

Program EVALPLOT
(Version 2017-1)

by

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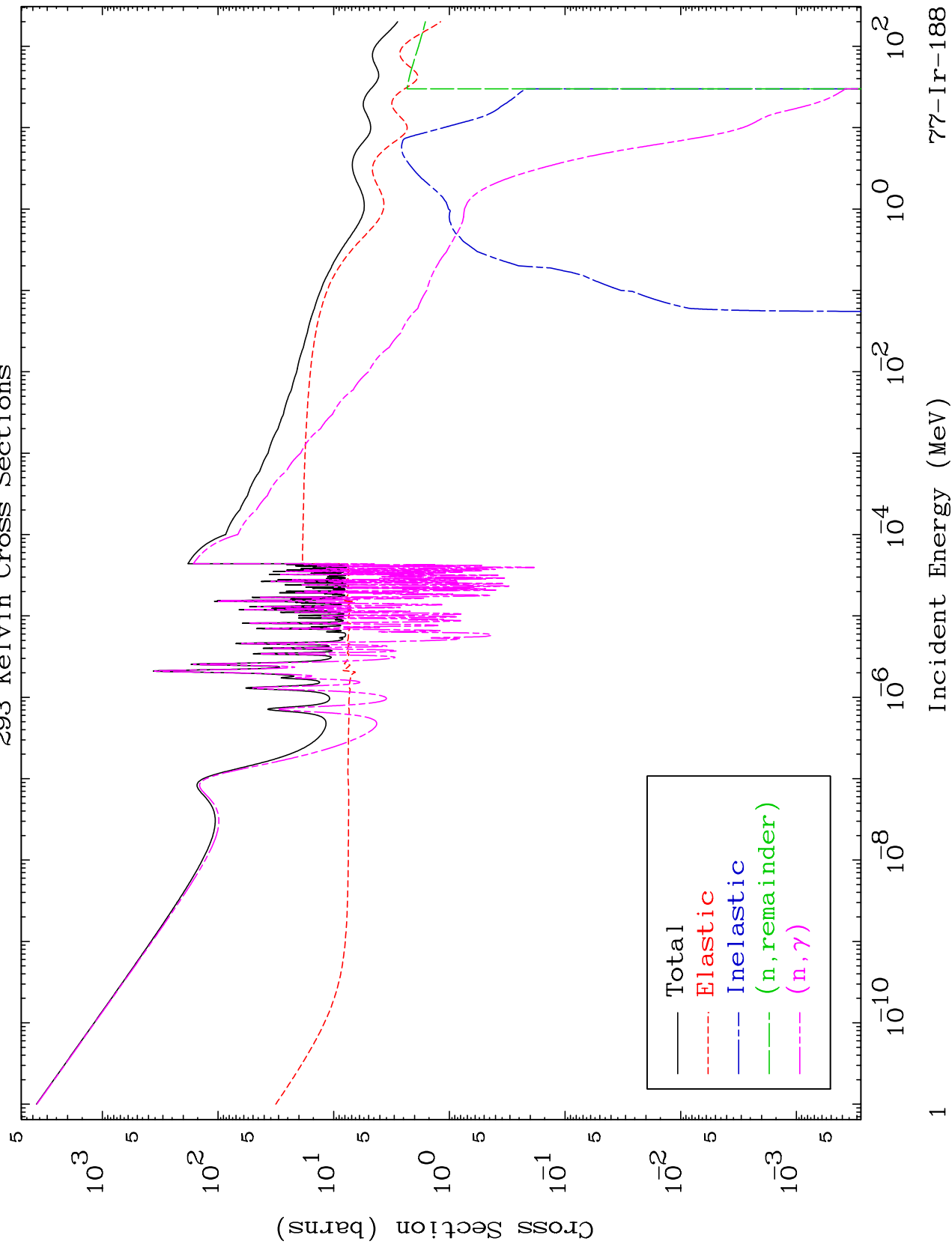
Press Mouse Button to Start

MAT 7716

Major

293 Kelvin Cross Sections

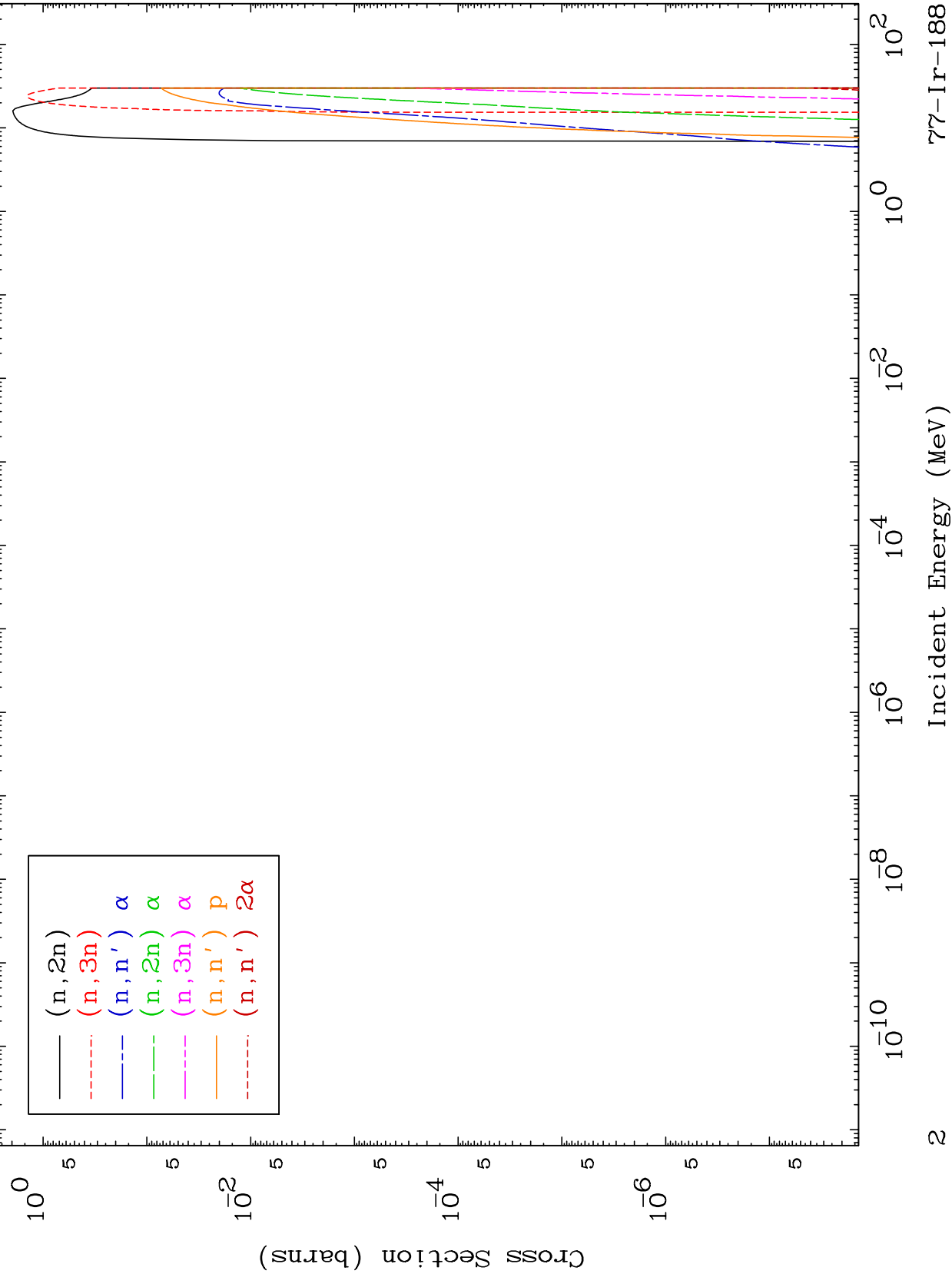
77-Ir-188



MAT 7716

Neutron Production
293 Kelvin Cross Sections

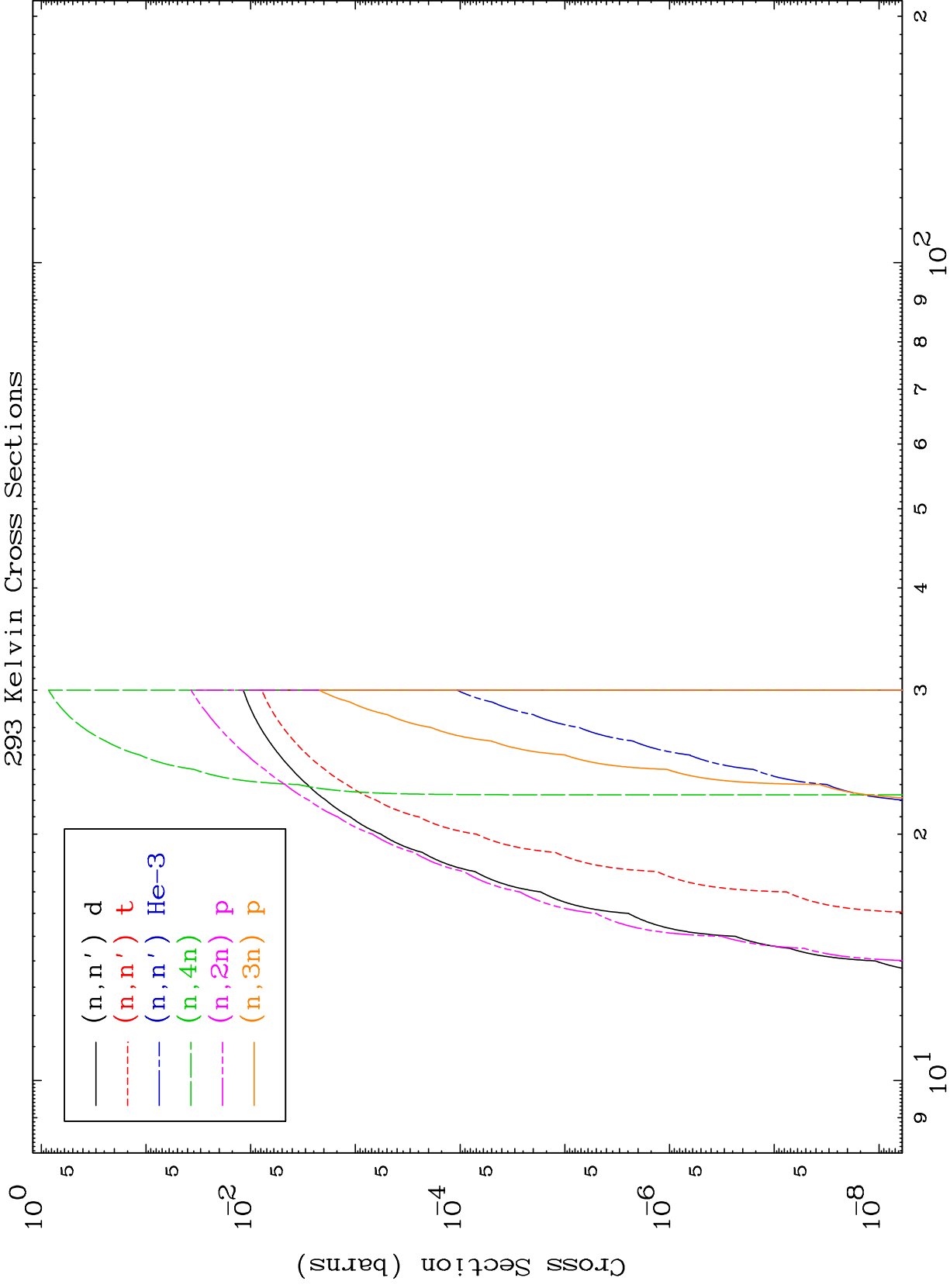
77-Ir-188



MAT 7716

Neutron Production
293 Kelvin Cross Sections

77-Ir-188



Incident Energy (MeV)

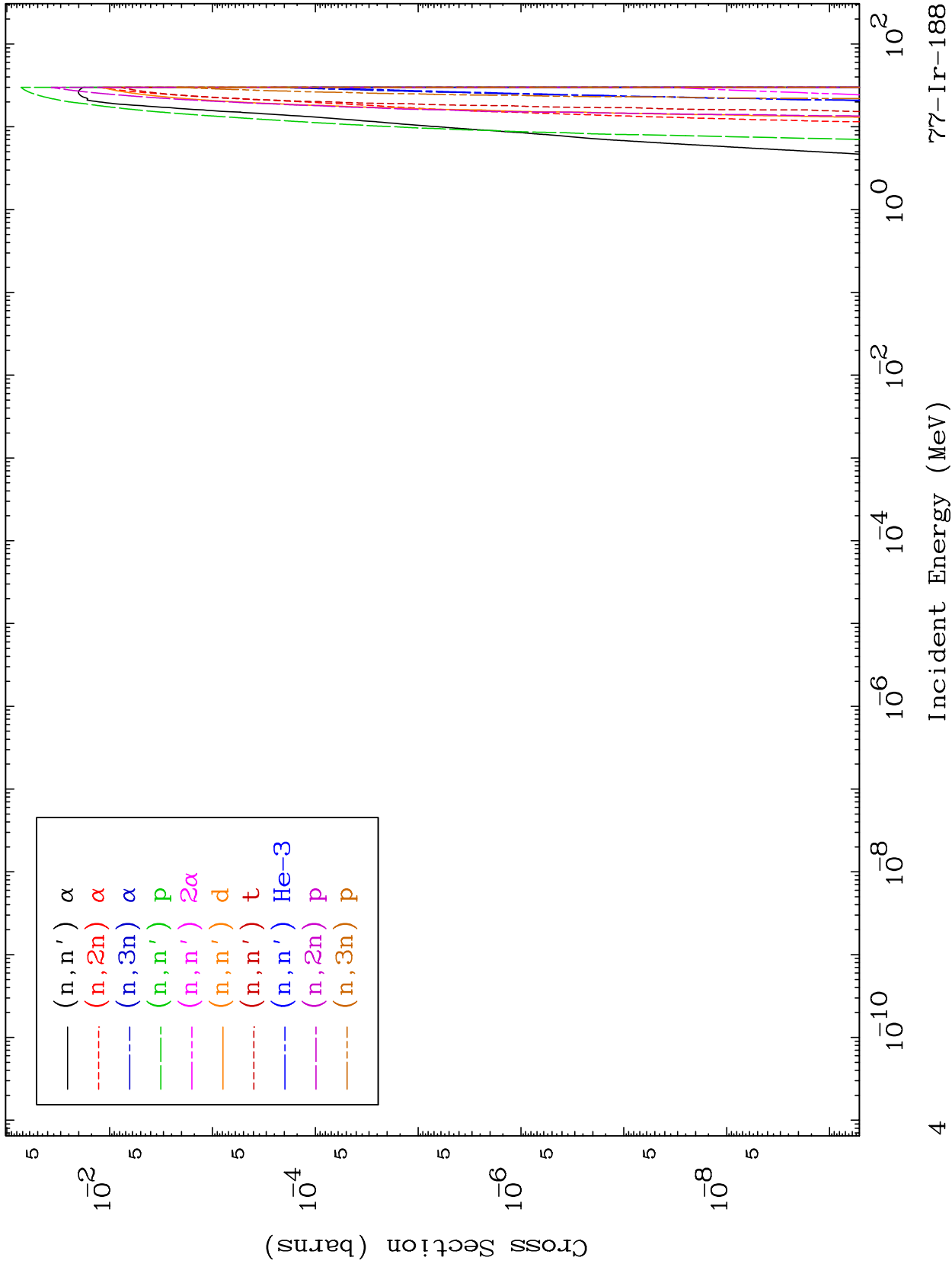
77-Ir-188

3

MAT 7716

Charged Particle
293 Kelvin Cross Sections

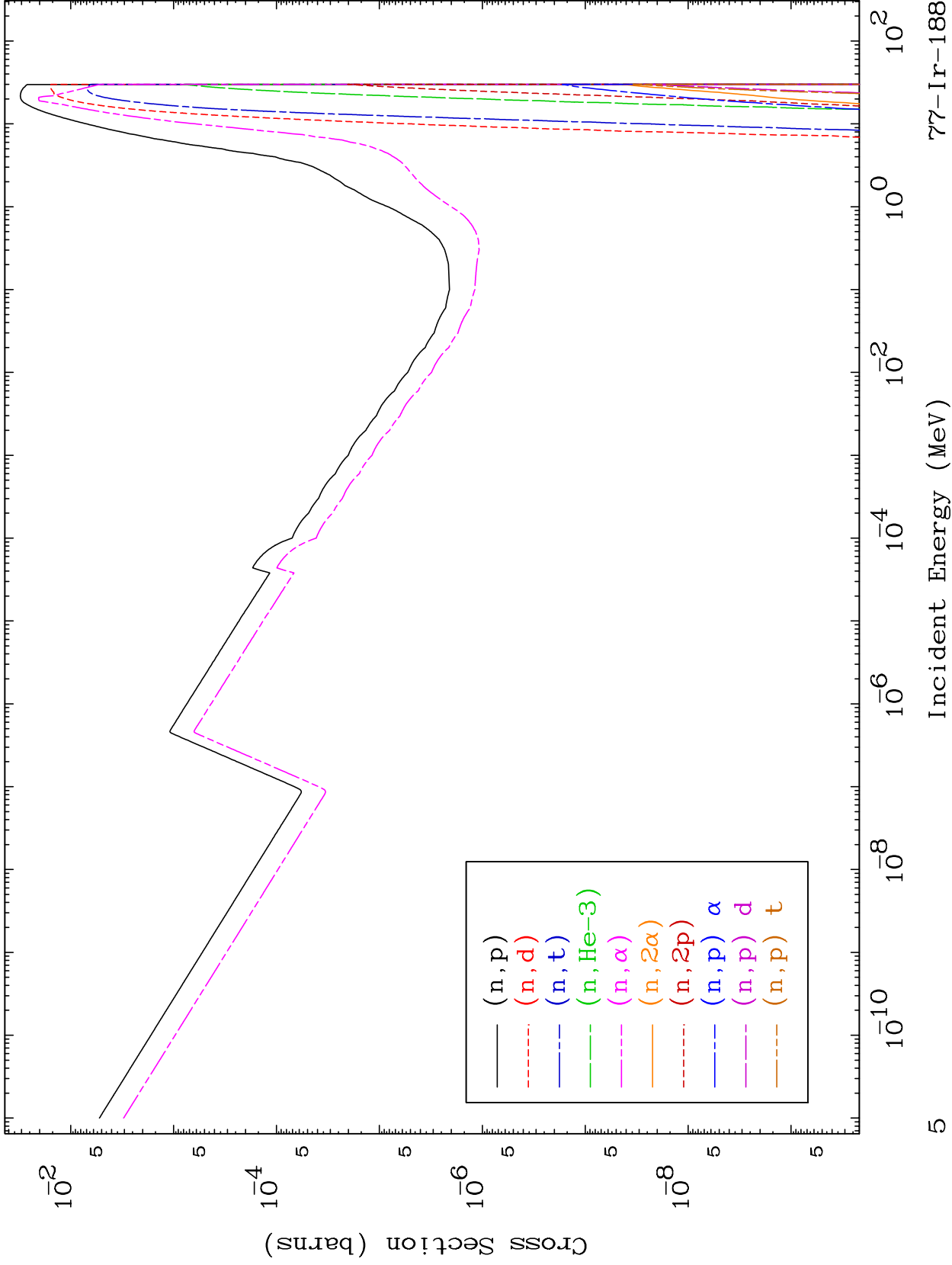
77-Ir-188

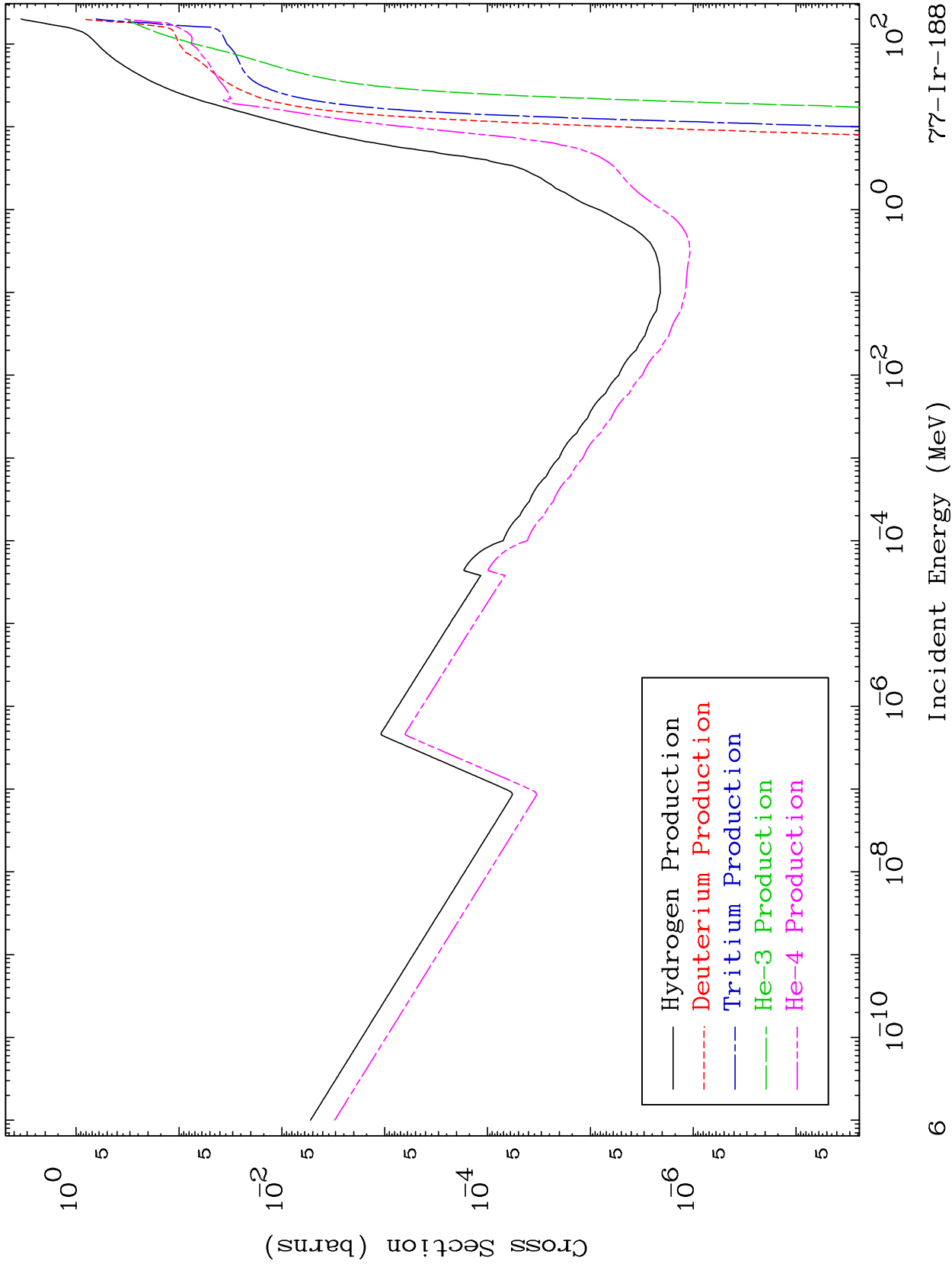


MAT 7716

Charged Particle
293 Kelvin Cross Sections

77-Ir-188

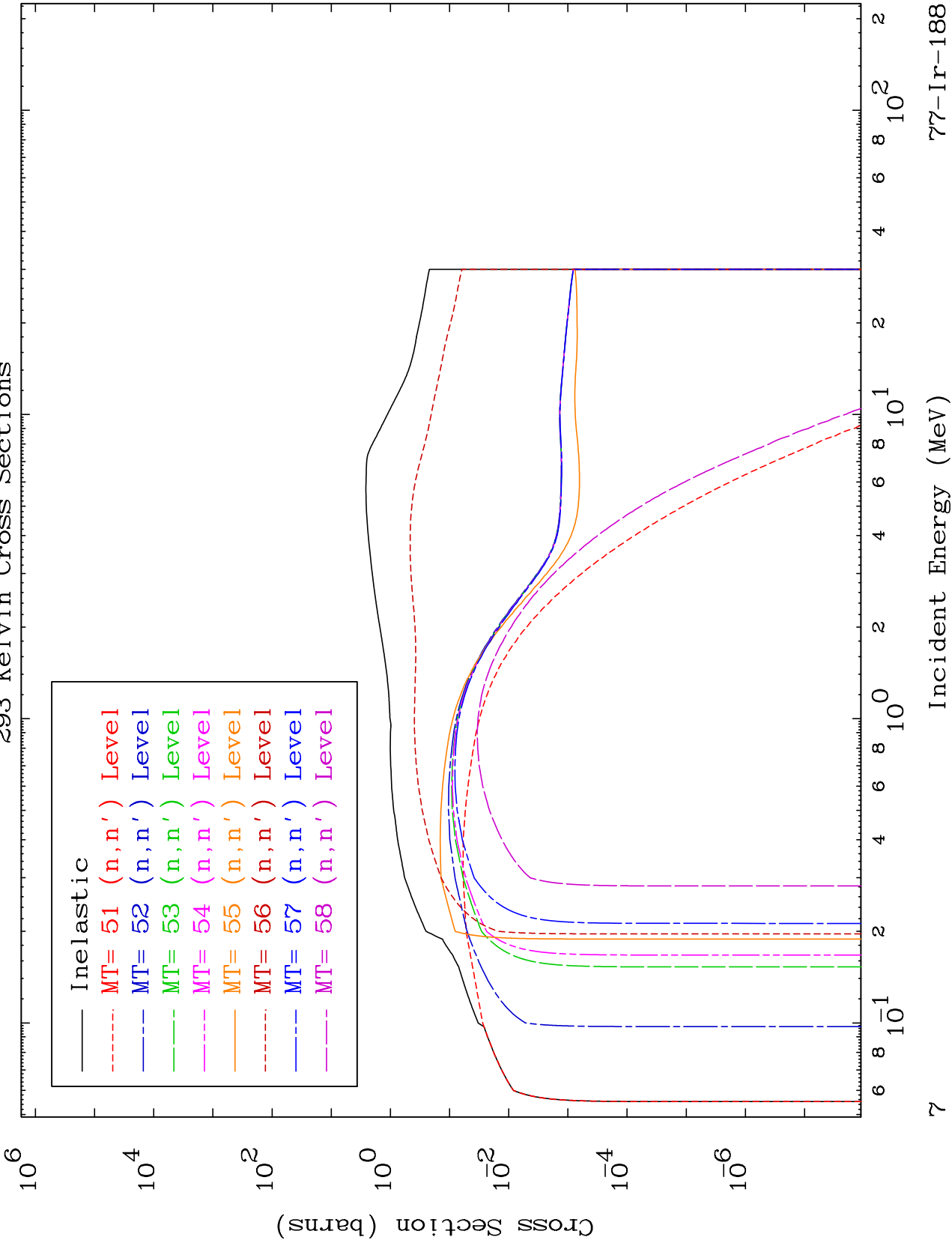




MAT 7716

293 Kelvin Cross Sections

77-Ir-188

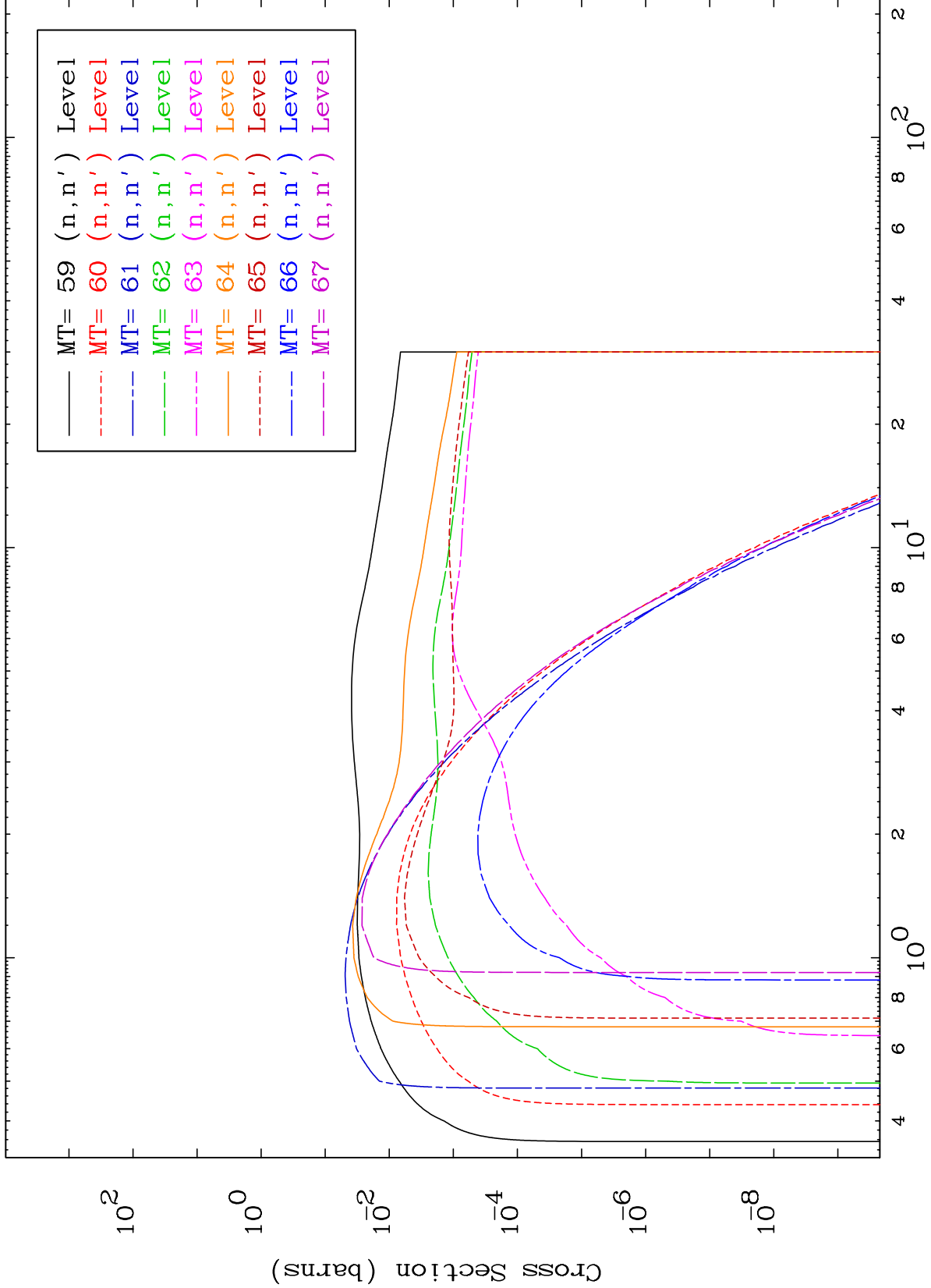


MAT 7716

(n,n') Level

77-Ir-188

293 Kelvin Cross Sections



8

Incident Energy (MeV)

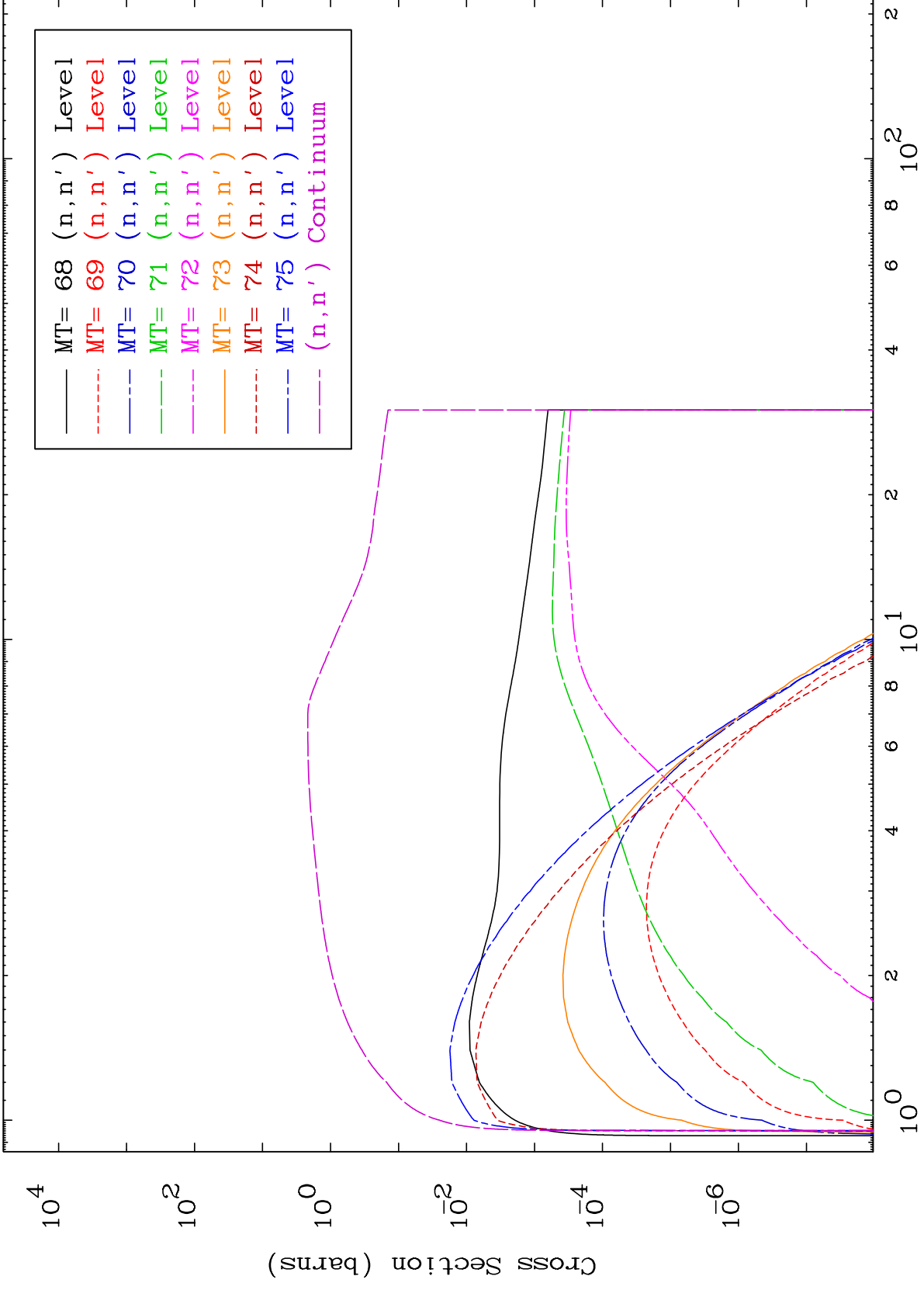
77-Ir-188

MAT 7716

(n,n') Level

77-Ir-188

293 Kelvin Cross Sections



Incident Energy (MeV)

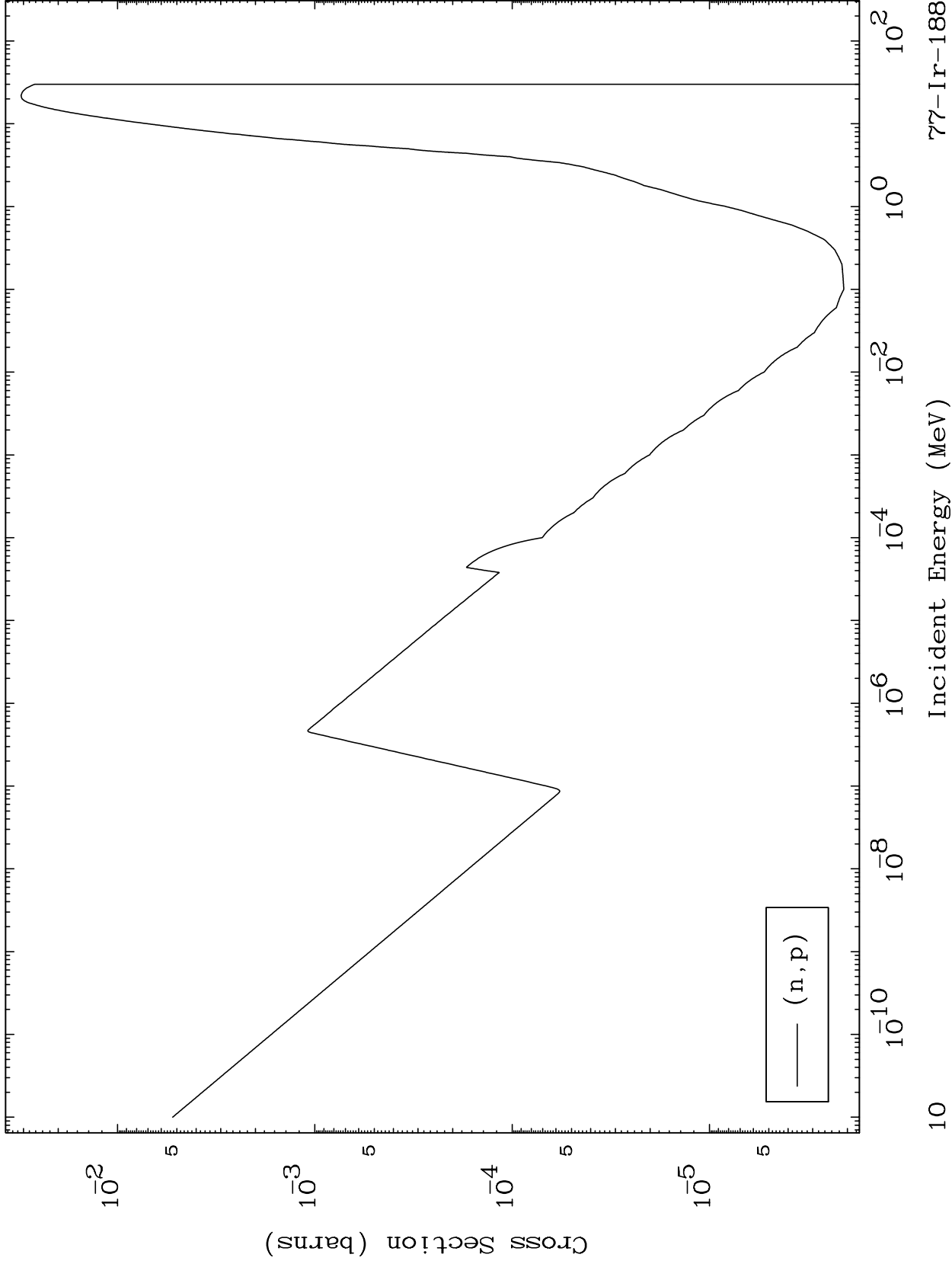
77-Ir-188

9

MAT 7716

(n,p) Levels
293 Kelvin Cross Sections

77-Ir-188



10

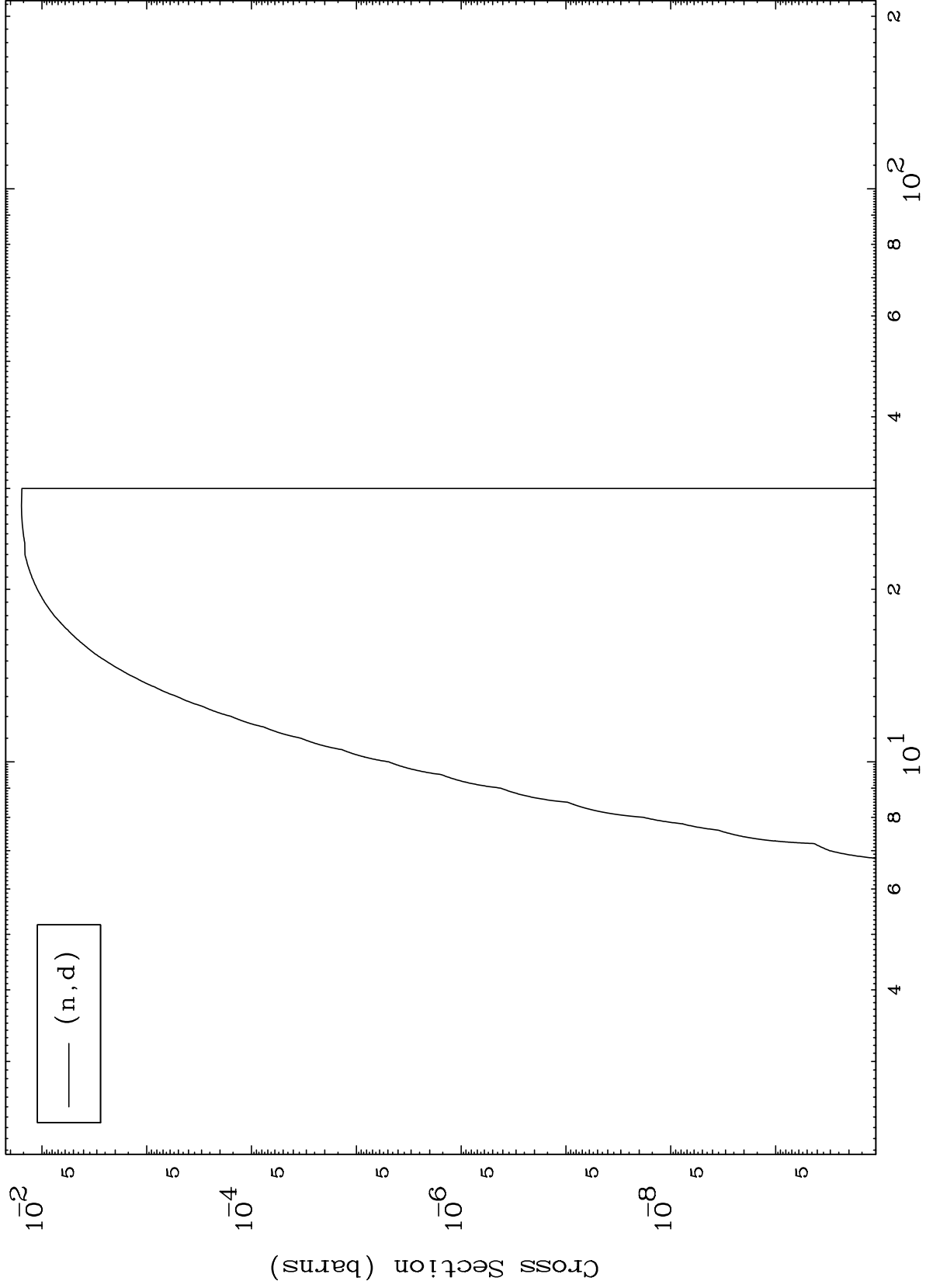
Incident Energy (MeV)

77-Ir-188

MAT 7716

(n,d) Levels
293 Kelvin Cross Sections

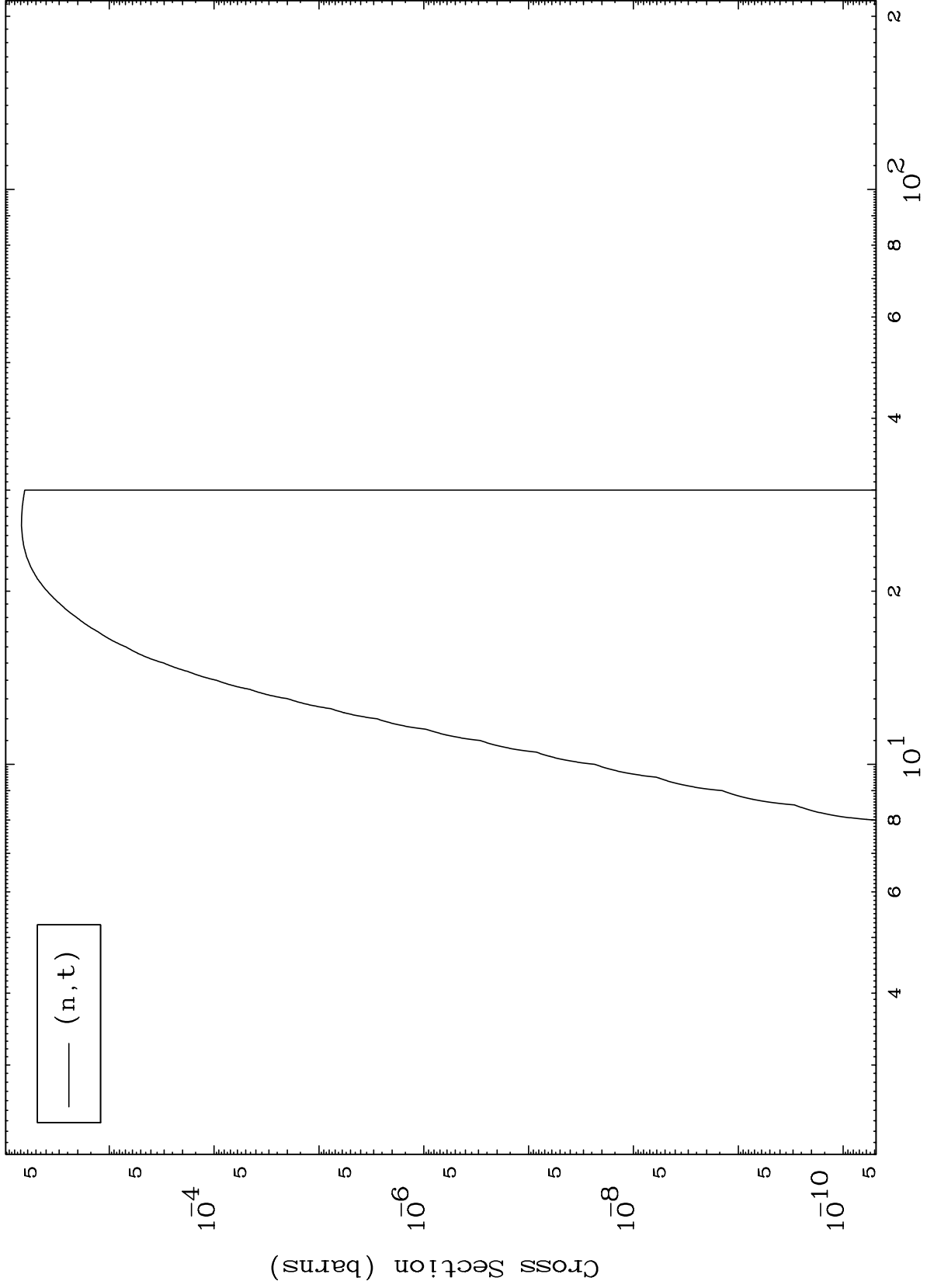
⁷⁷Ir-188



MAT 7716

(n,t) Levels
293 Kelvin Cross Sections

77-Ir-188



12

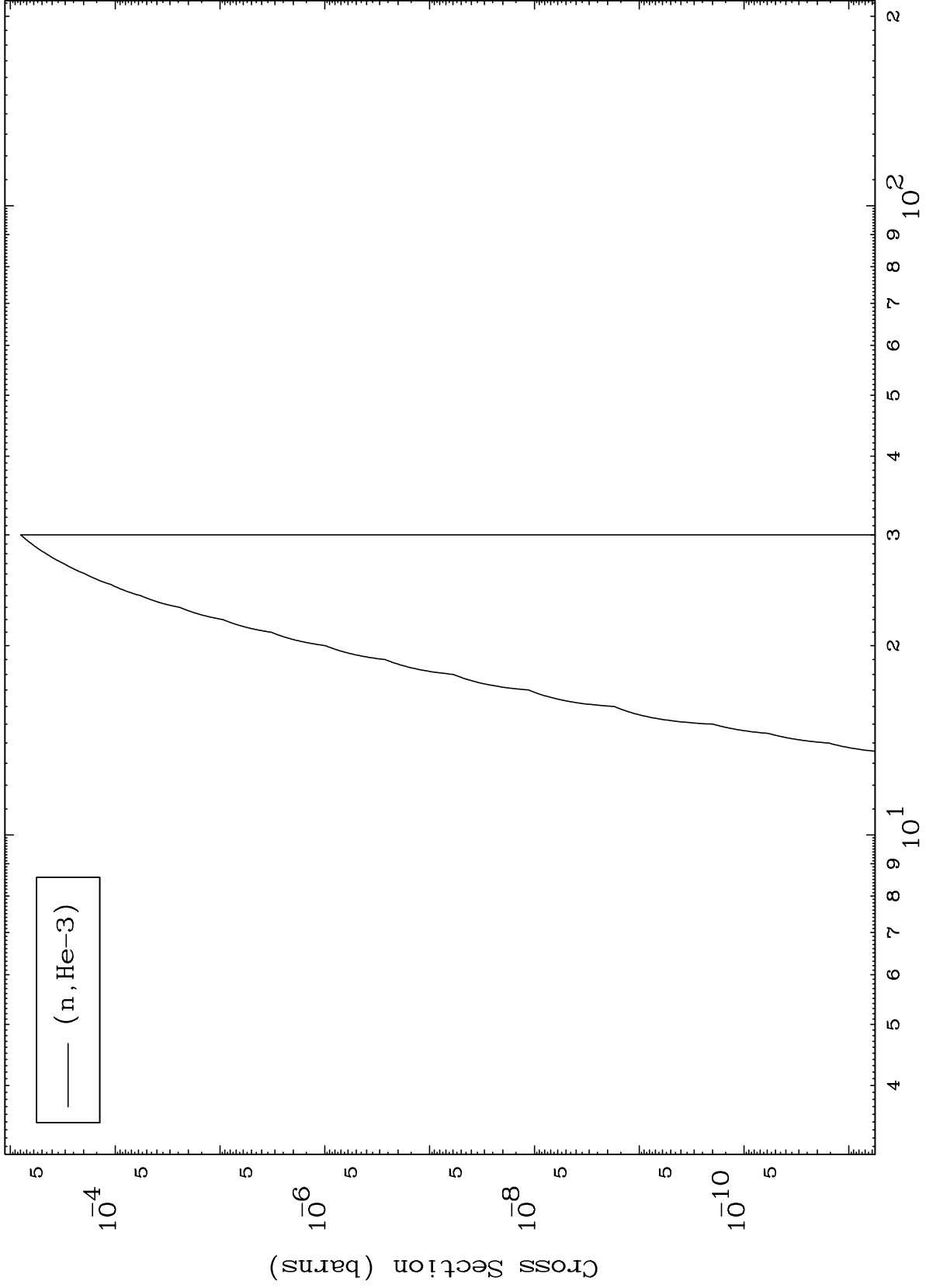
Incident Energy (MeV)

77-Ir-188

MAT 7716

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-188



13

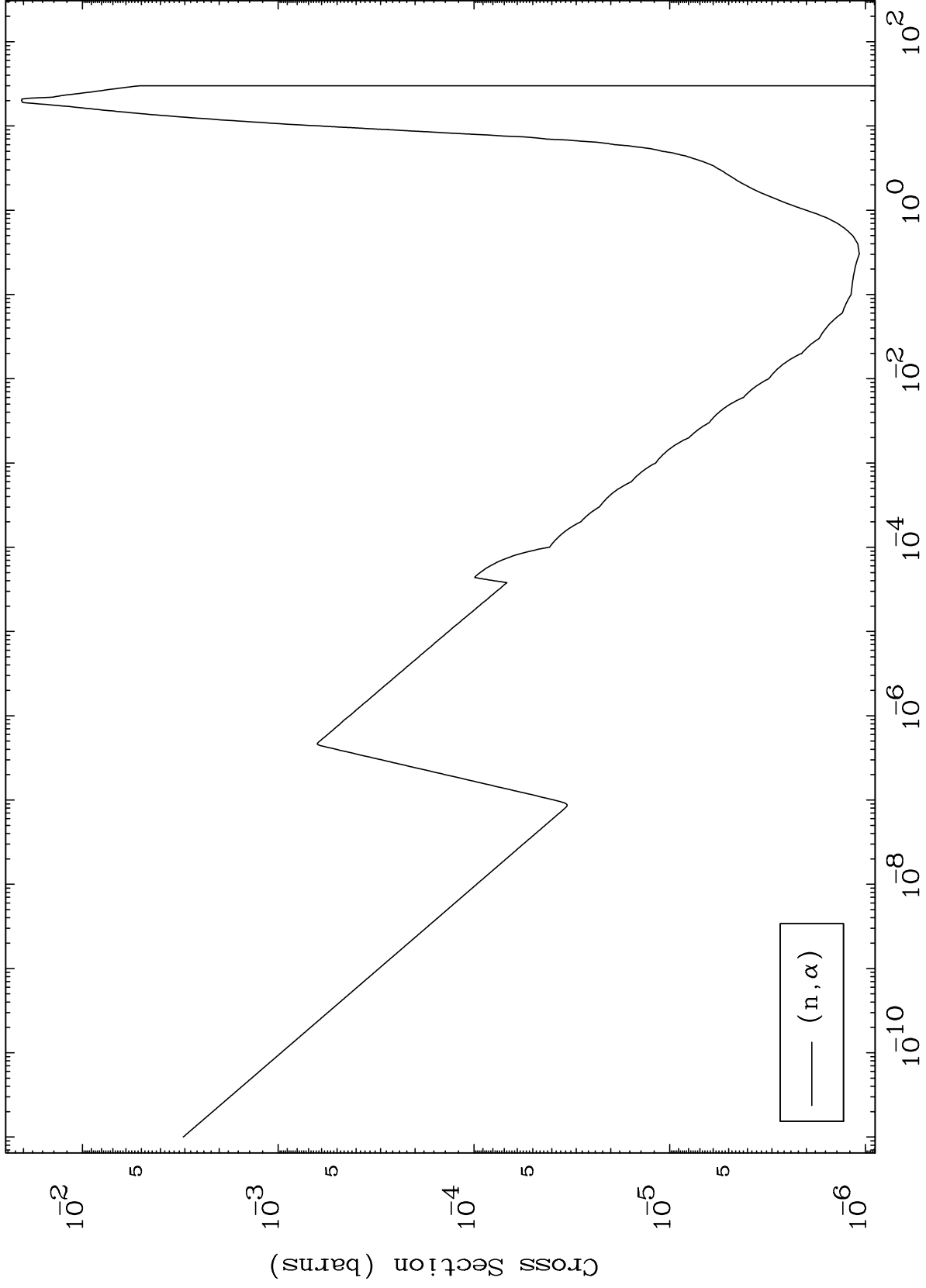
Incident Energy (MeV)

77-Ir-188

MAT 7716

(n, α) Levels
293 Kelvin Cross Sections

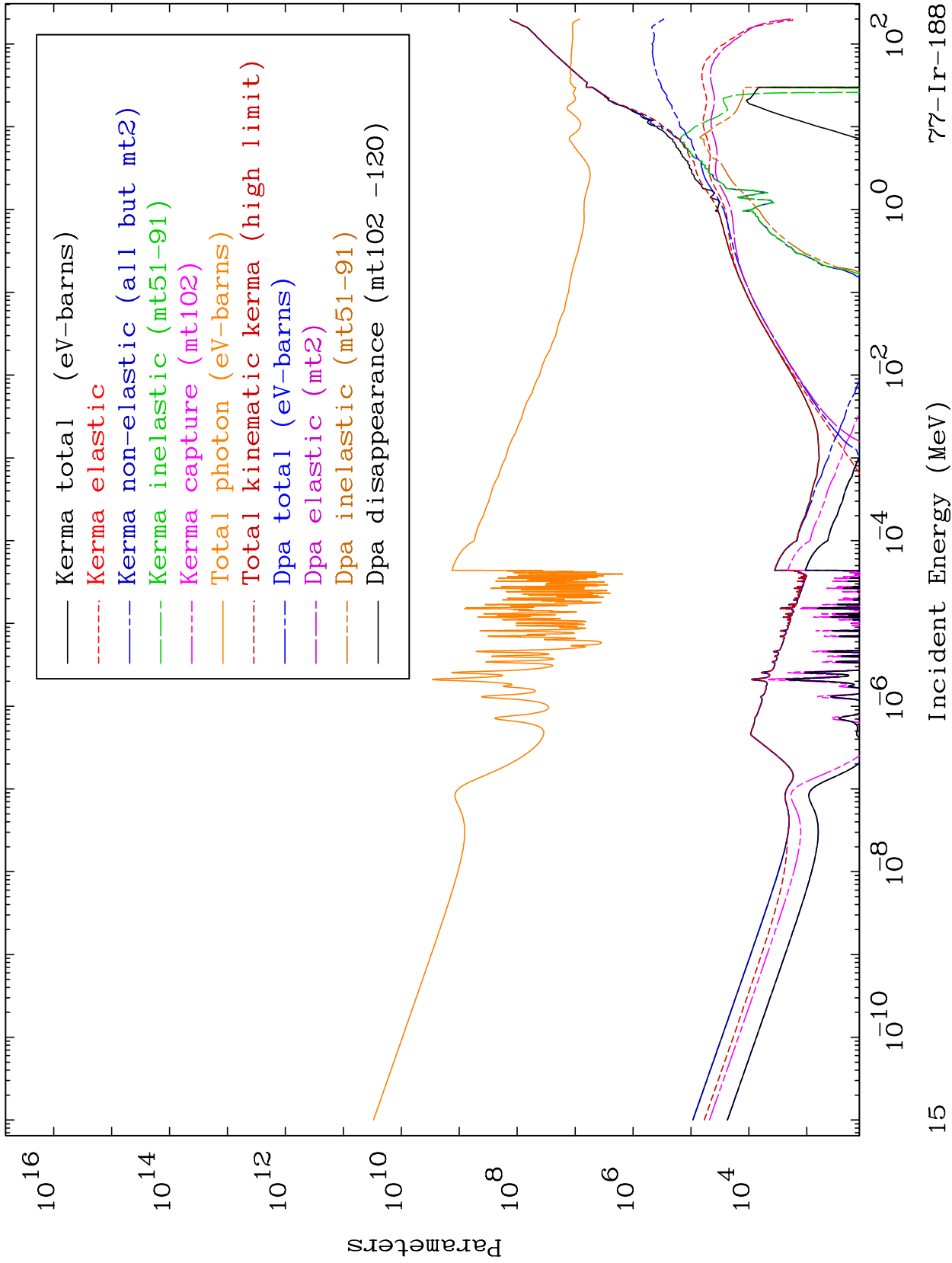
77-Ir-188



14

Incident Energy (MeV)

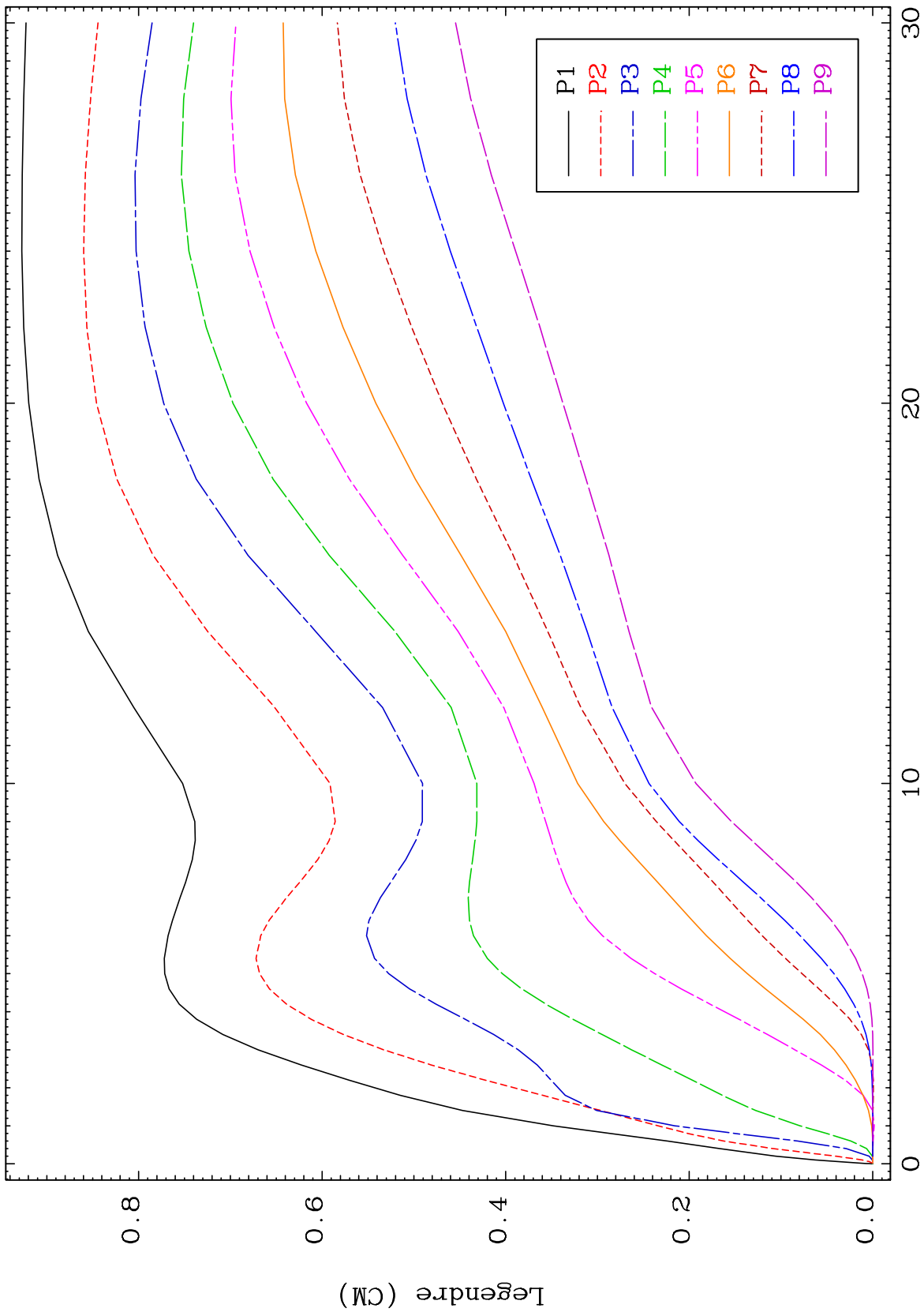
77-Ir-188



MAT 7716

77-Ir-188

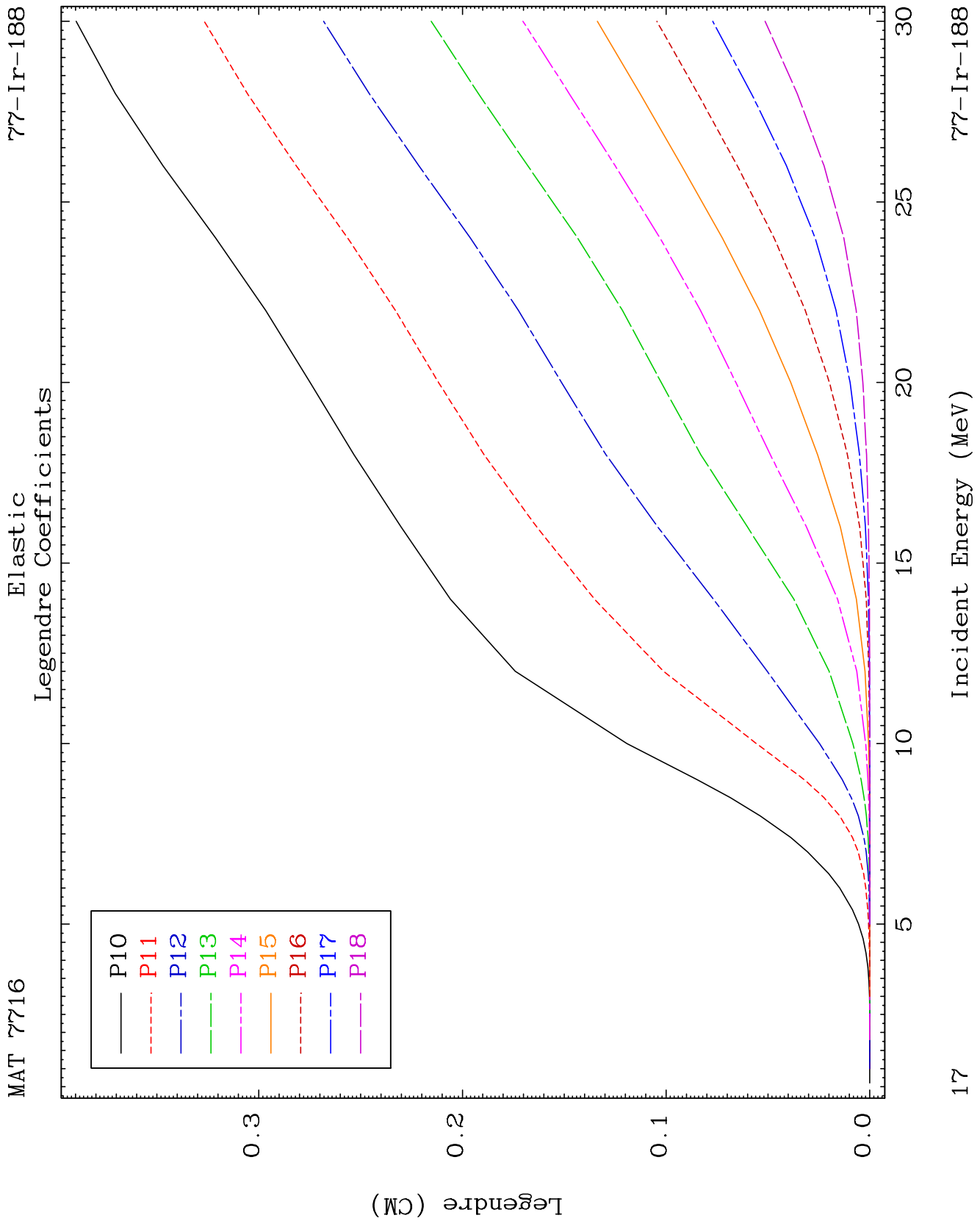
Elastic Legendre Coefficients



77-Ir-188

Incident Energy (MeV)

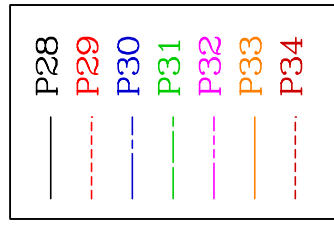
16



MAT 7716

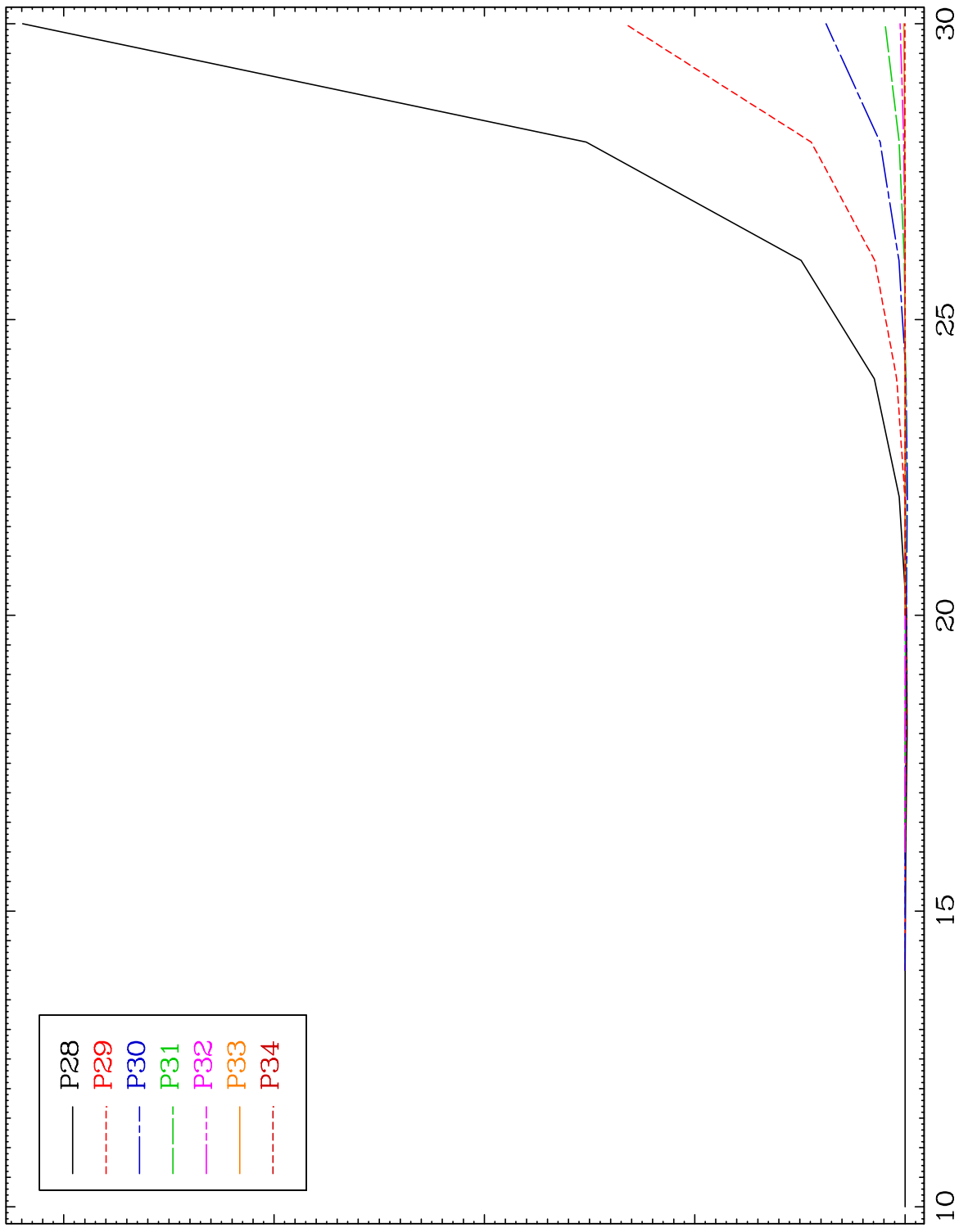
Elastic
Legendre Coefficients

77-Ir-188



$\times 10^{-68}$

Legendre (CM)



10

15

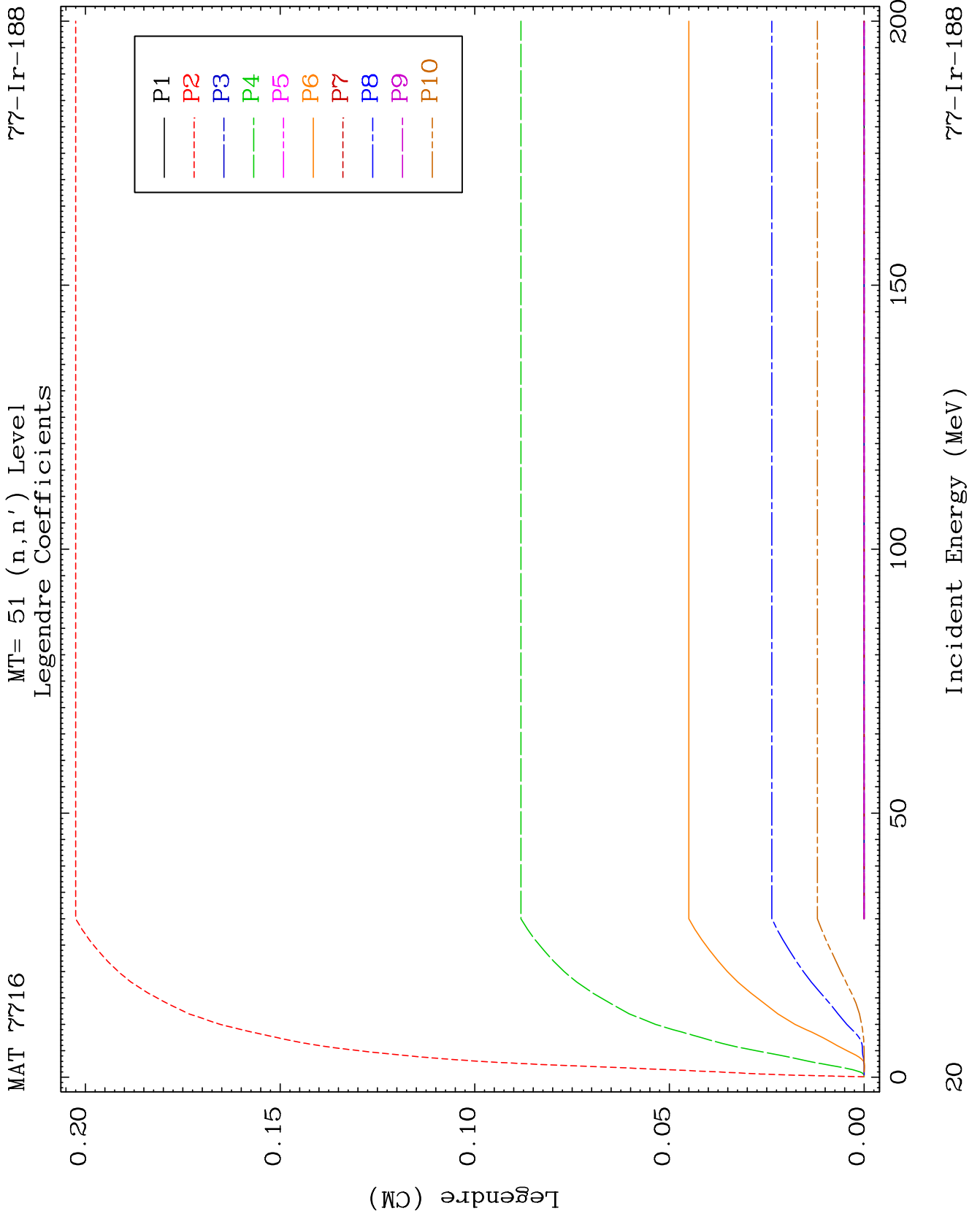
20

25

30

Incident Energy (MeV)

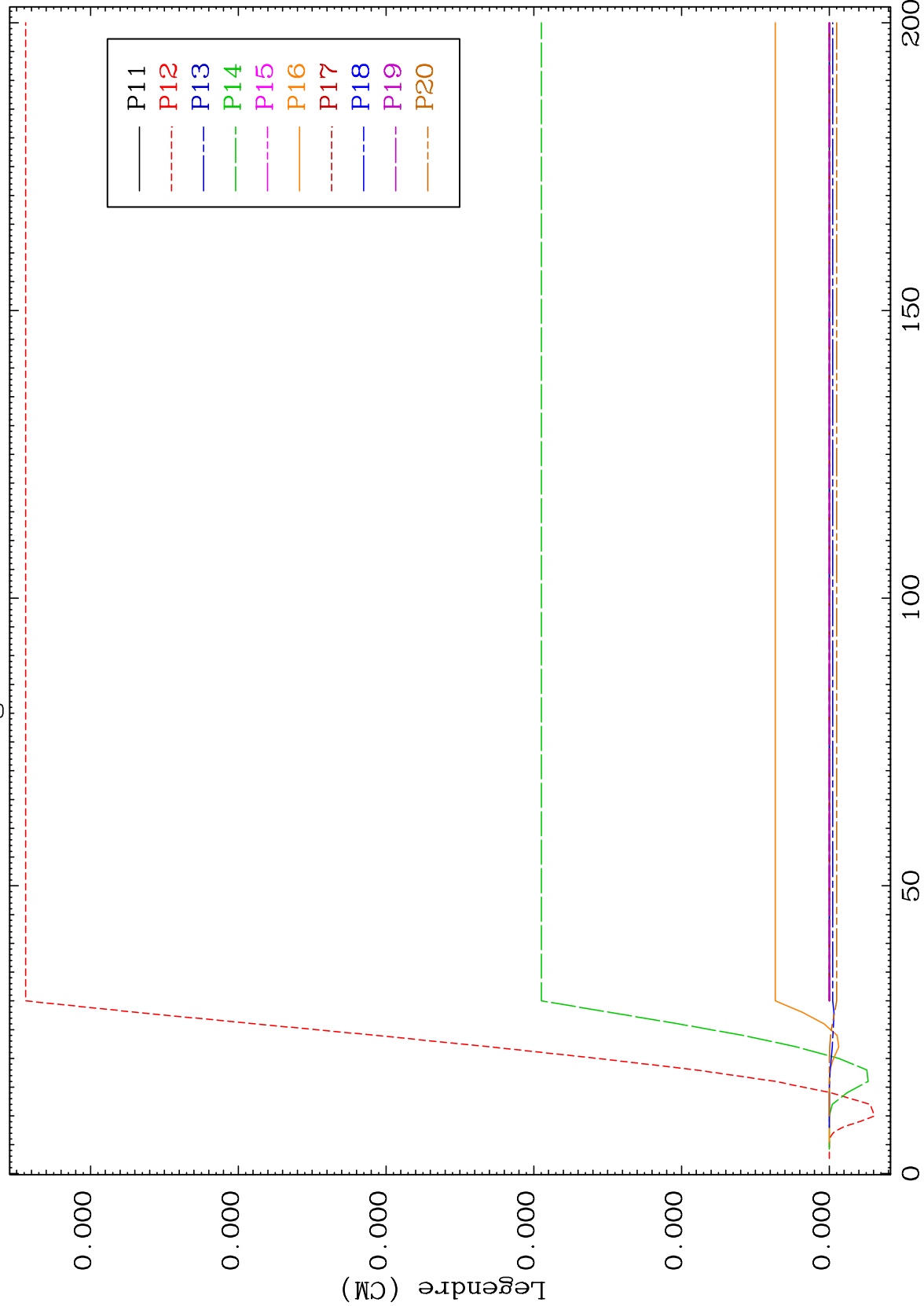
77-Ir-188



MAT 7716

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

77-Ir-188



21

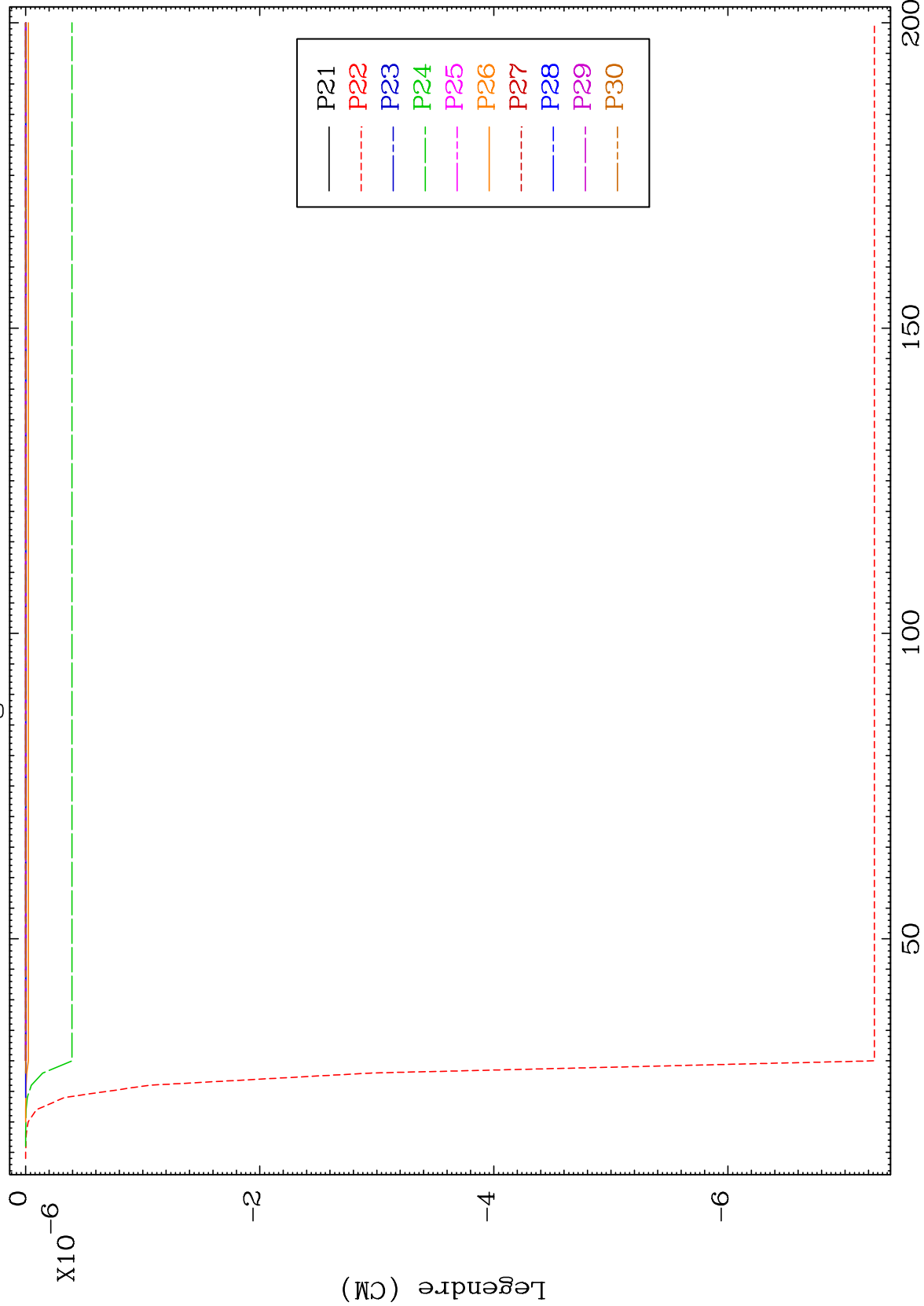
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

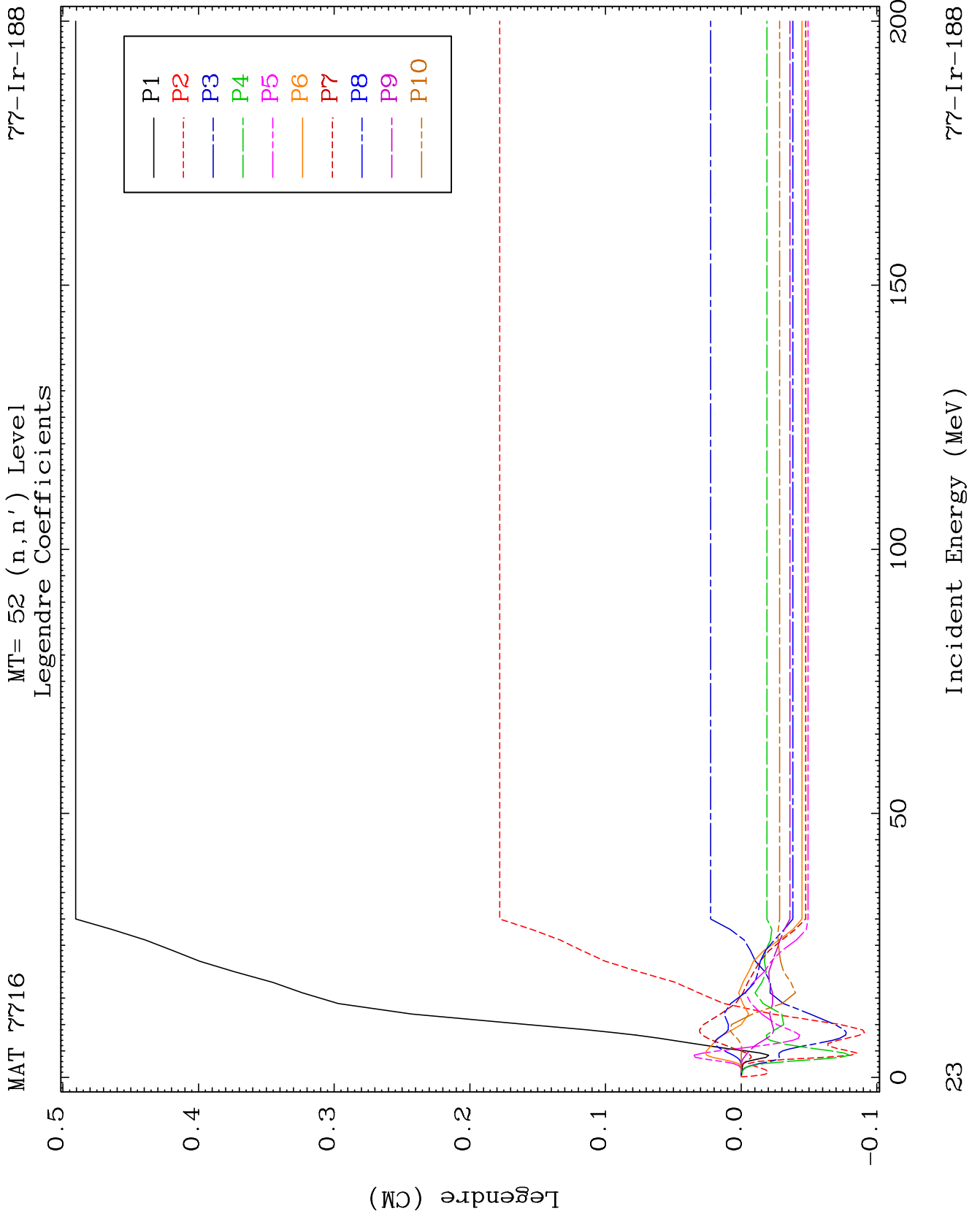
77-Ir-188



77-Ir-188

Incident Energy (MeV)

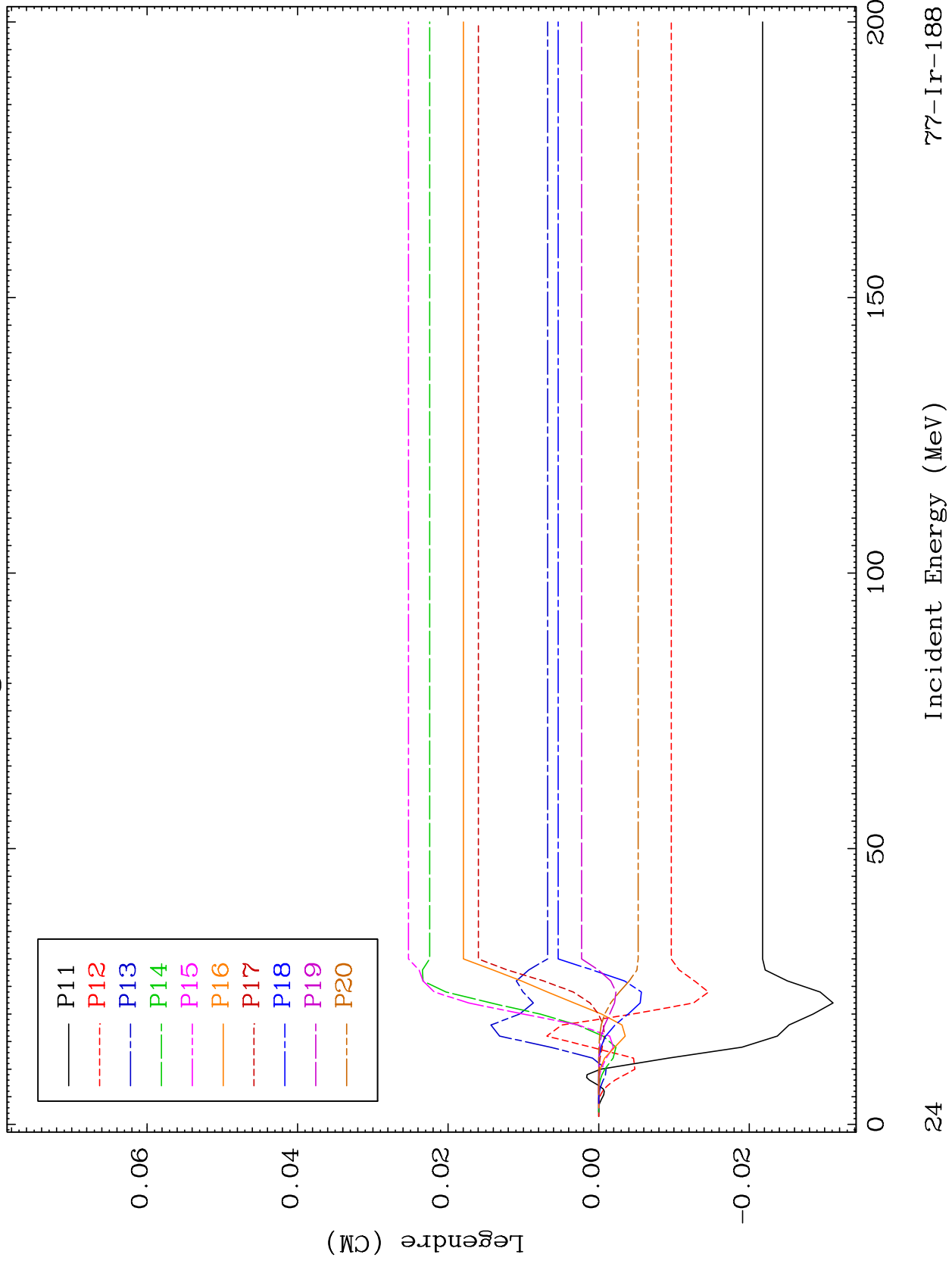
22



MAT 7716

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

77-Ir-188



24

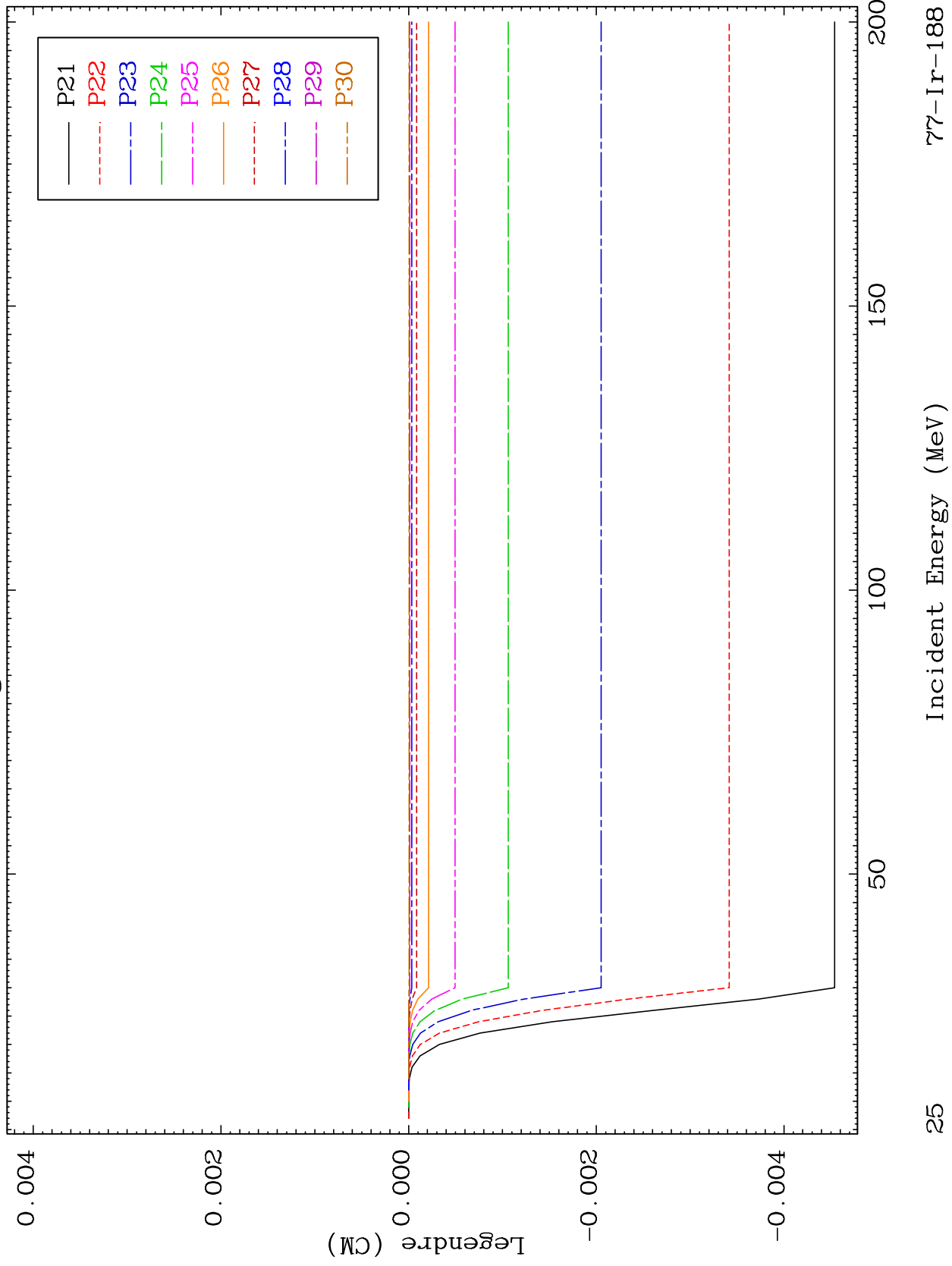
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



25

Incident Energy (MeV)

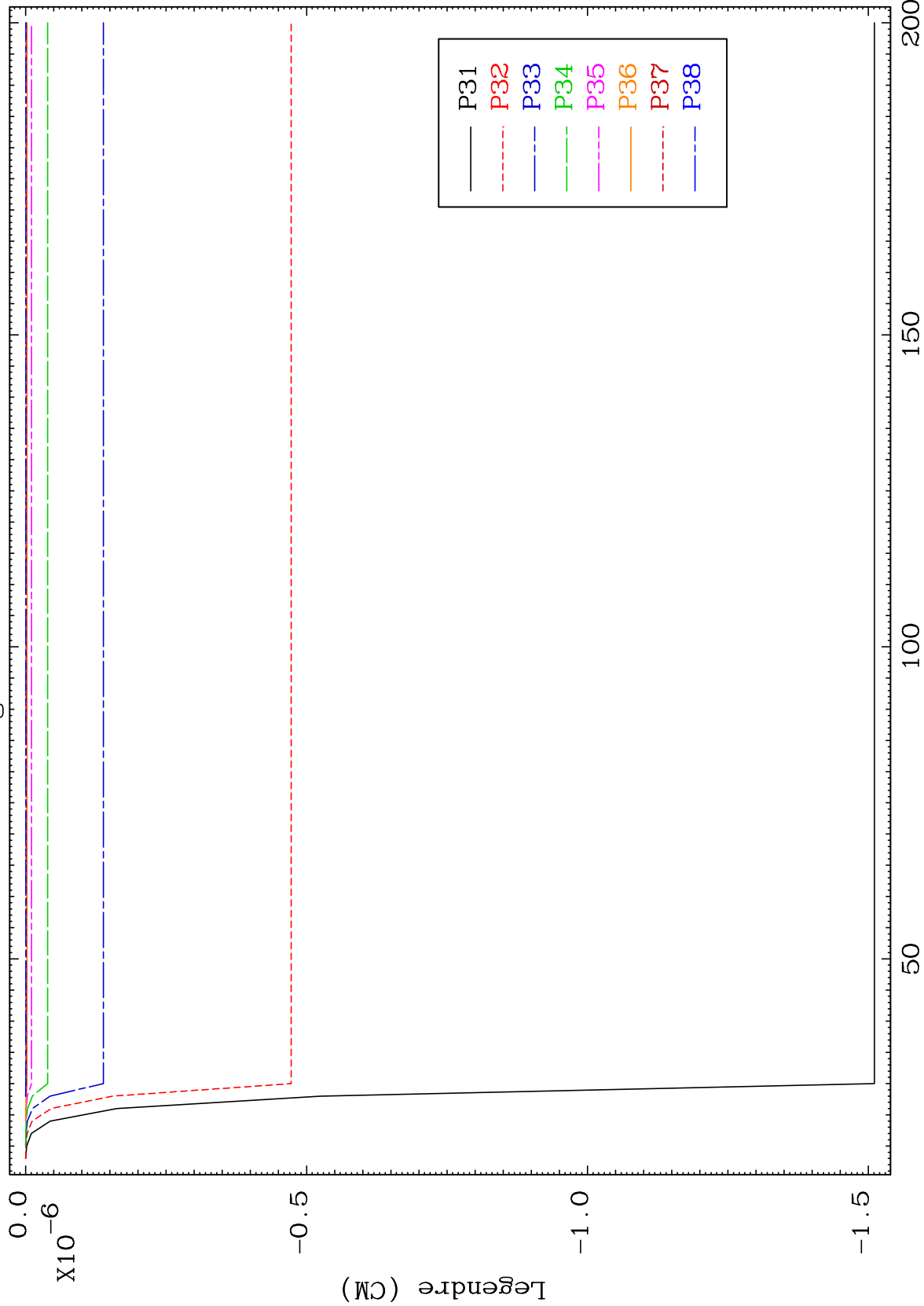
77-Ir-188

MAT 7716

MT= 52 (n,n') Level

77-Ir-188

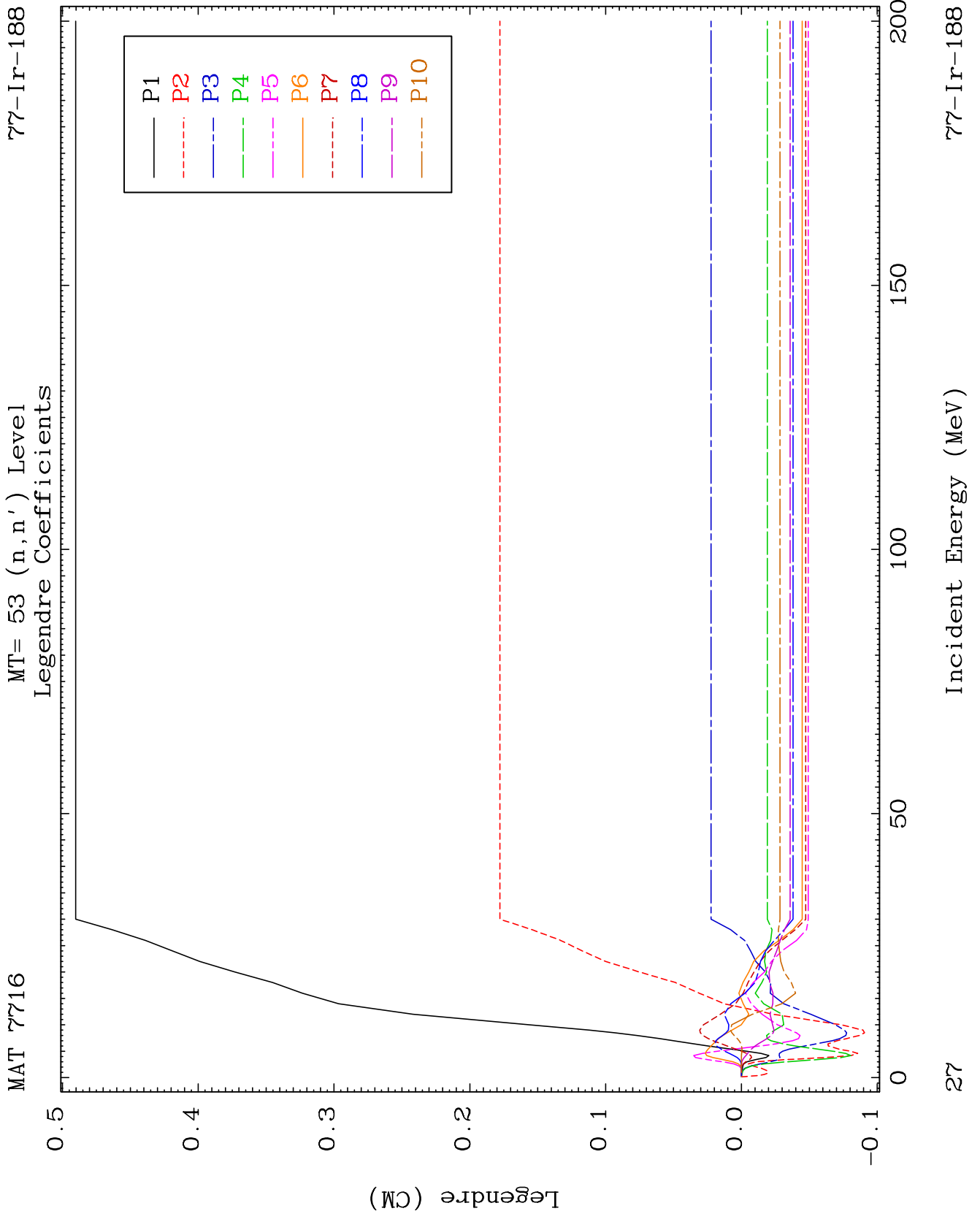
Legendre Coefficients



26

Incident Energy (MeV)

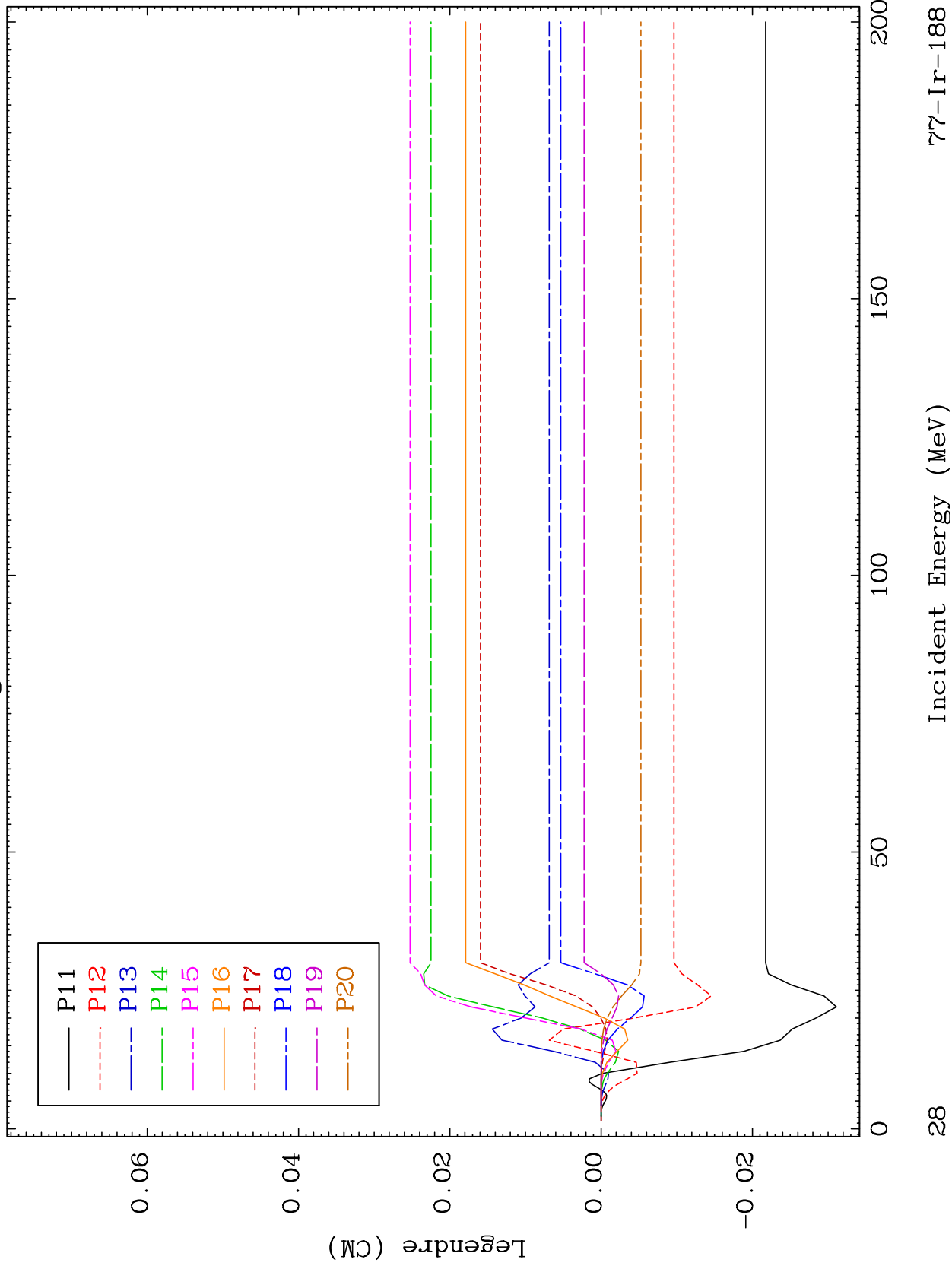
77-Ir-188



MAT 7716

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

77-Ir-188



28

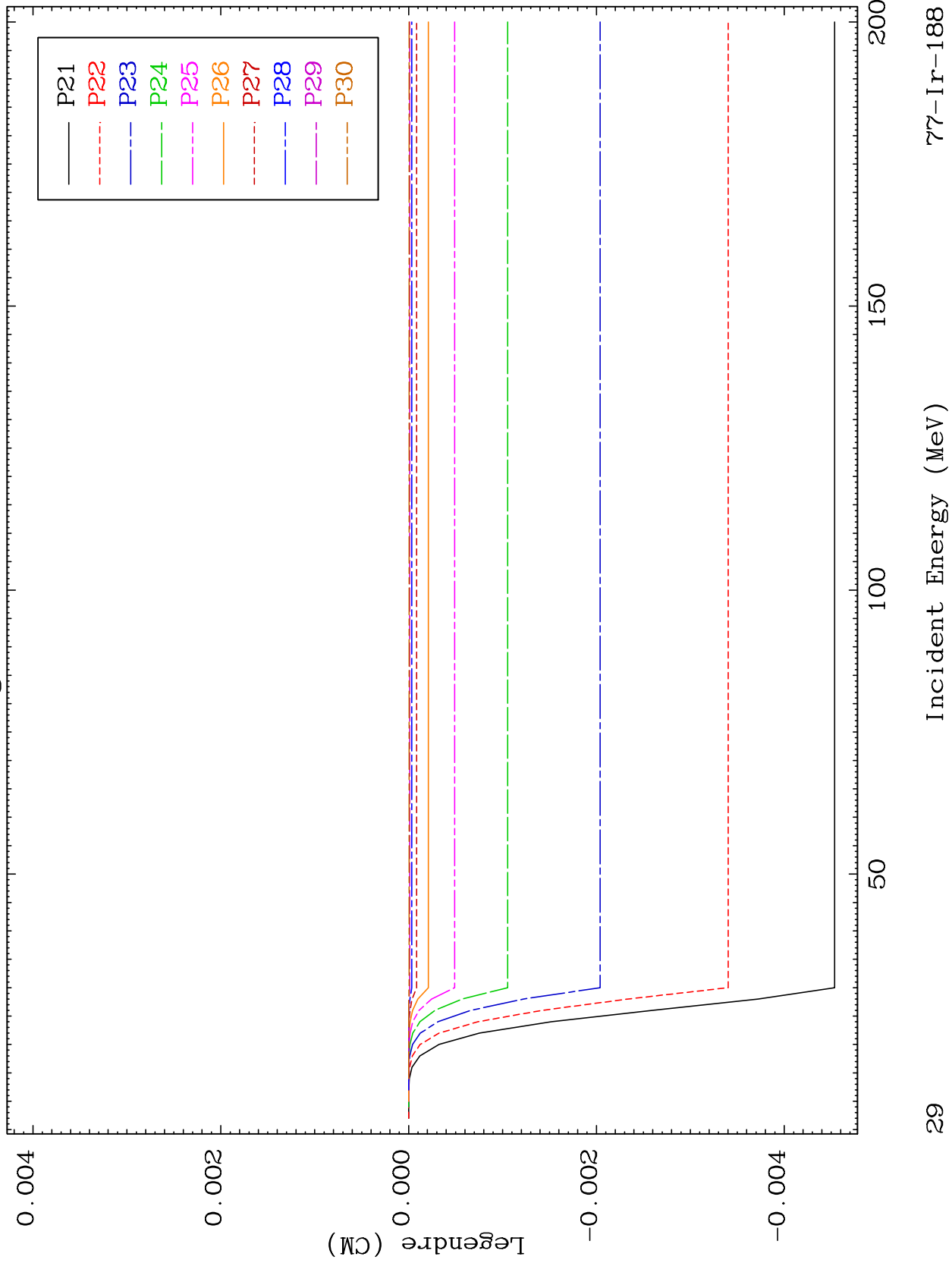
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

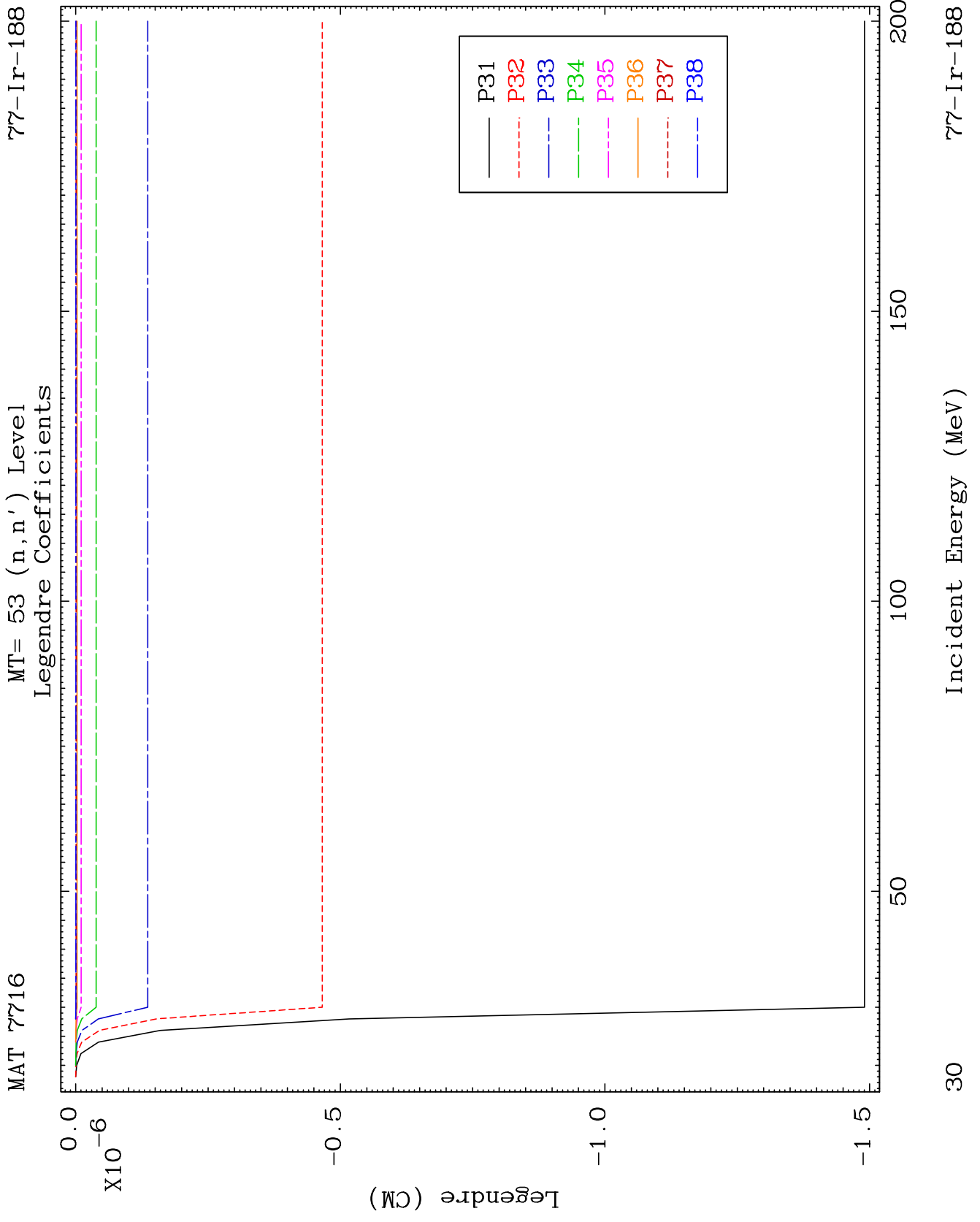
77-Ir-188

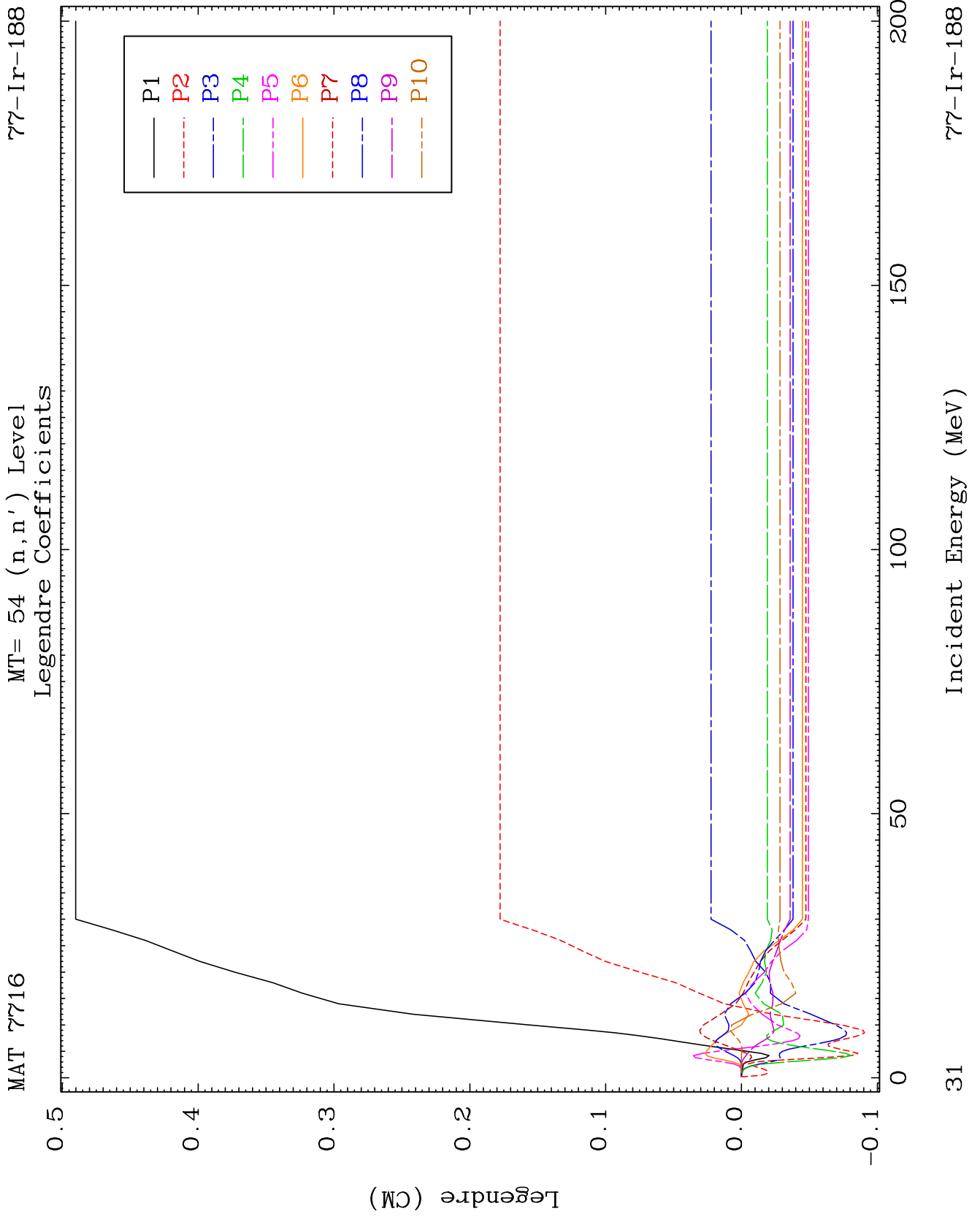


29

Incident Energy (MeV)

77-Ir-188

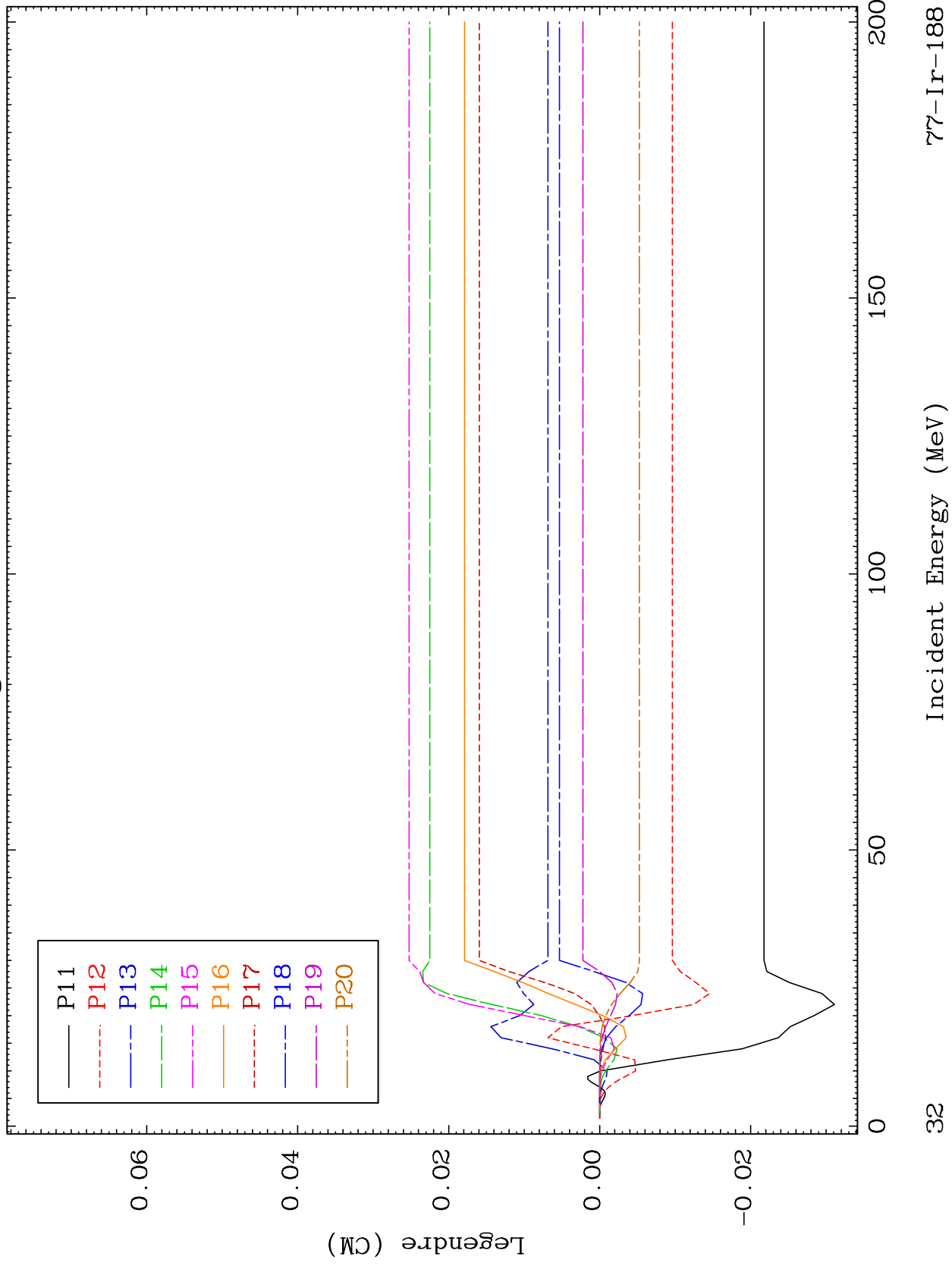




MAT 7716

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

77-Ir-188



77-Ir-188

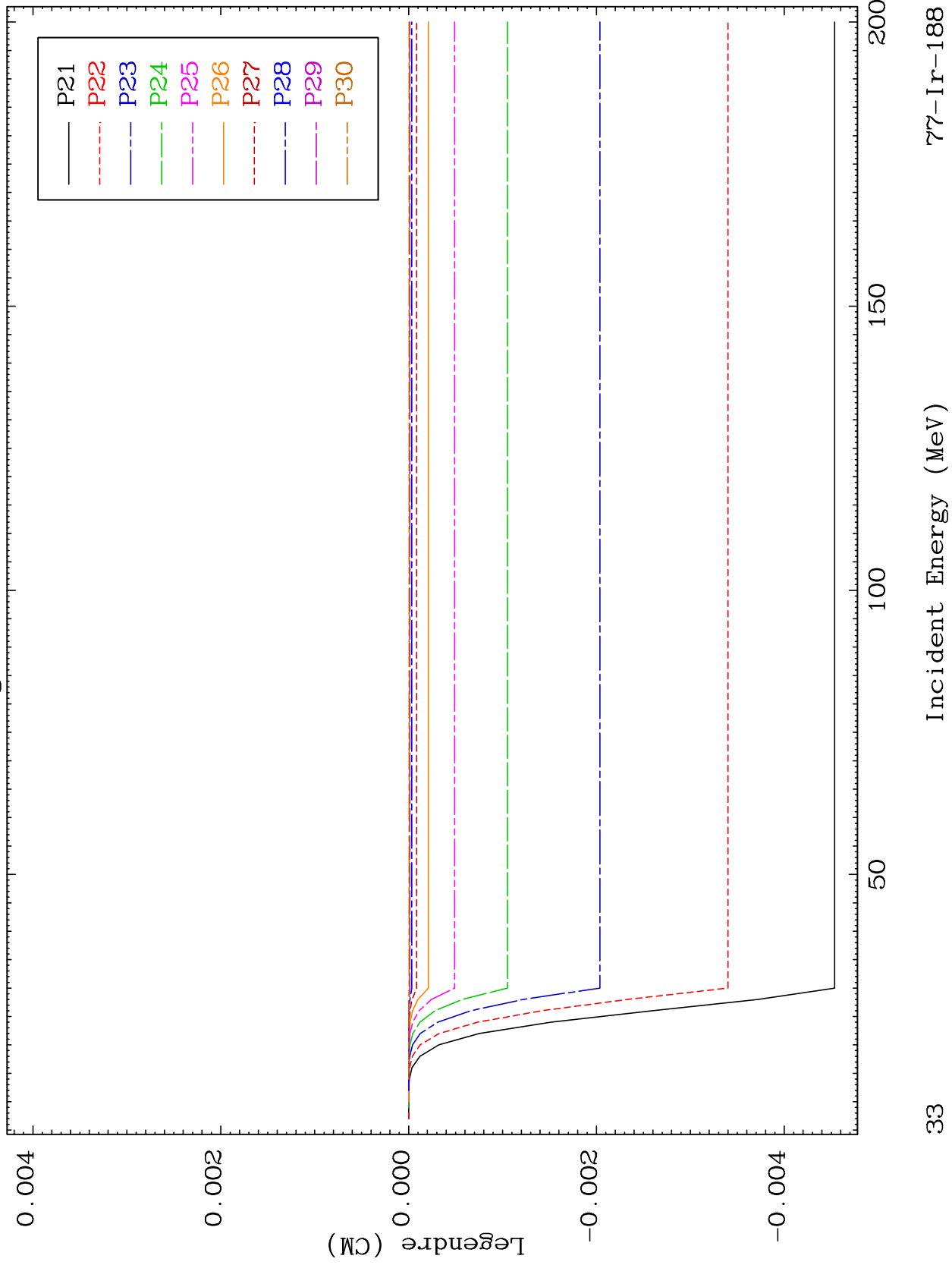
Incident Energy (MeV)

32

MAT 7716

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

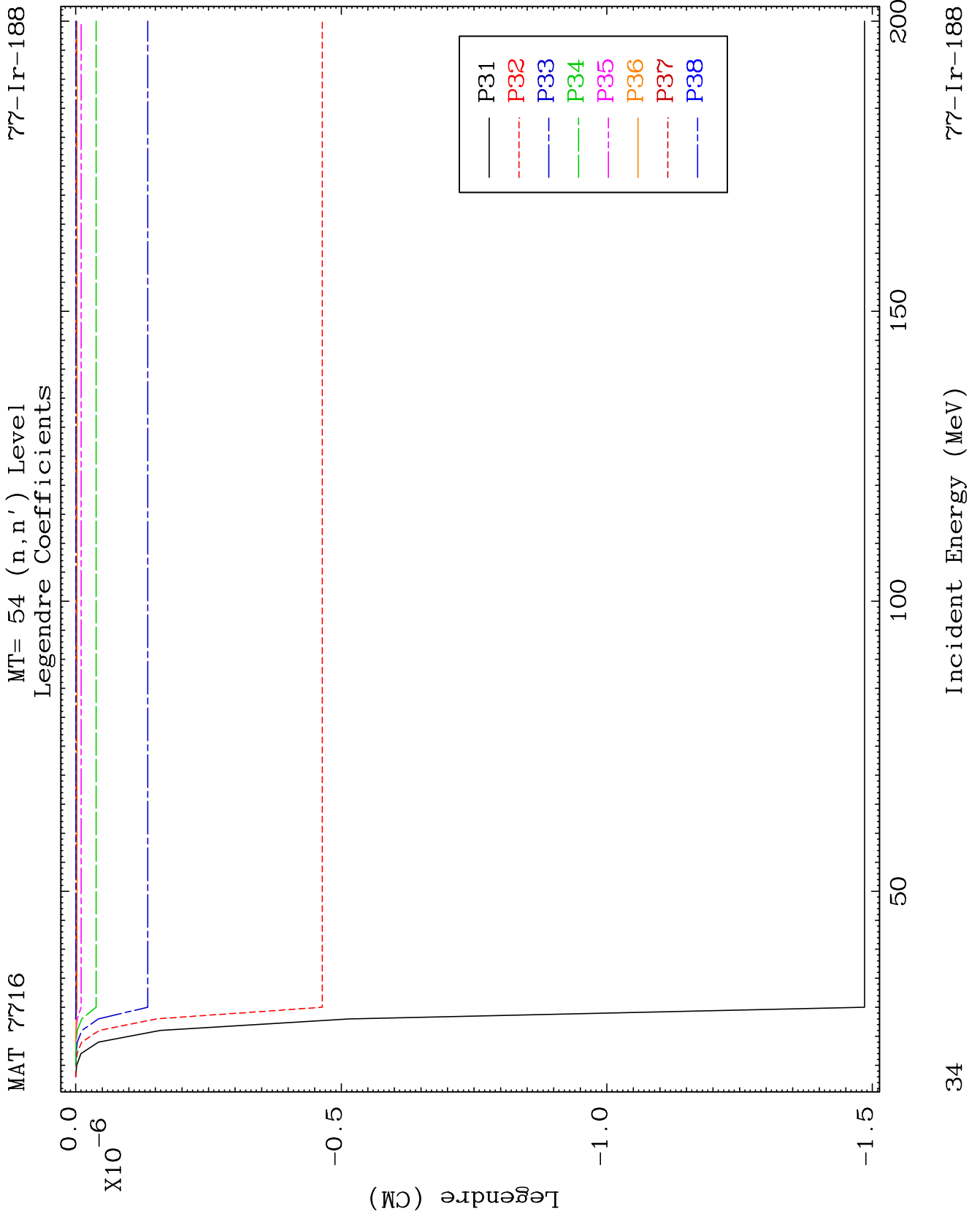
77-Ir-188



33

Incident Energy (MeV)

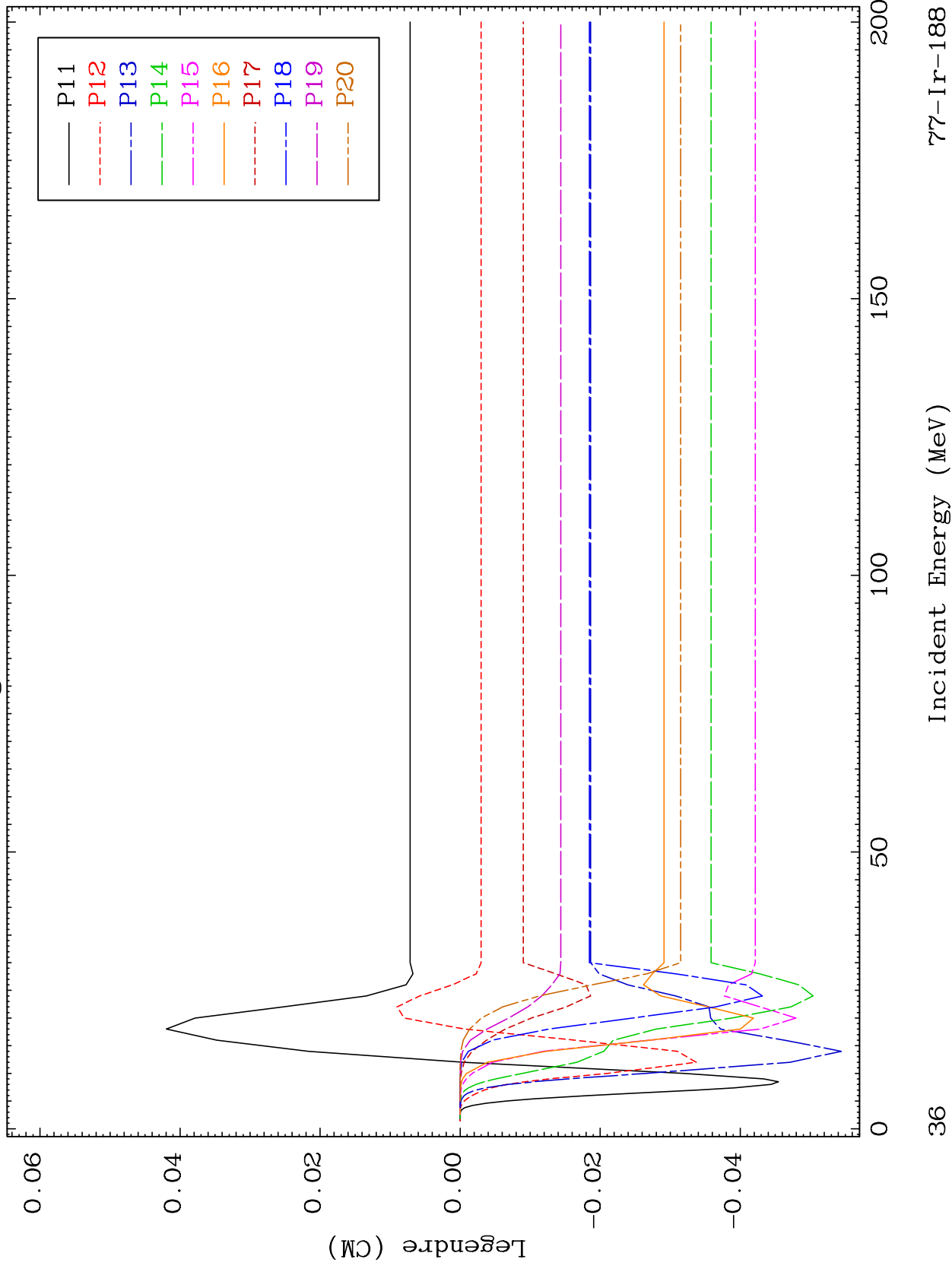
77-Ir-188



MAT 7716

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

77-Ir-188



36

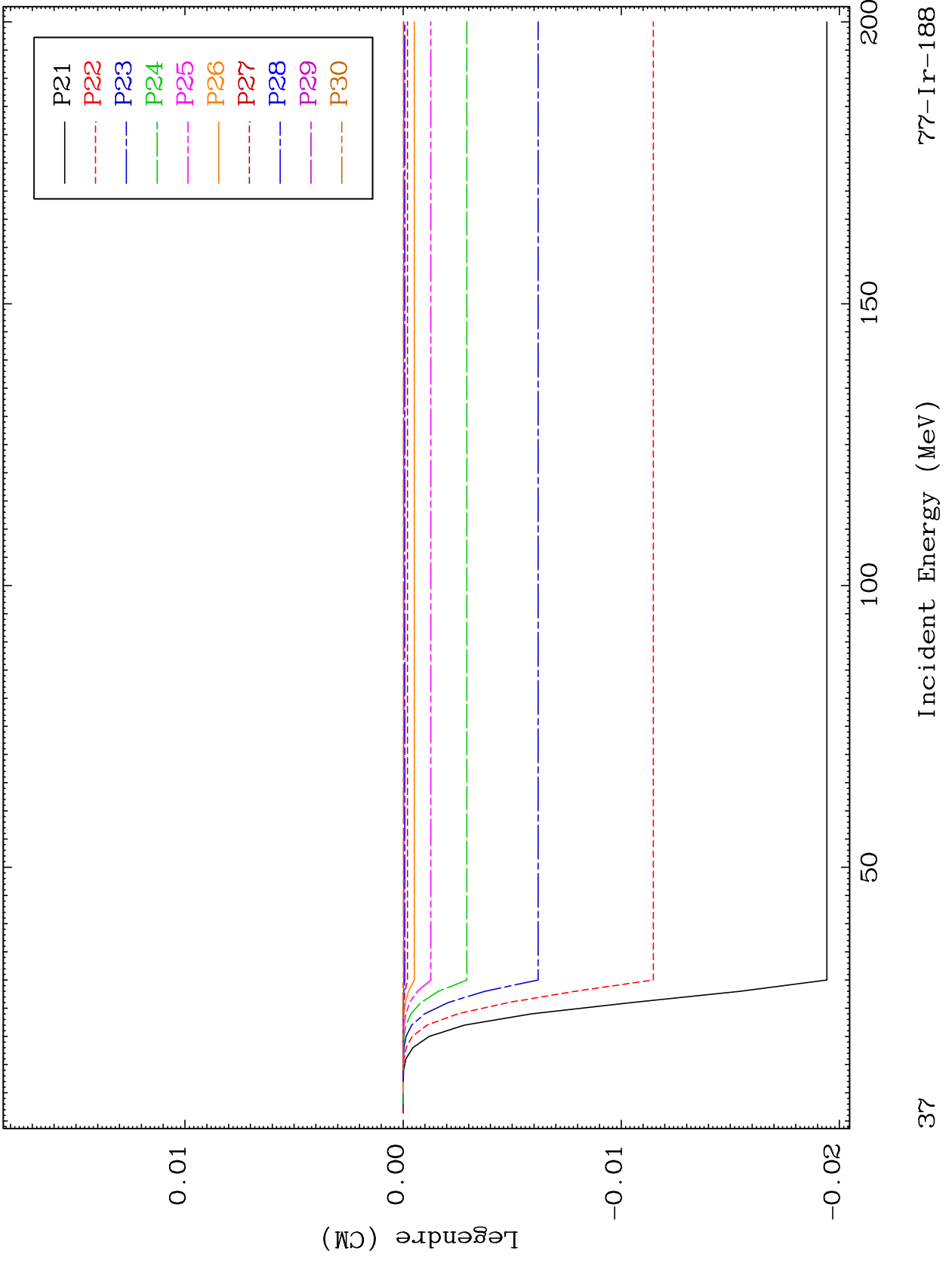
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



37

Incident Energy (MeV)

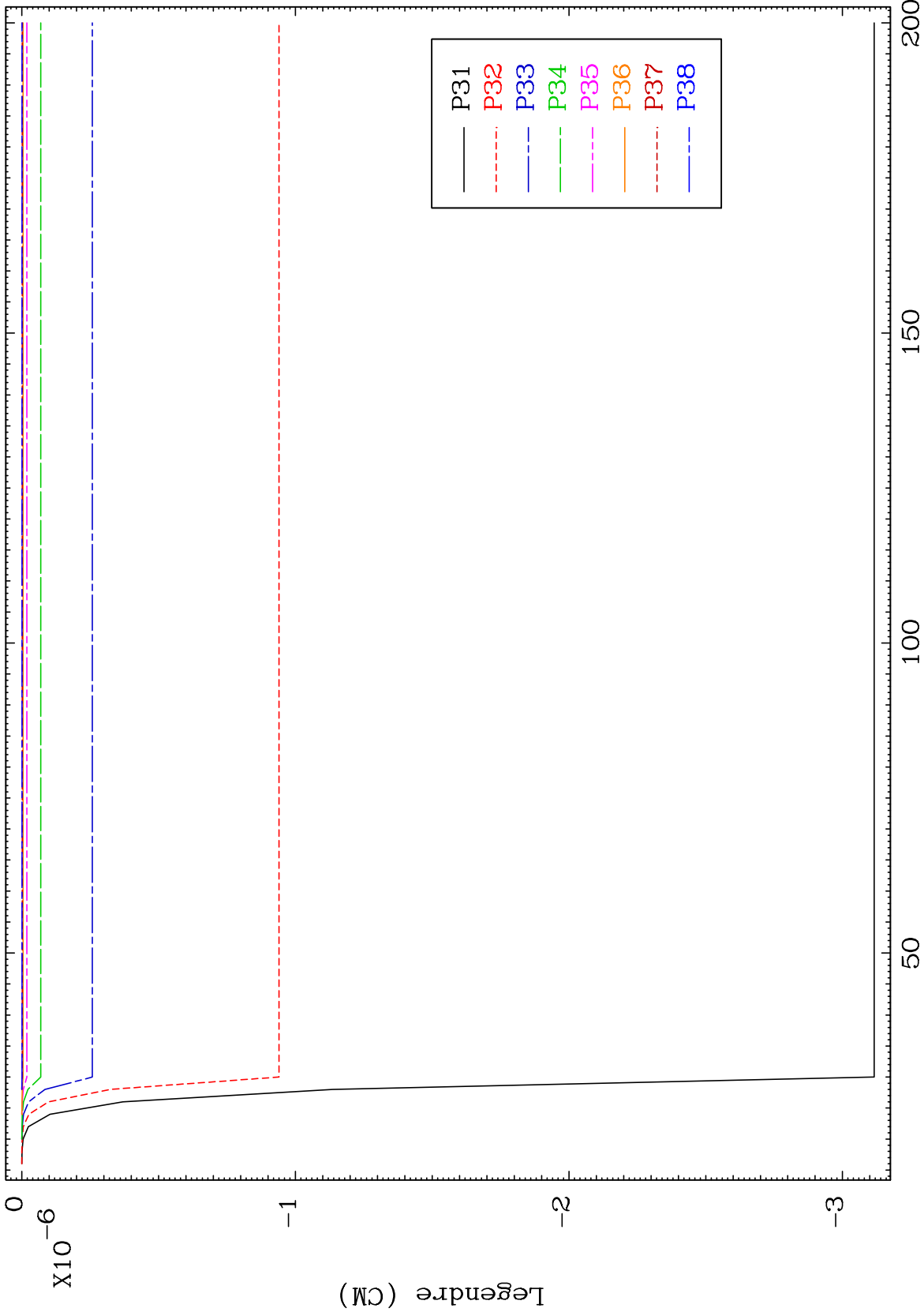
77-Ir-188

MAT 7716

MT= 55 (n,n') Level

77-Ir-188

Legendre Coefficients



38

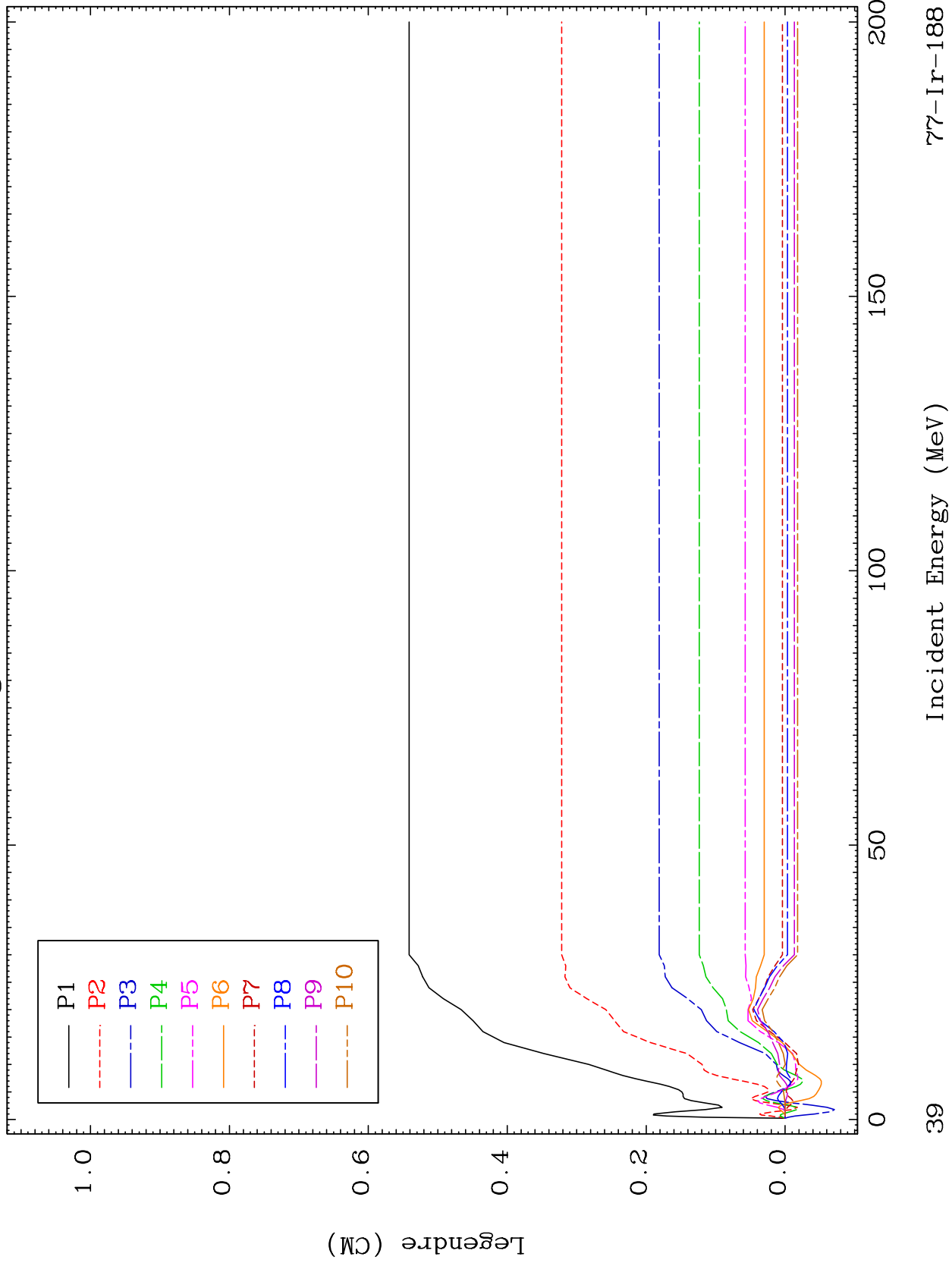
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



39

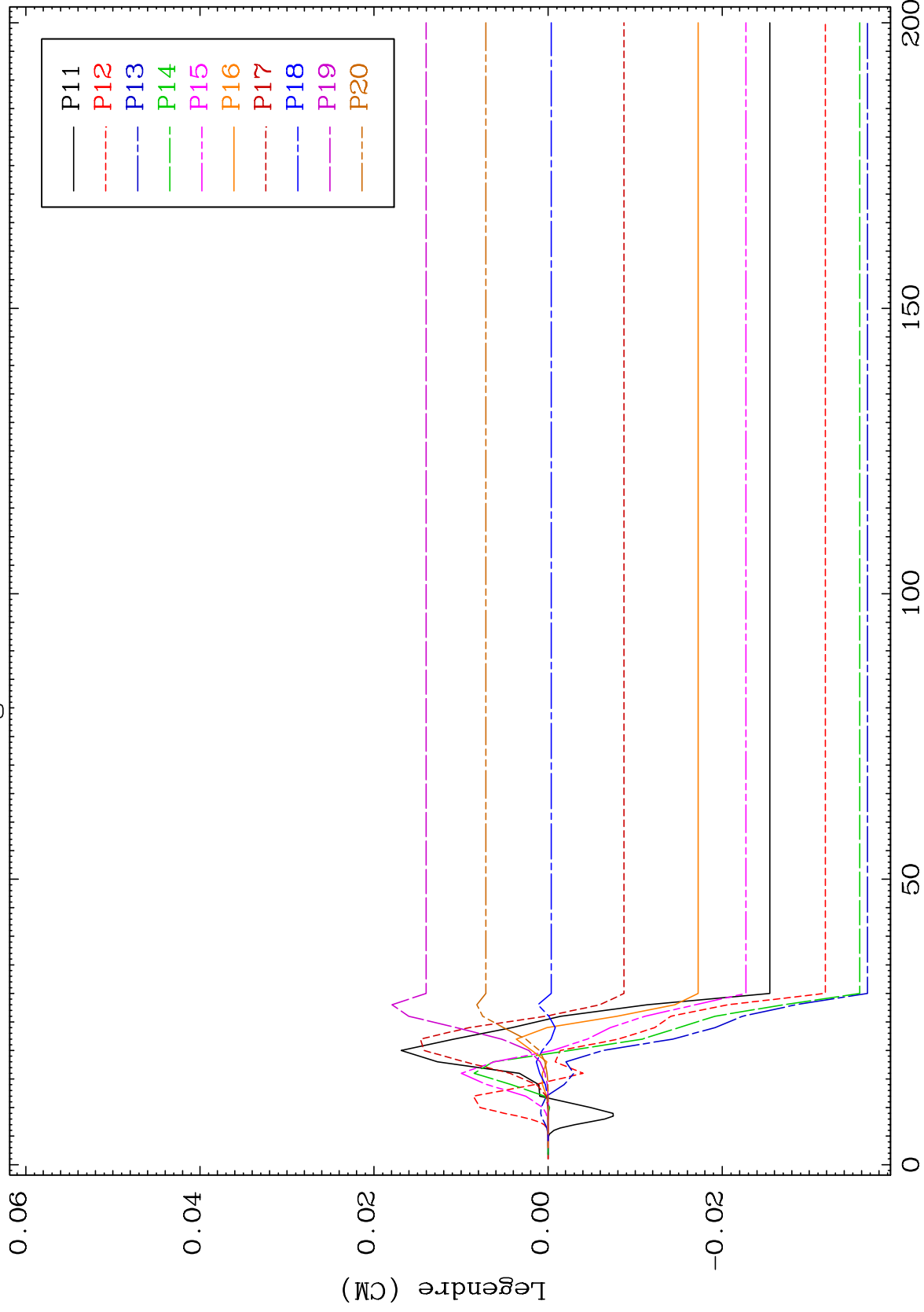
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

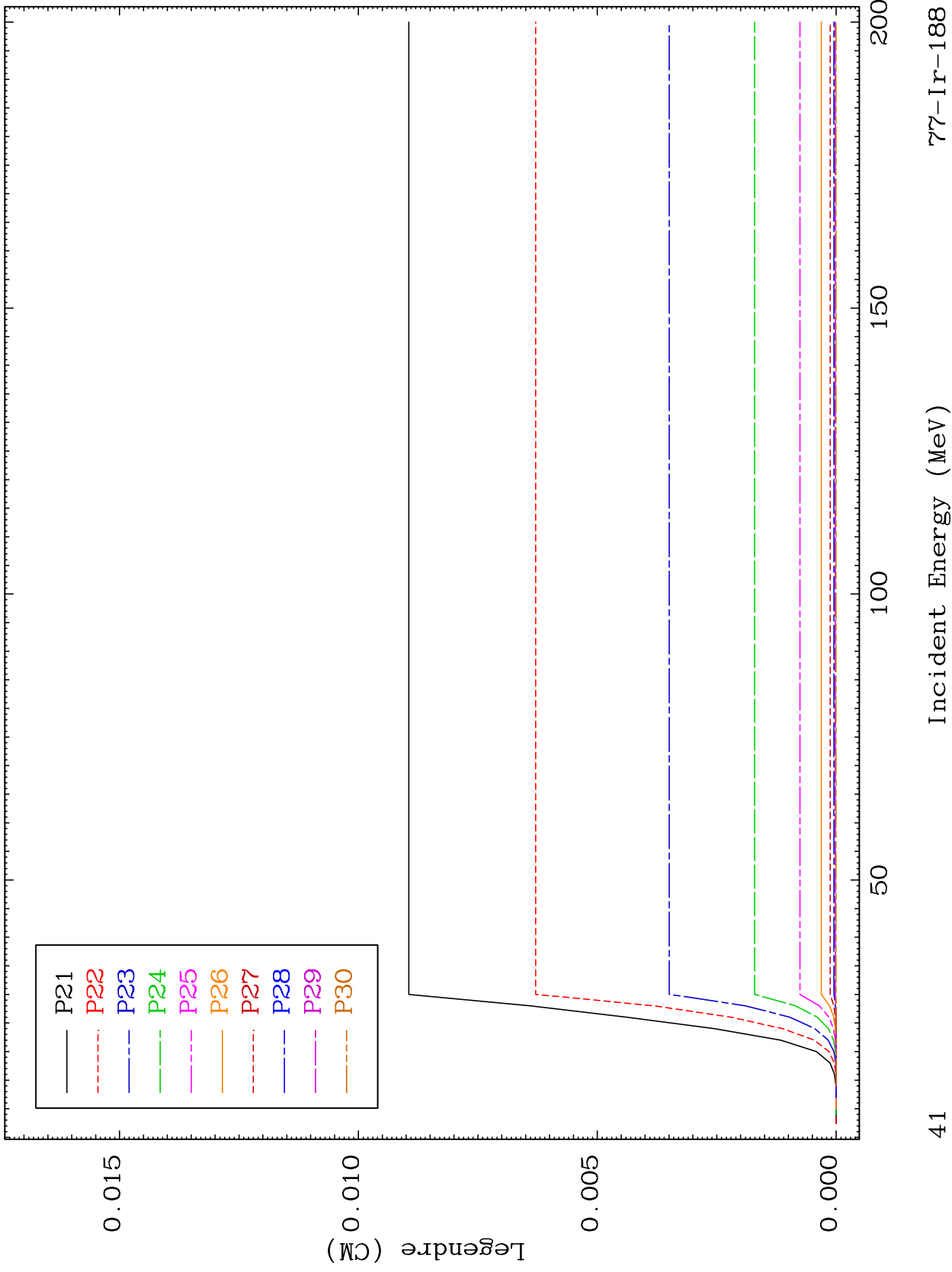
77-Ir-188



77-Ir-188

Incident Energy (MeV)

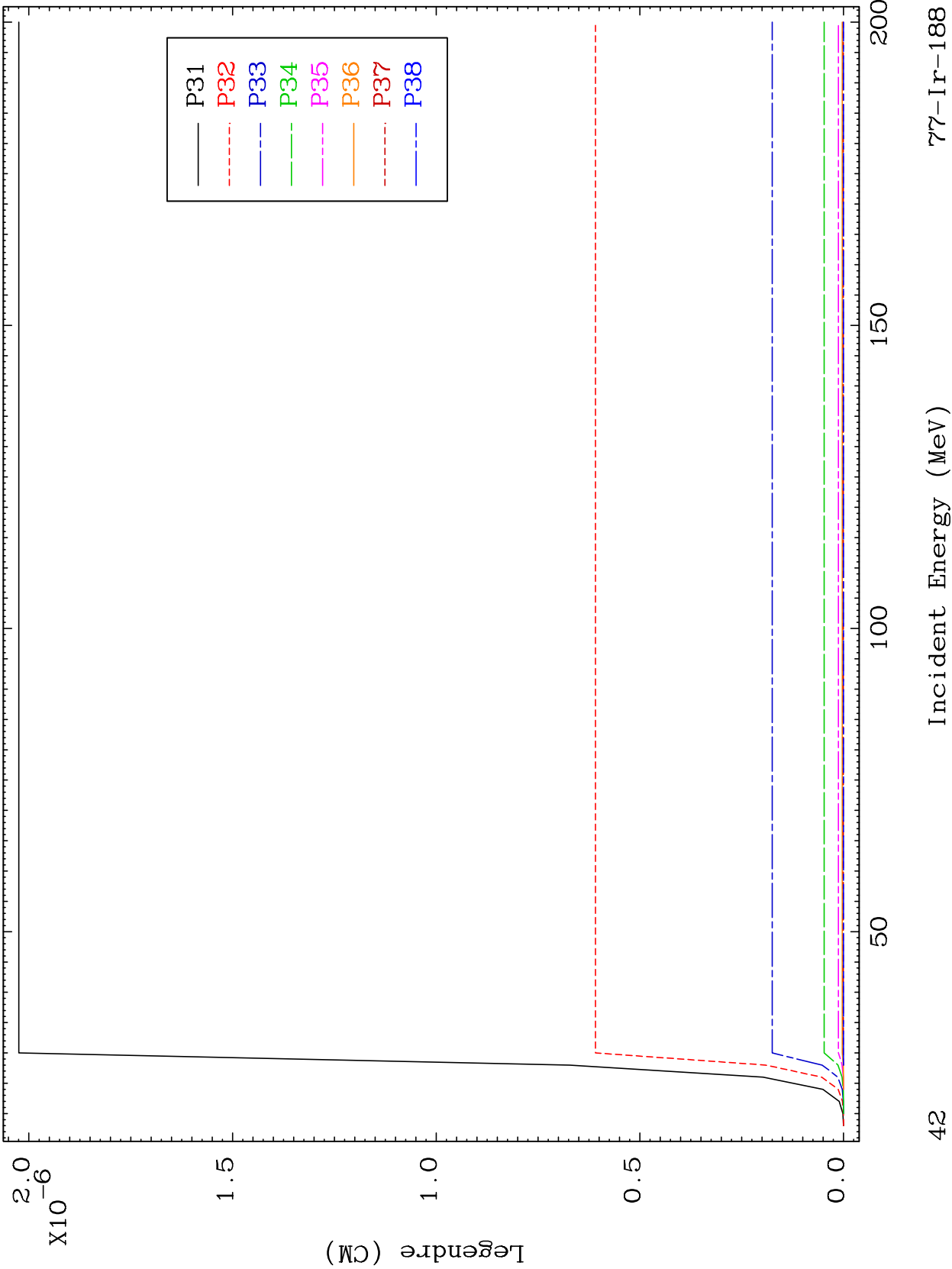
40



MAT 7716

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

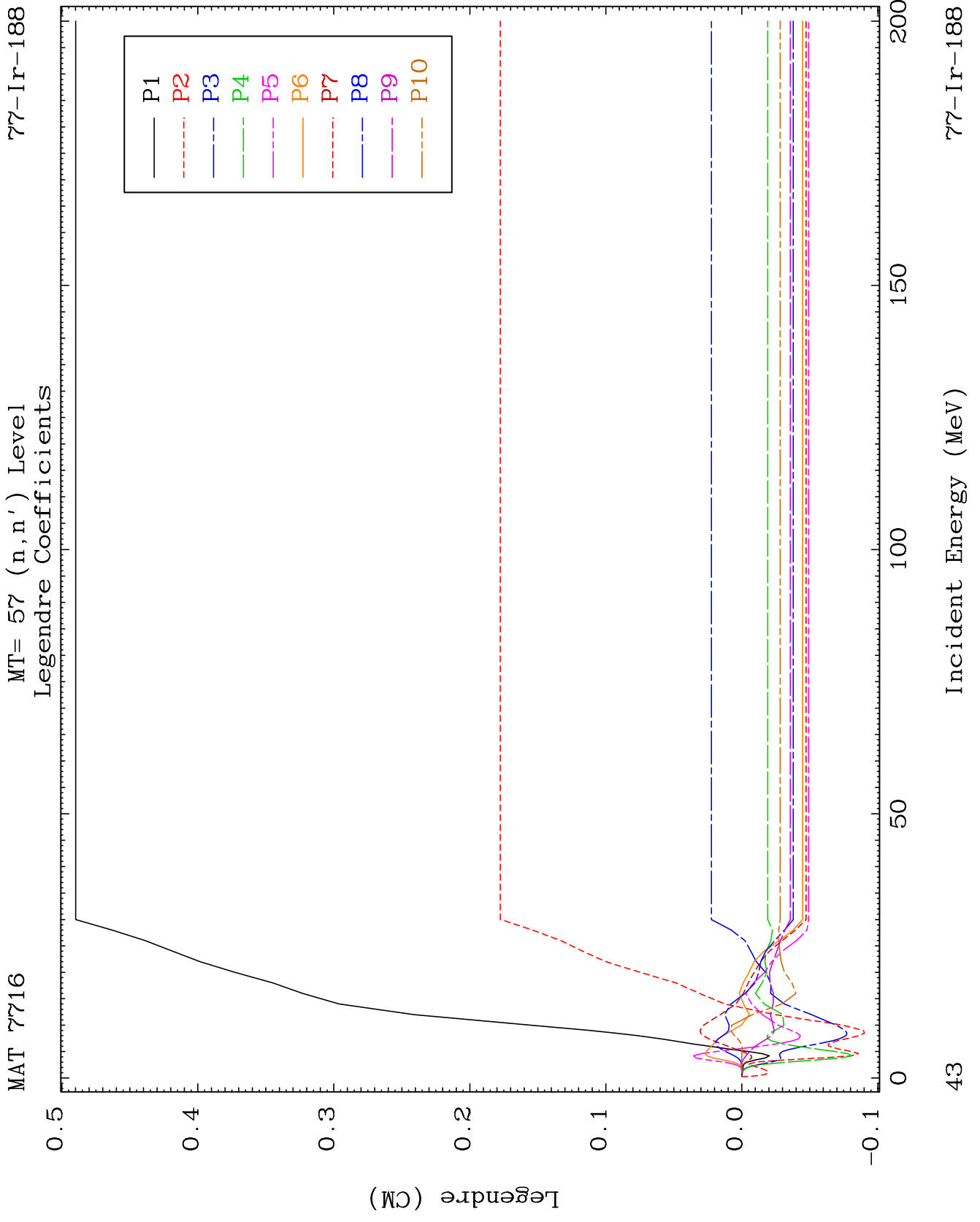
77-Ir-188



42

Incident Energy (MeV)

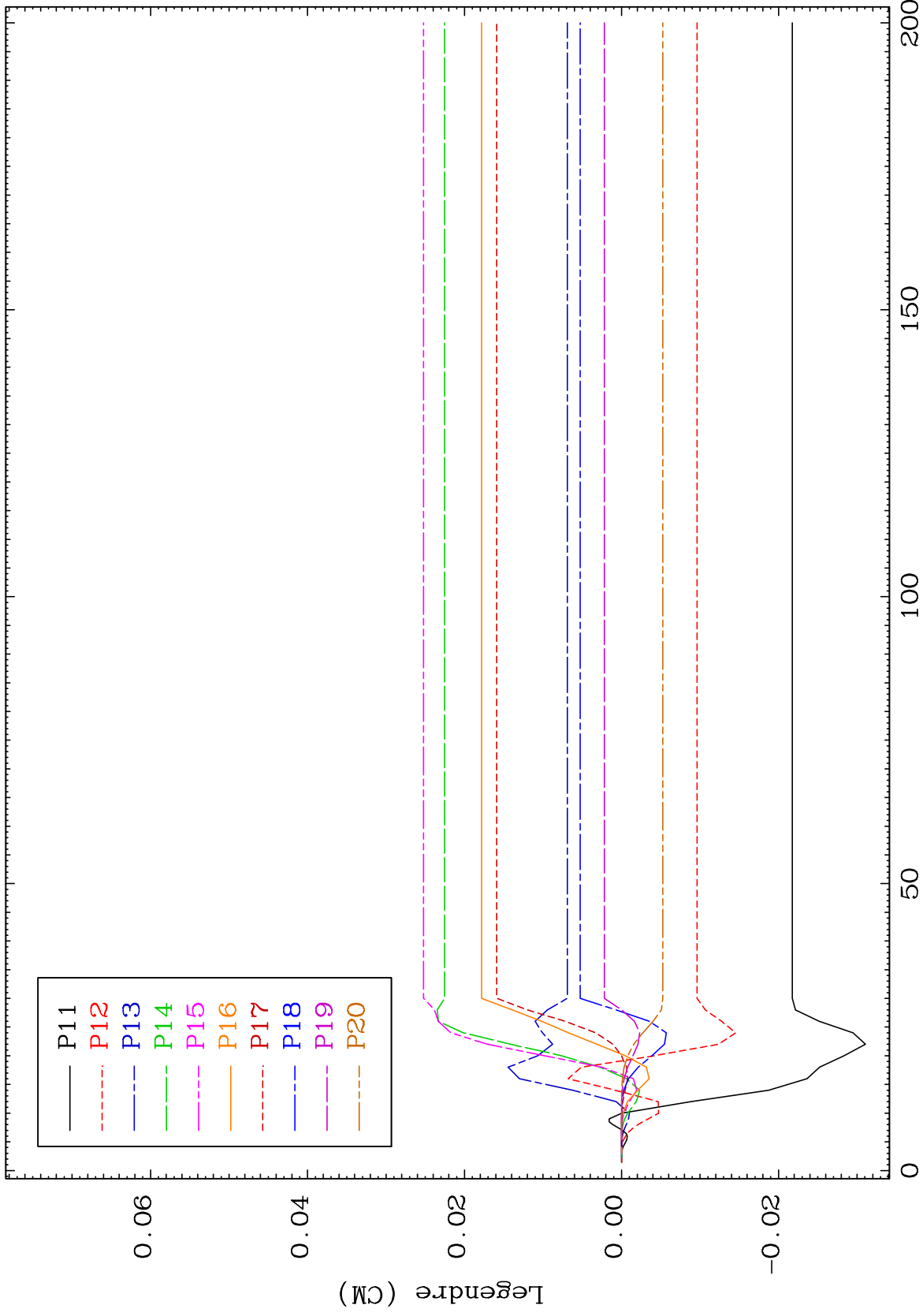
77-Ir-188



MAT 7716

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

77-Ir-188



44

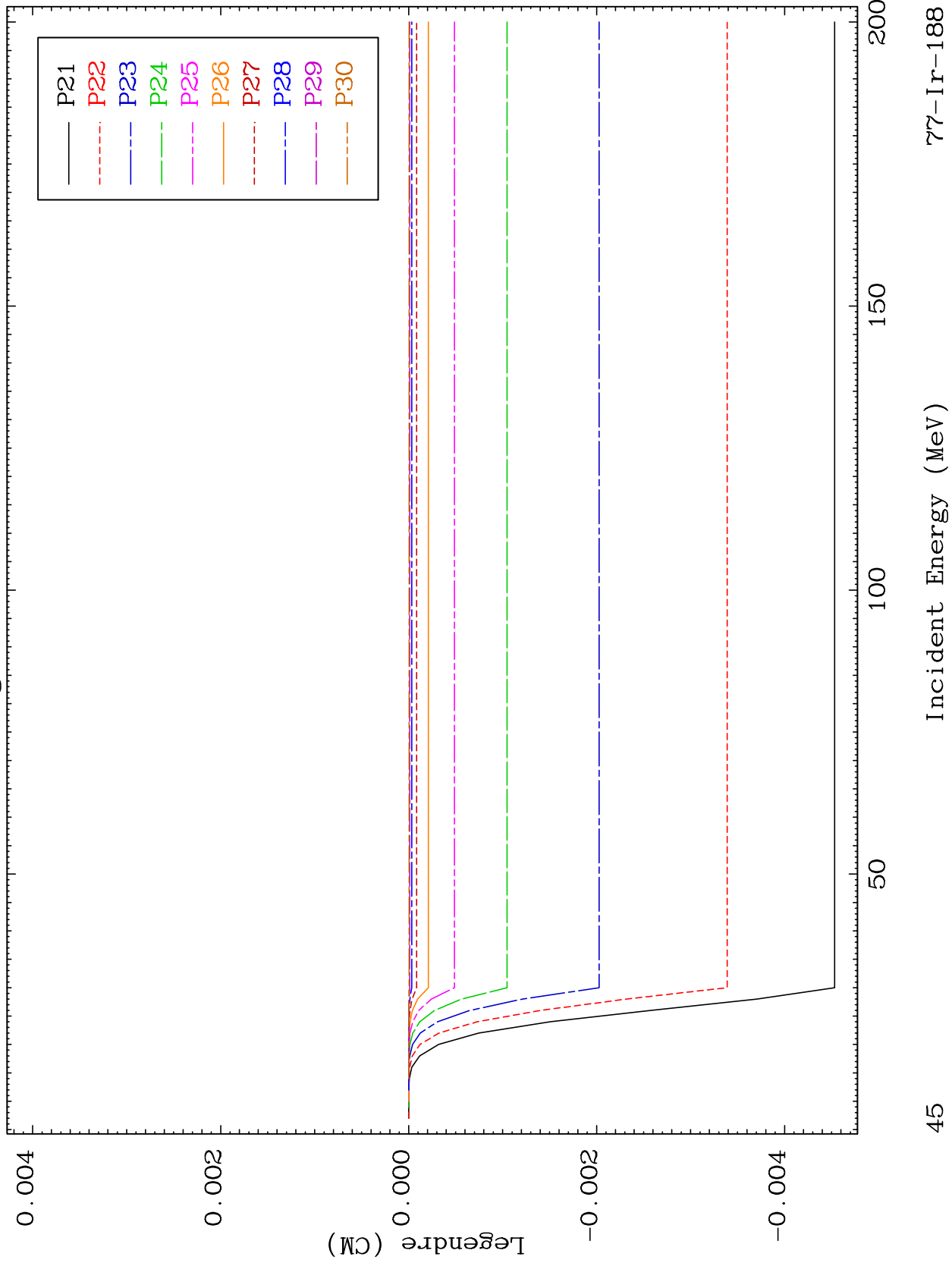
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

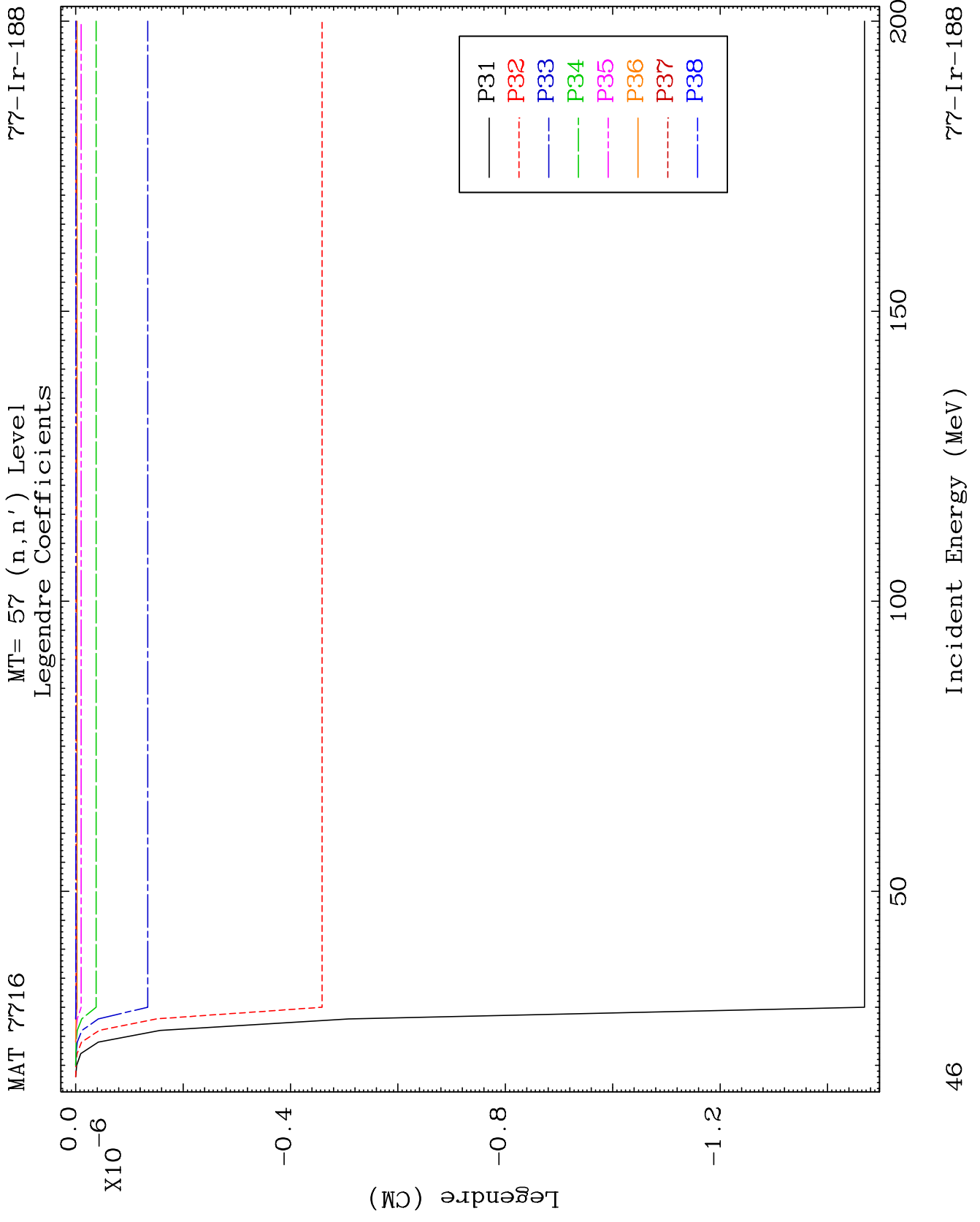
77-Ir-188

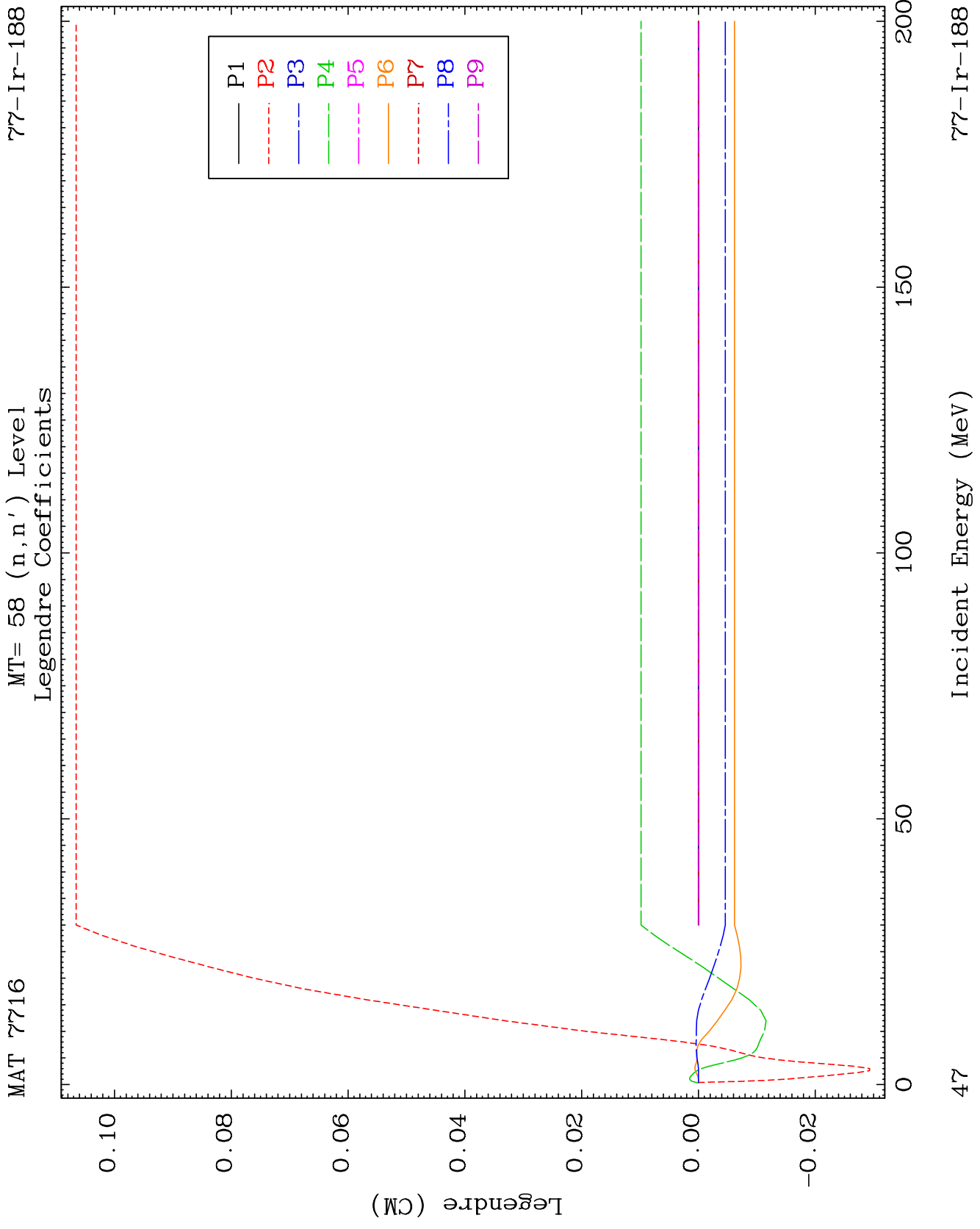


45

Incident Energy (MeV)

77-Ir-188





77-Ir-188

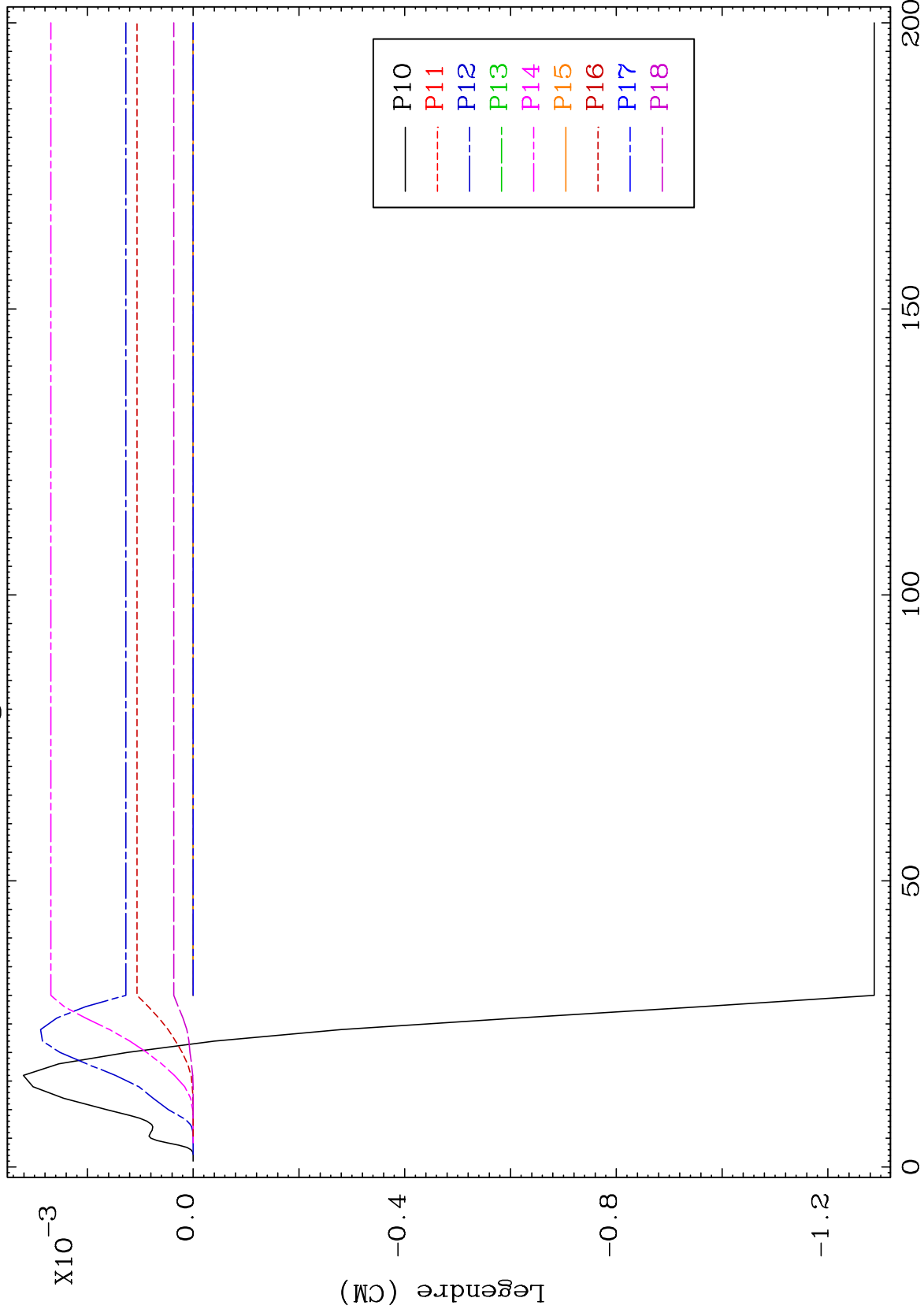
Incident Energy (MeV)

47

MAT 7716

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

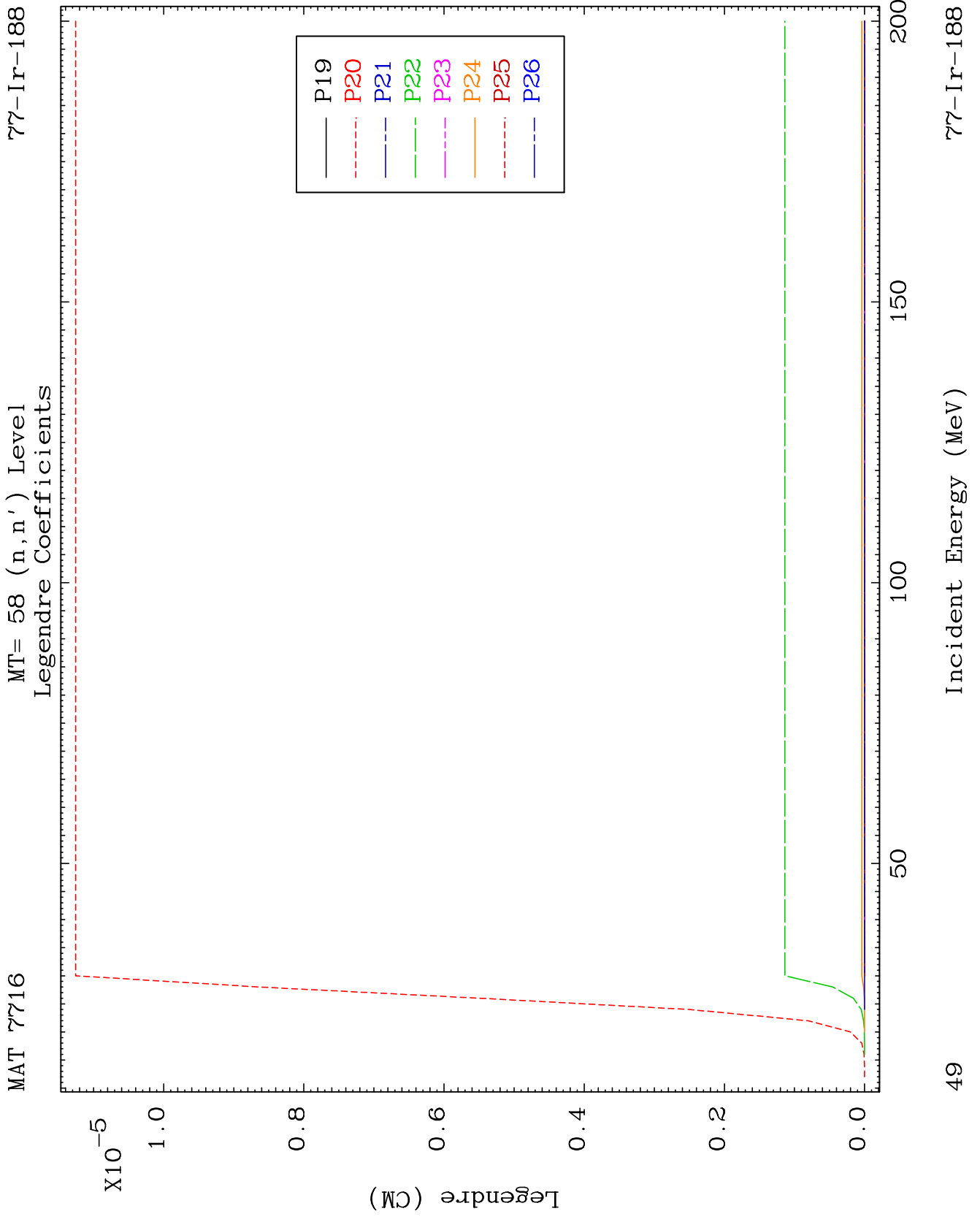
77-Ir-188

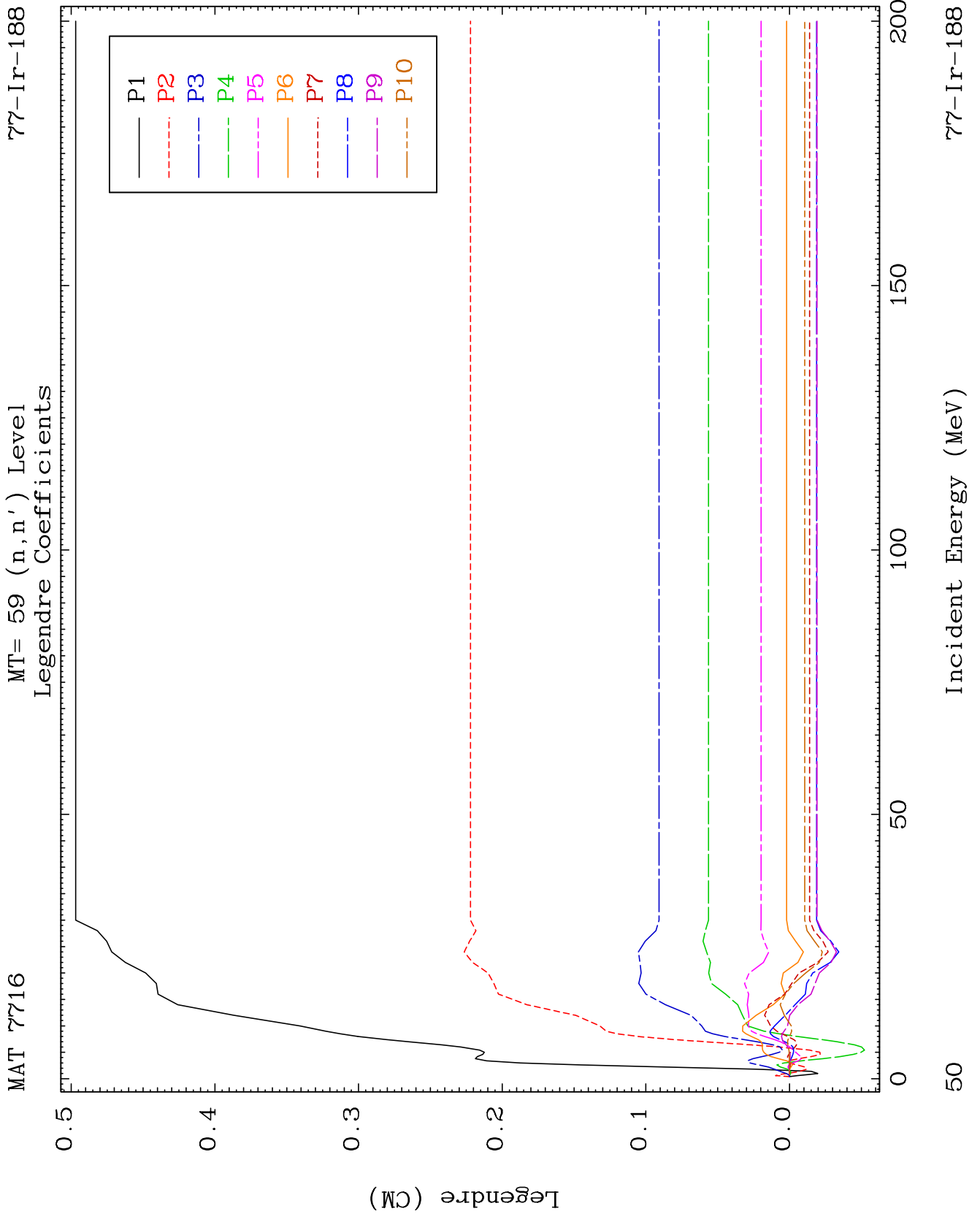


48

Incident Energy (MeV)

77-Ir-188

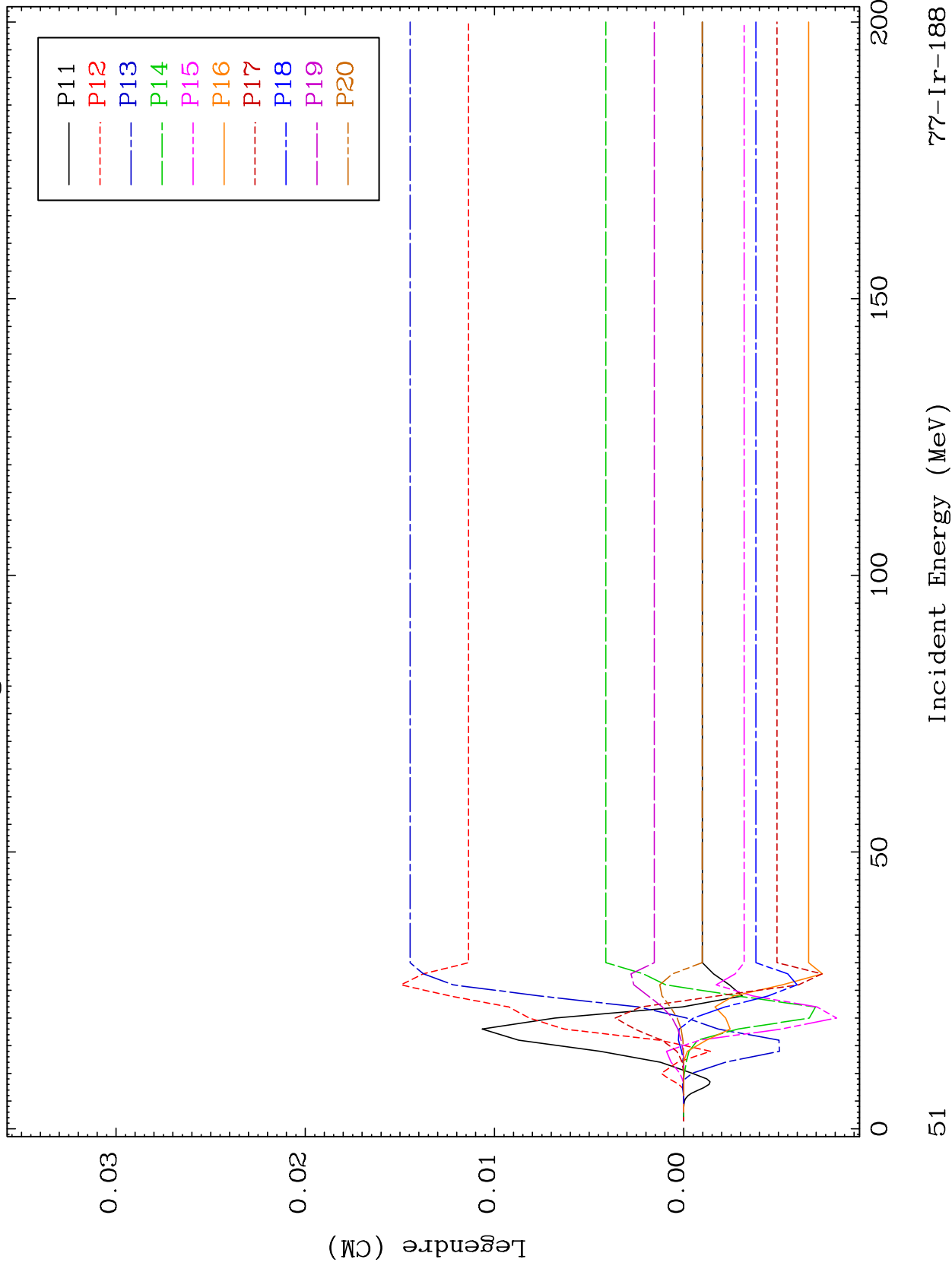




MAT 7716

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

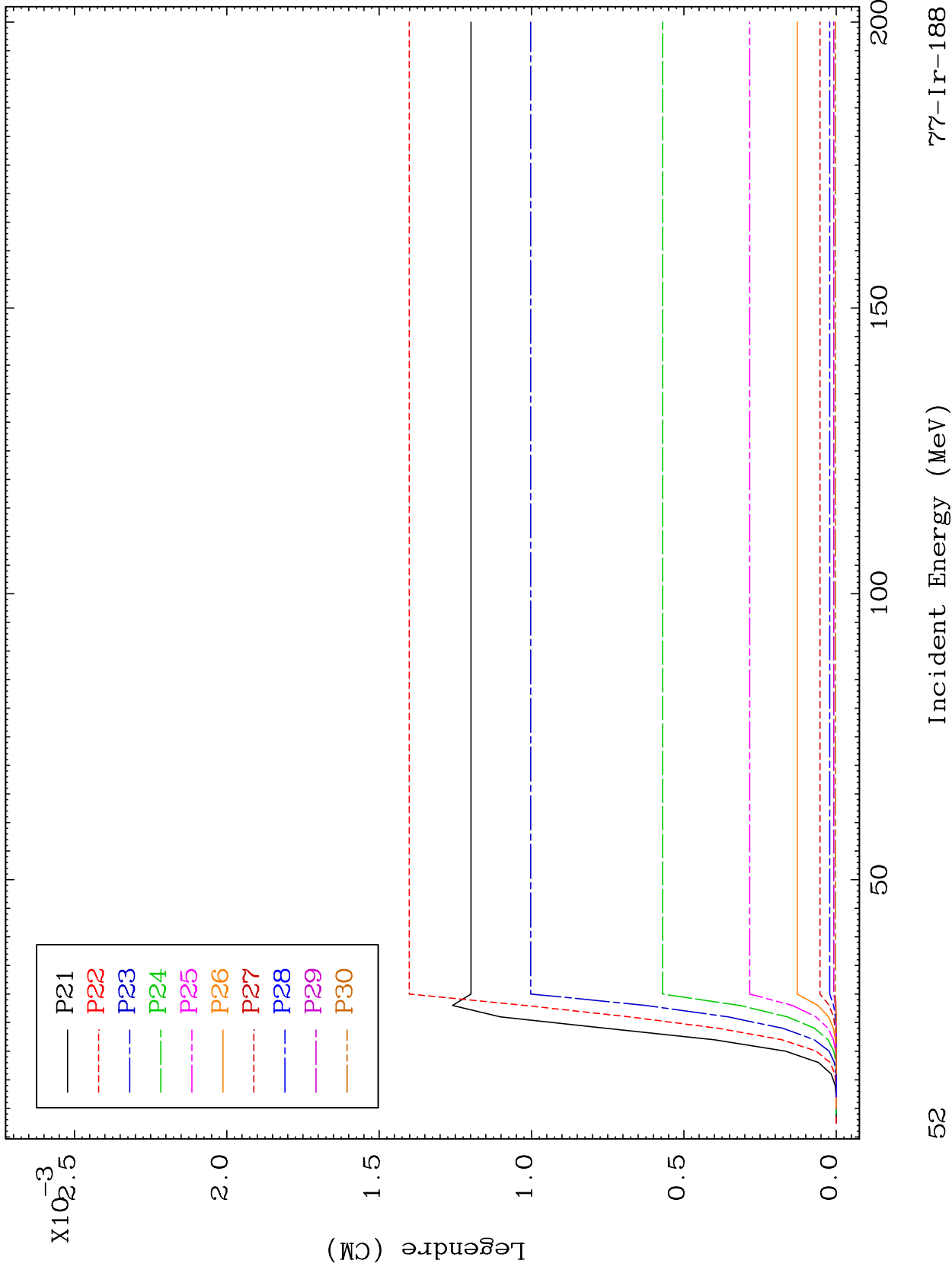
77-Ir-188



77-Ir-188

Incident Energy (MeV)

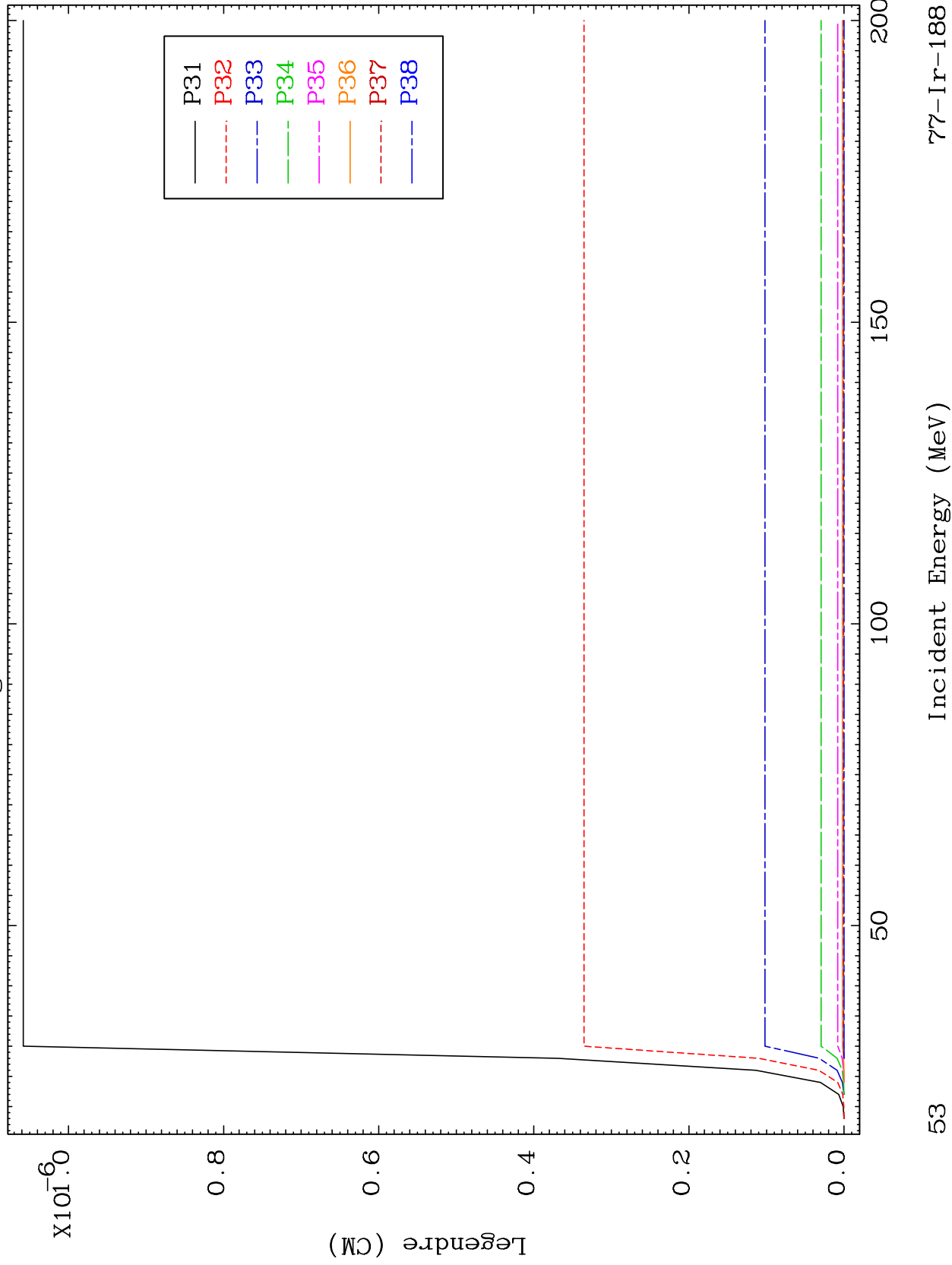
51



MAT 7716

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

77-Ir-188



53

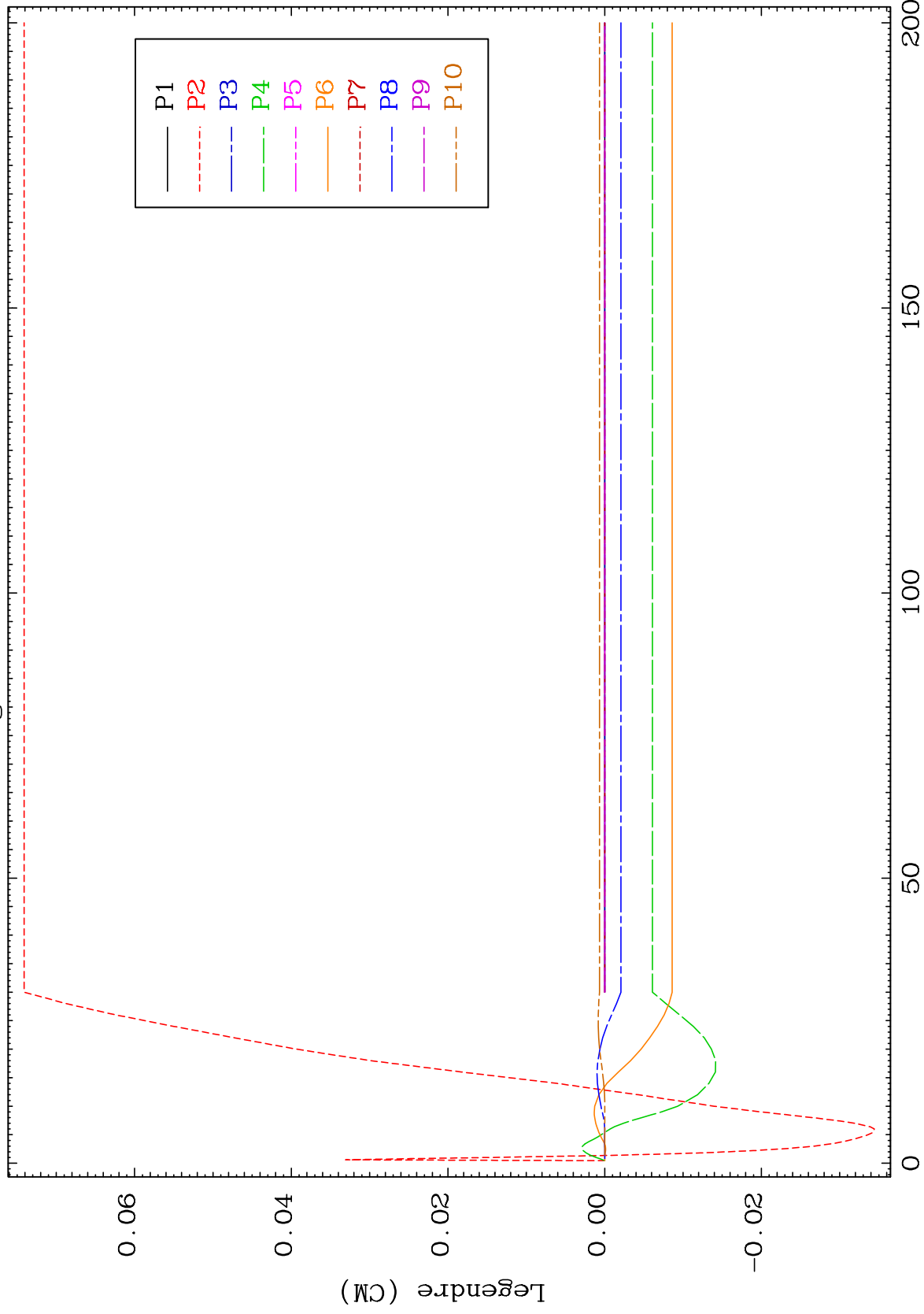
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

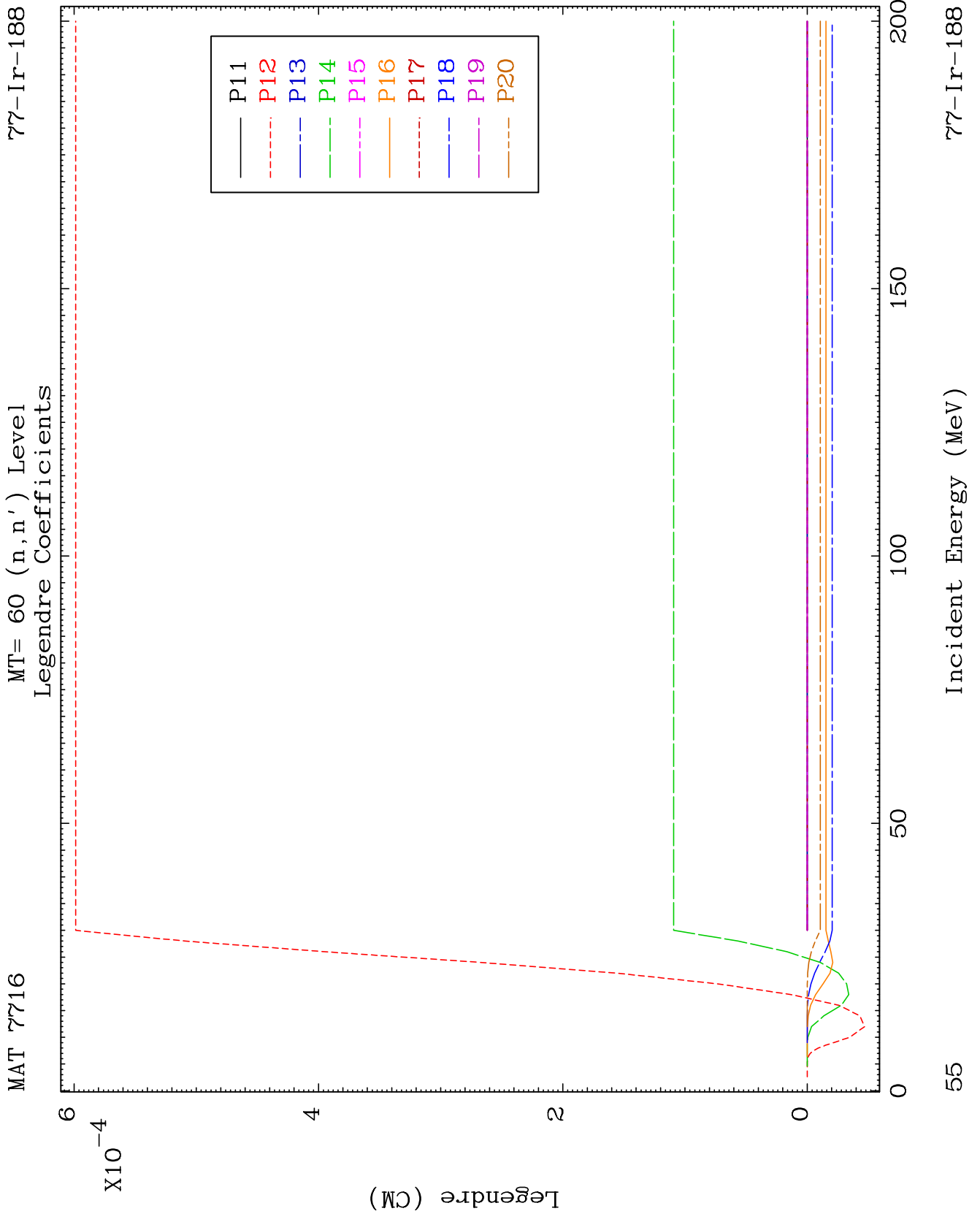
77-Ir-188



54

Incident Energy (MeV)

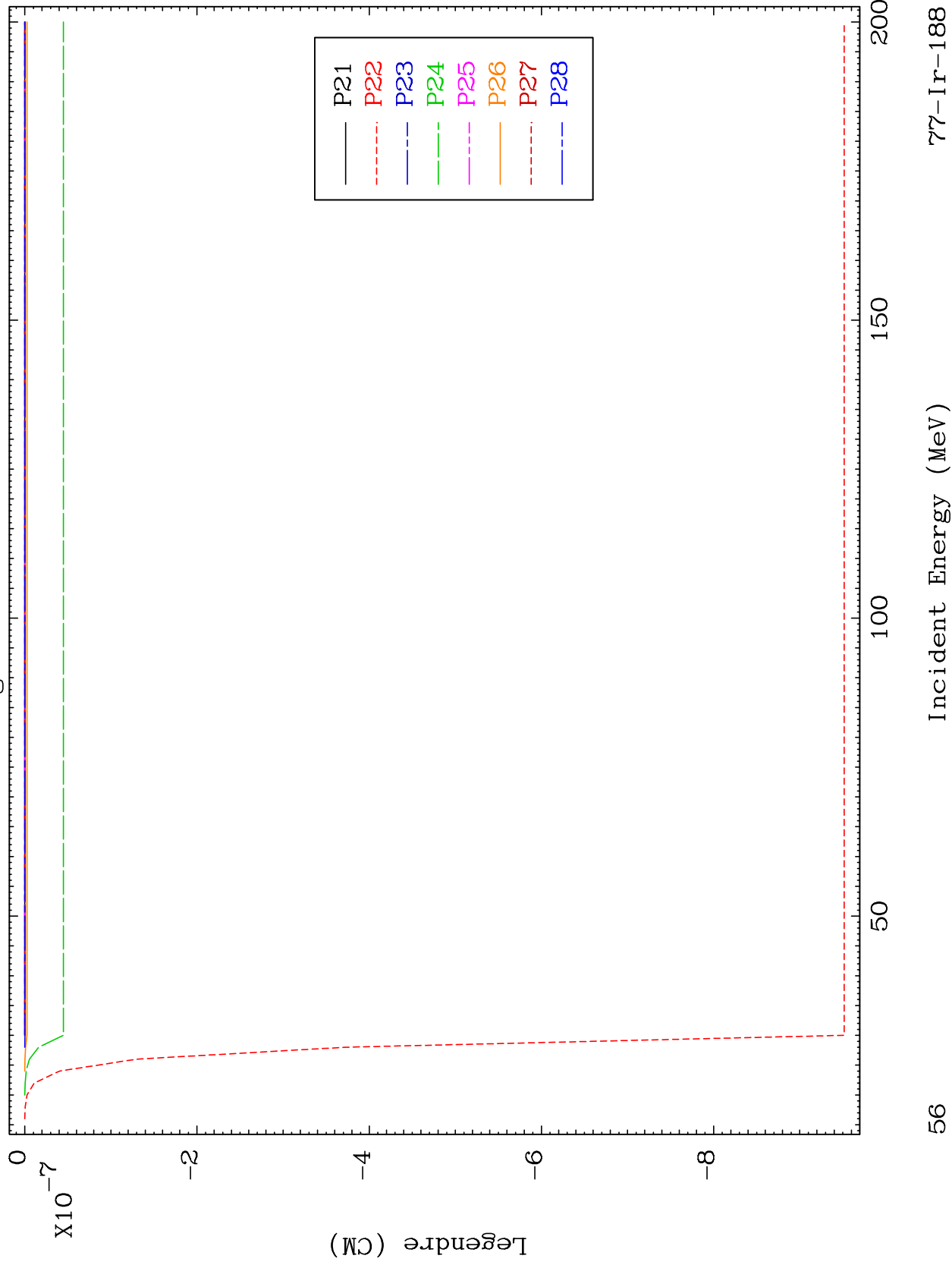
77-Ir-188



MAT 7716

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

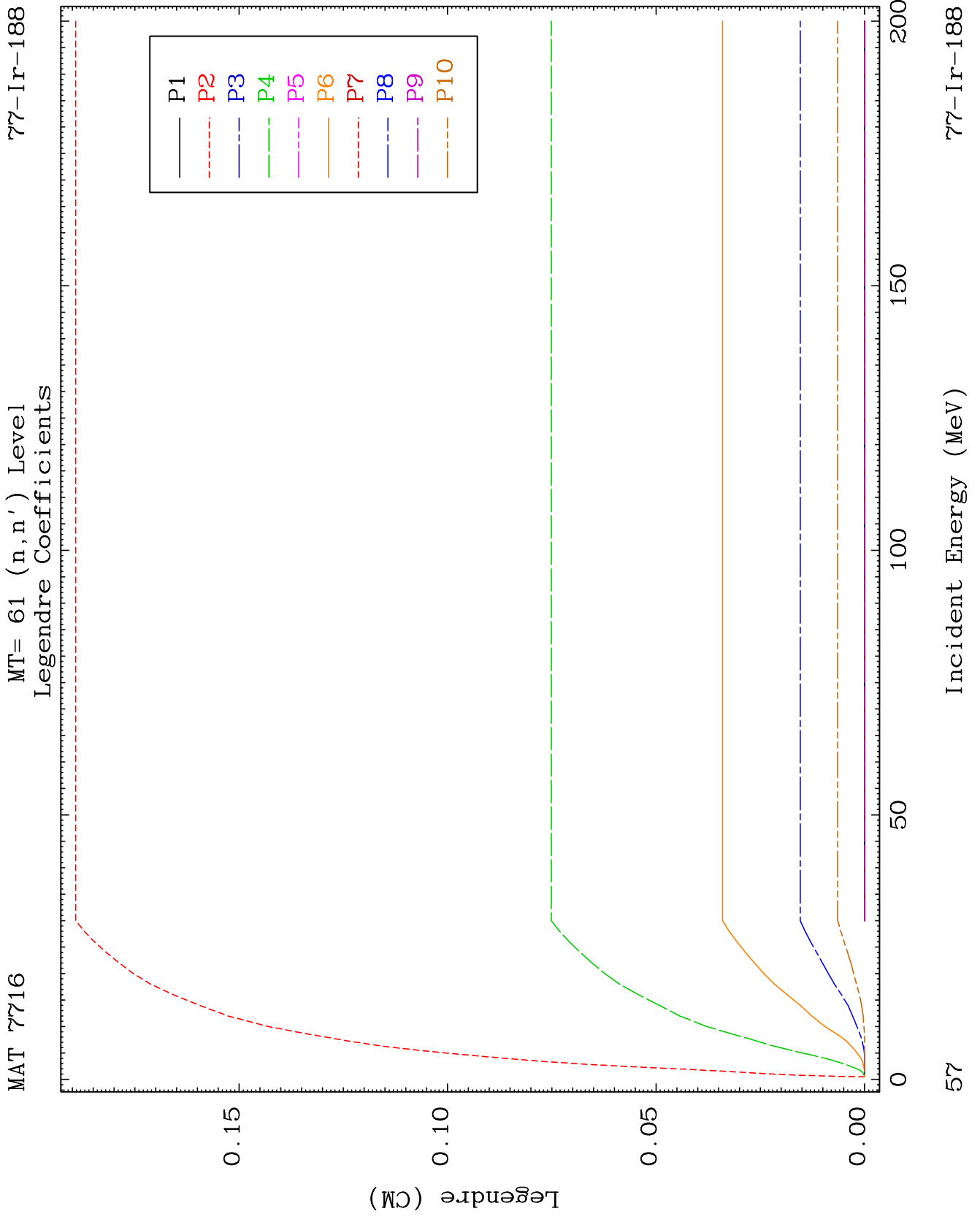
77-Ir-188

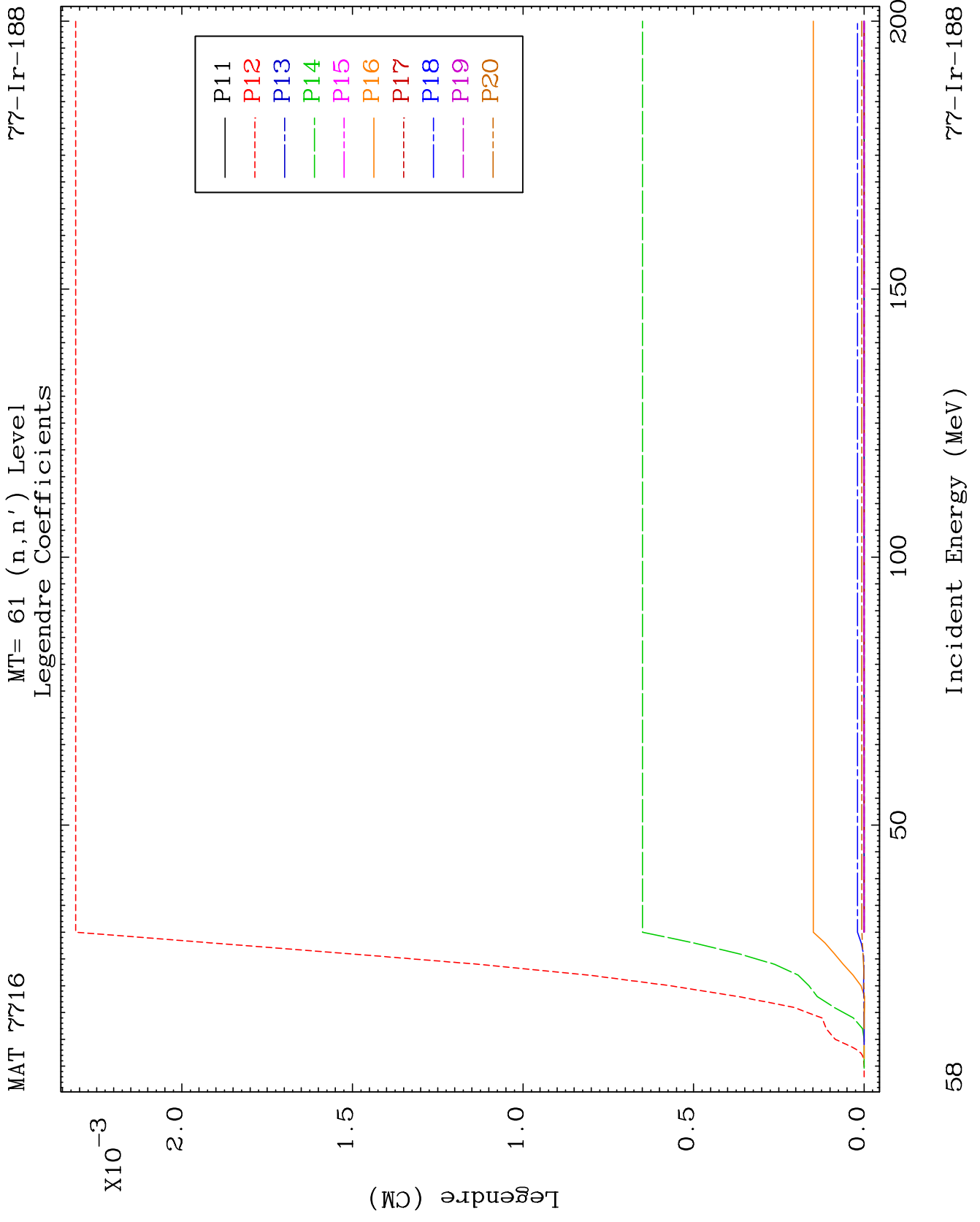


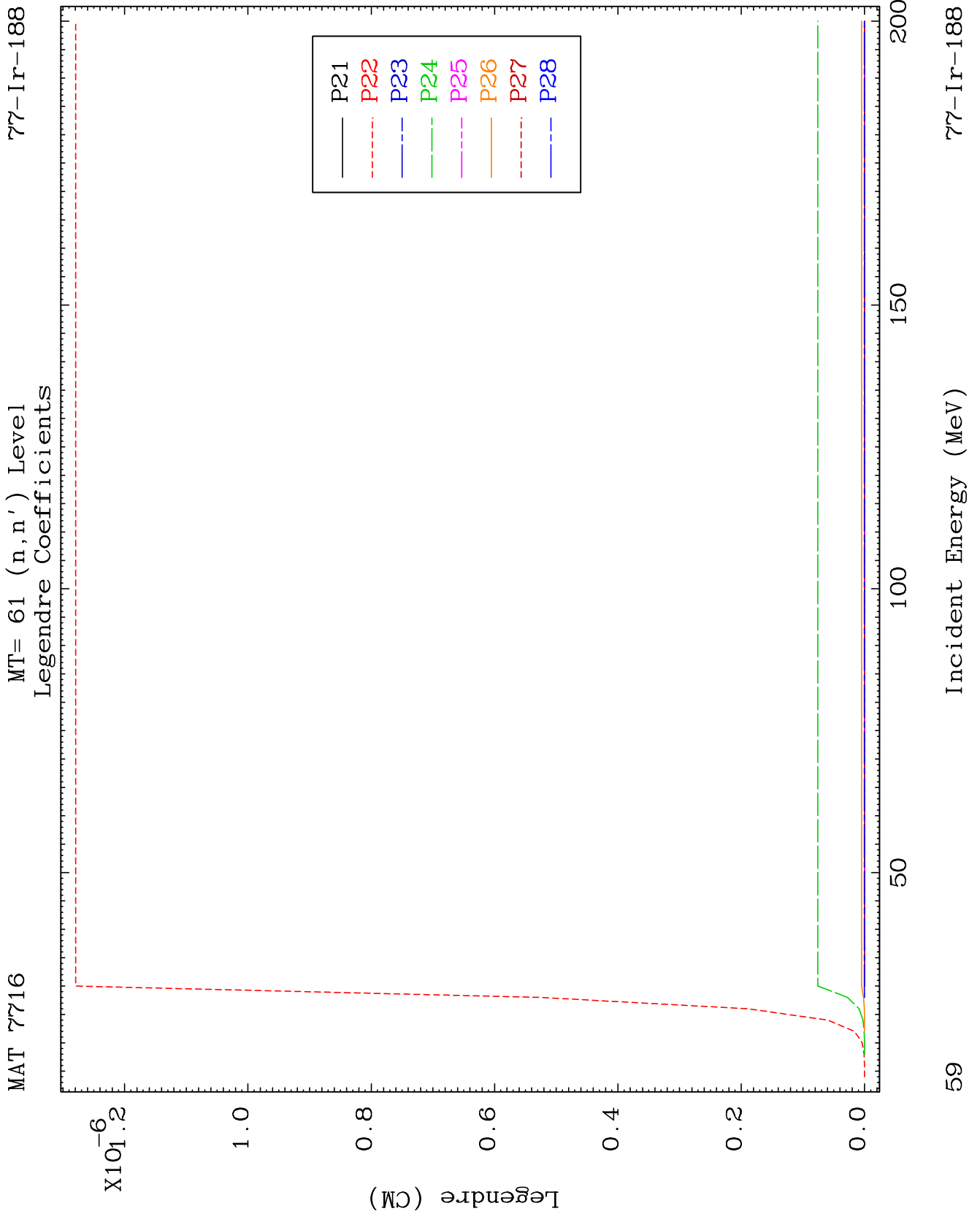
56

Incident Energy (MeV)

77-Ir-188



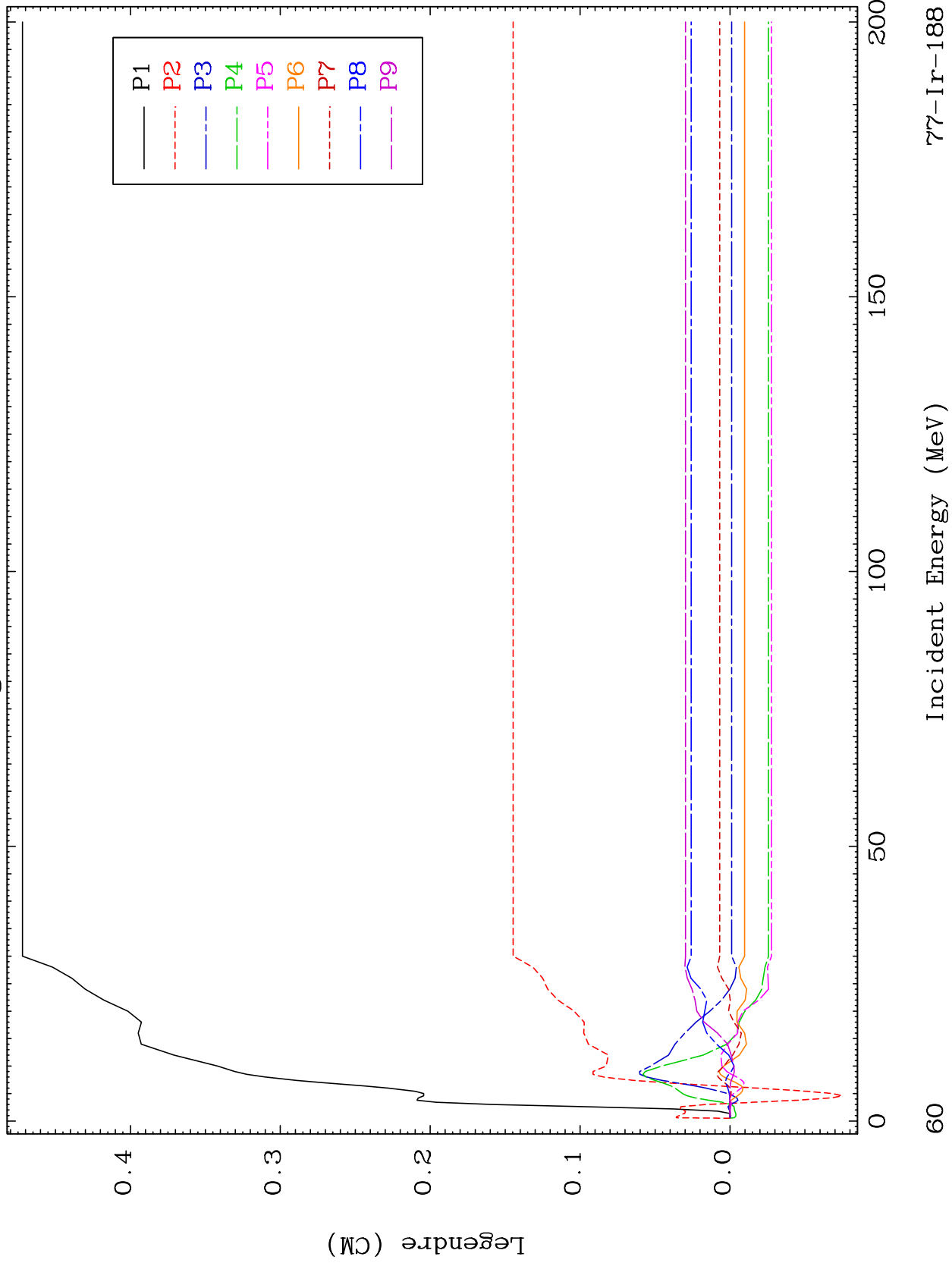




MAT 7716

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

77-Ir-188

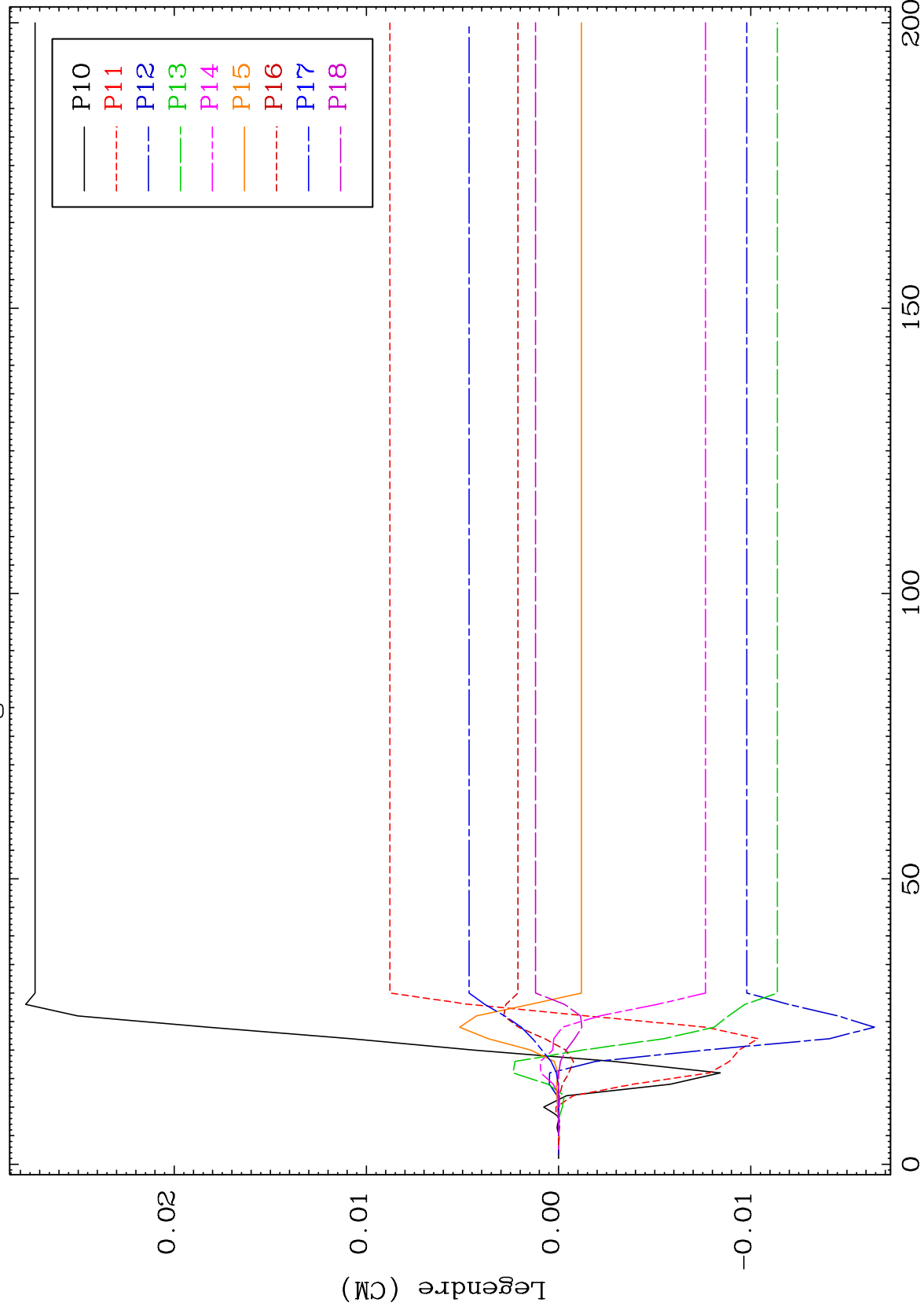


77-Ir-188

MAT 7716

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

77-Ir-188



61

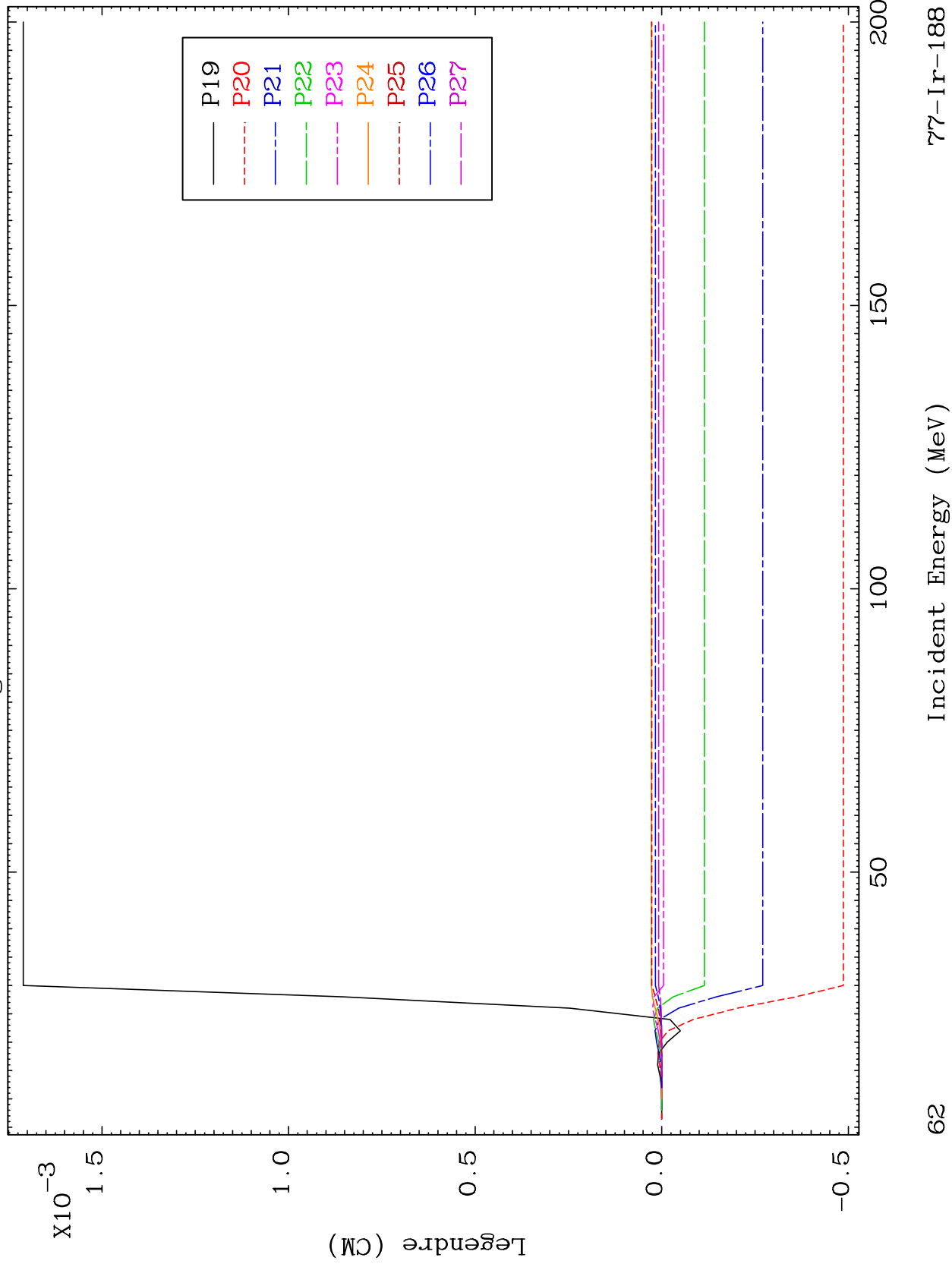
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



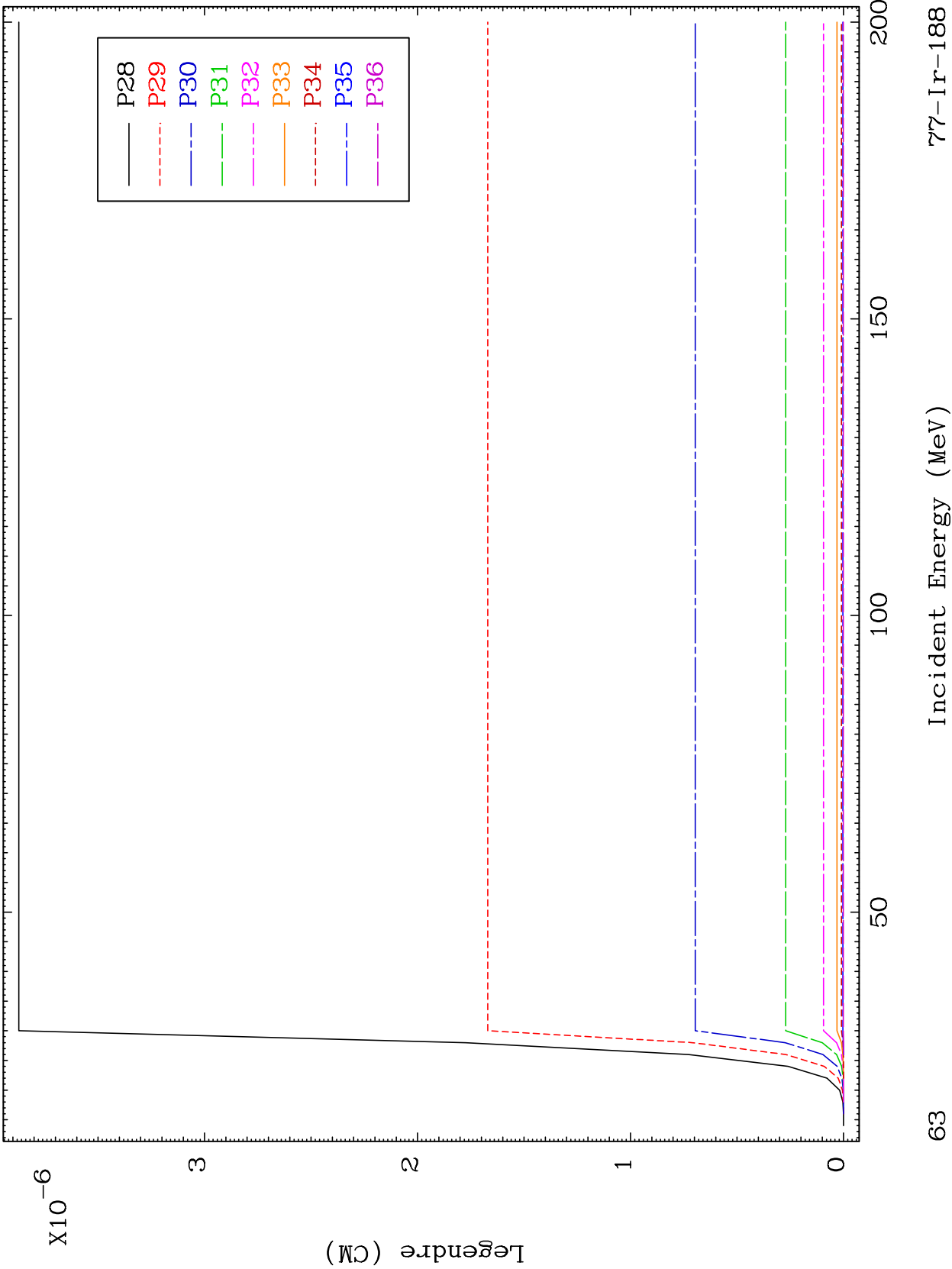
62

77-Ir-188

MAT 7716

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

77-Ir-188



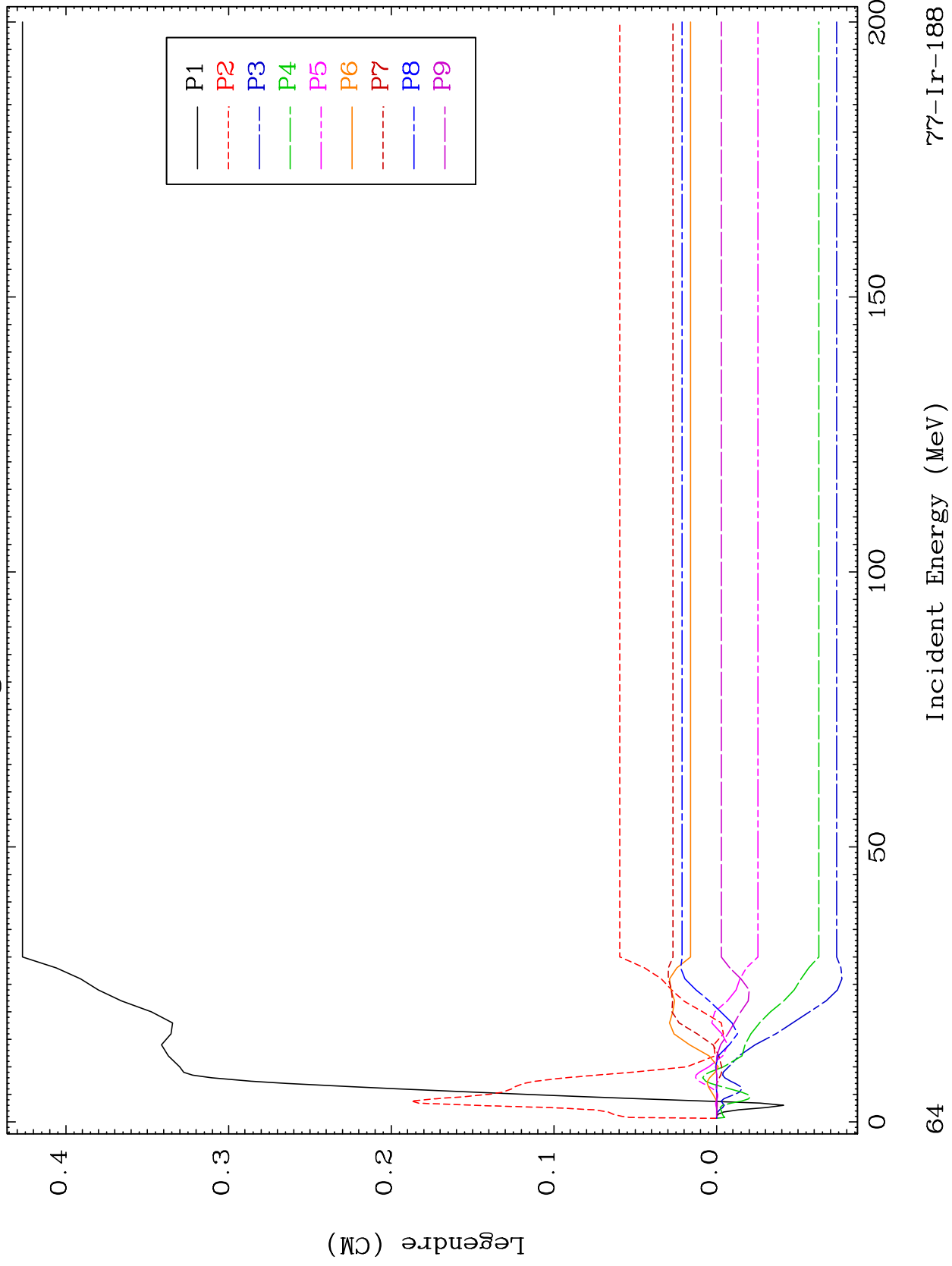
63

77-Ir-188

MAT 7716

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

77-Ir-188



77-Ir-188

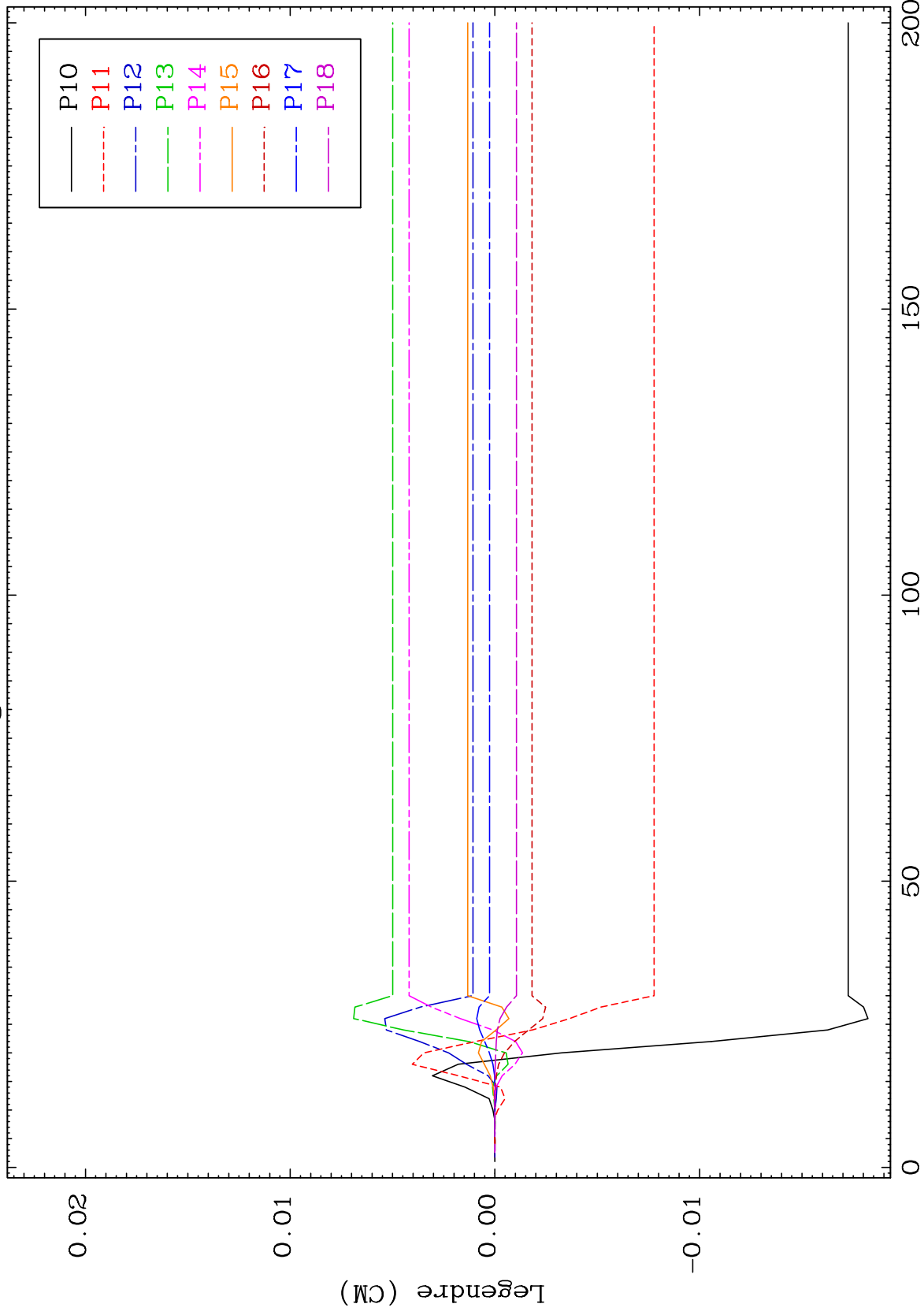
Incident Energy (MeV)

64

MAT 7716

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

77-Ir-188



Incident Energy (MeV)

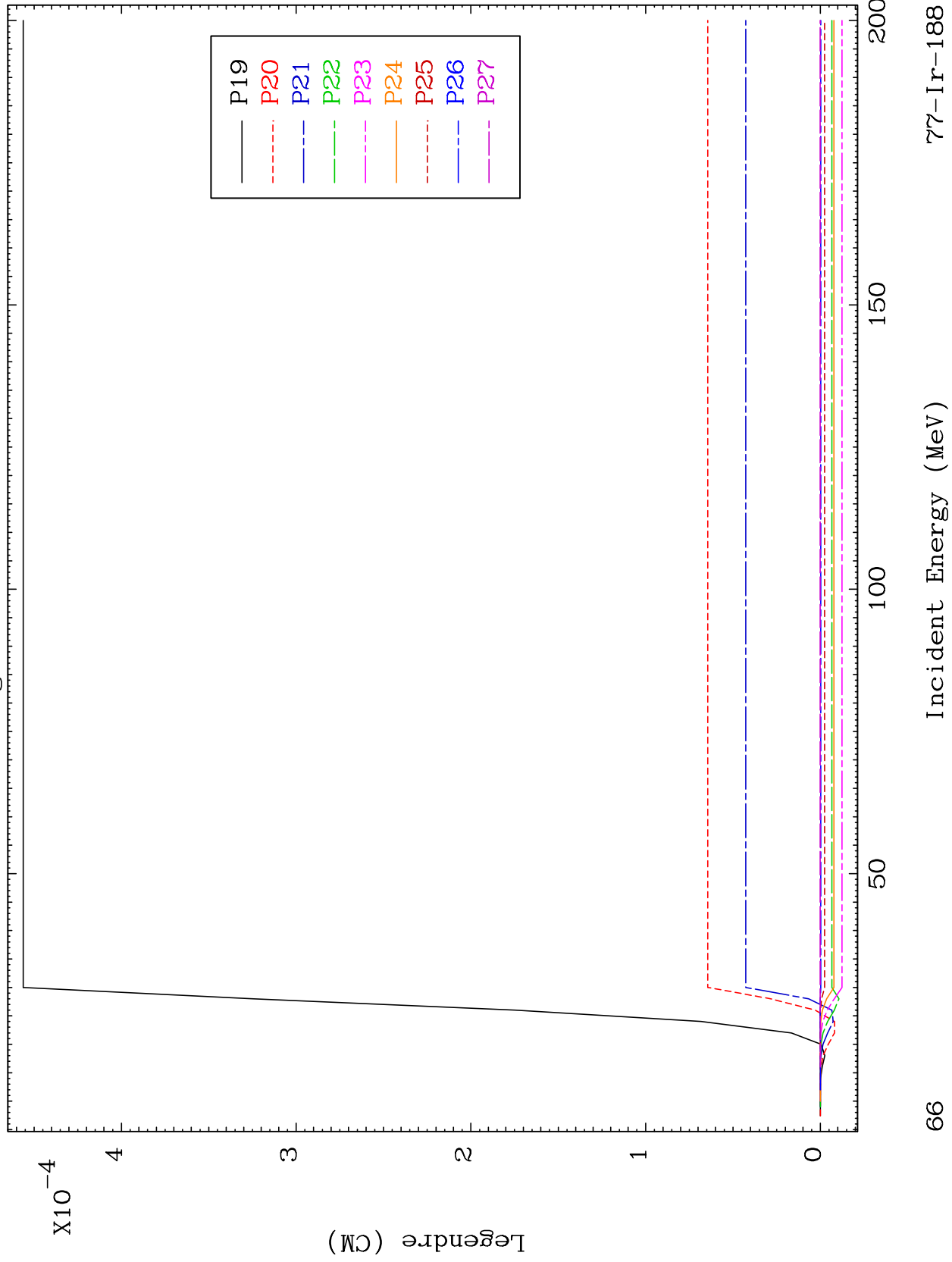
77-Ir-188

65

MAT 7716

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

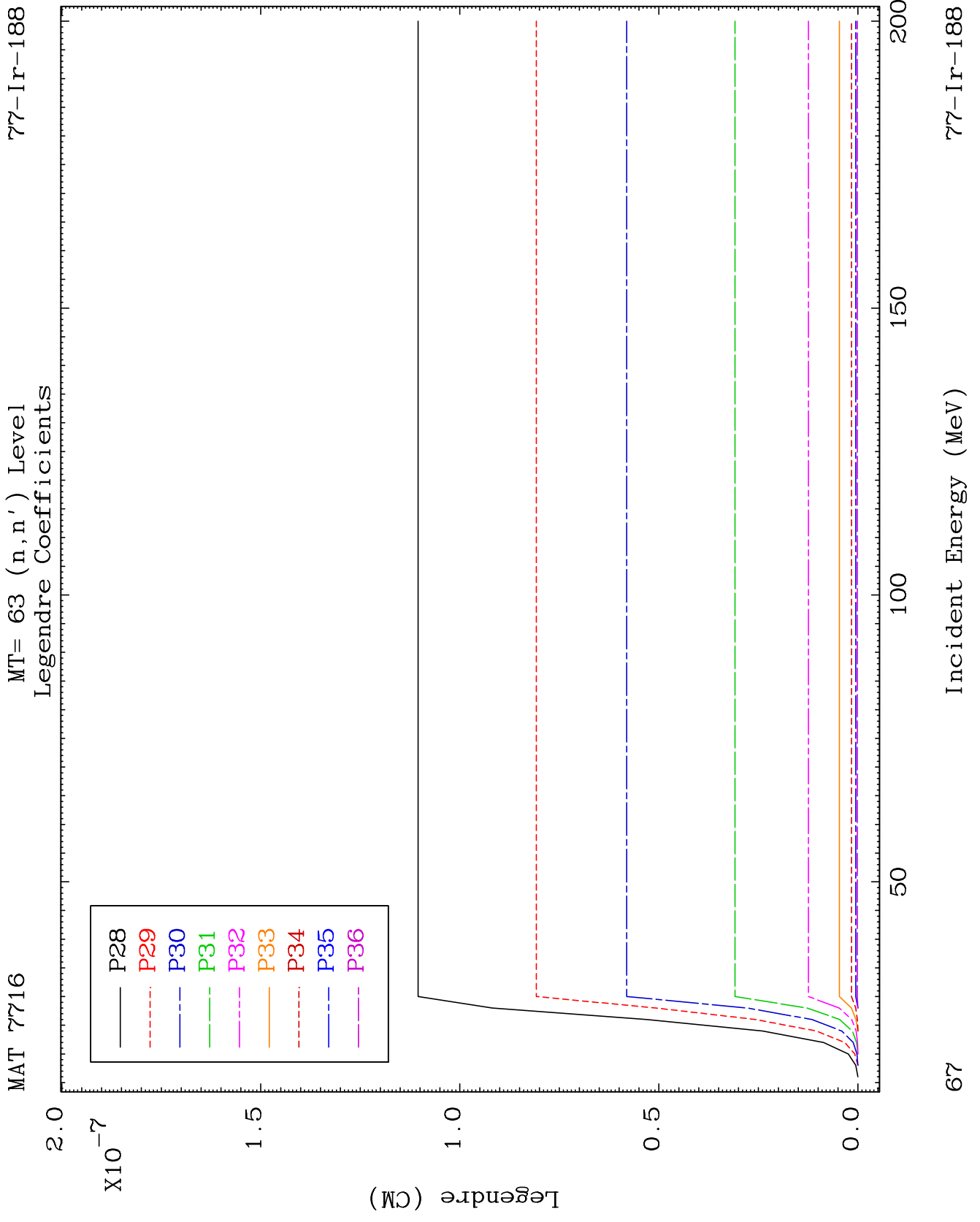
77-Ir-188



66

Incident Energy (MeV)

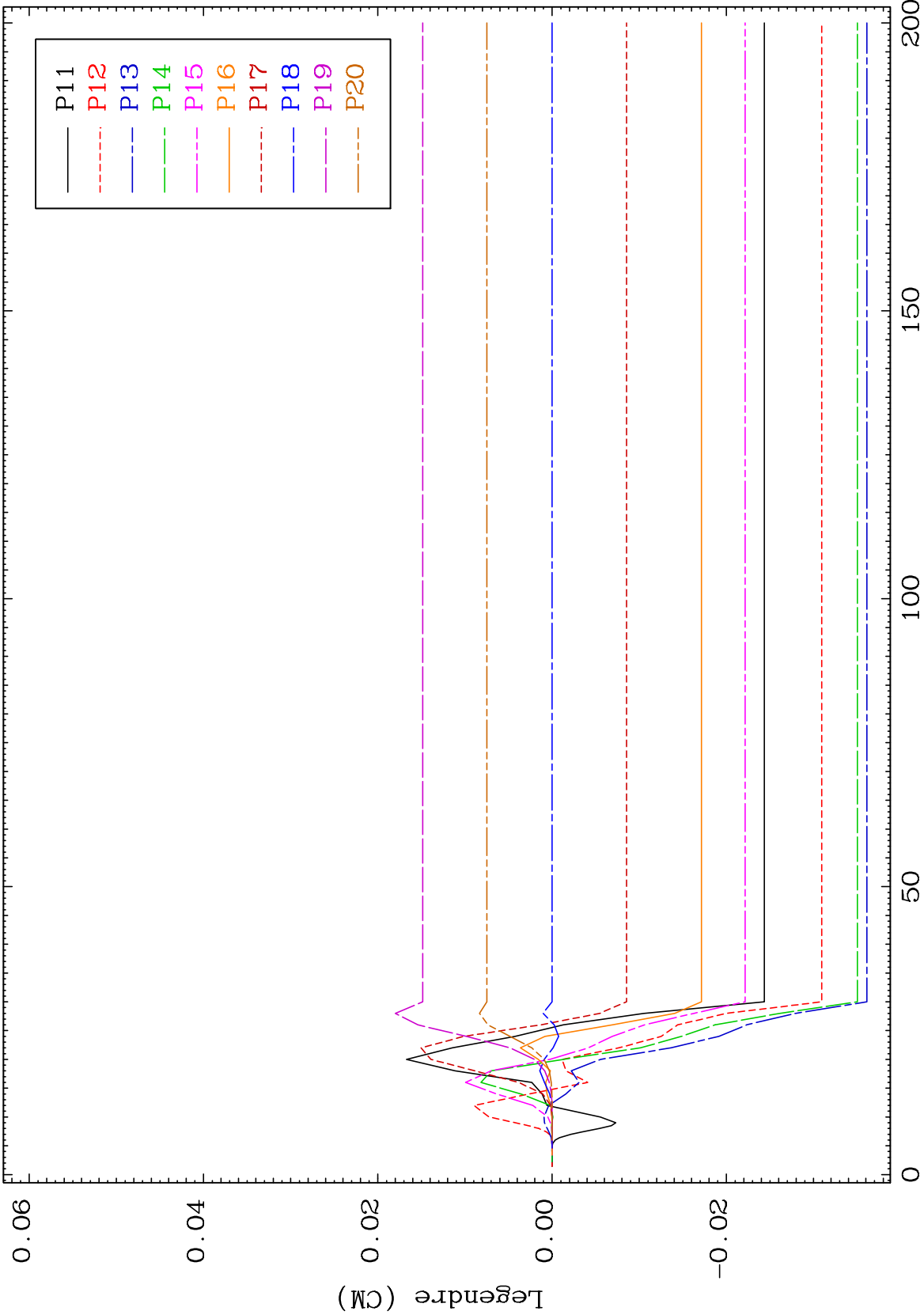
77-Ir-188



MAT 7716

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

77-Ir-188



69

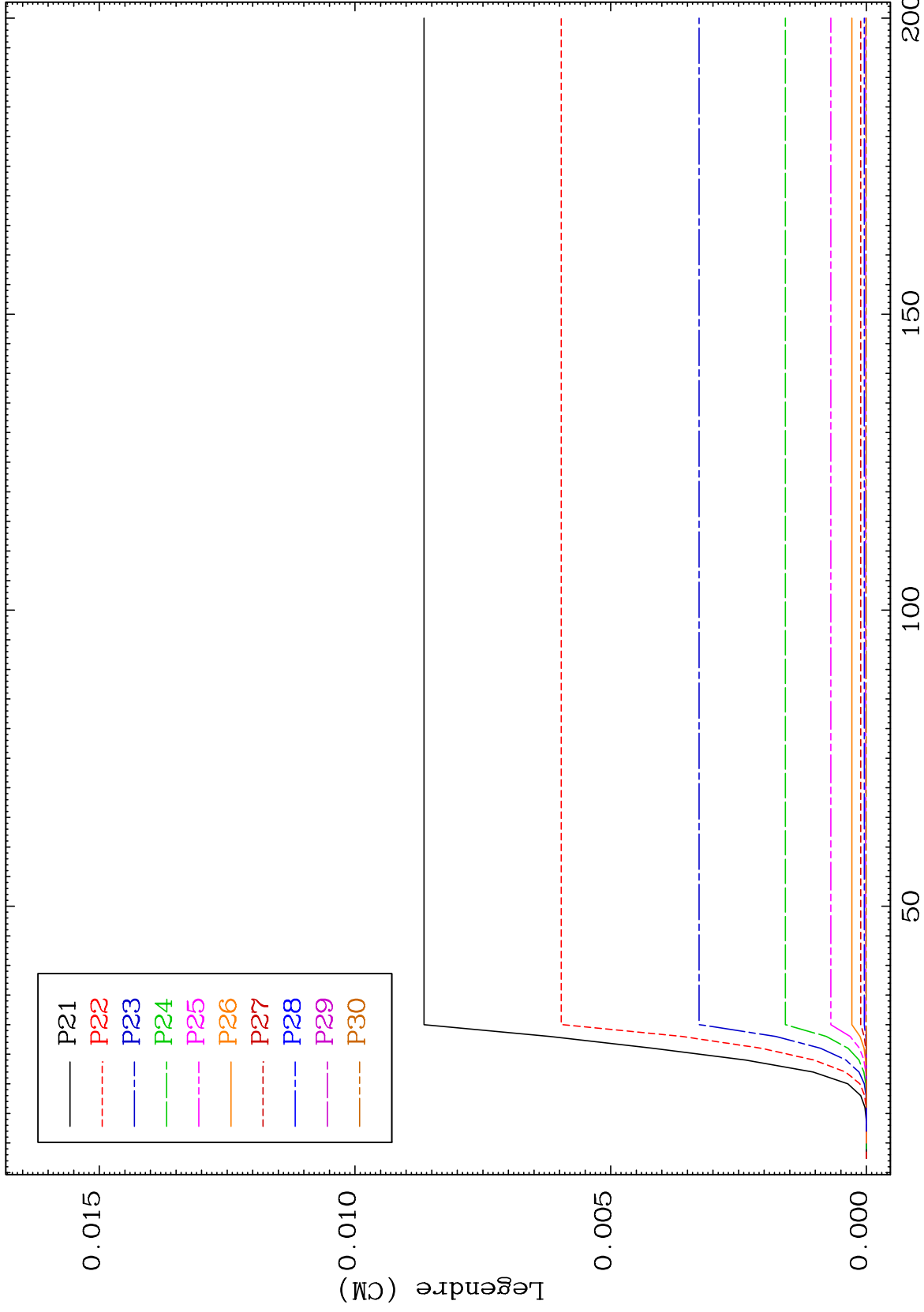
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



70

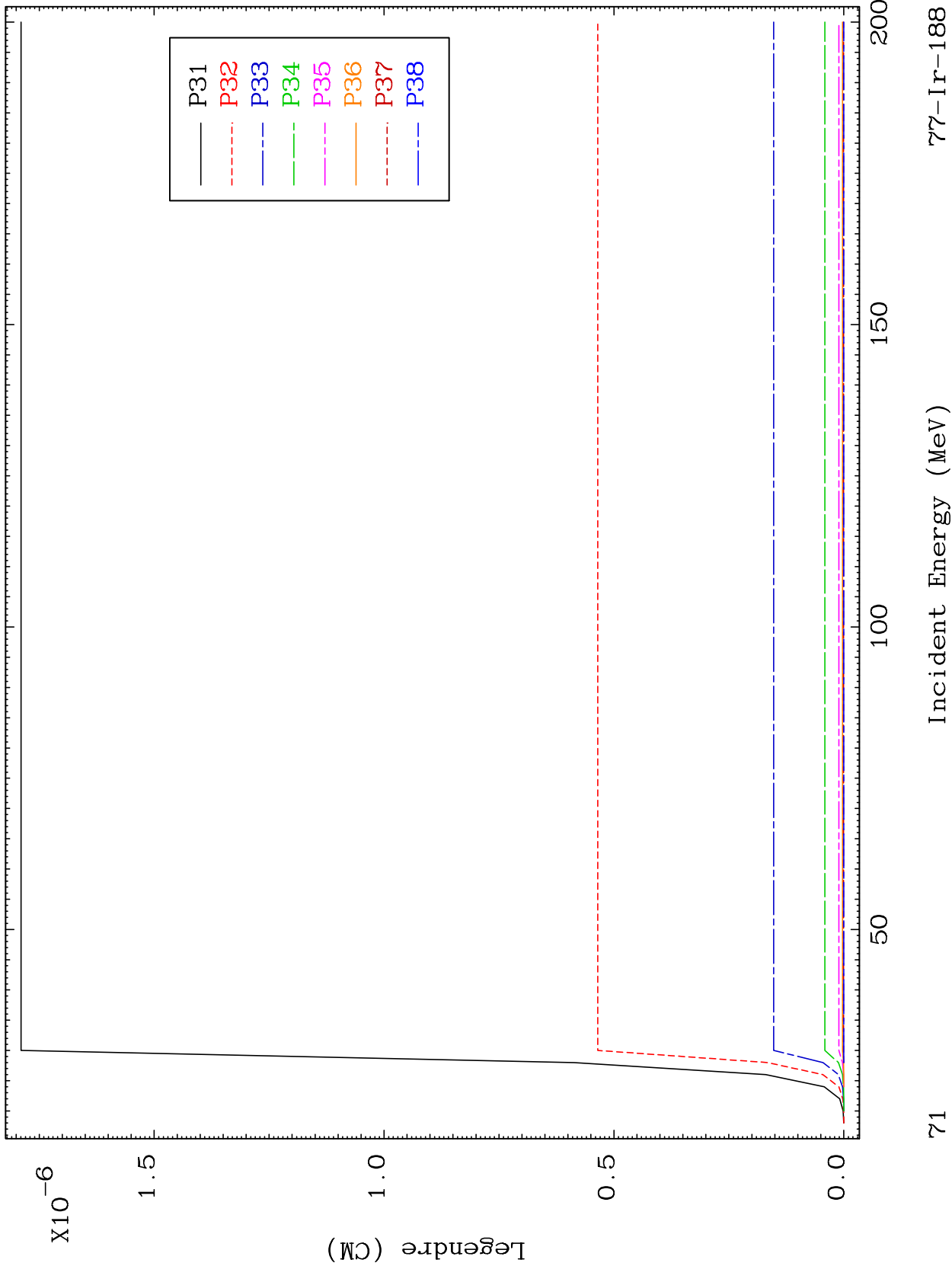
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



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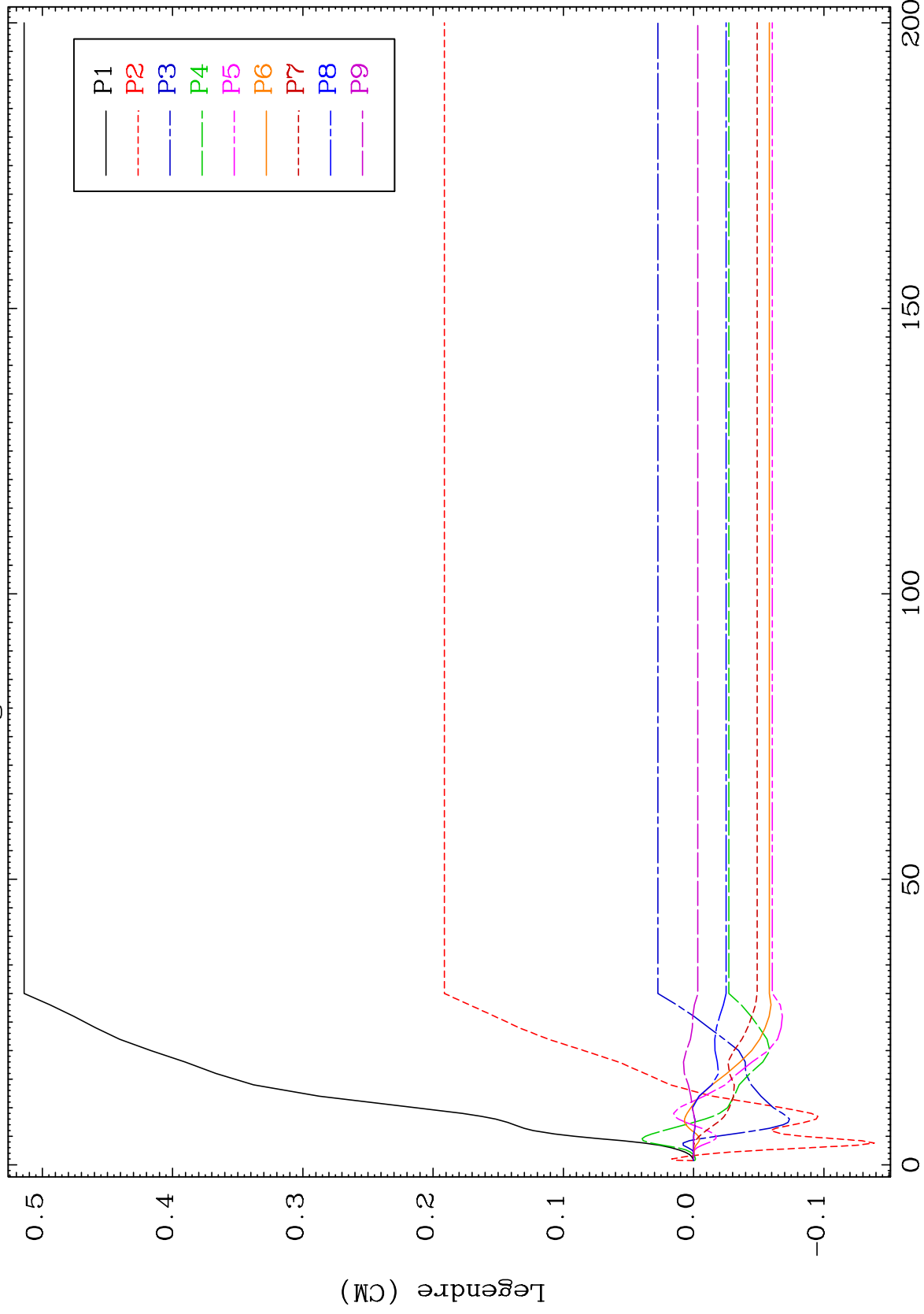
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



72

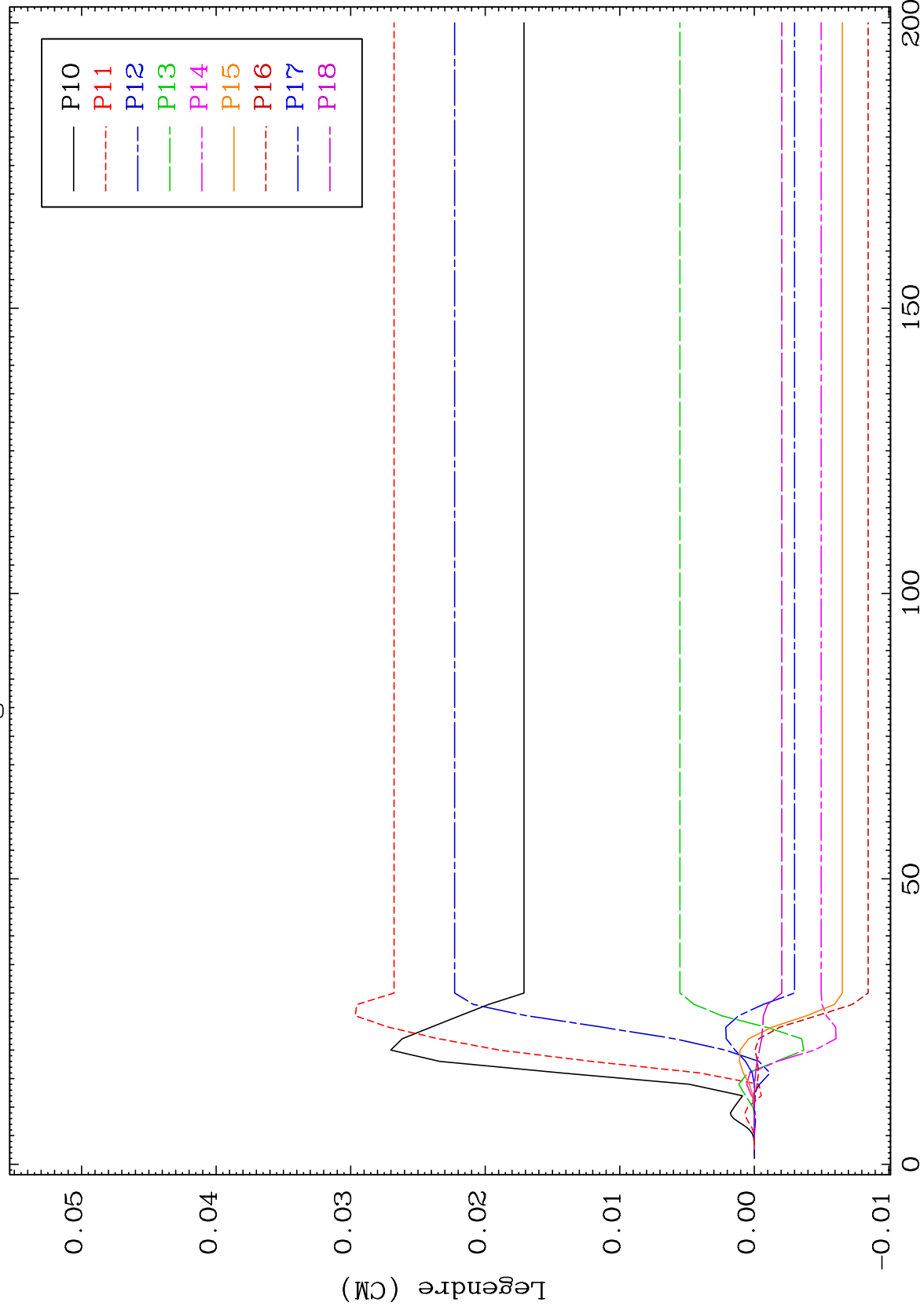
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



73

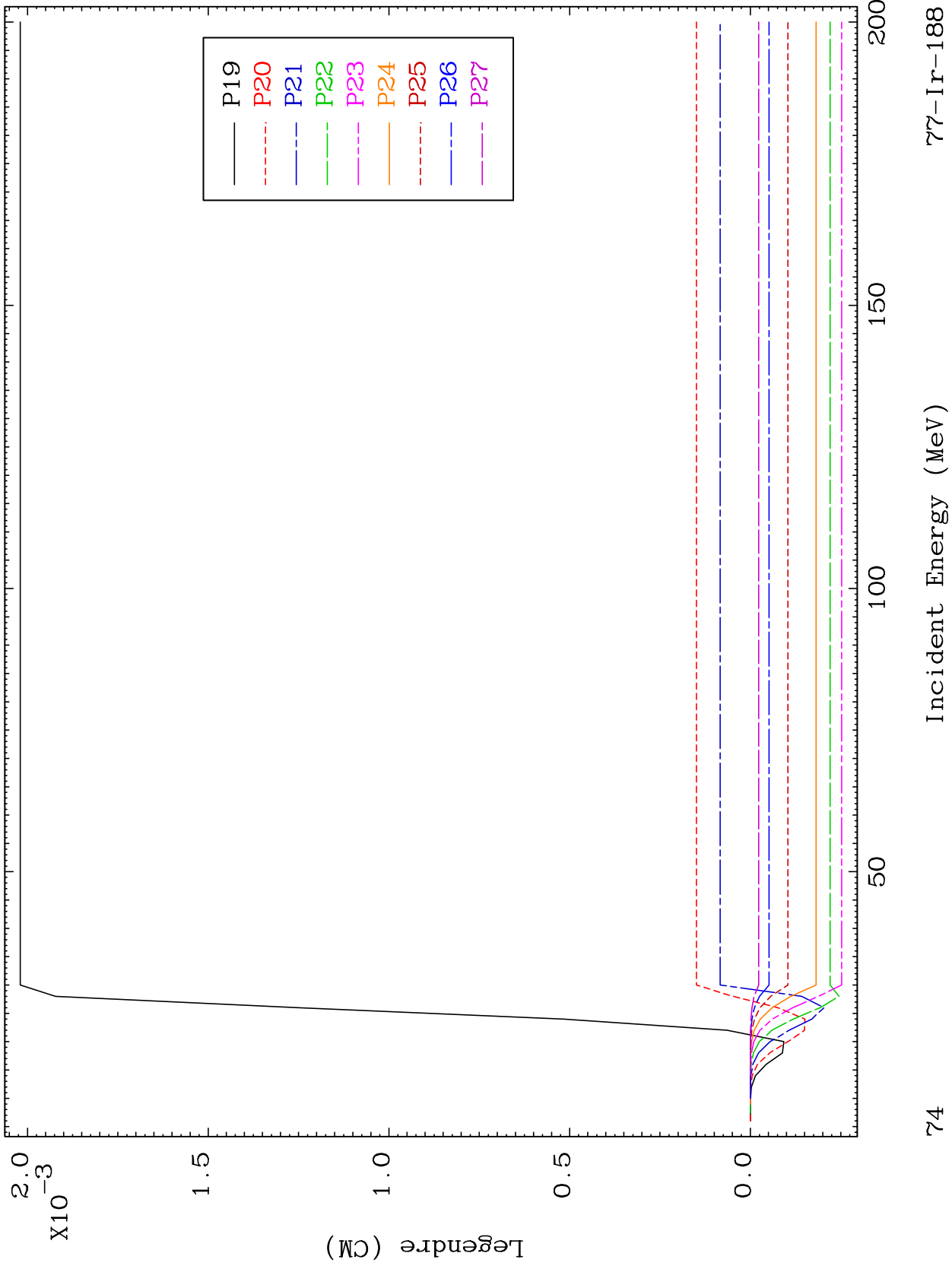
Incident Energy (MeV)

77-Ir-188

MAT 7716

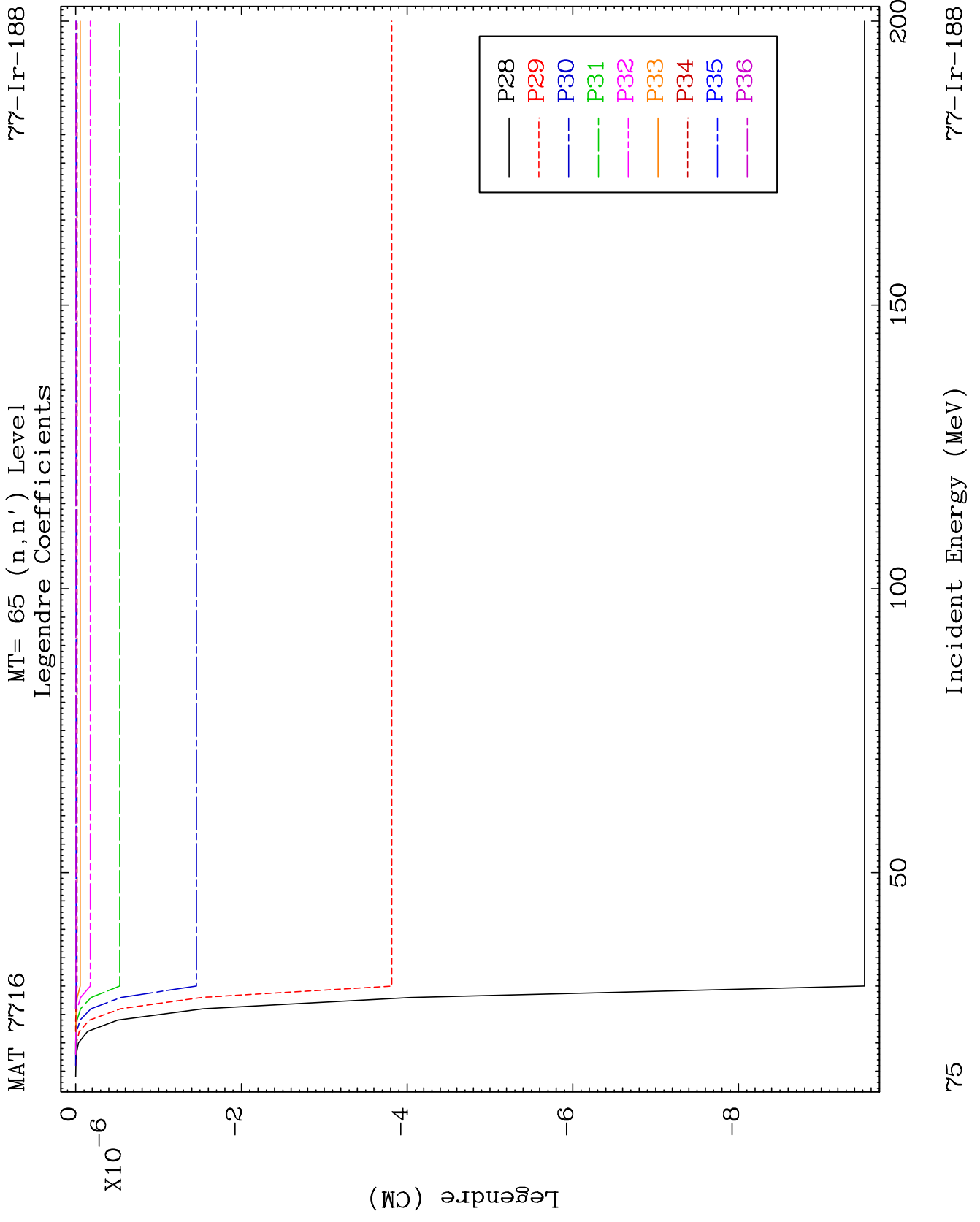
MT= 65 (n,n') Level
Legendre Coefficients

77-Ir-188



74

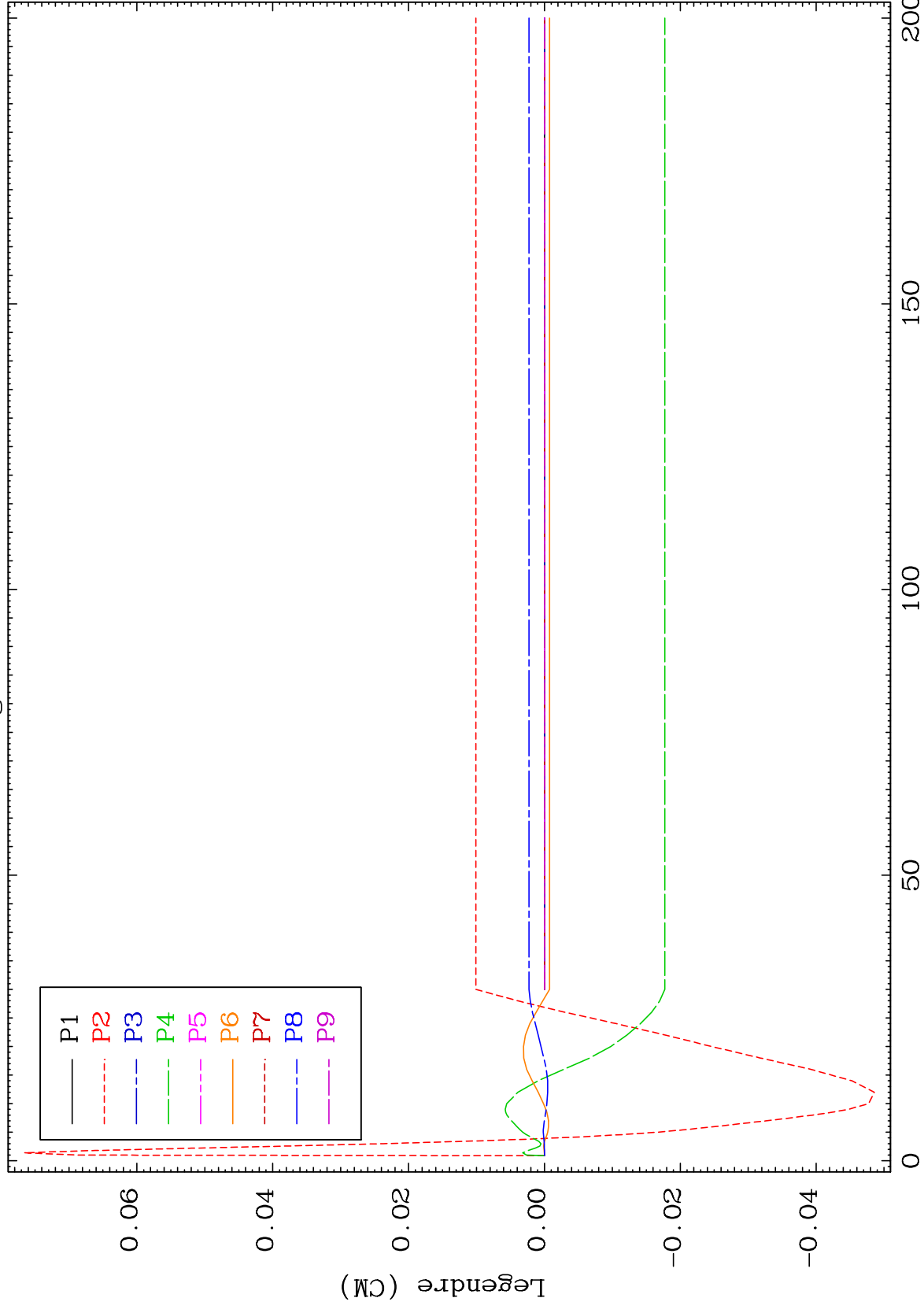
77-Ir-188



MAT 7716

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

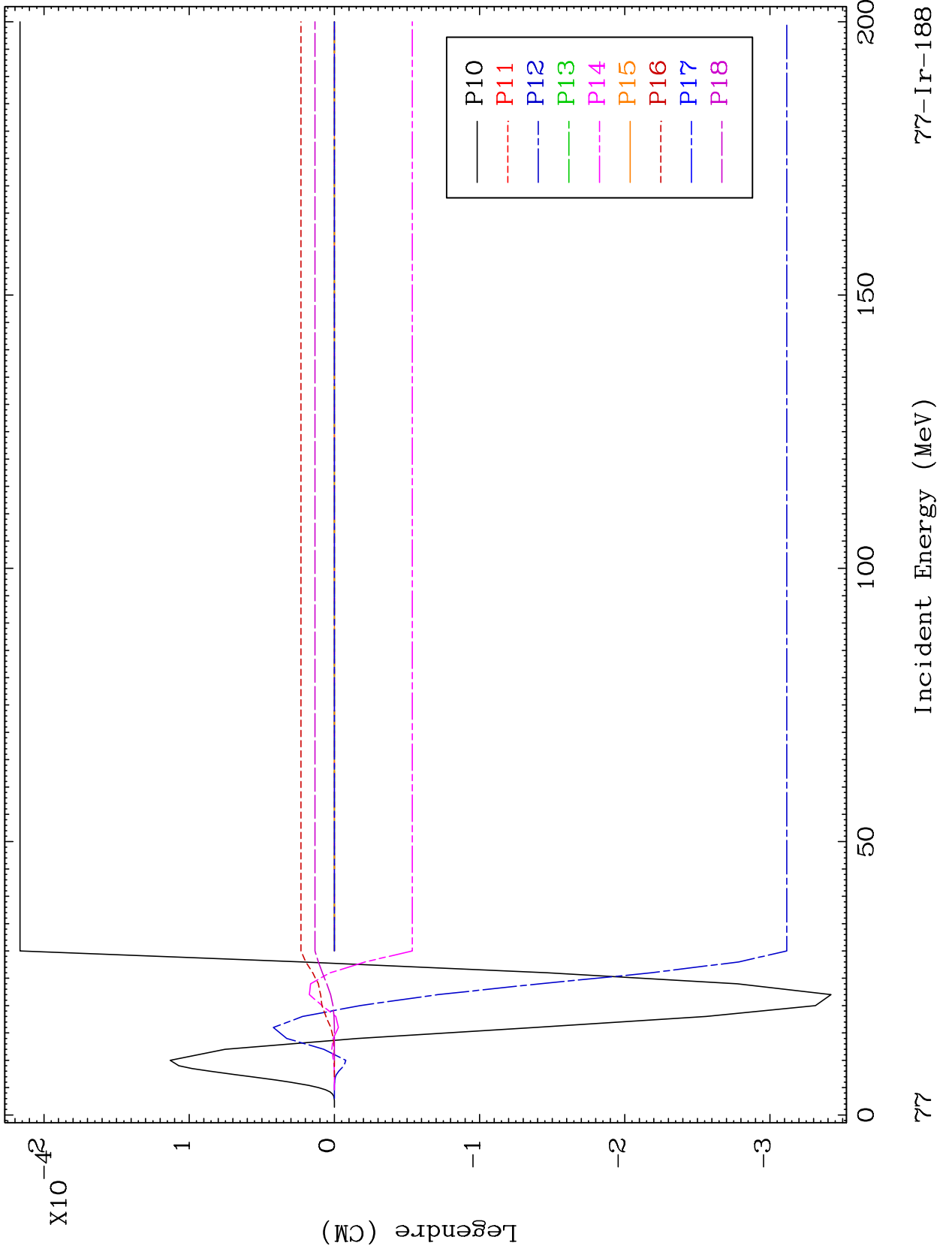
77-Ir-188



76

Incident Energy (MeV)

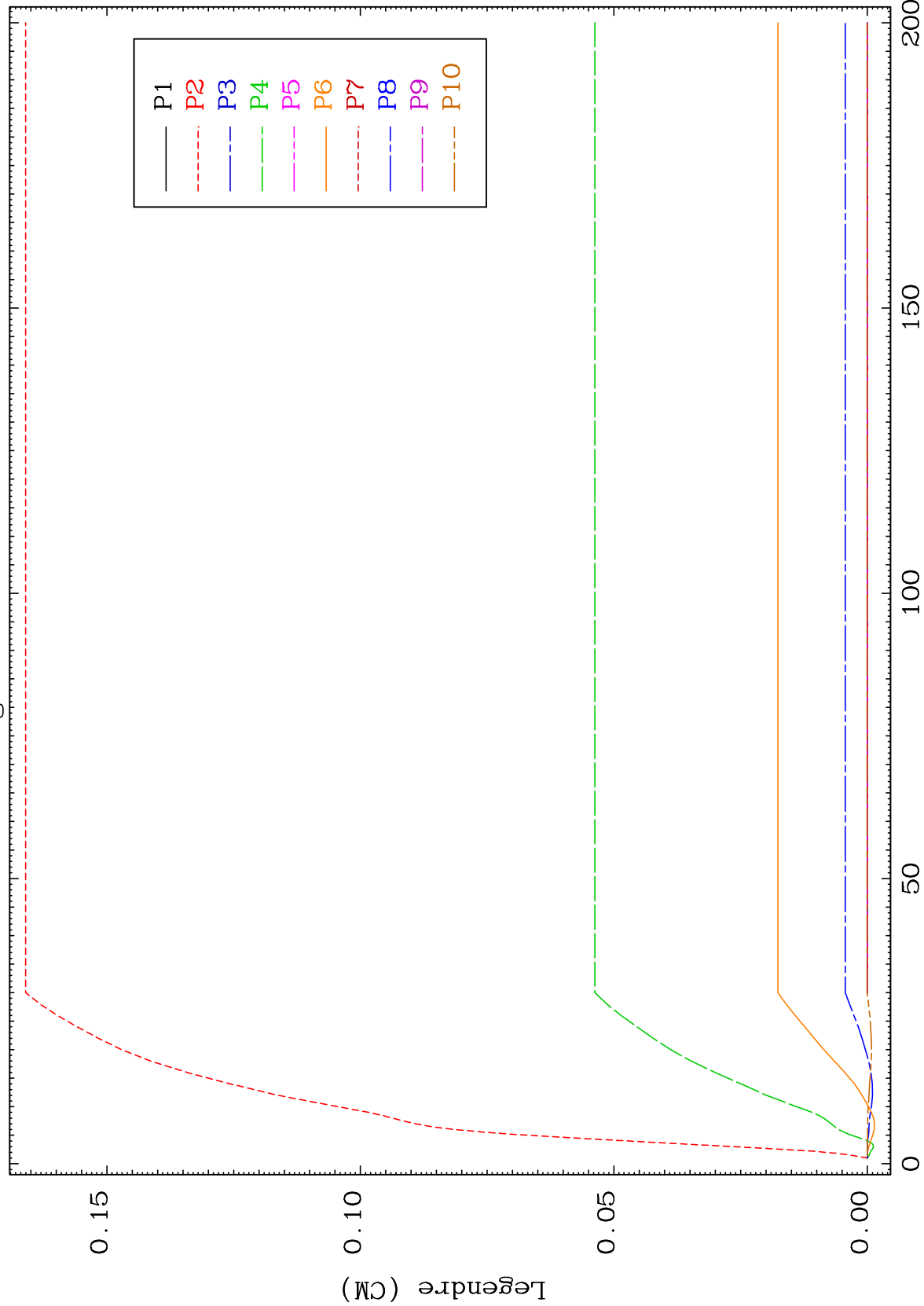
77-Ir-188



MAT 7716

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

77-Ir-188



79

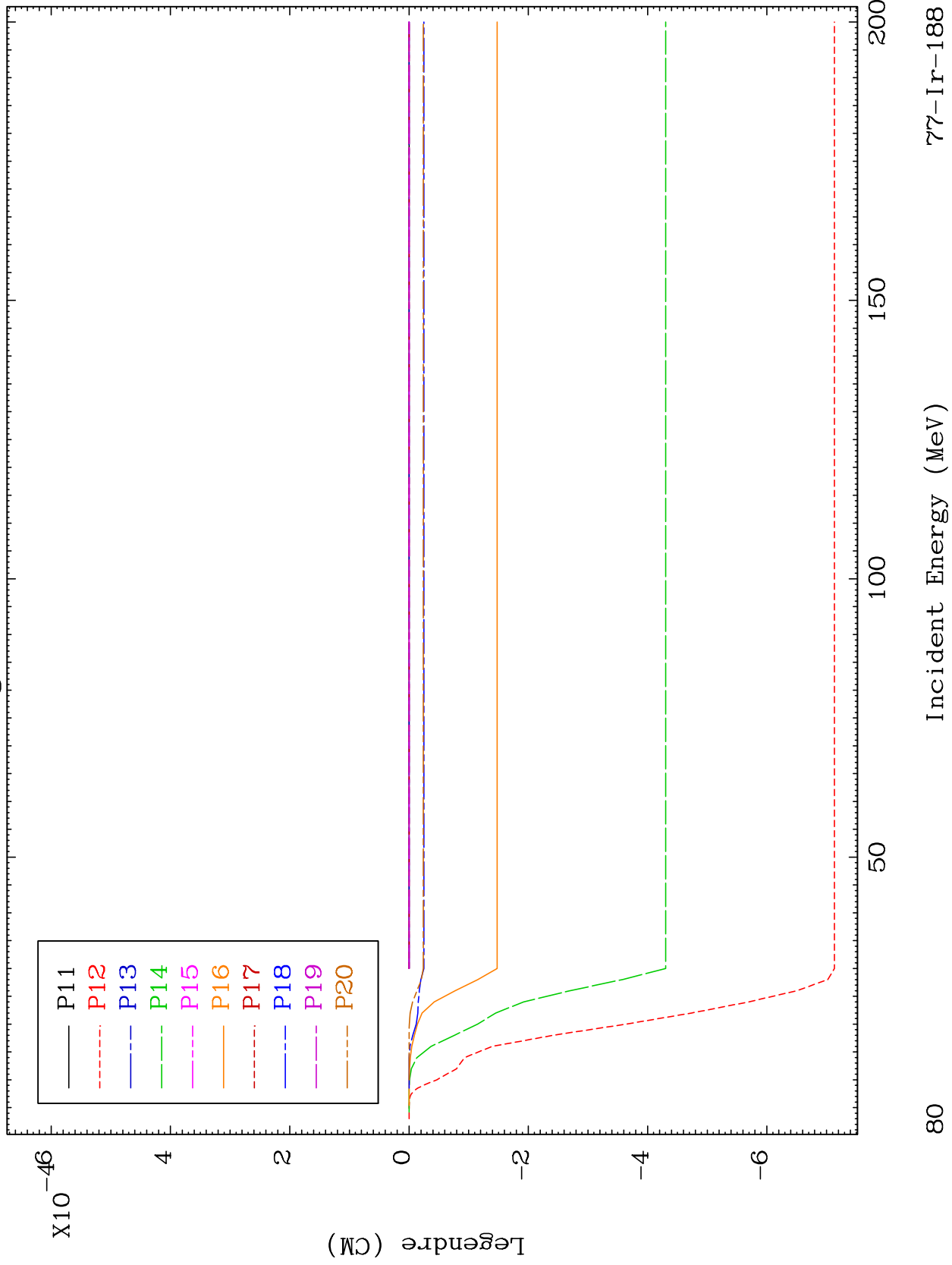
Incident Energy (MeV)

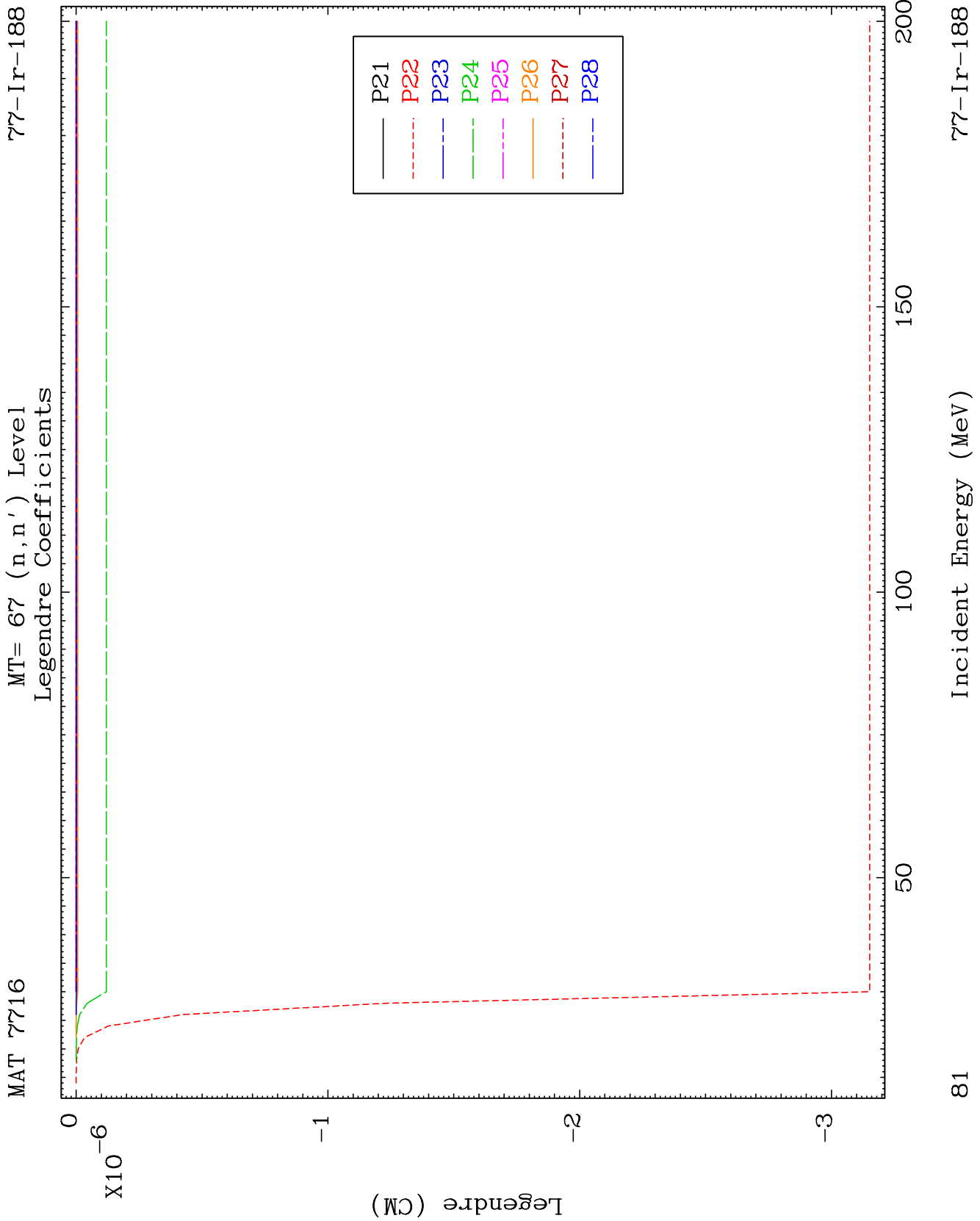
77-Ir-188

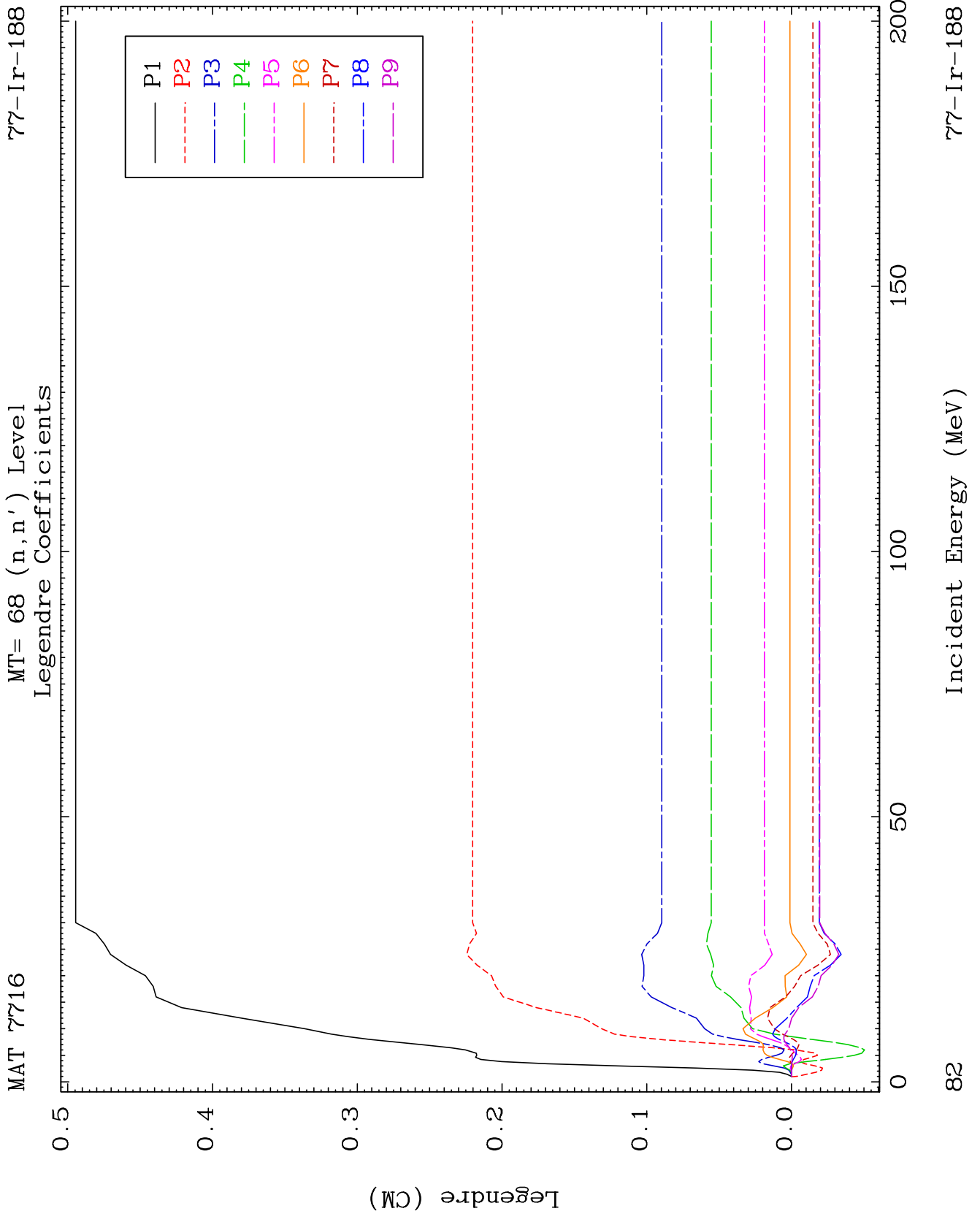
MAT 7716

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

77-Ir-188



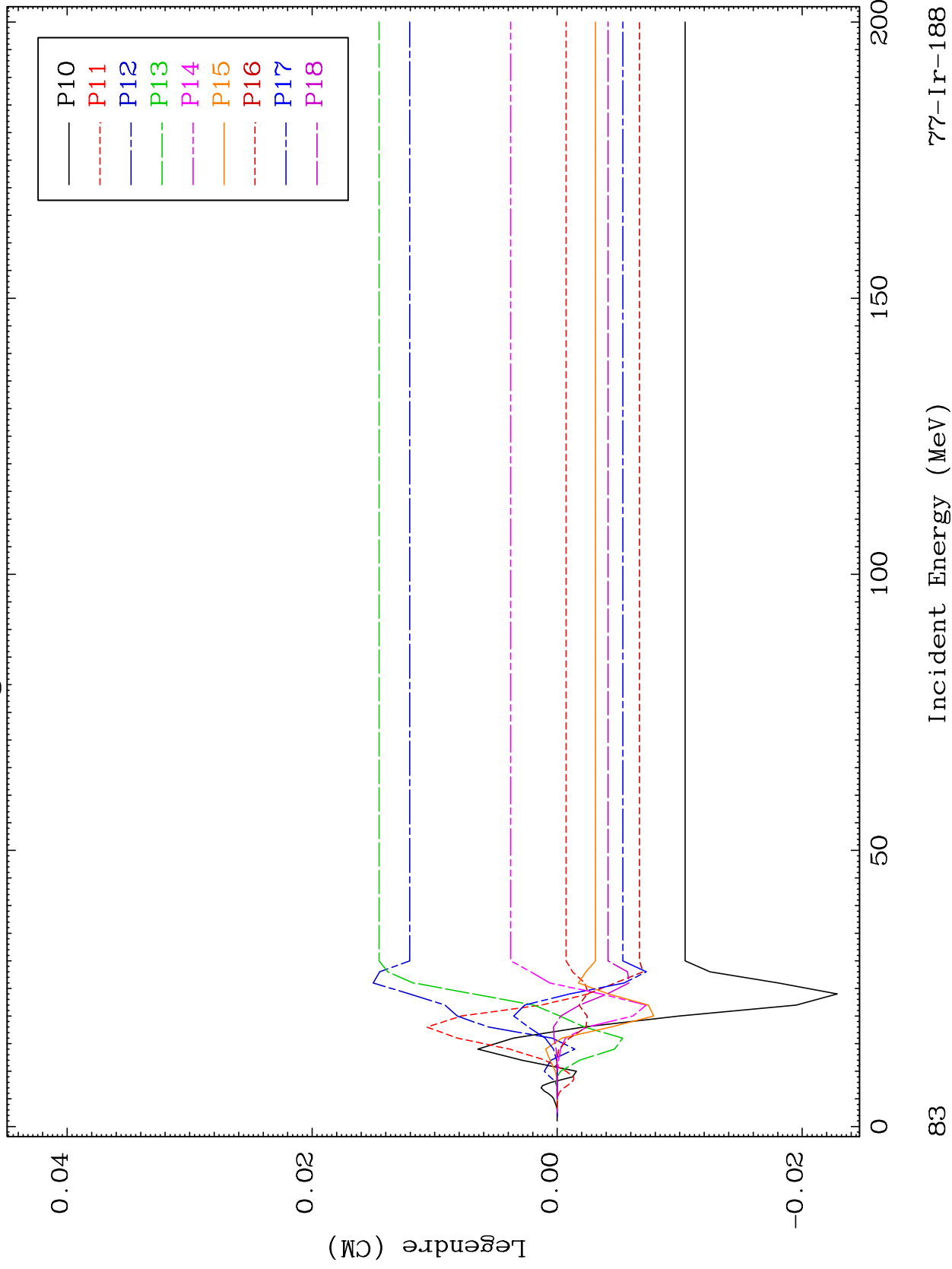




MAT 7716

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

77-Ir-188



83

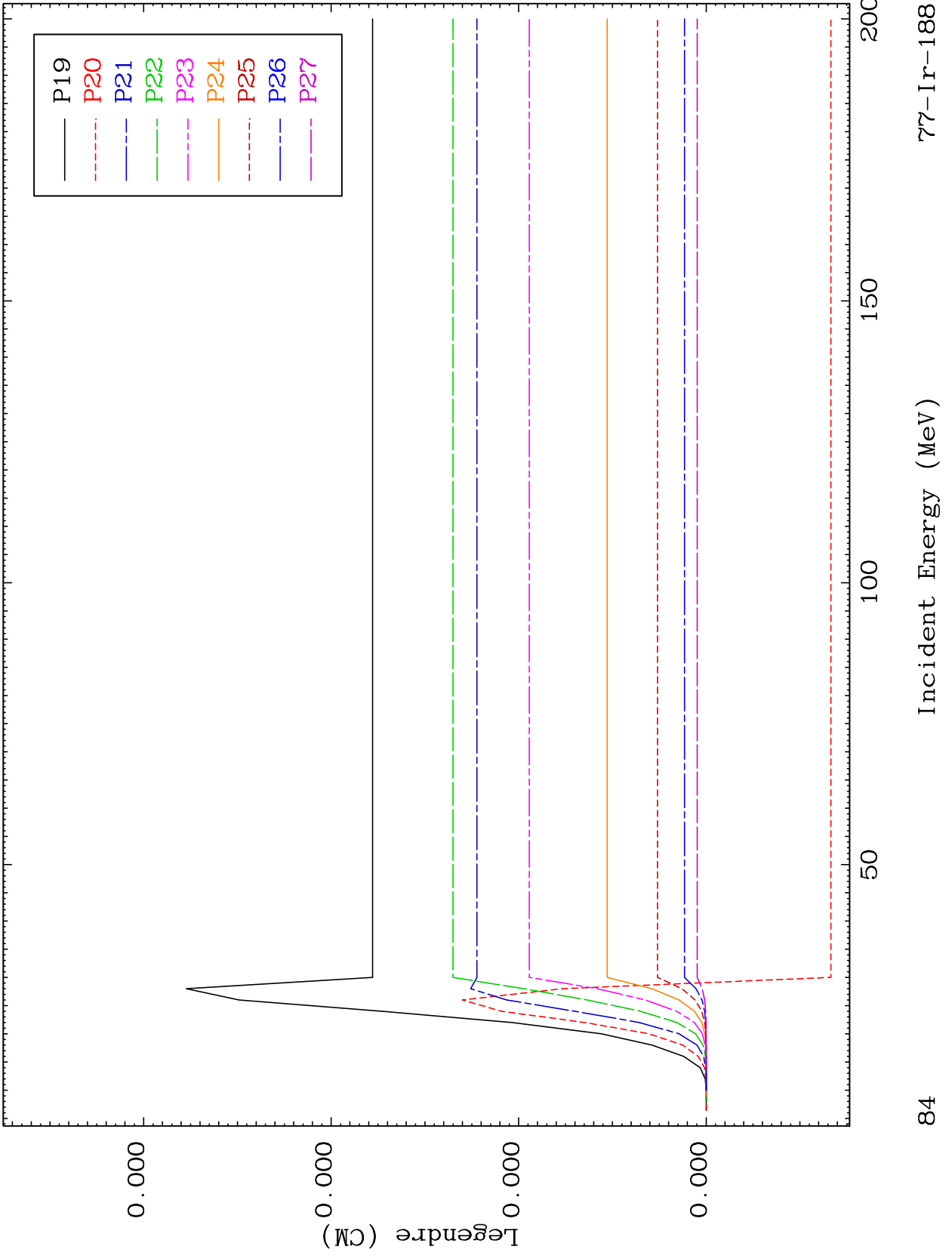
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



84

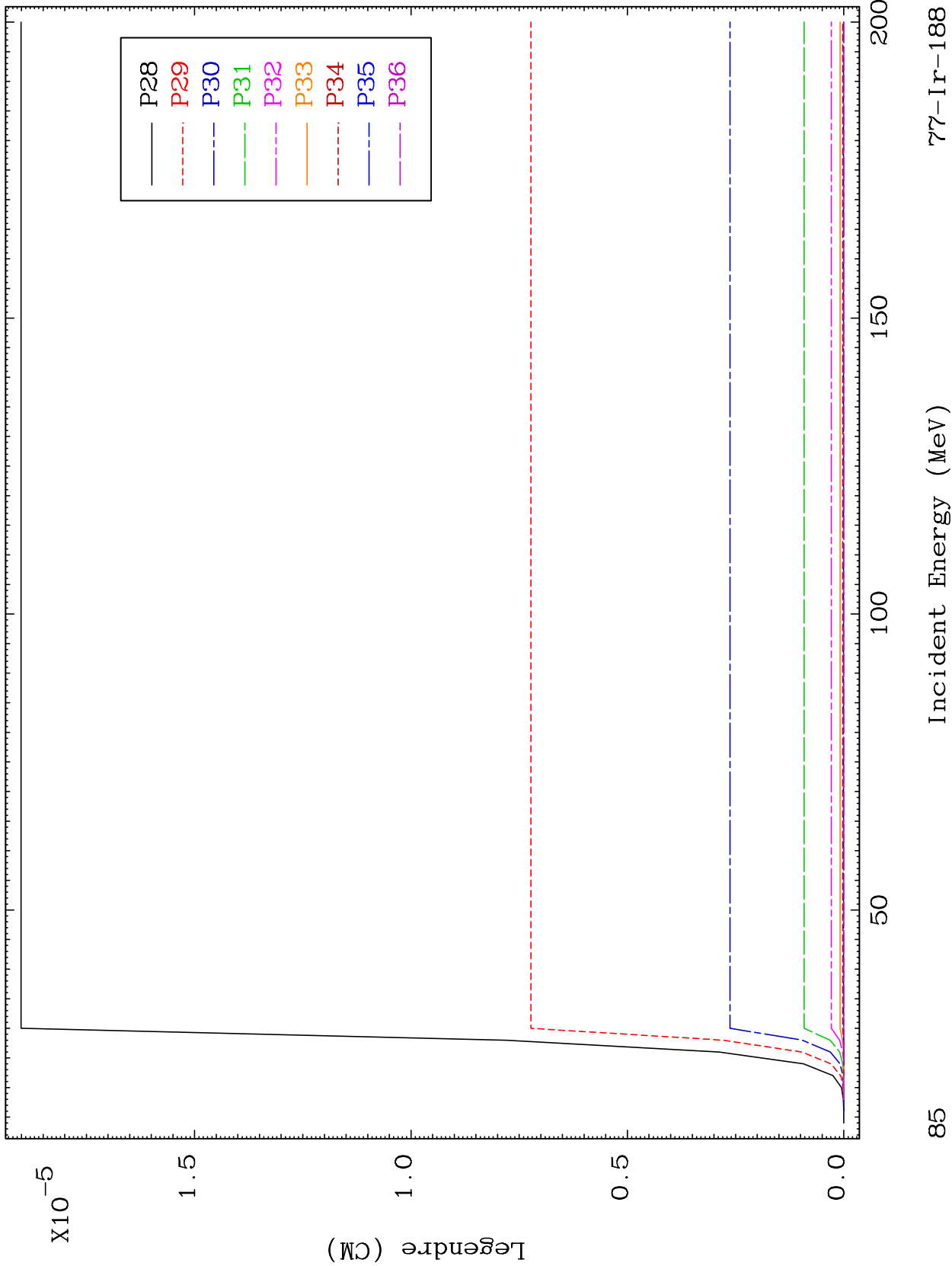
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



85

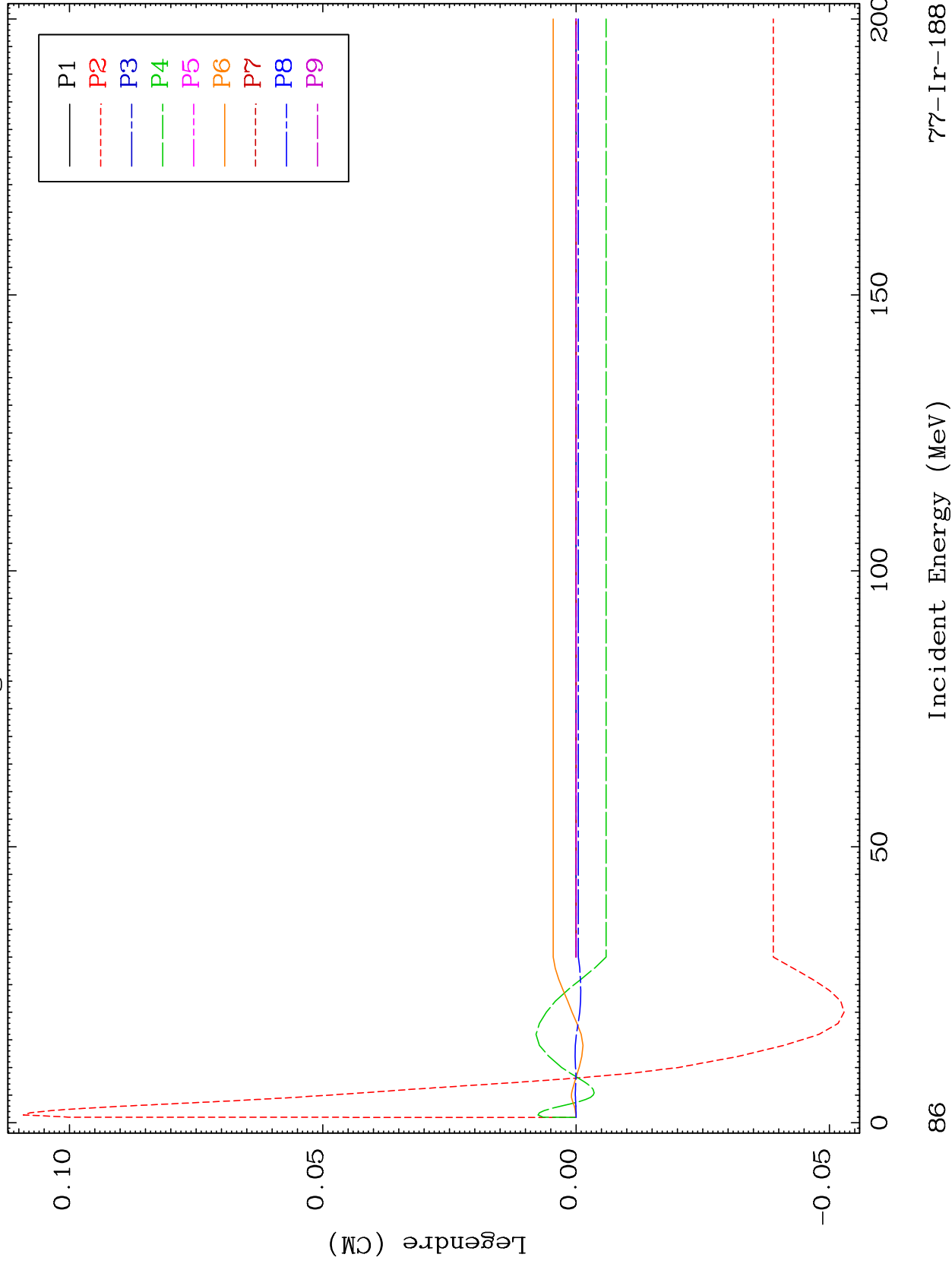
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



77-Ir-188

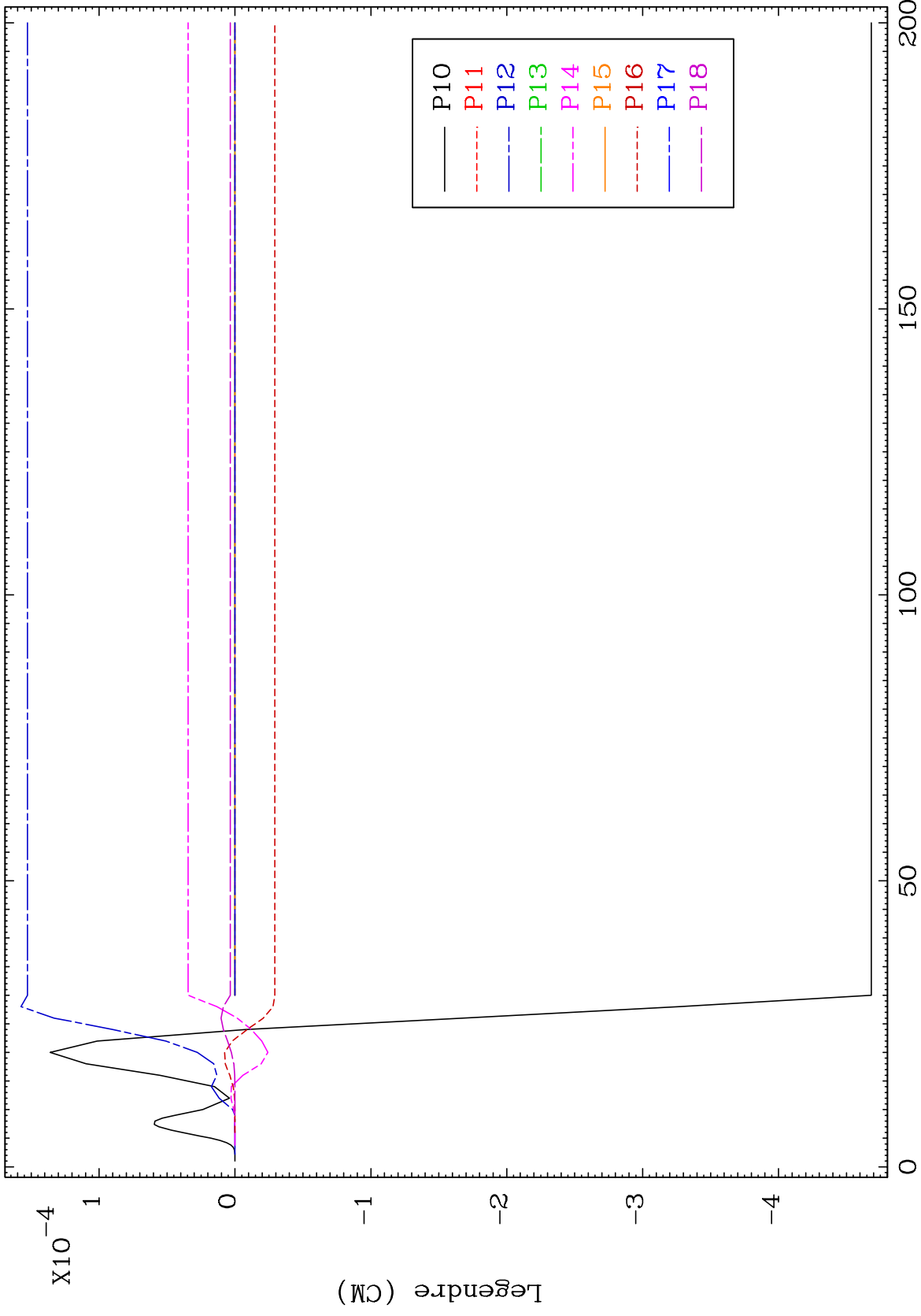
Incident Energy (MeV)

86

MAT 7716

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

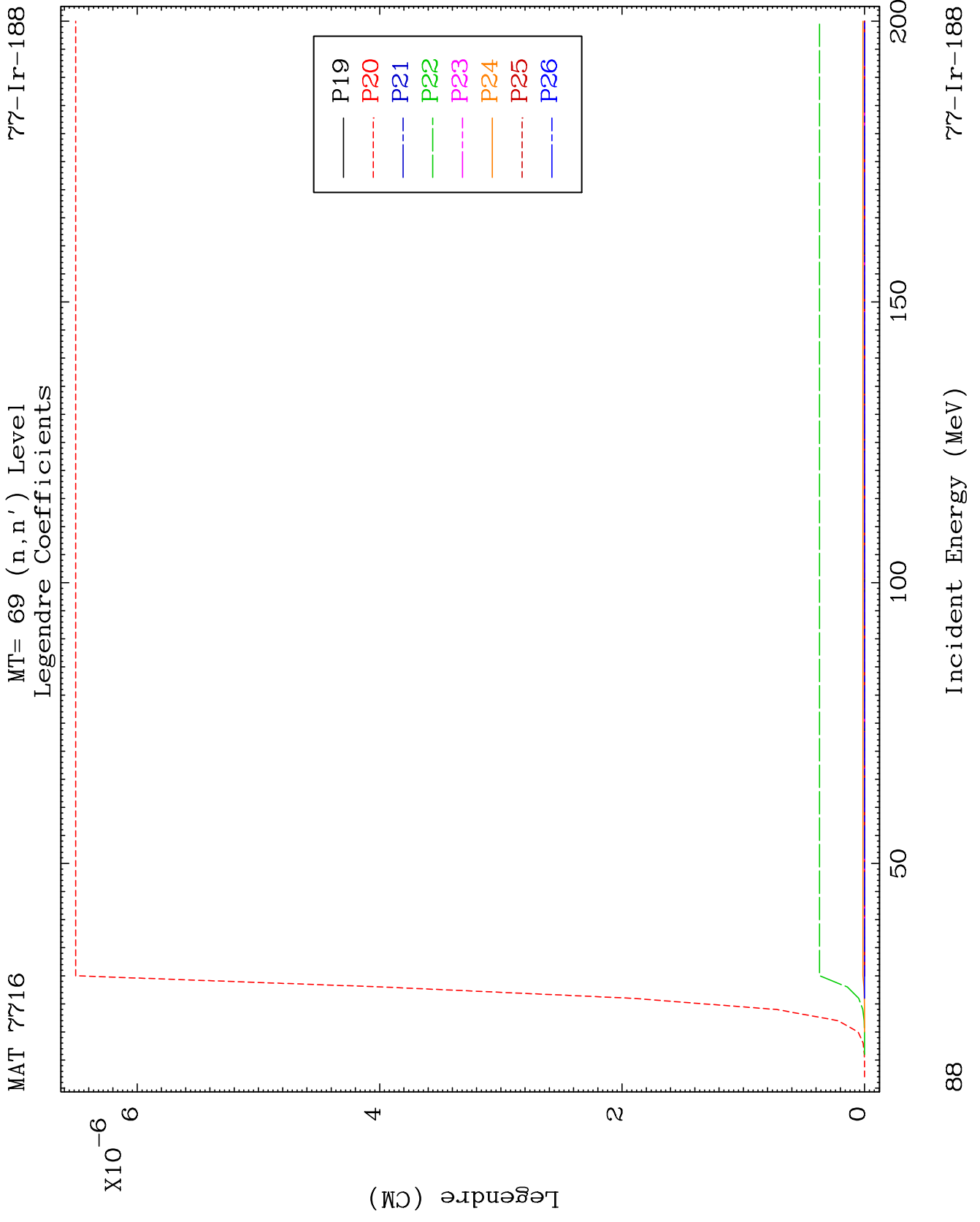
77-Ir-188



87

Incident Energy (MeV)

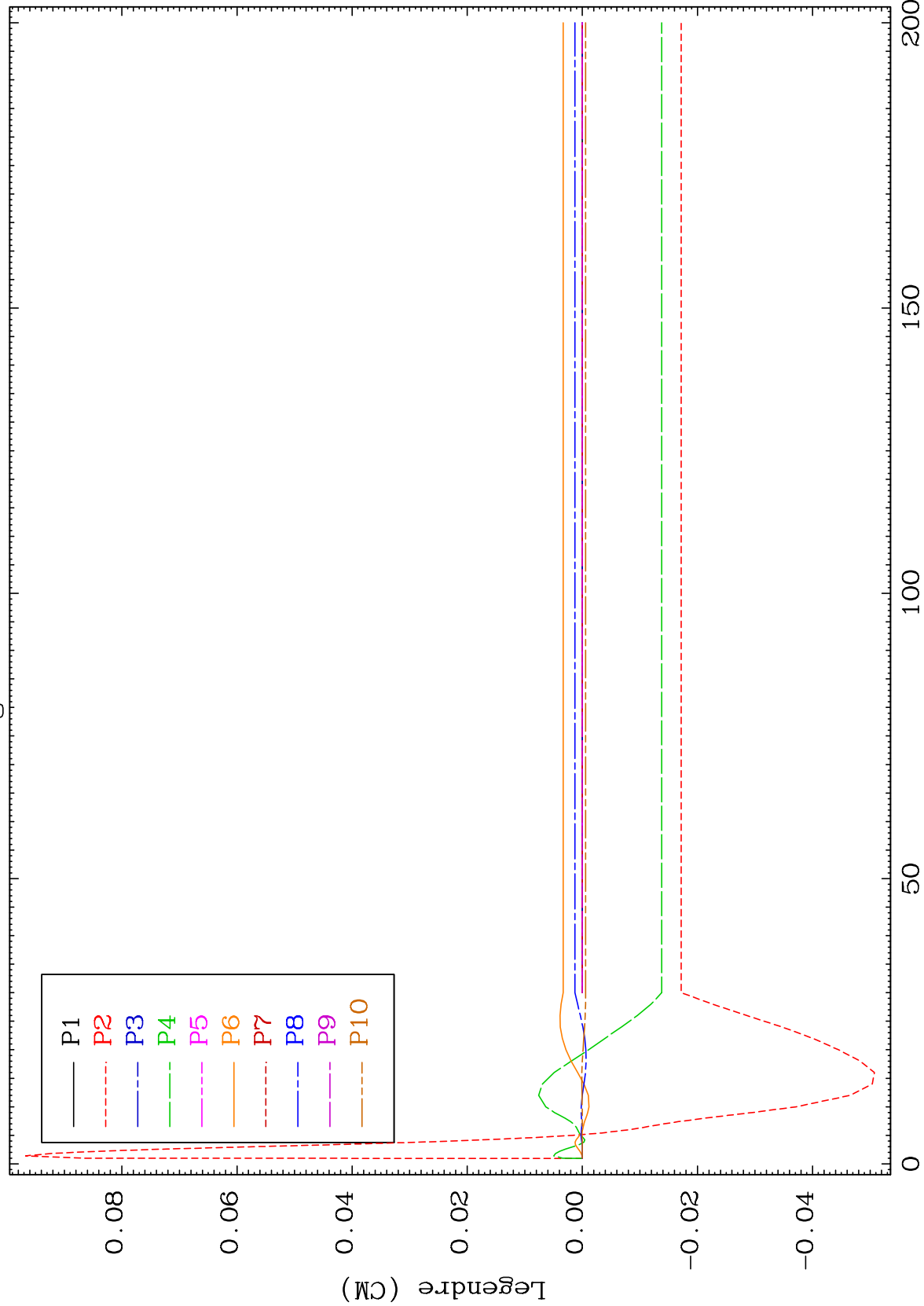
77-Ir-188



MAT 7716

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

77-Ir-188



89

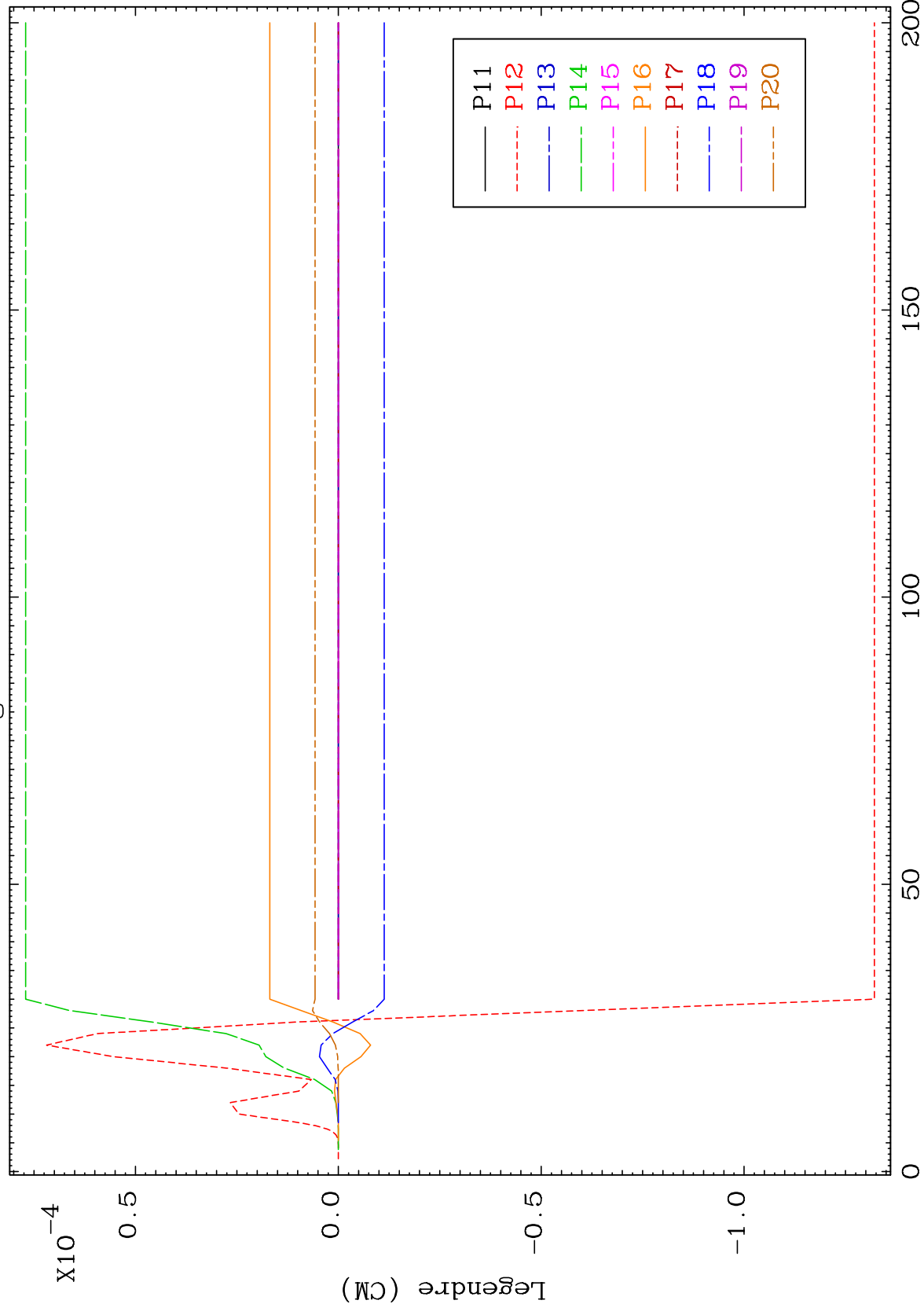
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

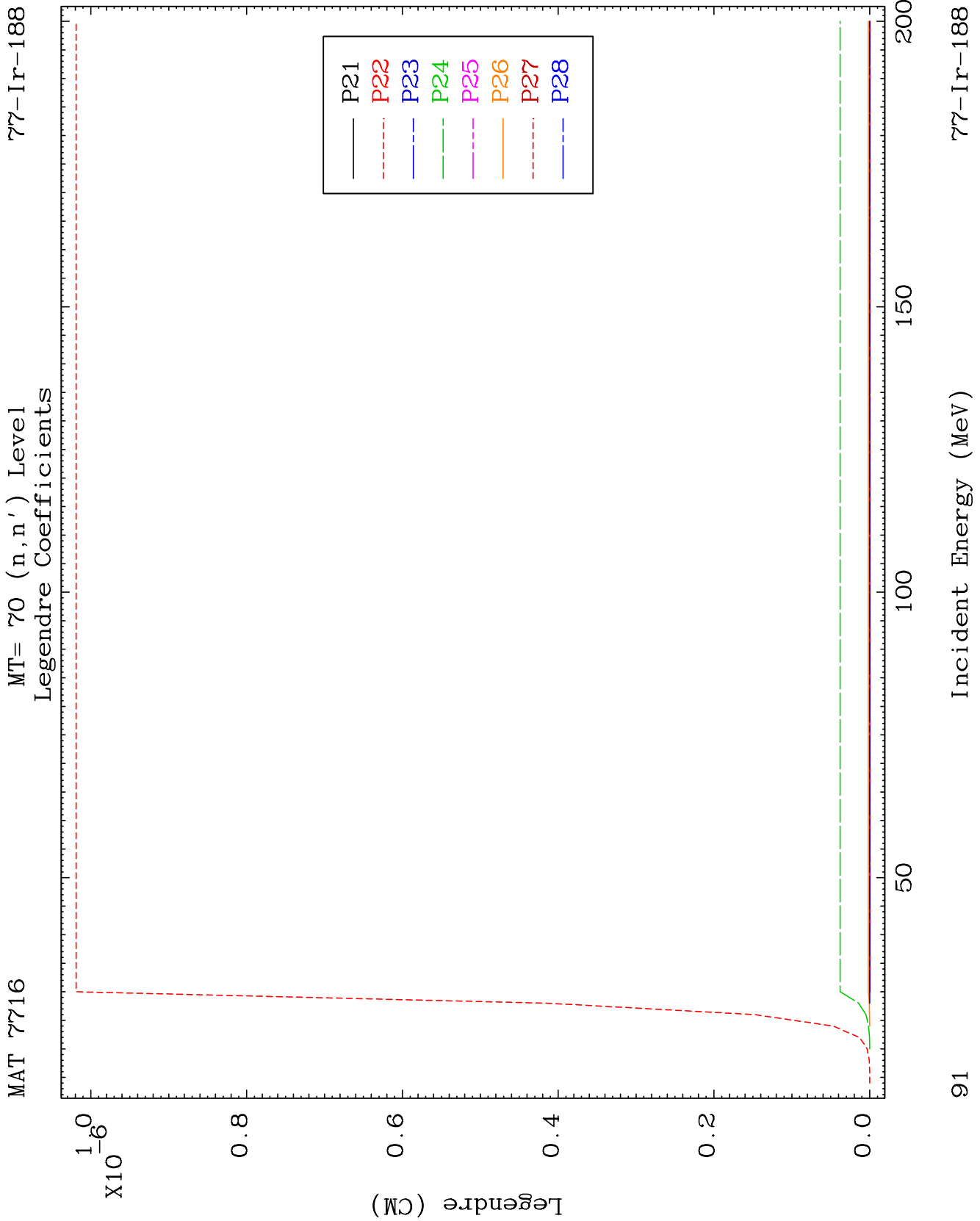
77-Ir-188



90

Incident Energy (MeV)

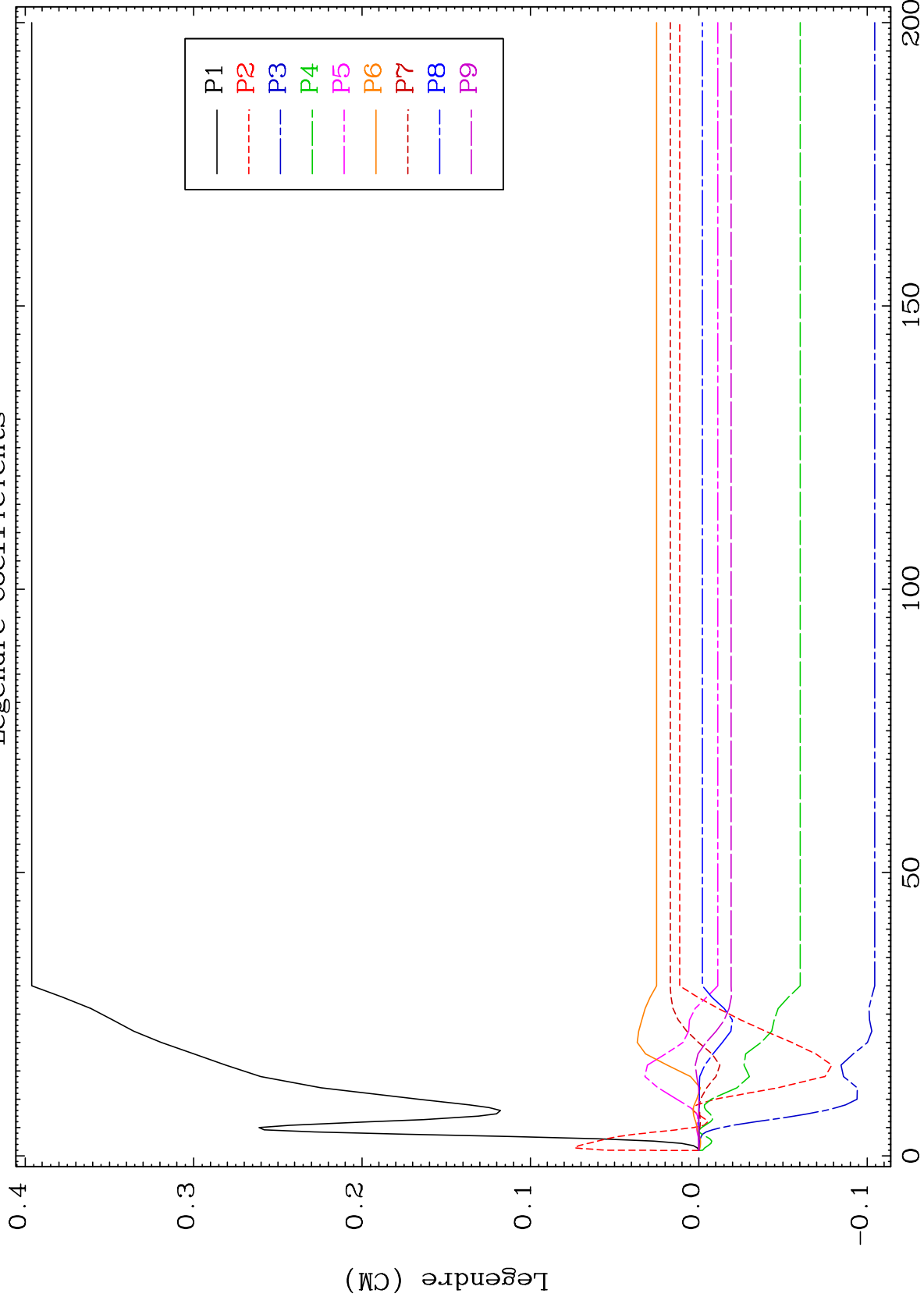
77-Ir-188



MAT 7716

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

77-Ir-188



92

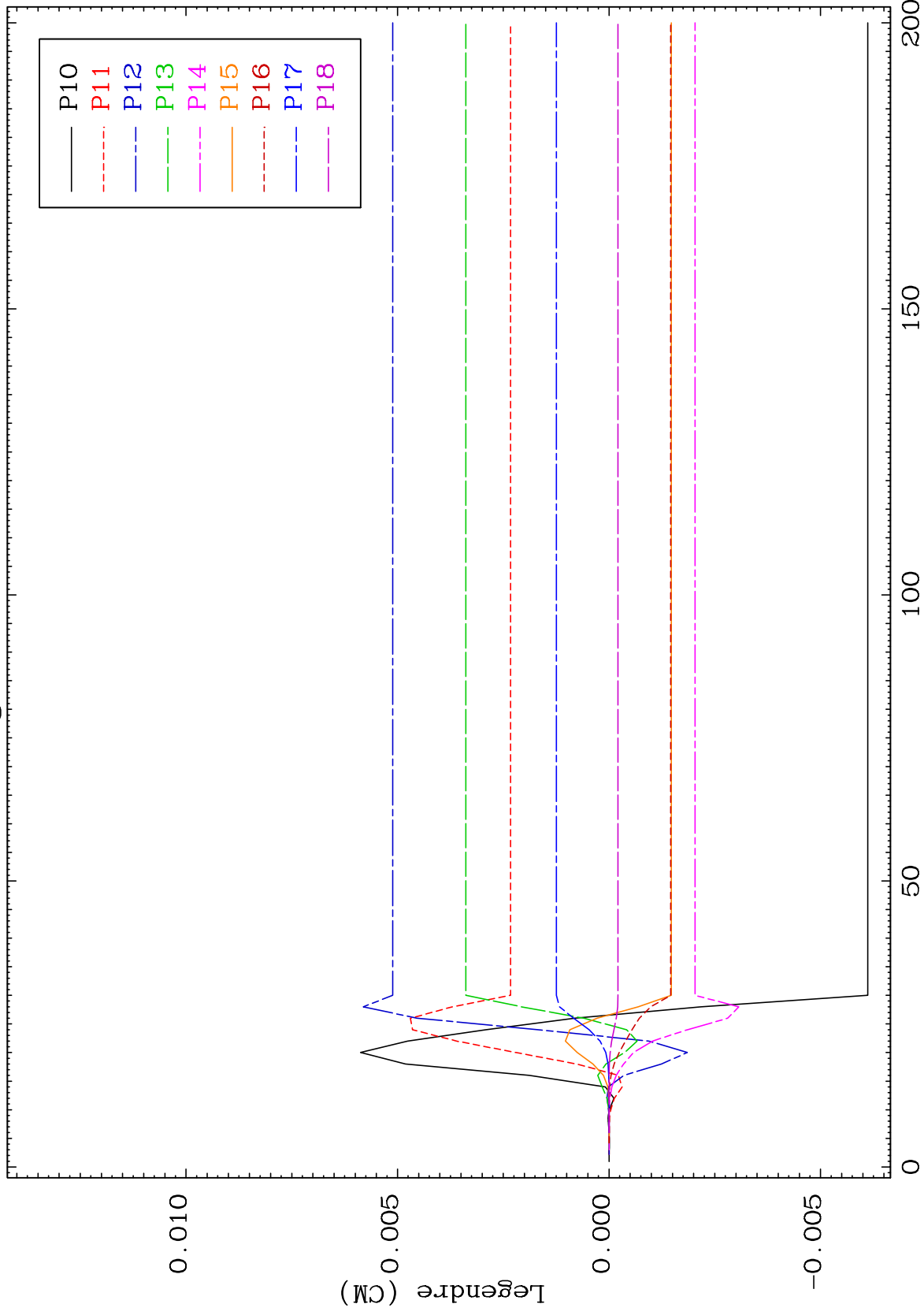
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

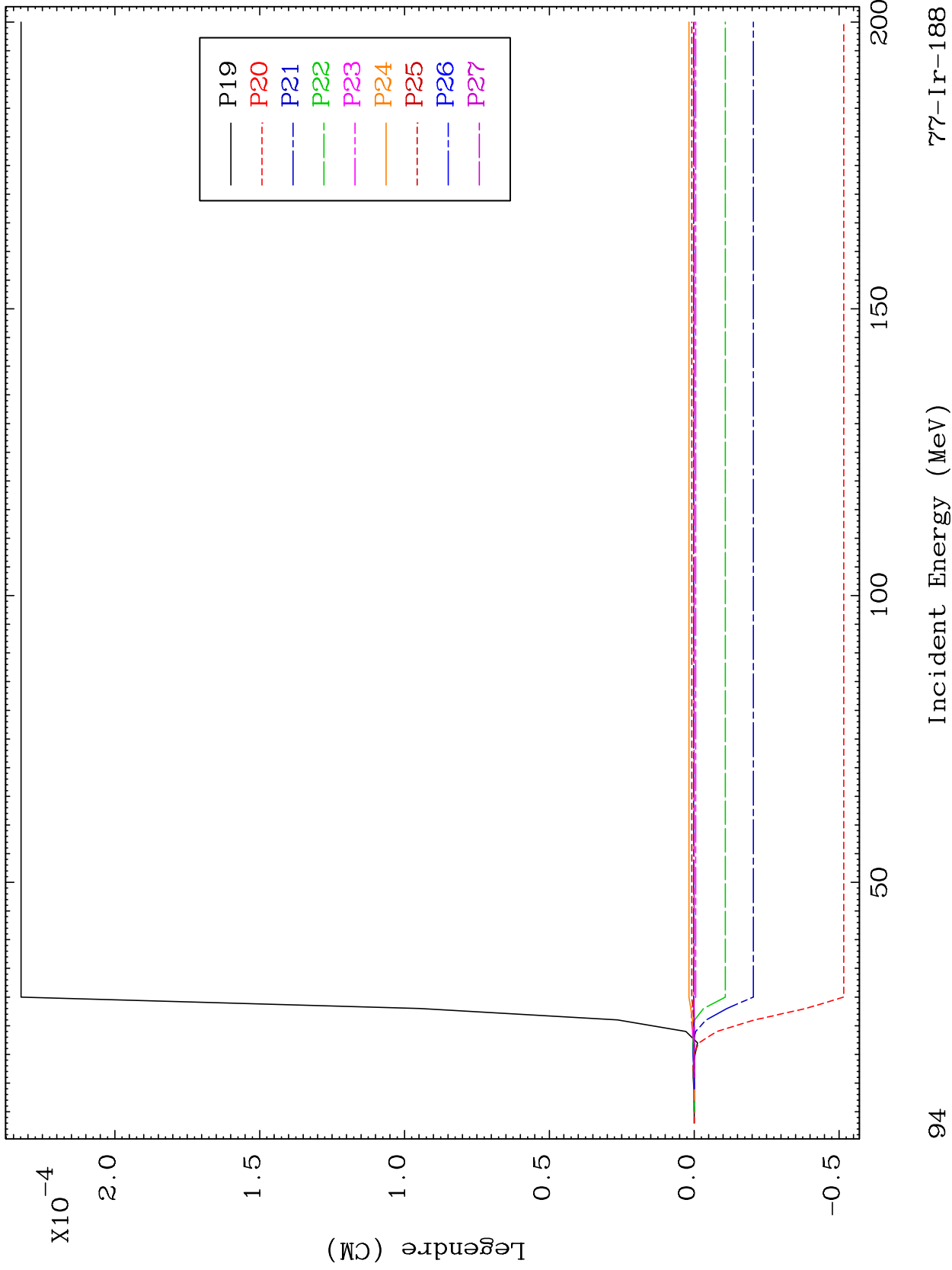
77-Ir-188



93

Incident Energy (MeV)

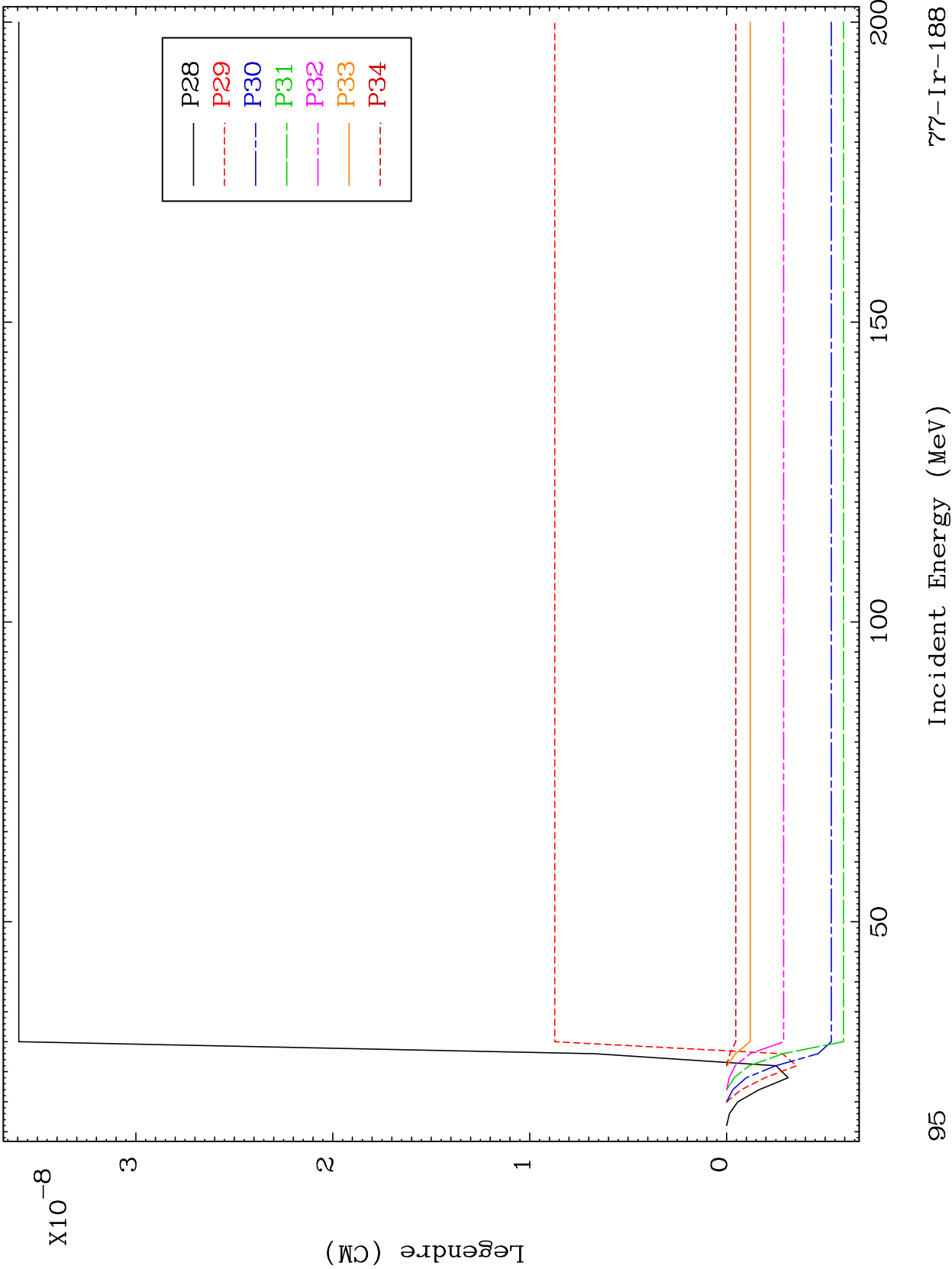
77-Ir-188



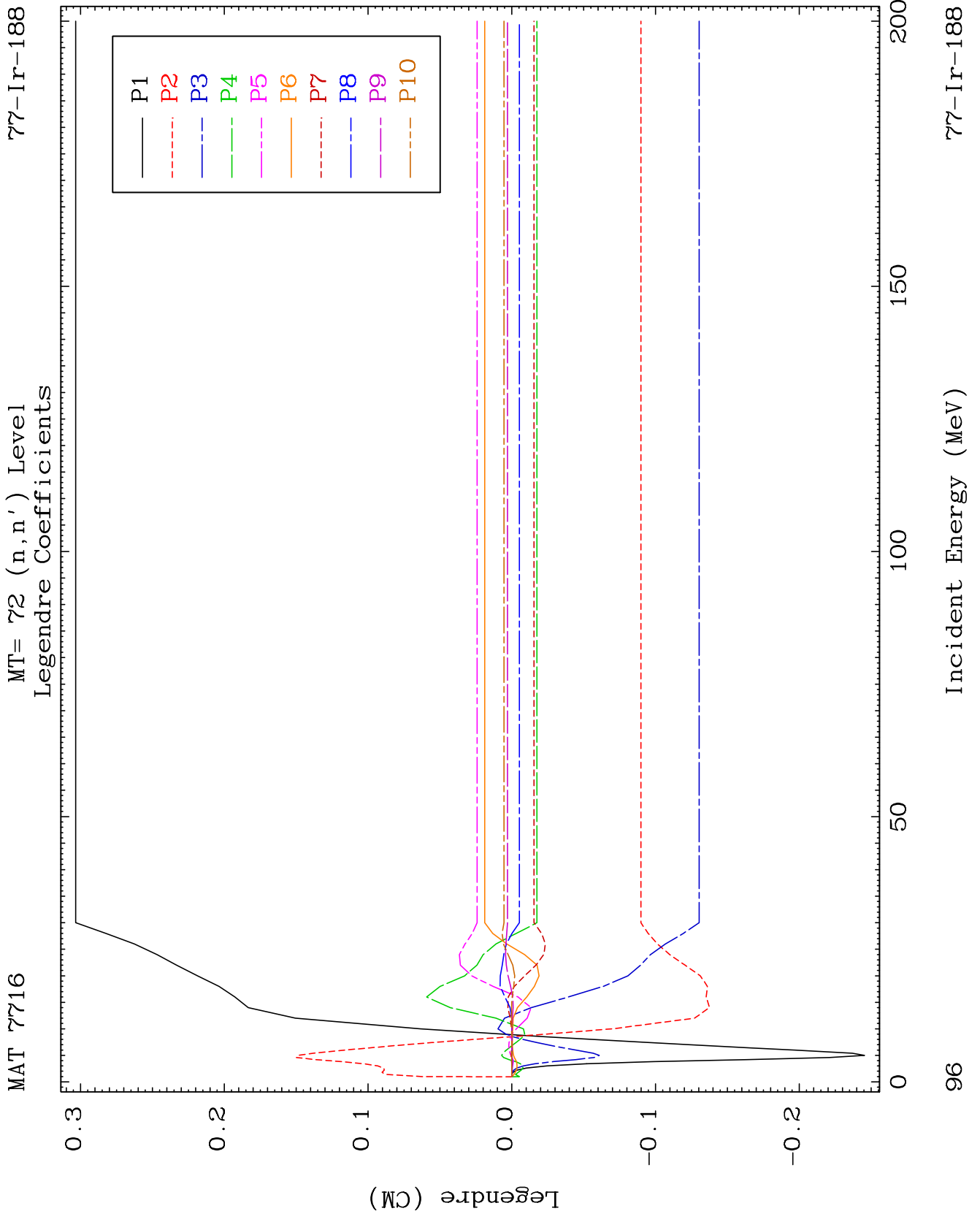
MAT 7716

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

77-Ir-188



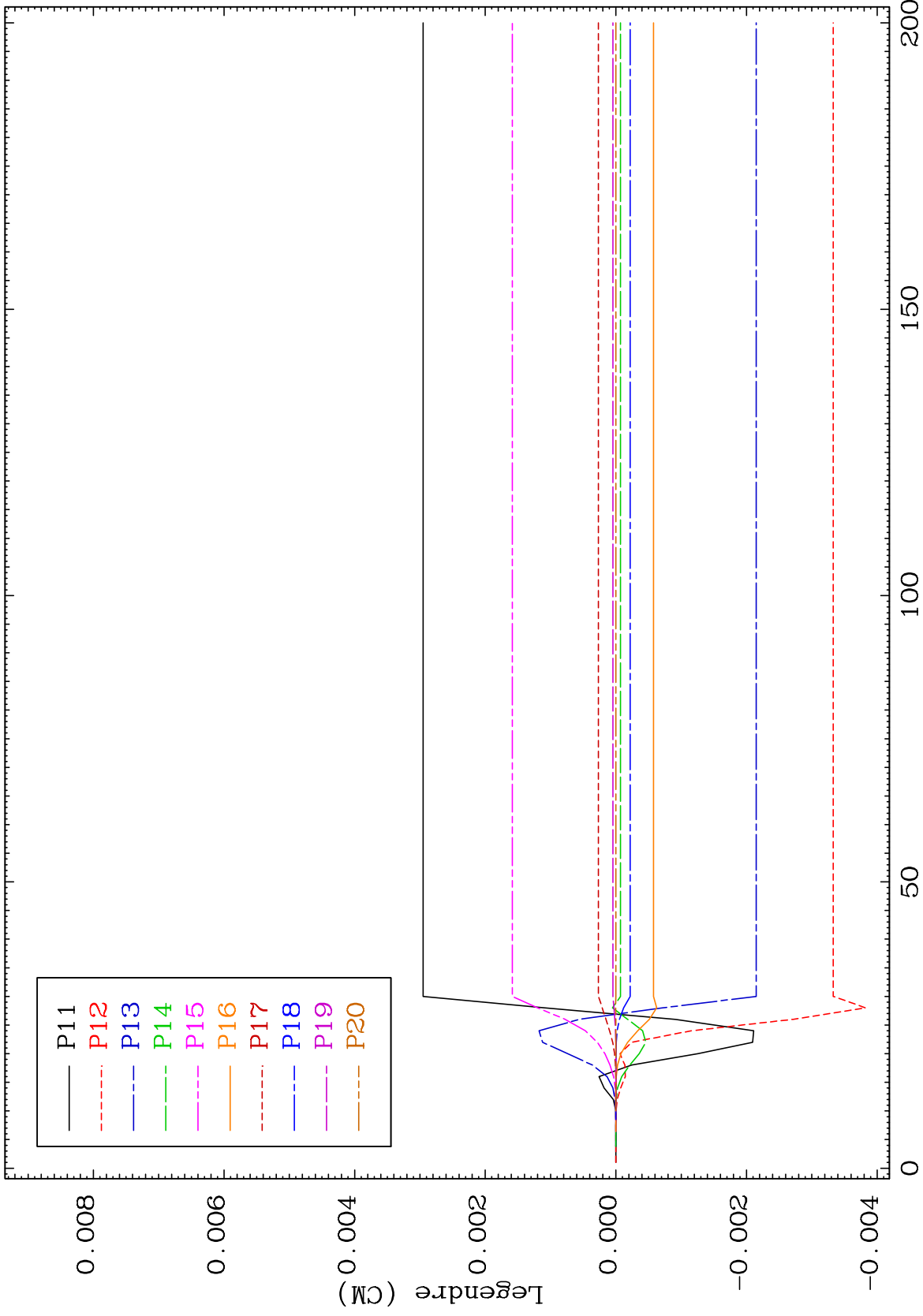
95



MAT 7716

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

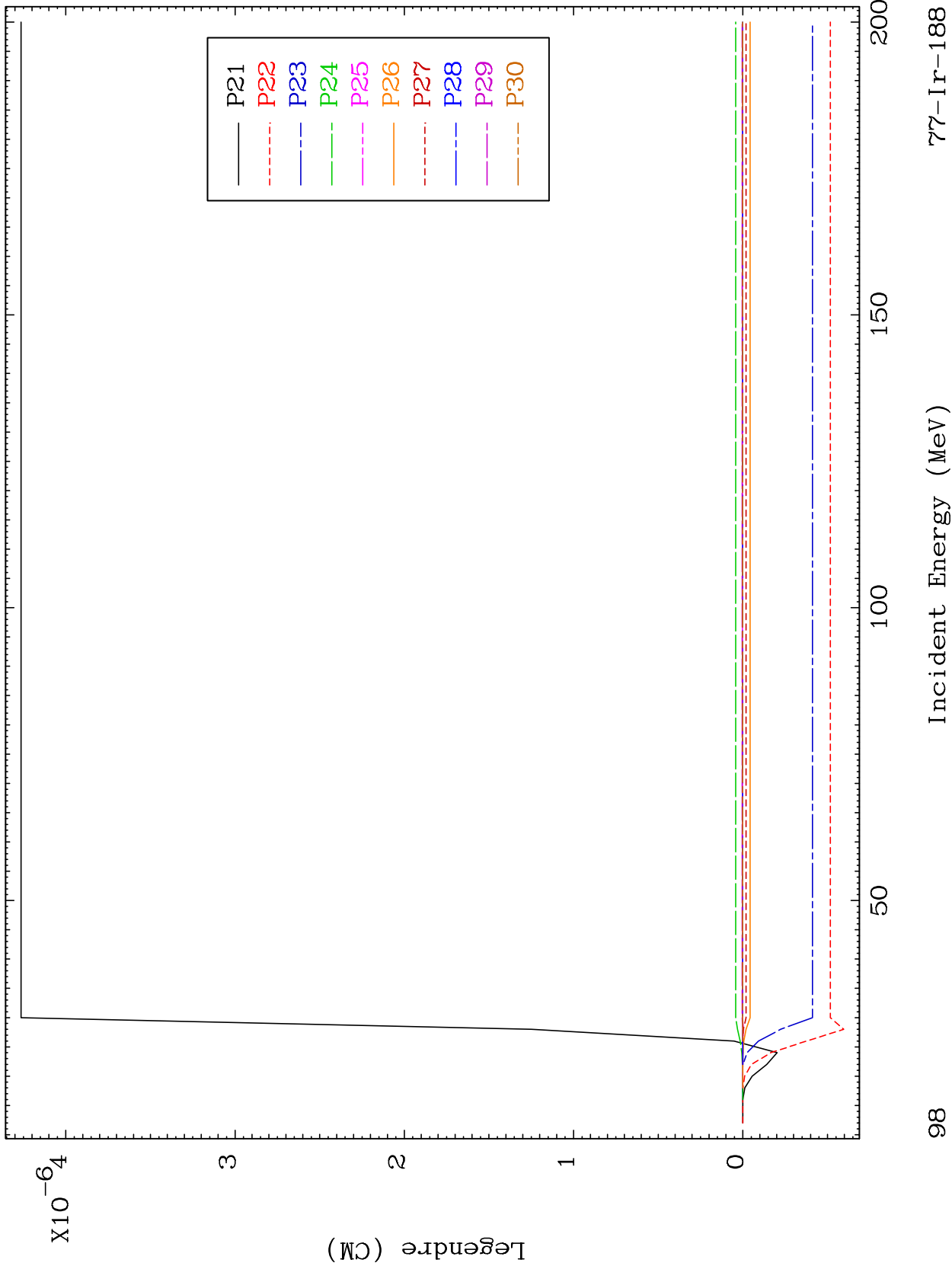
77-Ir-188



97

Incident Energy (MeV)

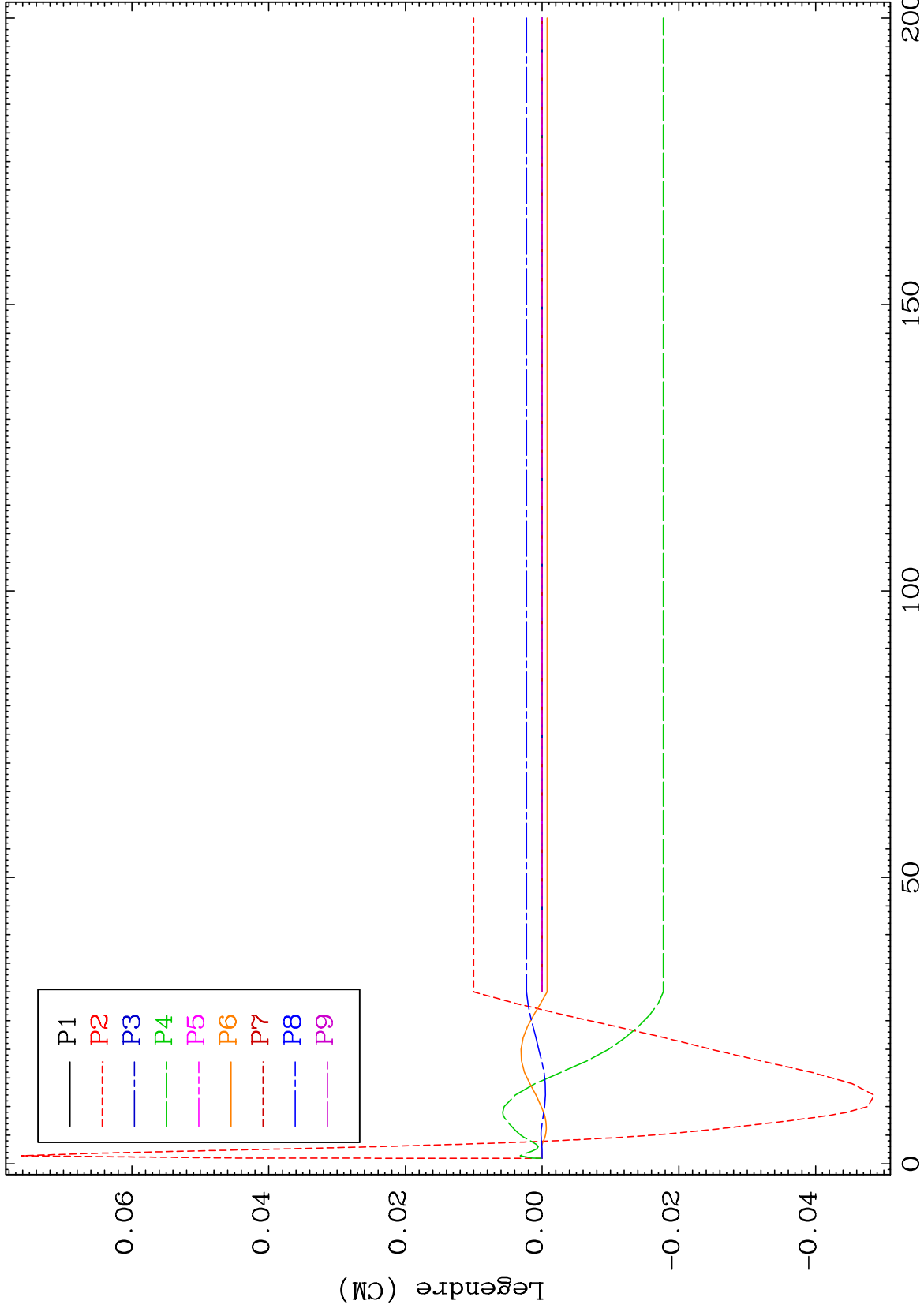
77-Ir-188



MAT 7716

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

77-Ir-188



99

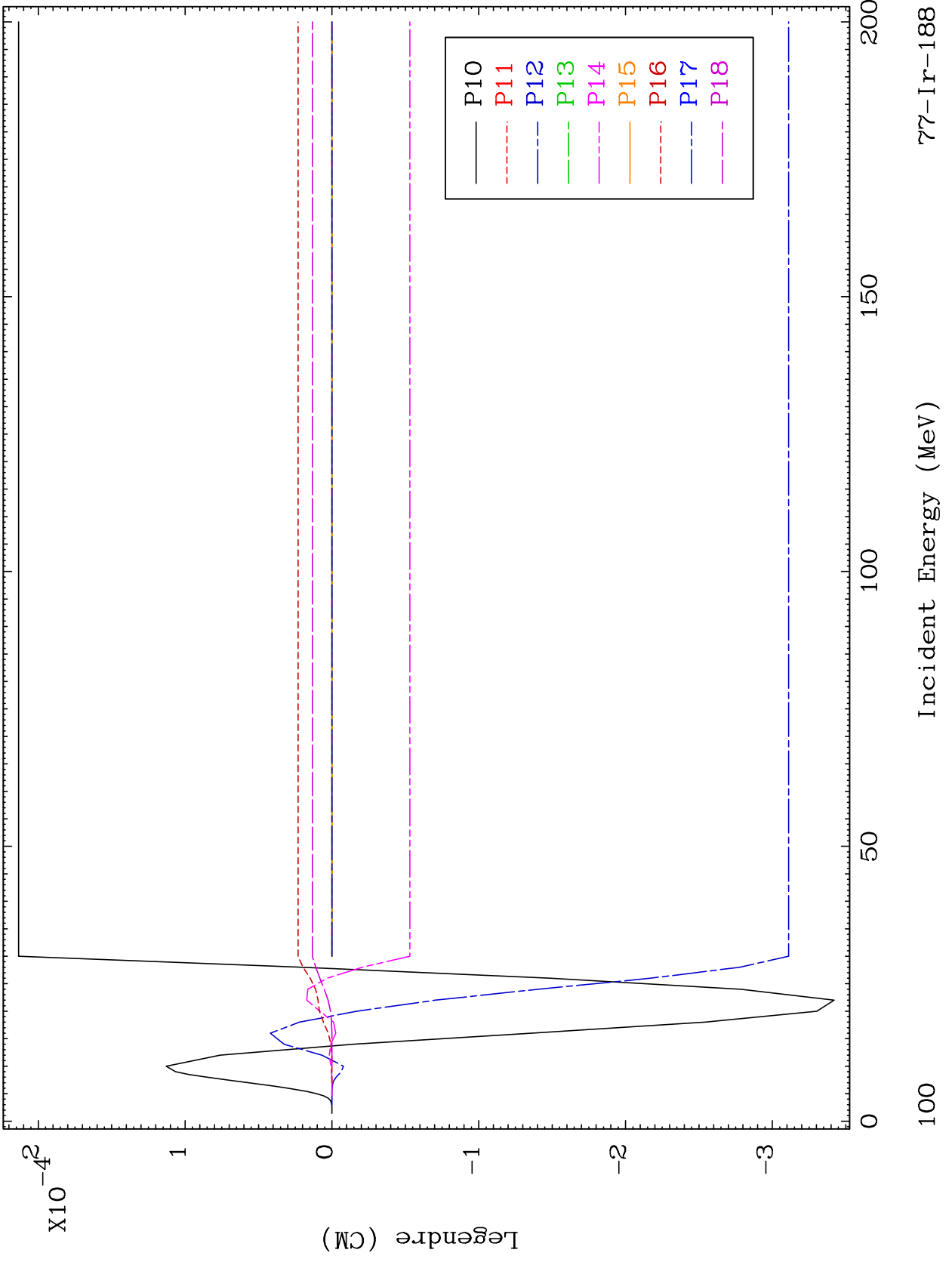
Incident Energy (MeV)

77-Ir-188

MAT 7716

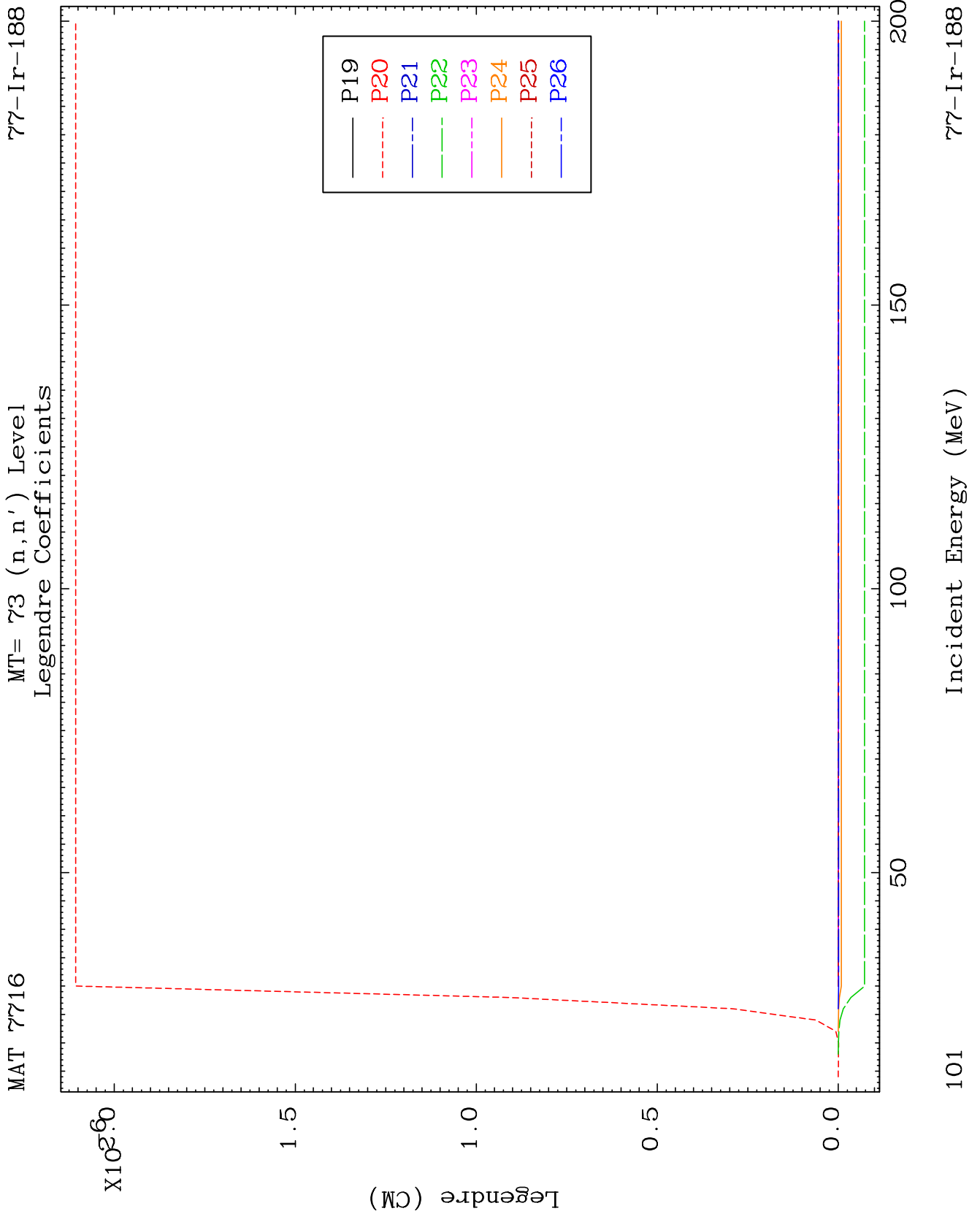
MT= 73 (n,n') Level
Legendre Coefficients

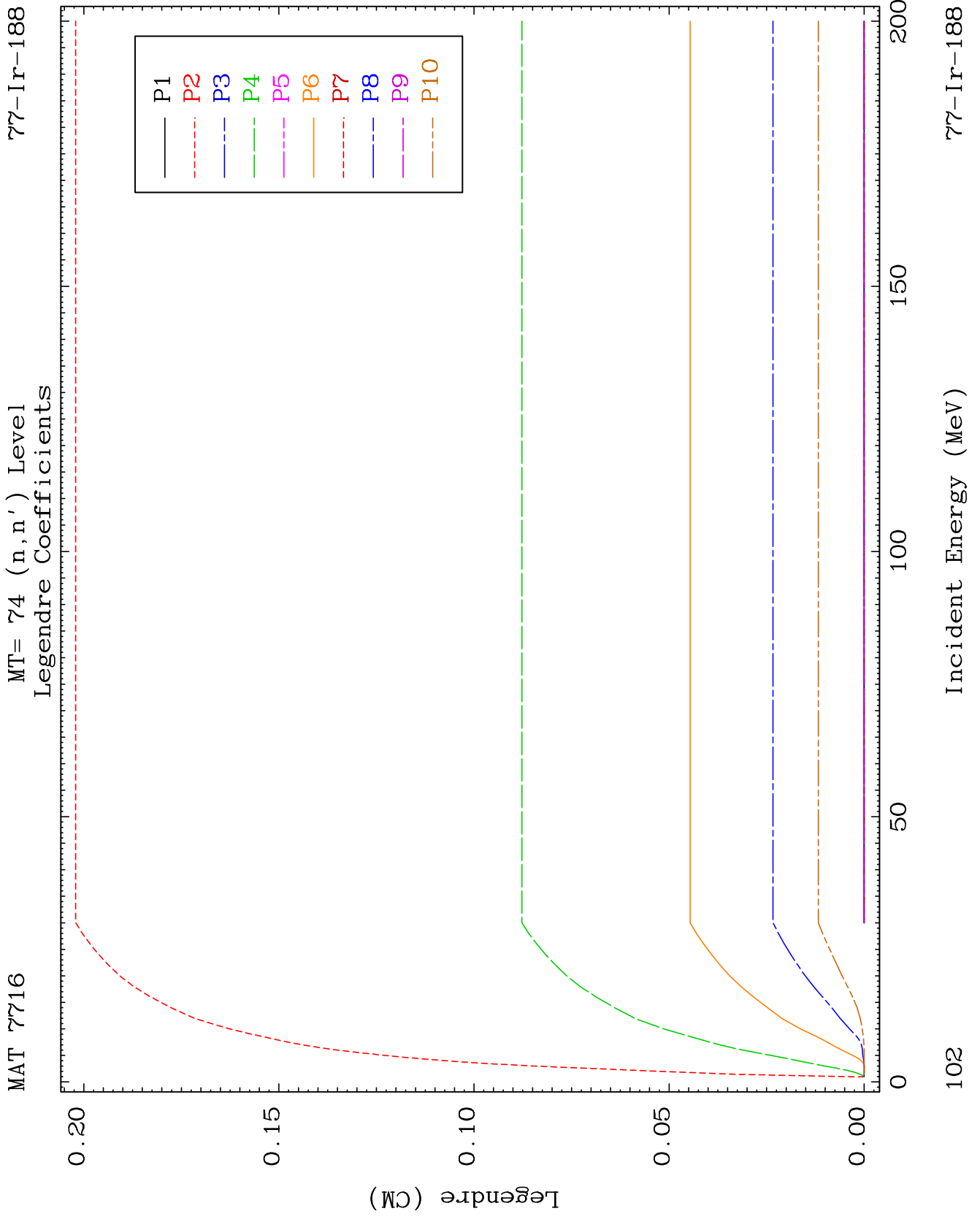
77-Ir-188



77-Ir-188

Incident Energy (MeV)

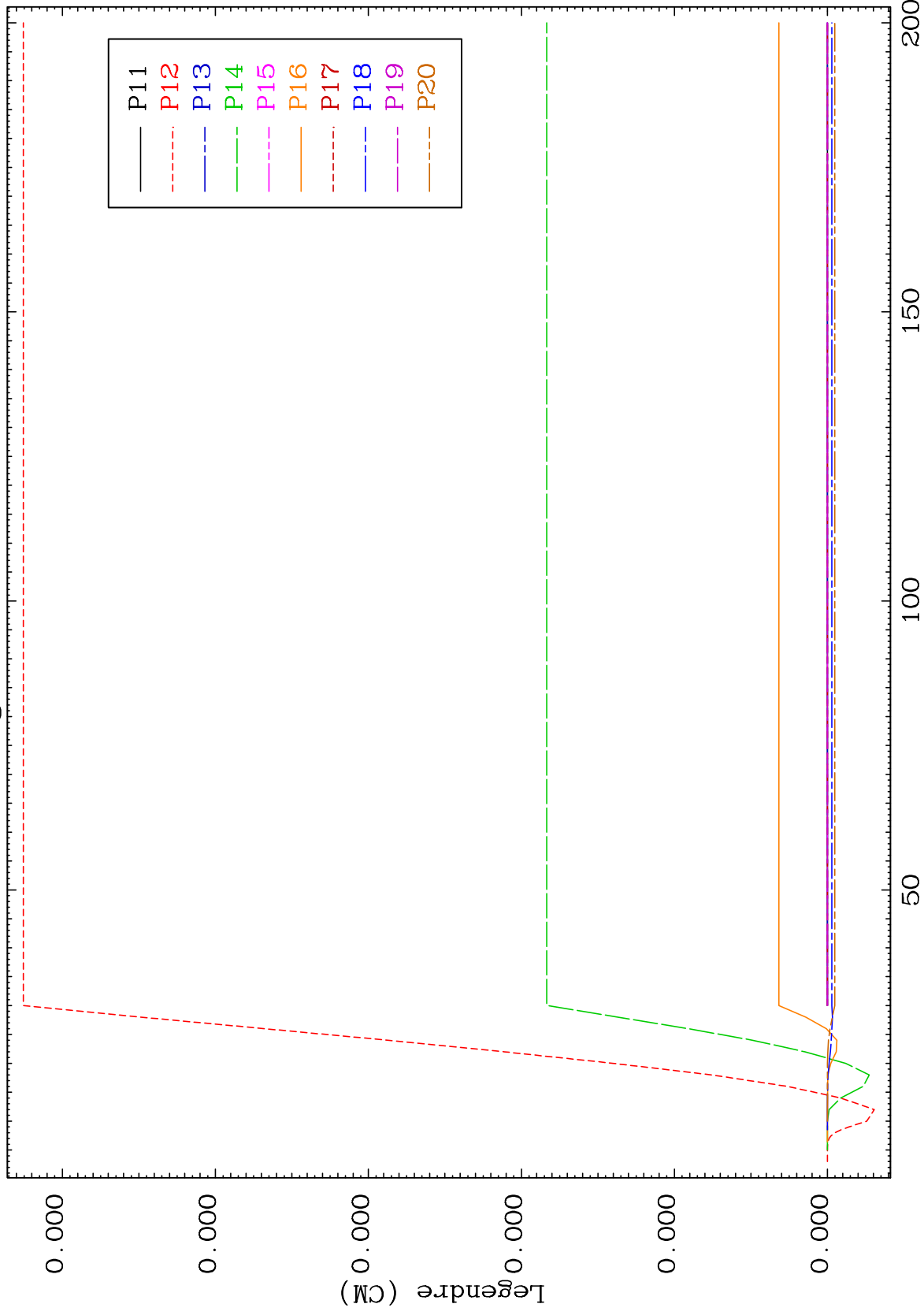




MAT 7716

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

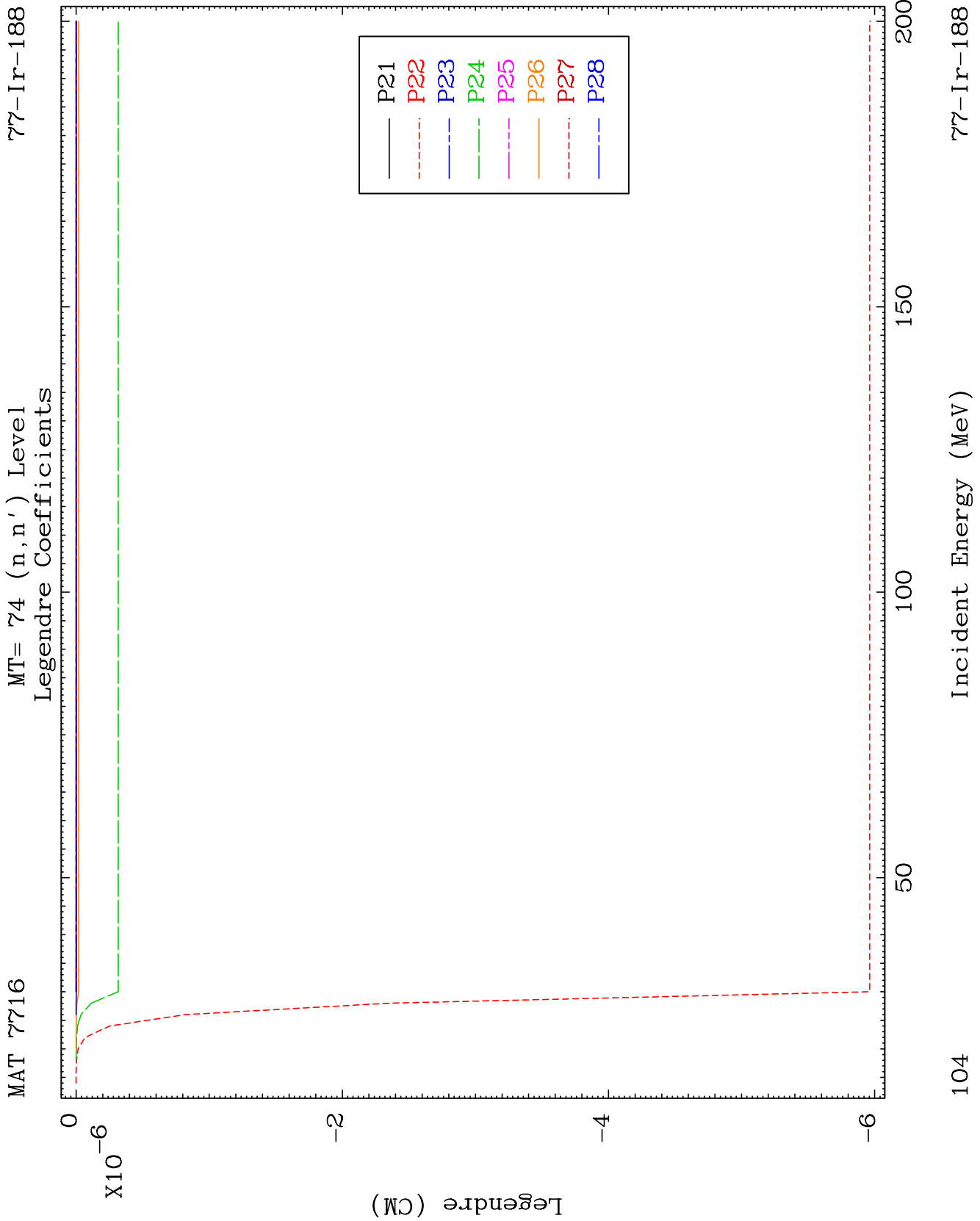
77-Ir-188

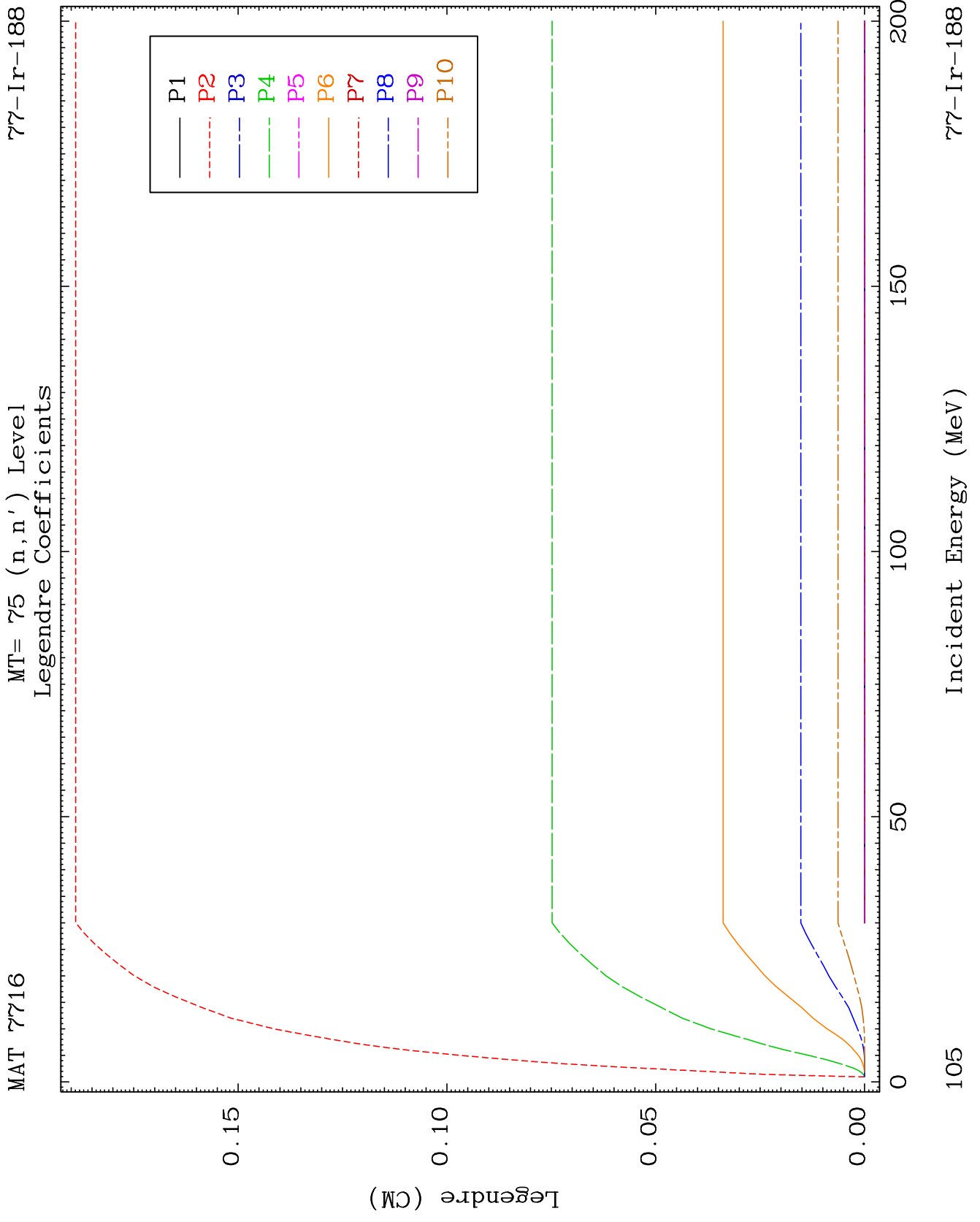


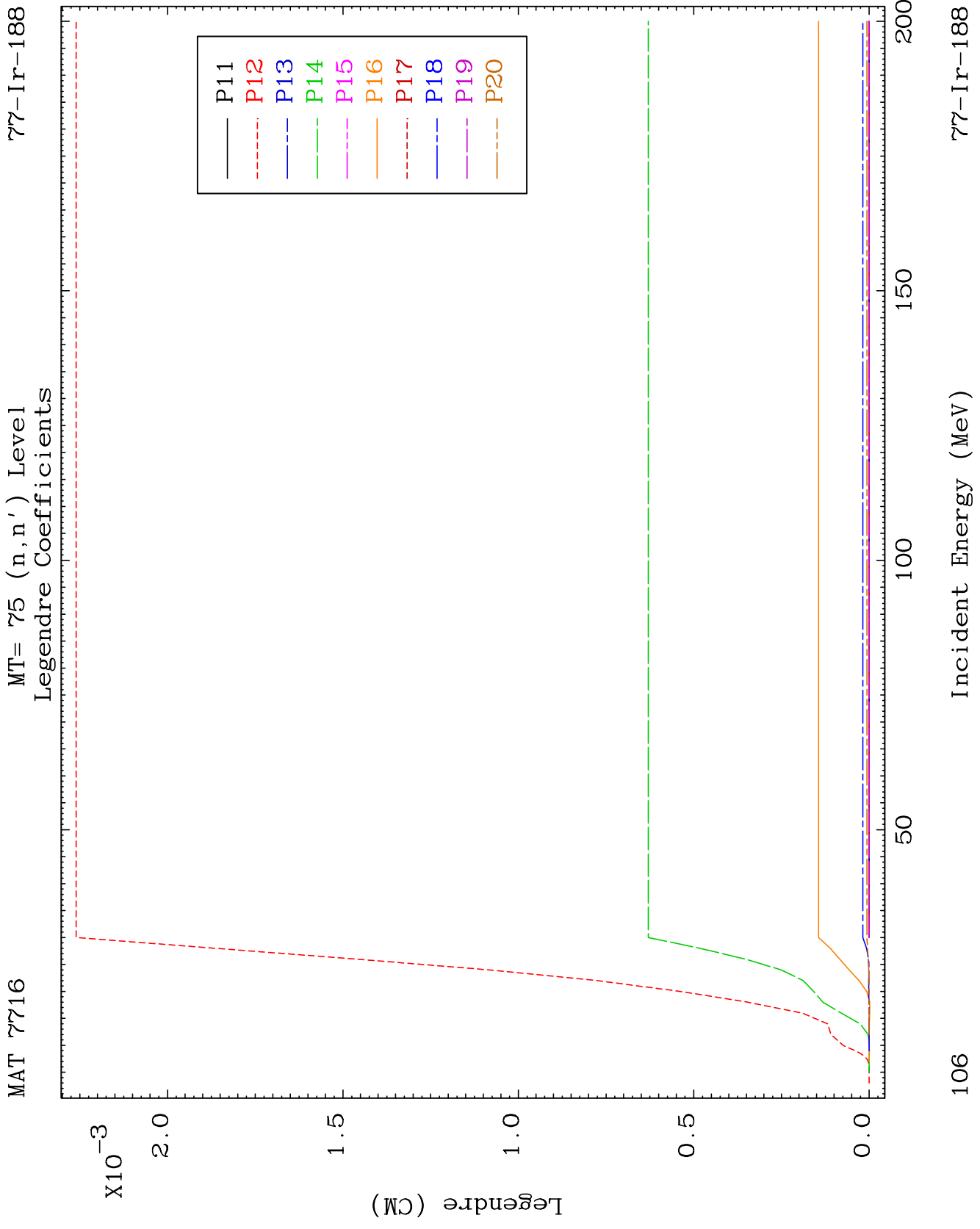
103

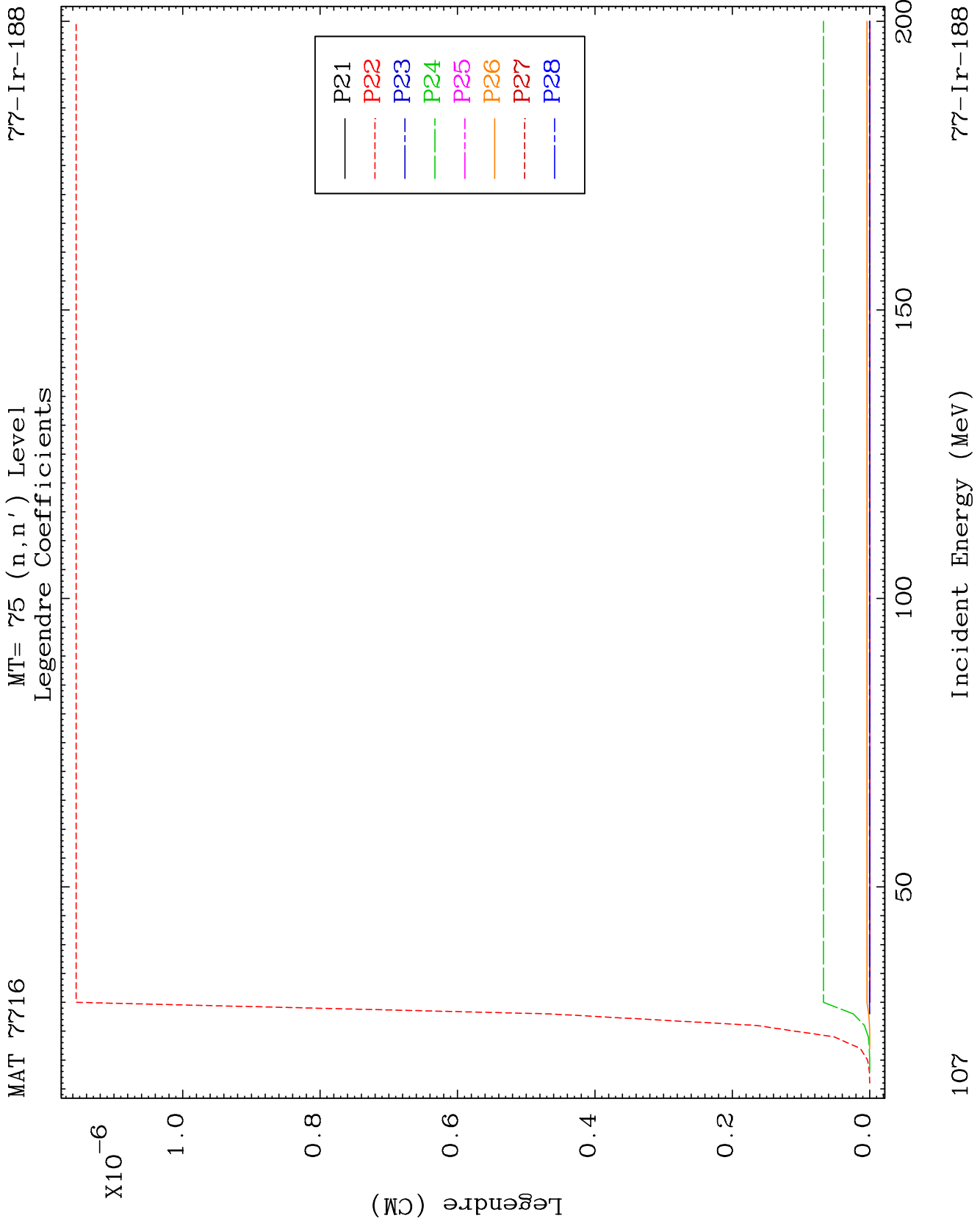
Incident Energy (MeV)

77-Ir-188

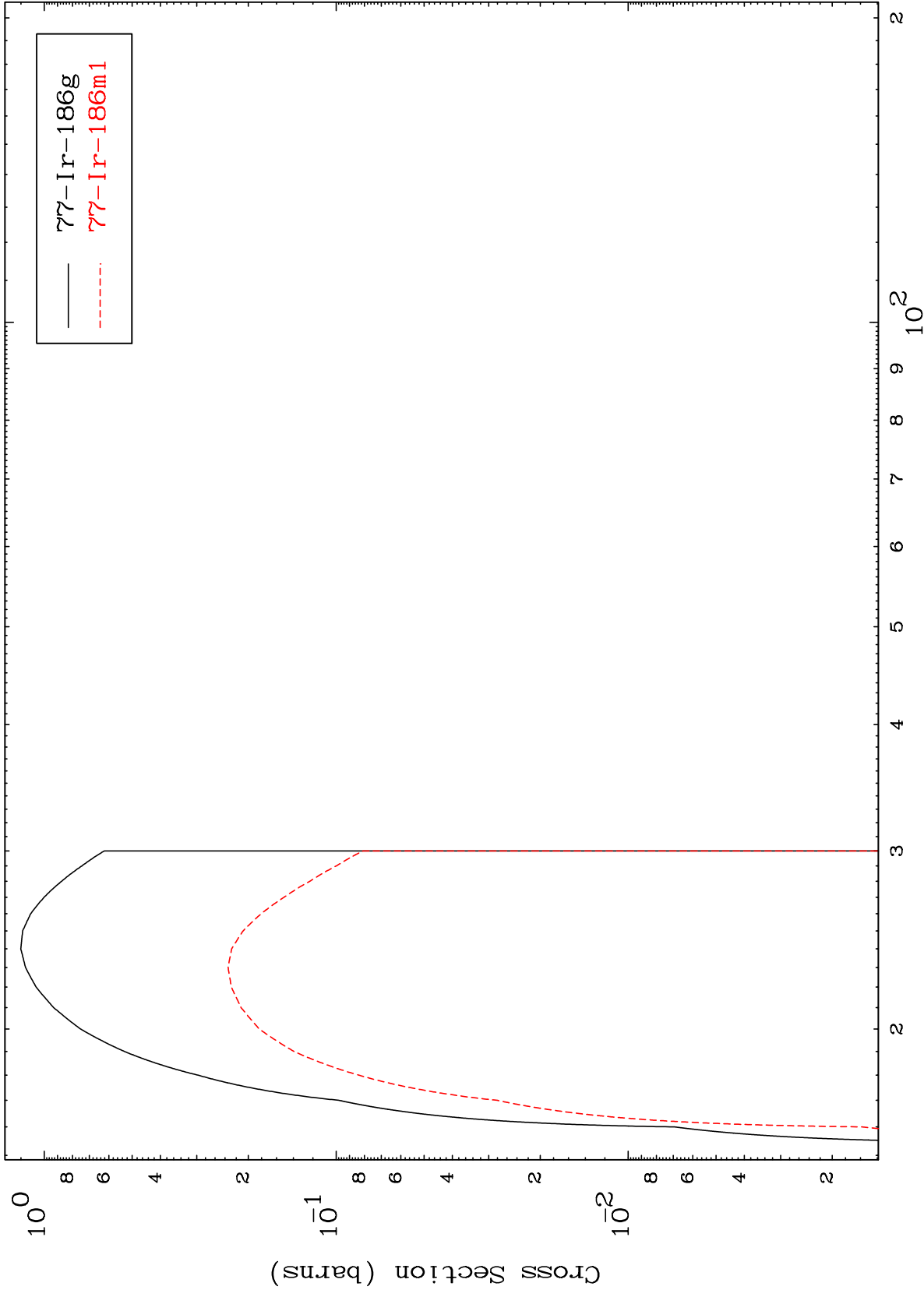








Radionuclide Production Cross Section

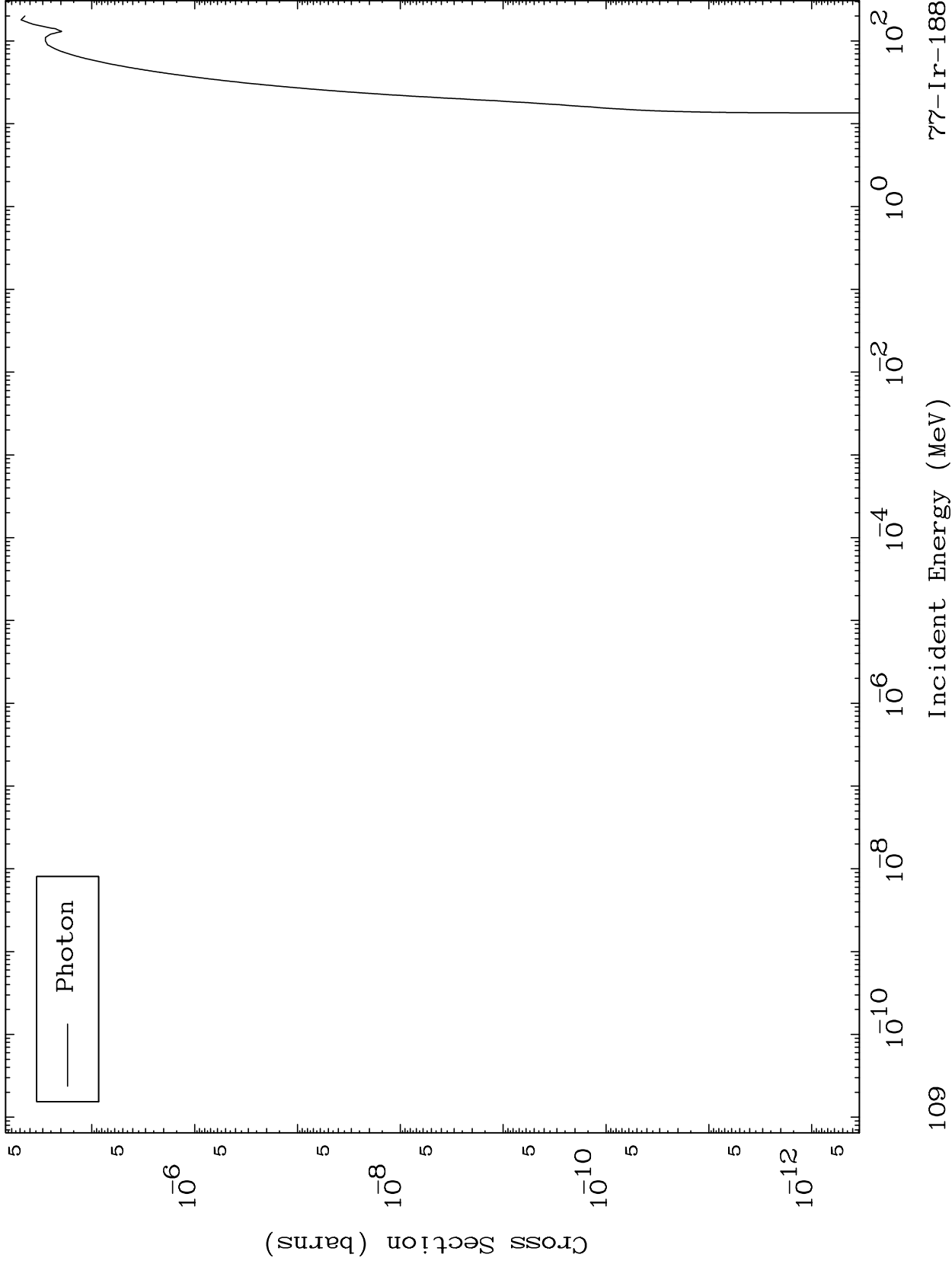


MAT 7716

Fission

⁷⁷Ir-188

Radionuclide Production Cross Section

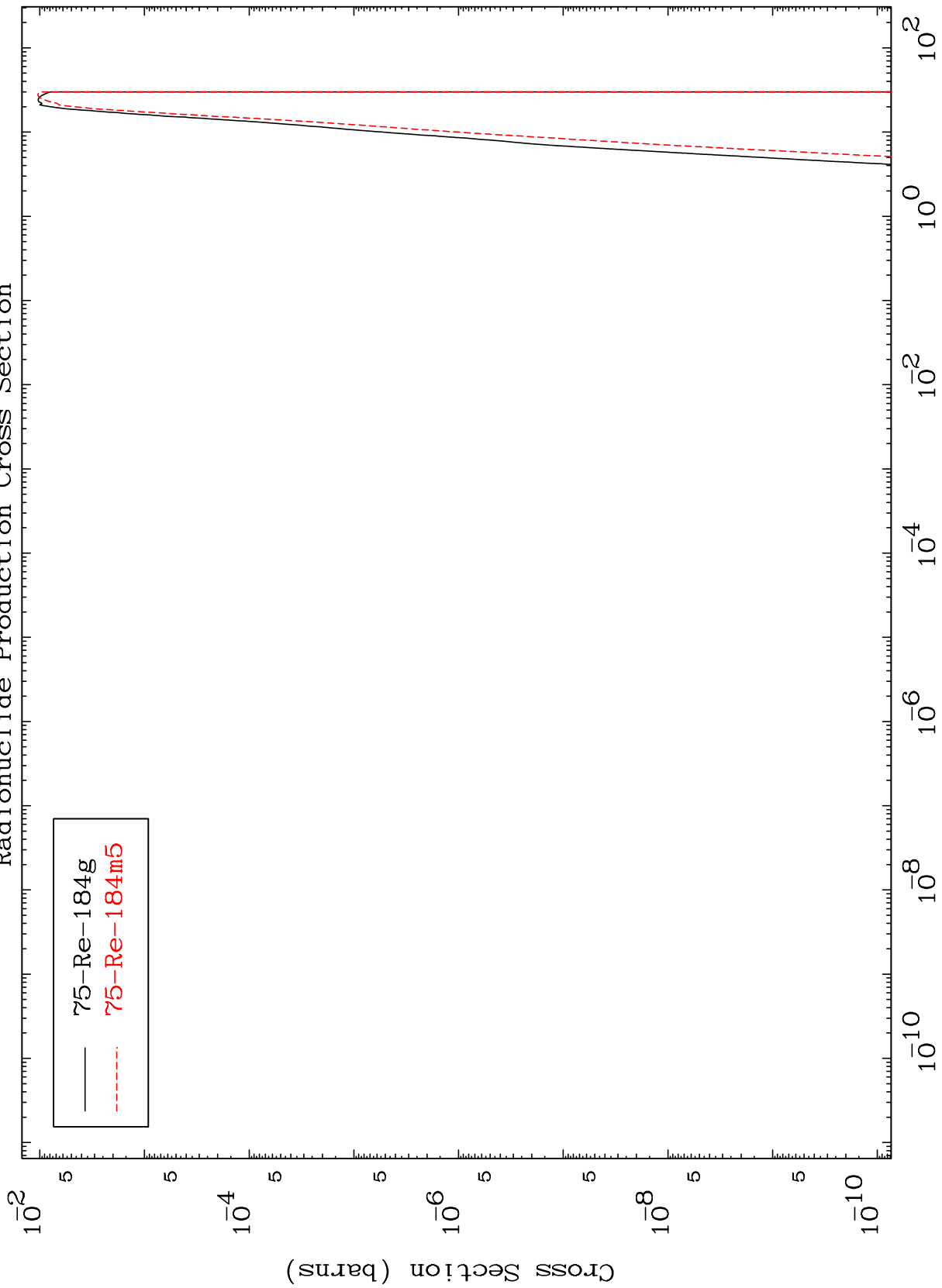


MAT 7716

$(n, n') \alpha$

$^{77}\text{Ir-188}$

Radionuclide Production Cross Section



110

Incident Energy (MeV)

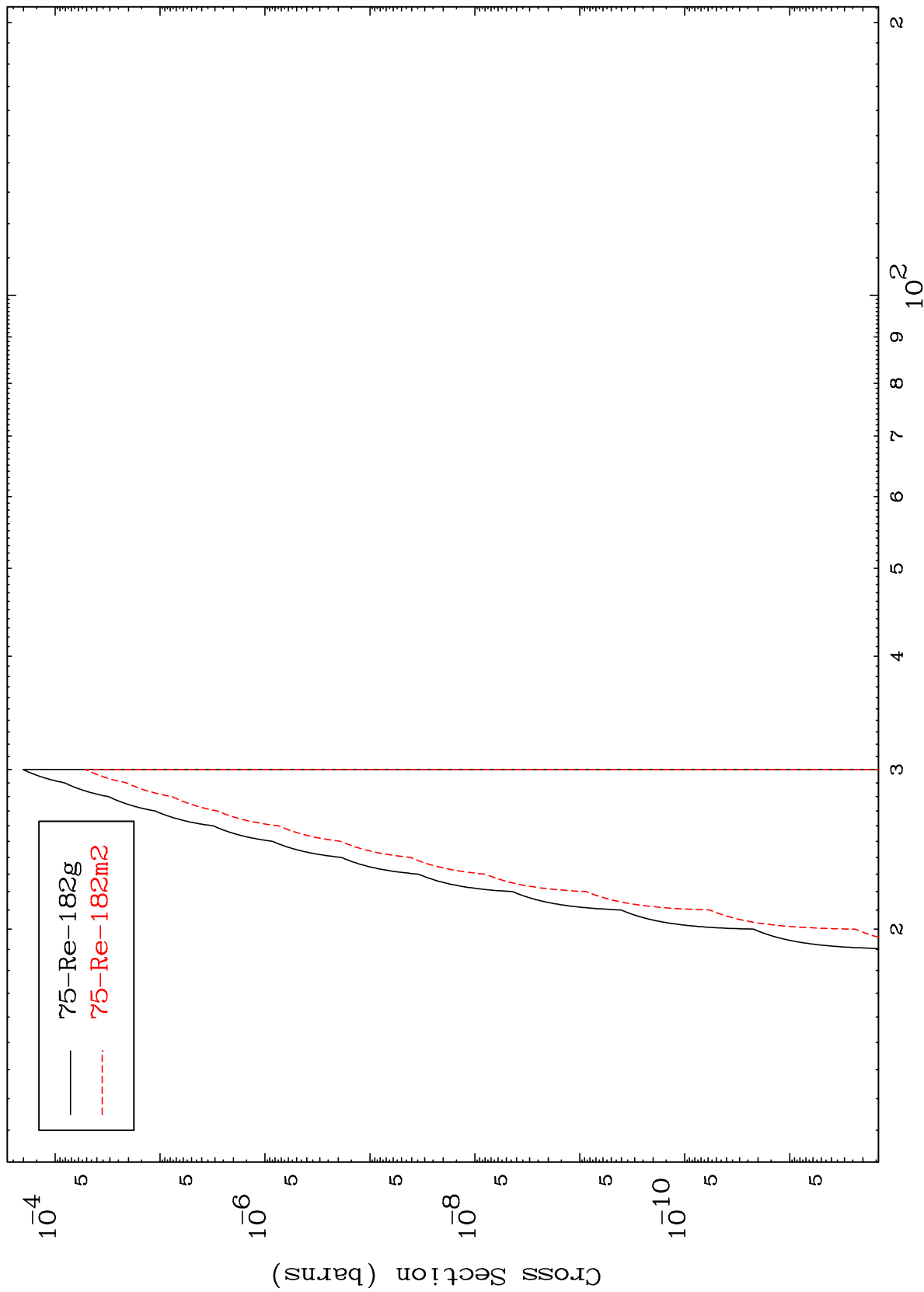
$^{77}\text{Ir-188}$

MAT 7716

77-Ir-188

(n,3n) α

Radionuclide Production Cross Section



Incident Energy (MeV)

77-Ir-188

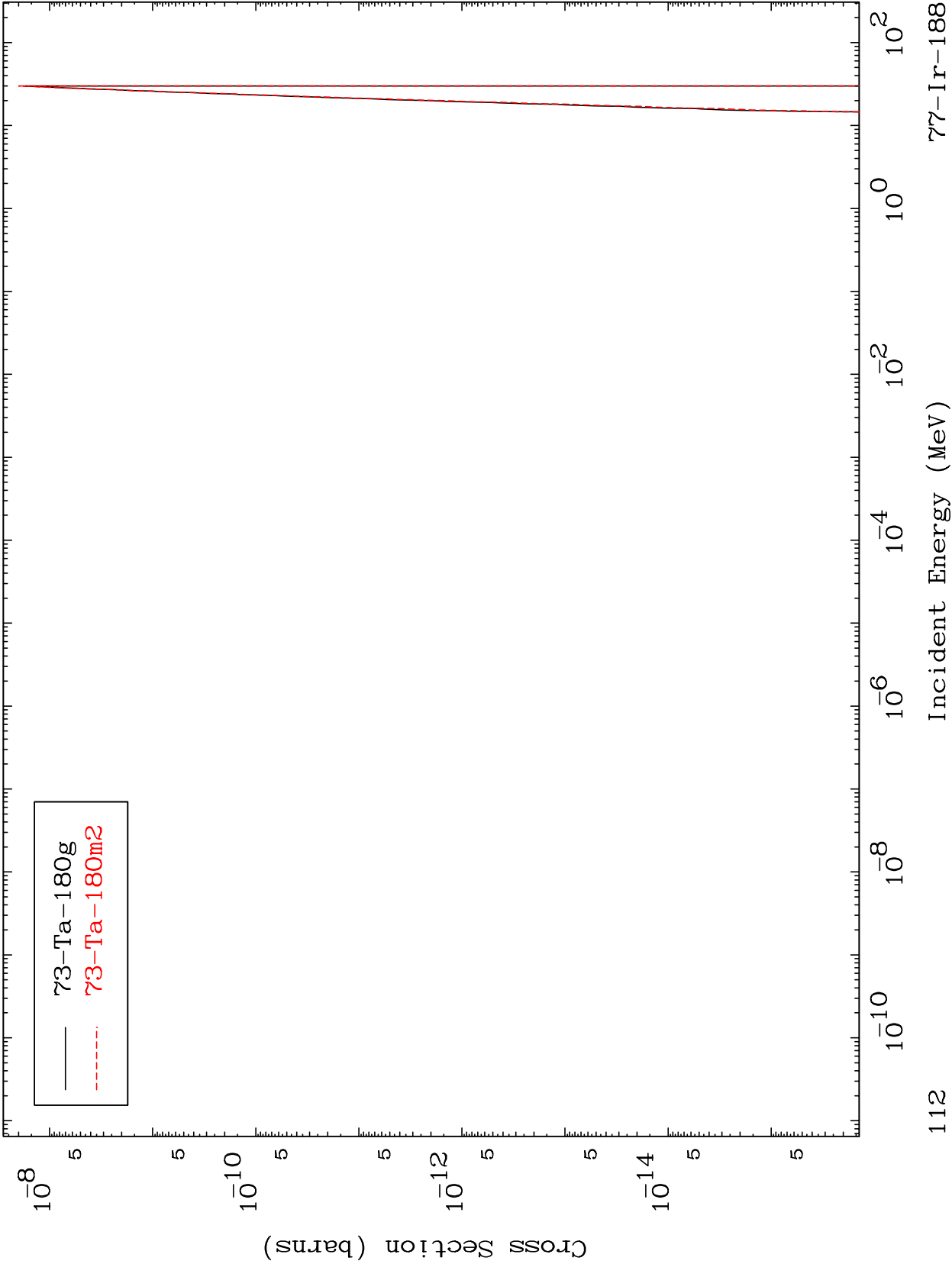
111

MAT 7716

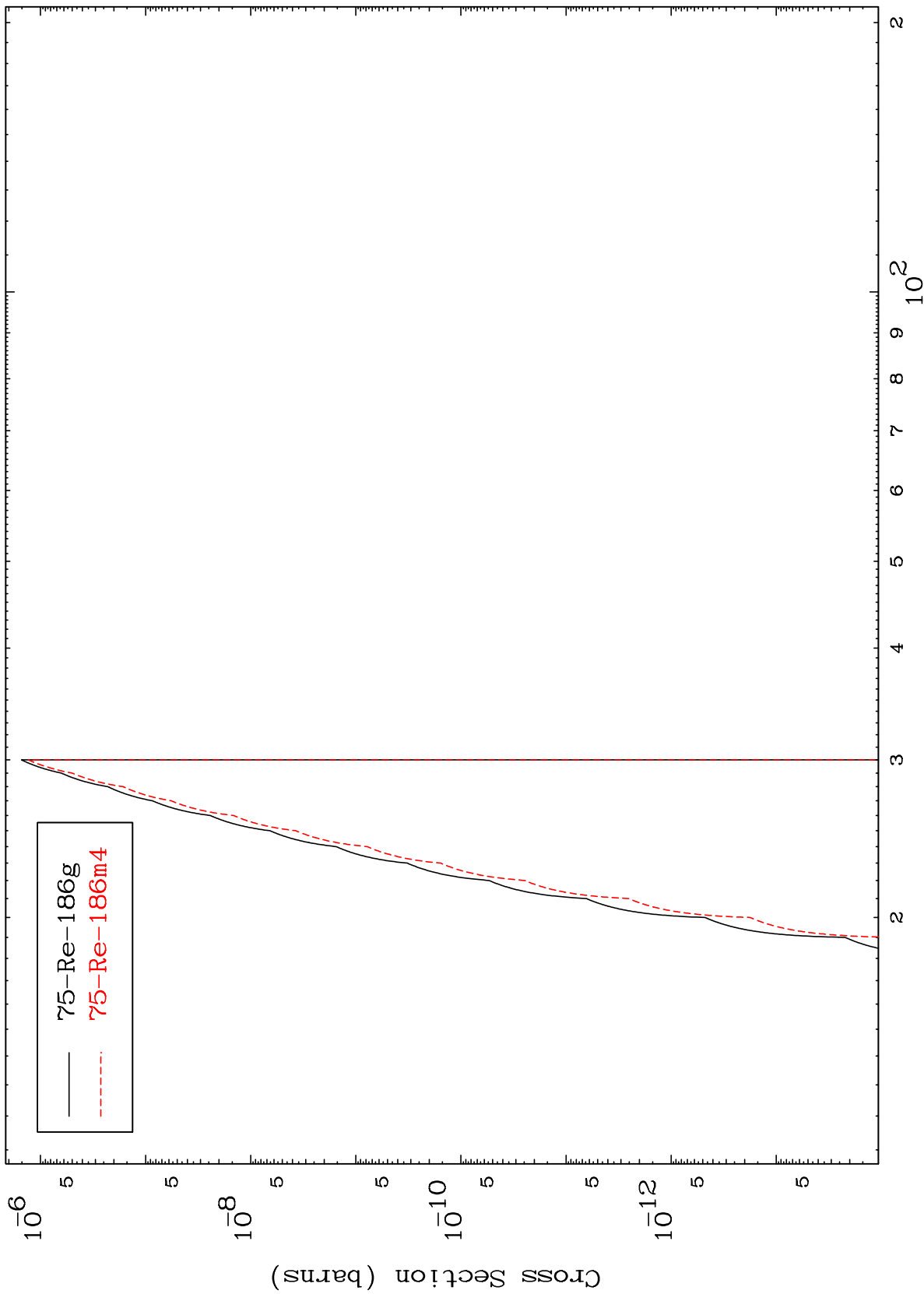
(n,n') 2α

77-Ir-188

Radionuclide Production Cross Section



Radionuclide Production Cross Section

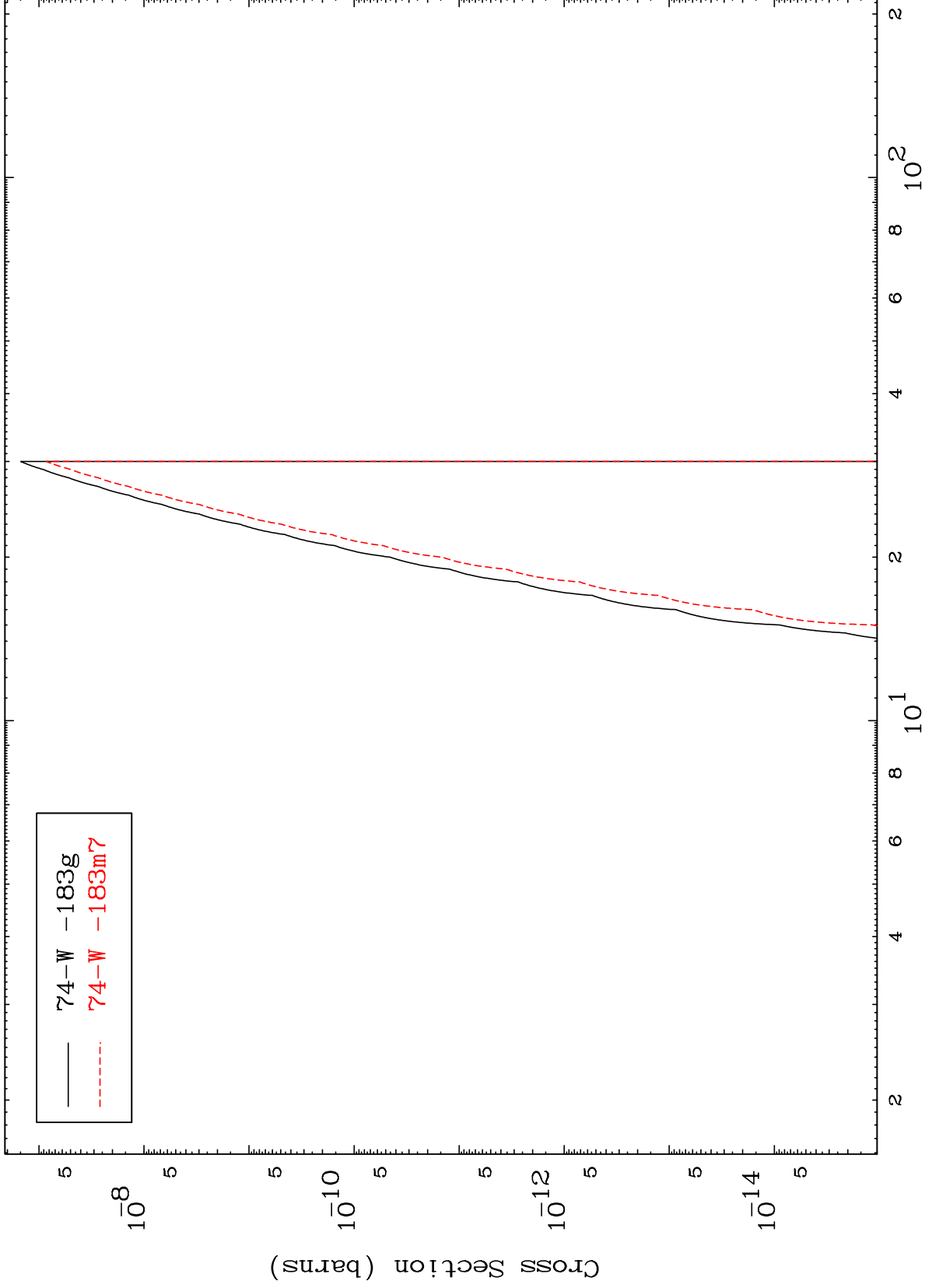


MAT 7716

(n,n') p α

77-Ir-188

Radionuclide Production Cross Section



114

Incident Energy (MeV)

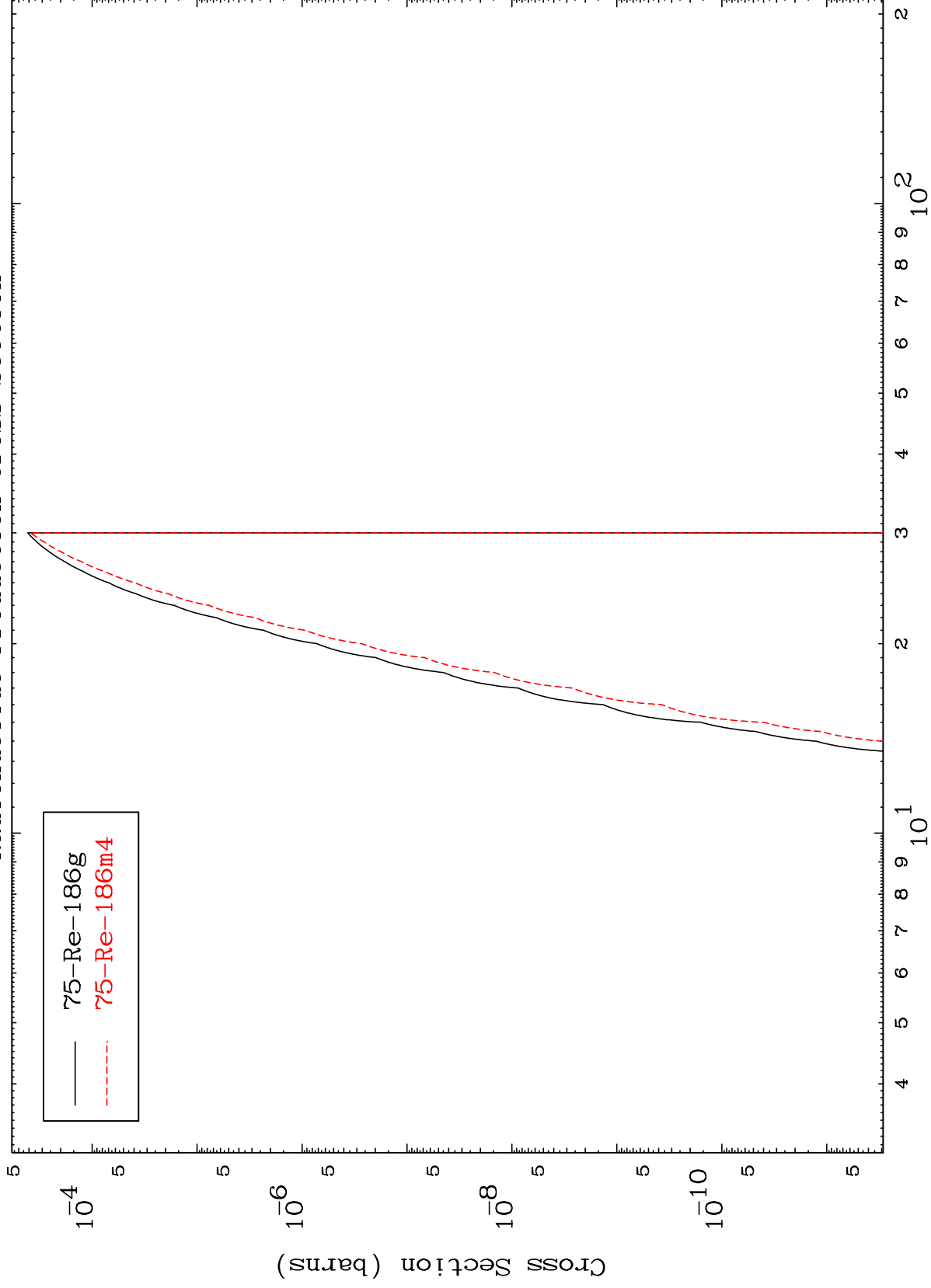
77-Ir-188

MAT 7716

(n,He-3)

77-Ir-188

Radionuclide Production Cross Section



75-Re-186g
75-Re-186m4

115

Incident Energy (MeV)

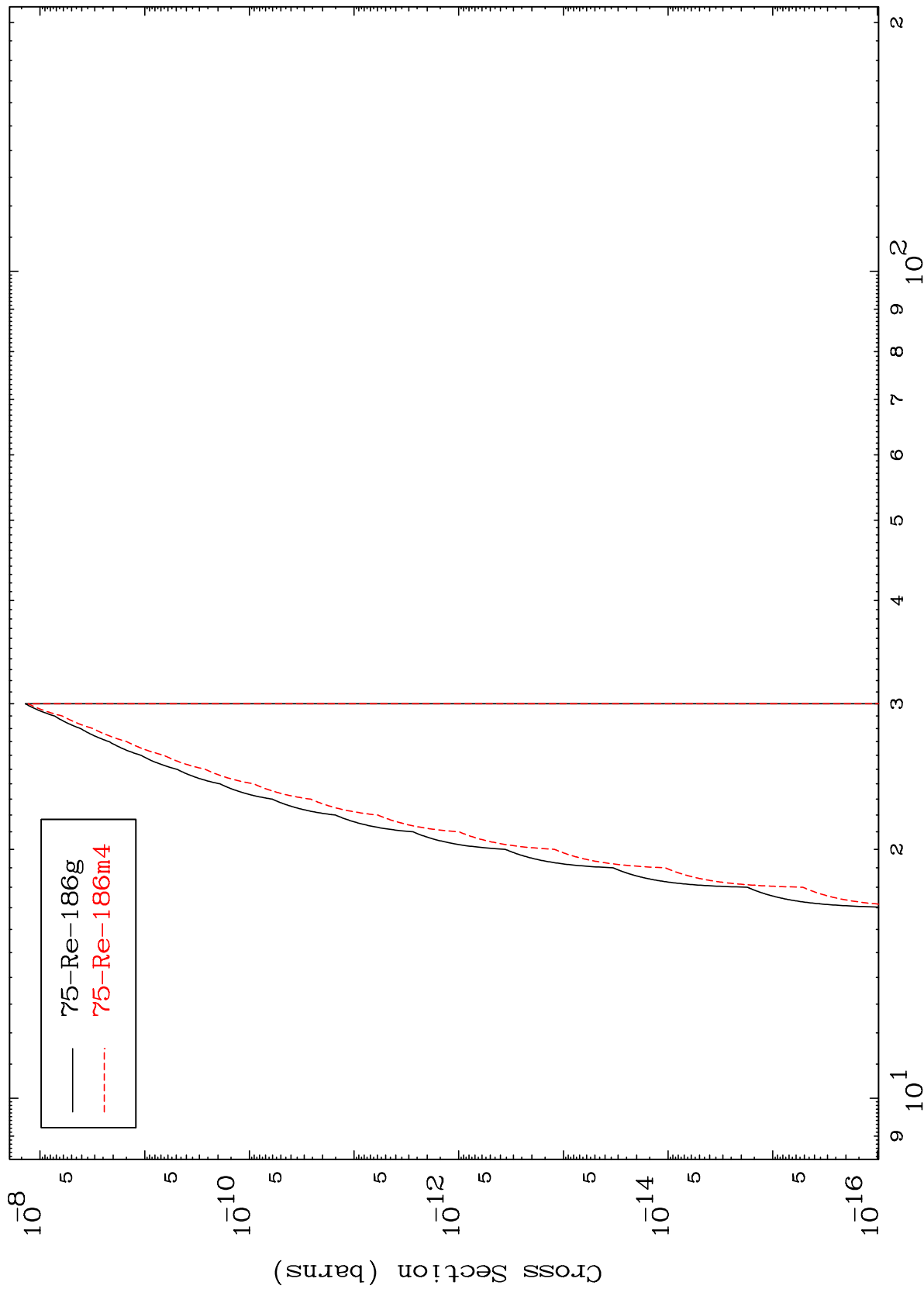
77-Ir-188

MAT 7716

(n,p) d

⁷⁷Ir-188

Radionuclide Production Cross Section



116

Incident Energy (MeV)

⁷⁷Ir-188

MAT 7716

(n,d) α

⁷⁷Ir-188

Radionuclide Production Cross Section

