

Program EVALPLOT
(Version 2021-1)

by

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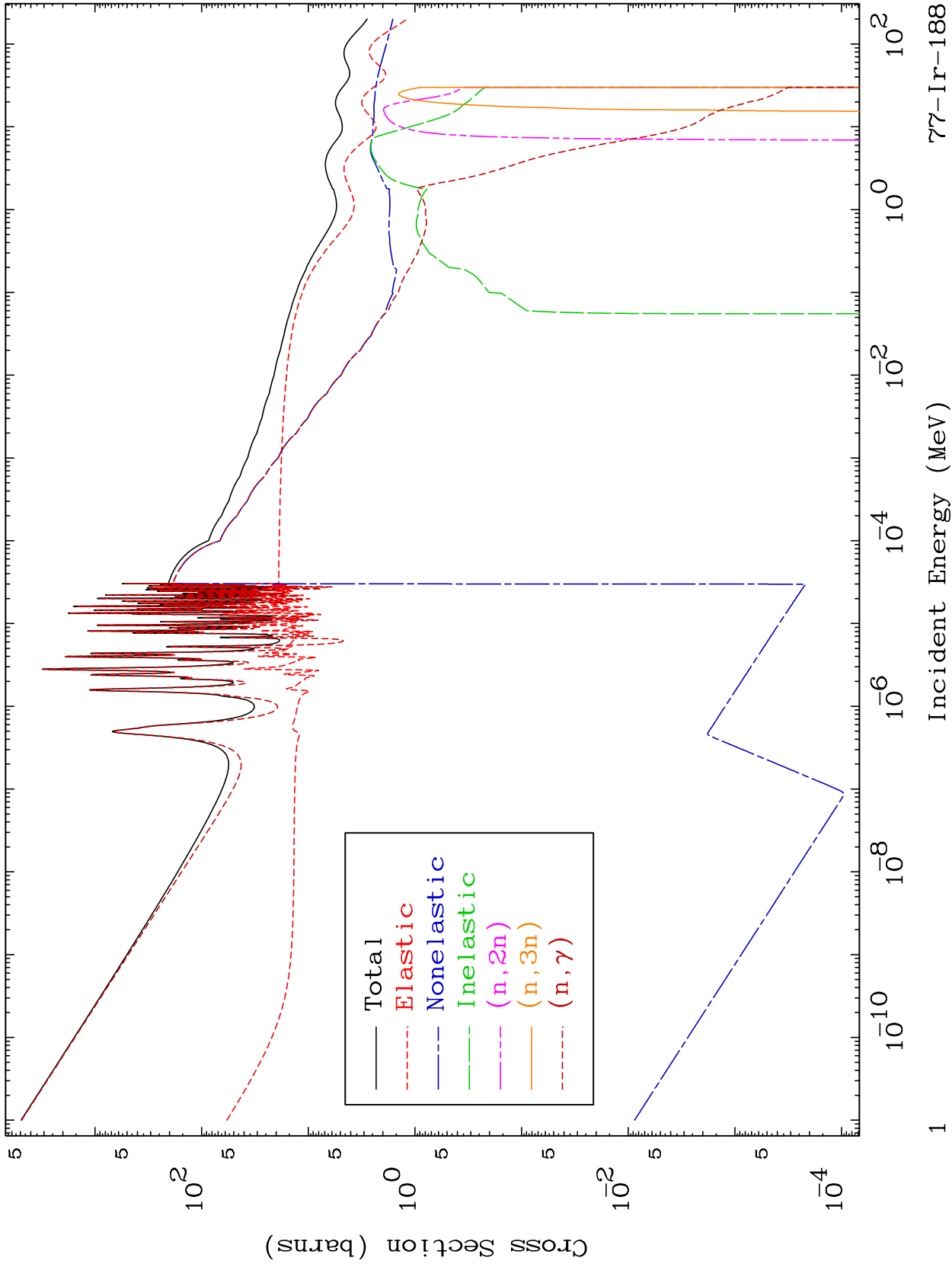
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7716

Neutron Major
293 Kelvin Cross Sections

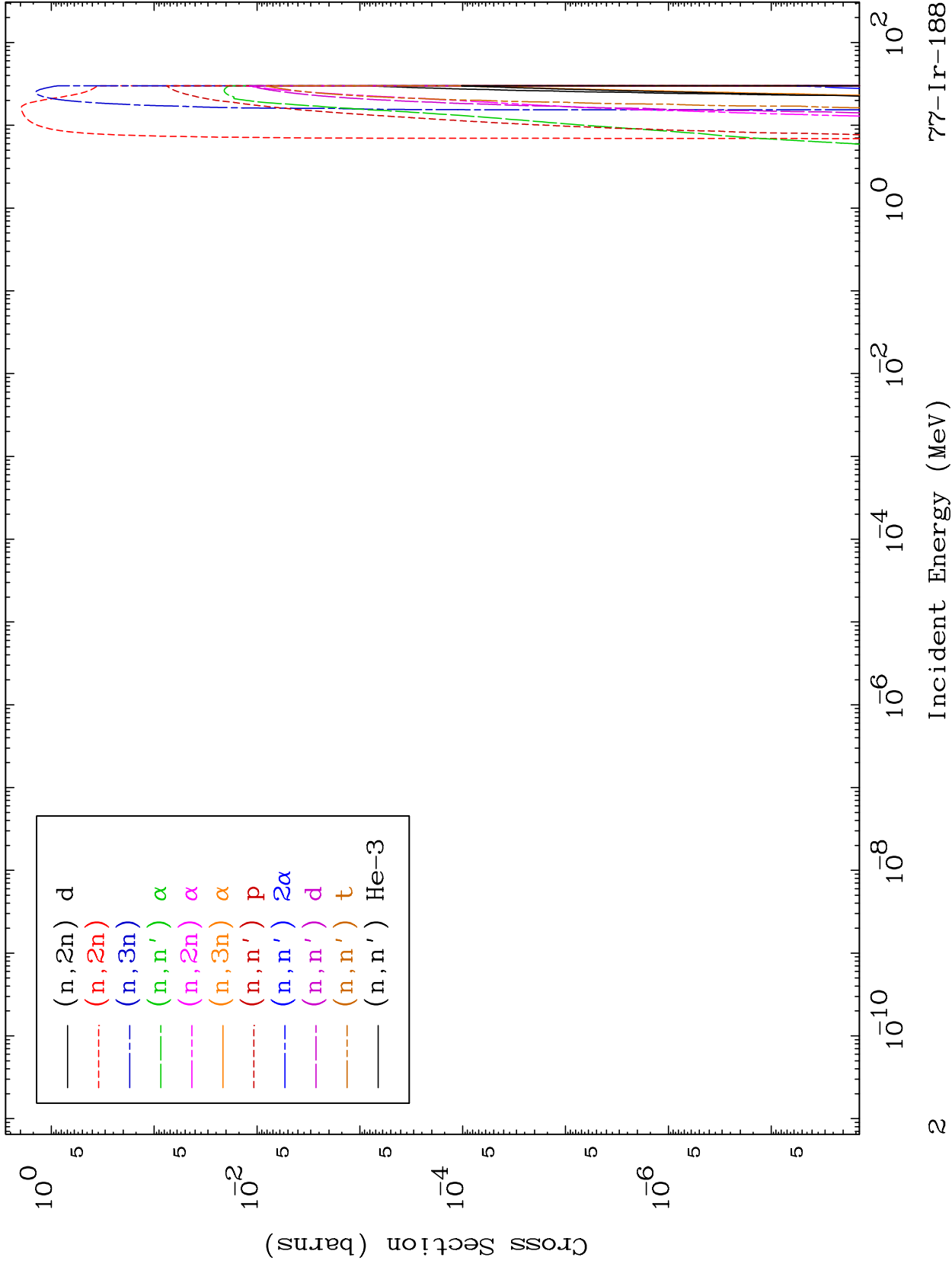
77-Ir-188



MAT 7716

Neutron Absorption
293 Kelvin Cross Sections

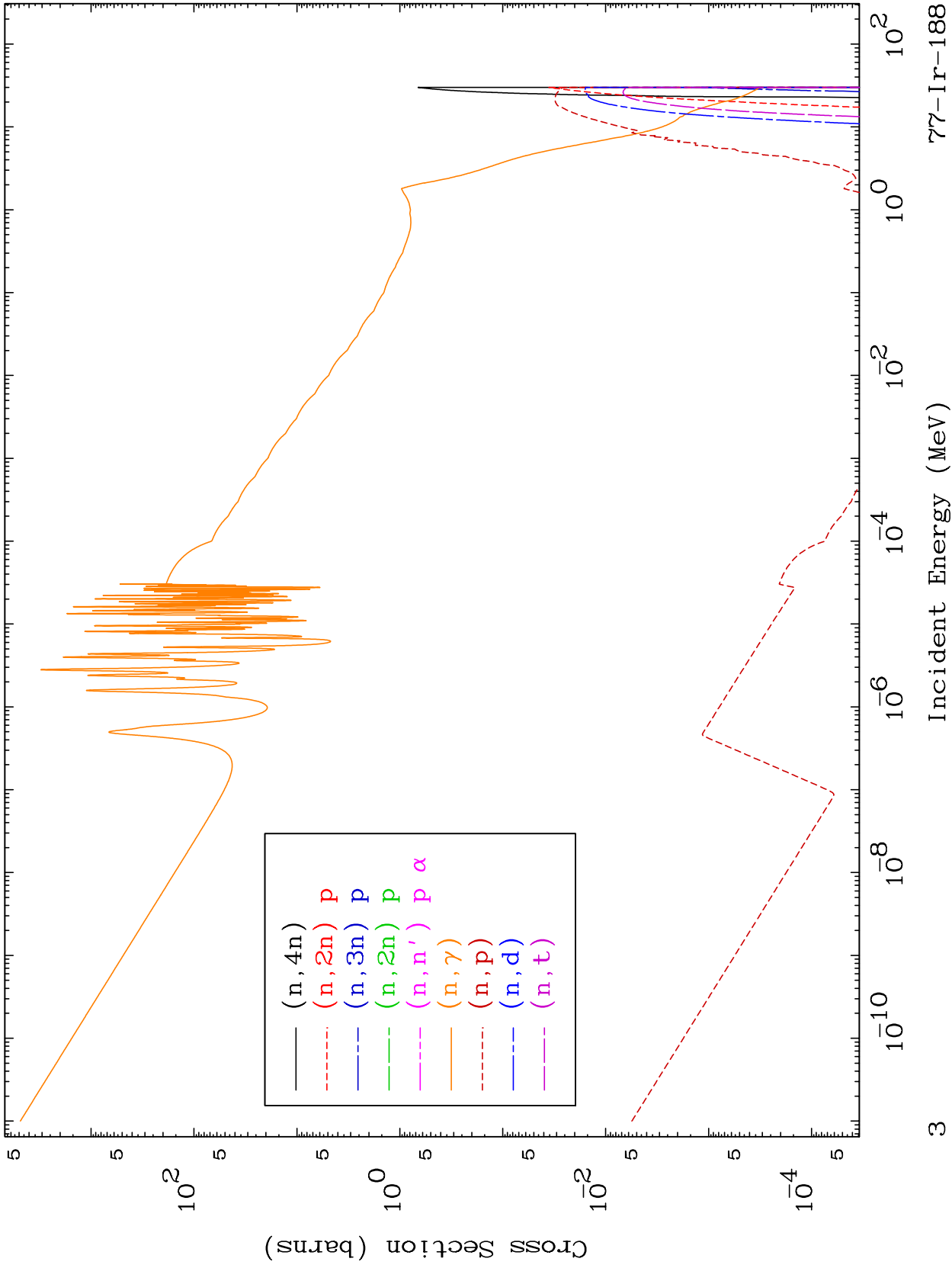
77-Ir-188



MAT 7716

Neutron Absorption
293 Kelvin Cross Sections

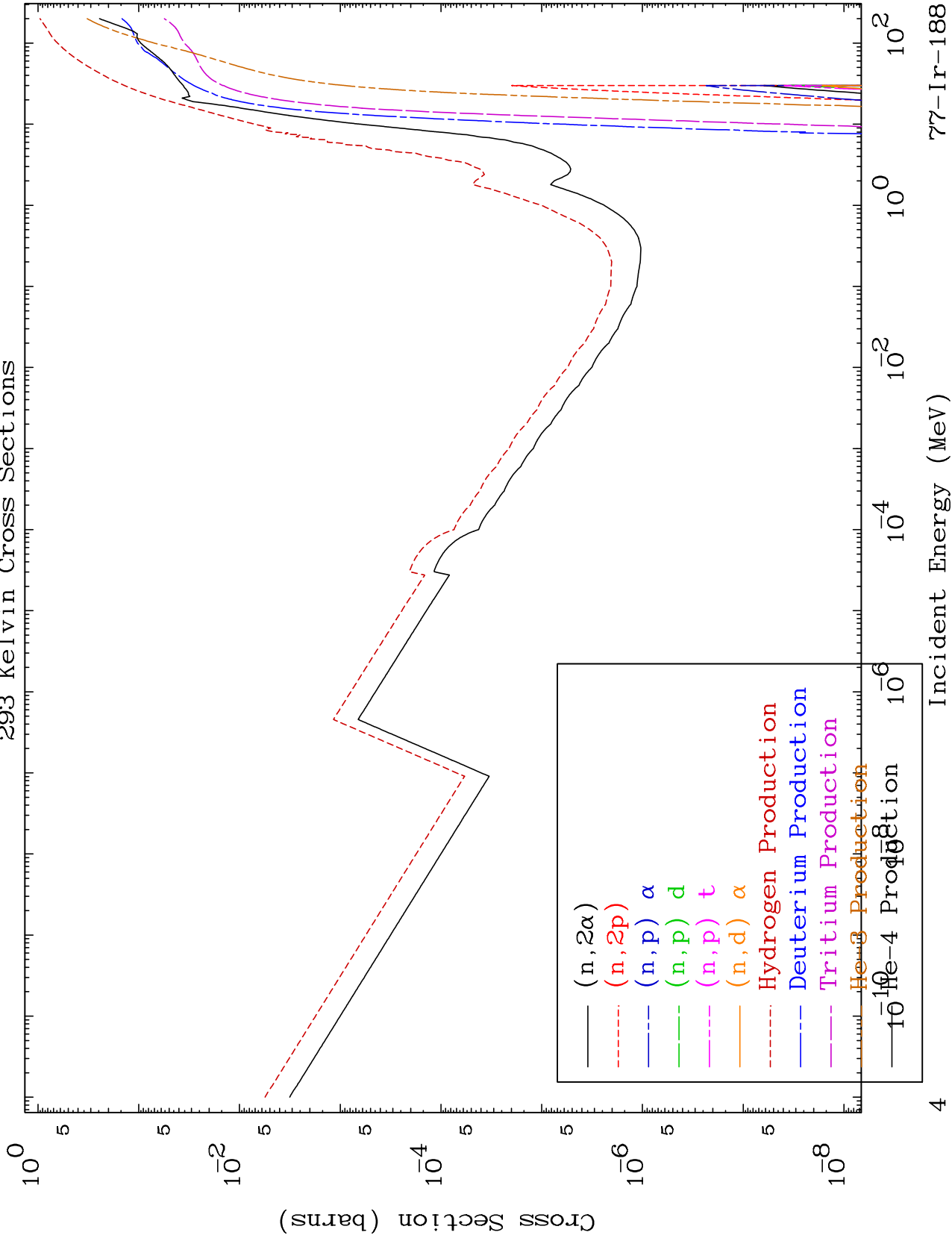
⁷⁷Ir-188



MAT 7716

Neutron Absorption
293 Kelvin Cross Sections

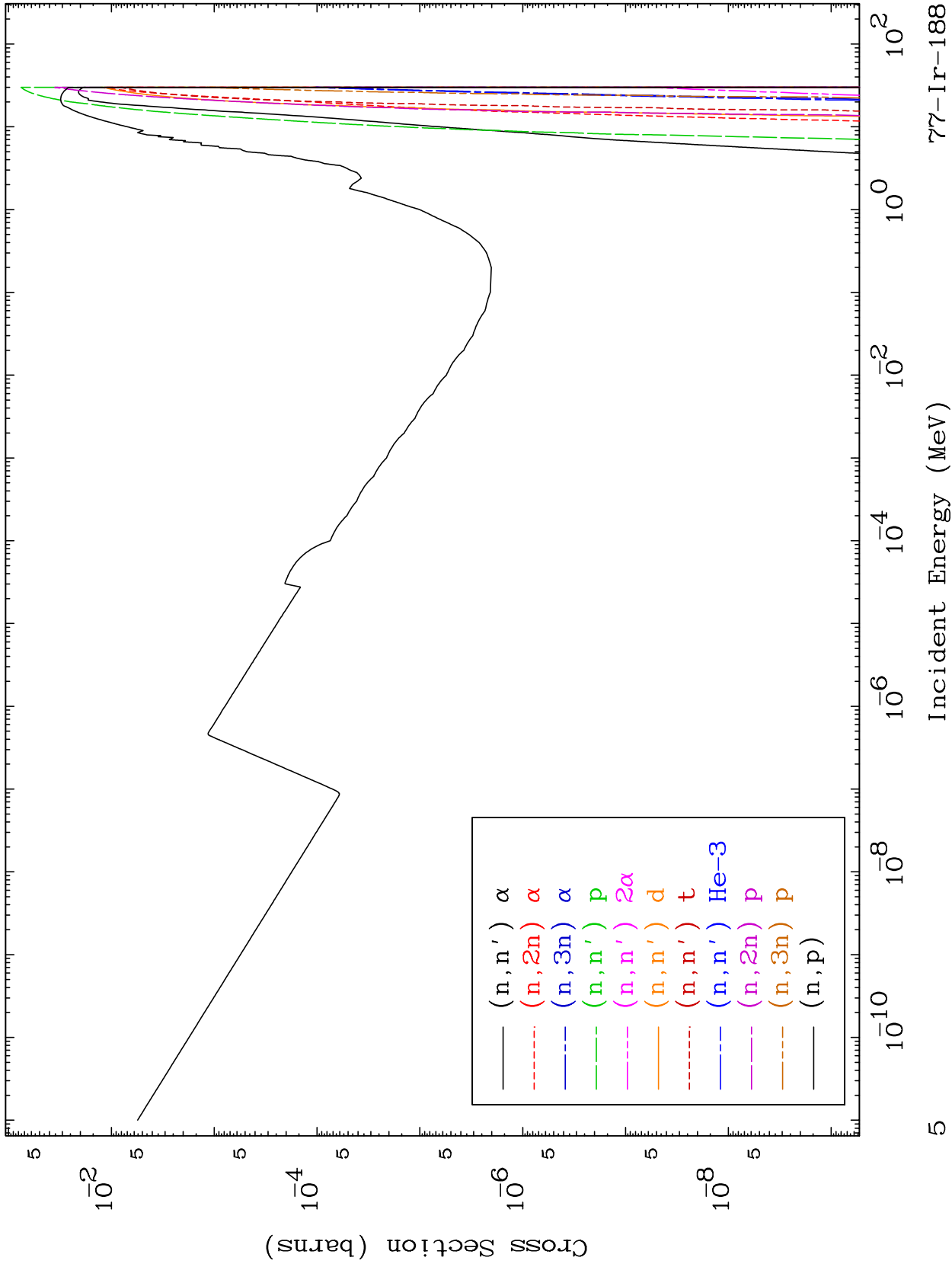
77-Ir-188



MAT 7716

Charged Particle
293 Kelvin Cross Sections

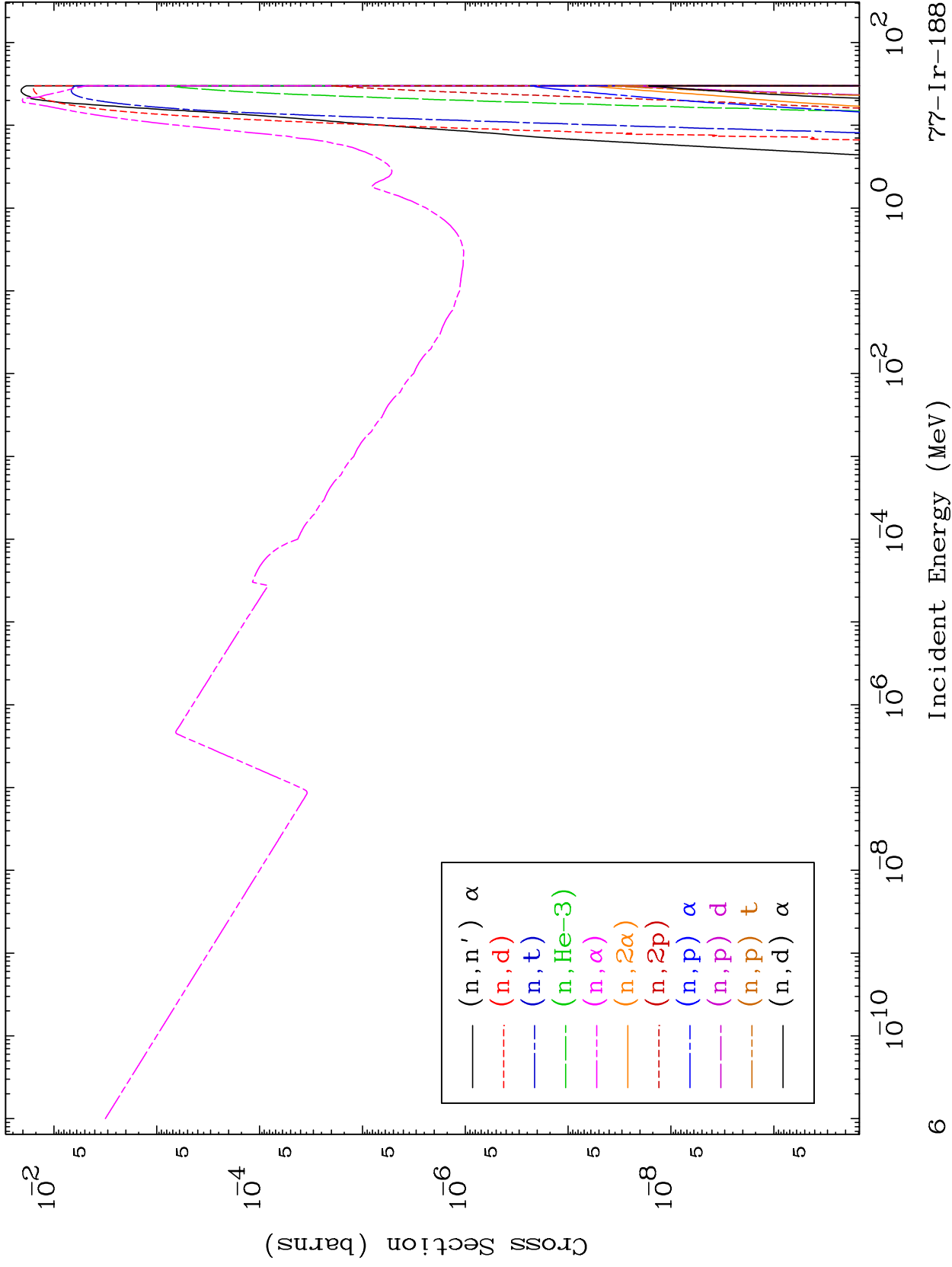
⁷⁷Ir-188



MAT 7716

Charged Particle
293 Kelvin Cross Sections

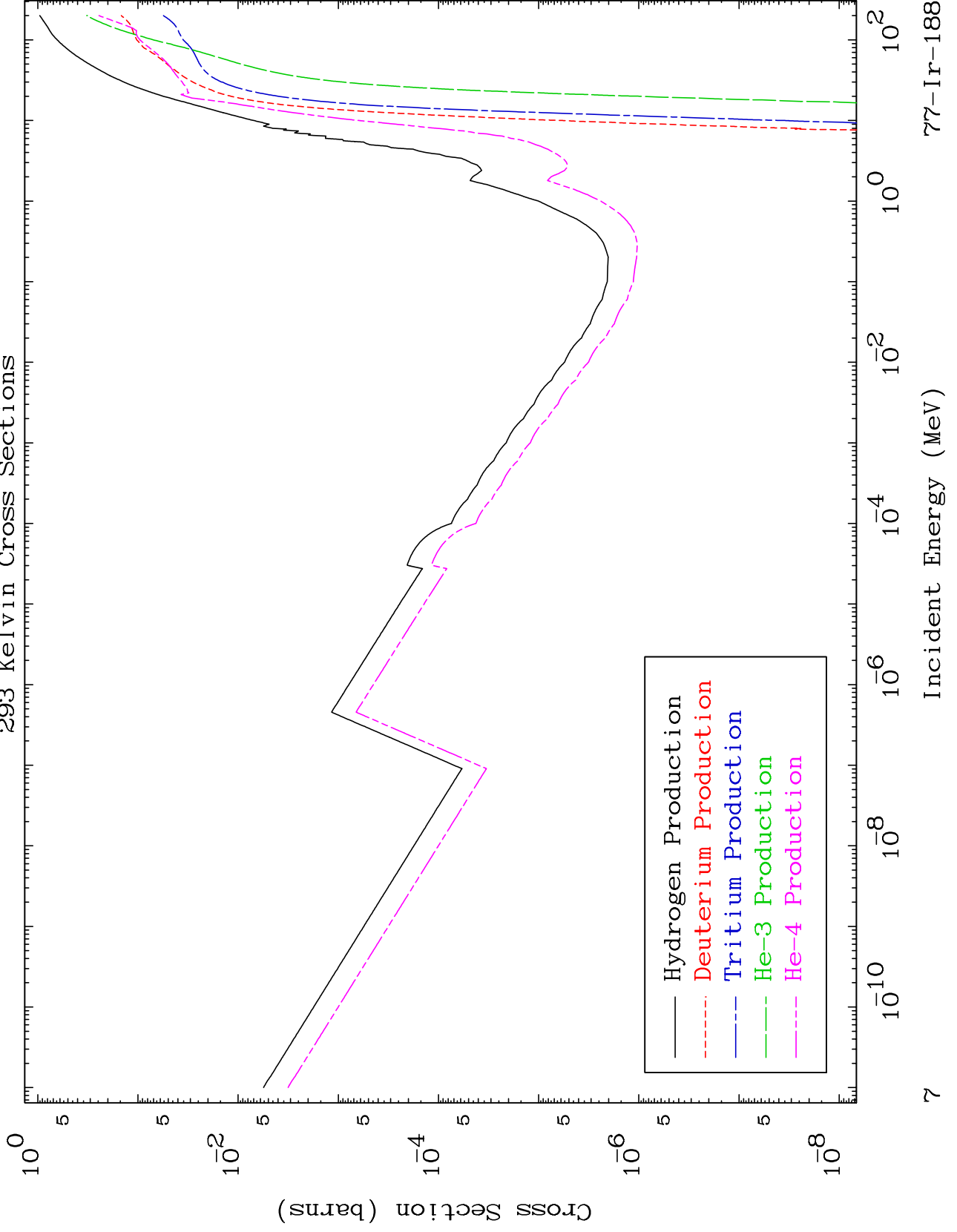
77-Ir-188

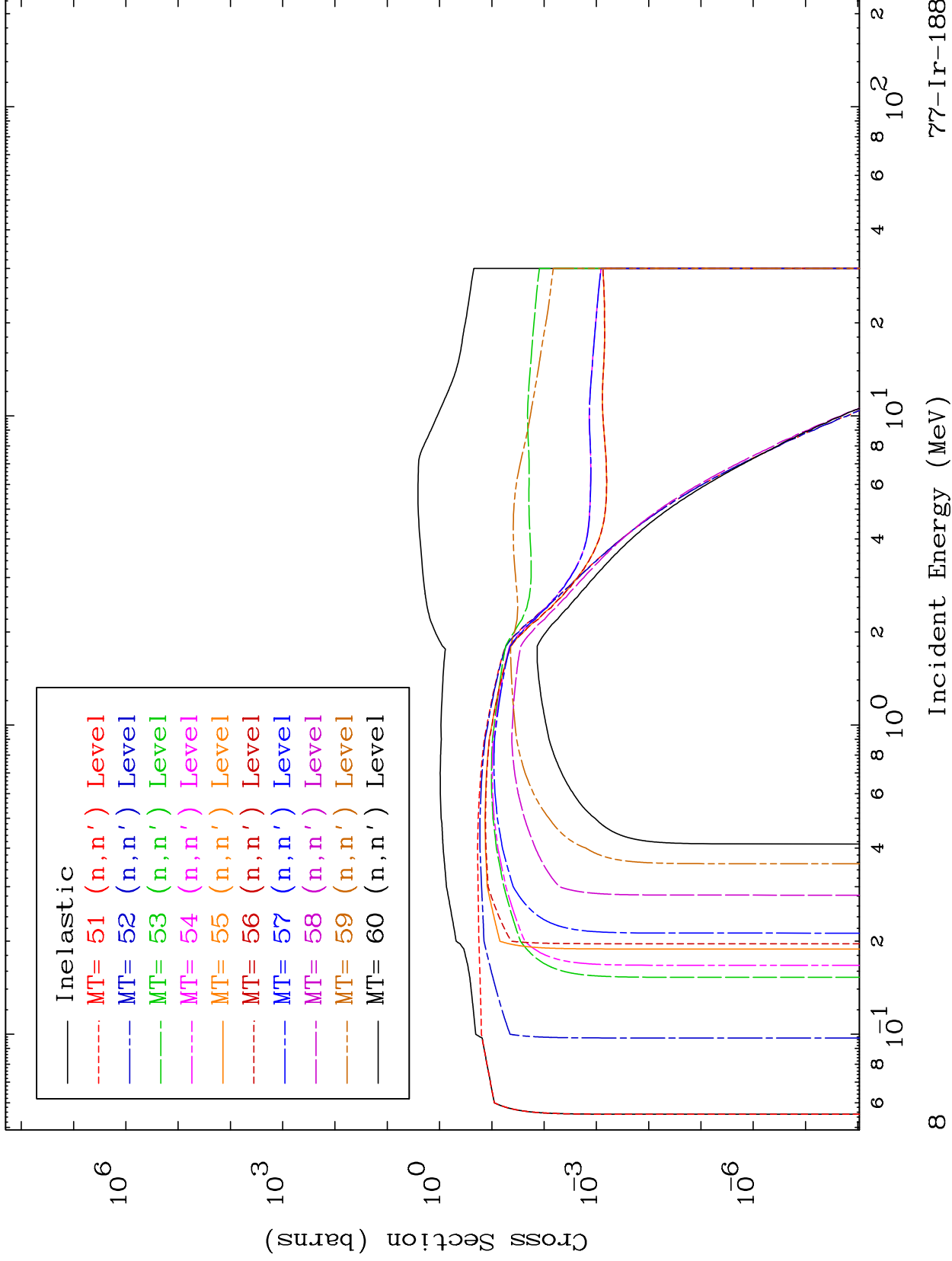


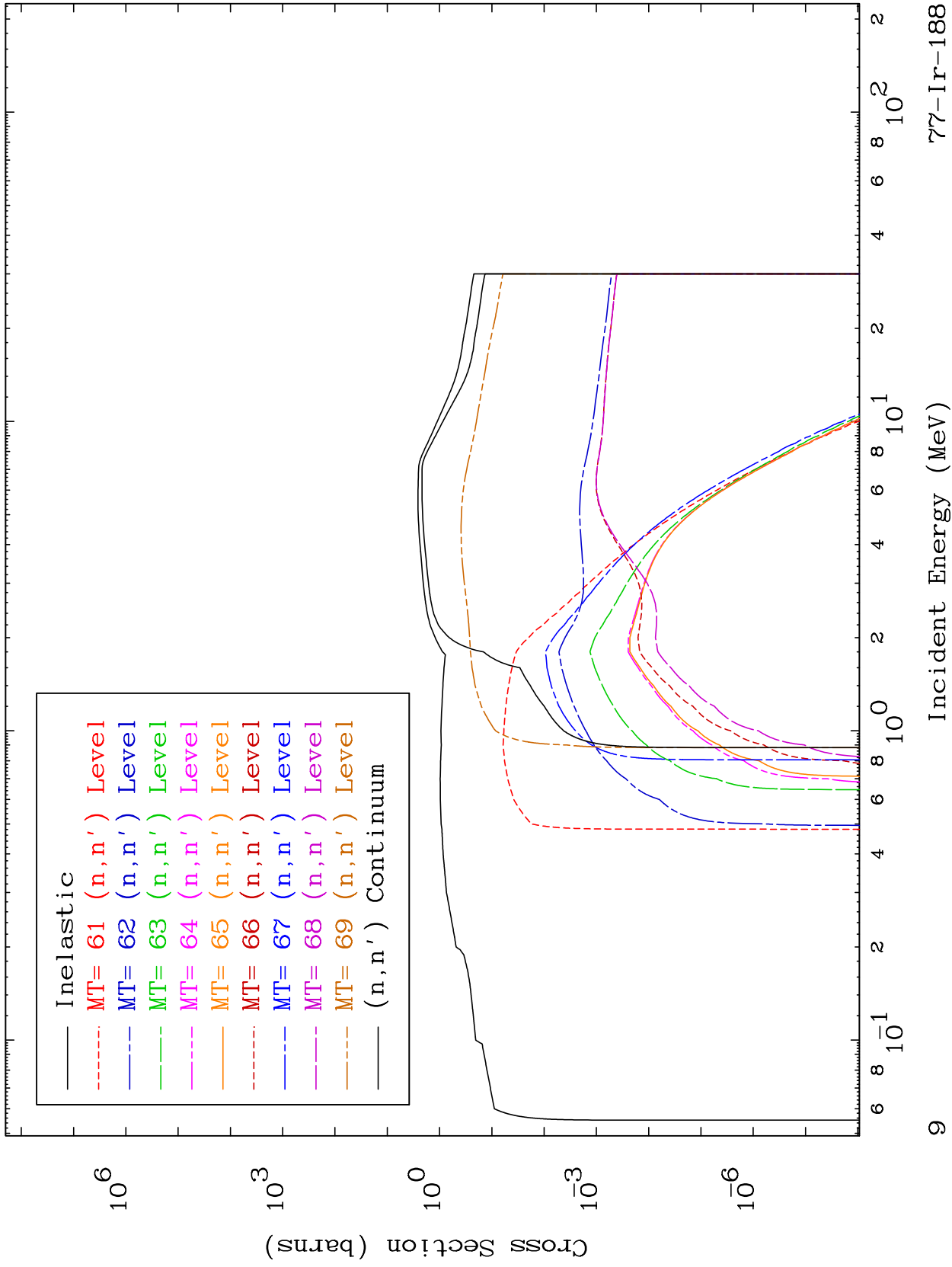
MAT 7716

Particle Production
293 Kelvin Cross Sections

77-Ir-188



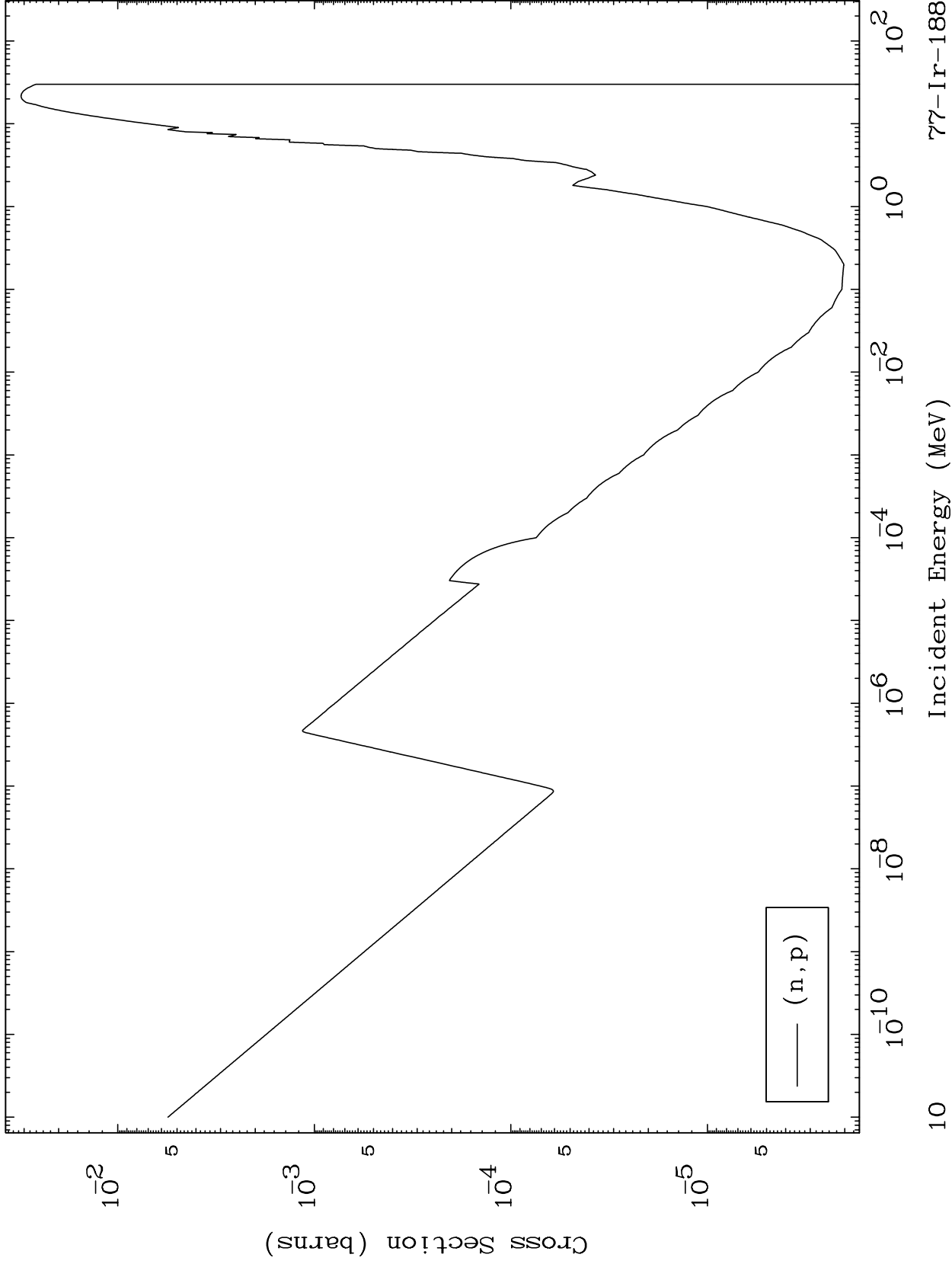




MAT 7716

(n,p) Levels
293 Kelvin Cross Sections

77-Ir-188



10

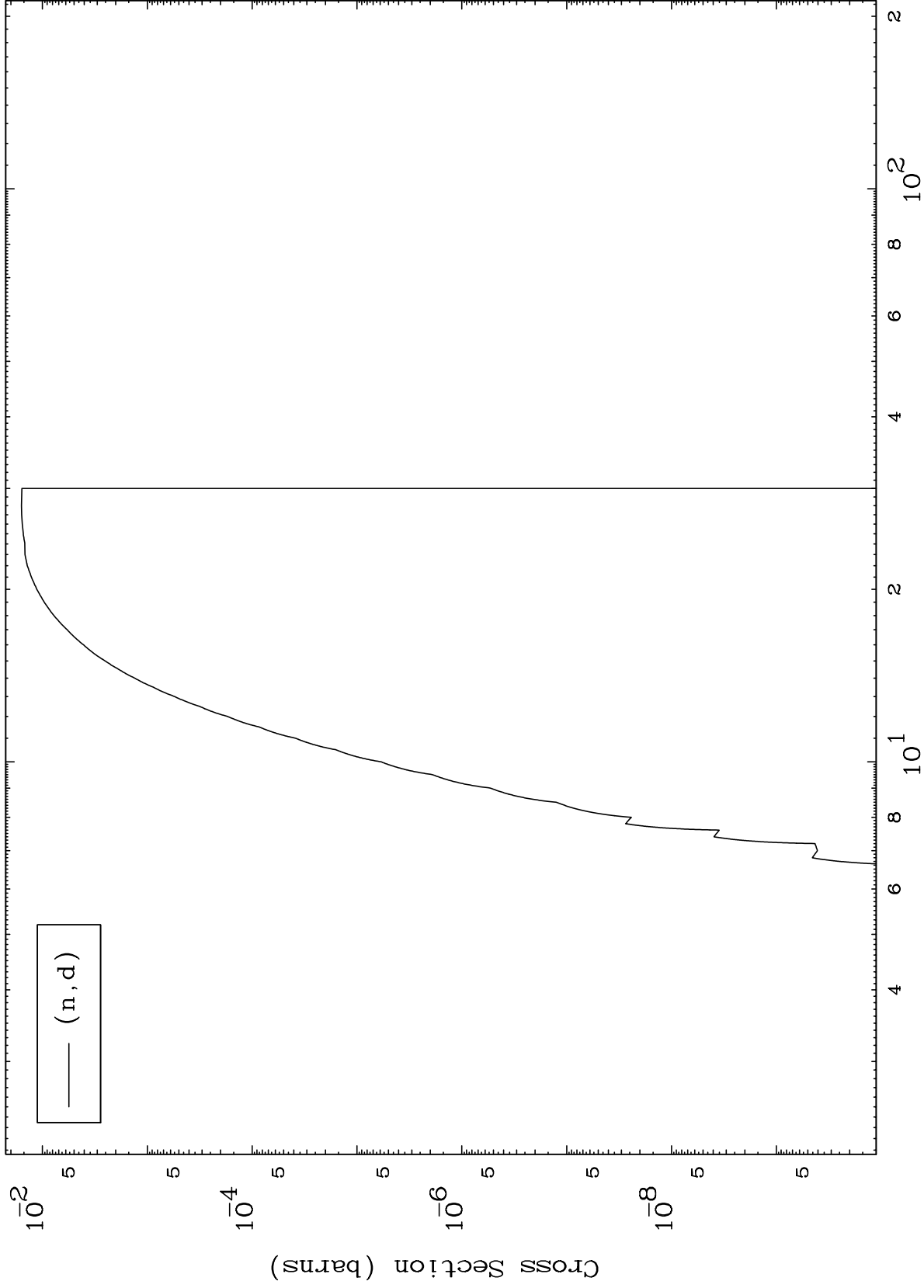
Incident Energy (MeV)

77-Ir-188

MAT 7716

77-Ir-188

(n,d) Levels
293 Kelvin Cross Sections



77-Ir-188

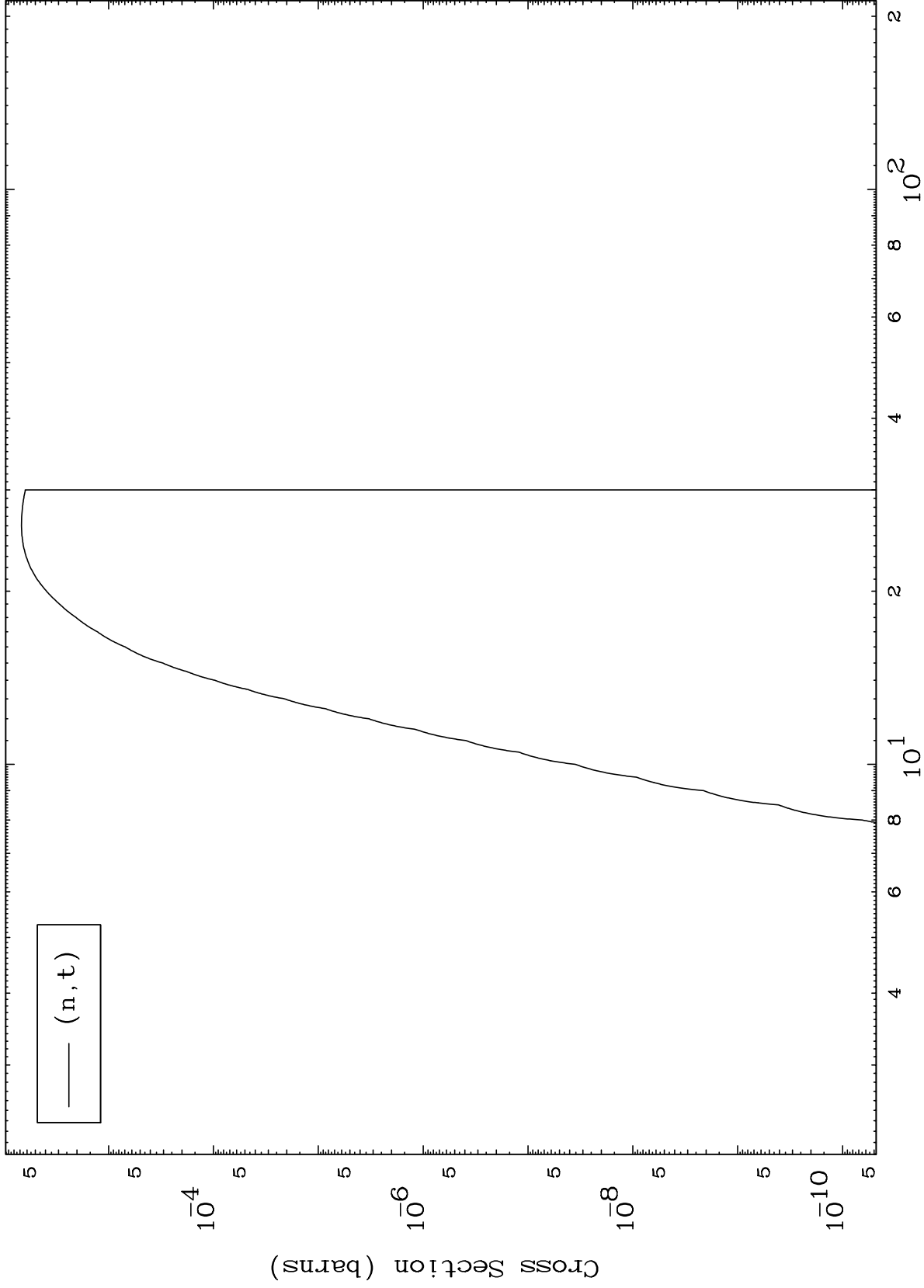
Incident Energy (MeV)

11

MAT 7716

(n,t) Levels
293 Kelvin Cross Sections

77-Ir-188



12

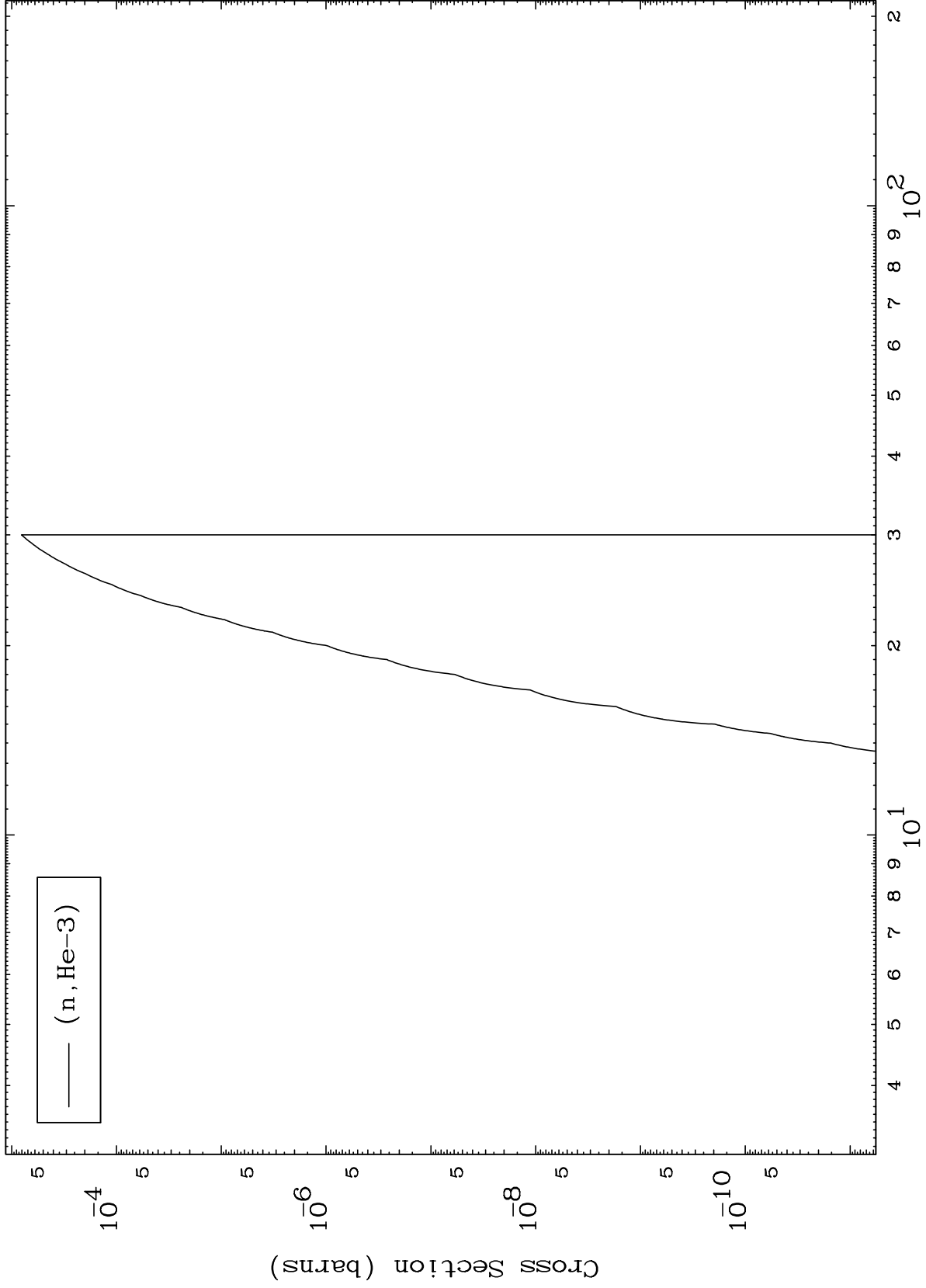
Incident Energy (MeV)

77-Ir-188

MAT 7716

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-188



13

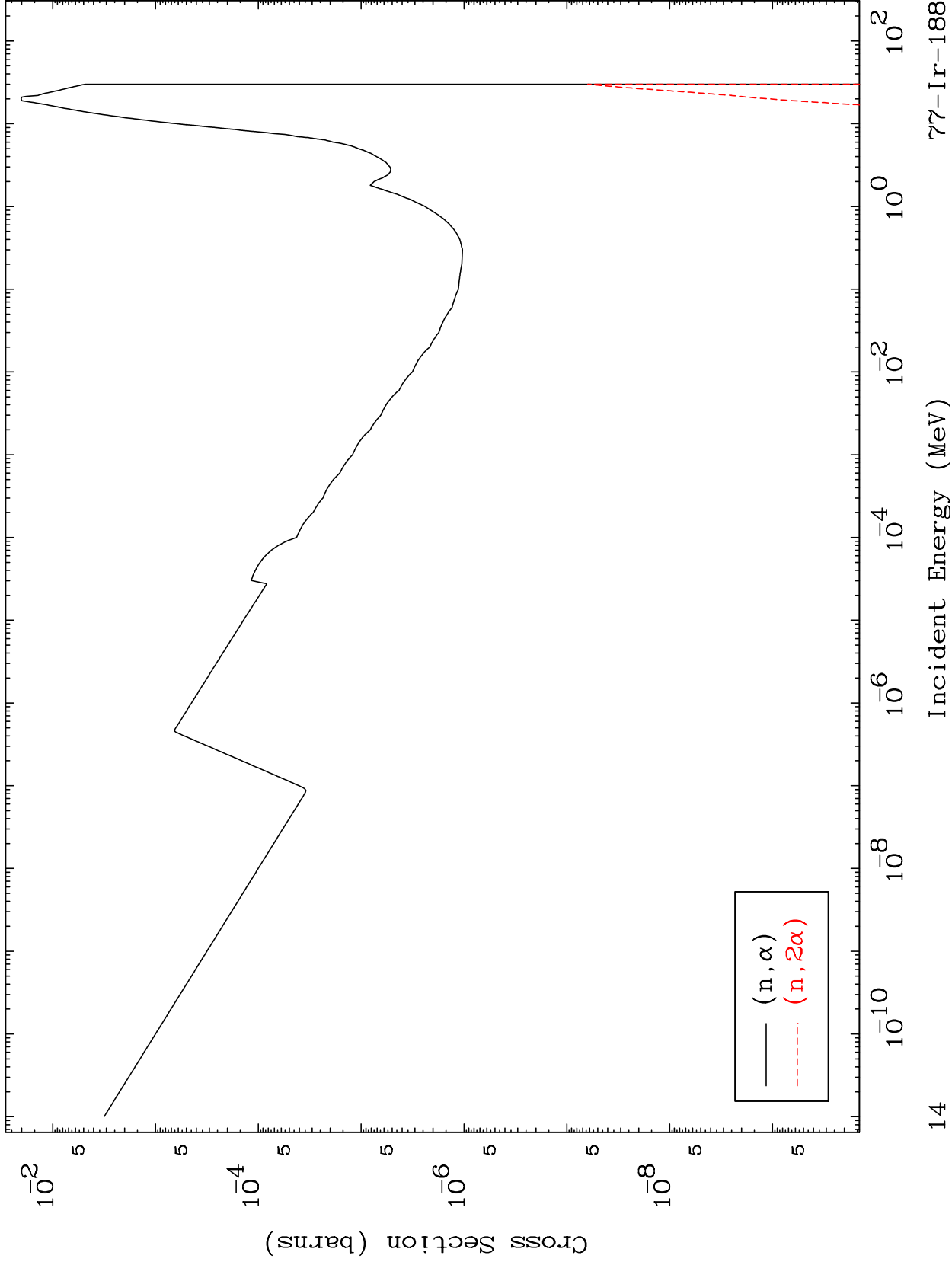
Incident Energy (MeV)

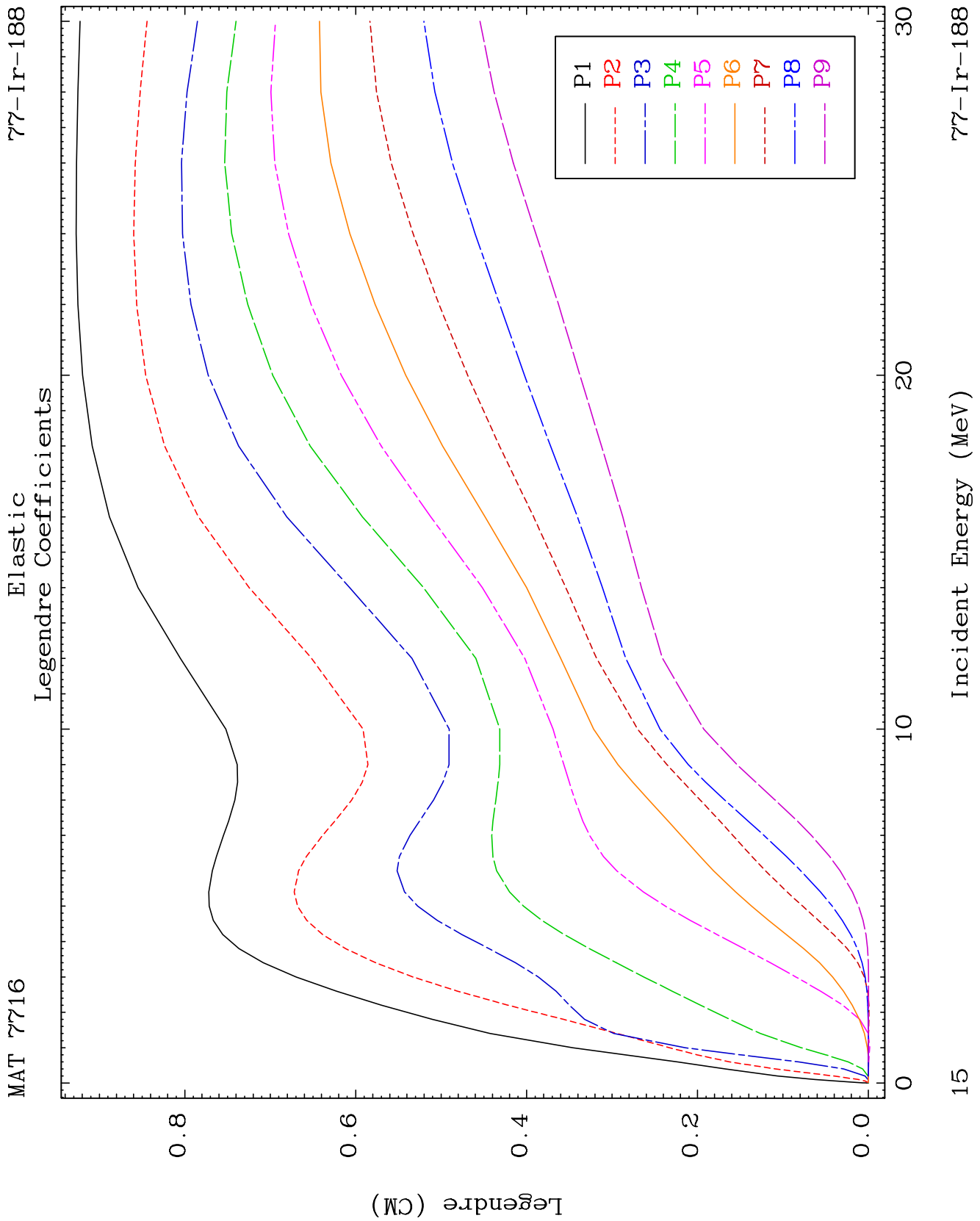
77-Ir-188

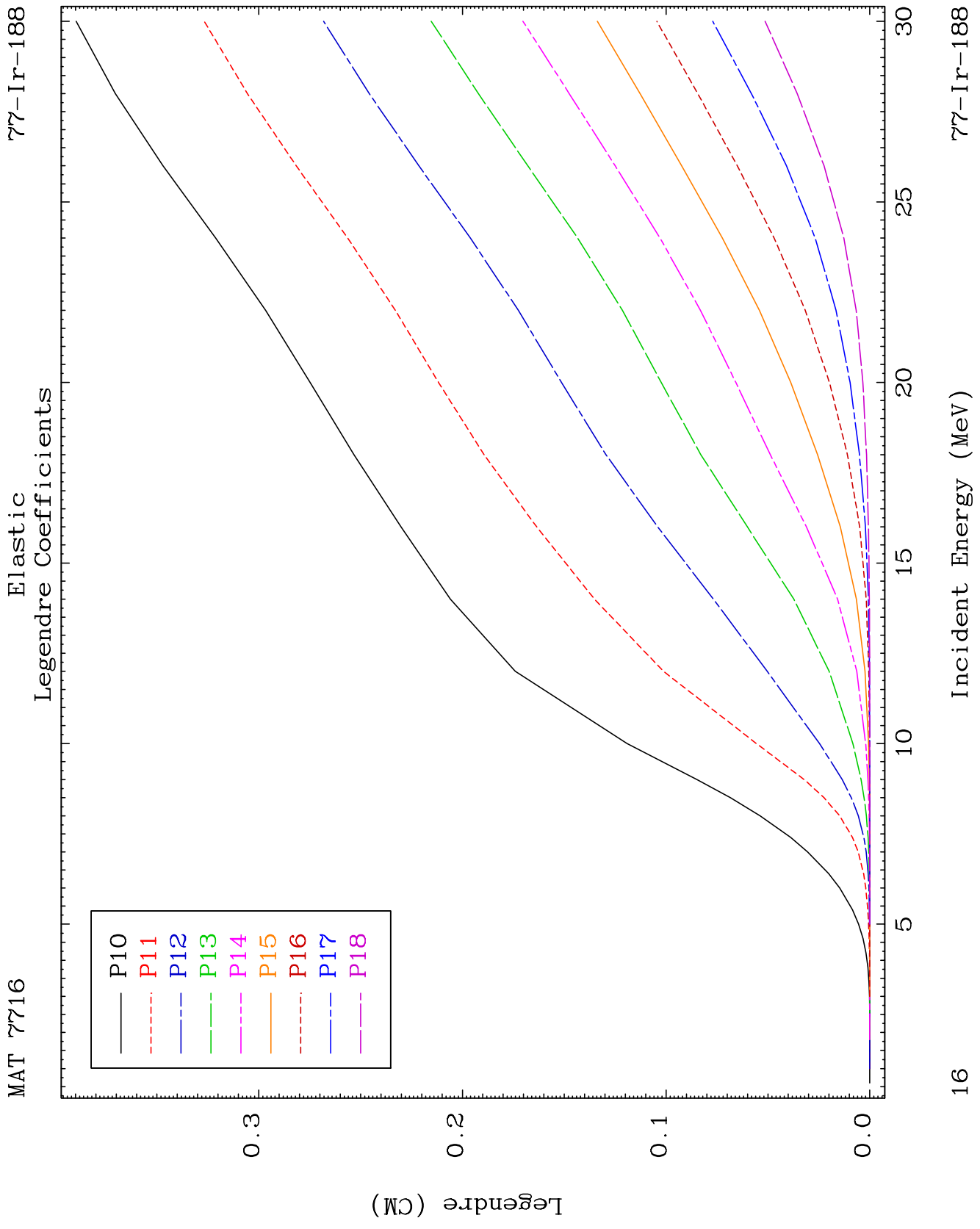
MAT 7716

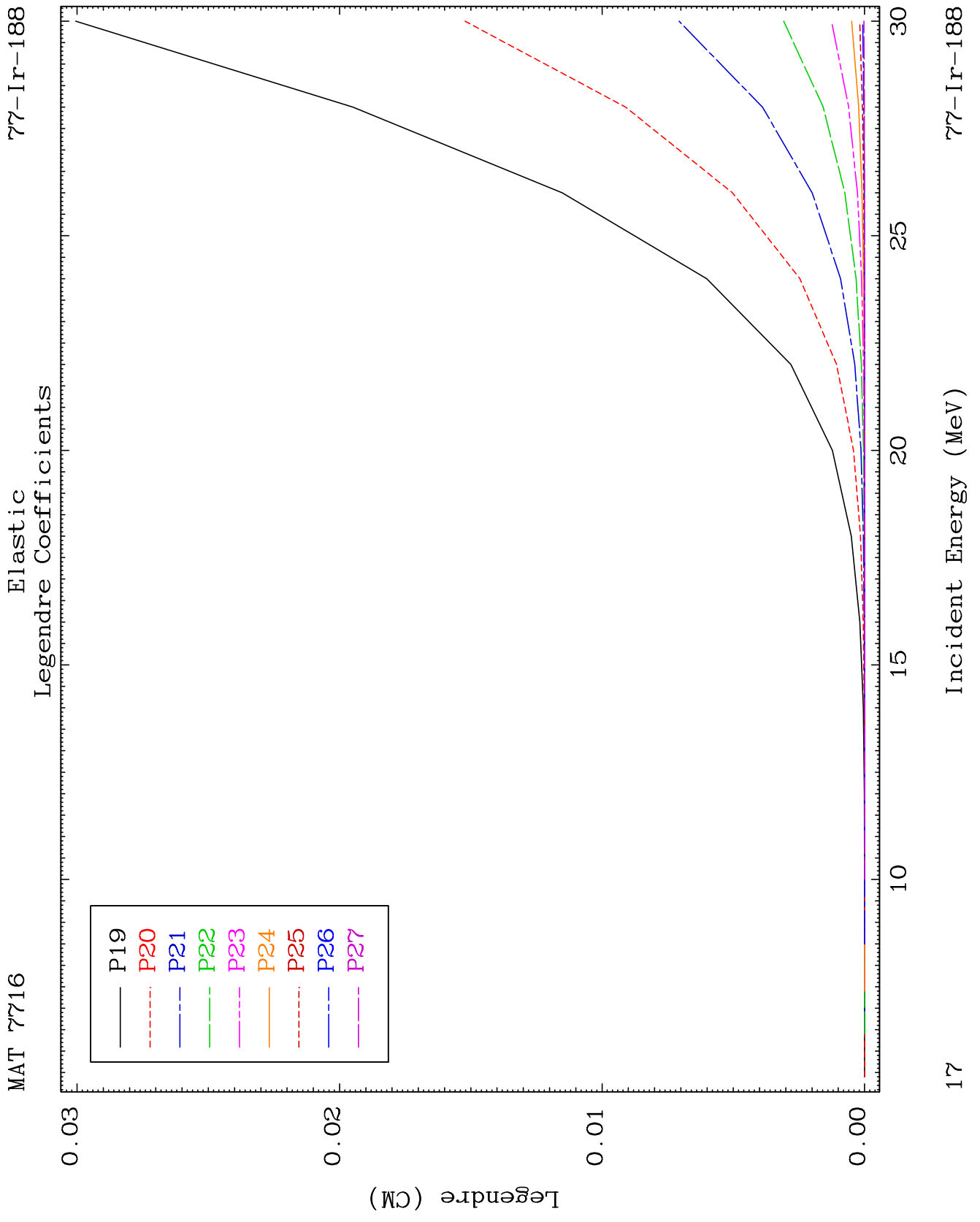
(n, α) Levels
293 Kelvin Cross Sections

⁷⁷Ir-188





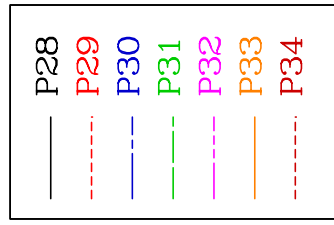




MAT 7716

Elastic
Legendre Coefficients

77-Ir-188



$\times 10^{-68}$

Legendre (CM)

6

4

2

0

15

20

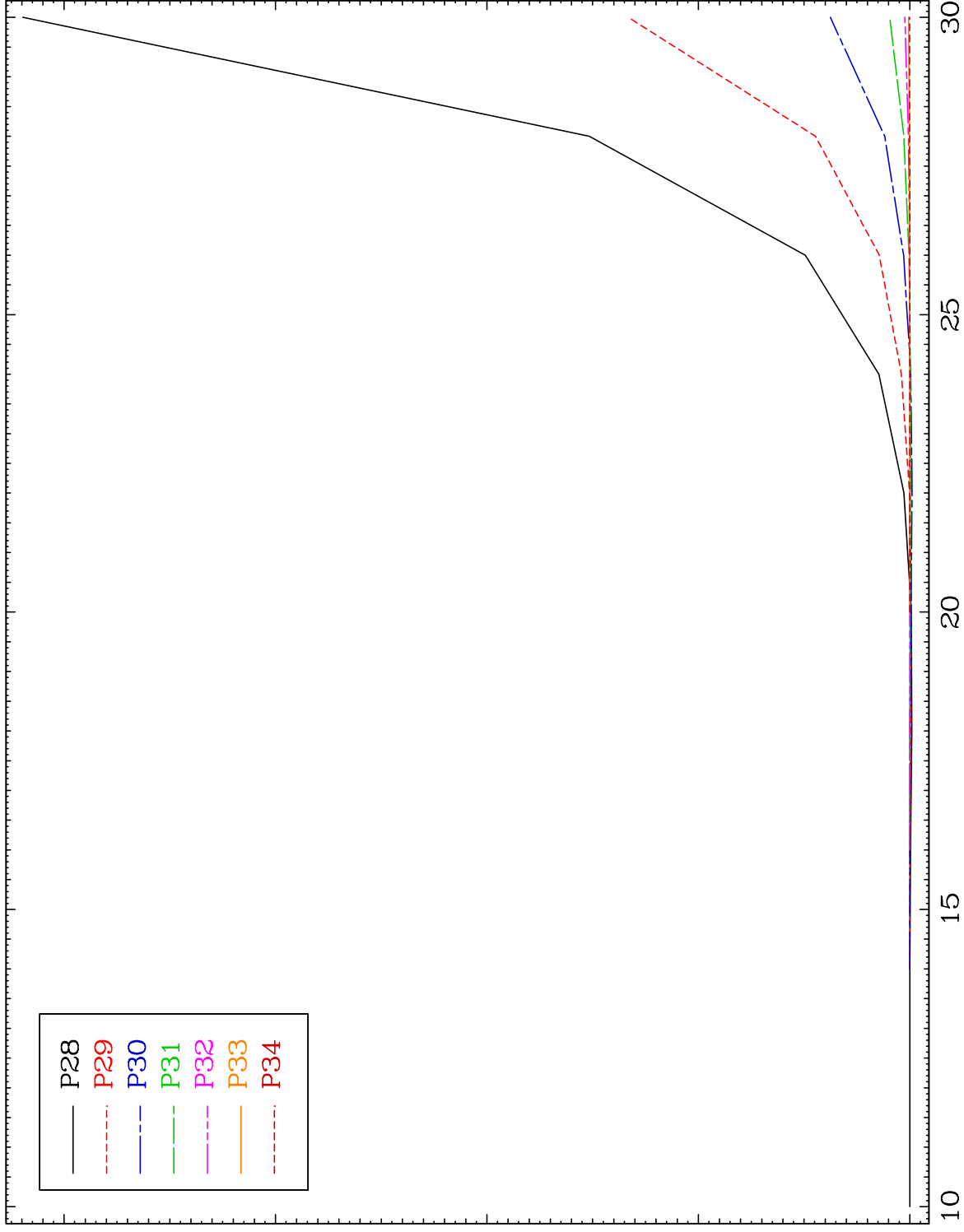
25

30

18

Incident Energy (MeV)

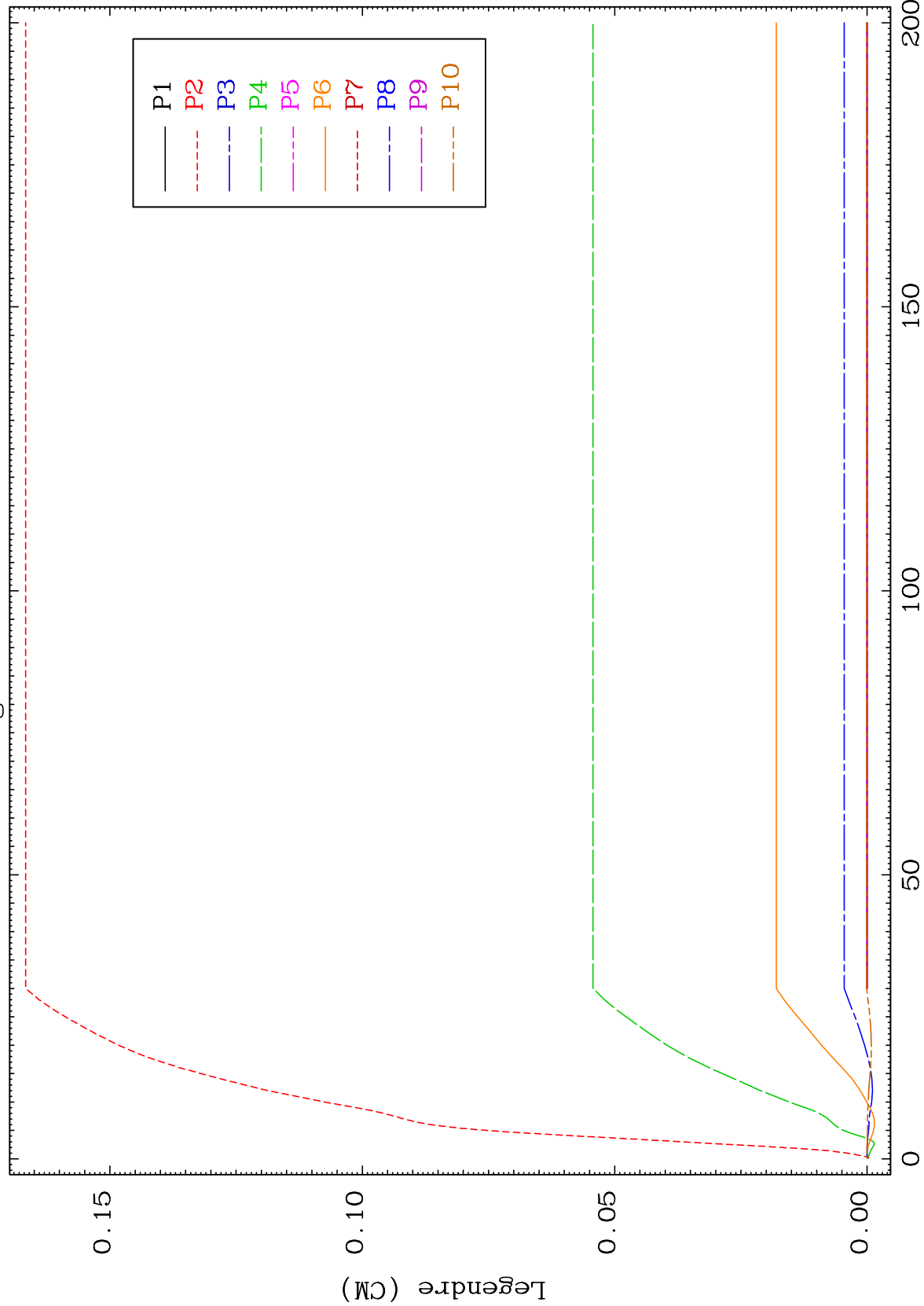
77-Ir-188



MAT 7716

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

77-Ir-188



19

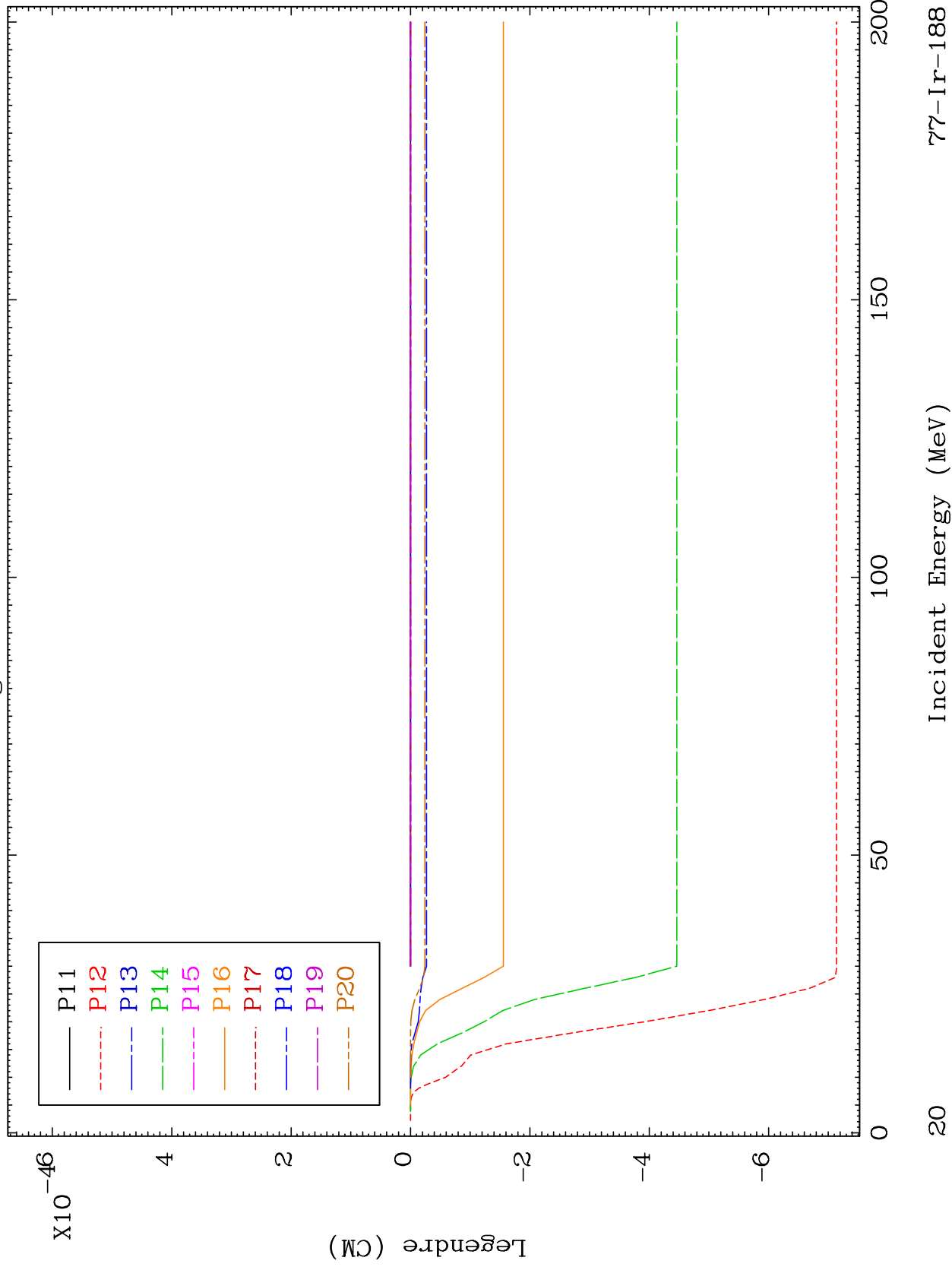
Incident Energy (MeV)

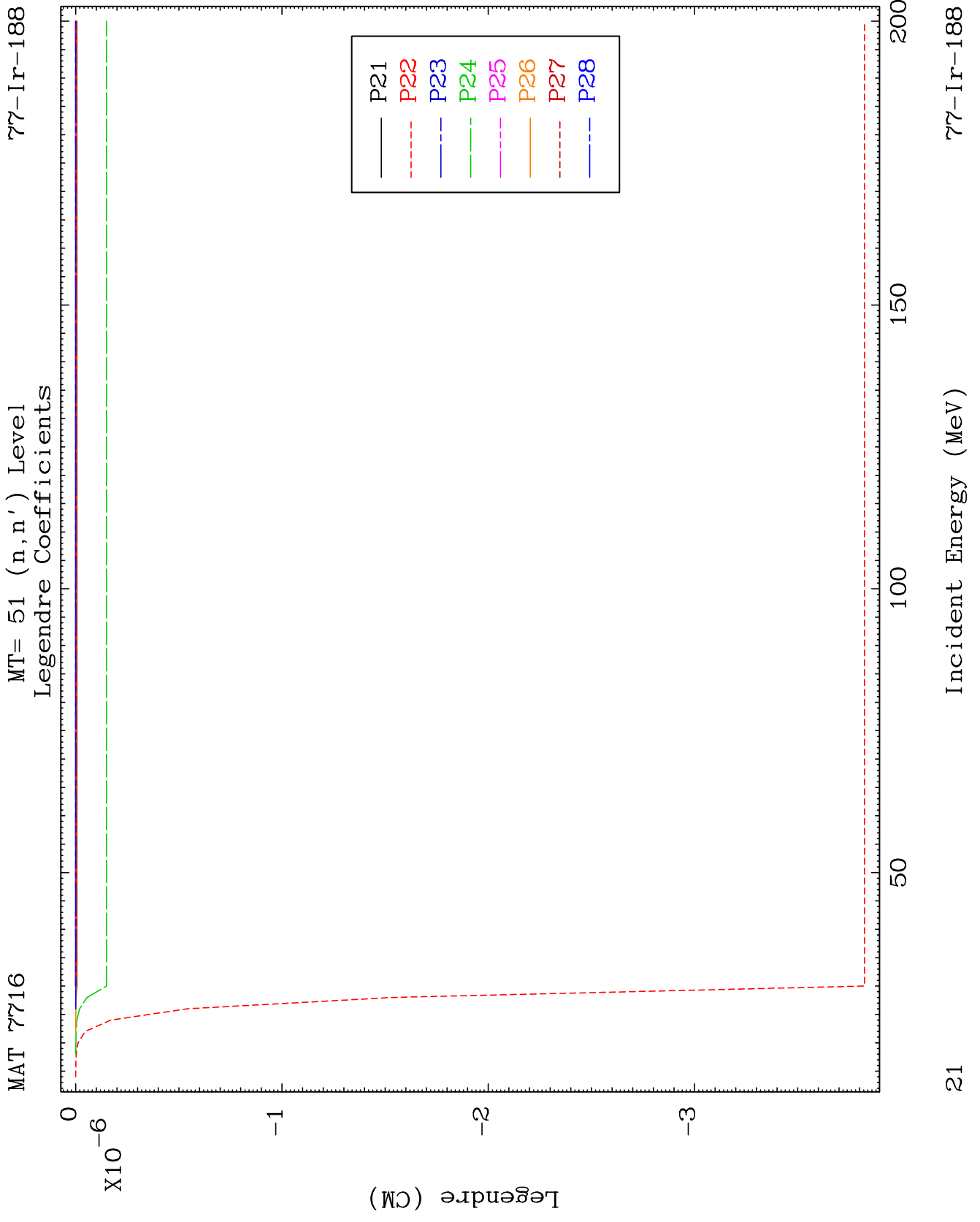
77-Ir-188

MAT 7716

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

77-Ir-188

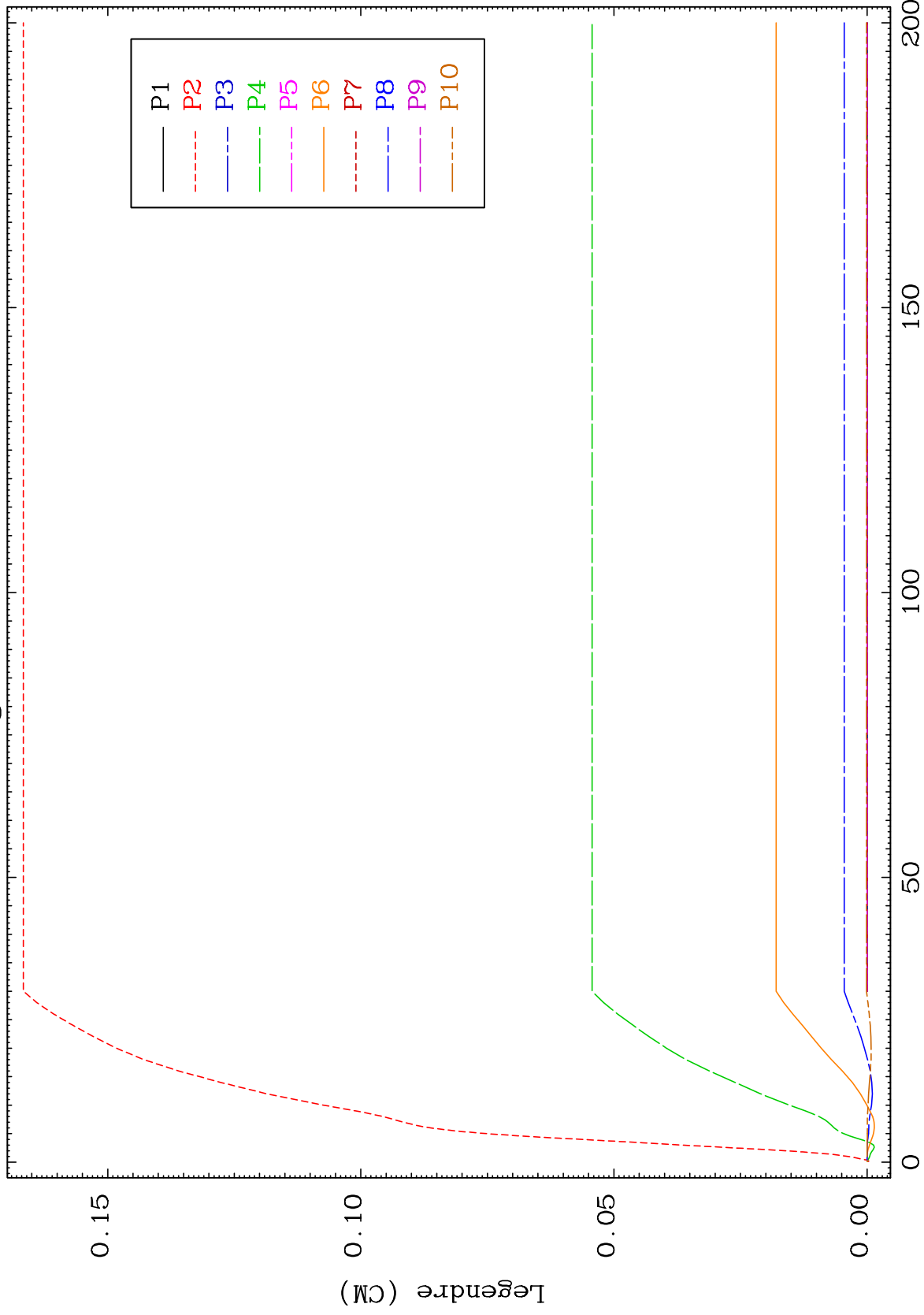




MAT 7716

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

77-Ir-188



22

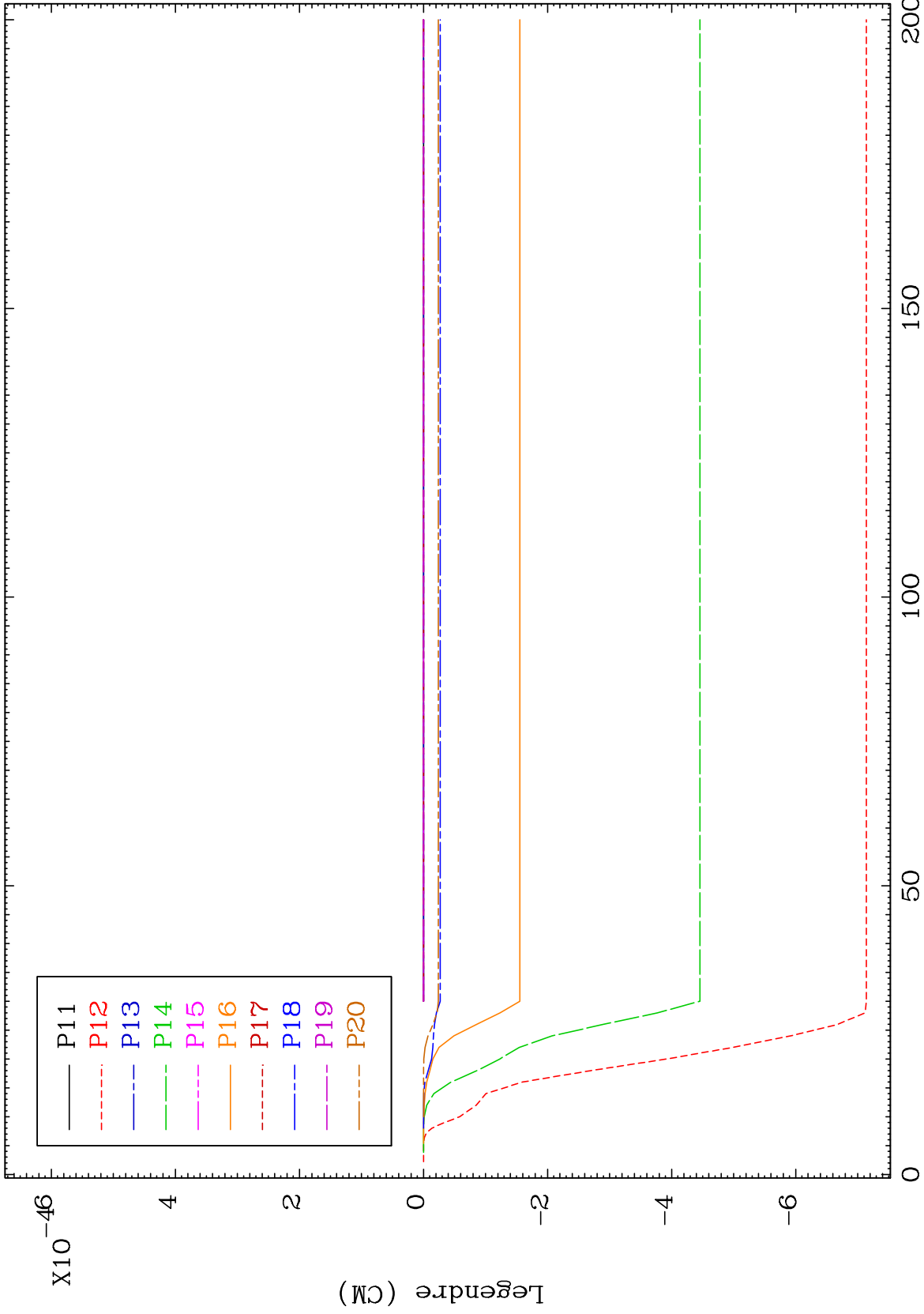
Incident Energy (MeV)

77-Ir-188

MAT 7716

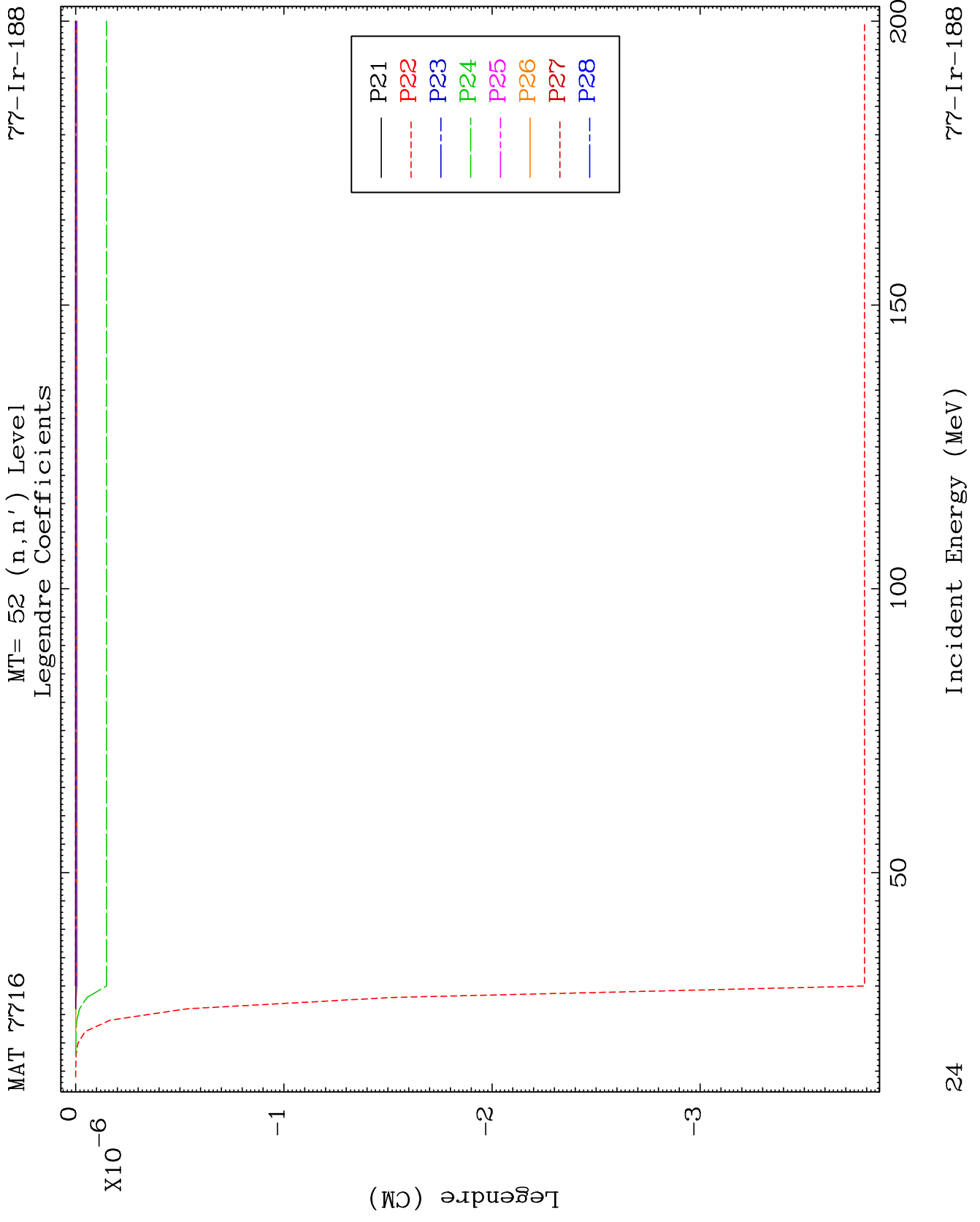
MT= 52 (n,n') Level
Legendre Coefficients

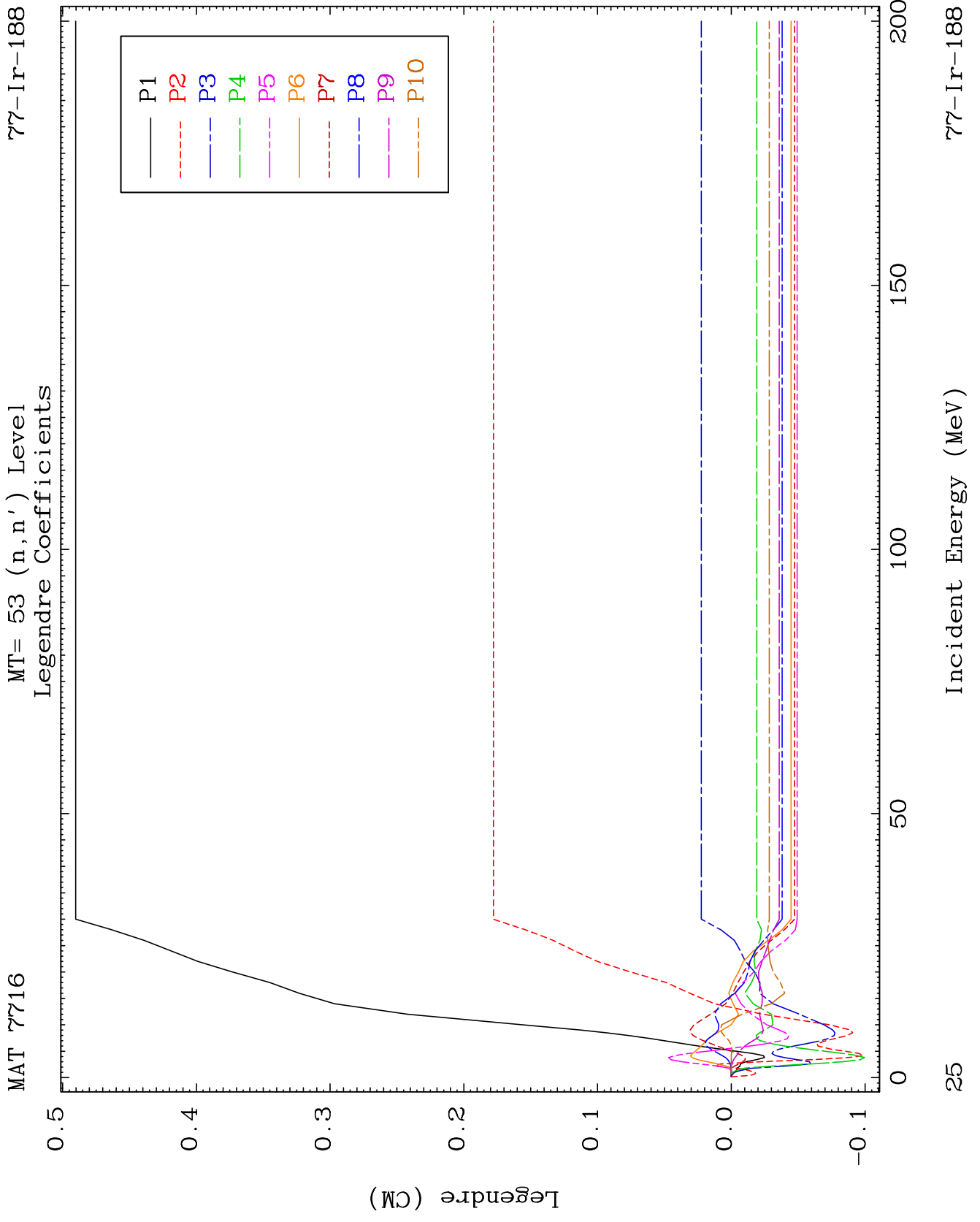
77-Ir-188



23

77-Ir-188

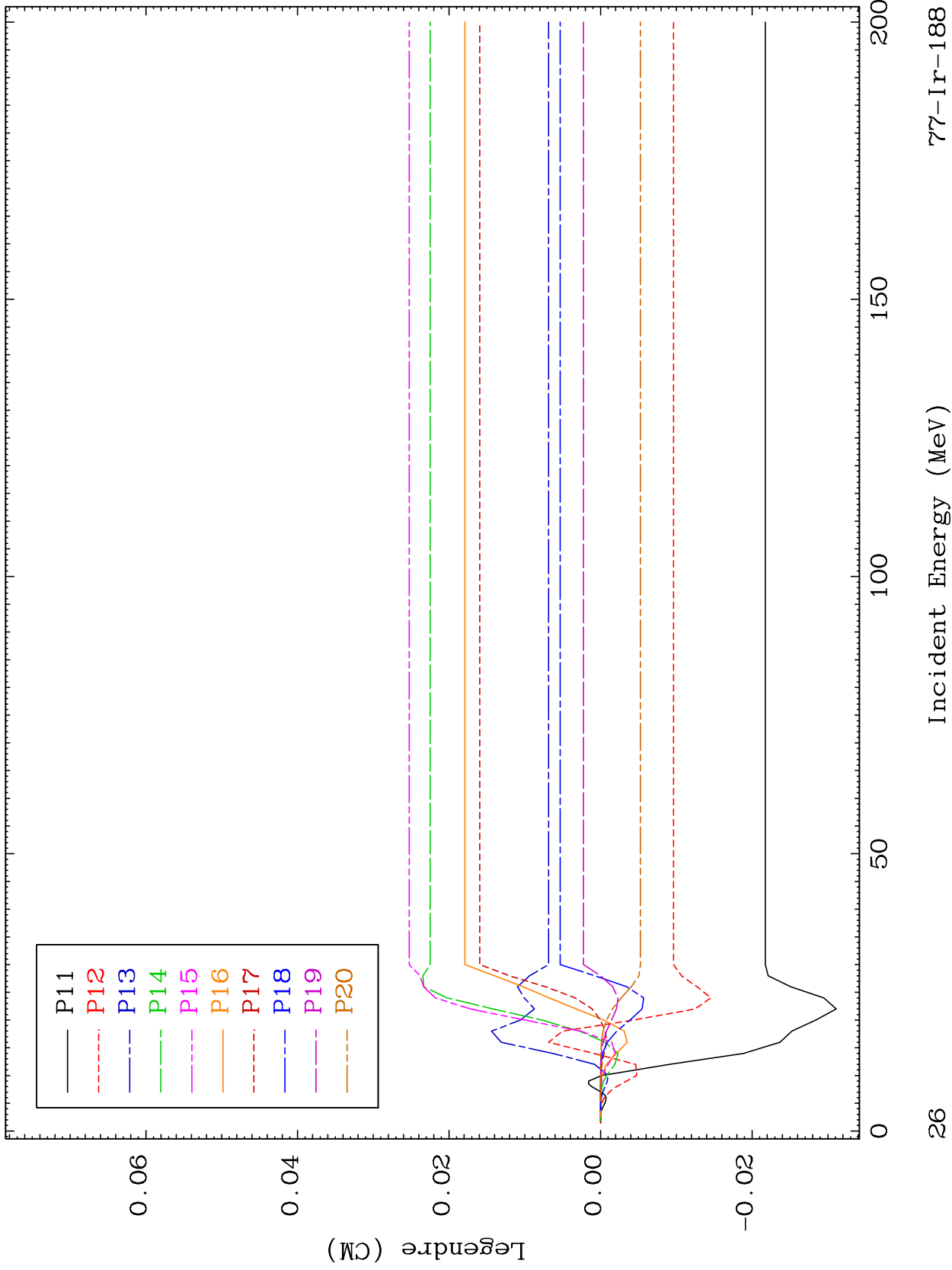




MAT 7716

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

77-Ir-188



26

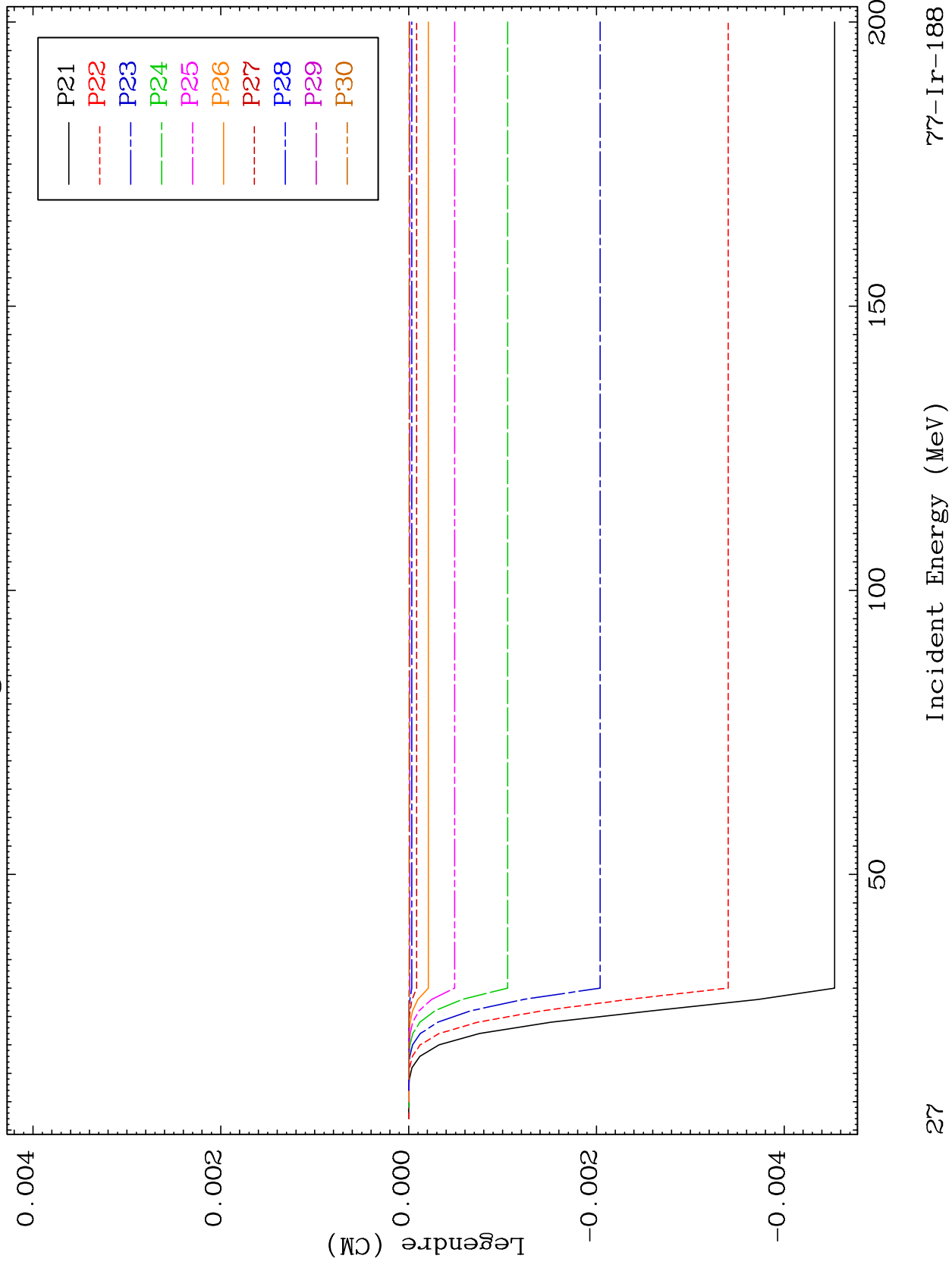
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

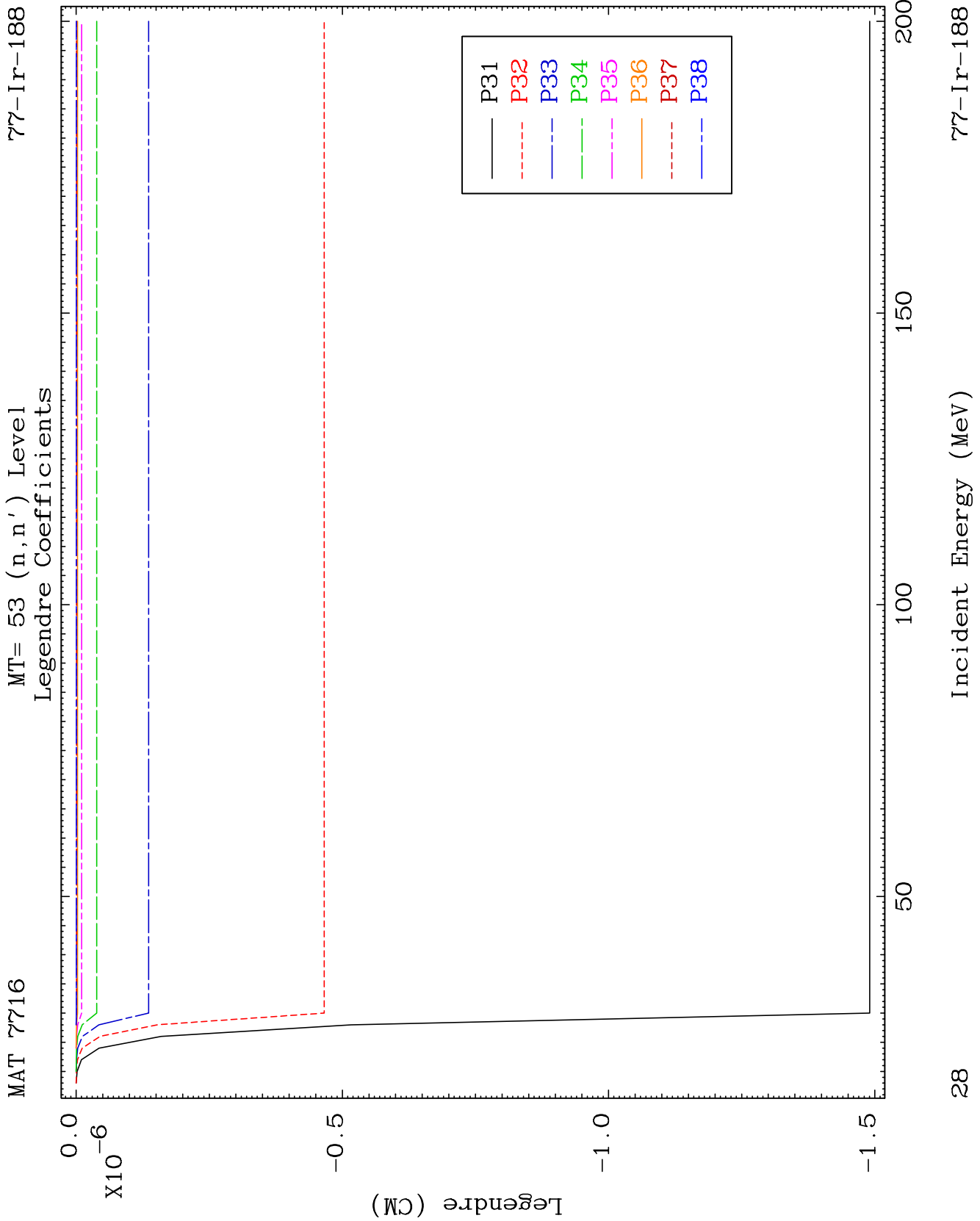
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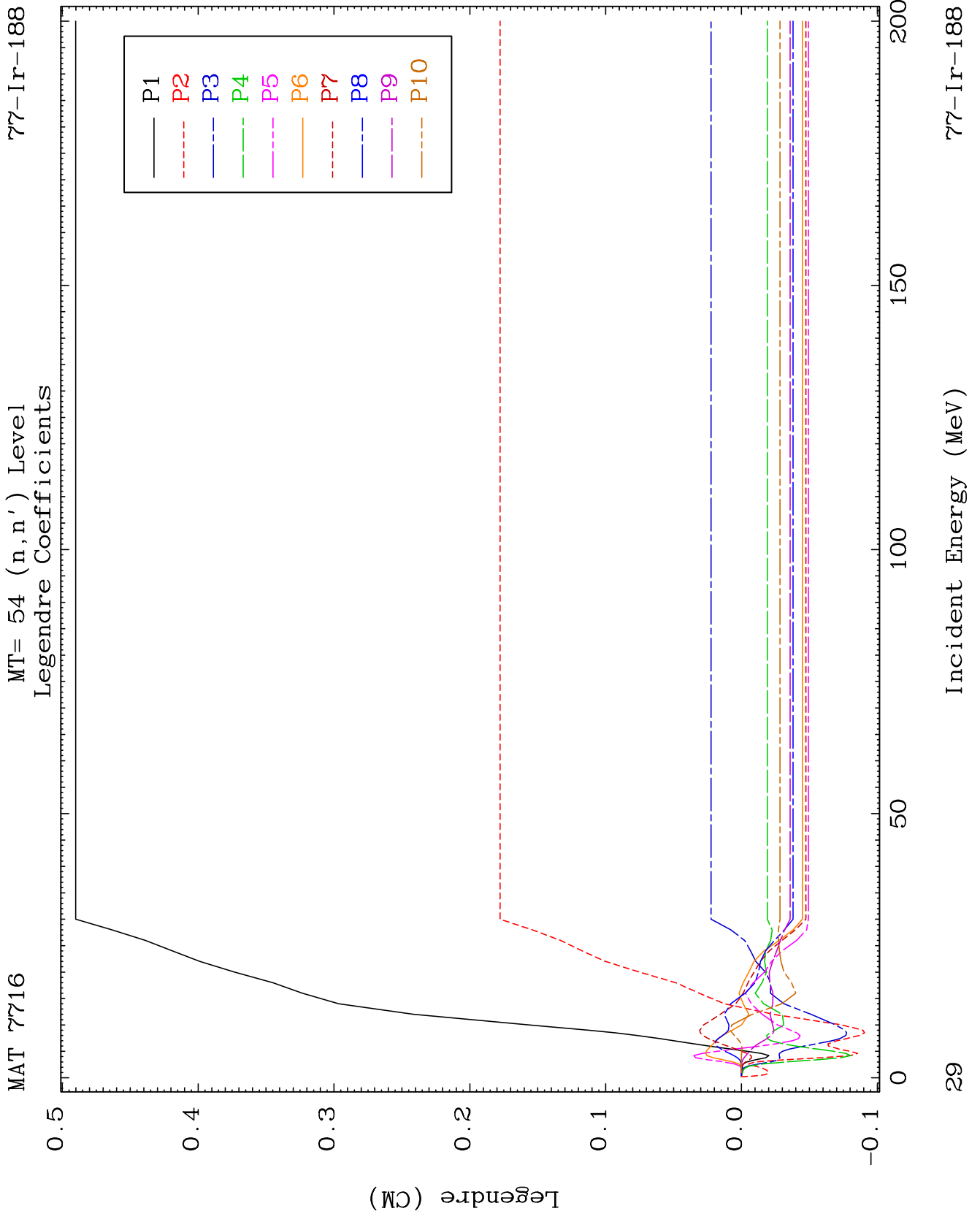


27

Incident Energy (MeV)

77-Ir-188

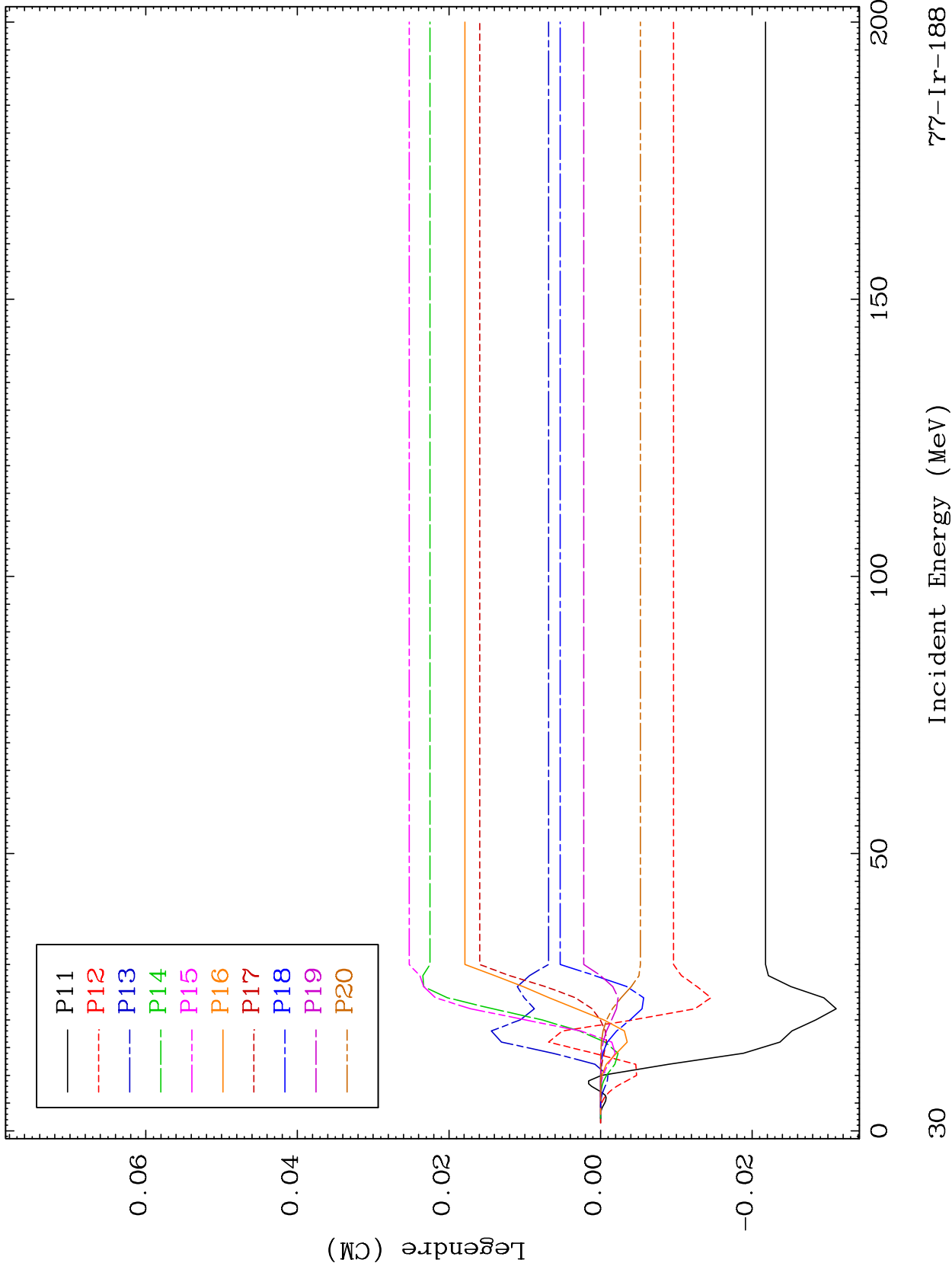




MAT 7716

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

77-Ir-188



77-Ir-188

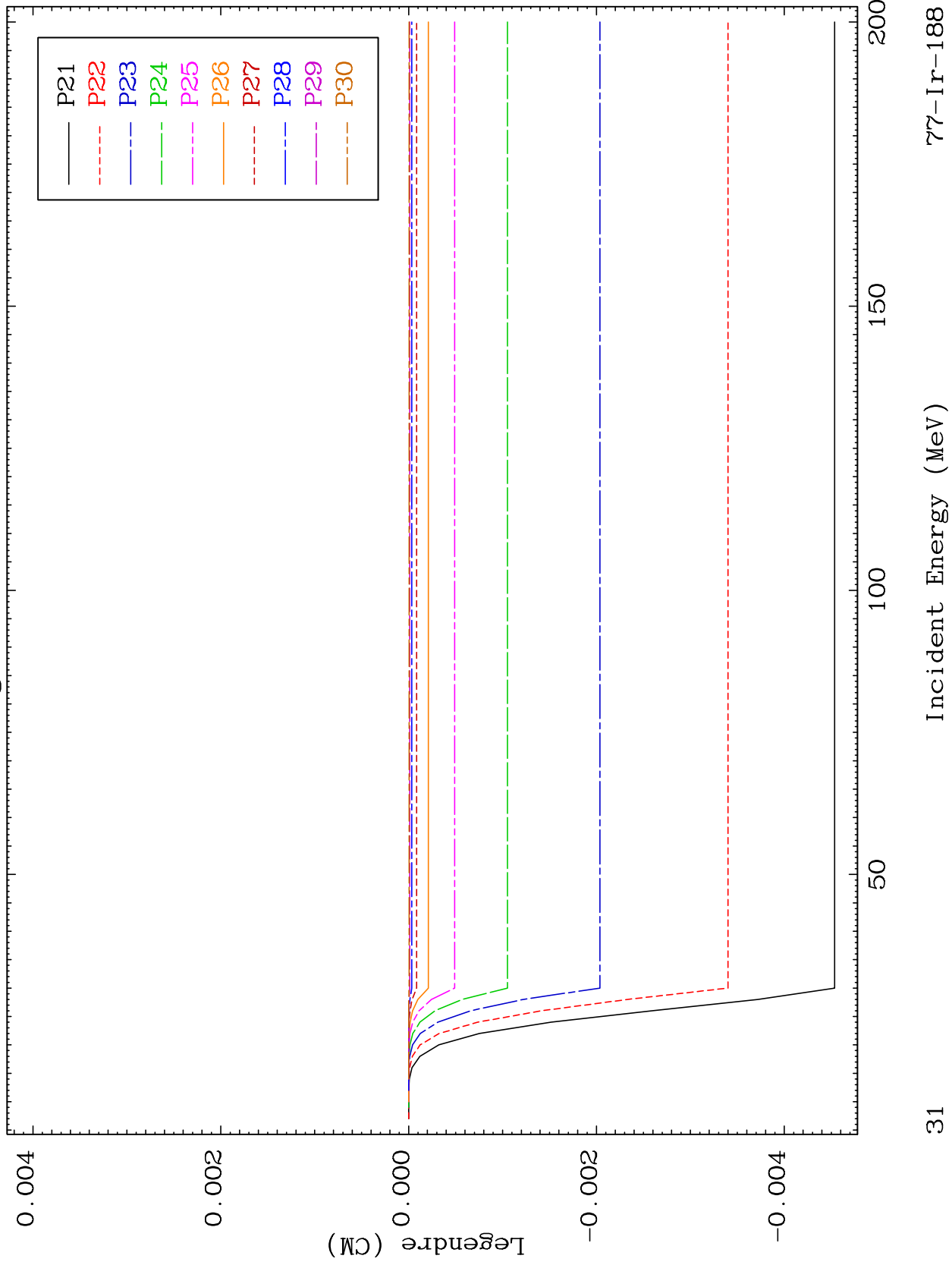
Incident Energy (MeV)

30

MAT 7716

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

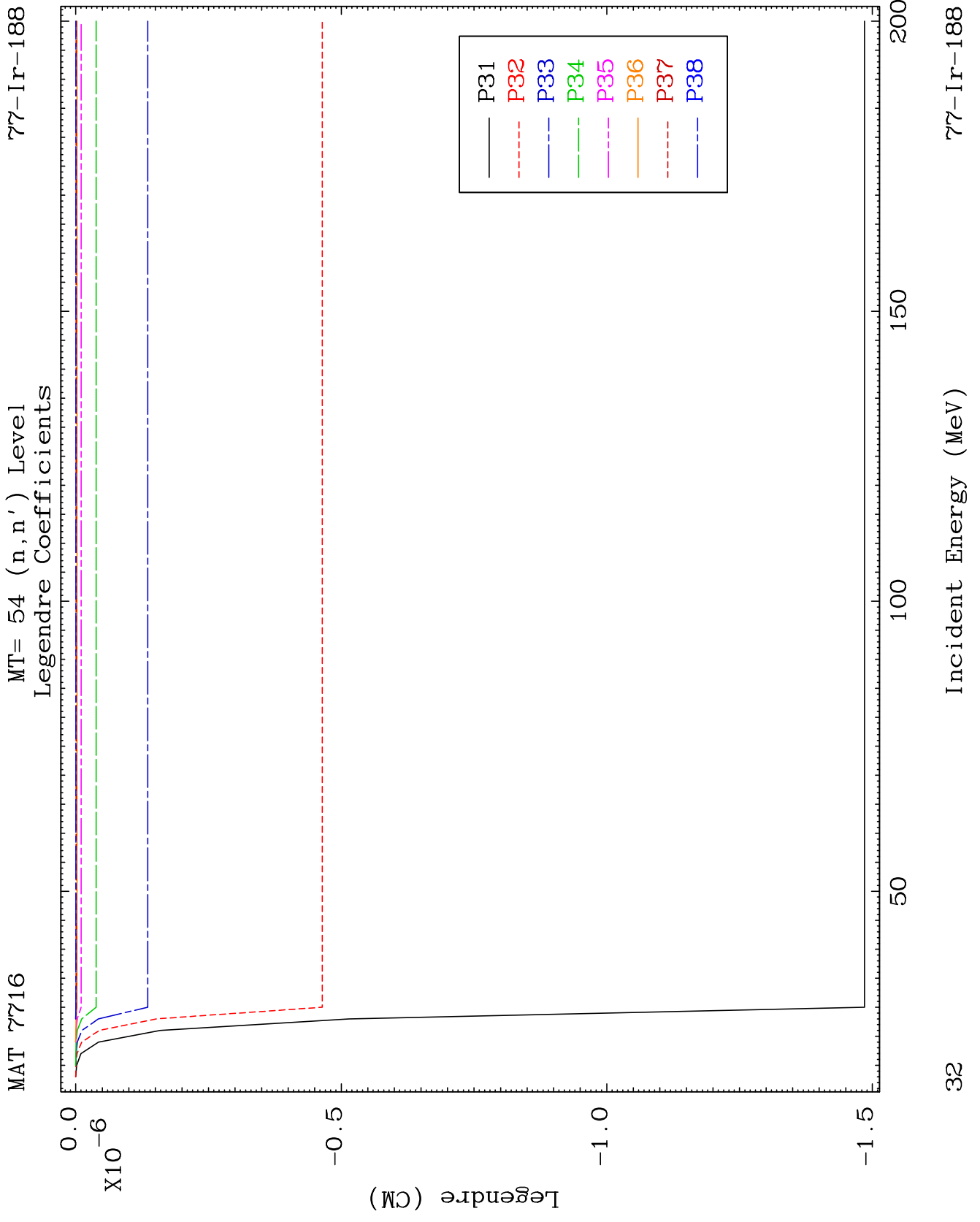
77-Ir-188



31

Incident Energy (MeV)

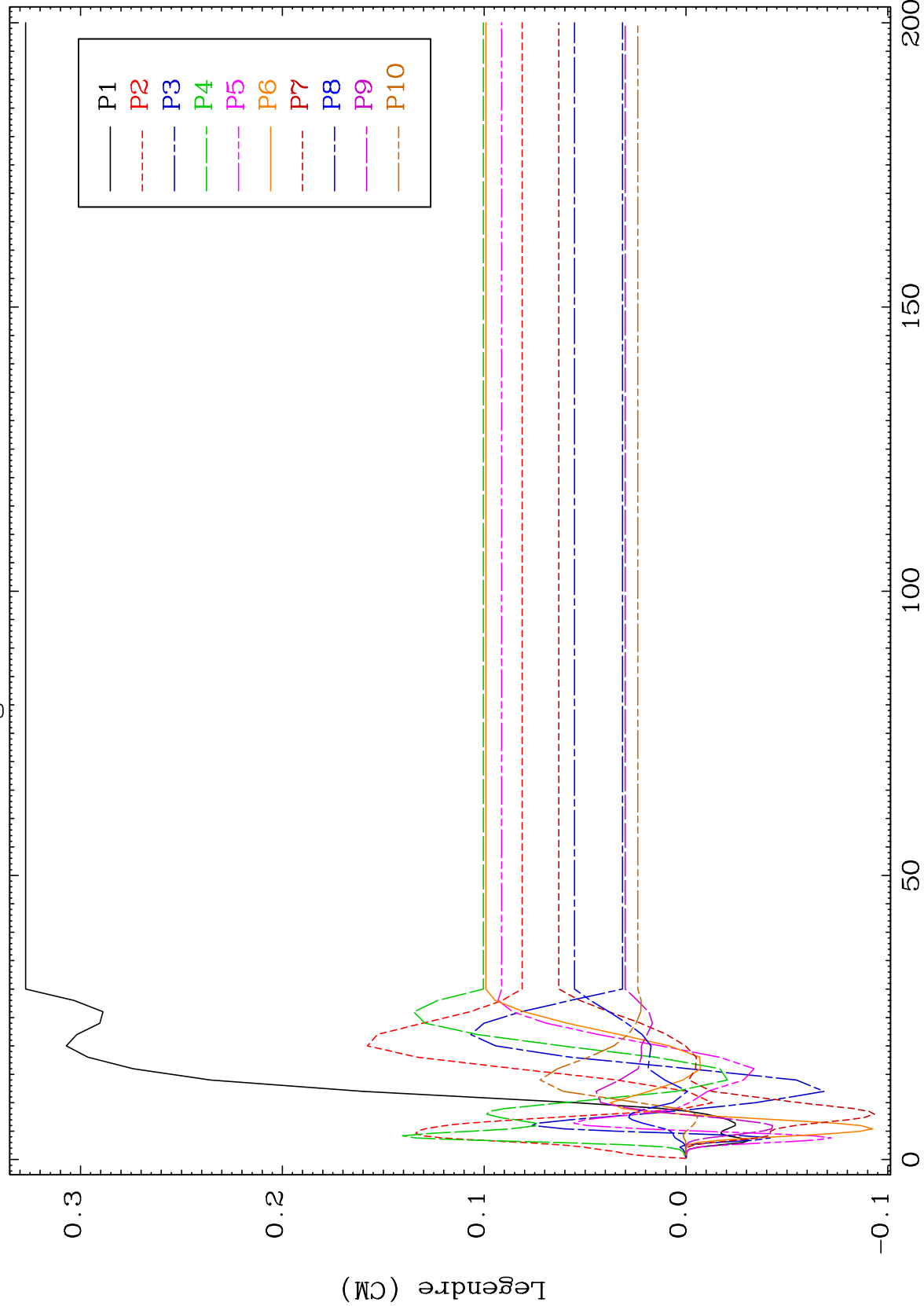
77-Ir-188



MAT 7716

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

77-Ir-188



33

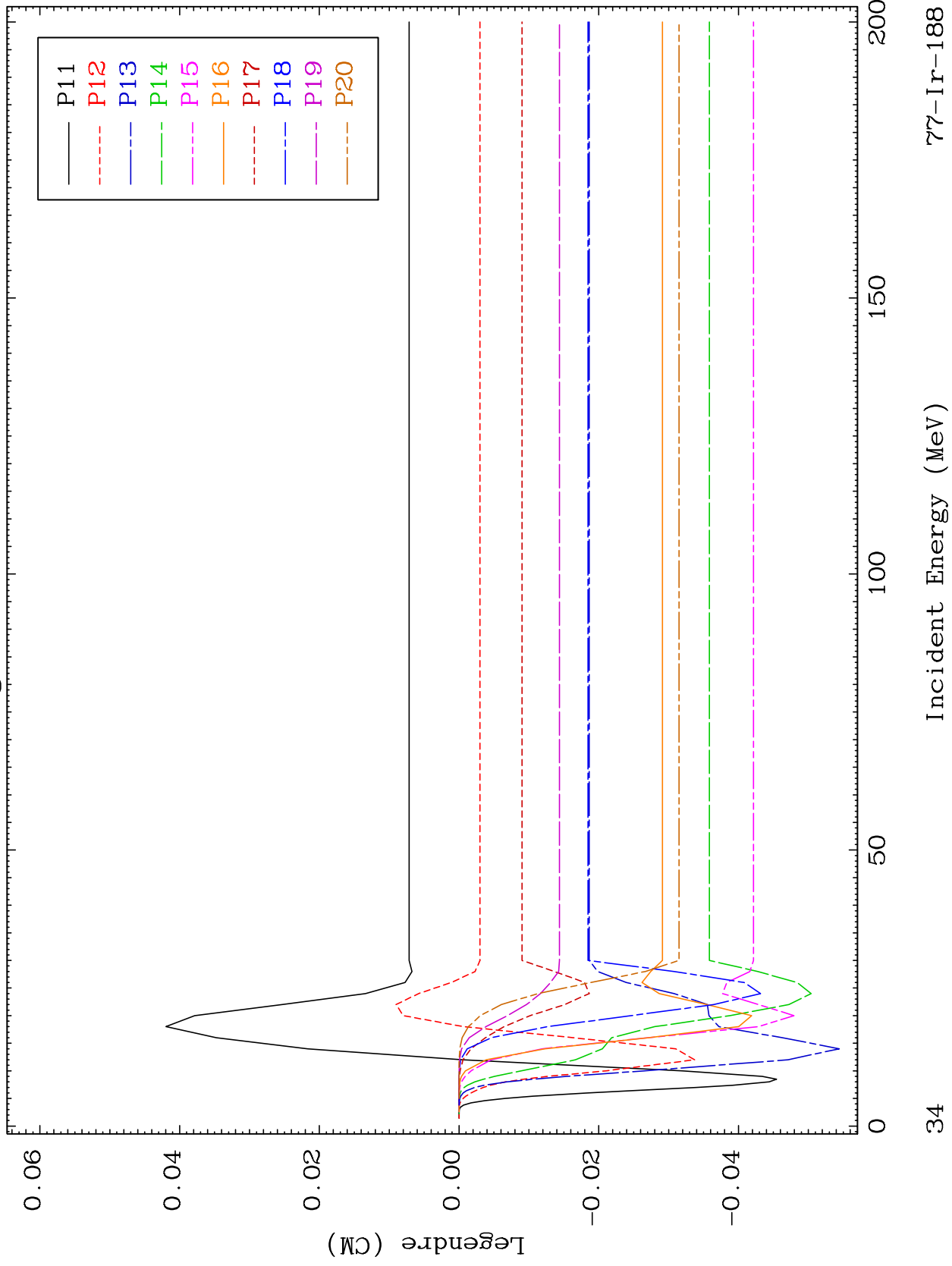
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



77-Ir-188

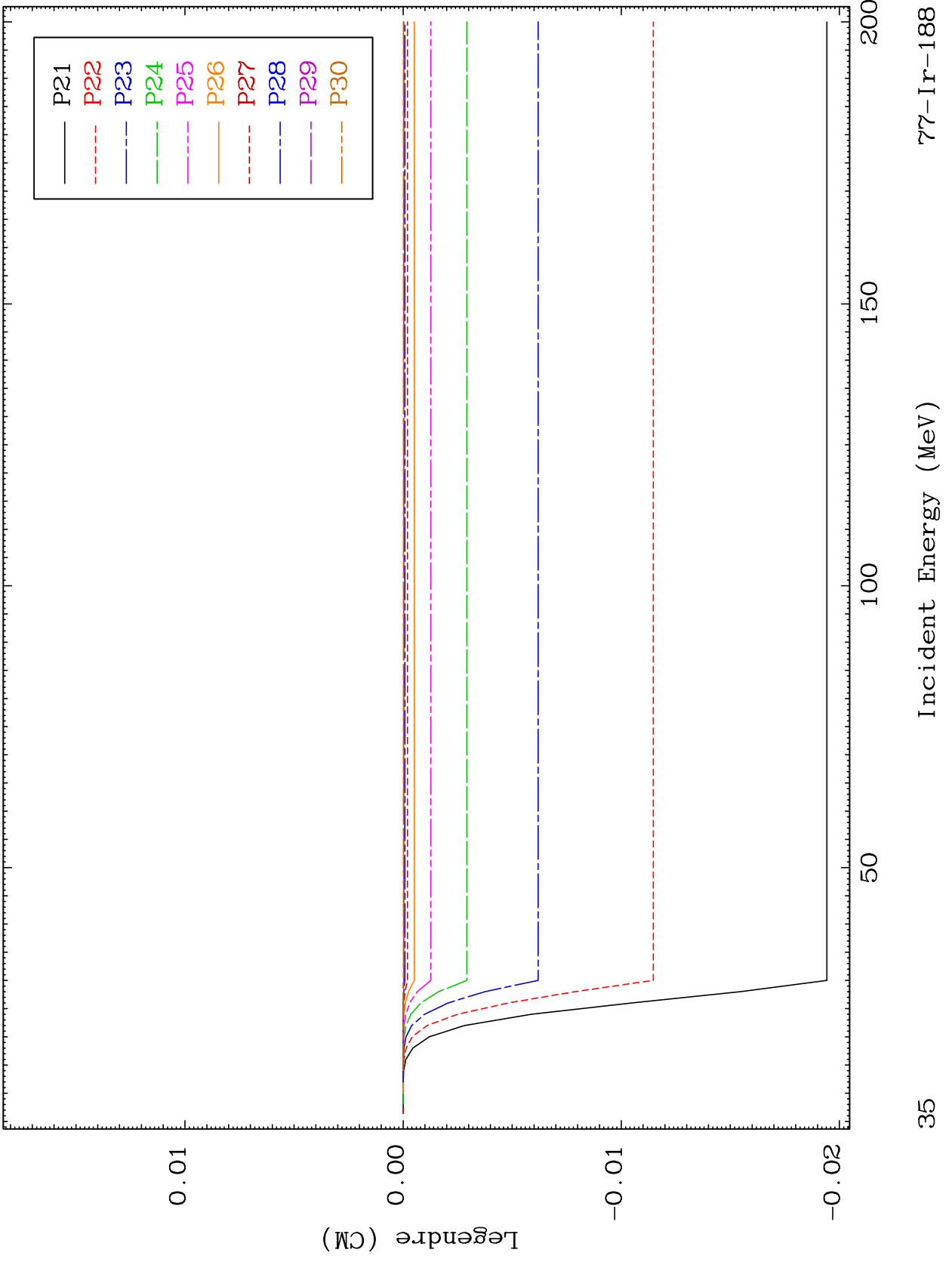
Incident Energy (MeV)

34

MAT 7716

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

77-Ir-188



35

Incident Energy (MeV)

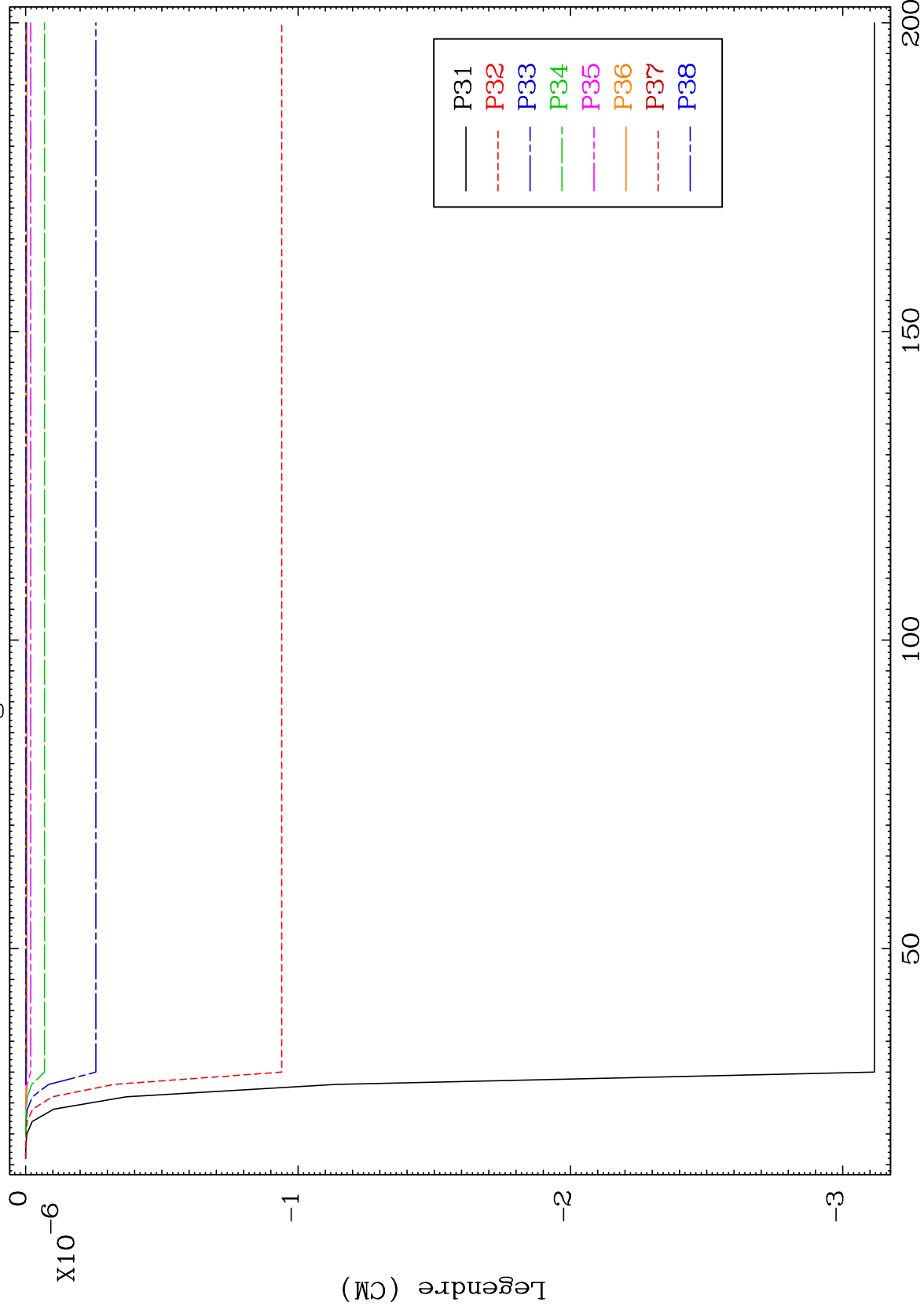
77-Ir-188

MAT 7716

MT= 55 (n,n') Level

77-Ir-188

Legendre Coefficients



36

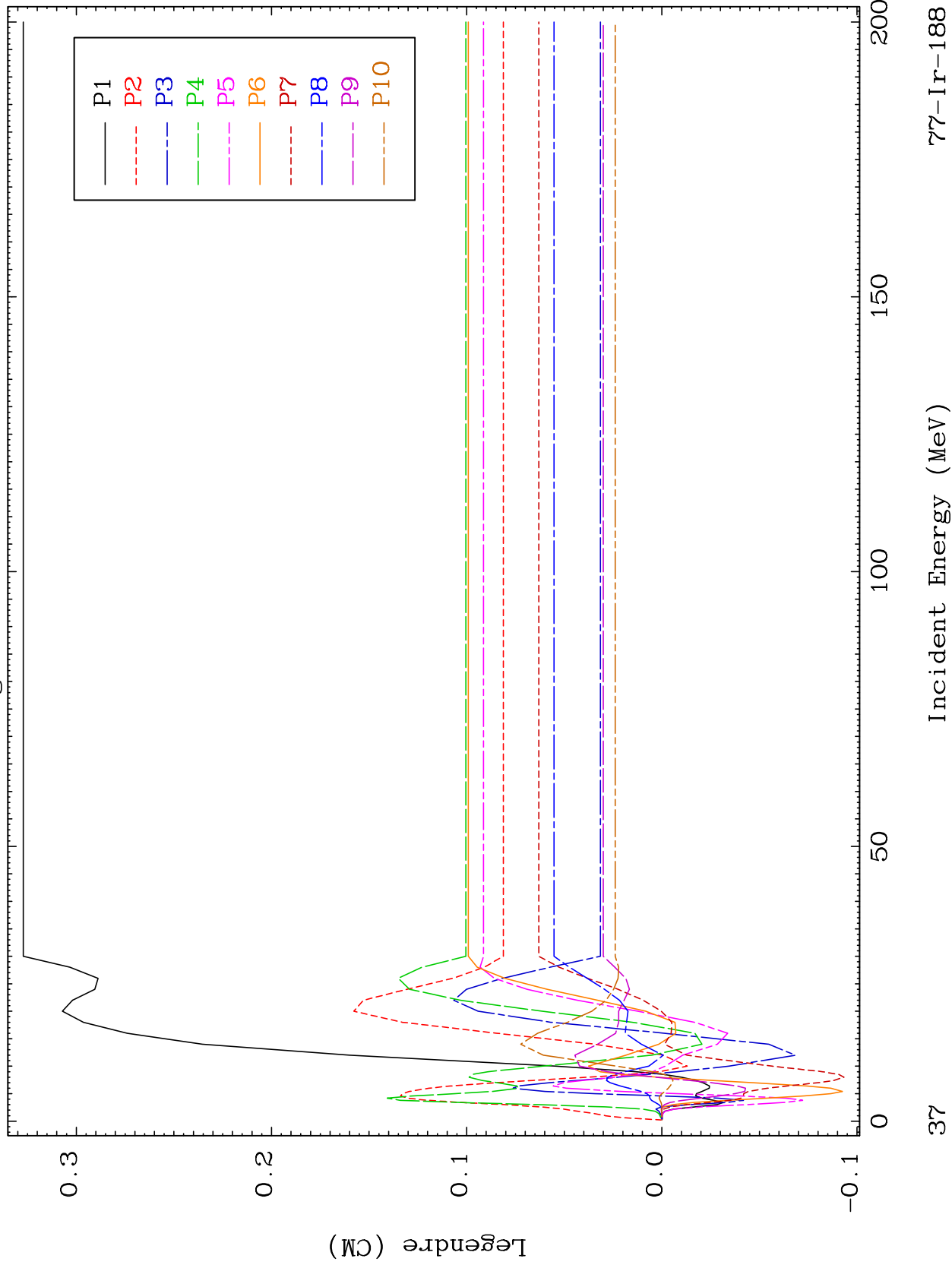
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



37

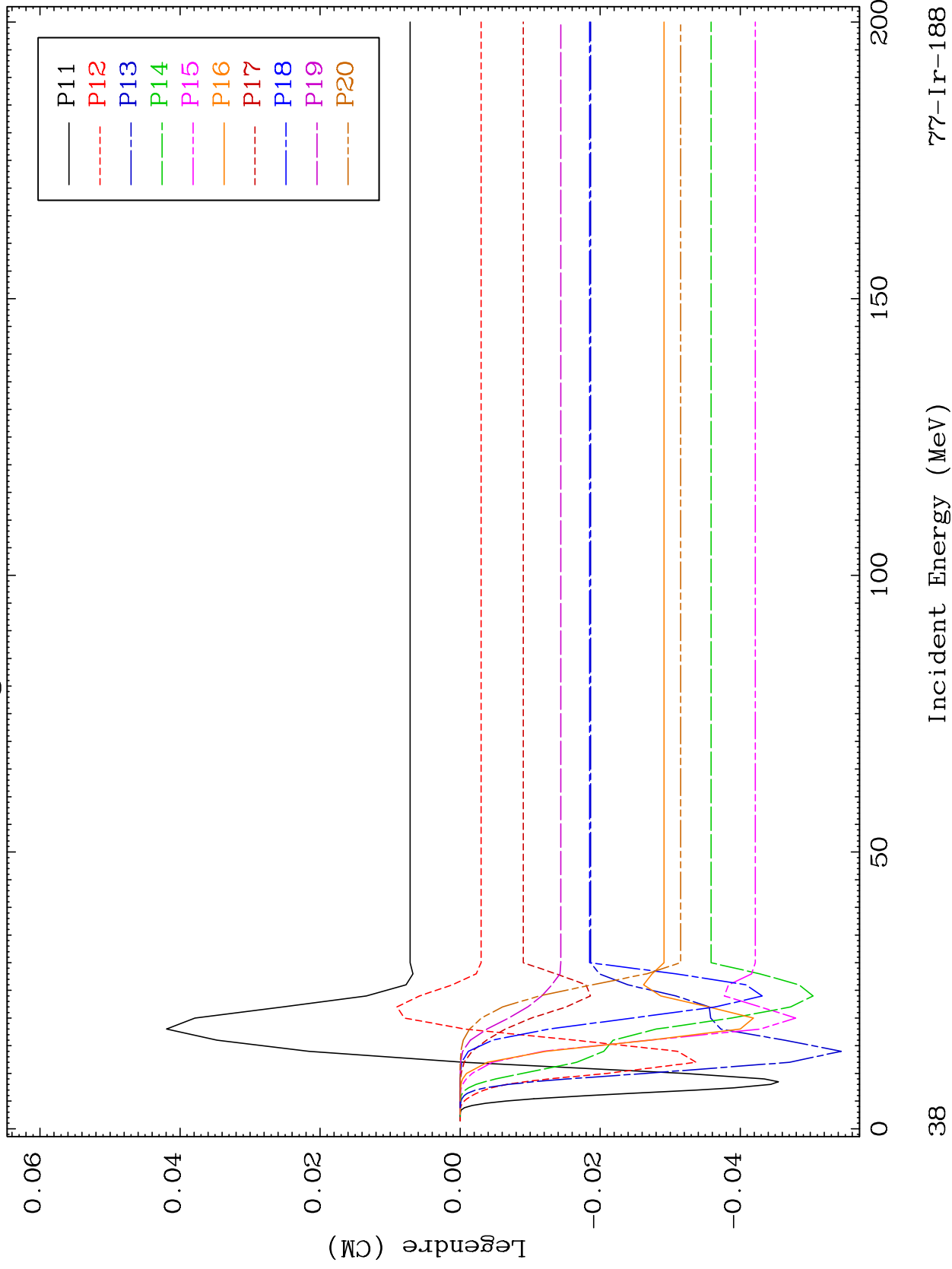
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



77-Ir-188

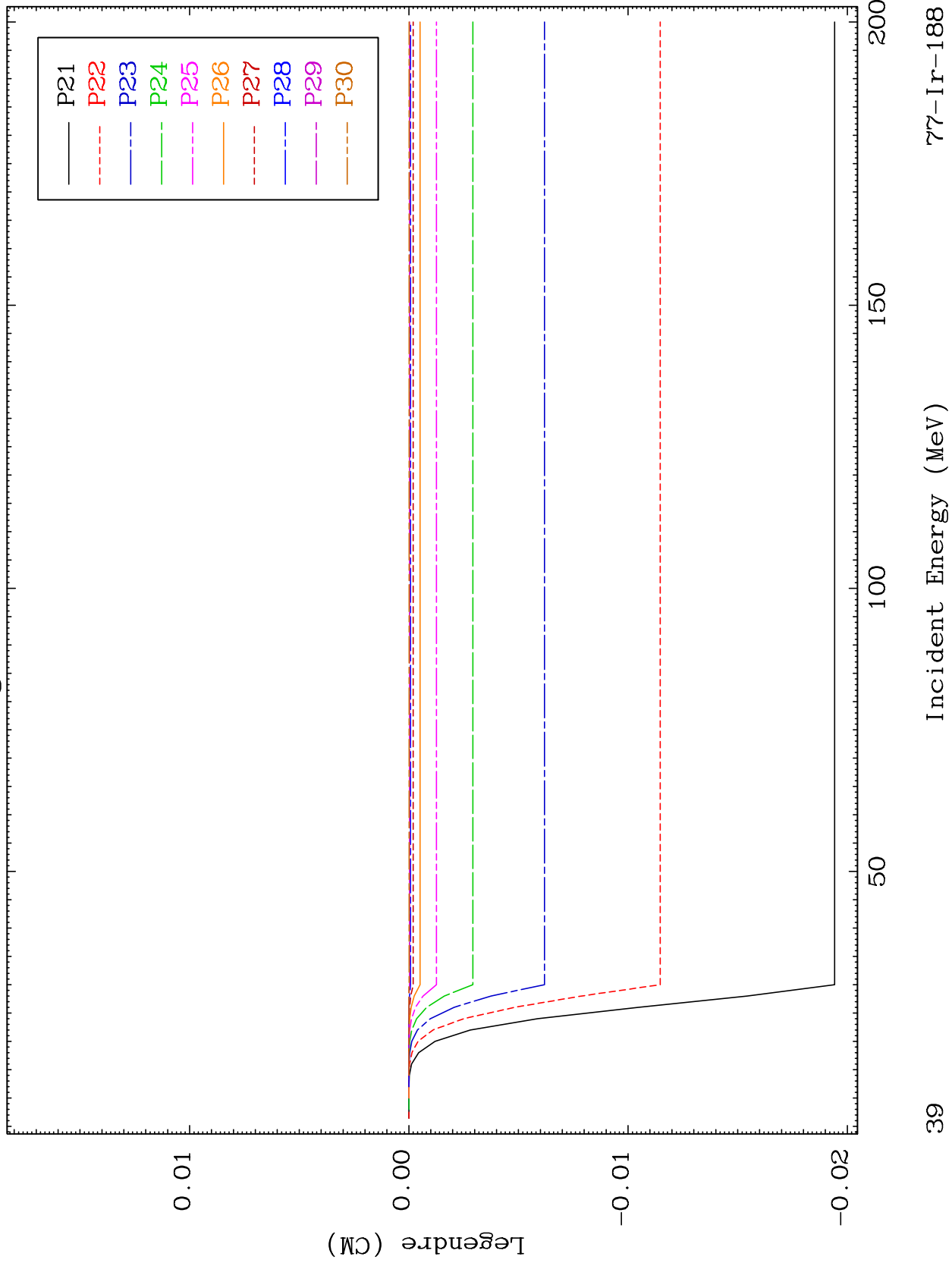
Incident Energy (MeV)

38

MAT 7716

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

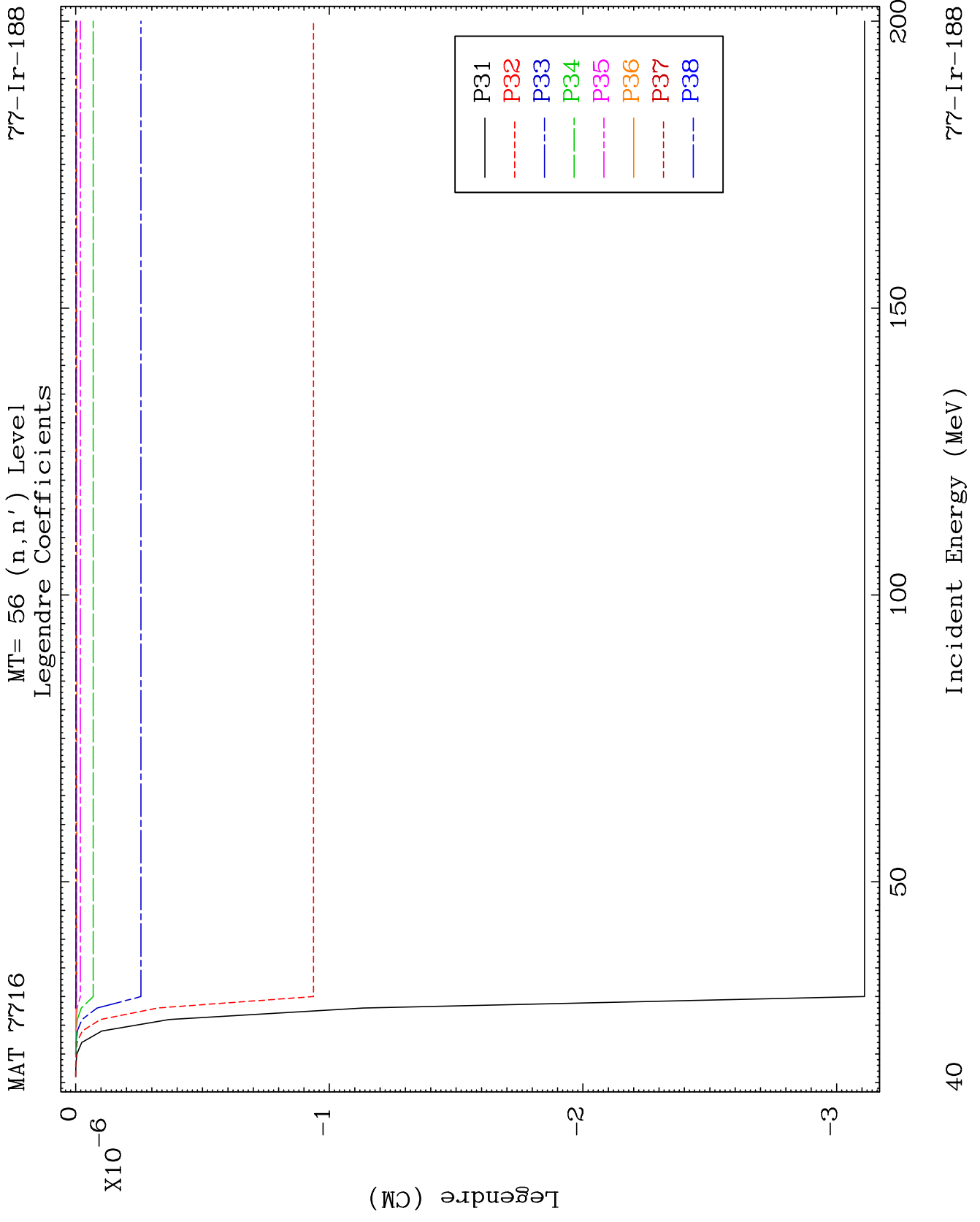
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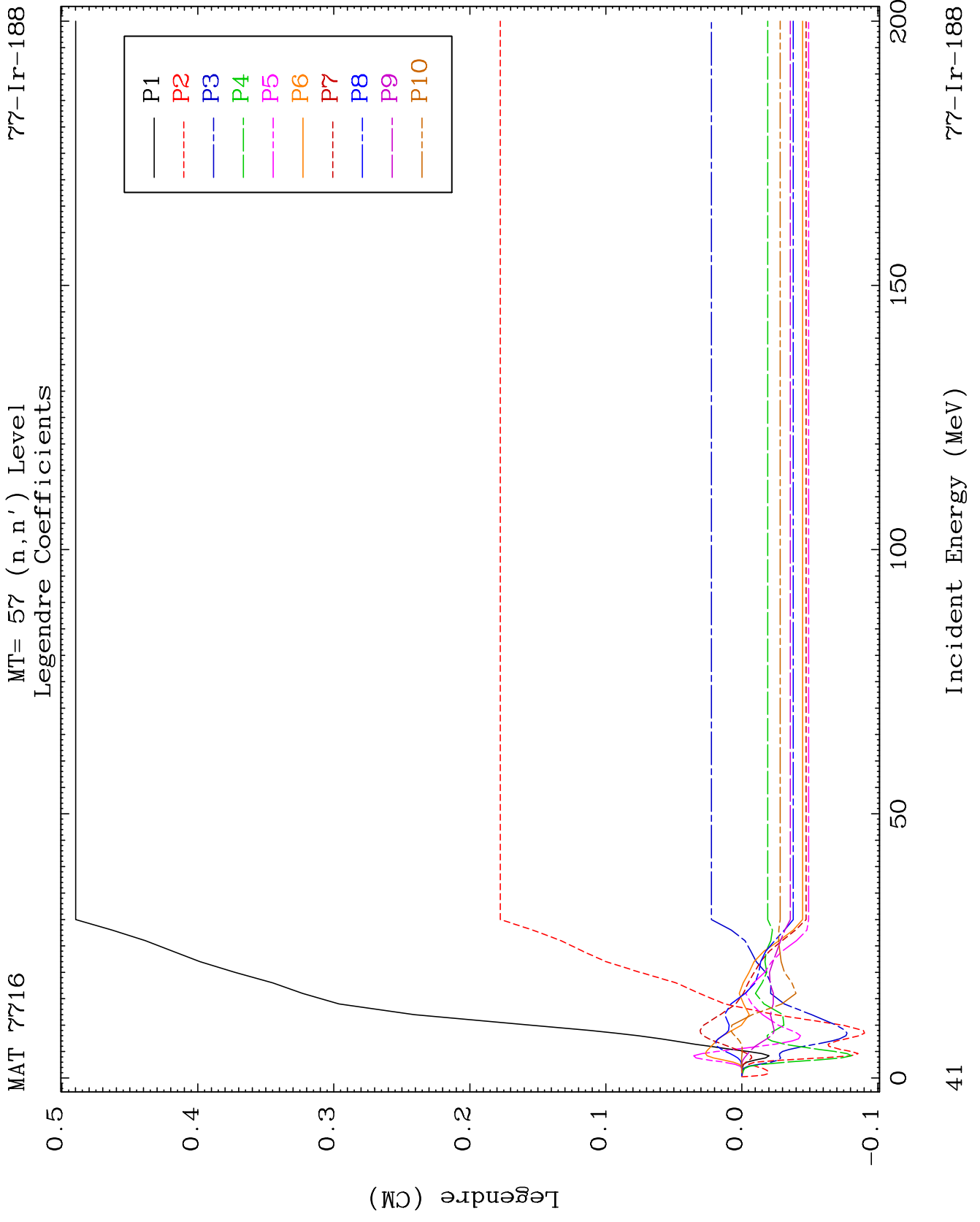


39

Incident Energy (MeV)

77-Ir-188

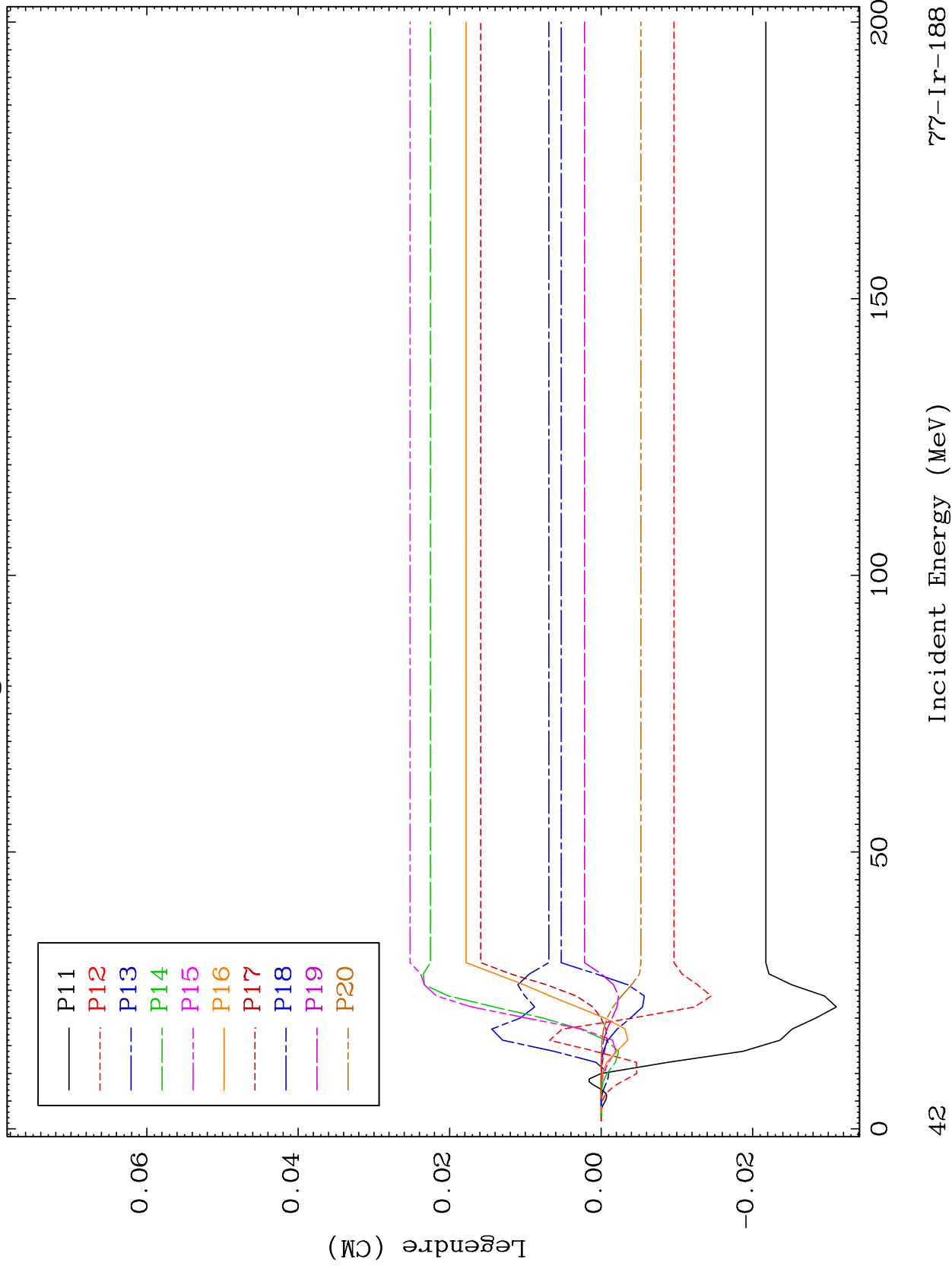




MAT 7716

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

77-Ir-188



42

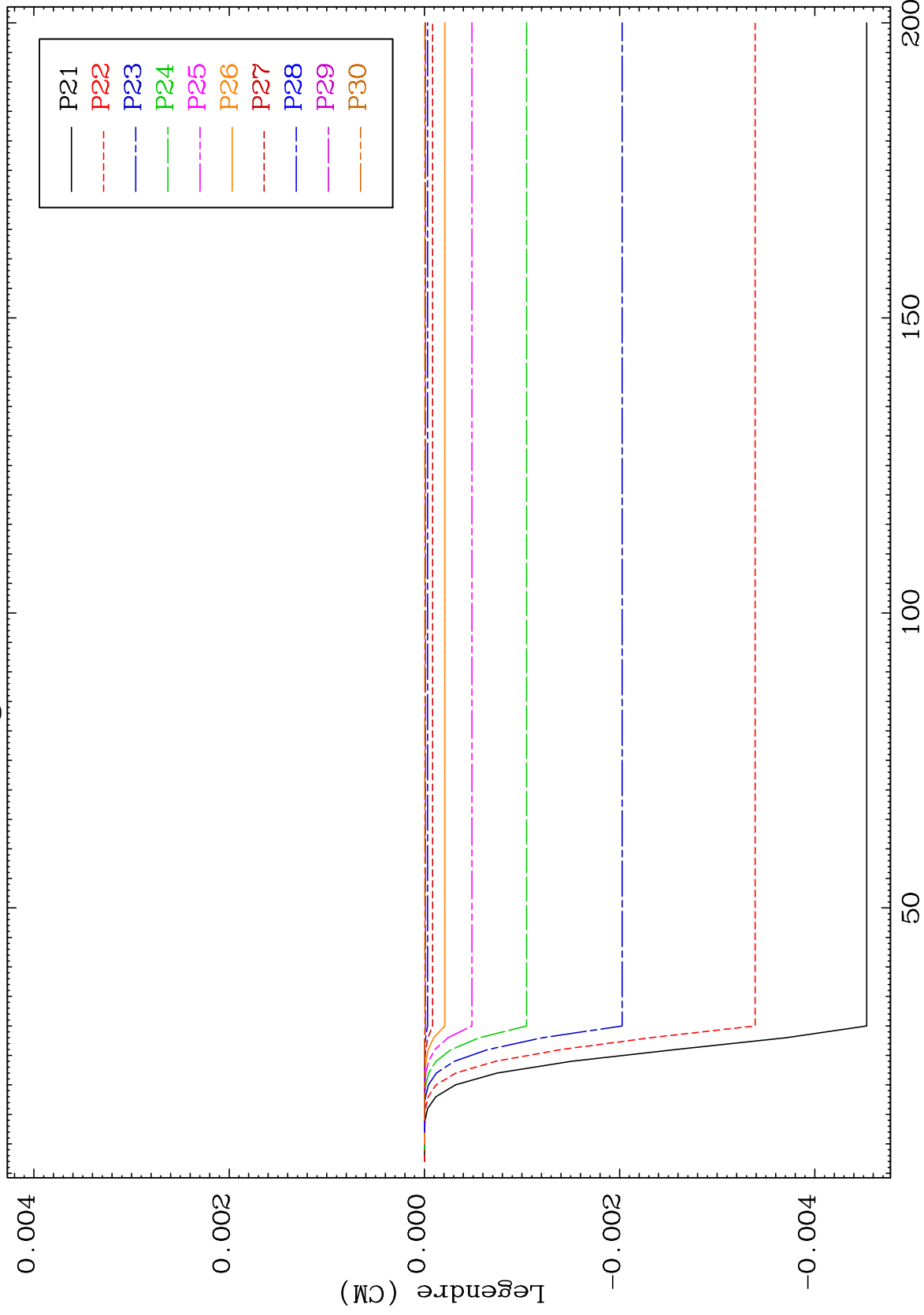
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

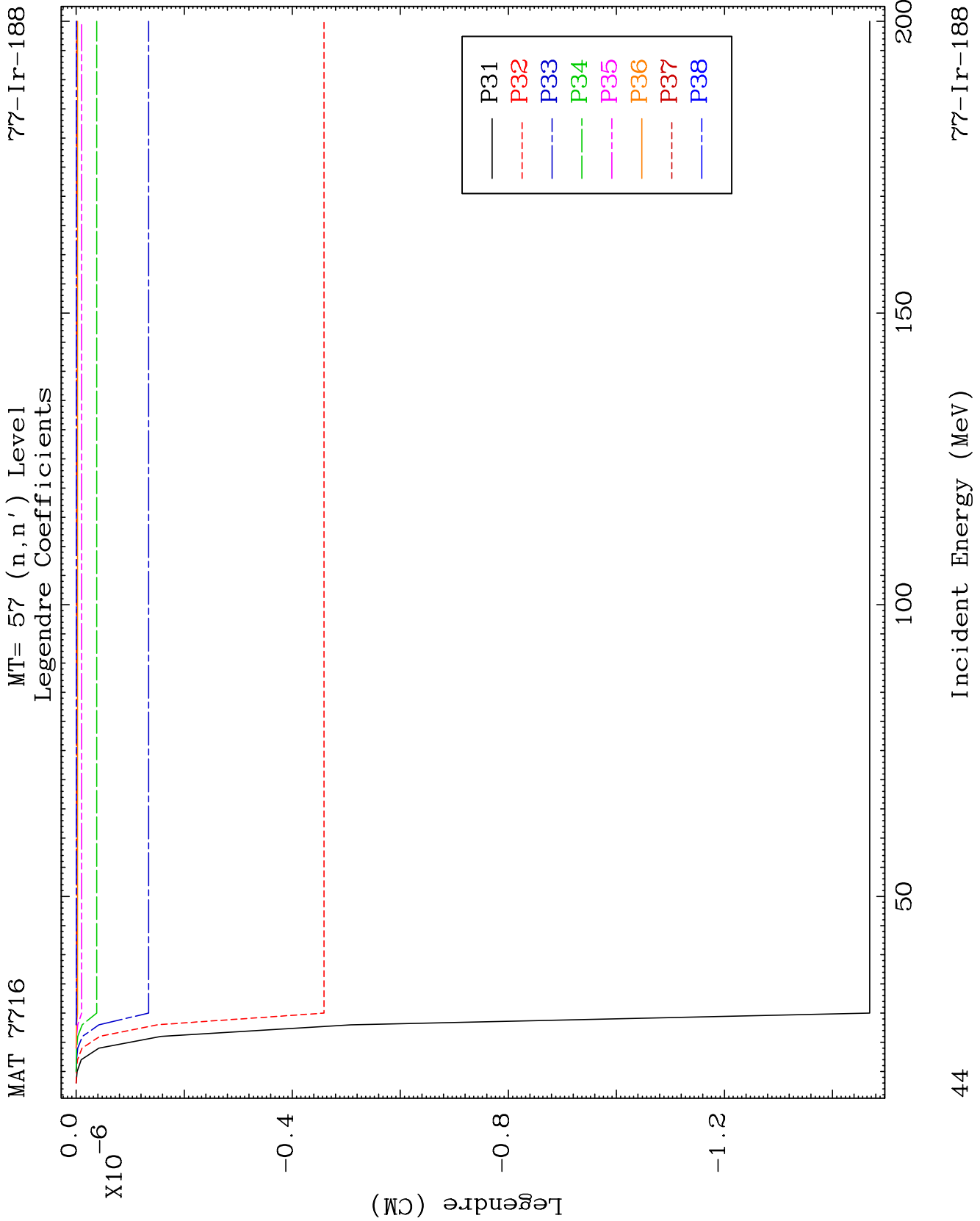
77-Ir-188

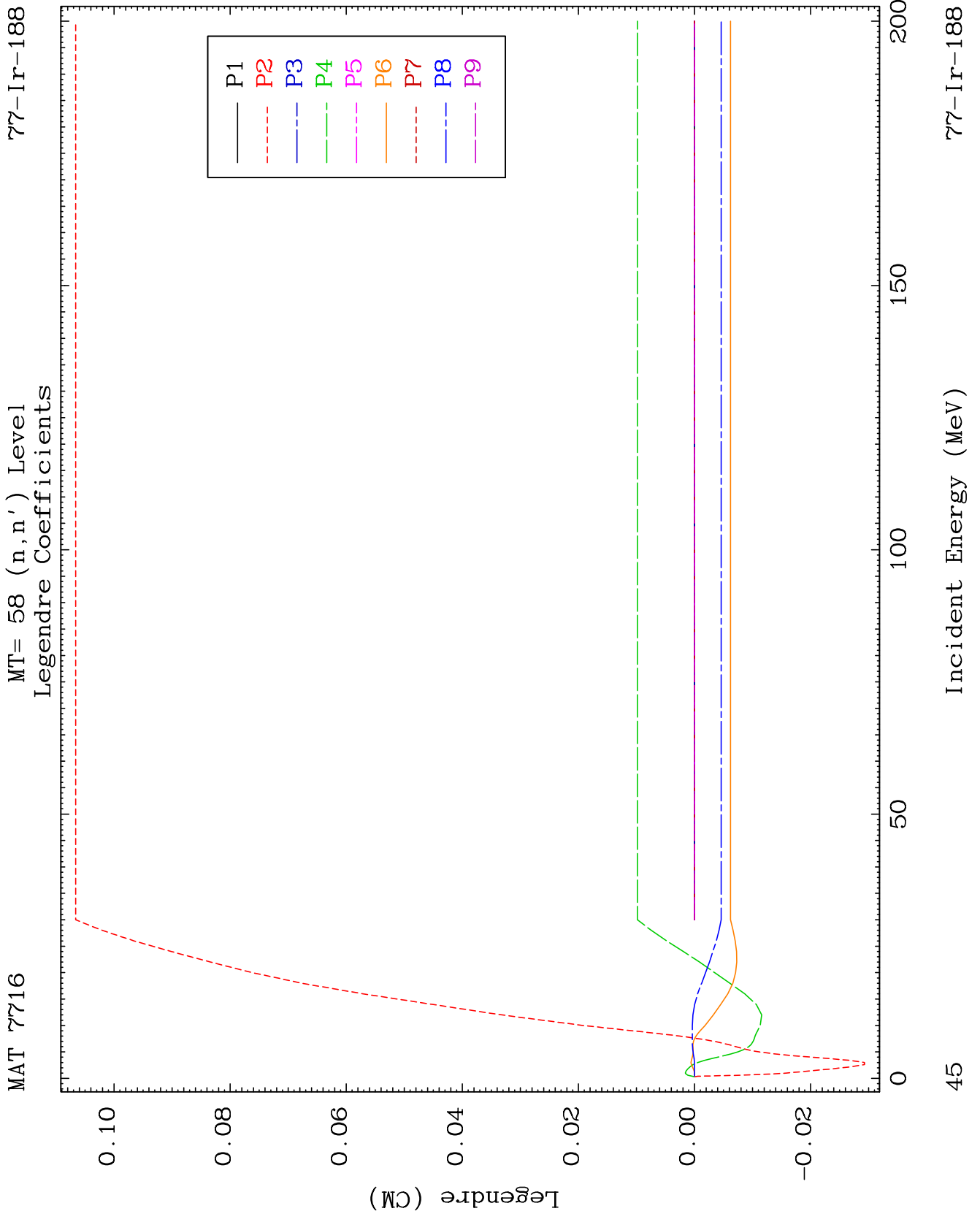


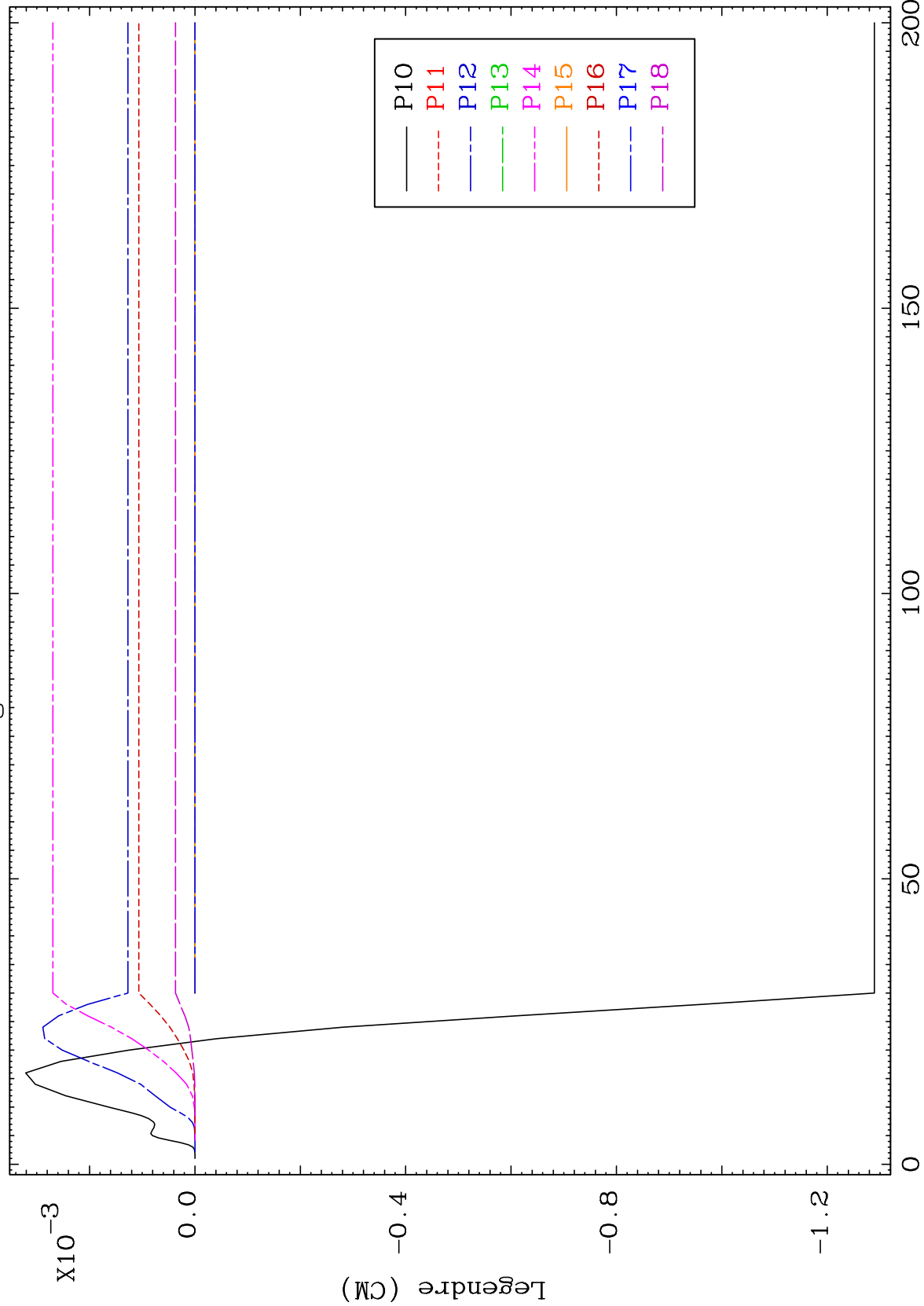
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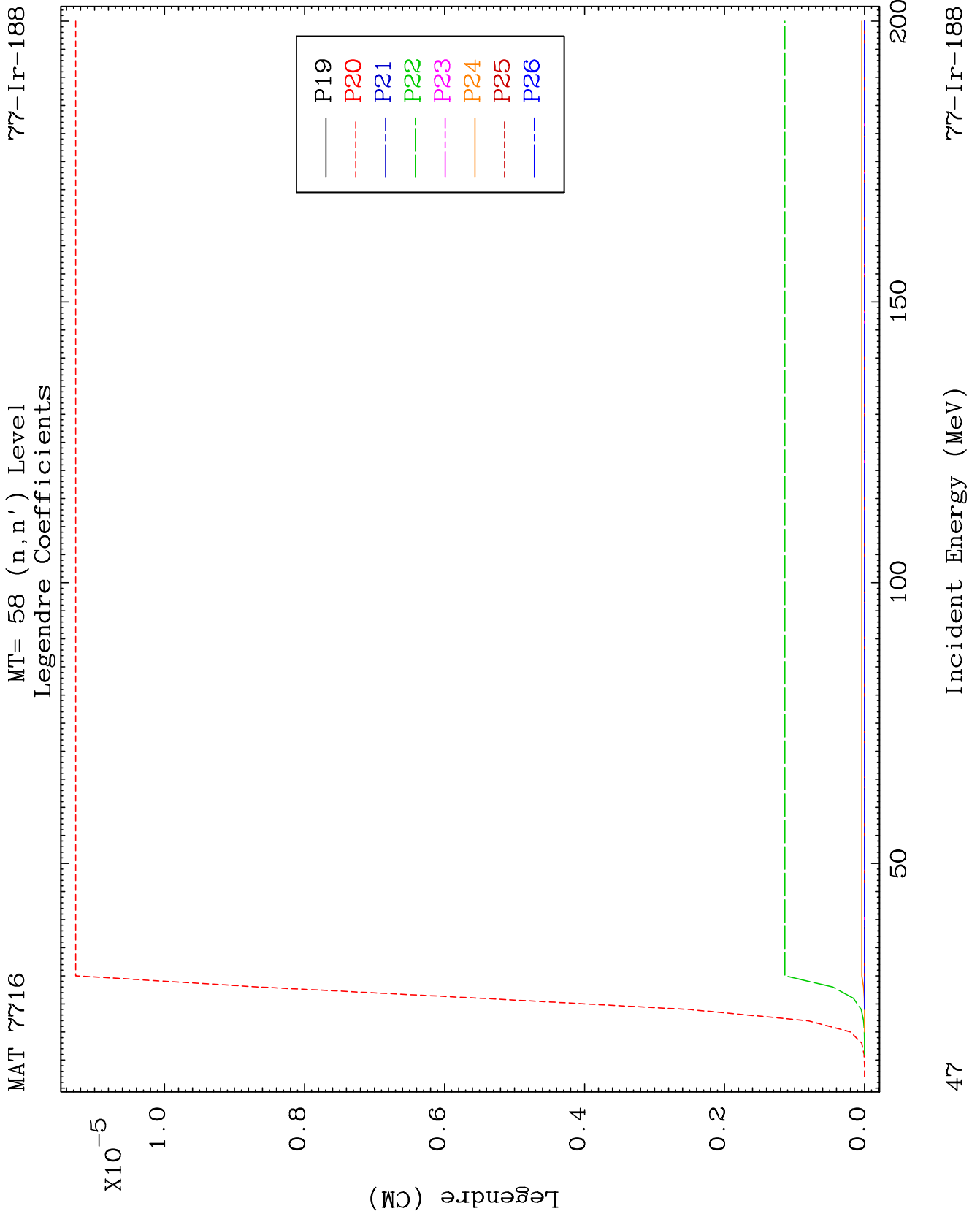
Incident Energy (MeV)

77-Ir-188







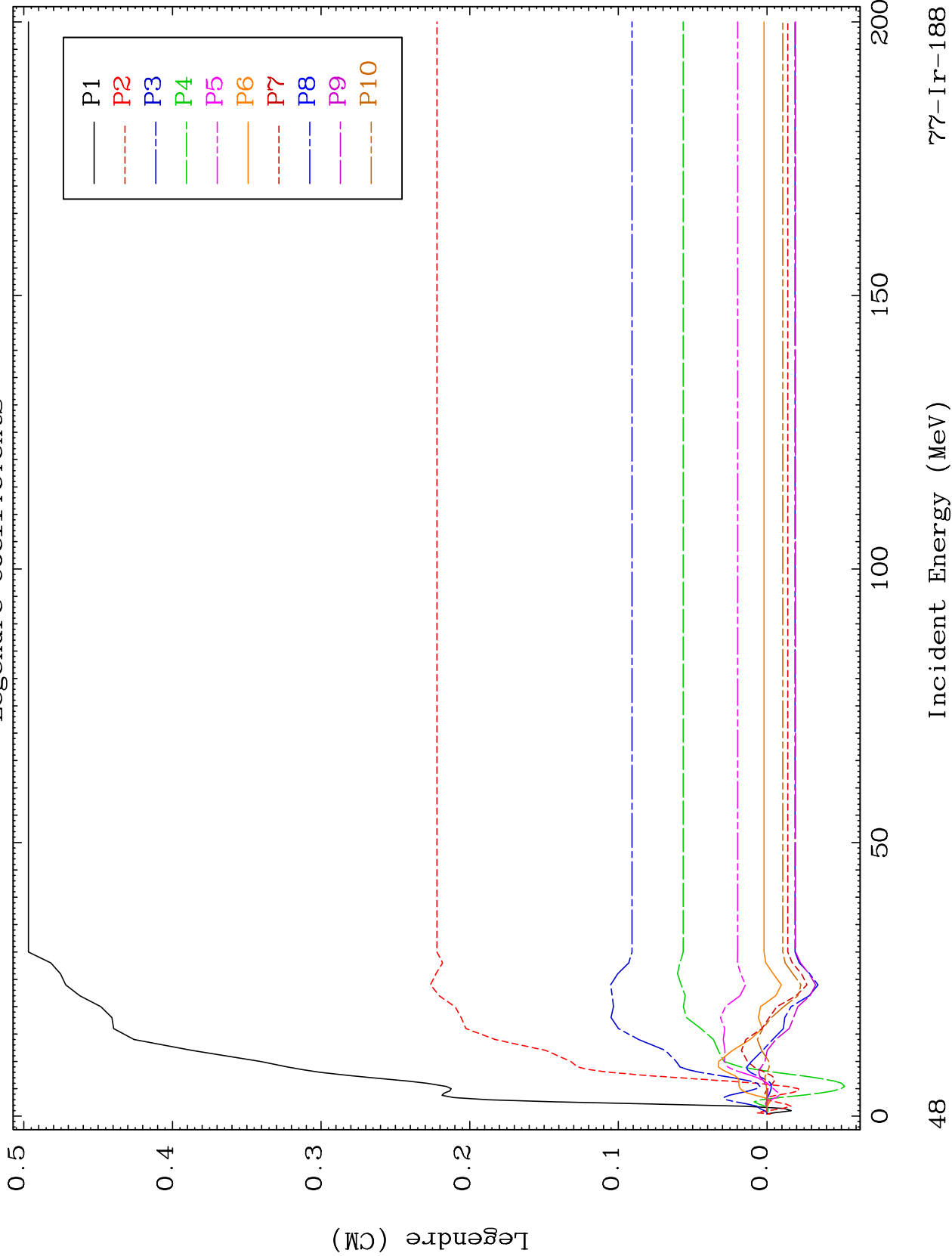


MAT 7716

MT= 59 (n,n') Level

77-Ir-188

Legendre Coefficients



48

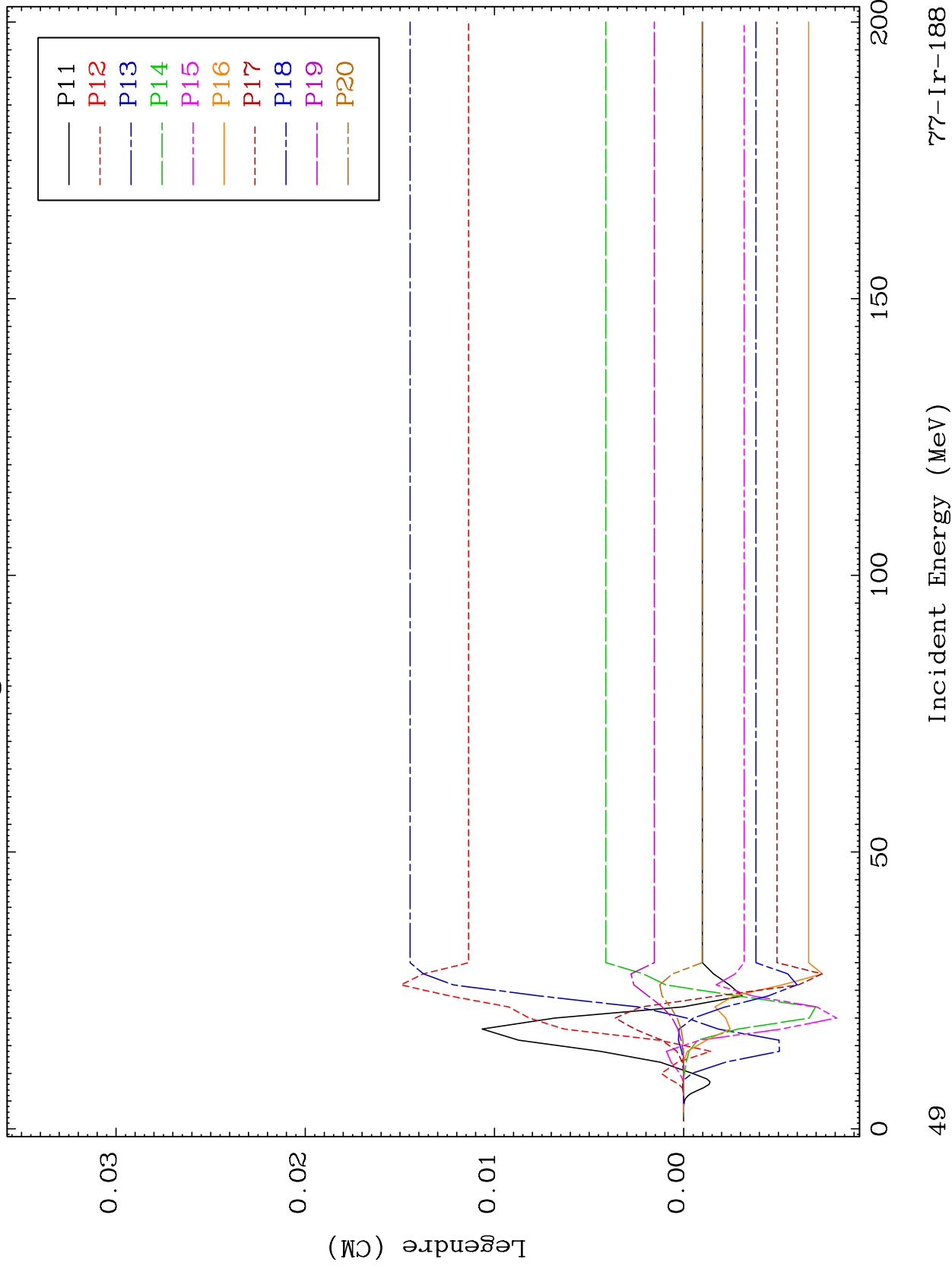
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



77-Ir-188

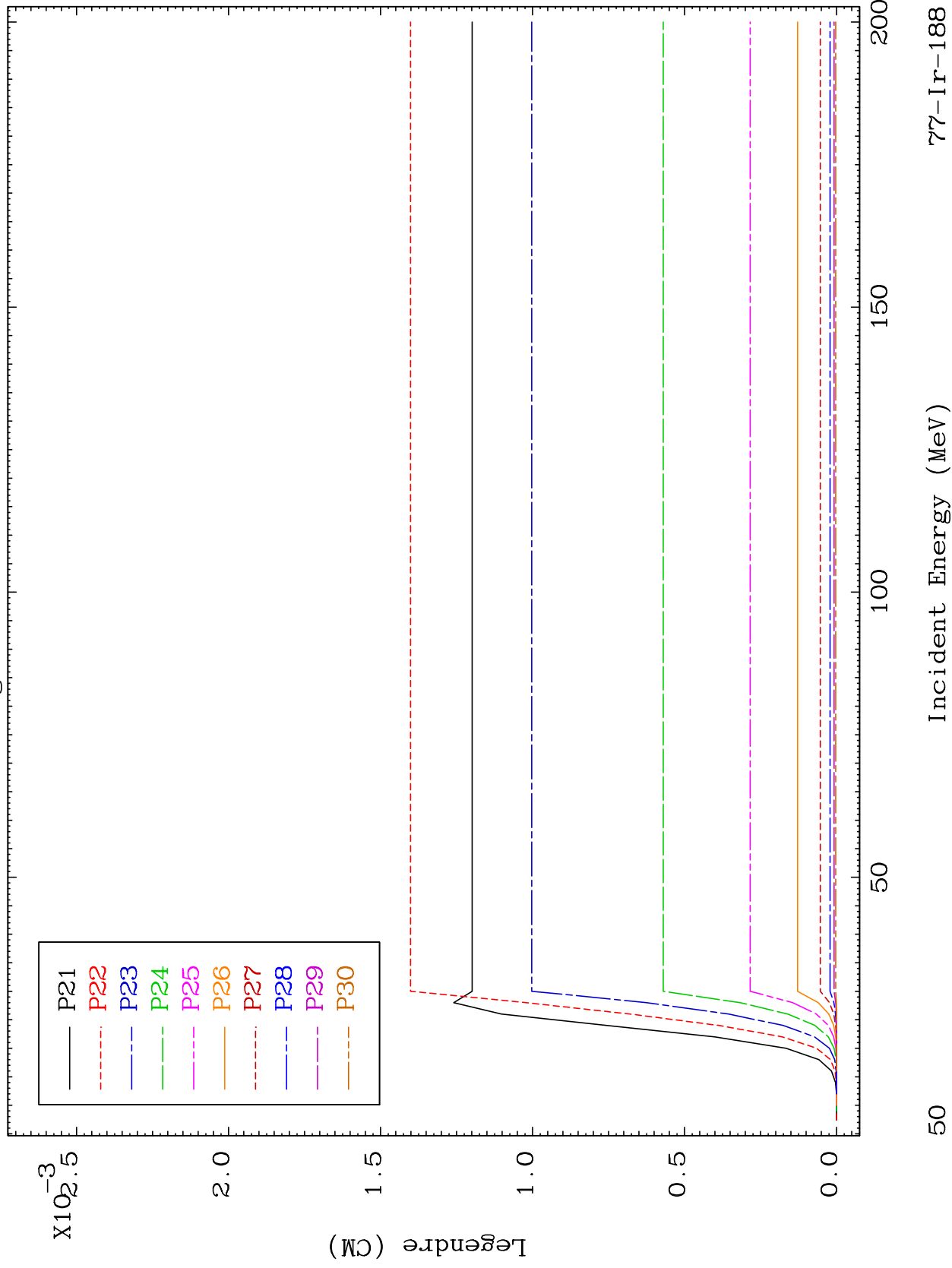
Incident Energy (MeV)

49

MAT 7716

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

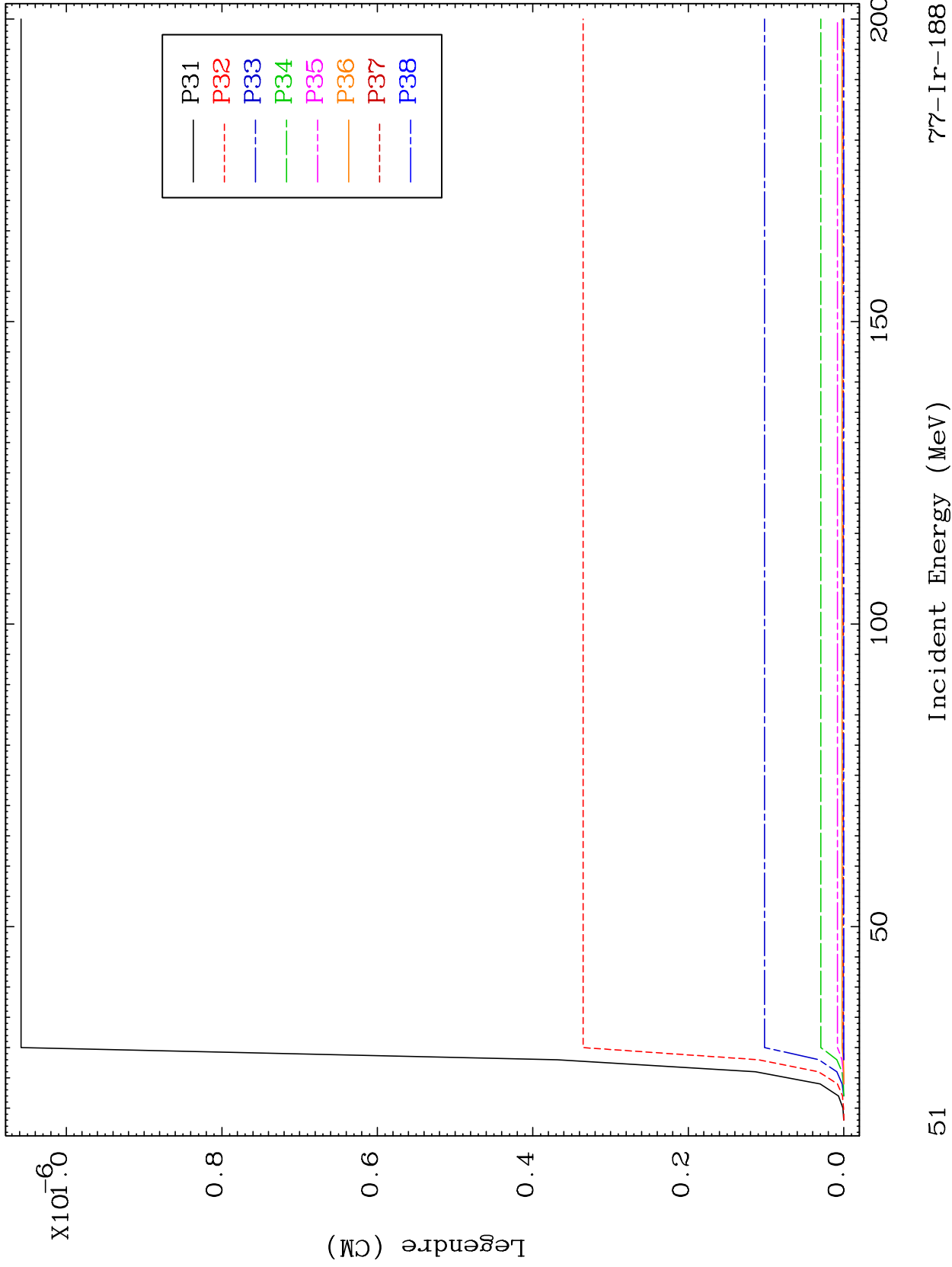
77-Ir-188



MAT 7716

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

77-Ir-188



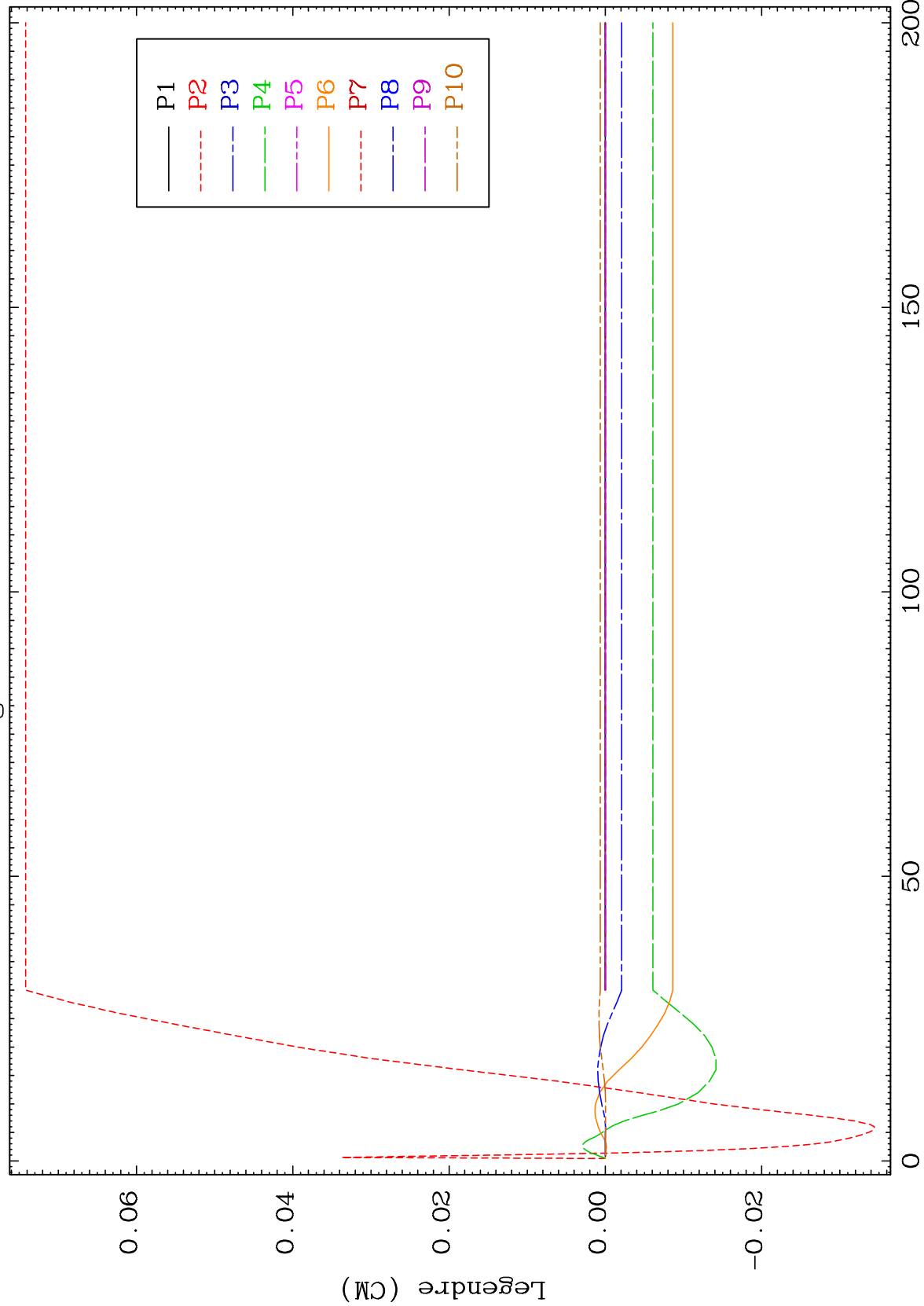
51

77-Ir-188

MAT 7716

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

77-Ir-188



77-Ir-188

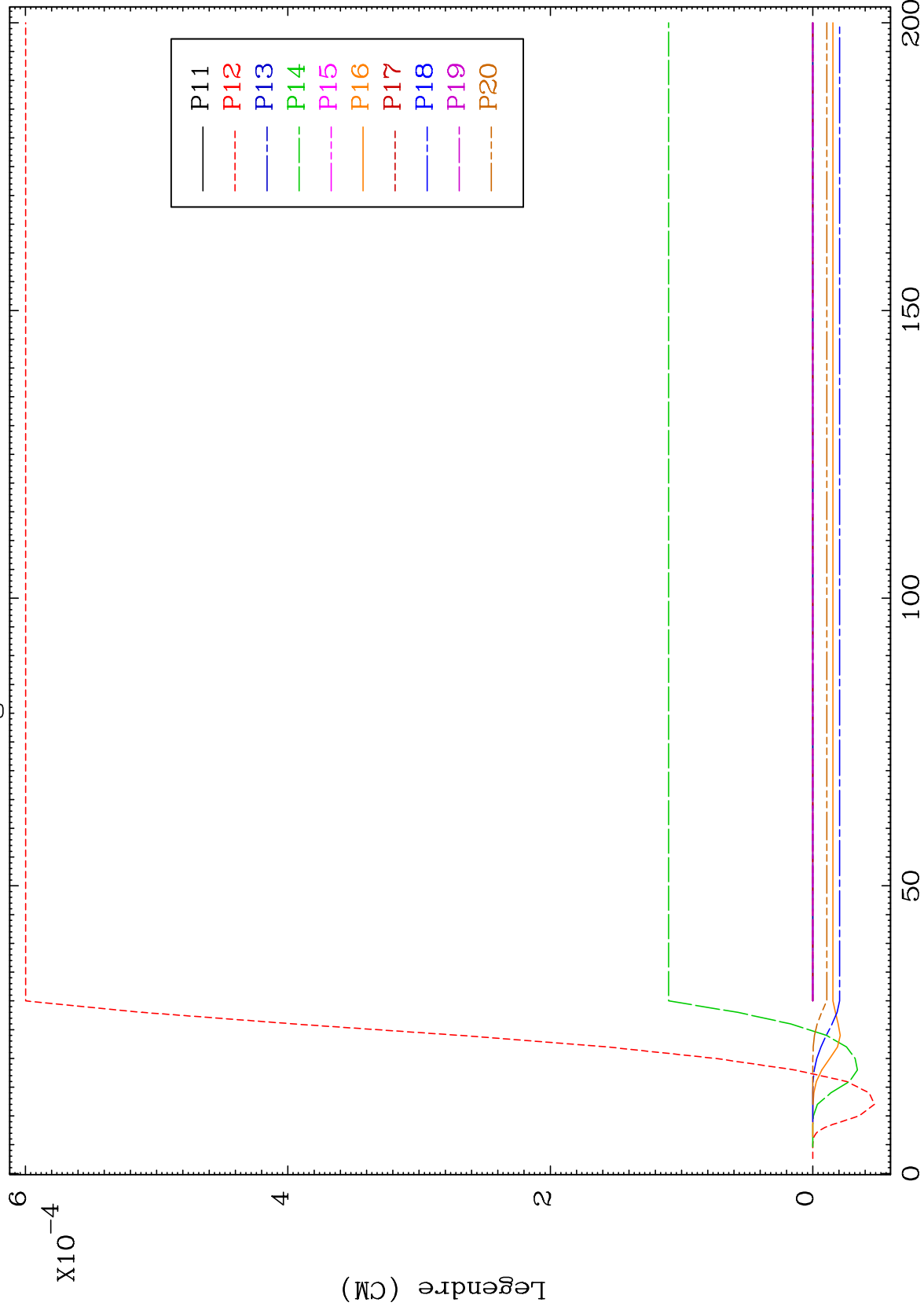
Incident Energy (MeV)

52

MAT 7716

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

77-Ir-188



53

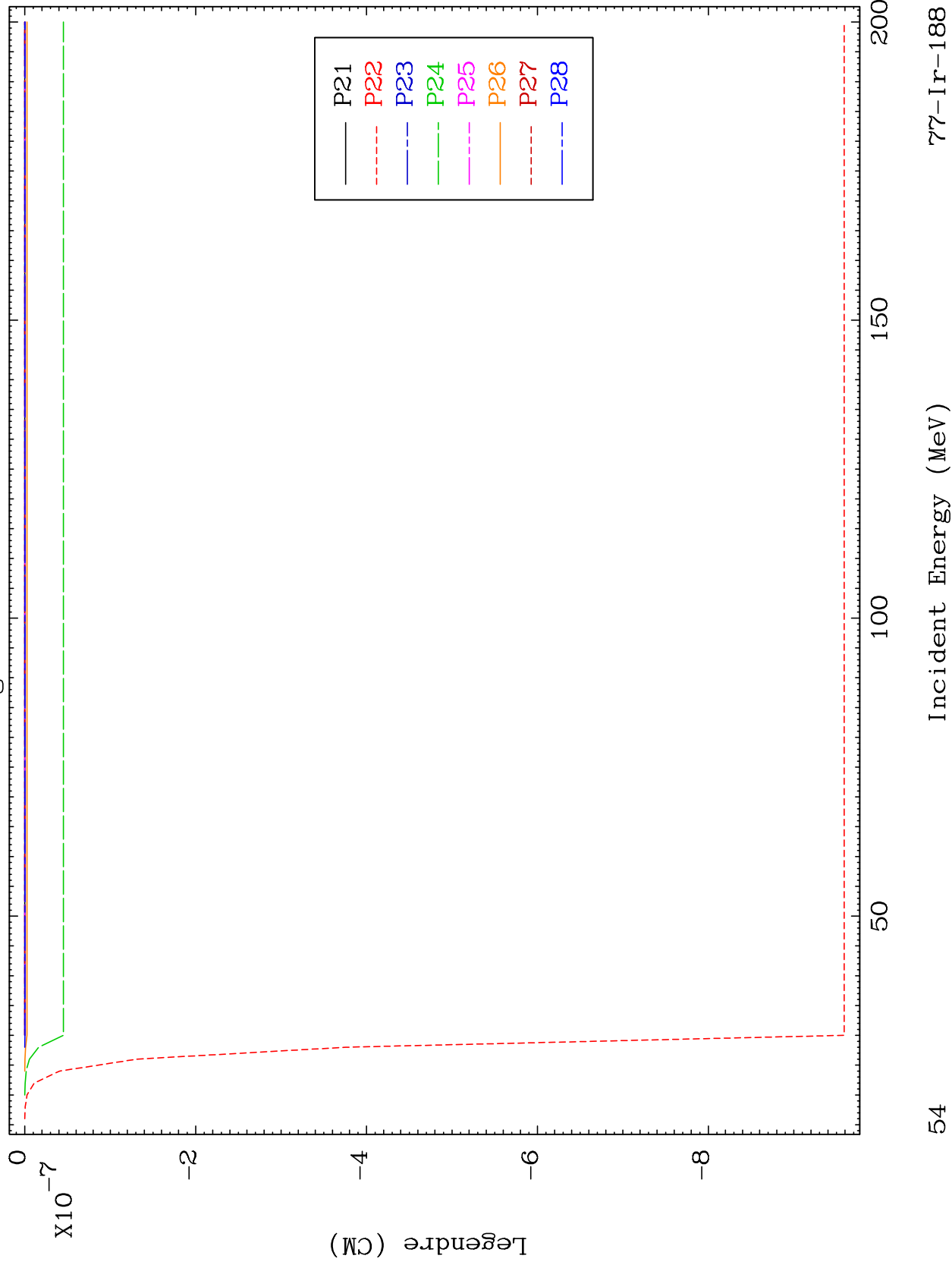
Incident Energy (MeV)

77-Ir-188

MAT 7716

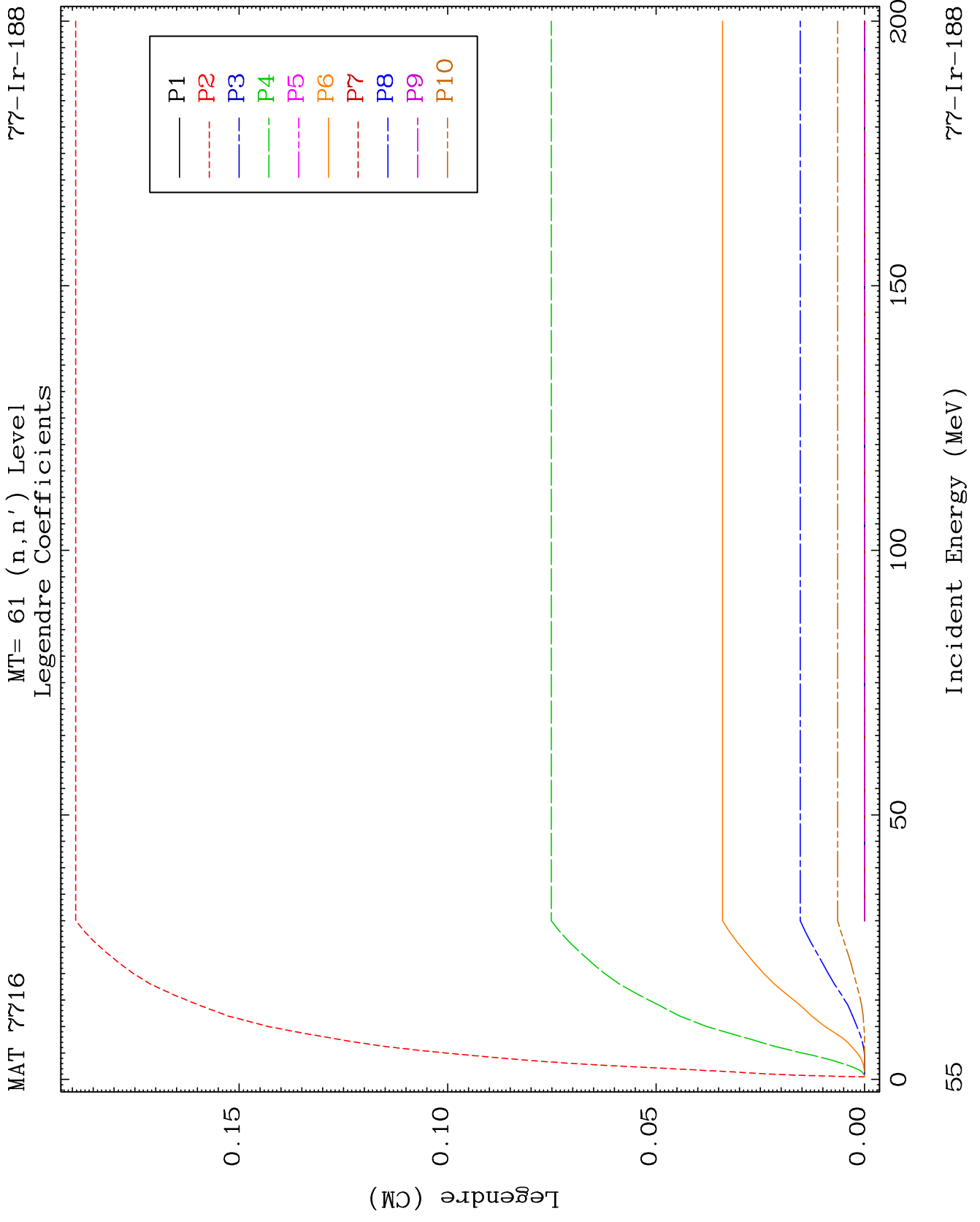
MT= 60 (n,n') Level
Legendre Coefficients

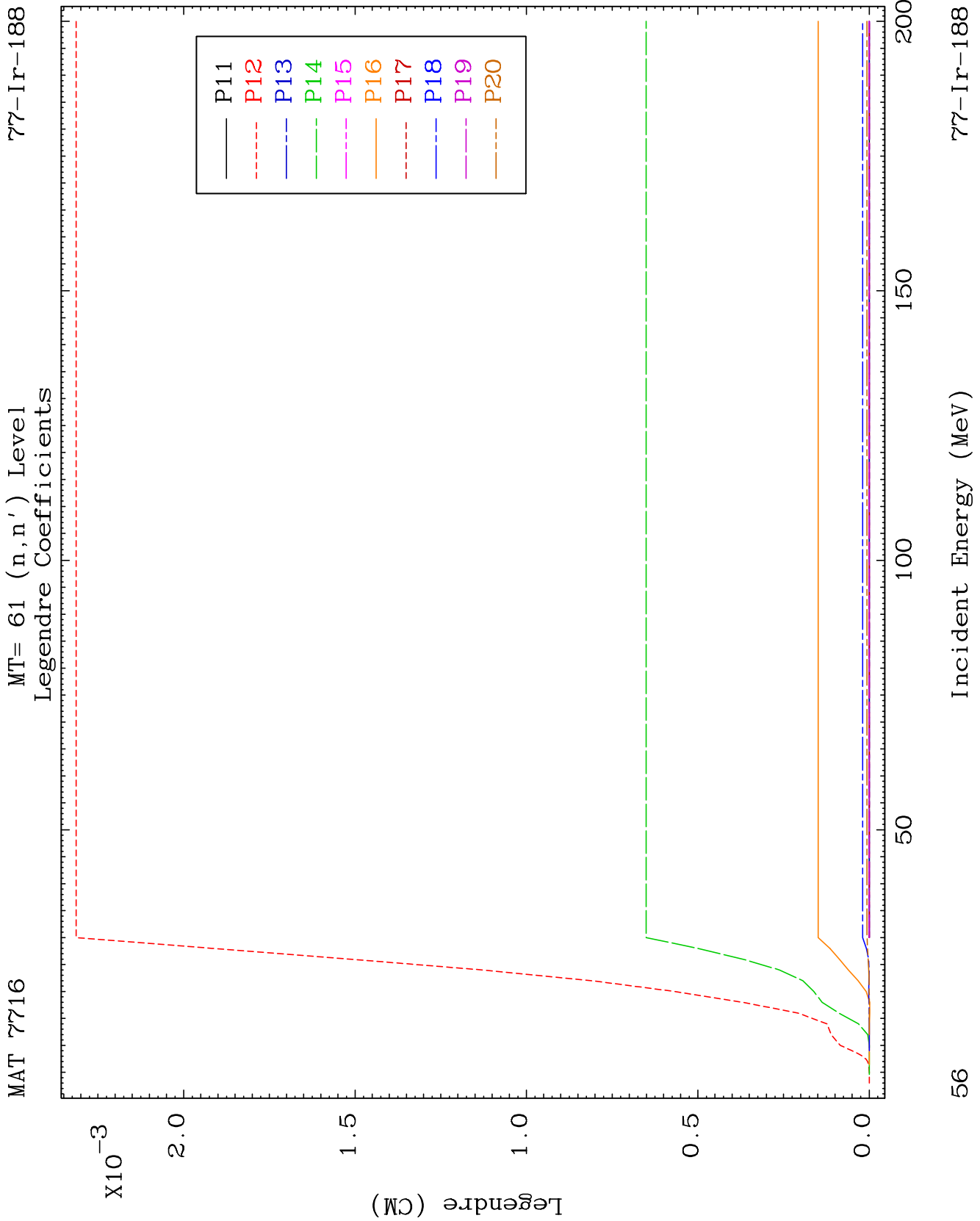
77-Ir-188

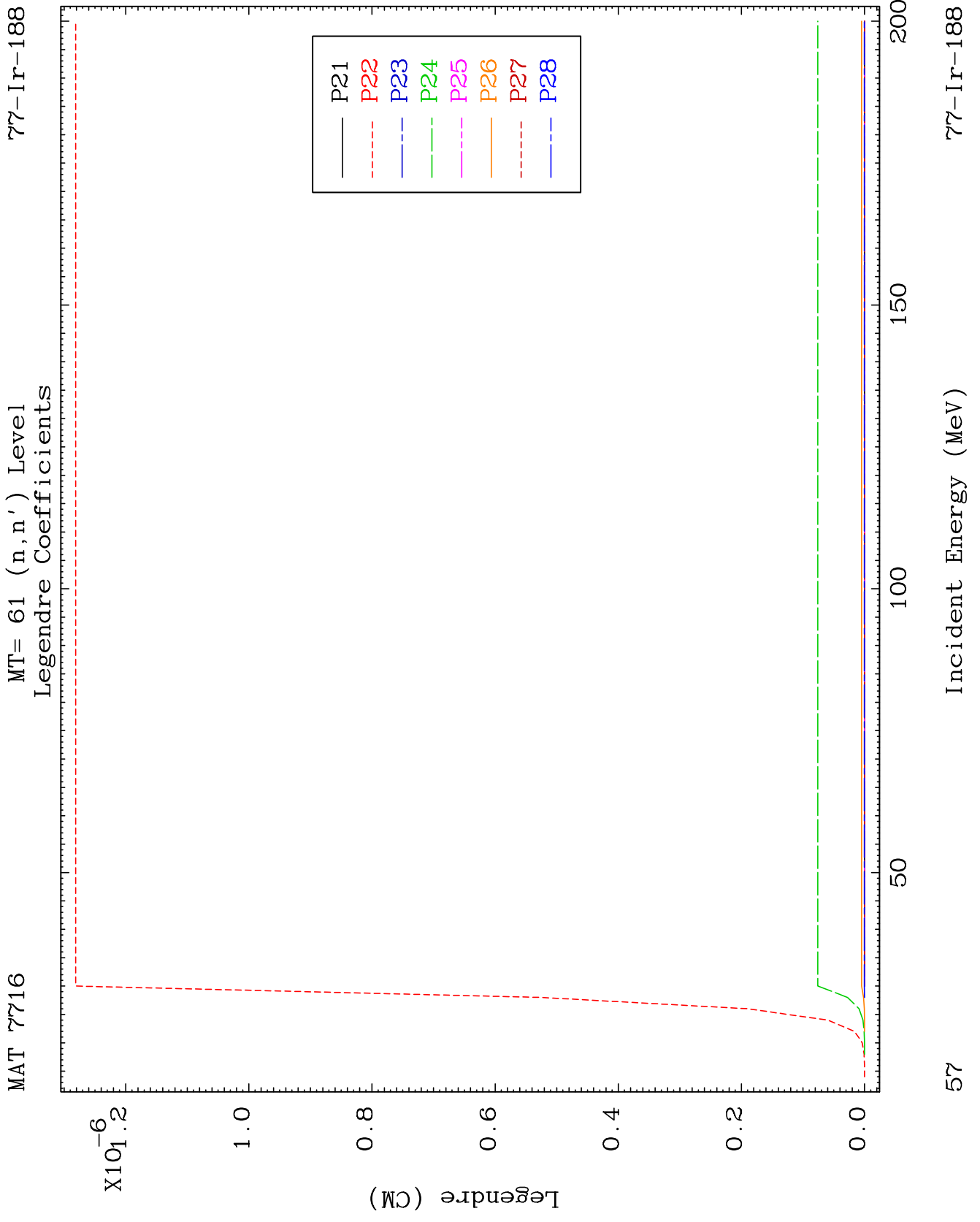


54

77-Ir-188



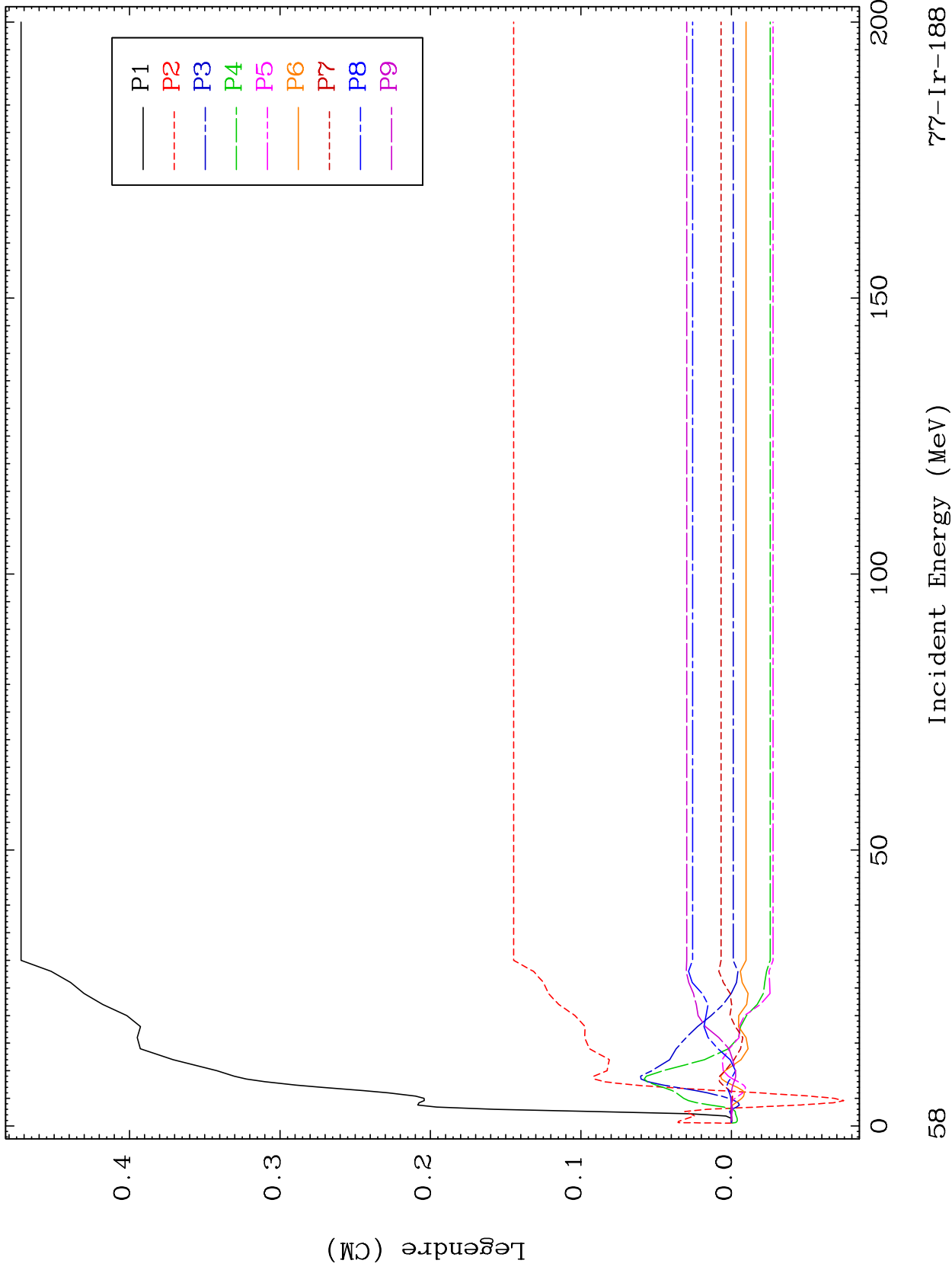




MAT 7716

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

77-Ir-188



77-Ir-188

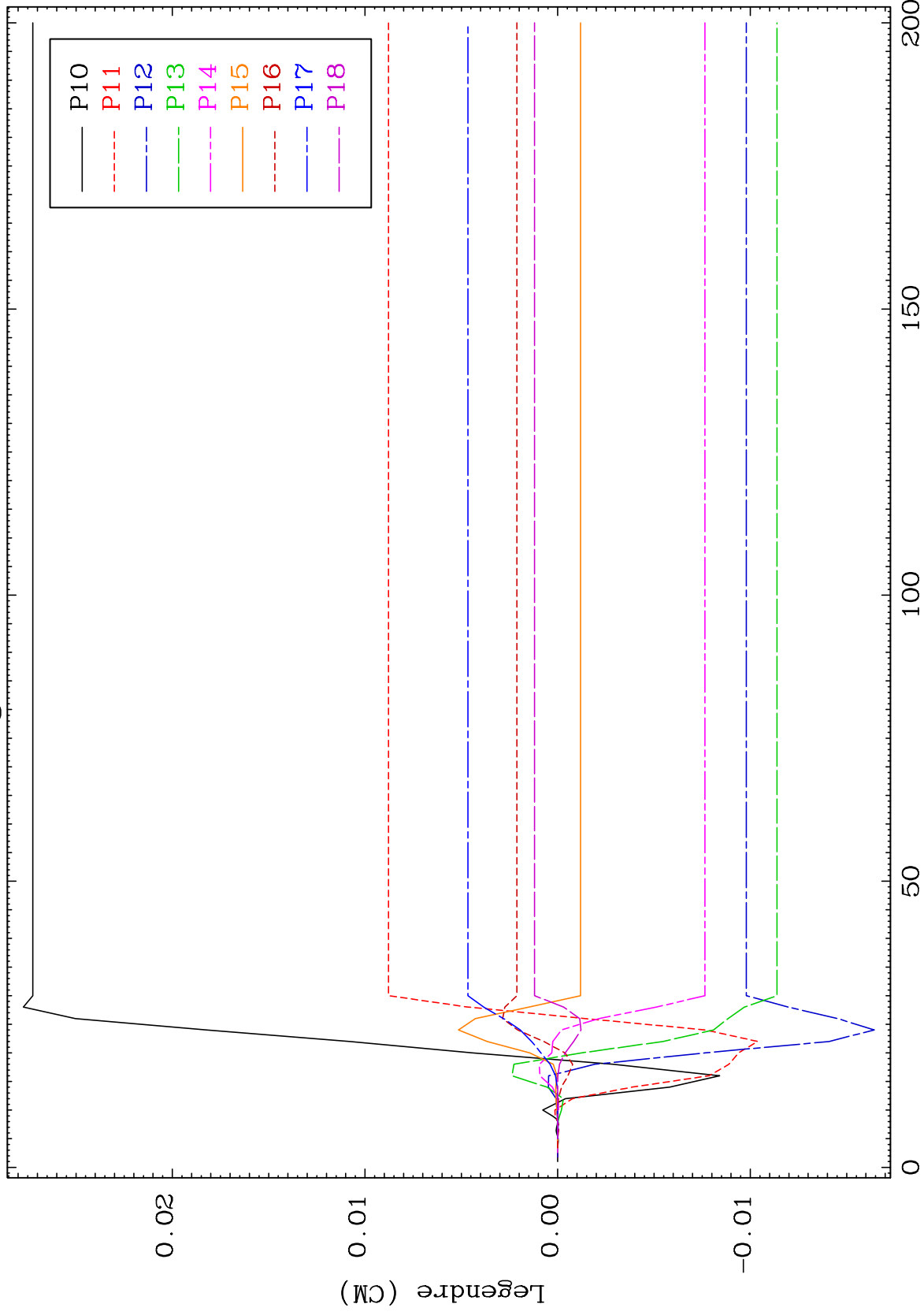
Incident Energy (MeV)

58

MAT 7716

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

77-Ir-188



59

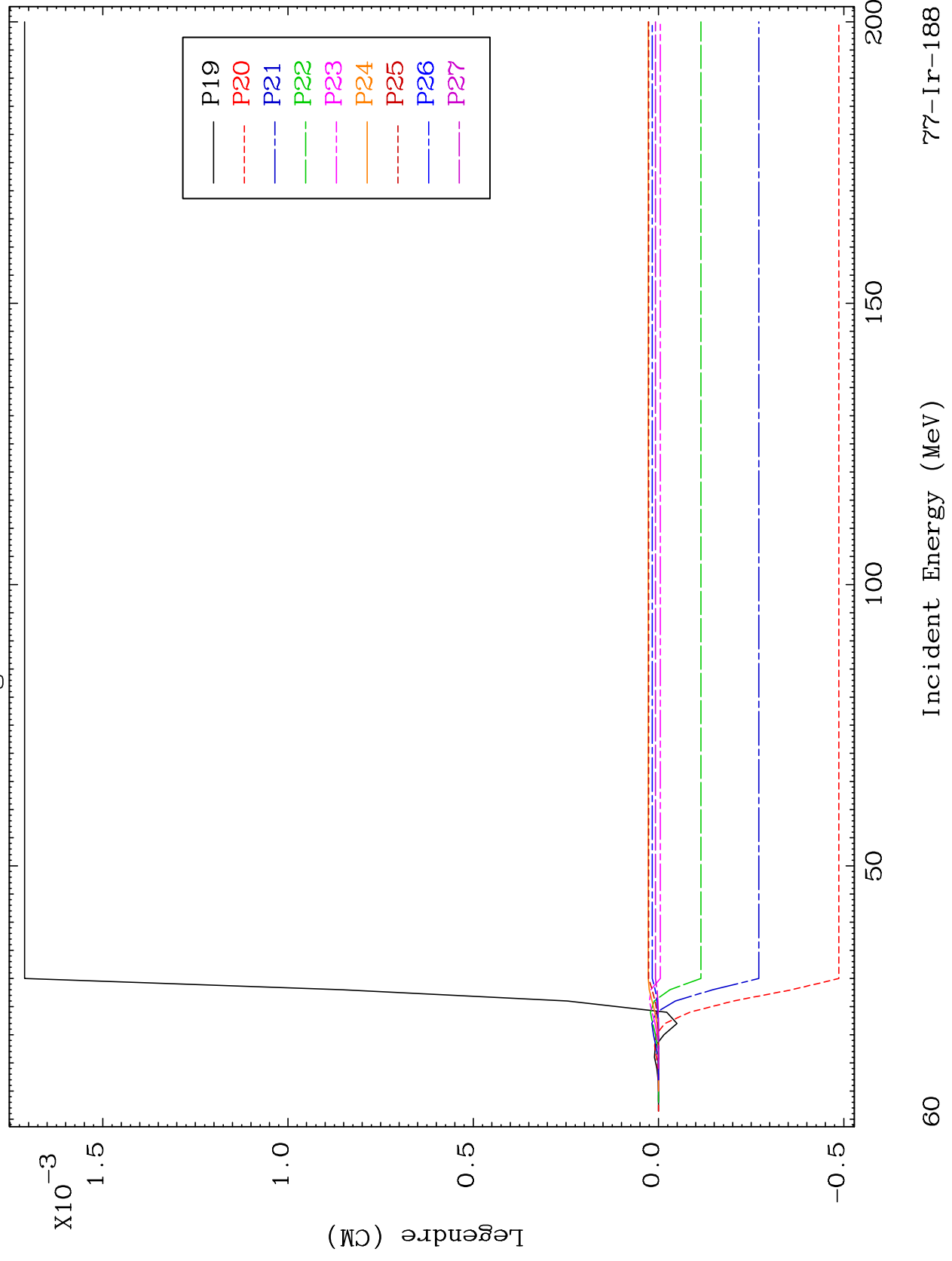
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



77-Ir-188

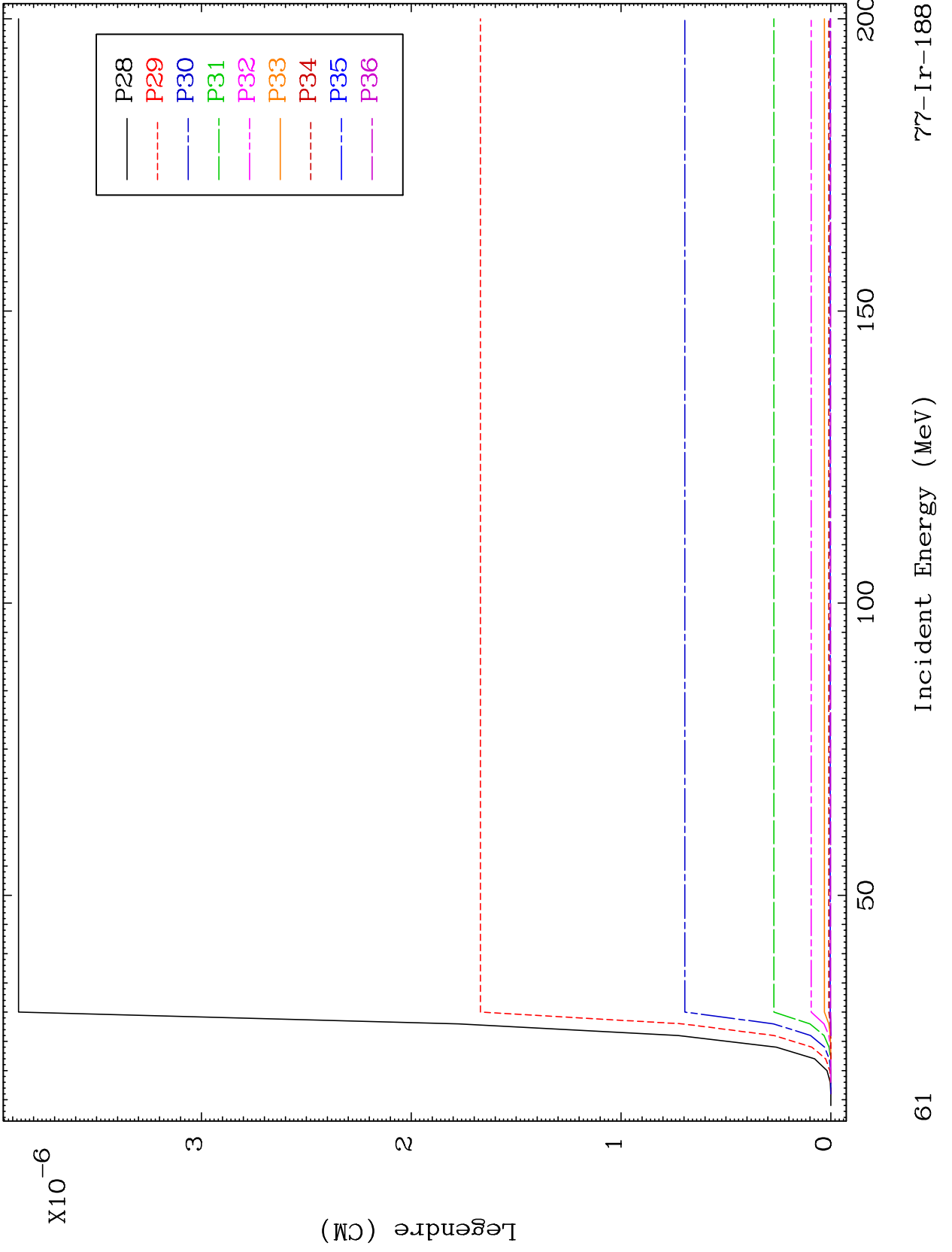
Incident Energy (MeV)

60

MAT 7716

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

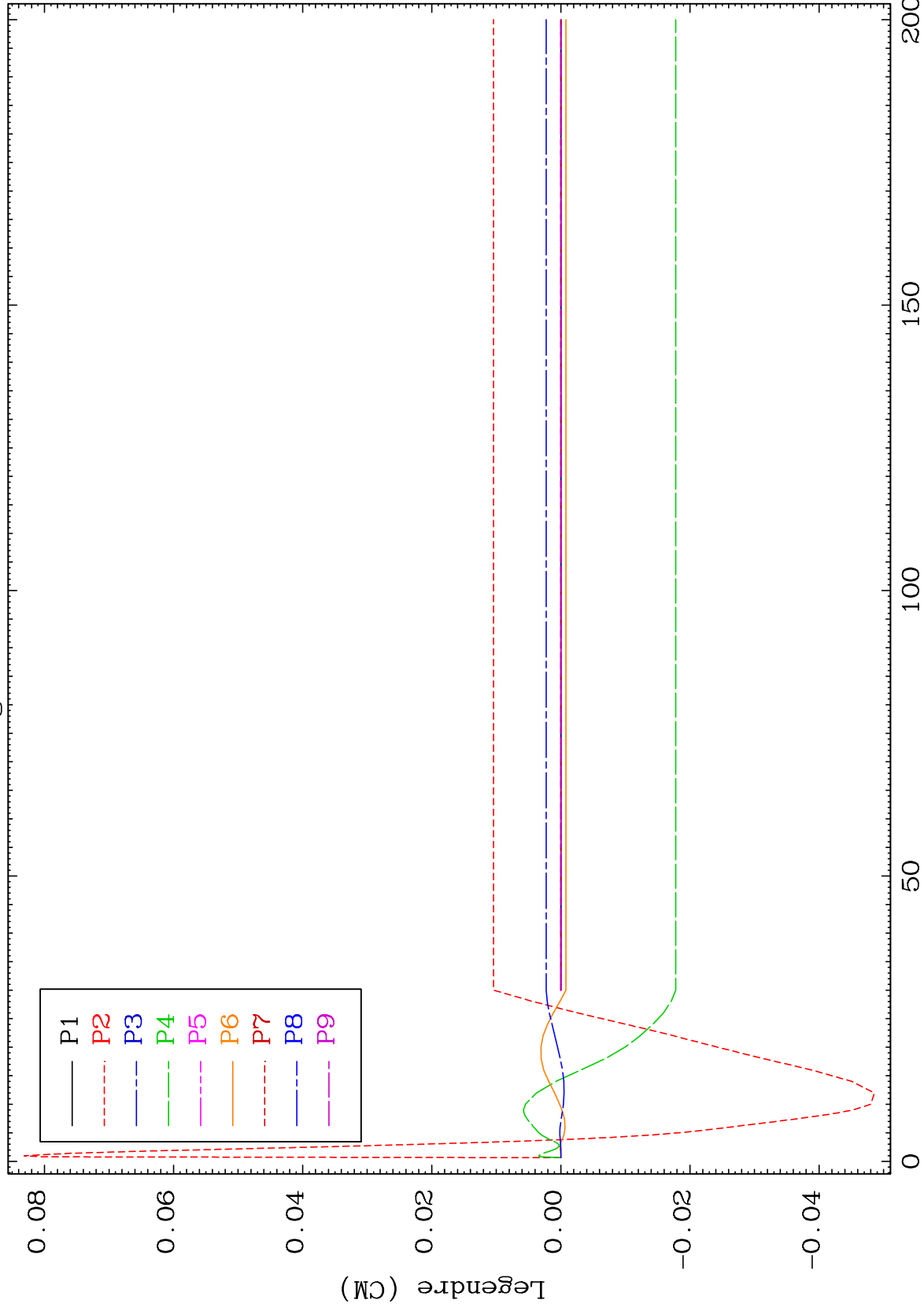
77-Ir-188



MAT 7716

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

77-Ir-188



62

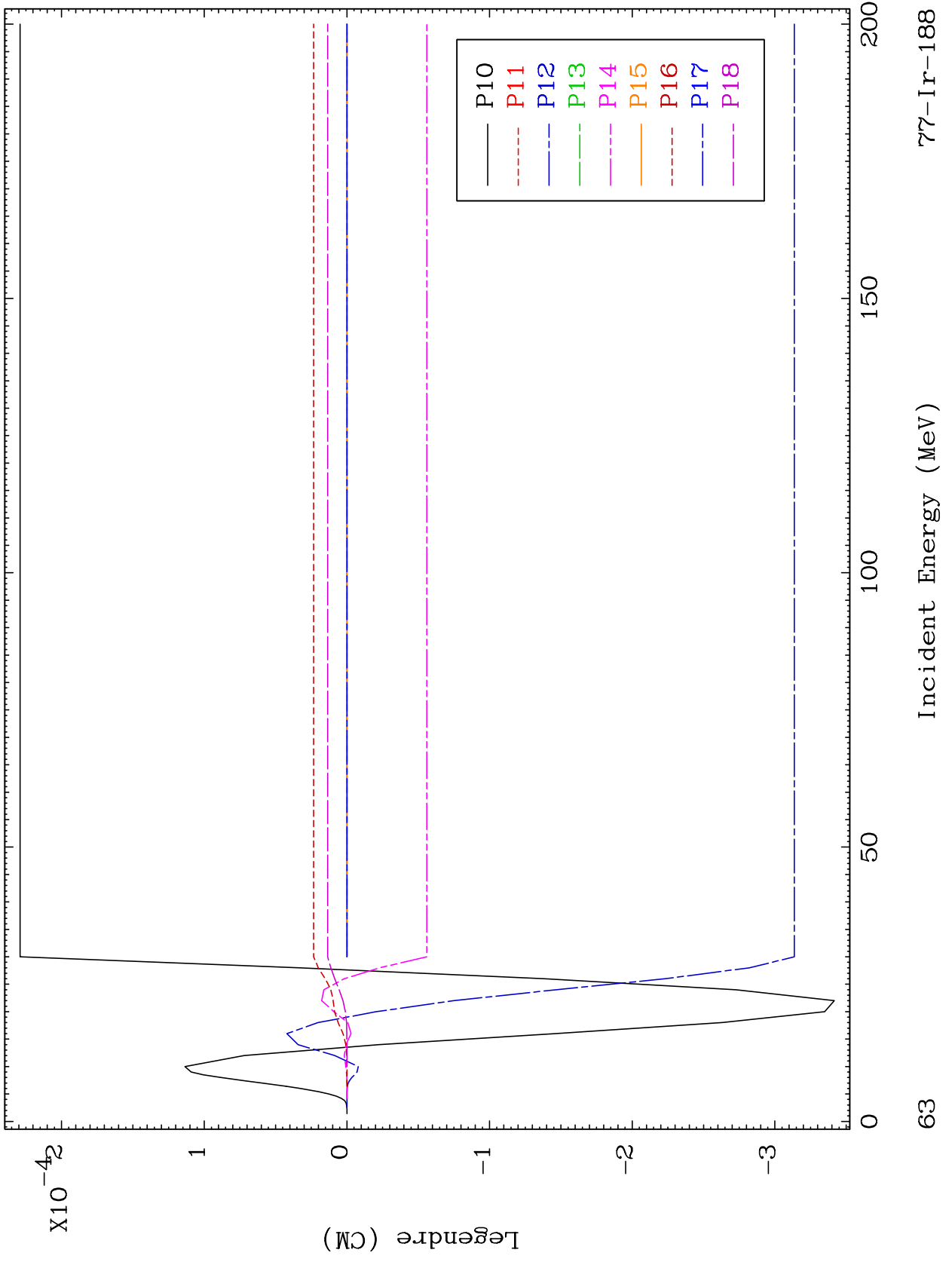
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



77-Ir-188

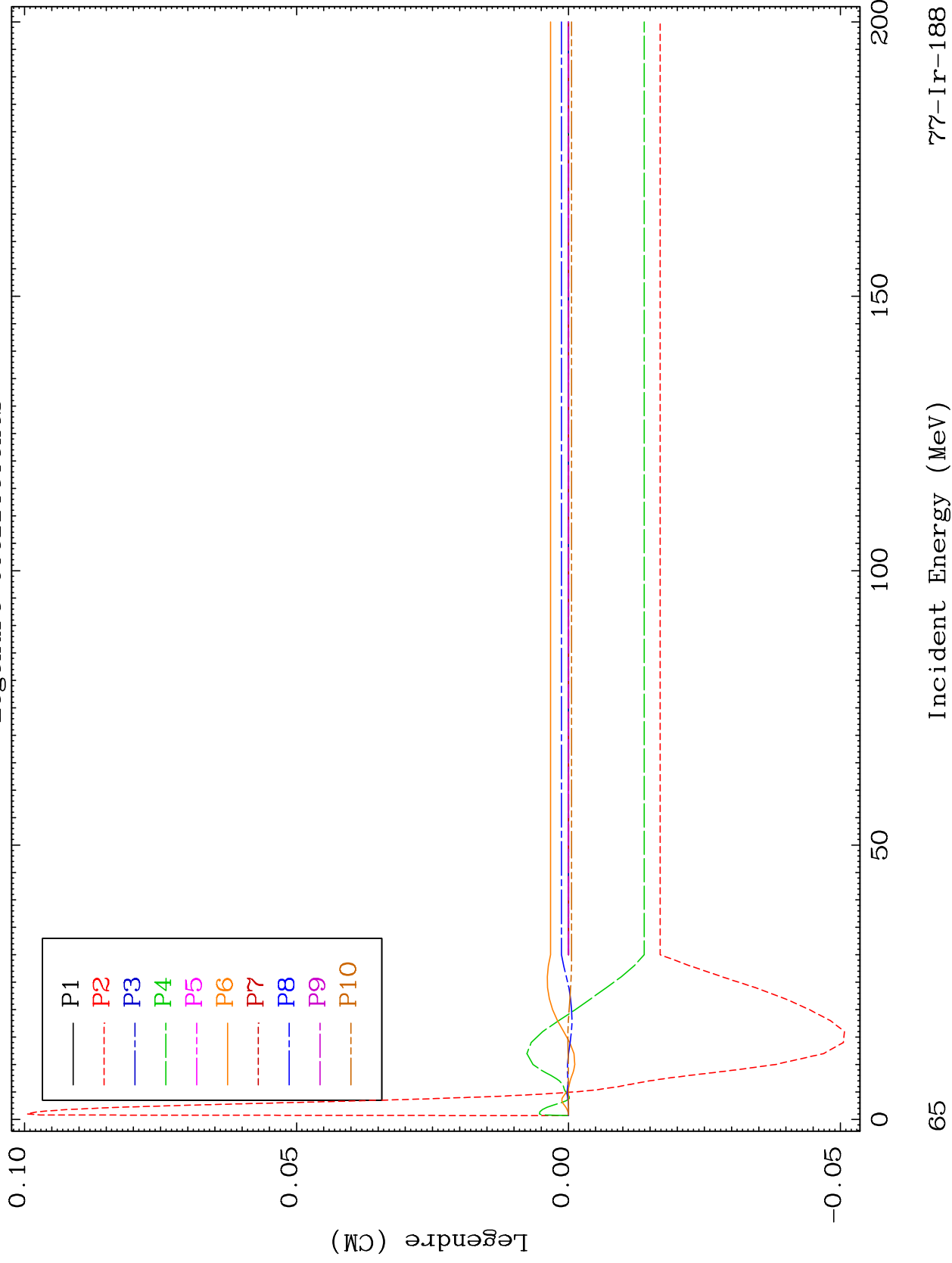
Incident Energy (MeV)

63

MAT 7716

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

77-Ir-188



77-Ir-188

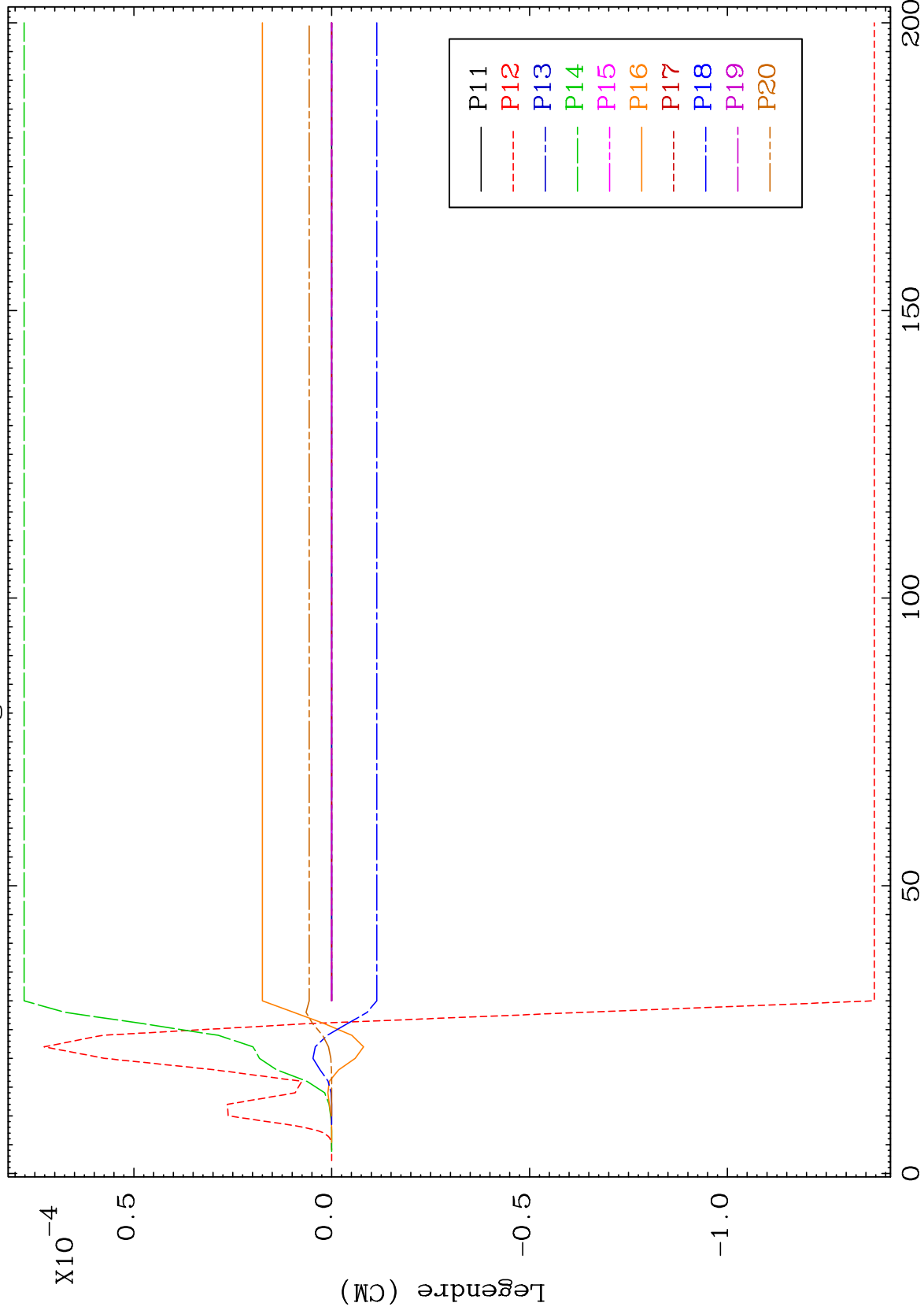
Incident Energy (MeV)

65

MAT 7716

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

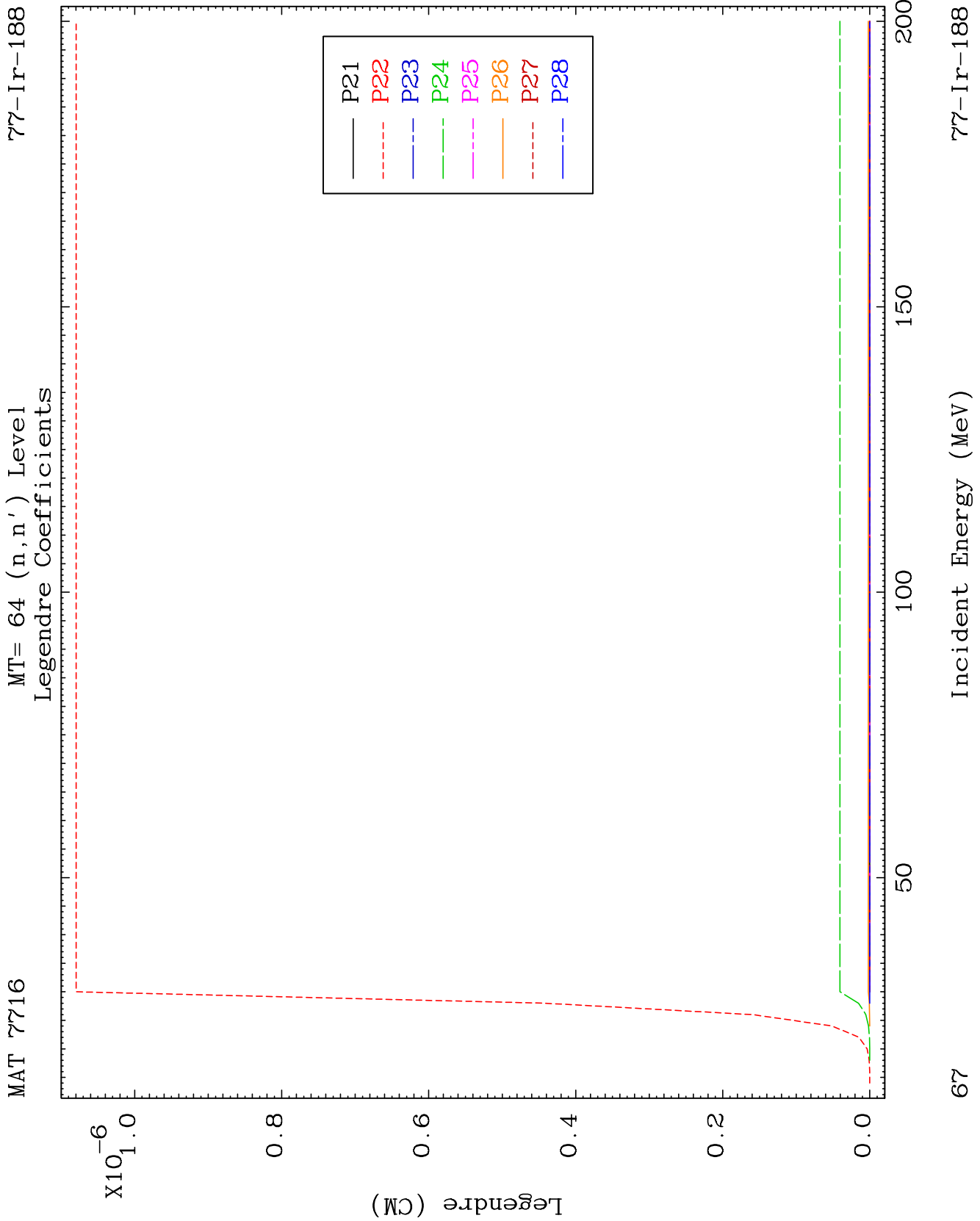
77-Ir-188



66

Incident Energy (MeV)

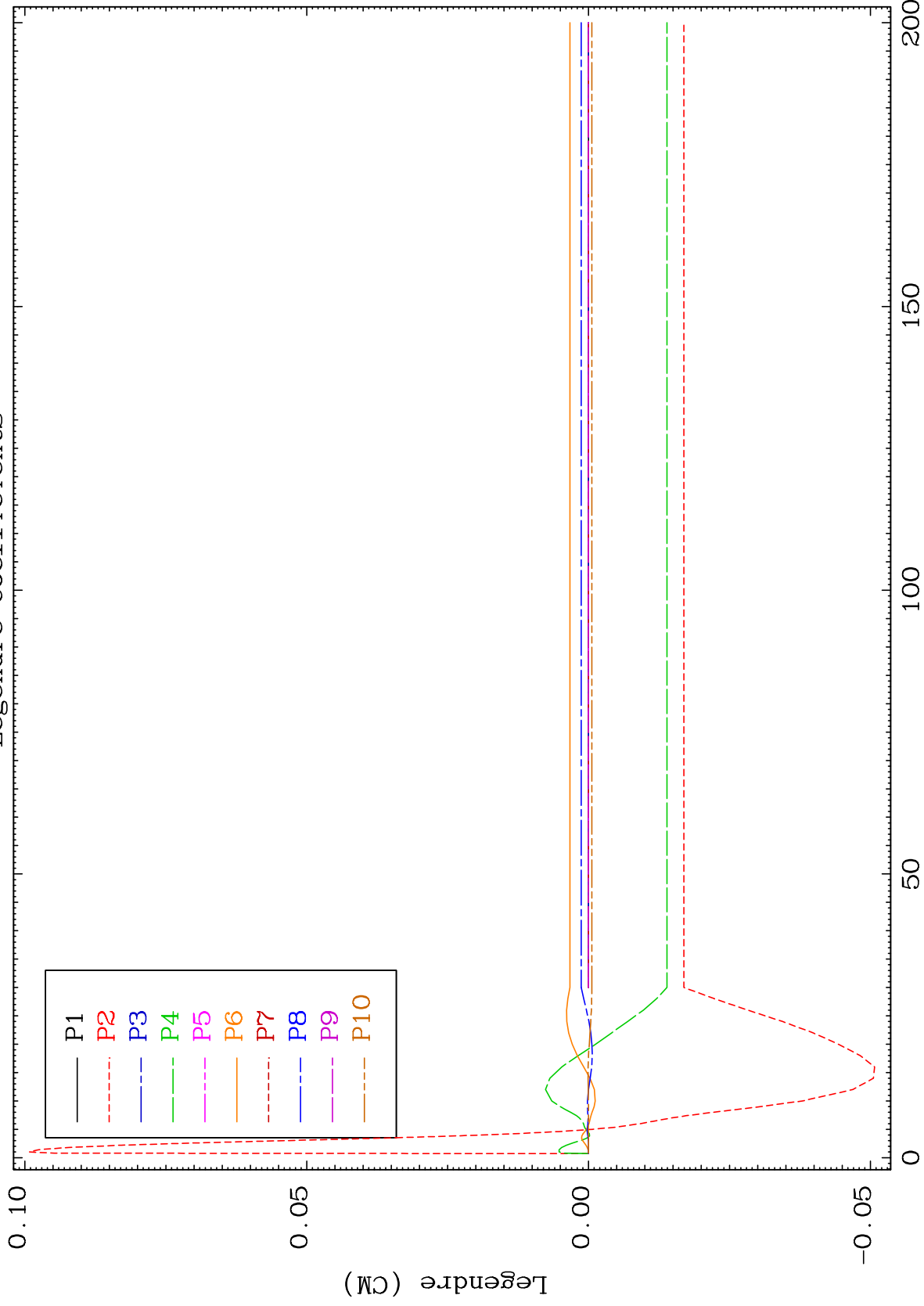
77-Ir-188



MAT 7716

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

77-Ir-188



68

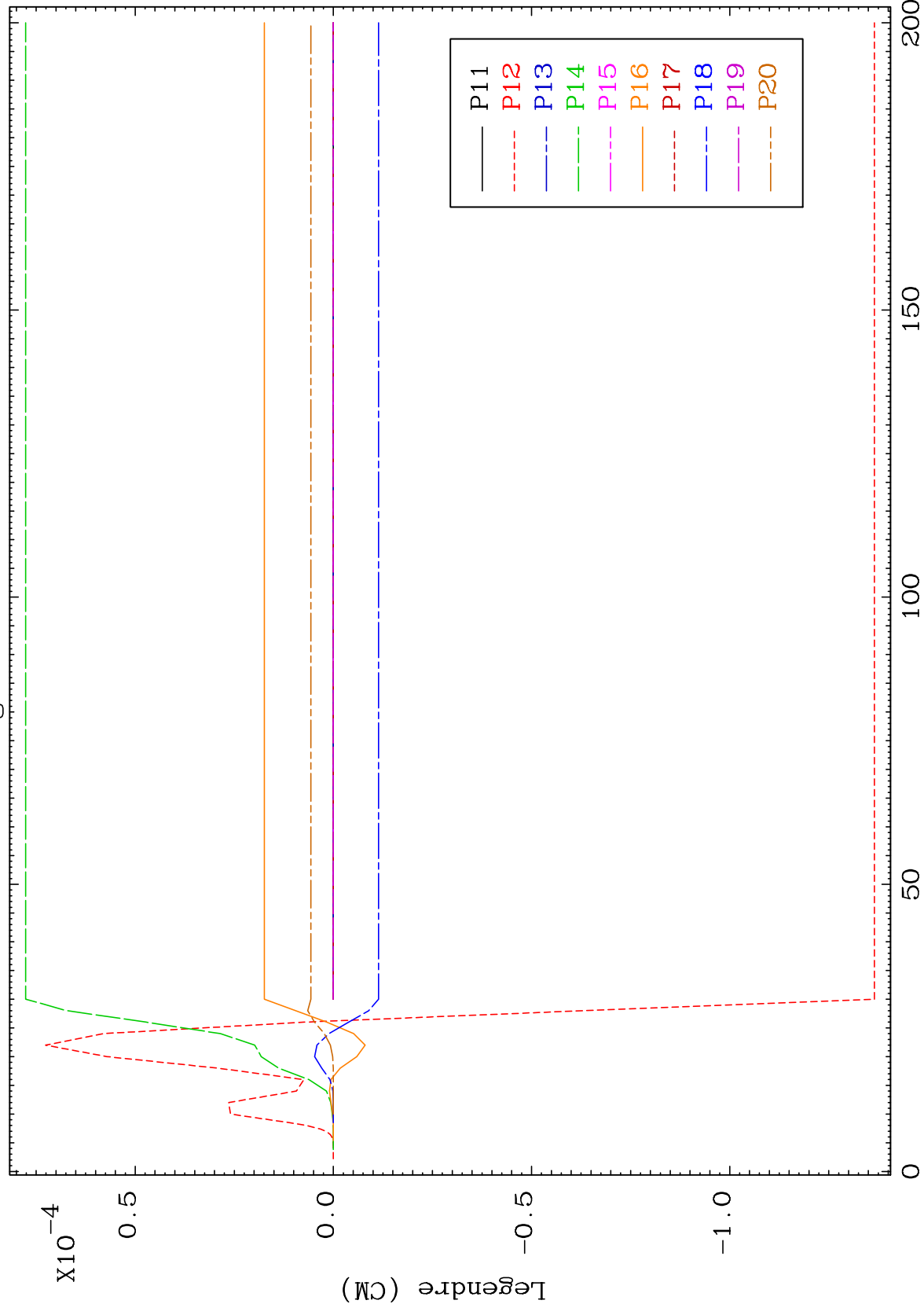
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



69

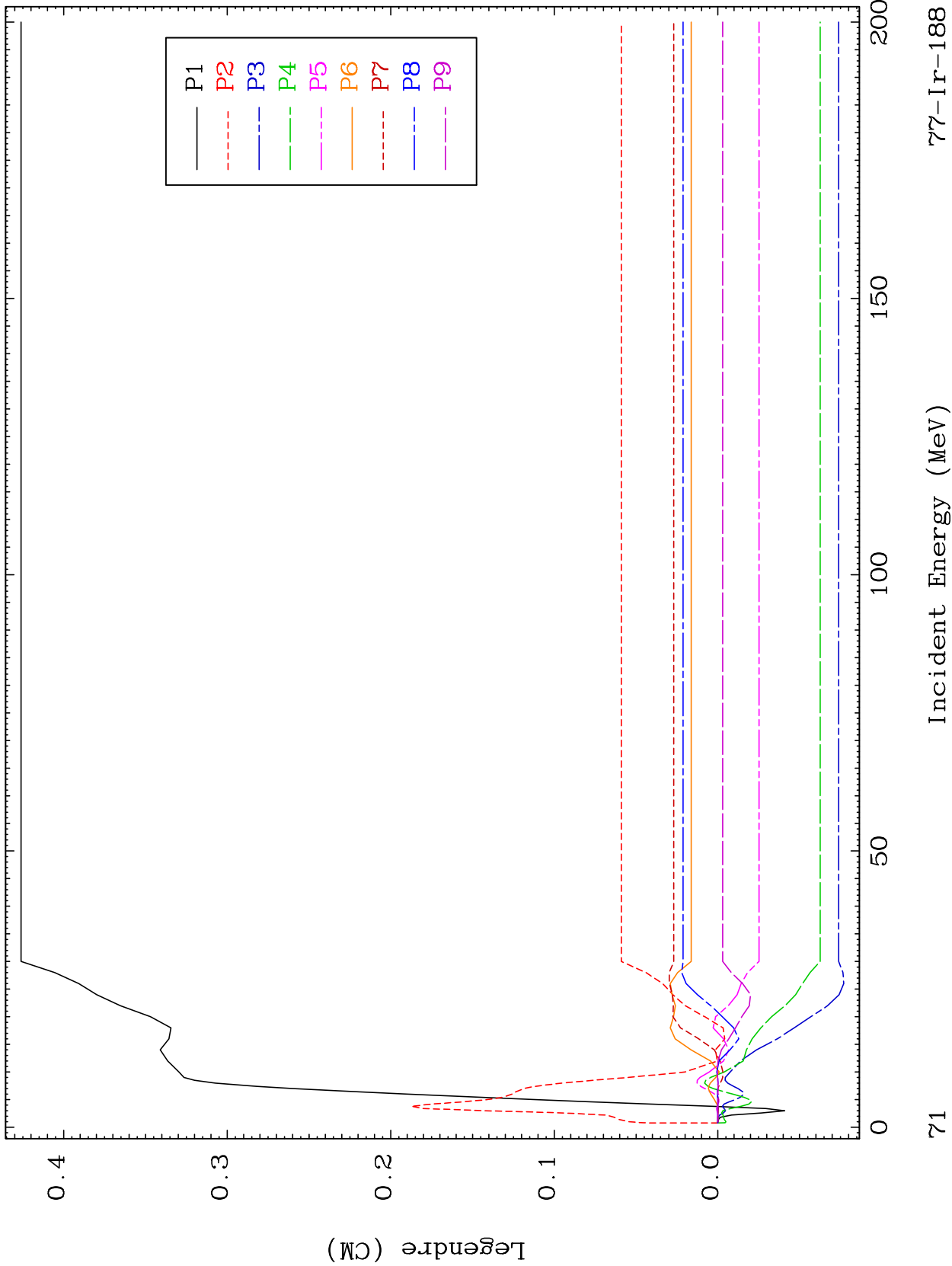
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



77-Ir-188

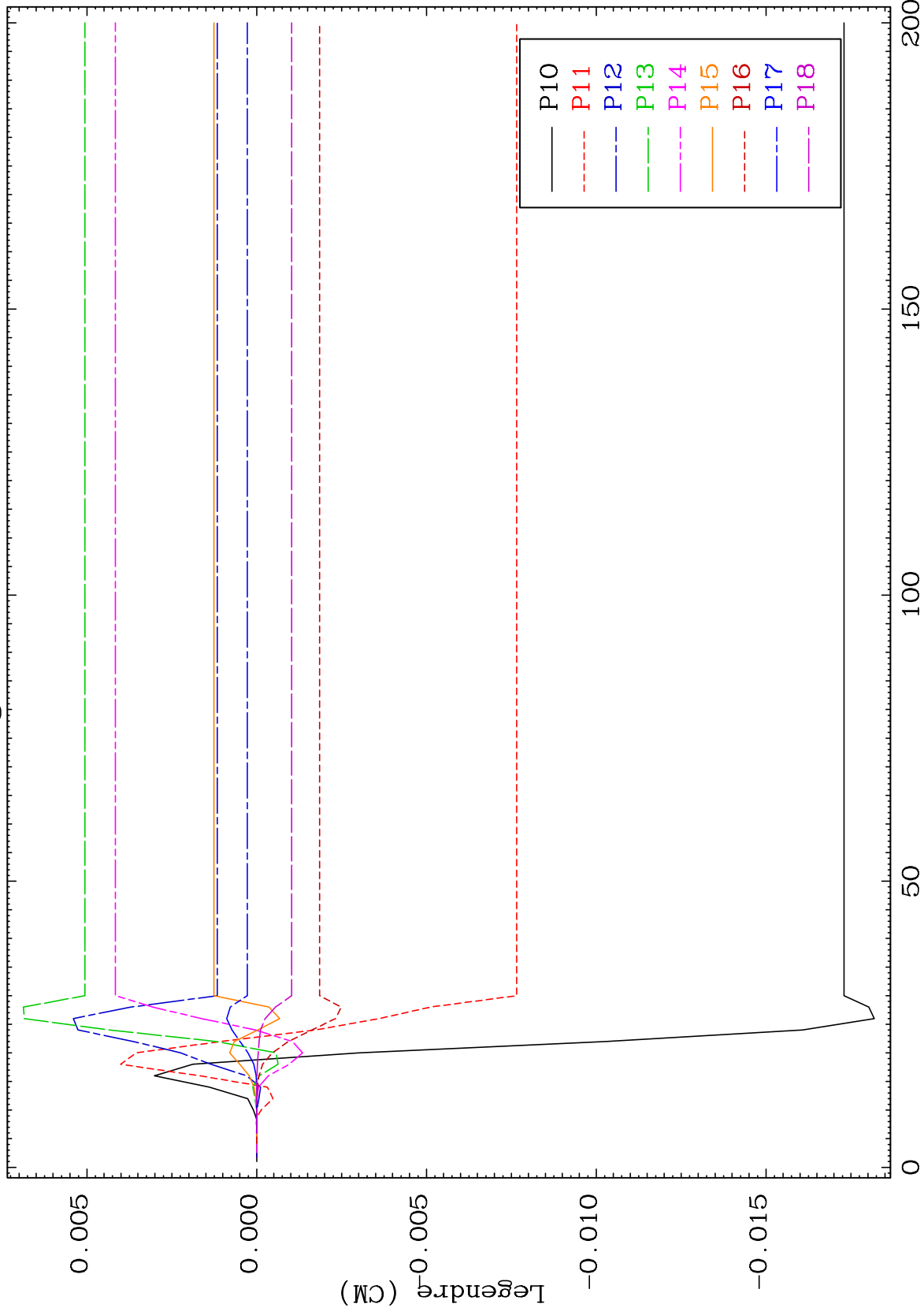
Incident Energy (MeV)

71

MAT 7716

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

77-Ir-188



72

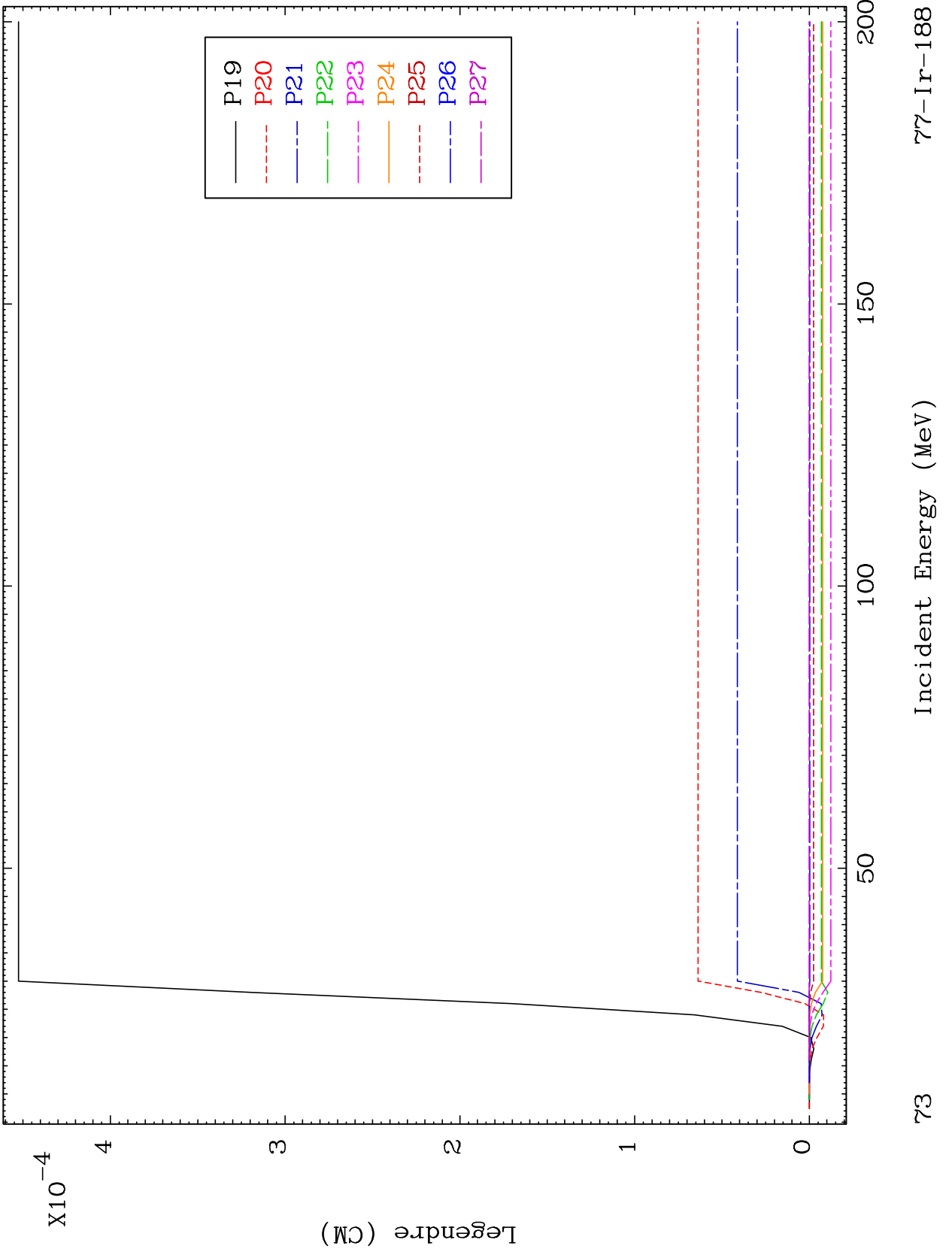
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

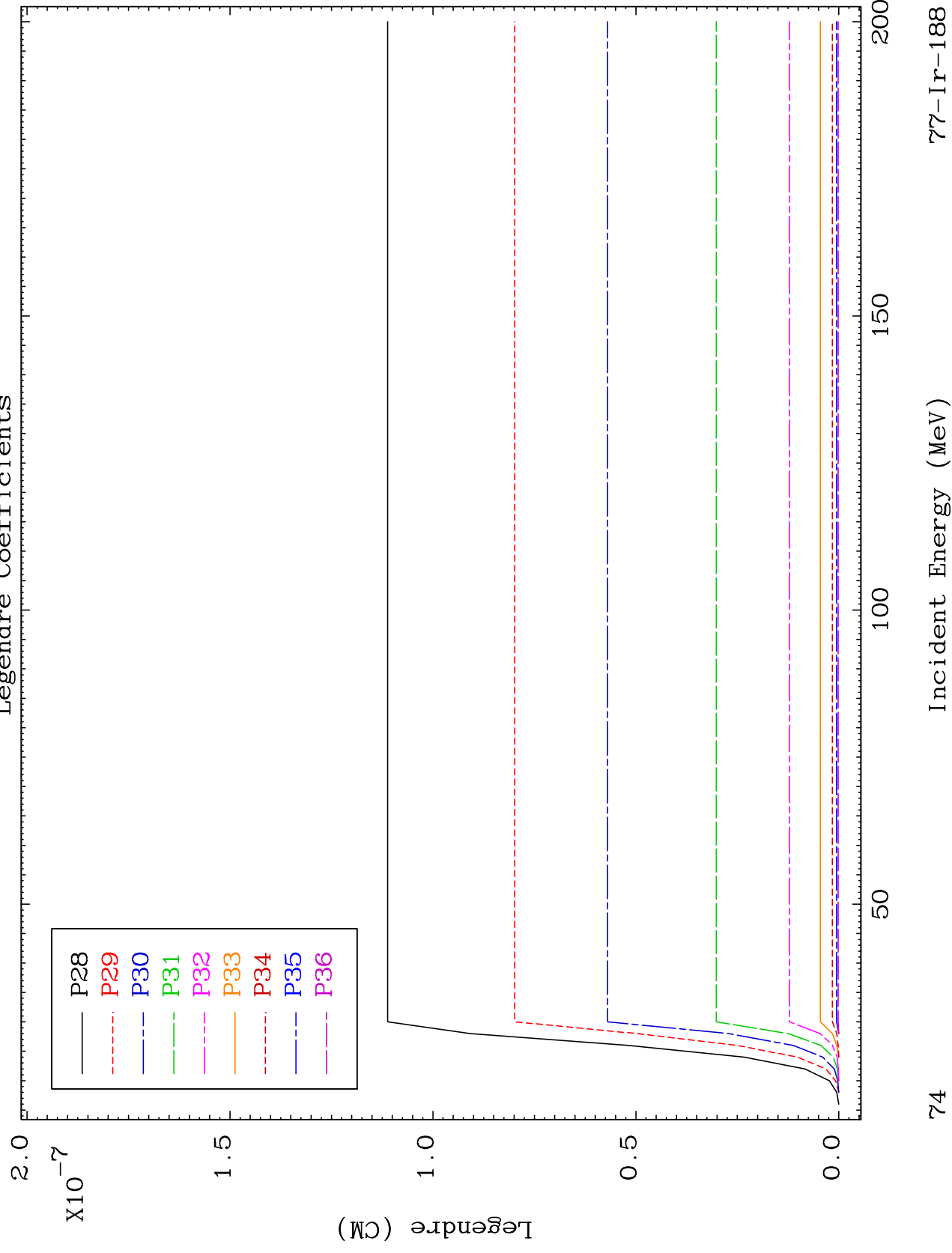
77-Ir-188



MAT 7716

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

77-Ir-188



74

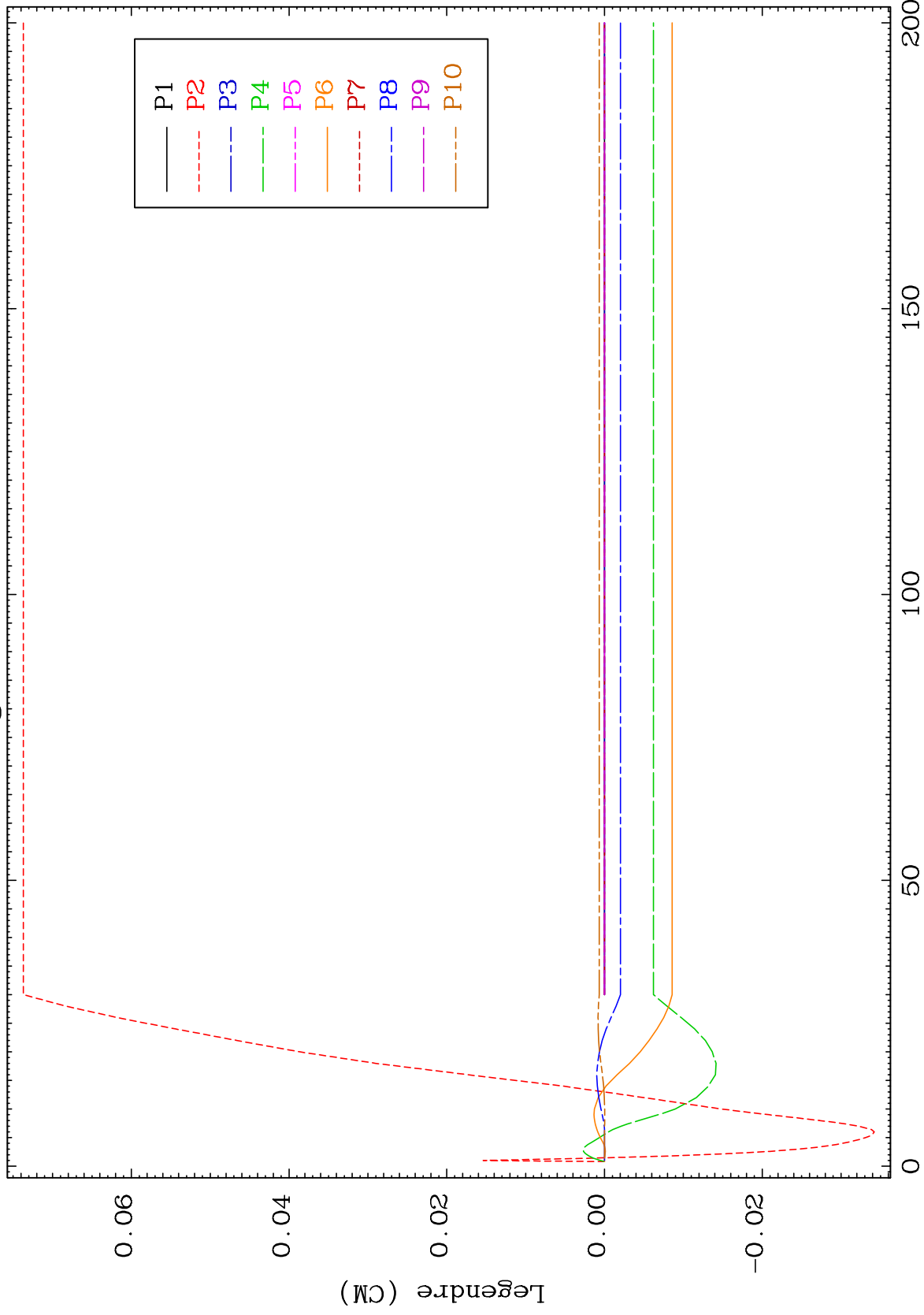
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

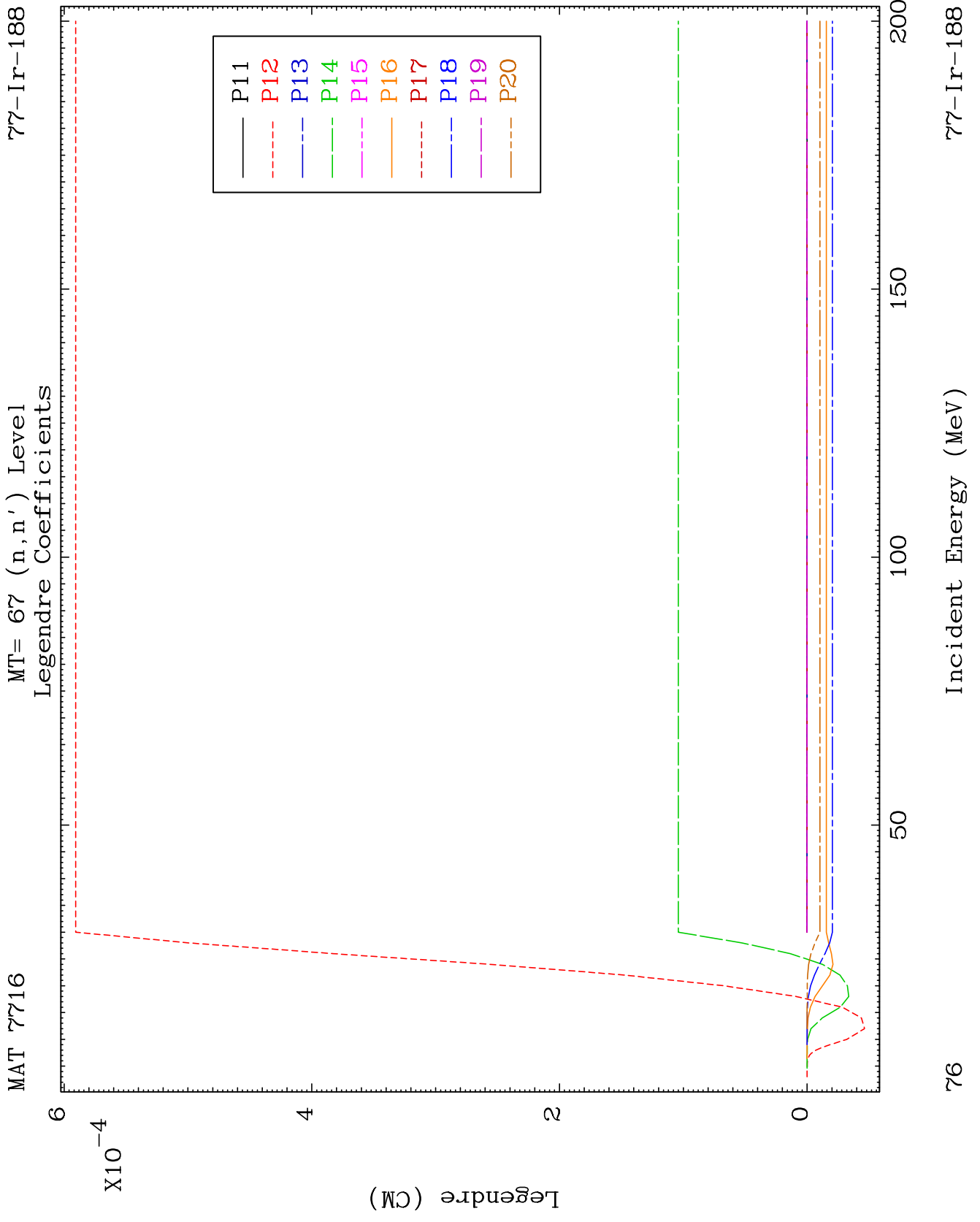
77-Ir-188



75

Incident Energy (MeV)

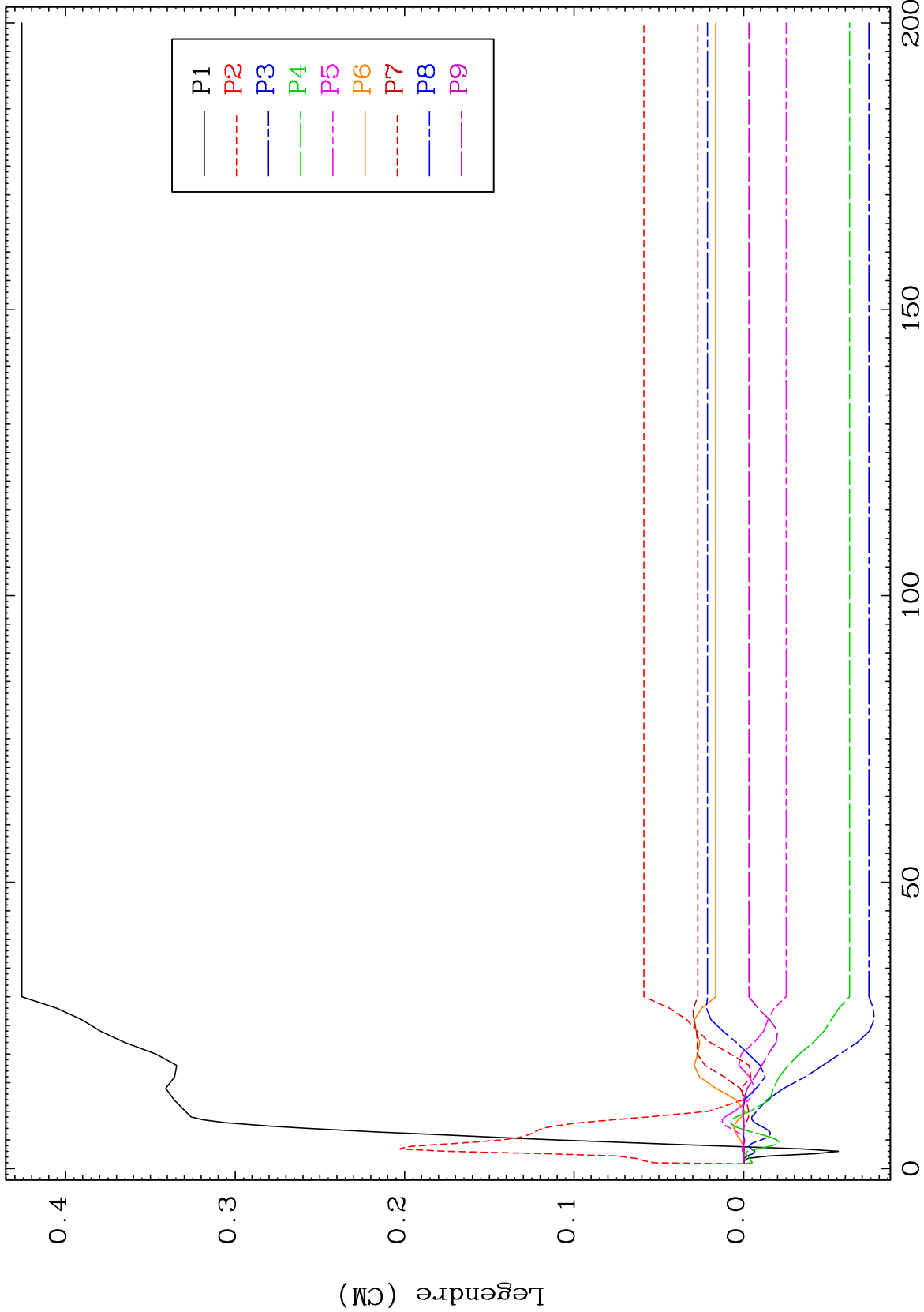
77-Ir-188



MAT 7716

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

77-Ir-188



78

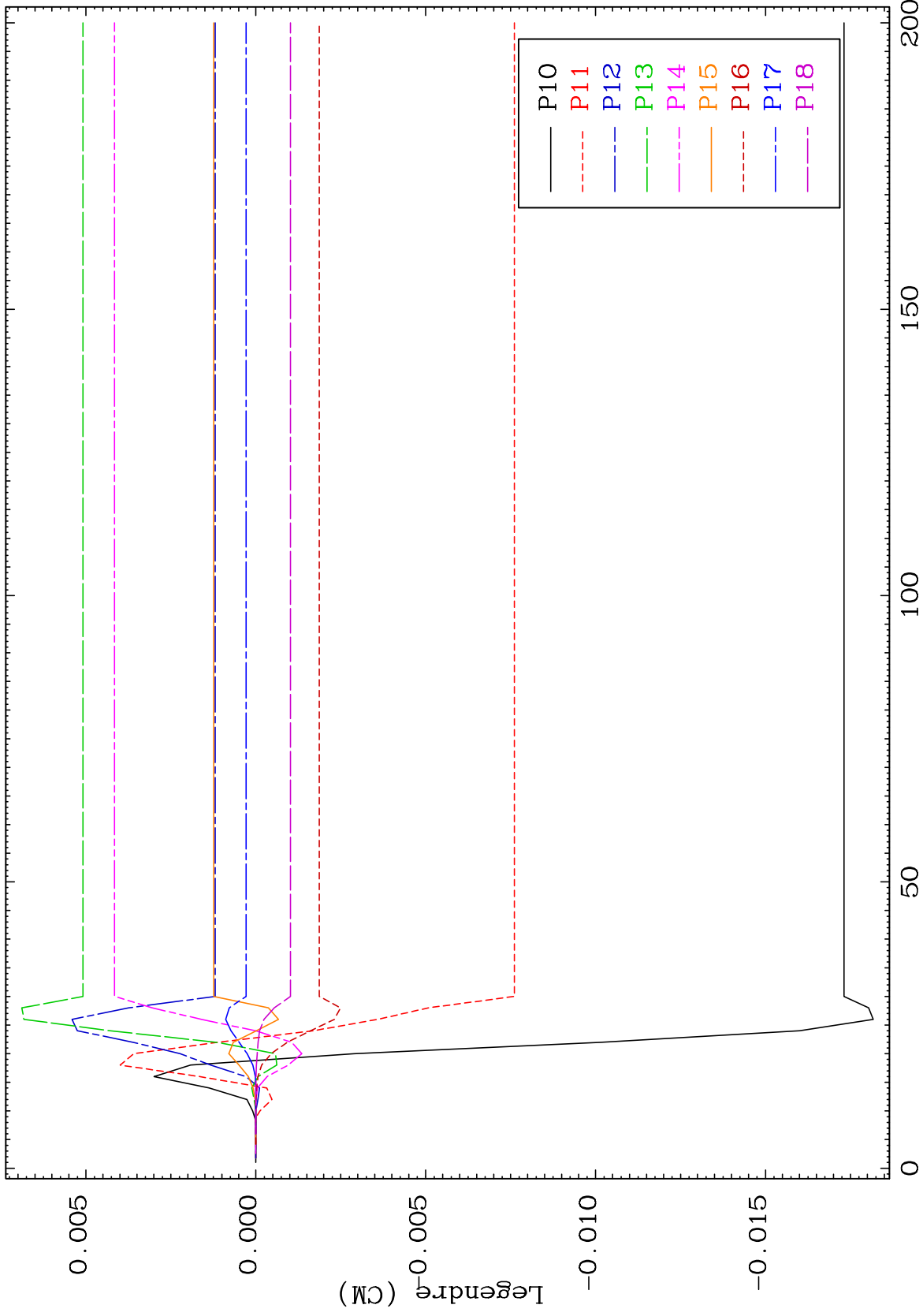
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



79

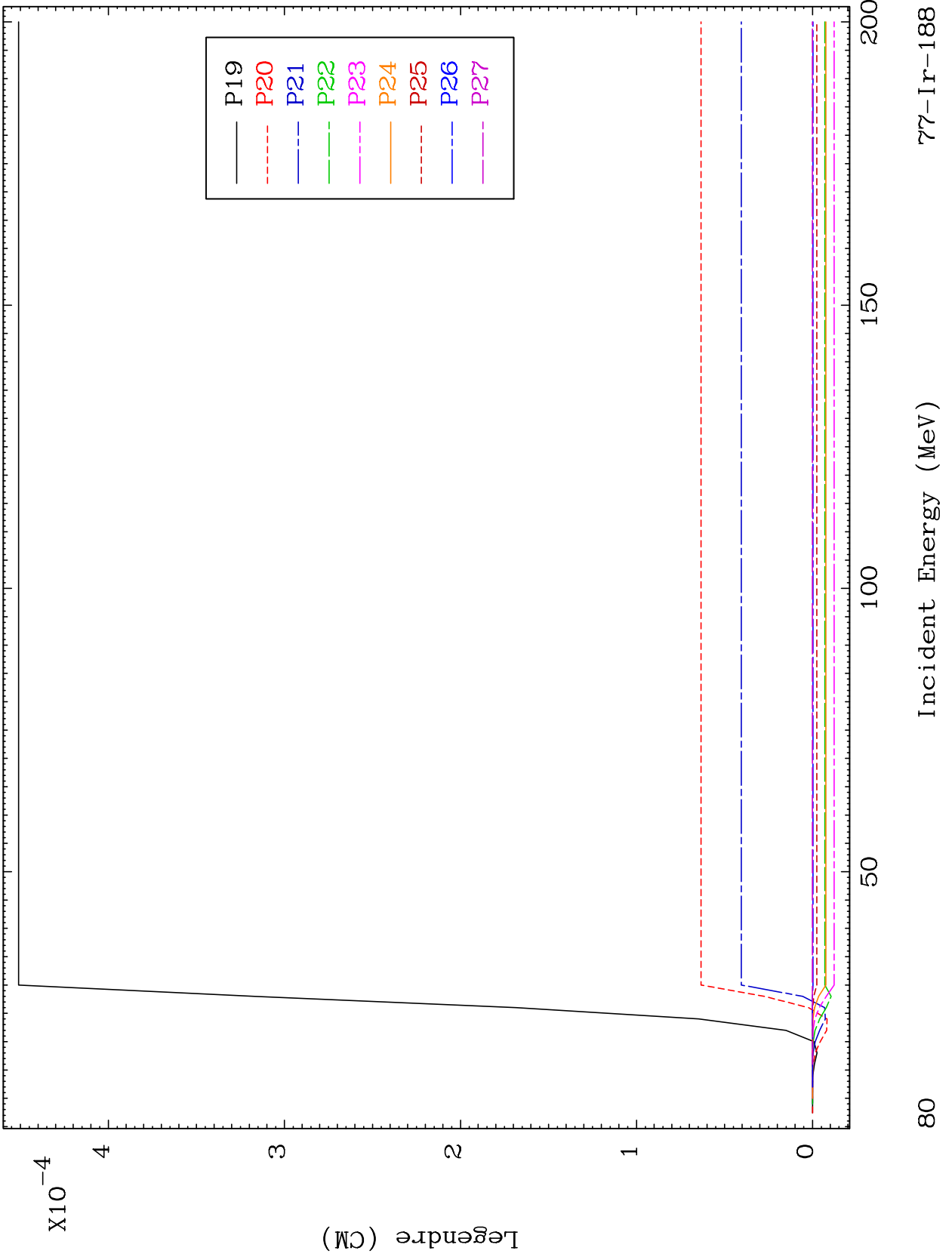
Incident Energy (MeV)

77-Ir-188

MAT 7716

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

77-Ir-188



77-Ir-188

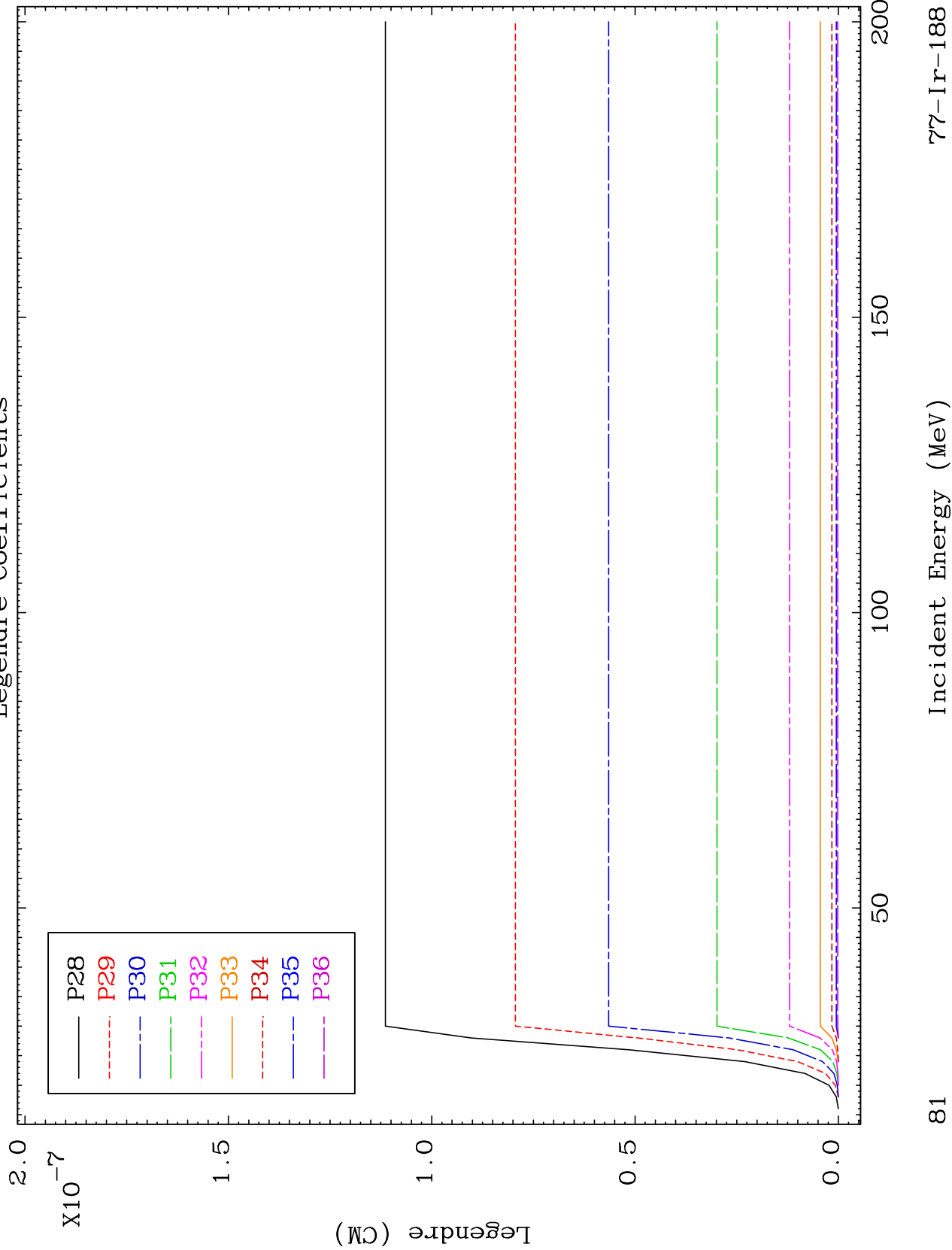
Incident Energy (MeV)

80

MAT 7716

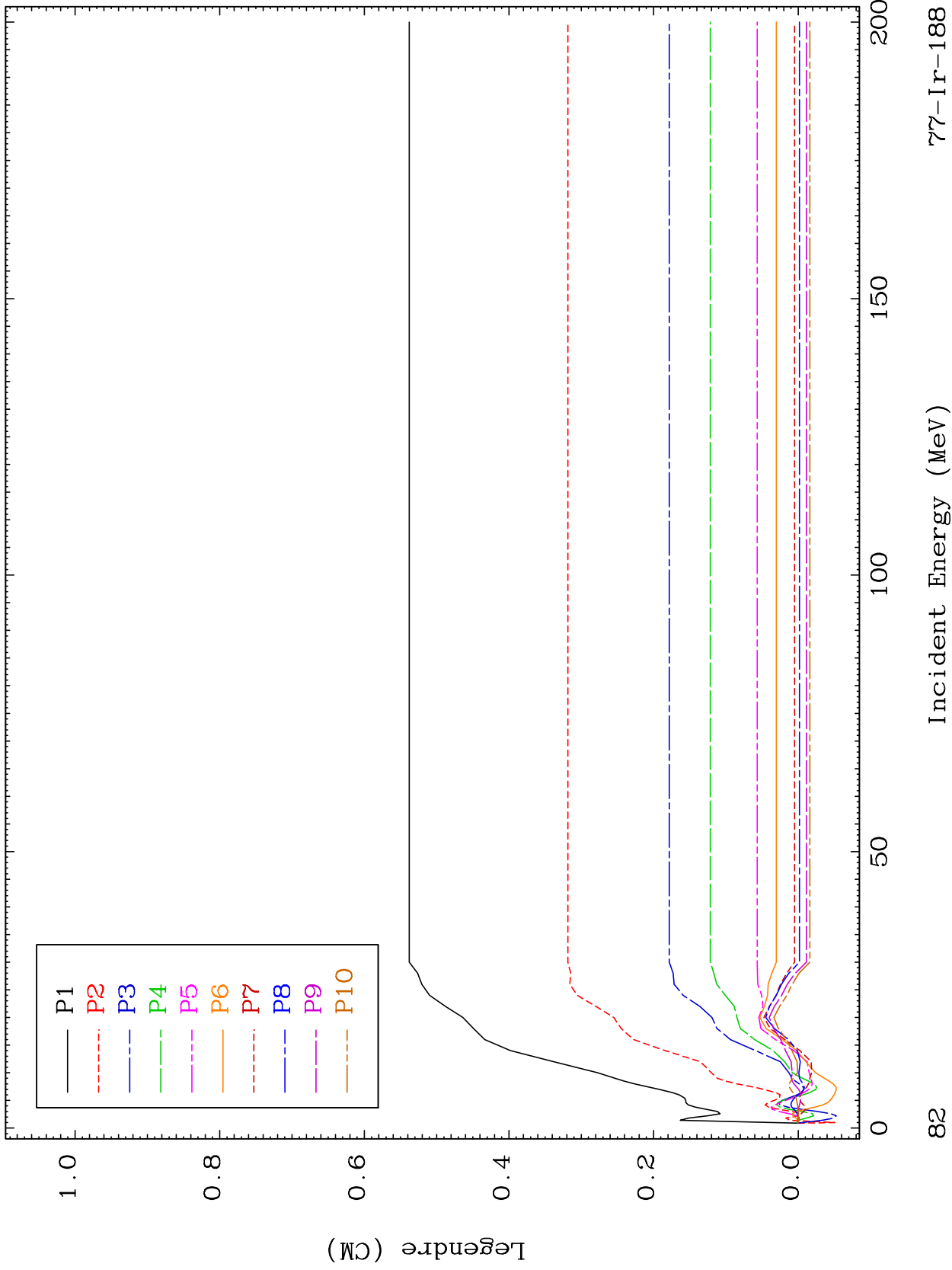
MT= 68 (n,n') Level
Legendre Coefficients

77-Ir-188



81

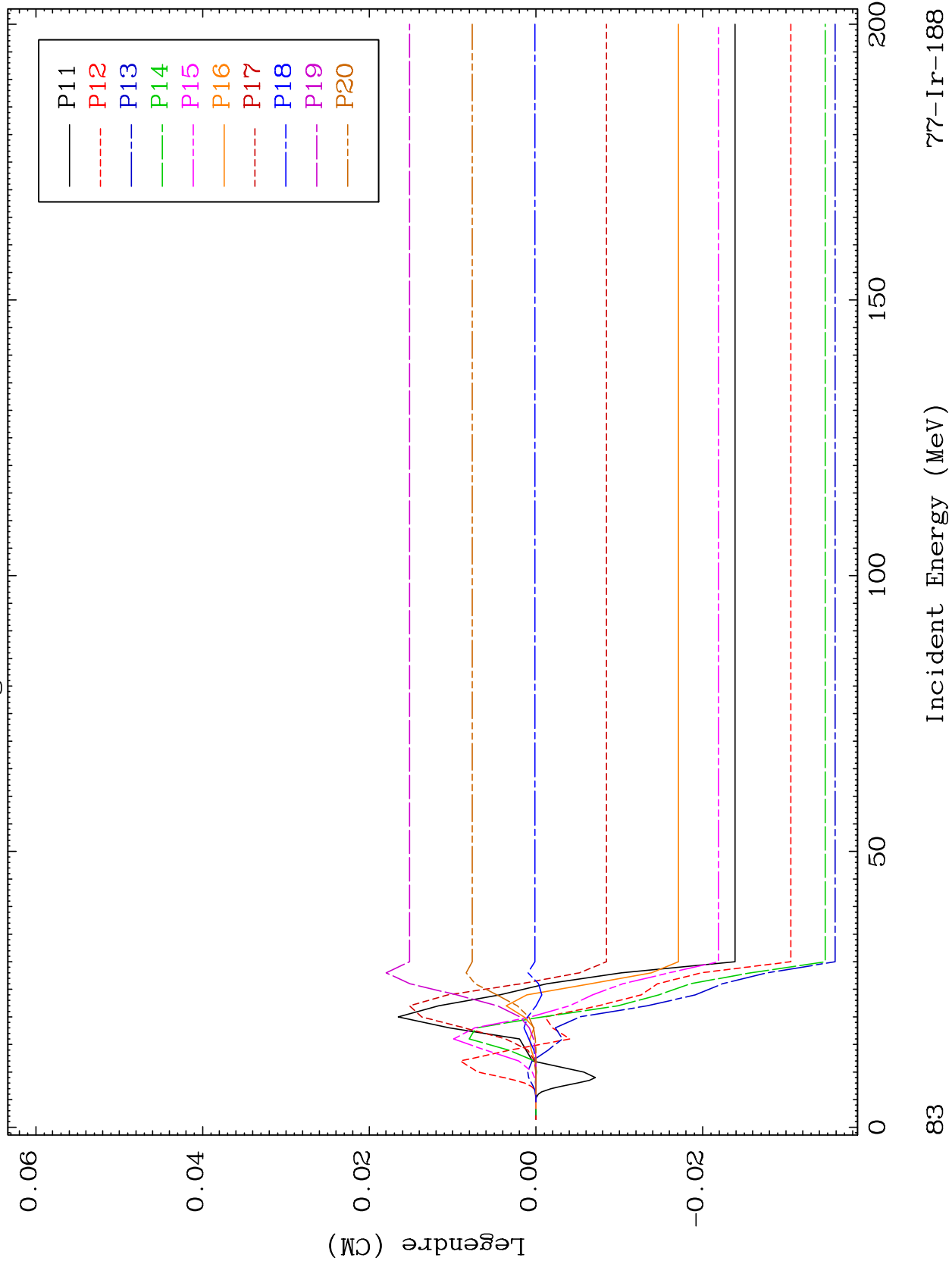
77-Ir-188



MAT 7716

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

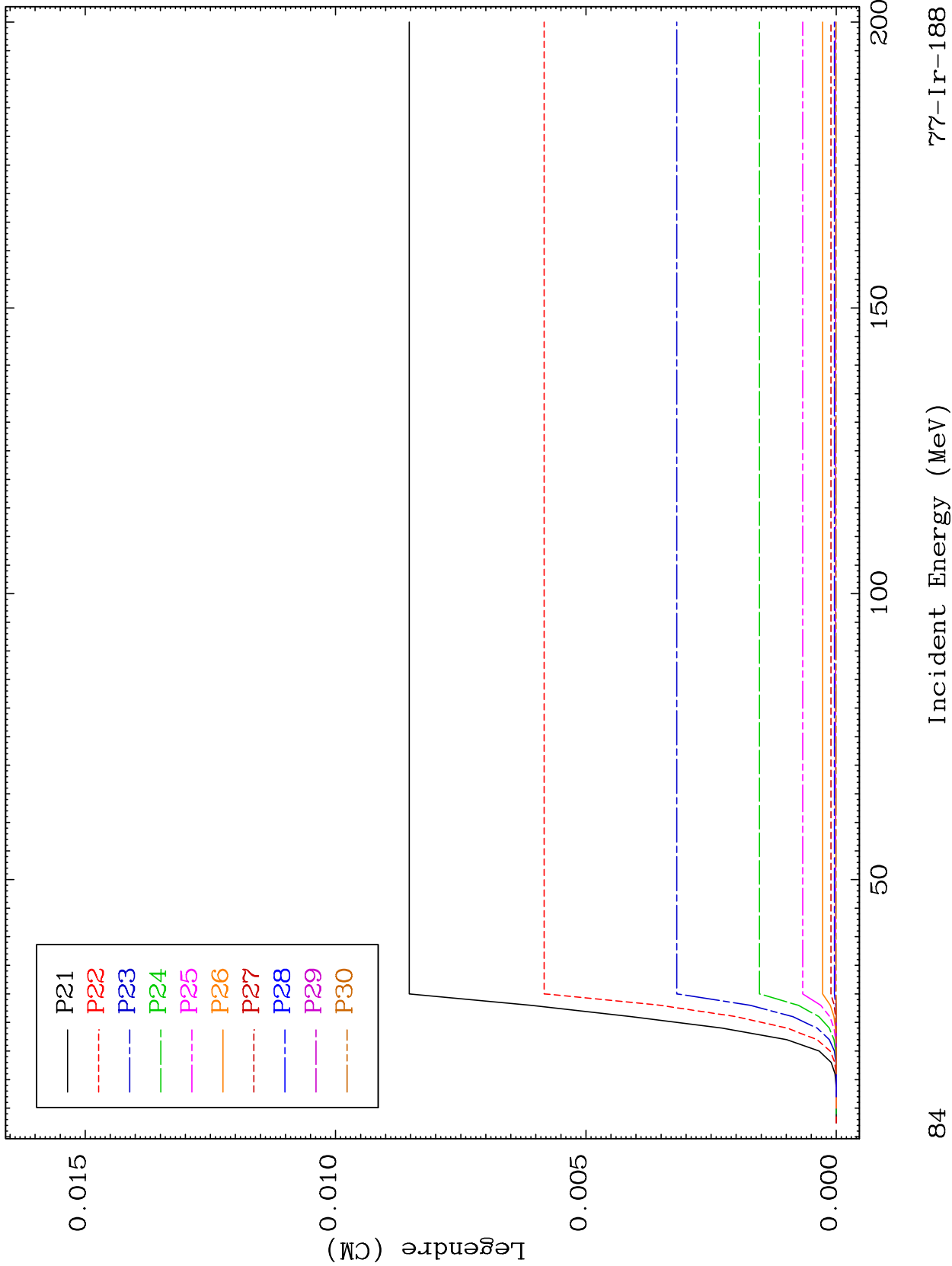
77-Ir-188



MAT 7716

77-Ir-188

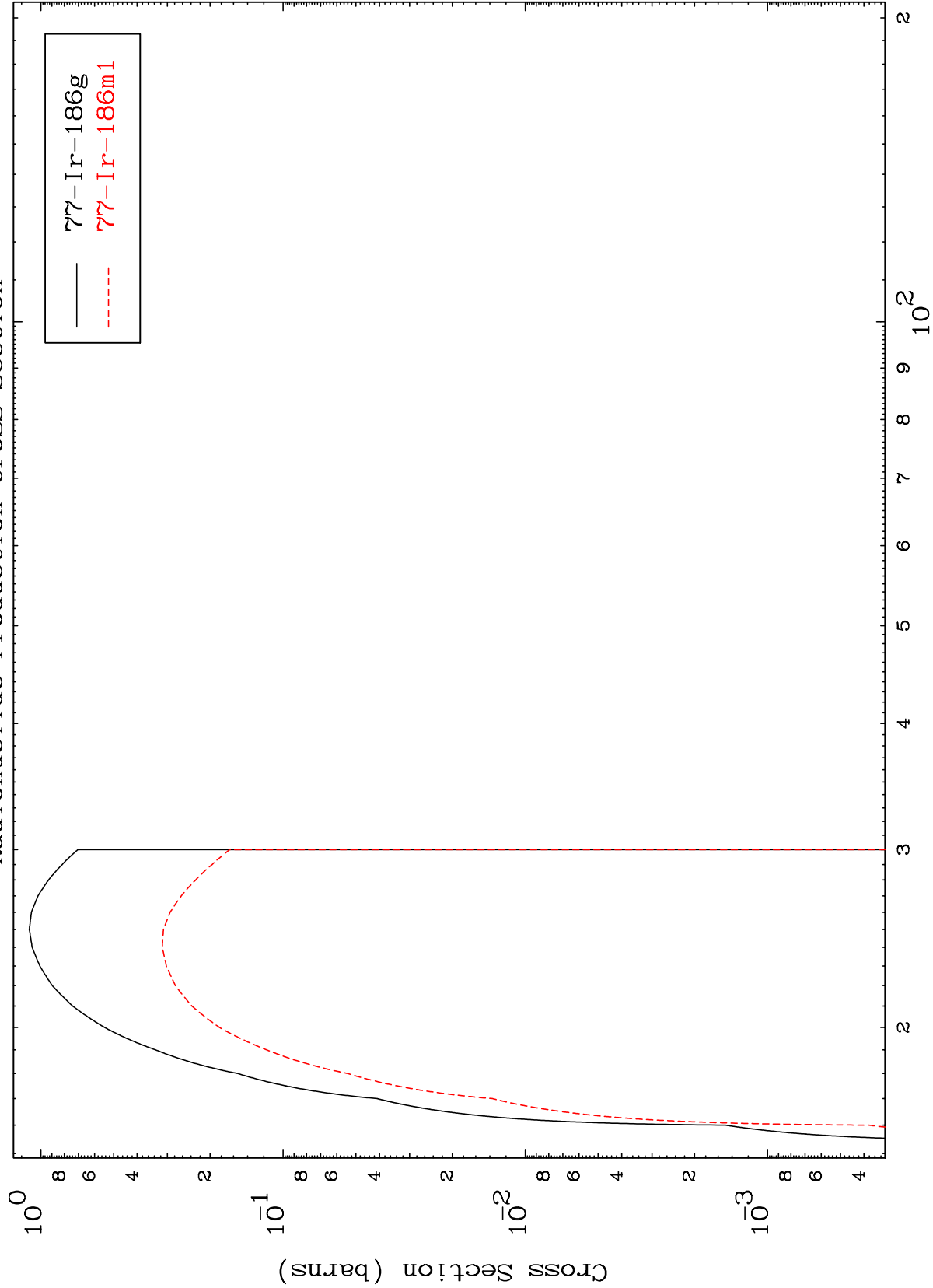
MT= 69 (n,n') Level
Legendre Coefficients



84

77-Ir-188

Radionuclide Production Cross Section

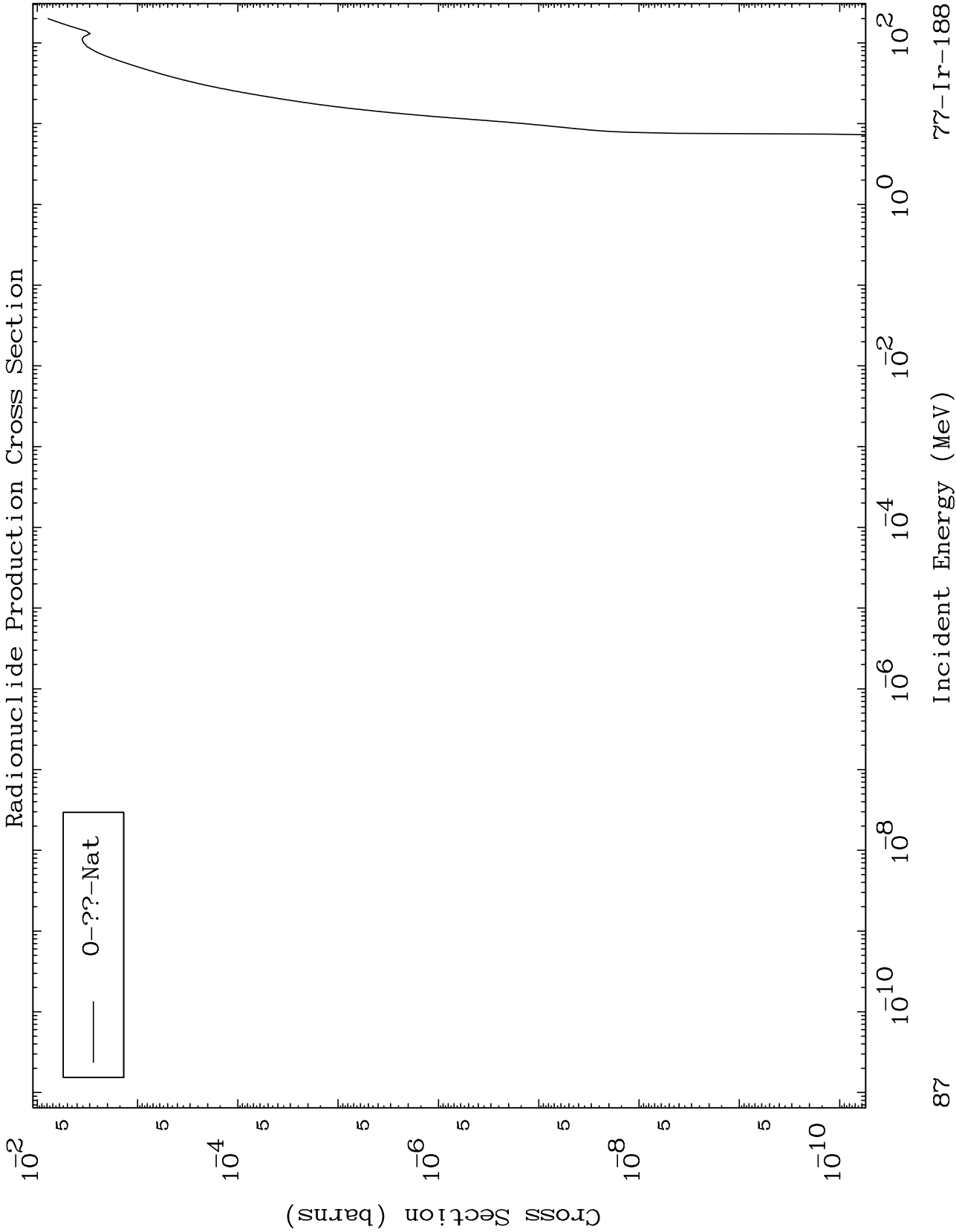


MAT 7716

Fission

⁷⁷Ir-188

Radionuclide Production Cross Section



87

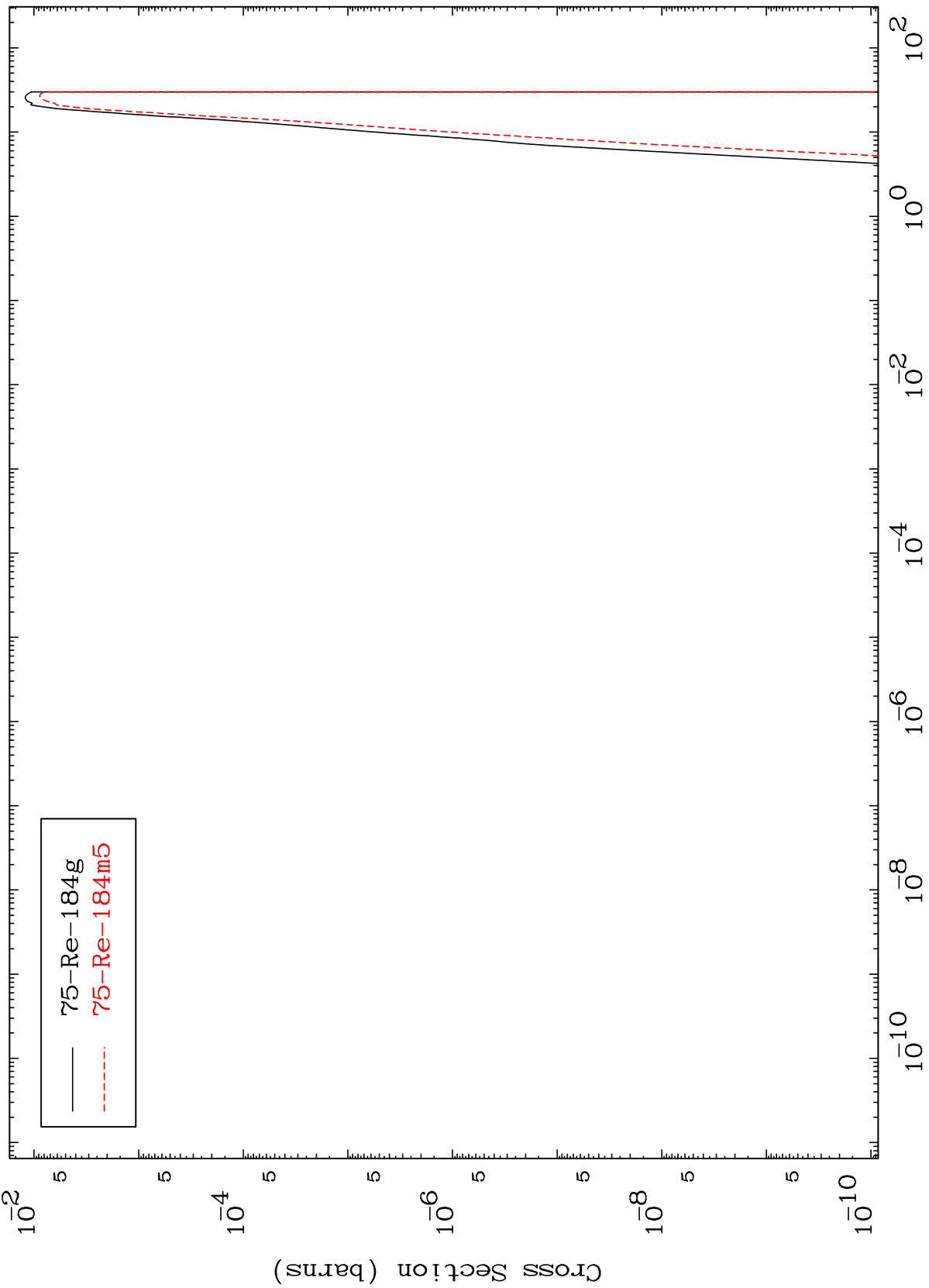
⁷⁷Ir-188

MAT 7716

$(n, n') \alpha$

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

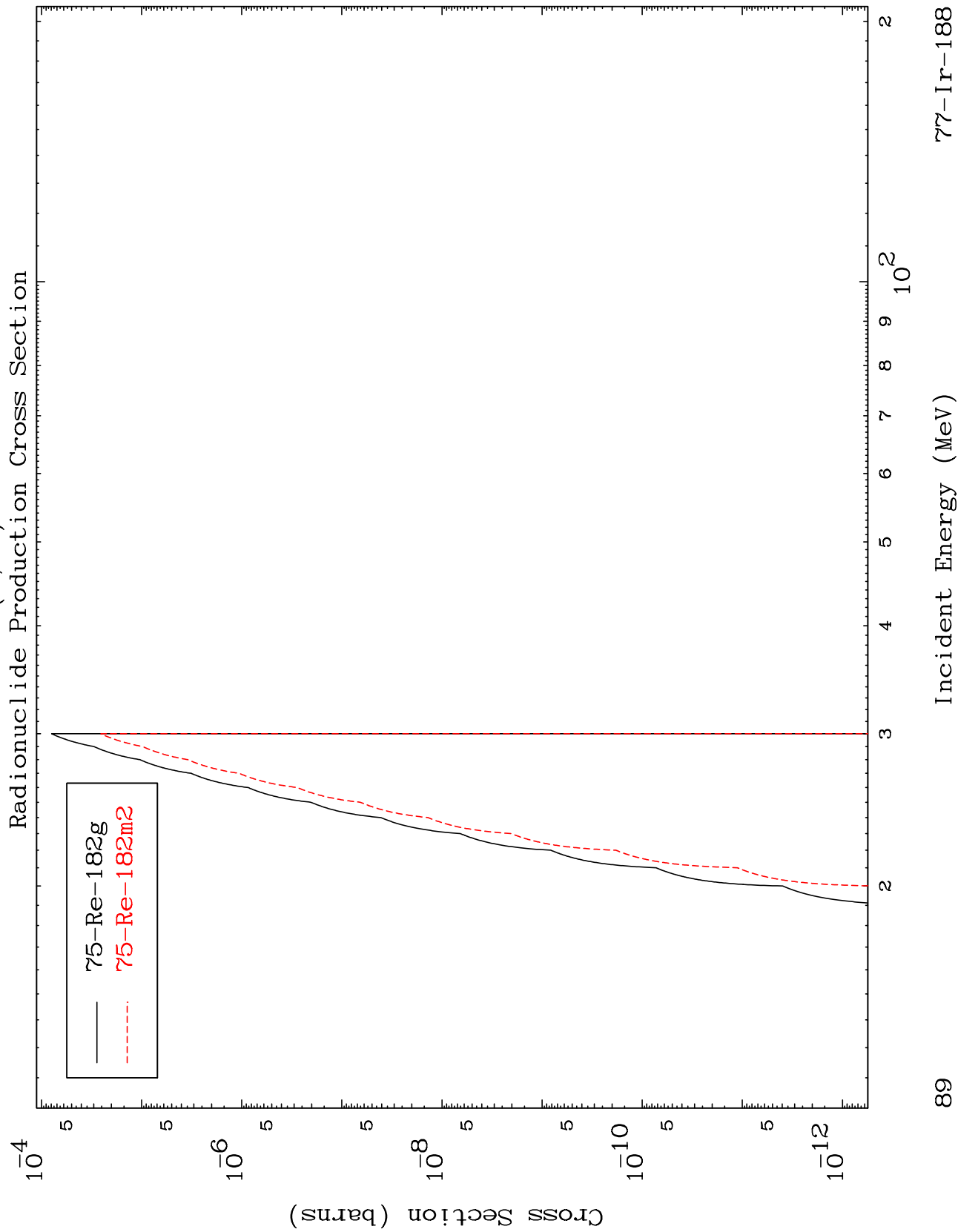
Radionuclide Production Cross Section



MAT 7716

(n,3n) α

⁷⁷Ir-188

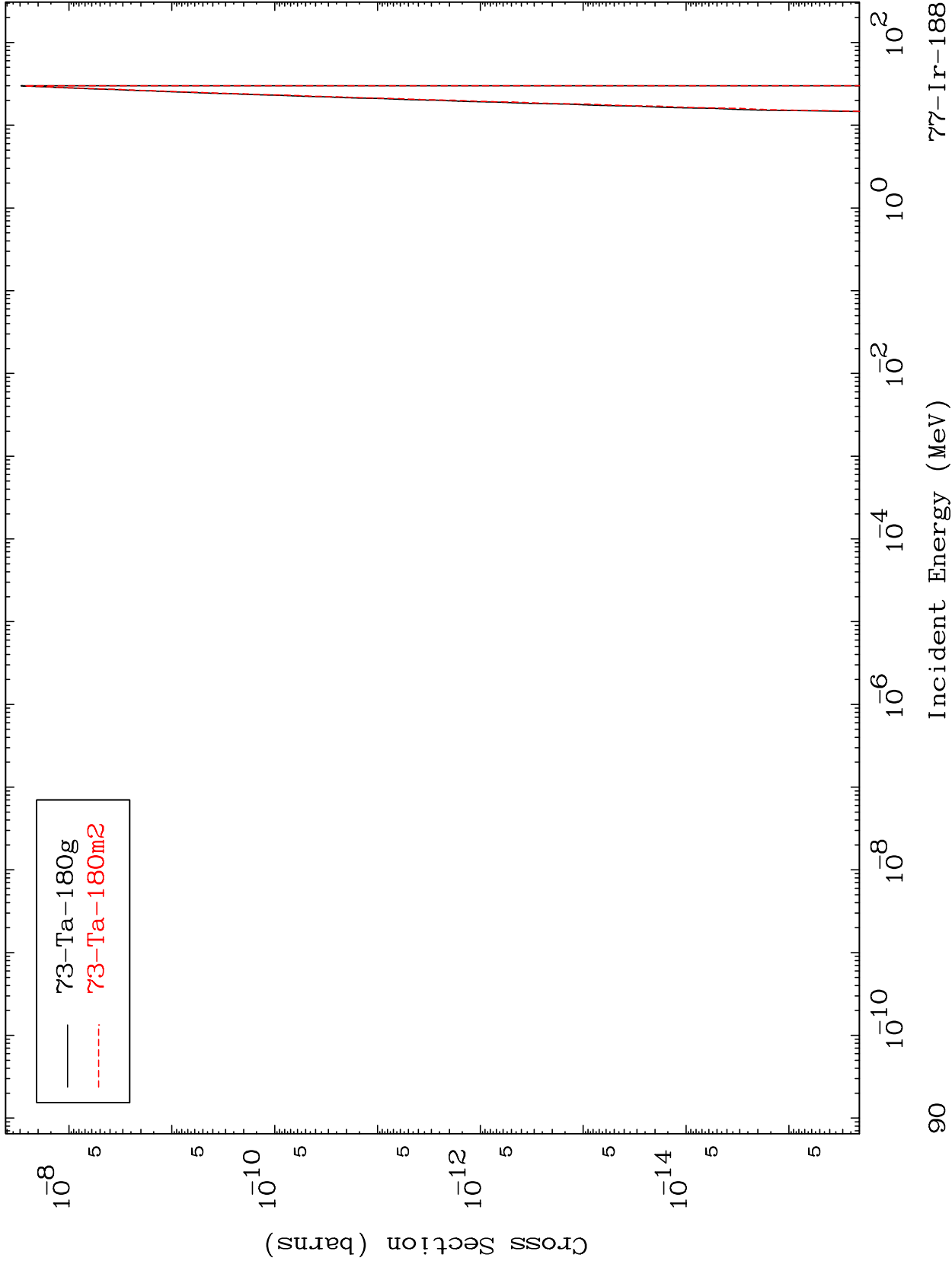


MAT 7716

(n,n') 2α

77-Ir-188

Radionuclide Production Cross Section



90

Incident Energy (MeV)

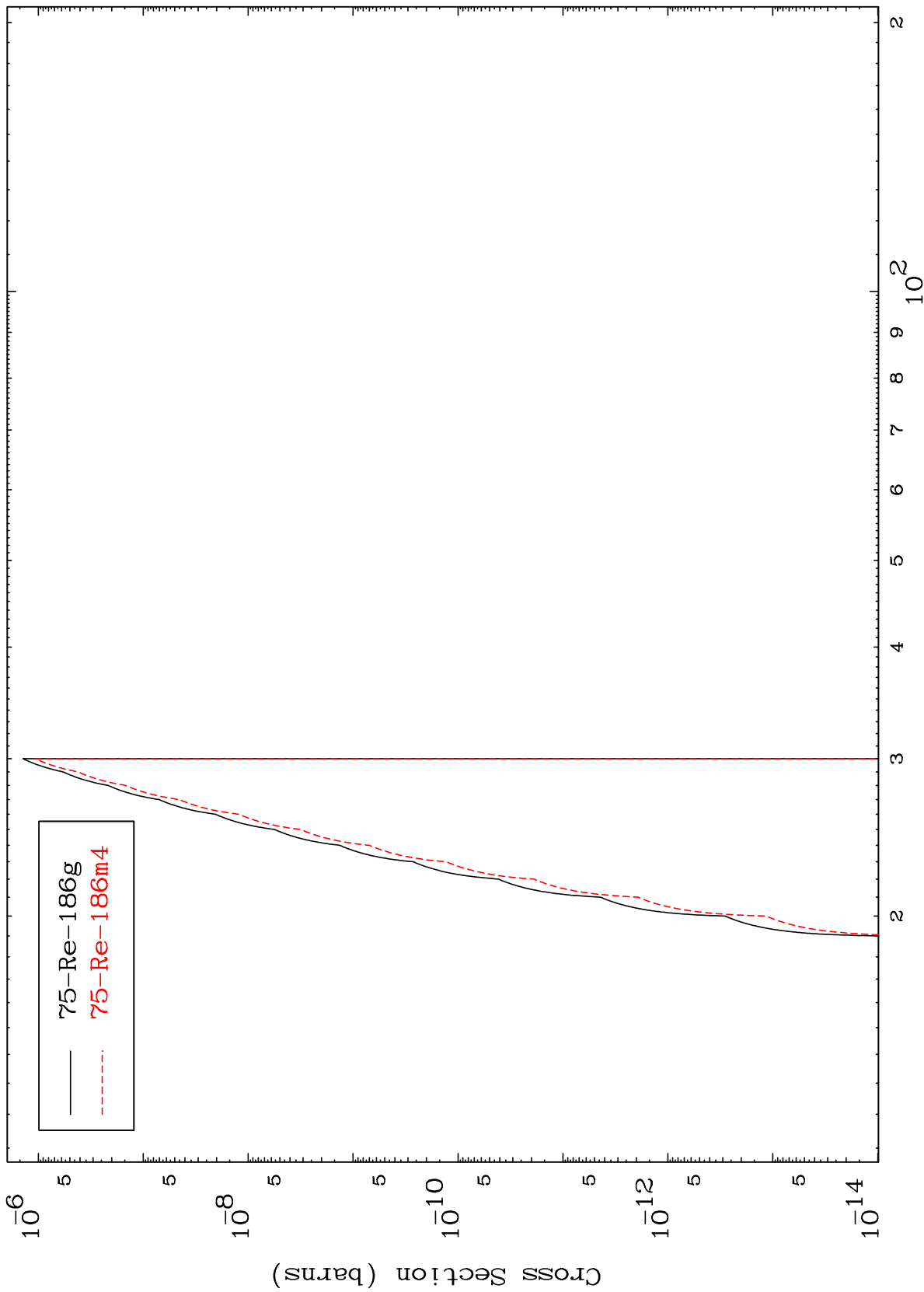
77-Ir-188

MAT 7716

(n,2n) p

⁷⁷Ir-188

Radionuclide Production Cross Section



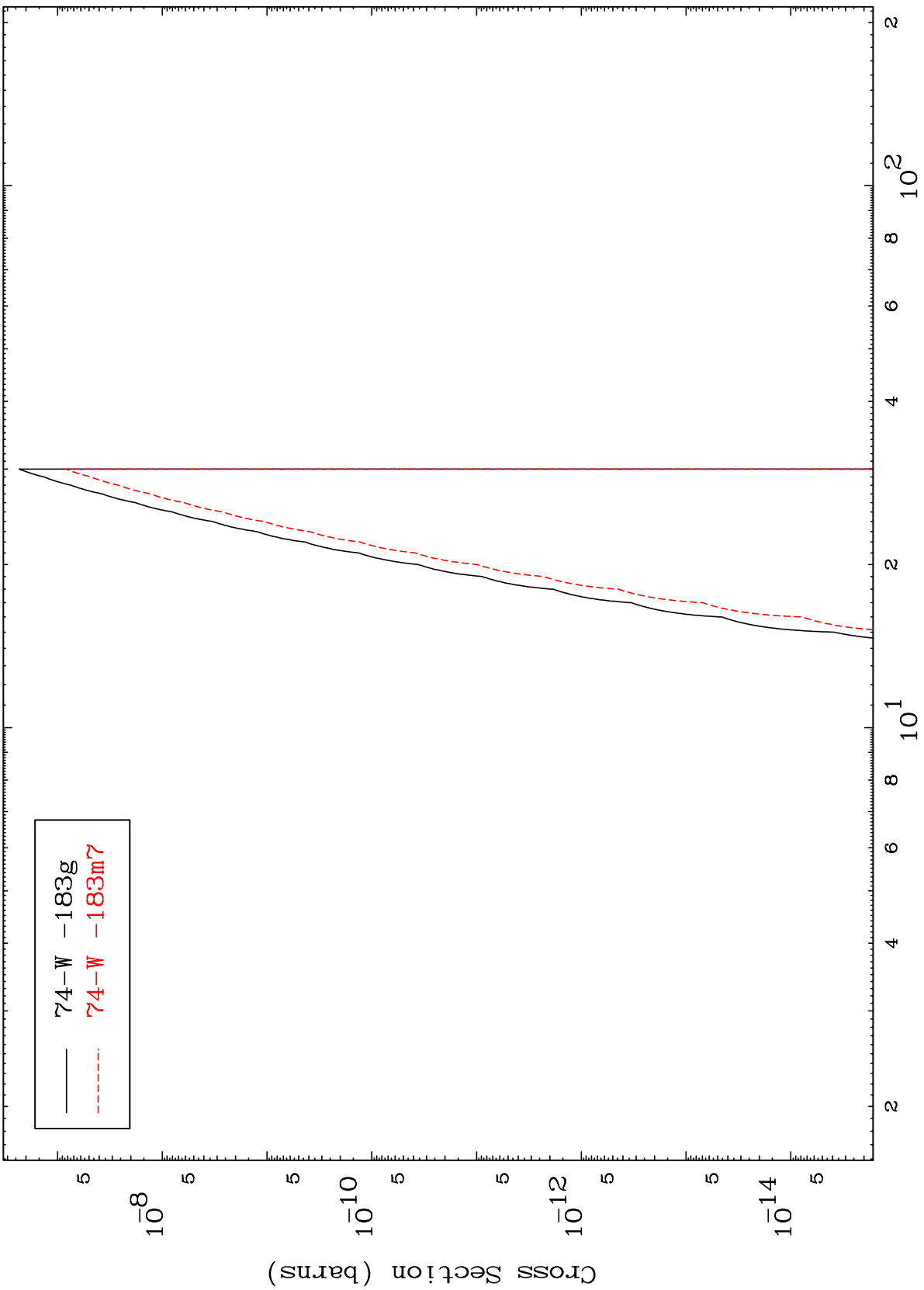
75-Re-186g
75-Re-186m4

MAT 7716

(n,n') p α

⁷⁷Ir-188

Radionuclide Production Cross Section



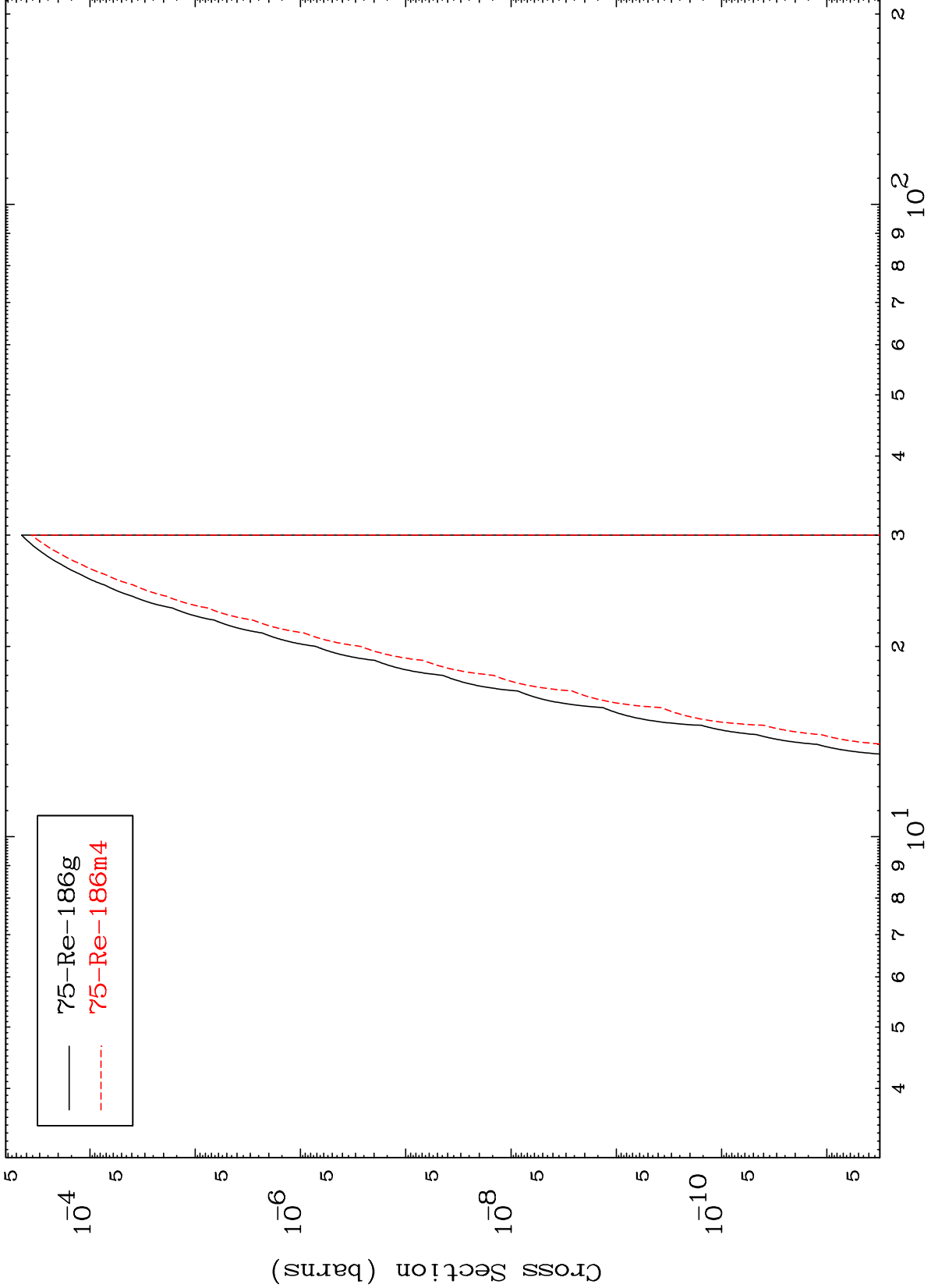
74-W -183g
74-W -183m7

MAT 7716

(n,He-3)

77-Ir-188

Radionuclide Production Cross Section



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

93

Incident Energy (MeV)

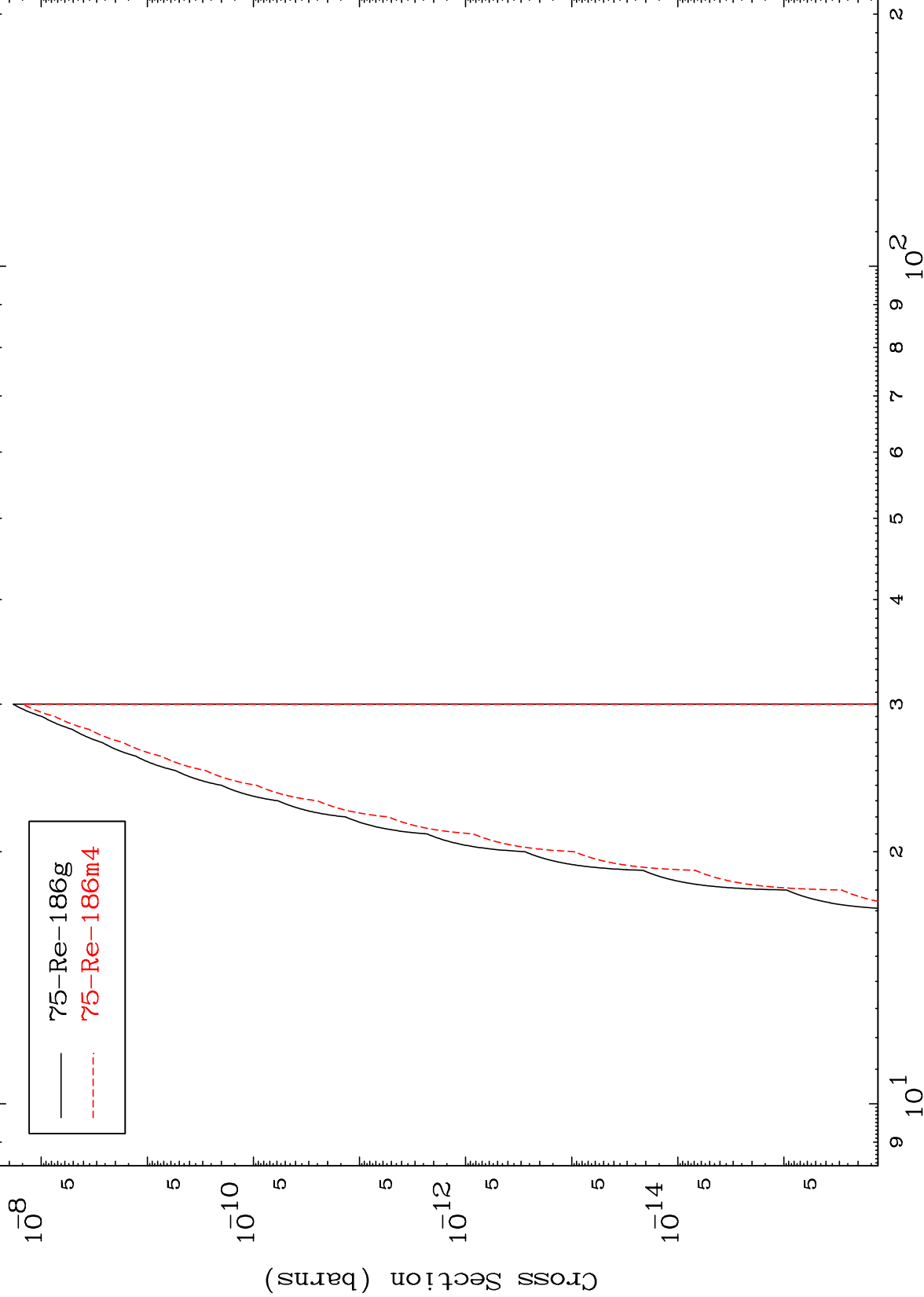
77-Ir-188

MAT 7716

(n,p) d

⁷⁷Ir-188

Radionuclide Production Cross Section



94

Incident Energy (MeV)

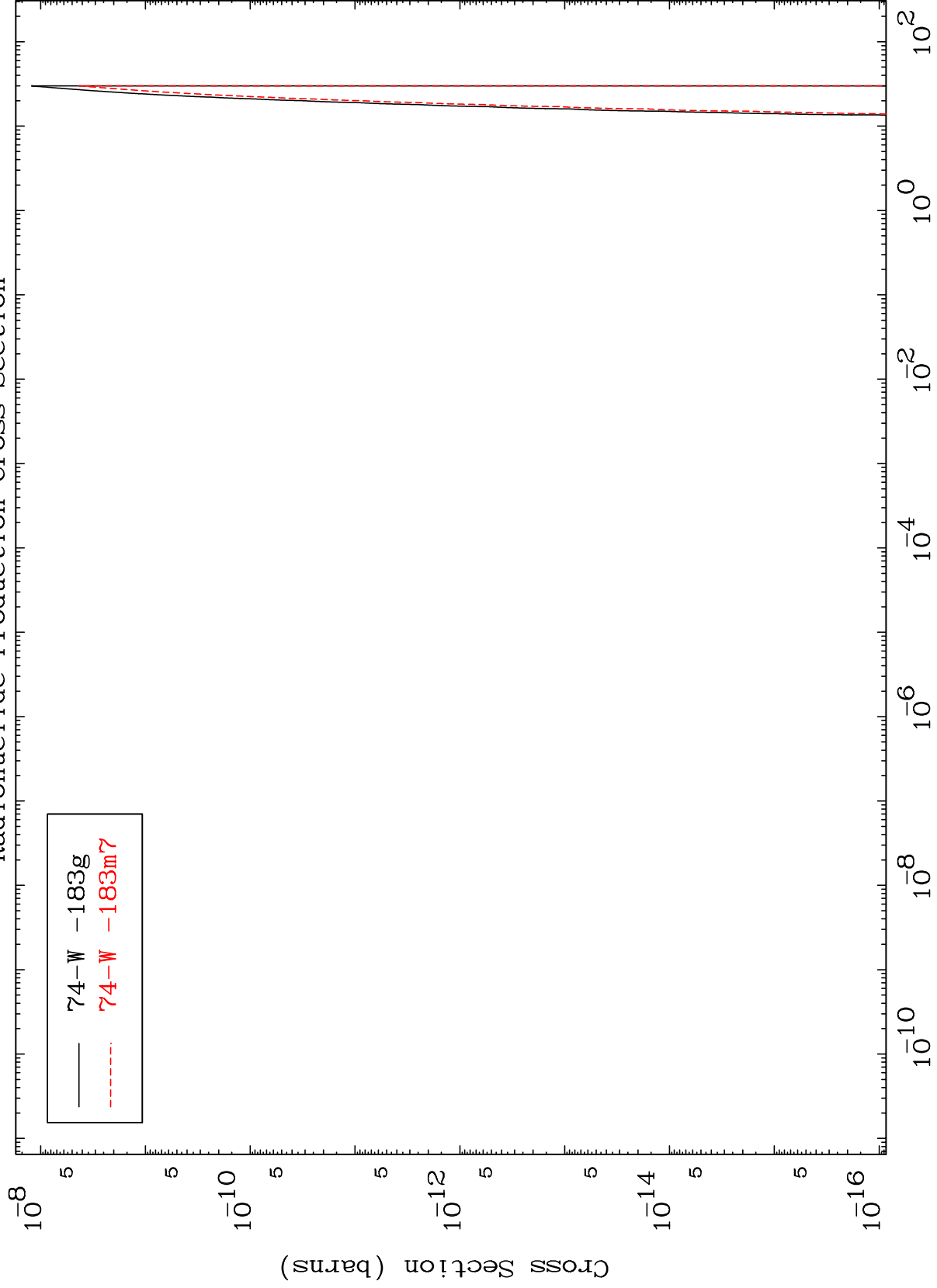
⁷⁷Ir-188

MAT 7716

(n,d) α

⁷⁷Ir-188

Radionuclide Production Cross Section



74-W -183g
74-W -183m7