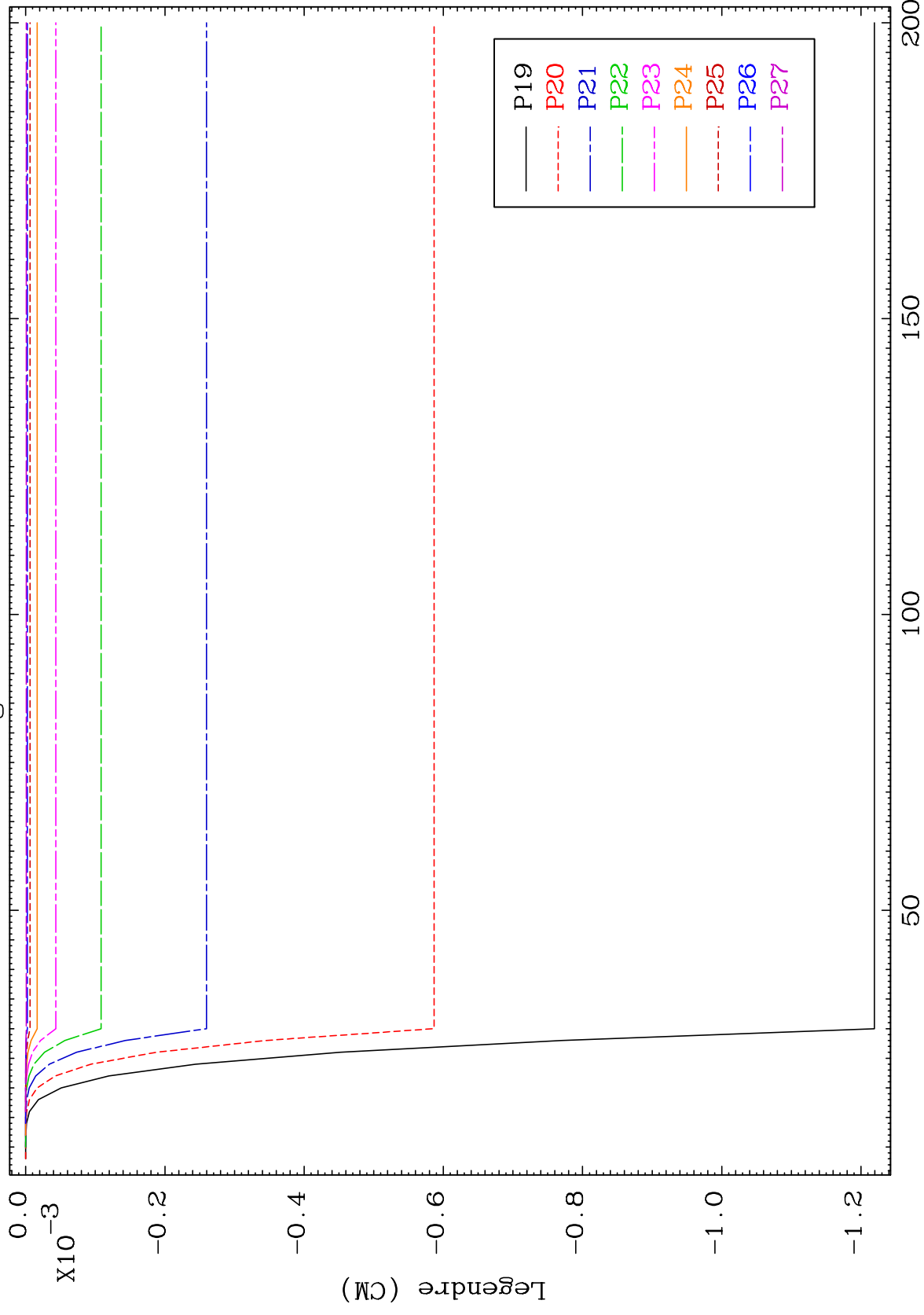
34-Se-81



MAT 3446

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

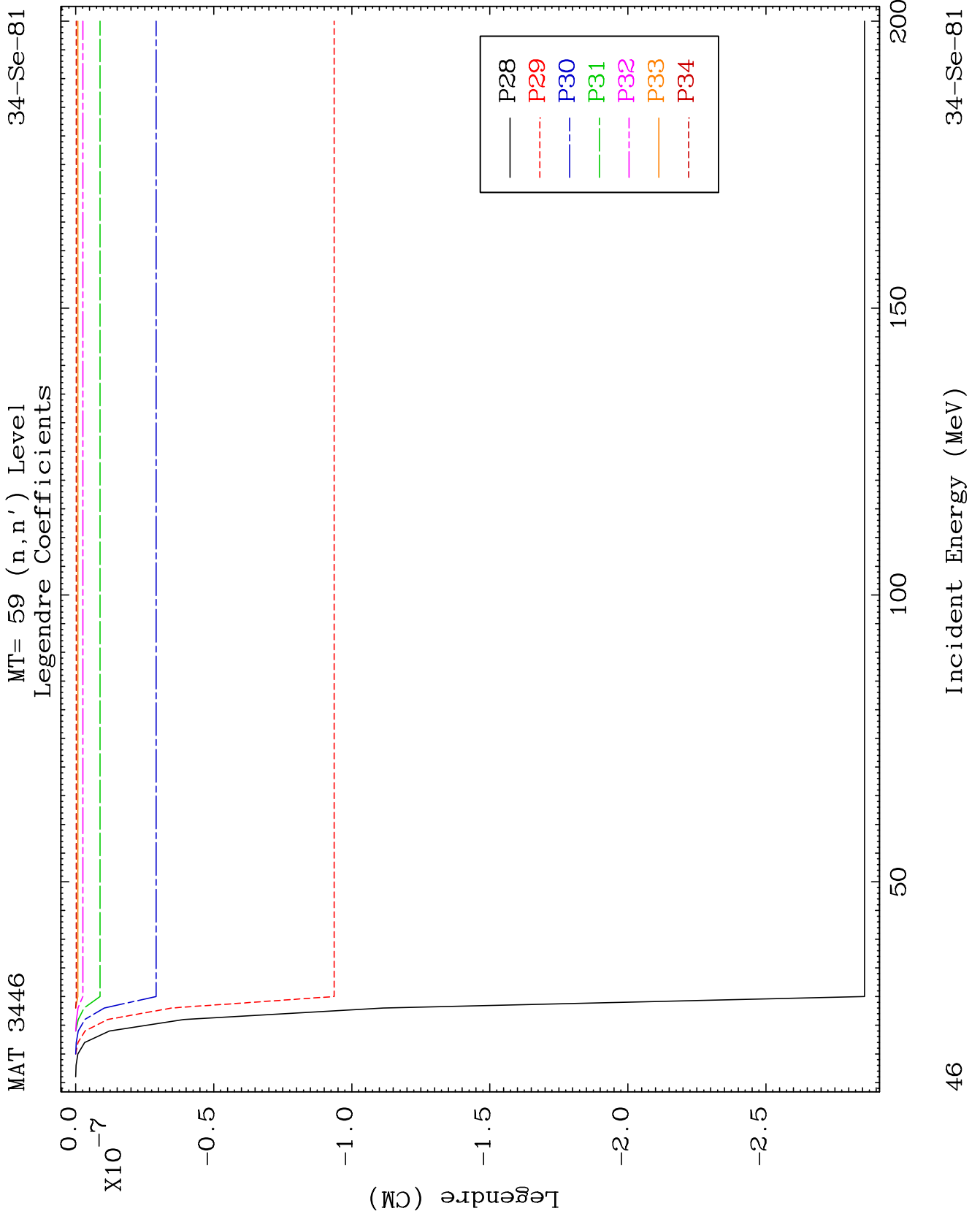
34-Se-81



45

Incident Energy (MeV)

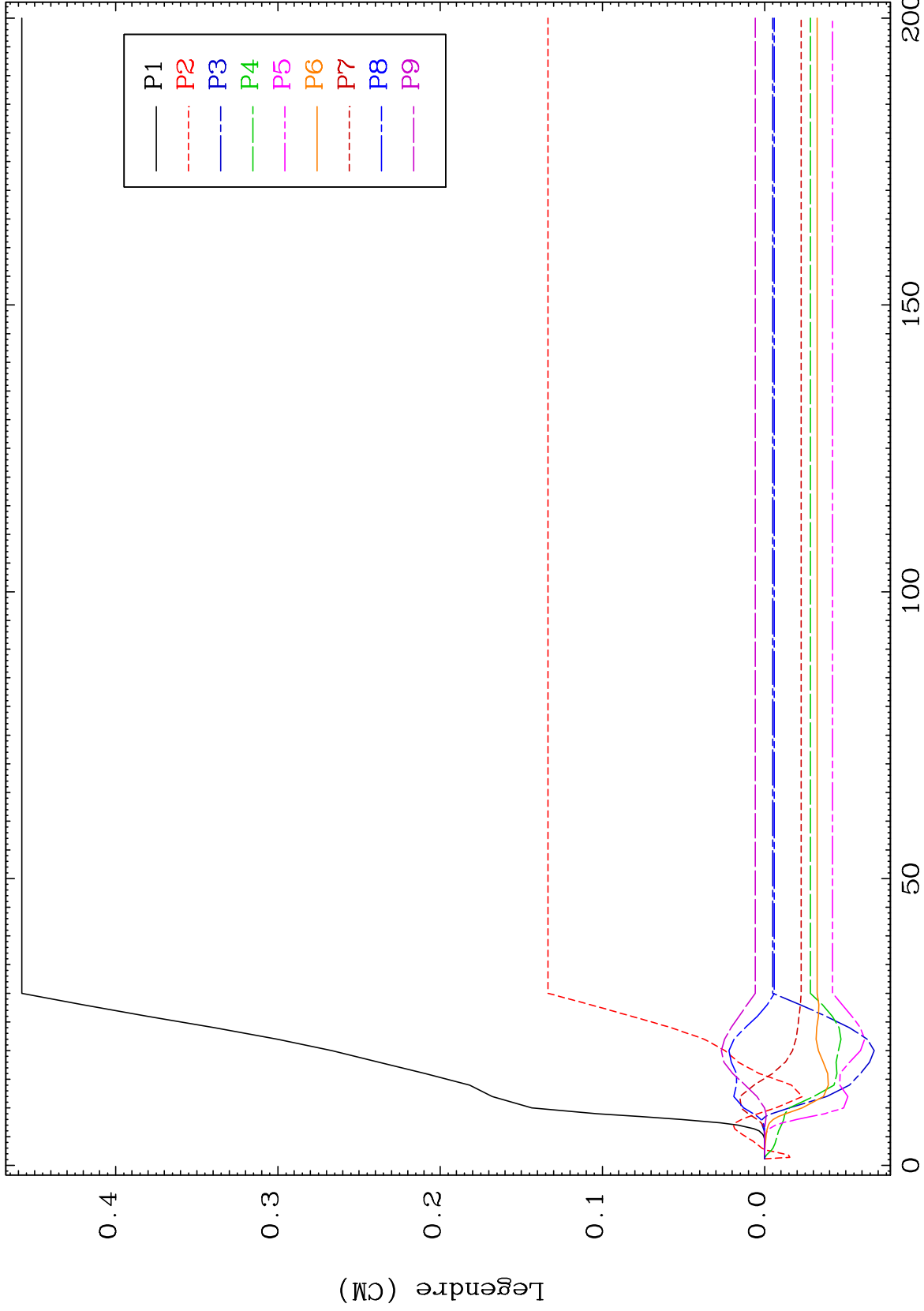
34-Se-81



MAT 3446

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

34-Se-81

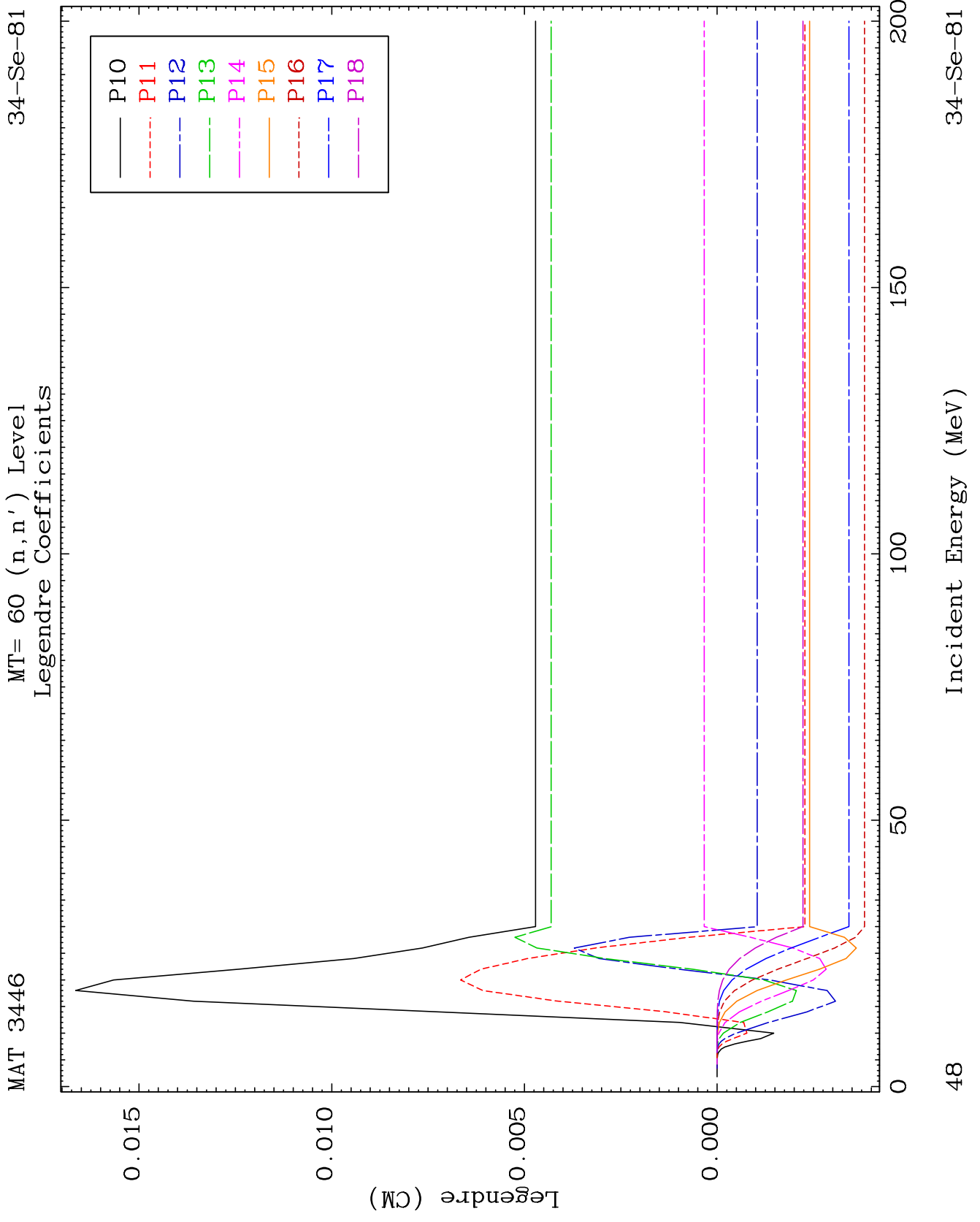


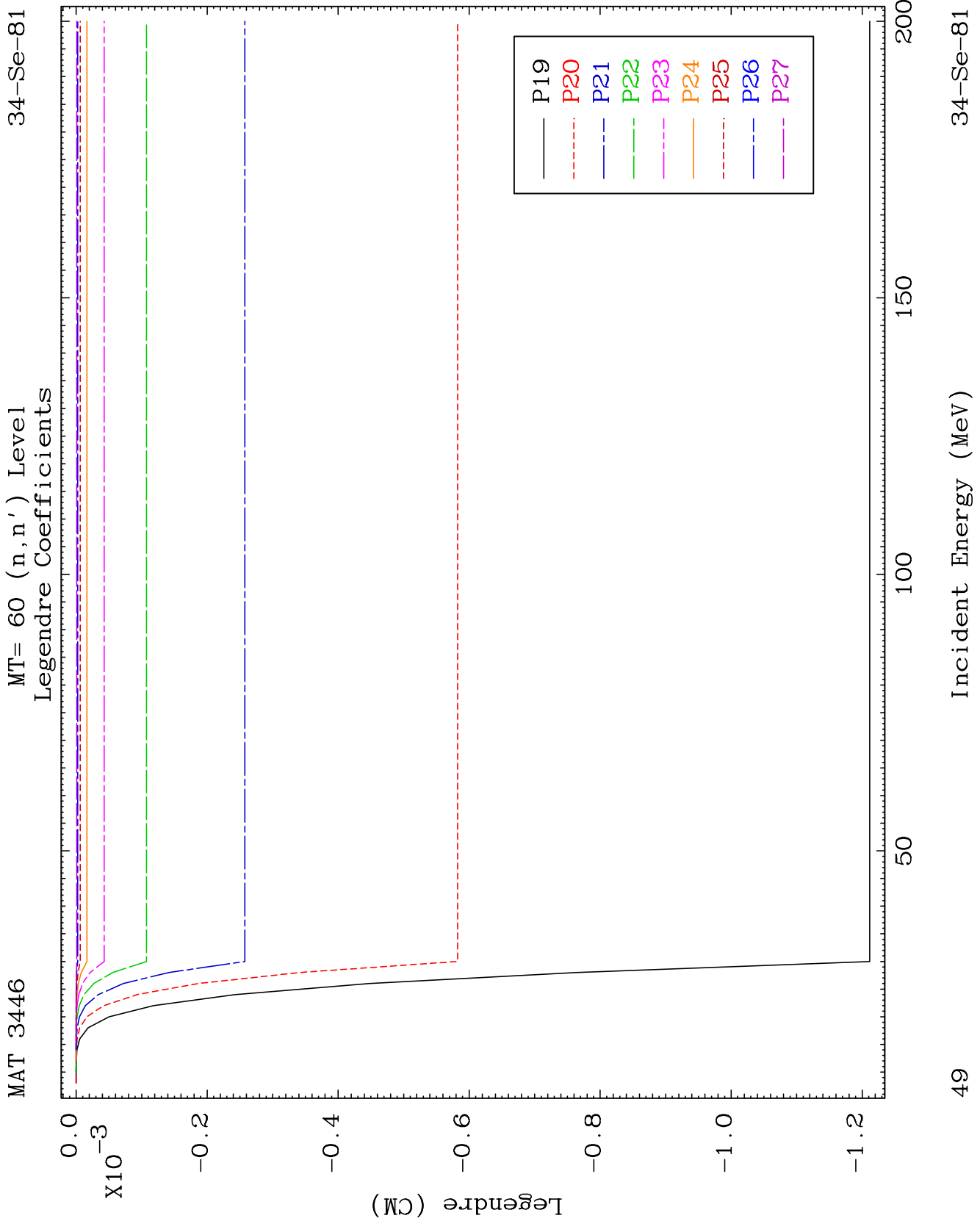
47

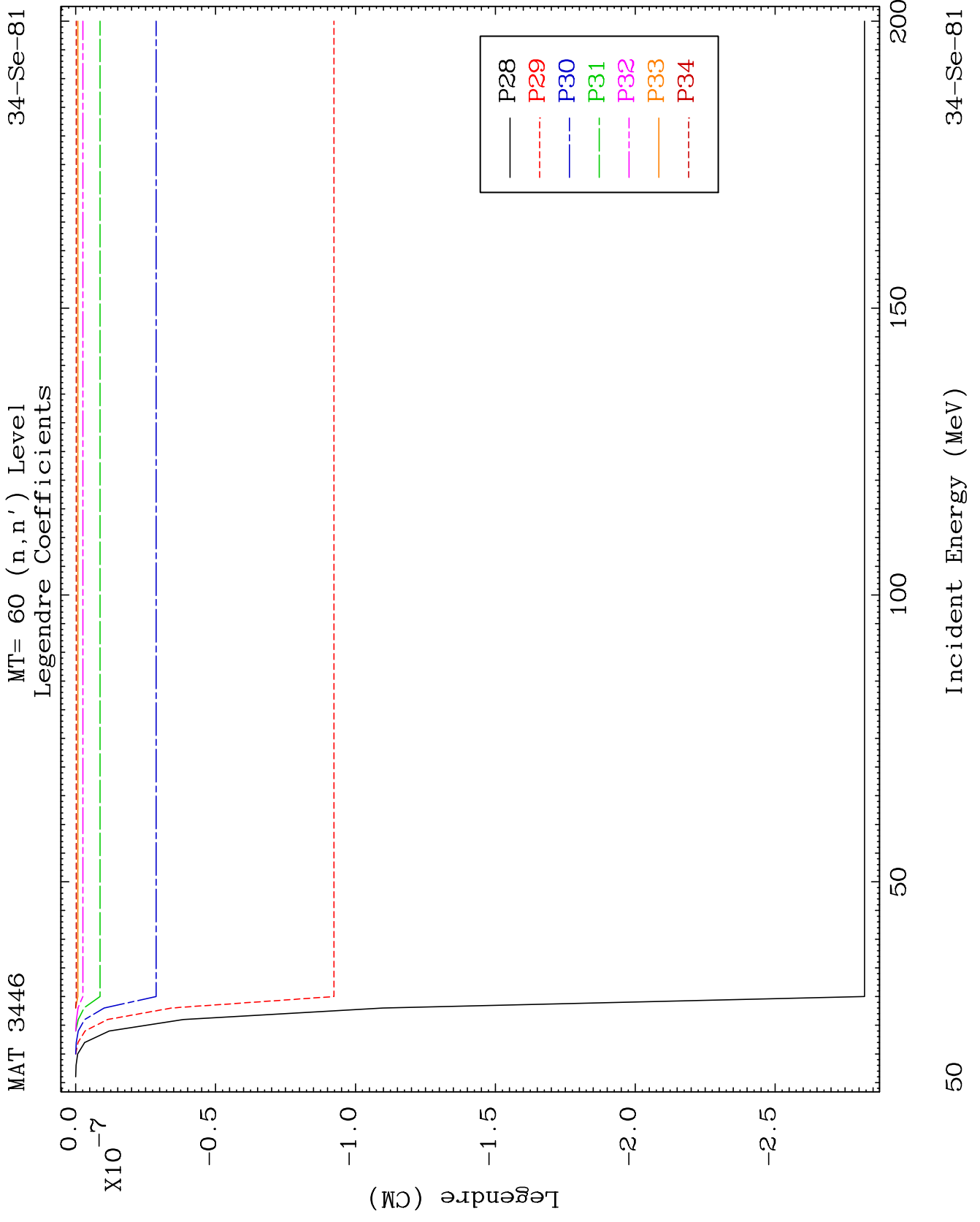
Incident Energy (MeV)

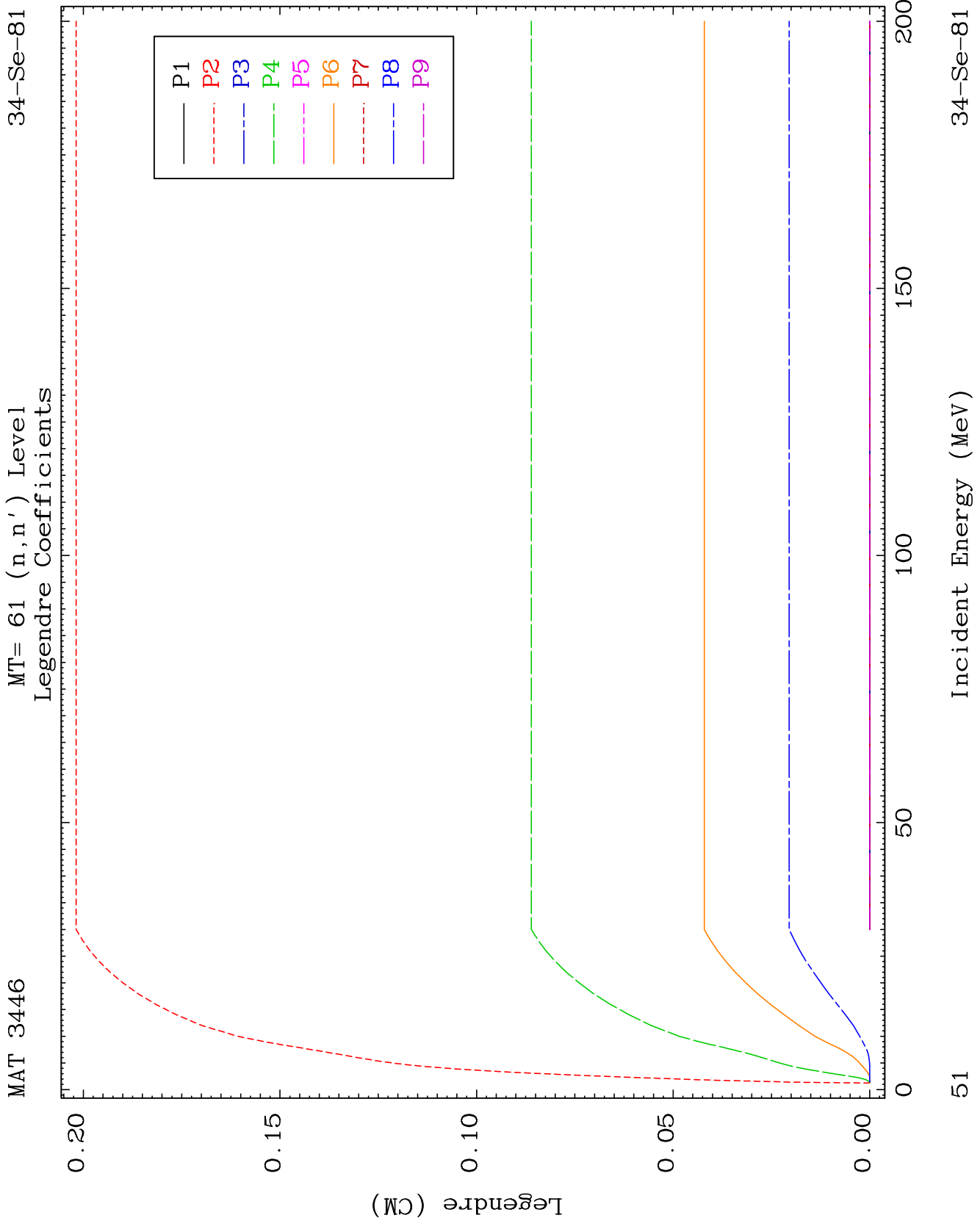
34-Se-81







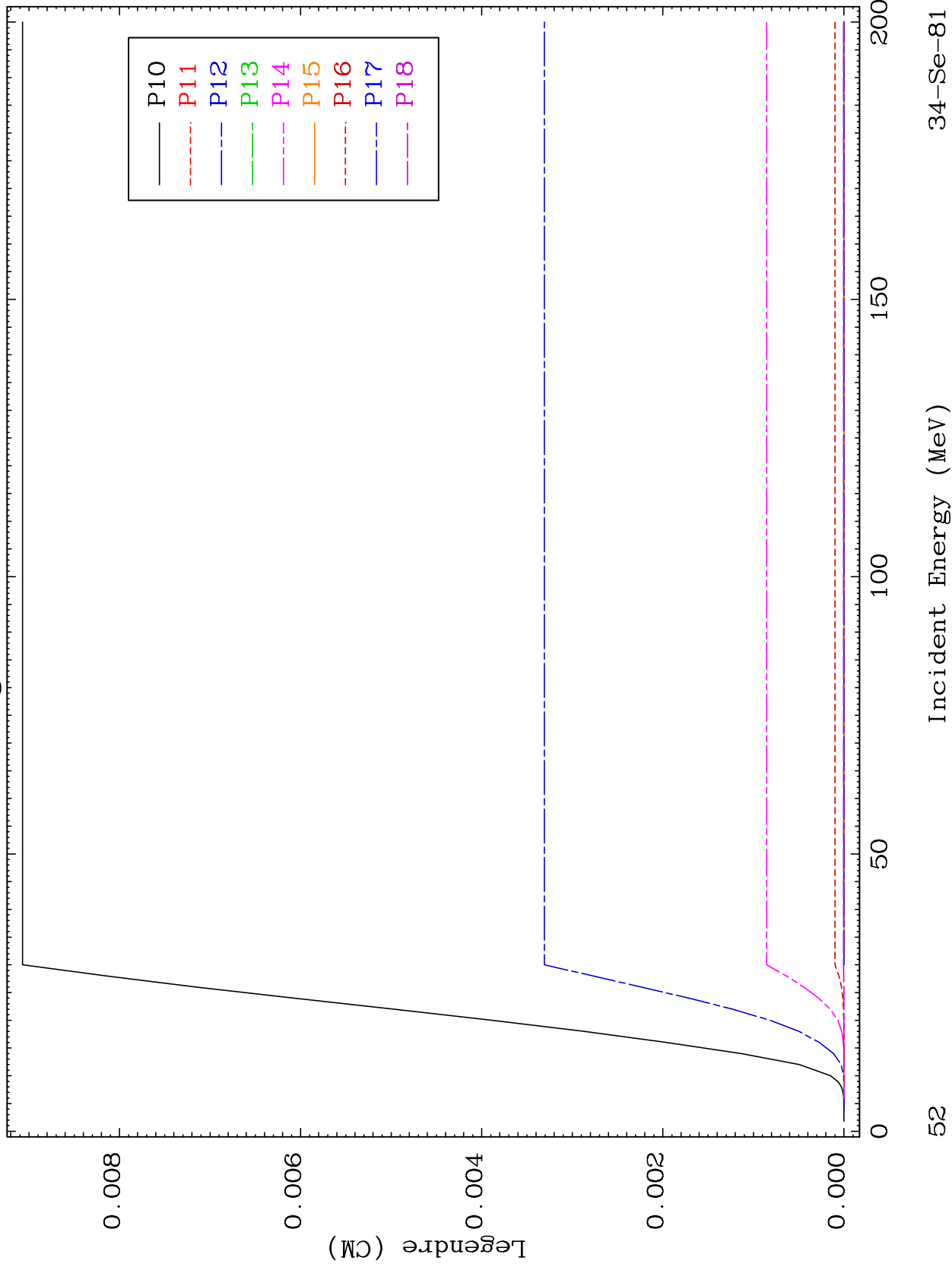




MAT 3446

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

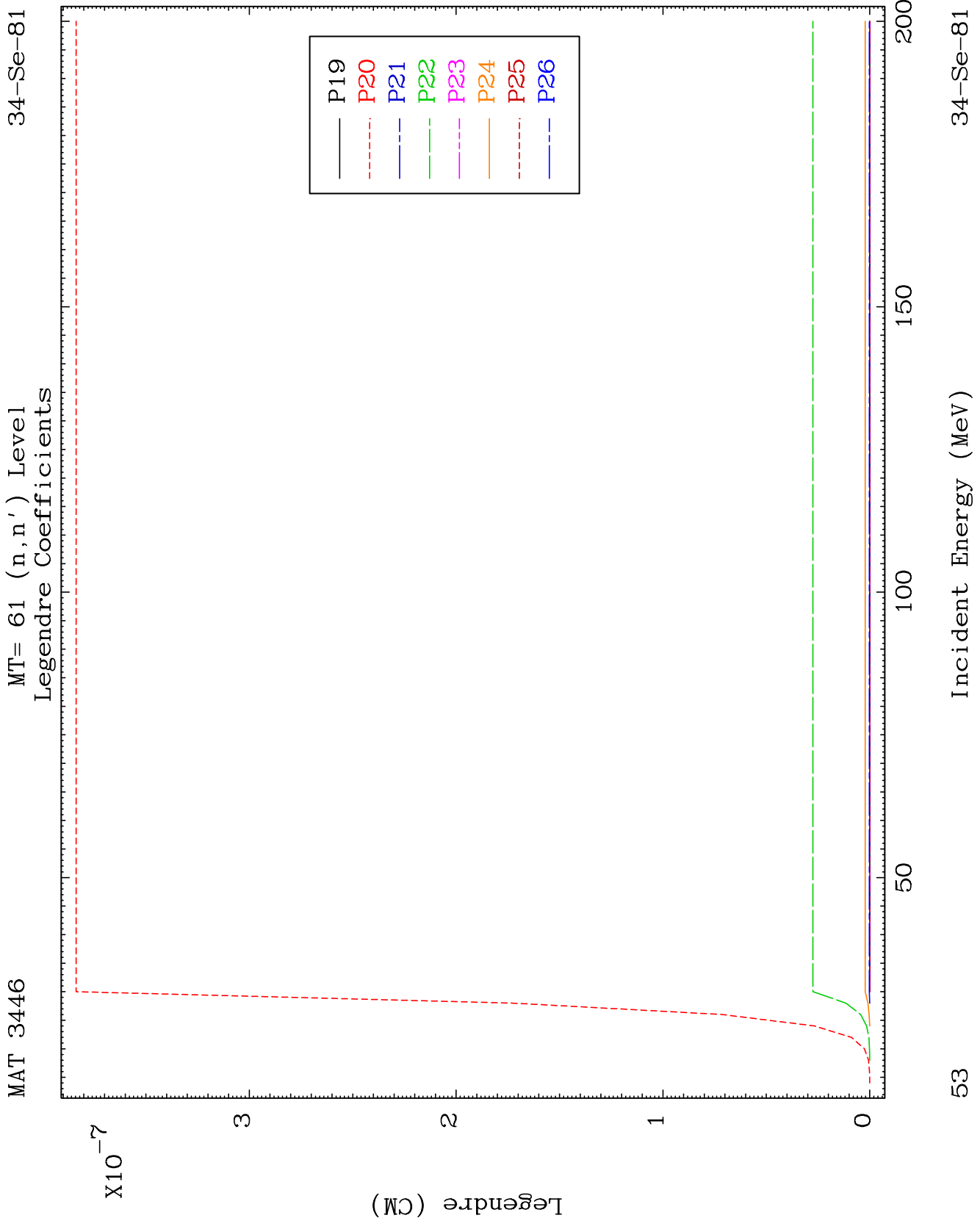
34-Se-81



52

Incident Energy (MeV)

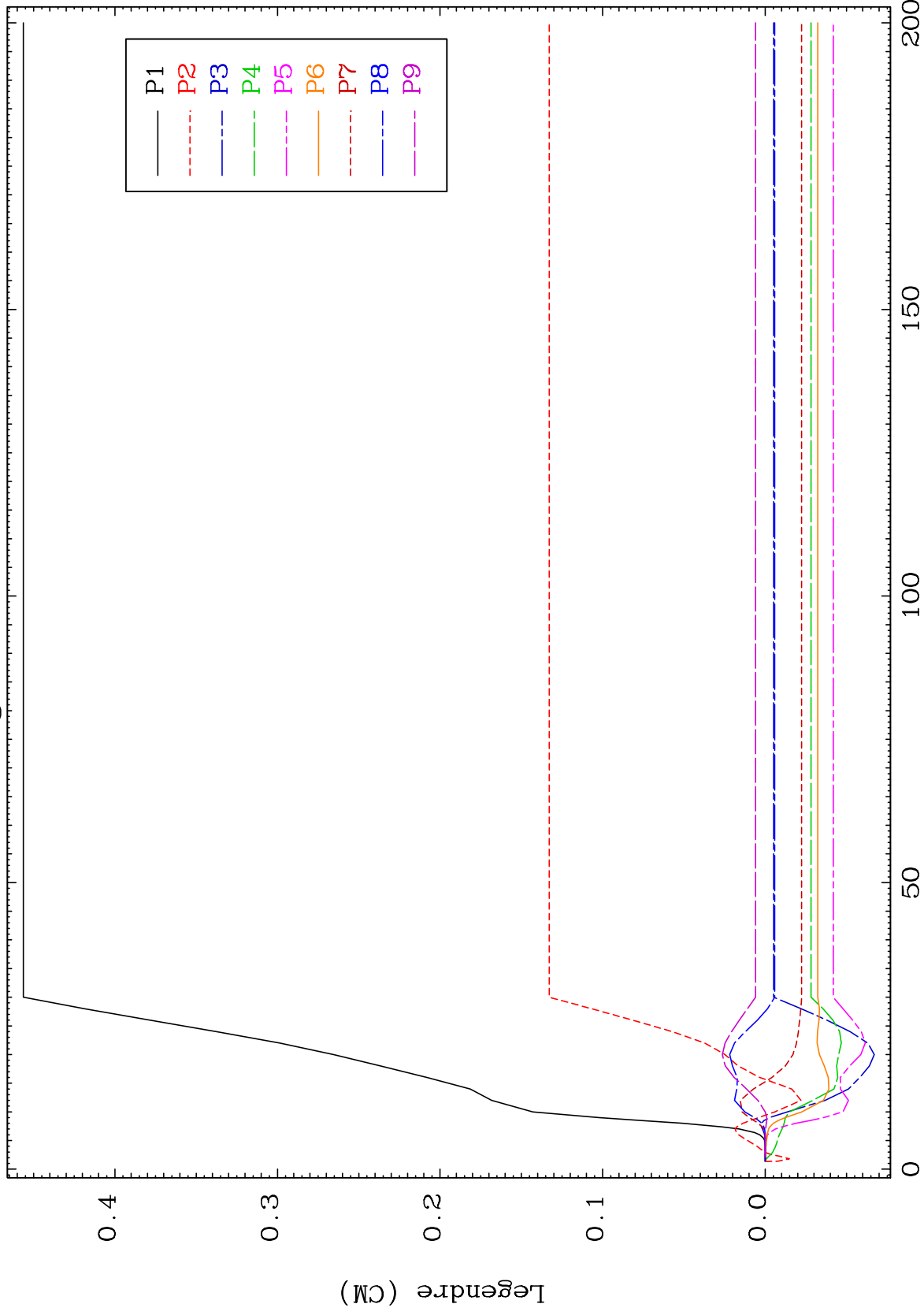
34-Se-81



MAT 3446

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

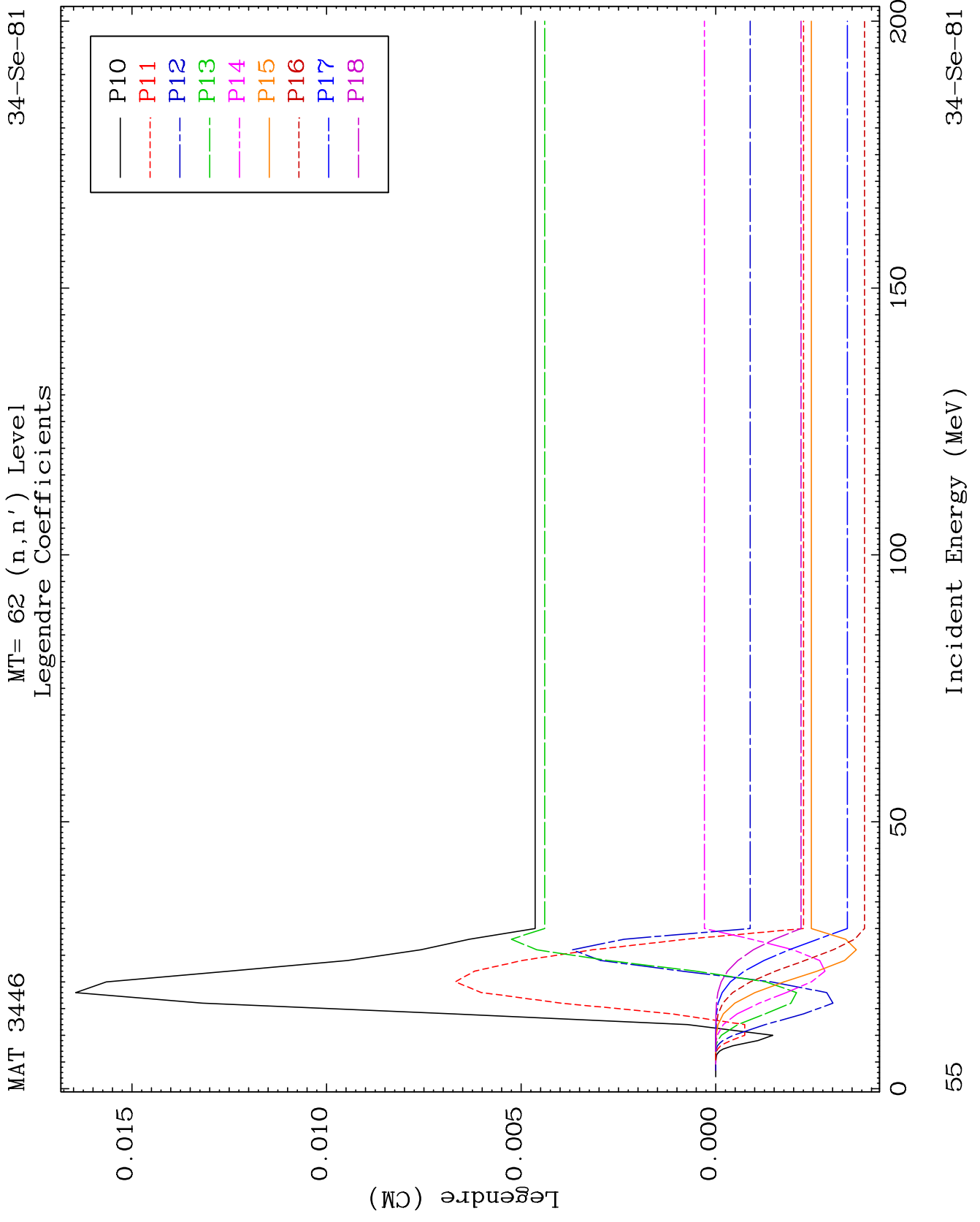
34-Se-81



54

Incident Energy (MeV)

34-Se-81

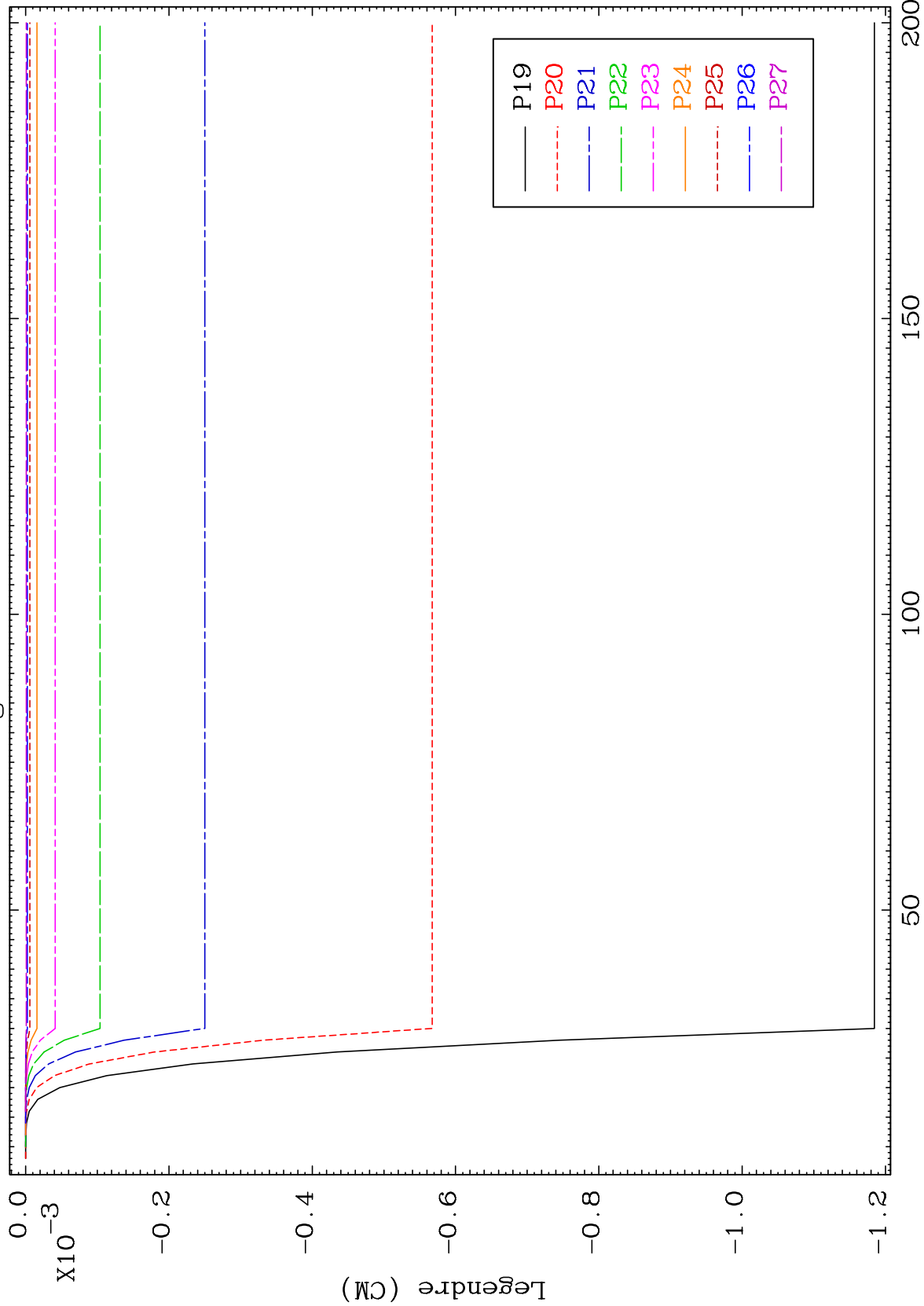




MAT 3446

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

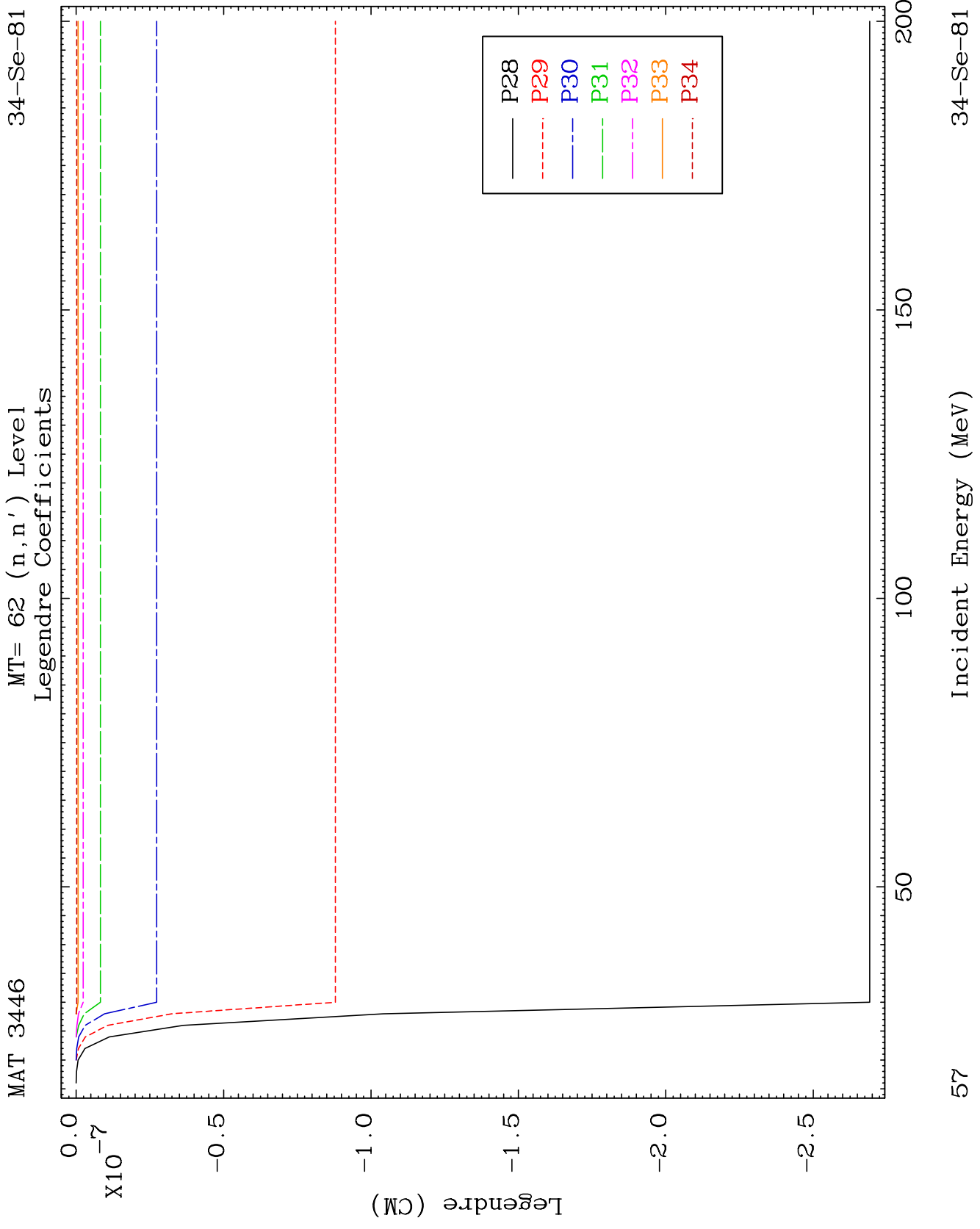
34-Se-81

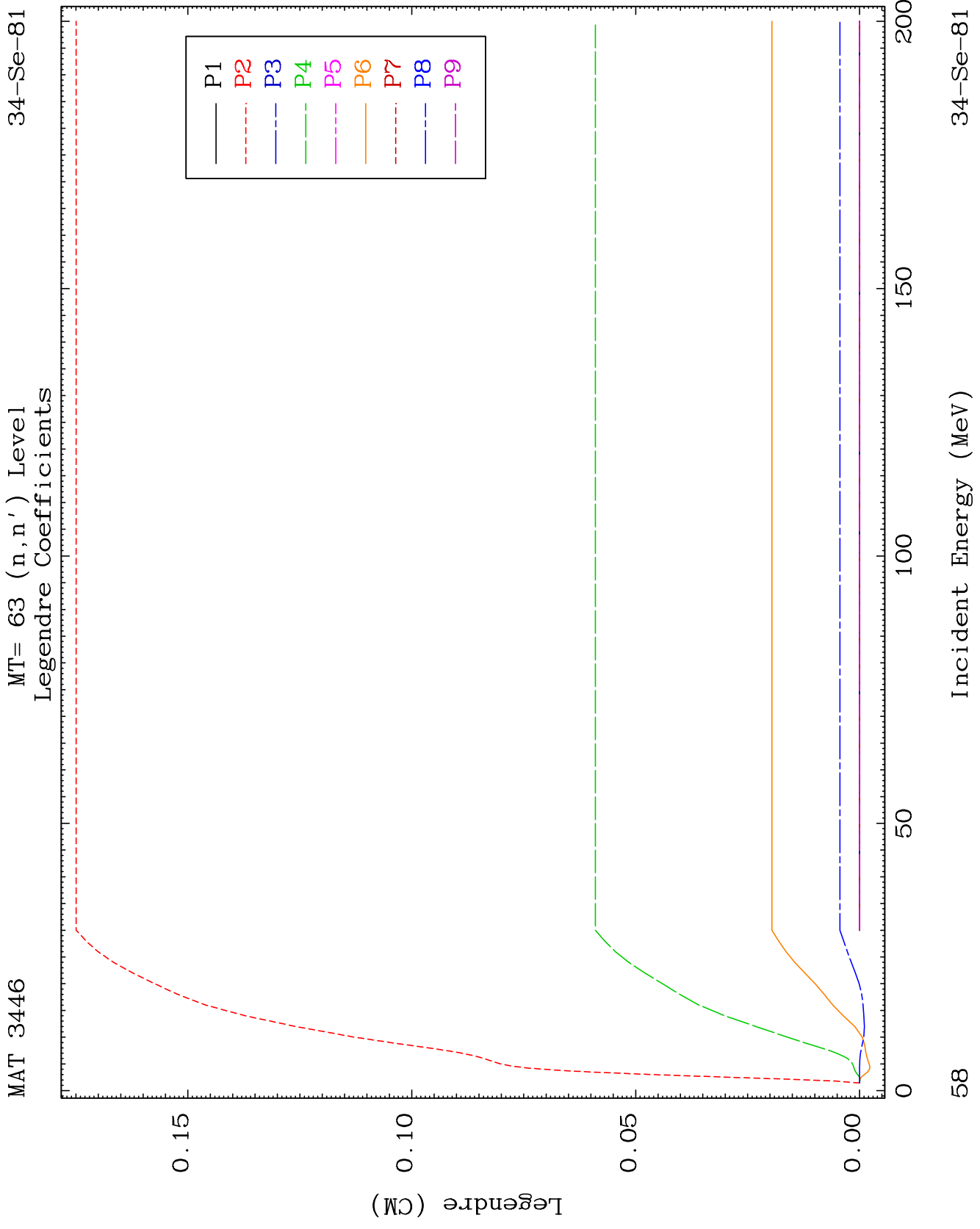


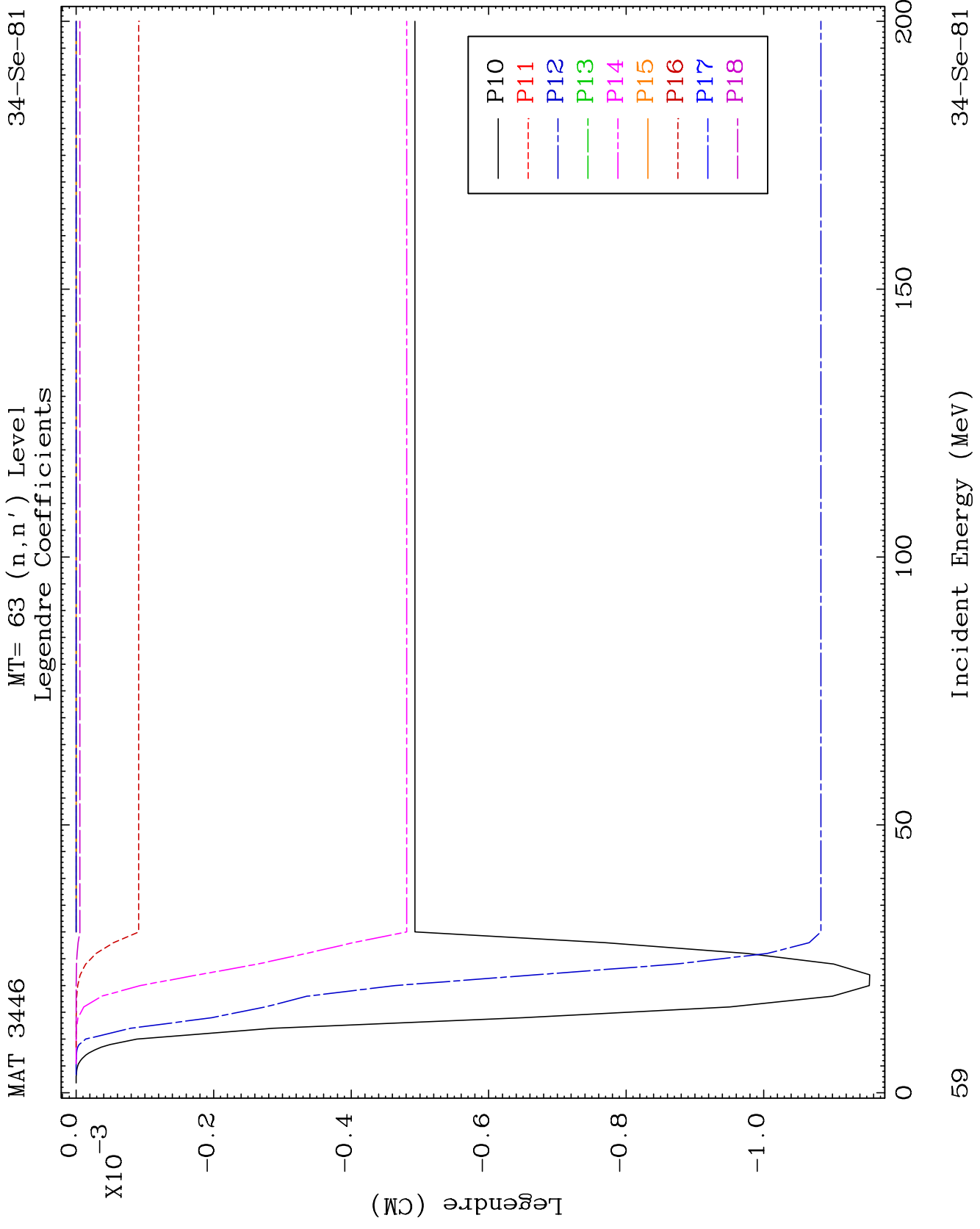
56

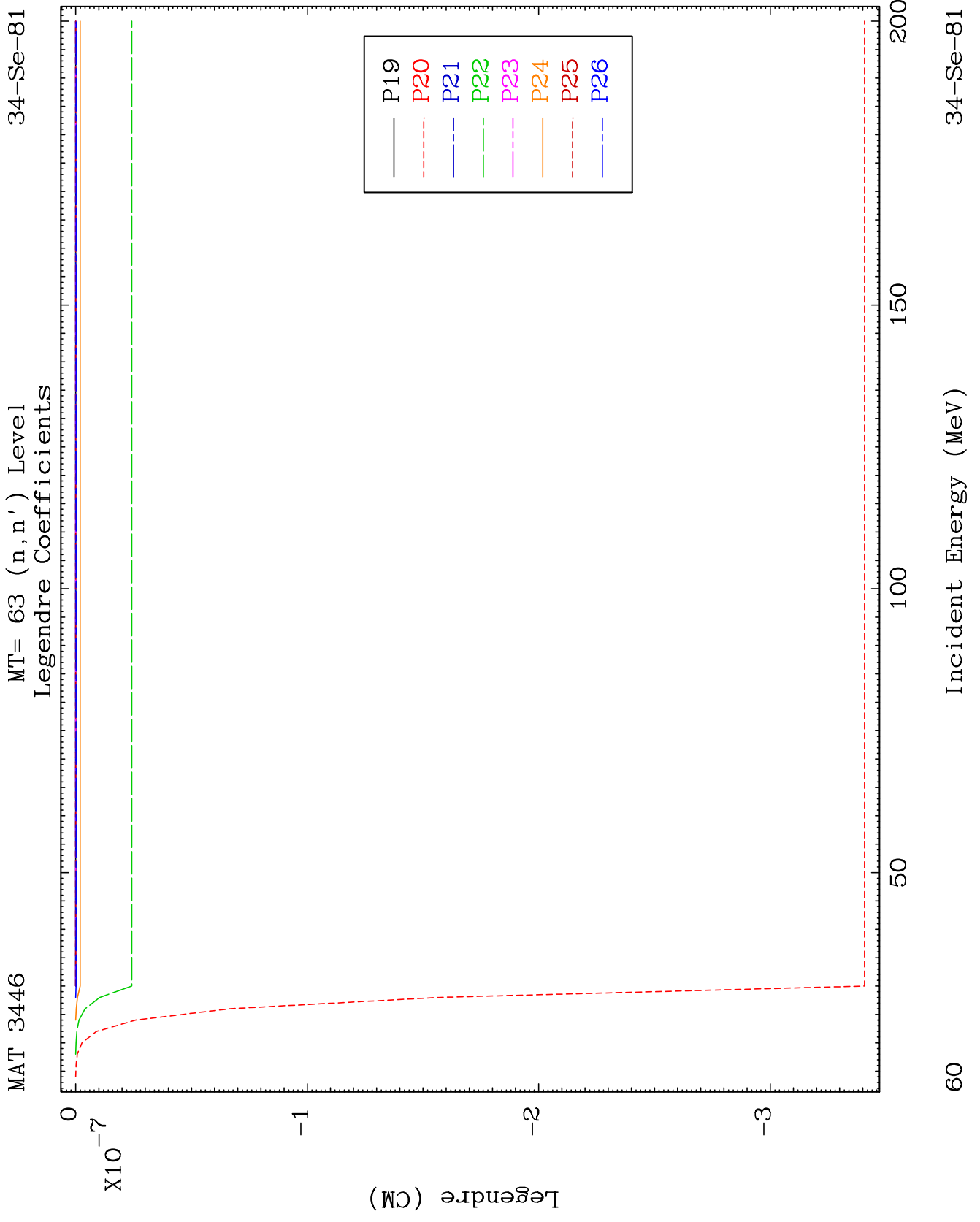
Incident Energy (MeV)

34-Se-81

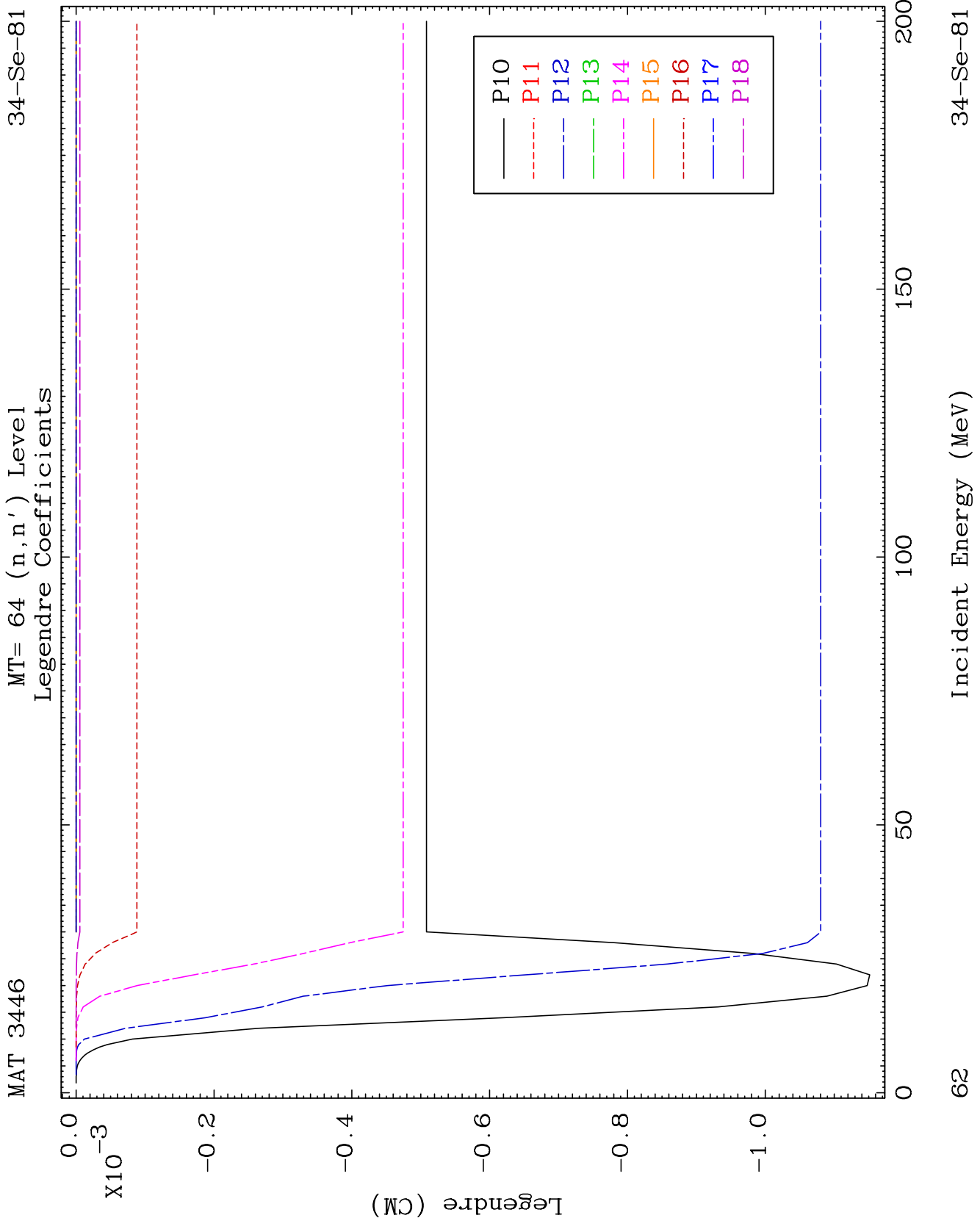


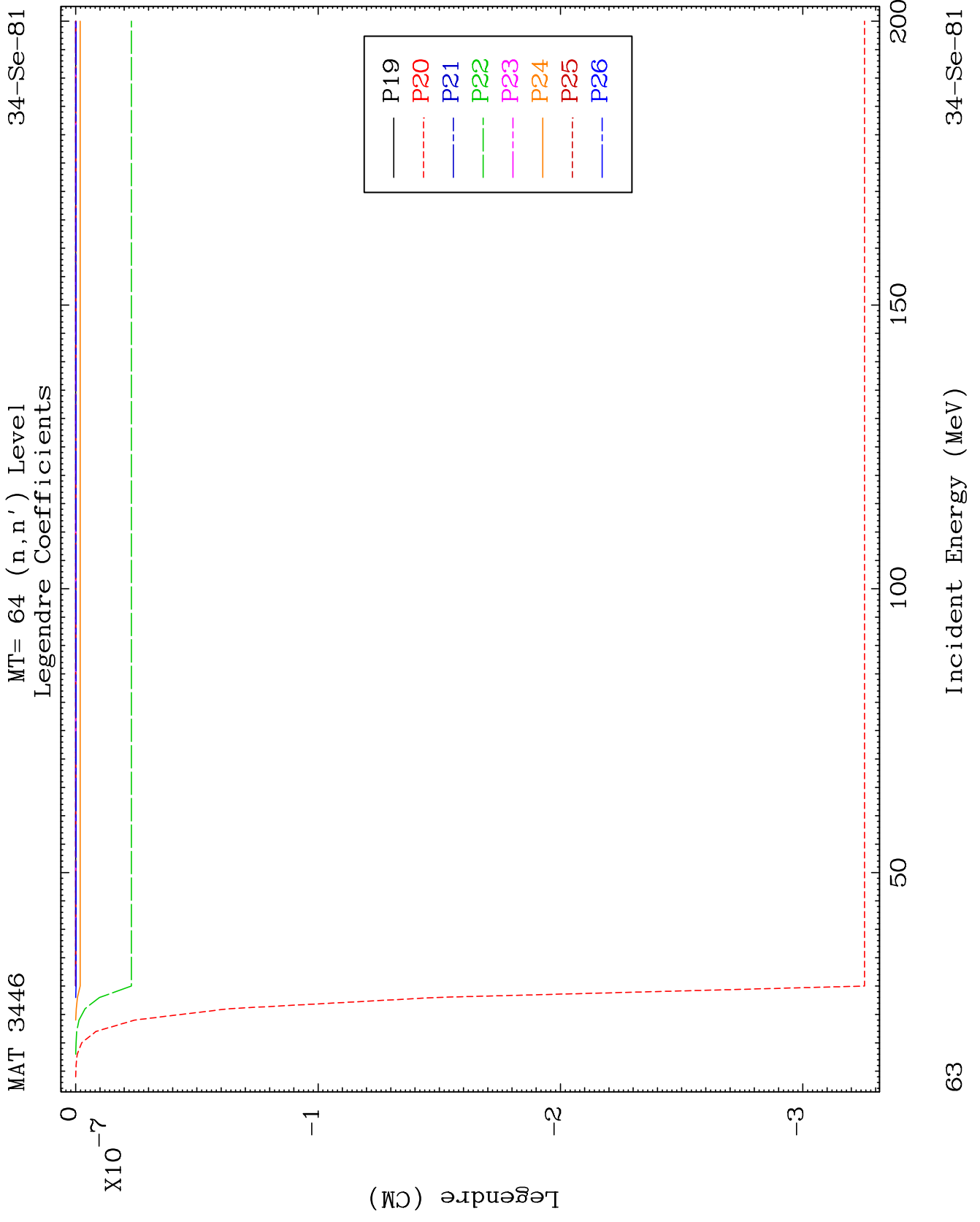




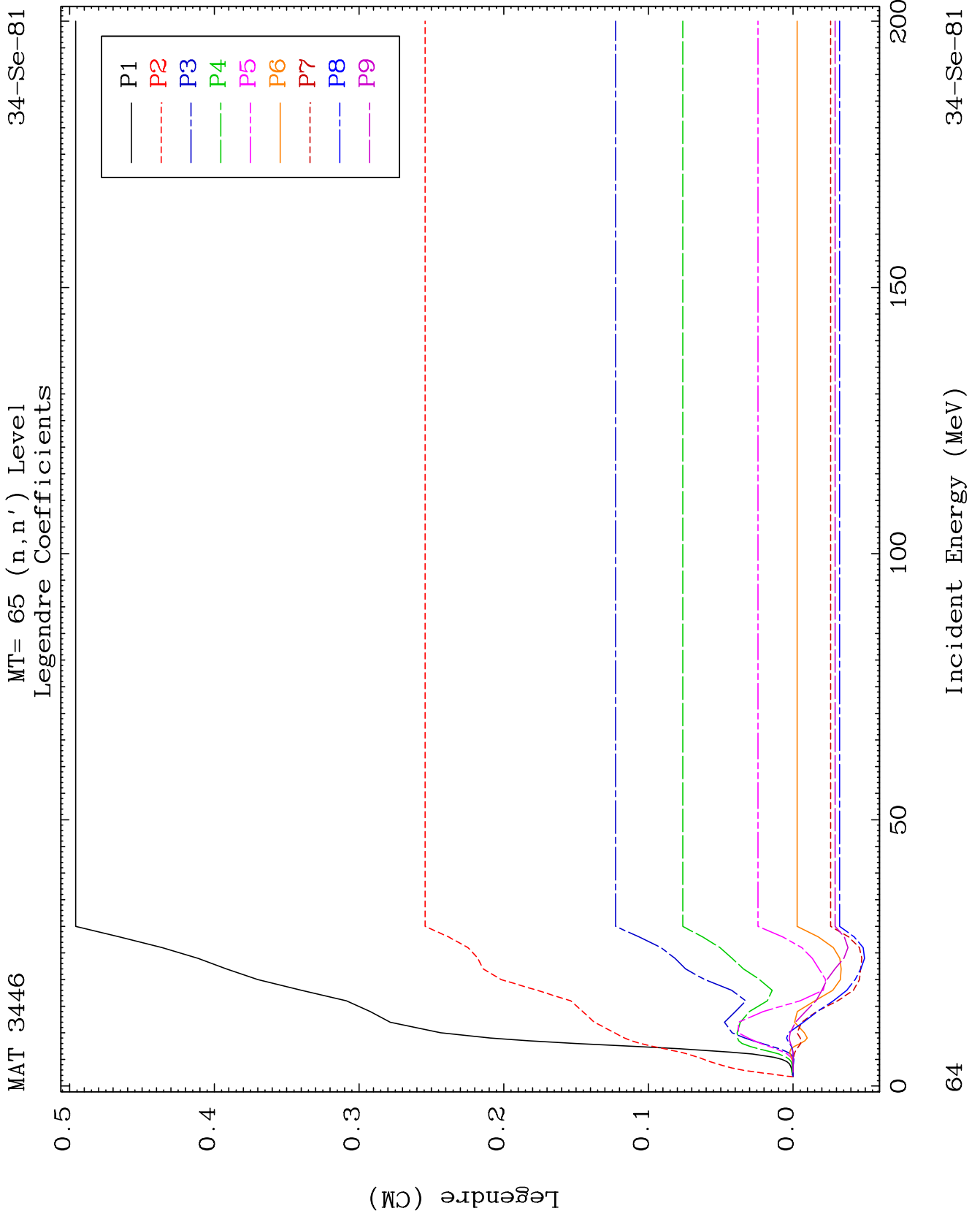








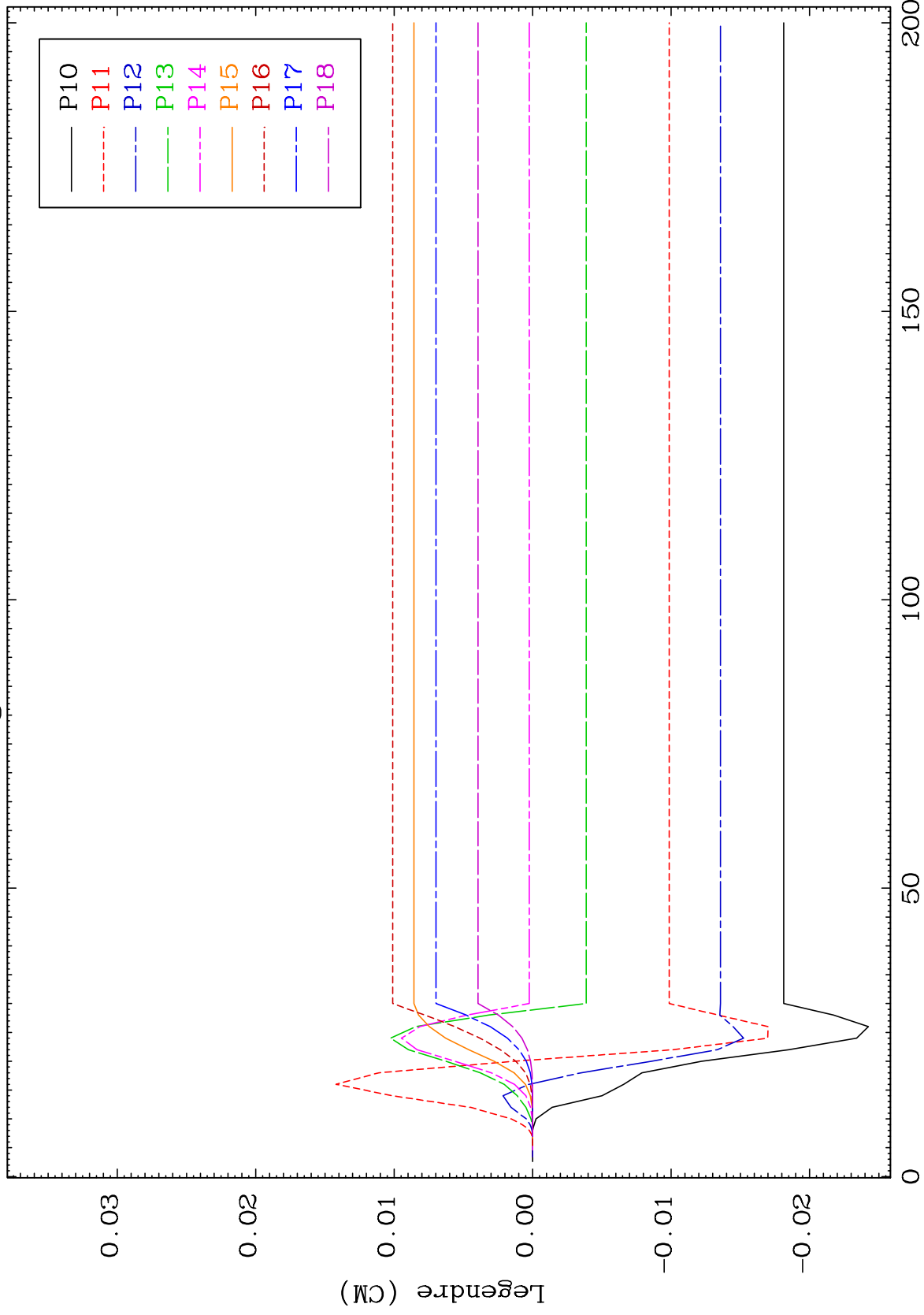




MAT 3446

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

<sup>34</sup>Se-81



65

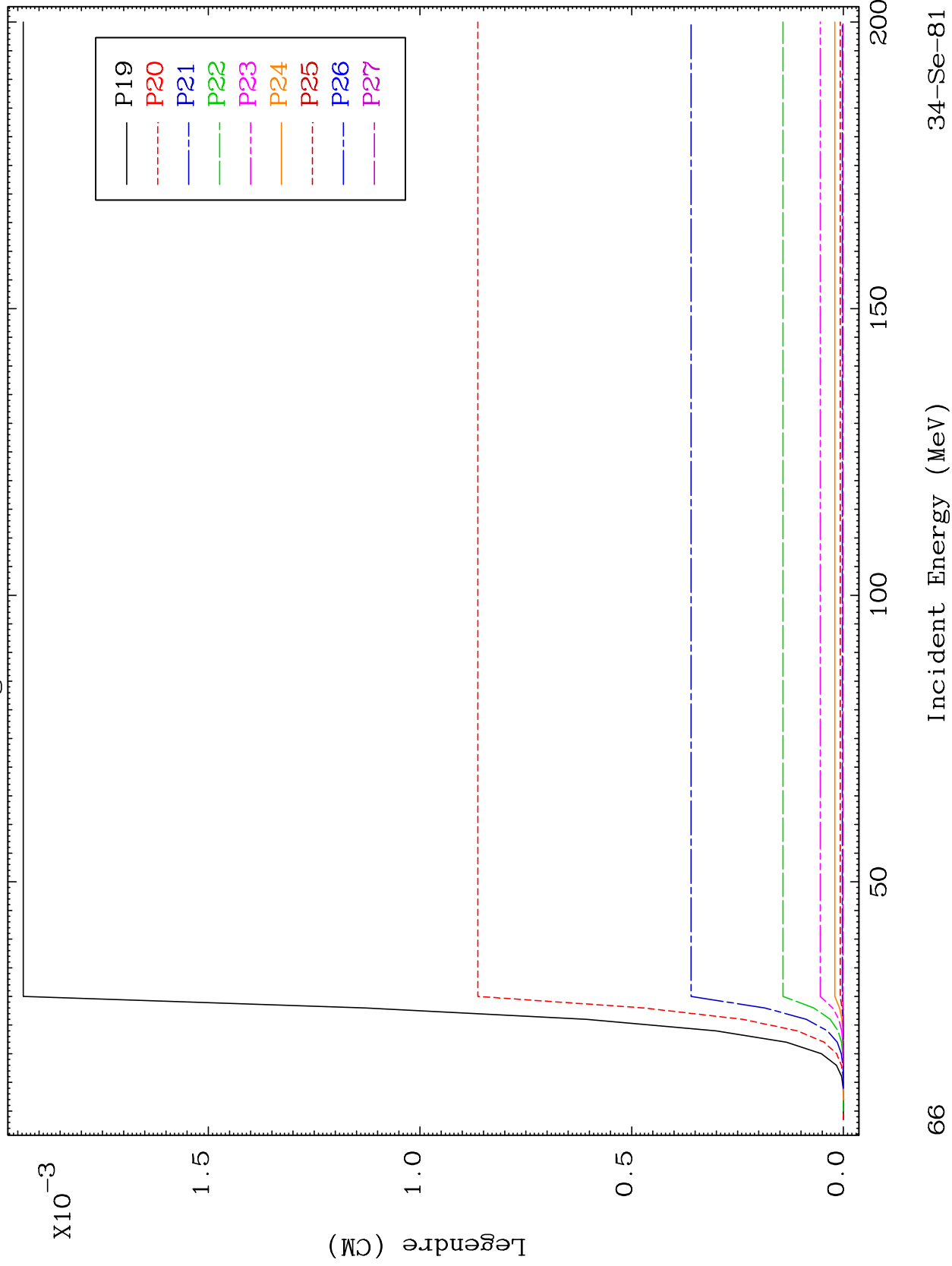
Incident Energy (MeV)

<sup>34</sup>Se-81

MAT 3446

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

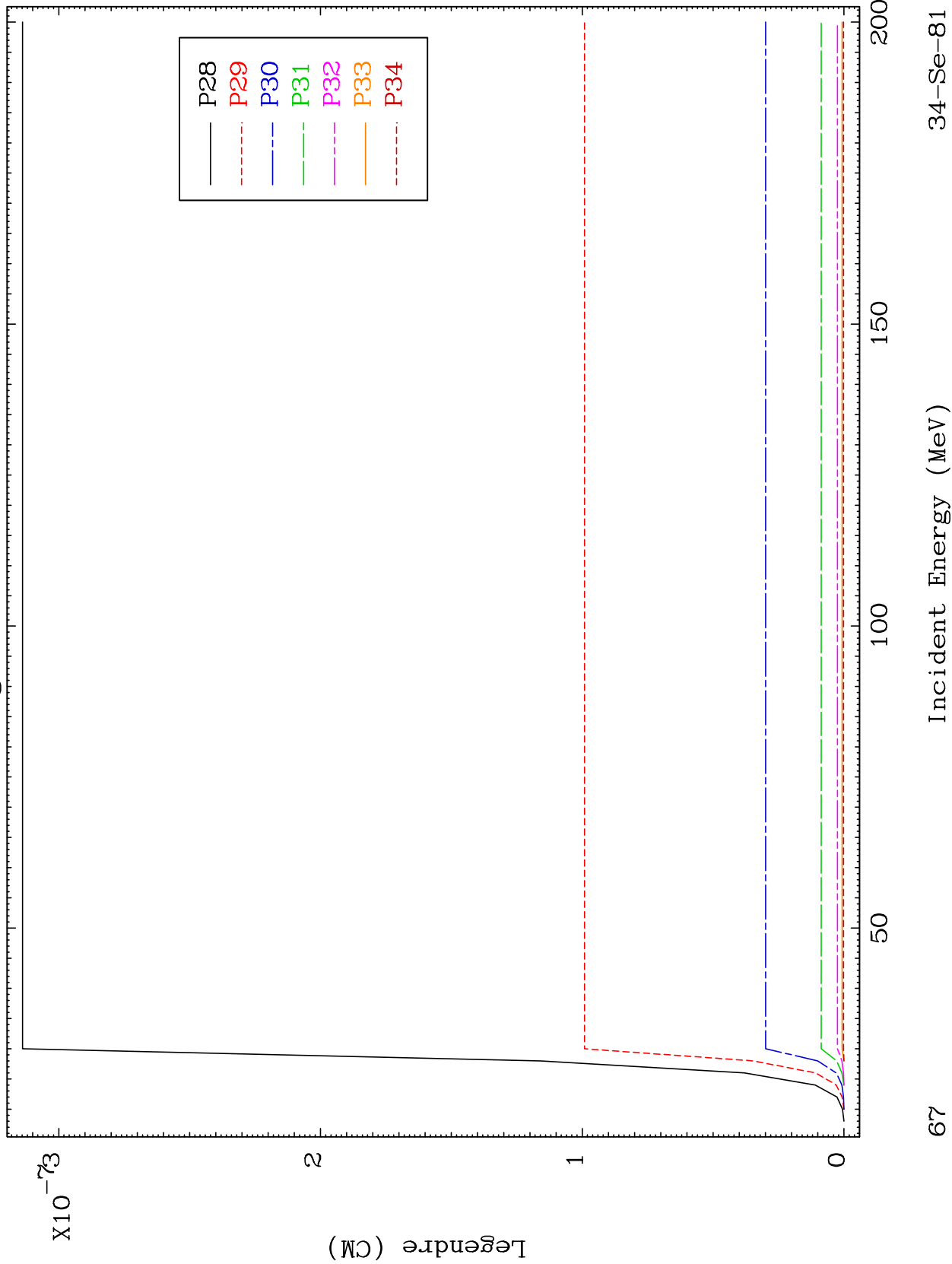
<sup>34</sup>Se-81



MAT 3446

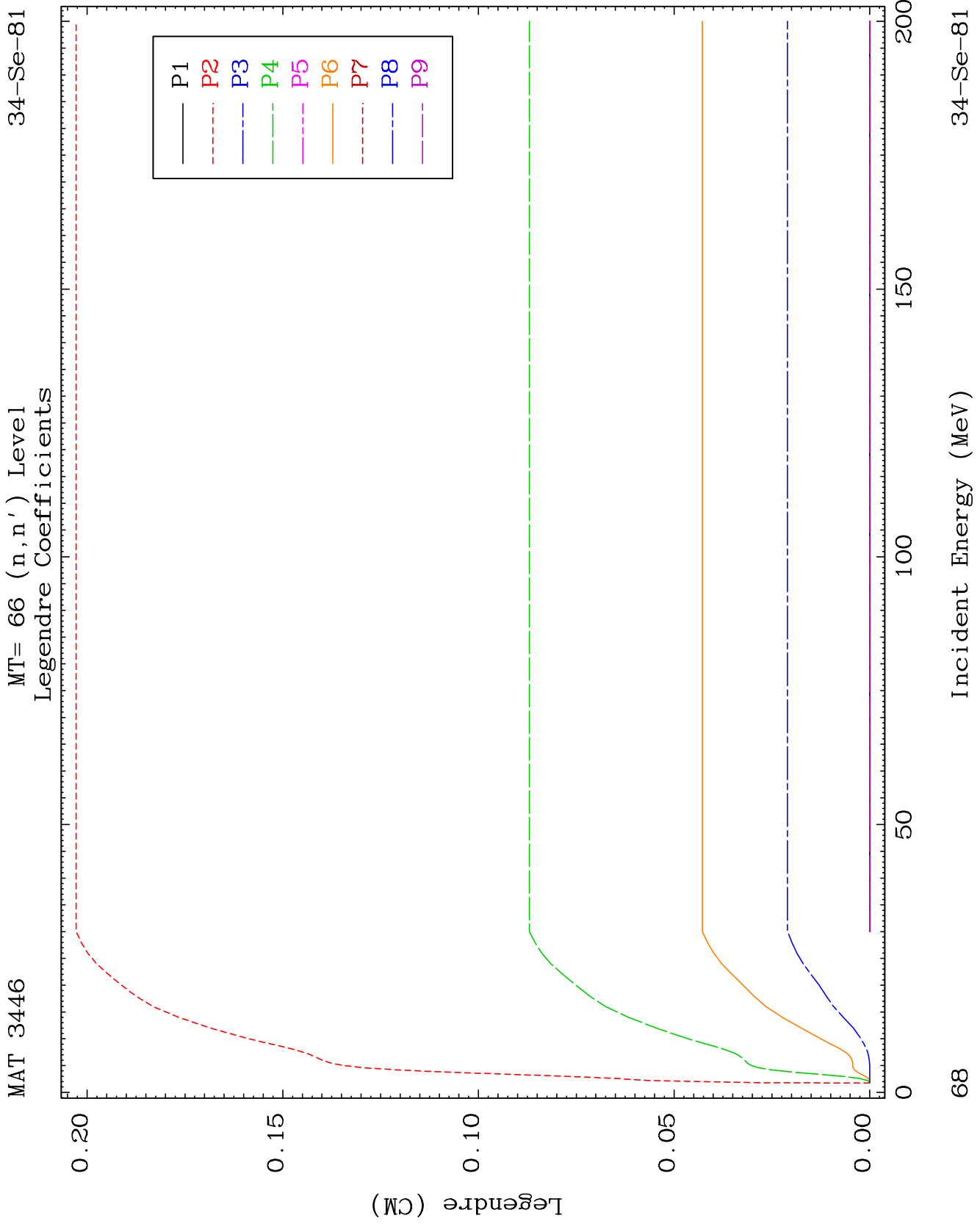
MT= 65 (n,n') Level  
Legendre Coefficients

34-Se-81



67

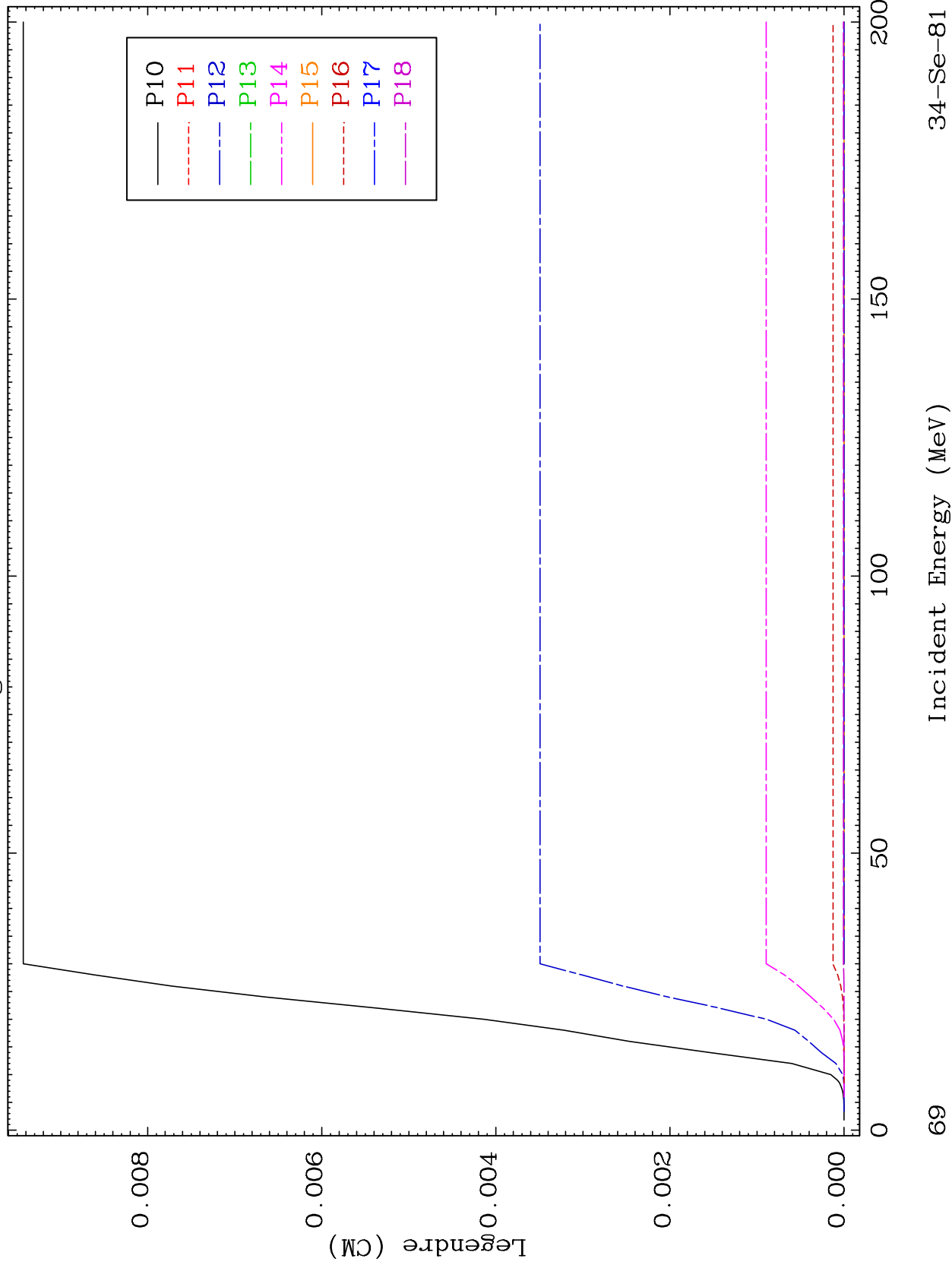
34-Se-81



MAT 3446

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

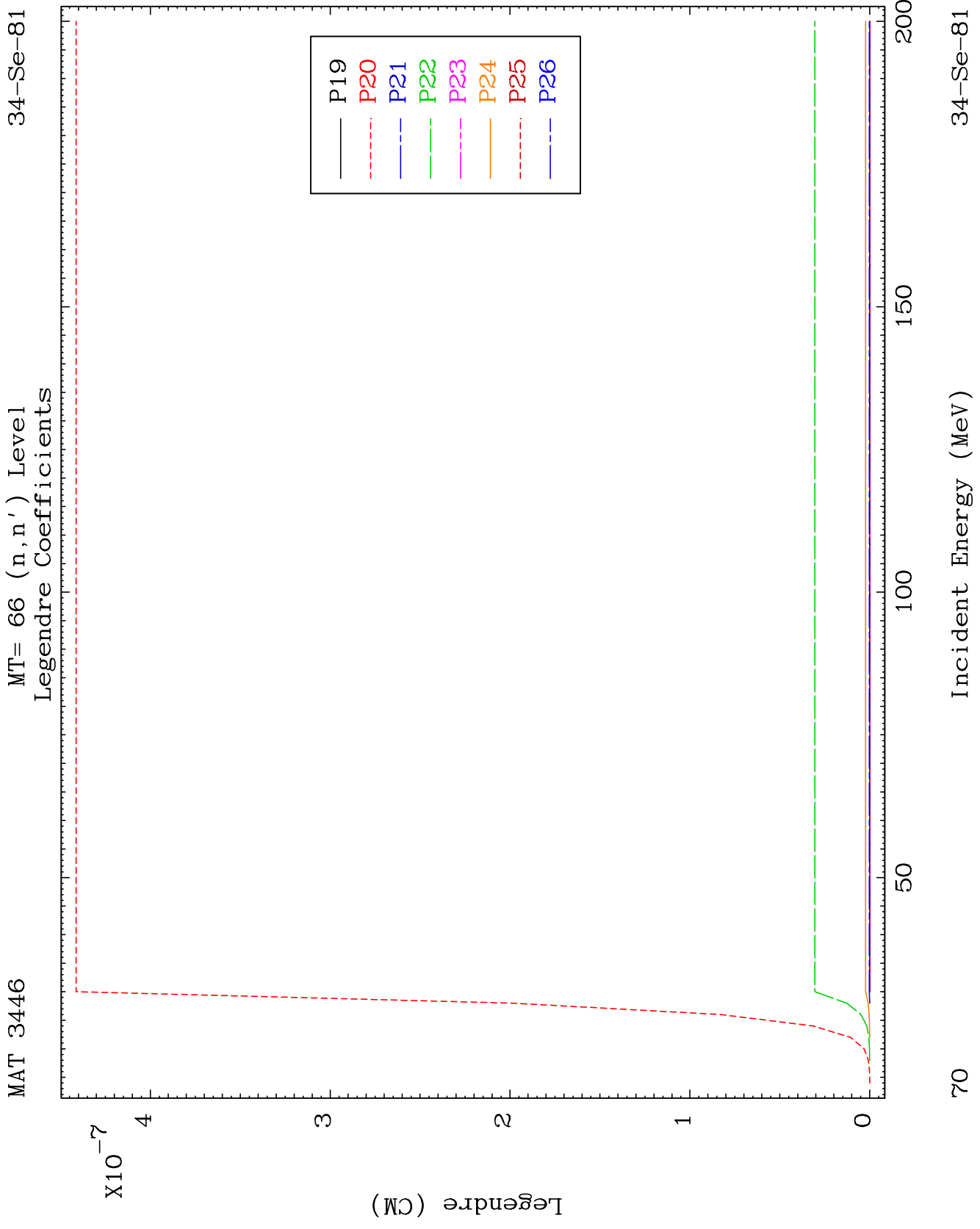
34-Se-81

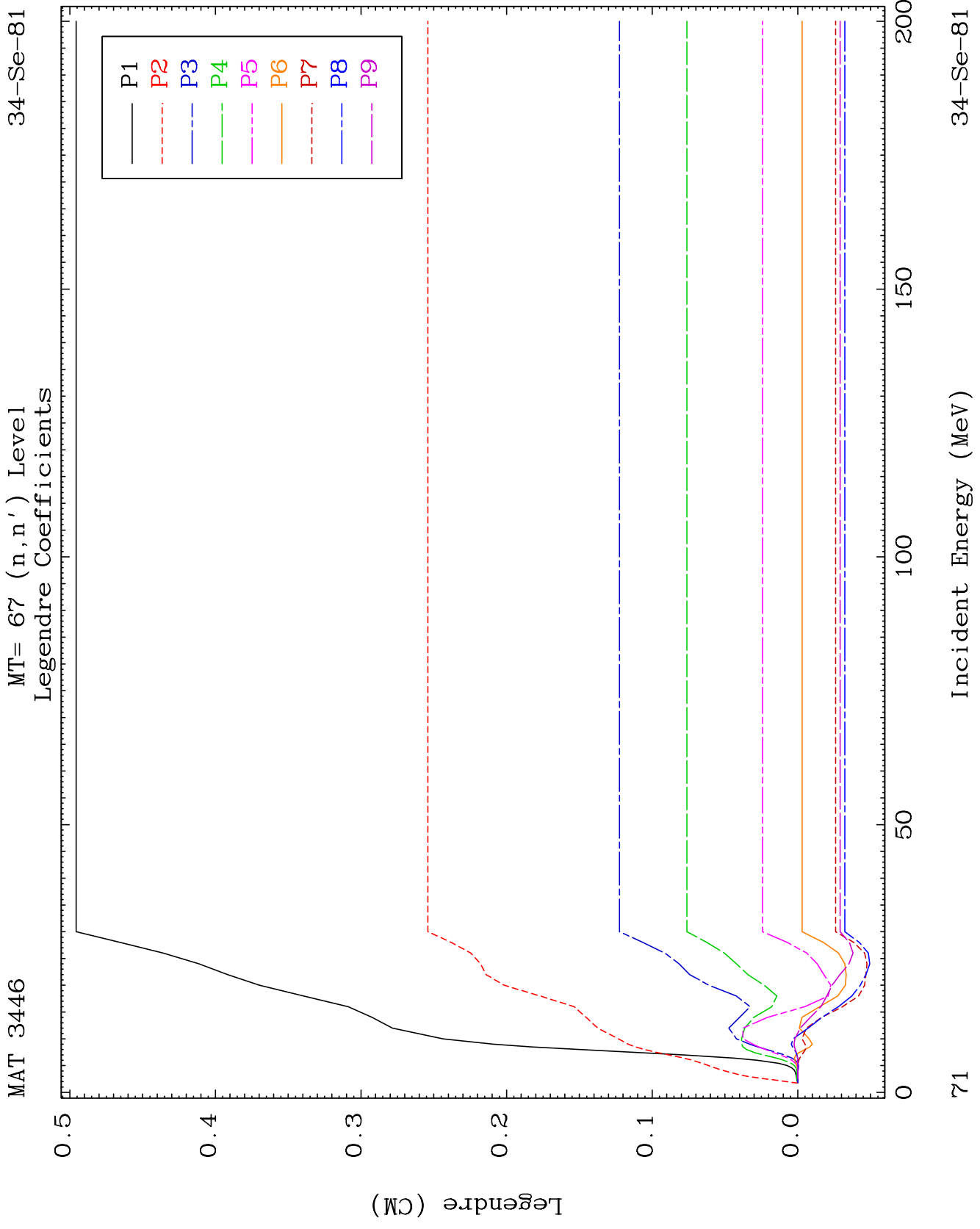


34-Se-81

Incident Energy (MeV)

69



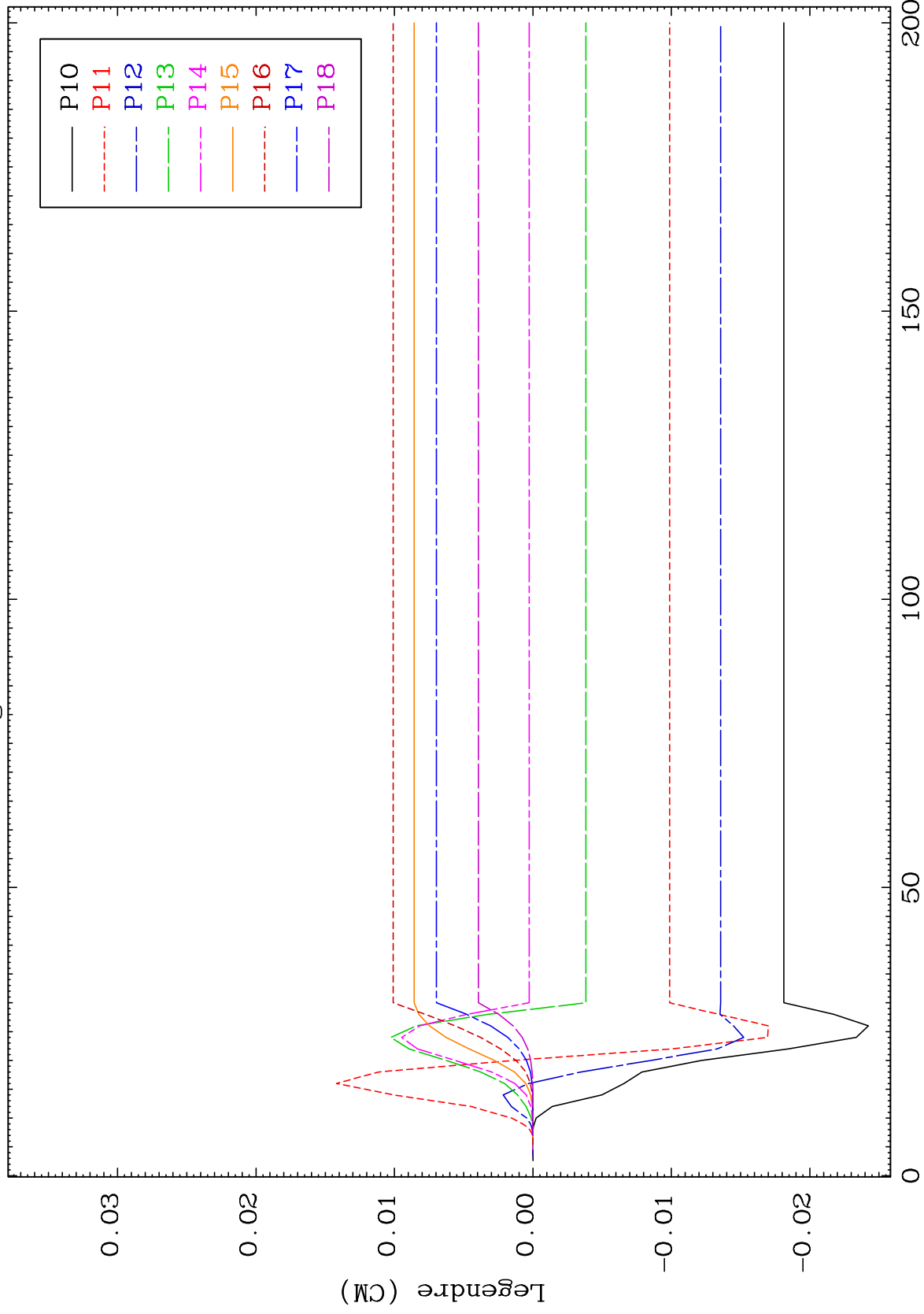




MAT 3446

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

<sup>34</sup>Se-81



72

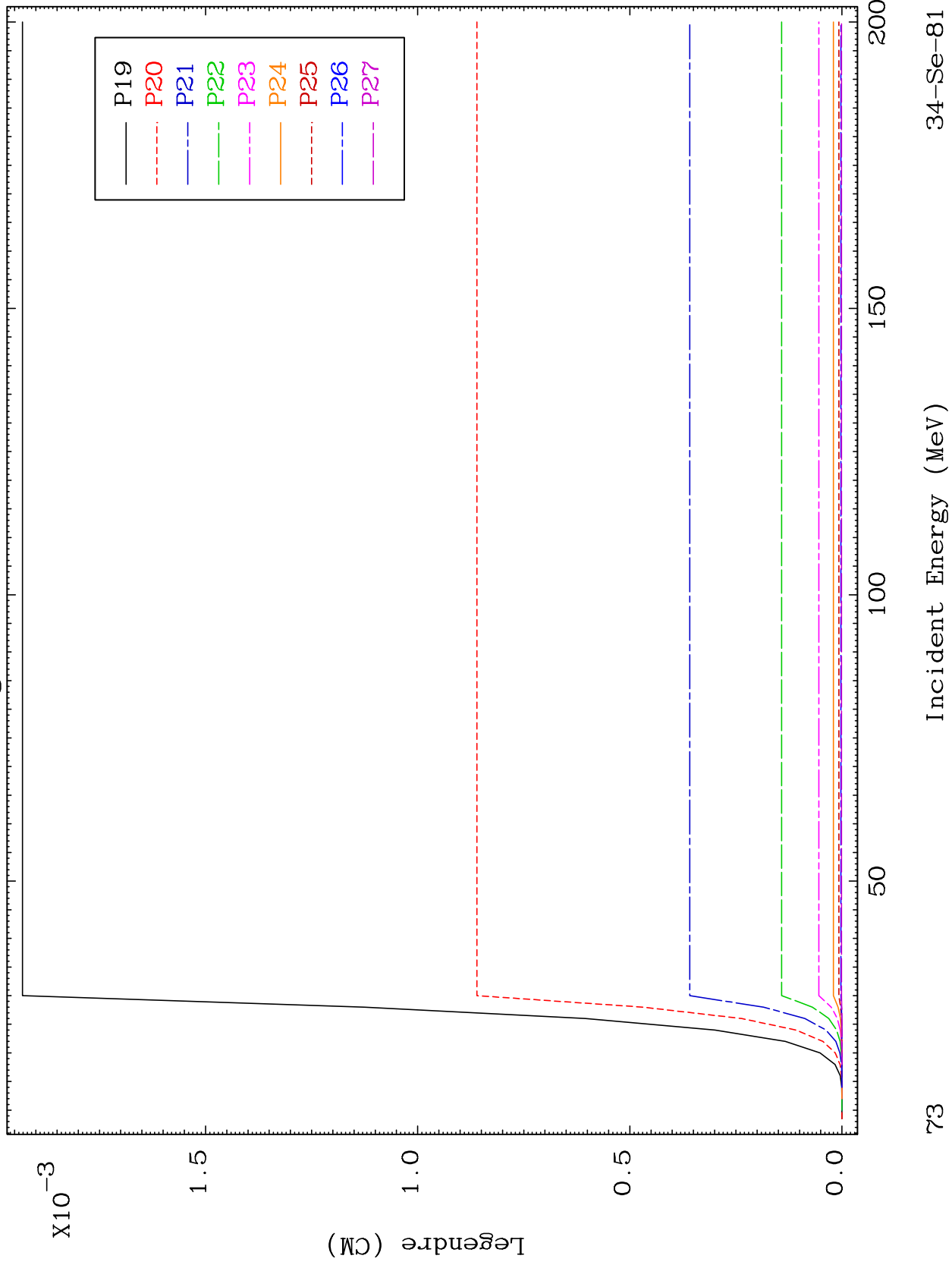
Incident Energy (MeV)

<sup>34</sup>Se-81

MAT 3446

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

<sup>34</sup>Se-81



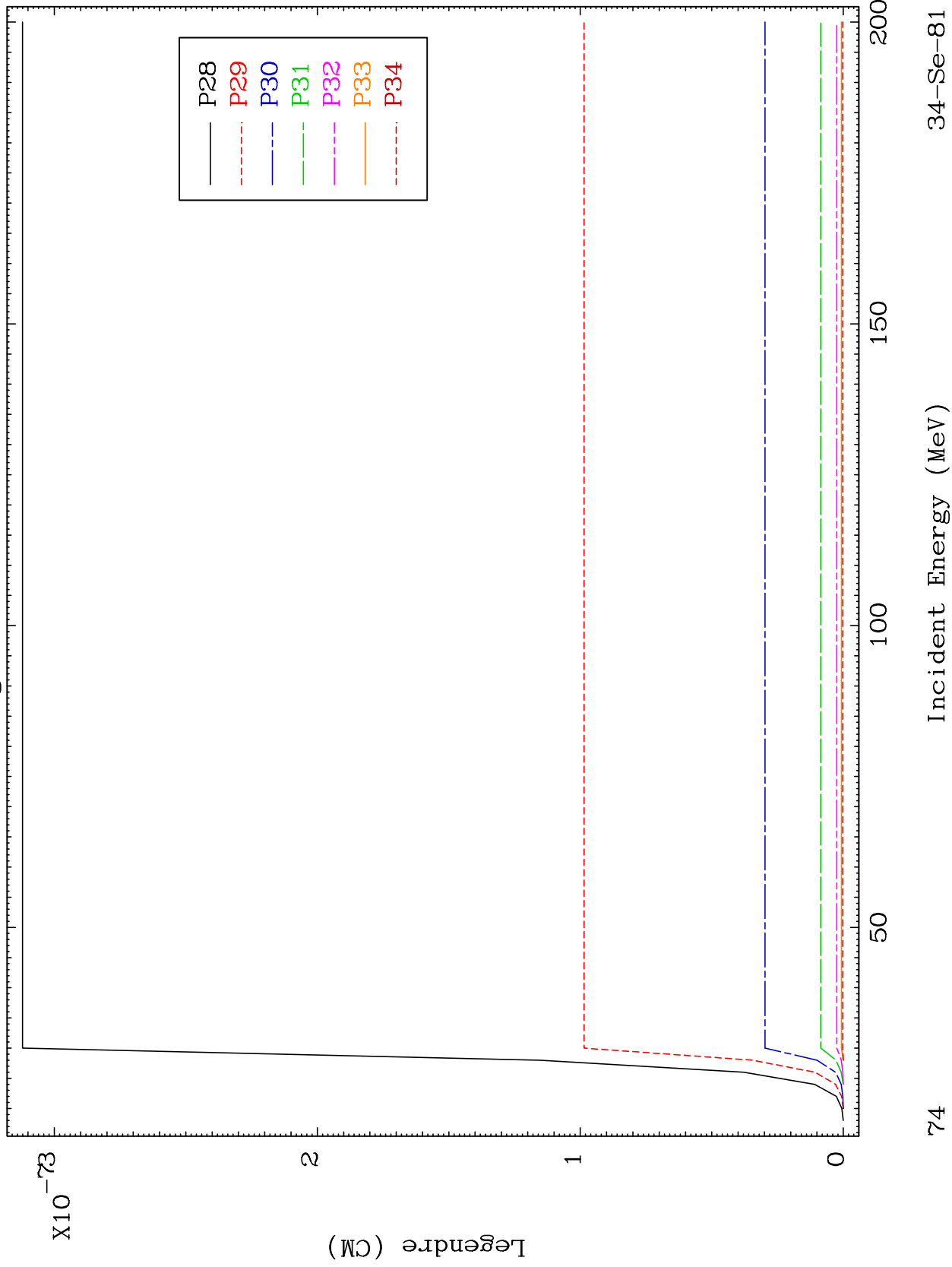
73

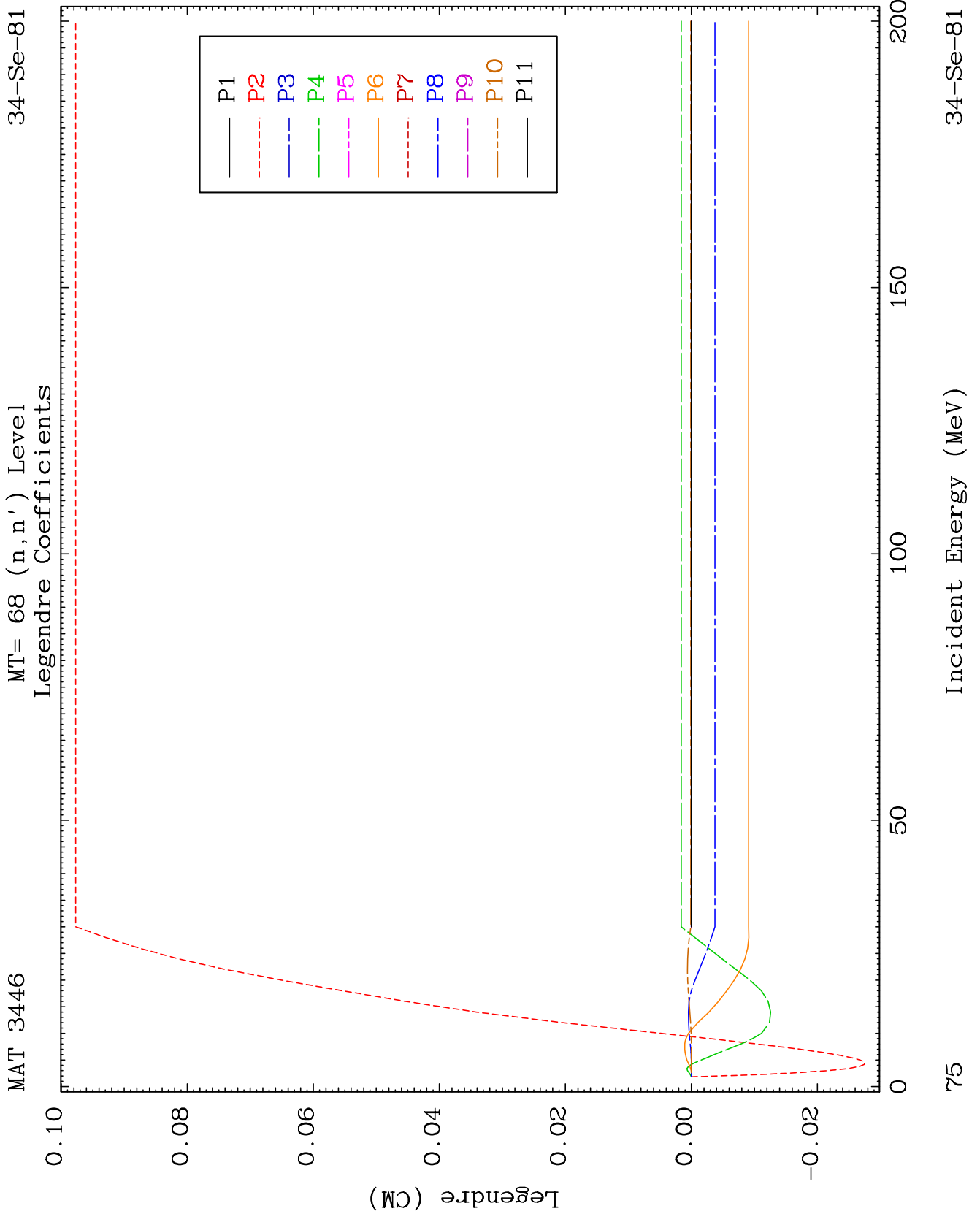
<sup>34</sup>Se-81

MAT 3446

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

34-Se-81

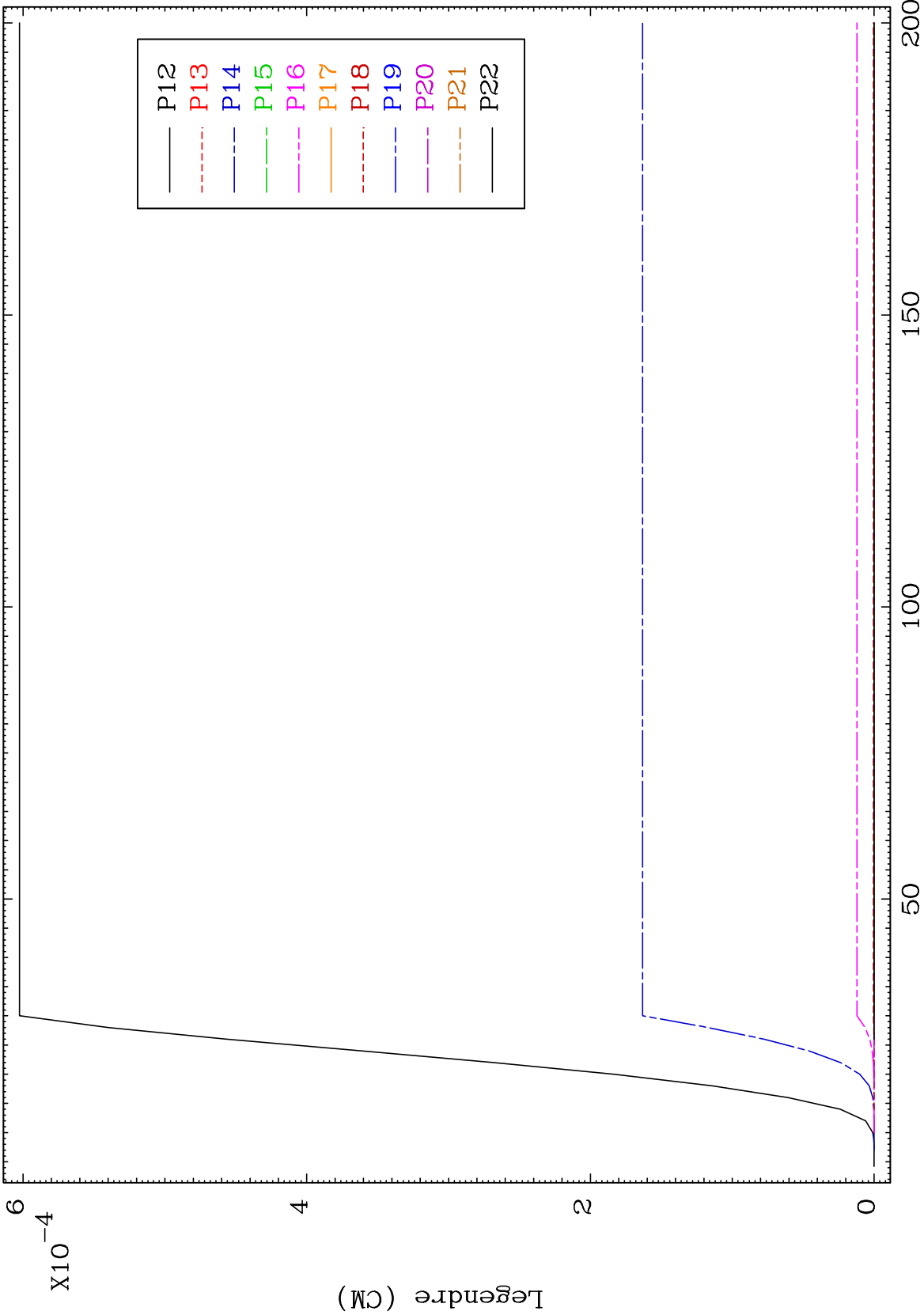




MAT 3446

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

34-Se-81



76

Incident Energy (MeV)

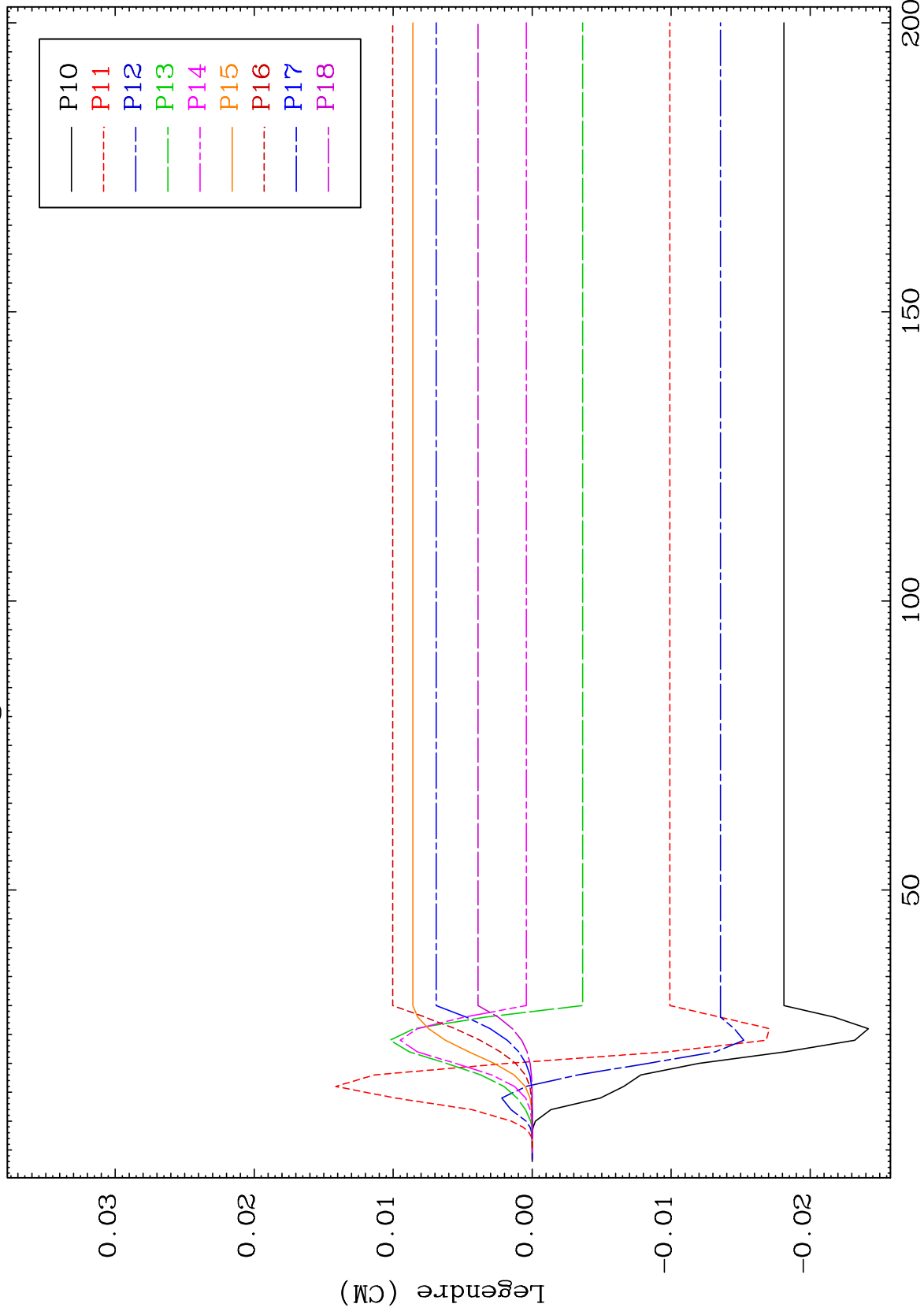
34-Se-81



MAT 3446

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

34-Se-81



78

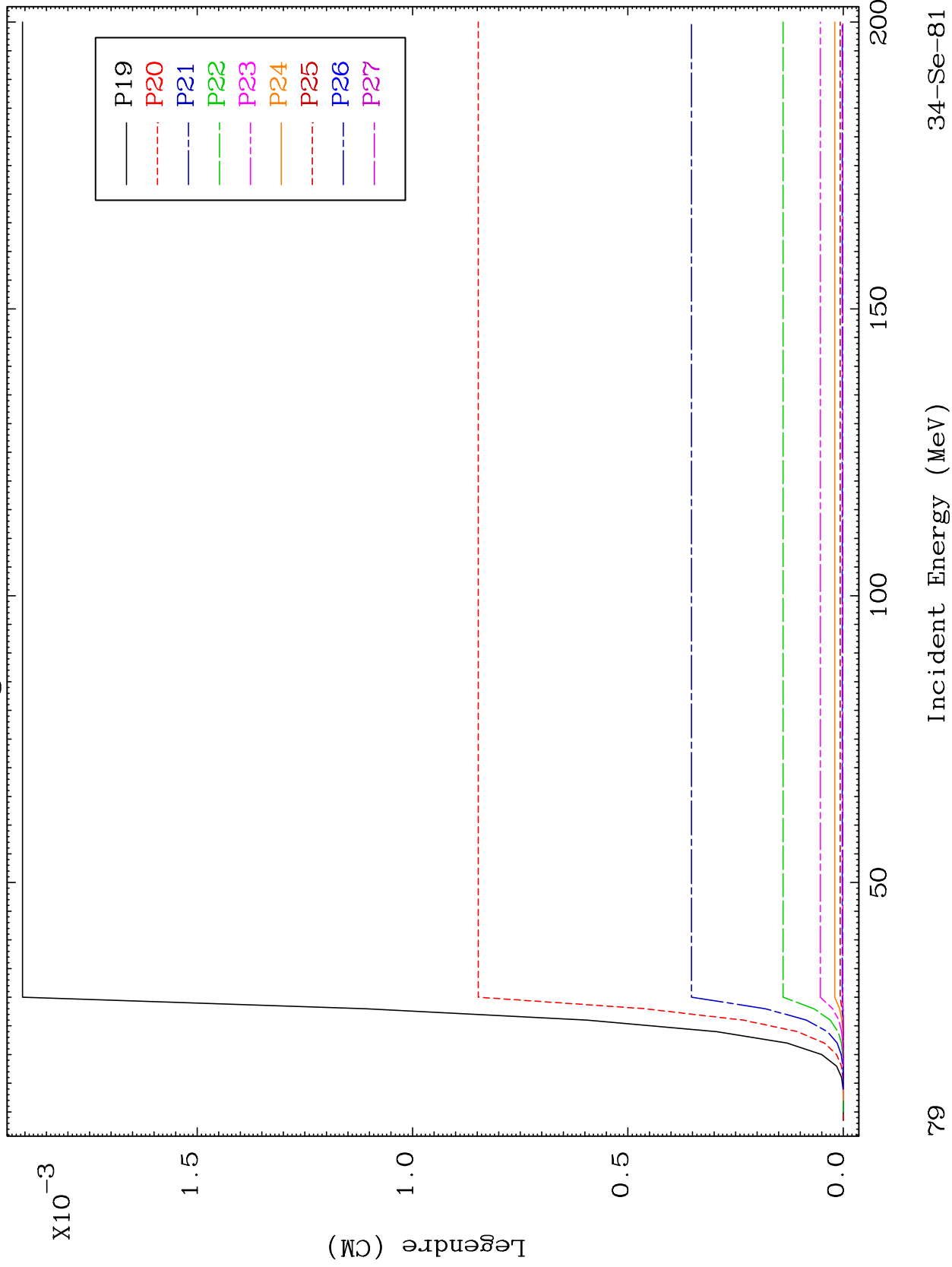
Incident Energy (MeV)

34-Se-81

MAT 3446

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

<sup>34</sup>Se-81

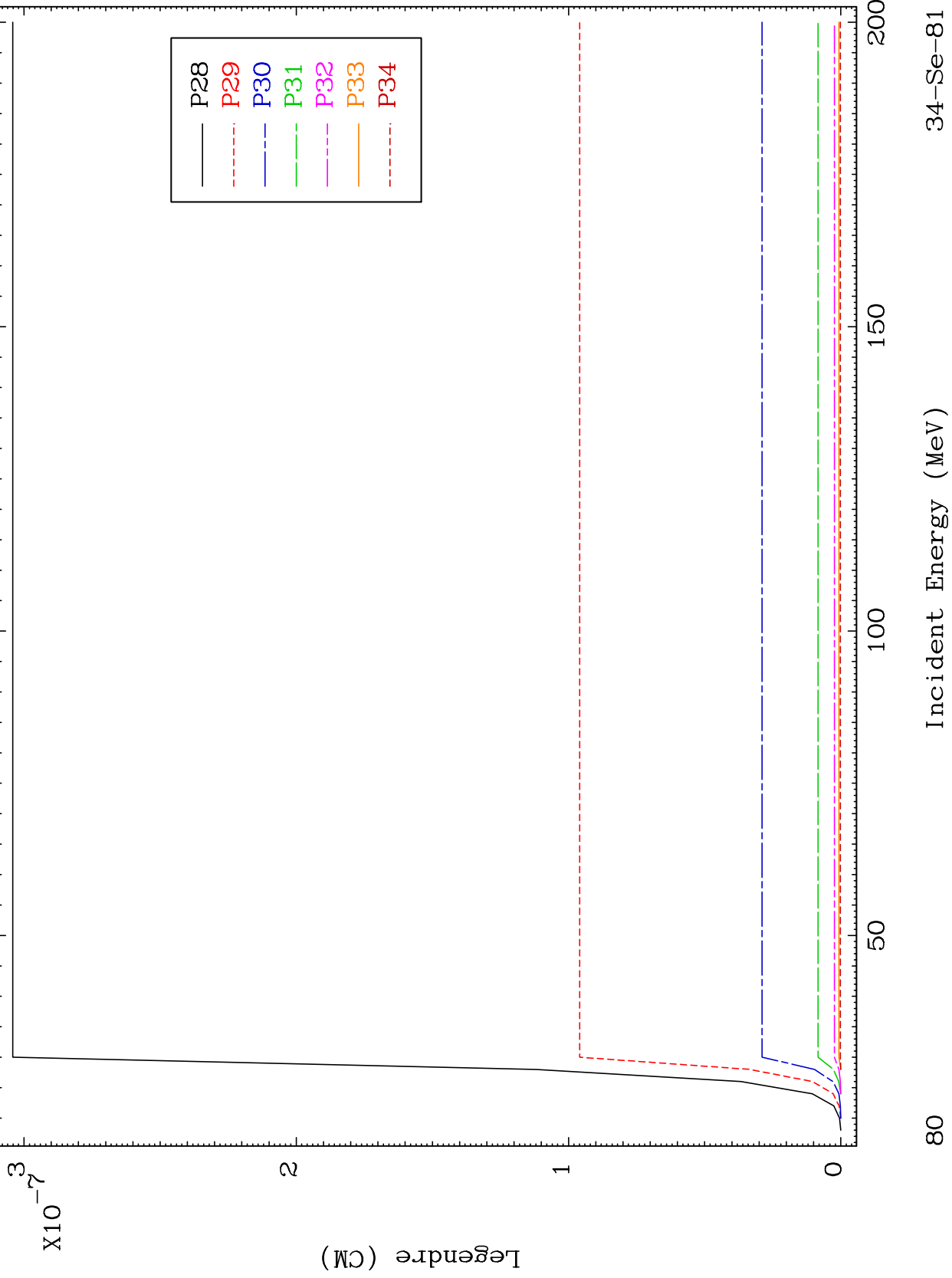


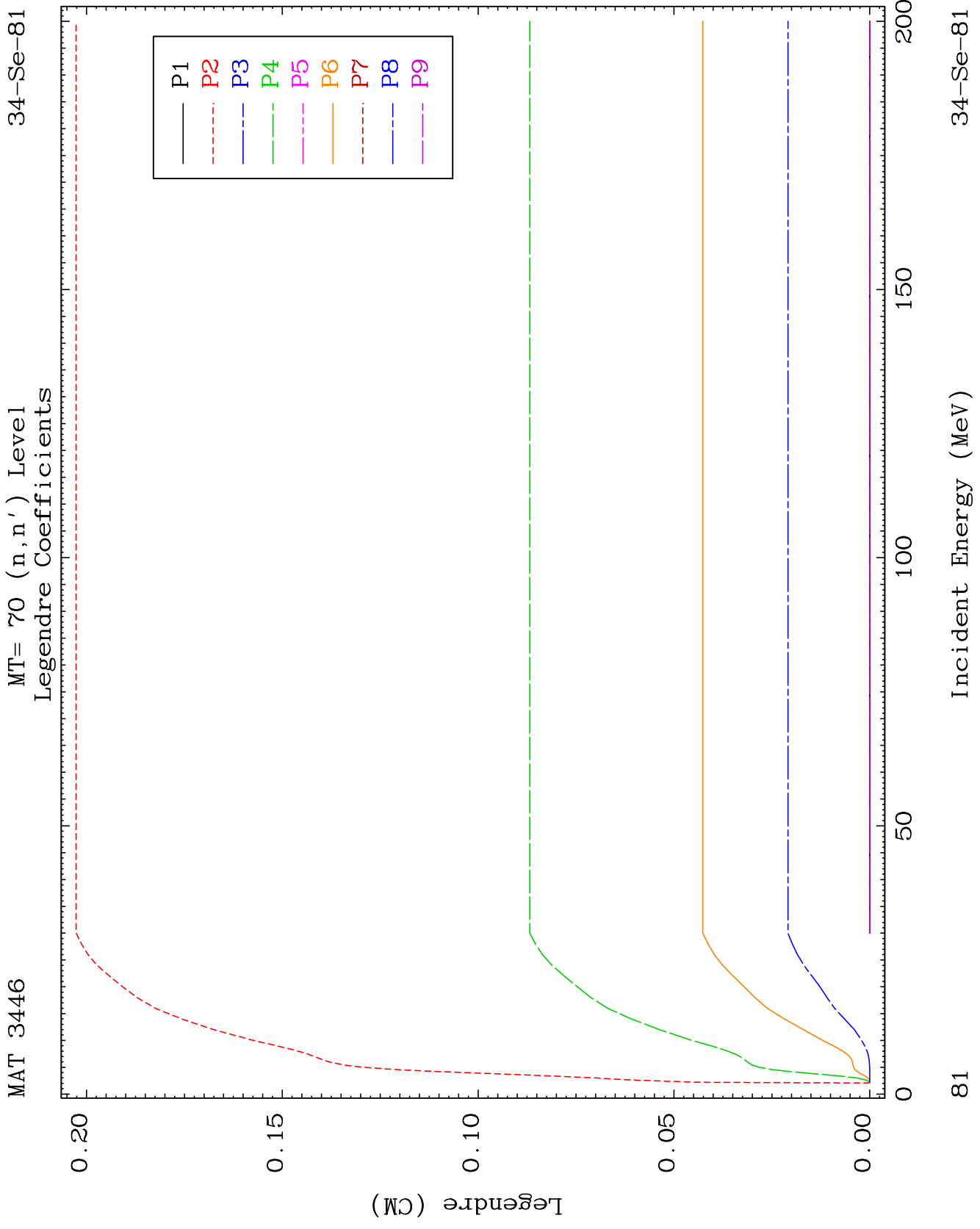


MAT 3446

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

<sup>34</sup>Se-81

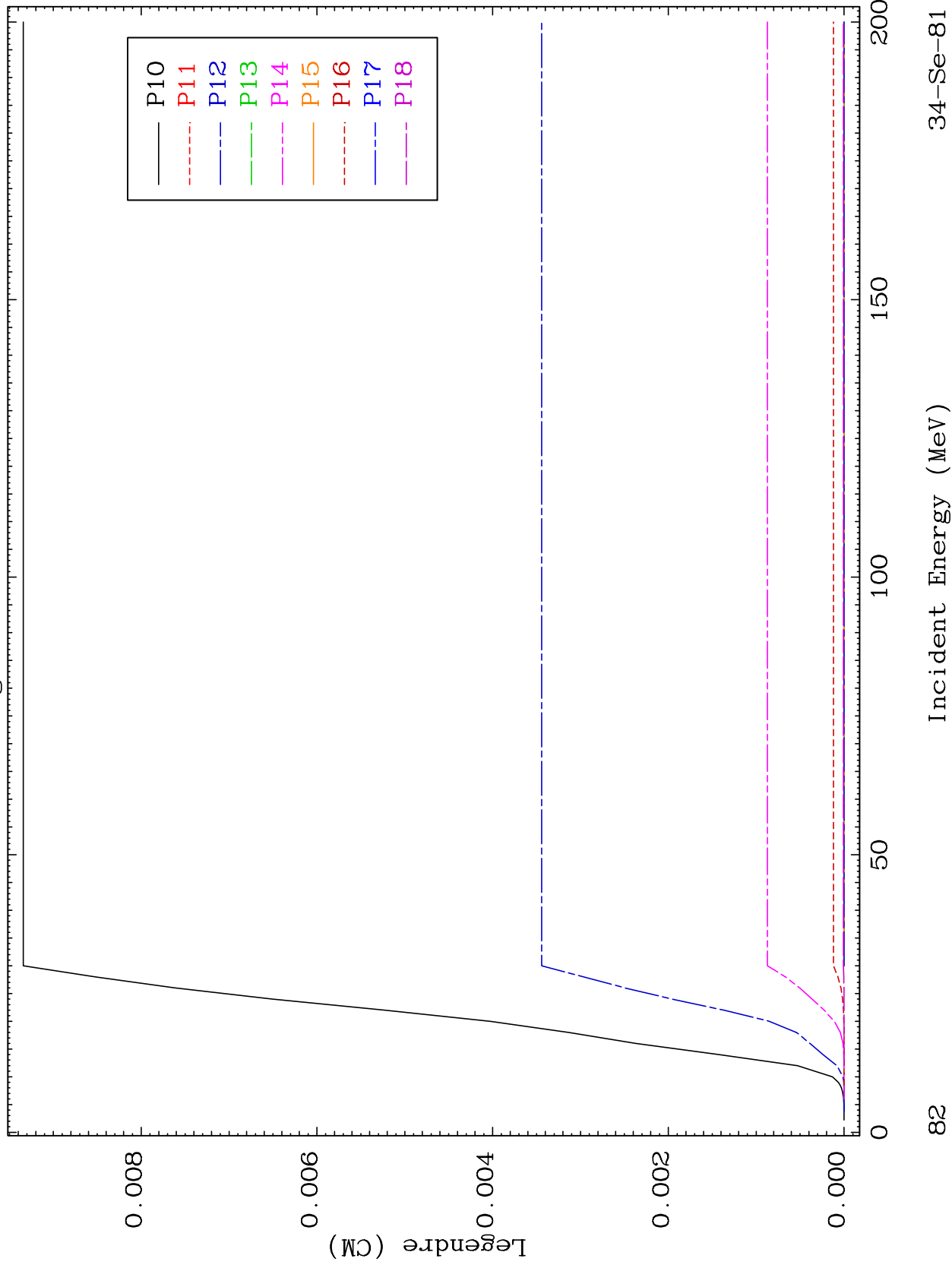




MAT 3446

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

<sup>34</sup>Se-81



82

Incident Energy (MeV)

<sup>34</sup>Se-81

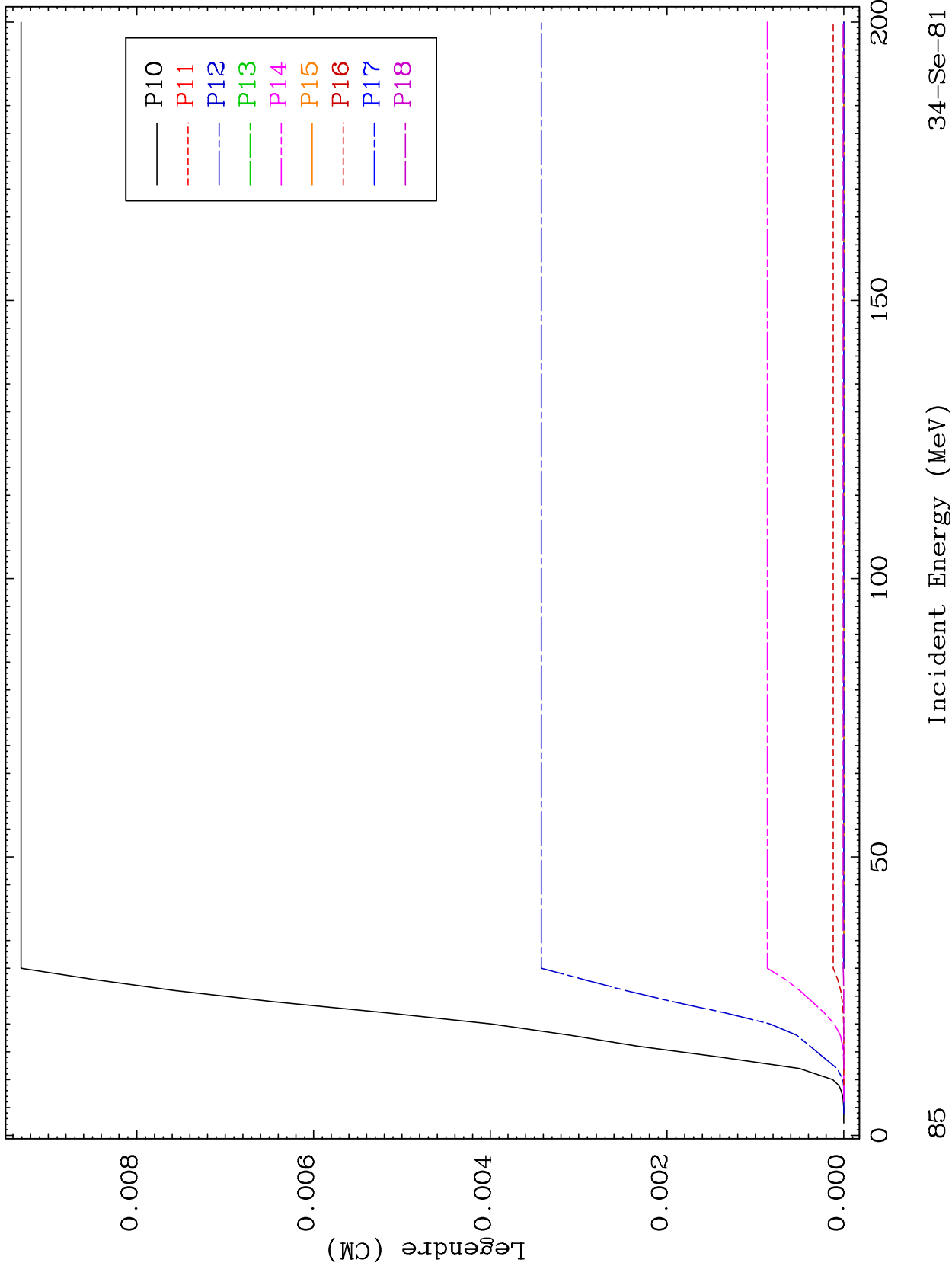




MAT 3446

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

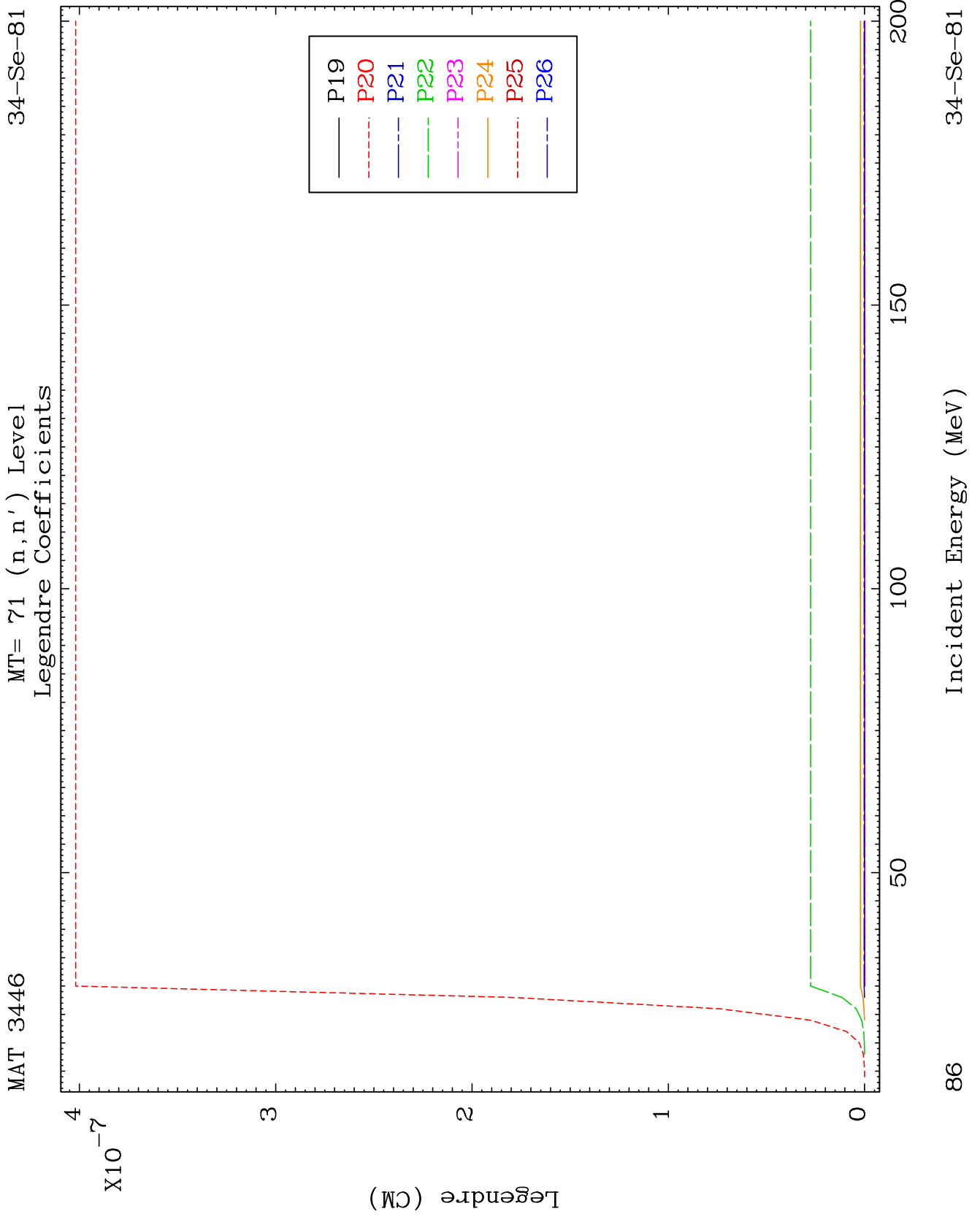
34-Se-81

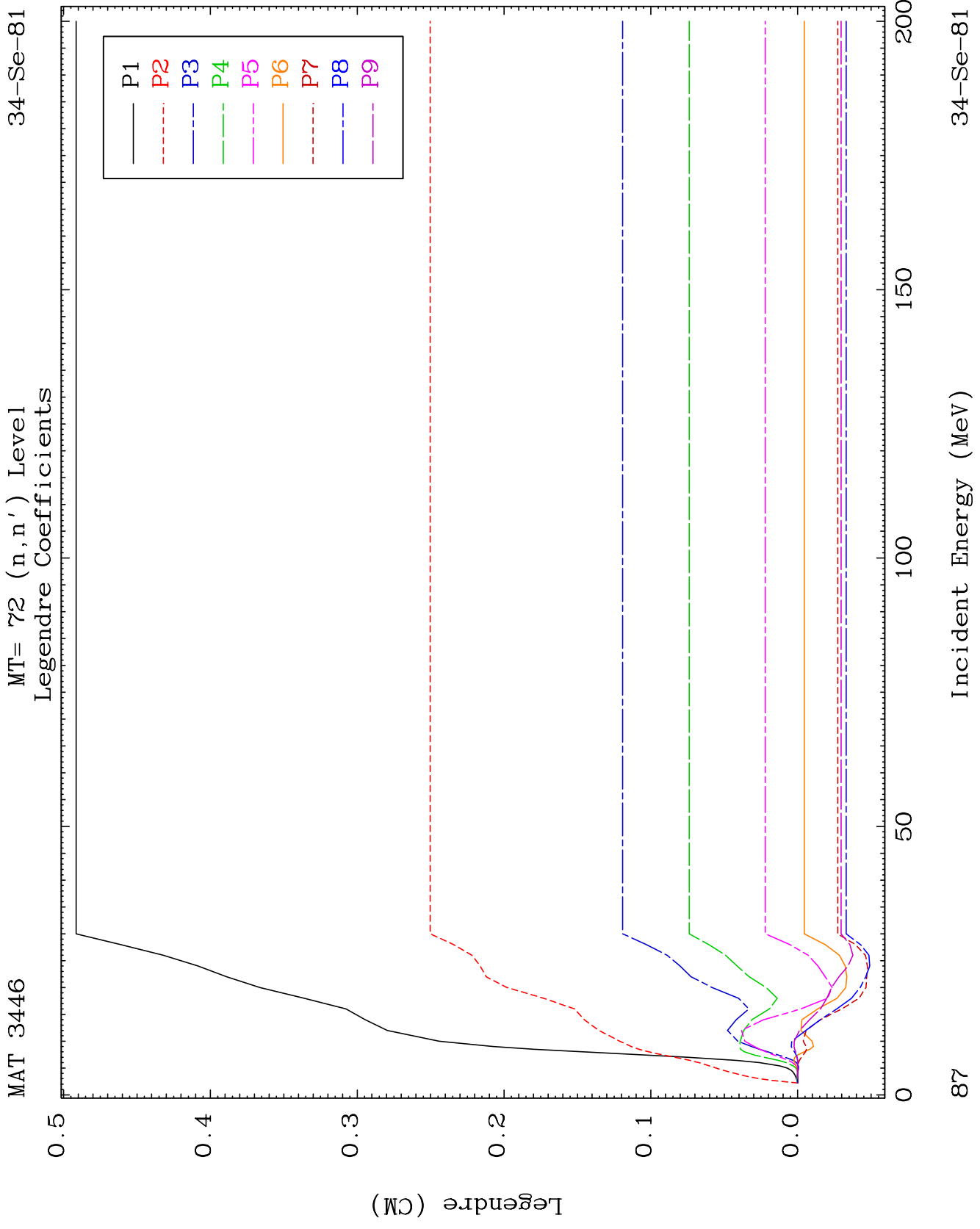


85

Incident Energy (MeV)

34-Se-81



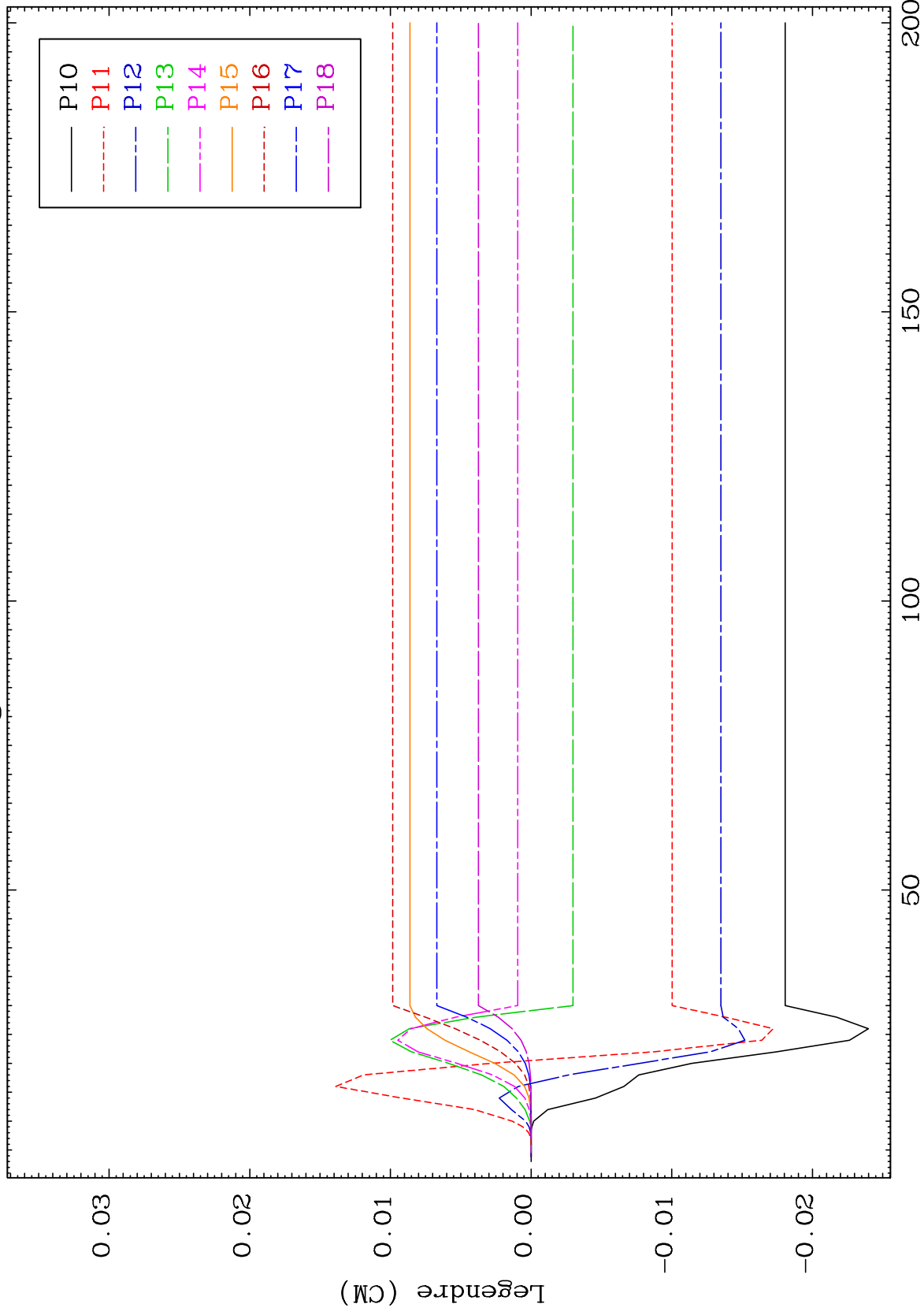




MAT 3446

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

<sup>34</sup>Se-81



88

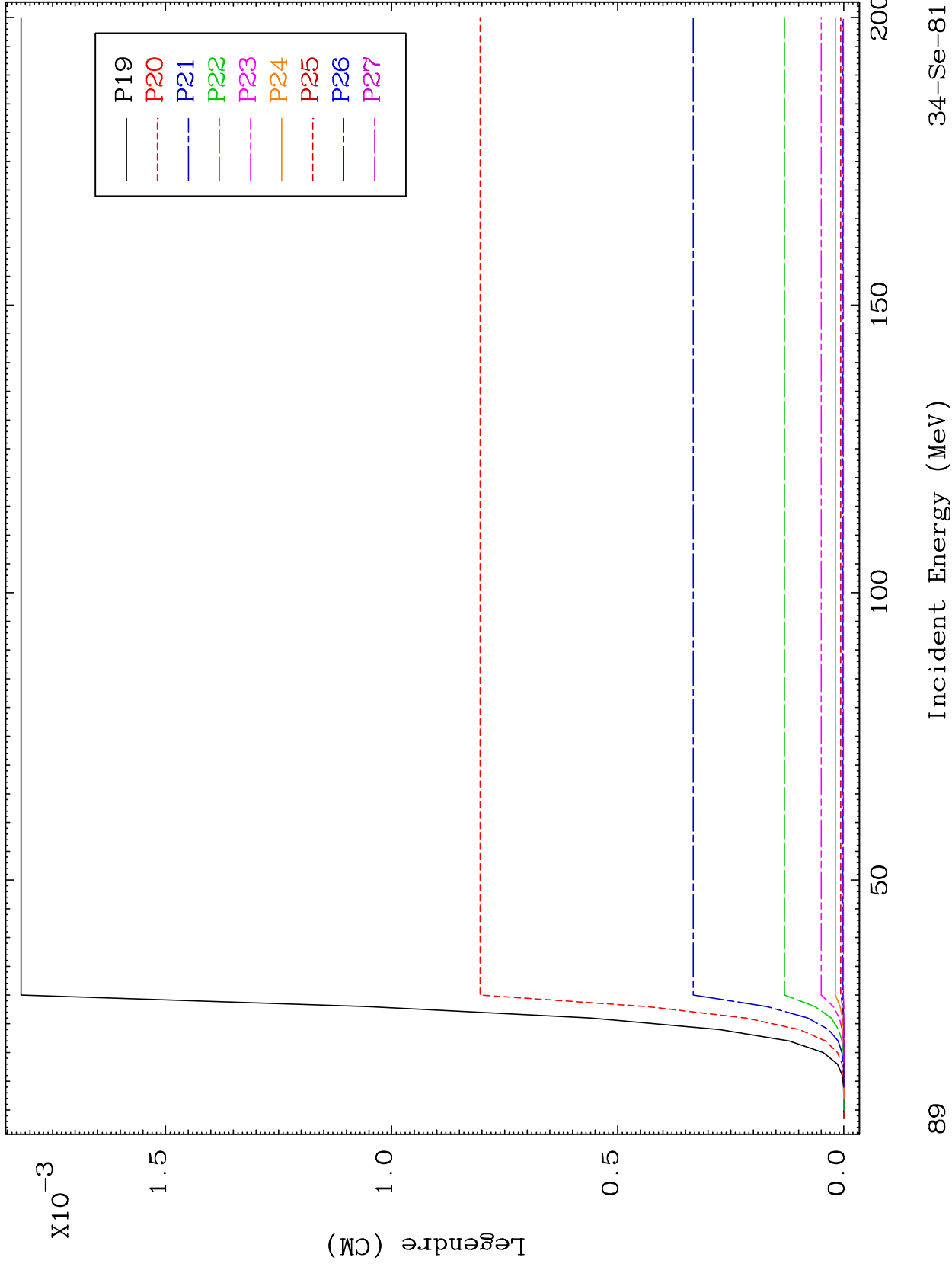
Incident Energy (MeV)

<sup>34</sup>Se-81

MAT 3446

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

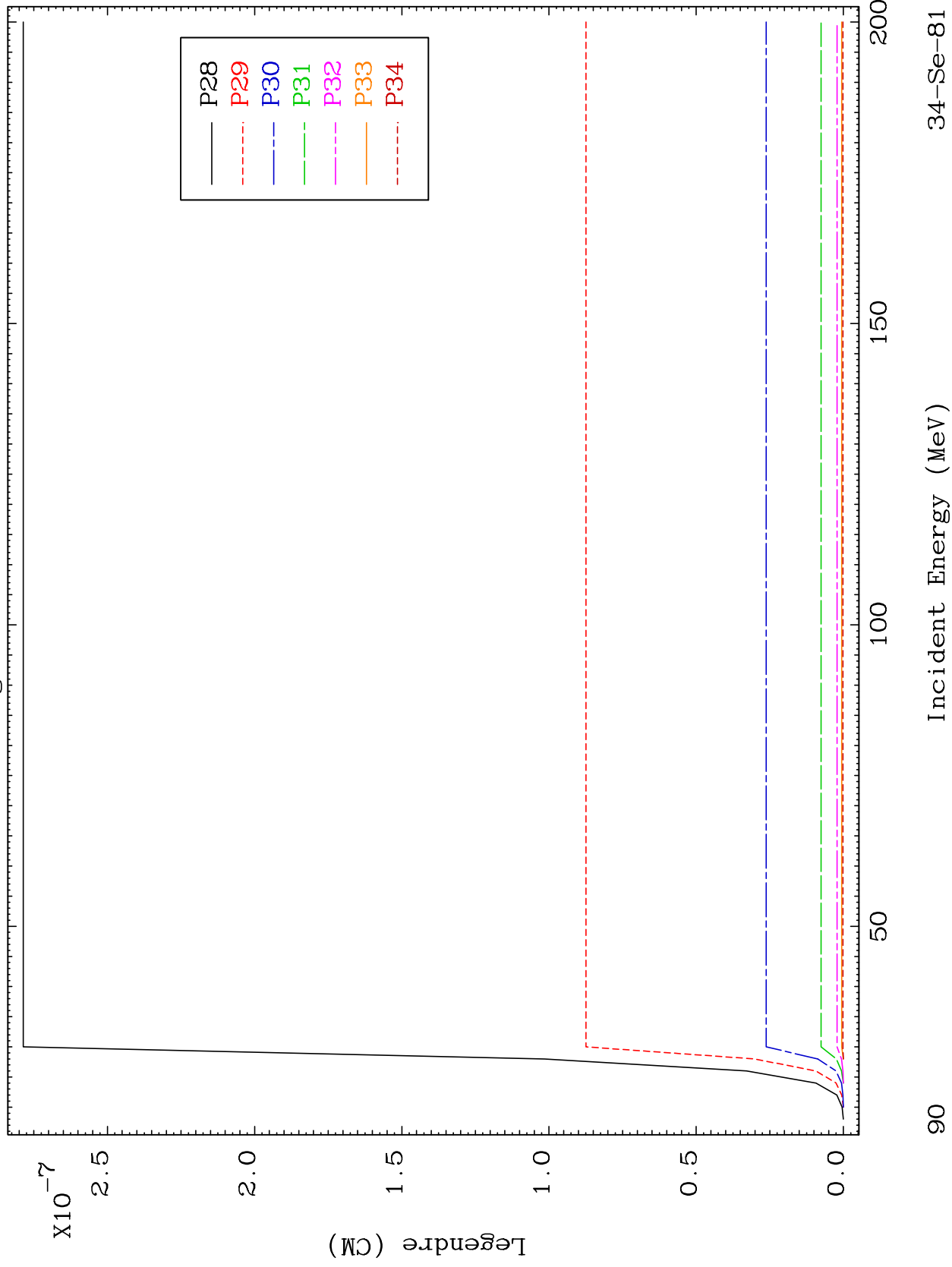
34-Se-81



MAT 3446

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

<sup>34</sup>Se-81

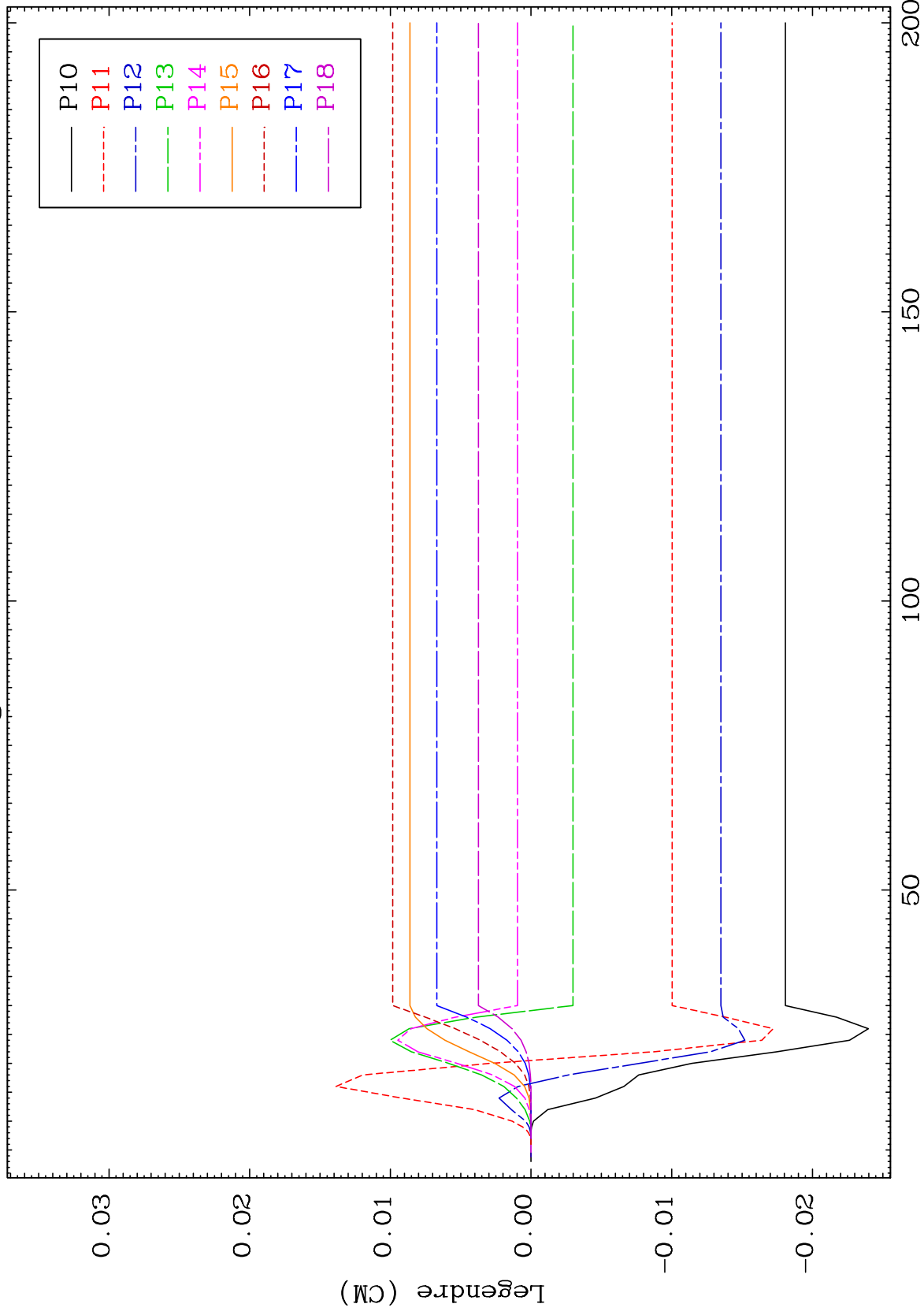




MAT 3446

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

<sup>34</sup>Se-81



92

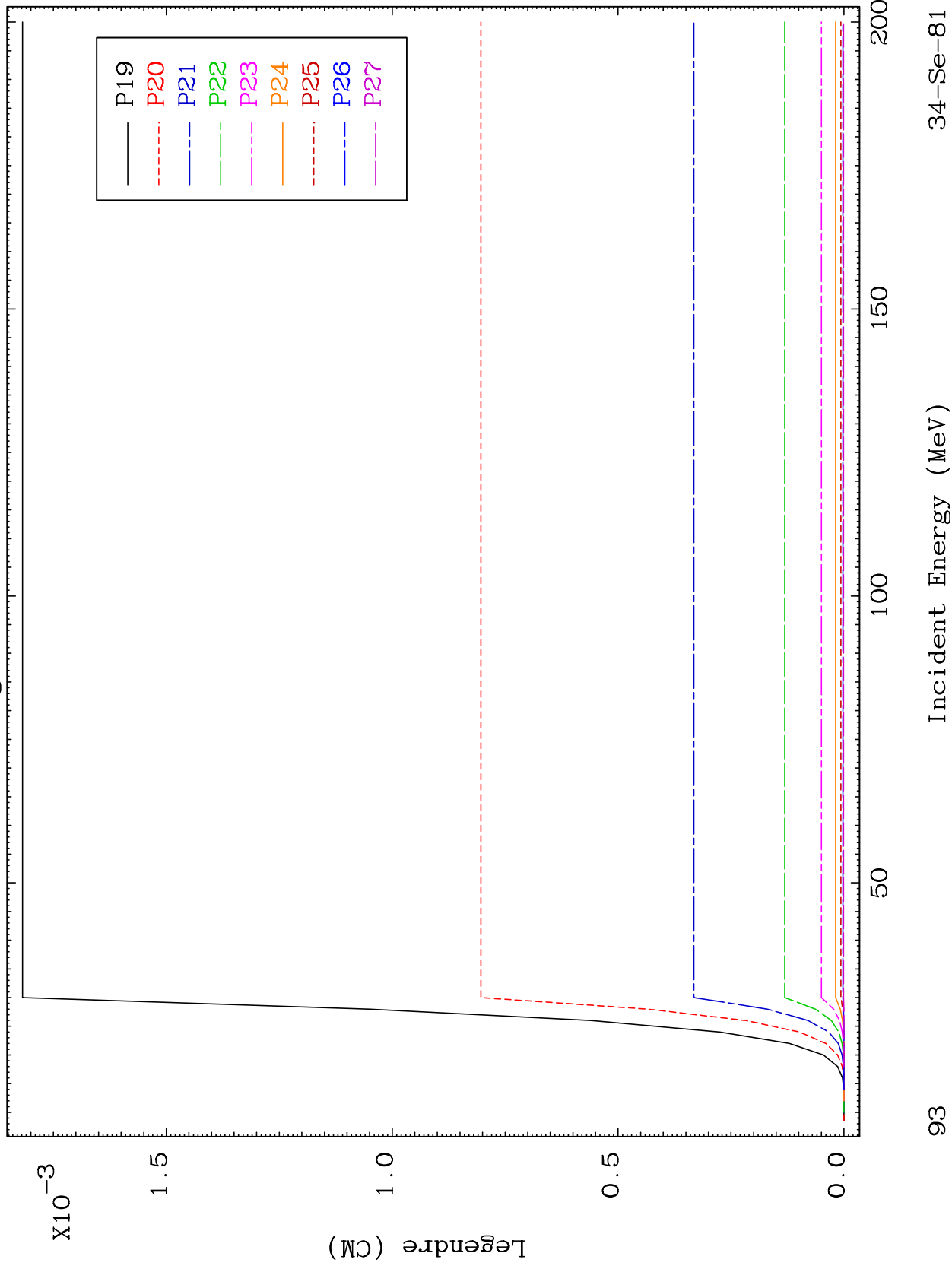
Incident Energy (MeV)

<sup>34</sup>Se-81

MAT 3446

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

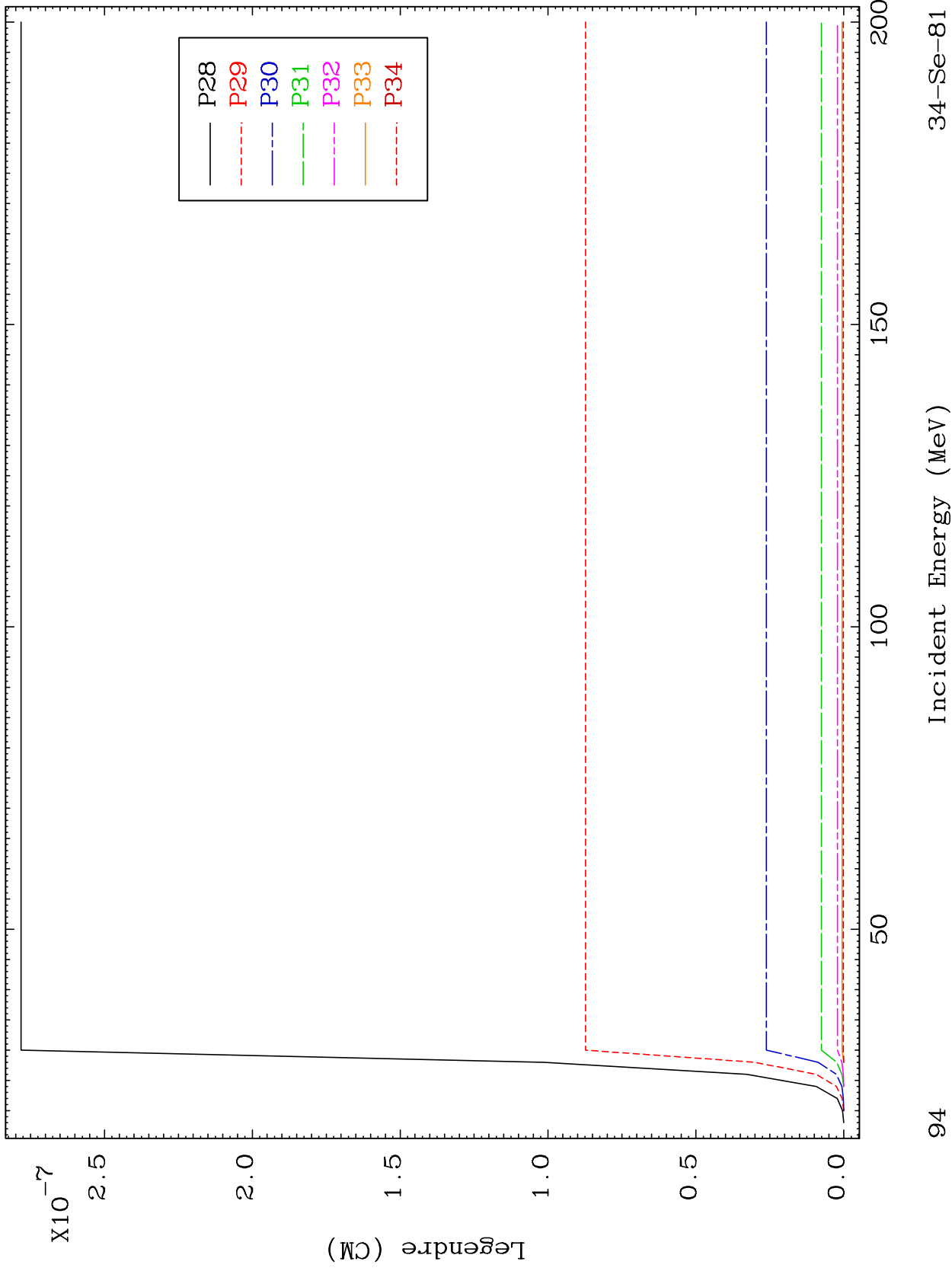
34-Se-81

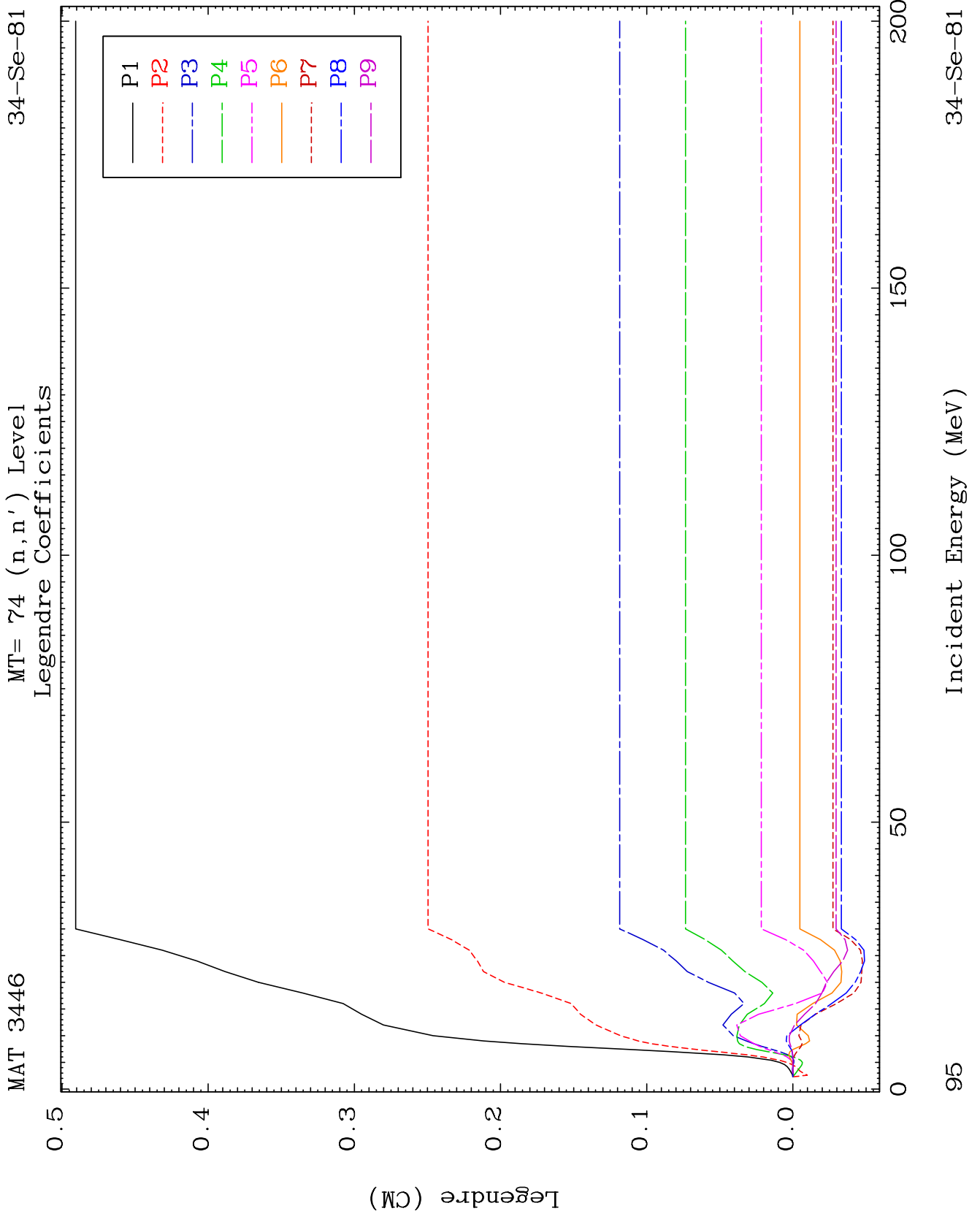


MAT 3446

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

34-Se-81



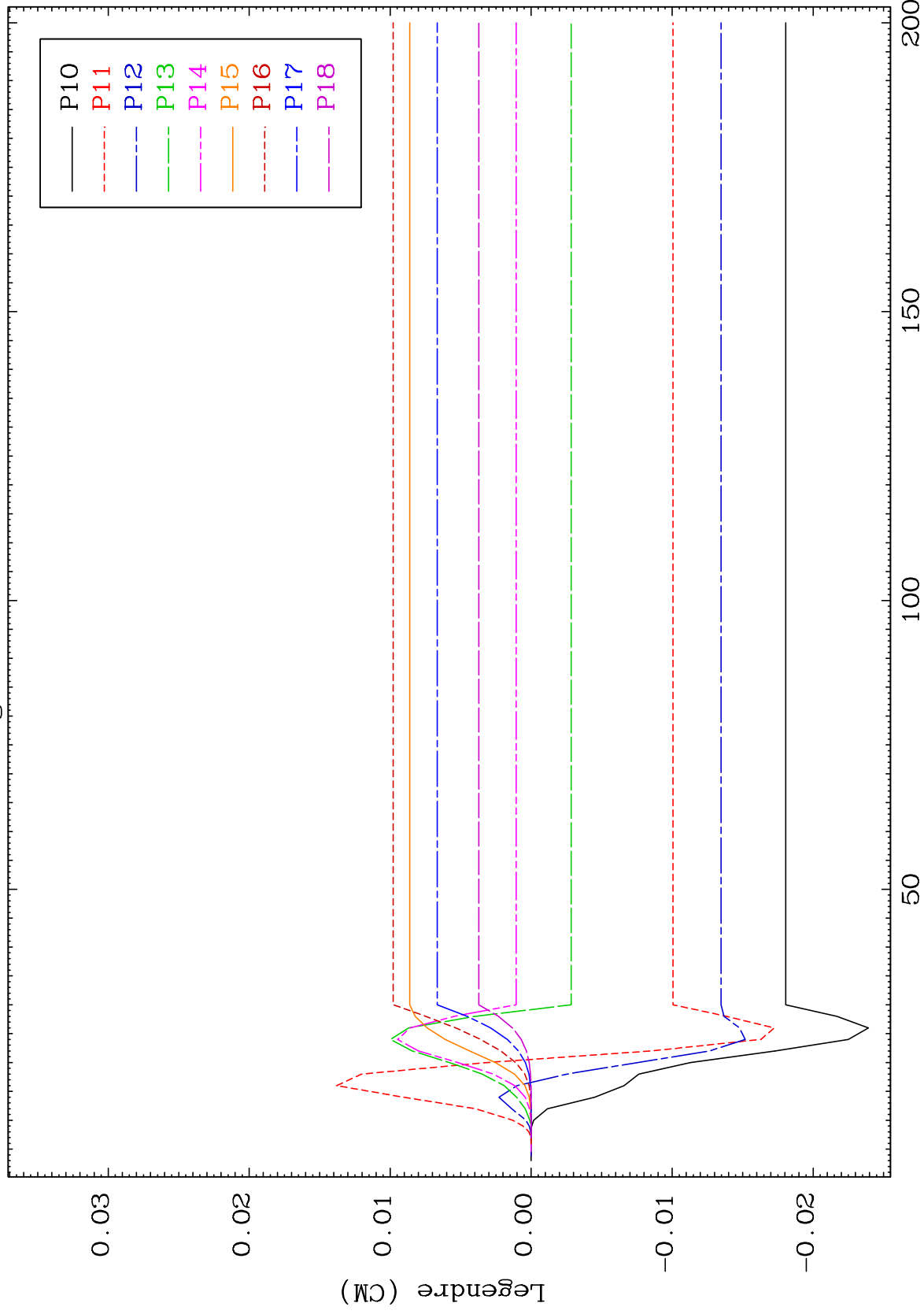




MAT 3446

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

<sup>34</sup>Se-81



96

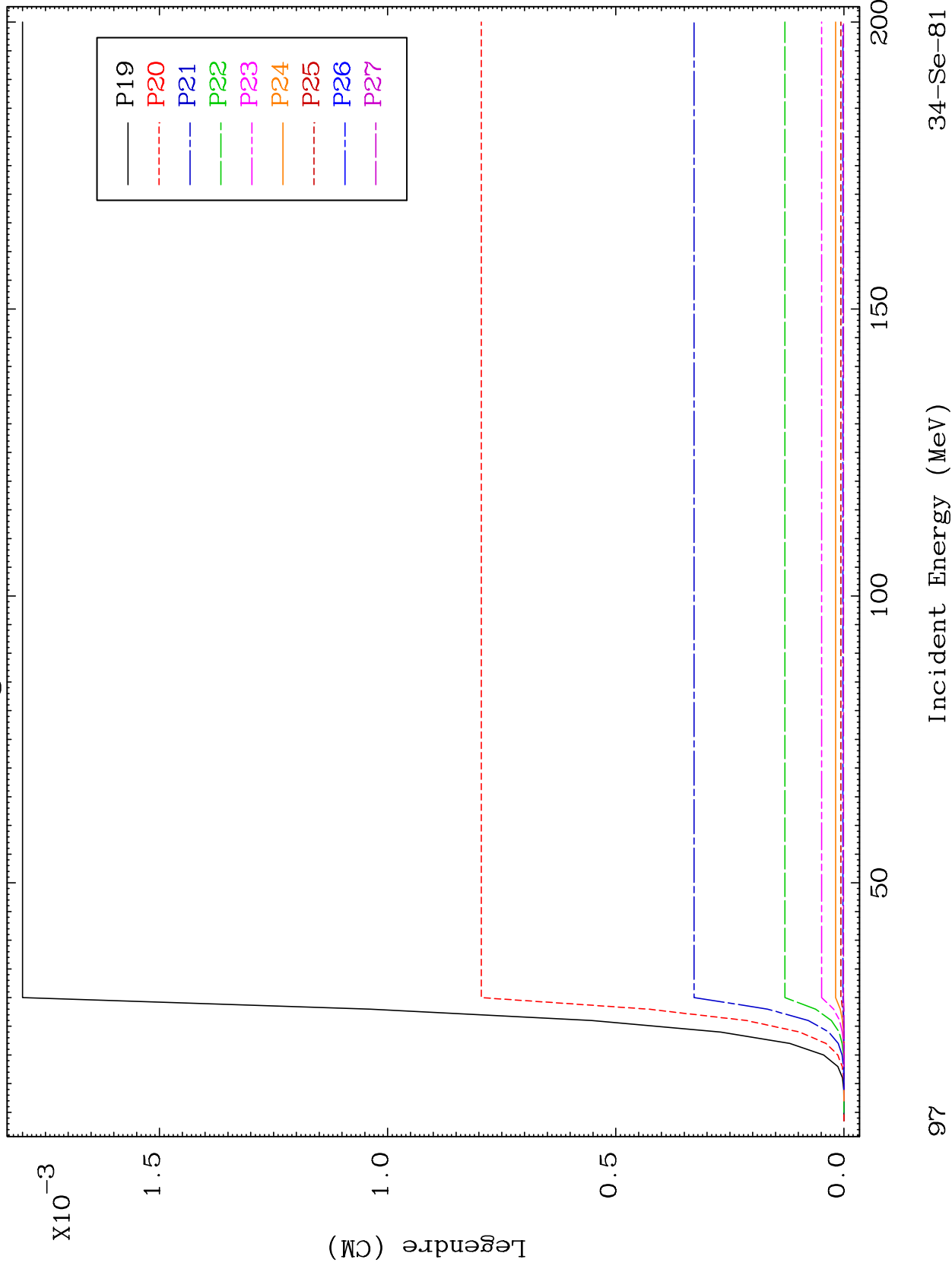
Incident Energy (MeV)

<sup>34</sup>Se-81

MAT 3446

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

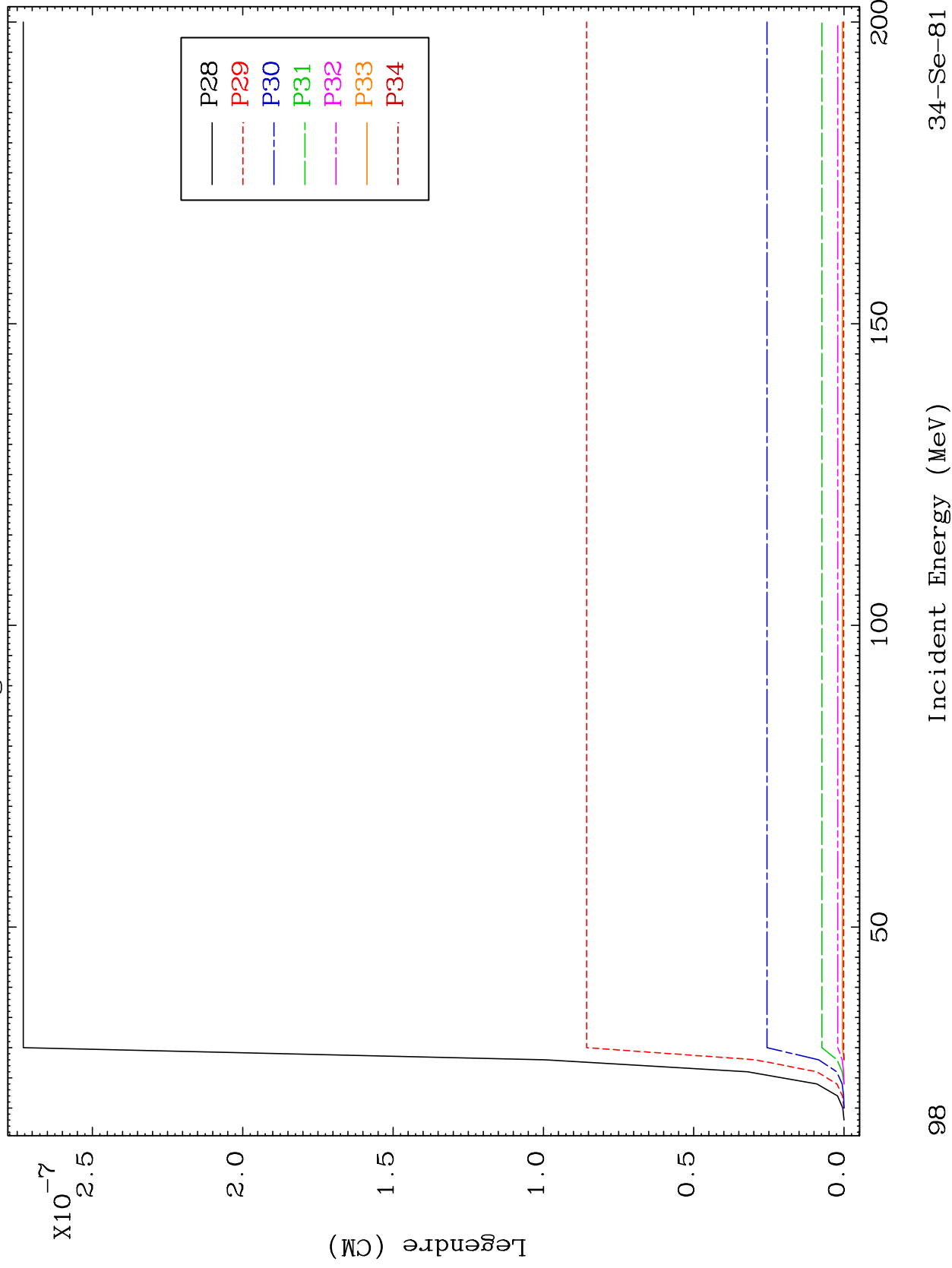
34-Se-81



MAT 3446

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

34-Se-81

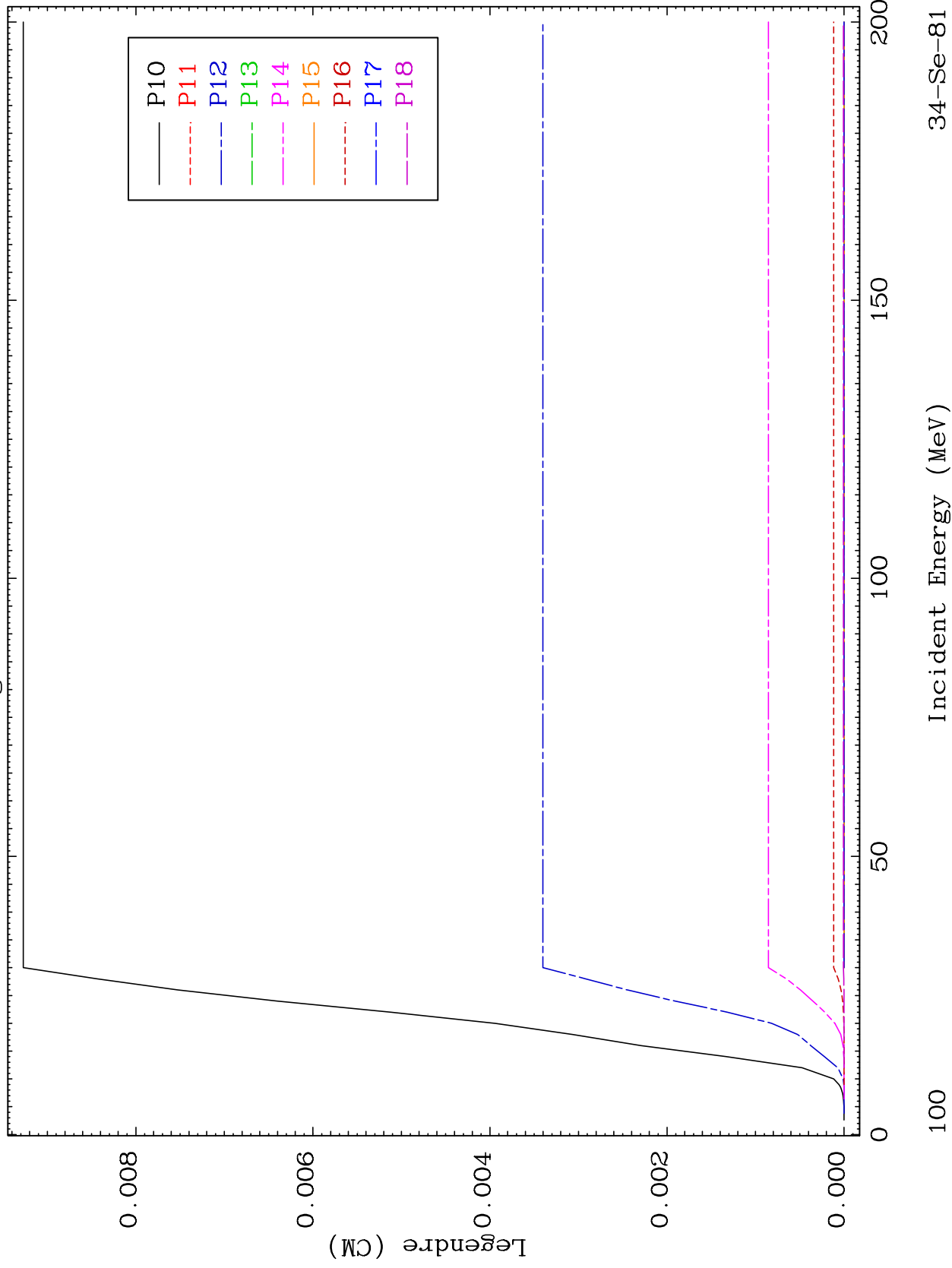


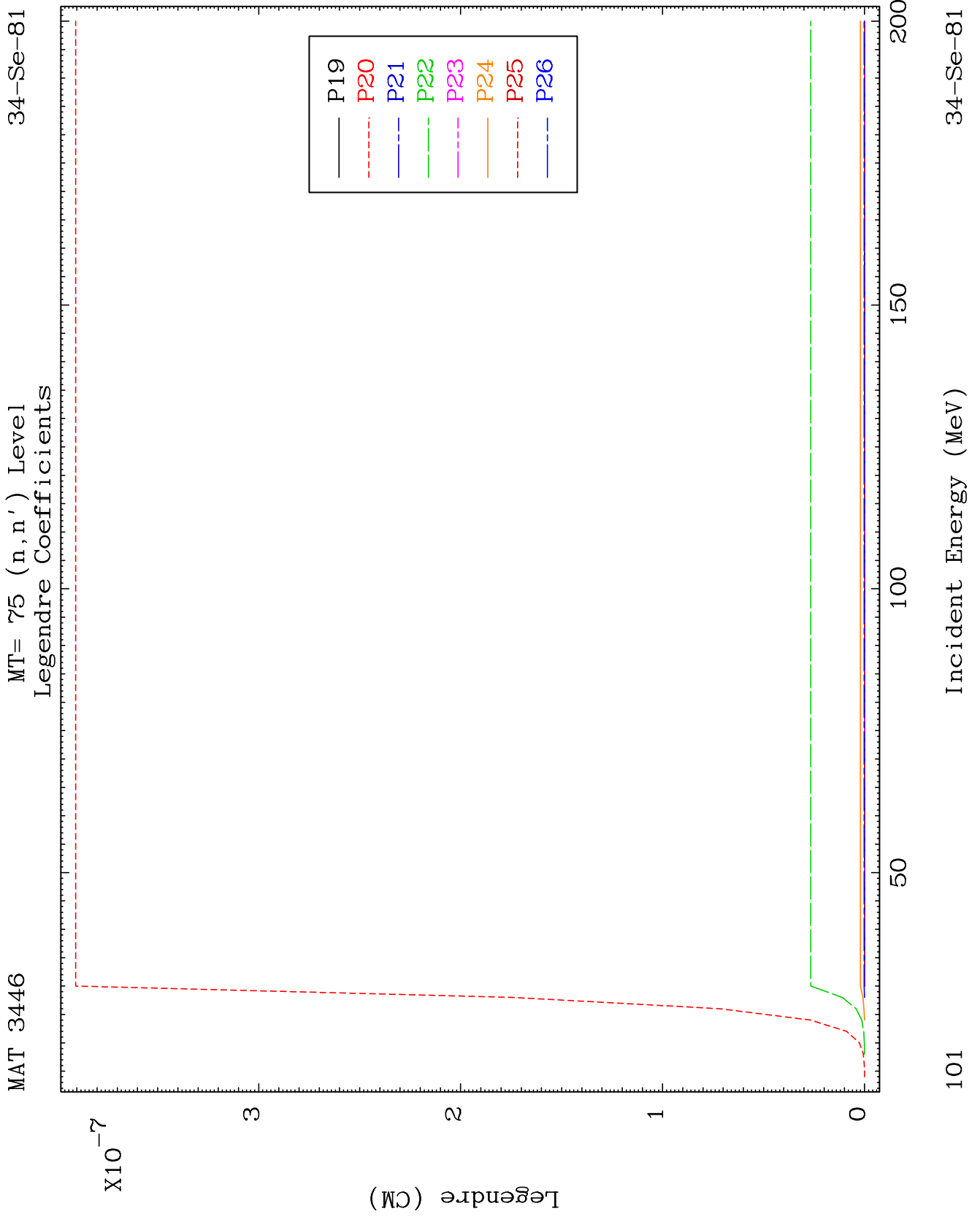


MAT 3446

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

34-Se-81



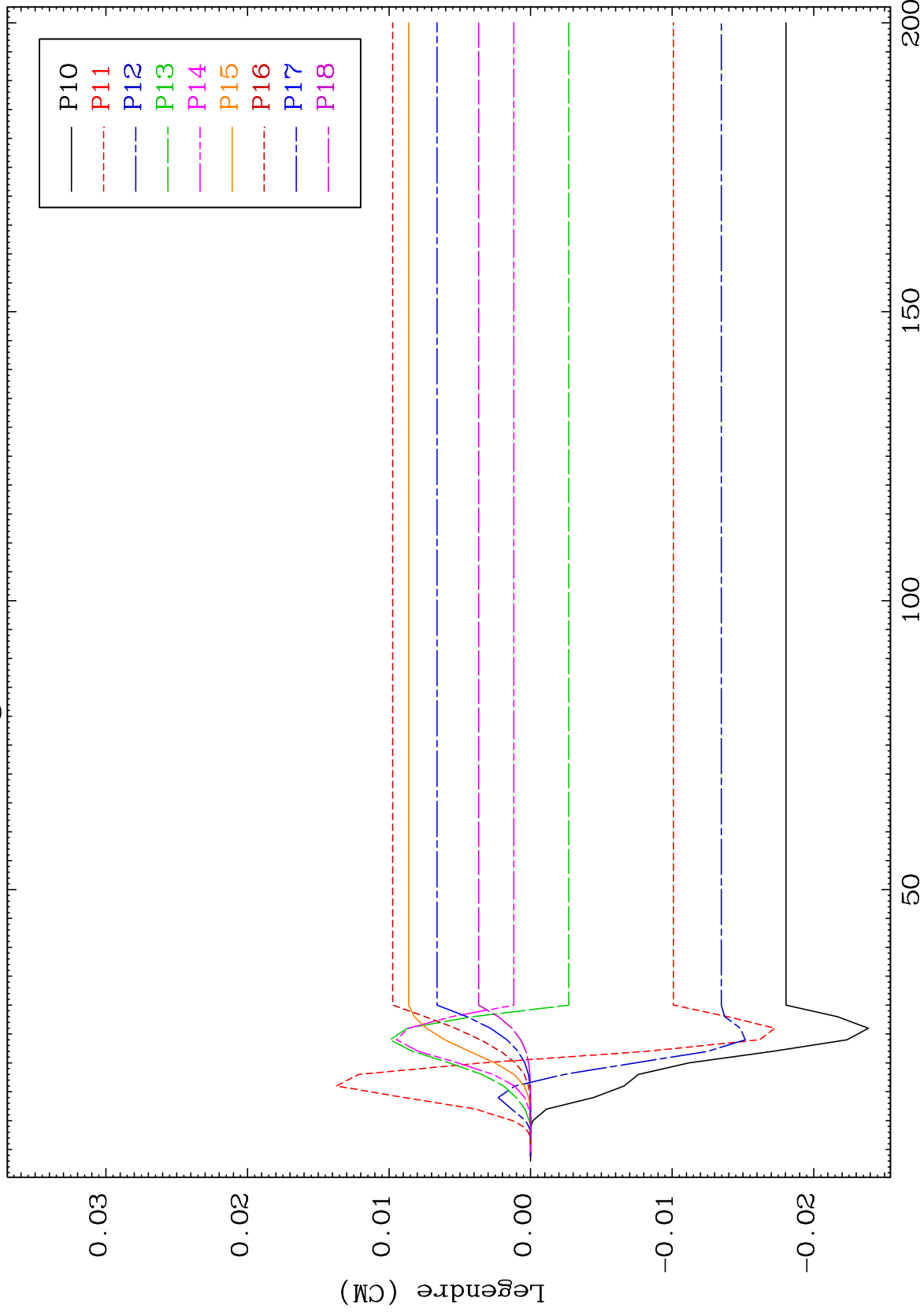




MAT 3446

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

<sup>34</sup>Se-81



103

Incident Energy (MeV)

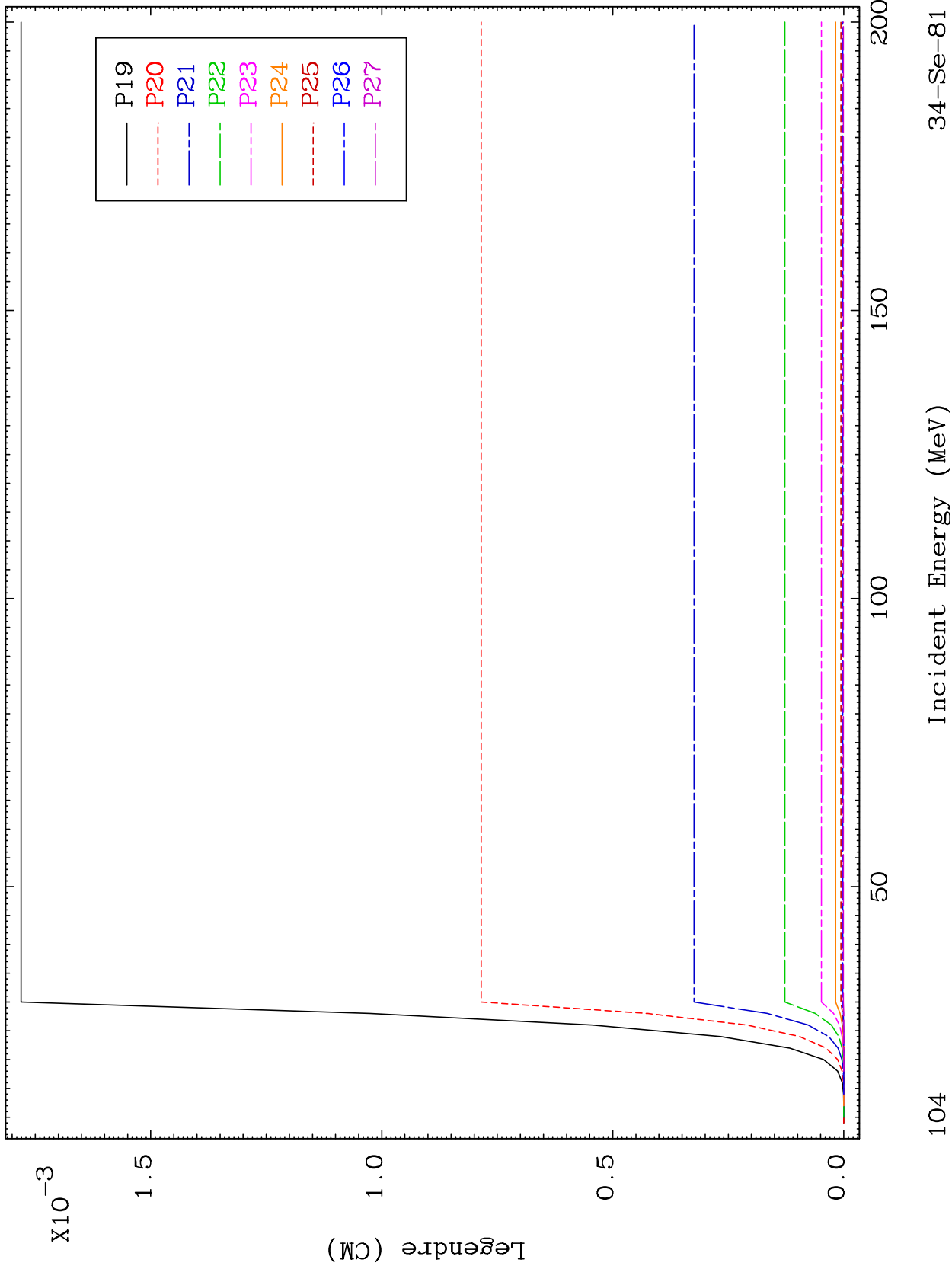
<sup>34</sup>Se-81



MAT 3446

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

34-Se-81



104

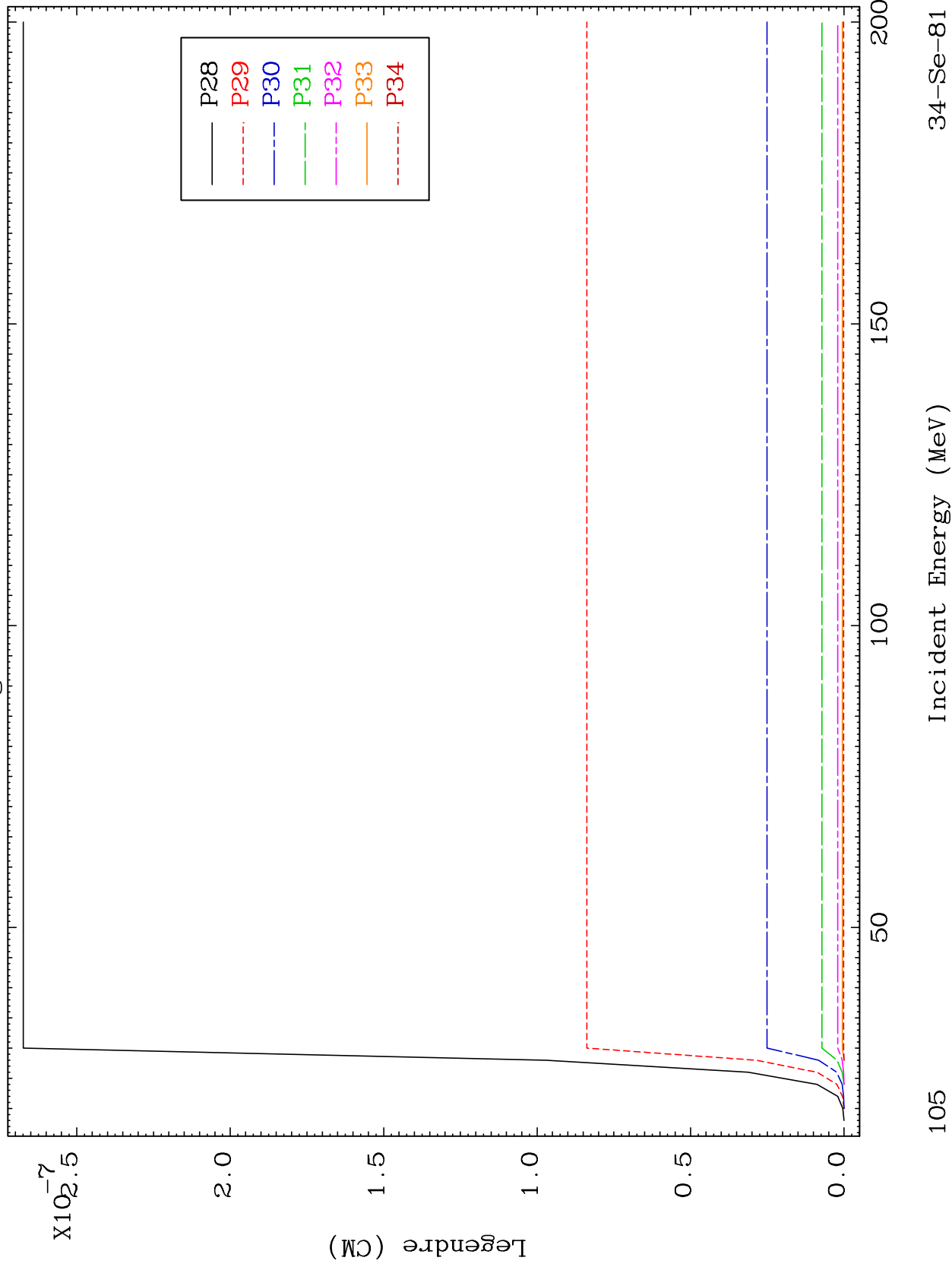
Incident Energy (MeV)

34-Se-81

MAT 3446

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

34-Se-81



105

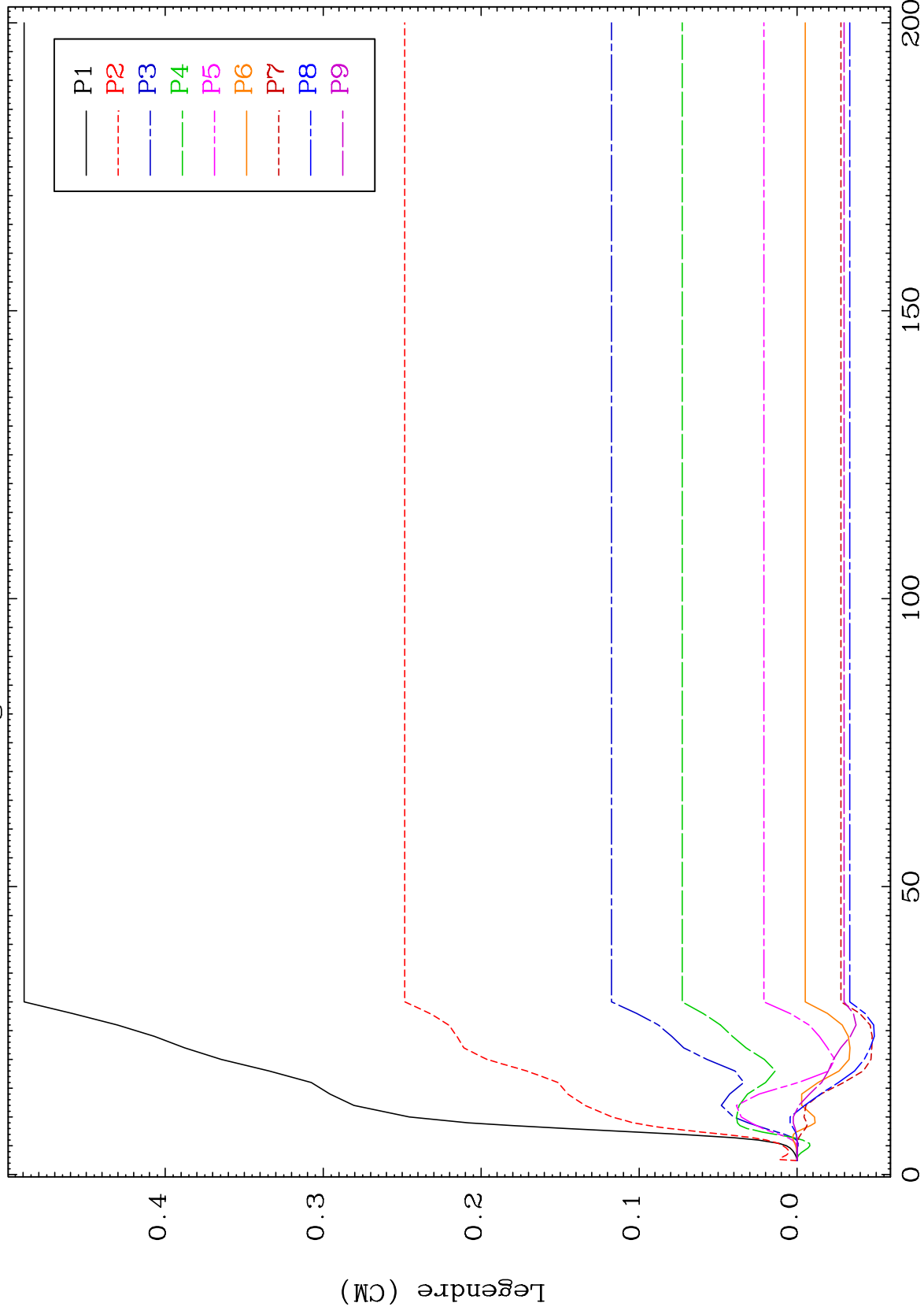
Incident Energy (MeV)

34-Se-81

MAT 3446

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

<sup>34</sup>Se-81



106

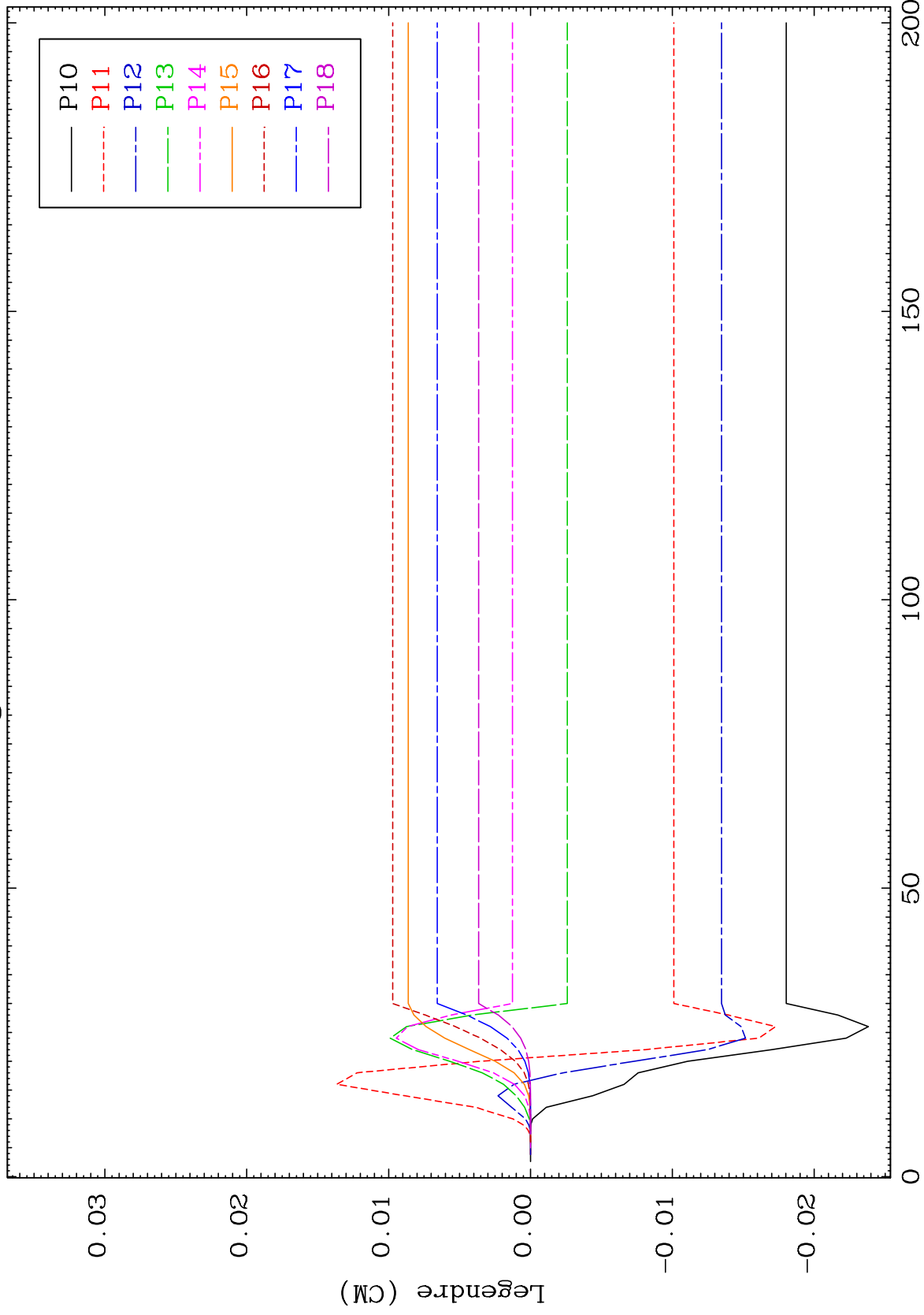
Incident Energy (MeV)

<sup>34</sup>Se-81

MAT 3446

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

34-Se-81



107

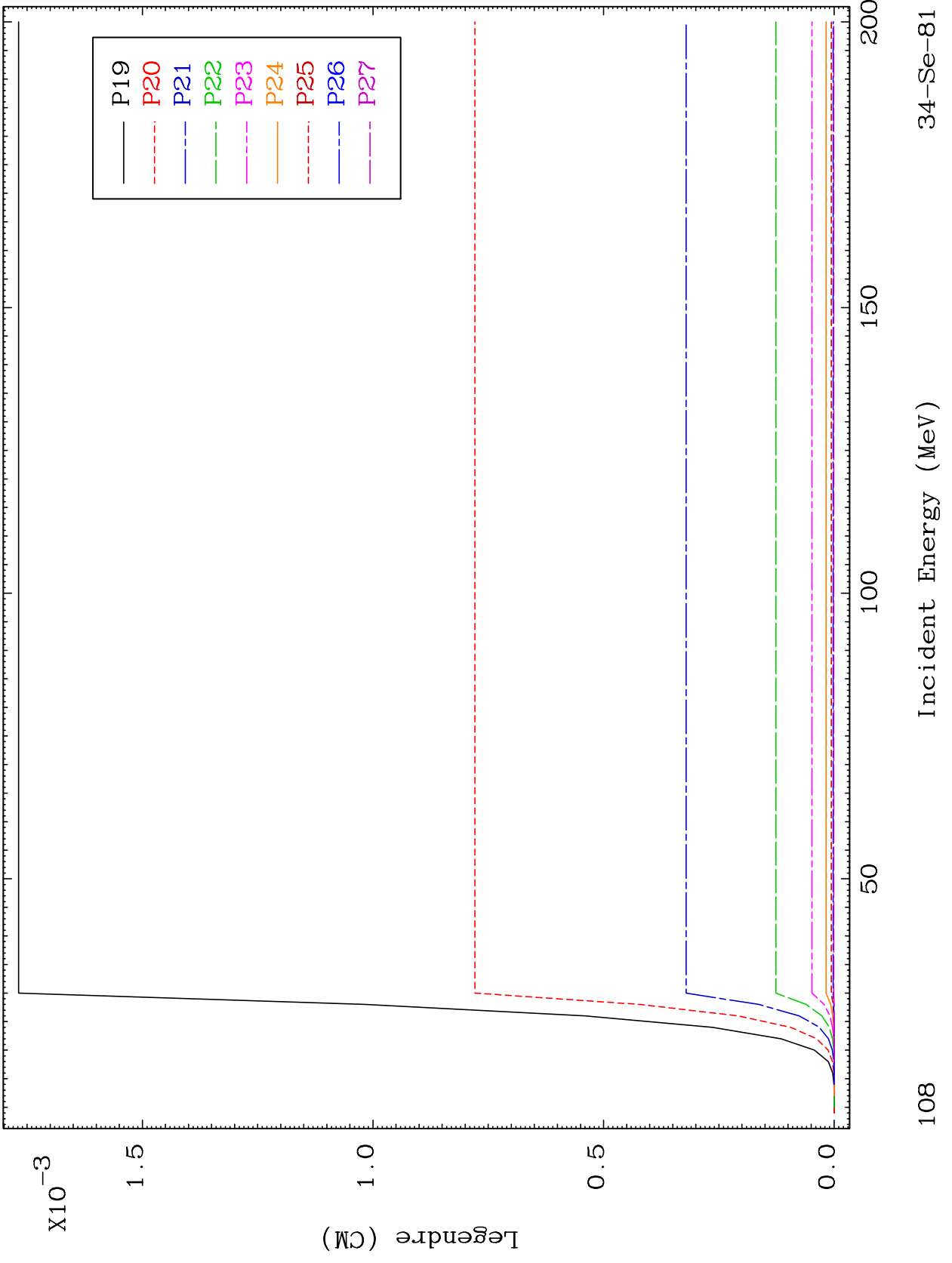
Incident Energy (MeV)

34-Se-81

MAT 3446

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

34-Se-81



108

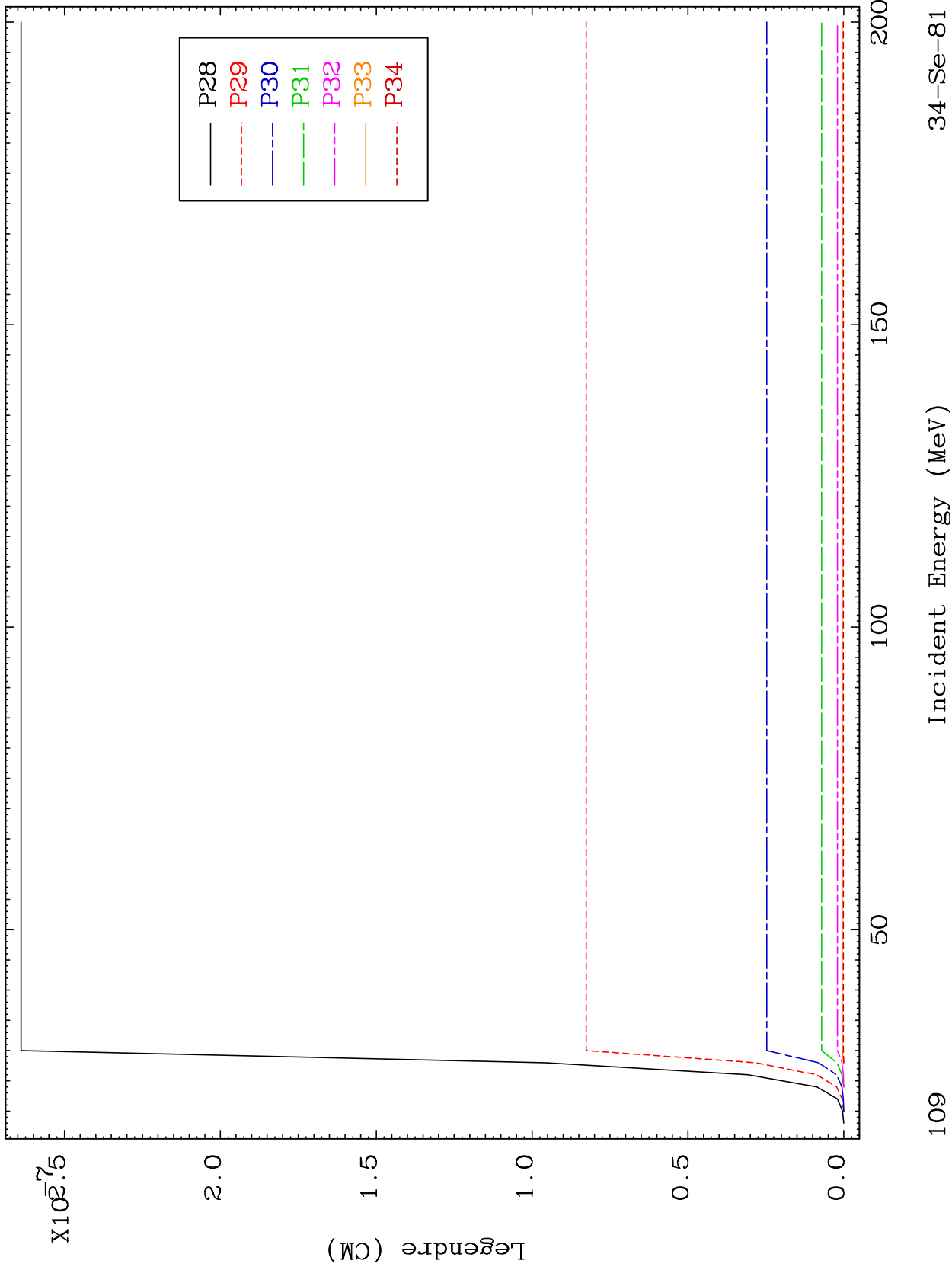
Incident Energy (MeV)

34-Se-81

MAT 3446

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

34-Se-81

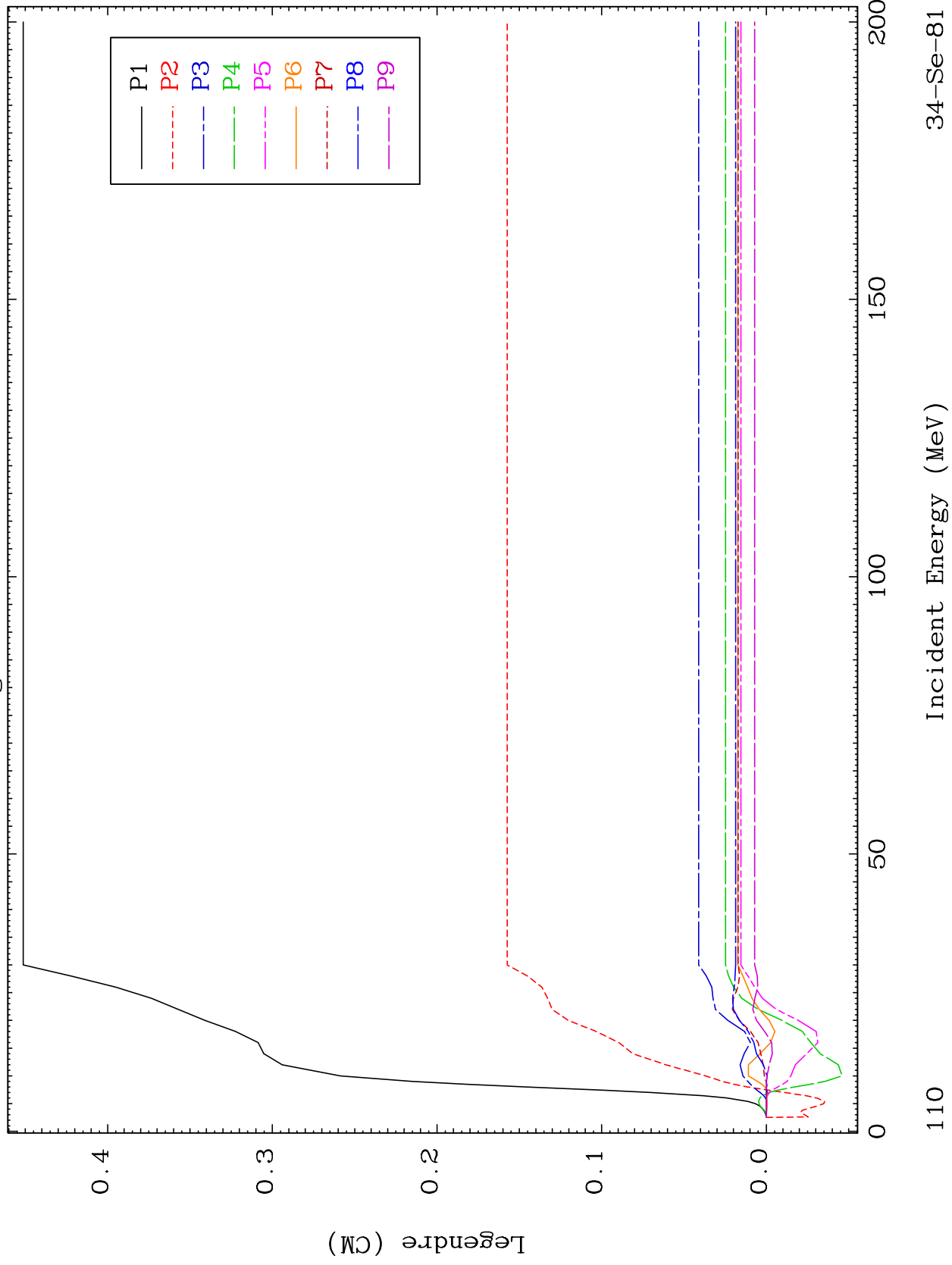


109

MAT 3446

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

<sup>34</sup>Se-81

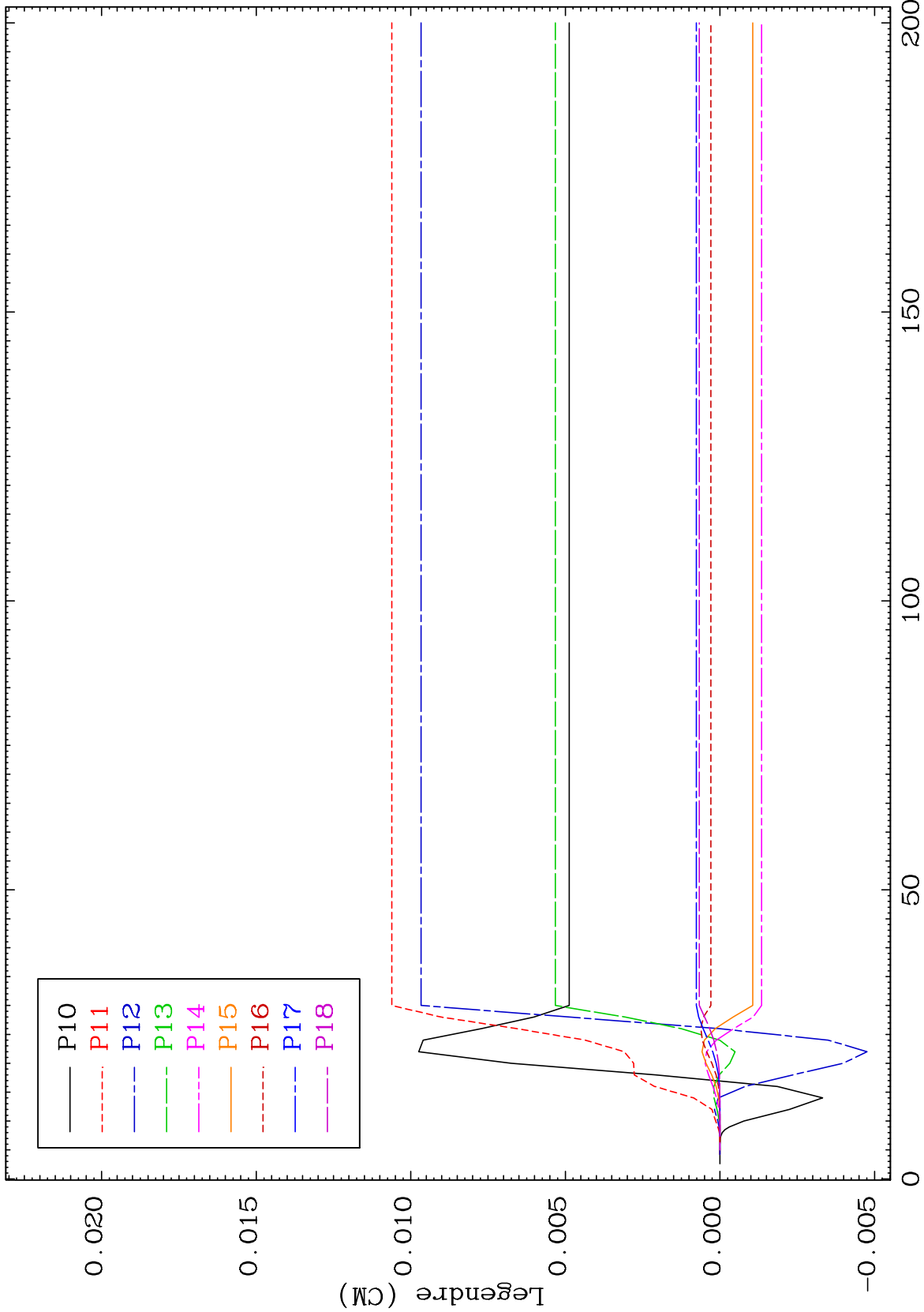


<sup>34</sup>Se-81

MAT 3446

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

34-Se-81



111

Incident Energy (MeV)

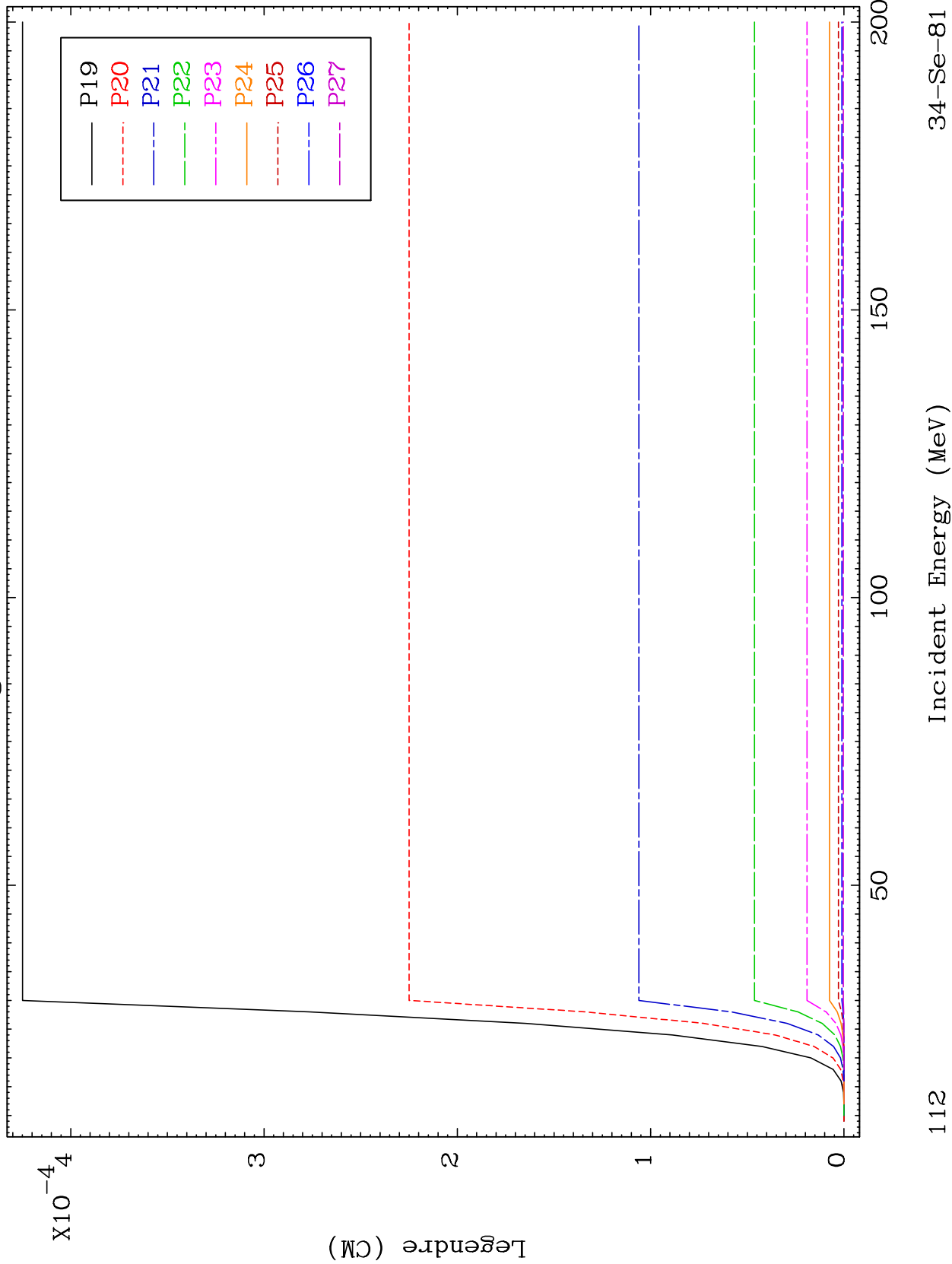
34-Se-81



MAT 3446

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

34-Se-81



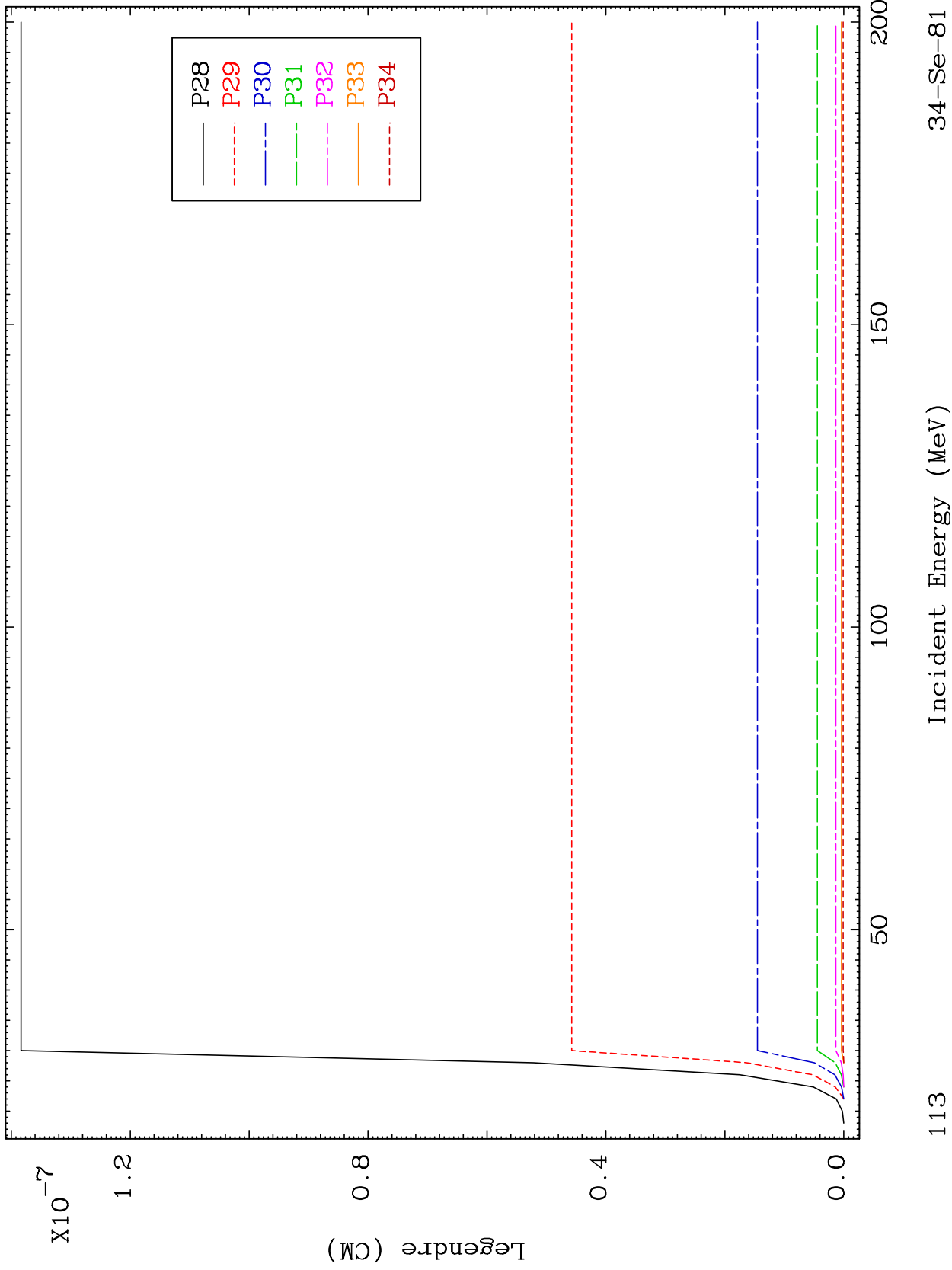
112

34-Se-81

MAT 3446

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

34-Se-81



113

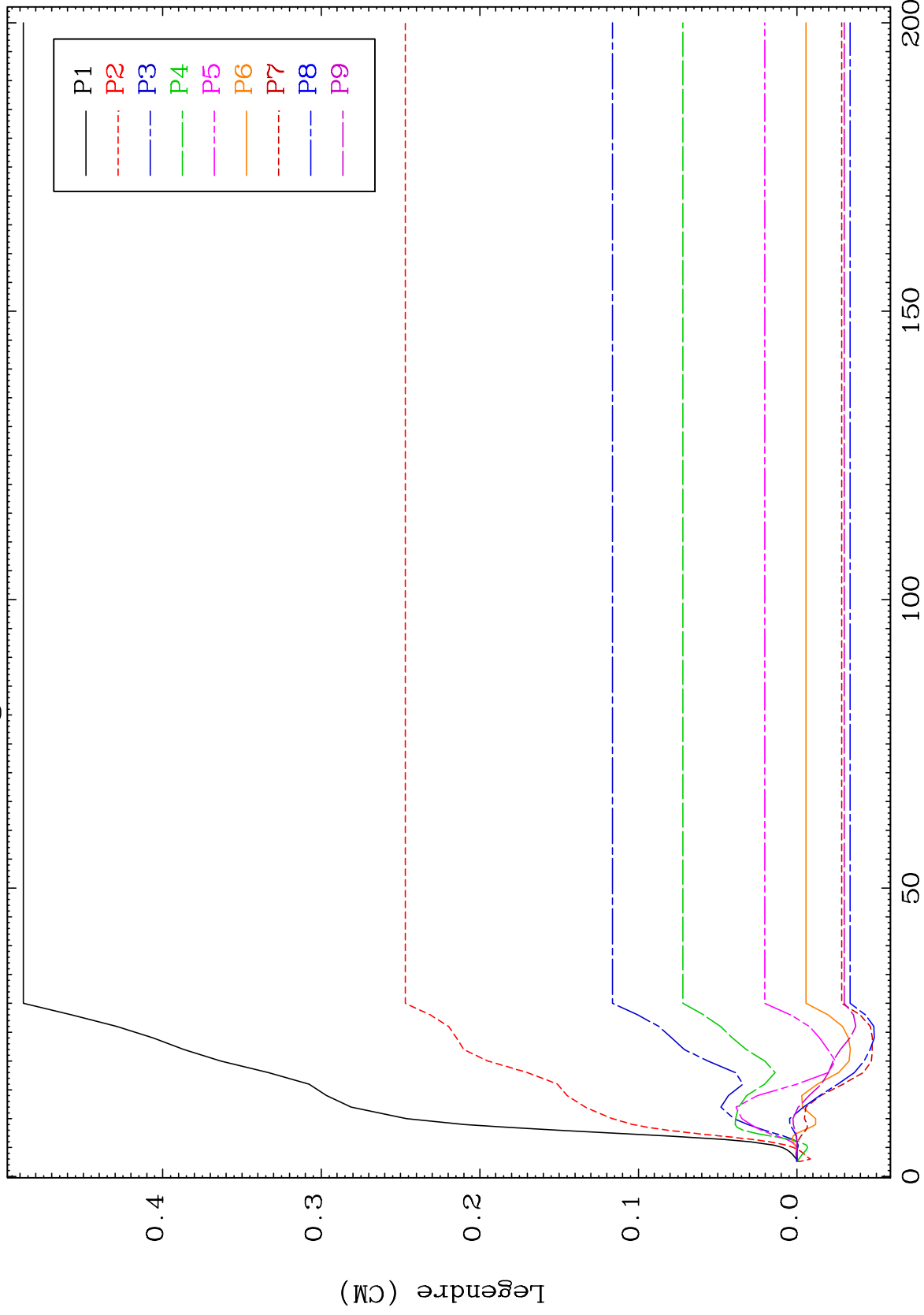
Incident Energy (MeV)

34-Se-81

MAT 3446

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

34-Se-81



34-Se-81

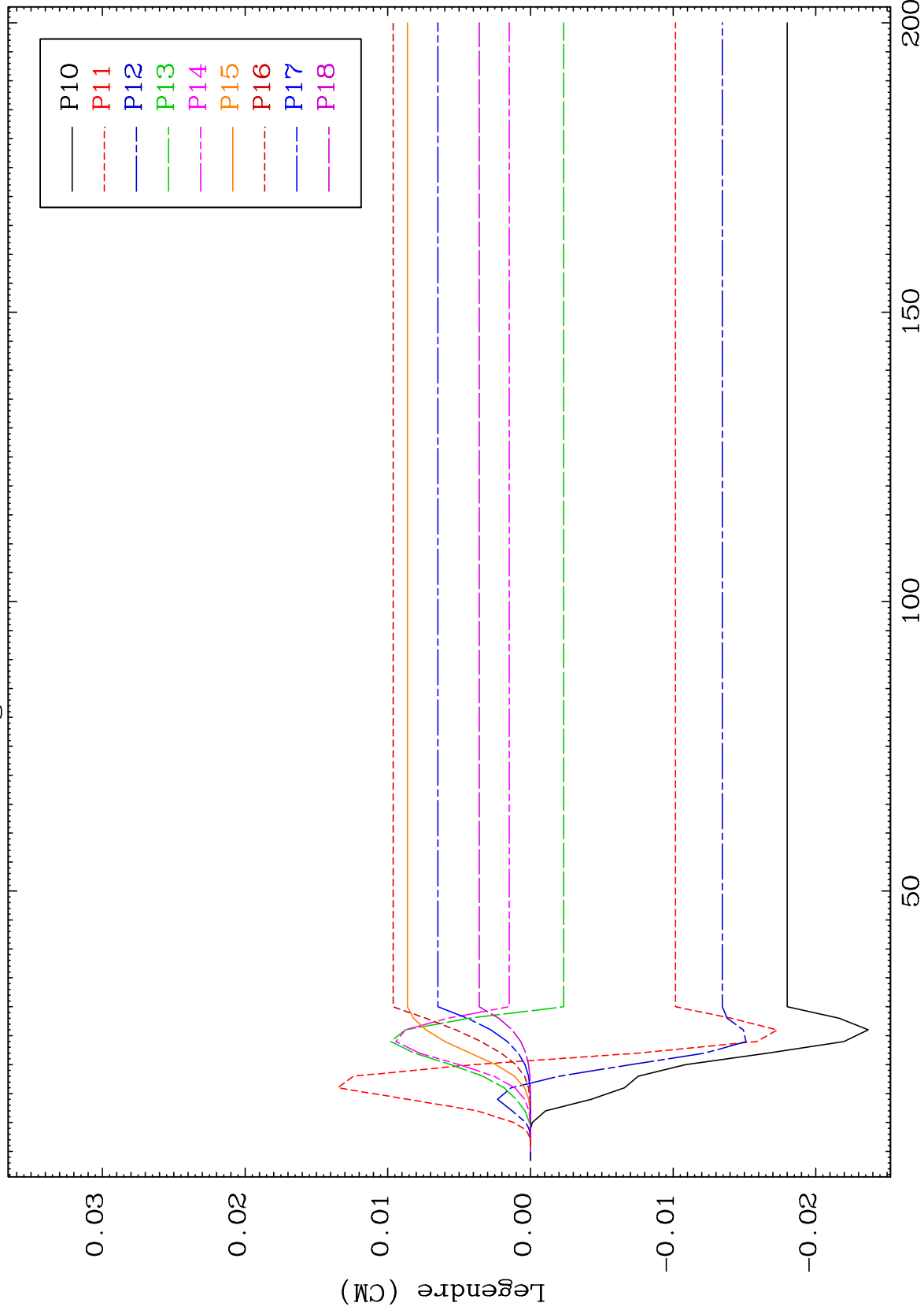
Incident Energy (MeV)

114

MAT 3446

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

34-Se-81



115

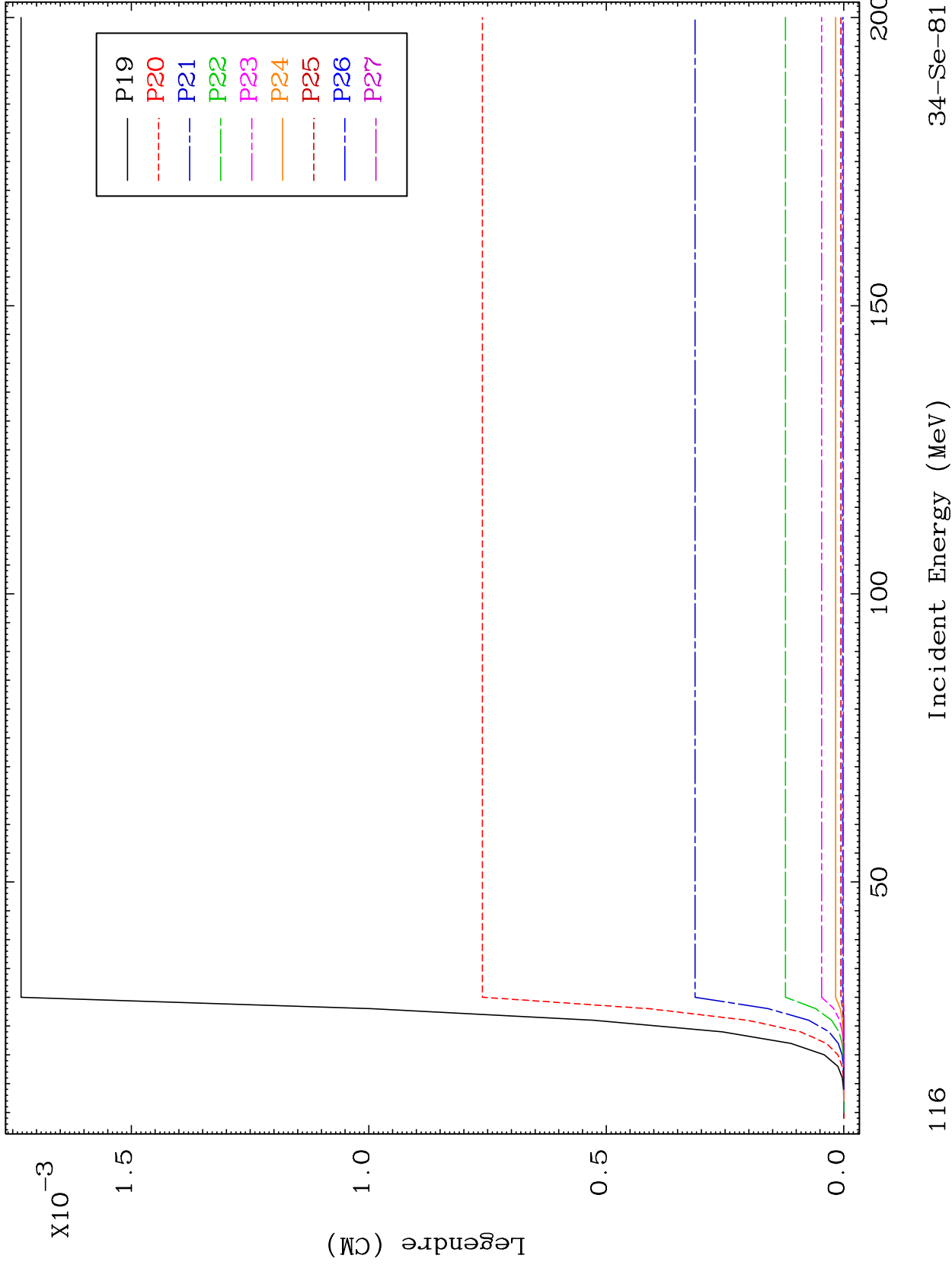
Incident Energy (MeV)

34-Se-81

MAT 3446

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

34-Se-81



116

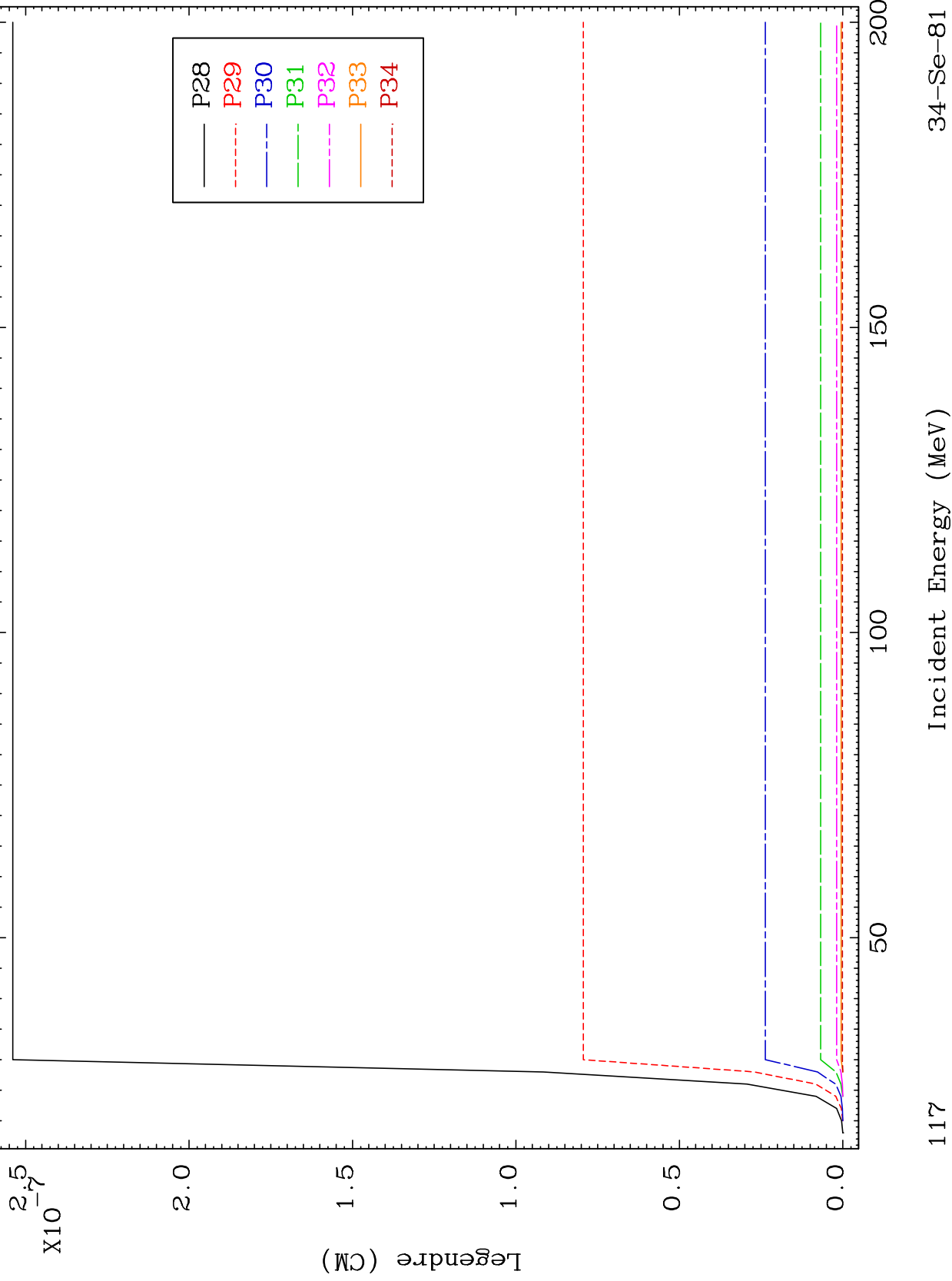
Incident Energy (MeV)

34-Se-81

MAT 3446

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

34-Se-81



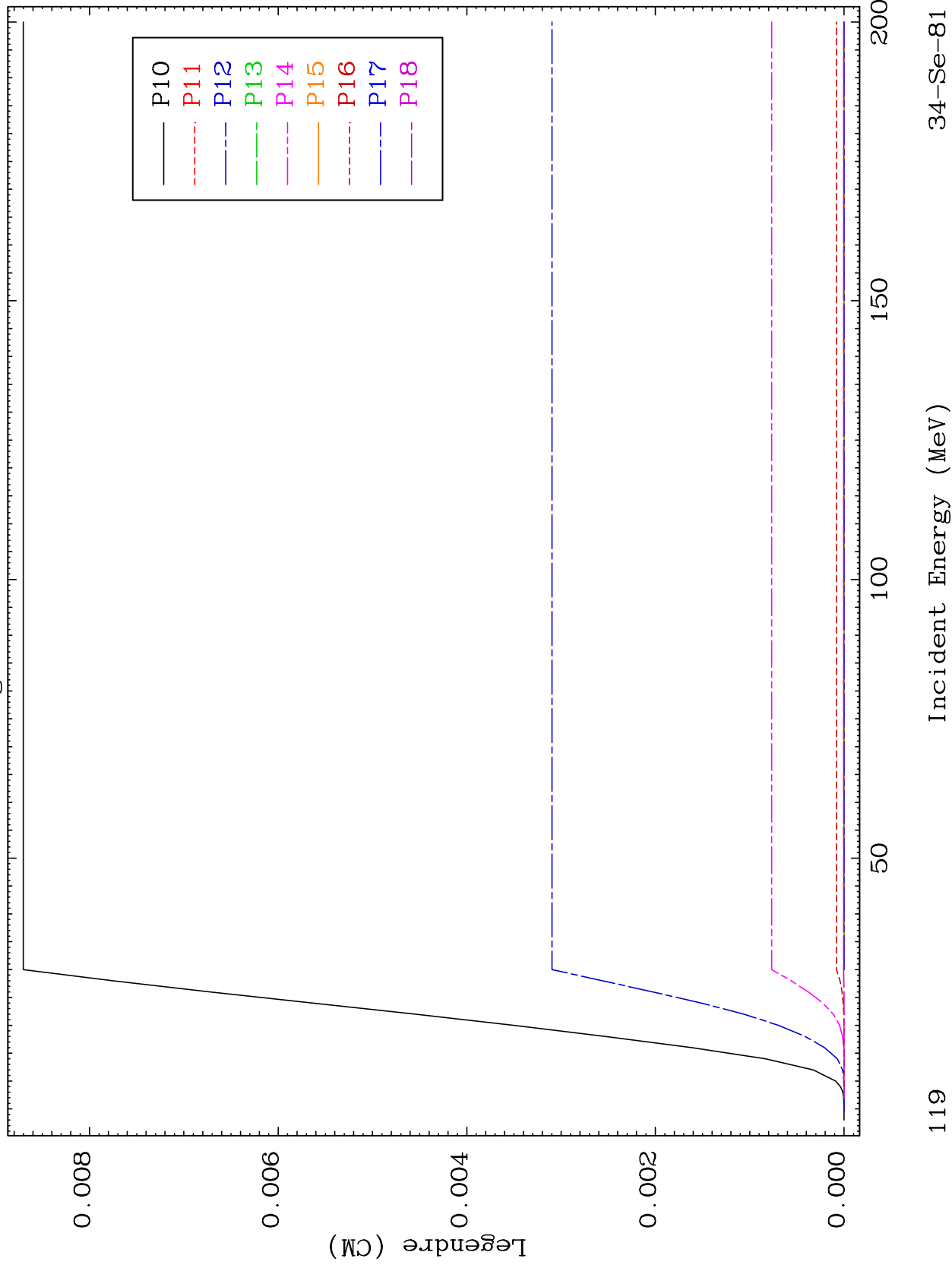
117



MAT 3446

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

34-Se-81

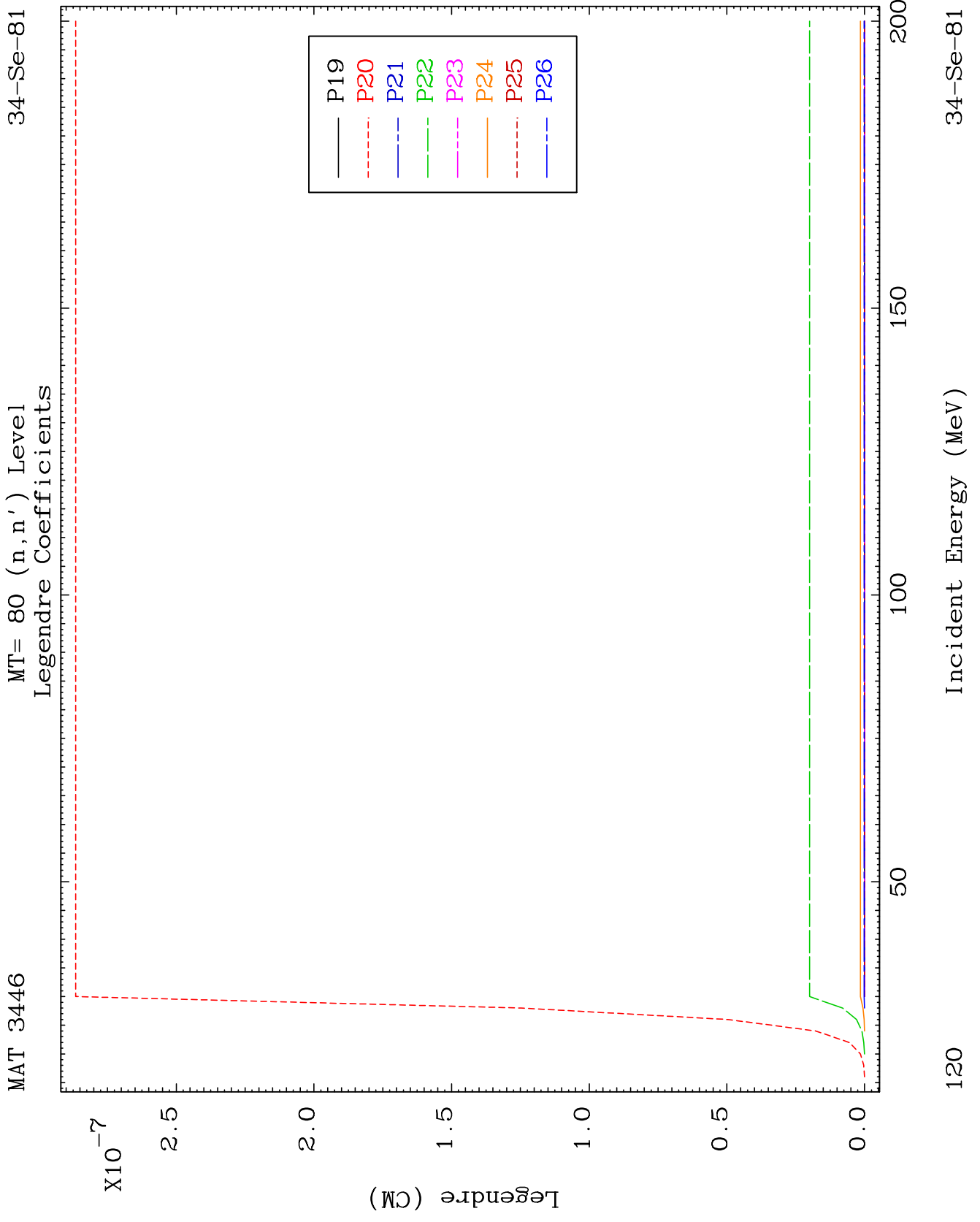


119

Incident Energy (MeV)

34-Se-81

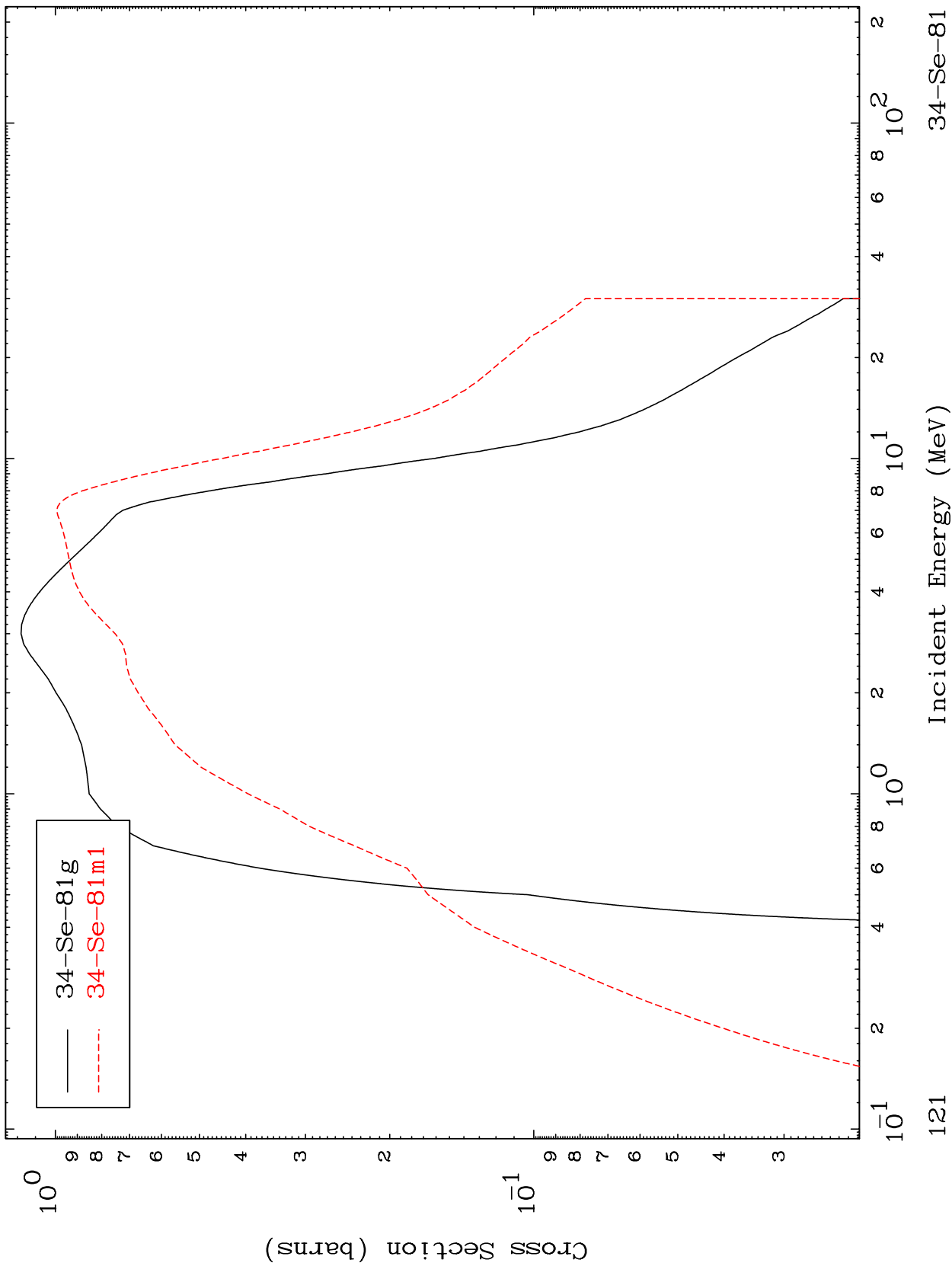




MAT 3446

<sup>34</sup>Se-81

Radionuclide Production Inelastic Cross Section



— 34-Se-81g  
- - - 34-Se-81m1

<sup>34</sup>Se-81

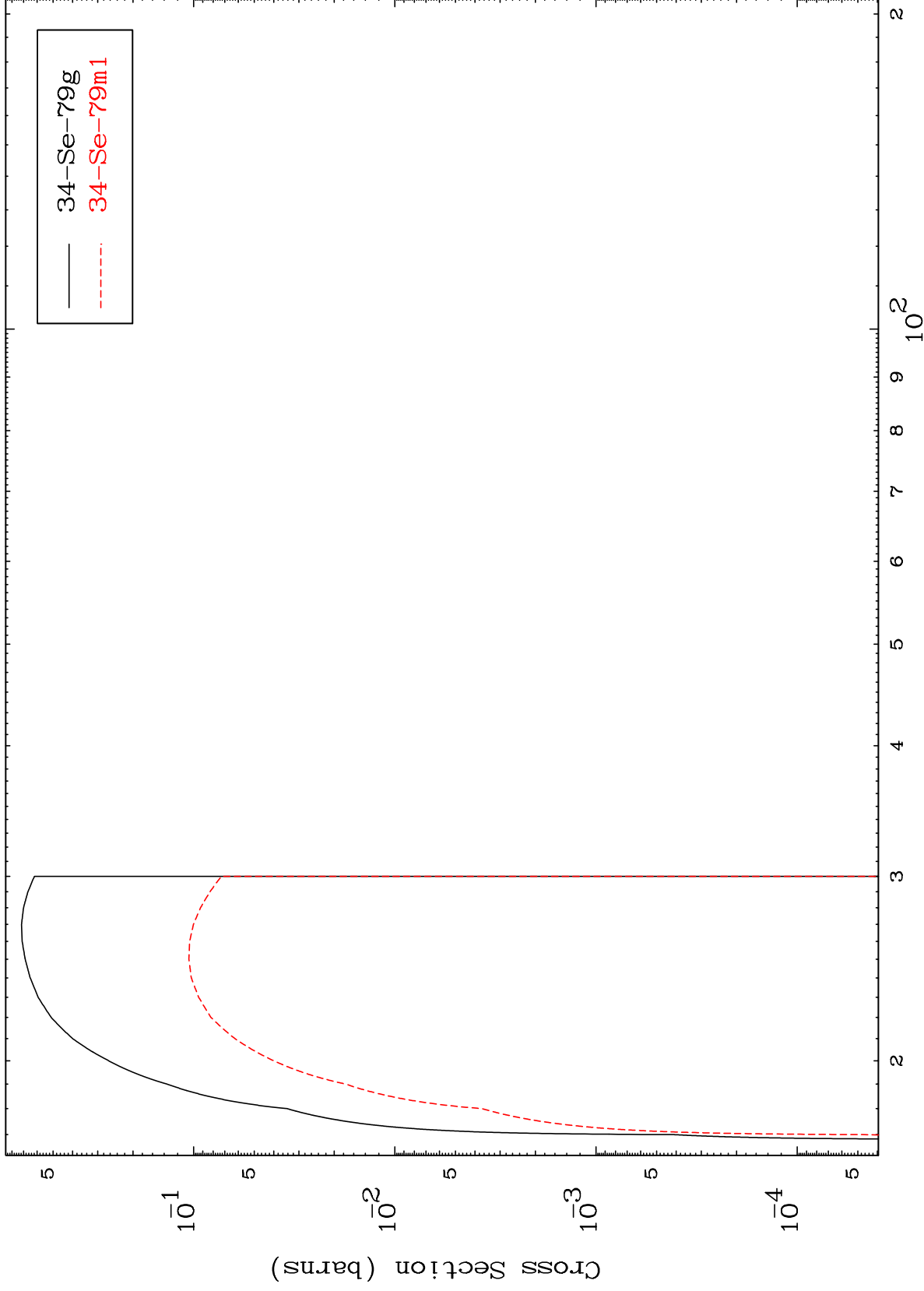
Incident Energy (MeV)

121

MAT 3446

<sup>34</sup>Se-81

(n,3n)  
Radionuclide Production Cross Section



122

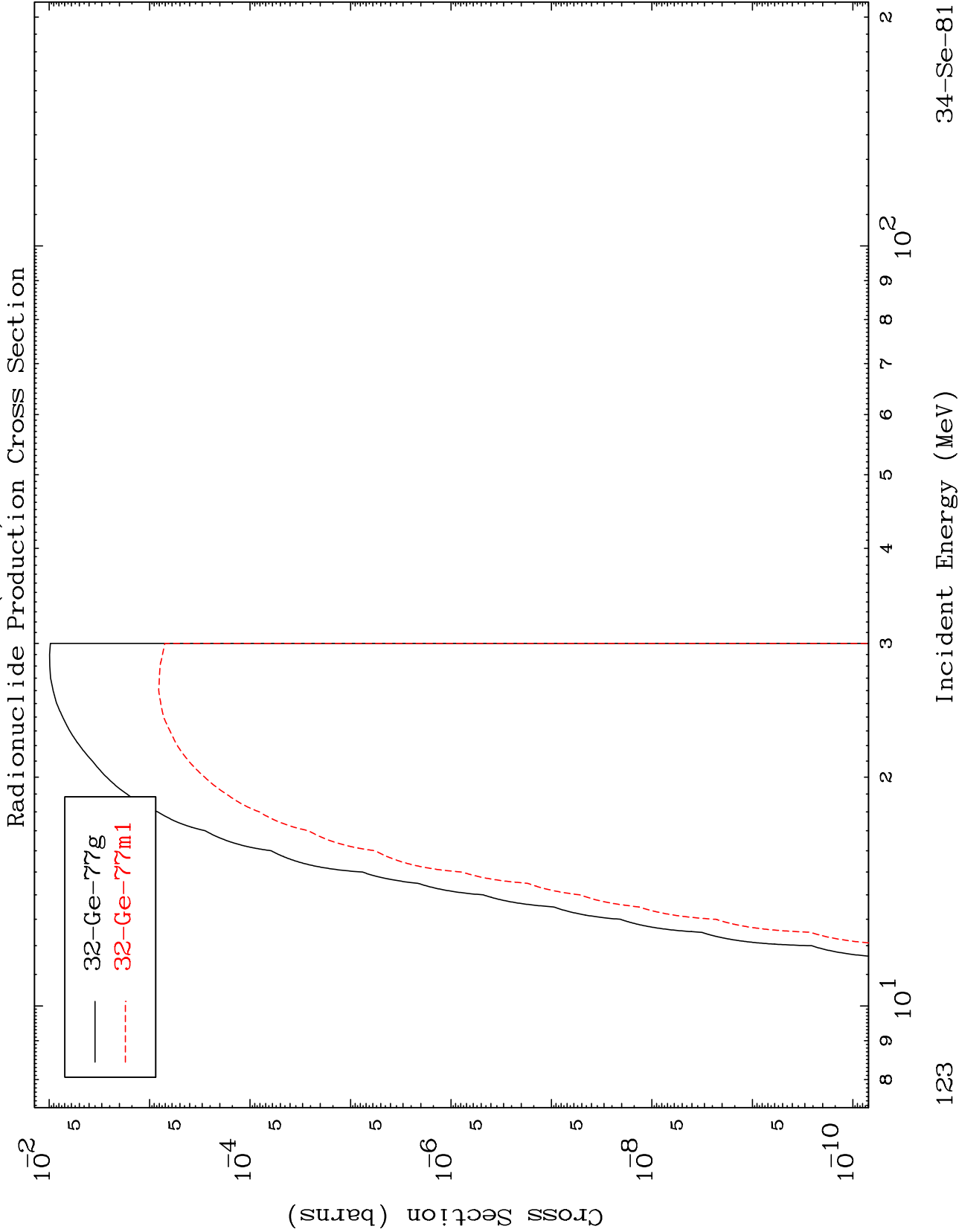
<sup>34</sup>Se-81

Incident Energy (MeV)

MAT 3446

$(n, n') \alpha$

$^{34}\text{Se-81}$

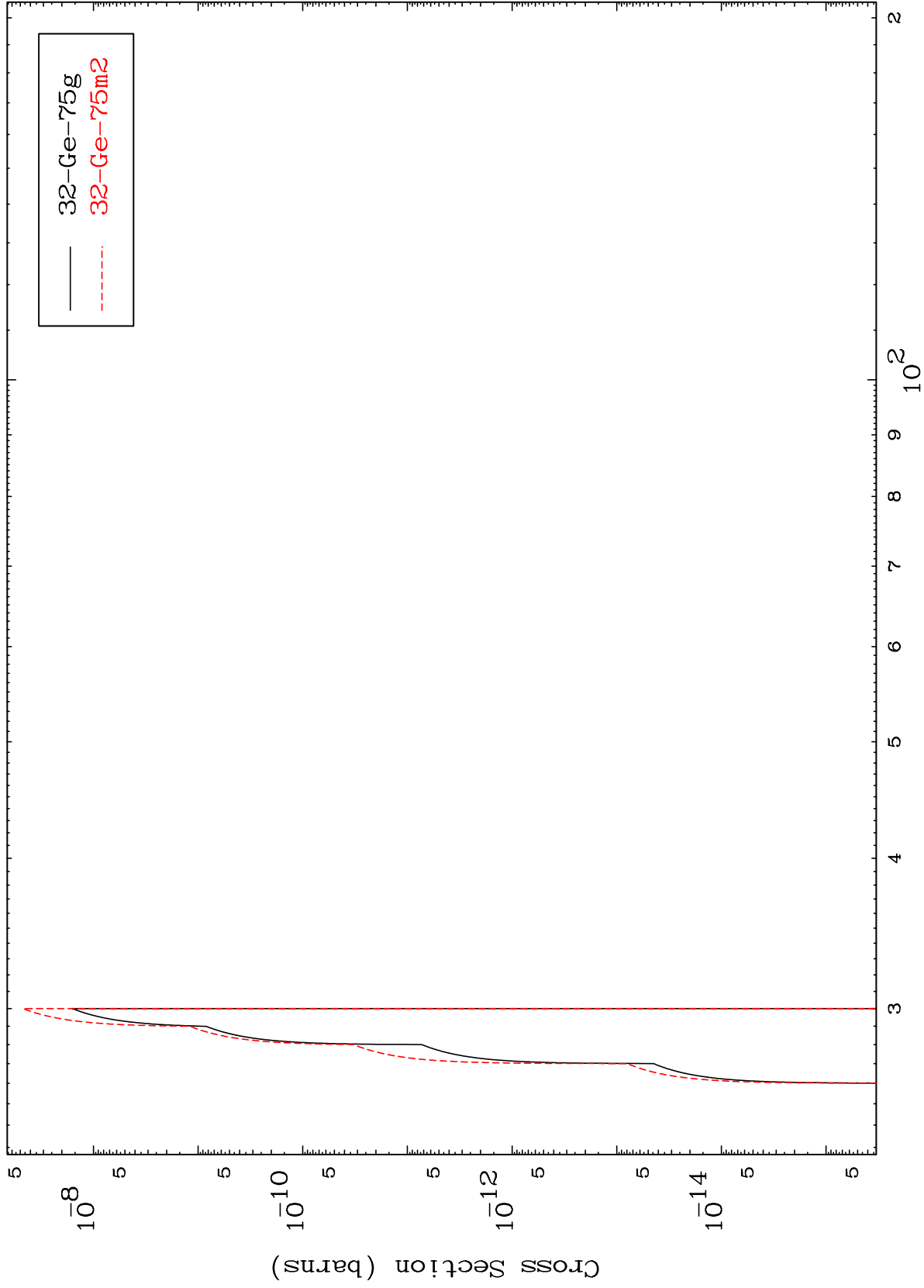


MAT 3446

(n,3n)  $\alpha$

34-<sup>Se-81</sup>

Radionuclide Production Cross Section



124

Incident Energy (MeV)

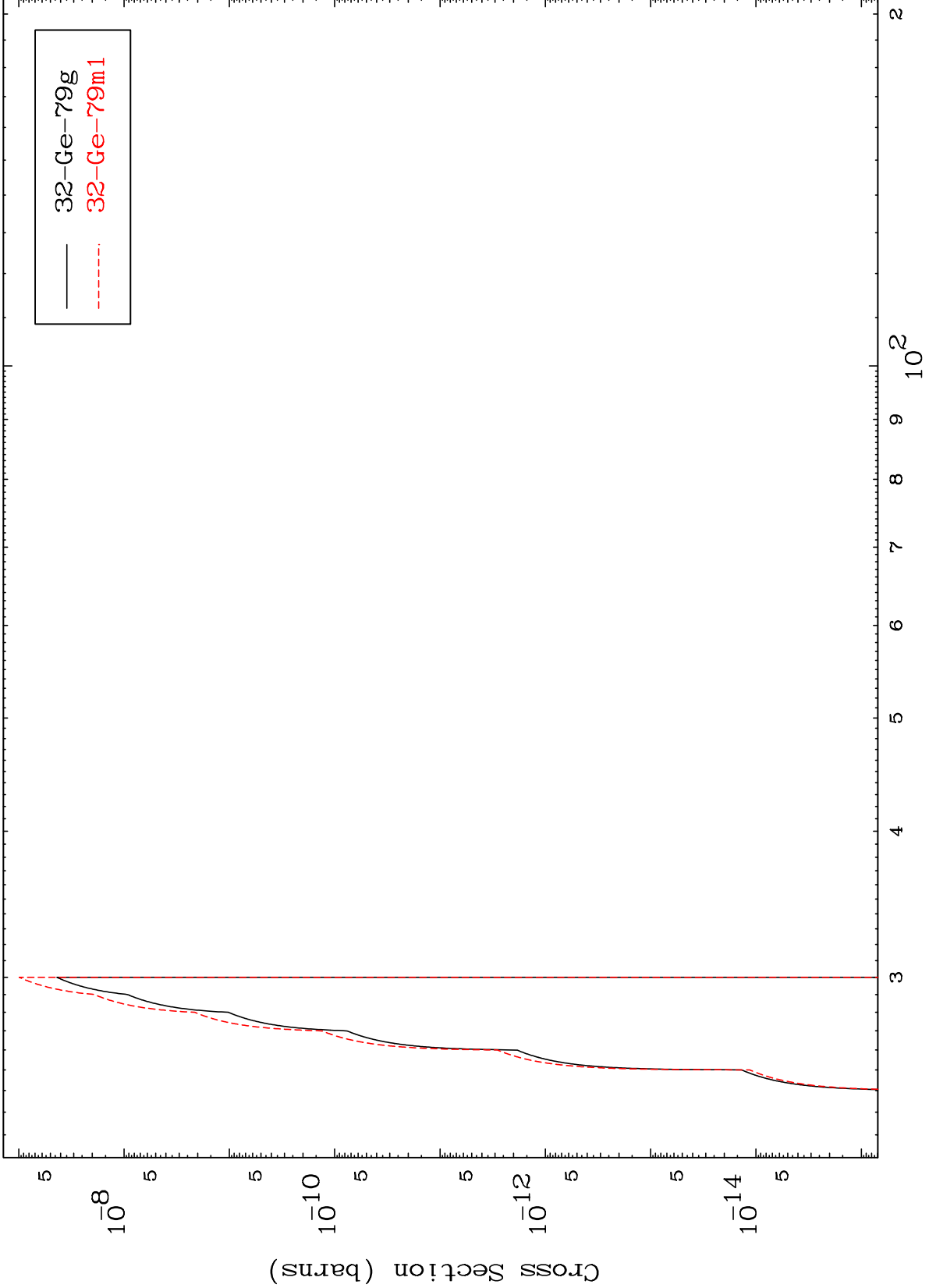
34-<sup>Se-81</sup>

MAT 3446

(n,2n) p

<sup>34</sup>Se-81

Radionuclide Production Cross Section



32-Ge-79g  
32-Ge-79m1

125

Incident Energy (MeV)

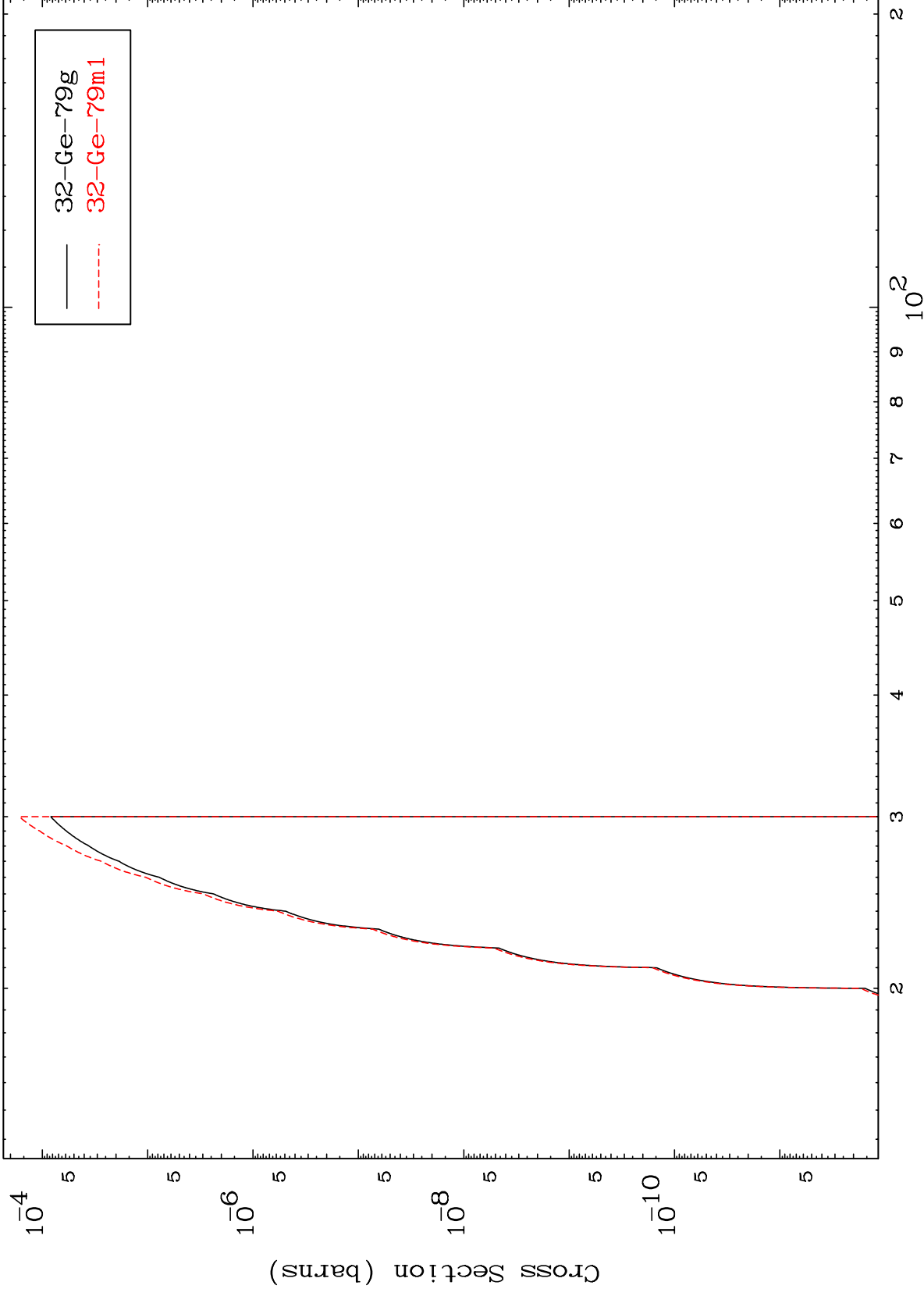
<sup>34</sup>Se-81

MAT 3446

(n,He-3)

34-Se-81

Radionuclide Production Cross Section



126

Incident Energy (MeV)

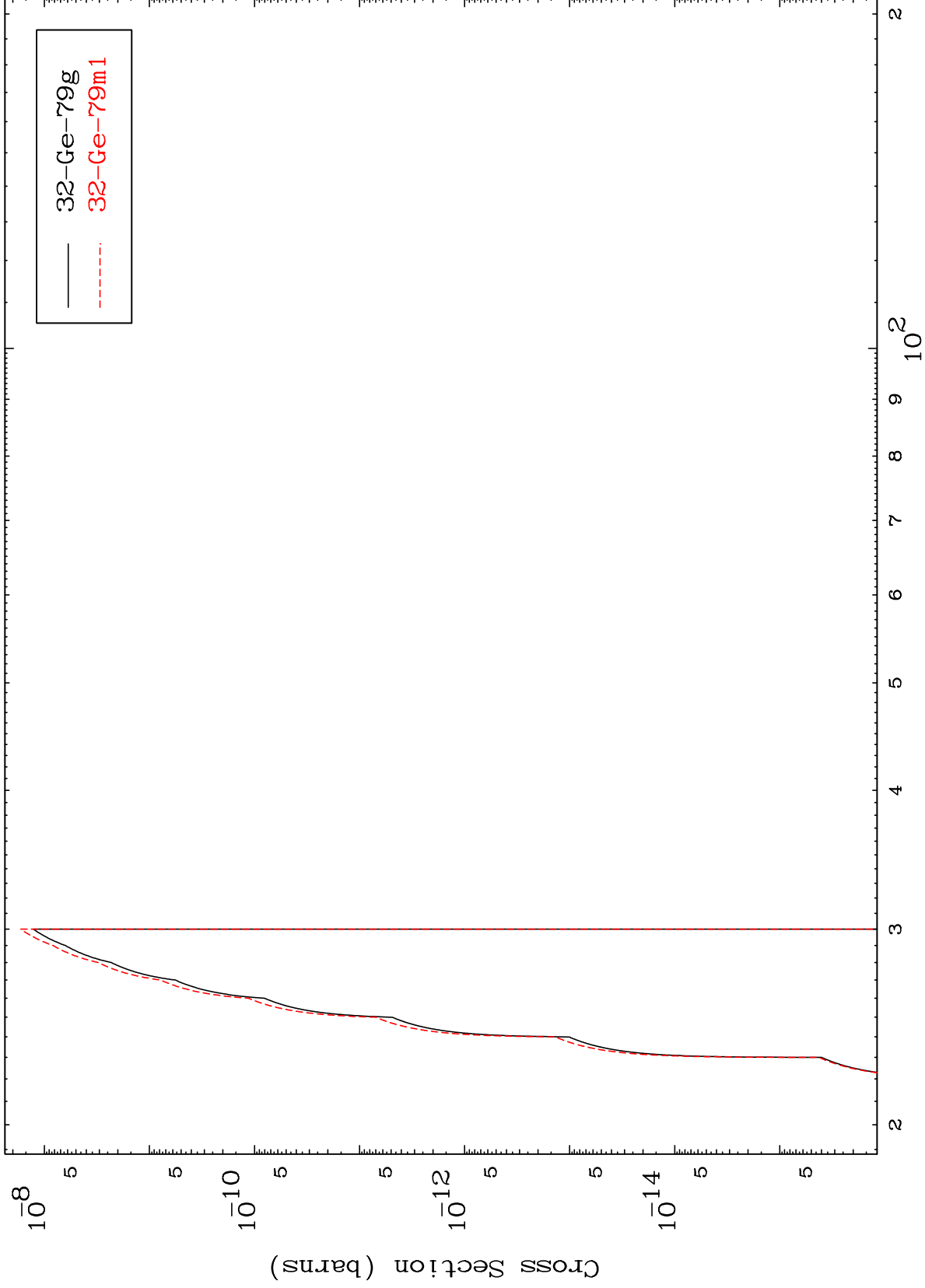
34-Se-81

MAT 3446

(n,p) d

<sup>34</sup>Se-81

Radionuclide Production Cross Section



127

Incident Energy (MeV)

<sup>34</sup>Se-81