

Program EVALPLOT
(Version 2018-1)

by

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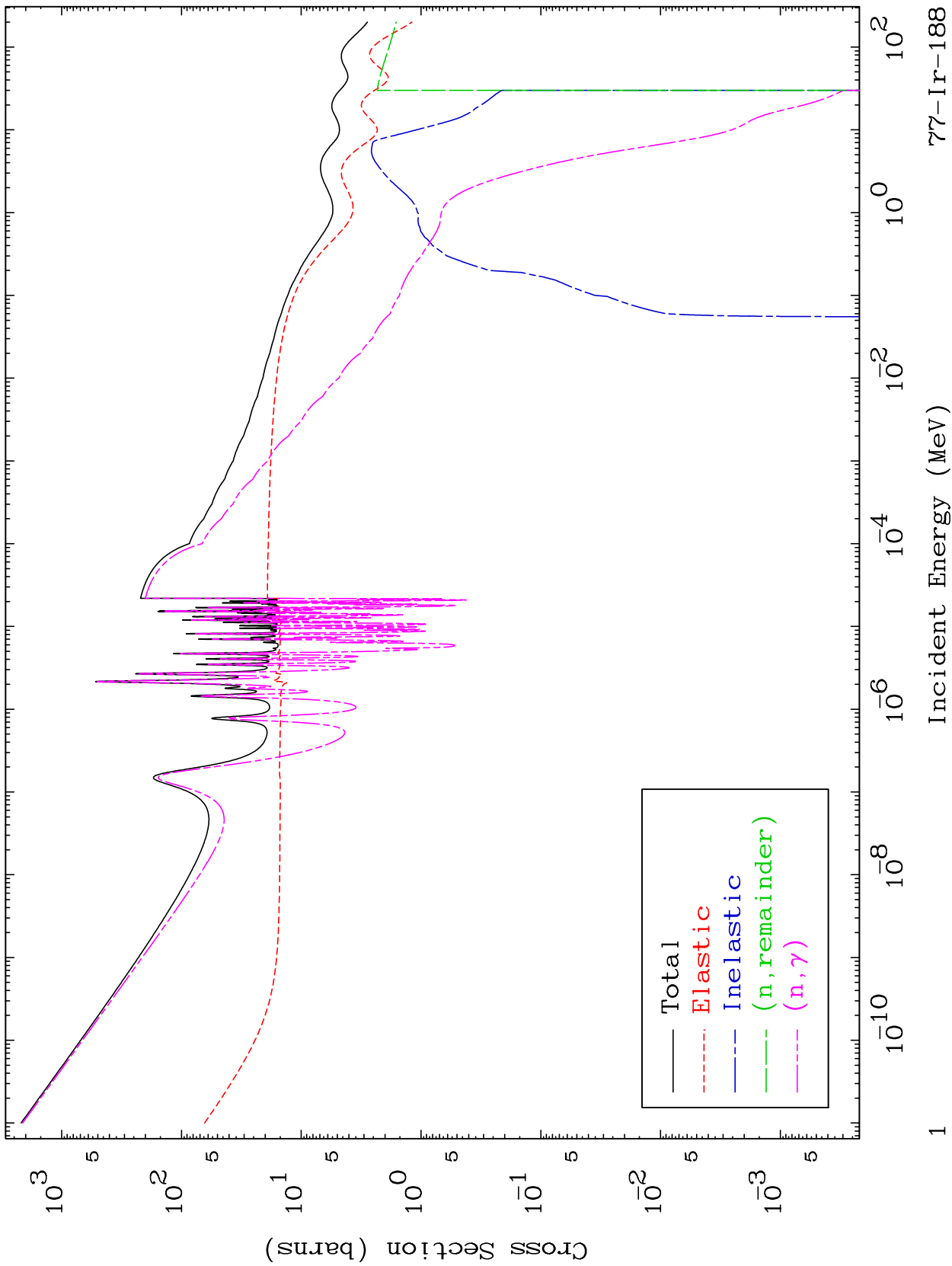
Press Mouse Button to Start

MAT 7716

Major

293 Kelvin Cross Sections

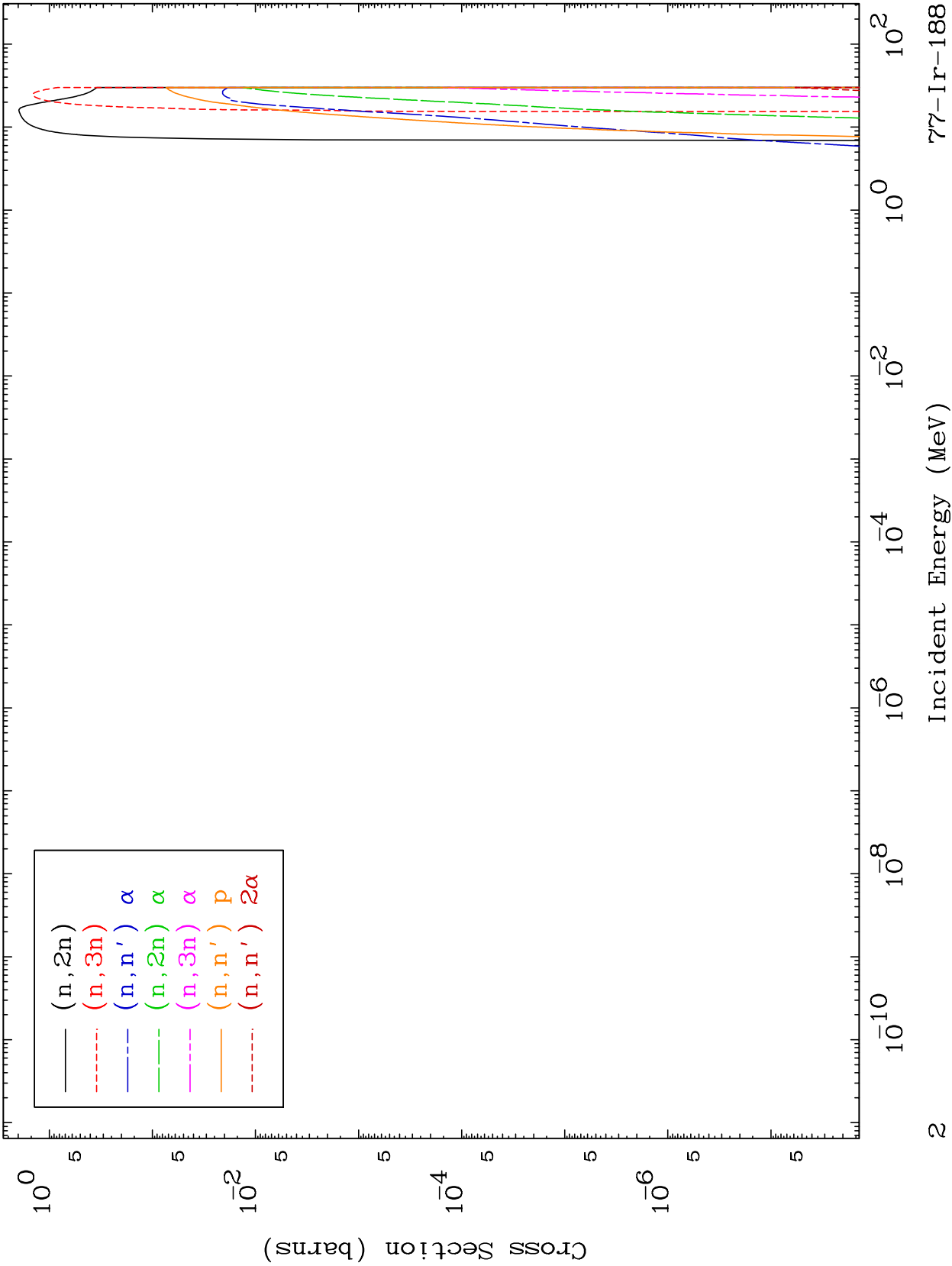
77-Ir-188



MAT 7716

Neutron Production
293 Kelvin Cross Sections

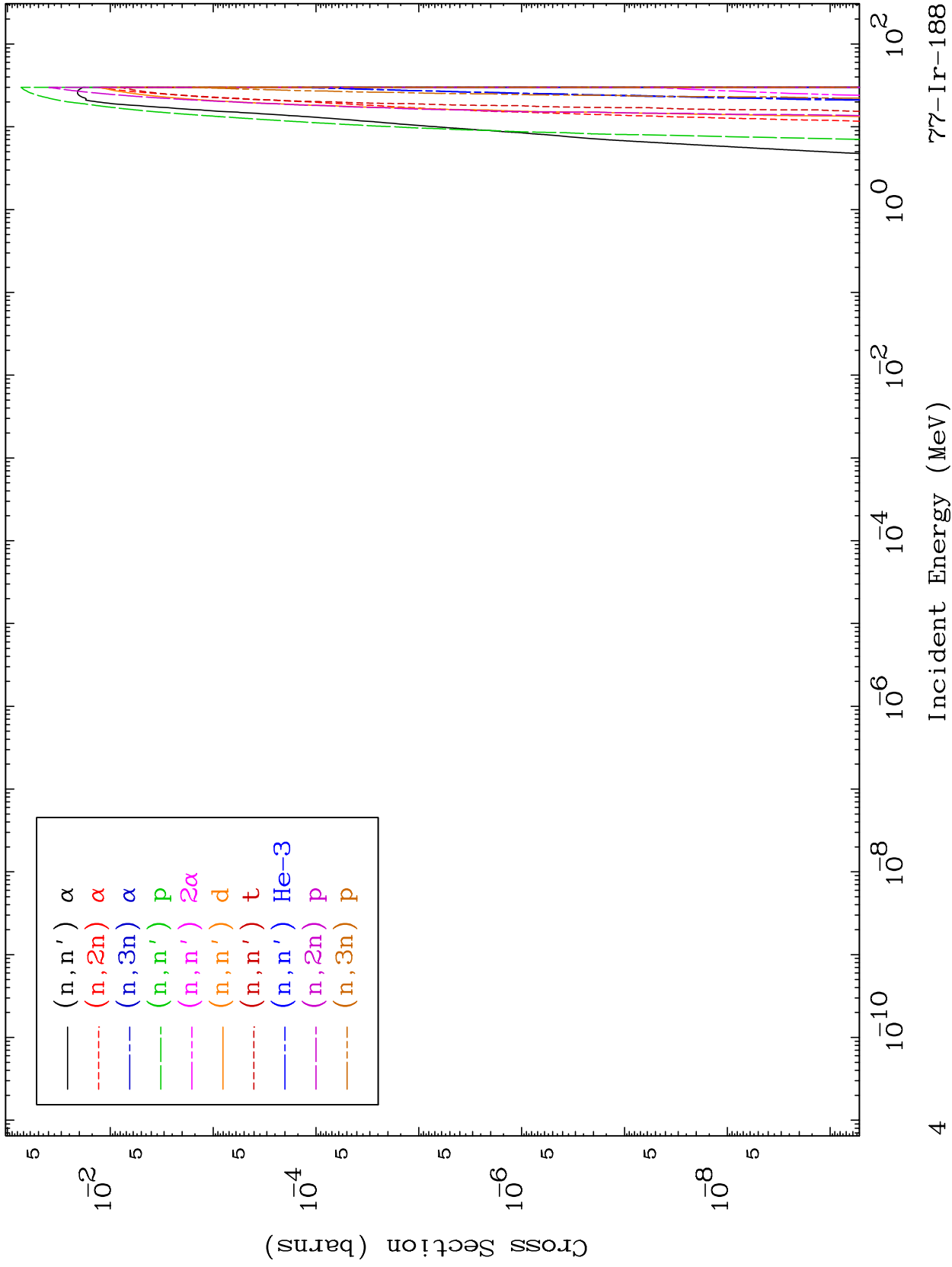
77-Ir-188



MAT 7716

Charged Particle
293 Kelvin Cross Sections

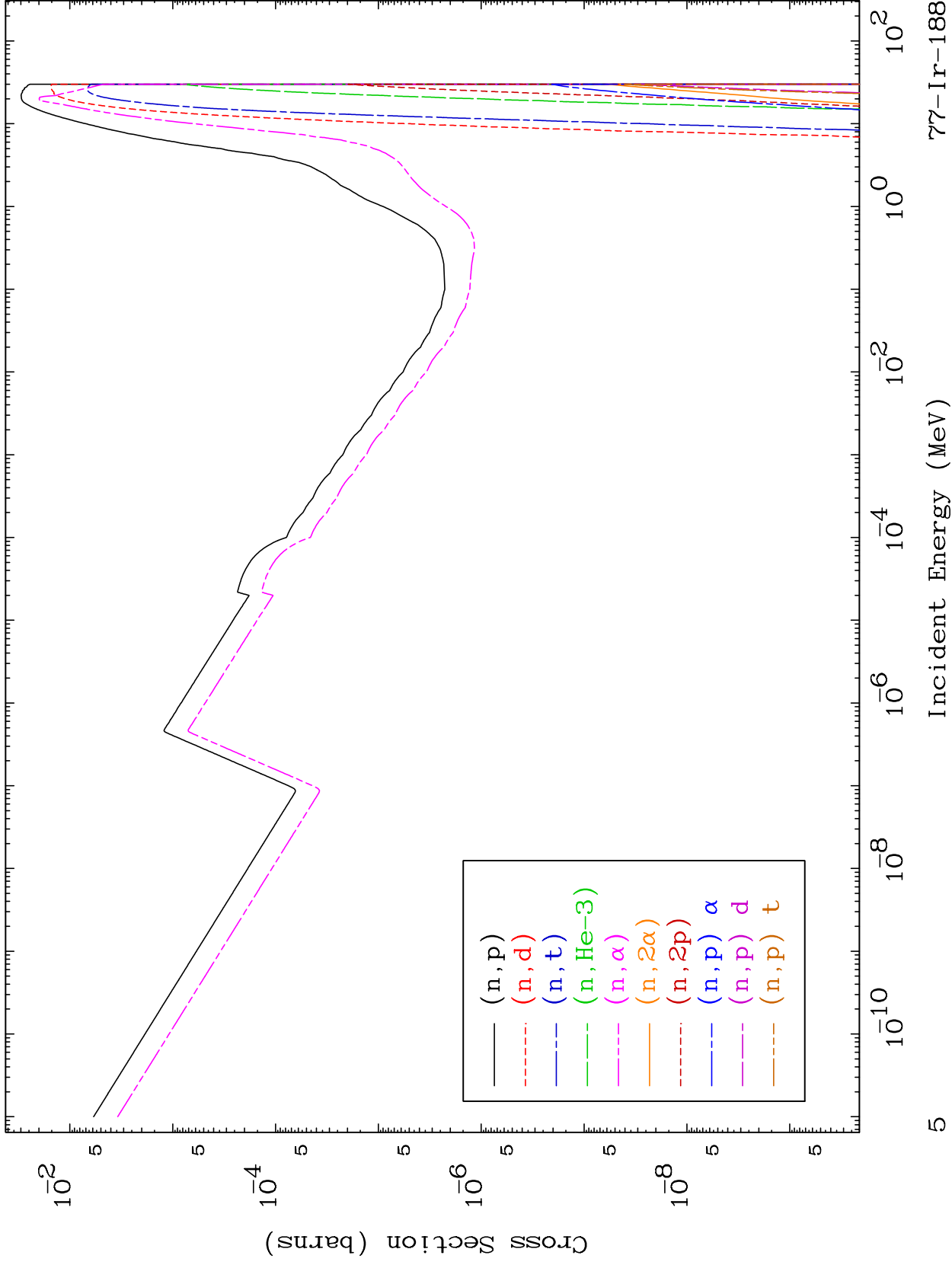
77-Ir-188



MAT 7716

Charged Particle
293 Kelvin Cross Sections

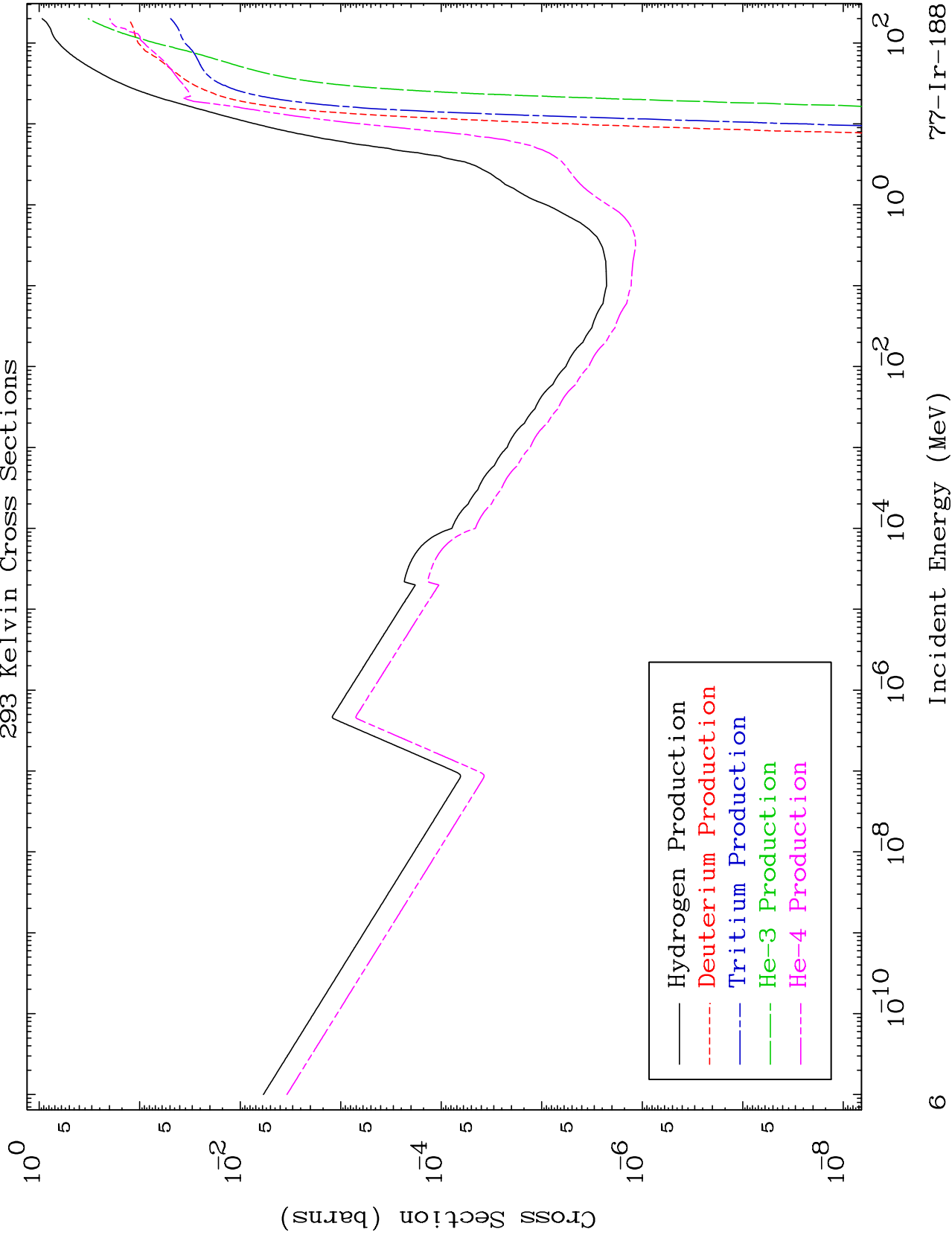
77-Ir-188



MAT 7716

Particle Production
293 Kelvin Cross Sections

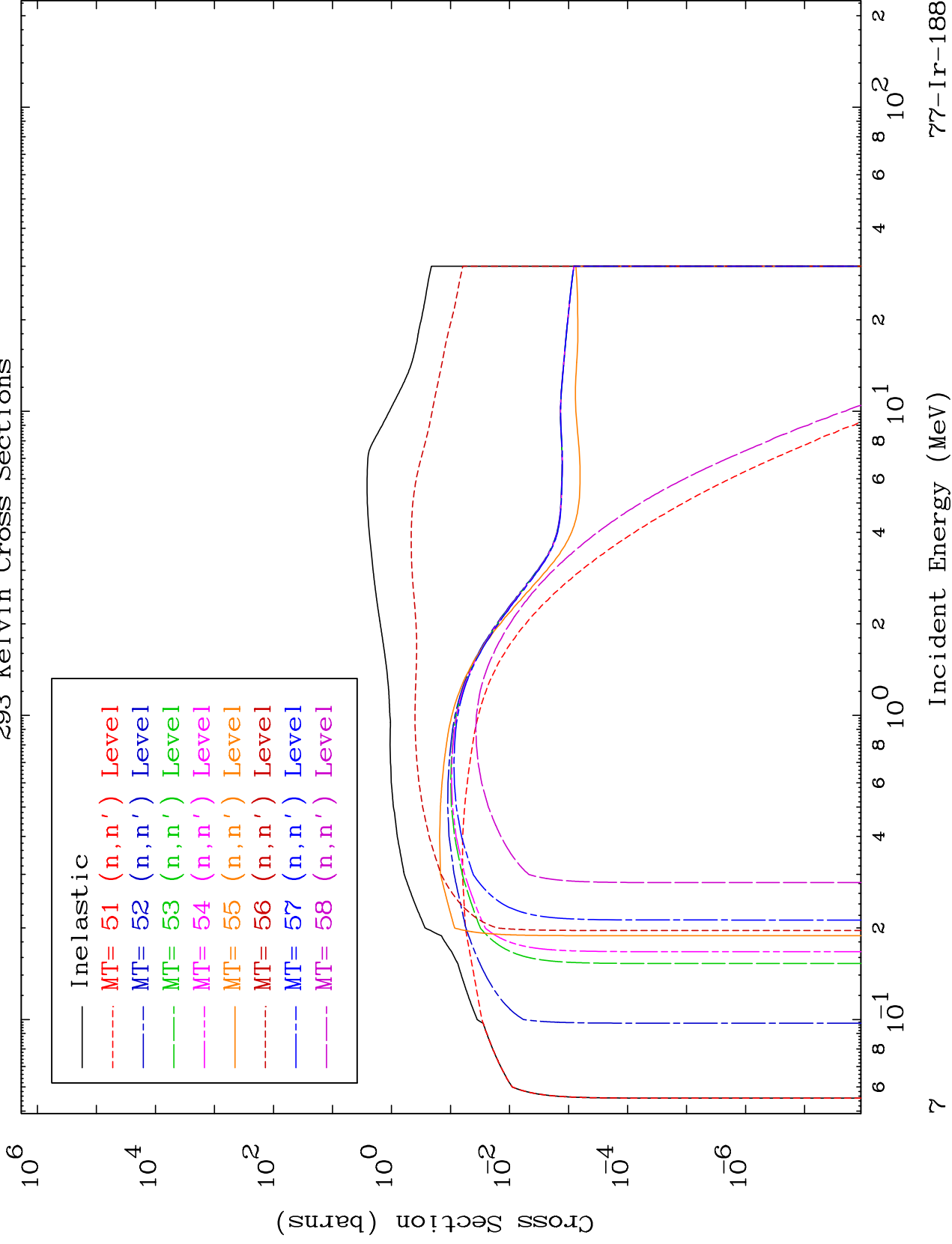
77-Ir-188



MAT 7716

(n,n') Level
293 Kelvin Cross Sections

77-Ir-188

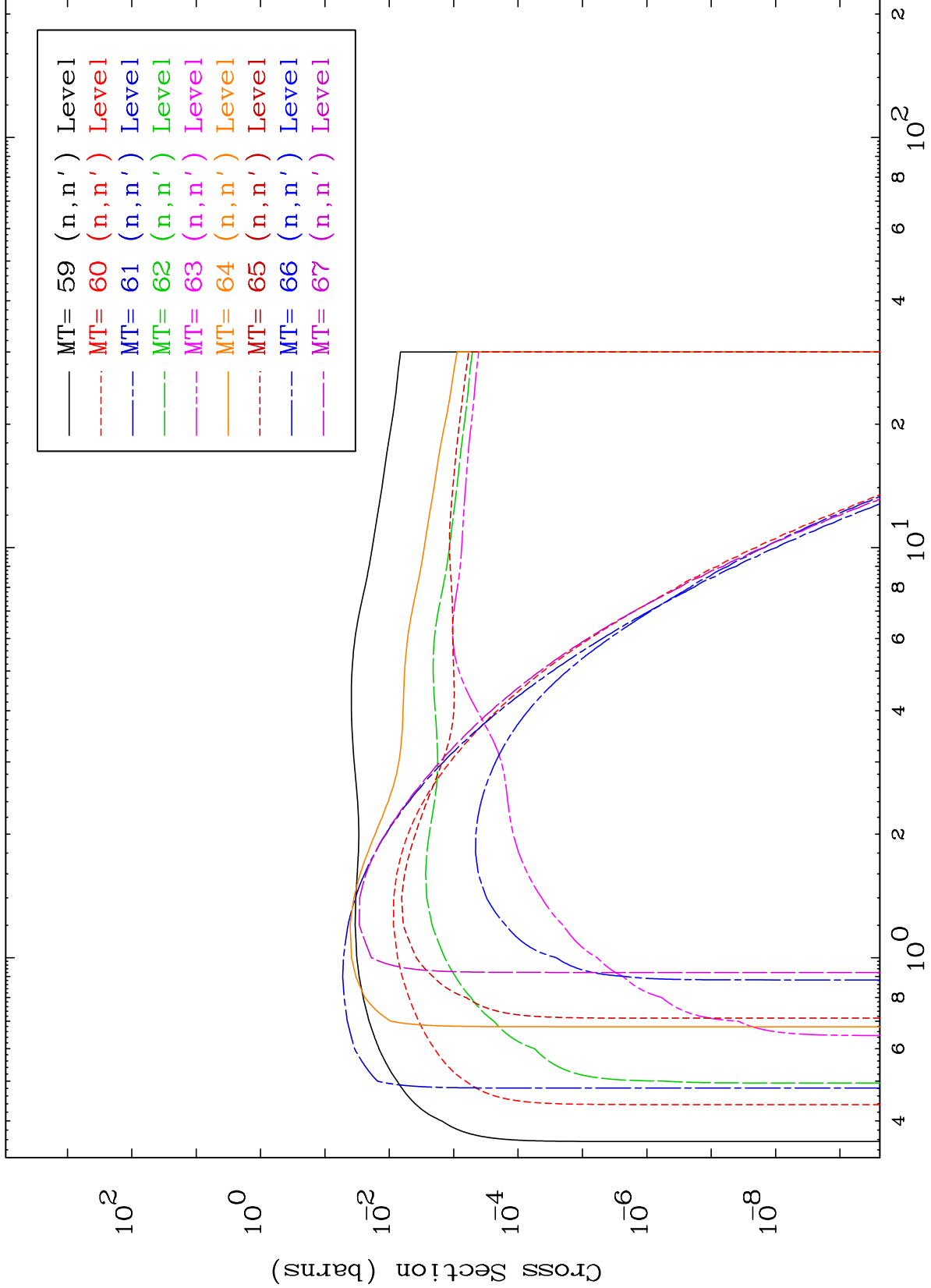


MAT 7716

(n,n') Level

293 Kelvin Cross Sections

77-Ir-188



8

Incident Energy (MeV)

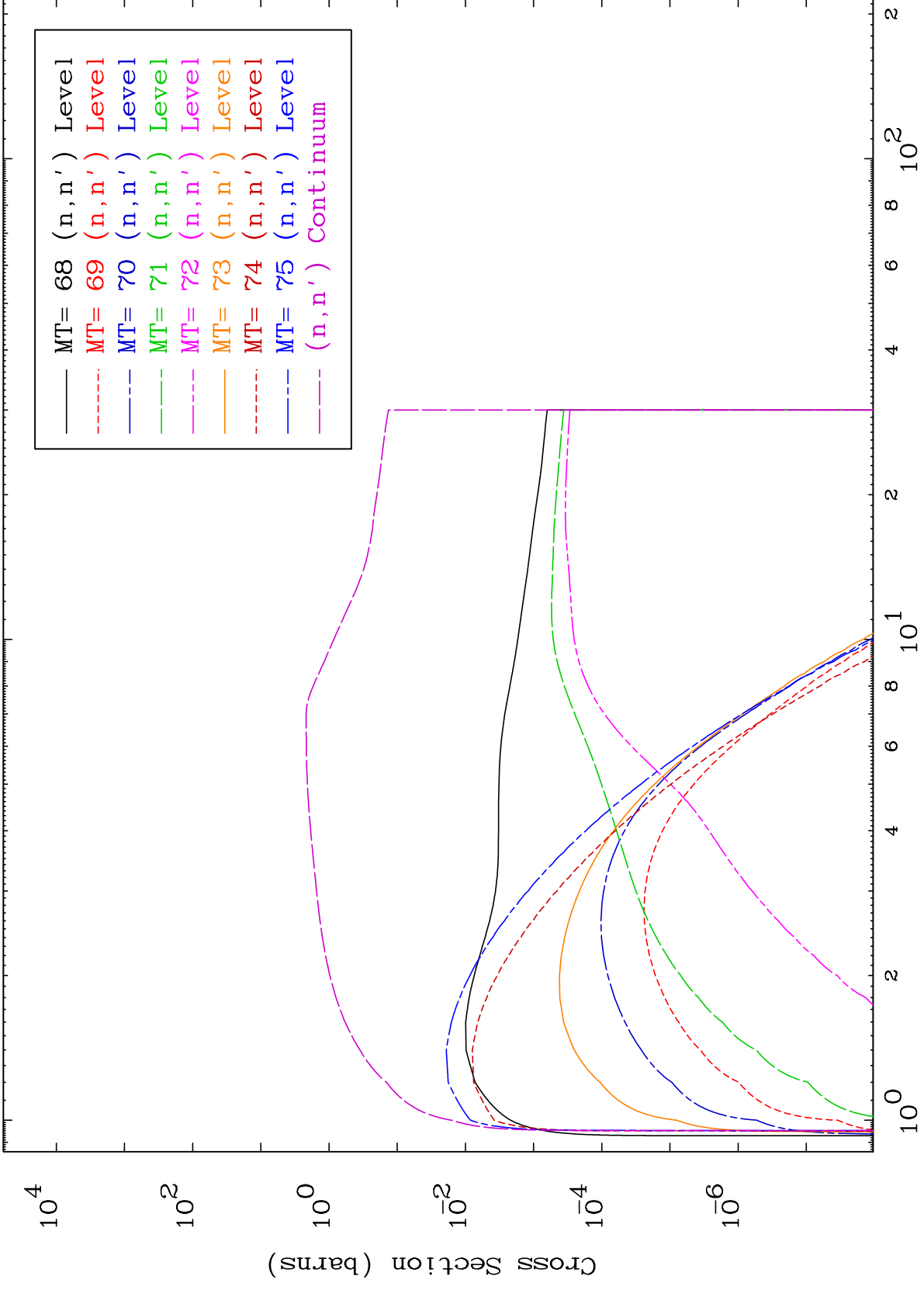
77-Ir-188

MAT 7716

(n,n') Level

77-Ir-188

293 Kelvin Cross Sections



Incident Energy (MeV)

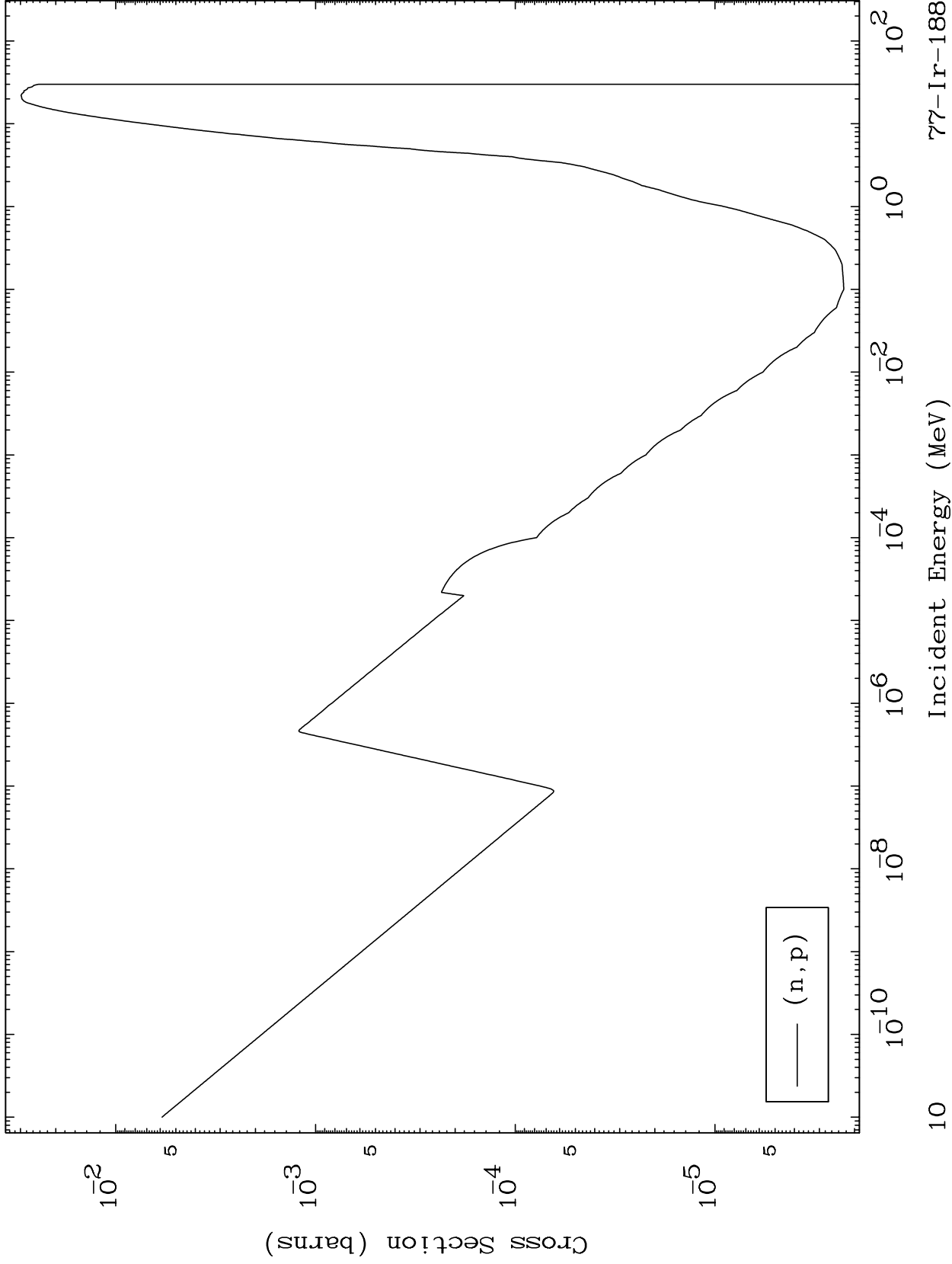
77-Ir-188

9

MAT 7716

(n,p) Levels
293 Kelvin Cross Sections

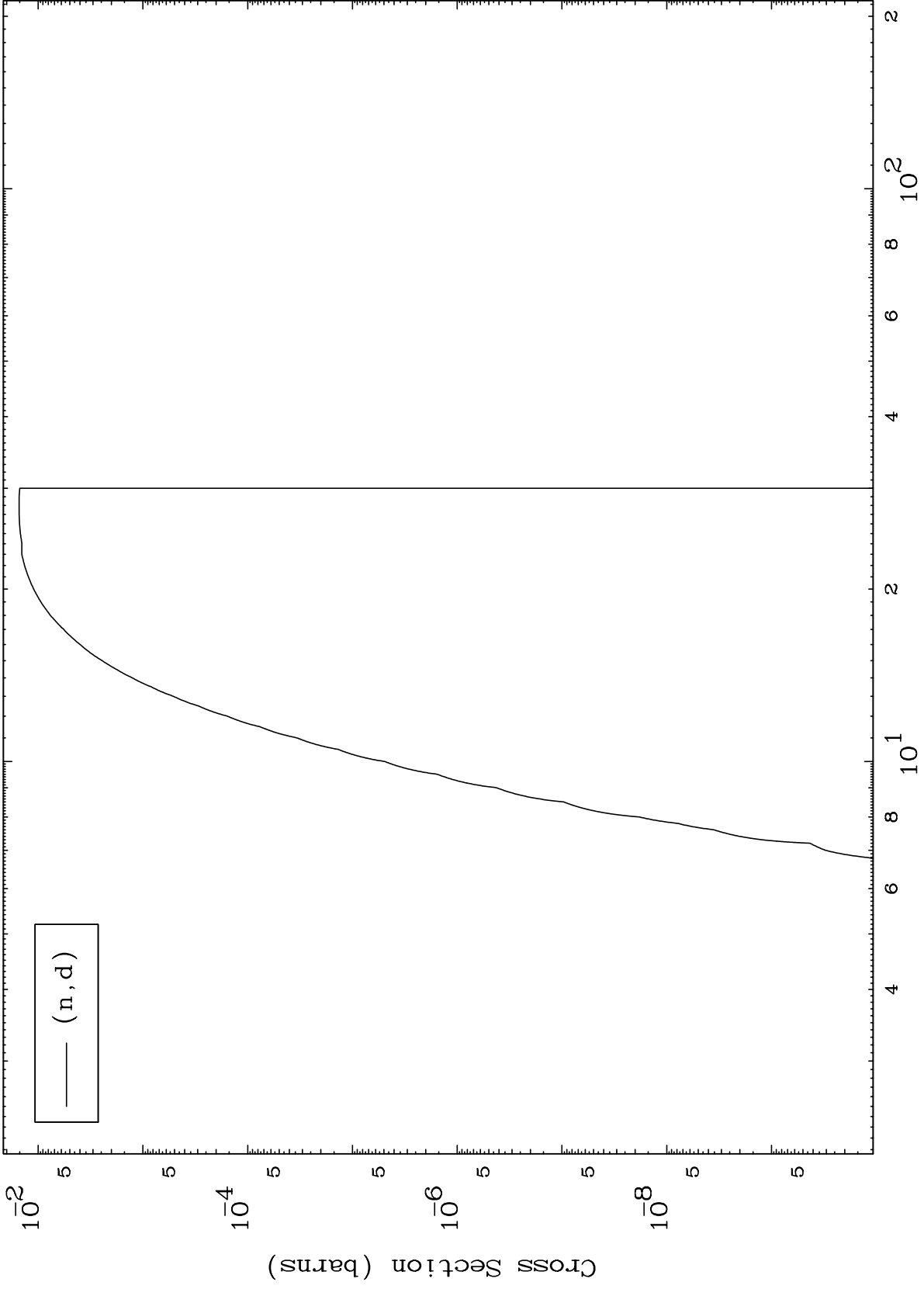
77-Ir-188



MAT 7716

(n,d) Levels
293 Kelvin Cross Sections

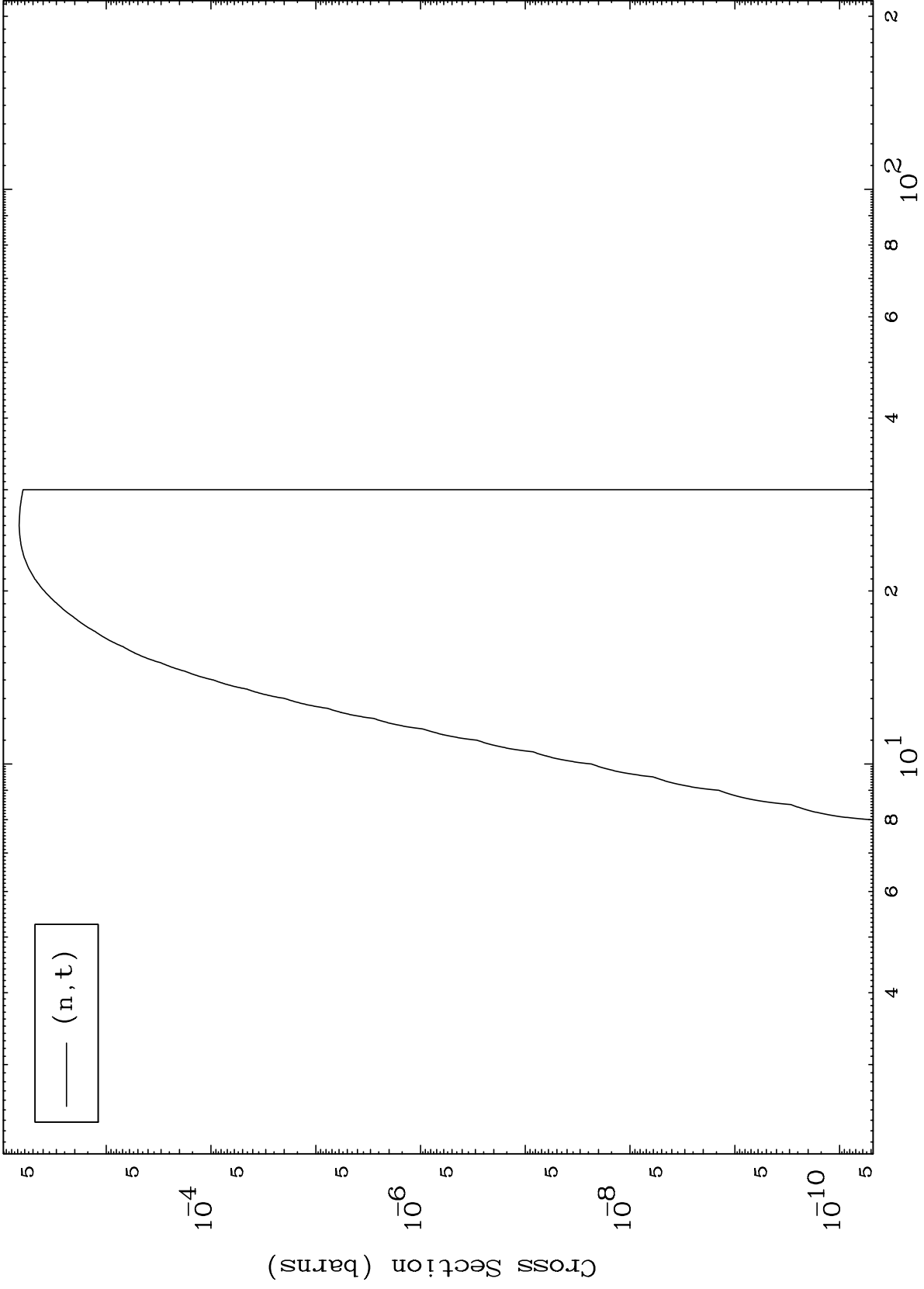
⁷⁷Ir-188



MAT 7716

(n,t) Levels
293 Kelvin Cross Sections

77-Ir-188



12

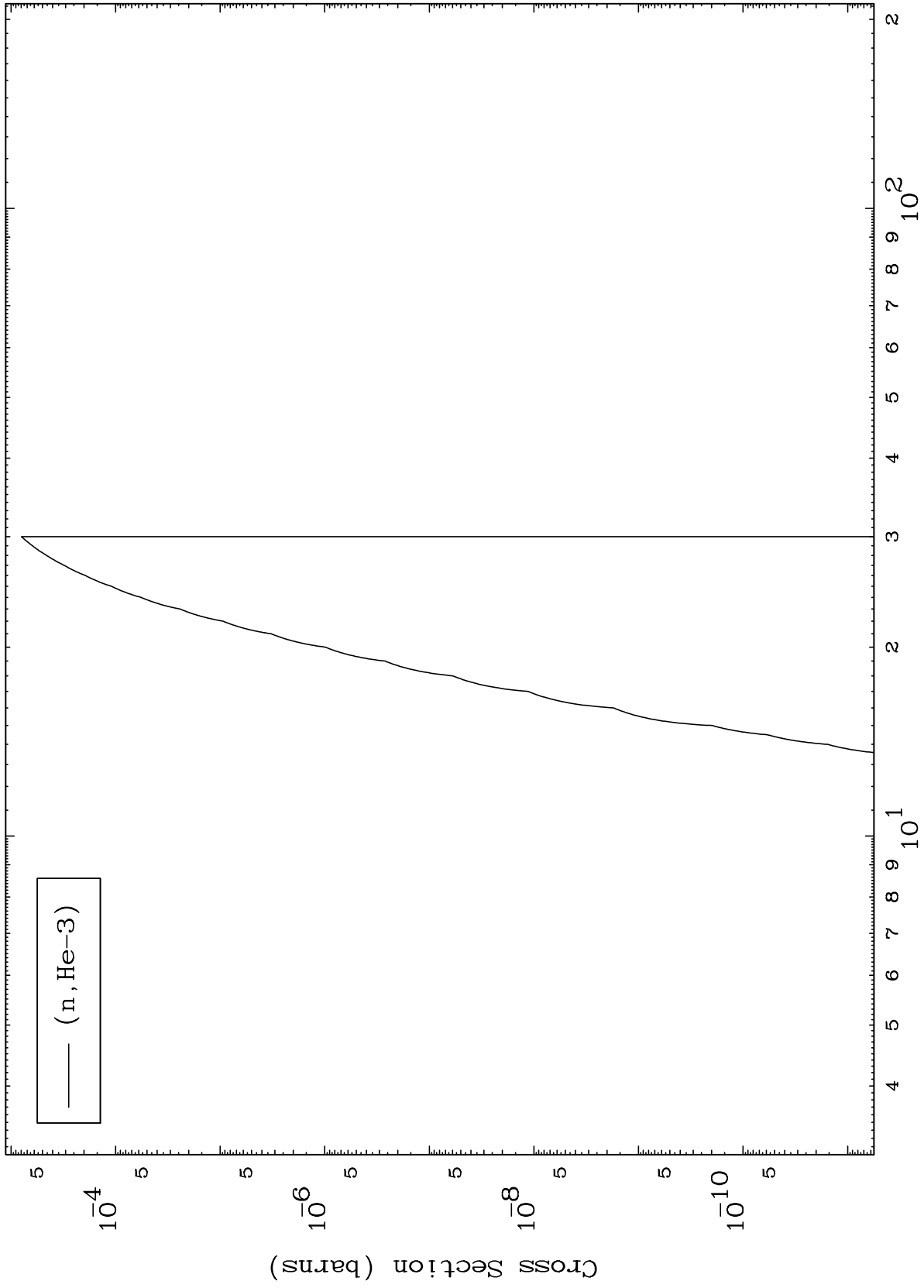
Incident Energy (MeV)

77-Ir-188

MAT 7716

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-188



13

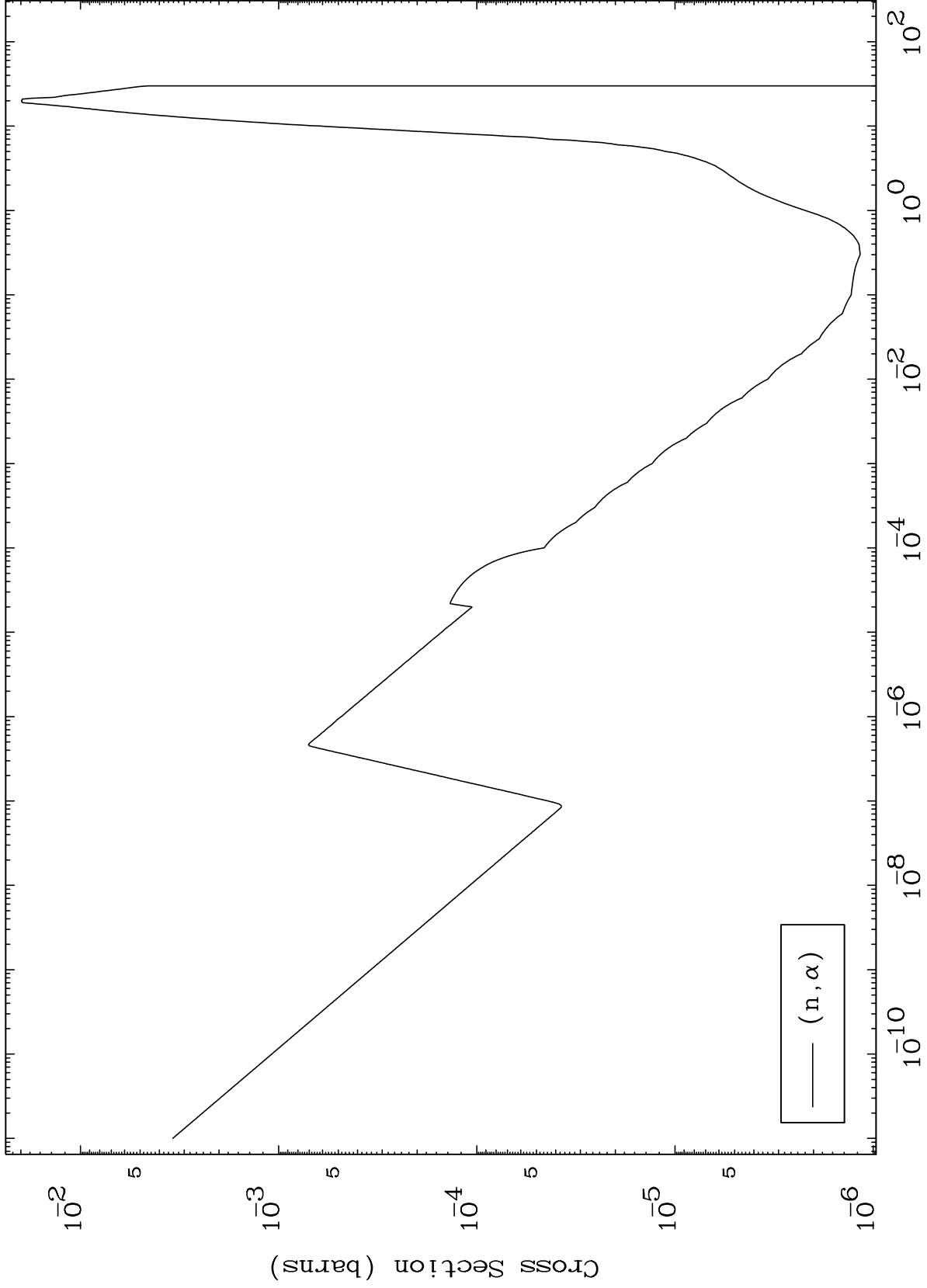
Incident Energy (MeV)

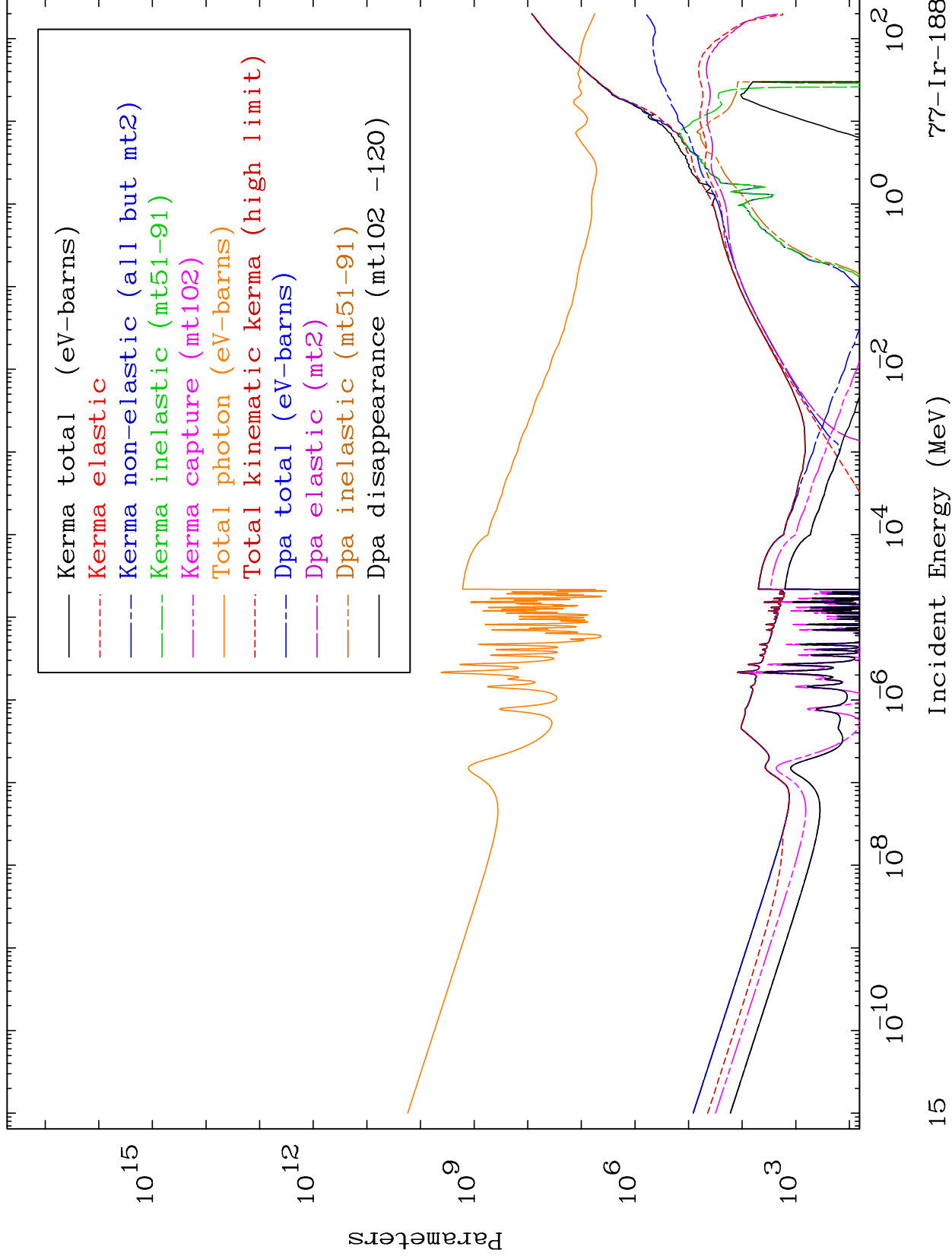
77-Ir-188

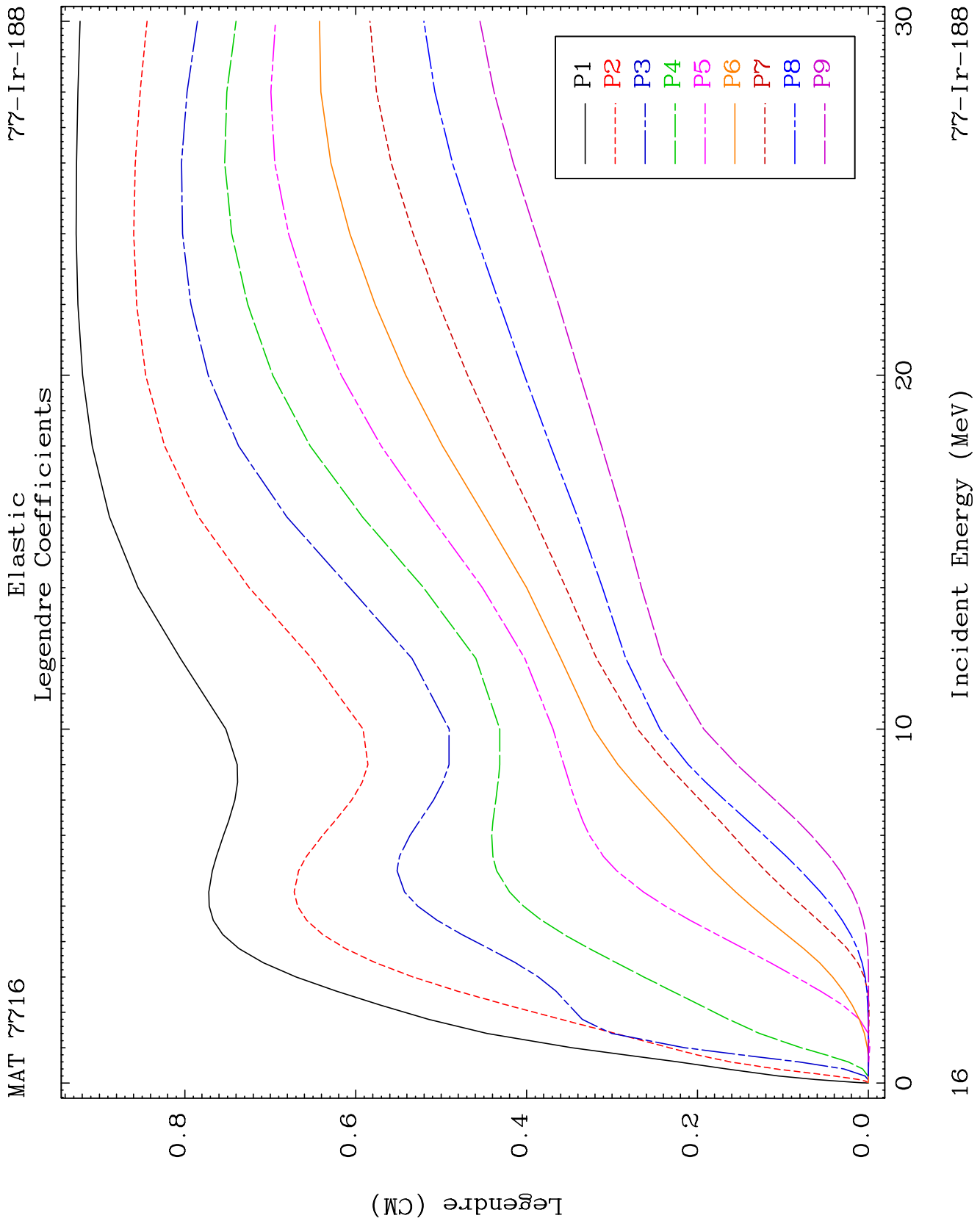
MAT 7716

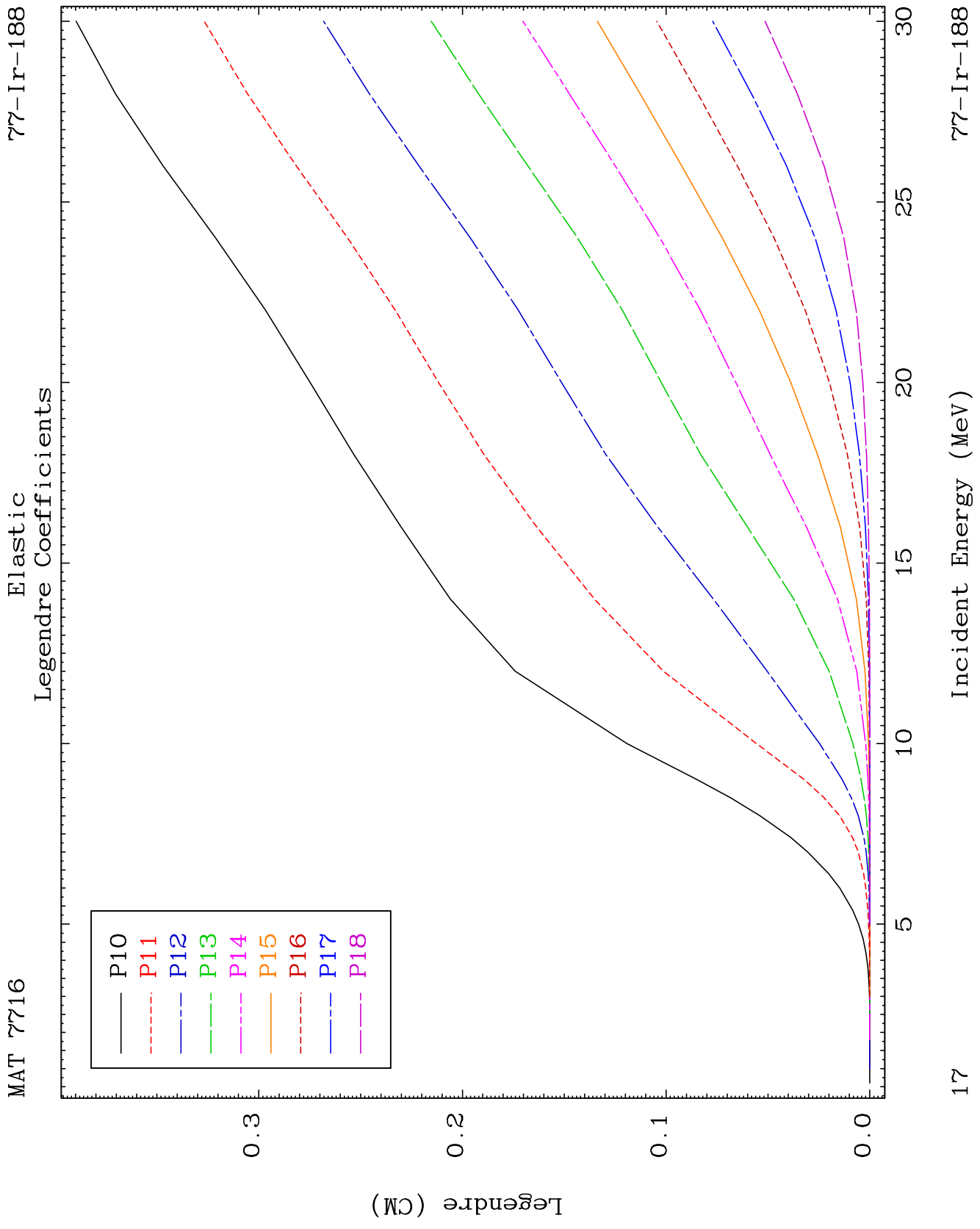
(n,α) Levels
293 Kelvin Cross Sections

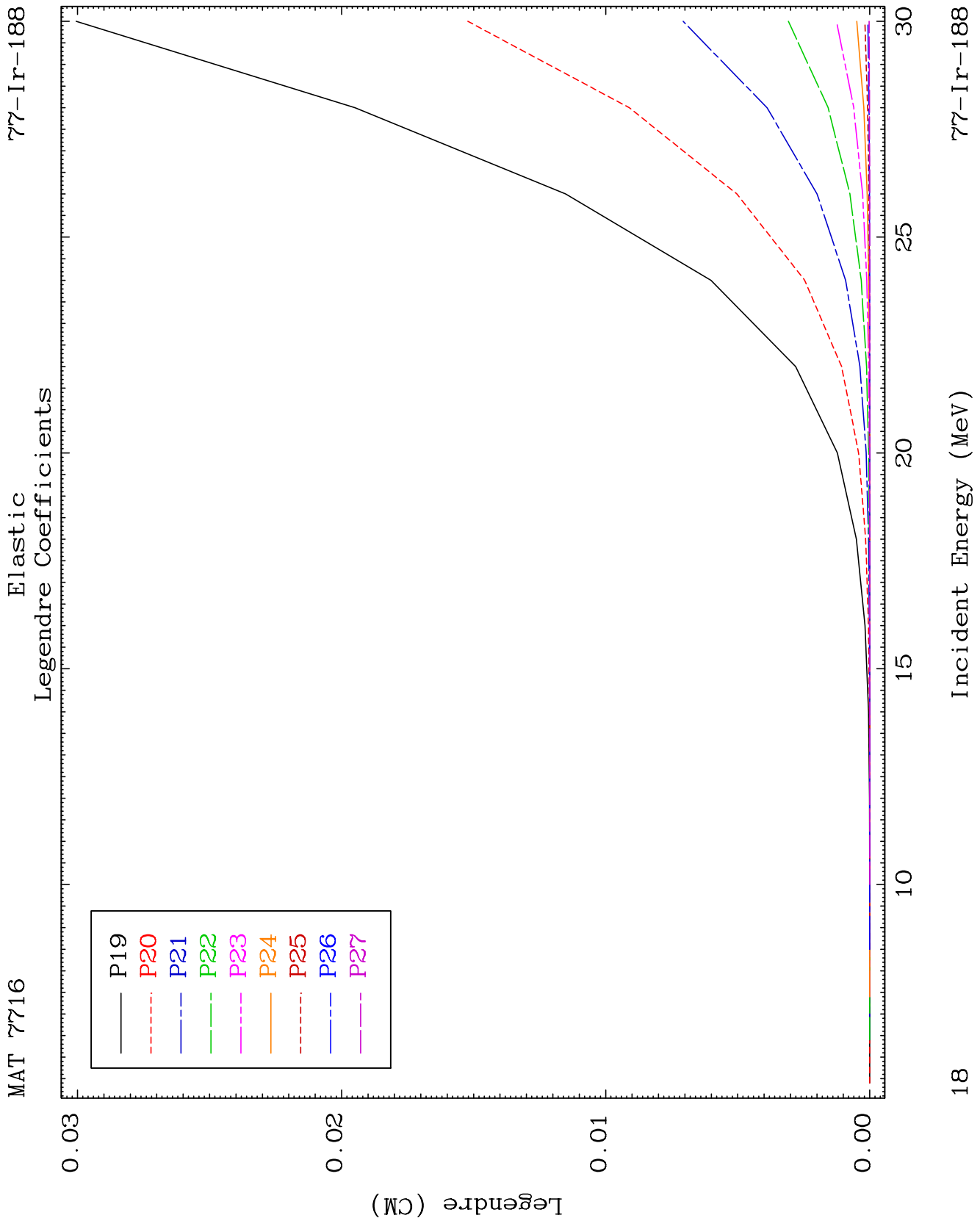
77-Ir-188







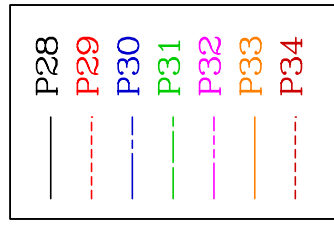




MAT 7716

Elastic
Legendre Coefficients

77-Ir-188



$\times 10^{-68}$

Legendre (CM)

6

4

2

0

15

20

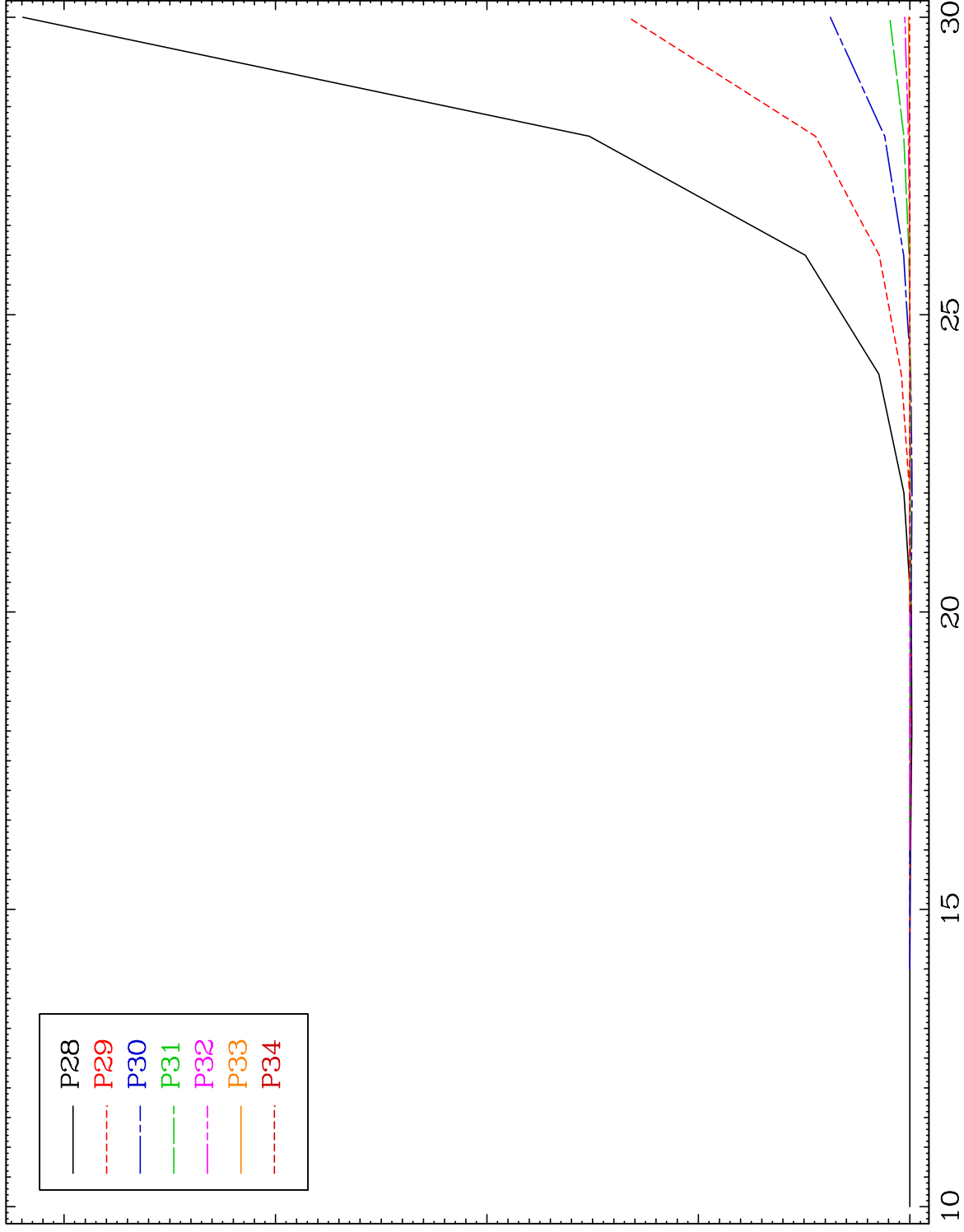
25

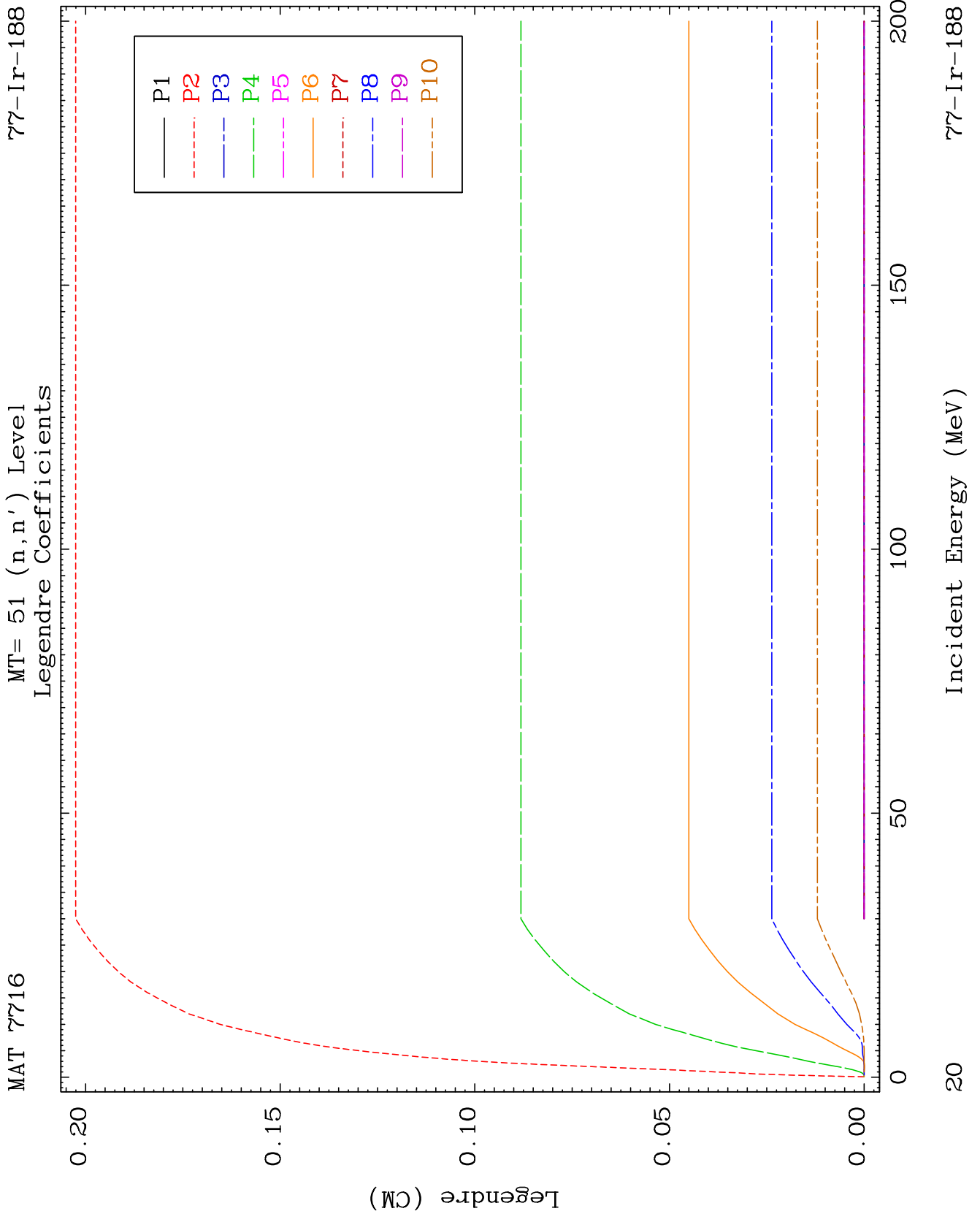
30

19

Incident Energy (MeV)

77-Ir-188

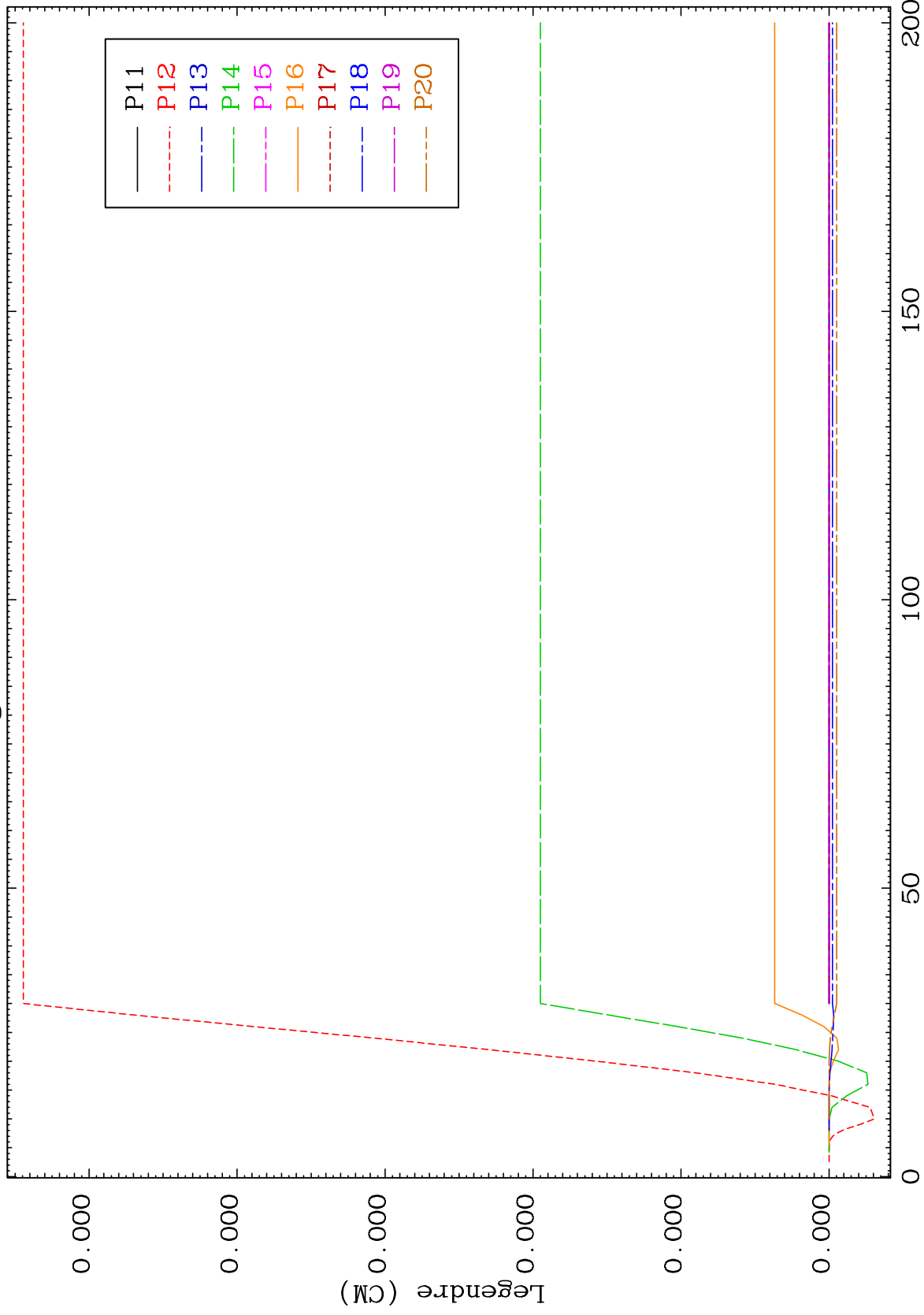




MAT 7716

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

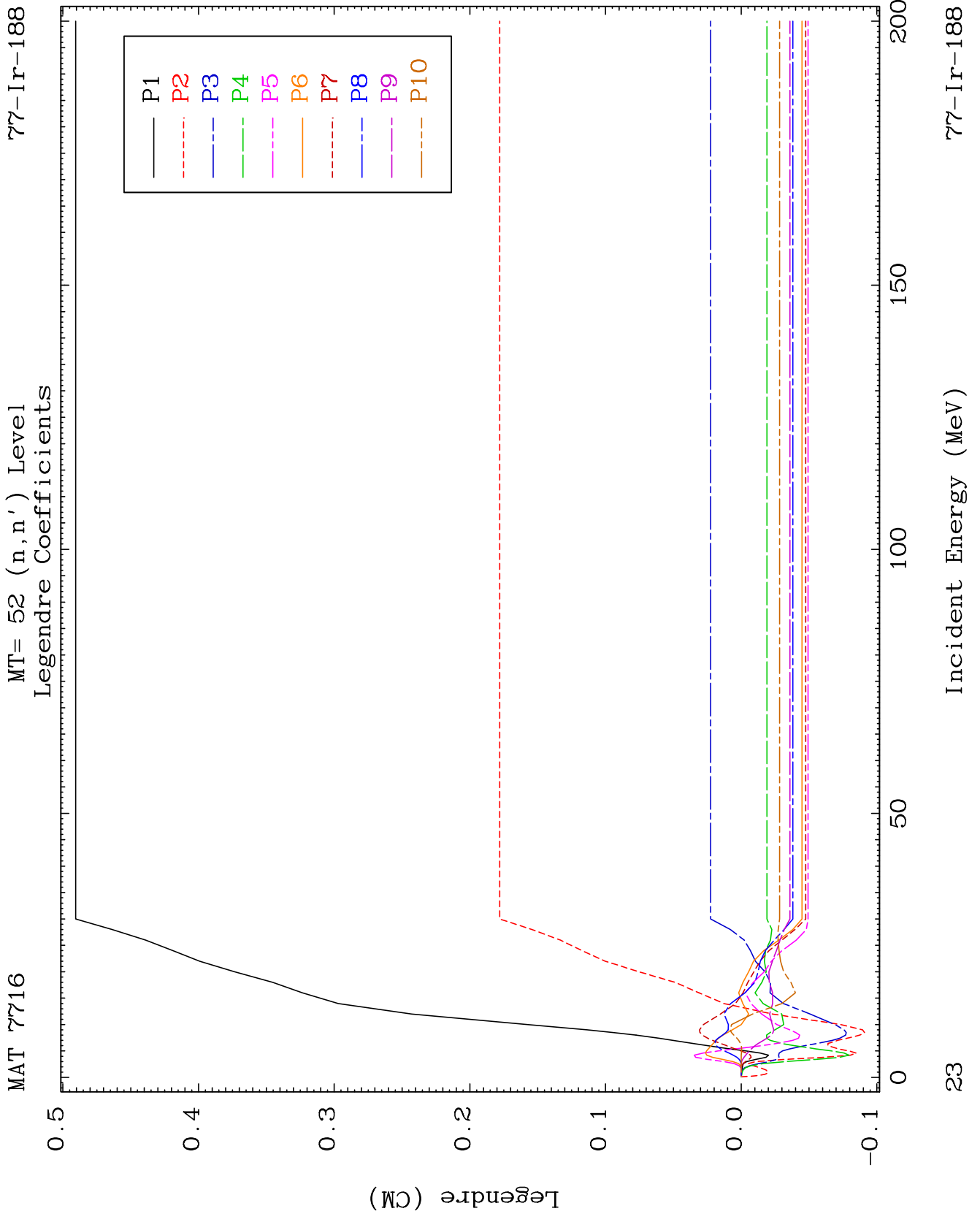
77-Ir-188



21

Incident Energy (MeV)

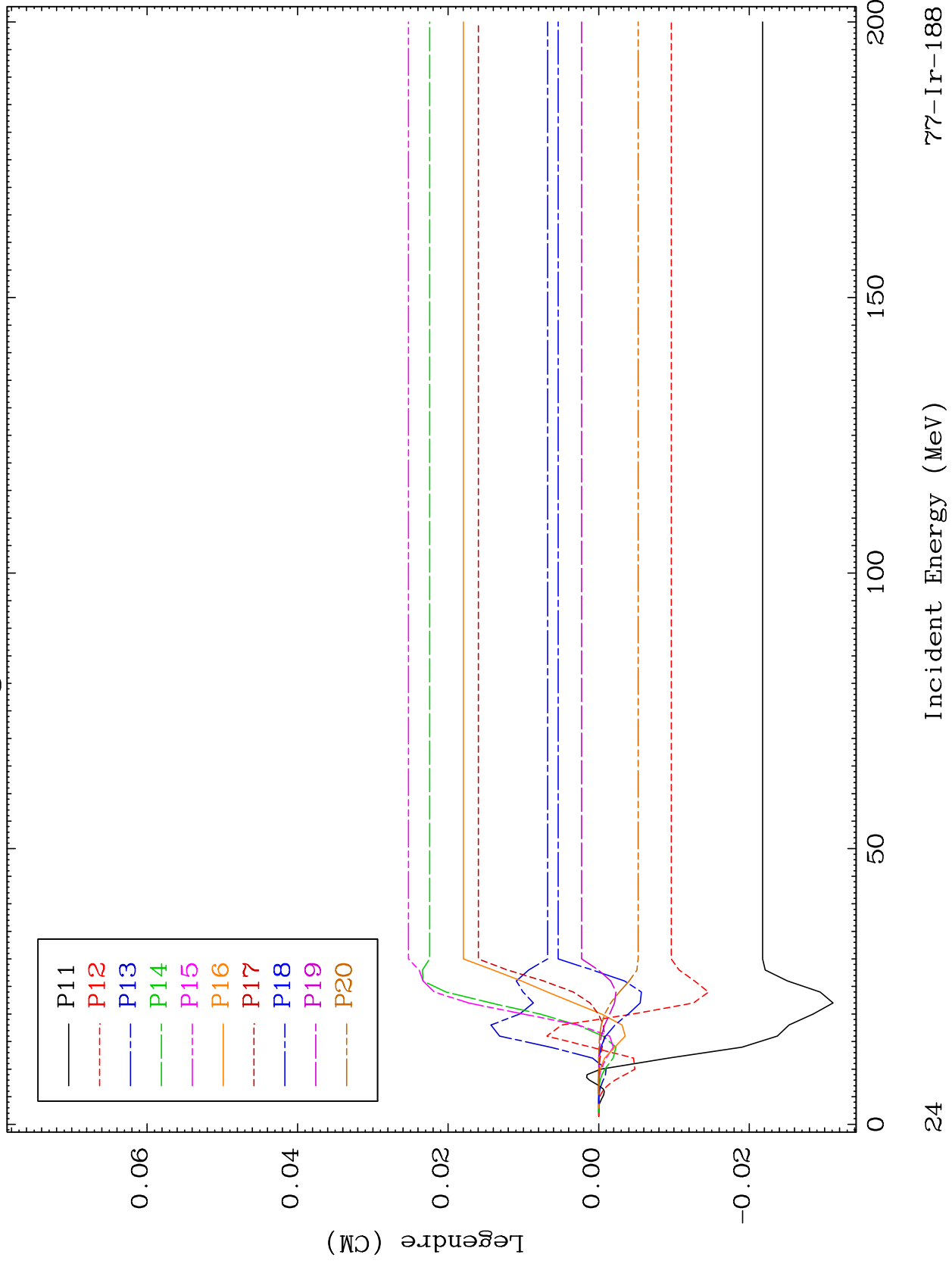
77-Ir-188



MAT 7716

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

77-Ir-188



24

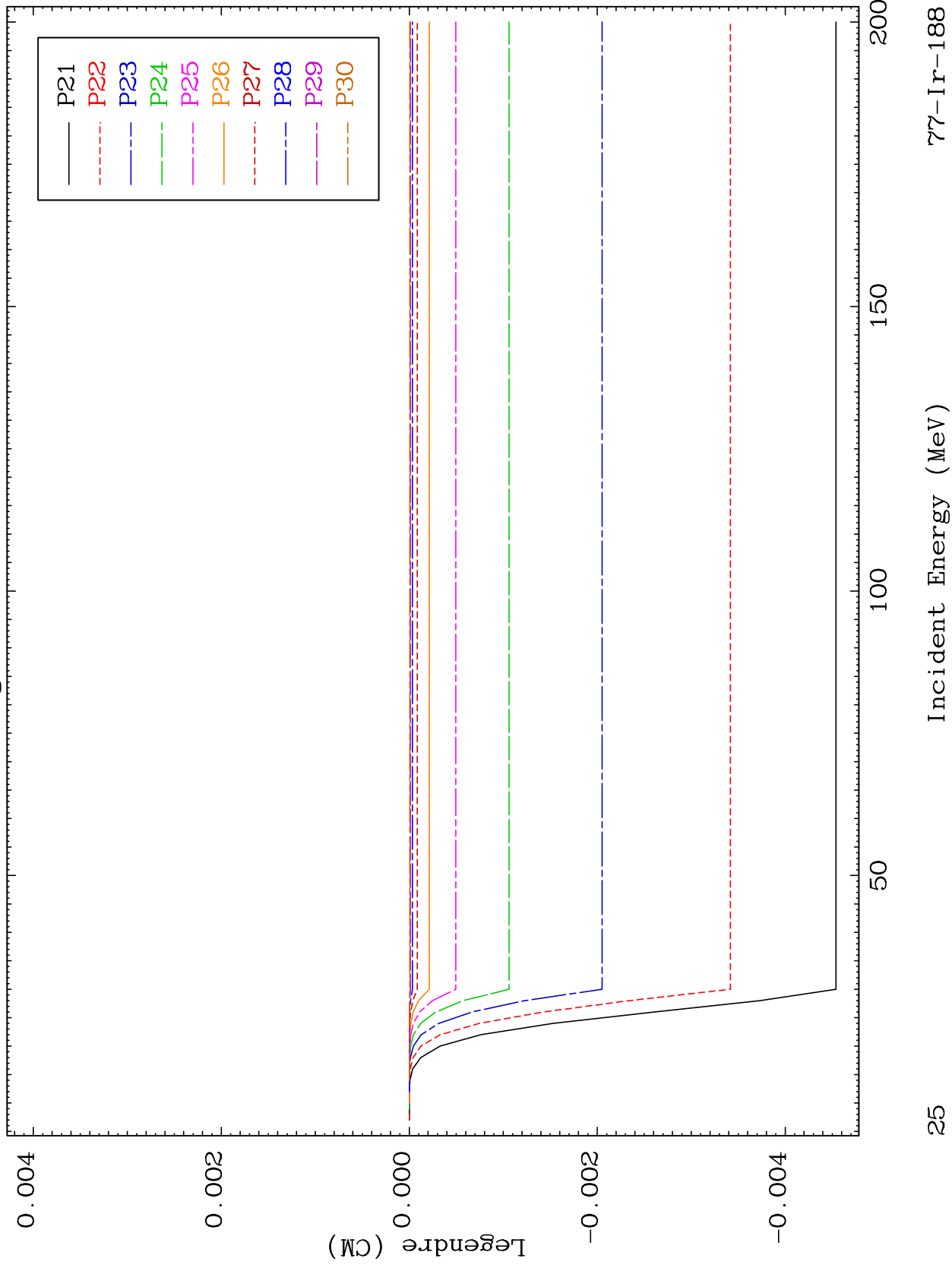
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

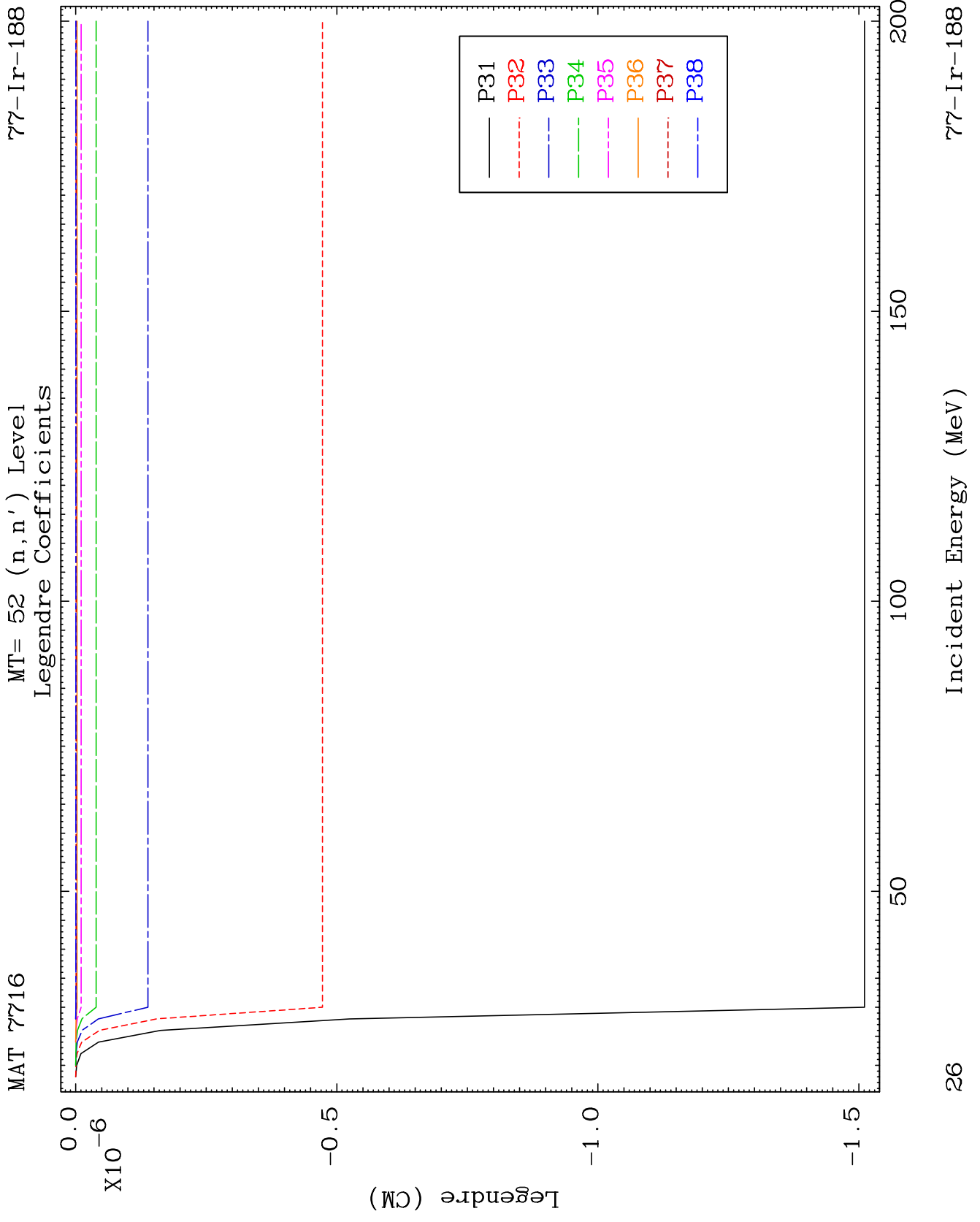
77-Ir-188

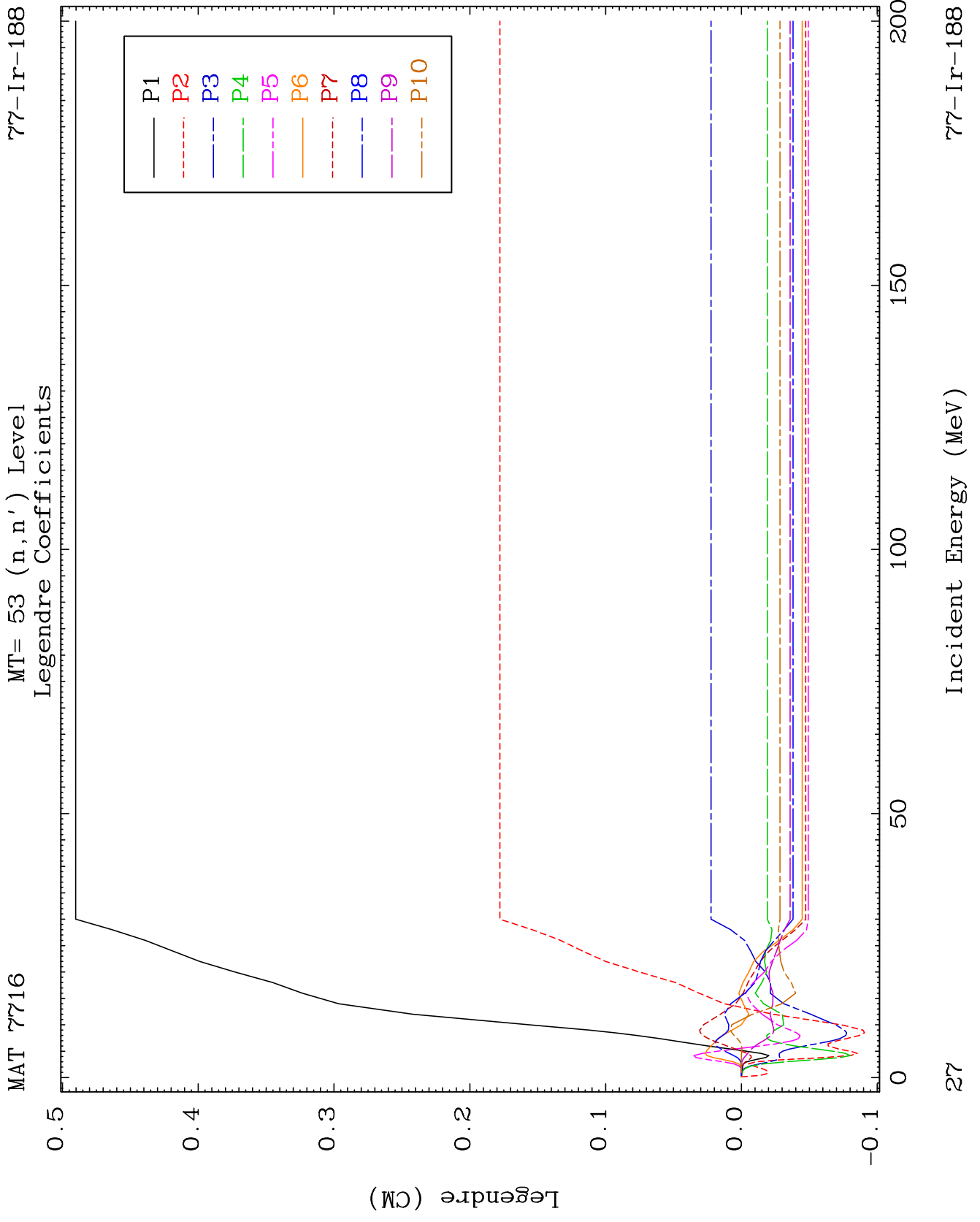


25

Incident Energy (MeV)

77-Ir-188

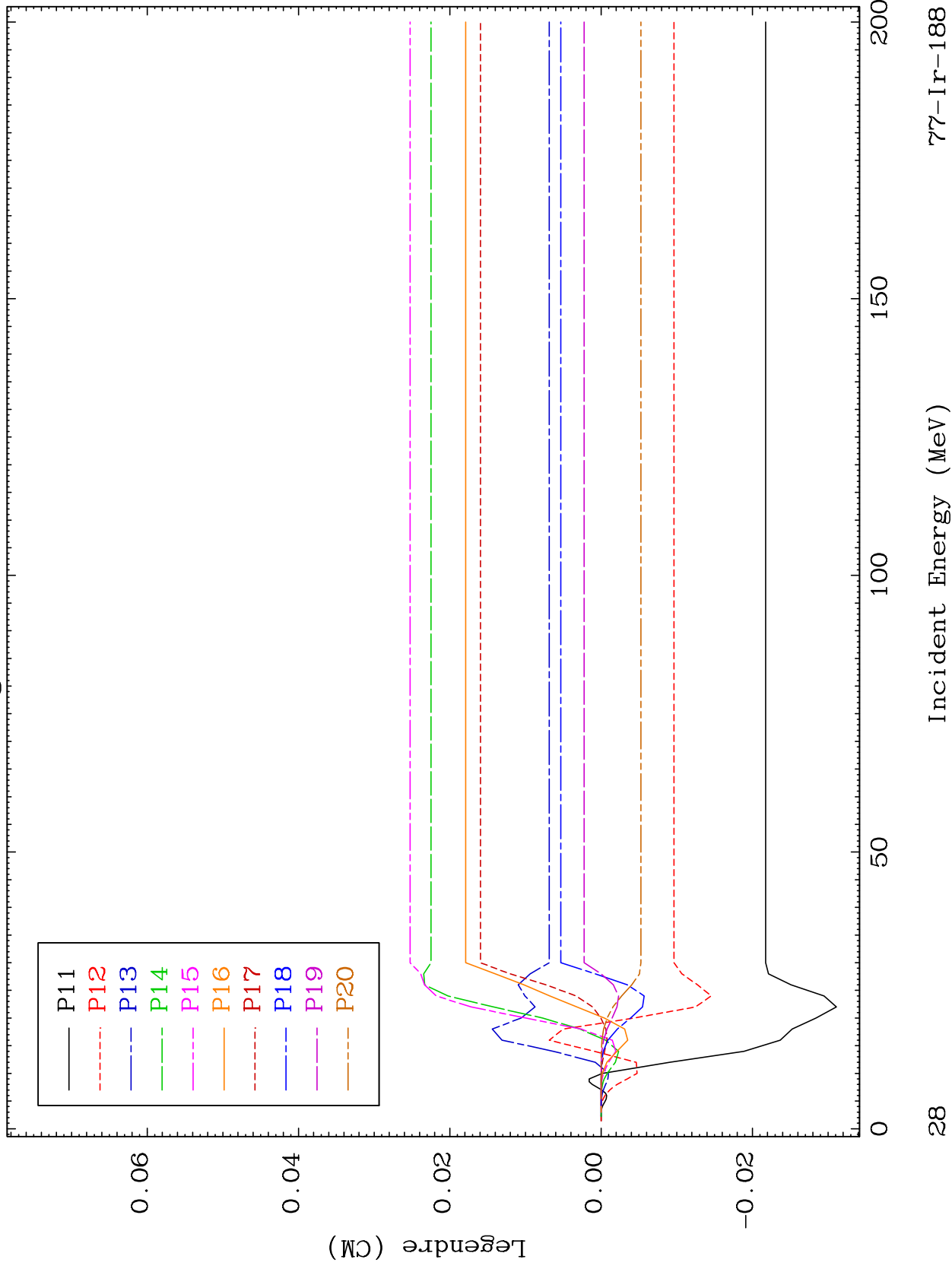




MAT 7716

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

77-Ir-188



77-Ir-188

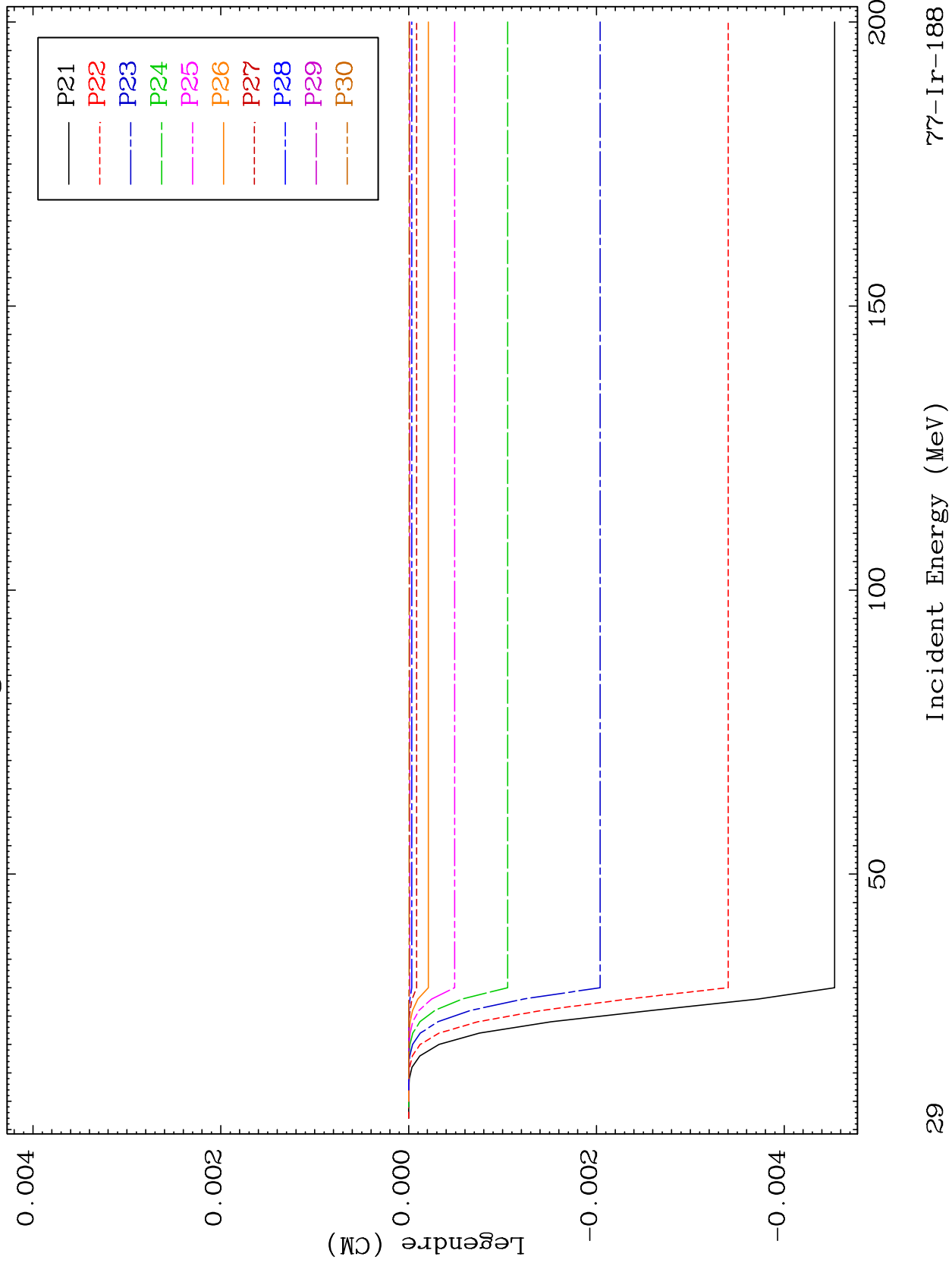
Incident Energy (MeV)

28

MAT 7716

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

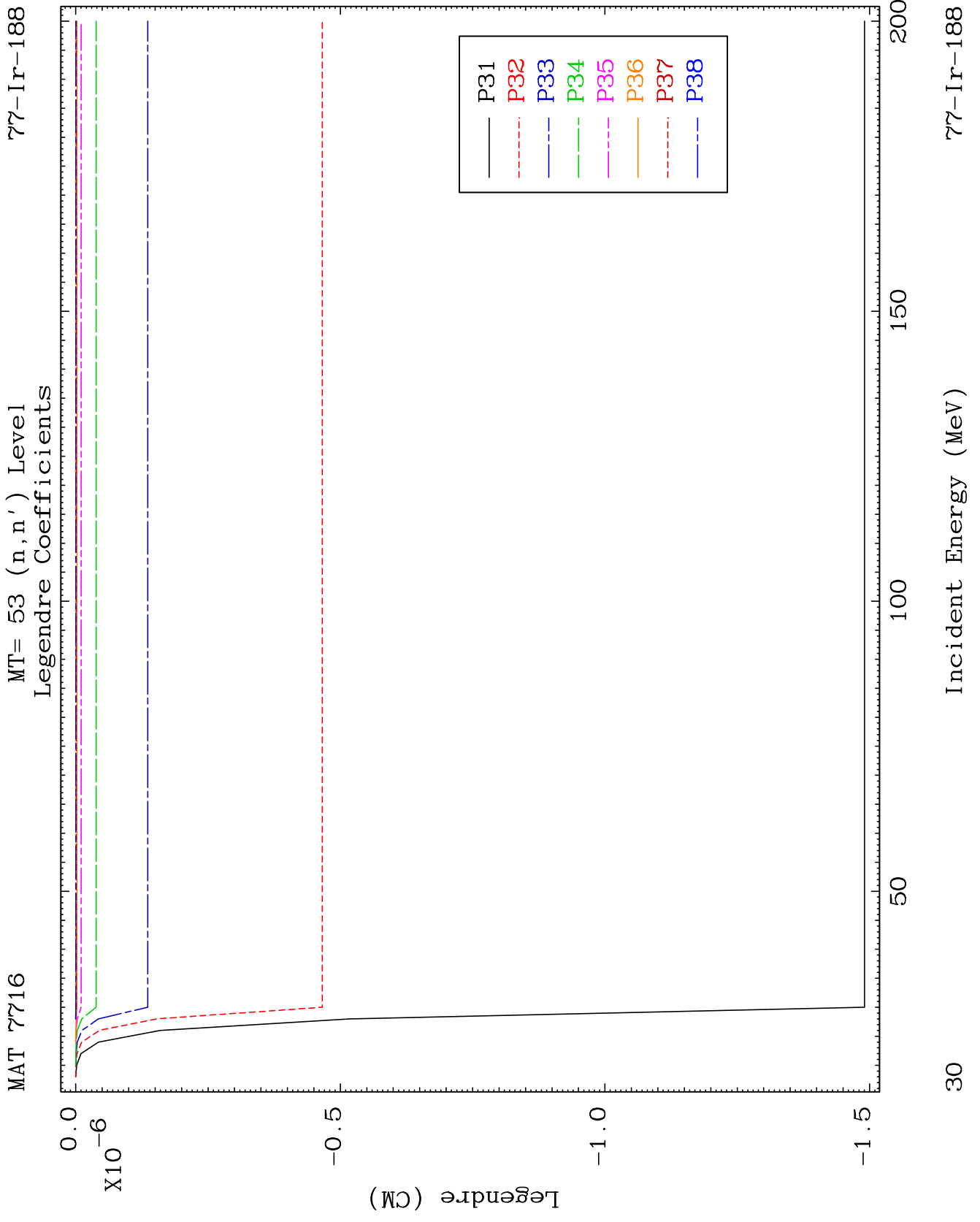
77-Ir-188

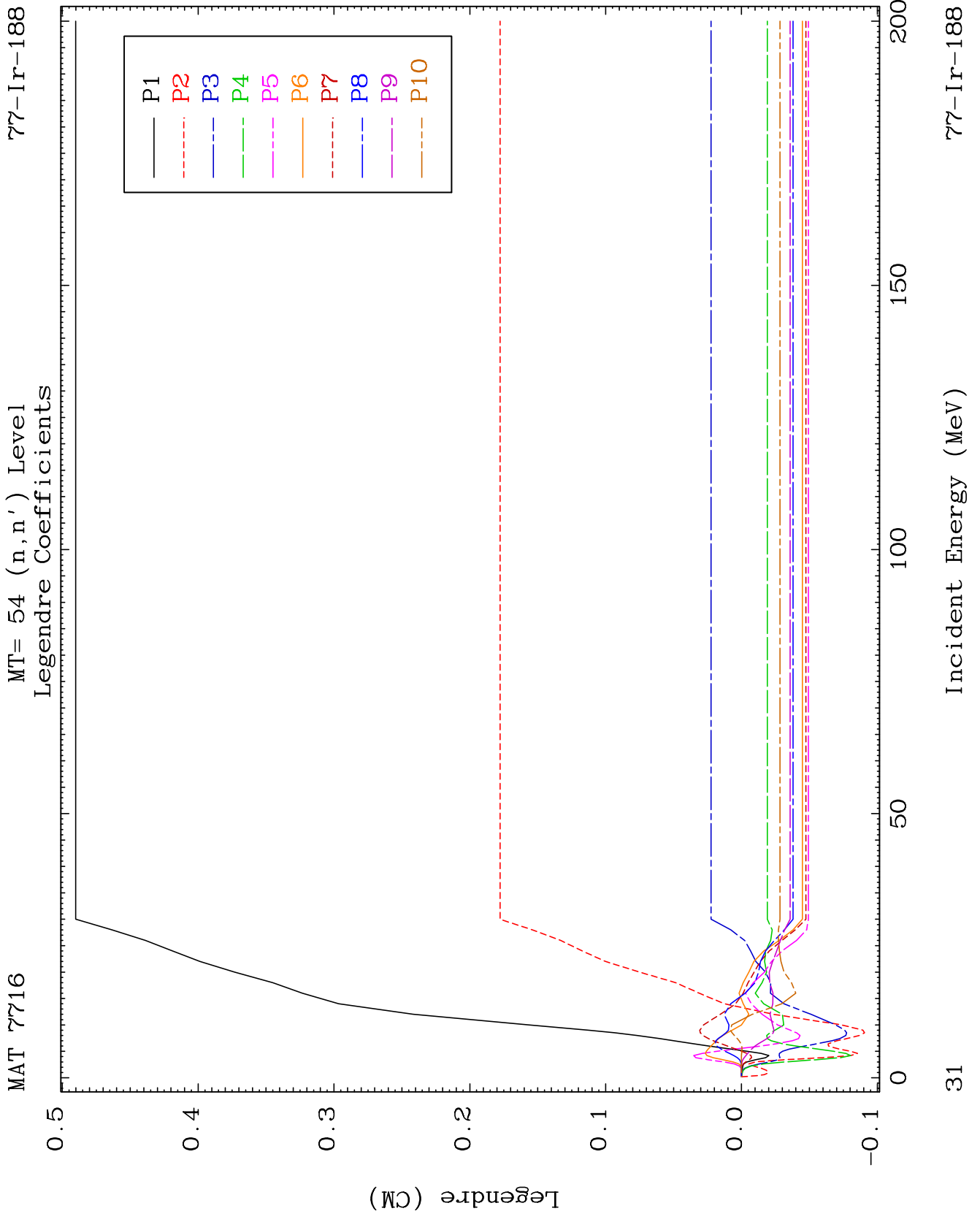


29

Incident Energy (MeV)

77-Ir-188

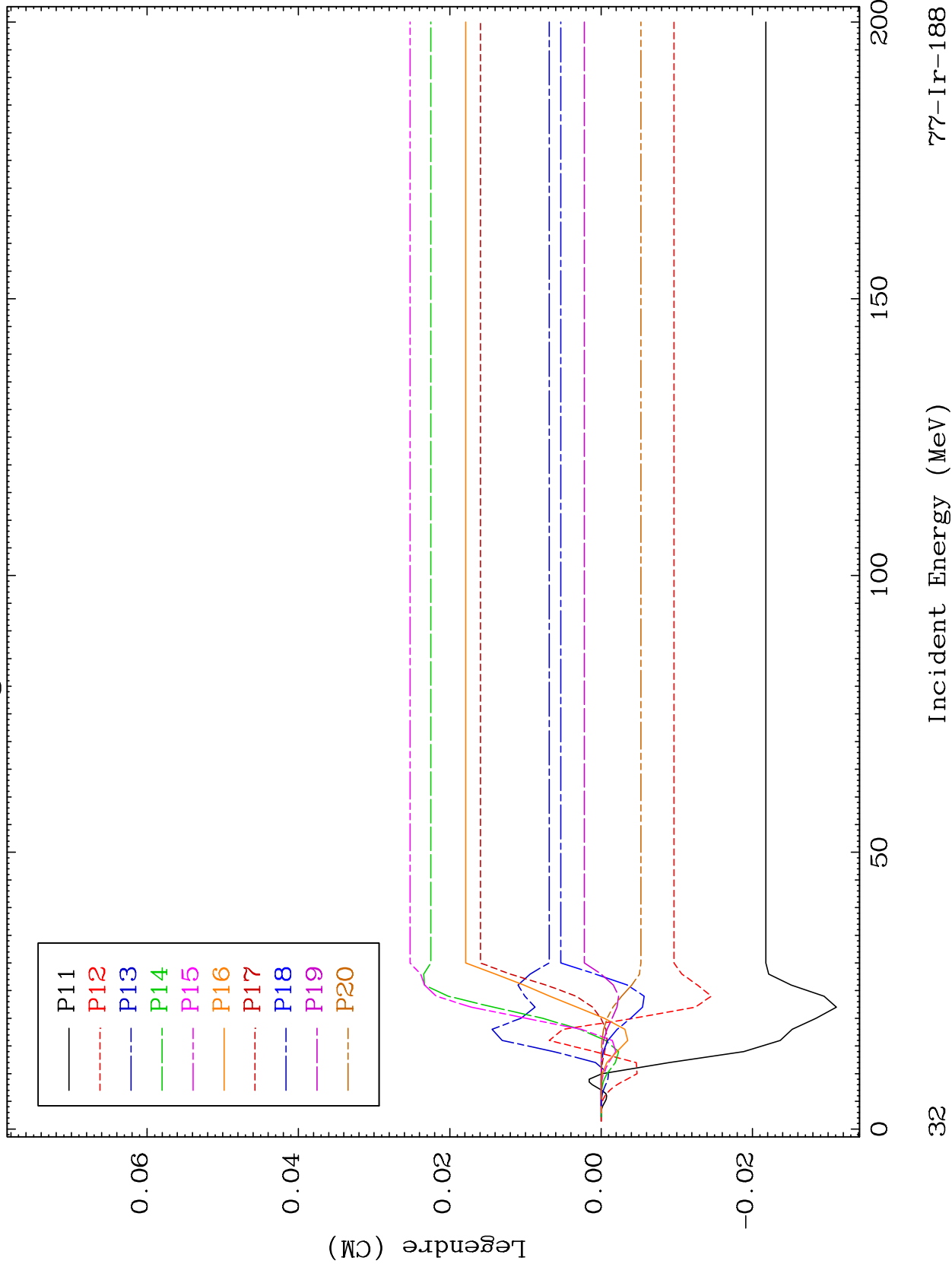




MAT 7716

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

77-Ir-188



32

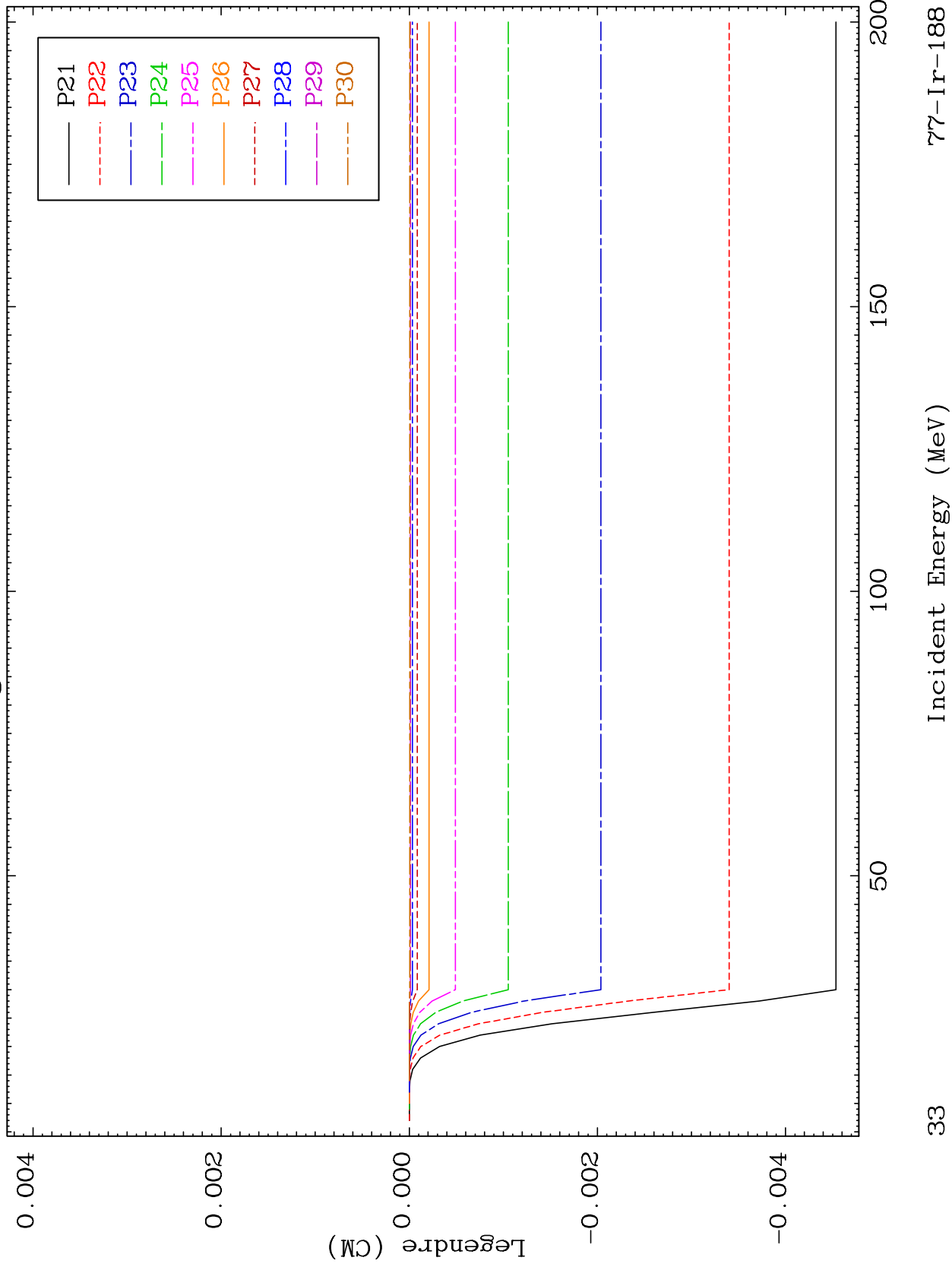
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

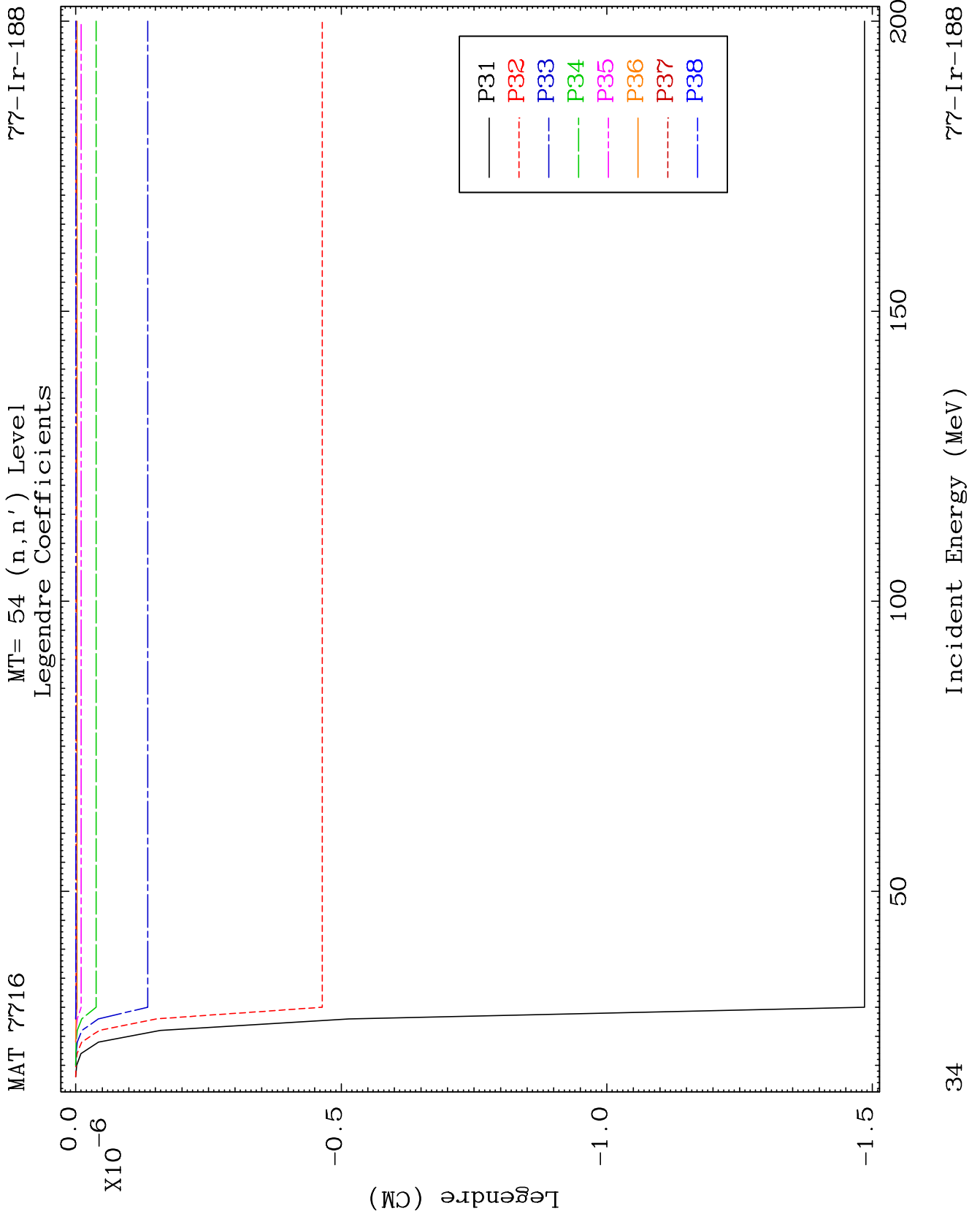
77-Ir-188



33

Incident Energy (MeV)

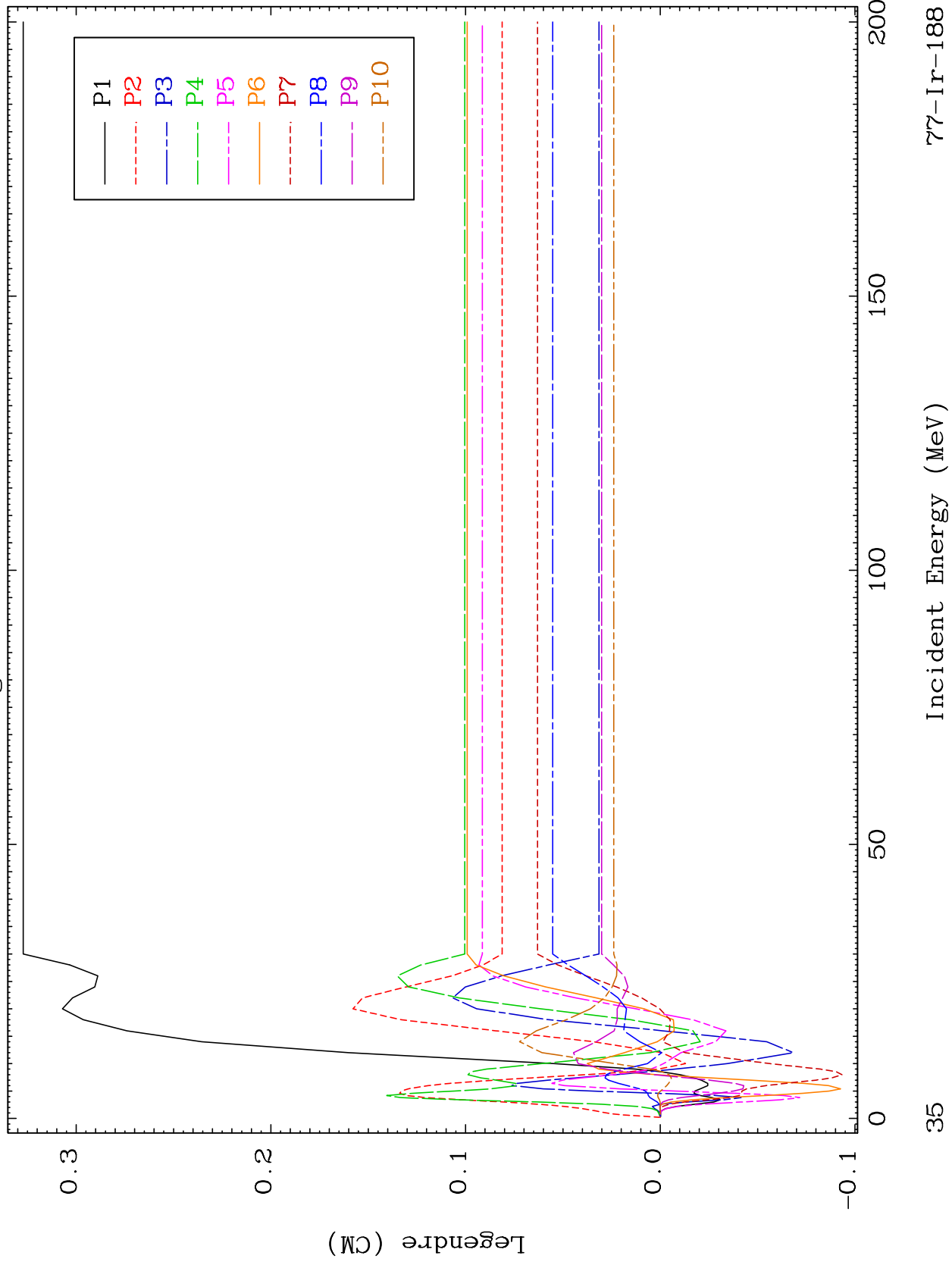
77-Ir-188



MAT 7716

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

77-Ir-188



77-Ir-188

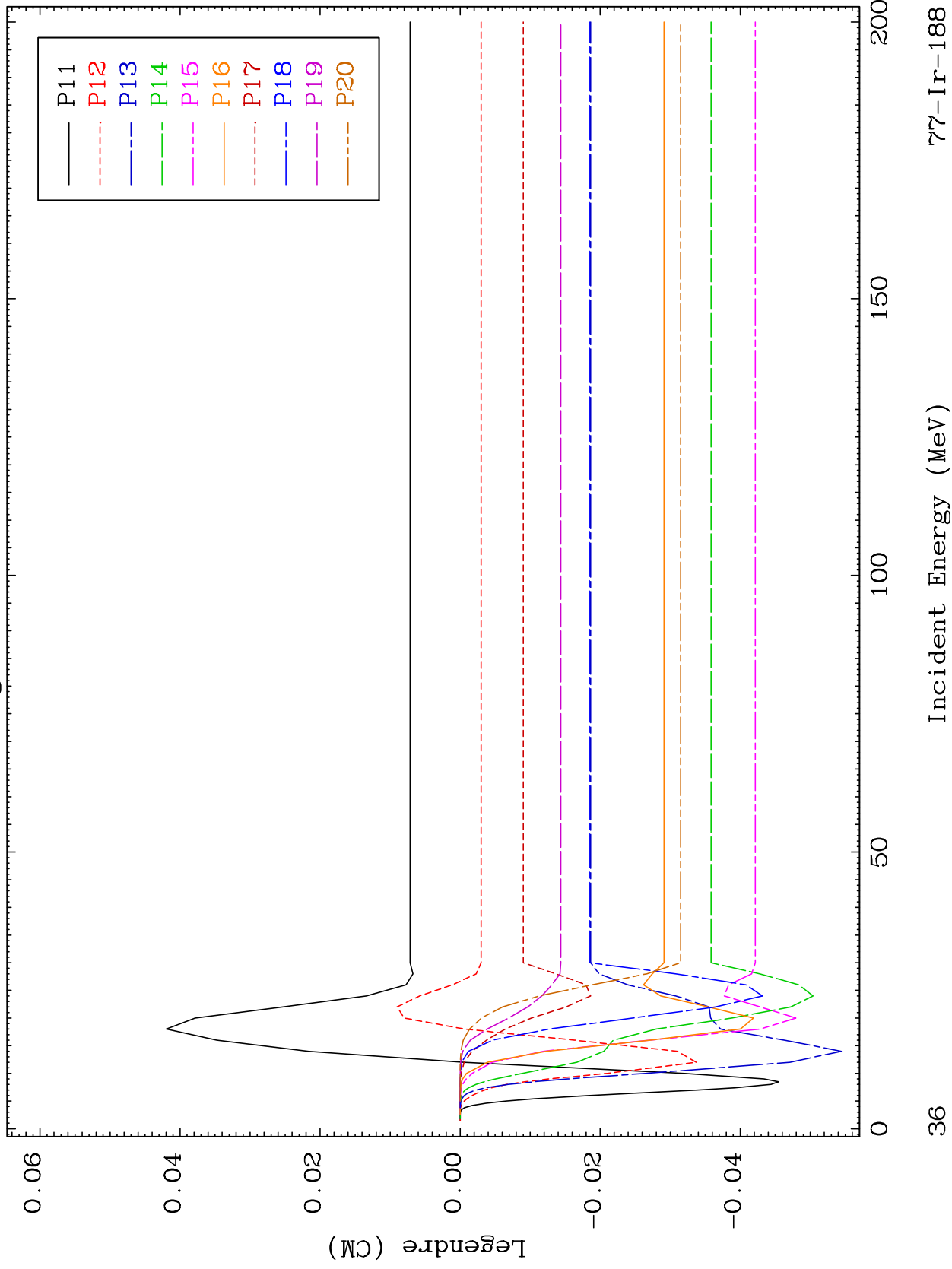
Incident Energy (MeV)

35

MAT 7716

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

77-Ir-188



77-Ir-188

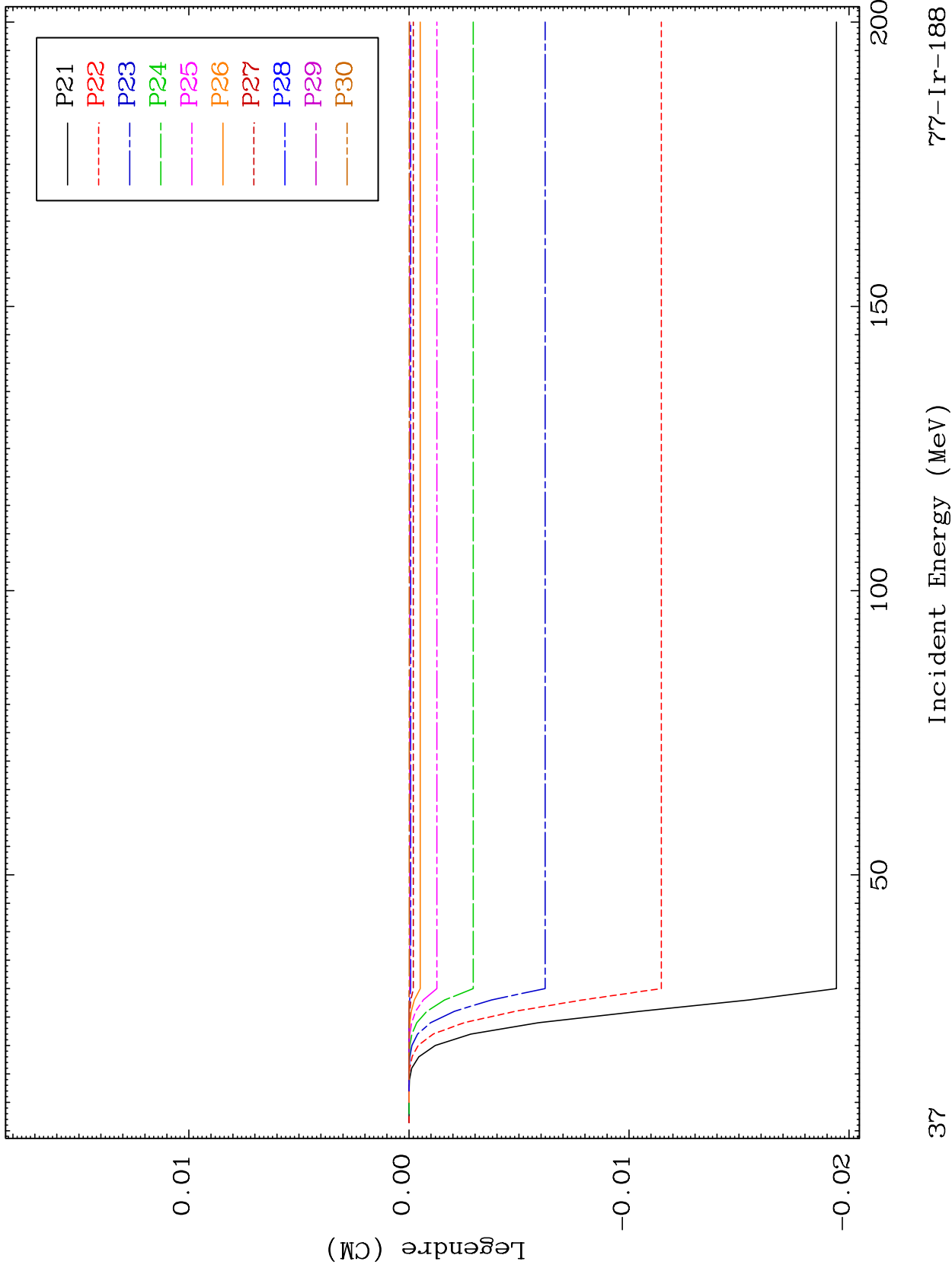
Incident Energy (MeV)

36

MAT 7716

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

77-Ir-188



37

Incident Energy (MeV)

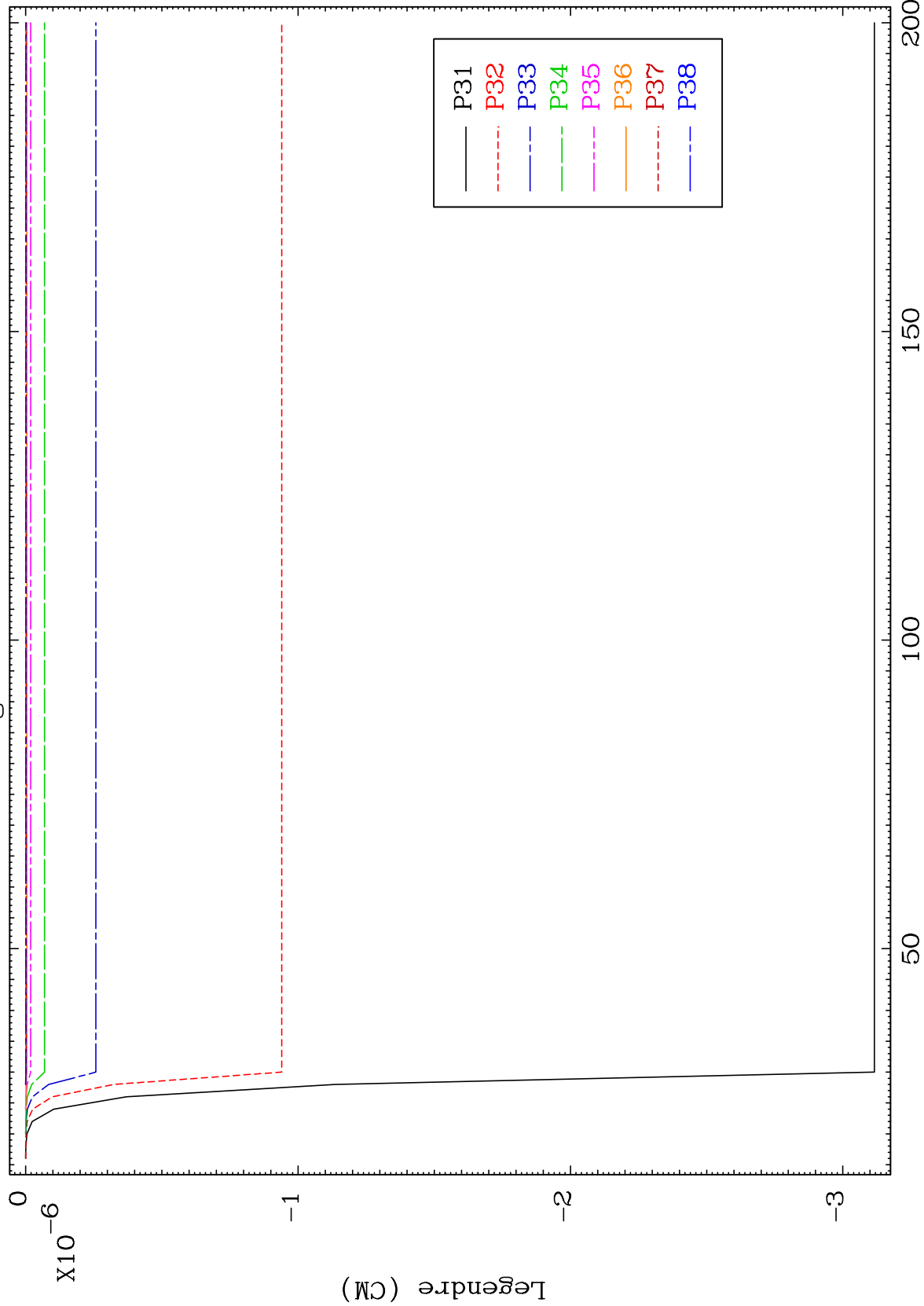
77-Ir-188

MAT 7716

MT= 55 (n,n') Level

77-Ir-188

Legendre Coefficients



38

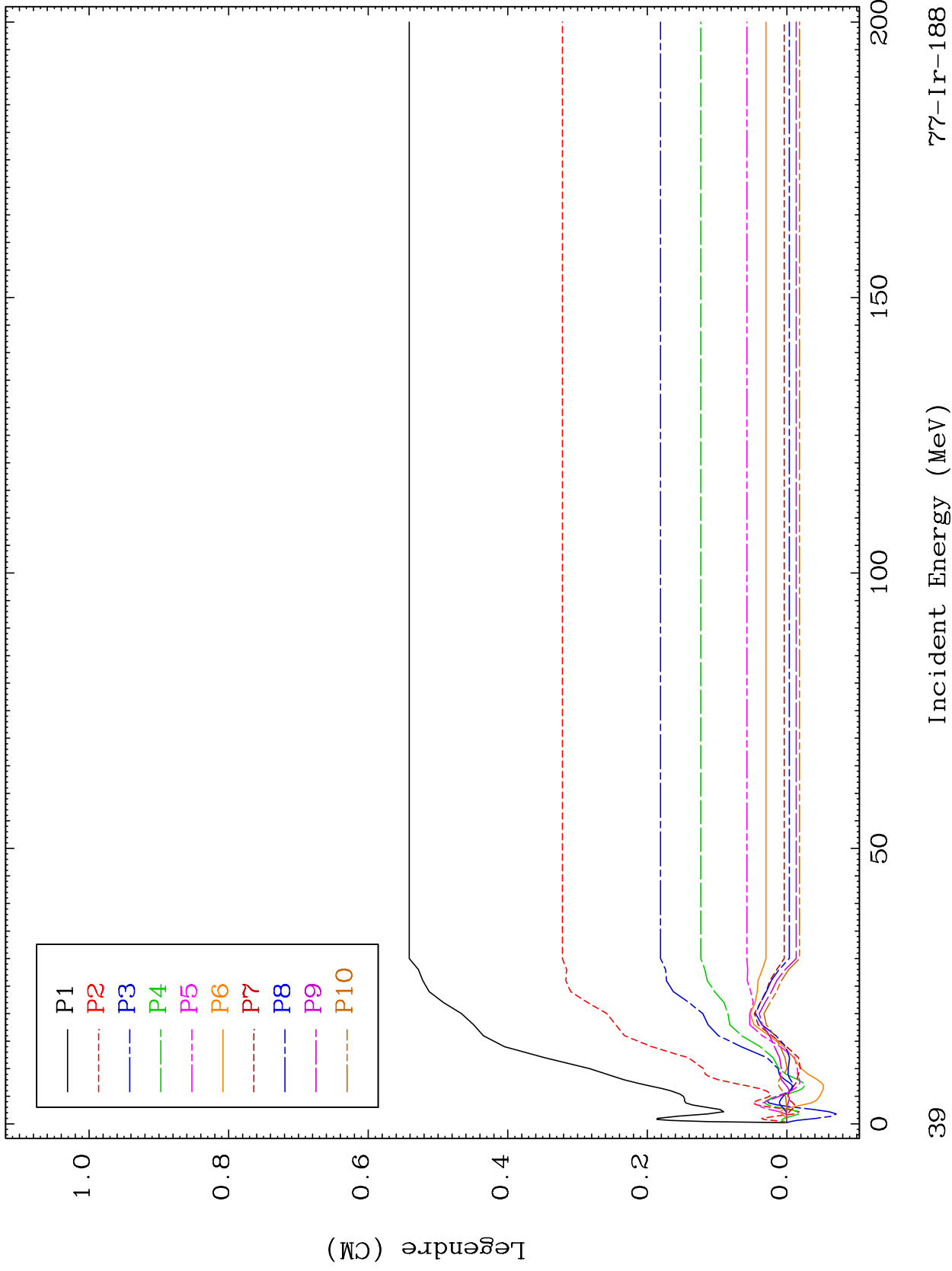
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



39

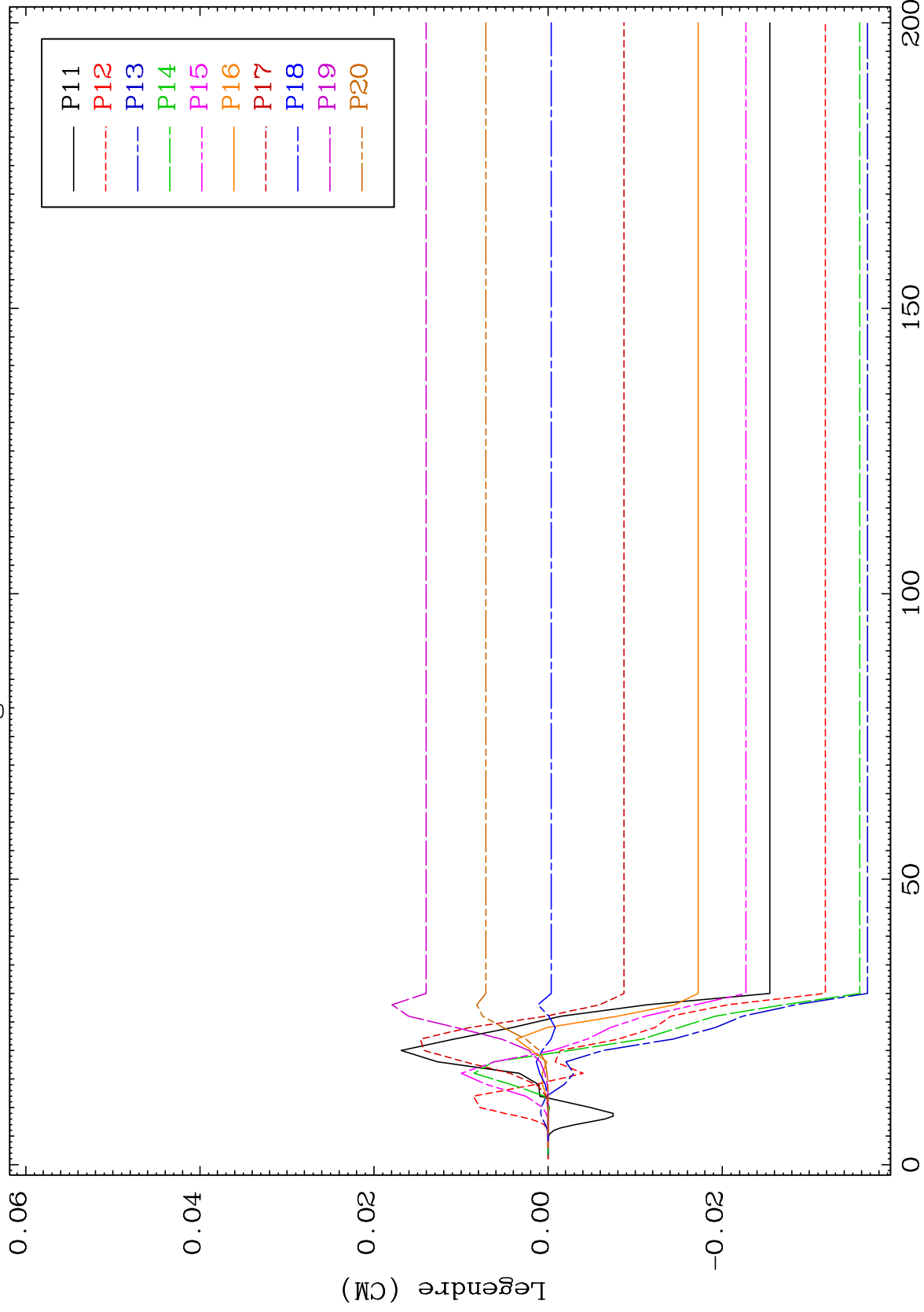
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

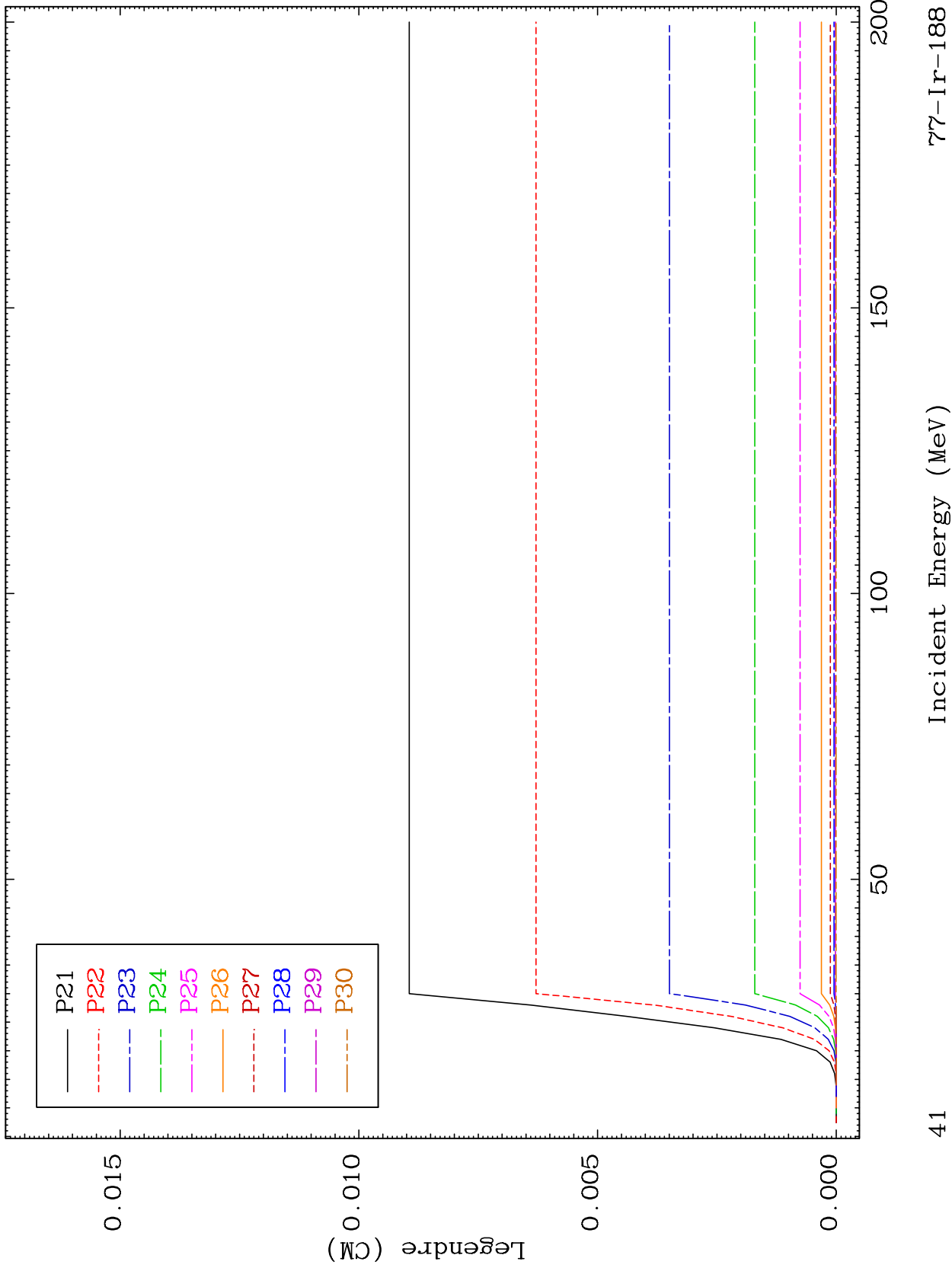
77-Ir-188

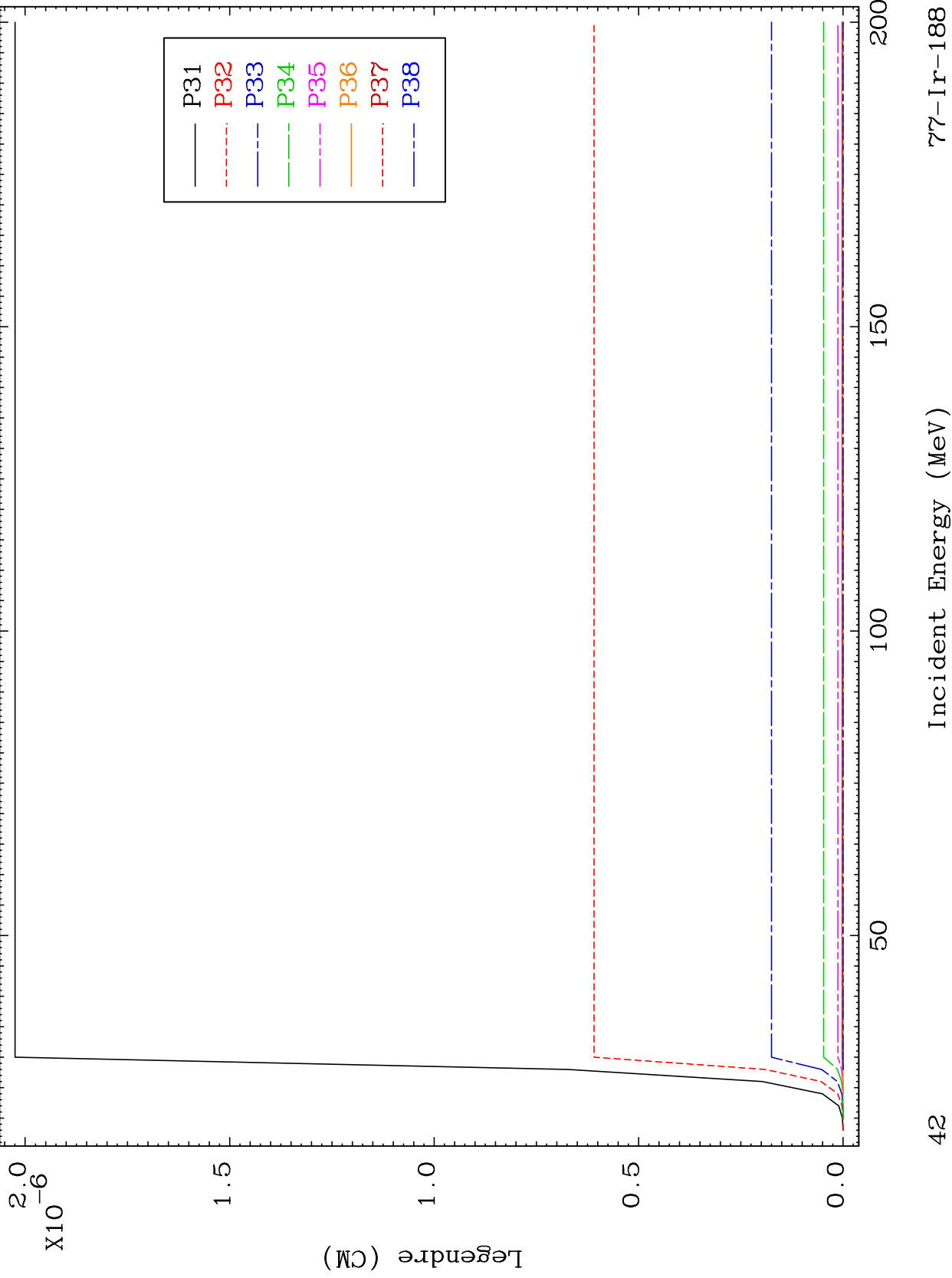


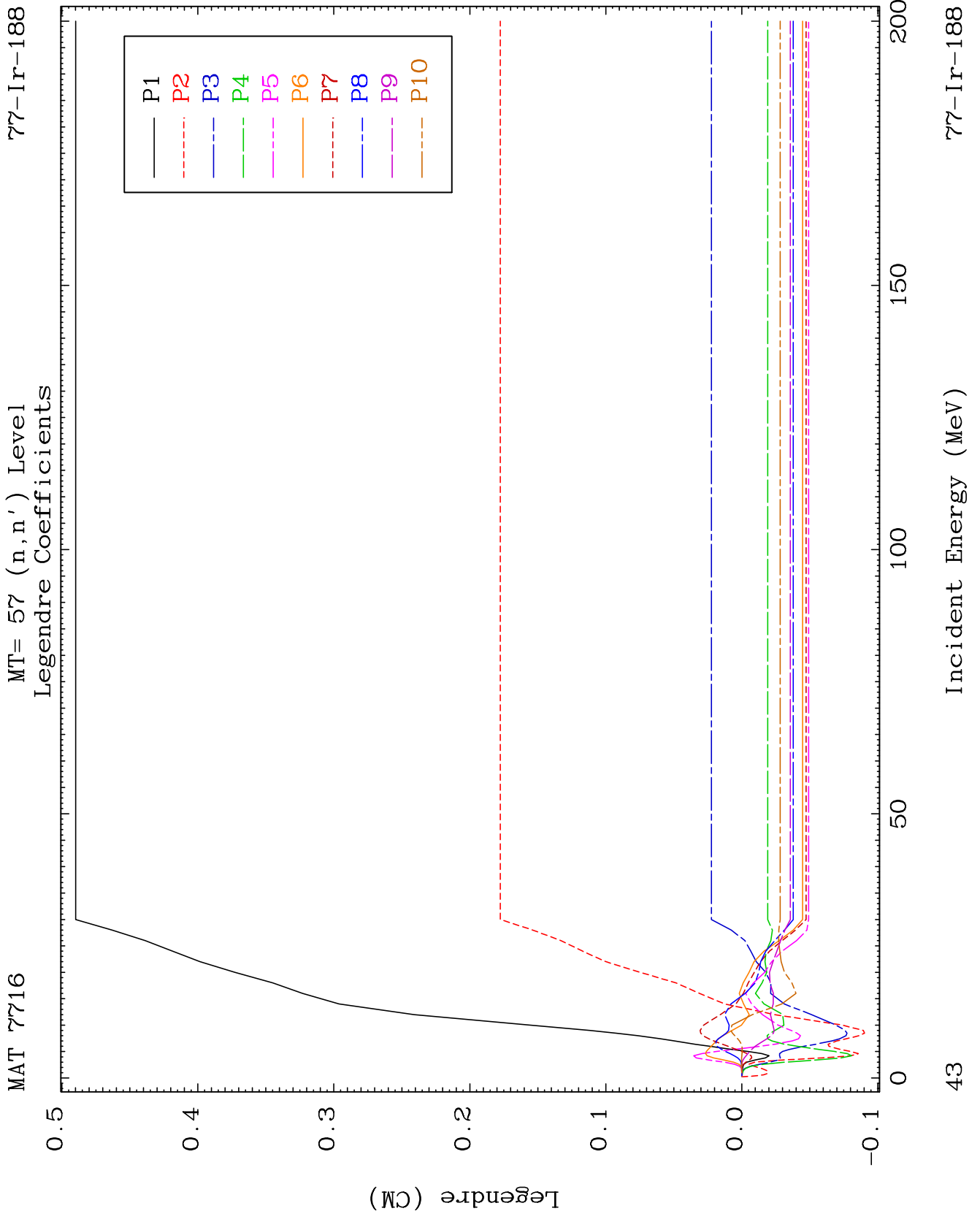
40

Incident Energy (MeV)

77-Ir-188



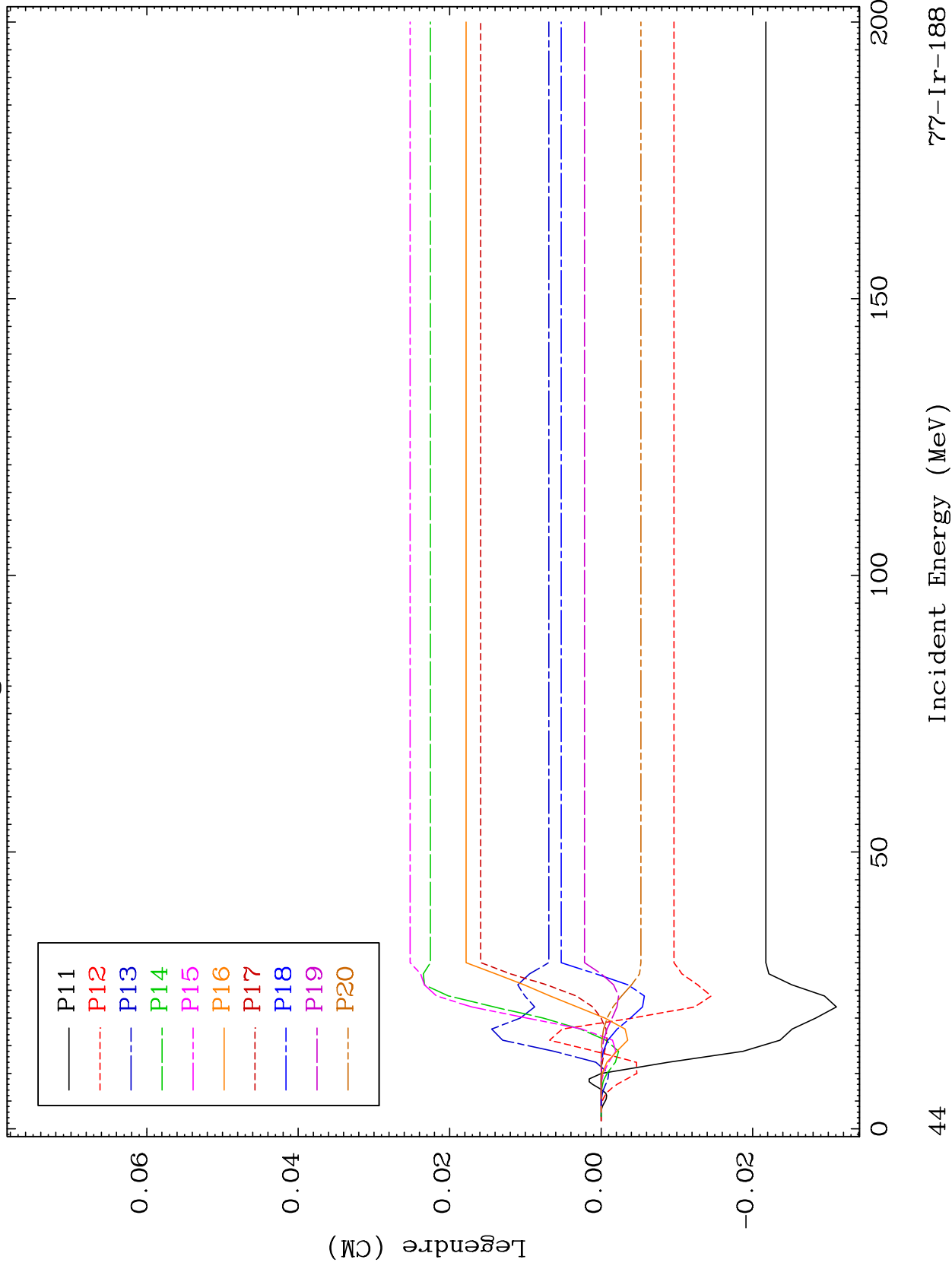




MAT 7716

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

77-Ir-188



44

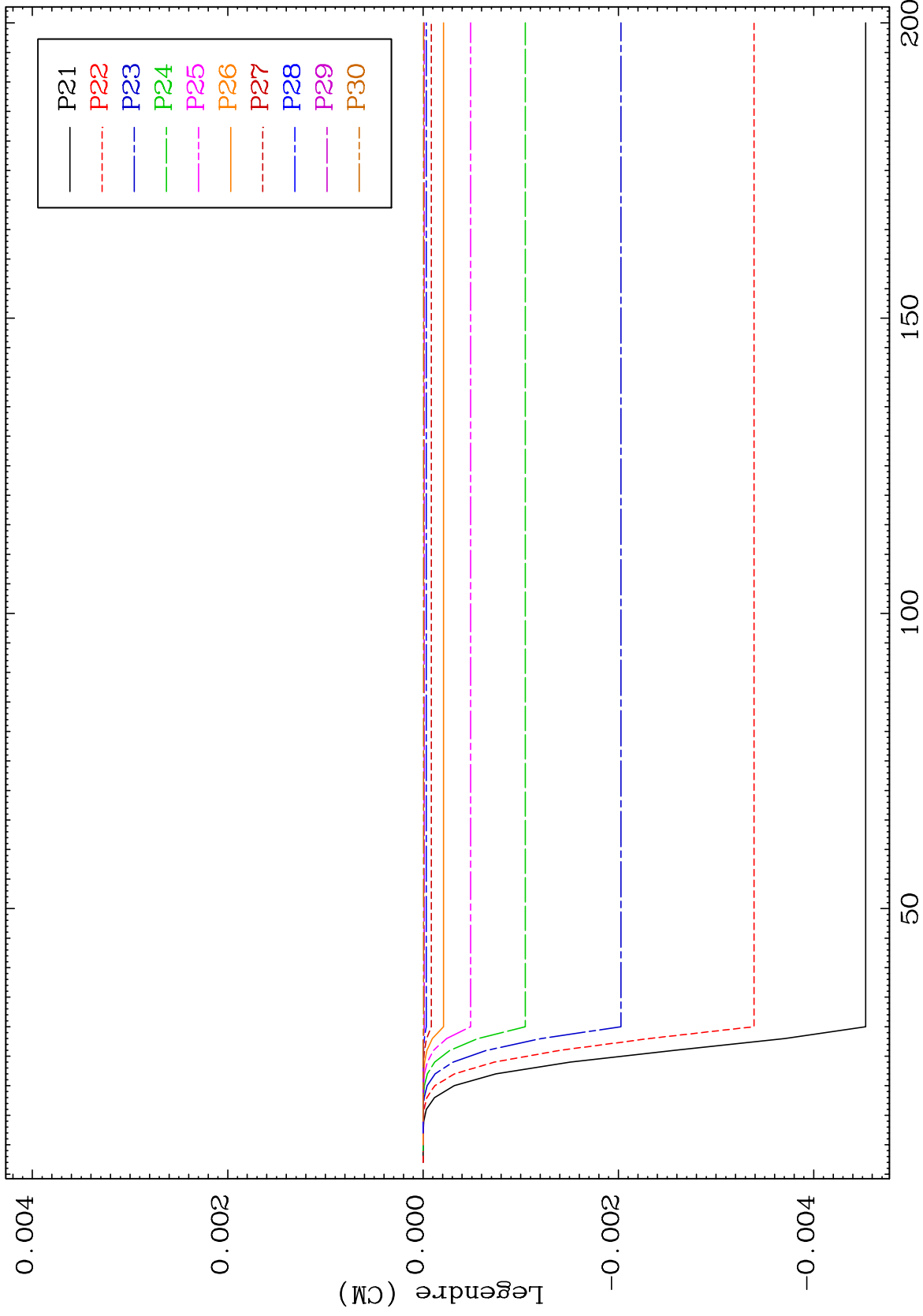
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

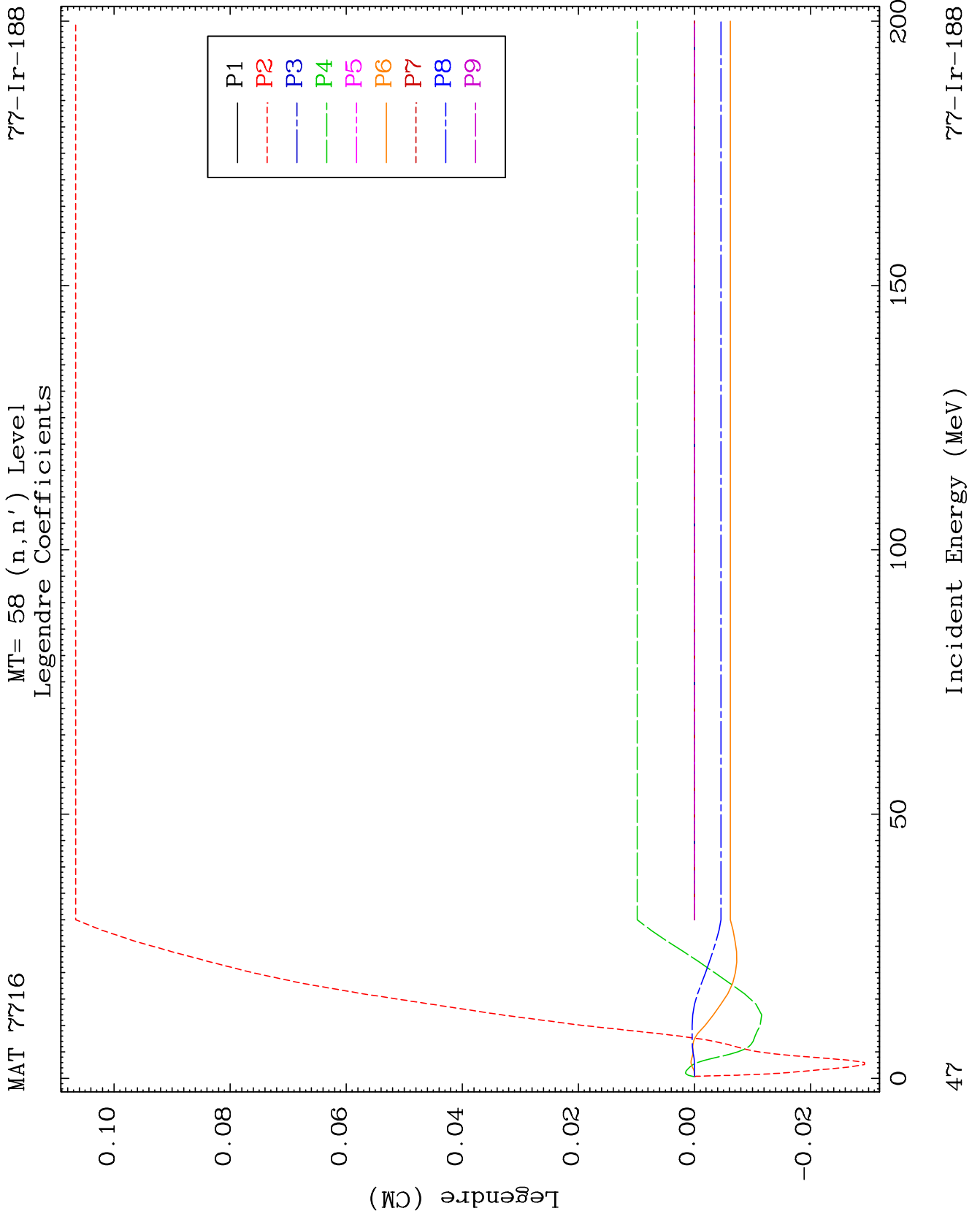
77-Ir-188



45

Incident Energy (MeV)

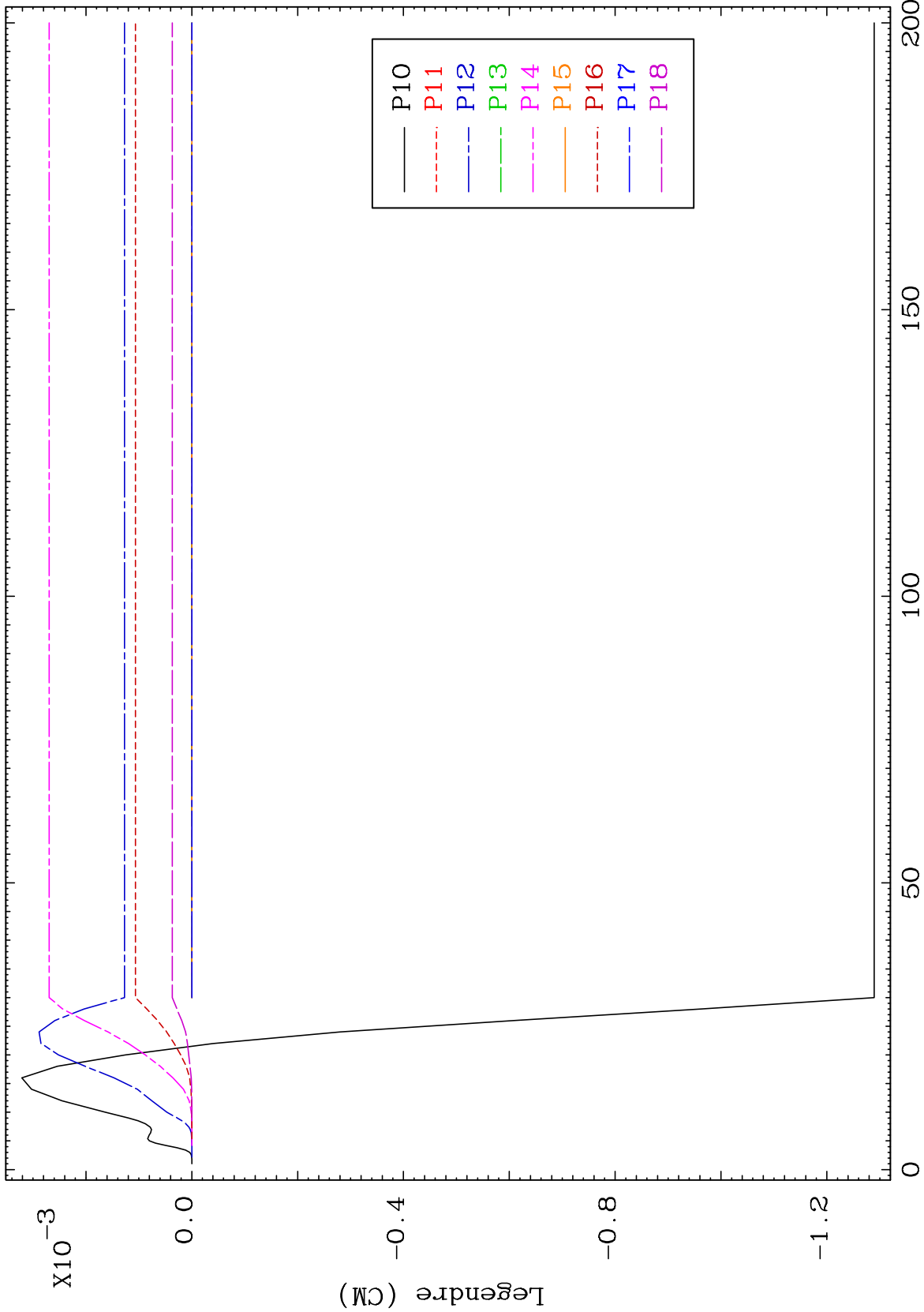
77-Ir-188



MAT 7716

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

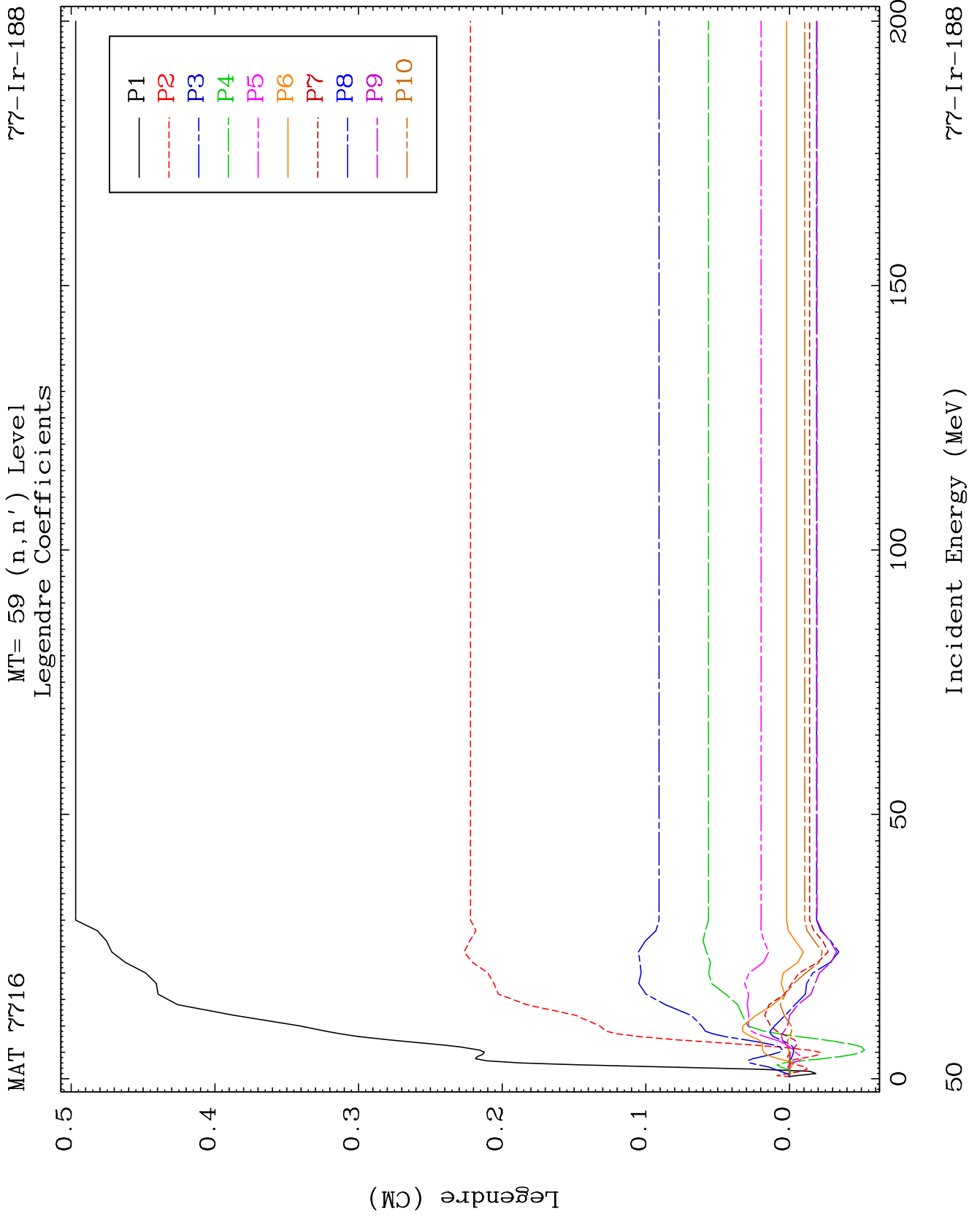
77-Ir-188



48

Incident Energy (MeV)

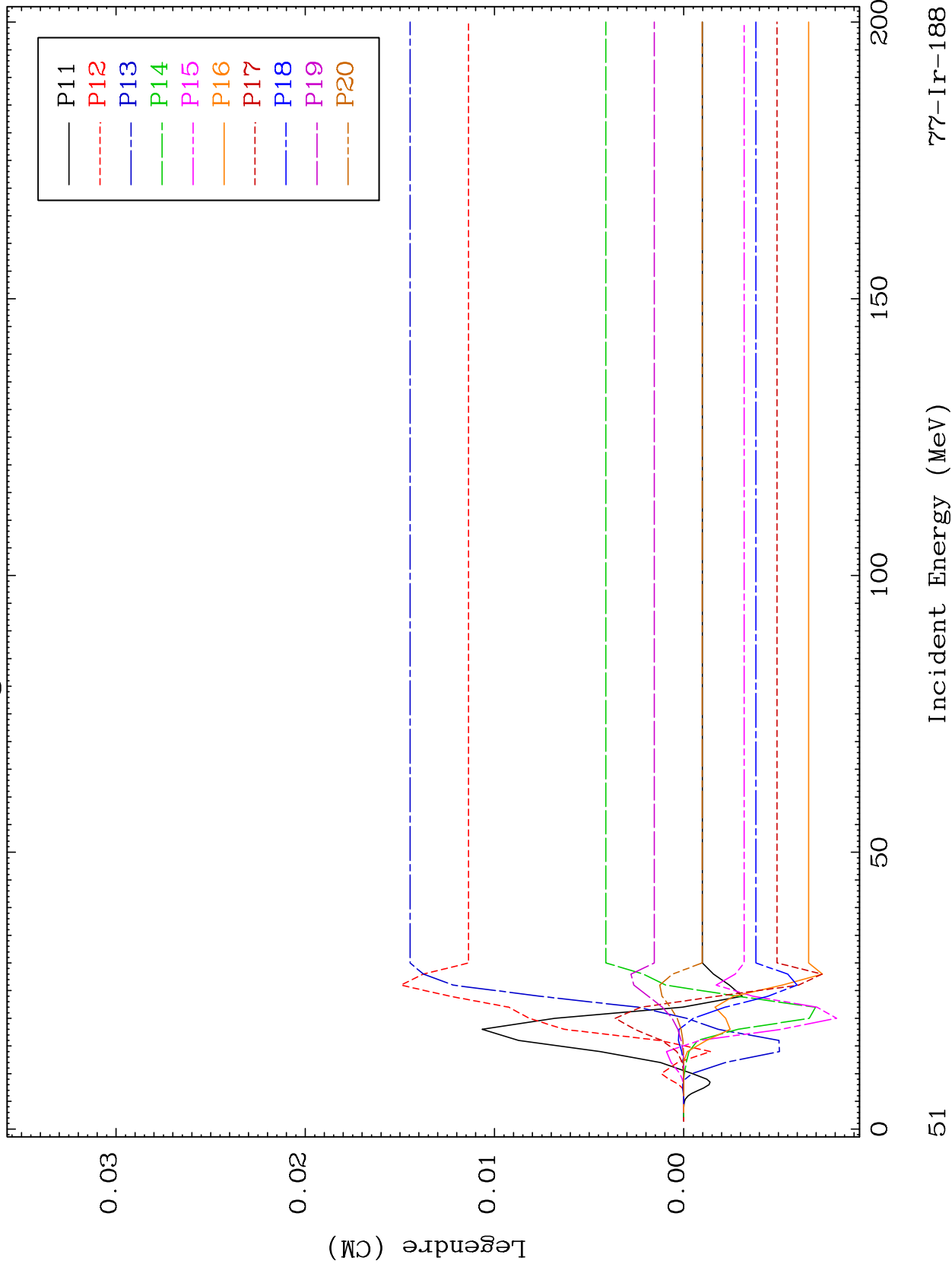
77-Ir-188



MAT 7716

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

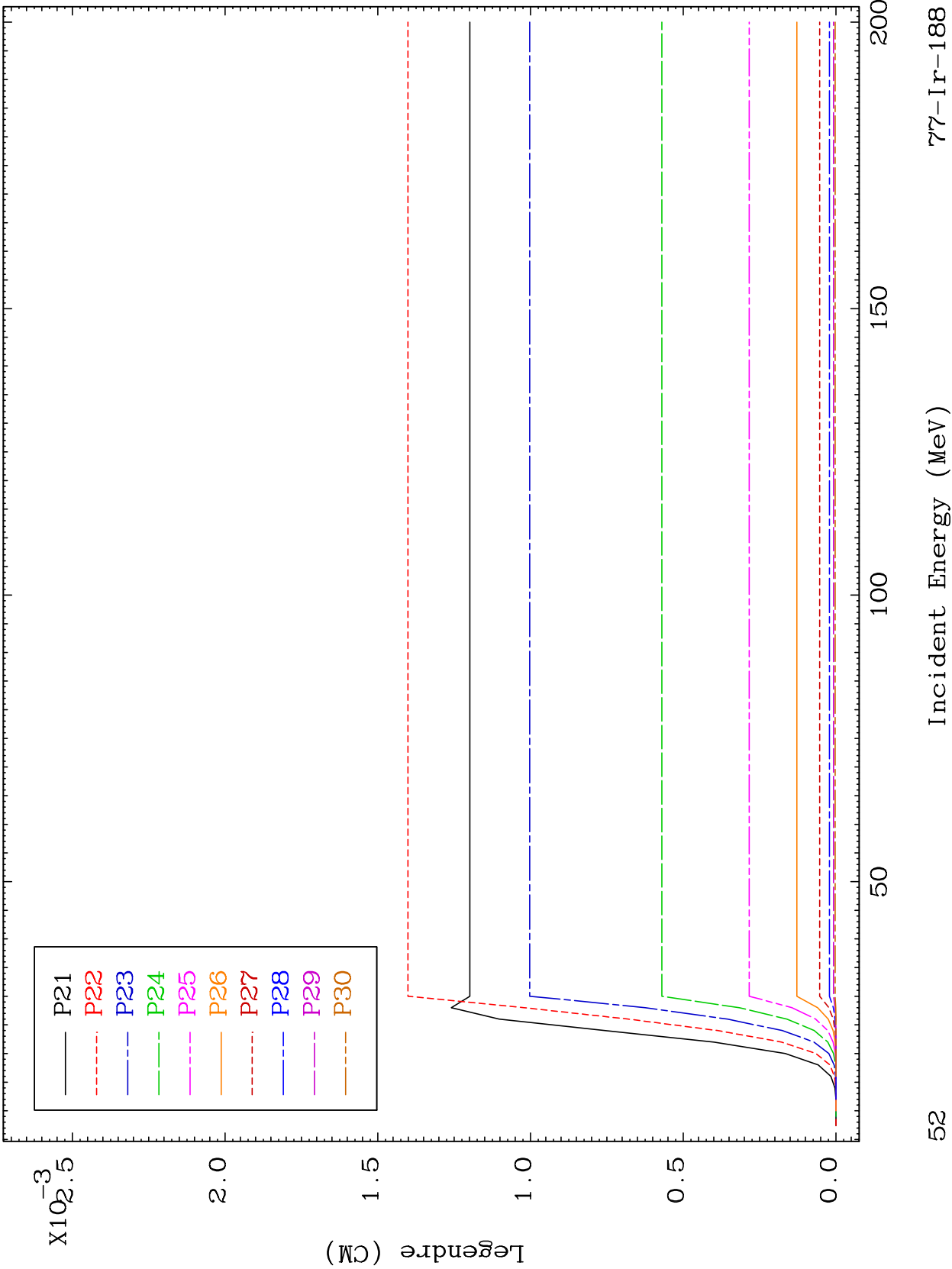
77-Ir-188



51

Incident Energy (MeV)

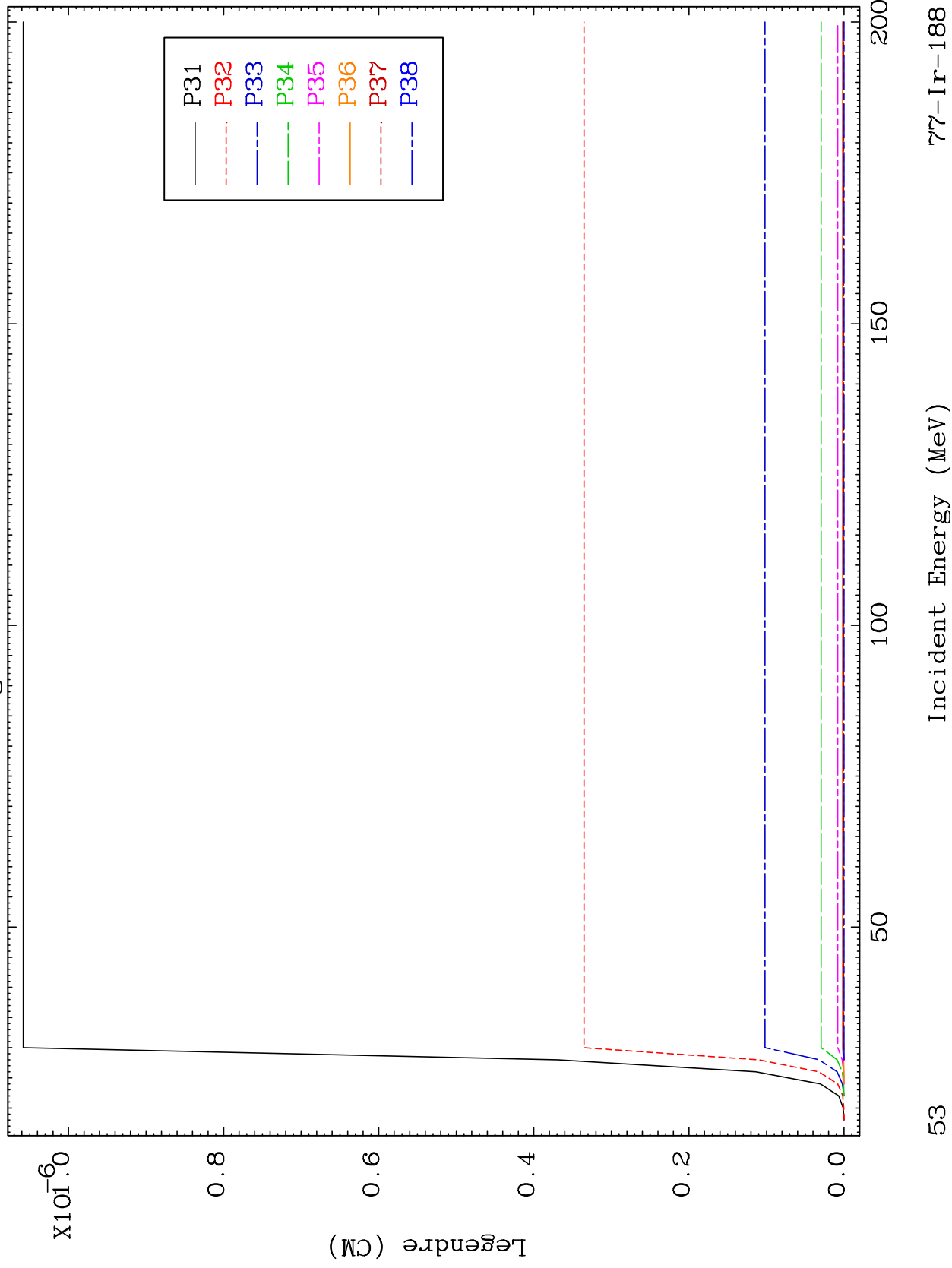
77-Ir-188



MAT 7716

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

77-Ir-188



53

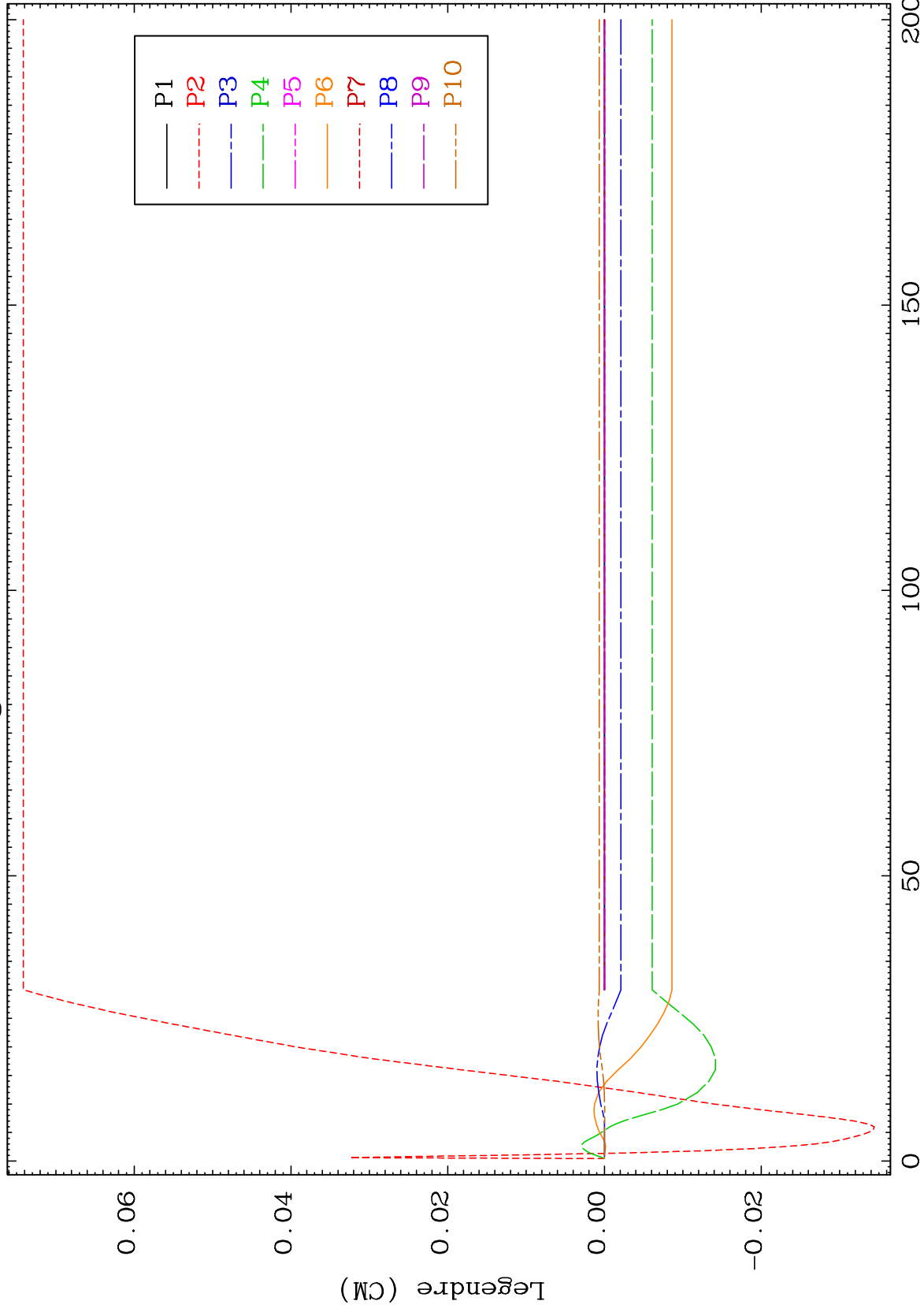
Incident Energy (MeV)

77-Ir-188

MAT 7716

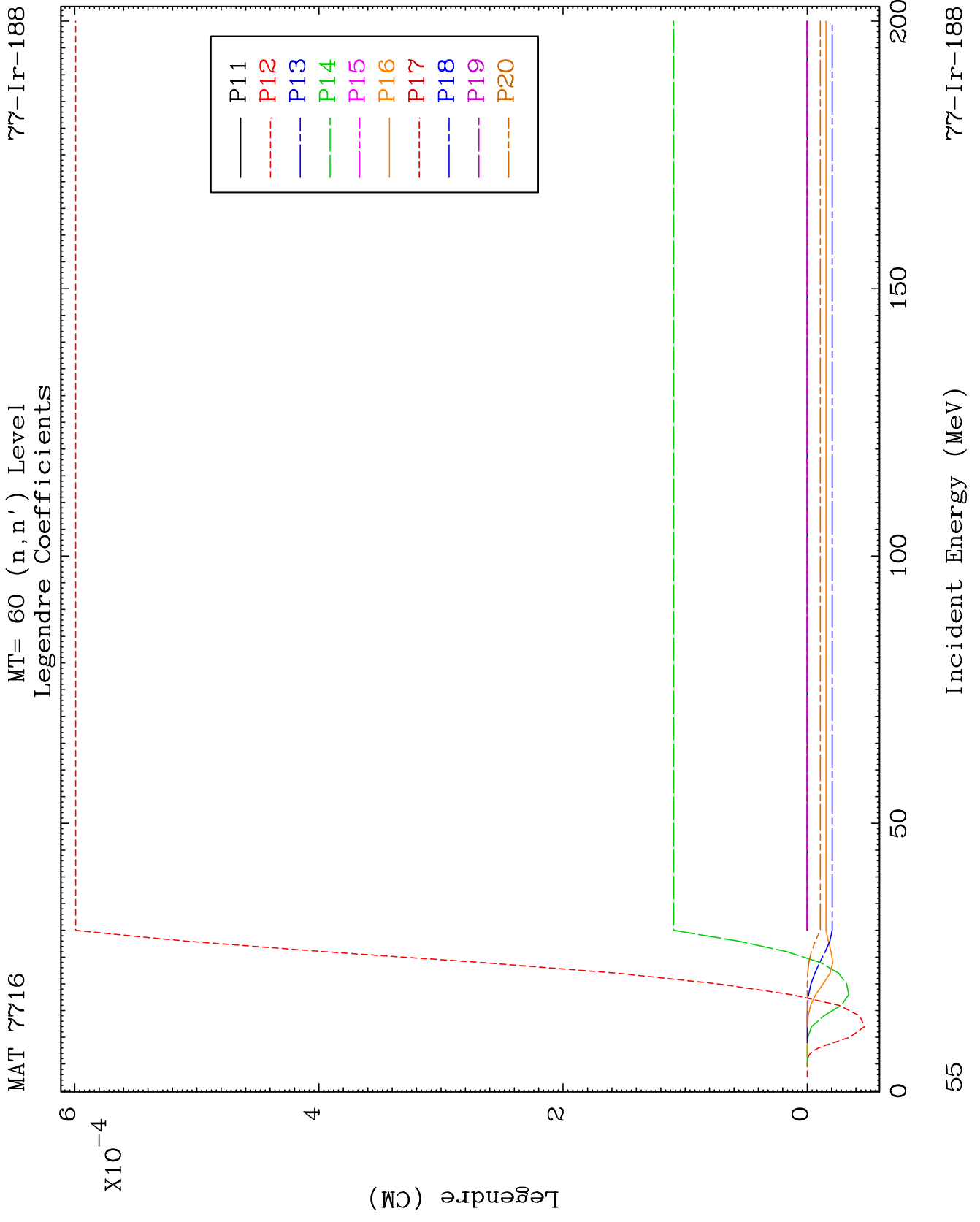
MT= 60 (n,n') Level
Legendre Coefficients

77-Ir-188



54

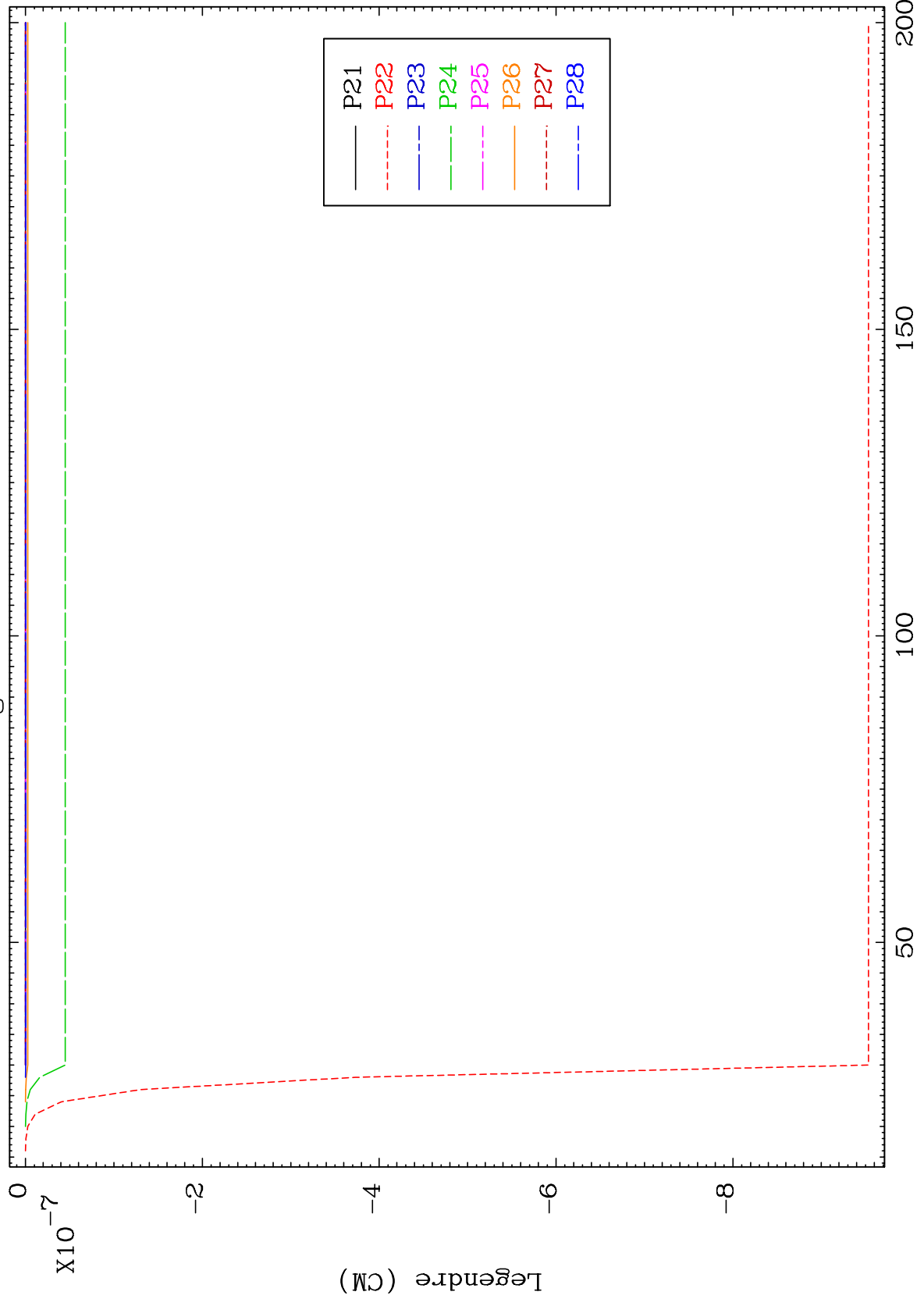
77-Ir-188



MAT 7716

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

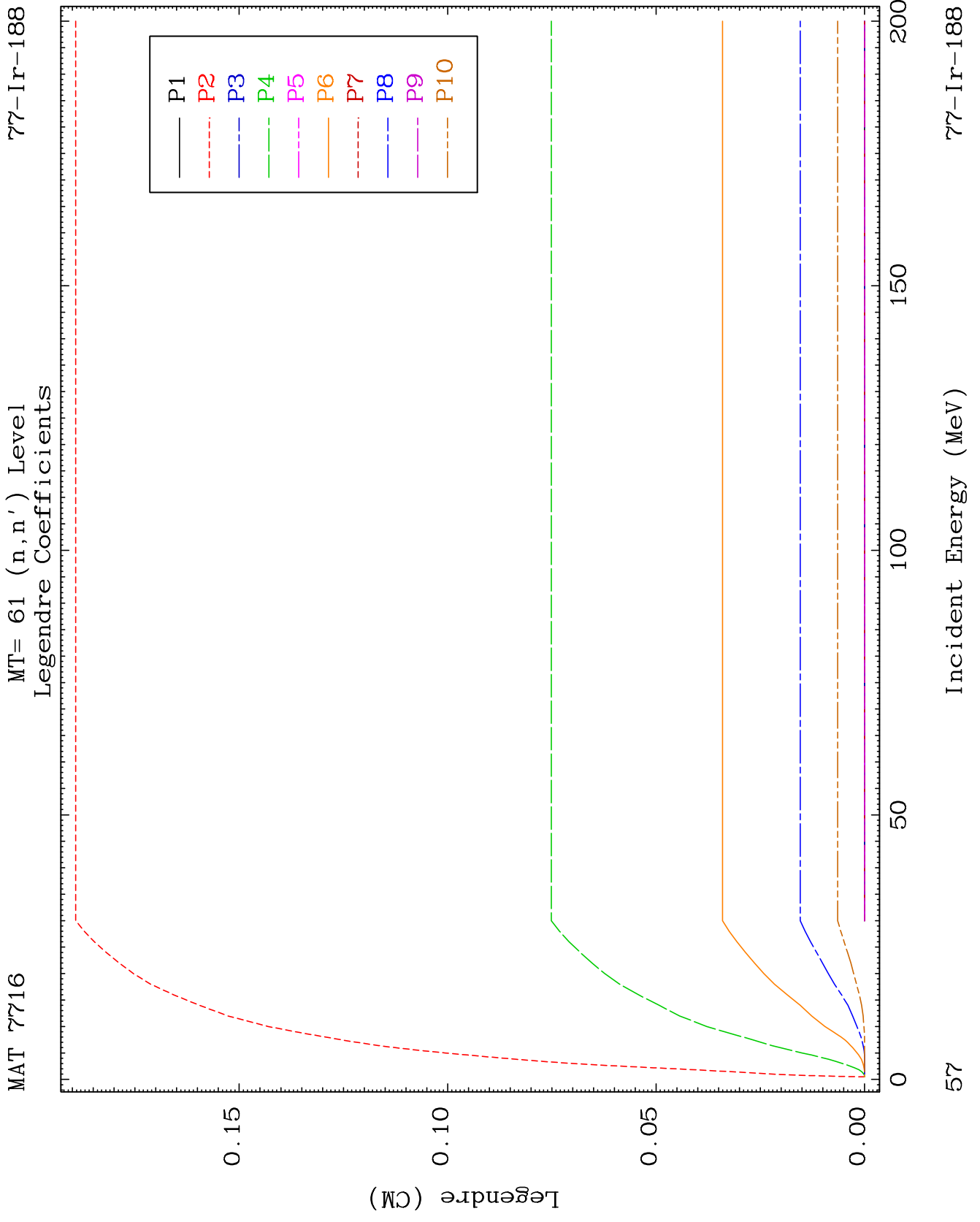
77-Ir-188

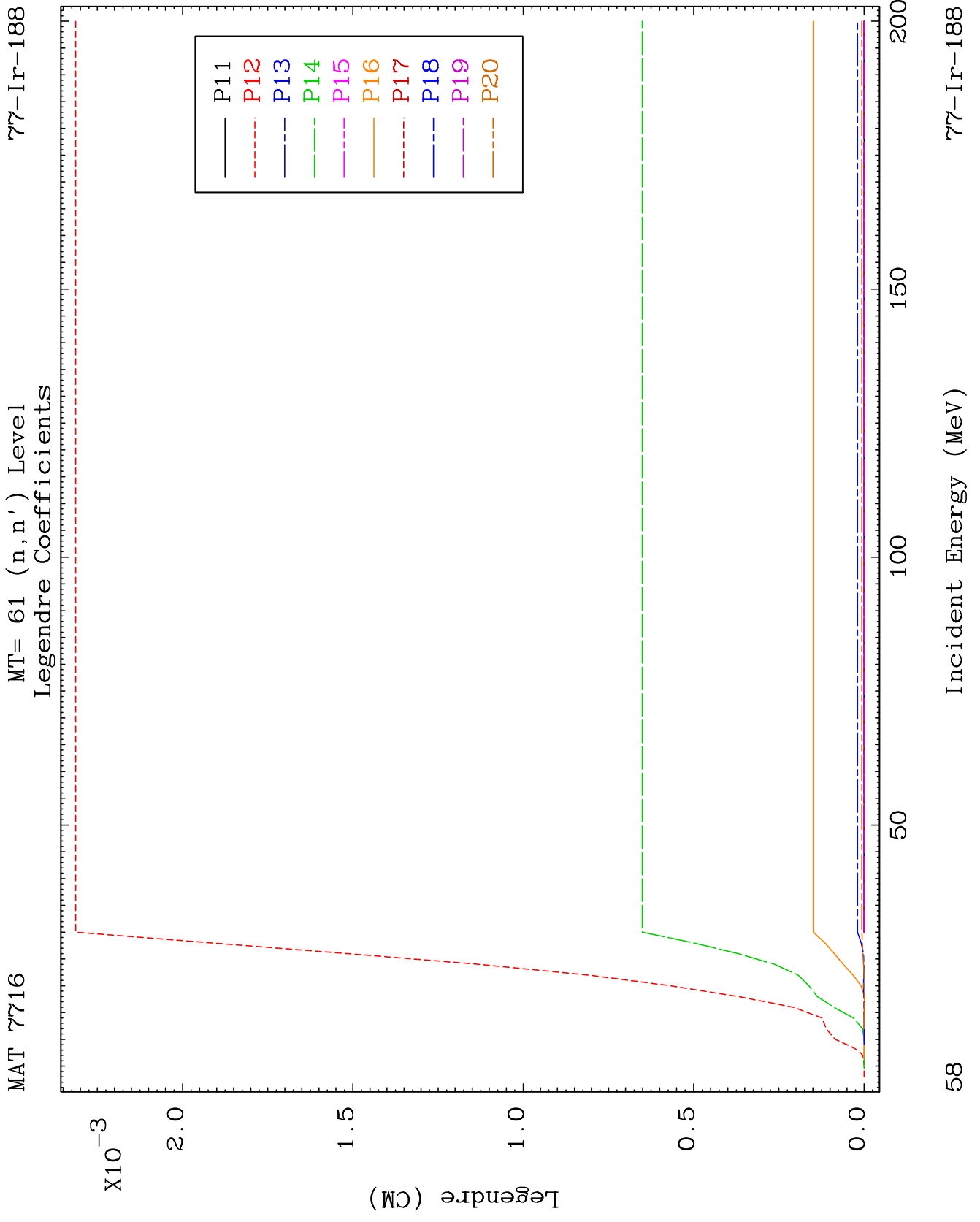


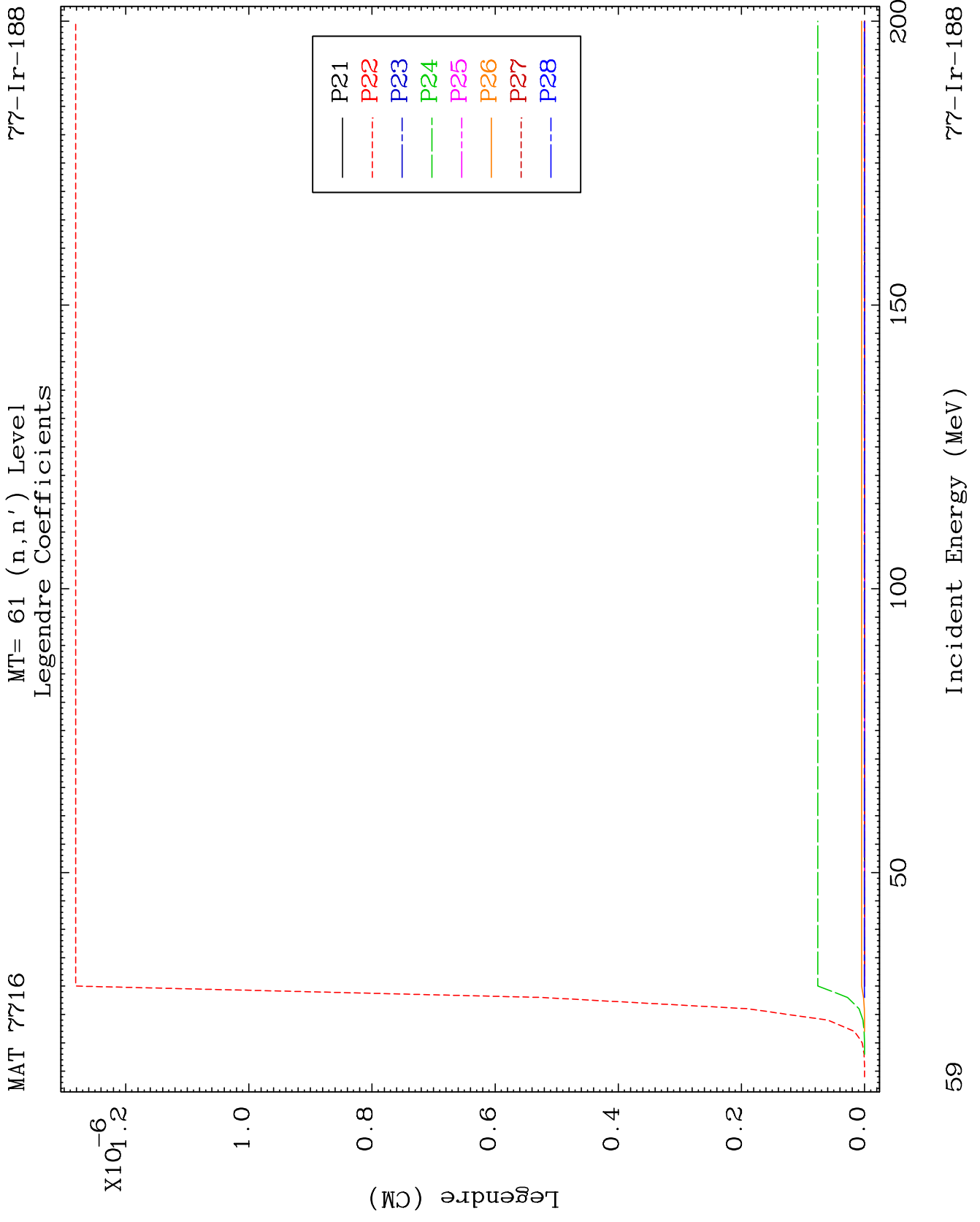
56

Incident Energy (MeV)

77-Ir-188



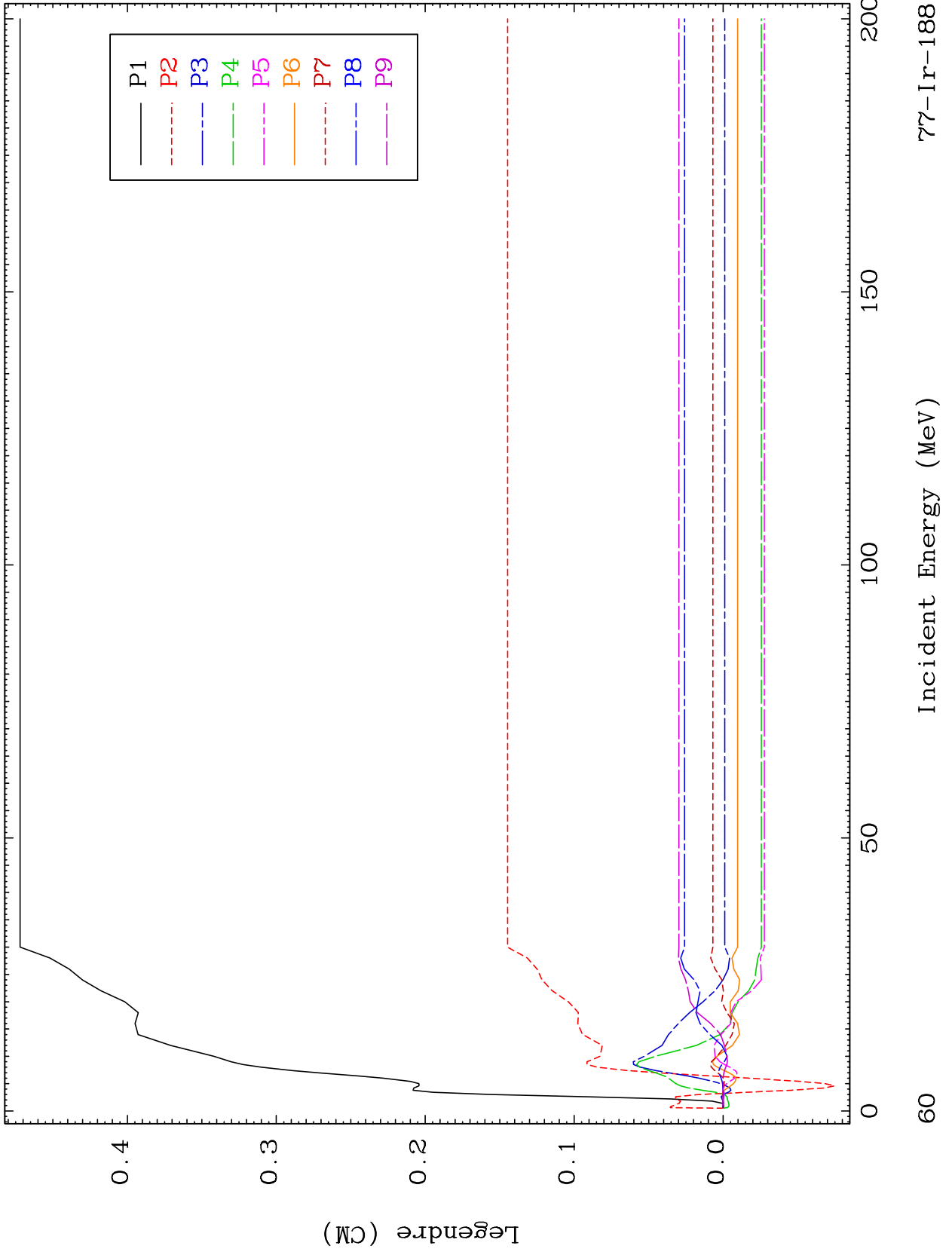




MAT 7716

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

77-Ir-188

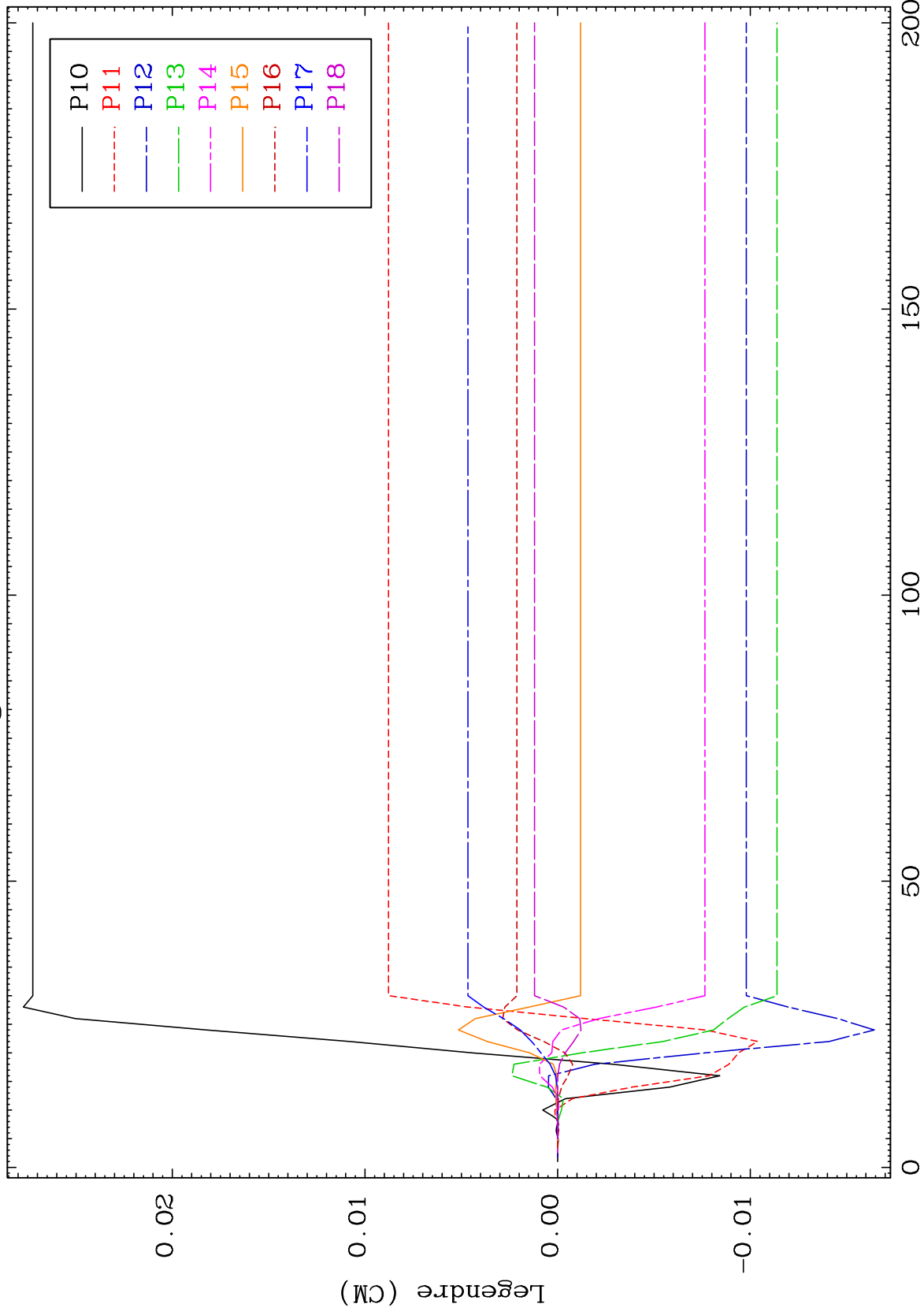


77-Ir-188

MAT 7716

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

77-Ir-188



61

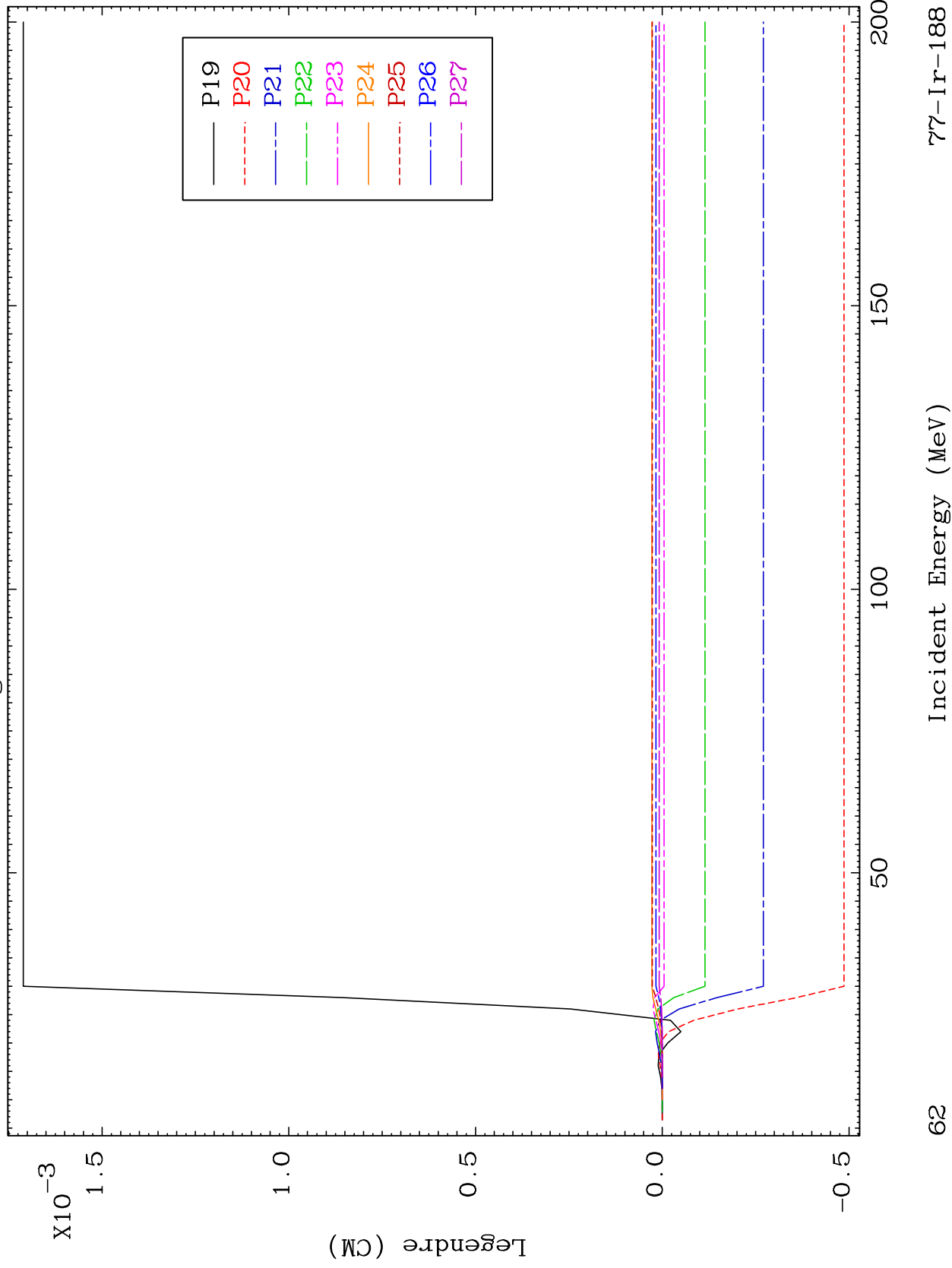
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

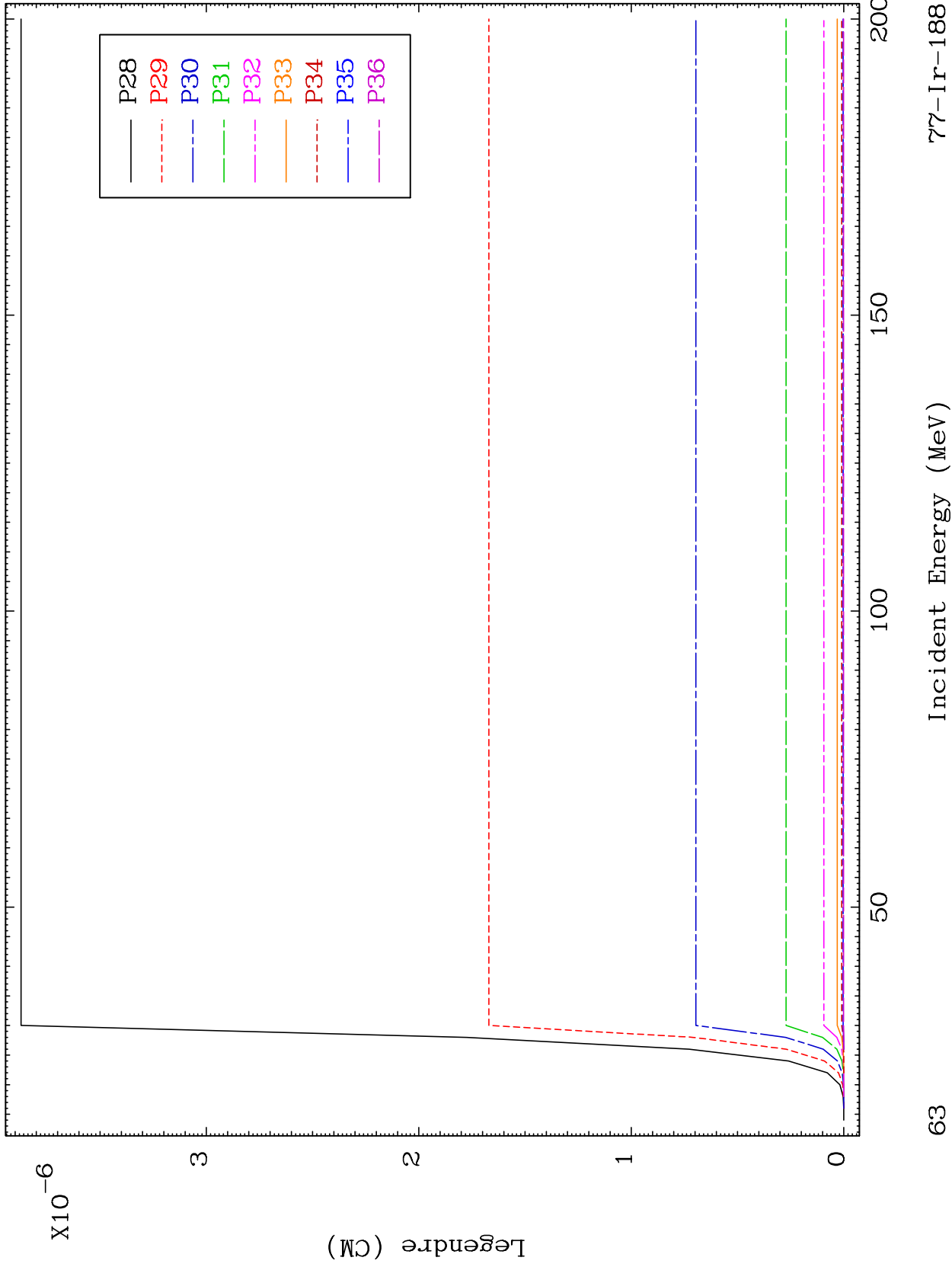
77-Ir-188



MAT 7716

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

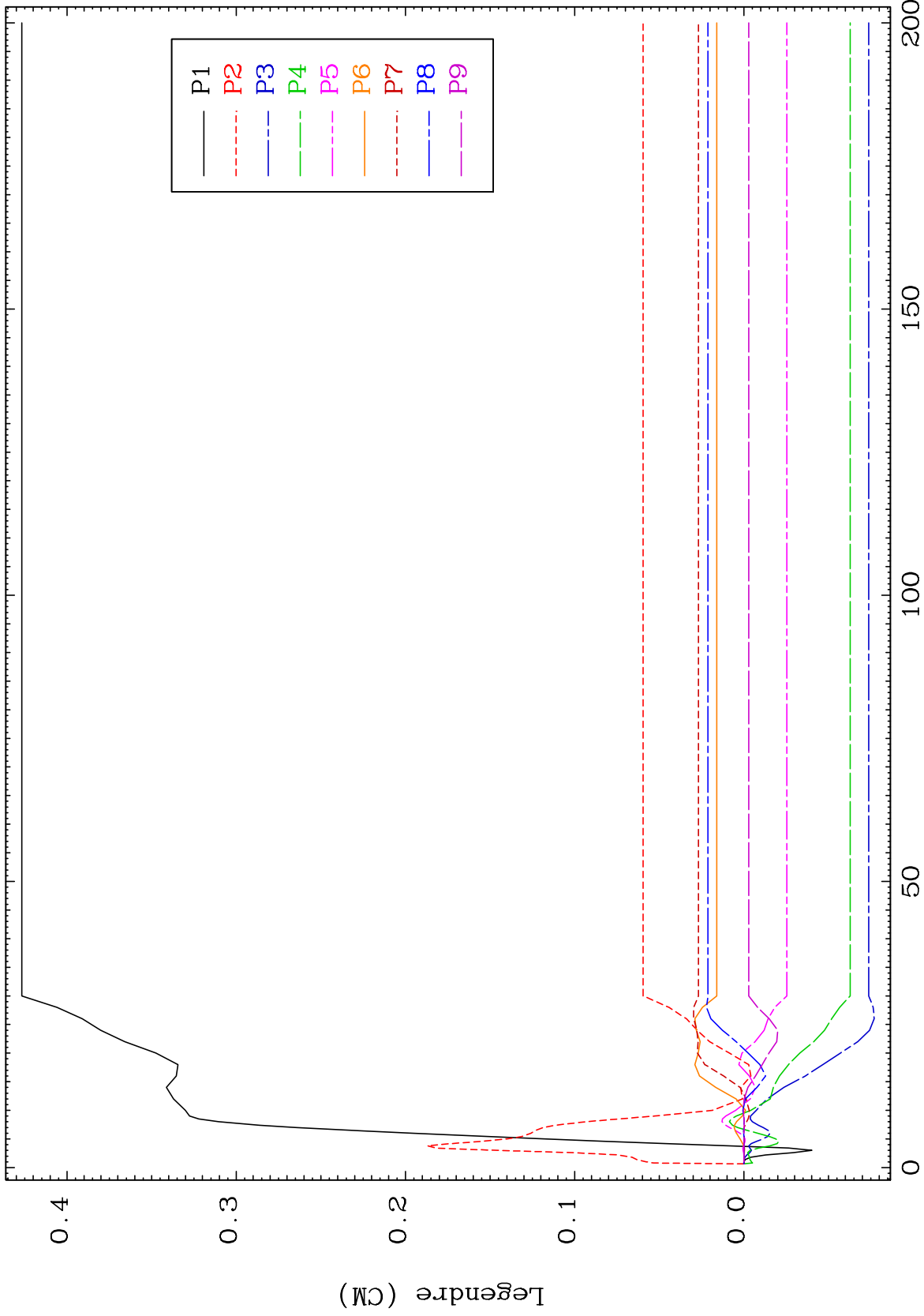
77-Ir-188



MAT 7716

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

77-Ir-188



64

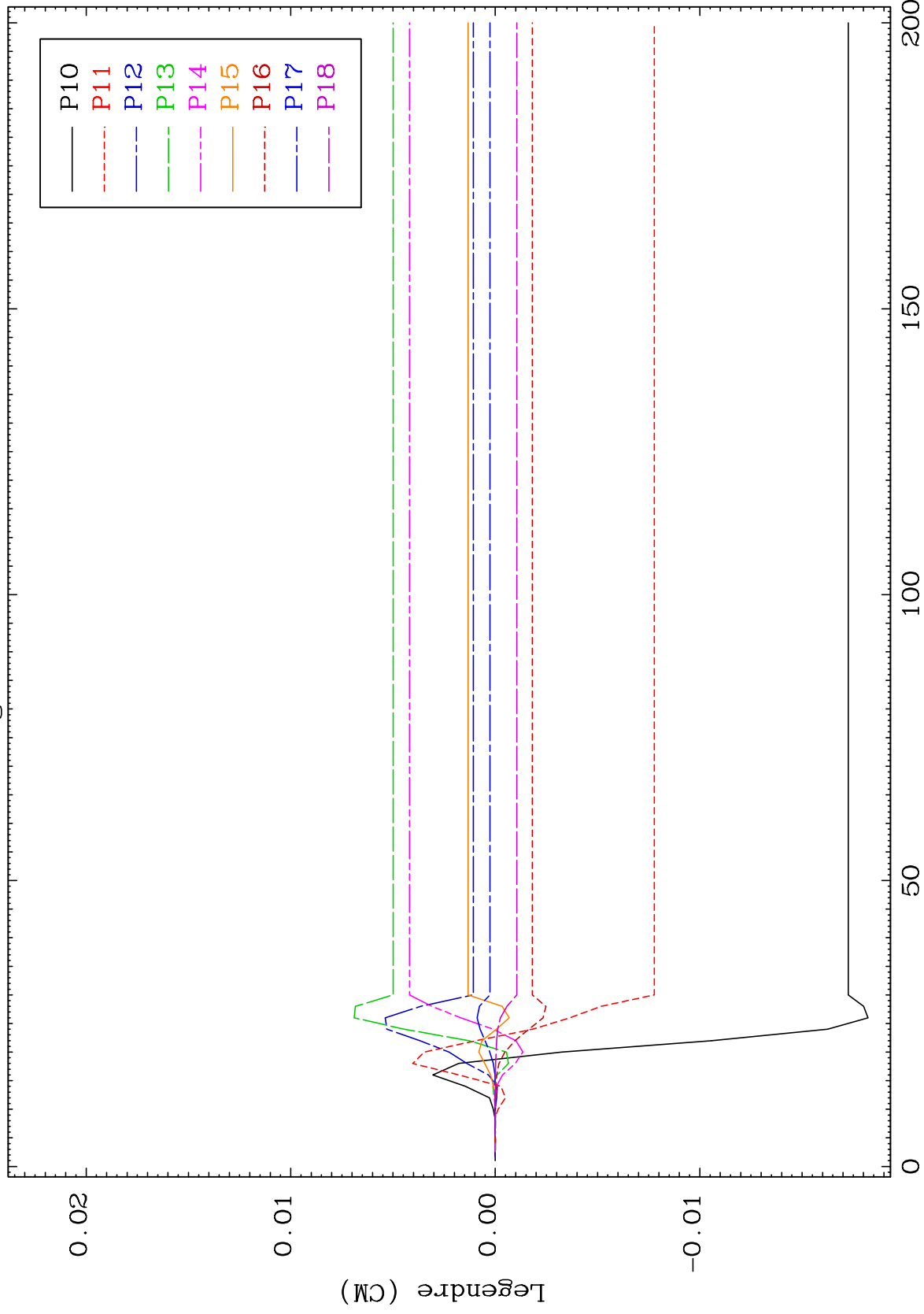
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



65

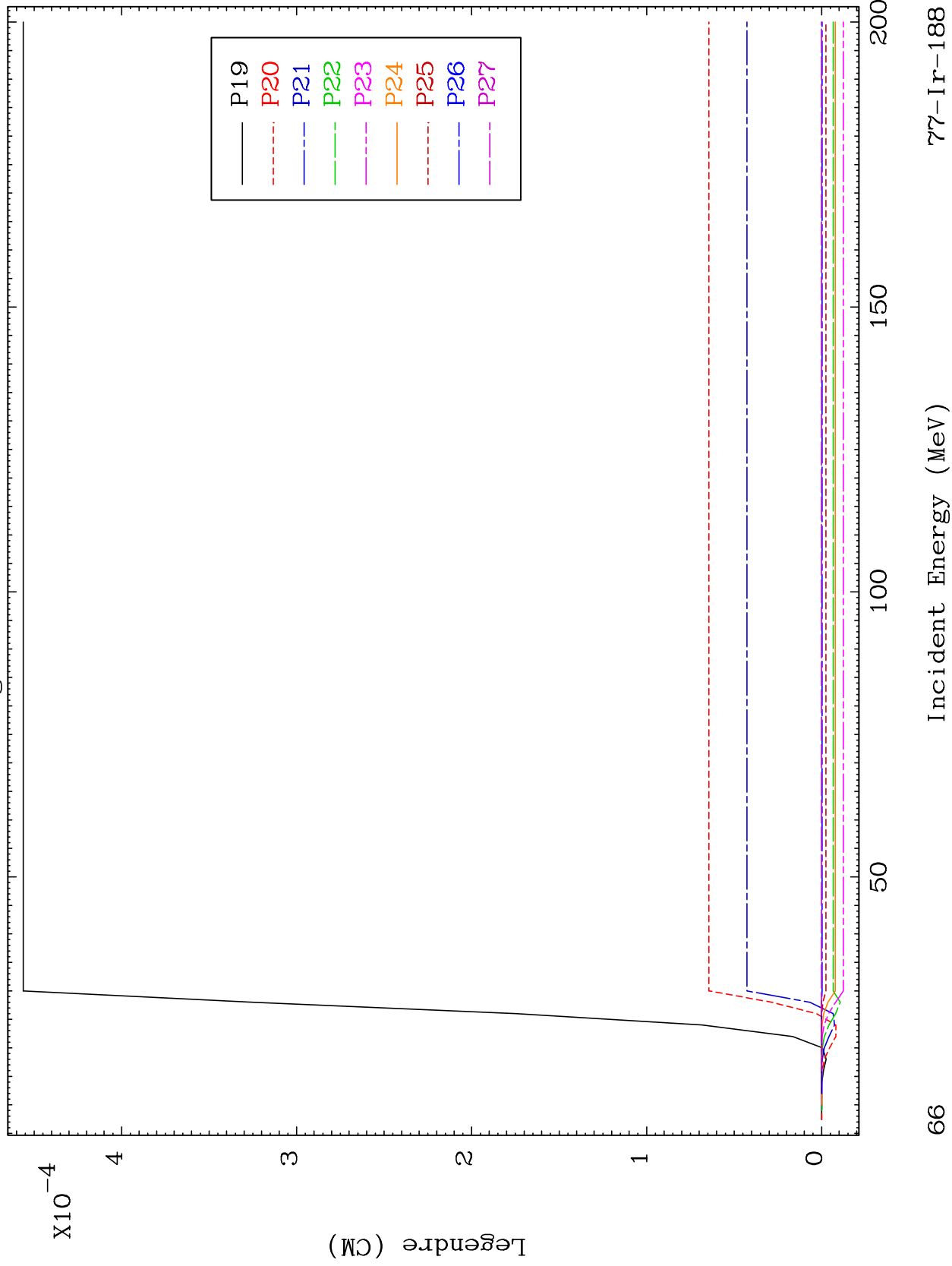
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

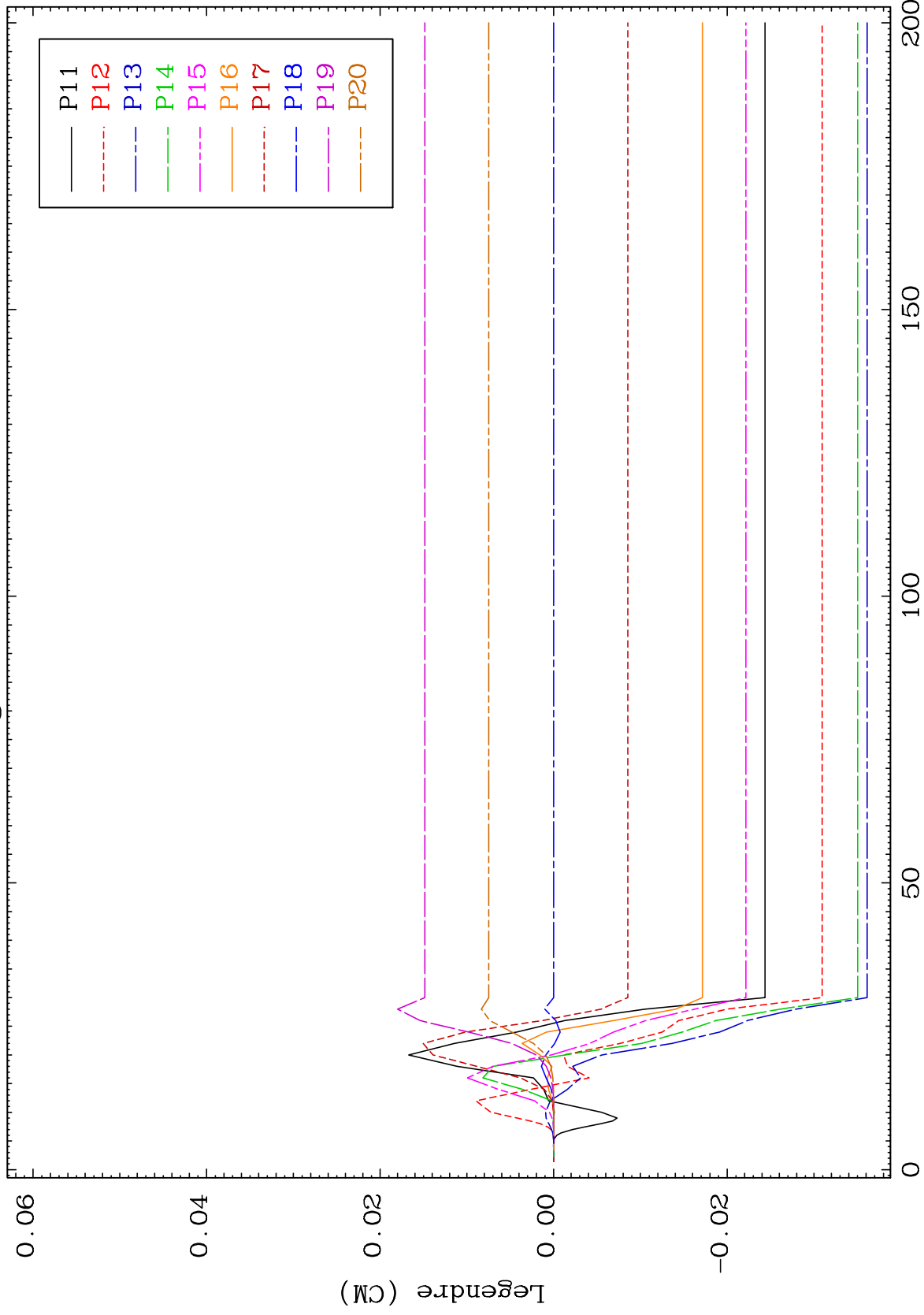
77-Ir-188



MAT 7716

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

77-Ir-188



69

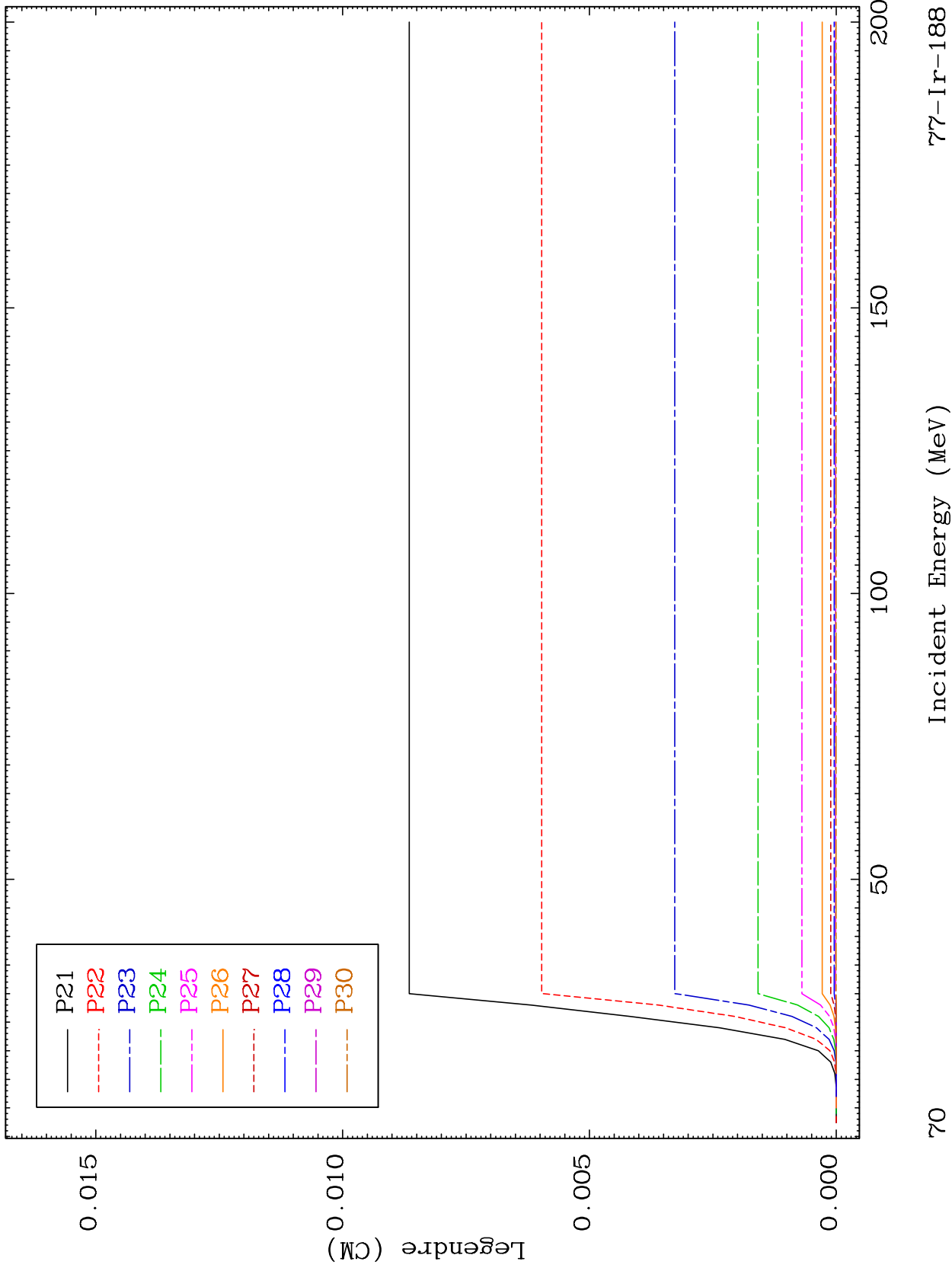
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



70

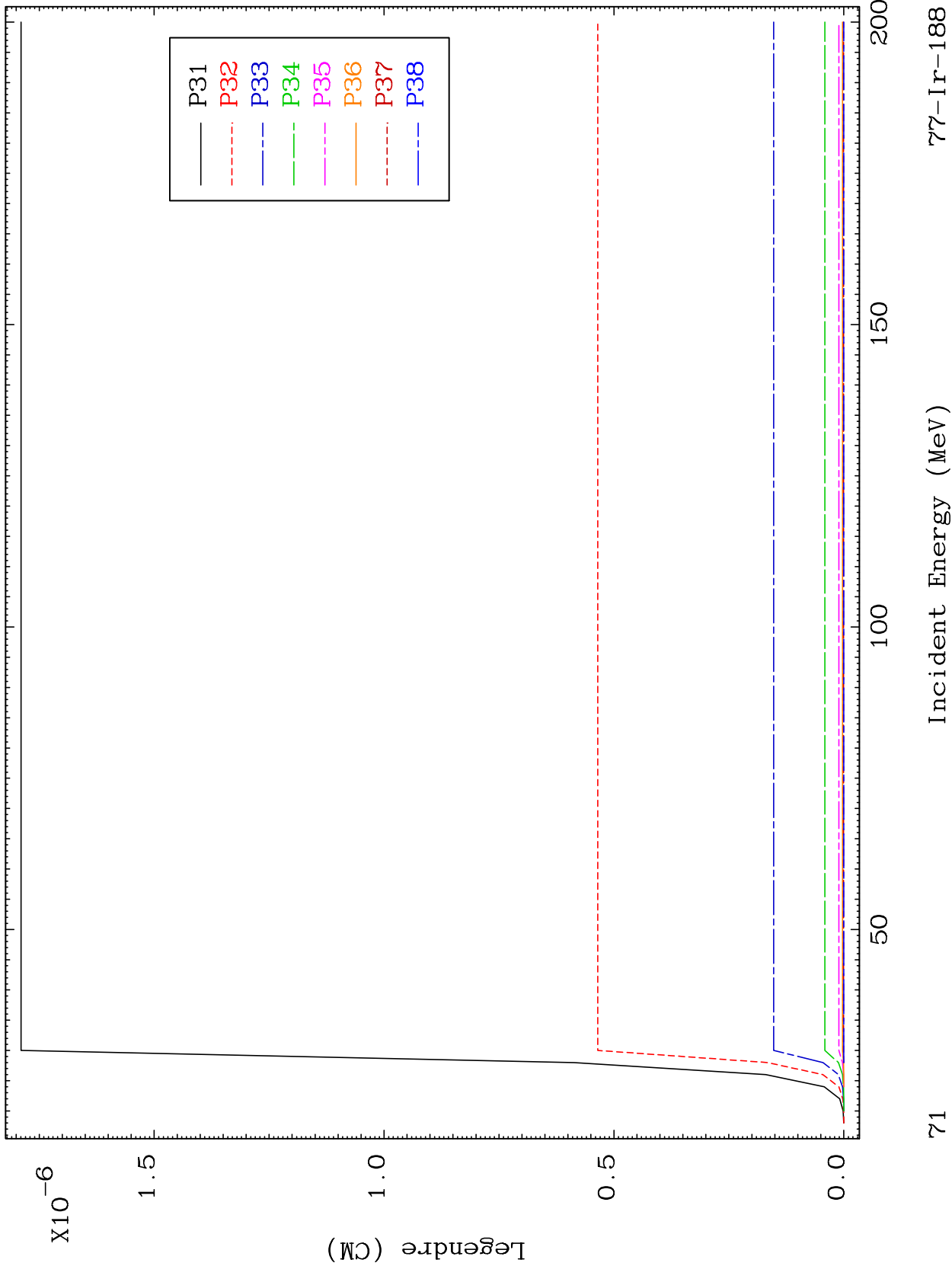
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



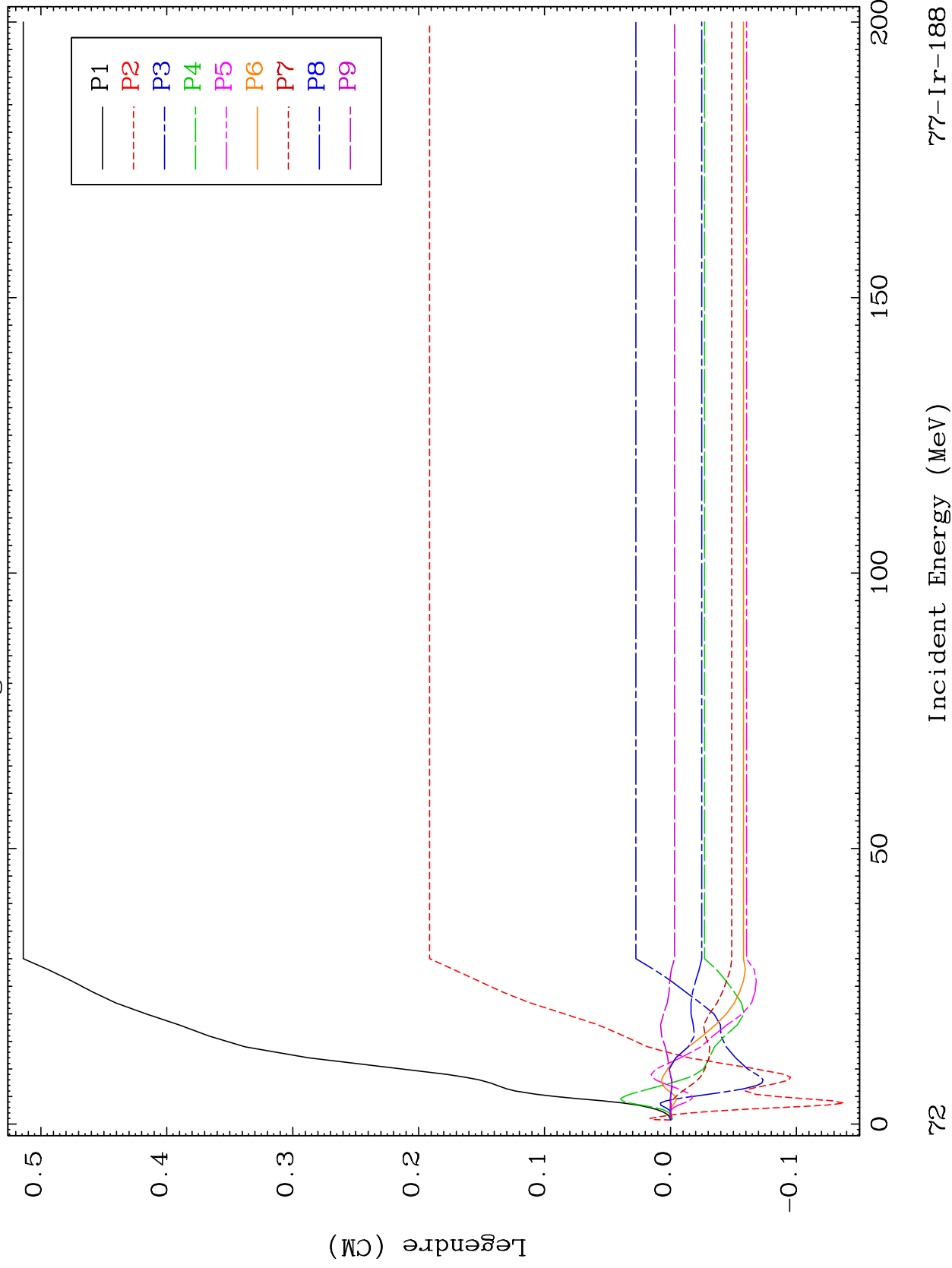
71

77-Ir-188

MAT 7716

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

77-Ir-188



77-Ir-188

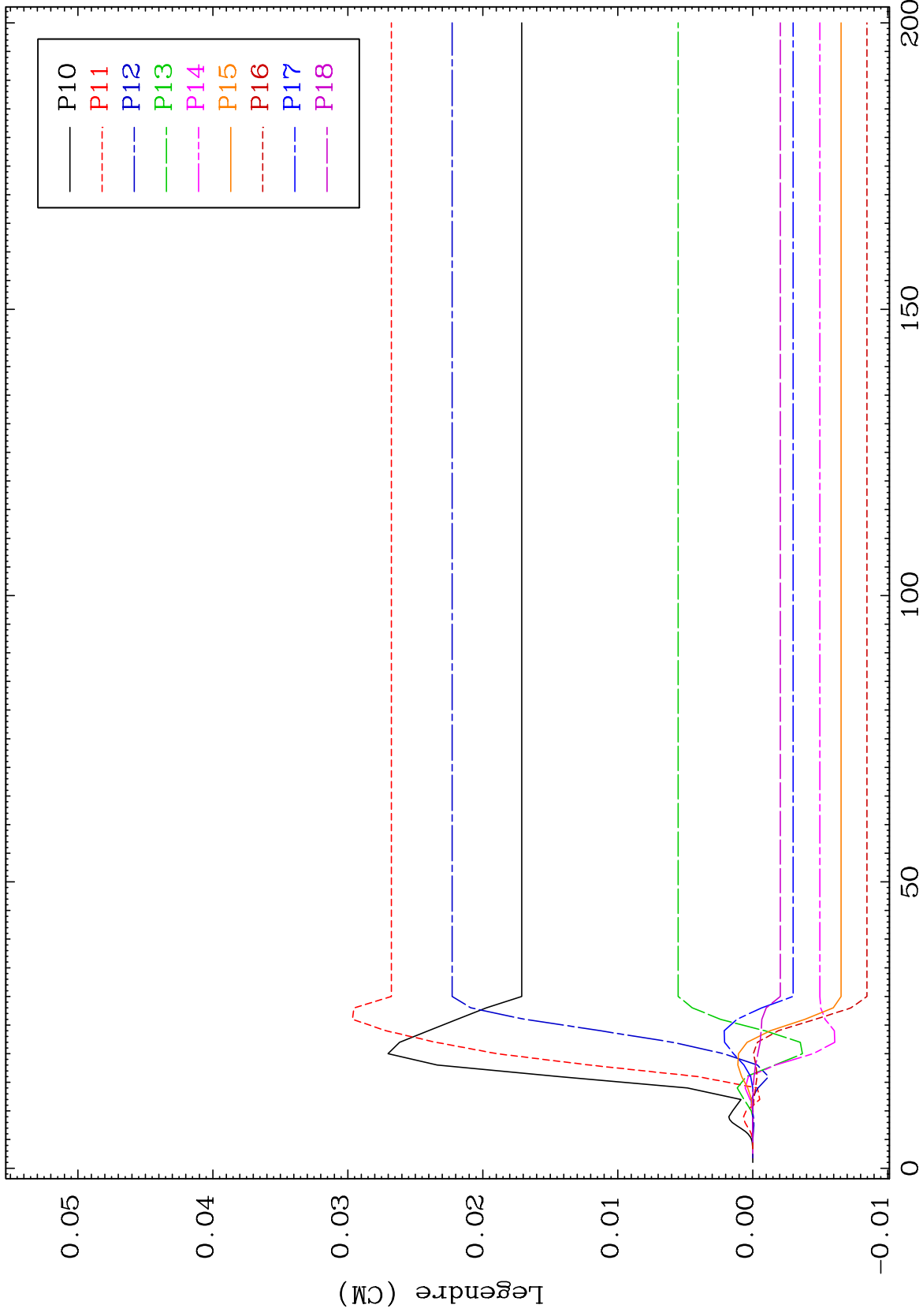
Incident Energy (MeV)

72

MAT 7716

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

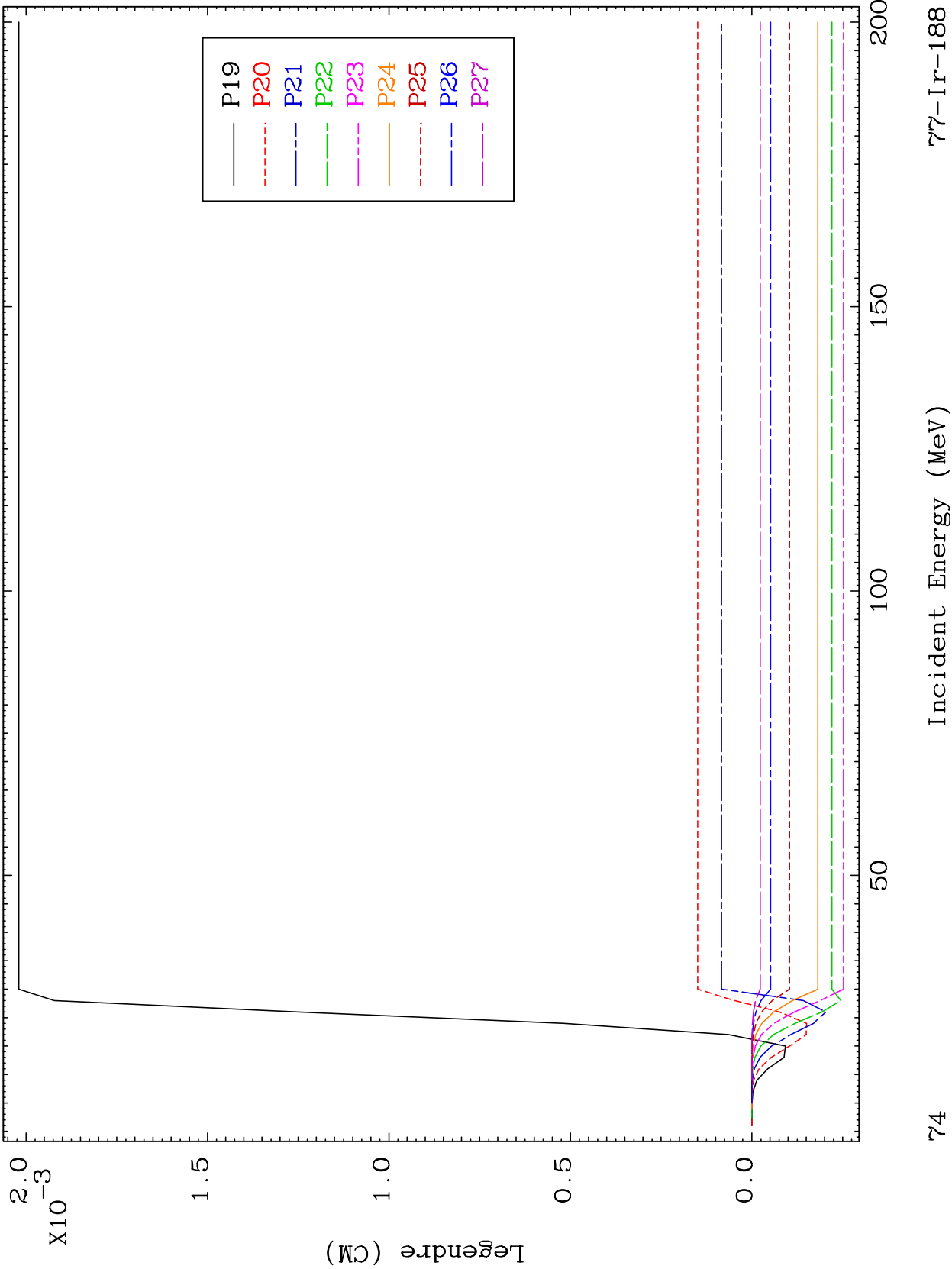
77-Ir-188

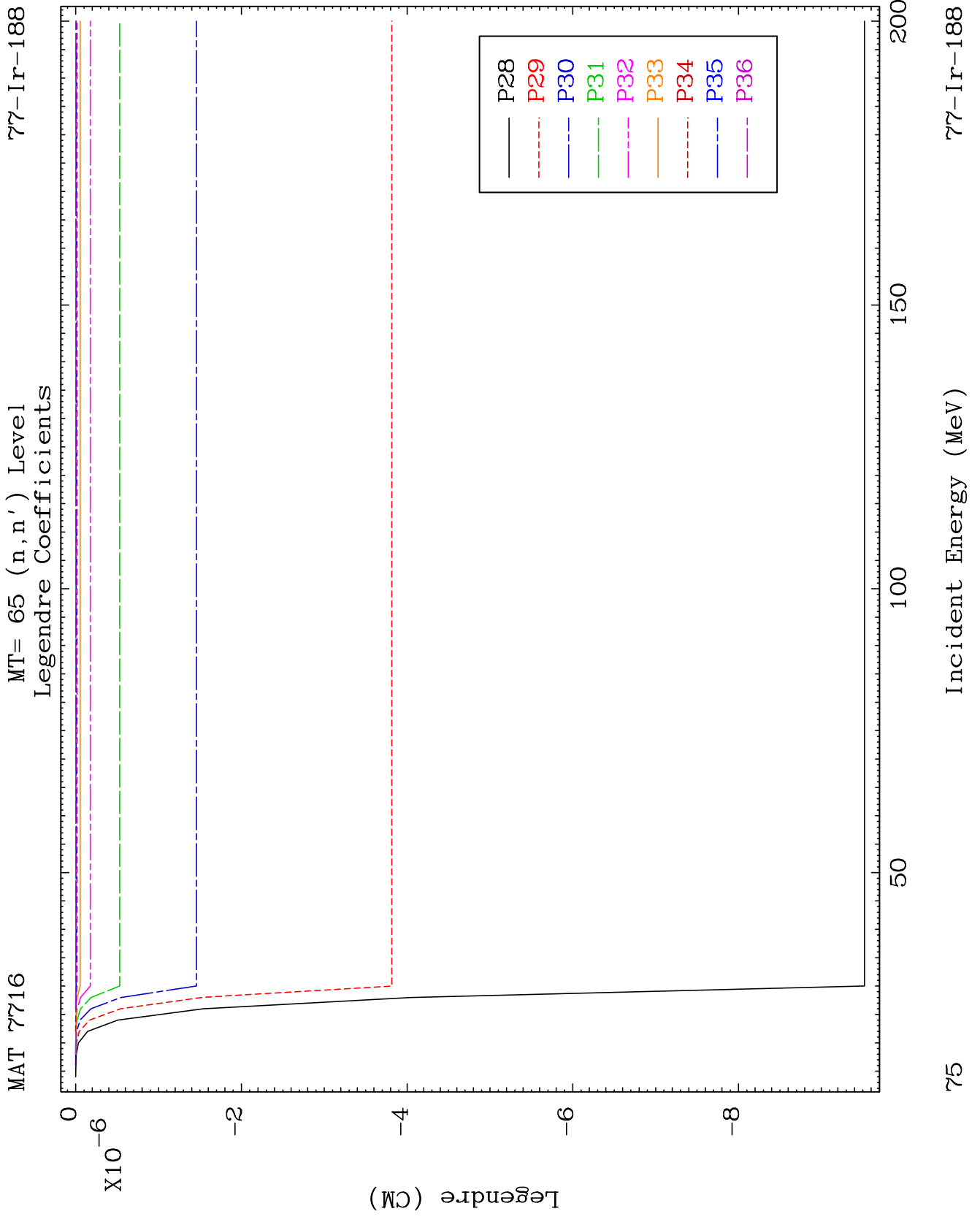


73

Incident Energy (MeV)

77-Ir-188

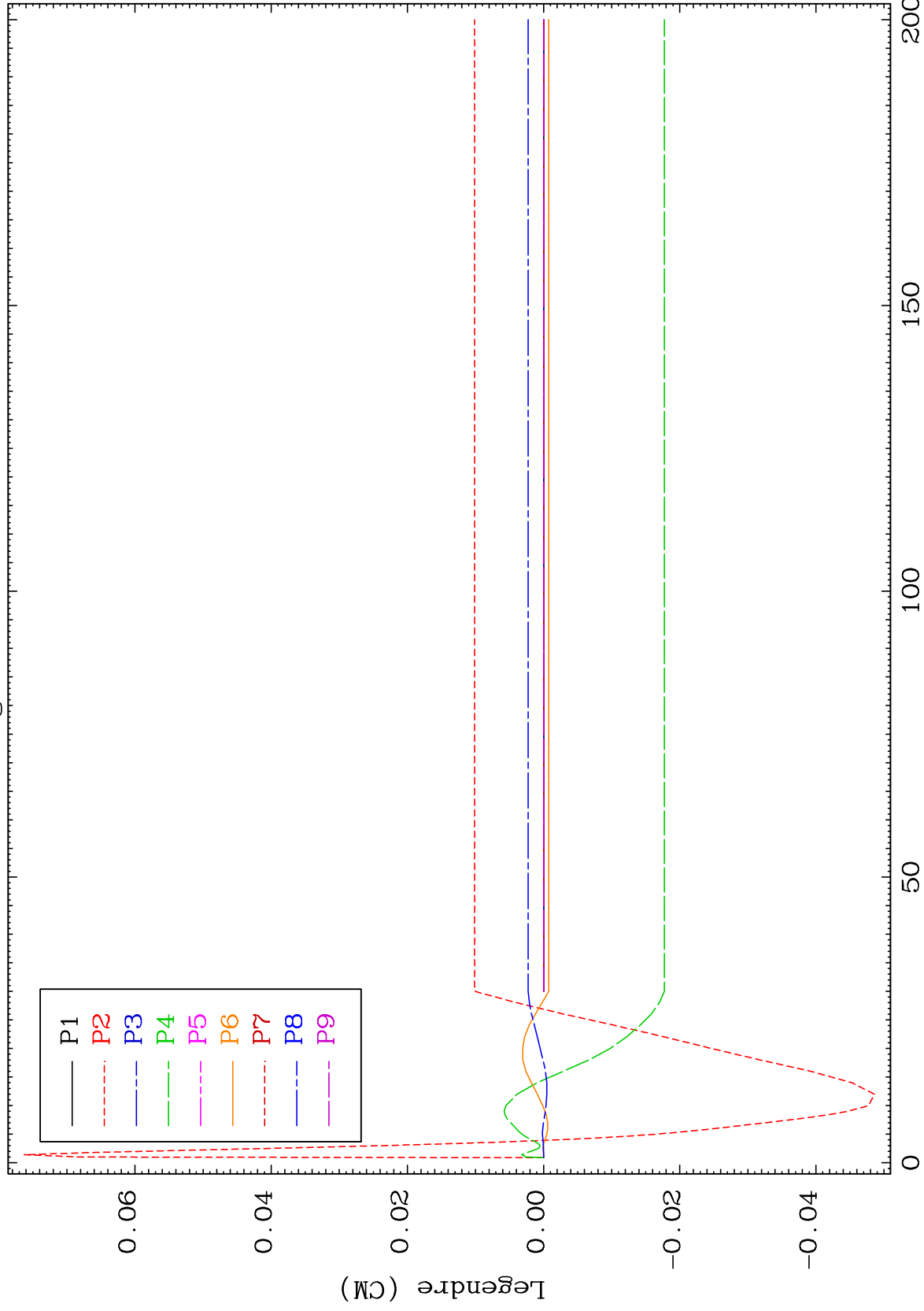




MAT 7716

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

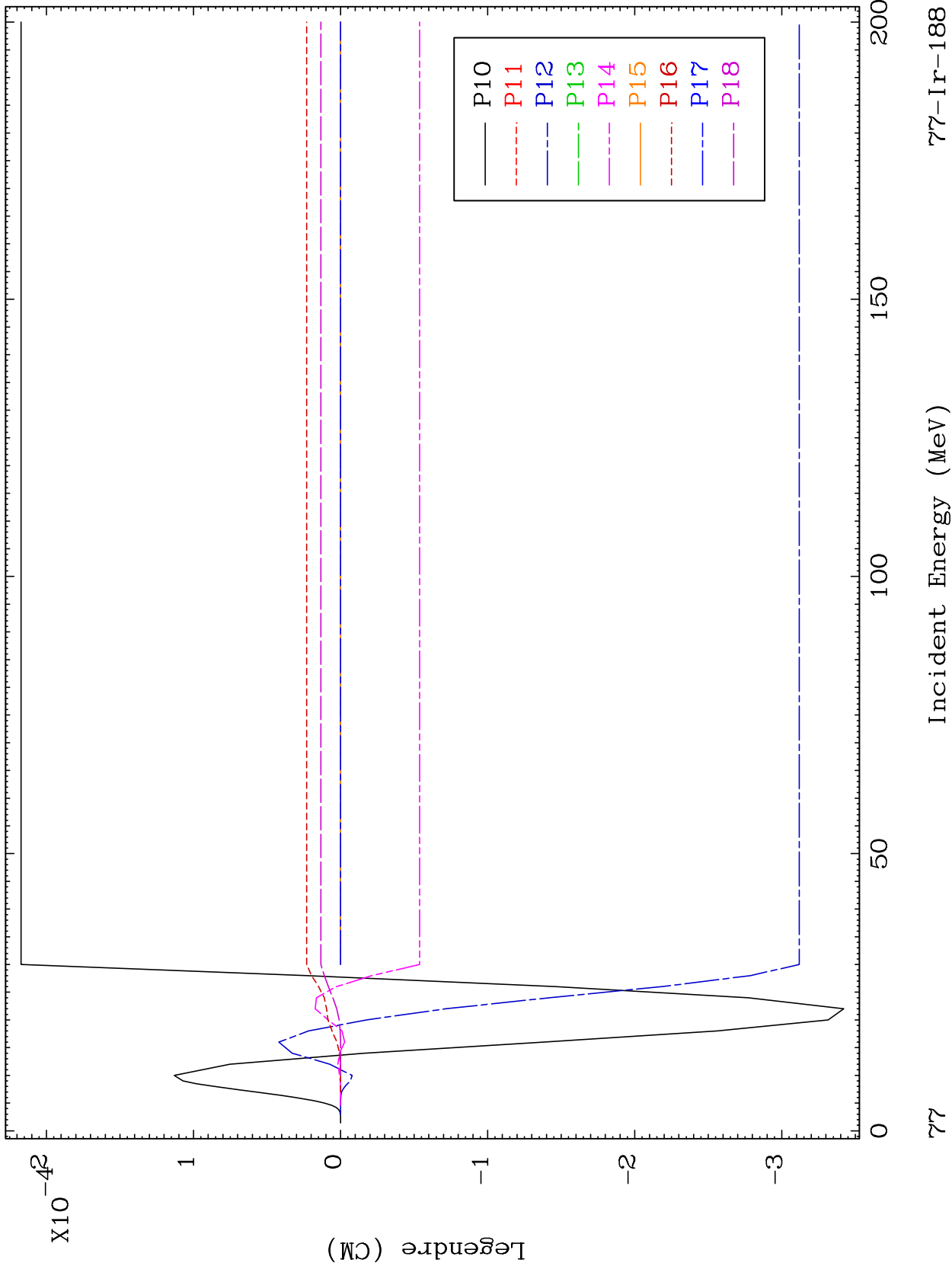
77-Ir-188



76

Incident Energy (MeV)

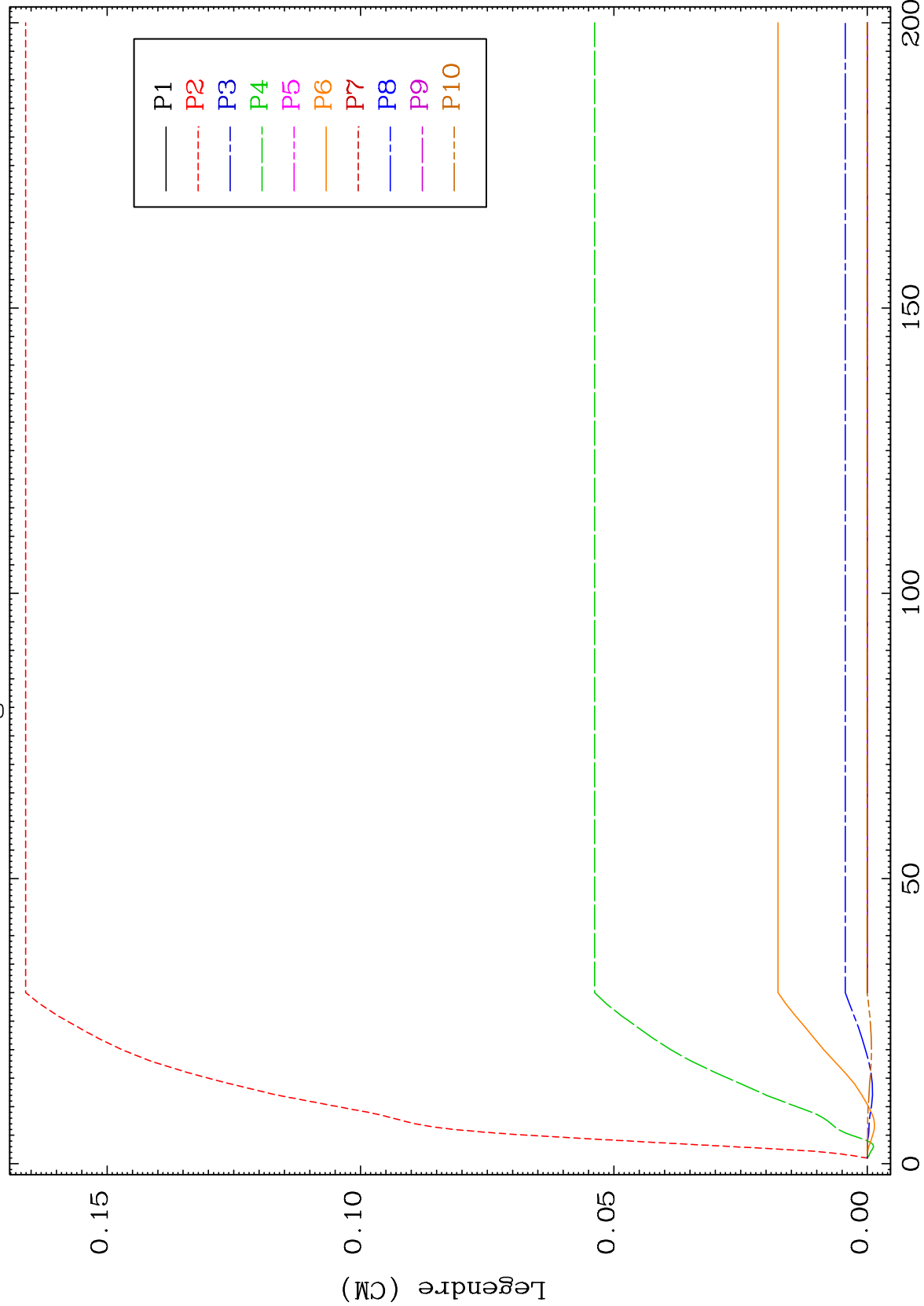
77-Ir-188



MAT 7716

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

77-Ir-188



79

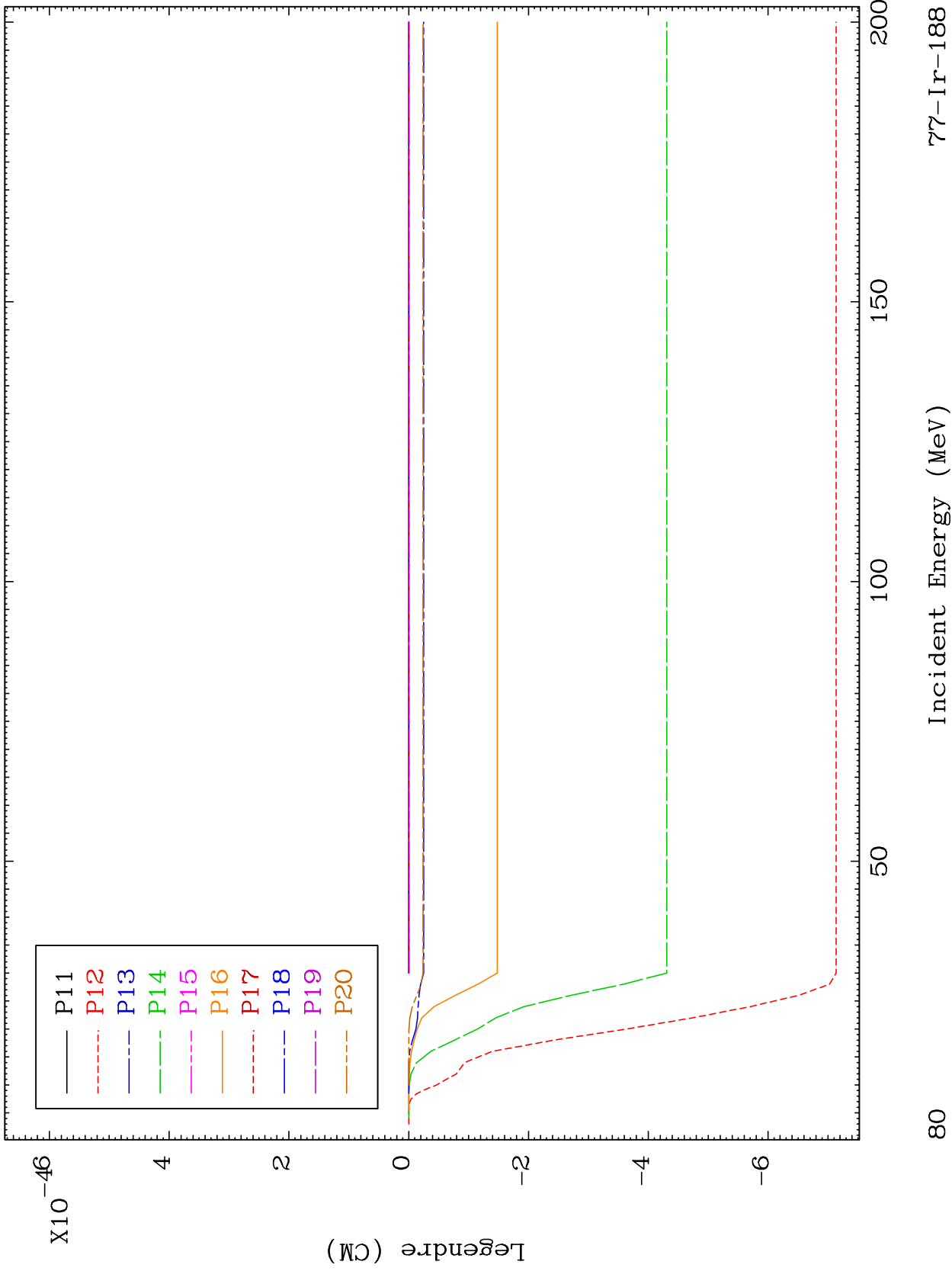
Incident Energy (MeV)

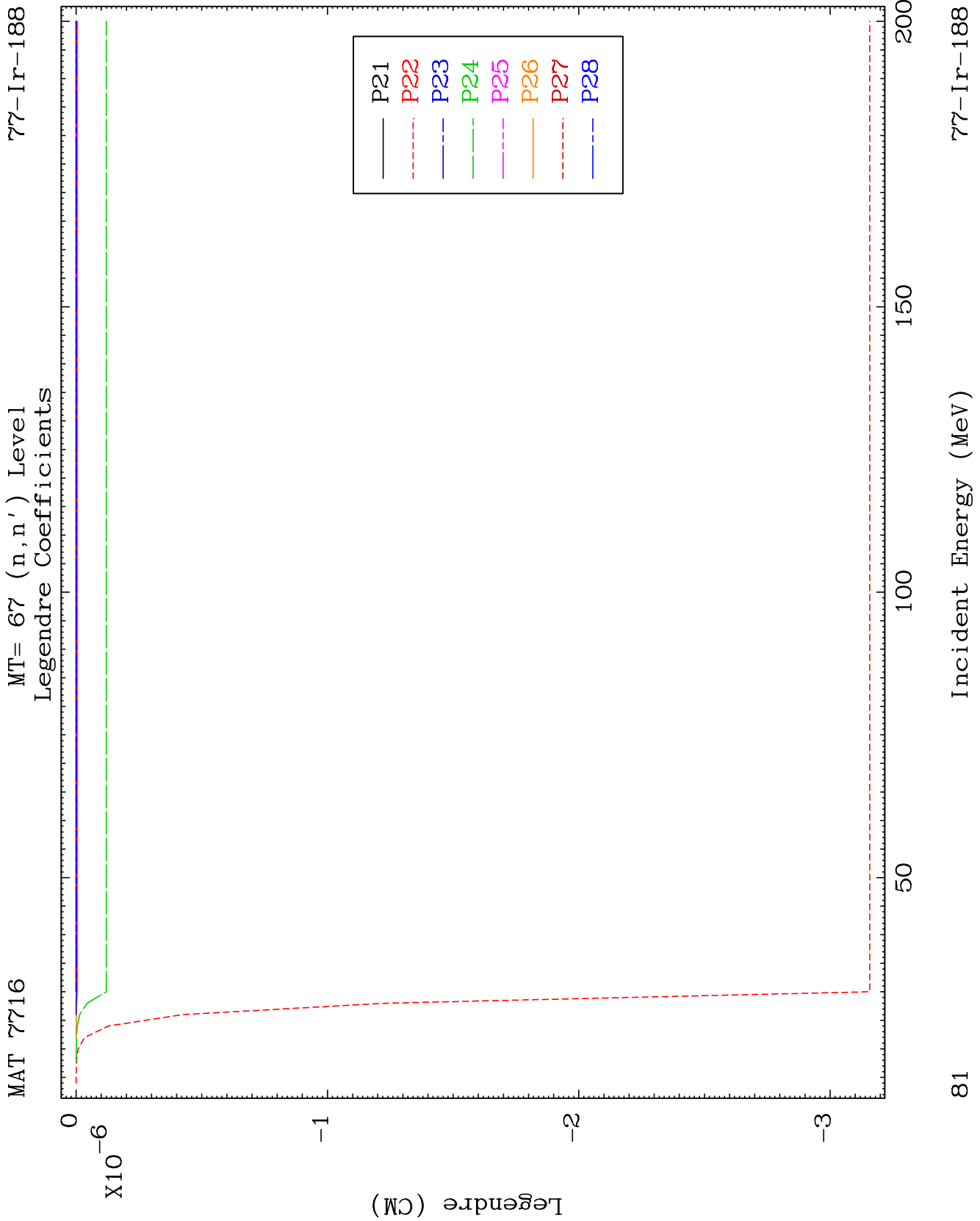
77-Ir-188

MAT 7716

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

77-Ir-188

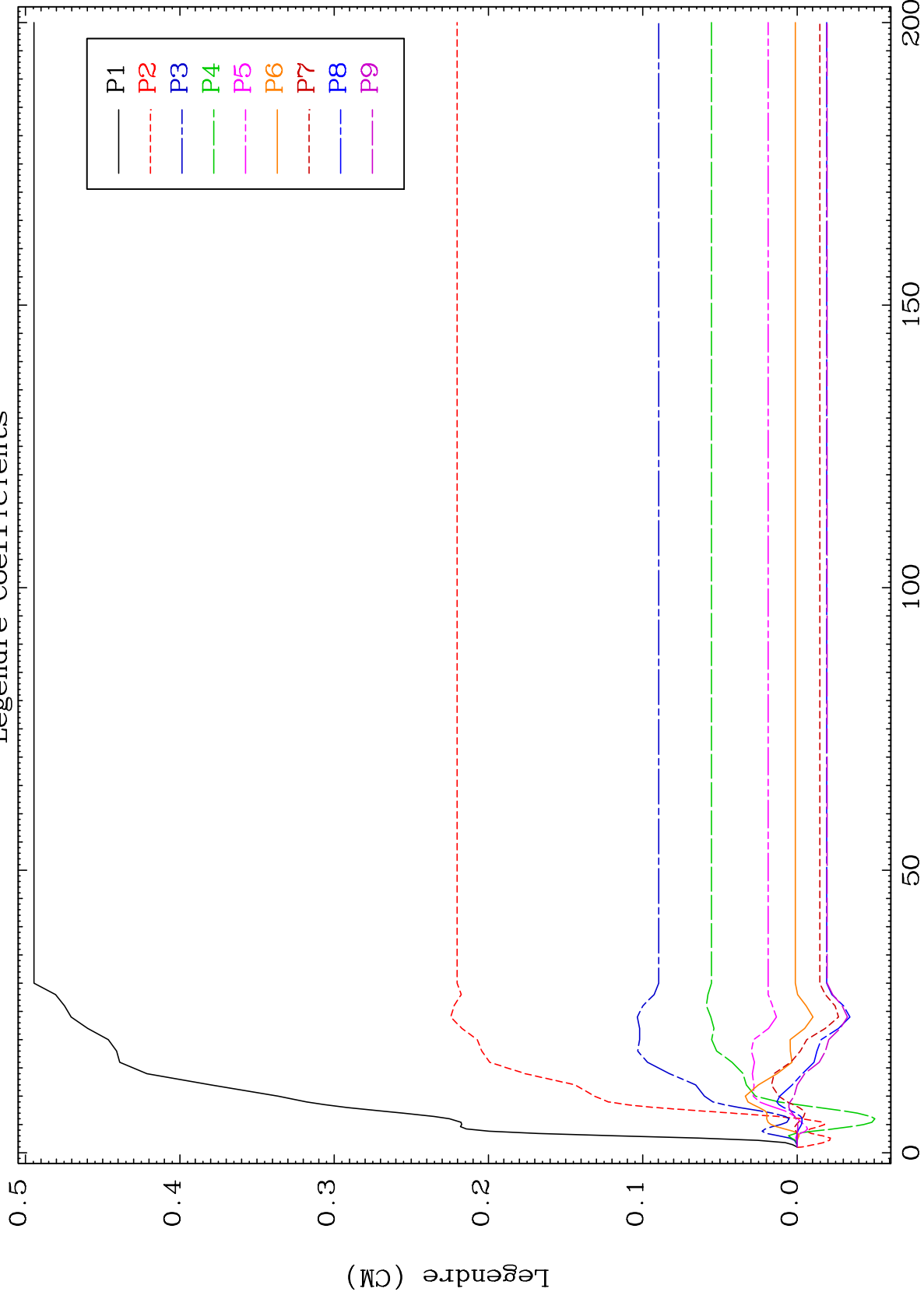




MAT 7716

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

77-Ir-188



82

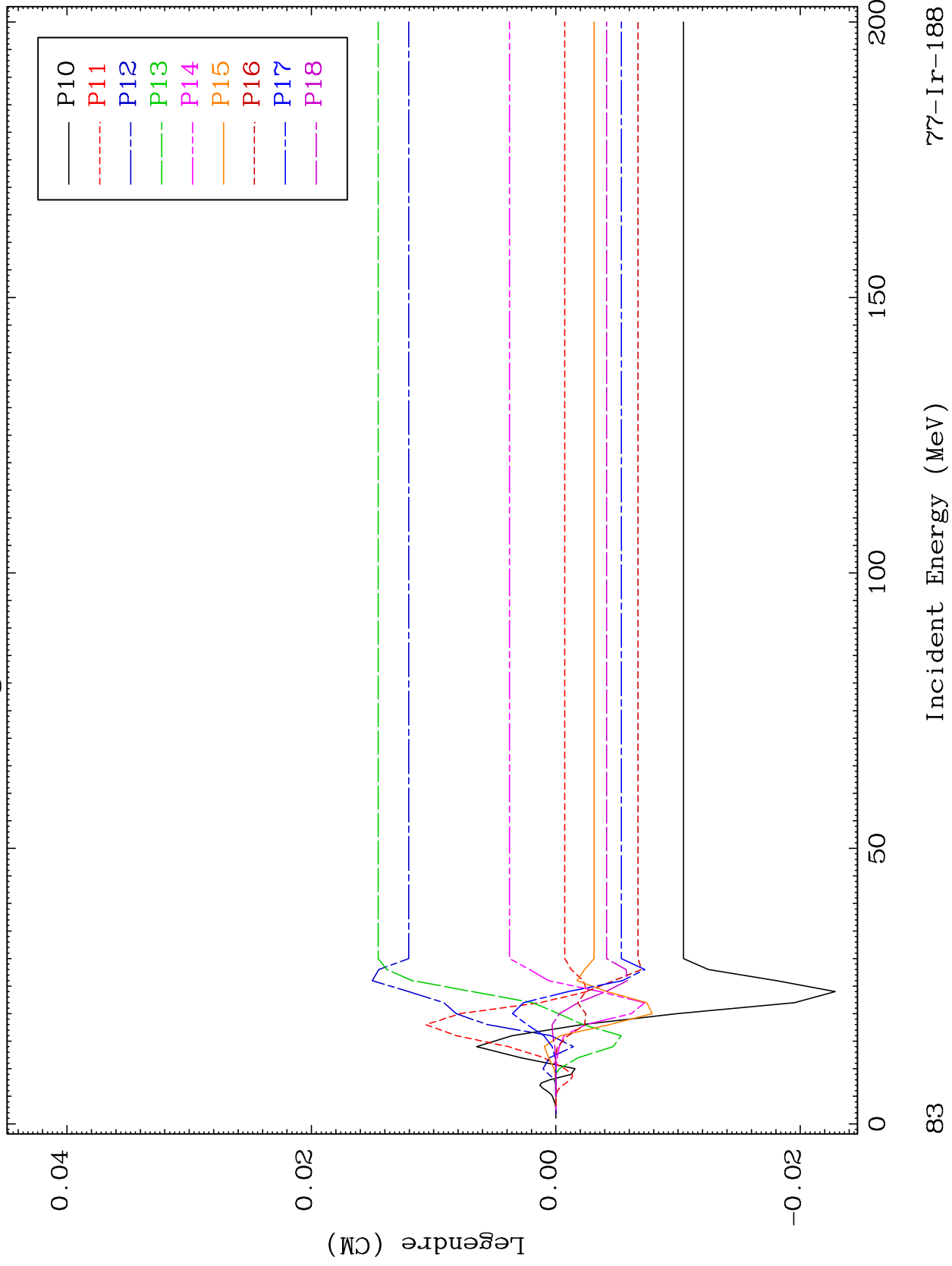
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



83

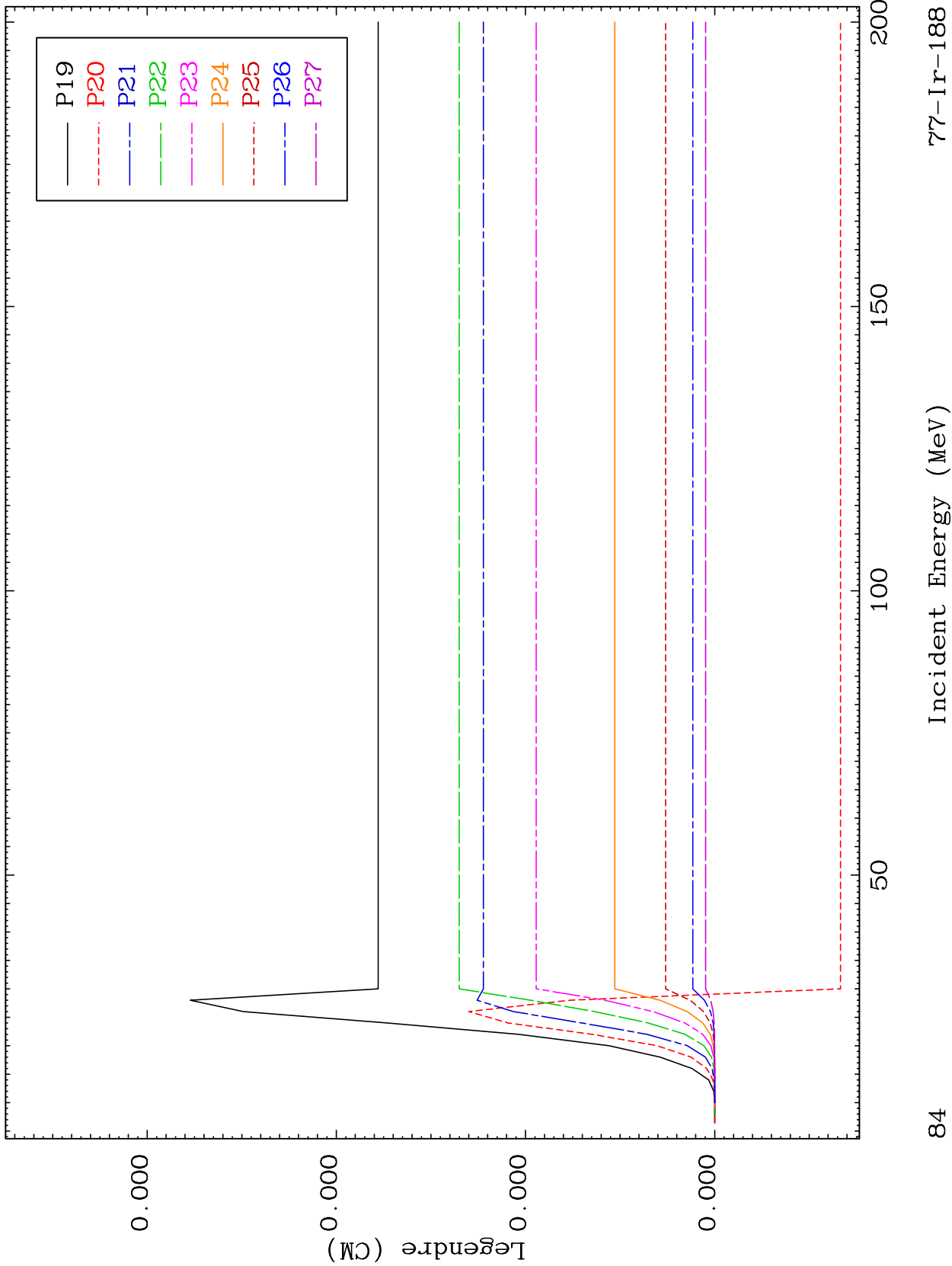
Incident Energy (MeV)

77-Ir-188

MAT 7716

77-Ir-188

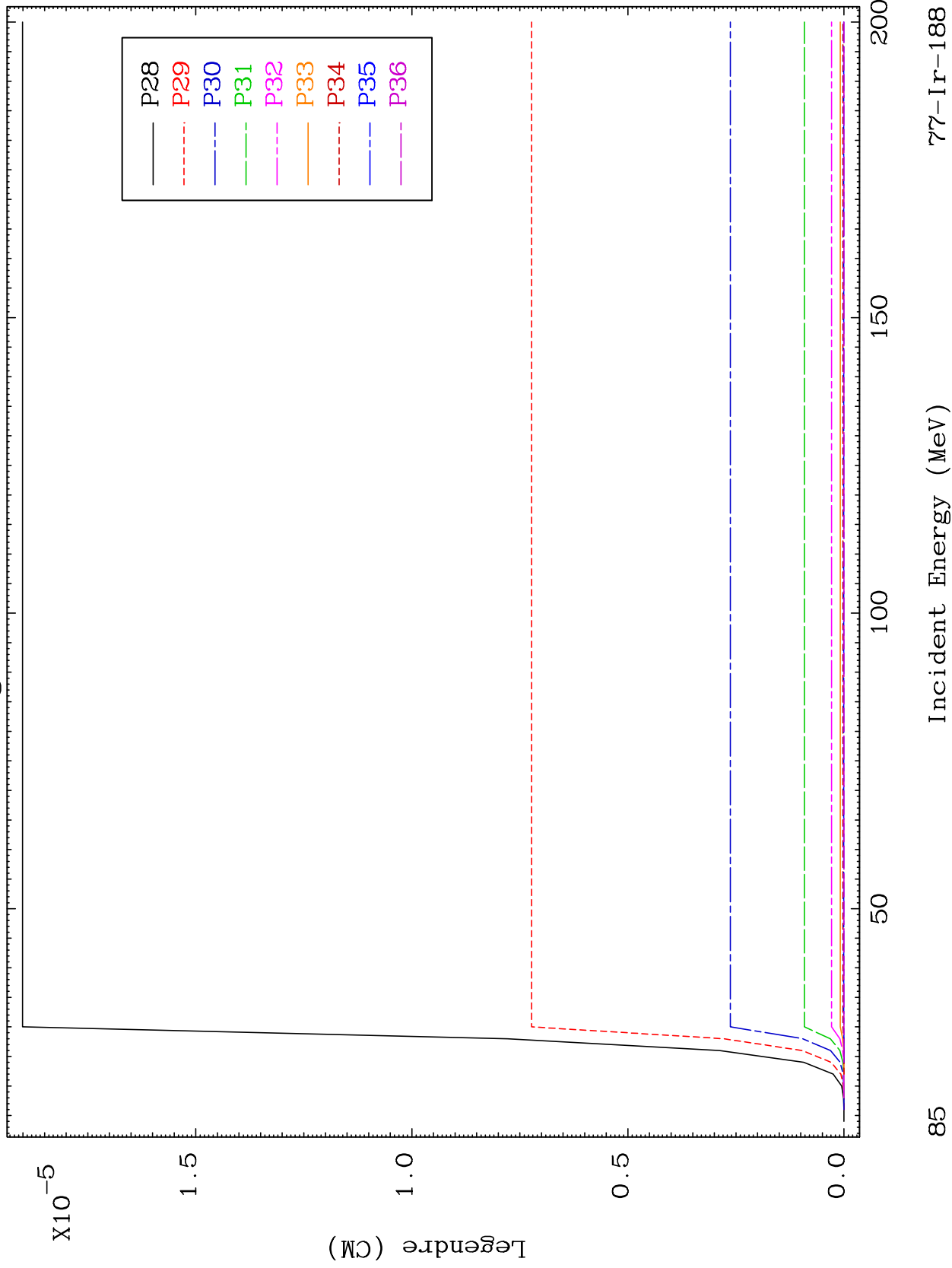
MT= 68 (n,n') Level
Legendre Coefficients



MAT 7716

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

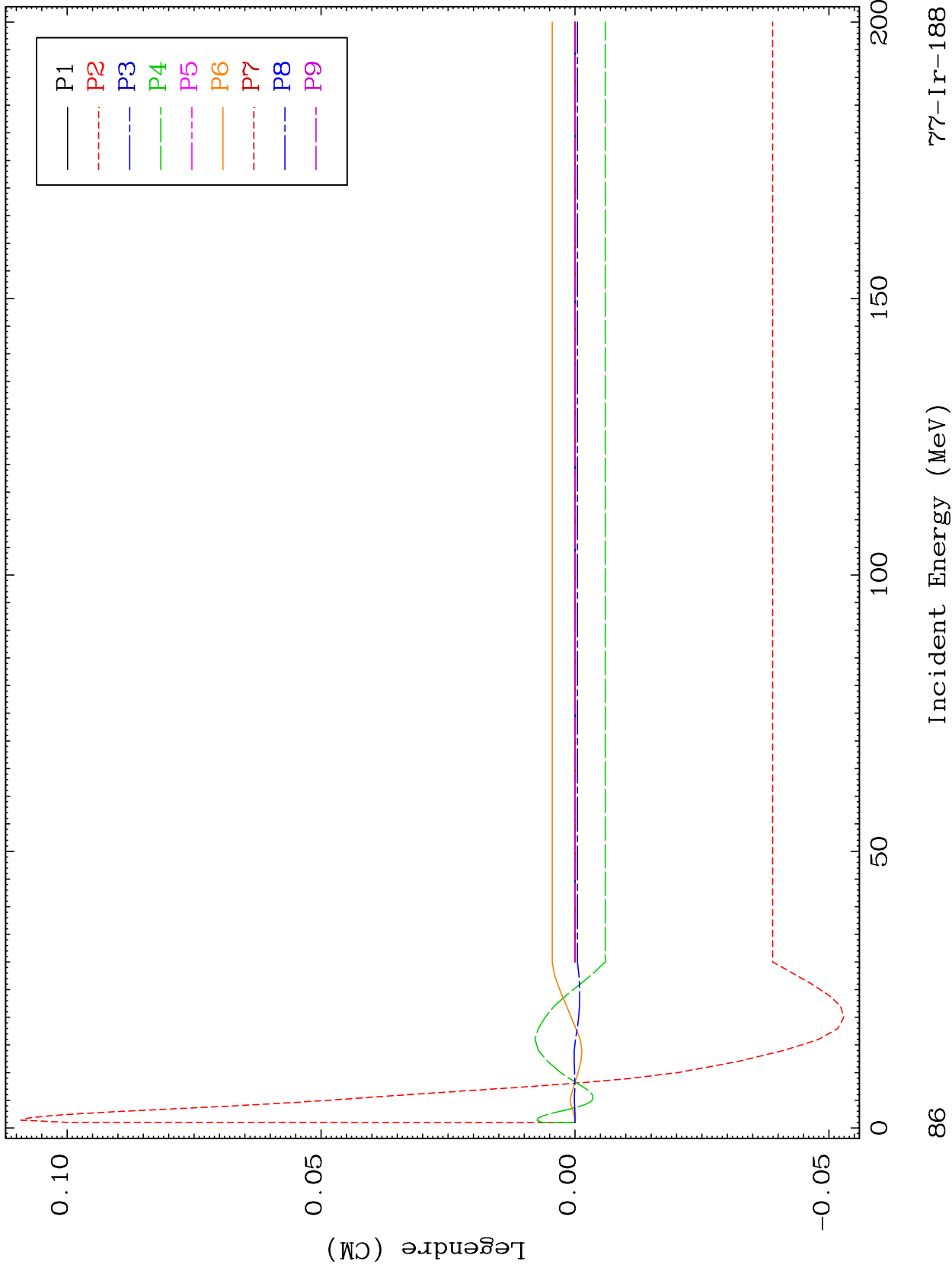
77-Ir-188



MAT 7716

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

77-Ir-188



77-Ir-188

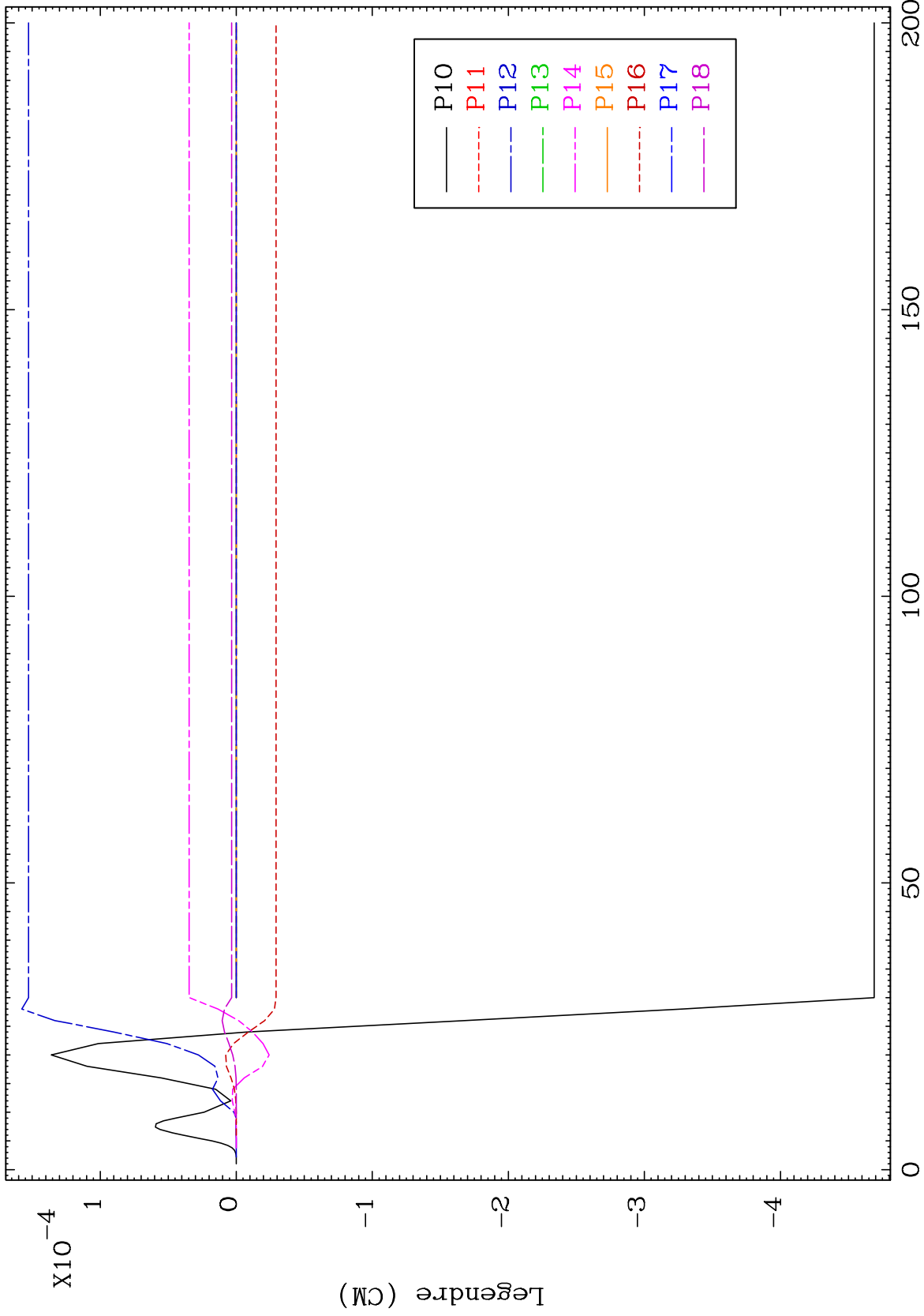
Incident Energy (MeV)

86

MAT 7716

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

77-Ir-188



87

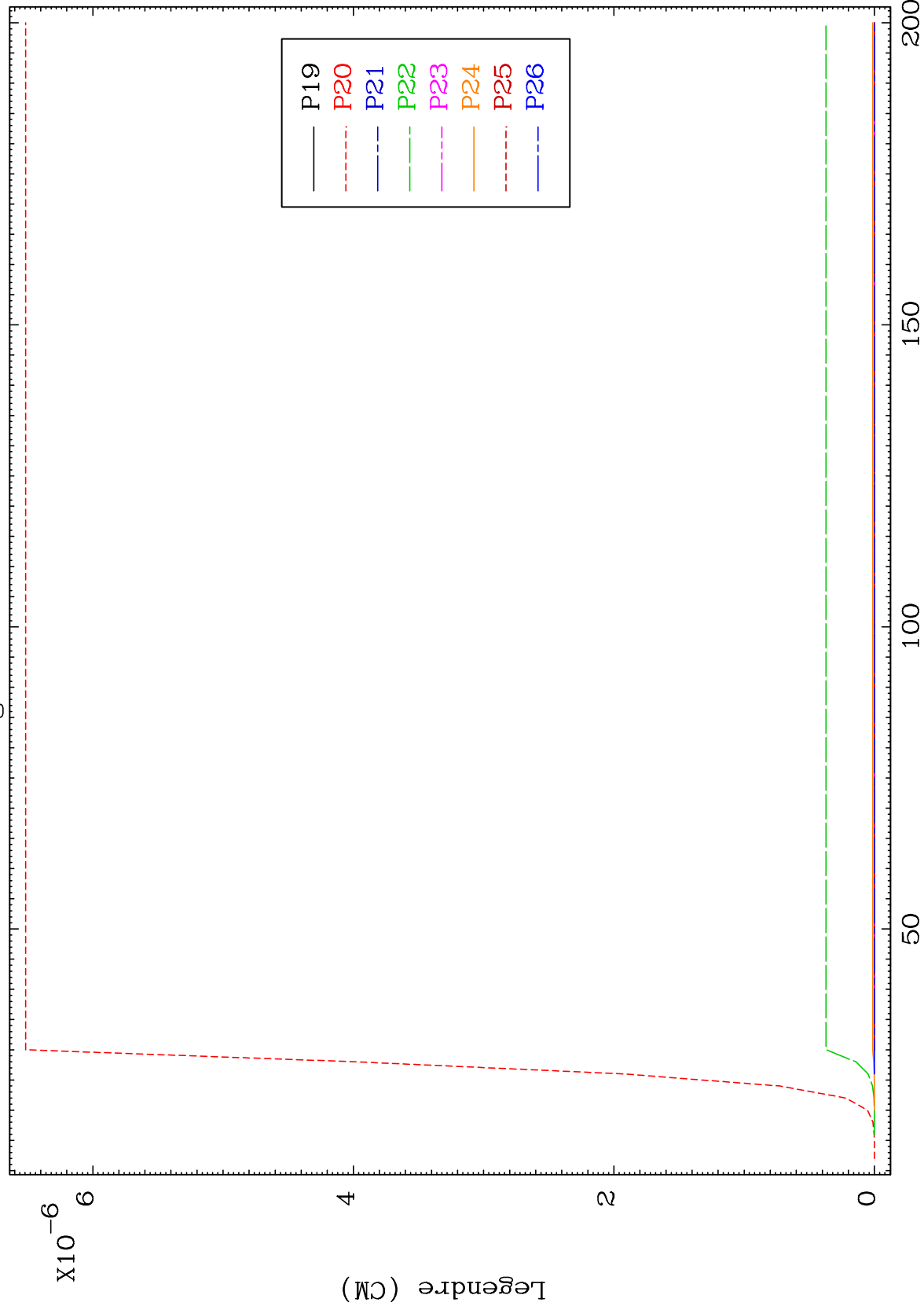
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



77-Ir-188

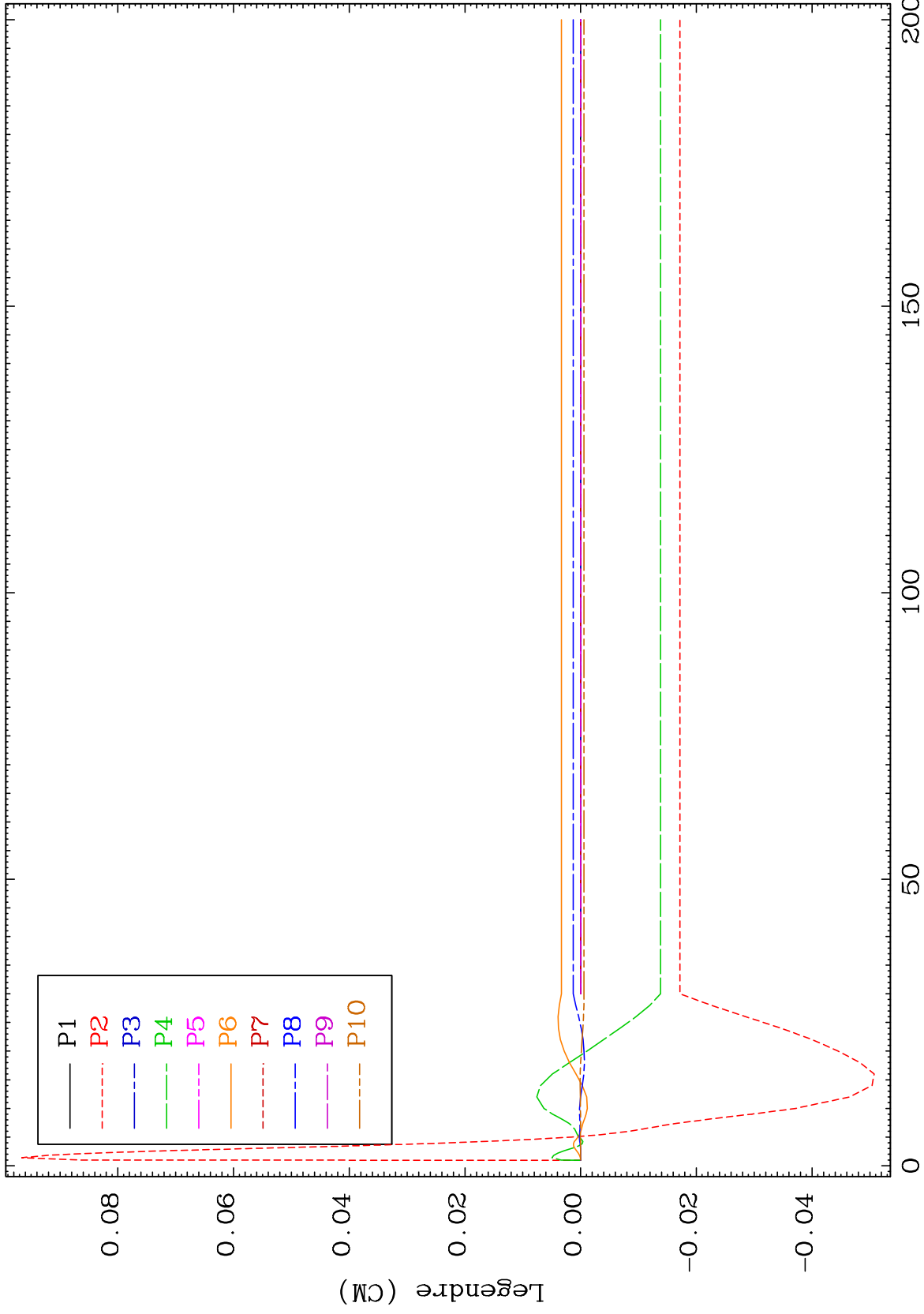
Incident Energy (MeV)

88

MAT 7716

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

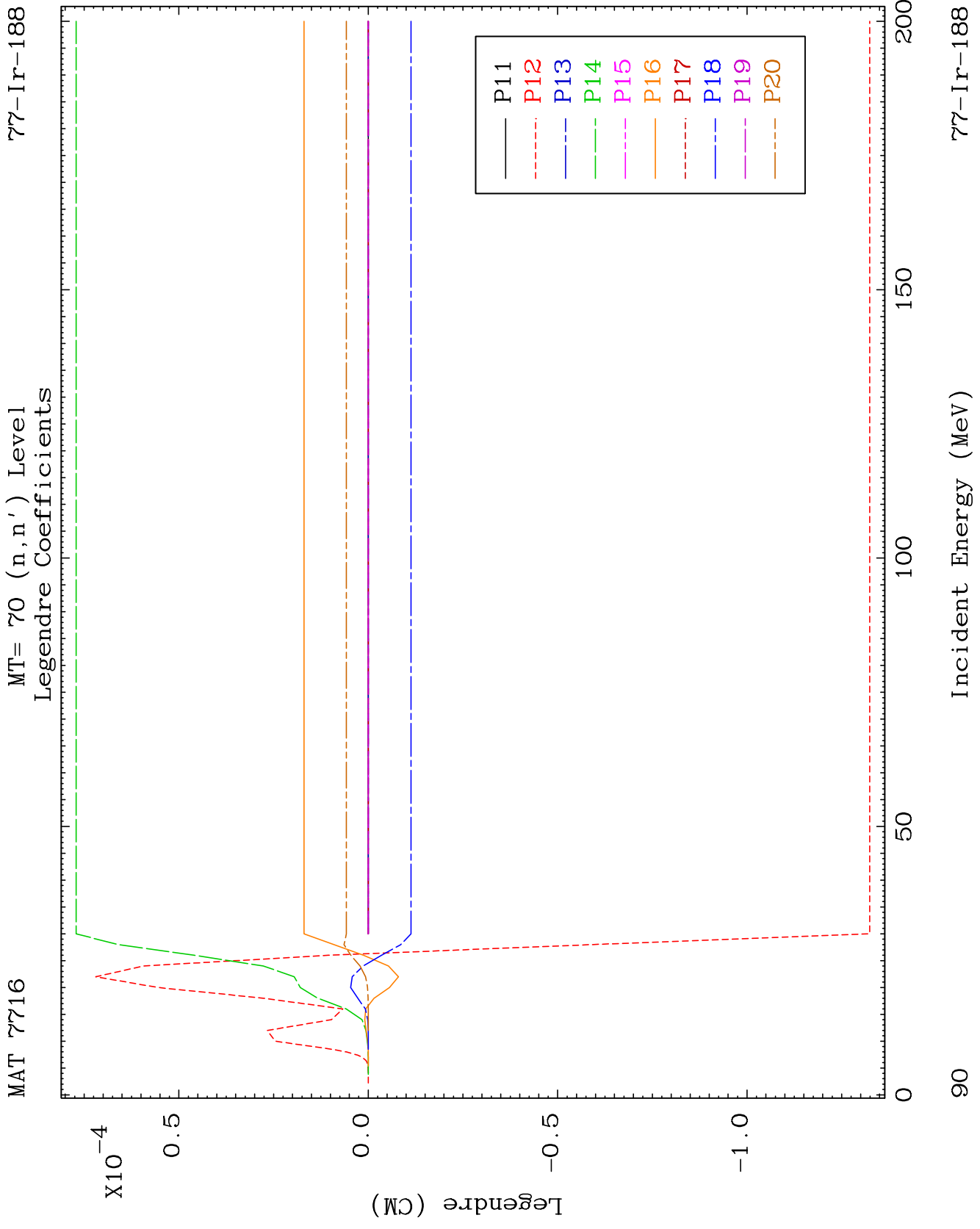
77-Ir-188

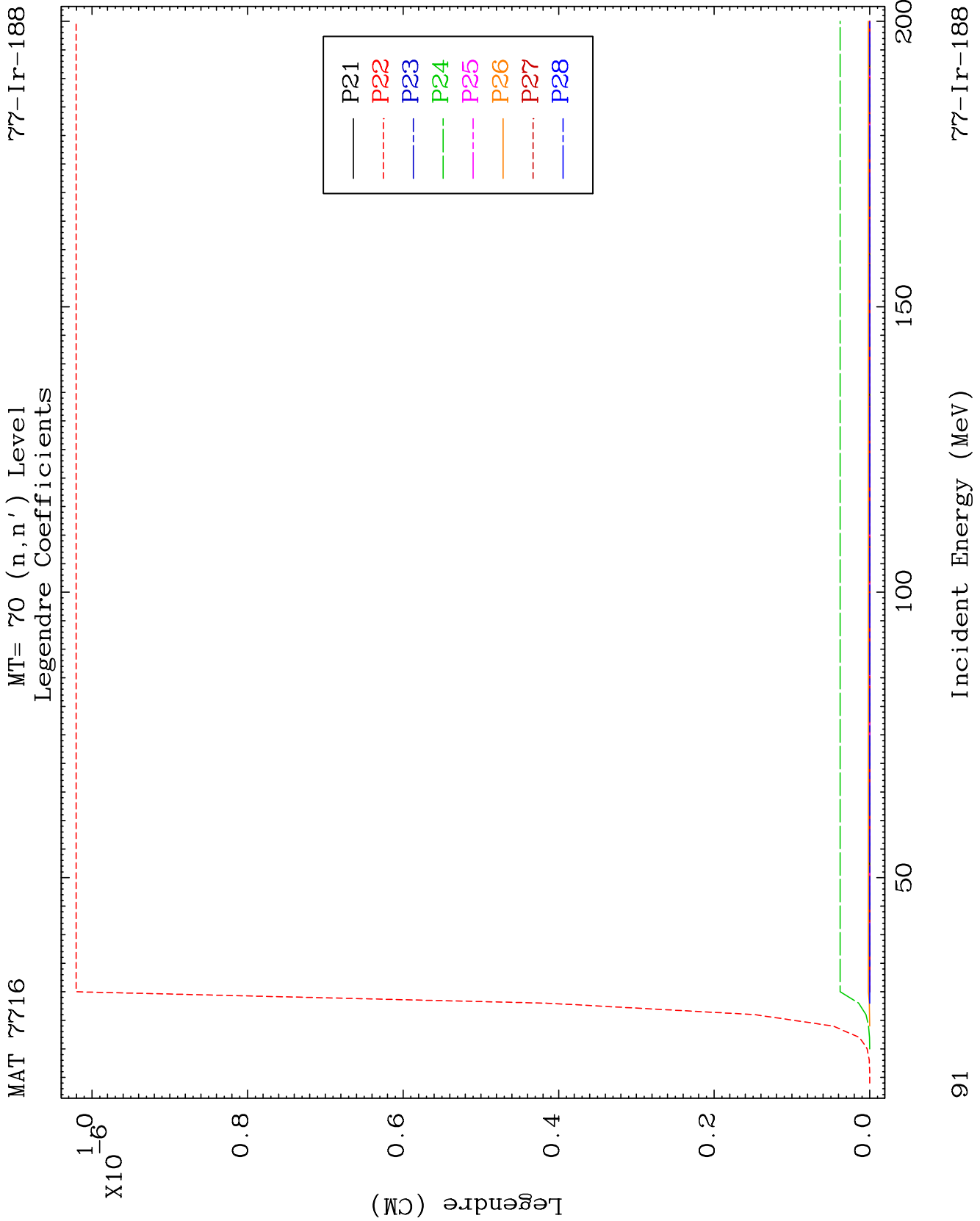


89

Incident Energy (MeV)

77-Ir-188

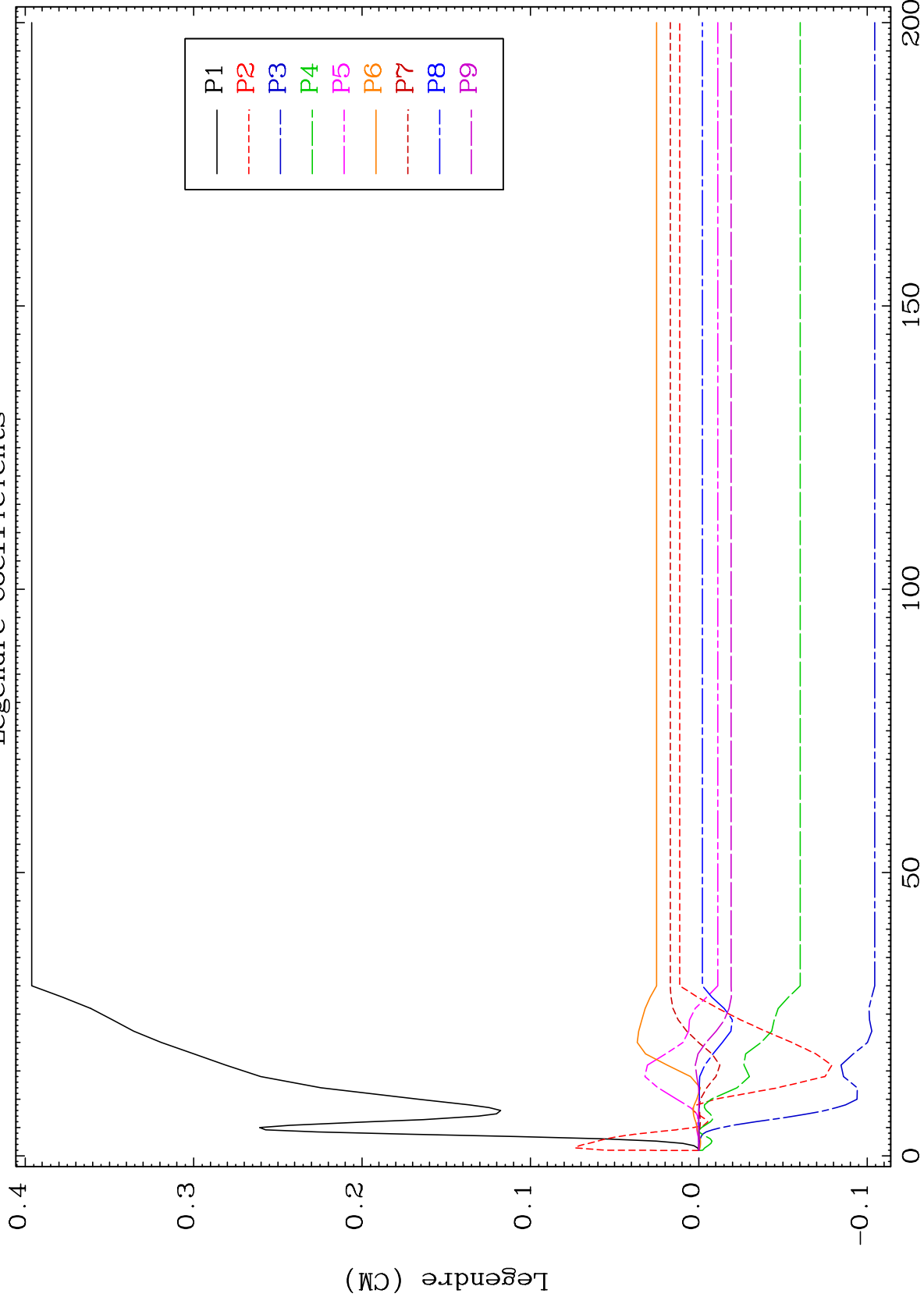




MAT 7716

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

77-Ir-188



92

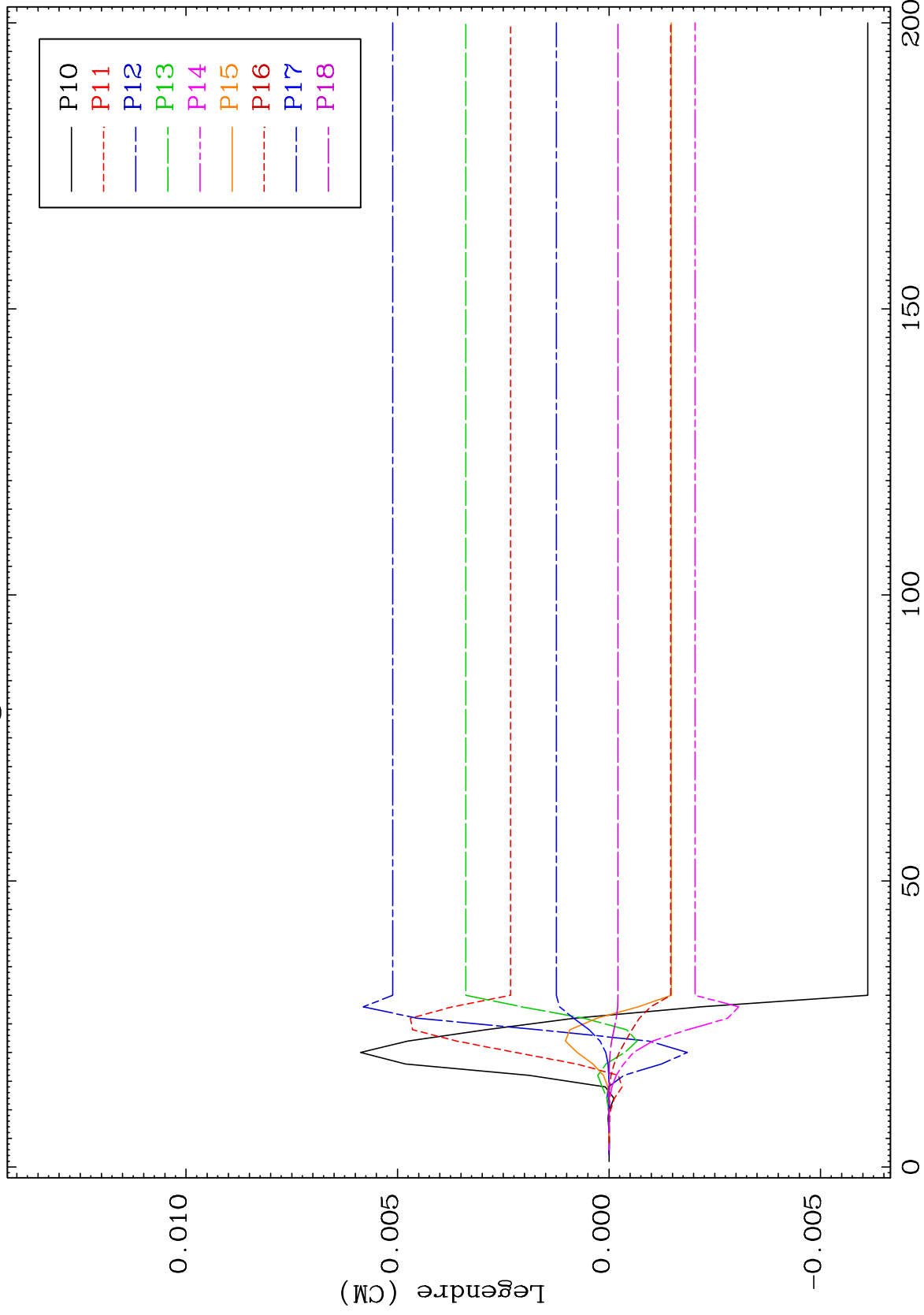
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



93

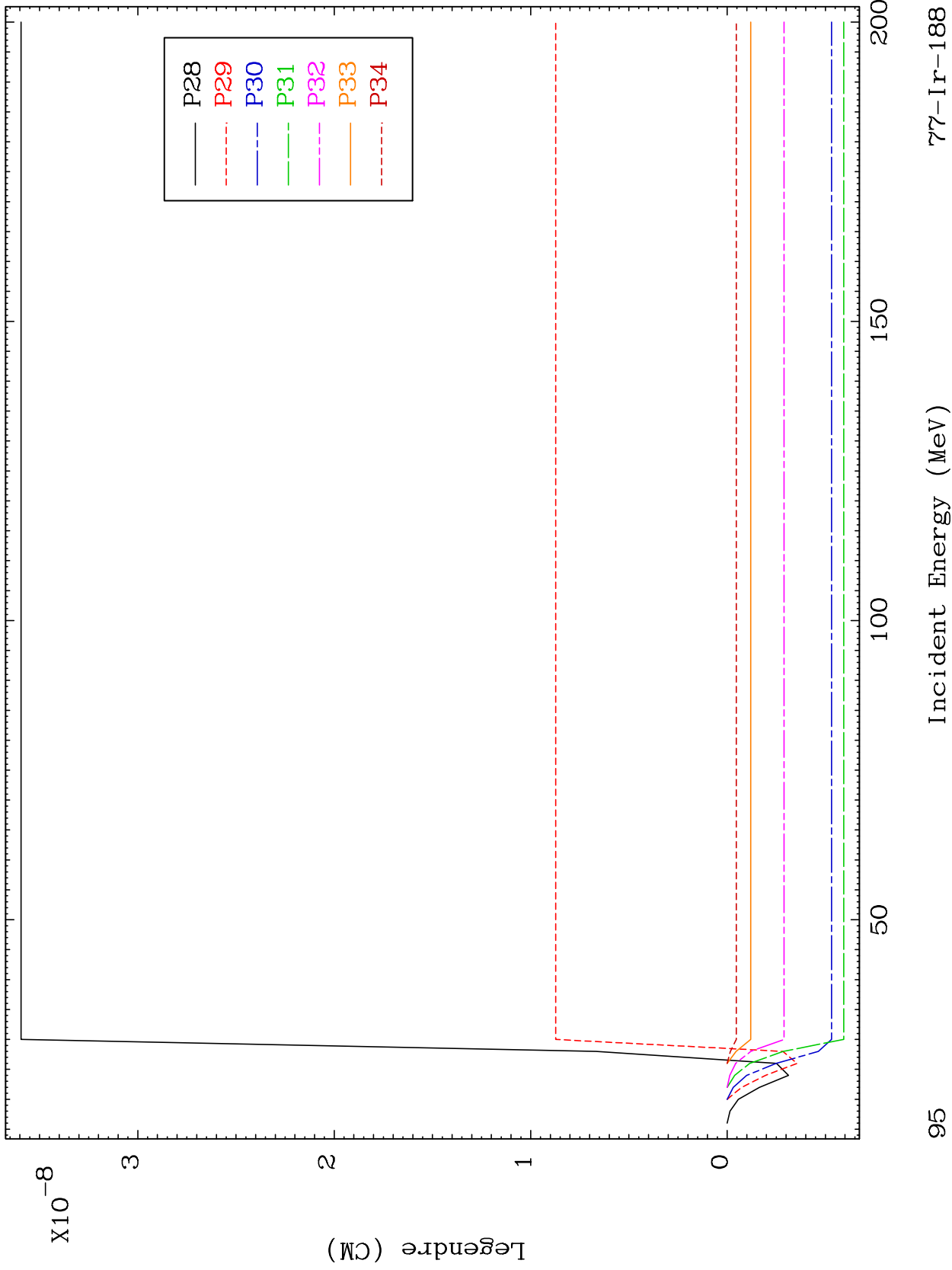
Incident Energy (MeV)

77-Ir-188

MAT 7716

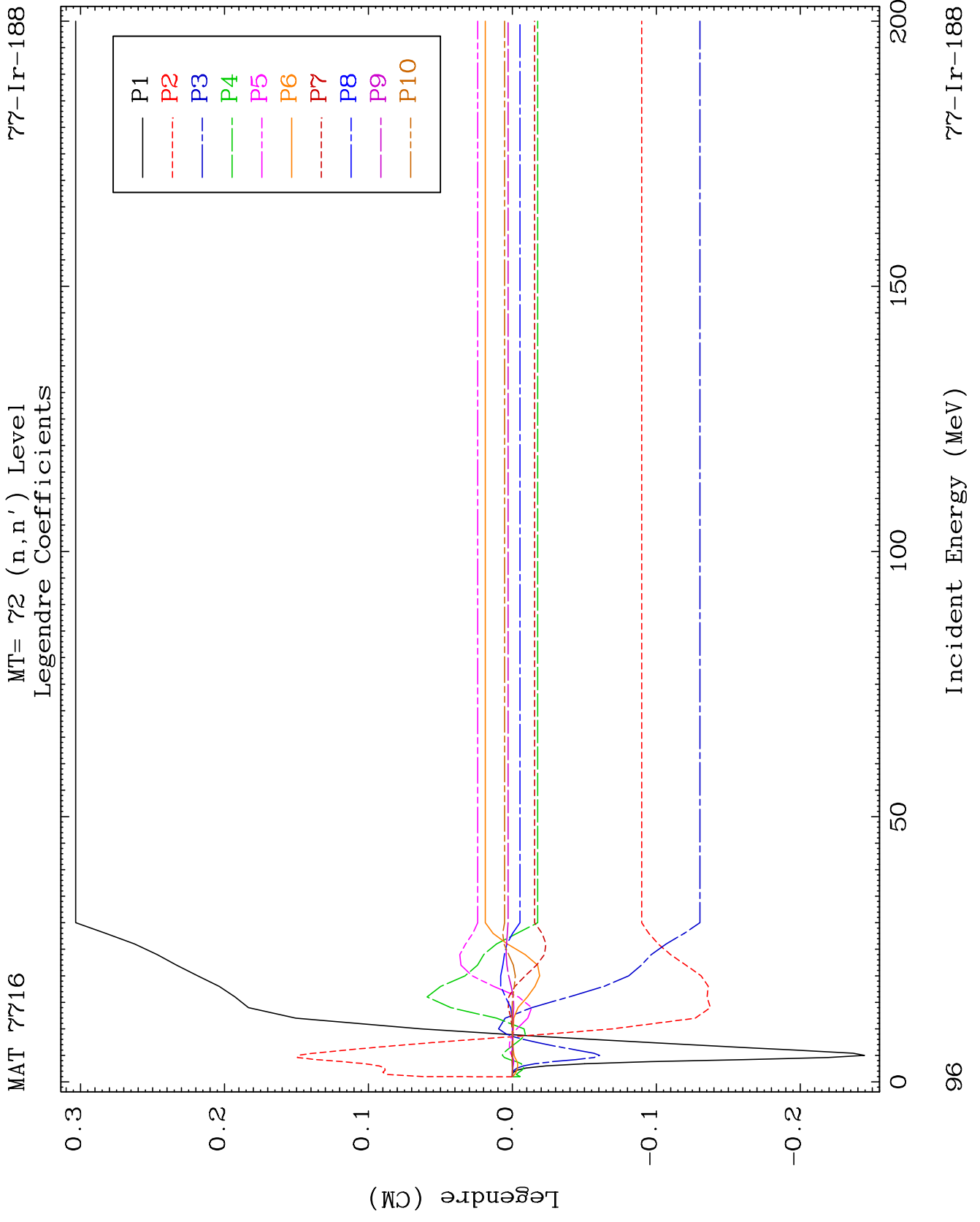
MT= 71 (n,n') Level
Legendre Coefficients

77-Ir-188



95

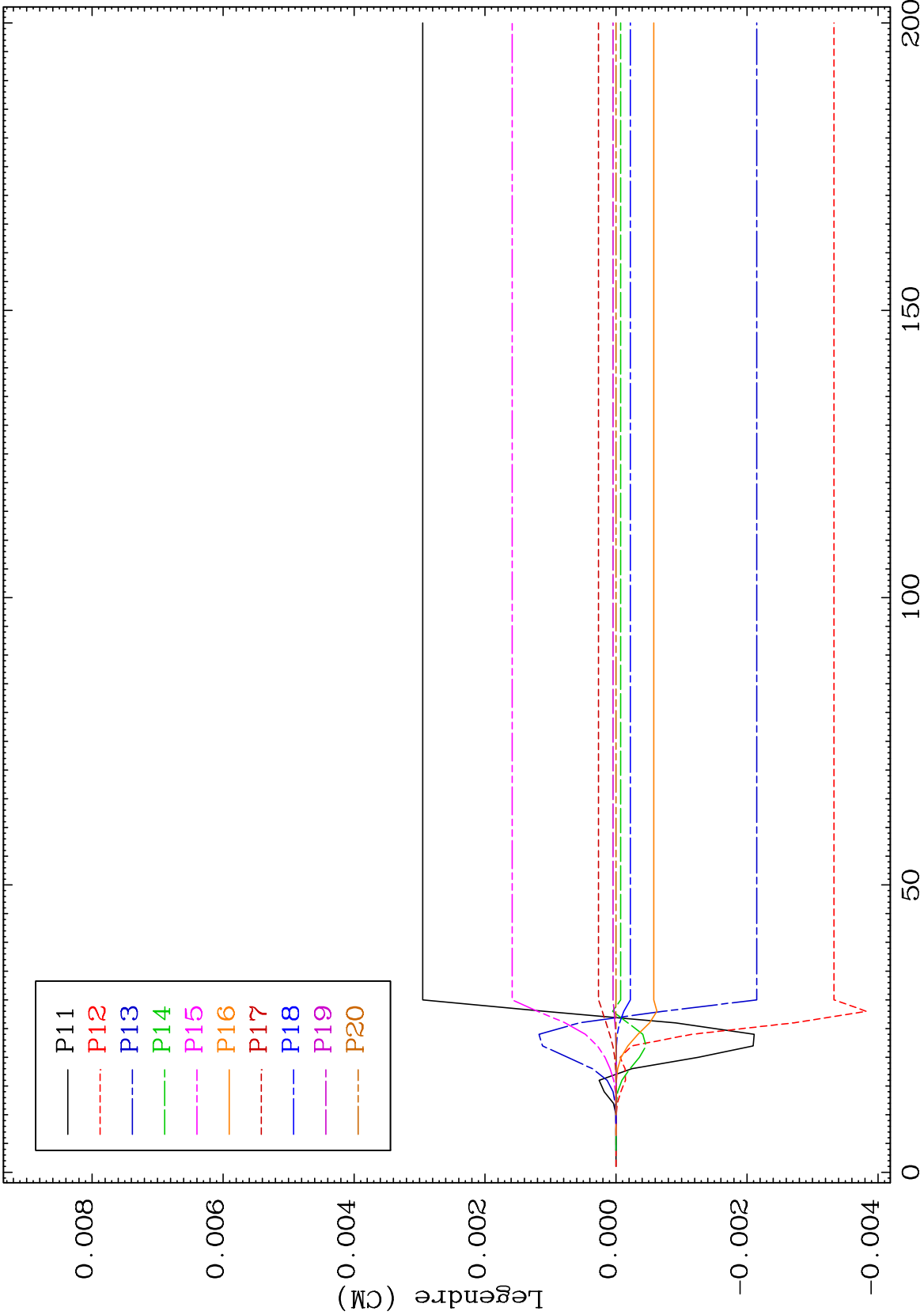
77-Ir-188



MAT 7716

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

77-Ir-188



97

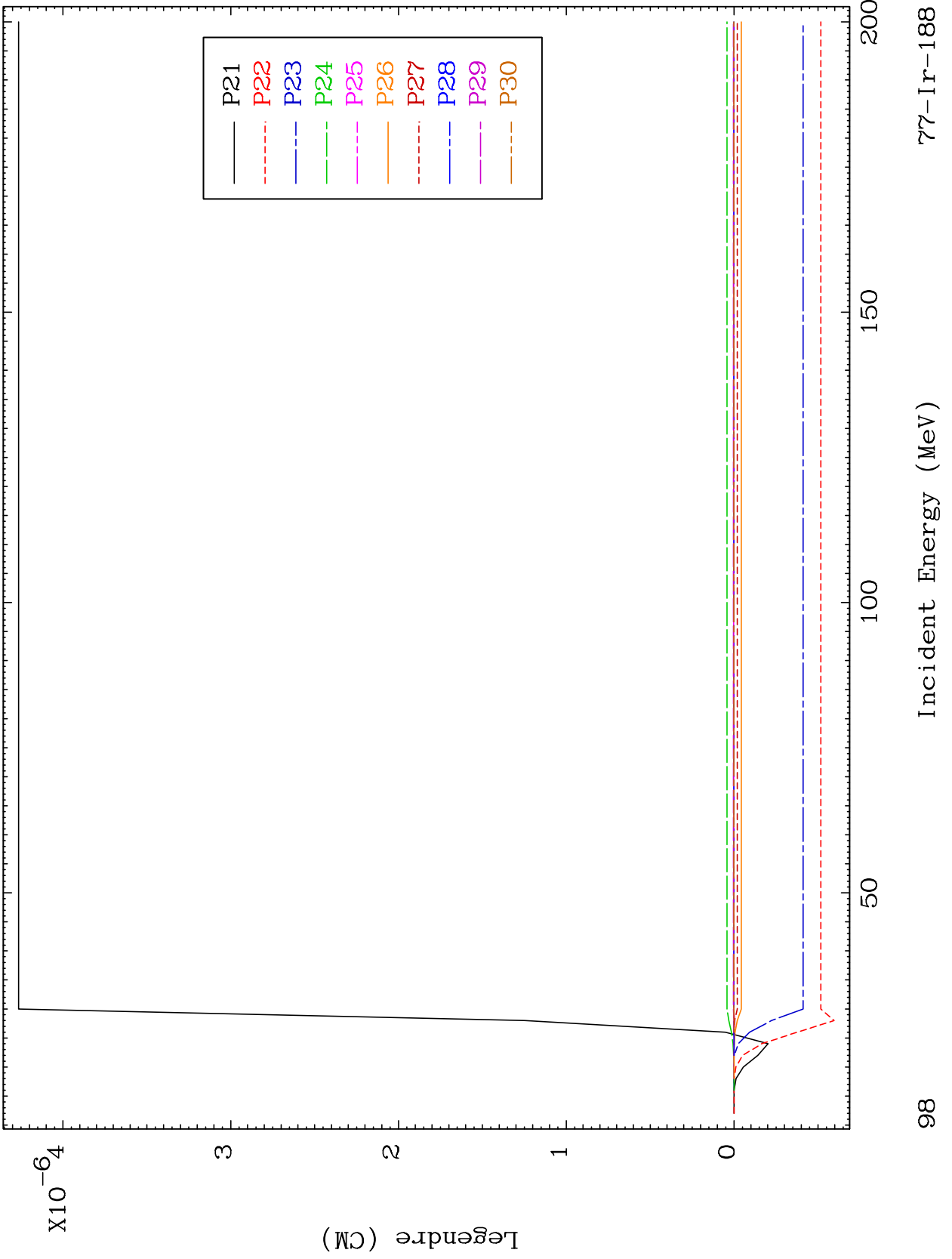
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



98

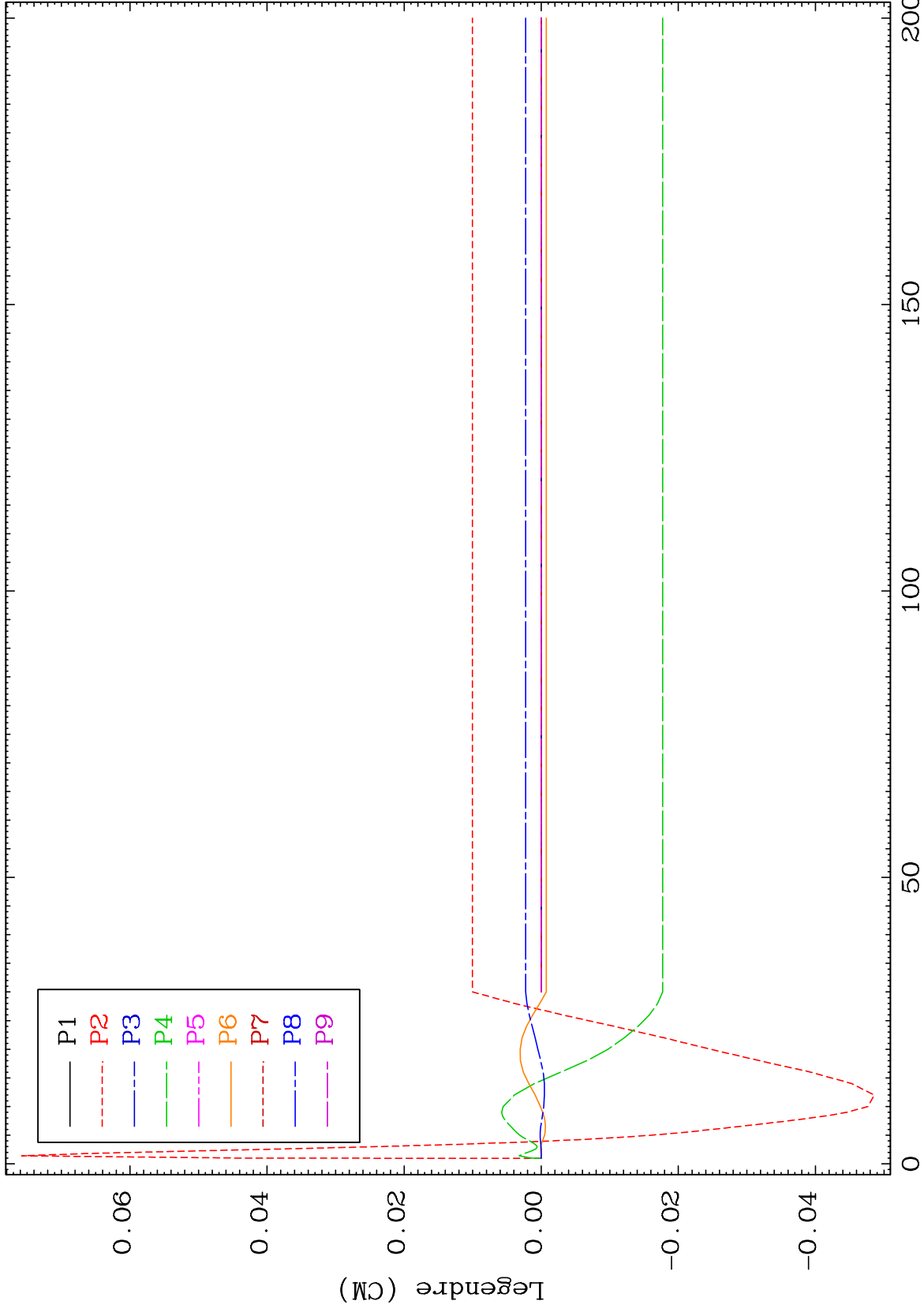
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



99

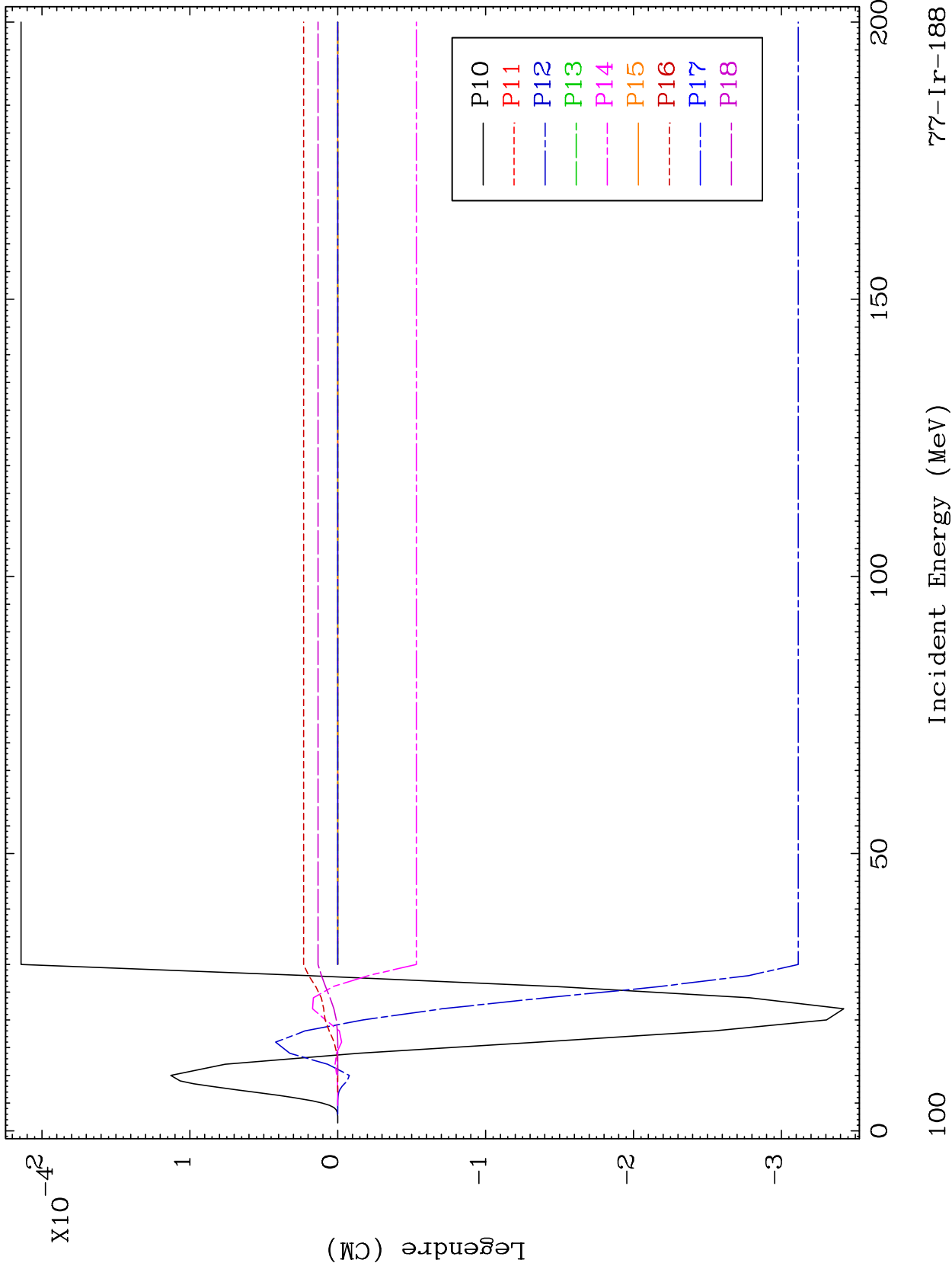
Incident Energy (MeV)

77-Ir-188

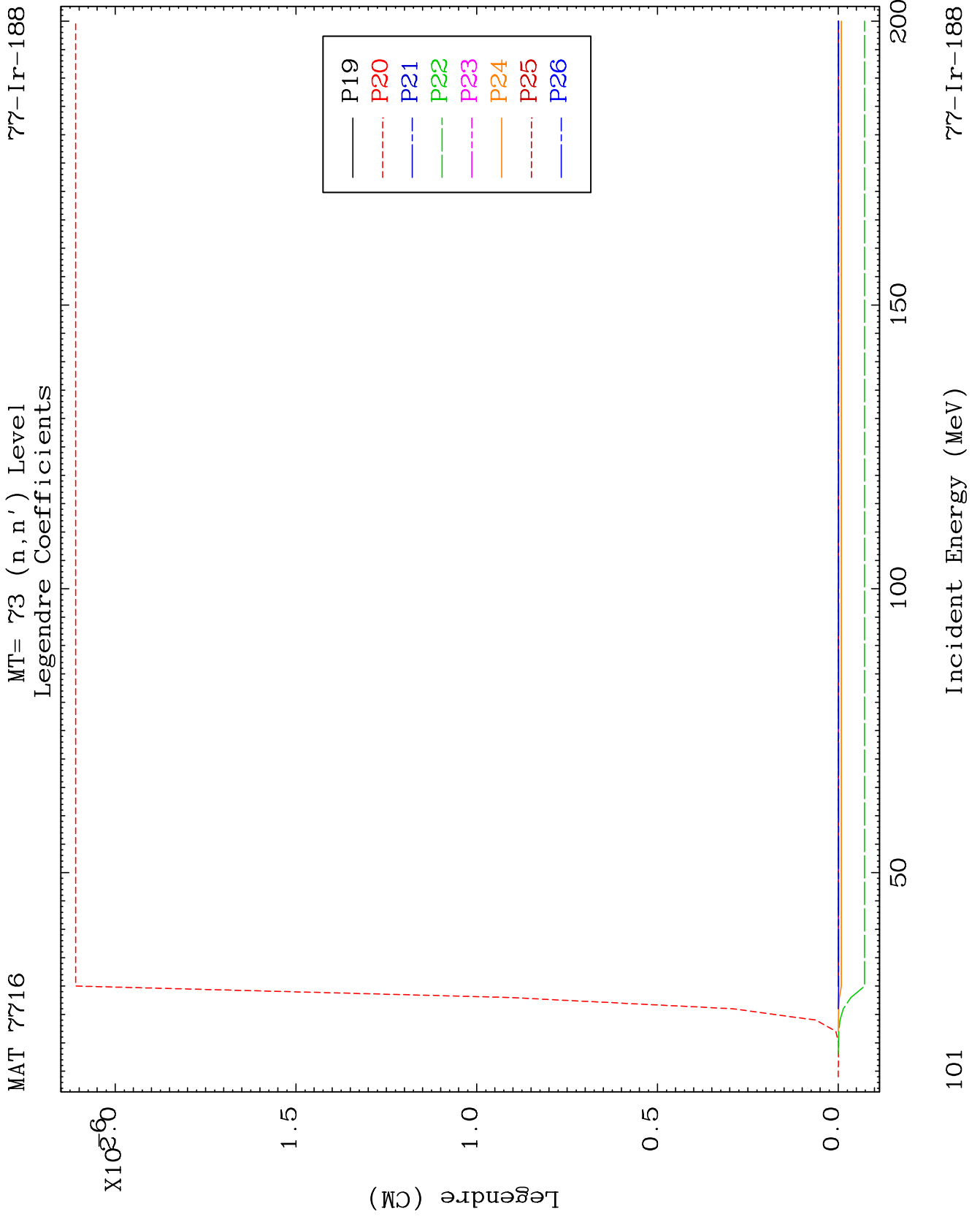
MAT 7716

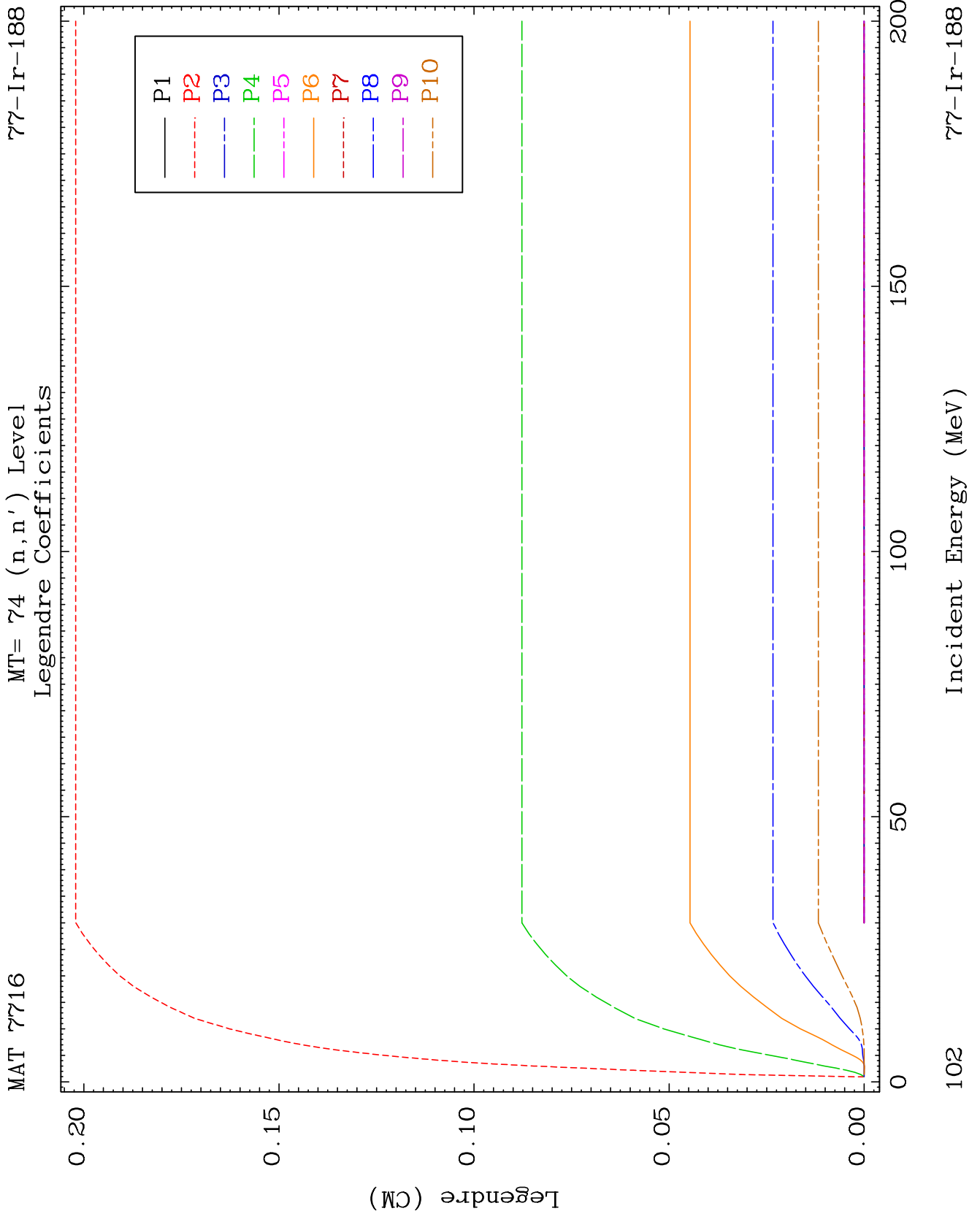
MT= 73 (n,n') Level
Legendre Coefficients

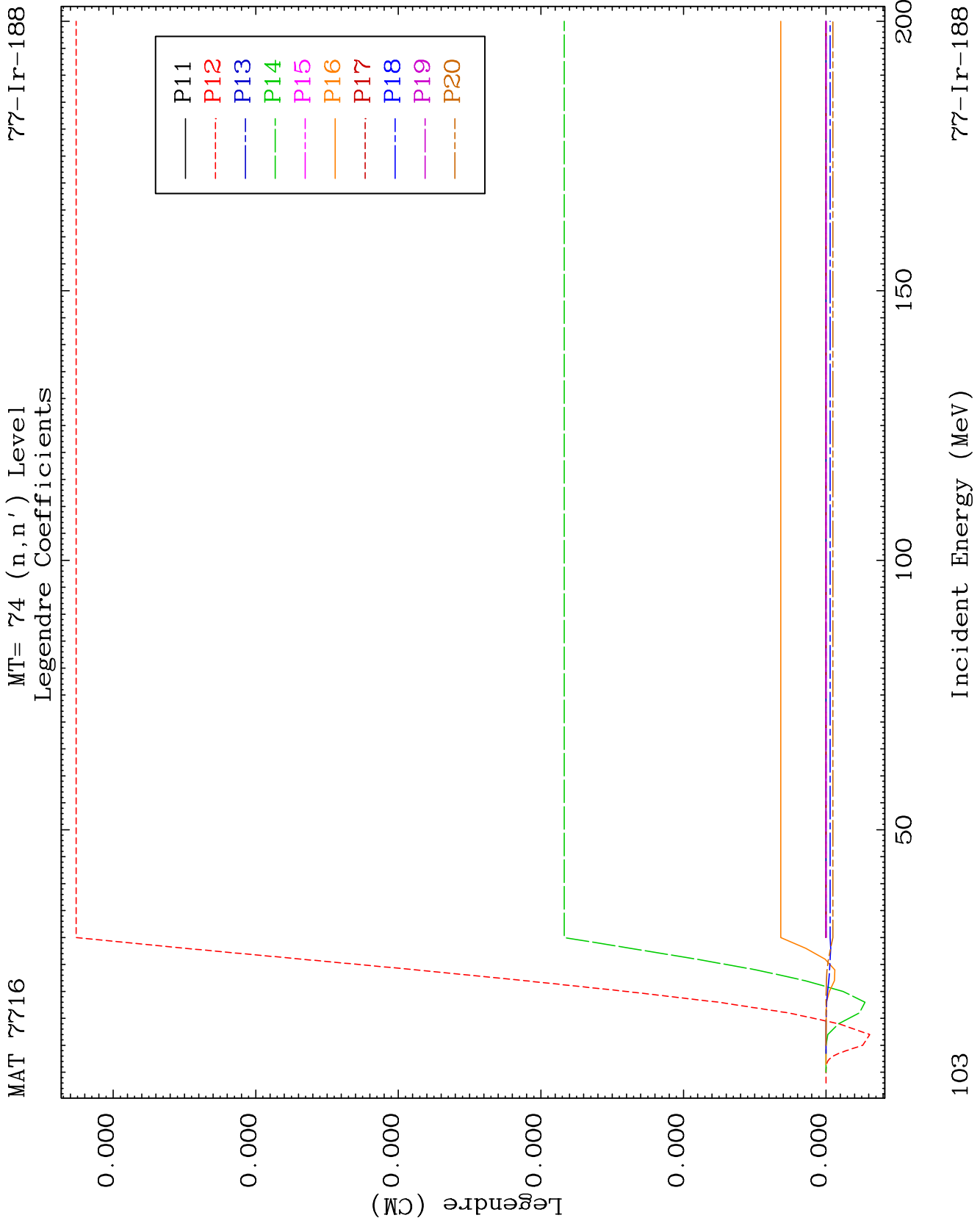
77-Ir-188

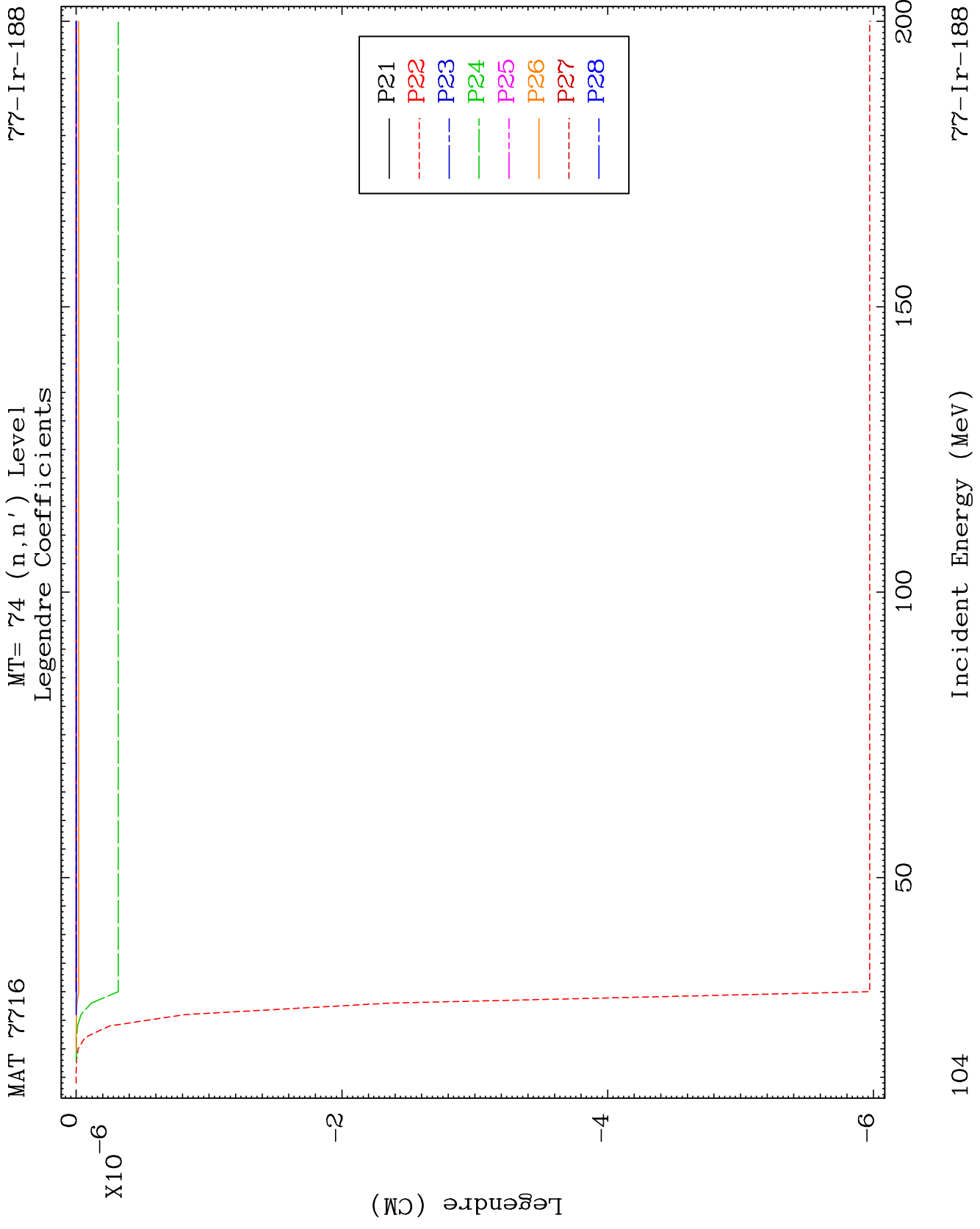


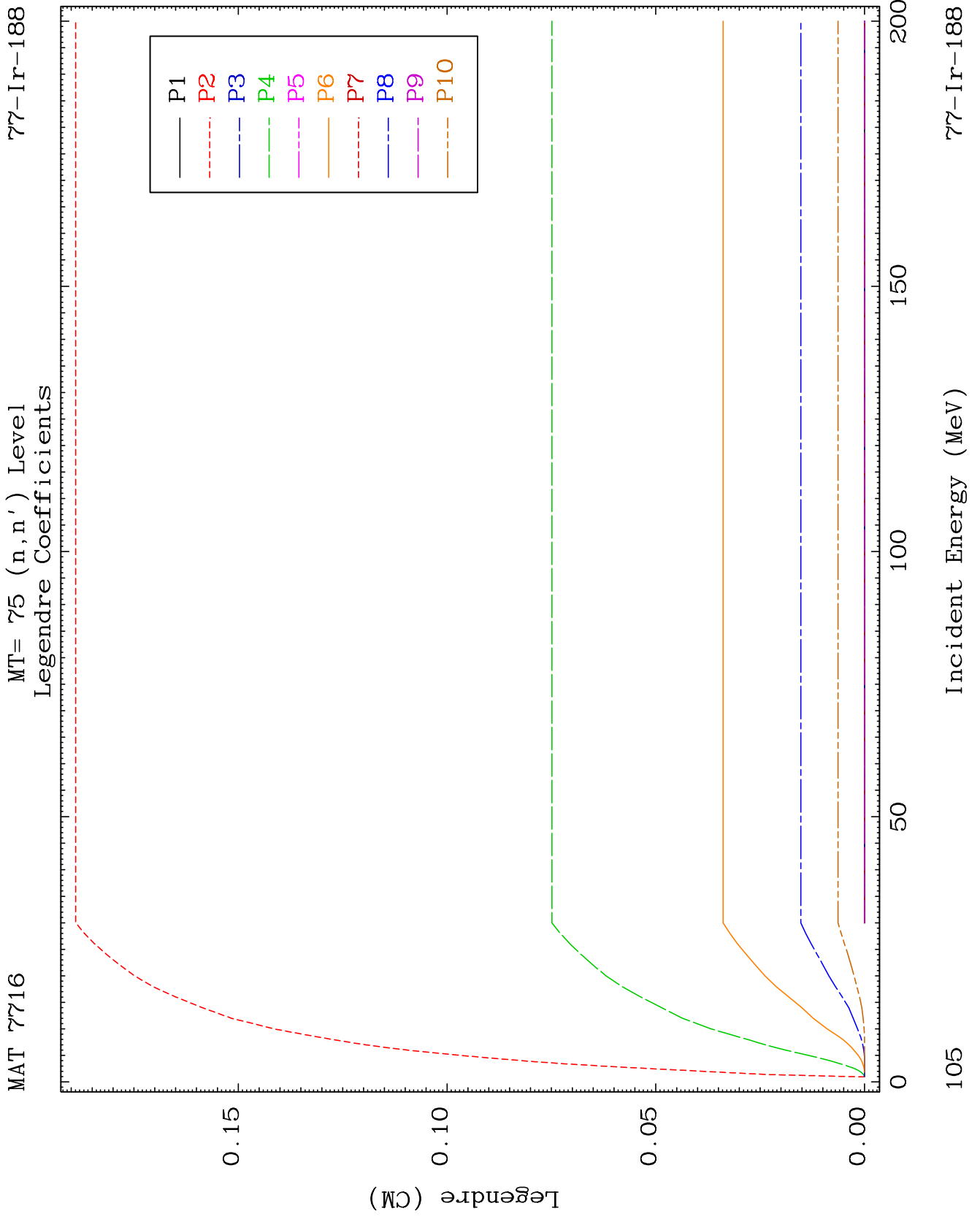
77-Ir-188

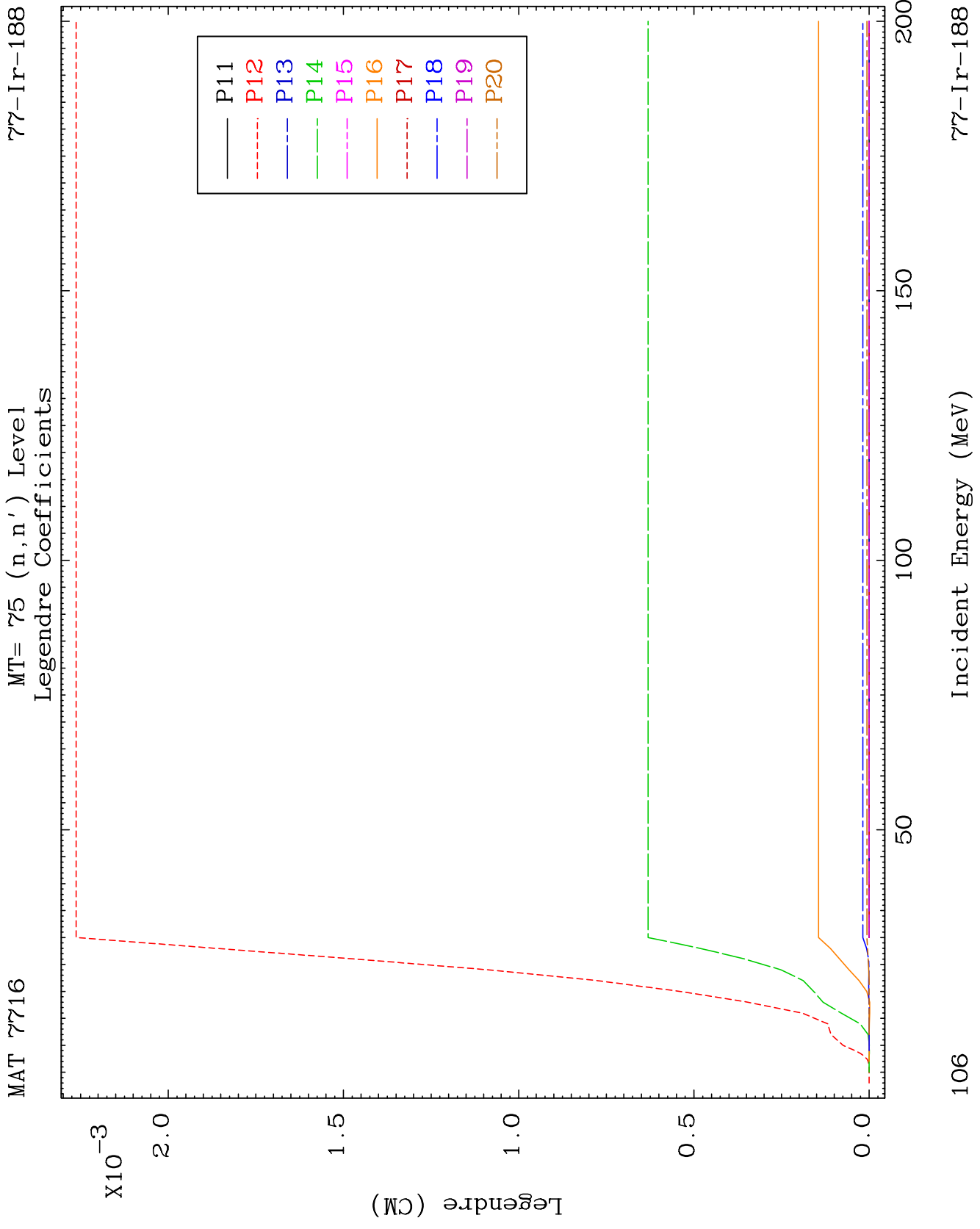


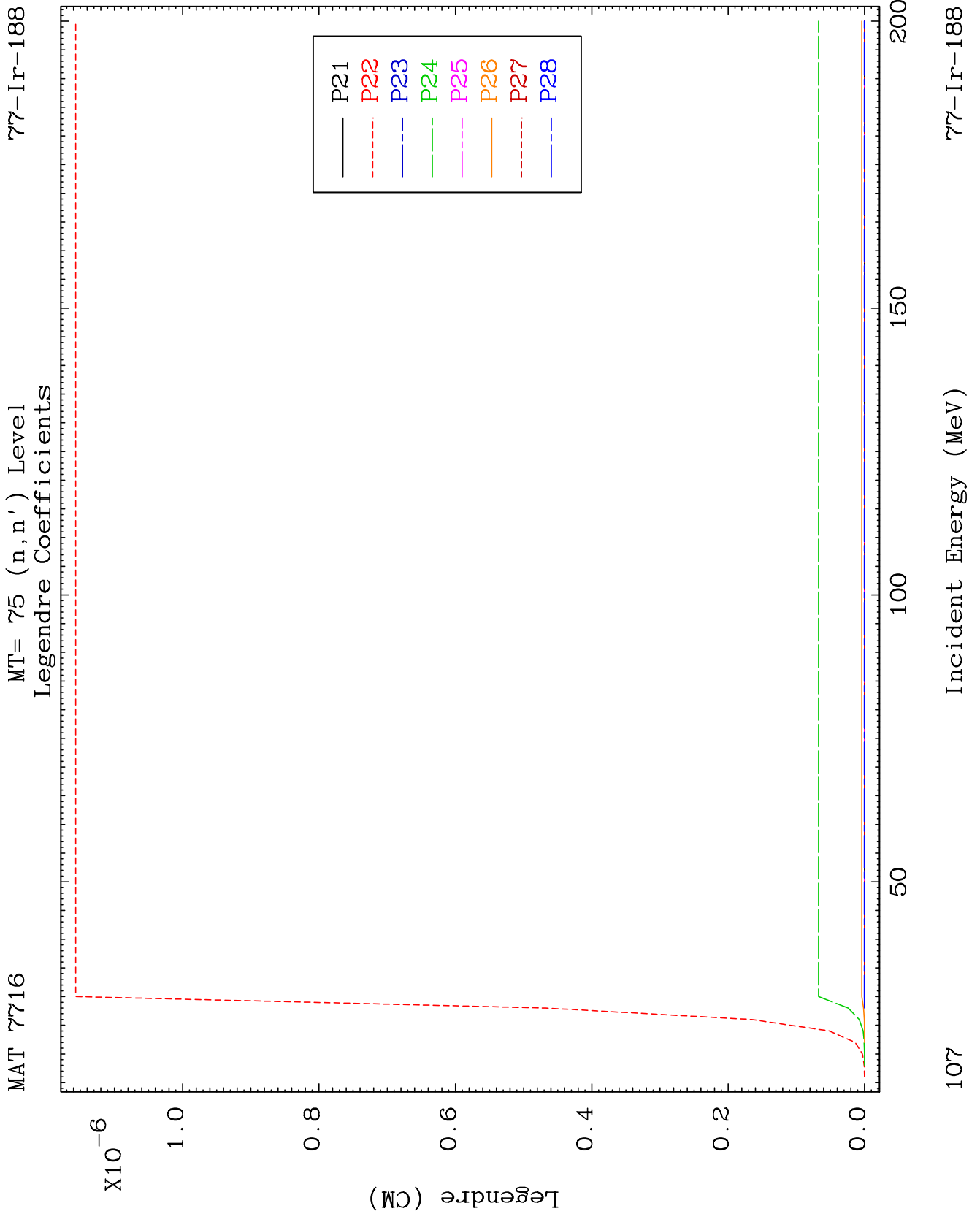










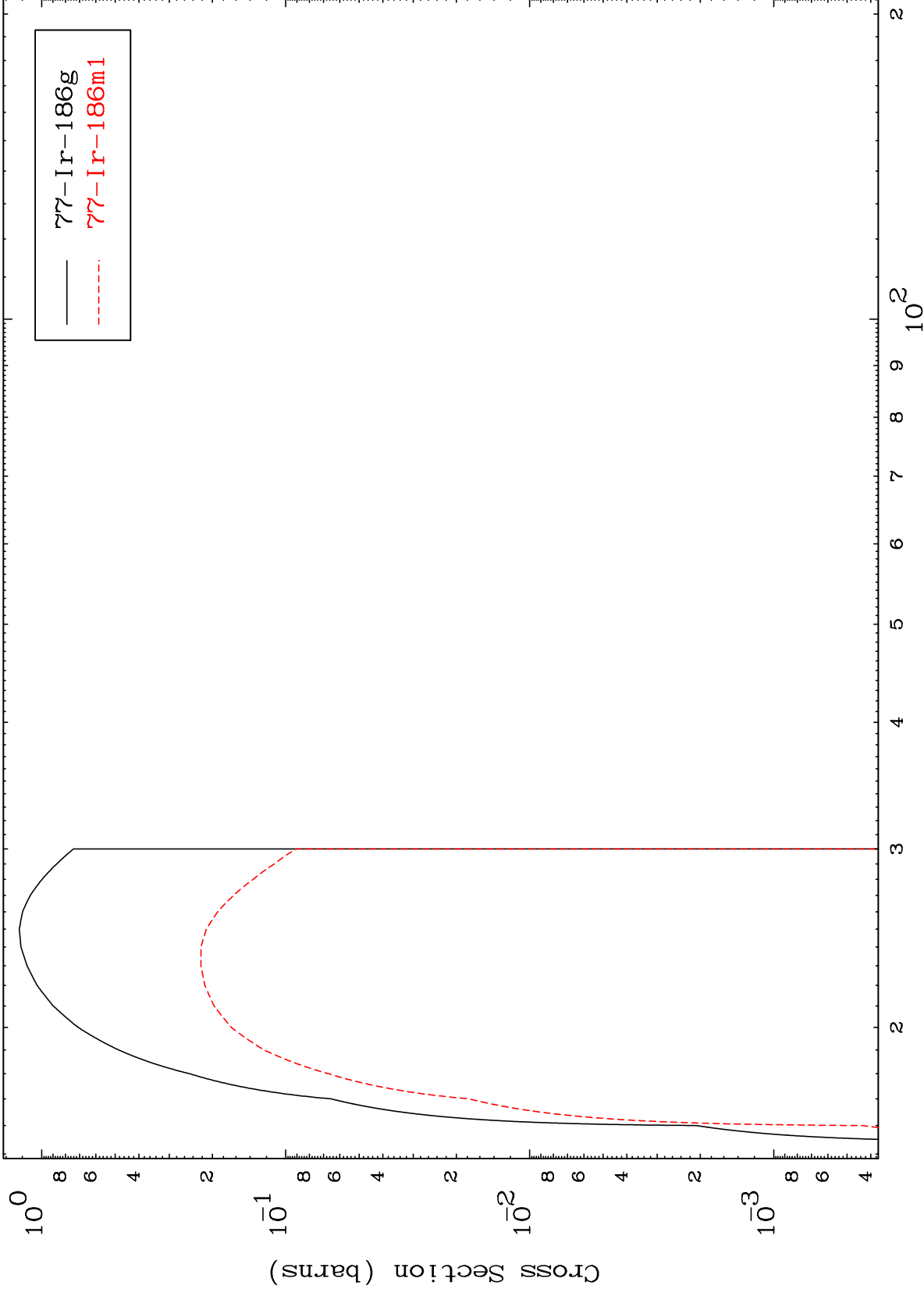


MAT 7716

(n,3n)

77-Ir-188

Radionuclide Production Cross Section



77-Ir-186g
77-Ir-186m1

108

Incident Energy (MeV)

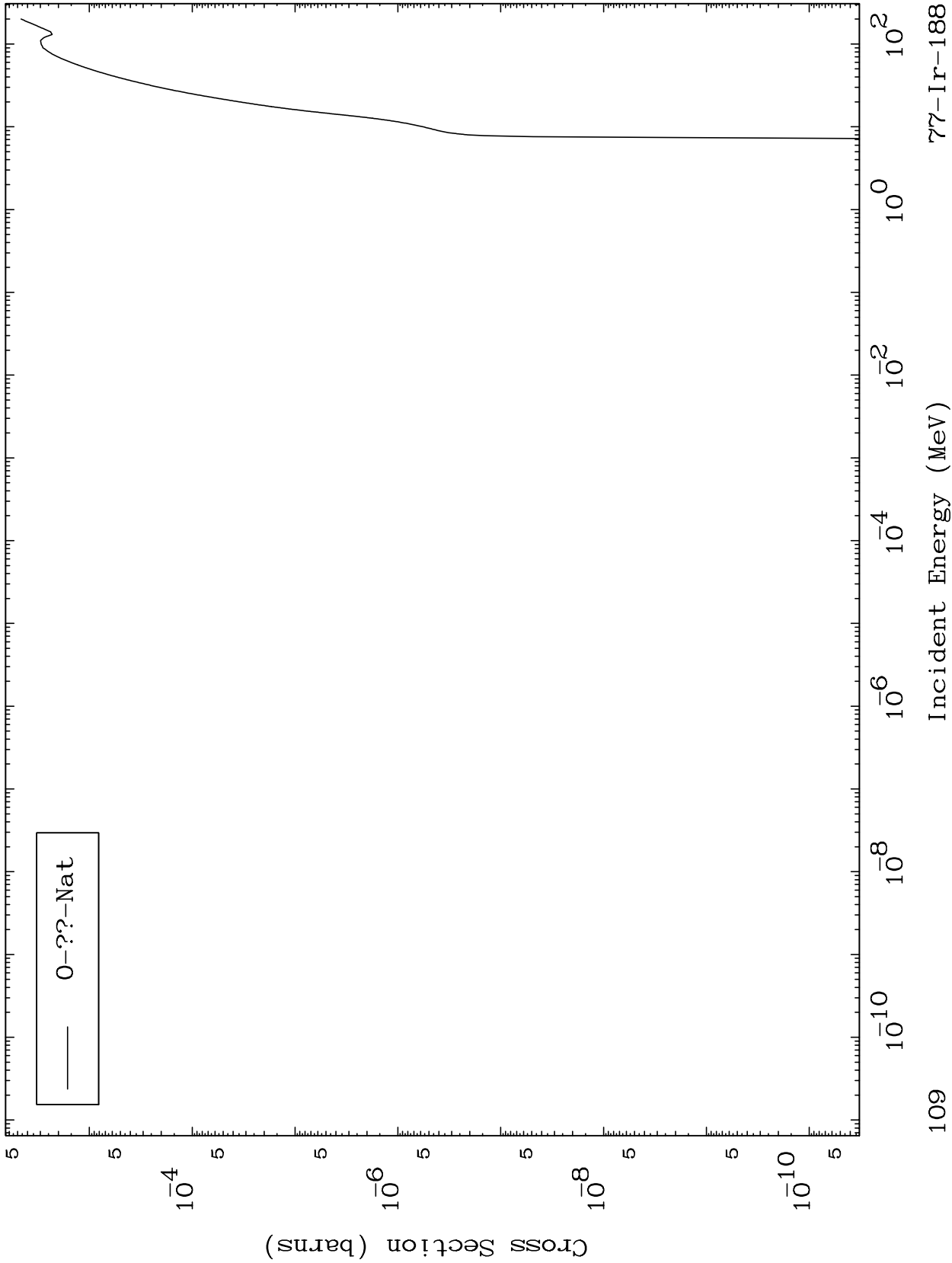
77-Ir-188

MAT 7716

Fission

⁷⁷Ir-188

Radionuclide Production Cross Section



109

Incident Energy (MeV)

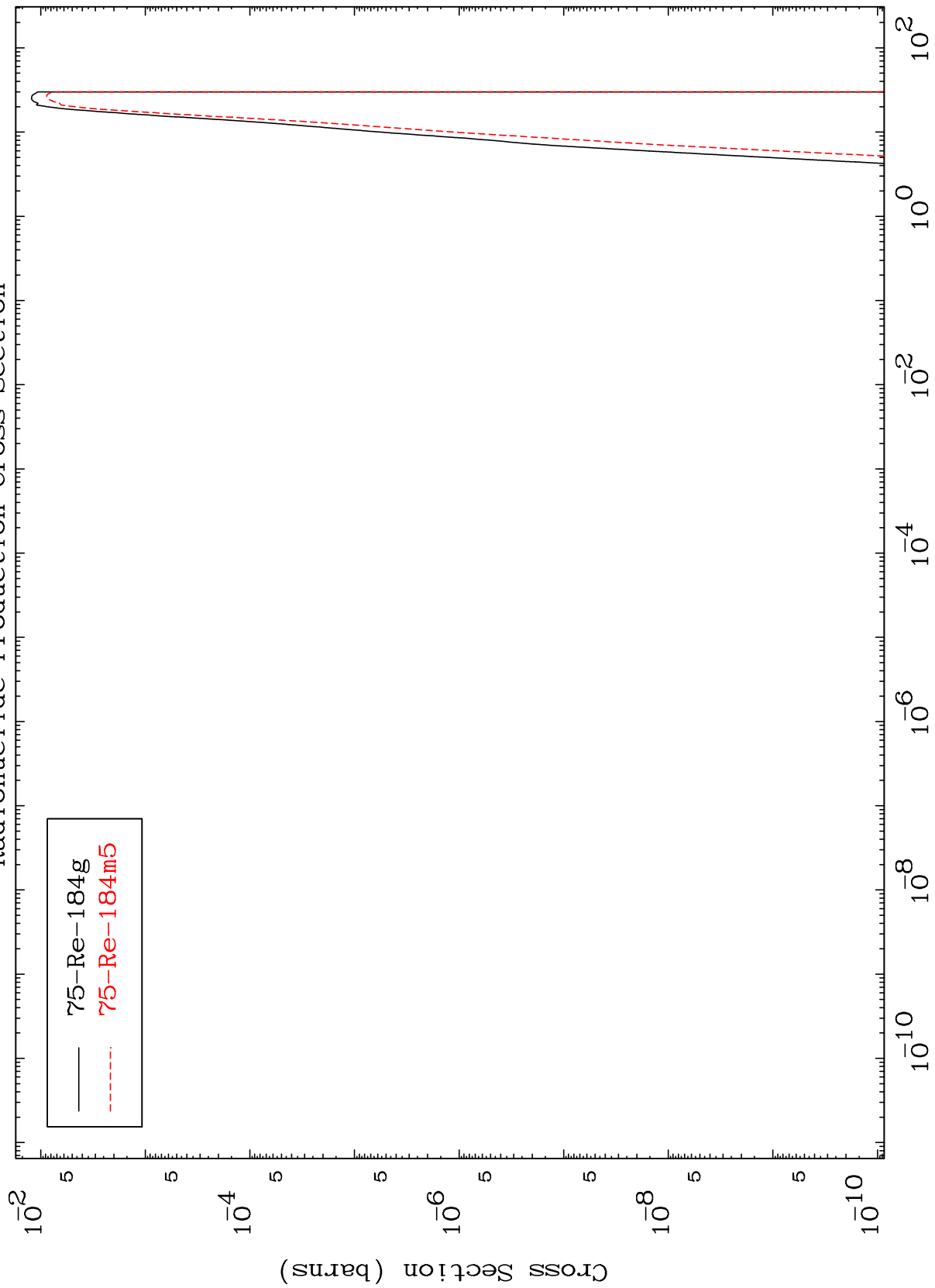
⁷⁷Ir-188

MAT 7716

$(n, n') \alpha$

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

Radionuclide Production Cross Section



110

Incident Energy (MeV)

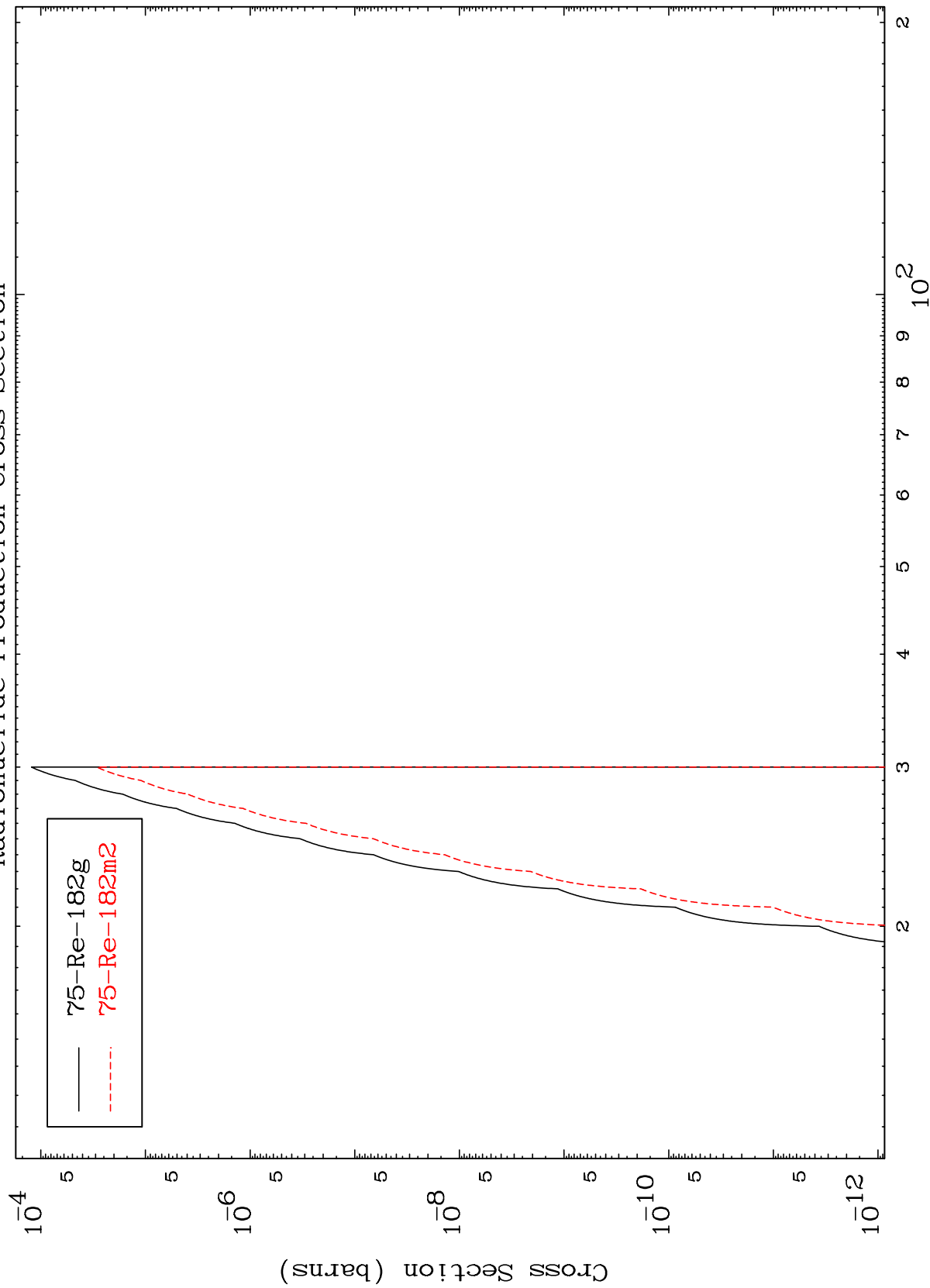
$^{77}\text{Ir-188}$

MAT 7716

(n,3n) α

⁷⁷Ir-188

Radionuclide Production Cross Section



111

Incident Energy (MeV)

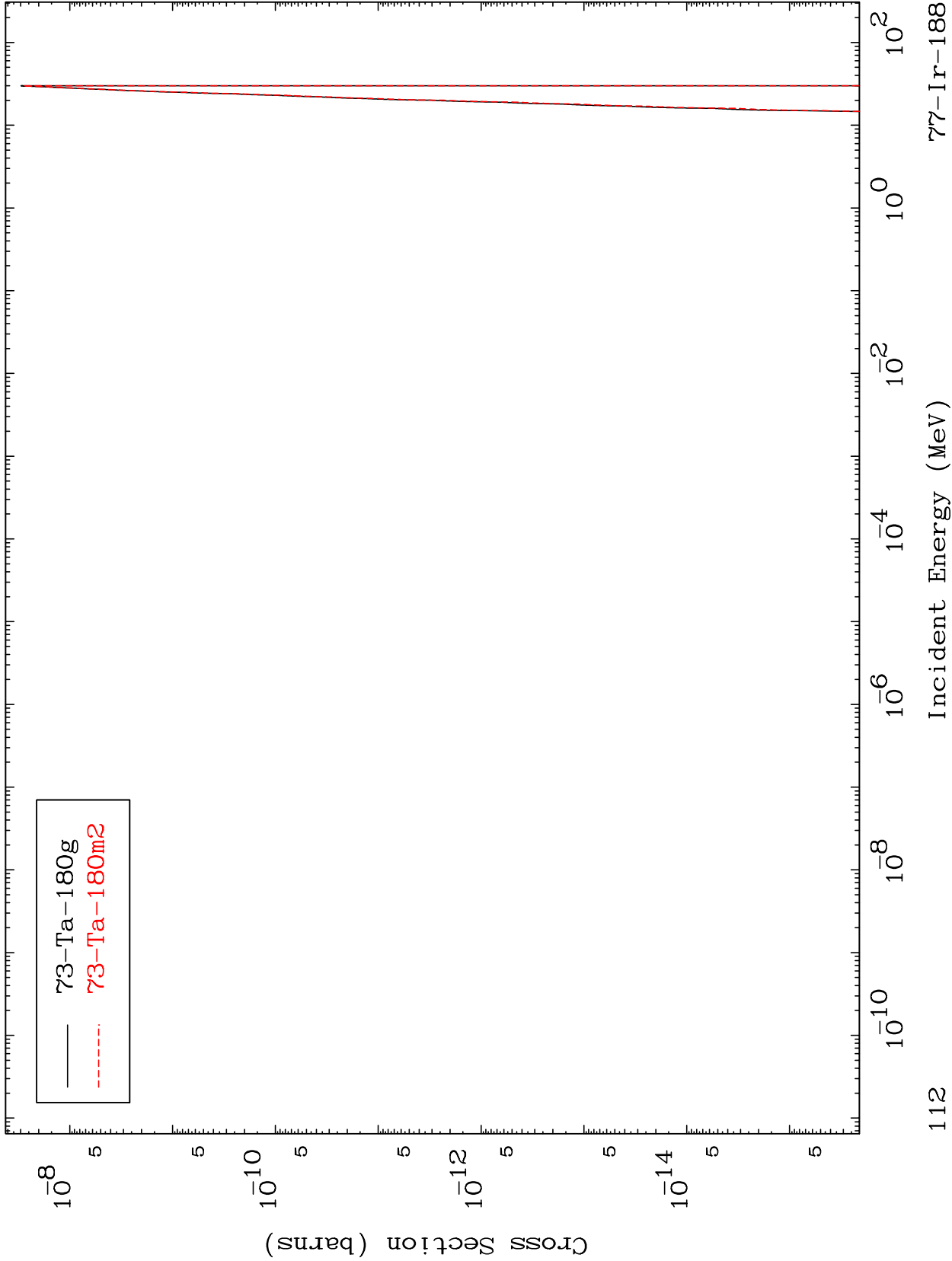
⁷⁷Ir-188

MAT 7716

(n,n') 2α

77-Ir-188

Radionuclide Production Cross Section

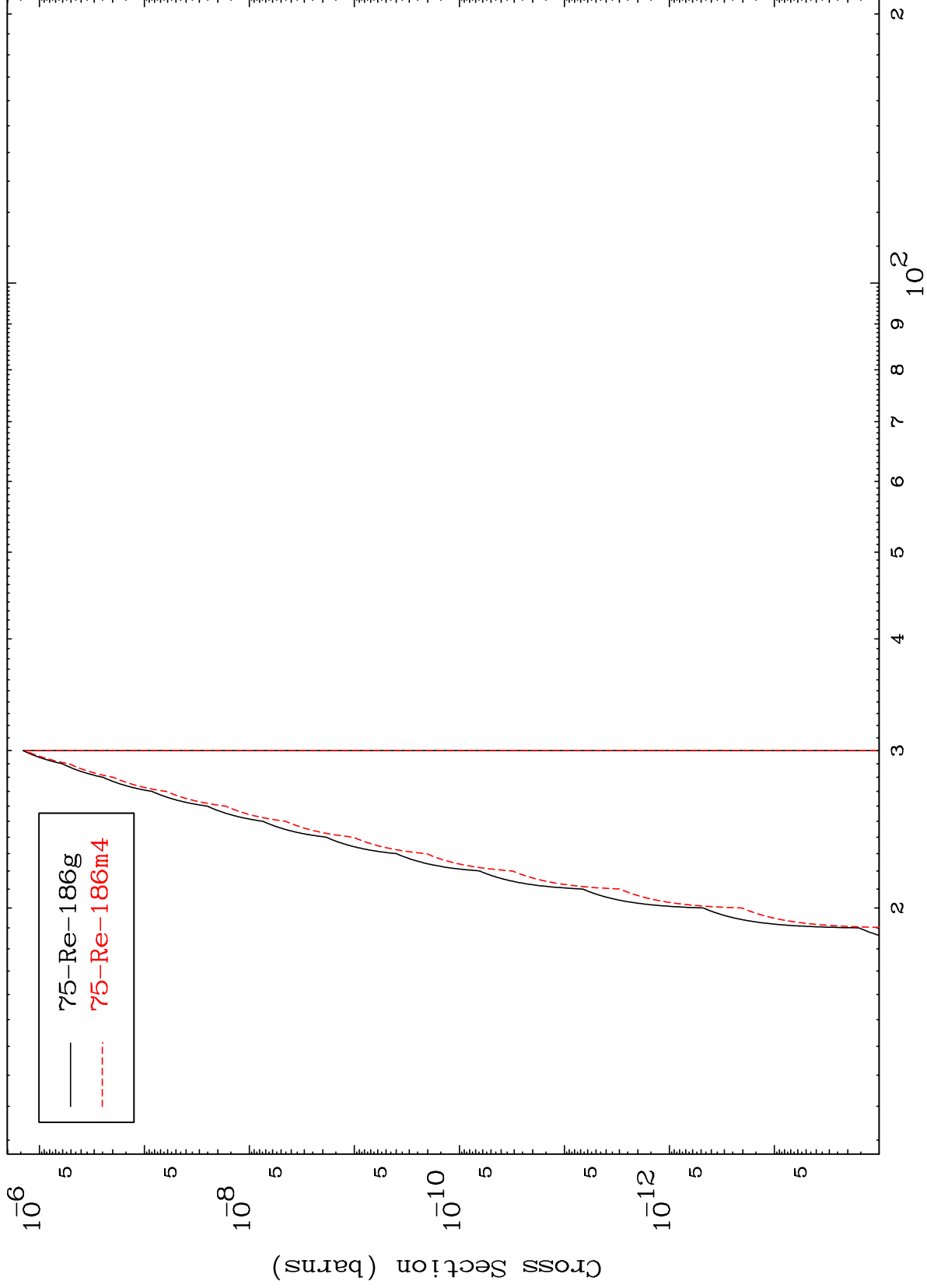


112

Incident Energy (MeV)

77-Ir-188

Radionuclide Production Cross Section

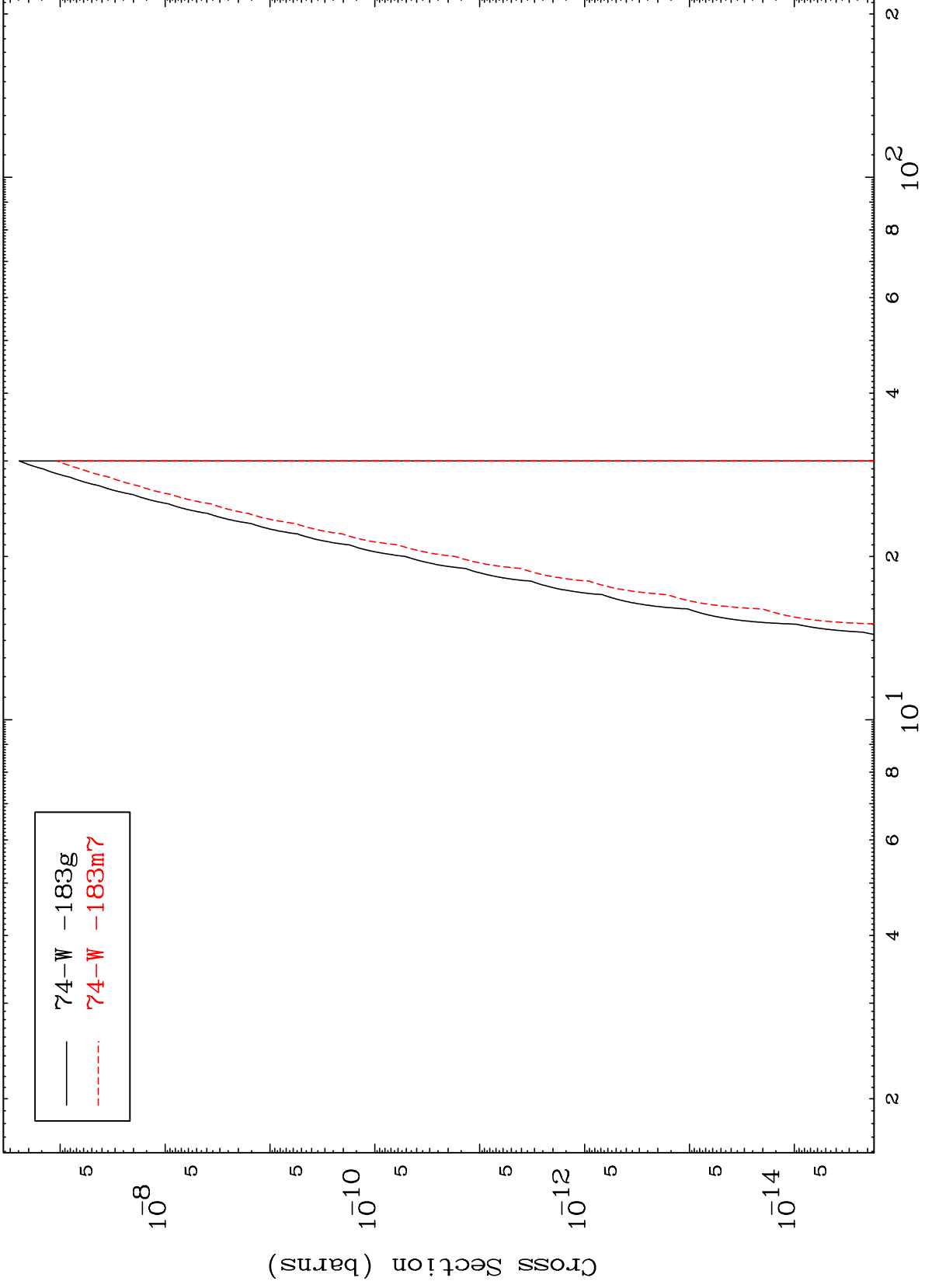


MAT 7716

(n,n') p α

⁷⁷Ir-188

Radionuclide Production Cross Section



114

Incident Energy (MeV)

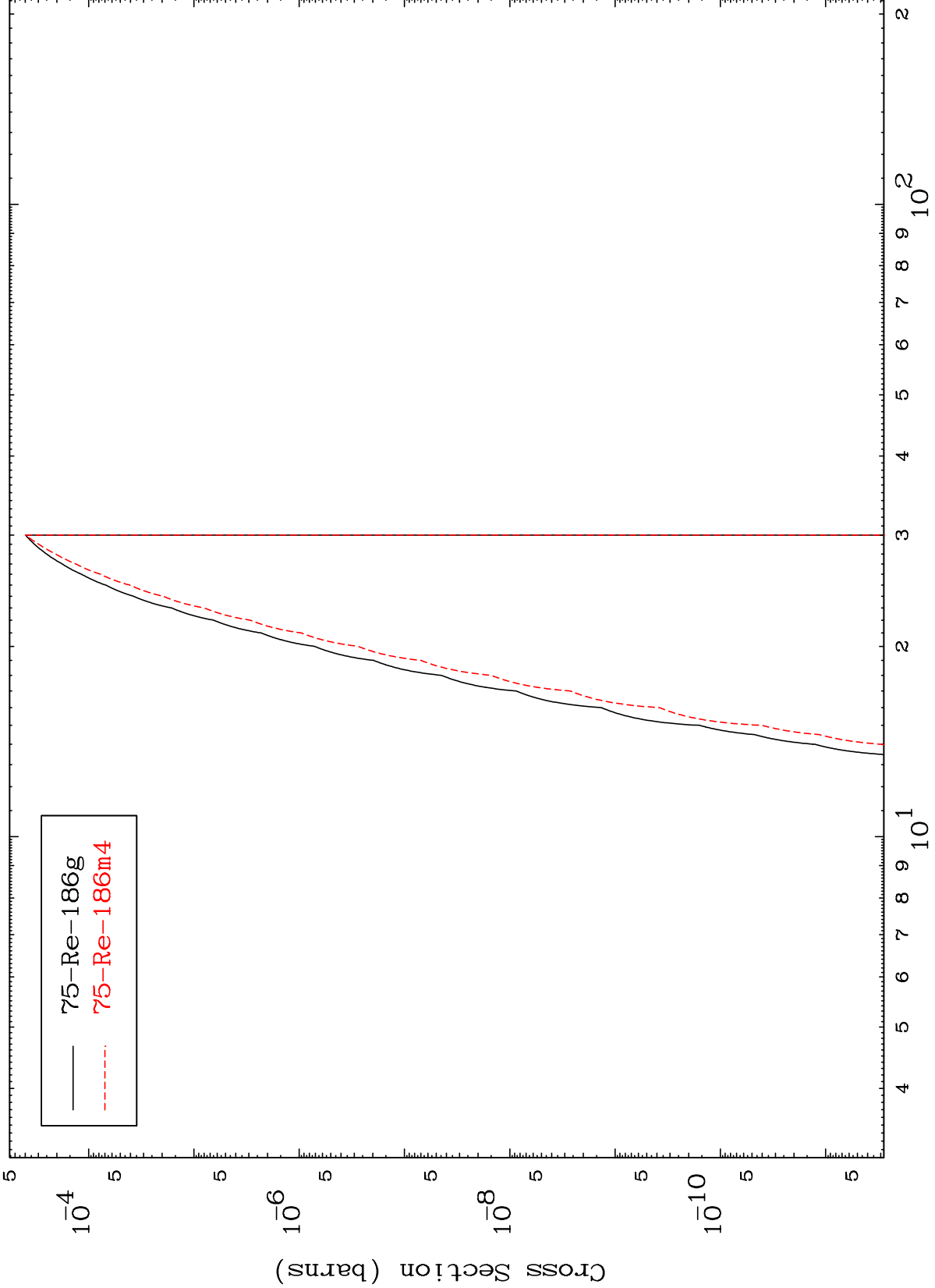
⁷⁷Ir-188

MAT 7716

(n,He-3)

77-Ir-188

Radionuclide Production Cross Section



115

Incident Energy (MeV)

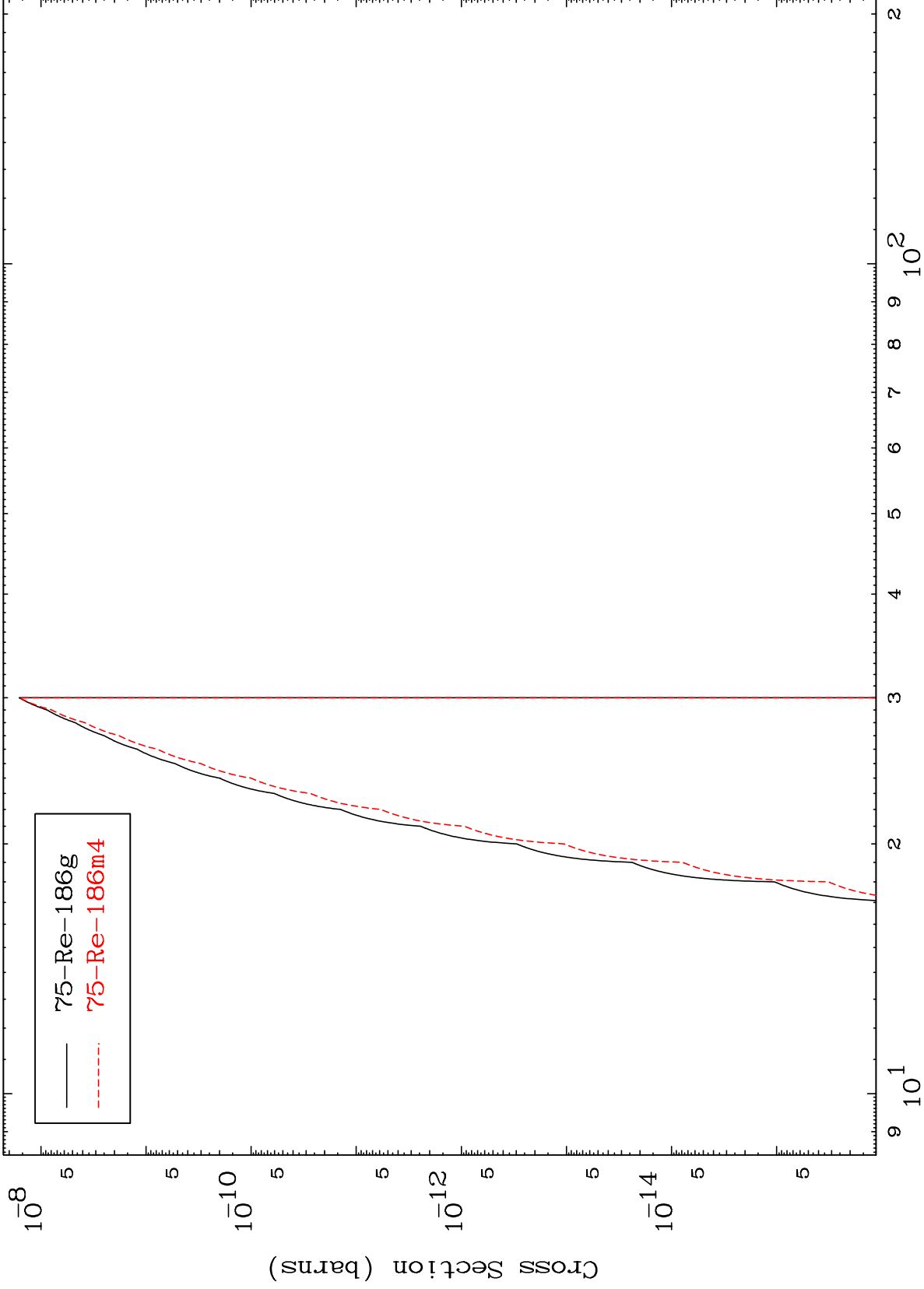
77-Ir-188

MAT 7716

(n,p) d

⁷⁷Ir-188

Radionuclide Production Cross Section



116

Incident Energy (MeV)

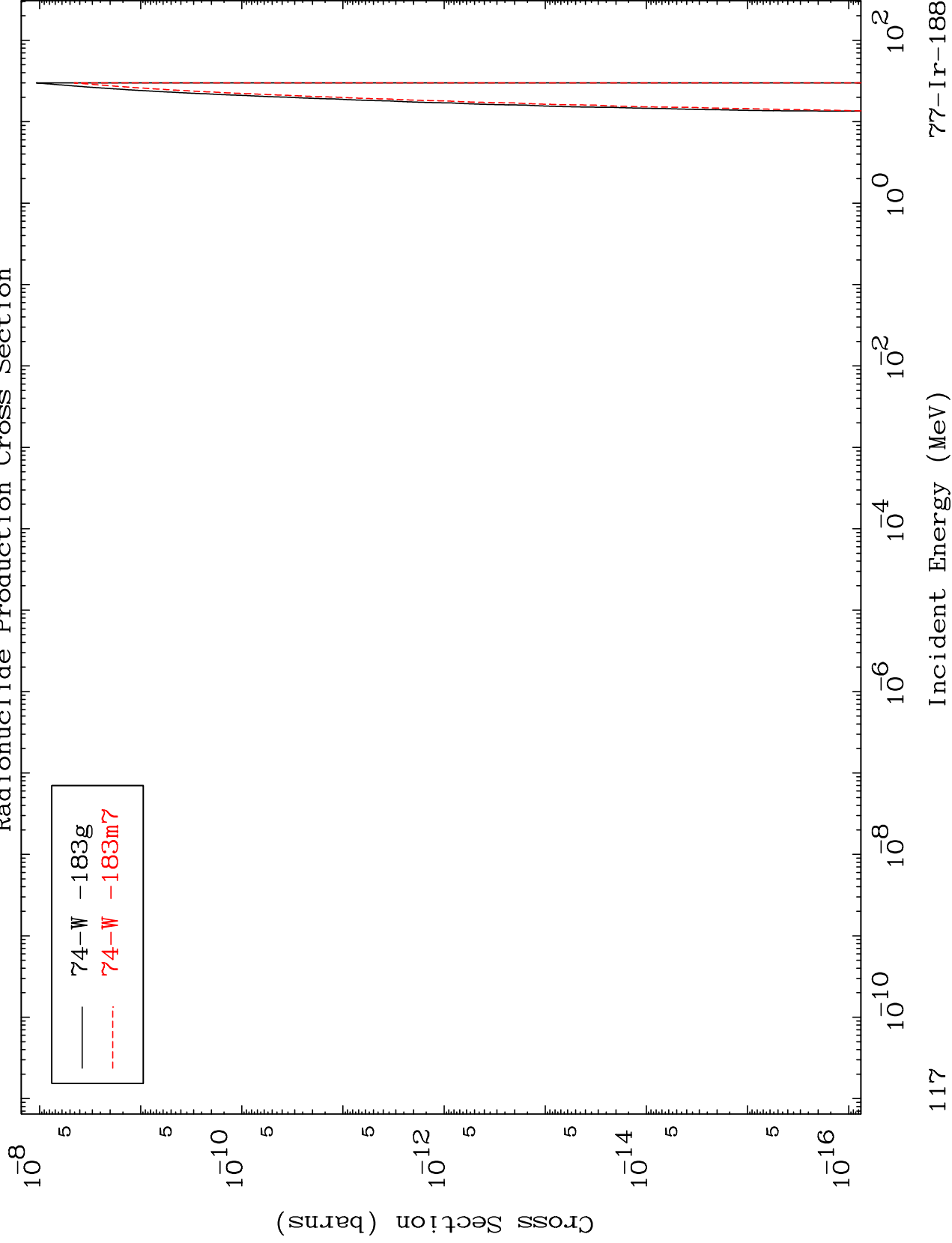
⁷⁷Ir-188

MAT 7716

(n,d) α

⁷⁷Ir-188

Radionuclide Production Cross Section



117