

Program EVALPLOT  
(Version 2021-1)

by

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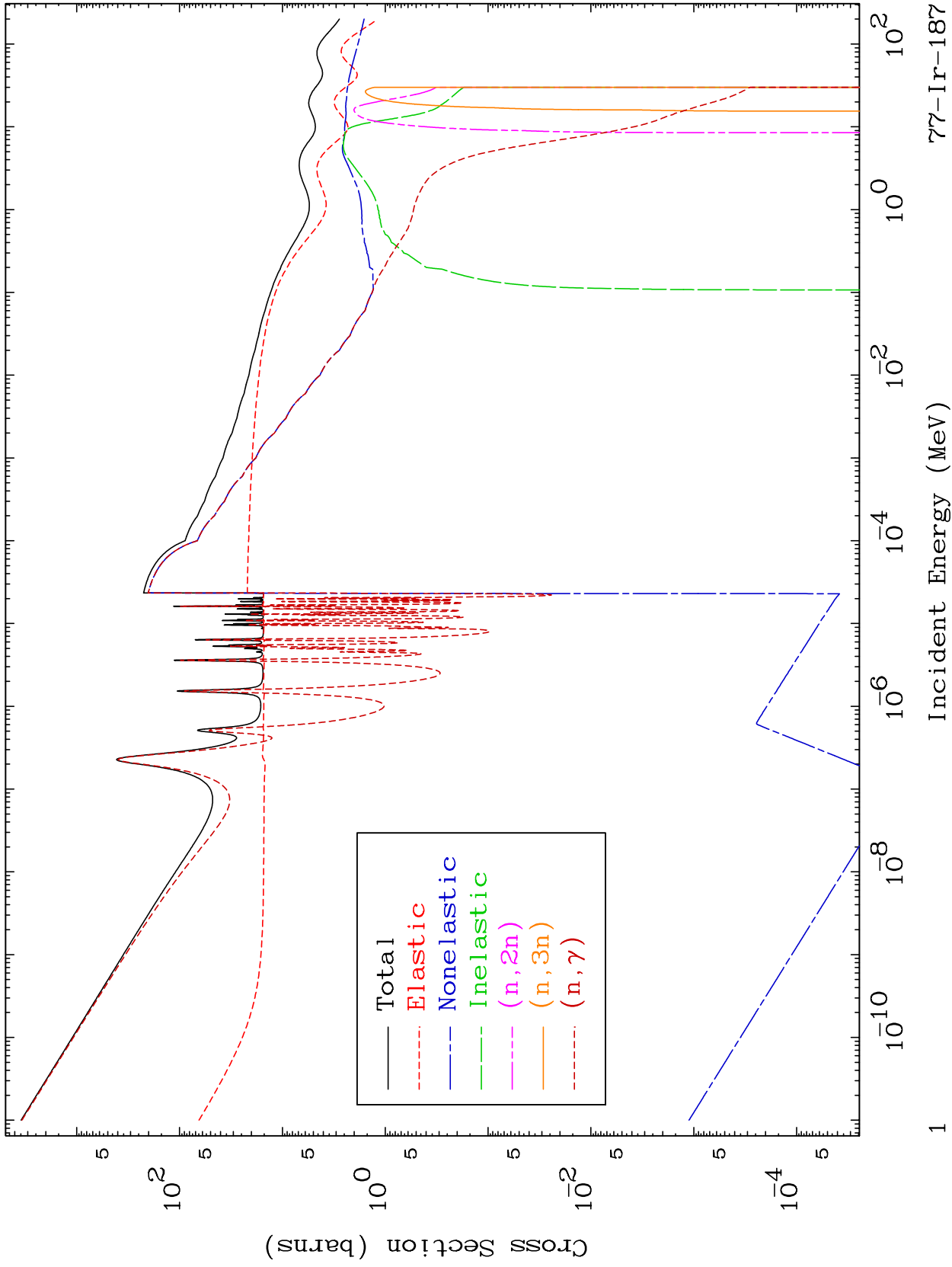
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Press Mouse Button to Start

MAT 7713

Neutron Major  
293 Kelvin Cross Sections

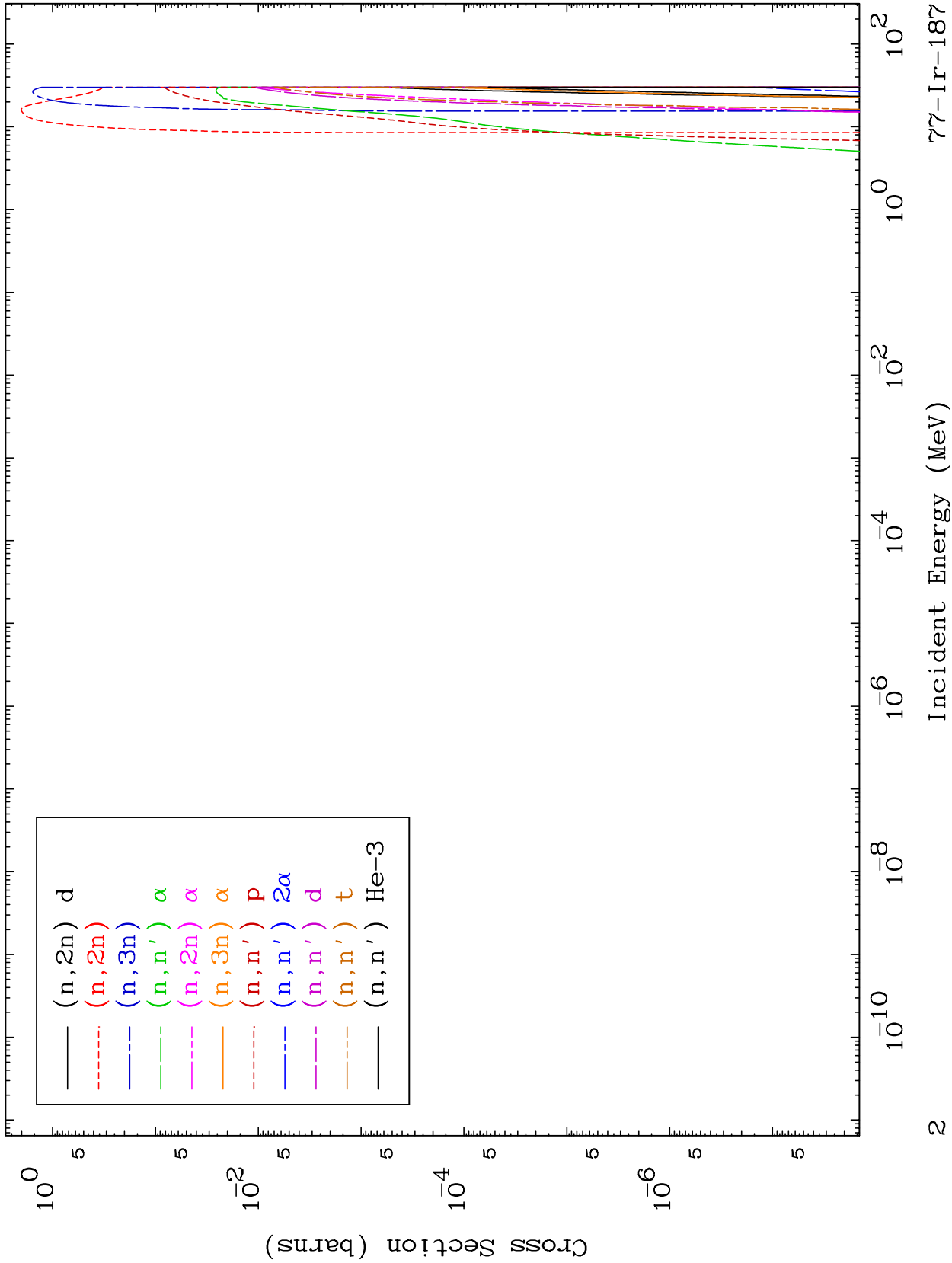
77-Ir-187



MAT 7713

Neutron Absorption  
293 Kelvin Cross Sections

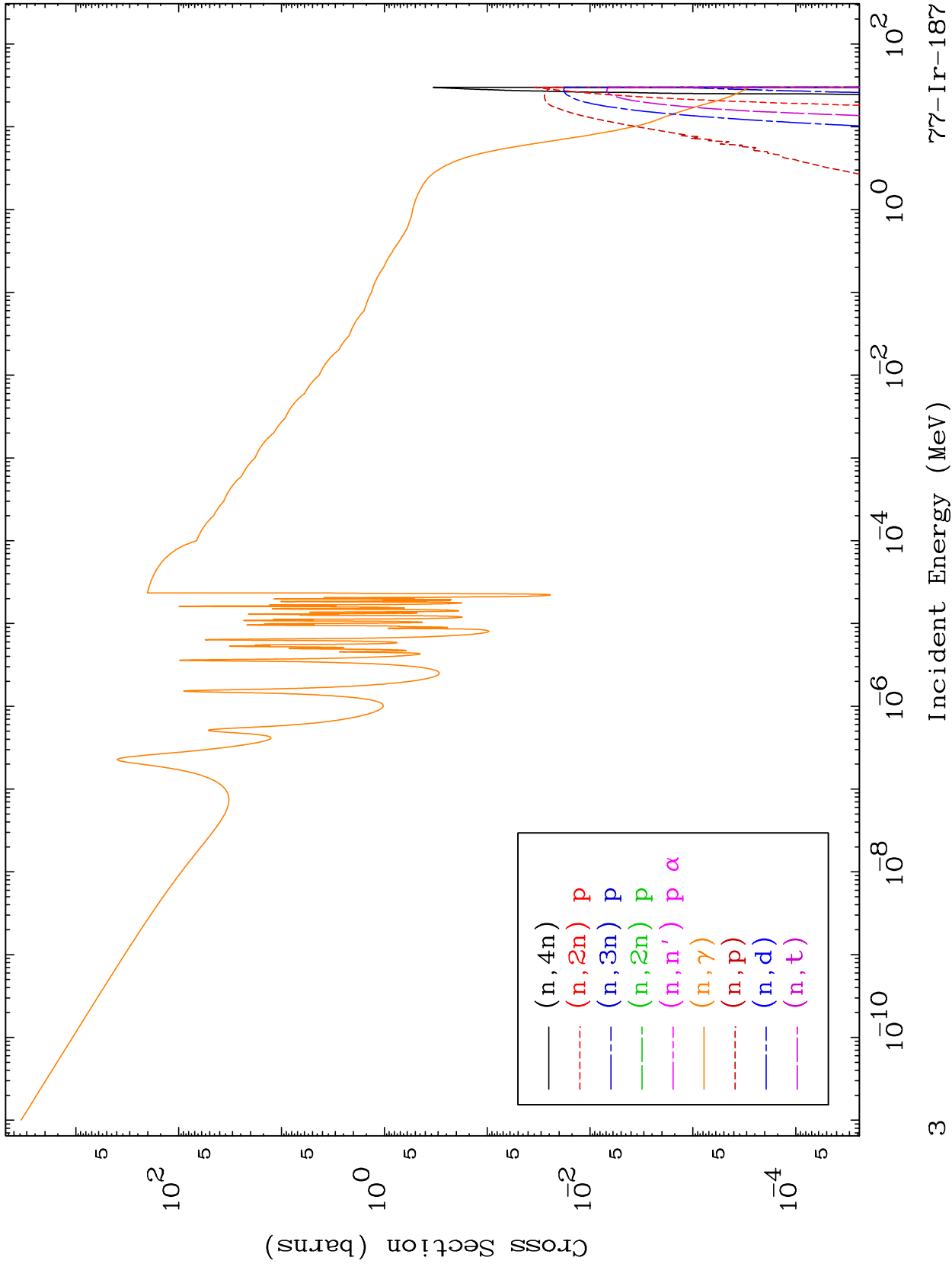
77-Ir-187

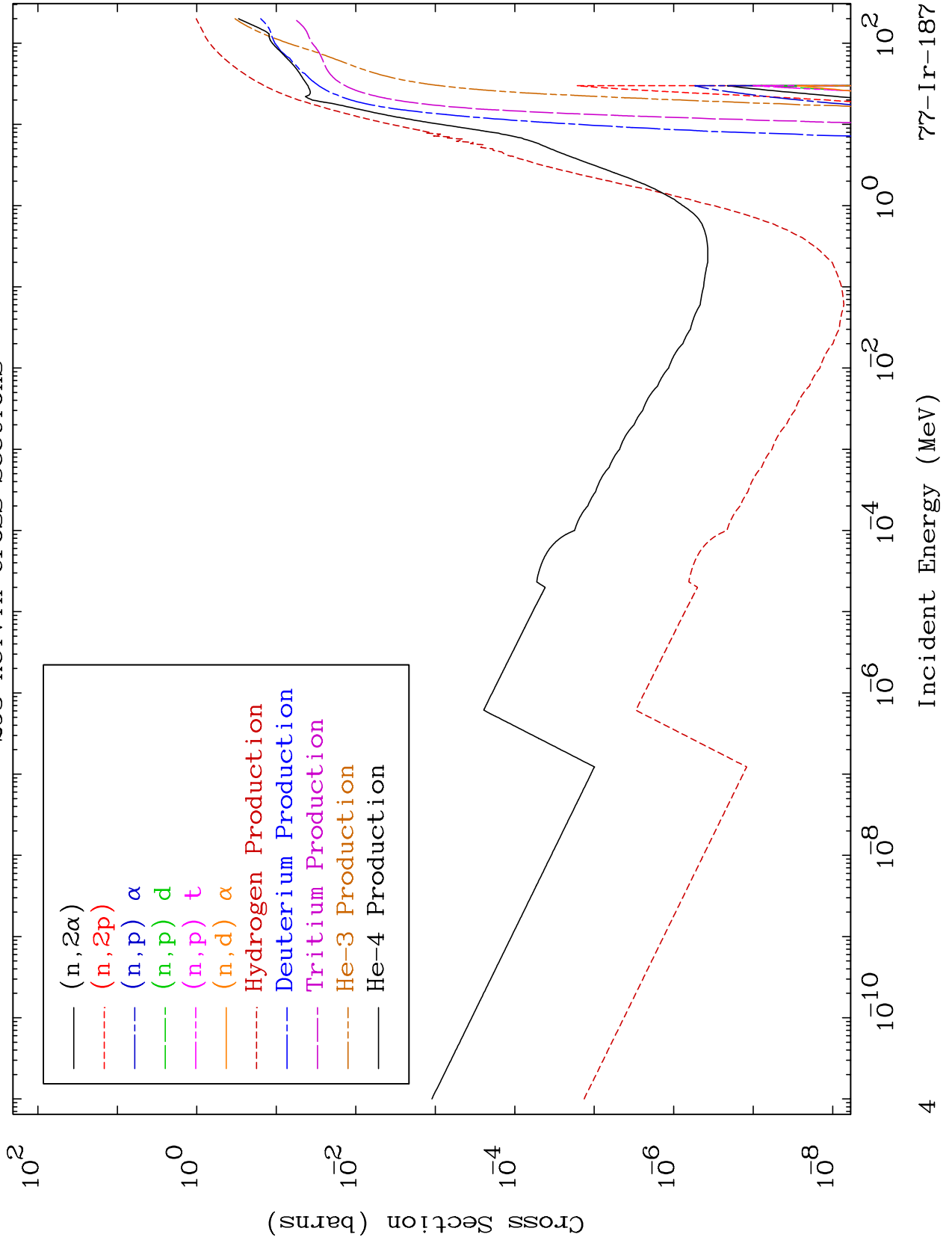


MAT 7713

Neutron Absorption  
293 Kelvin Cross Sections

77-Ir-187

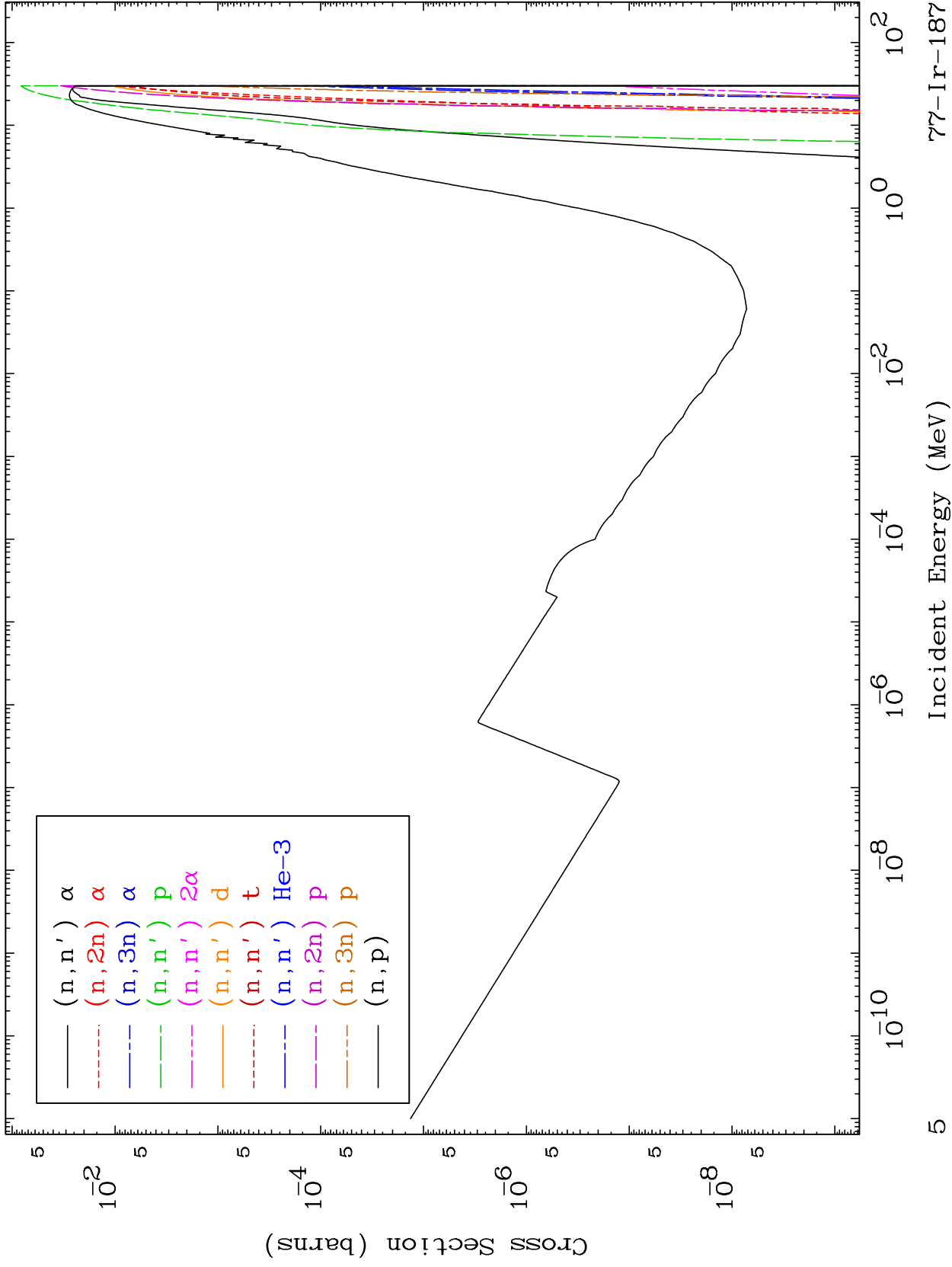




MAT 7713

Charged Particle  
293 Kelvin Cross Sections

77-Ir-187



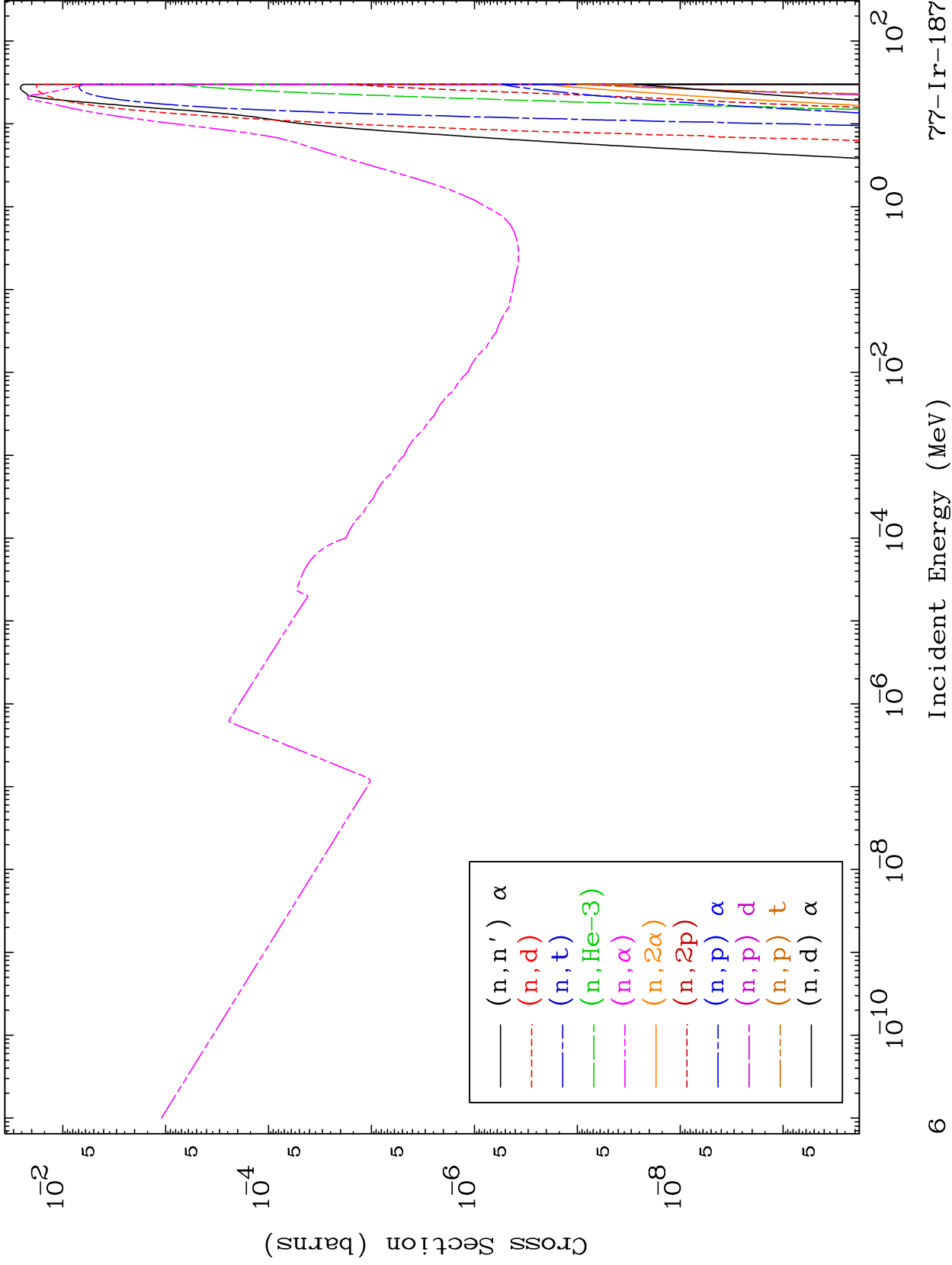
5

77-Ir-187

MAT 7713

Charged Particle  
293 Kelvin Cross Sections

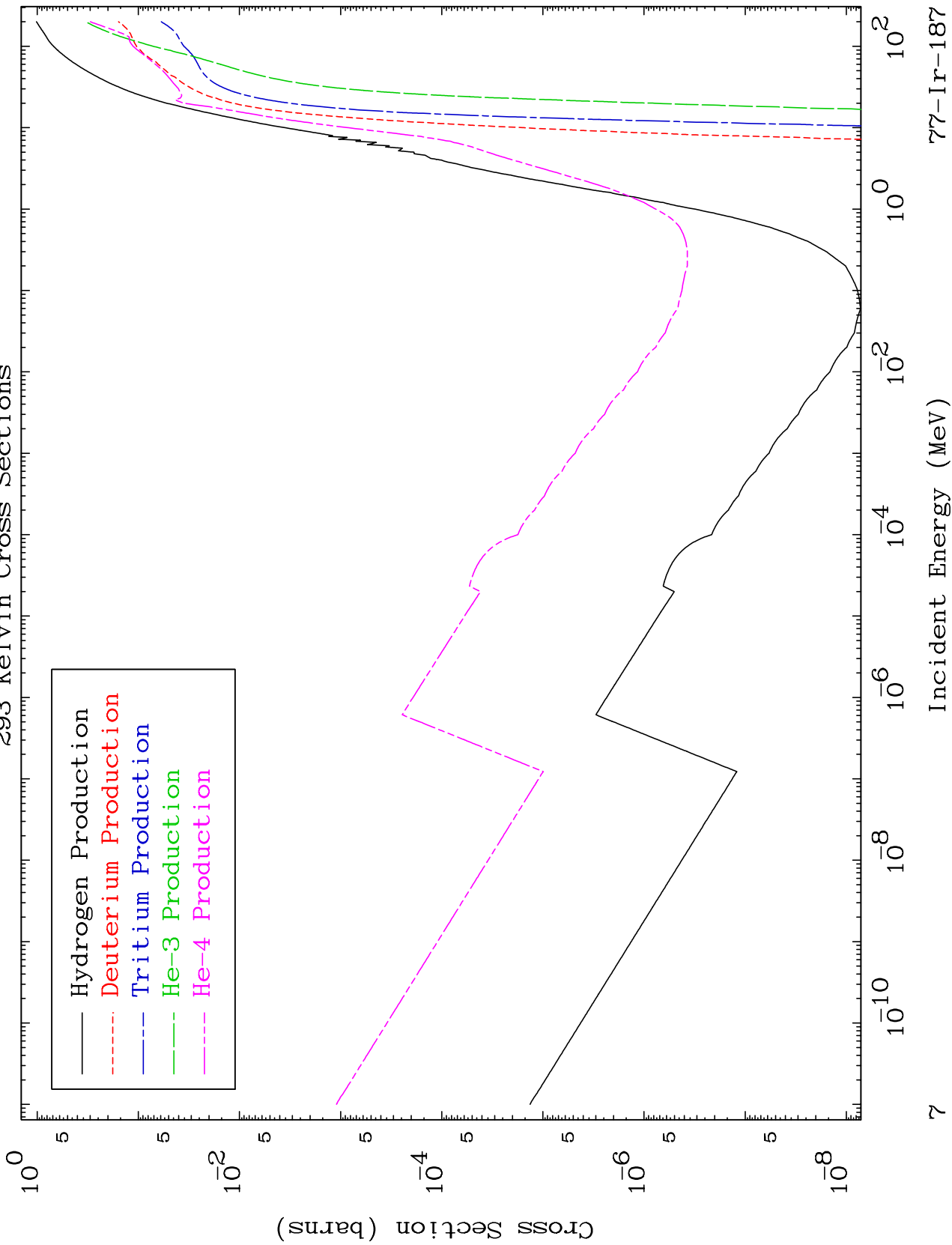
77-Ir-187



MAT 7713

Particle Production  
293 Kelvin Cross Sections

77-Ir-187

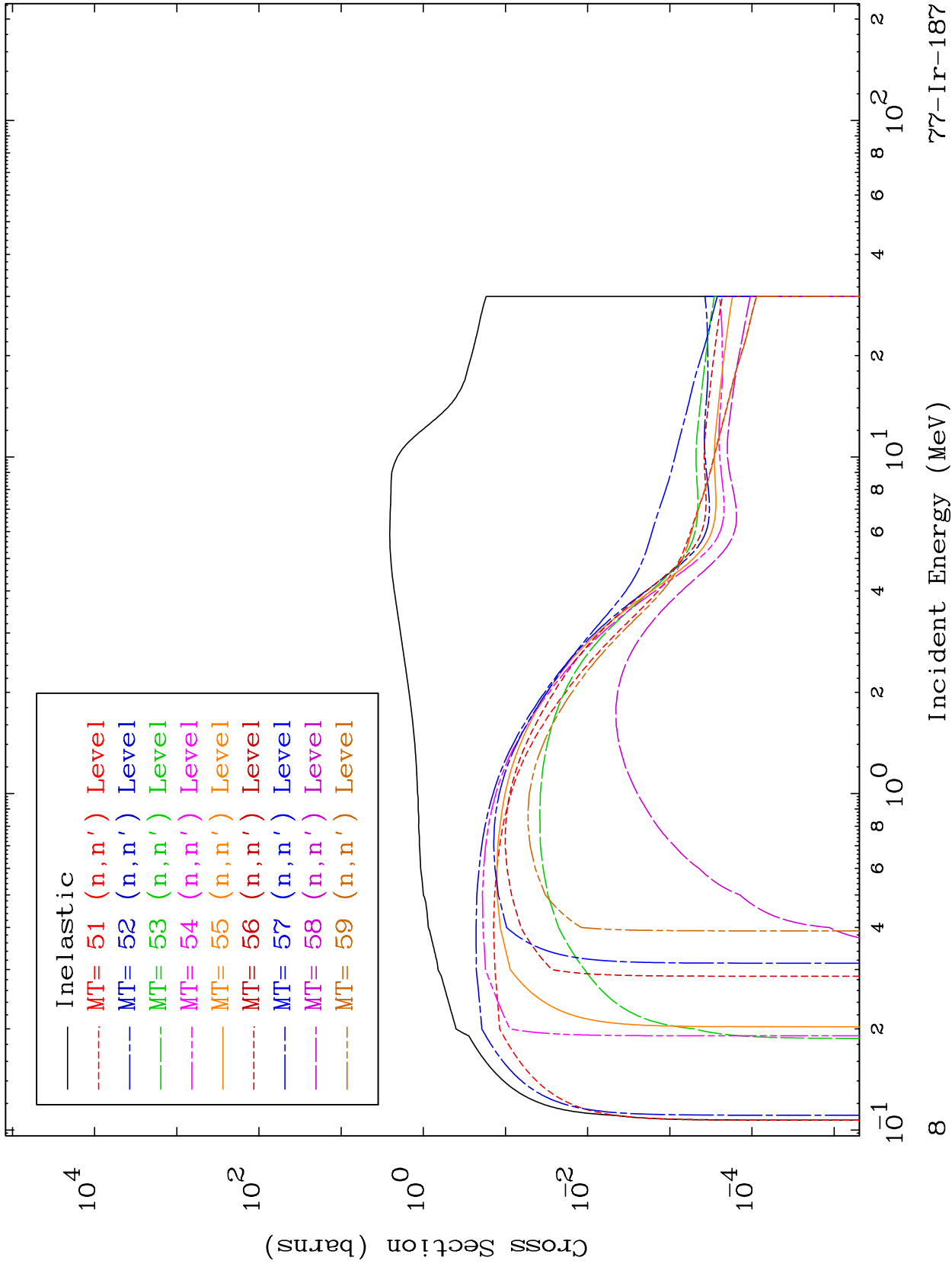




MAT 7713

(n,n') Levels  
293 Kelvin Cross Sections

77-Ir-187



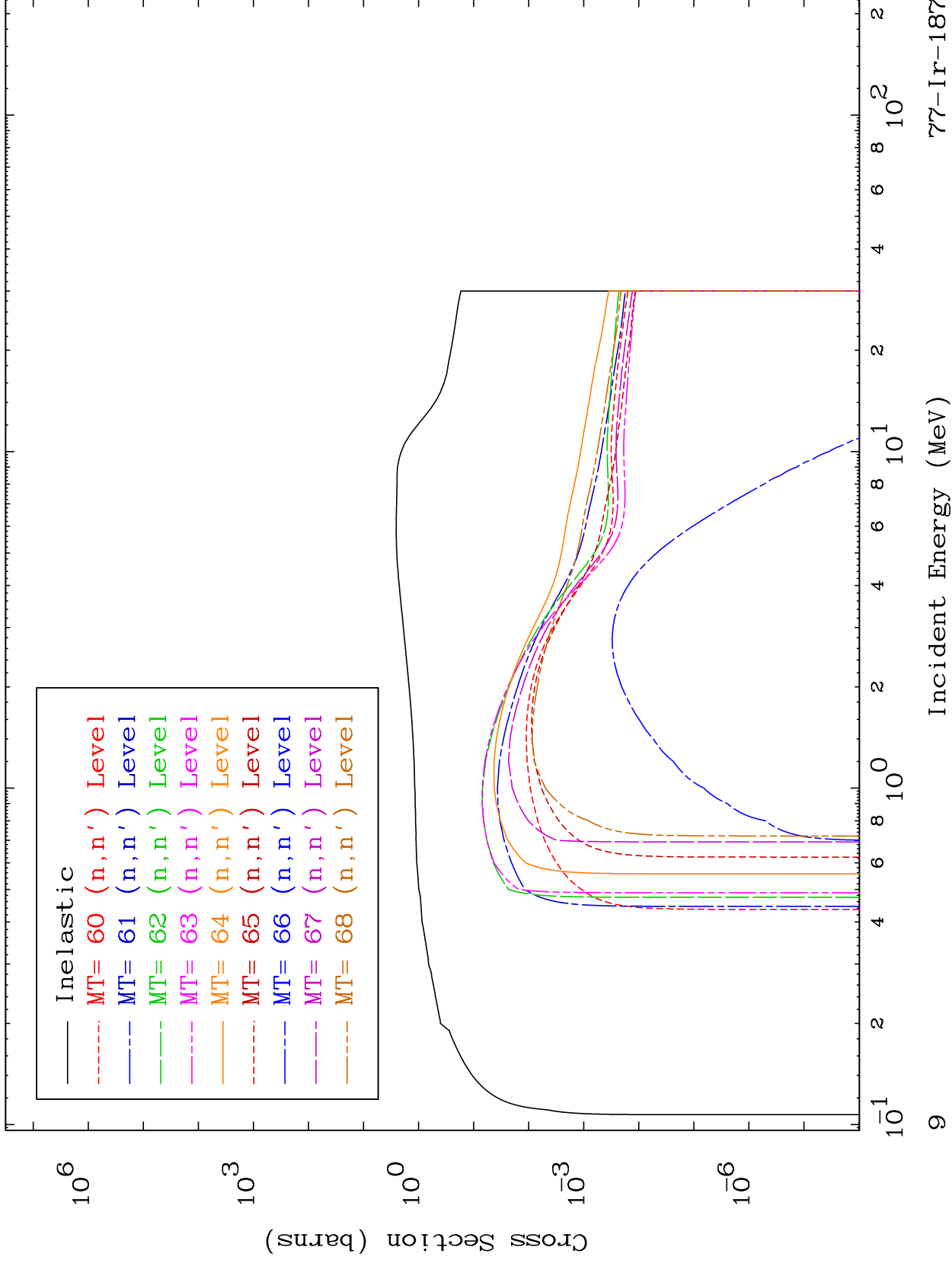
Incident Energy (MeV)

77-Ir-187

MAT 7713

(n,n') Levels  
293 Kelvin Cross Sections

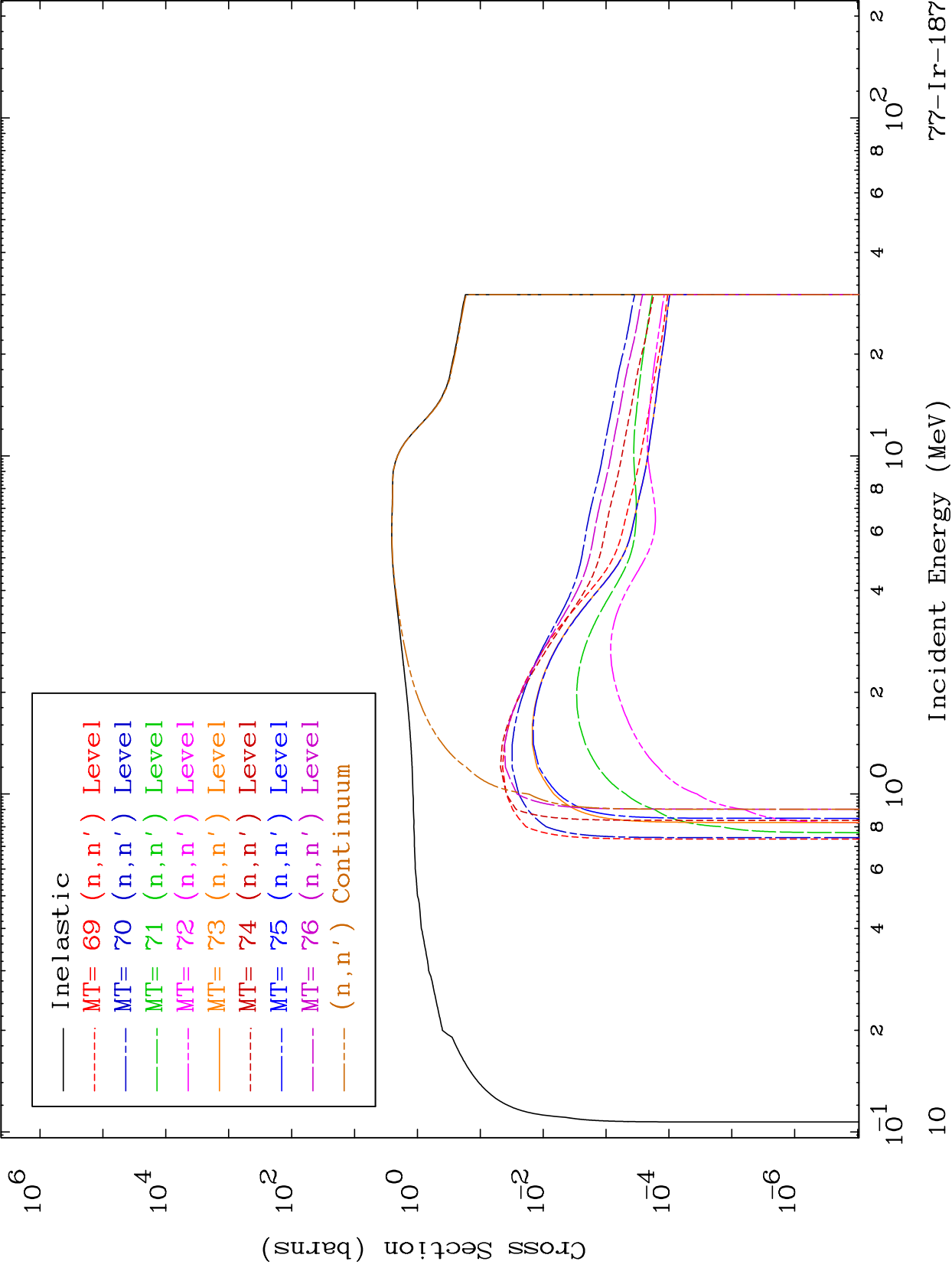
77-Ir-187



MAT 7713

(n,n') Levels  
293 Kelvin Cross Sections

77-Ir-187



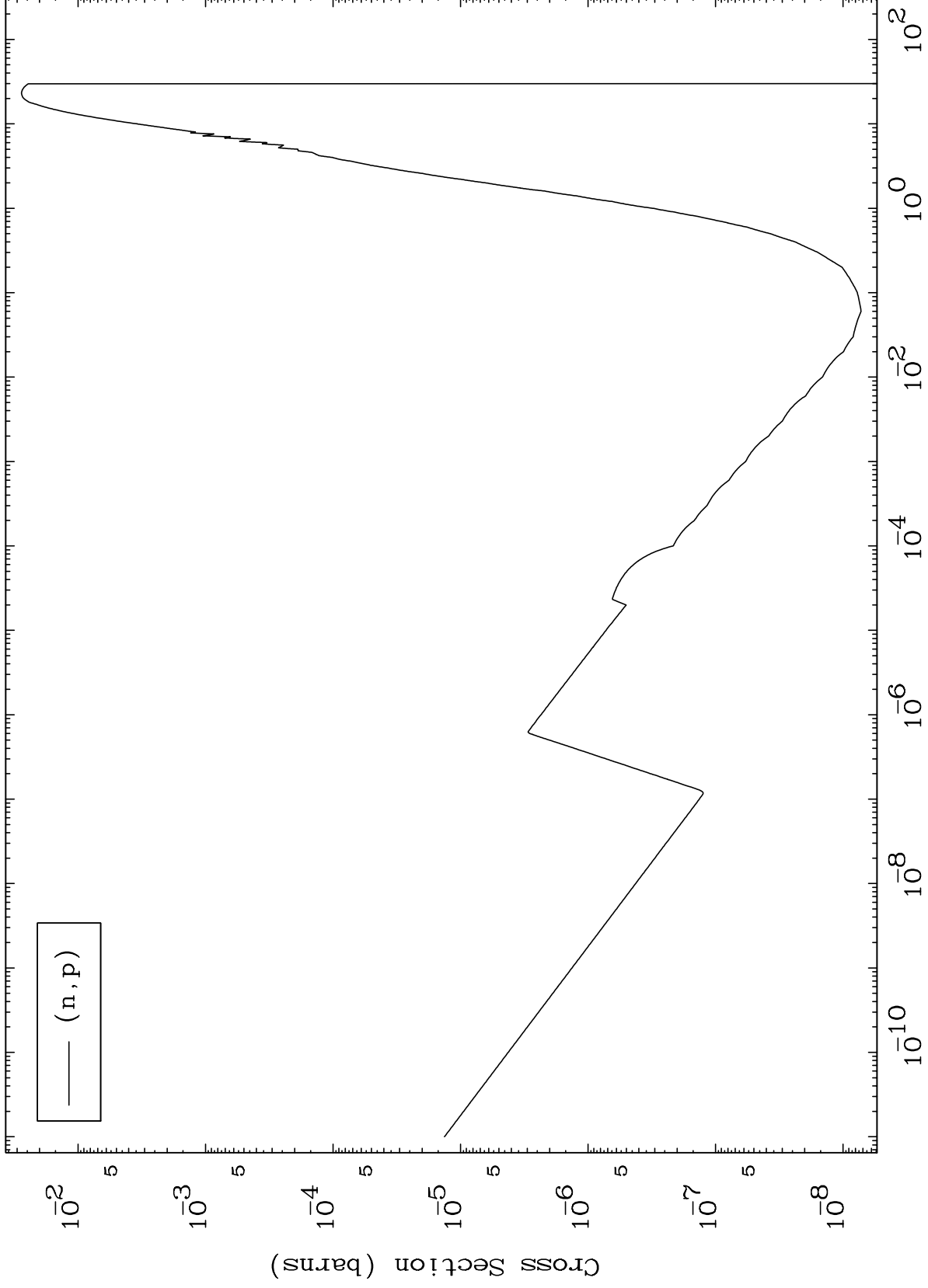
77-Ir-187

Incident Energy (MeV)

MAT 7713

(n,p) Levels  
293 Kelvin Cross Sections

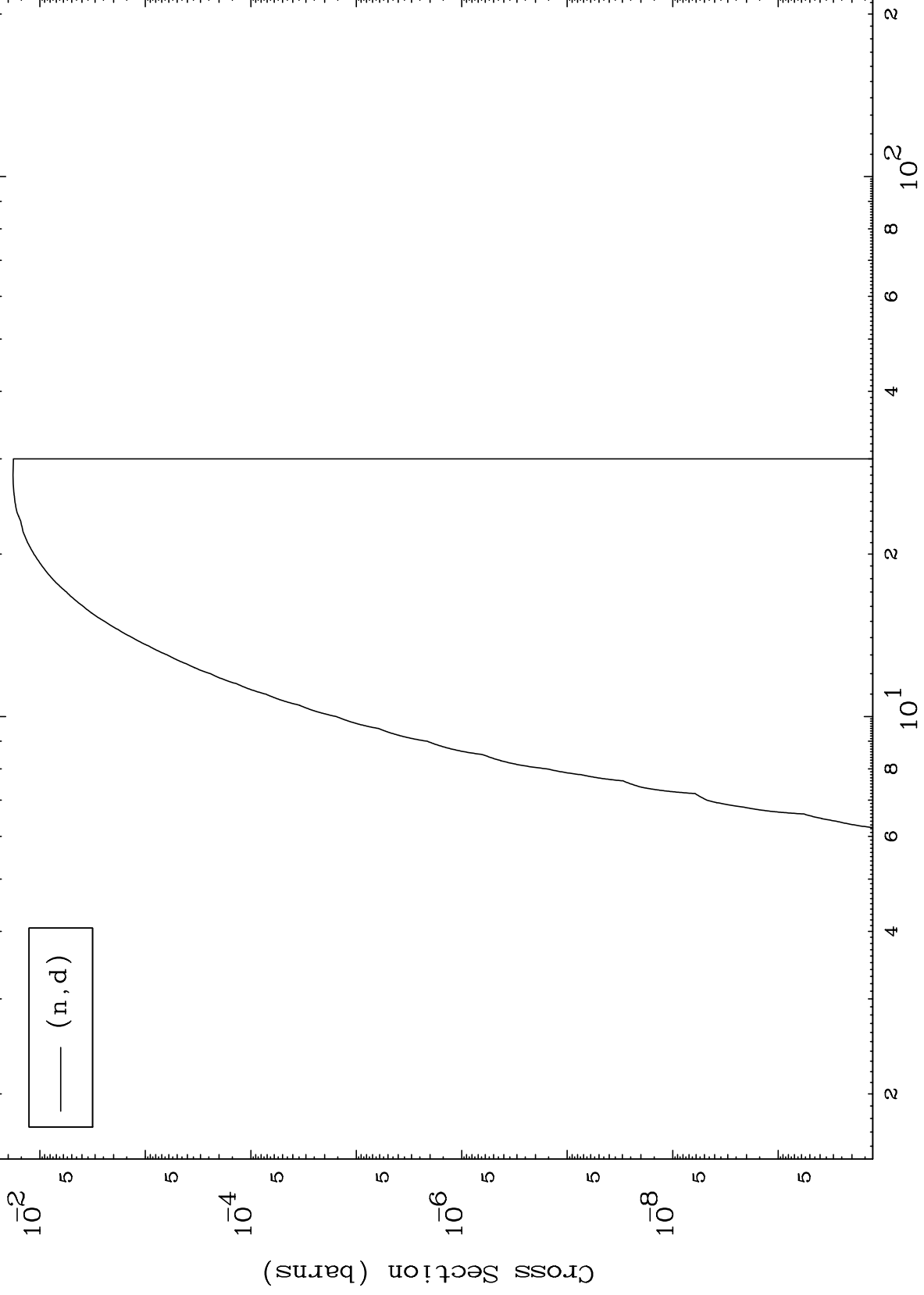
77-Ir-187



MAT 7713

(n,d) Levels  
293 Kelvin Cross Sections

<sup>77</sup>Ir-187



12

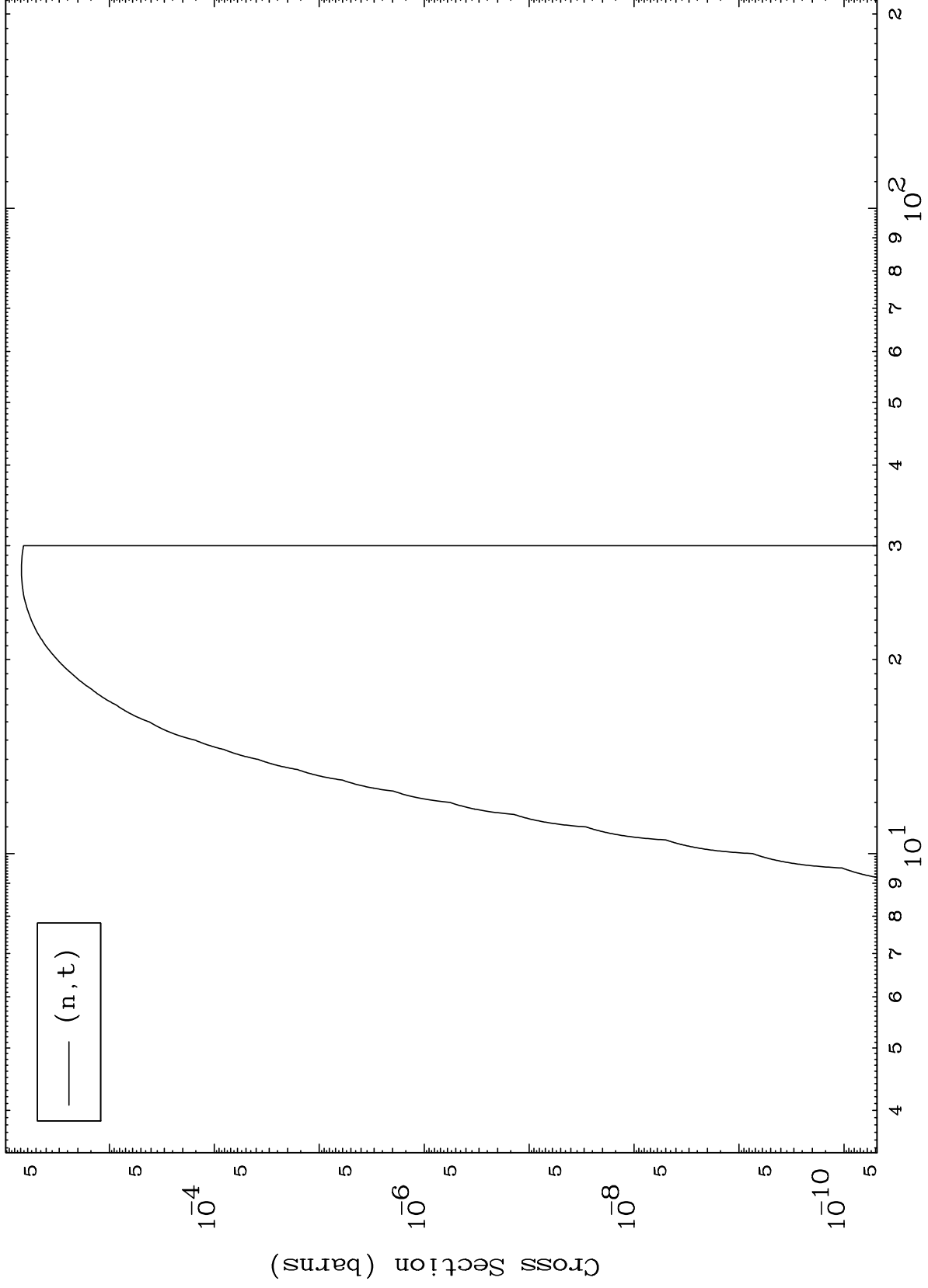
Incident Energy (MeV)

<sup>77</sup>Ir-187

MAT 7713

(n,t) Levels  
293 Kelvin Cross Sections

77-Ir-187



13

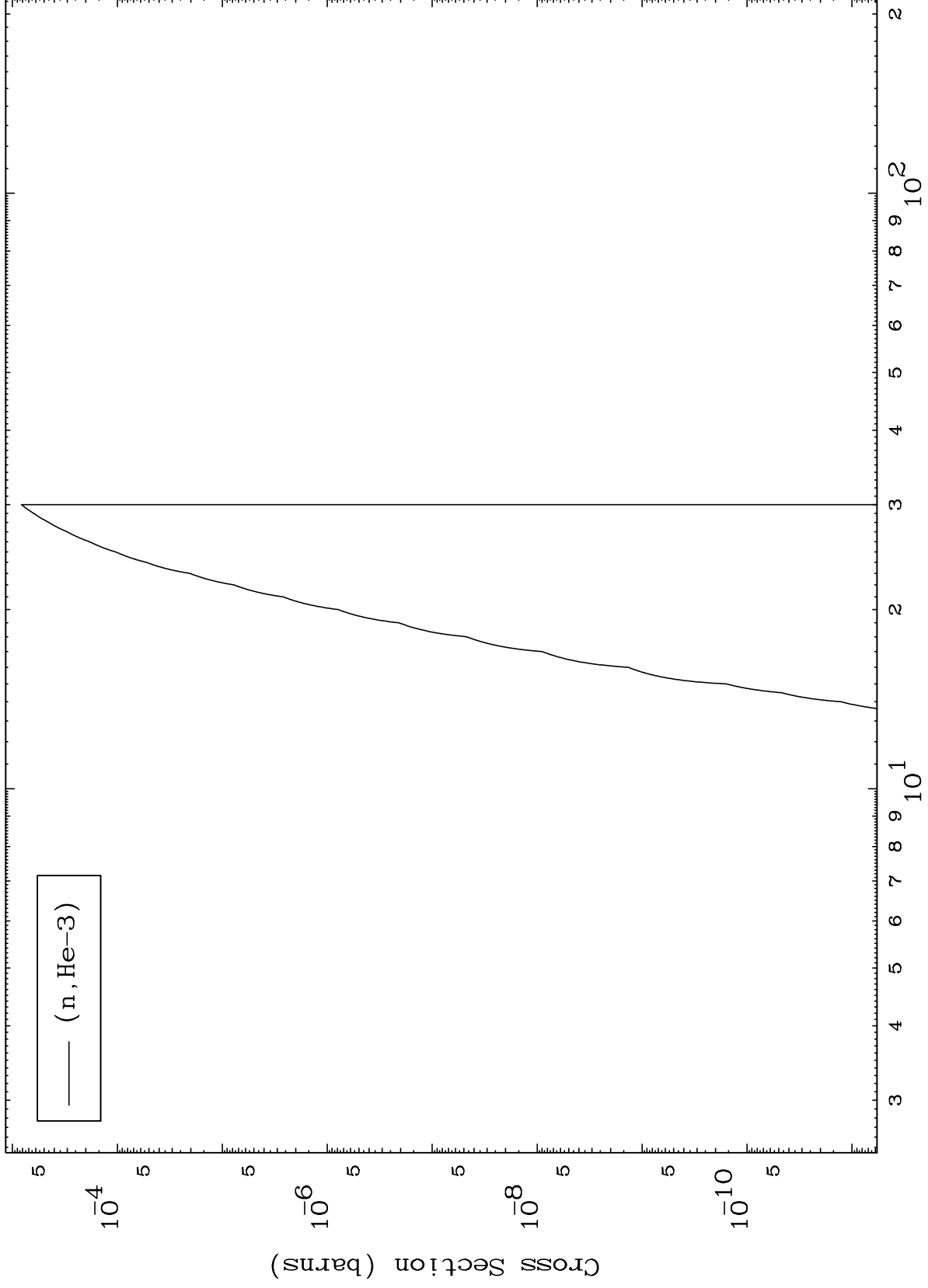
Incident Energy (MeV)

77-Ir-187

MAT 7713

(n,He3) Levels  
293 Kelvin Cross Sections

77-Ir-187



14

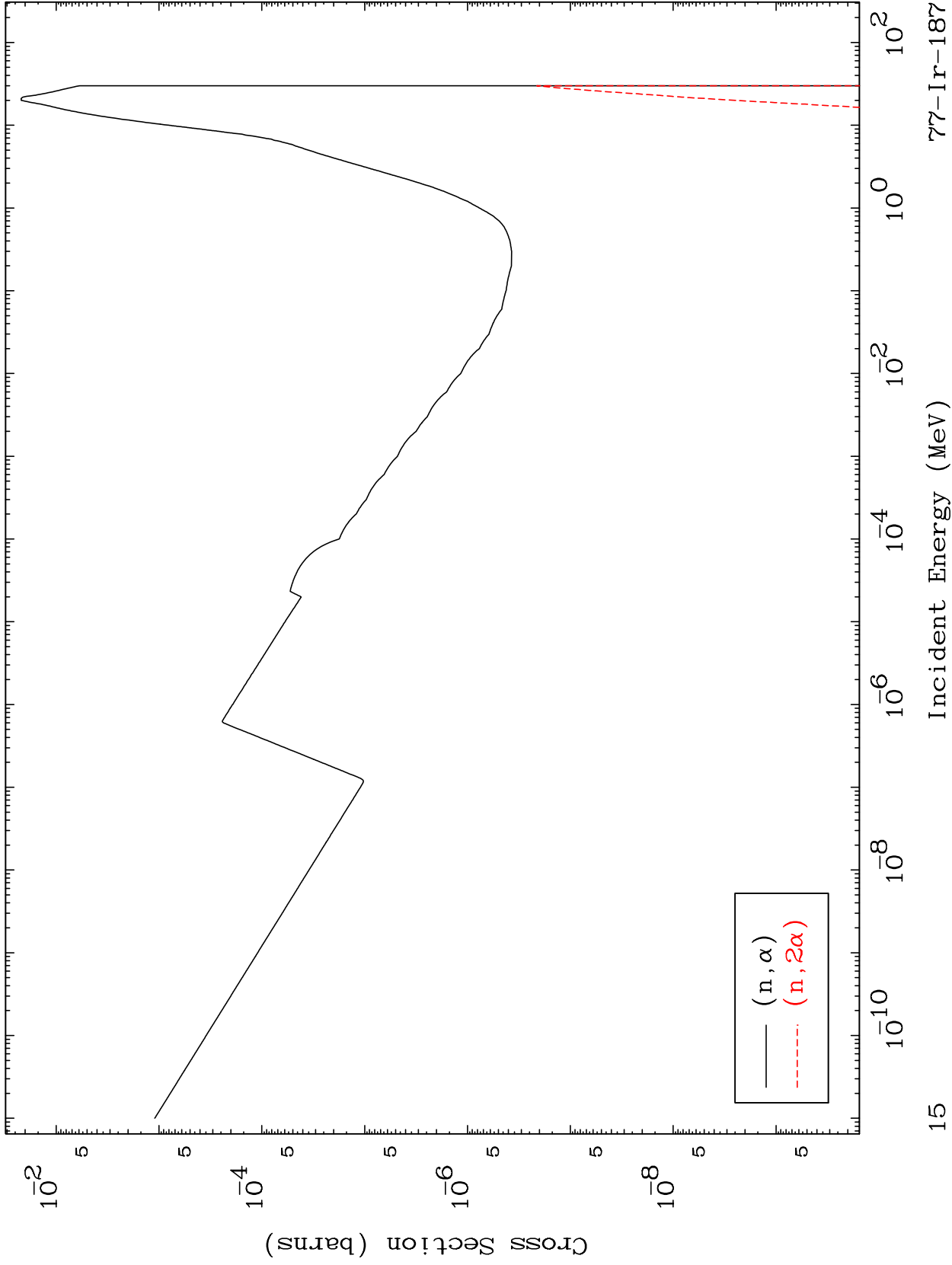
Incident Energy (MeV)

77-Ir-187

MAT 7713

(n,α) Levels  
293 Kelvin Cross Sections

77-Ir-187

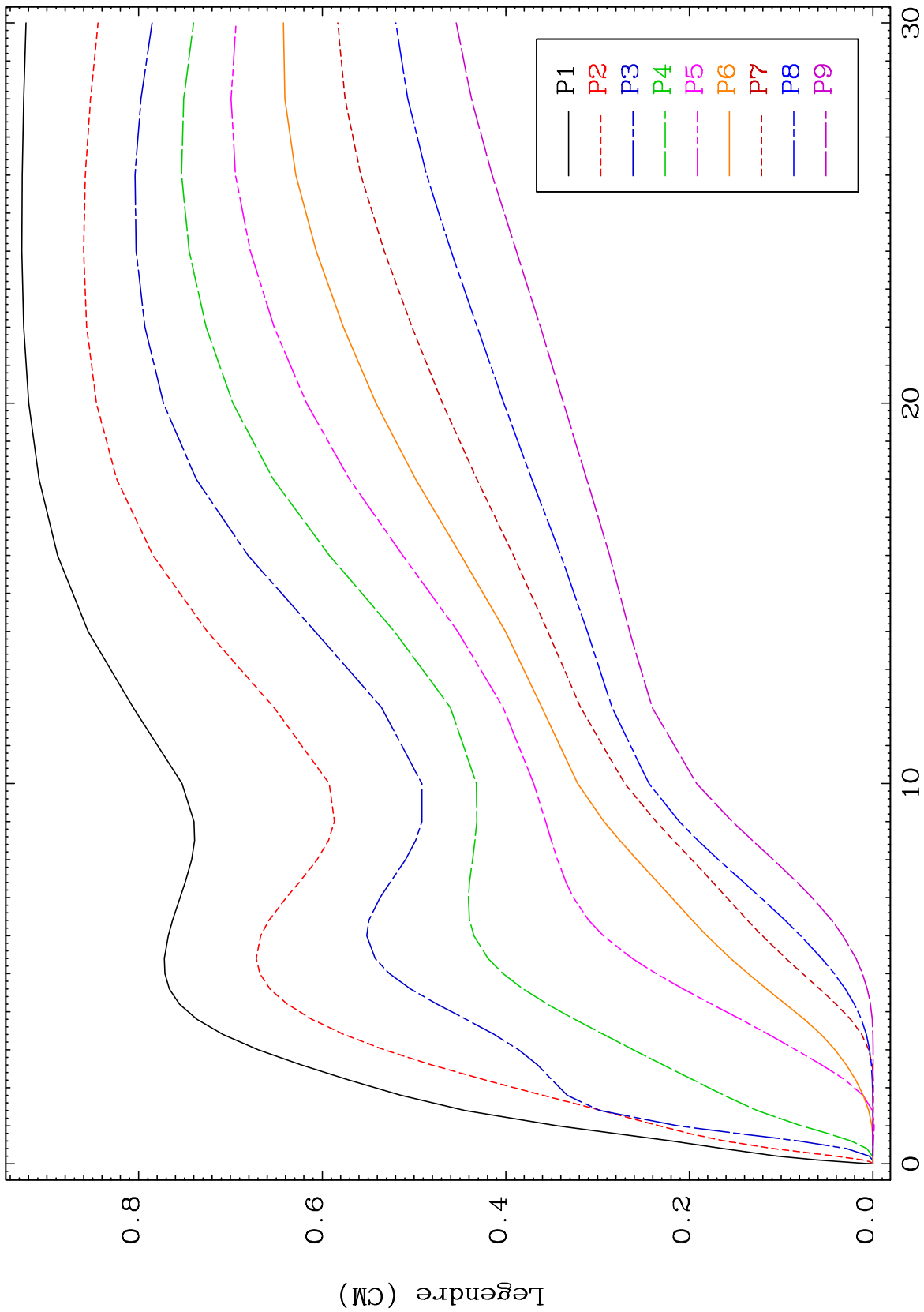




MAT 7713

77-Ir-187

Elastic Legendre Coefficients



77-Ir-187

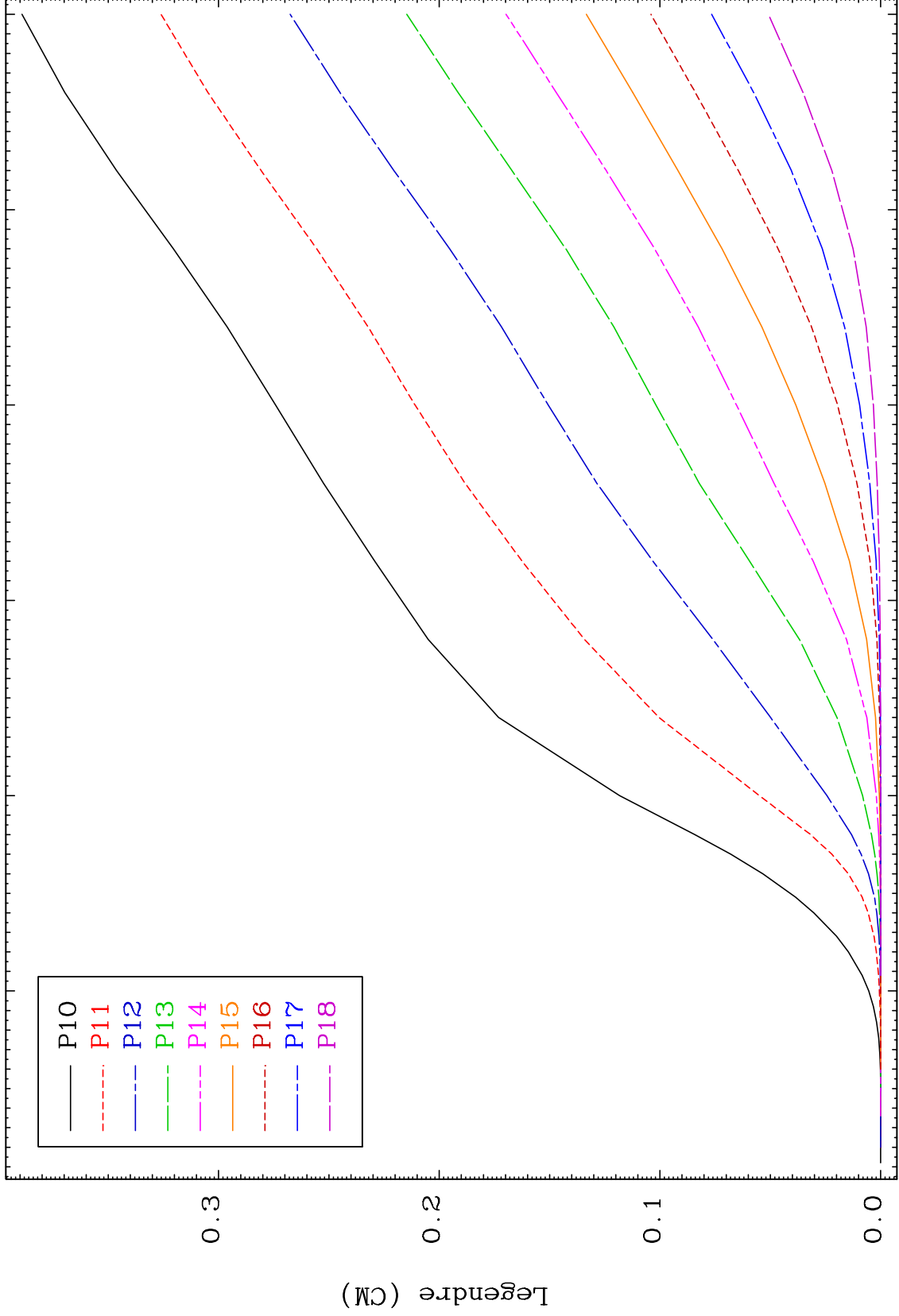
Incident Energy (MeV)

16

MAT 7713

Elastic Legendre Coefficients

<sup>77</sup>Ir-187



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Incident Energy (MeV)

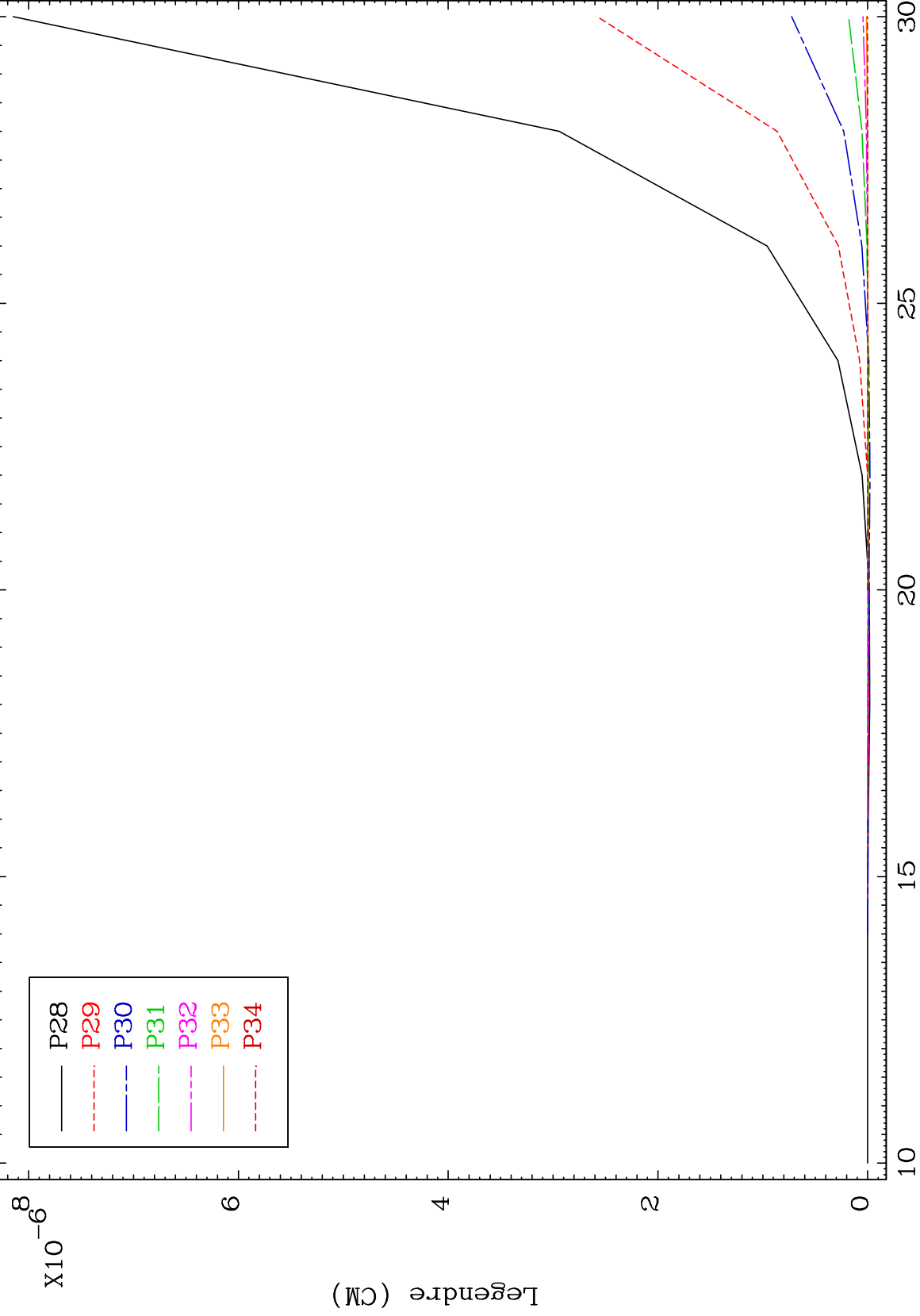
<sup>77</sup>Ir-187



MAT 7713

Elastic  
Legendre Coefficients

77-Ir-187



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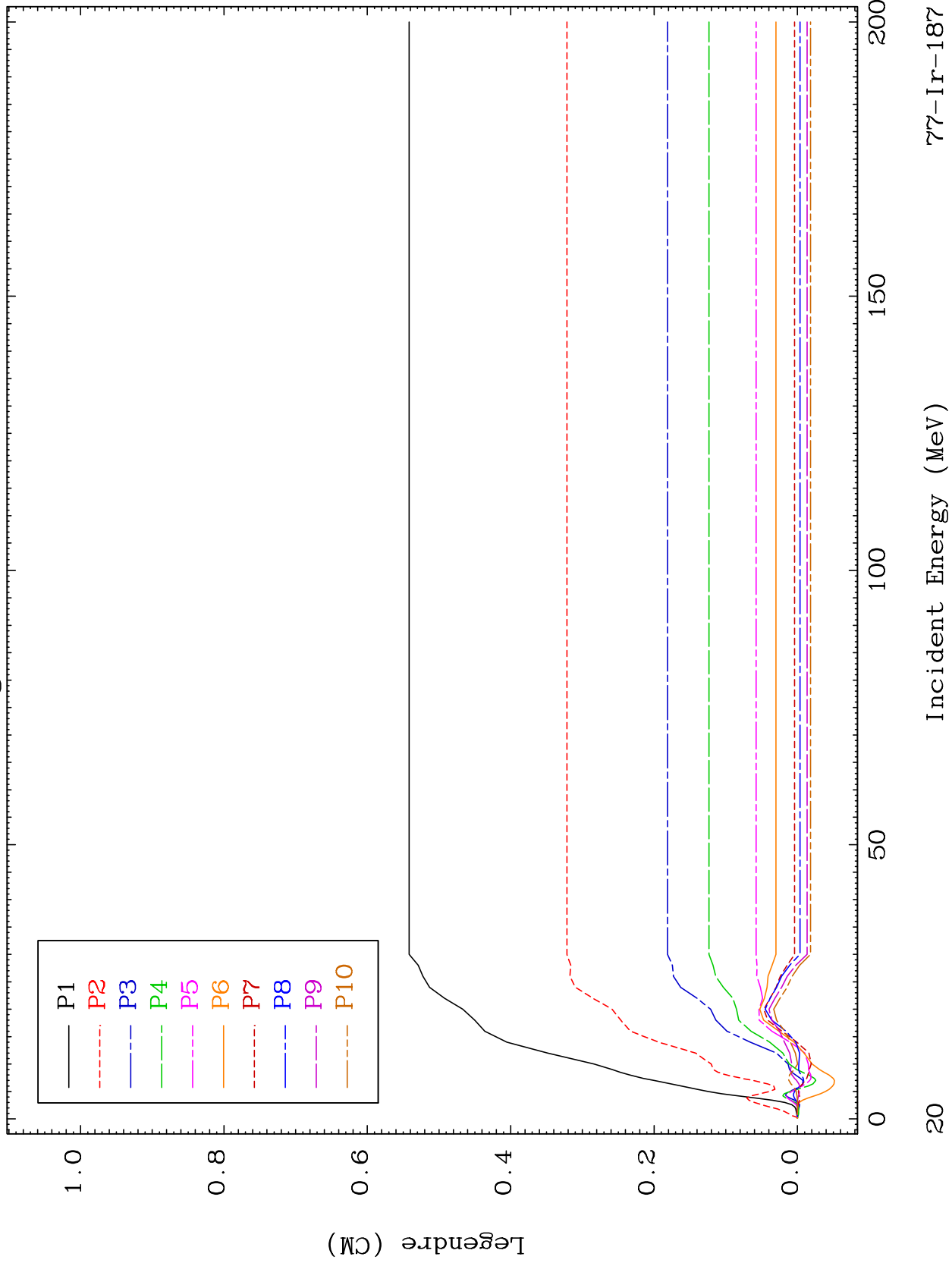
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

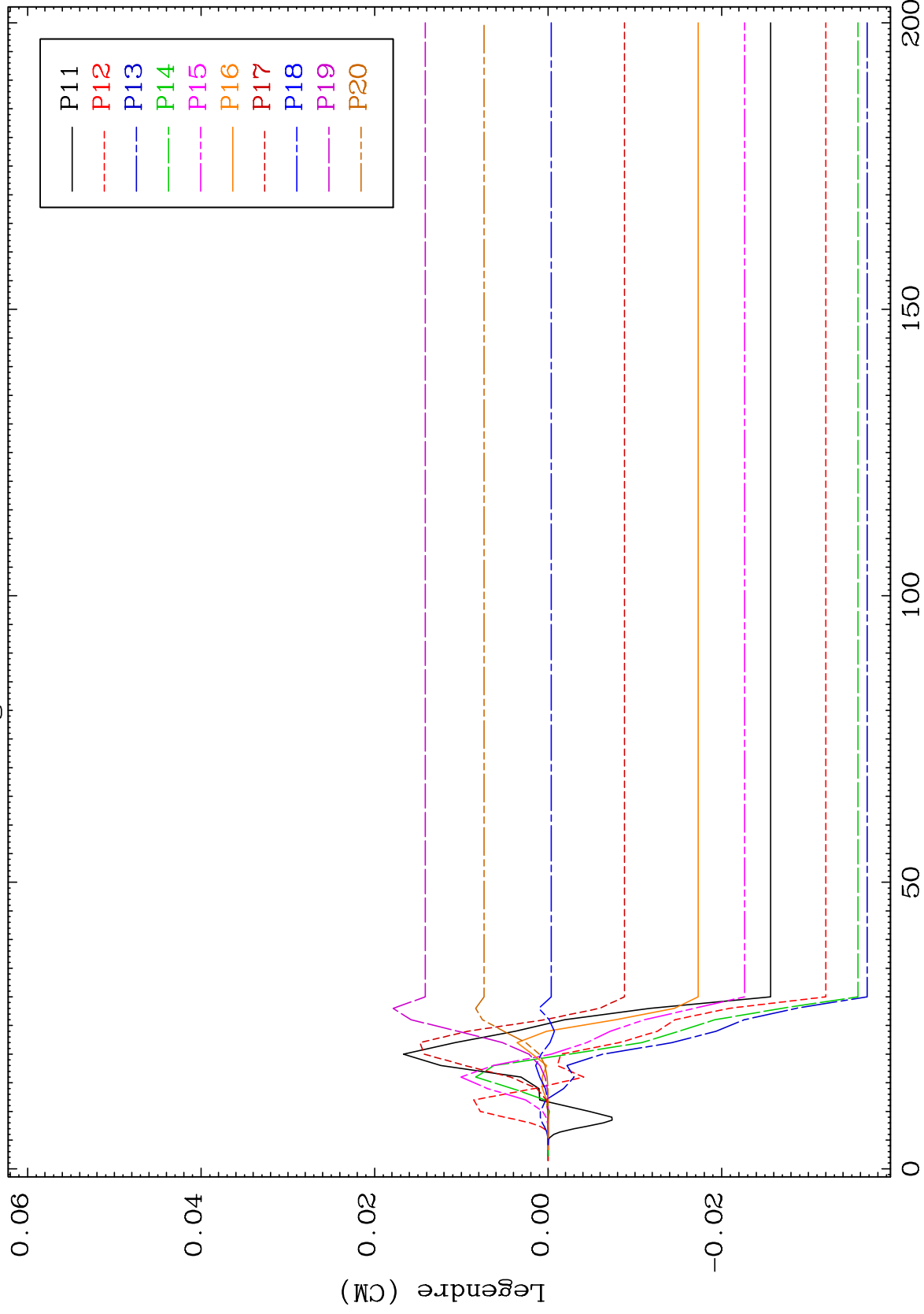
77-Ir-187



MAT 7713

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

77-Ir-187



21

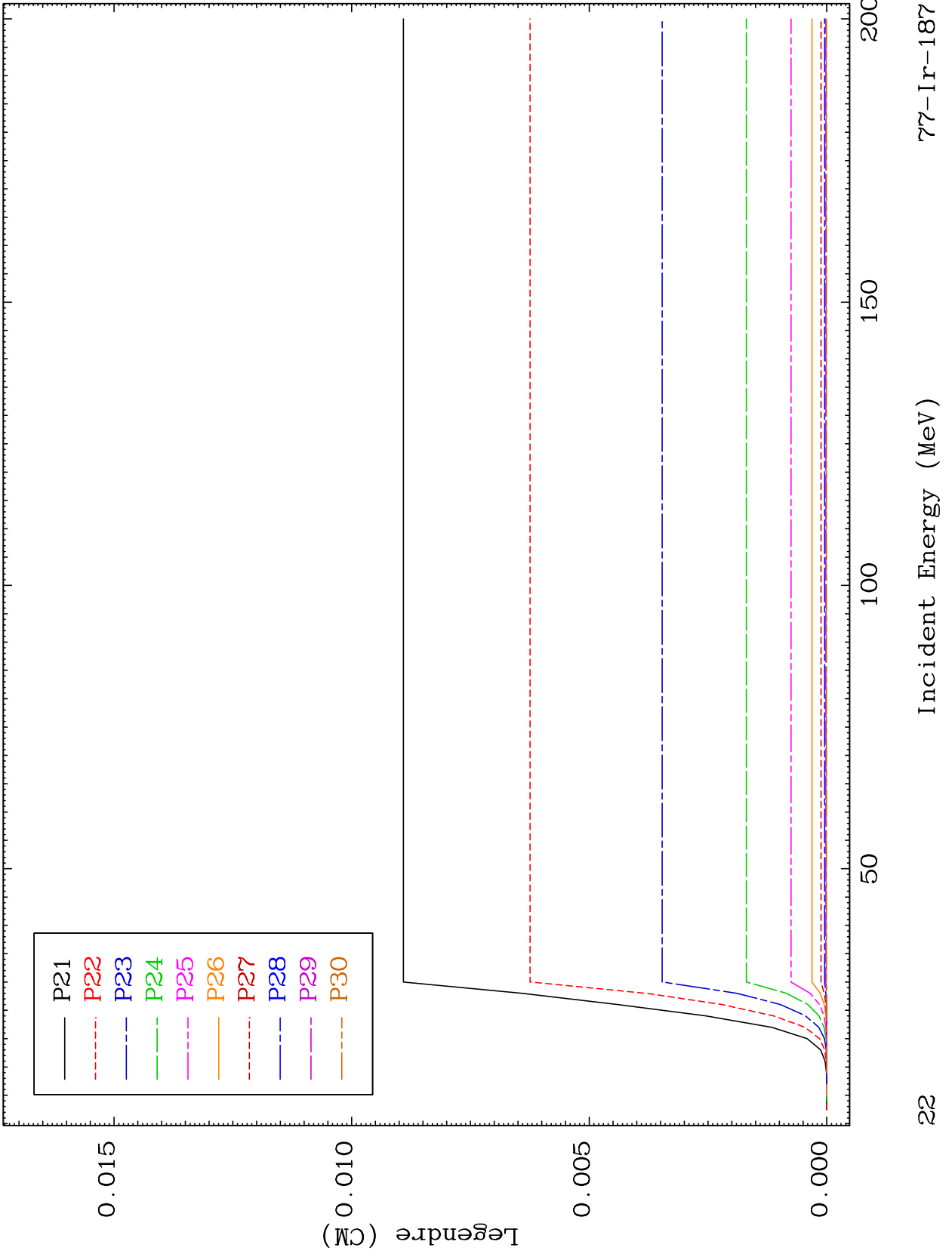
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



22

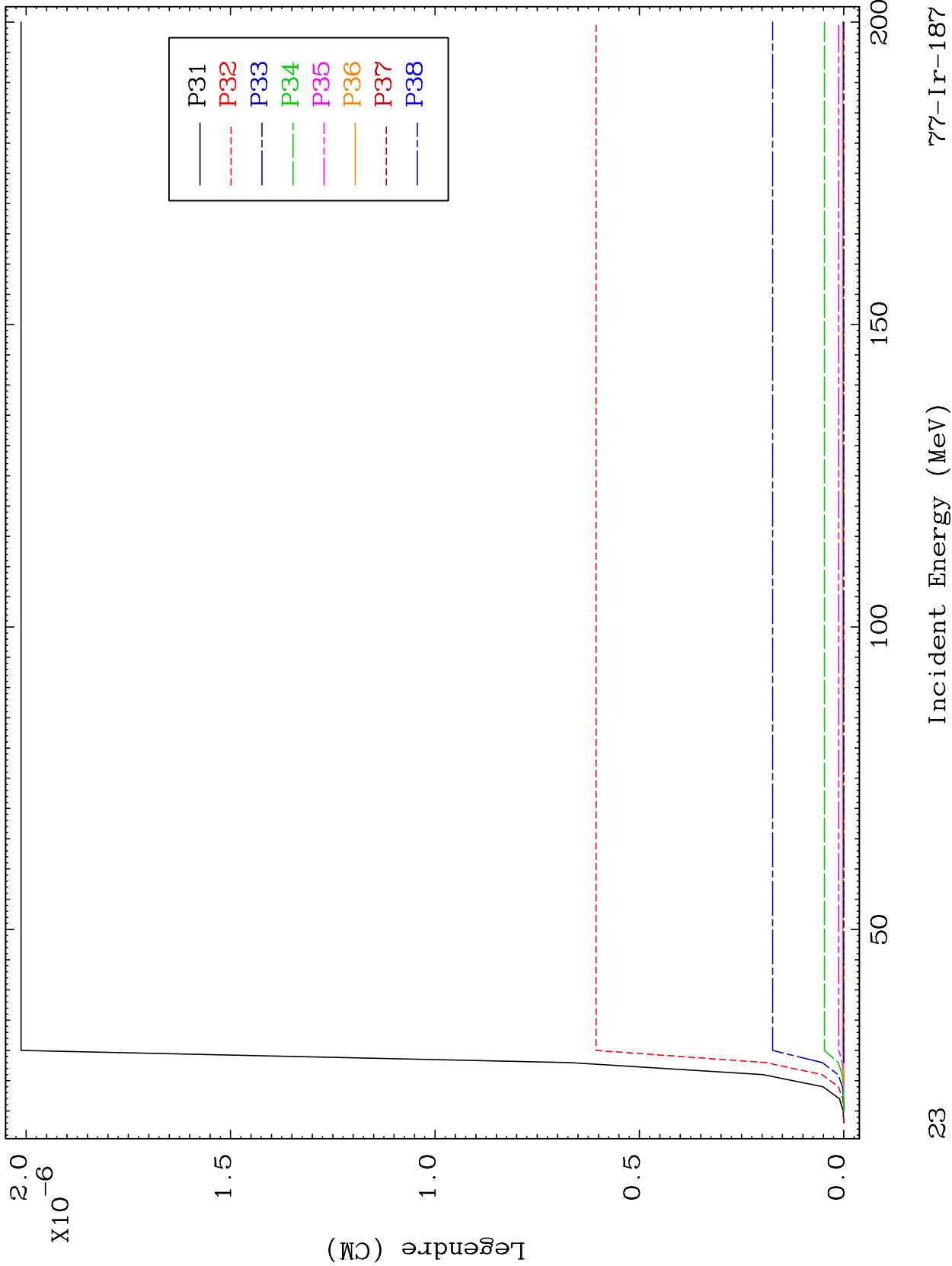
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



23

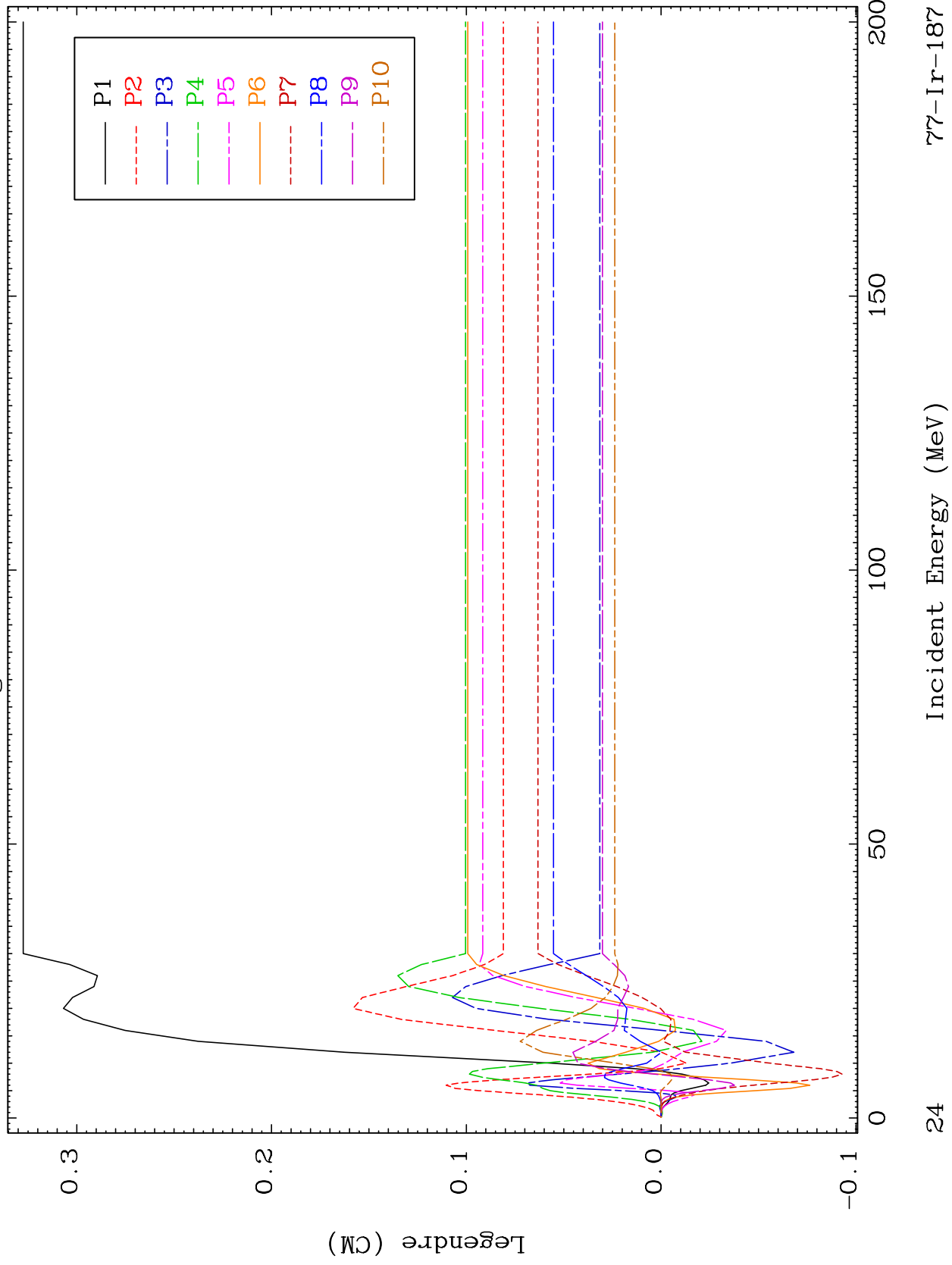
77-Ir-187



MAT 7713

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

77-Ir-187



77-Ir-187

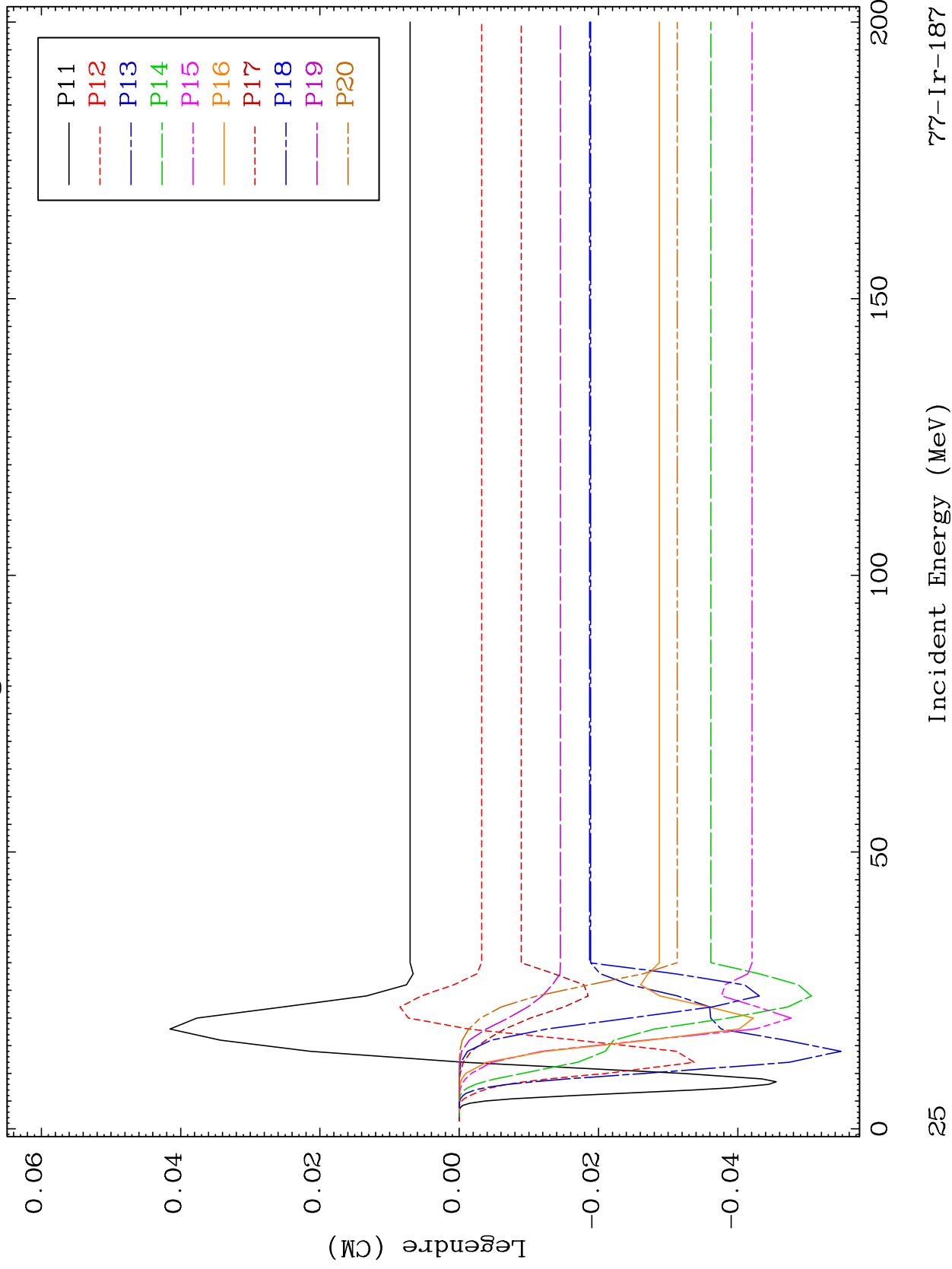
Incident Energy (MeV)

24

MAT 7713

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

77-Ir-187



77-Ir-187

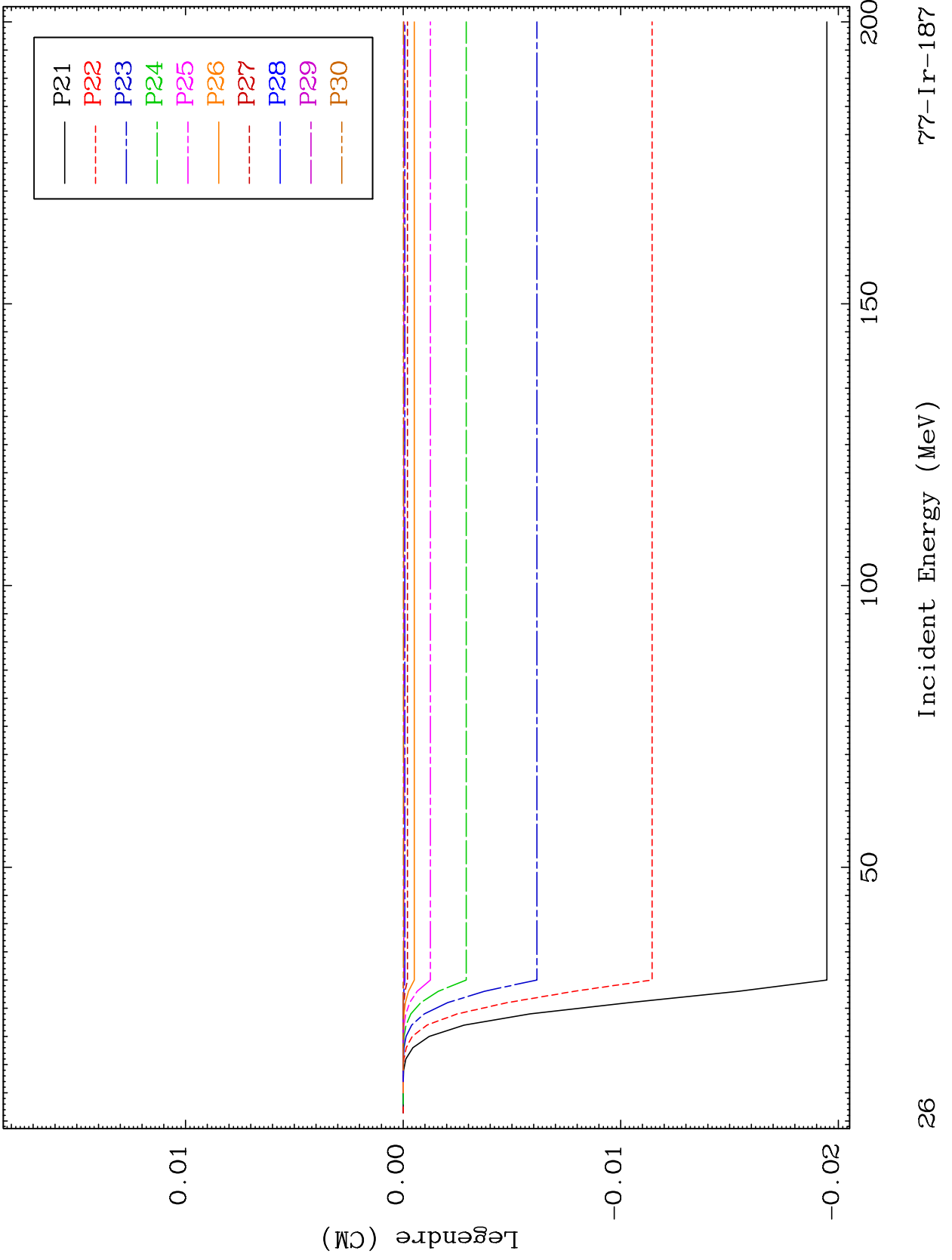
Incident Energy (MeV)

25

MAT 7713

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

77-Ir-187



26

Incident Energy (MeV)

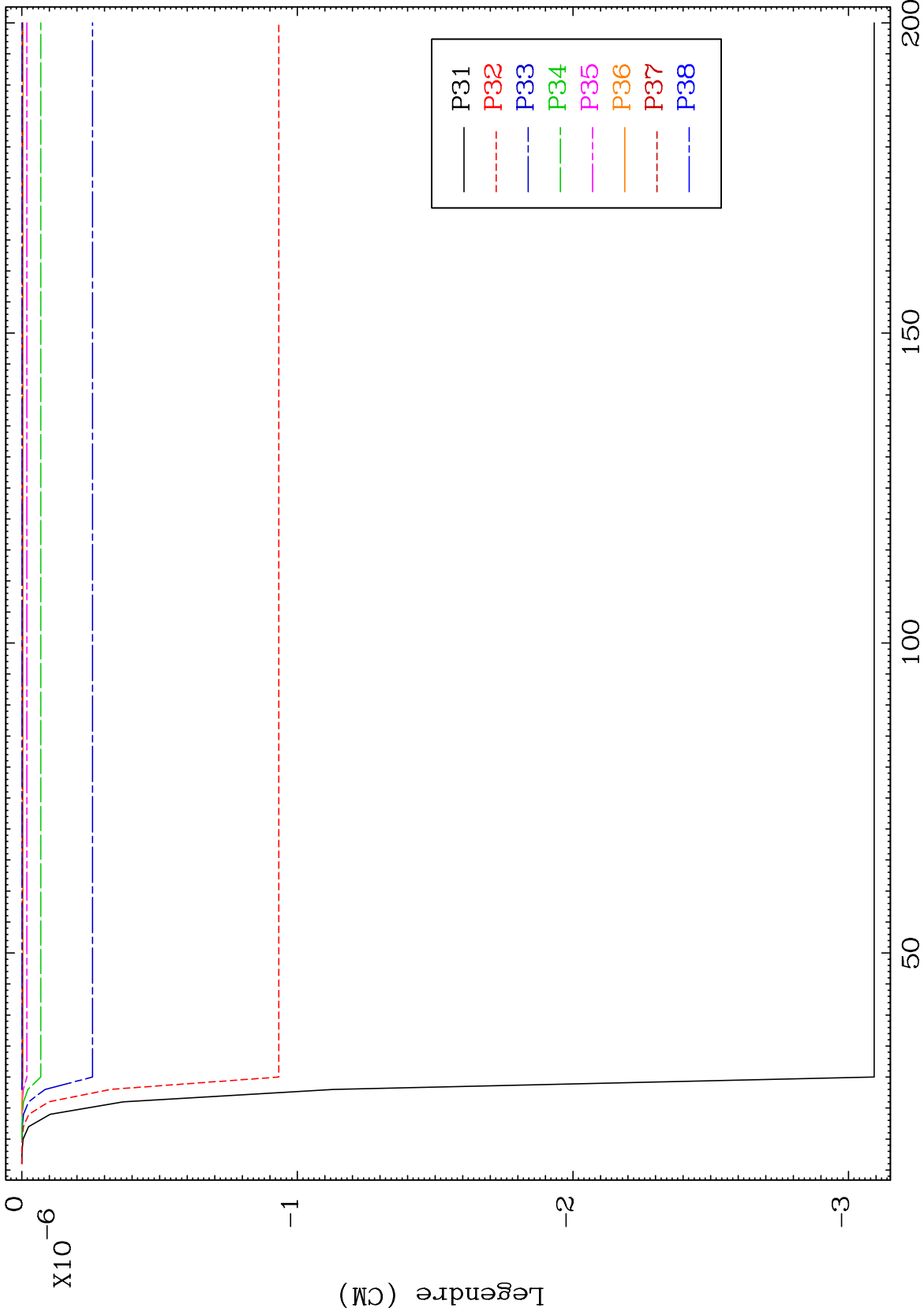
77-Ir-187

MAT 7713

MT= 52 (n,n') Level

77-Ir-187

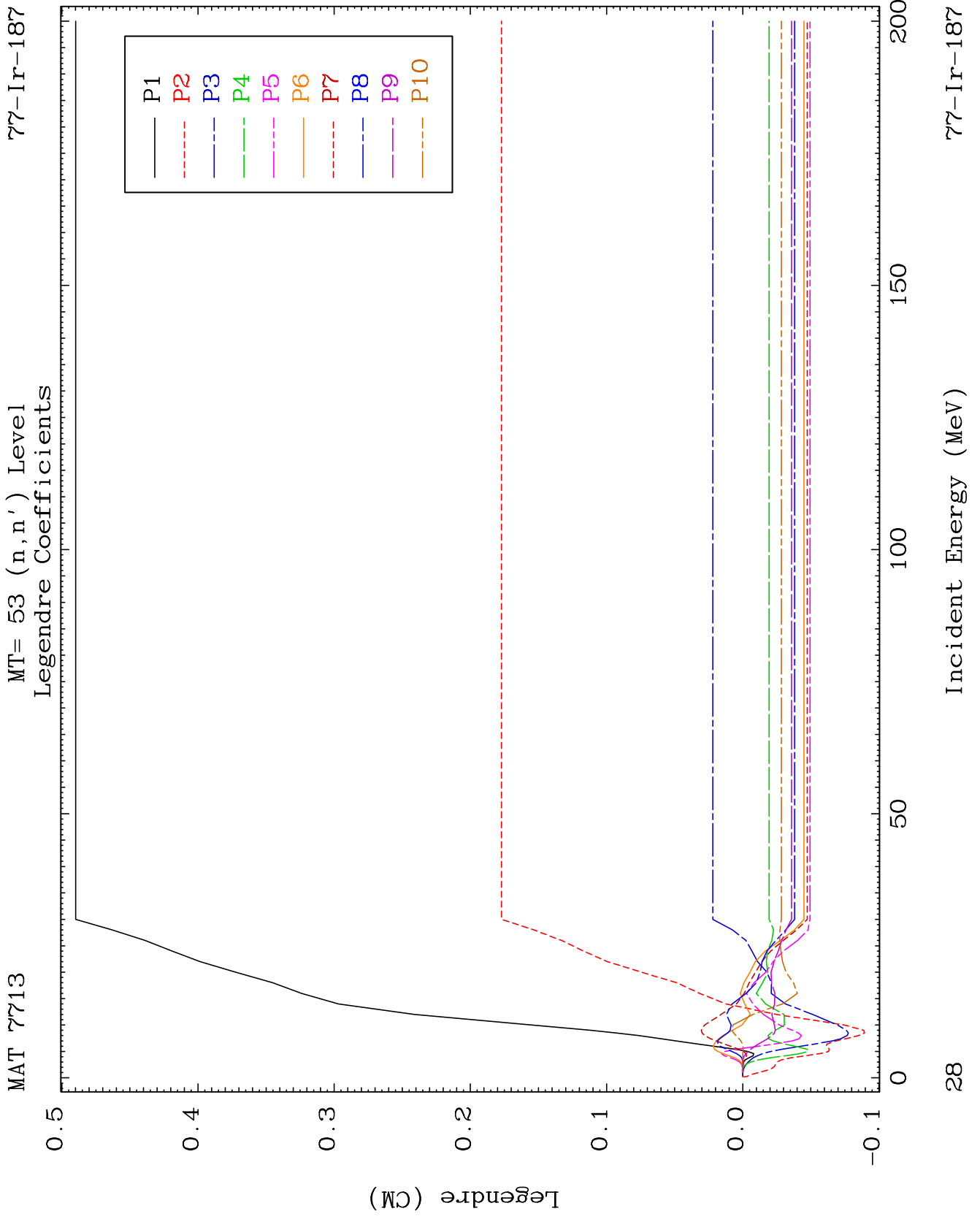
Legendre Coefficients



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Incident Energy (MeV)

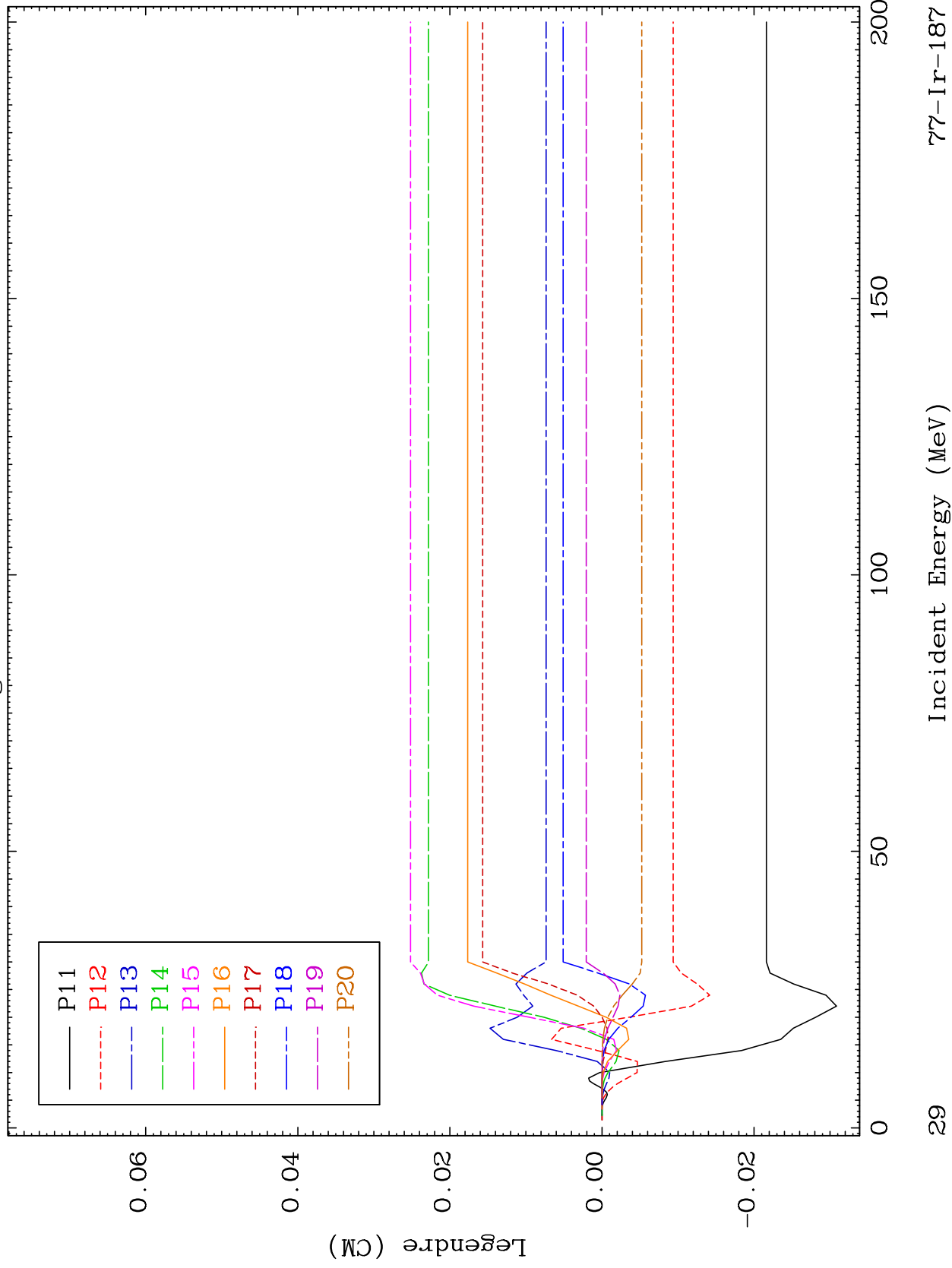
77-Ir-187



MAT 7713

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

77-Ir-187



77-Ir-187

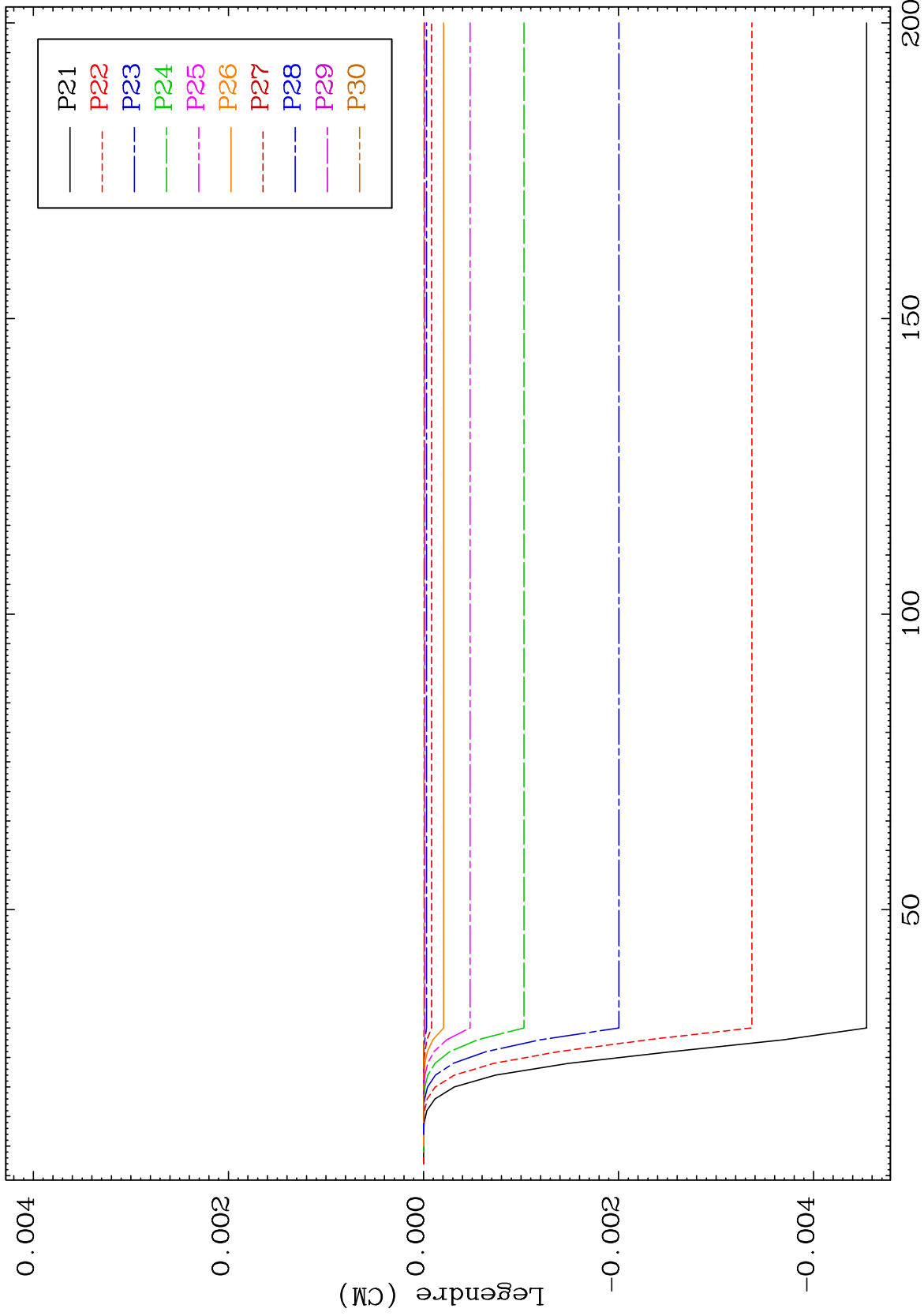
Incident Energy (MeV)

29

MAT 7713

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

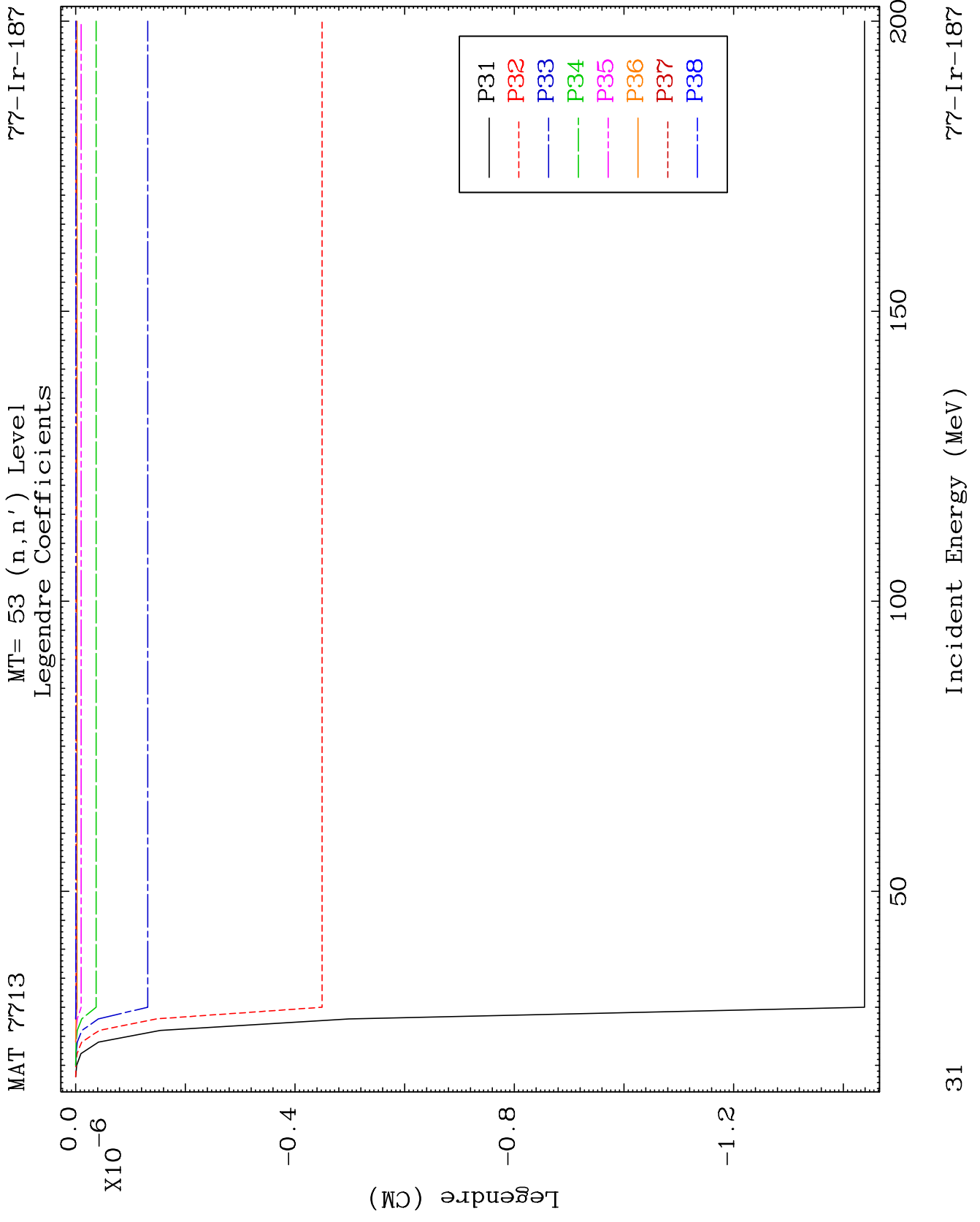
77-Ir-187



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Incident Energy (MeV)

77-Ir-187

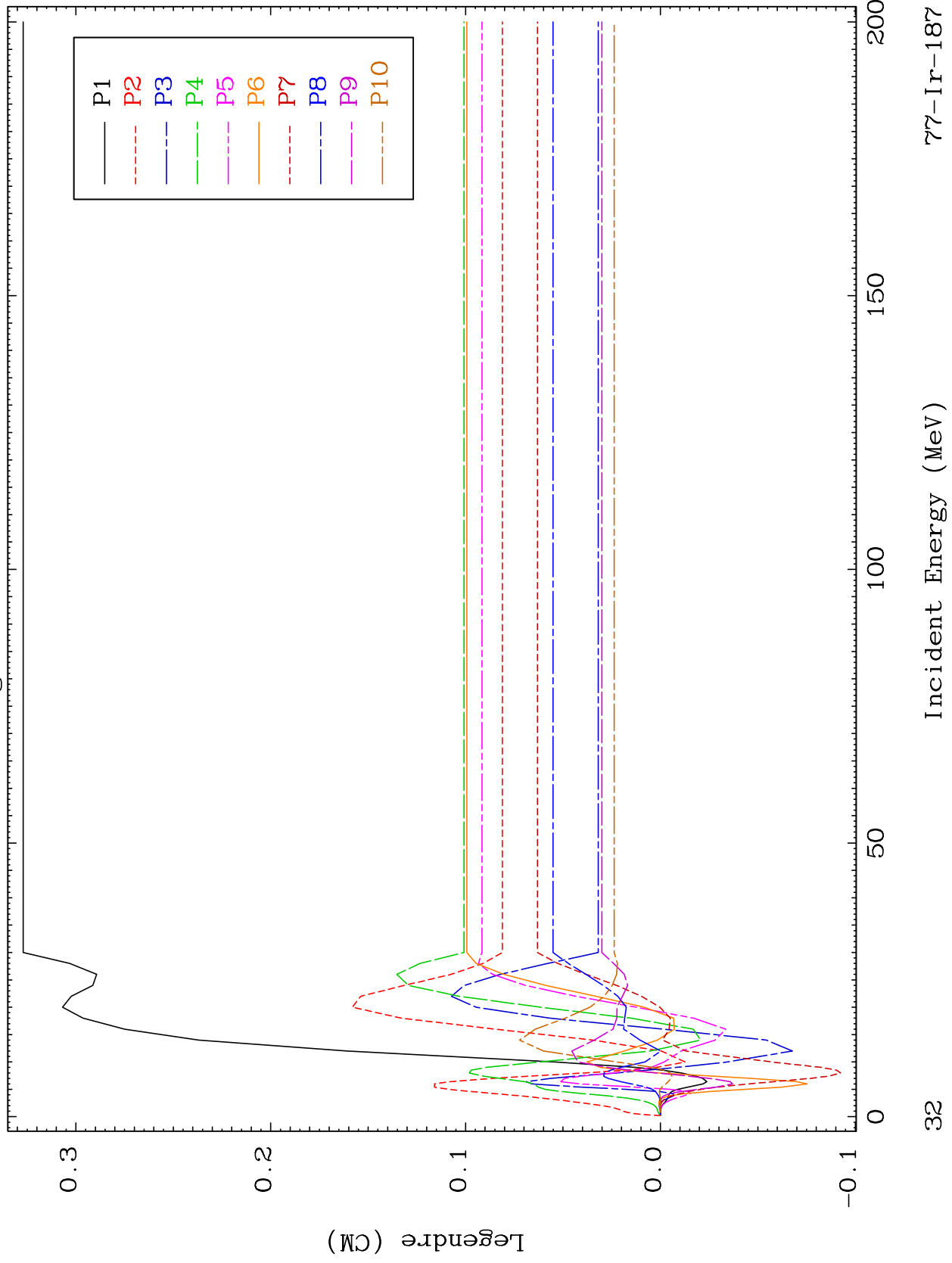




MAT 7713

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

77-Ir-187



77-Ir-187

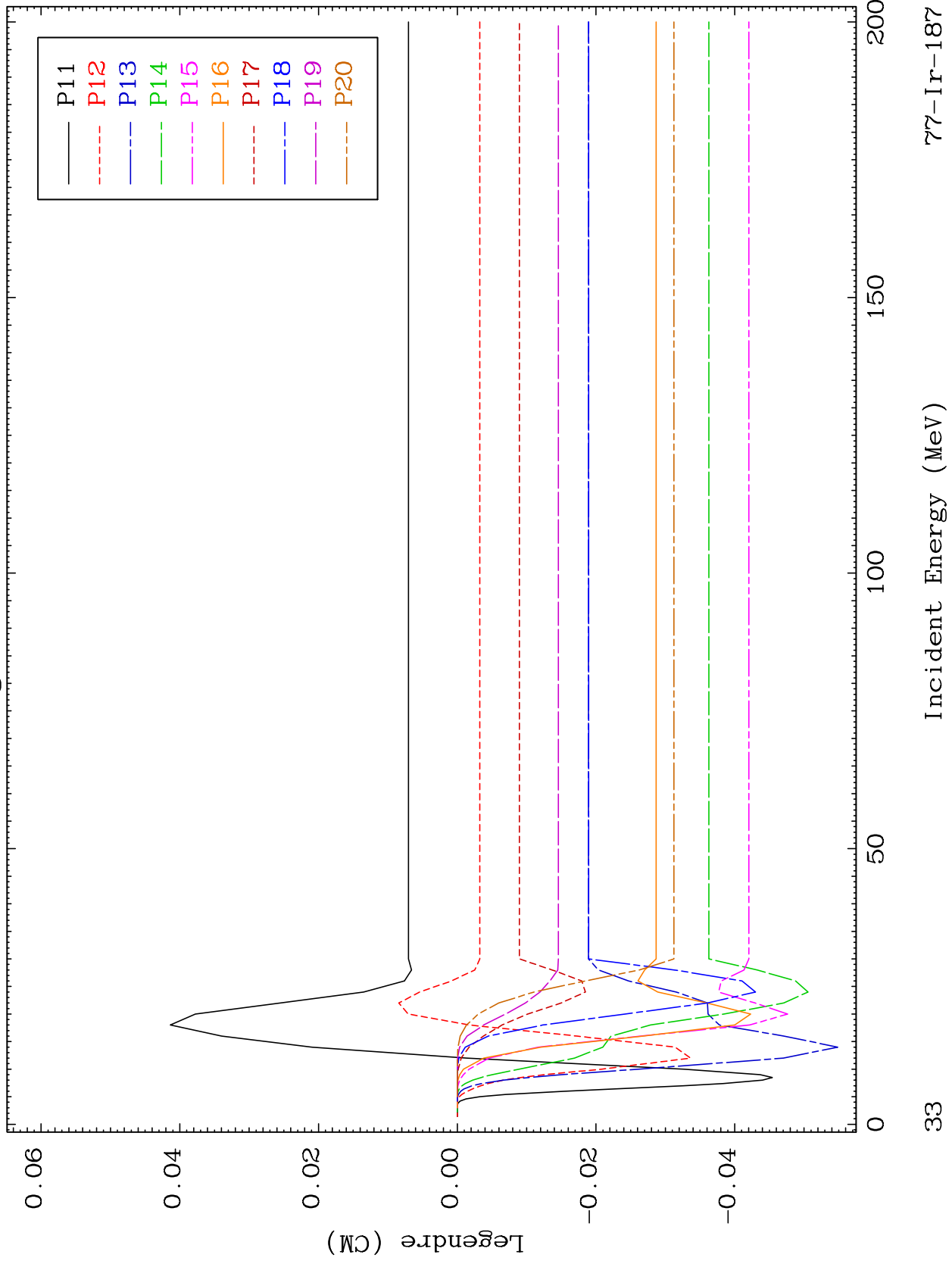
Incident Energy (MeV)

32

MAT 7713

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

77-Ir-187



77-Ir-187

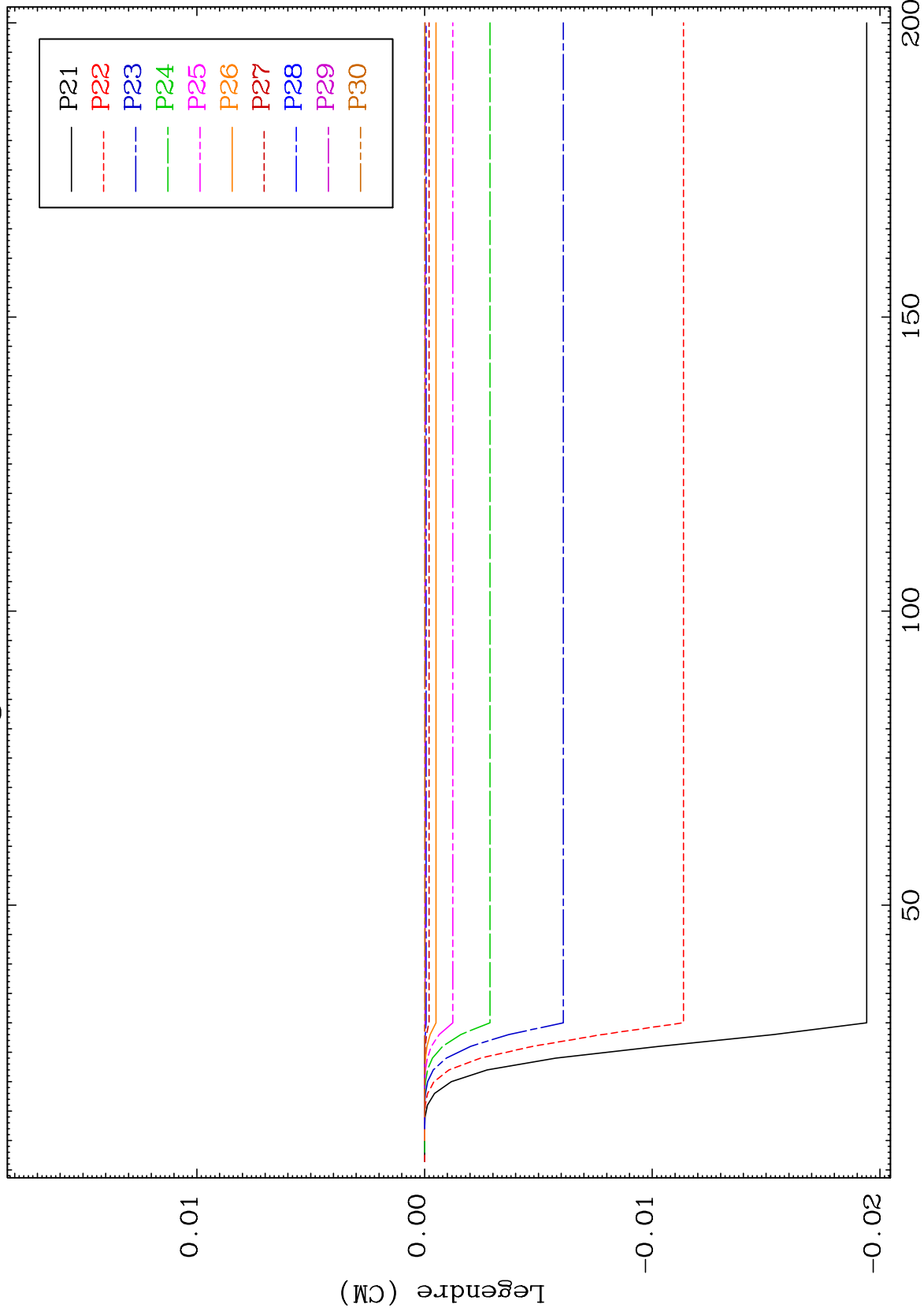
Incident Energy (MeV)

33

MAT 7713

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

77-Ir-187



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Incident Energy (MeV)

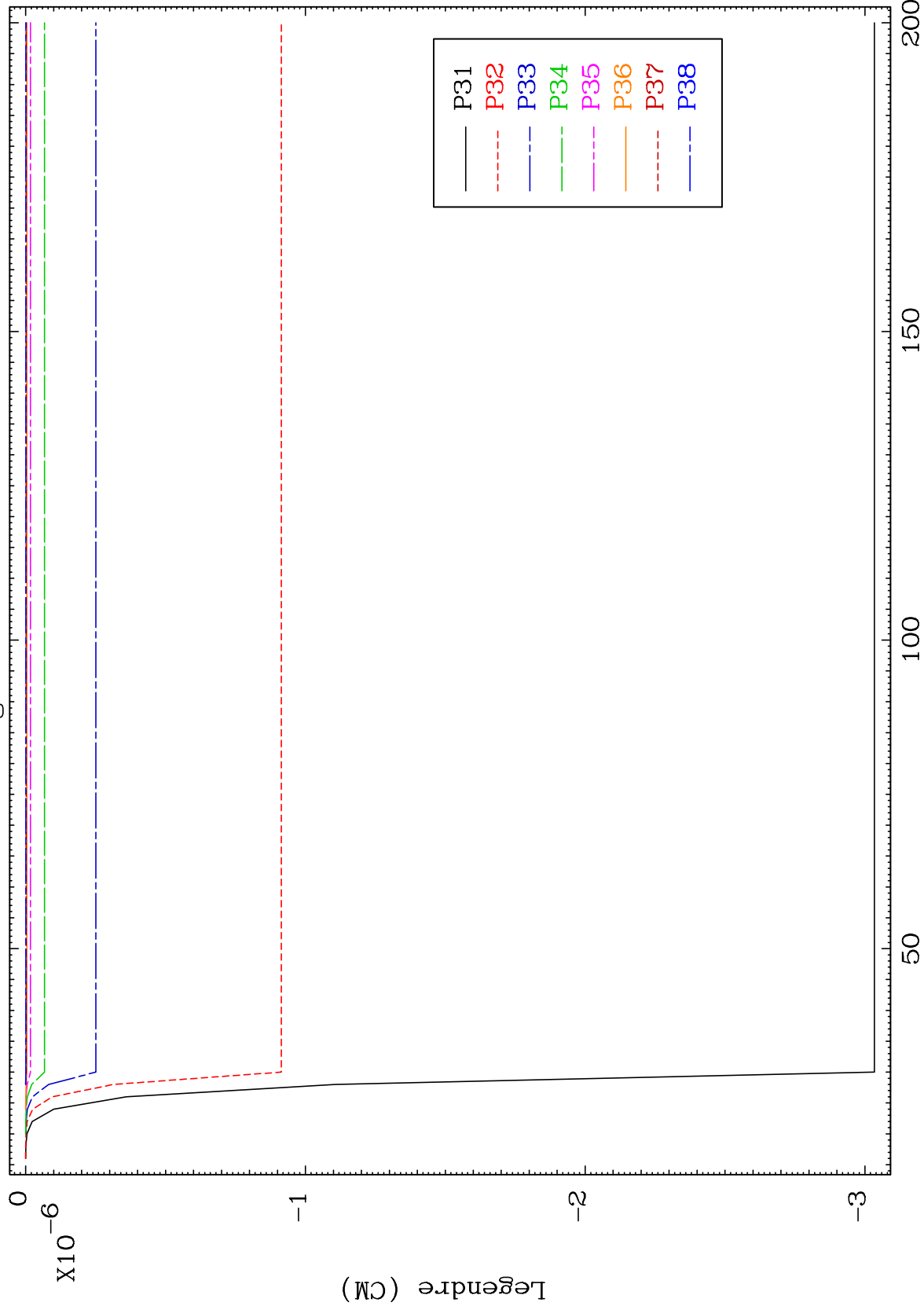
77-Ir-187

MAT 7713

MT= 54 (n,n') Level

77-Ir-187

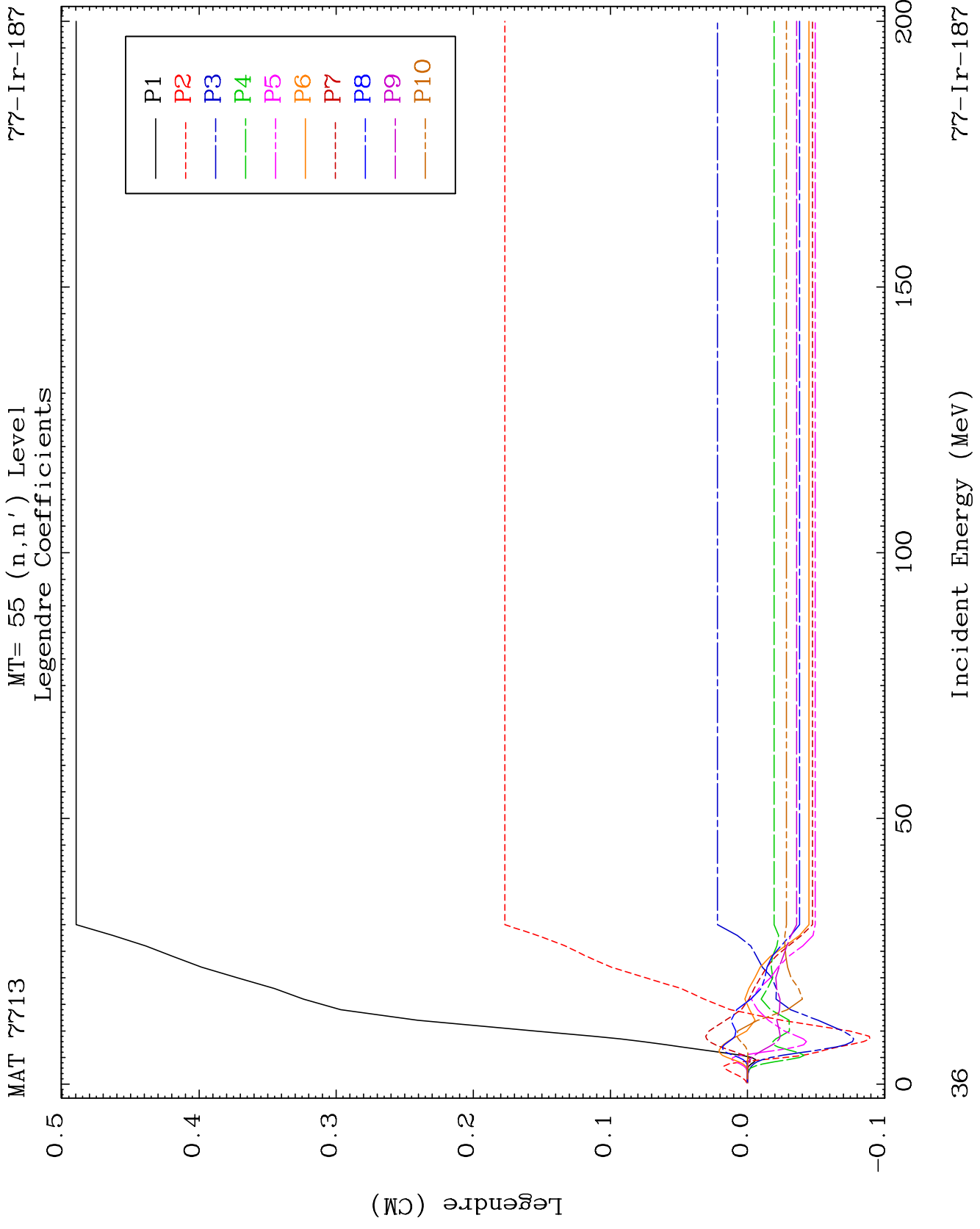
Legendre Coefficients



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Incident Energy (MeV)

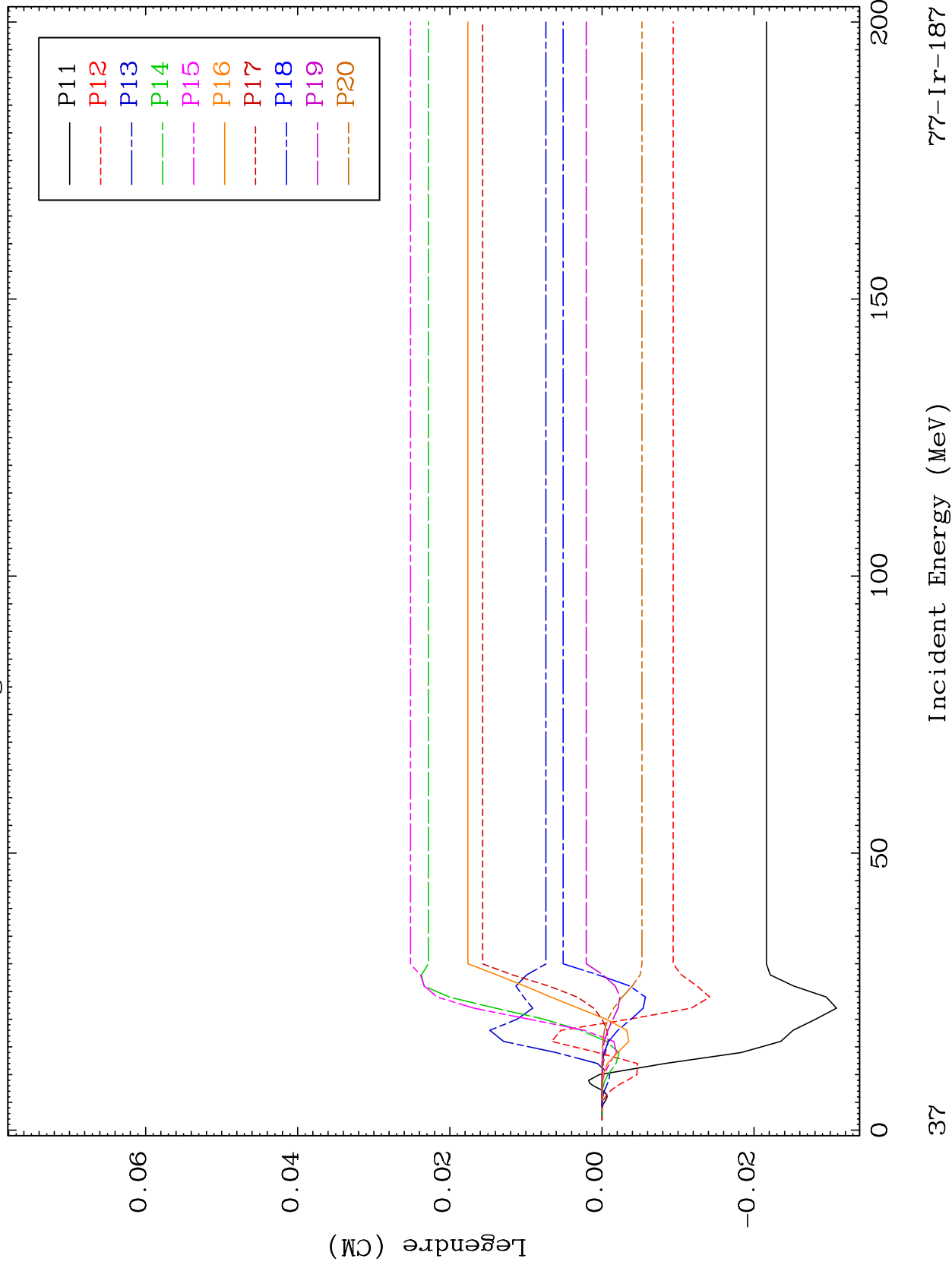
77-Ir-187



MAT 7713

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

77-Ir-187



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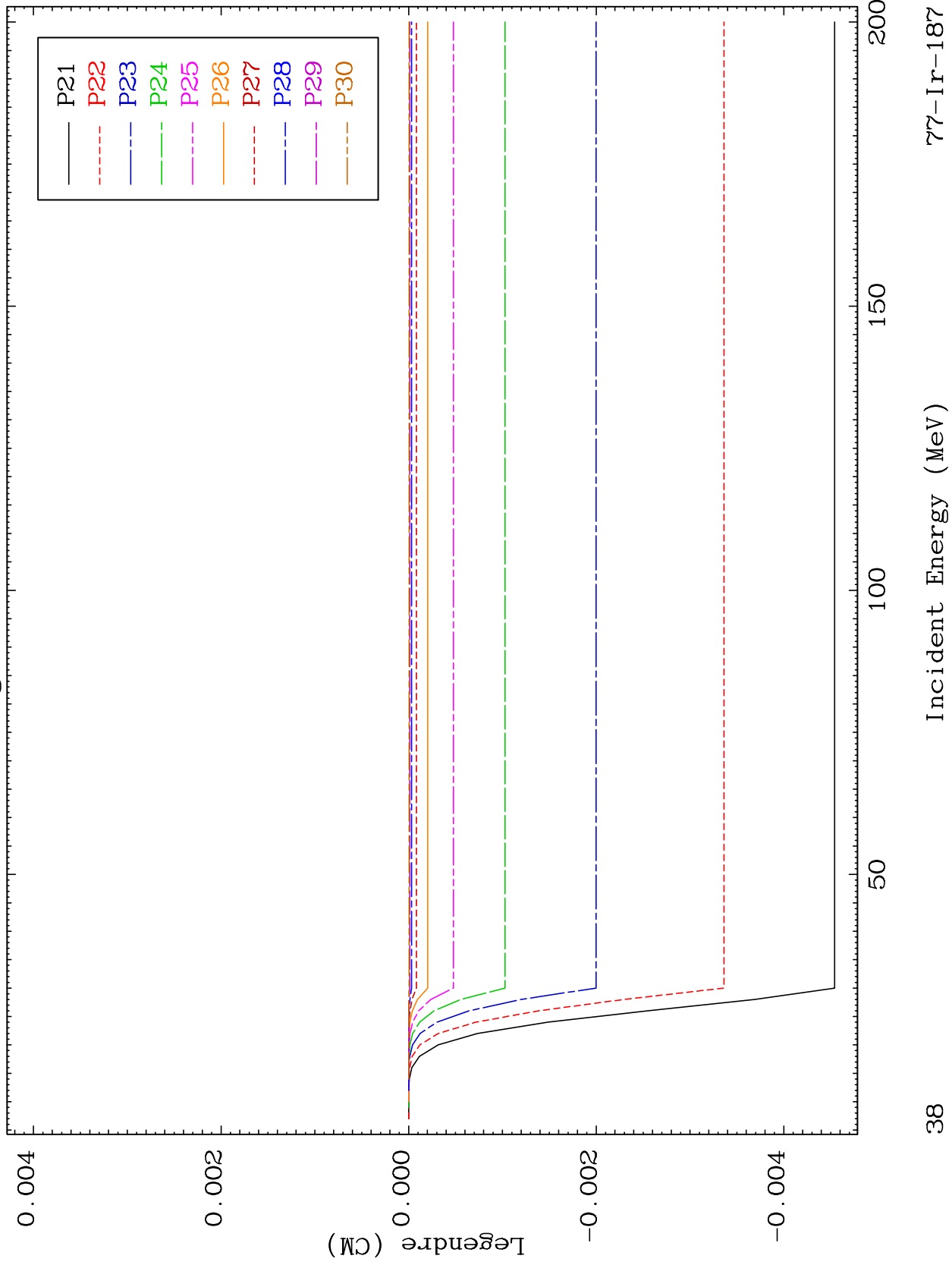
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

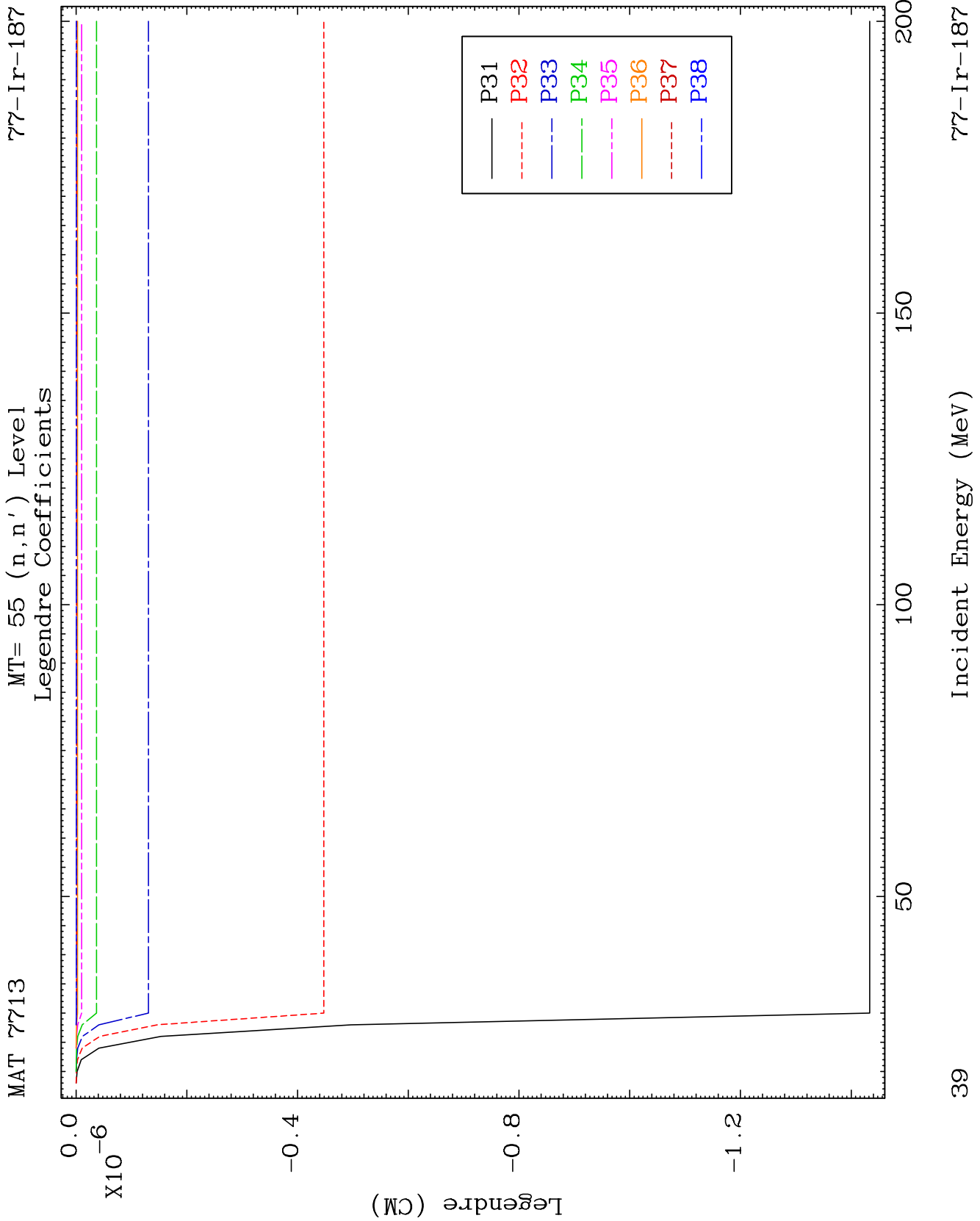
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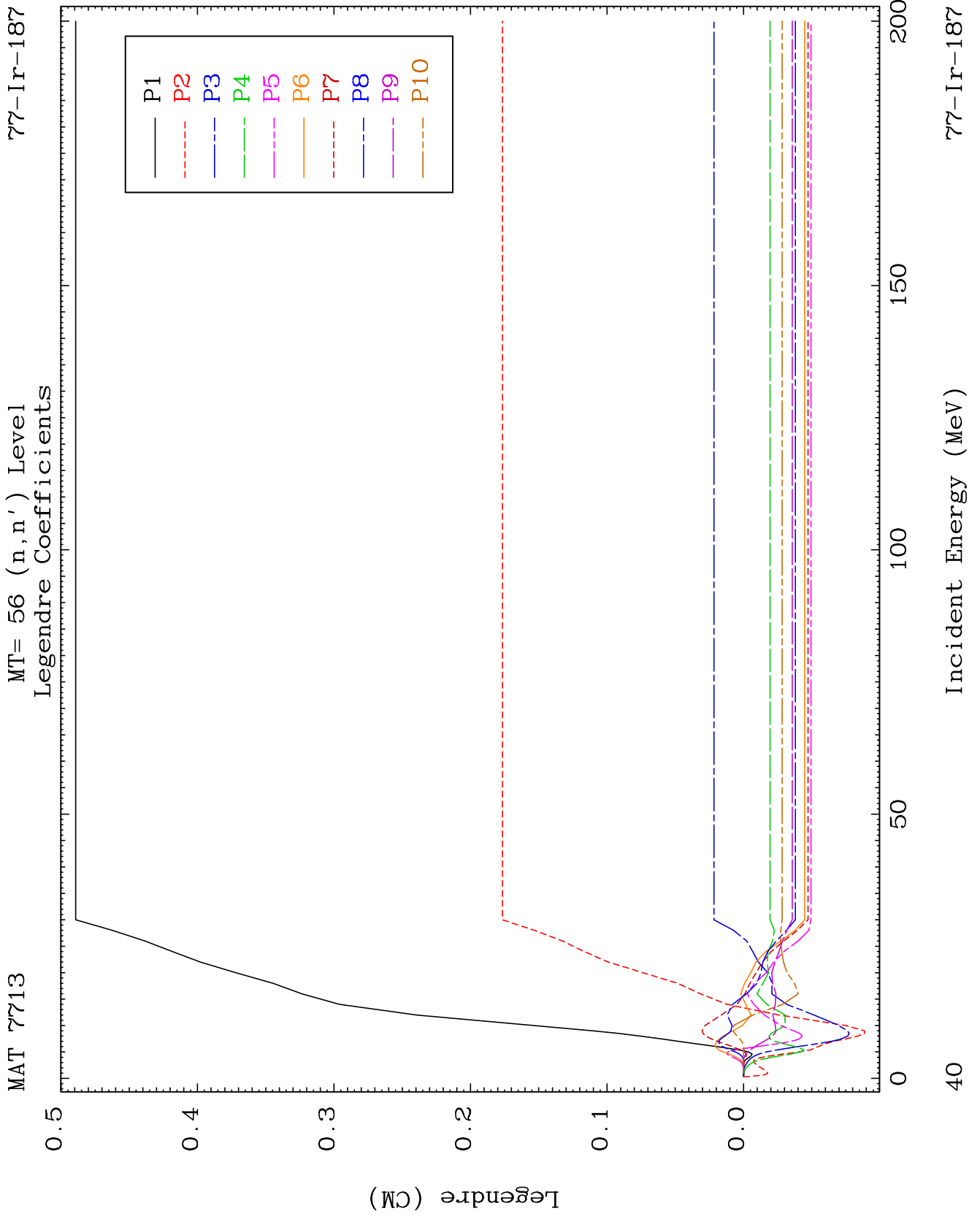
38

Incident Energy (MeV)

77-Ir-187



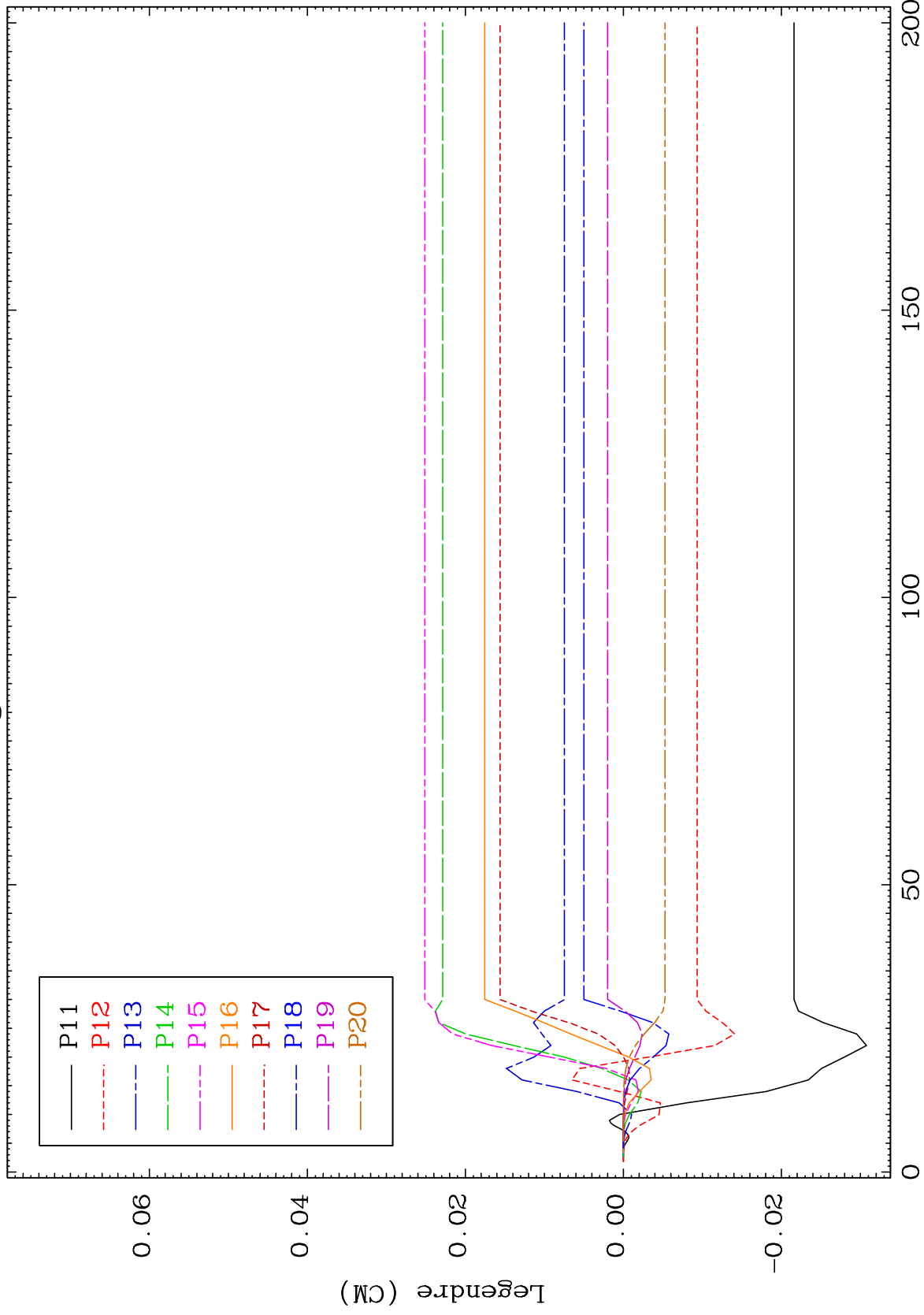




MAT 7713

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

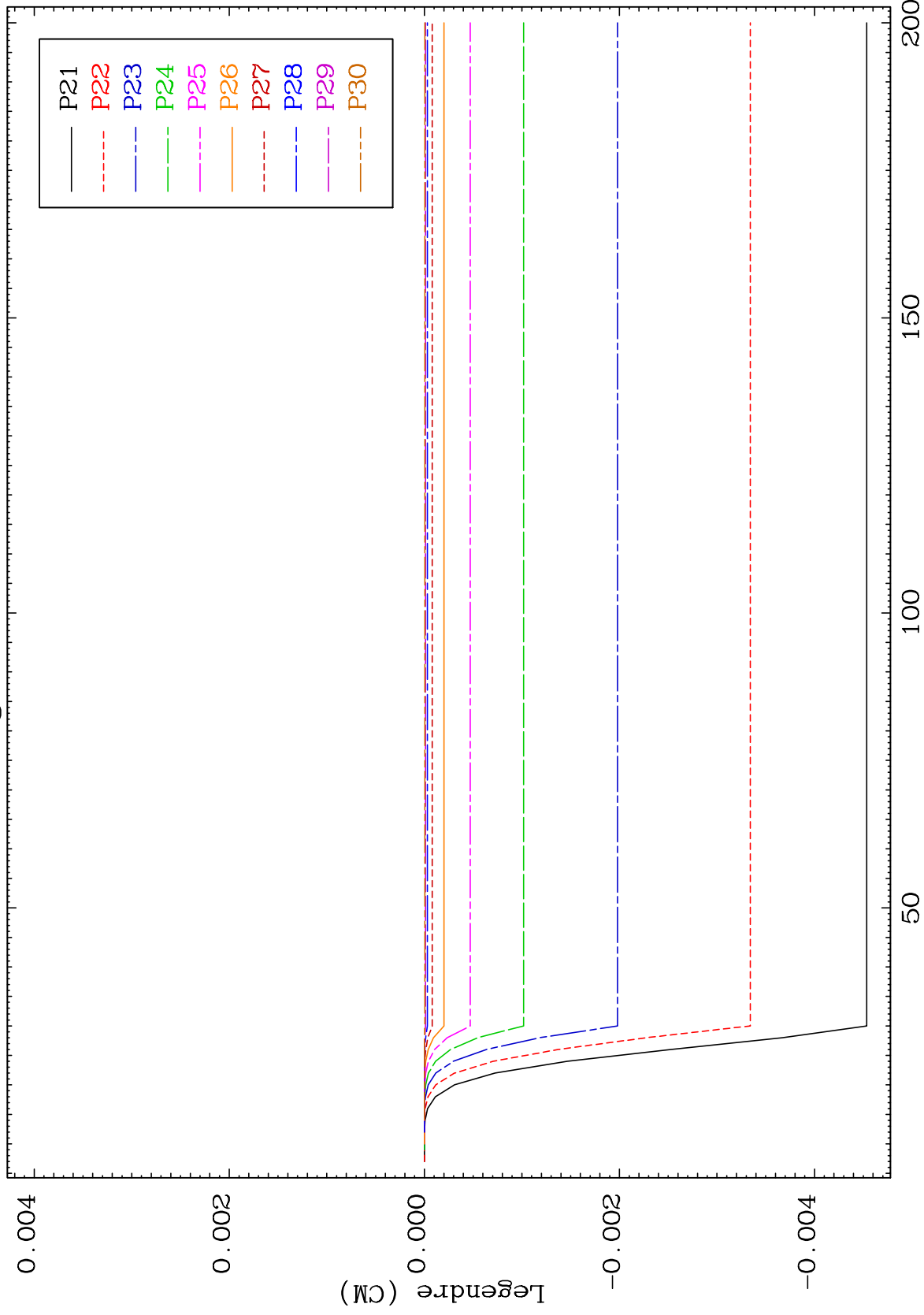
77-Ir-187



MAT 7713

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

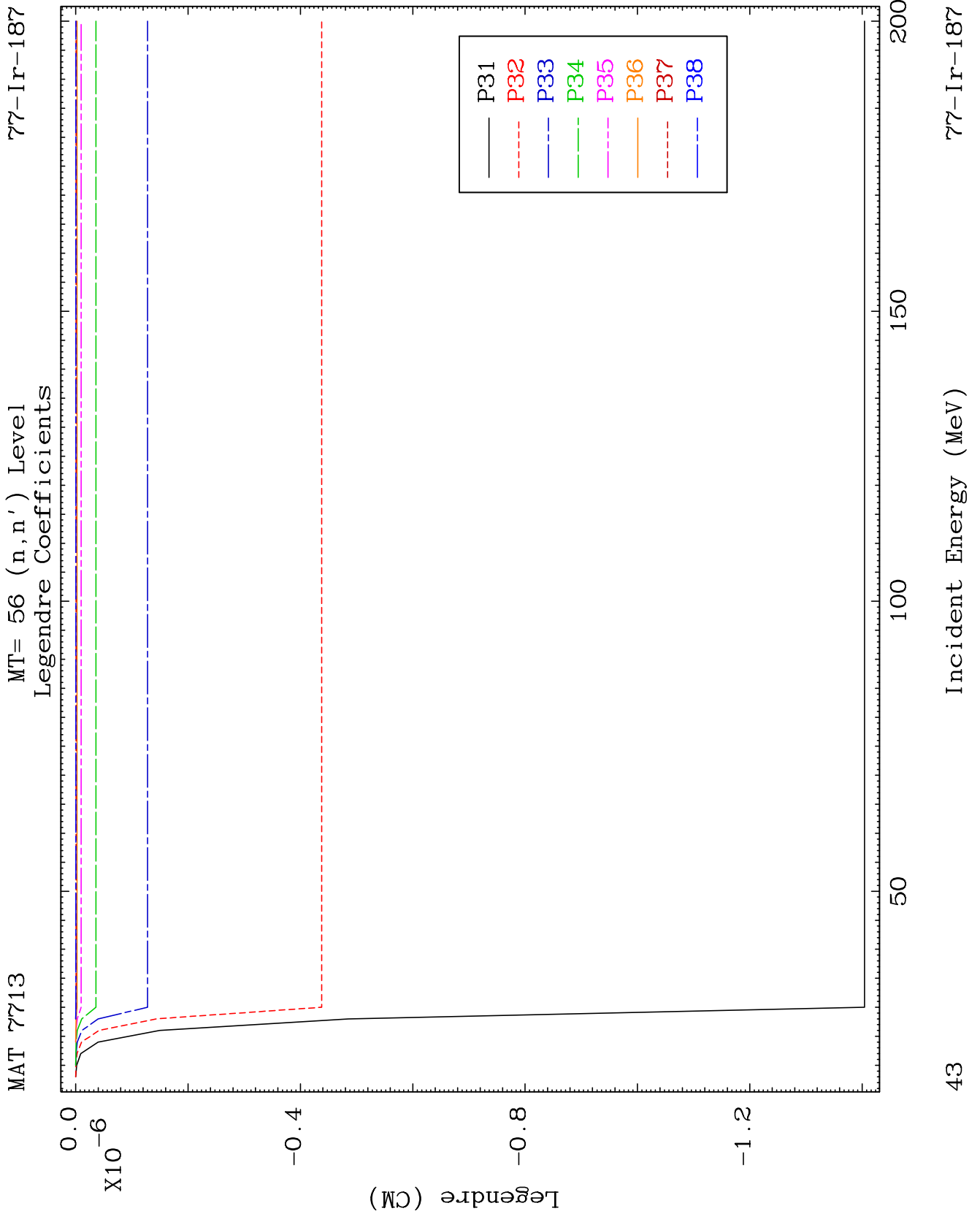
77-Ir-187



42

Incident Energy (MeV)

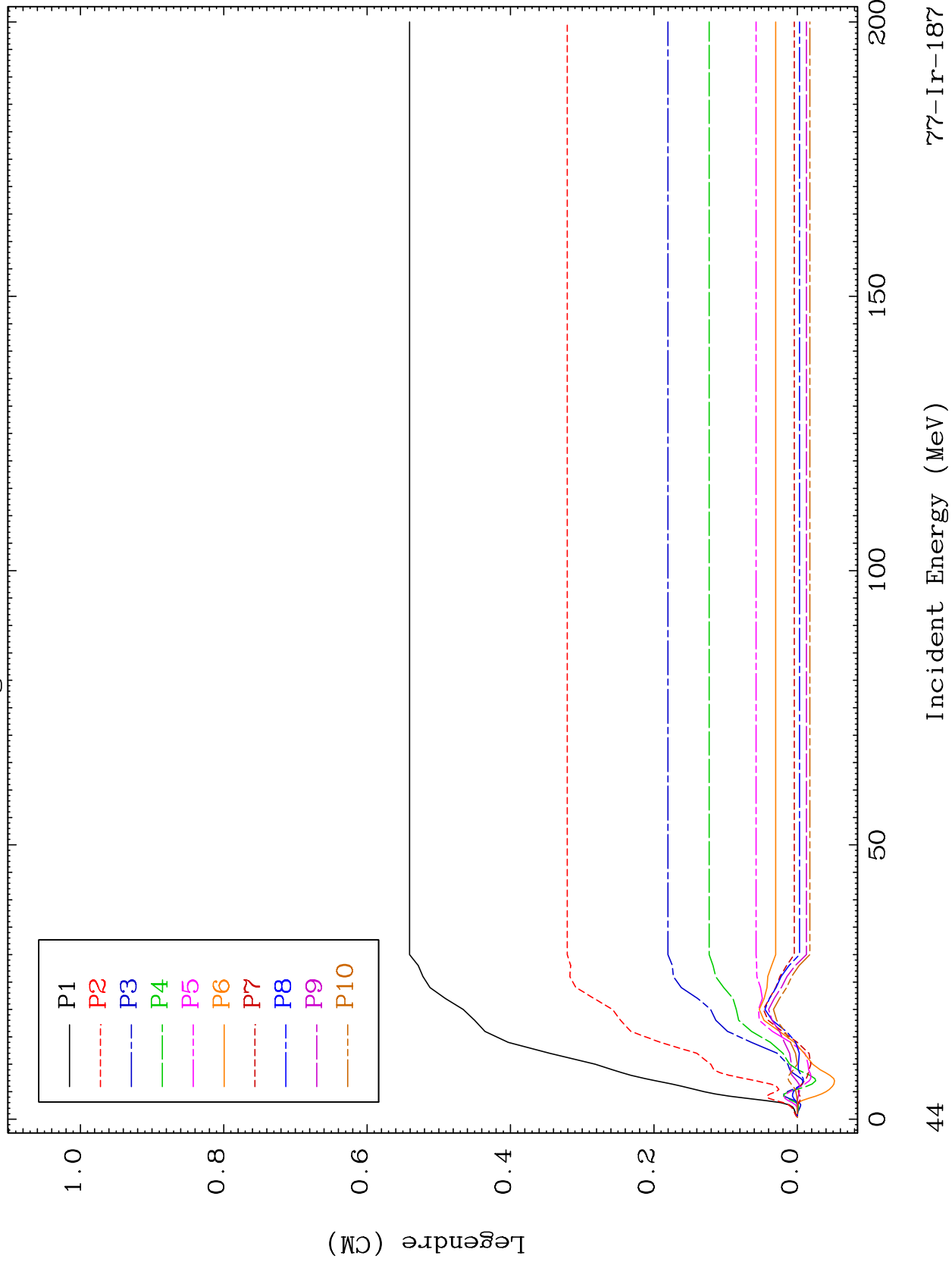
77-Ir-187



MAT 7713

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

77-Ir-187

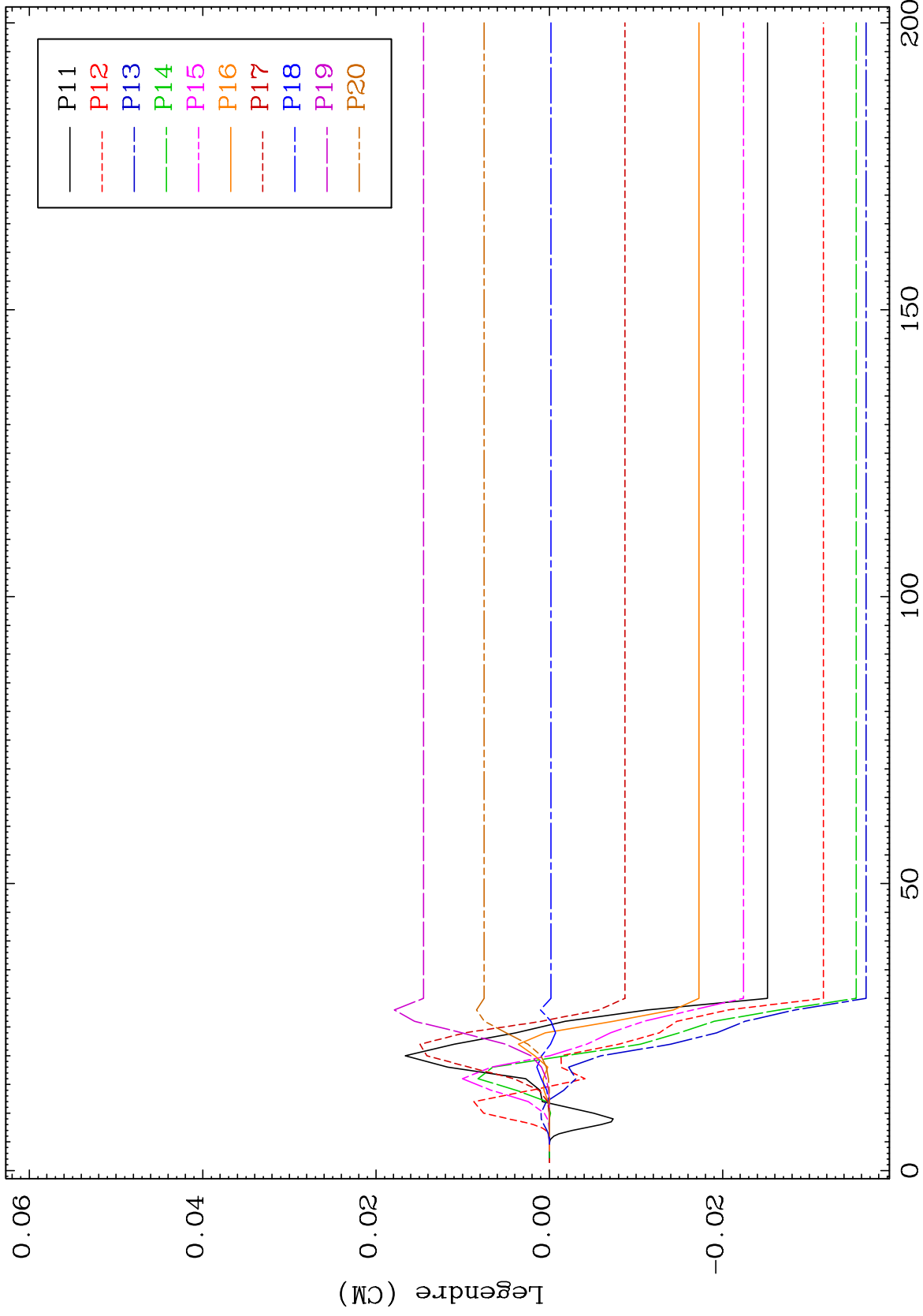


44

MAT 7713

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

77-Ir-187



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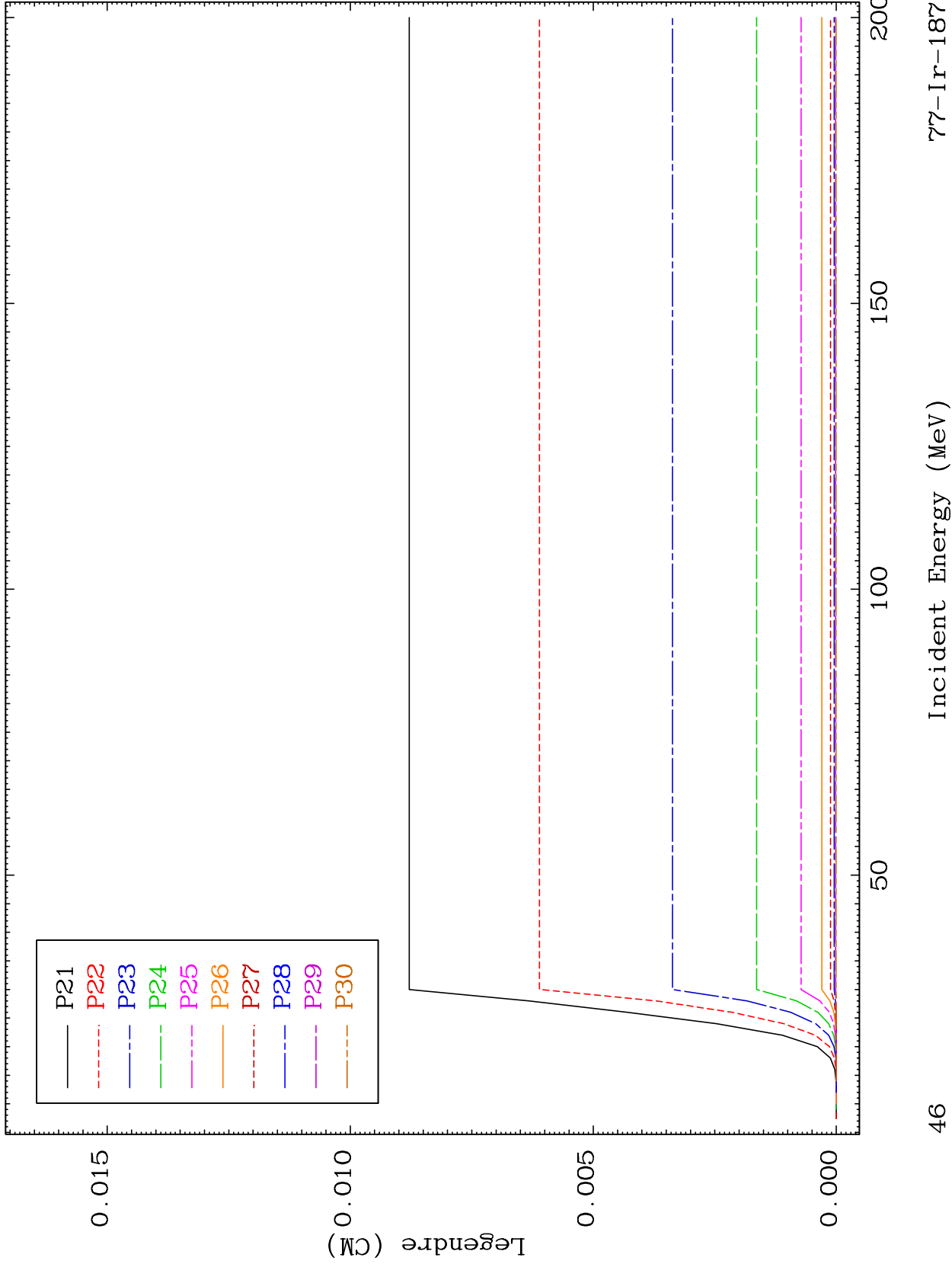
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



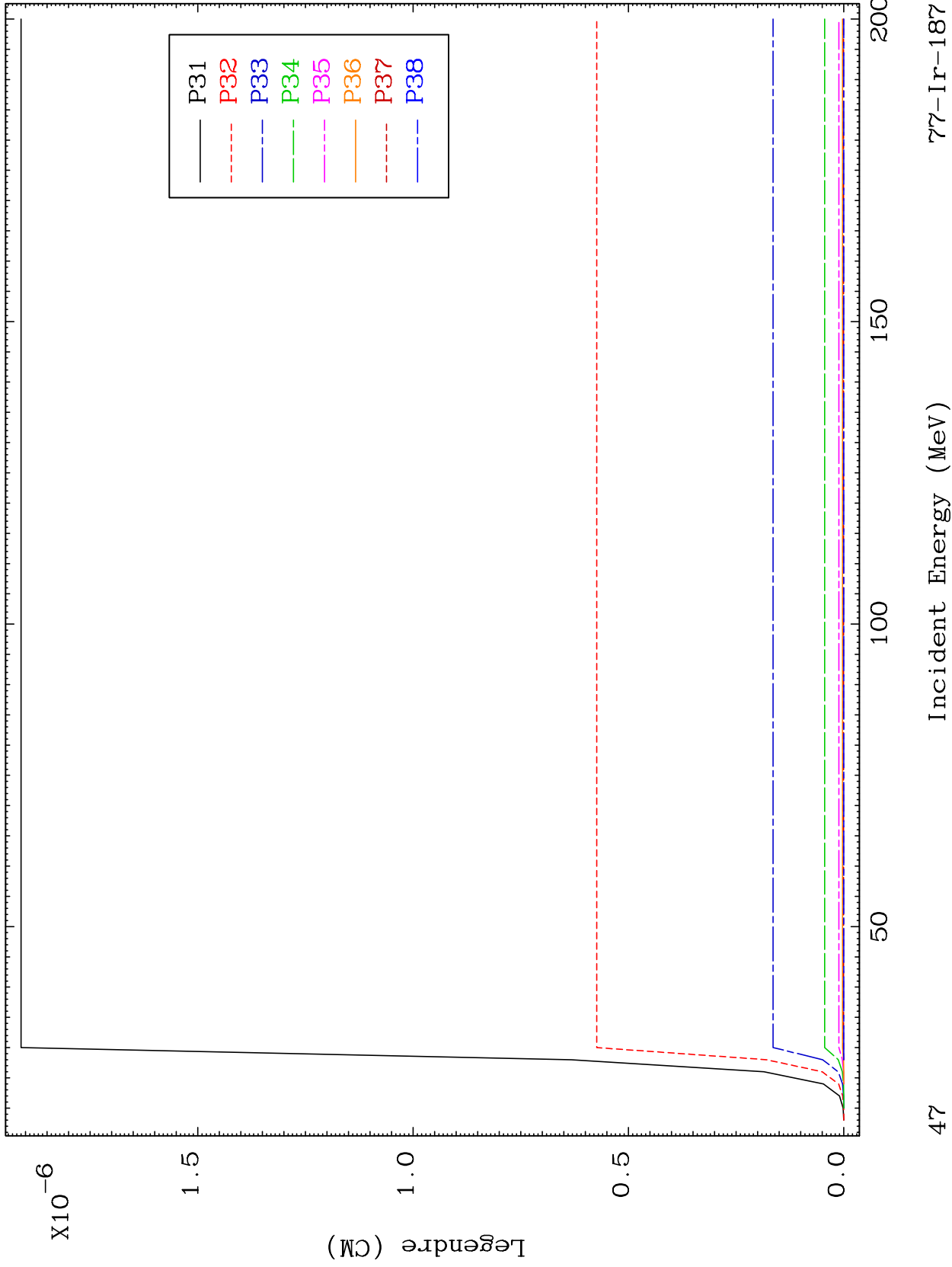
46

77-Ir-187

MAT 7713

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

77-Ir-187



47

Incident Energy (MeV)

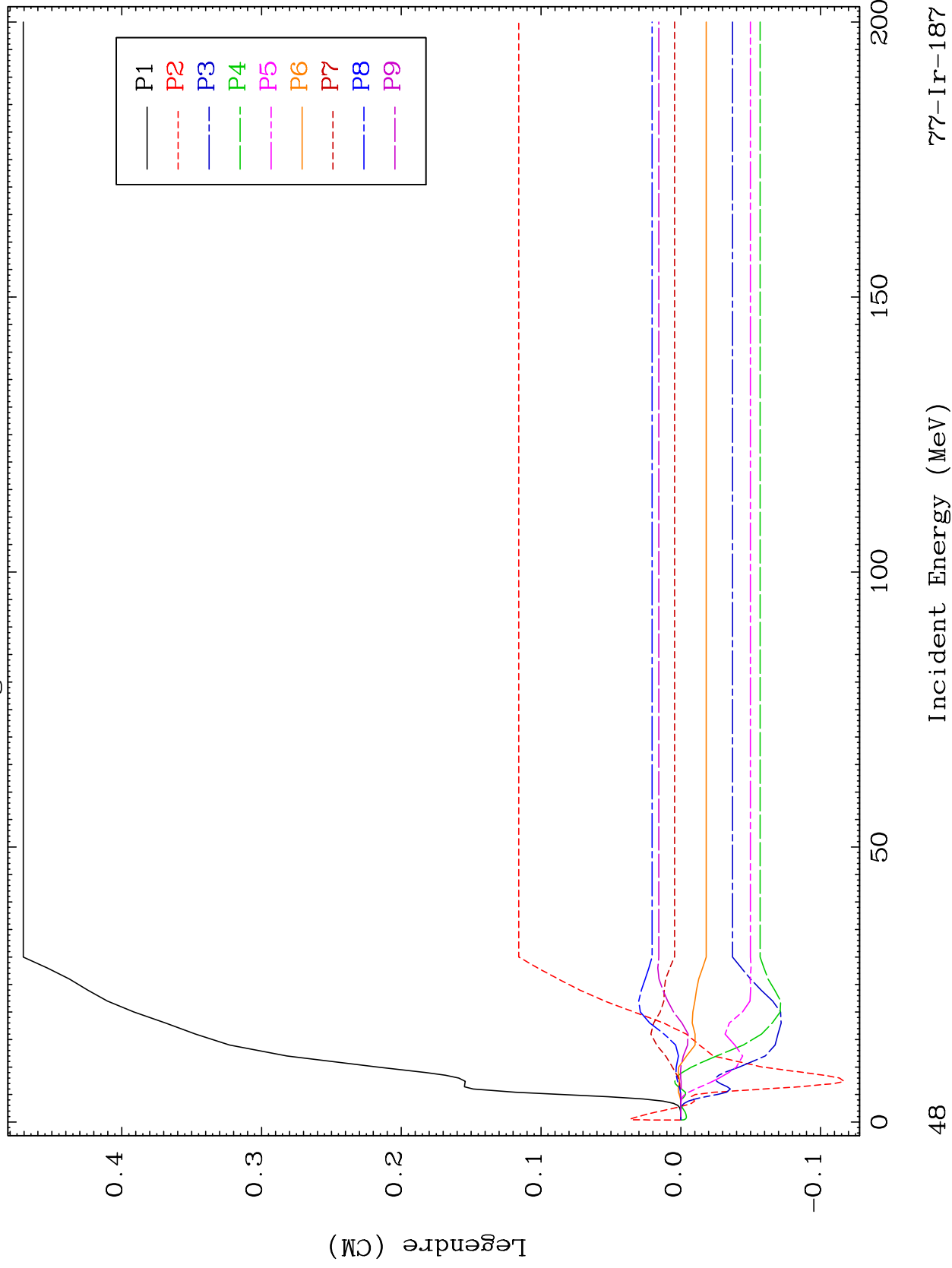
77-Ir-187



MAT 7713

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

77-Ir-187



77-Ir-187

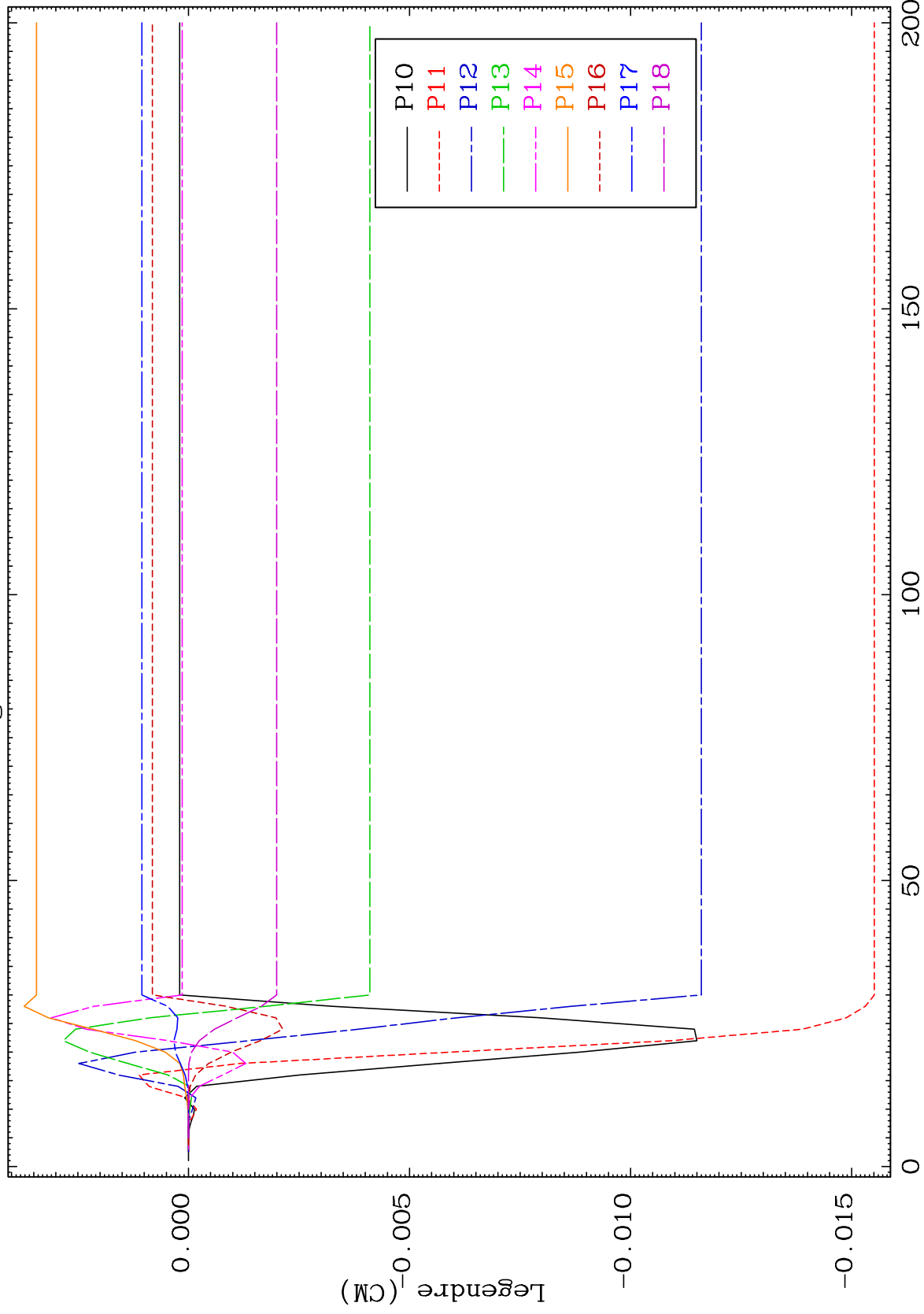
Incident Energy (MeV)

48

MAT 7713

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

77-Ir-187



49

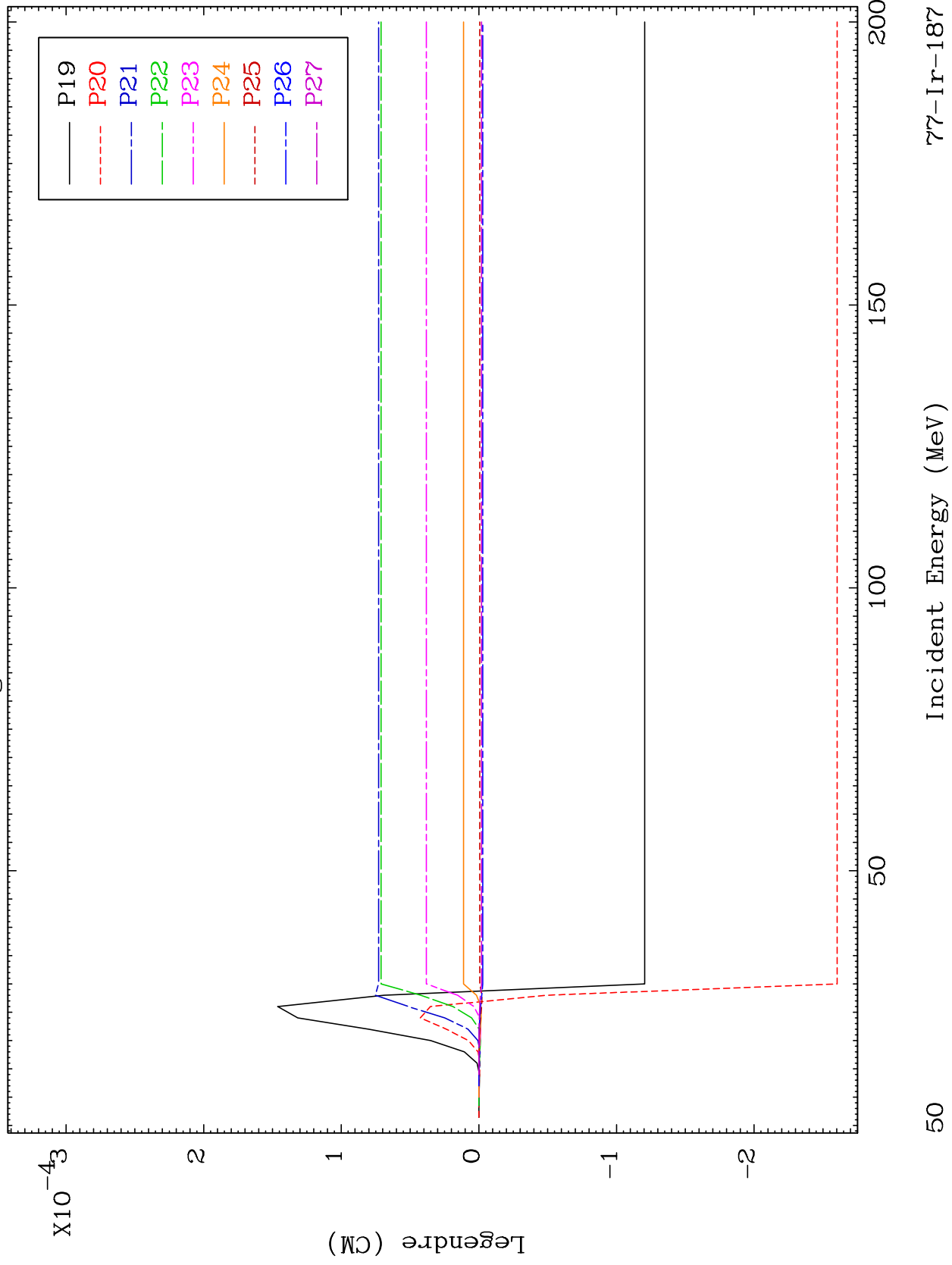
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

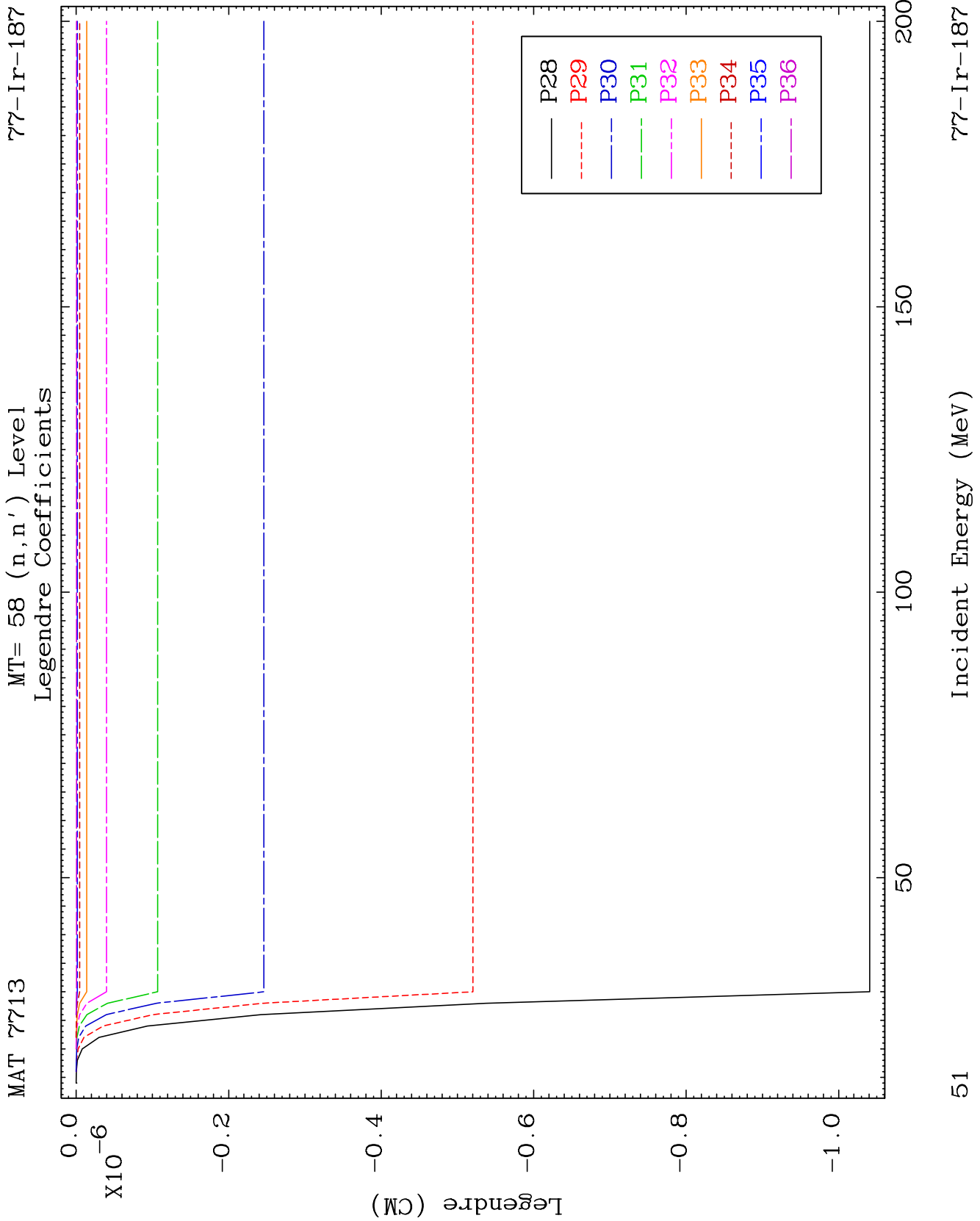
77-Ir-187



77-Ir-187

Incident Energy (MeV)

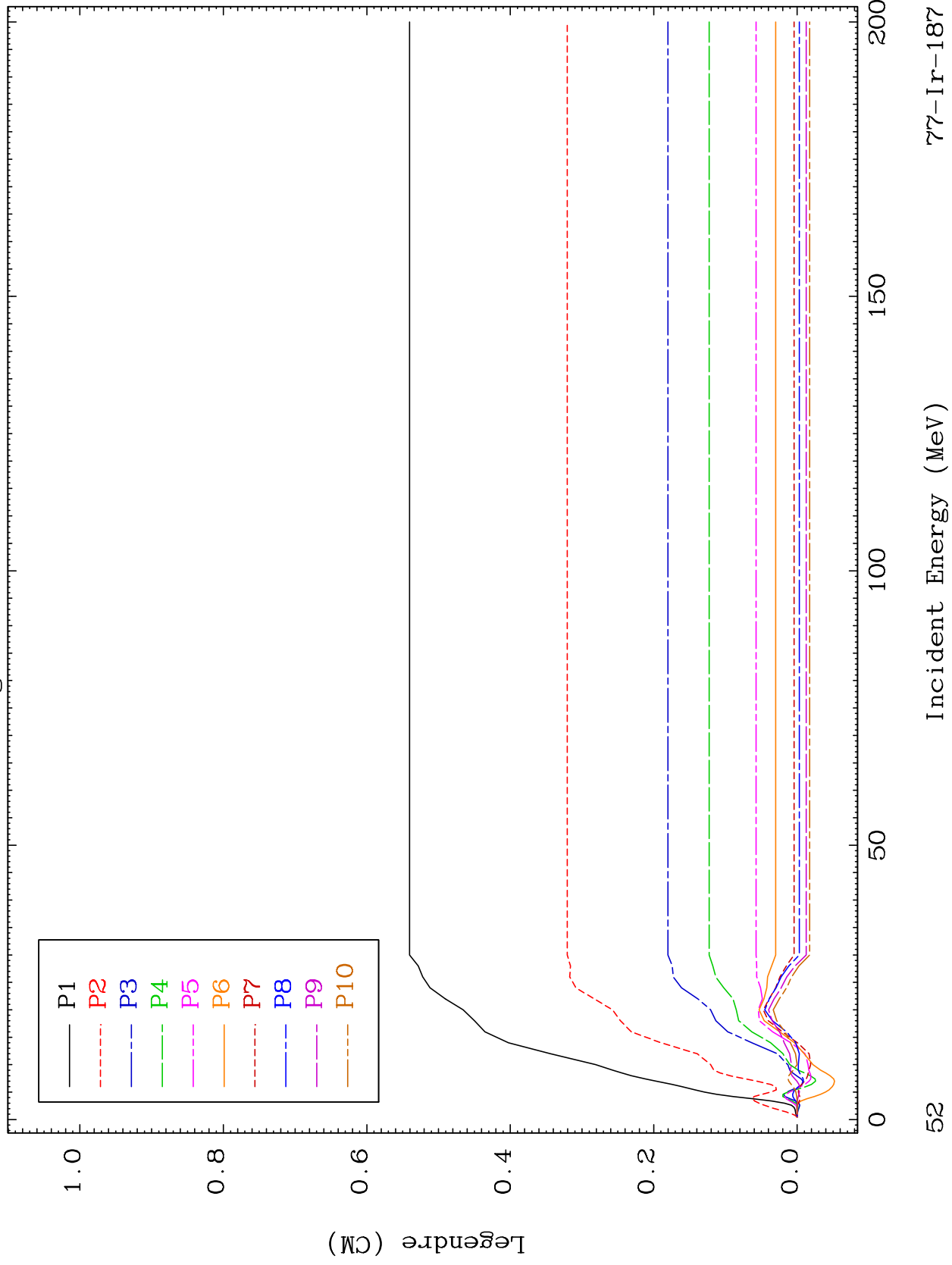
50



MAT 7713

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

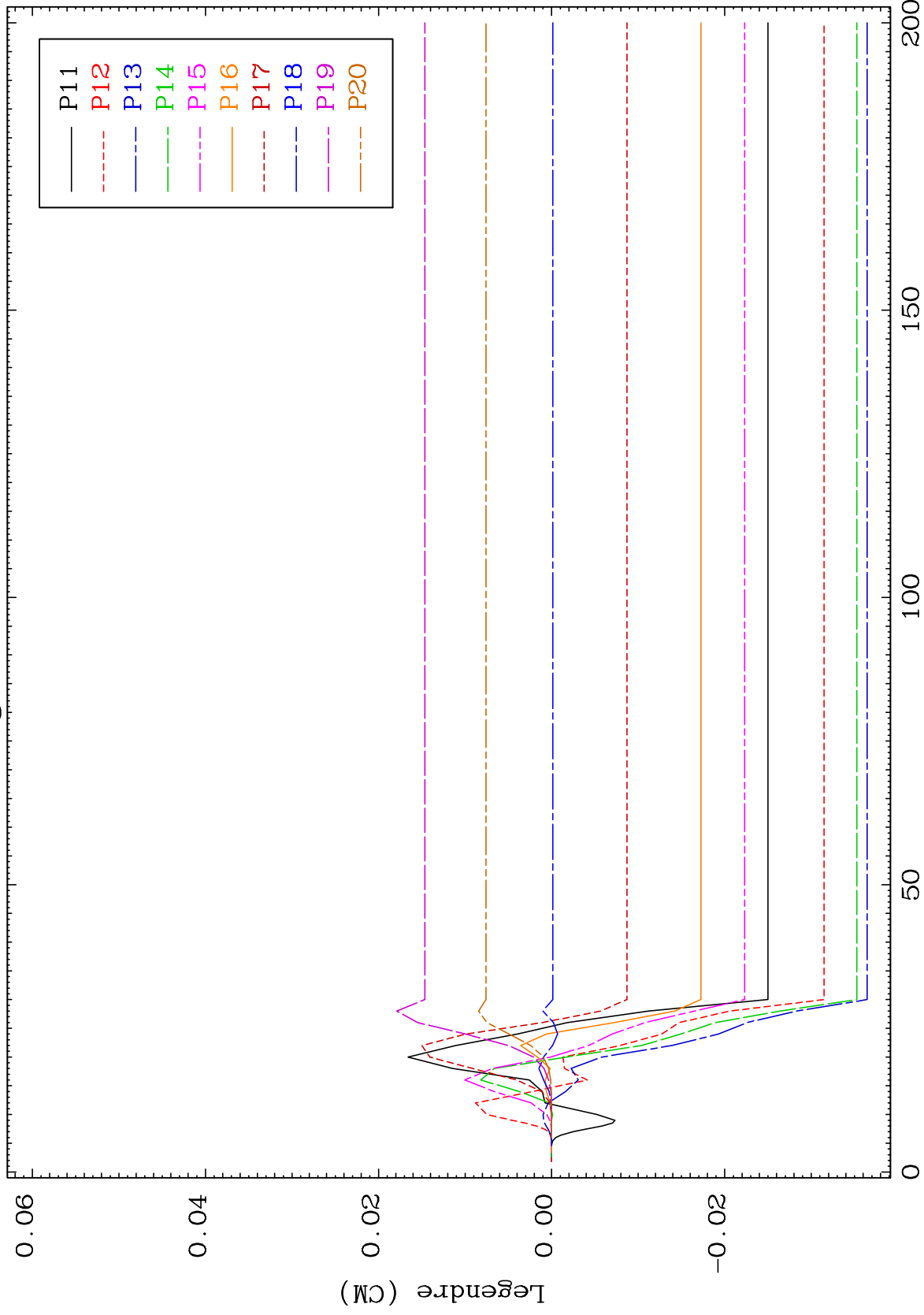
77-Ir-187



MAT 7713

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

77-Ir-187



53

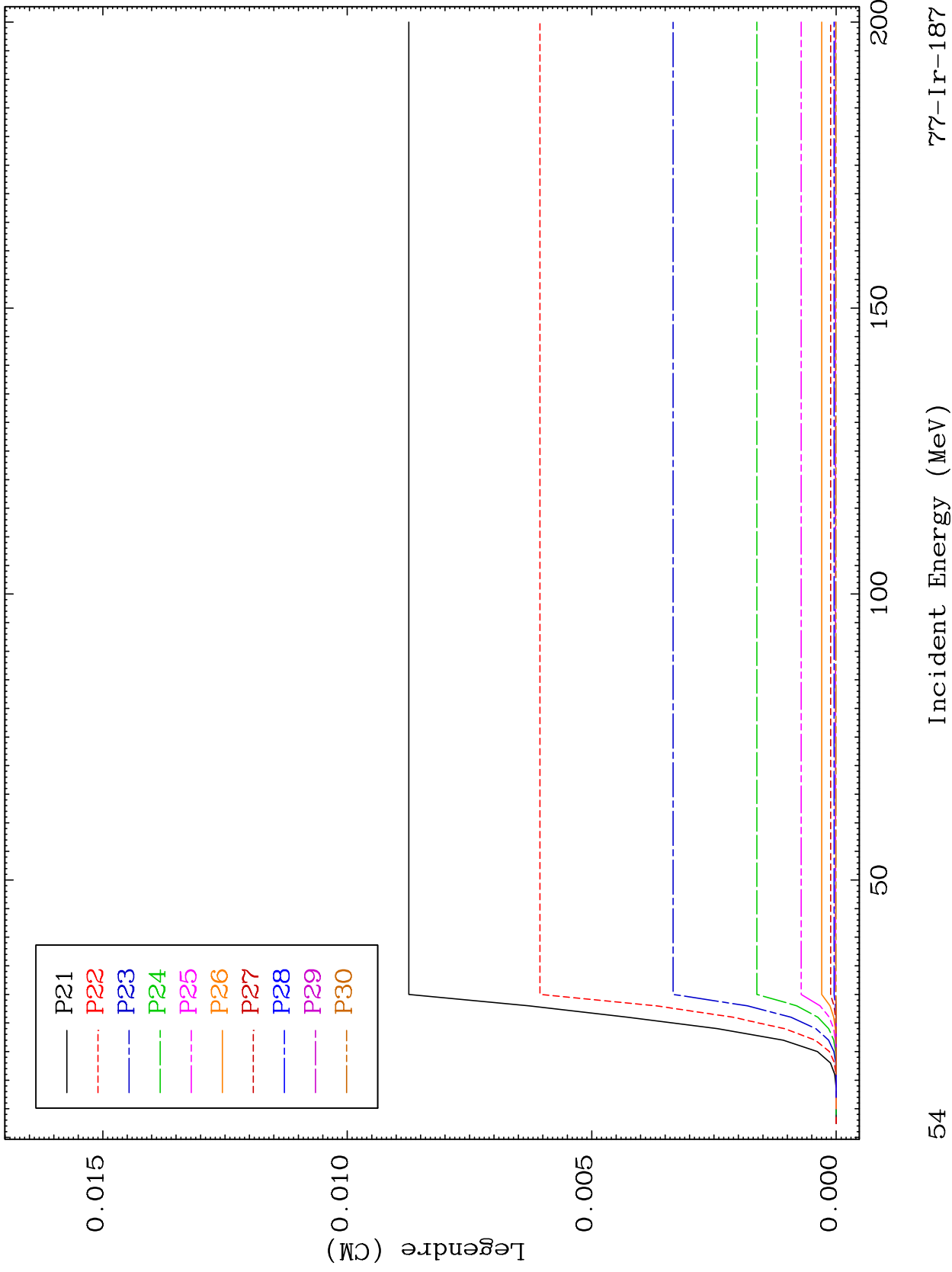
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



54

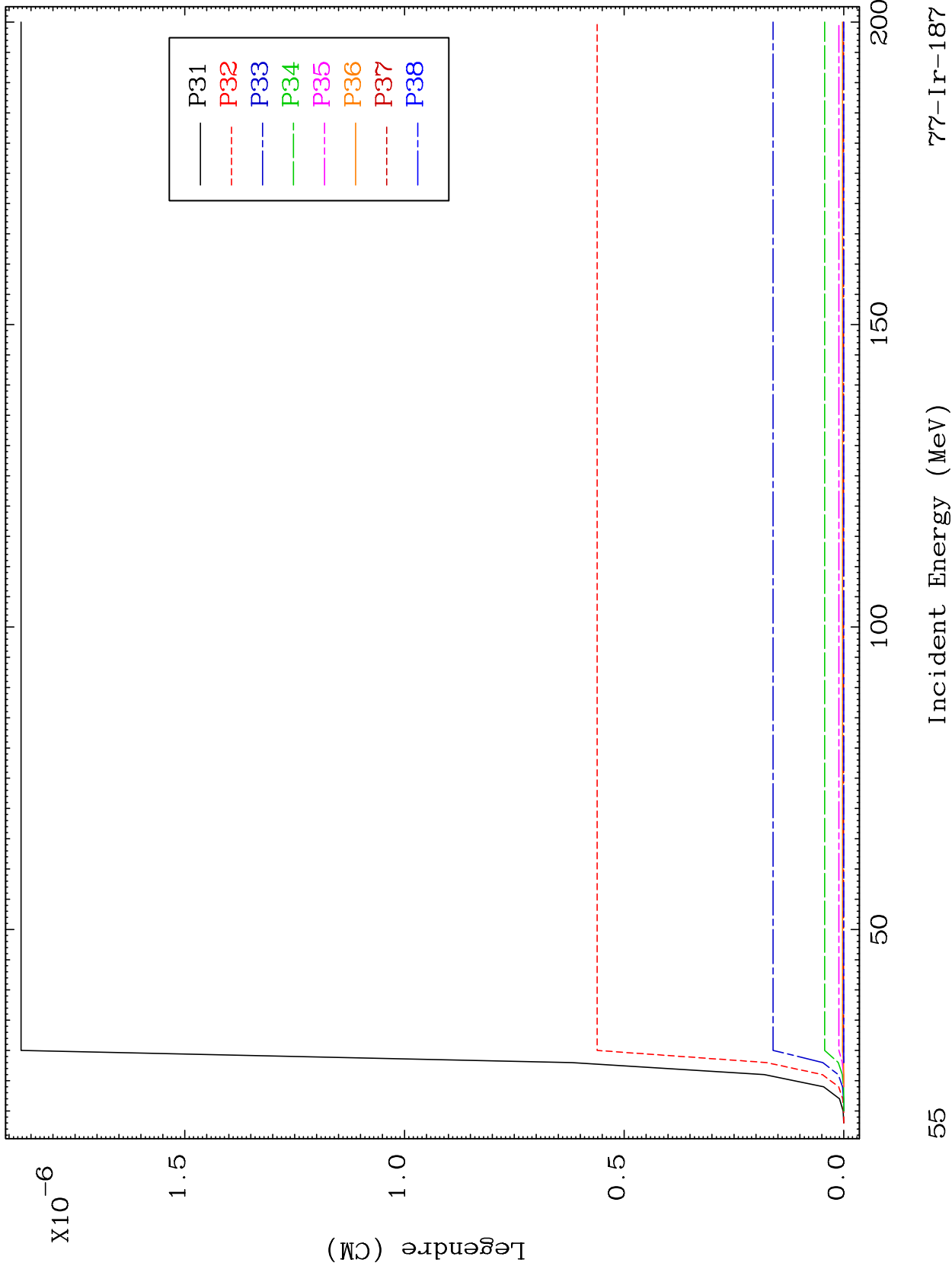
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



55

Incident Energy (MeV)

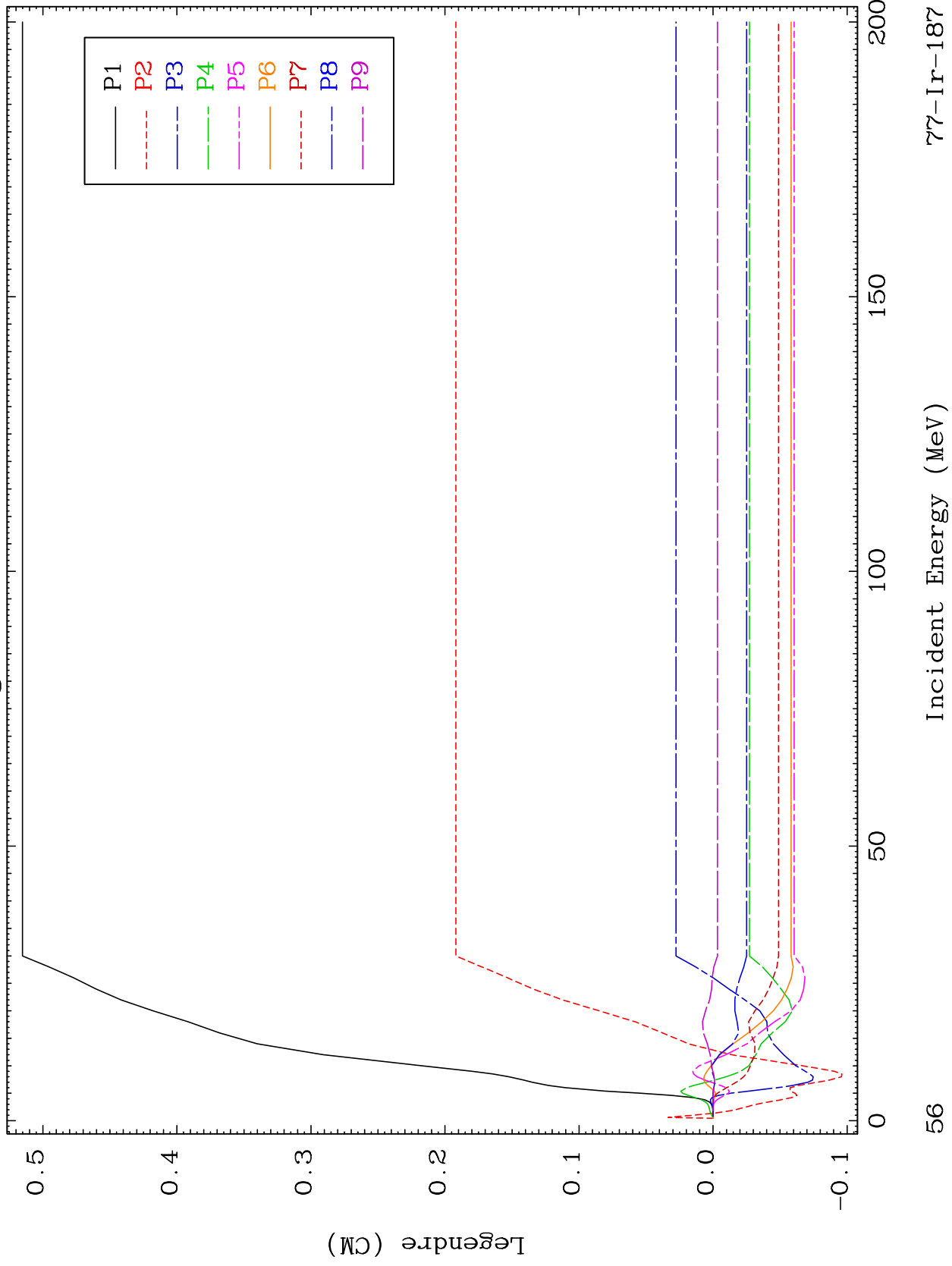
77-Ir-187



MAT 7713

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

77-Ir-187



77-Ir-187

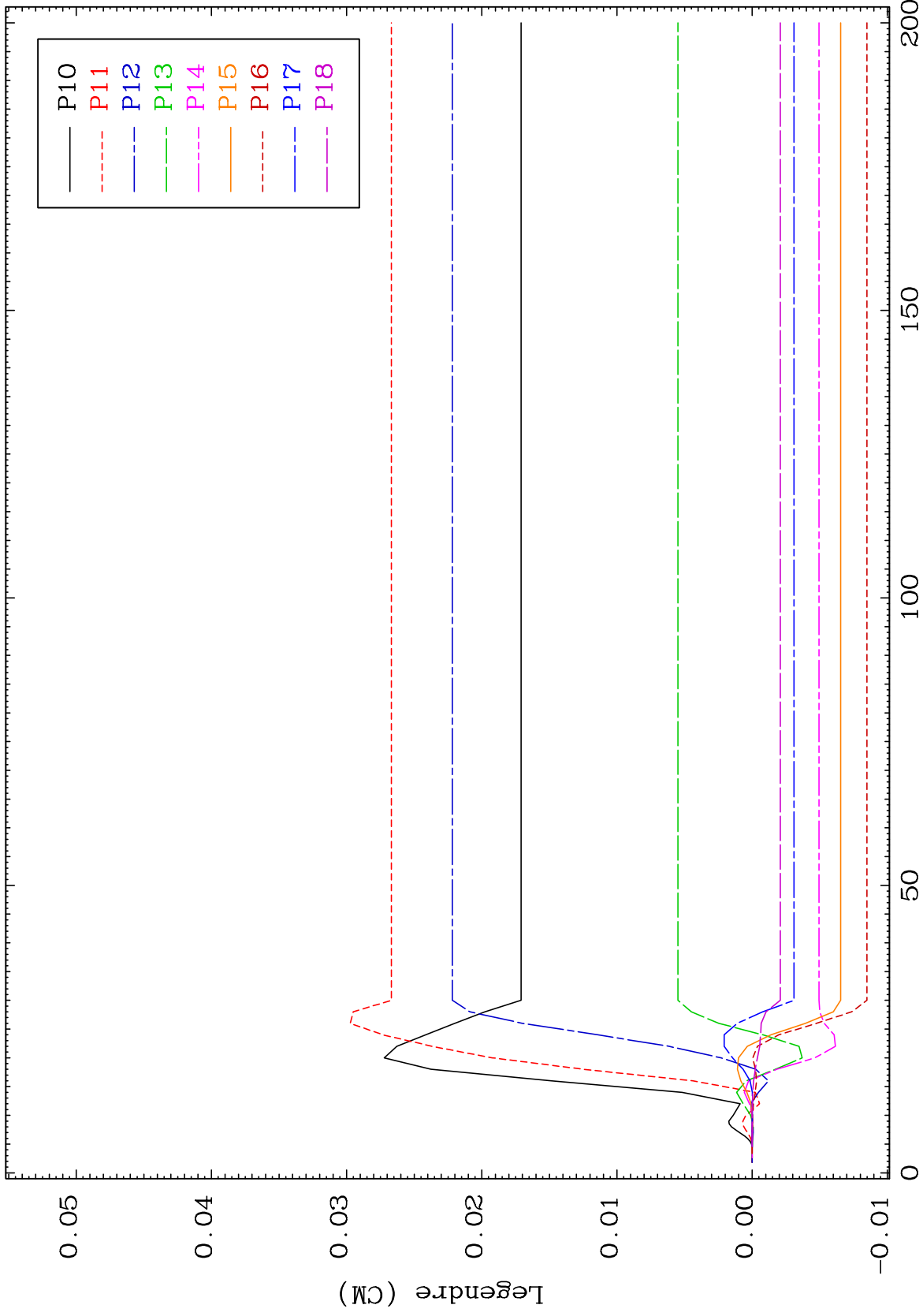
Incident Energy (MeV)

56

MAT 7713

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

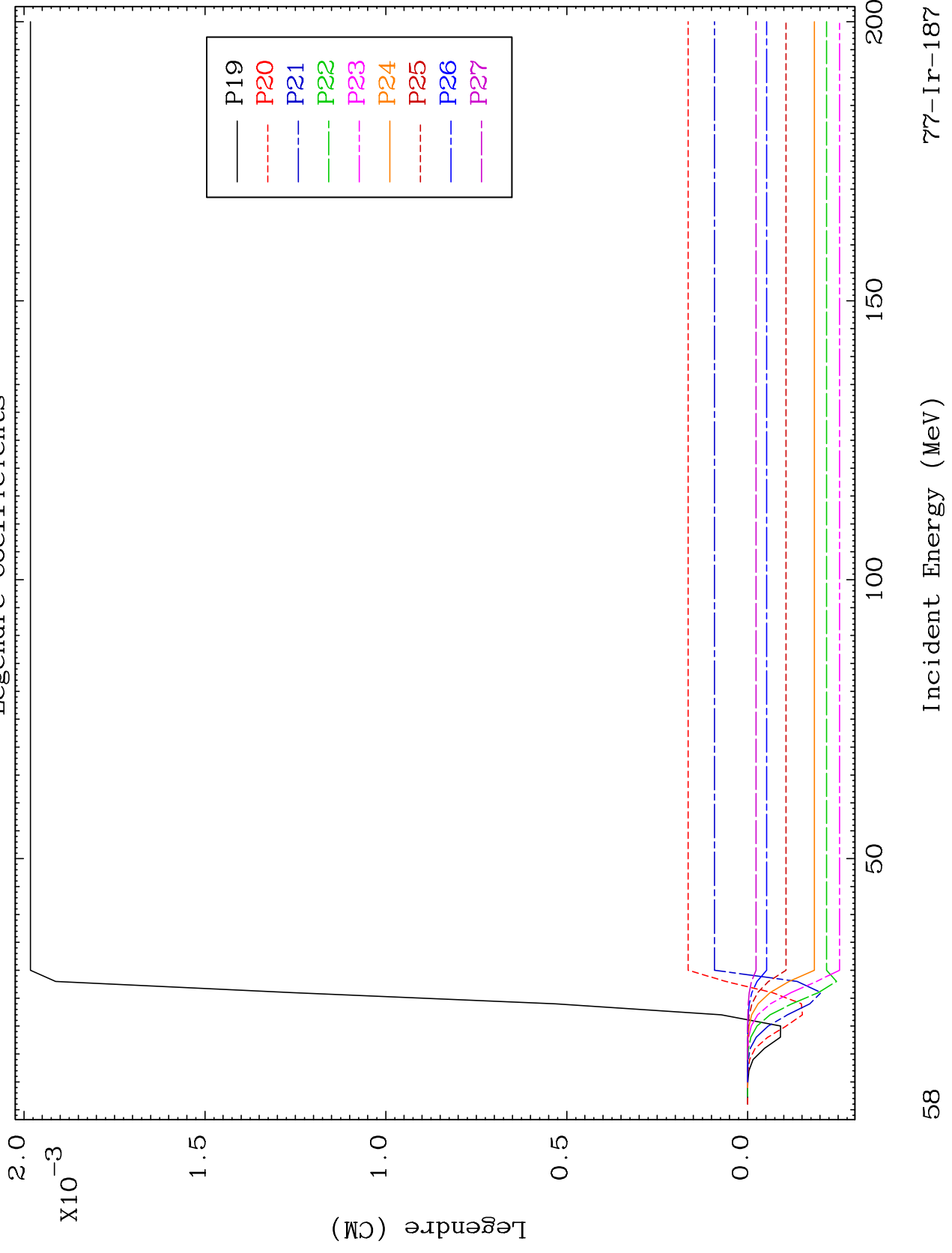
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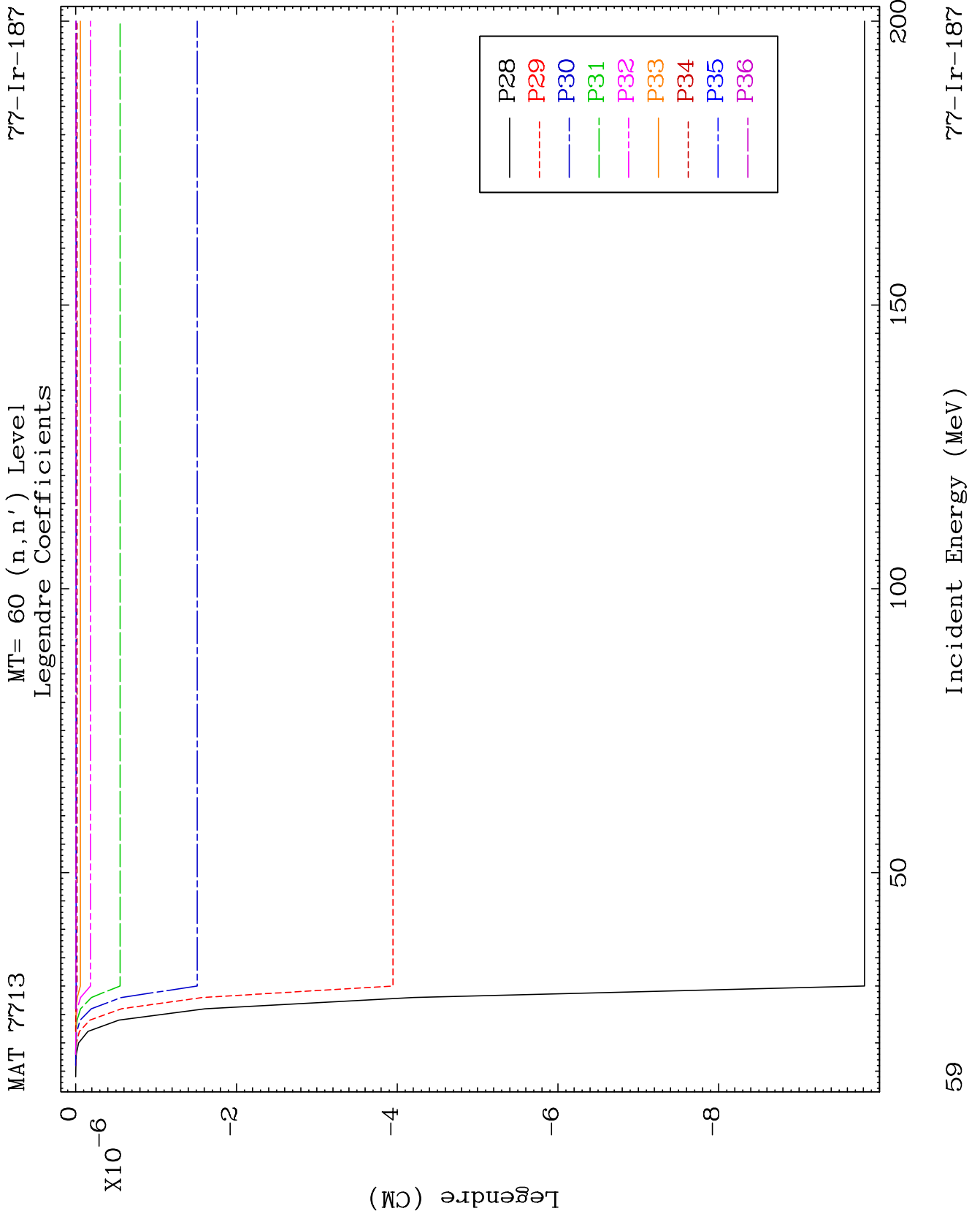


57

Incident Energy (MeV)

77-Ir-187

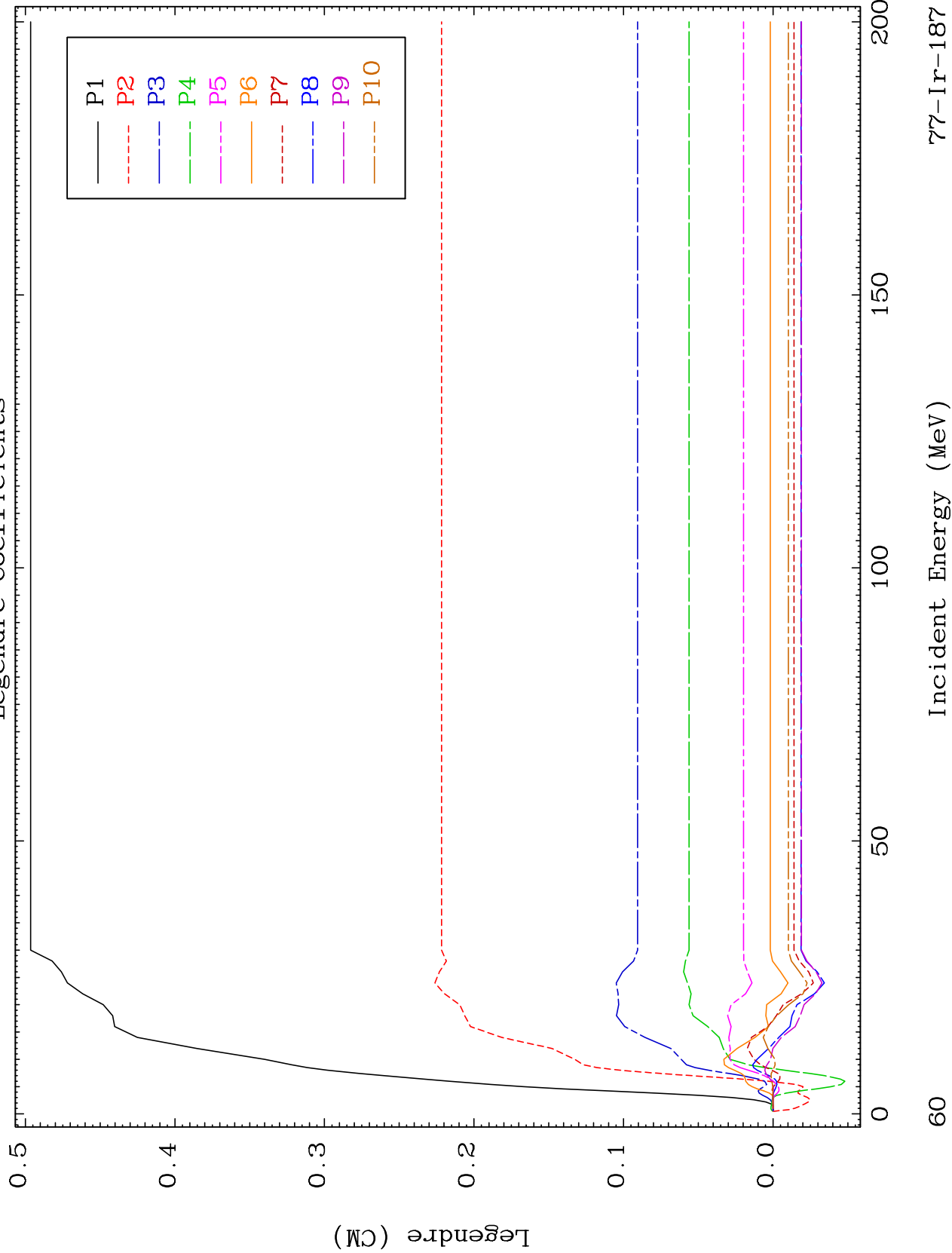




MAT 7713

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

77-Ir-187



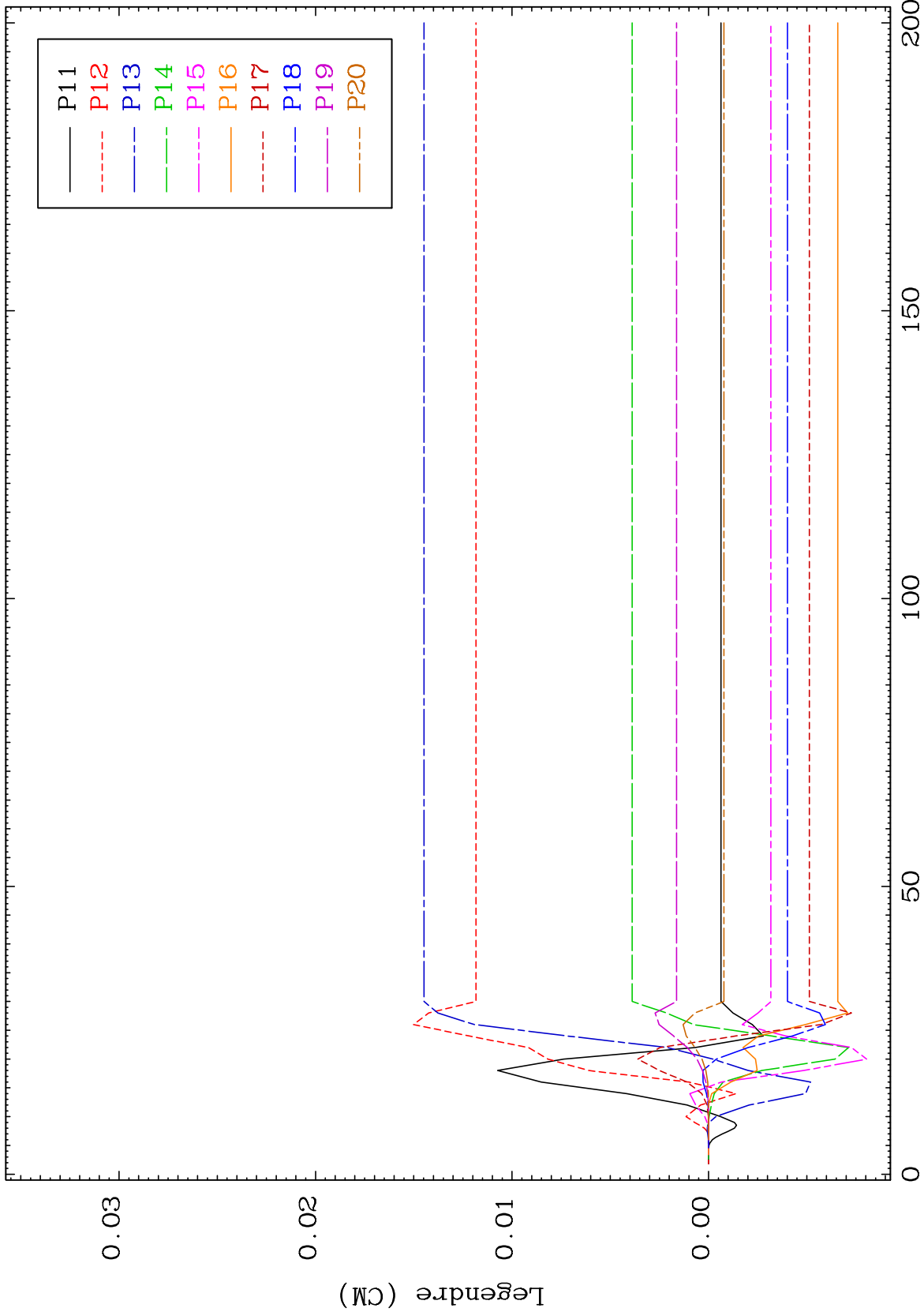
77-Ir-187

Incident Energy (MeV)

MAT 7713

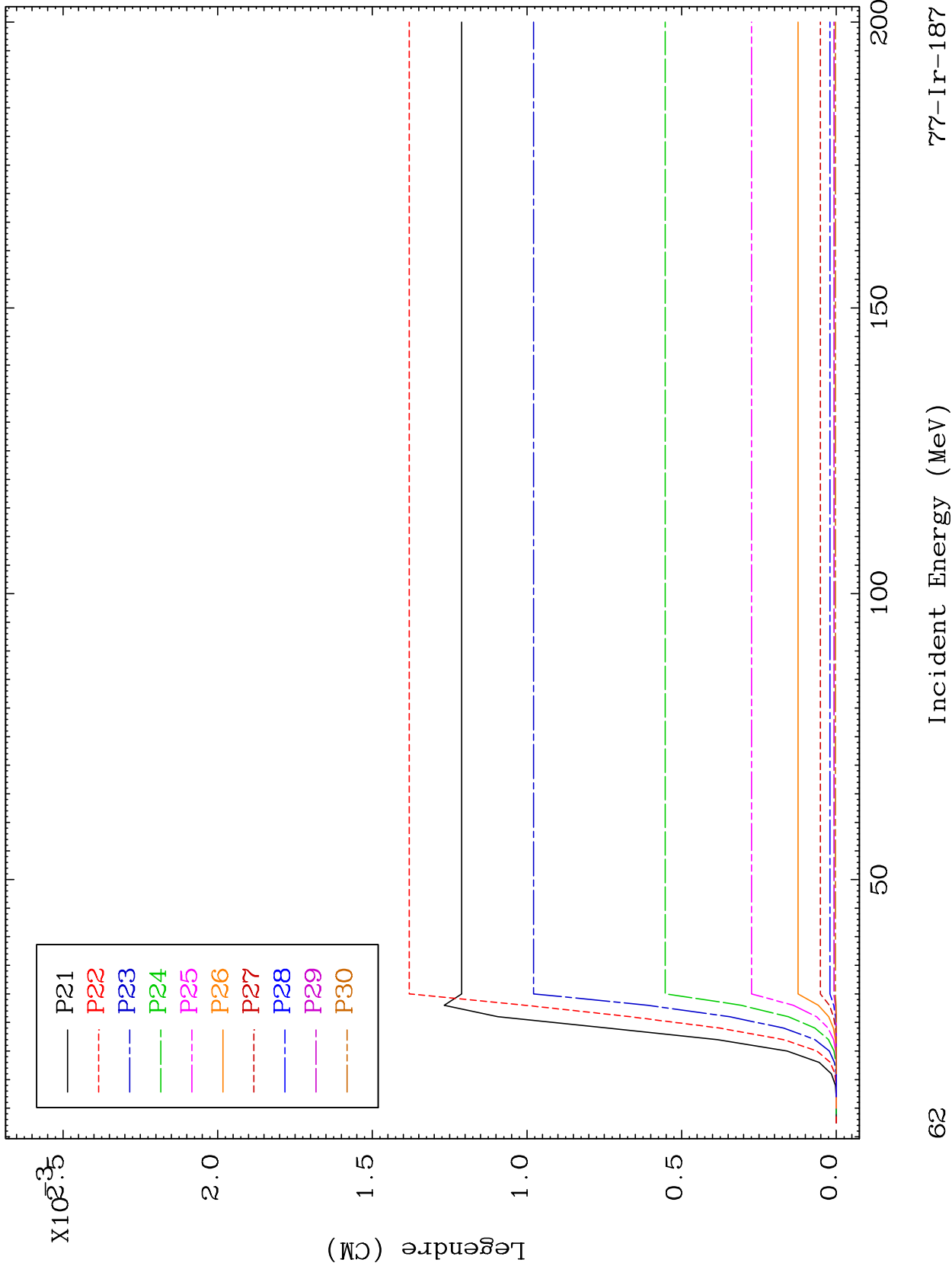
MT= 61 (n,n') Level Legendre Coefficients

77-Ir-187



61

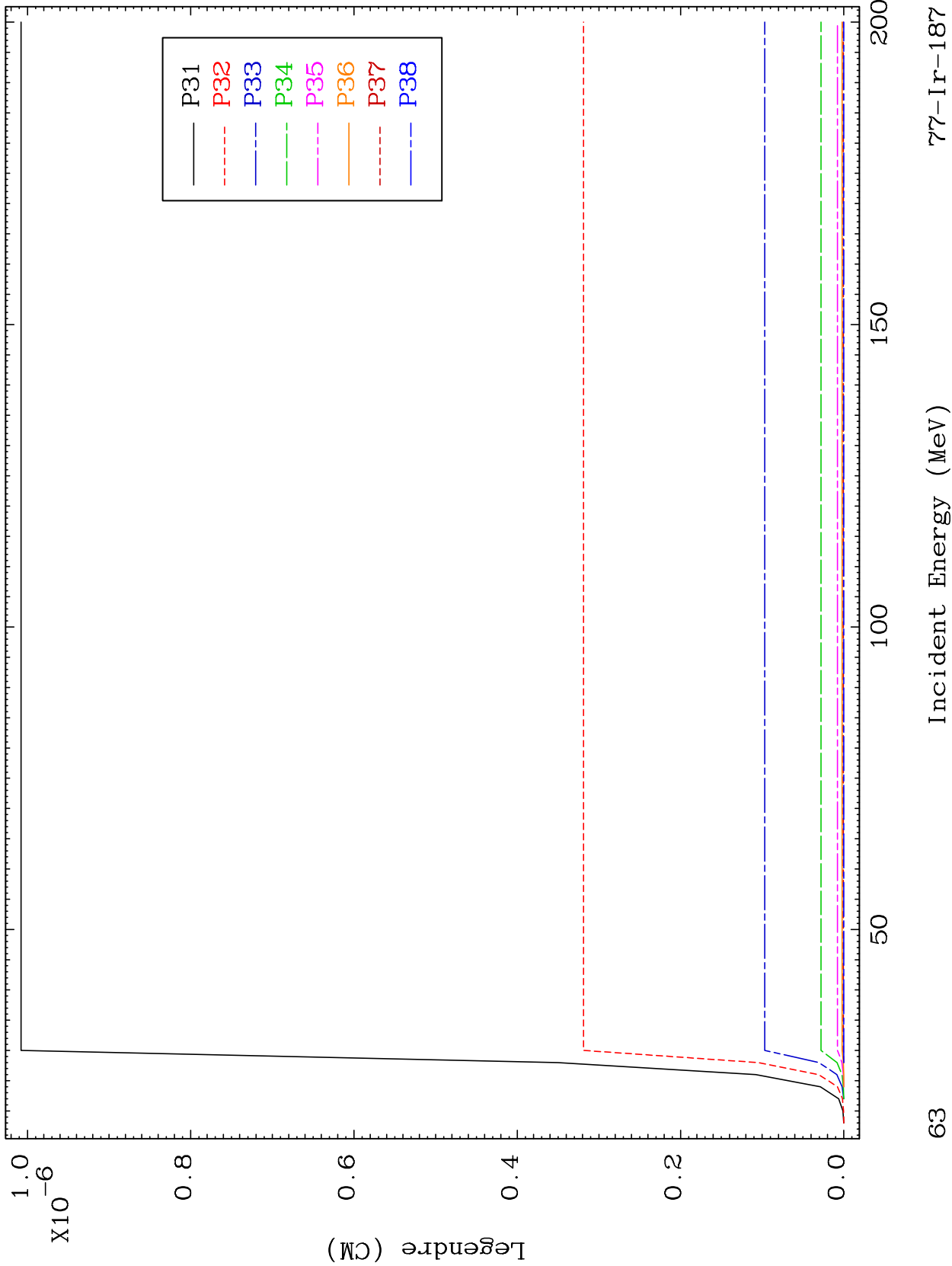
77-Ir-187



MAT 7713

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

77-Ir-187

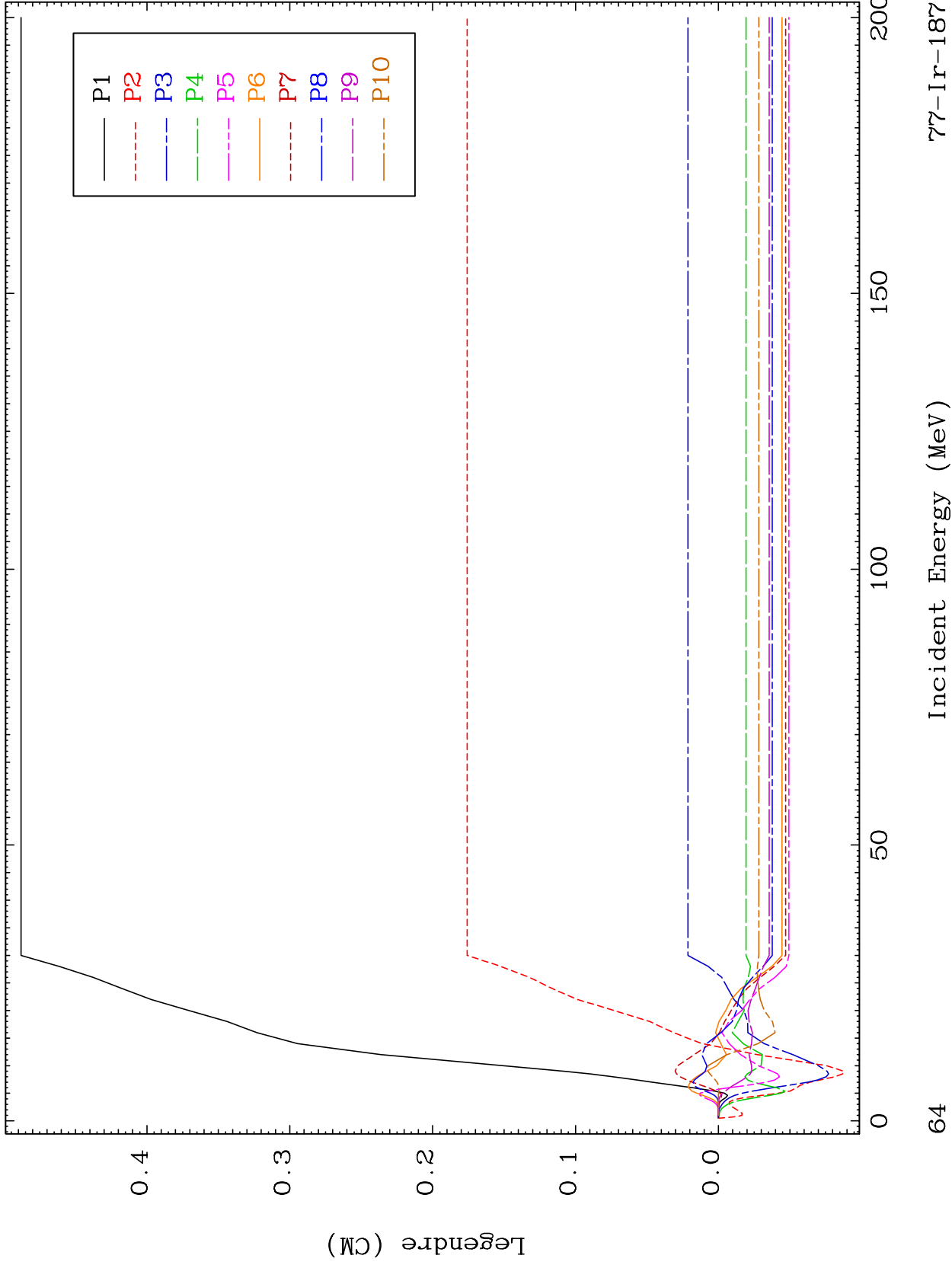




MAT 7713

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

77-Ir-187



64

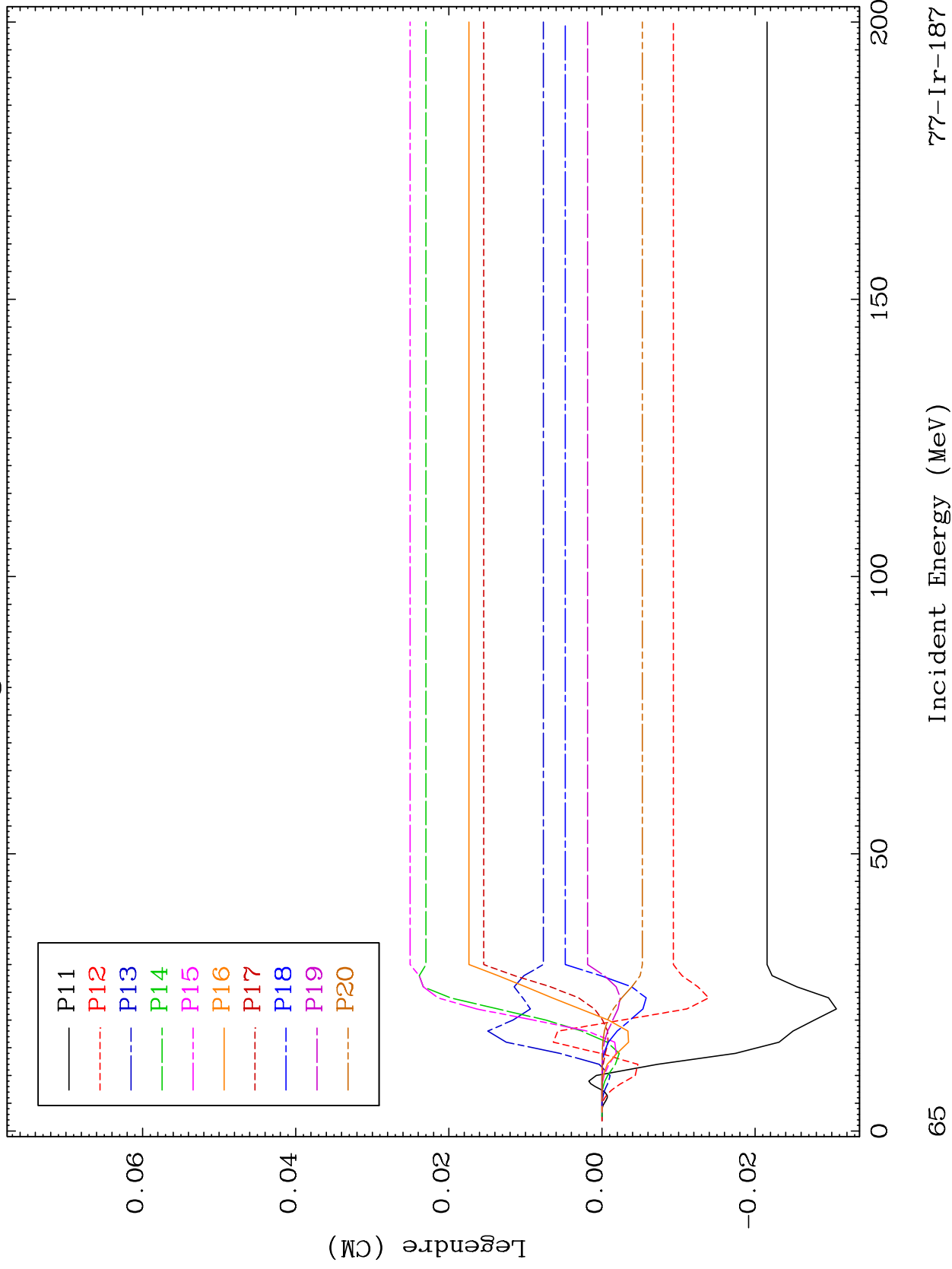
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



77-Ir-187

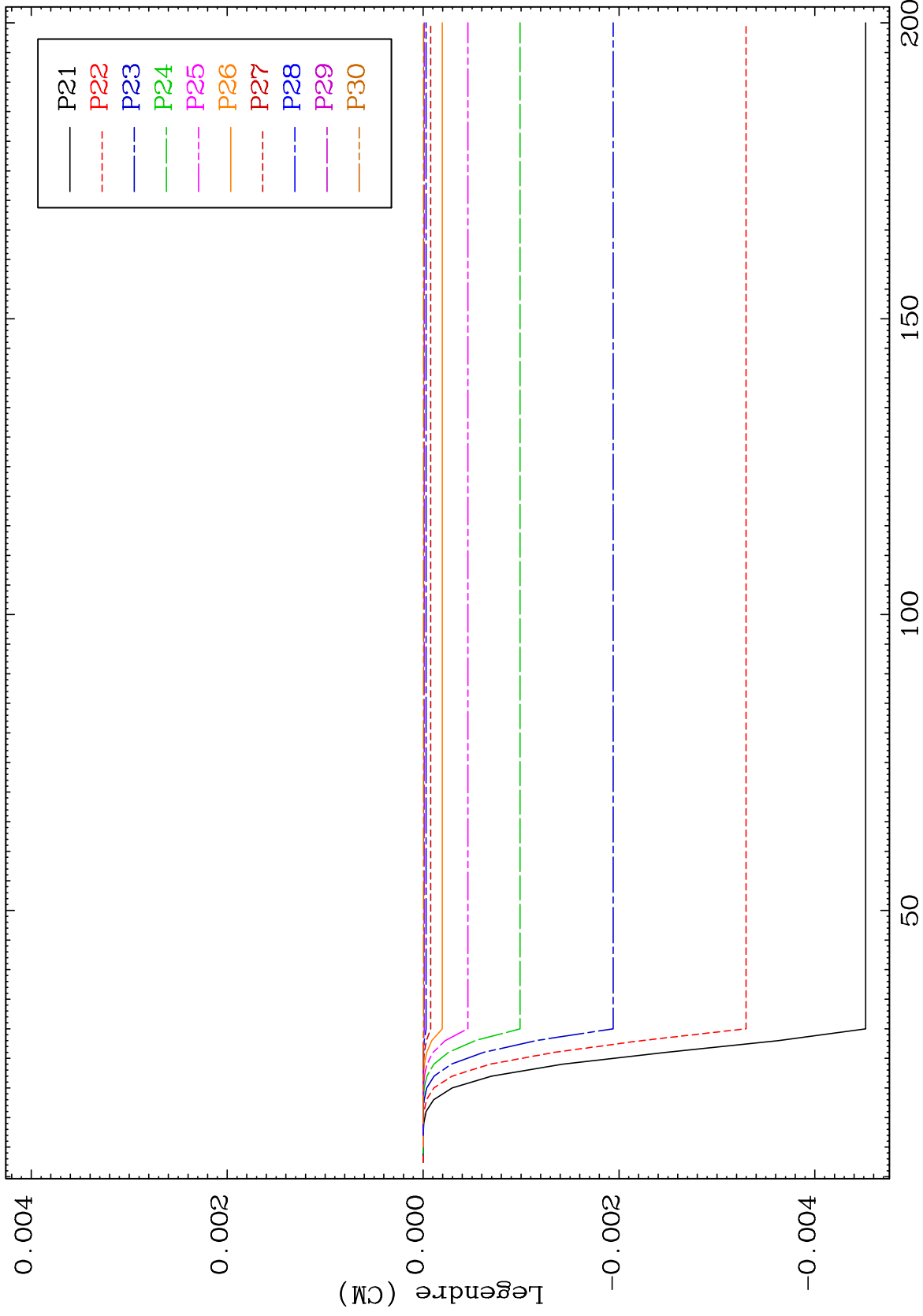
Incident Energy (MeV)

65

MAT 7713

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

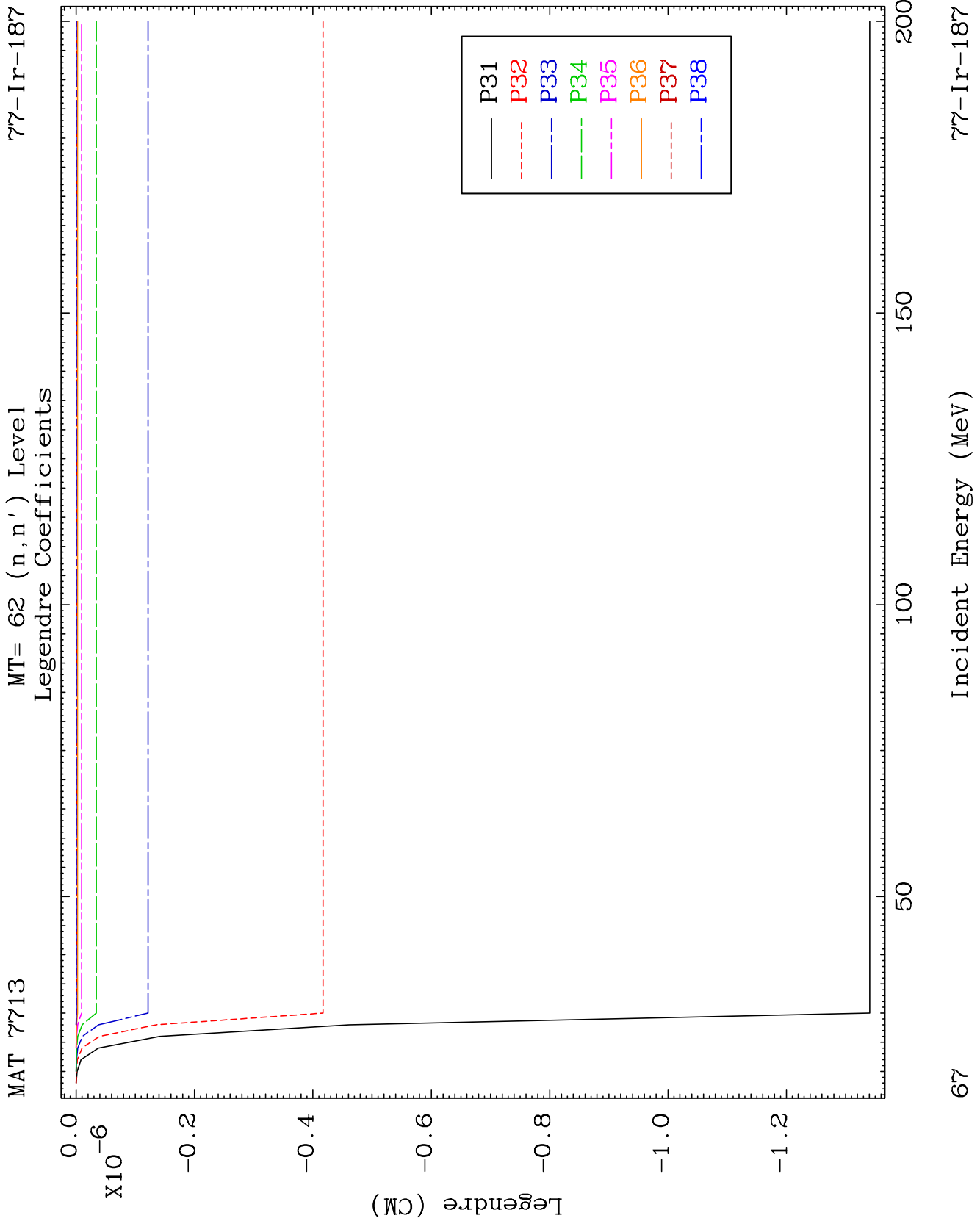
77-Ir-187



66

Incident Energy (MeV)

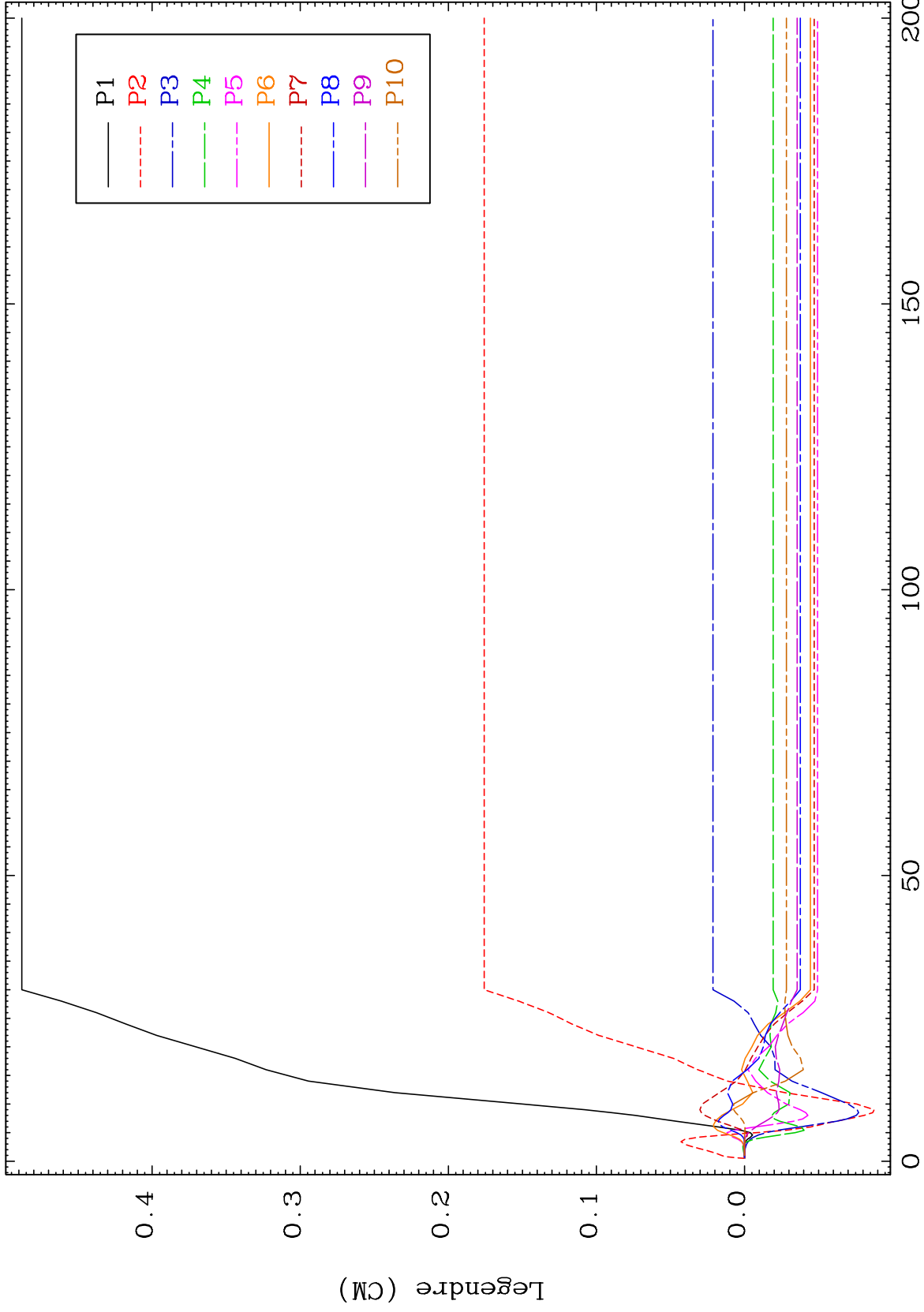
77-Ir-187



MAT 7713

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

77-Ir-187



68

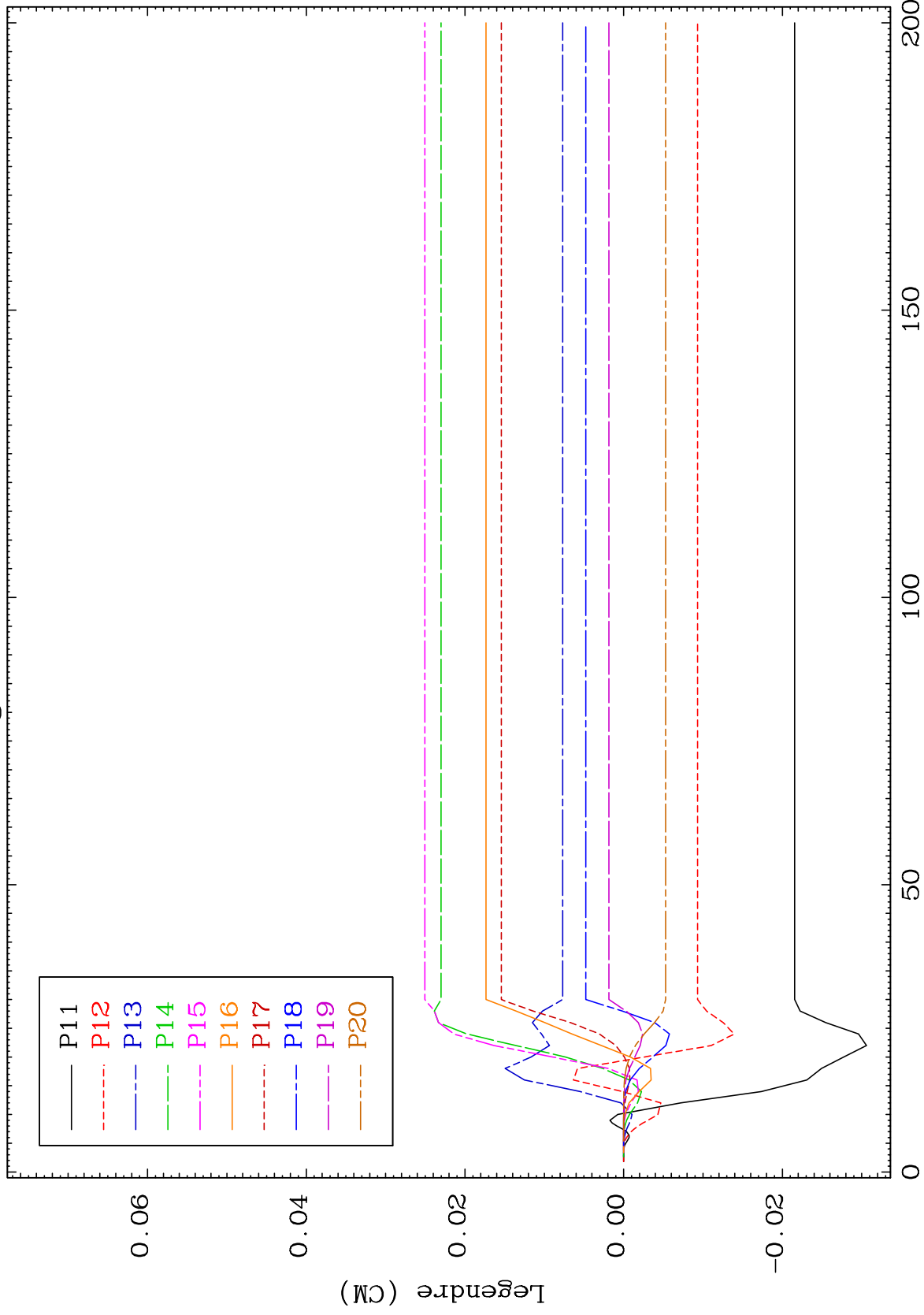
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



69

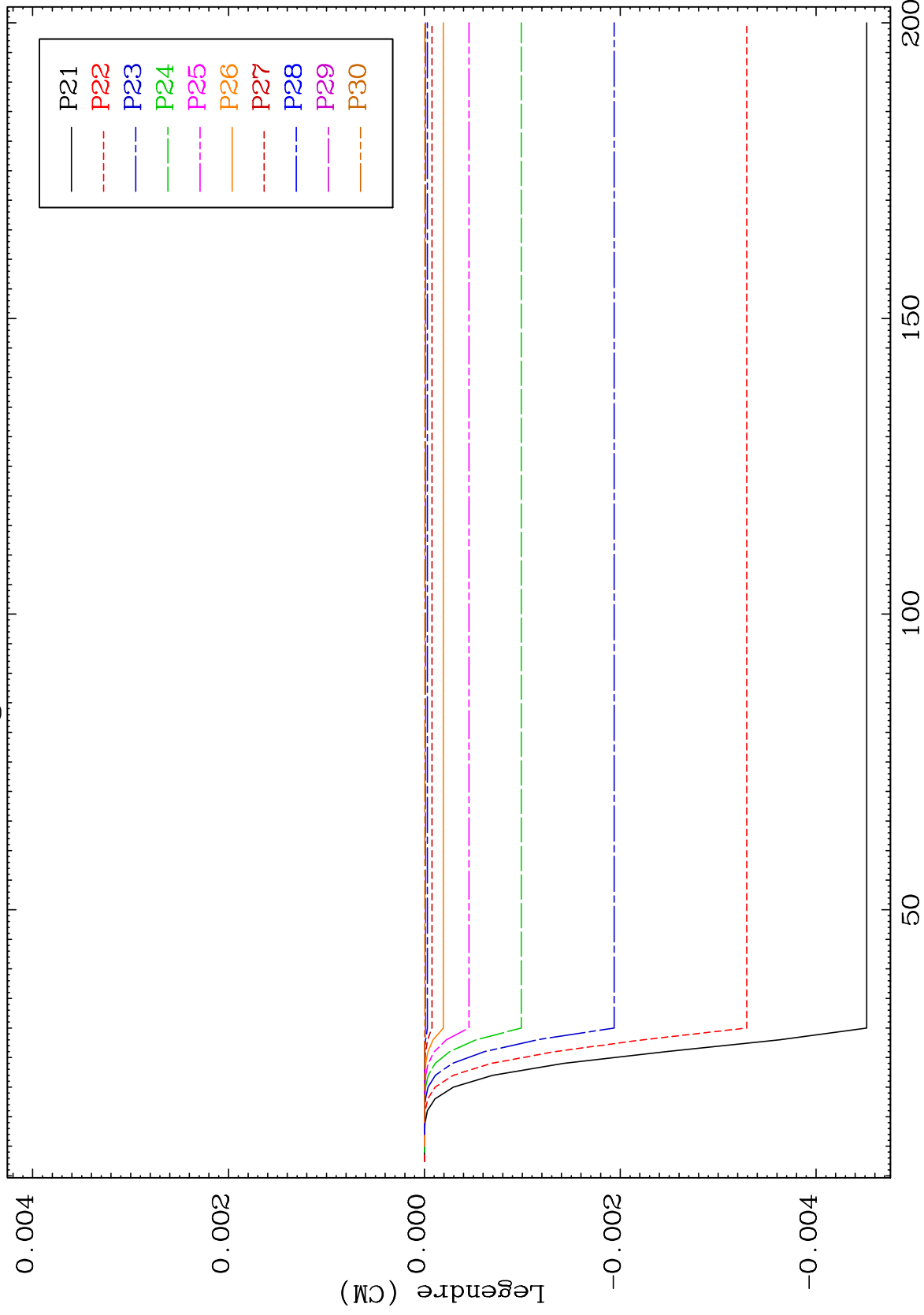
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

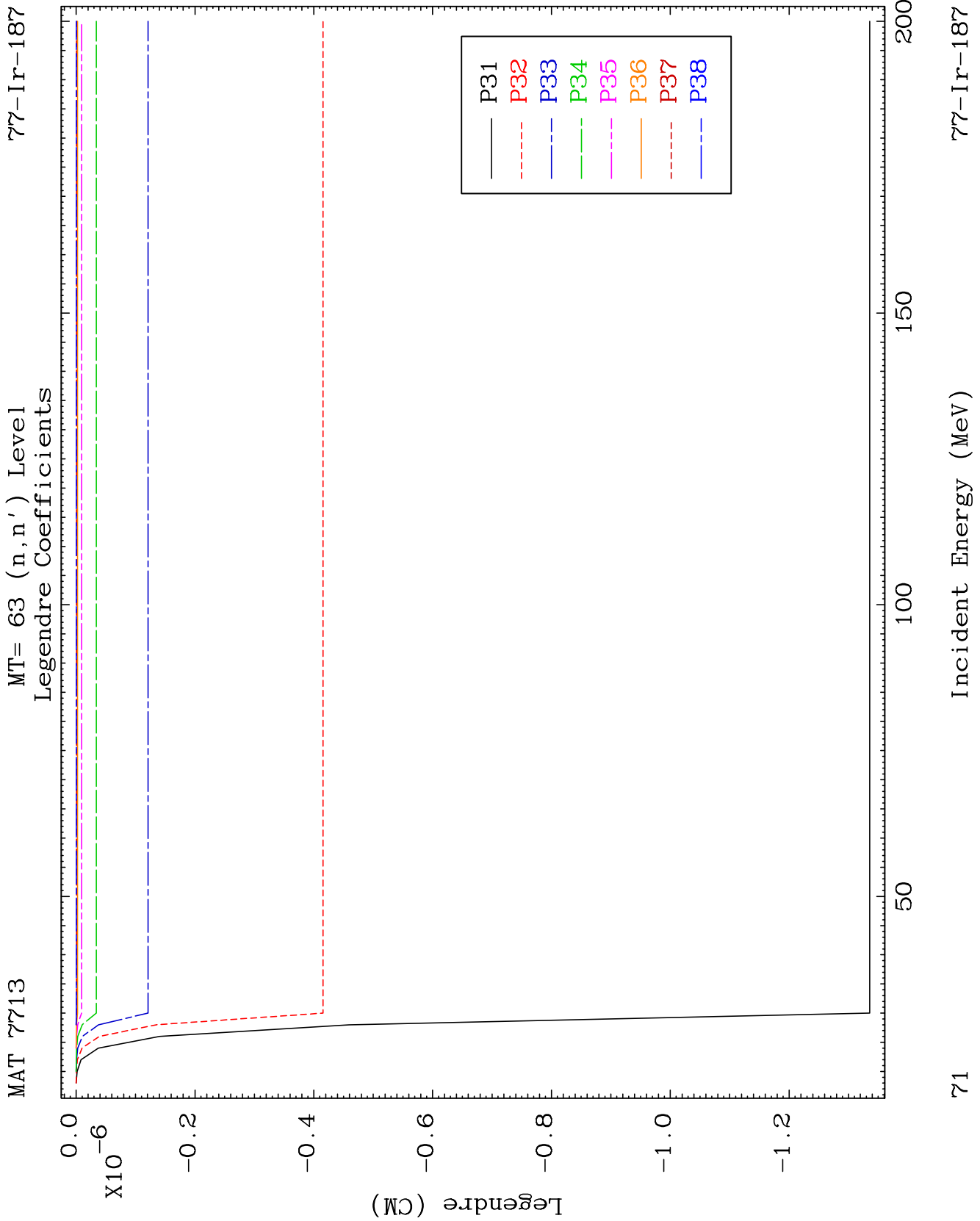
77-Ir-187



70

Incident Energy (MeV)

77-Ir-187

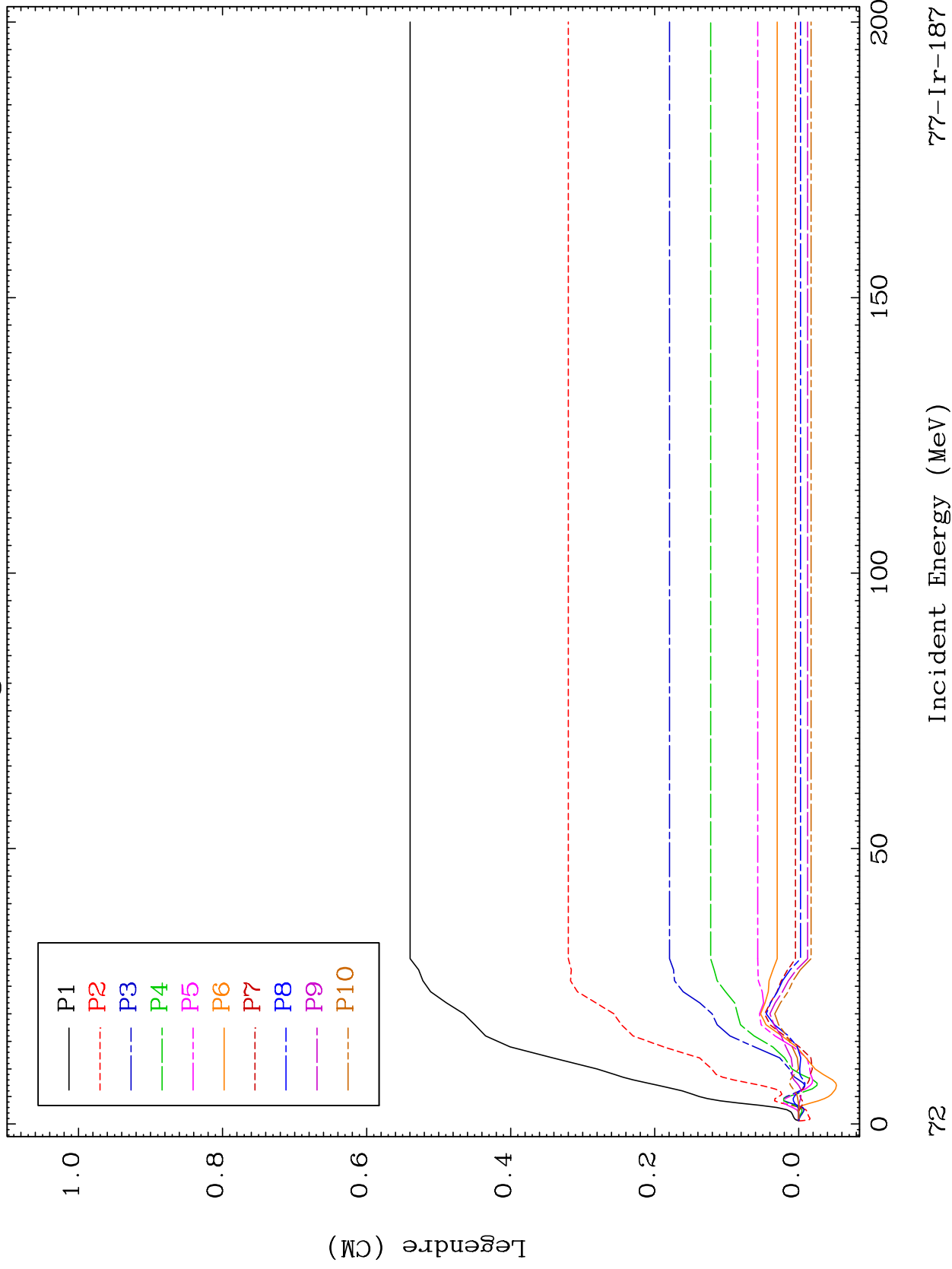




MAT 7713

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

77-Ir-187

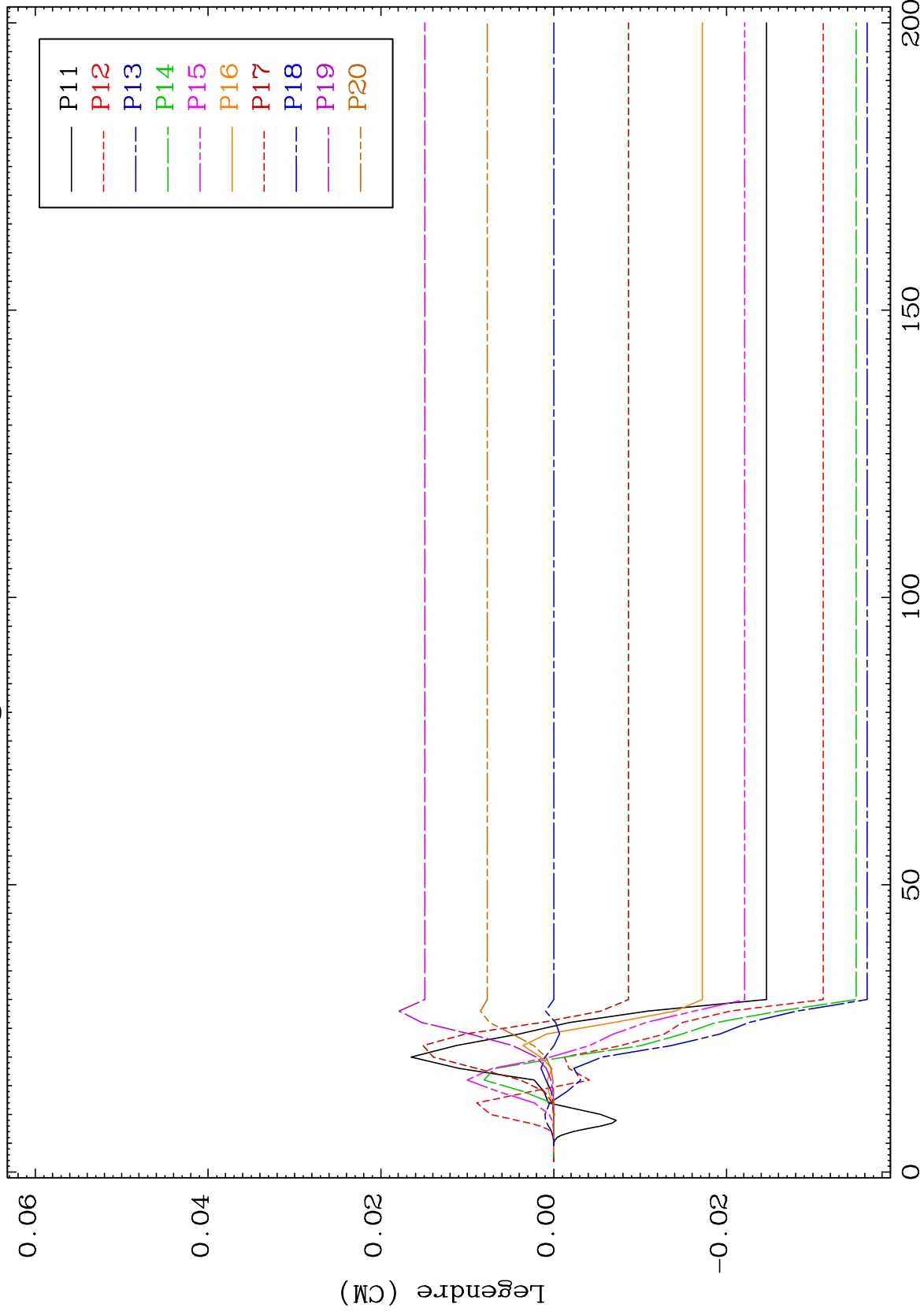


72

MAT 7713

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

77-Ir-187



73

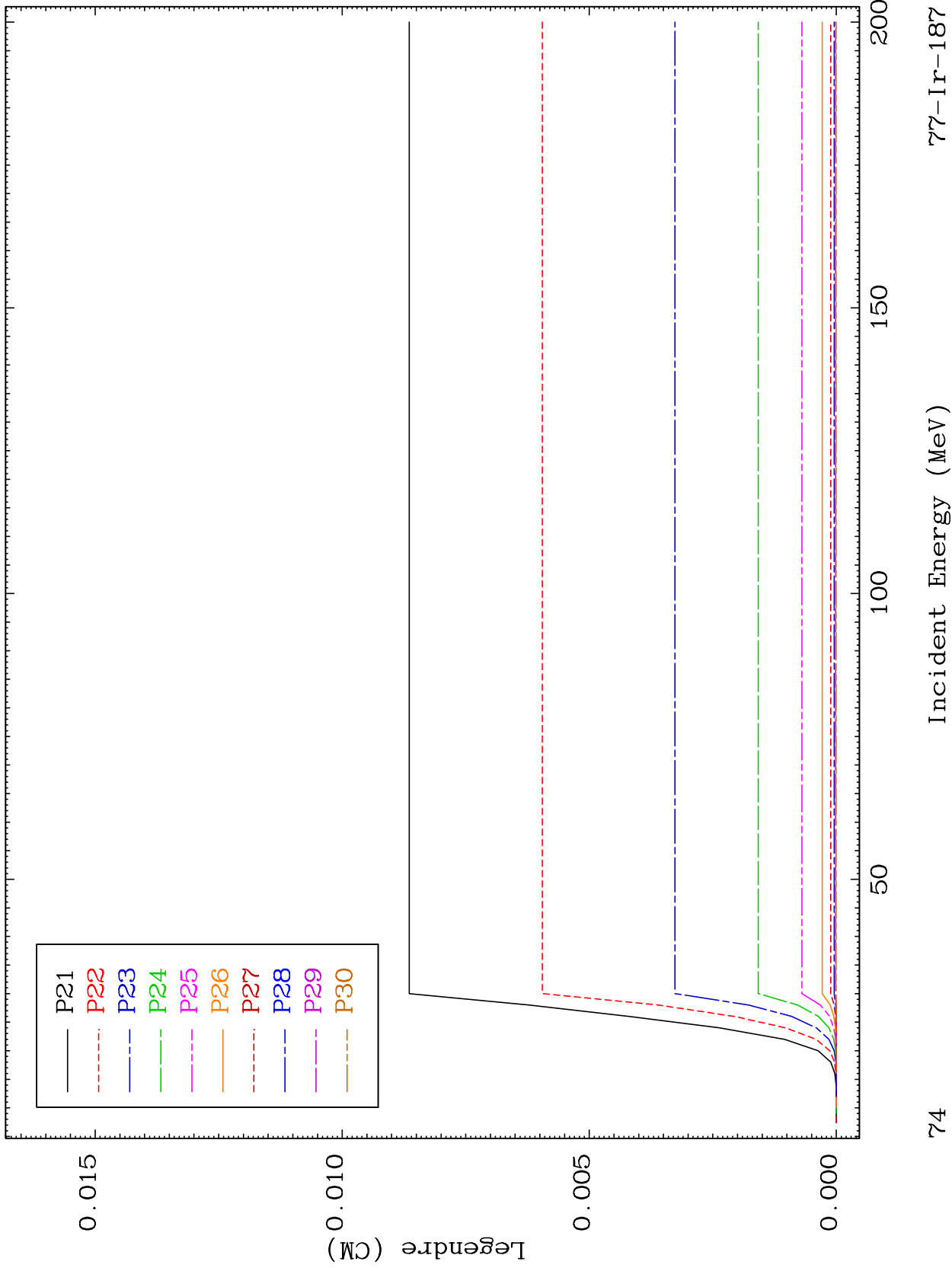
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



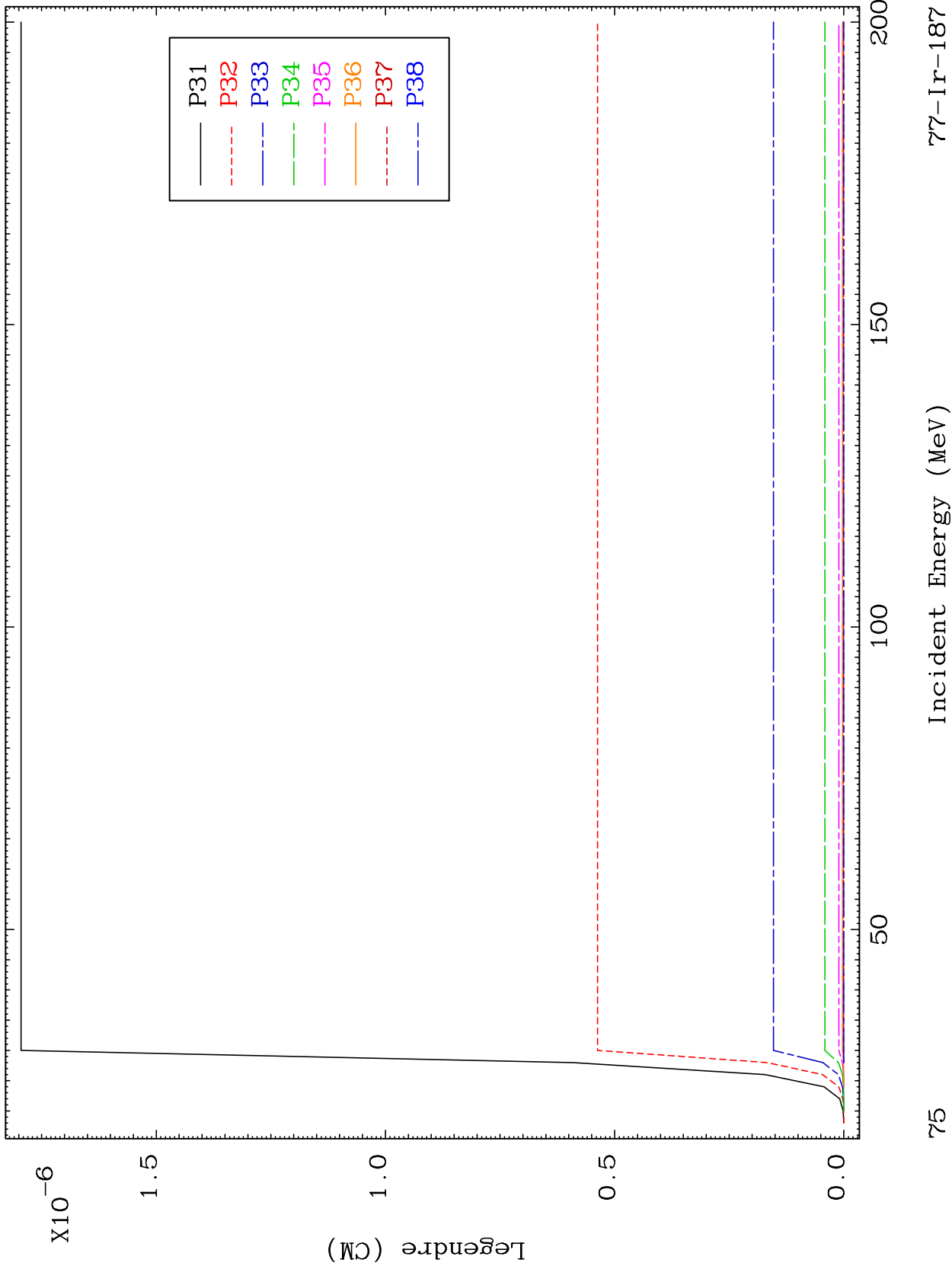
74

77-Ir-187

MAT 7713

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

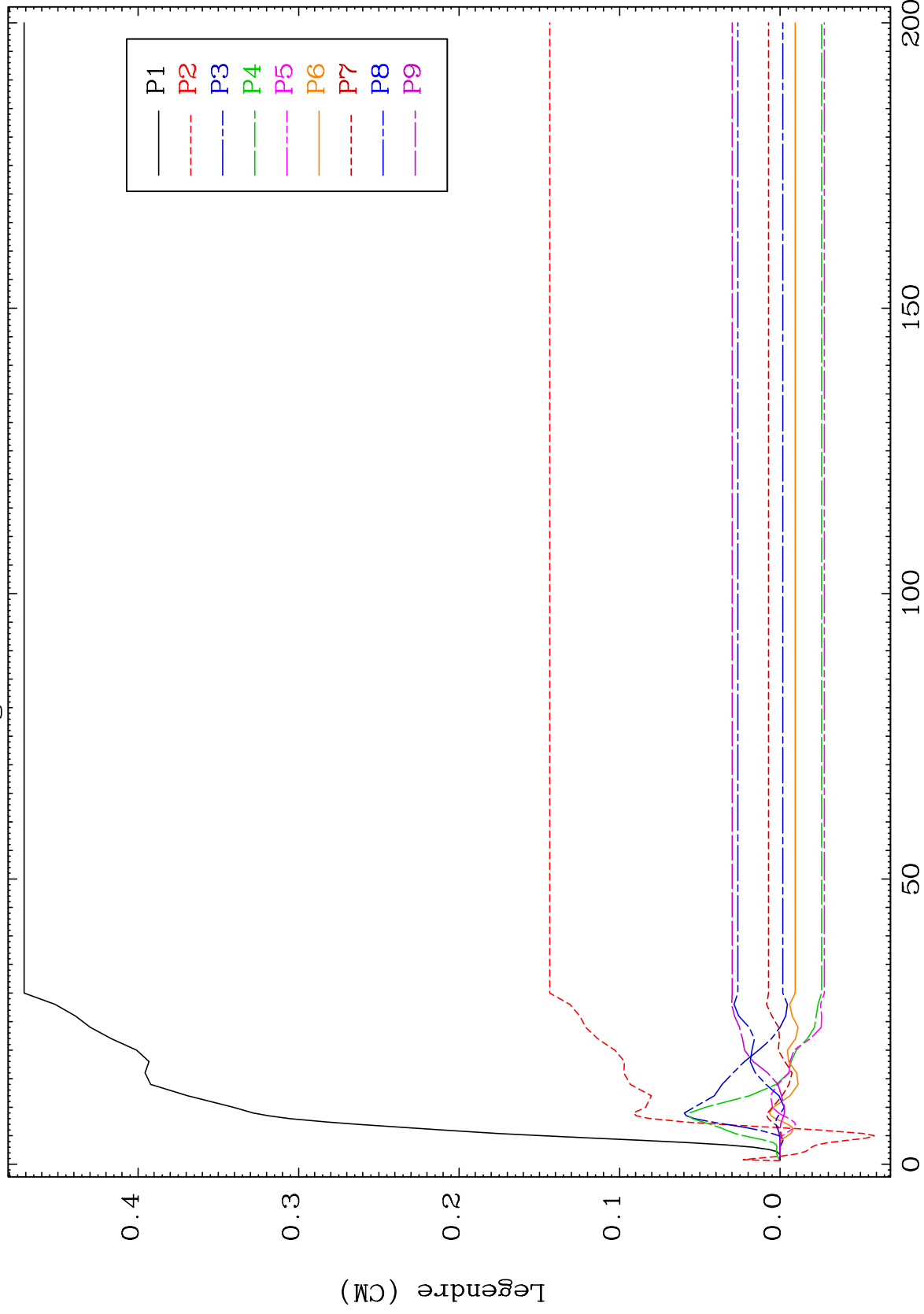
77-Ir-187



MAT 7713

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

77-Ir-187



76

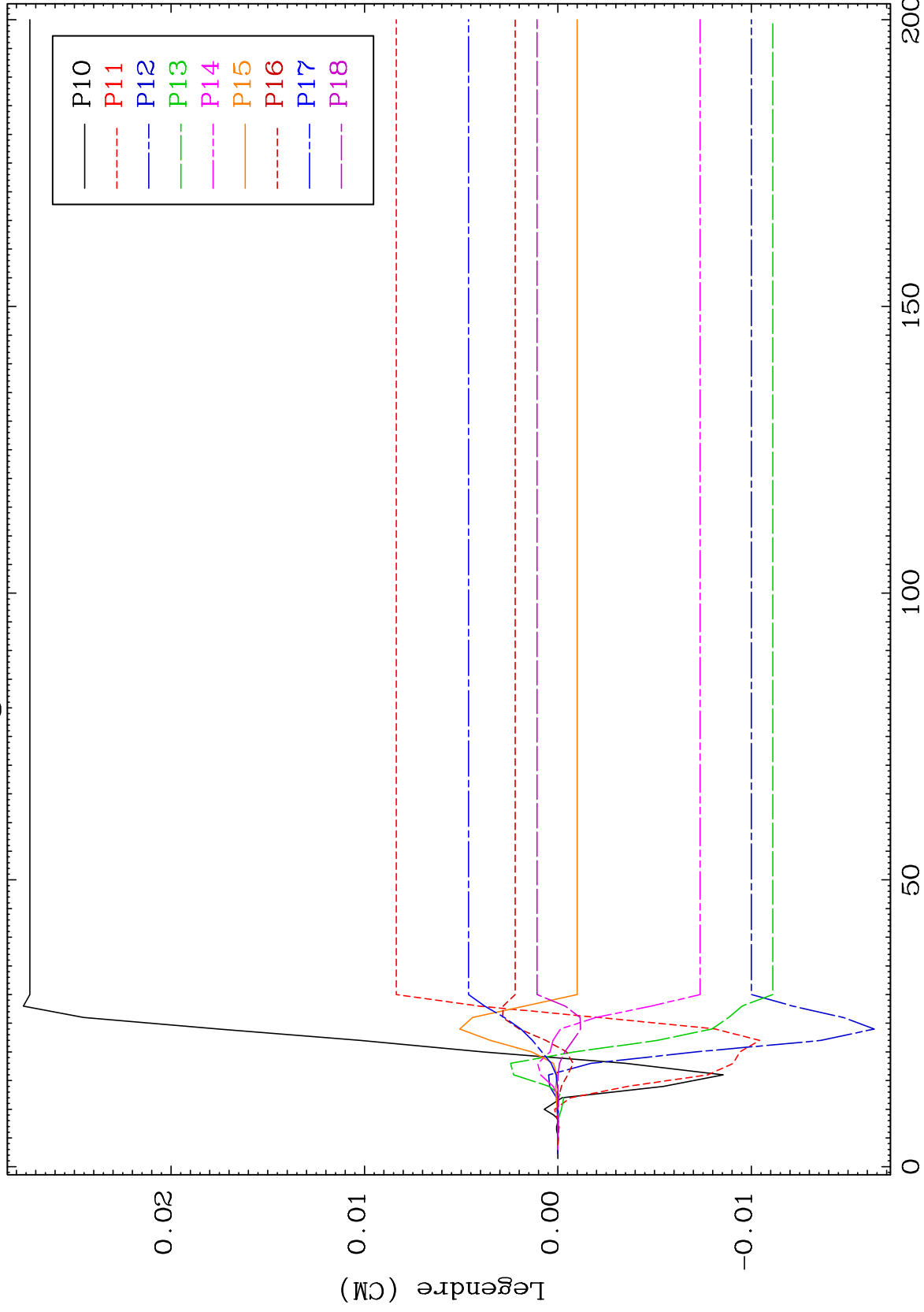
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



77

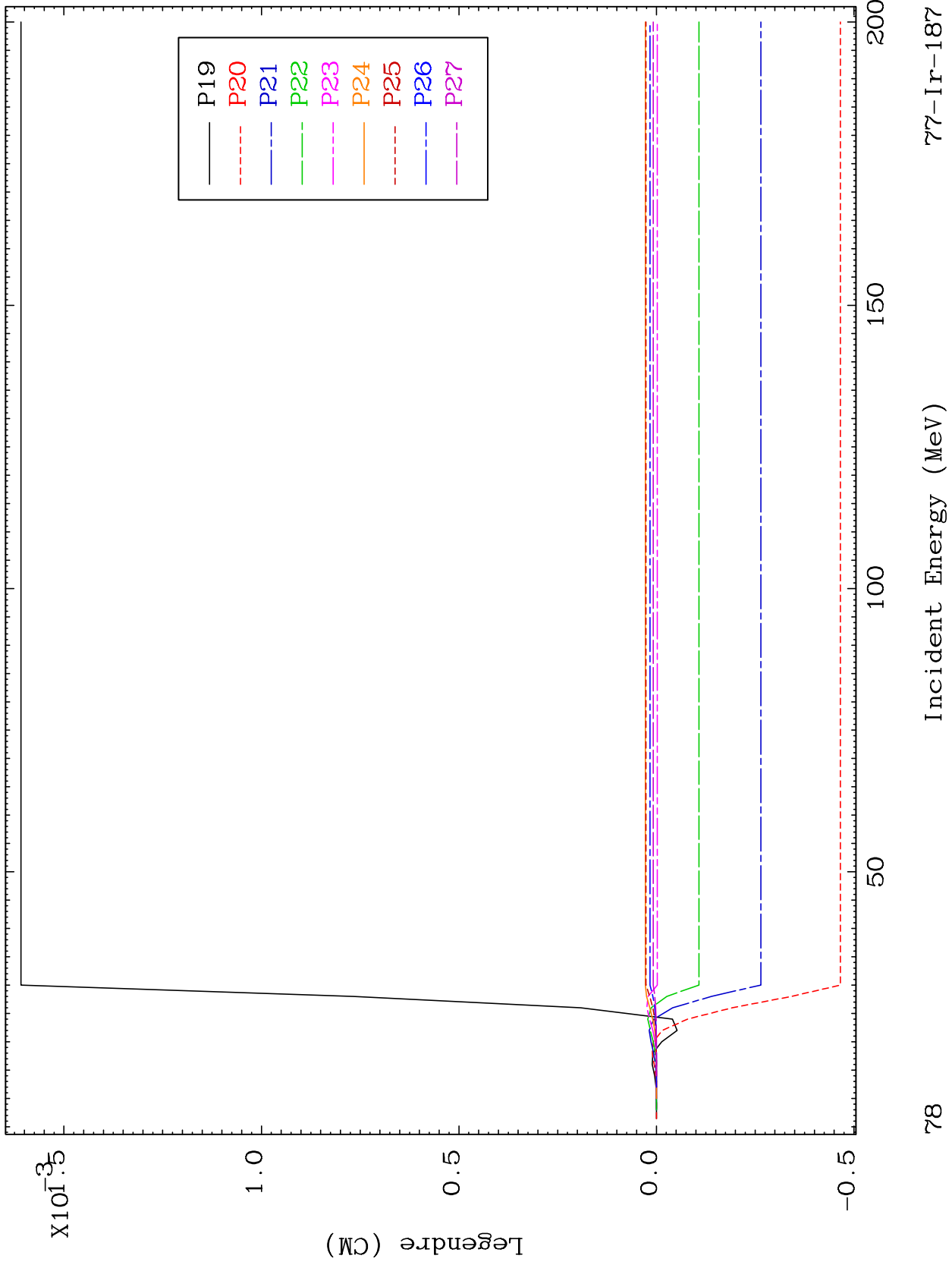
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

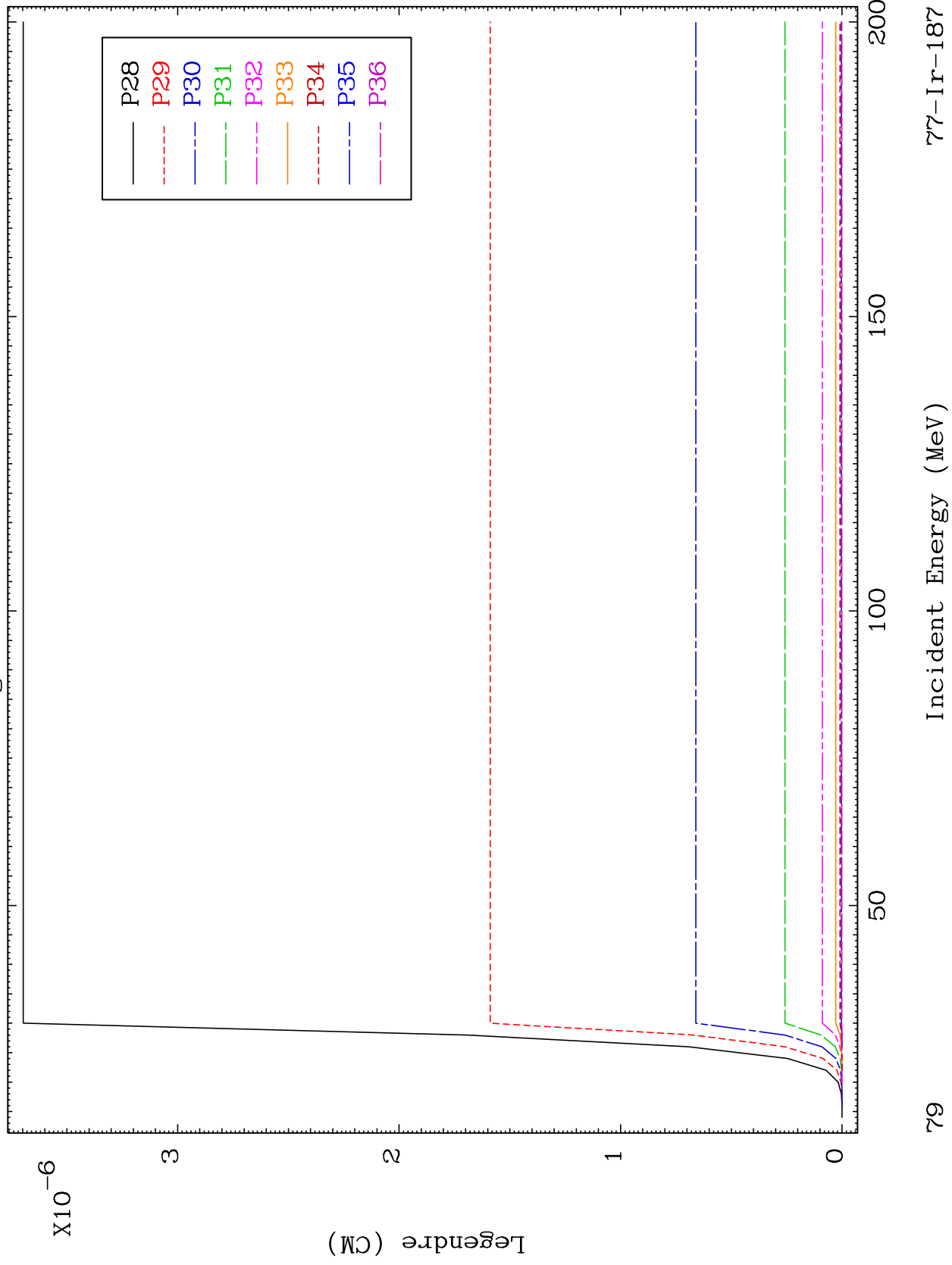
77-Ir-187



MAT 7713

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

77-Ir-187



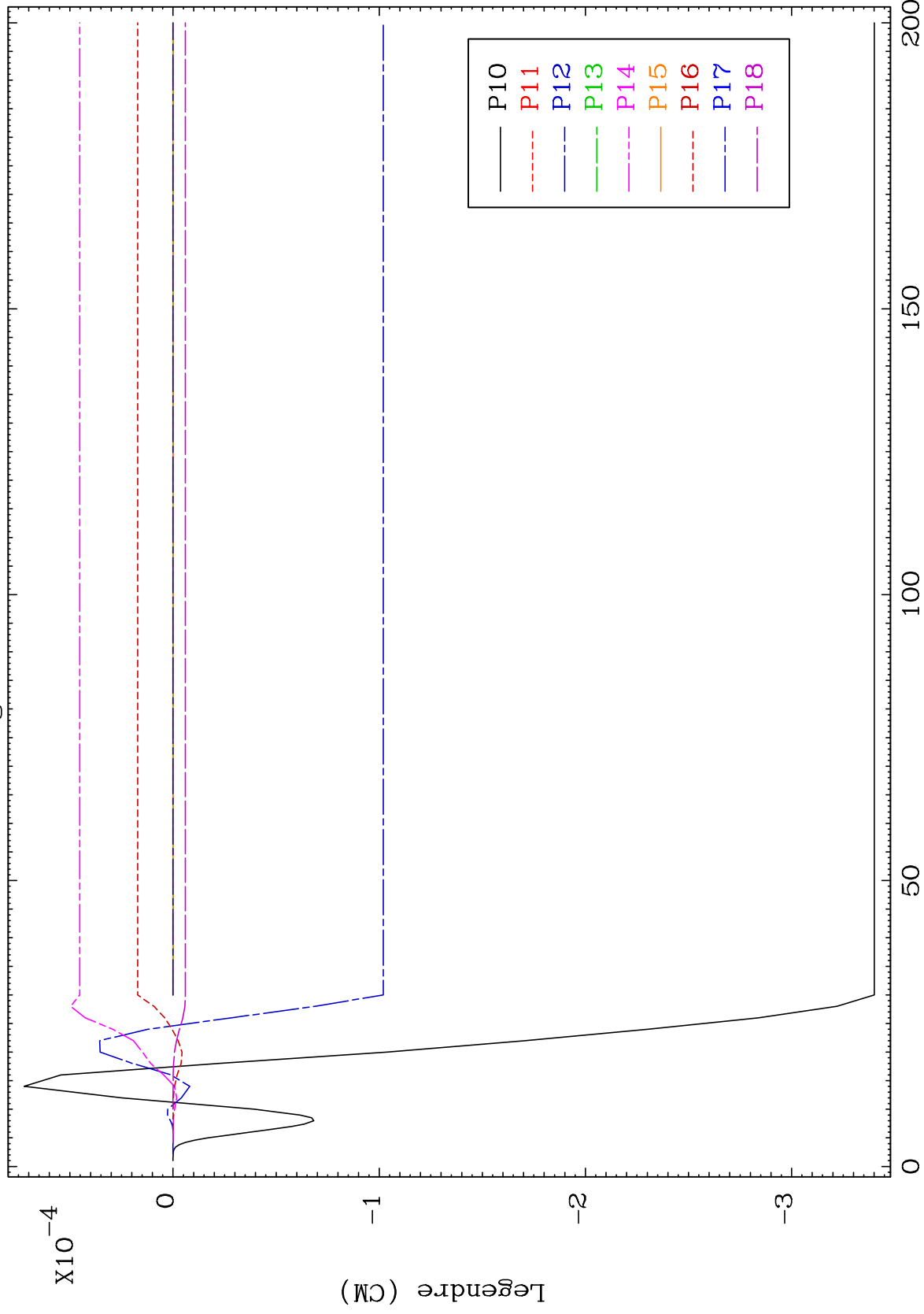




MAT 7713

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

77-Ir-187



81

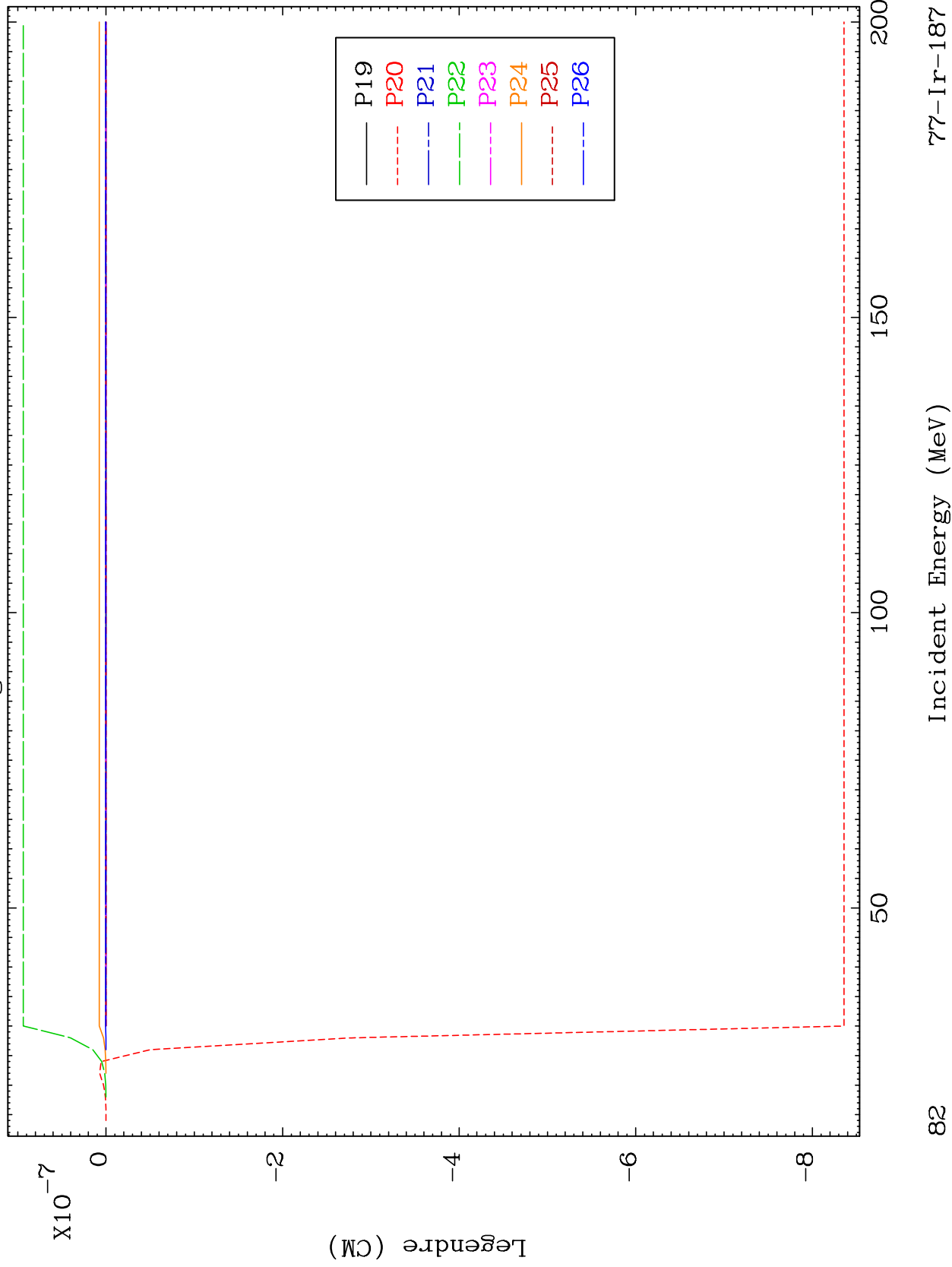
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



82

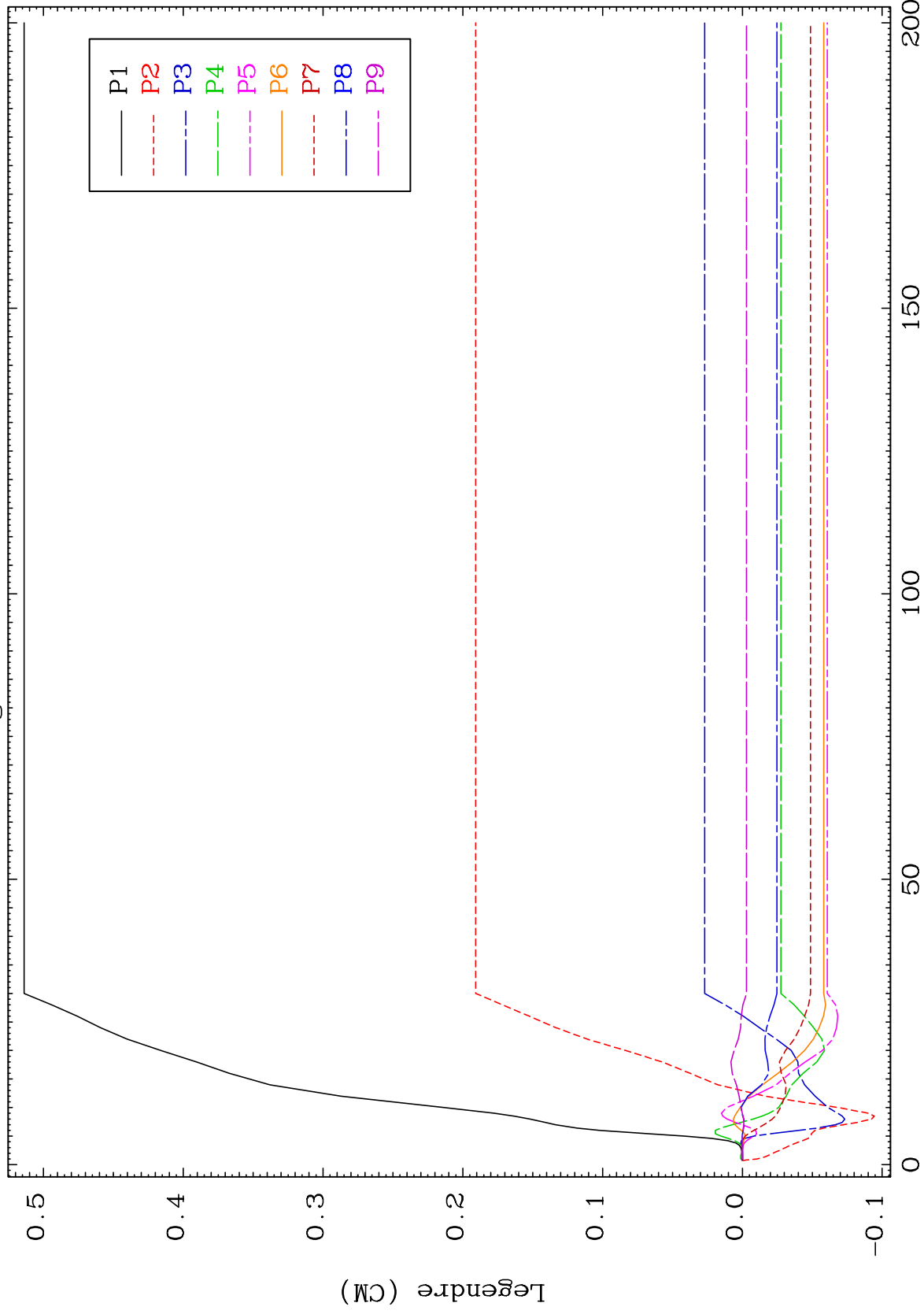
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



83

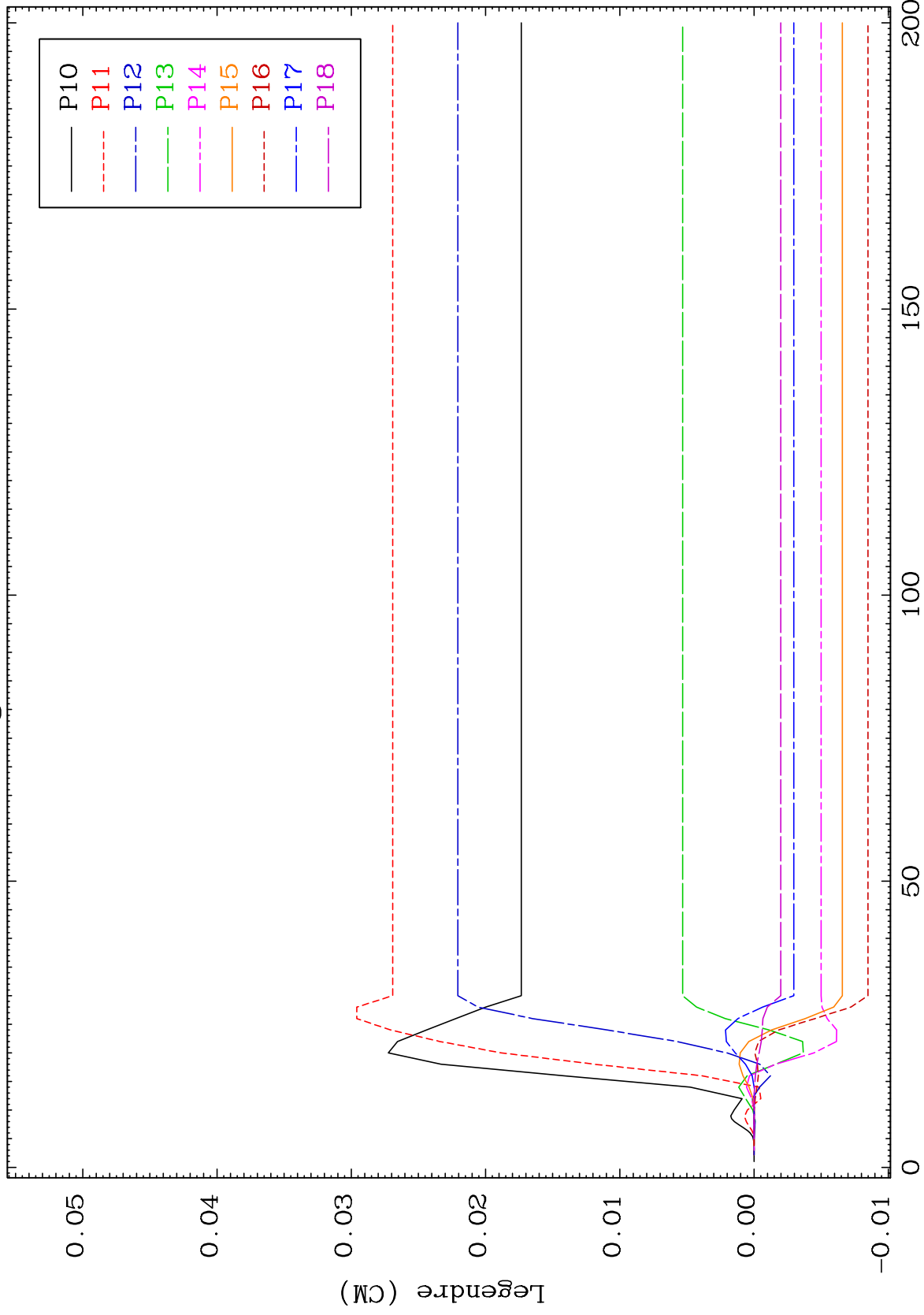
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

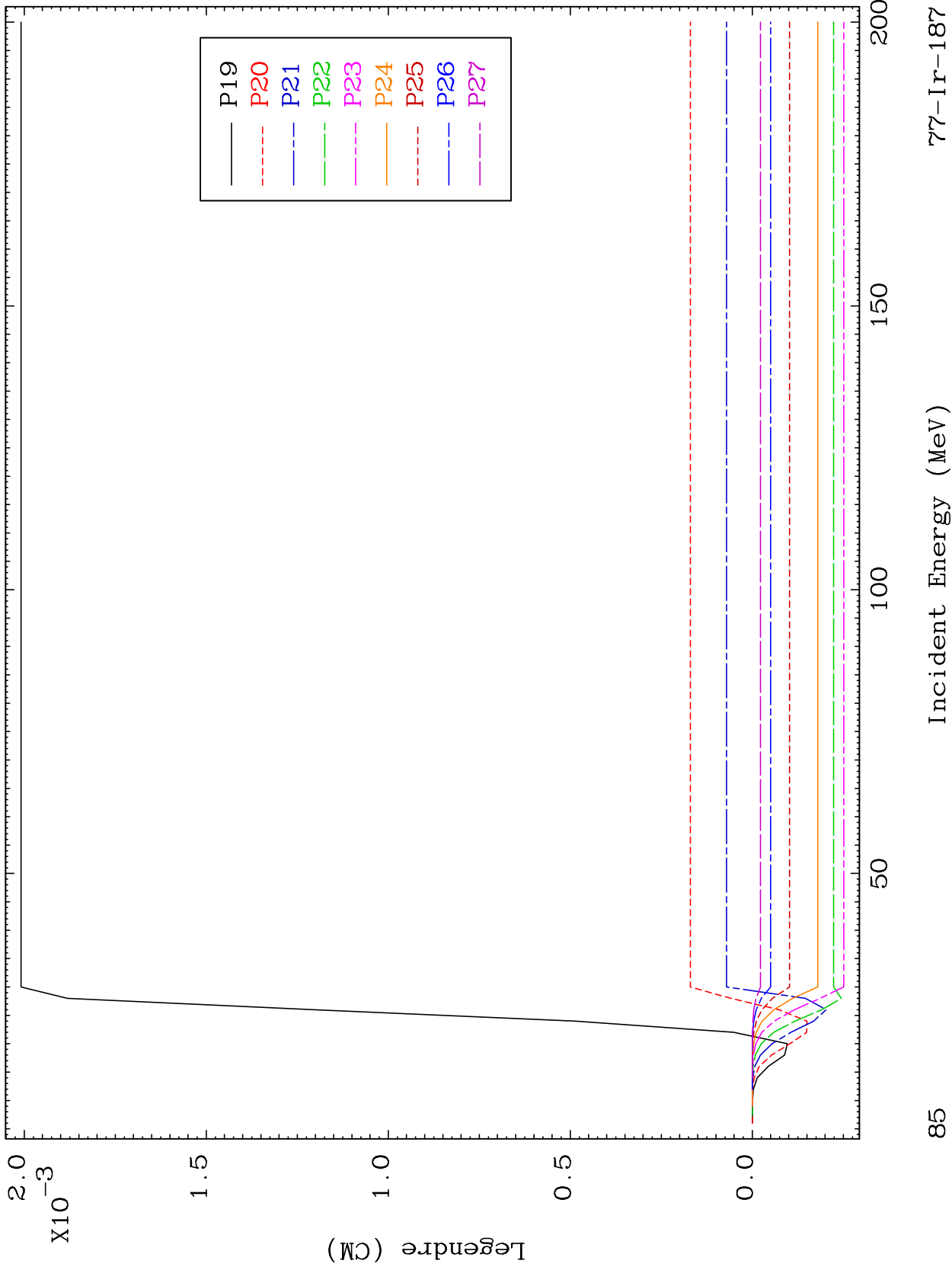
77-Ir-187

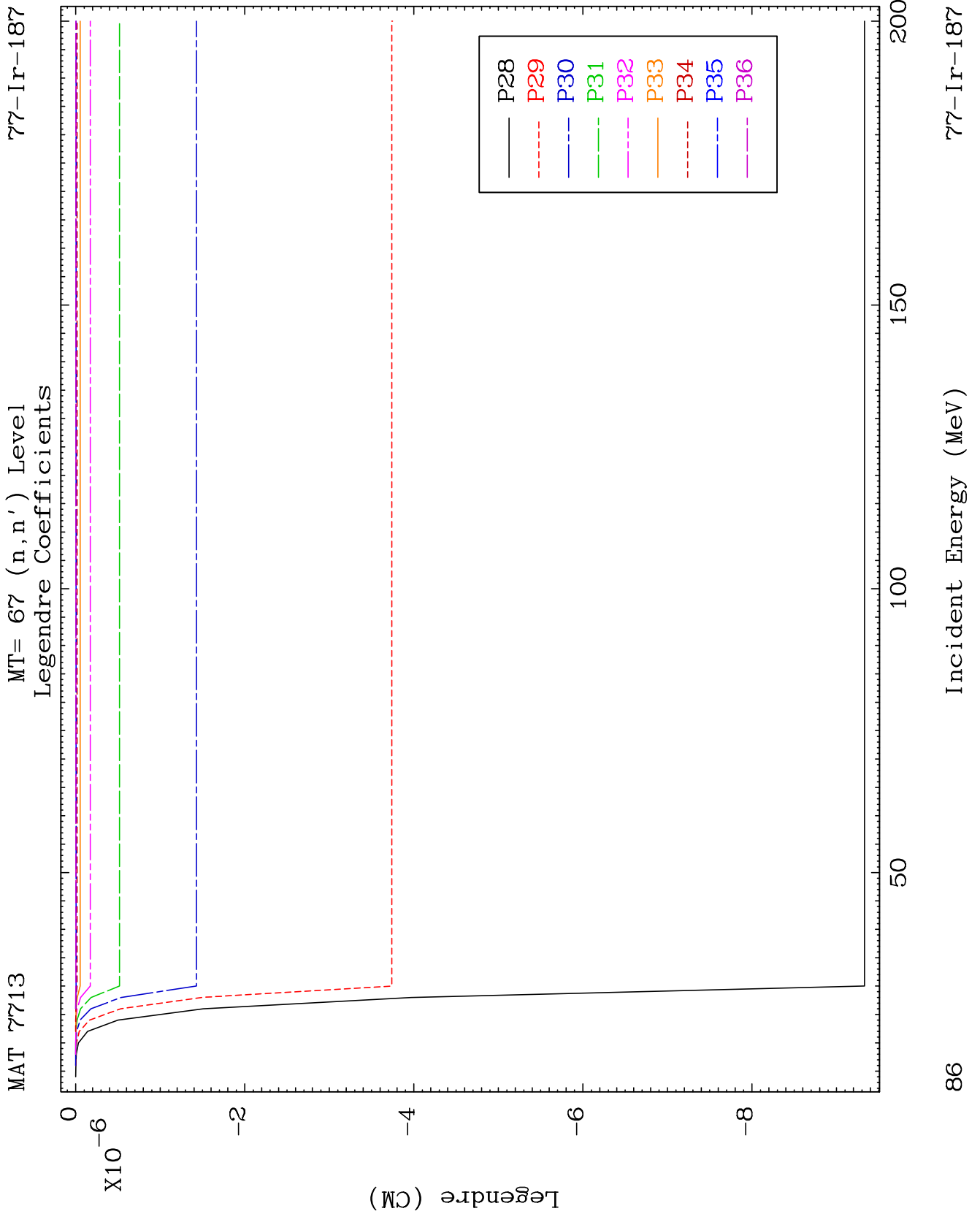


84

Incident Energy (MeV)

77-Ir-187

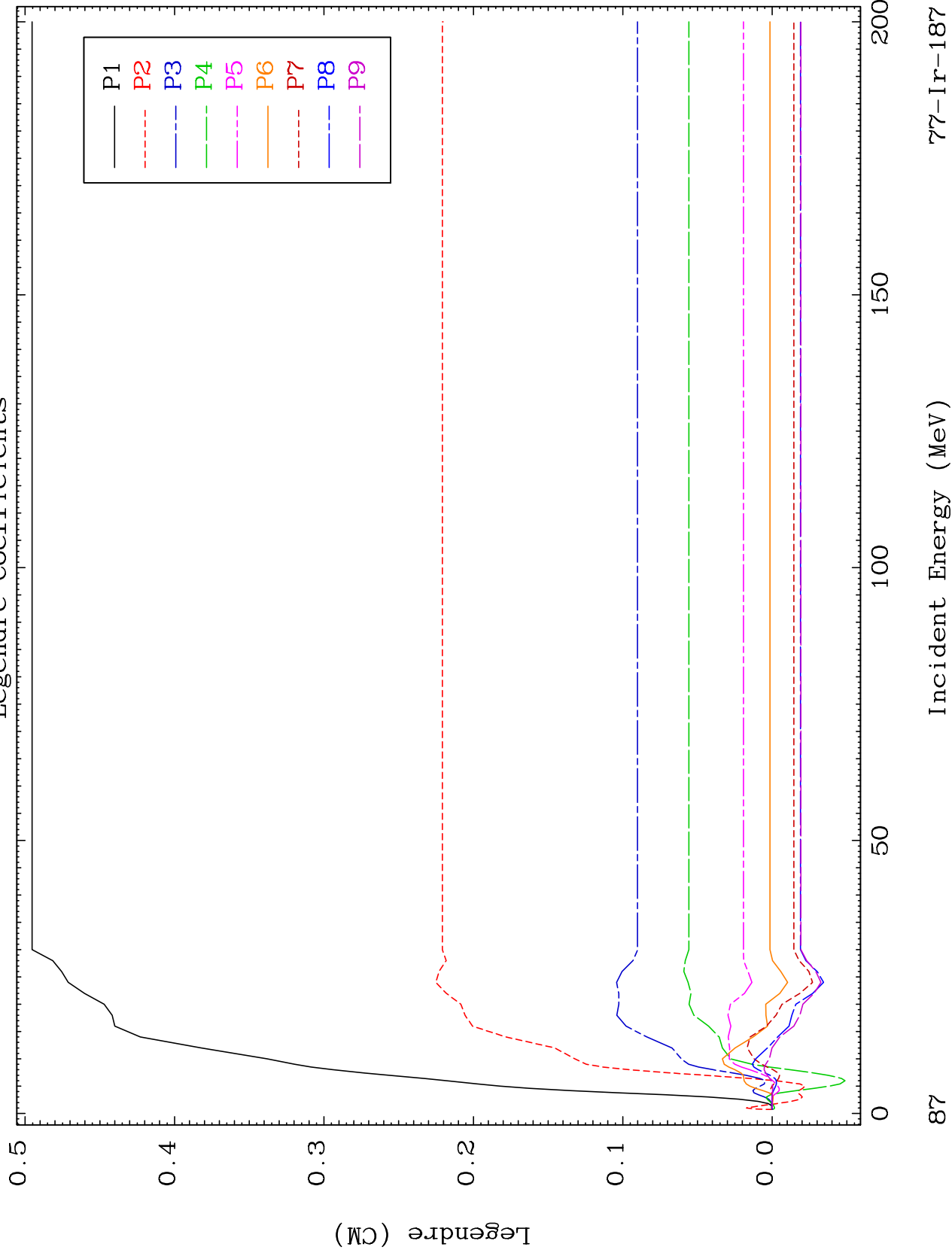




MAT 7713

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

77-Ir-187



77-Ir-187

Incident Energy (MeV)

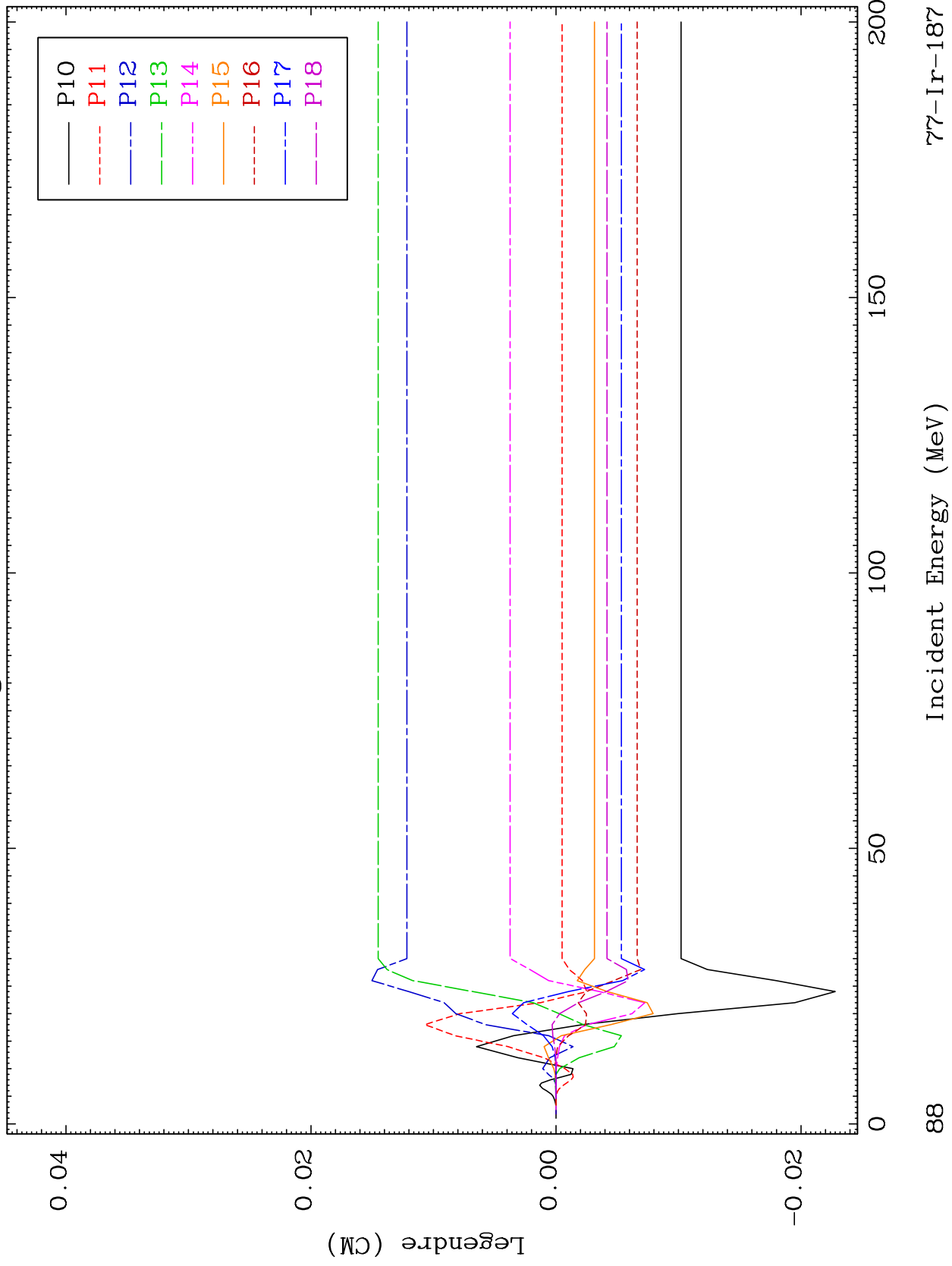
87

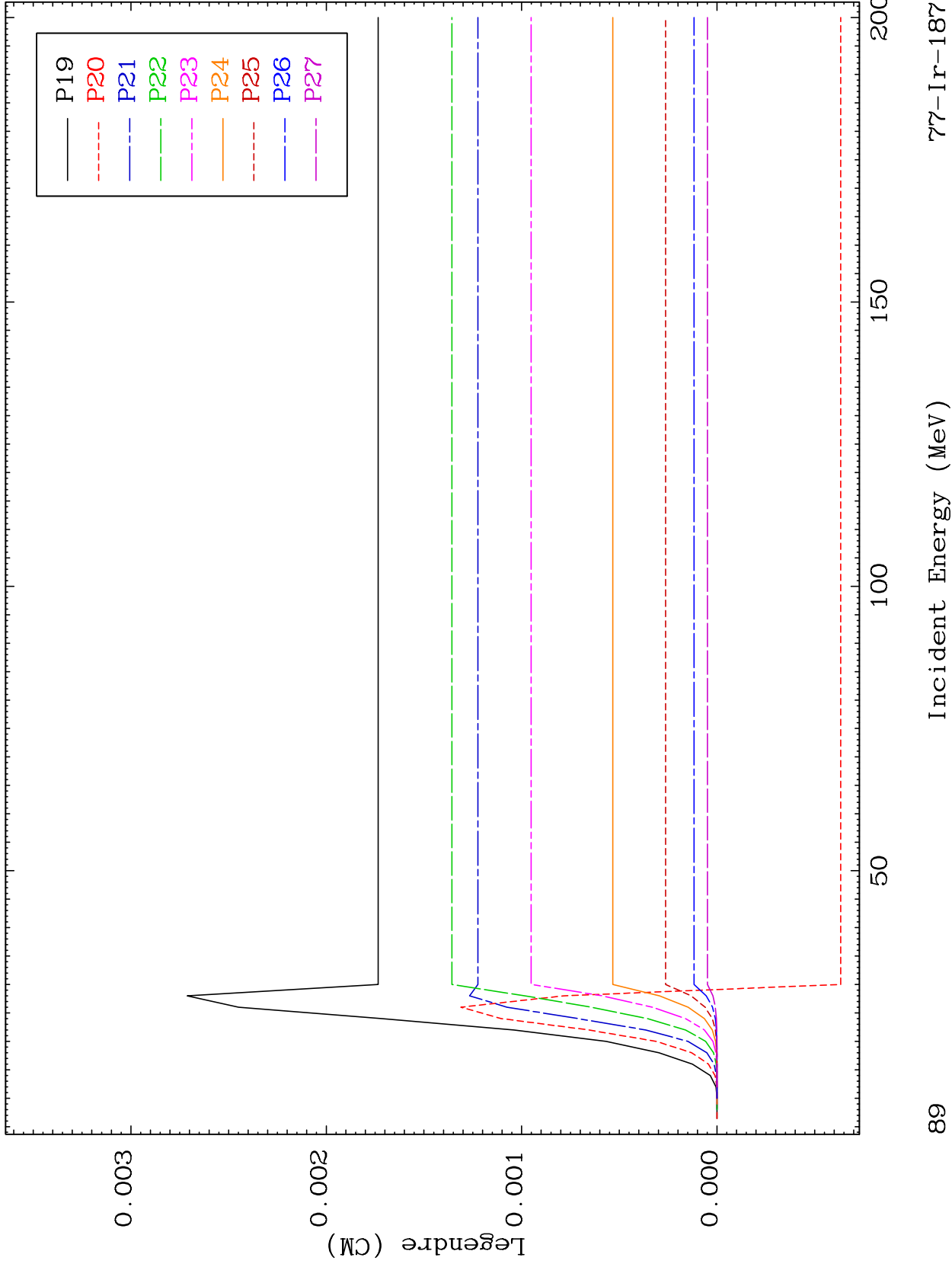


MAT 7713

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

77-Ir-187

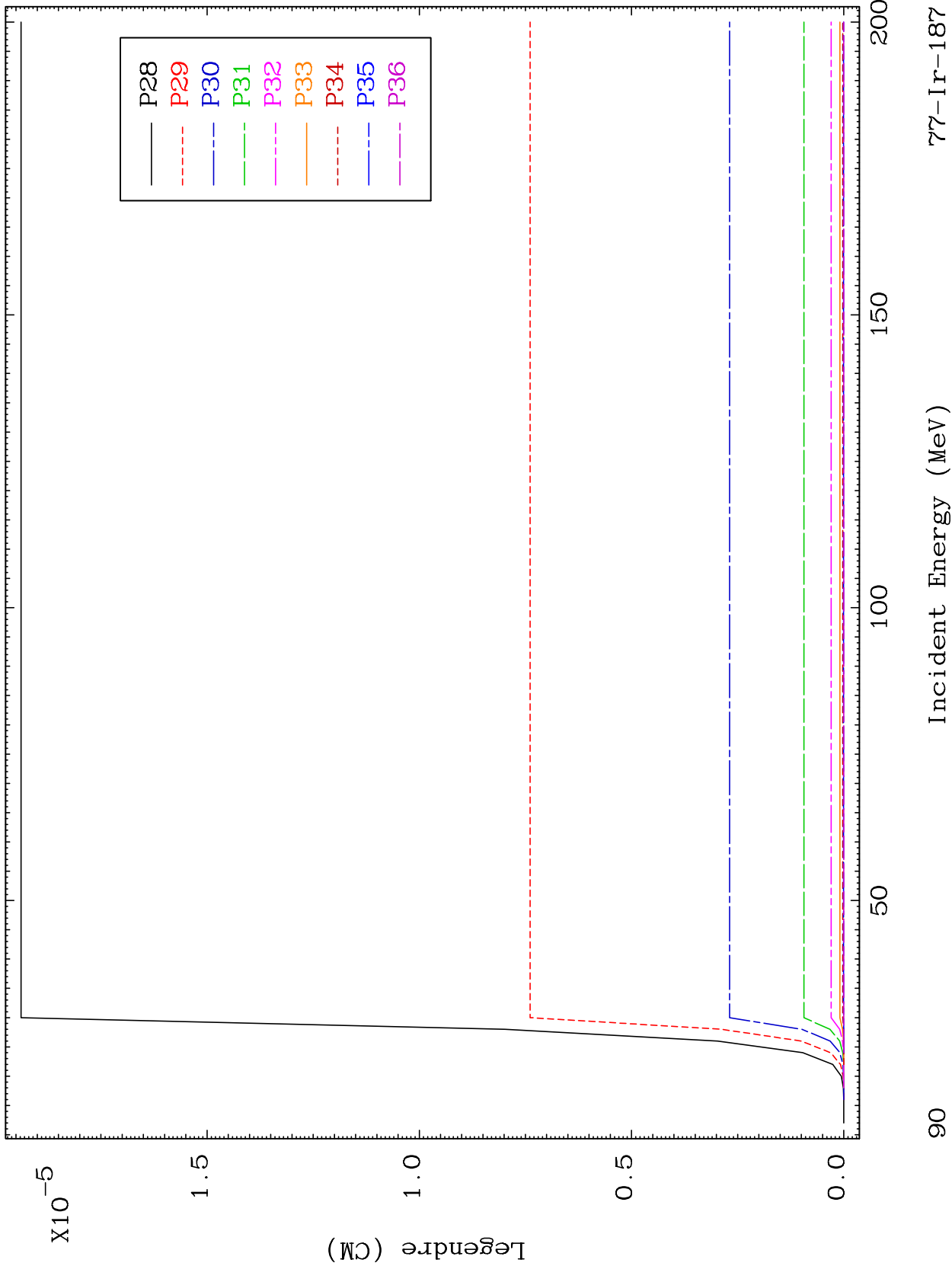




MAT 7713

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

77-Ir-187

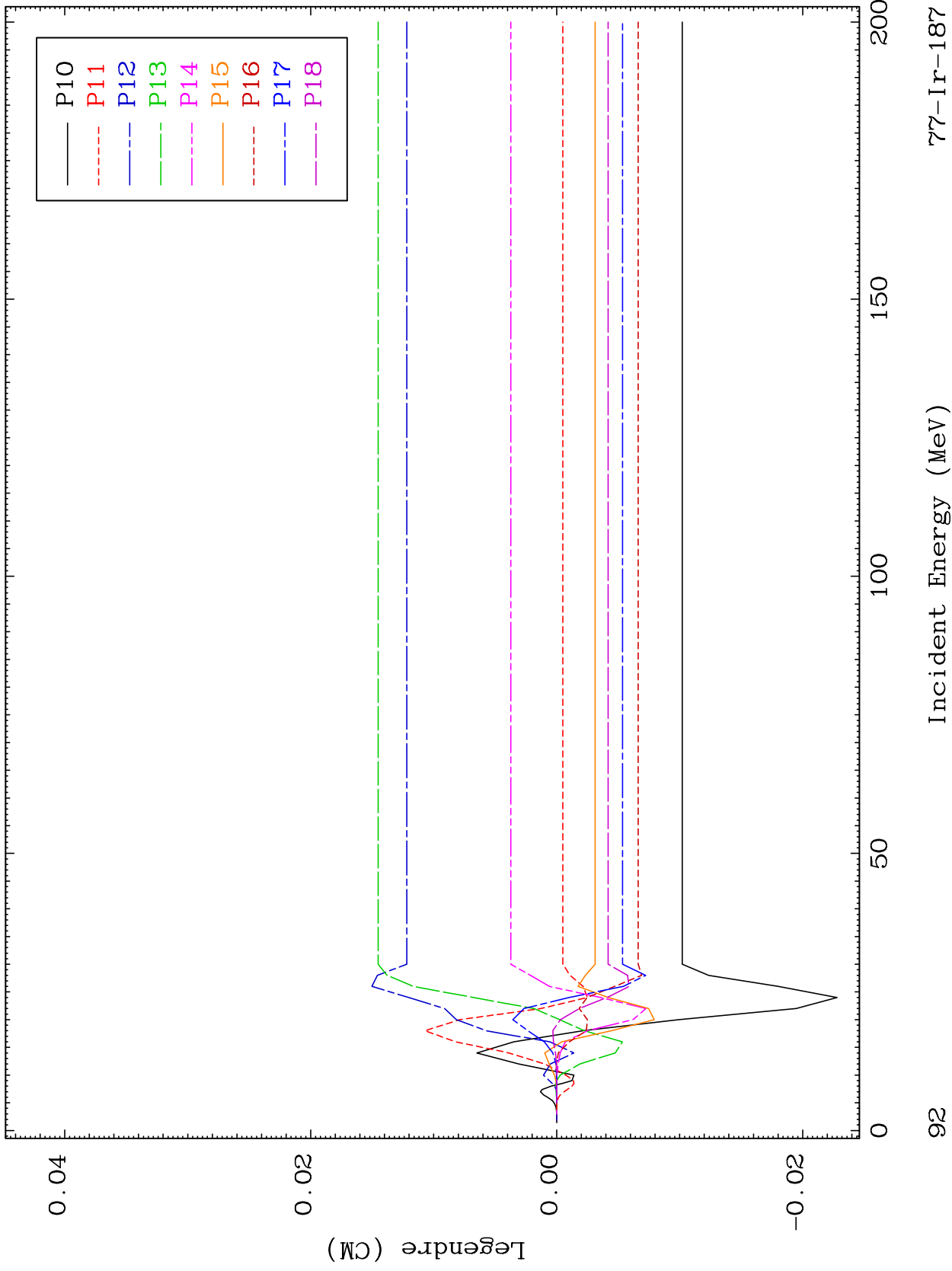




MAT 7713

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

77-Ir-187



77-Ir-187

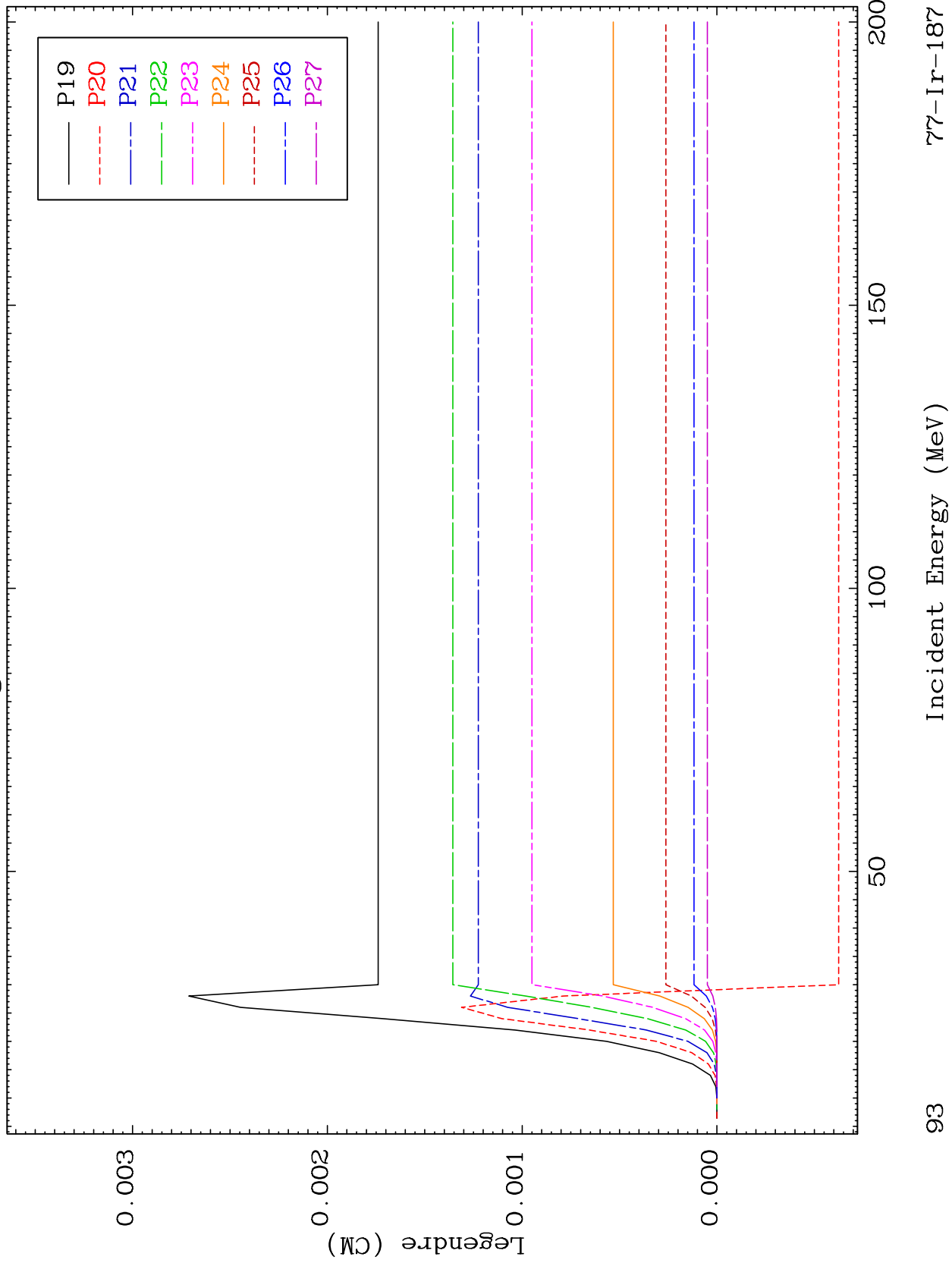
Incident Energy (MeV)

92

MAT 7713

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

77-Ir-187



93

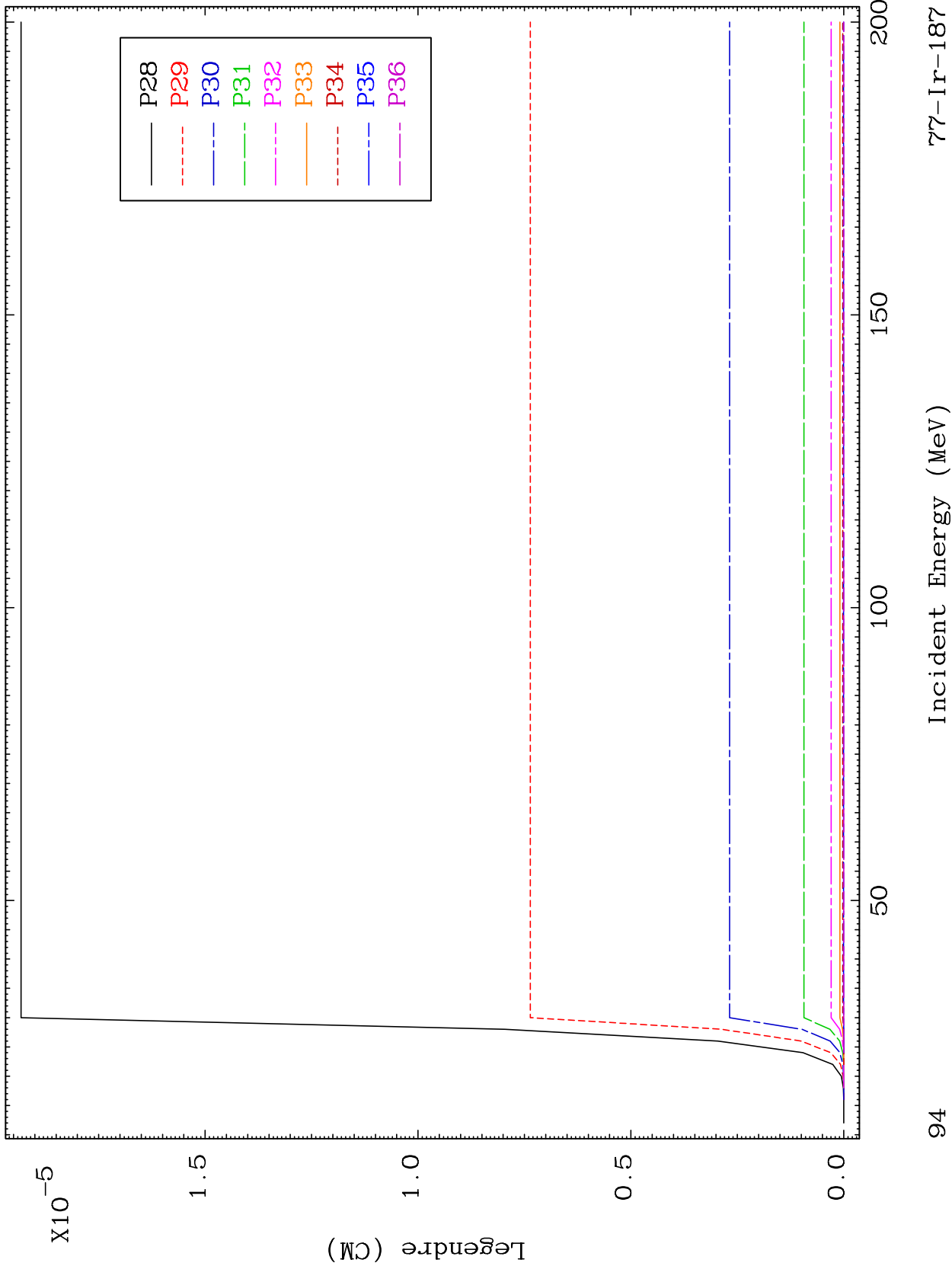
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



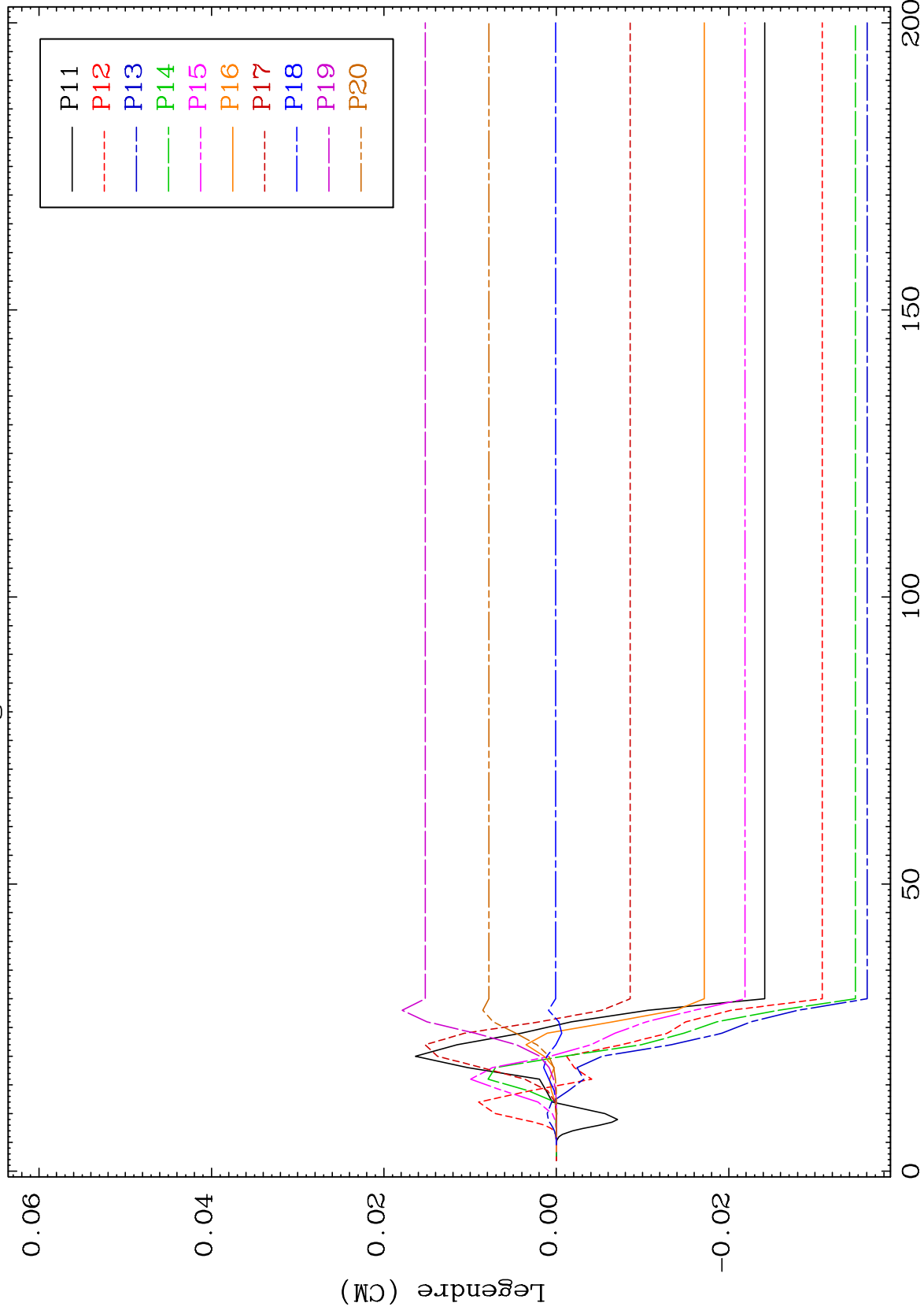




MAT 7713

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

77-Ir-187



96

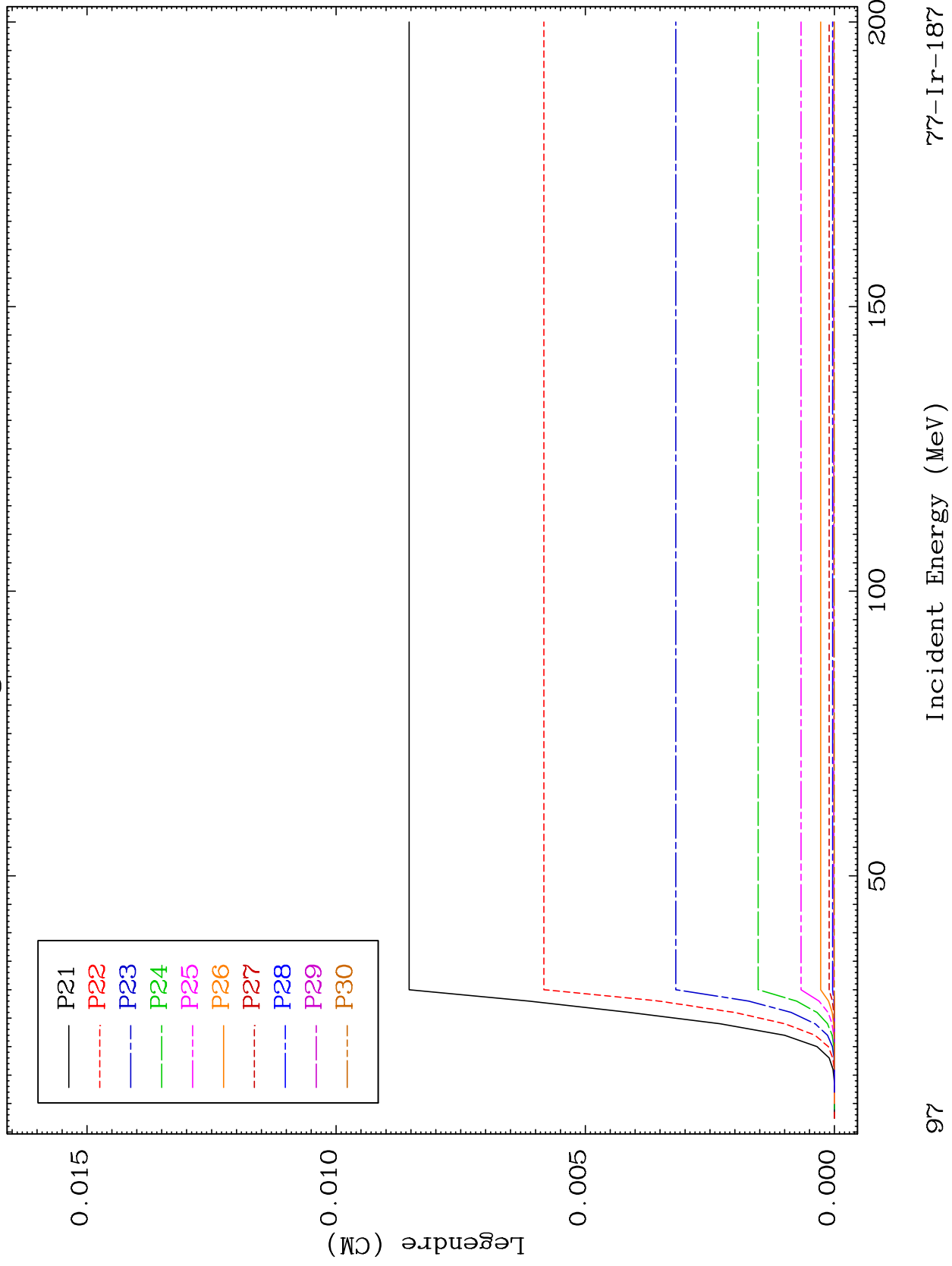
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



97

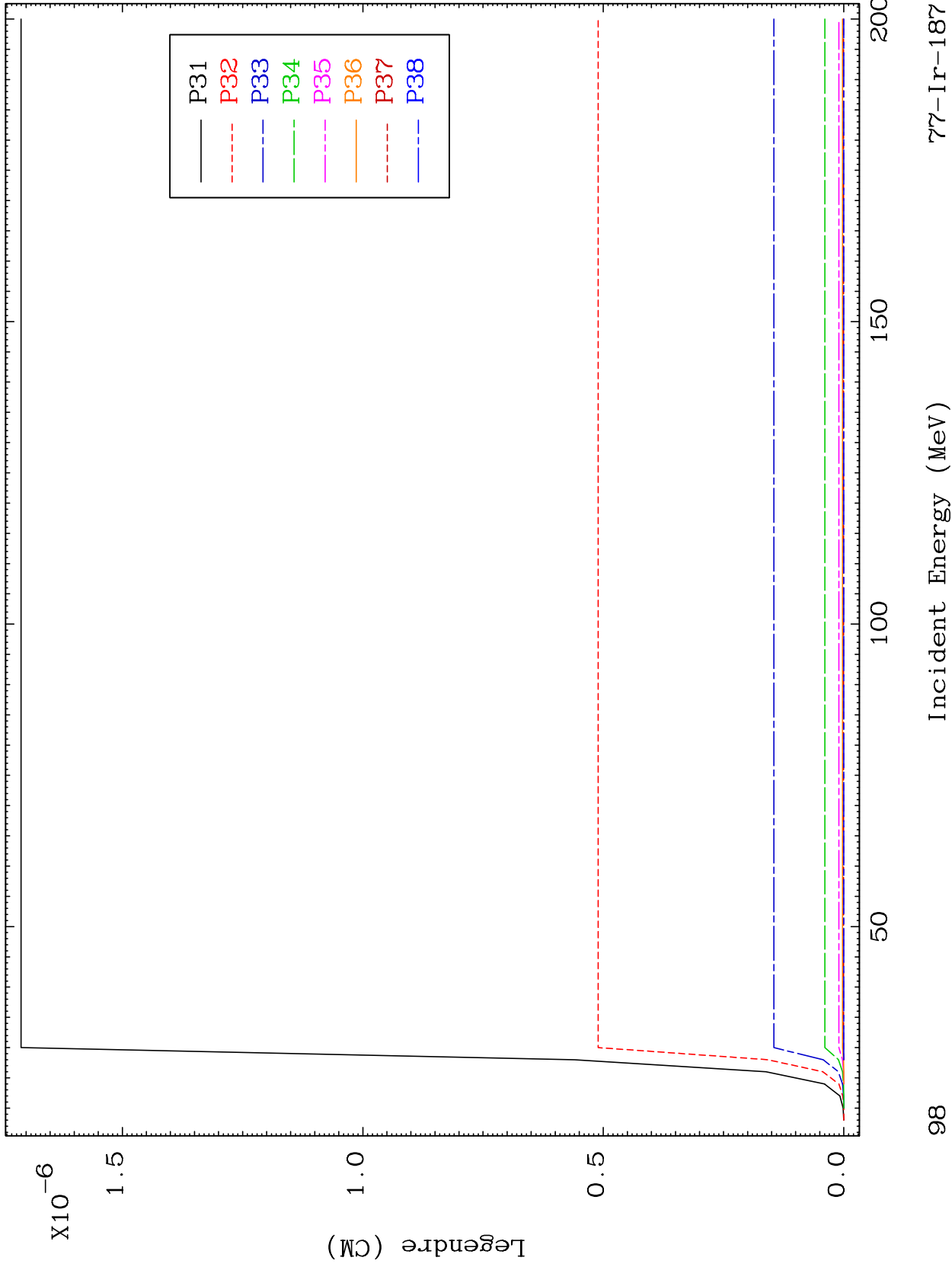
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

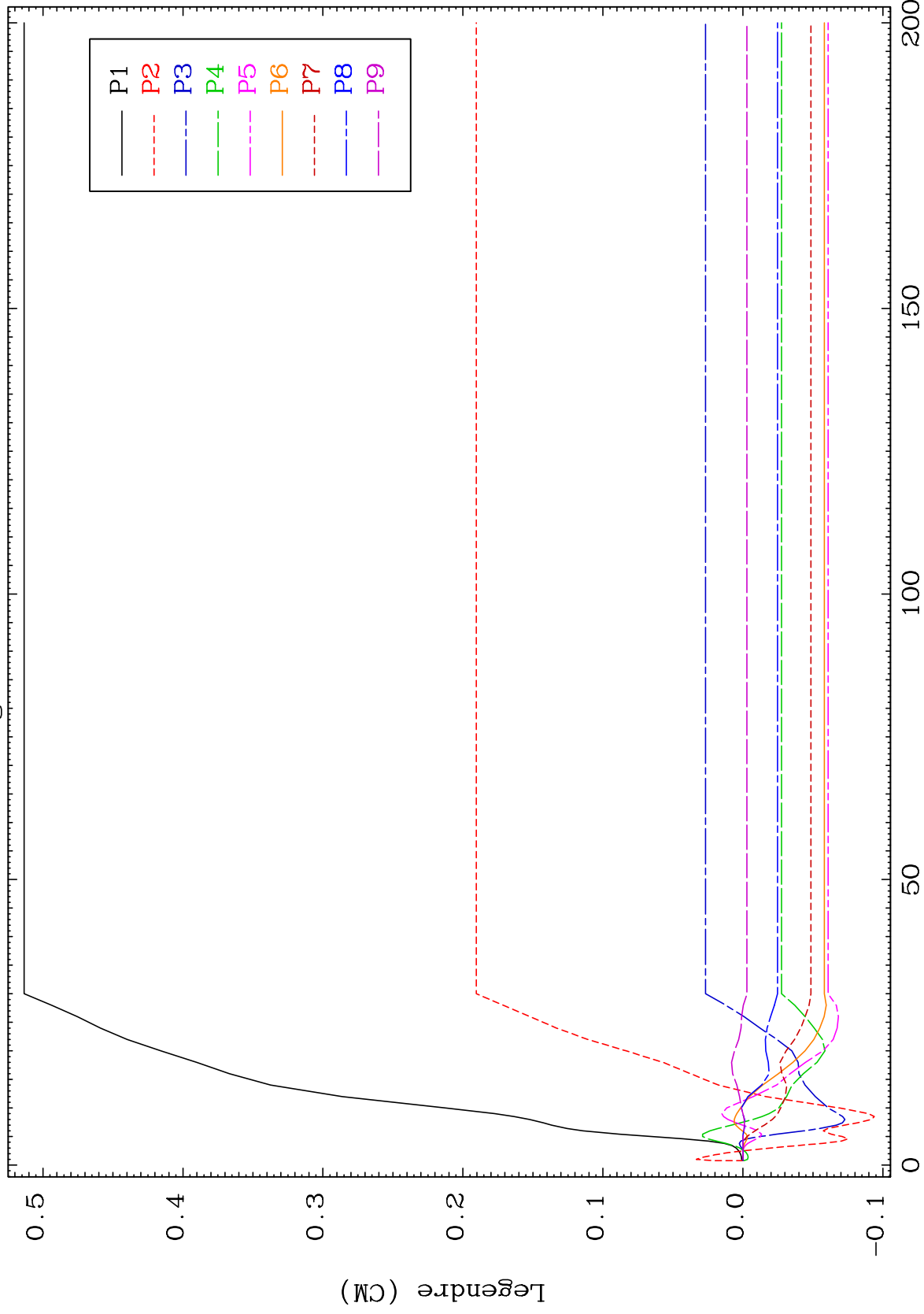
77-Ir-187



MAT 7713

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

77-Ir-187



99

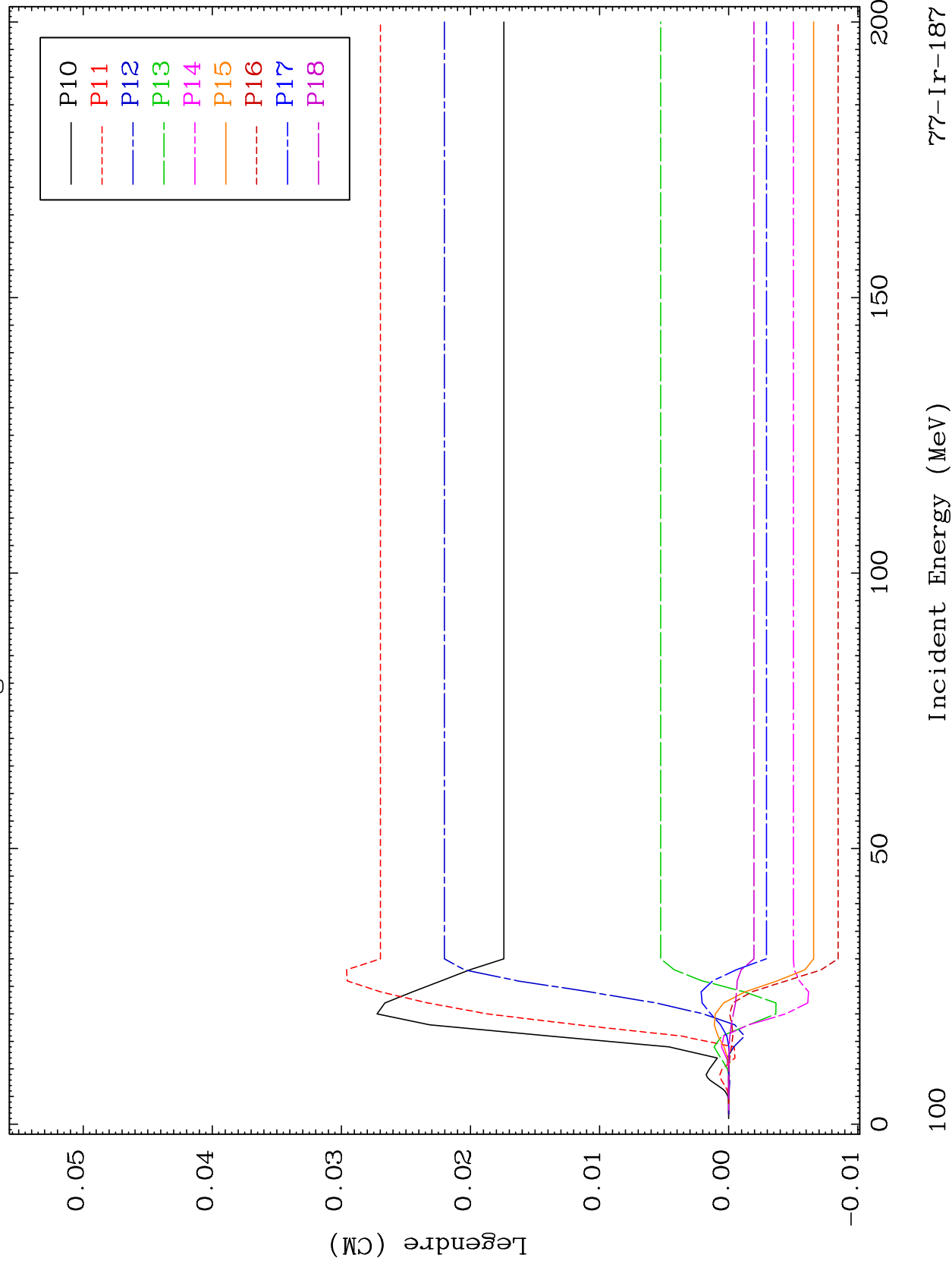
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



77-Ir-187

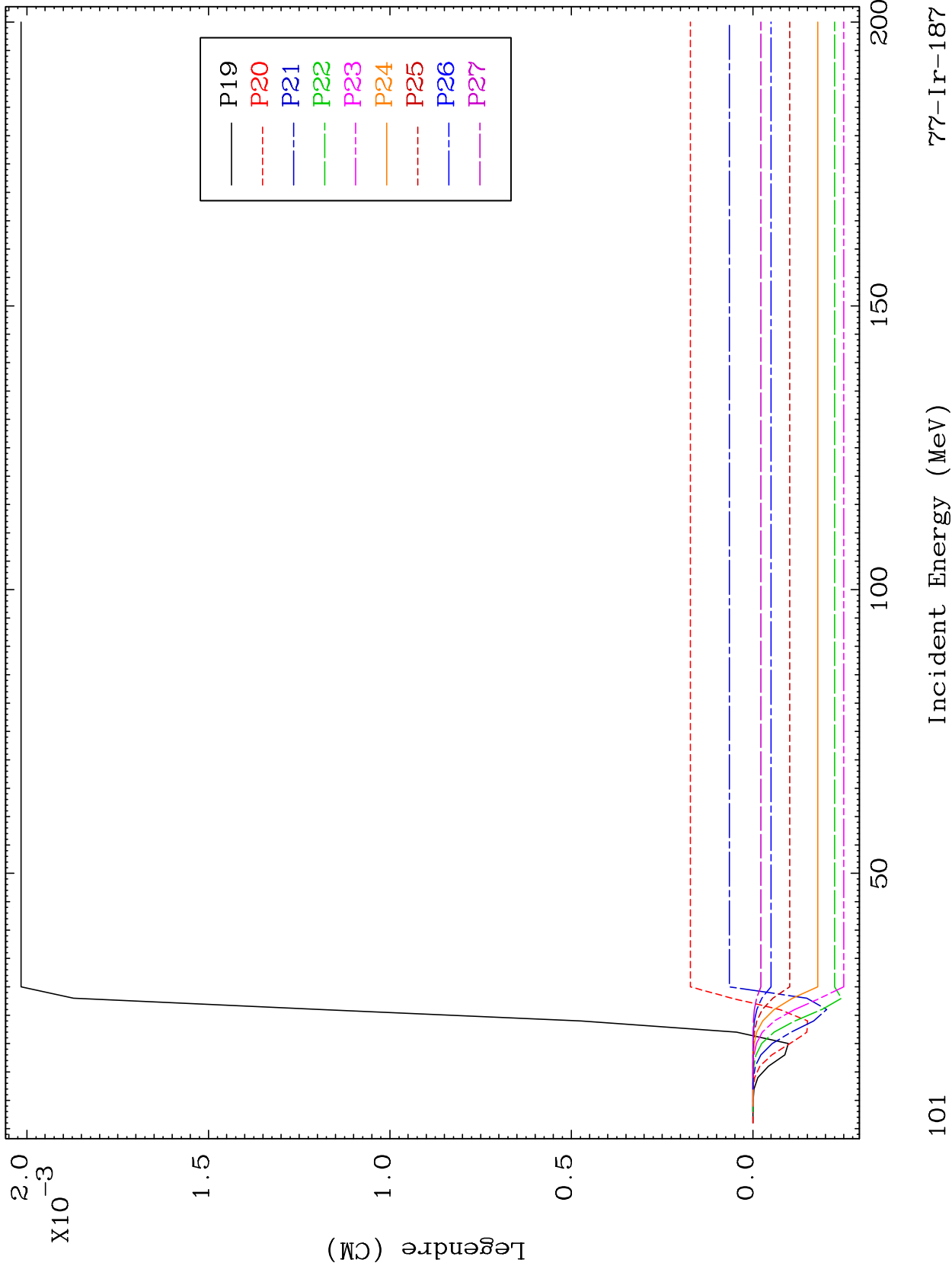
Incident Energy (MeV)

100

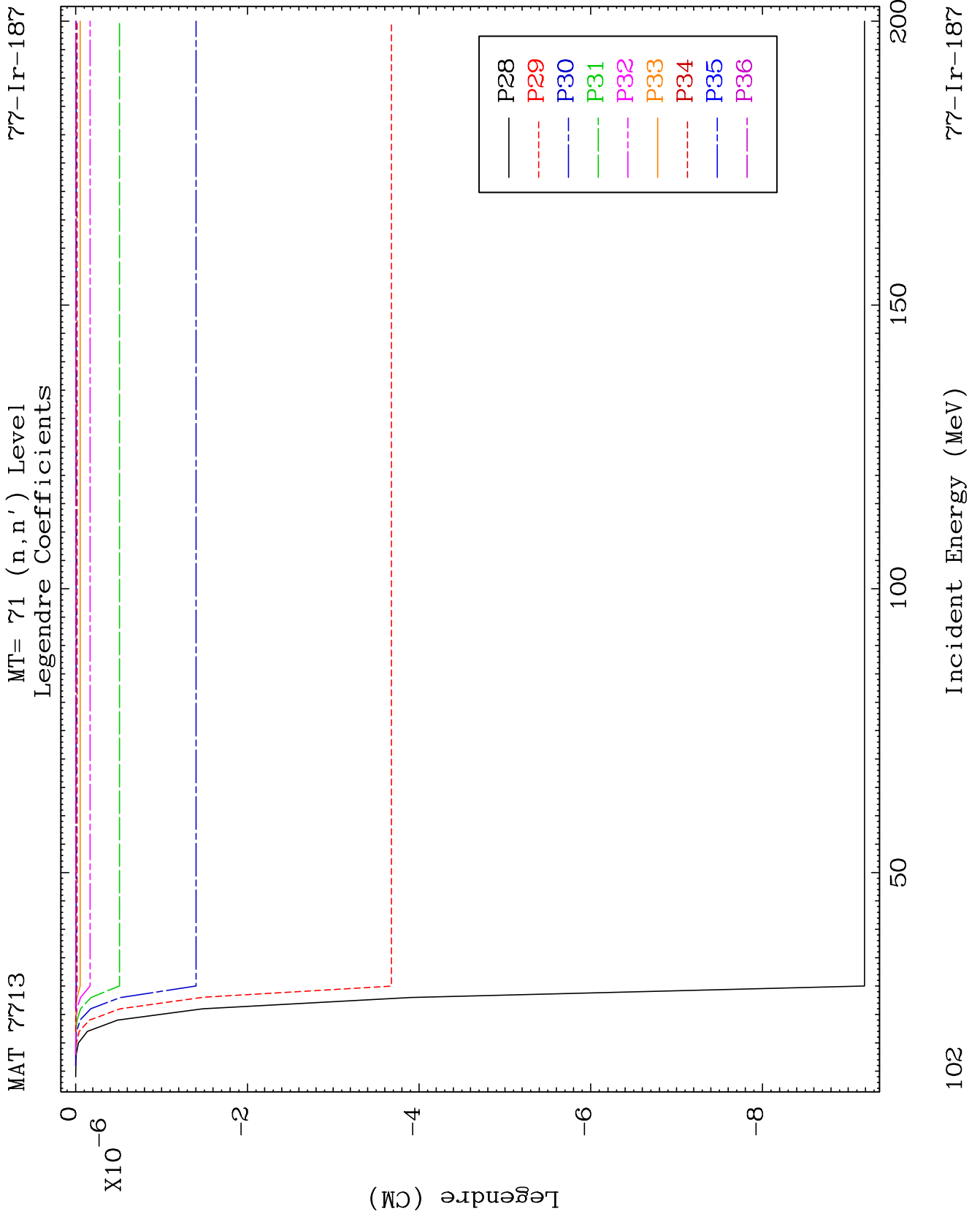
MAT 7713

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

77-Ir-187



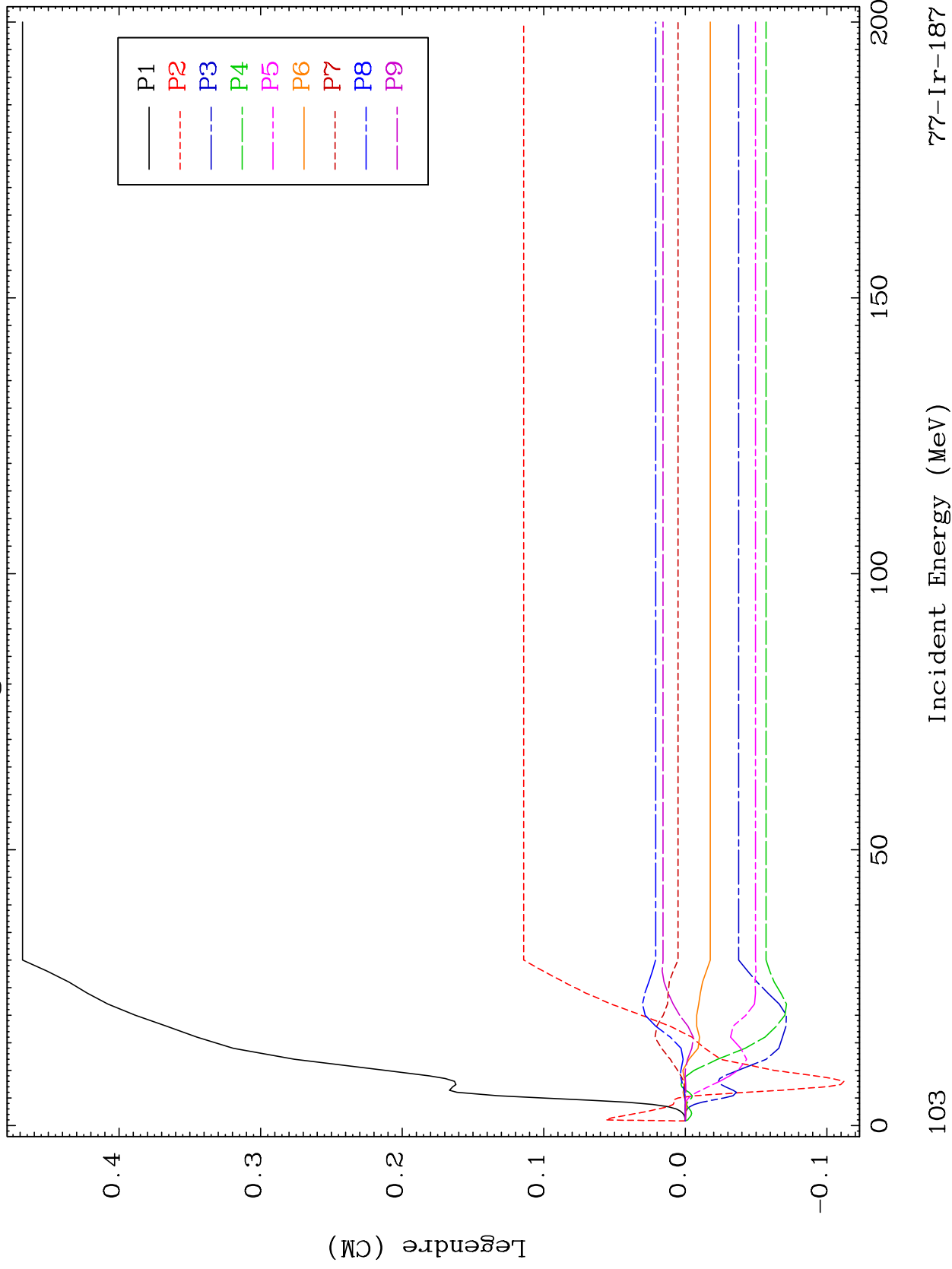
101



MAT 7713

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

77-Ir-187



77-Ir-187

Incident Energy (MeV)

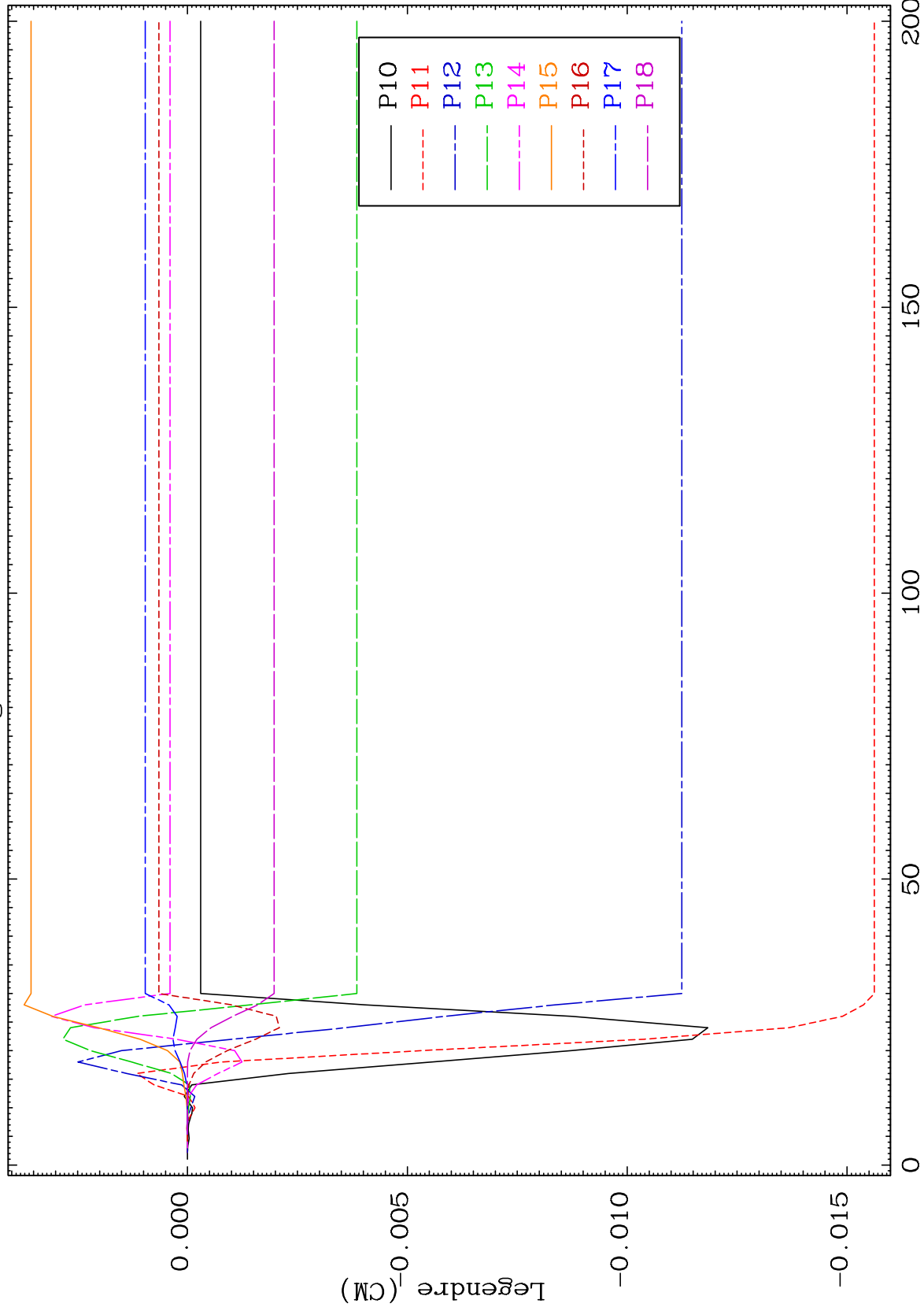
103



MAT 7713

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

77-Ir-187



104

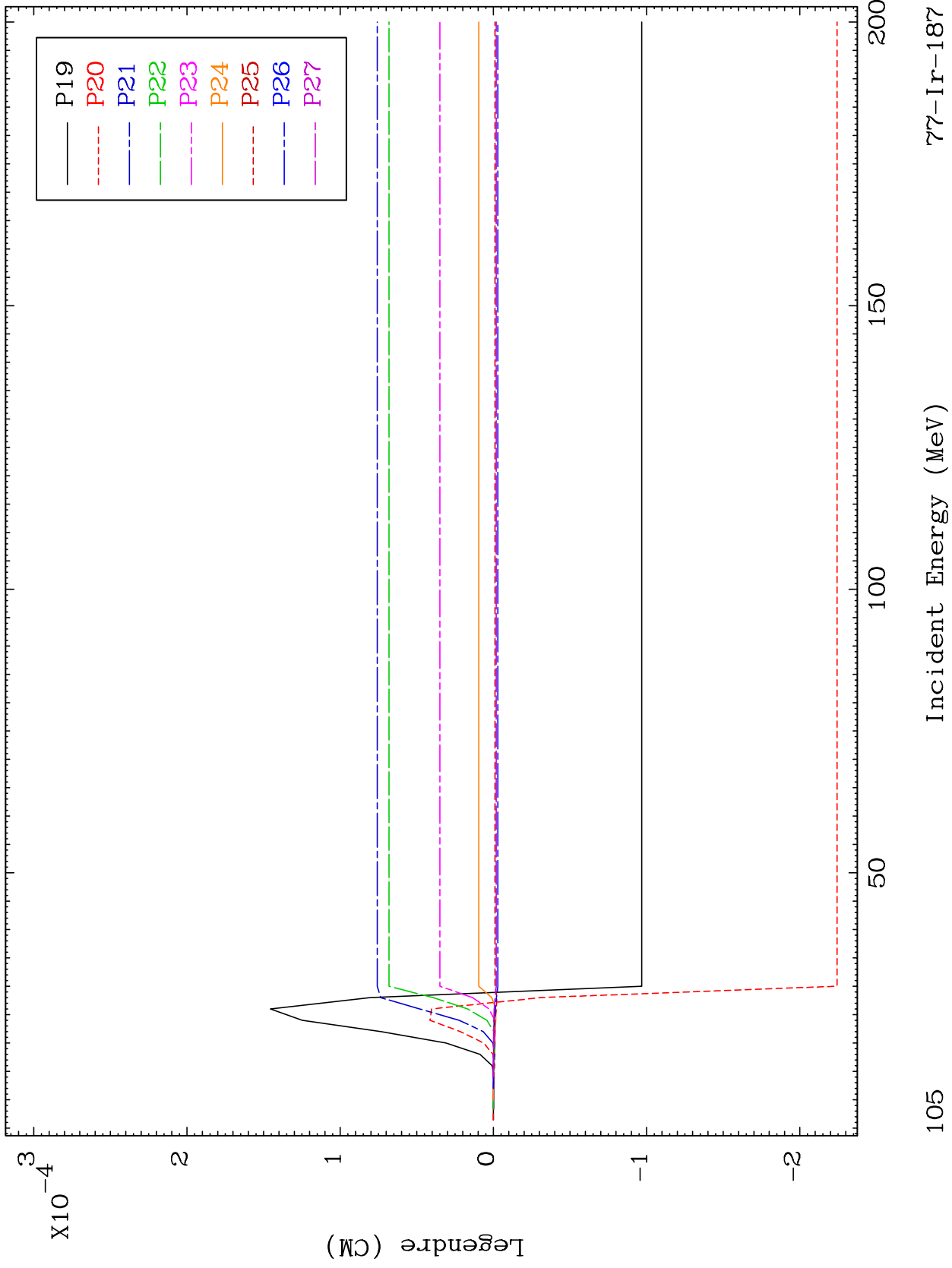
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



105

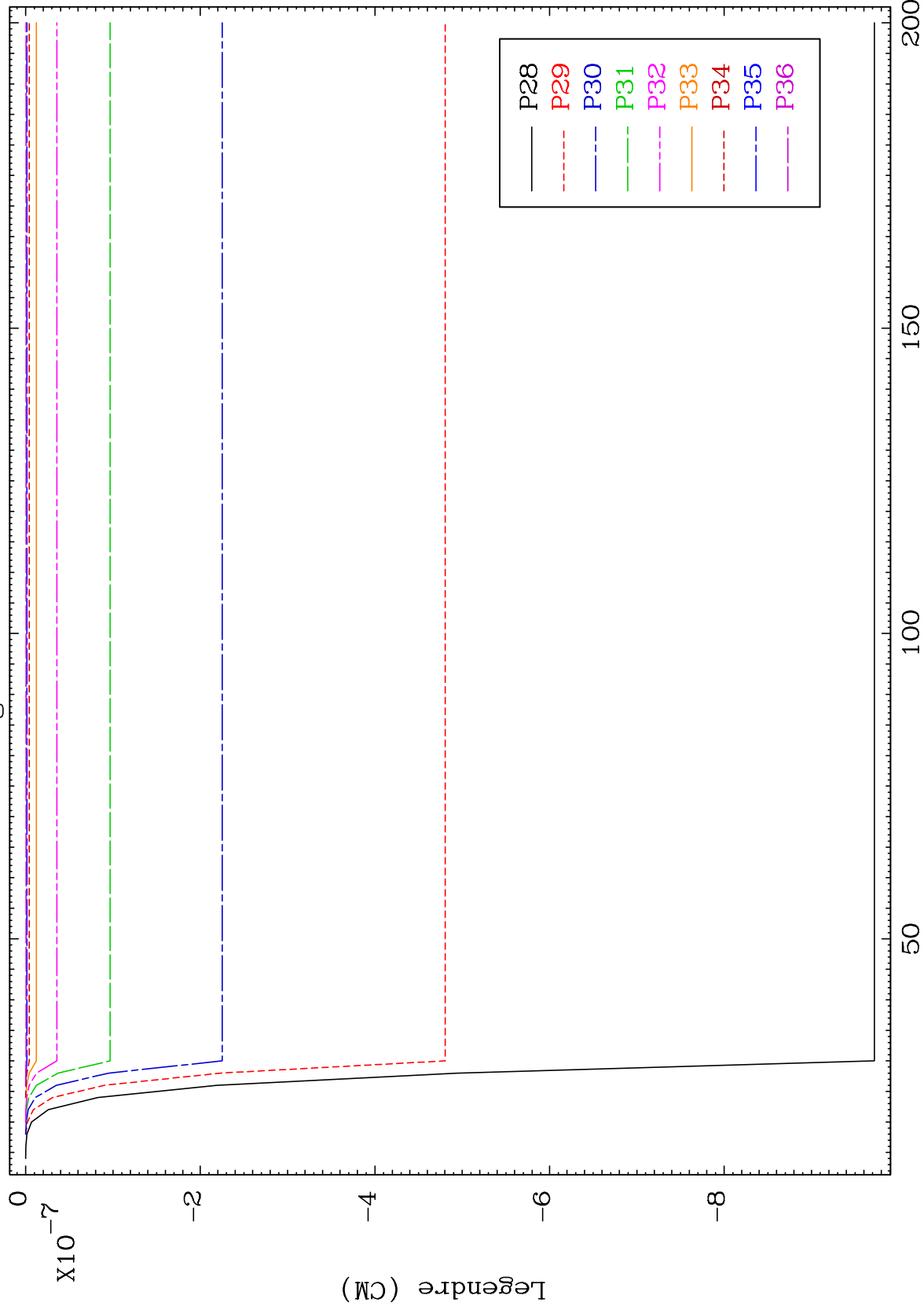
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



106

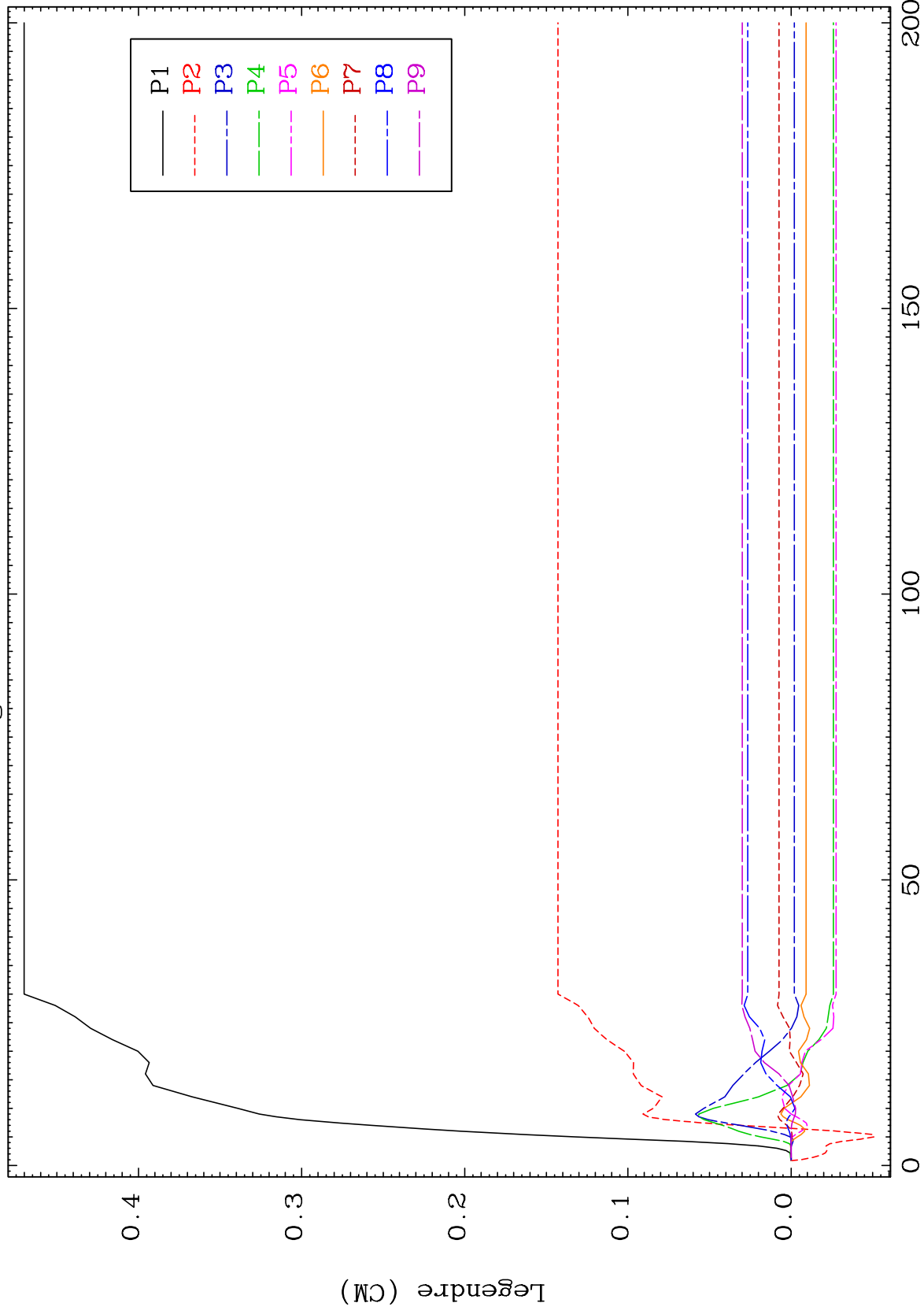
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



77-Ir-187

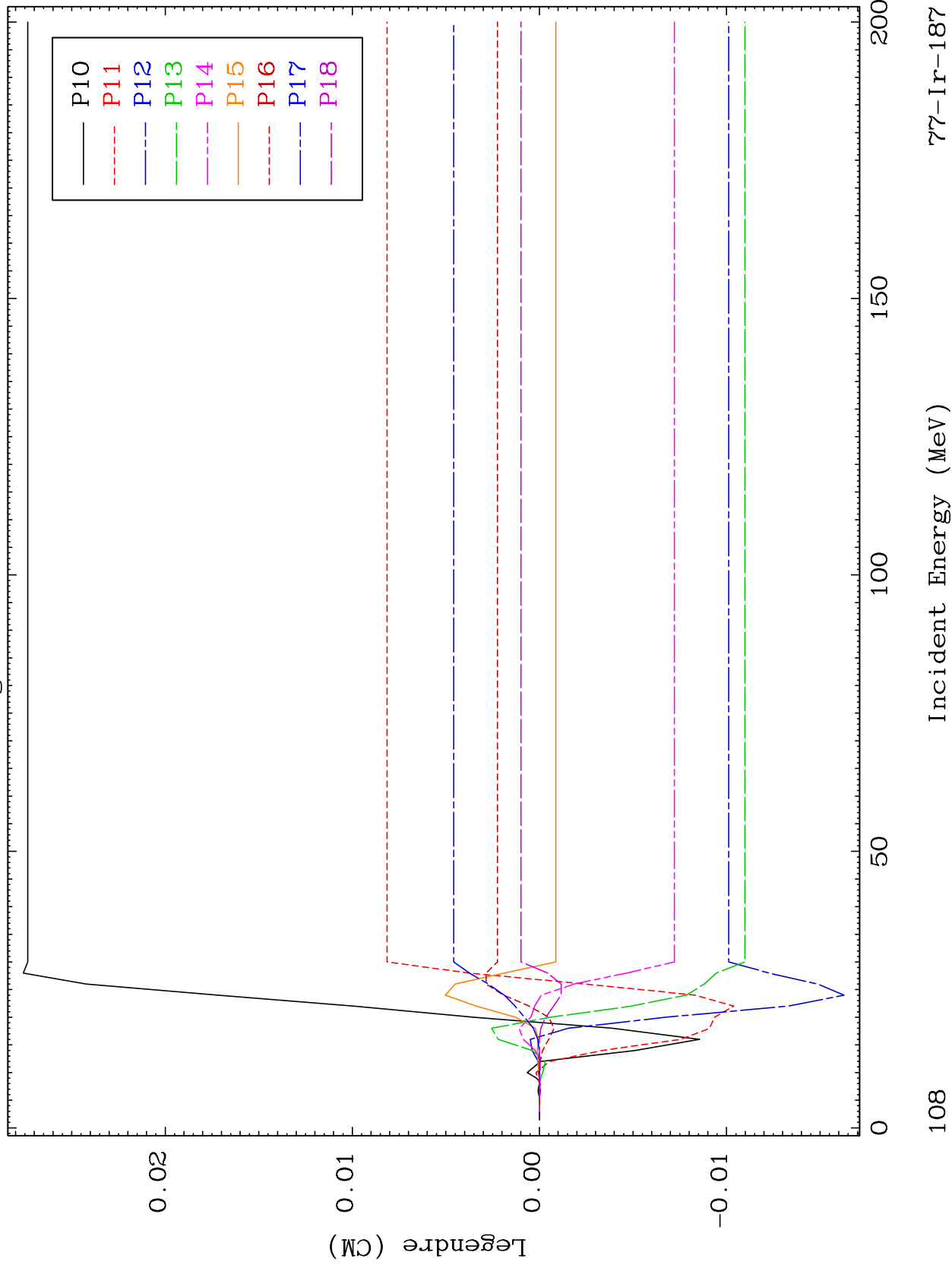
Incident Energy (MeV)

107

MAT 7713

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

77-Ir-187



77-Ir-187

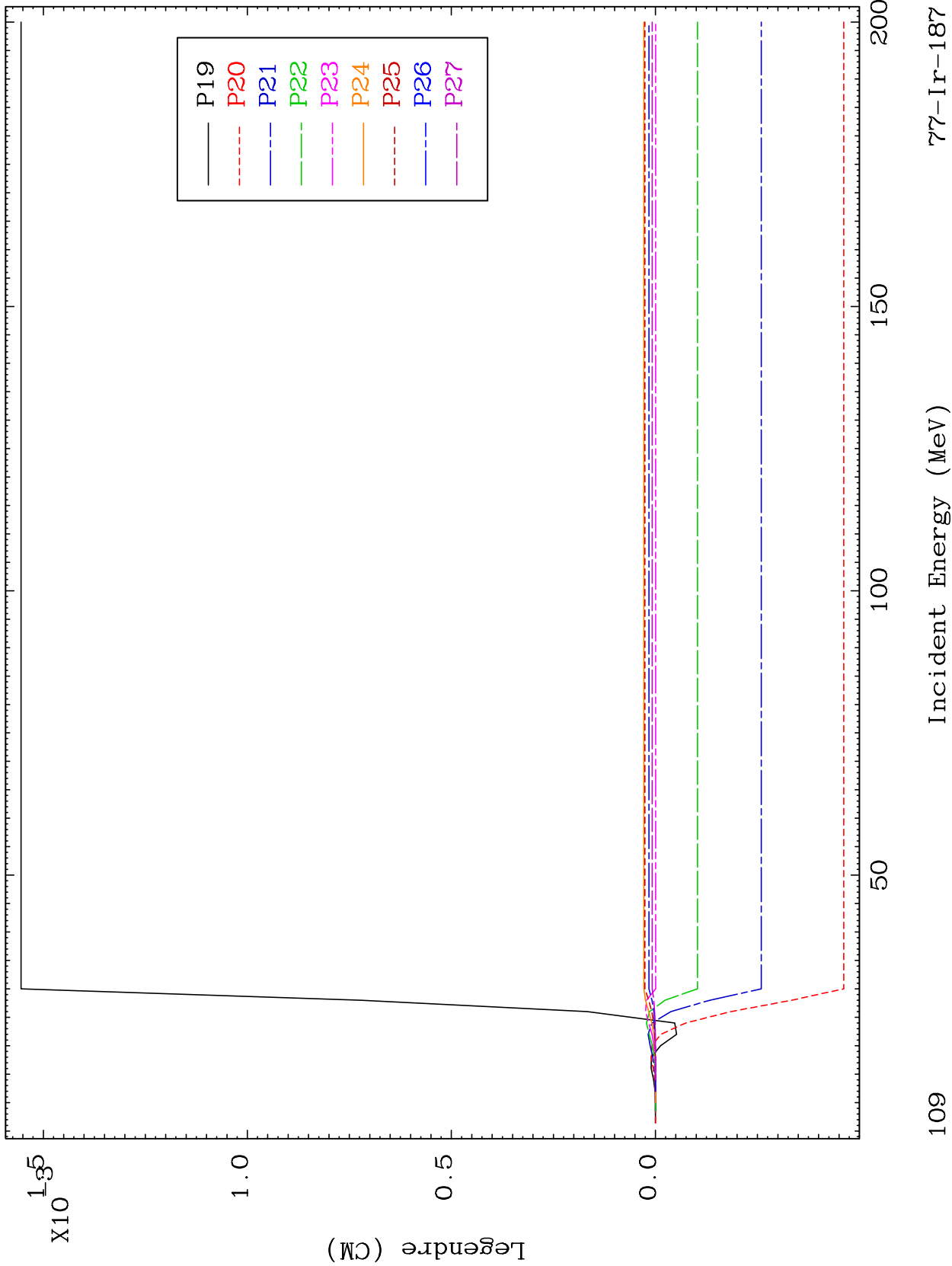
Incident Energy (MeV)

108

MAT 7713

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

77-Ir-187



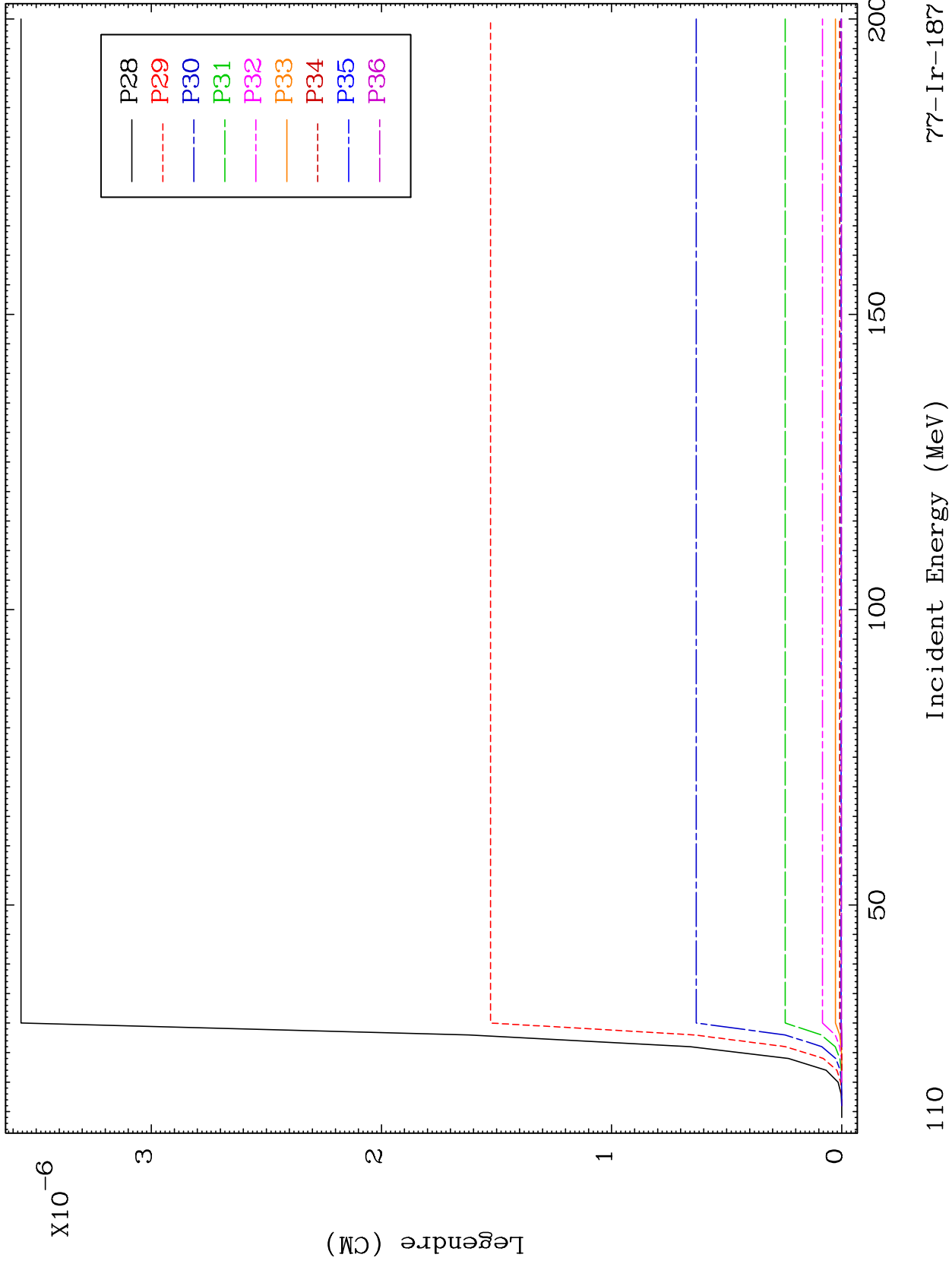
109

77-Ir-187

MAT 7713

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

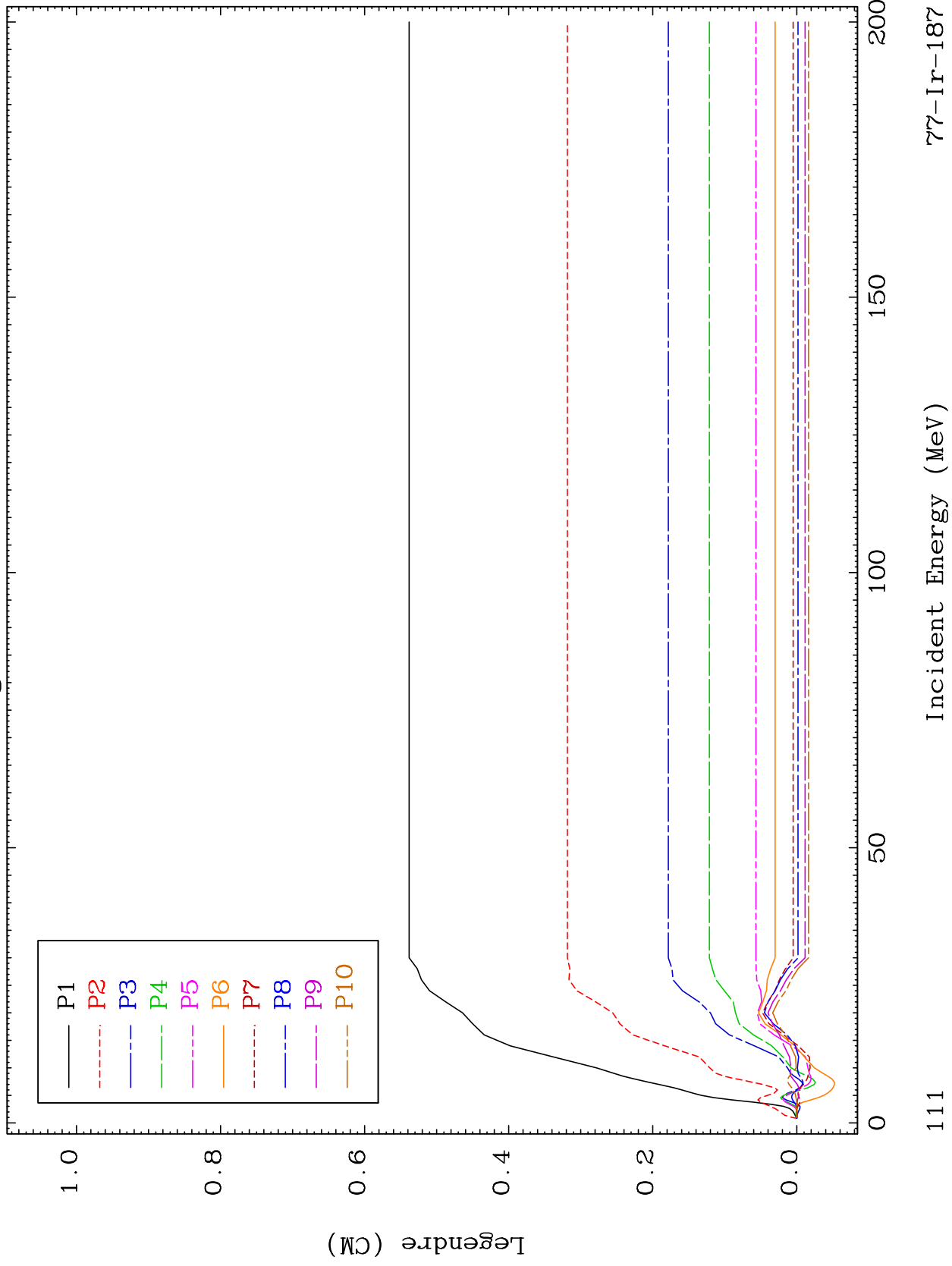
77-Ir-187



MAT 7713

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

77-Ir-187

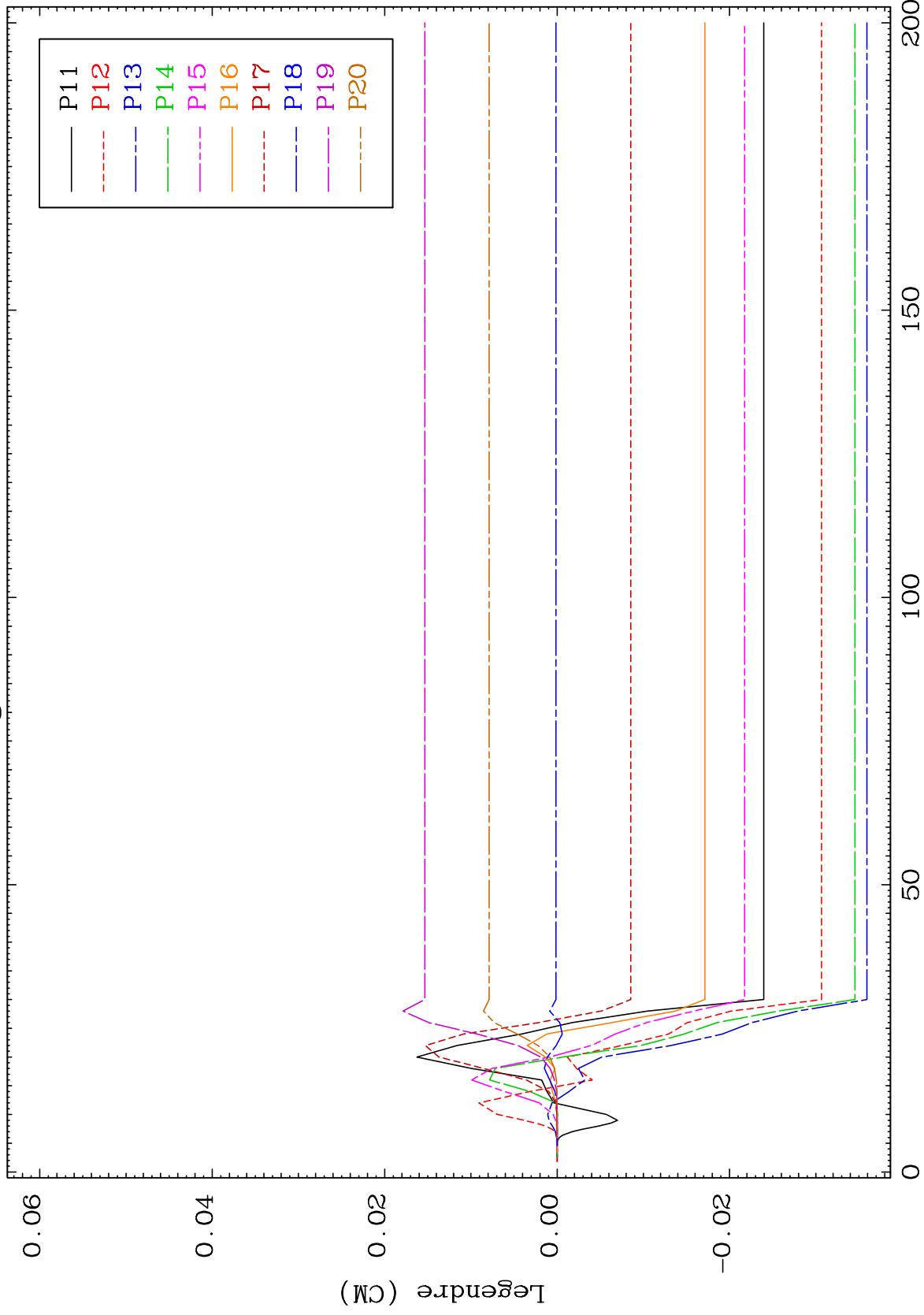




MAT 7713

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

77-Ir-187



112

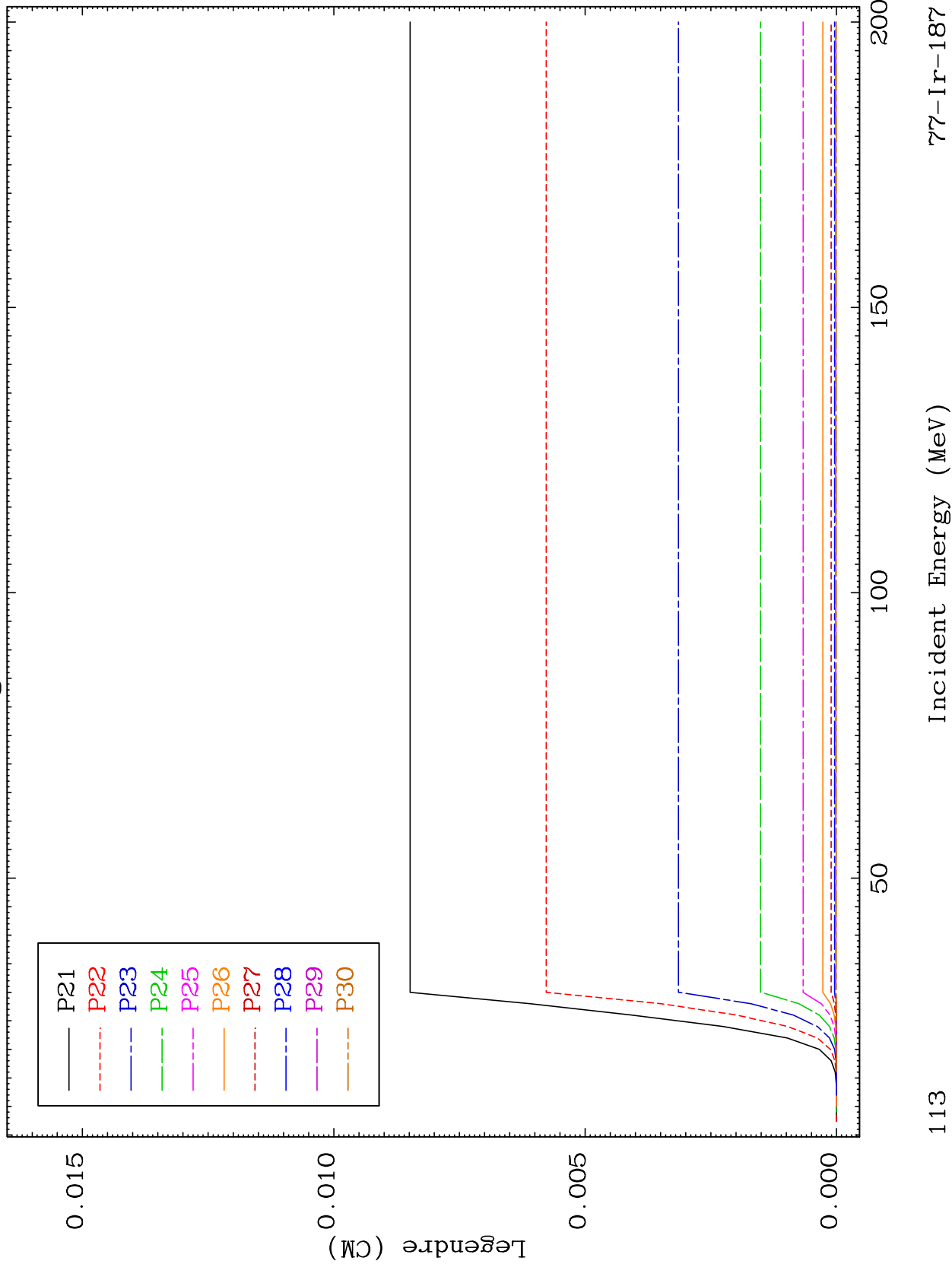
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



113

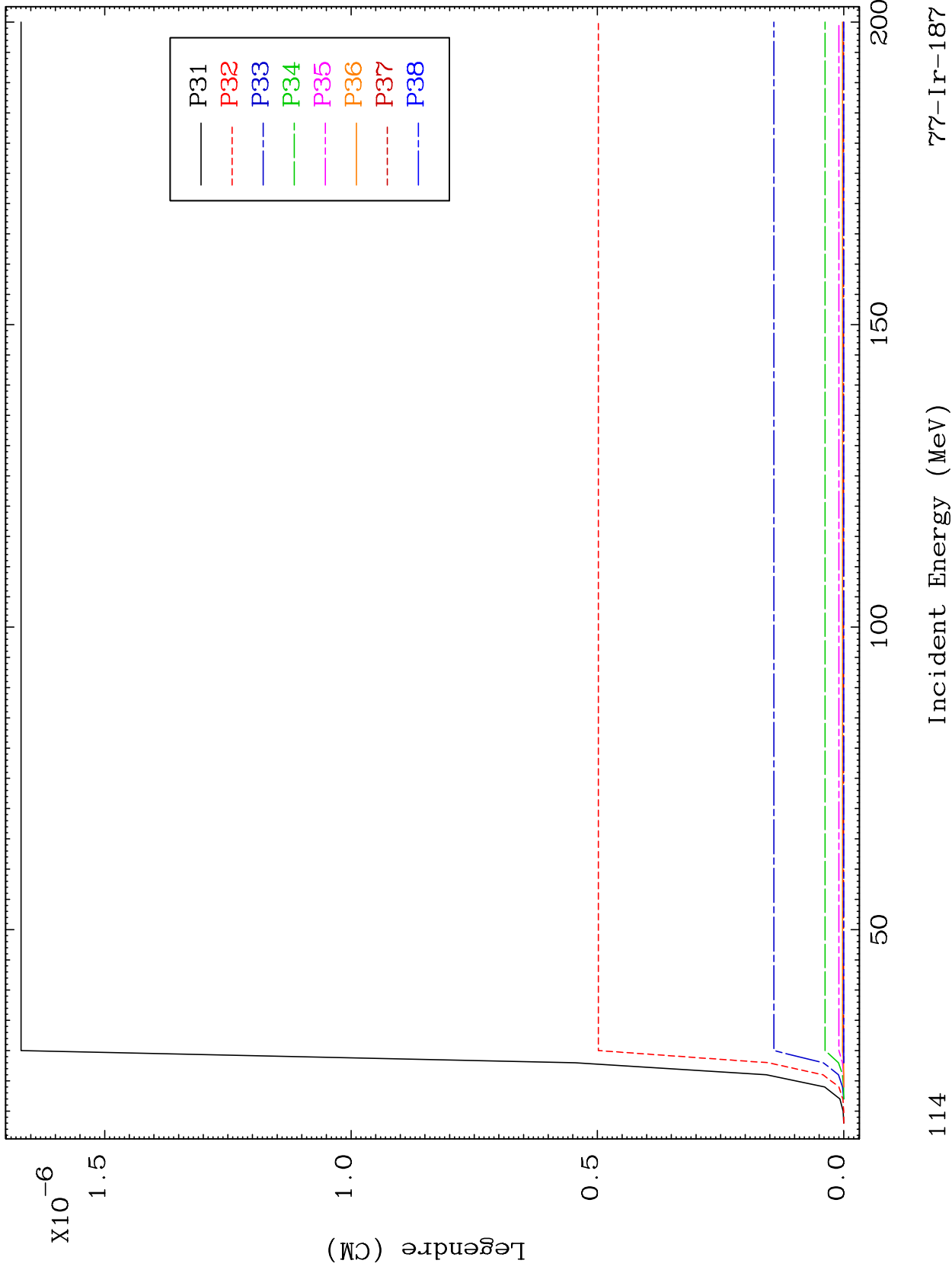
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

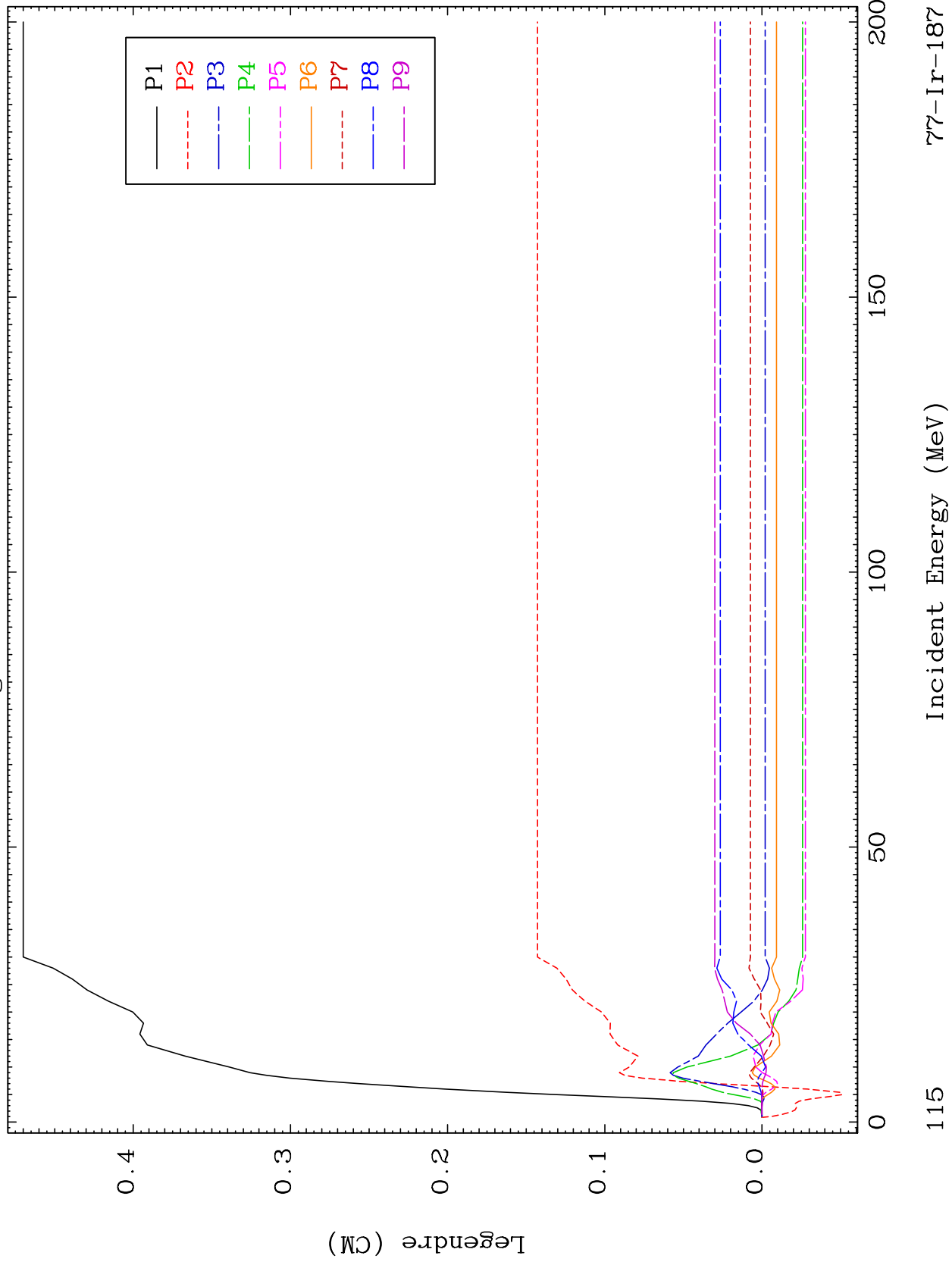
77-Ir-187



MAT 7713

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

77-Ir-187



77-Ir-187

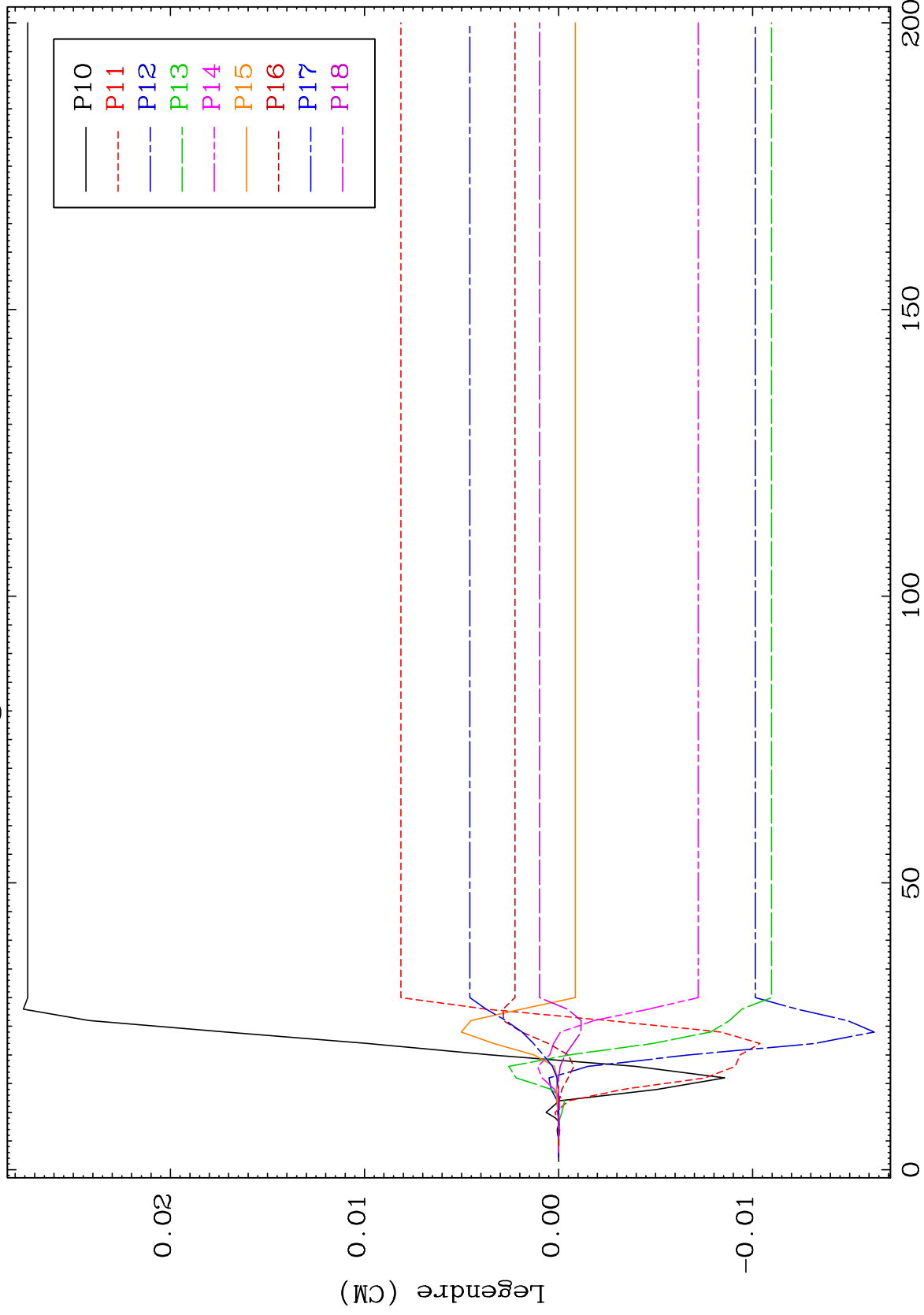
Incident Energy (MeV)

115

MAT 7713

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

77-Ir-187



116

Incident Energy (MeV)

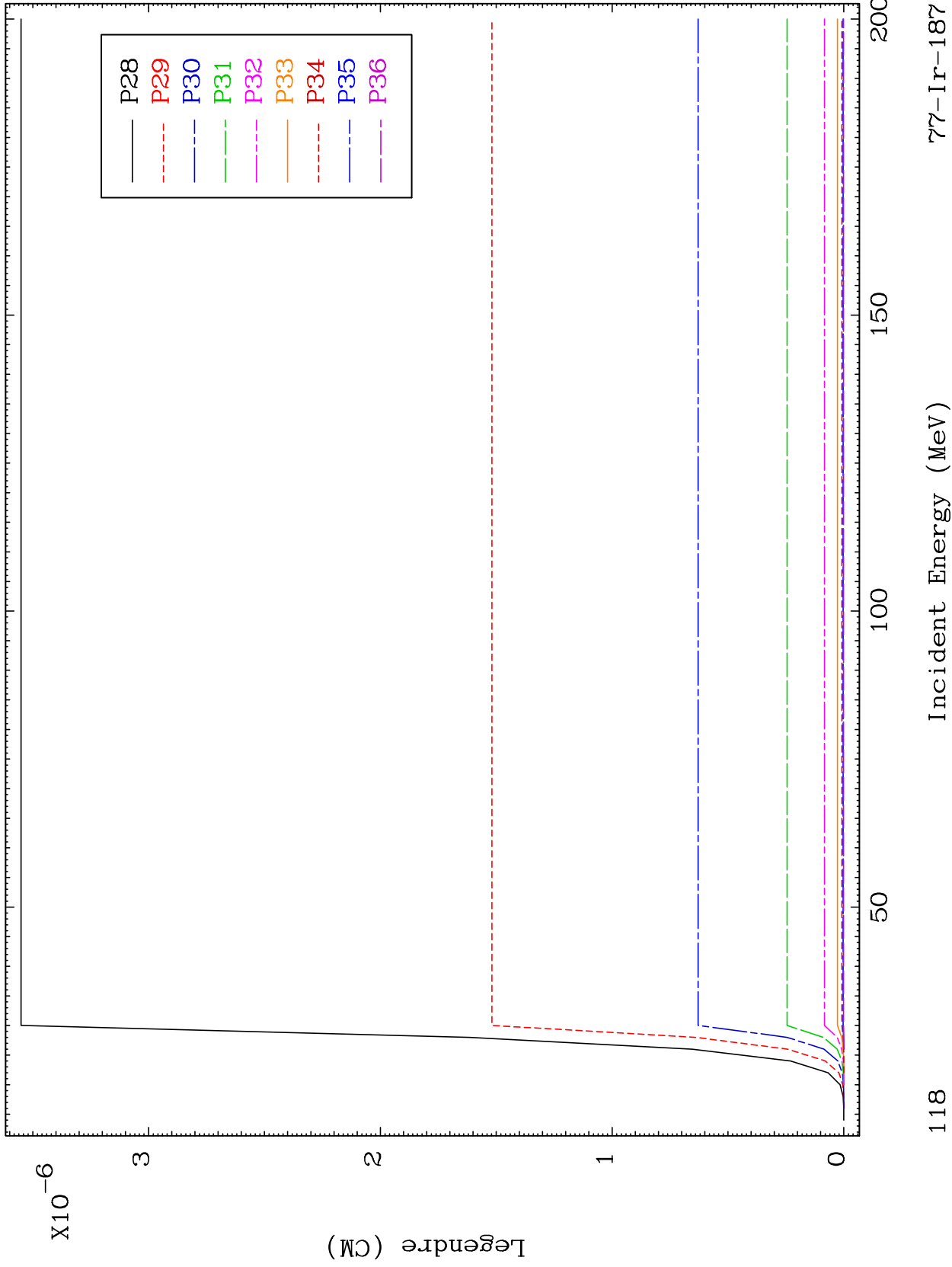
77-Ir-187



MAT 7713

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

77-Ir-187



118

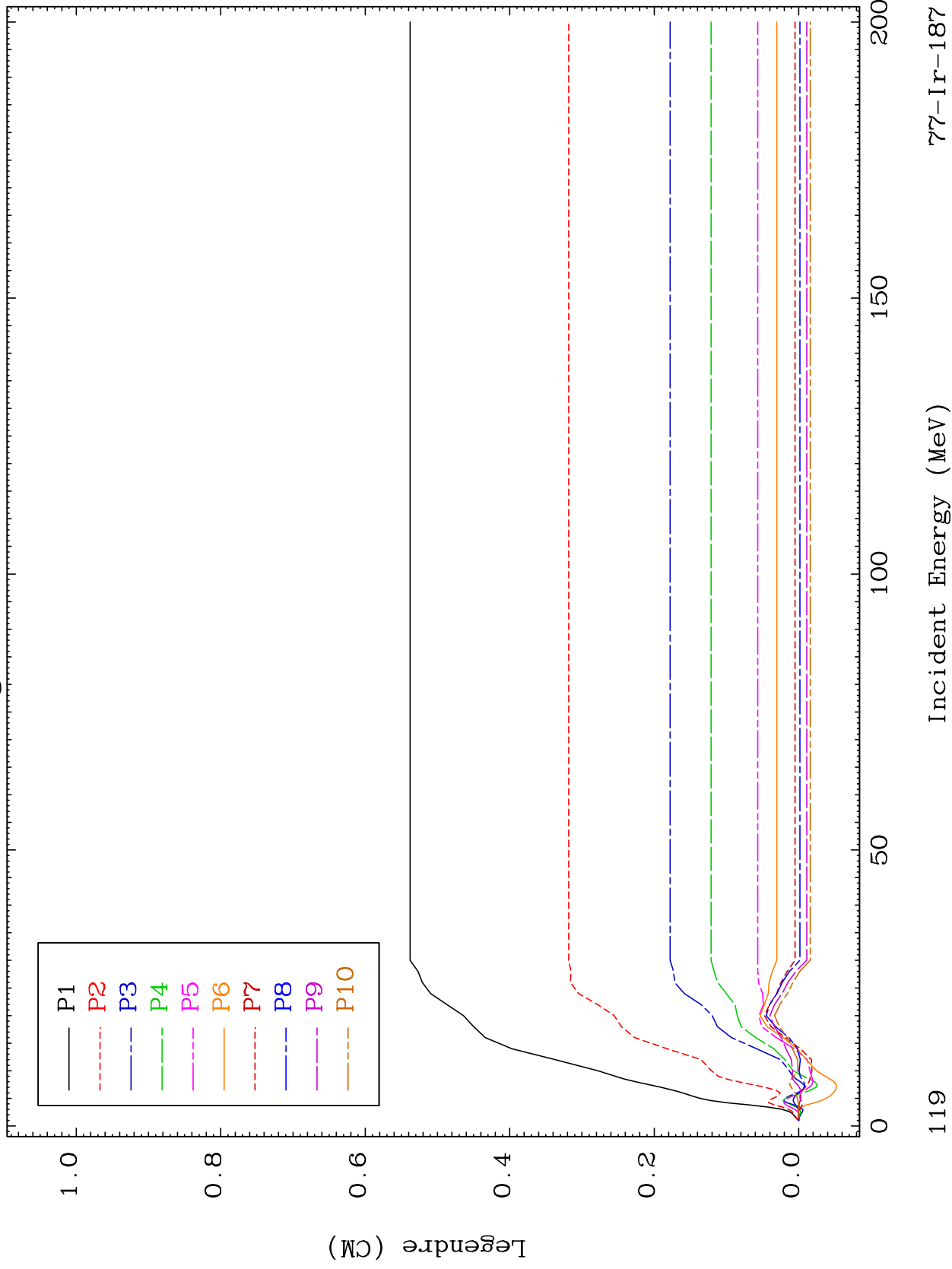
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187



77-Ir-187

Incident Energy (MeV)

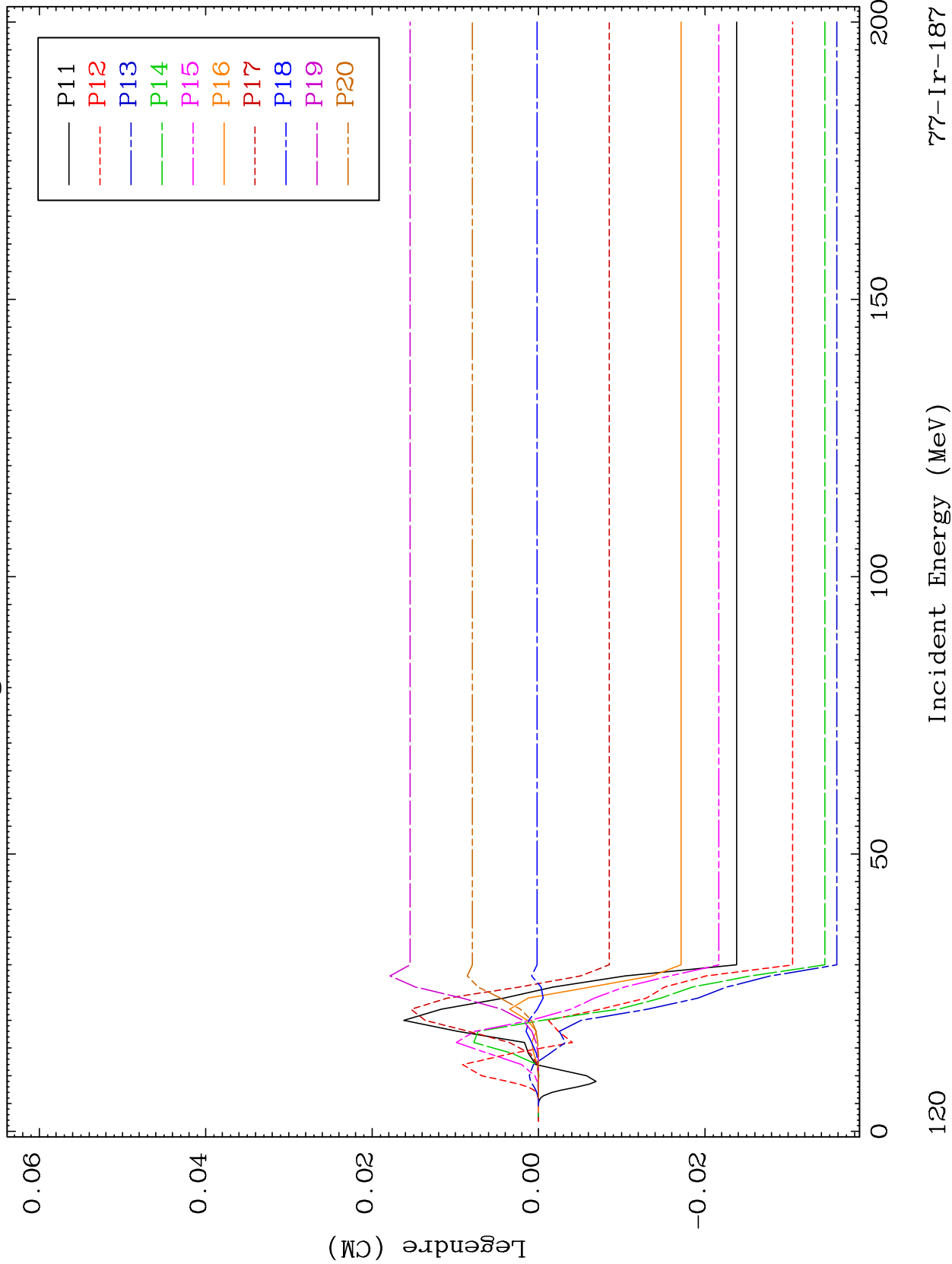
119



MAT 7713

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

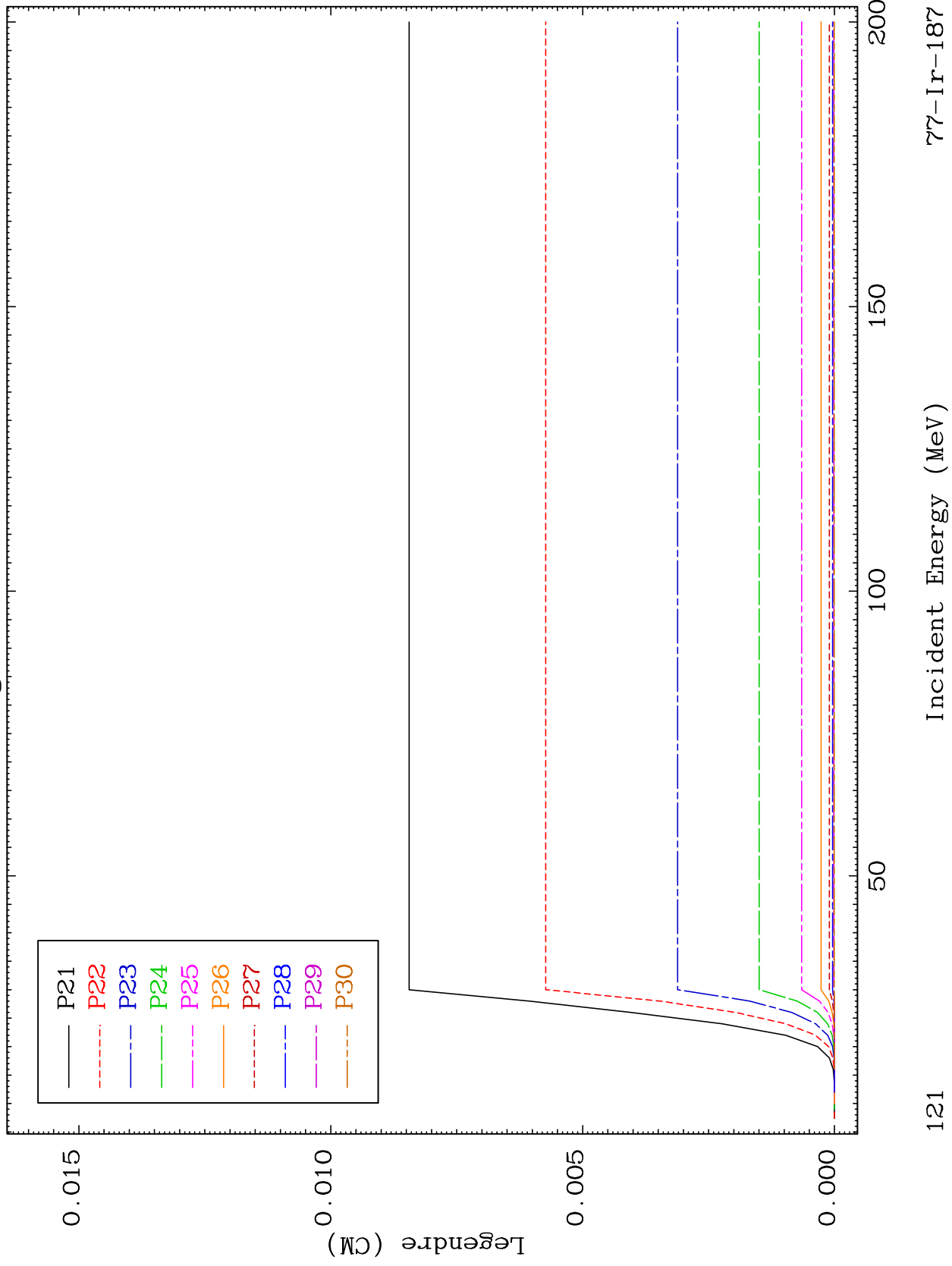
77-Ir-187



MAT 7713

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

77-Ir-187



121

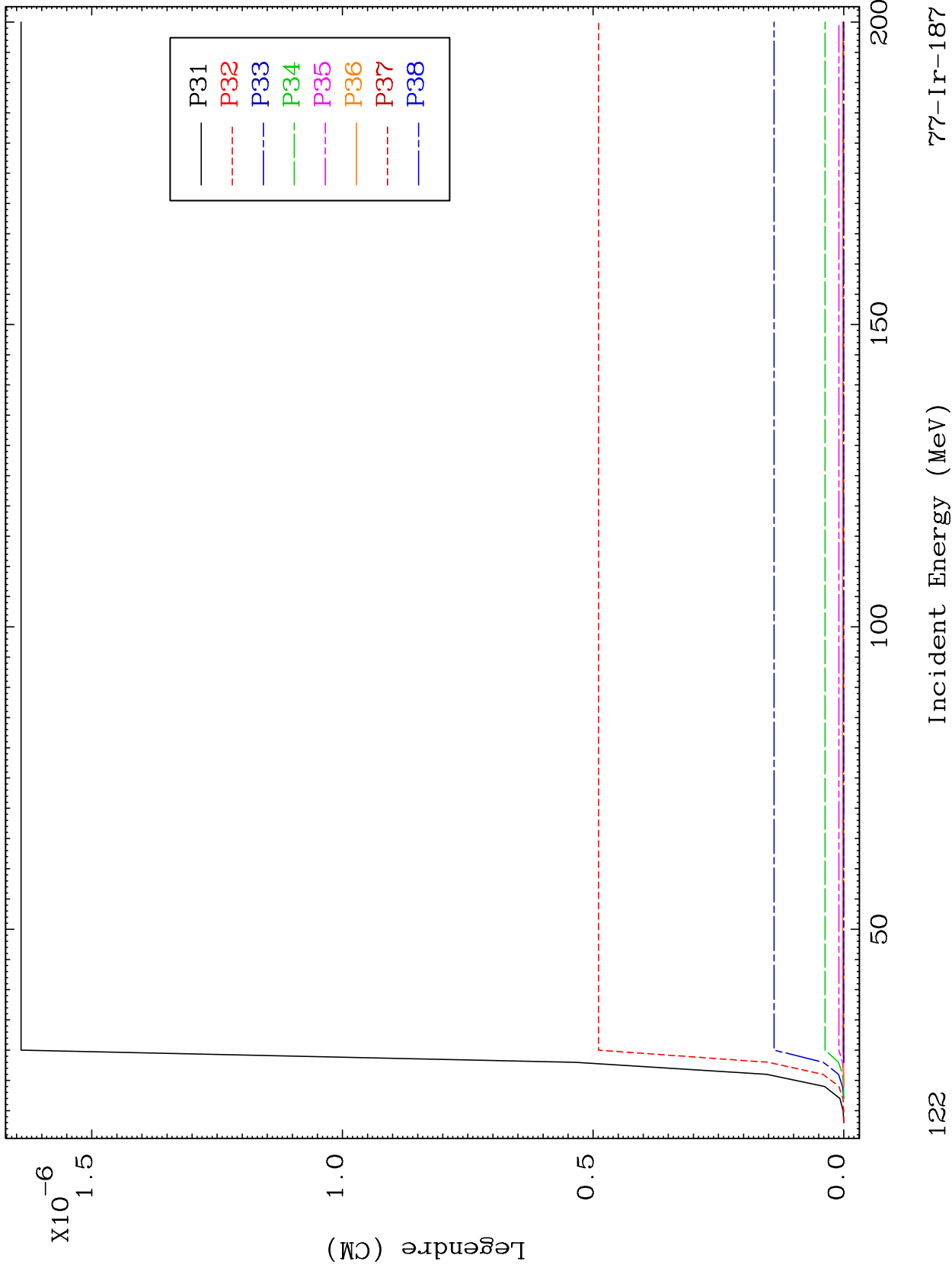
Incident Energy (MeV)

77-Ir-187

MAT 7713

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

77-Ir-187

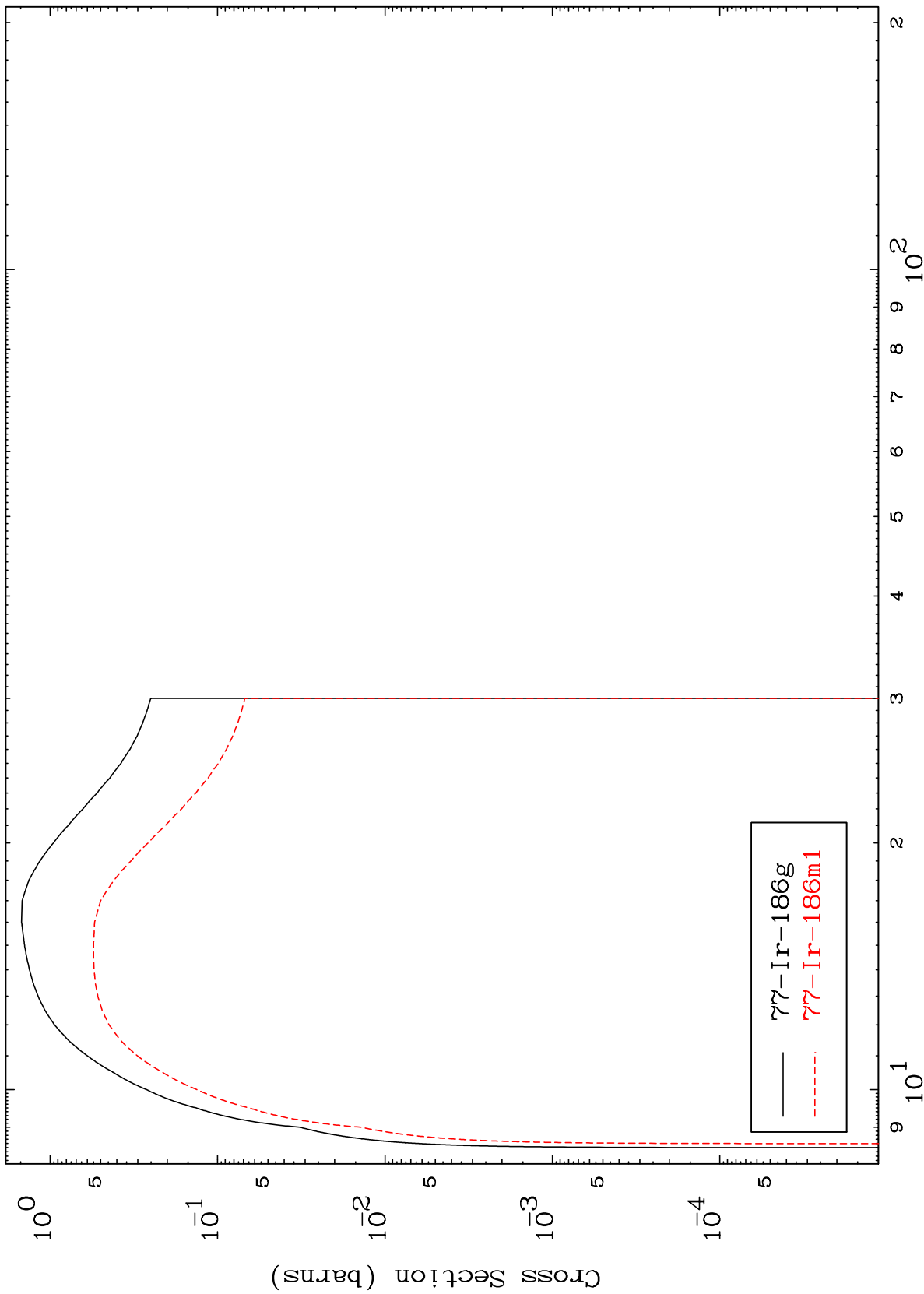


MAT 7713

<sup>77</sup>Ir-187

Radionuclide Production Cross Section

(n,2n)



— <sup>77</sup>Ir-186g  
- - - <sup>77</sup>Ir-186m1

123

Incident Energy (MeV)

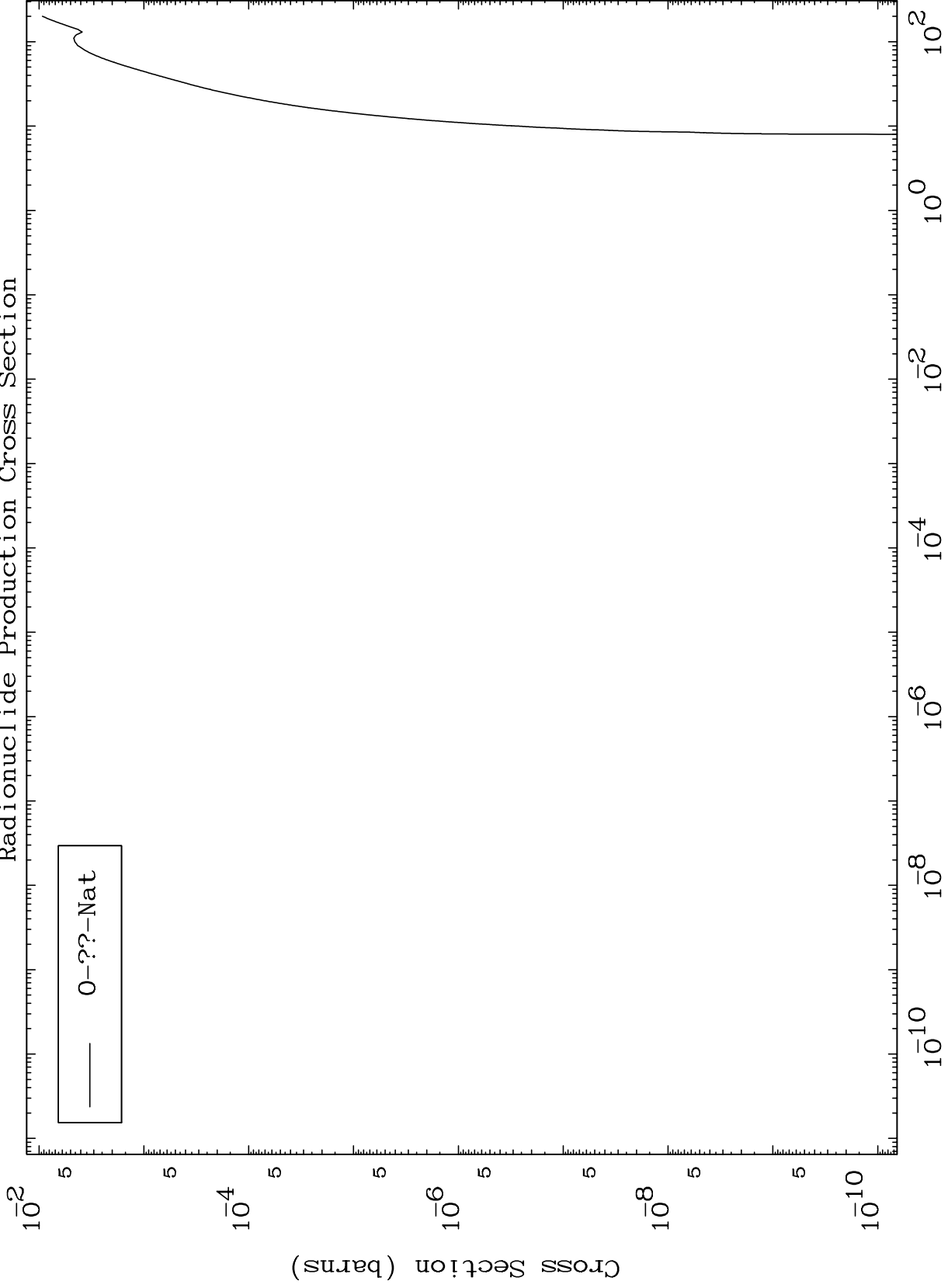
<sup>77</sup>Ir-187

MAT 7713

Fission

<sup>77</sup>Ir-187

Radionuclide Production Cross Section



124

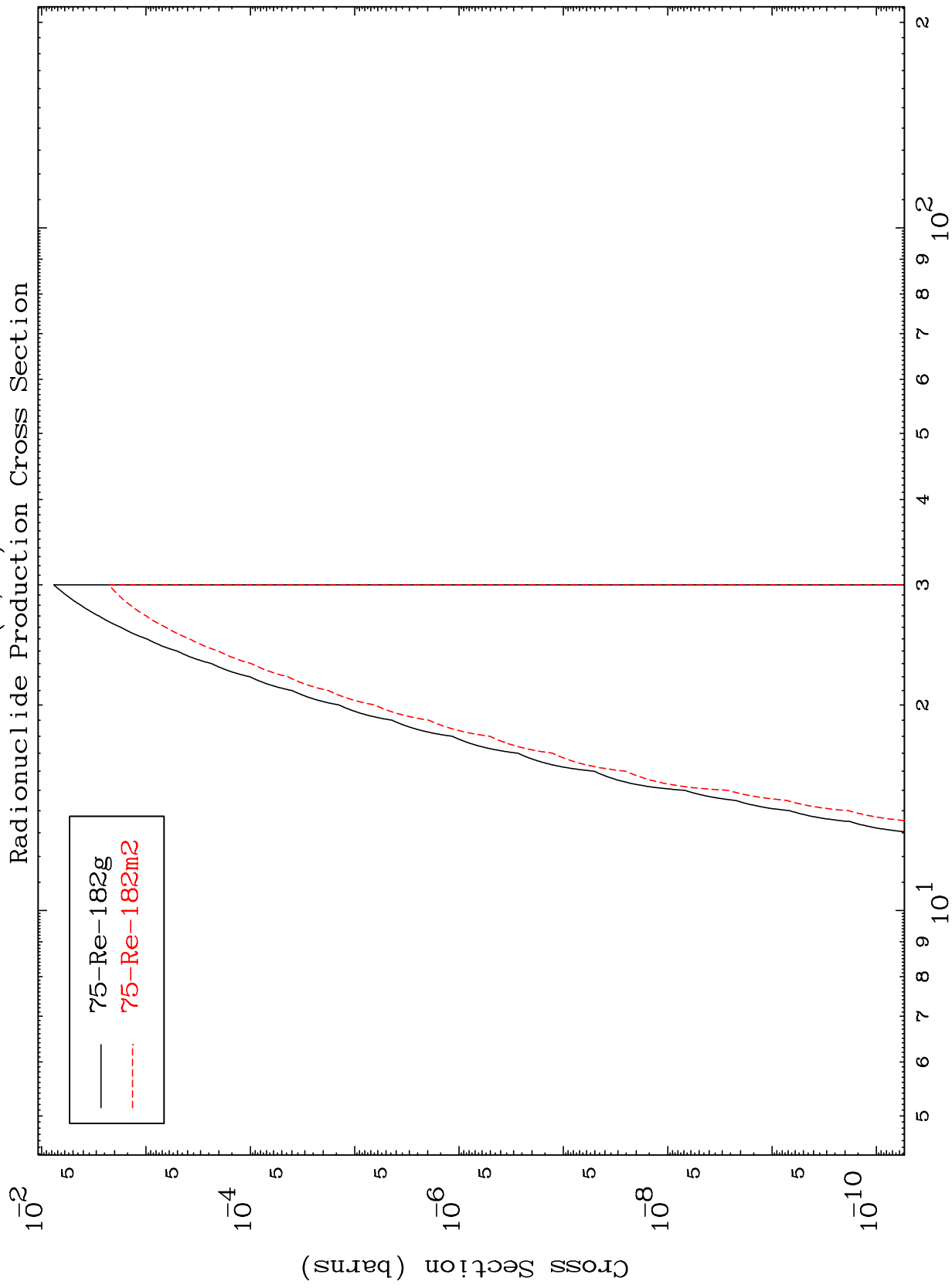
Incident Energy (MeV)

<sup>77</sup>Ir-187

MAT 7713

$(n,2n) \alpha$

$^{77}\text{Ir-187}$



125

Incident Energy (MeV)

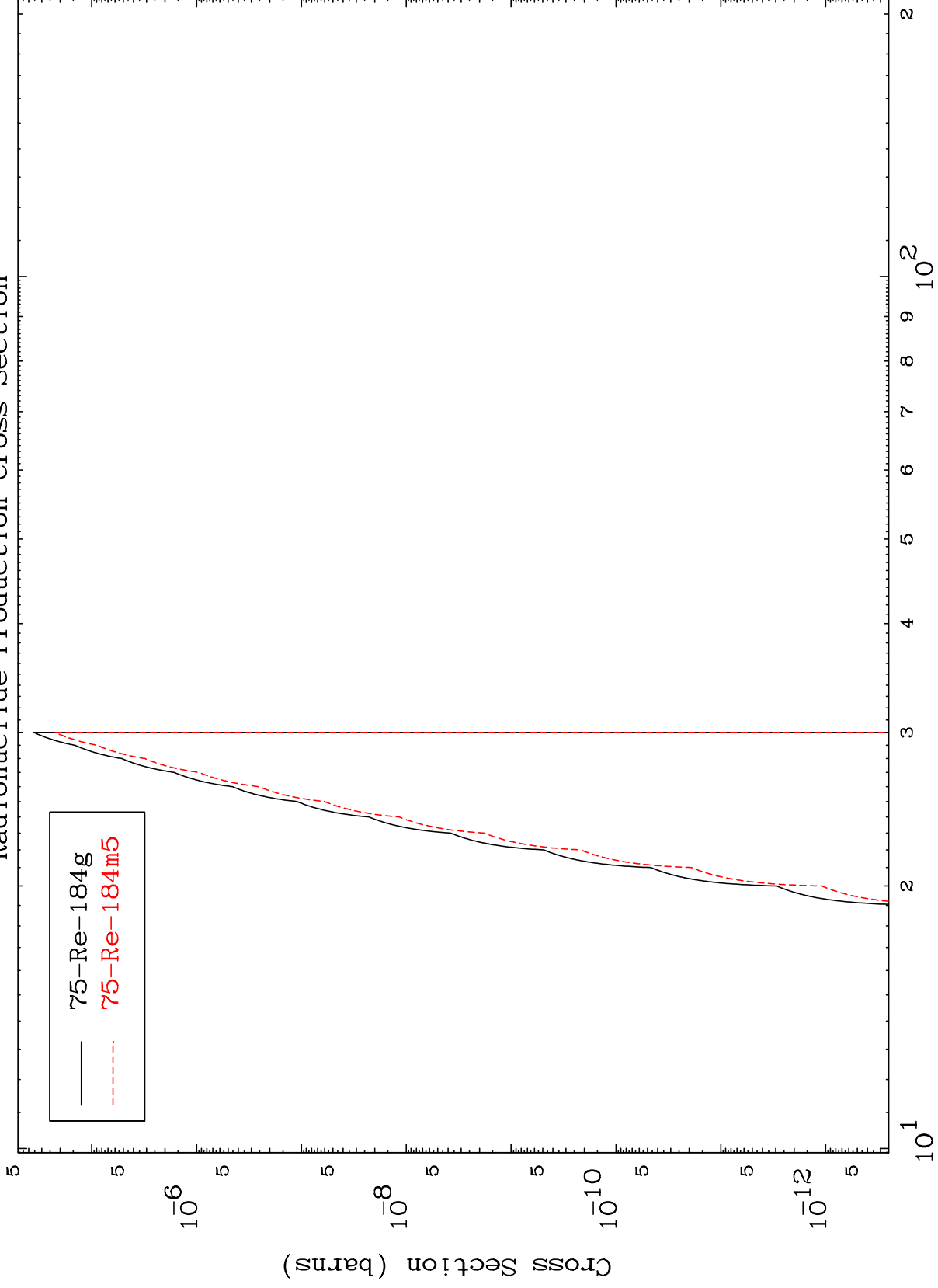
$^{77}\text{Ir-187}$

MAT 7713

(n,n') He-3

<sup>77</sup>Ir-187

Radionuclide Production Cross Section



Incident Energy (MeV)

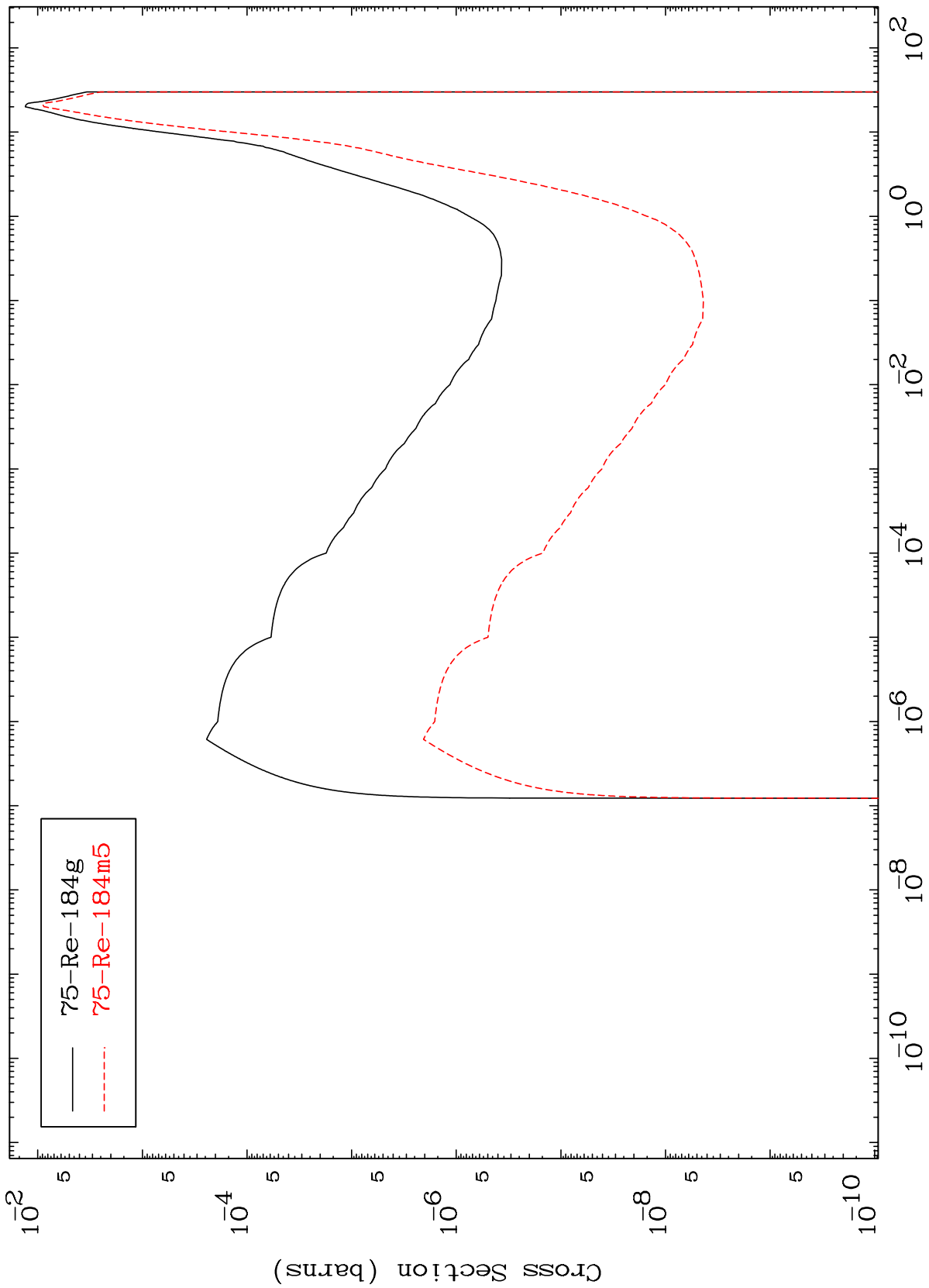
<sup>77</sup>Ir-187

126

MAT 7713

77-Ir-187

Radionuclide Production Cross Section  
(n,  $\alpha$ )



— 75-Re-184g  
- - - 75-Re-184m5

77-Ir-187

Incident Energy (MeV)

127

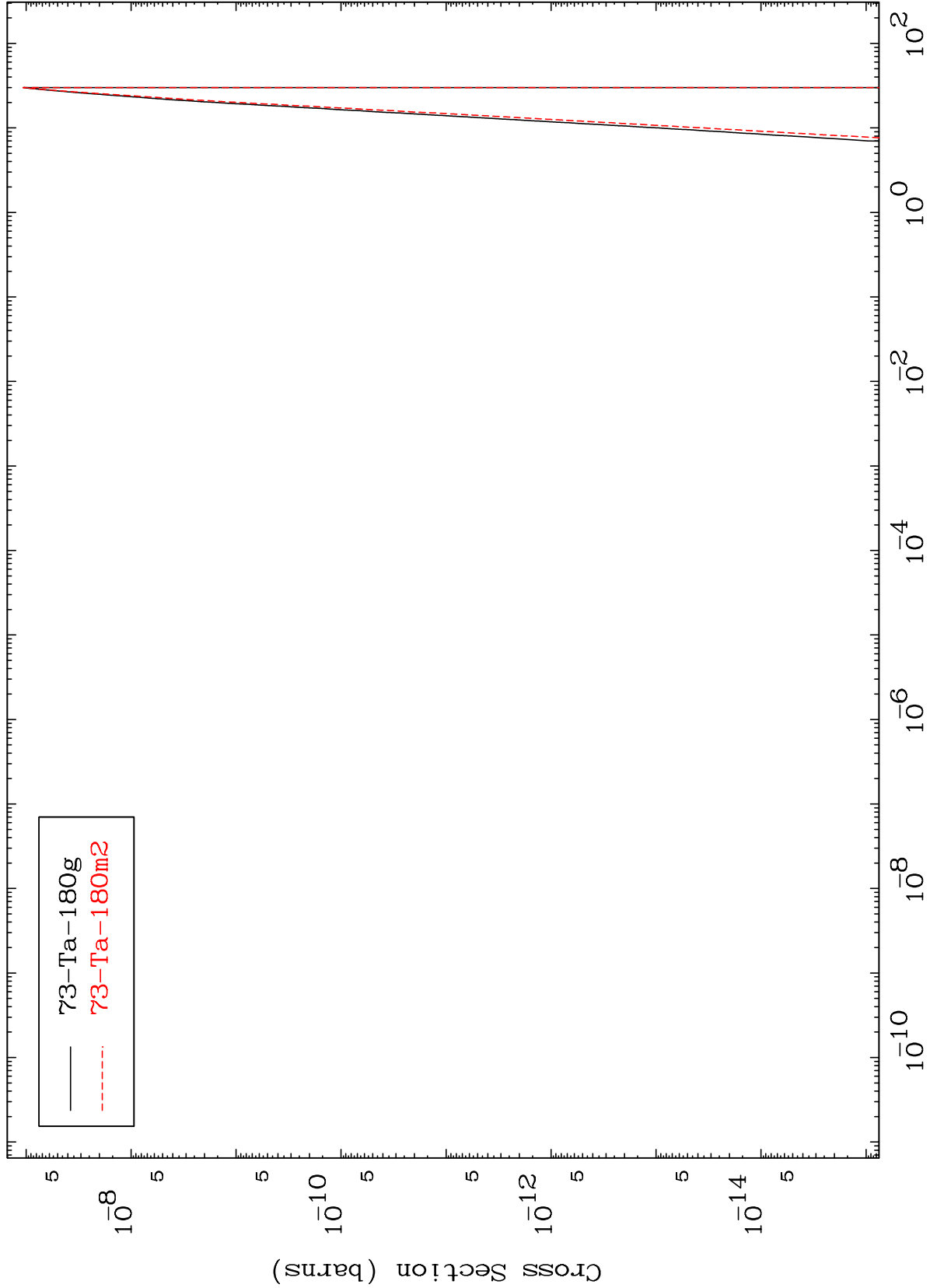


MAT 7713

(n,2α)

77-Ir-187

Radionuclide Production Cross Section



128

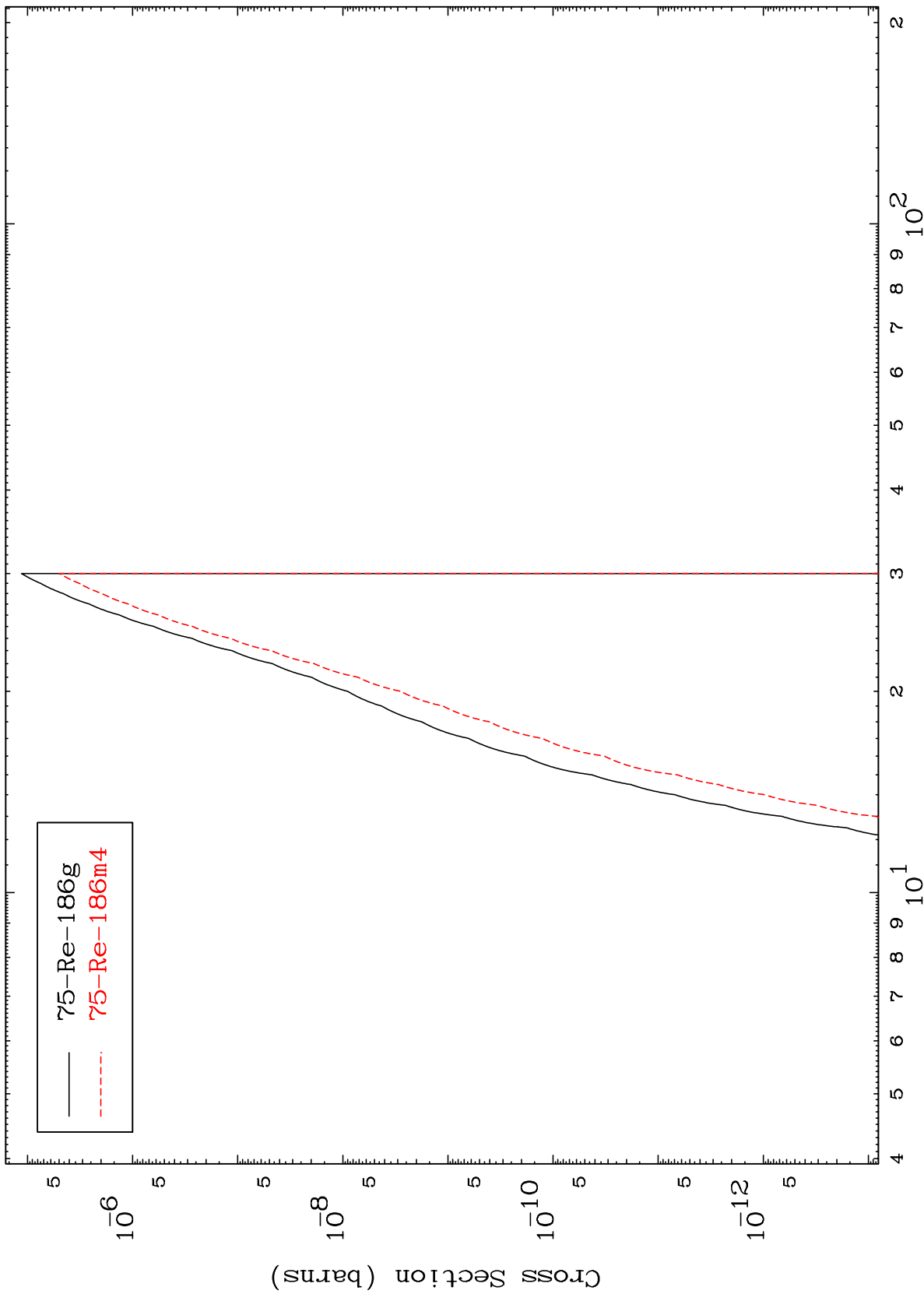
Incident Energy (MeV)

77-Ir-187

MAT 7713

<sup>77</sup>Ir-187

(n,2p)  
Radionuclide Production Cross Section



— 75-Re-186g  
- - - 75-Re-186m4

129

Incident Energy (MeV)

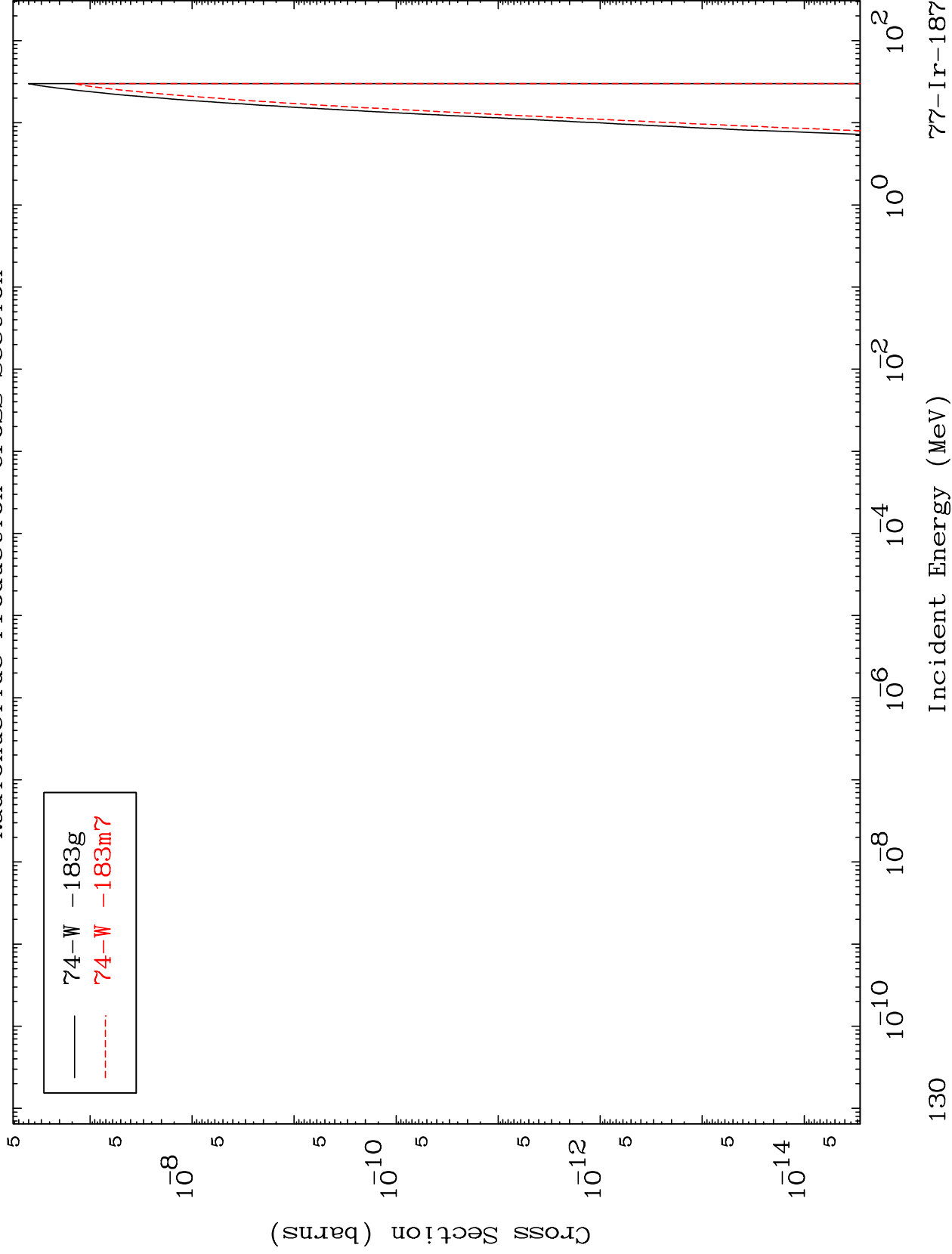
<sup>77</sup>Ir-187

MAT 7713

(n,p)  $\alpha$

<sup>77</sup>Ir-187

Radionuclide Production Cross Section

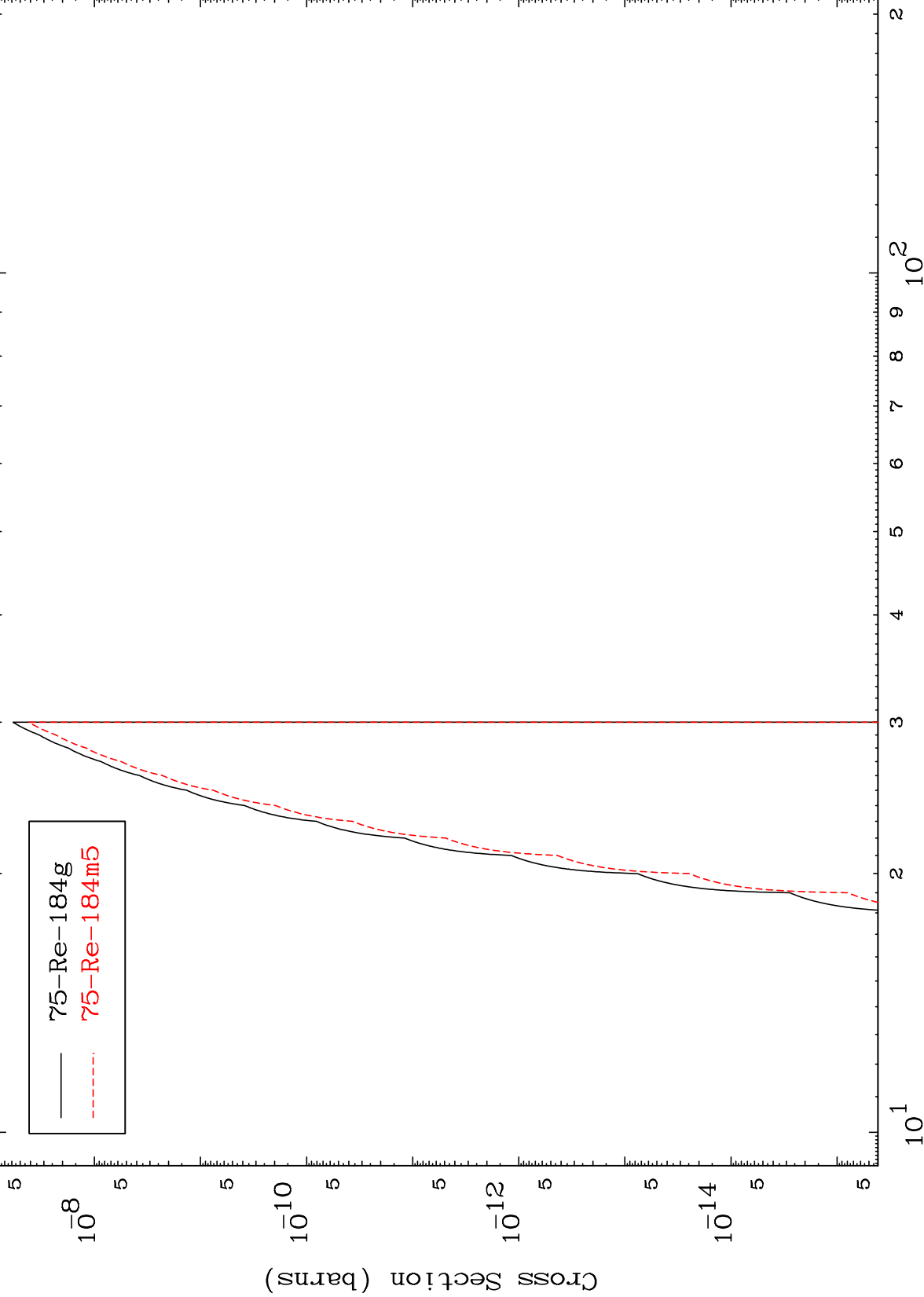


MAT 7713

(n,p) t

<sup>77</sup>Ir-187

Radionuclide Production Cross Section



Incident Energy (MeV)

<sup>77</sup>Ir-187

131