

Program EVALPLOT  
(Version 2017-1)

by

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(Present Contact Information)

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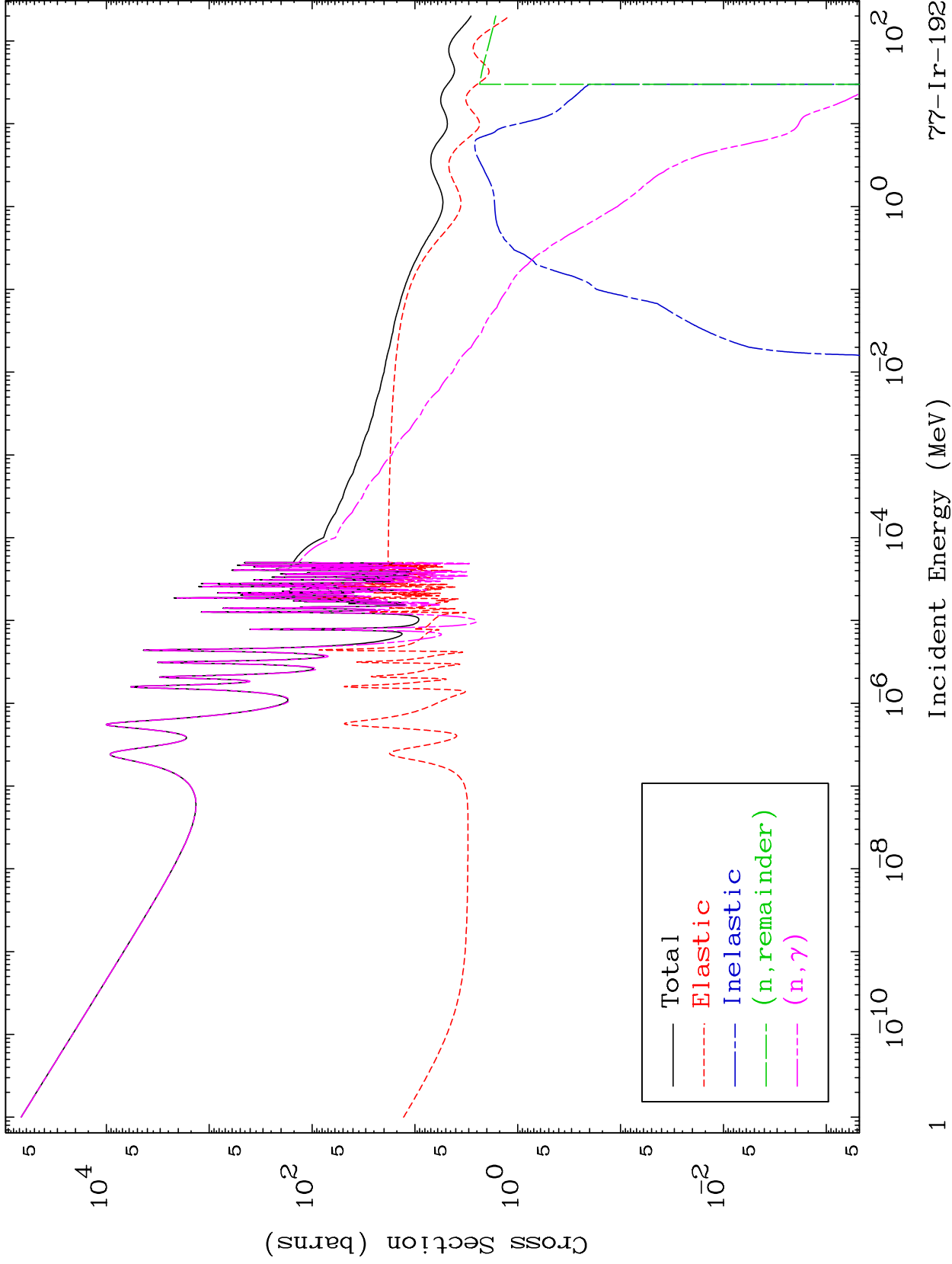
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7728

Major  
293 Kelvin Cross Sections

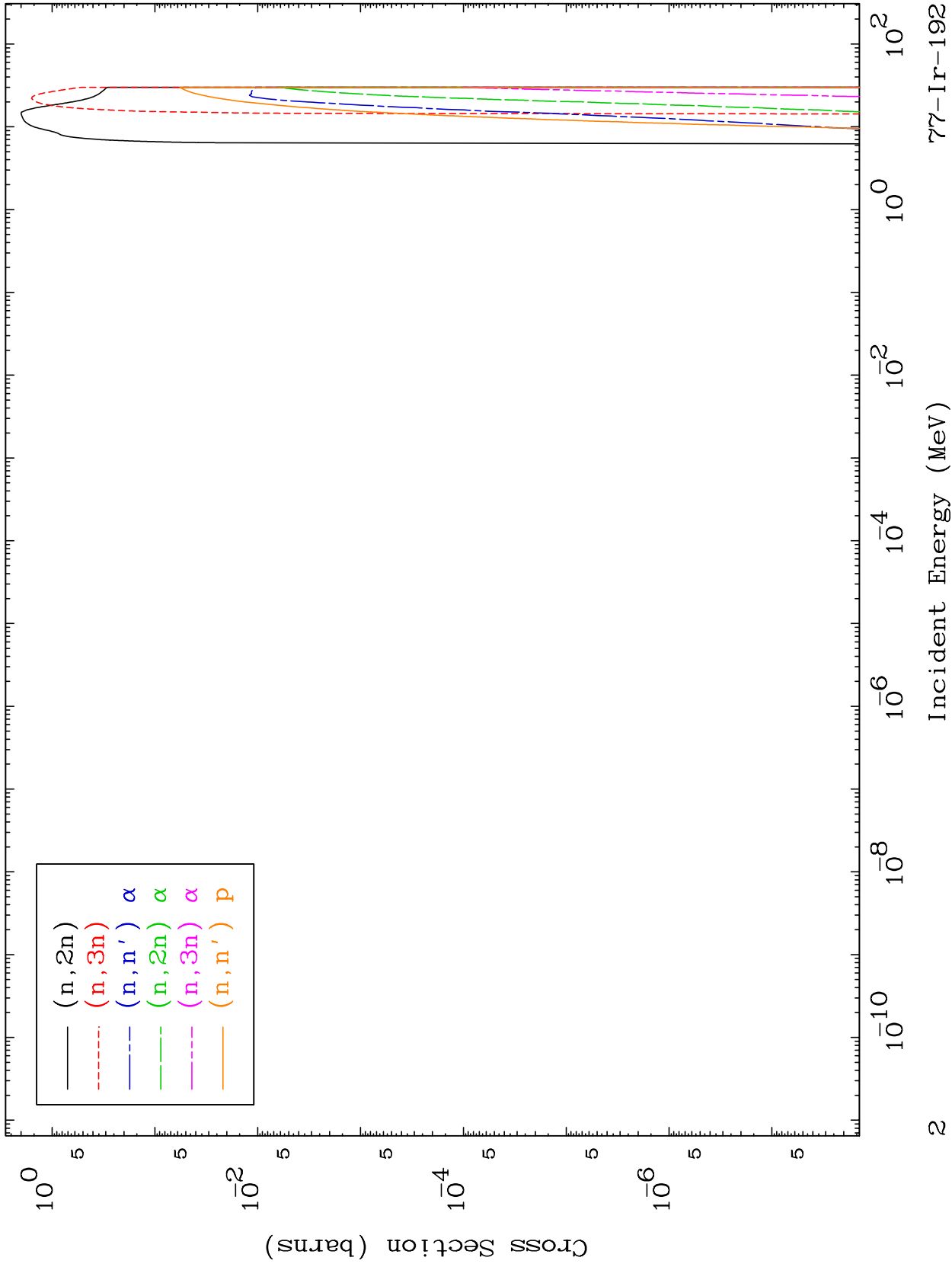
77-Ir-192

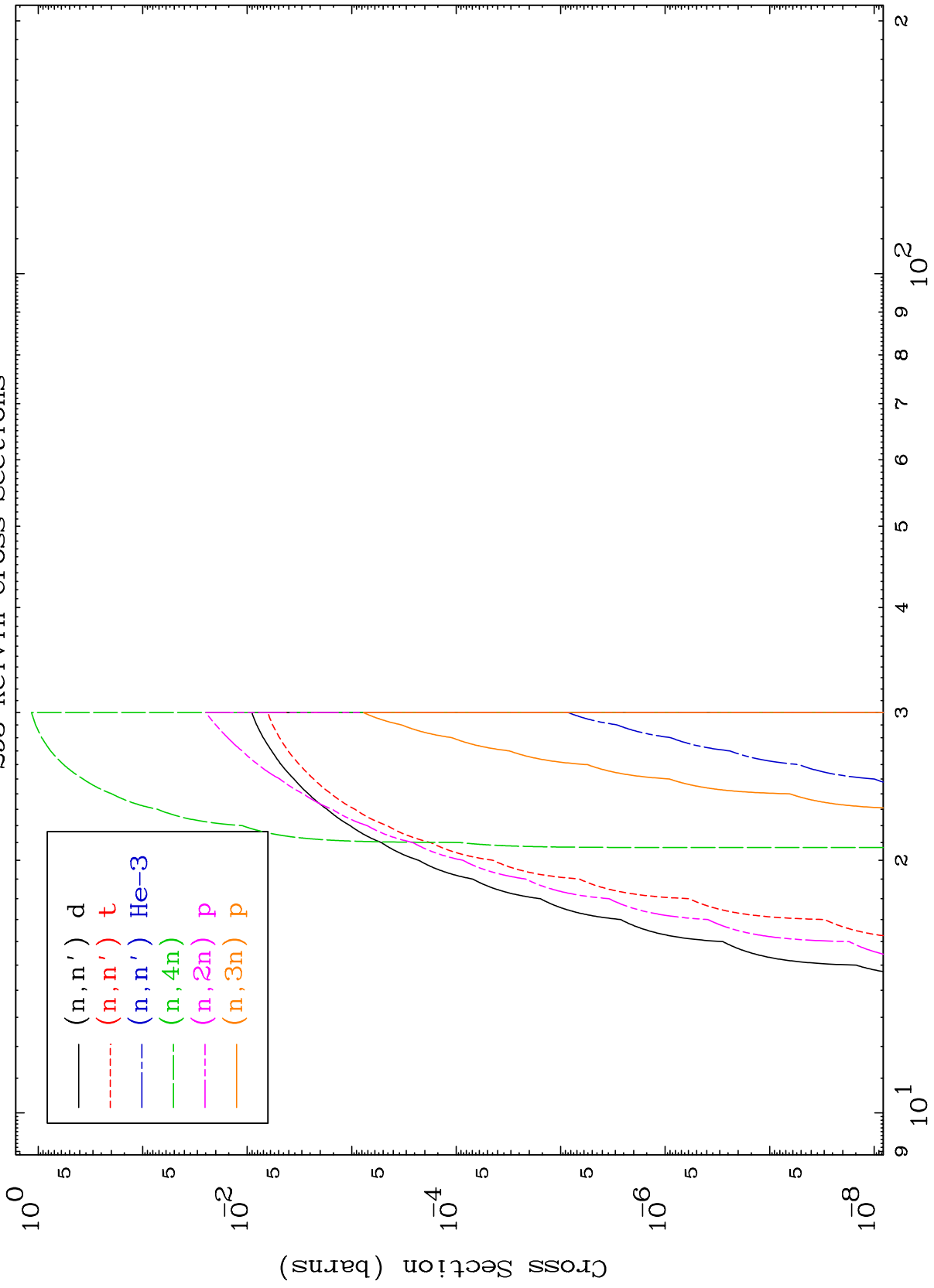


MAT 7728

Neutron Production  
293 Kelvin Cross Sections

77-Ir-192

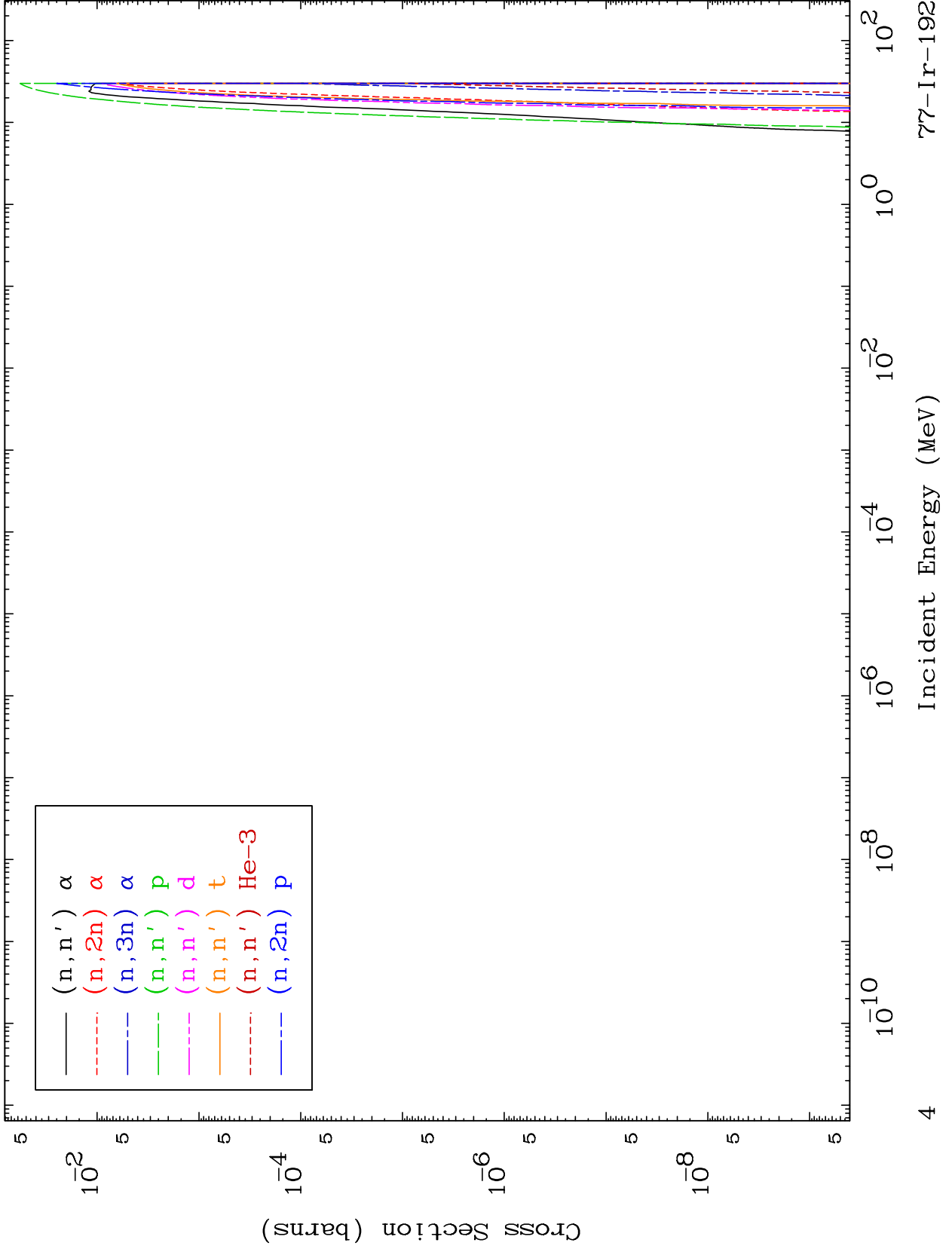




MAT 7728

Charged Particle  
293 Kelvin Cross Sections

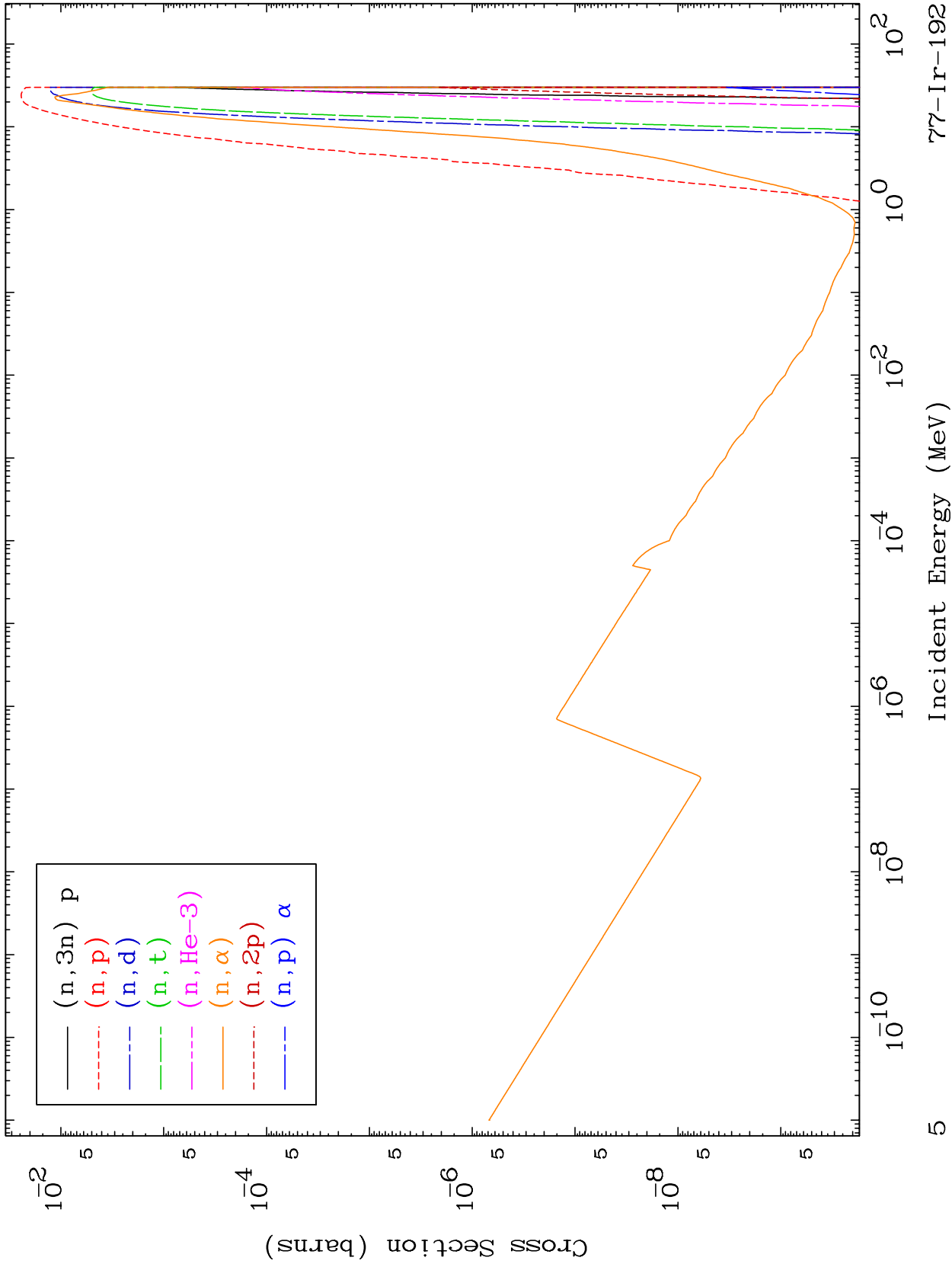
77-Ir-192



MAT 7728

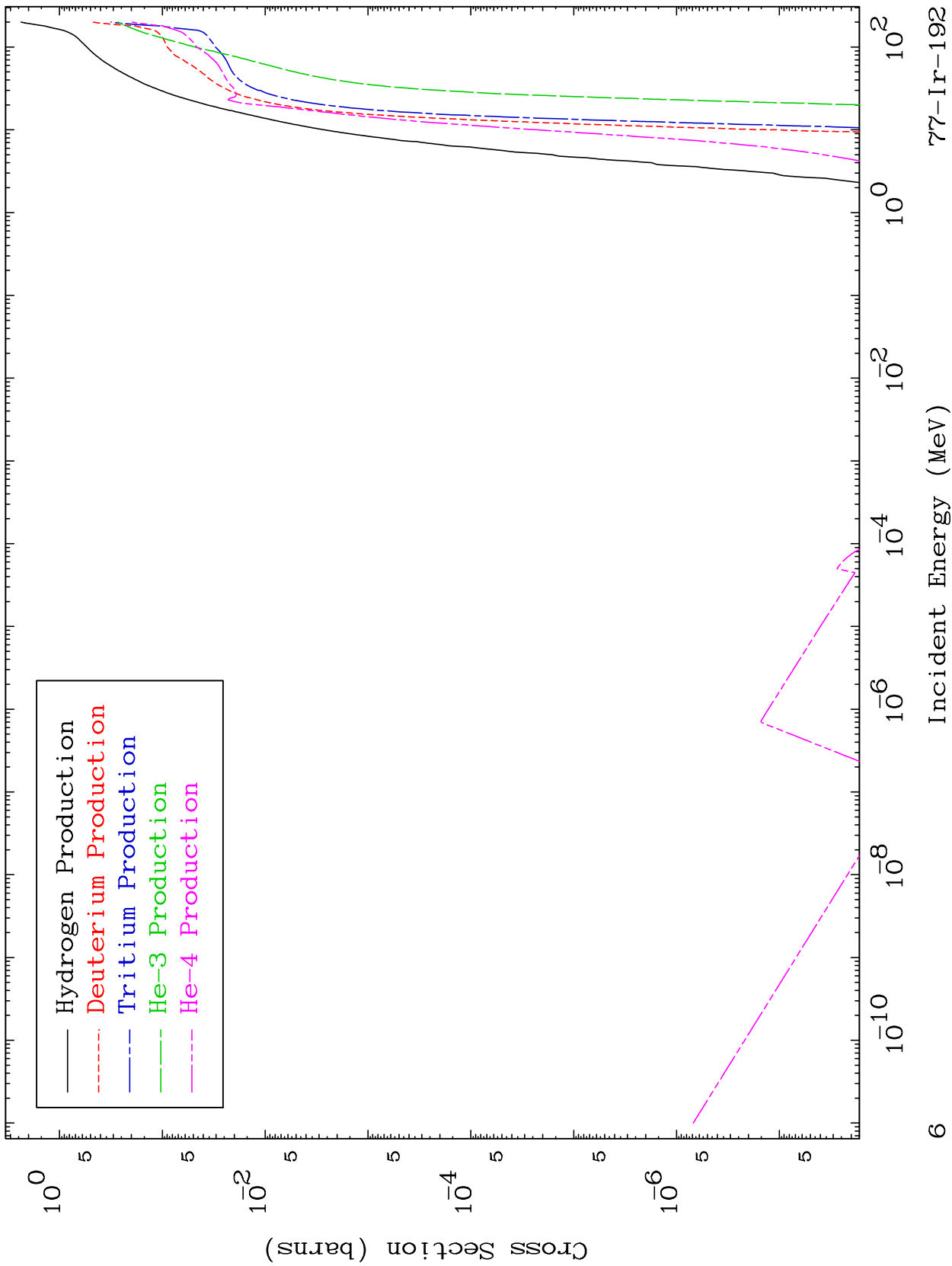
Charged Particle  
293 Kelvin Cross Sections

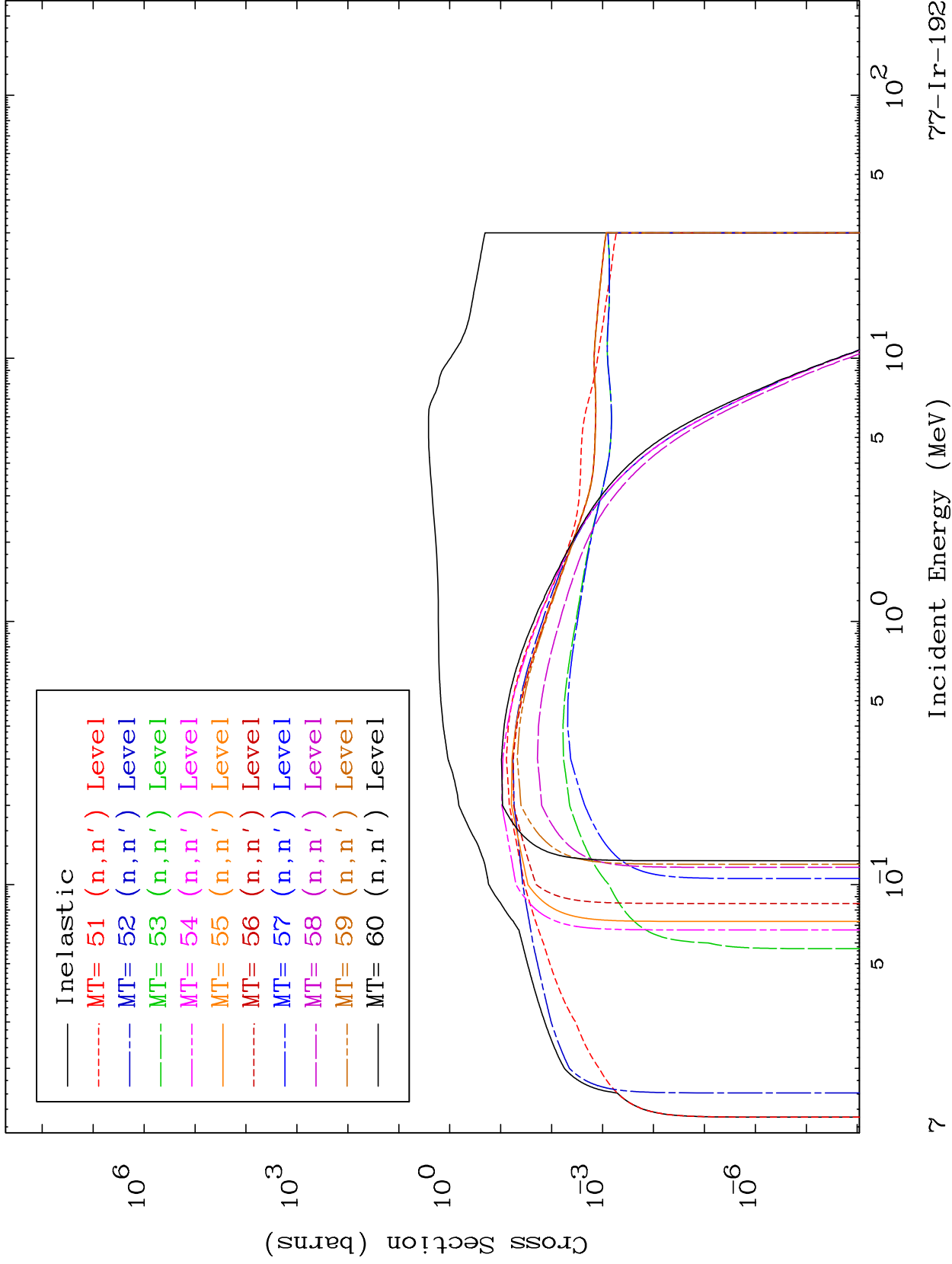
77-Ir-192



5

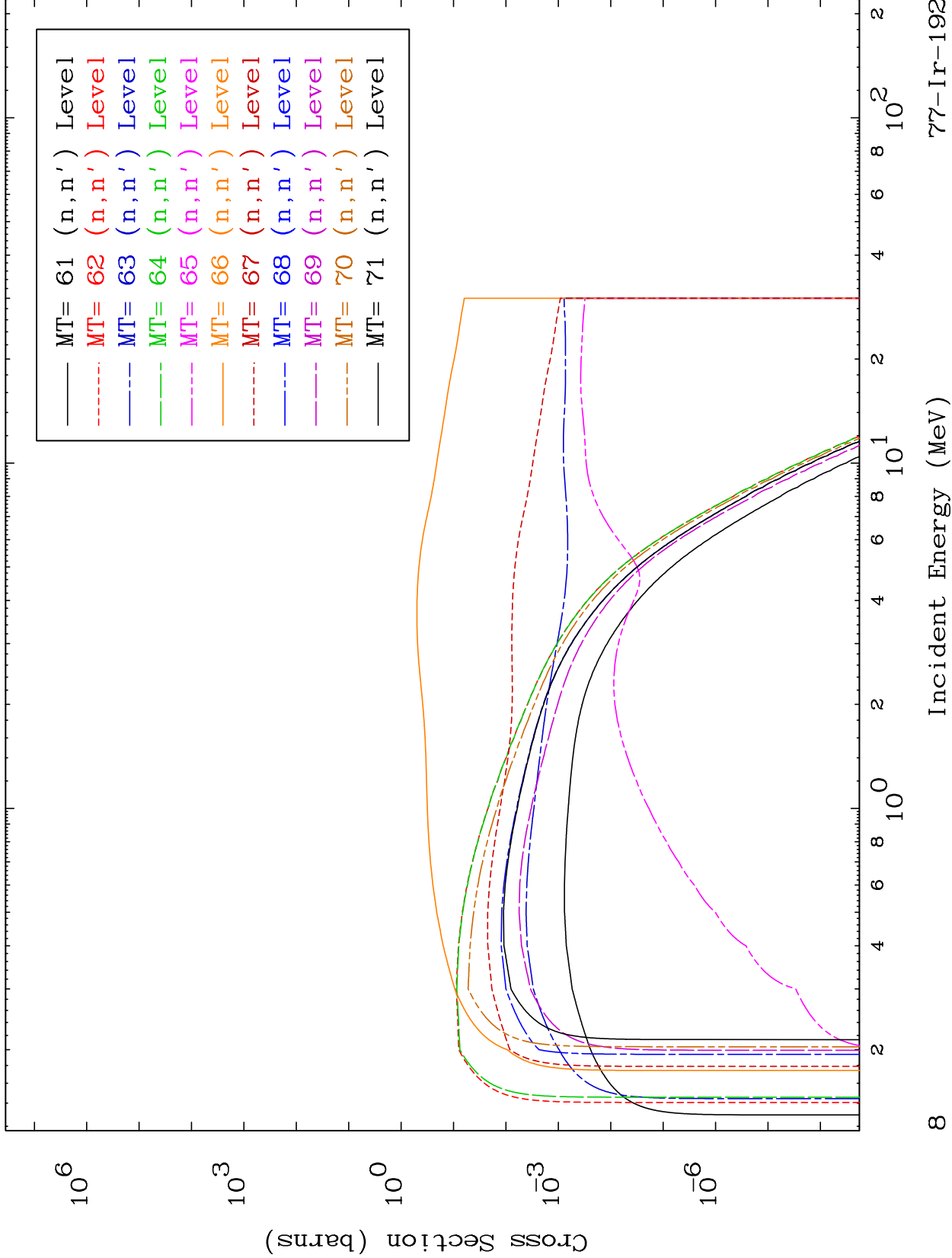
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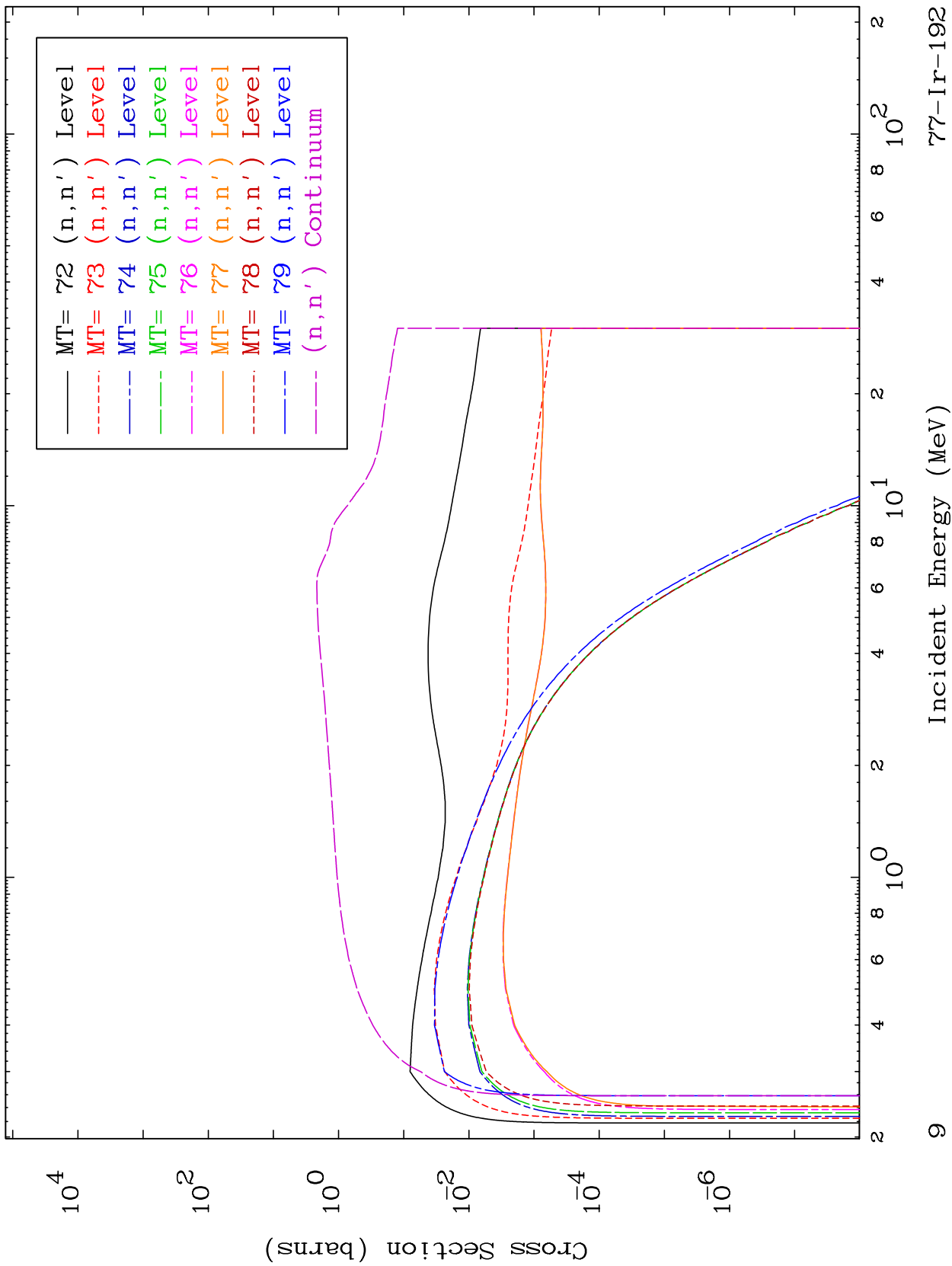






293 Kelvin Cross Sections

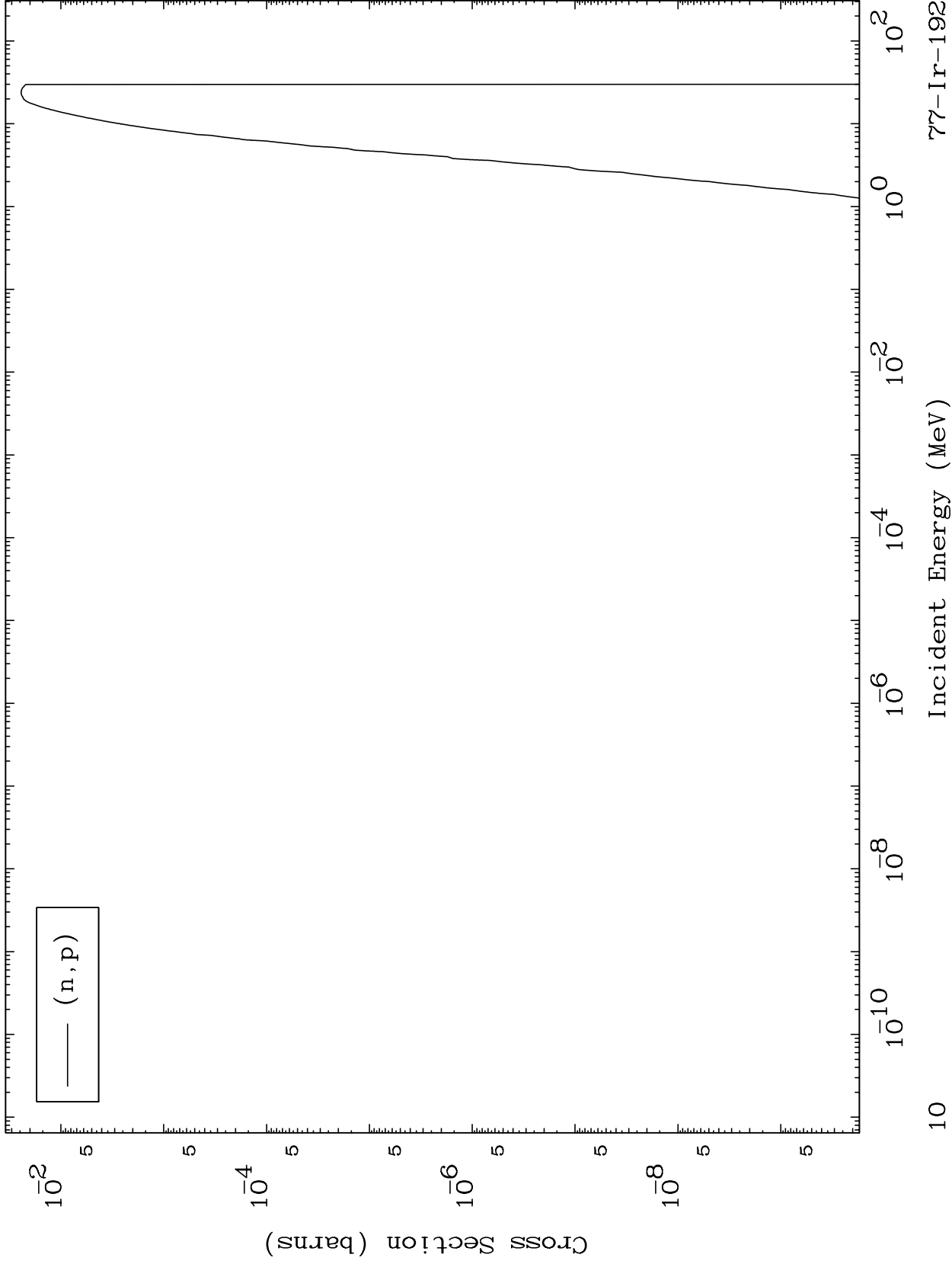




MAT 7728

(n,p) Levels  
293 Kelvin Cross Sections

77-Ir-192



10

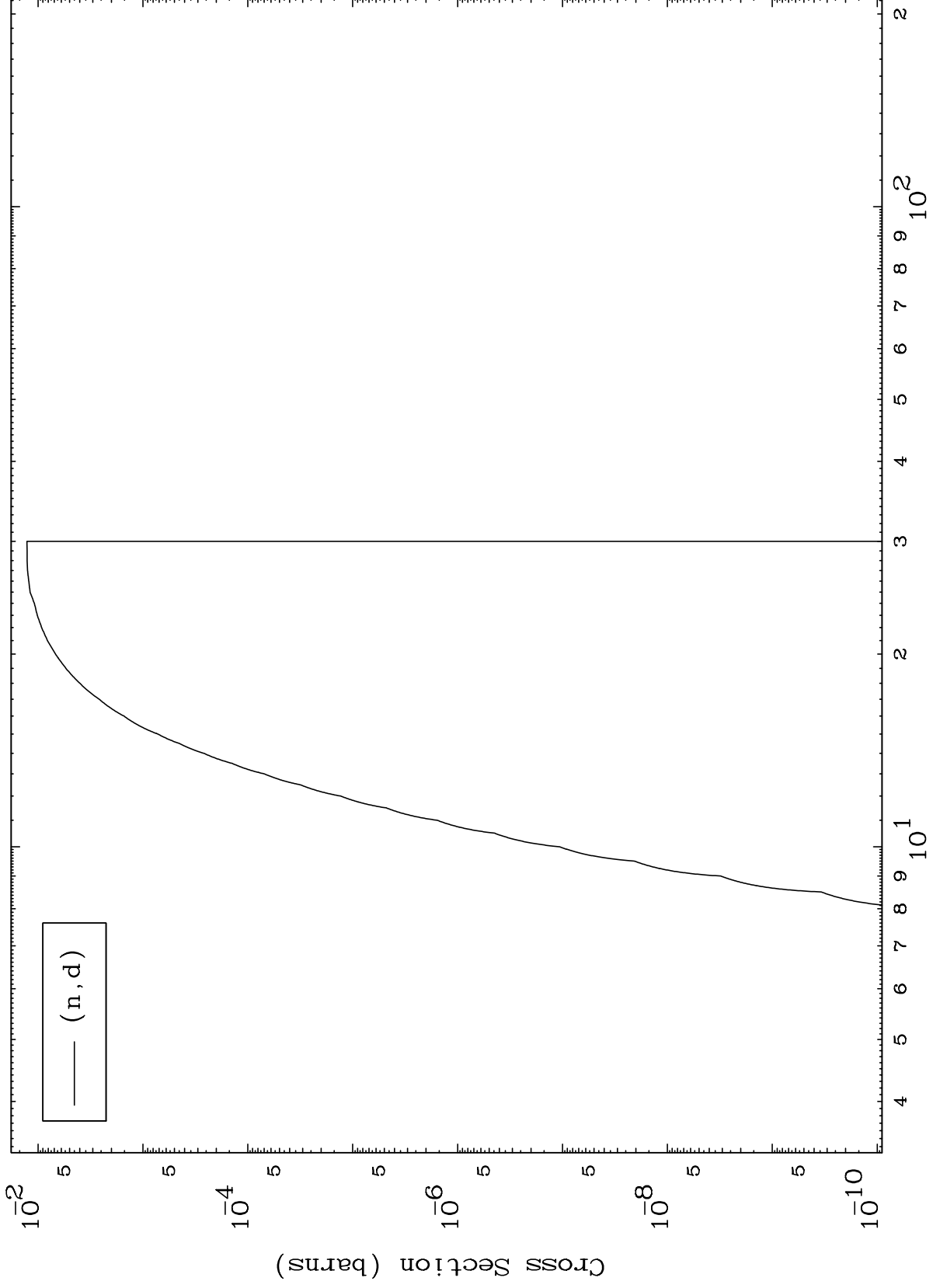
Incident Energy (MeV)

77-Ir-192

MAT 7728

(n,d) Levels  
293 Kelvin Cross Sections

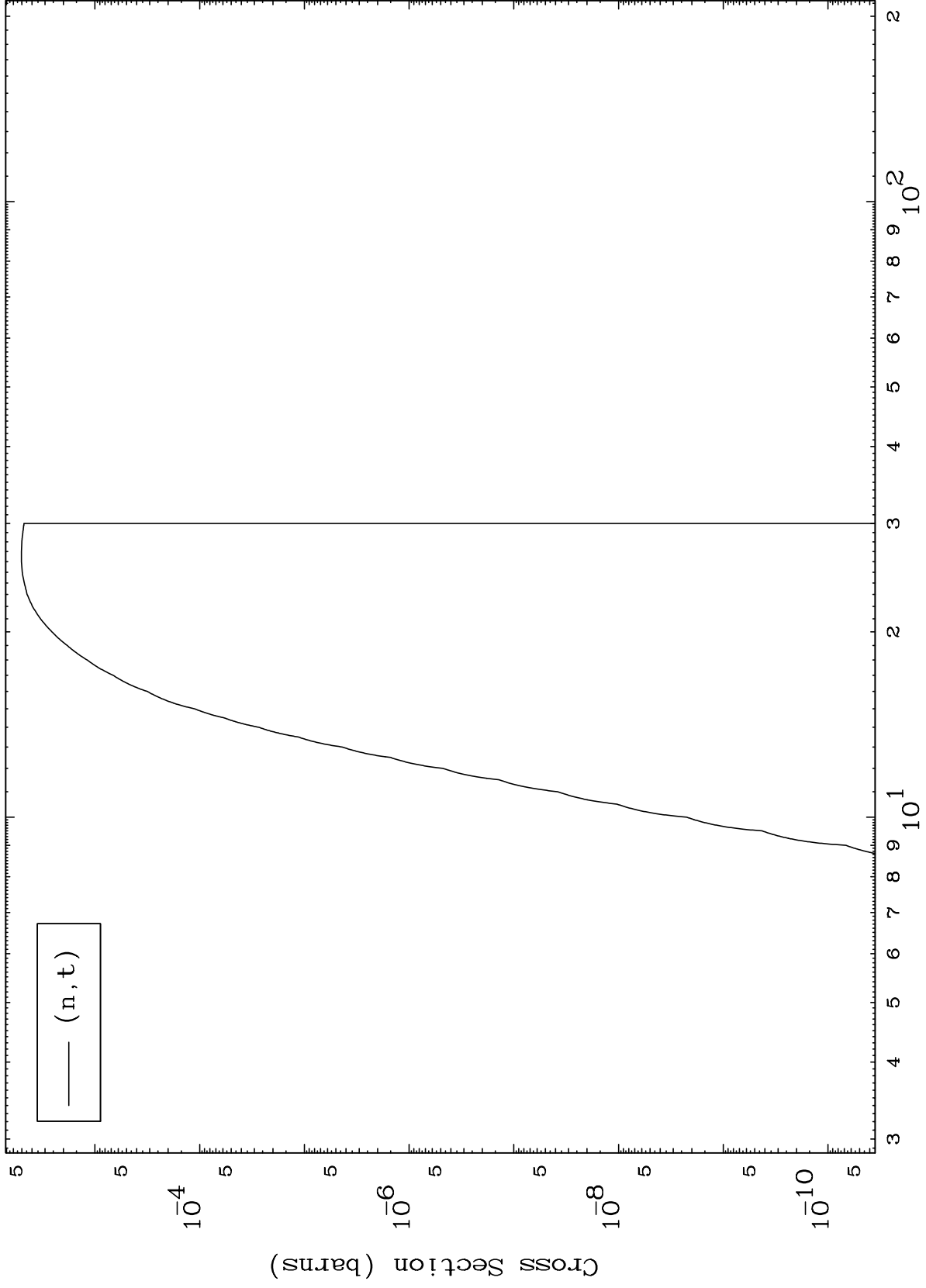
77-Ir-192



MAT 7728

(n,t) Levels  
293 Kelvin Cross Sections

77-Ir-192



12

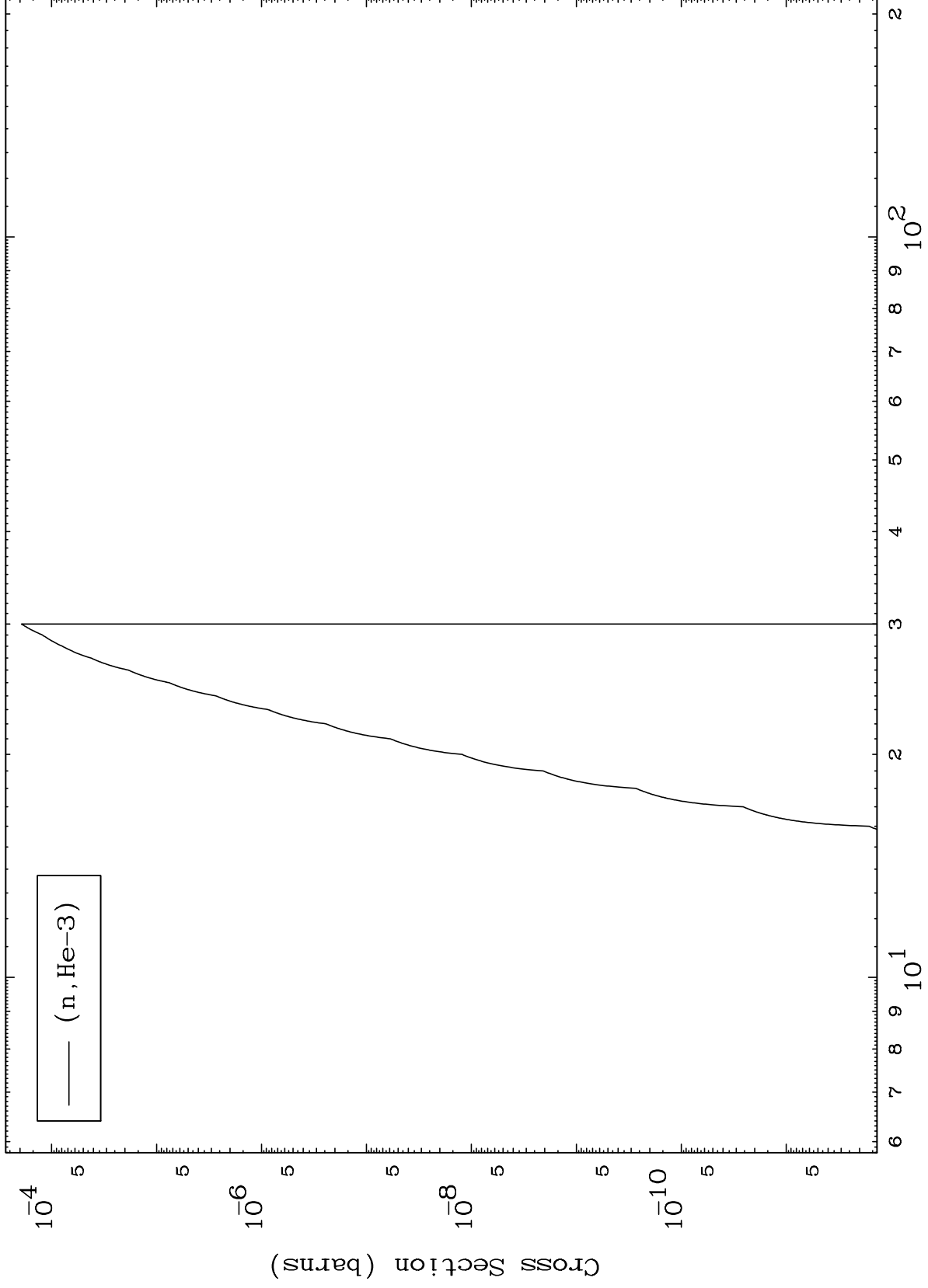
Incident Energy (MeV)

77-Ir-192

MAT 7728

(n,He3) Levels  
293 Kelvin Cross Sections

77-Ir-192



(n, He-3)

13

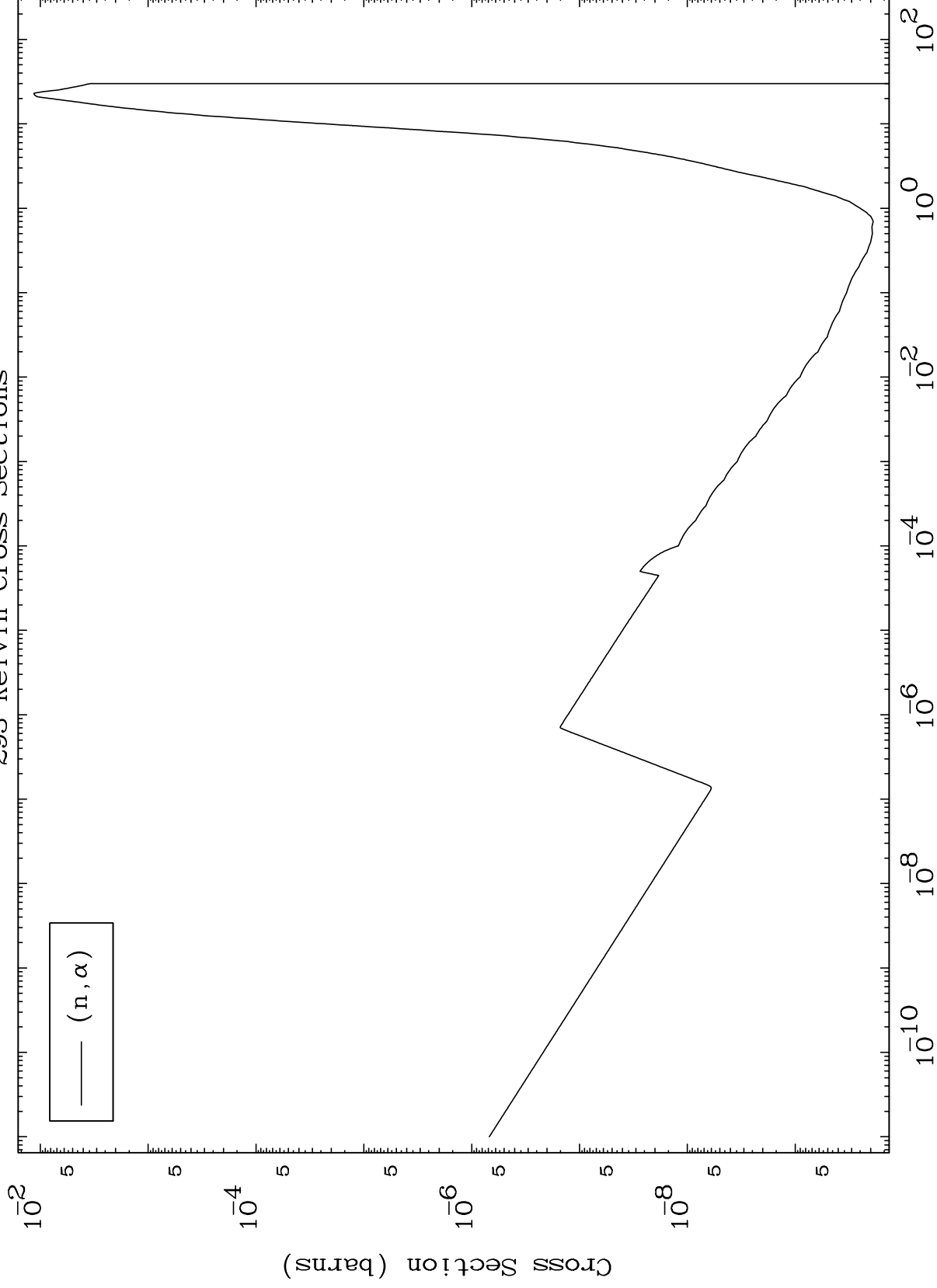
Incident Energy (MeV)

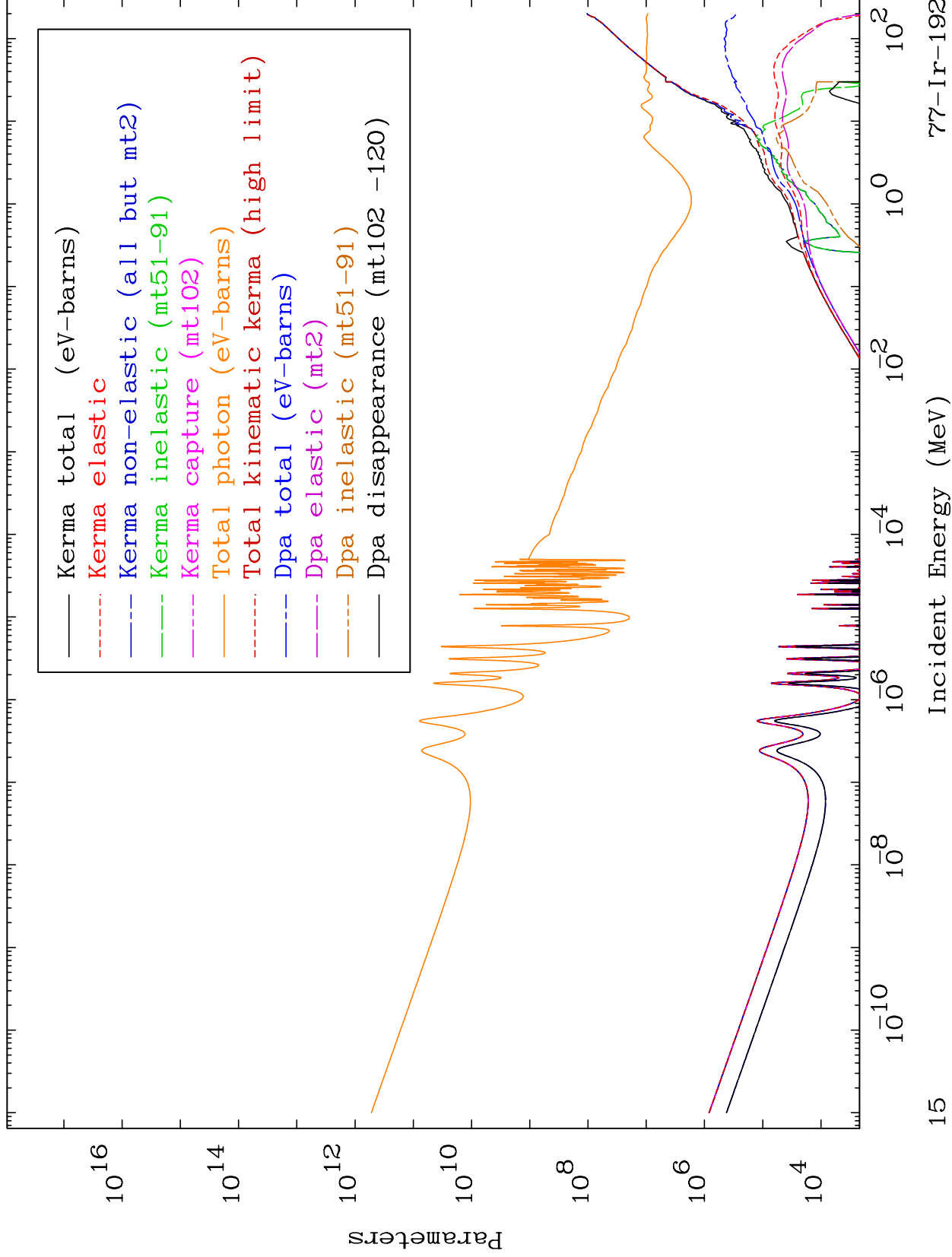
77-Ir-192

MAT 7728

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

77-Ir-192



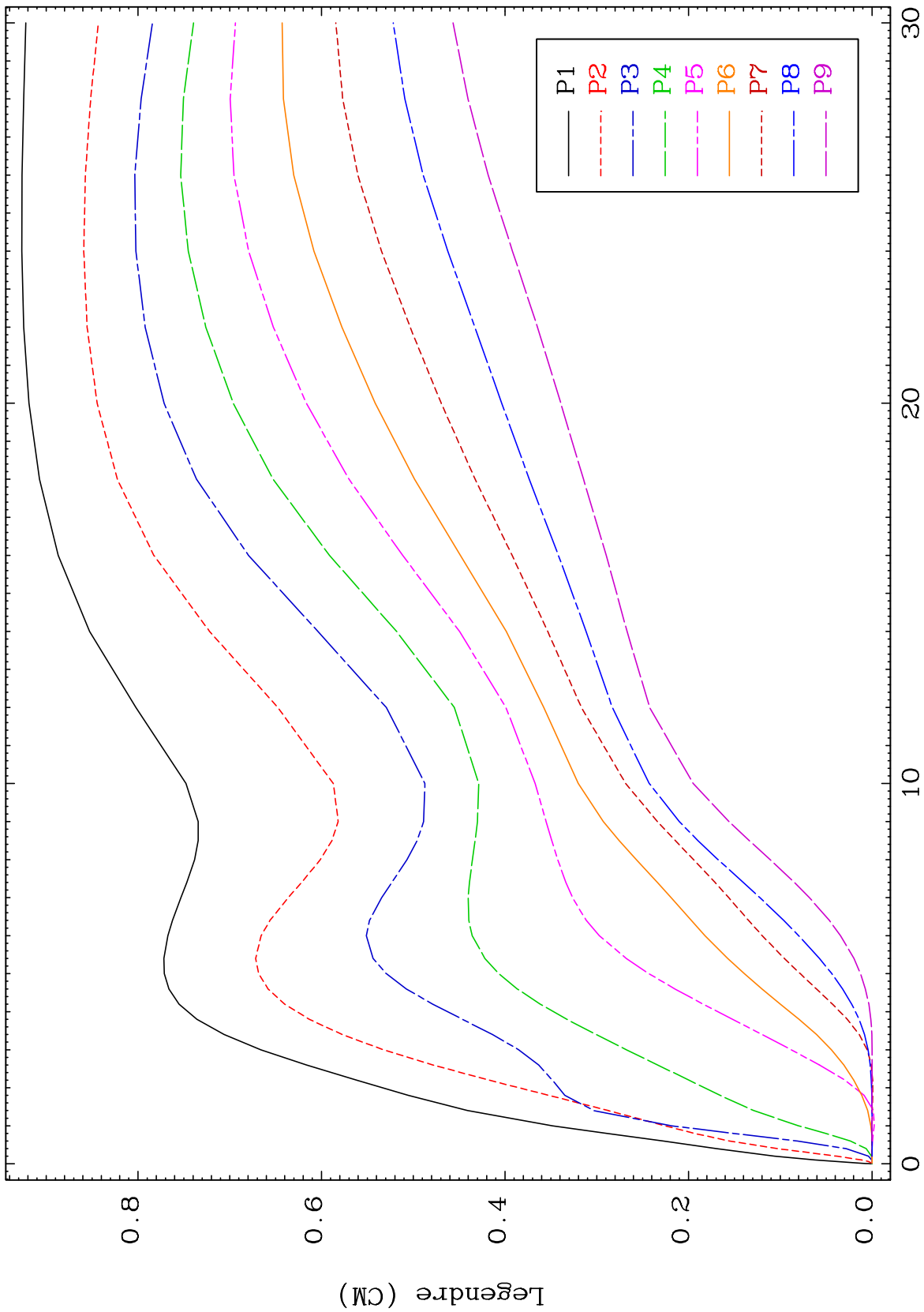




MAT 7728

77-Ir-192

Elastic Legendre Coefficients



16

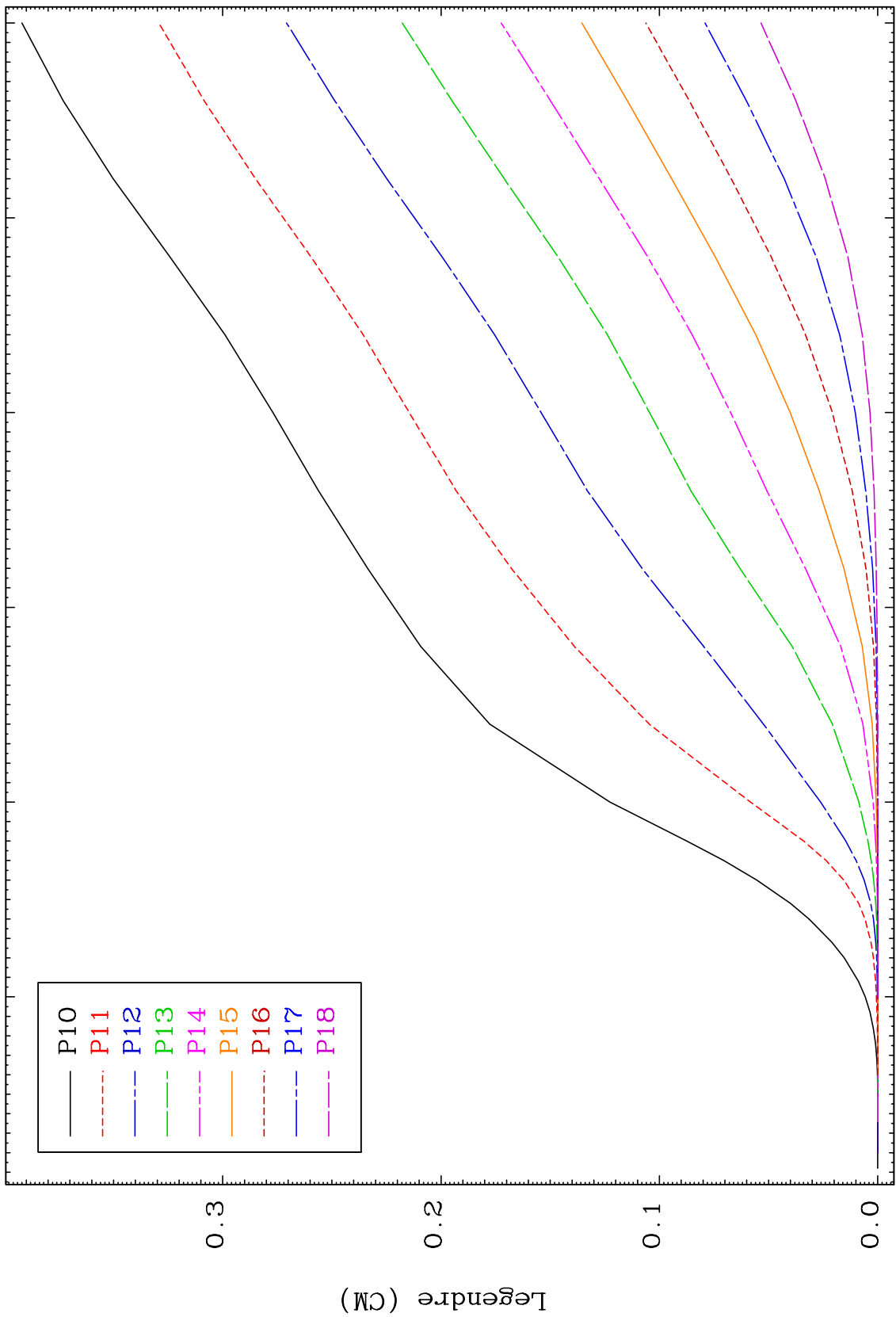
Incident Energy (MeV)

77-Ir-192

MAT 7728

Elastic Legendre Coefficients

77-Ir-192



17

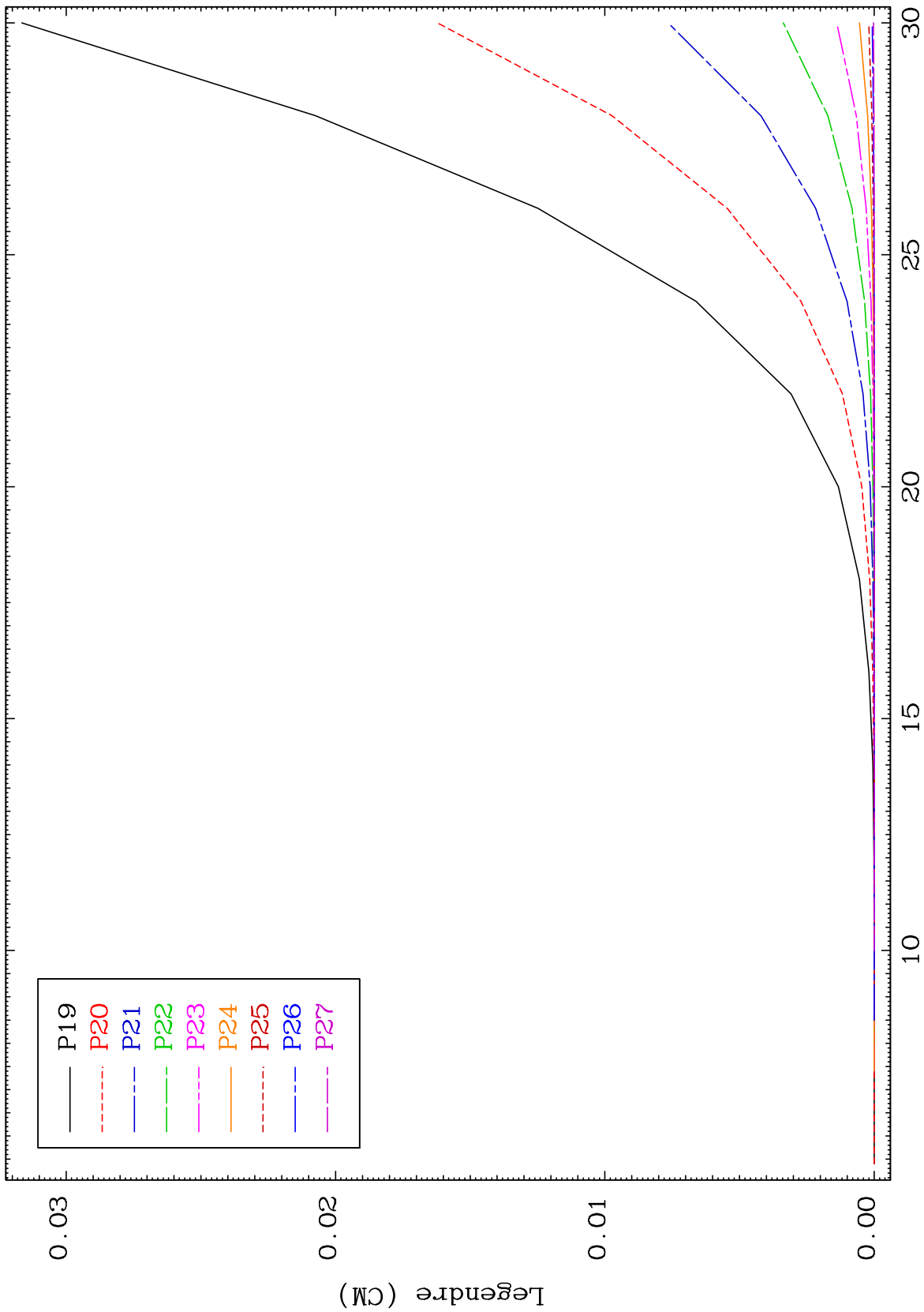
Incident Energy (MeV)

77-Ir-192

MAT 7728

Elastic Legendre Coefficients

77-Ir-192



18

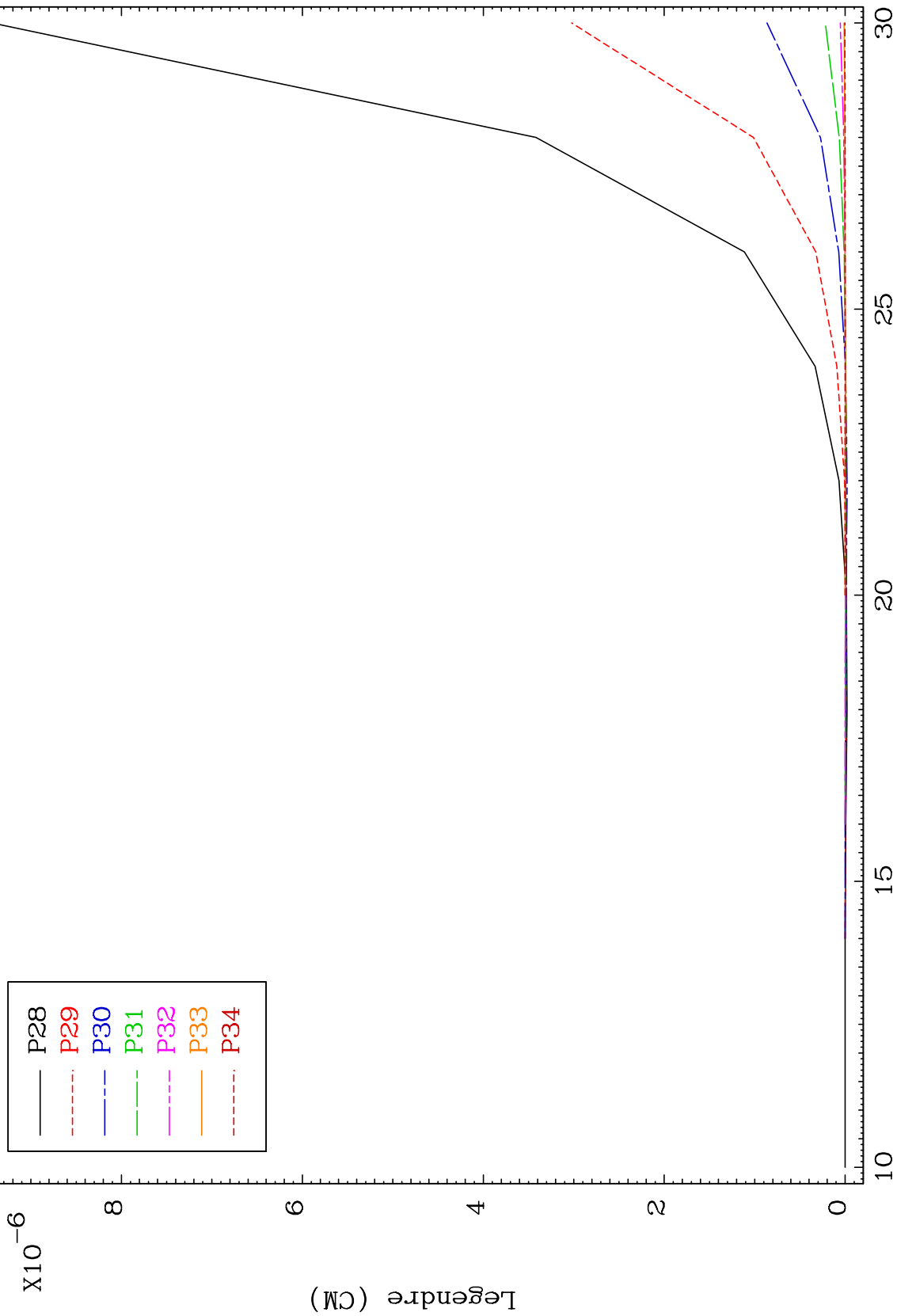
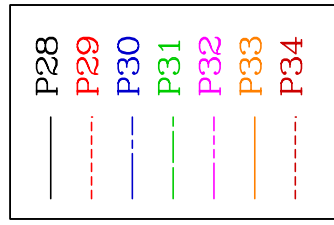
Incident Energy (MeV)

77-Ir-192

MAT 7728

Elastic  
Legendre Coefficients

77-Ir-192



19

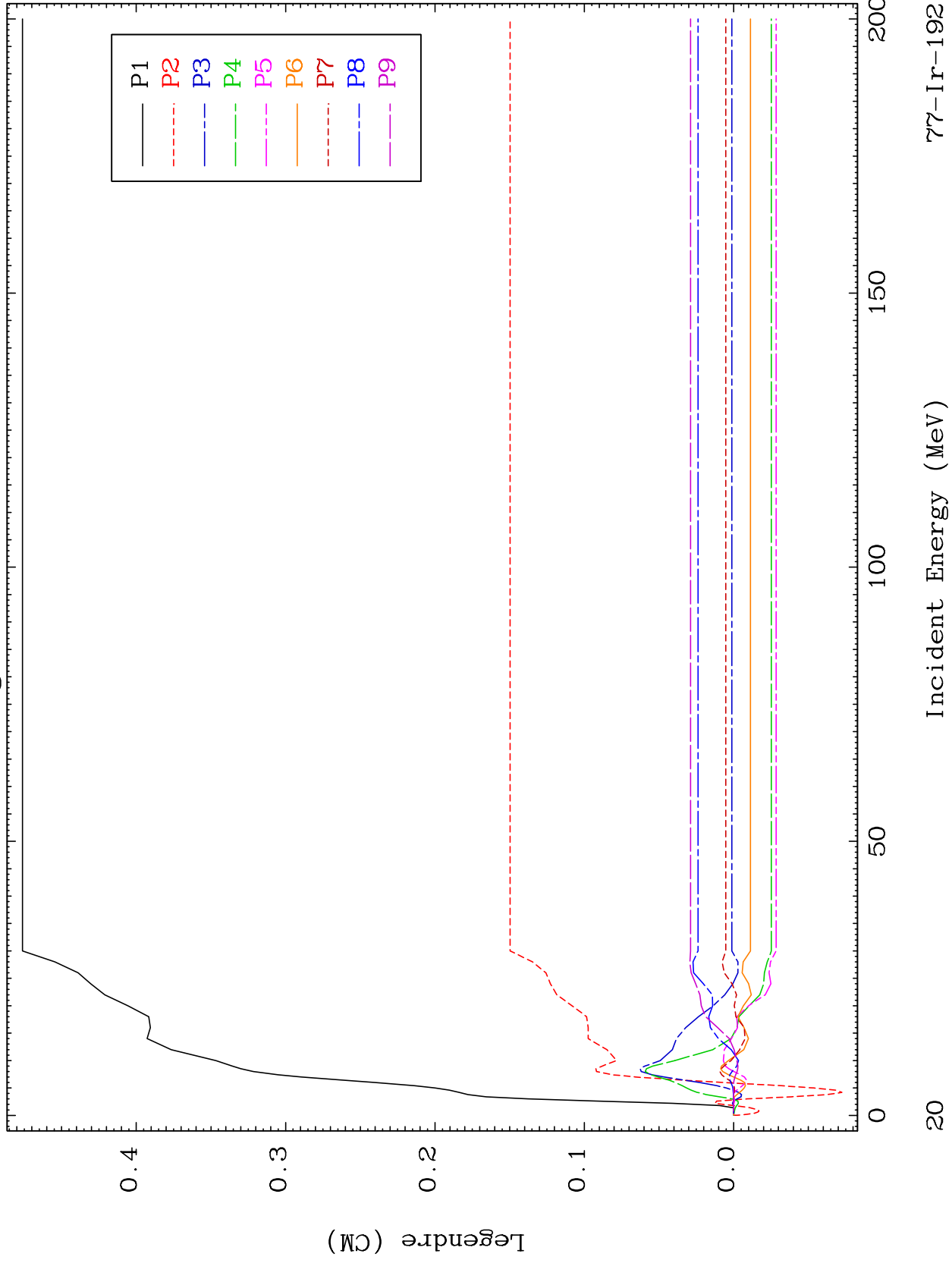
Incident Energy (MeV)

77-Ir-192

MAT 7728

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

77-Ir-192



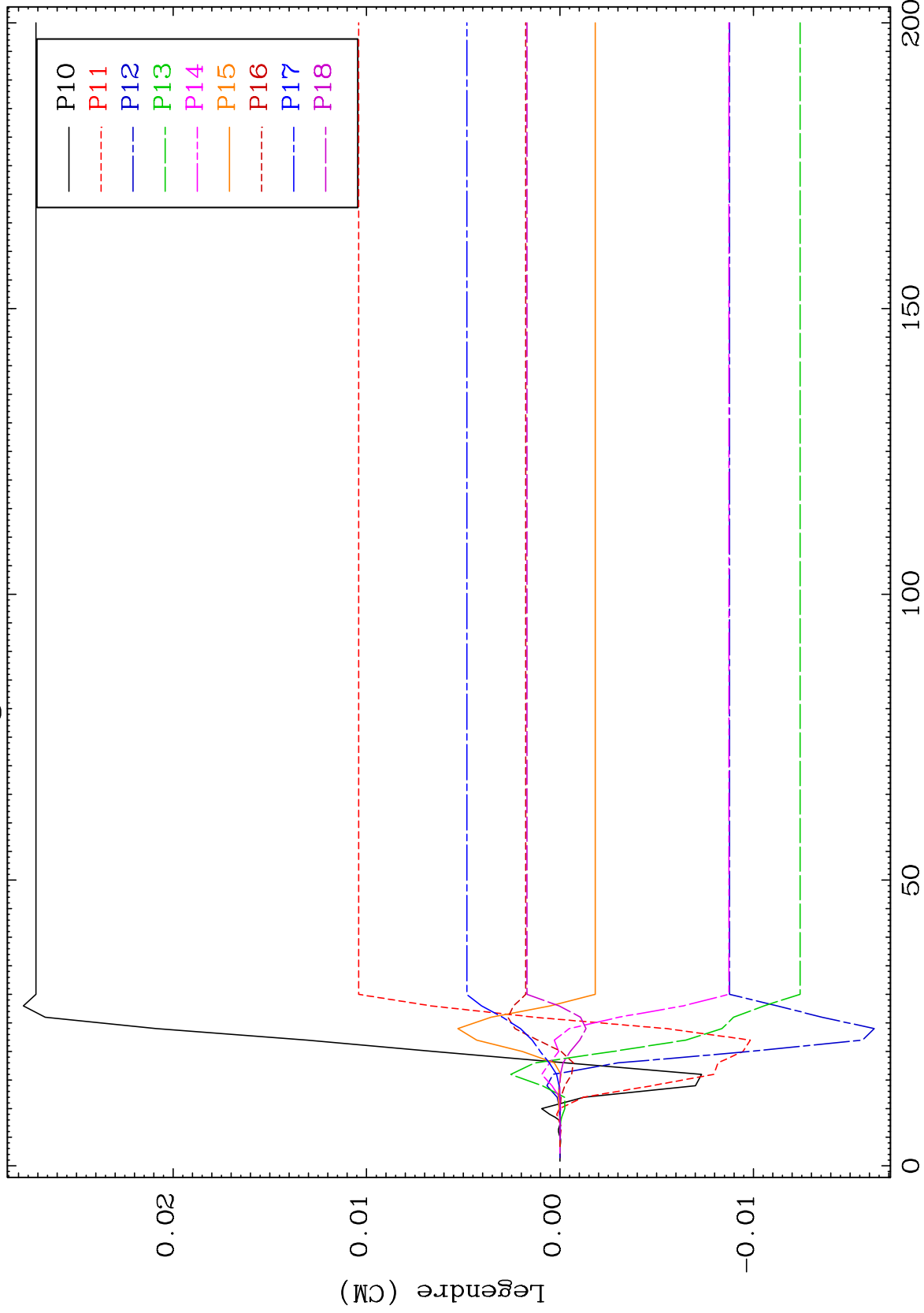
77-Ir-192

Incident Energy (MeV)

MAT 7728

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

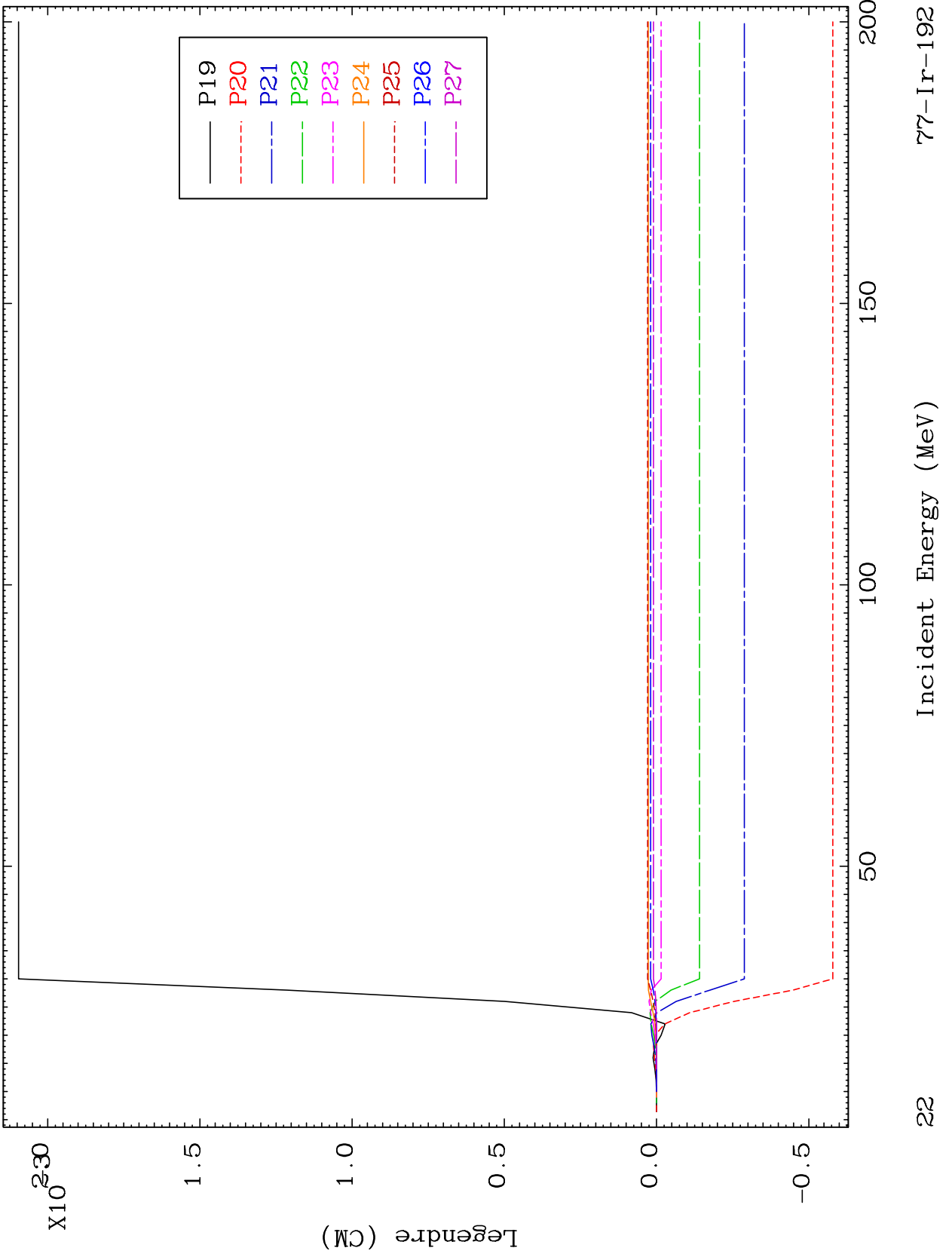
77-Ir-192



21

Incident Energy (MeV)

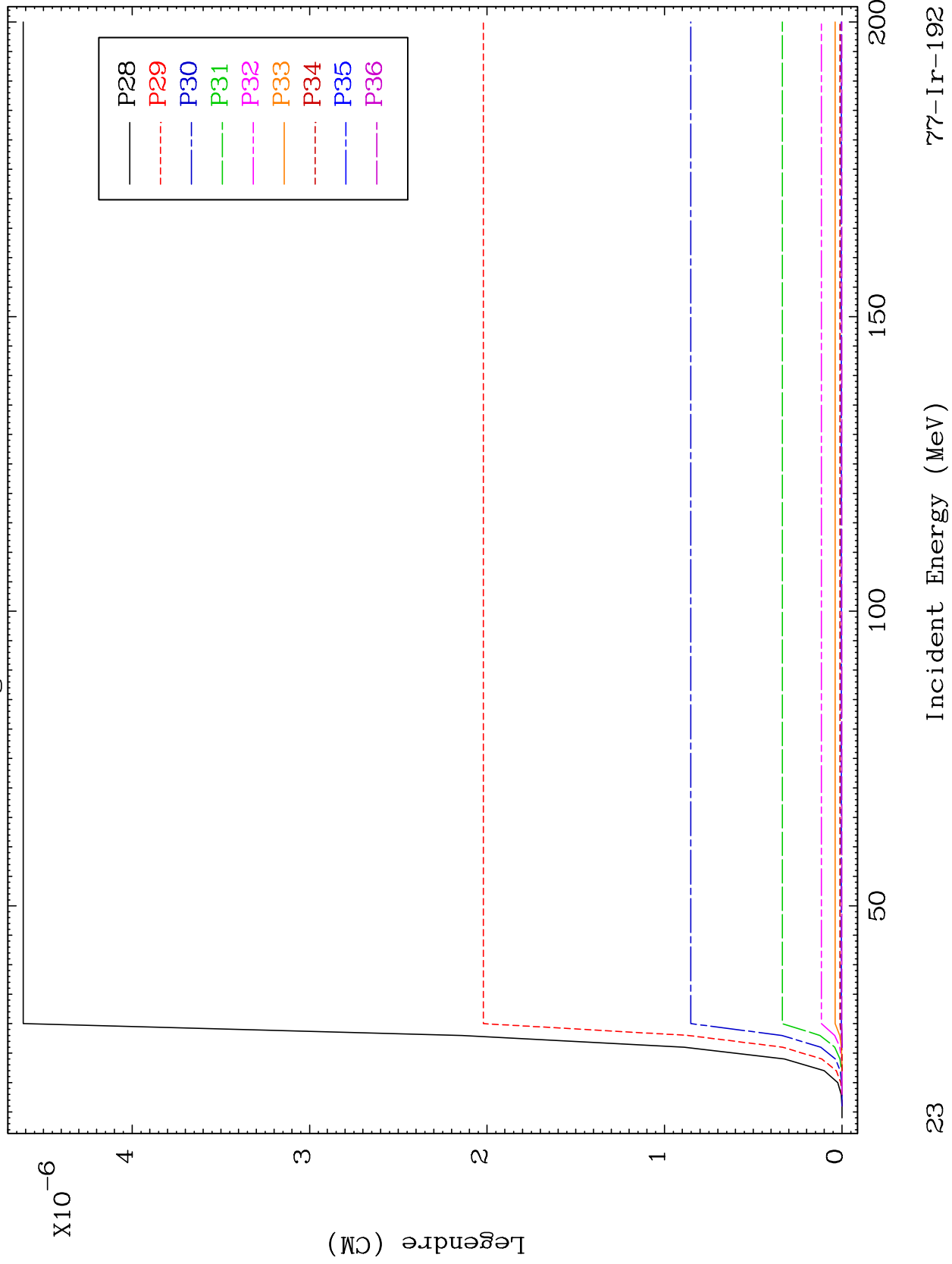
77-Ir-192



MAT 7728

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

77-Ir-192



23

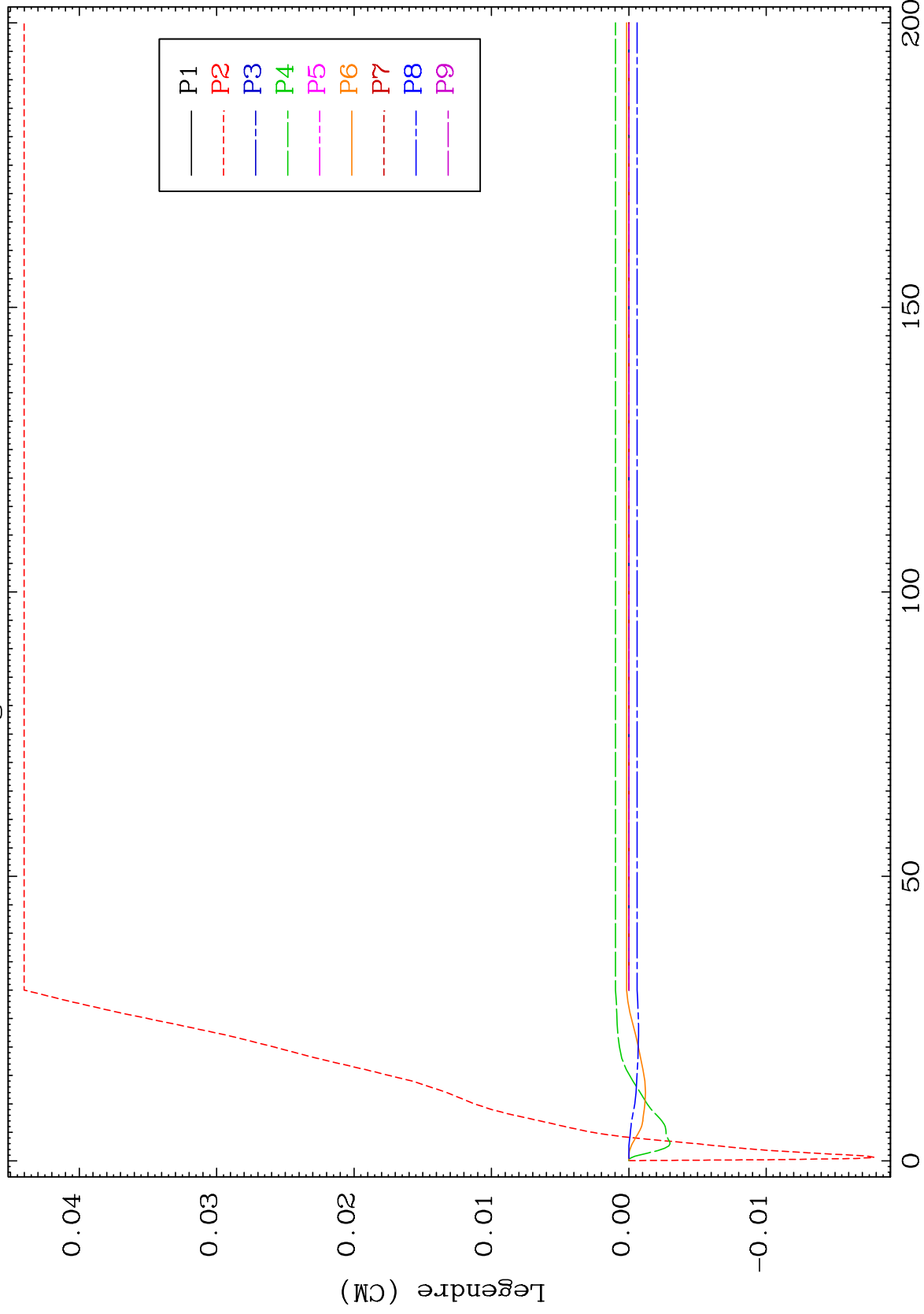
77-Ir-192



MAT 7728

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

77-Ir-192



24

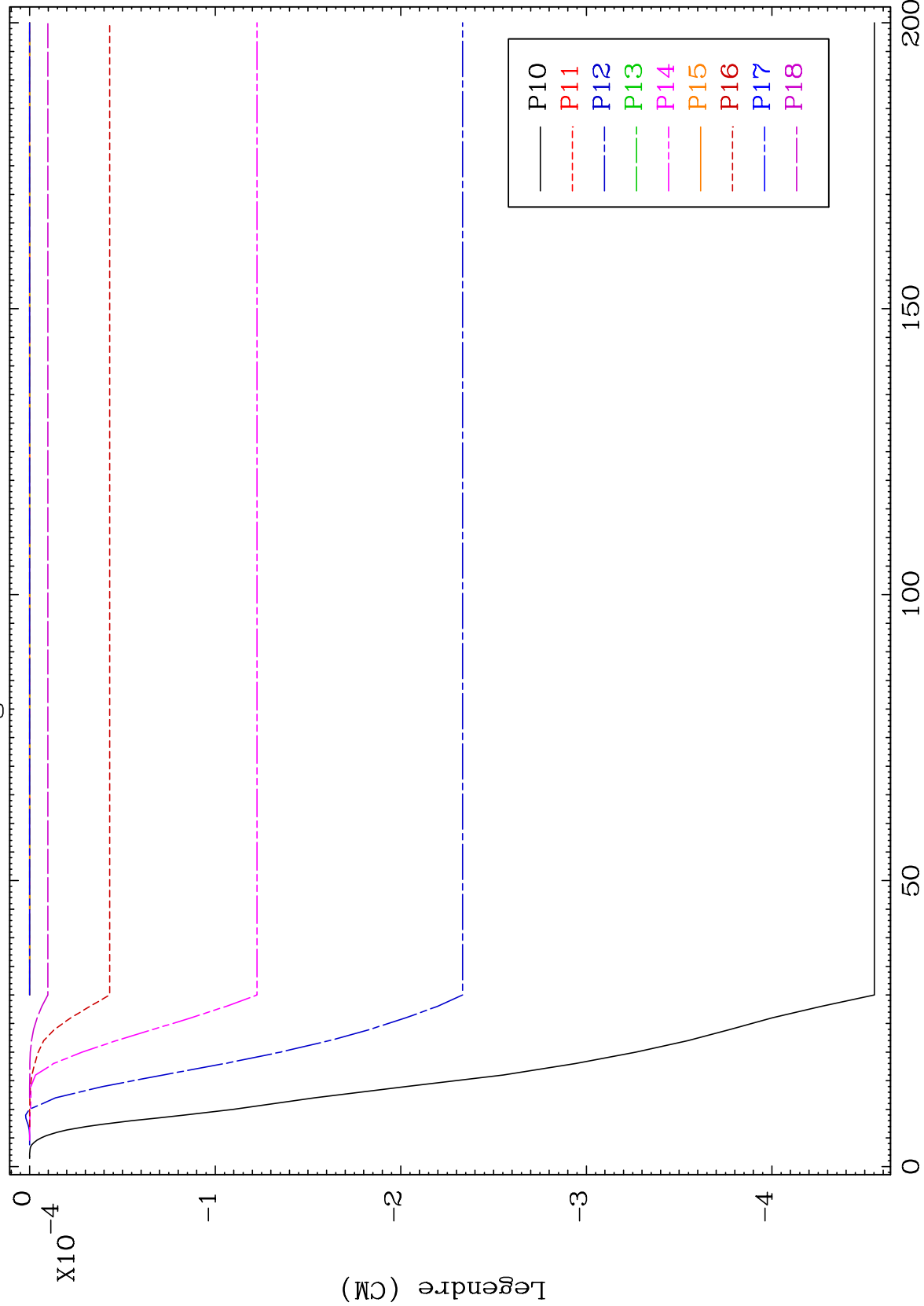
Incident Energy (MeV)

77-Ir-192

MAT 7728

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

77-Ir-192



25

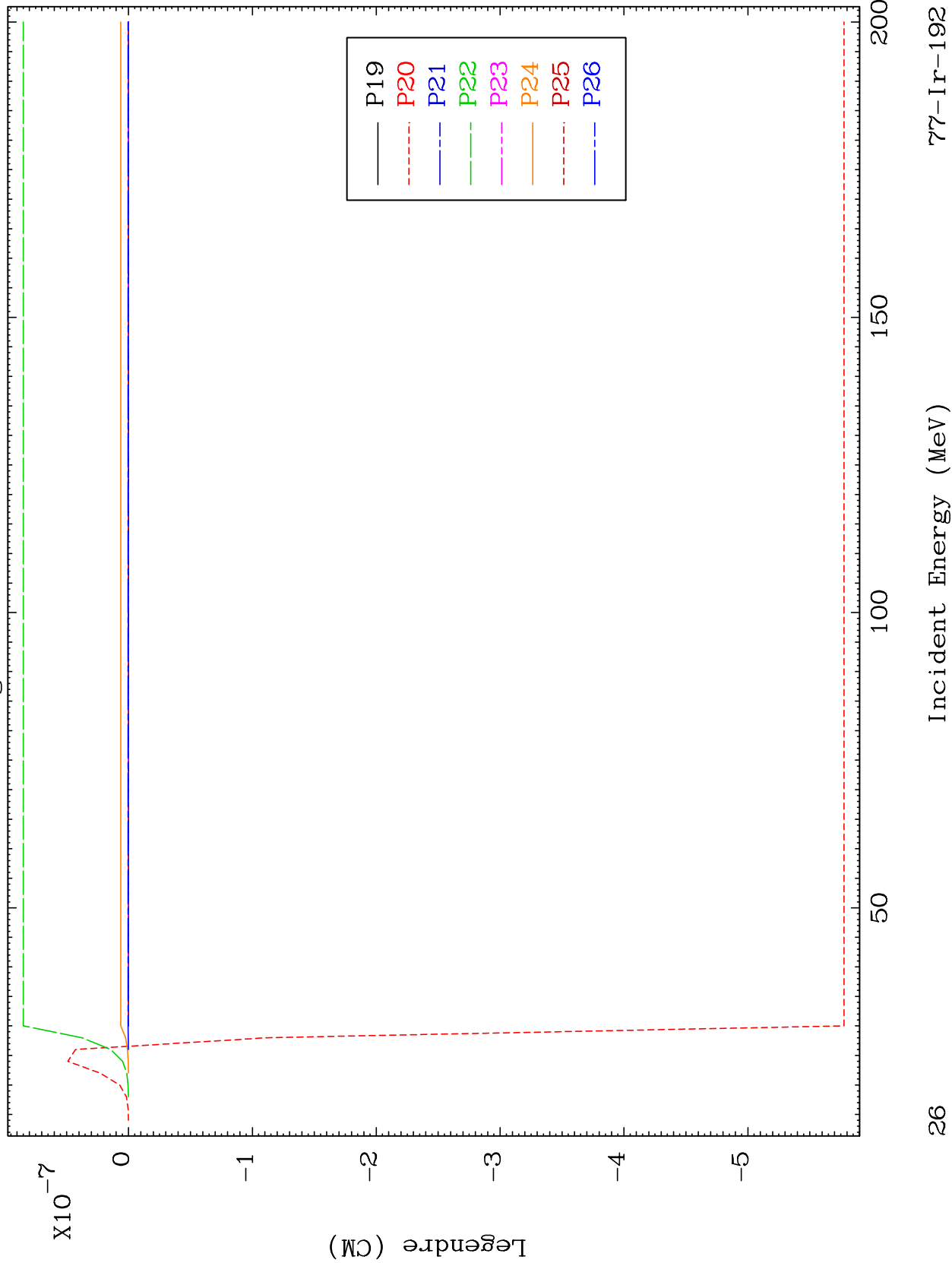
Incident Energy (MeV)

77-Ir-192

MAT 7728

77-Ir-192

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



77-Ir-192

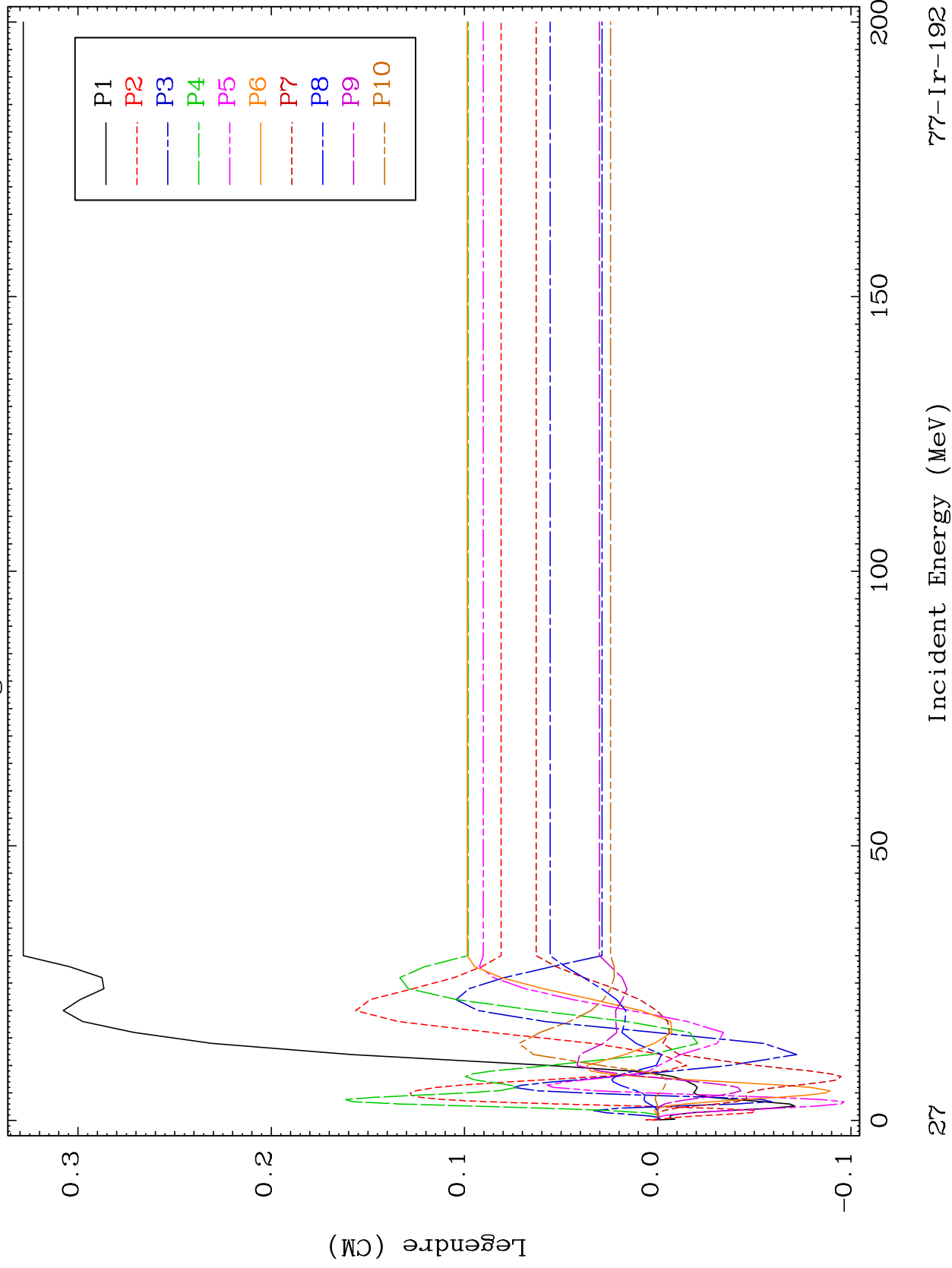
Incident Energy (MeV)

26

MAT 7728

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

77-Ir-192



77-Ir-192

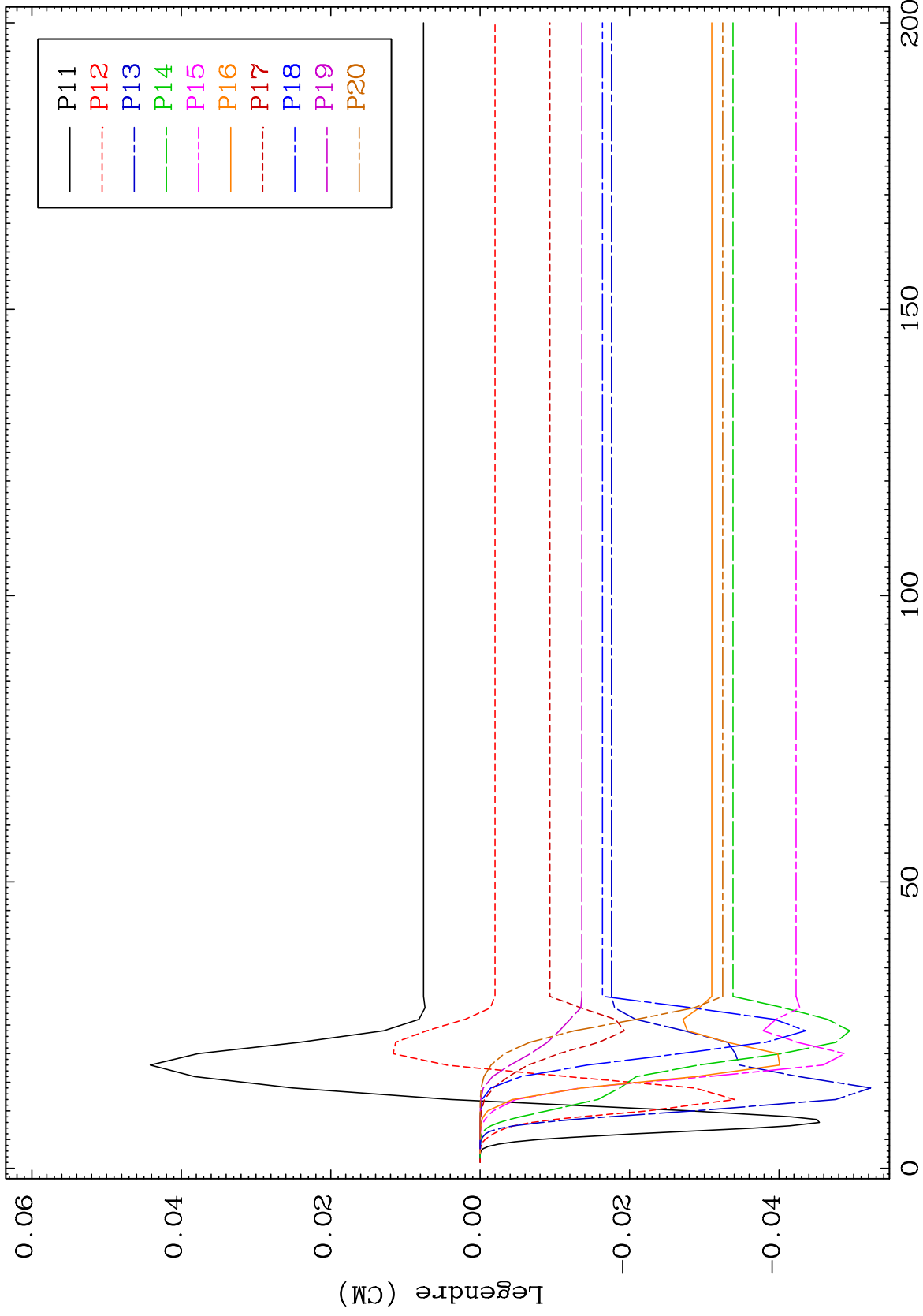
Incident Energy (MeV)

27

MAT 7728

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

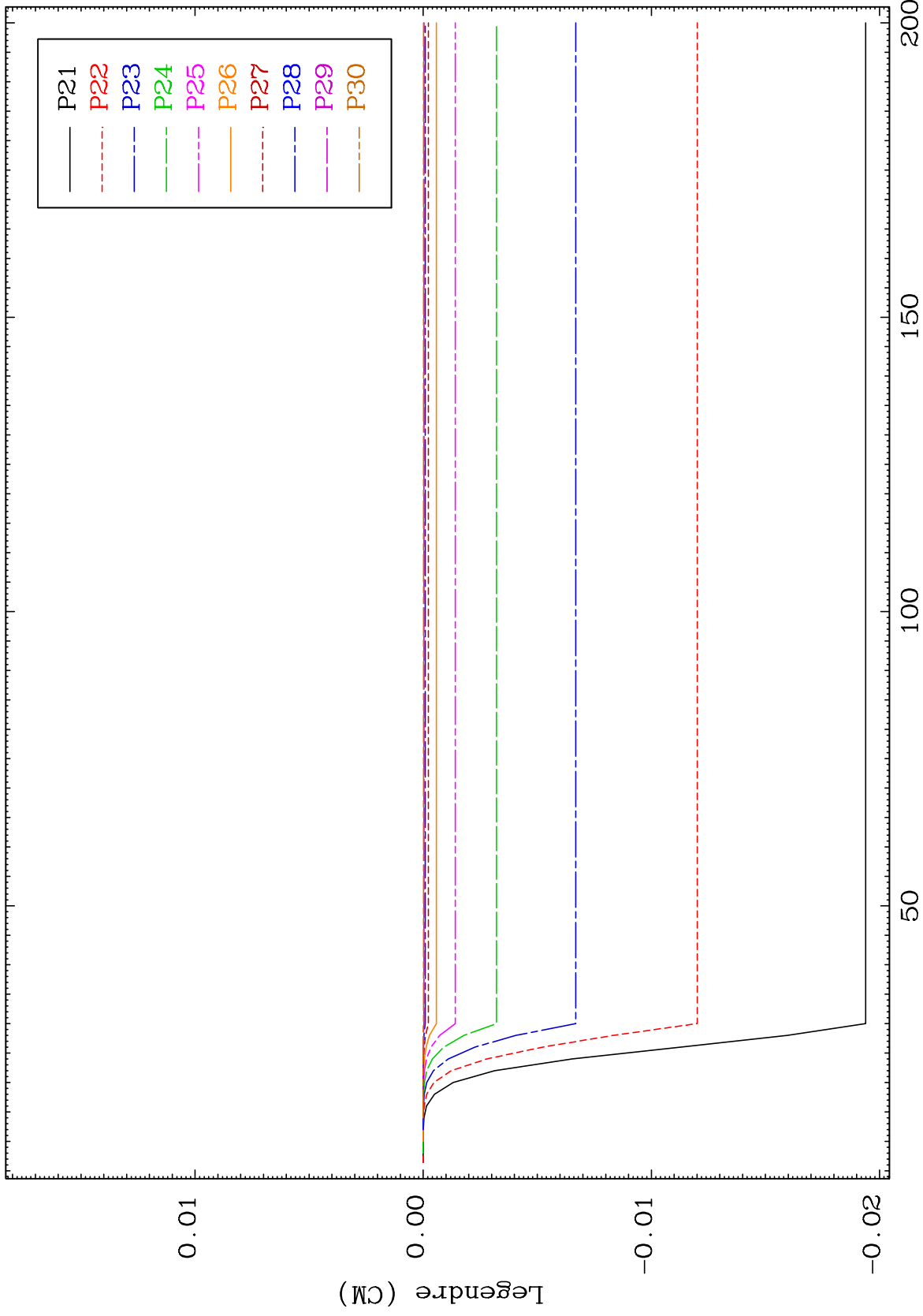
77-Ir-192



28

Incident Energy (MeV)

77-Ir-192

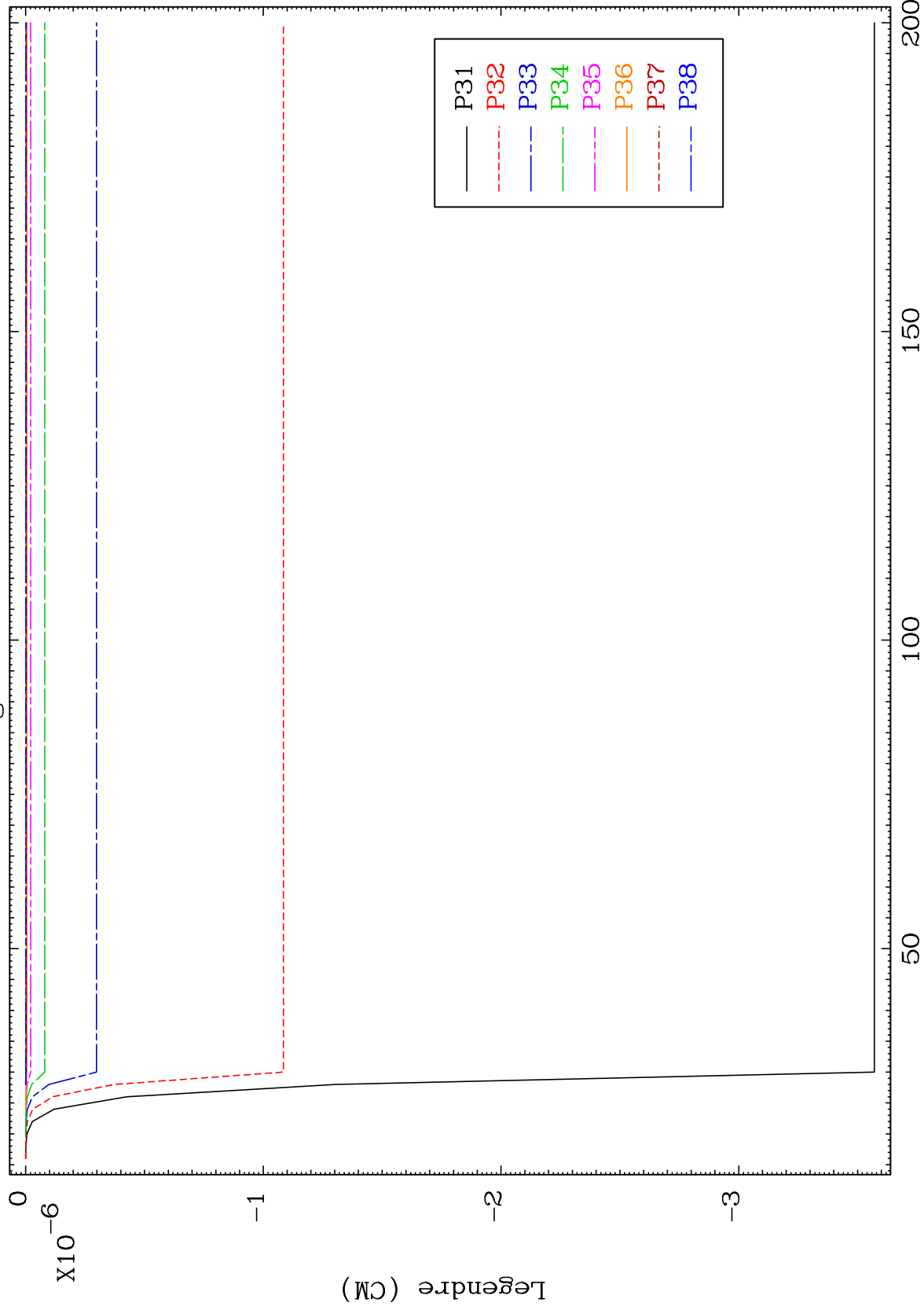


MAT 7728

MT= 53 (n,n') Level

77-Ir-192

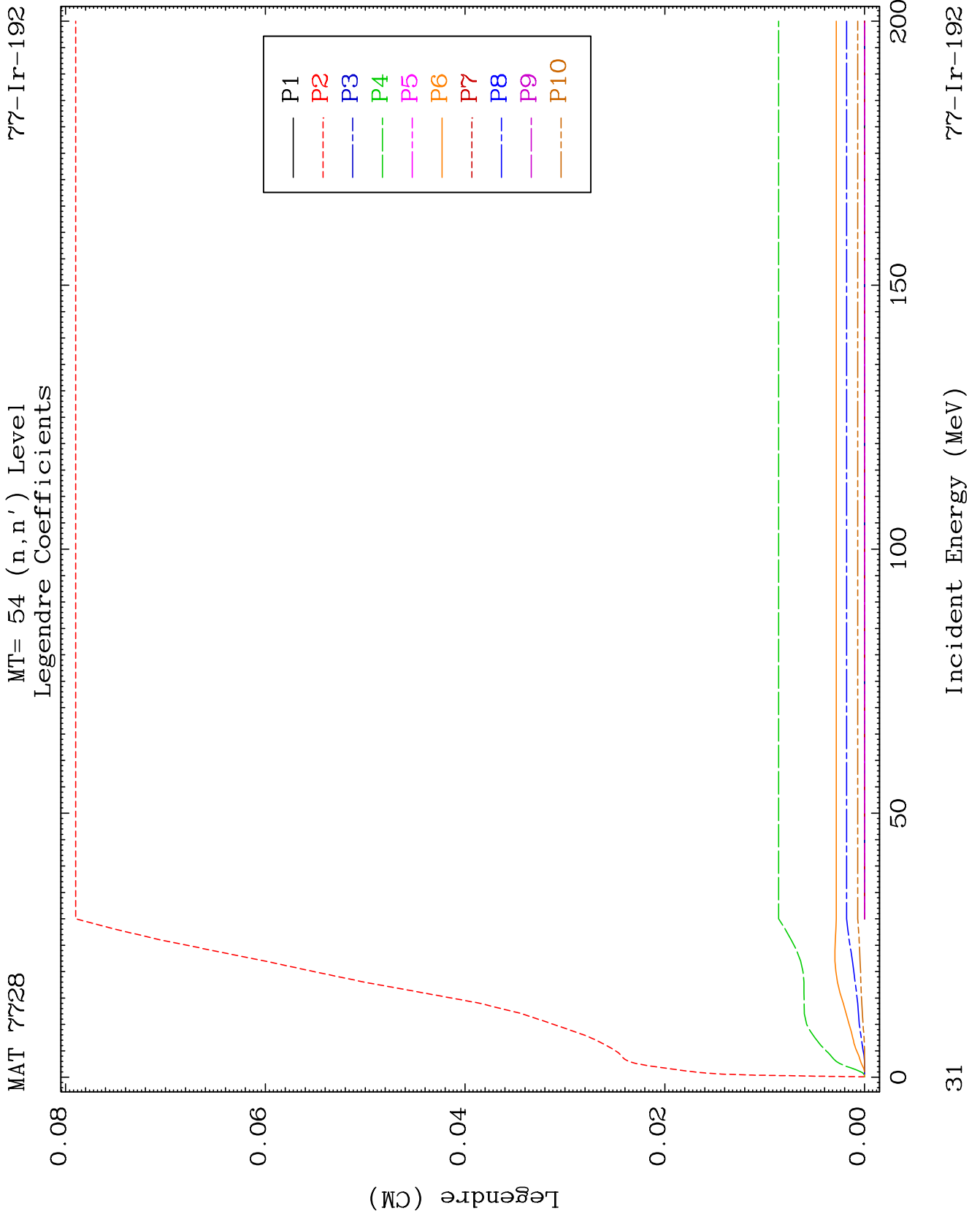
Legendre Coefficients



30

Incident Energy (MeV)

77-Ir-192

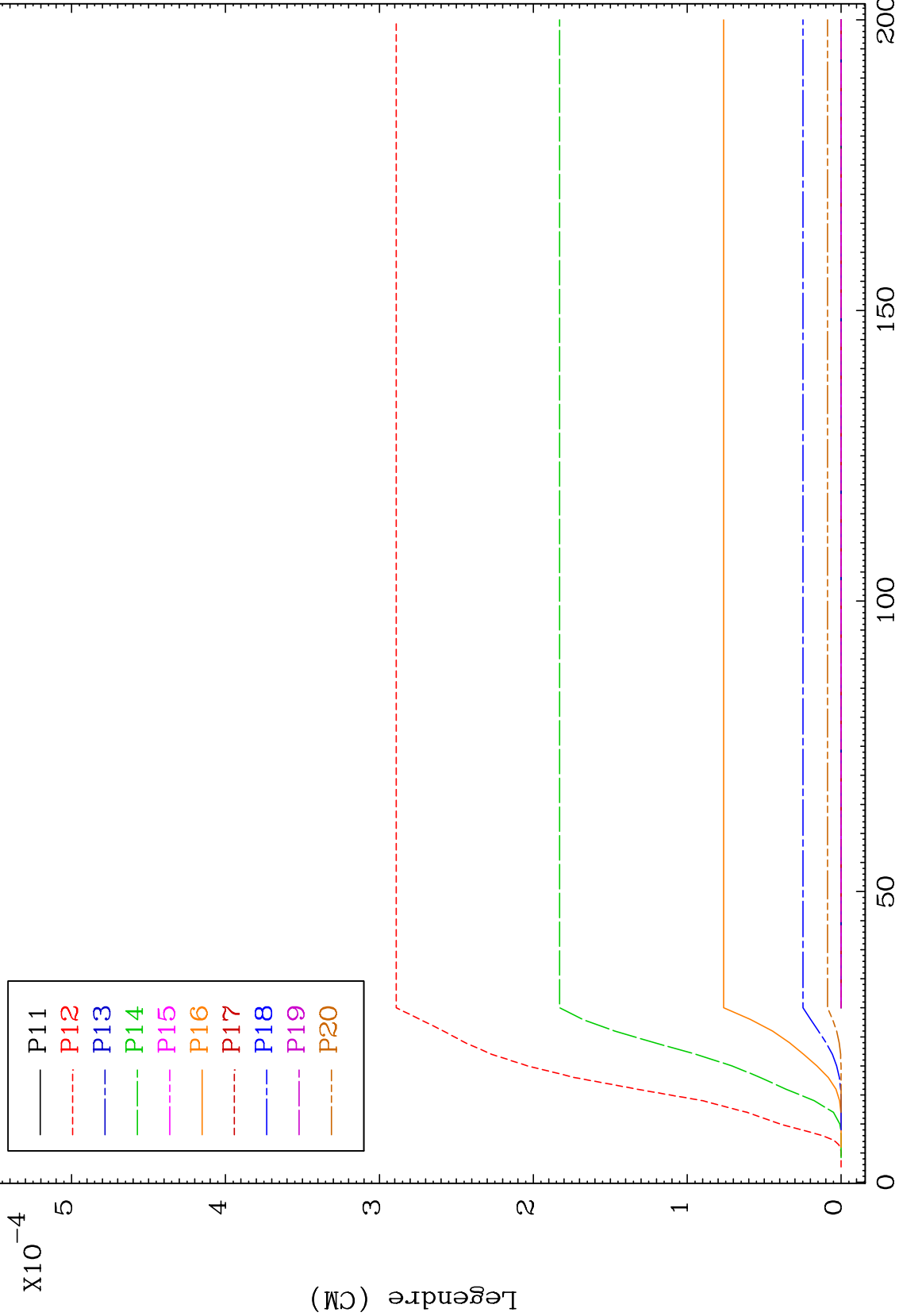
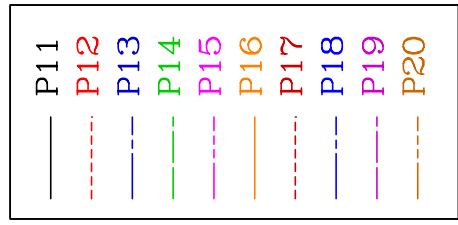




MAT 7728

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

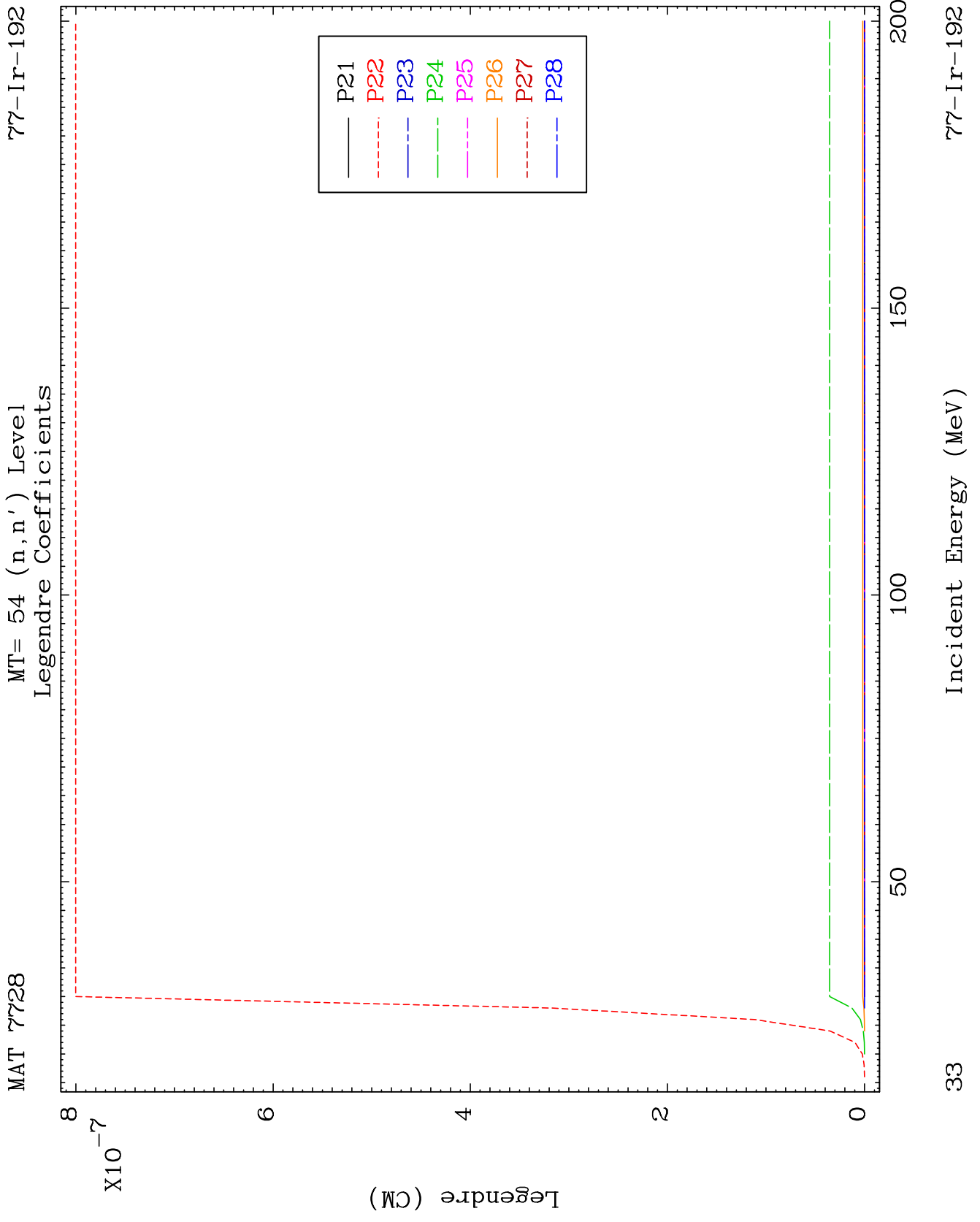
77-Ir-192



32

Incident Energy (MeV)

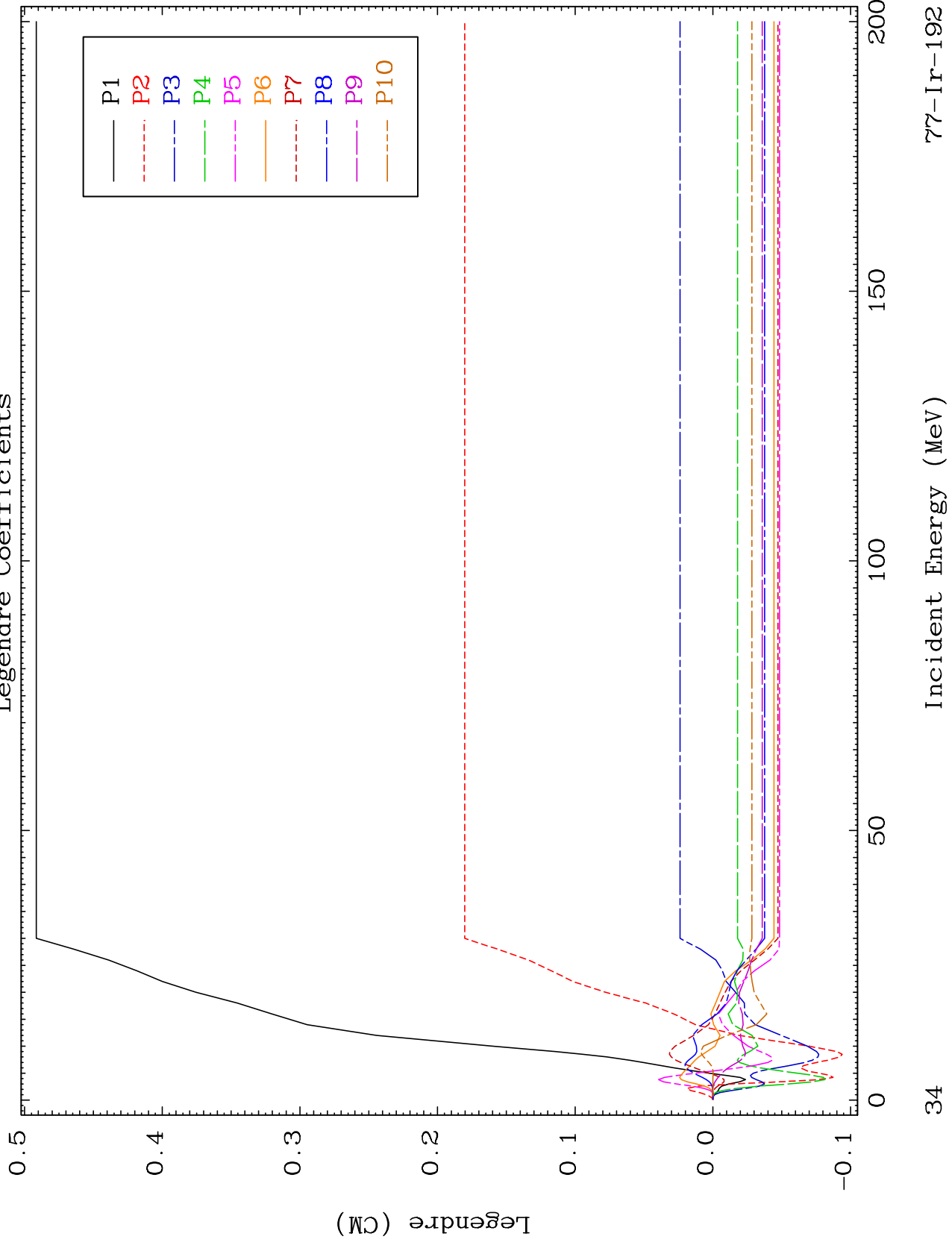
77-Ir-192



MAT 7728

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

77-Ir-192

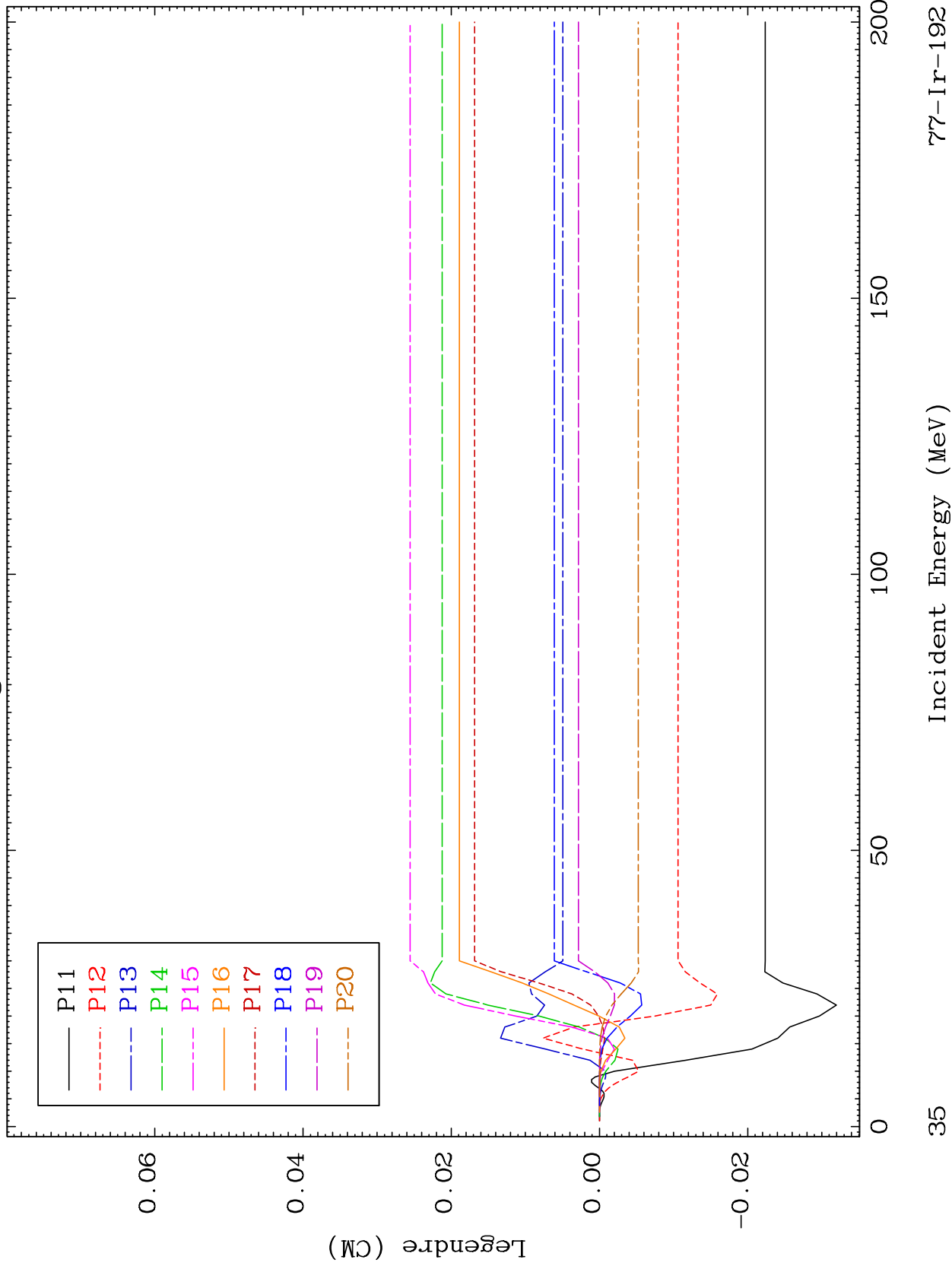


34

MAT 7728

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

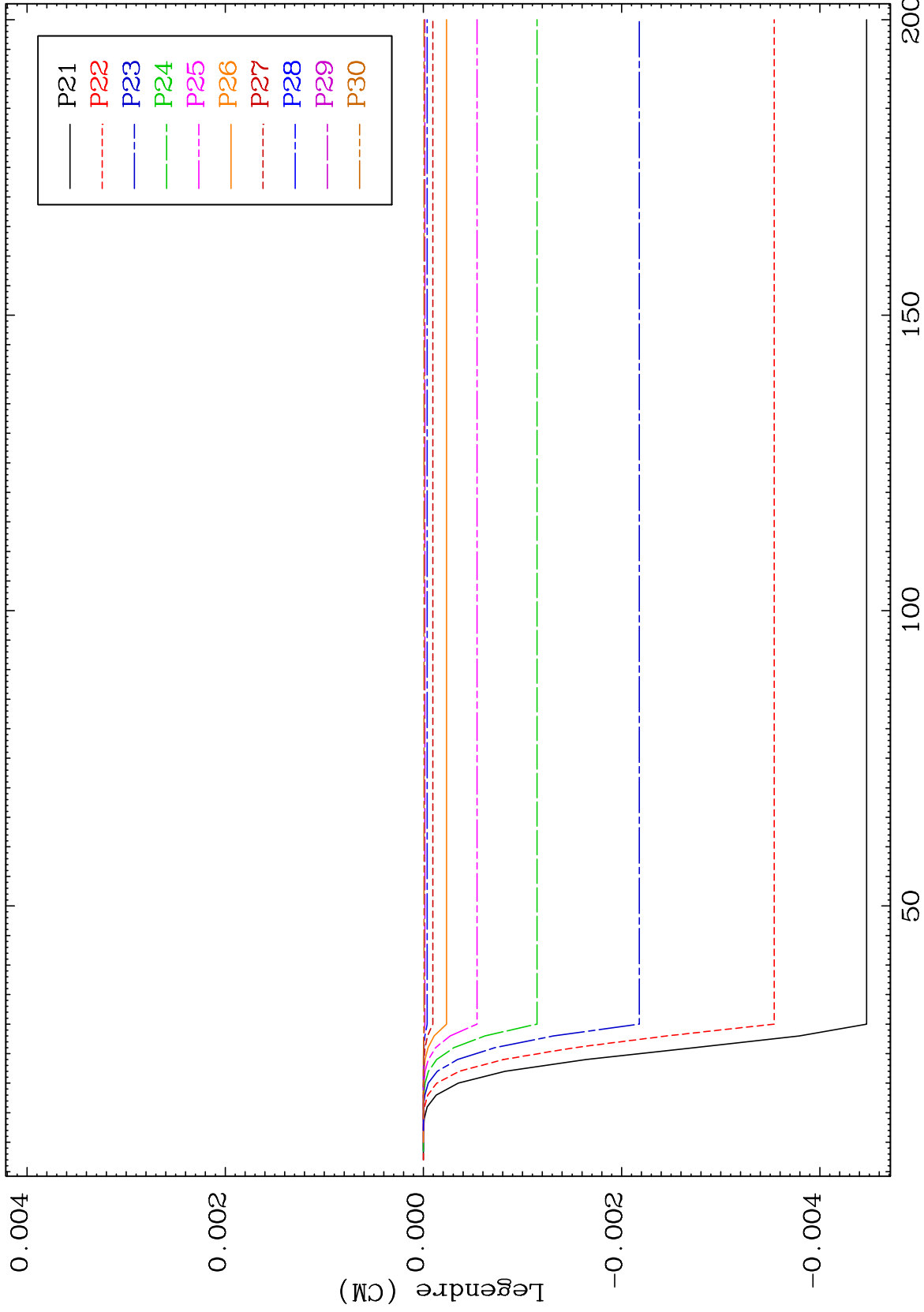
77-Ir-192



77-Ir-192

Incident Energy (MeV)

35

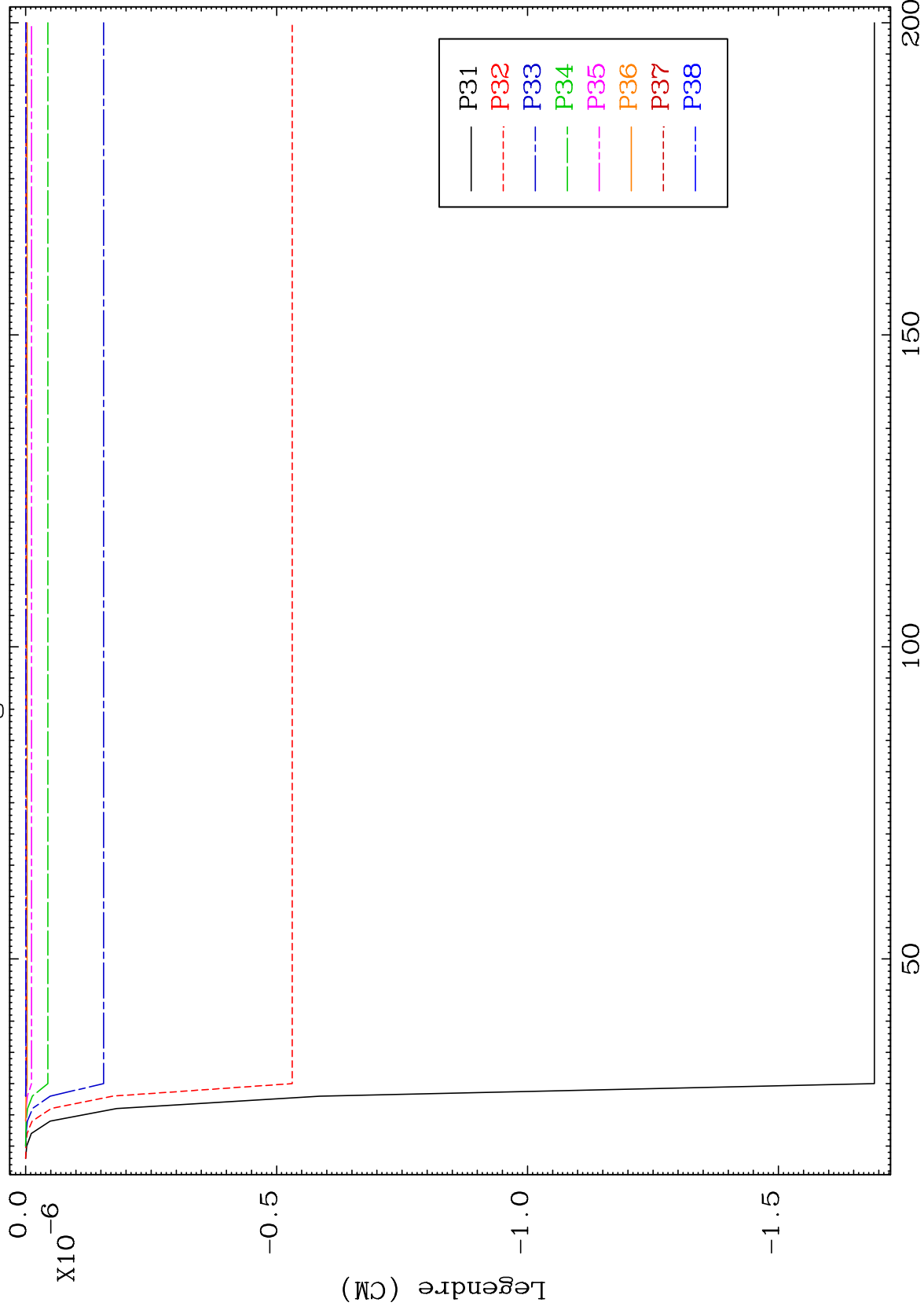


MAT 7728

MT= 55 (n,n') Level

77-Ir-192

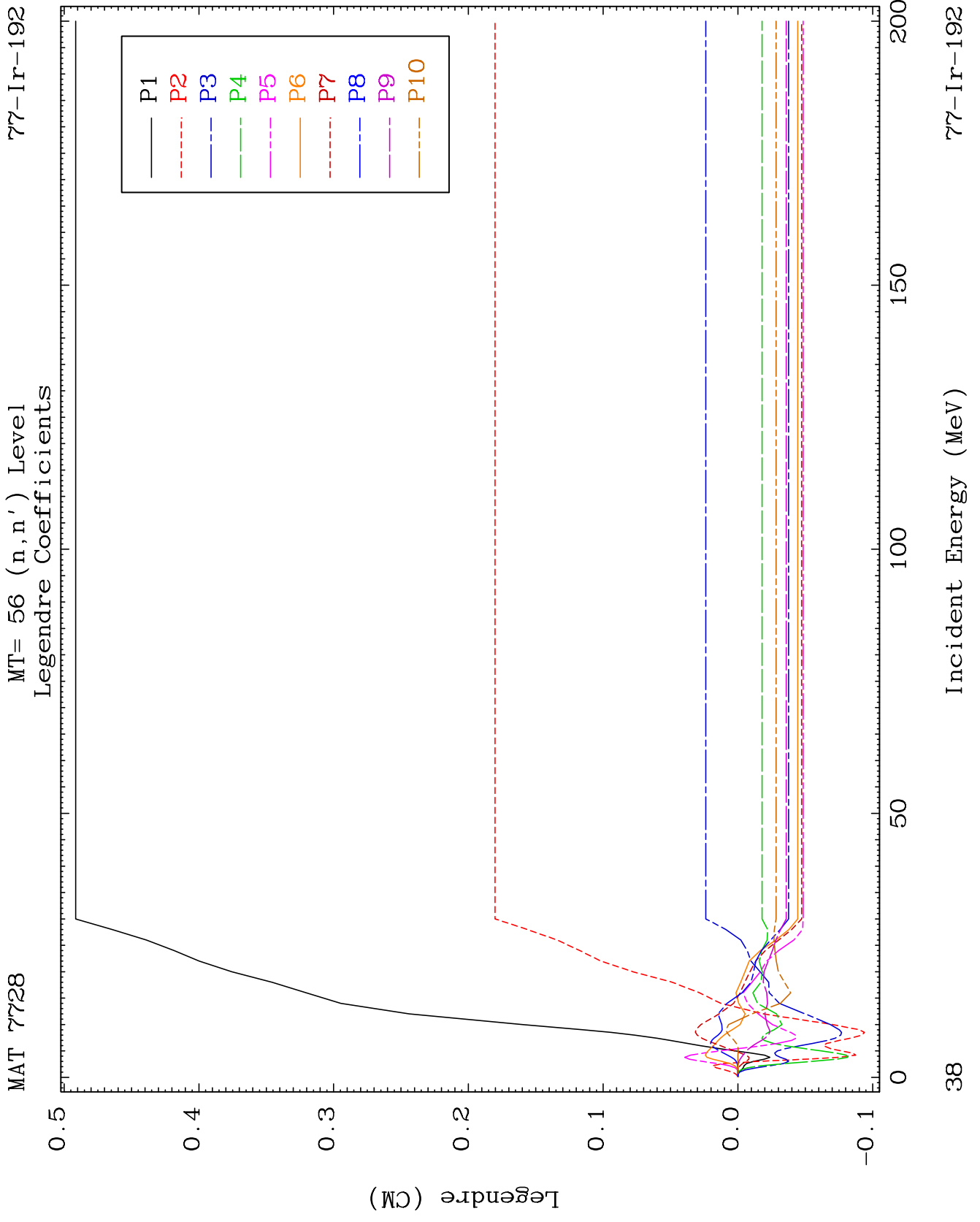
Legendre Coefficients



37

Incident Energy (MeV)

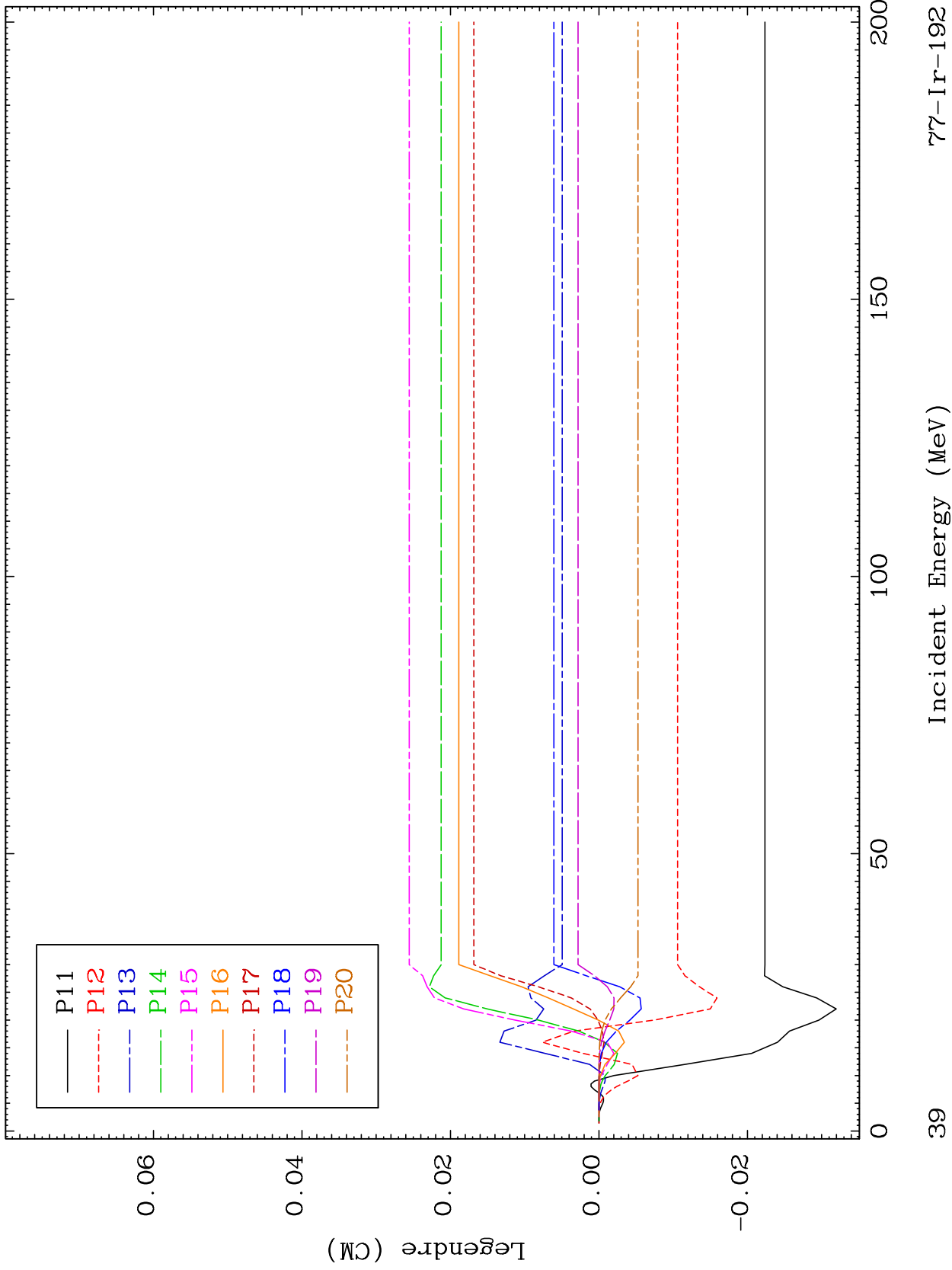
77-Ir-192



MAT 7728

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

77-Ir-192



39

Incident Energy (MeV)

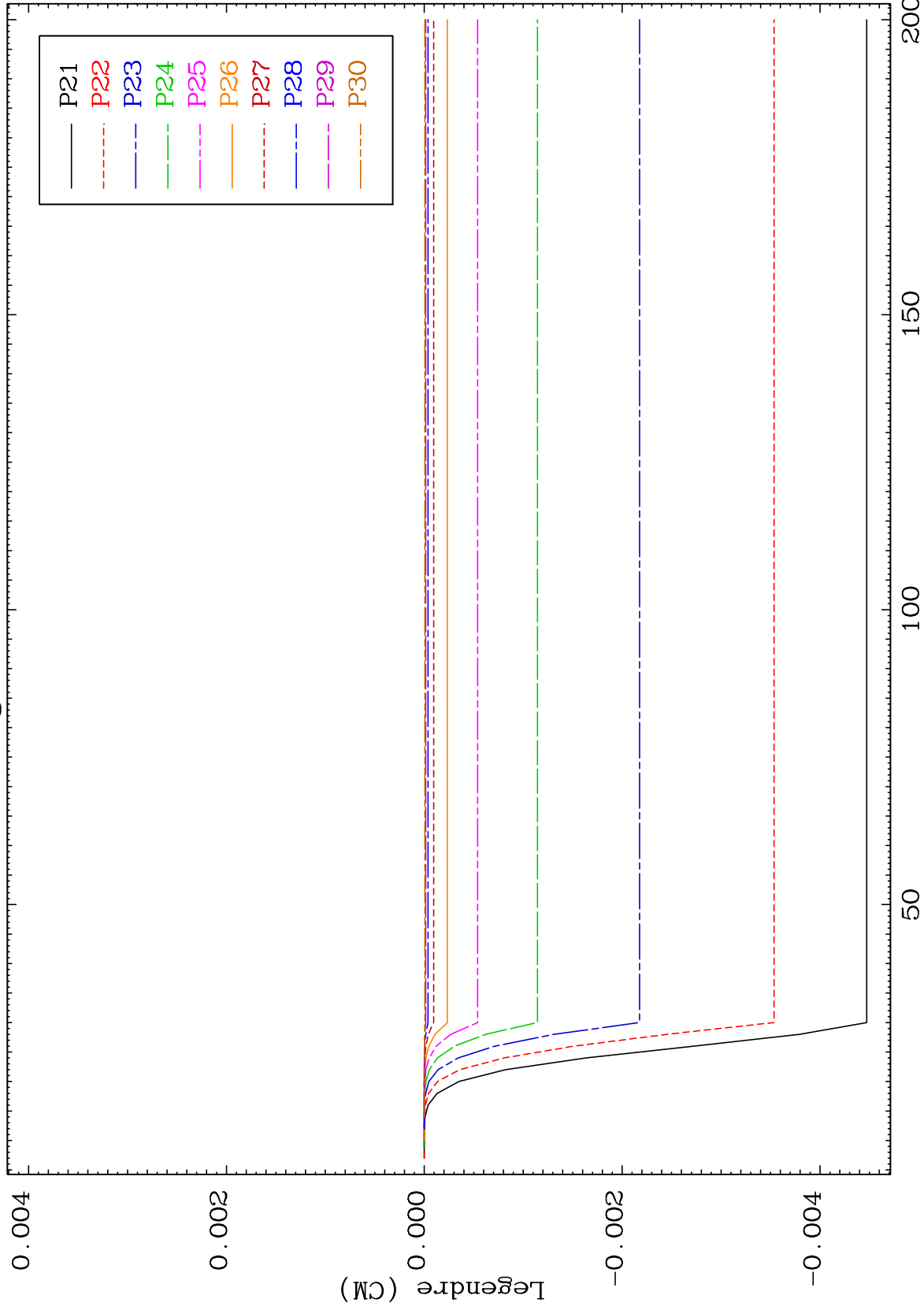
77-Ir-192



MAT 7728

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

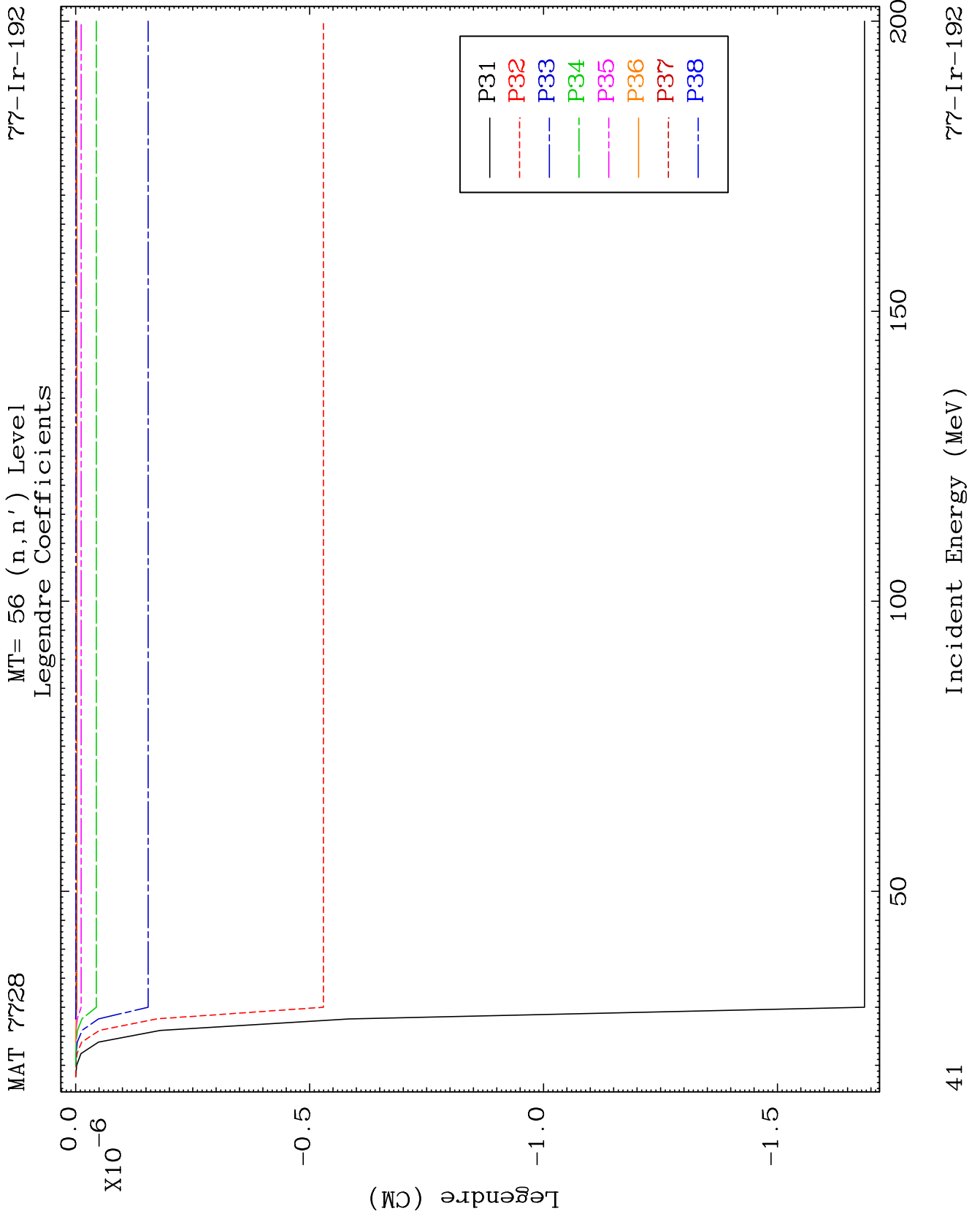
77-Ir-192



40

Incident Energy (MeV)

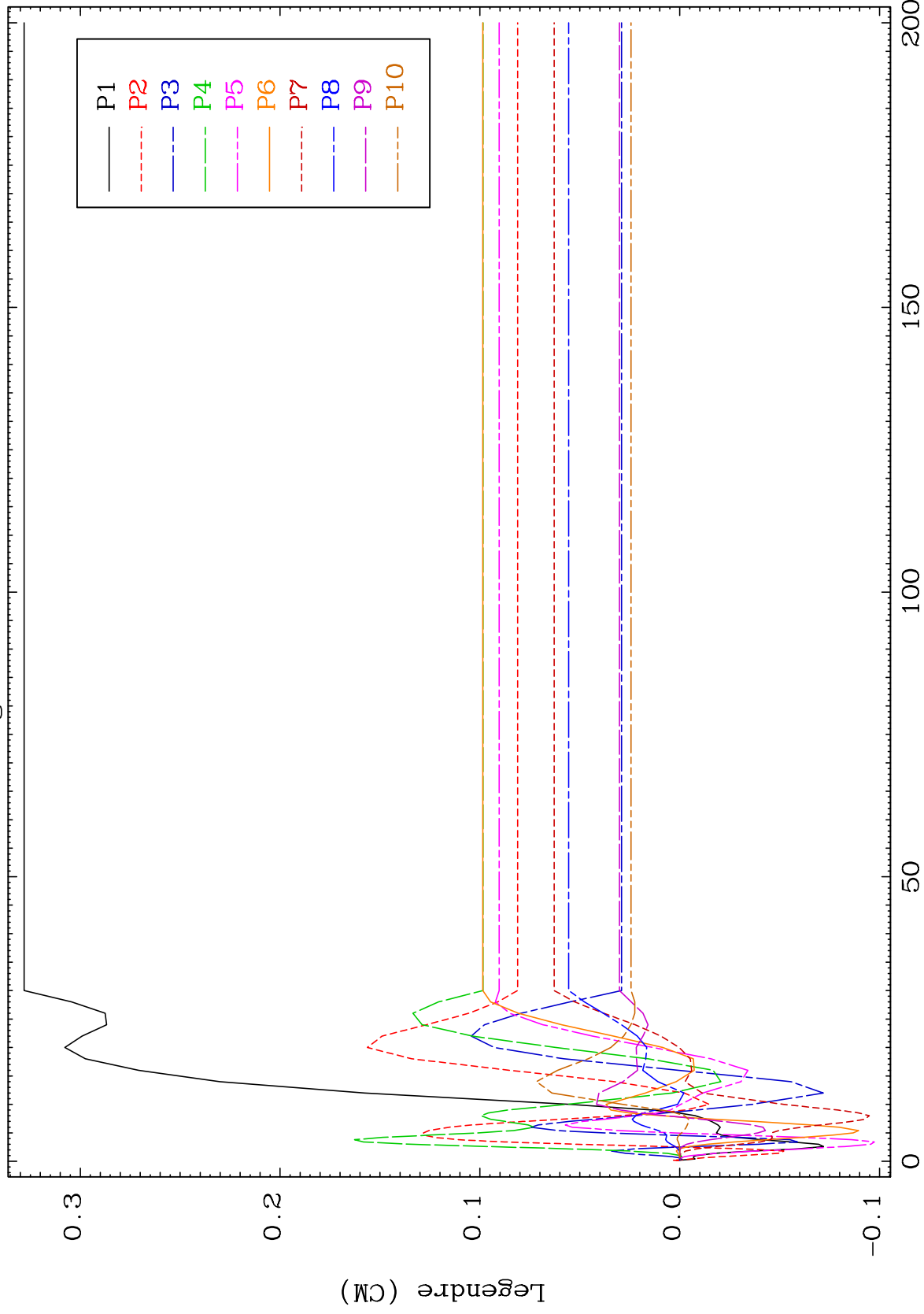
77-Ir-192



MAT 7728

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

77-Ir-192



77-Ir-192

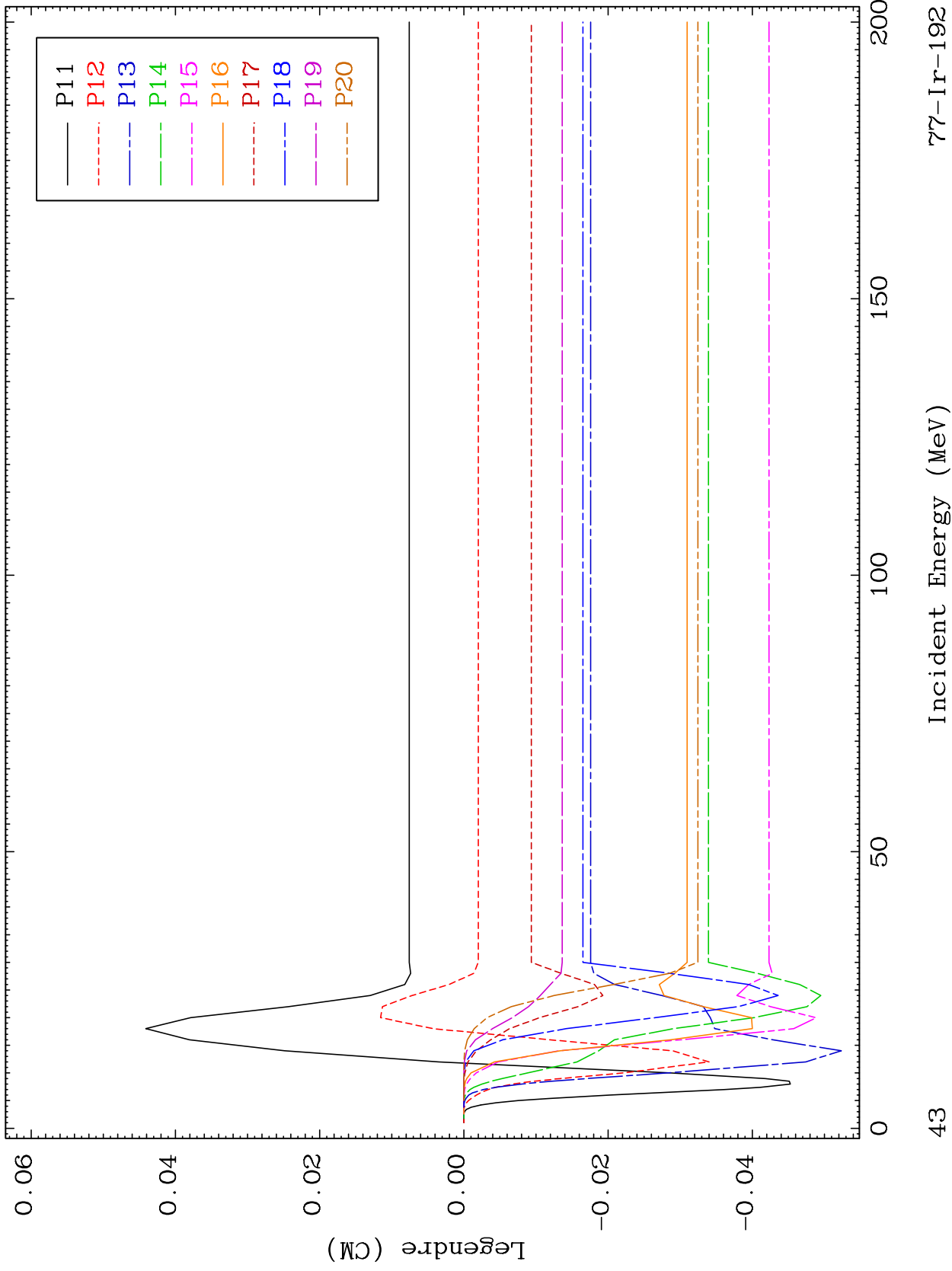
Incident Energy (MeV)

42

MAT 7728

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

77-Ir-192



43

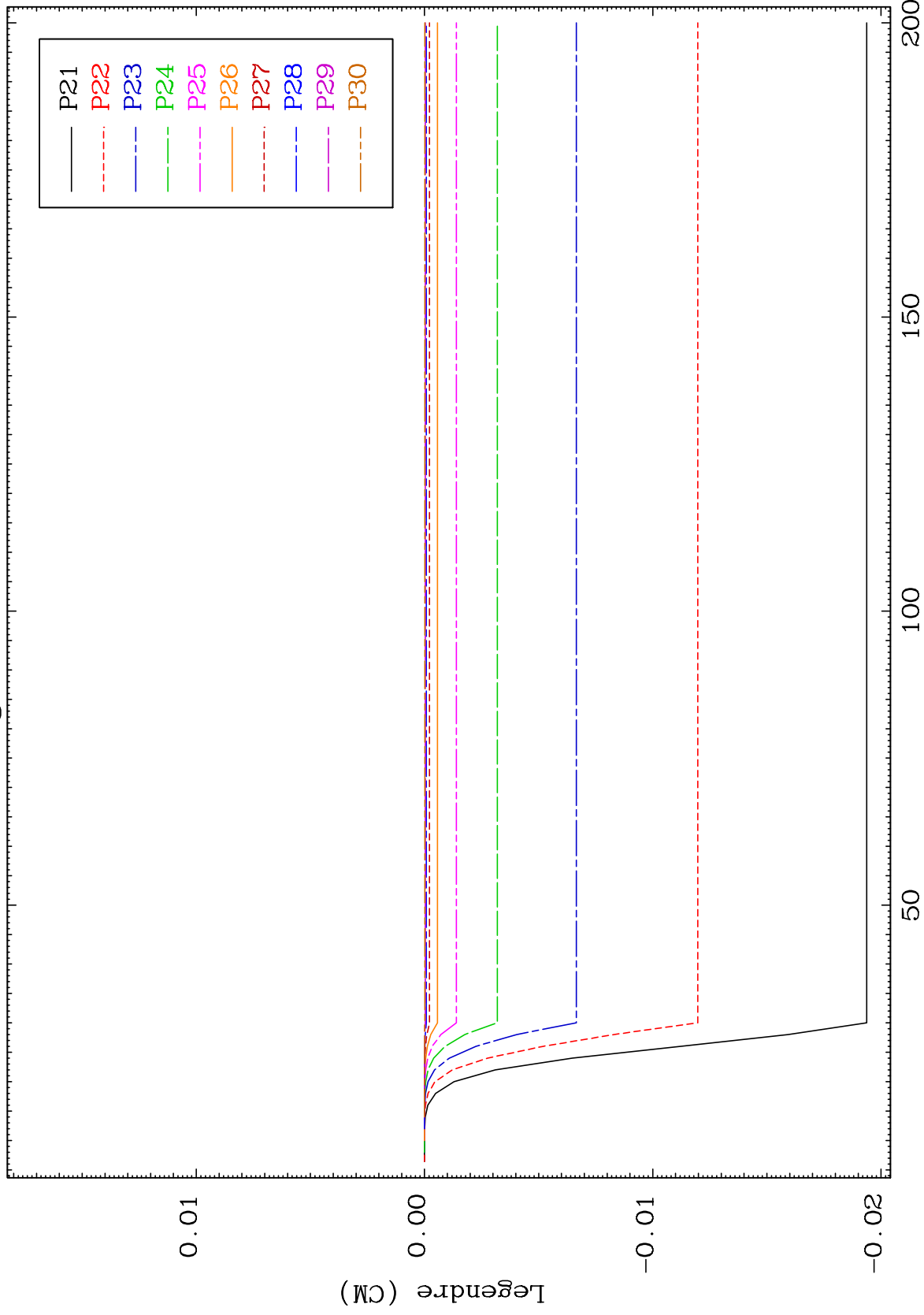
Incident Energy (MeV)

77-Ir-192

MAT 7728

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

77-Ir-192



44

Incident Energy (MeV)

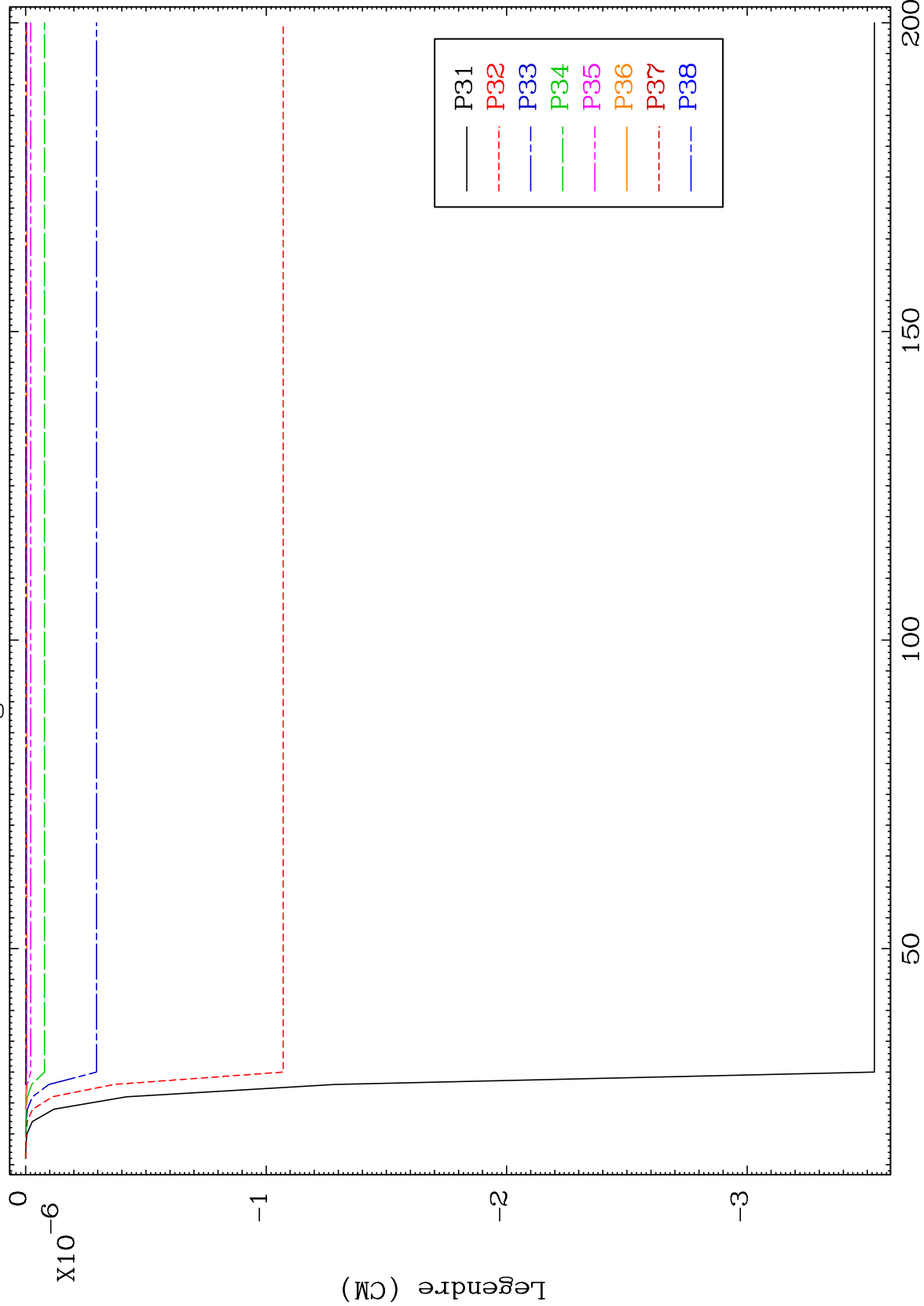
77-Ir-192

MAT 7728

MT= 57 (n,n') Level

77-Ir-192

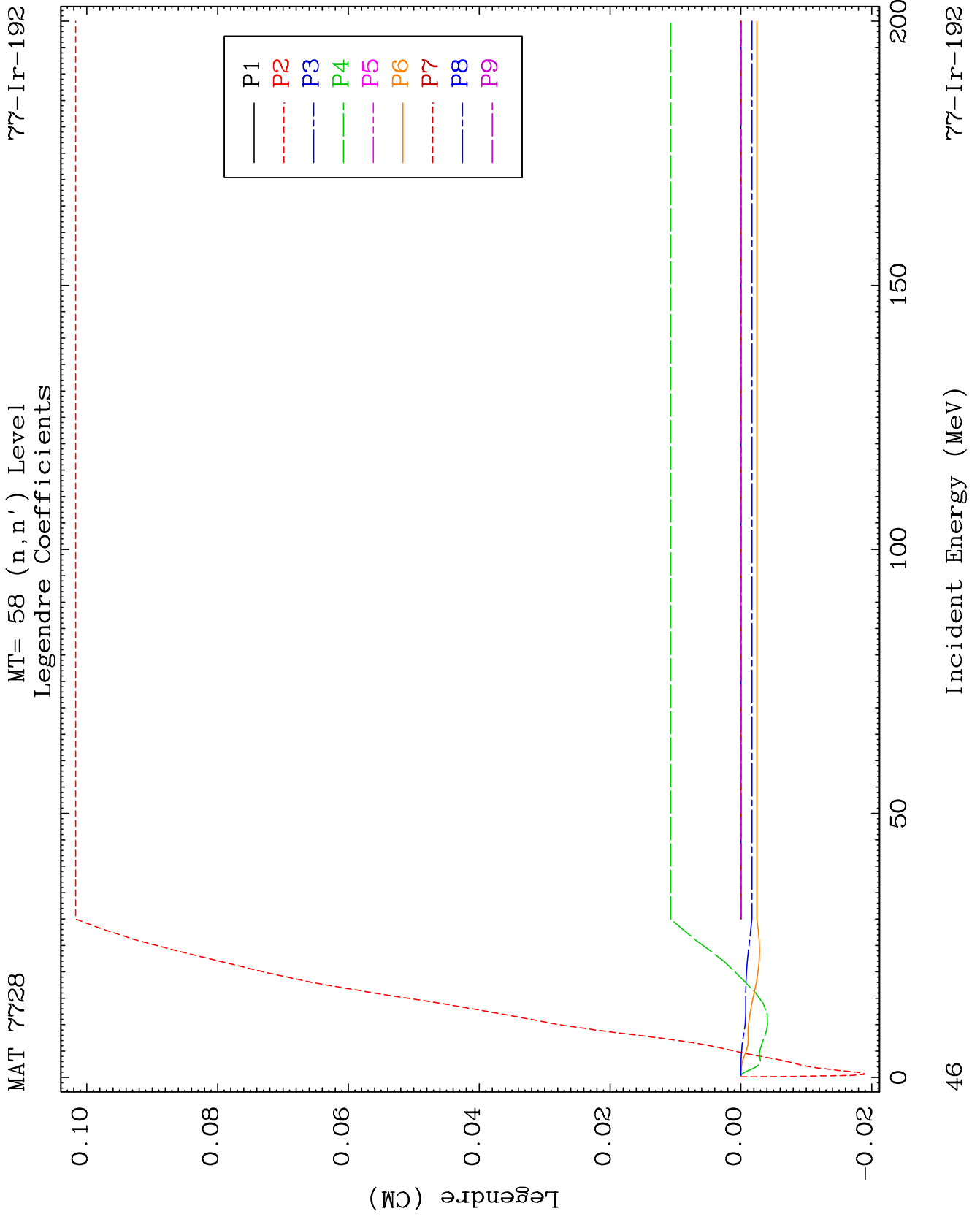
Legendre Coefficients



45

Incident Energy (MeV)

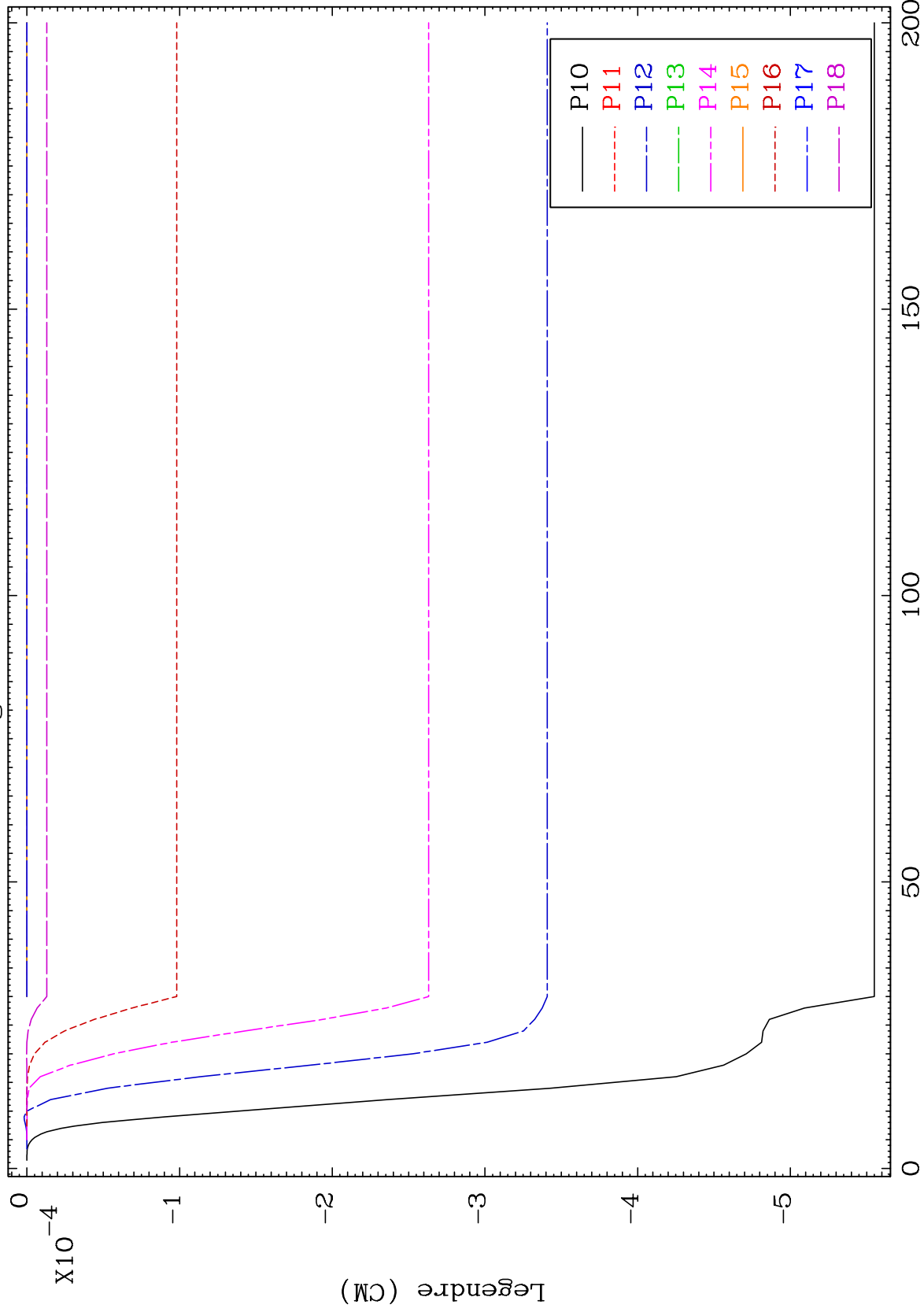
77-Ir-192



MAT 7728

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

77-Ir-192

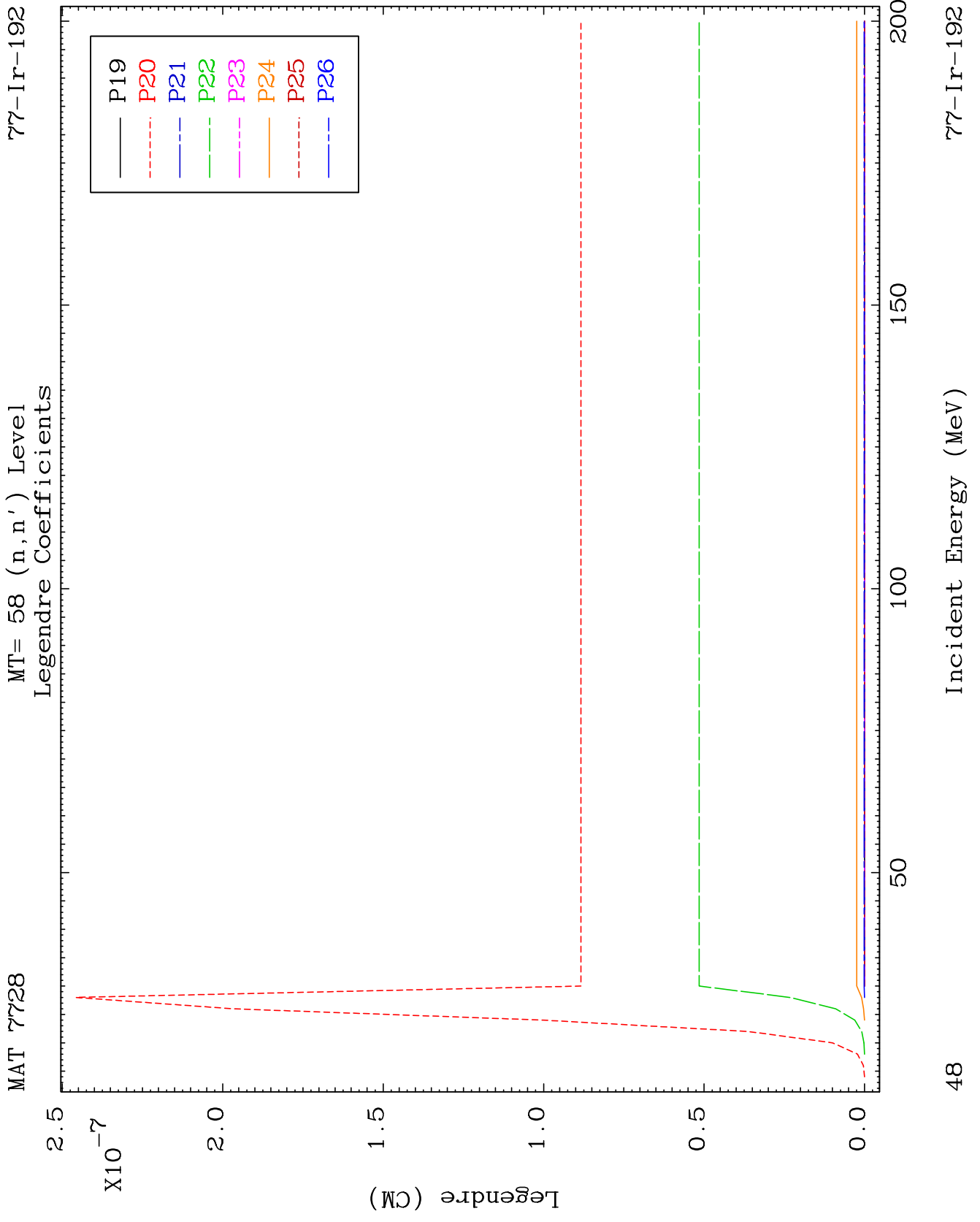


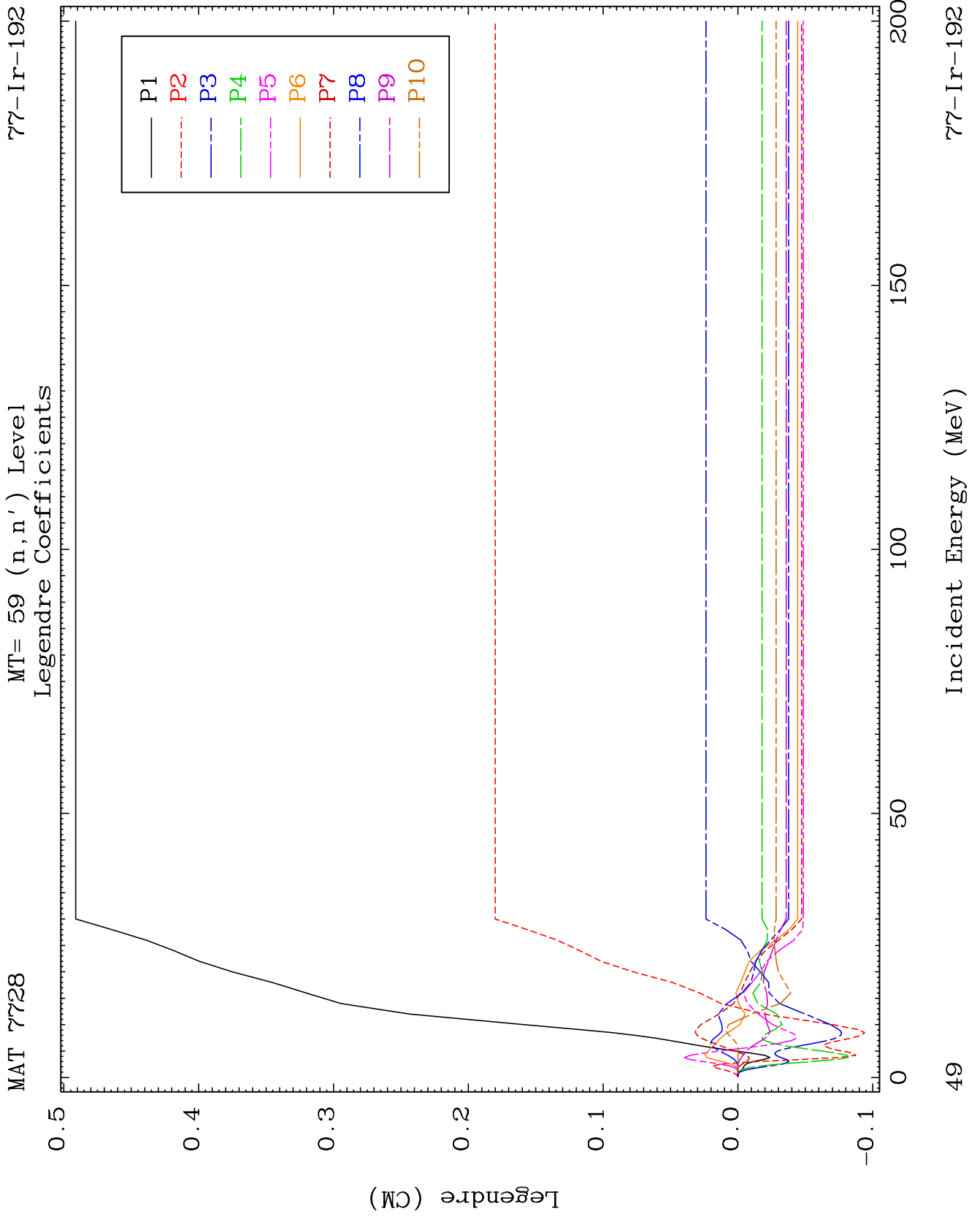
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Incident Energy (MeV)

77-Ir-192



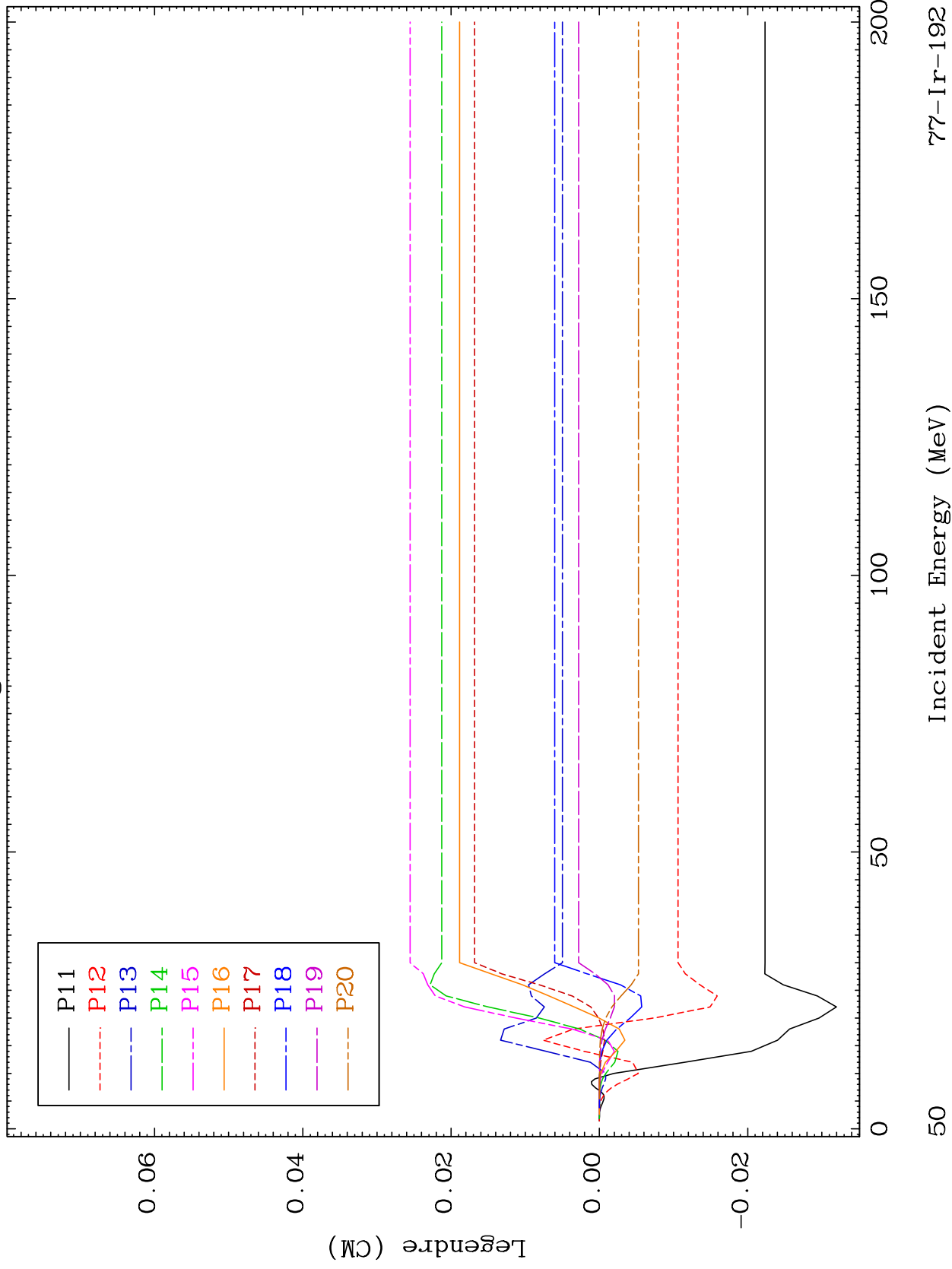




MAT 7728

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

77-Ir-192



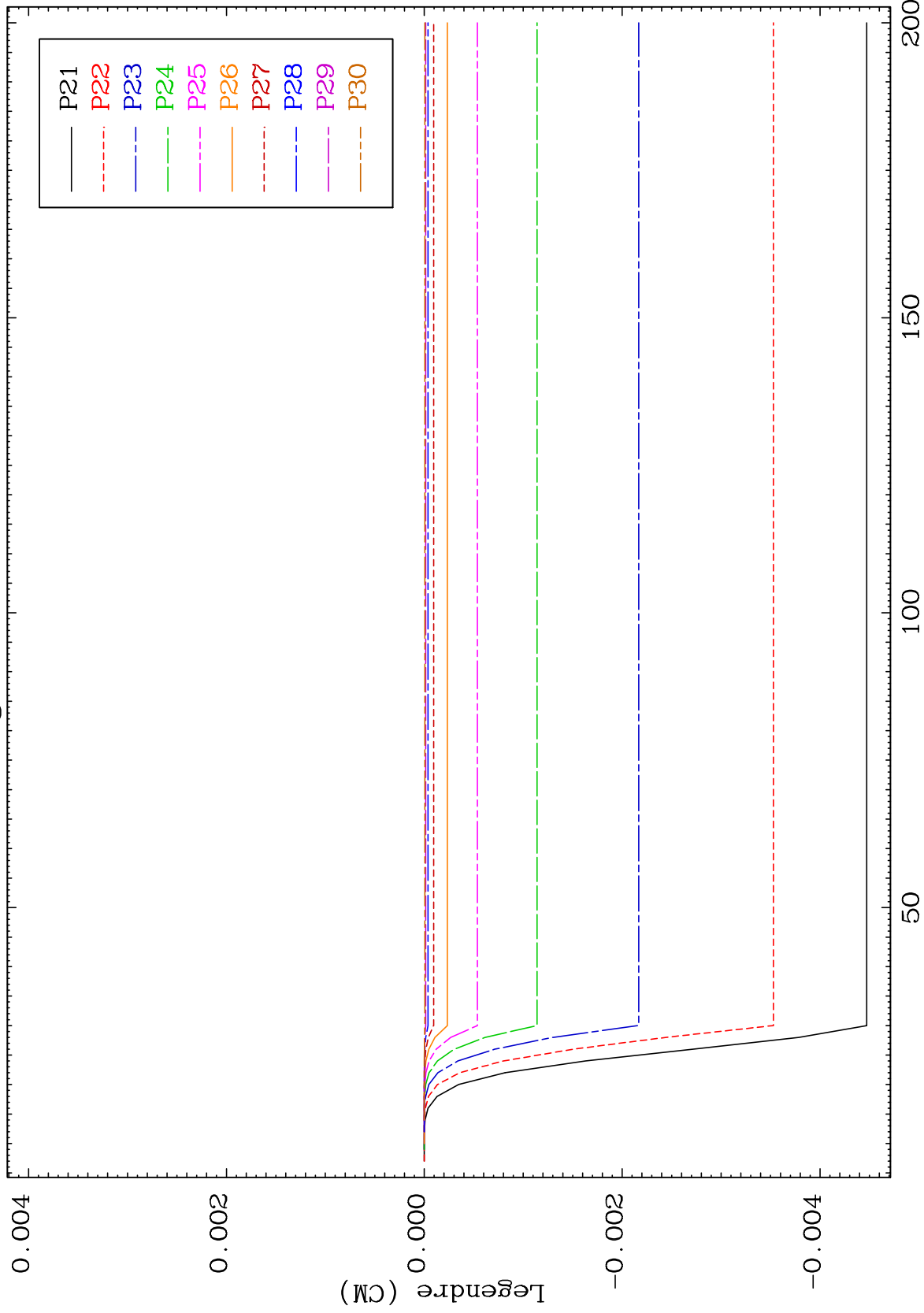
77-Ir-192

Incident Energy (MeV)

MAT 7728

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

77-Ir-192



51

Incident Energy (MeV)

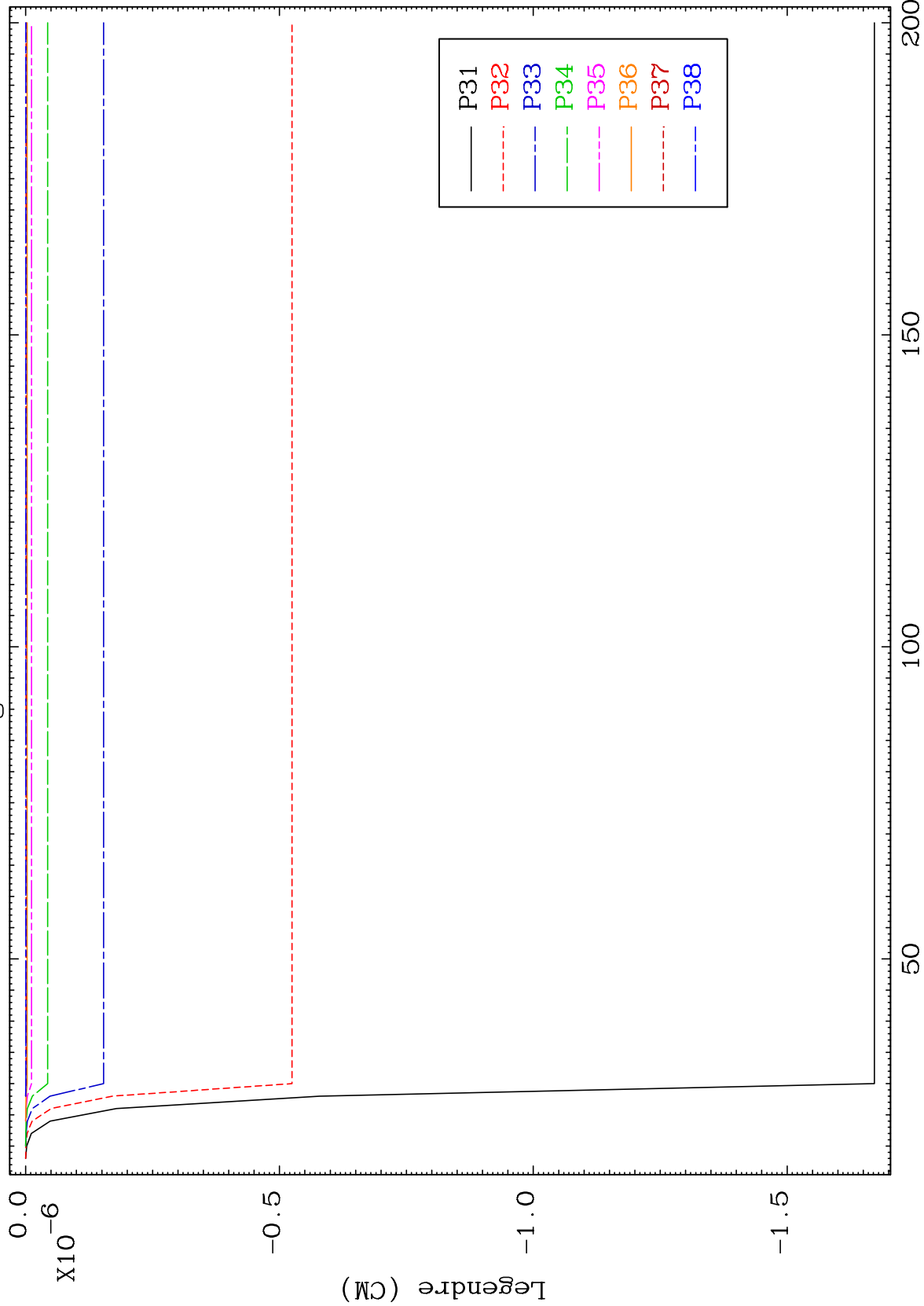
77-Ir-192

MAT 7728

MT= 59 (n,n') Level

77-Ir-192

Legendre Coefficients



52

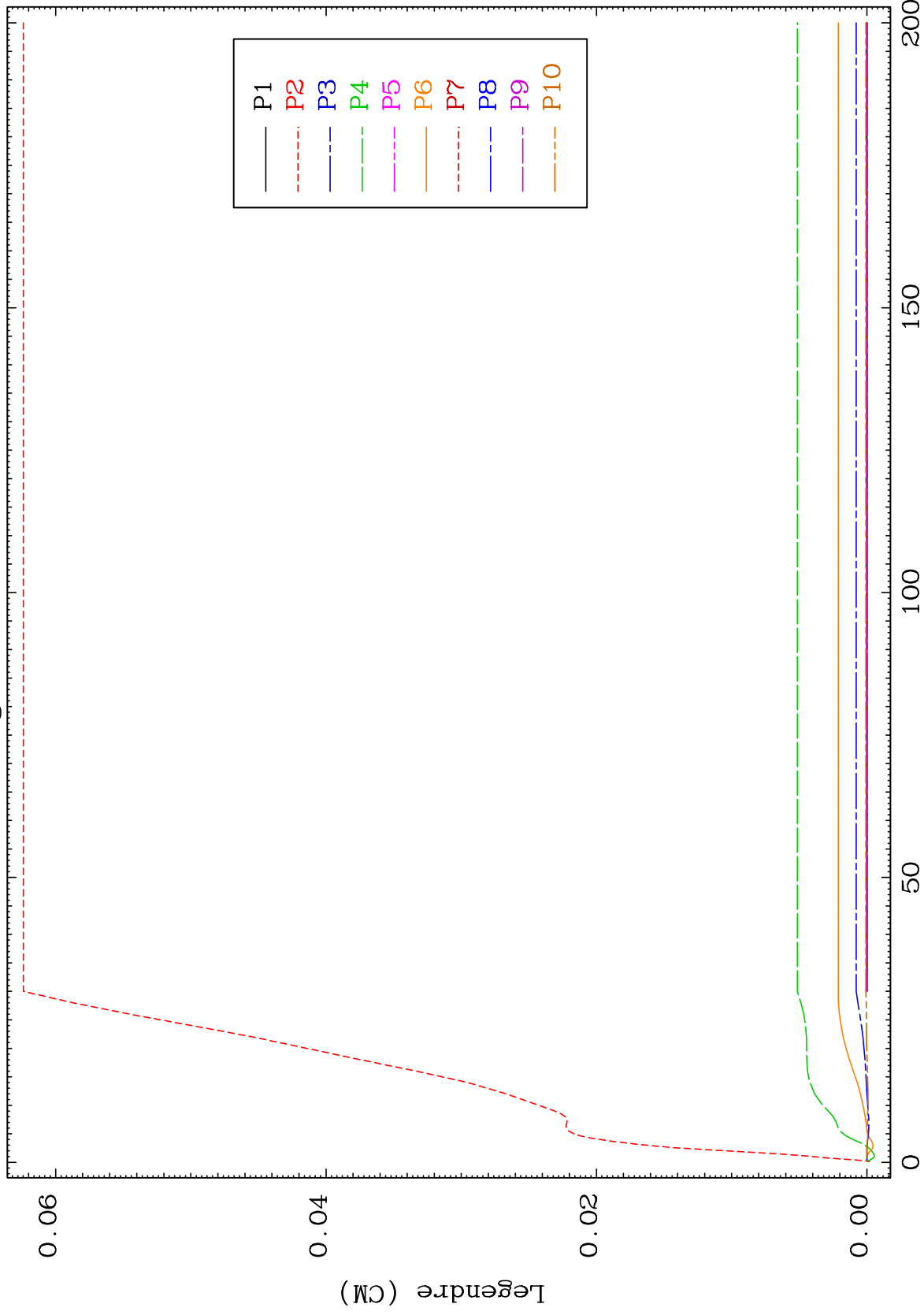
Incident Energy (MeV)

77-Ir-192

MAT 7728

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

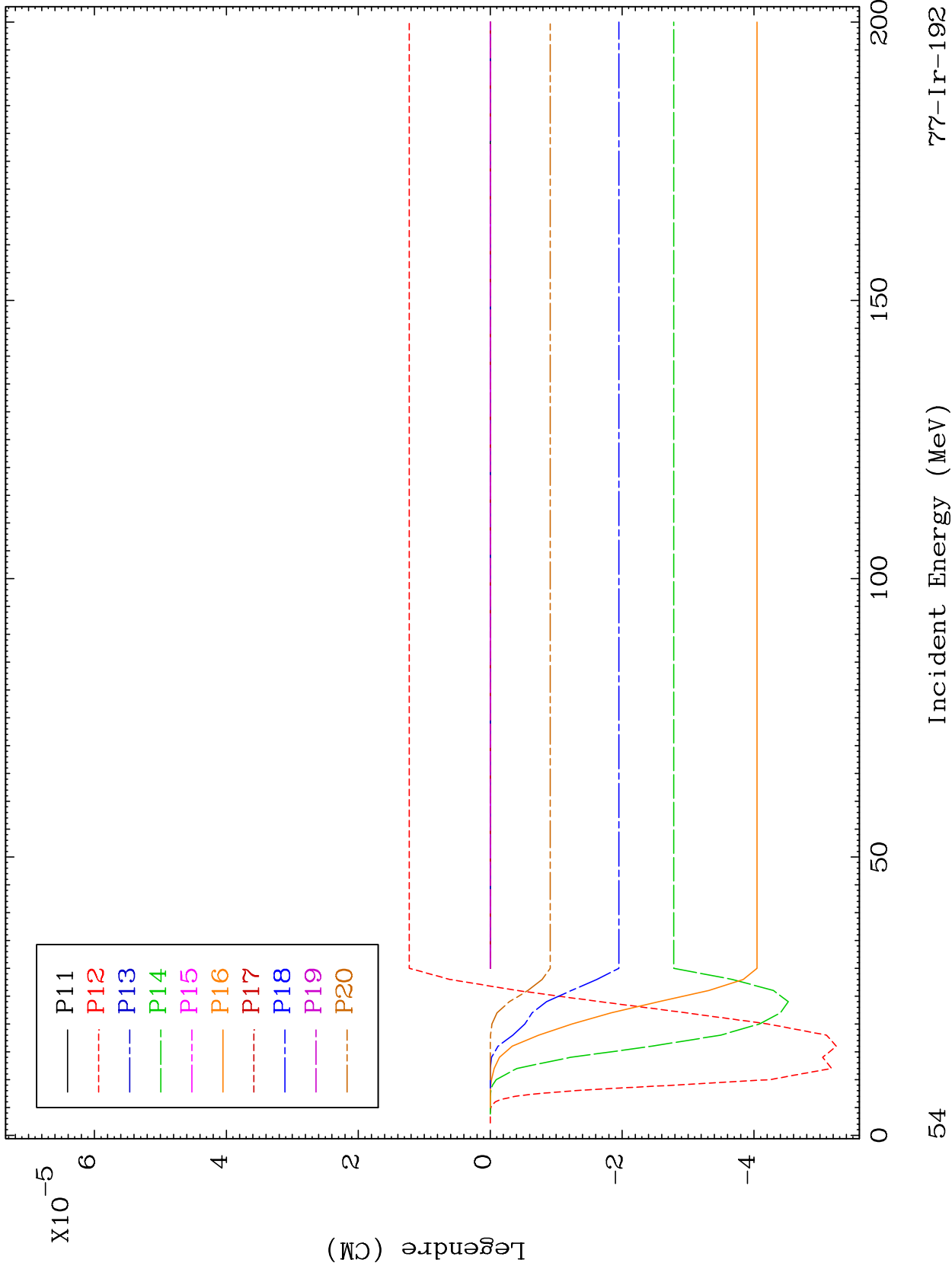
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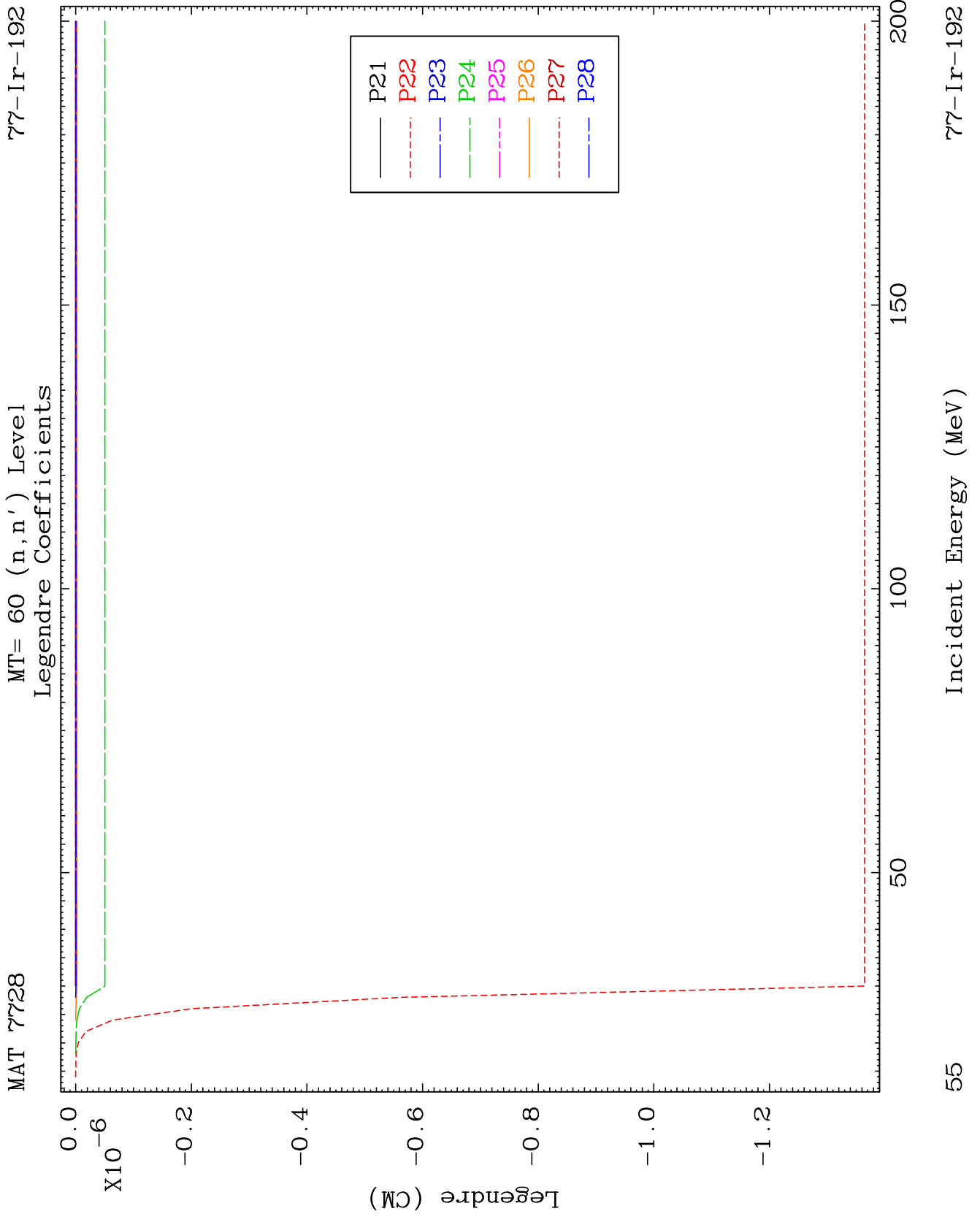


53

Incident Energy (MeV)

77-Ir-192



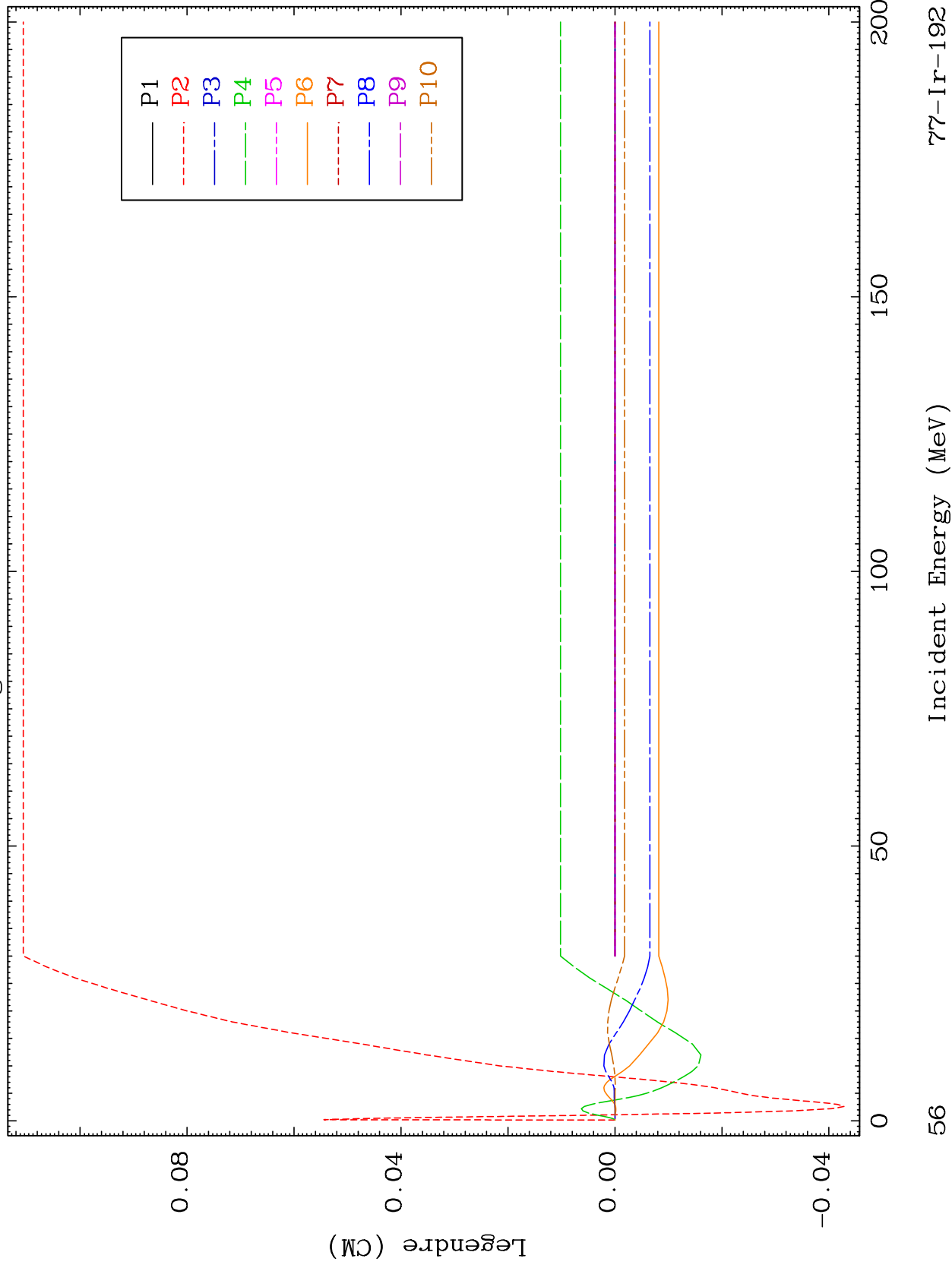




MAT 7728

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

77-Ir-192



77-Ir-192

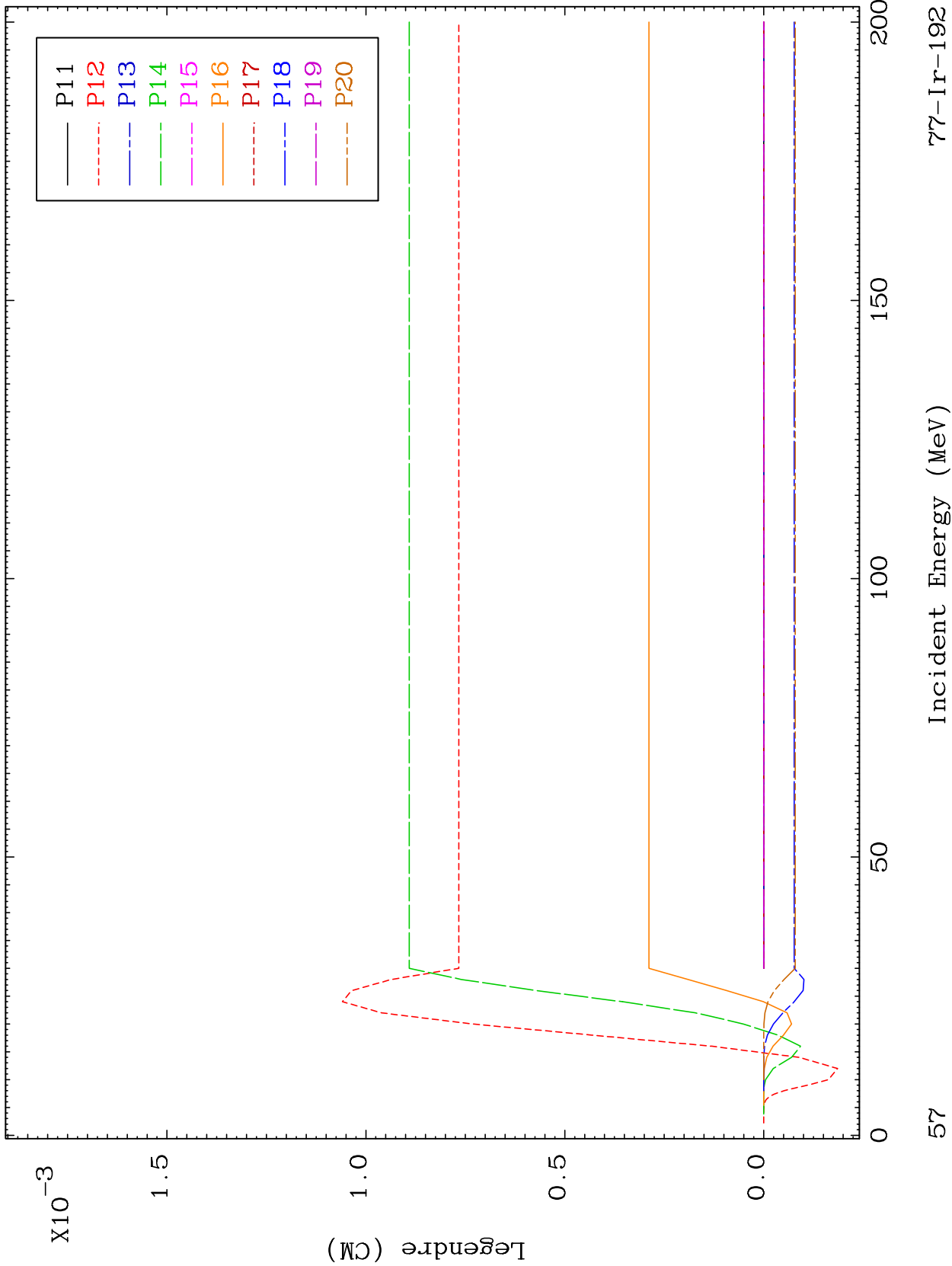
Incident Energy (MeV)

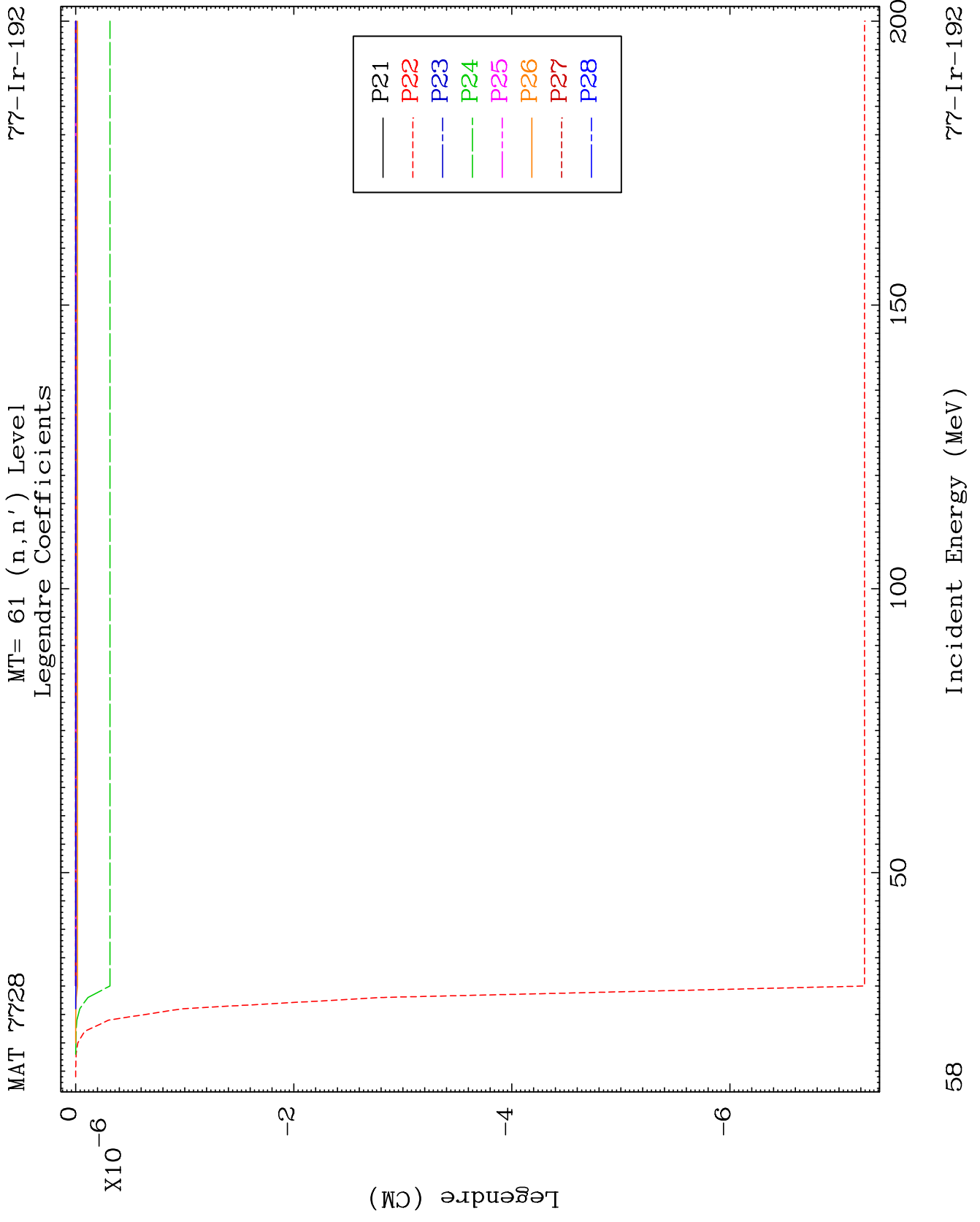
56

MAT 7728

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

77-Ir-192

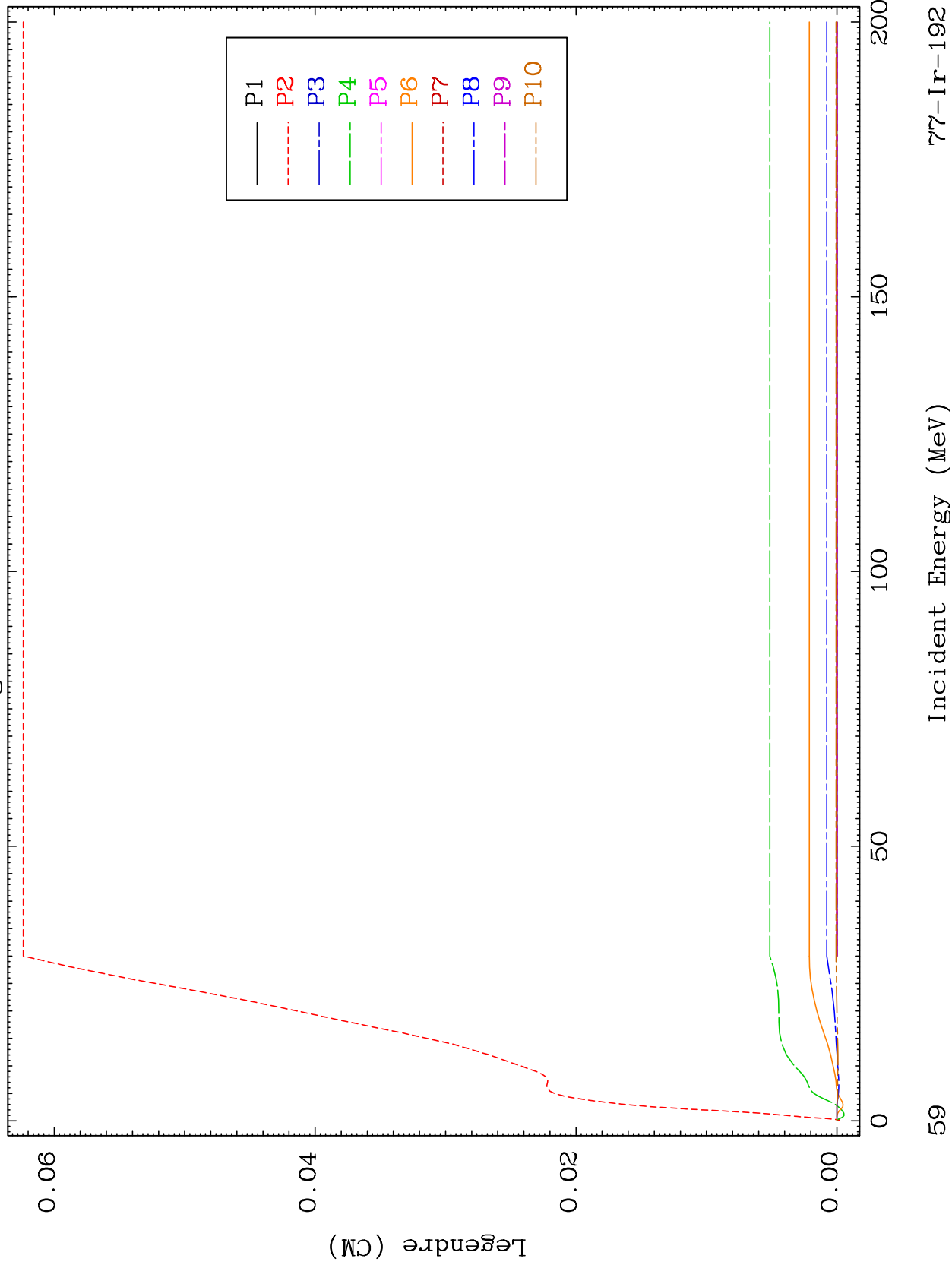




MAT 7728

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

77-Ir-192

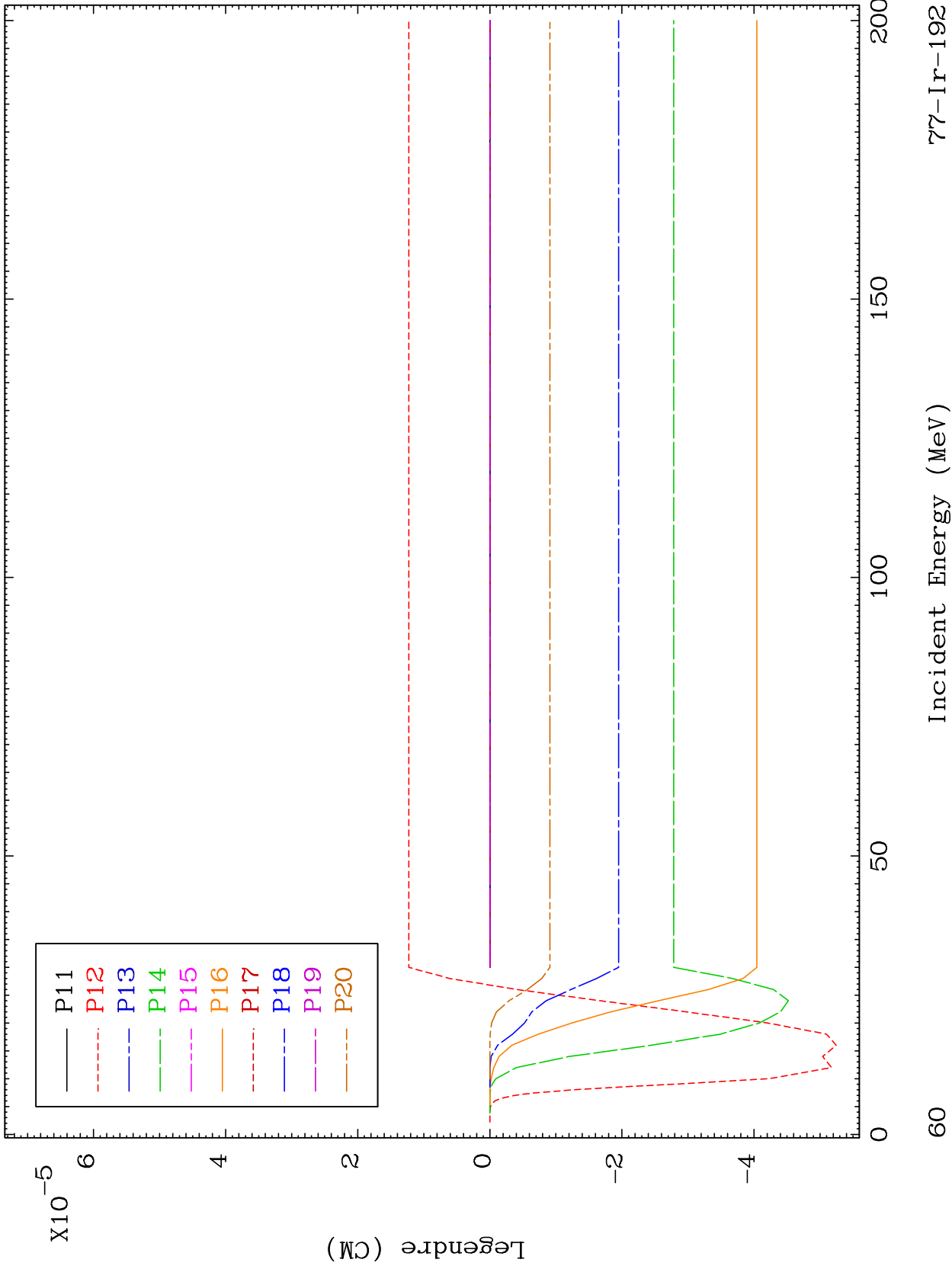


59

MAT 7728

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

77-Ir-192

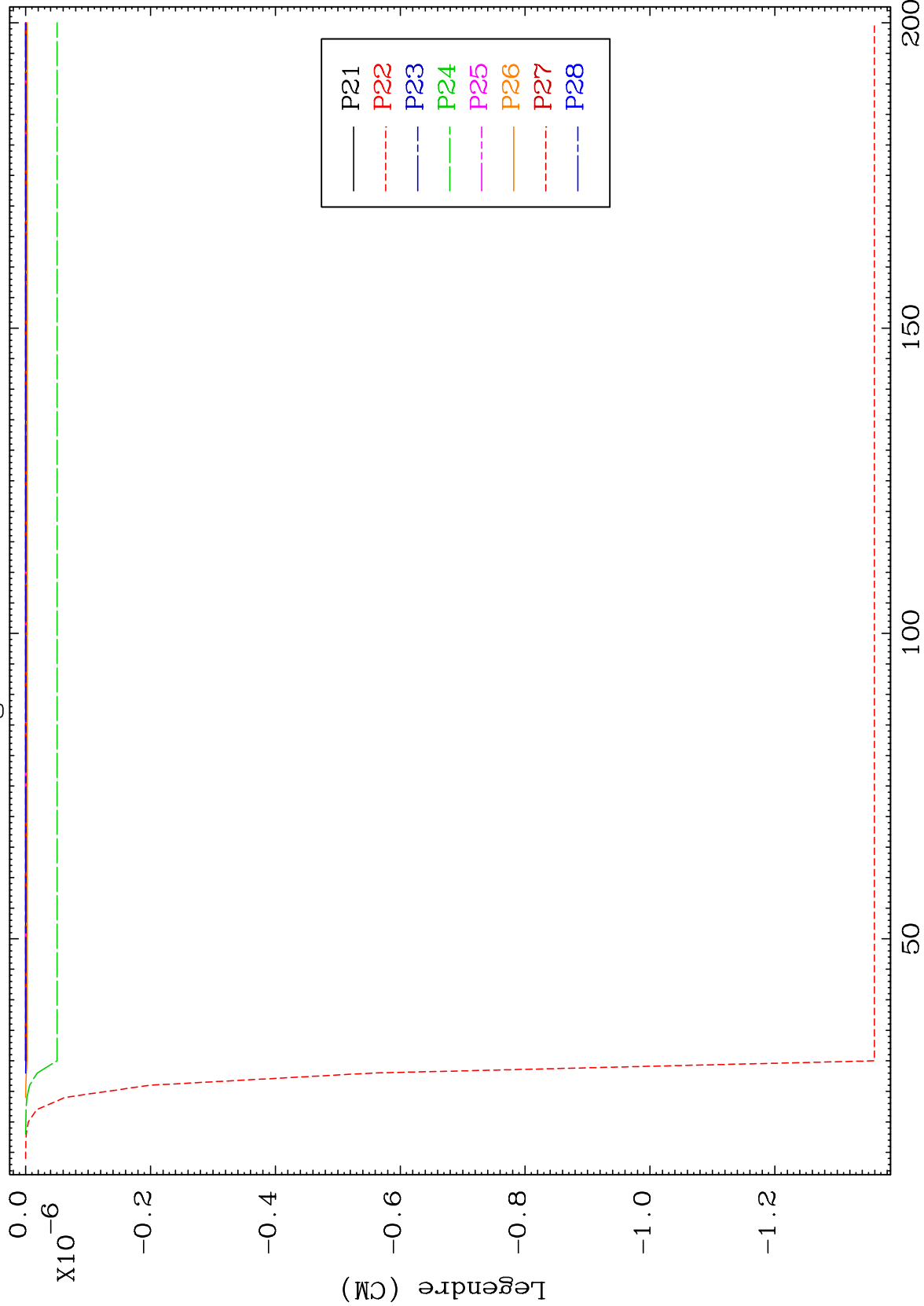


77-Ir-192

MAT 7728

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

77-Ir-192



61

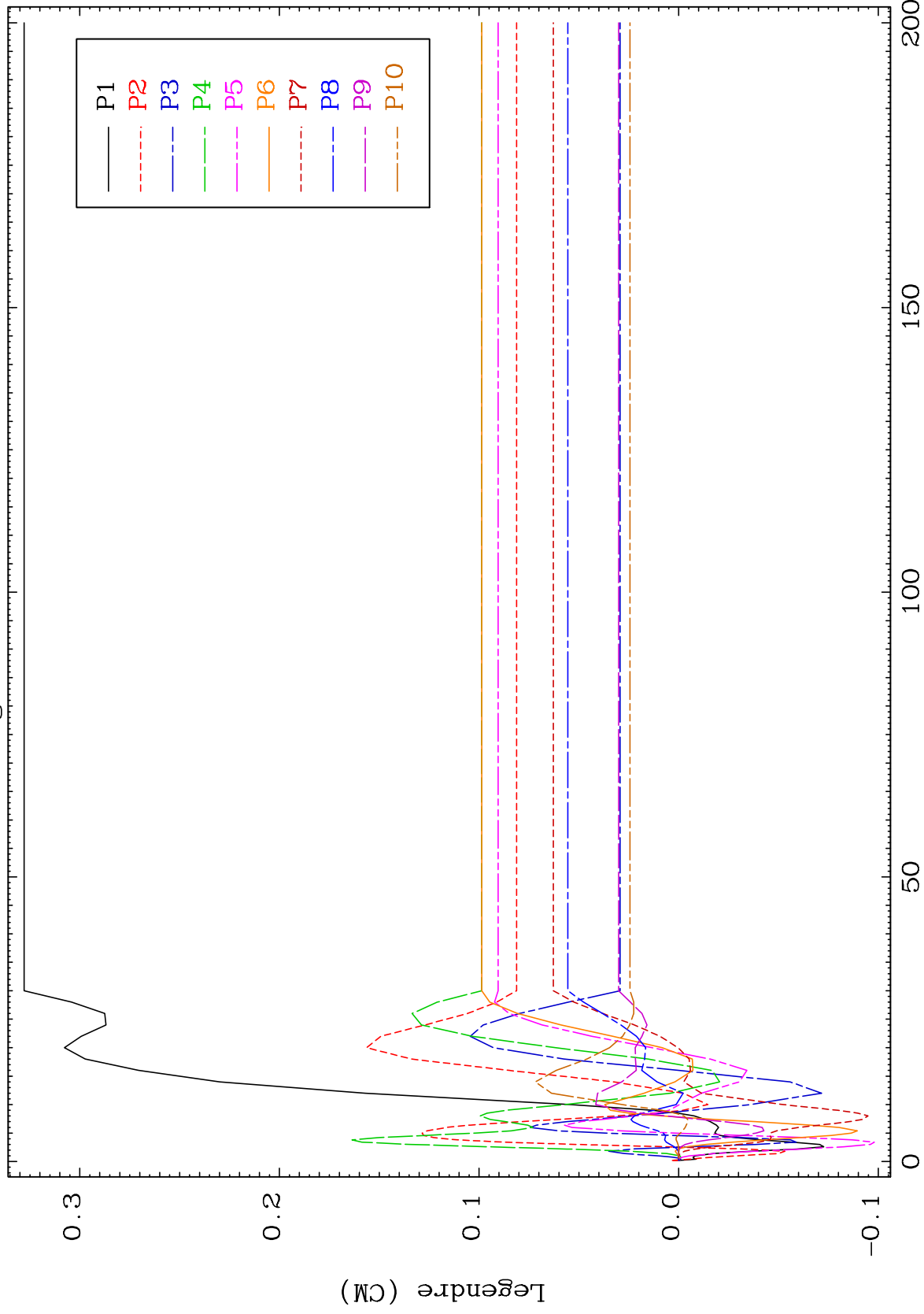
Incident Energy (MeV)

77-Ir-192

MAT 7728

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

77-Ir-192



77-Ir-192

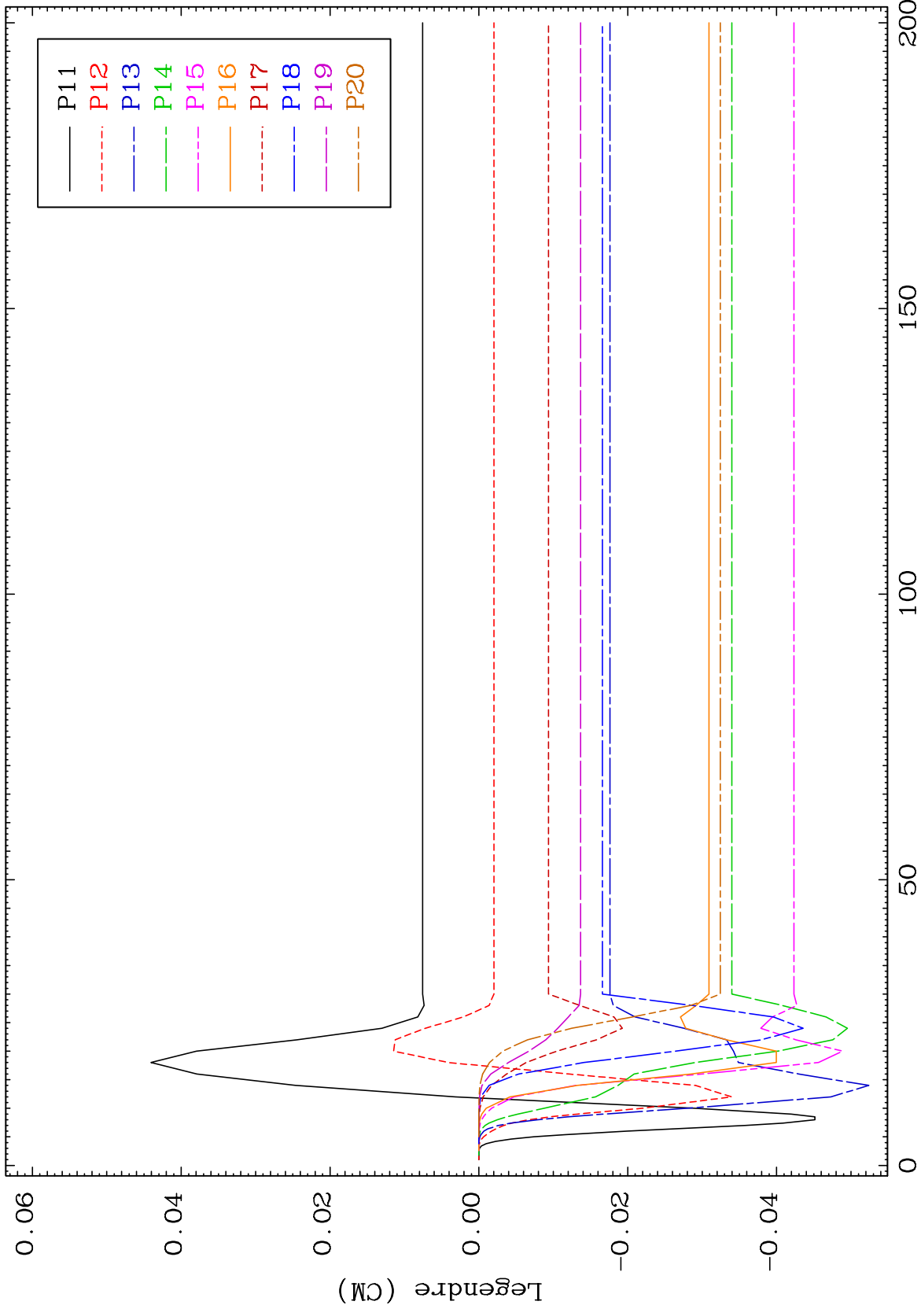
Incident Energy (MeV)

62

MAT 7728

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

77-Ir-192



63

Incident Energy (MeV)

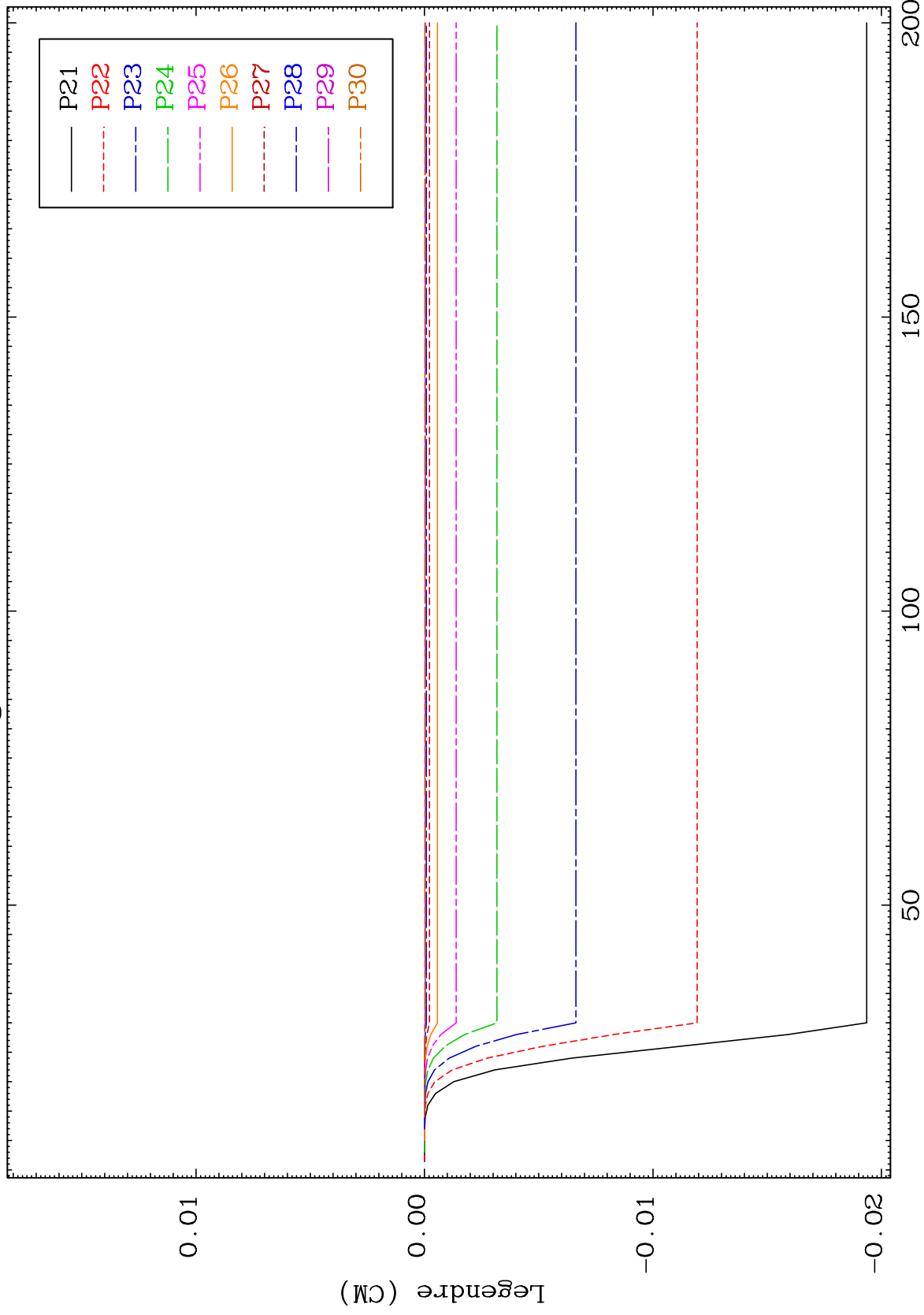
77-Ir-192



MAT 7728

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

77-Ir-192



64

Incident Energy (MeV)

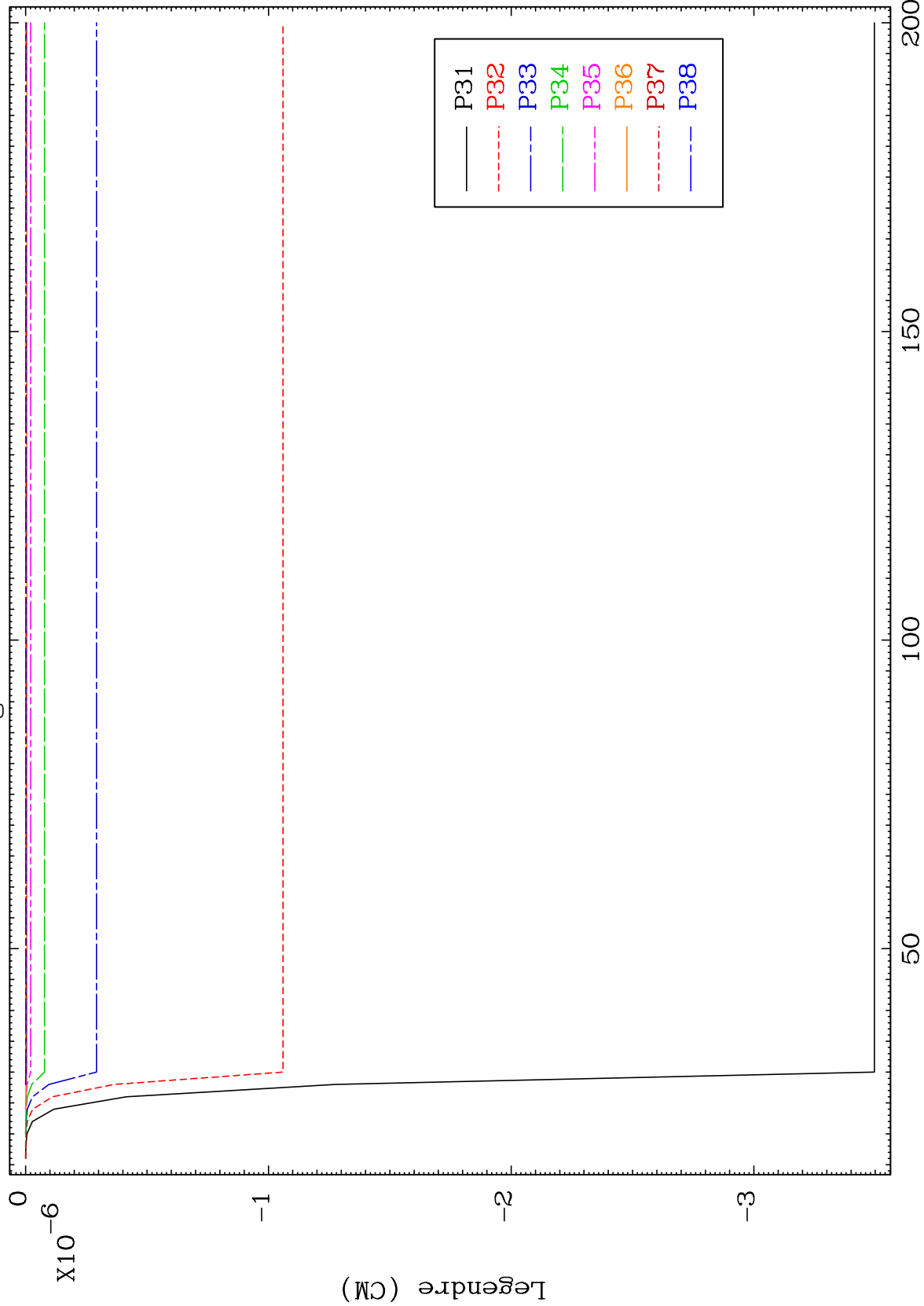
77-Ir-192

MAT 7728

MT= 63 (n,n') Level

77-Ir-192

Legendre Coefficients



65

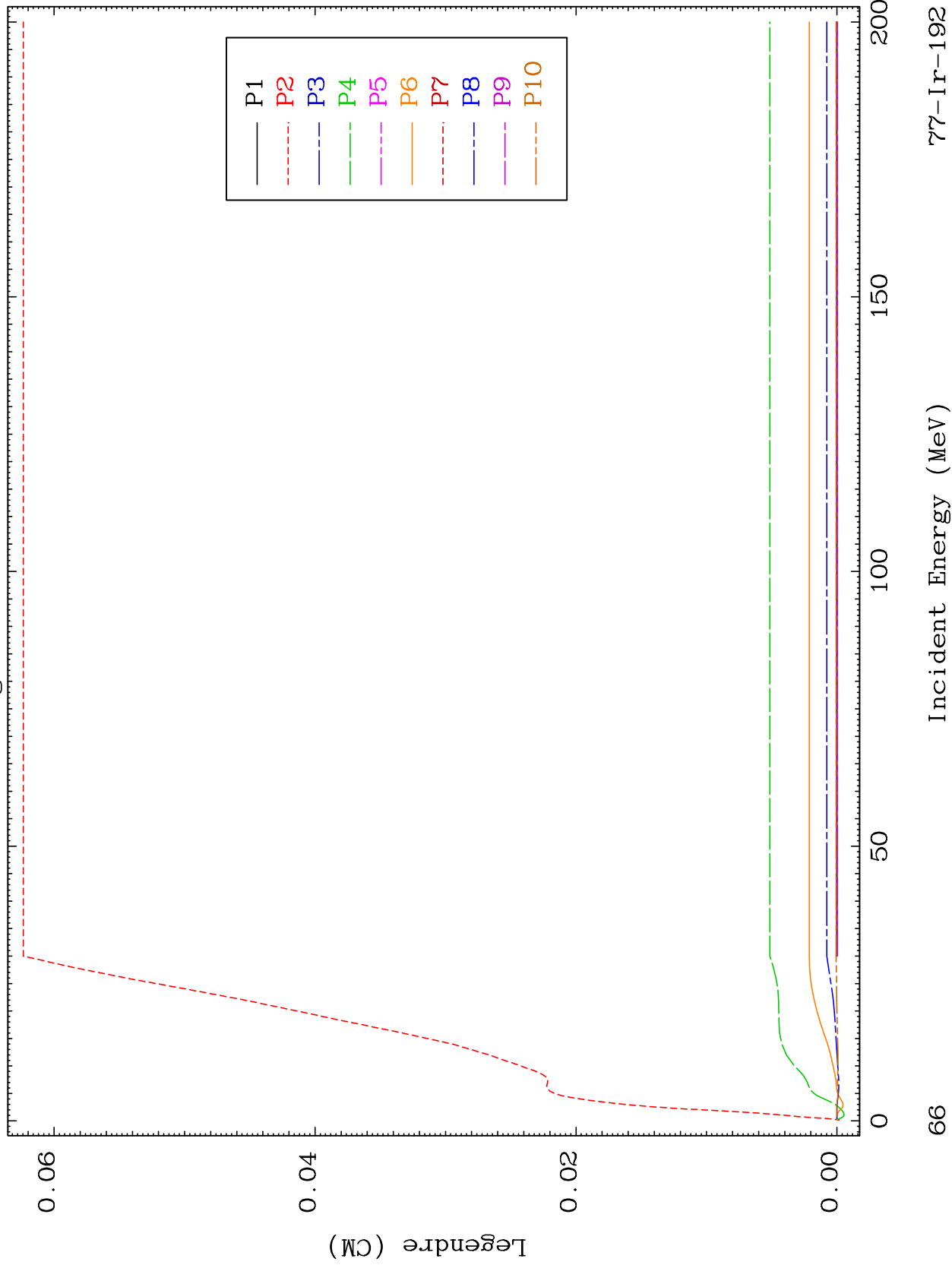
Incident Energy (MeV)

77-Ir-192

MAT 7728

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

77-Ir-192



77-Ir-192

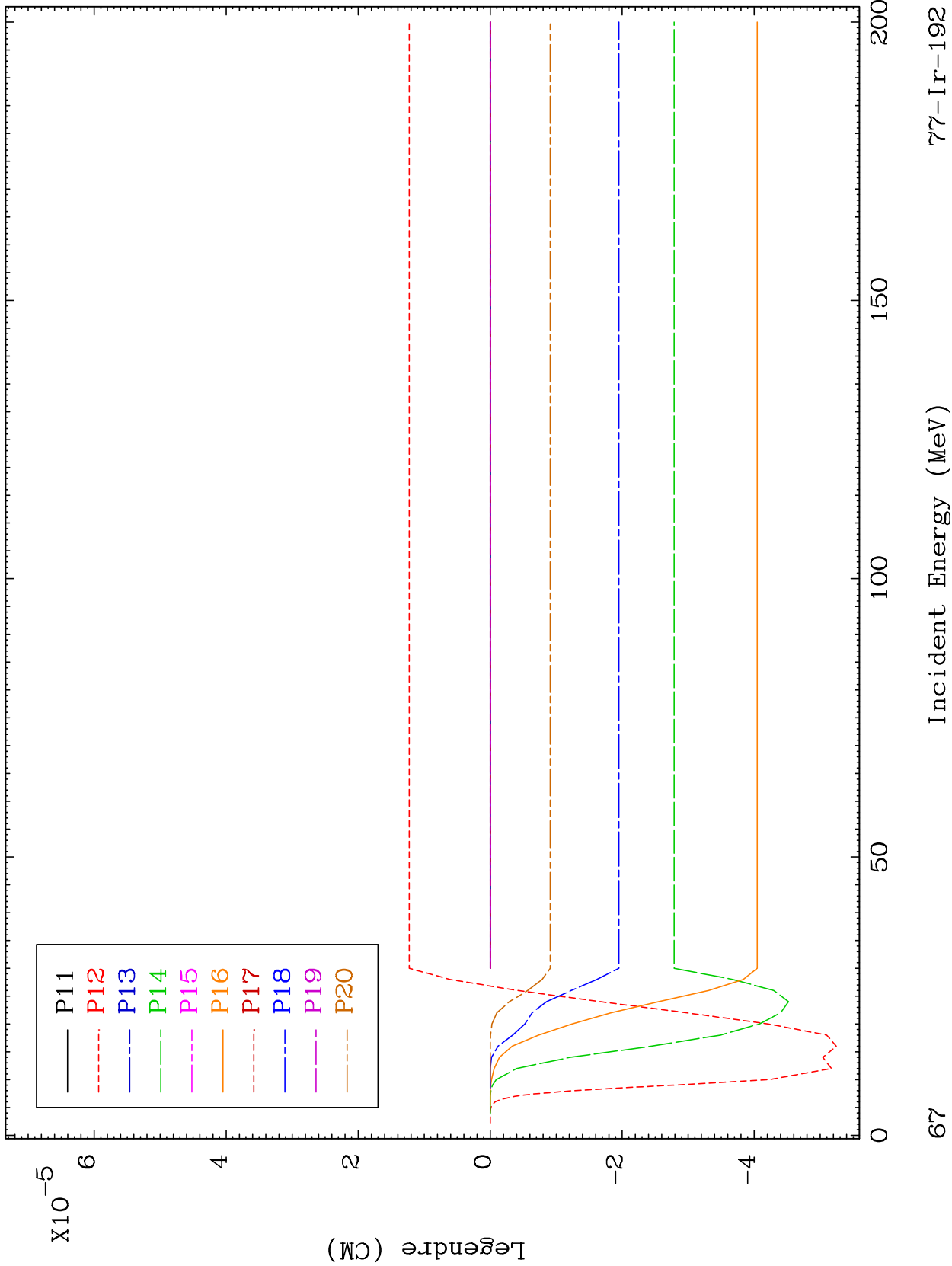
Incident Energy (MeV)

66

MAT 7728

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

77-Ir-192



77-Ir-192

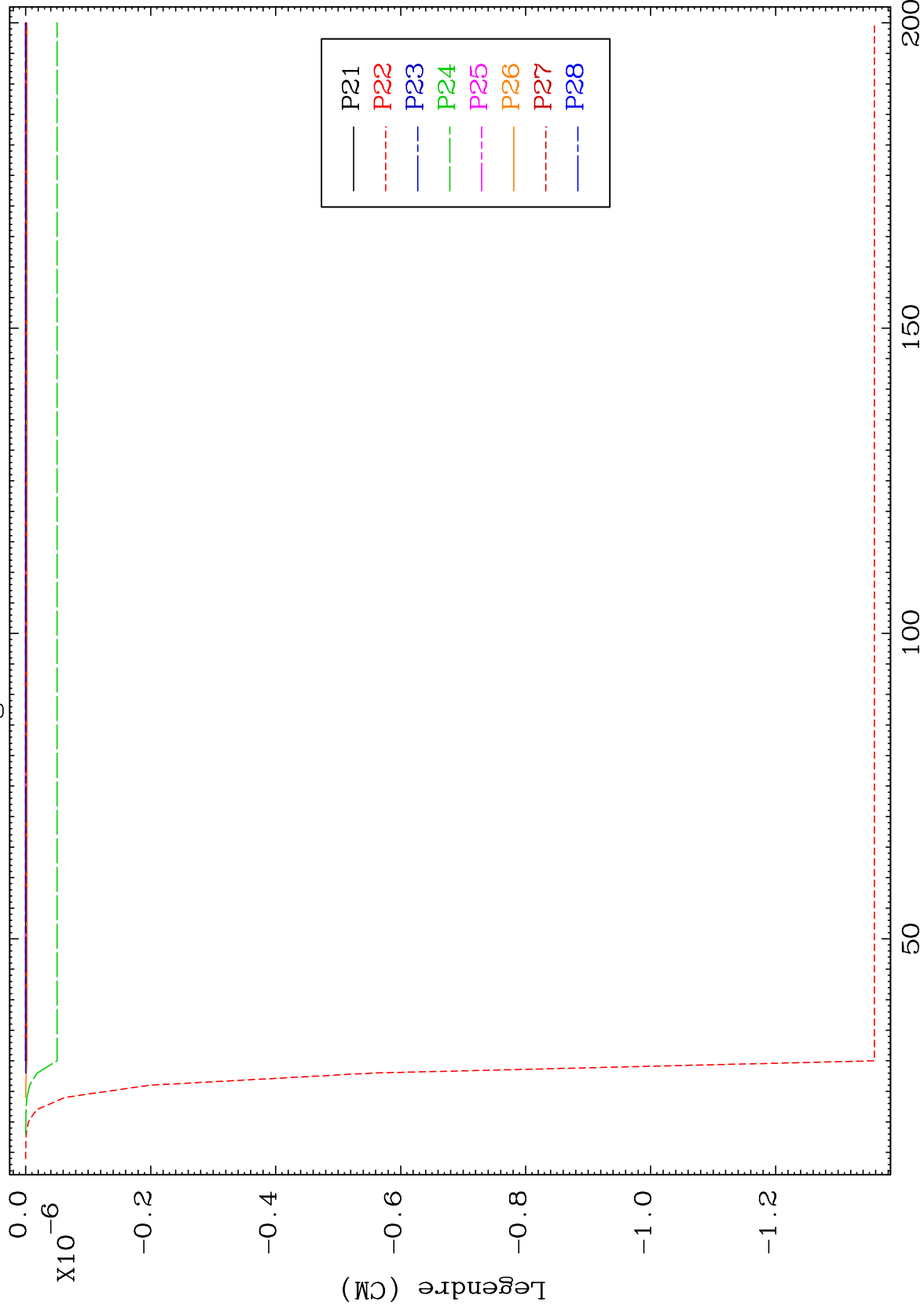
Incident Energy (MeV)

67

MAT 7728

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

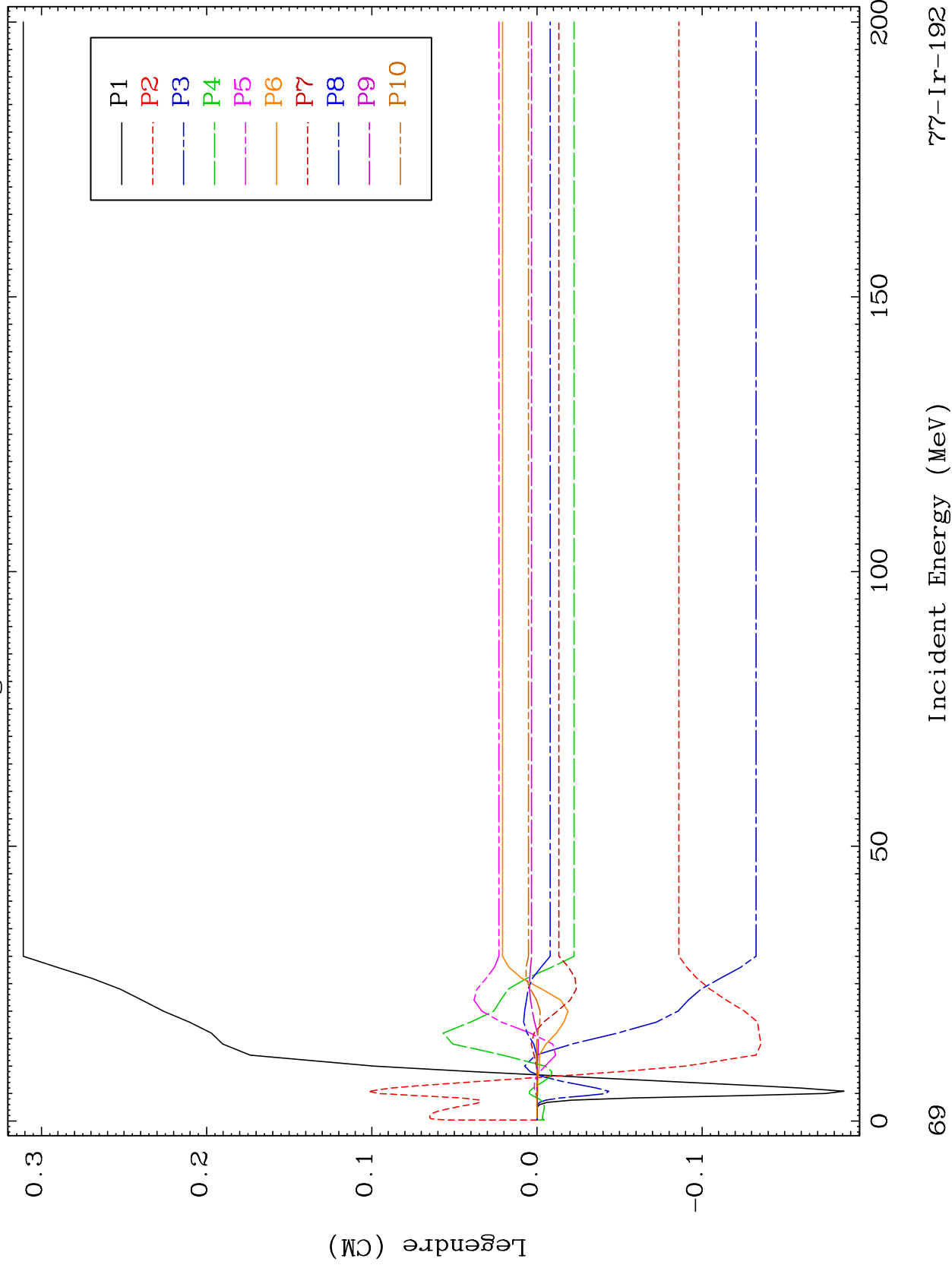
77-Ir-192



68

Incident Energy (MeV)

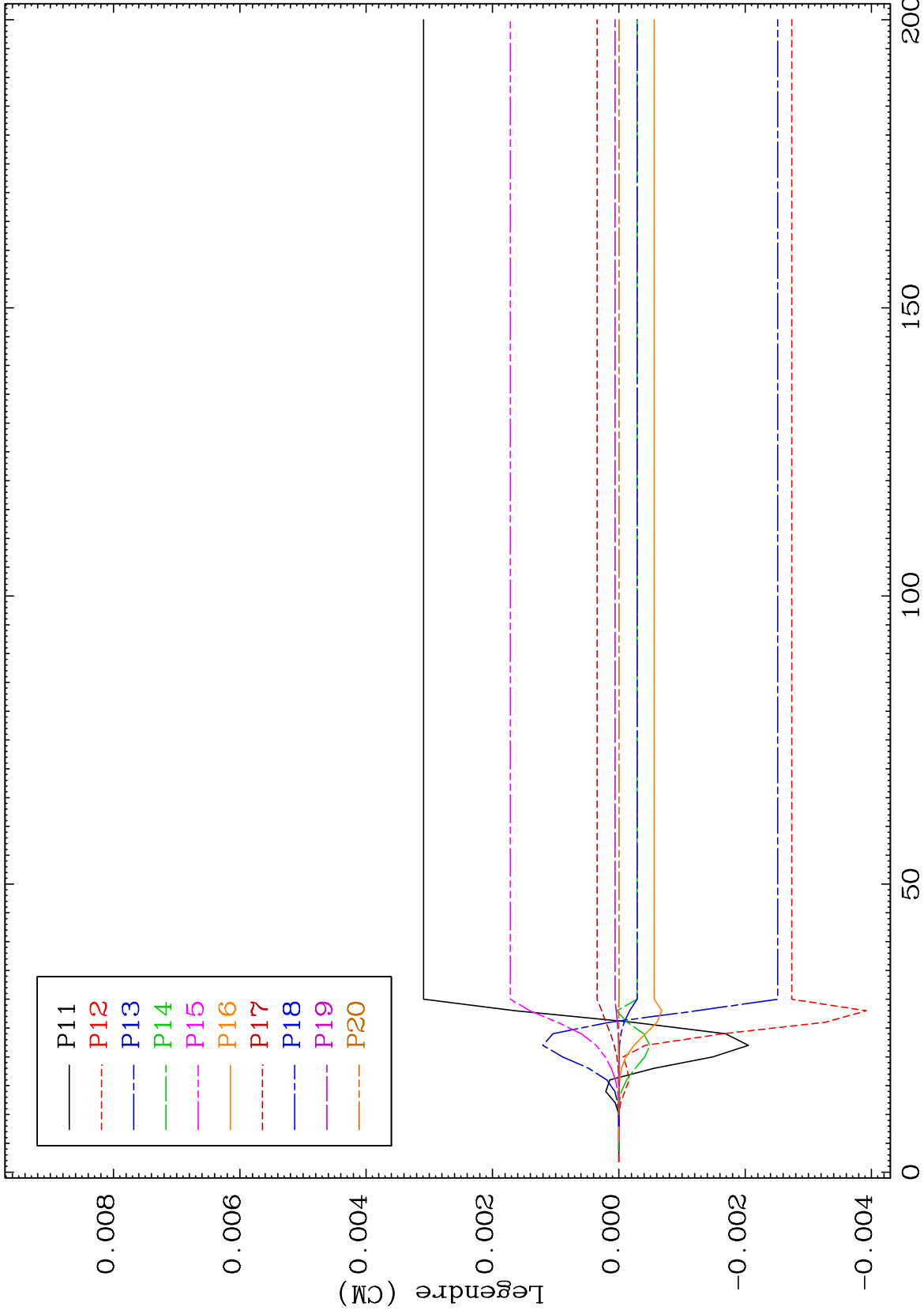
77-Ir-192



MAT 7728

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

77-Ir-192



70

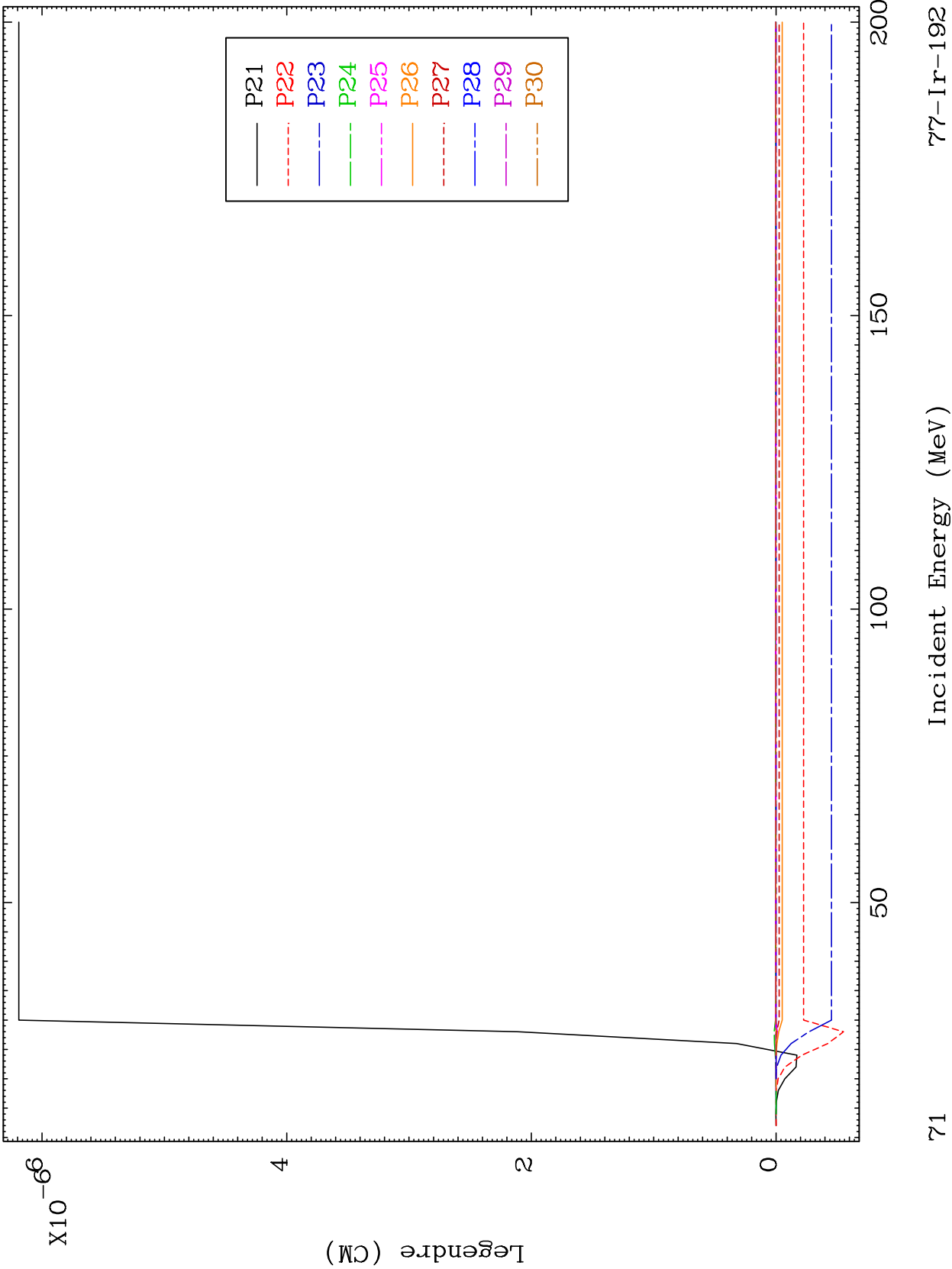
Incident Energy (MeV)

77-Ir-192

MAT 7728

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

77-Ir-192



71

Incident Energy (MeV)

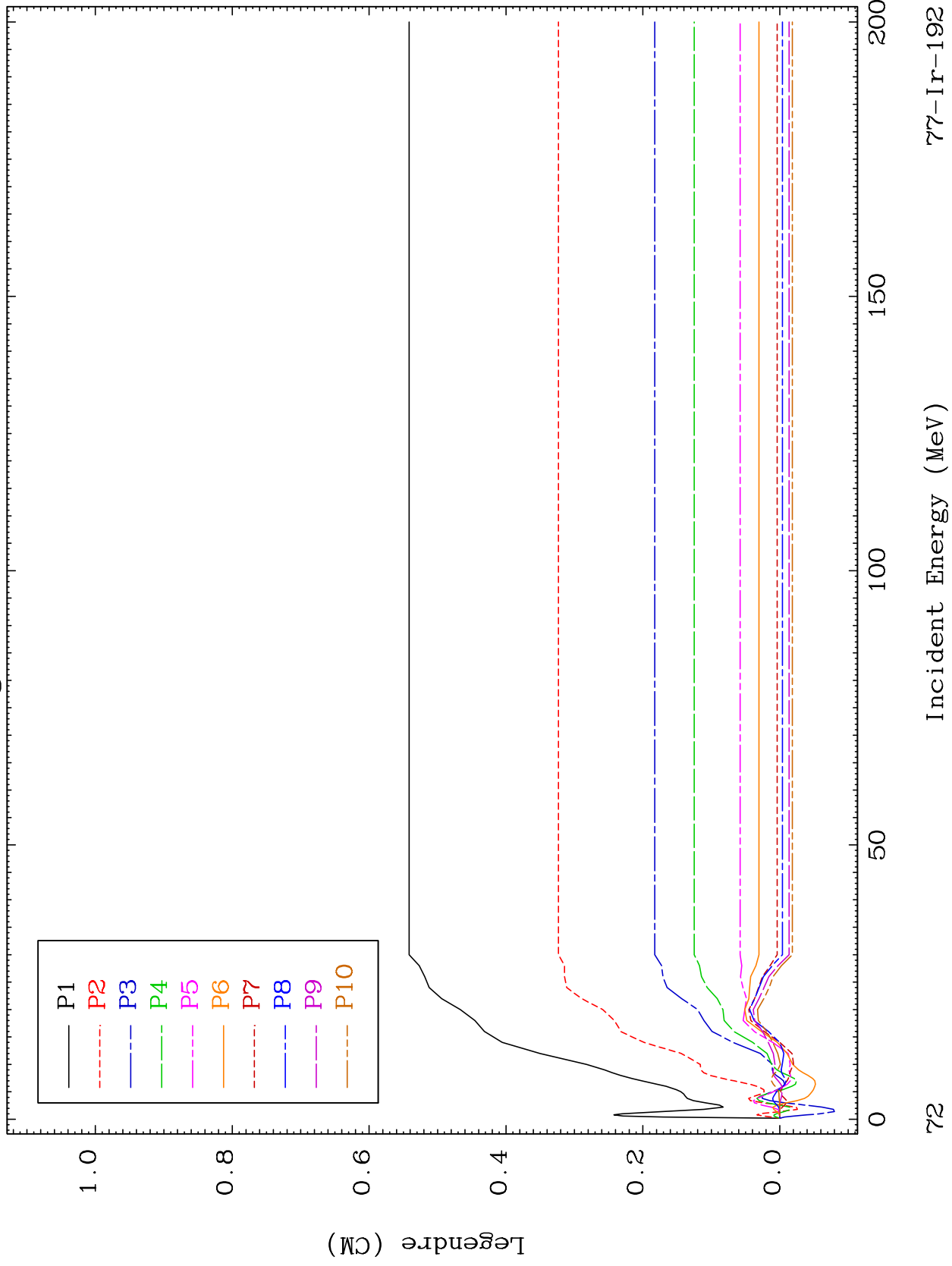
77-Ir-192



MAT 7728

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

77-Ir-192



77-Ir-192

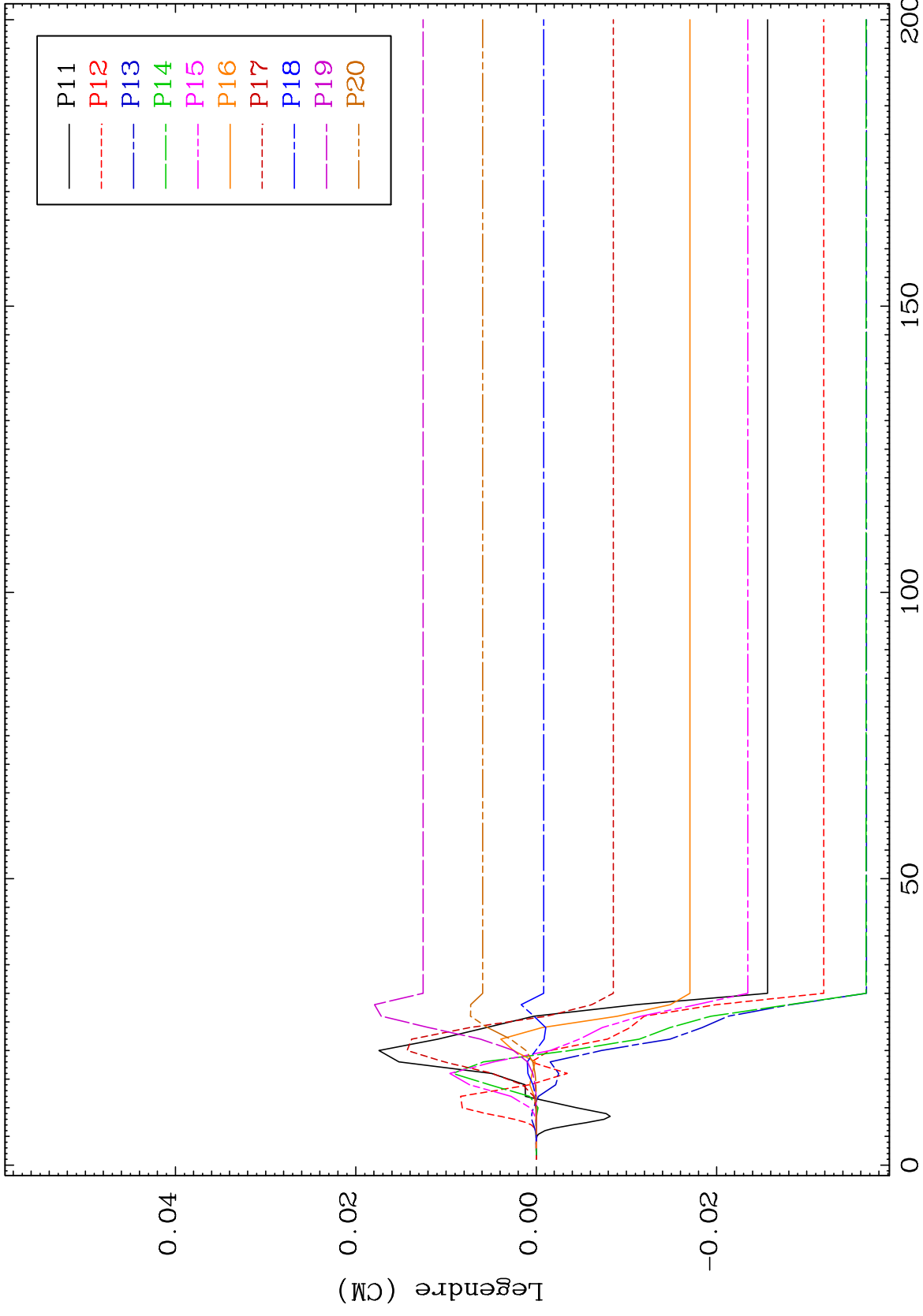
Incident Energy (MeV)

72

MAT 7728

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

77-Ir-192



73

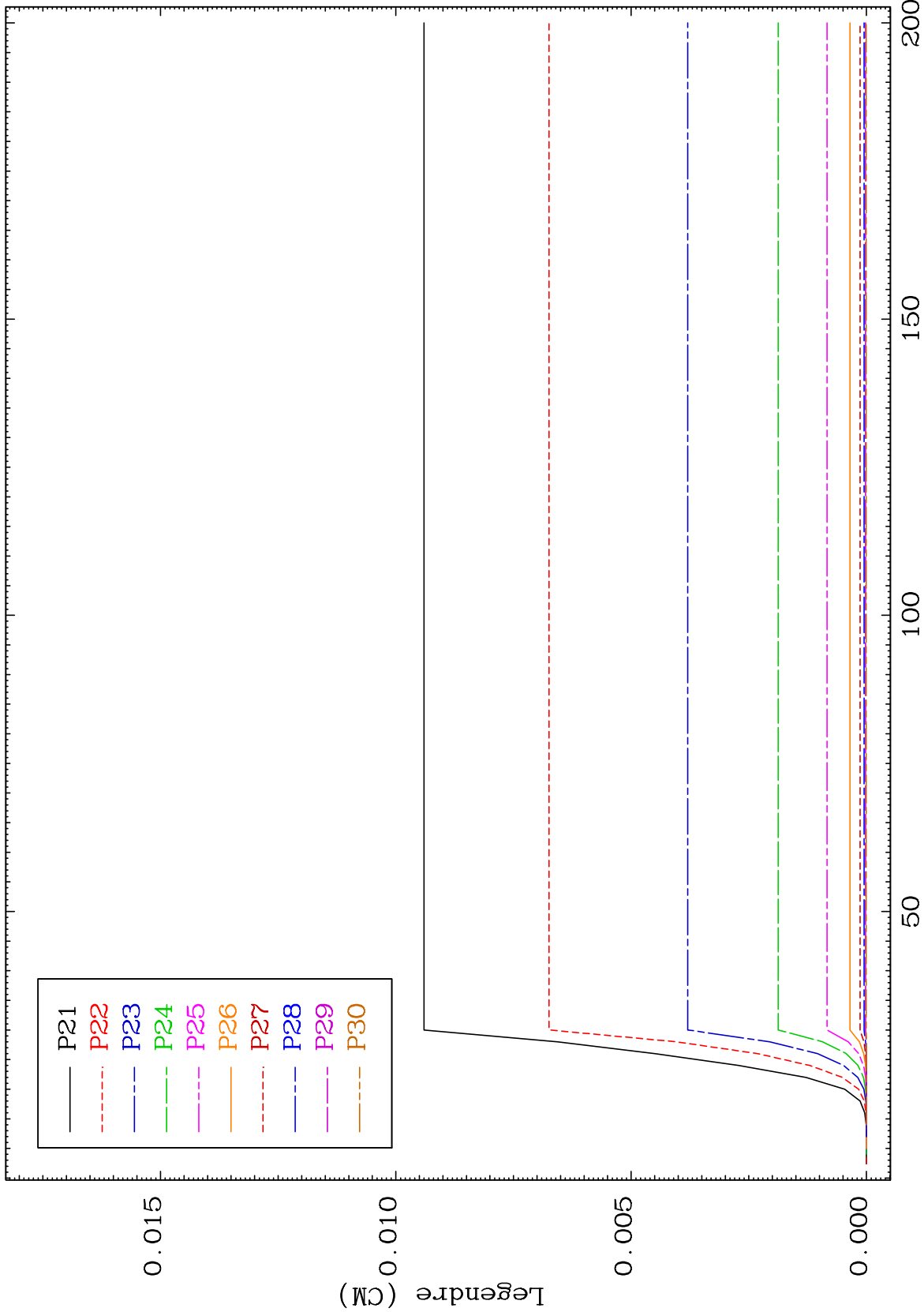
Incident Energy (MeV)

77-Ir-192

MAT 7728

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

77-Ir-192



74

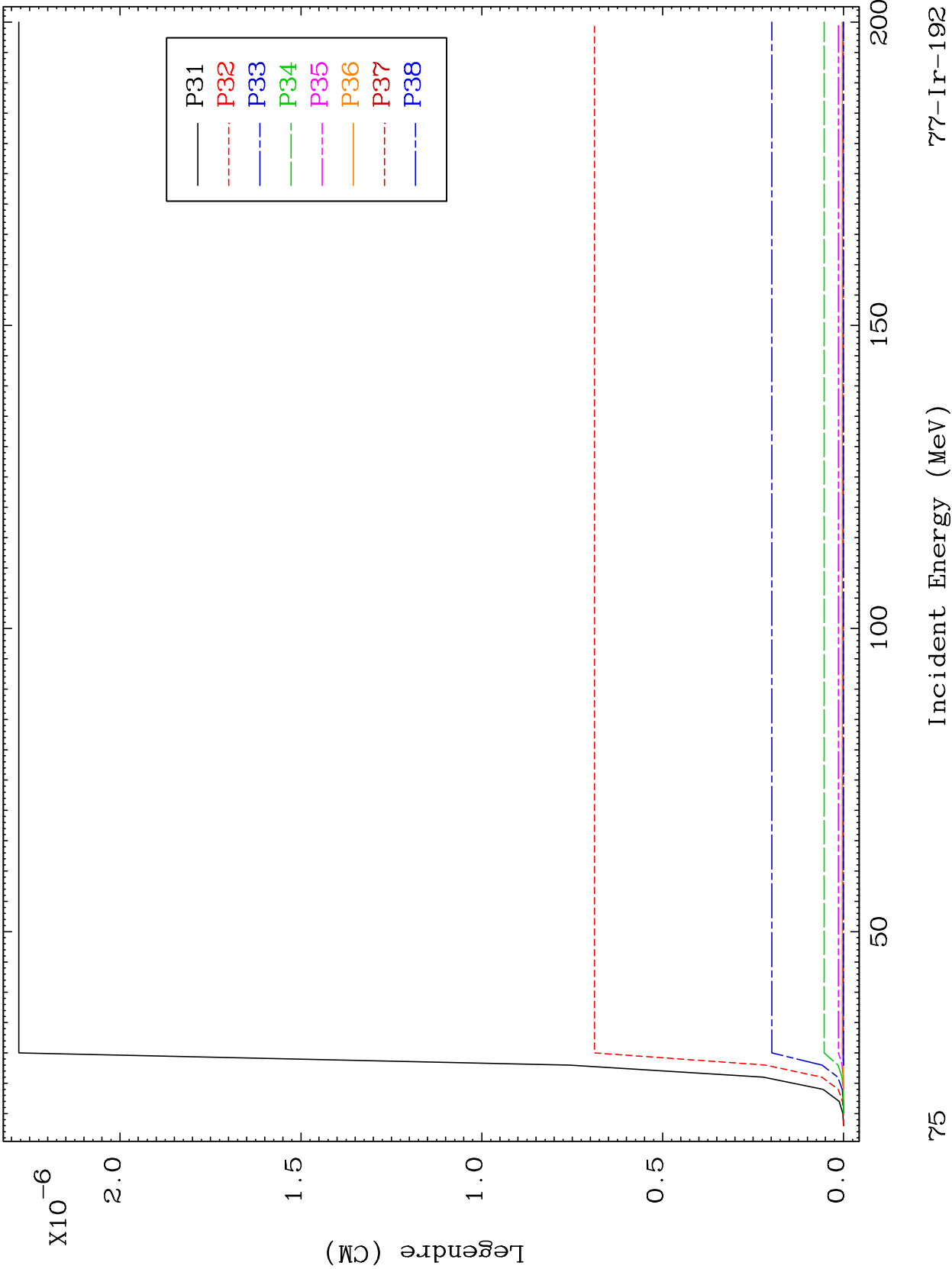
Incident Energy (MeV)

77-Ir-192

MAT 7728

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

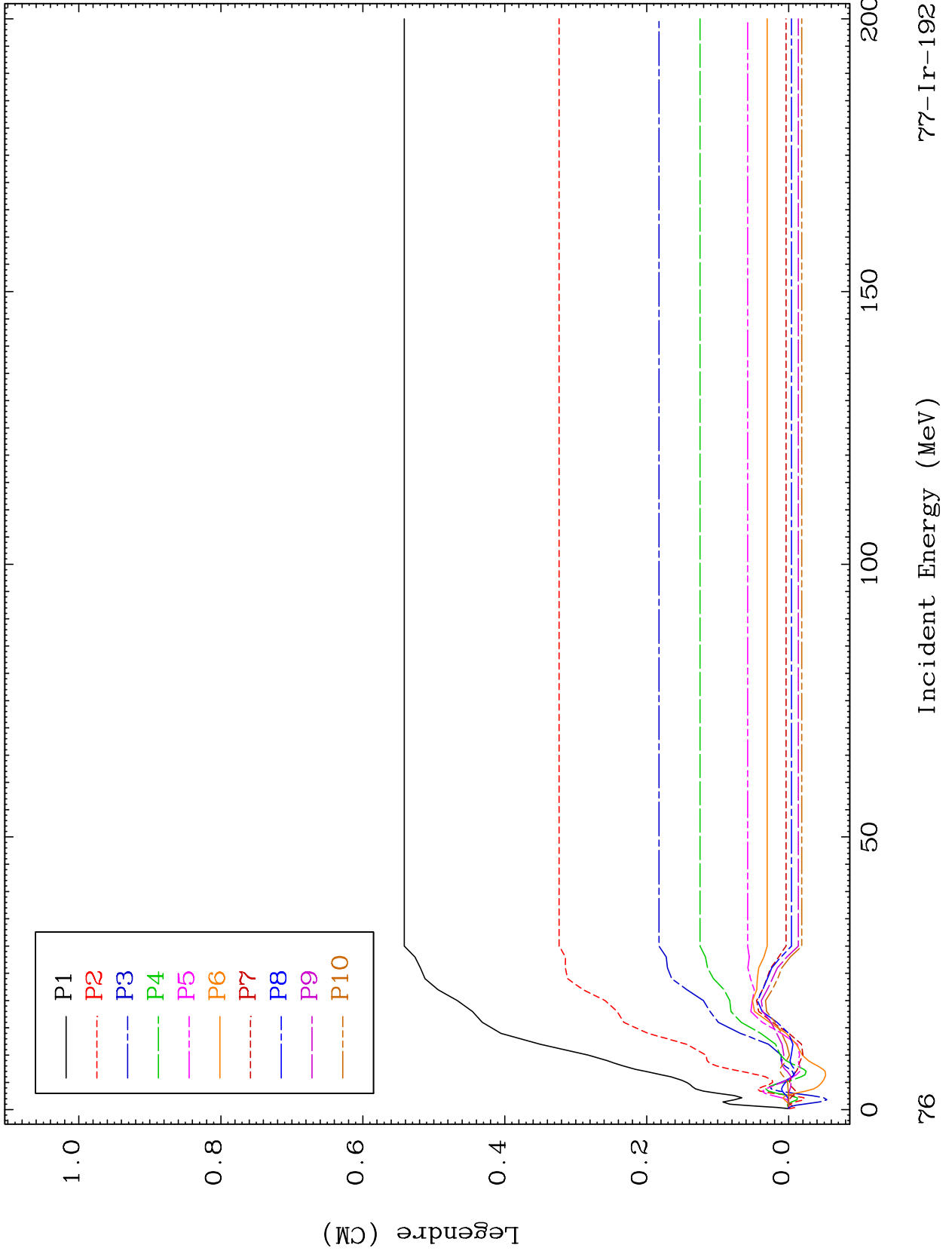
77-Ir-192



MAT 7728

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

77-Ir-192



76

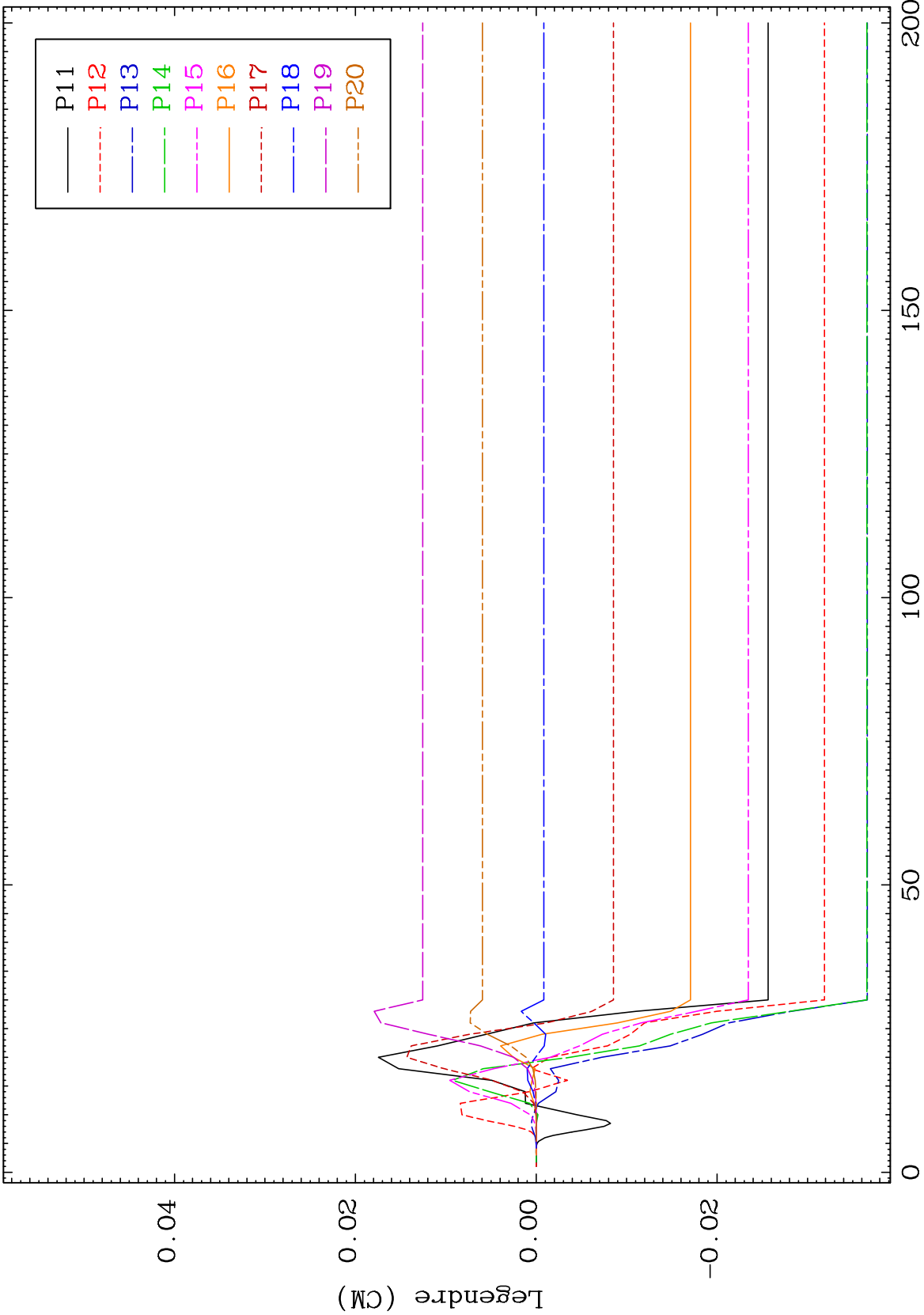
Incident Energy (MeV)

77-Ir-192

MAT 7728

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

77-Ir-192



77

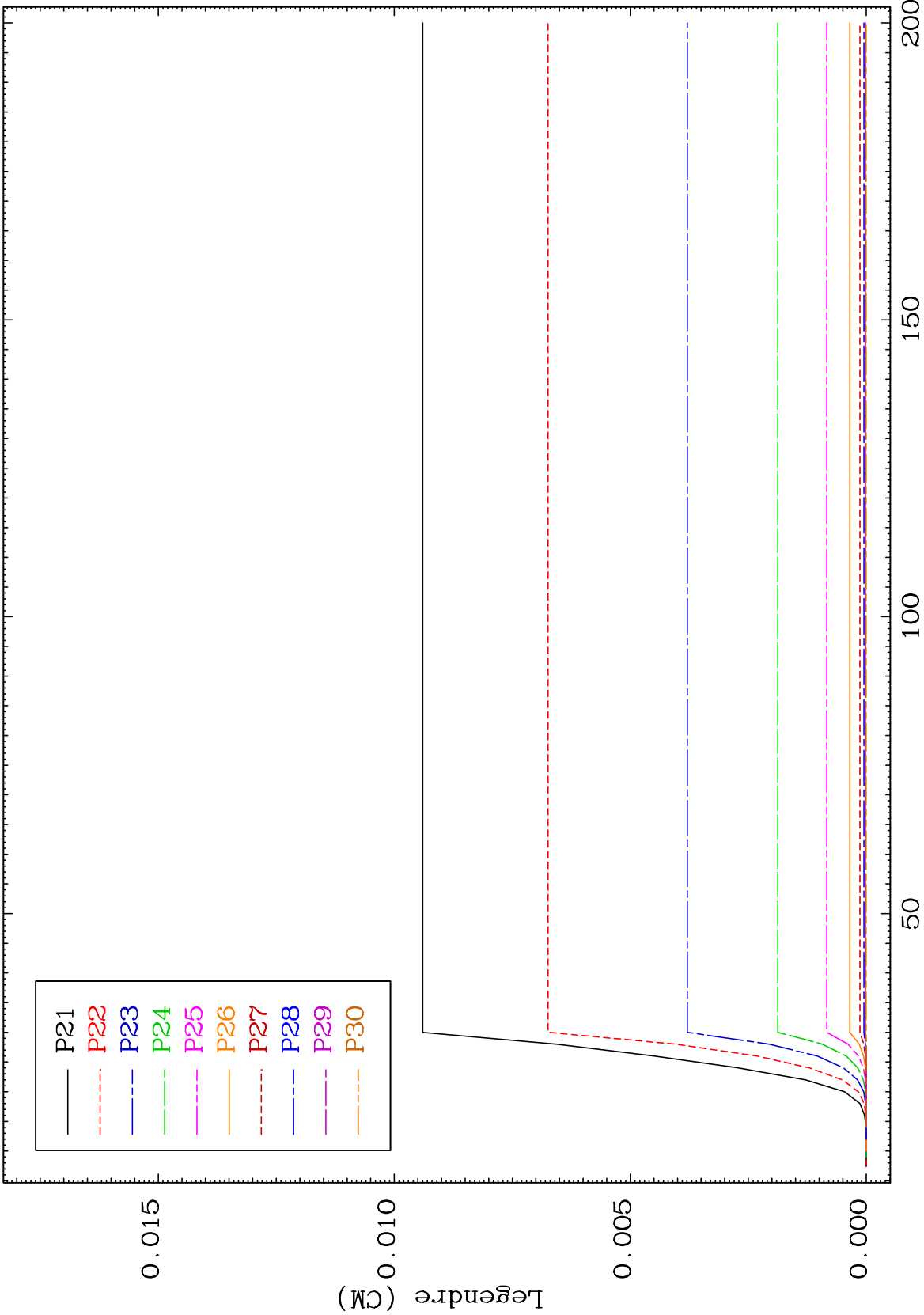
Incident Energy (MeV)

77-Ir-192

MAT 7728

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

77-Ir-192



78

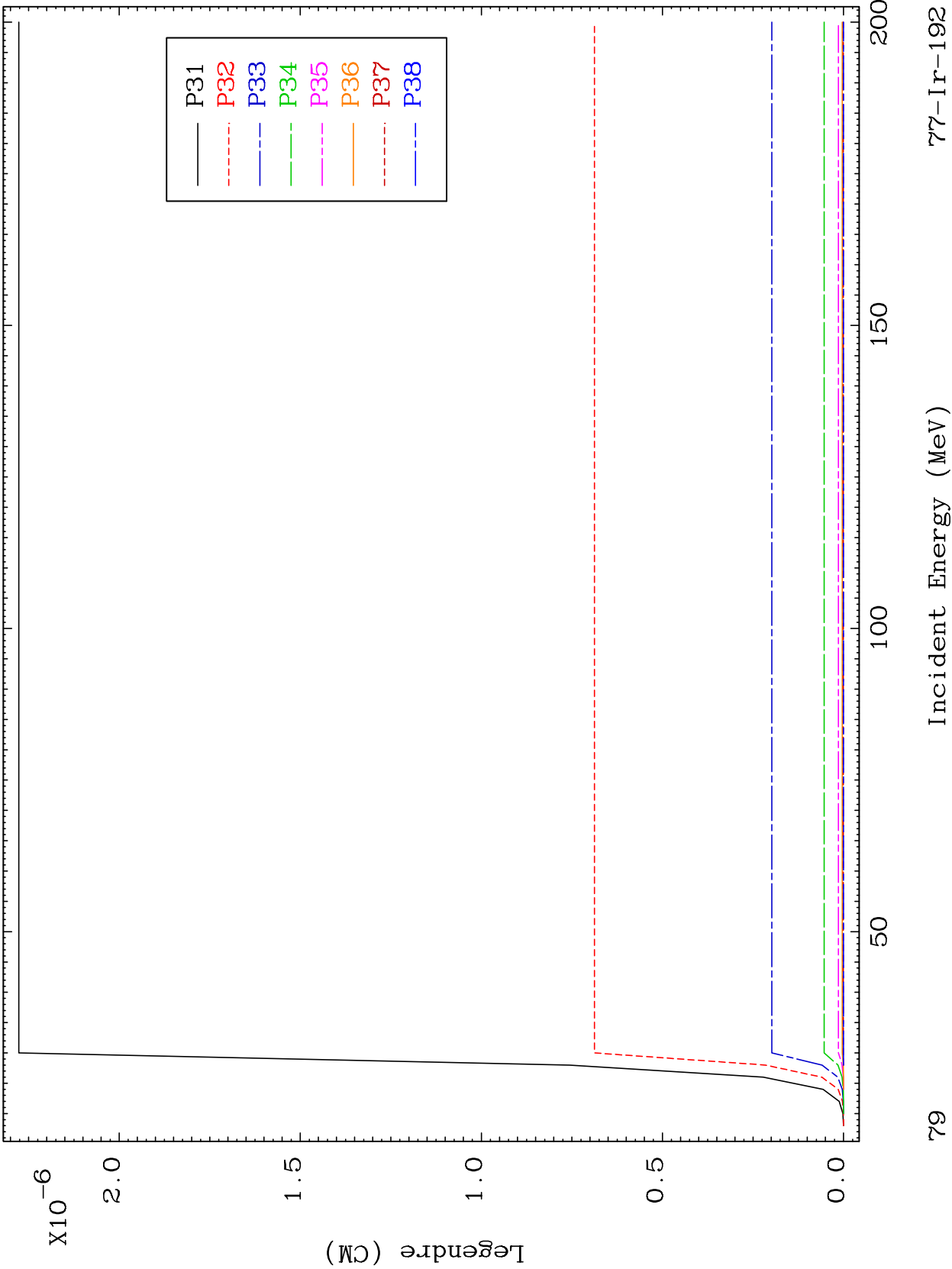
Incident Energy (MeV)

77-Ir-192

MAT 7728

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

77-Ir-192

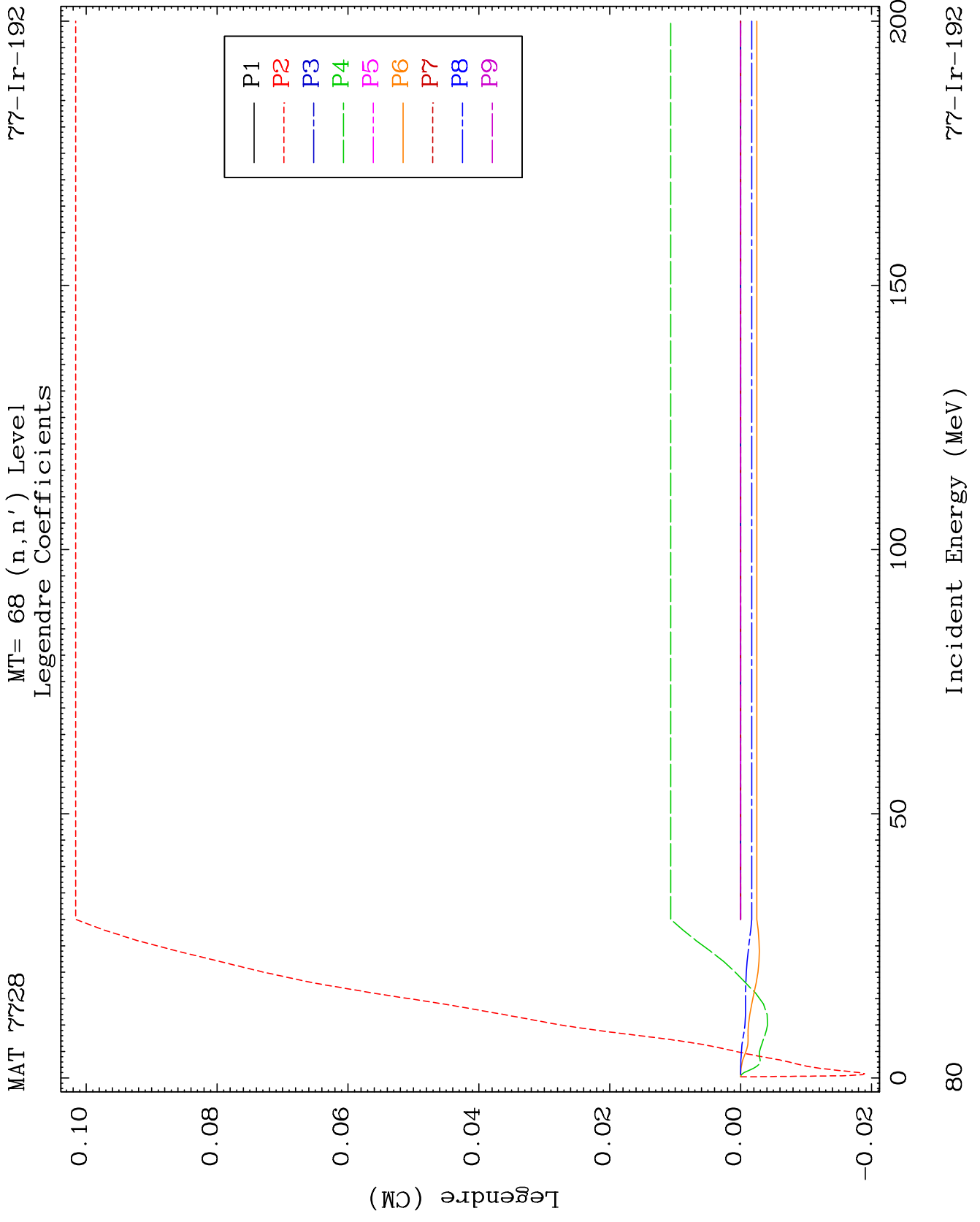


79

Incident Energy (MeV)

77-Ir-192



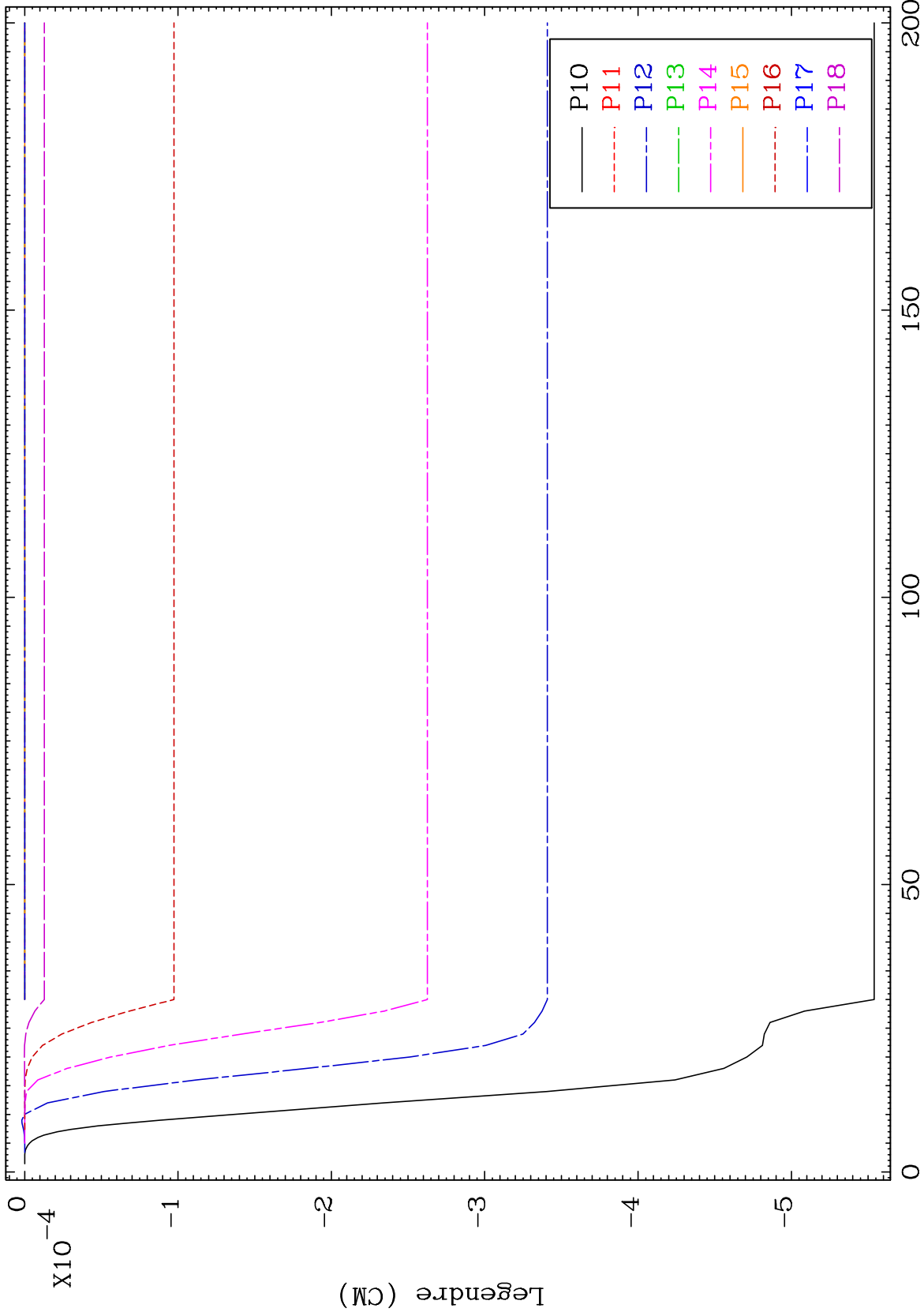


MAT 7728

MT= 68 (n,n') Level

77-Ir-192

Legendre Coefficients



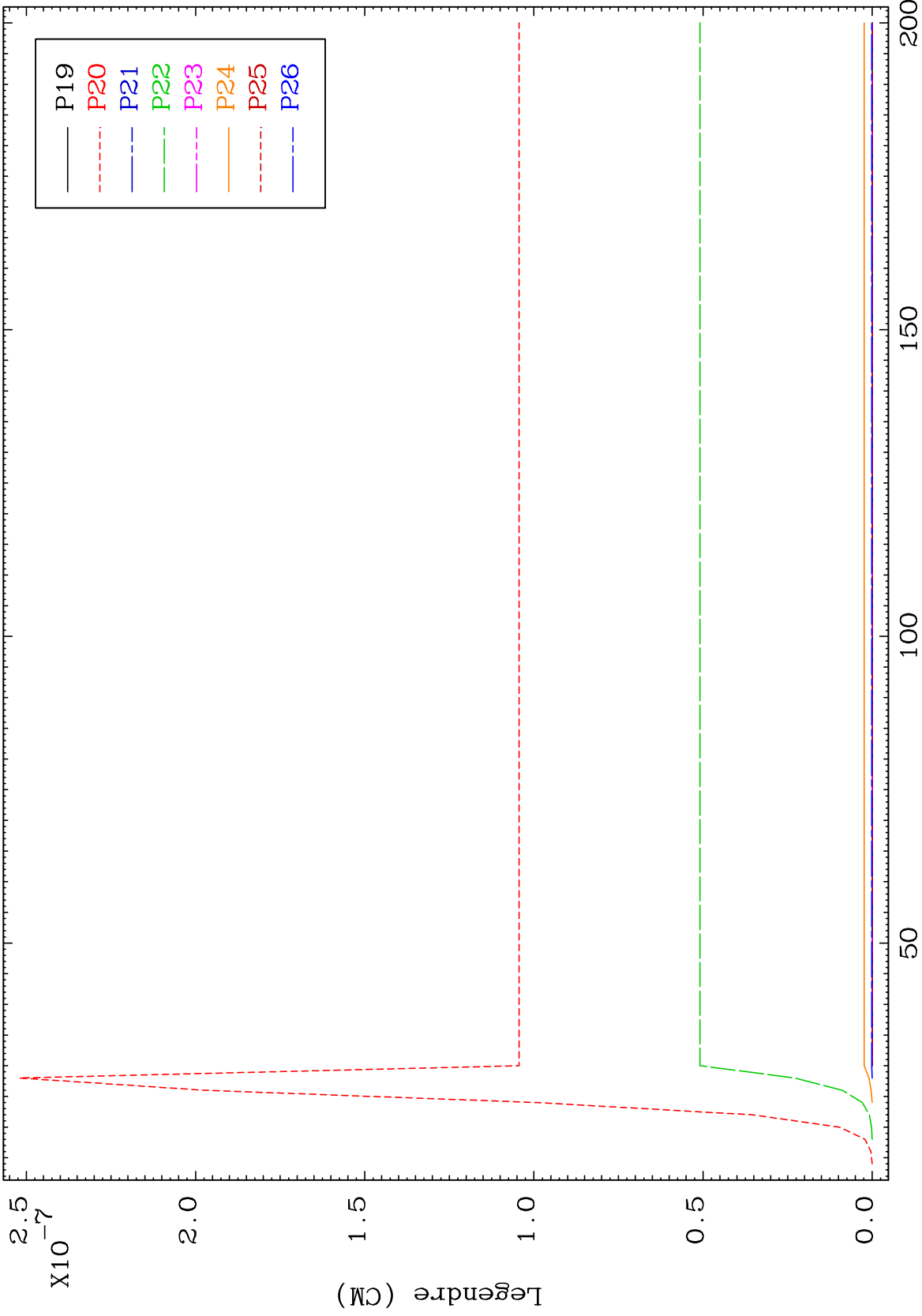
81

77-Ir-192

MAT 7728

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

77-Ir-192



82

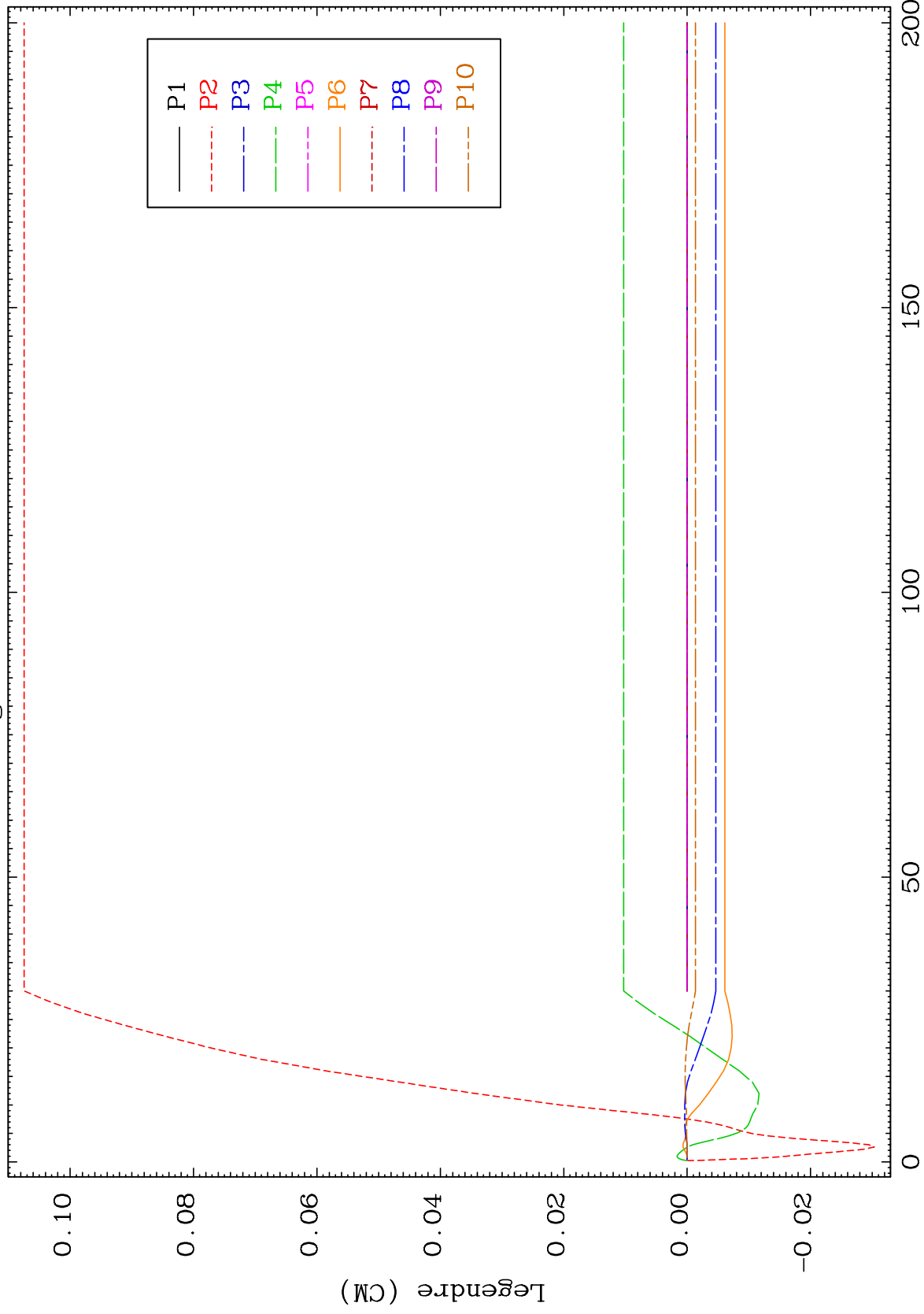
Incident Energy (MeV)

77-Ir-192

MAT 7728

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

77-Ir-192



83

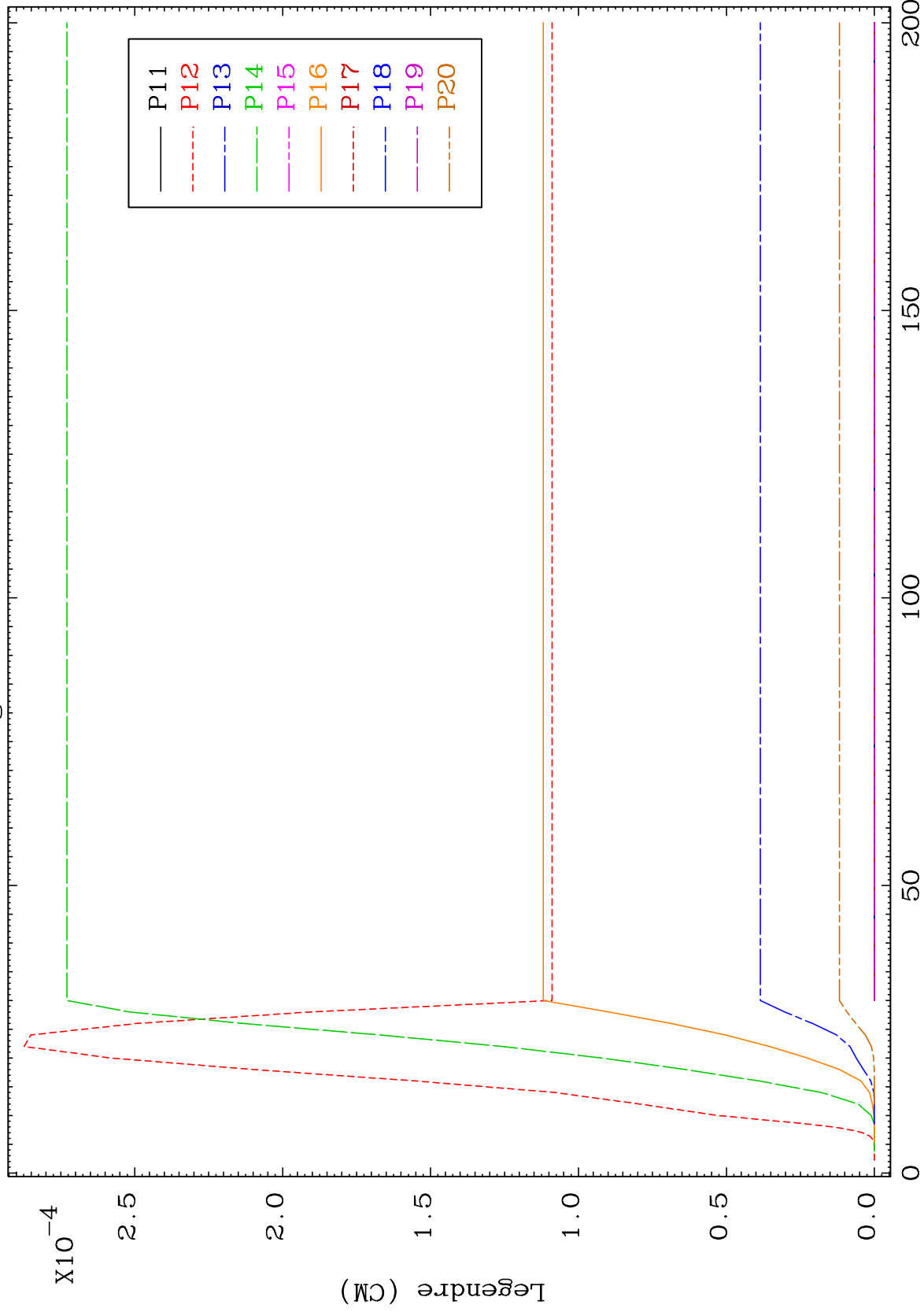
Incident Energy (MeV)

77-Ir-192

MAT 7728

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

77-Ir-192



84

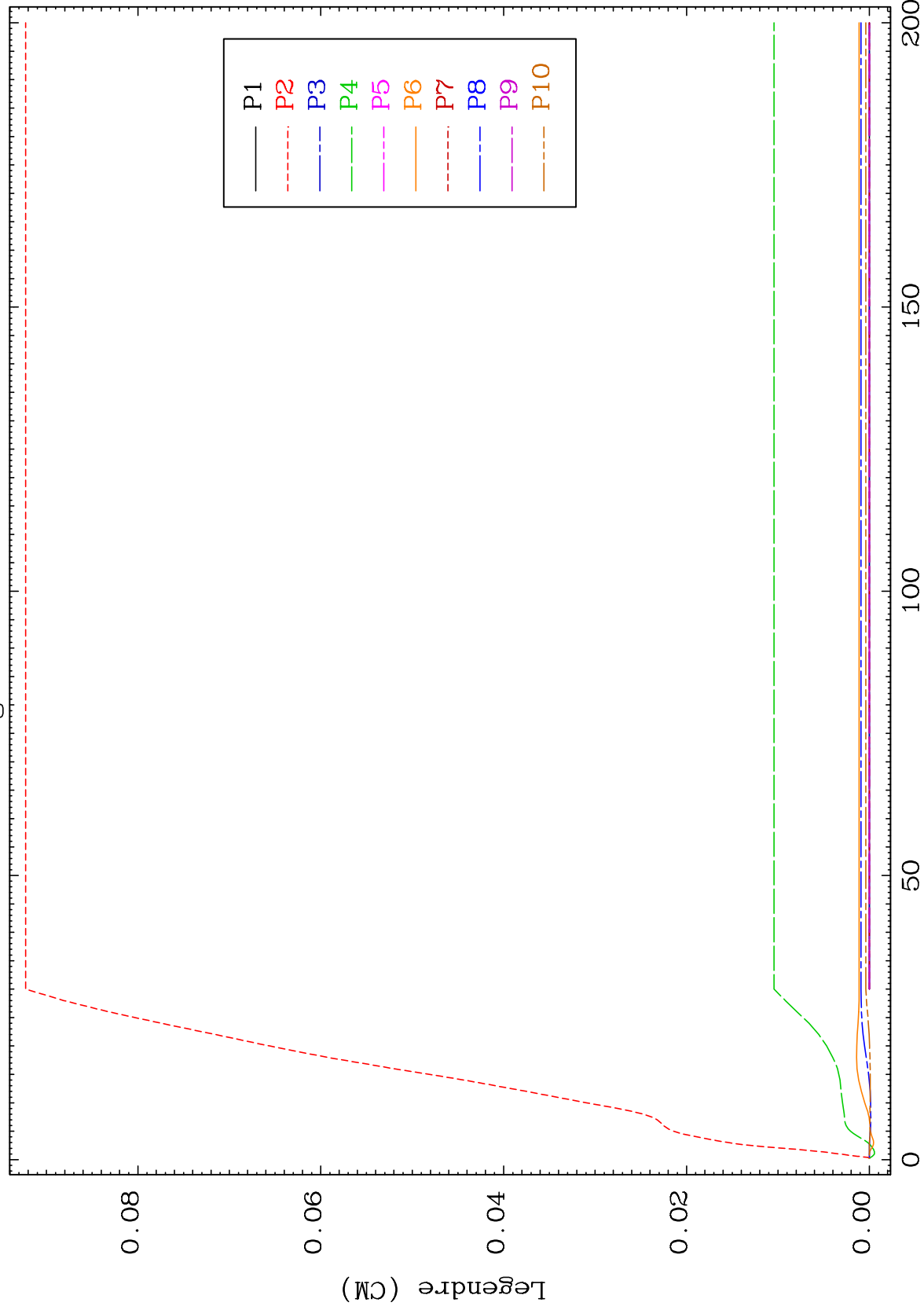
77-Ir-192



MAT 7728

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

77-Ir-192

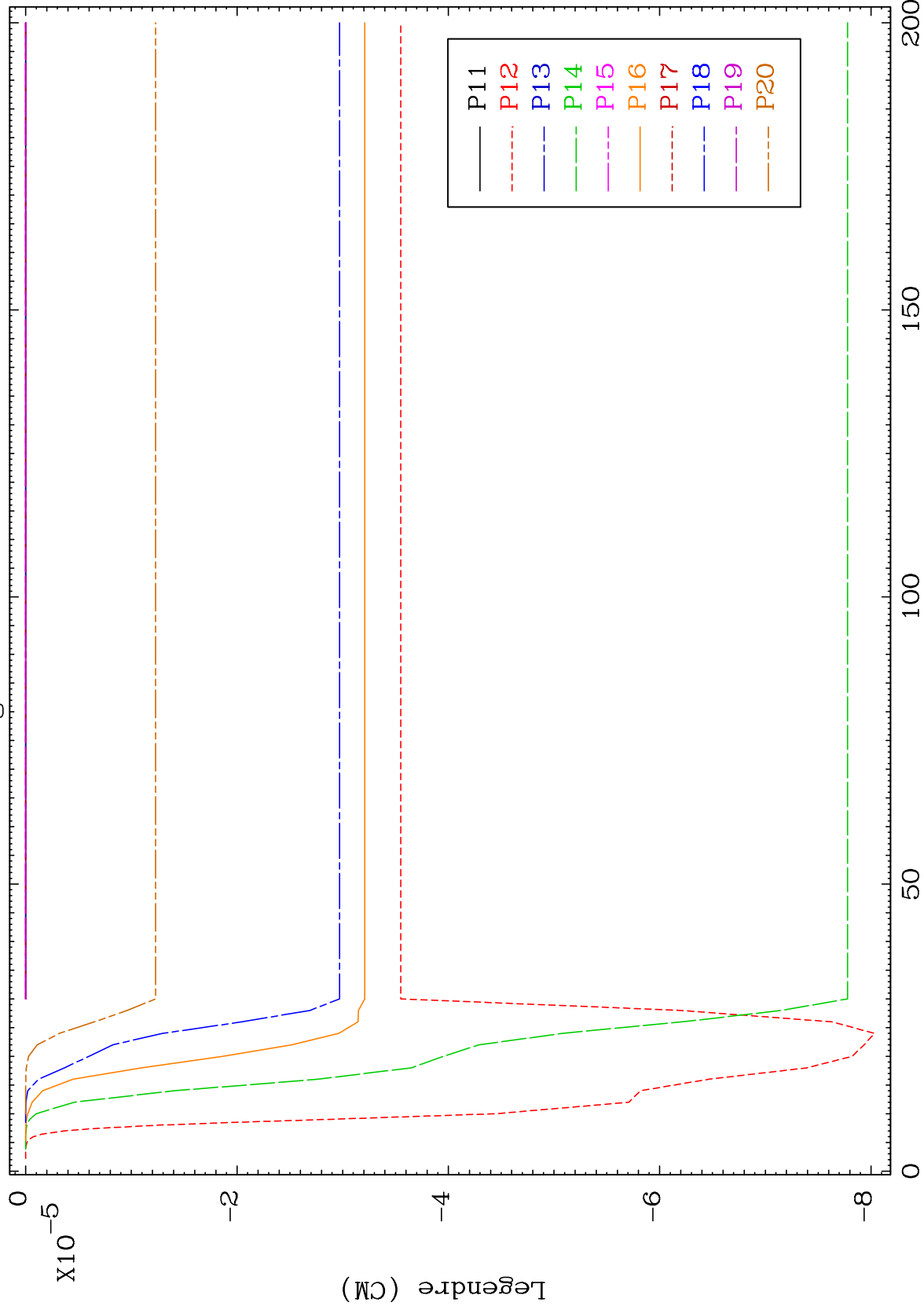


86

Incident Energy (MeV)

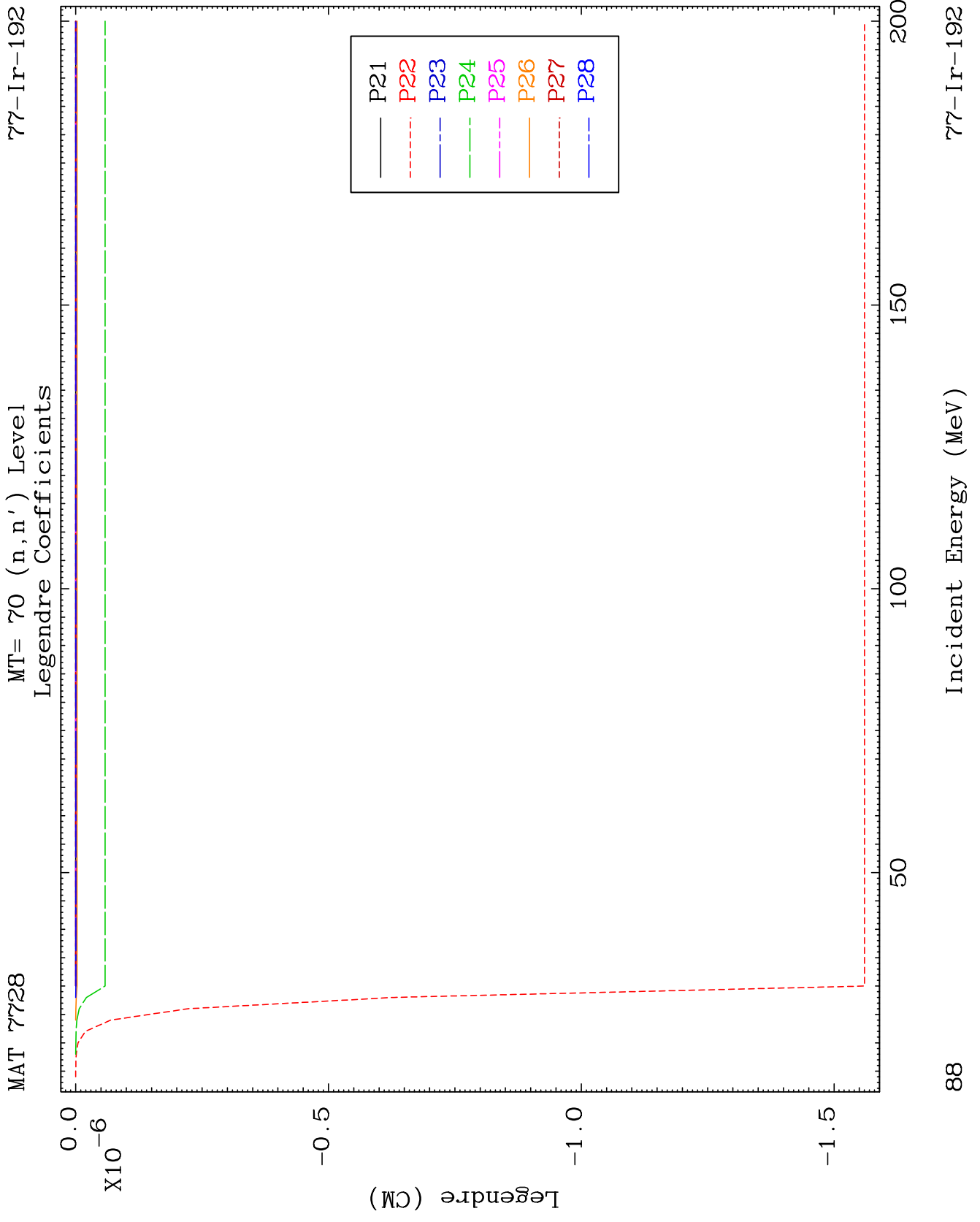
77-Ir-192

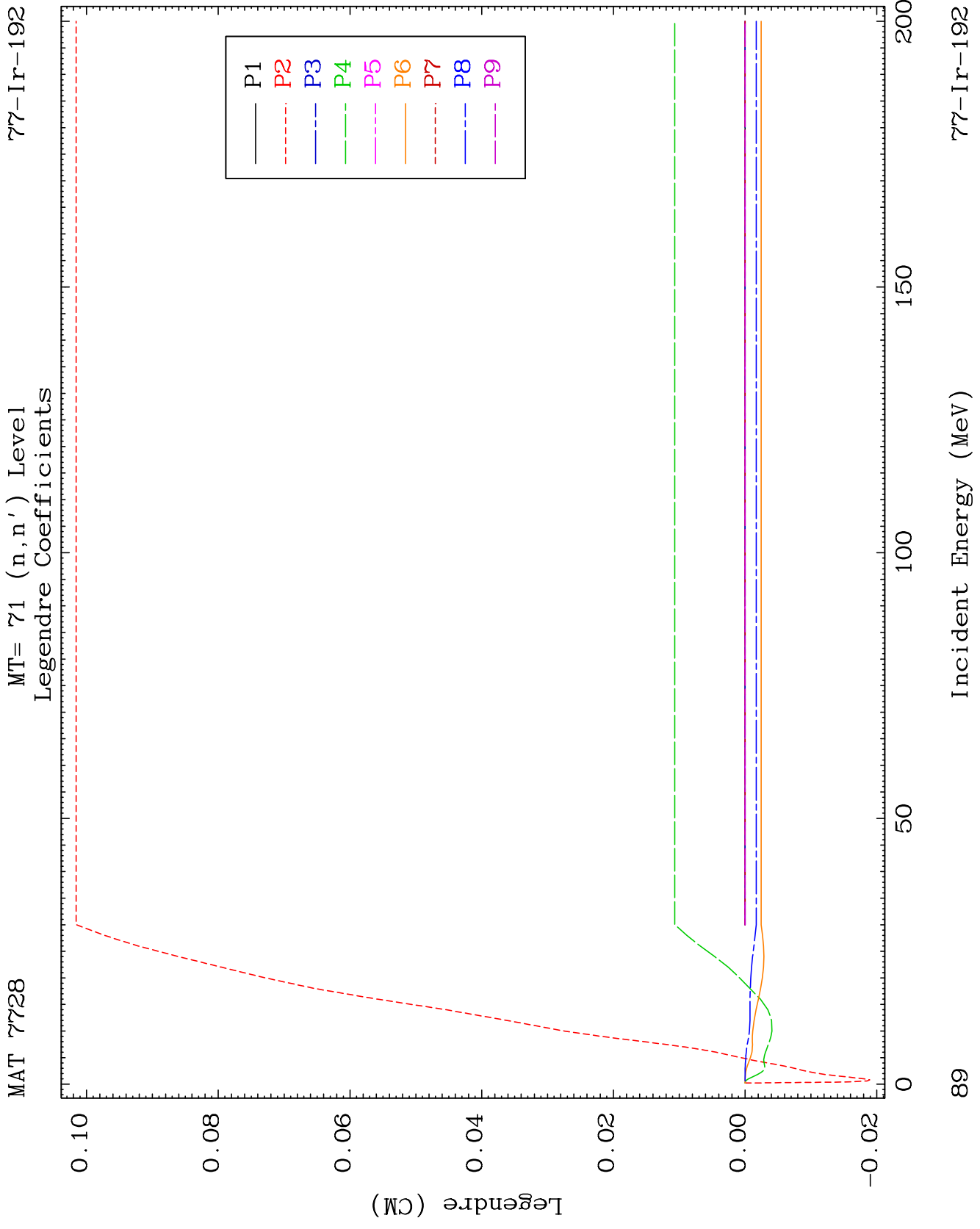
MAT 7728 MT= 70 (n,n') Level Legendre Coefficients 77-Ir-192



87 77-Ir-192



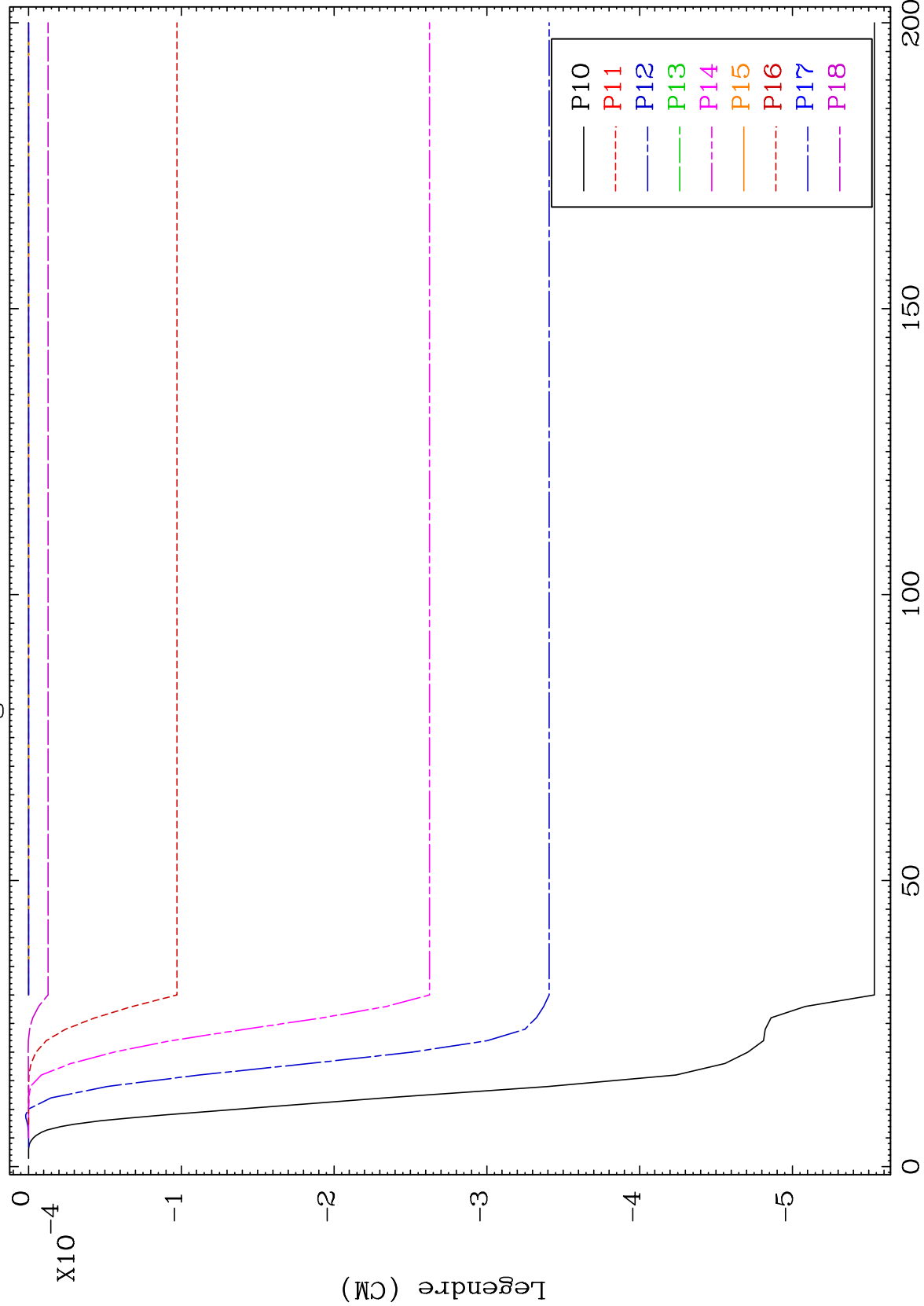




MAT 7728

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

77-Ir-192



90

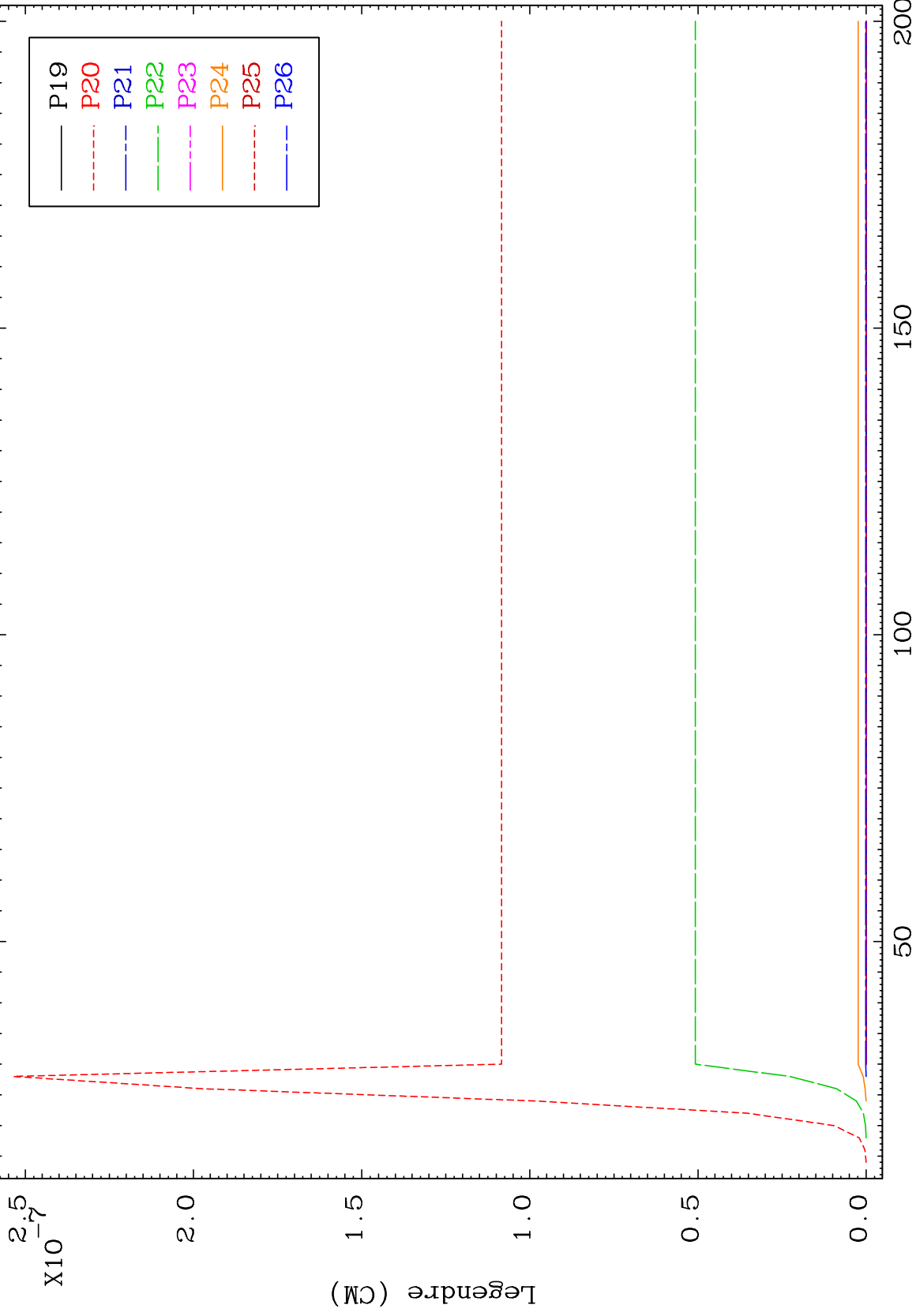
Incident Energy (MeV)

77-Ir-192

MAT 7728

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

77-Ir-192



91

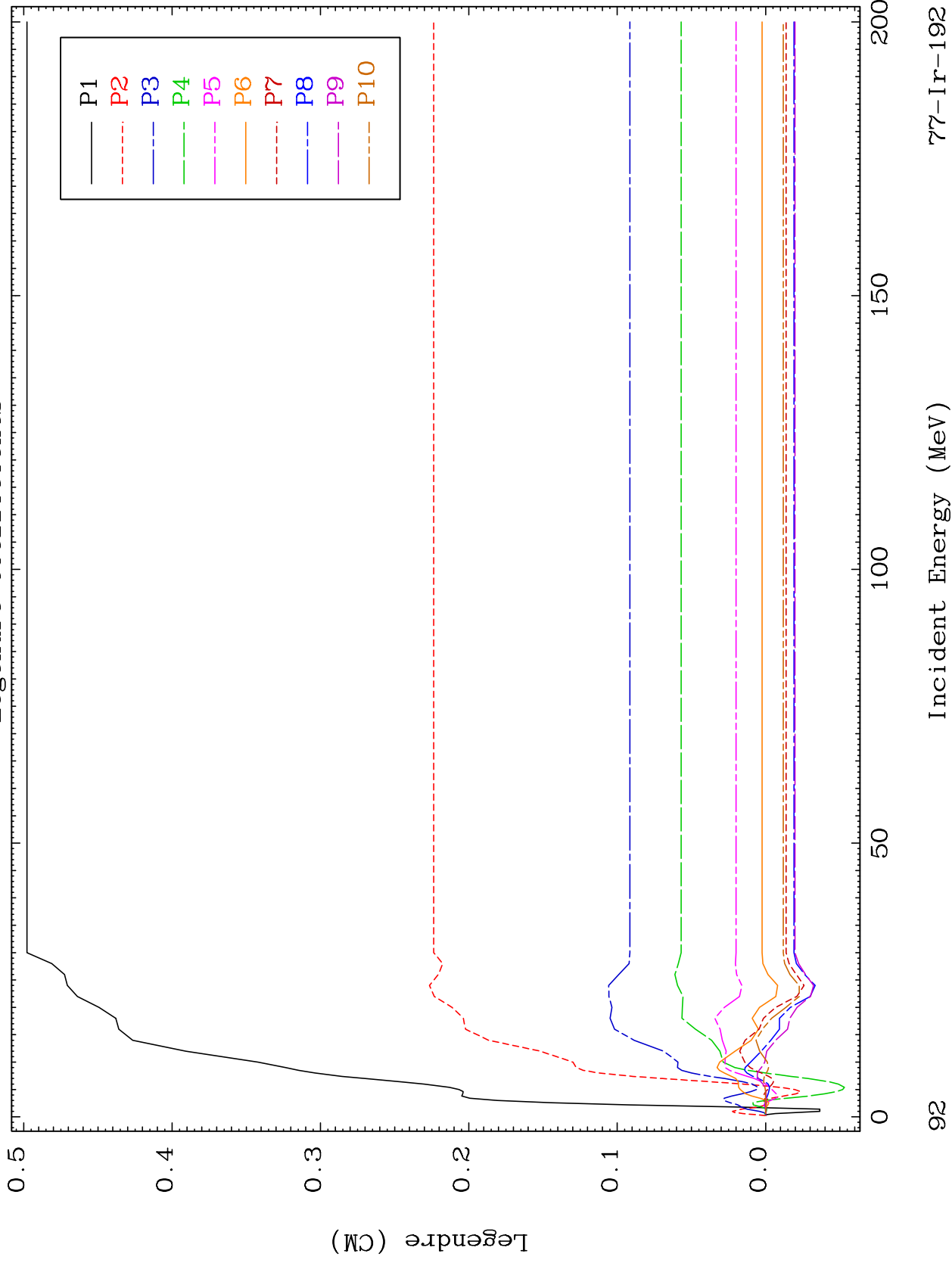
Incident Energy (MeV)

77-Ir-192

MAT 7728

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

77-Ir-192



77-Ir-192

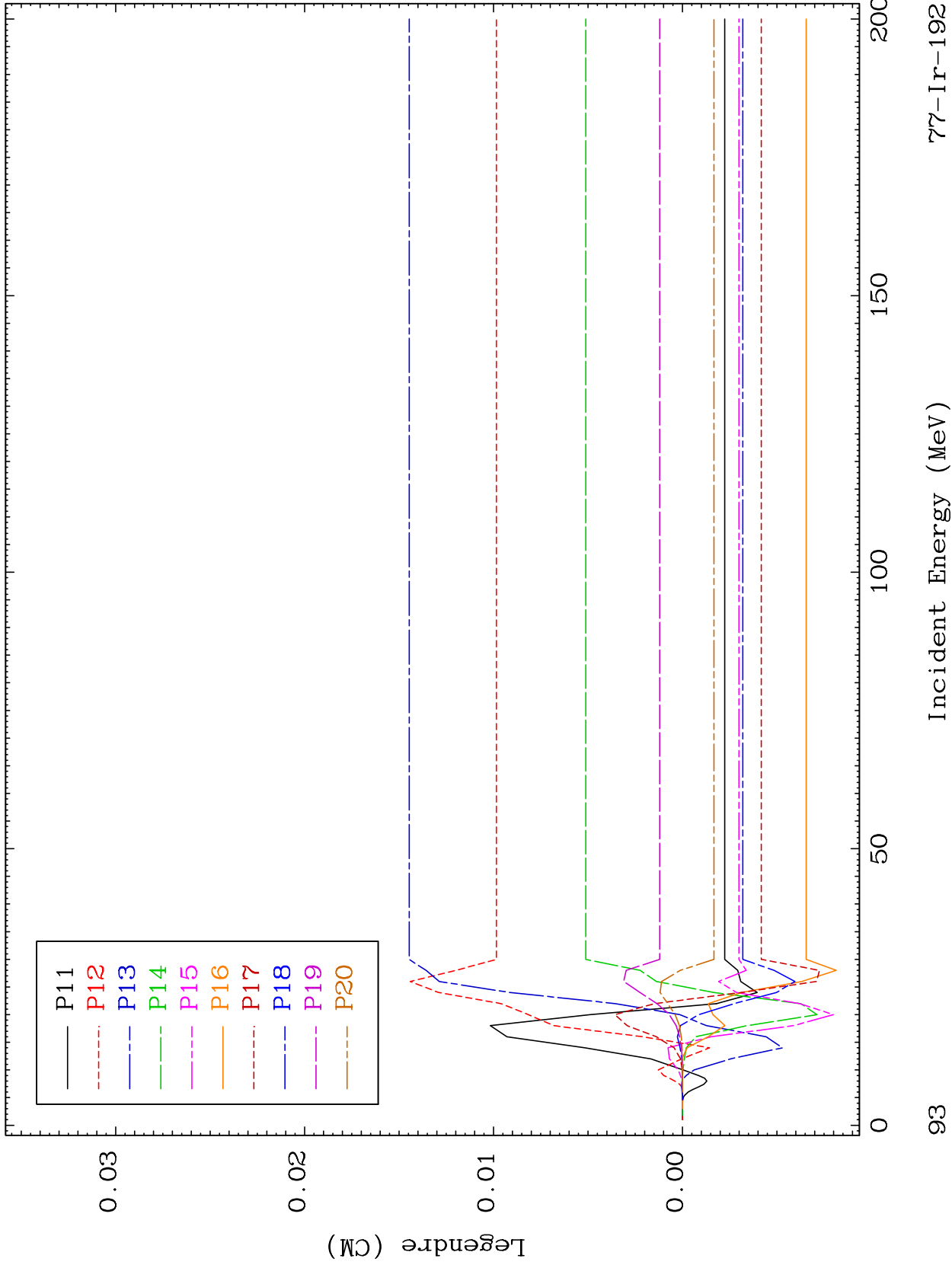
Incident Energy (MeV)

92

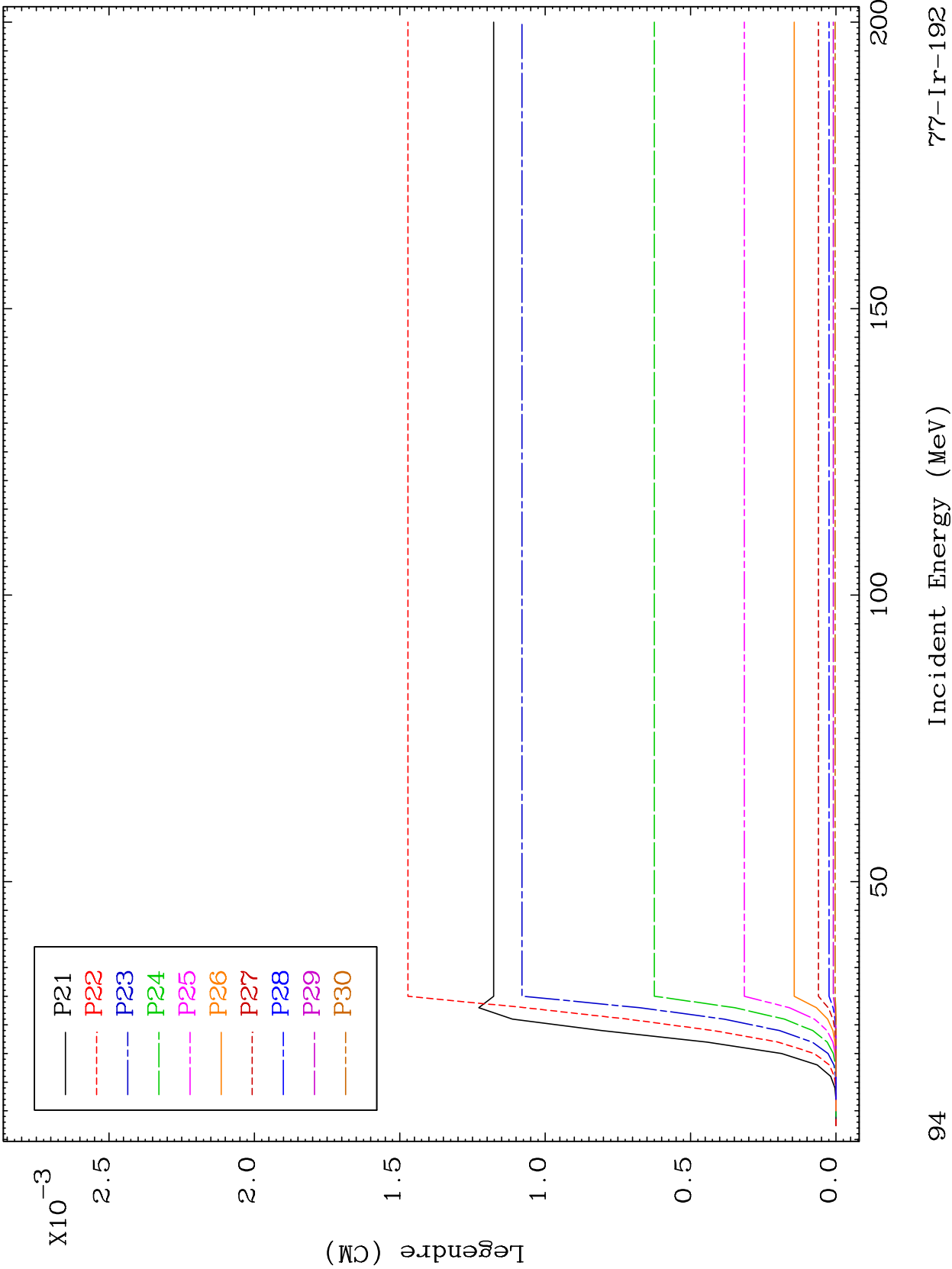
MAT 7728

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

77-Ir-192



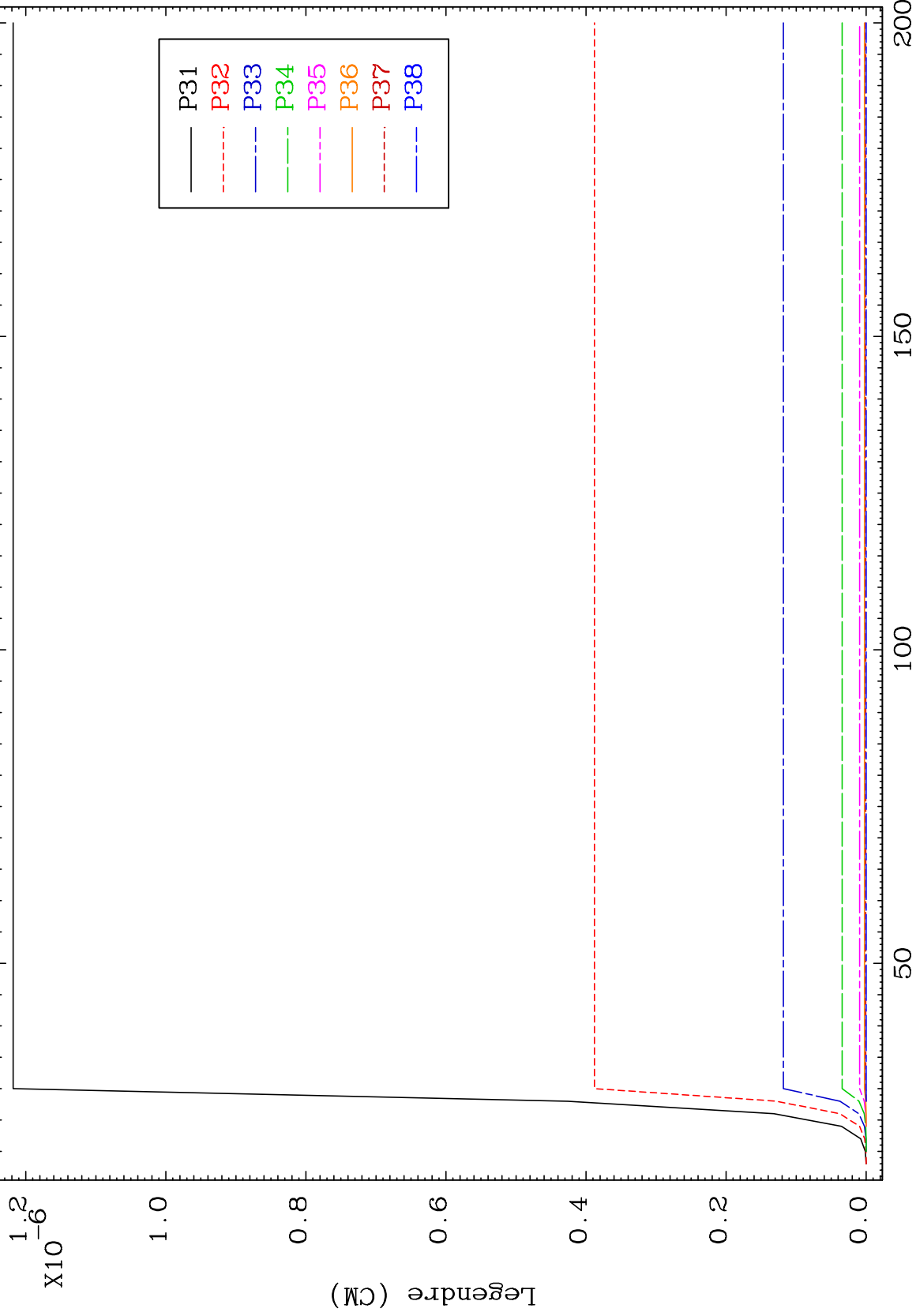
93



MAT 7728

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

77-Ir-192



95

Incident Energy (MeV)

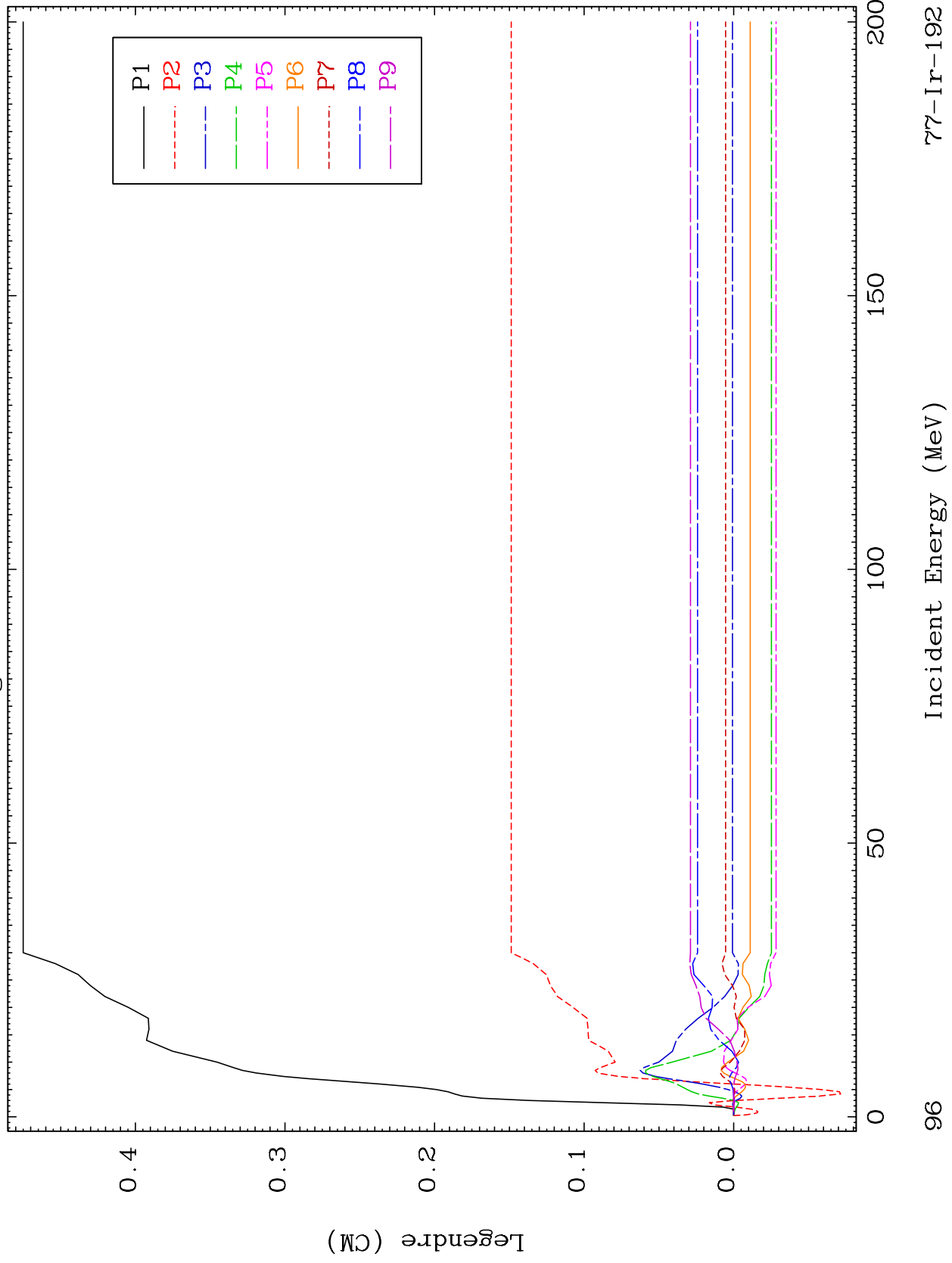
77-Ir-192



MAT 7728

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

77-Ir-192



77-Ir-192

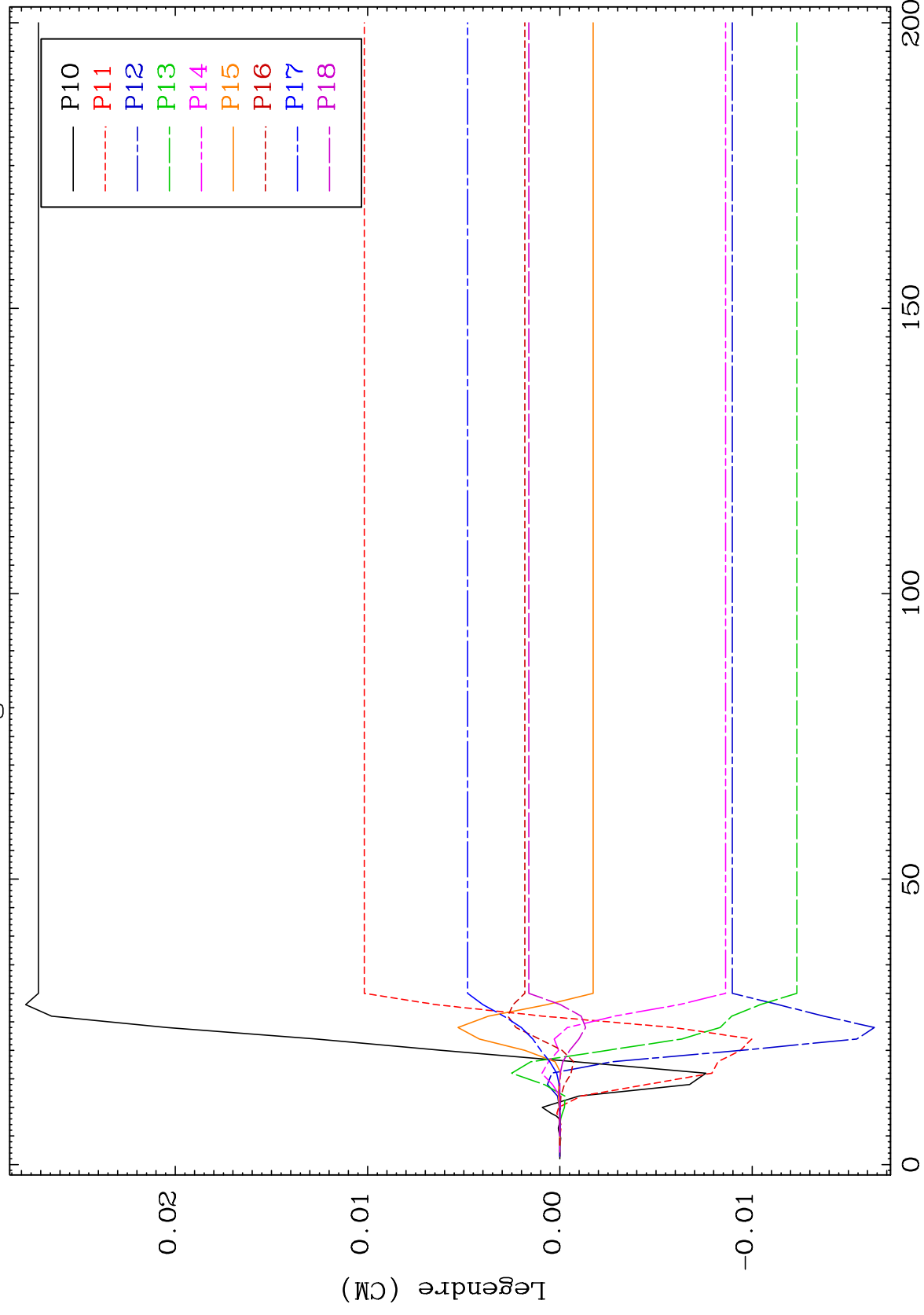
Incident Energy (MeV)

96

MAT 7728

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

77-Ir-192



97

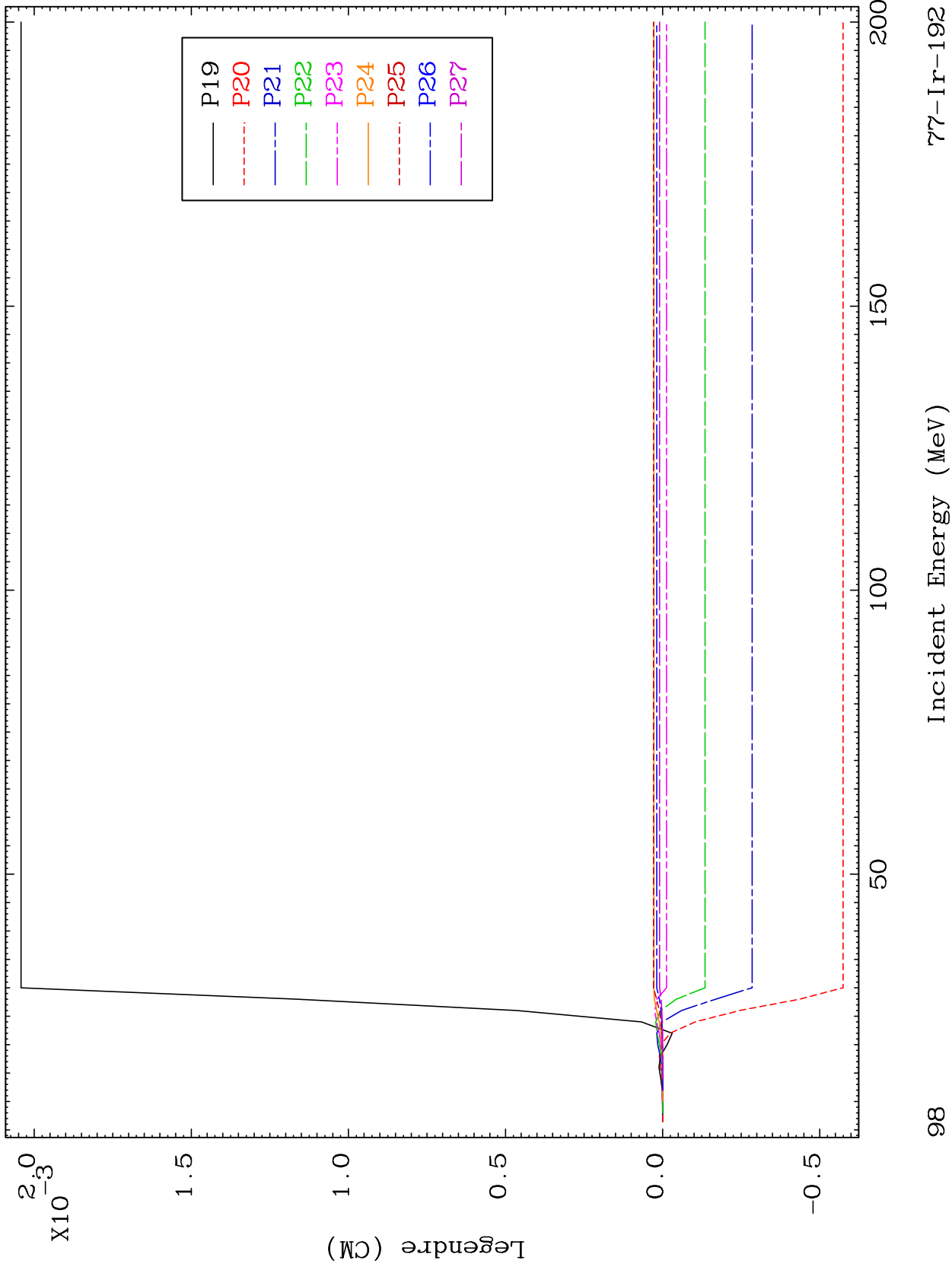
Incident Energy (MeV)

77-Ir-192

MAT 7728

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

77-Ir-192



98

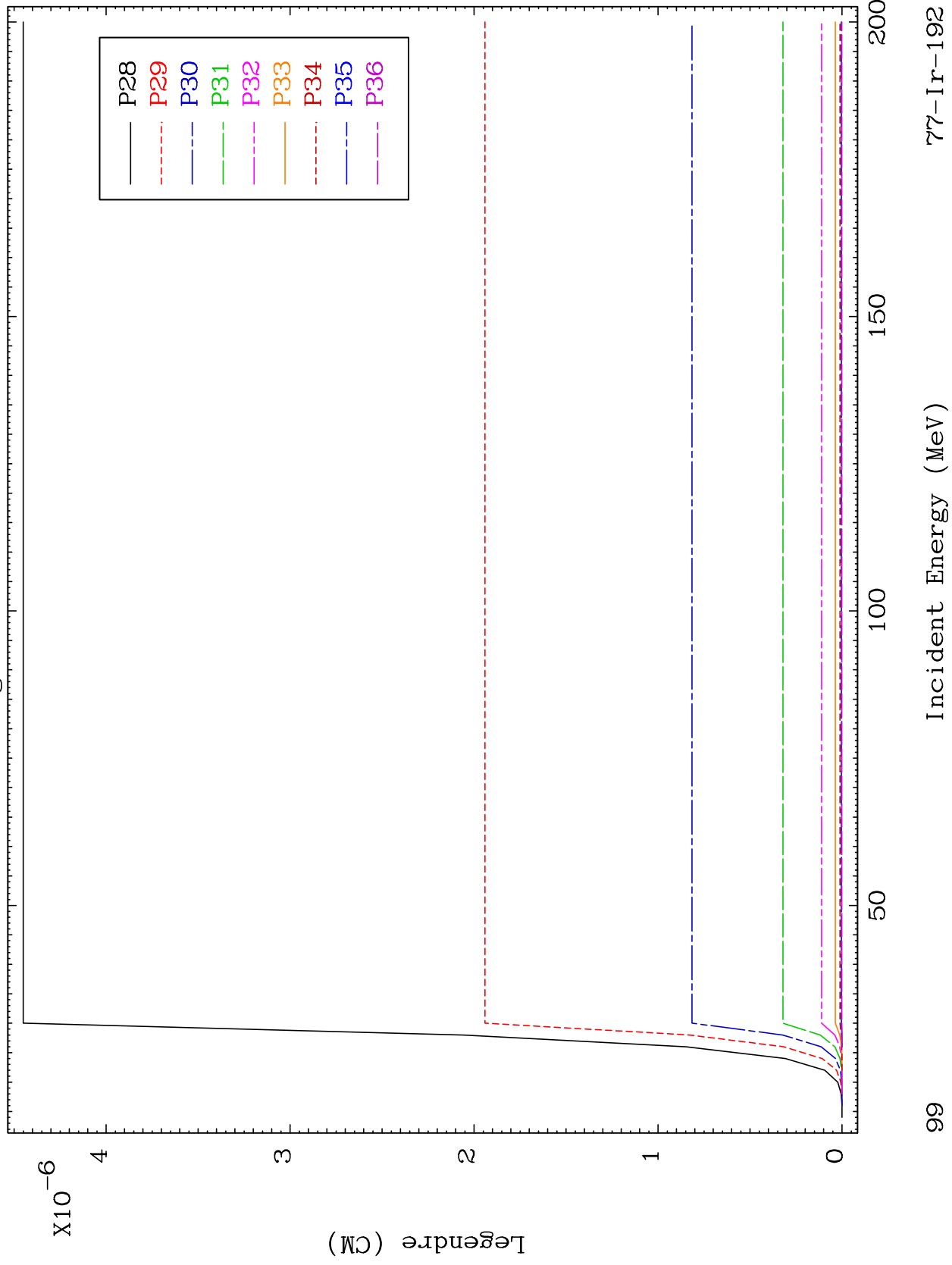
Incident Energy (MeV)

77-Ir-192

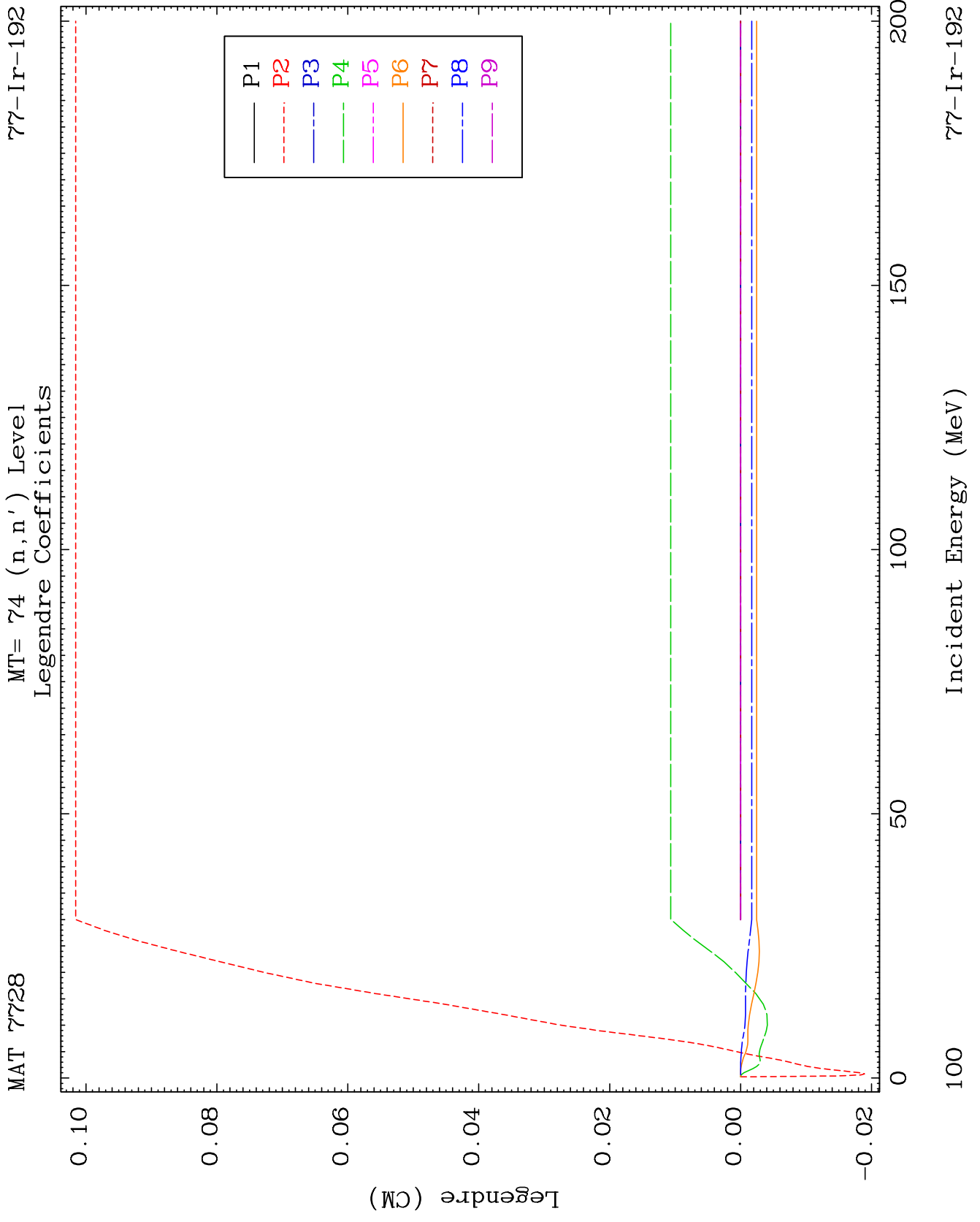
MAT 7728

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

77-Ir-192



99

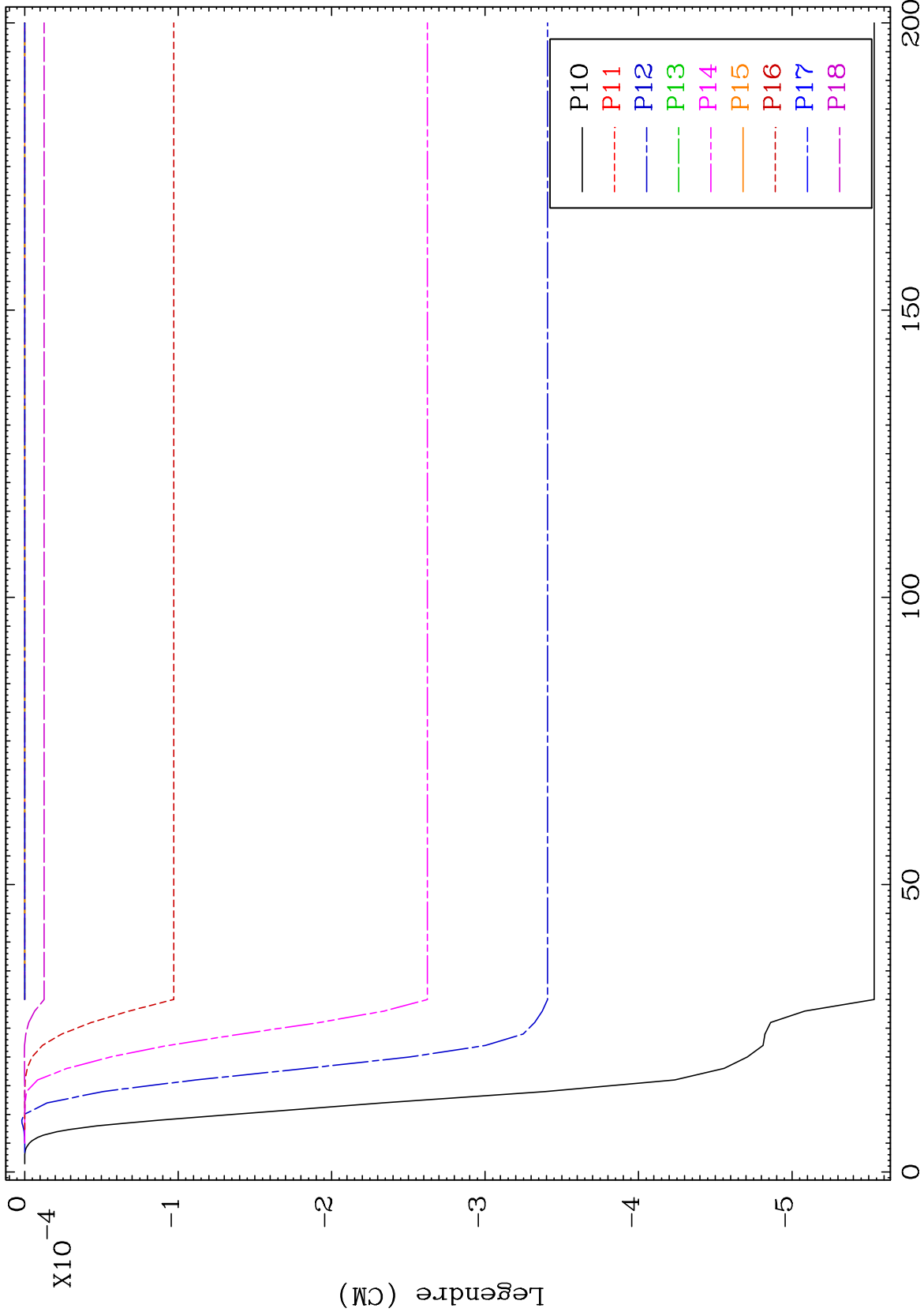


MAT 7728

MT= 74 (n,n') Level

77-Ir-192

Legendre Coefficients



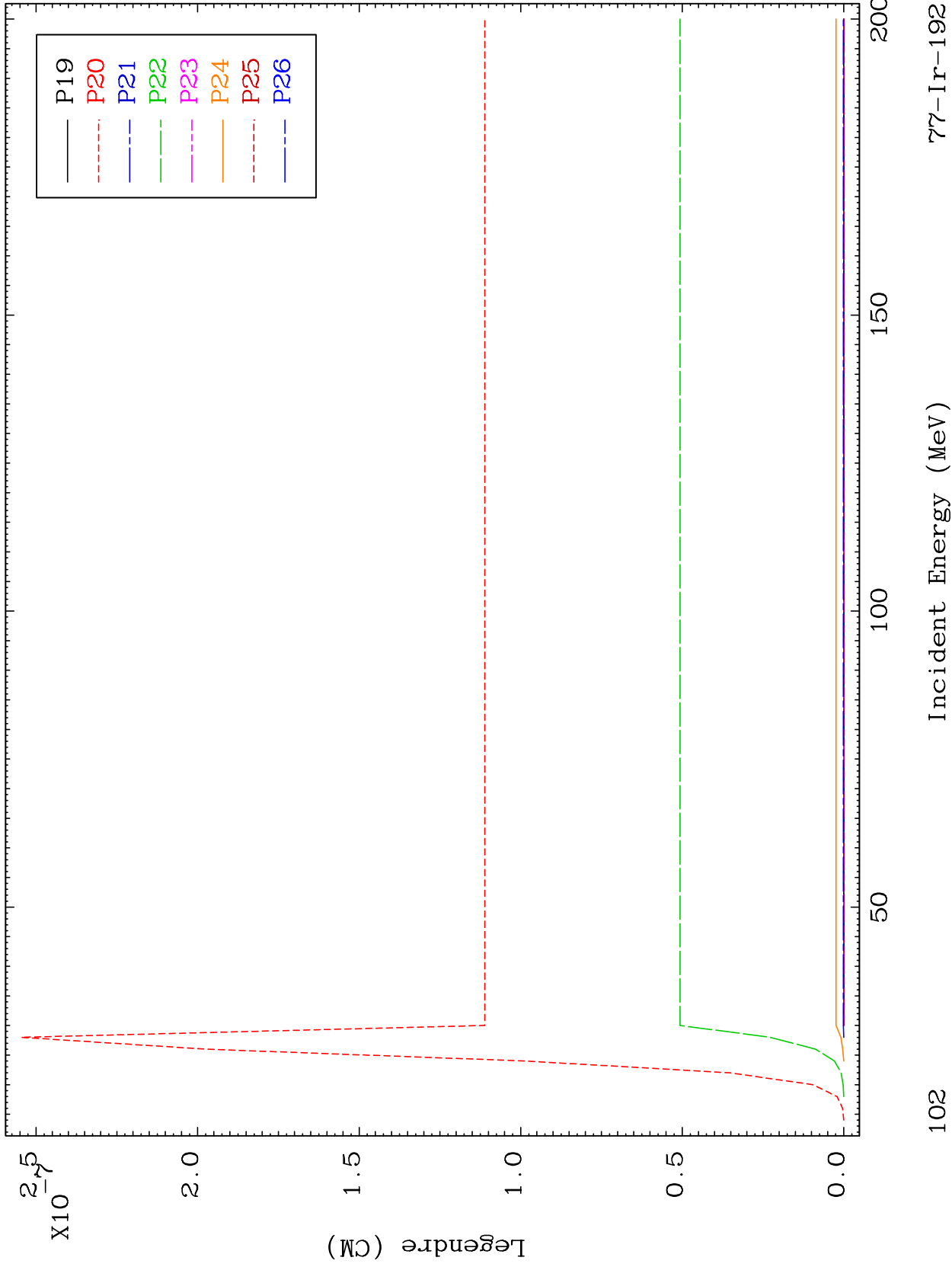
101

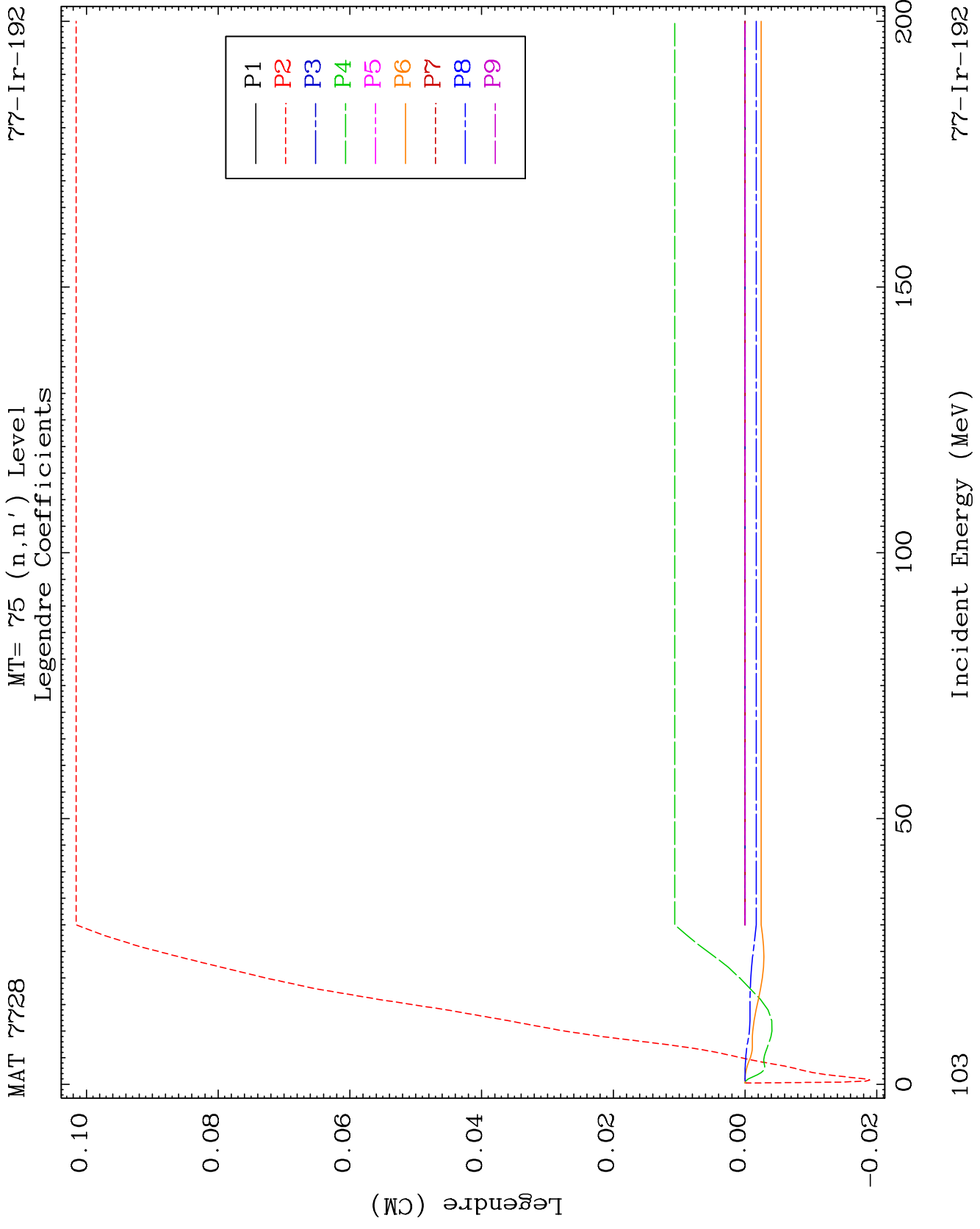
77-Ir-192

MAT 7728

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

77-Ir-192





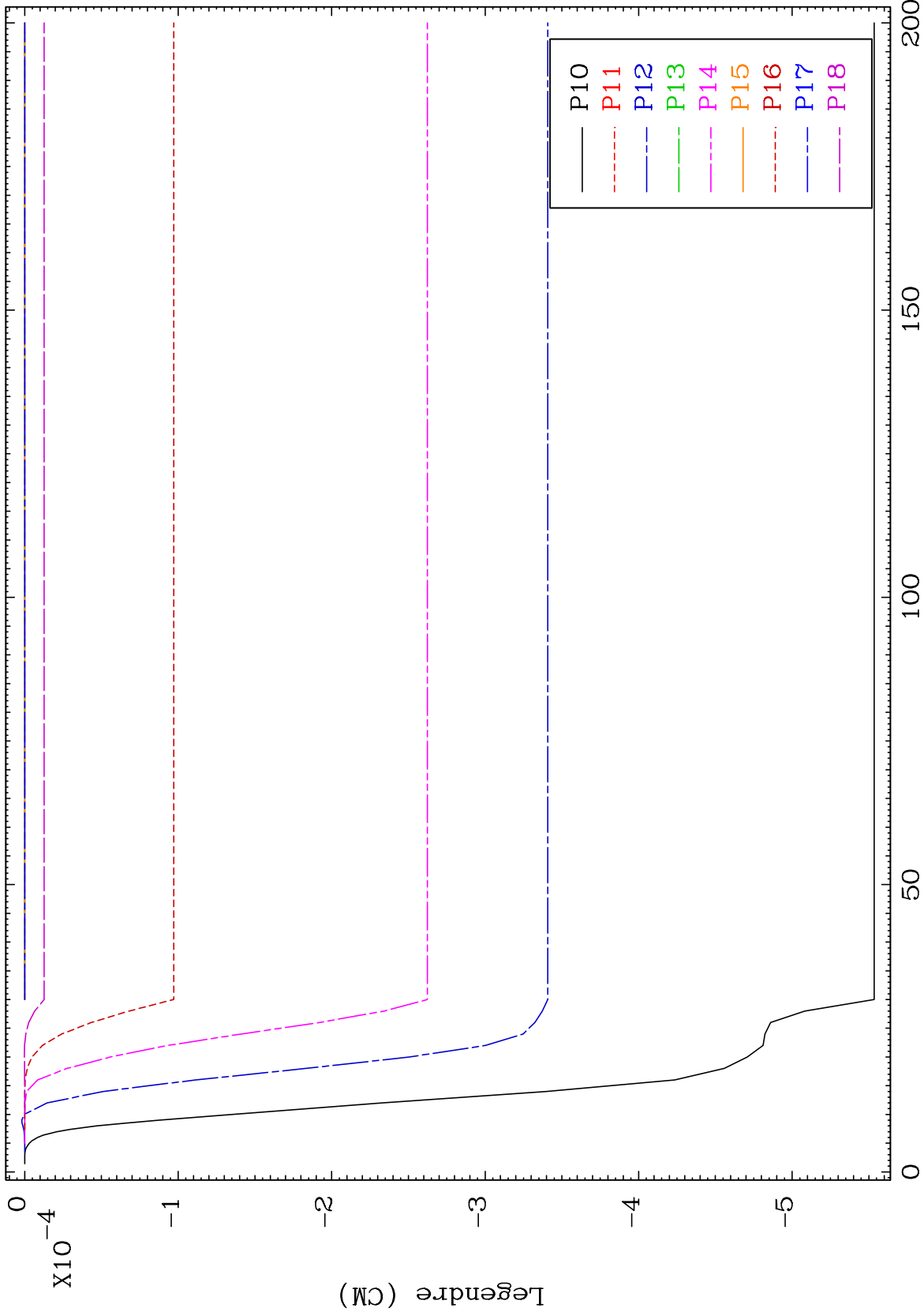


MAT 7728

MT= 75 (n,n') Level

77-Ir-192

Legendre Coefficients



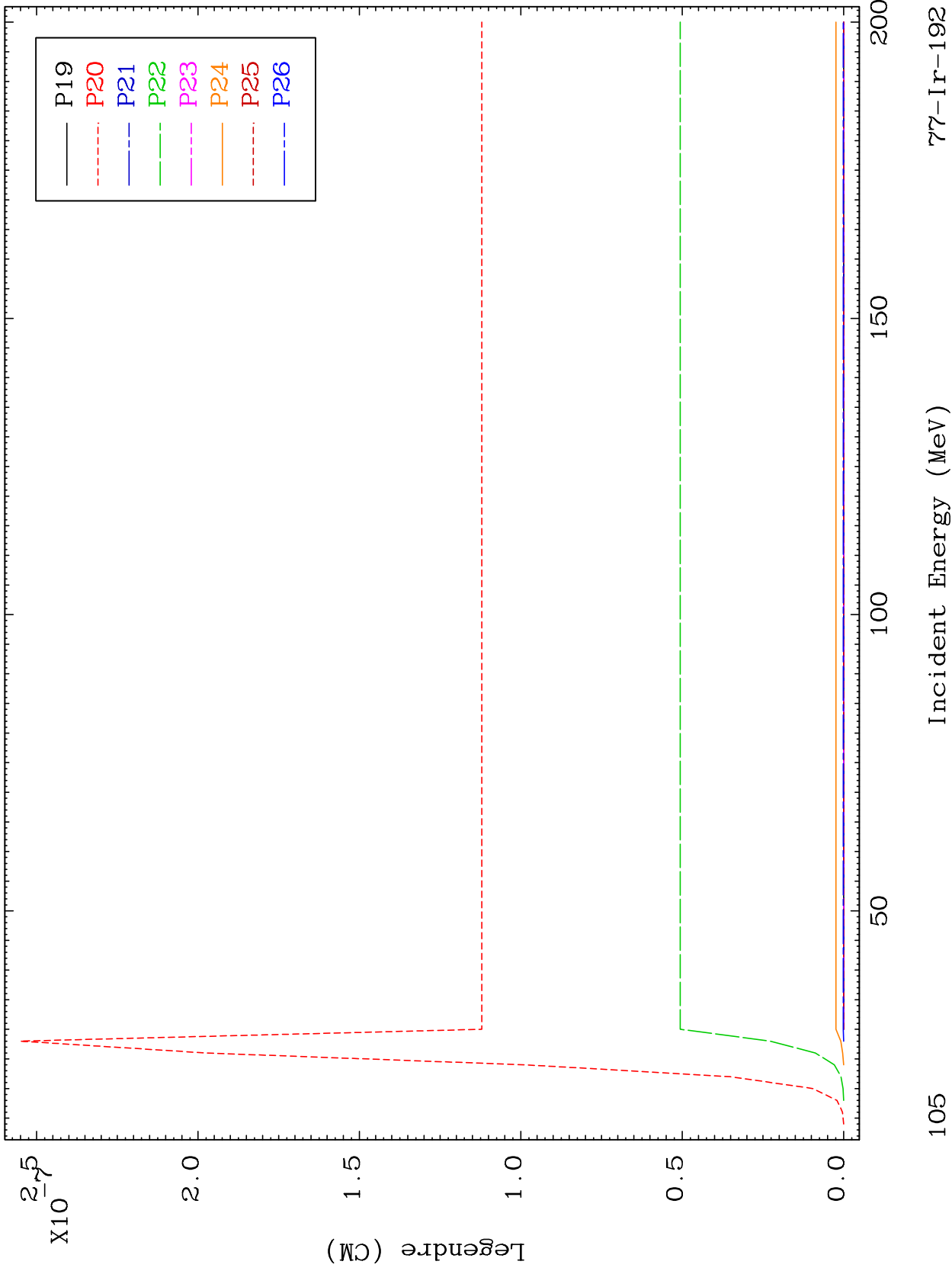
104

77-Ir-192

MAT 7728

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

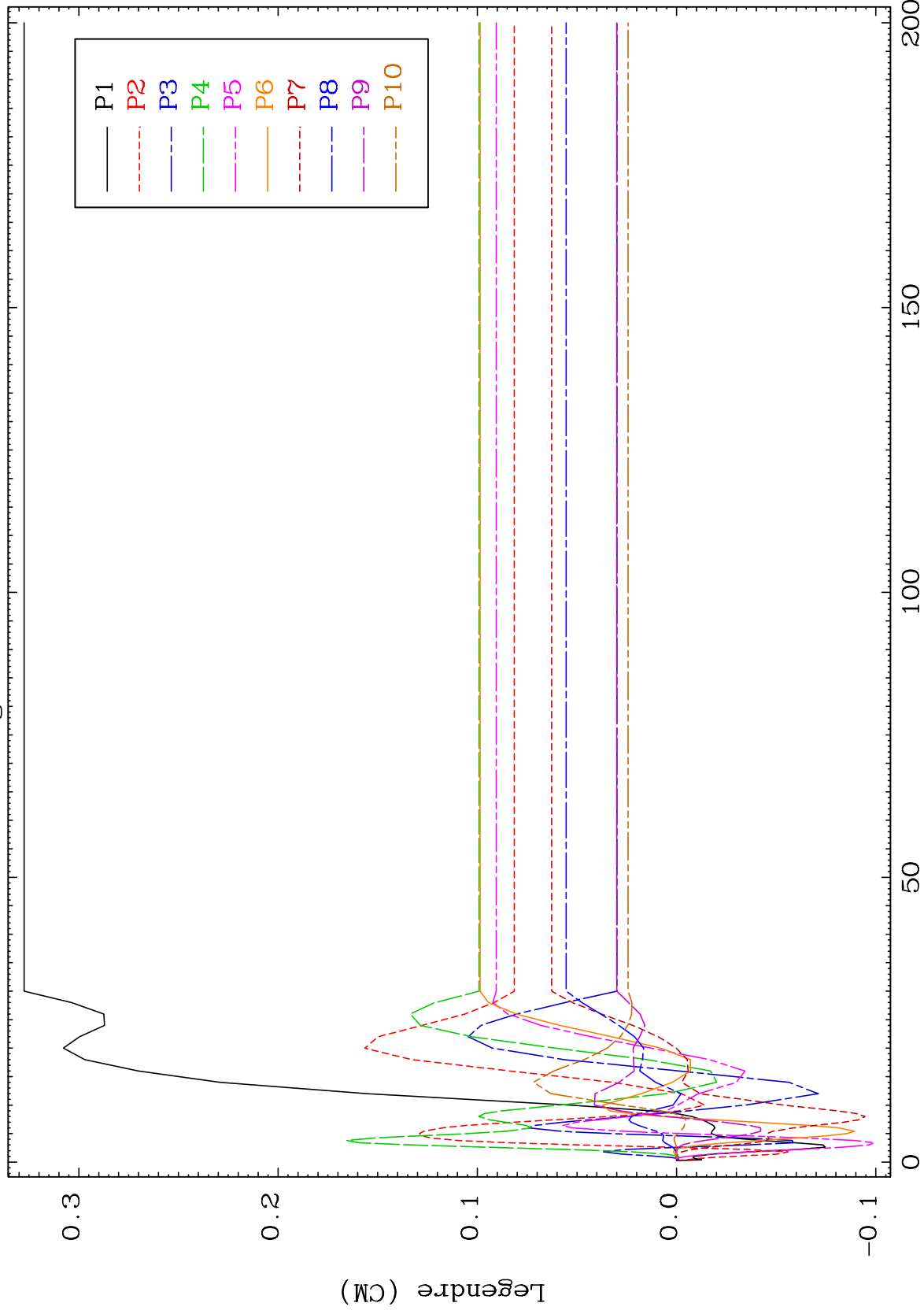
77-Ir-192



MAT 7728

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

77-Ir-192



Incident Energy (MeV)

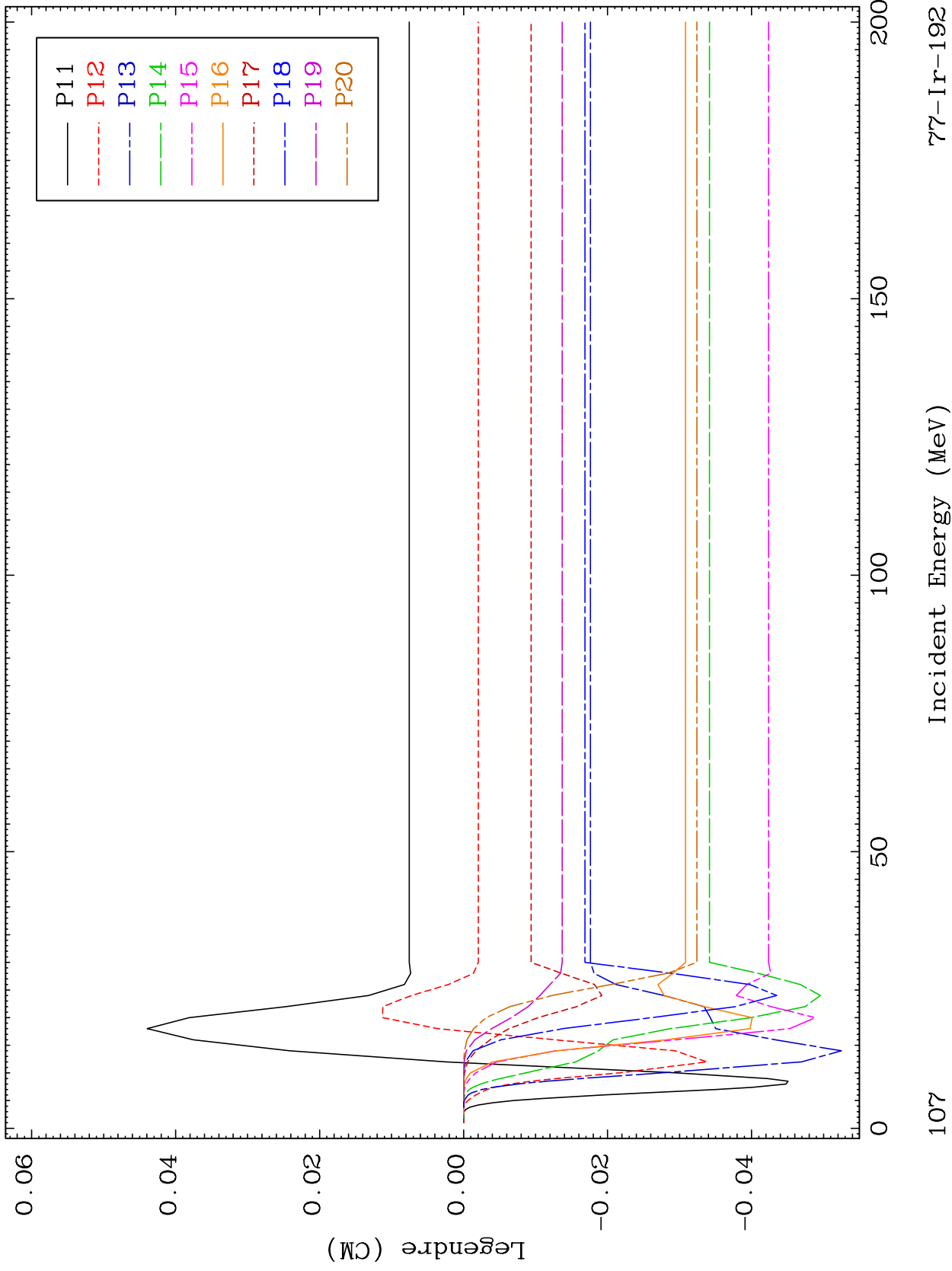
77-Ir-192

106

MAT 7728

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

77-Ir-192



77-Ir-192

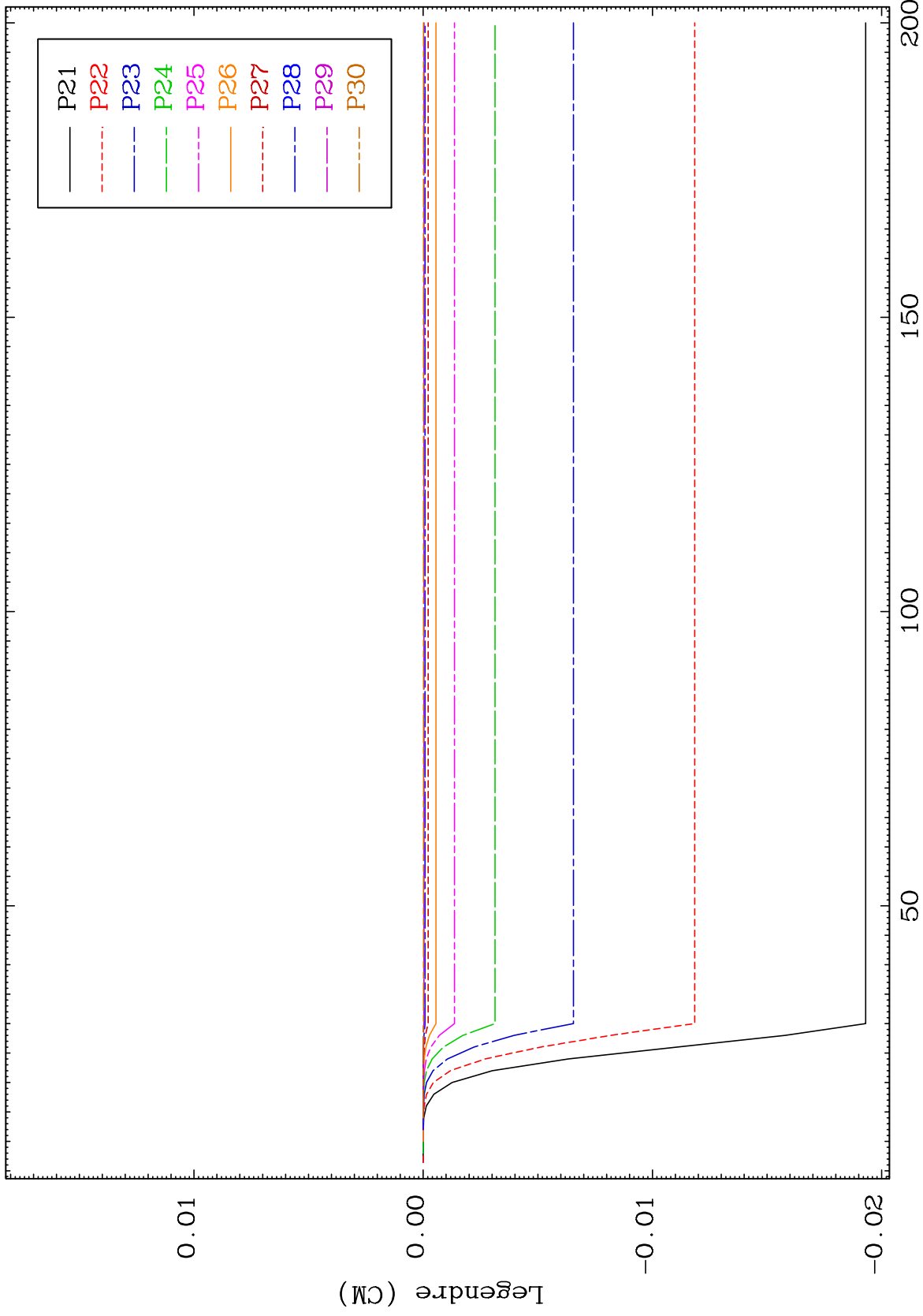
Incident Energy (MeV)

107

MAT 7728

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

77-Ir-192



108

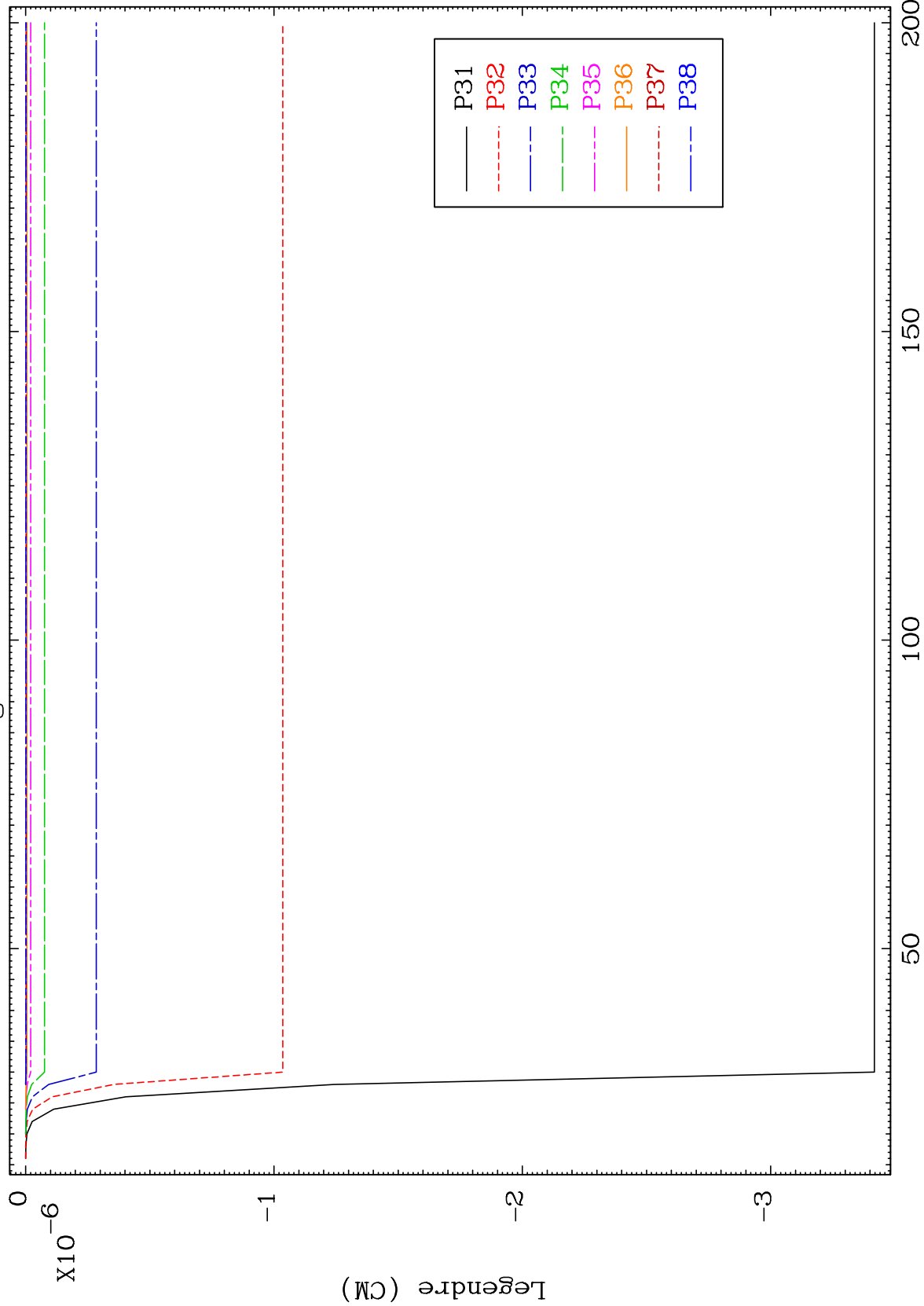
Incident Energy (MeV)

77-Ir-192

MAT 7728

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

77-Ir-192



109

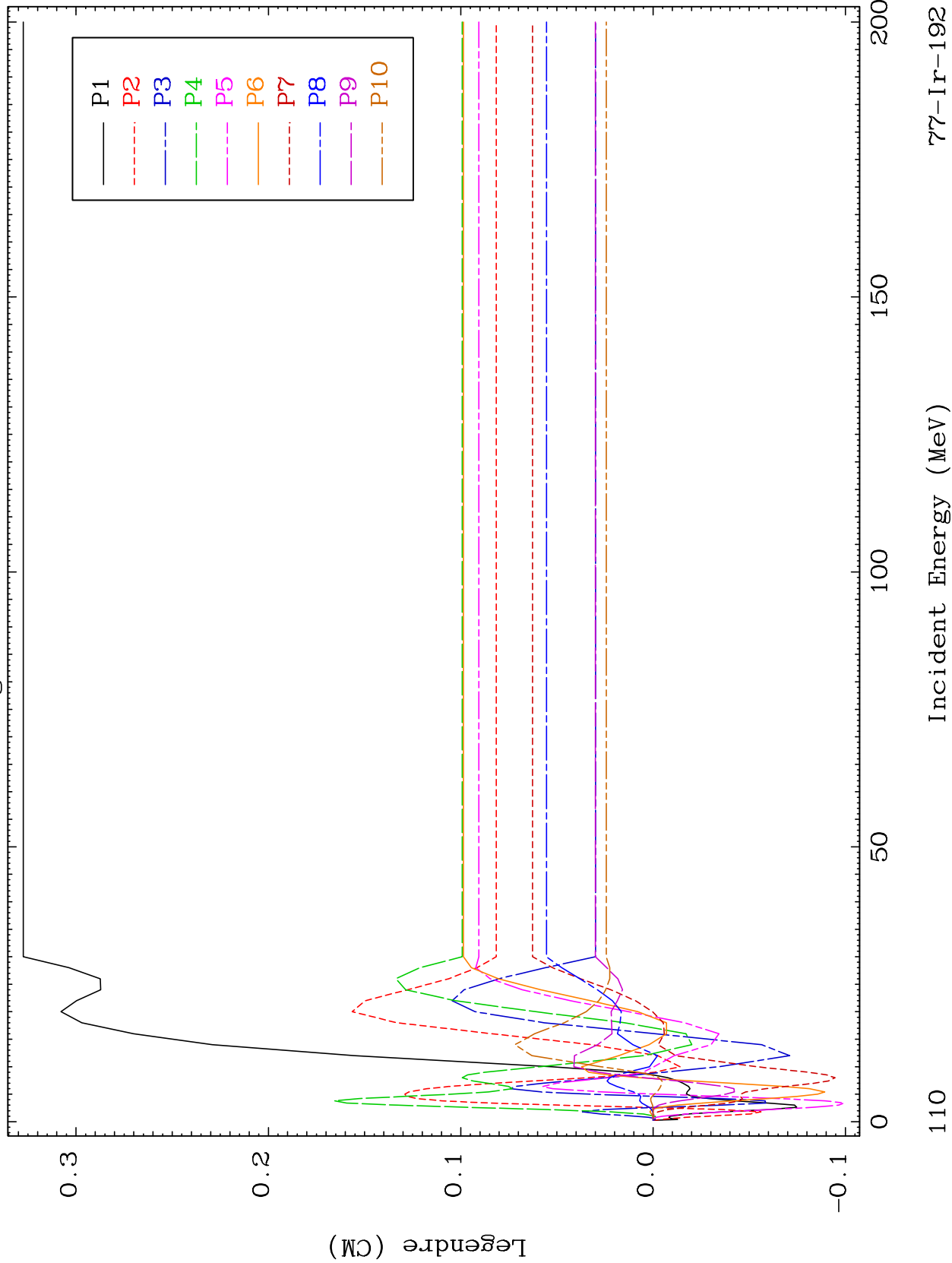
Incident Energy (MeV)

77-Ir-192

MAT 7728

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

77-Ir-192



77-Ir-192

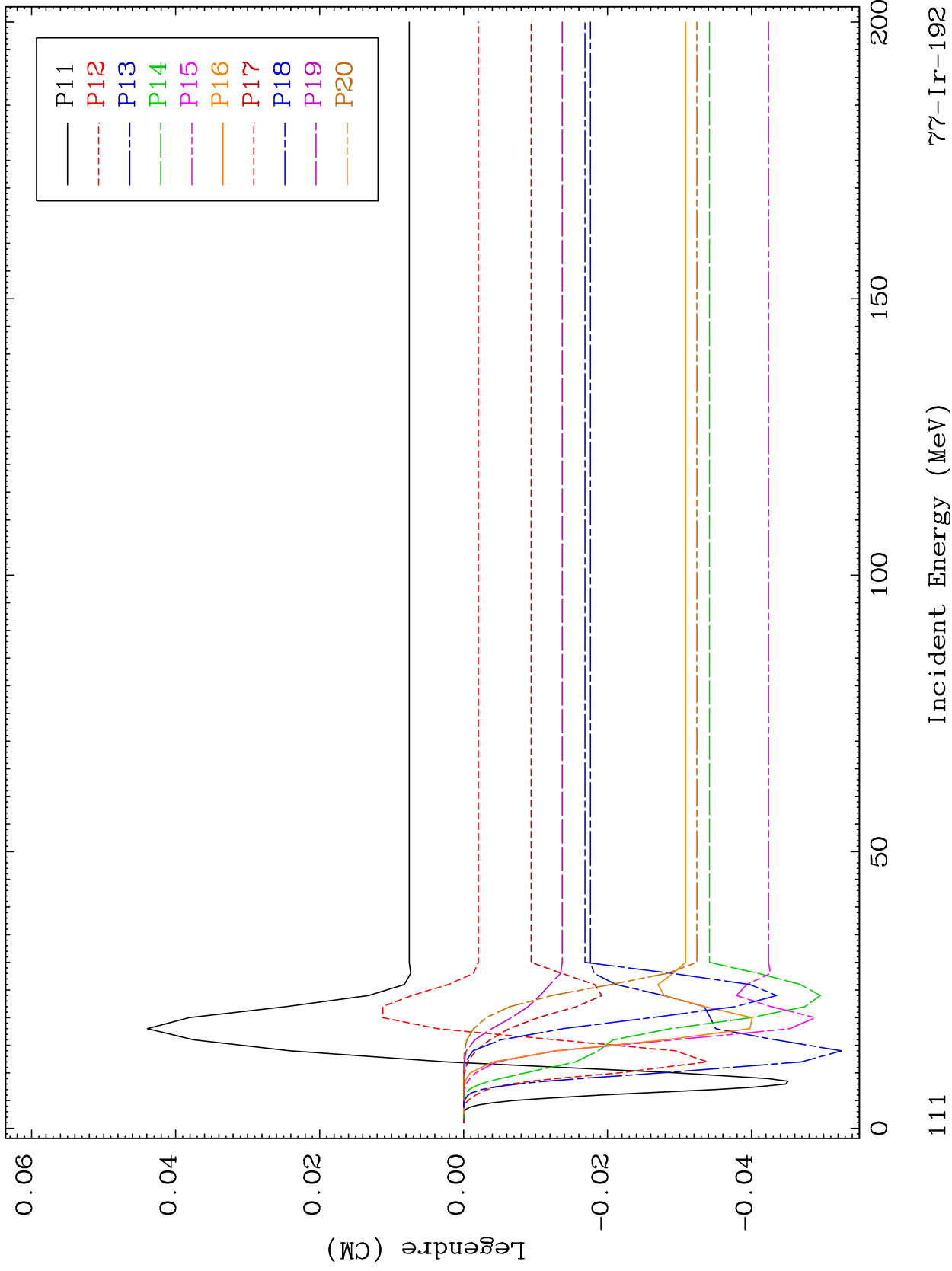
Incident Energy (MeV)

110

MAT 7728

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

77-Ir-192



111

Incident Energy (MeV)

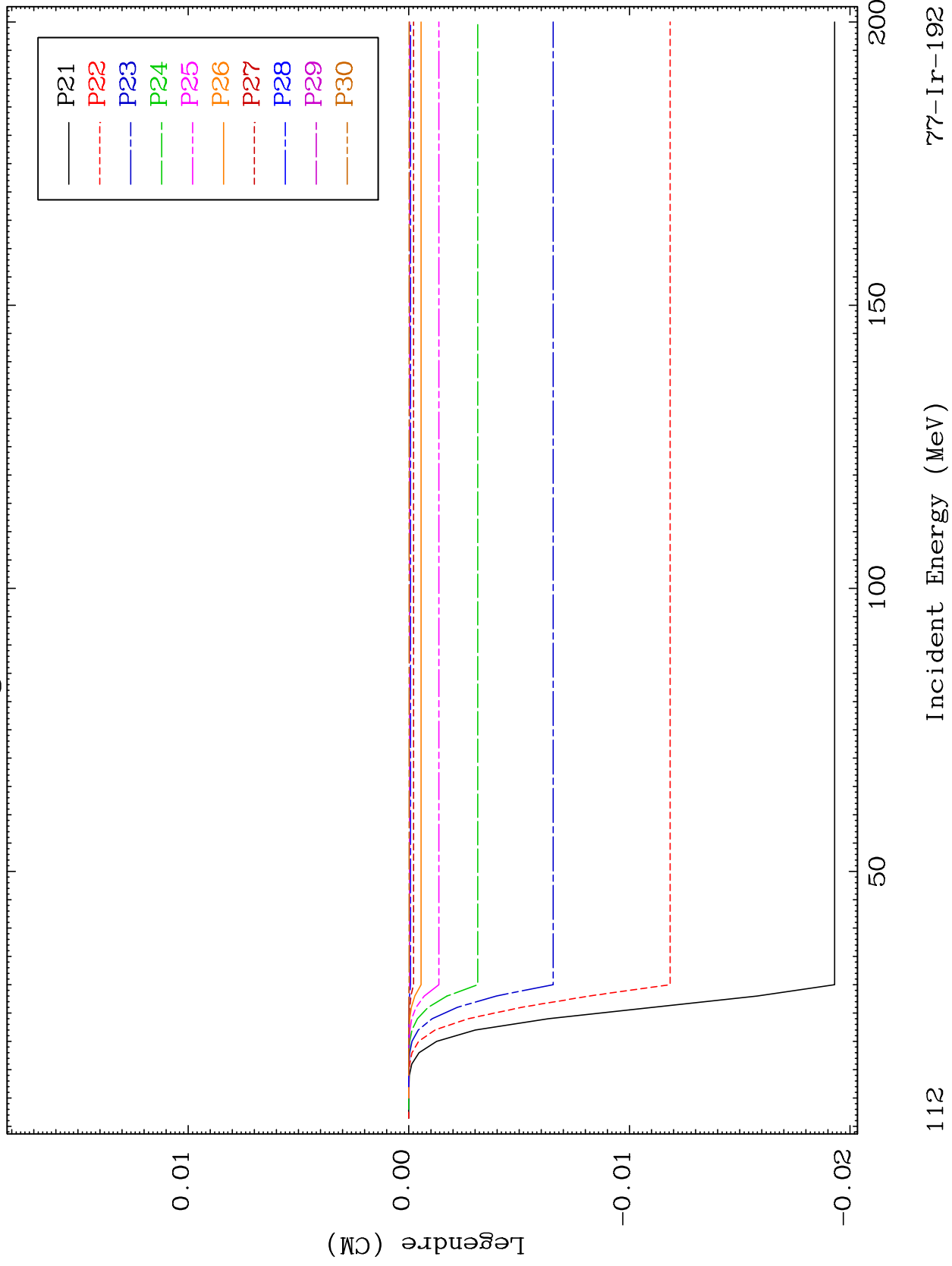
77-Ir-192



MAT 7728

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

77-Ir-192



112

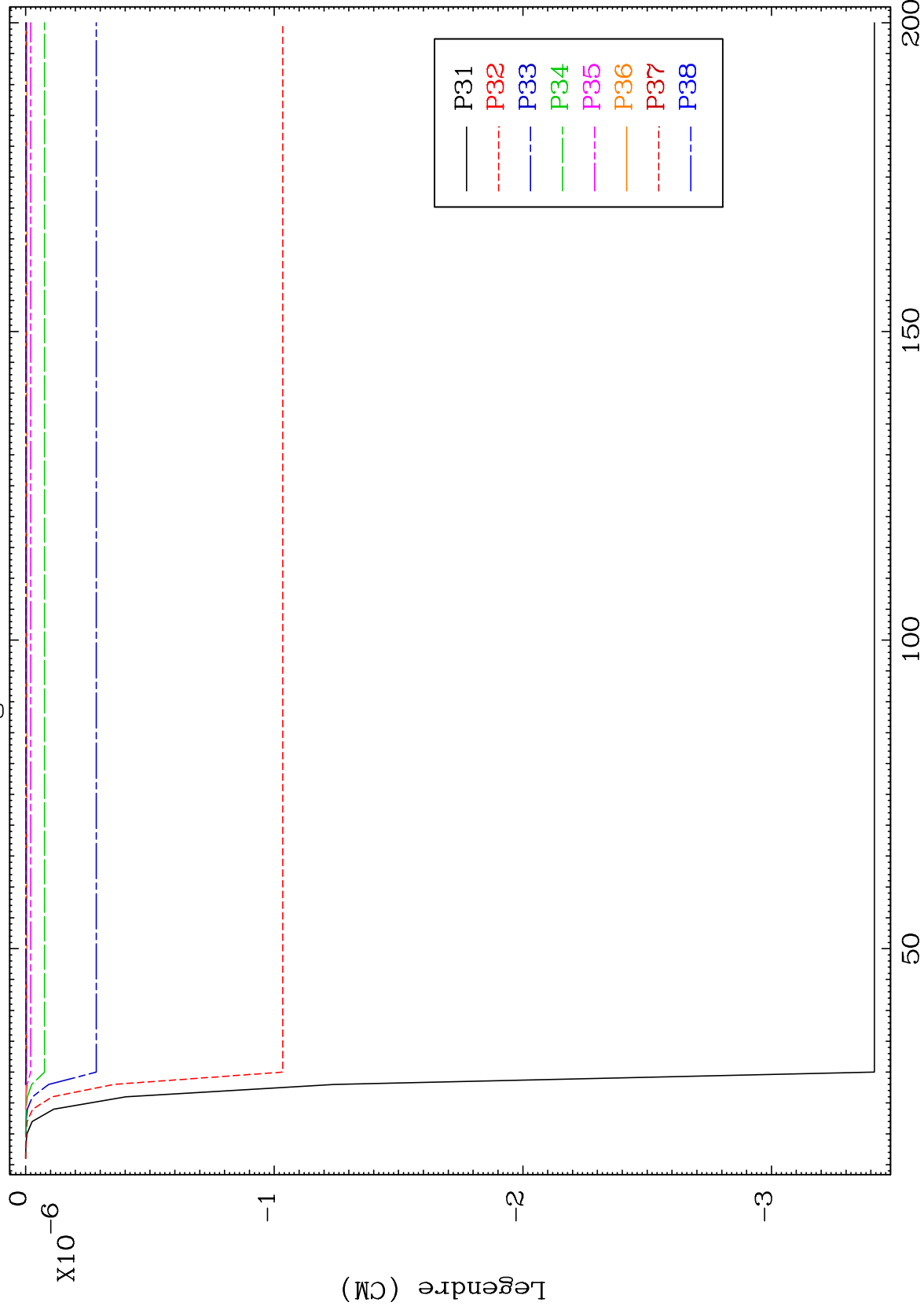
Incident Energy (MeV)

77-Ir-192

MAT 7728

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

77-Ir-192



113

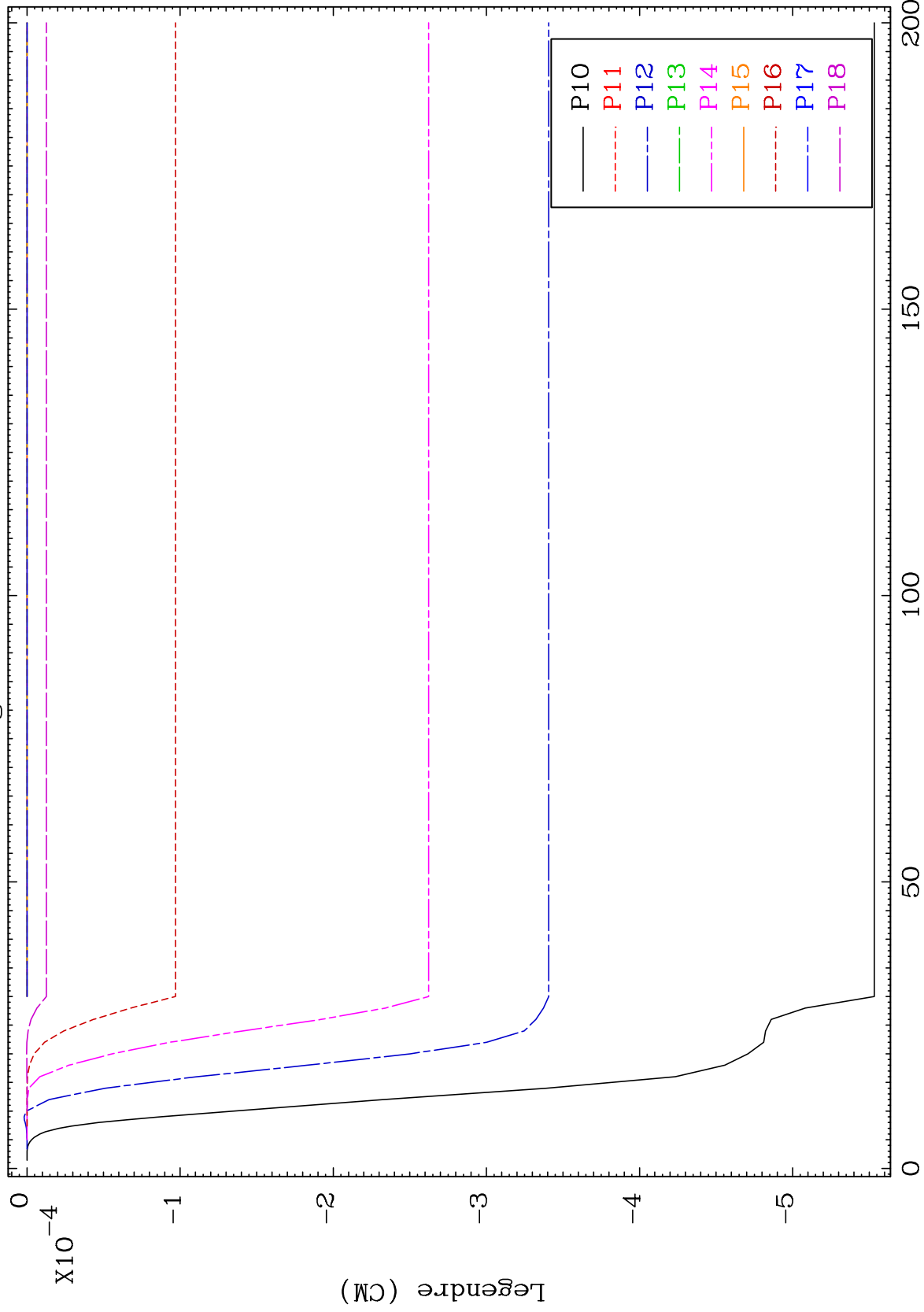
77-Ir-192



MAT 7728

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

77-Ir-192



115

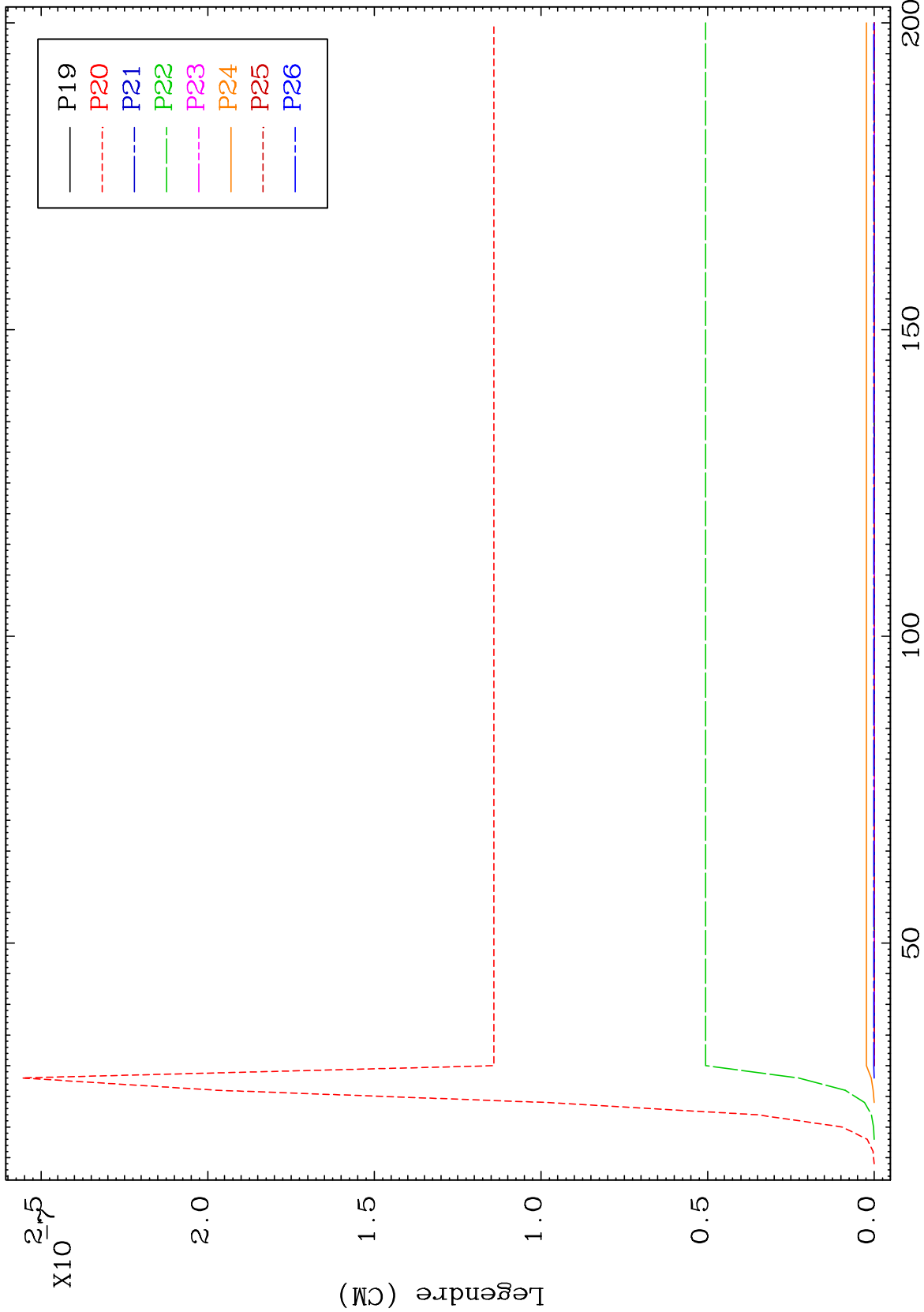
Incident Energy (MeV)

77-Ir-192

MAT 7728

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

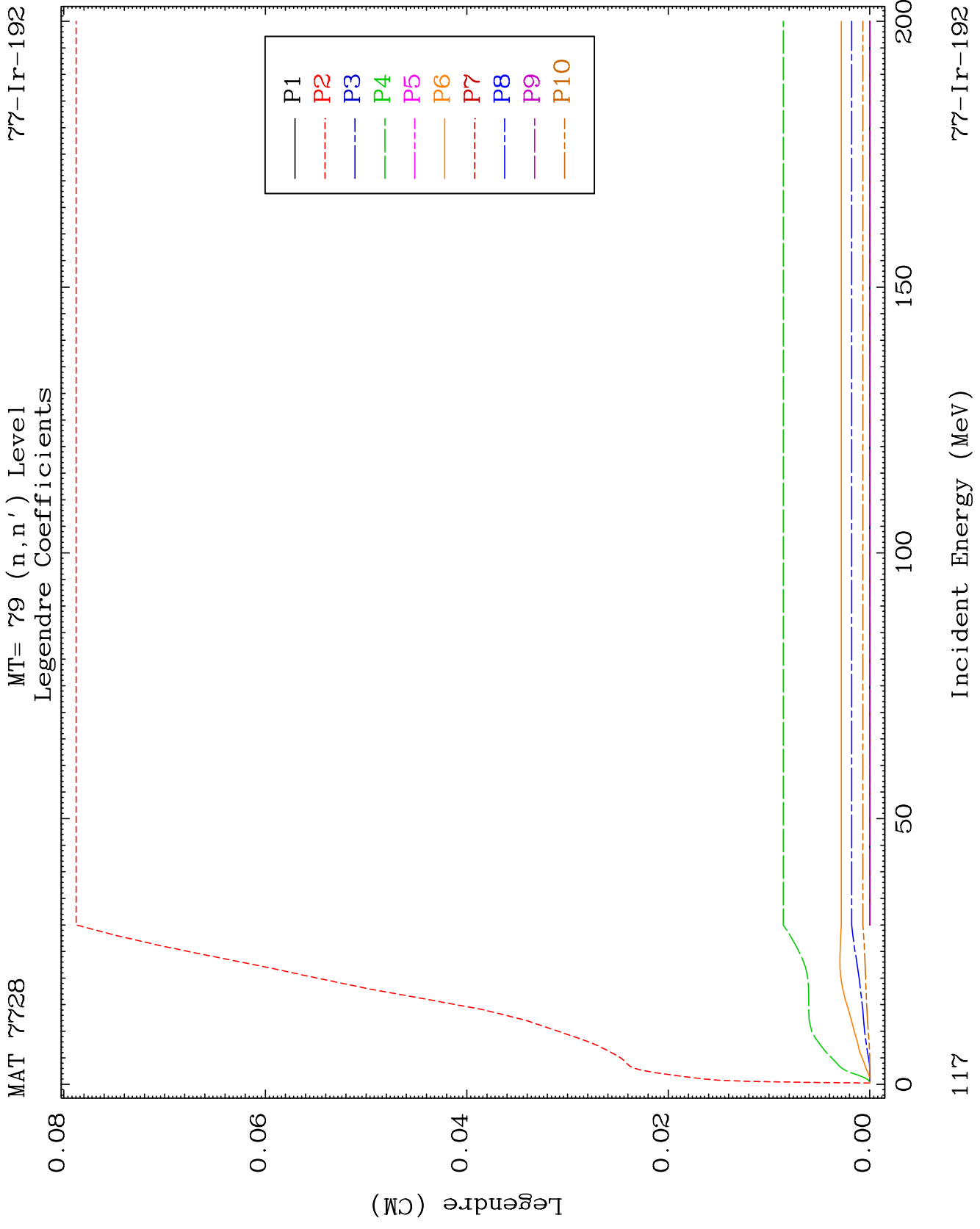
77-Ir-192



116

Incident Energy (MeV)

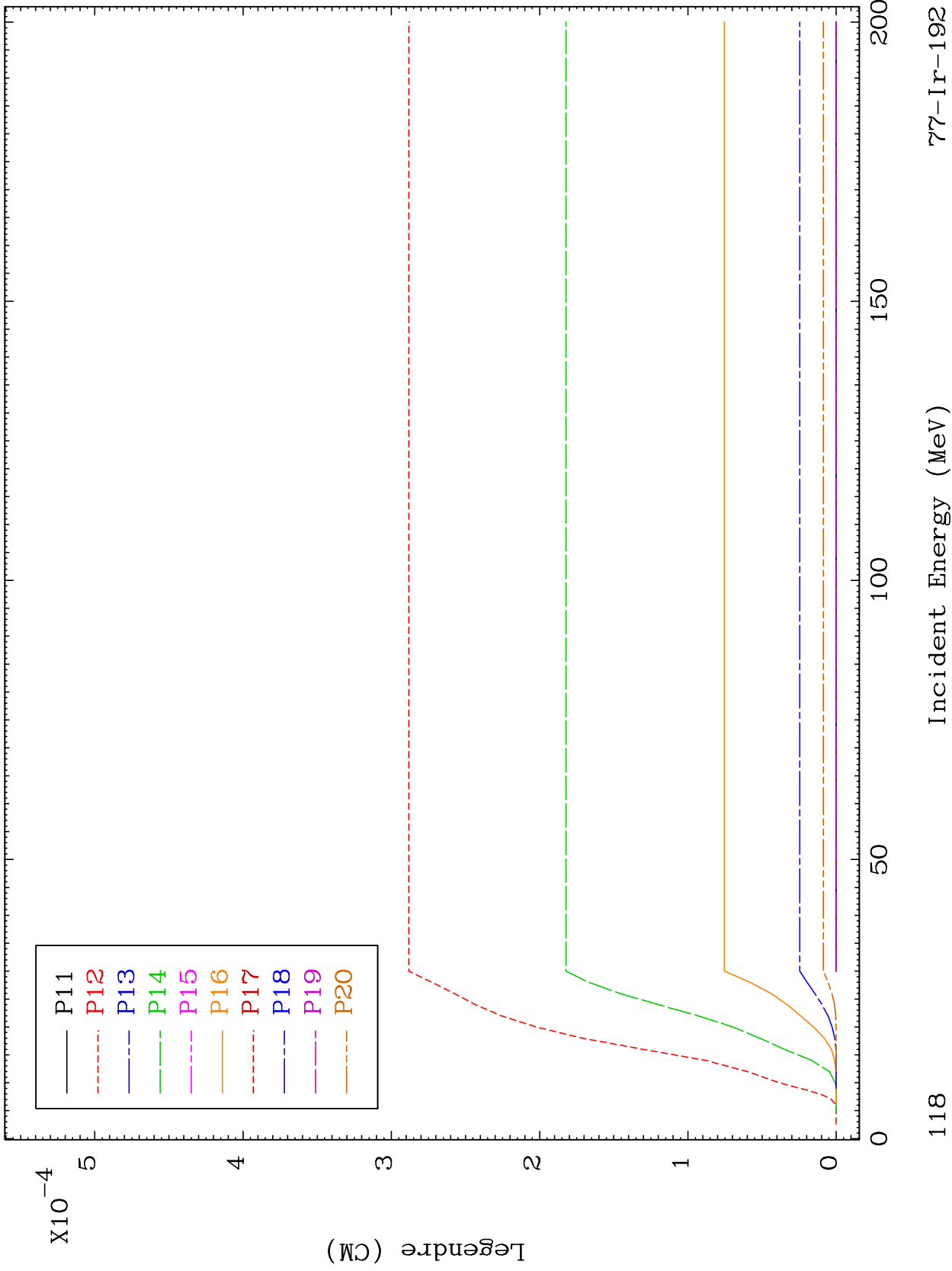
77-Ir-192



MAT 7728

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

77-Ir-192



118

Incident Energy (MeV)

77-Ir-192

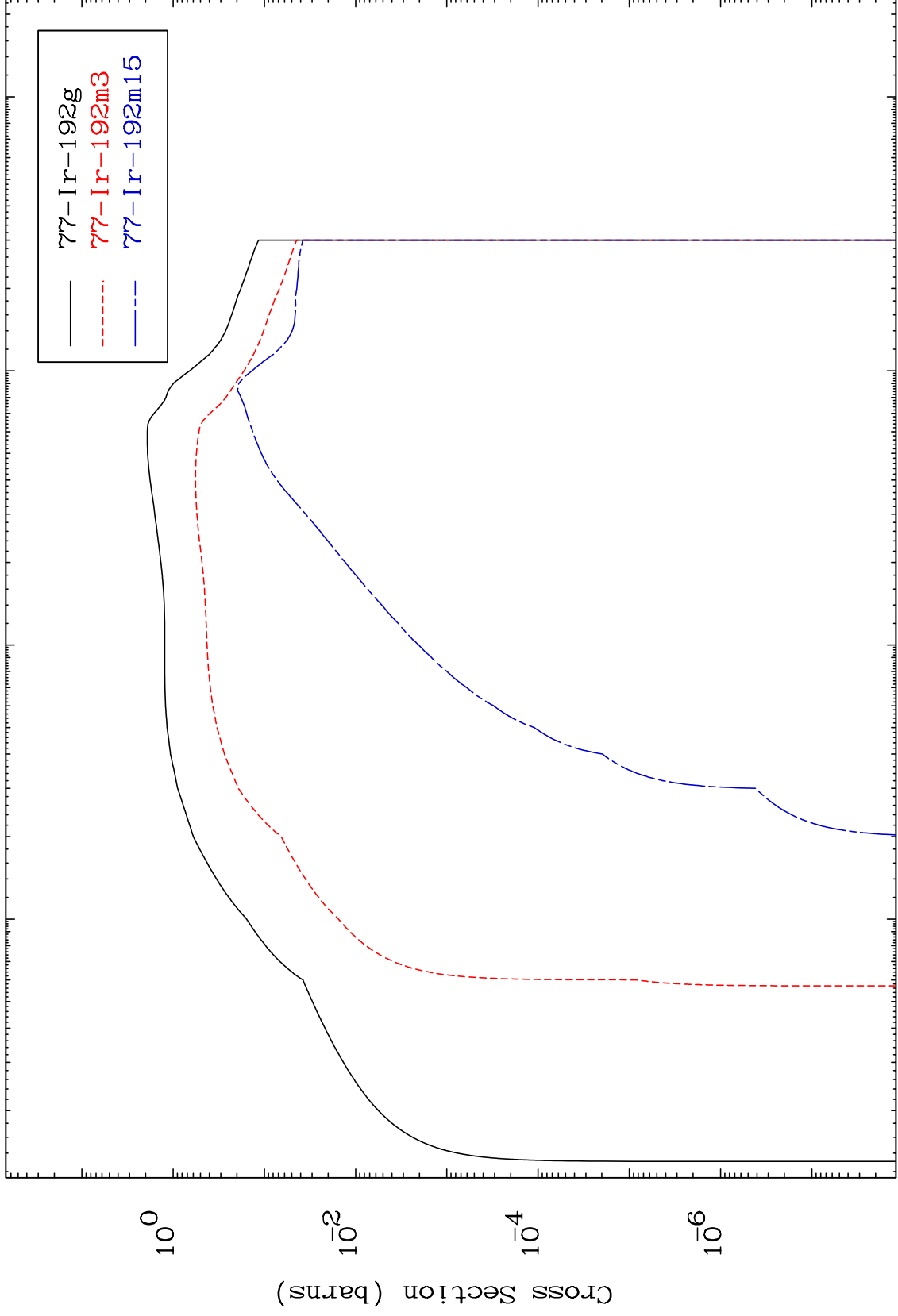




MAT 7728

Inelastic  
Radionuclide Production Cross Section

77-Ir-192



120

Incident Energy (MeV)

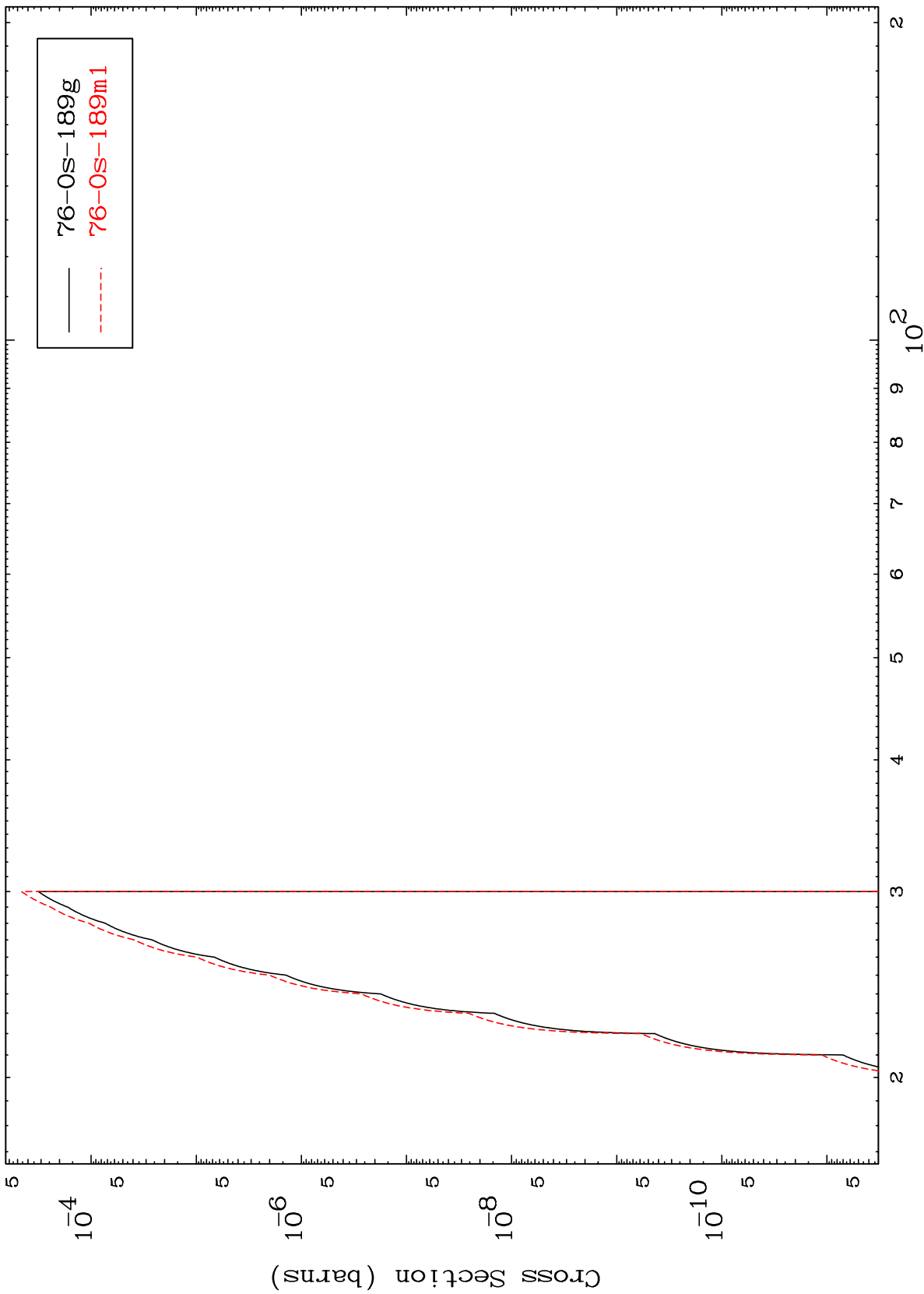
77-Ir-192

MAT 7728

(n,2n) d

77-Ir-192

Radionuclide Production Cross Section



121

Incident Energy (MeV)

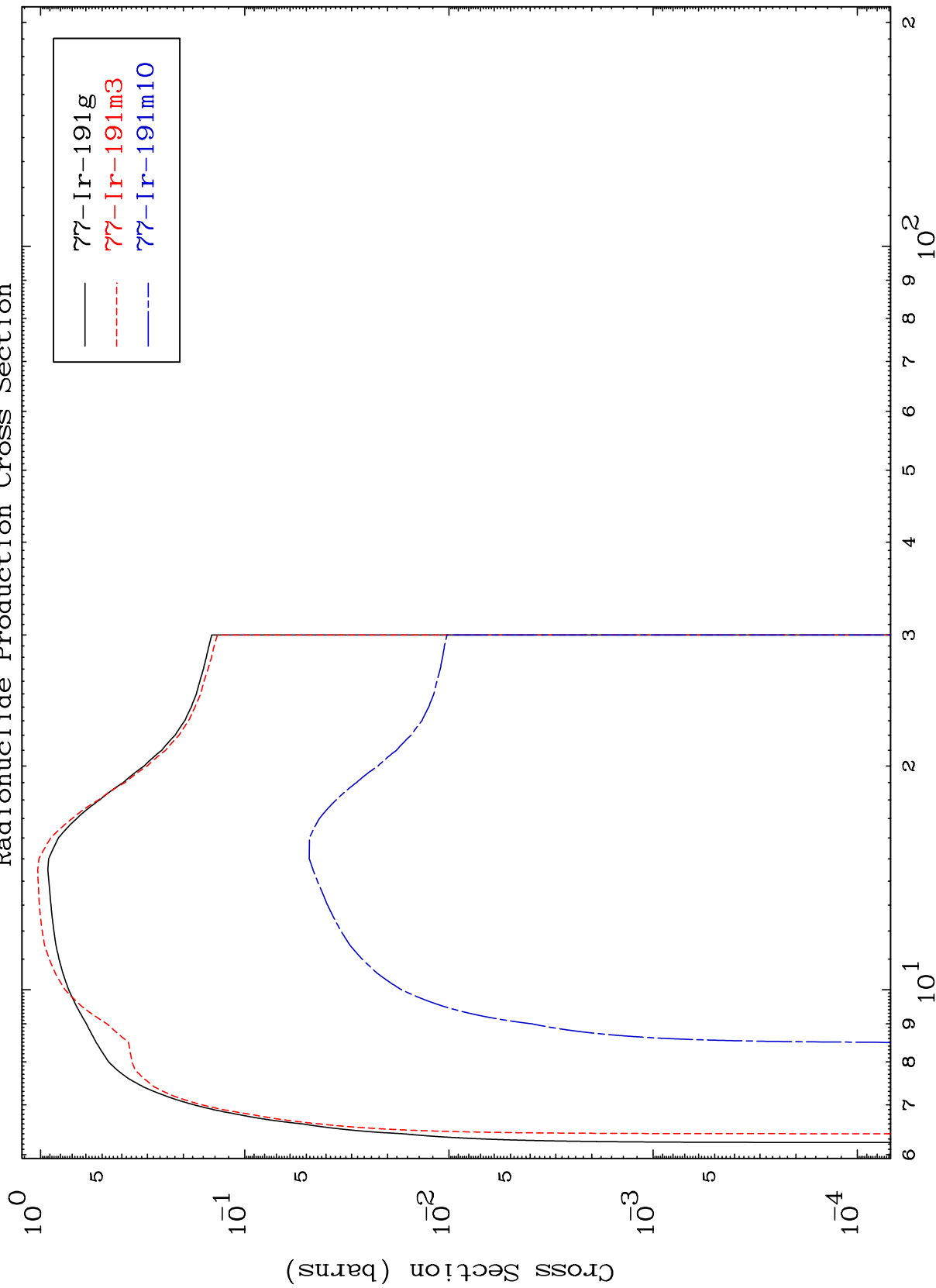
77-Ir-192

MAT 7728

77-Ir-192

(n,2n)

Radionuclide Production Cross Section



122

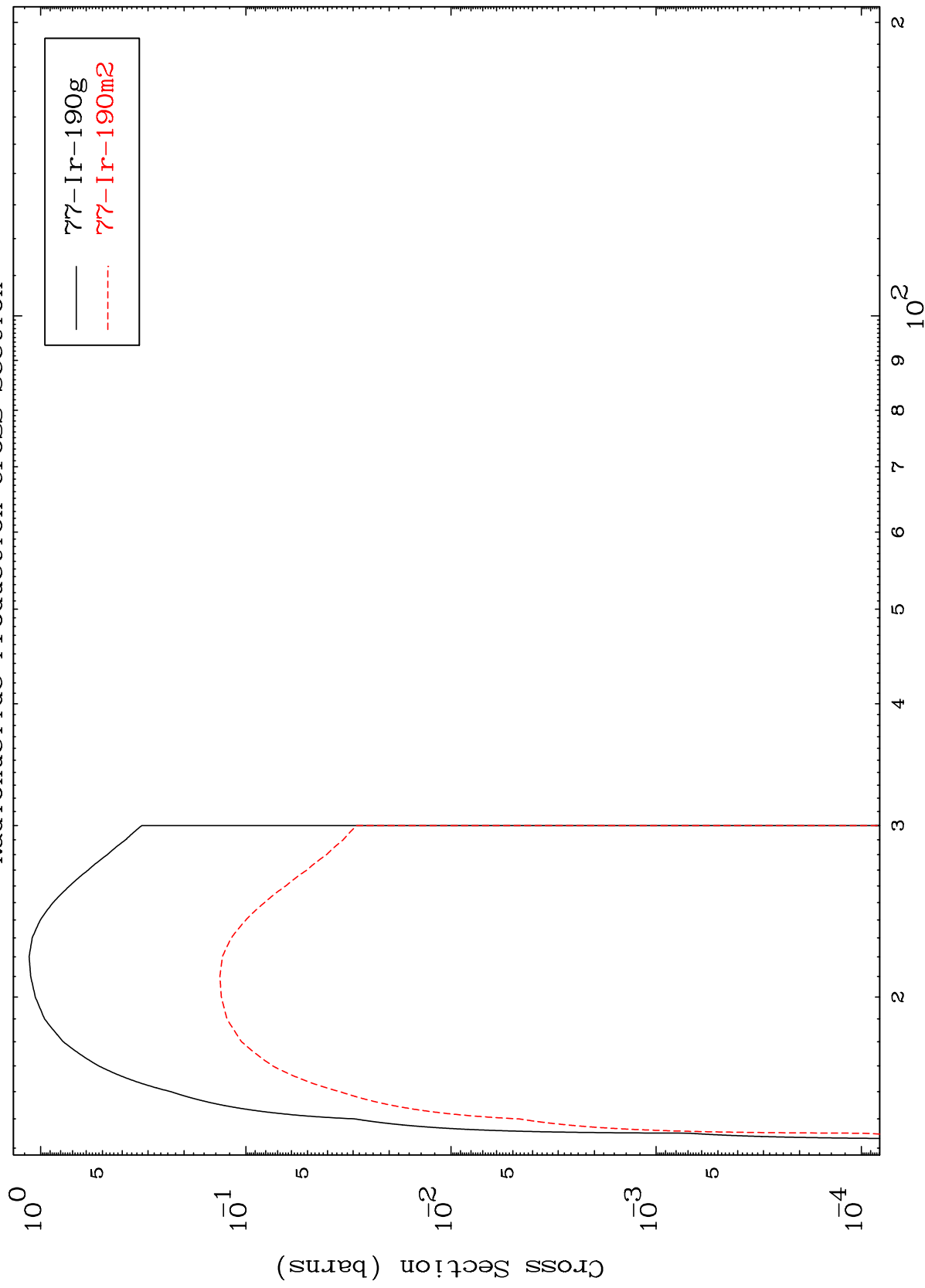
Incident Energy (MeV)

77-Ir-192

MAT 7728

77-Ir-192

(n,3n)  
Radionuclide Production Cross Section



123

Incident Energy (MeV)

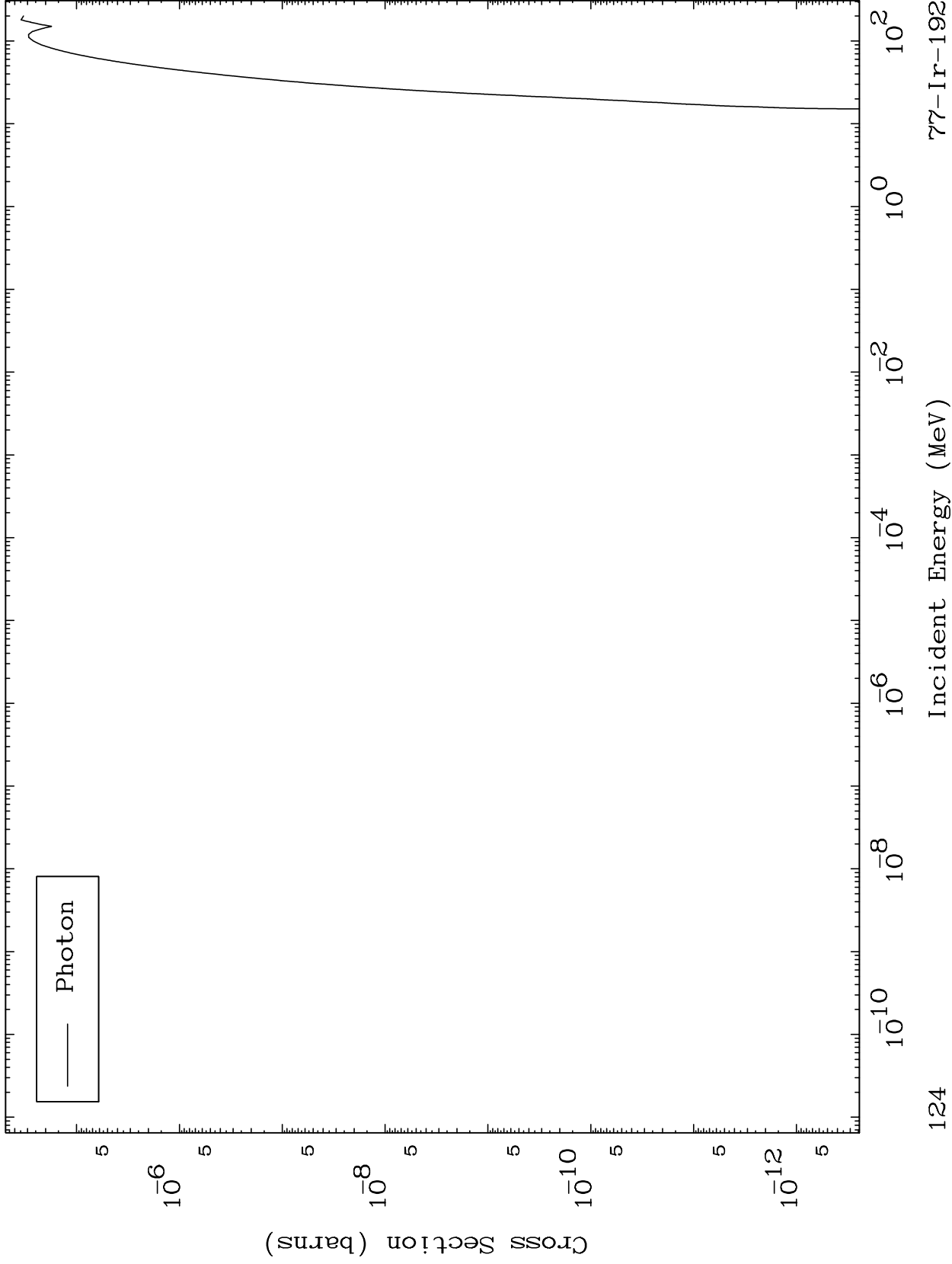
77-Ir-192

MAT 7728

Fission

<sup>77</sup>Ir-192

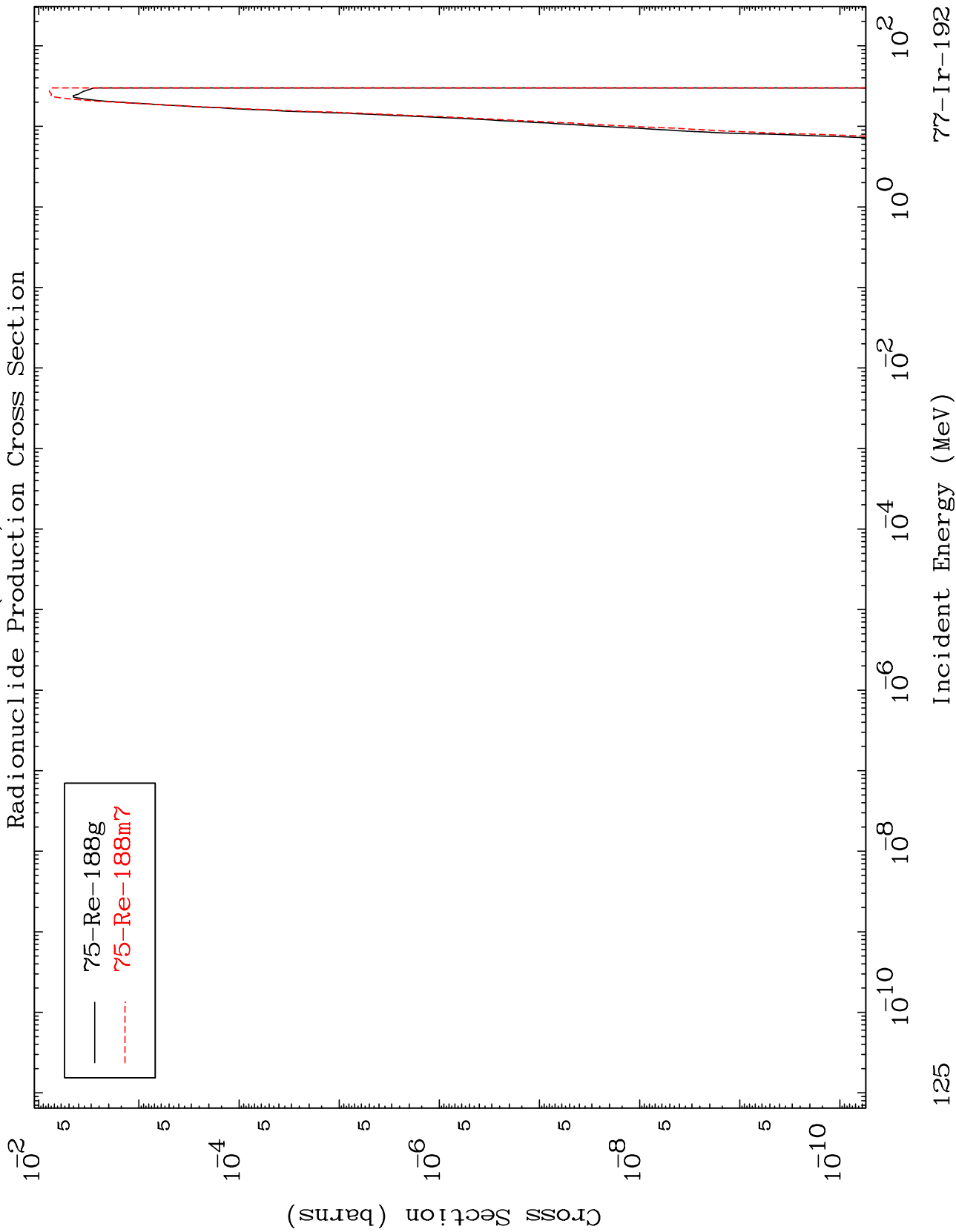
Radionuclide Production Cross Section



MAT 7728

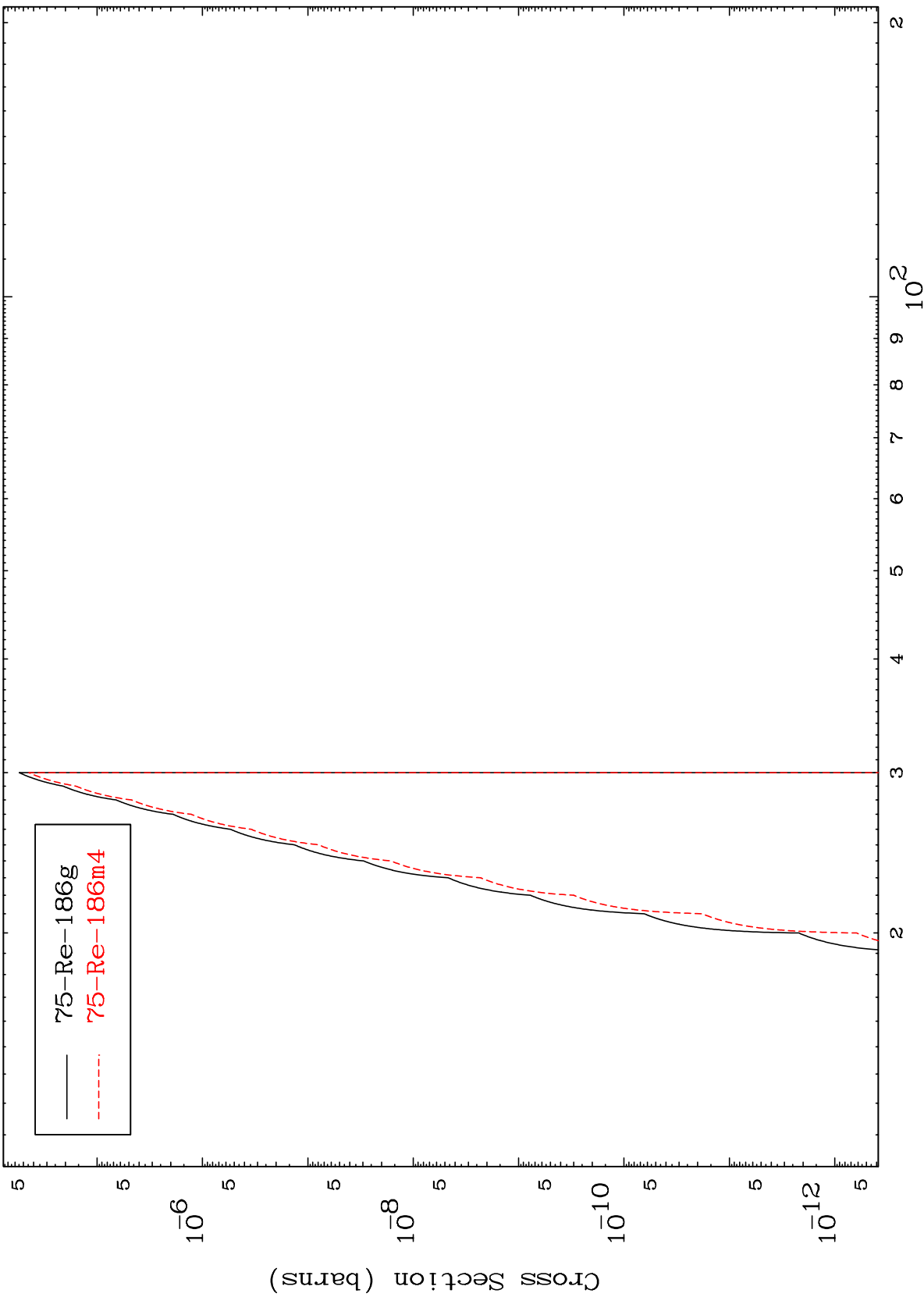
$(n, n') \alpha$

$^{77}\text{Ir-192}$



125

Radionuclide Production Cross Section

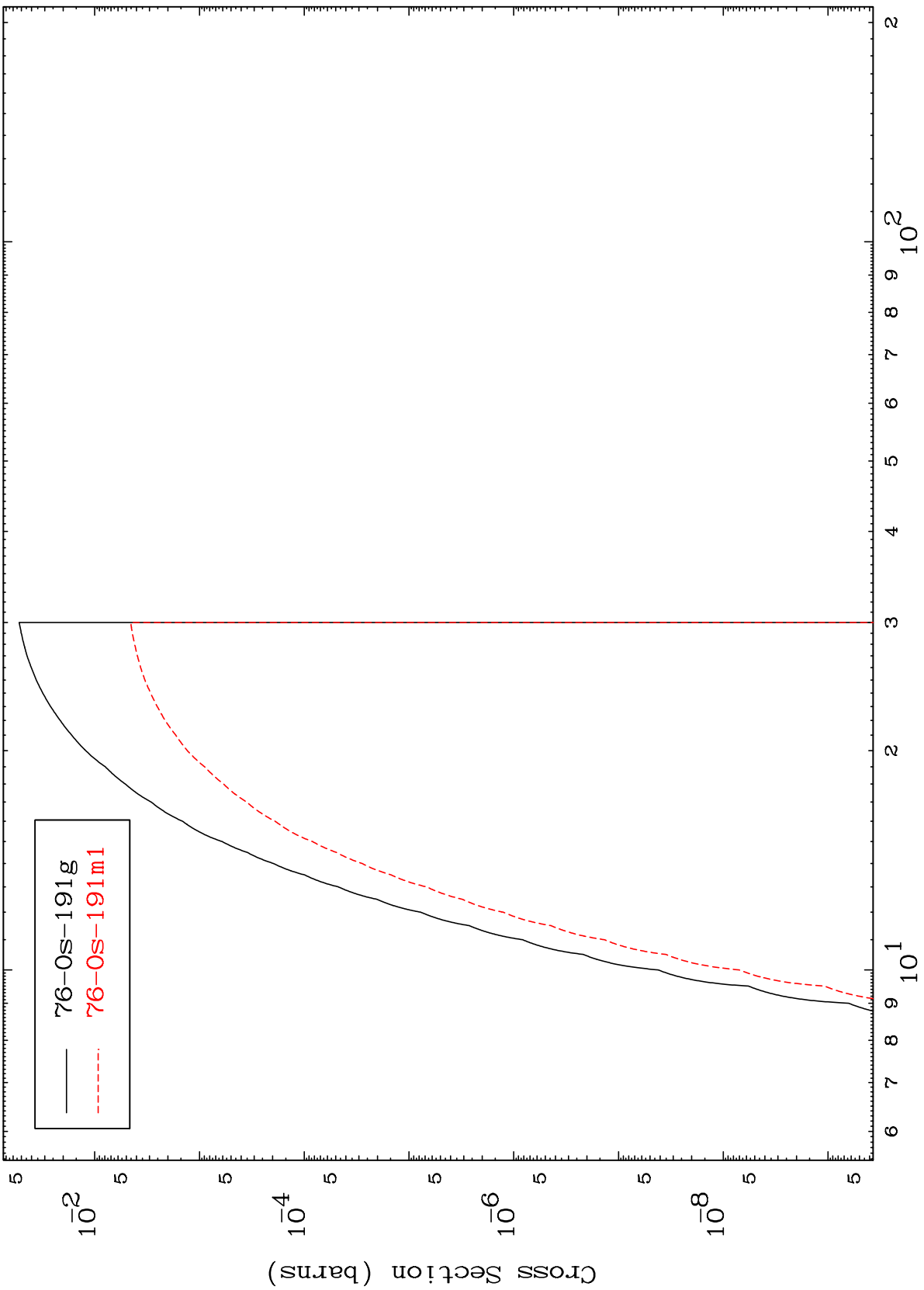


MAT 7728

$(n, n')$  p

$^{77}\text{Ir-192}$

Radionuclide Production Cross Section



— 76-Os-191g  
- - - 76-Os-191m1

127

Incident Energy (MeV)

$^{77}\text{Ir-192}$

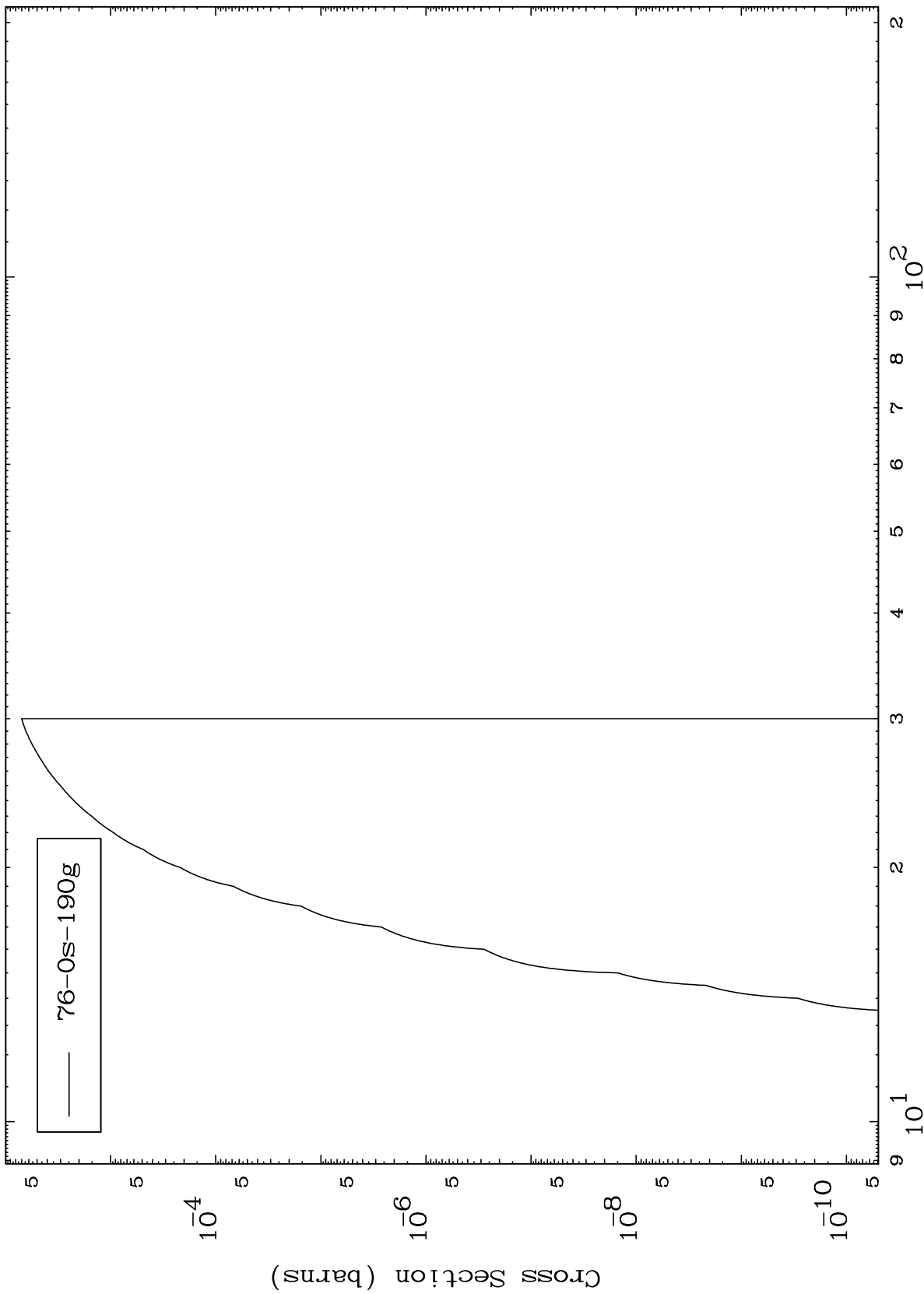


MAT 7728

(n,n') d

77-Ir-192

Radionuclide Production Cross Section

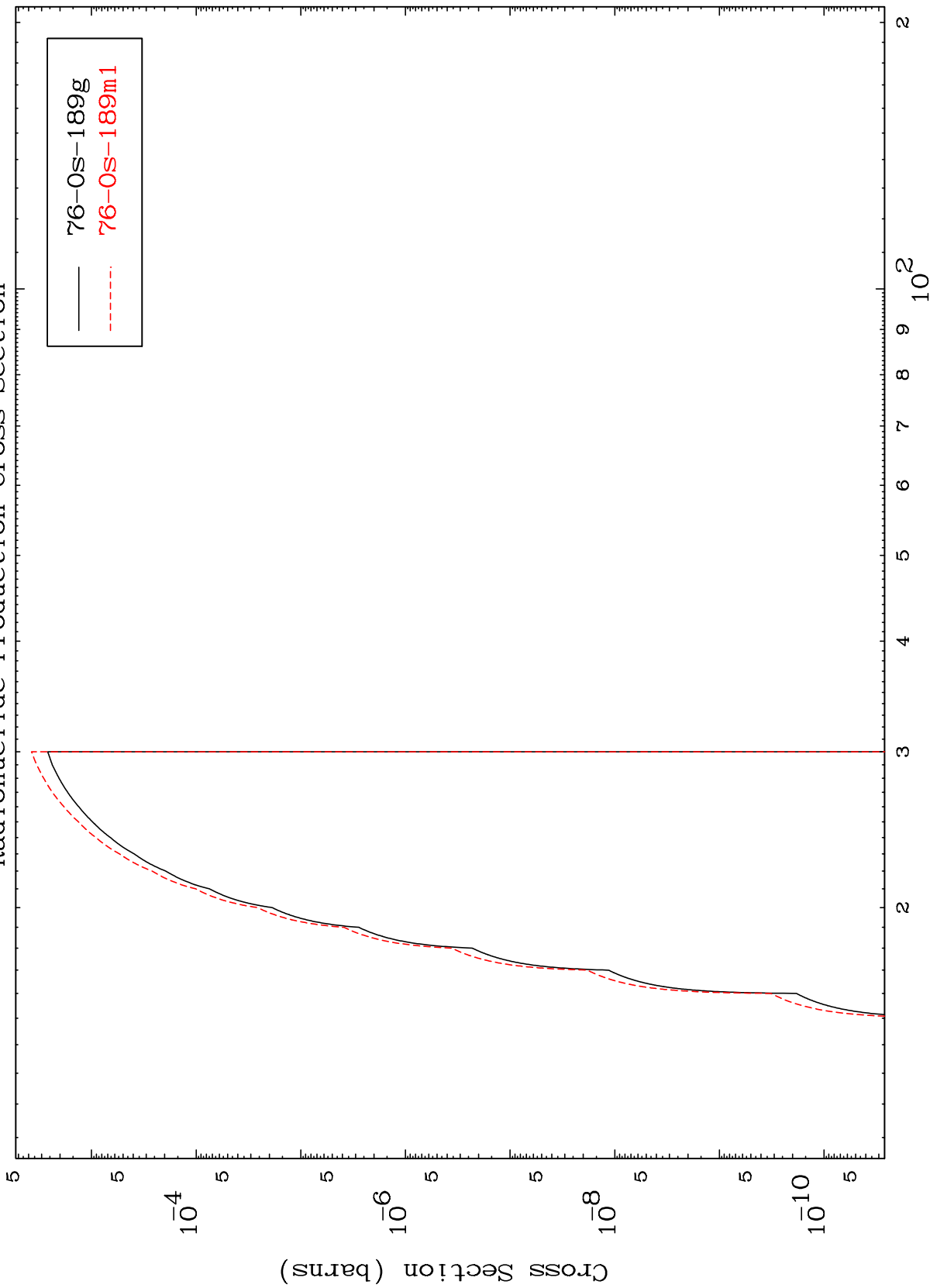


128

Incident Energy (MeV)

77-Ir-192

Radionuclide Production Cross Section

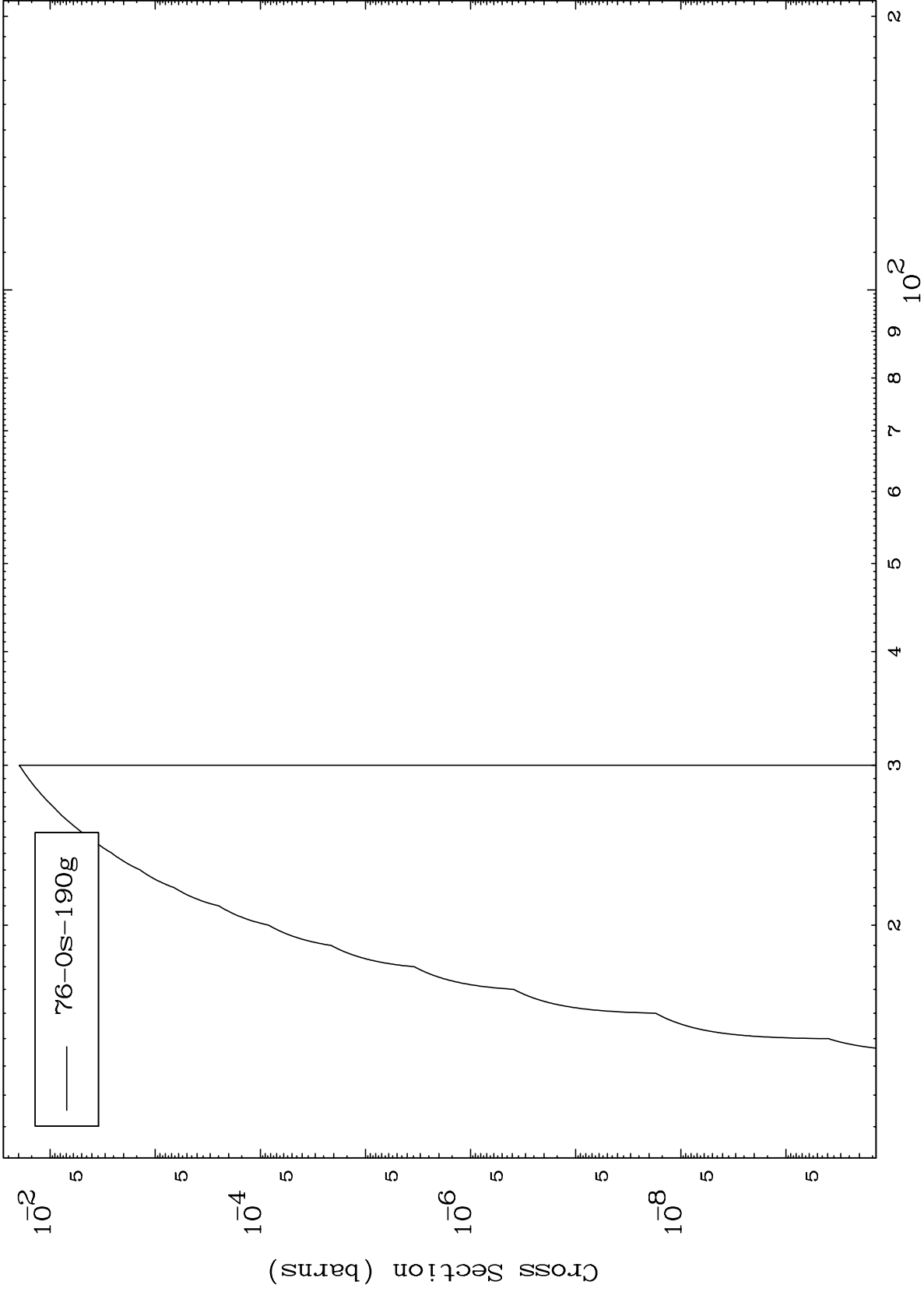


MAT 7728

(n,2n) p

77-Ir-192

Radionuclide Production Cross Section



130

Incident Energy (MeV)

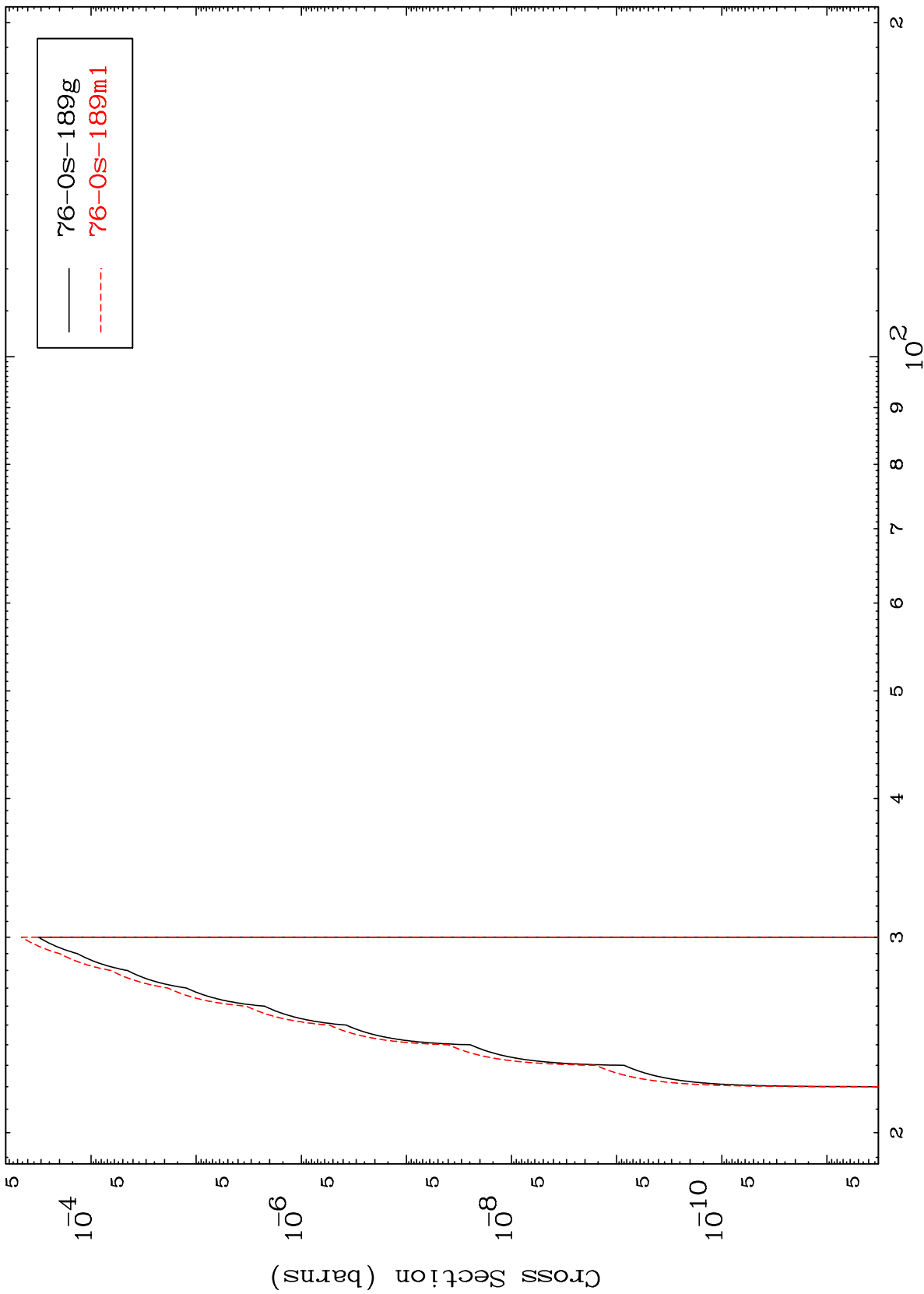
77-Ir-192

MAT 7728

(n,3n) p

77-Ir-192

Radionuclide Production Cross Section



76-Os-189g  
76-Os-189m1

131

Incident Energy (MeV)

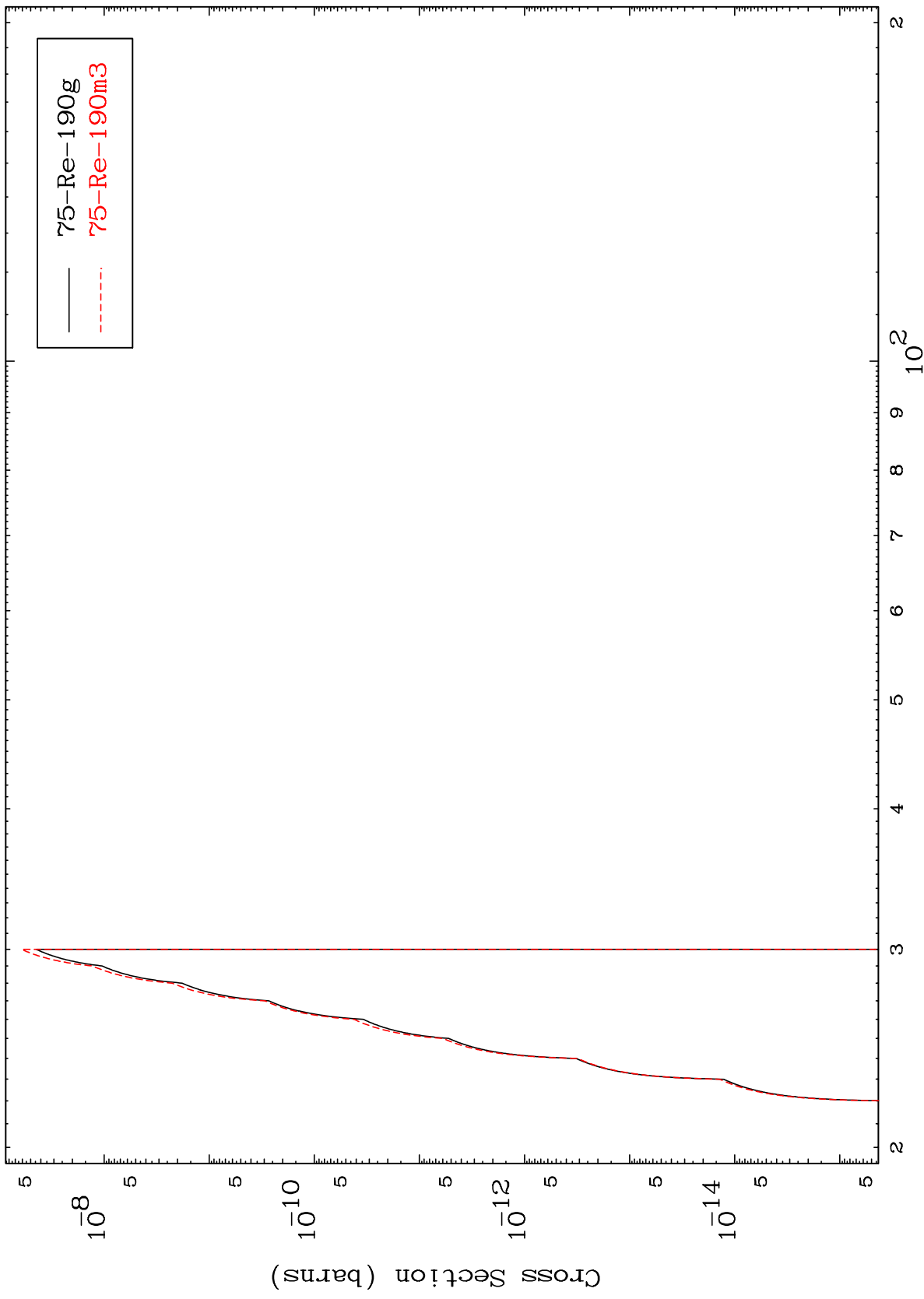
77-Ir-192

MAT 7728

(n,2n) p

77-Ir-192

Radionuclide Production Cross Section



132

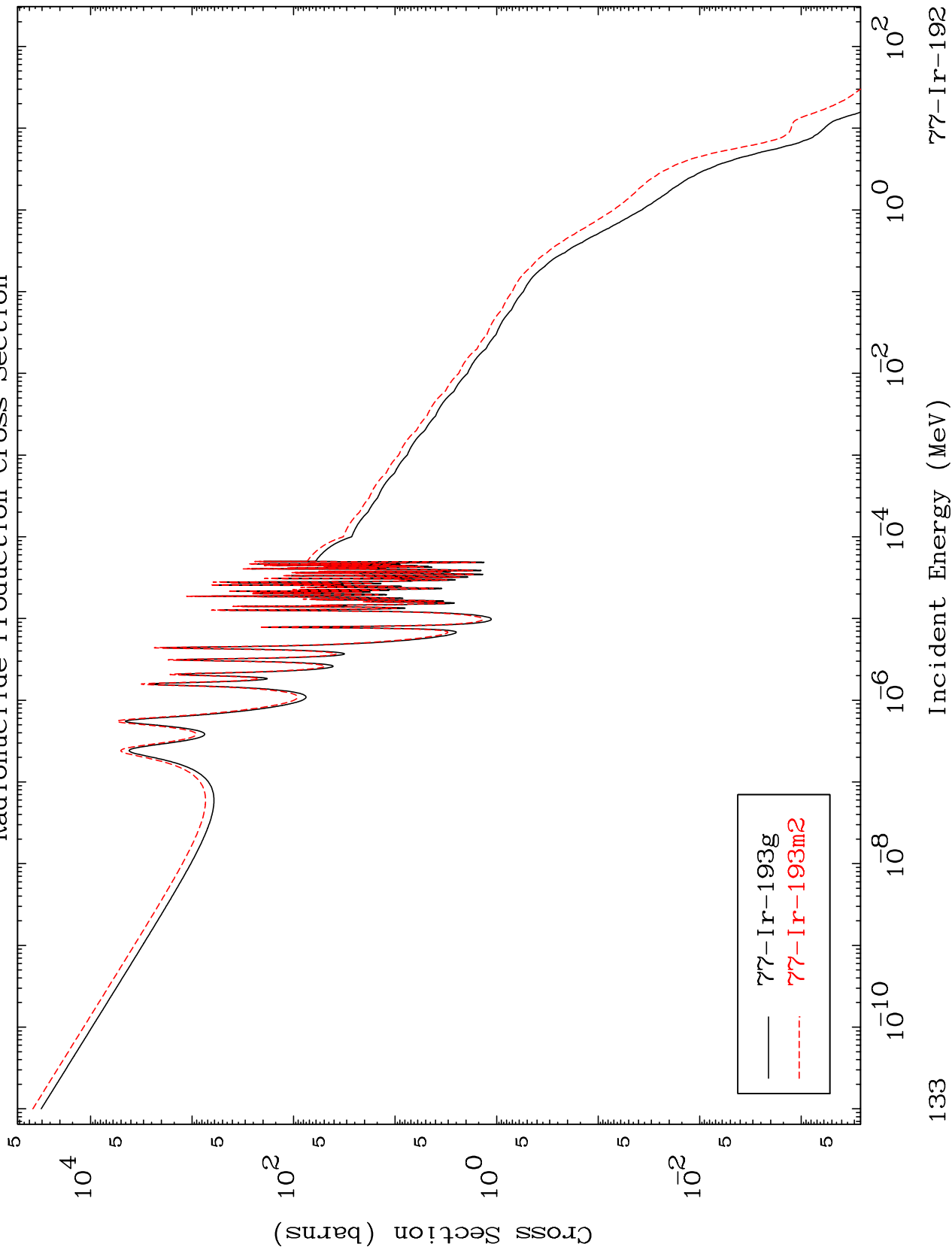
Incident Energy (MeV)

77-Ir-192

MAT 7728

<sup>77</sup>Ir-192

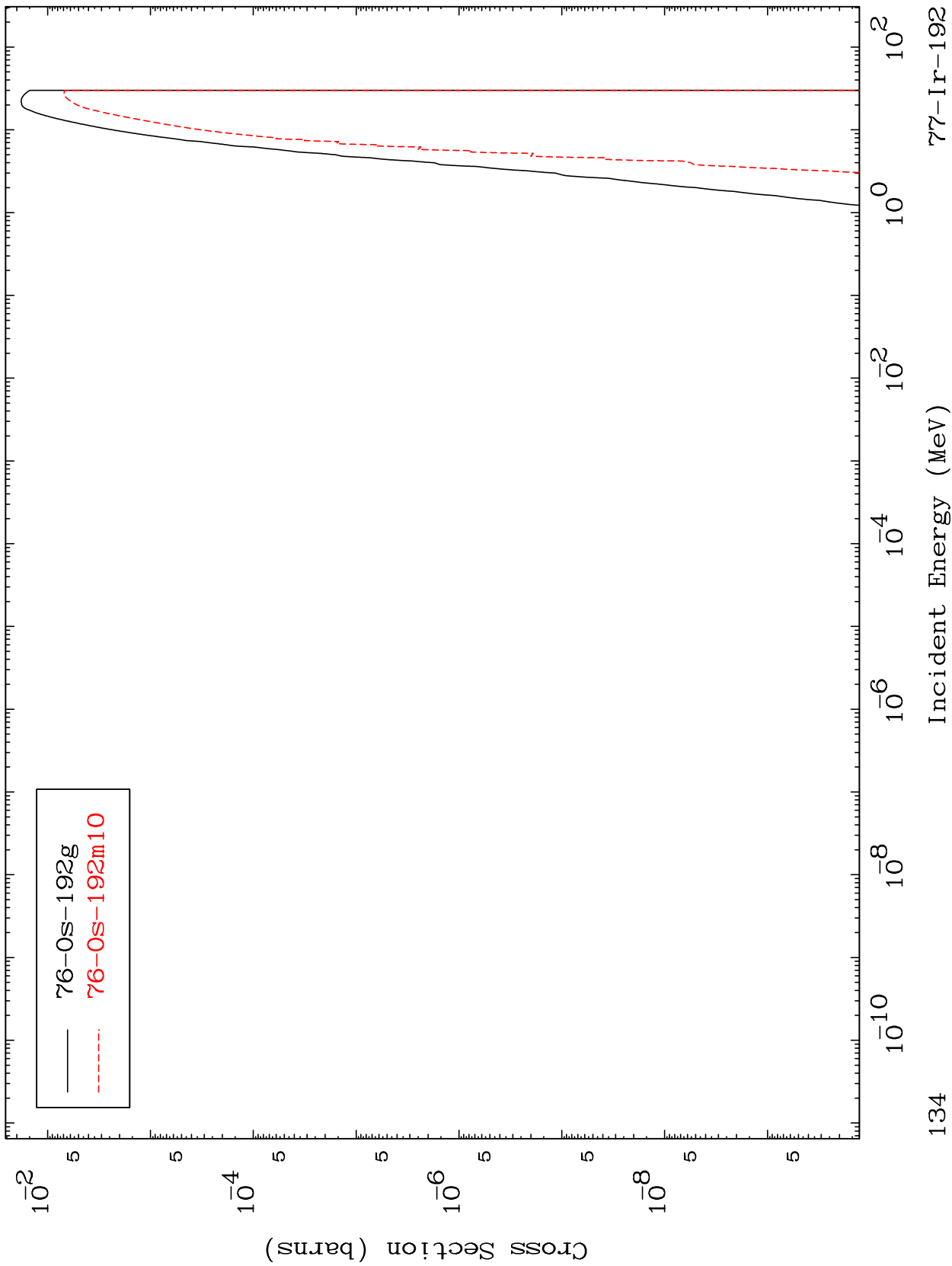
<sup>(n,γ)</sup>  
Radionuclide Production Cross Section



MAT 7728

77-Ir-192

(n,p)  
Radionuclide Production Cross Section



134

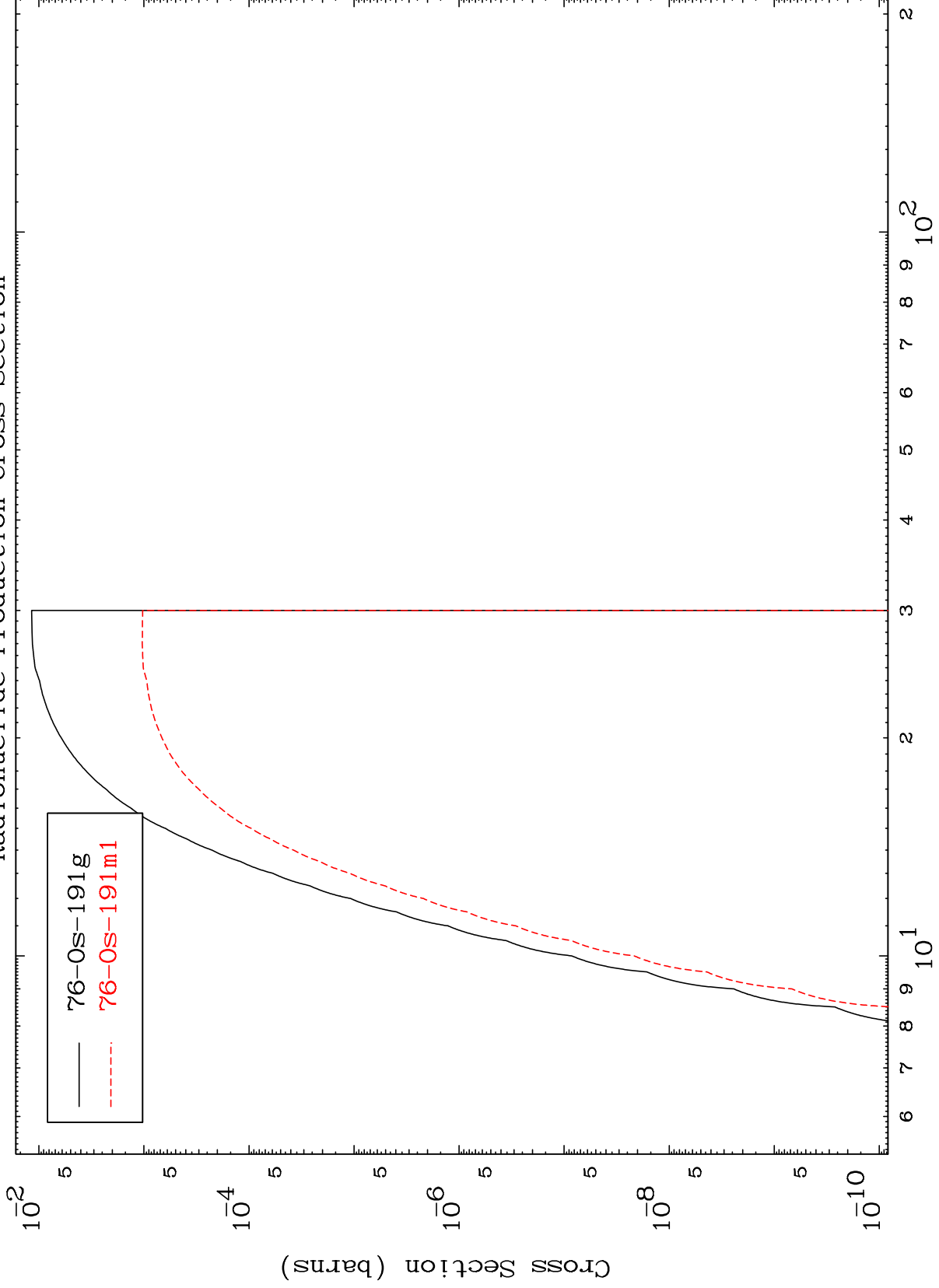
77-Ir-192

MAT 7728

(n,d)

<sup>77</sup>Ir-192

Radionuclide Production Cross Section



135

Incident Energy (MeV)

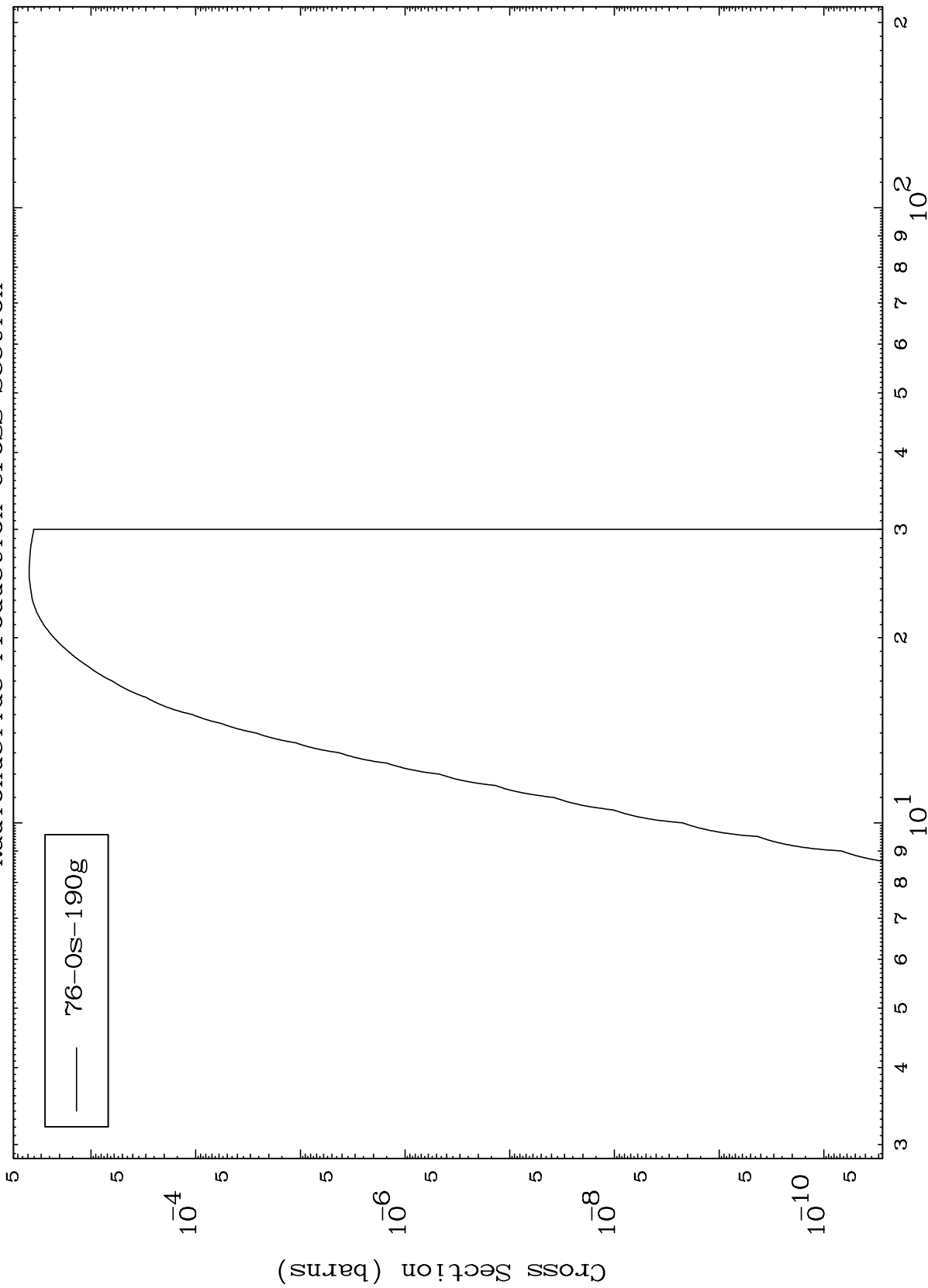
<sup>77</sup>Ir-192



MAT 7728

77-Ir-192

(n, t)  
Radionuclide Production Cross Section



136

Incident Energy (MeV)

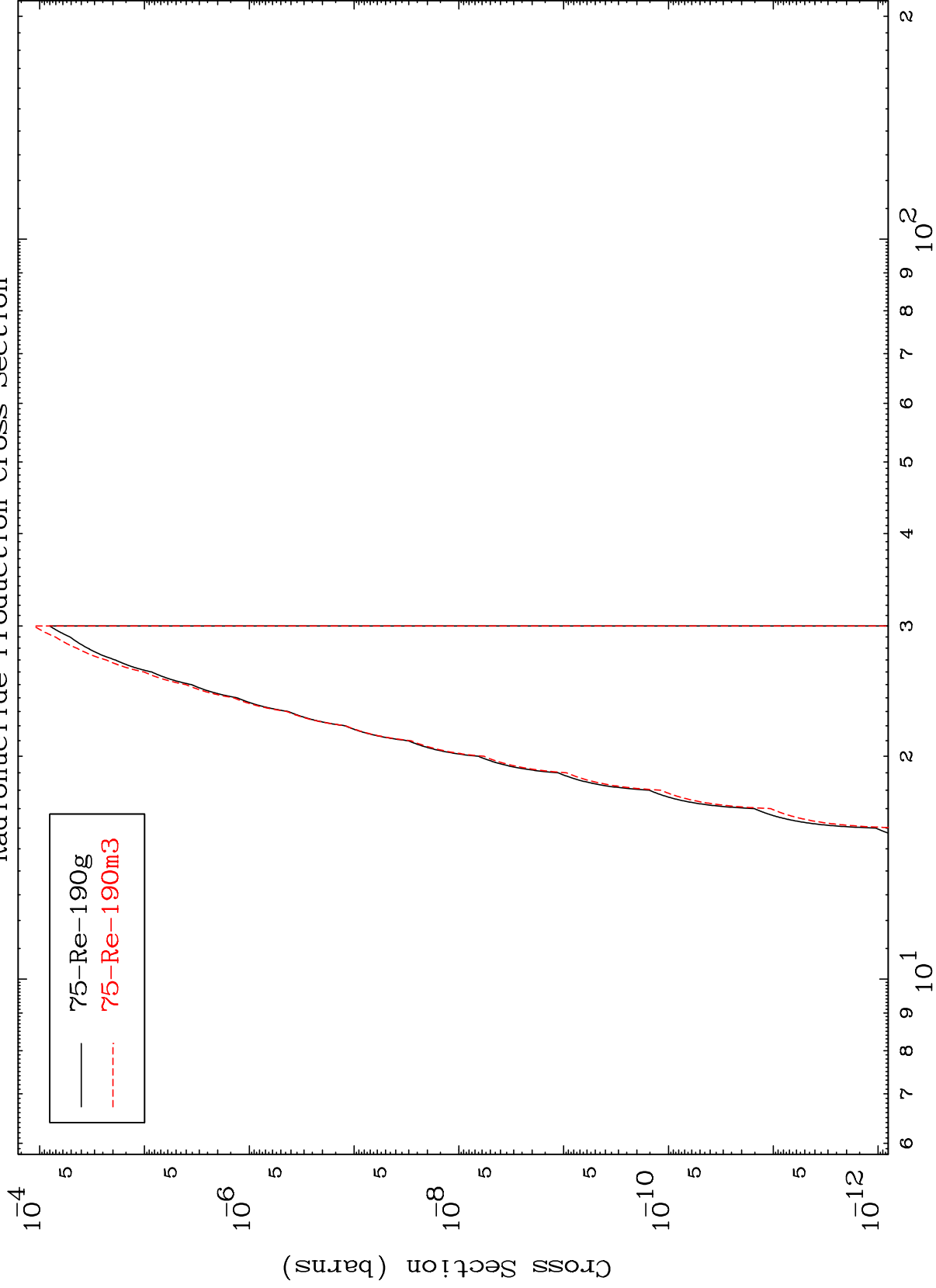
77-Ir-192

MAT 7728

(n,He-3)

77-Ir-192

Radionuclide Production Cross Section



137

Incident Energy (MeV)

77-Ir-192