

Program EVALPLOT  
(Version 2021-1)

by

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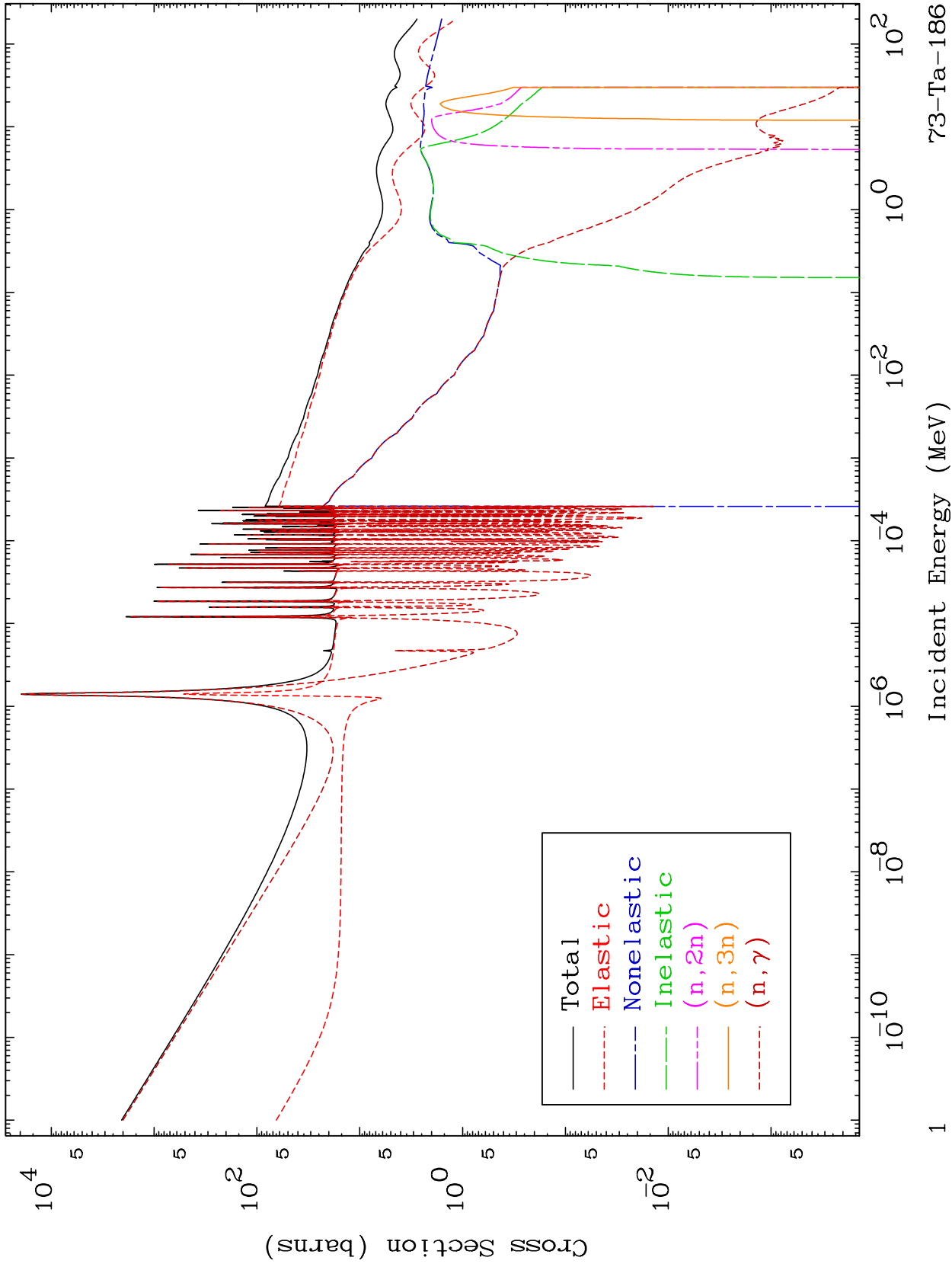
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Press Mouse Button to Start

MAT 7343

Neutron Major  
293 Kelvin Cross Sections

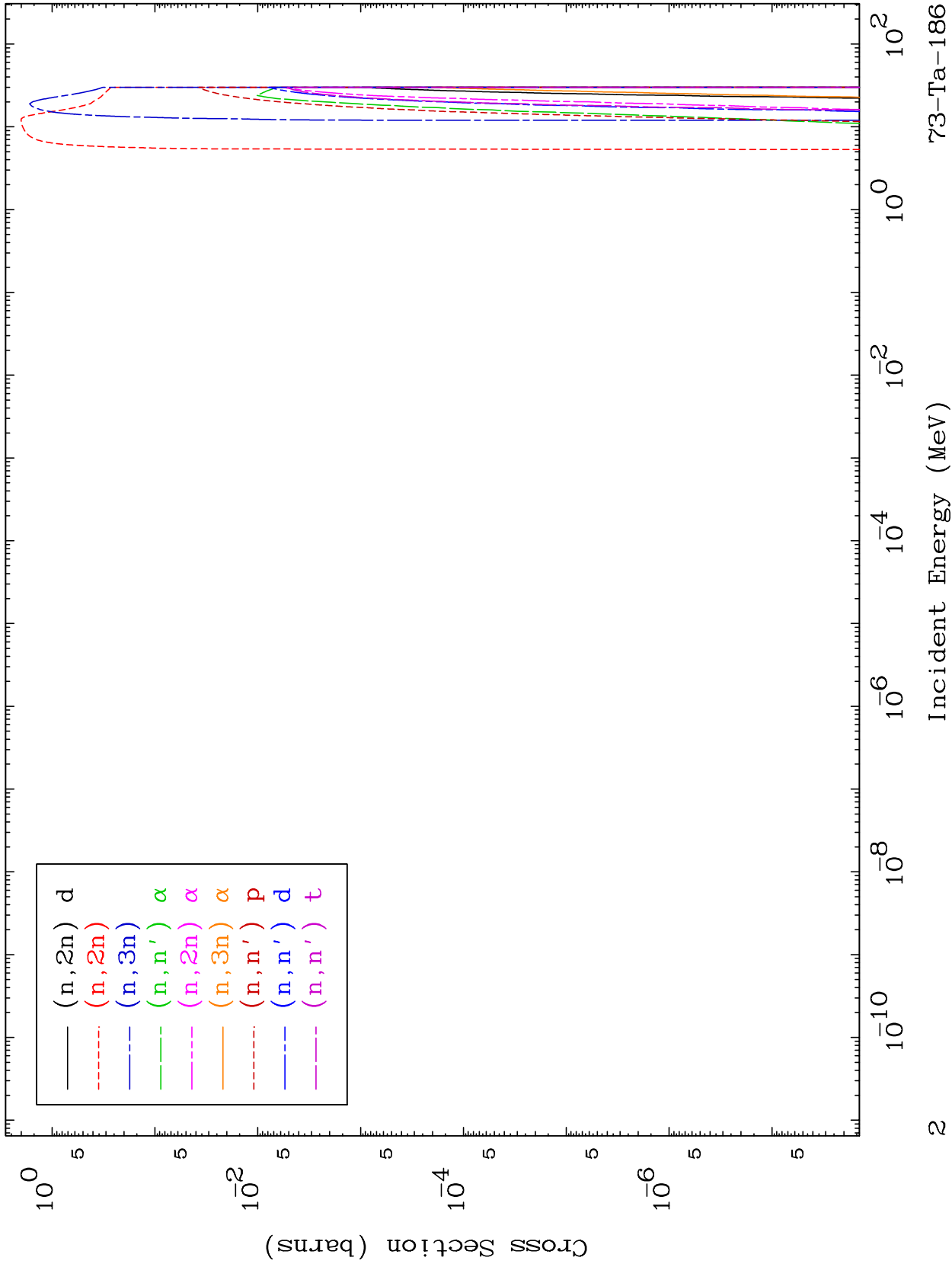
73-Ta-186



MAT 7343

Neutron Absorption  
293 Kelvin Cross Sections

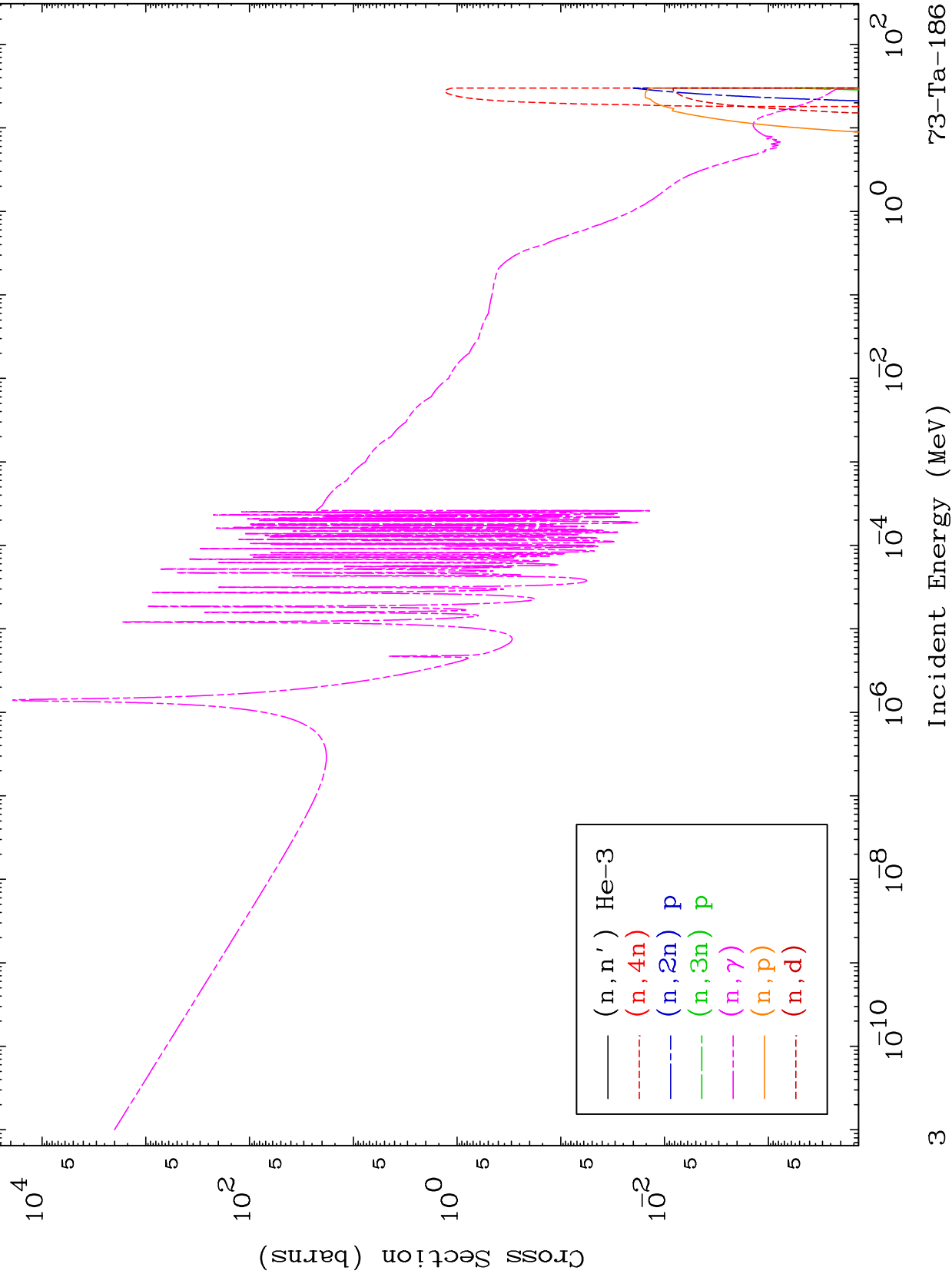
73-Ta-186



MAT 7343

Neutron Absorption  
293 Kelvin Cross Sections

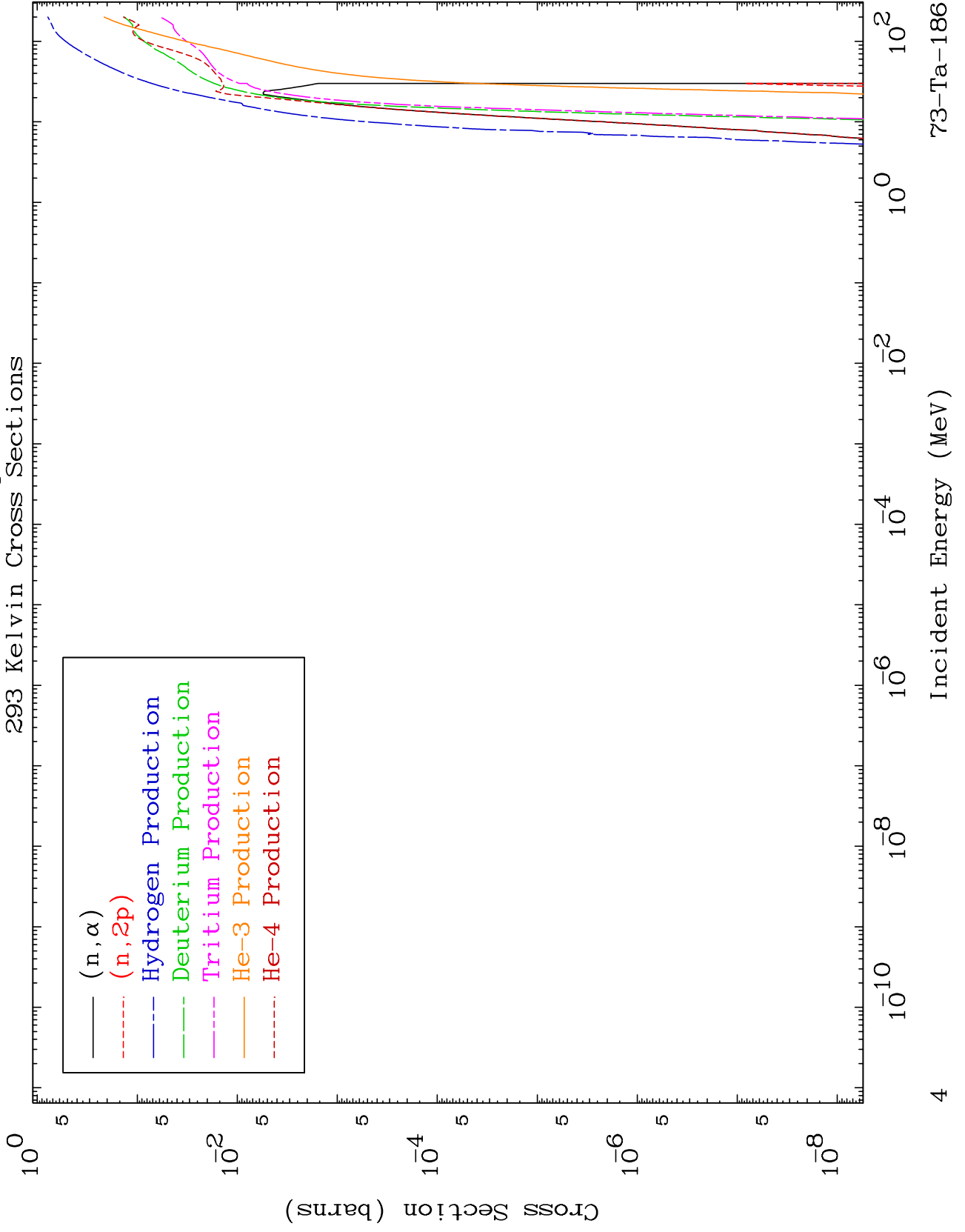
73-Ta-186



MAT 7343

Neutron Absorption  
293 Kelvin Cross Sections

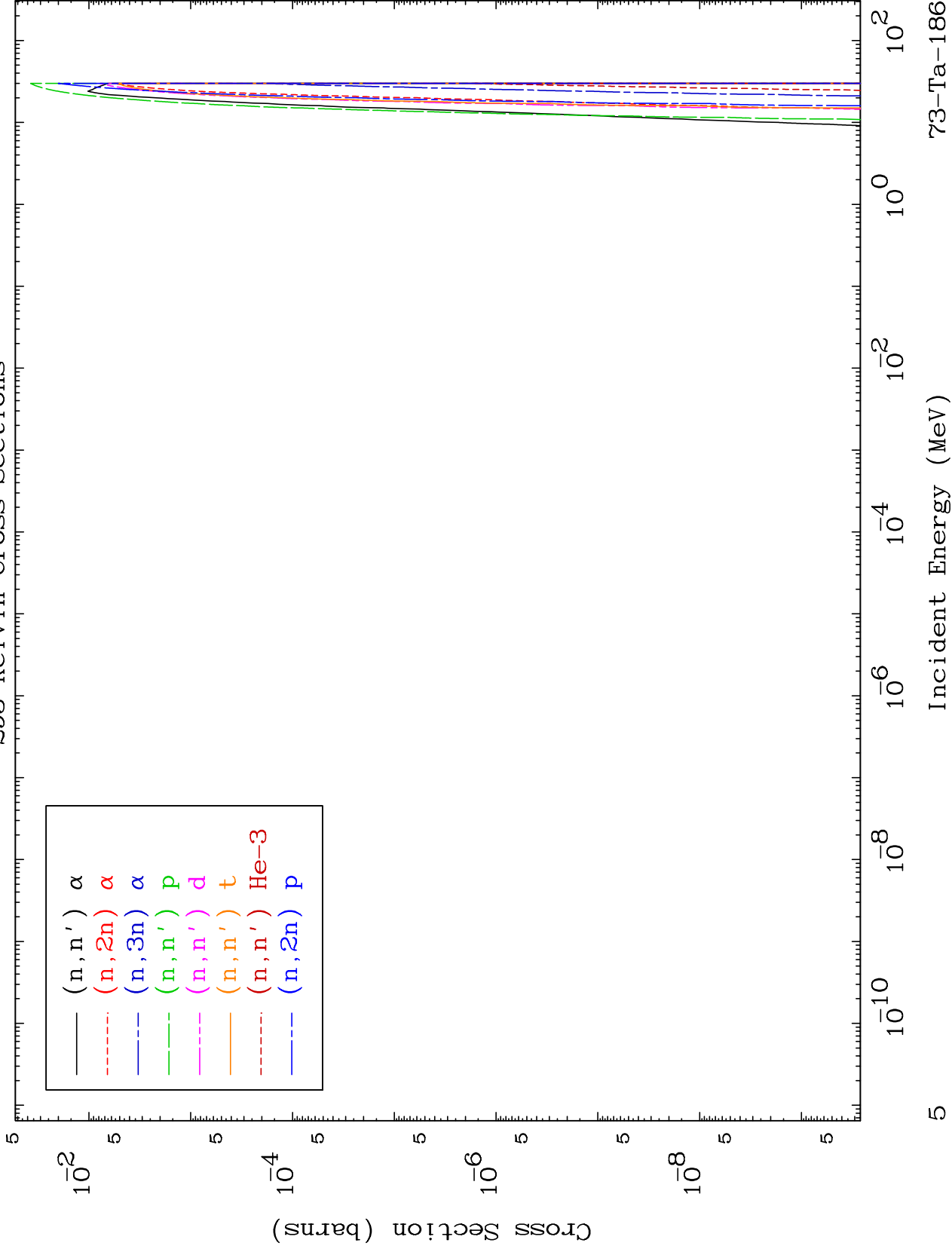
73-Ta-186



MAT 7343

Charged Particle  
293 Kelvin Cross Sections

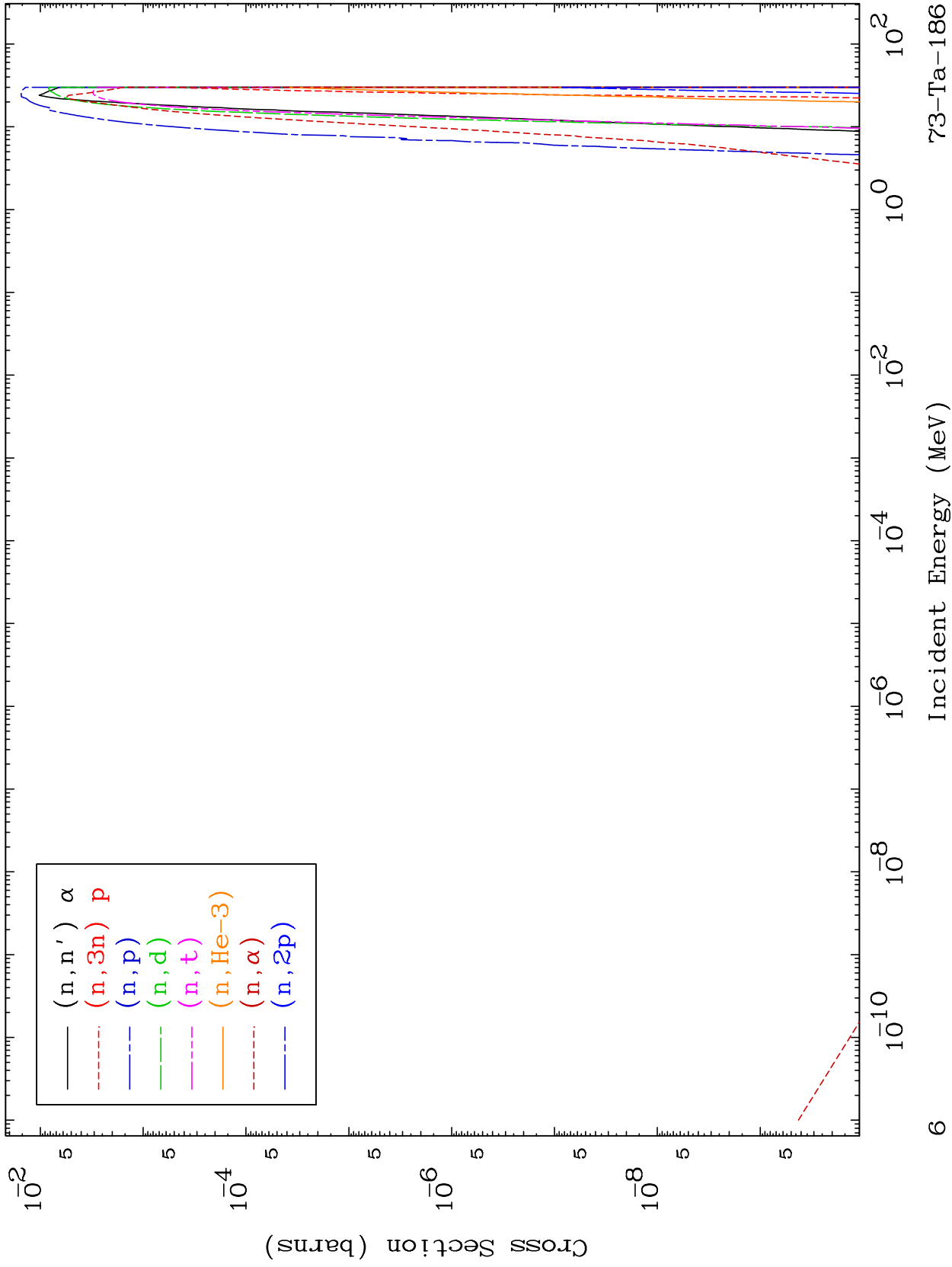
73-Ta-186



MAT 7343

Charged Particle  
293 Kelvin Cross Sections

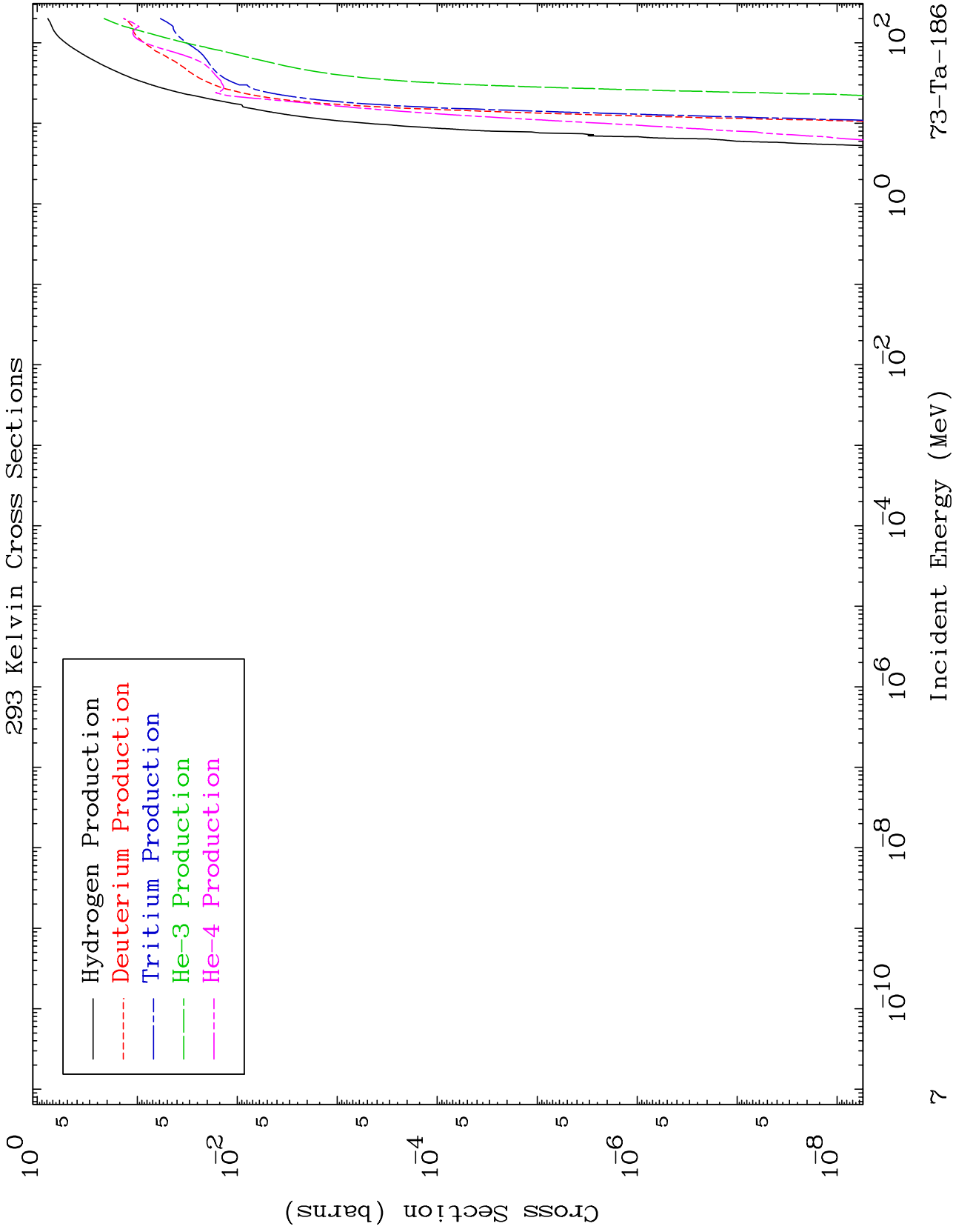
73-Ta-186



MAT 7343

Particle Production  
293 Kelvin Cross Sections

73-Ta-186



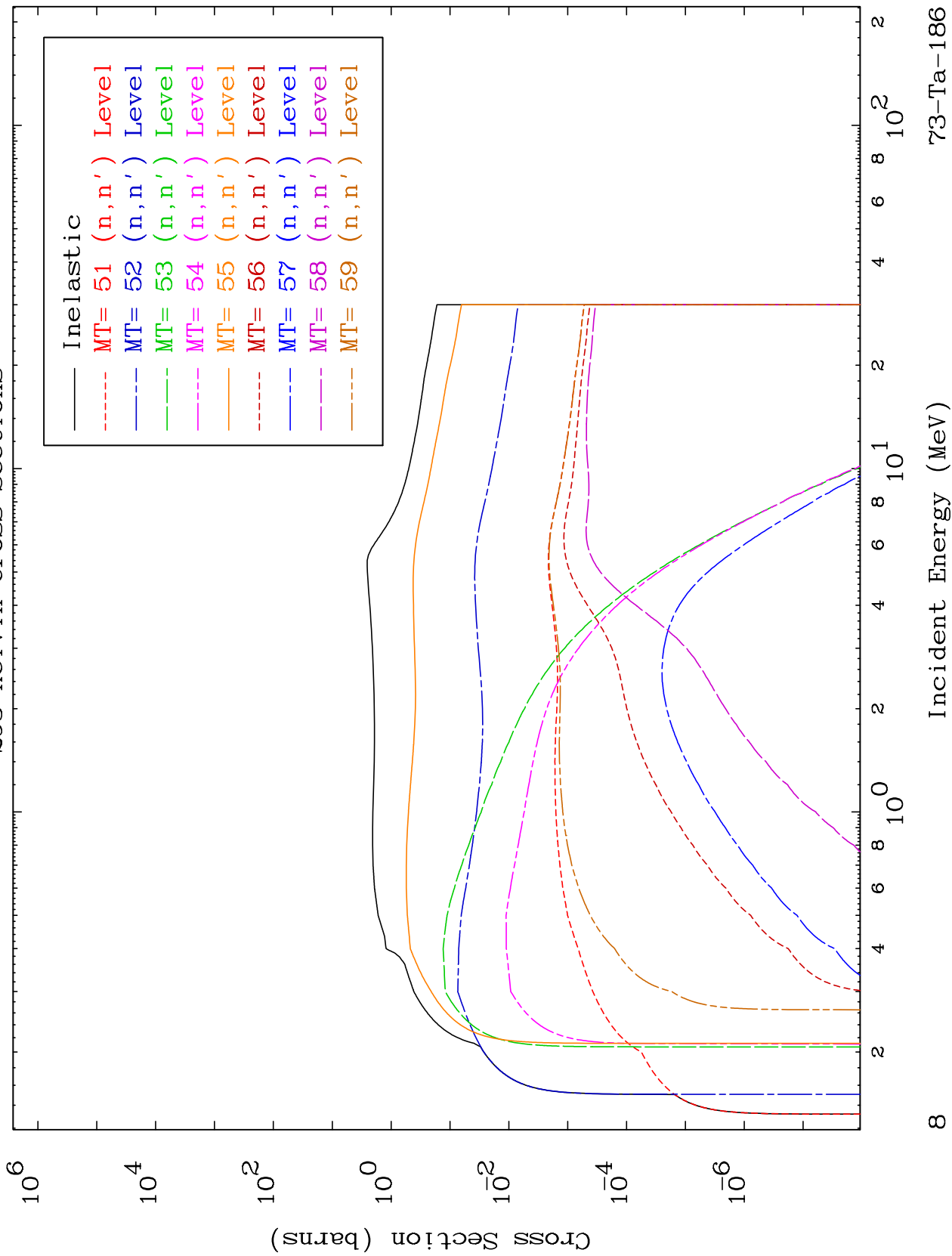


MAT 7343

(n,n') Levels

73-Ta-186

293 Kelvin Cross Sections

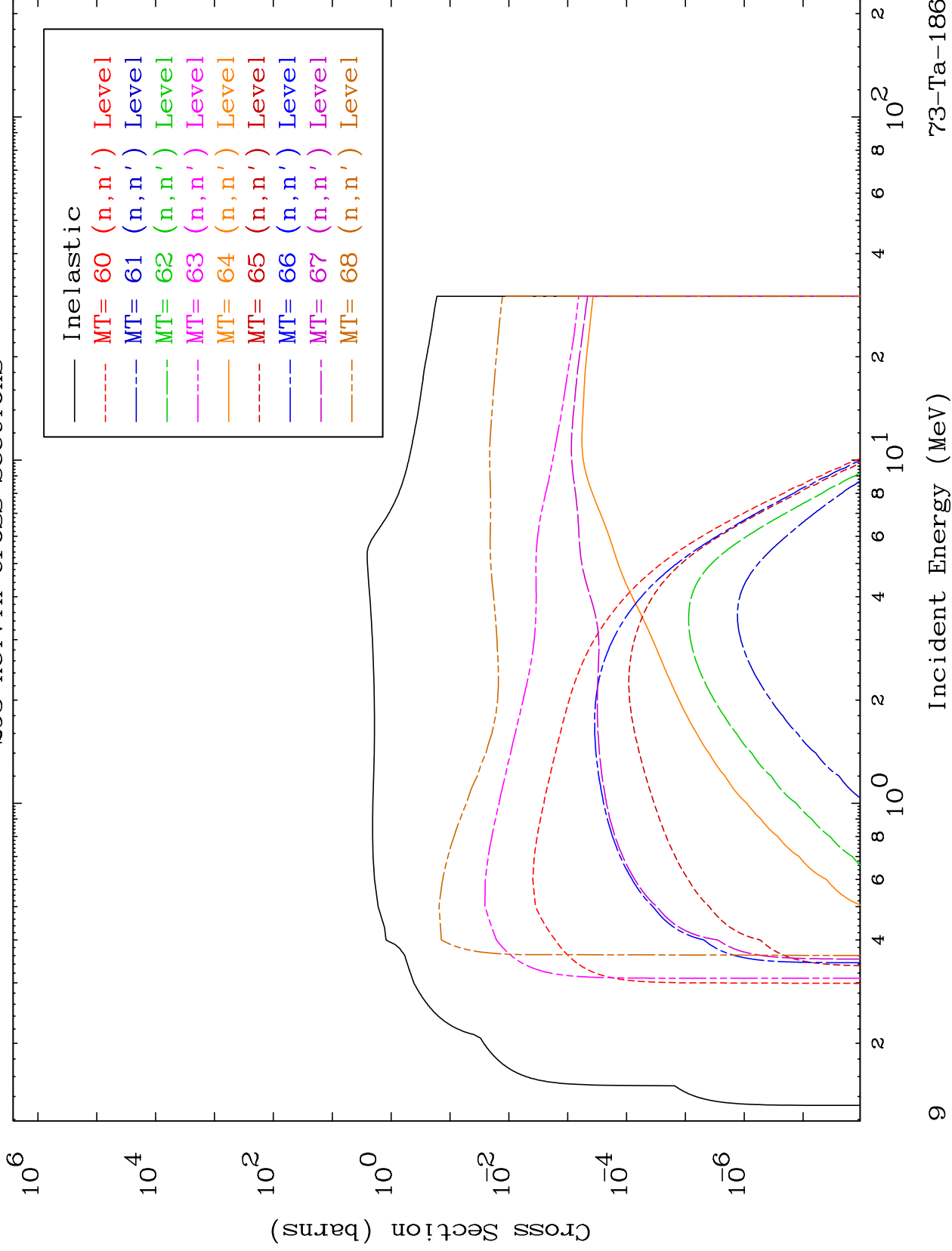


MAT 7343

(n,n') Levels

73-Ta-186

293 Kelvin Cross Sections

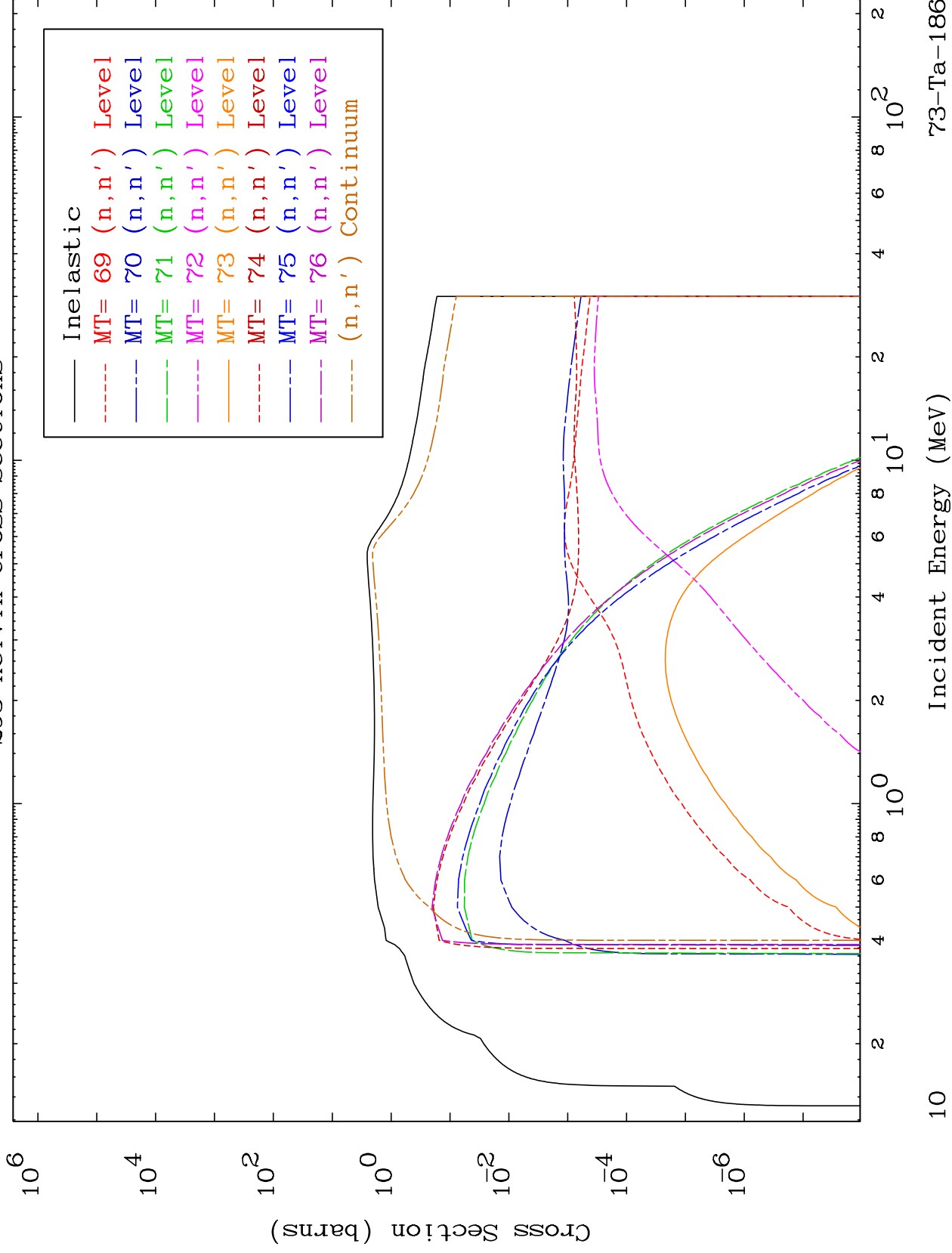


MAT 7343

(n,n') Levels

73-Ta-186

293 Kelvin Cross Sections



10

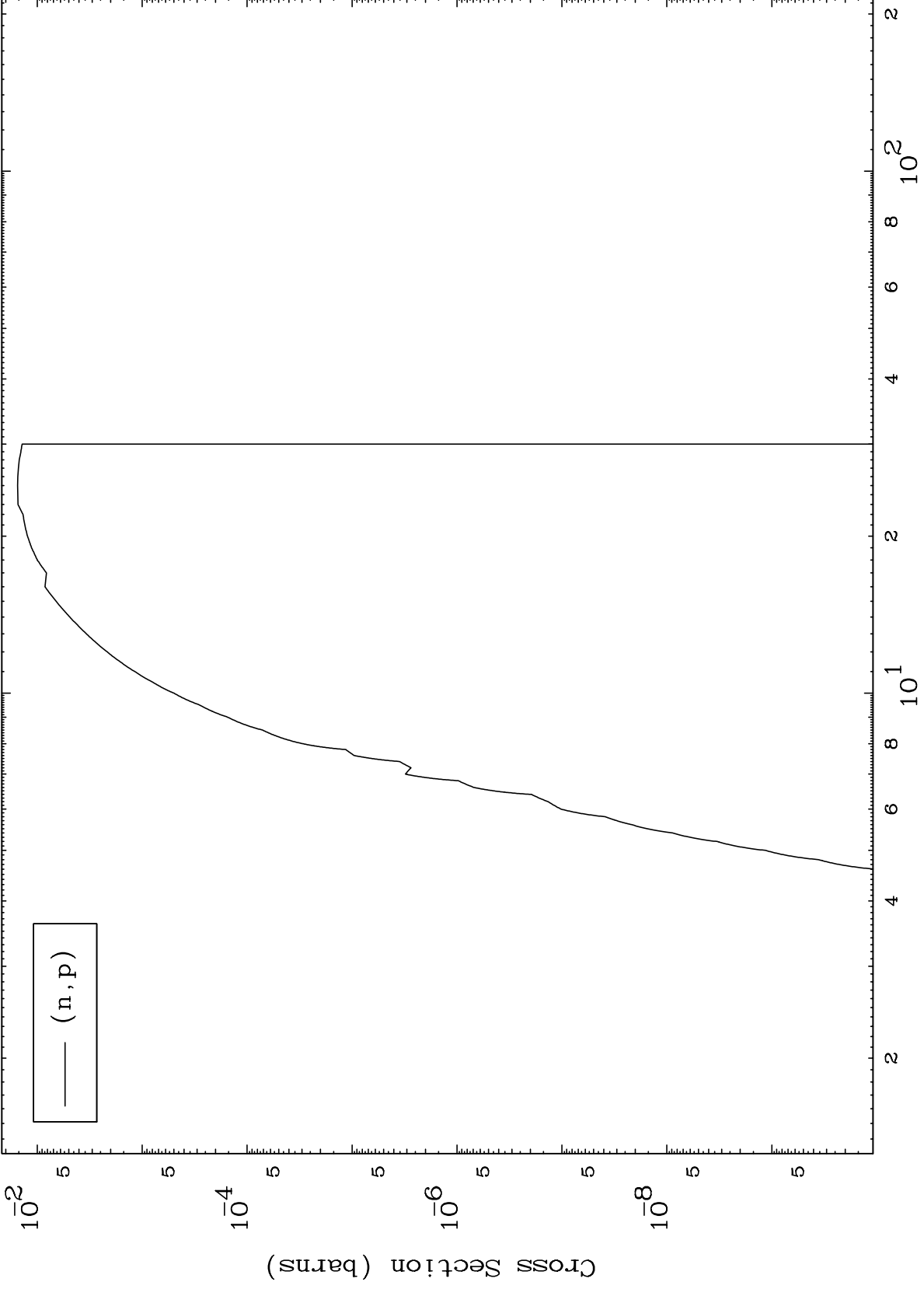
Incident Energy (MeV)

73-Ta-186

MAT 7343

(n,p) Levels  
293 Kelvin Cross Sections

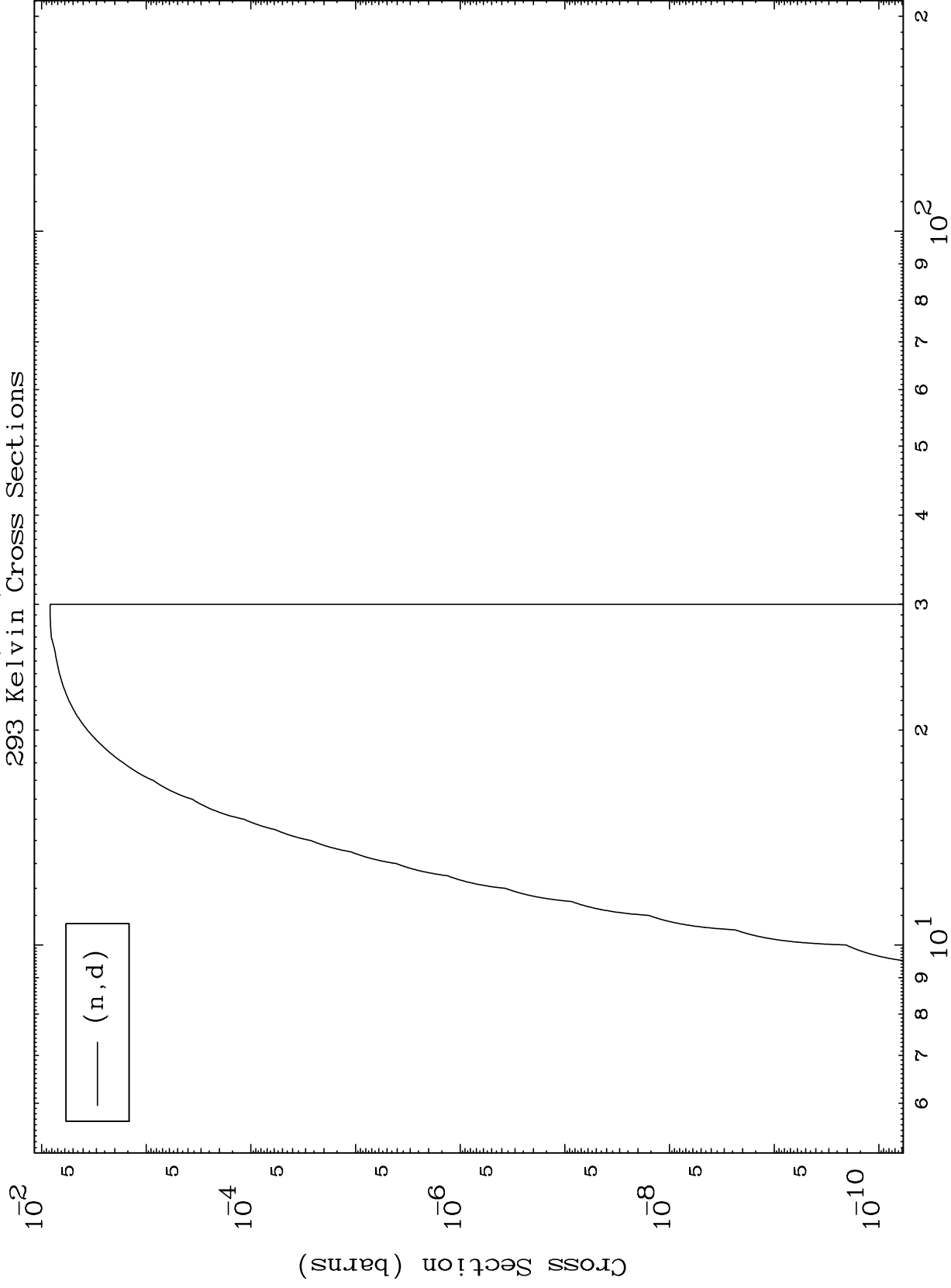
<sup>73</sup>Ta-186



MAT 7343

(n,d) Levels  
293 Kelvin Cross Sections

73-Ta-186



12

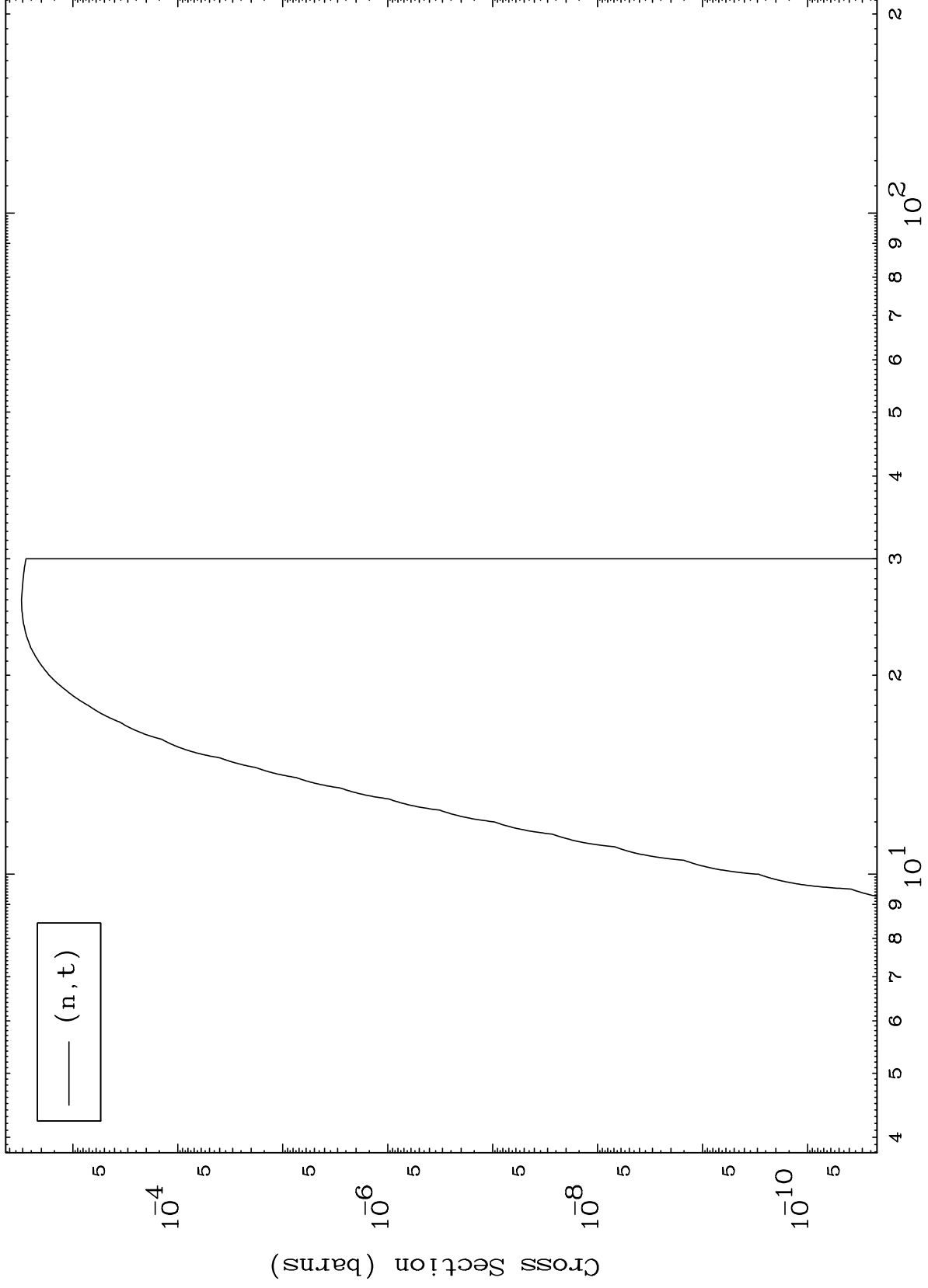
Incident Energy (MeV)

73-Ta-186

MAT 7343

(n,t) Levels  
293 Kelvin Cross Sections

73-Ta-186



13

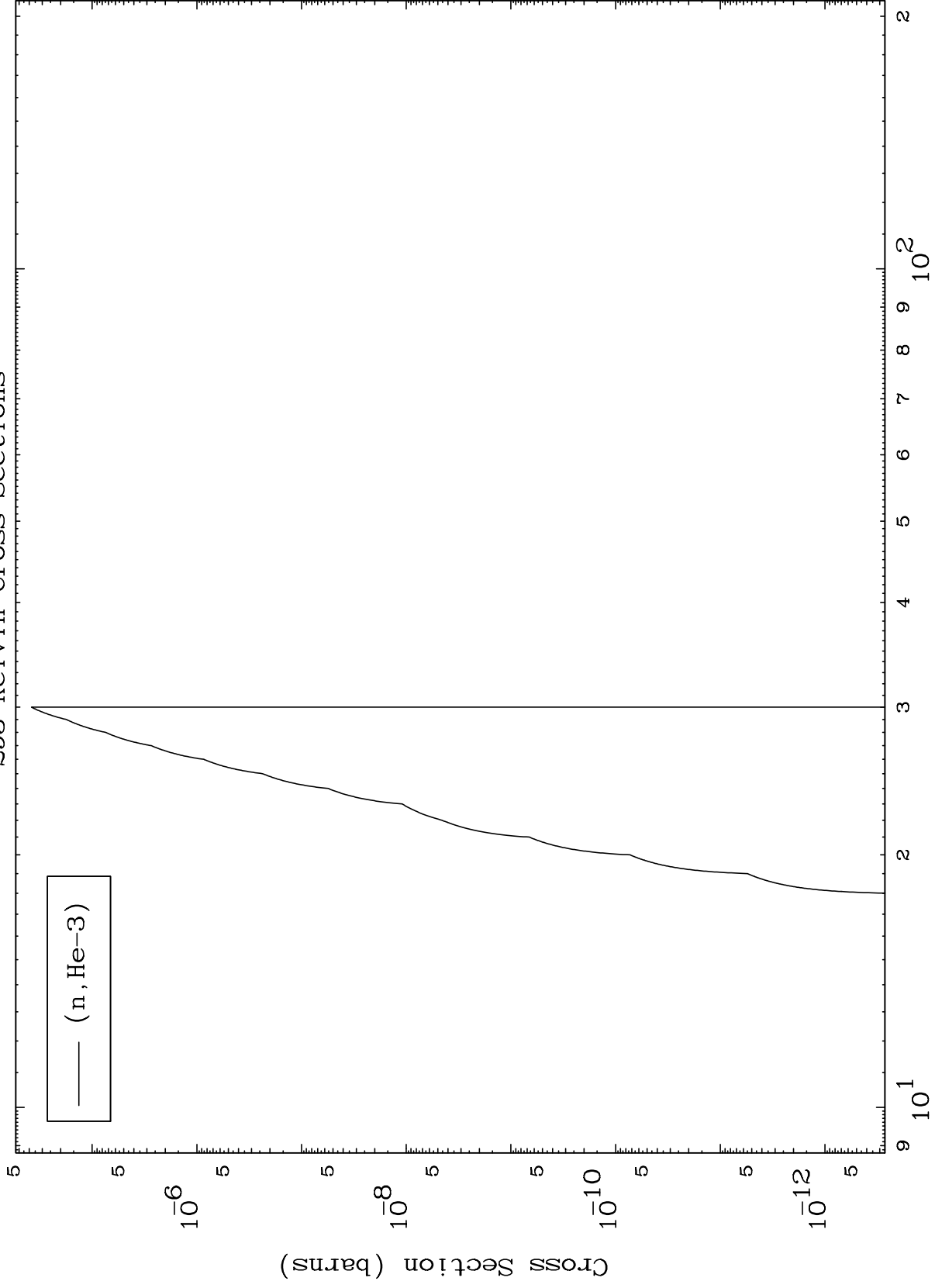
Incident Energy (MeV)

73-Ta-186

MAT 7343

(n,He3) Levels  
293 Kelvin Cross Sections

73-Ta-186



14

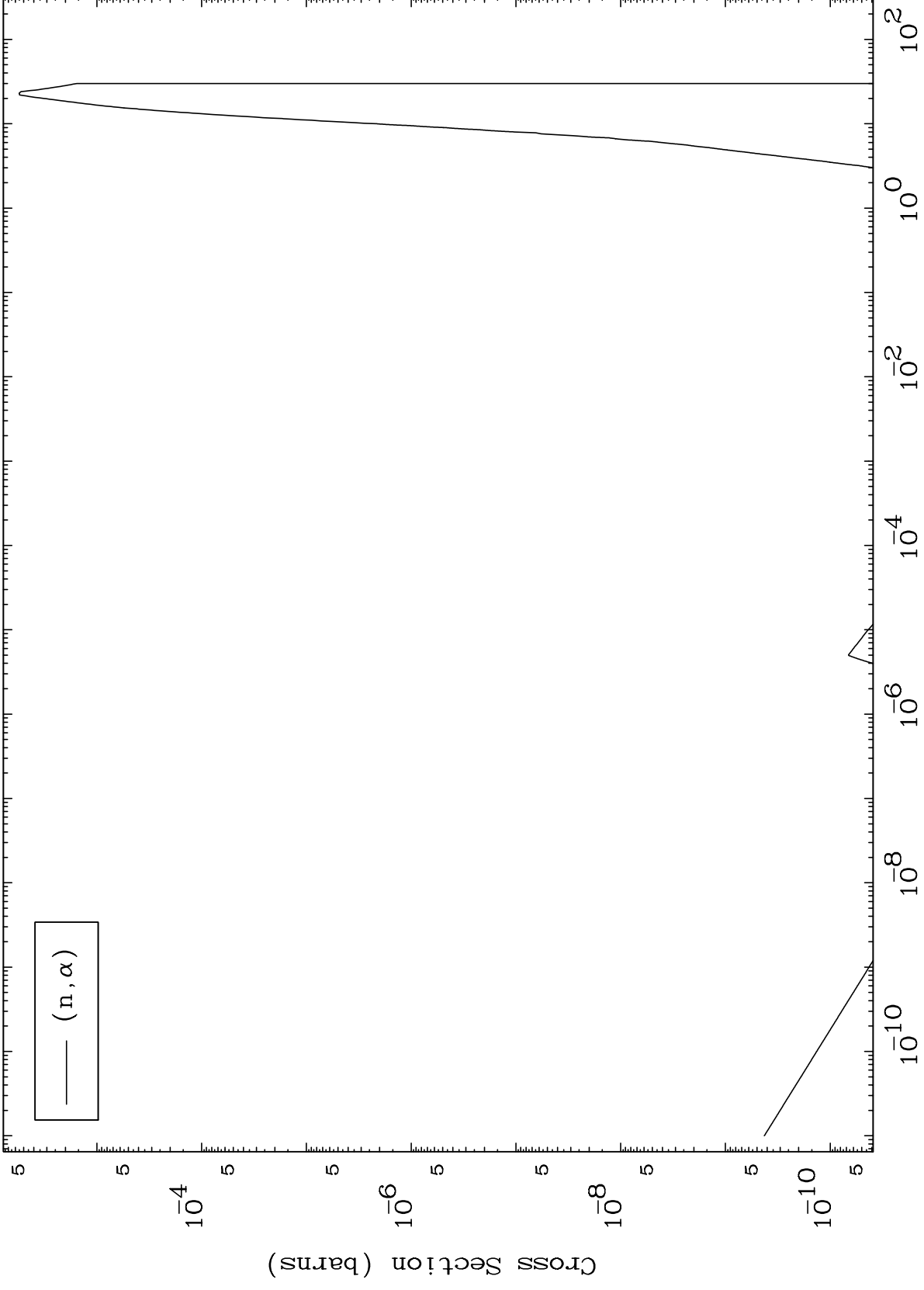
Incident Energy (MeV)

73-Ta-186

MAT 7343

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

73-Ta-186

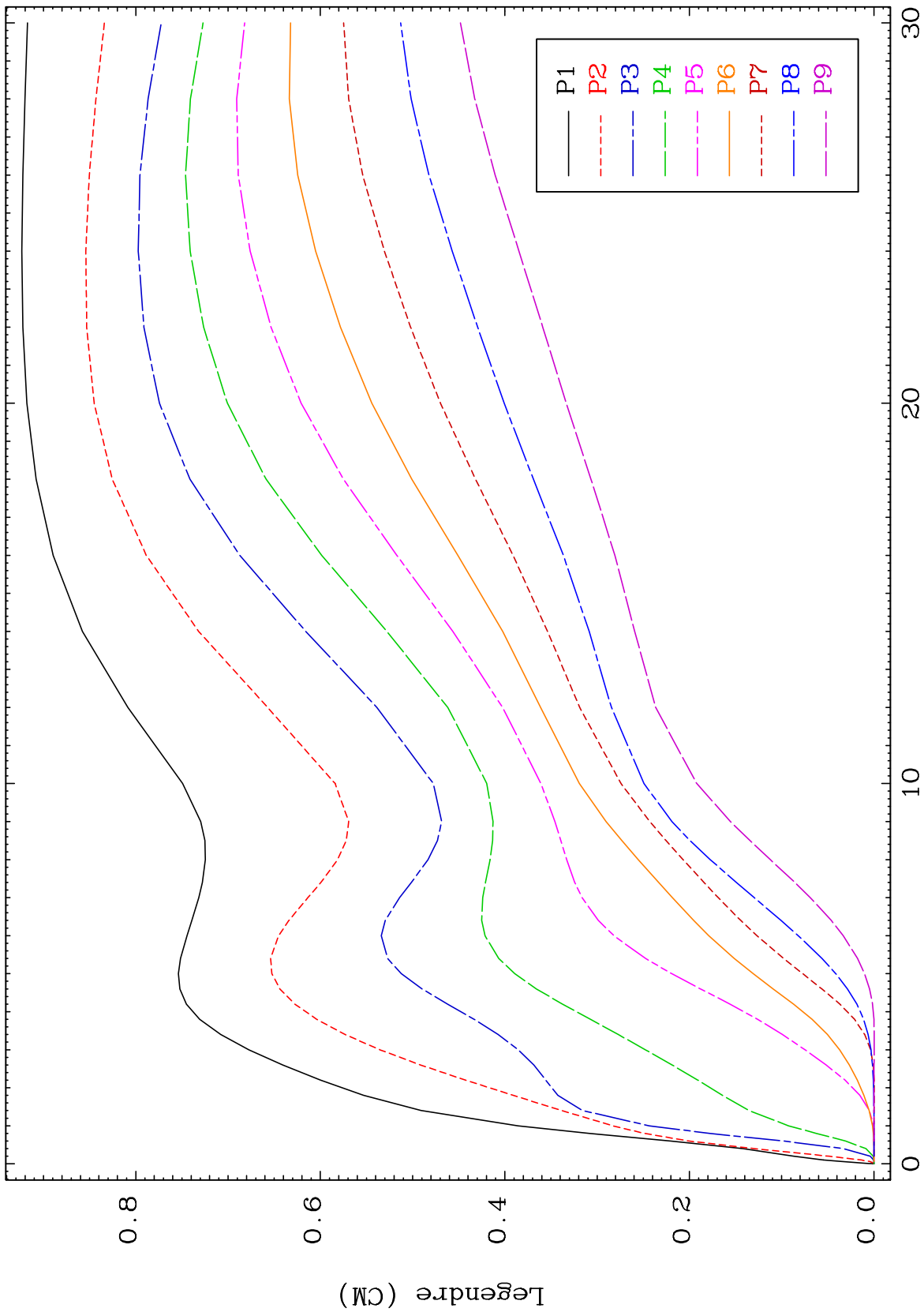




MAT 7343

73-Ta-186

Elastic Legendre Coefficients



16

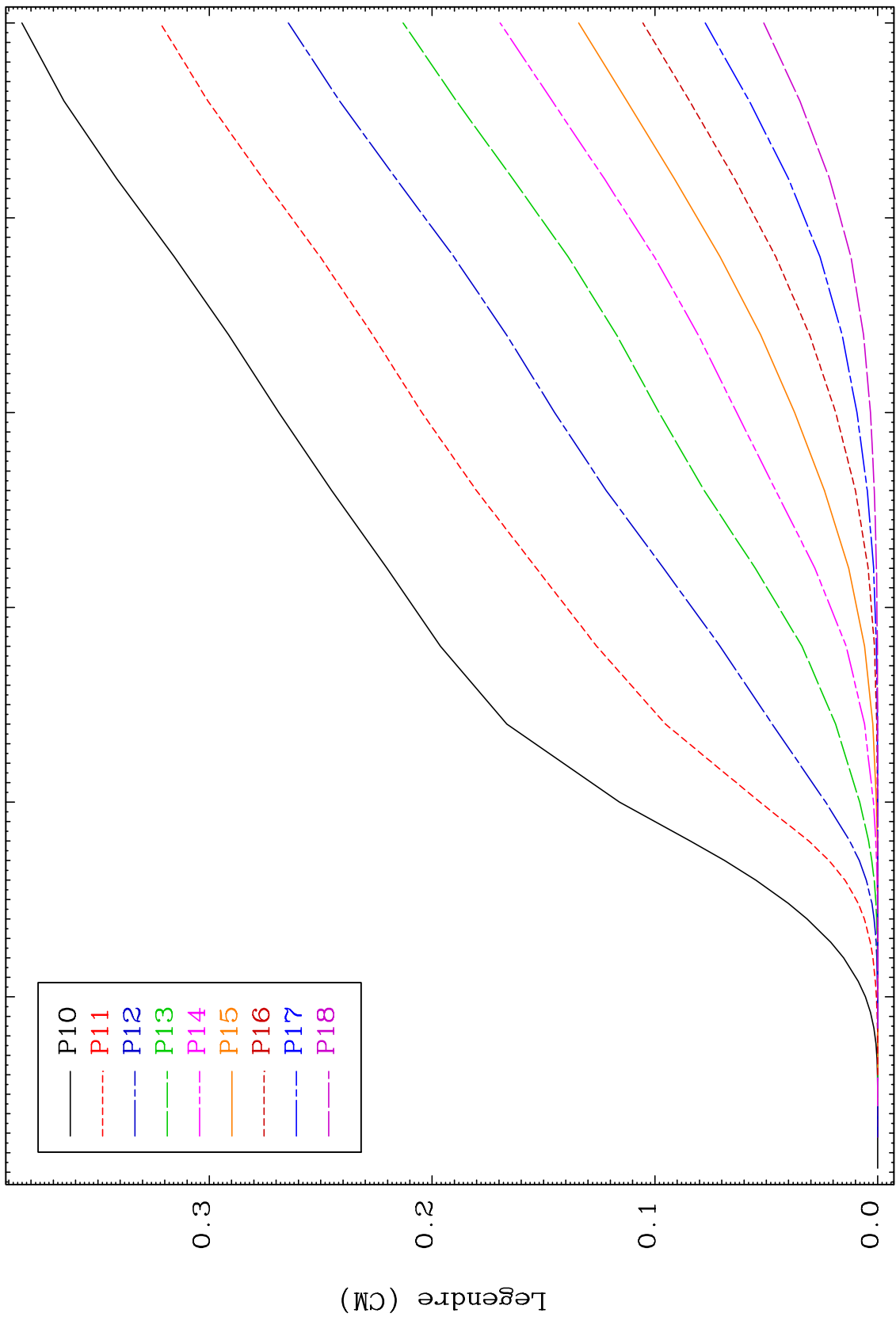
Incident Energy (MeV)

73-Ta-186

MAT 7343

Elastic Legendre Coefficients

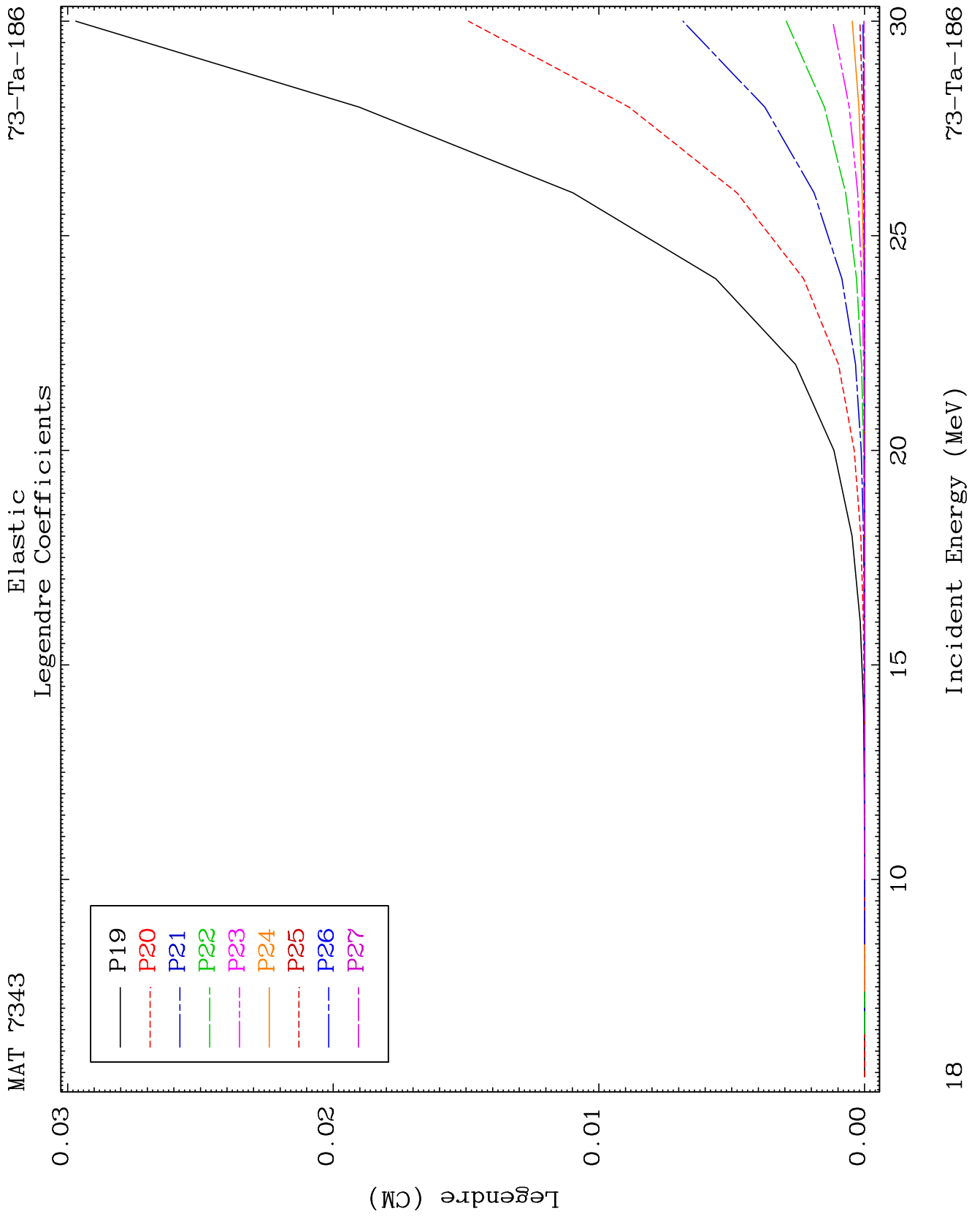
<sup>73</sup>Ta-186



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<sup>73</sup>Ta-186

Incident Energy (MeV)

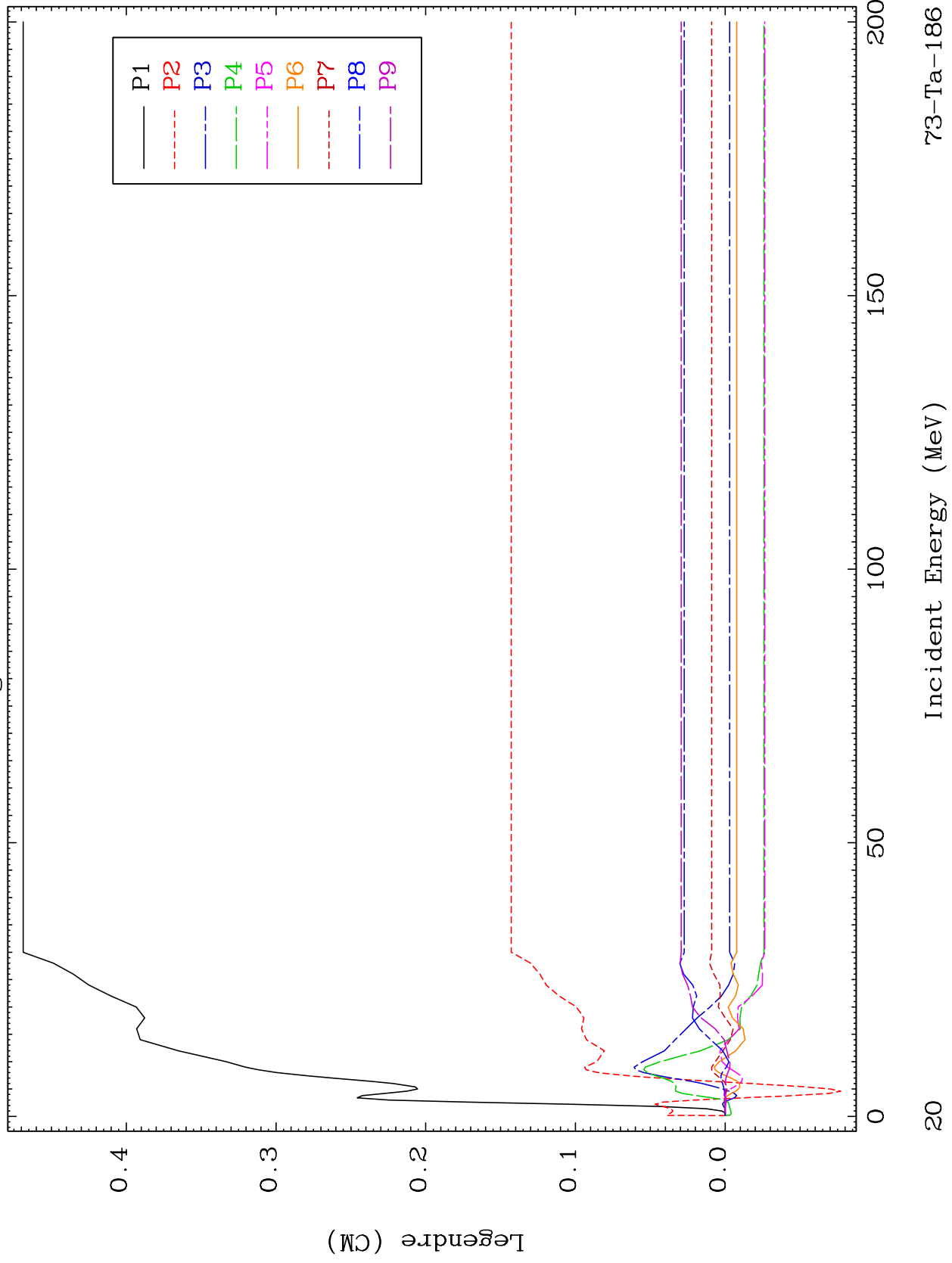




MAT 7343

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

73-Ta-186



73-Ta-186

Incident Energy (MeV)

0

50

100

150

200

Legendre (CM)

0.4

0.3

0.2

0.1

0.0

P1

P2

P3

P4

P5

P6

P7

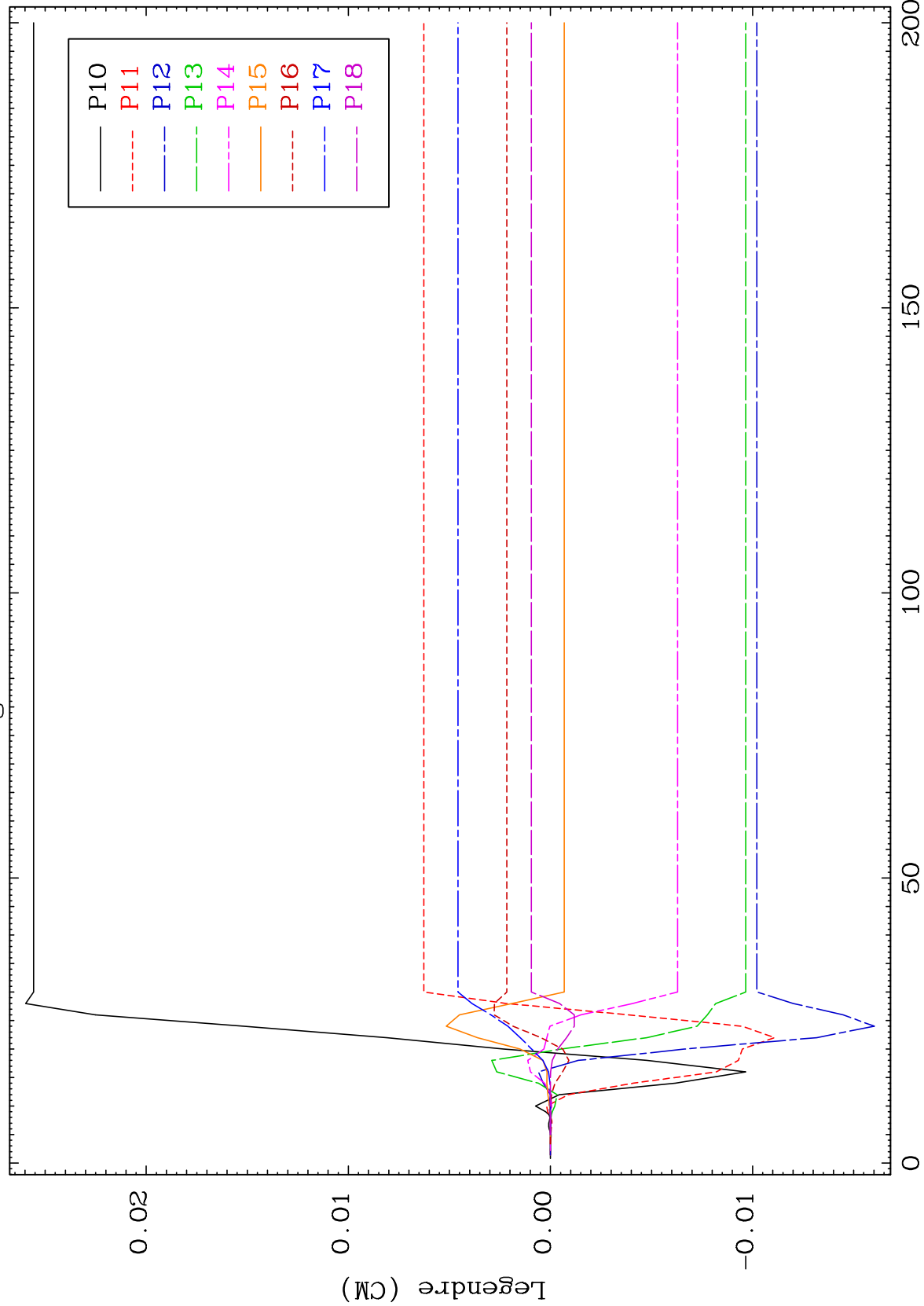
P8

P9

MAT 7343

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

73-Ta-186



21

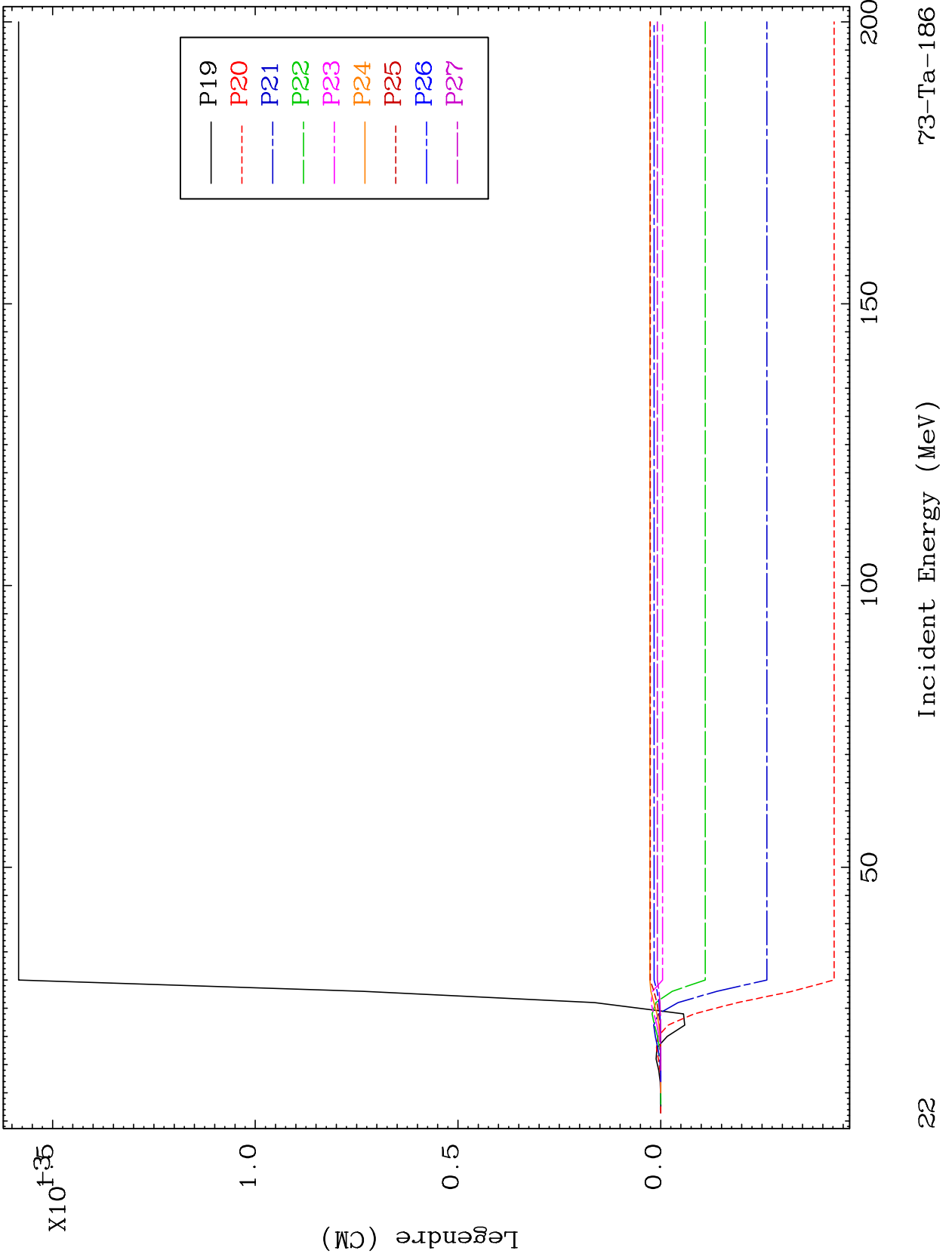
Incident Energy (MeV)

73-Ta-186

MAT 7343

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

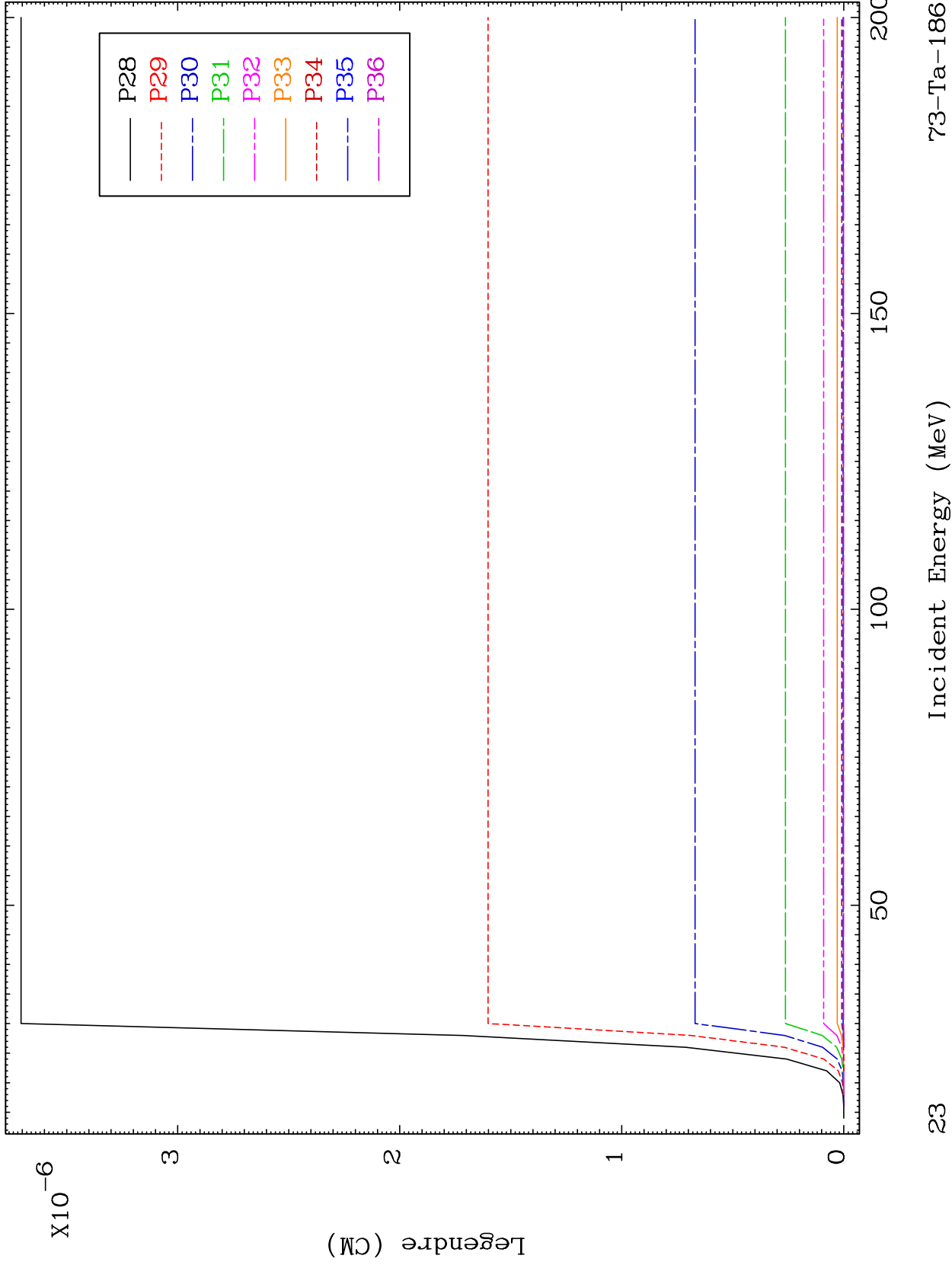
73-Ta-186



MAT 7343

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

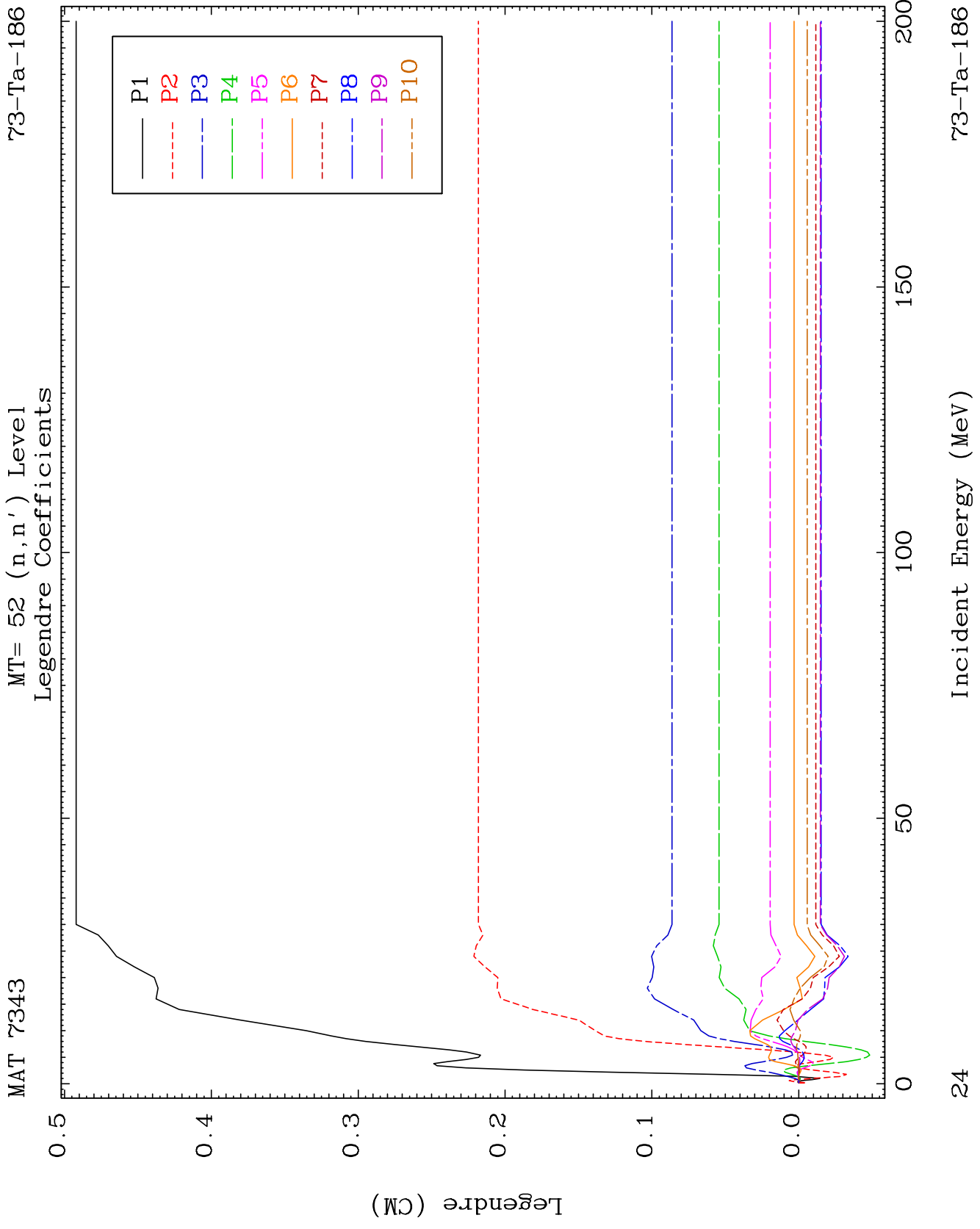
73-Ta-186



23

73-Ta-186

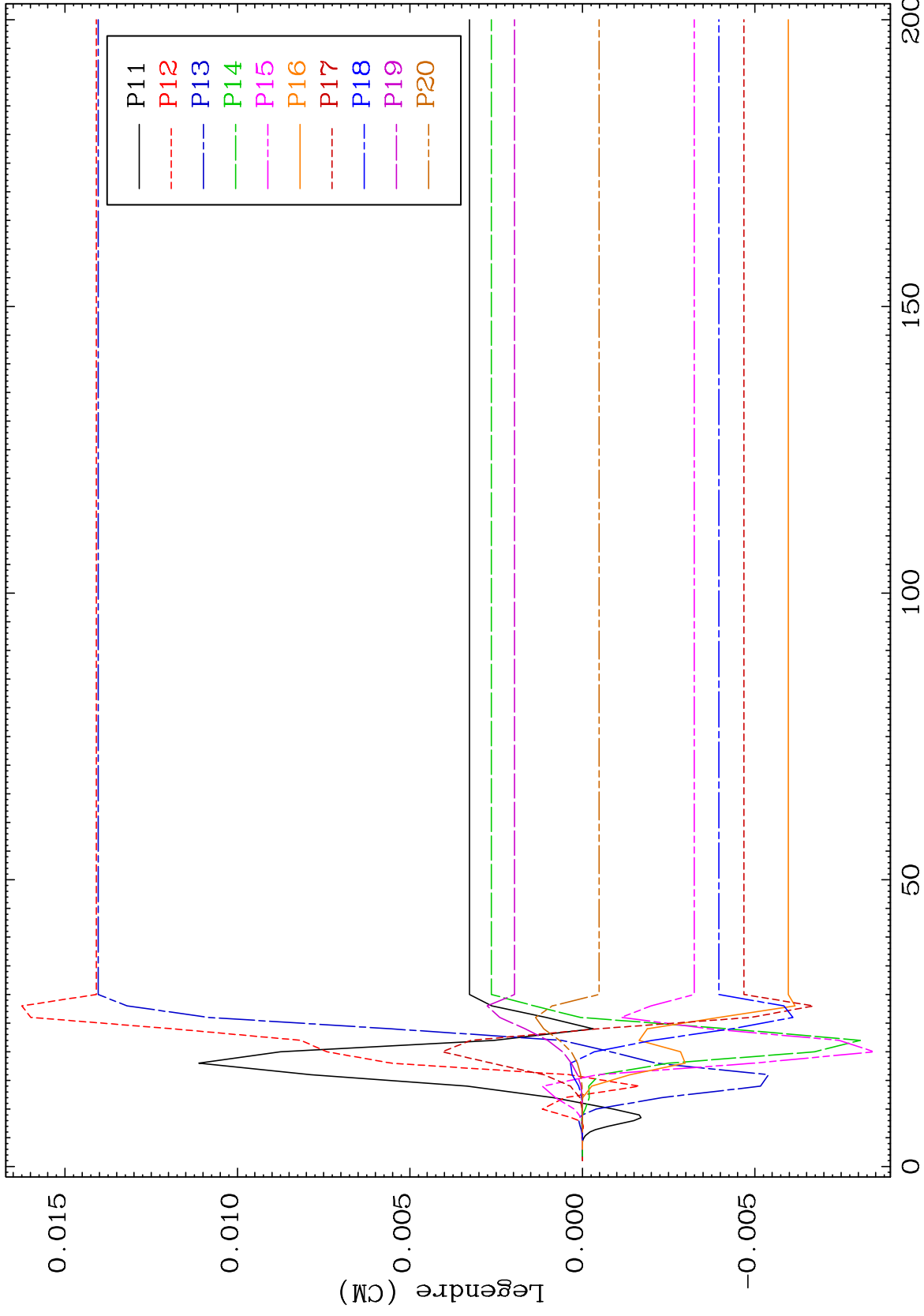




MAT 7343

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

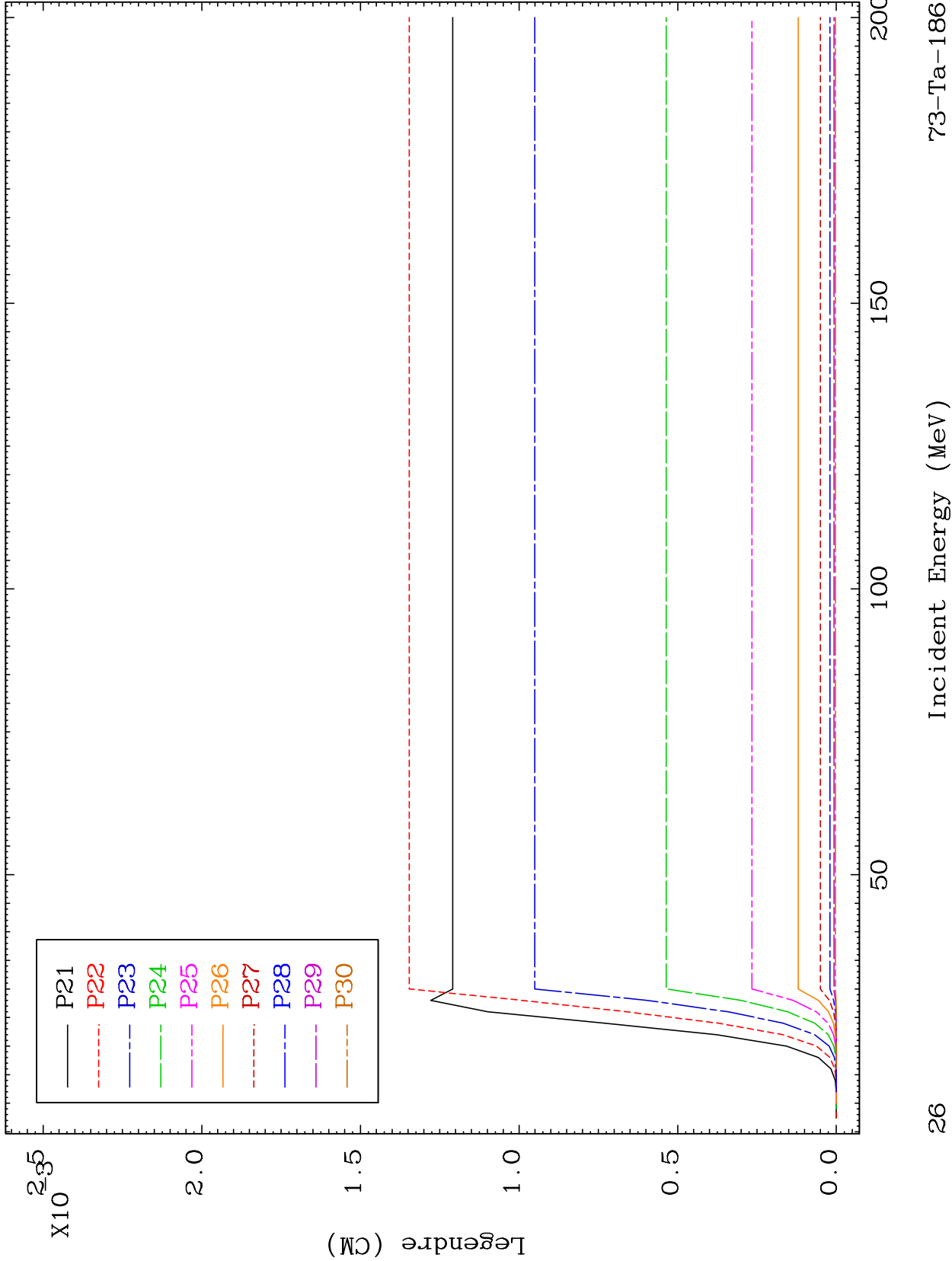
73-Ta-186



25

Incident Energy (MeV)

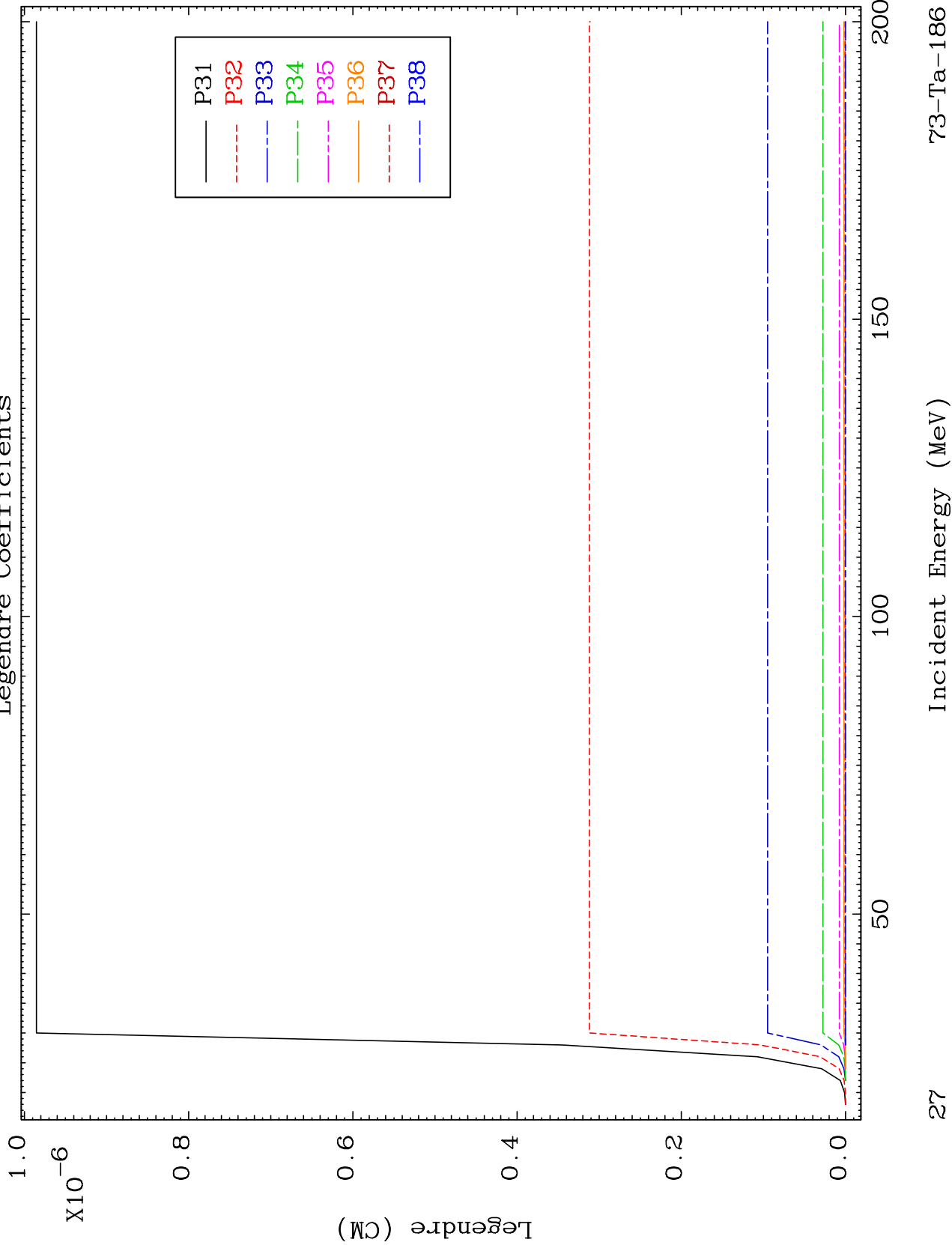
73-Ta-186



MAT 7343

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

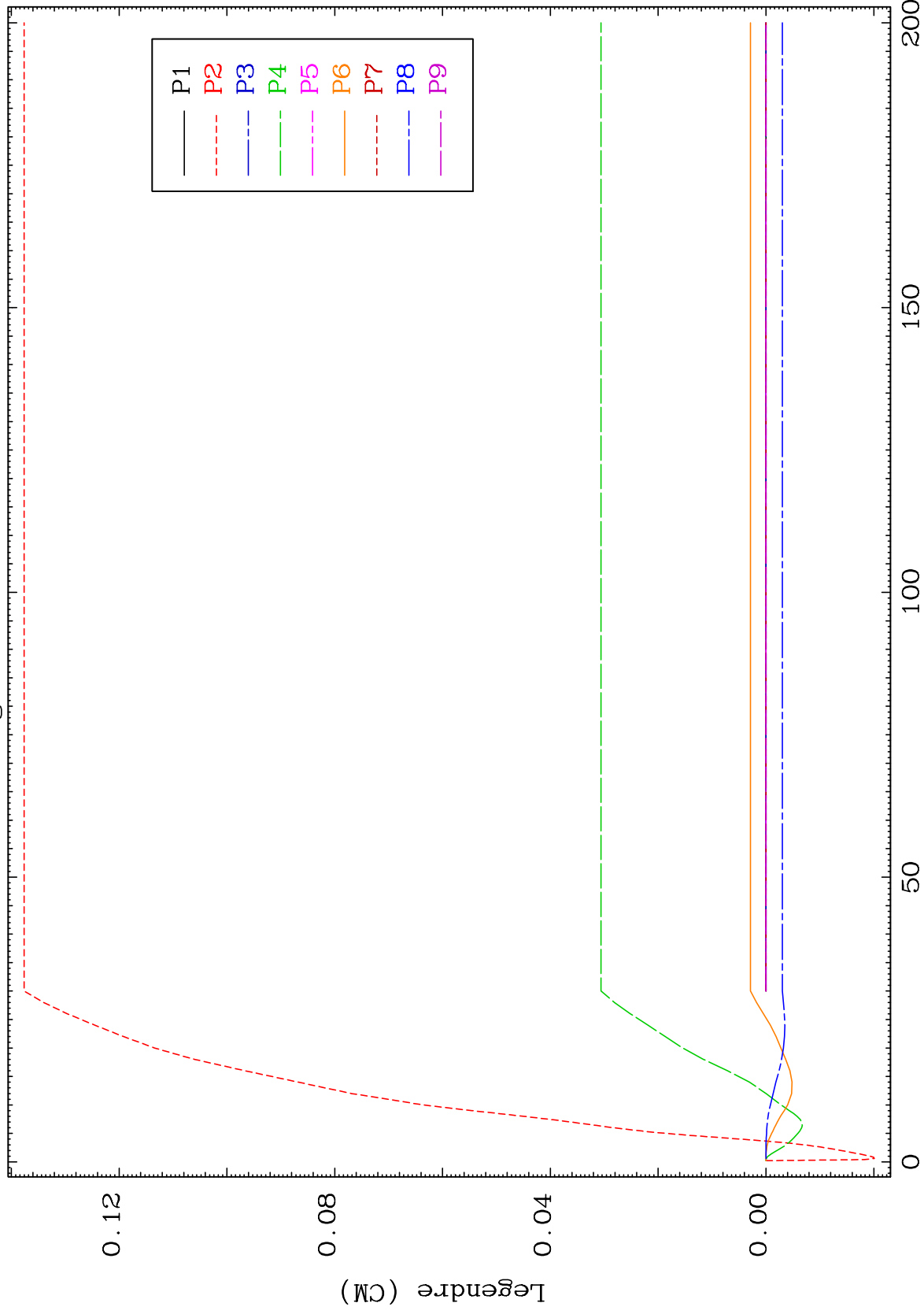
73-Ta-186



MAT 7343

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

73-Ta-186



73-Ta-186

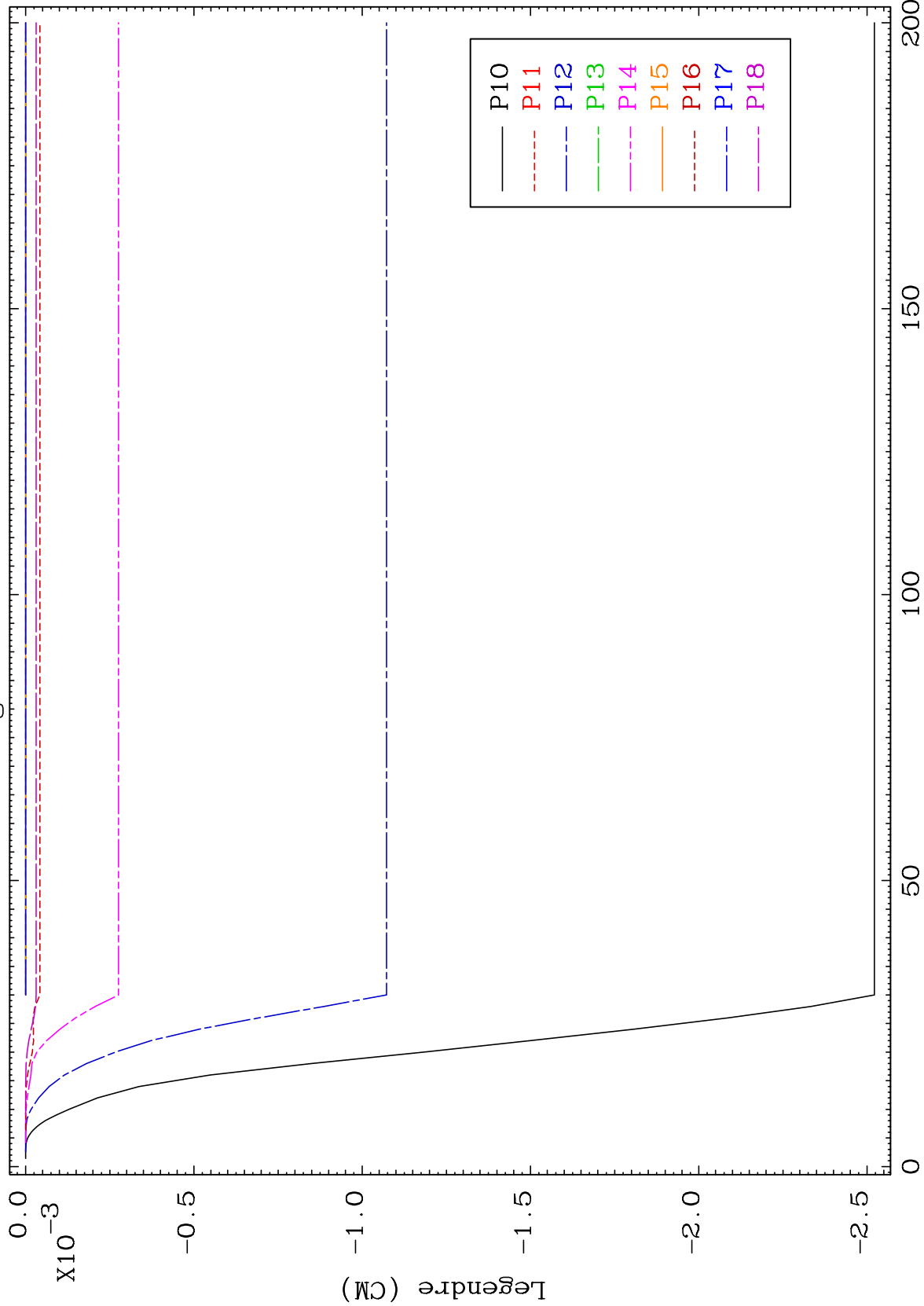
Incident Energy (MeV)

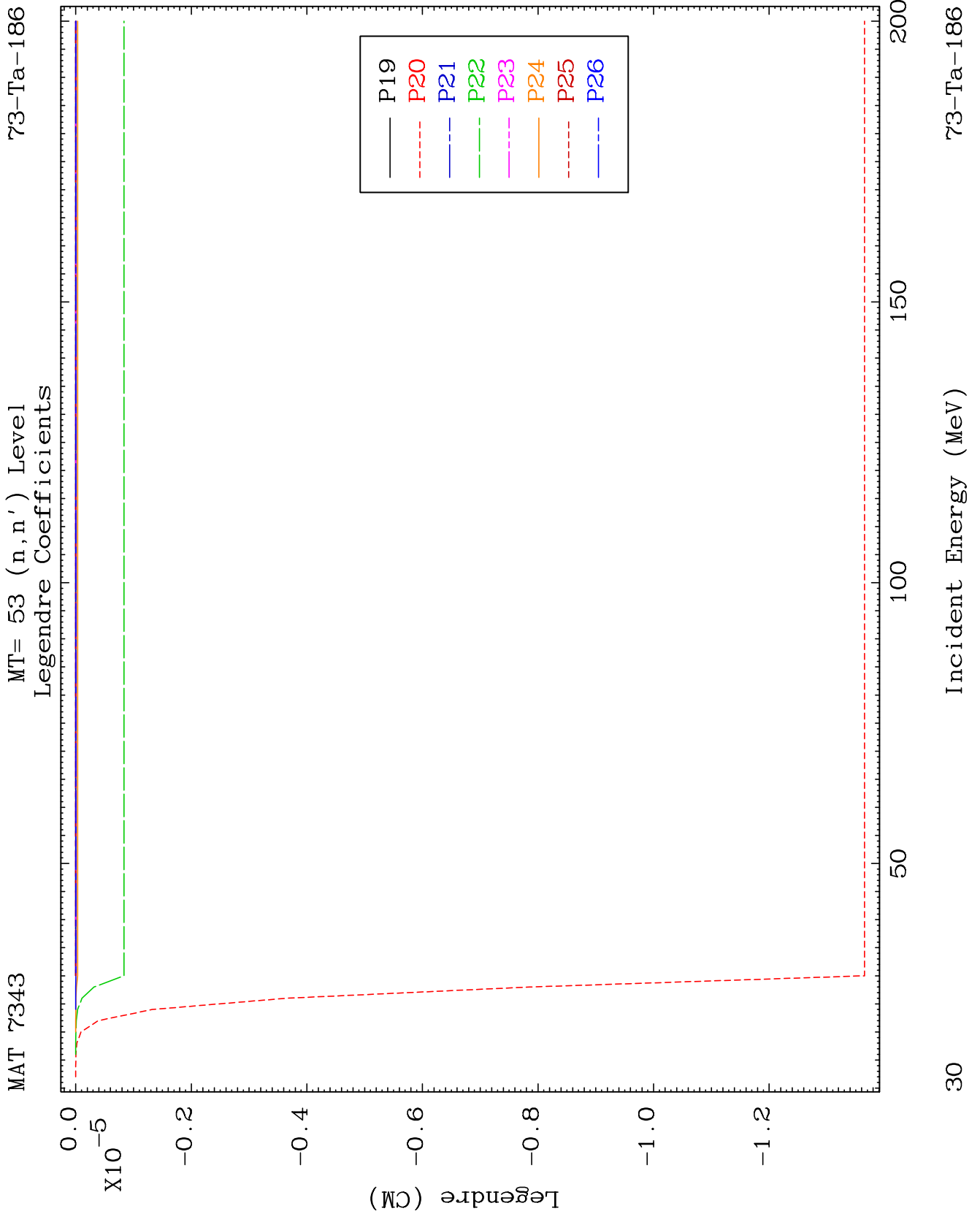
28

MAT 7343

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

73-Ta-186

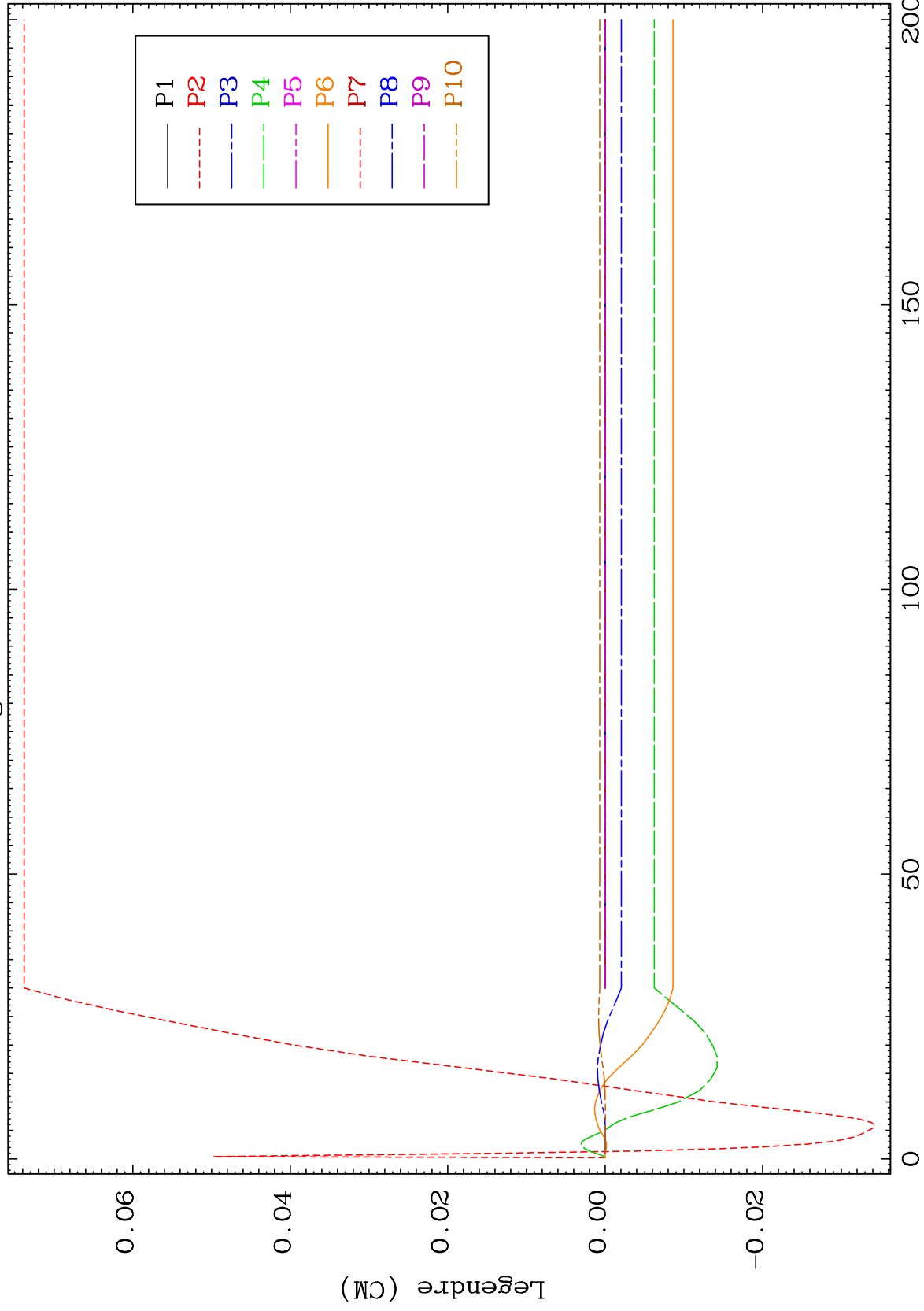




MAT 7343

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

73-Ta-186



31

Incident Energy (MeV)

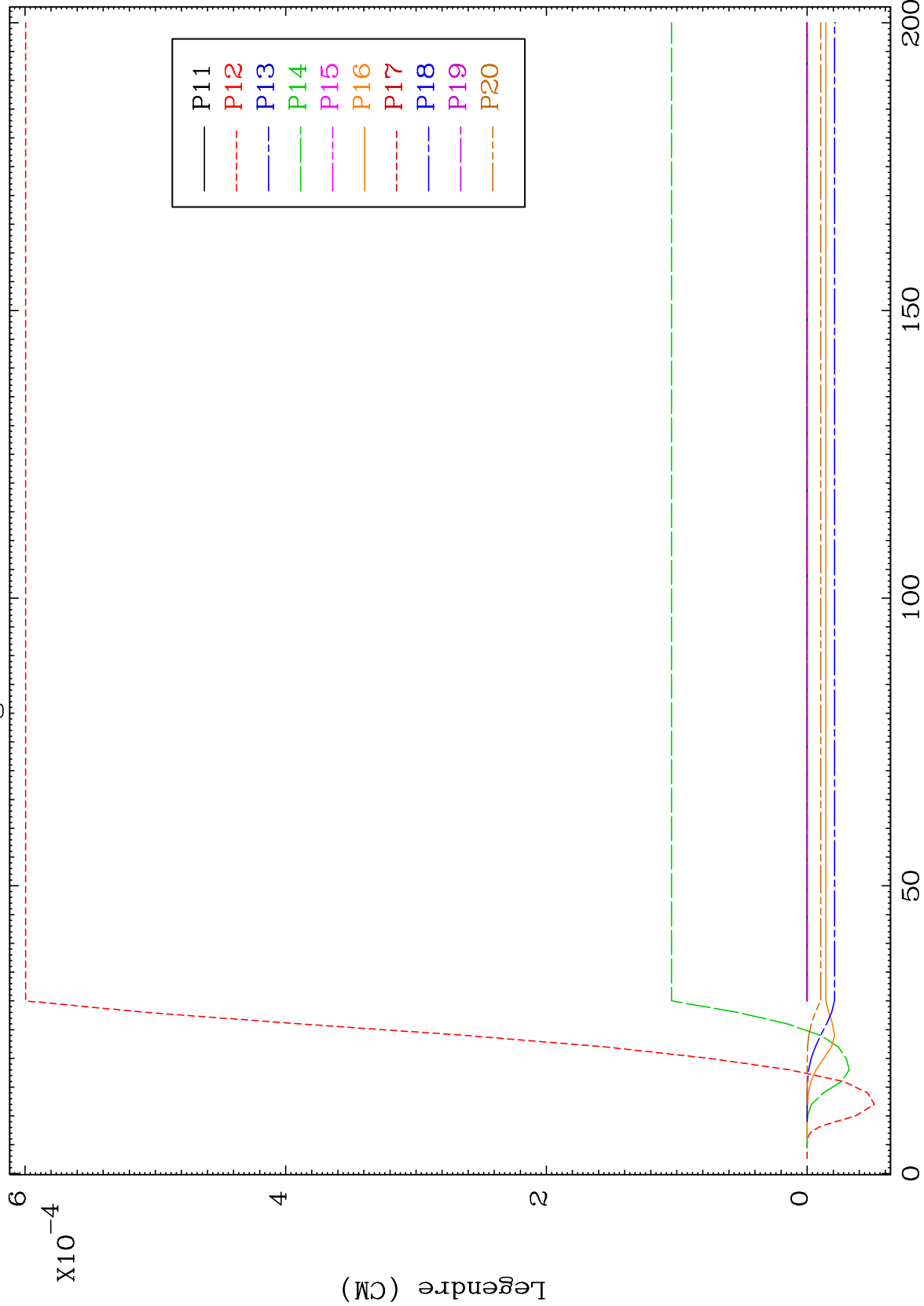
73-Ta-186



MAT 7343

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

73-Ta-186



32

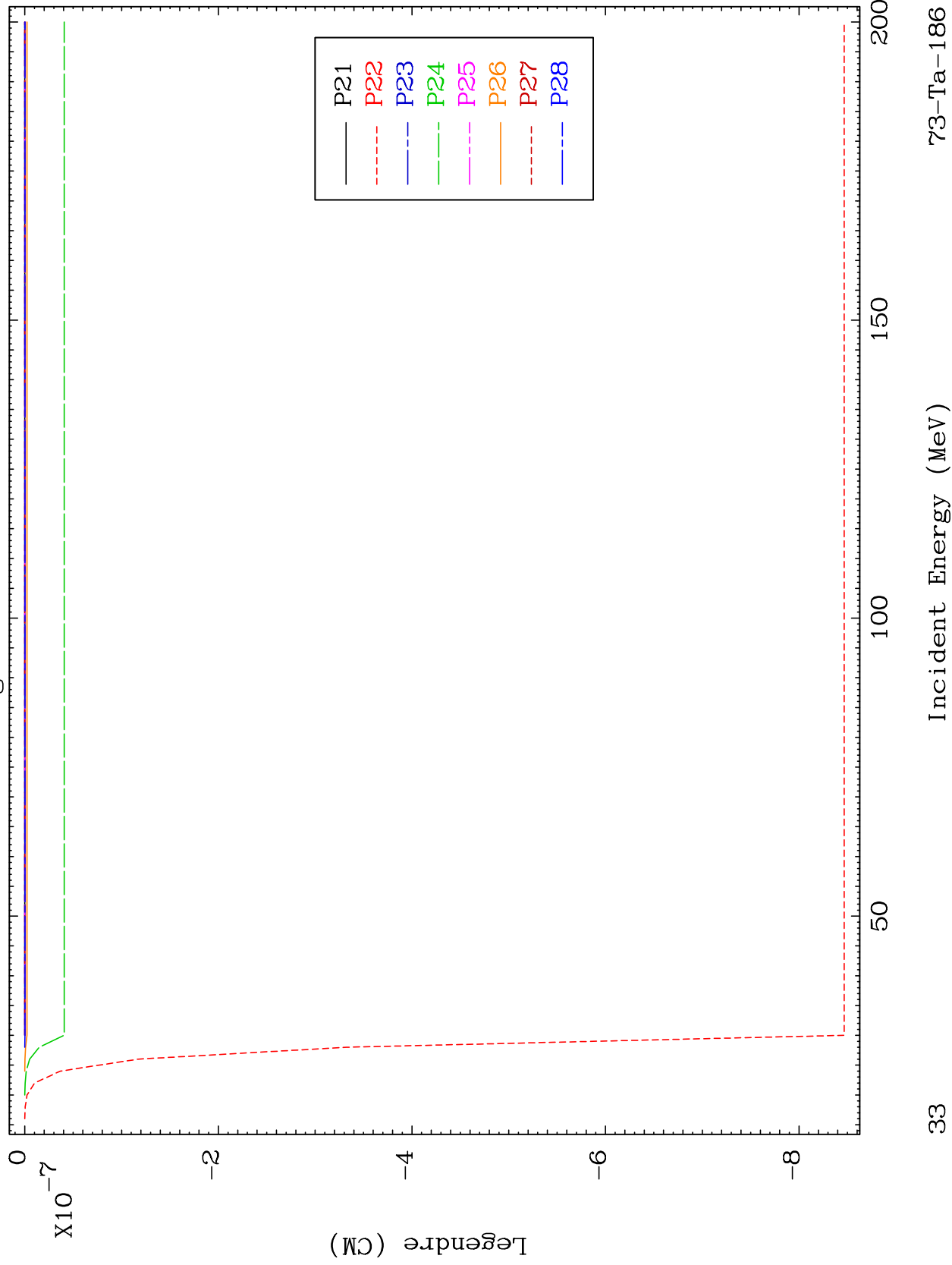
Incident Energy (MeV)

73-Ta-186

MAT 7343

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

73-Ta-186



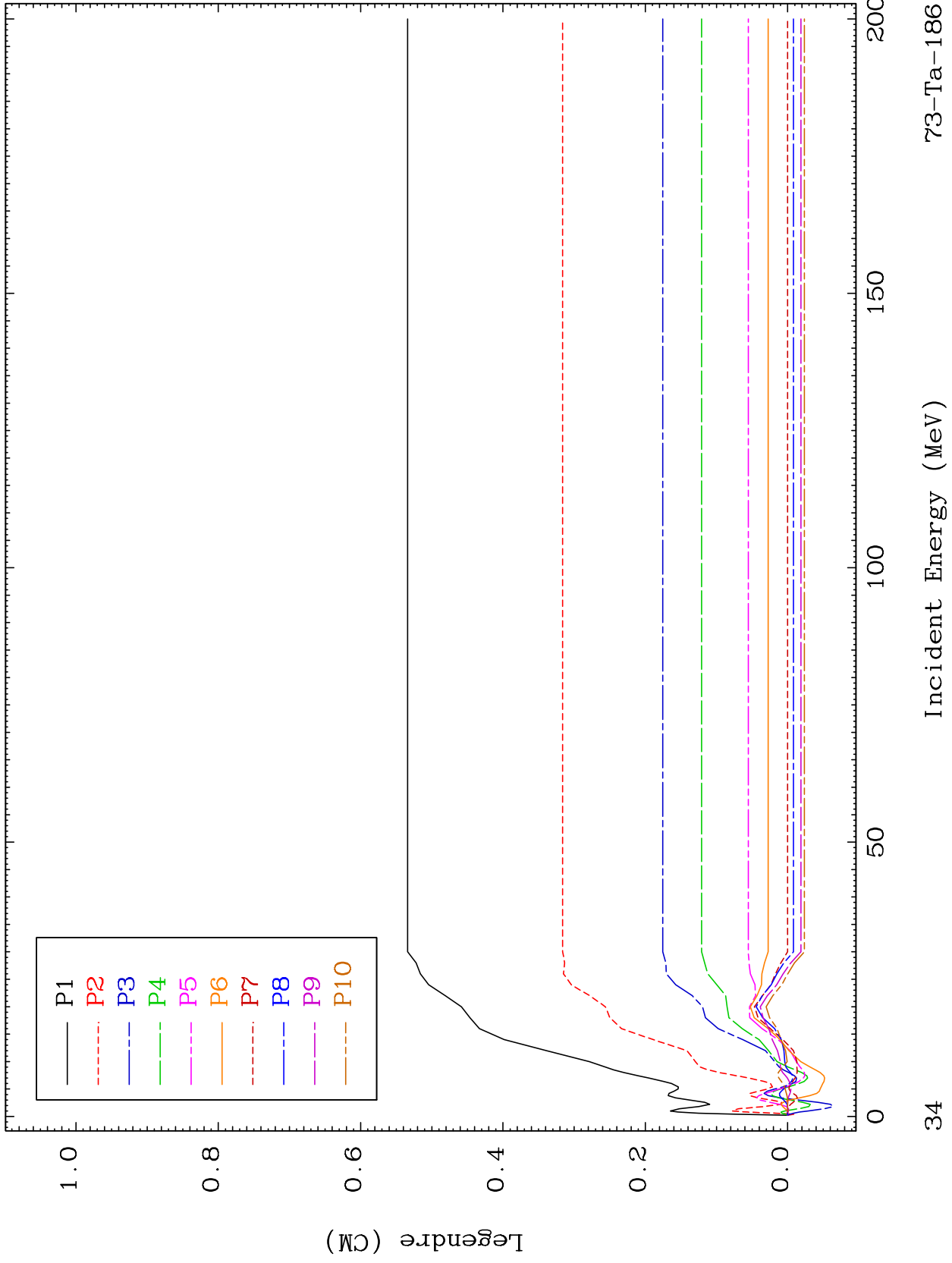
33

73-Ta-186

MAT 7343

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

<sup>73</sup>Ta-186



34

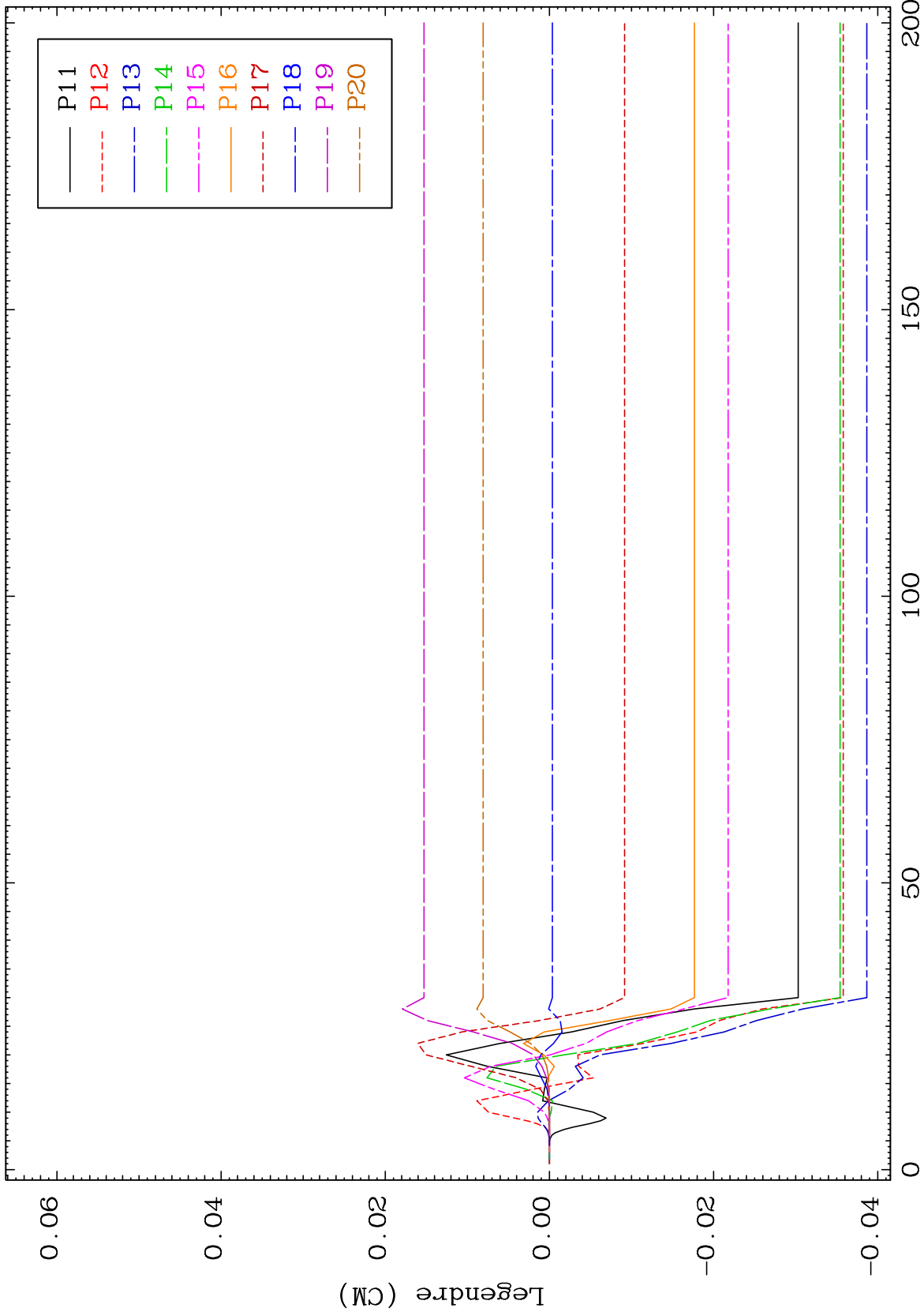
Incident Energy (MeV)

<sup>73</sup>Ta-186

MAT 7343

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

73-Ta-186



35

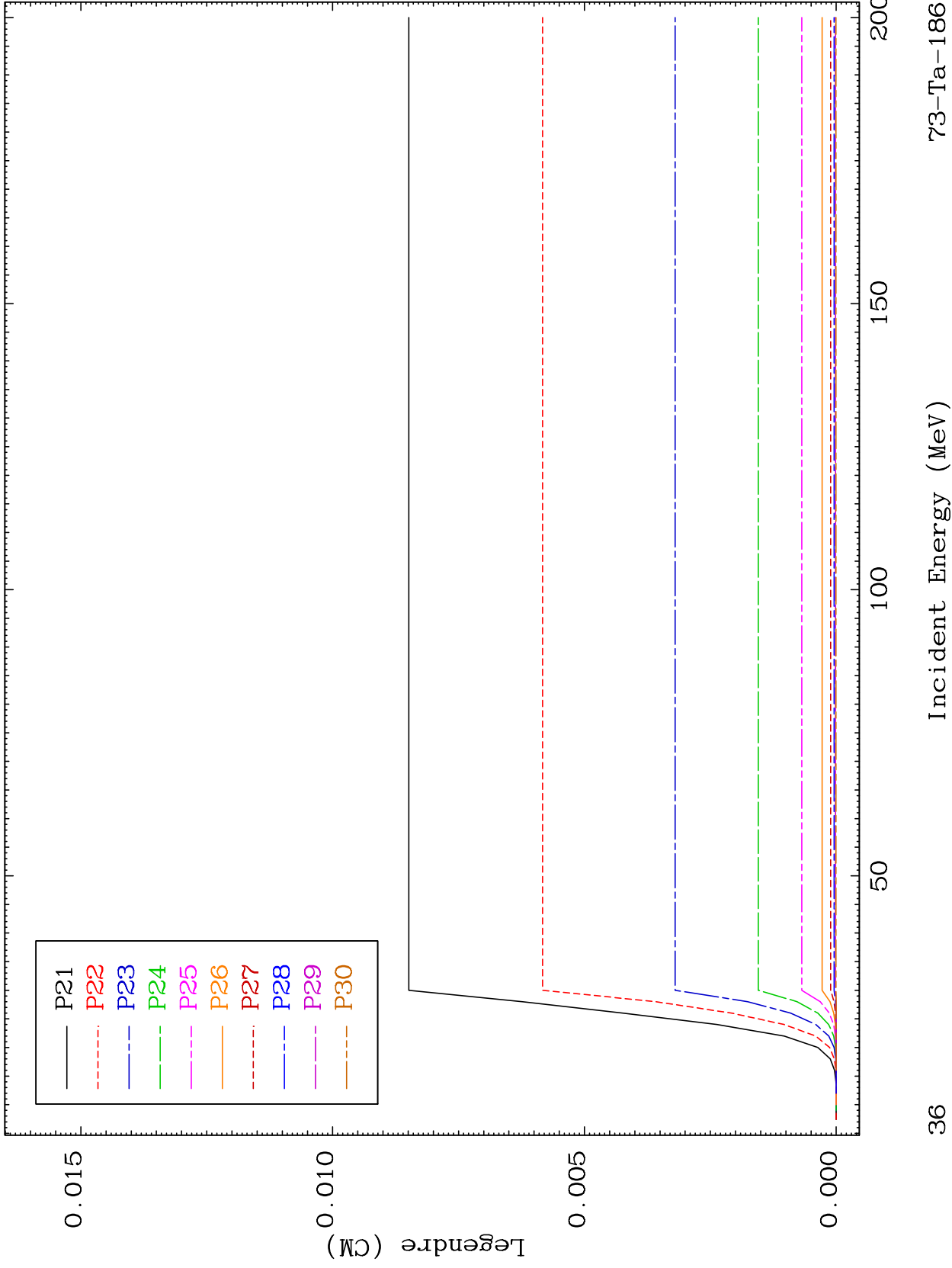
Incident Energy (MeV)

73-Ta-186

MAT 7343

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

73-Ta-186



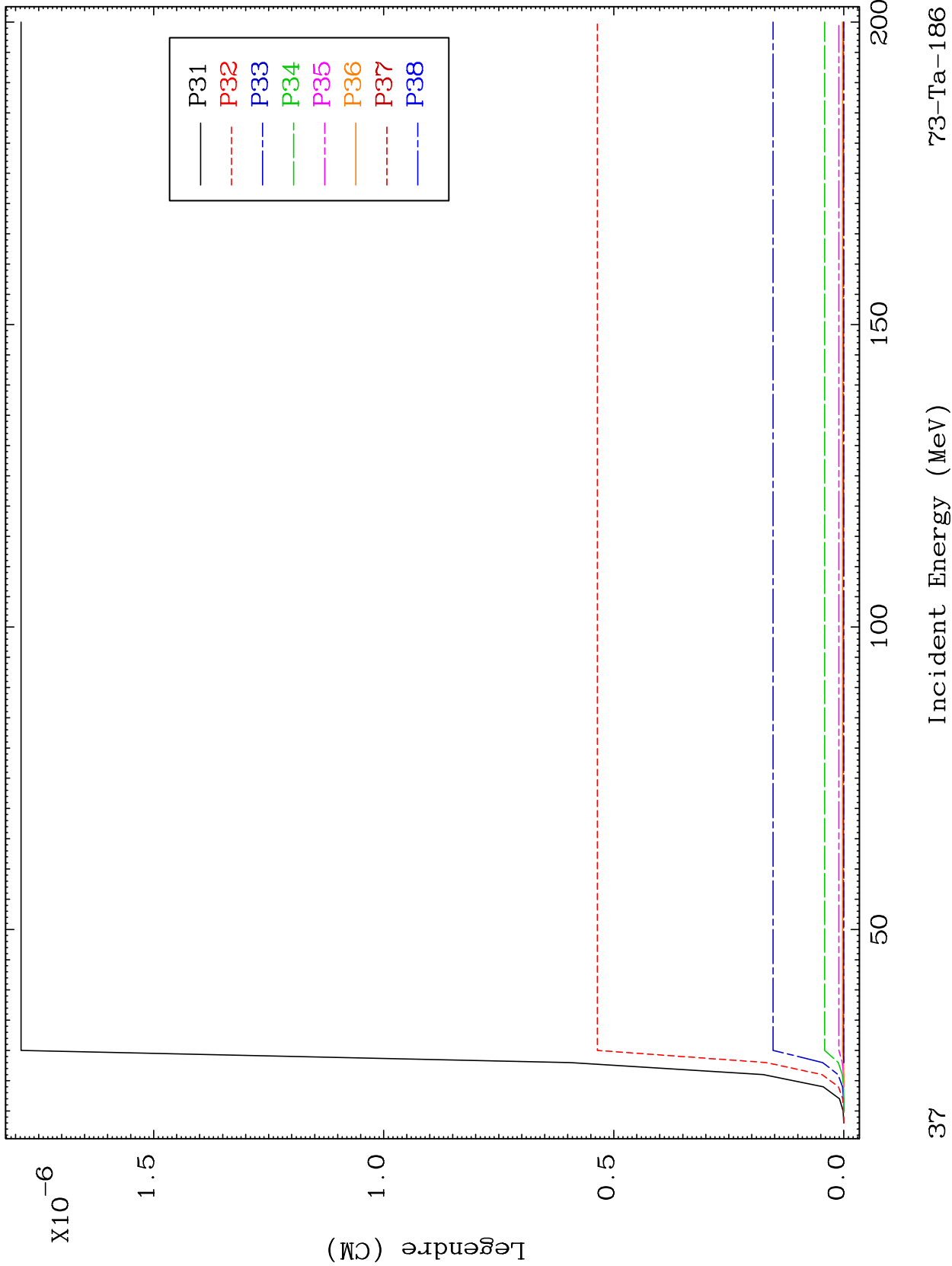
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73-Ta-186

MAT 7343

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

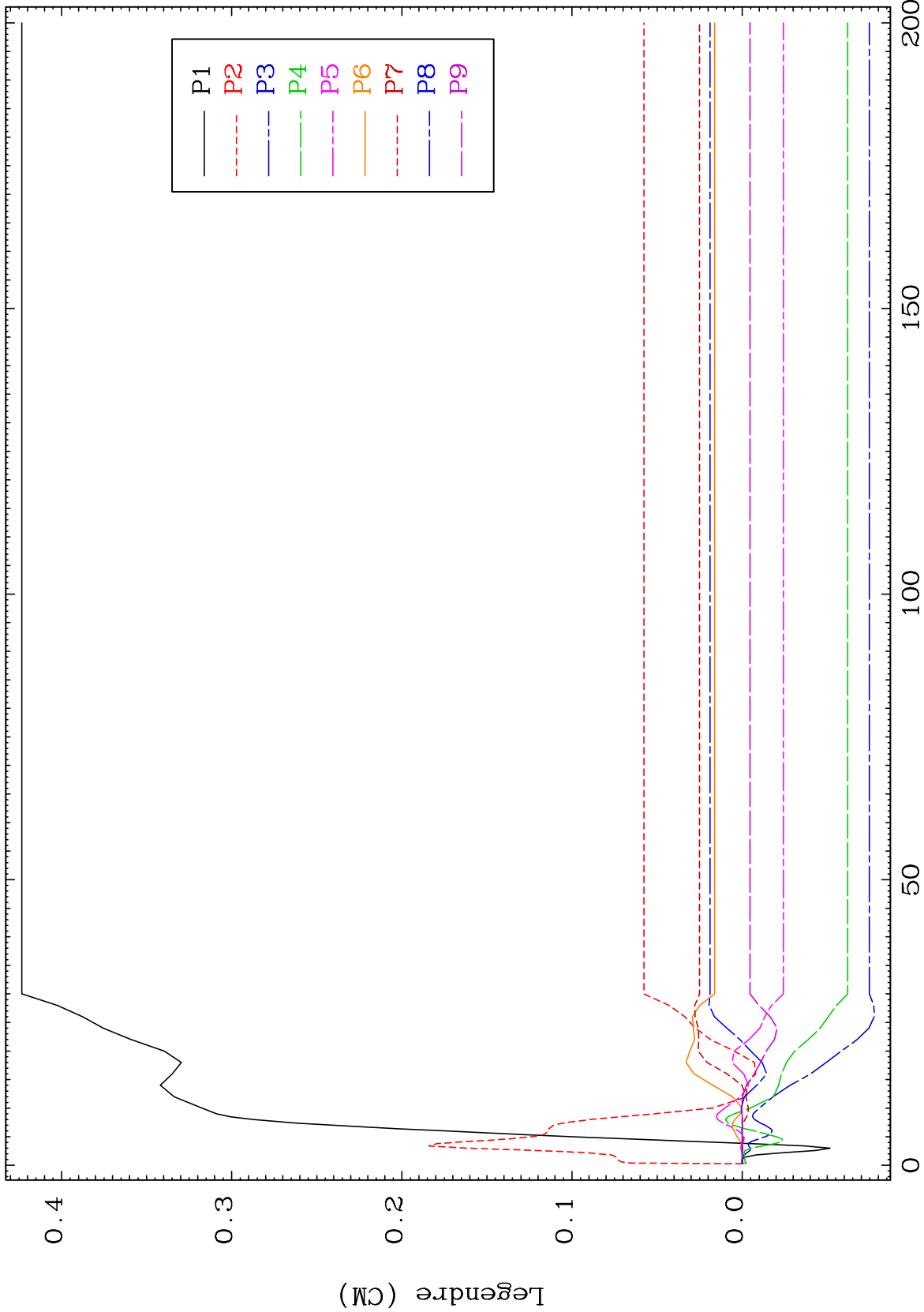
73-Ta-186



MAT 7343

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

73-Ta-186



38

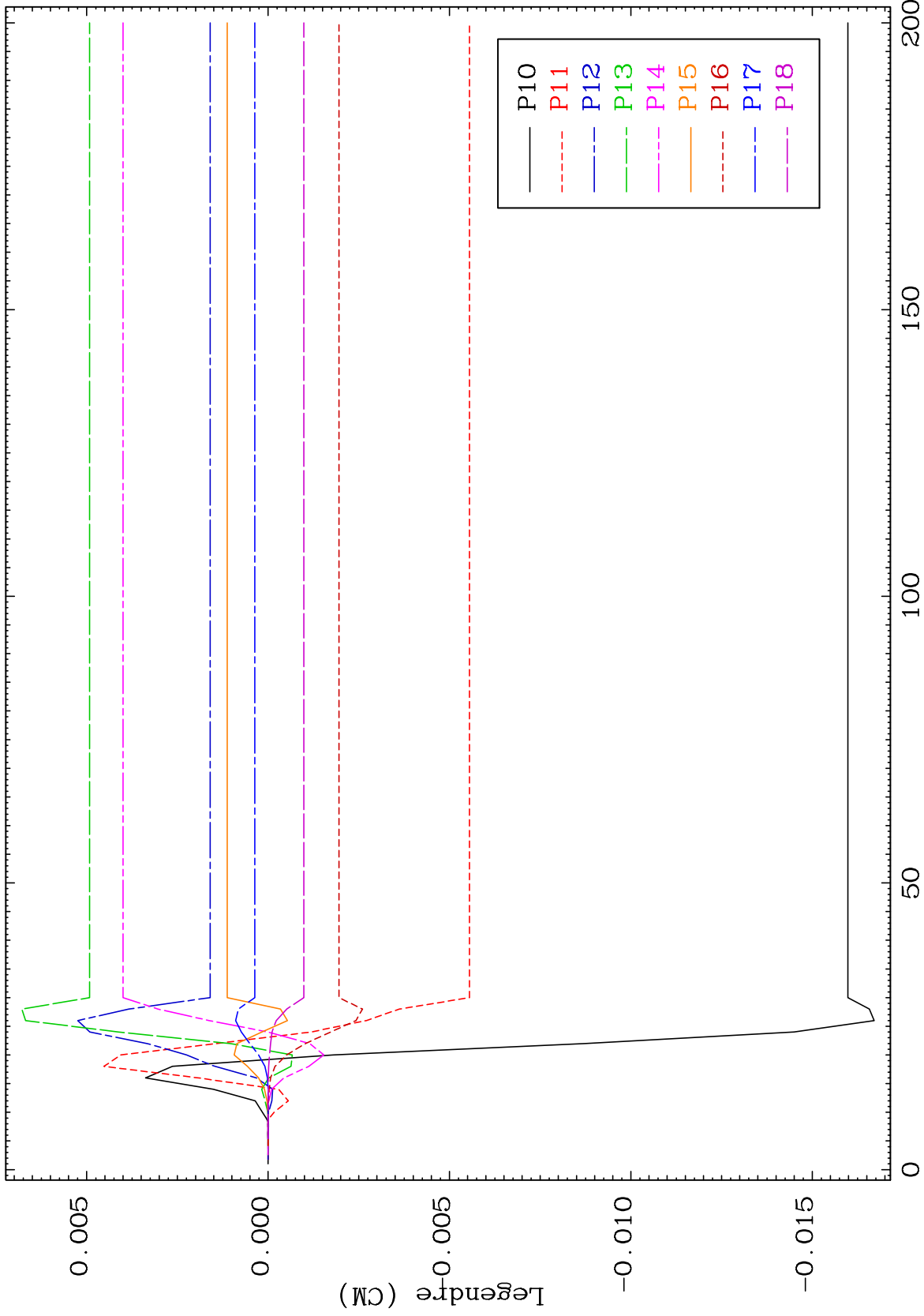
Incident Energy (MeV)

73-Ta-186

MAT 7343

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

73-Ta-186



39

Incident Energy (MeV)

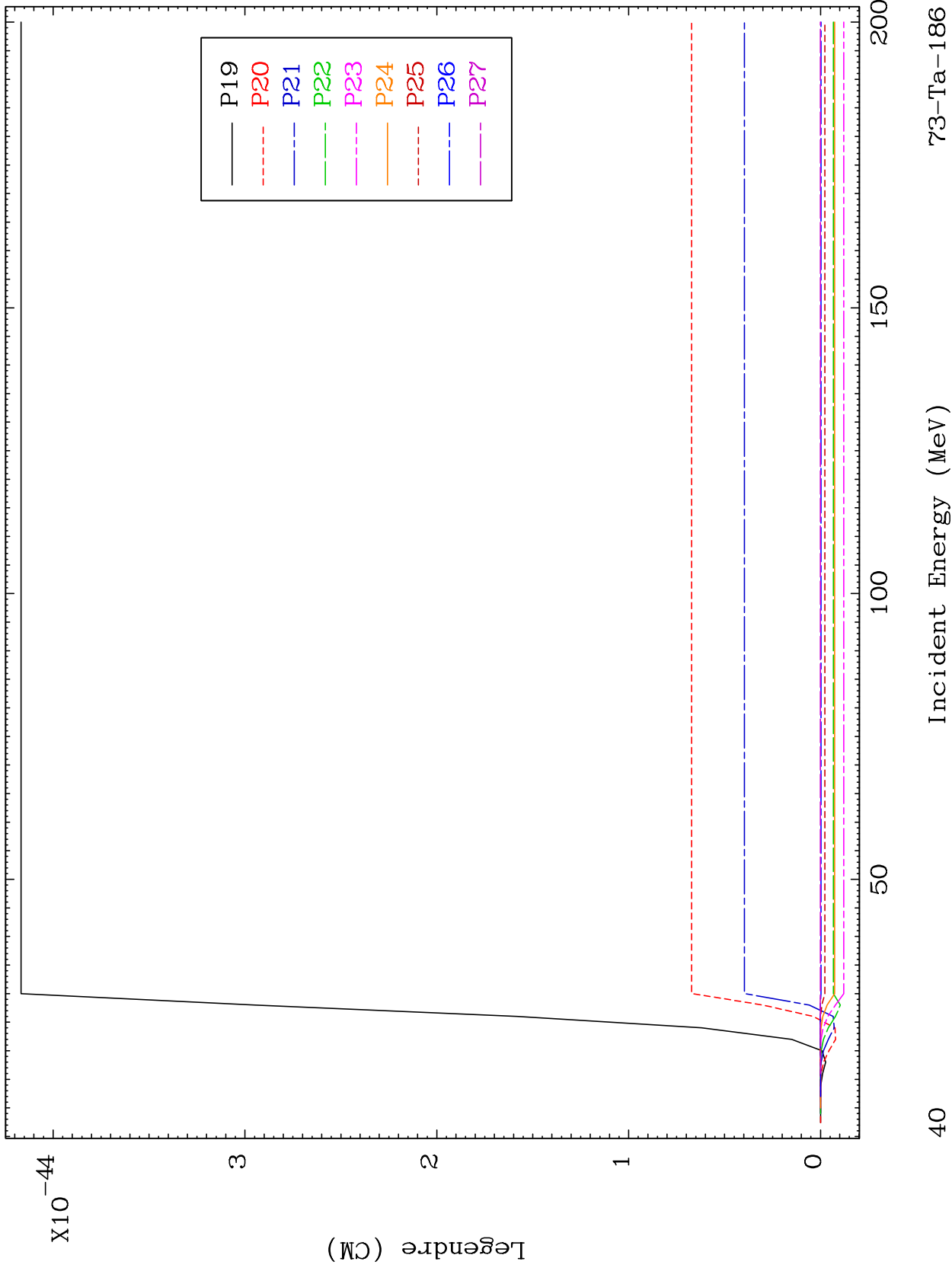
73-Ta-186



MAT 7343

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

73-Ta-186



73-Ta-186

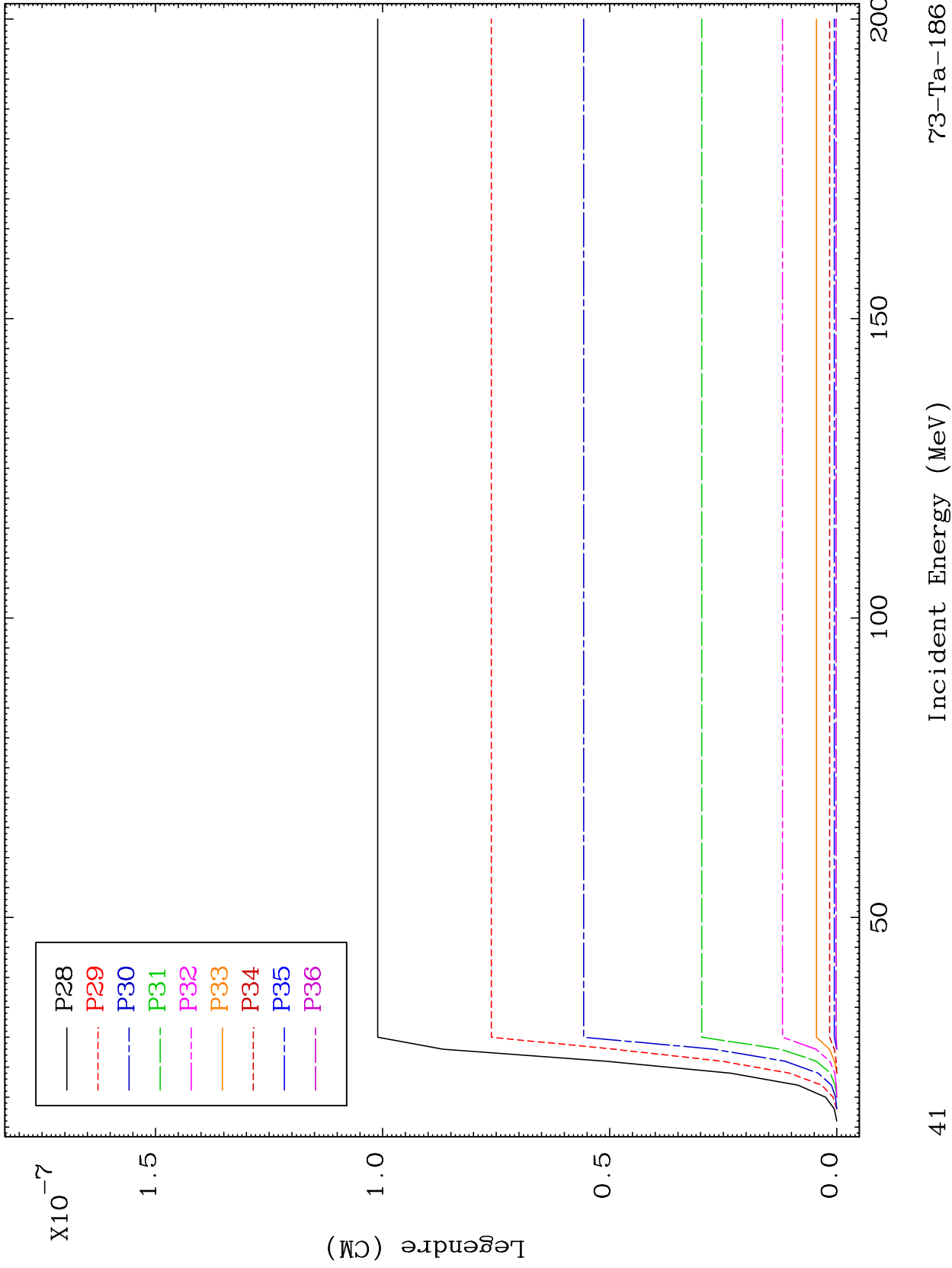
Incident Energy (MeV)

40

MAT 7343

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

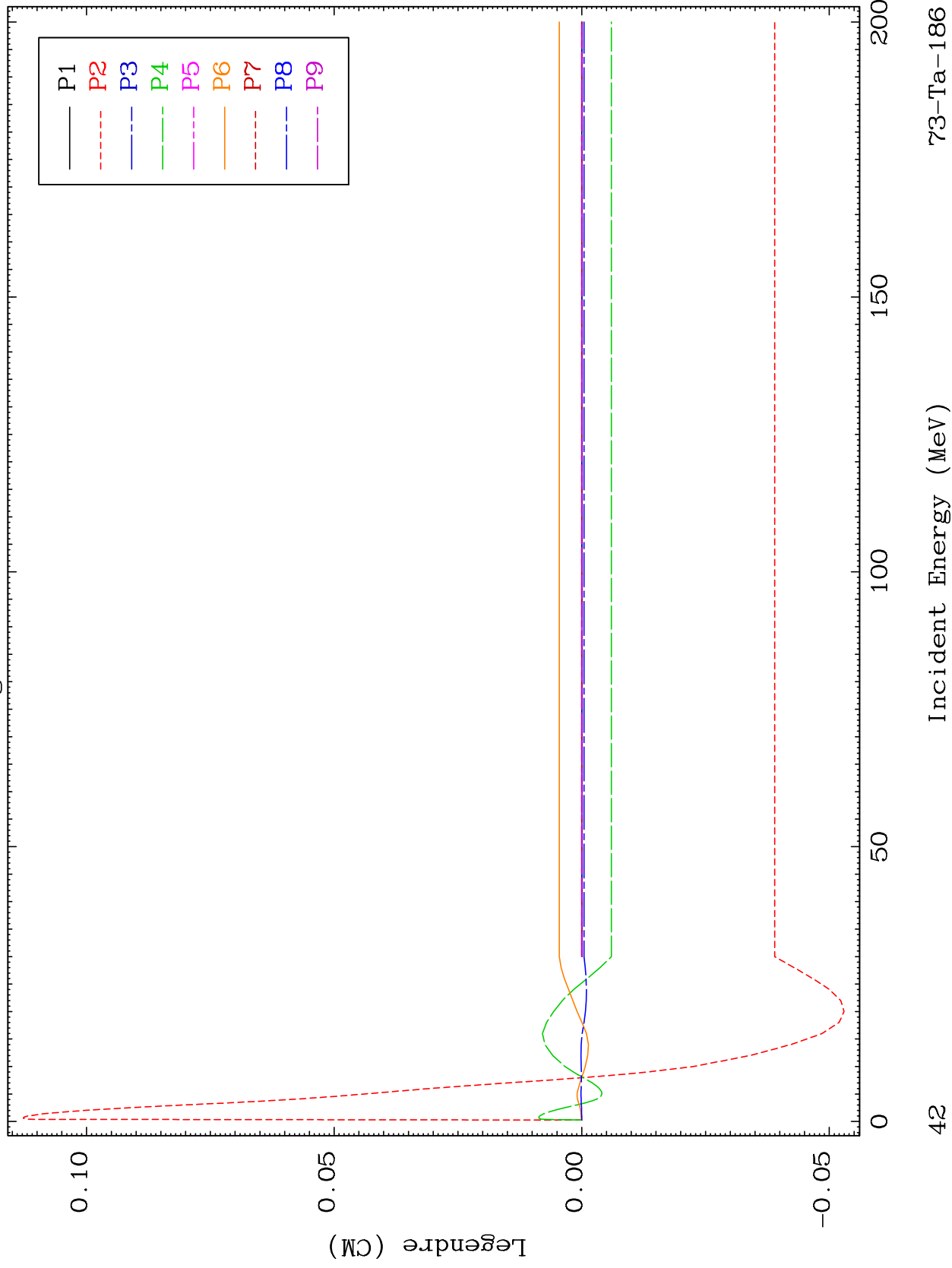
73-Ta-186



MAT 7343

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

73-Ta-186



73-Ta-186

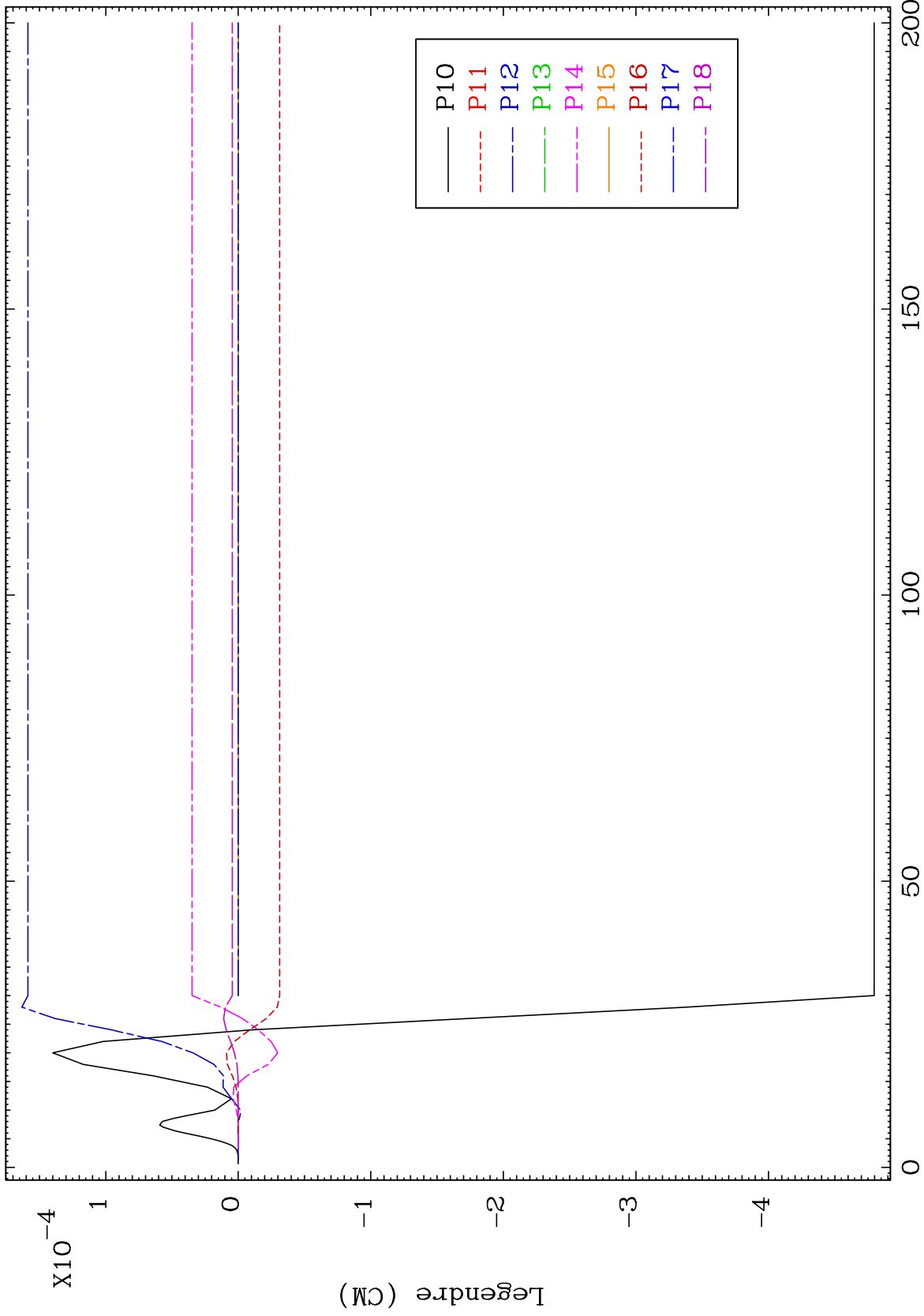
Incident Energy (MeV)

42

MAT 7343

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

73-Ta-186



43

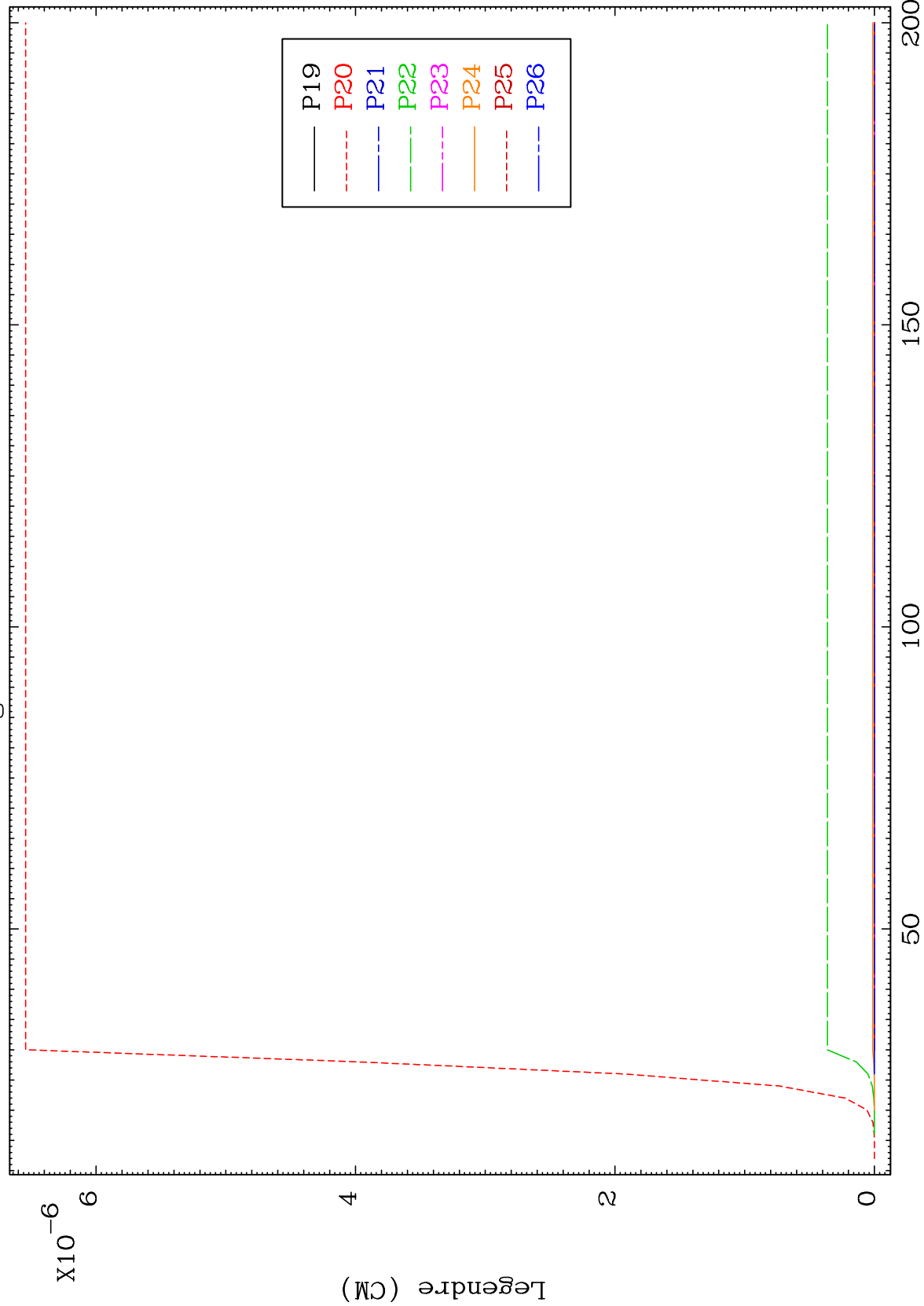
Incident Energy (MeV)

73-Ta-186

MAT 7343

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

73-Ta-186



44

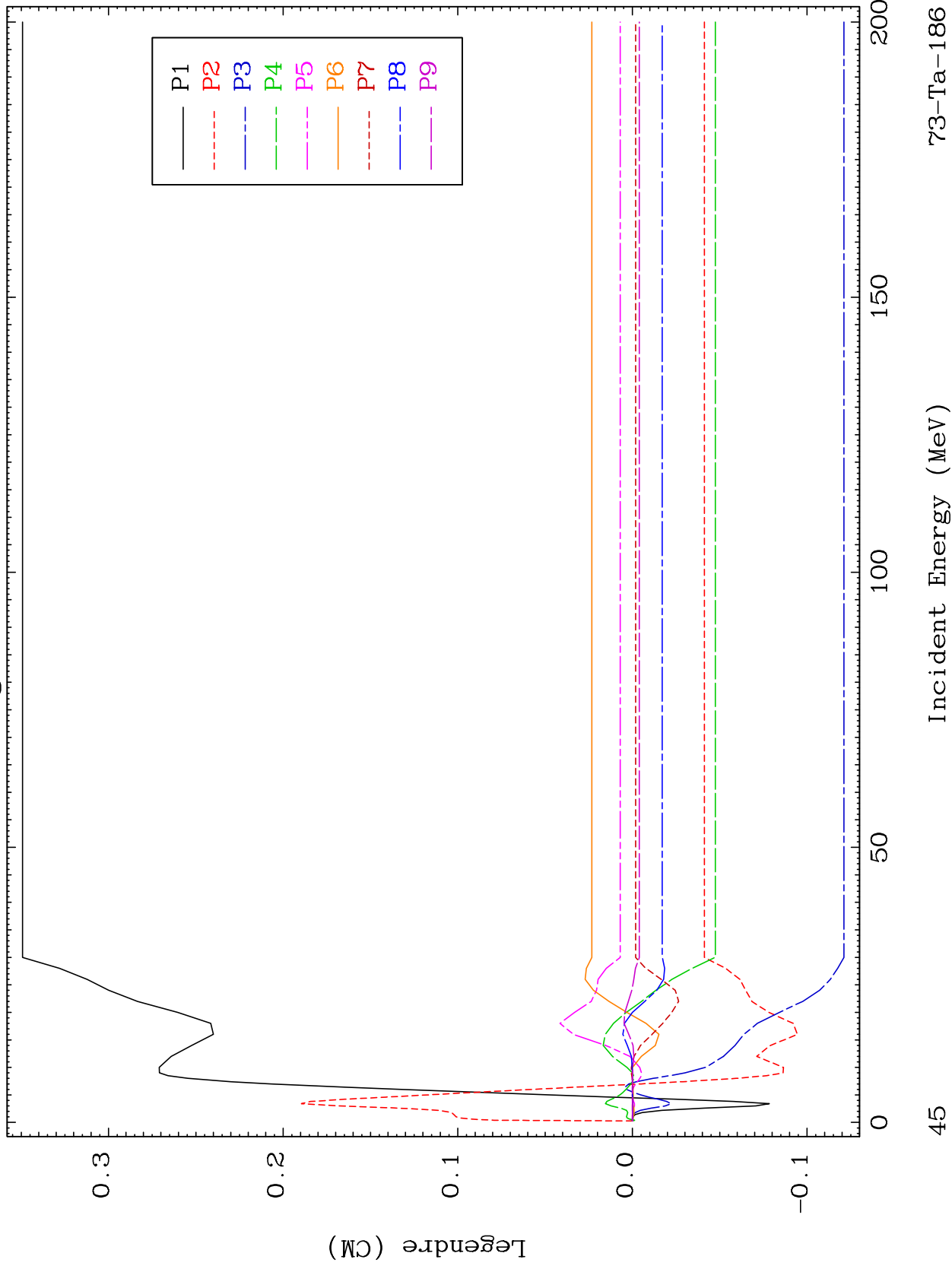
Incident Energy (MeV)

73-Ta-186

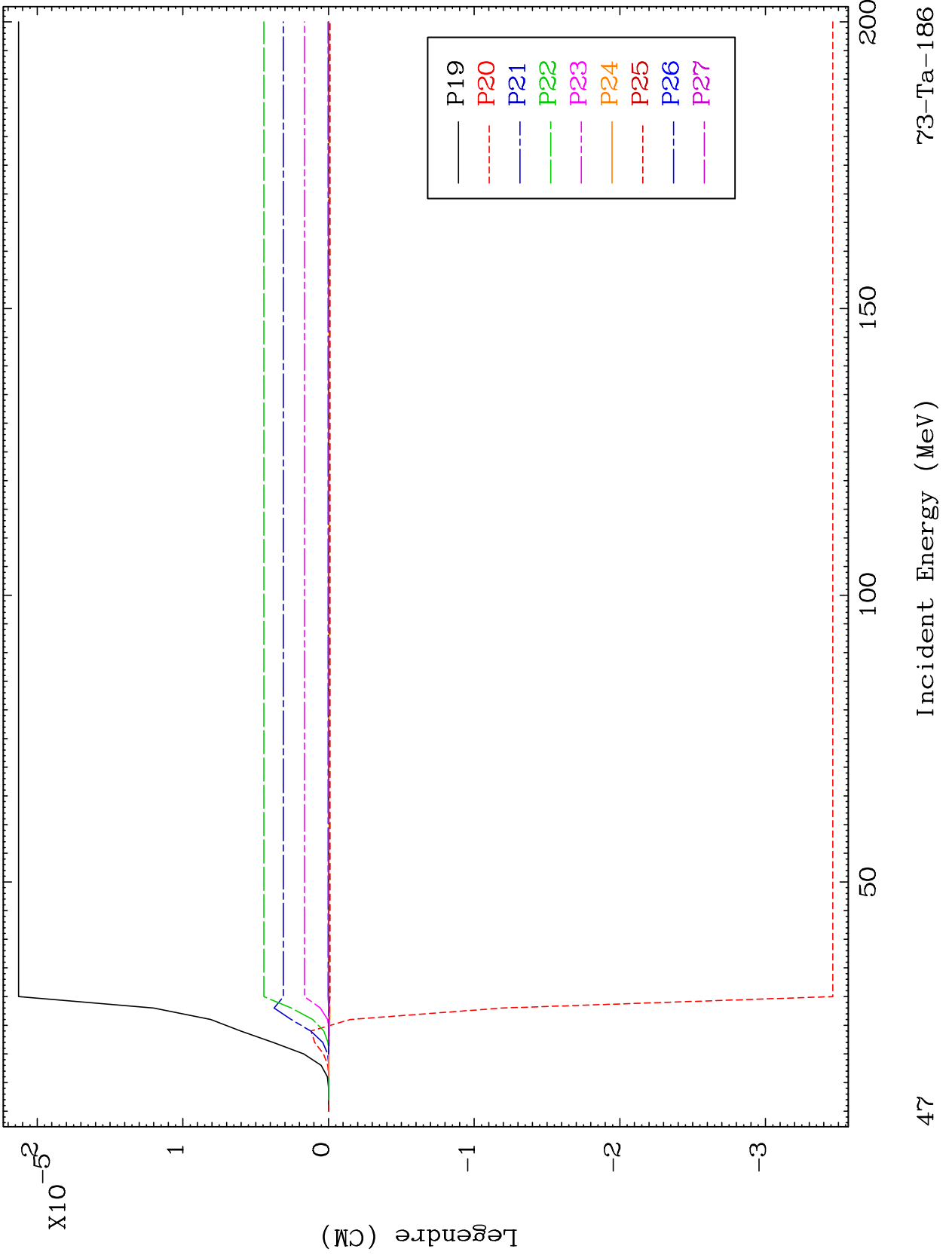
MAT 7343

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

73-Ta-186





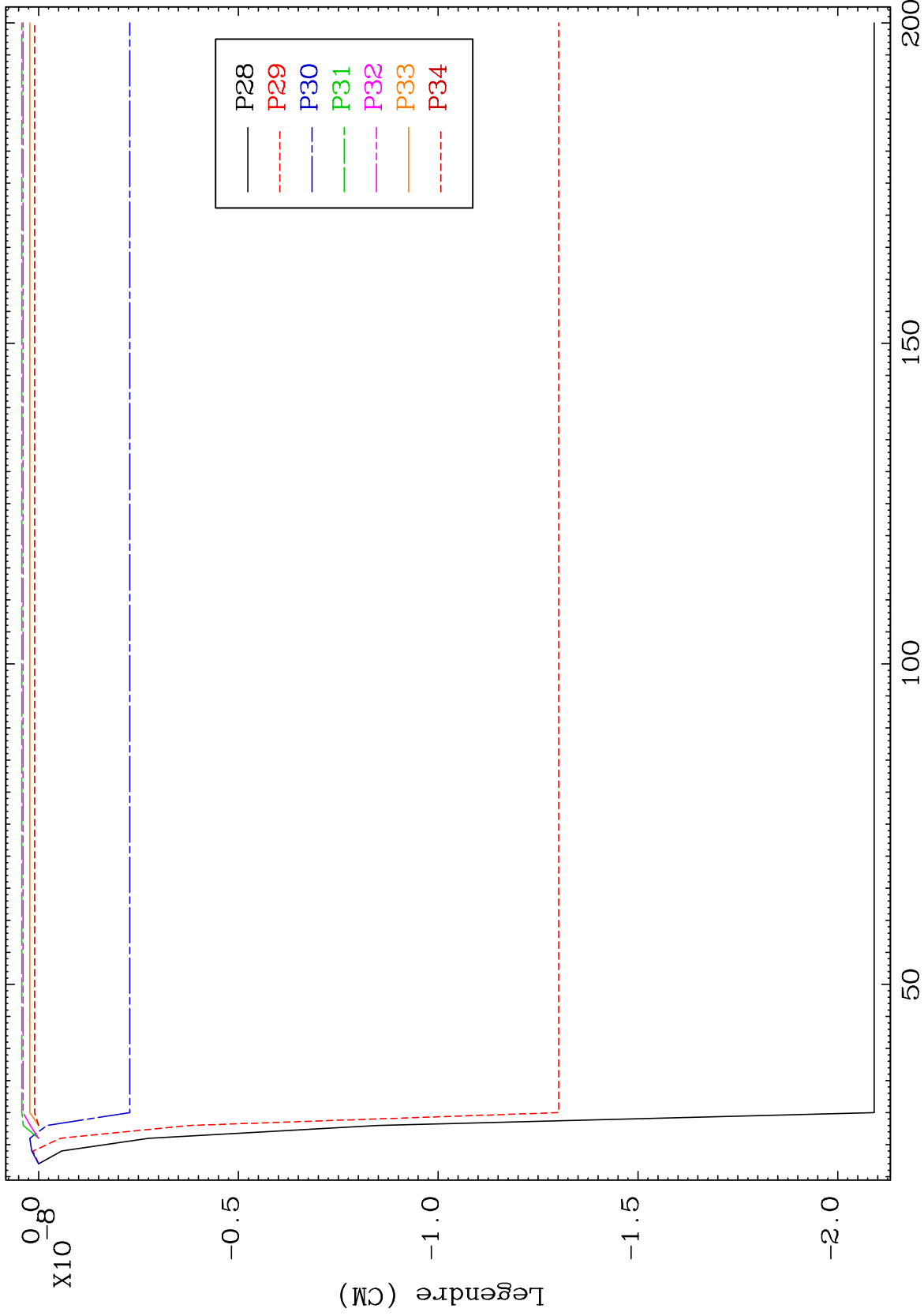




MAT 7343

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

73-Ta-186



48

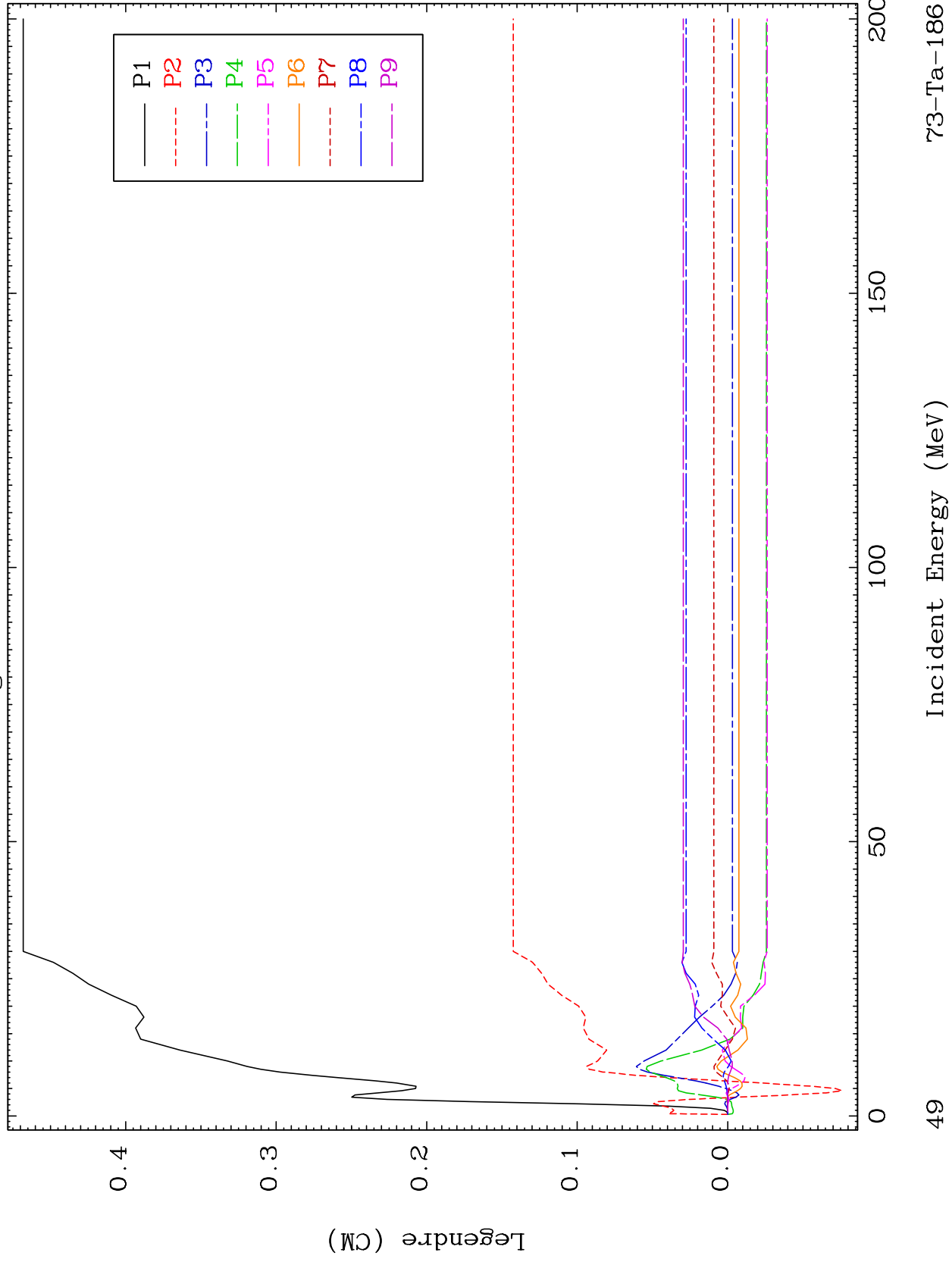
Incident Energy (MeV)

73-Ta-186

MAT 7343

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

73-Ta-186

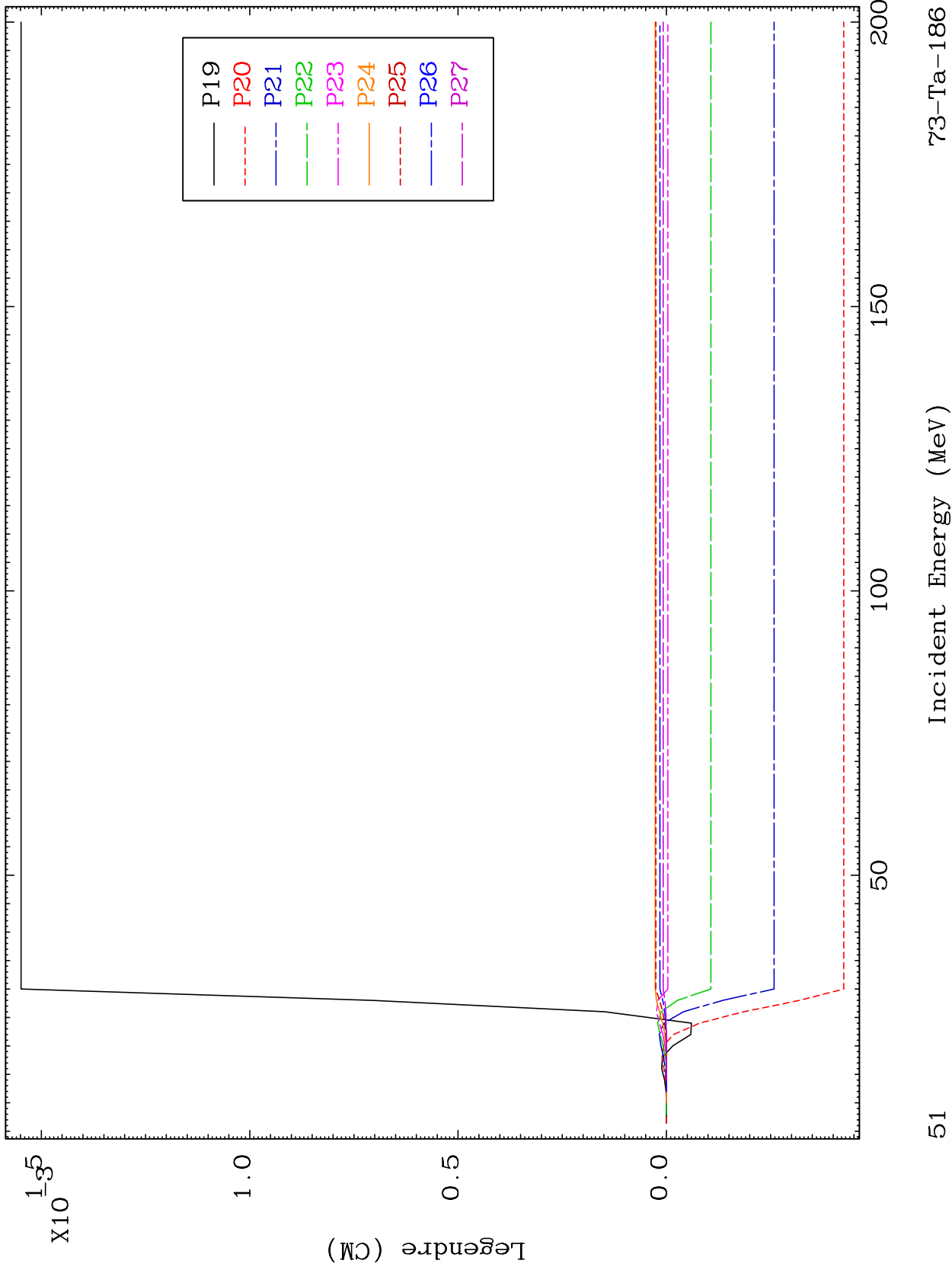


73-Ta-186

Incident Energy (MeV)

49

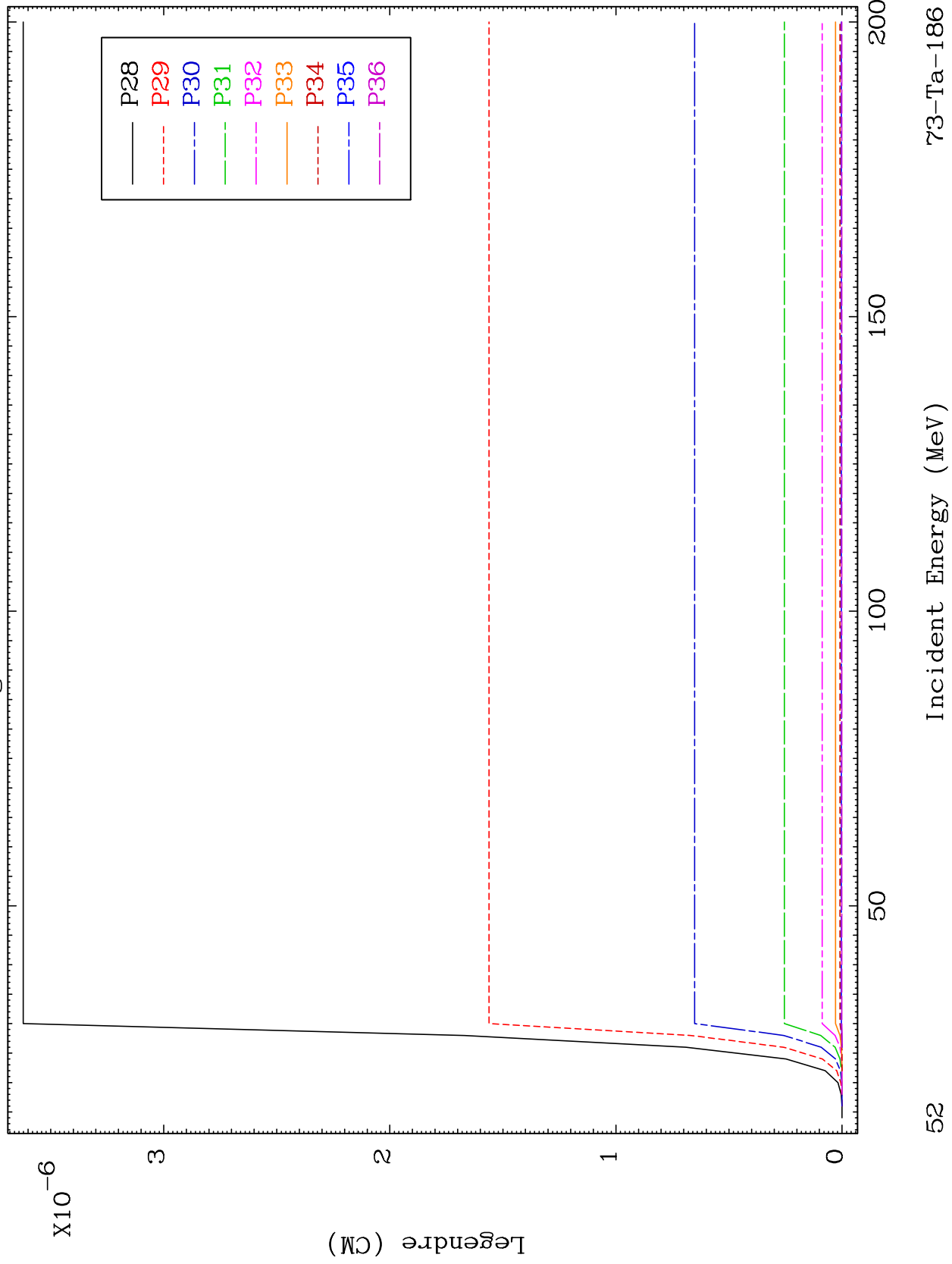




MAT 7343

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

73-Ta-186



52

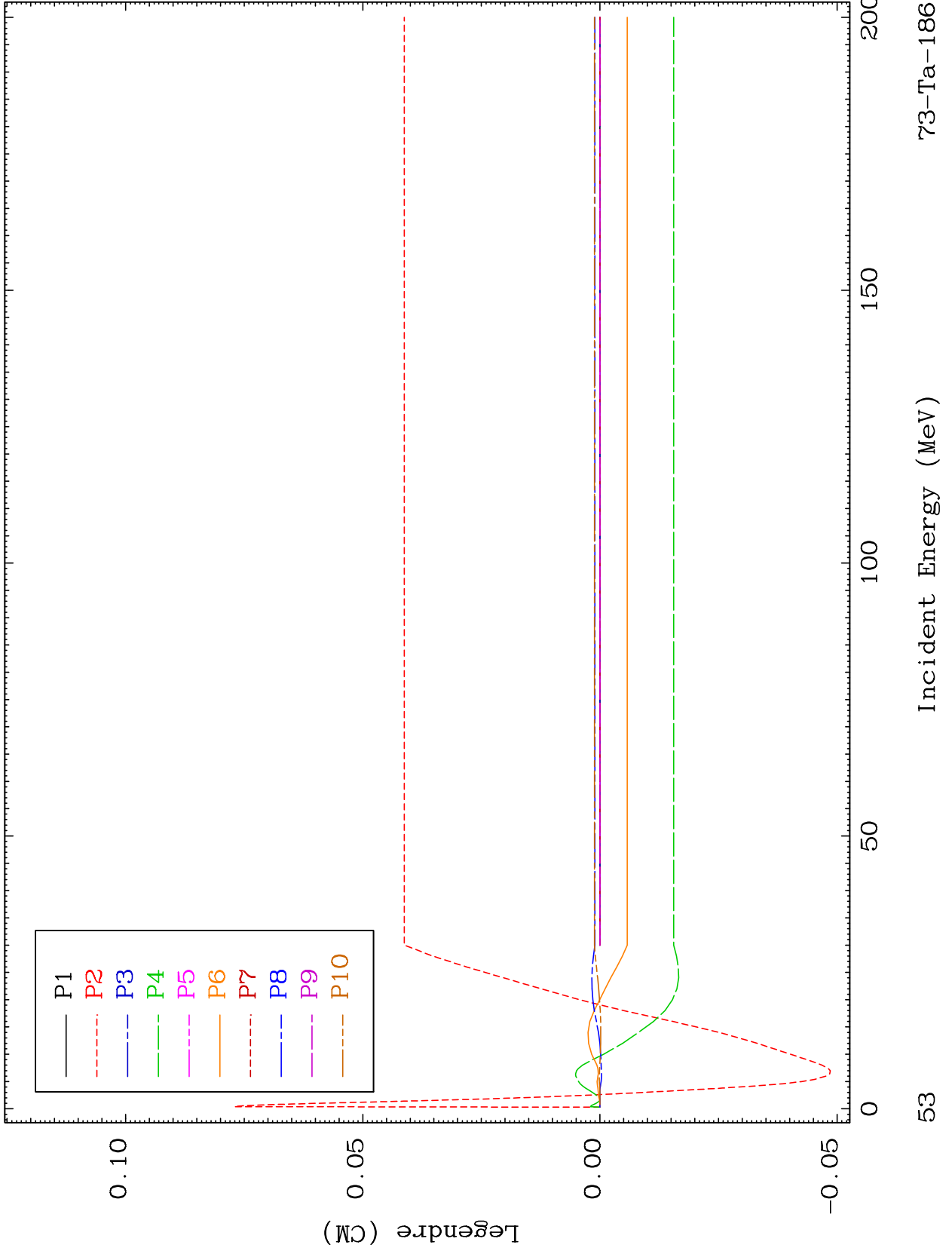
Incident Energy (MeV)

73-Ta-186

MAT 7343

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

73-Ta-186



73-Ta-186

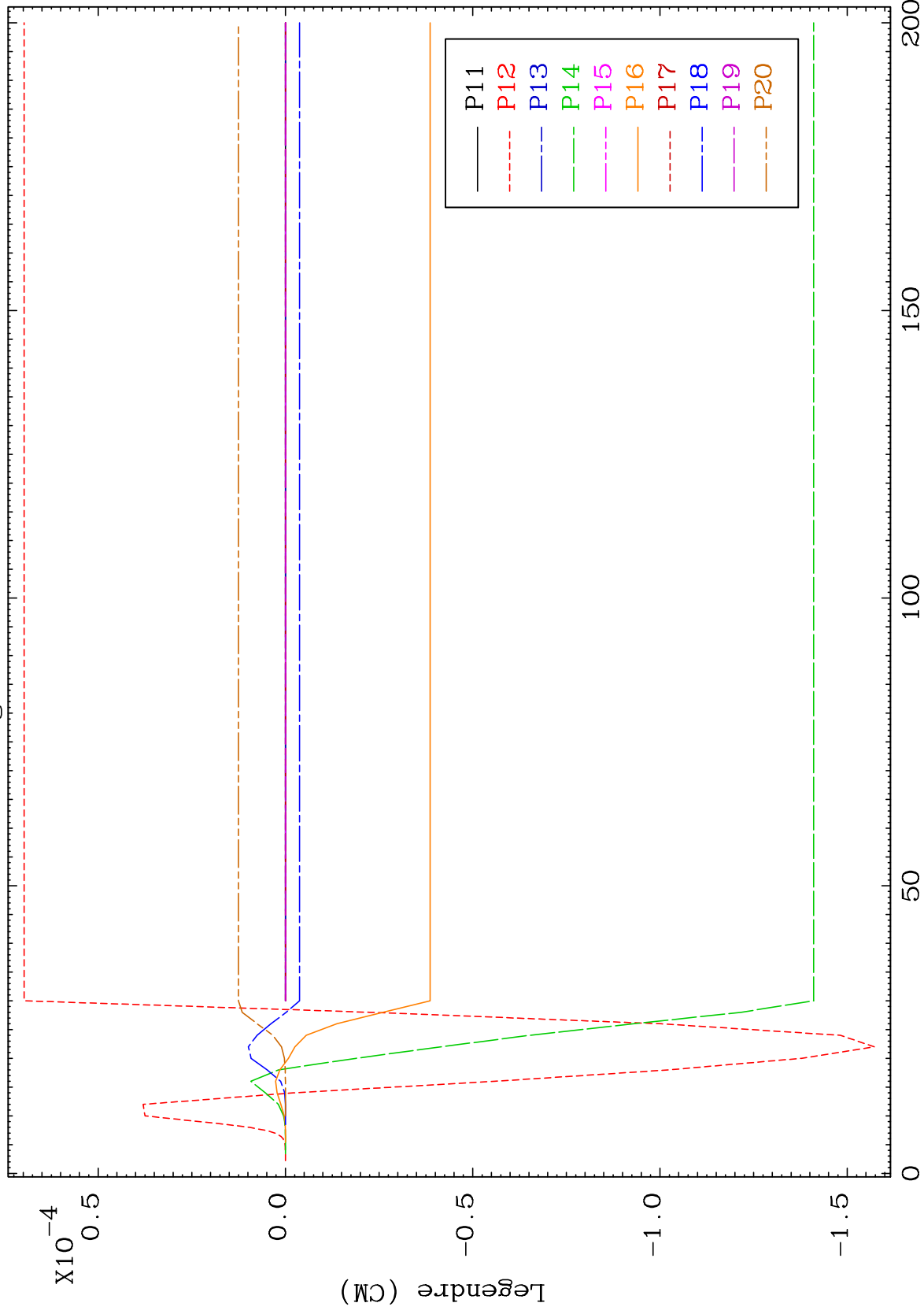
Incident Energy (MeV)

53

MAT 7343

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

73-Ta-186



54

Incident Energy (MeV)

73-Ta-186

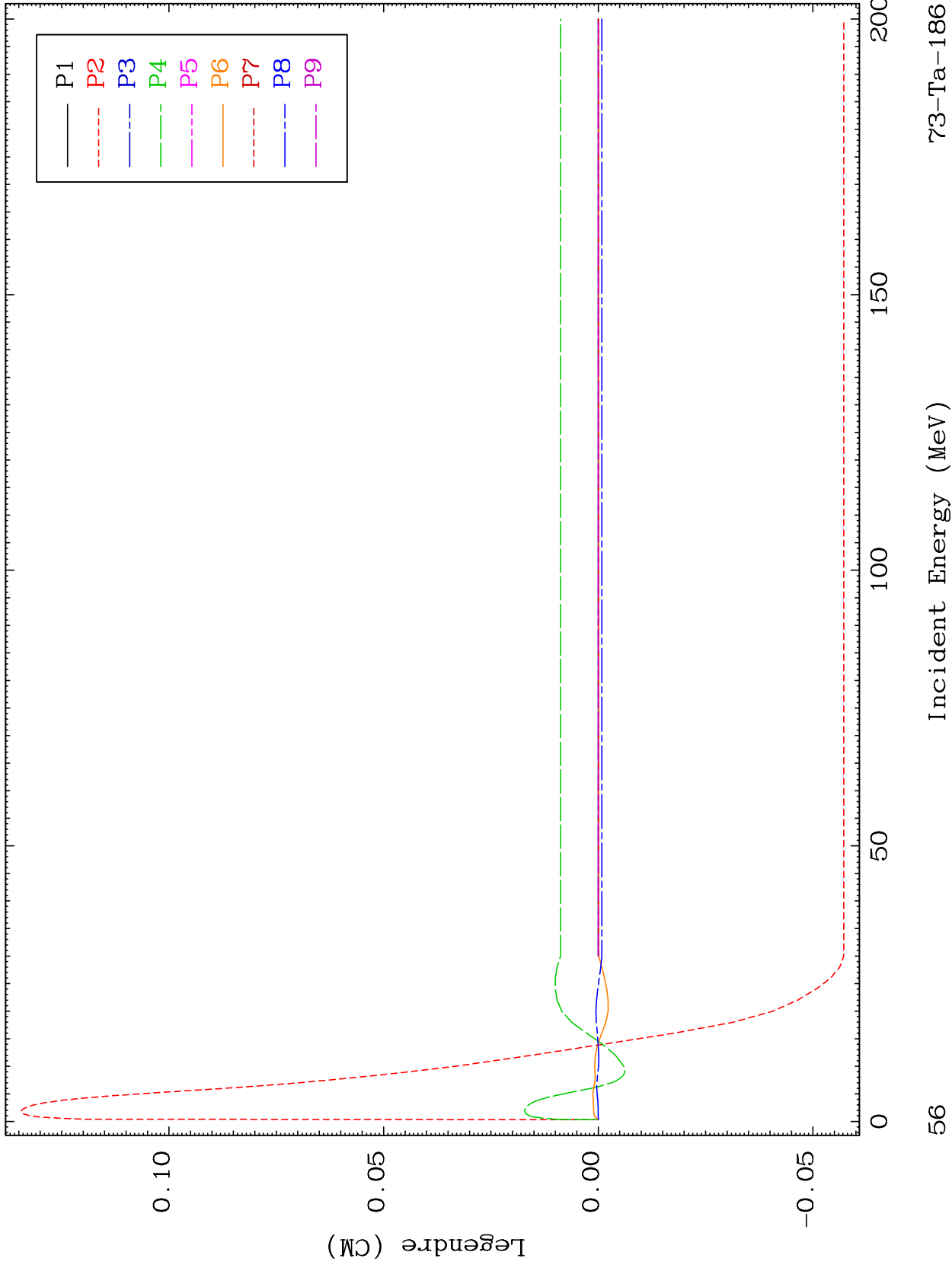




MAT 7343

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

73-Ta-186



73-Ta-186

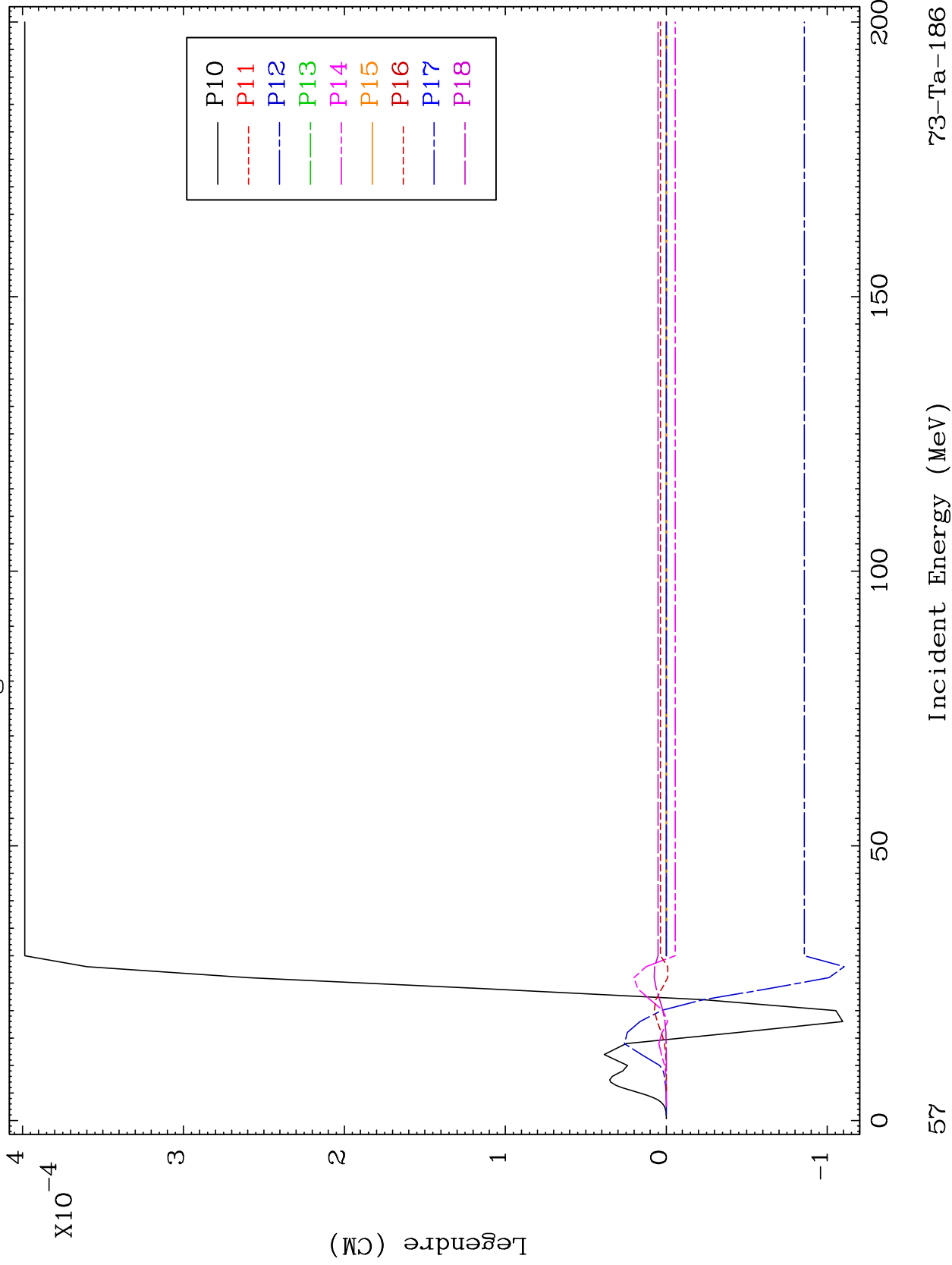
Incident Energy (MeV)

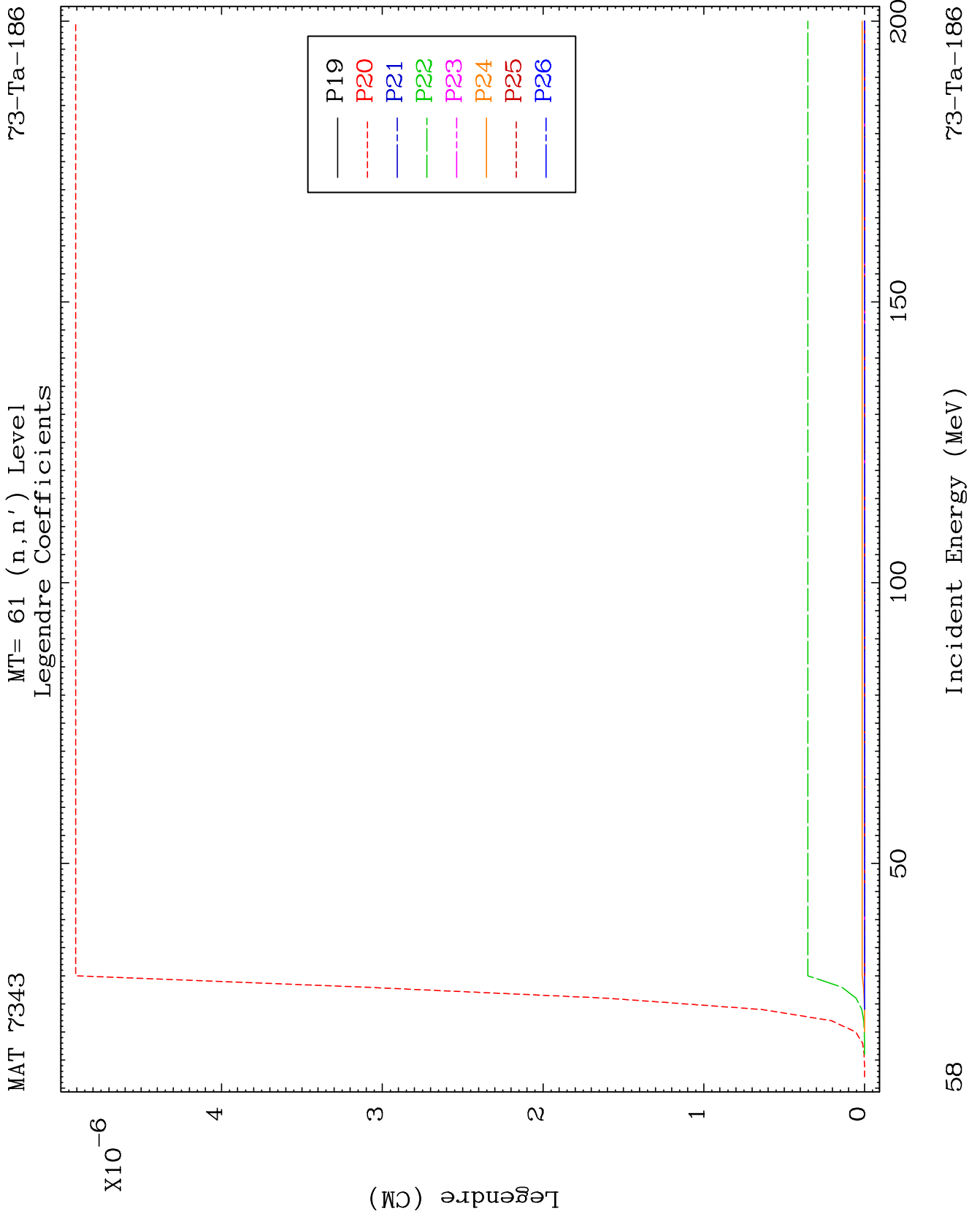
56

MAT 7343

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

73-Ta-186

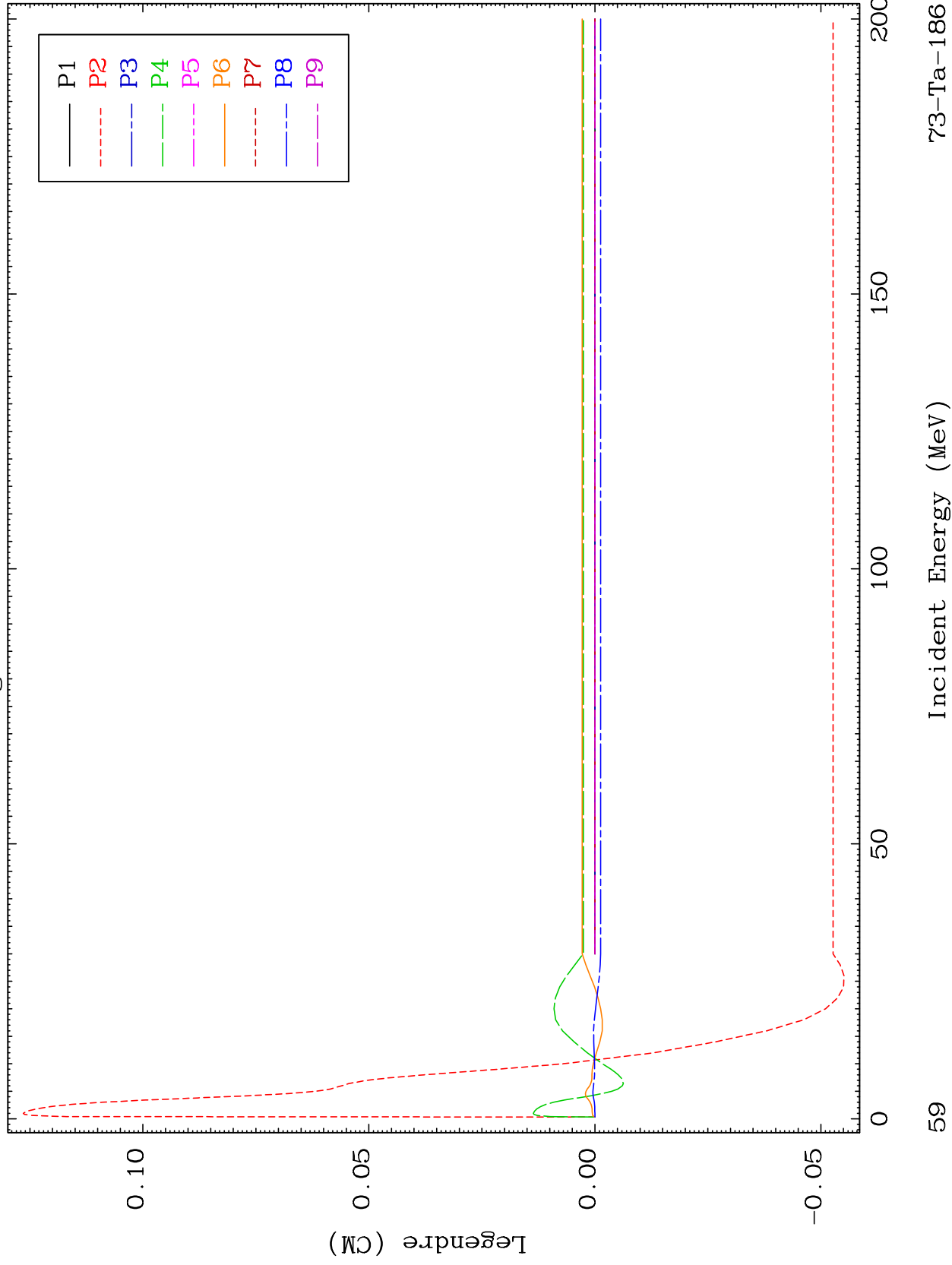




MAT 7343

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

73-Ta-186

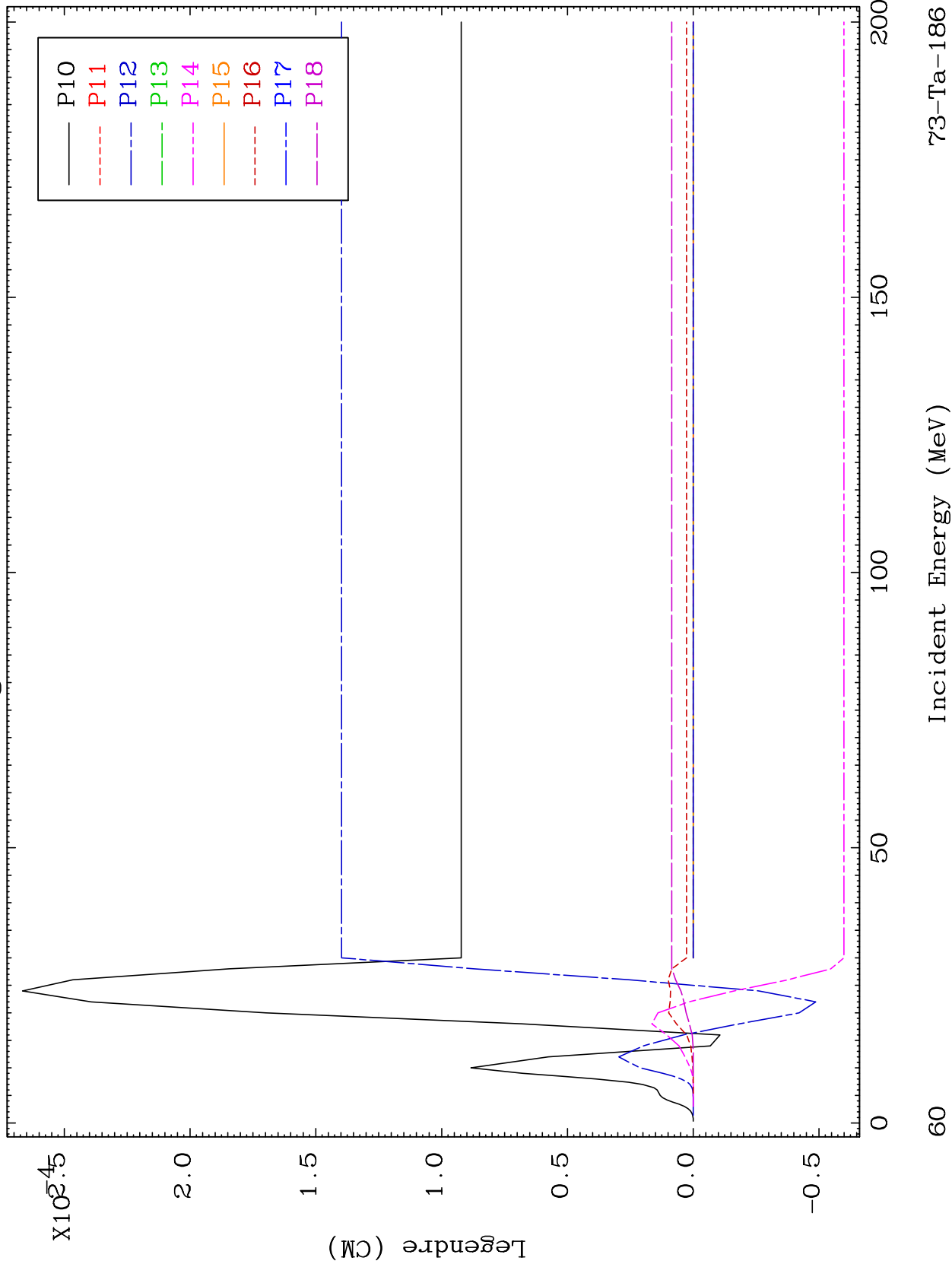


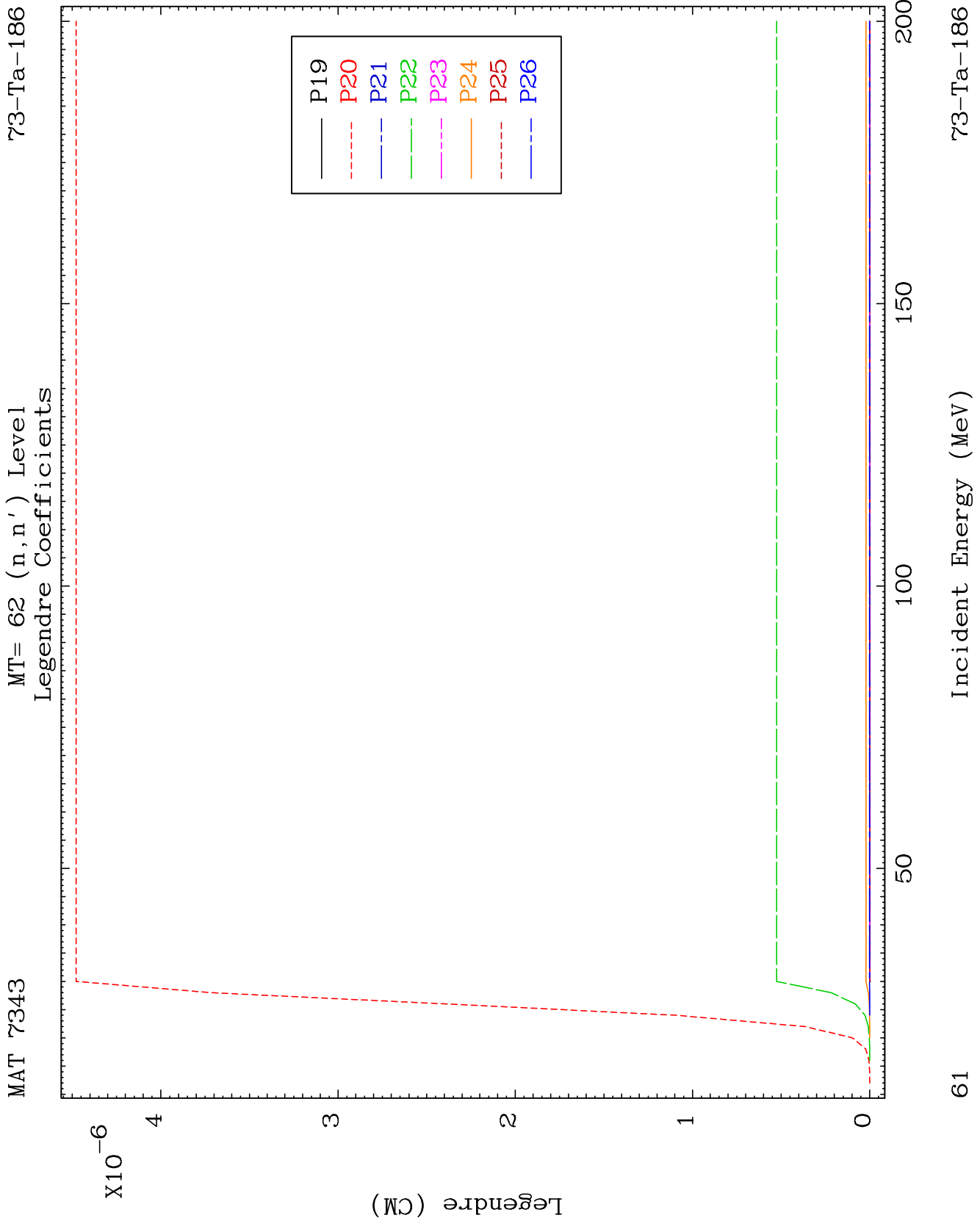
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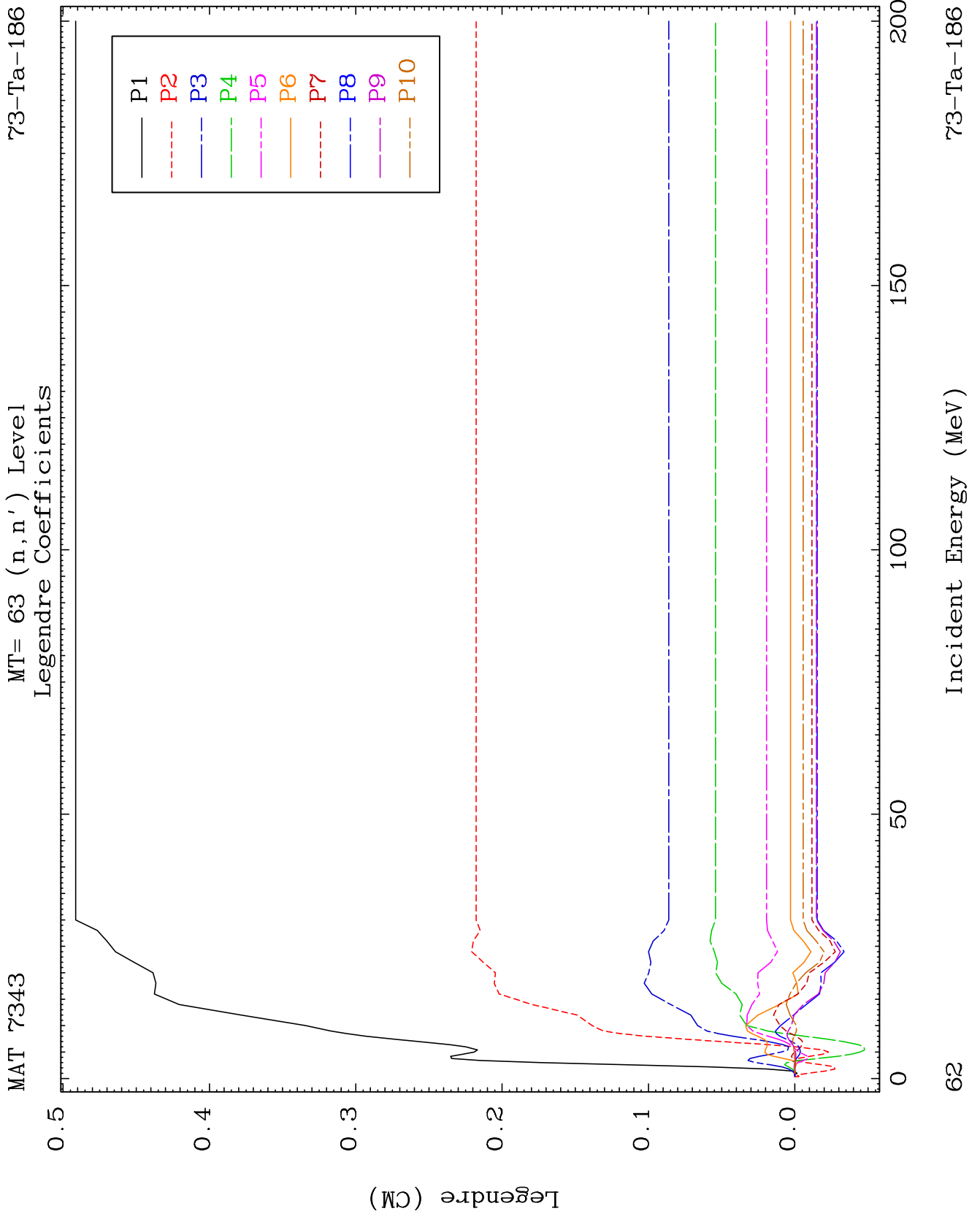
MAT 7343

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

73-Ta-186



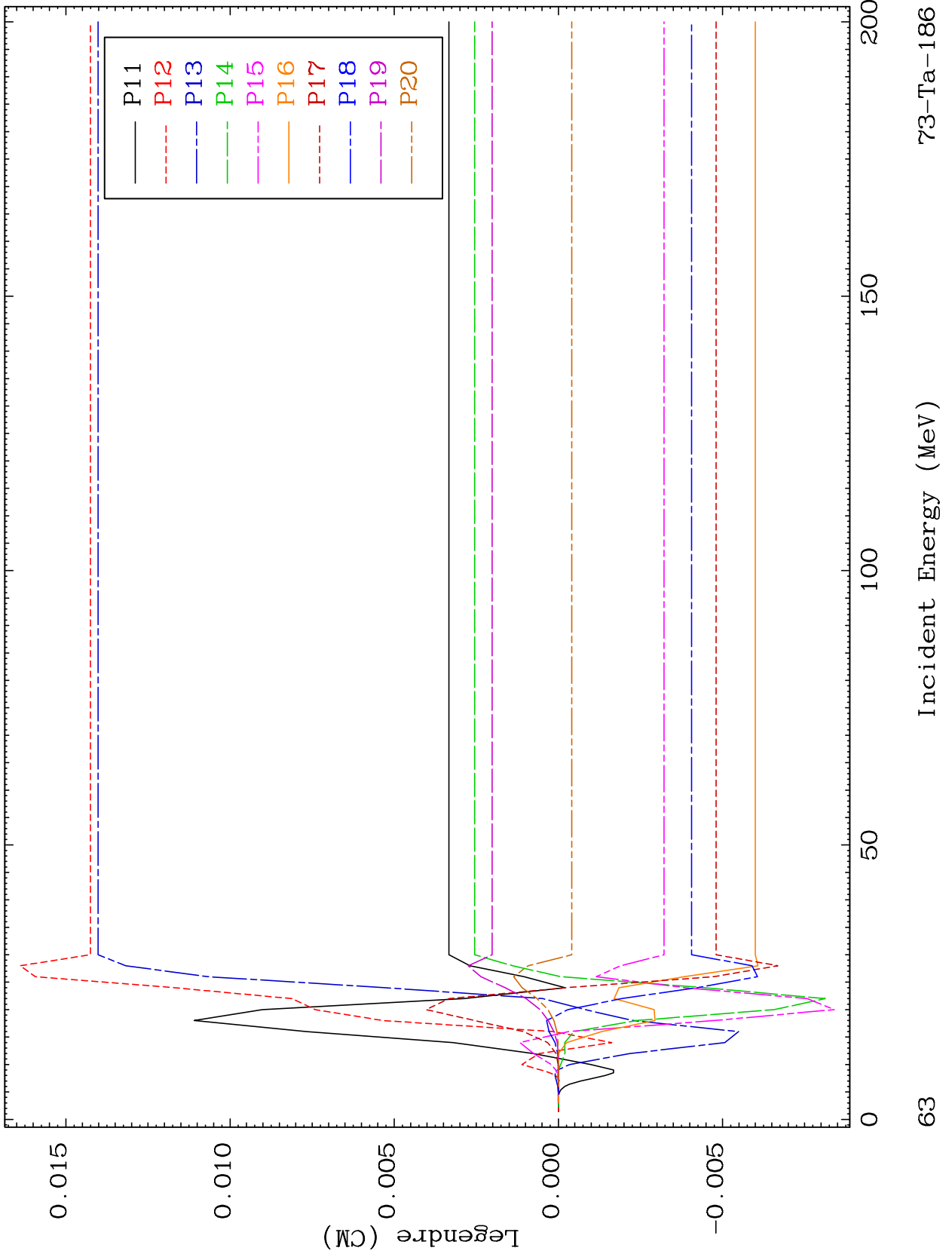




MAT 7343

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

73-Ta-186



63

Incident Energy (MeV)

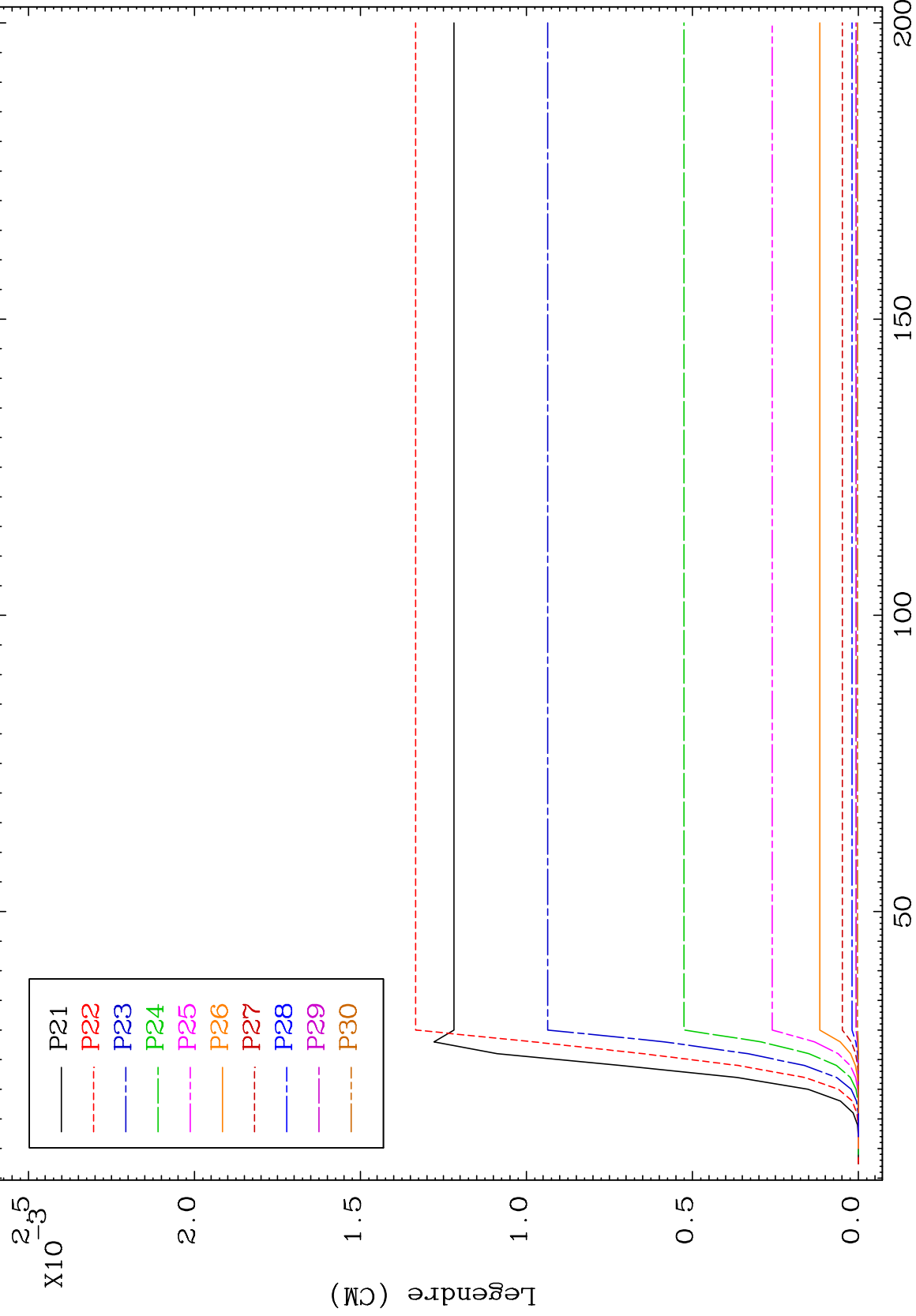
73-Ta-186



MAT 7343

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

<sup>73</sup>Ta-186



64

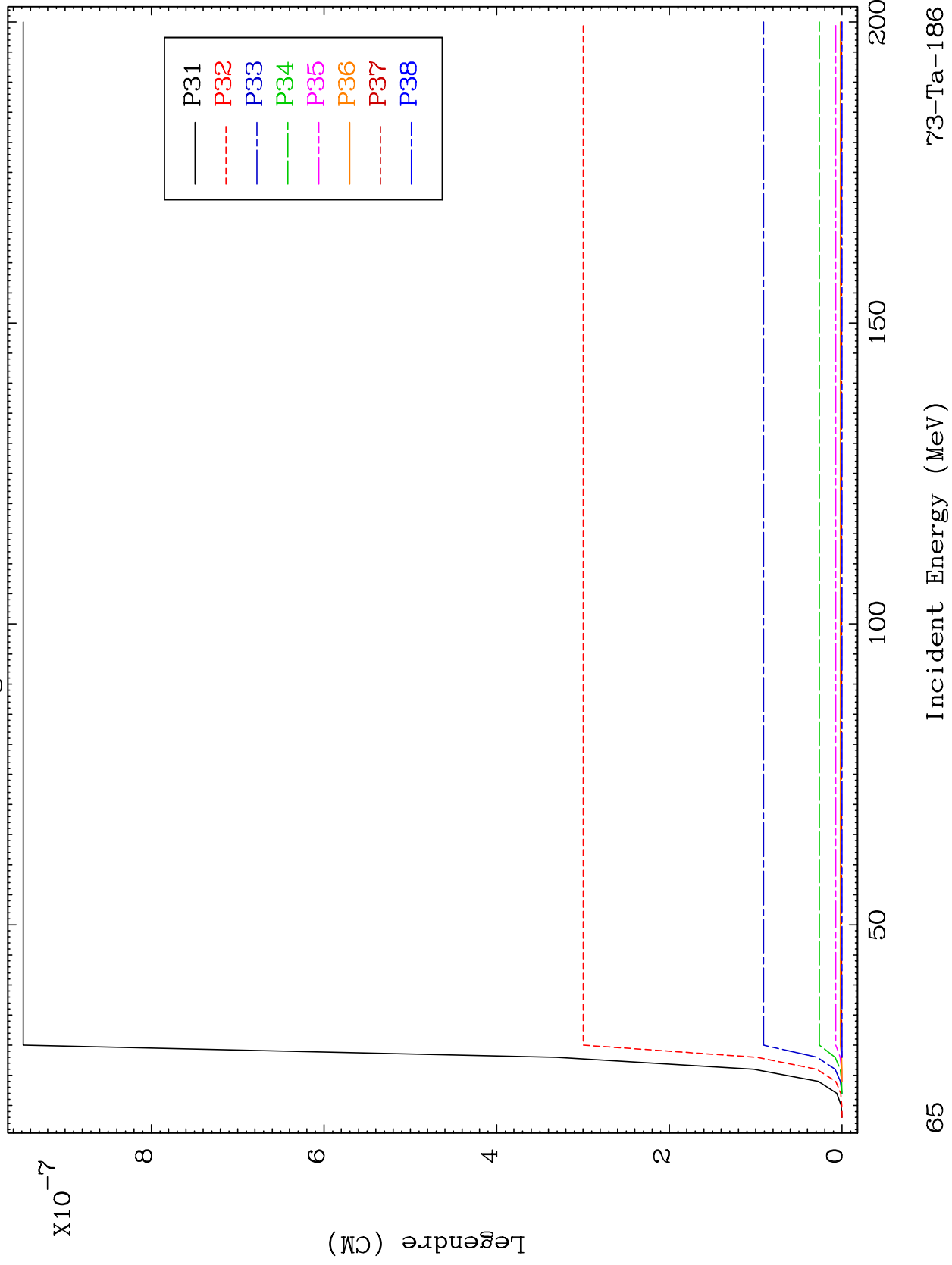
Incident Energy (MeV)

<sup>73</sup>Ta-186

MAT 7343

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

73-Ta-186



73-Ta-186

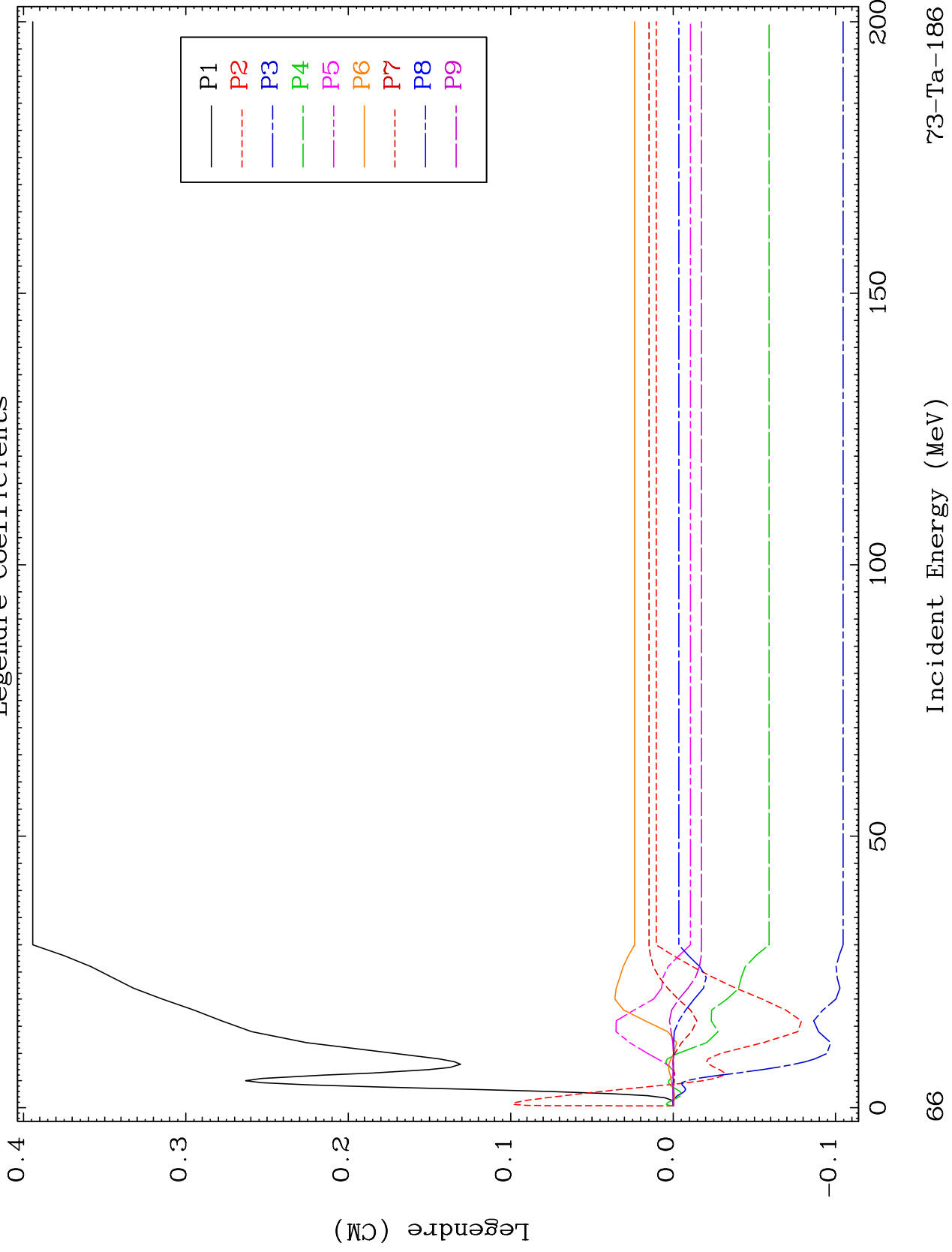
Incident Energy (MeV)

65

MAT 7343

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

73-Ta-186



73-Ta-186

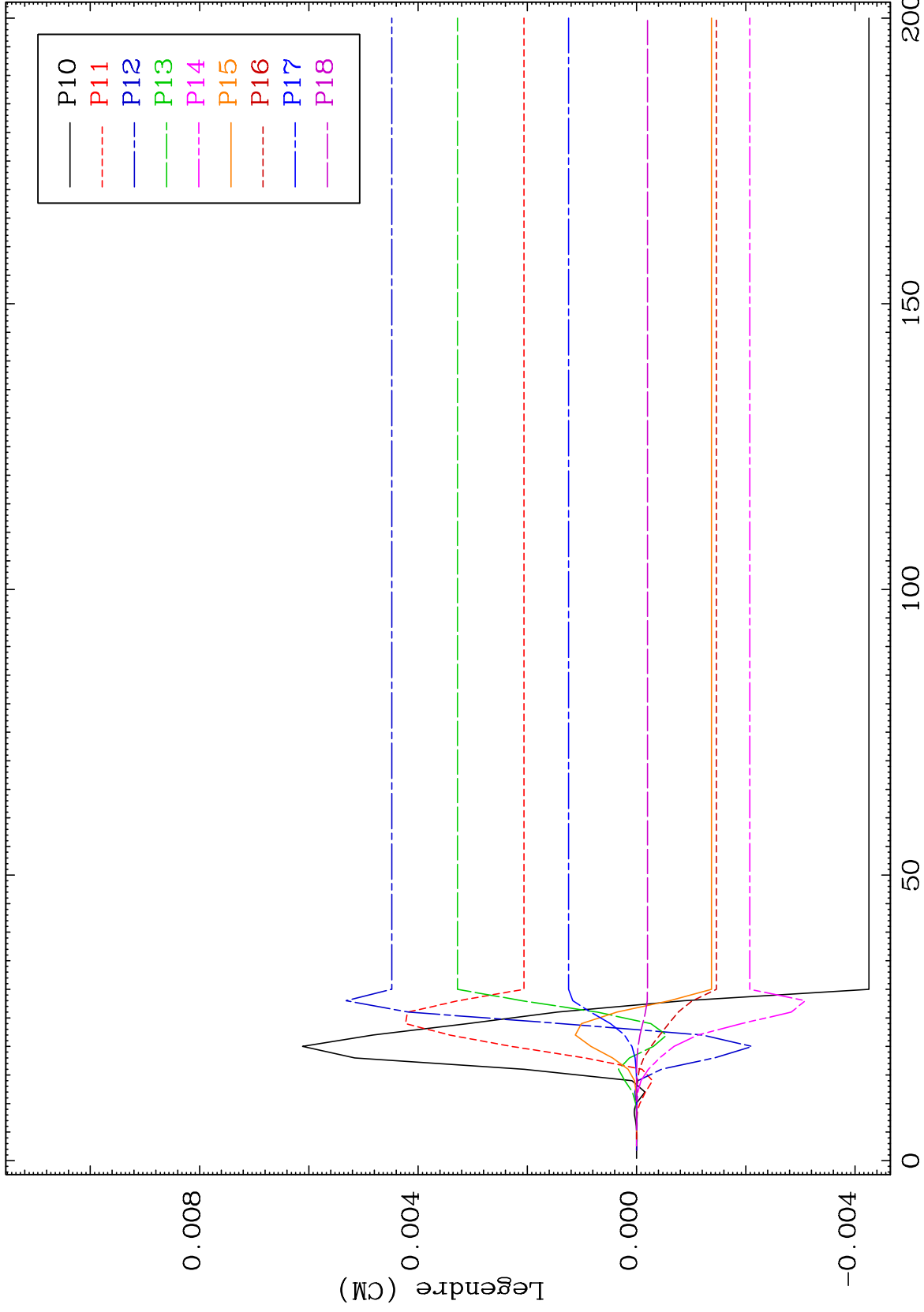
Incident Energy (MeV)

66

MAT 7343

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

73-Ta-186



67

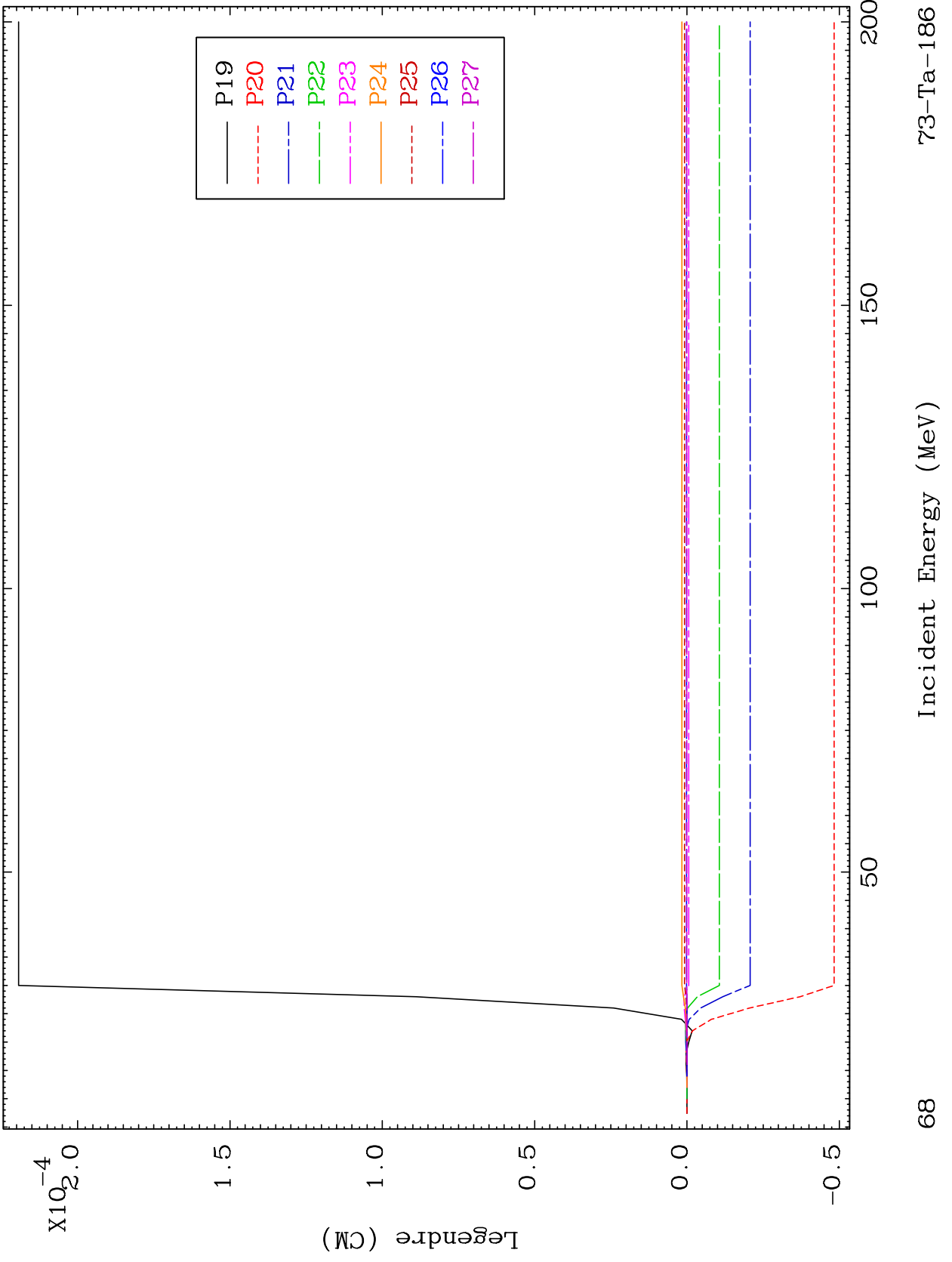
Incident Energy (MeV)

73-Ta-186

MAT 7343

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

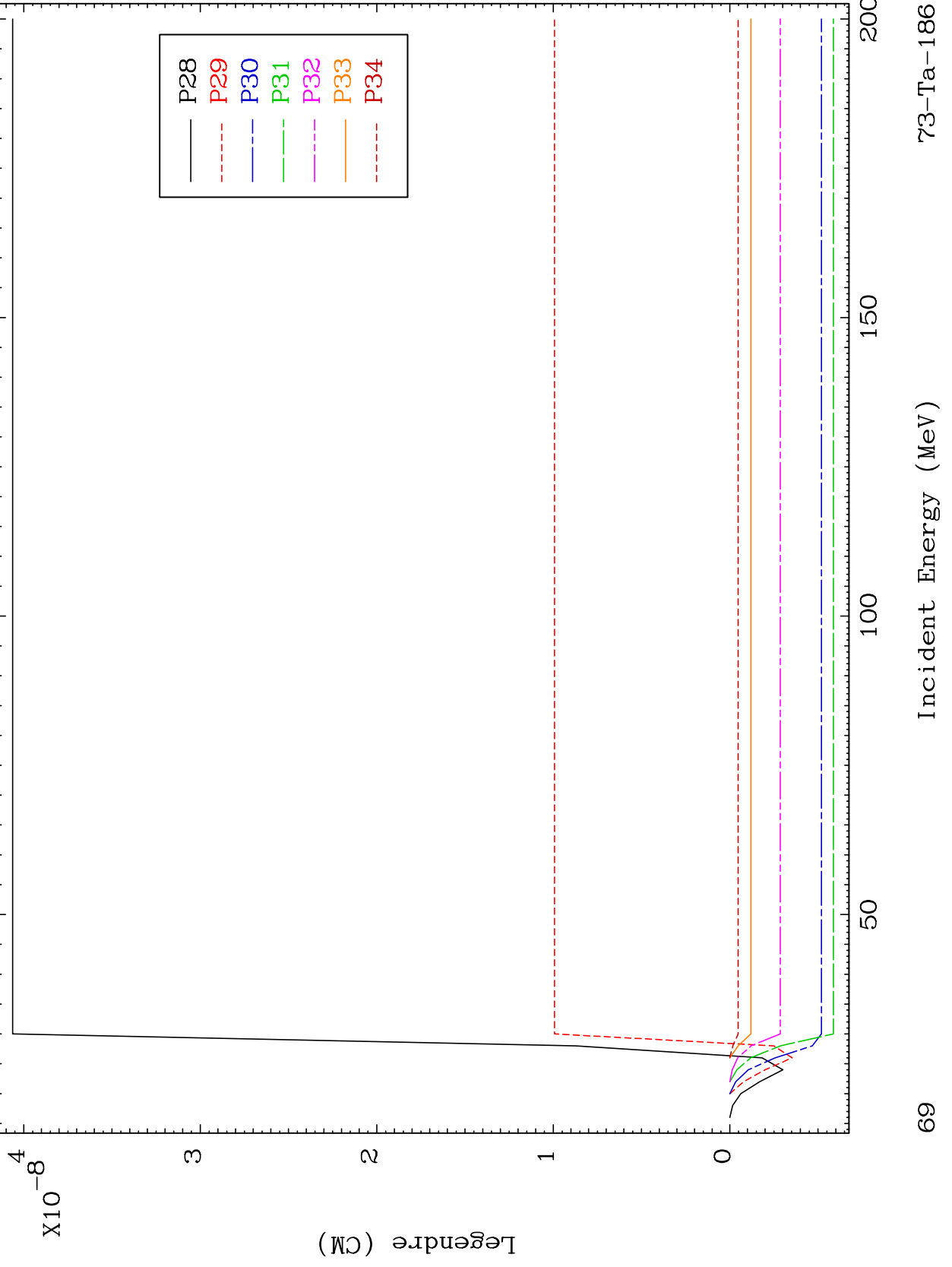
73-Ta-186



MAT 7343

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

73-Ta-186

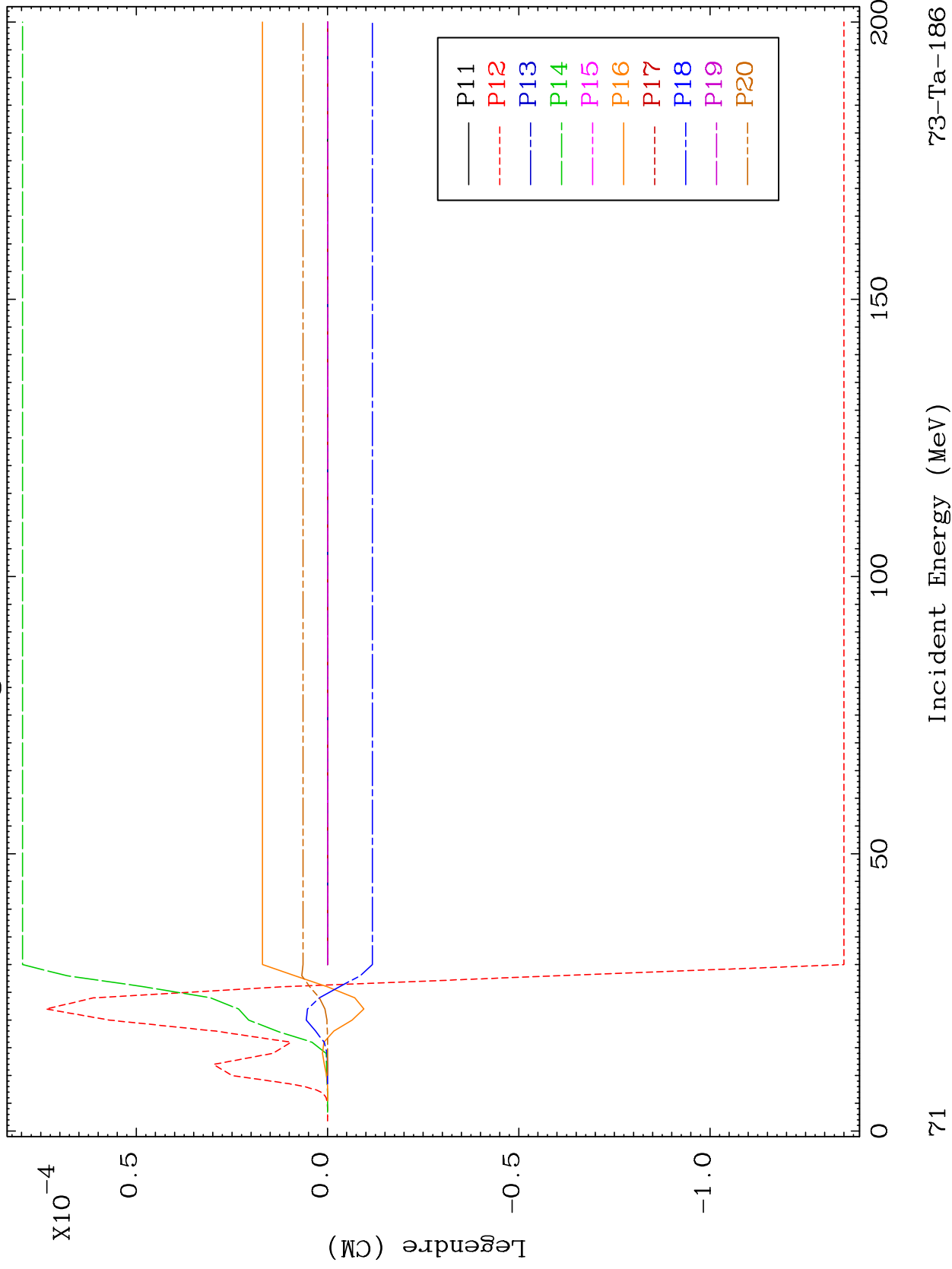




MAT 7343

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

73-Ta-186



71

Incident Energy (MeV)

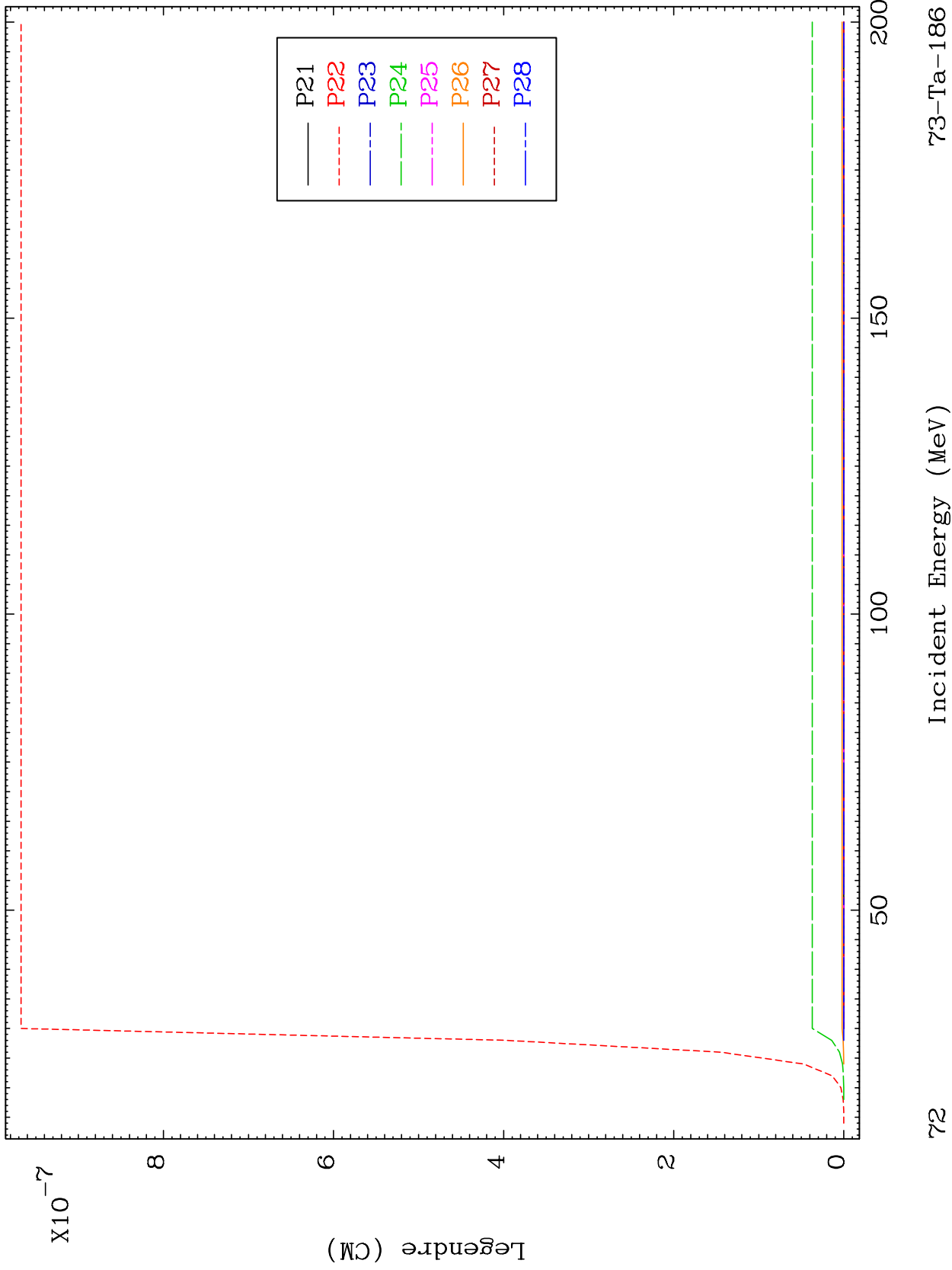
73-Ta-186



MAT 7343

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

73-Ta-186



72

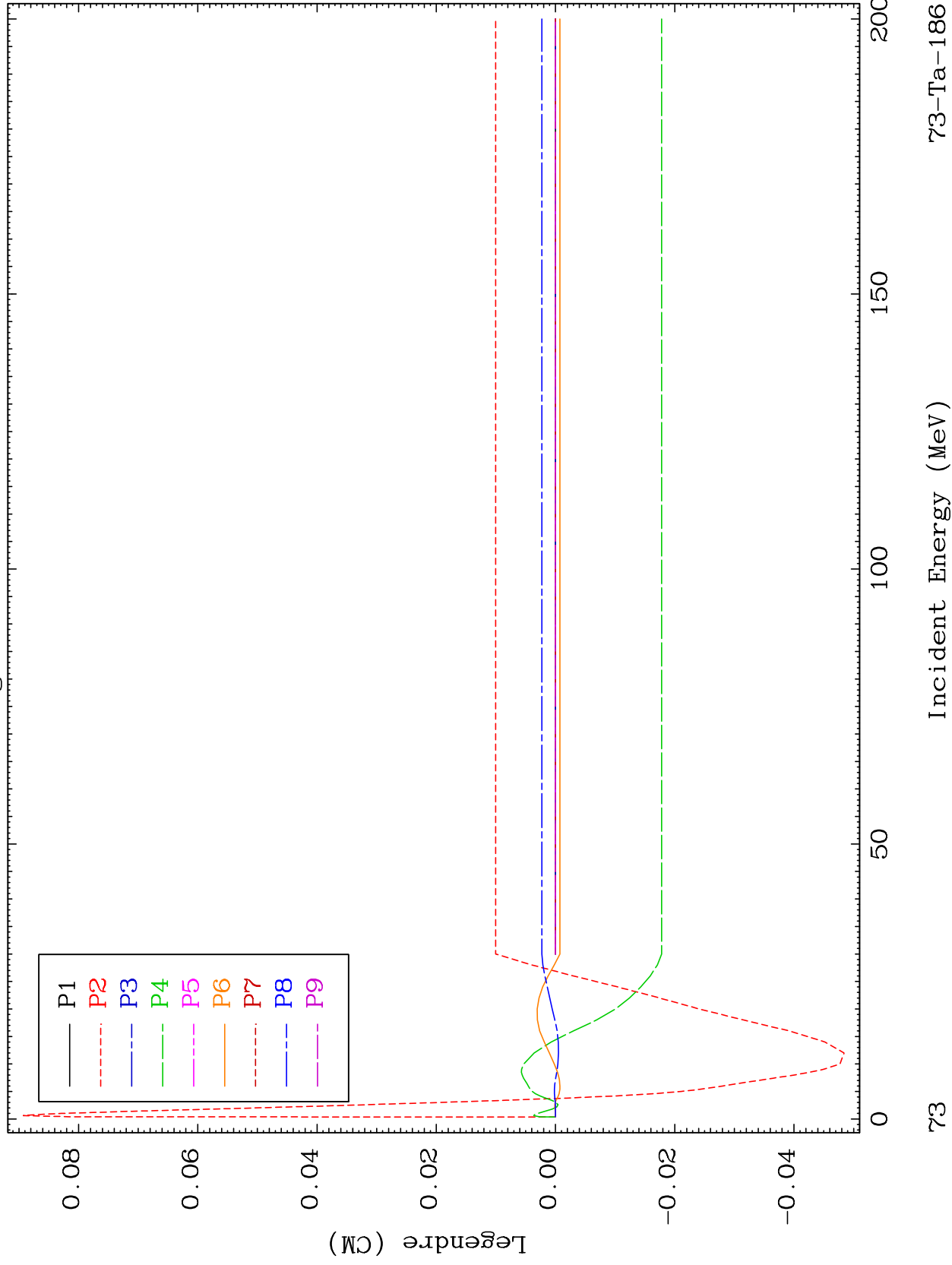
Incident Energy (MeV)

73-Ta-186

MAT 7343

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

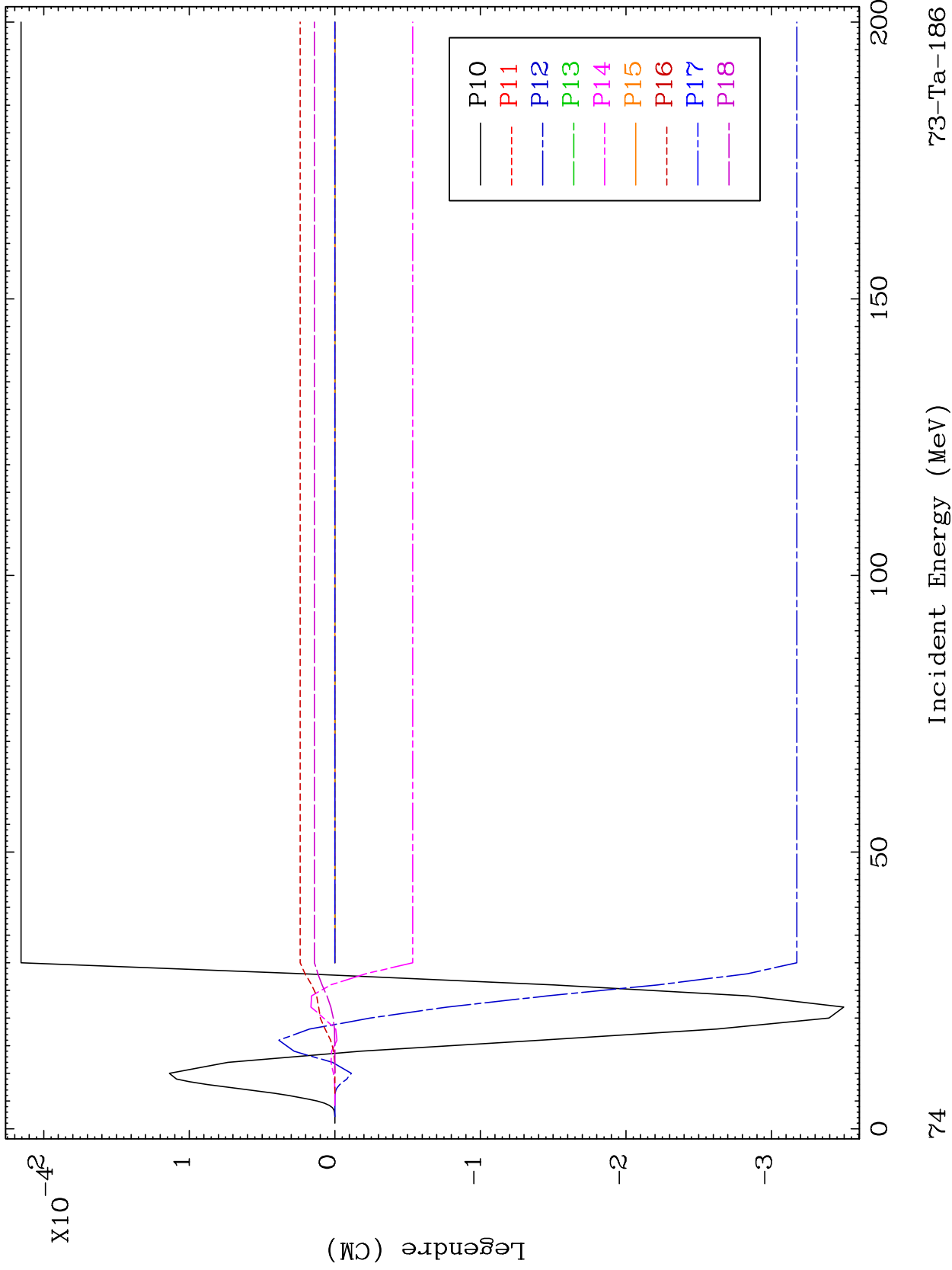
73-Ta-186



MAT 7343

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

73-Ta-186



74

Incident Energy (MeV)

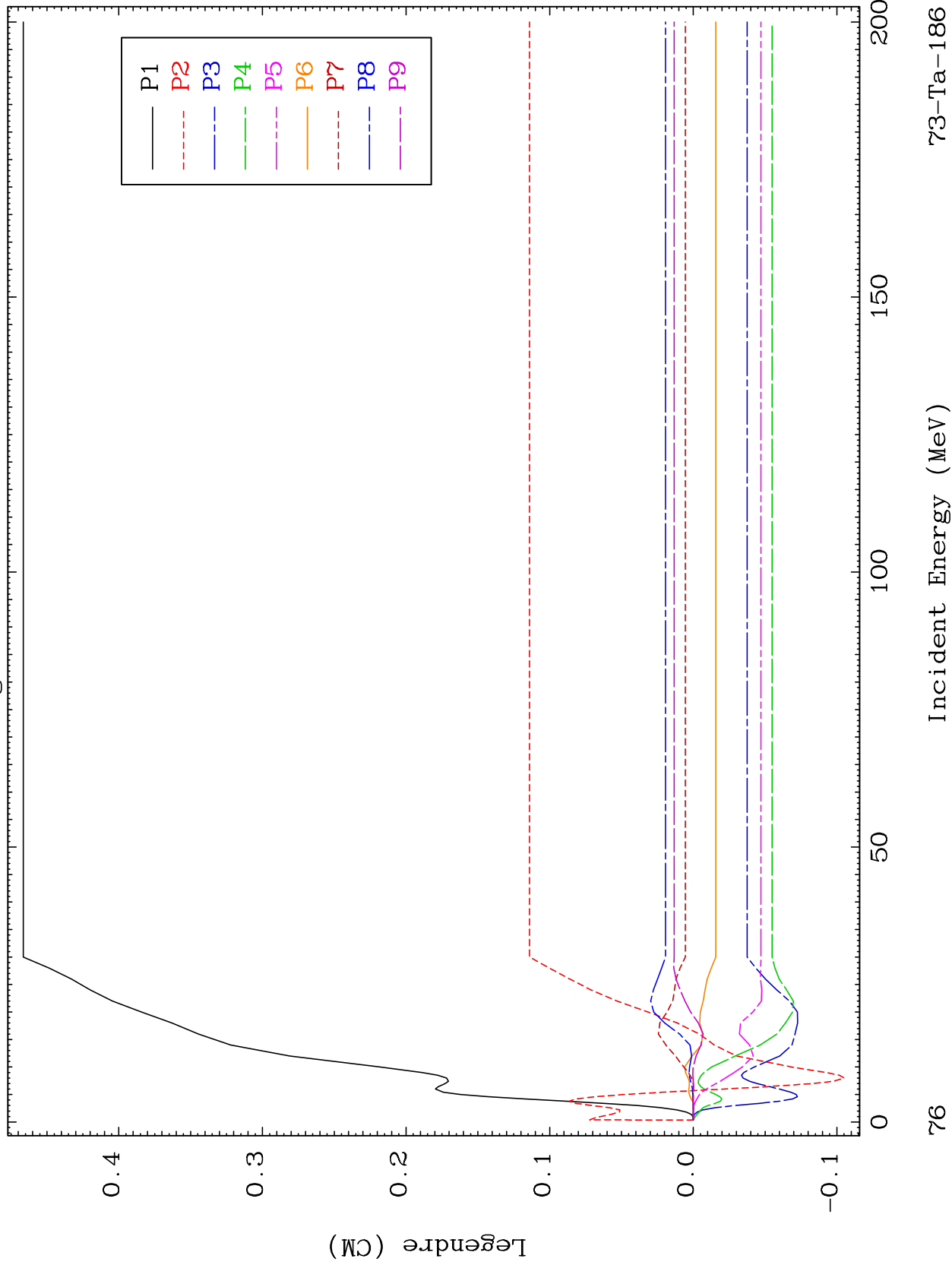
73-Ta-186



MAT 7343

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

73-Ta-186



76

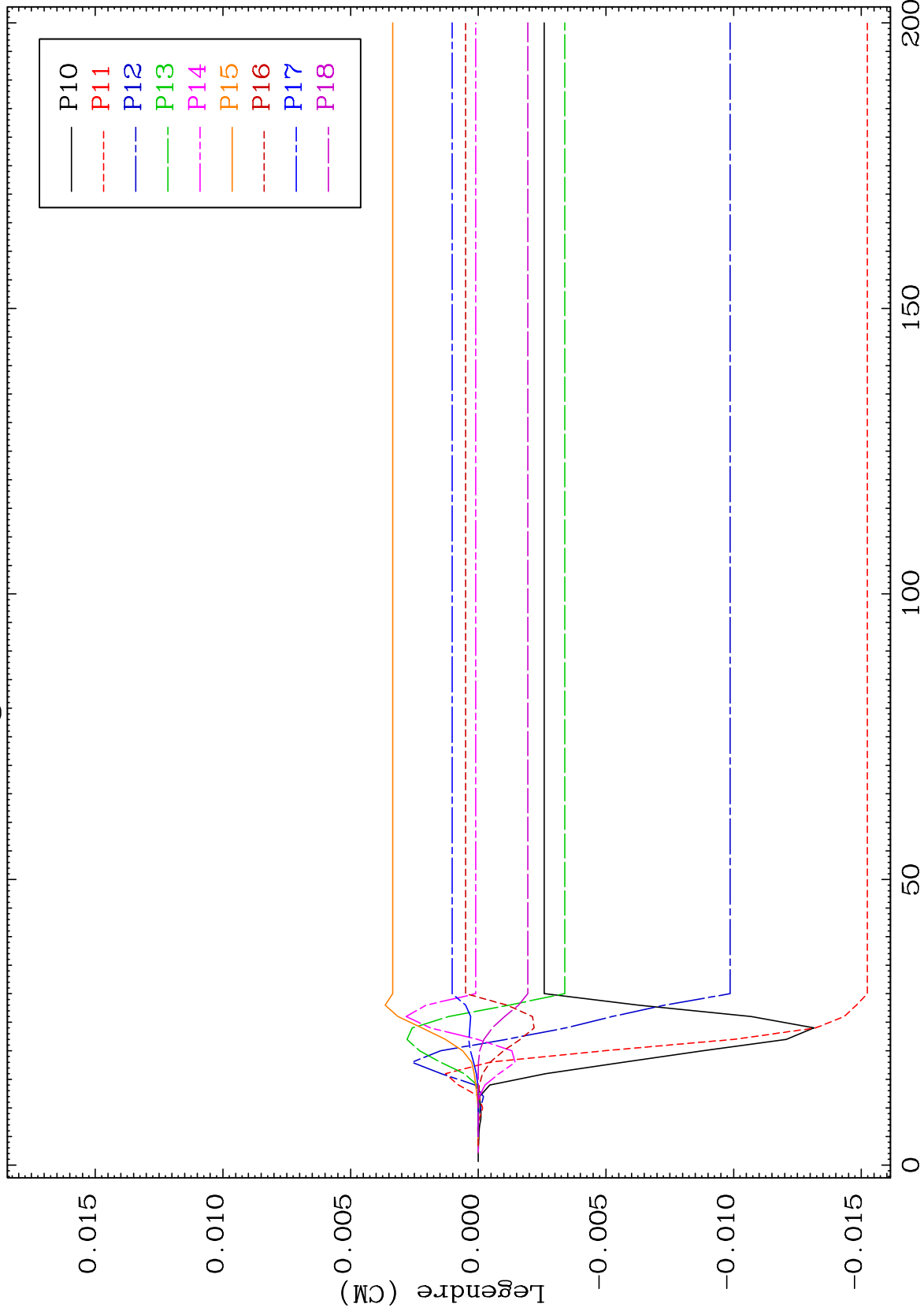
Incident Energy (MeV)

73-Ta-186

MAT 7343

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

73-Ta-186



77

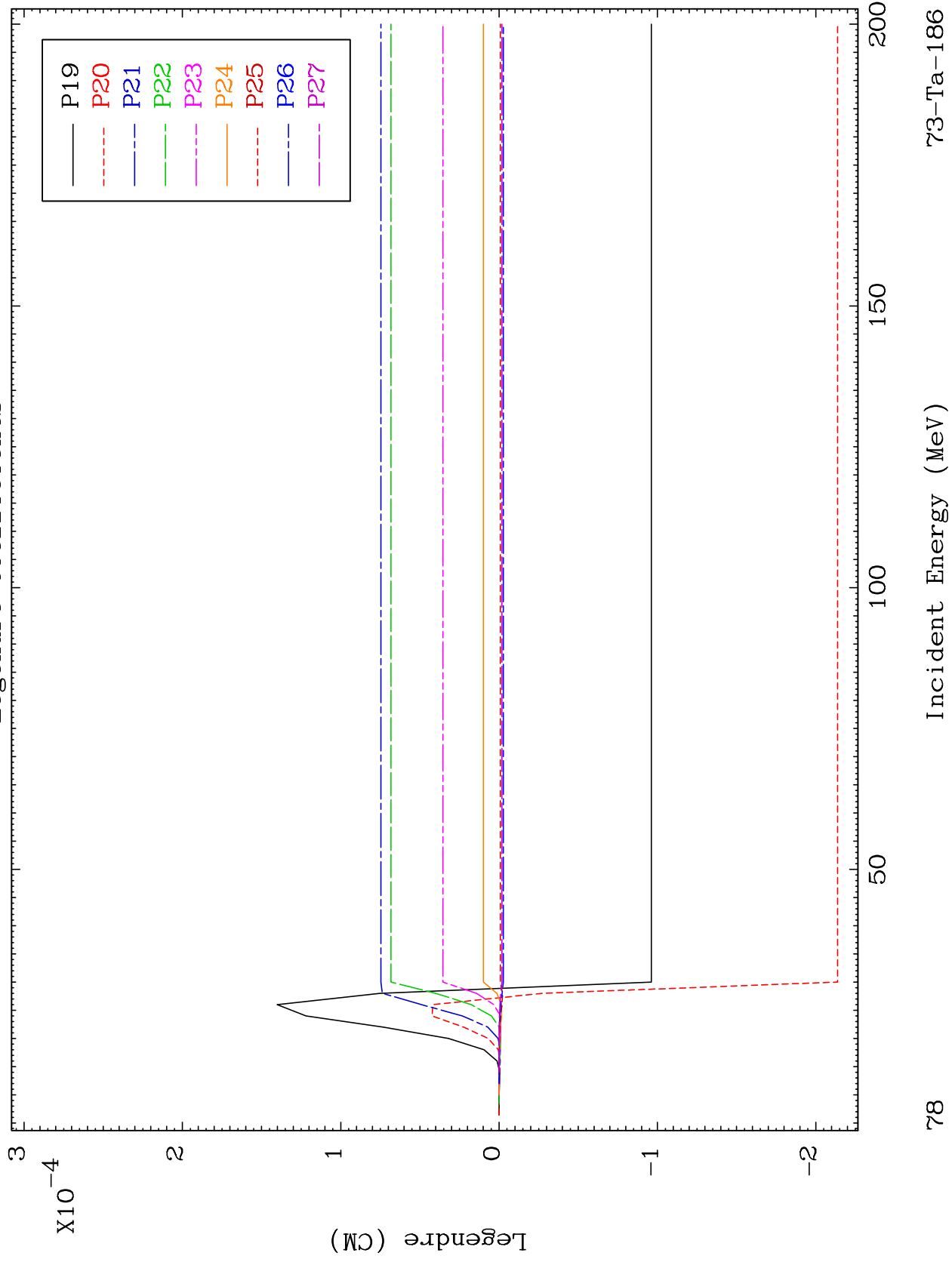
Incident Energy (MeV)

73-Ta-186

MAT 7343

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

73-Ta-186



78

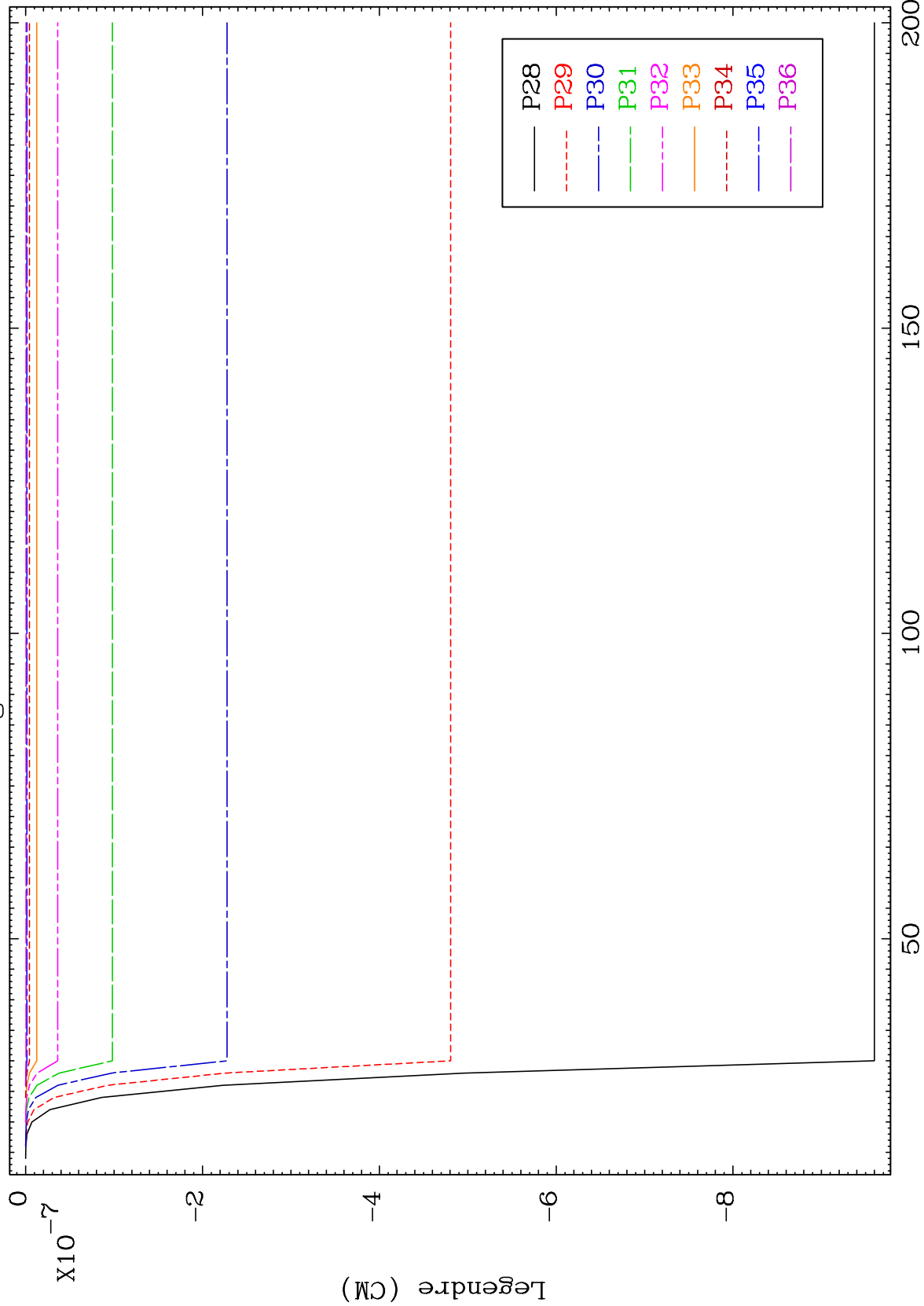
73-Ta-186

MAT 7343

MT= 67 (n,n') Level

73-Ta-186

Legendre Coefficients



73-Ta-186

Incident Energy (MeV)

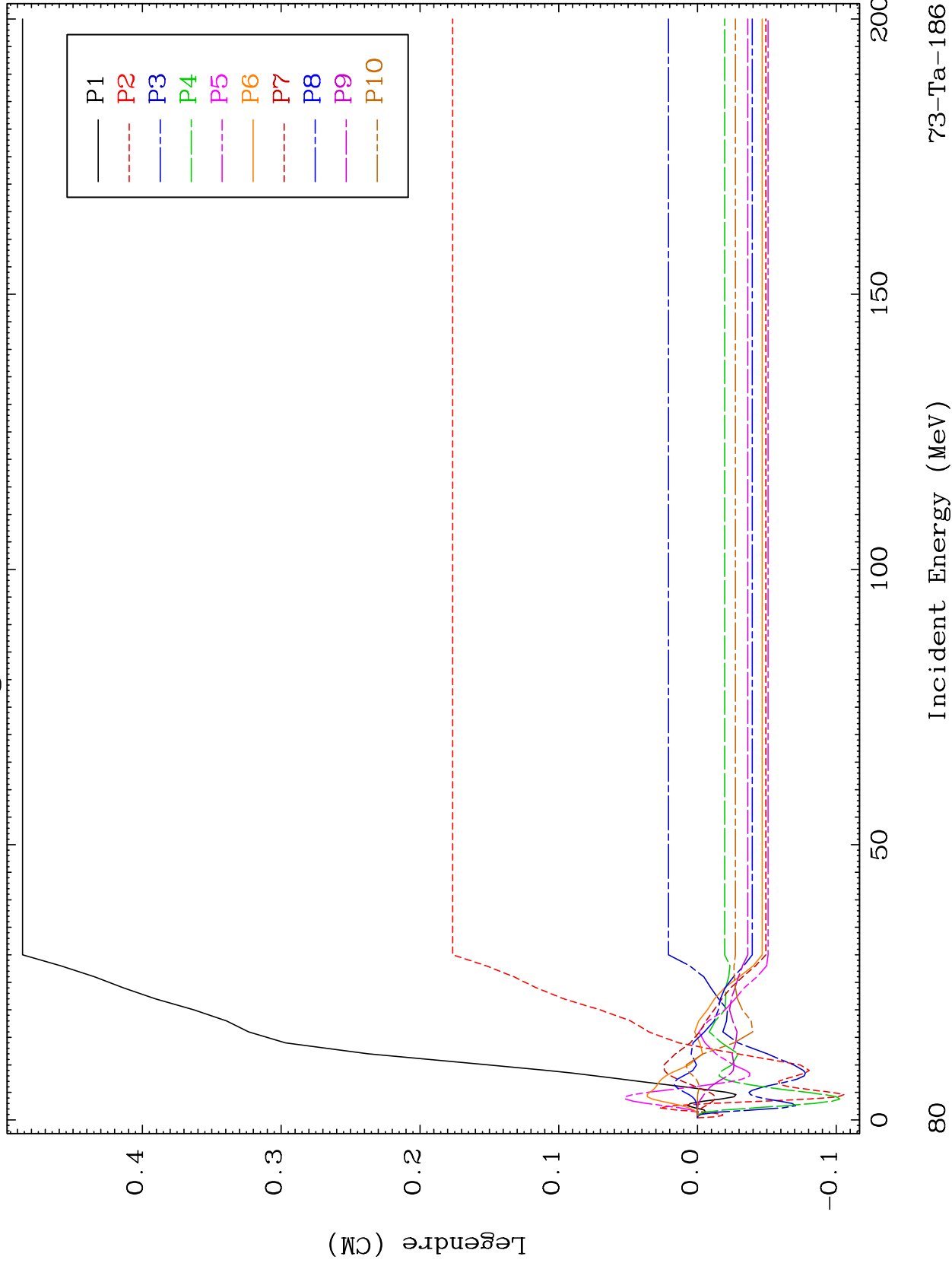
79



MAT 7343

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

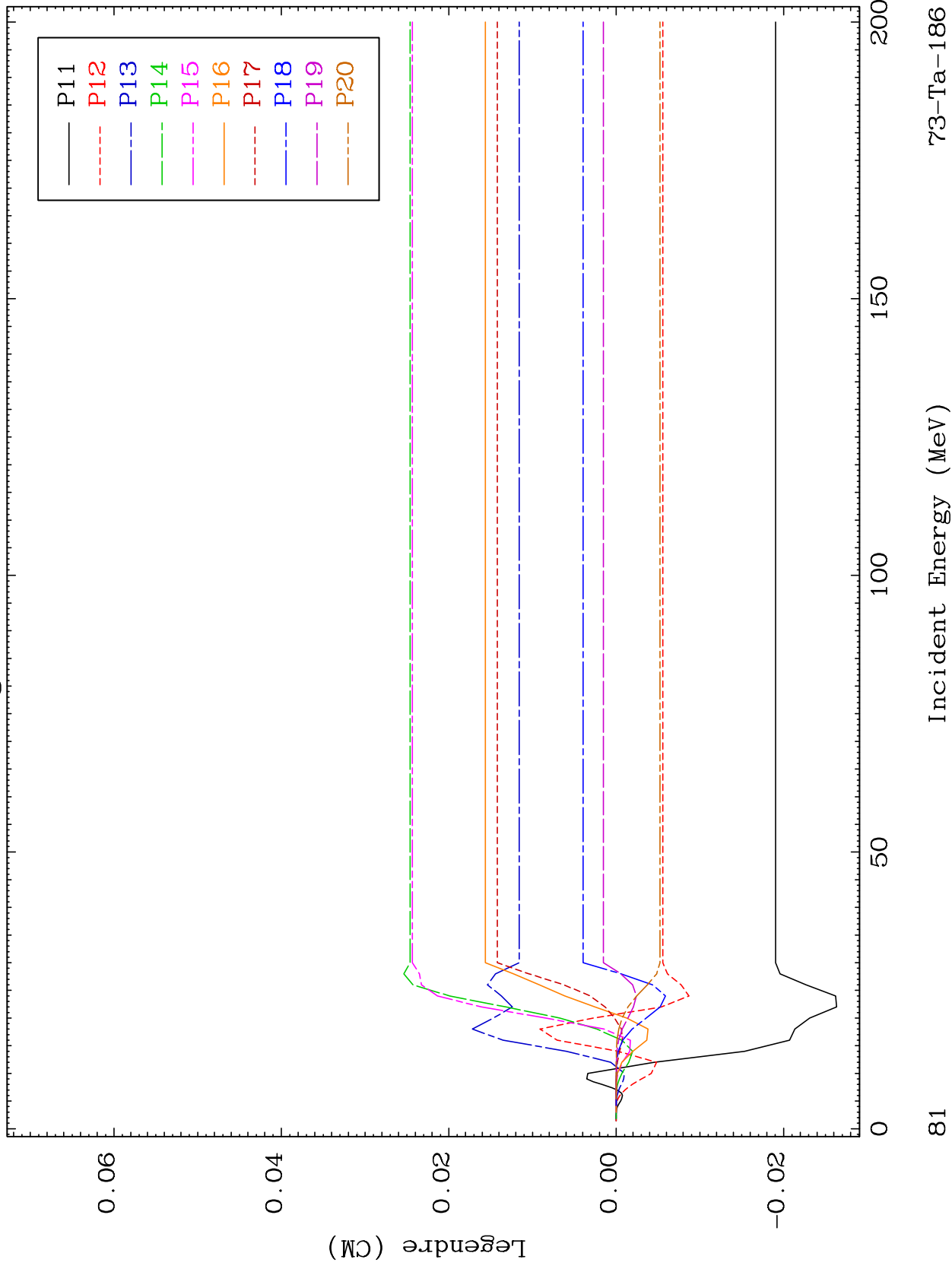
73-Ta-186



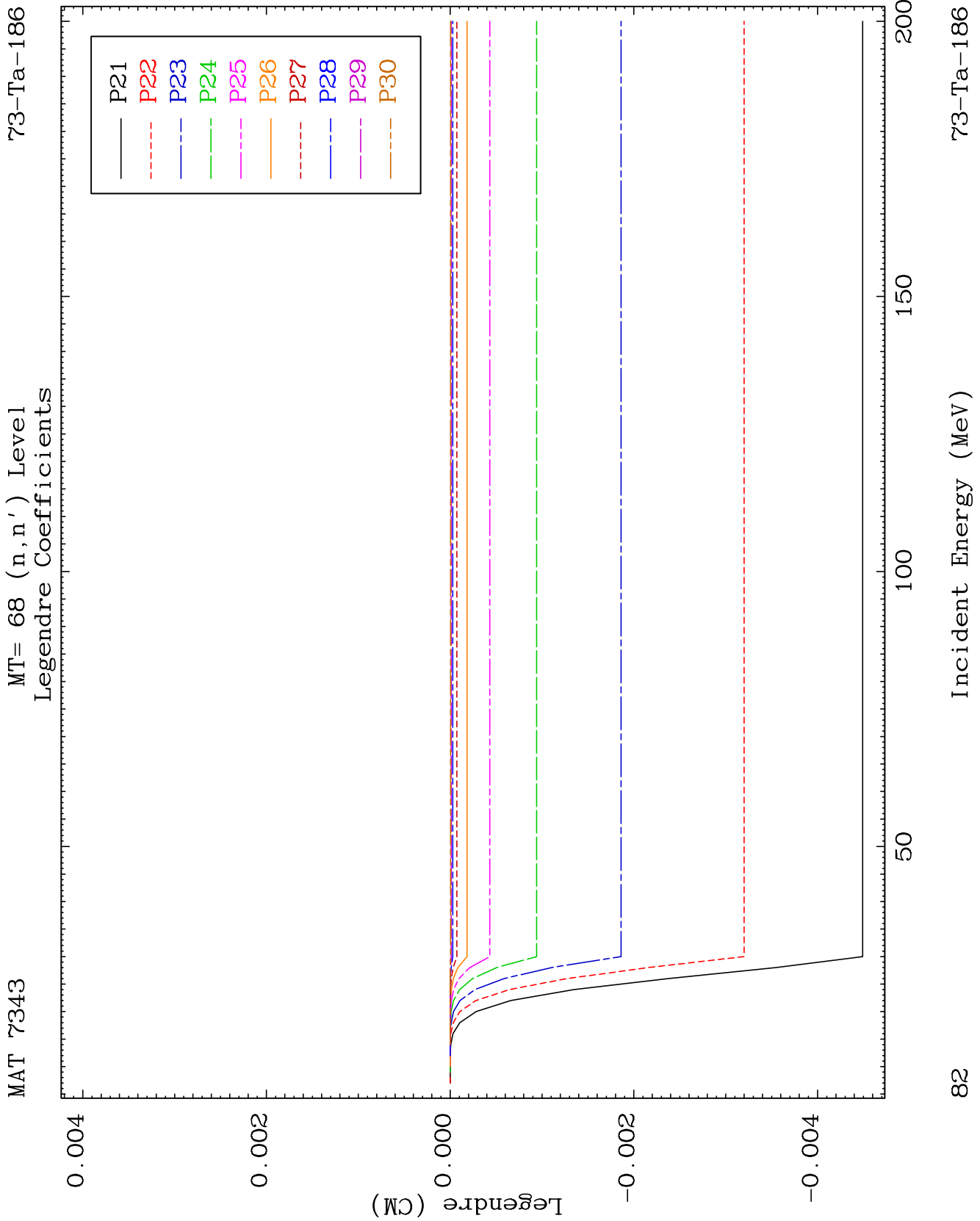
MAT 7343

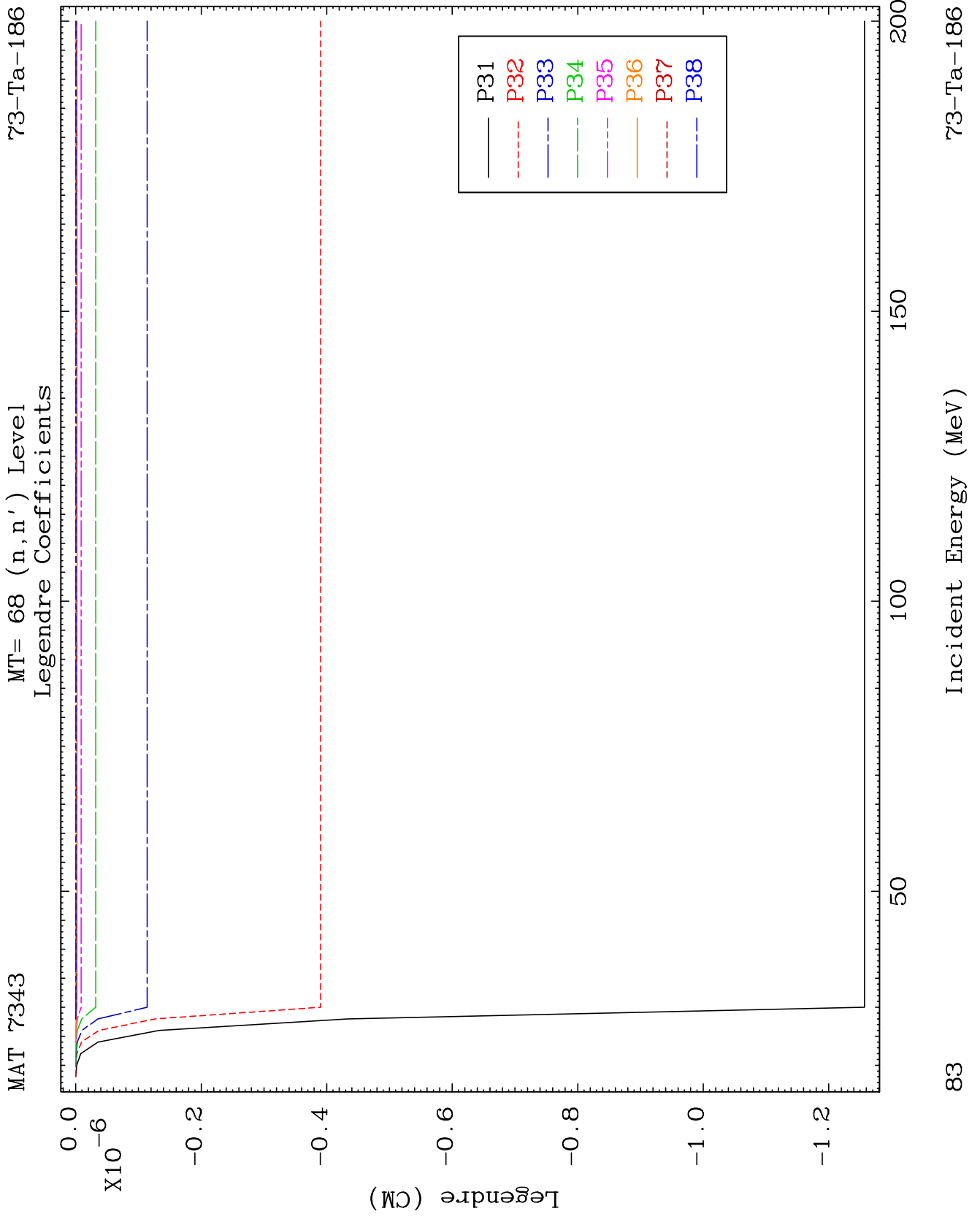
MT= 68 (n,n') Level  
Legendre Coefficients

73-Ta-186



73-Ta-186

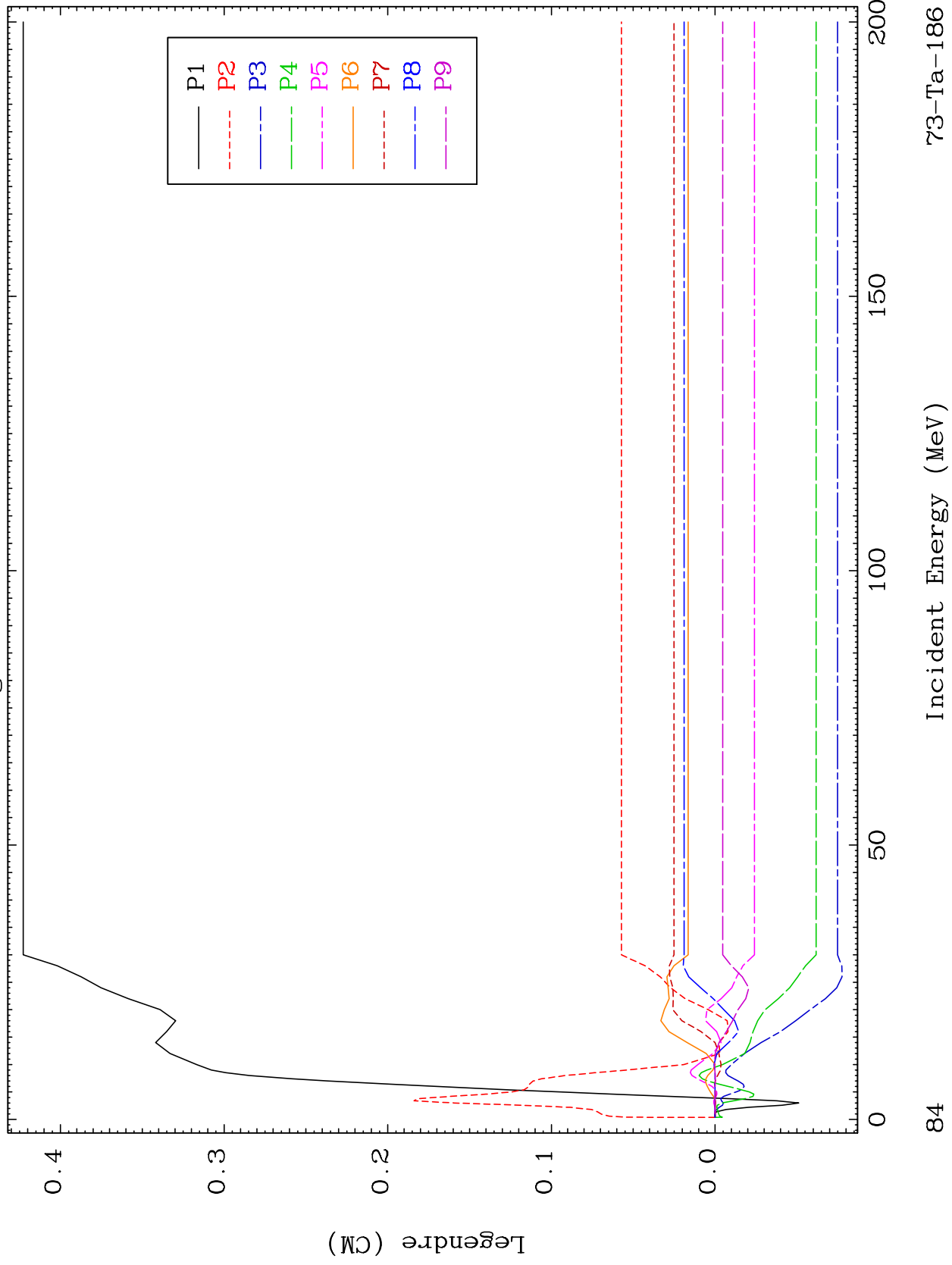




MAT 7343

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

73-Ta-186



84

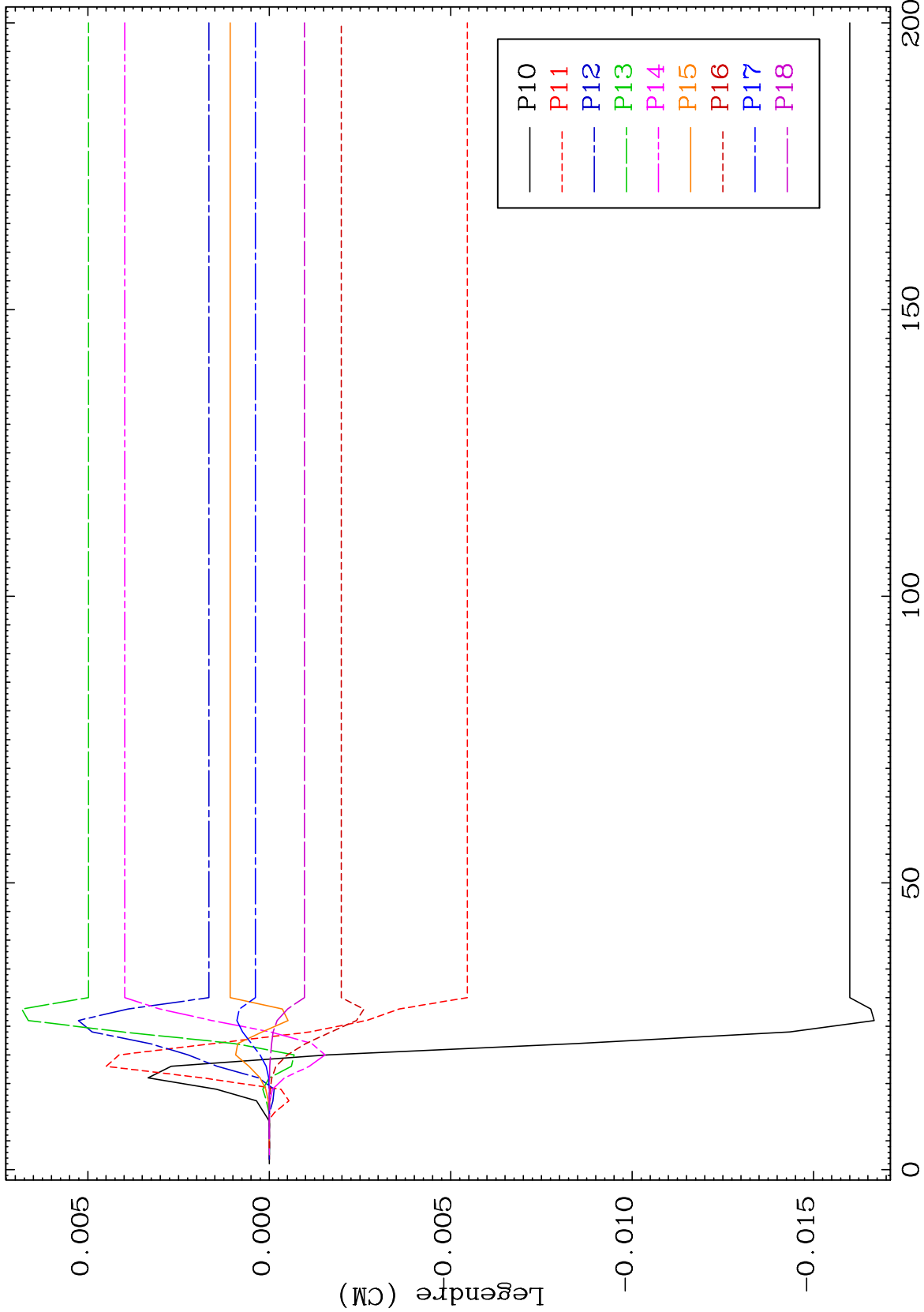
Incident Energy (MeV)

73-Ta-186

MAT 7343

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

73-Ta-186



85

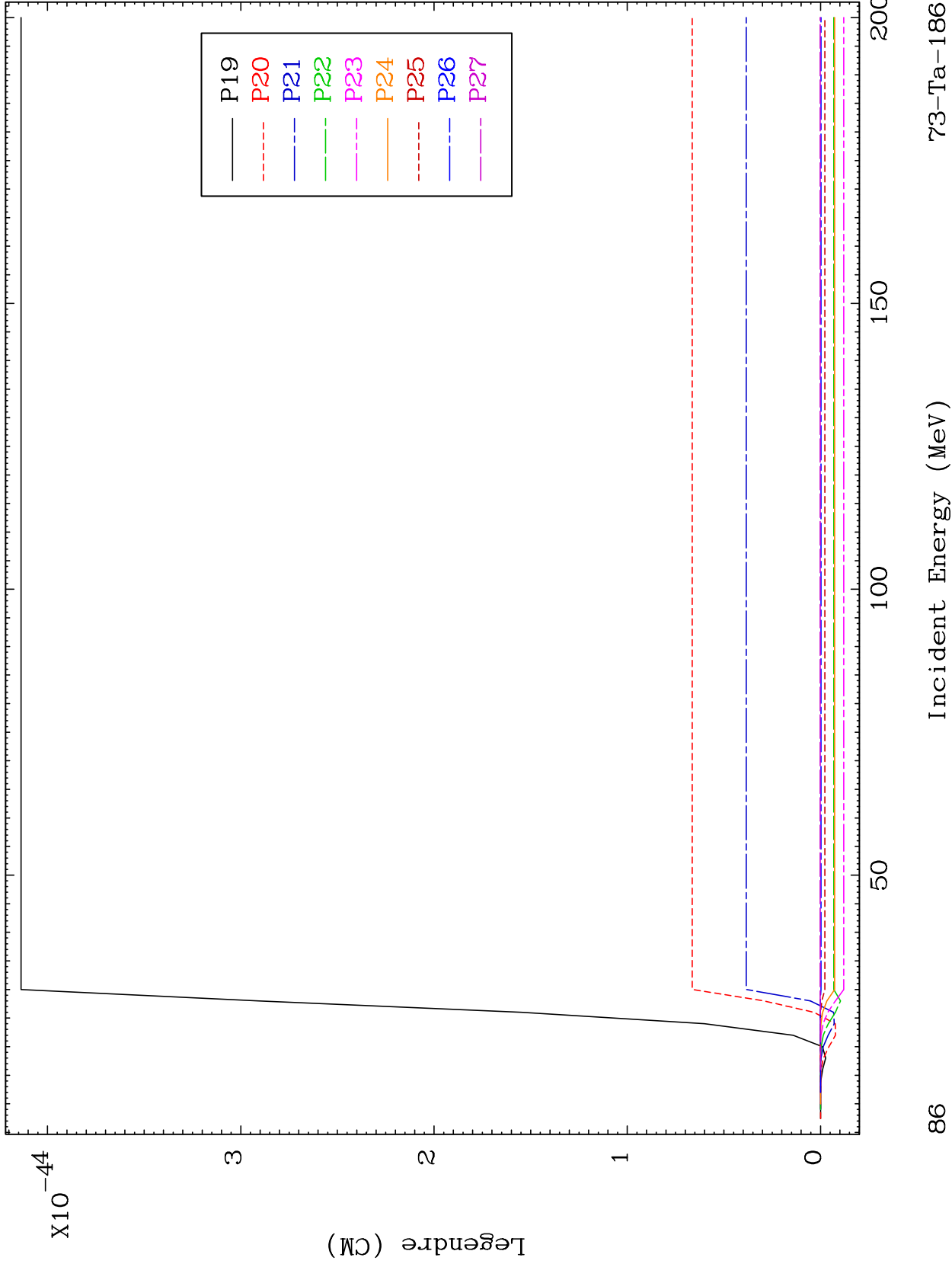
Incident Energy (MeV)

73-Ta-186

MAT 7343

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

73-Ta-186



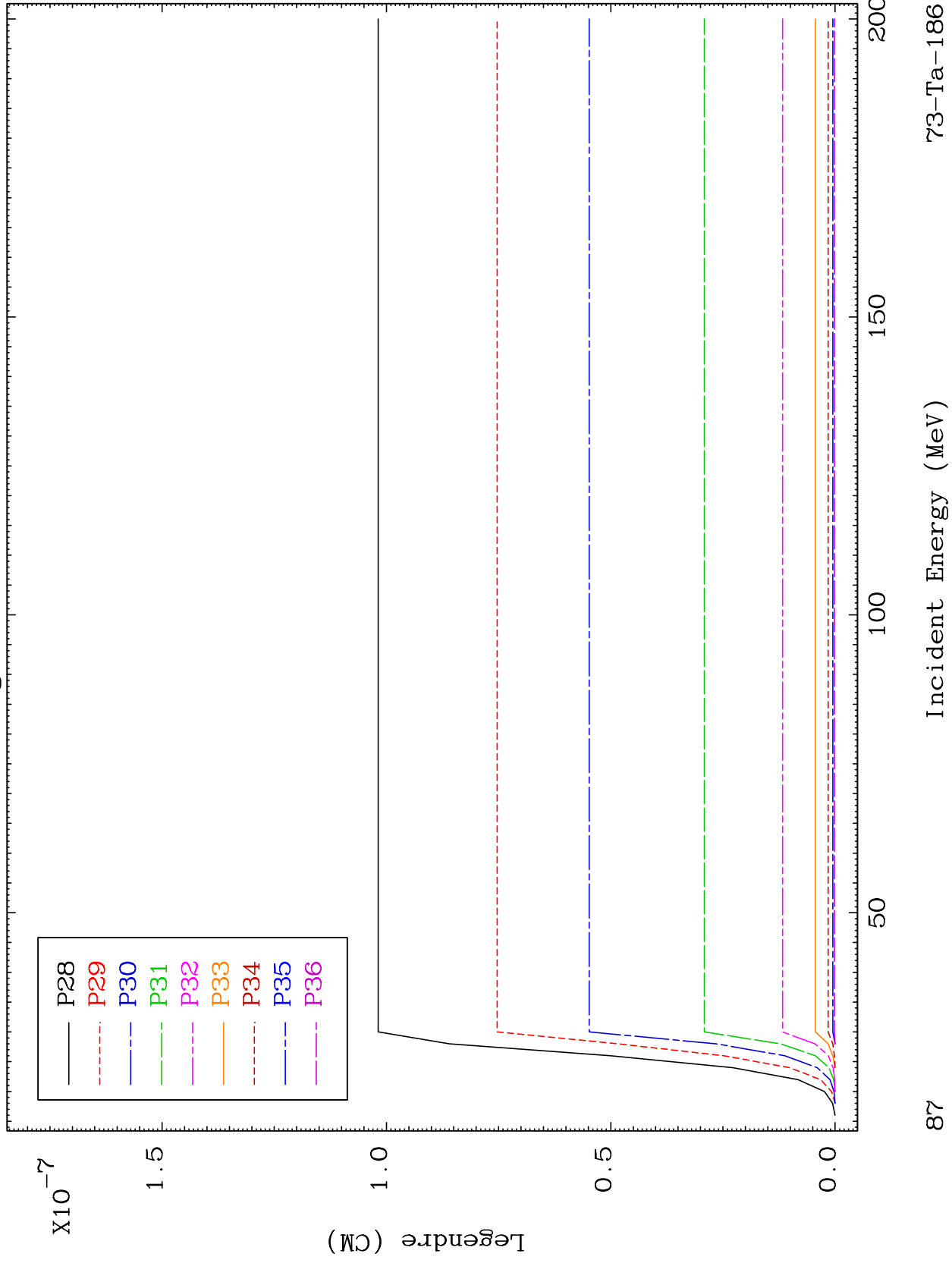
86

73-Ta-186

MAT 7343

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

73-Ta-186



87

Incident Energy (MeV)

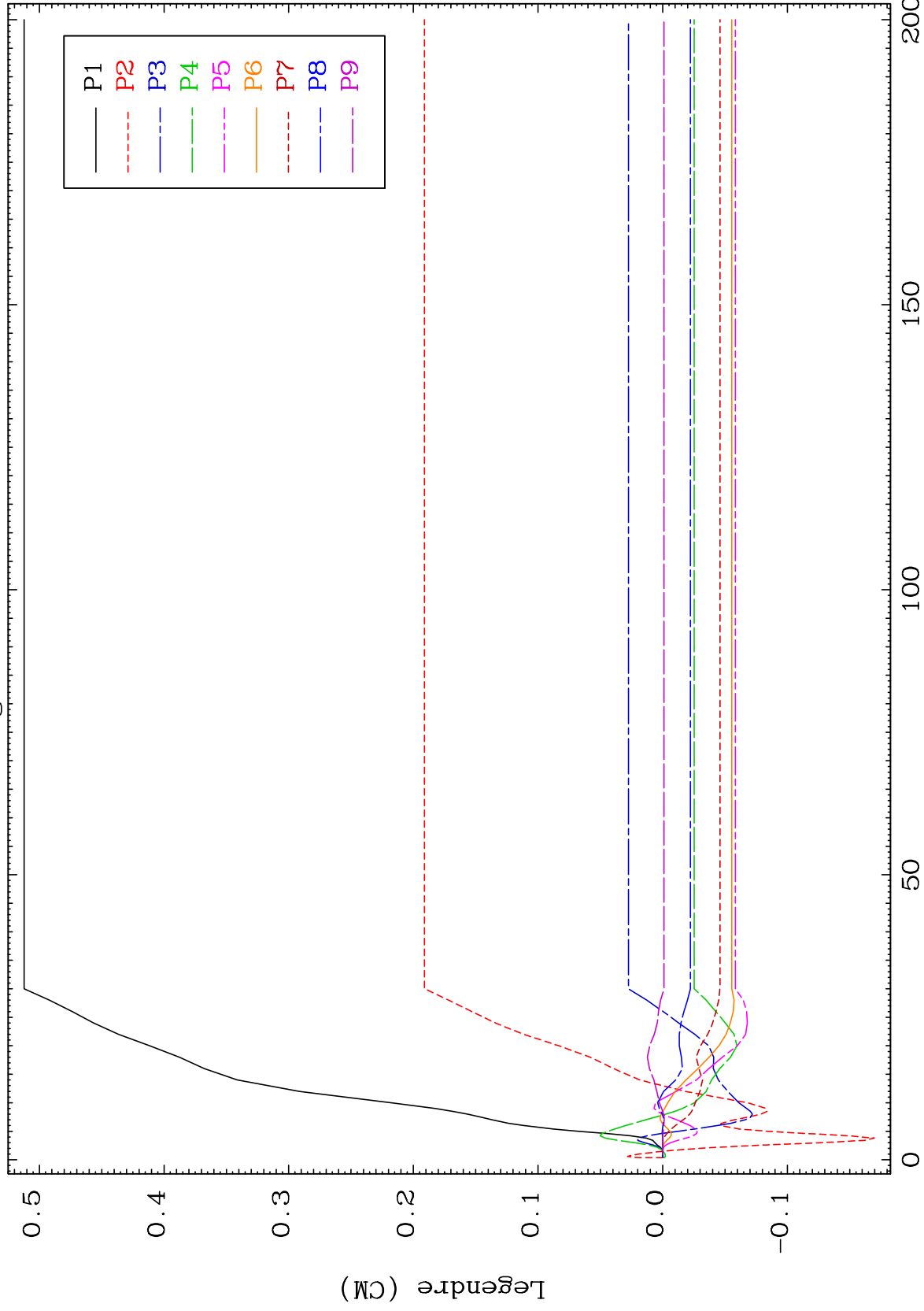
73-Ta-186



MAT 7343

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

73-Ta-186



73-Ta-186

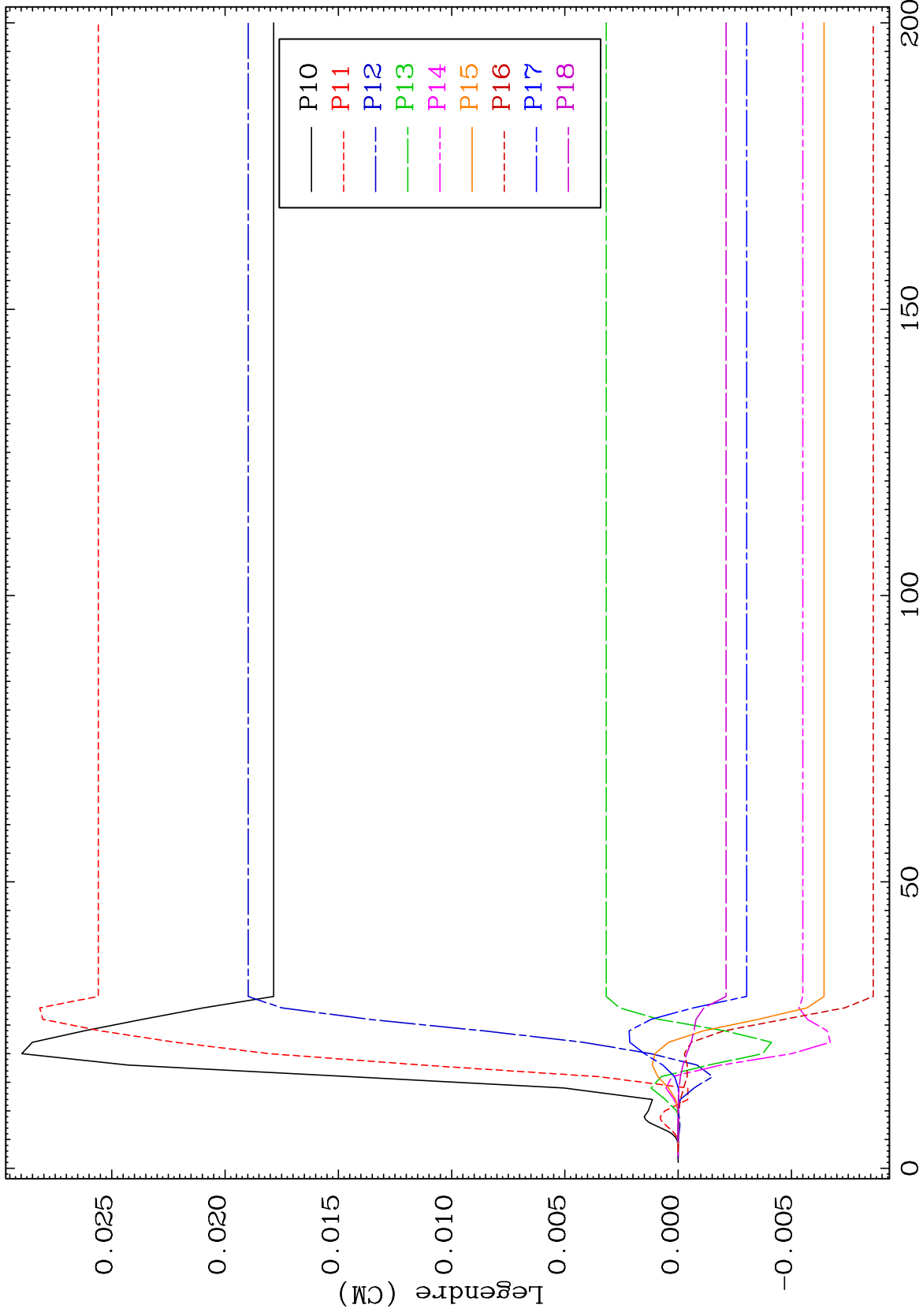
Incident Energy (MeV)

88

MAT 7343

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

73-Ta-186



89

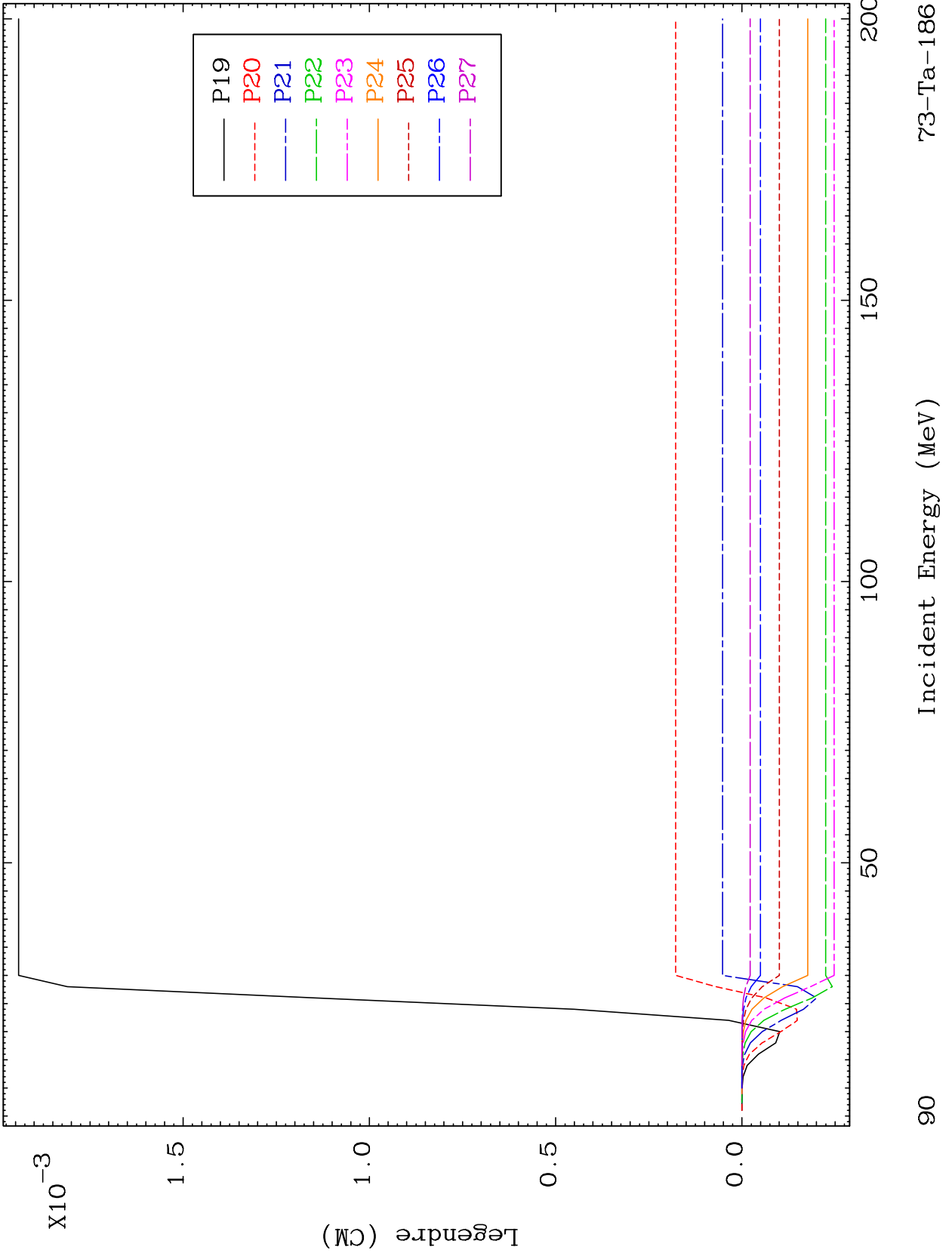
Incident Energy (MeV)

73-Ta-186

MAT 7343

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

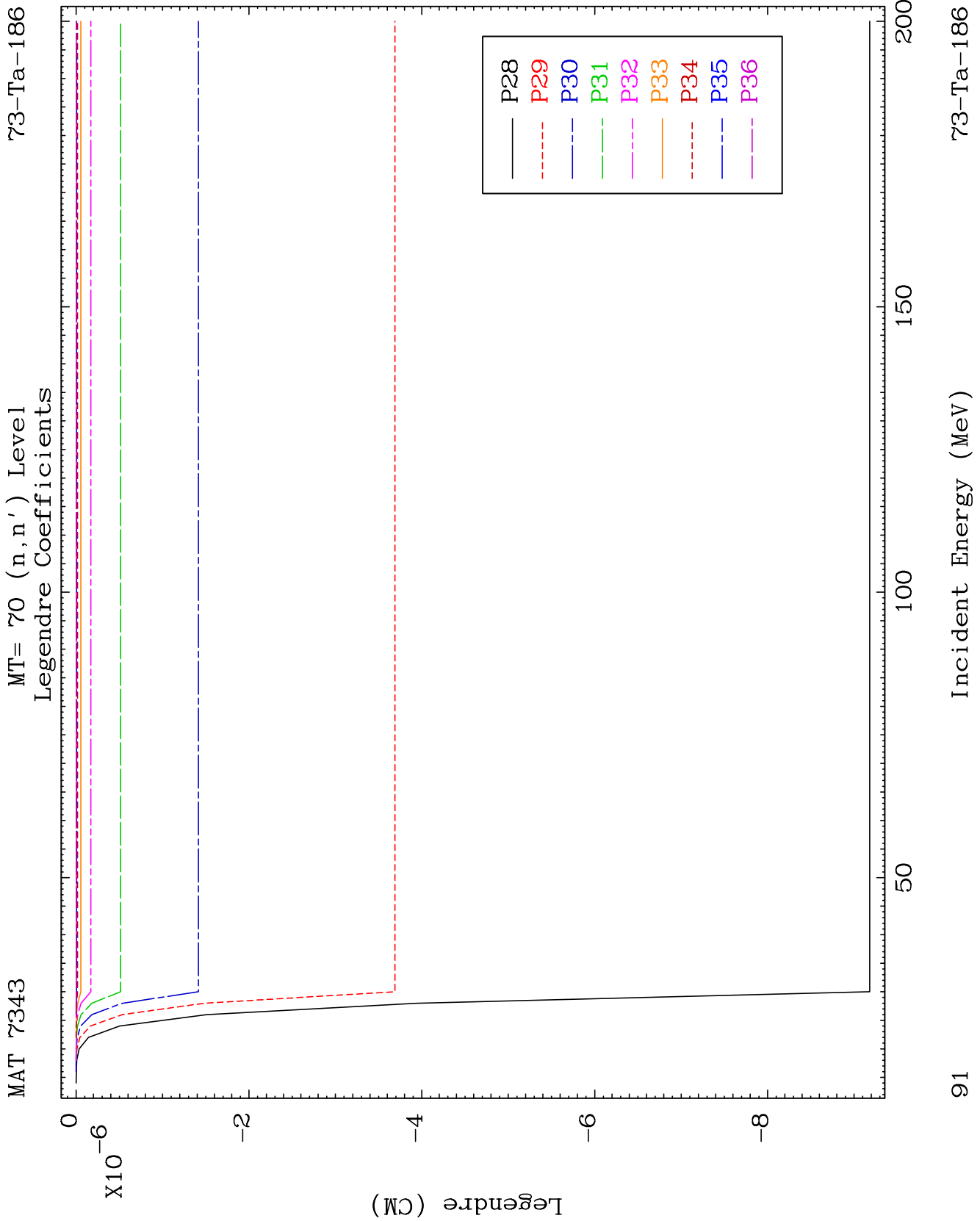
73-Ta-186

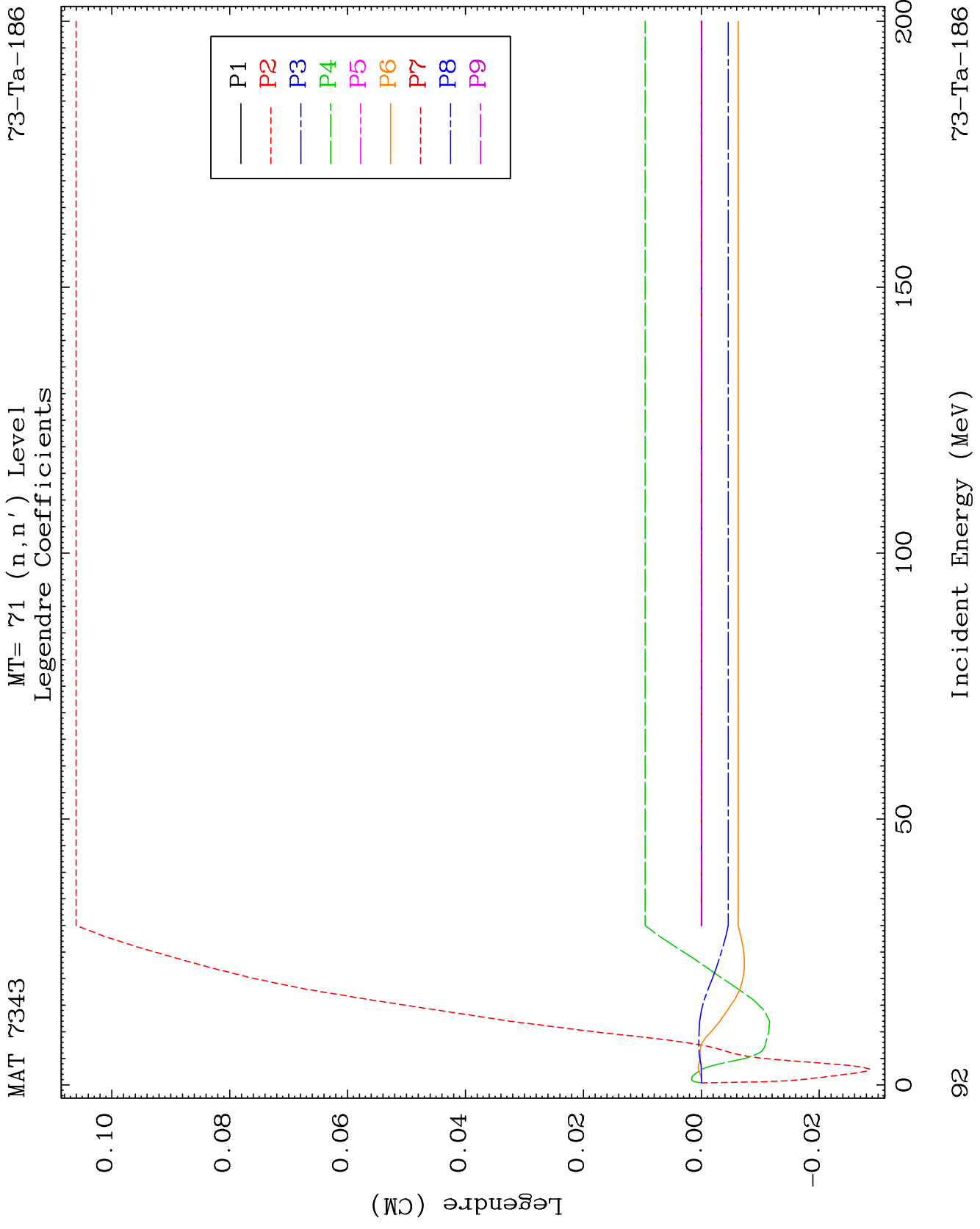


90

Incident Energy (MeV)

73-Ta-186

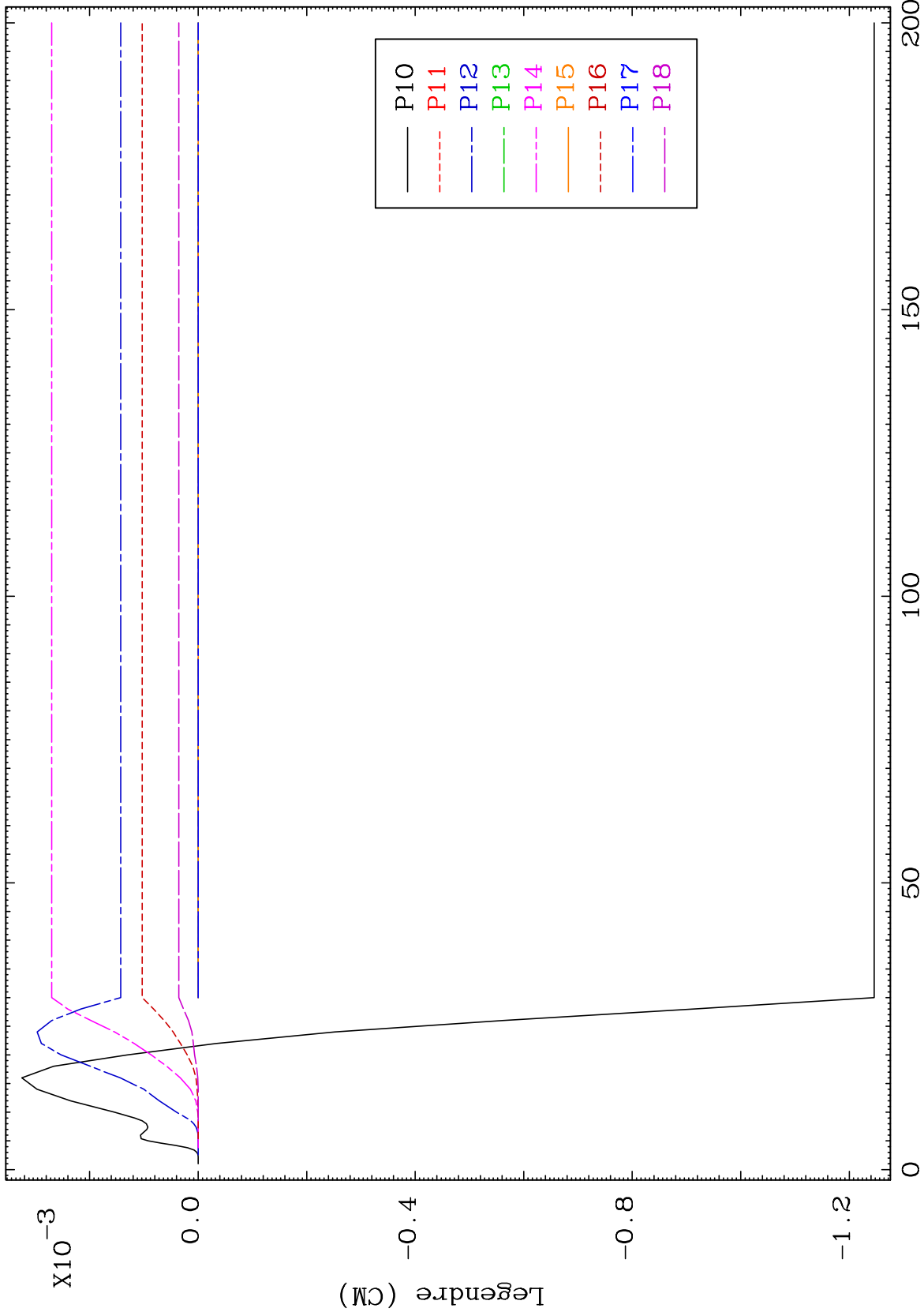




MAT 7343

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

73-Ta-186

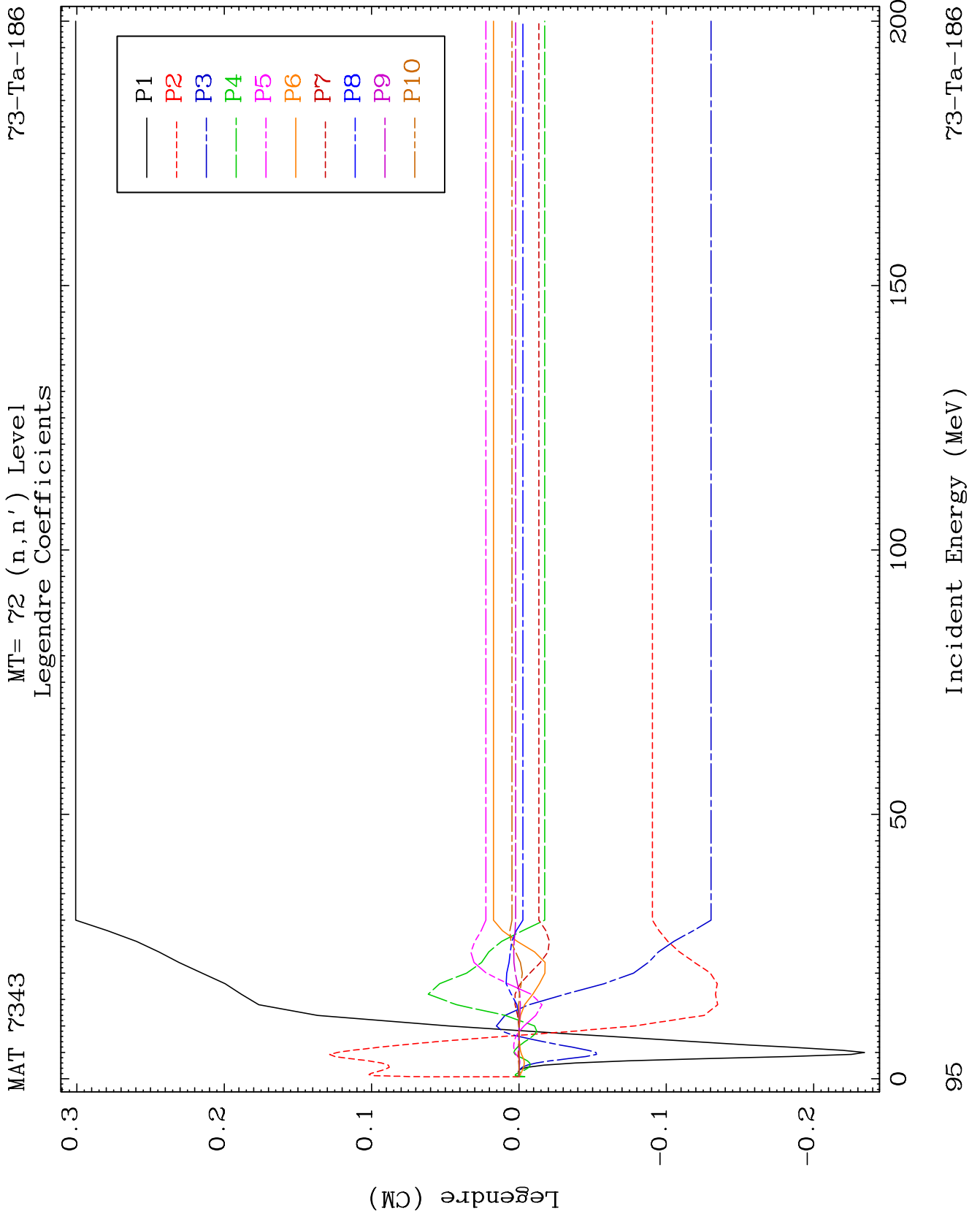


93

Incident Energy (MeV)

73-Ta-186



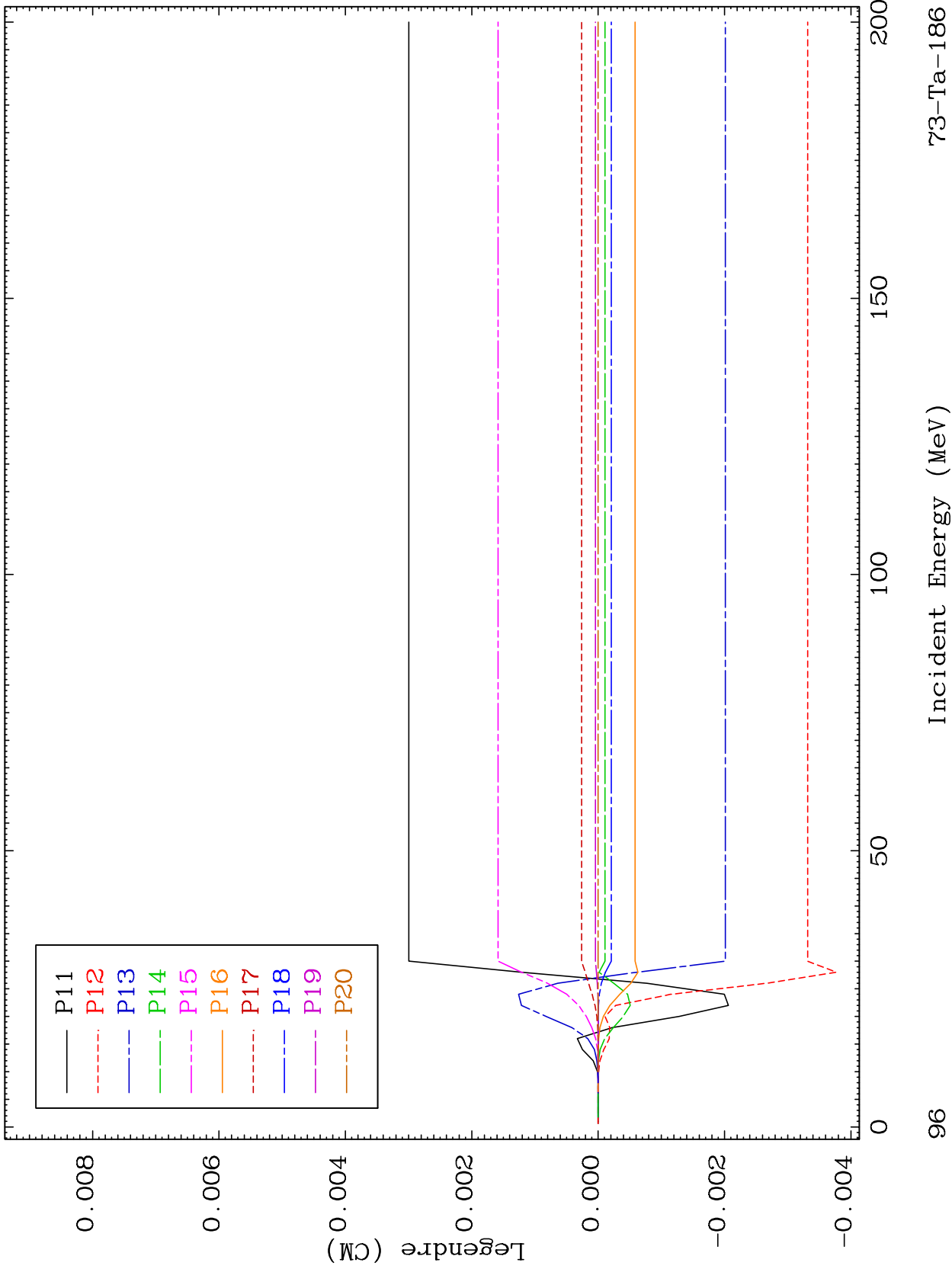




MAT 7343

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

73-Ta-186



96

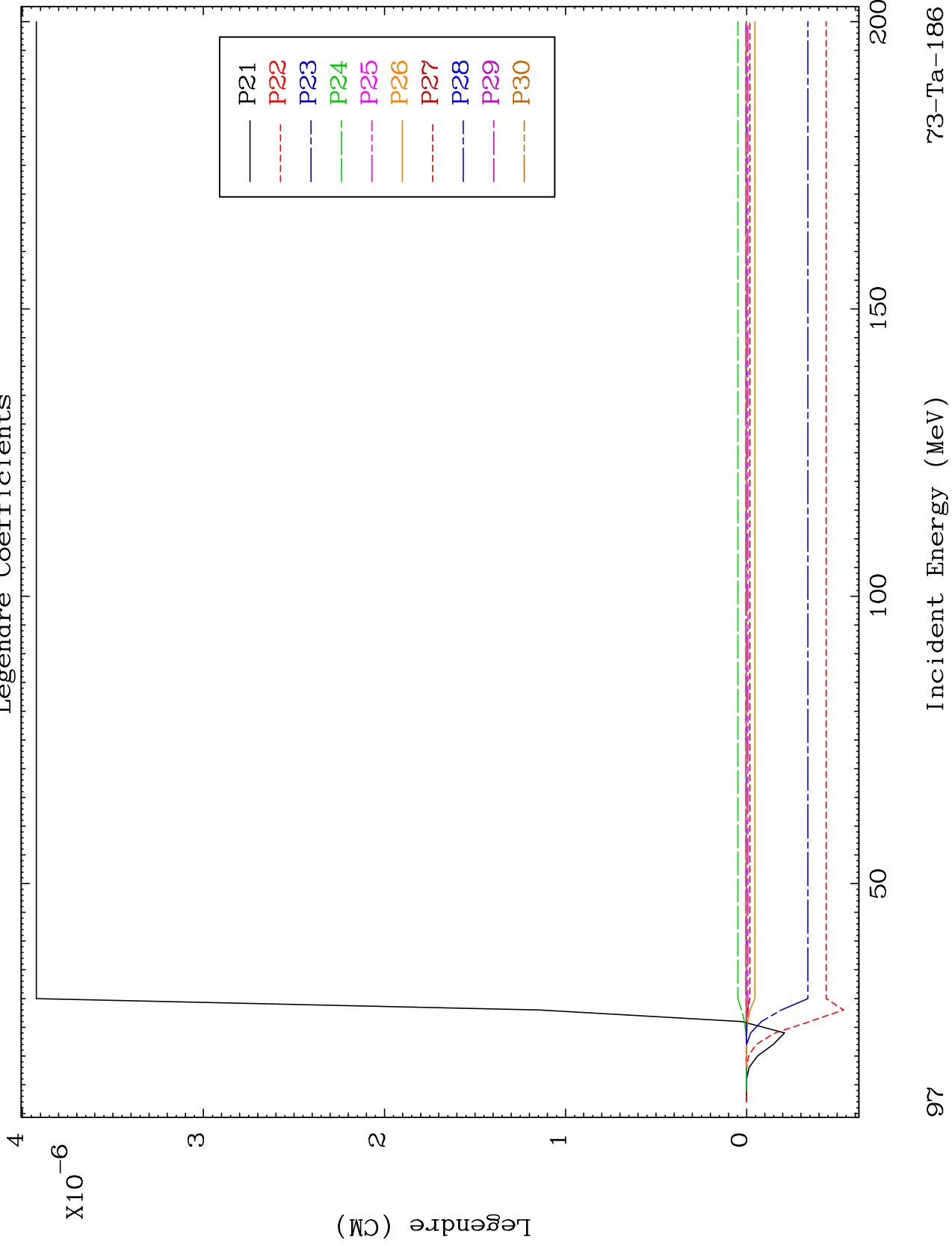
Incident Energy (MeV)

73-Ta-186

MAT 7343

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

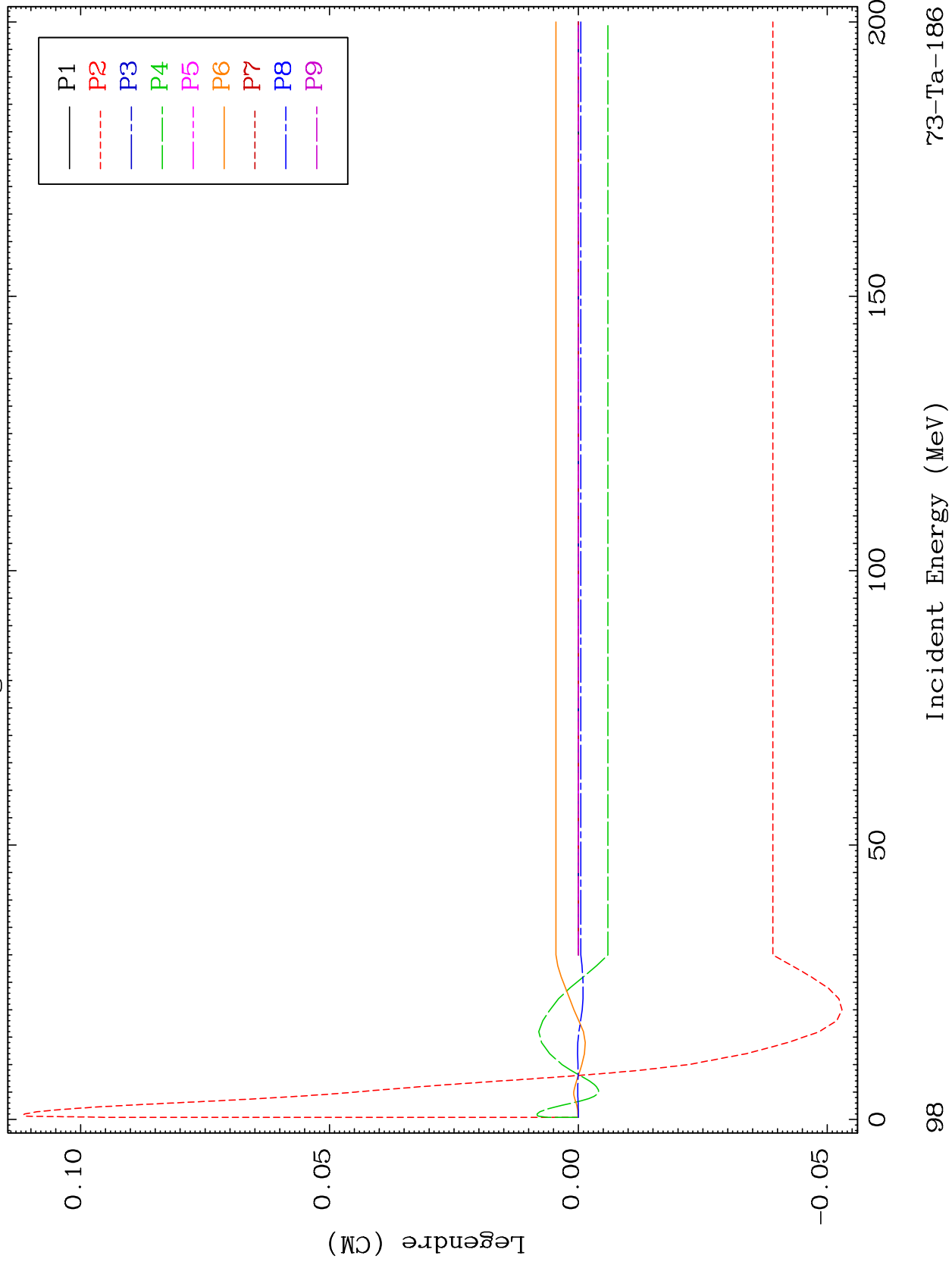
73-Ta-186



MAT 7343

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

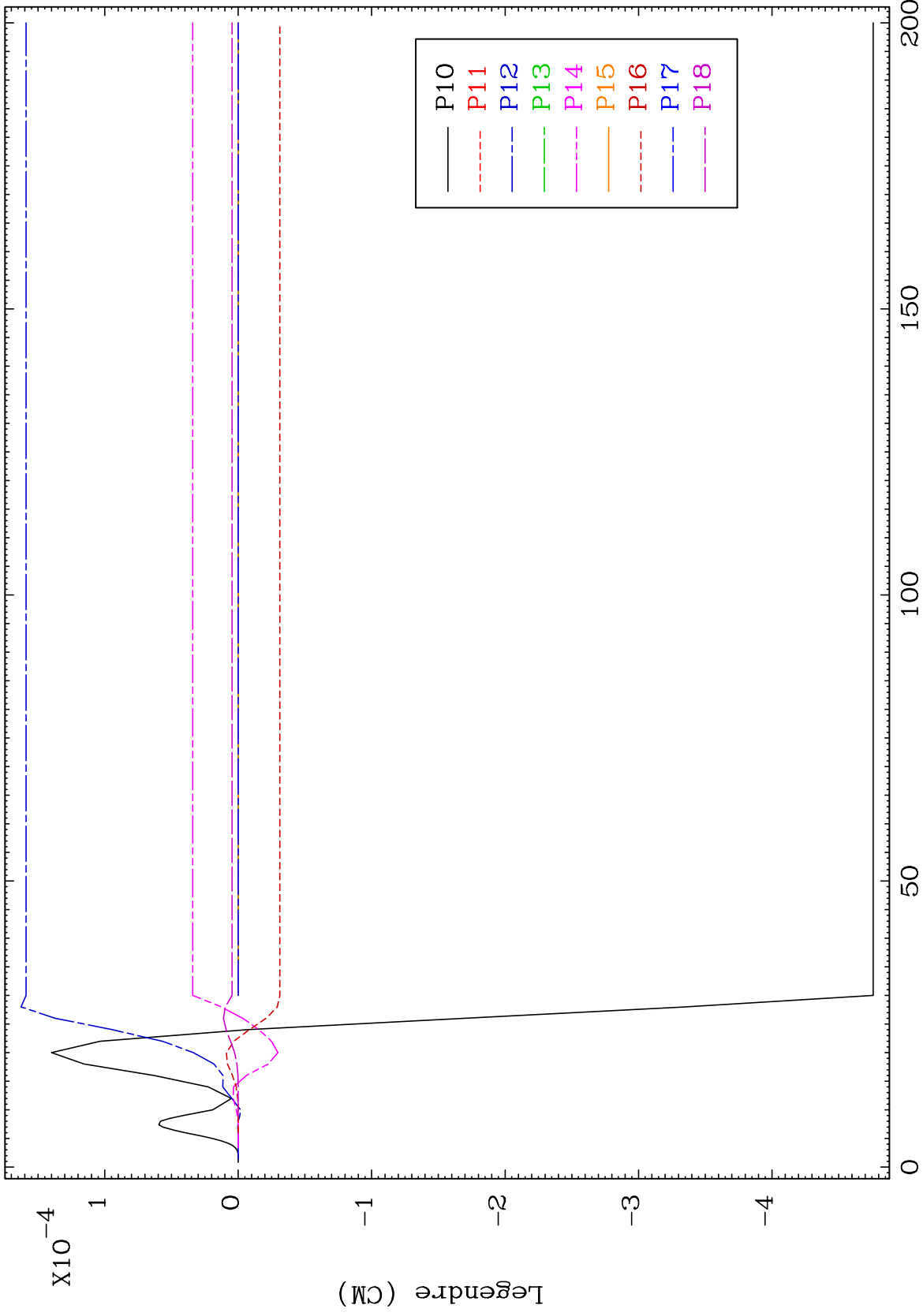
73-Ta-186



73-Ta-186

Incident Energy (MeV)

98

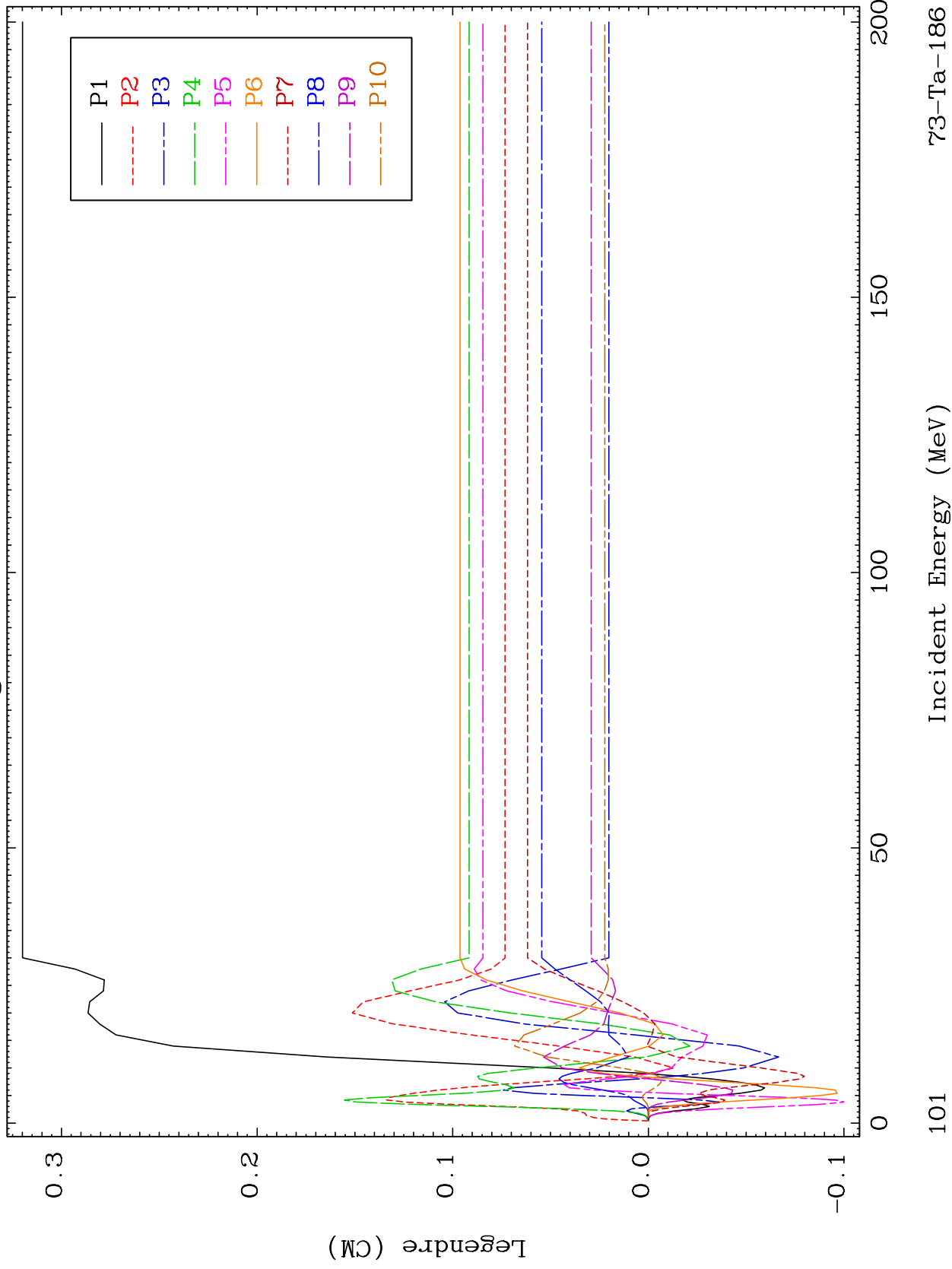




MAT 7343

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

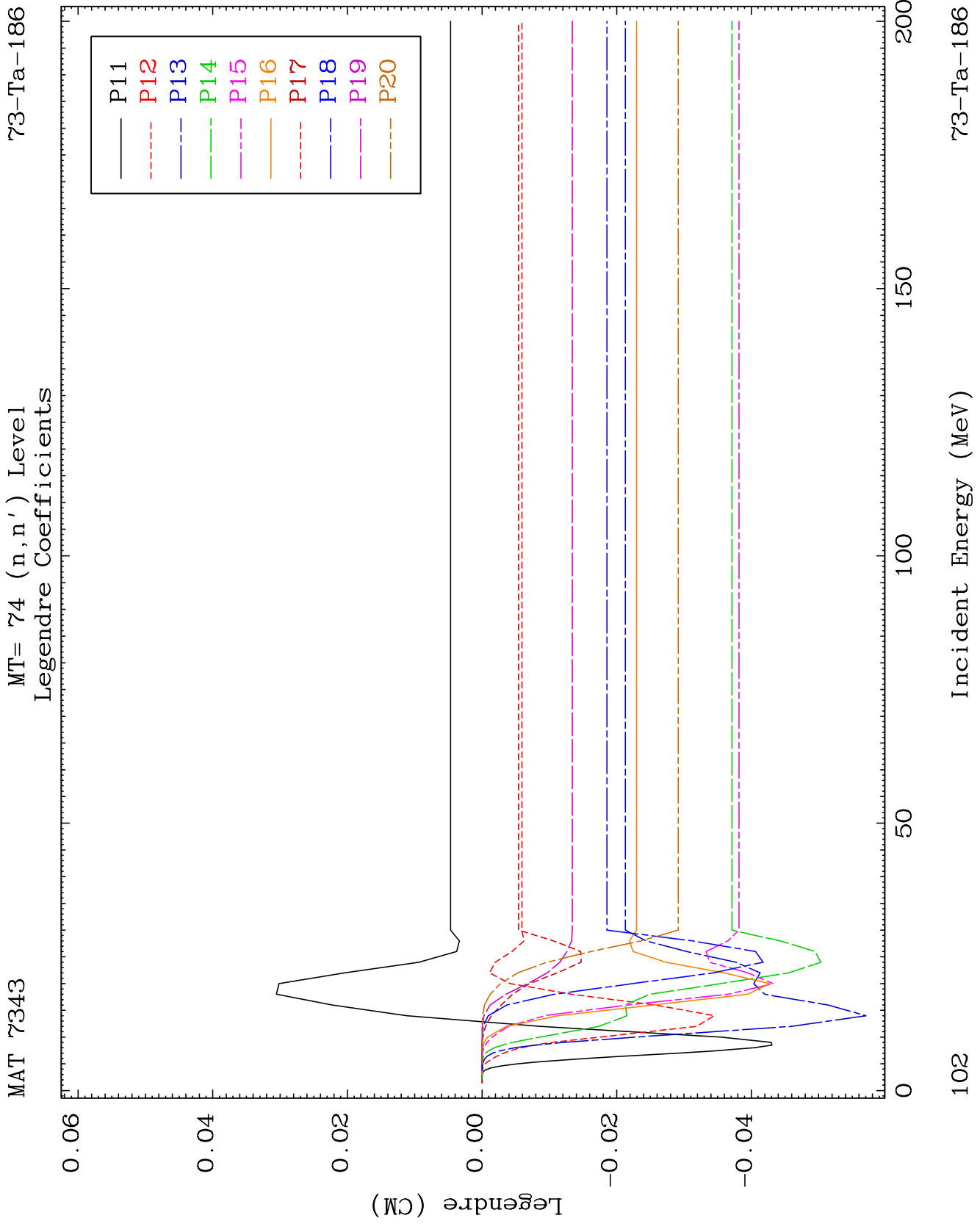
73-Ta-186

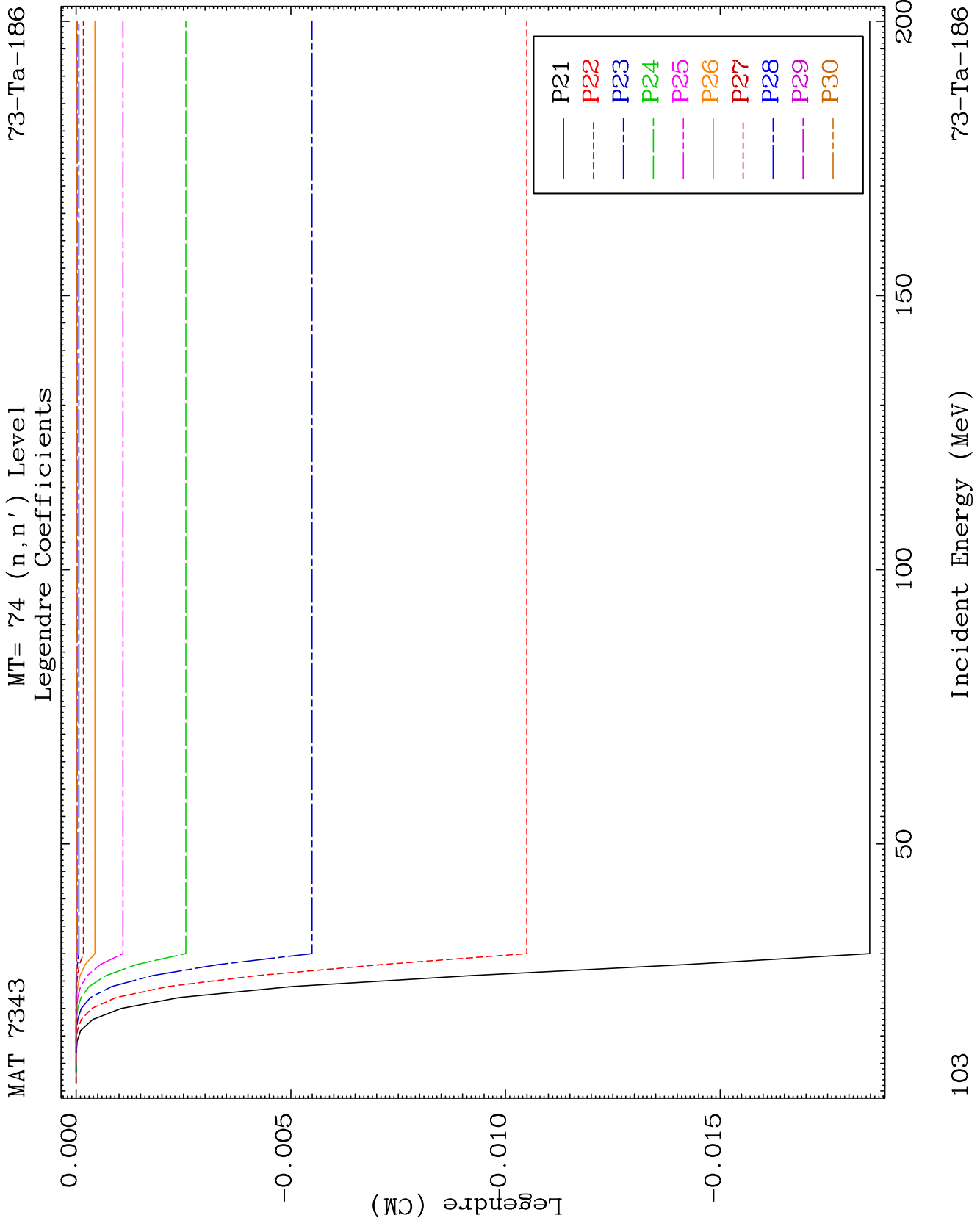


73-Ta-186

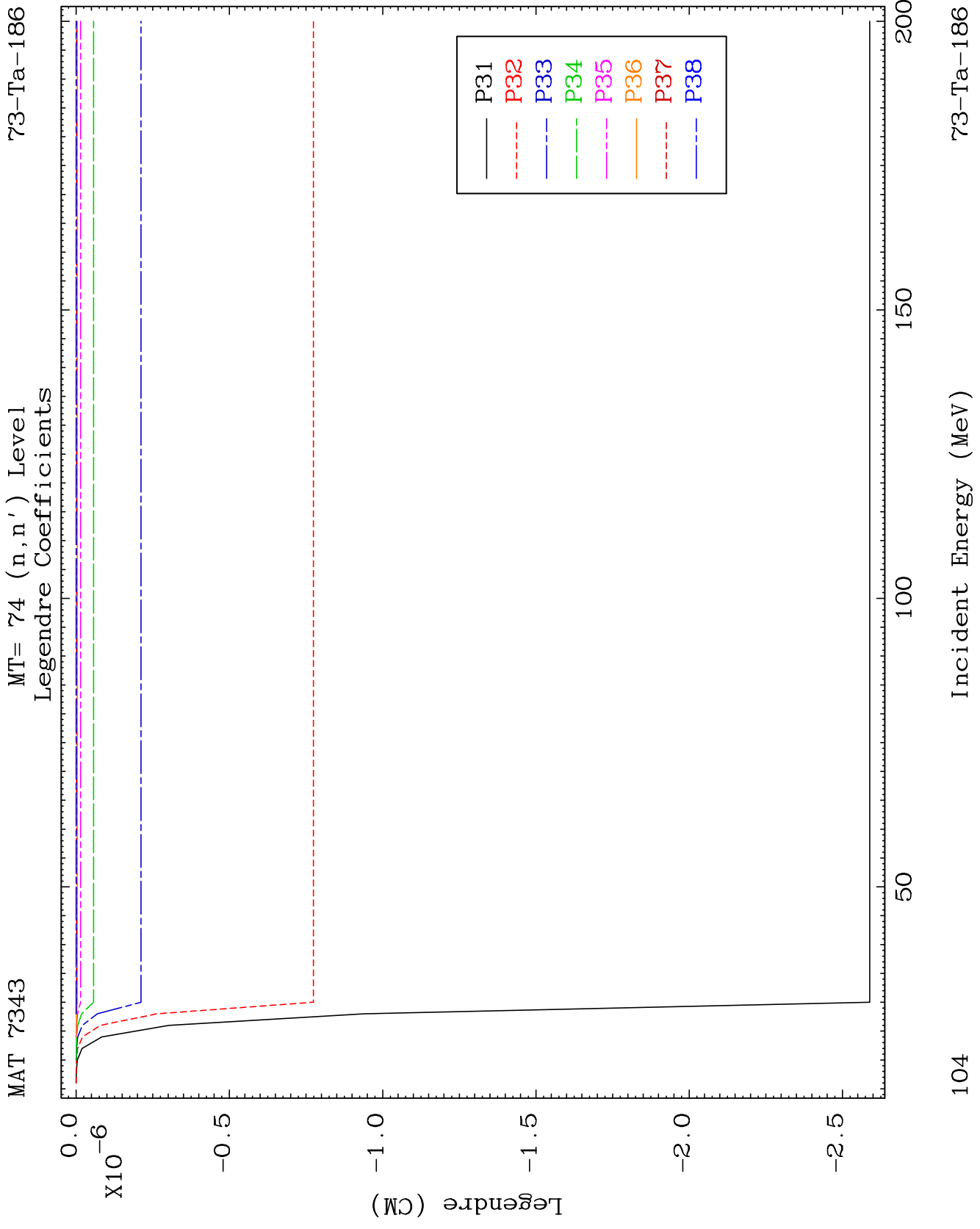
Incident Energy (MeV)

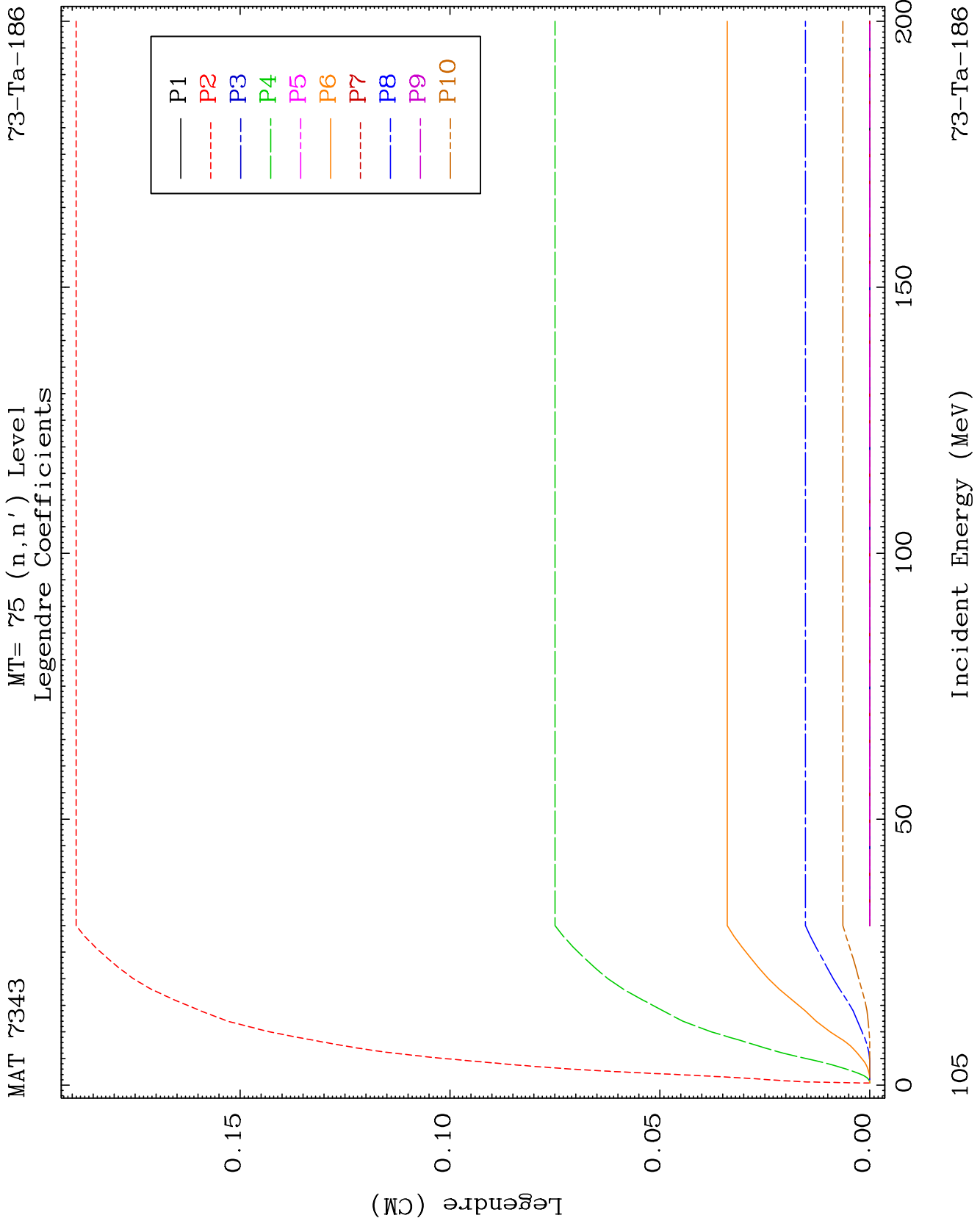
101

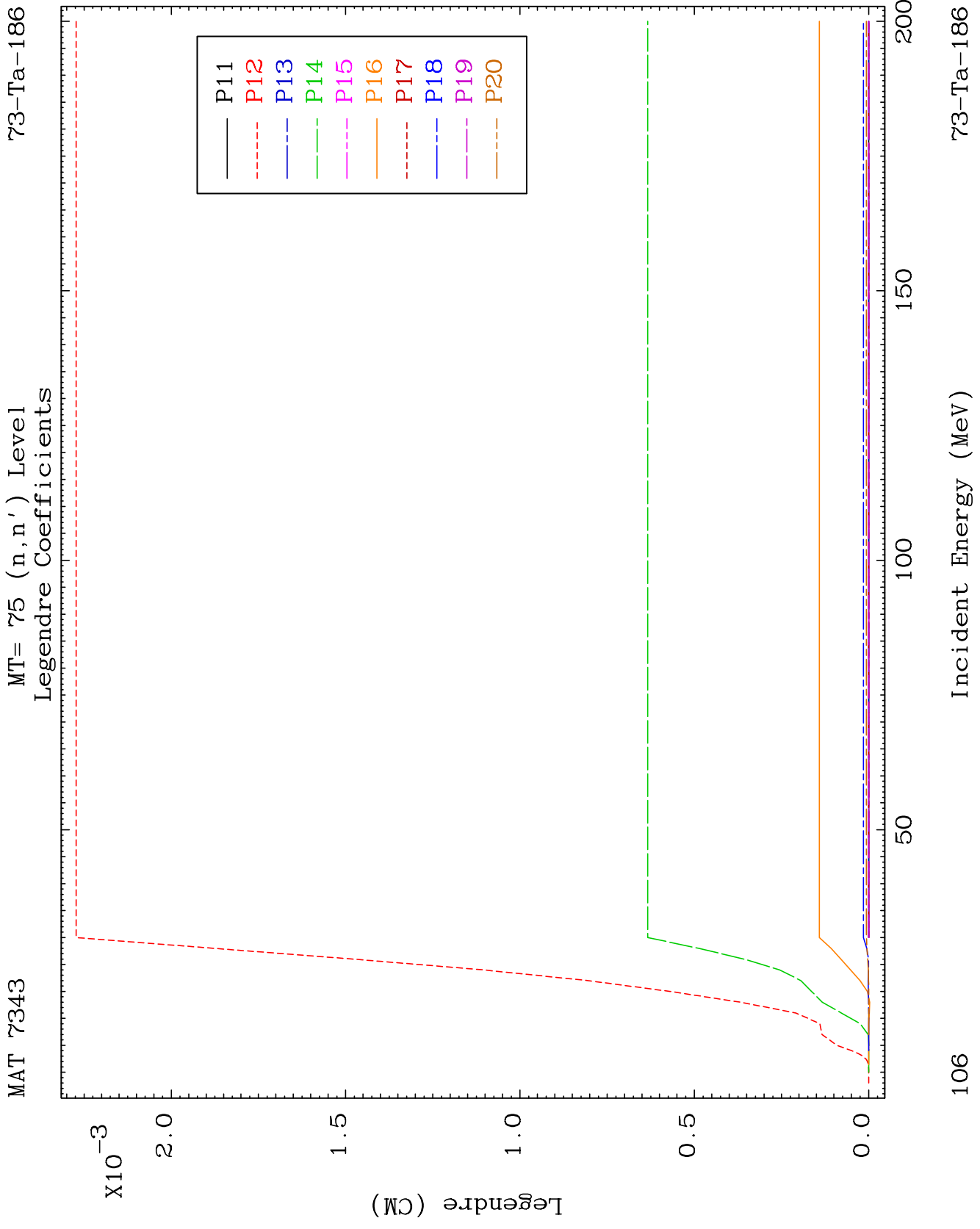


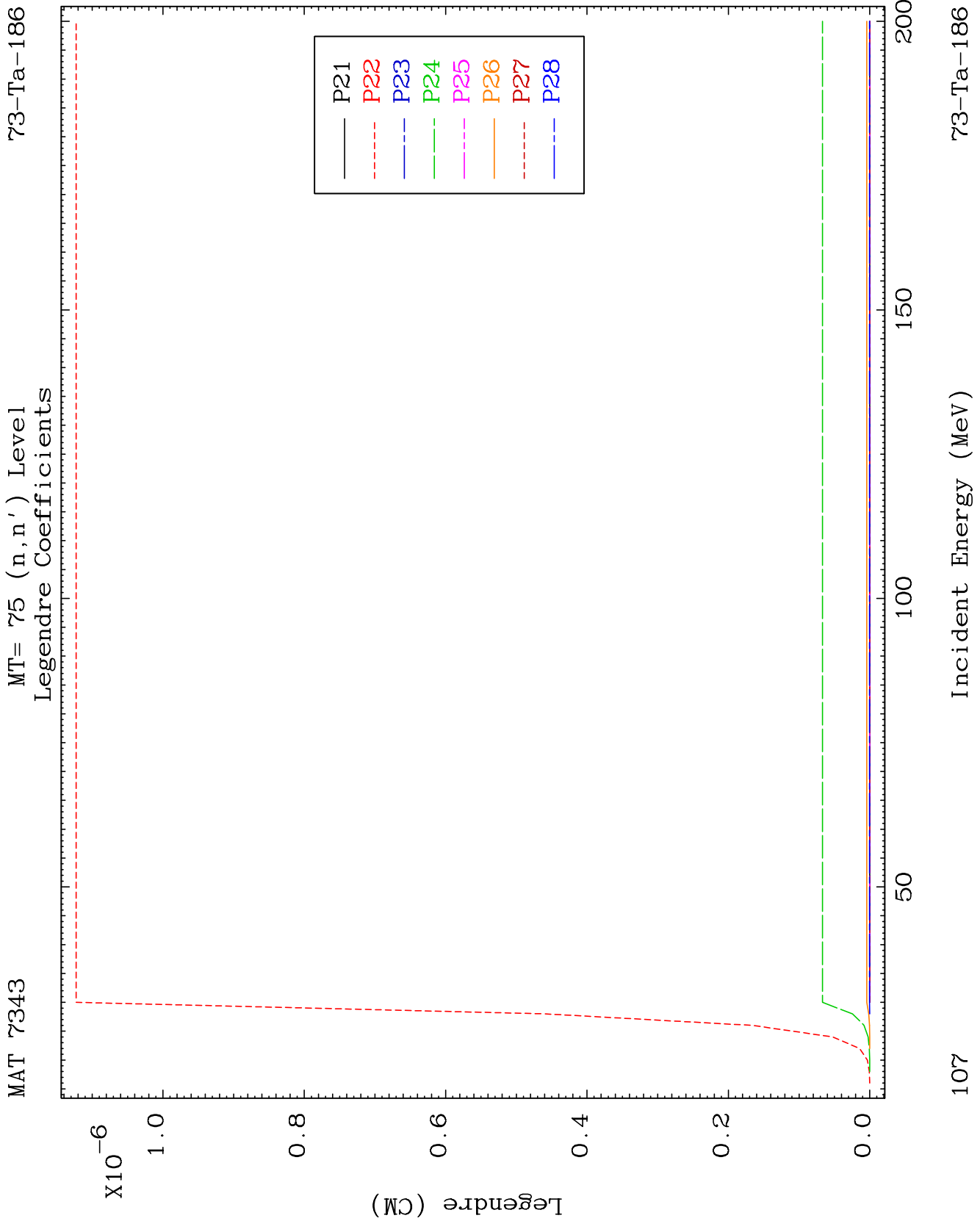








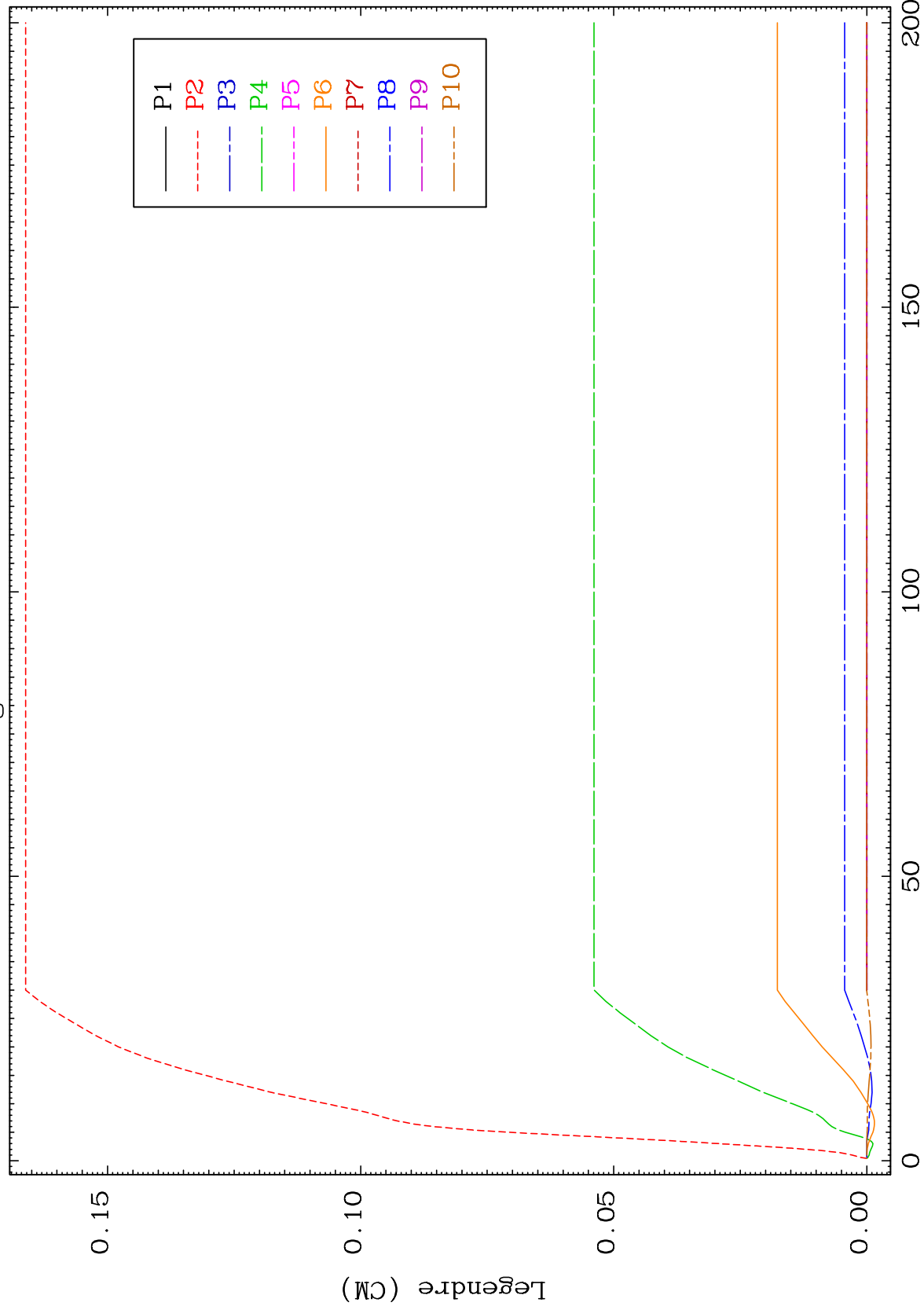




MAT 7343

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

73-Ta-186



73-Ta-186

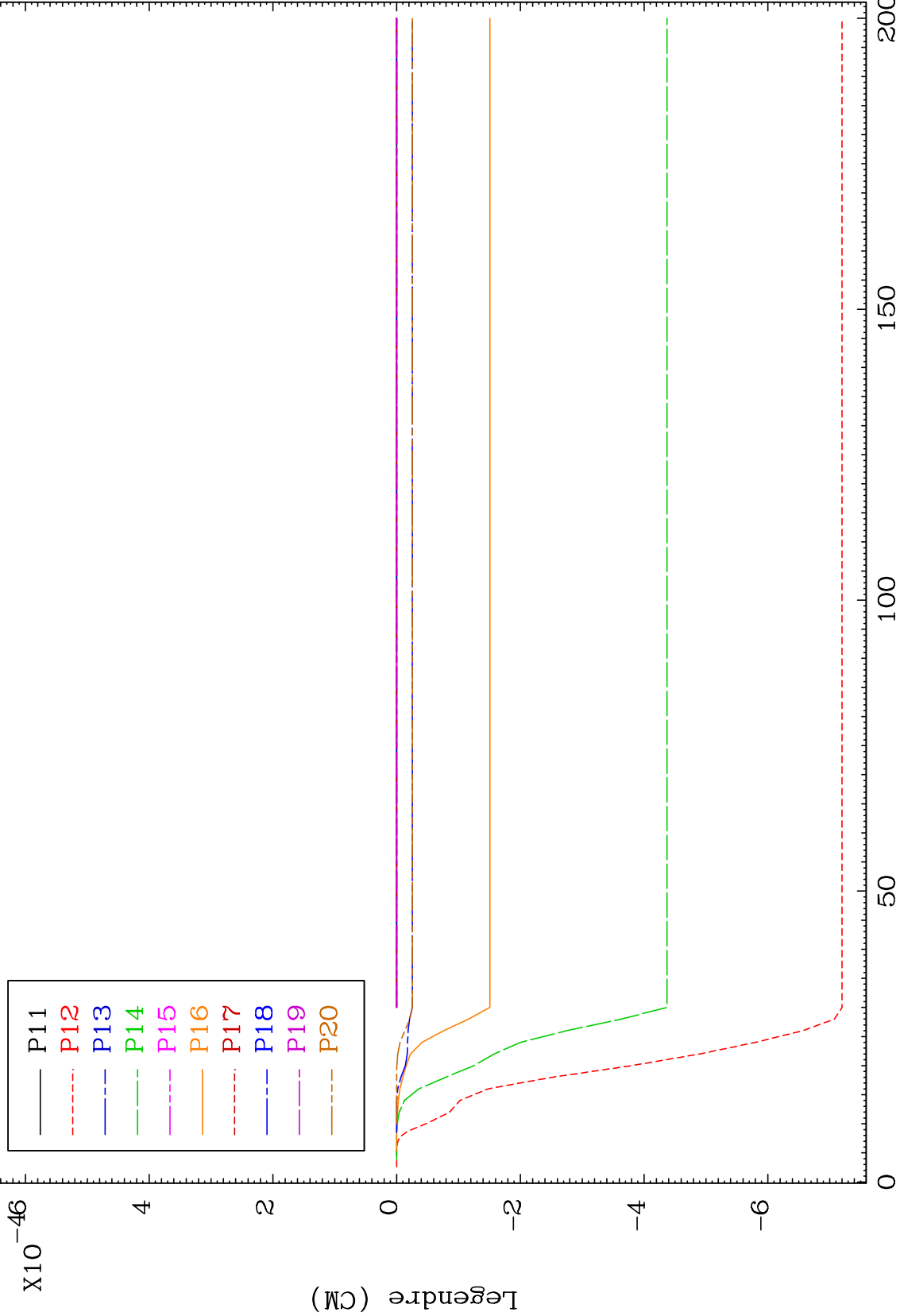
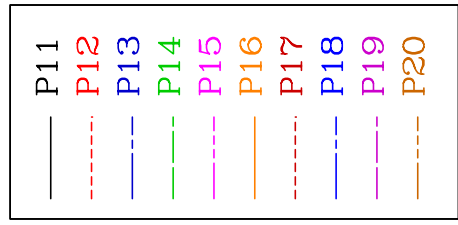
Incident Energy (MeV)

108

MAT 7343

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

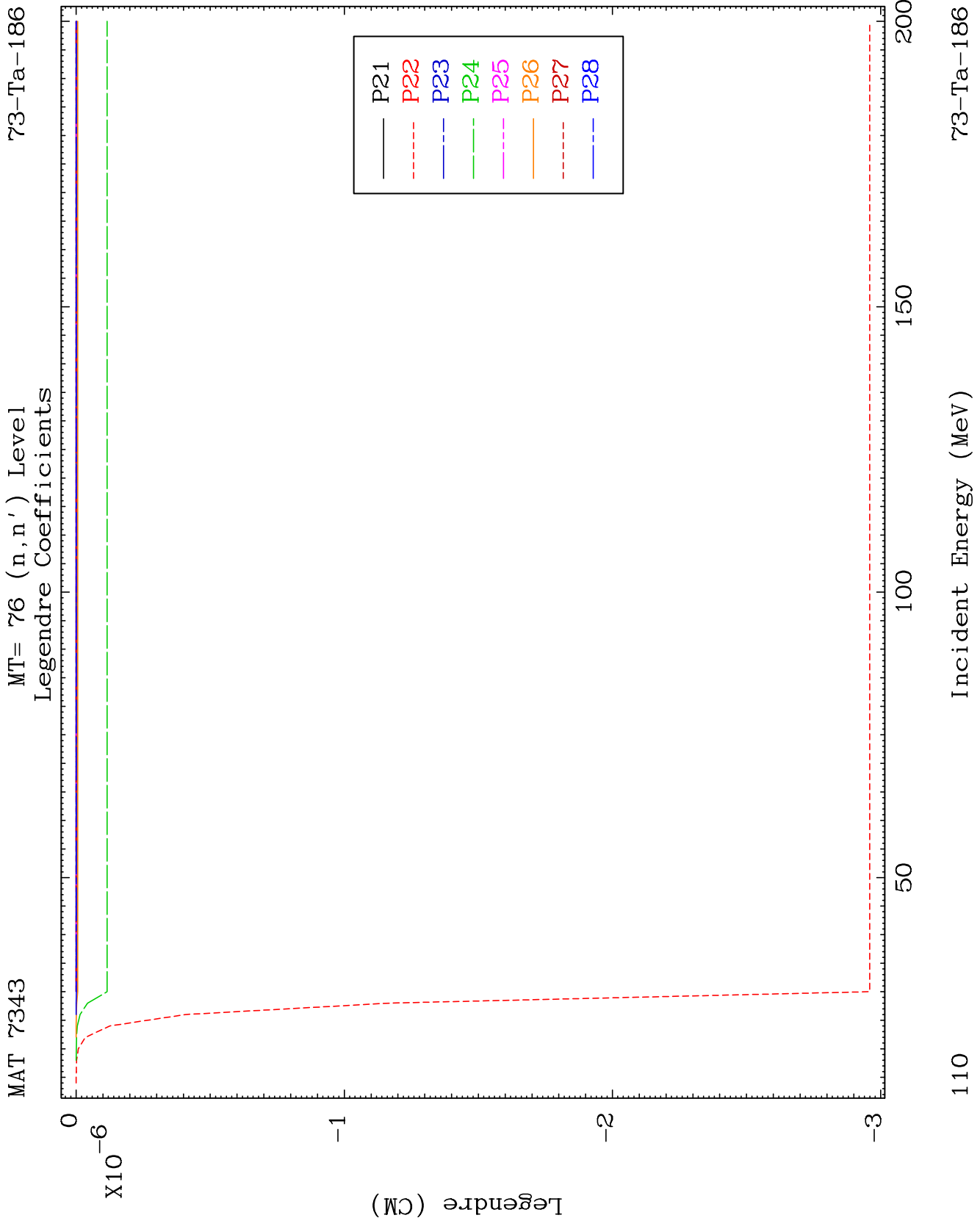
73-Ta-186



109

Incident Energy (MeV)

73-Ta-186

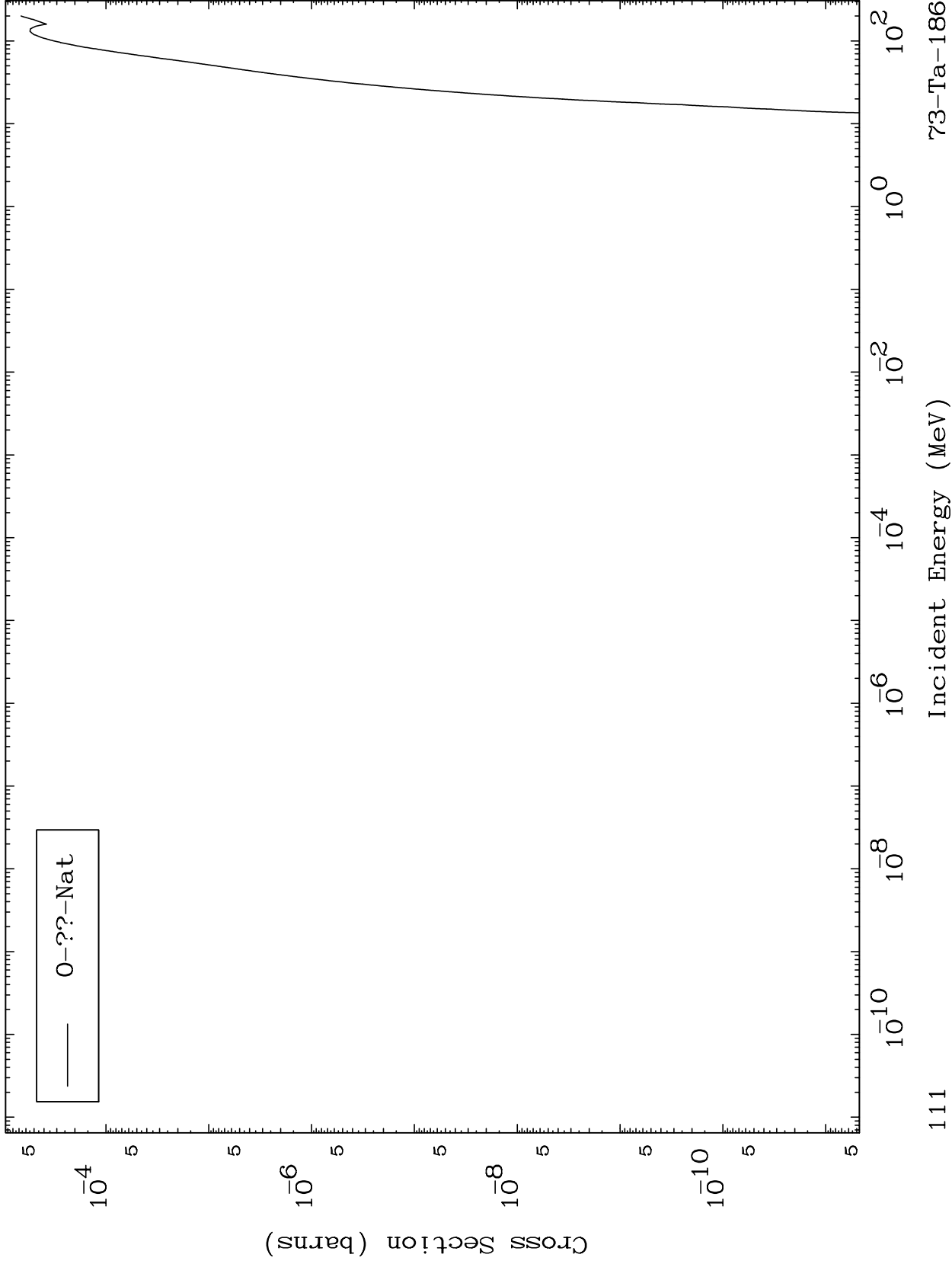


MAT 7343

Fission

<sup>73</sup>Ta-186

Radionuclide Production Cross Section



111

Incident Energy (MeV)

<sup>73</sup>Ta-186

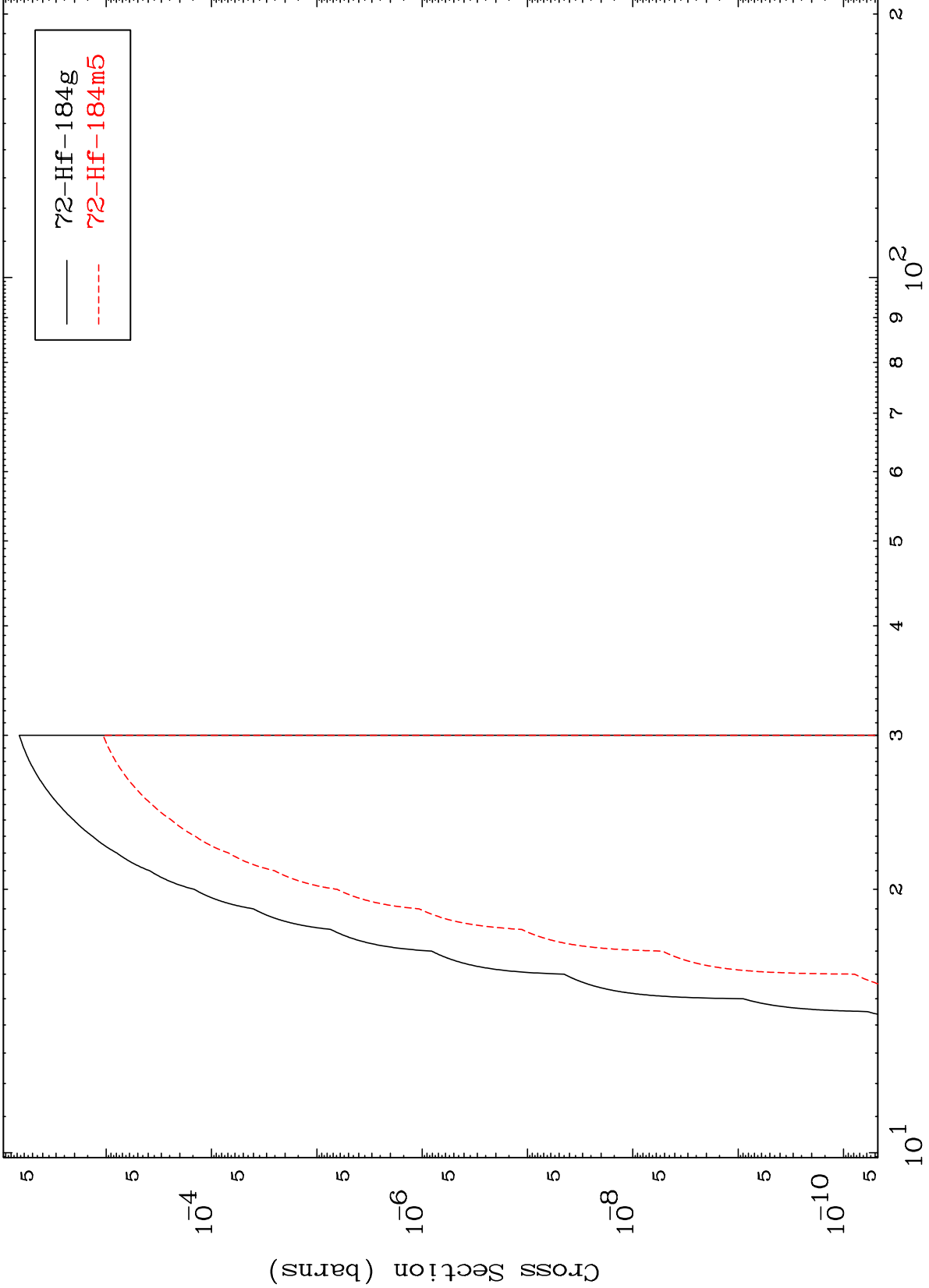


MAT 7343

(n,n') d

73-Ta-186

Radionuclide Production Cross Section

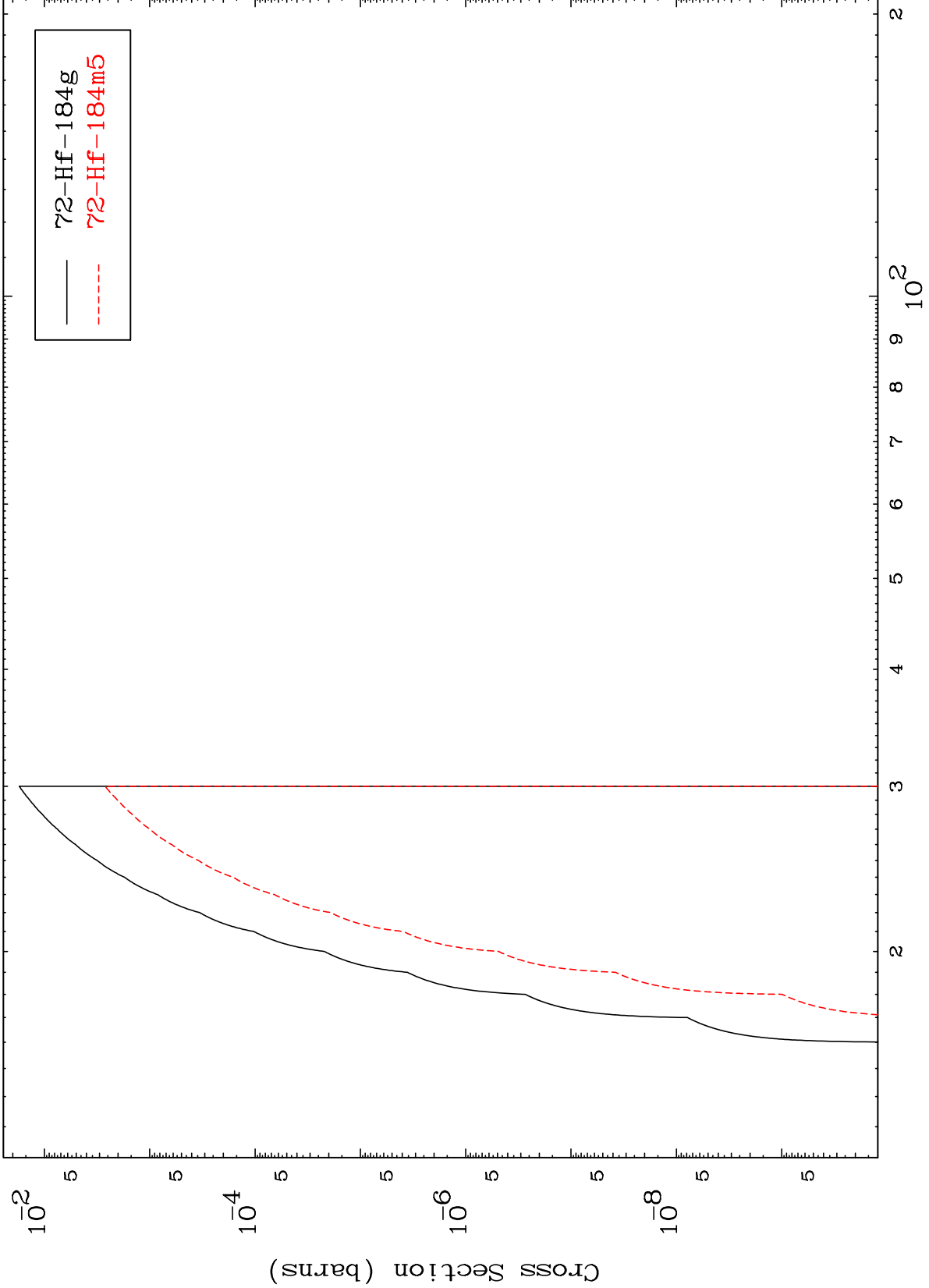


112

Incident Energy (MeV)

73-Ta-186

Radionuclide Production Cross Section

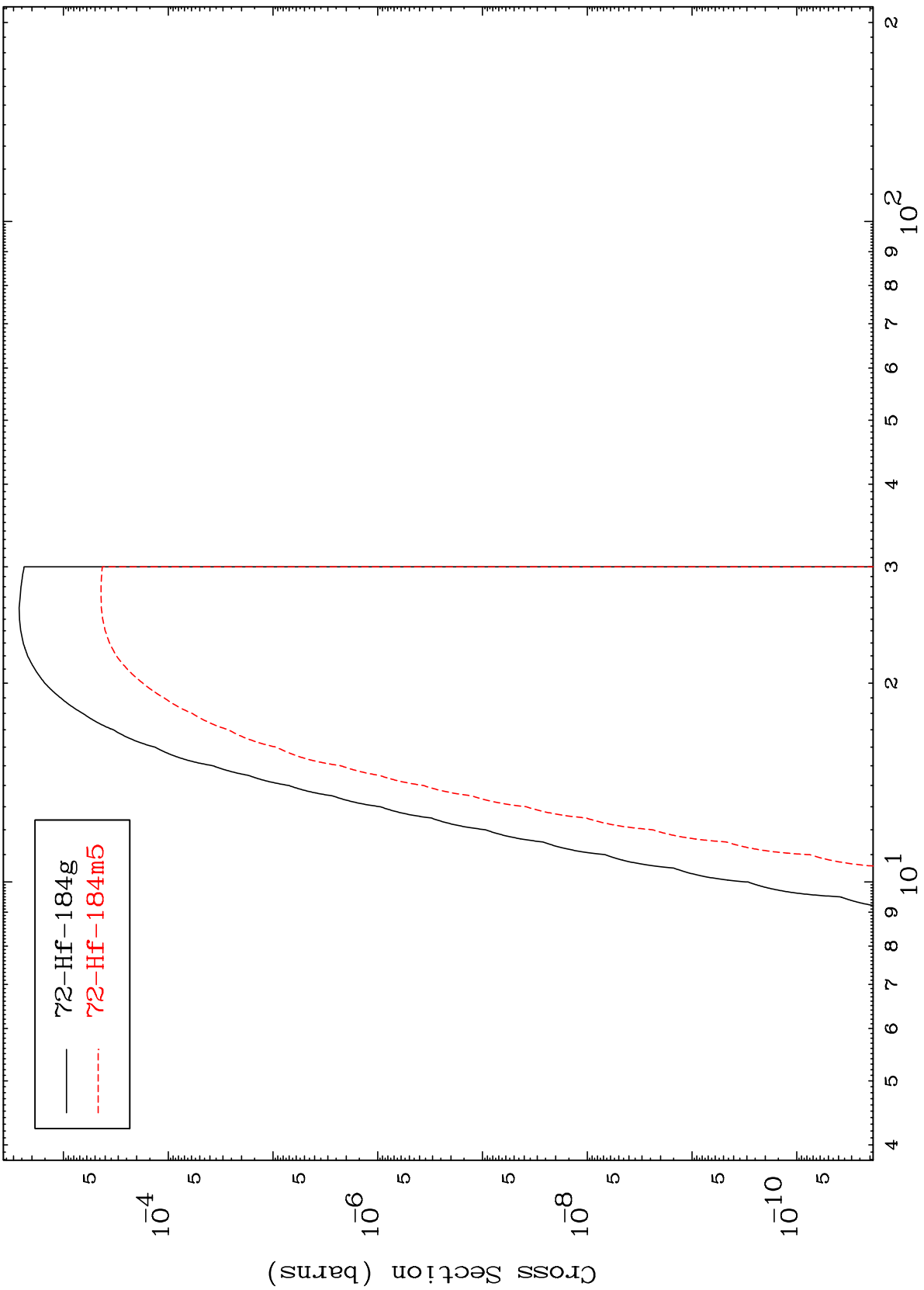


72-Hf-184g  
72-Hf-184m5

MAT 7343

<sup>73</sup>Ta-186

Radionuclide Production Cross Section (n, t)



— <sup>72</sup>Hf-184g  
- - - <sup>72</sup>Hf-184m5

Incident Energy (MeV)

<sup>73</sup>Ta-186

114