

Program EVALPLOT  
(Version 2021-1)

by

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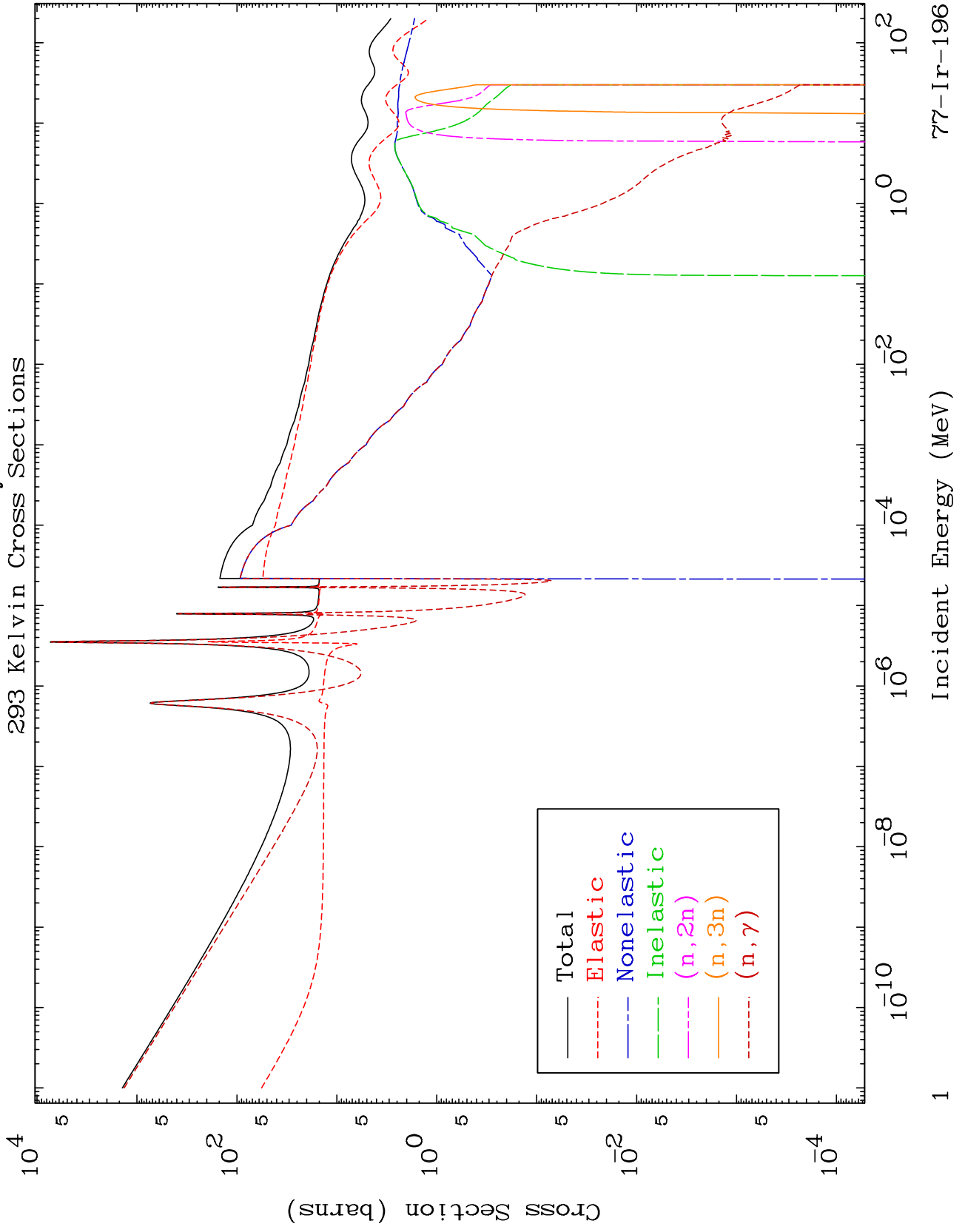
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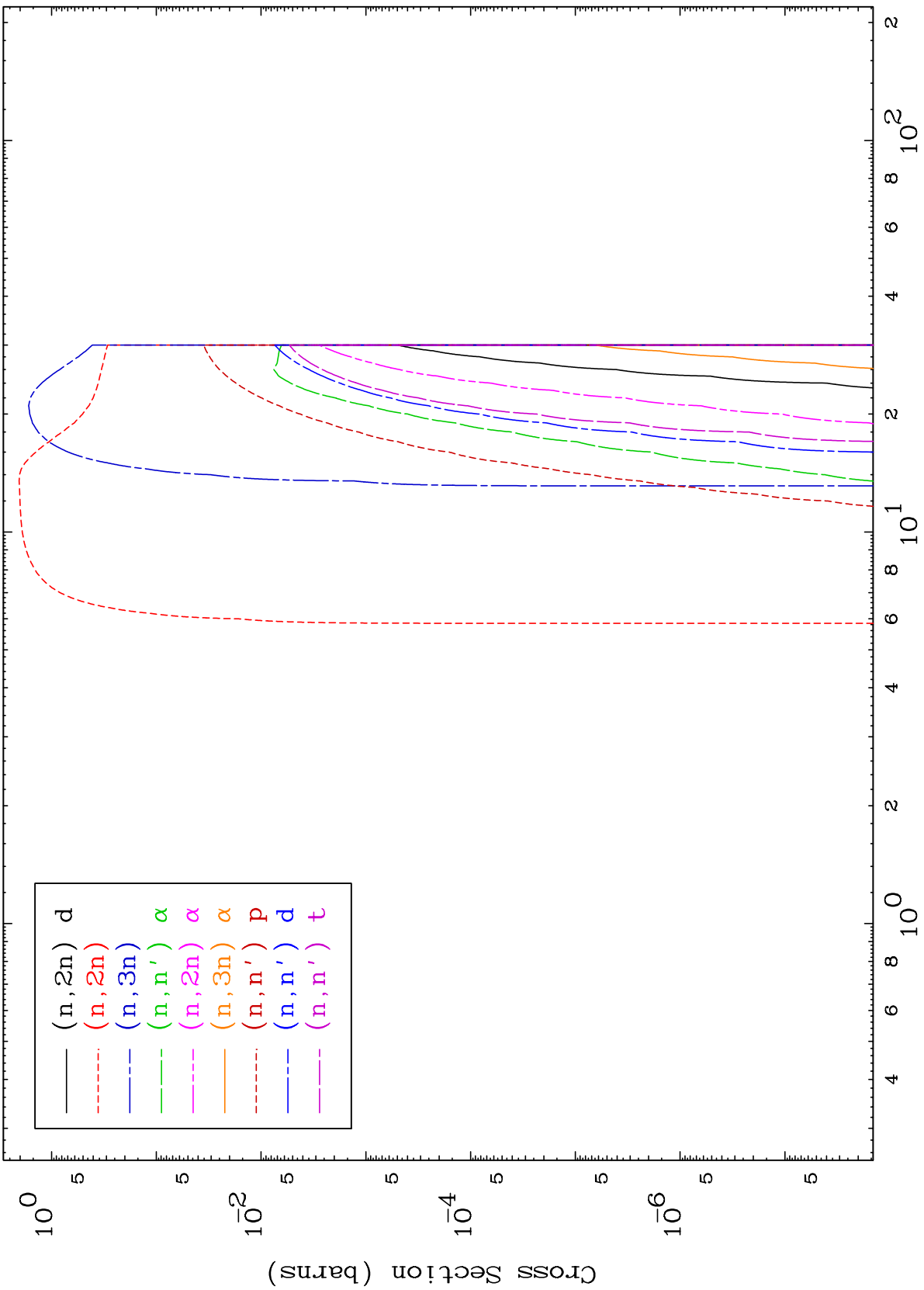
Press Mouse Button to Start

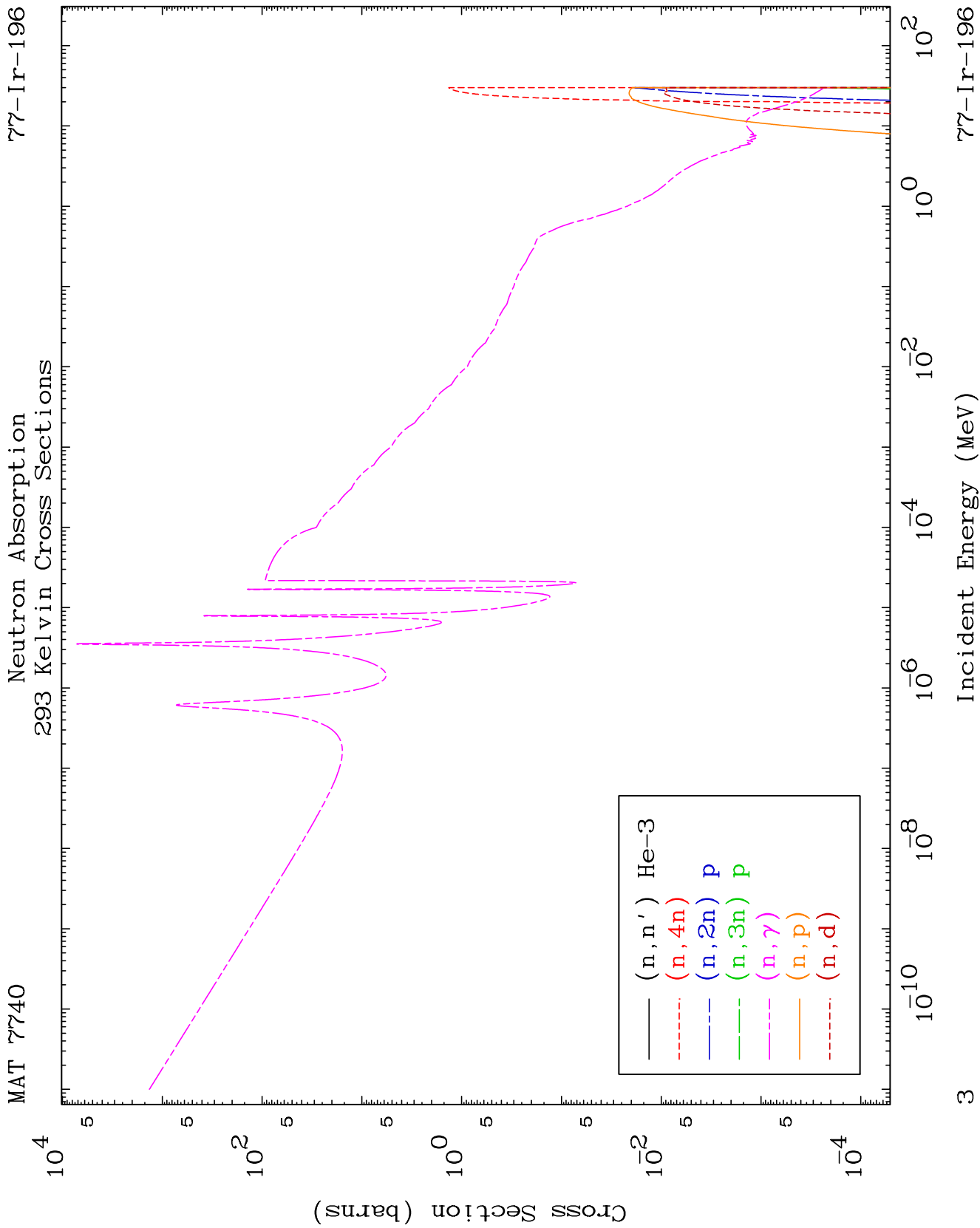
MAT 7740

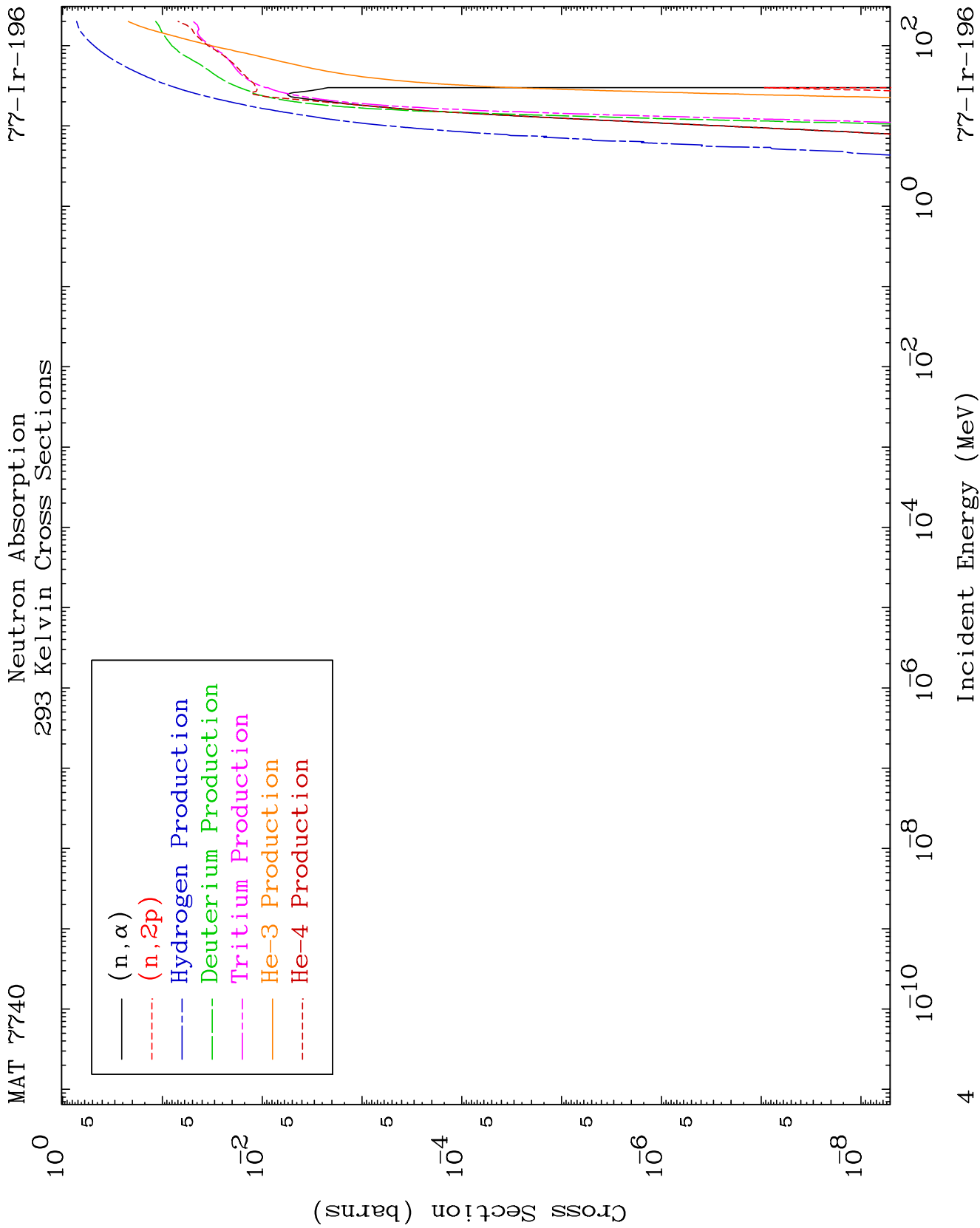
Neutron Major  
293 Kelvin Cross Sections

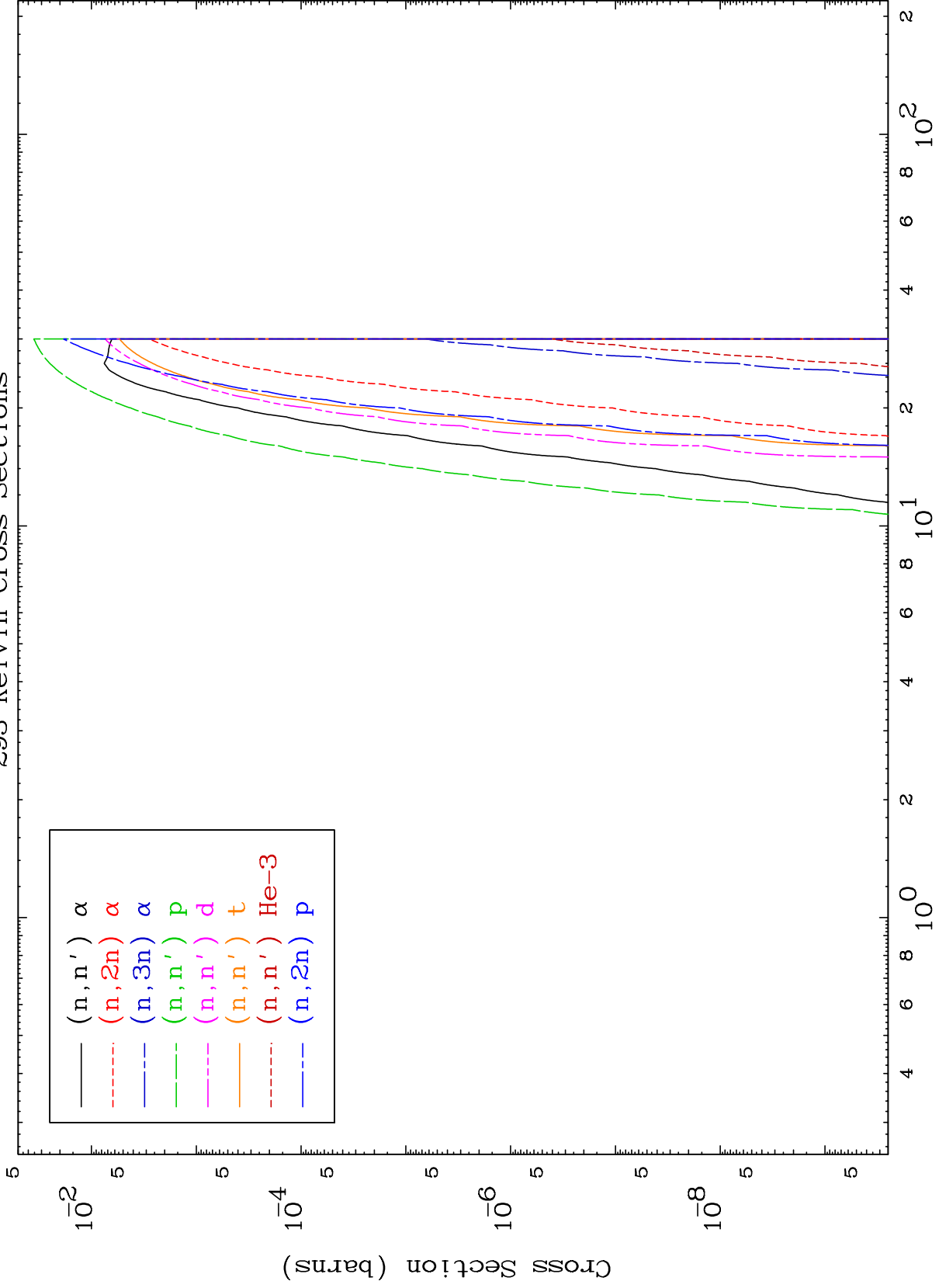
77-Ir-196







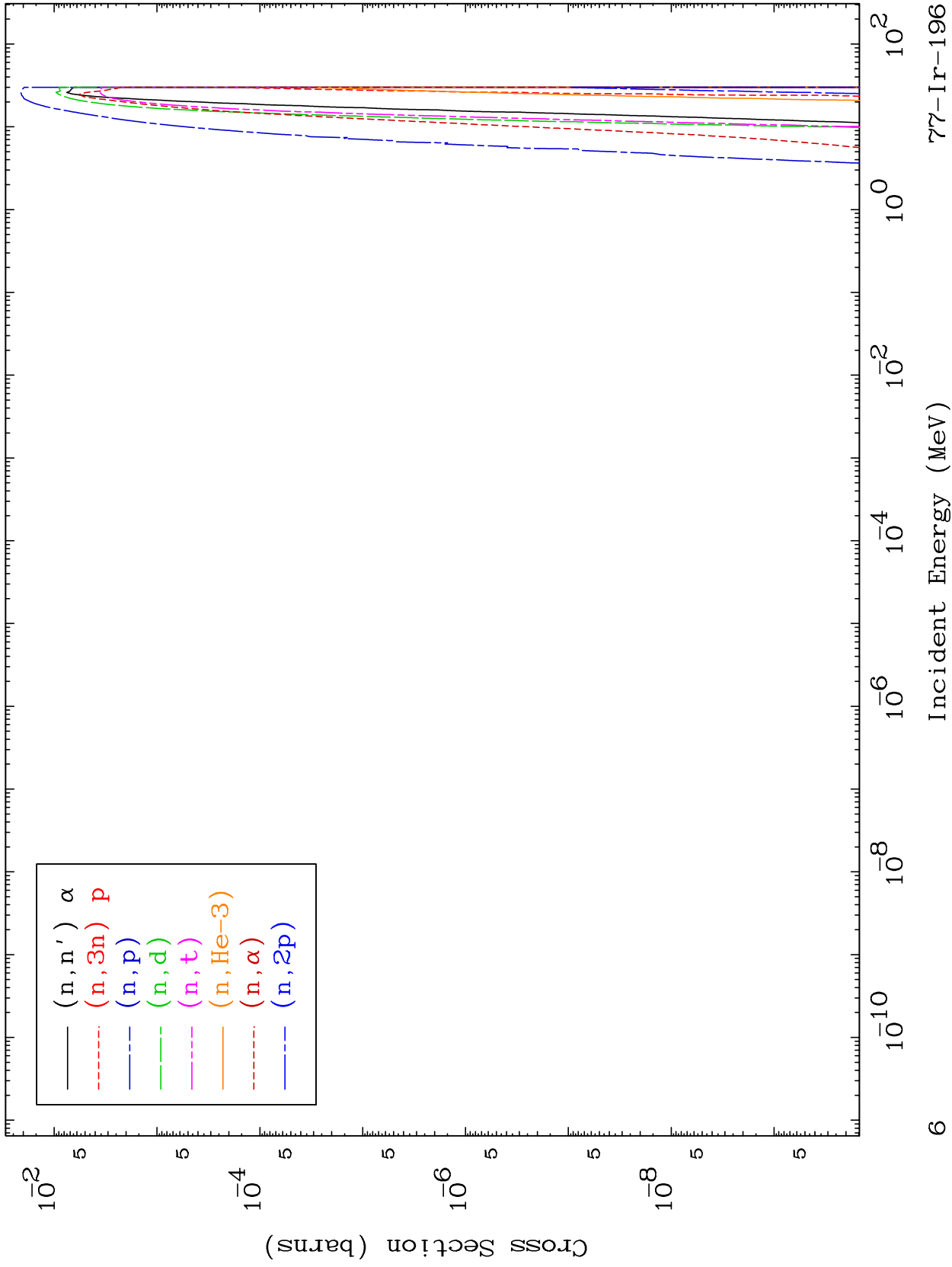




MAT 7740

Charged Particle  
293 Kelvin Cross Sections

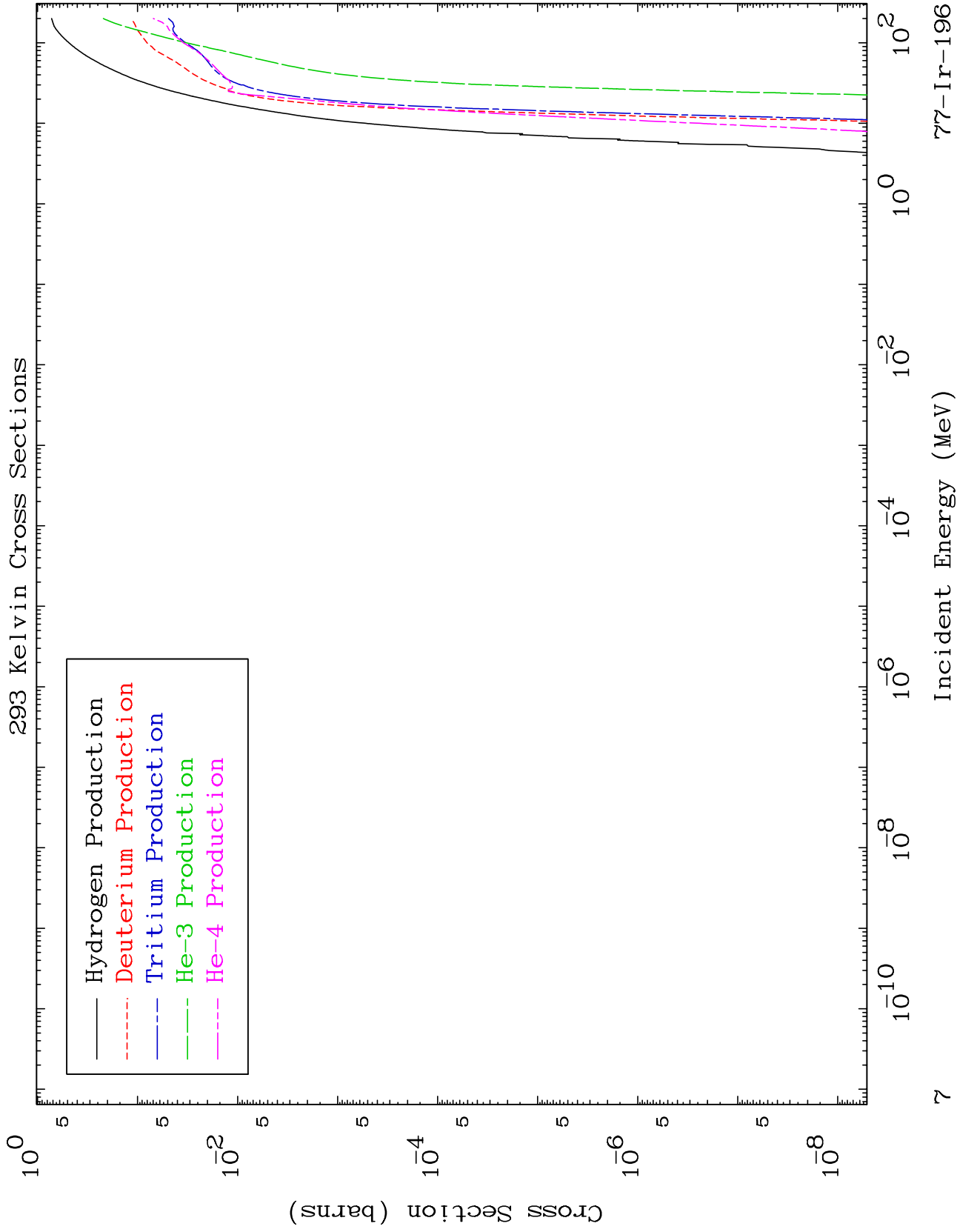
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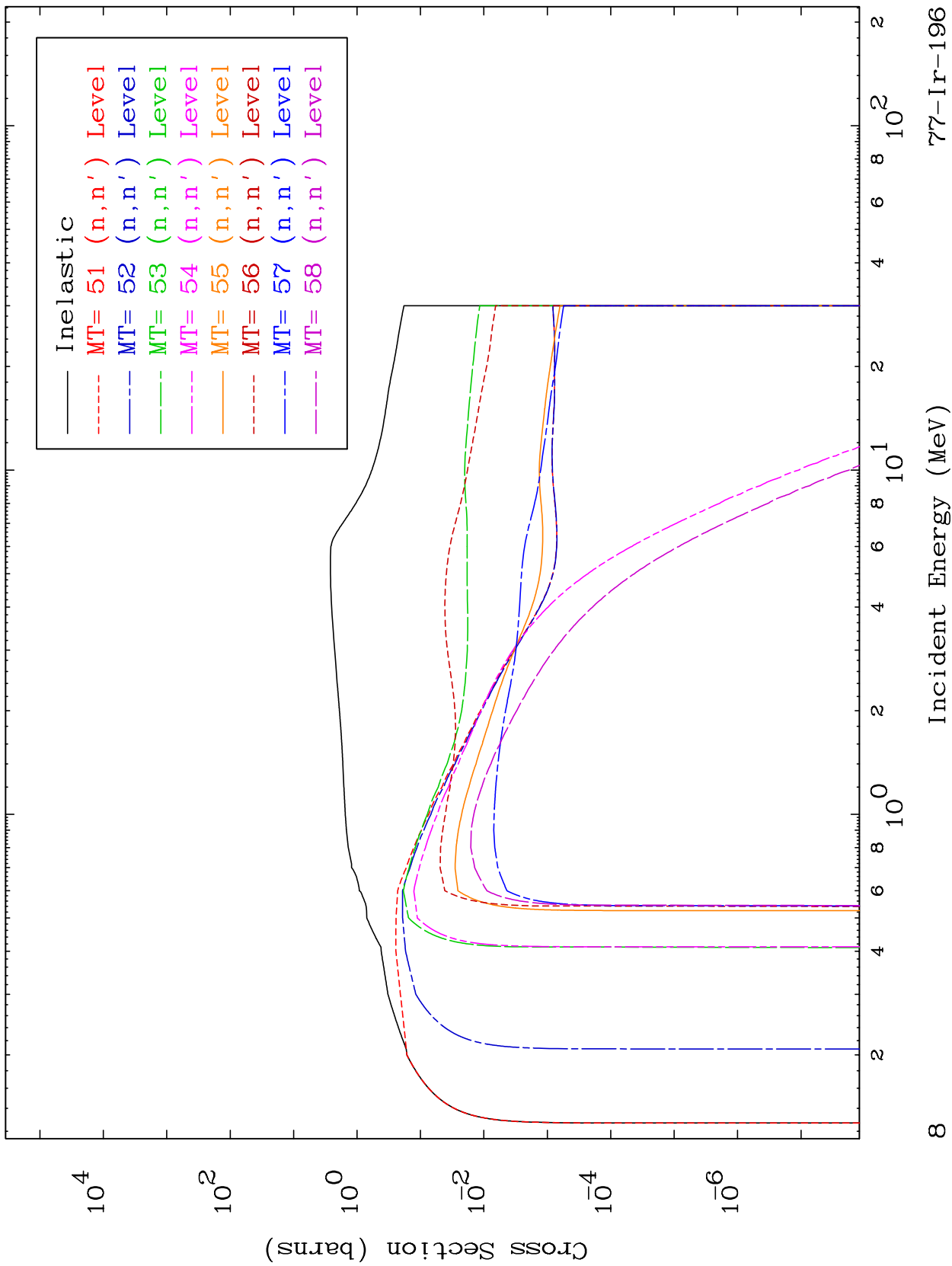
MAT 7740

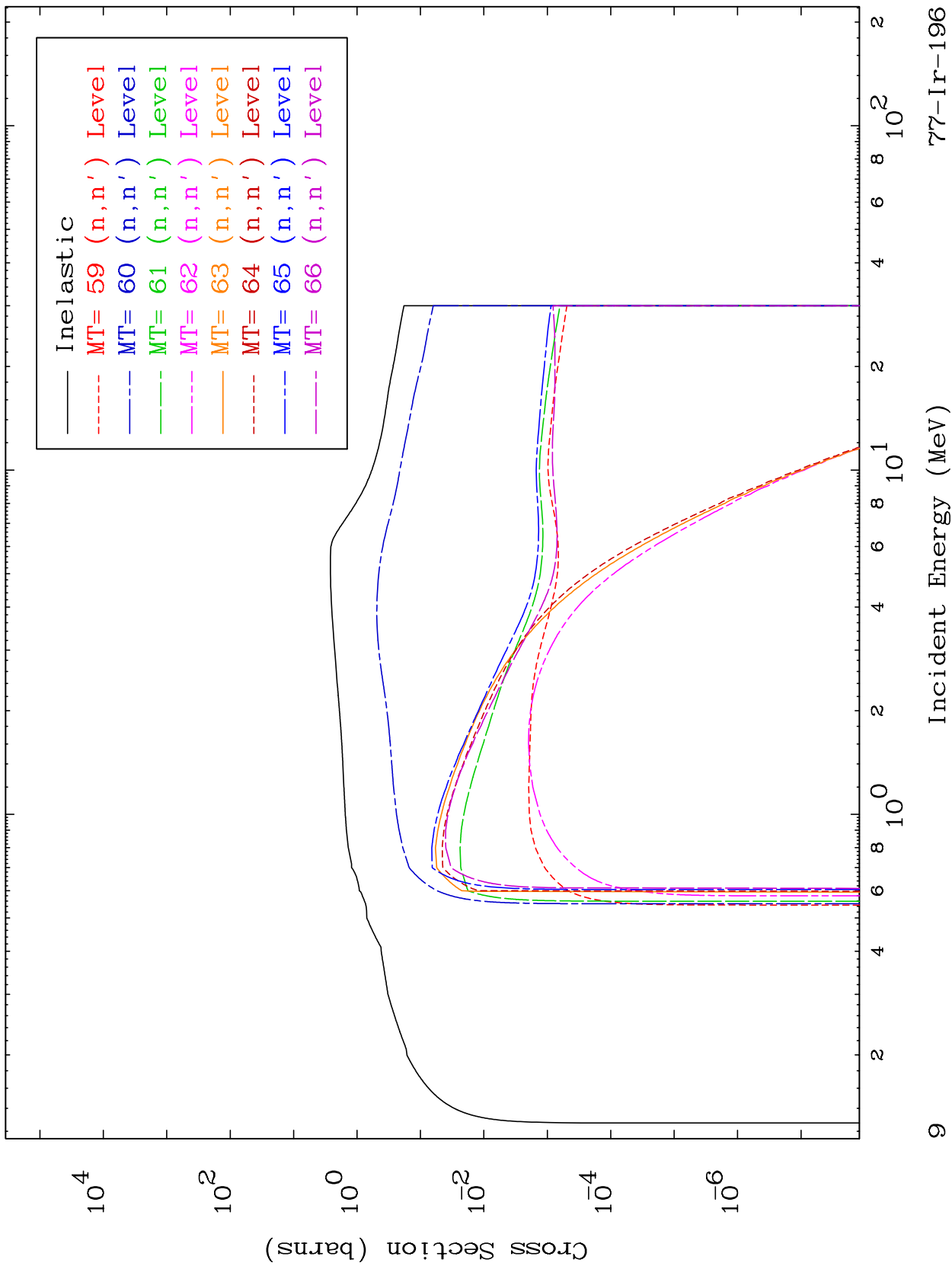
Particle Production  
293 Kelvin Cross Sections

<sup>77</sup>Ir-196





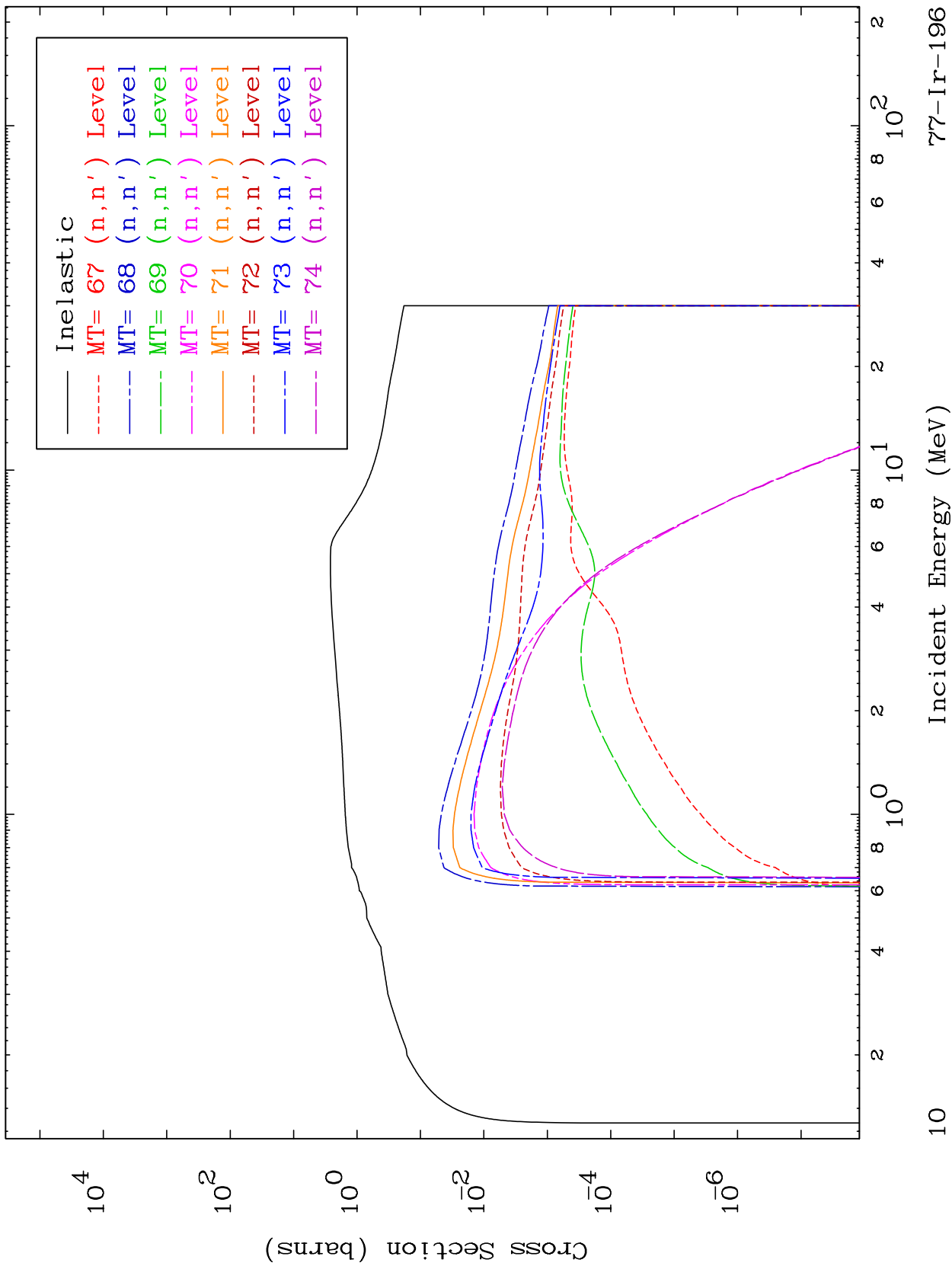




MAT 7740

(n,n') Levels  
293 Kelvin Cross Sections

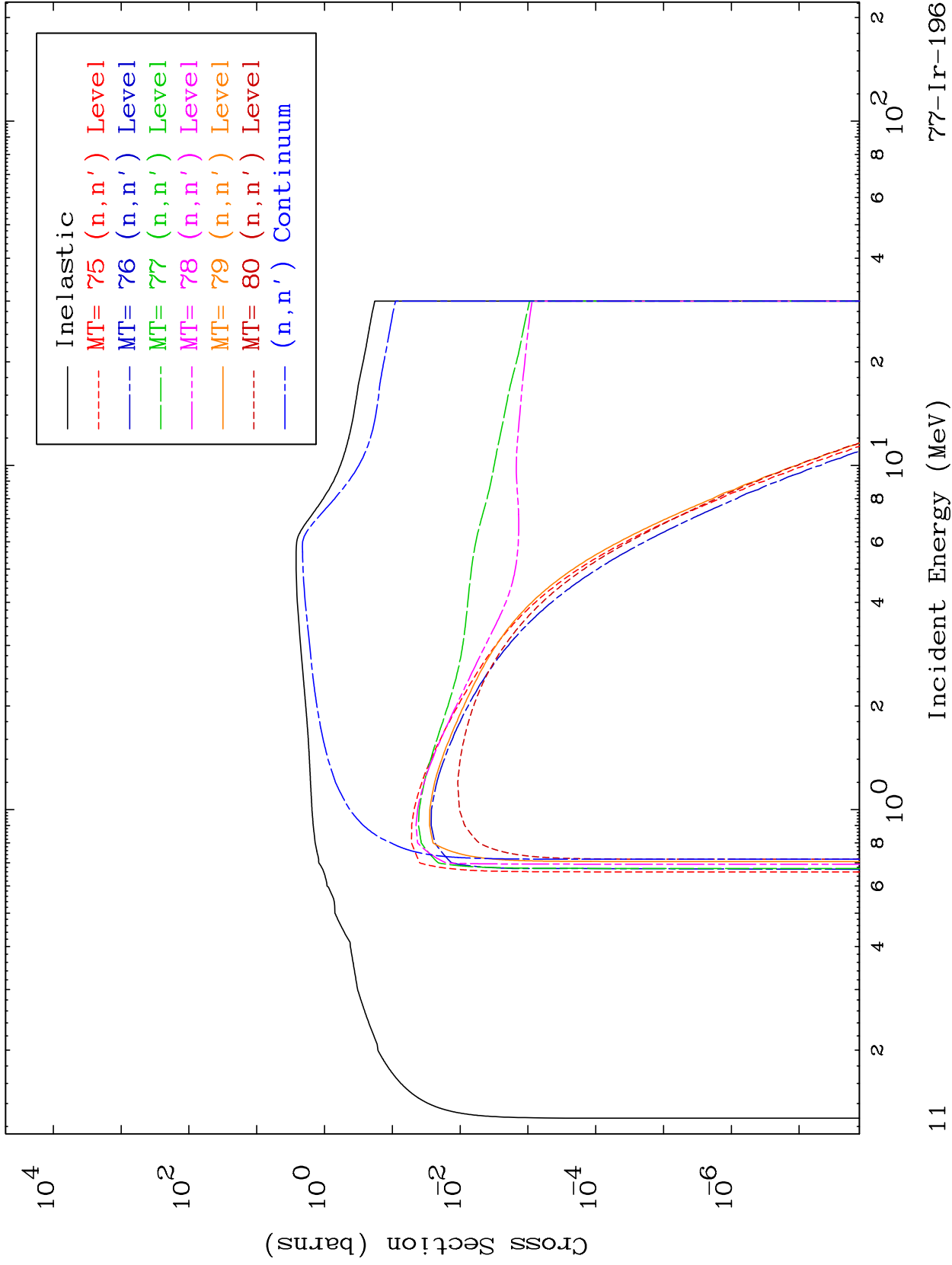
77-Ir-196



10

Incident Energy (MeV)

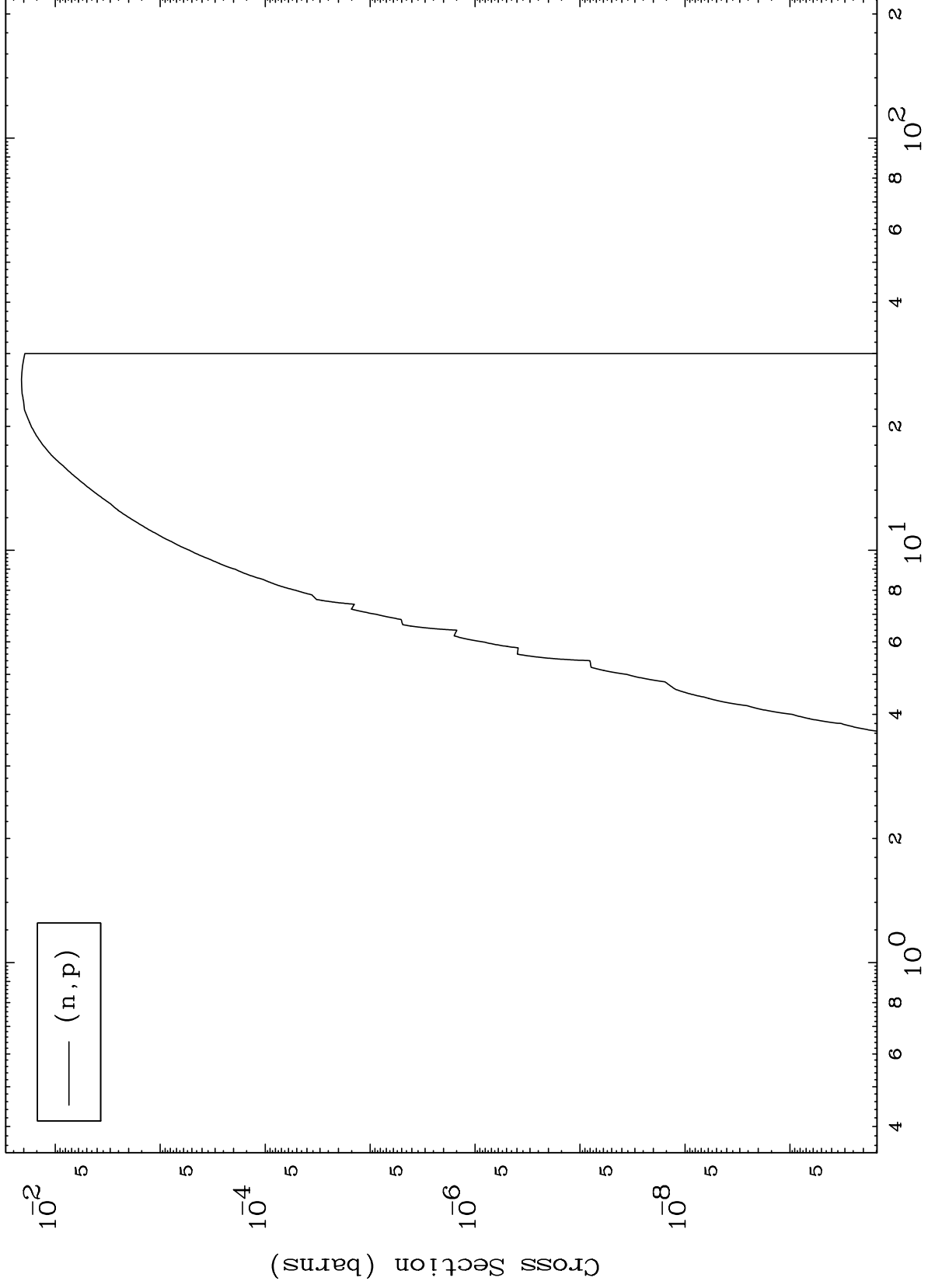
77-Ir-196



MAT 7740

(n,p) Levels  
293 Kelvin Cross Sections

77-Ir-196



12

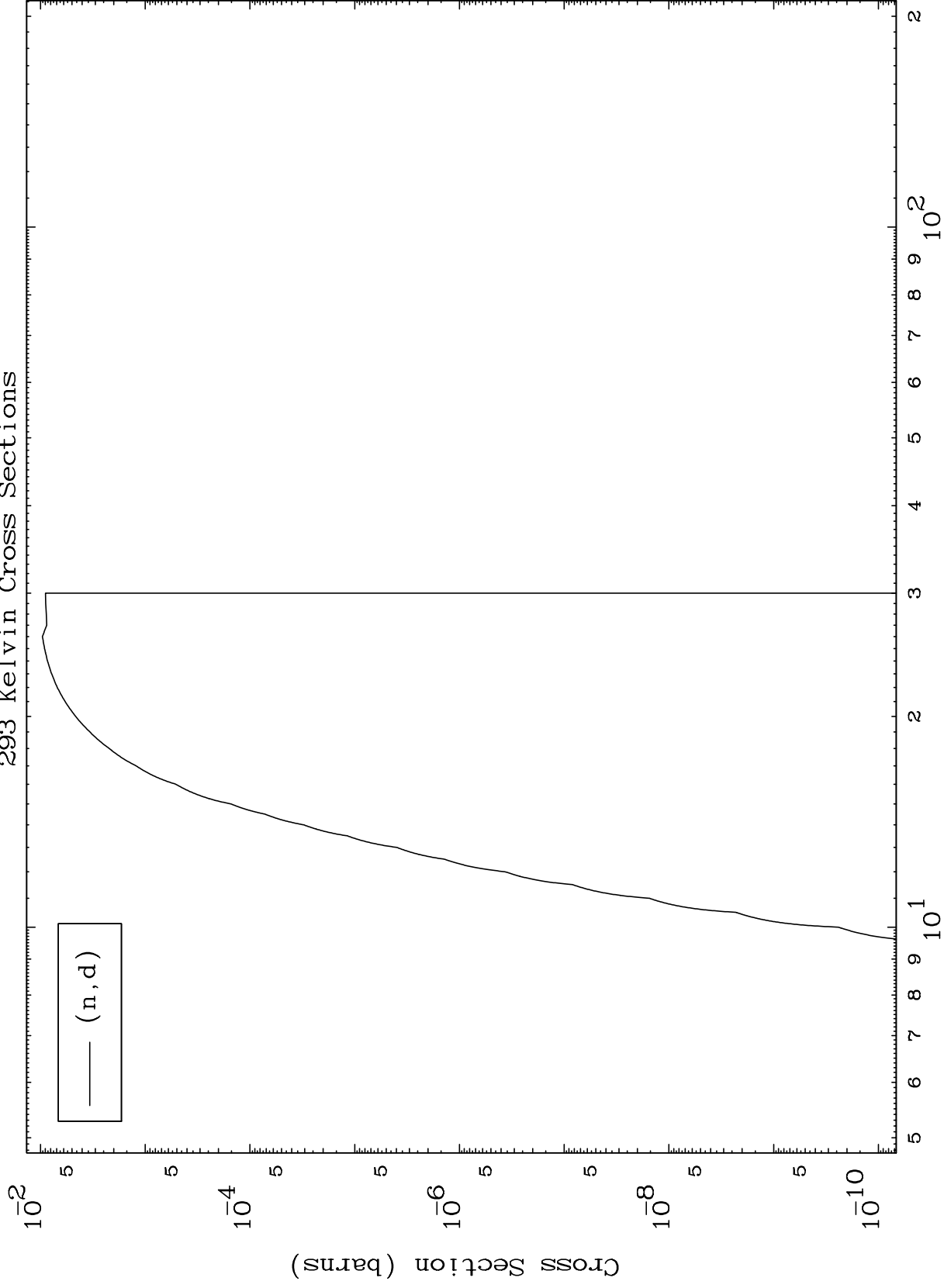
Incident Energy (MeV)

77-Ir-196

MAT 7740

(n,d) Levels  
293 Kelvin Cross Sections

77-Ir-196



13

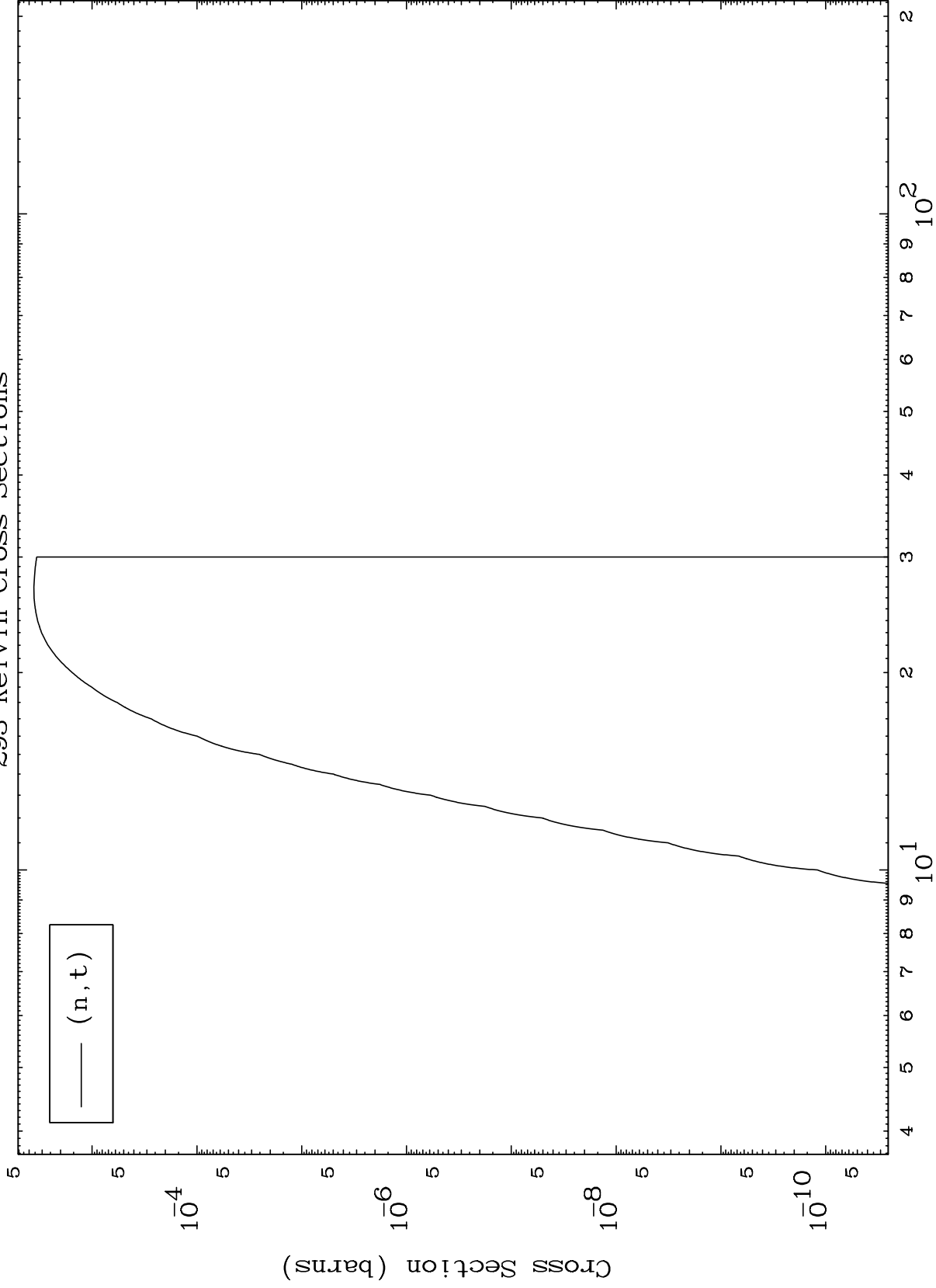
Incident Energy (MeV)

77-Ir-196

MAT 7740

(n,t) Levels  
293 Kelvin Cross Sections

77-Ir-196



14

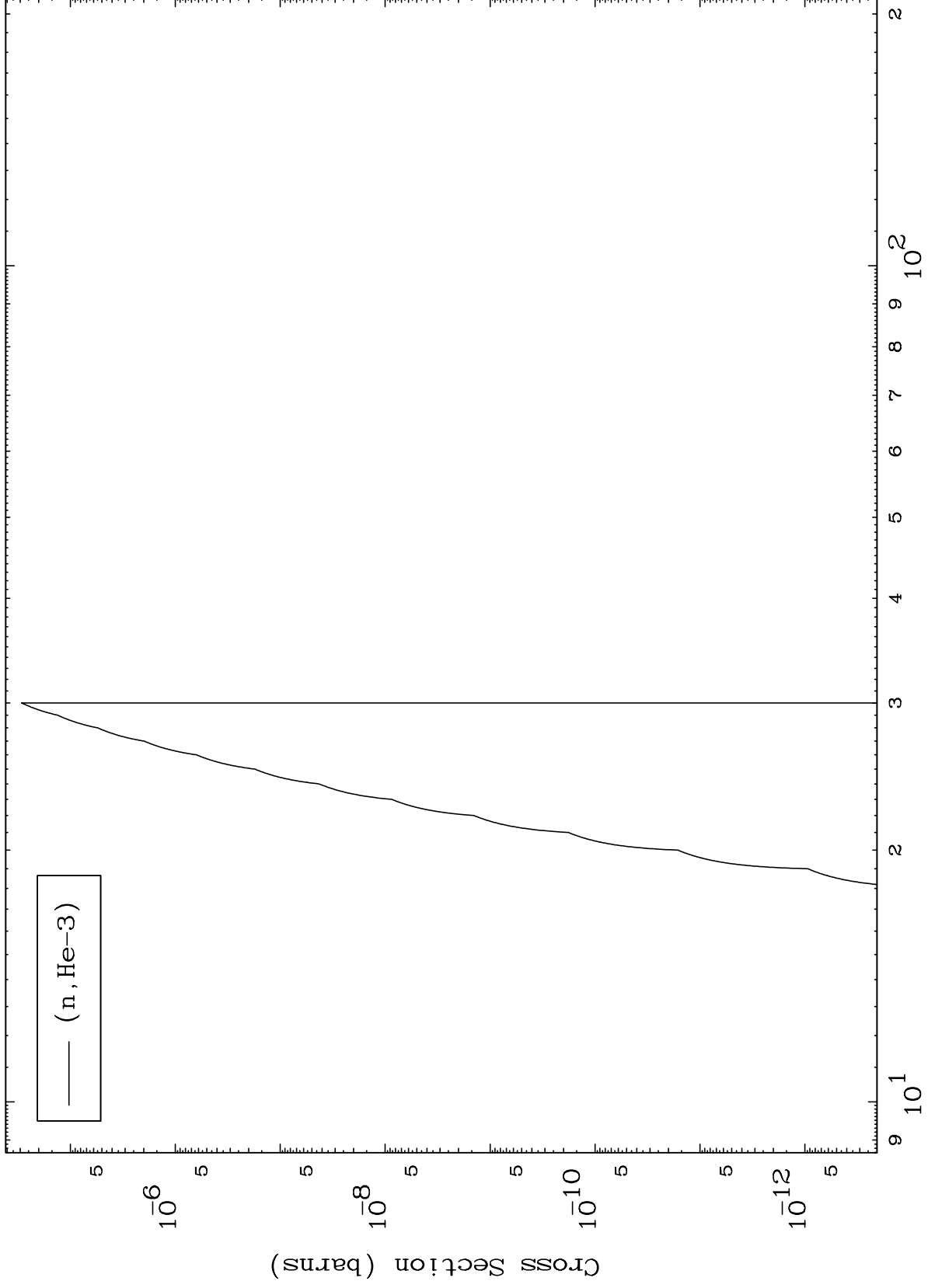
Incident Energy (MeV)

77-Ir-196

MAT 7740

(n,He3) Levels  
293 Kelvin Cross Sections

77-Ir-196



15

Incident Energy (MeV)

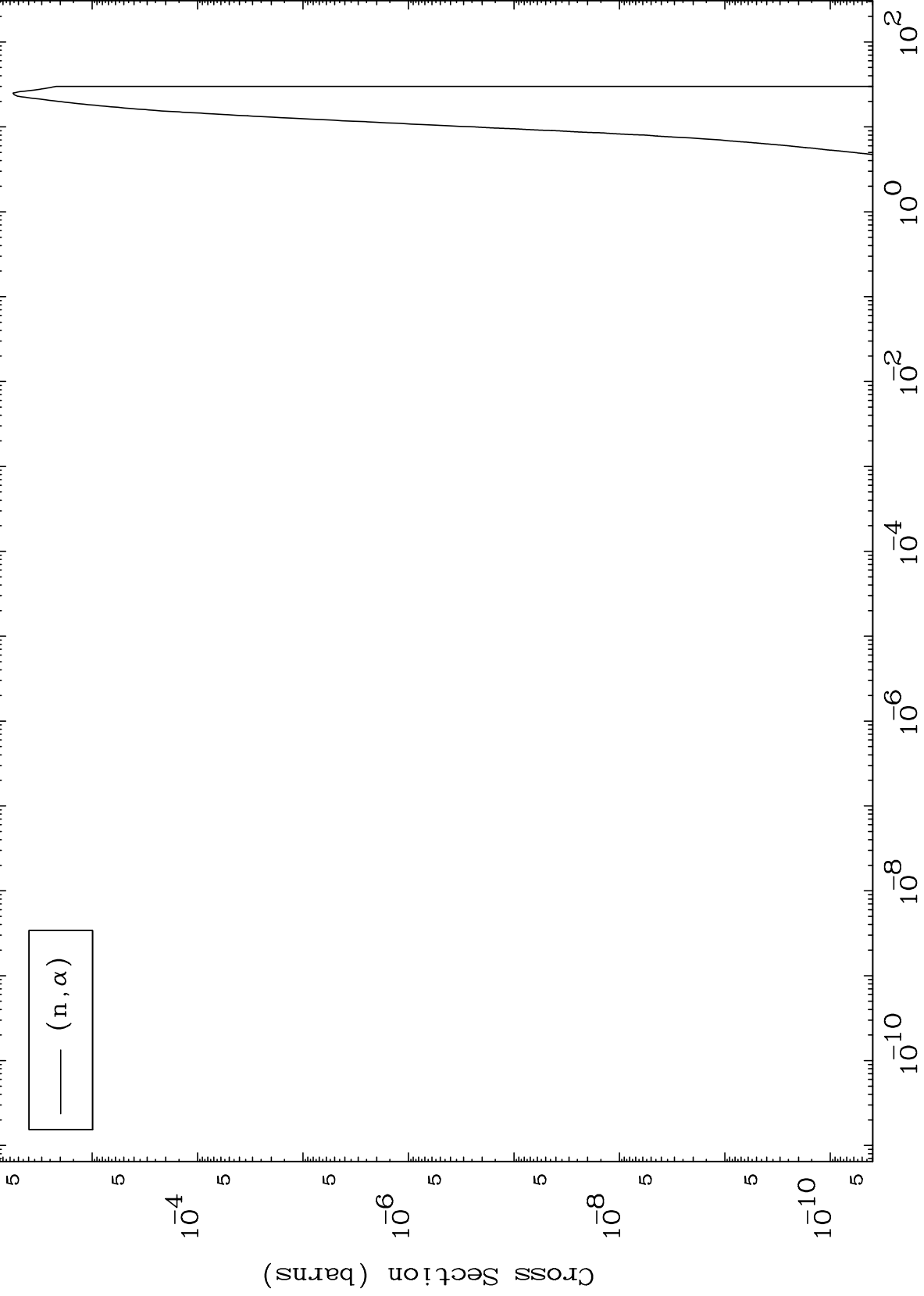
77-Ir-196



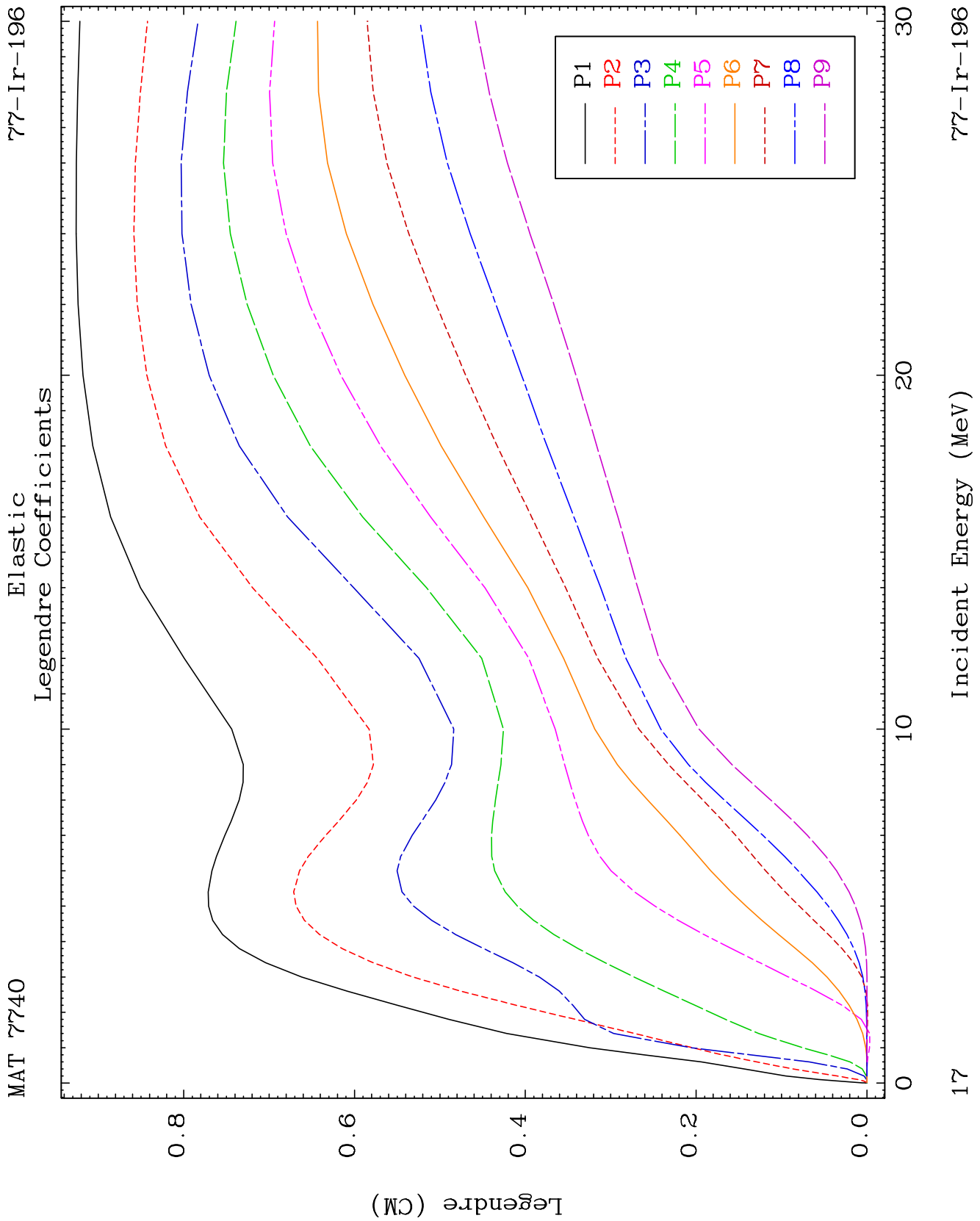
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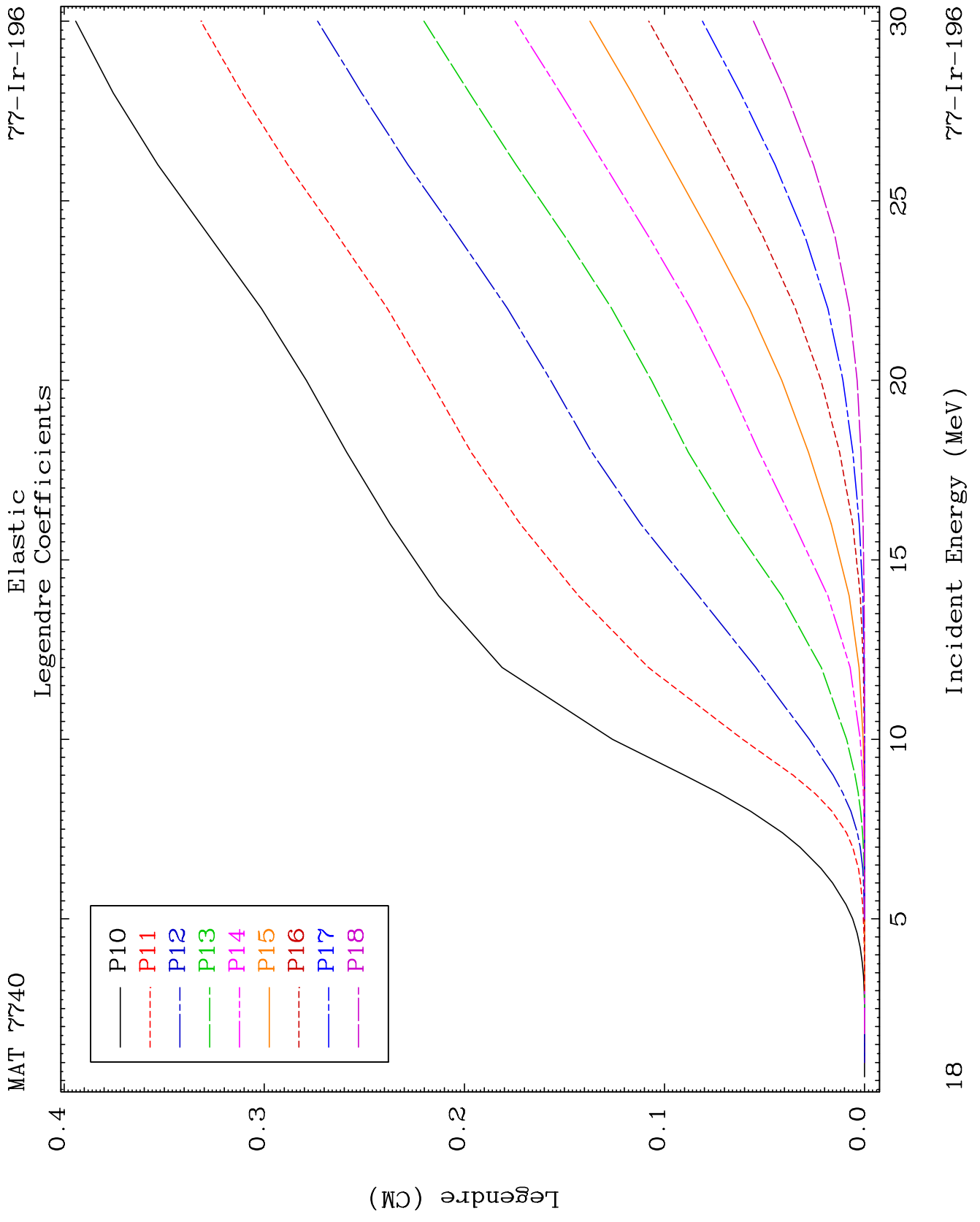
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

77-Ir-196



(n,  $\alpha$ )

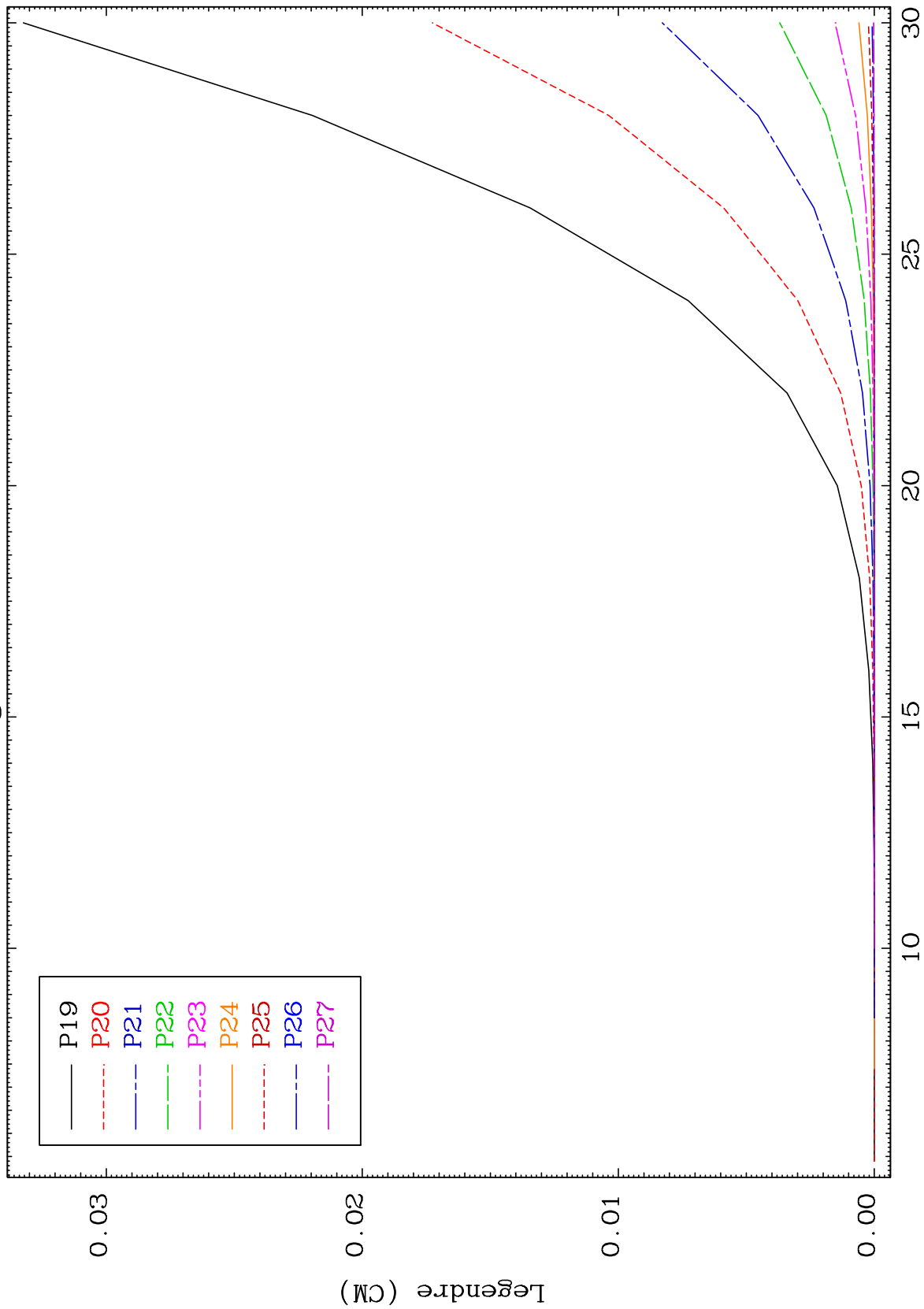




MAT 7740

### Elastic Legendre Coefficients

77-Ir-196



19

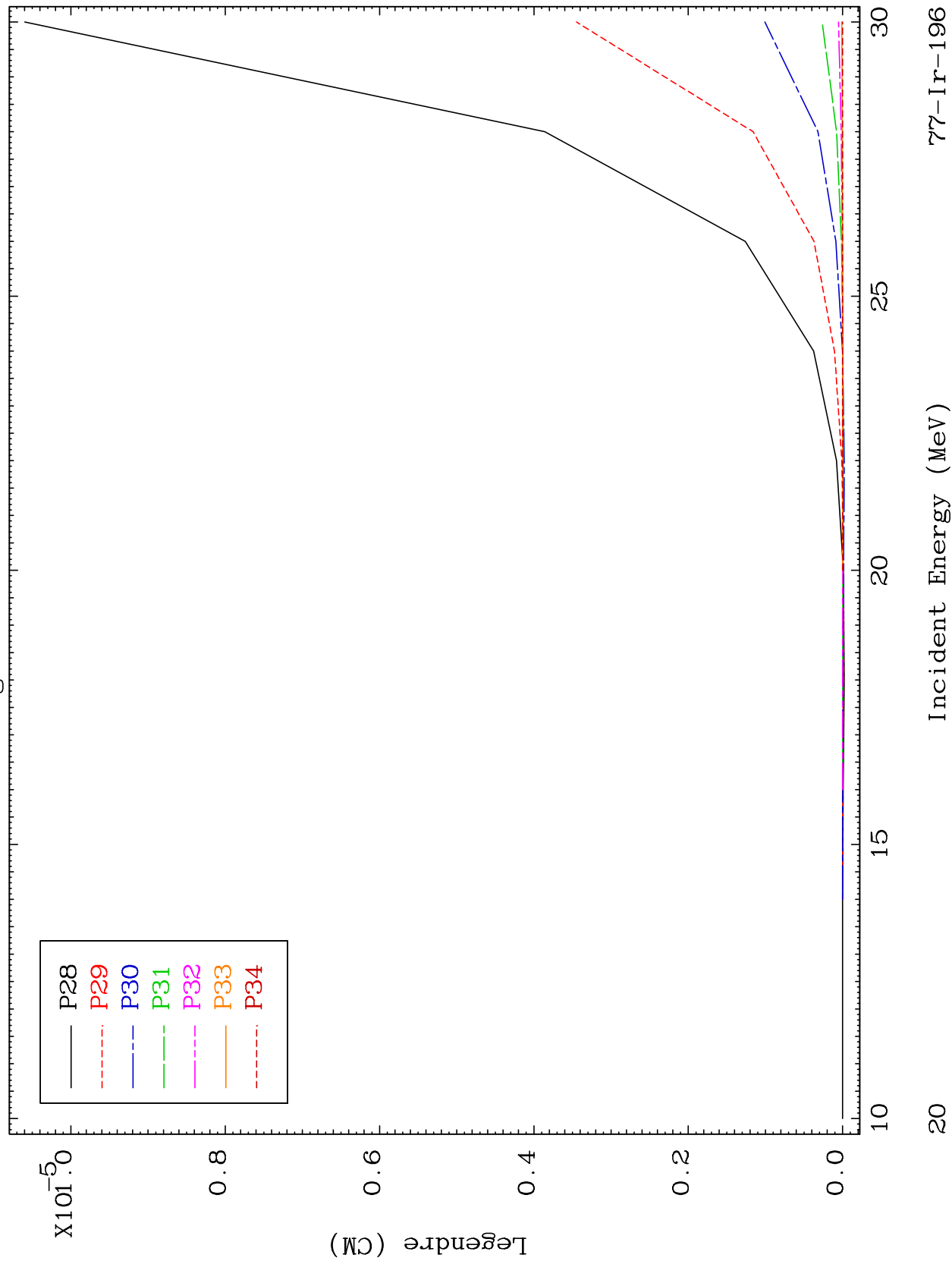
Incident Energy (MeV)

77-Ir-196

MAT 7740

Elastic Legendre Coefficients

77-Ir-196



77-Ir-196

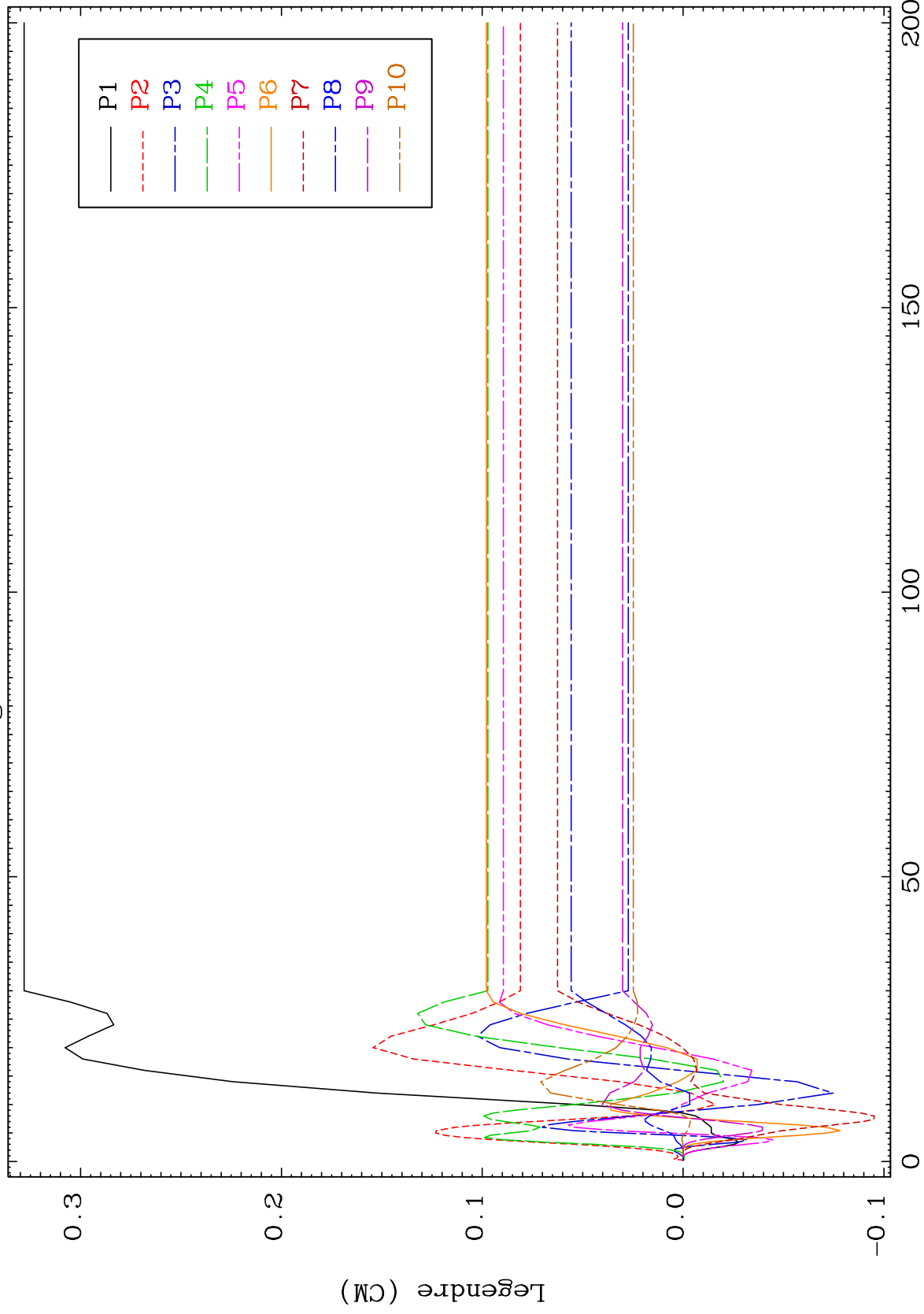
Incident Energy (MeV)

20

MAT 7740

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

77-Ir-196



21

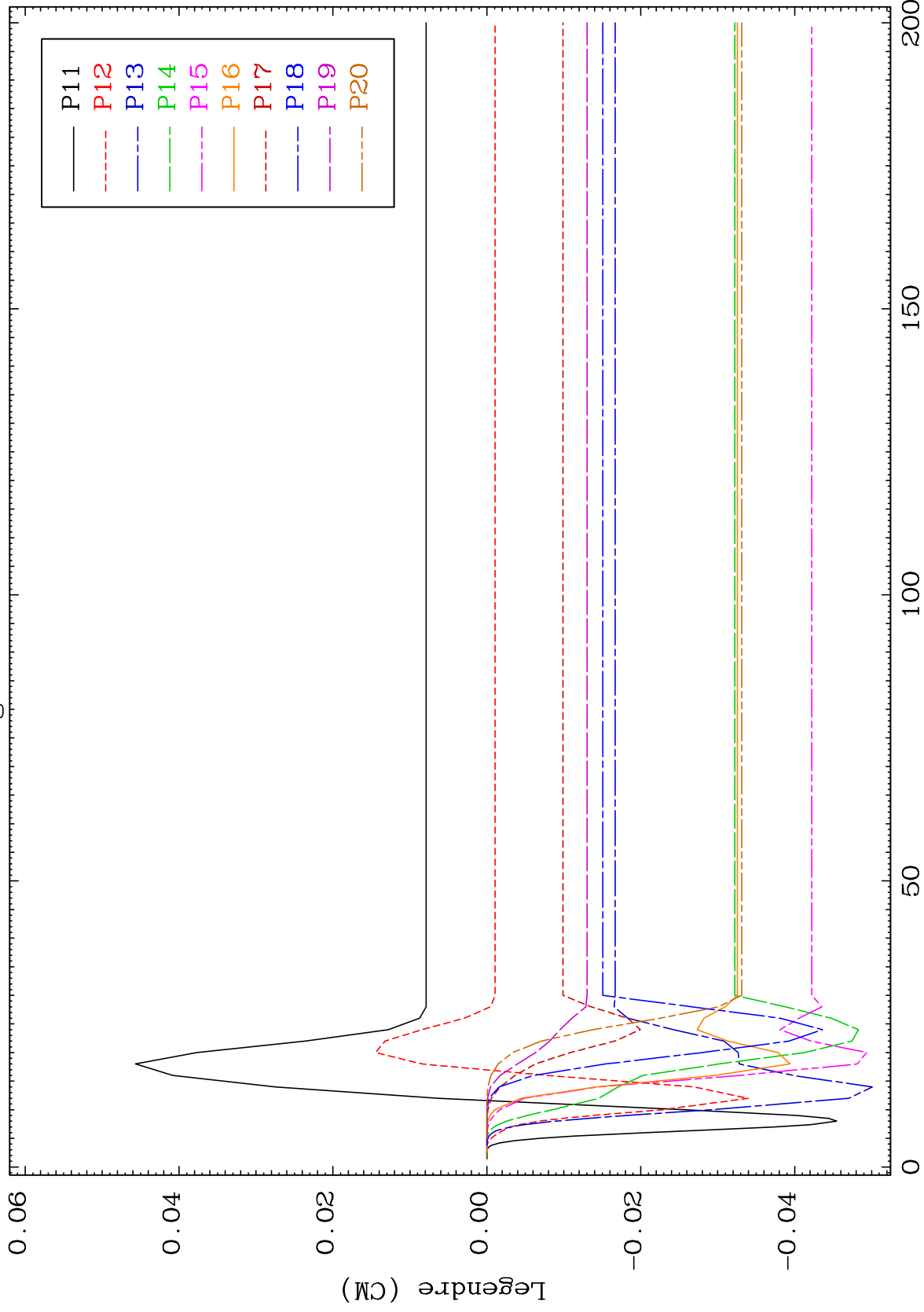
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



22

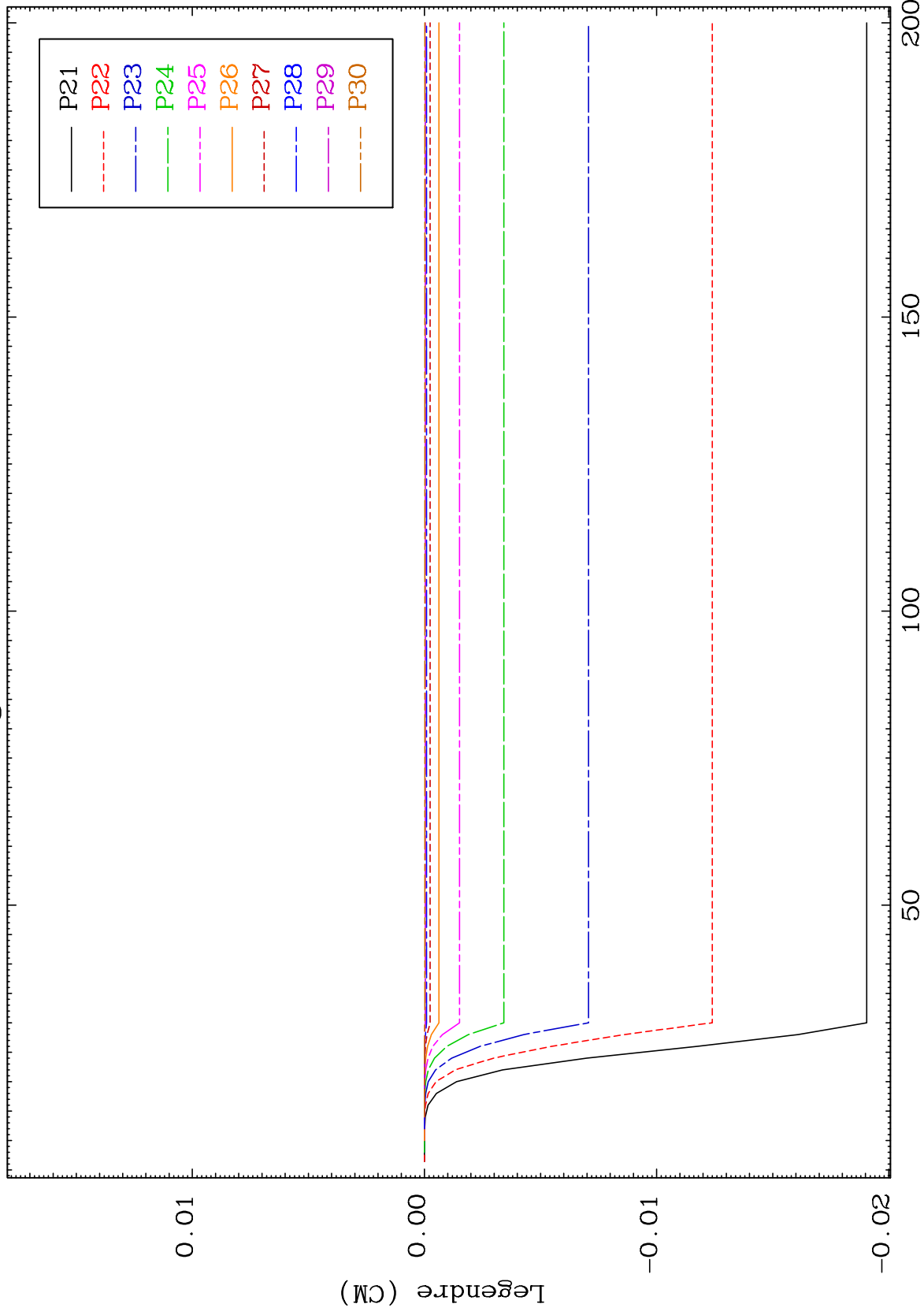
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196

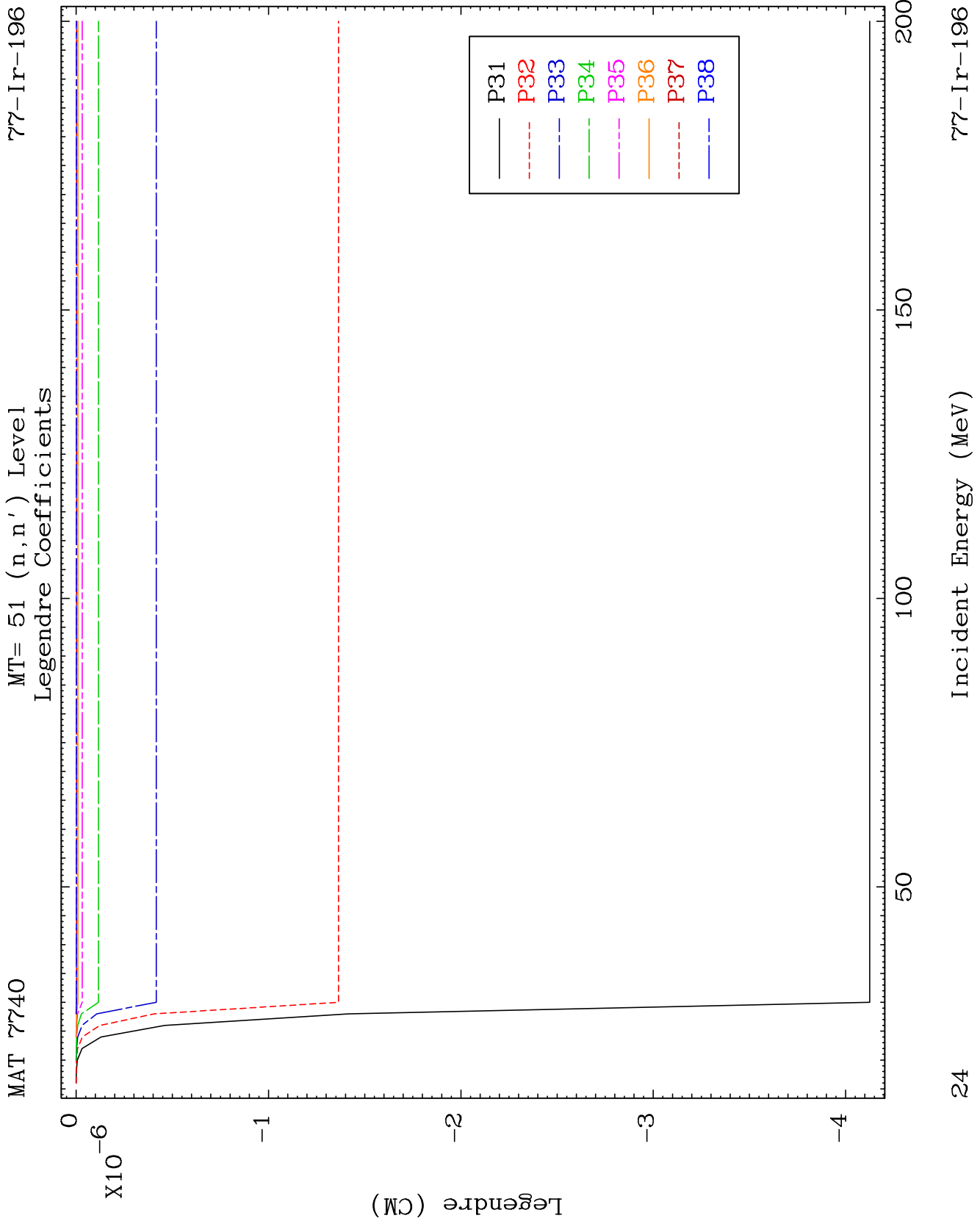


23

Incident Energy (MeV)

77-Ir-196

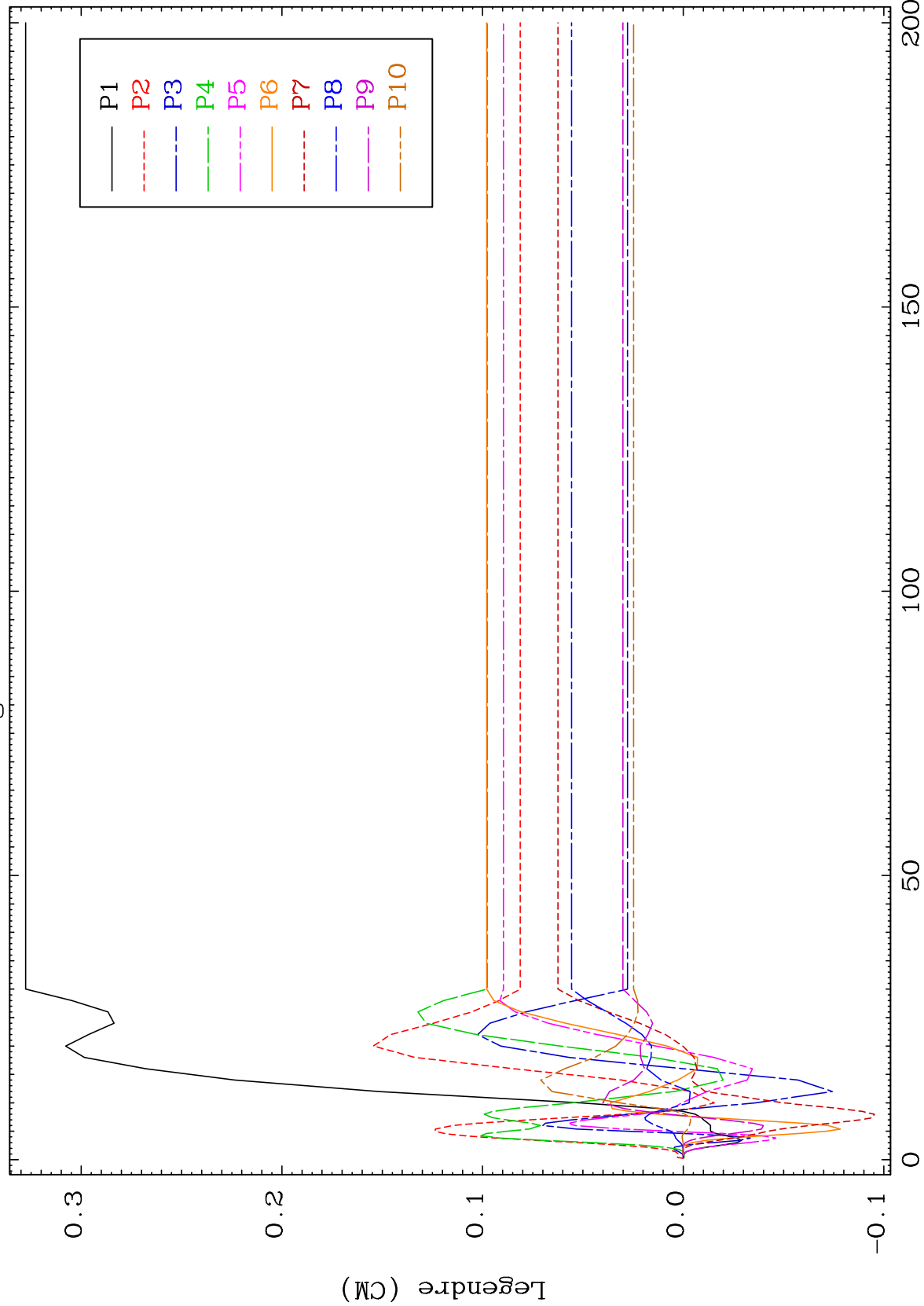




MAT 7740

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

77-Ir-196



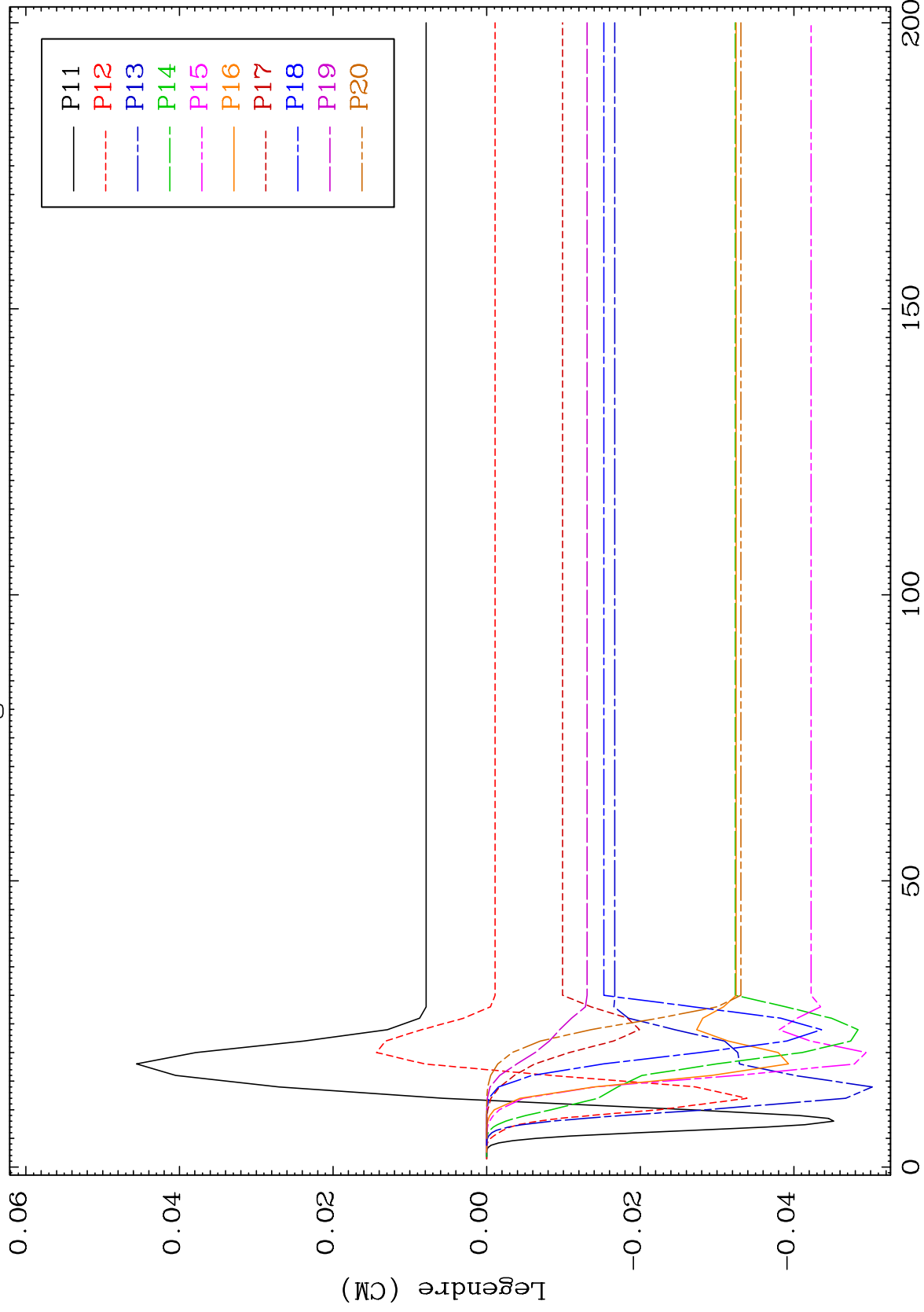
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



26

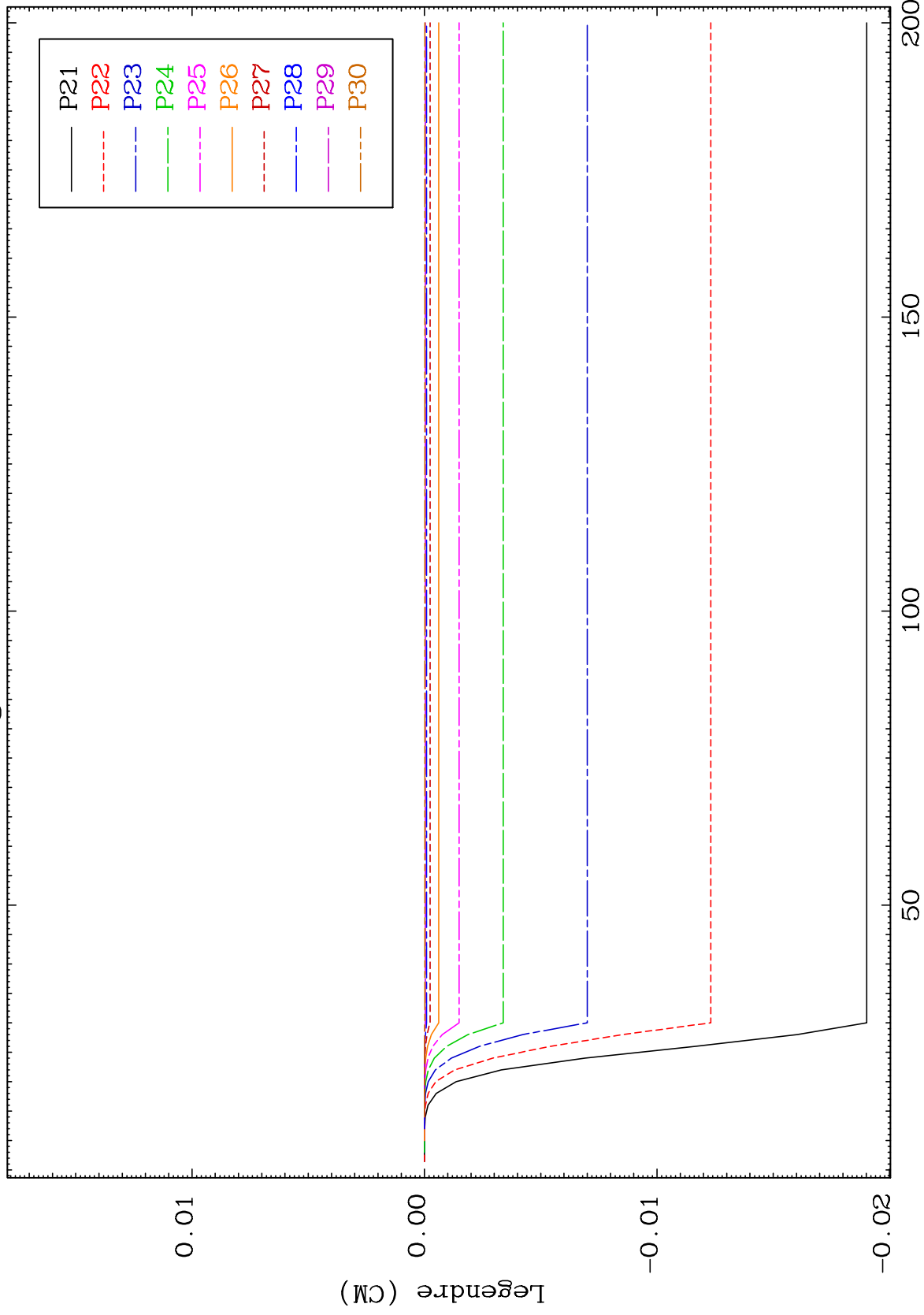
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

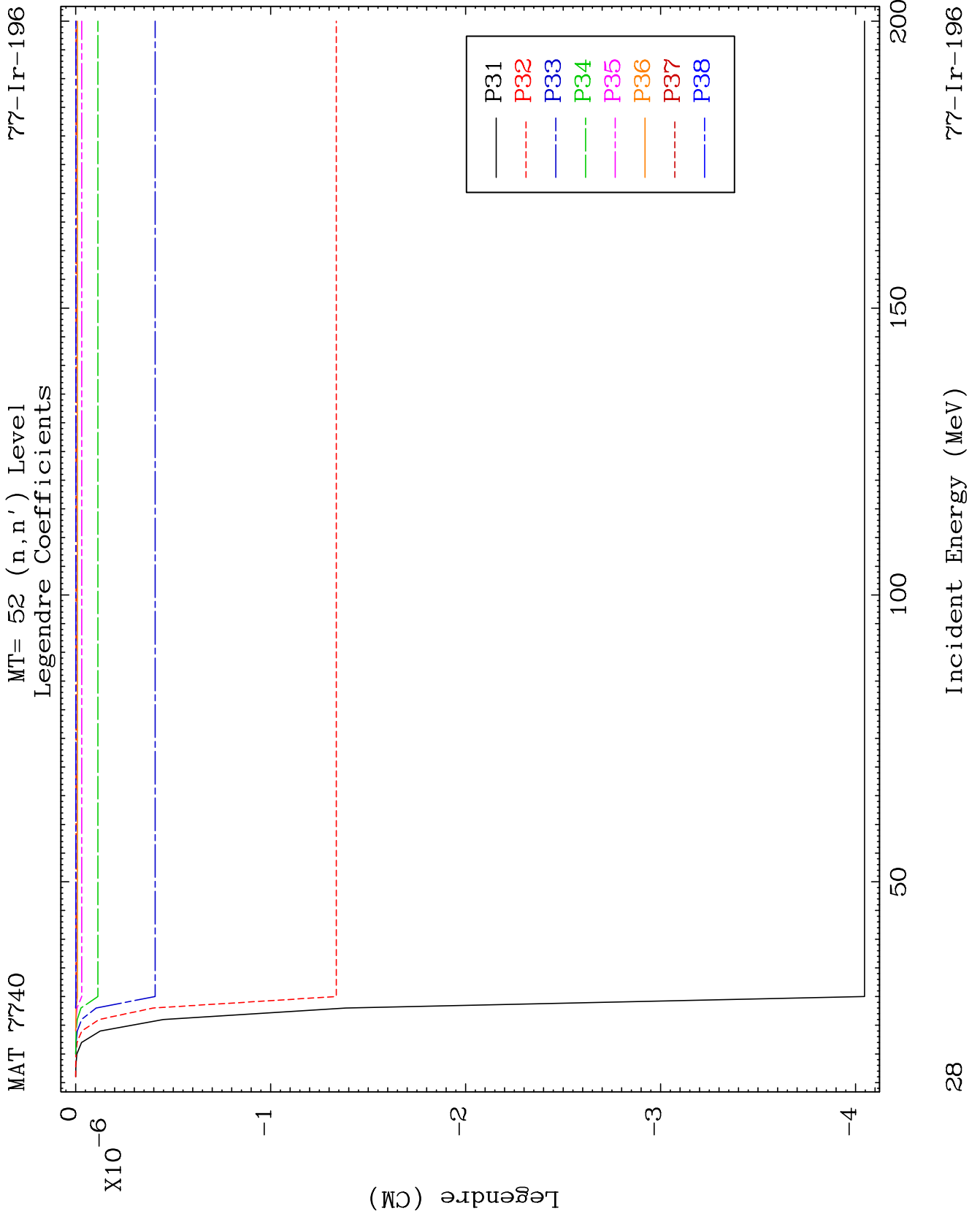
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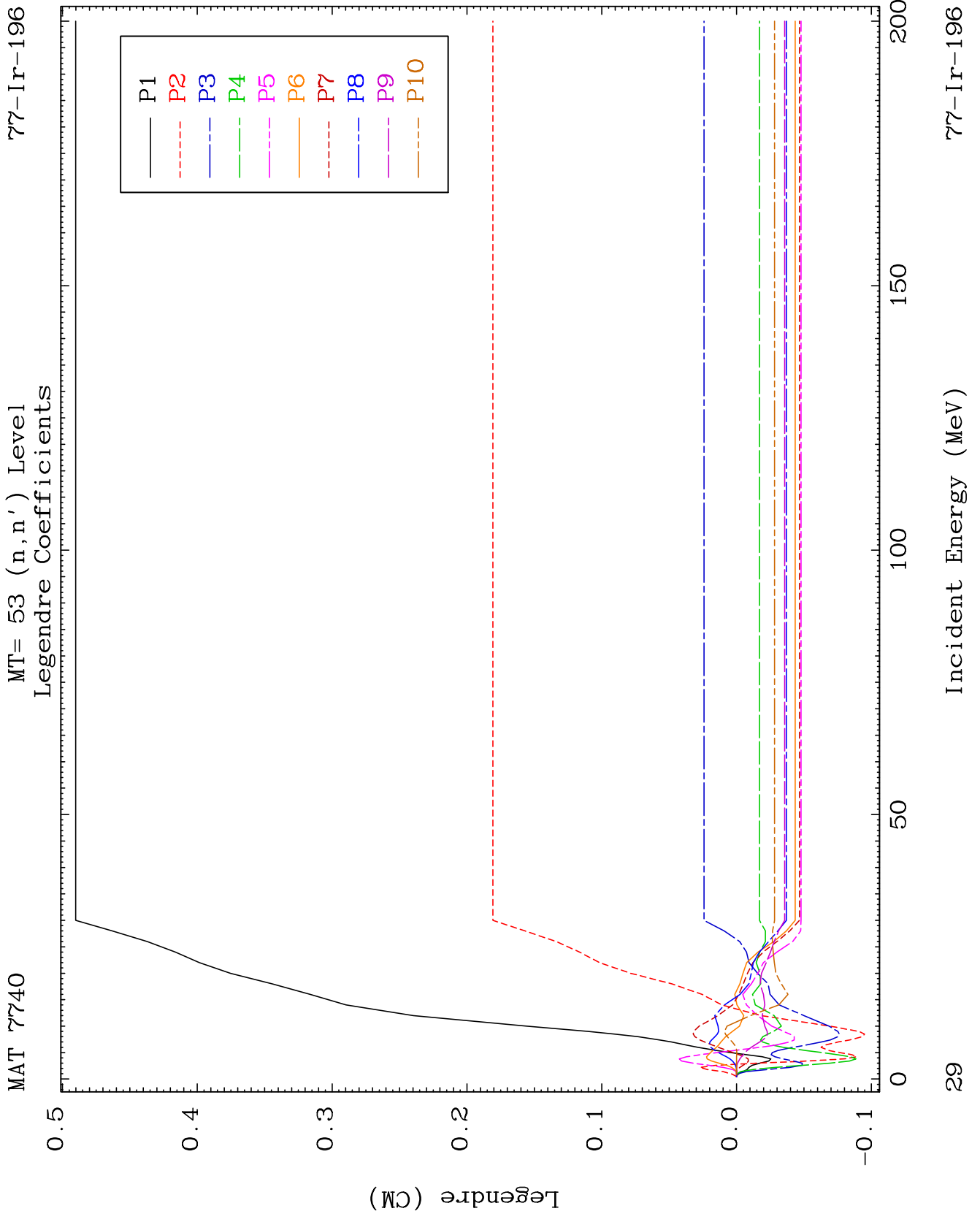


27

Incident Energy (MeV)

77-Ir-196

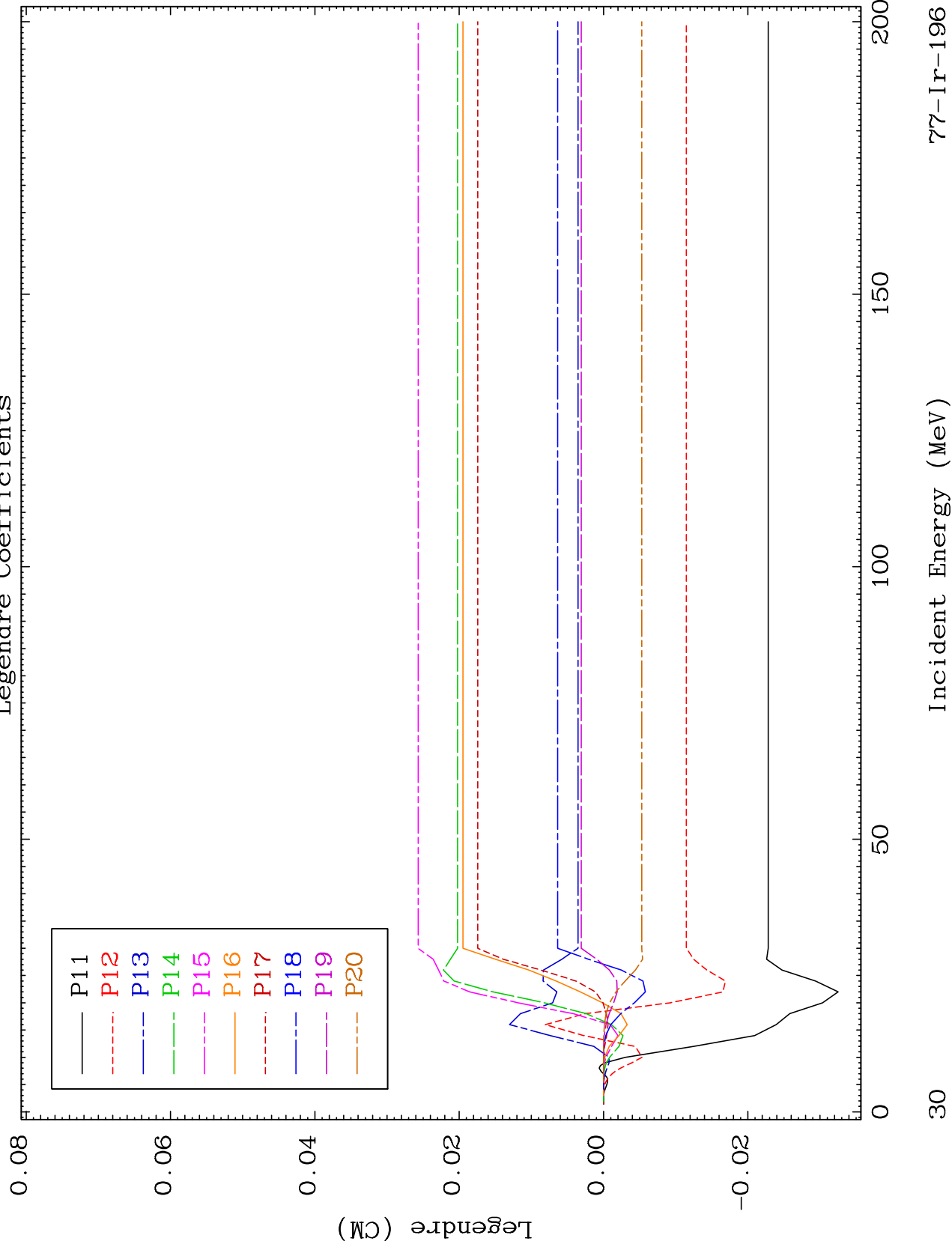




MAT 7740

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

77-Ir-196



77-Ir-196

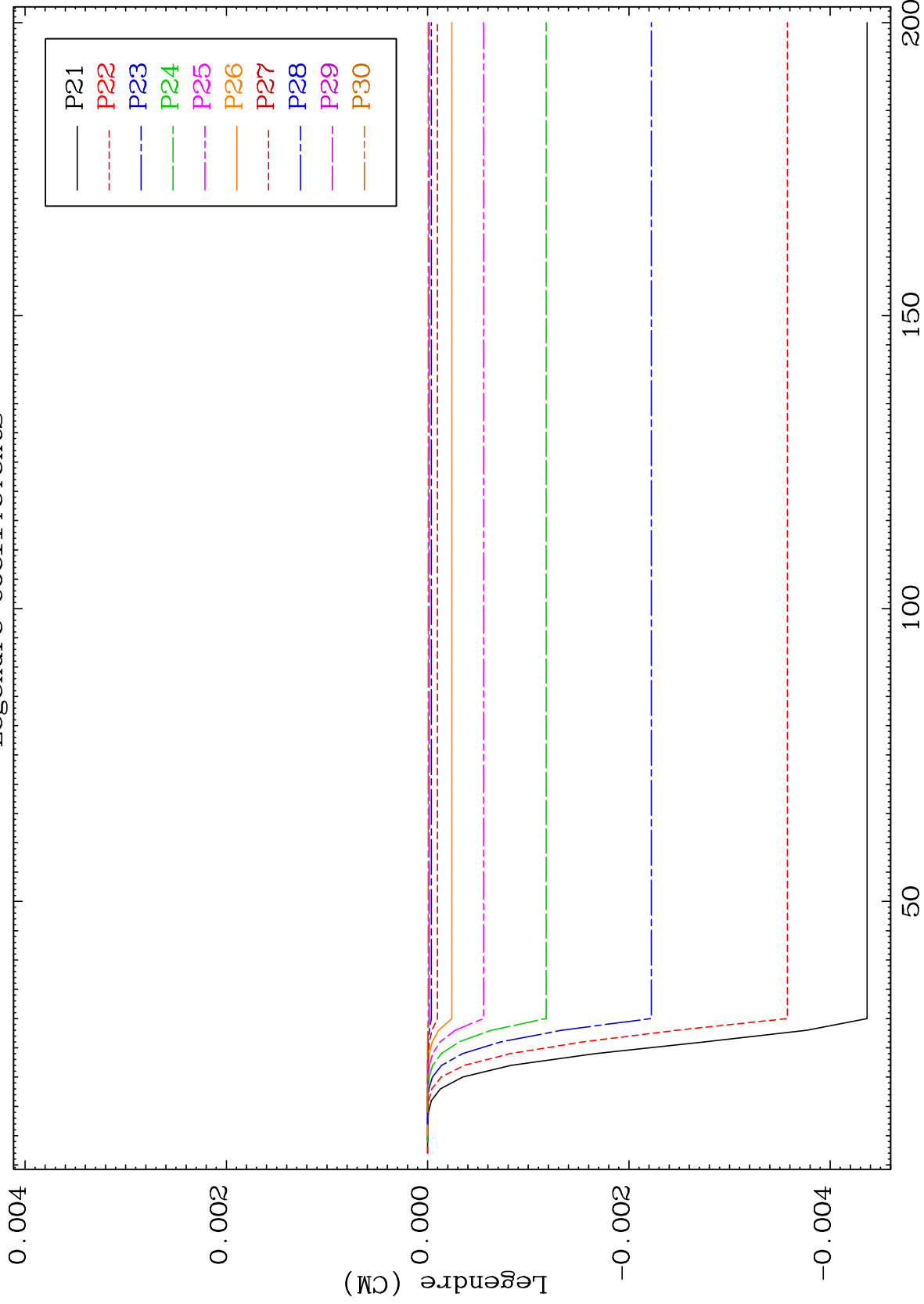
Incident Energy (MeV)

30

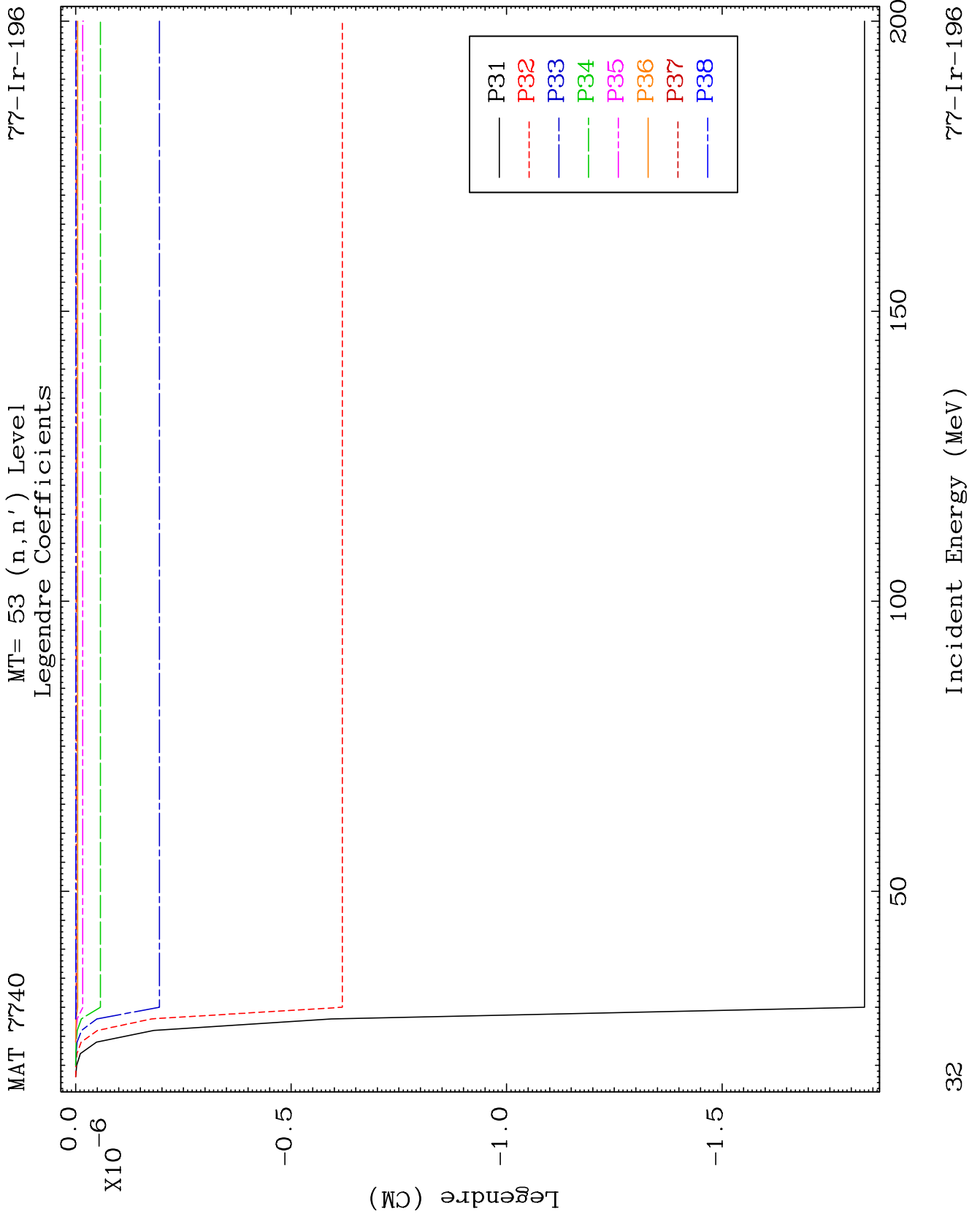
MAT 7740

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

77-Ir-196



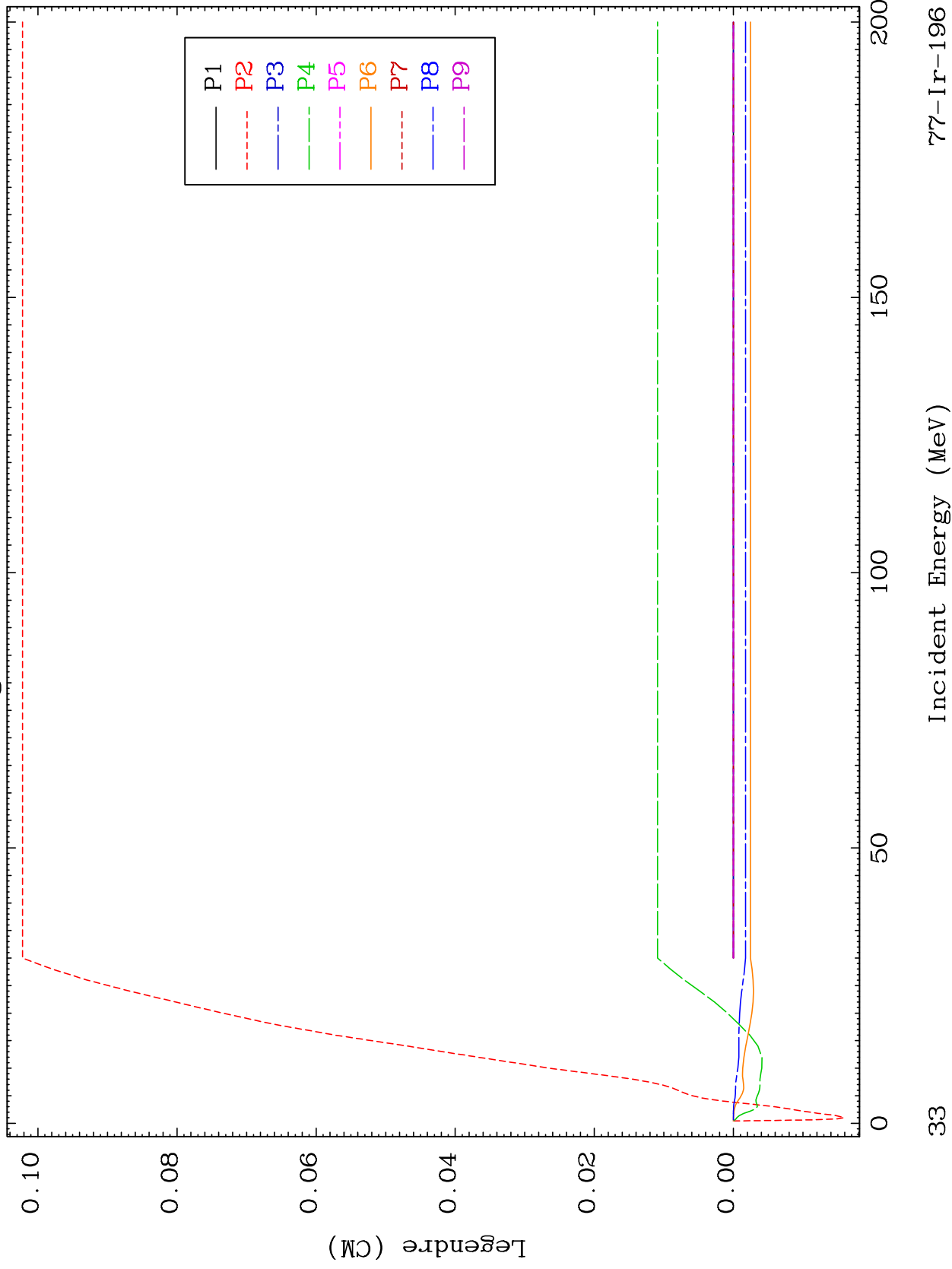




MAT 7740

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

77-Ir-196

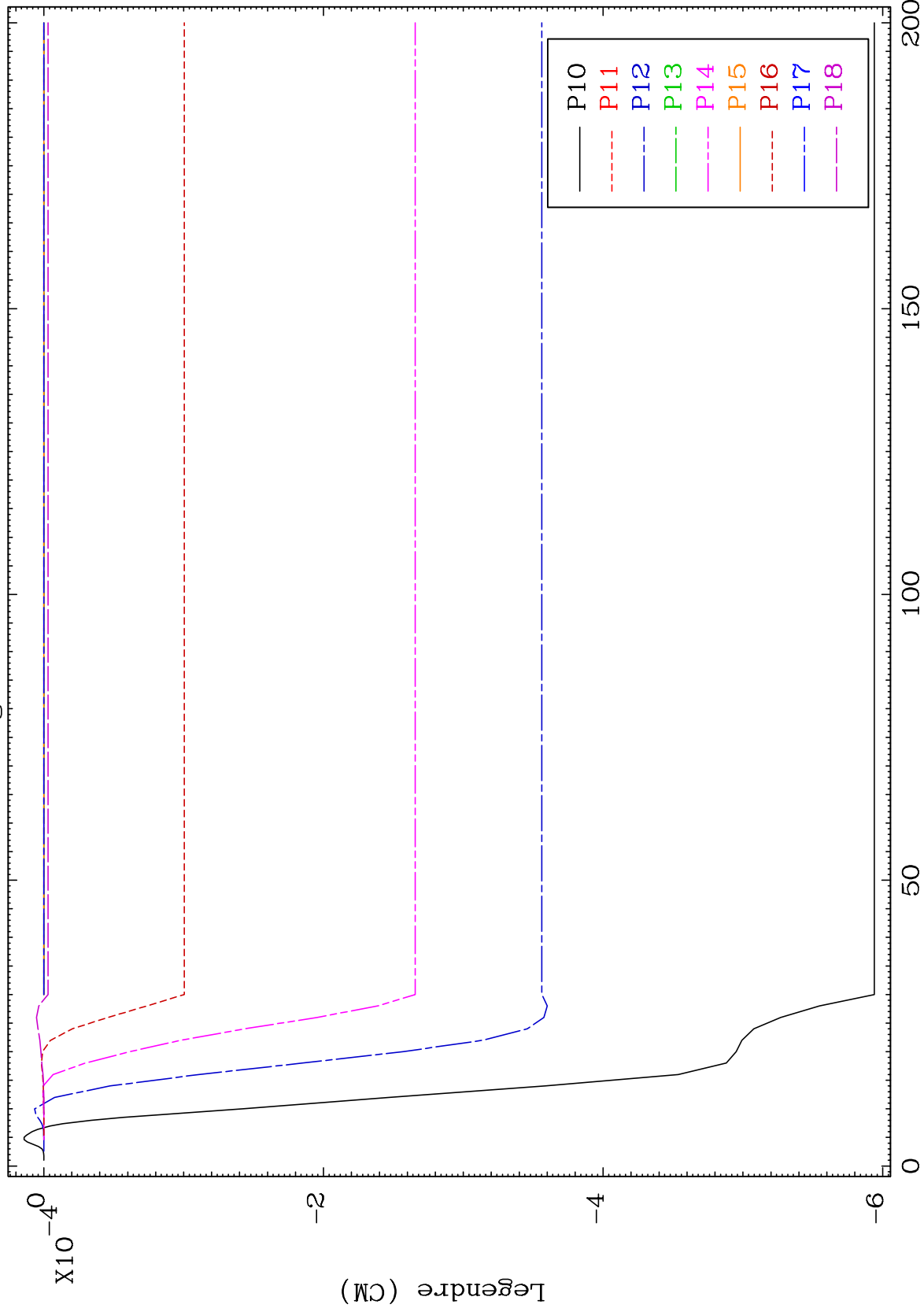


33

MAT 7740

77-Ir-196

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



34

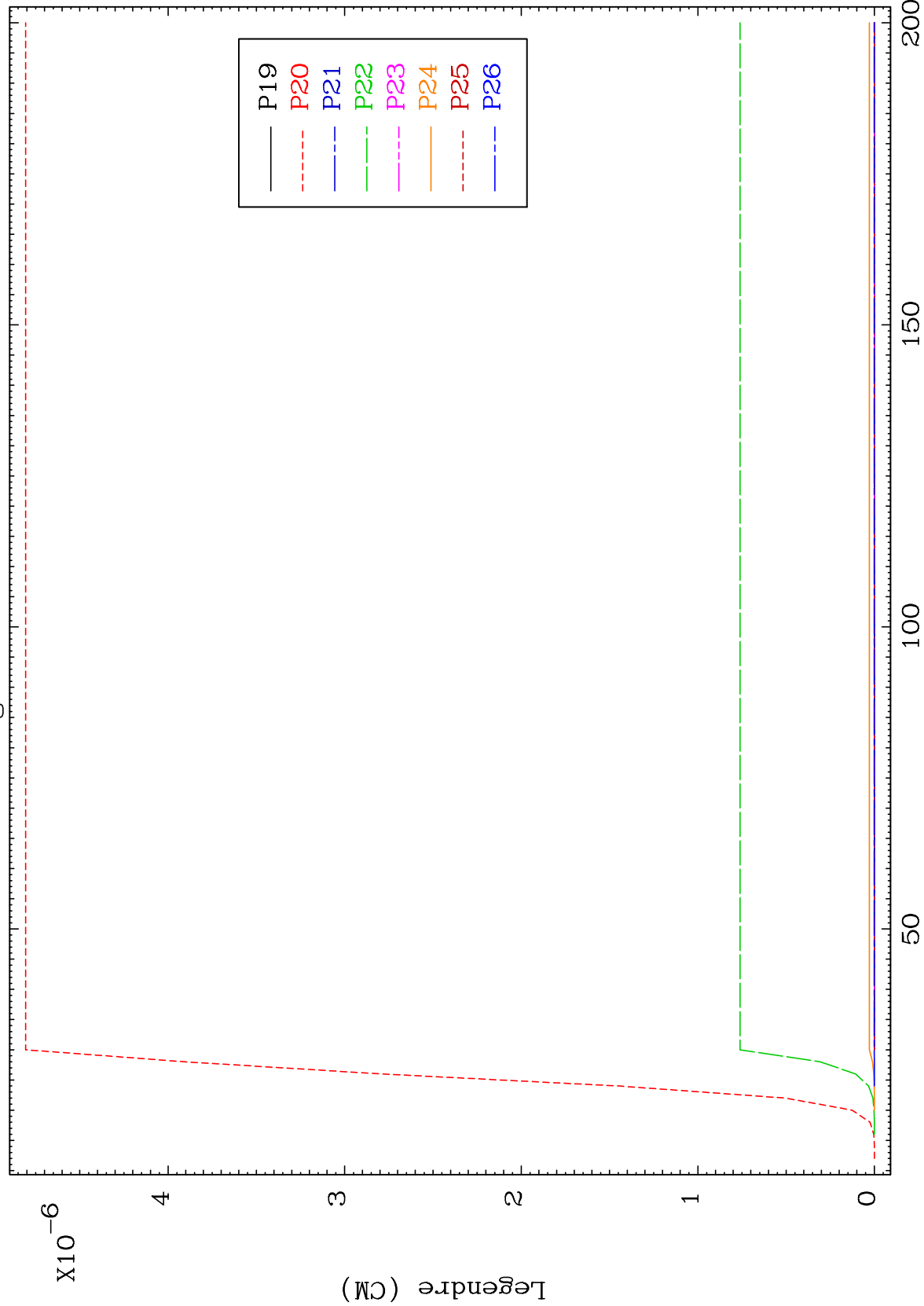
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



77-Ir-196

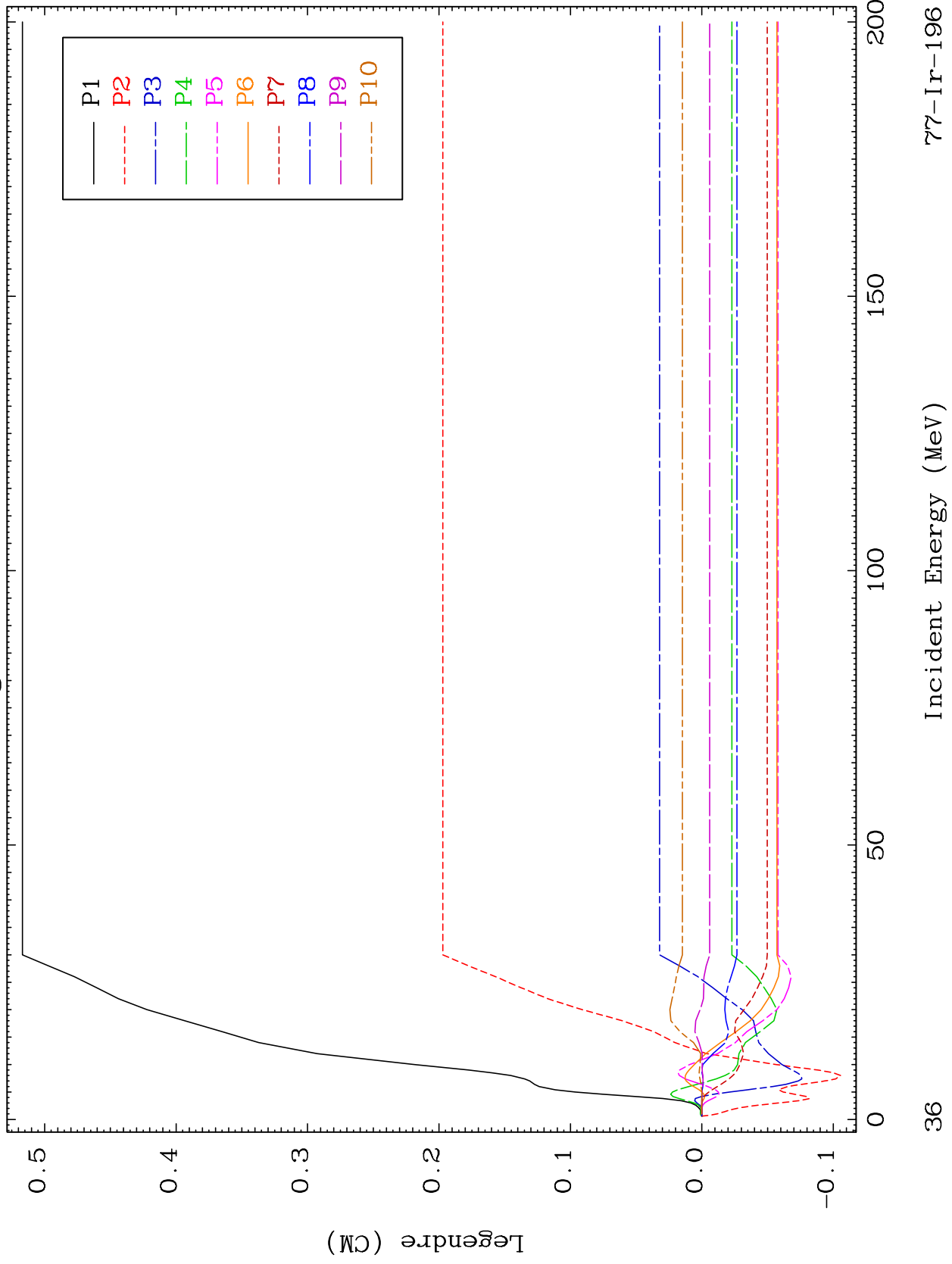
Incident Energy (MeV)

35

MAT 7740

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

77-Ir-196



77-Ir-196

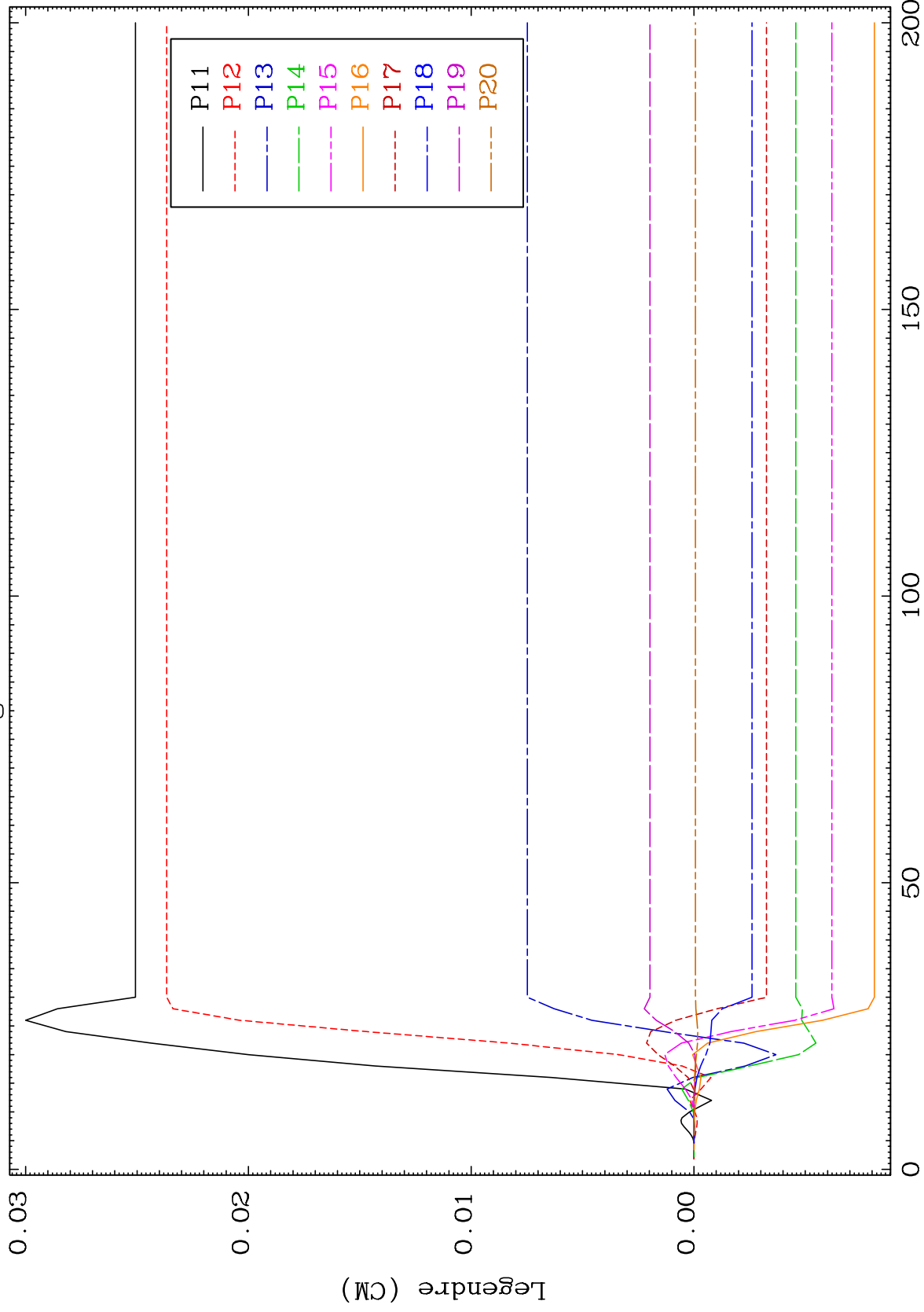
Incident Energy (MeV)

36

MAT 7740

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

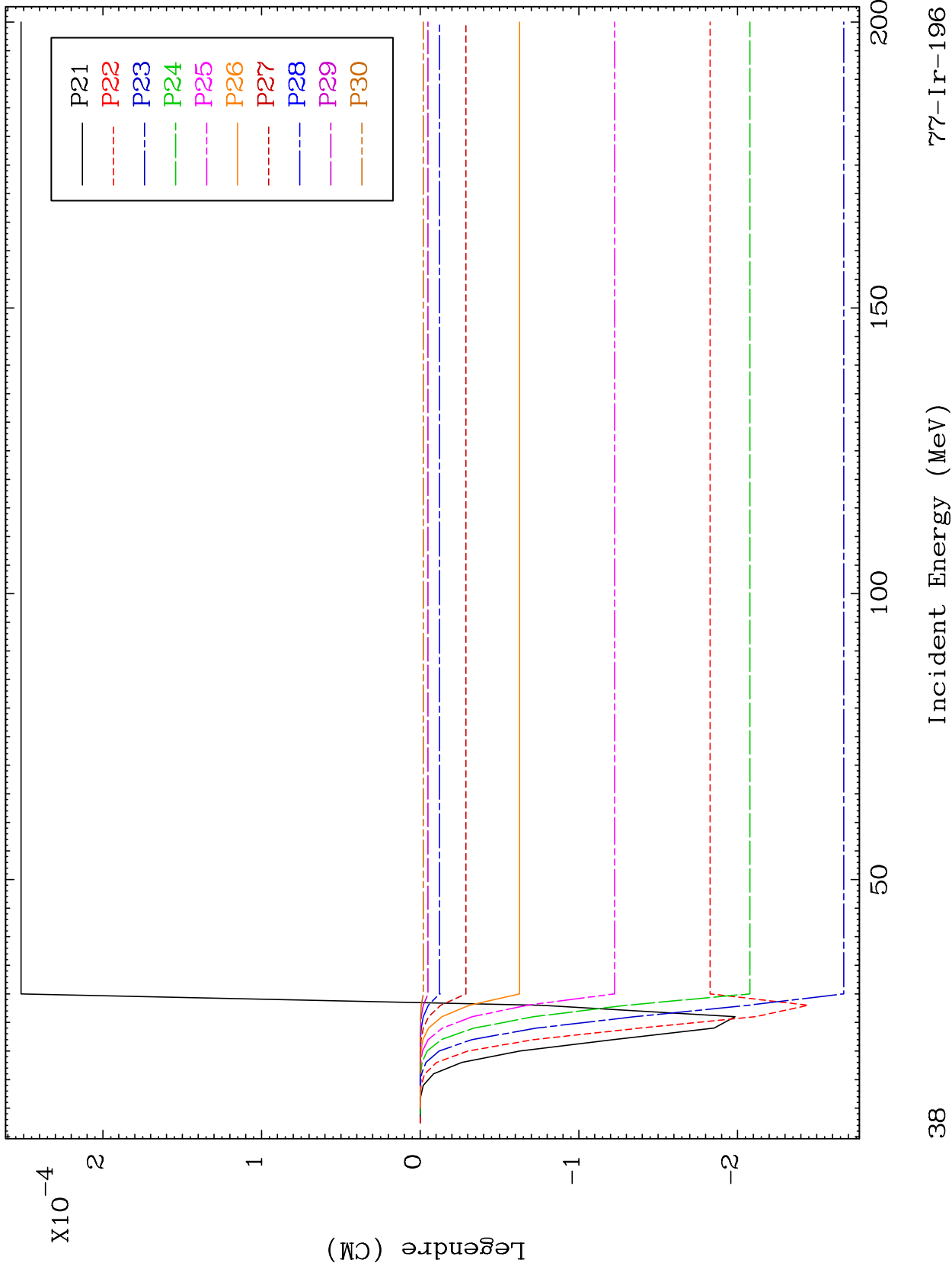
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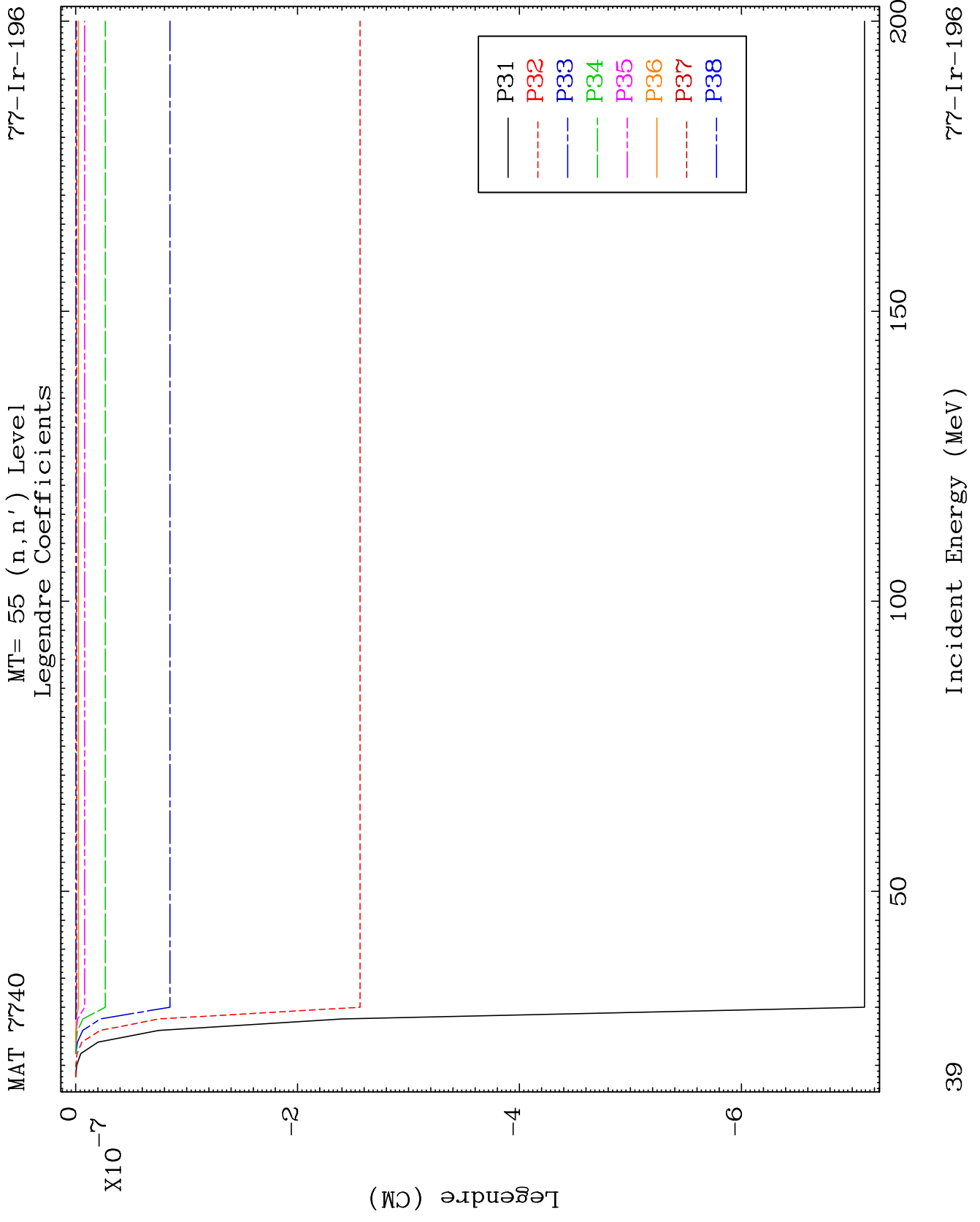


37

Incident Energy (MeV)

77-Ir-196



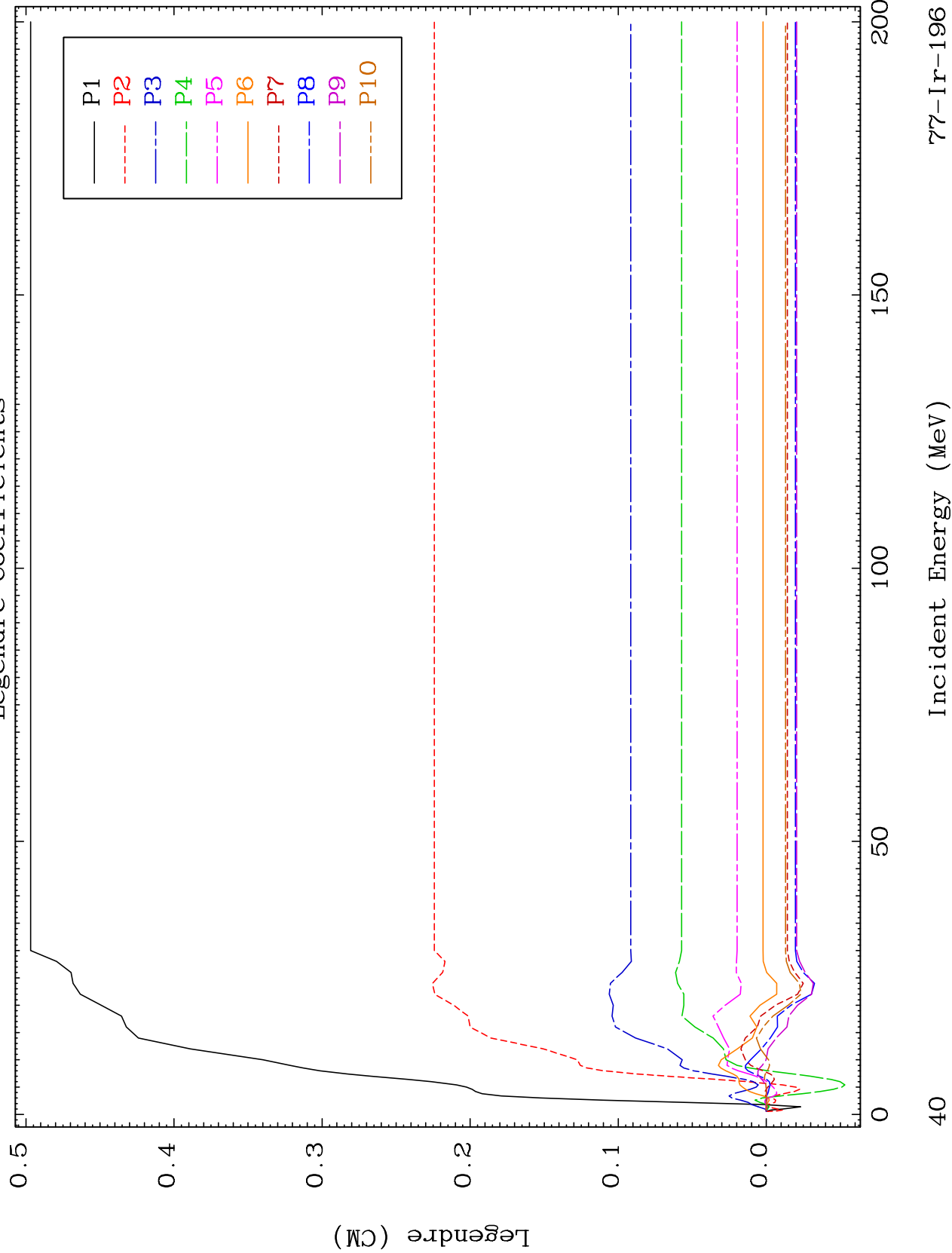




MAT 7740

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

77-Ir-196



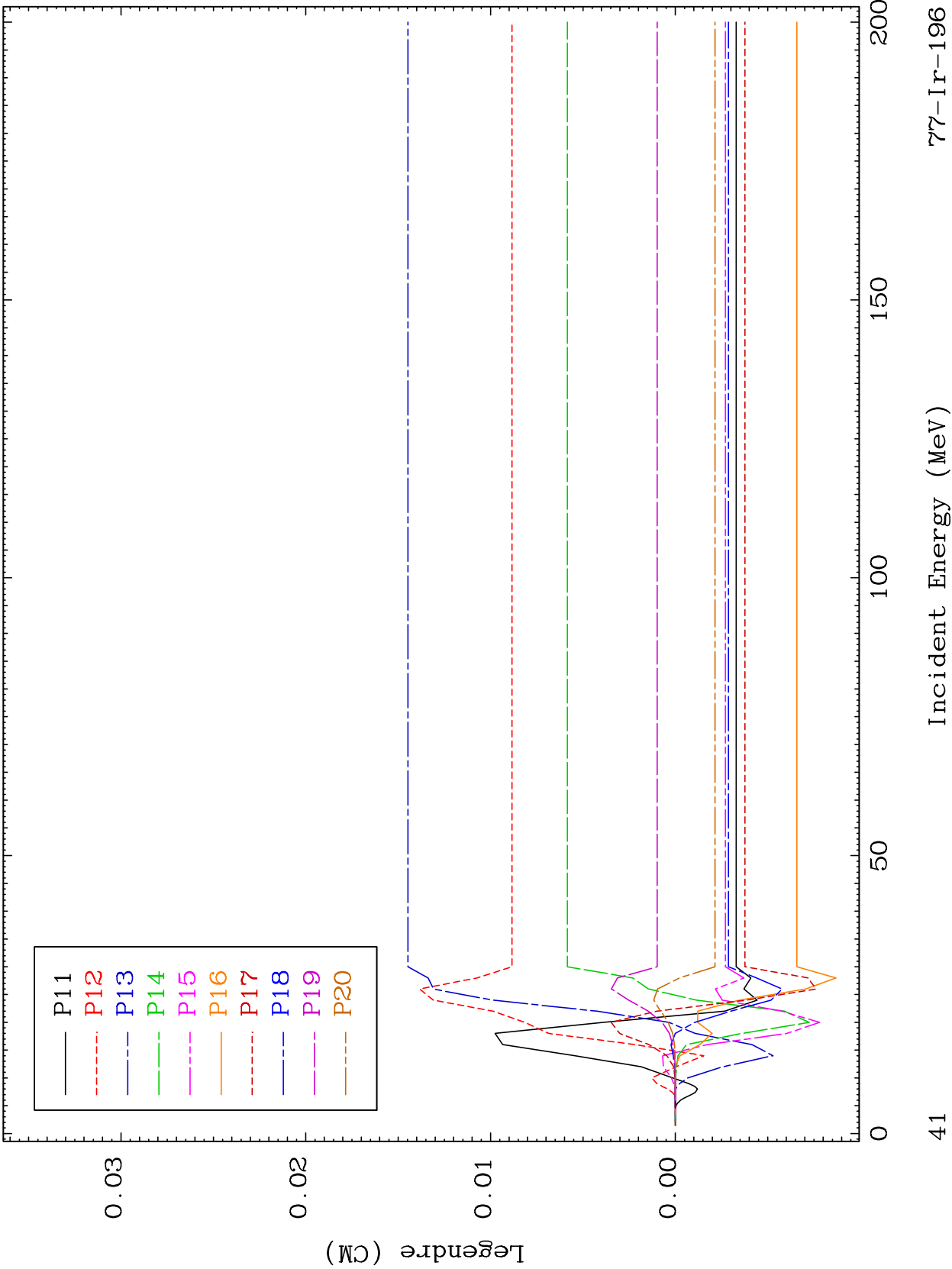
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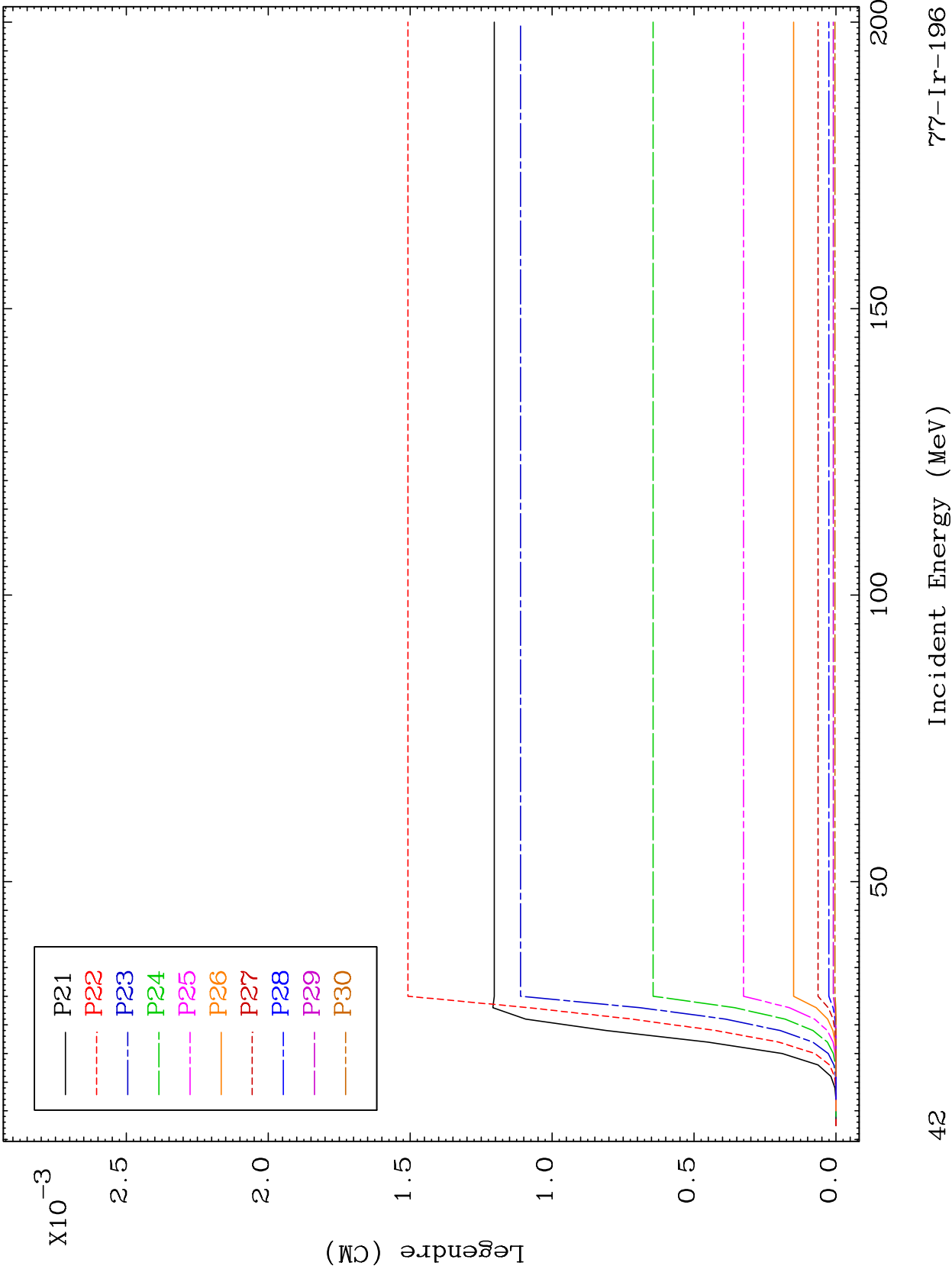
Incident Energy (MeV)

MAT 7740

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

77-Ir-196

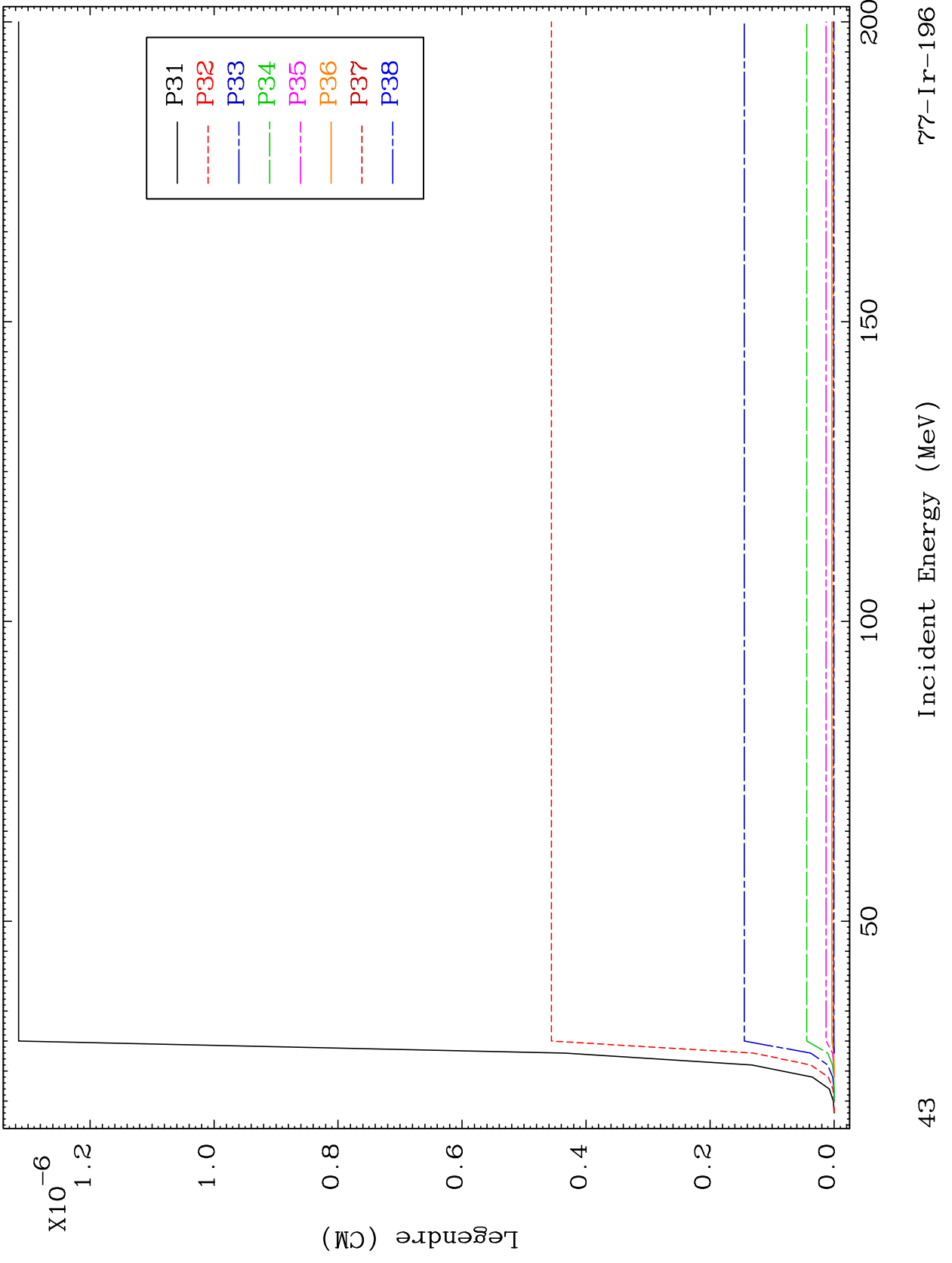




MAT 7740

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

77-Ir-196

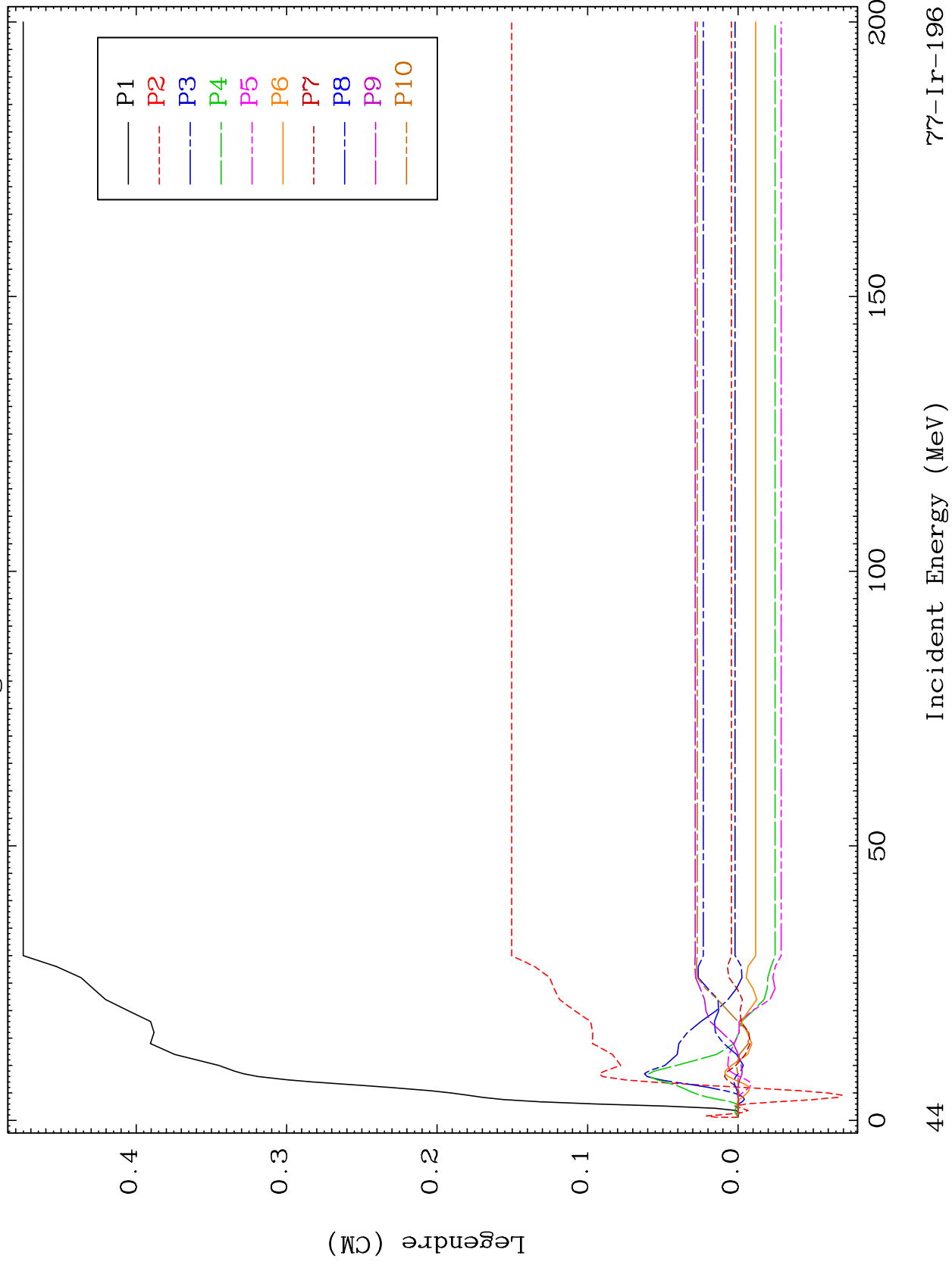


43

MAT 7740

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

77-Ir-196



77-Ir-196

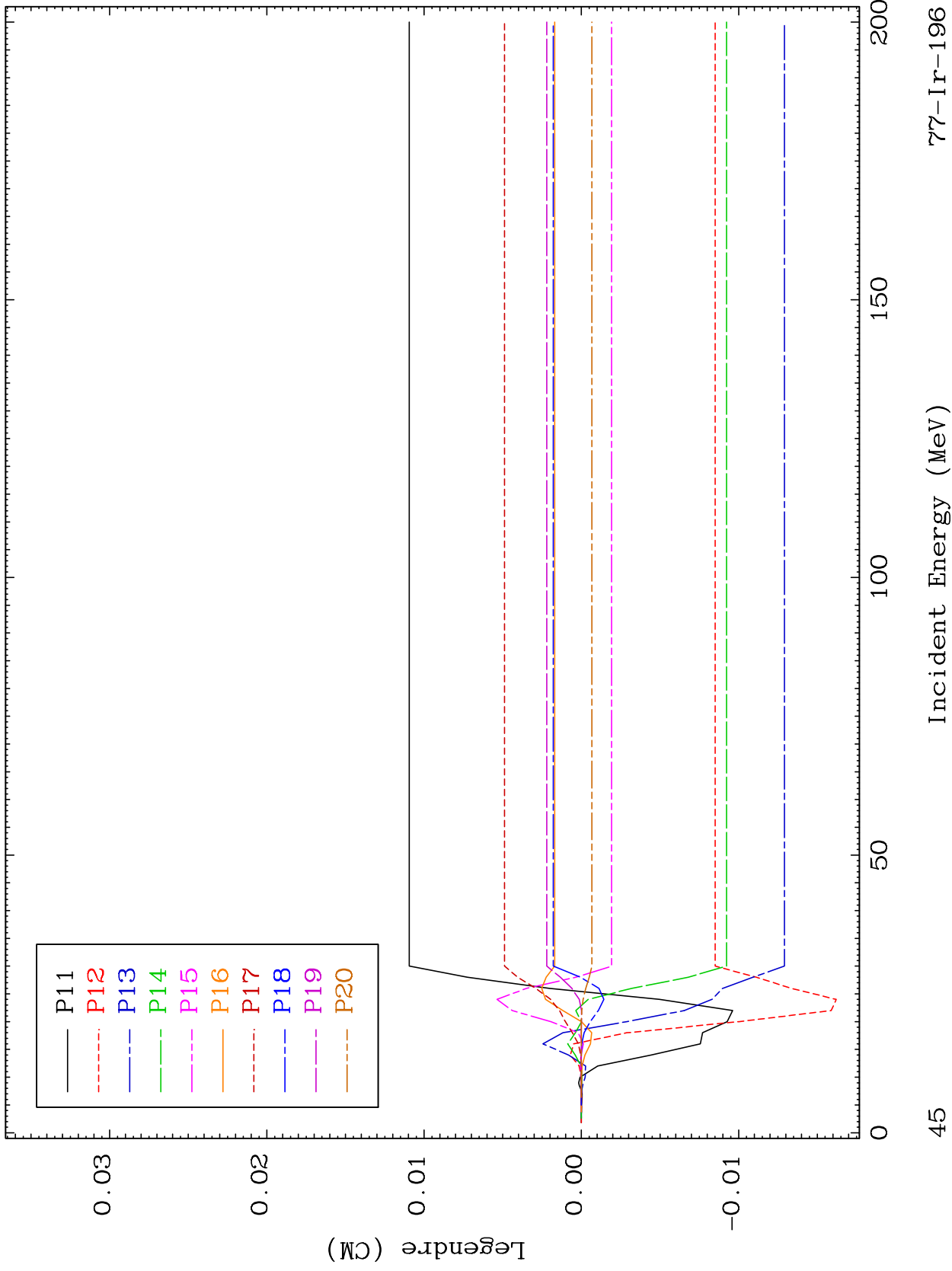
Incident Energy (MeV)

44

MAT 7740

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

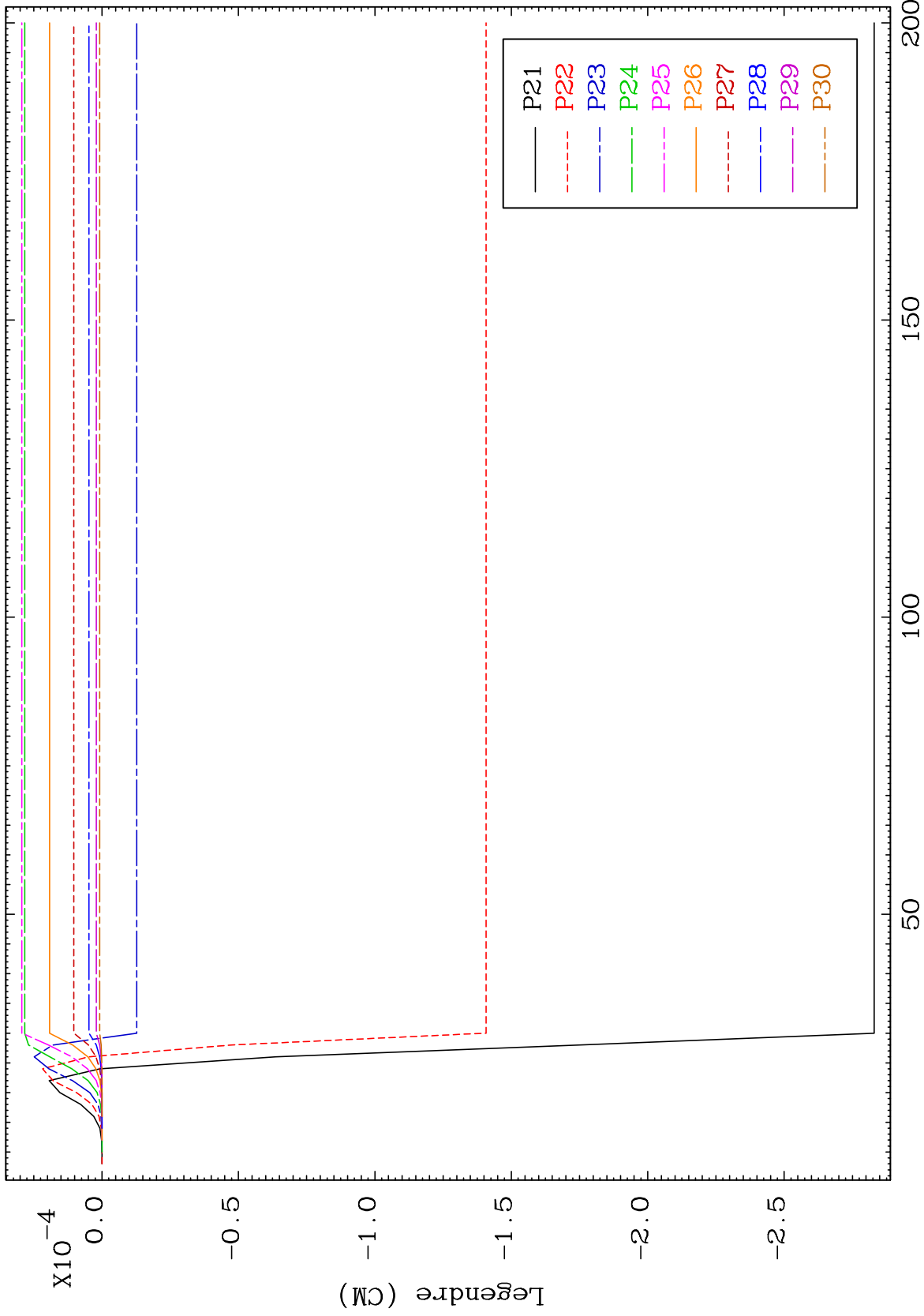
77-Ir-196



77-Ir-196

Incident Energy (MeV)

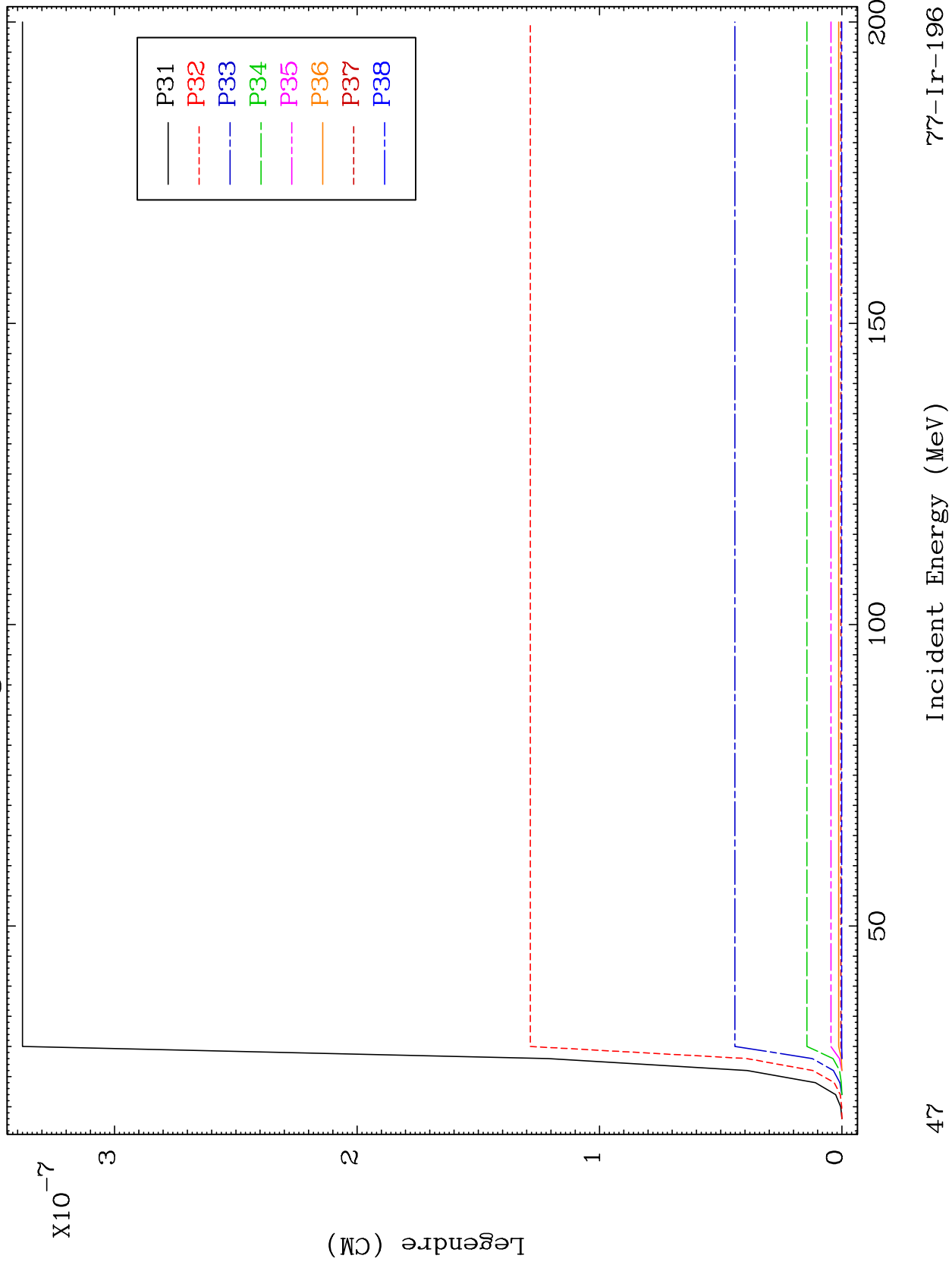
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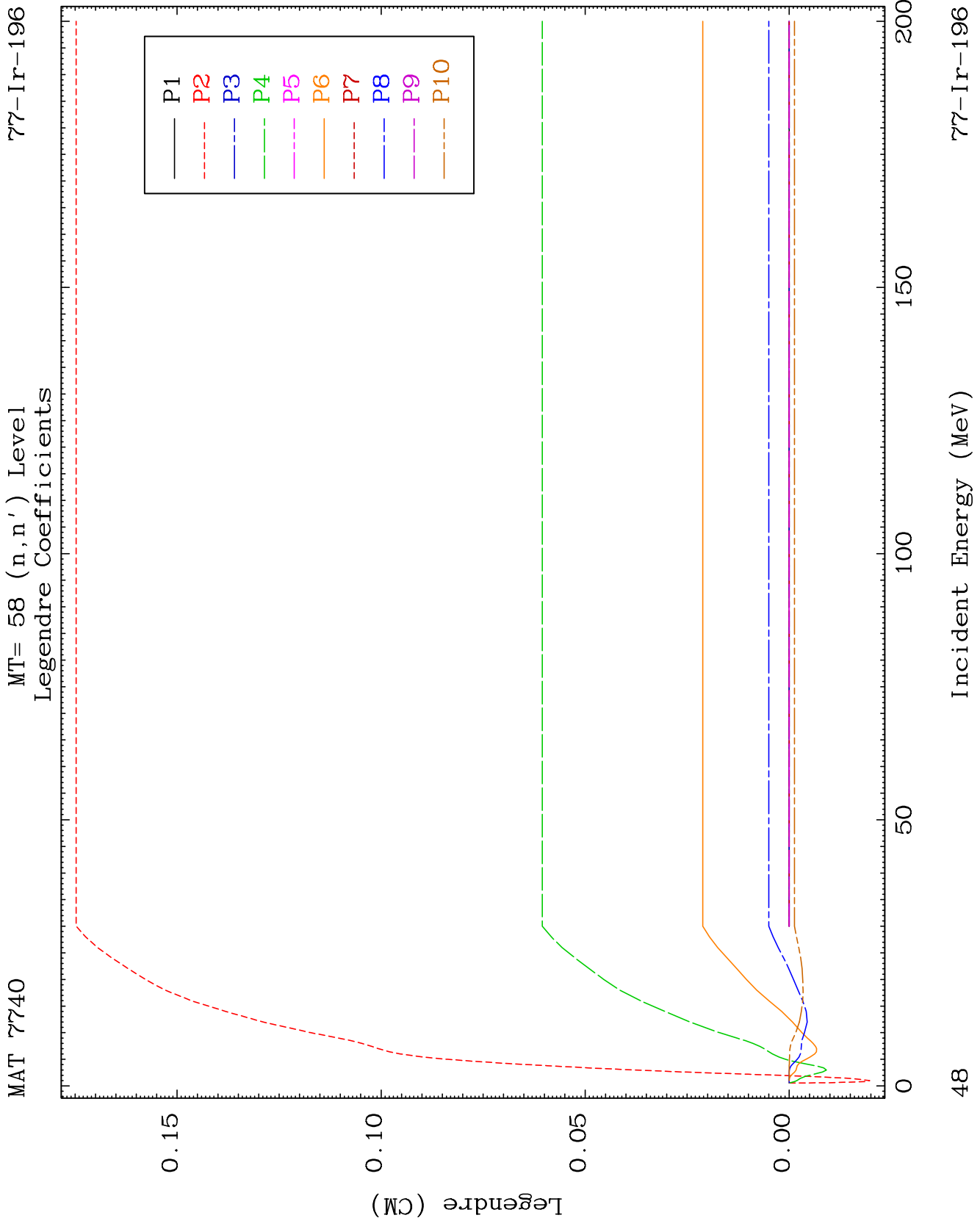
MAT 7740

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

77-Ir-196



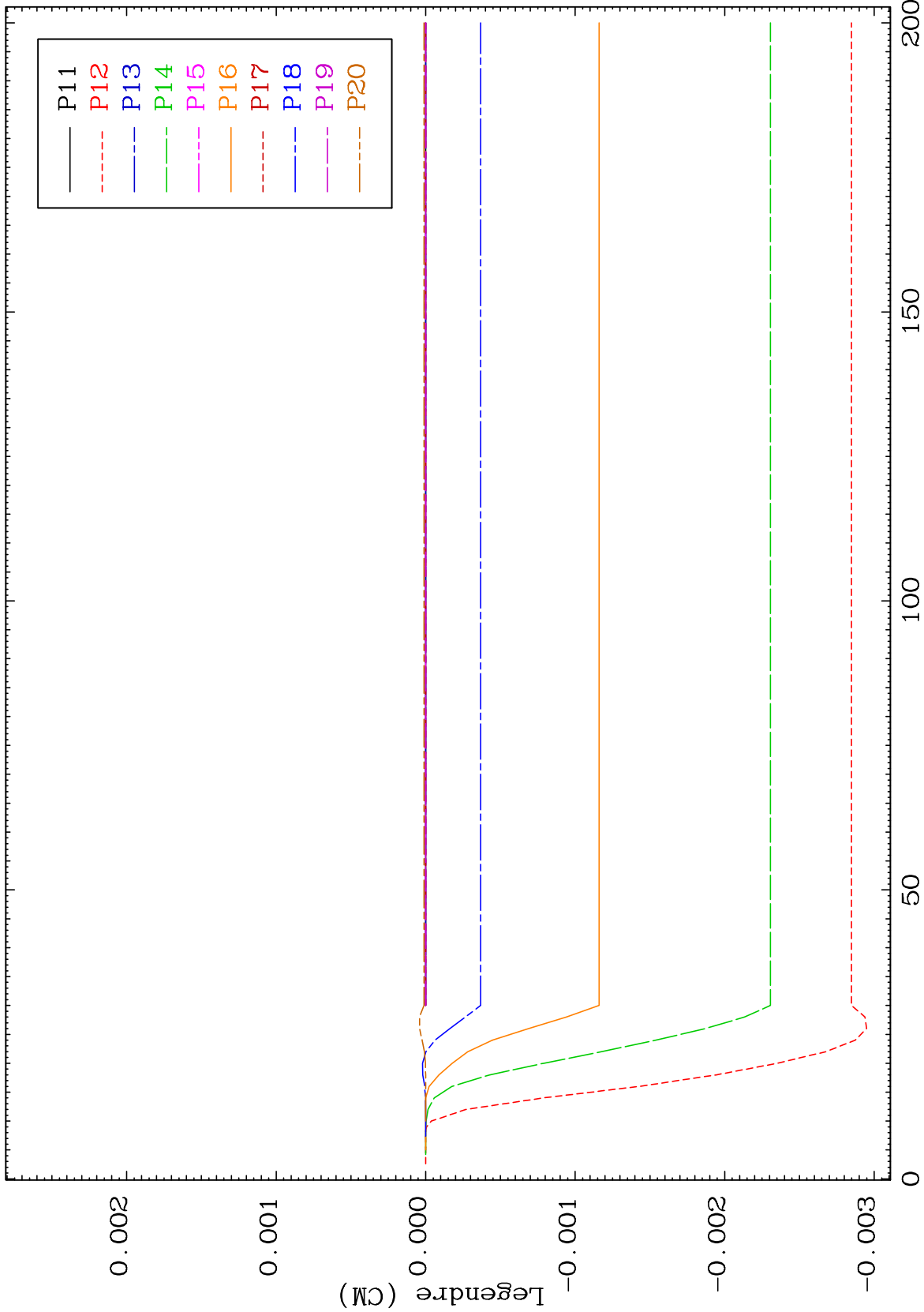




MAT 7740

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

77-Ir-196

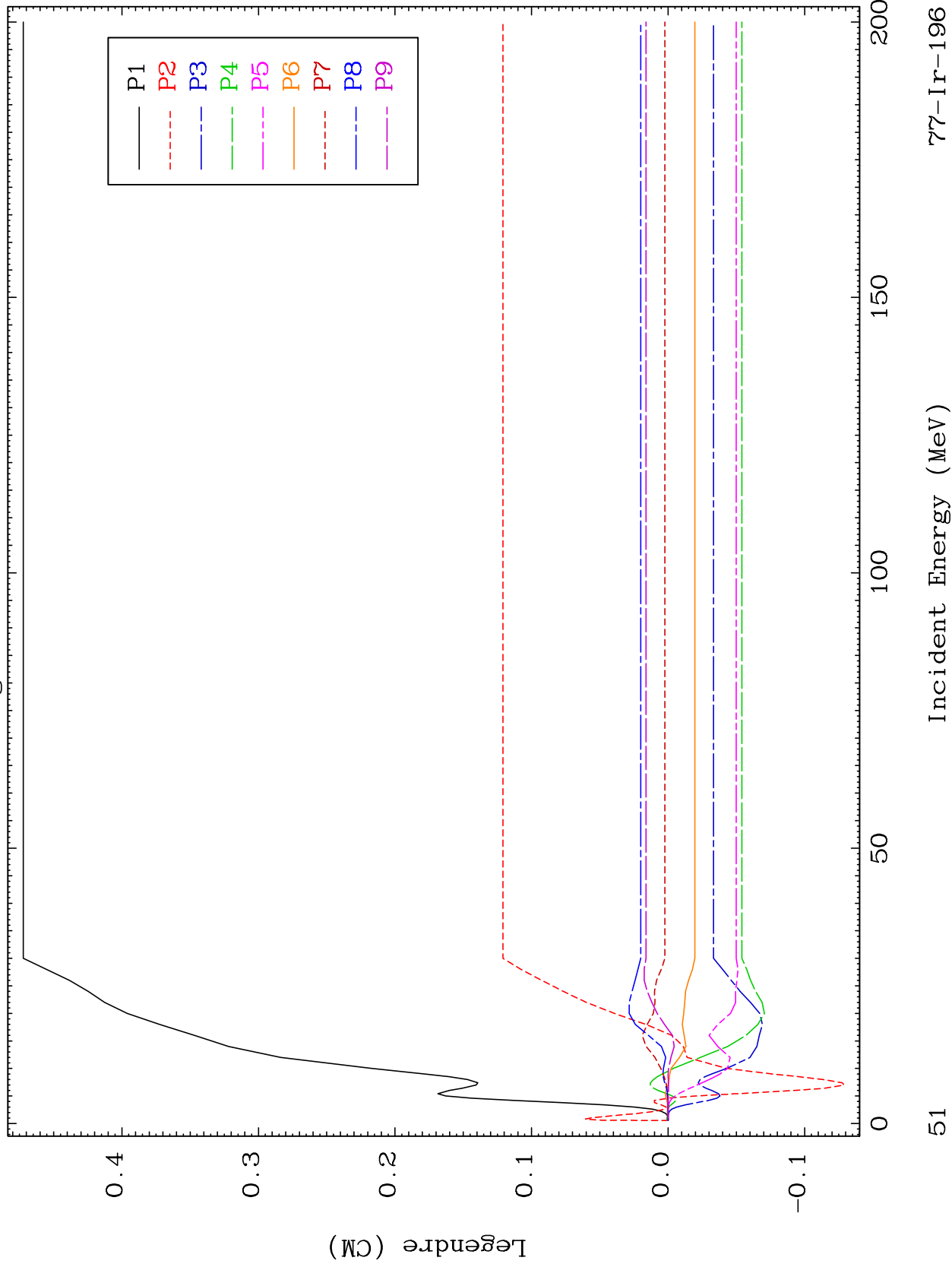


49

Incident Energy (MeV)

77-Ir-196

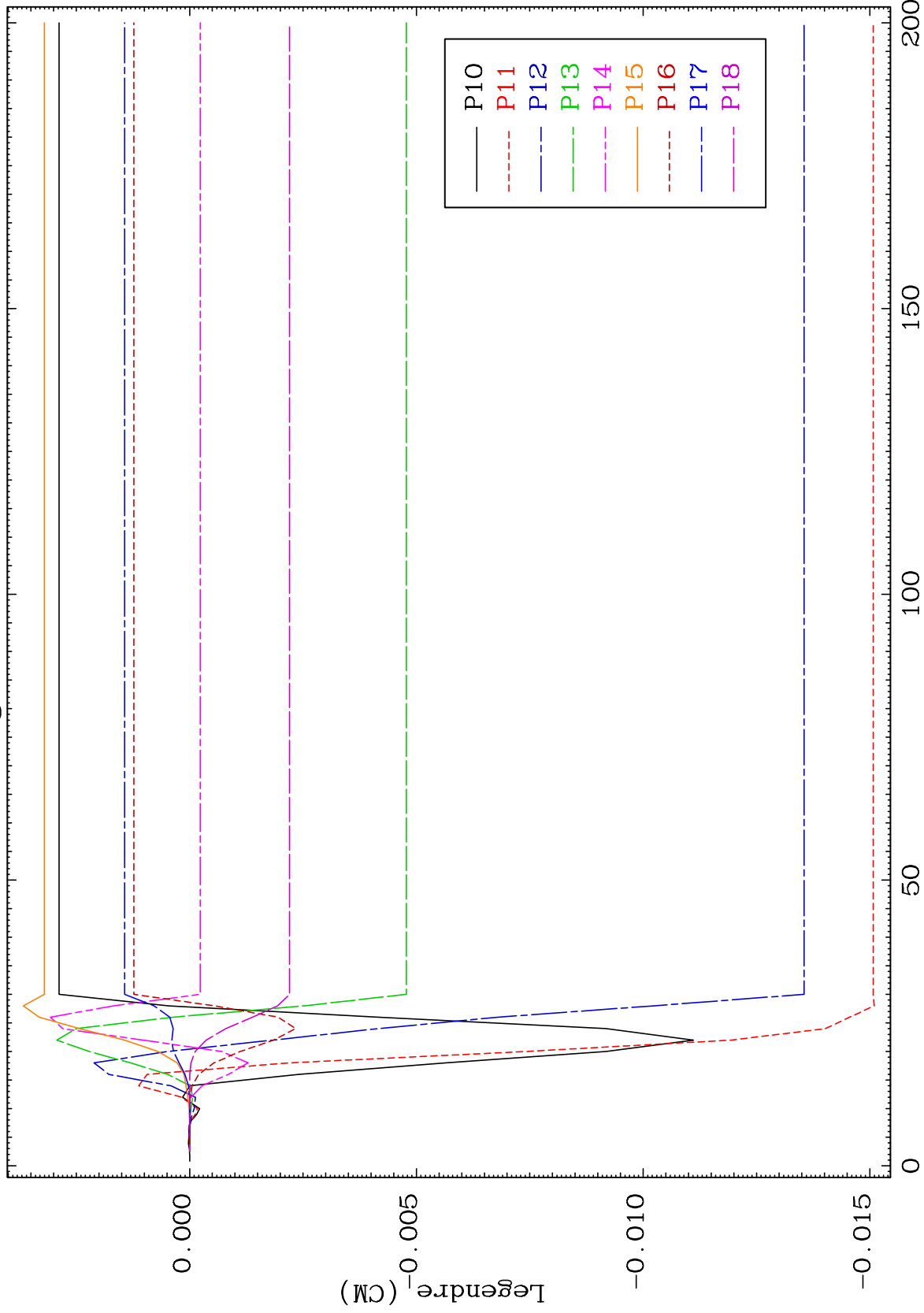




MAT 7740

77-Ir-196

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



52

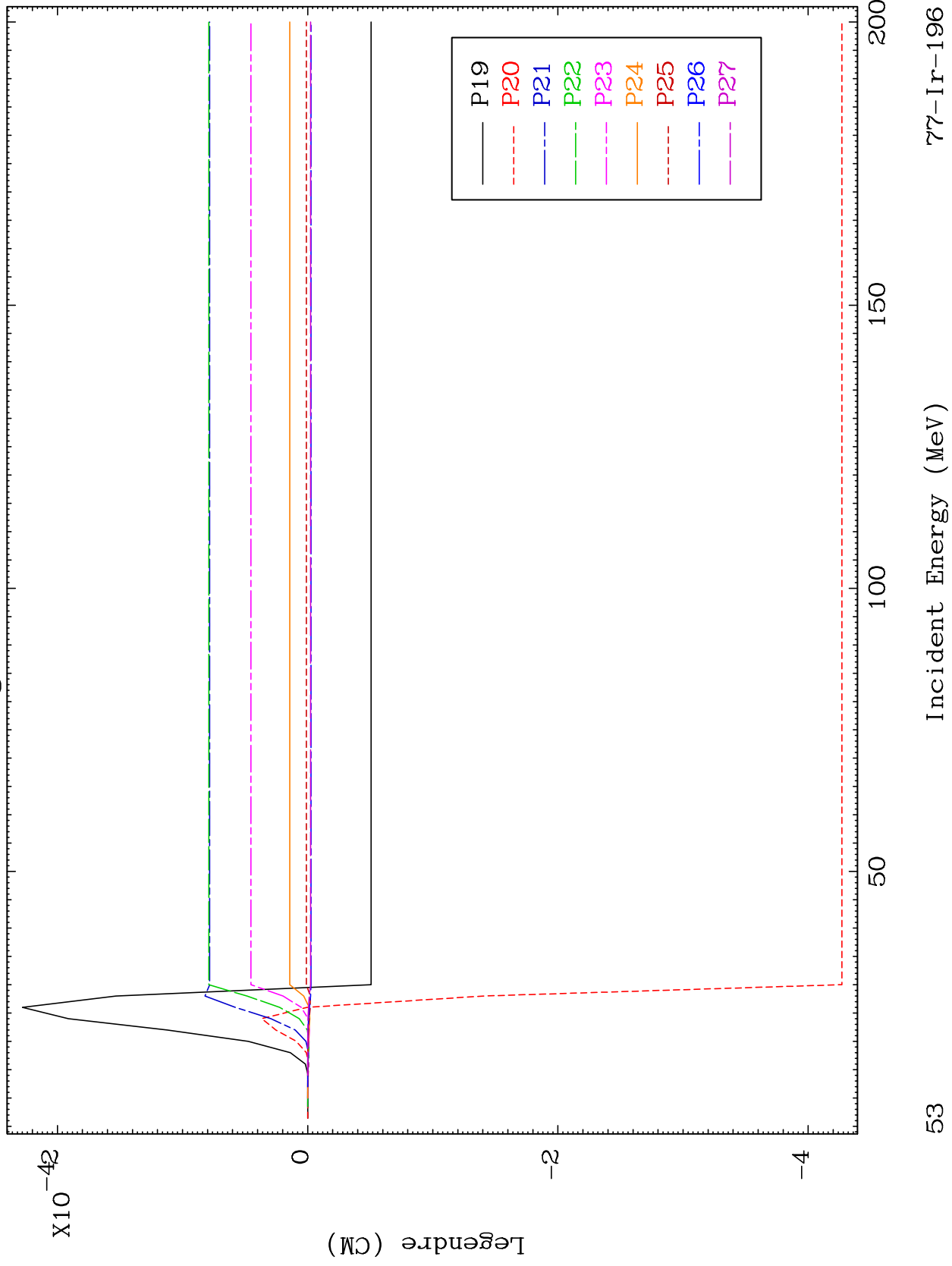
Incident Energy (MeV)

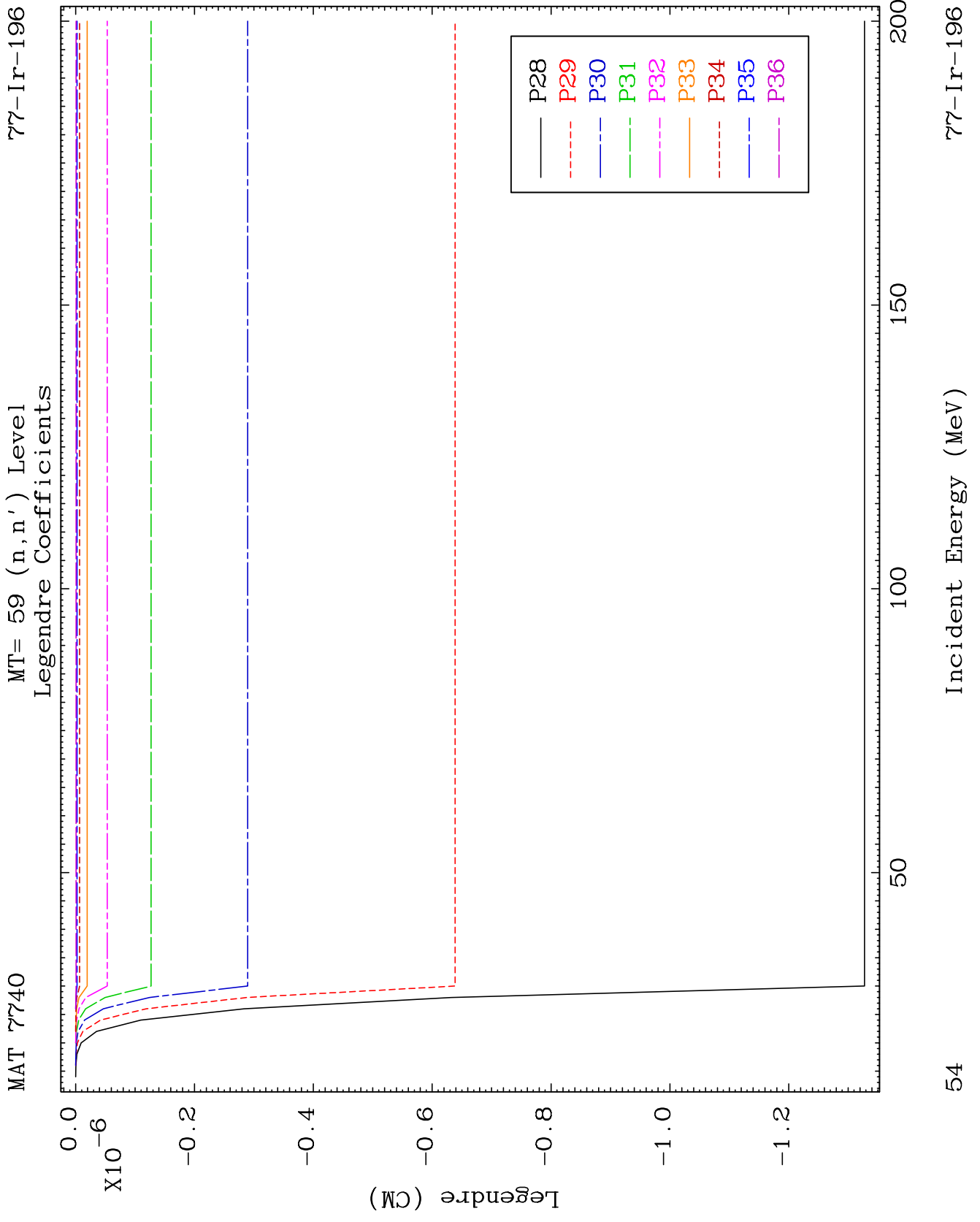
77-Ir-196

MAT 7740

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

77-Ir-196

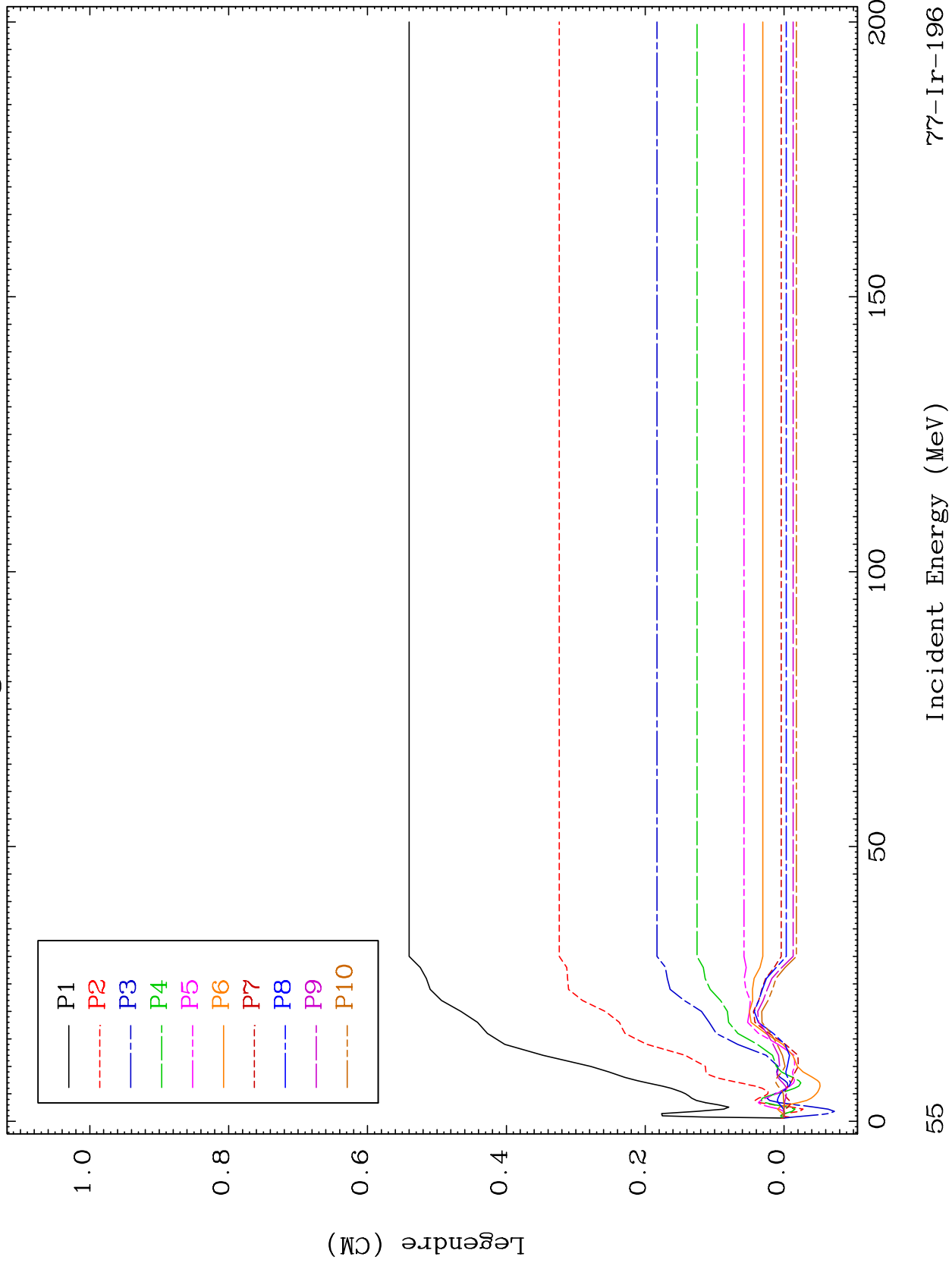




MAT 7740

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

77-Ir-196



77-Ir-196

Incident Energy (MeV)

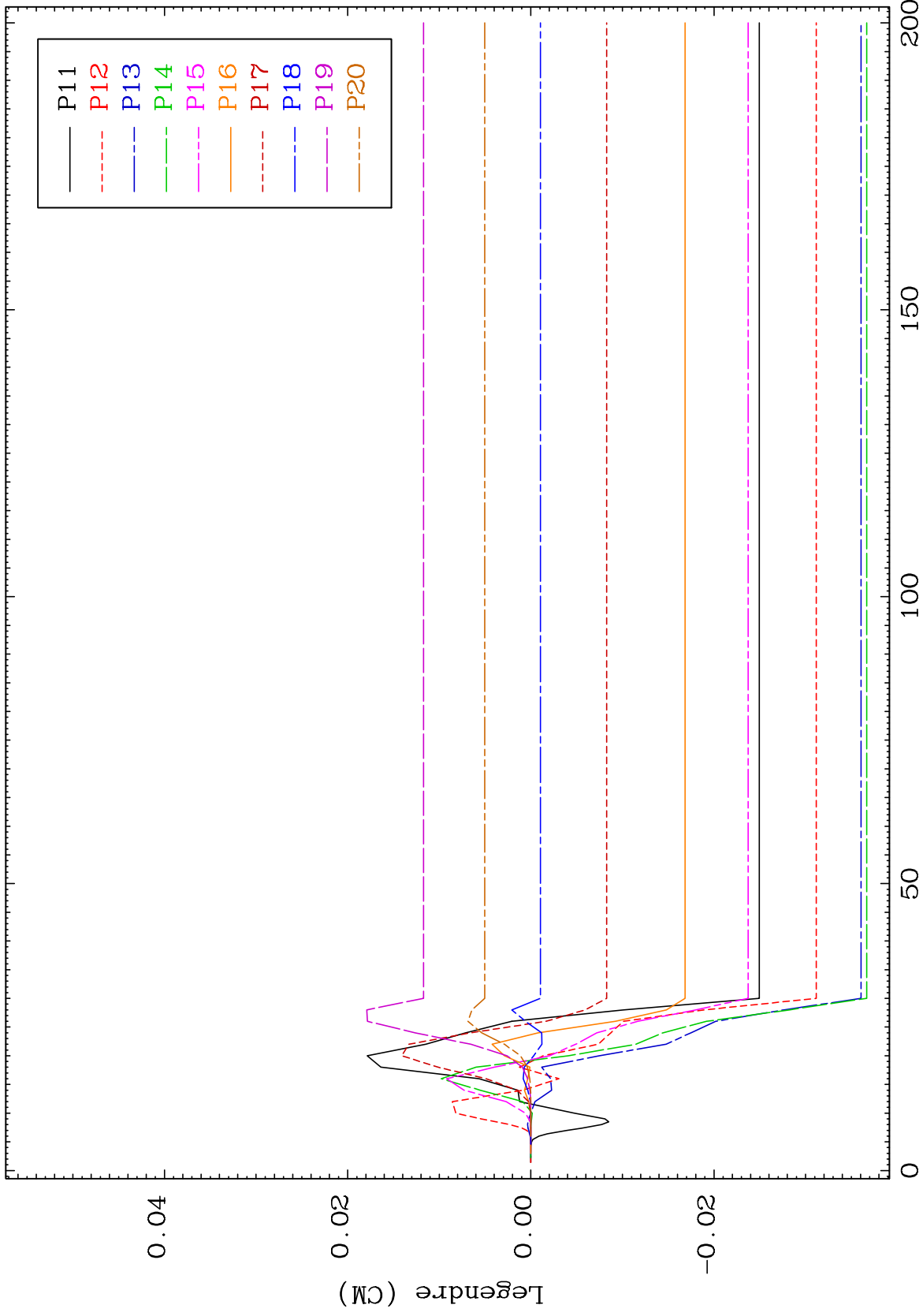
55



MAT 7740

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

77-Ir-196



56

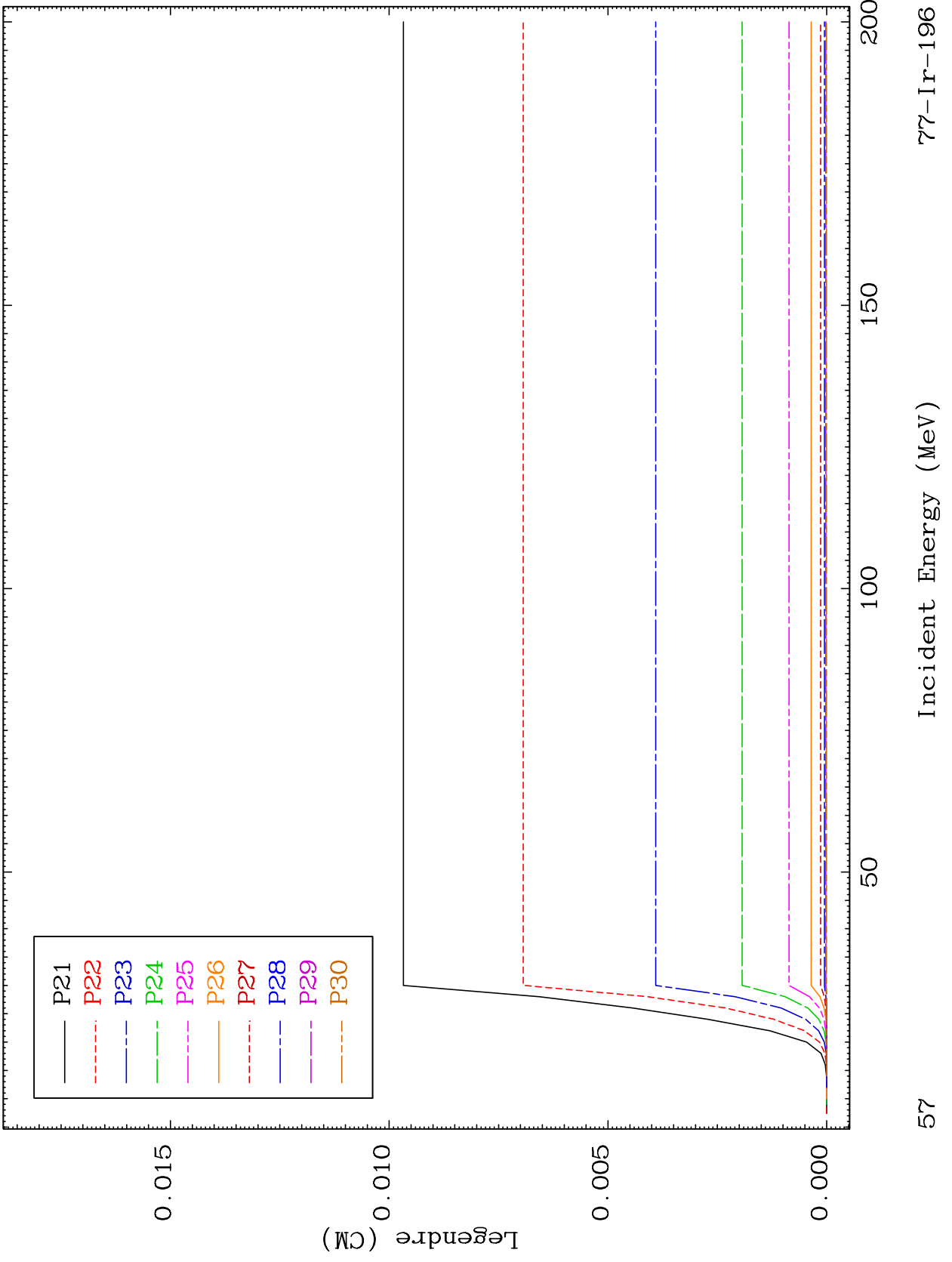
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

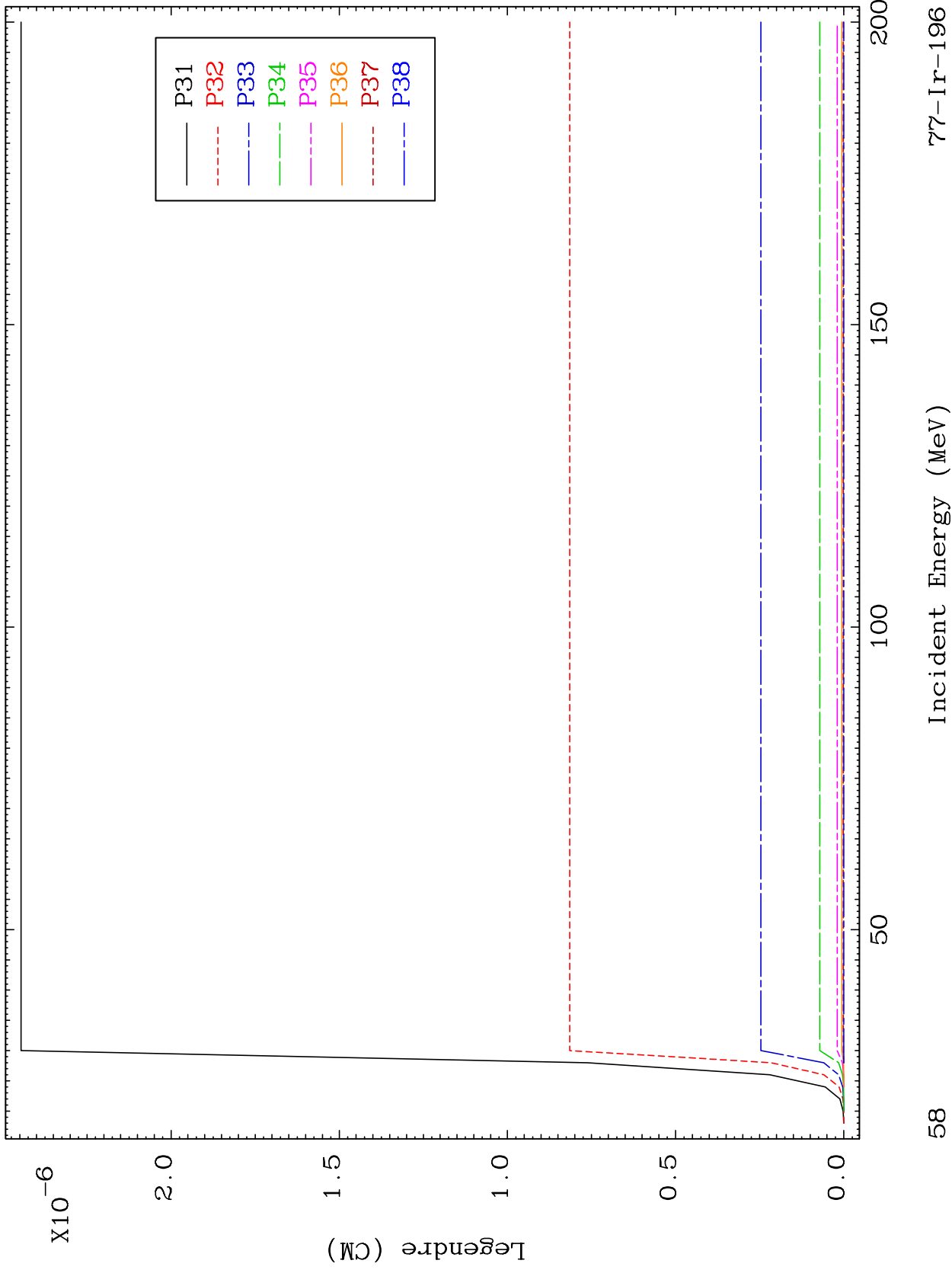
77-Ir-196



57

Incident Energy (MeV)

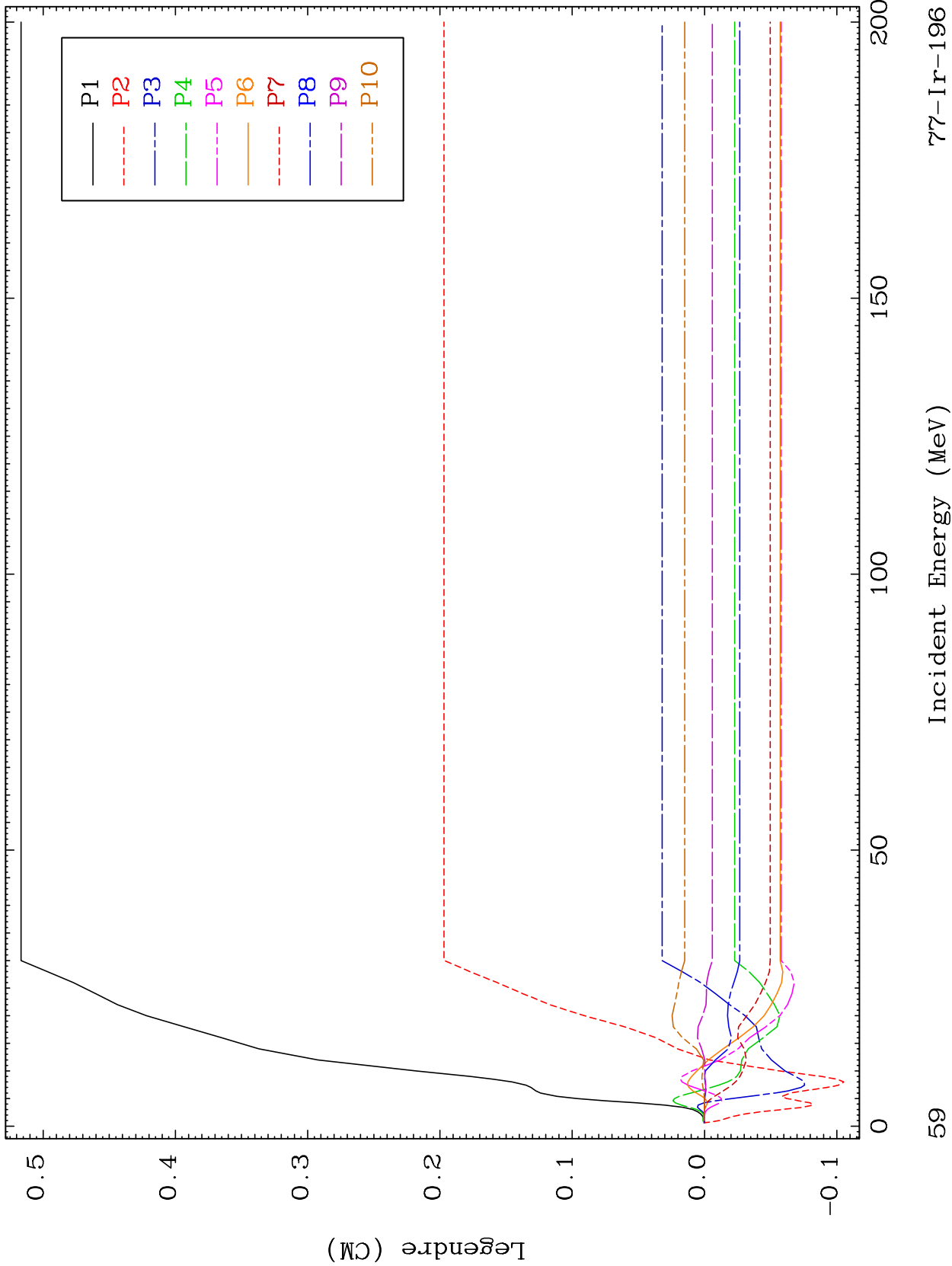
77-Ir-196



MAT 7740

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

77-Ir-196



77-Ir-196

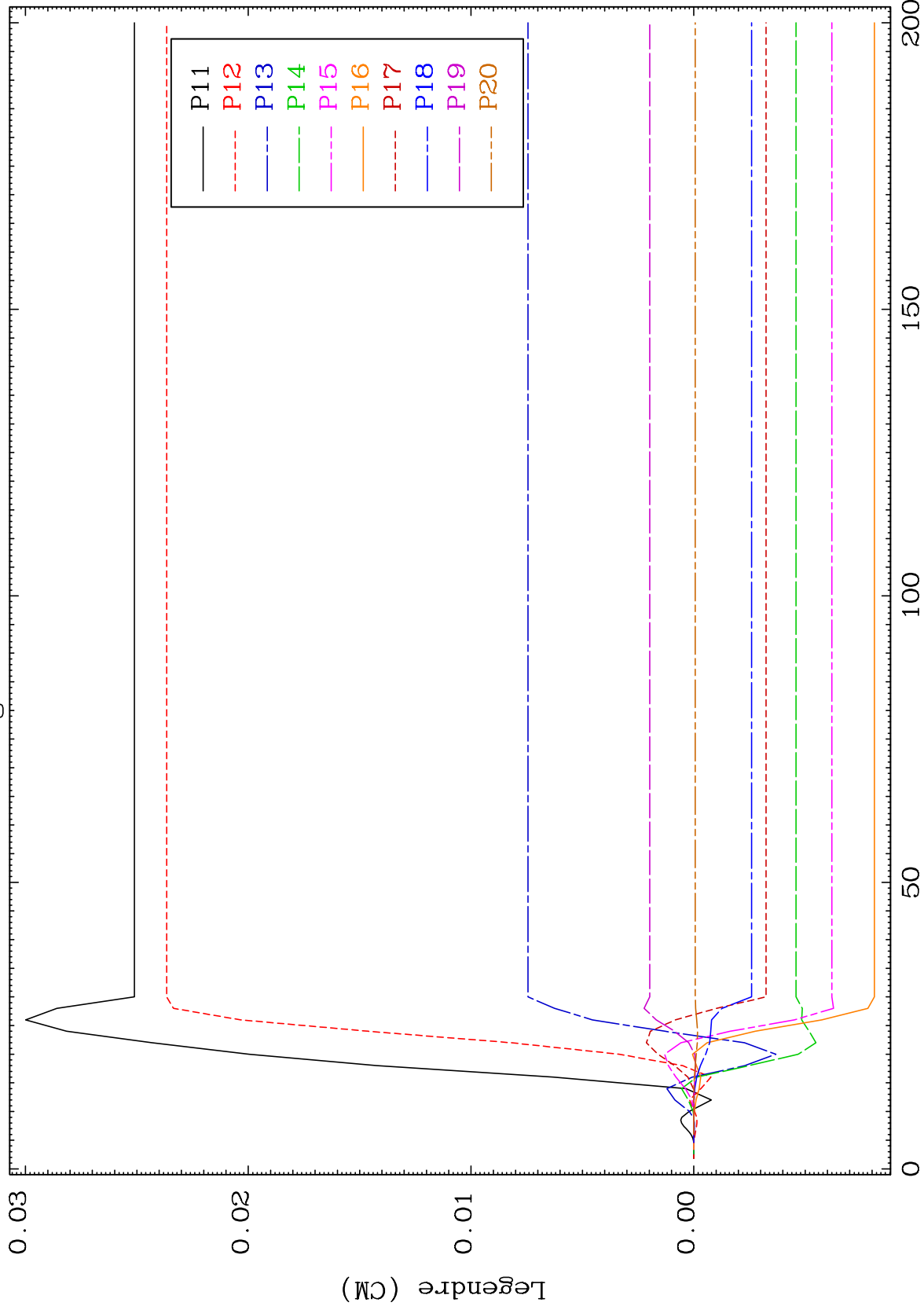
Incident Energy (MeV)

59

MAT 7740

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

77-Ir-196



77-Ir-196

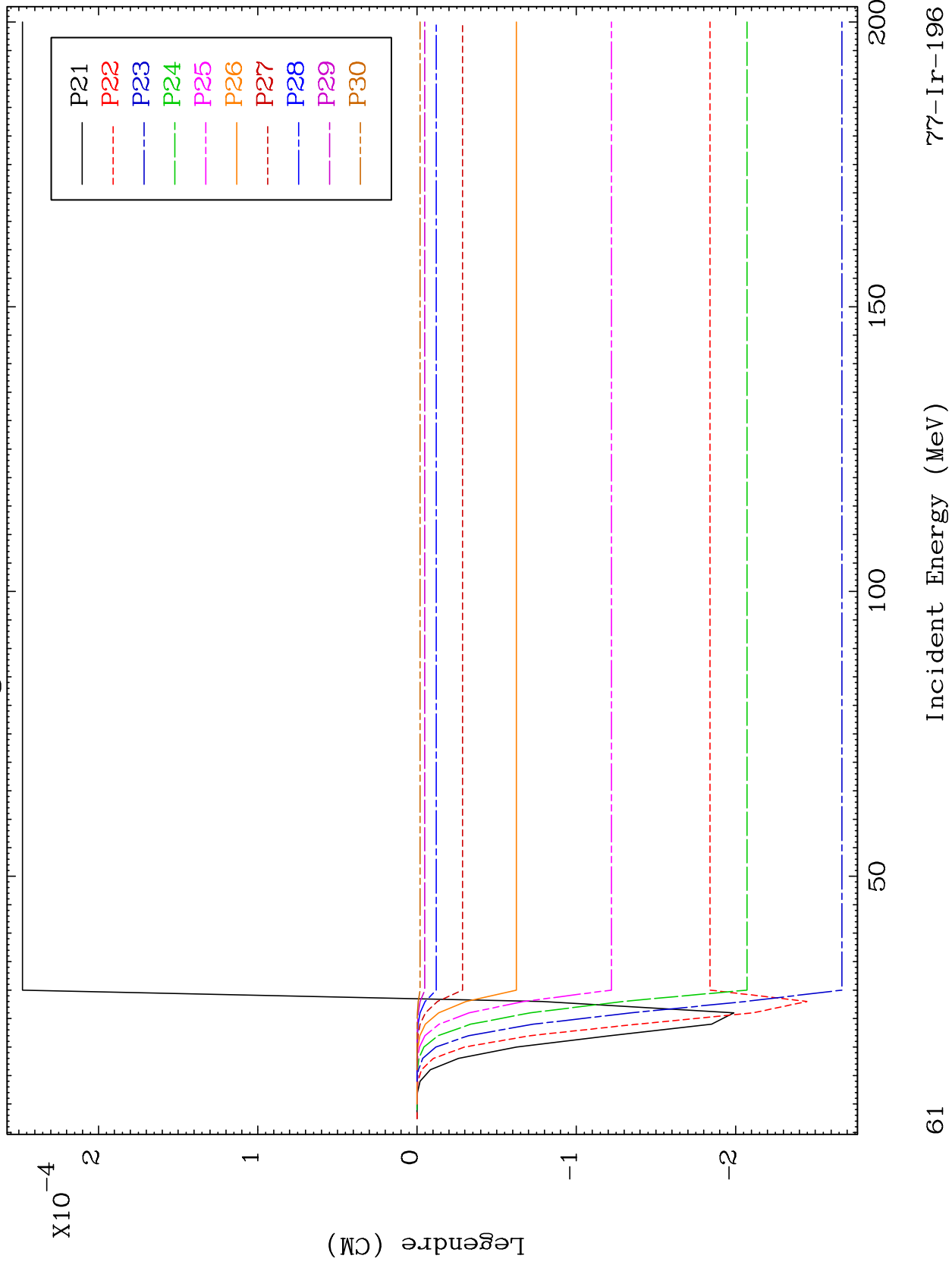
Incident Energy (MeV)

60

MAT 7740

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

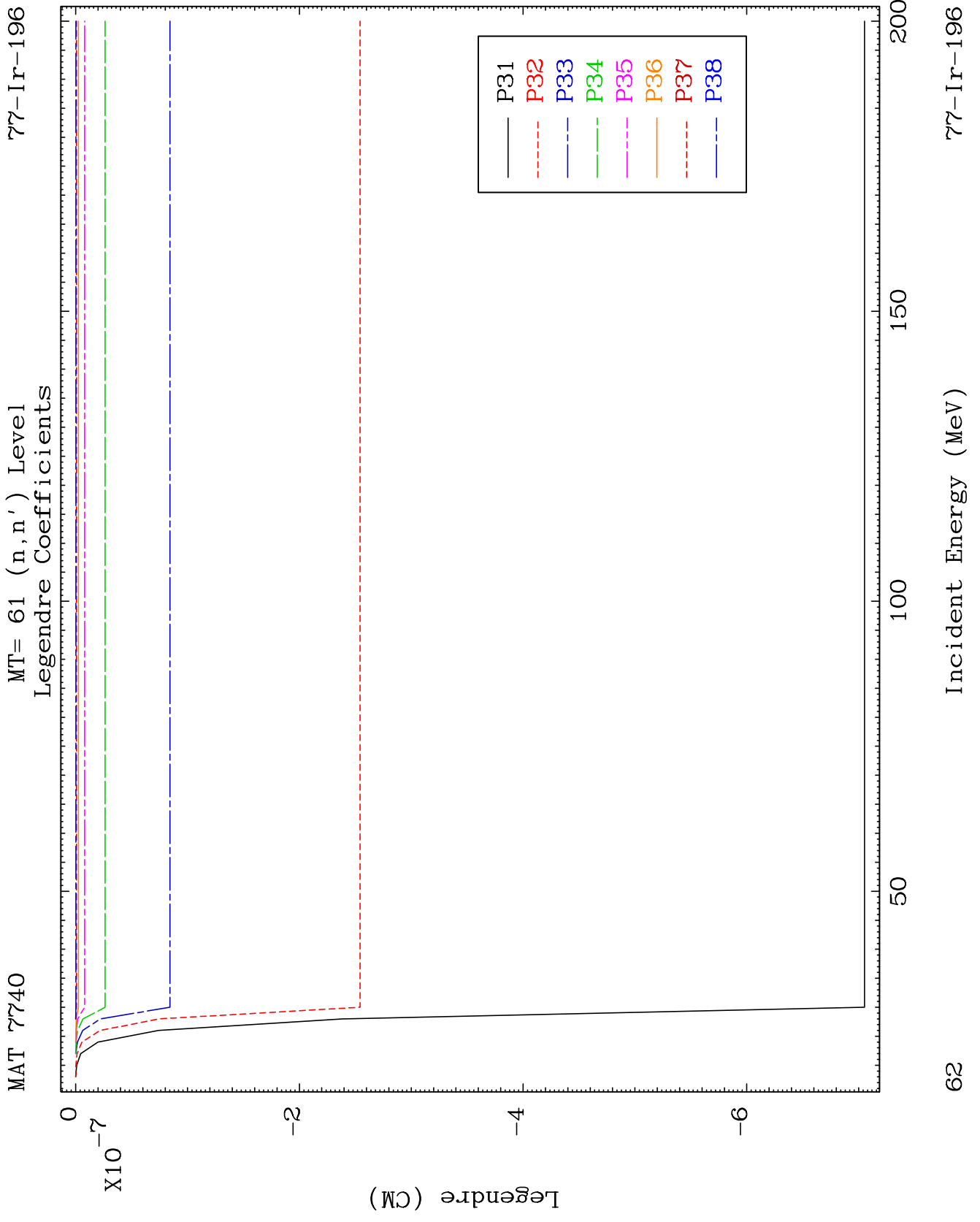
77-Ir-196



61

Incident Energy (MeV)

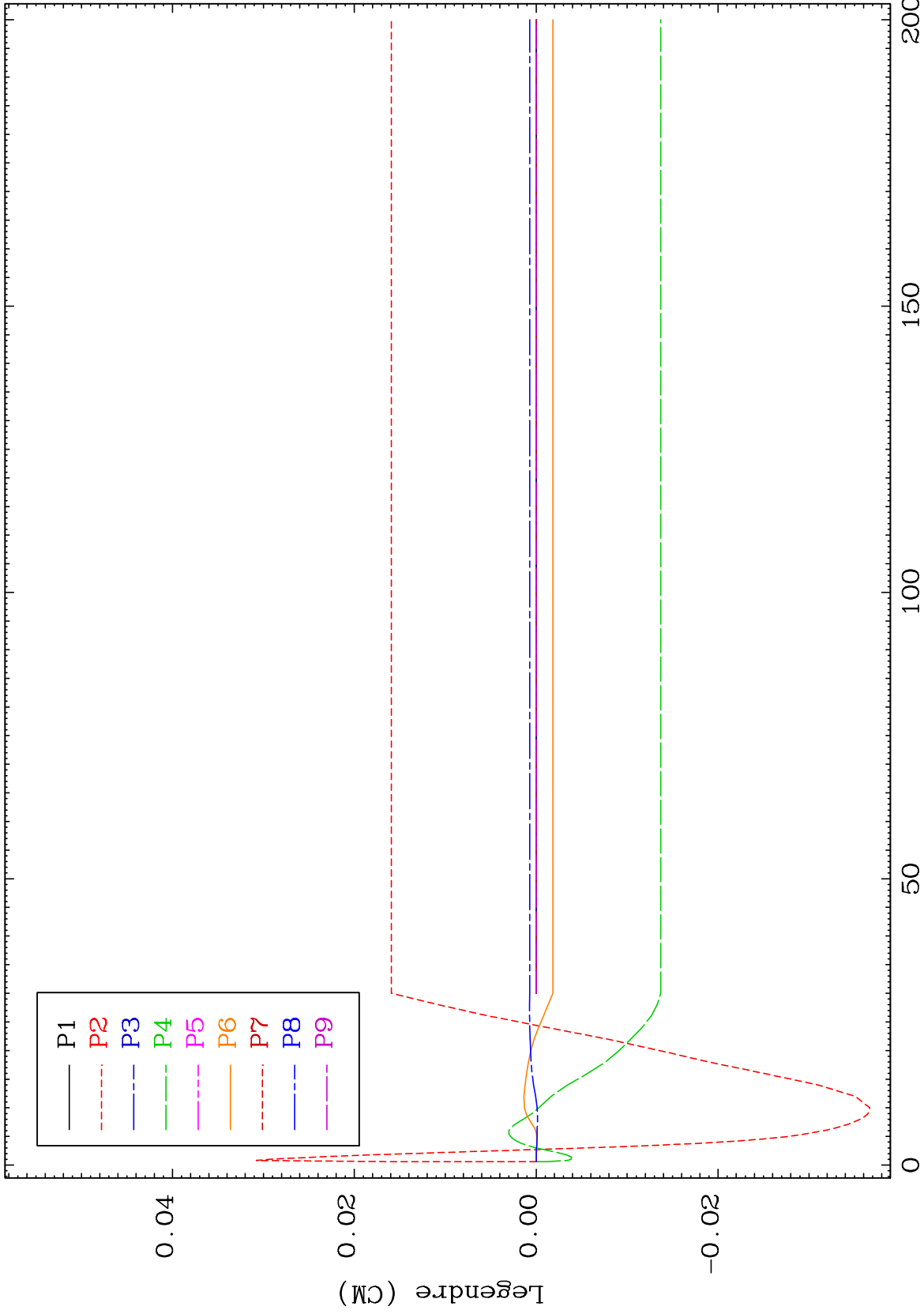
77-Ir-196



MAT 7740

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

77-Ir-196



63

Incident Energy (MeV)

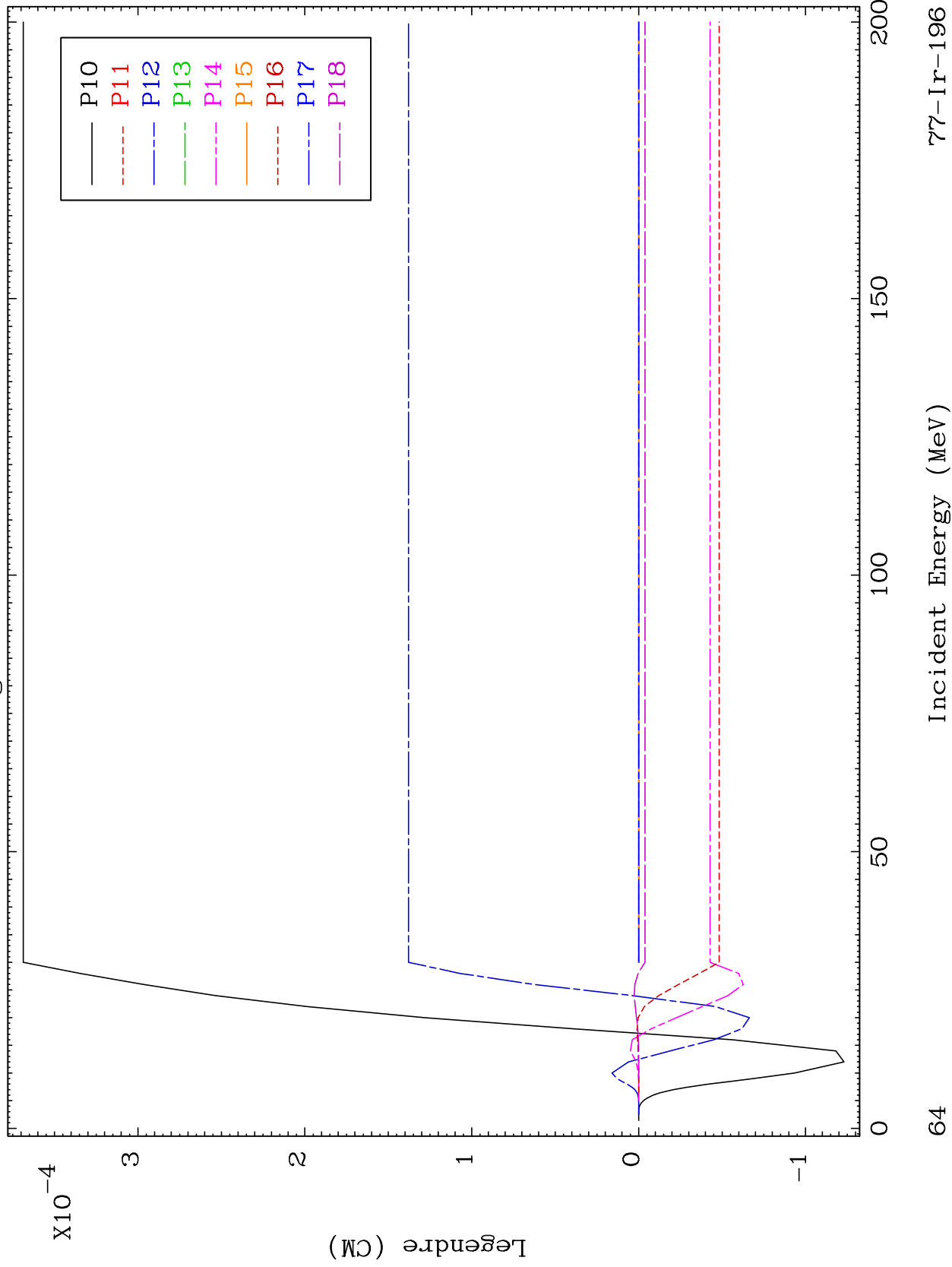
77-Ir-196



MAT 7740

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

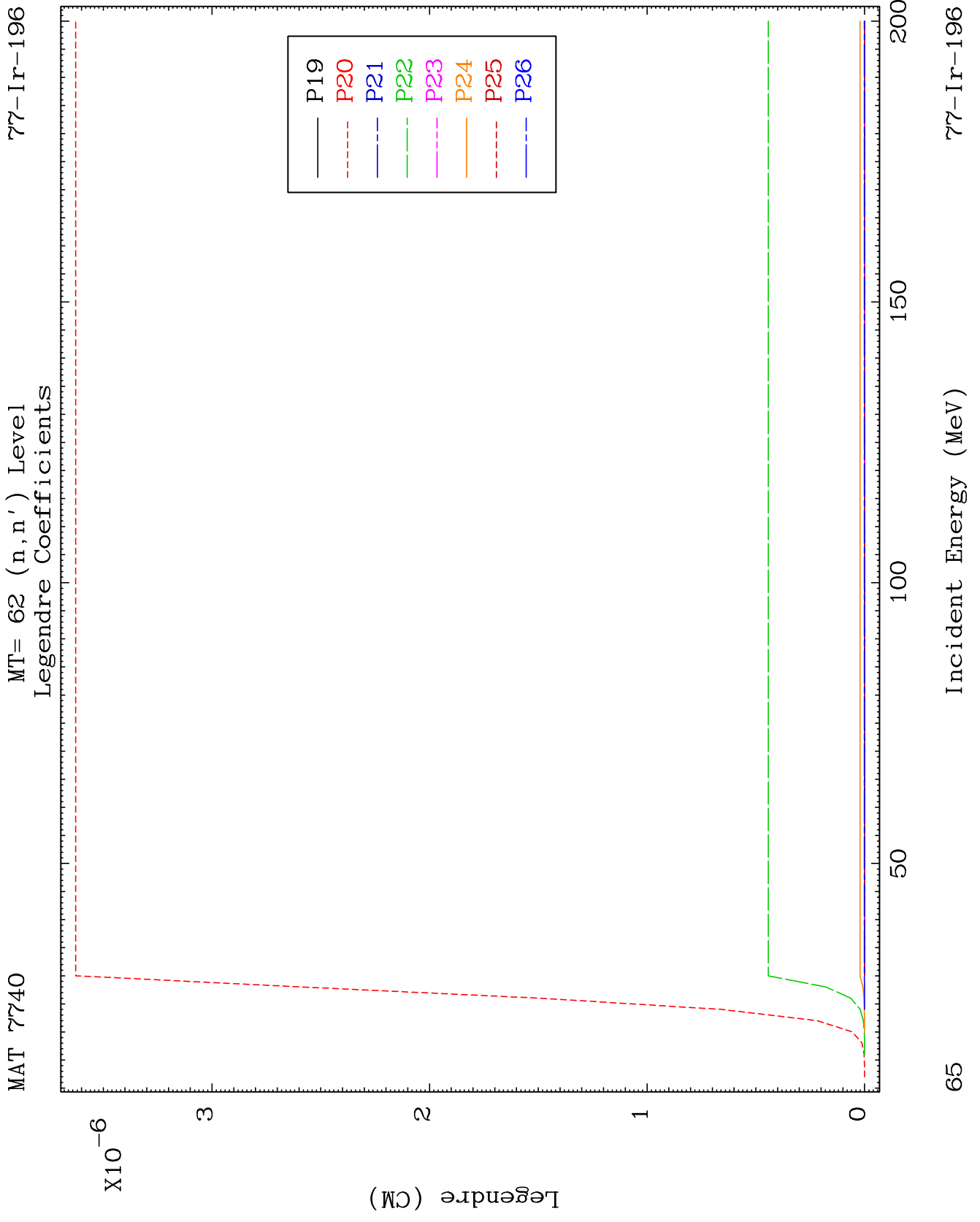
77-Ir-196



77-Ir-196

Incident Energy (MeV)

64

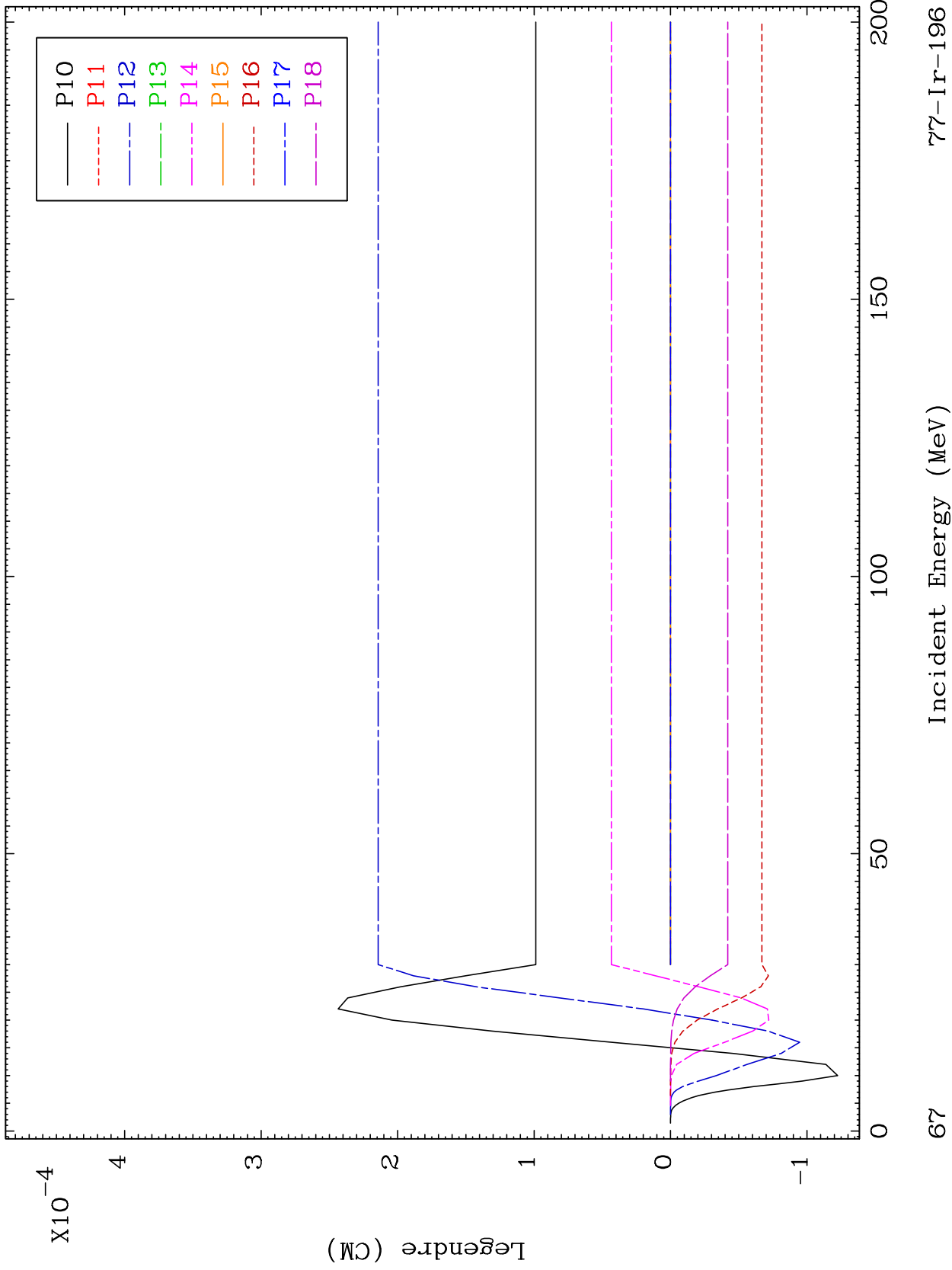




MAT 7740

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

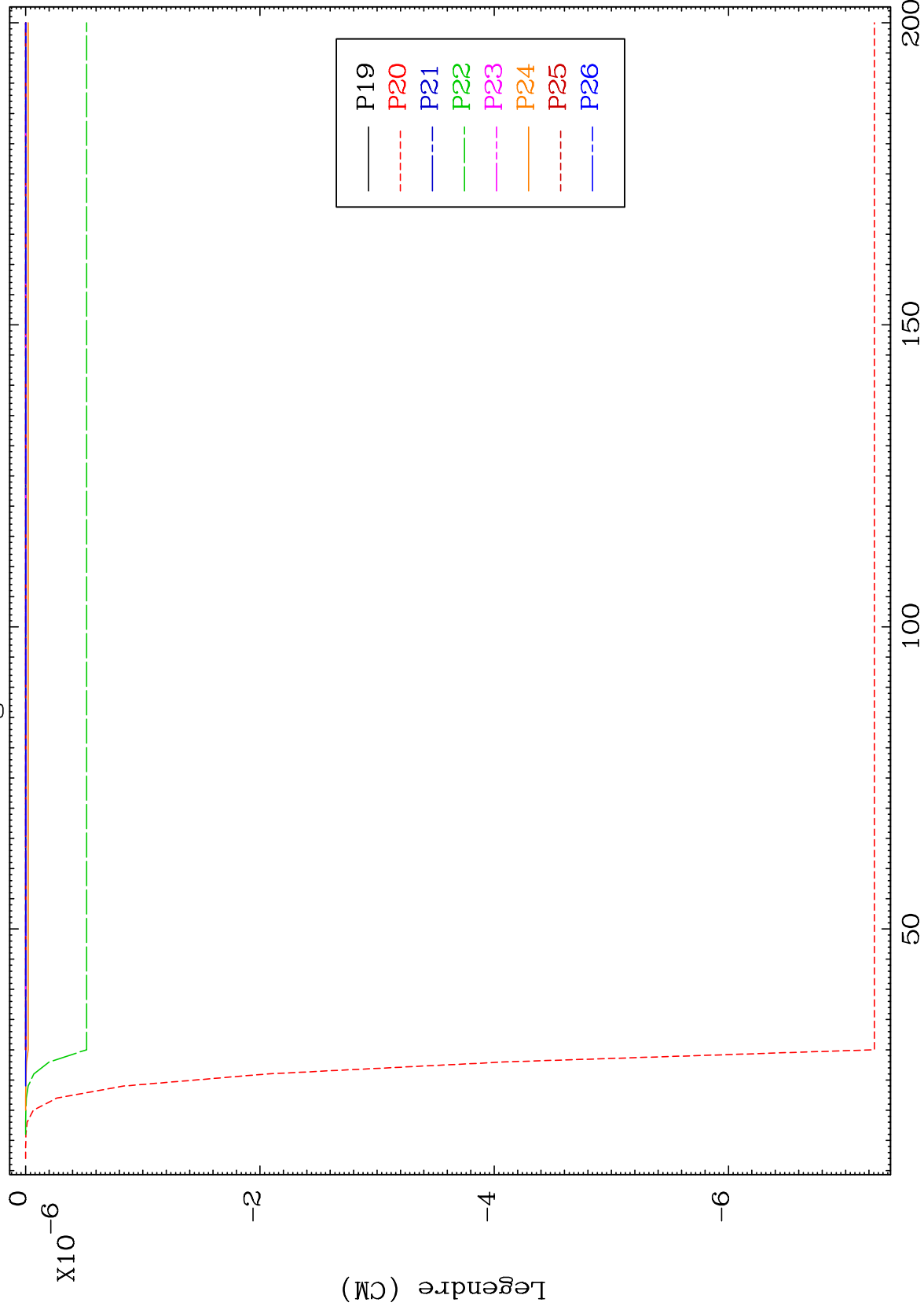
77-Ir-196



MAT 7740

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

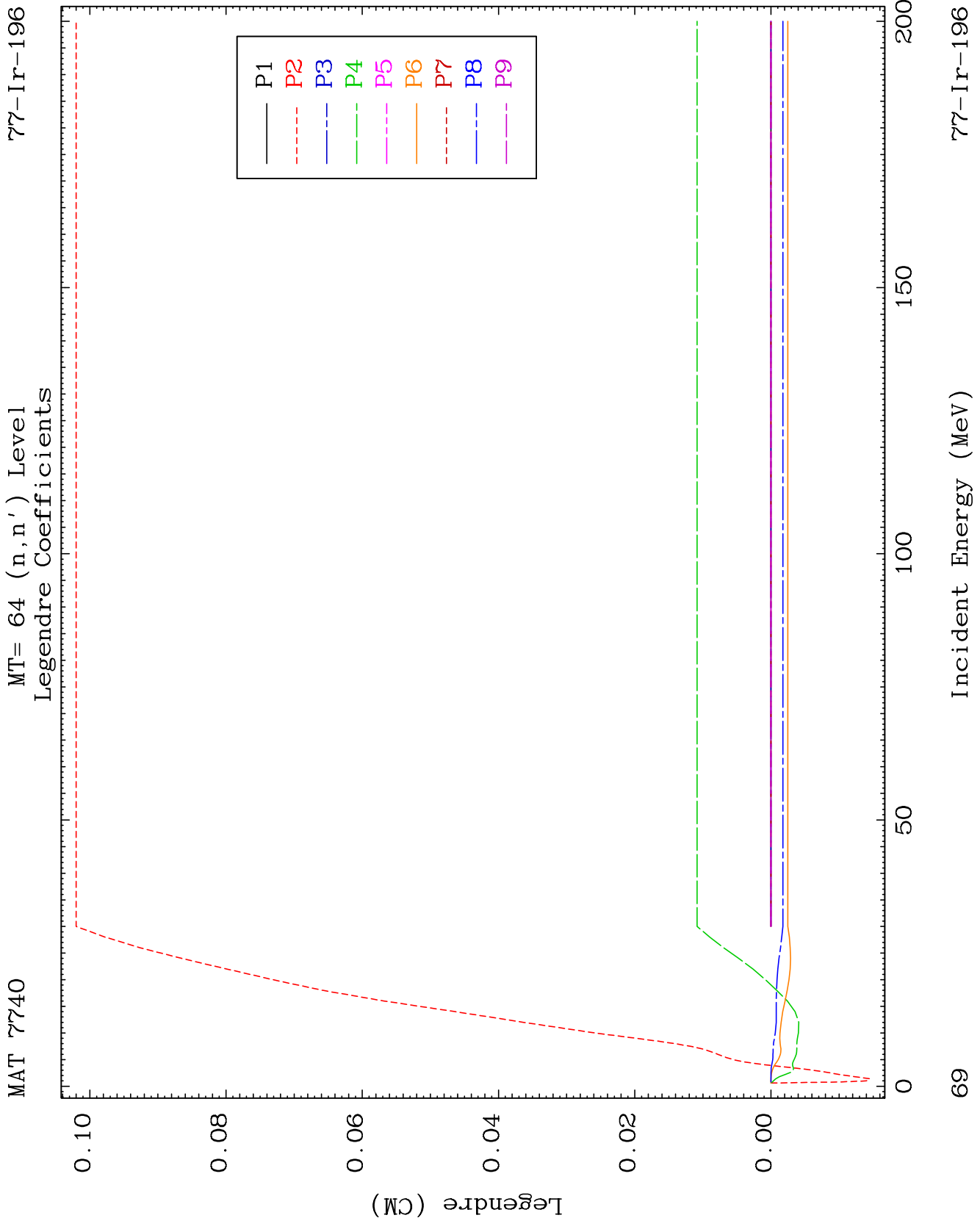
77-Ir-196



68

Incident Energy (MeV)

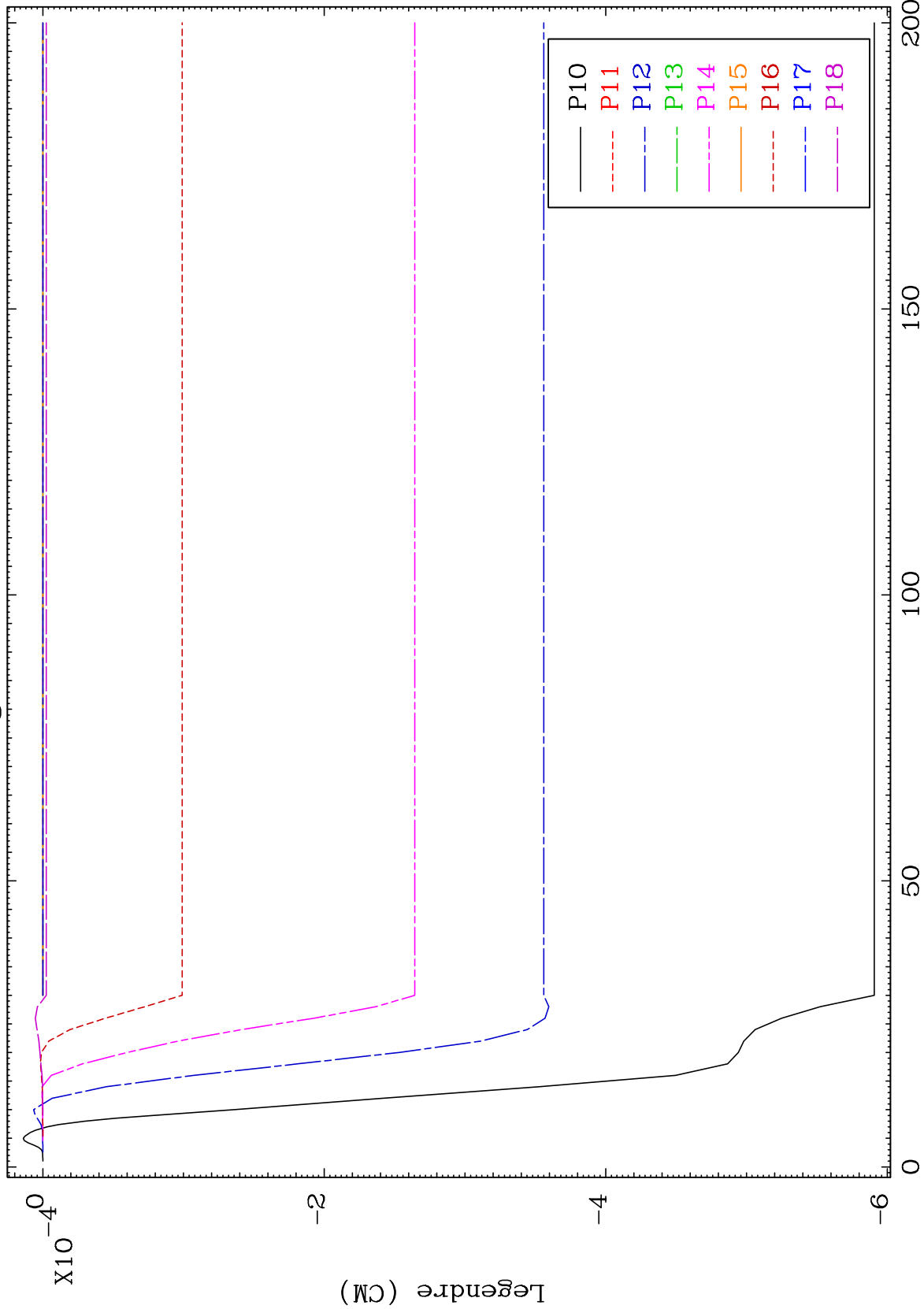
77-Ir-196



MAT 7740

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

77-Ir-196



70

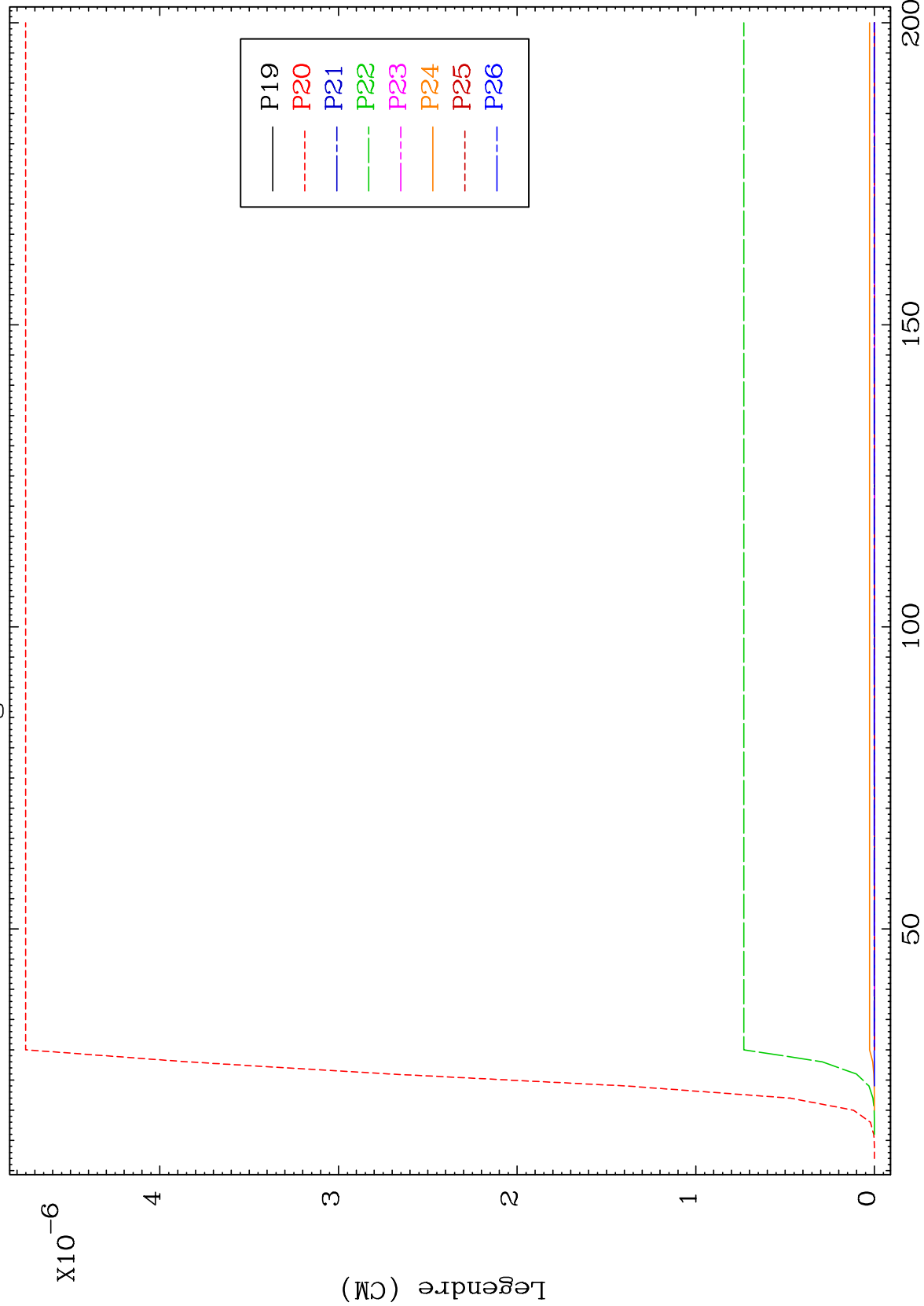
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196

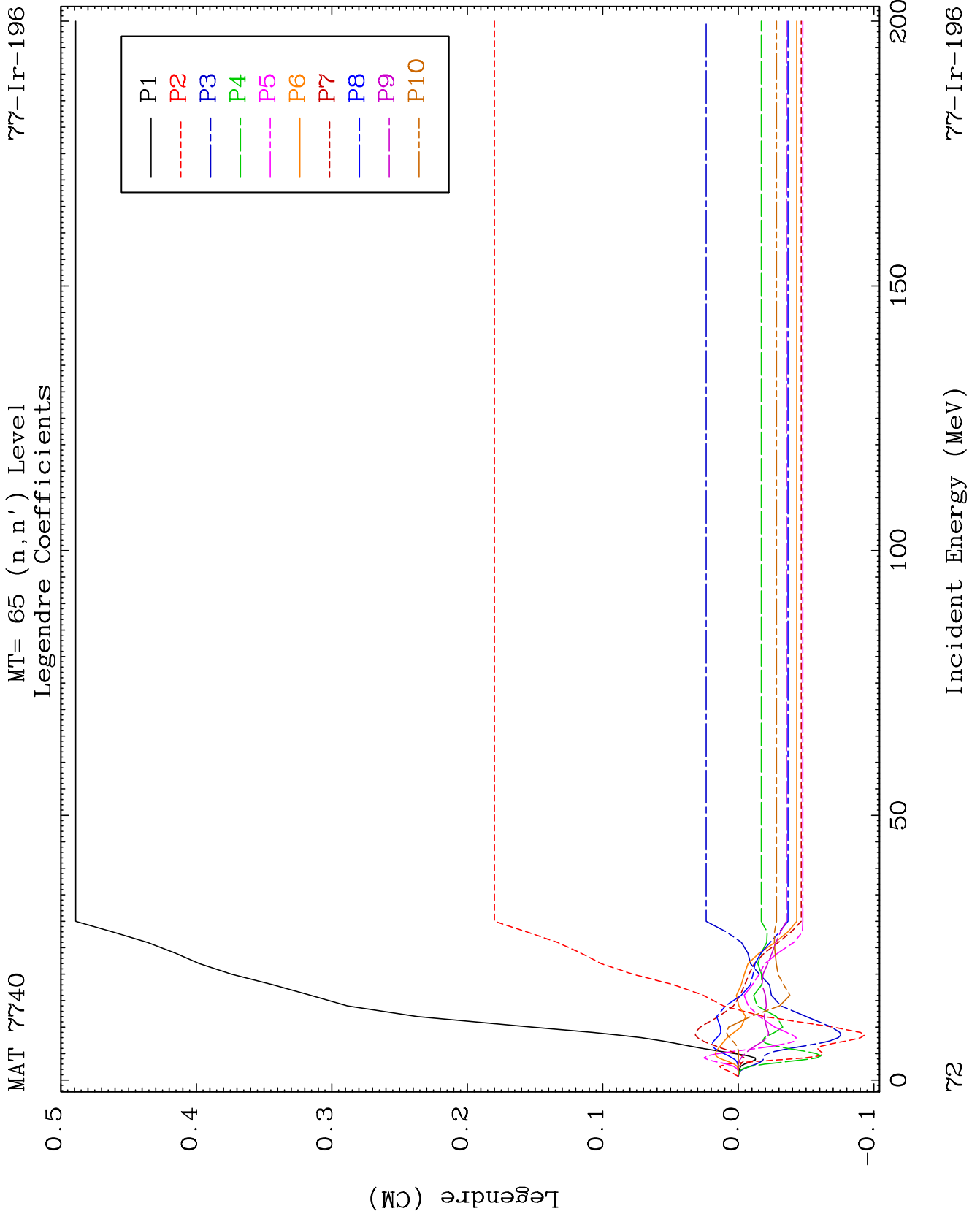


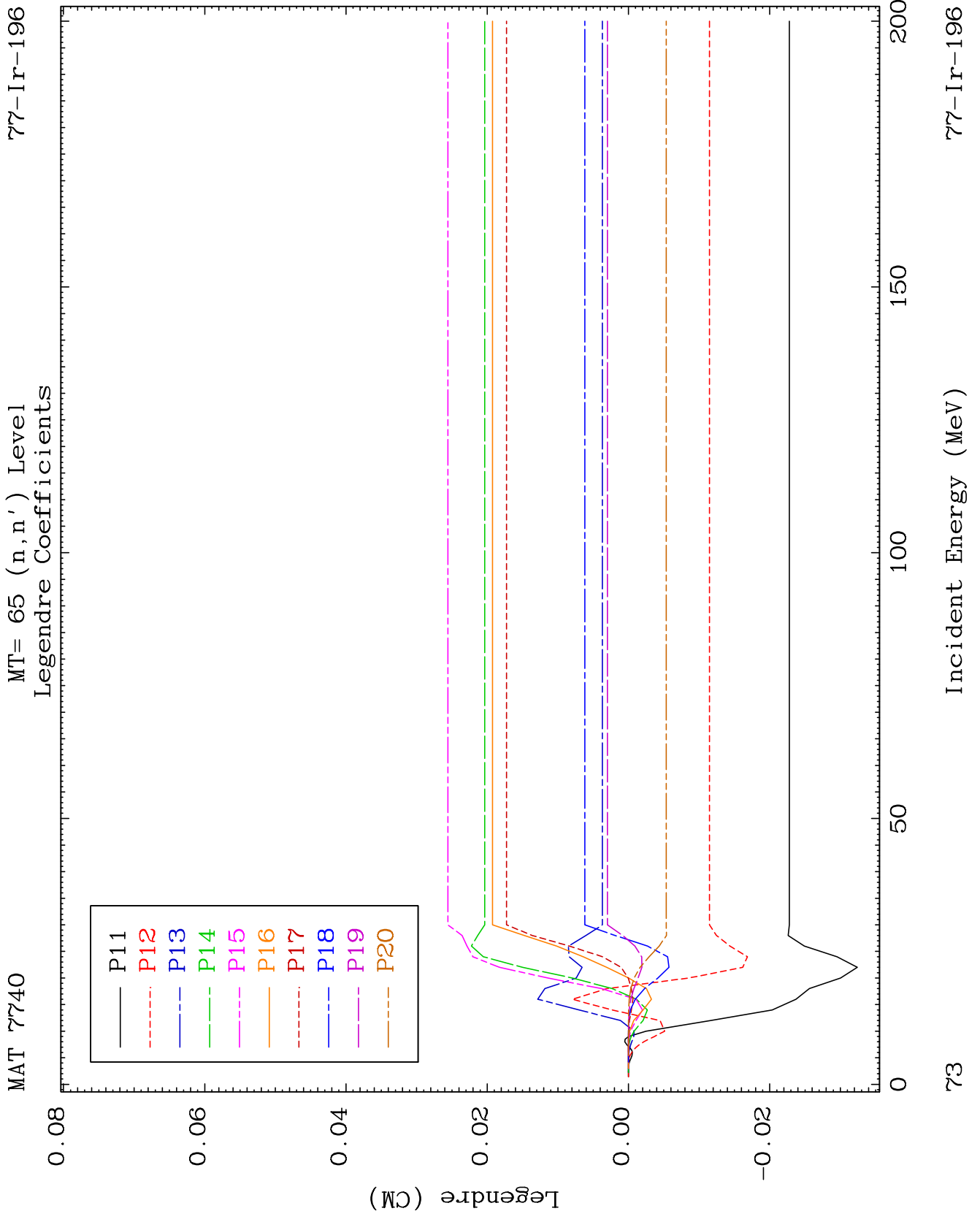
77-Ir-196

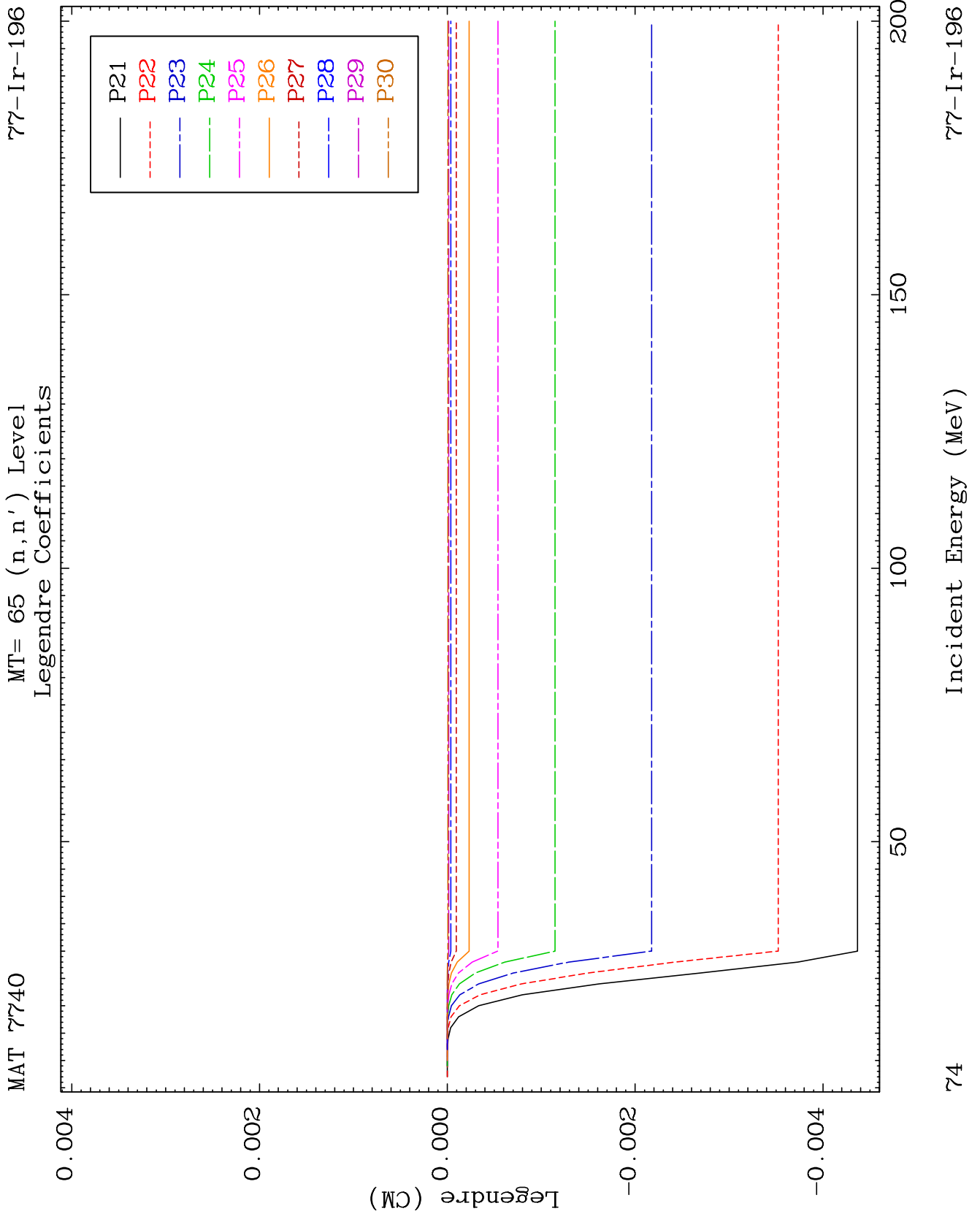
Incident Energy (MeV)

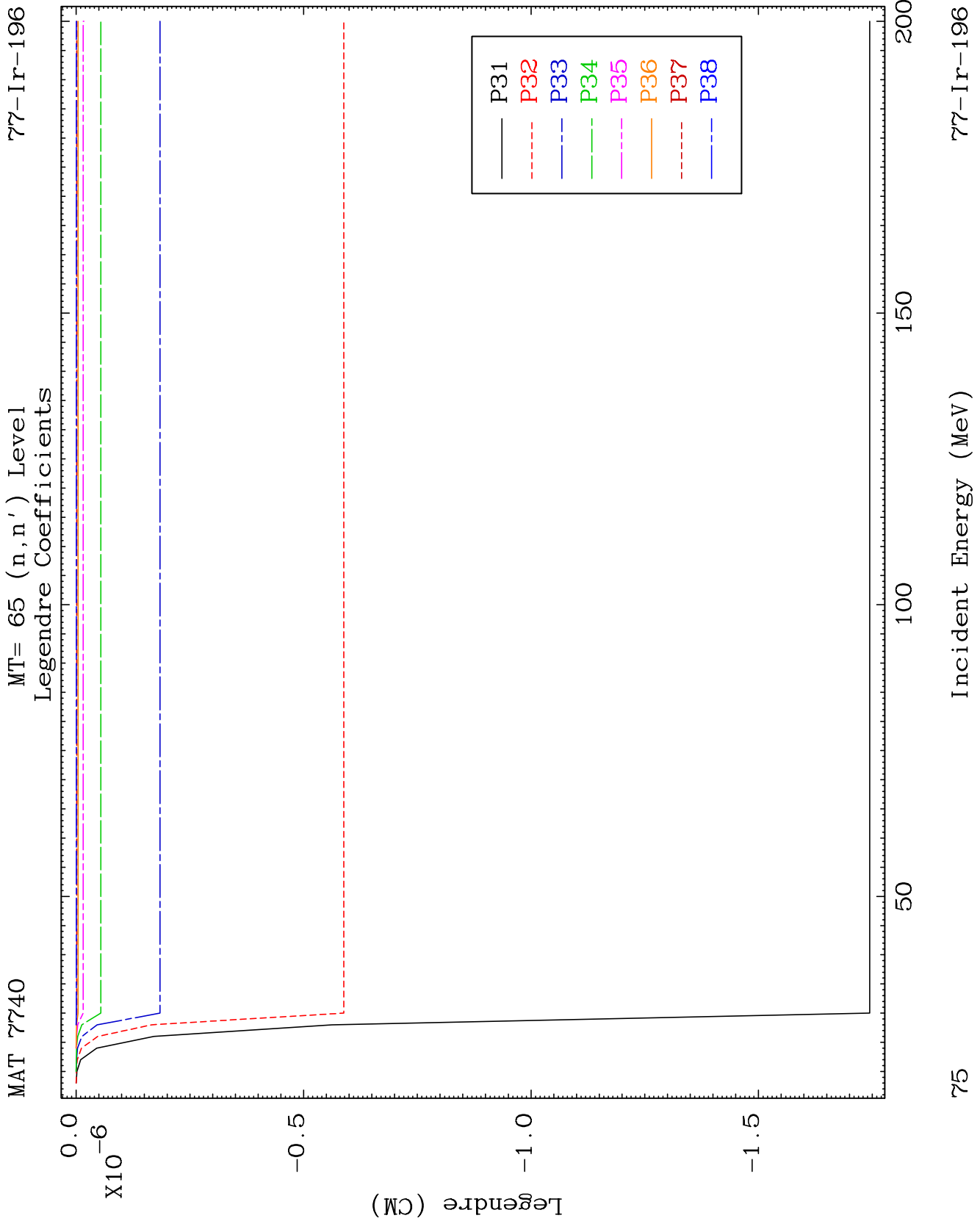
71







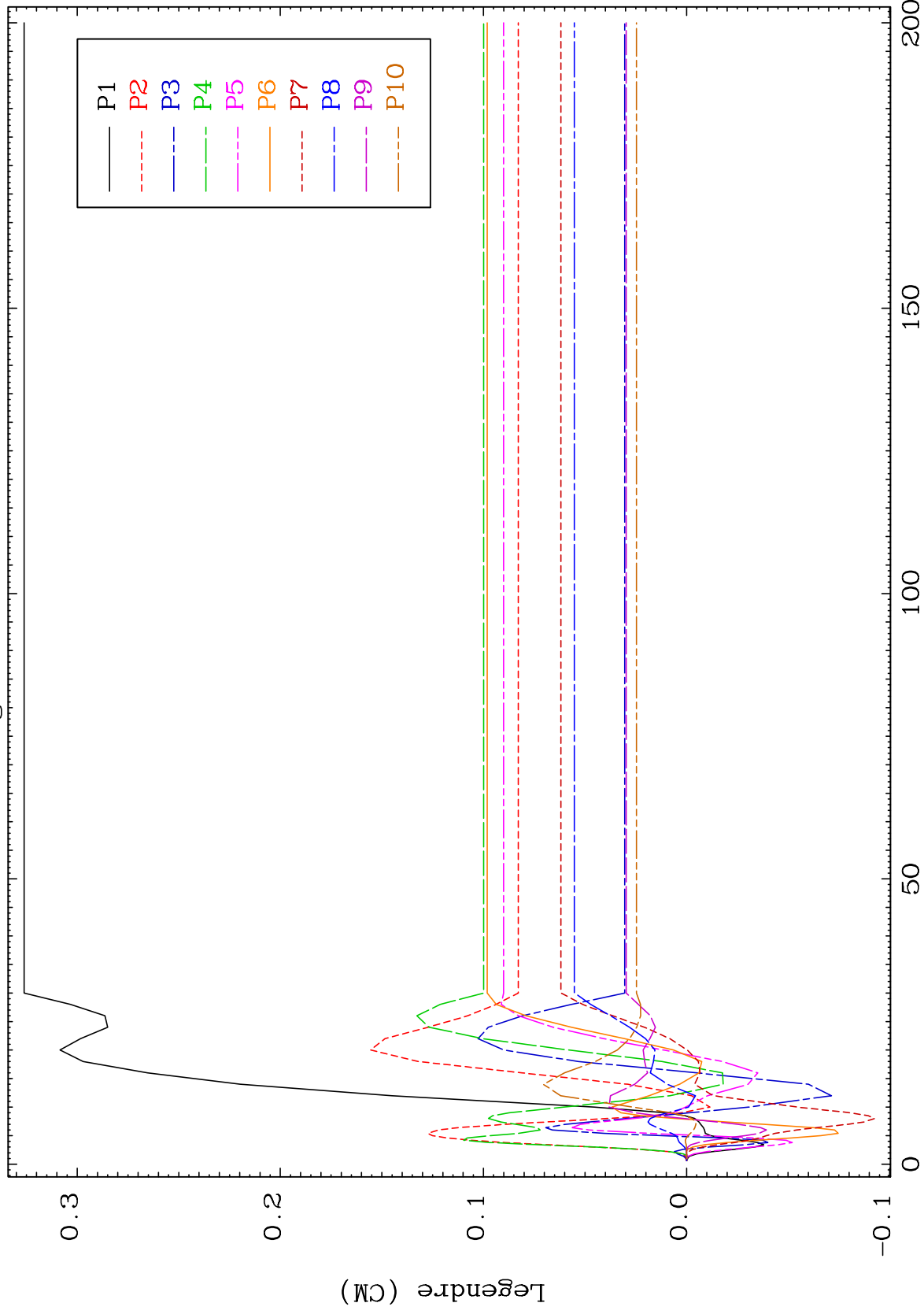




MAT 7740

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

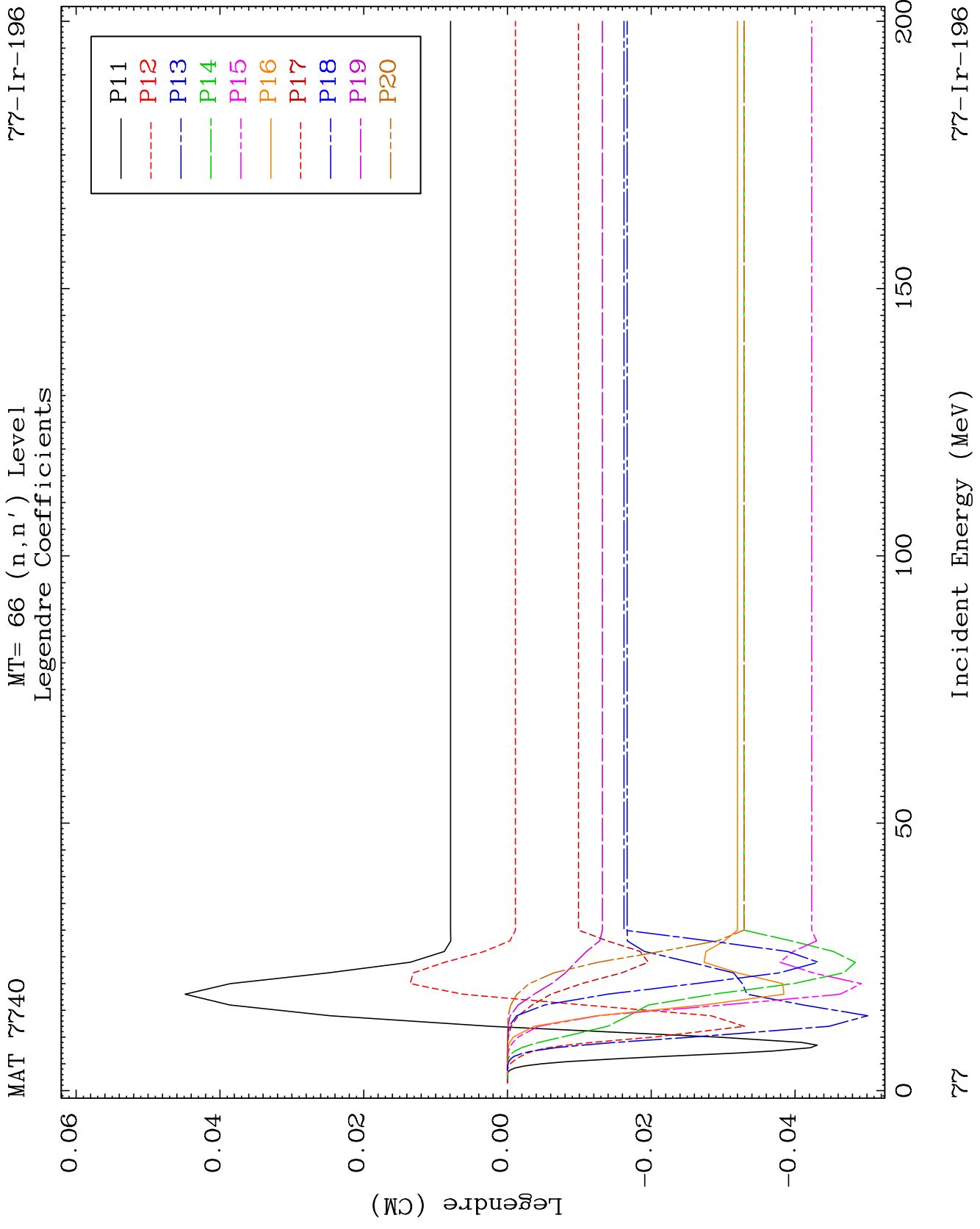
77-Ir-196



76

Incident Energy (MeV)

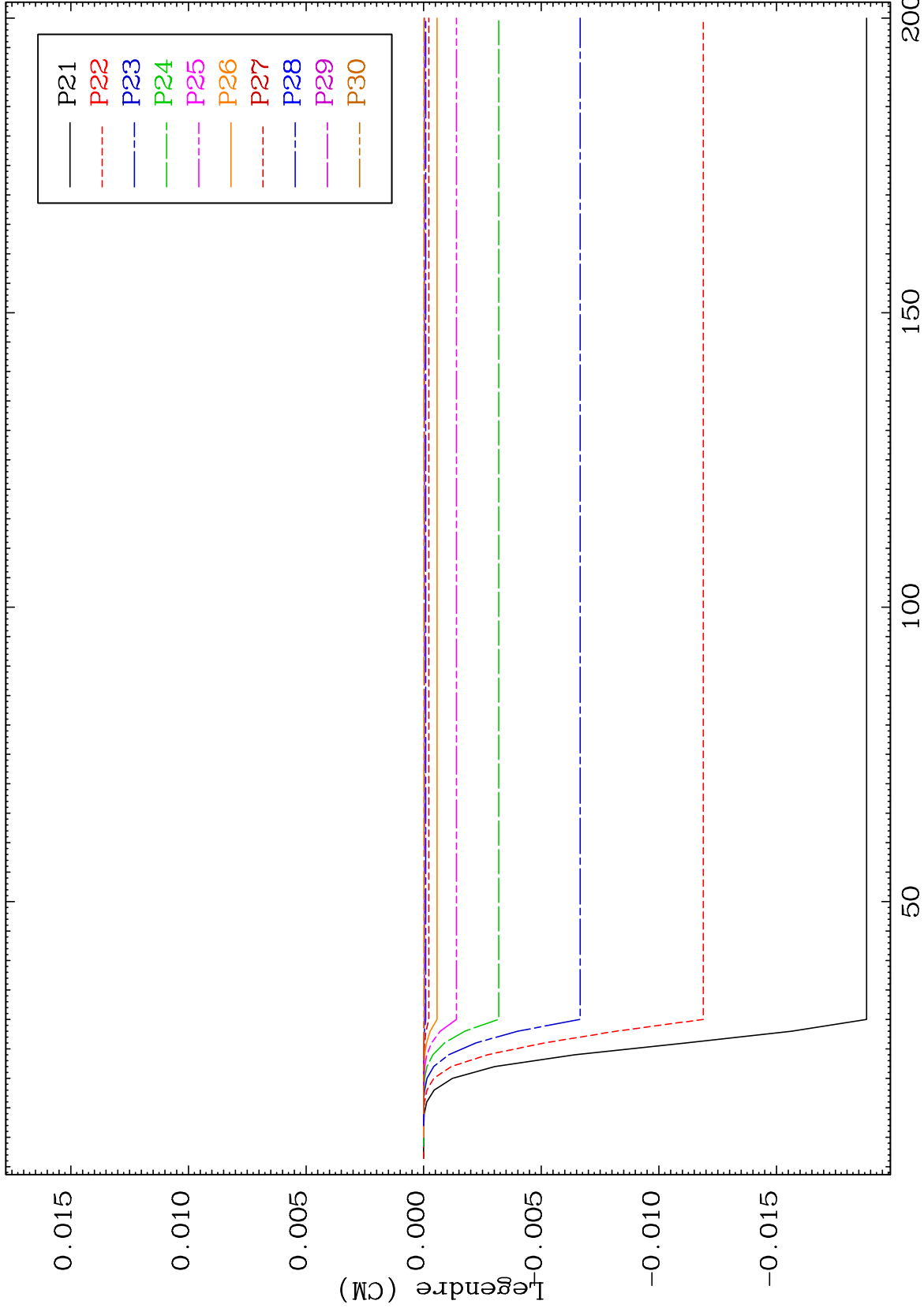
77-Ir-196



MAT 7740

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

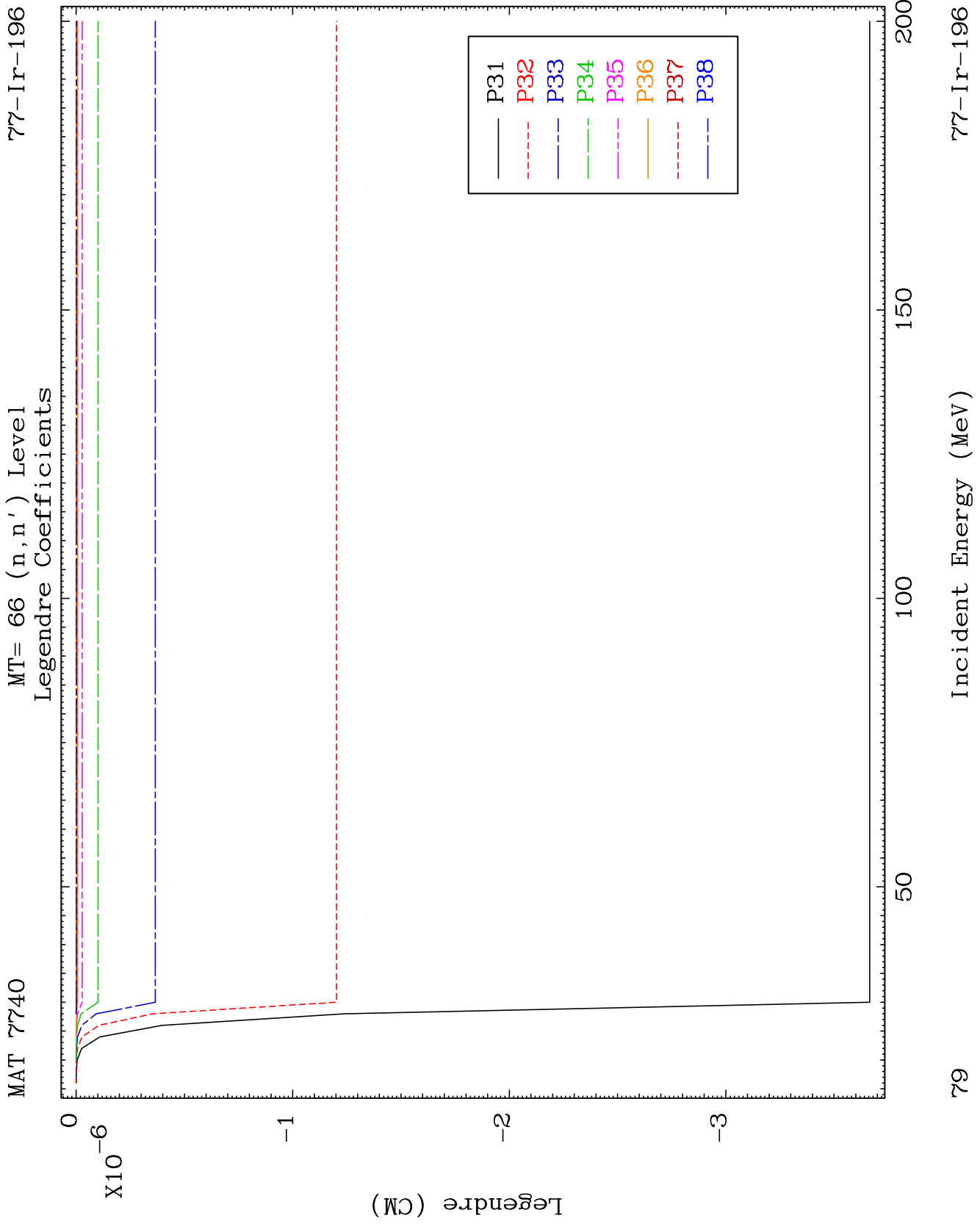
77-Ir-196



78

Incident Energy (MeV)

77-Ir-196

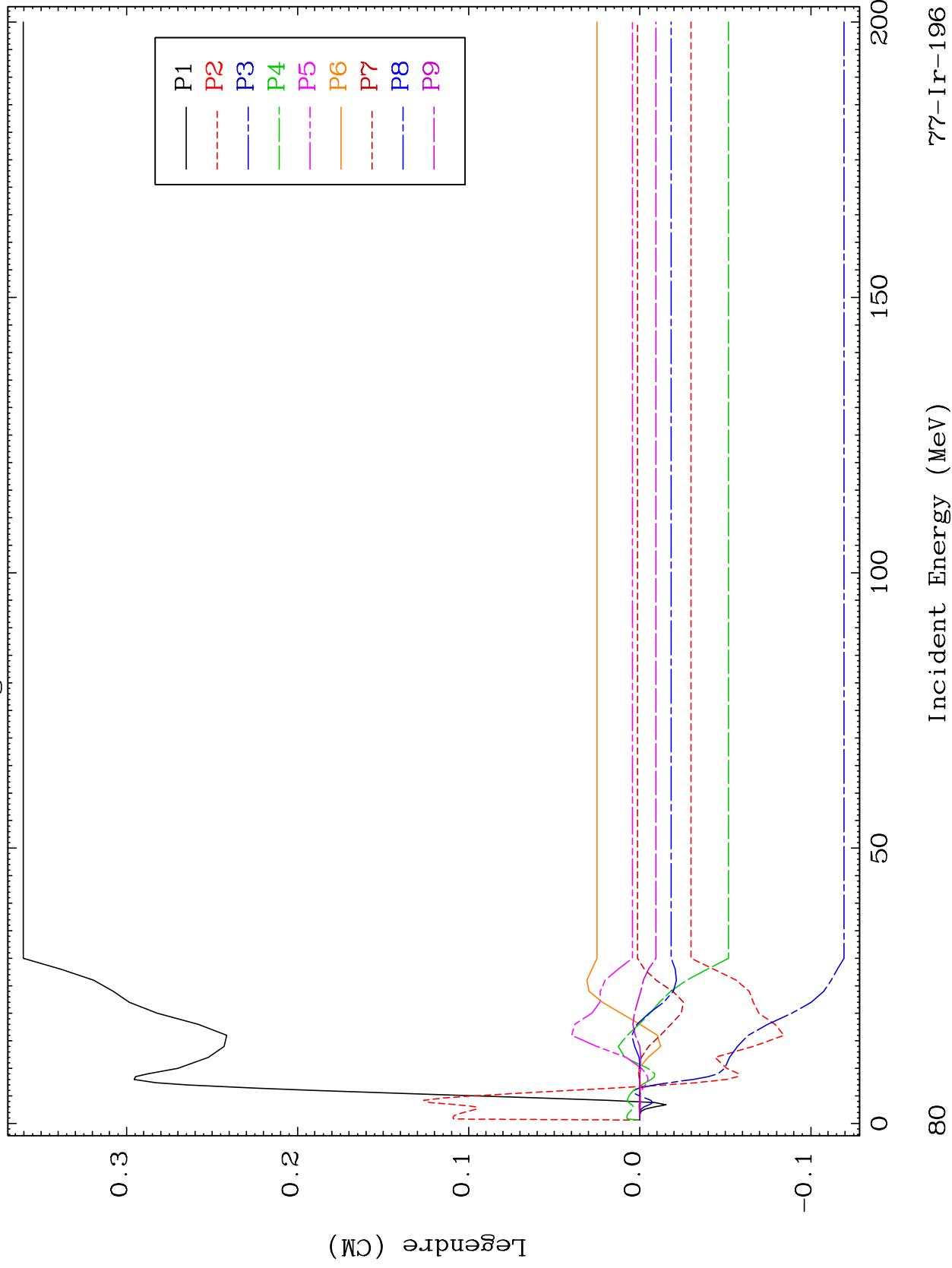




MAT 7740

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

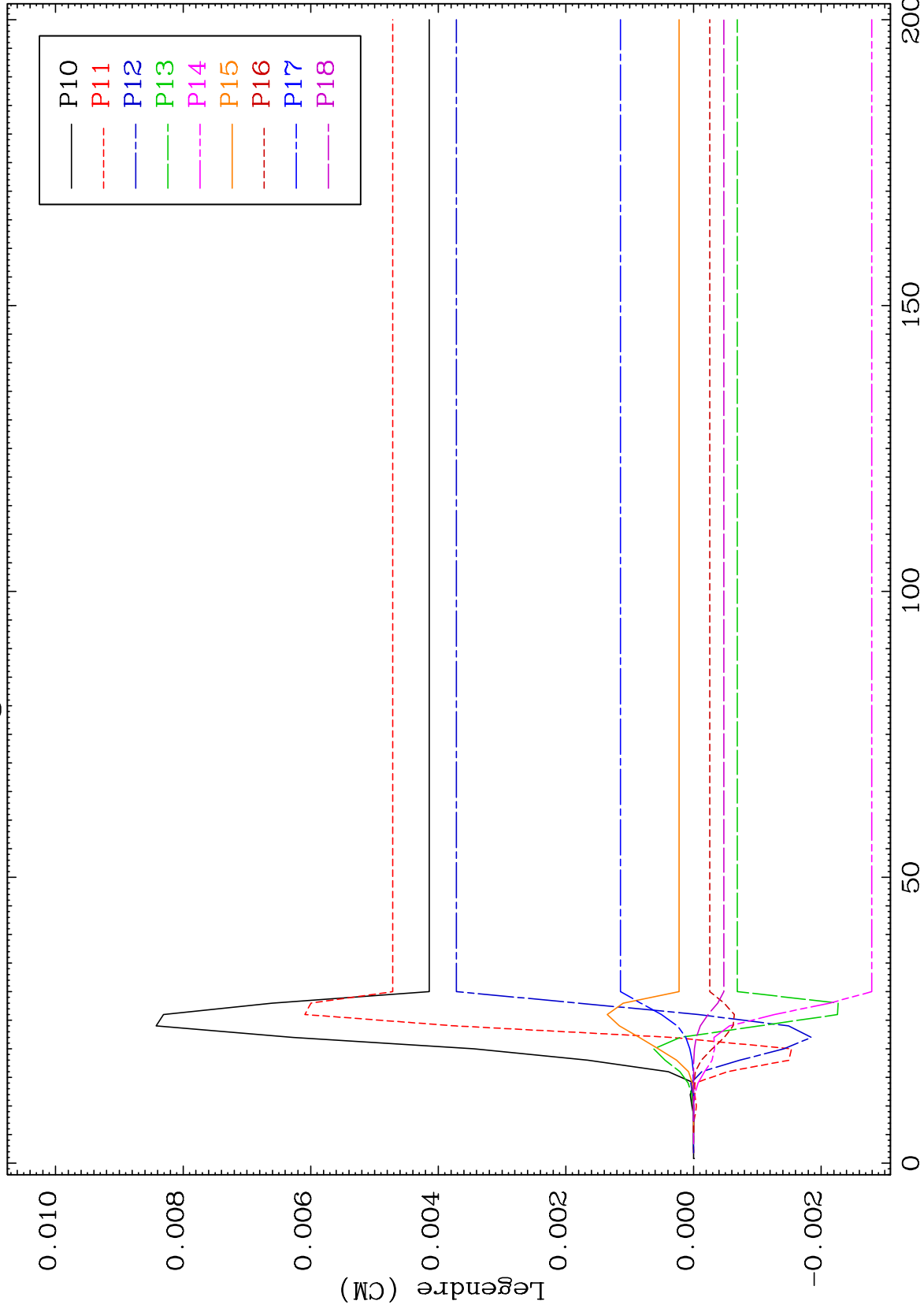
77-Ir-196



MAT 7740

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

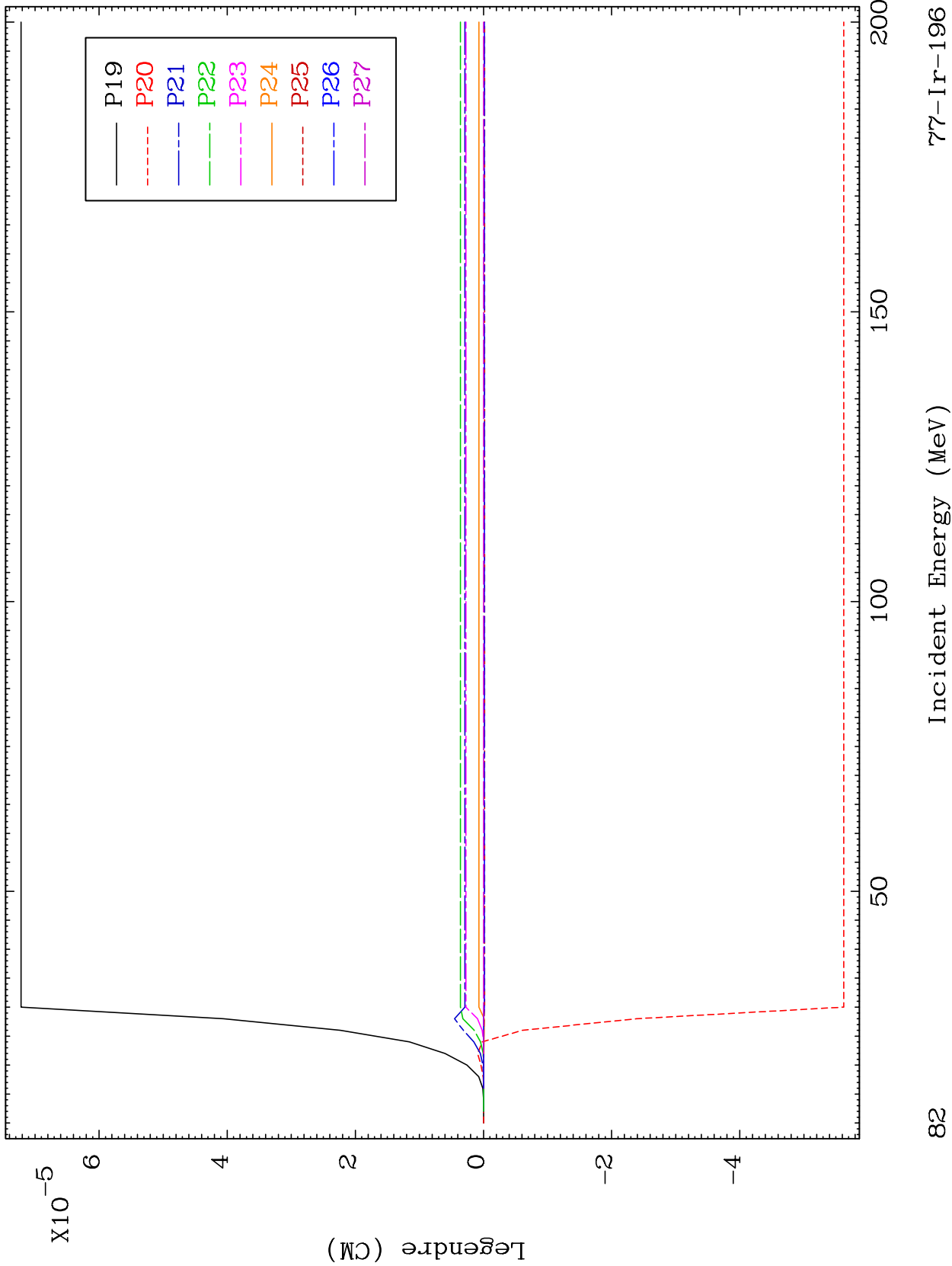
77-Ir-196

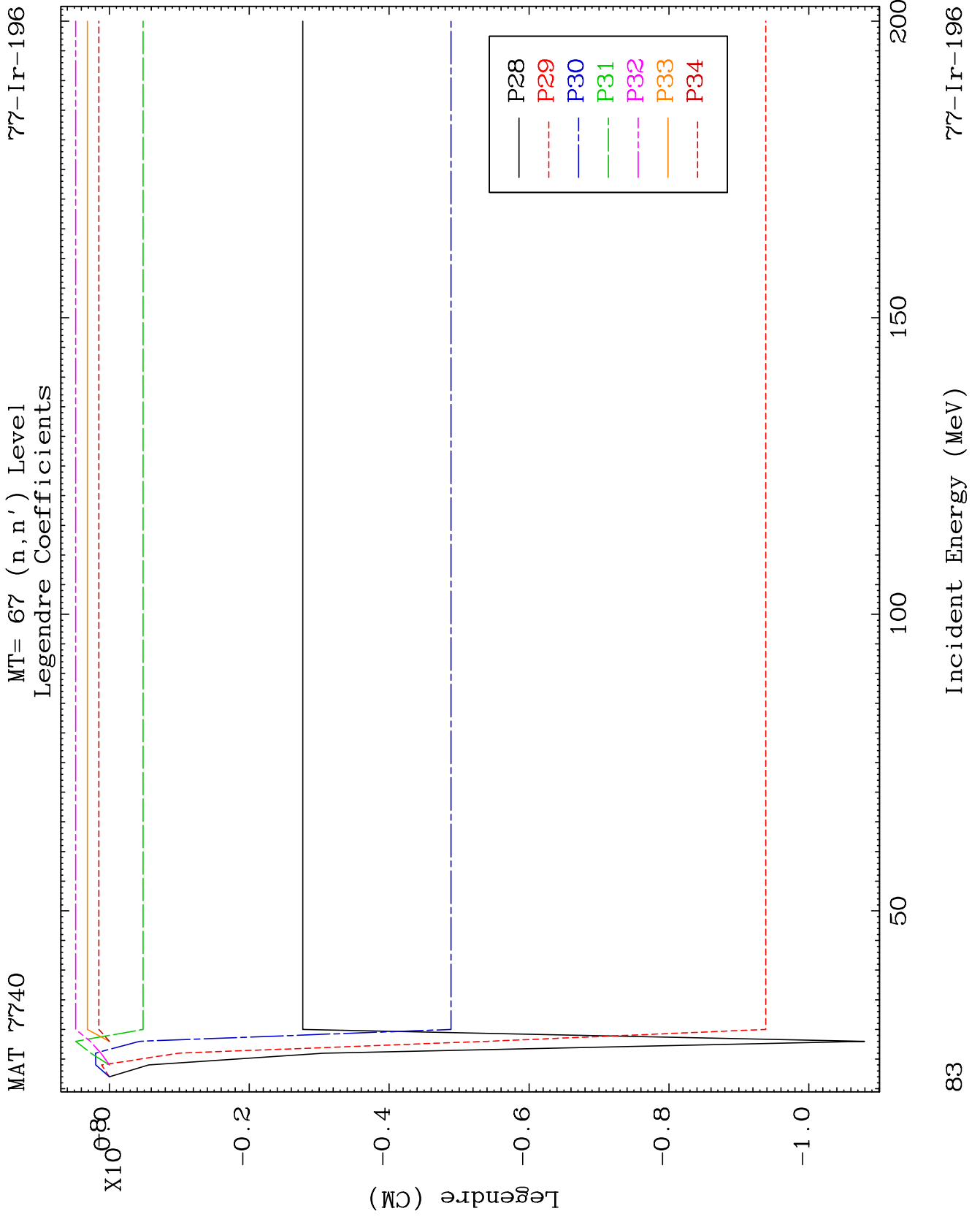


81

Incident Energy (MeV)

77-Ir-196

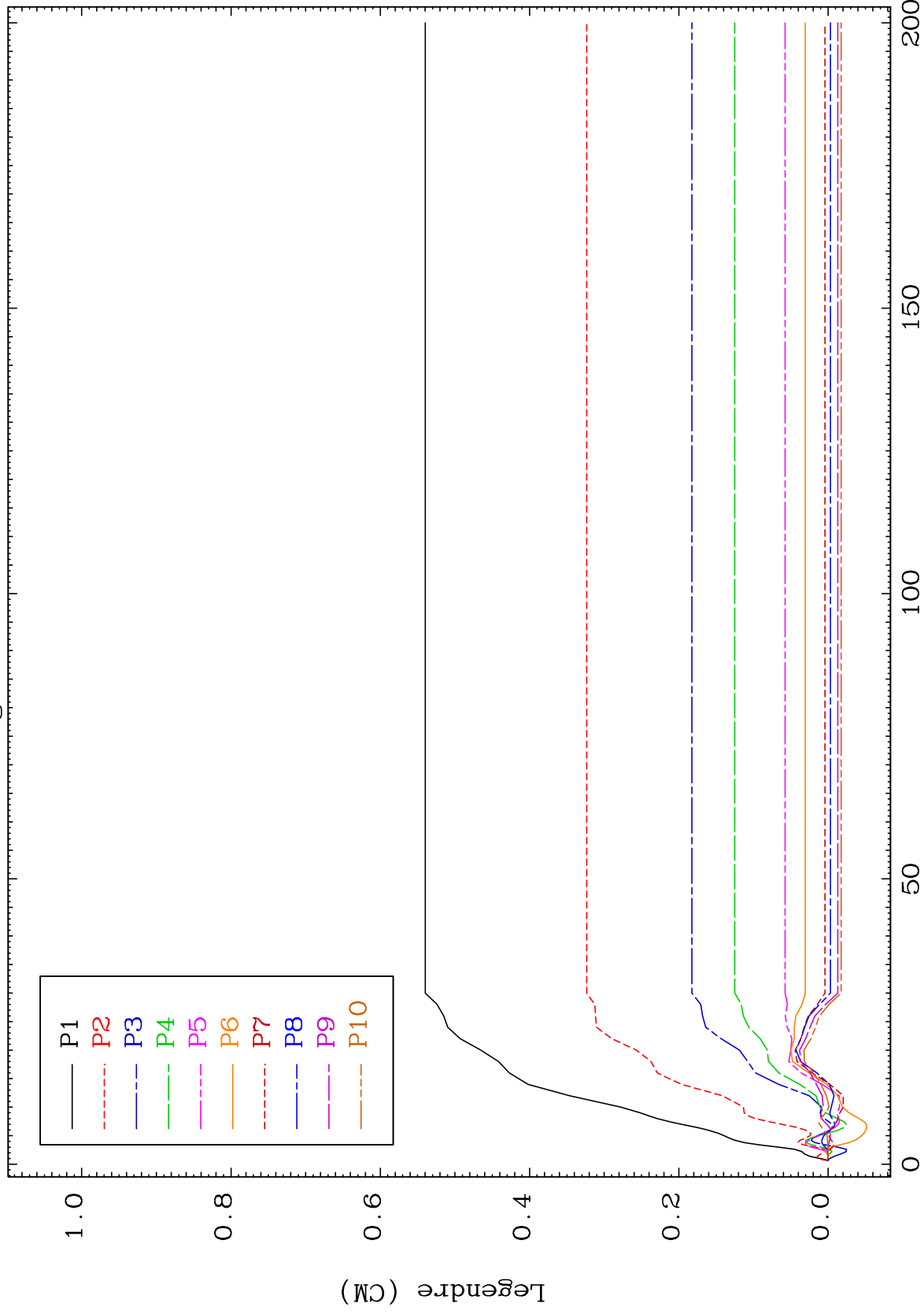




MAT 7740

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

77-Ir-196



84

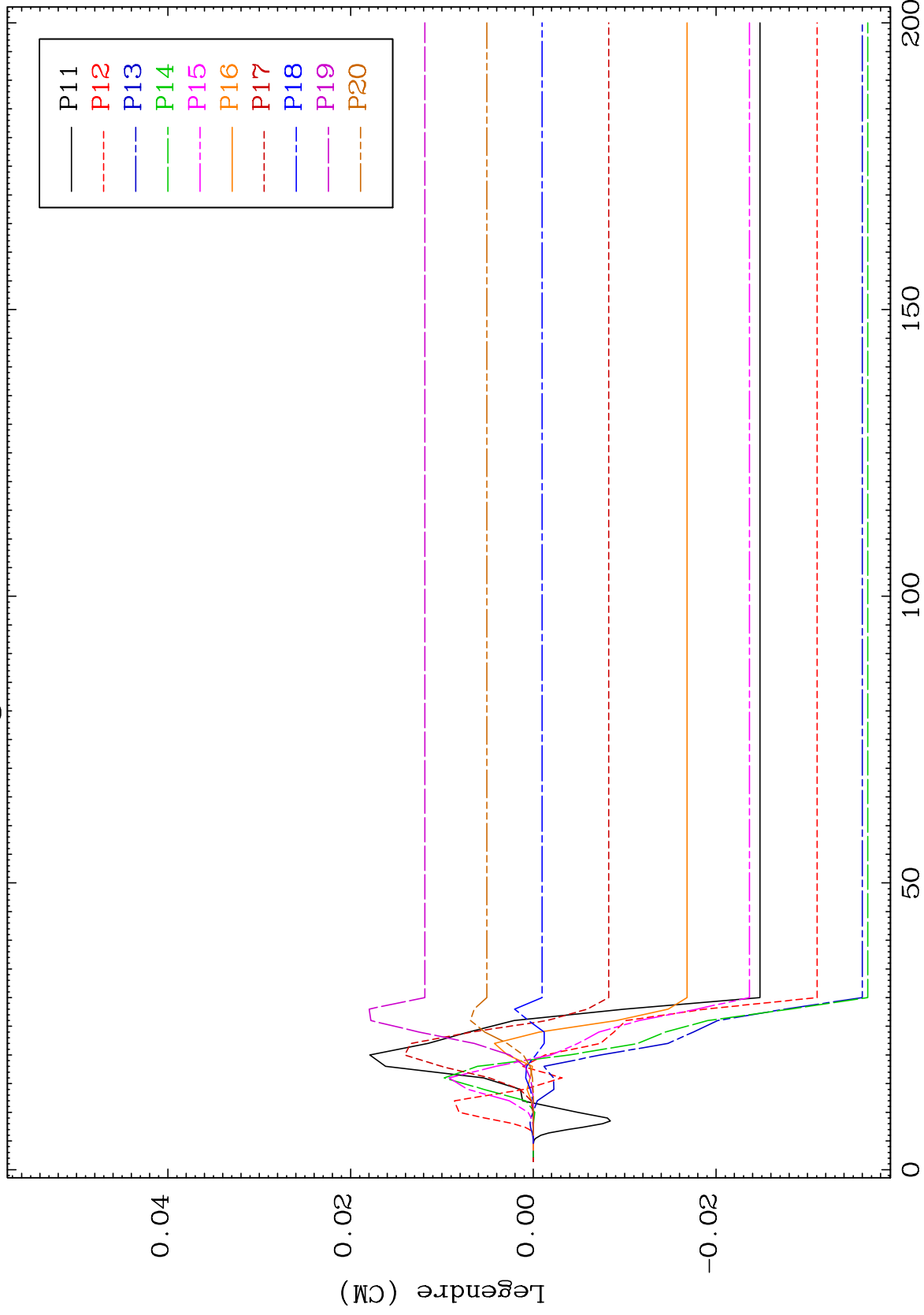
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

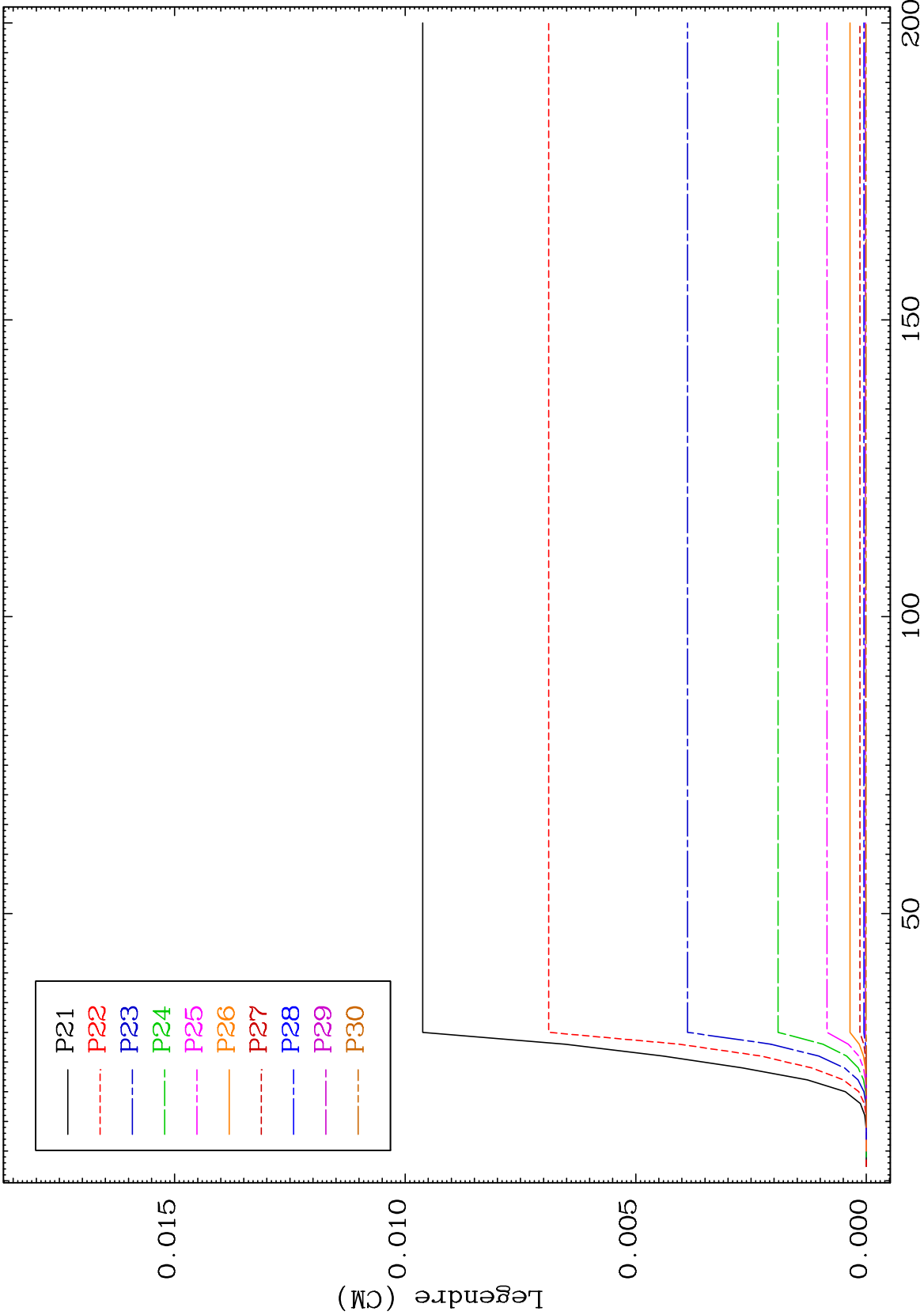
77-Ir-196



85

Incident Energy (MeV)

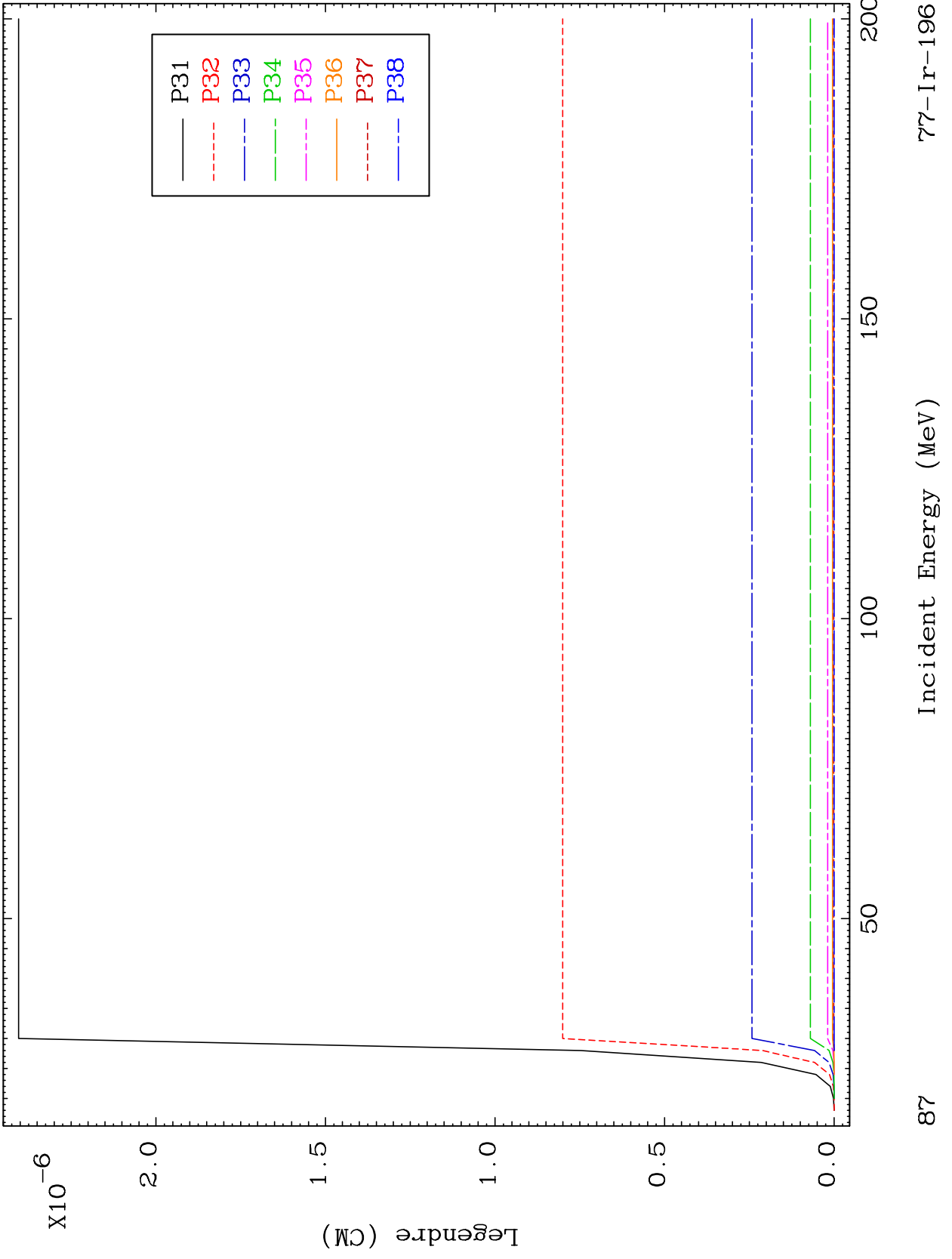
77-Ir-196



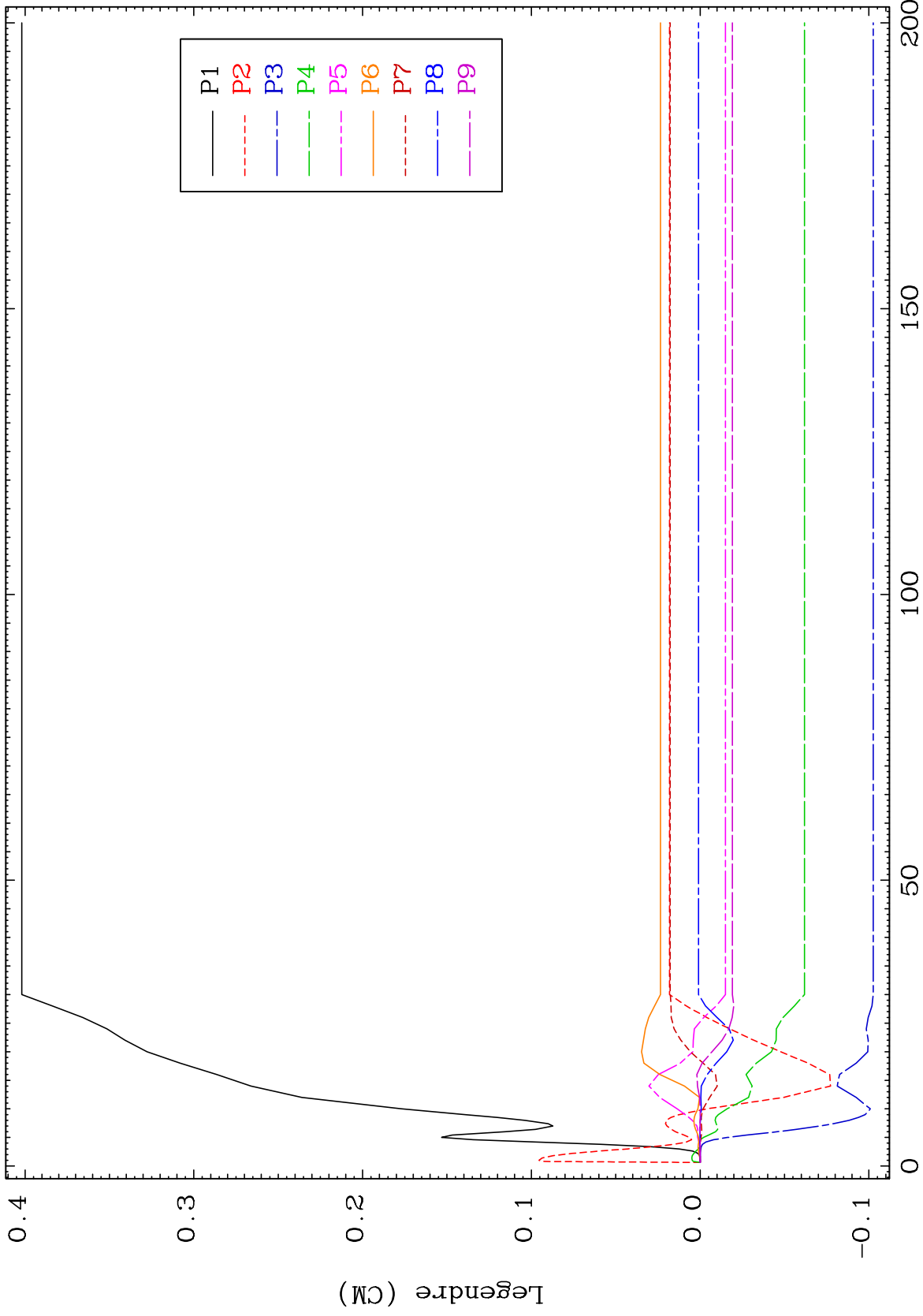
MAT 7740

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

77-Ir-196



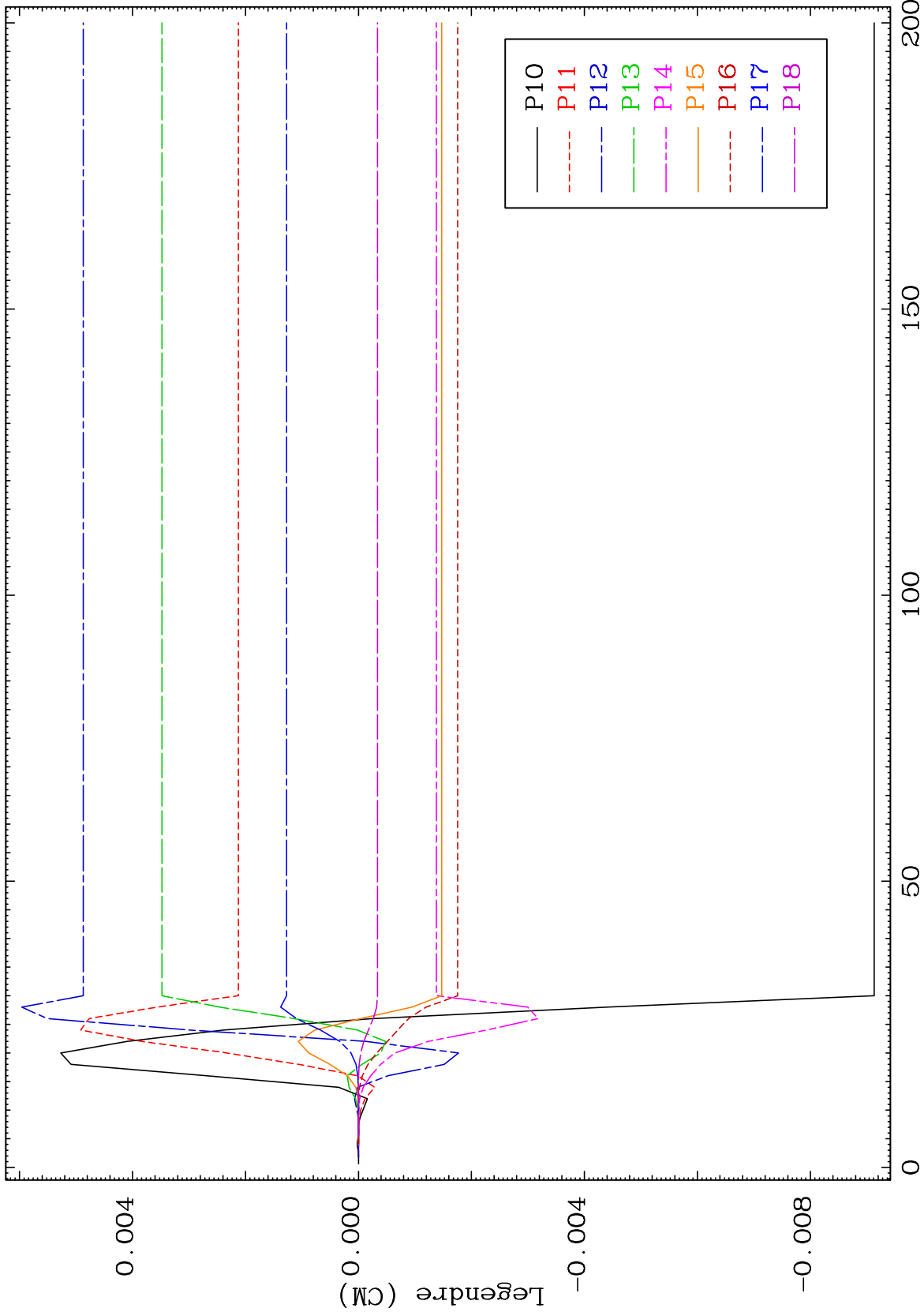




MAT 7740

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

77-Ir-196



89

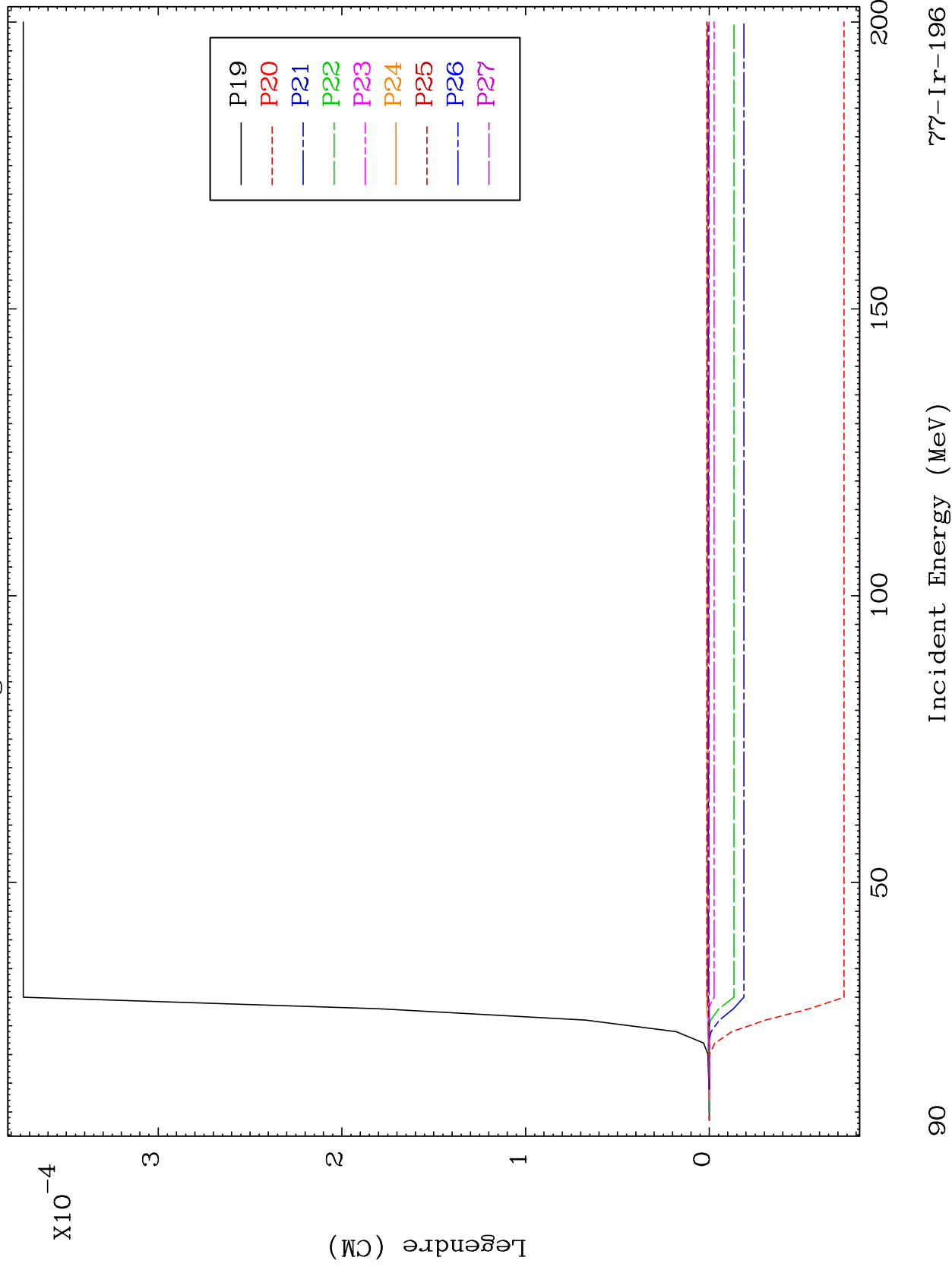
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

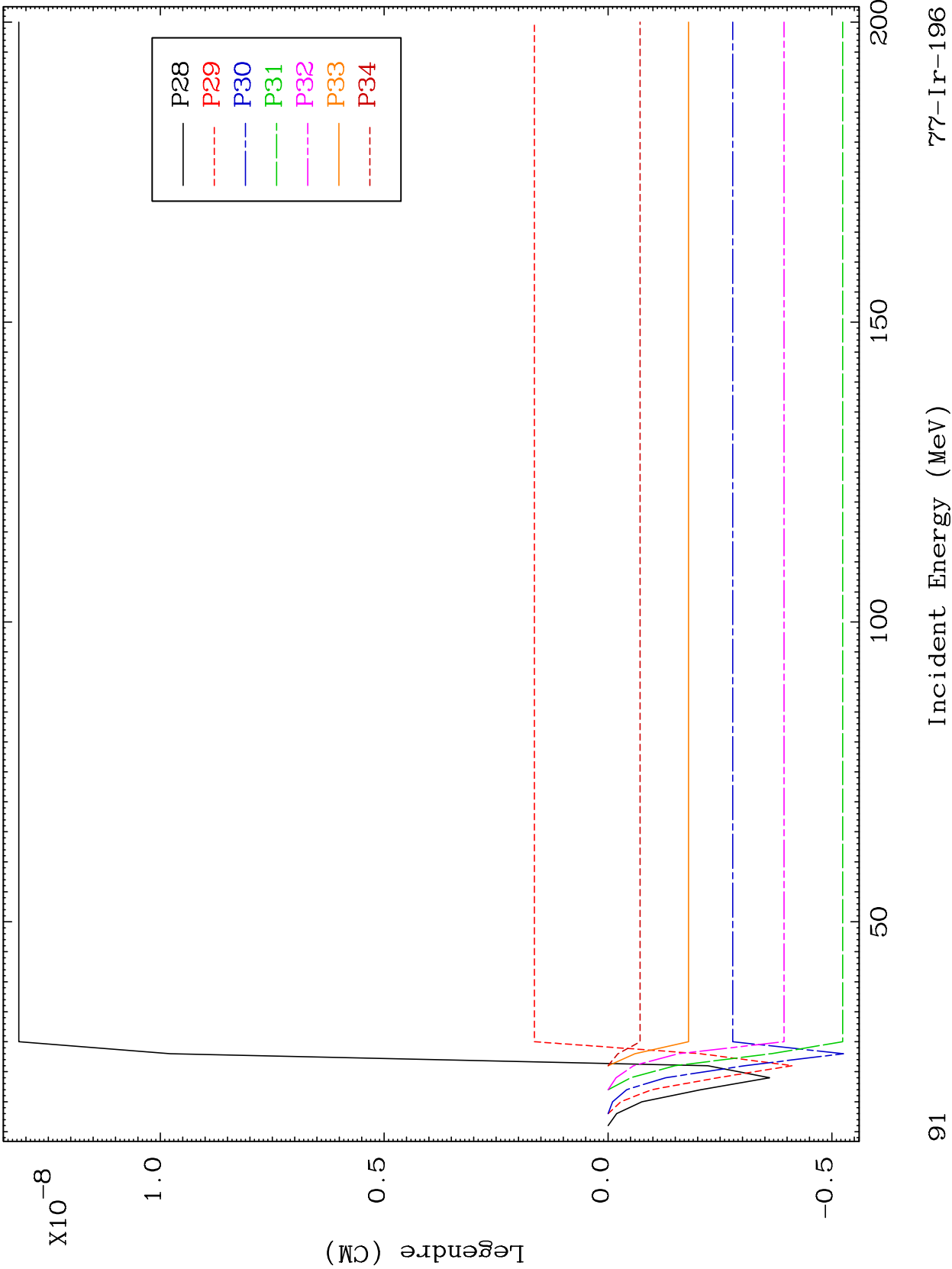
77-Ir-196



90

Incident Energy (MeV)

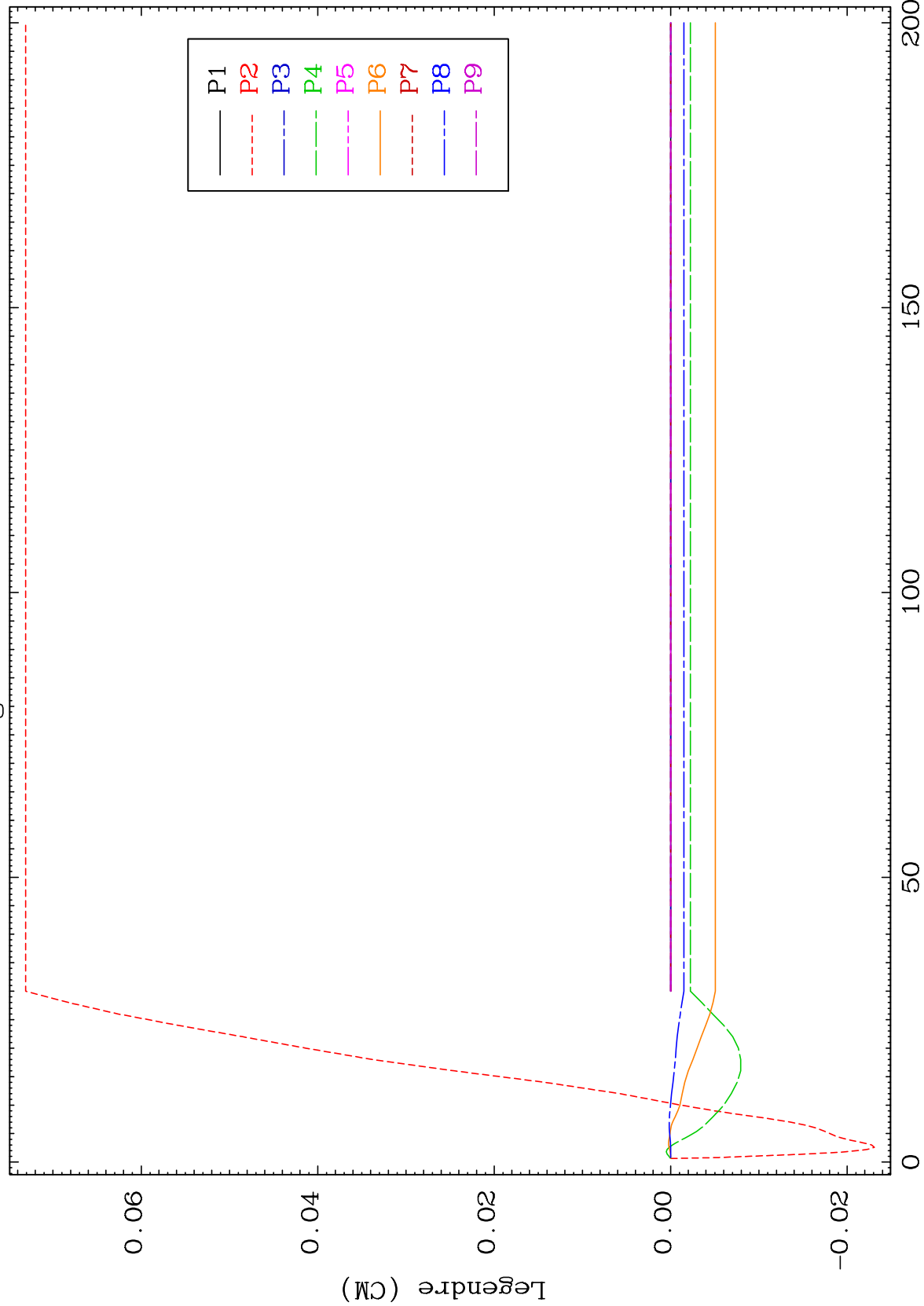
77-Ir-196



MAT 7740

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

77-Ir-196



92

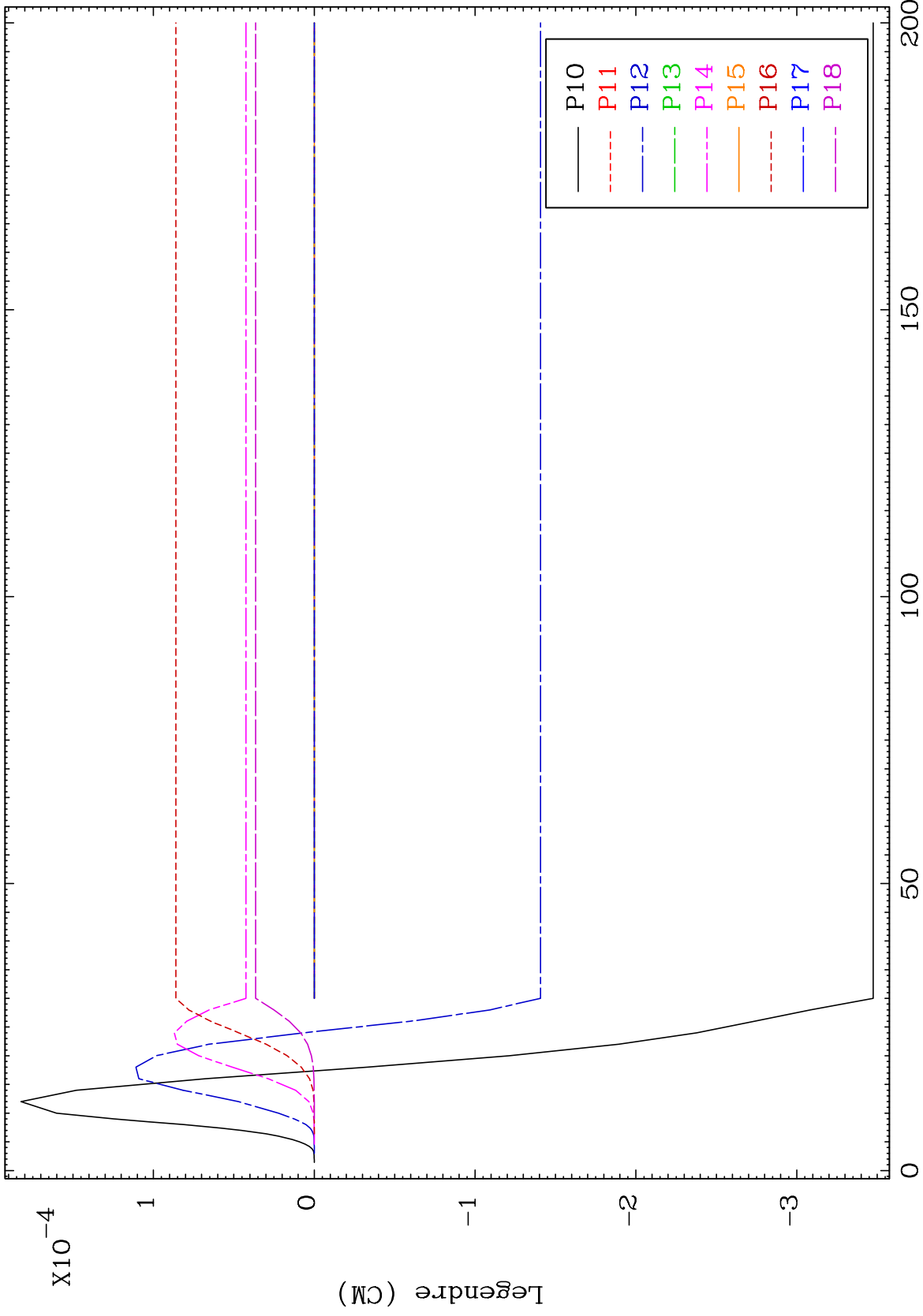
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

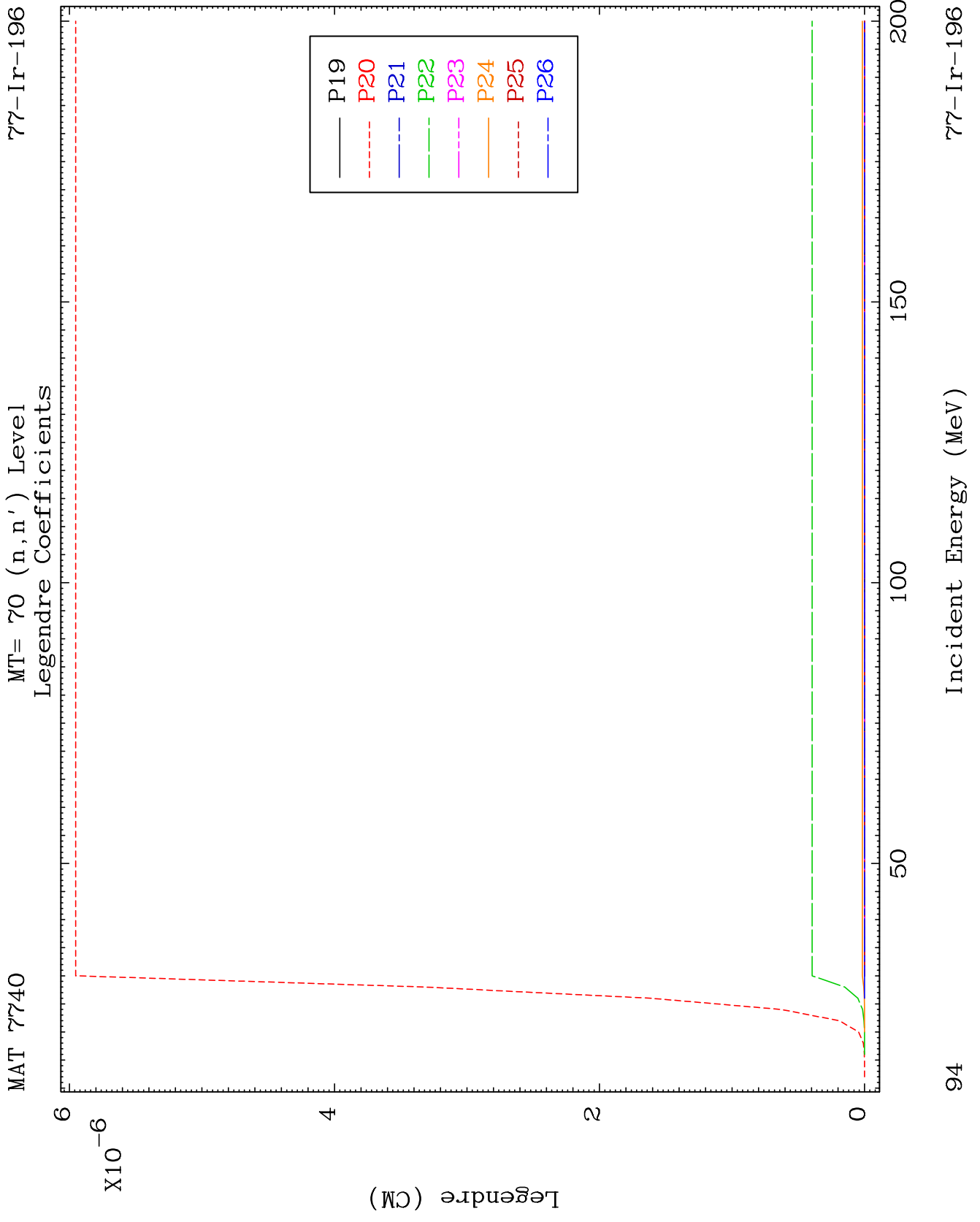
77-Ir-196

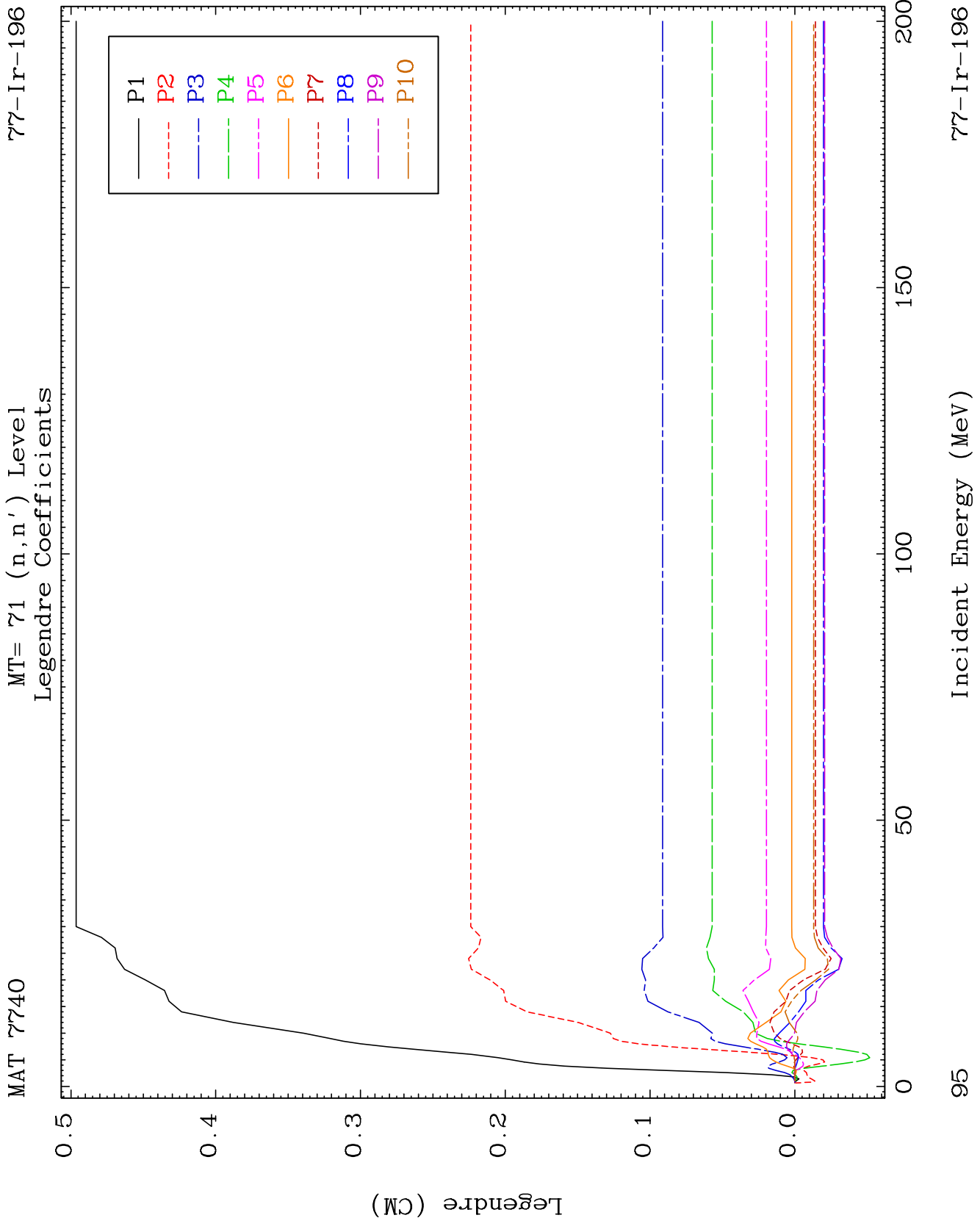


93

Incident Energy (MeV)

77-Ir-196



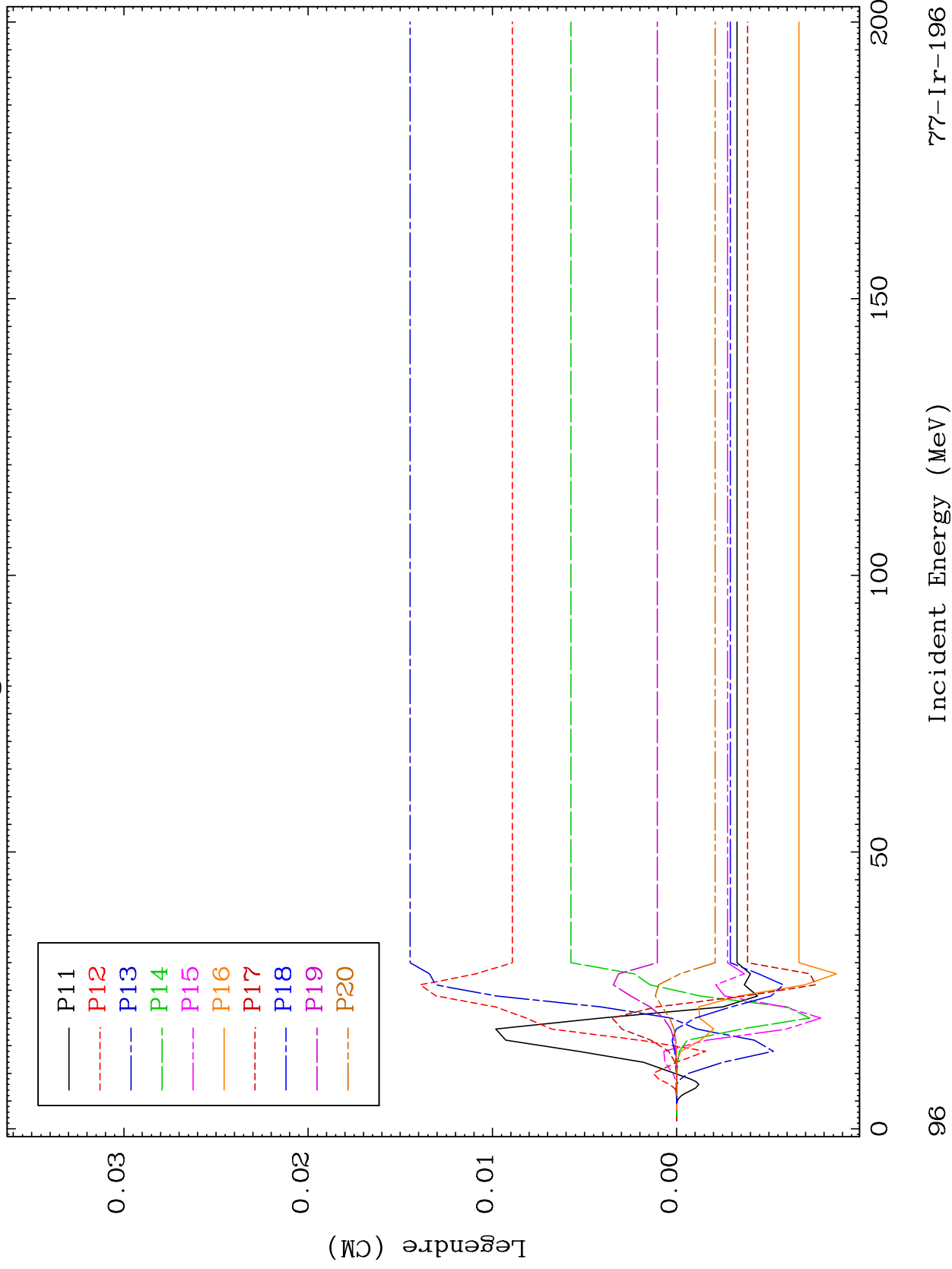




MAT 7740

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

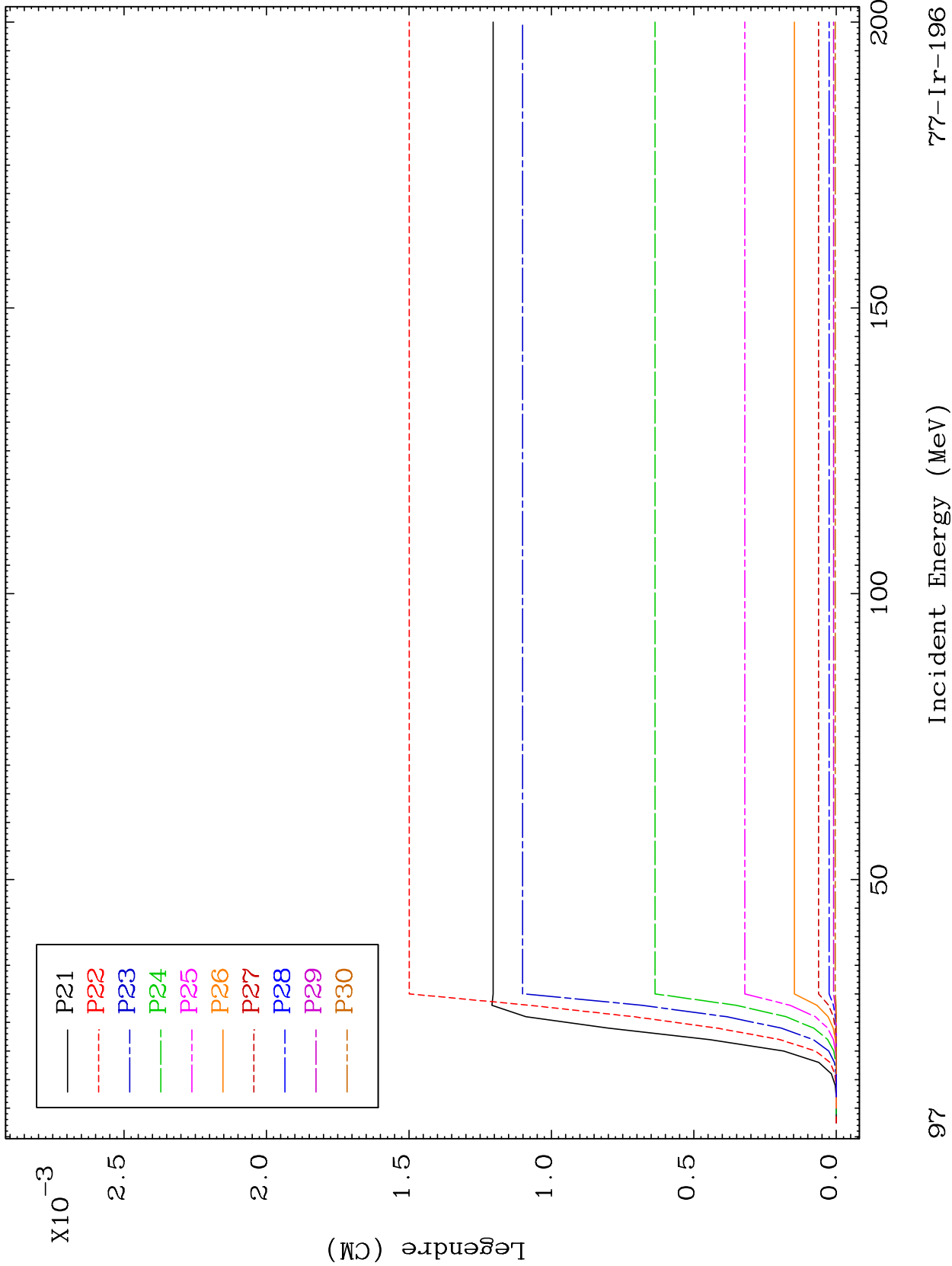
77-Ir-196

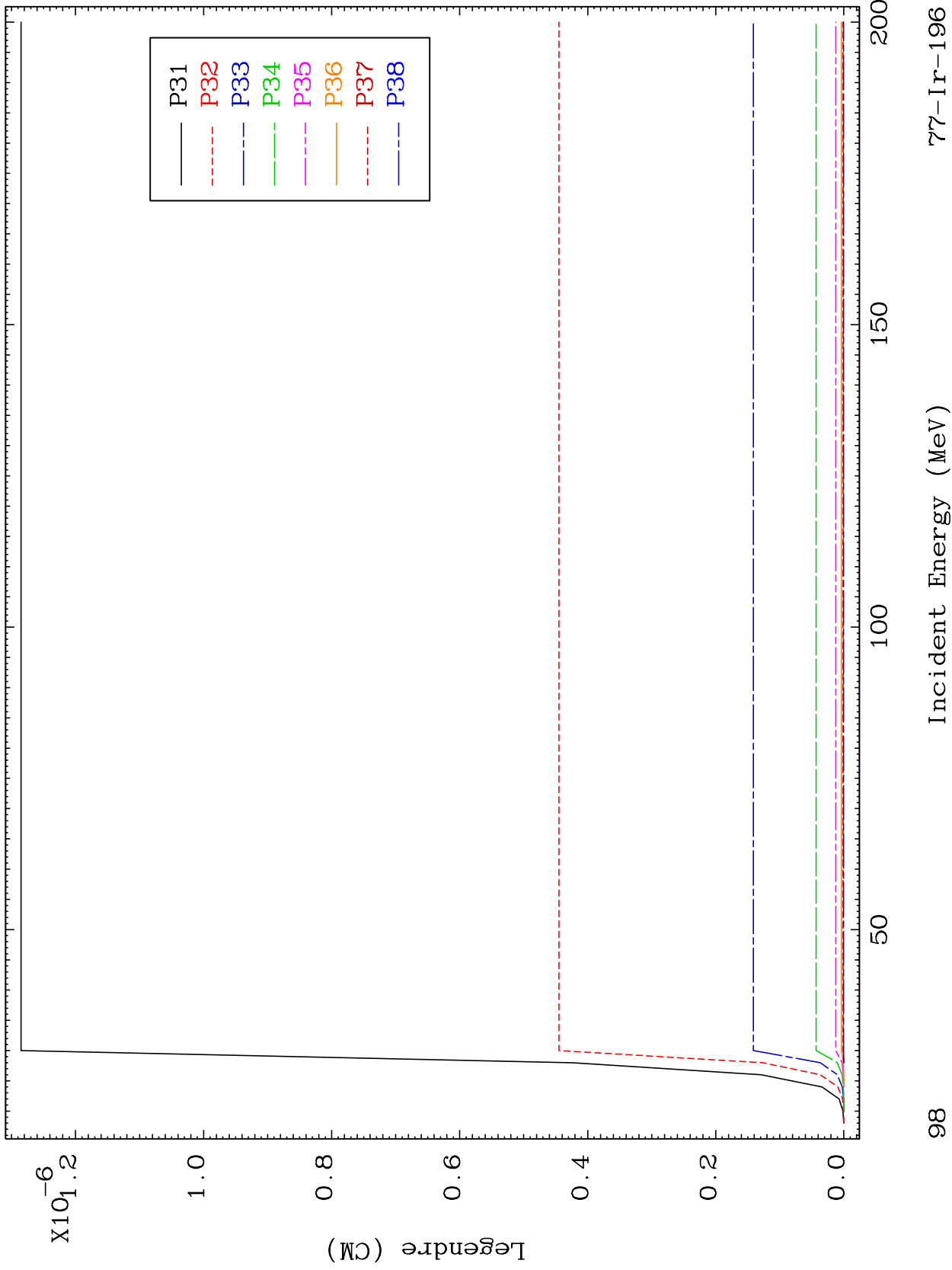


77-Ir-196

Incident Energy (MeV)

96

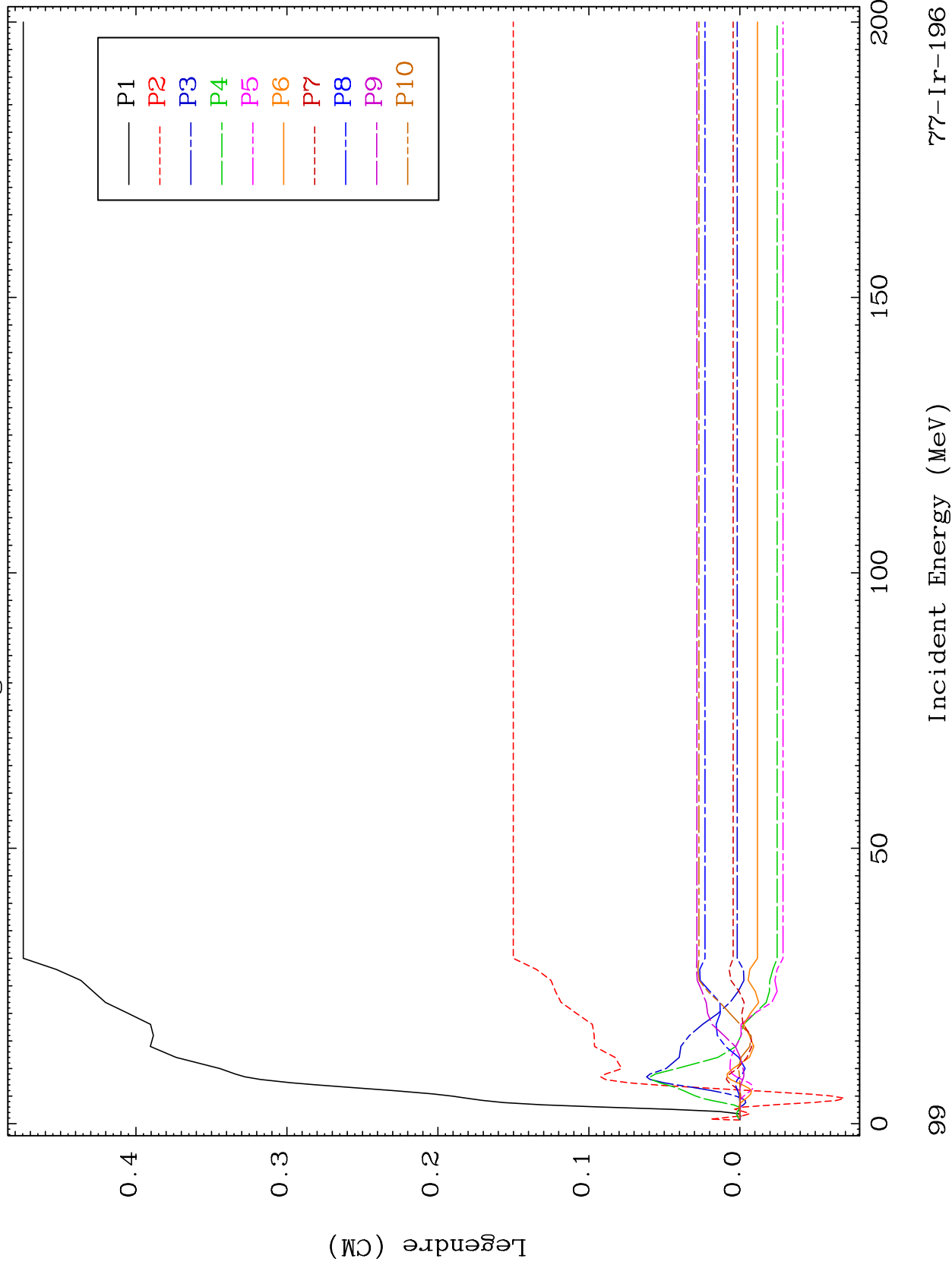




MAT 7740

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

77-Ir-196

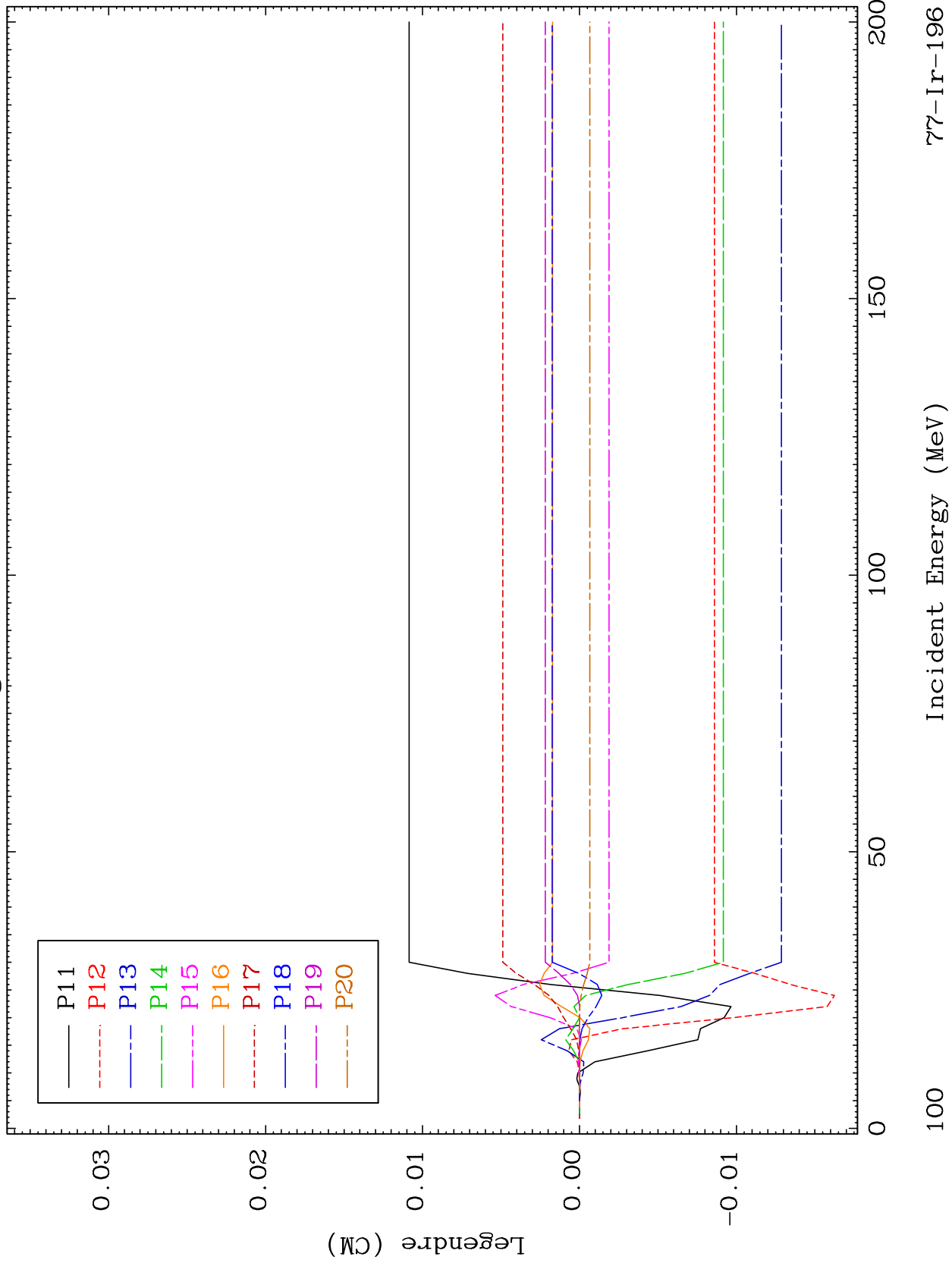


77-Ir-196

MAT 7740

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

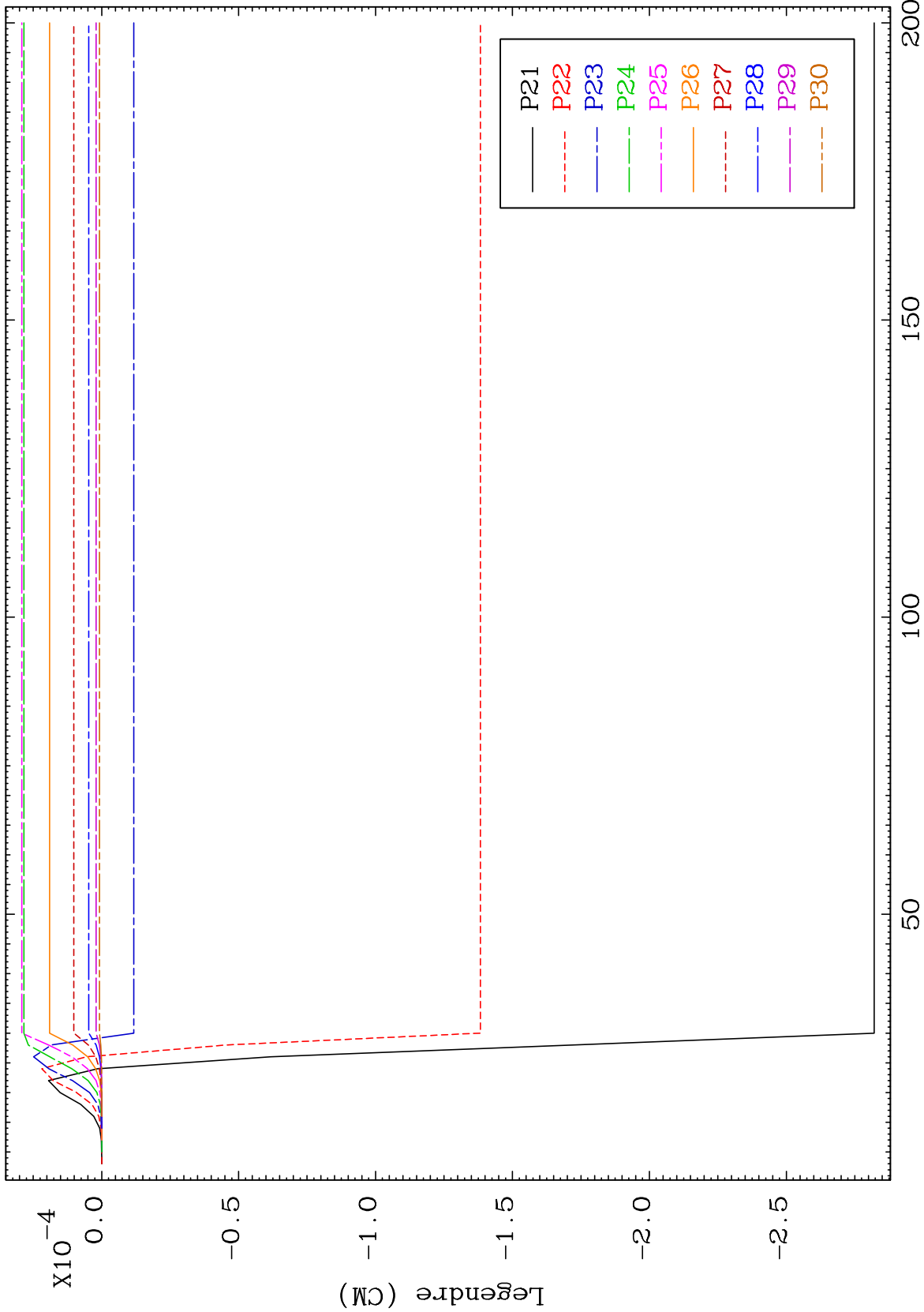
77-Ir-196



77-Ir-196

Incident Energy (MeV)

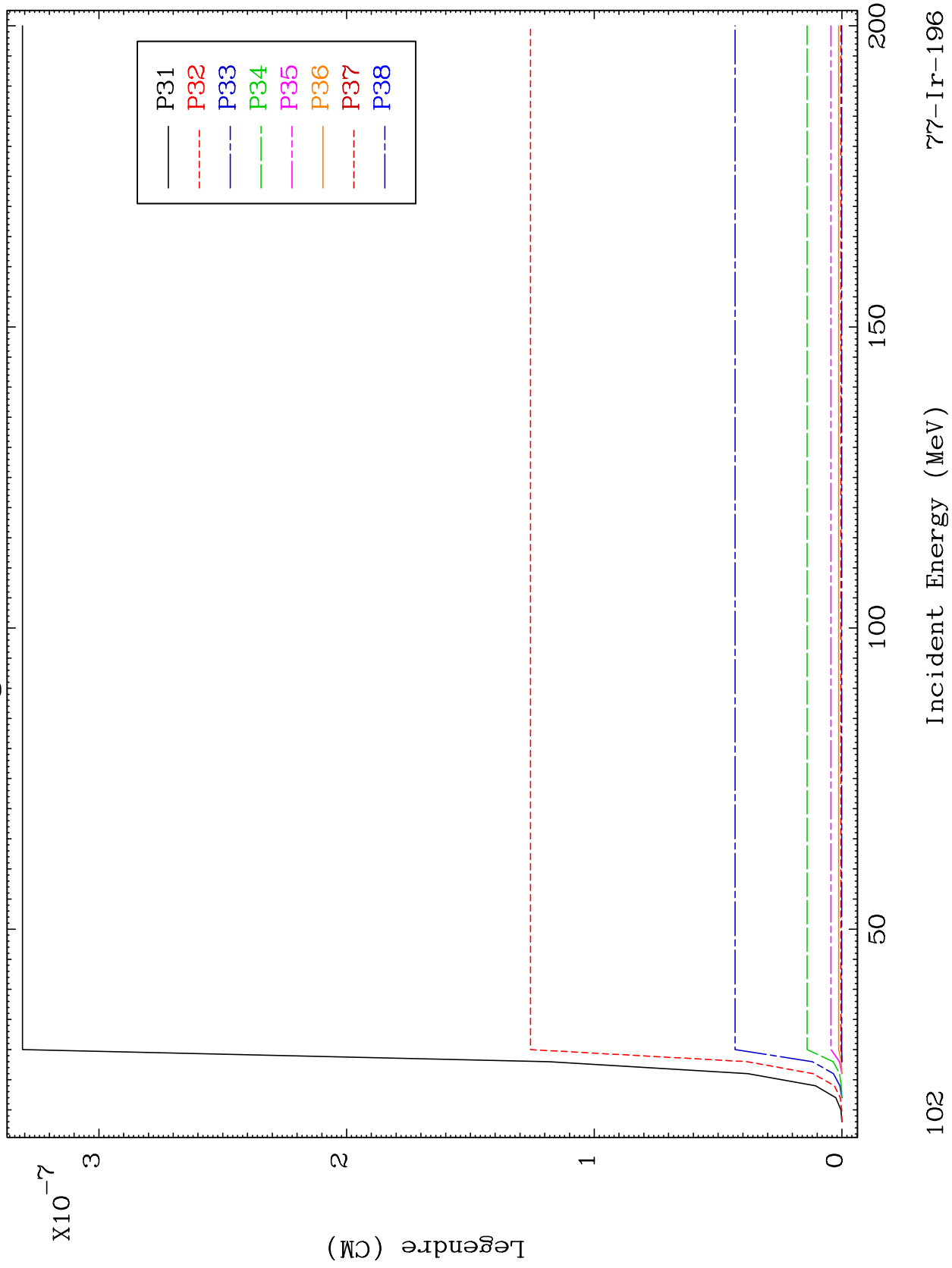
100



MAT 7740

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

77-Ir-196



102

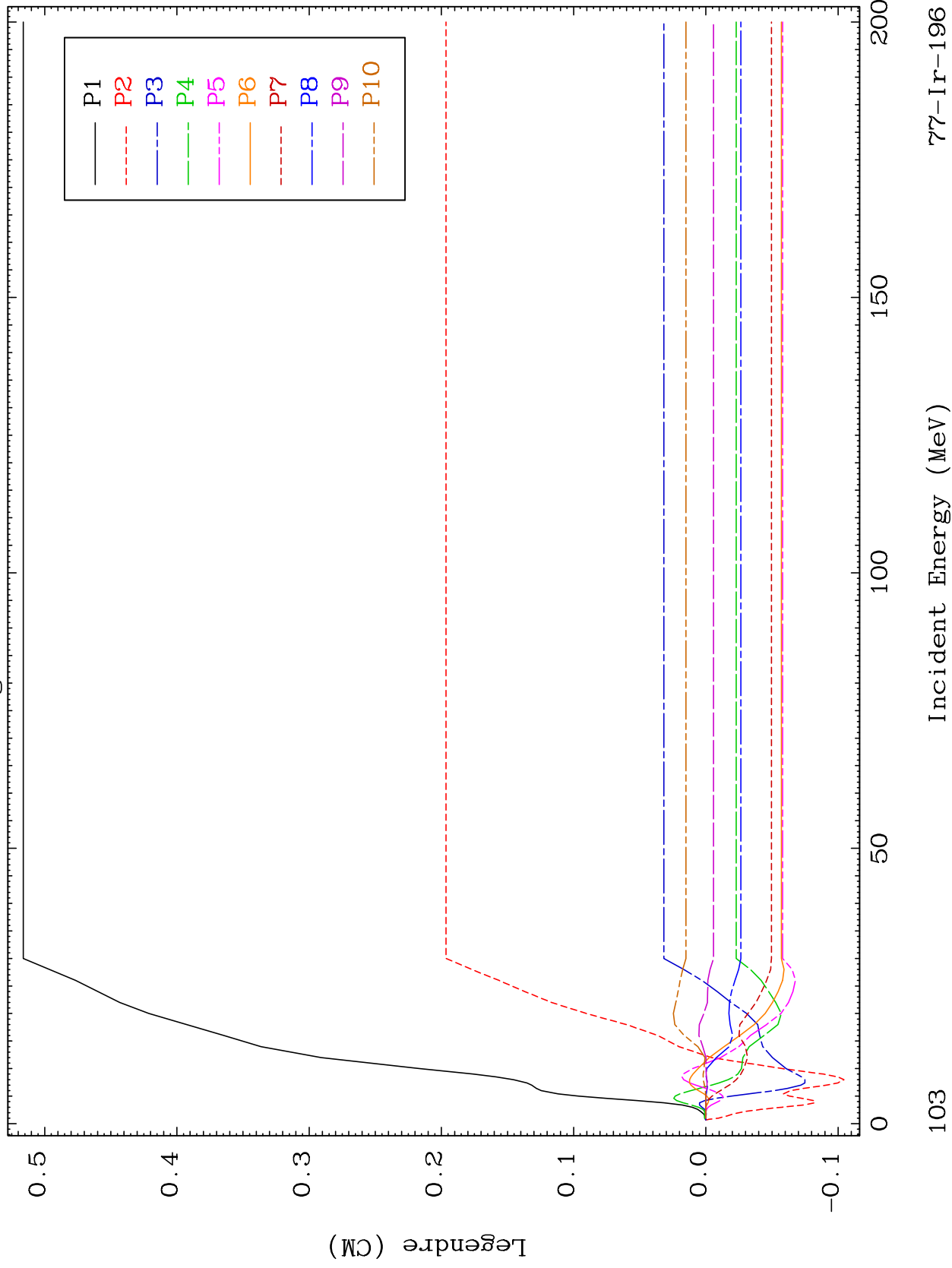
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196

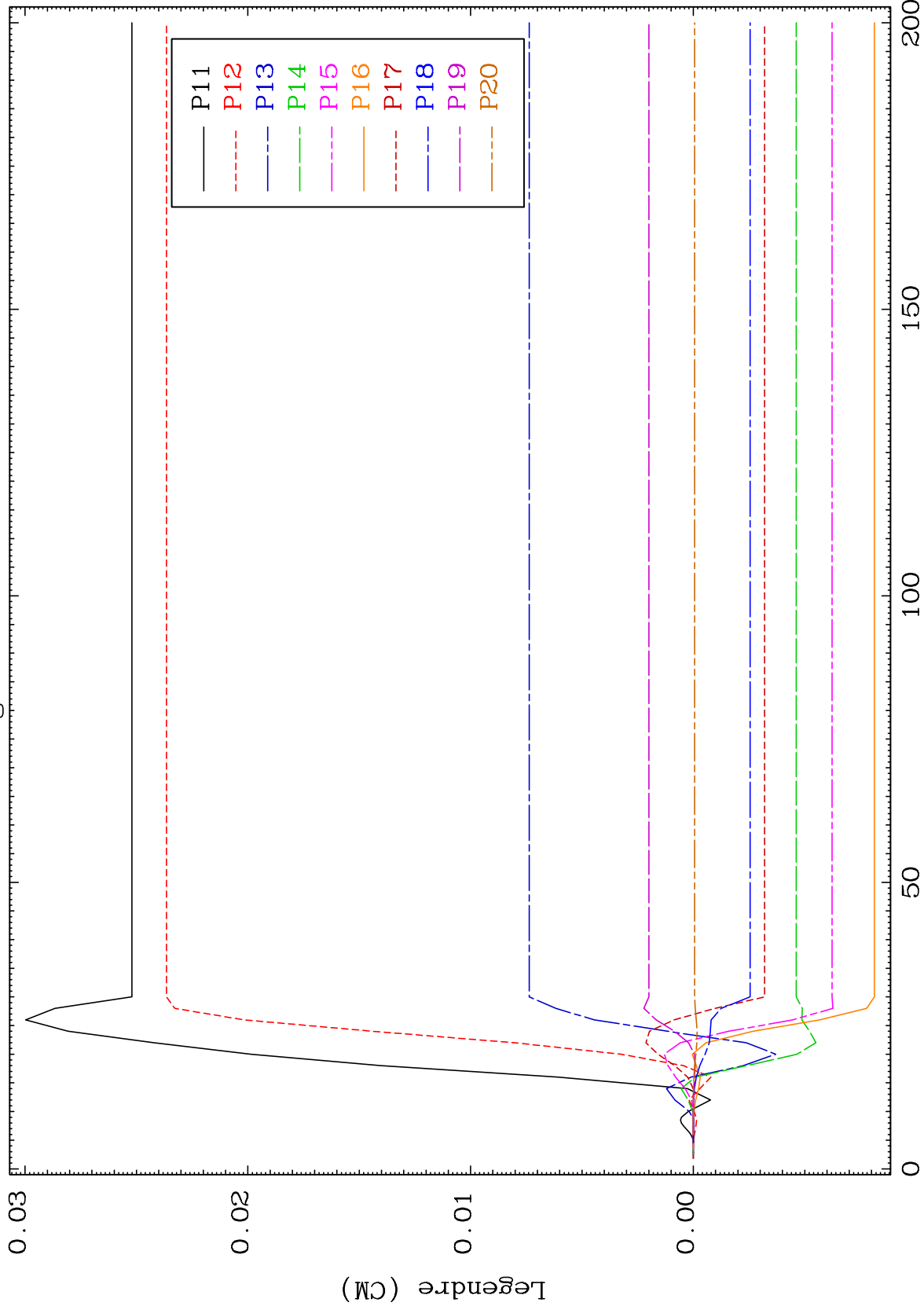




MAT 7740

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

77-Ir-196



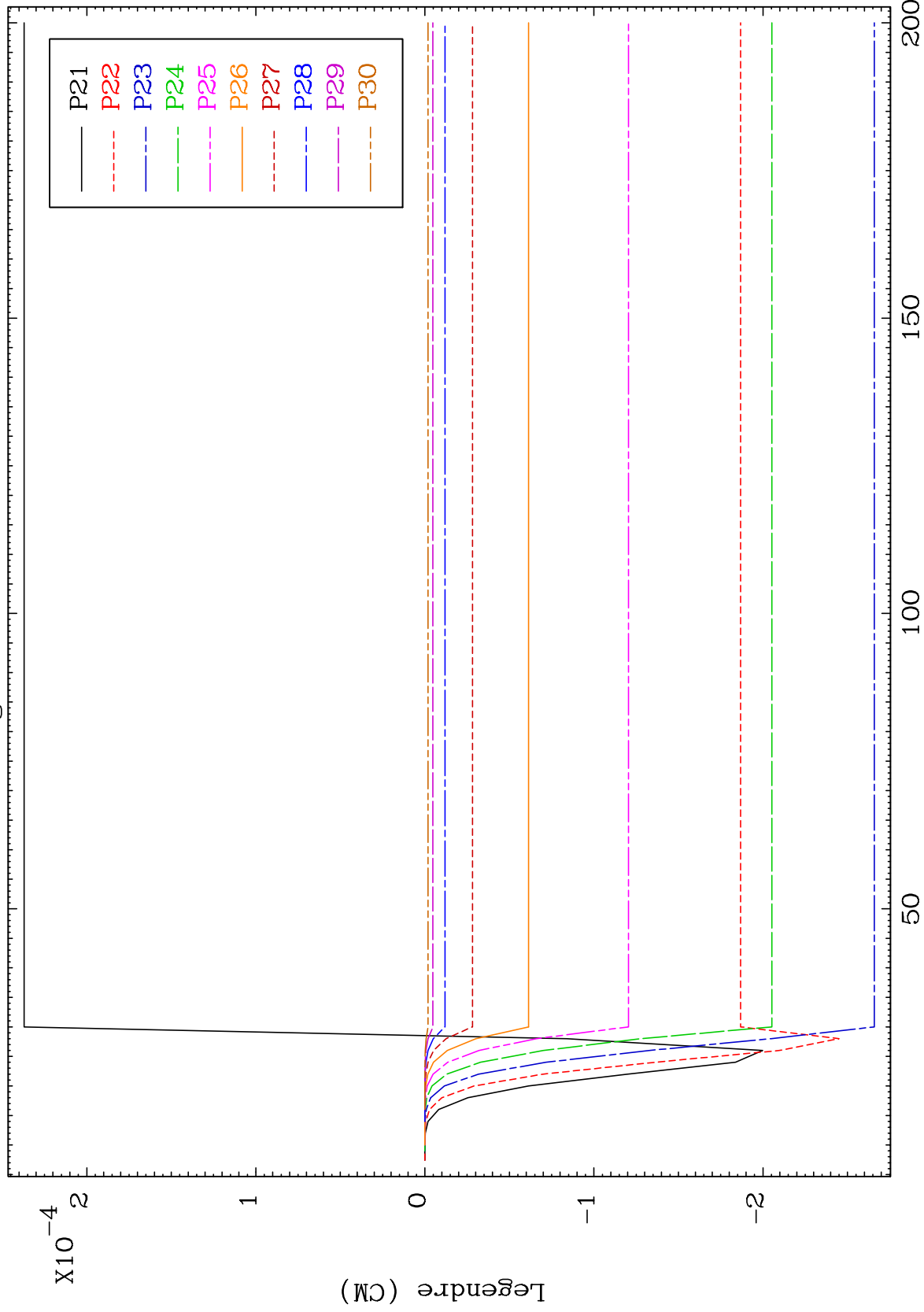
104

77-Ir-196

MAT 7740

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

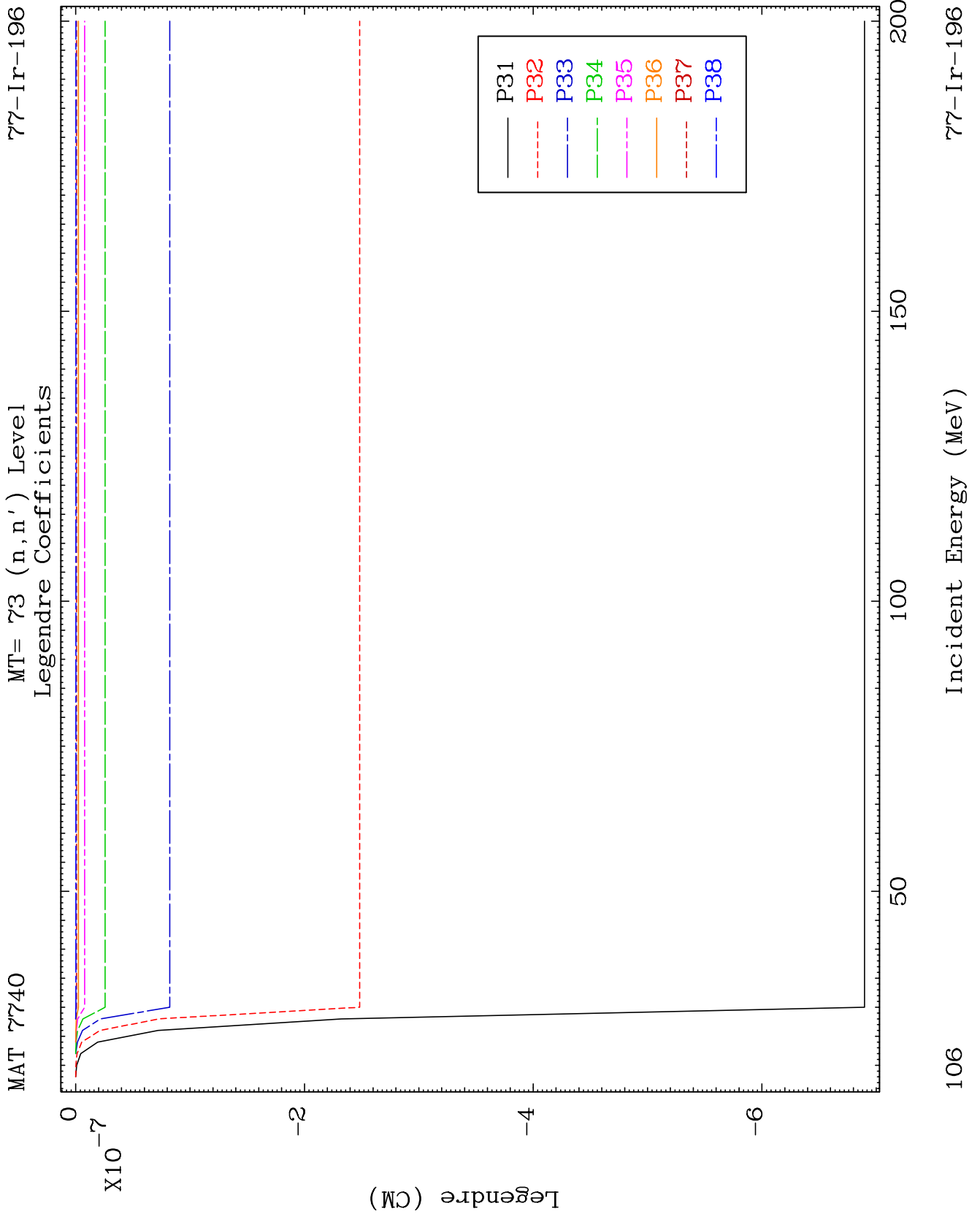
77-Ir-196

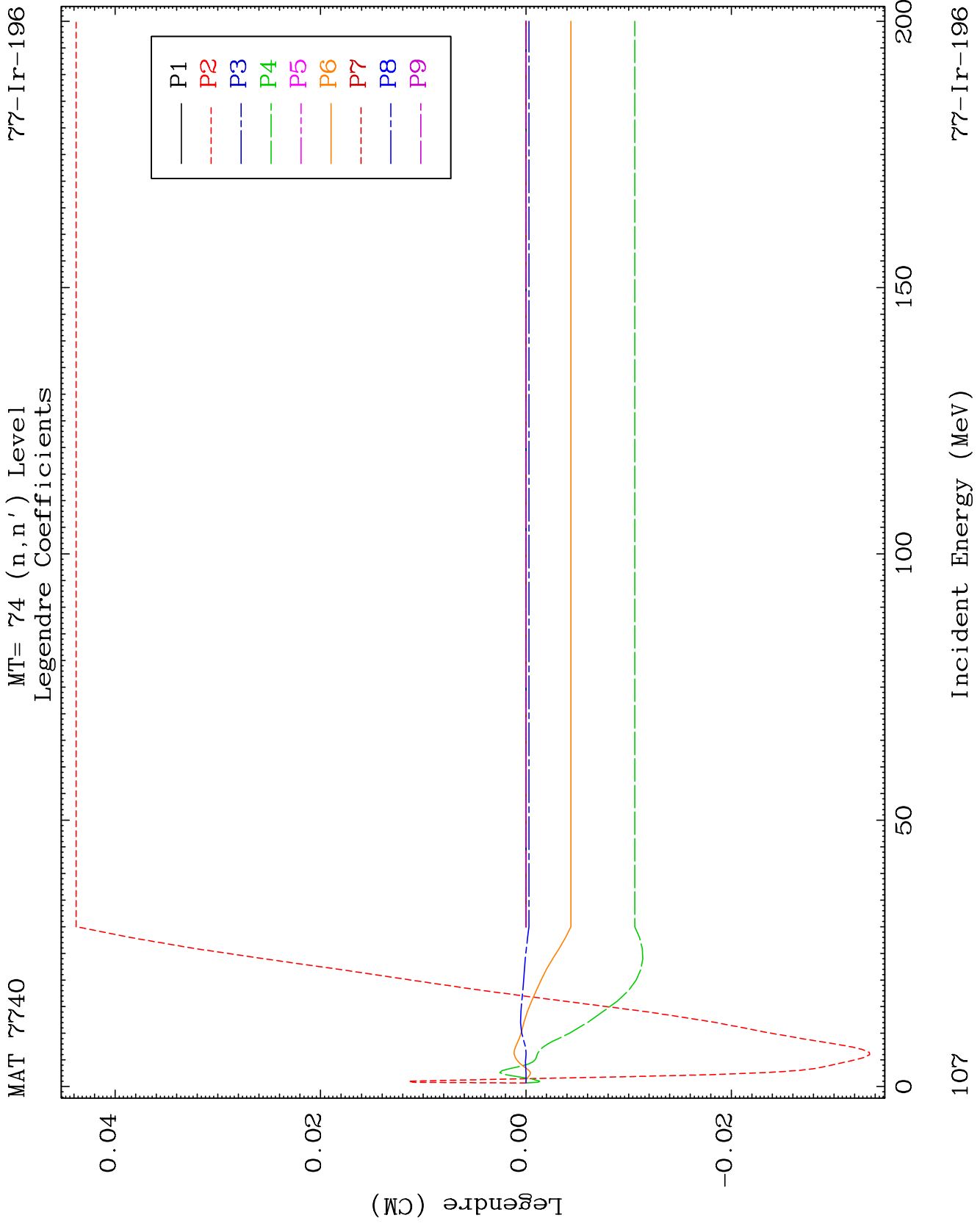


105

Incident Energy (MeV)

77-Ir-196

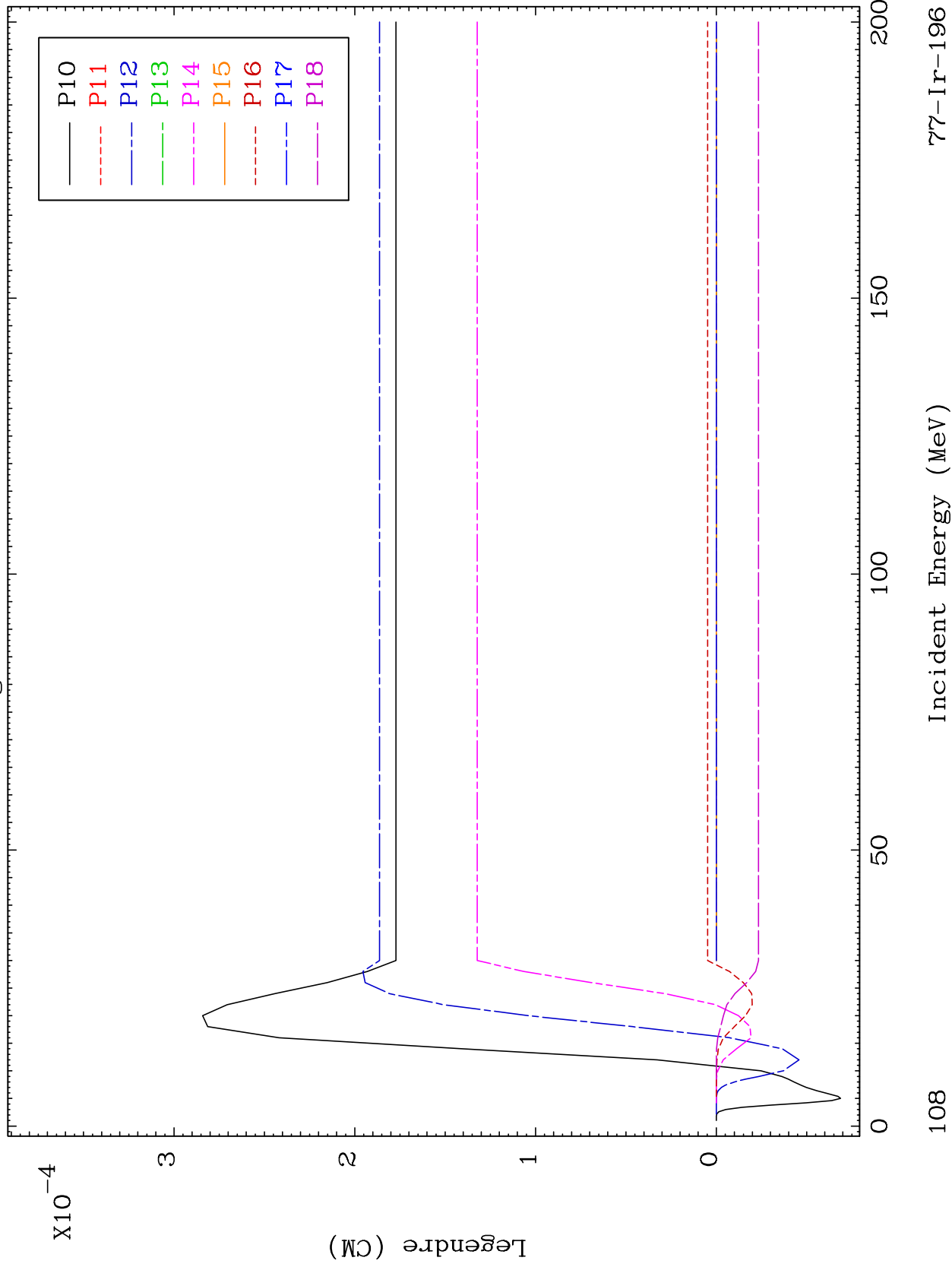




MAT 7740

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

77-Ir-196



77-Ir-196

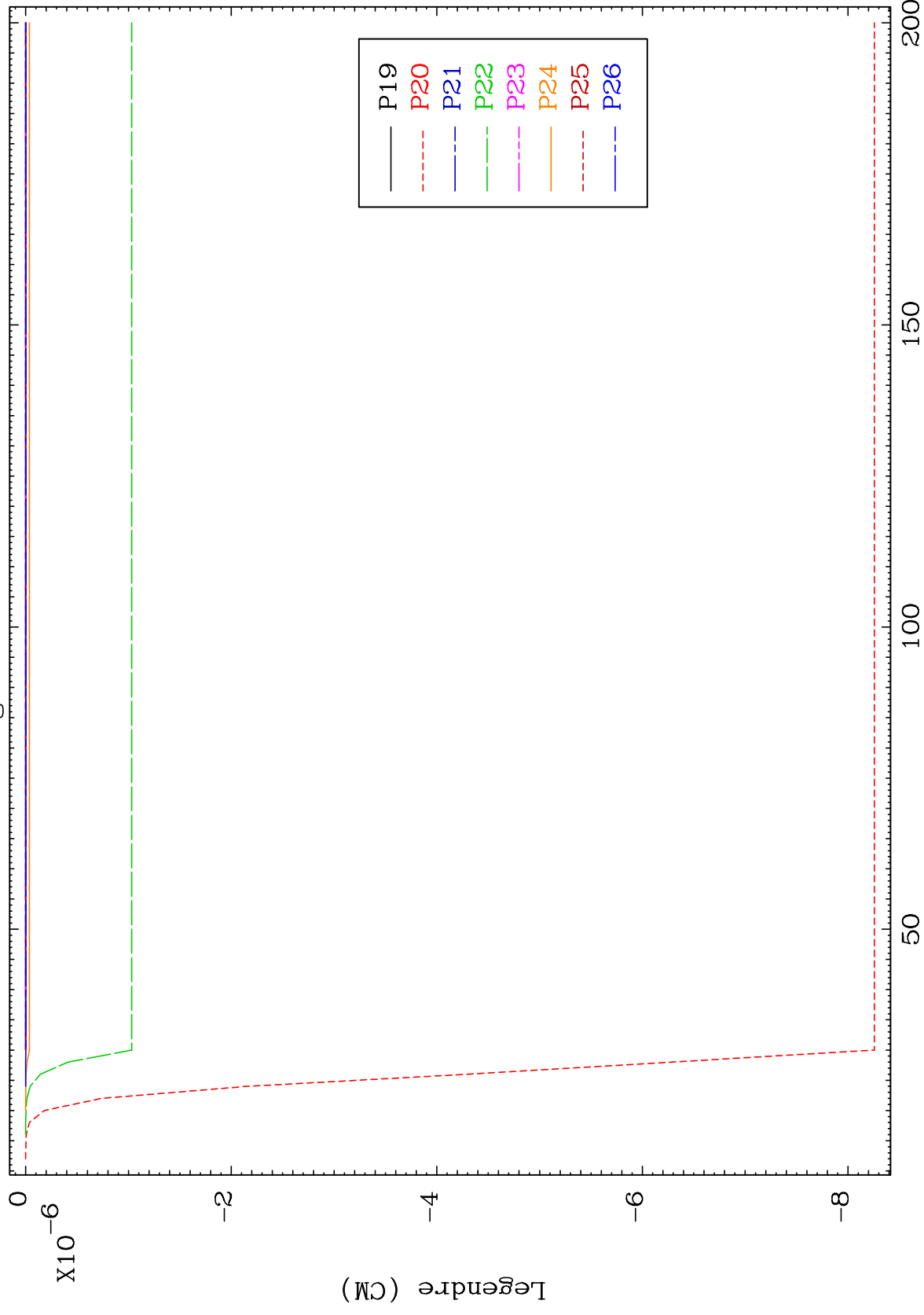
Incident Energy (MeV)

108

MAT 7740

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

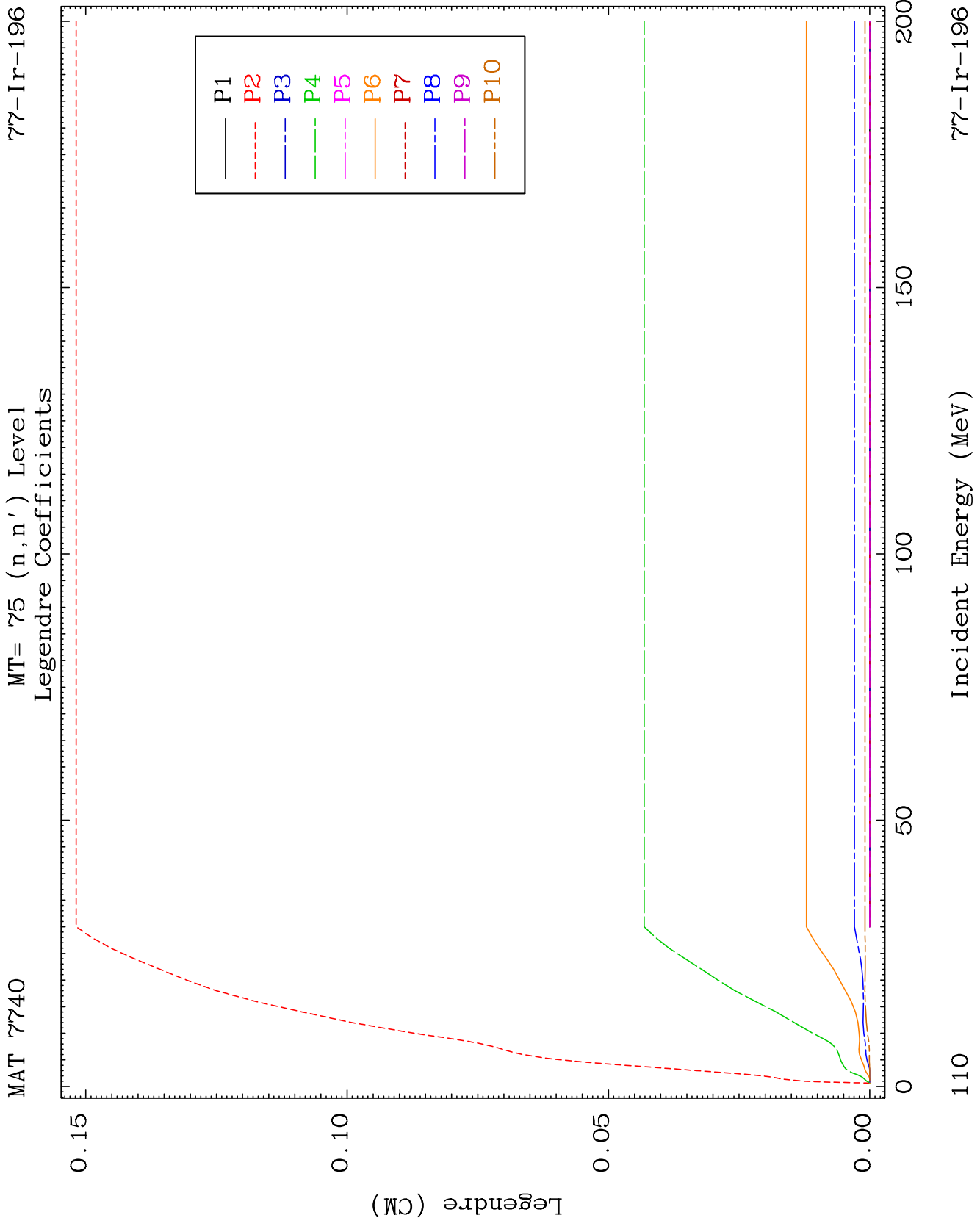
77-Ir-196



109

Incident Energy (MeV)

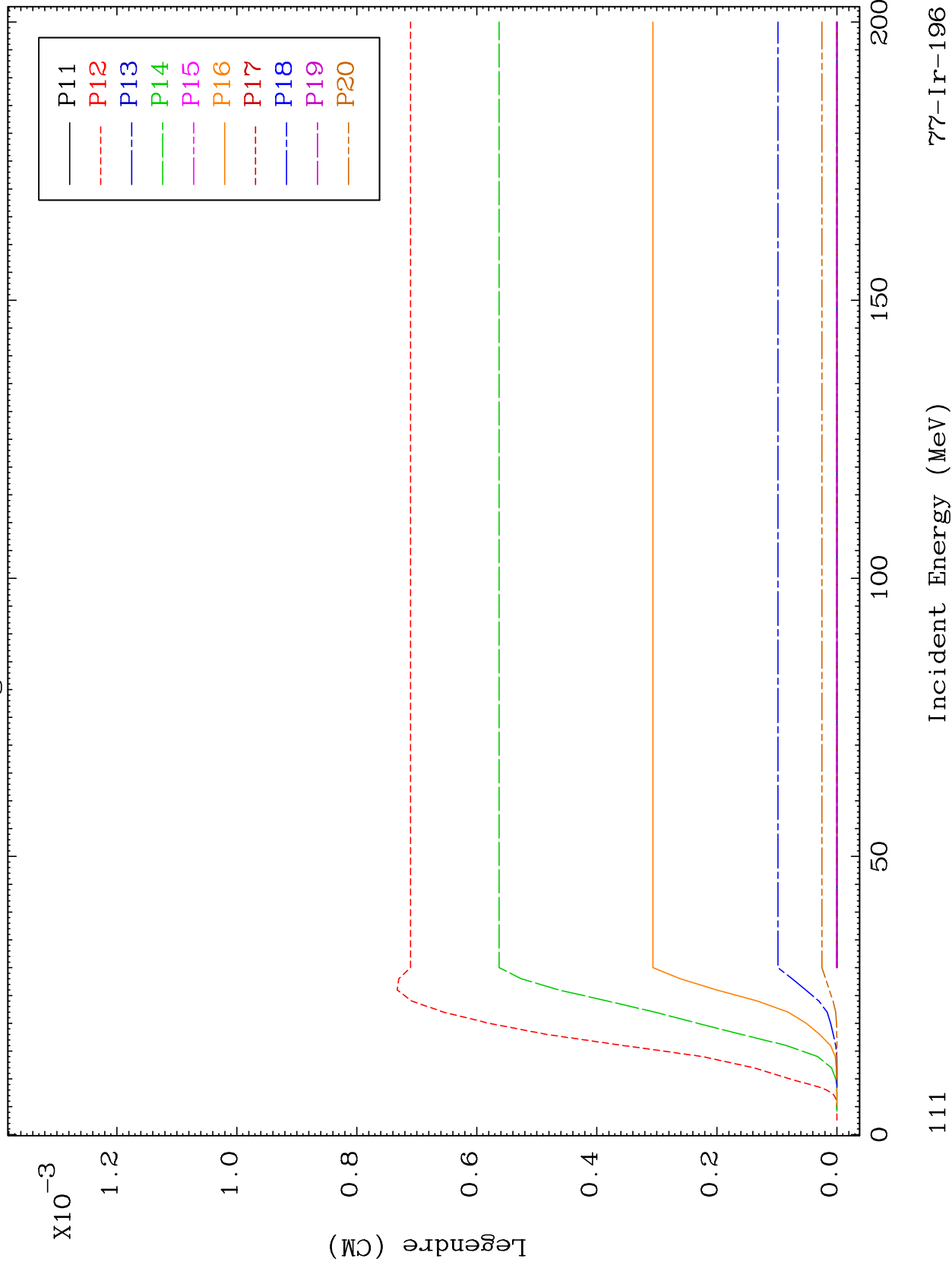
77-Ir-196



MAT 7740

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

77-Ir-196

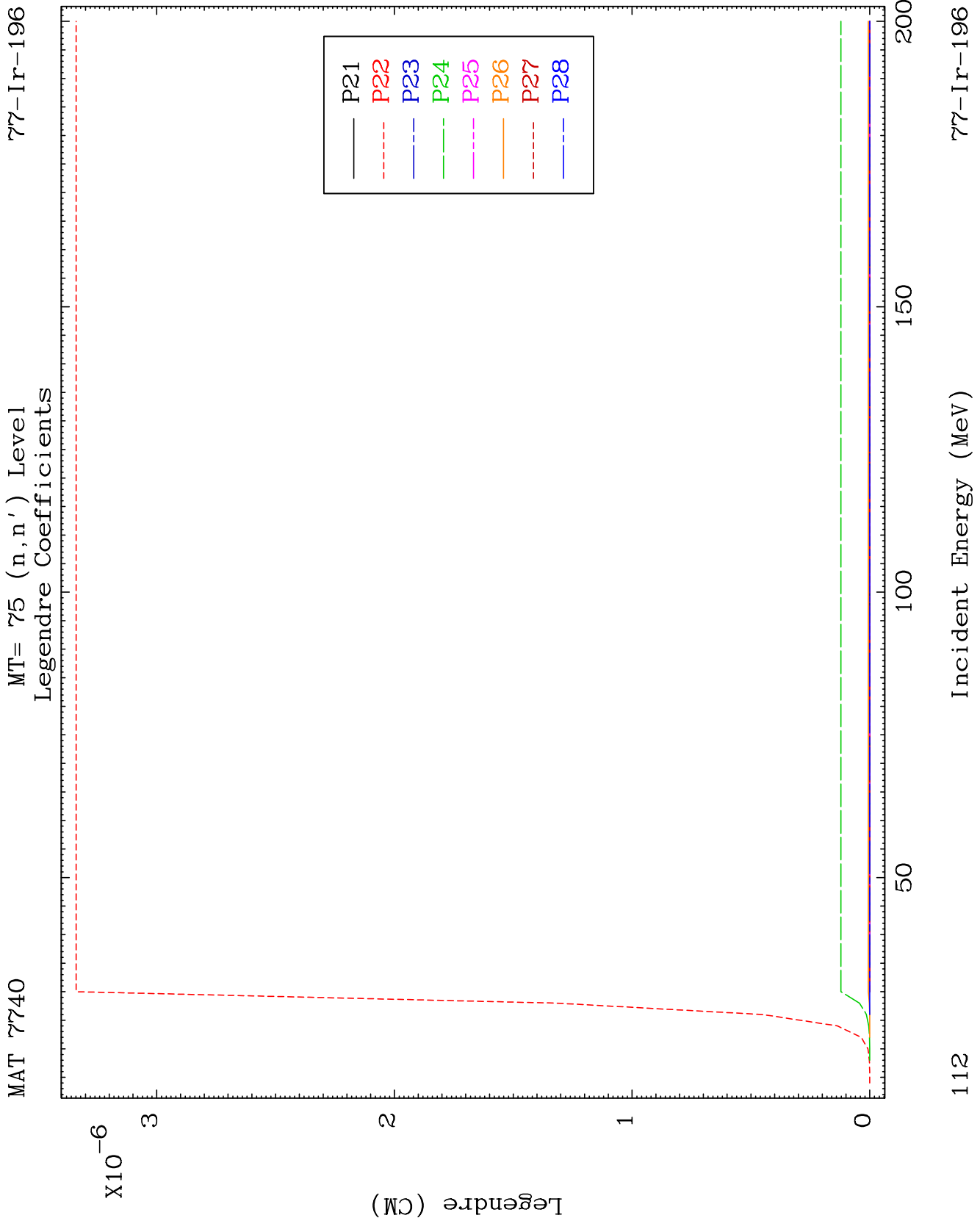


111

Incident Energy (MeV)

77-Ir-196

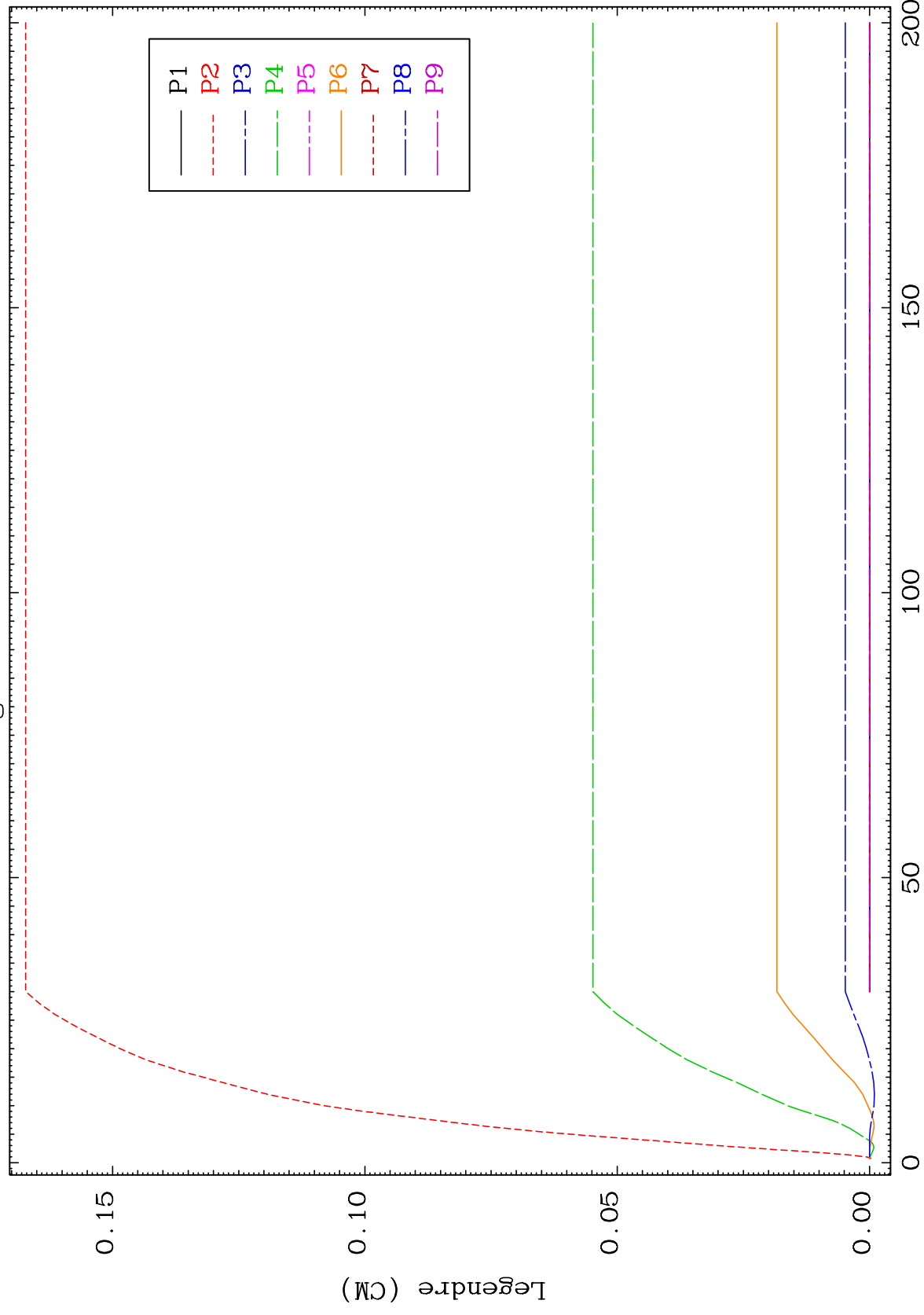




MAT 7740

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

77-Ir-196



113

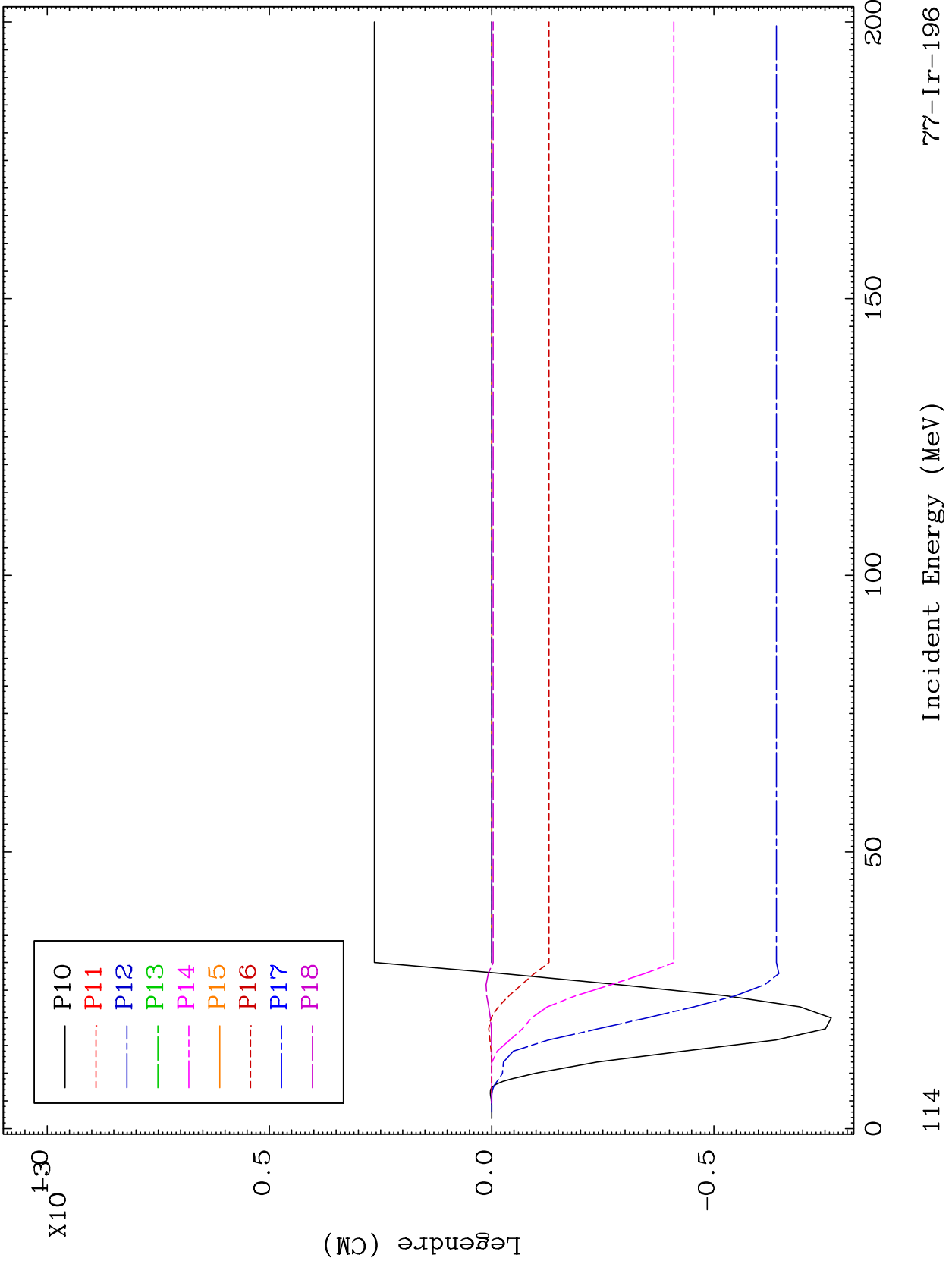
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

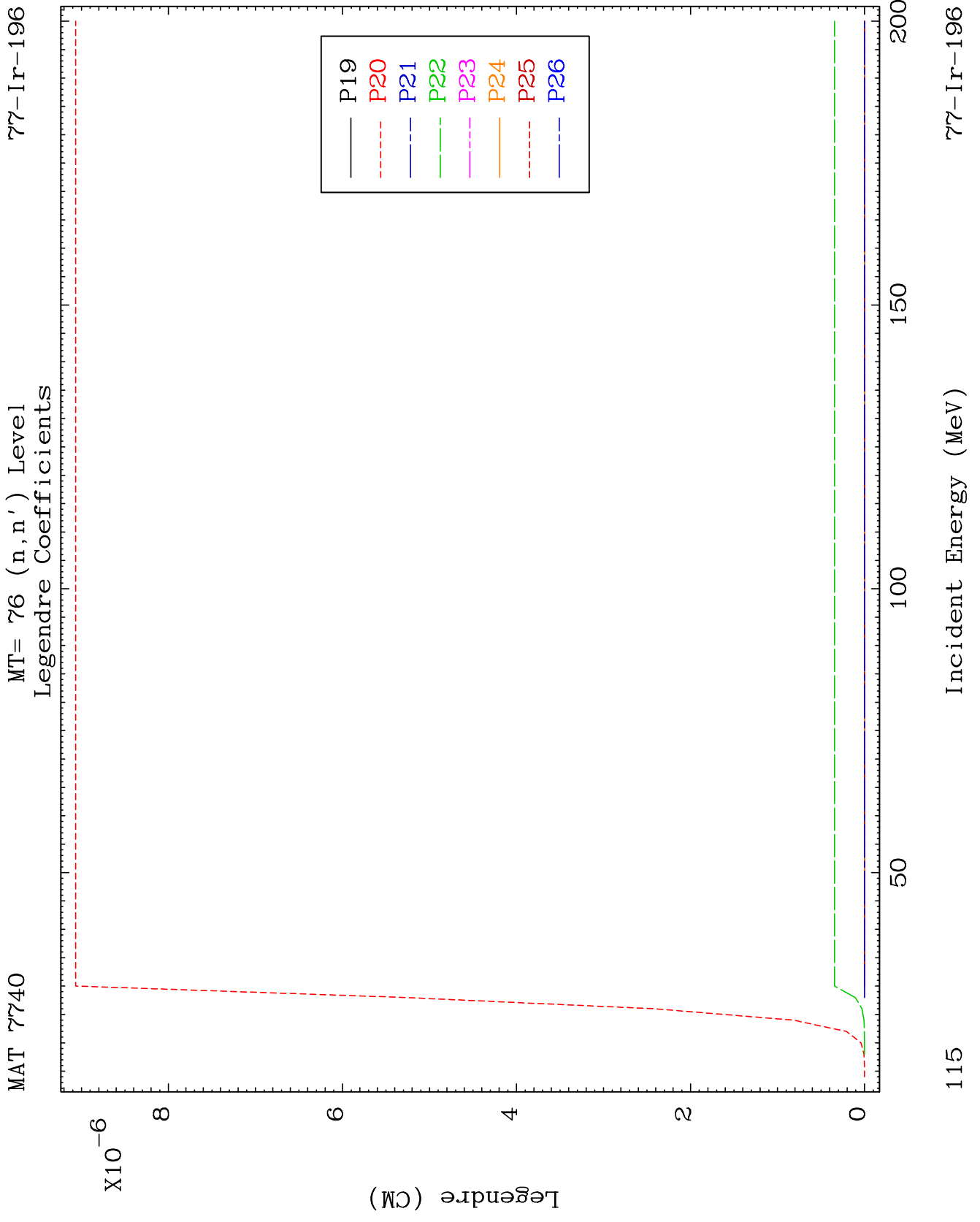
77-Ir-196



114

Incident Energy (MeV)

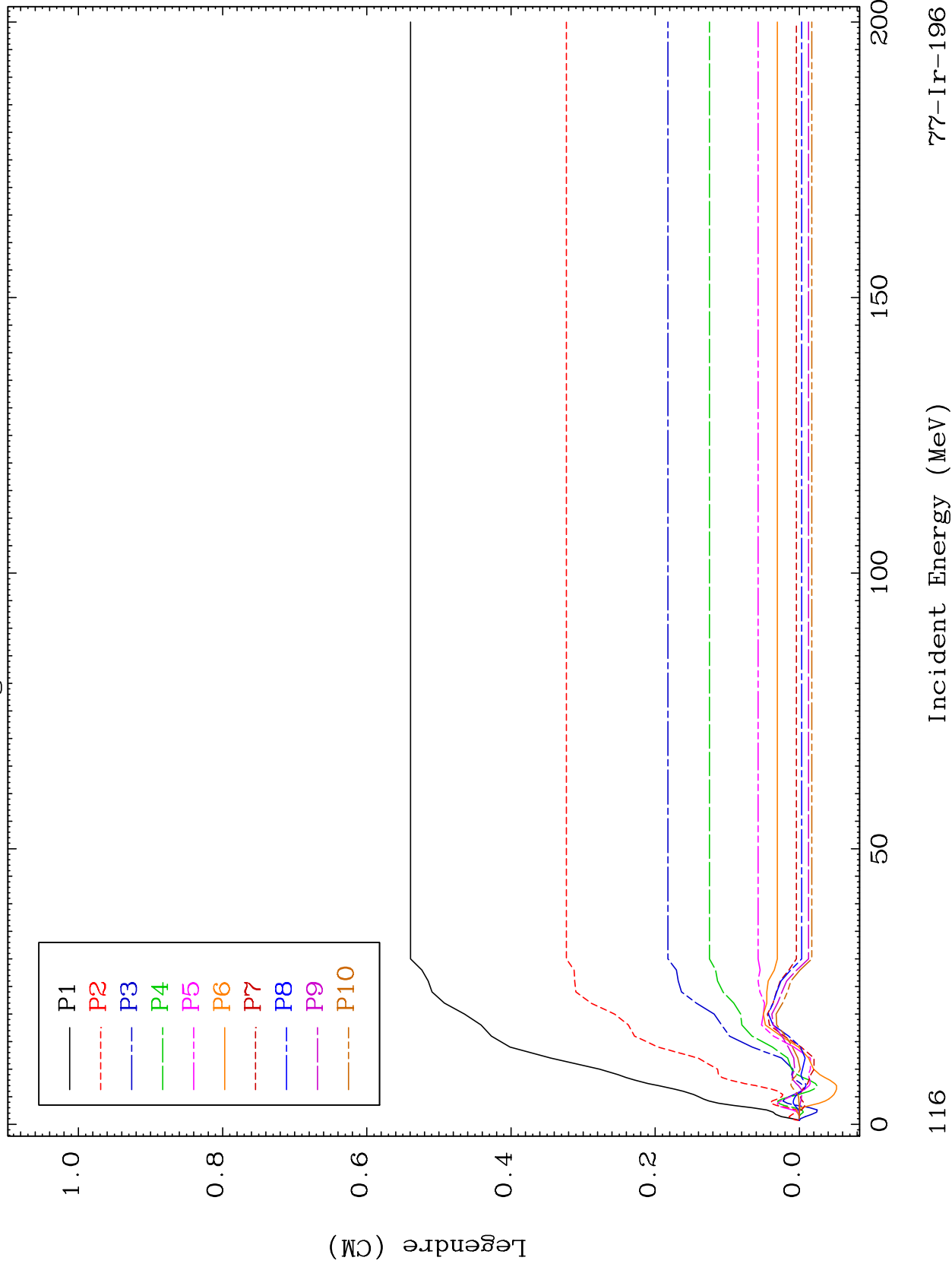
77-Ir-196



MAT 7740

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

77-Ir-196



116

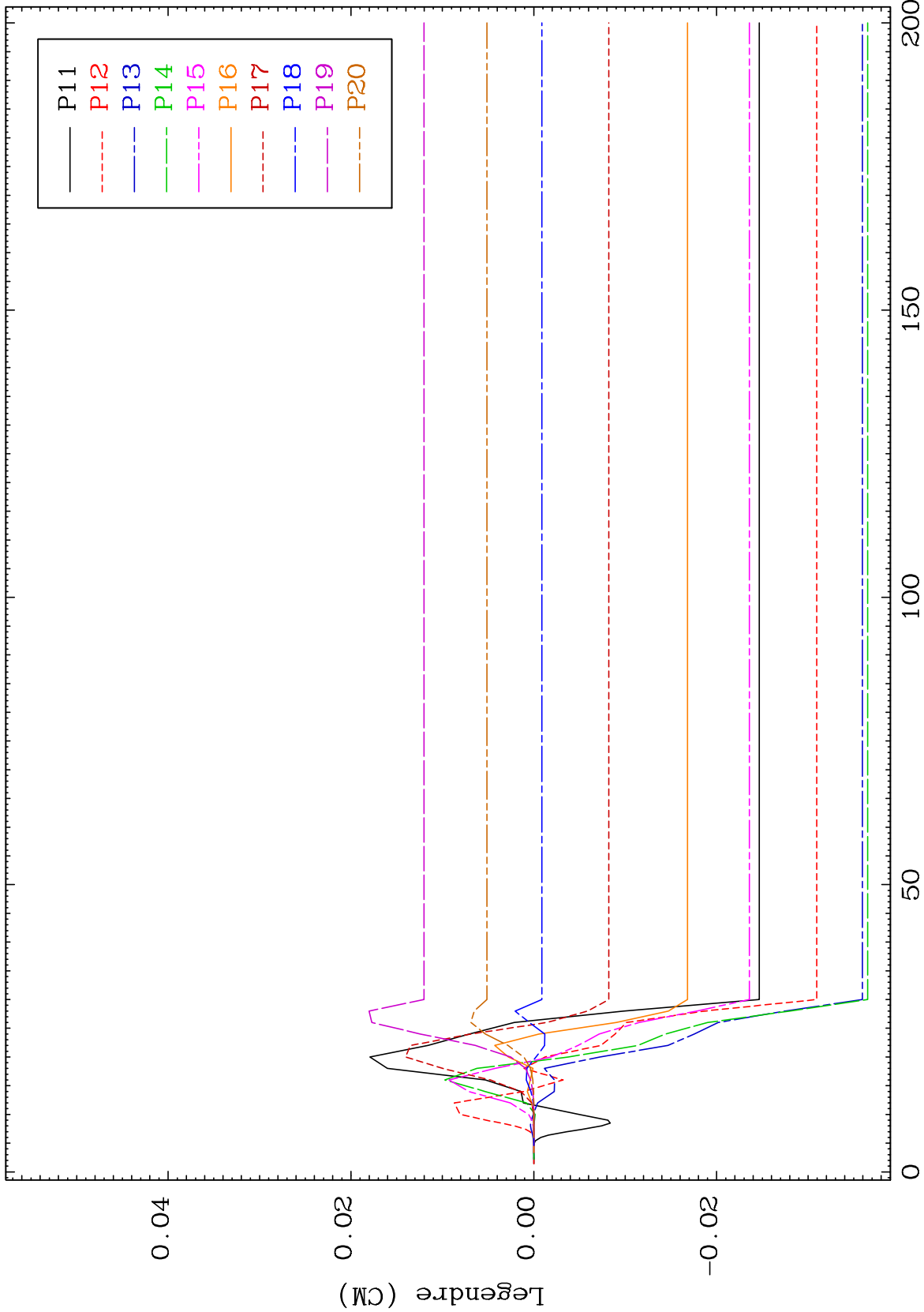
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

77-Ir-196



117

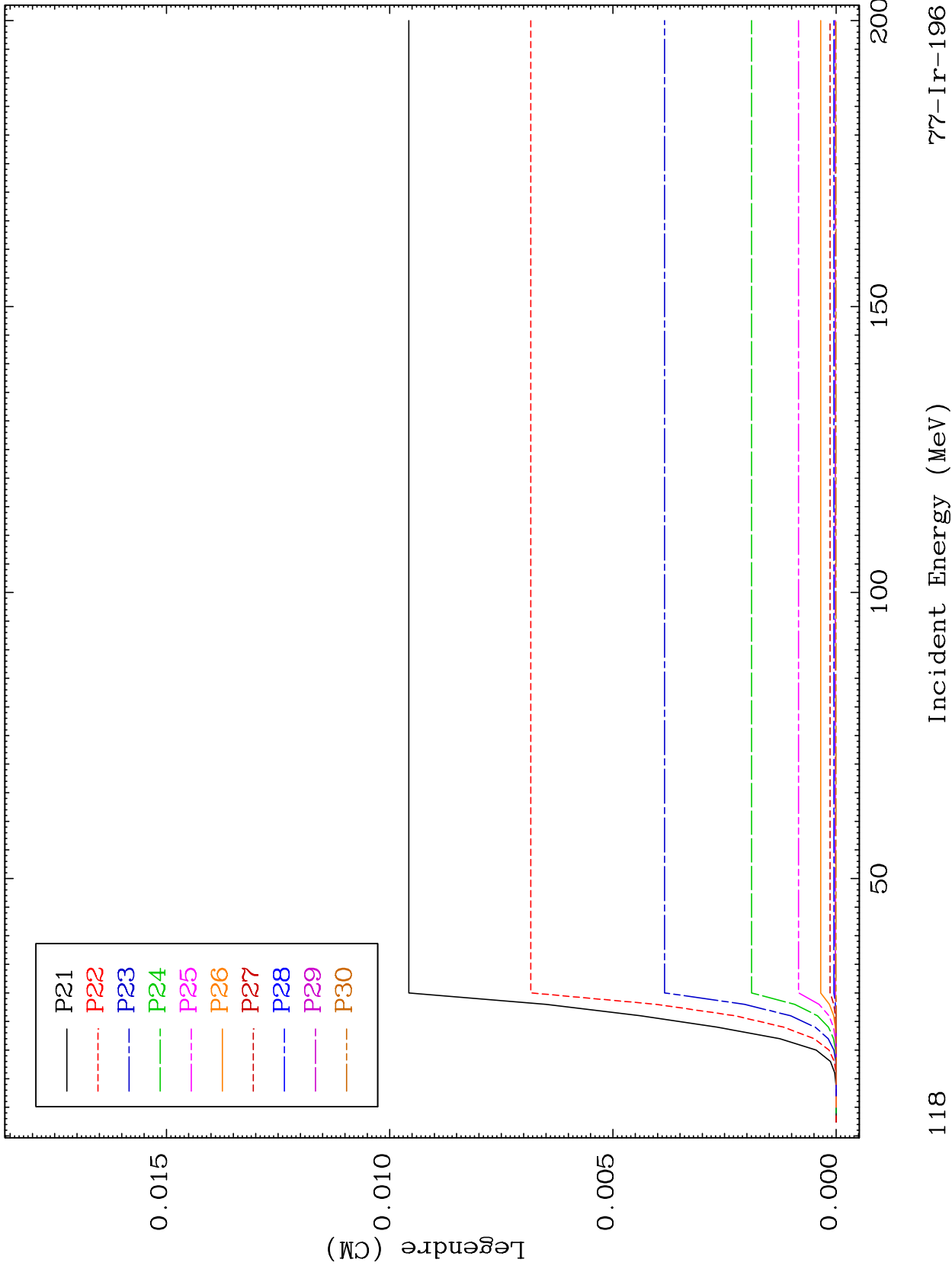
Incident Energy (MeV)

77-Ir-196

MAT 7740

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

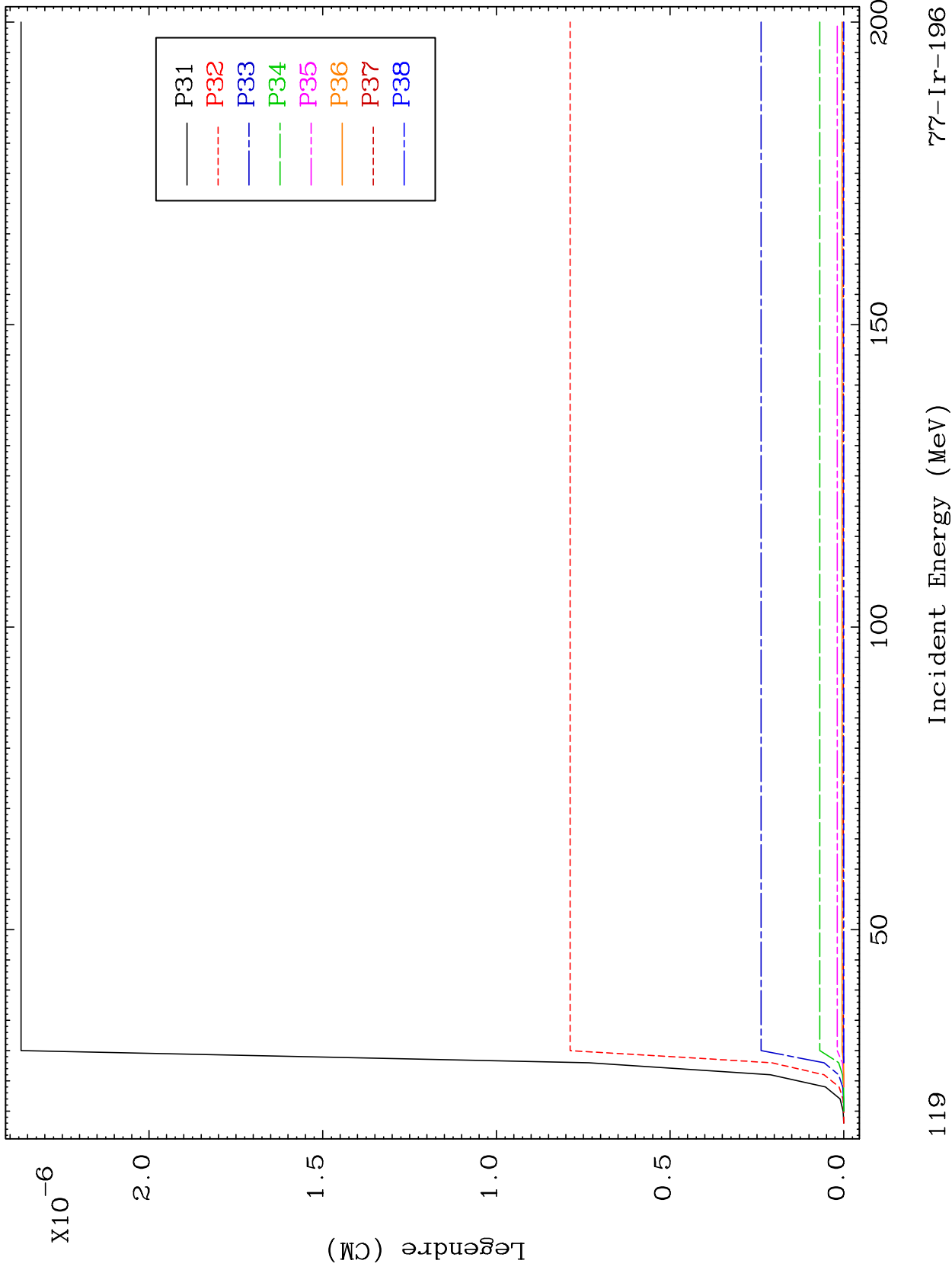
77-Ir-196



118

Incident Energy (MeV)

77-Ir-196

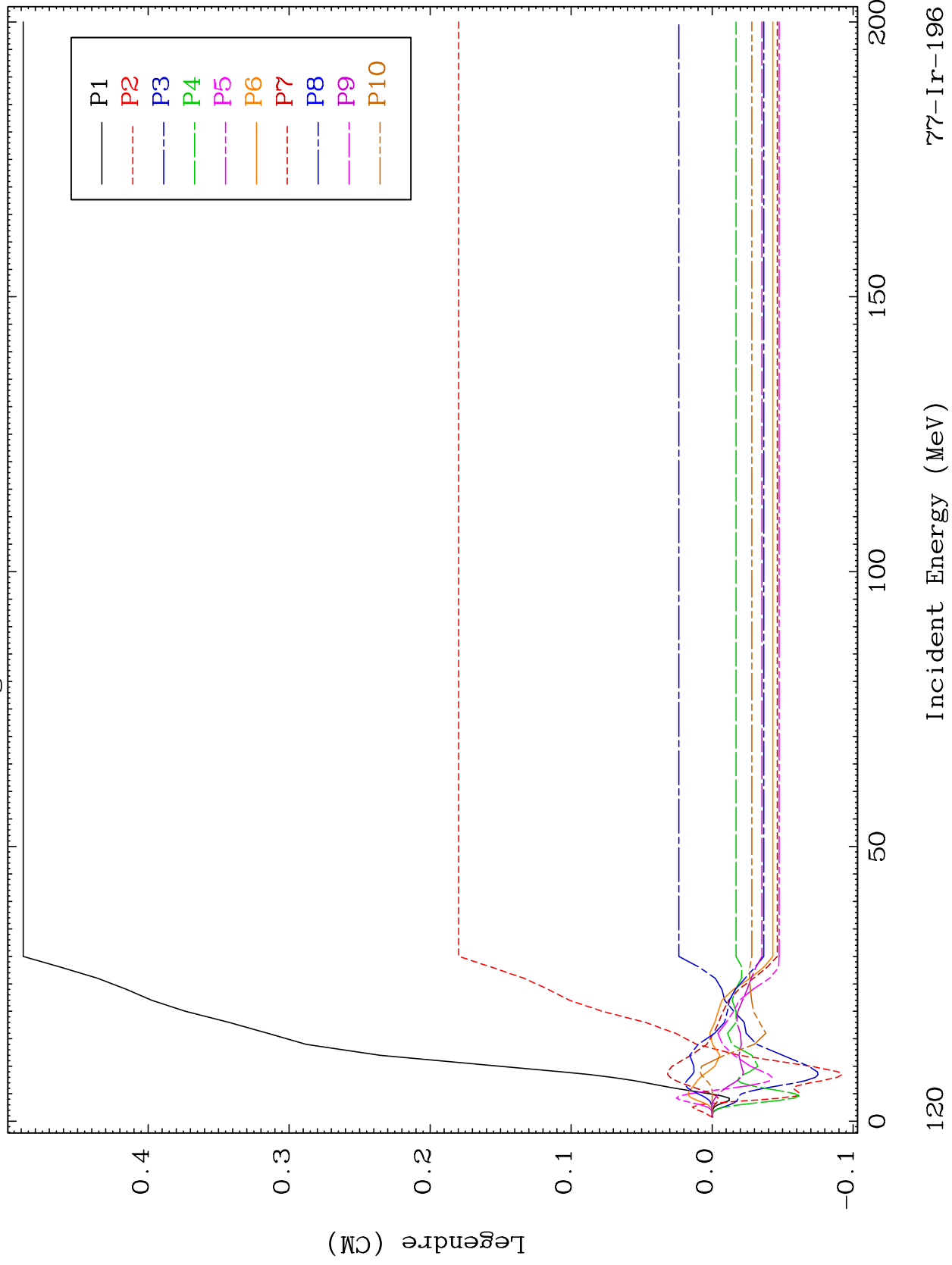




MAT 7740

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

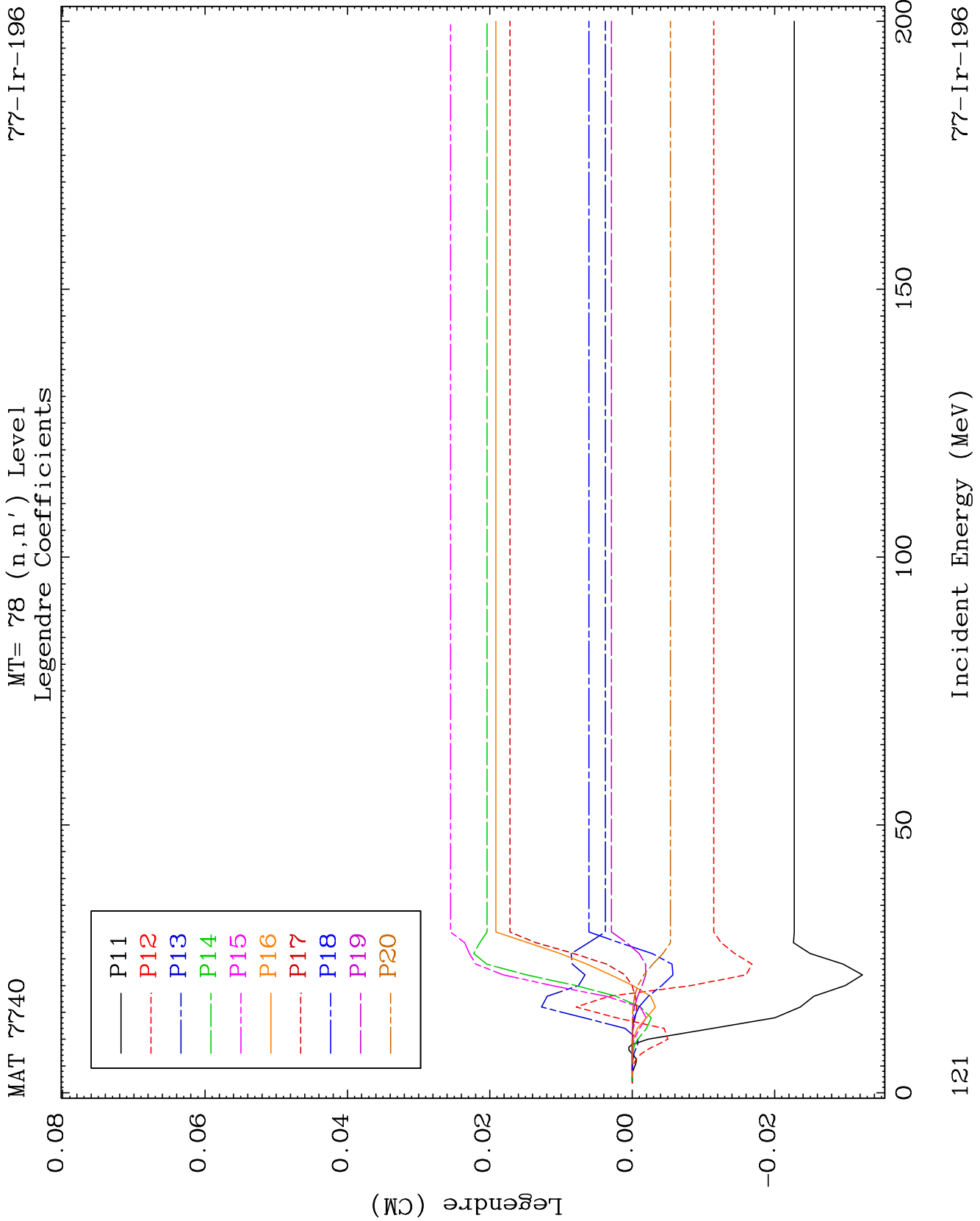
77-Ir-196

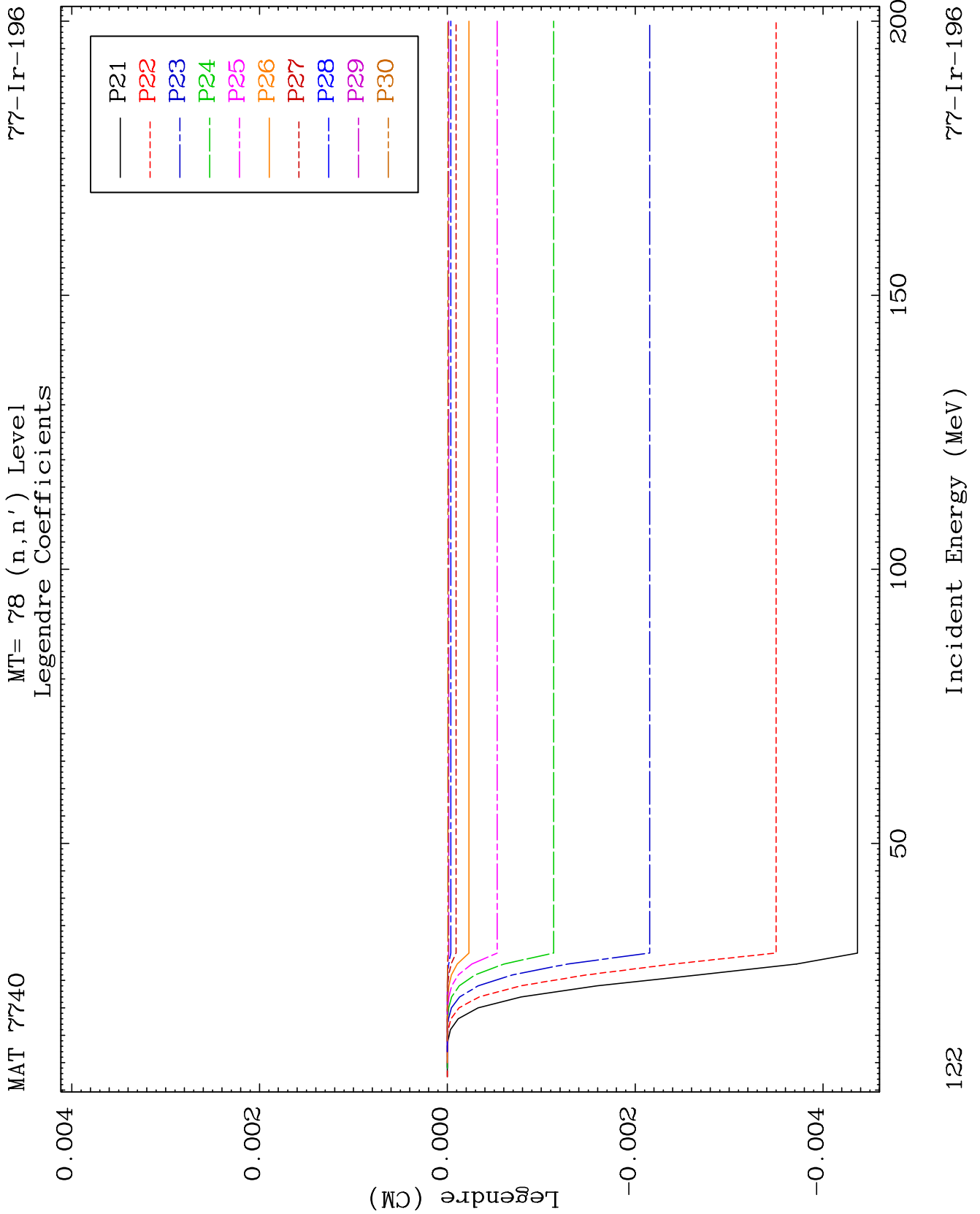


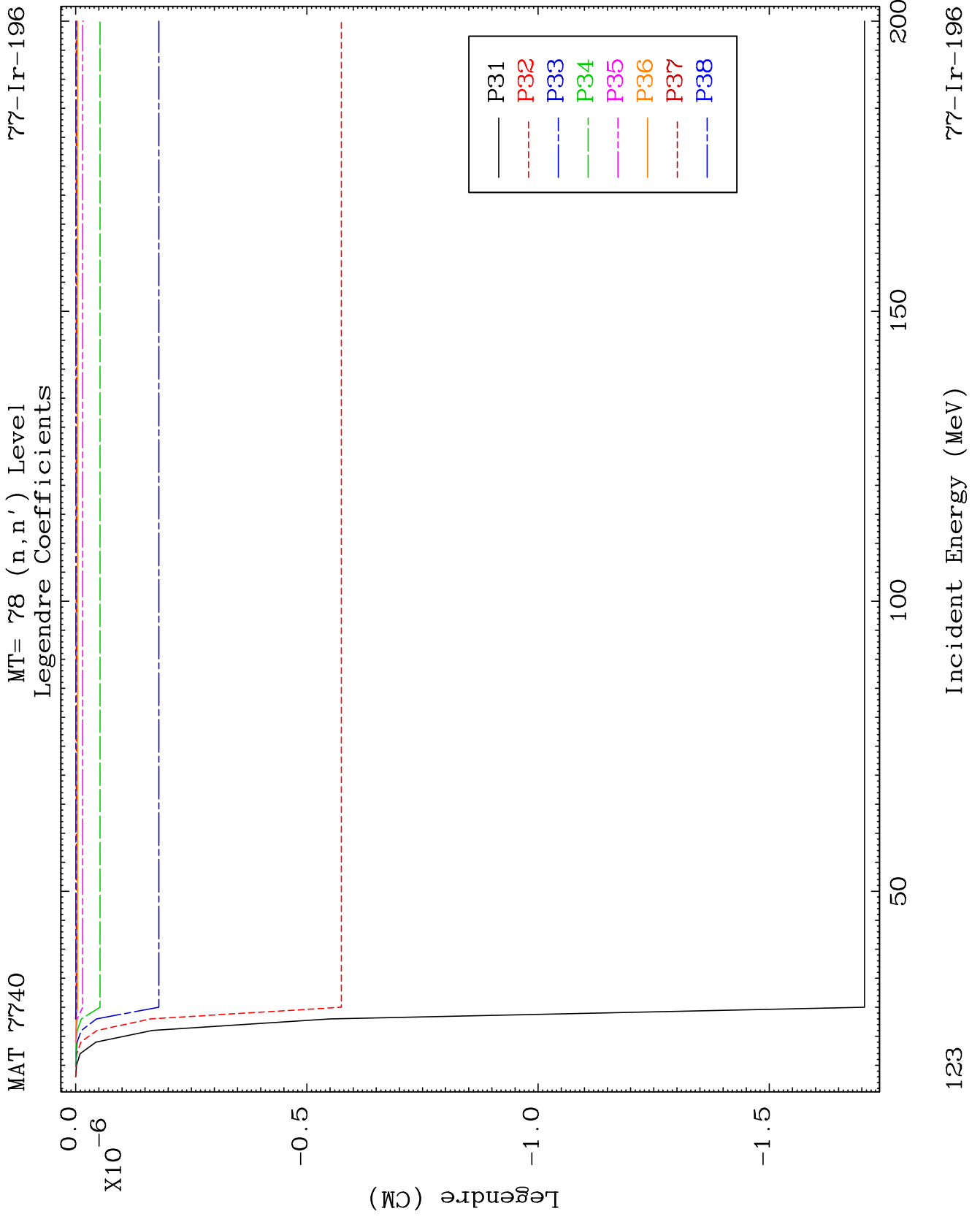
77-Ir-196

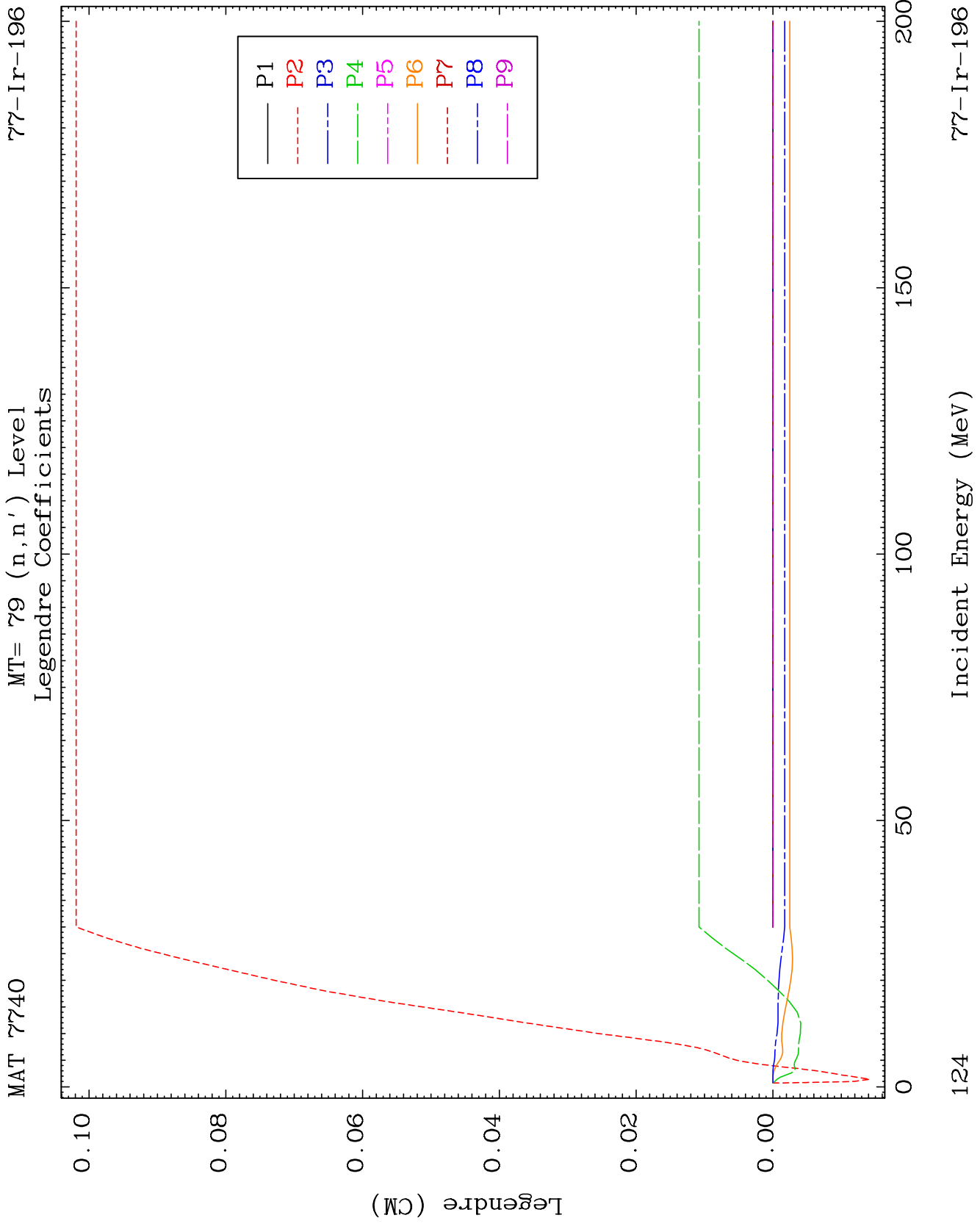
Incident Energy (MeV)

120





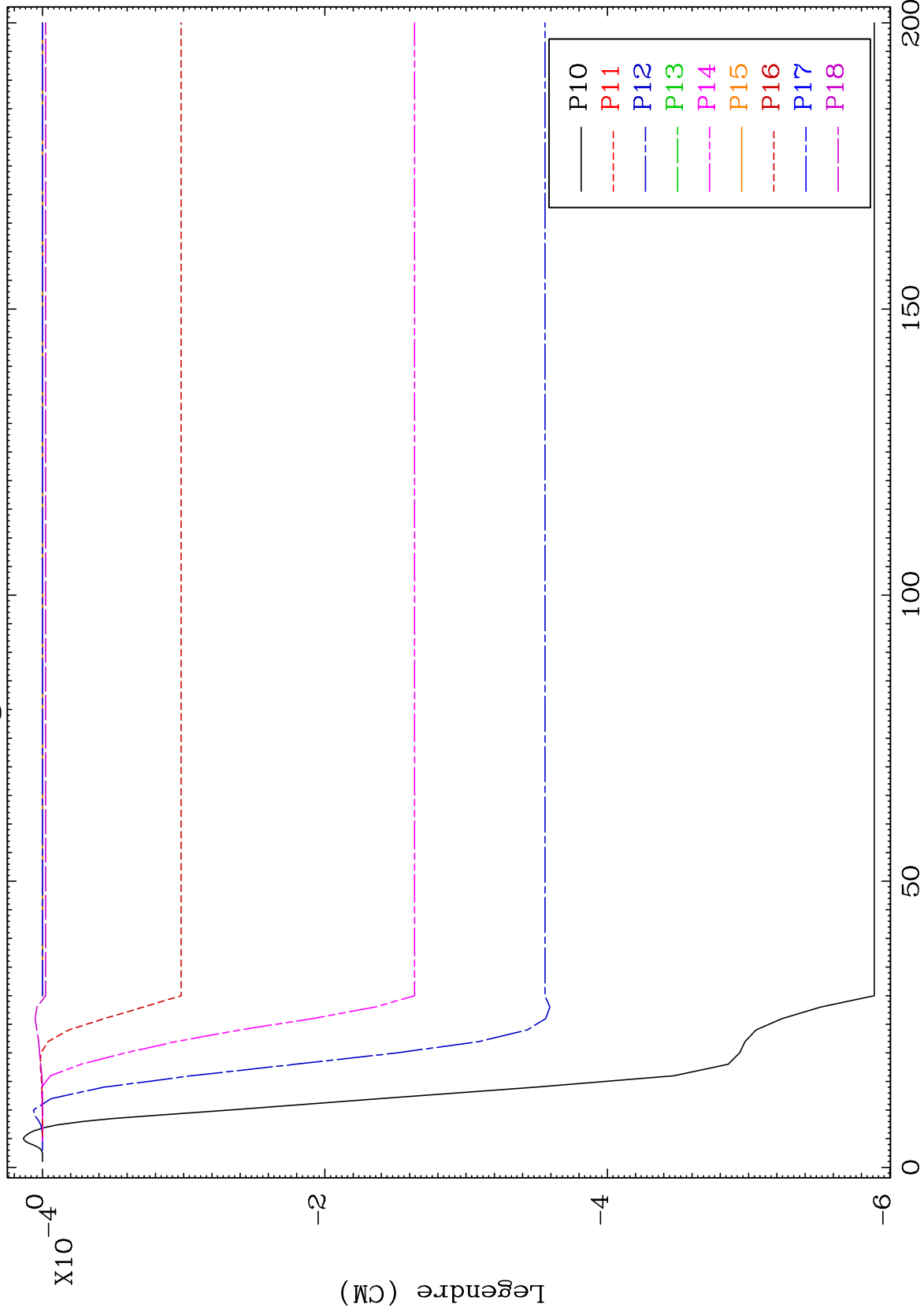




MAT 7740

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

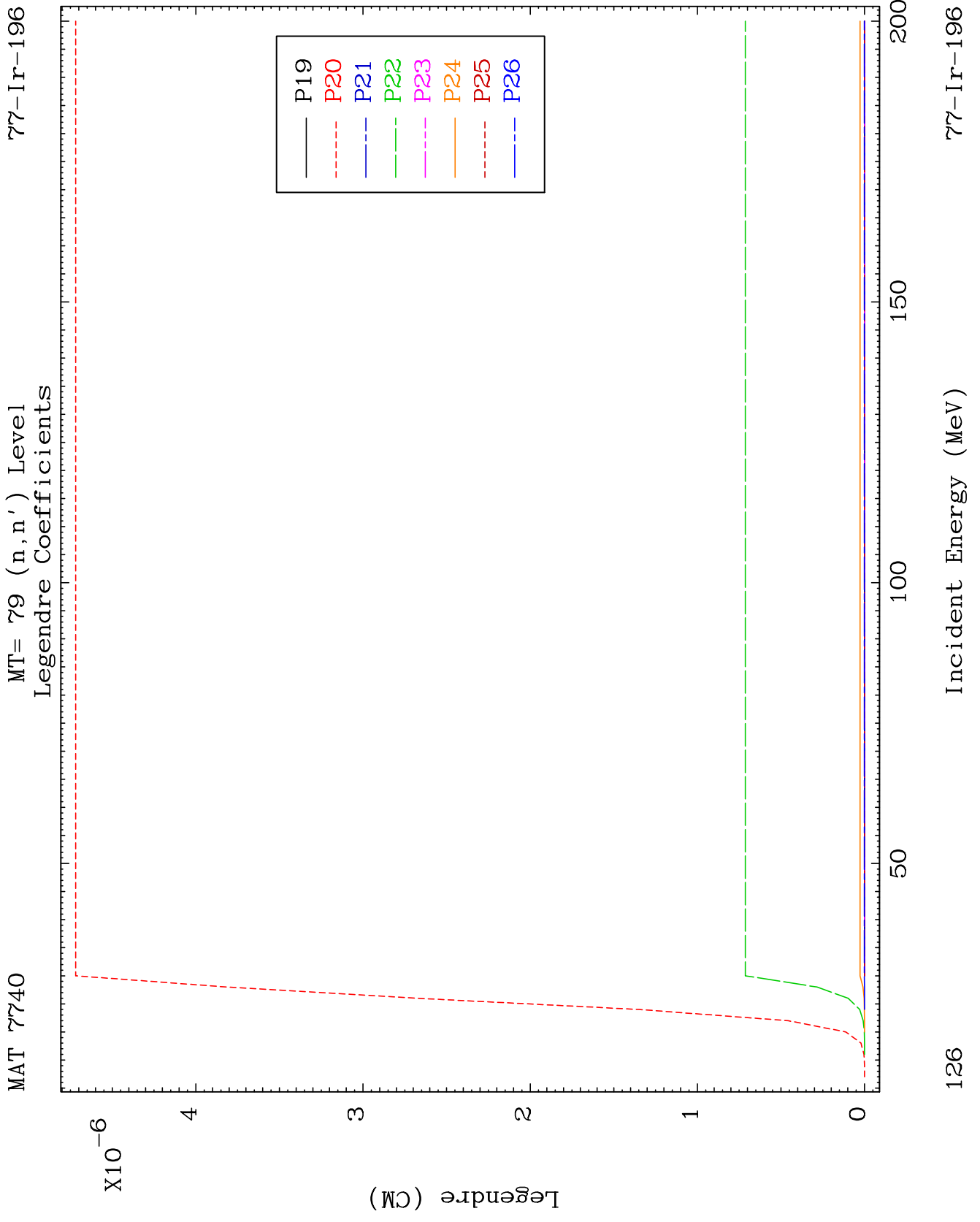
77-Ir-196

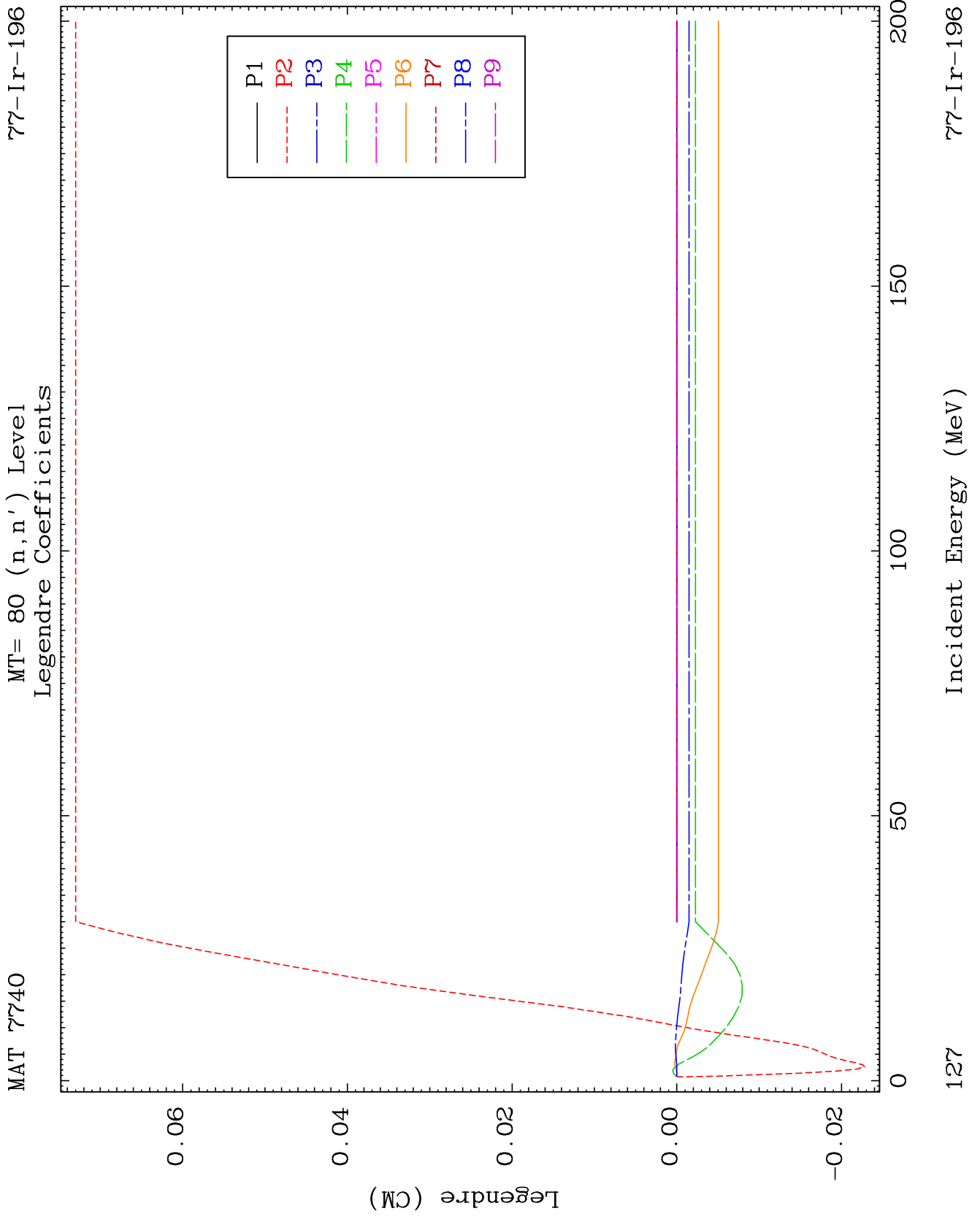


125

Incident Energy (MeV)

77-Ir-196





77-Ir-196

Incident Energy (MeV)

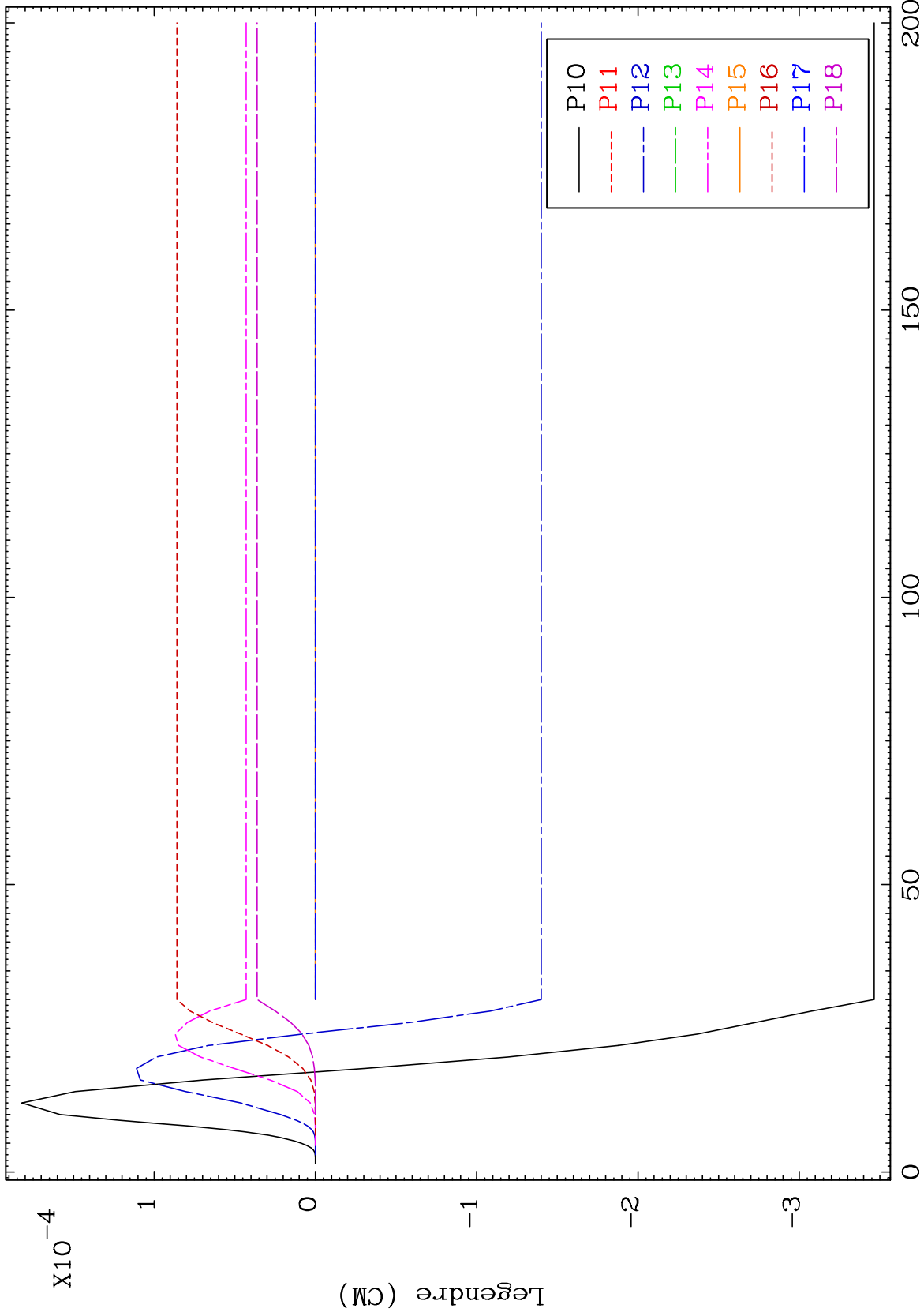
127



MAT 7740

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

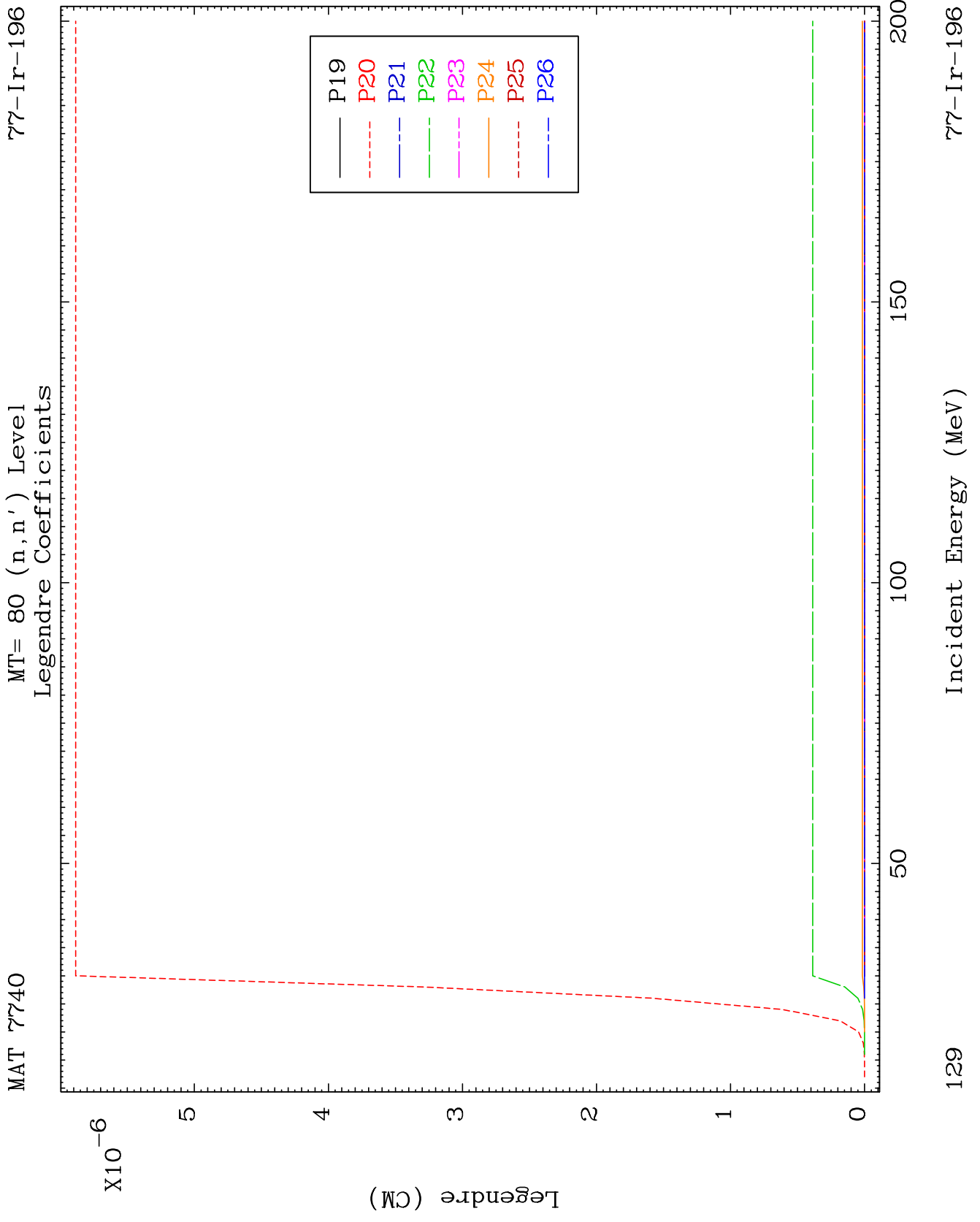
77-Ir-196



128

Incident Energy (MeV)

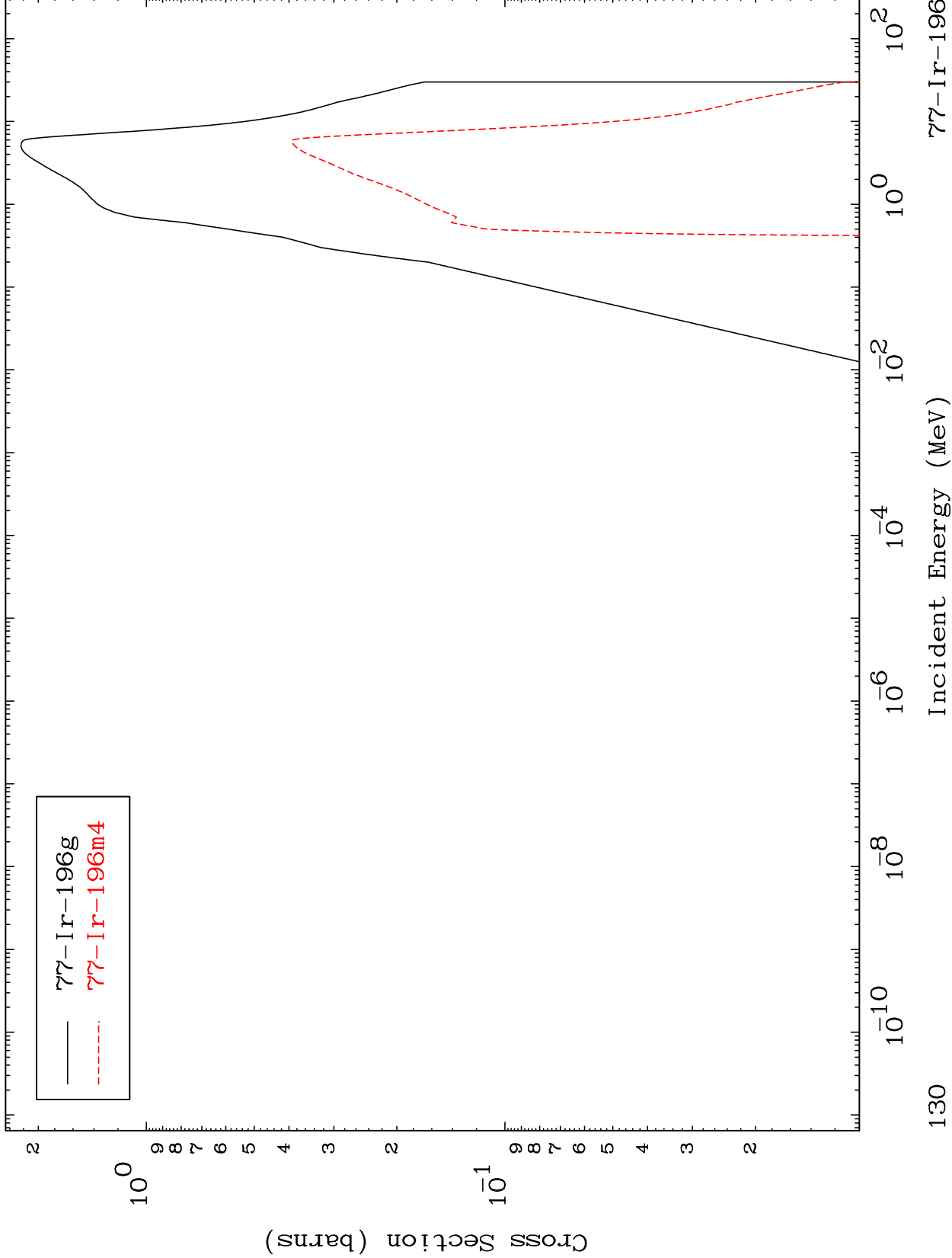
77-Ir-196



MAT 7740

Inelastic  
Radionuclide Production Cross Section

<sup>77</sup>Ir-196



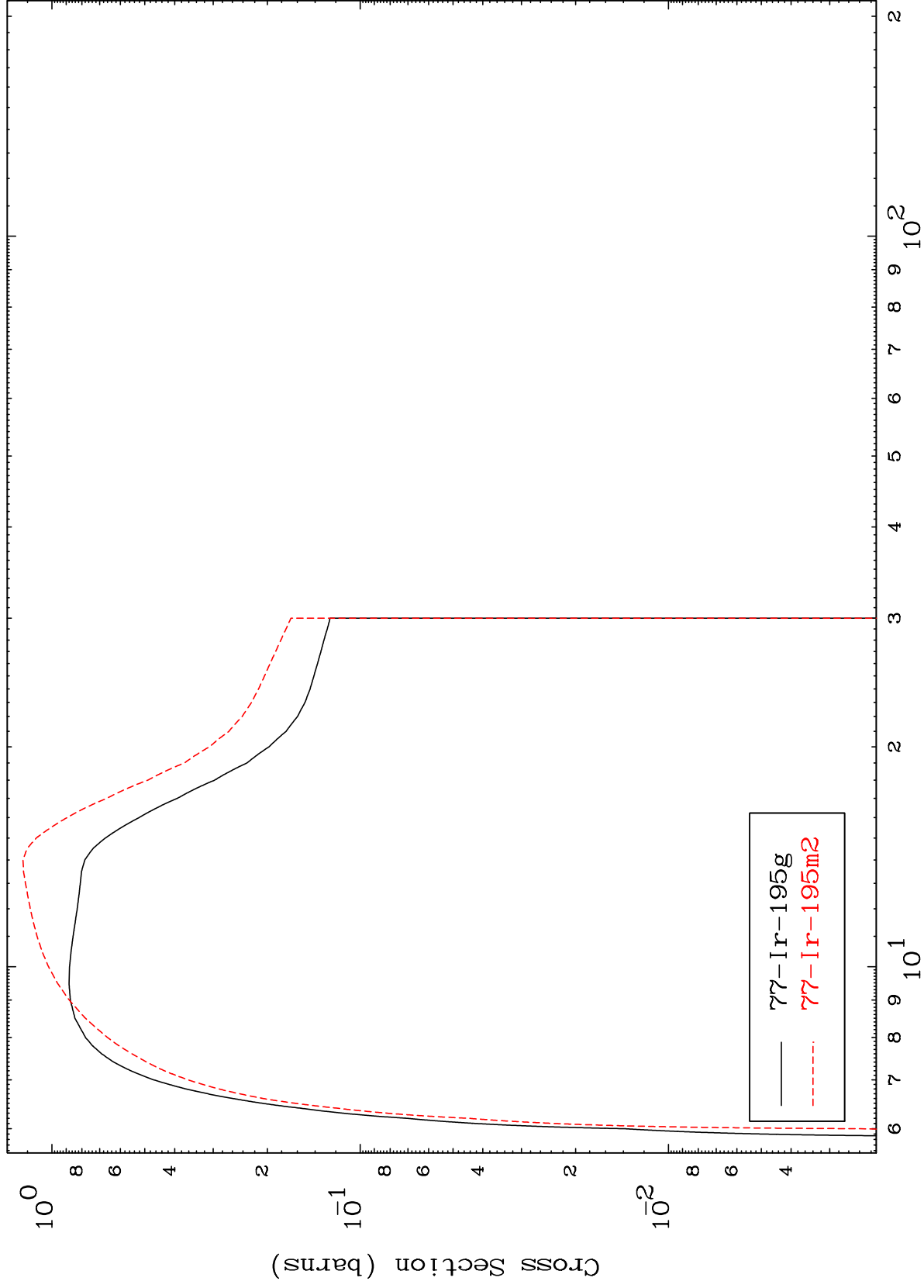
— <sup>77</sup>Ir-196g  
- - - <sup>77</sup>Ir-196m4

MAT 7740

(n,2n)

<sup>77</sup>Ir-196

Radionuclide Production Cross Section



— <sup>77</sup>Ir-195g  
- - - <sup>77</sup>Ir-195m2

131

Incident Energy (MeV)

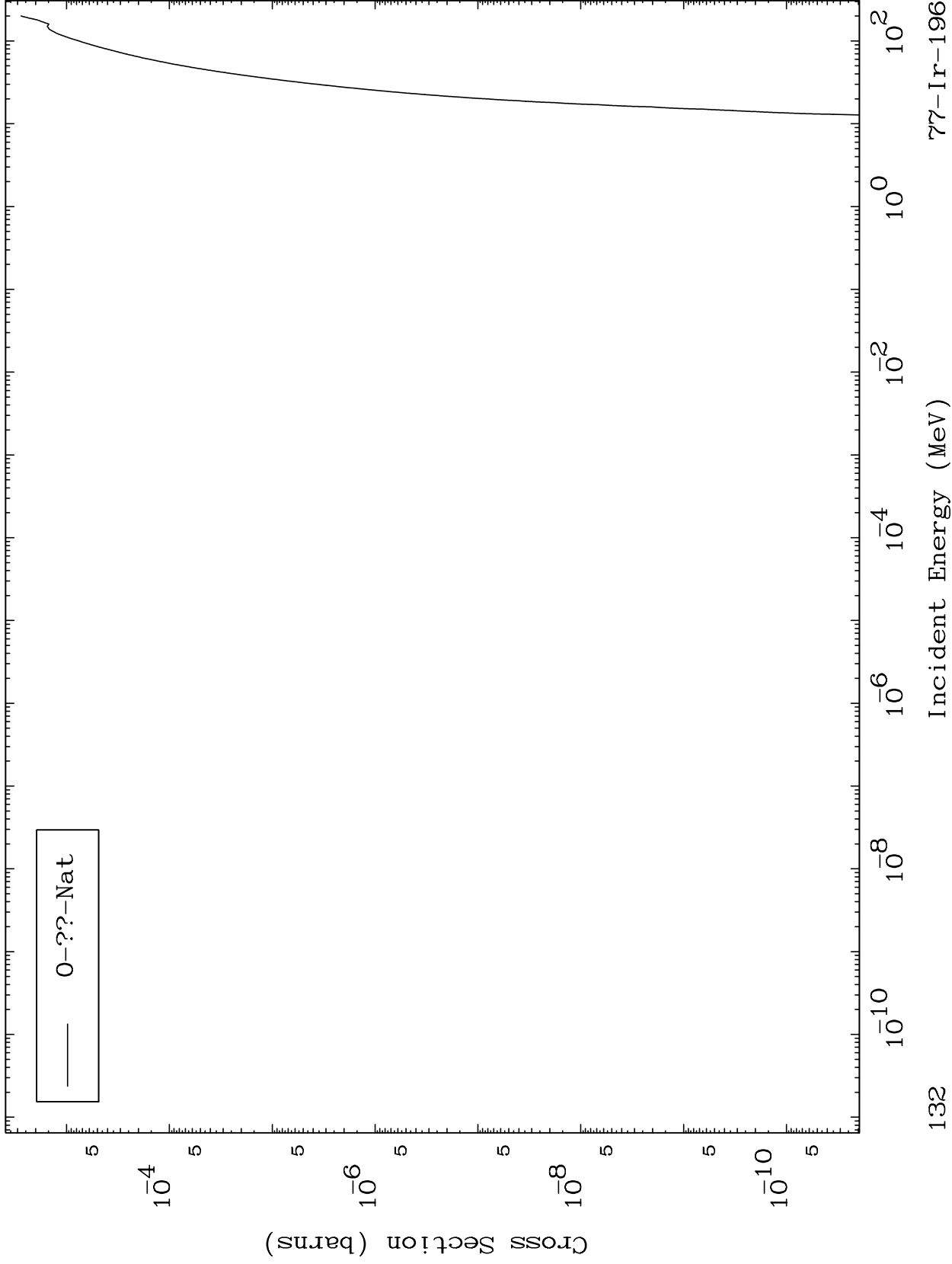
<sup>77</sup>Ir-196

MAT 7740

Fission

<sup>77</sup>Ir-196

Radionuclide Production Cross Section

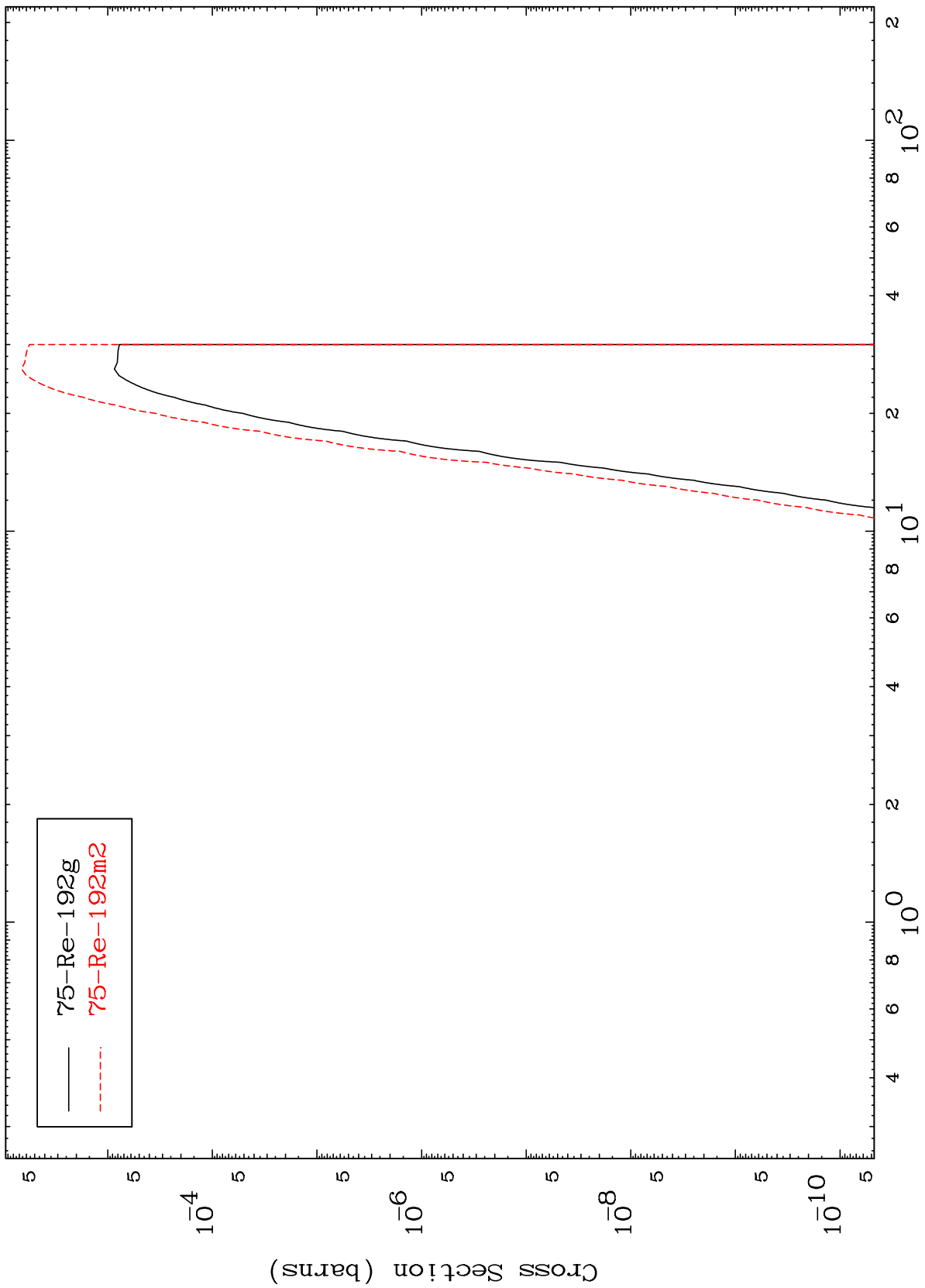


MAT 7740

(n,n')  $\alpha$

77-Ir-196

Radionuclide Production Cross Section



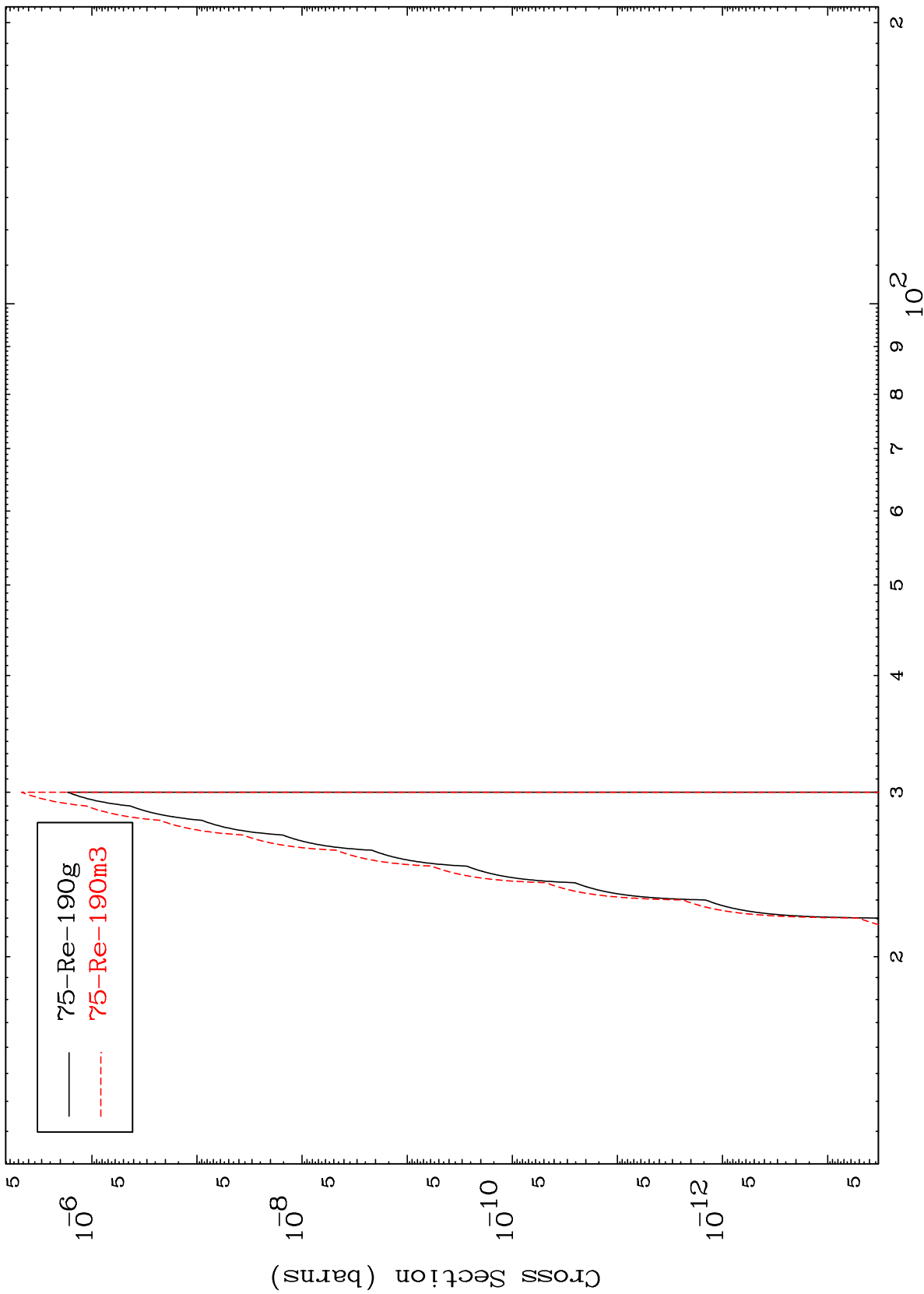
75-Re-192g  
75-Re-192m2

MAT 7740

(n,3n)  $\alpha$

77-Ir-196

Radionuclide Production Cross Section



134

Incident Energy (MeV)

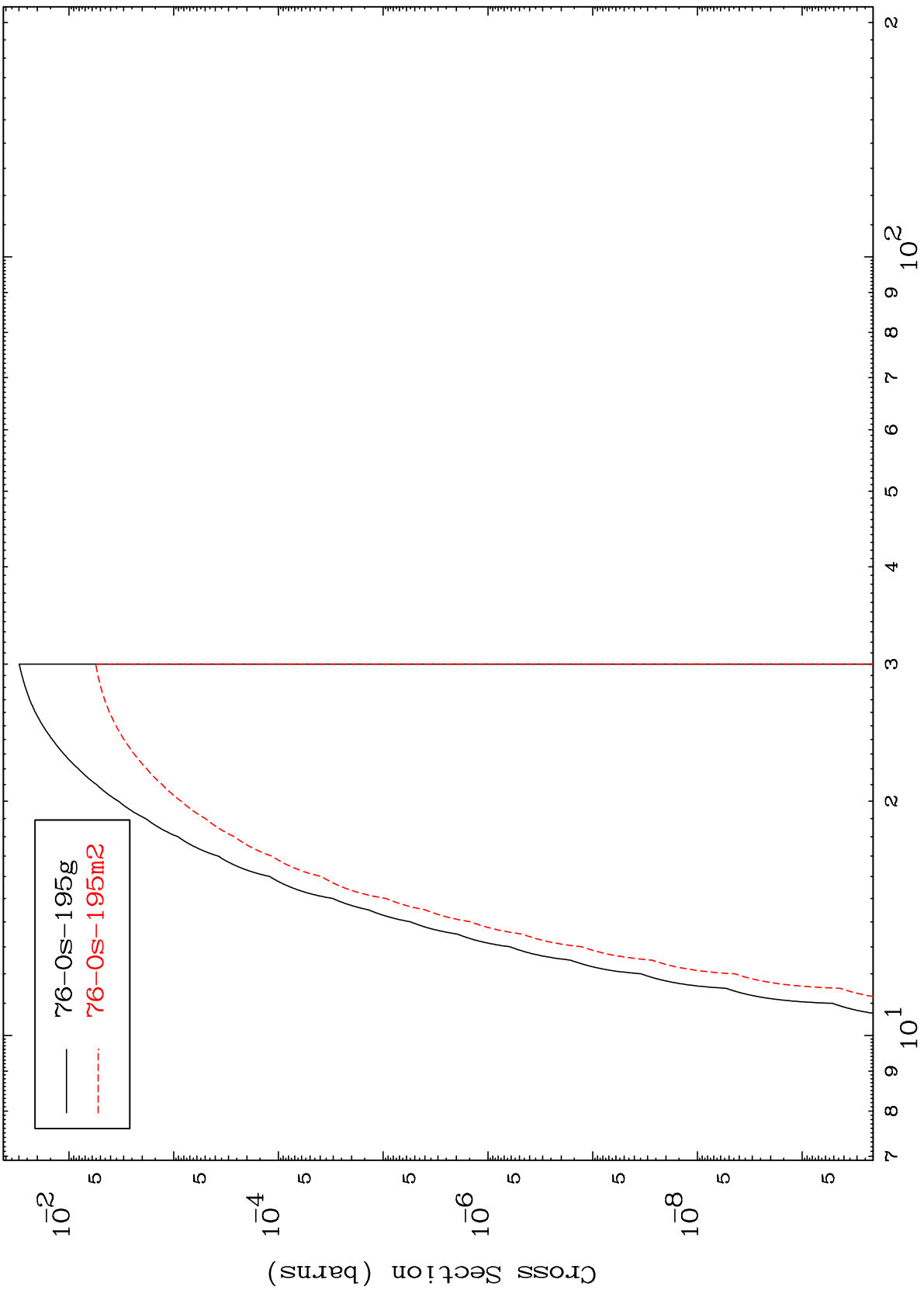
77-Ir-196

MAT 7740

(n,n') p

<sup>77</sup>Ir-196

Radionuclide Production Cross Section



135

Incident Energy (MeV)

<sup>77</sup>Ir-196

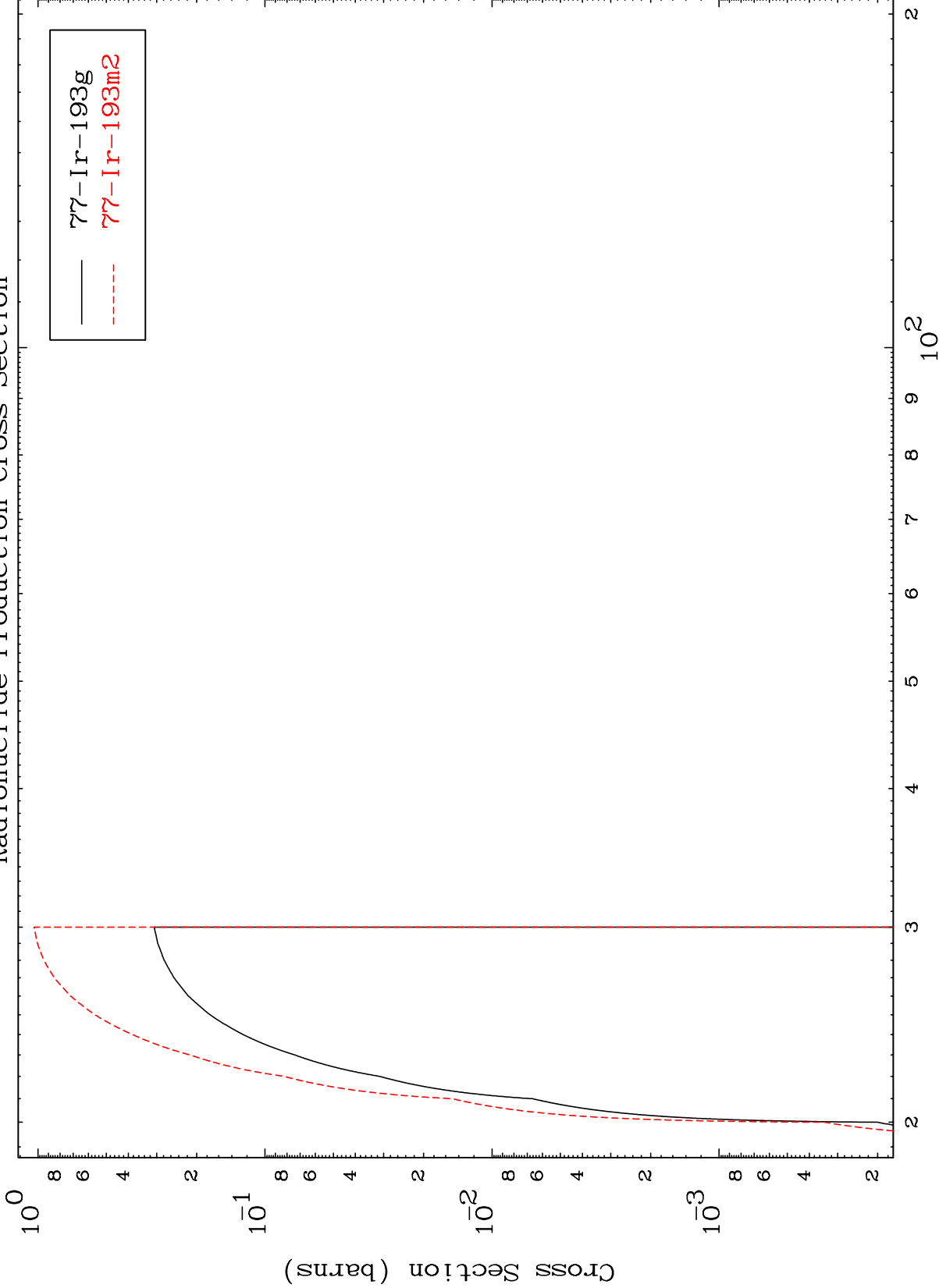


MAT 7740

(n,4n)

77-Ir-196

Radionuclide Production Cross Section



136

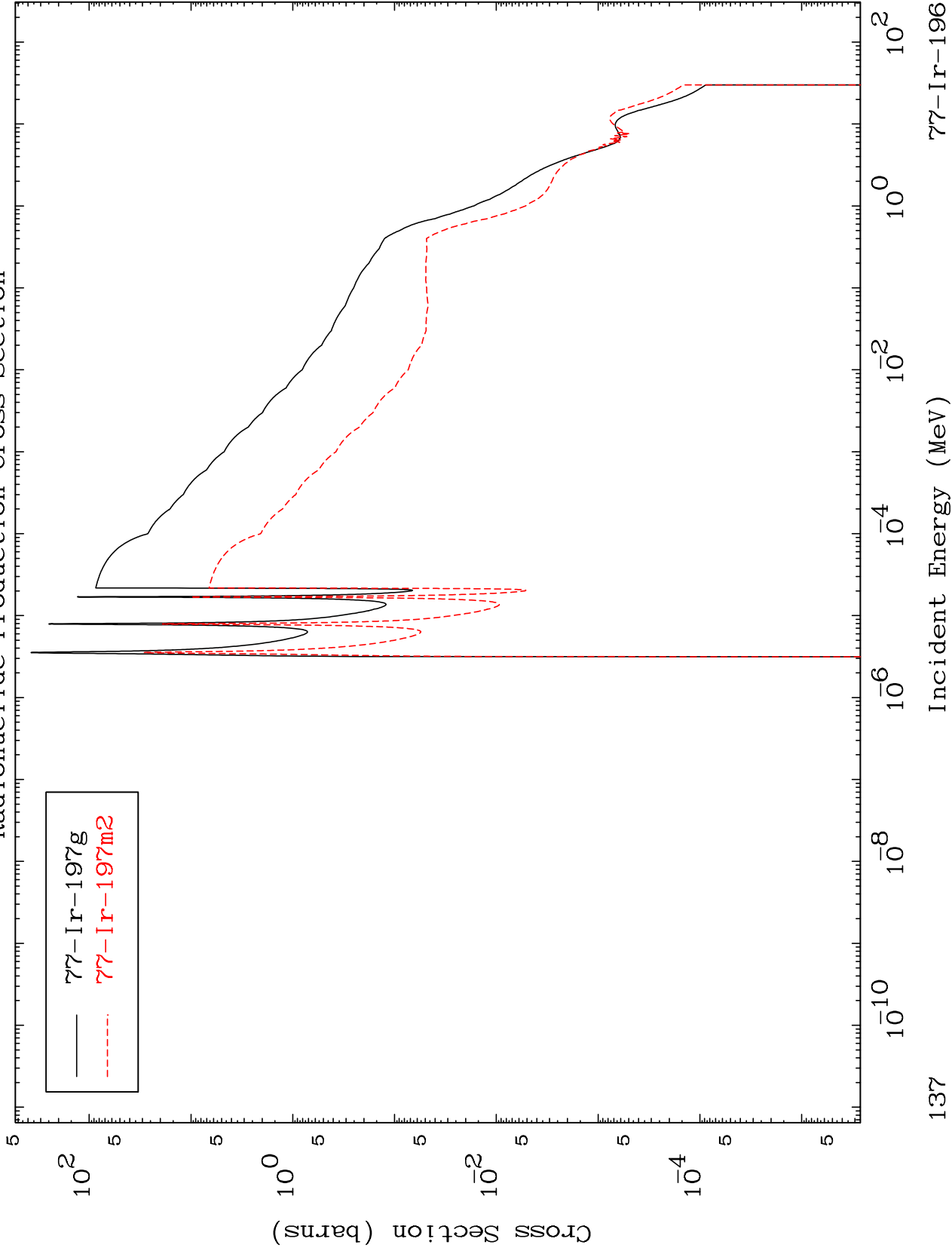
Incident Energy (MeV)

77-Ir-196

MAT 7740

<sup>77</sup>Ir-196

Radionuclide Production Cross Section (n,γ)



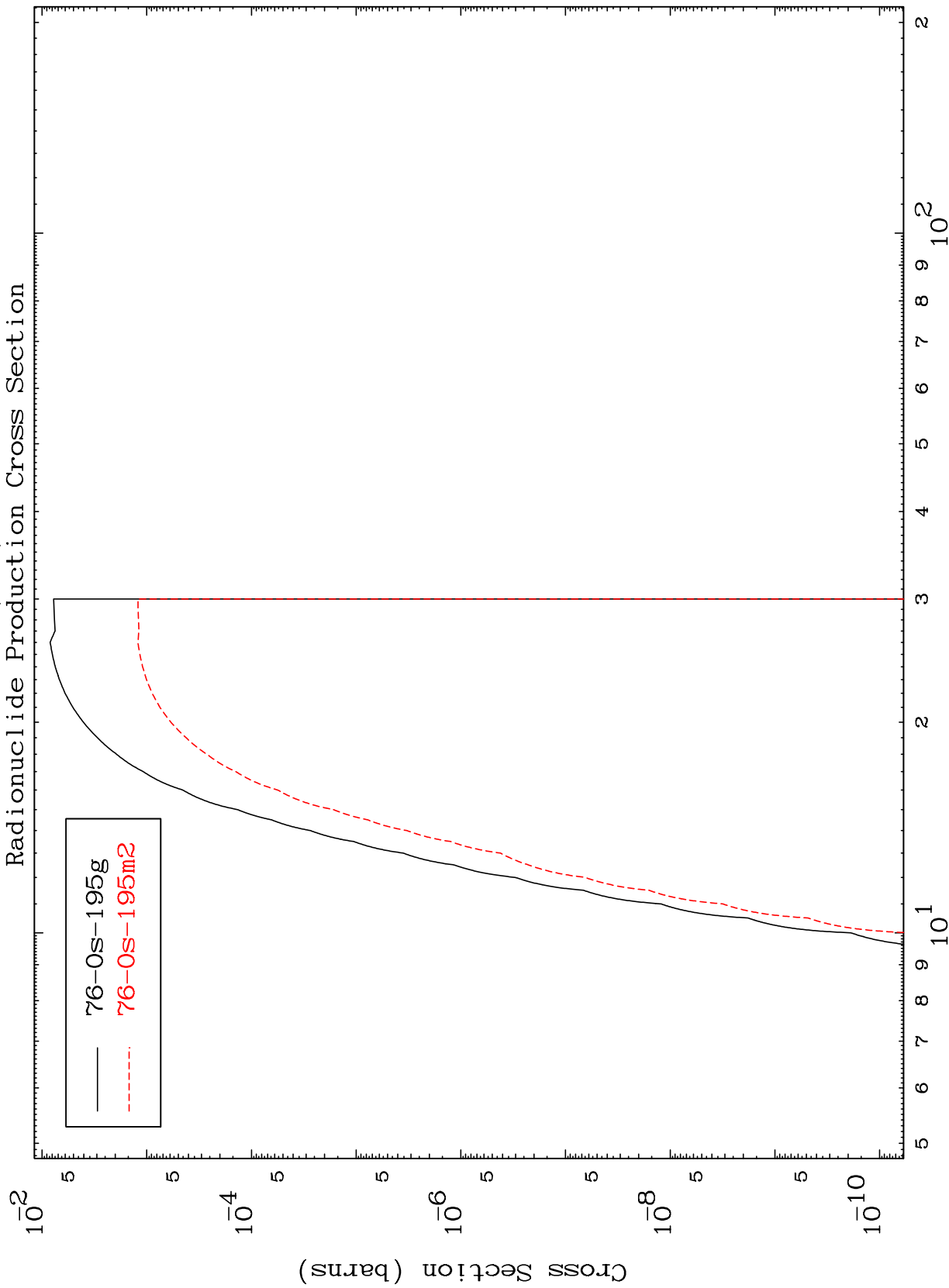
137

MAT 7740

(n,d)

<sup>77</sup>Ir-196

Radionuclide Production Cross Section



138

Incident Energy (MeV)

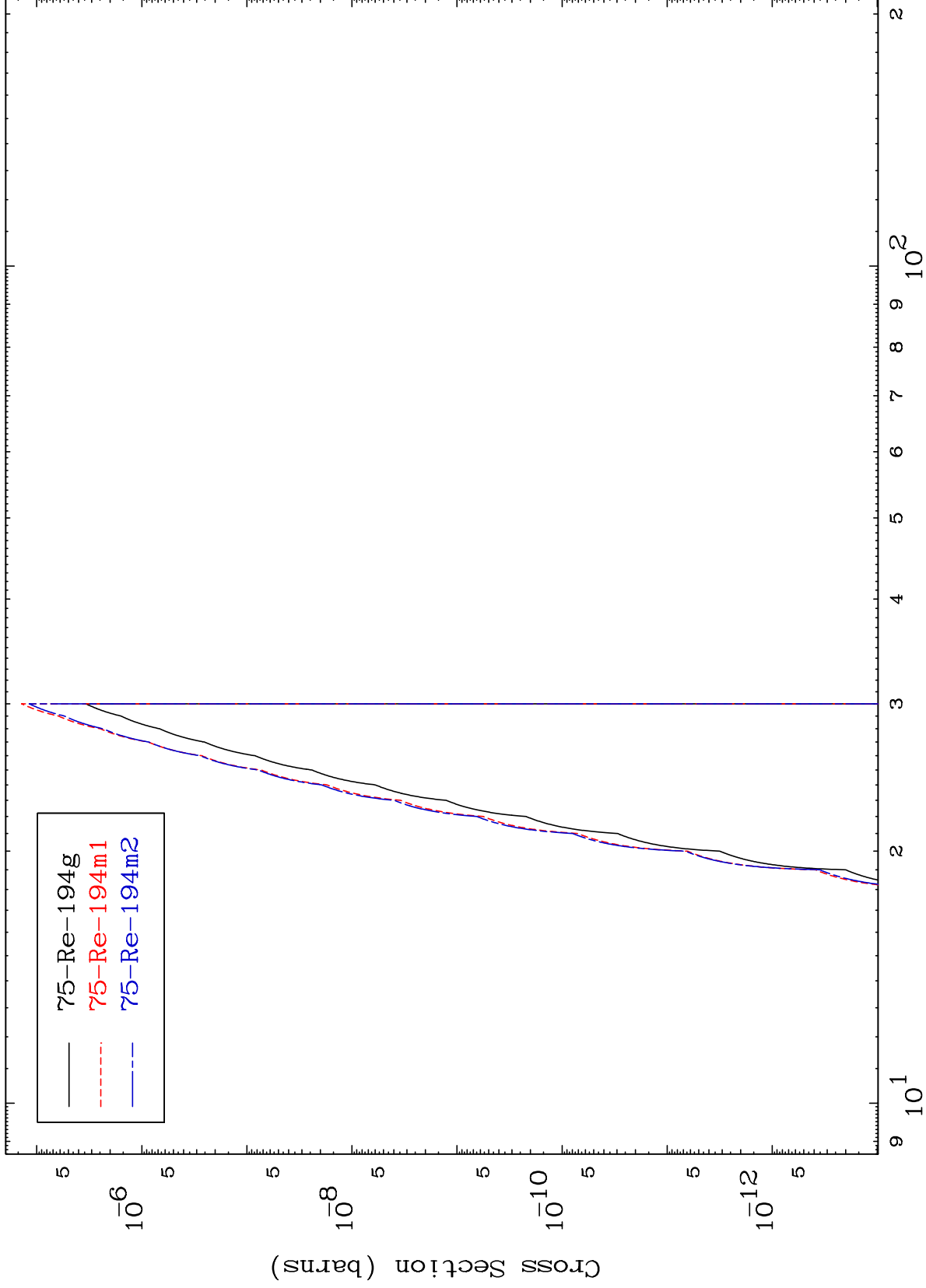
<sup>77</sup>Ir-196

MAT 7740

(n,He-3)

77-Ir-196

Radionuclide Production Cross Section



139

Incident Energy (MeV)

77-Ir-196