

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

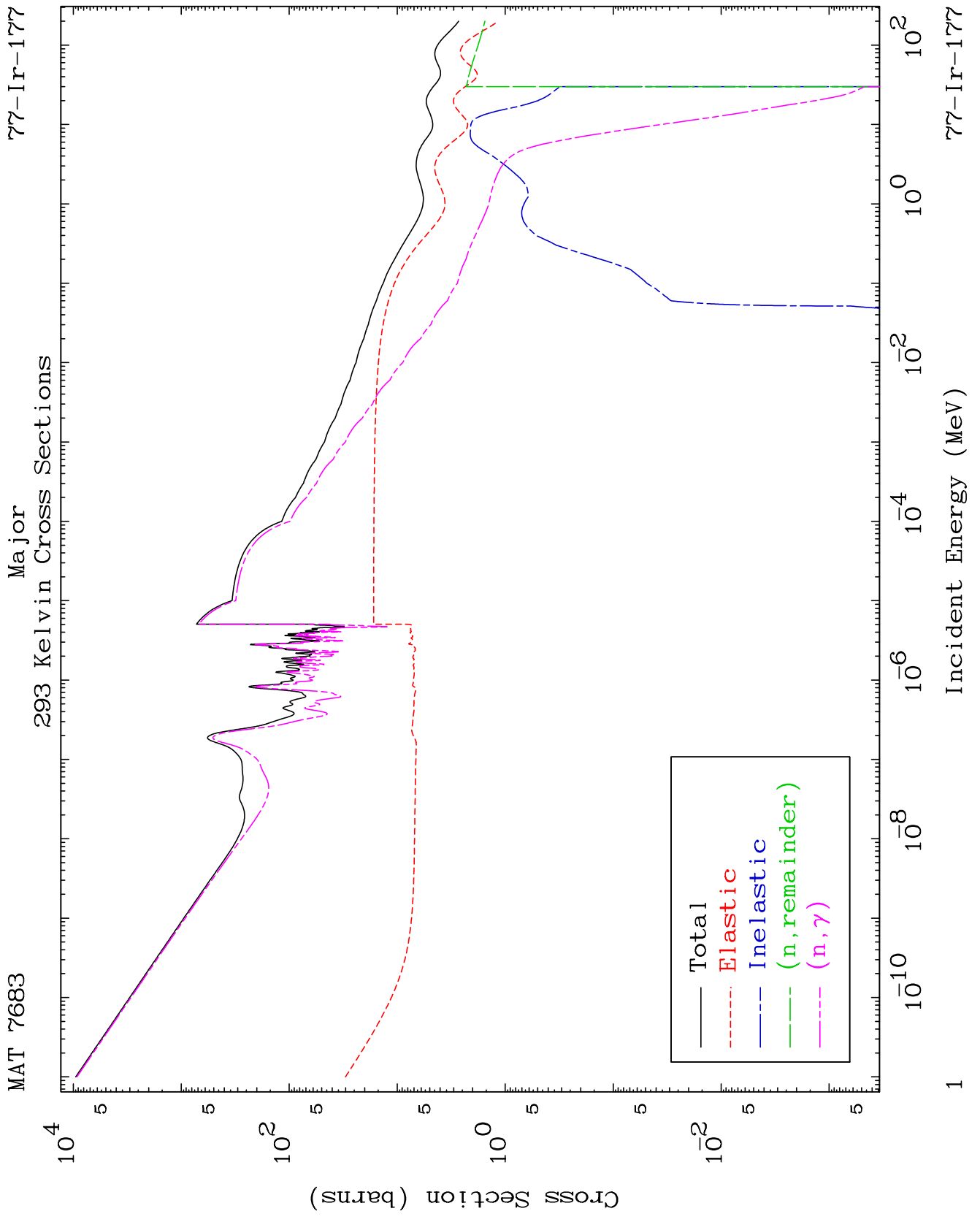
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E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

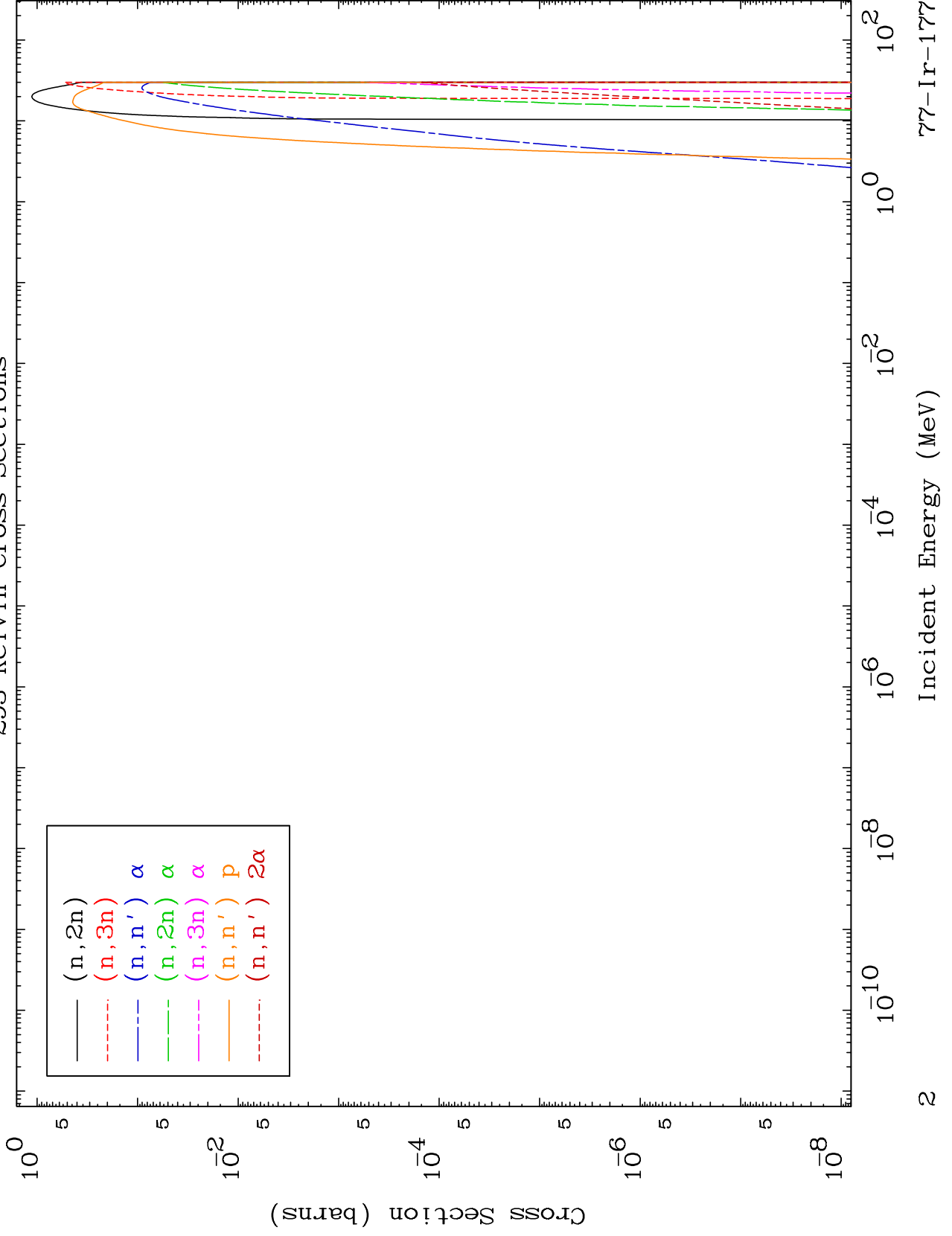
Press Mouse Button to Start

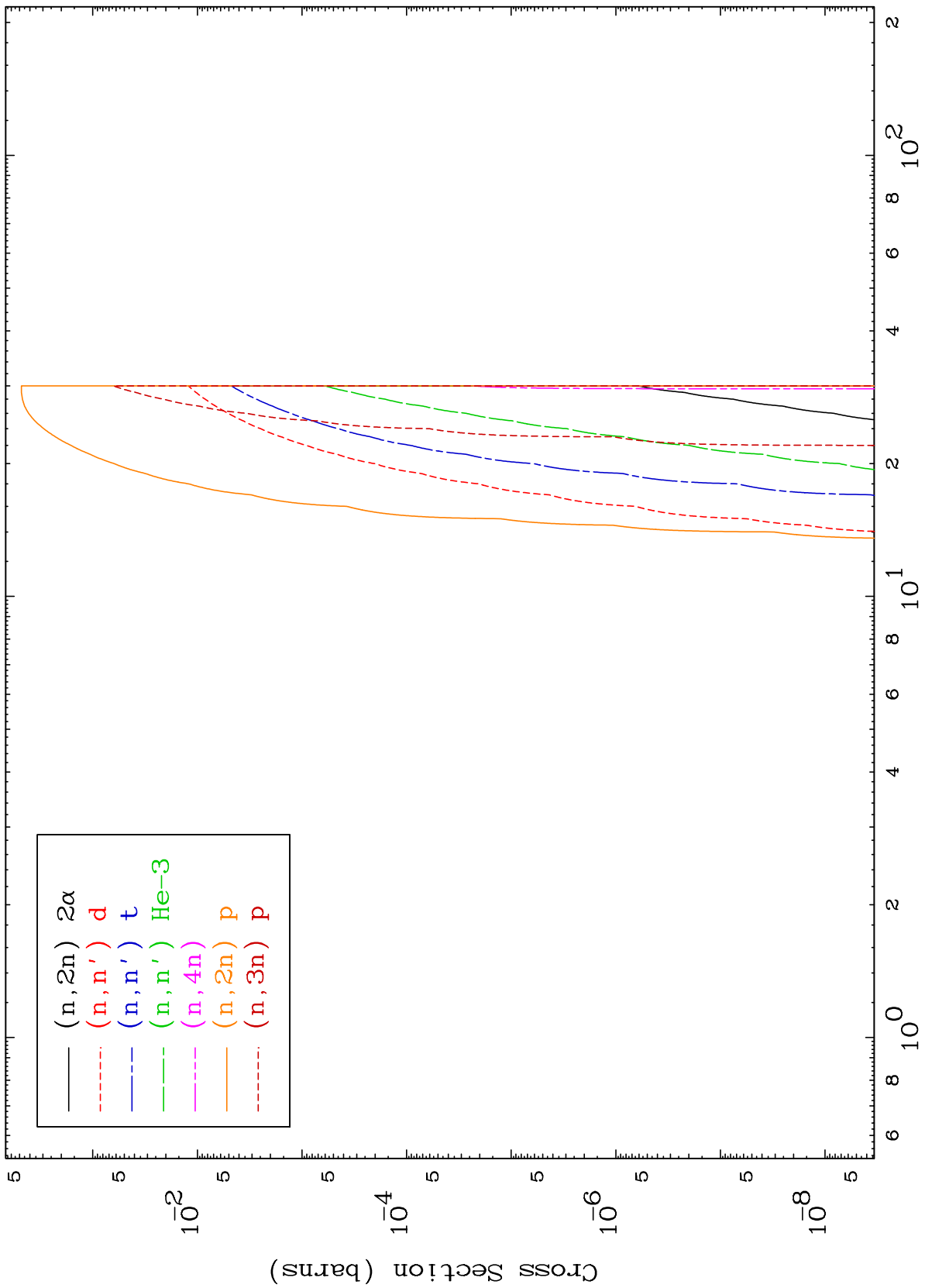


MAT 7683

Neutron Production
293 Kelvin Cross Sections

77-Ir-177

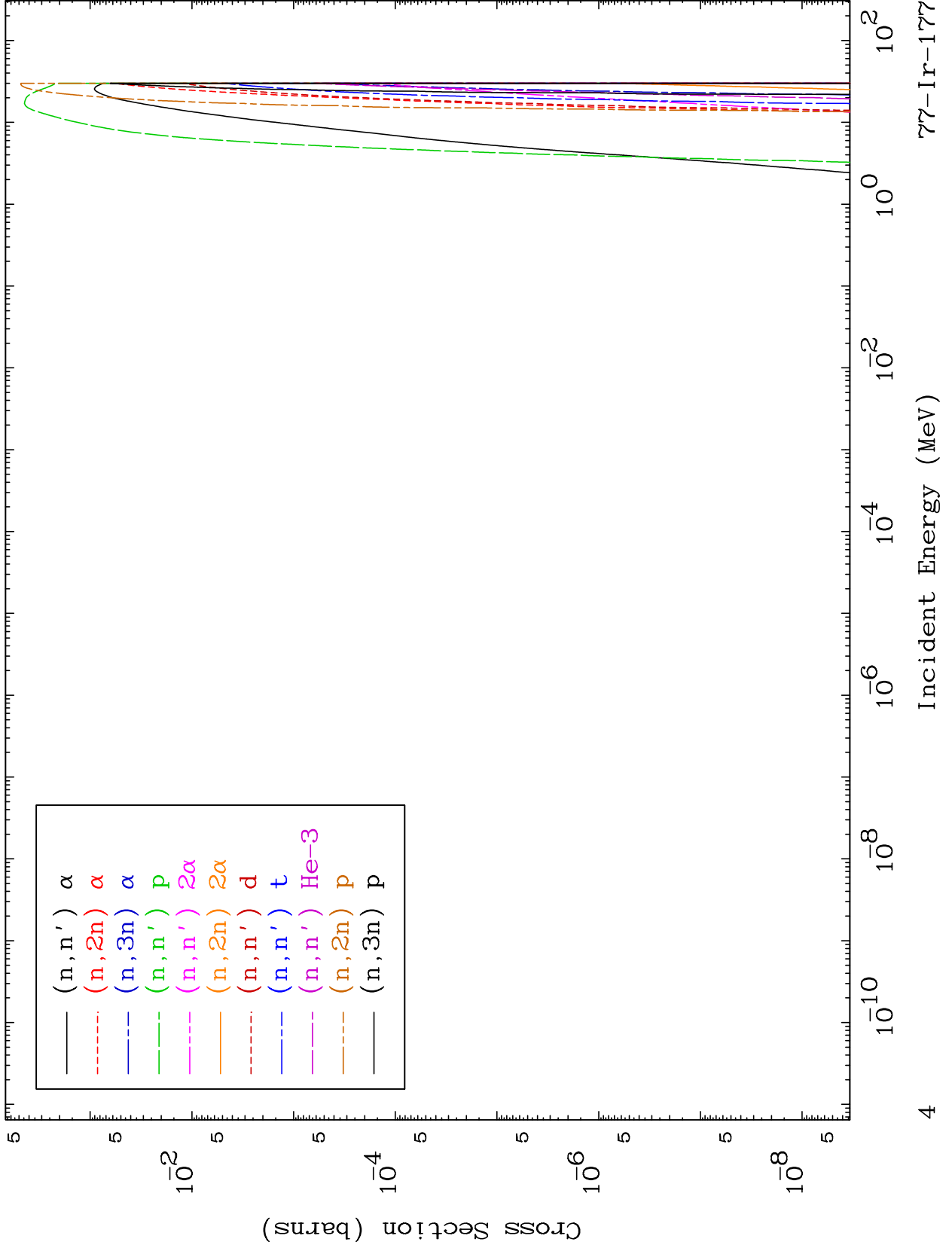


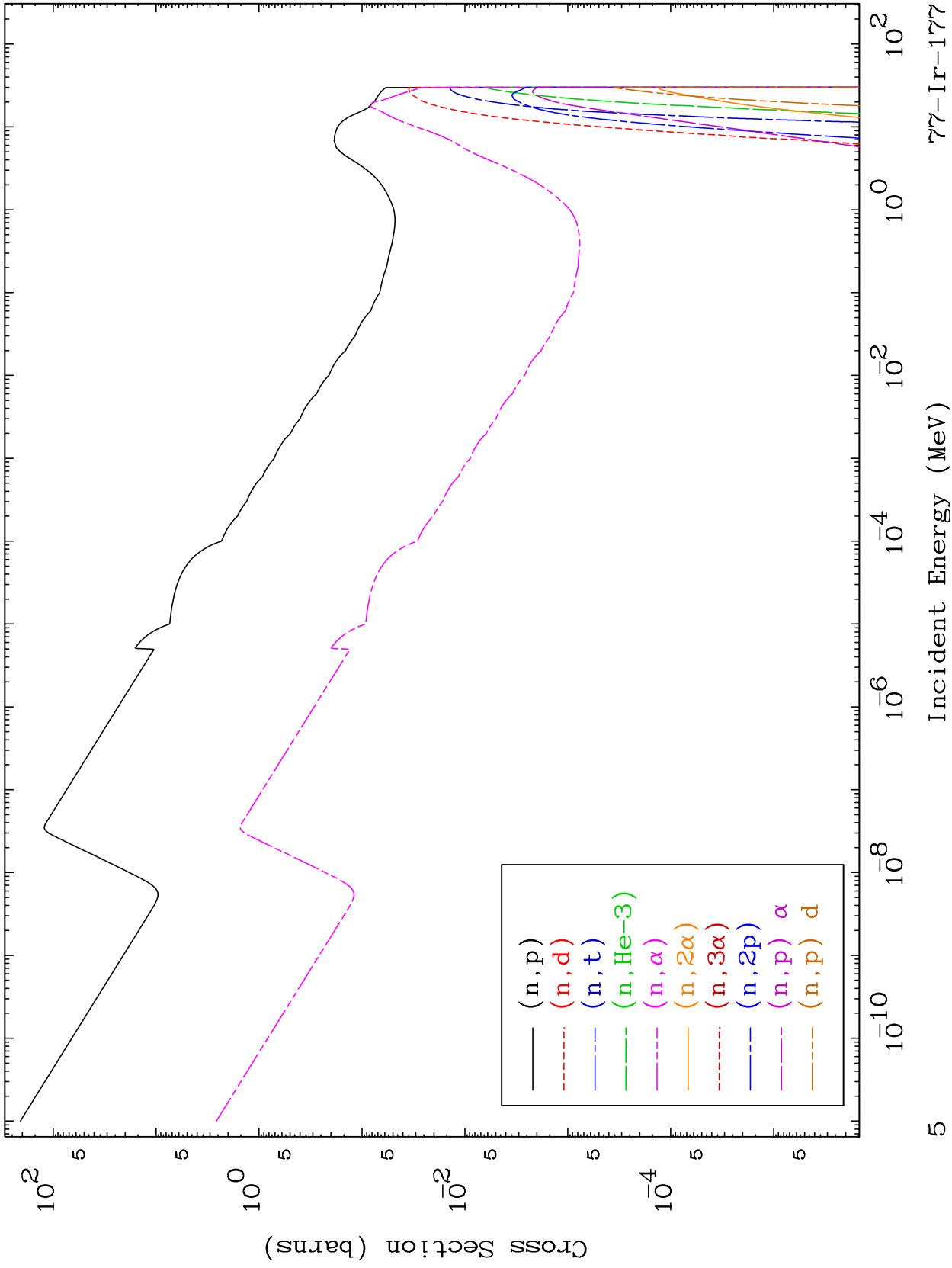


MAT 7683

Charged Particle
293 Kelvin Cross Sections

77-Ir-177

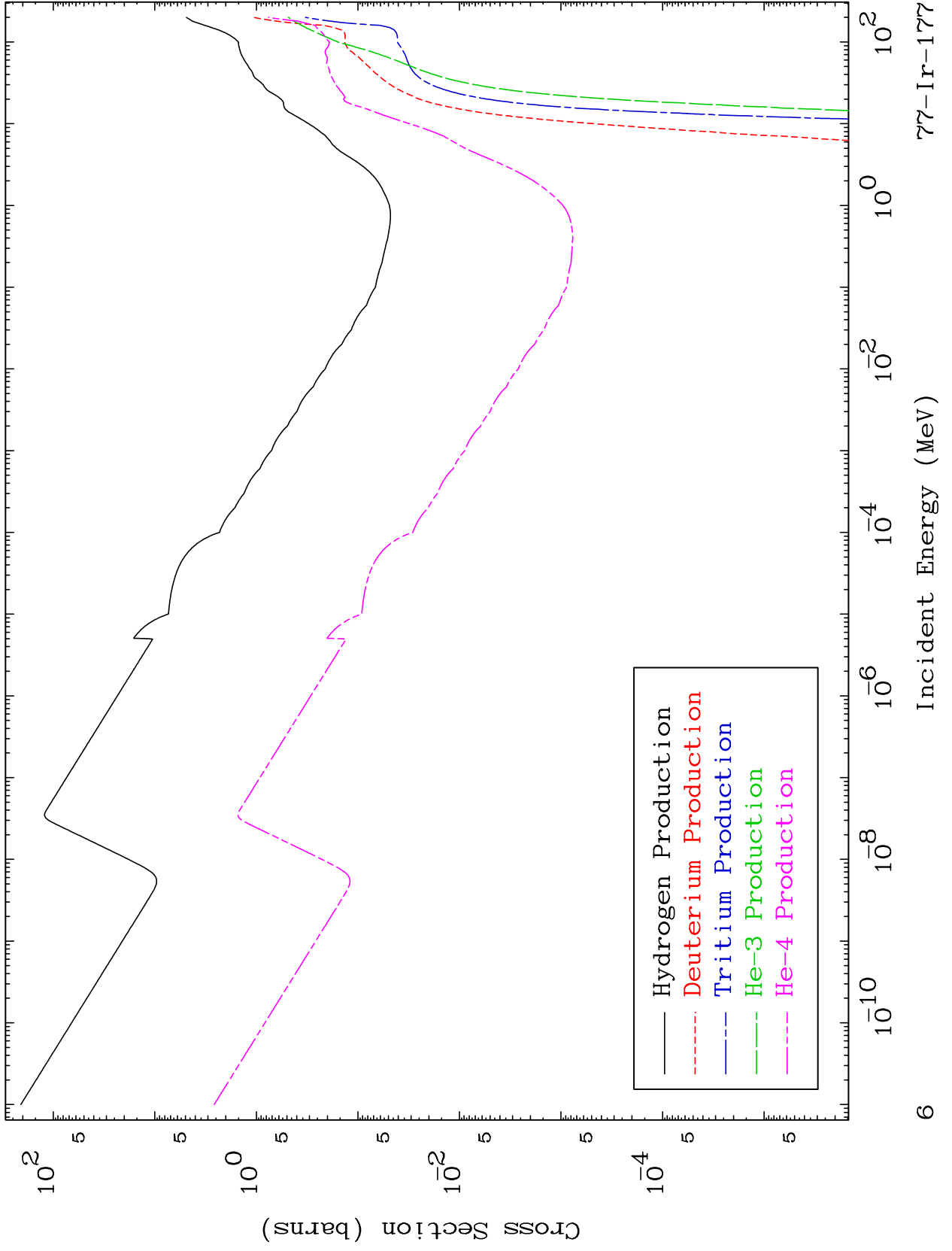


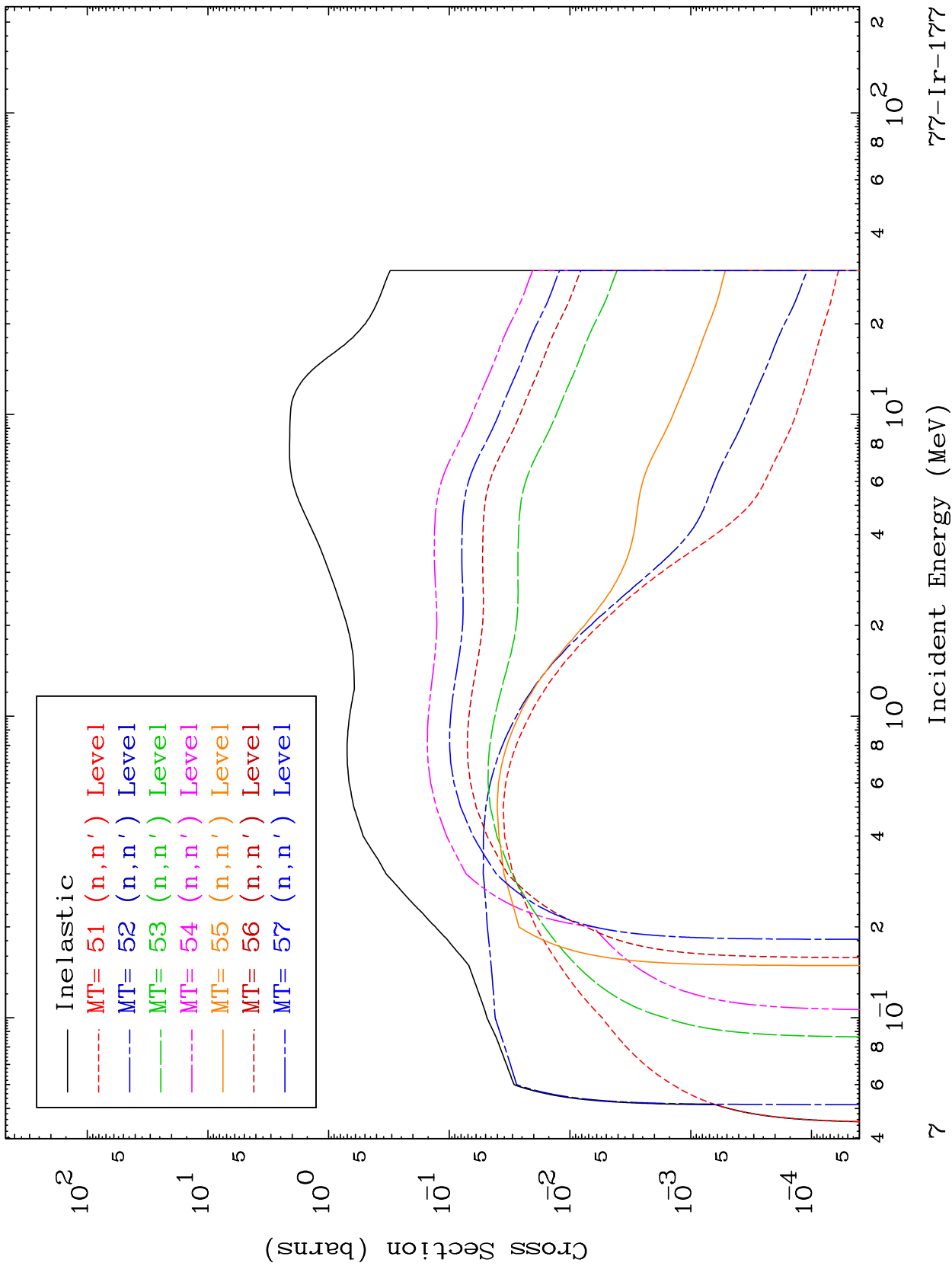


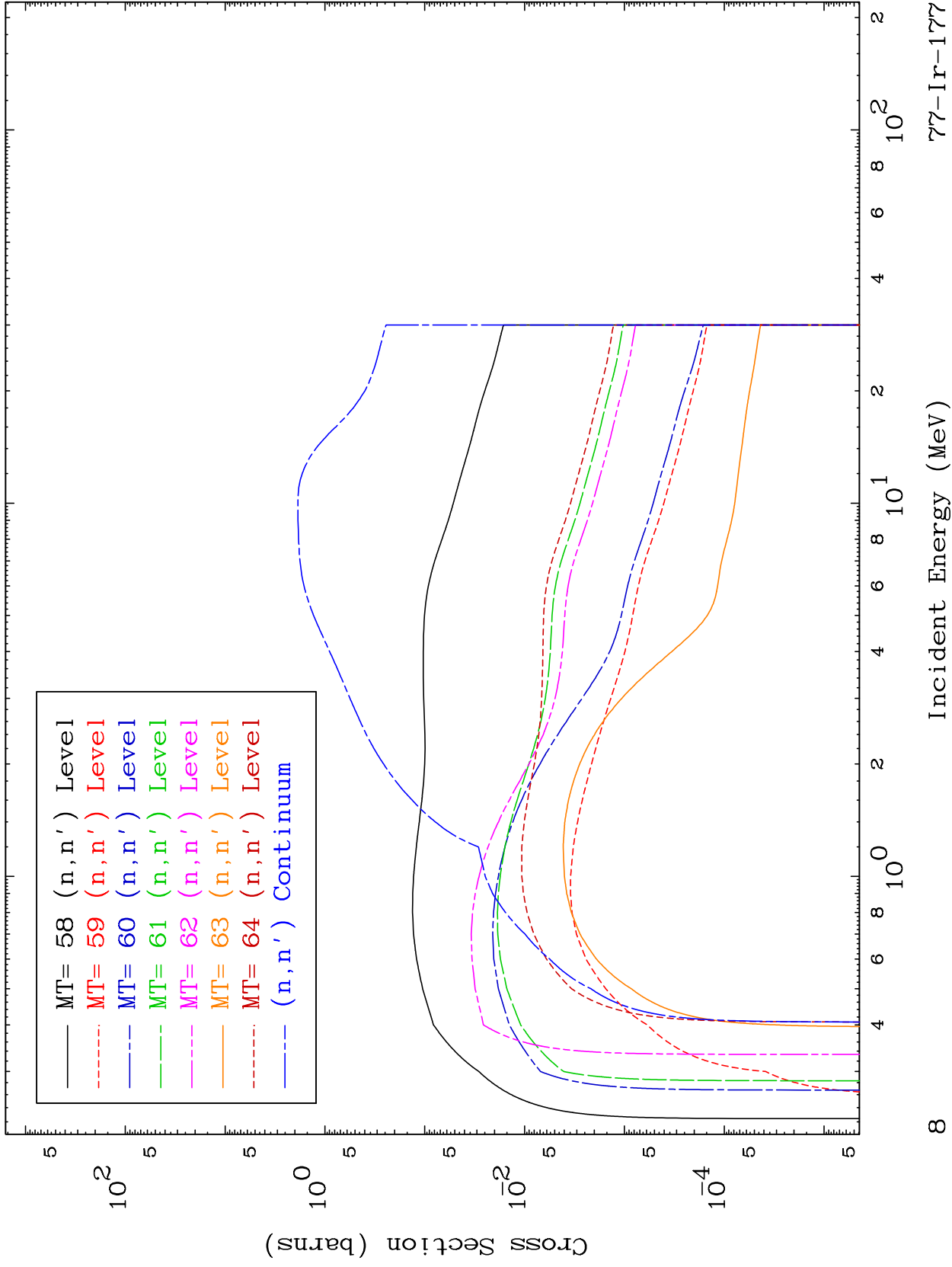
MAT 7683

Particle Production
293 Kelvin Cross Sections

77-Ir-177



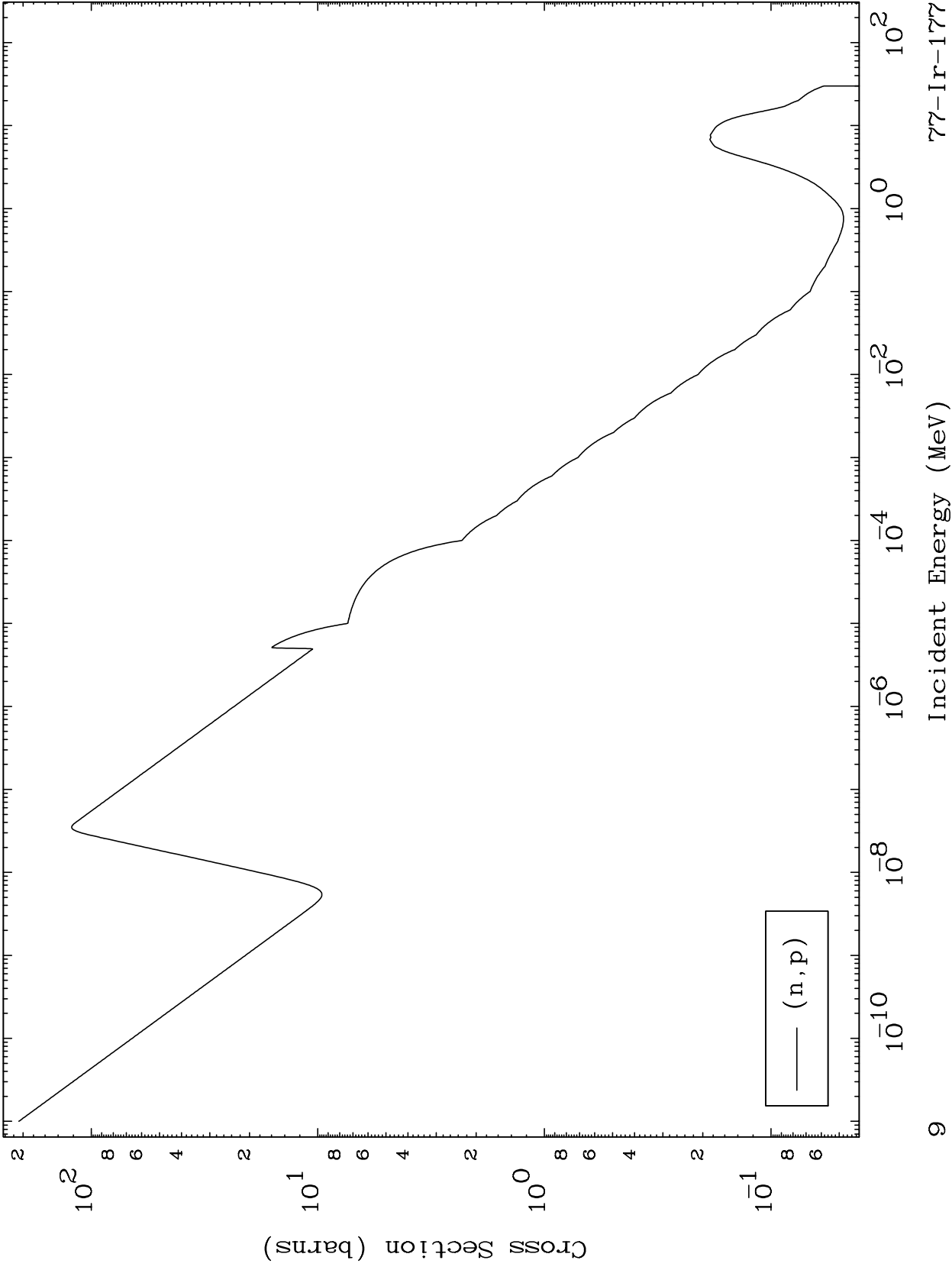




MAT 7683

(n,p) Levels
293 Kelvin Cross Sections

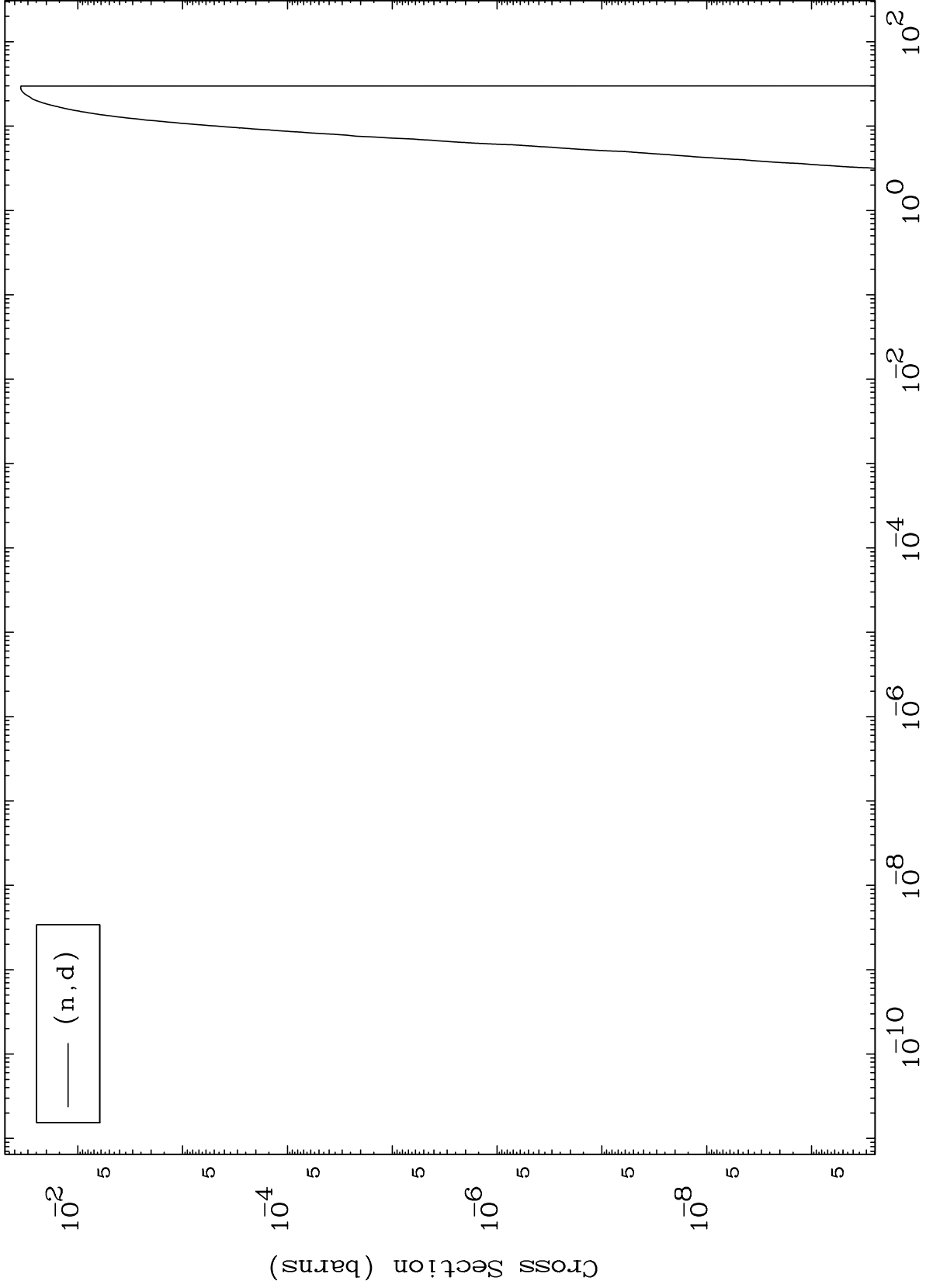
77-Ir-177



MAT 7683

(n,d) Levels
293 Kelvin Cross Sections

⁷⁷Ir-177



(n,d)

10

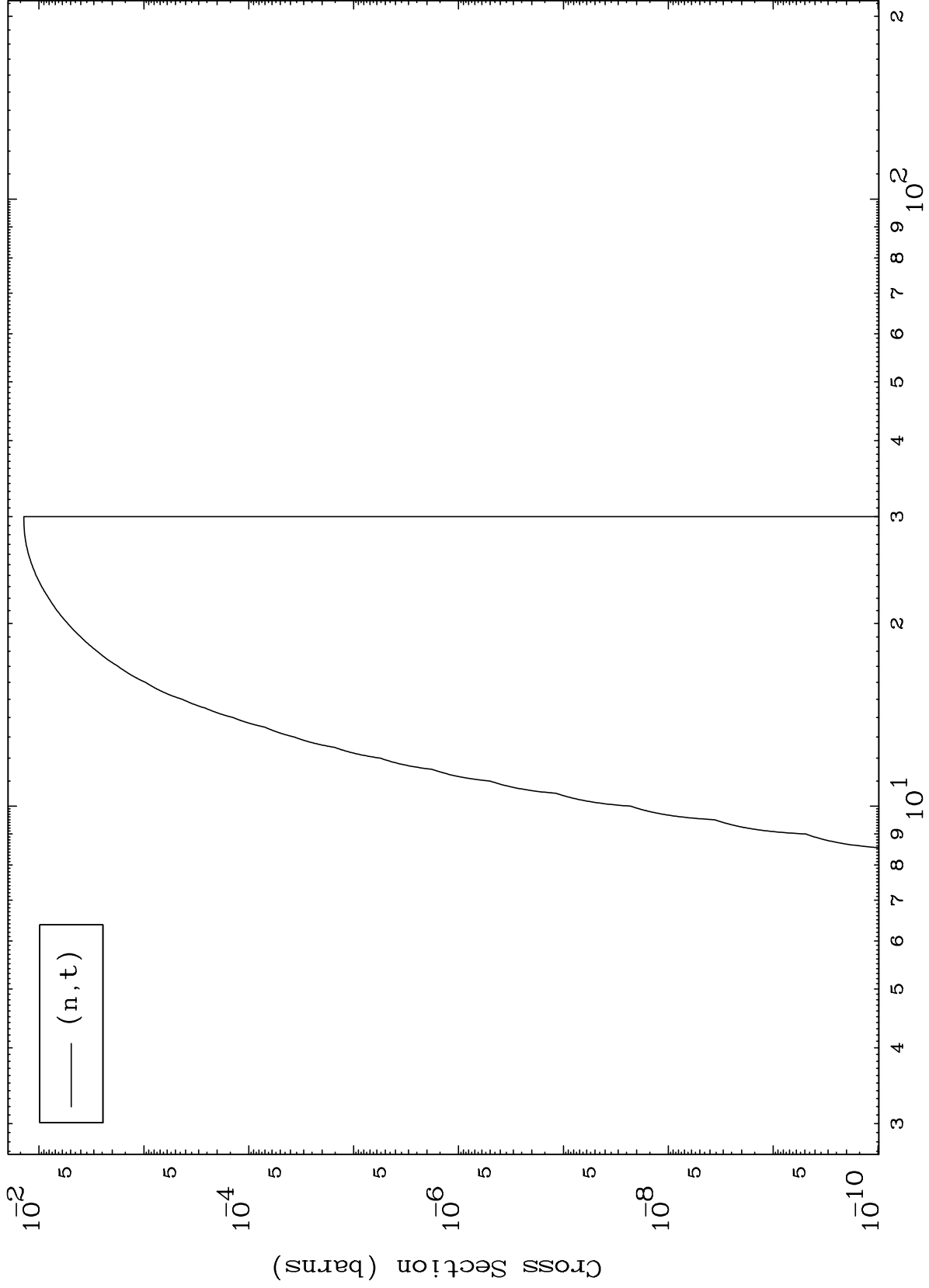
Incident Energy (MeV)

⁷⁷Ir-177

MAT 7683

(n,t) Levels
293 Kelvin Cross Sections

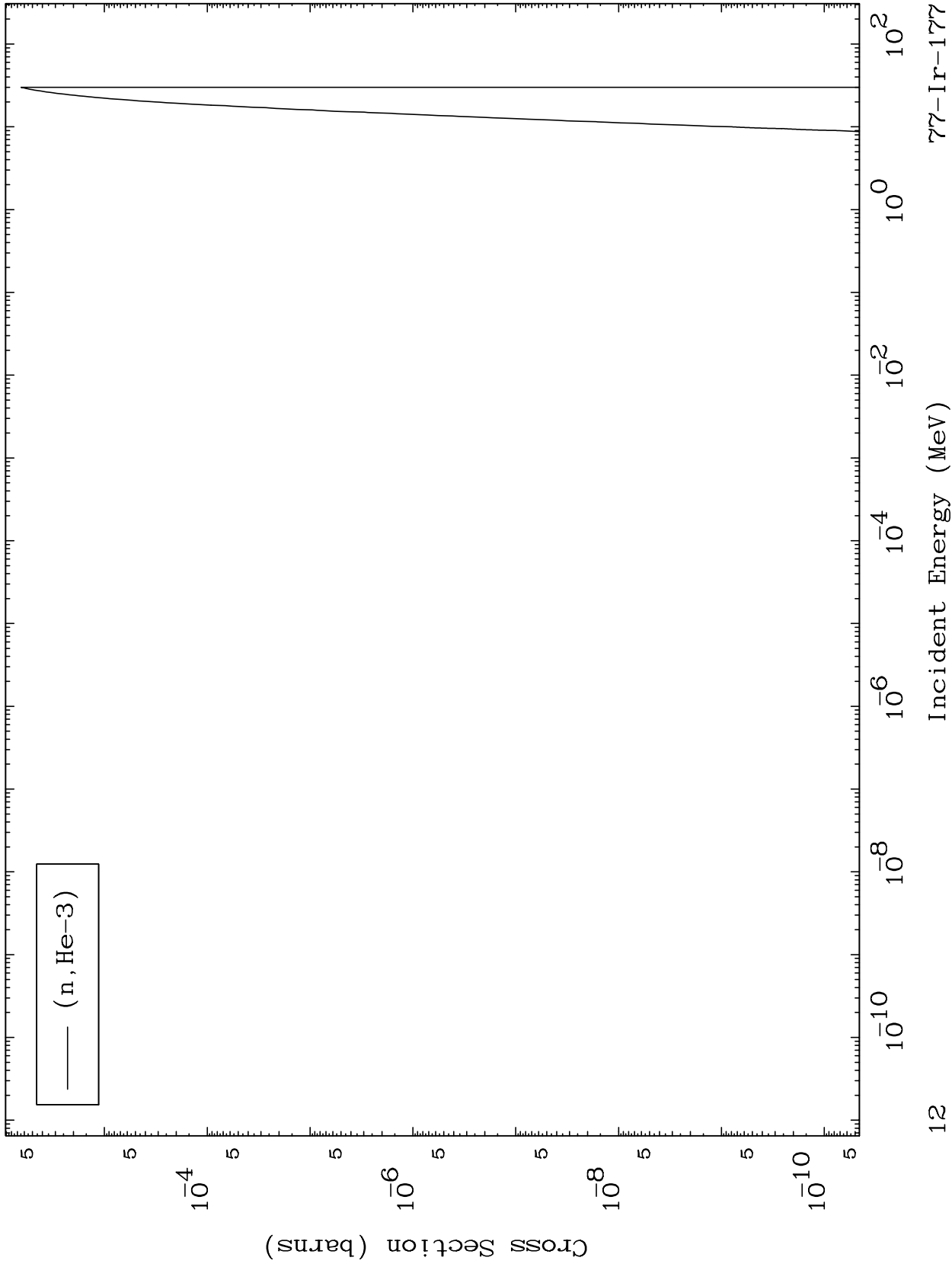
⁷⁷Ir-177



MAT 7683

(n,He3) Levels
293 Kelvin Cross Sections

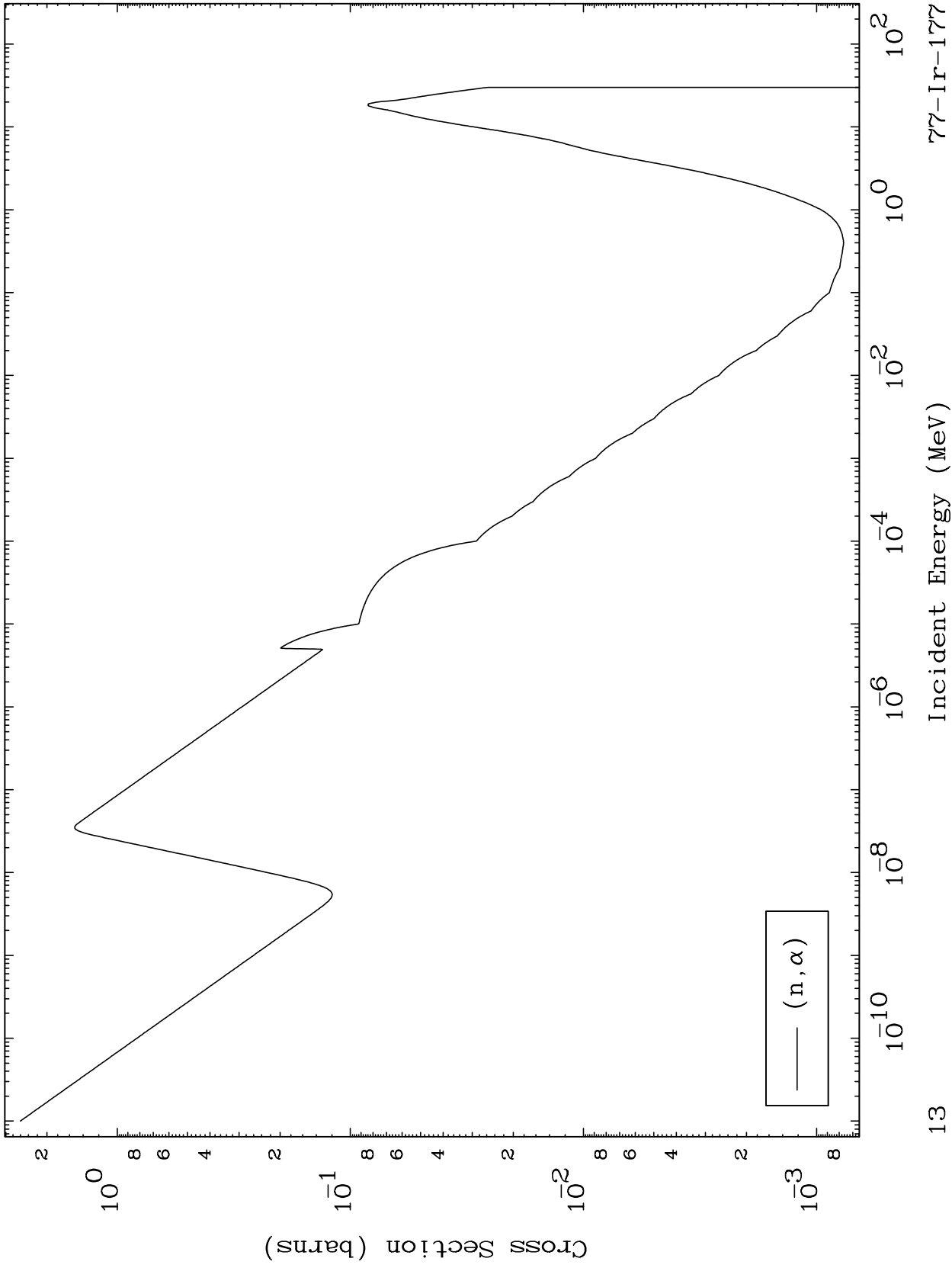
77-Ir-177

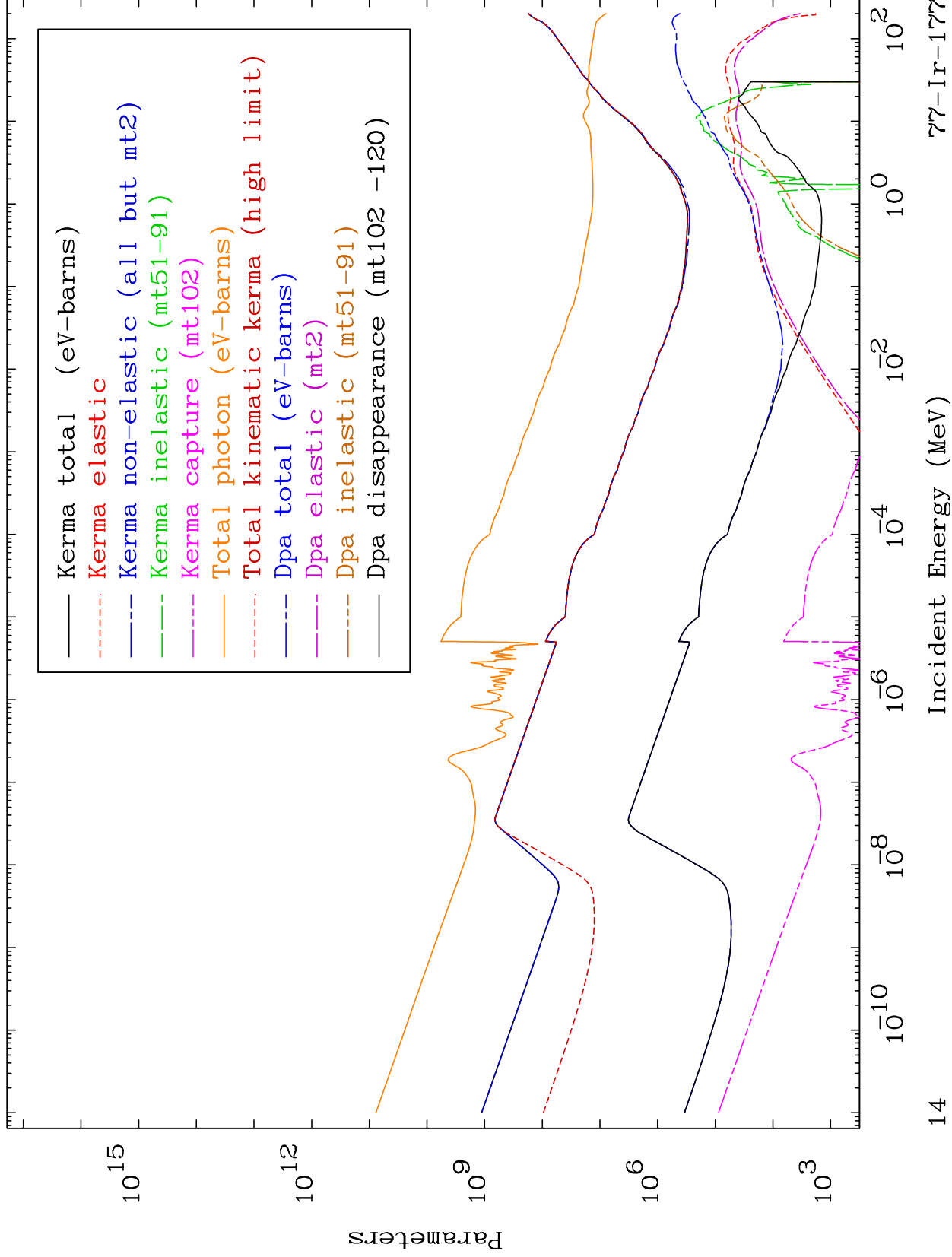


MAT 7683

(n,α) Levels
293 Kelvin Cross Sections

77-Ir-177

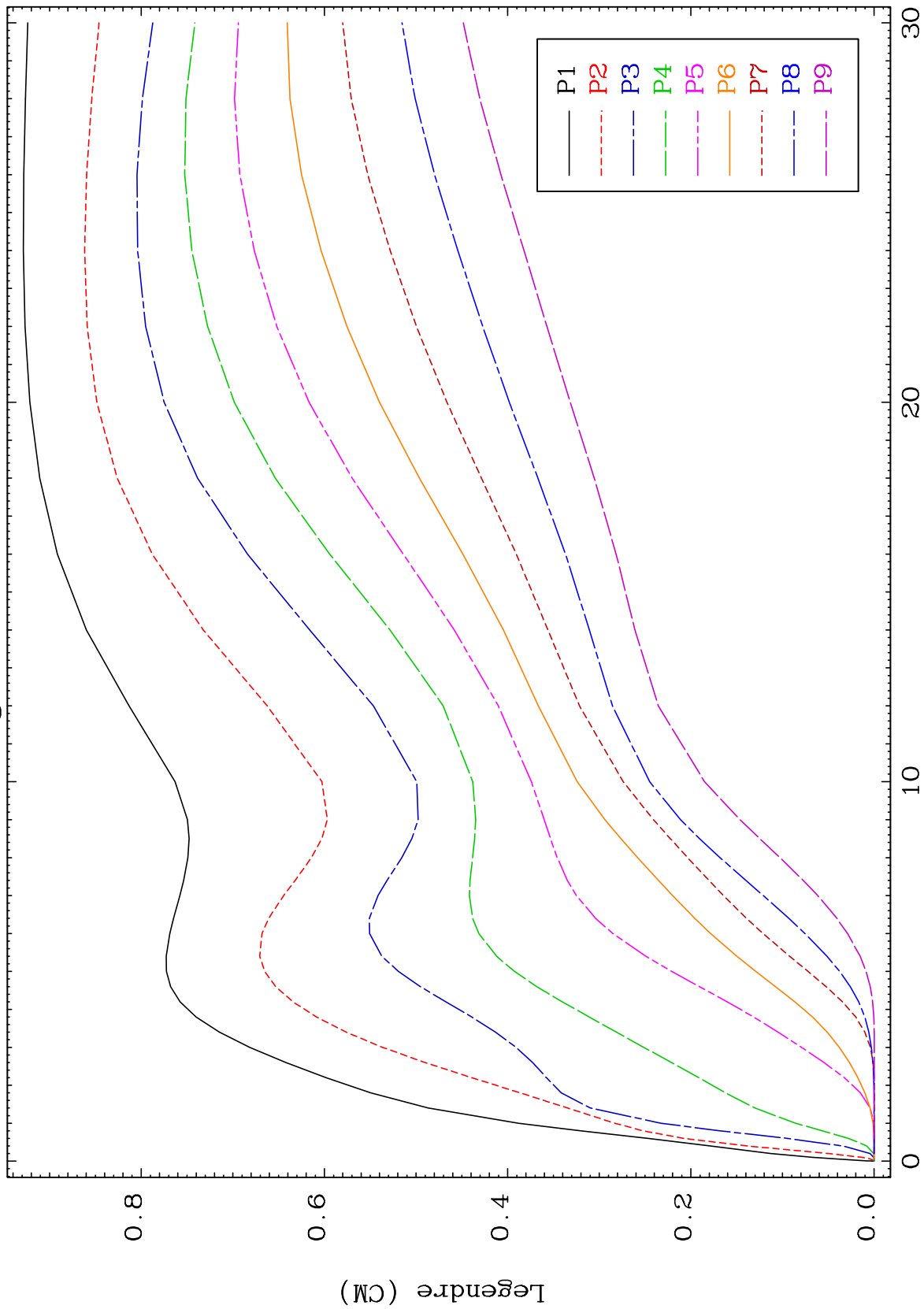




MAT 7683

Elastic Legendre Coefficients

⁷⁷Ir-177



⁷⁷Ir-177

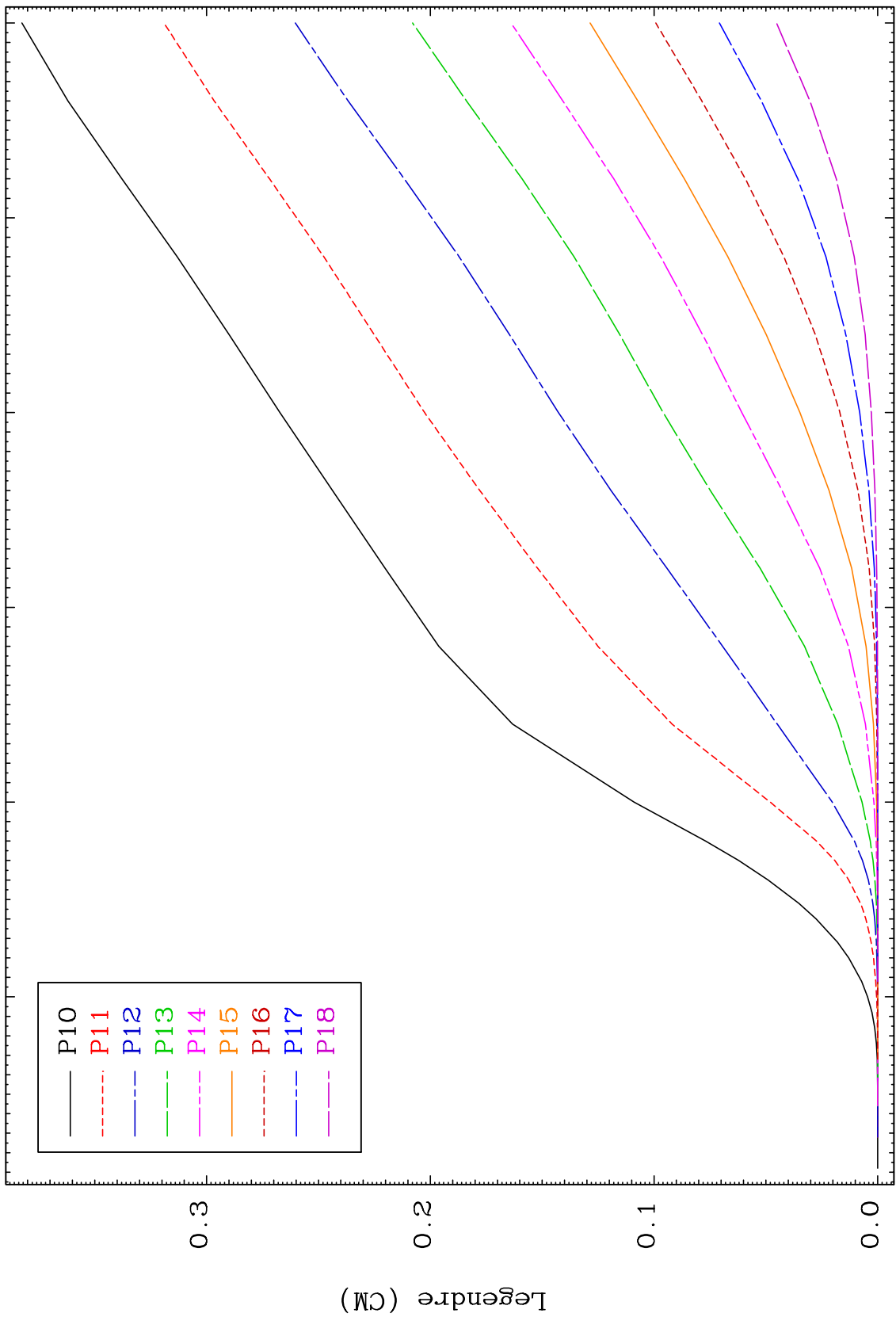
Incident Energy (MeV)

15

MAT 7683

Elastic Legendre Coefficients

⁷⁷Ir-177



16

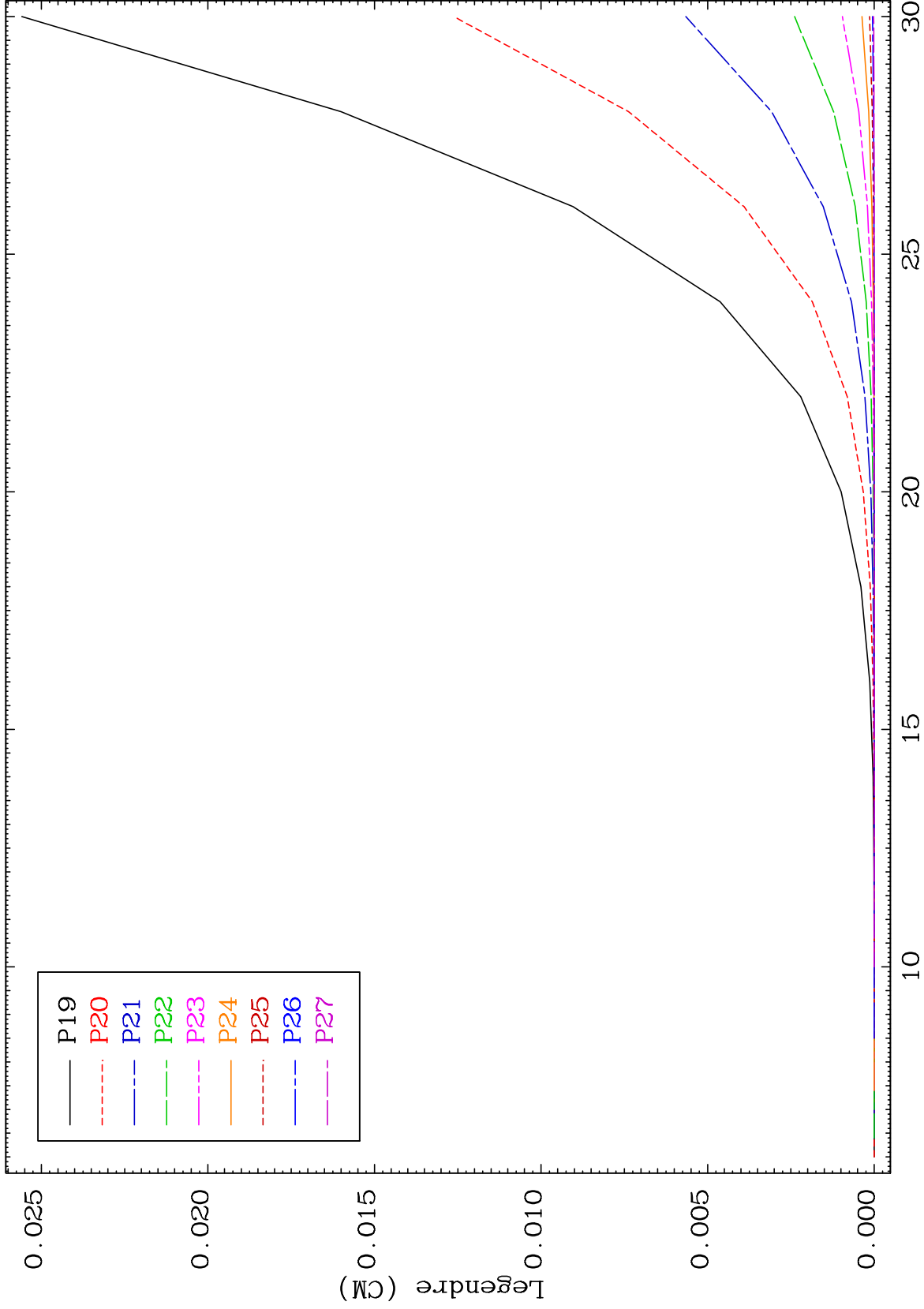
Incident Energy (MeV)

⁷⁷Ir-177

MAT 7683

Elastic Legendre Coefficients

⁷⁷Ir-177



17

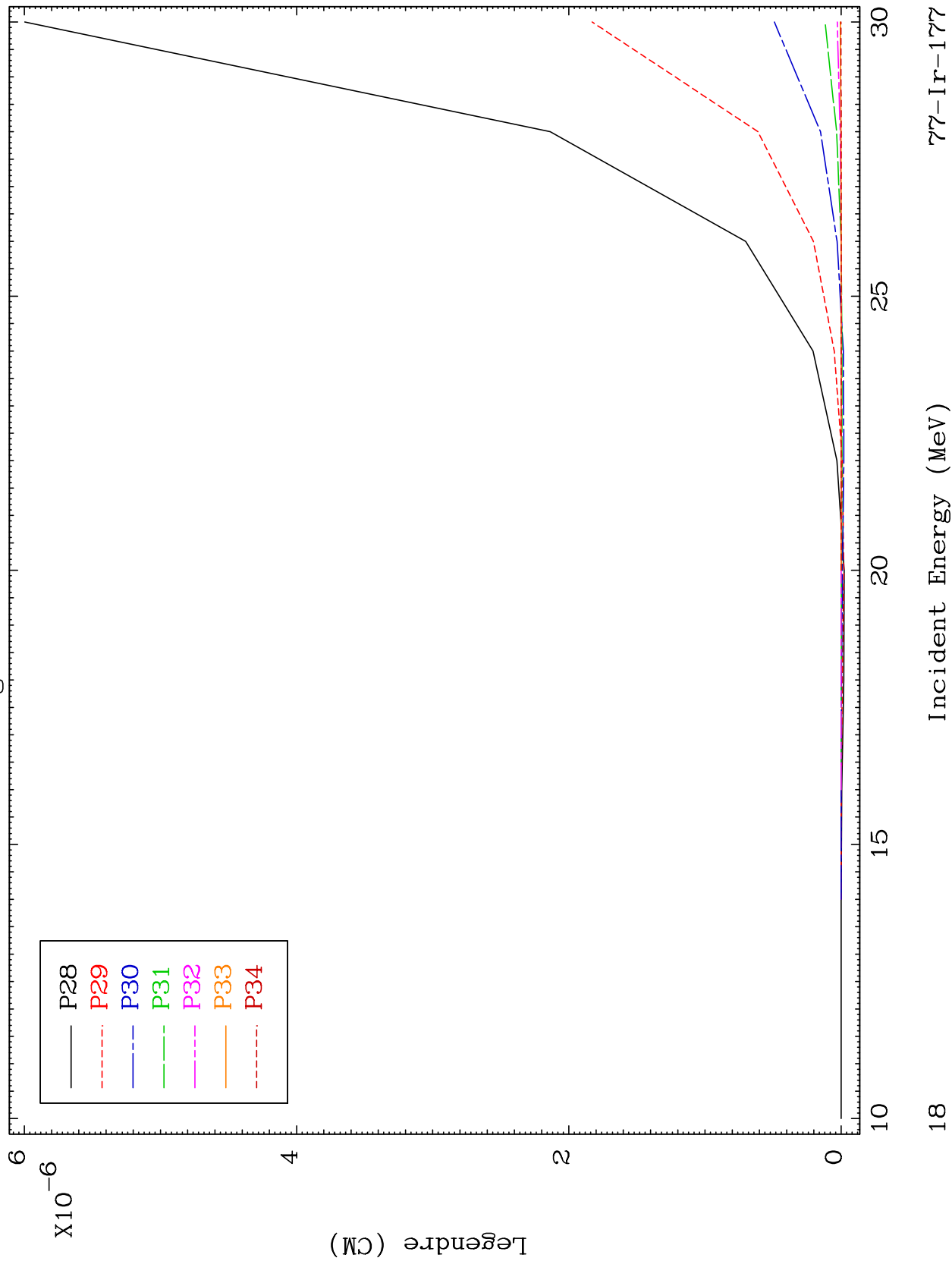
Incident Energy (MeV)

⁷⁷Ir-177

MAT 7683

Elastic
Legendre Coefficients

⁷⁷Ir-177



18

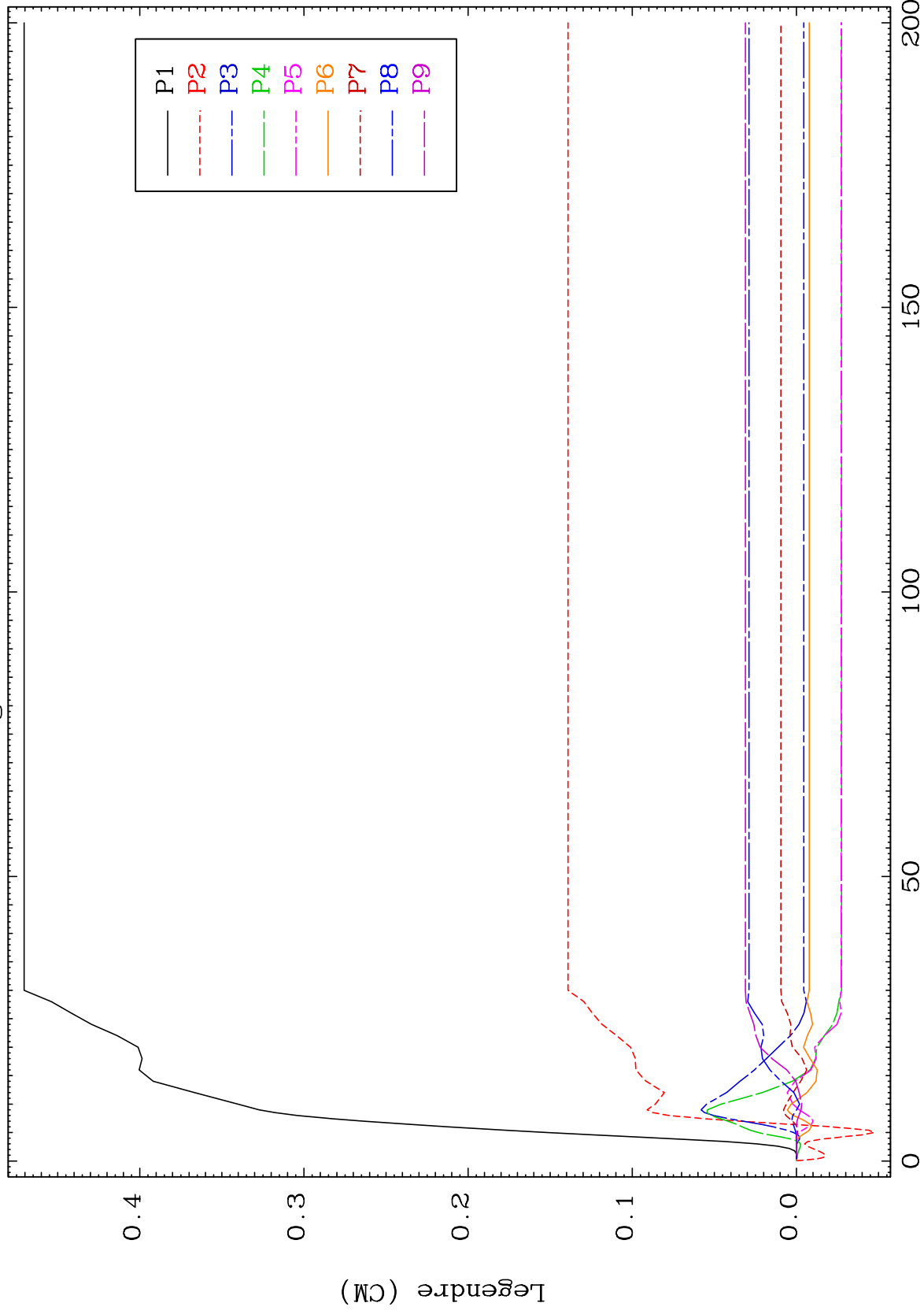
Incident Energy (MeV)

⁷⁷Ir-177

MAT 7683

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

77-Ir-177



19

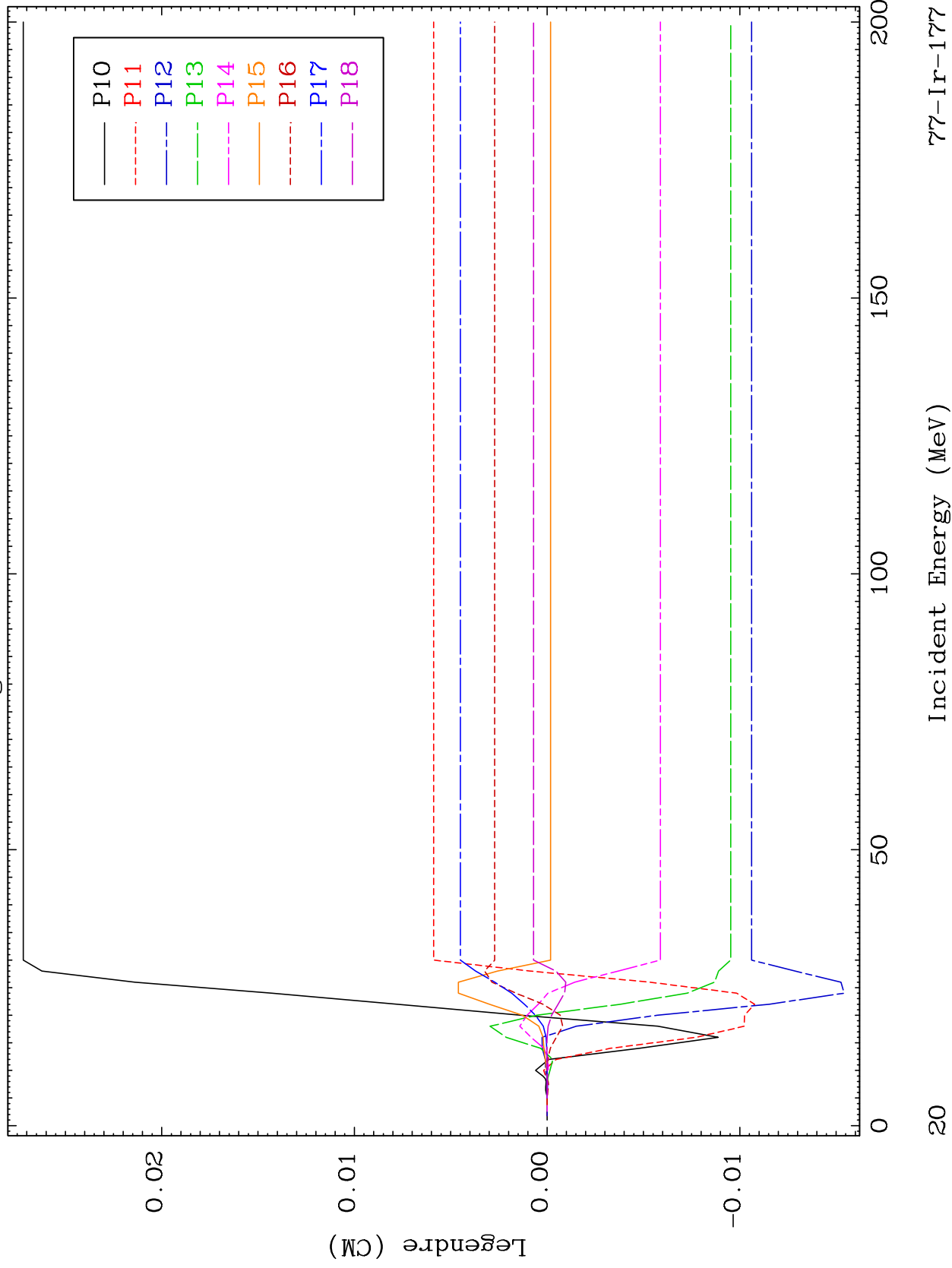
Incident Energy (MeV)

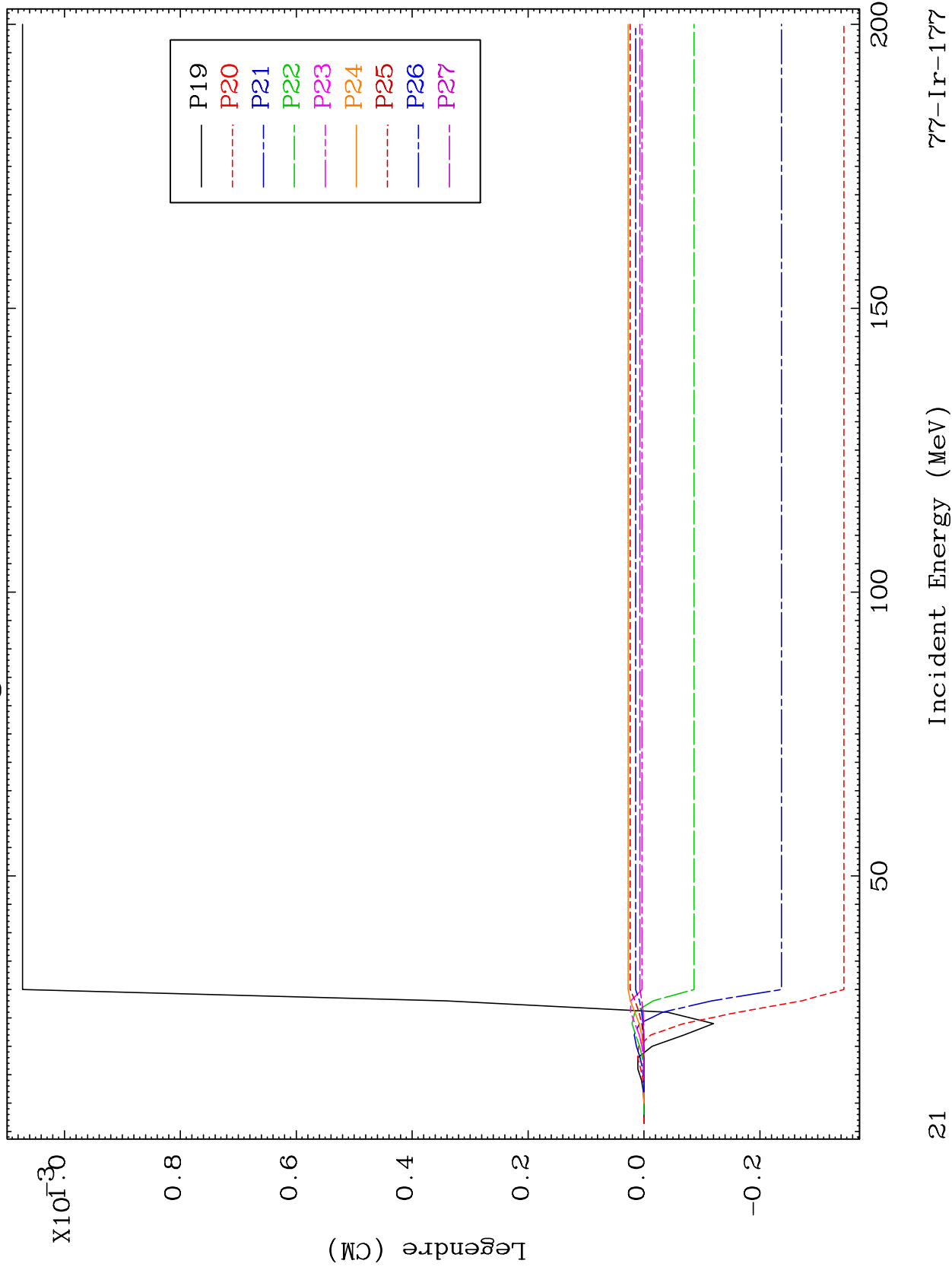
77-Ir-177

MAT 7683

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

77-Ir-177

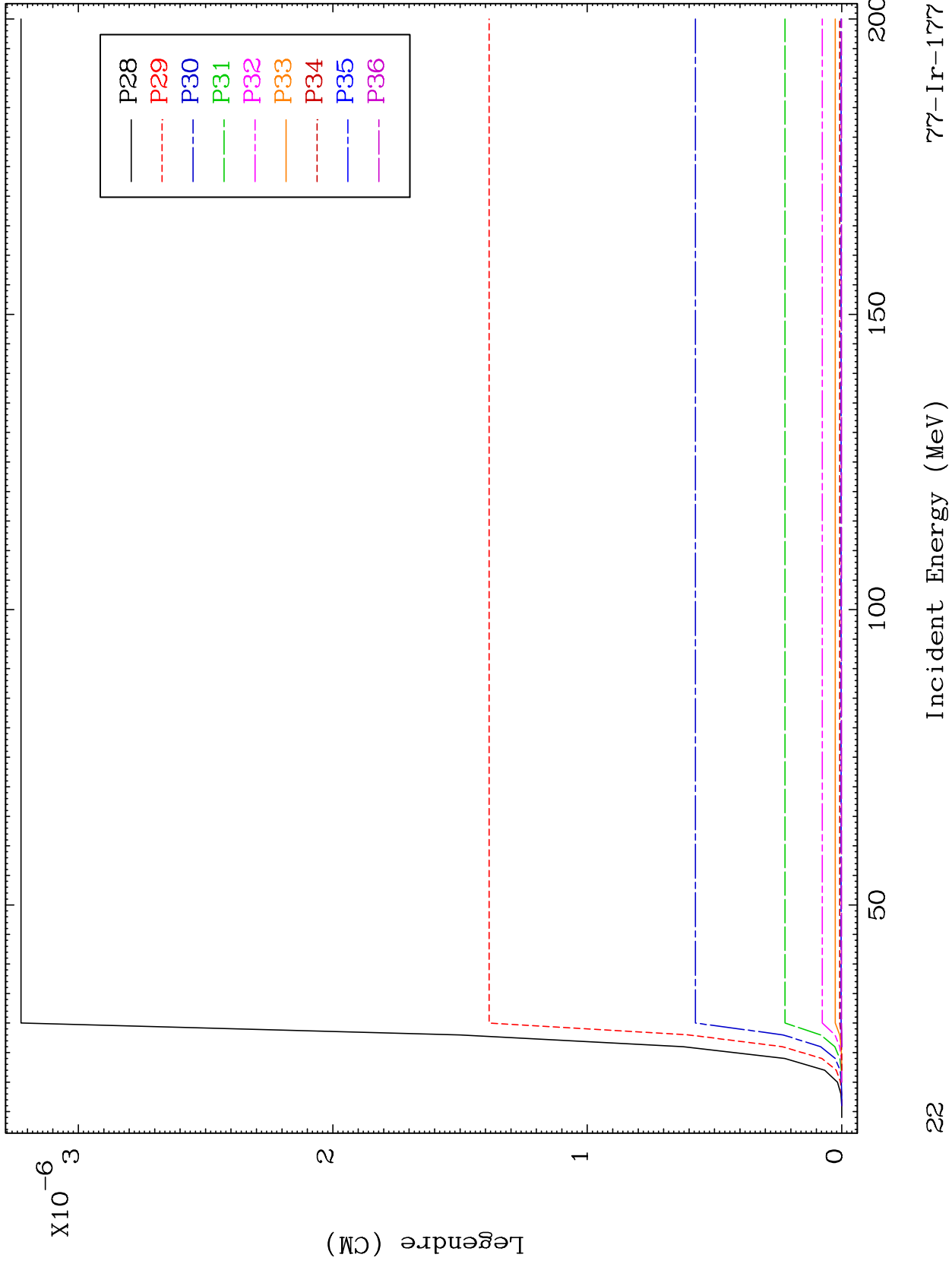




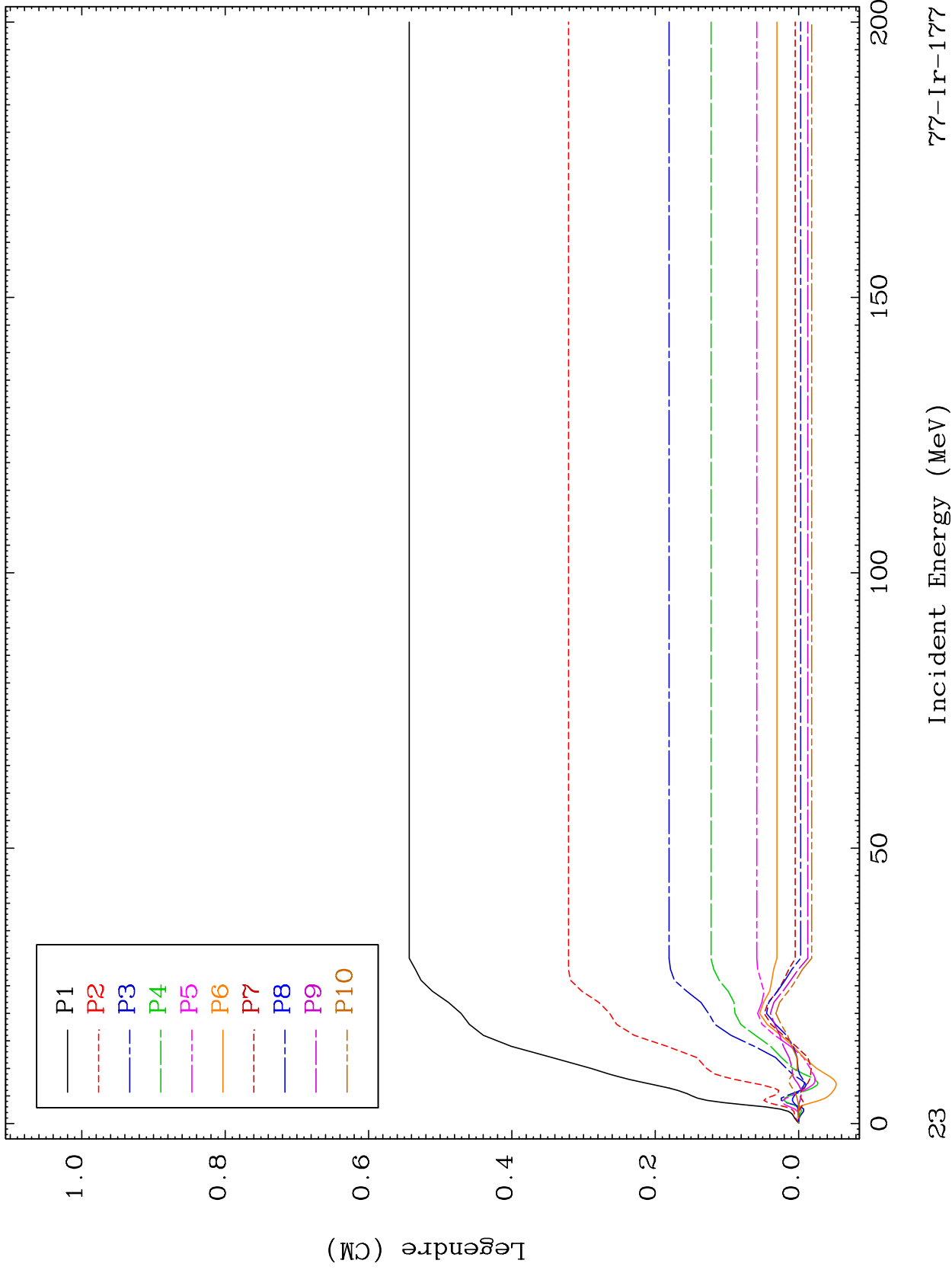
MAT 7683

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

77-Ir-177



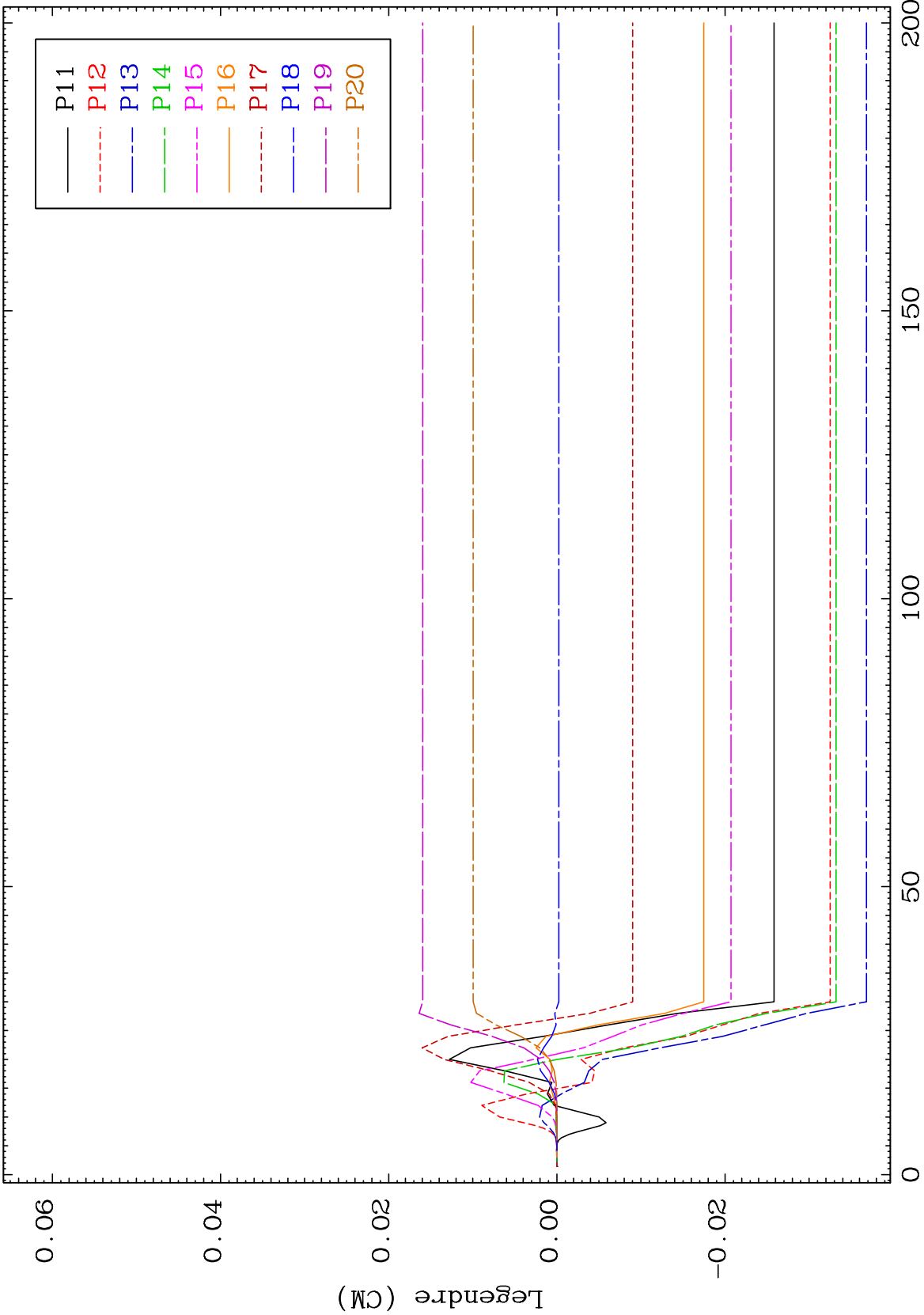
22



MAT 7683

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

77-Ir-177



24

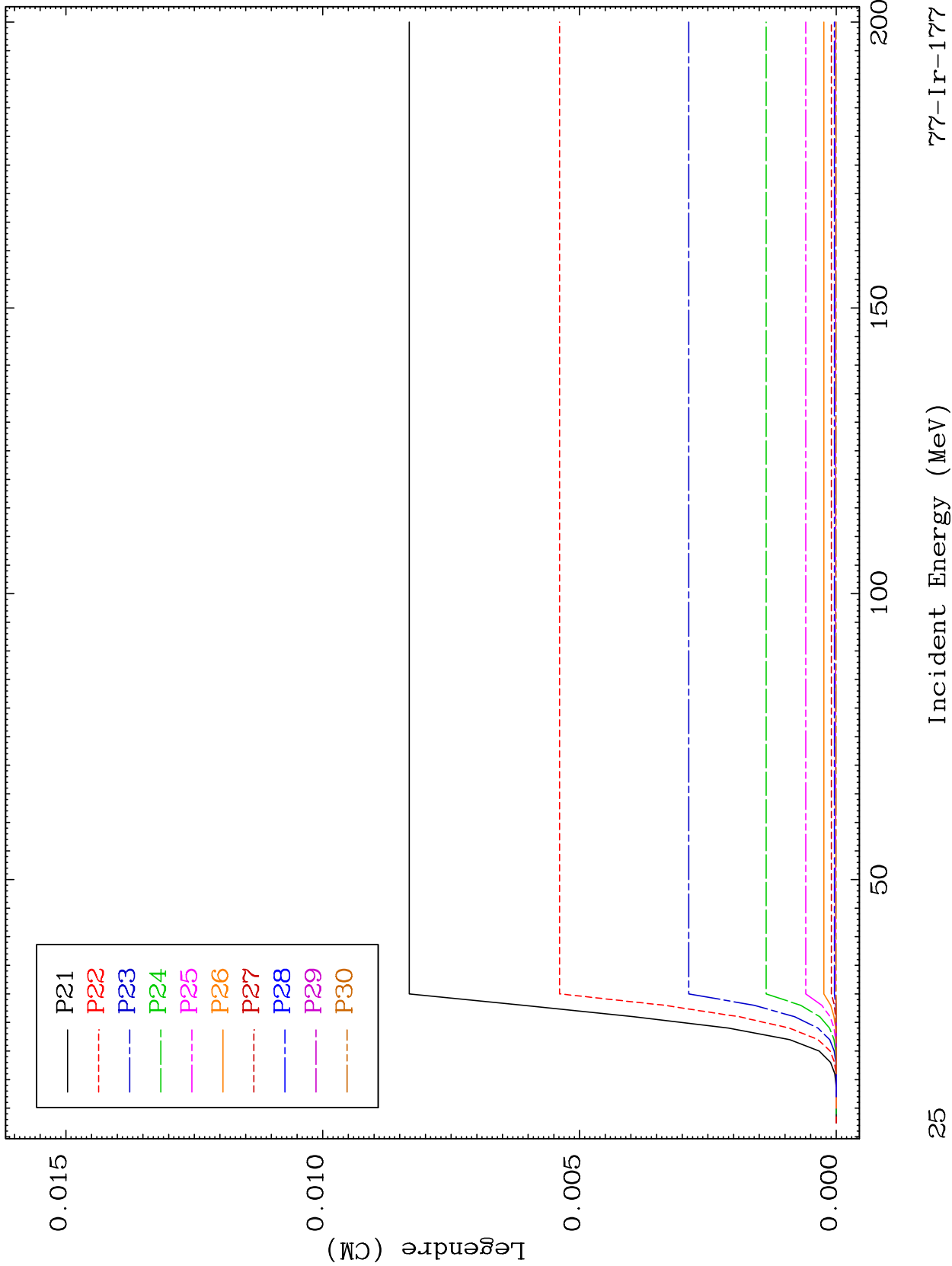
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

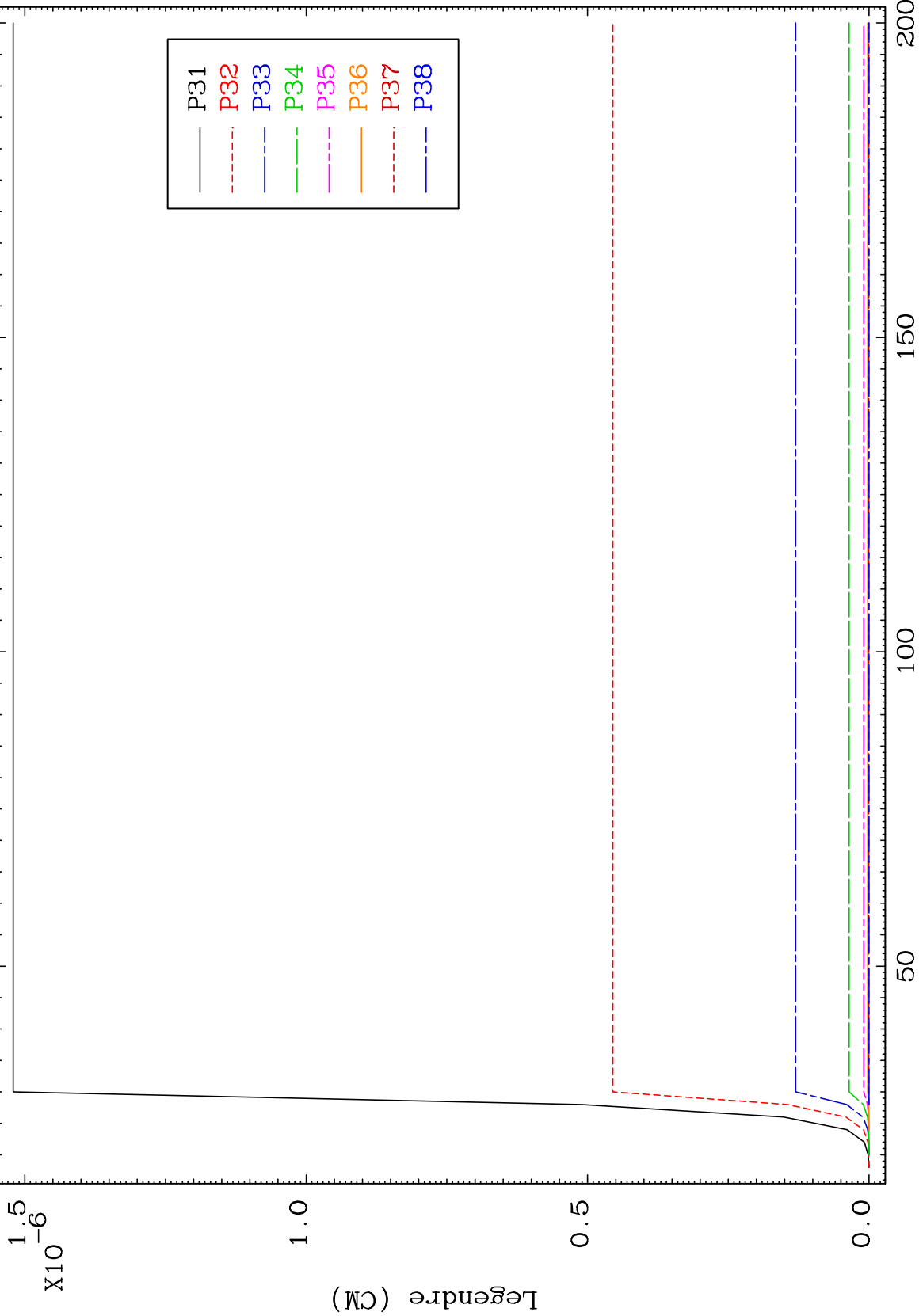
77-Ir-177

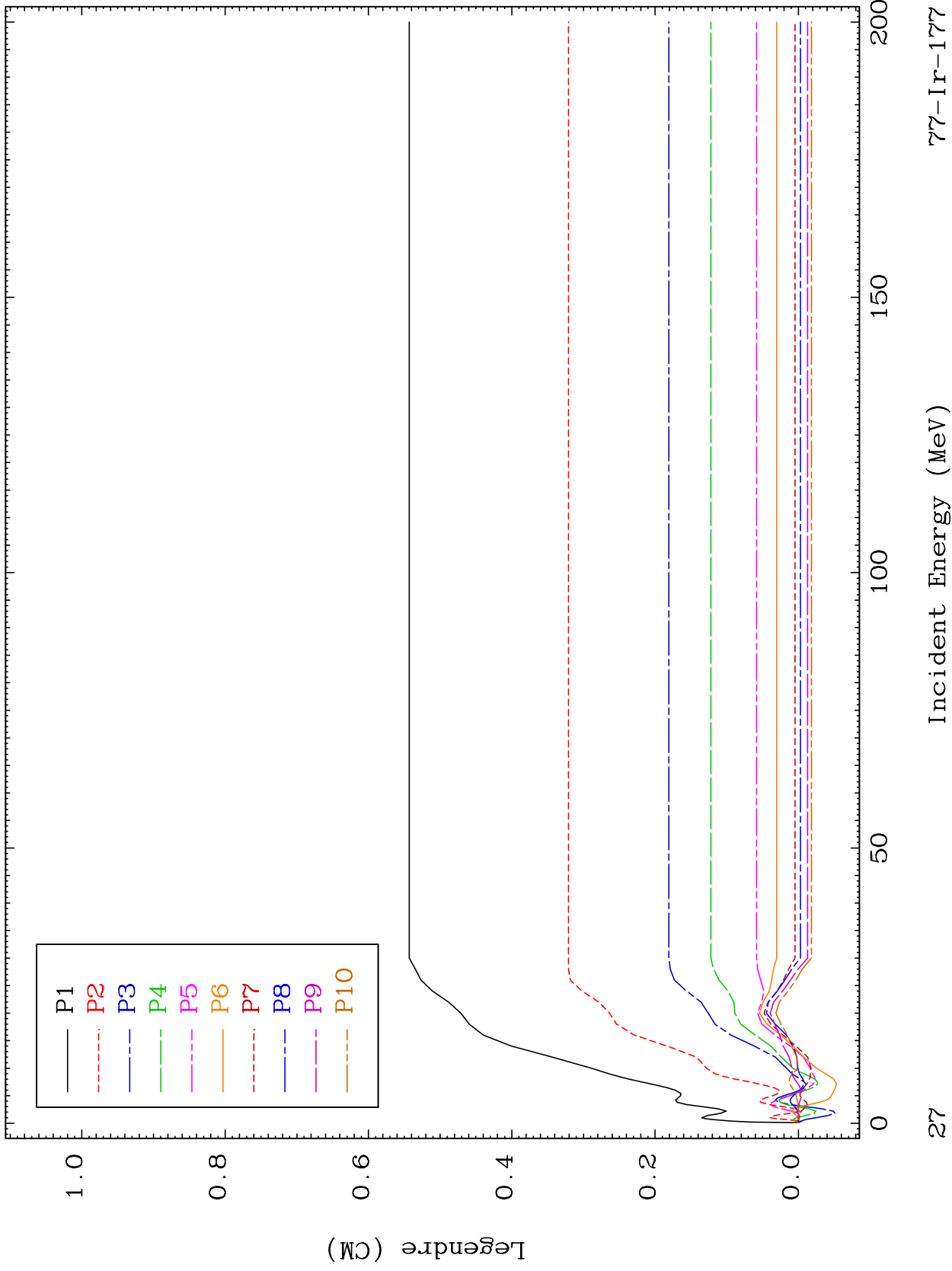


25

Incident Energy (MeV)

77-Ir-177

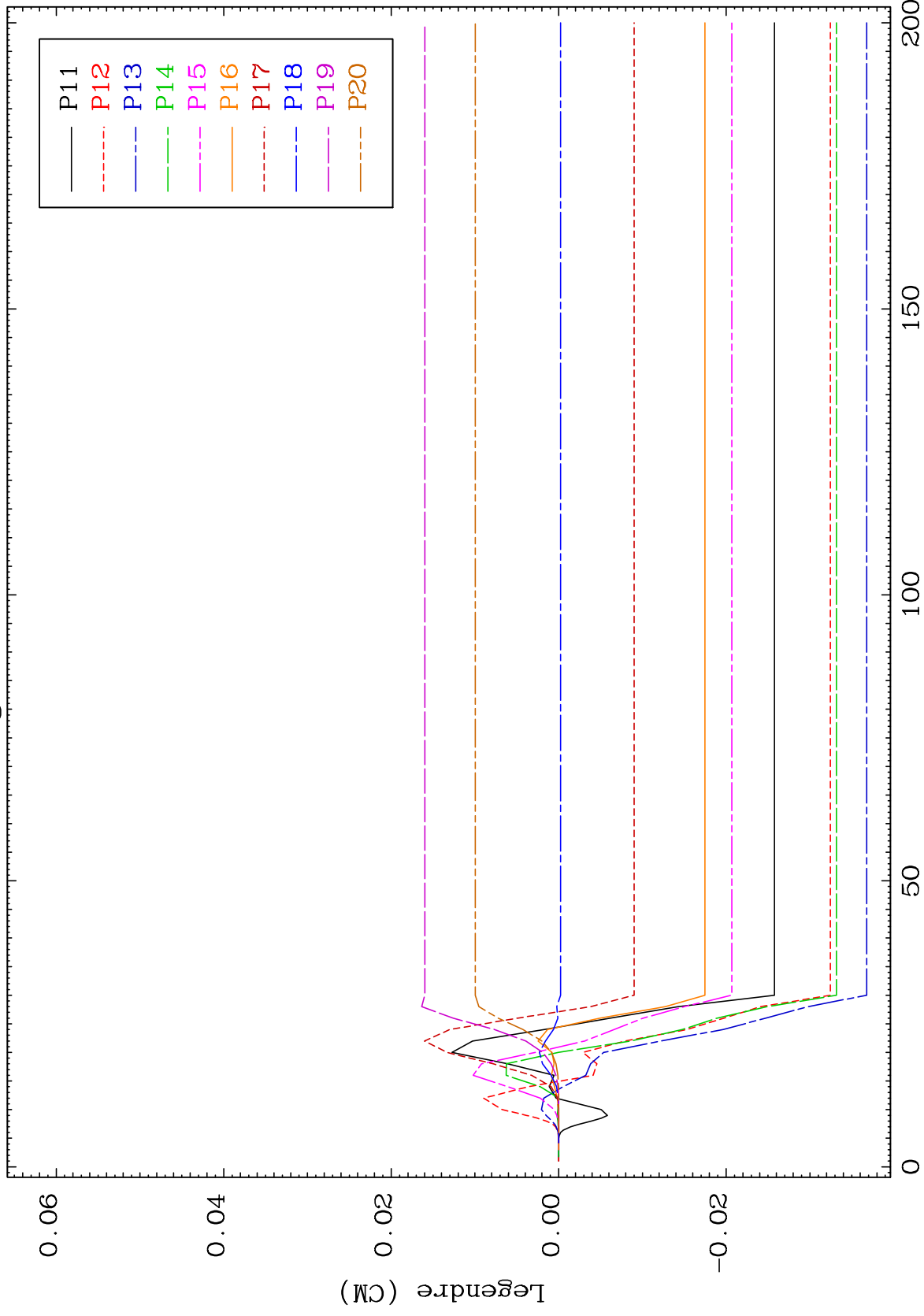




MAT 7683

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

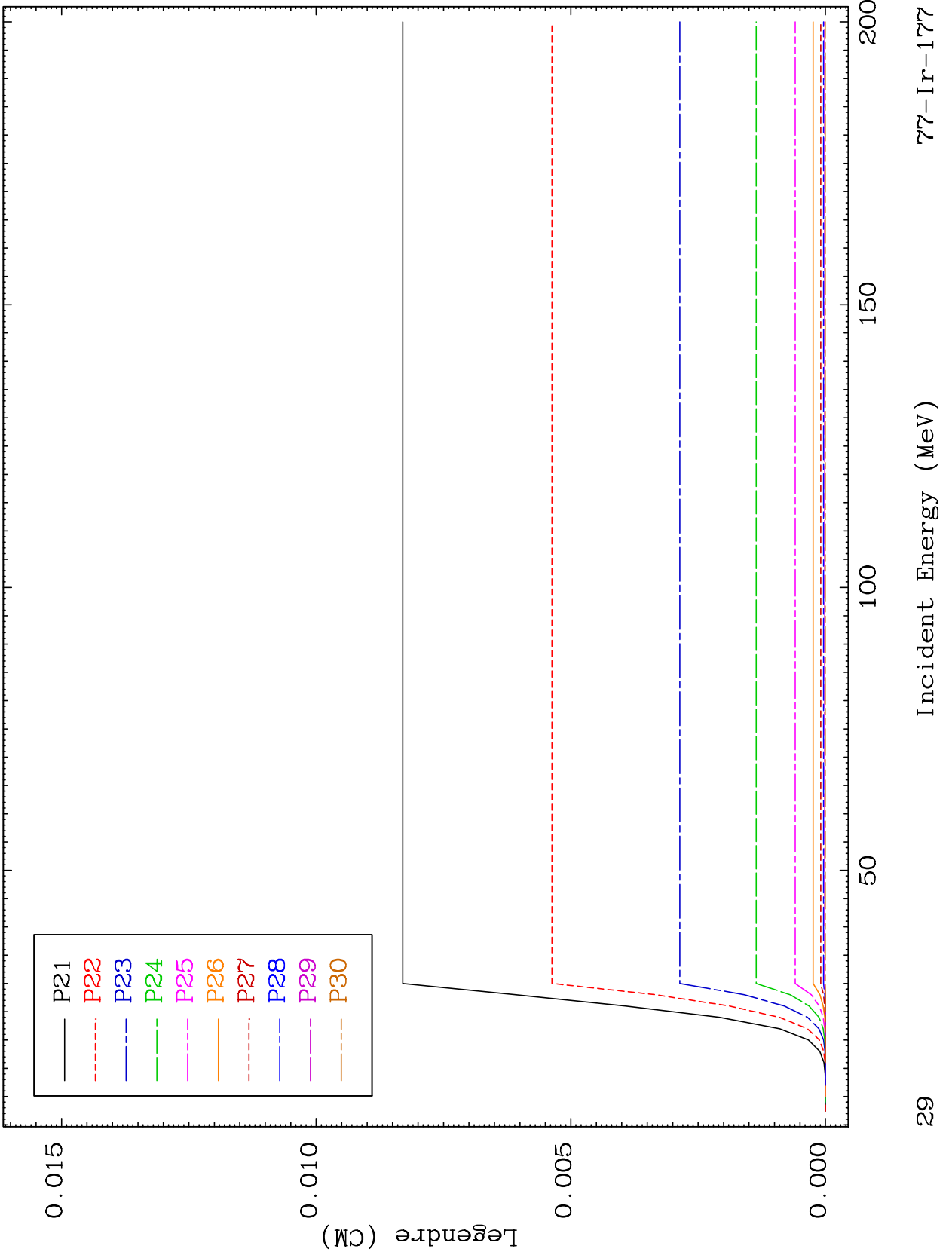
77-Ir-177



28

Incident Energy (MeV)

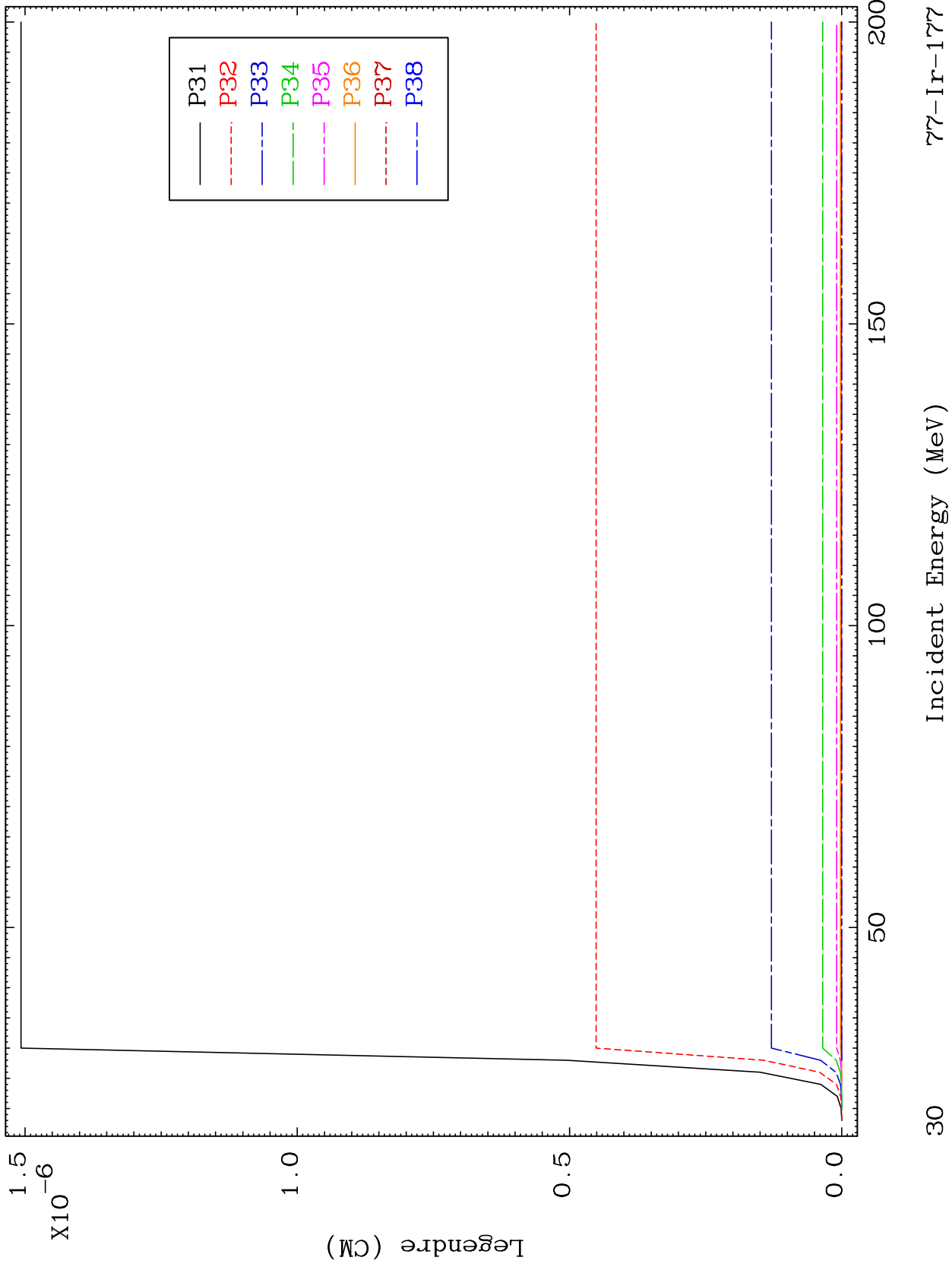
77-Ir-177

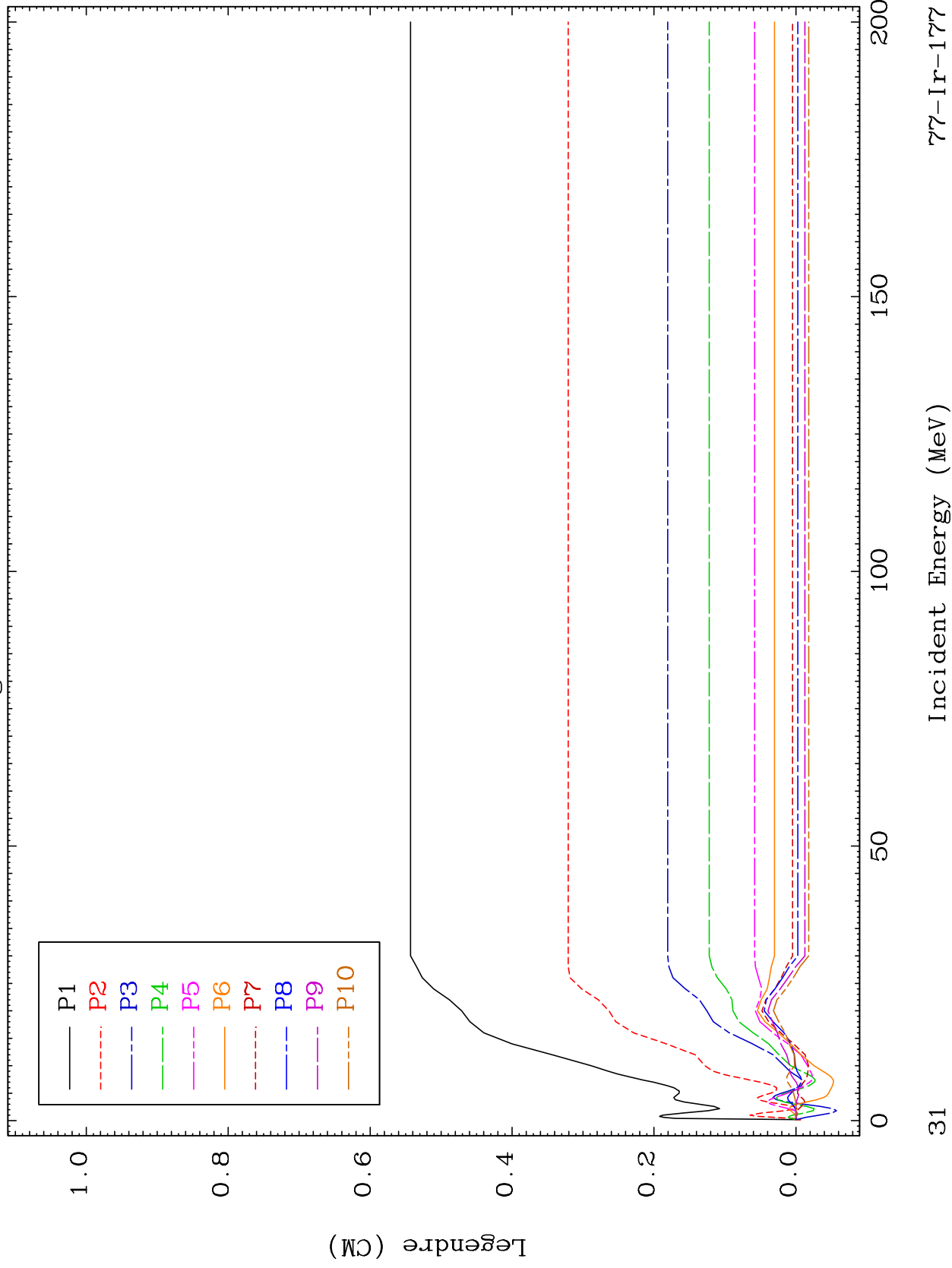


MAT 7683

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

77-Ir-177

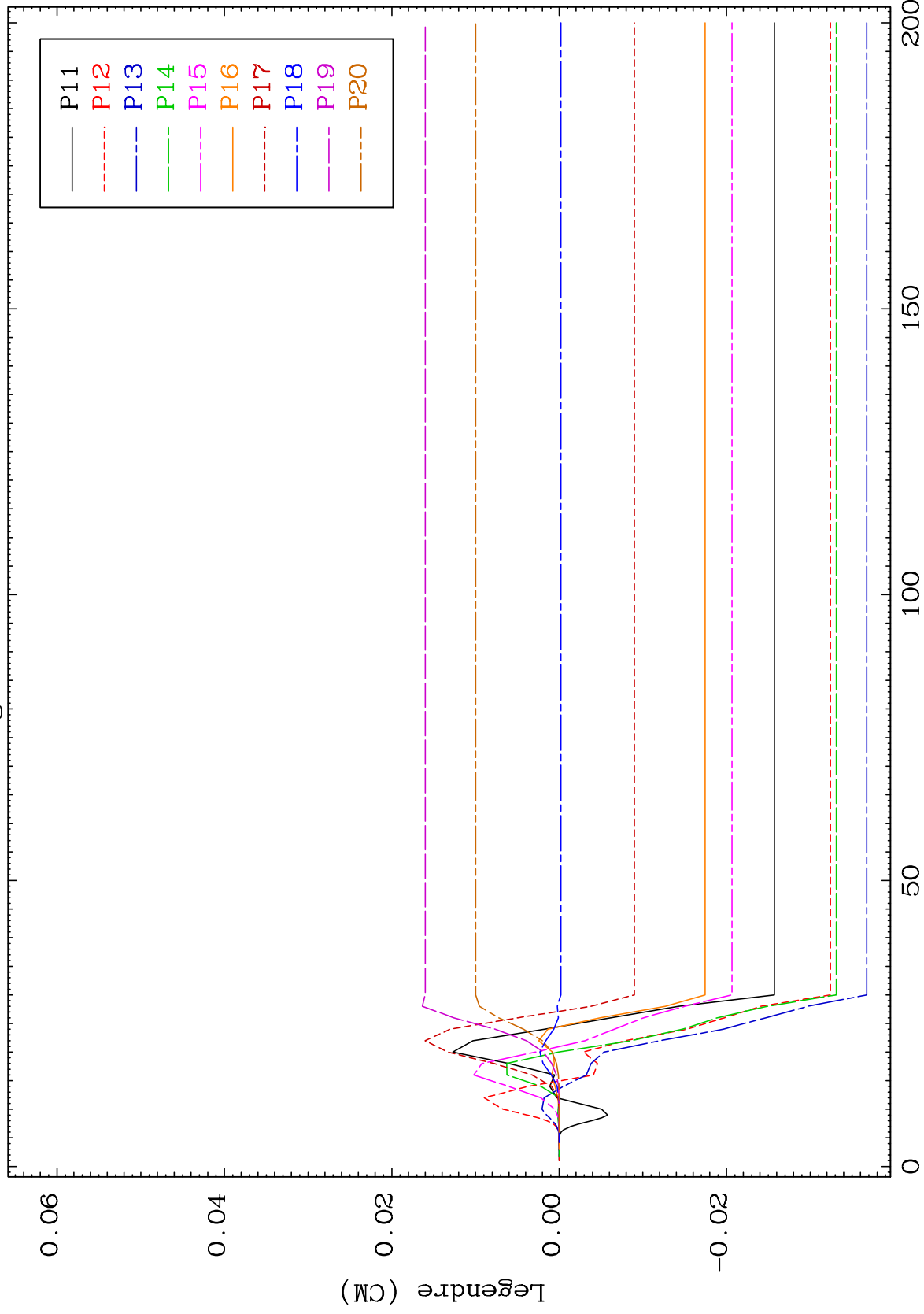




MAT 7683

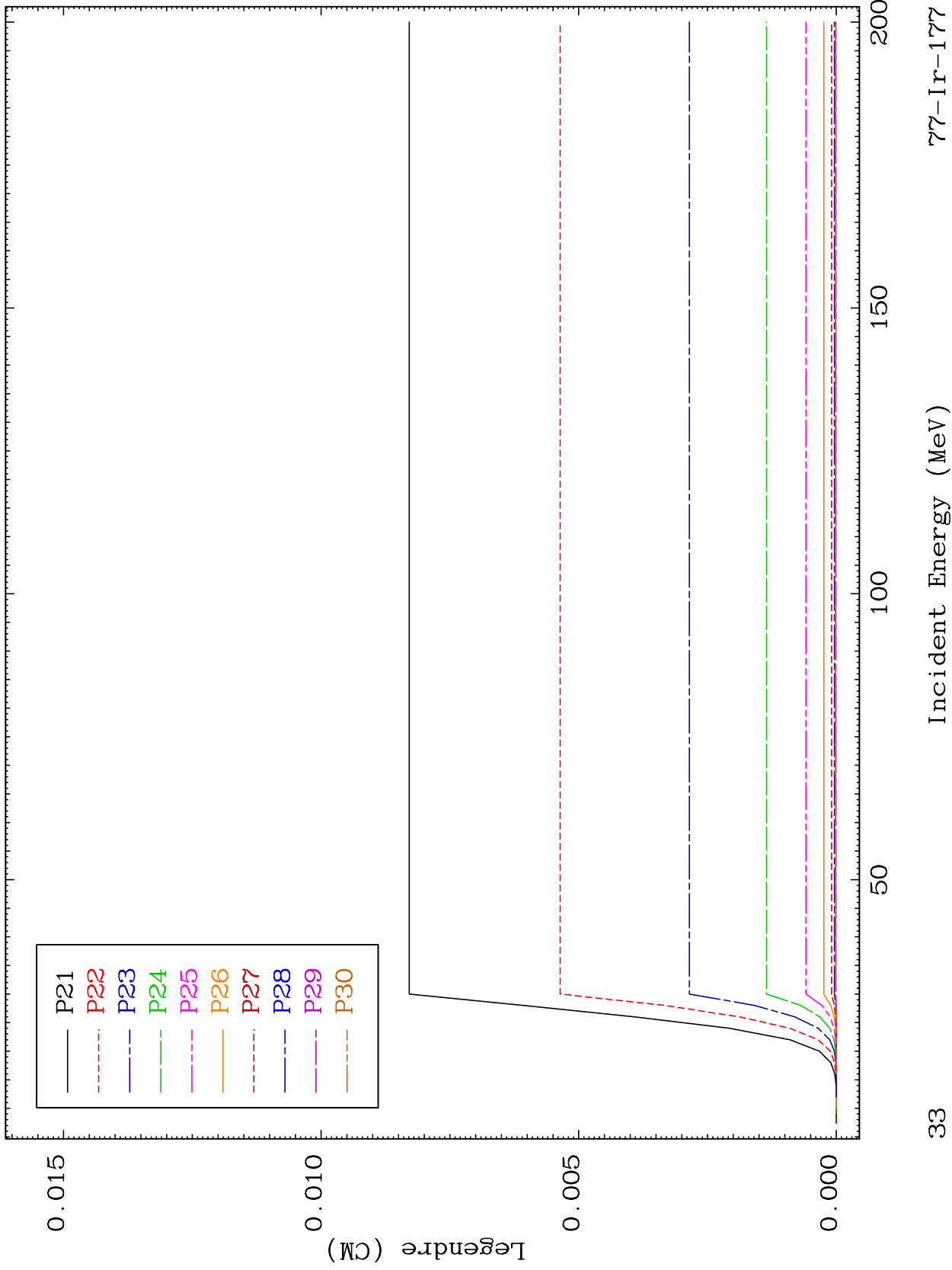
MT= 54 (n,n') Level
Legendre Coefficients

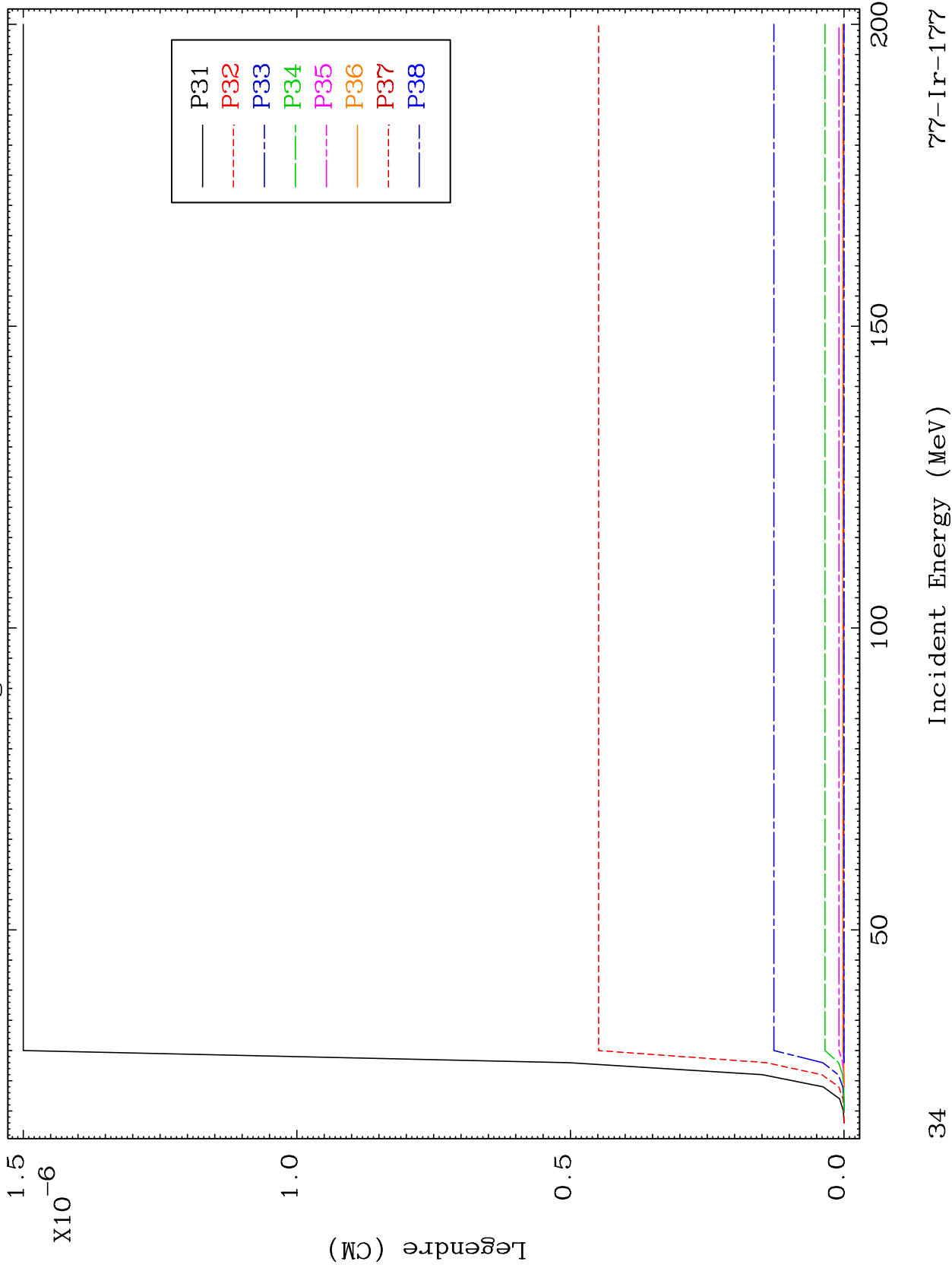
77-Ir-177



32

77-Ir-177

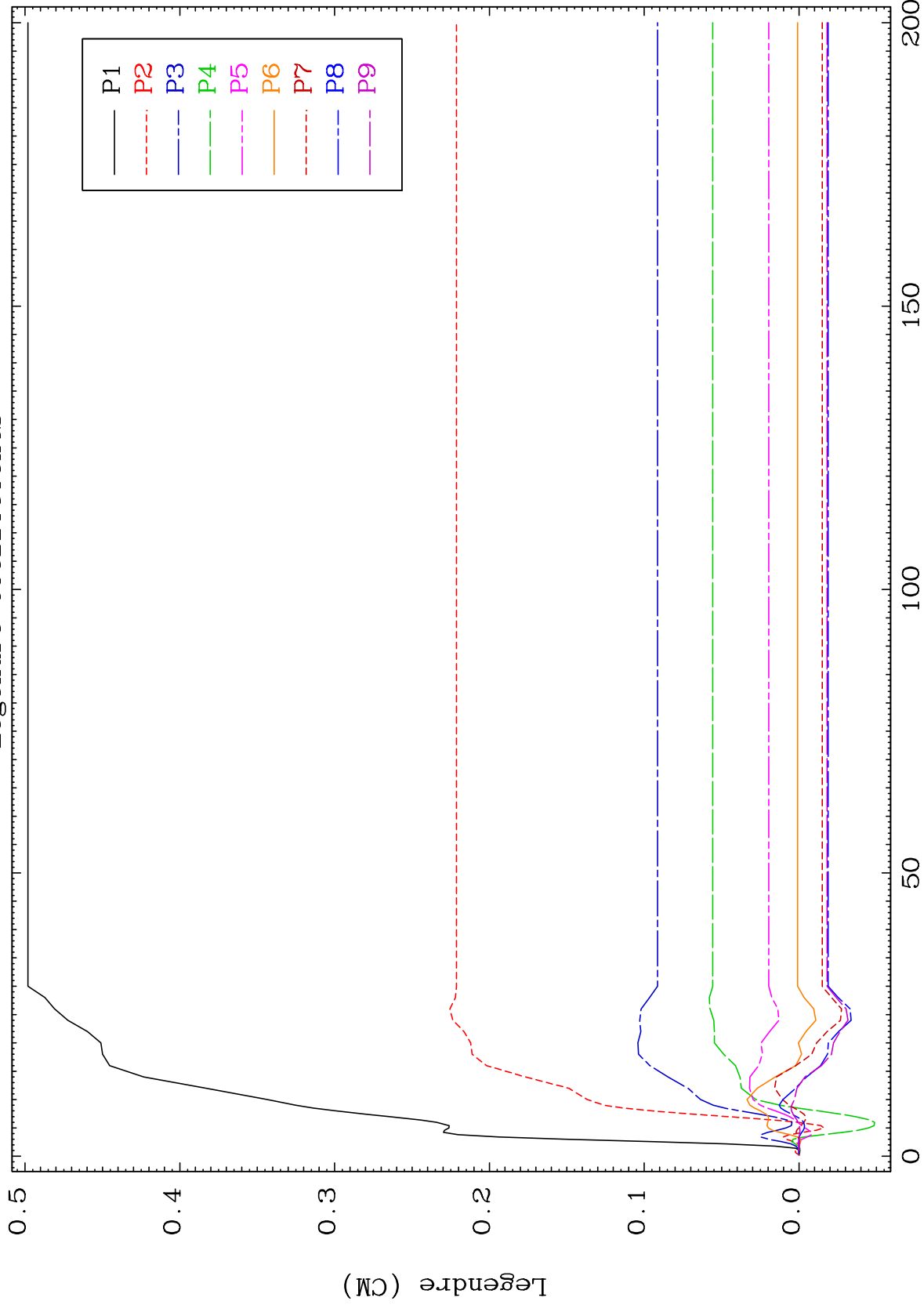




MAT 7683

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

⁷⁷Ir-177



⁷⁷Ir-177

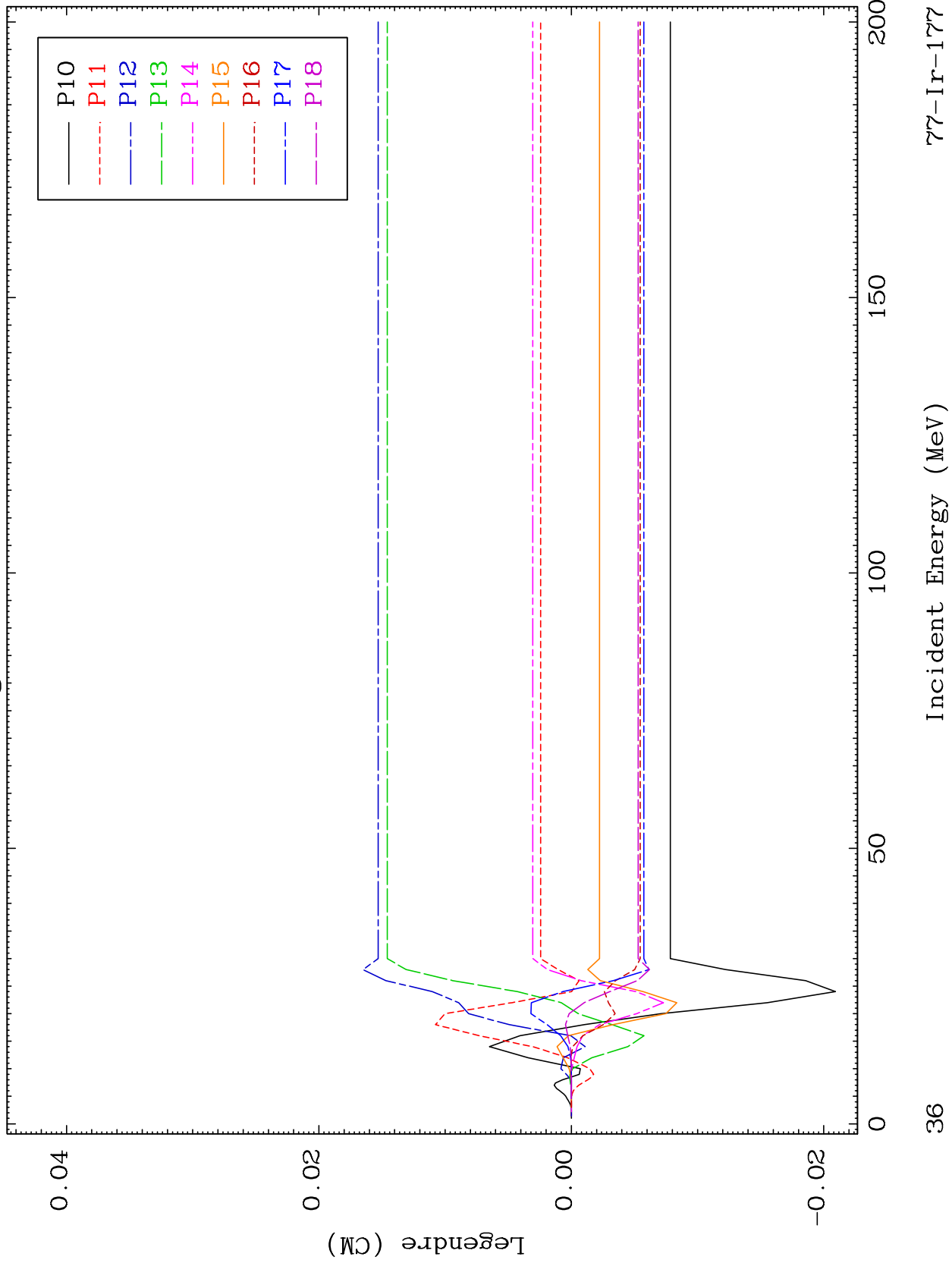
Incident Energy (MeV)

35

MAT 7683

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

77-Ir-177



77-Ir-177

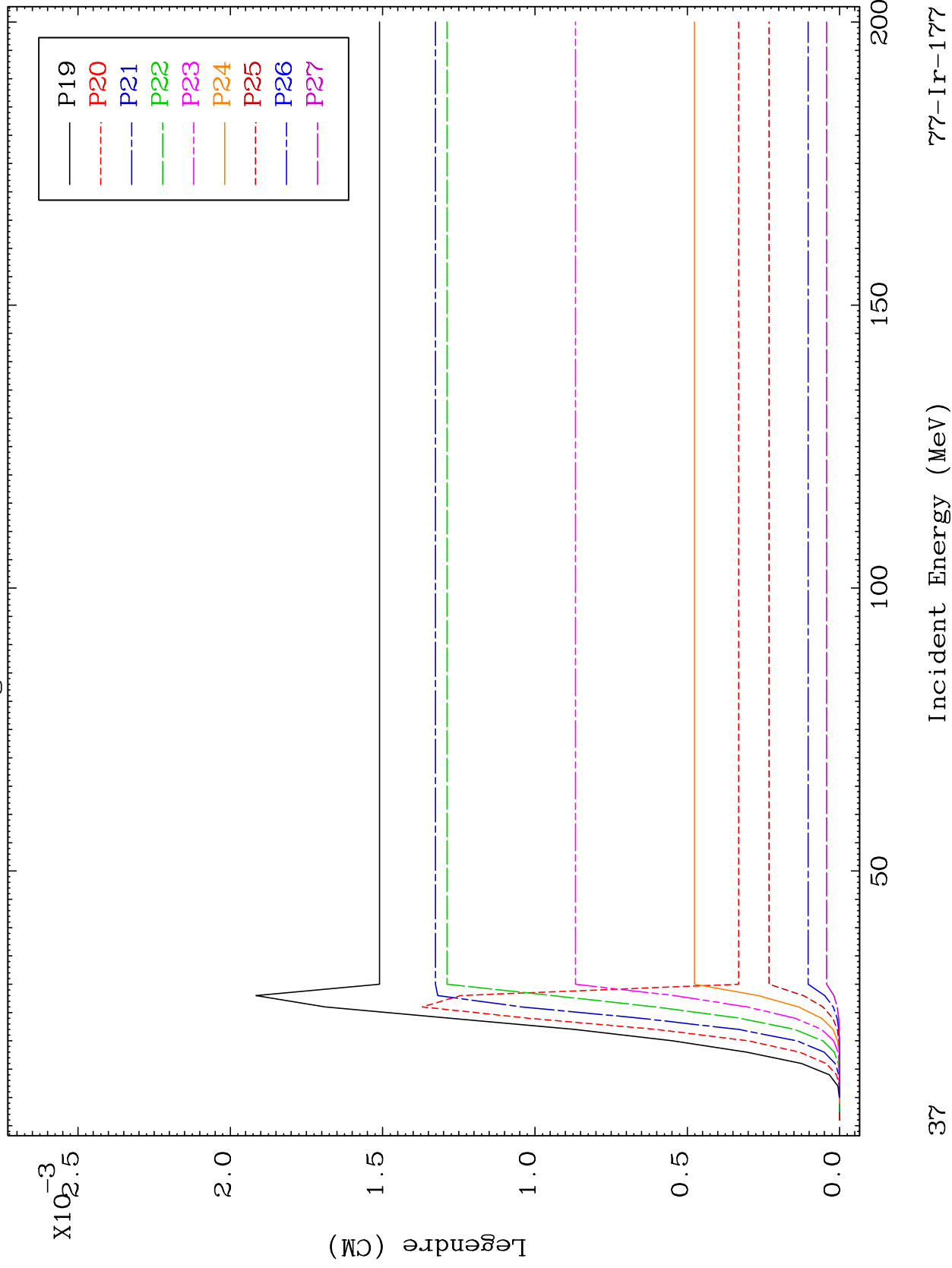
Incident Energy (MeV)

36

MAT 7683

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

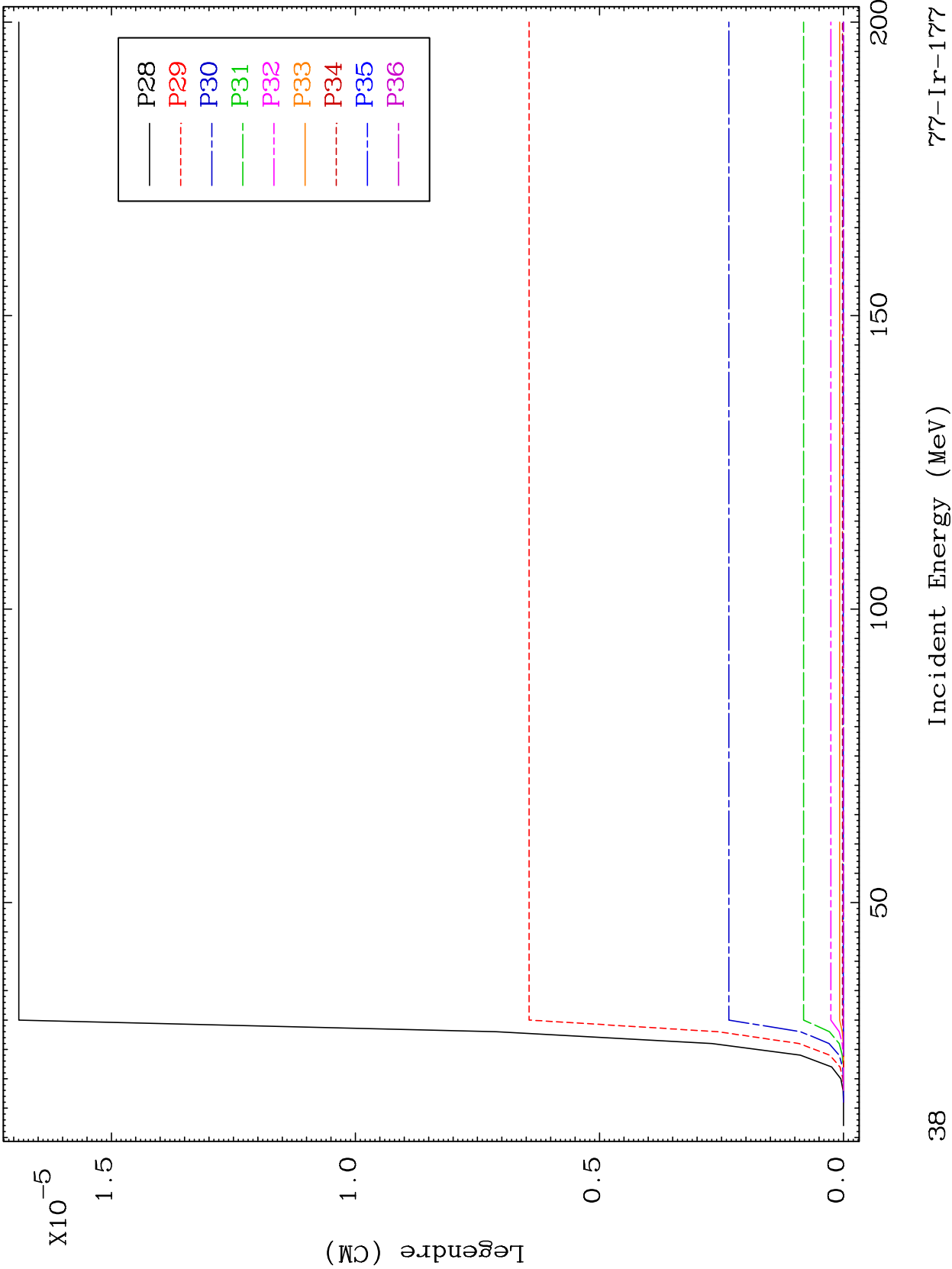
77-Ir-177

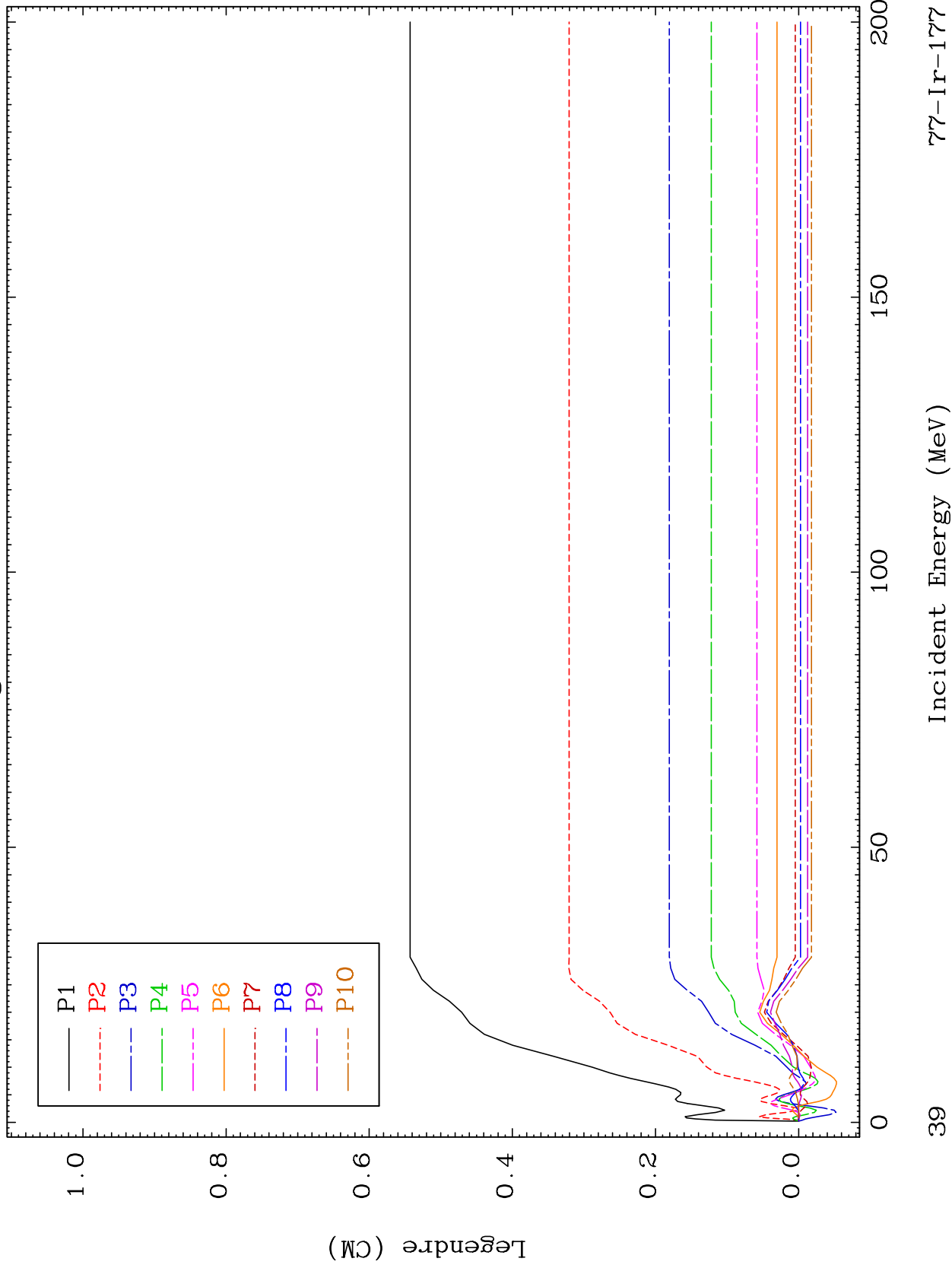


37

Incident Energy (MeV)

77-Ir-177

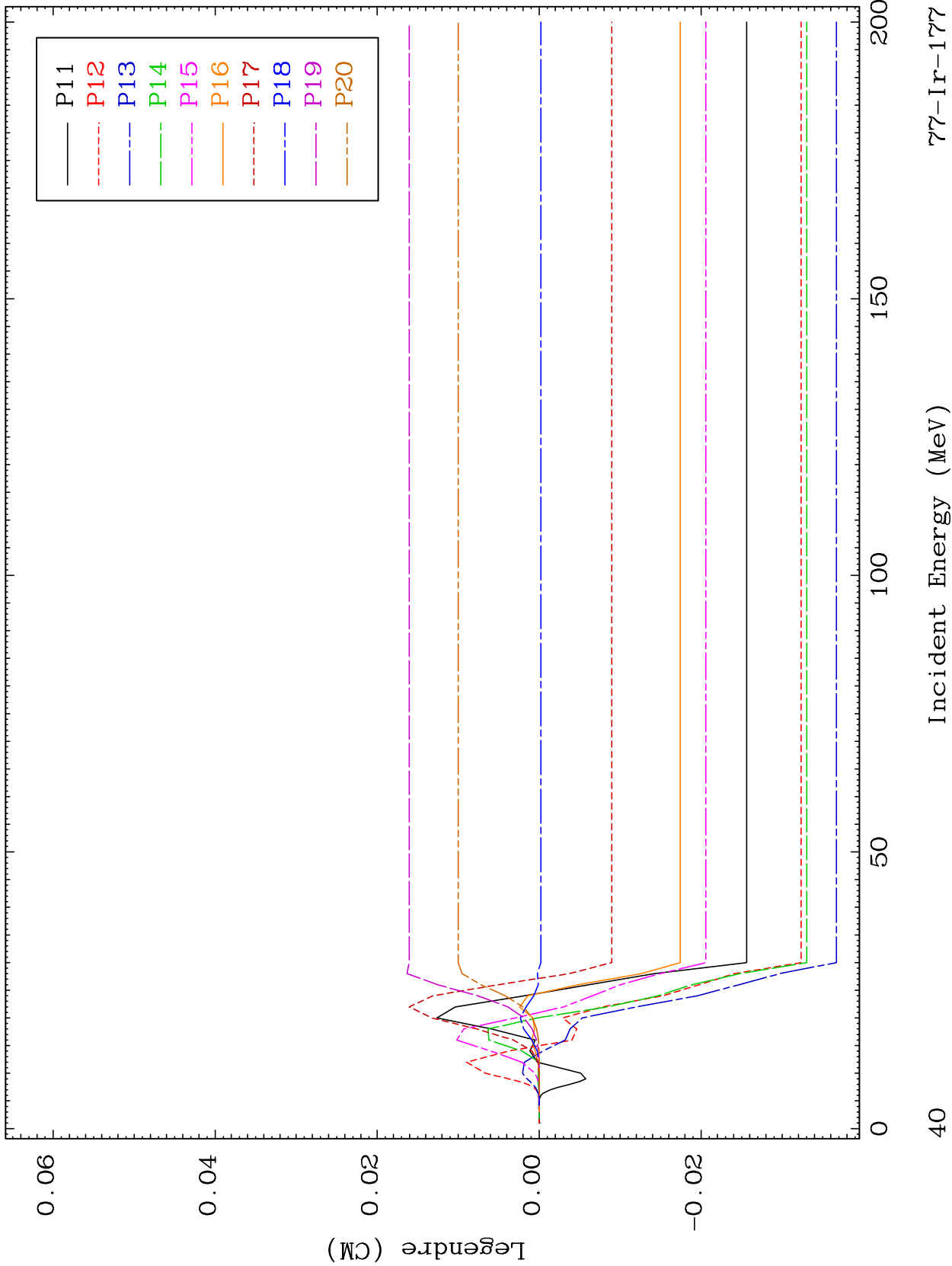




MAT 7683

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

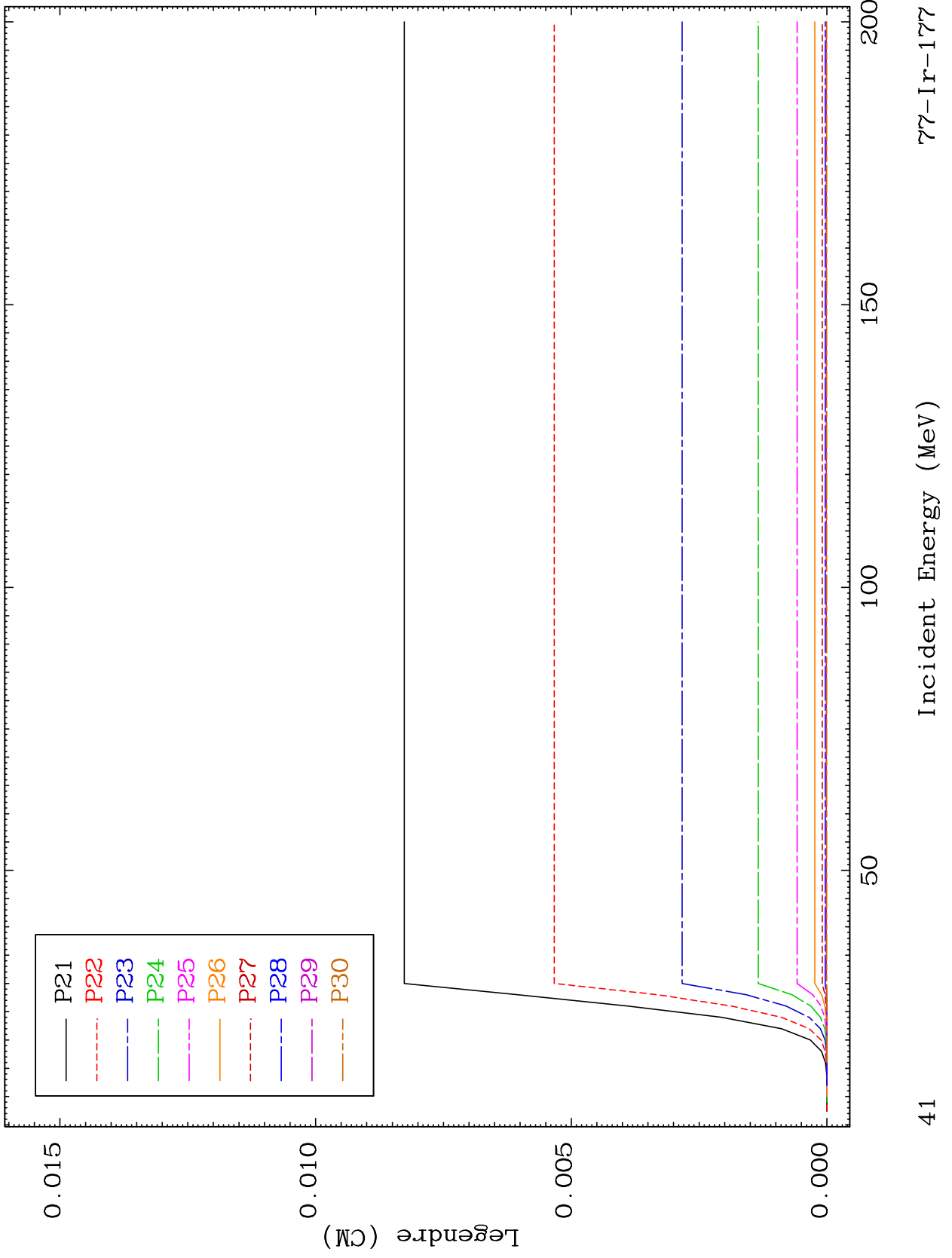
77-Ir-177



77-Ir-177

Incident Energy (MeV)

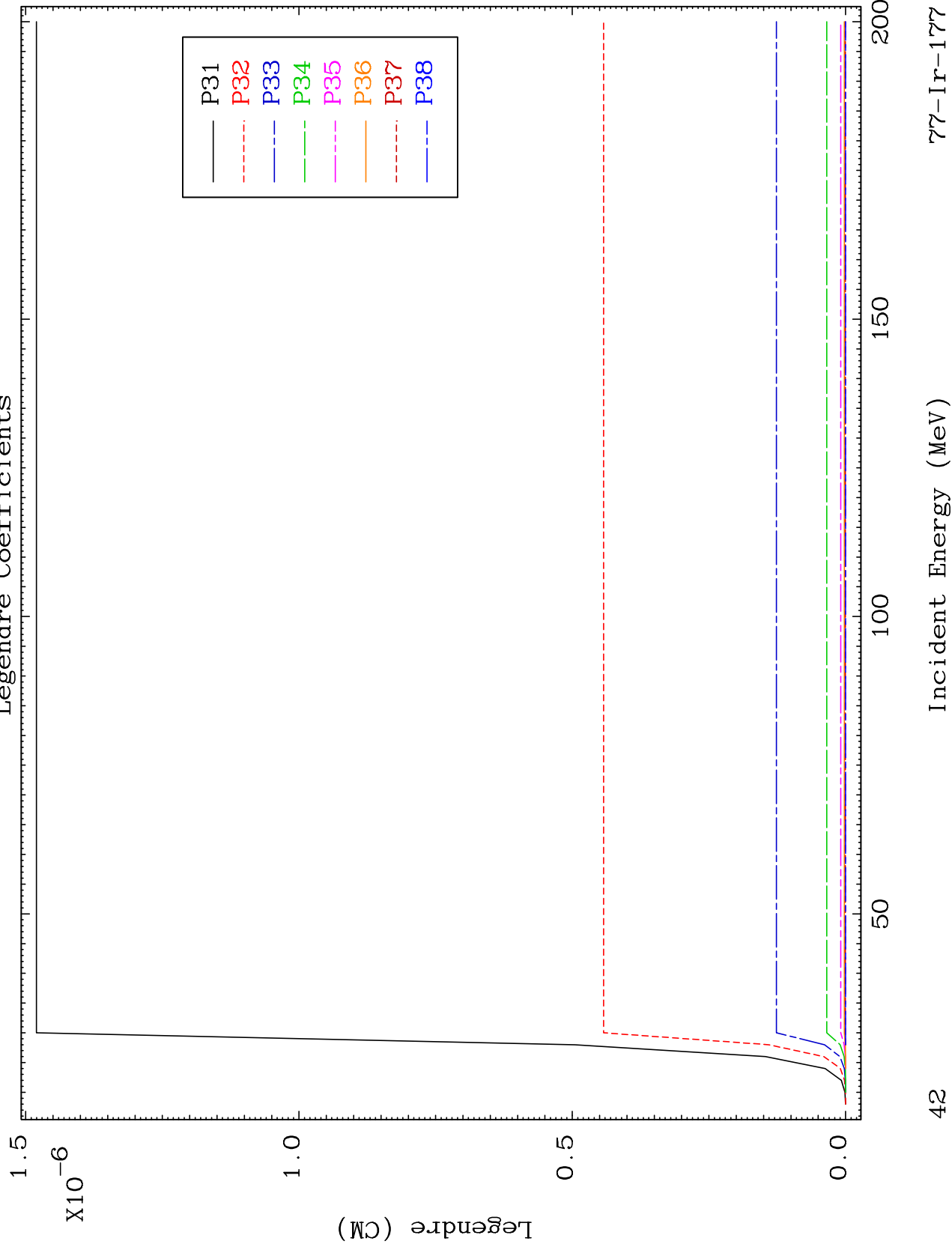
40



MAT 7683

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

77-Ir-177



42

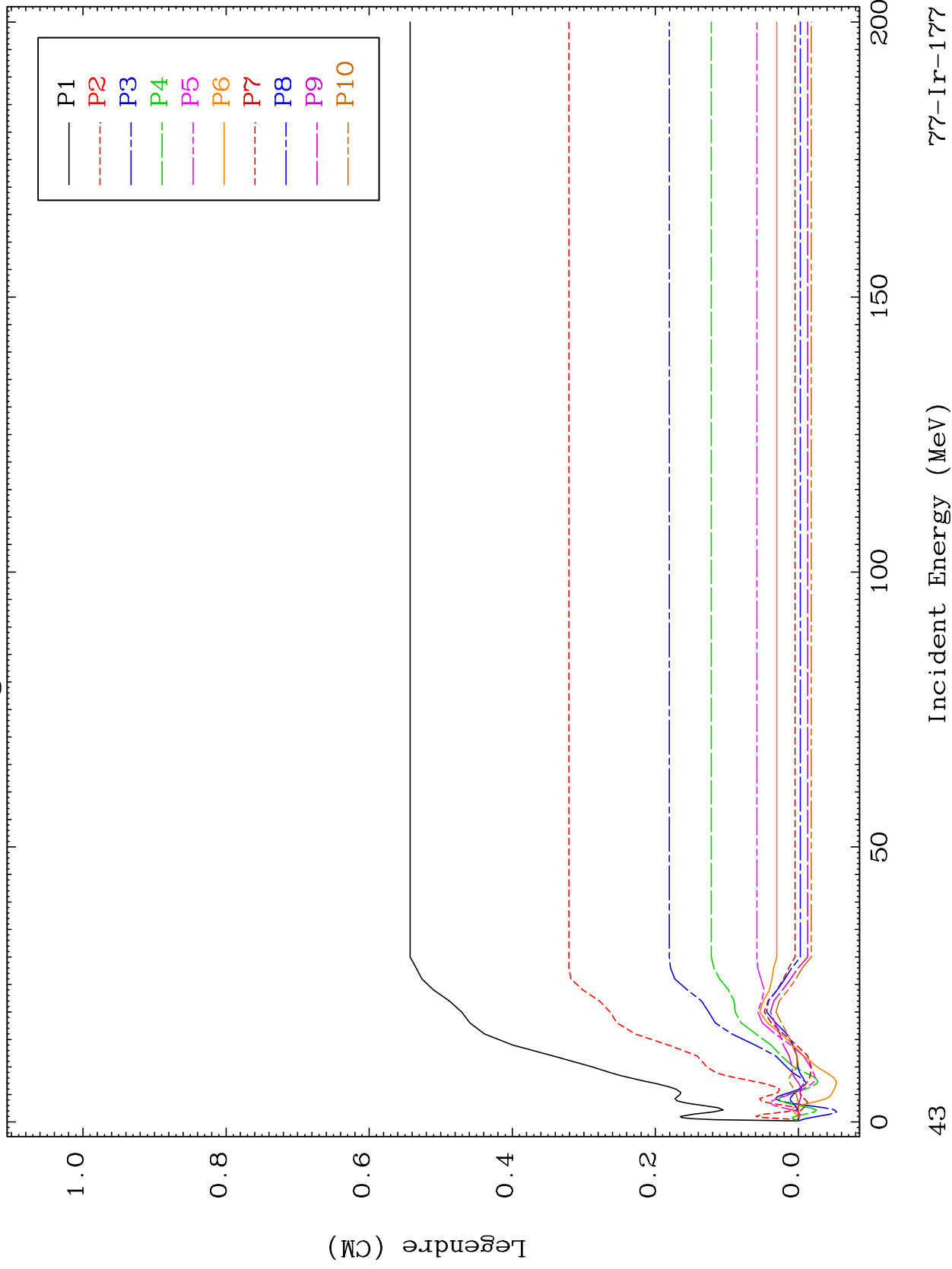
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

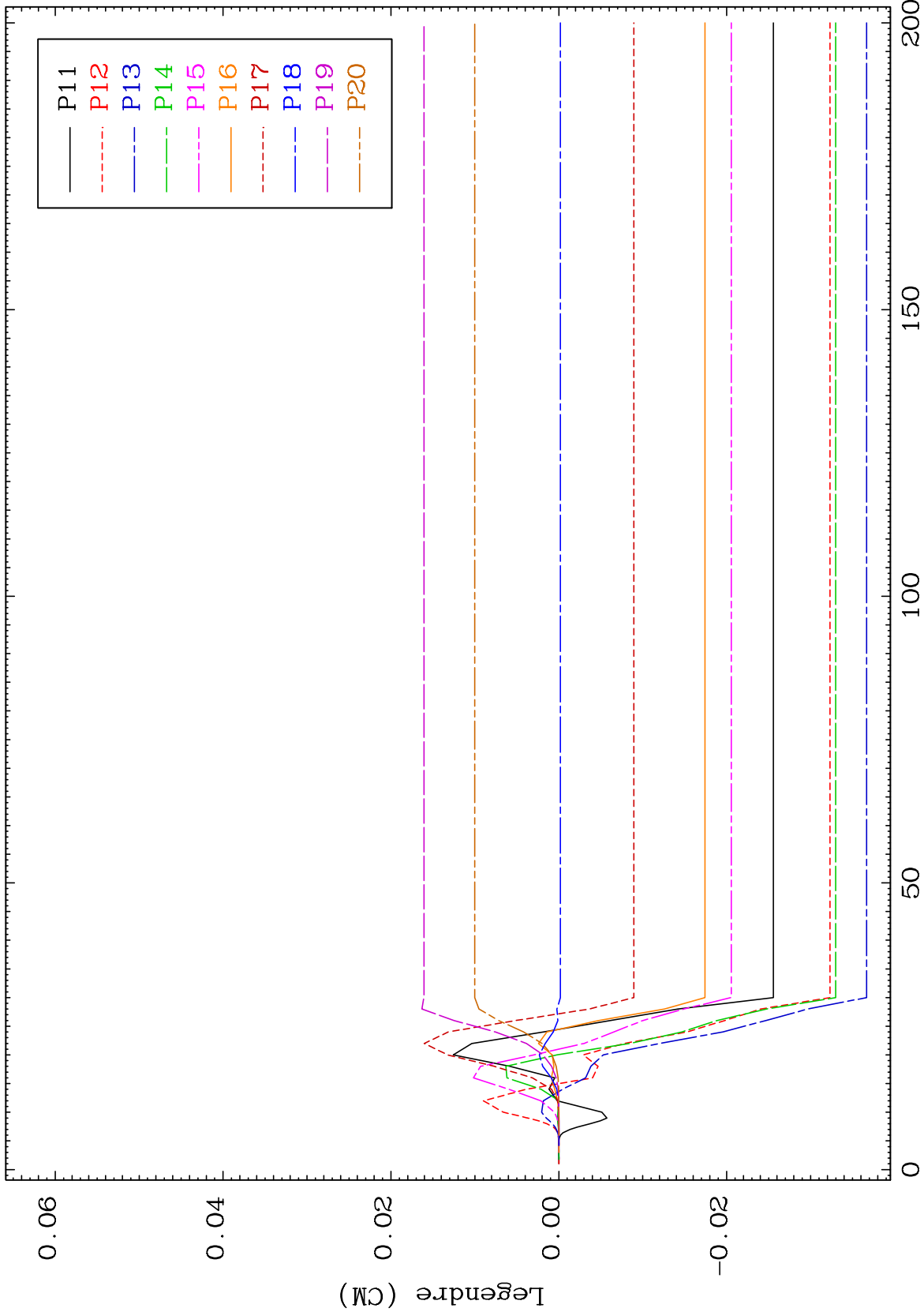
⁷⁷Ir-177



MAT 7683

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

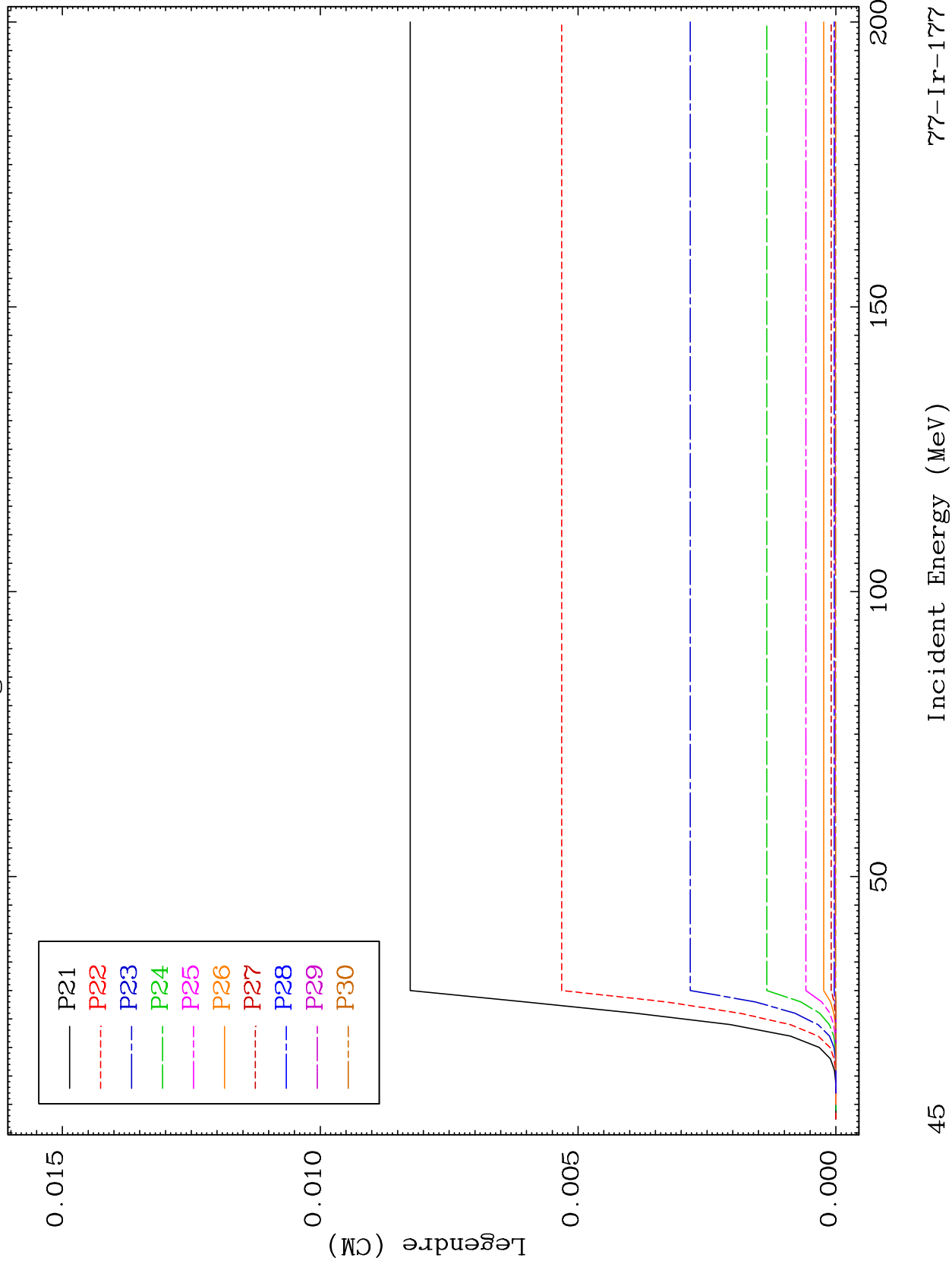
77-Ir-177



MAT 7683

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

77-Ir-177



45

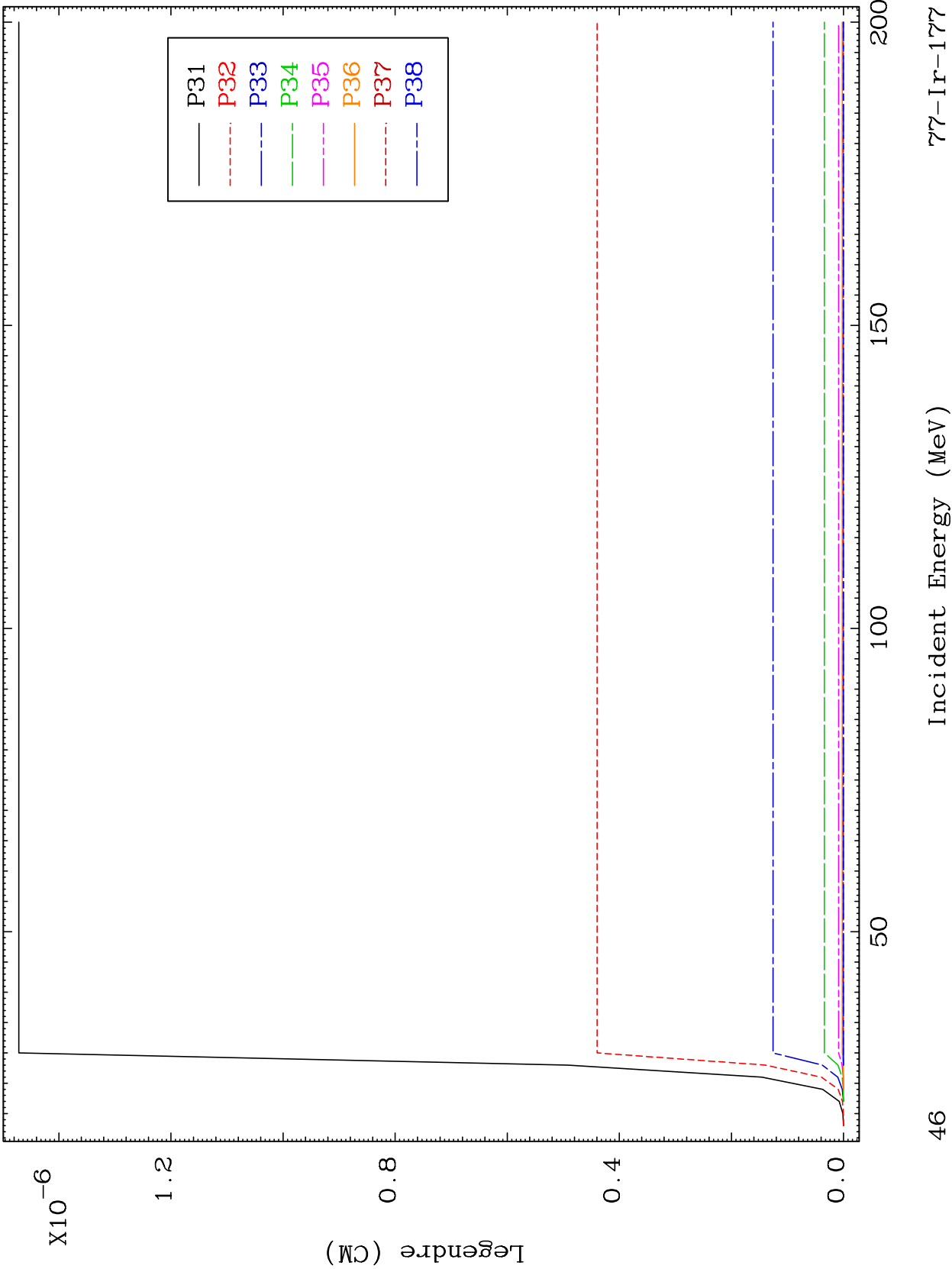
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



77-Ir-177

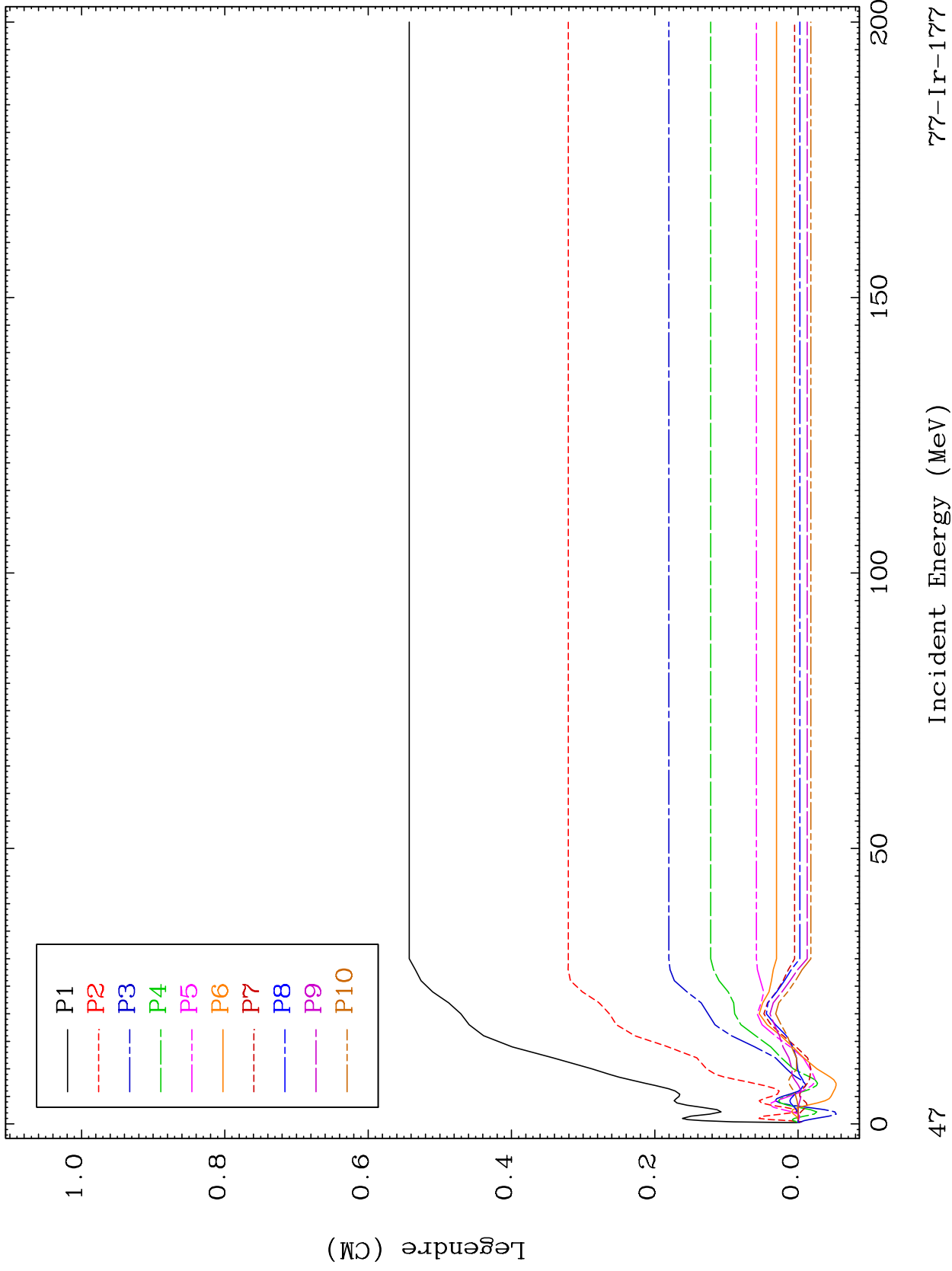
Incident Energy (MeV)

46

MAT 7683

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

77-Ir-177



47

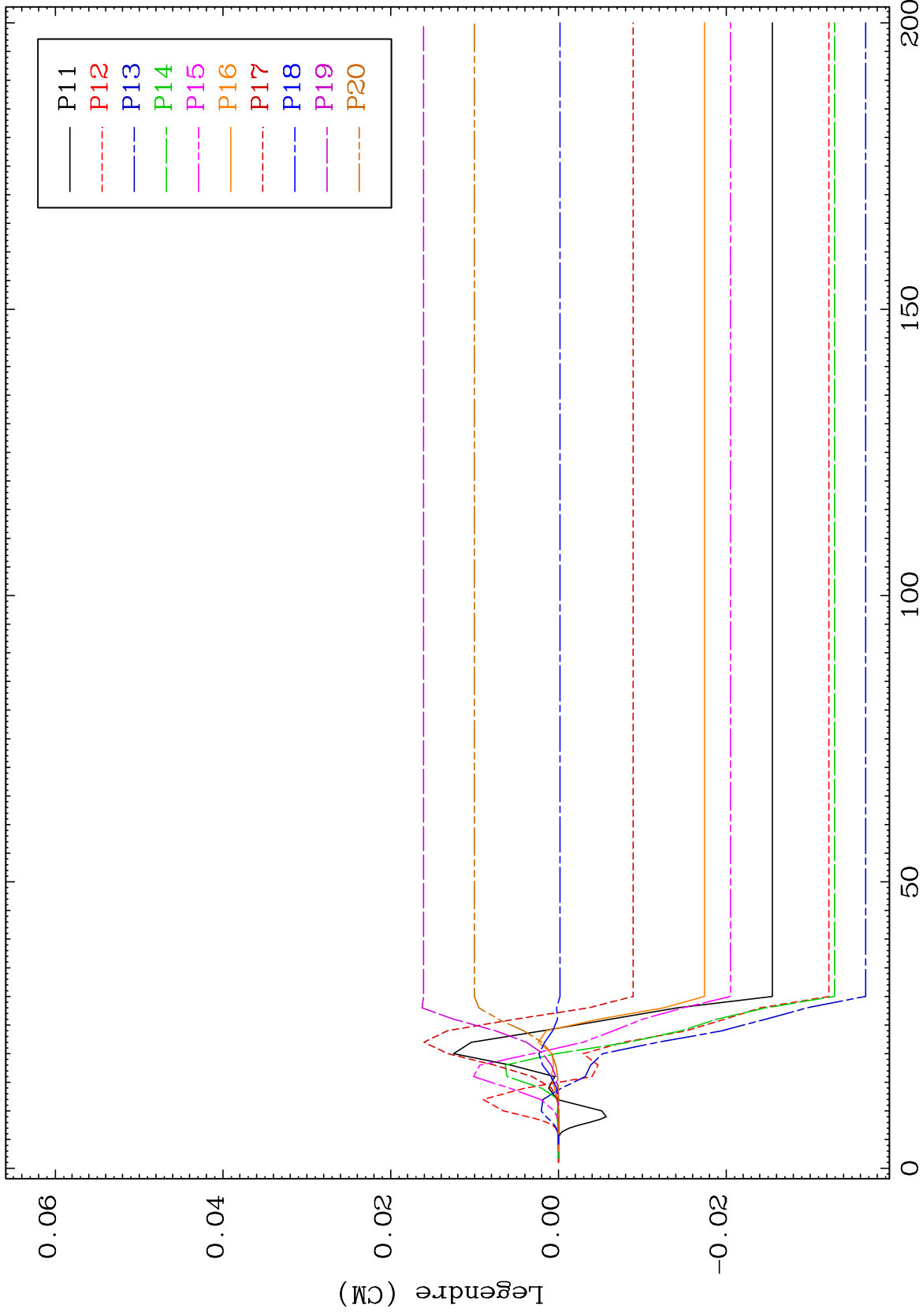
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



48

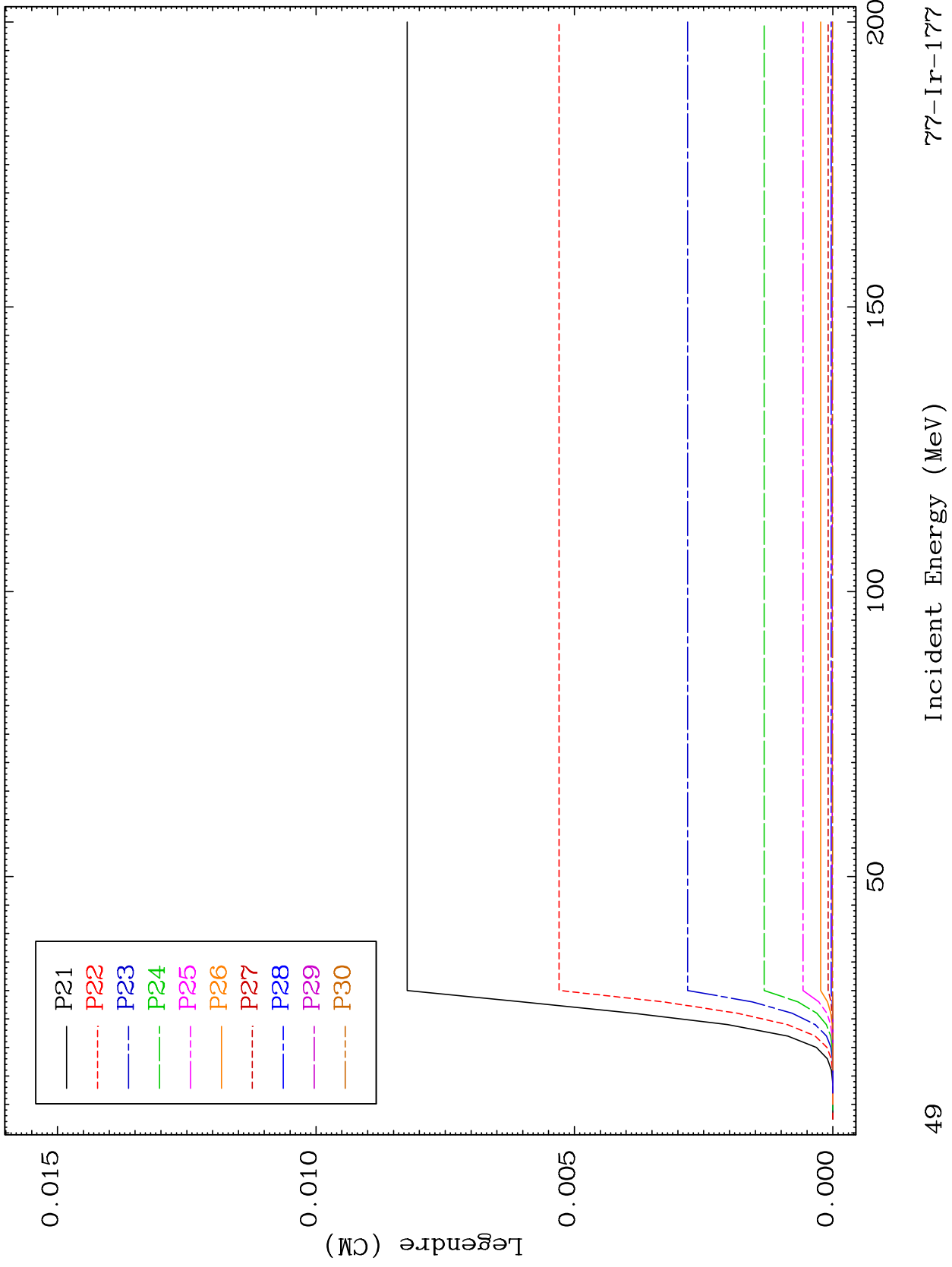
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

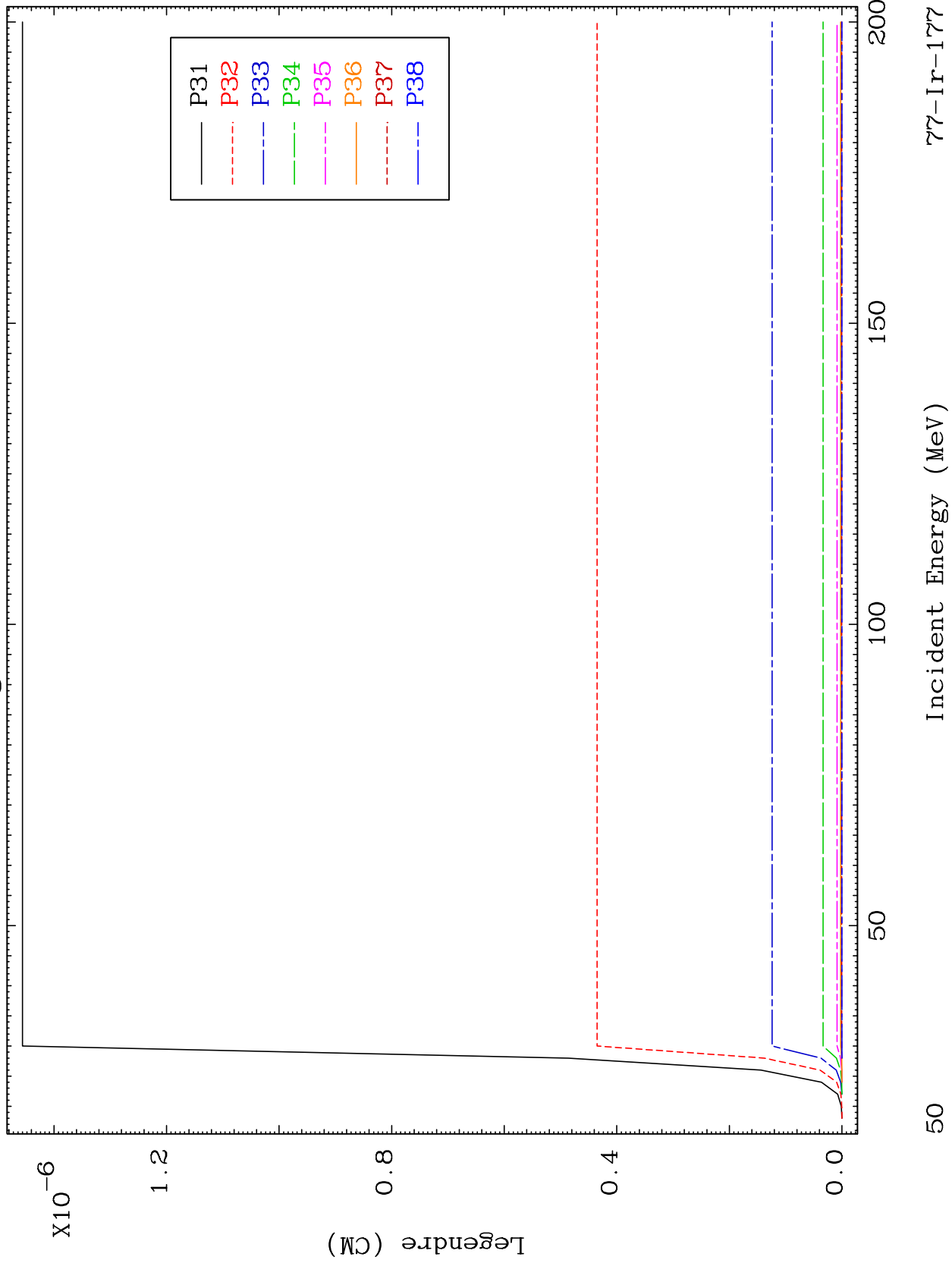
77-Ir-177



MAT 7683

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

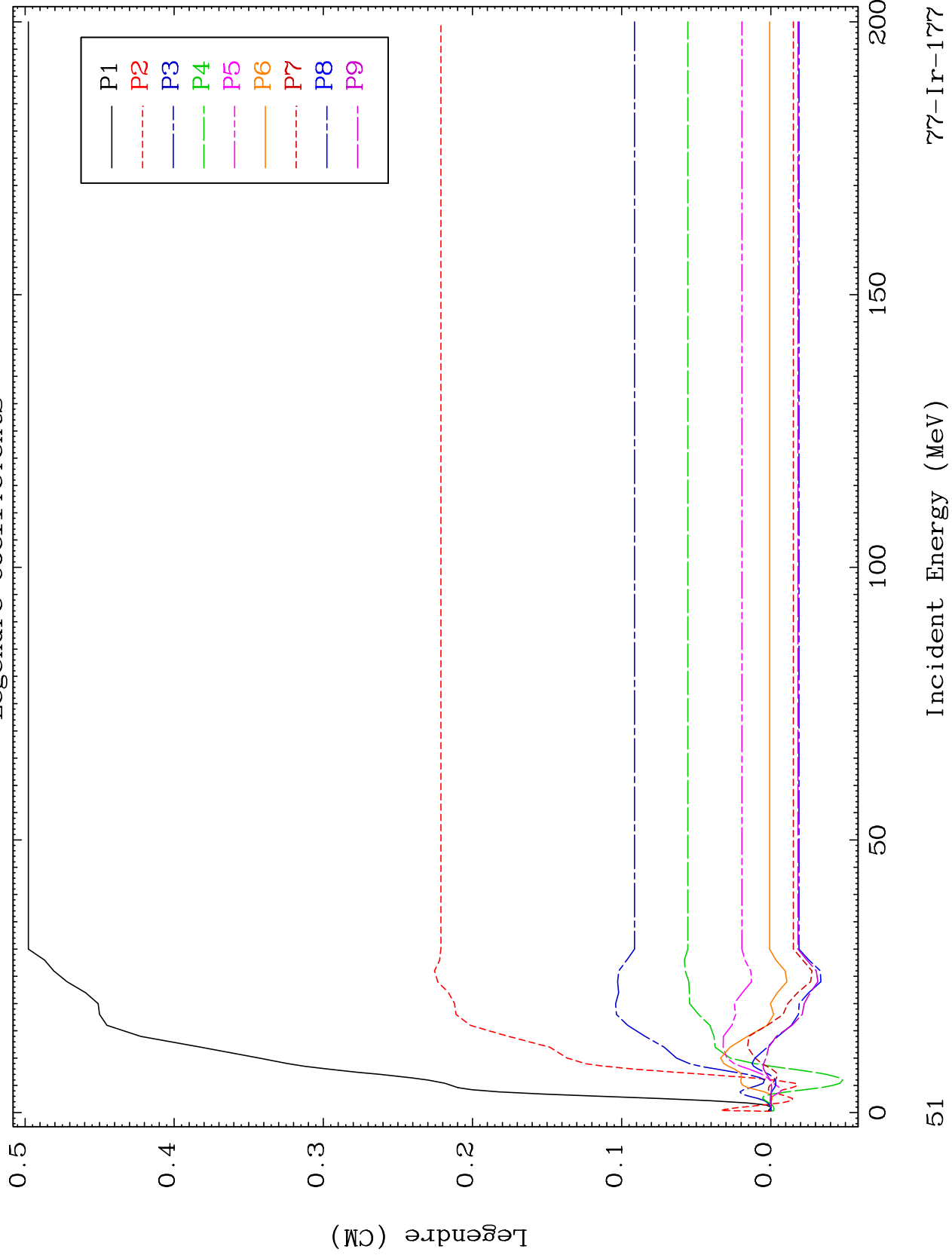
77-Ir-177



MAT 7683

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

77-Ir-177



77-Ir-177

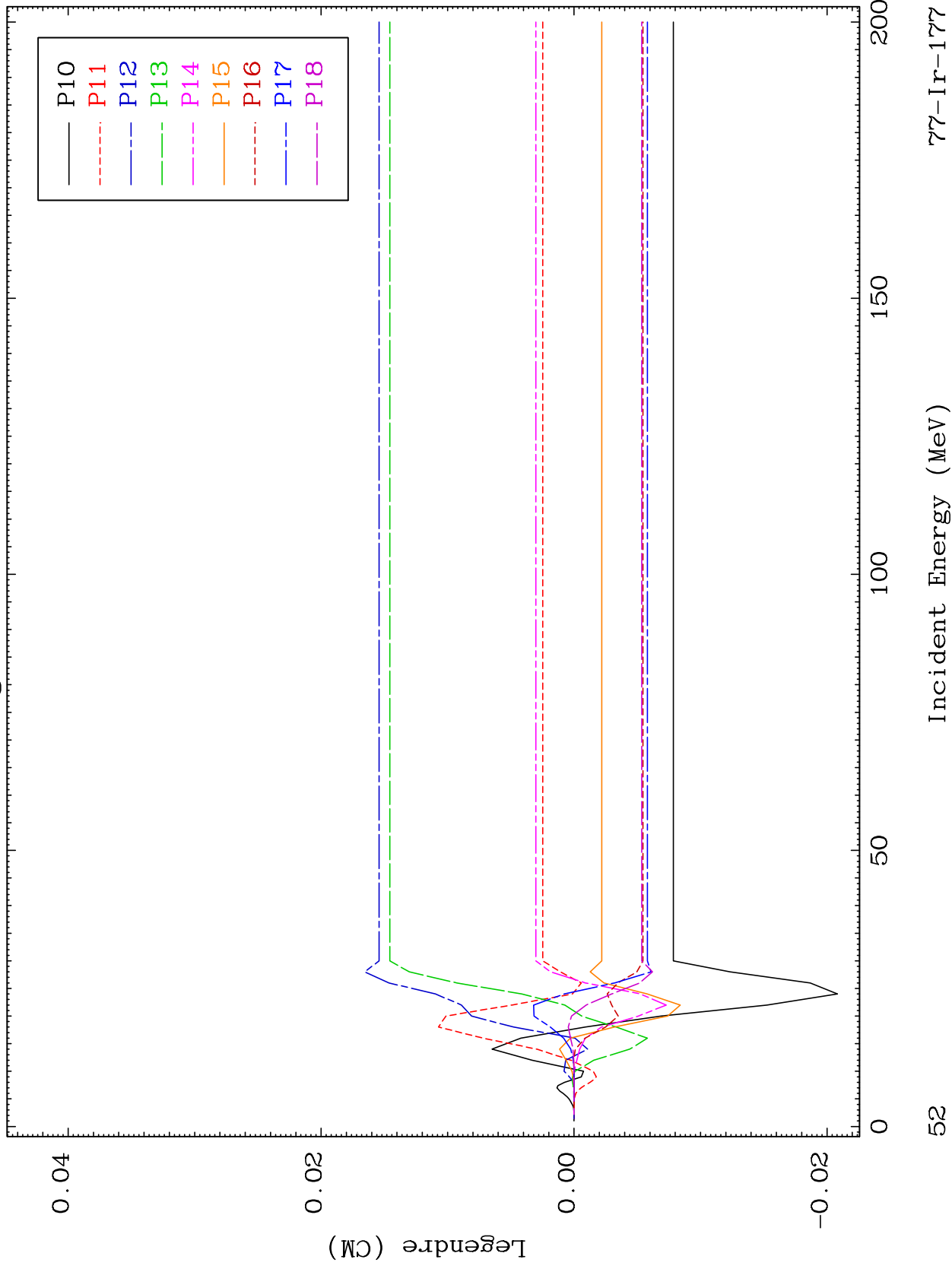
Incident Energy (MeV)

51

MAT 7683

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

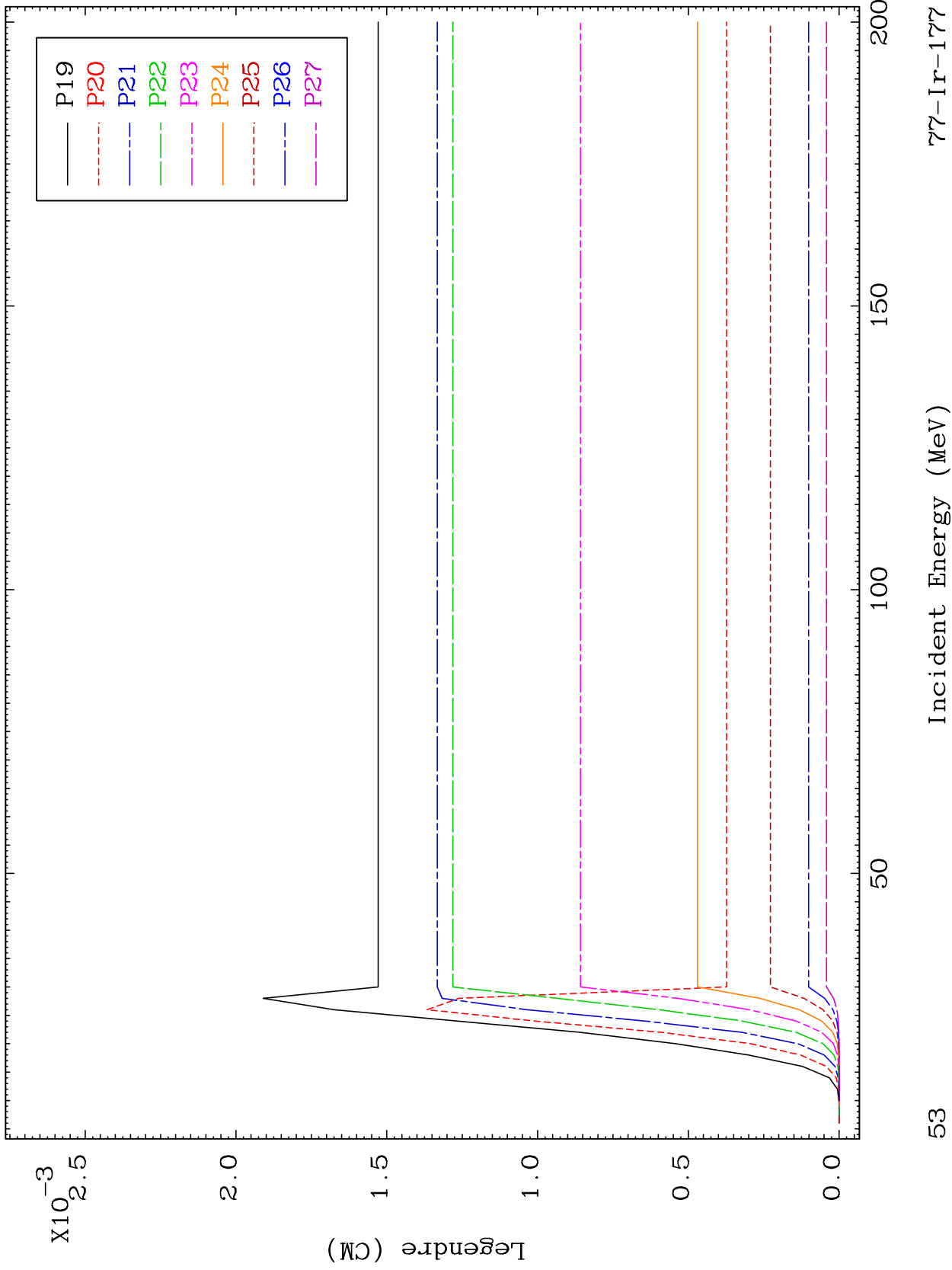
77-Ir-177



77-Ir-177

Incident Energy (MeV)

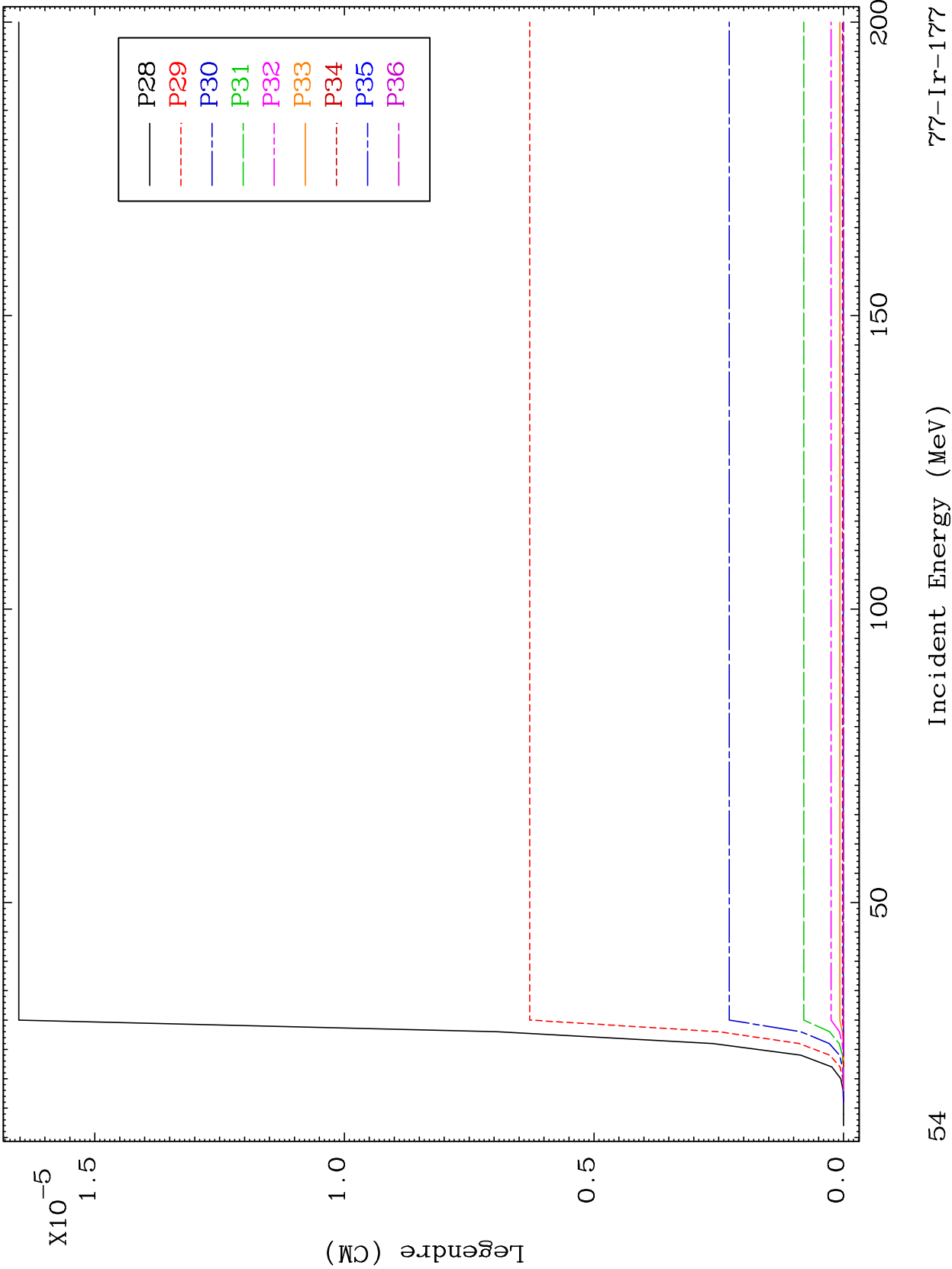
52



MAT 7683

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

77-Ir-177



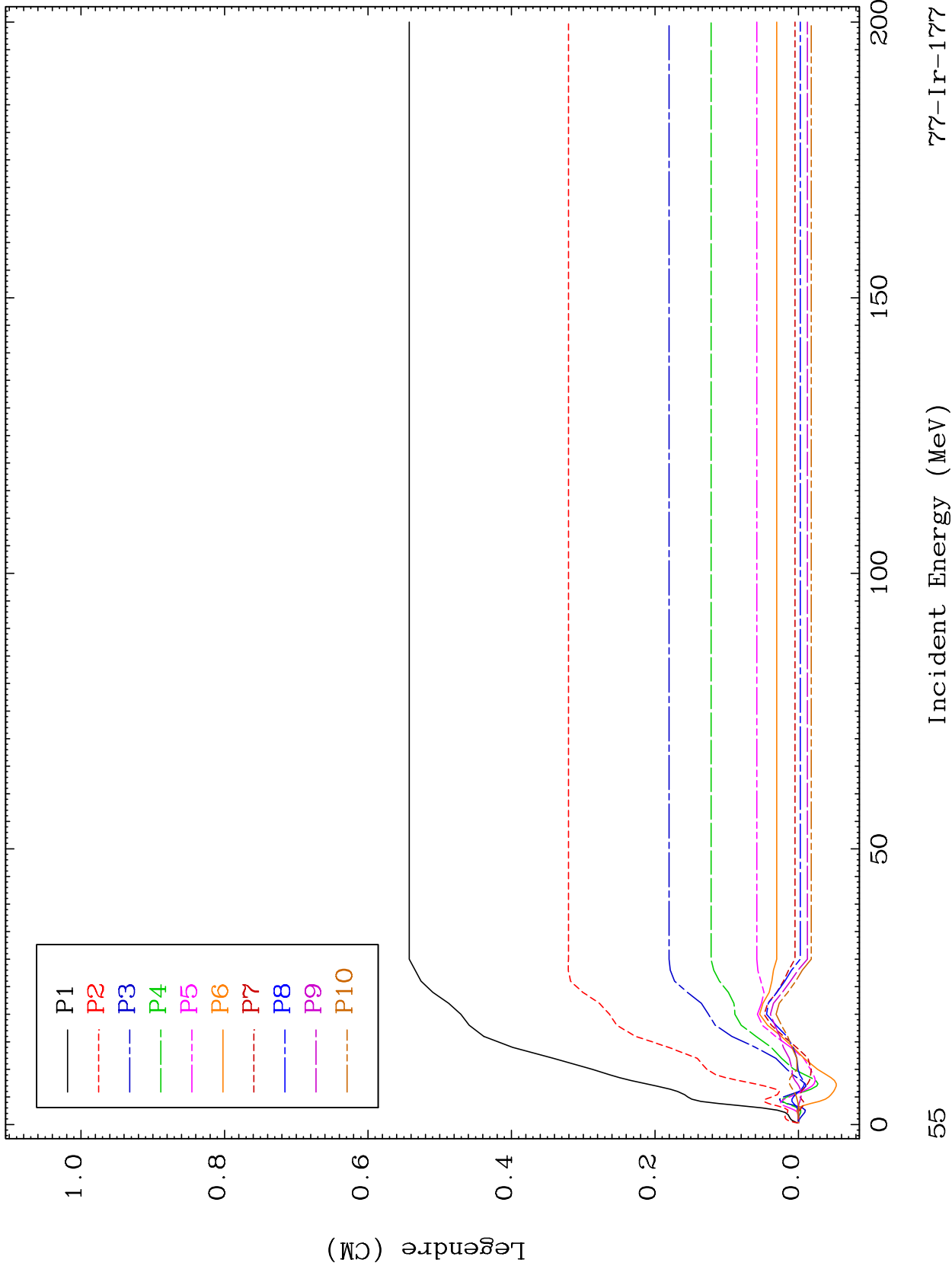
54

77-Ir-177

MAT 7683

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

77-Ir-177



77-Ir-177

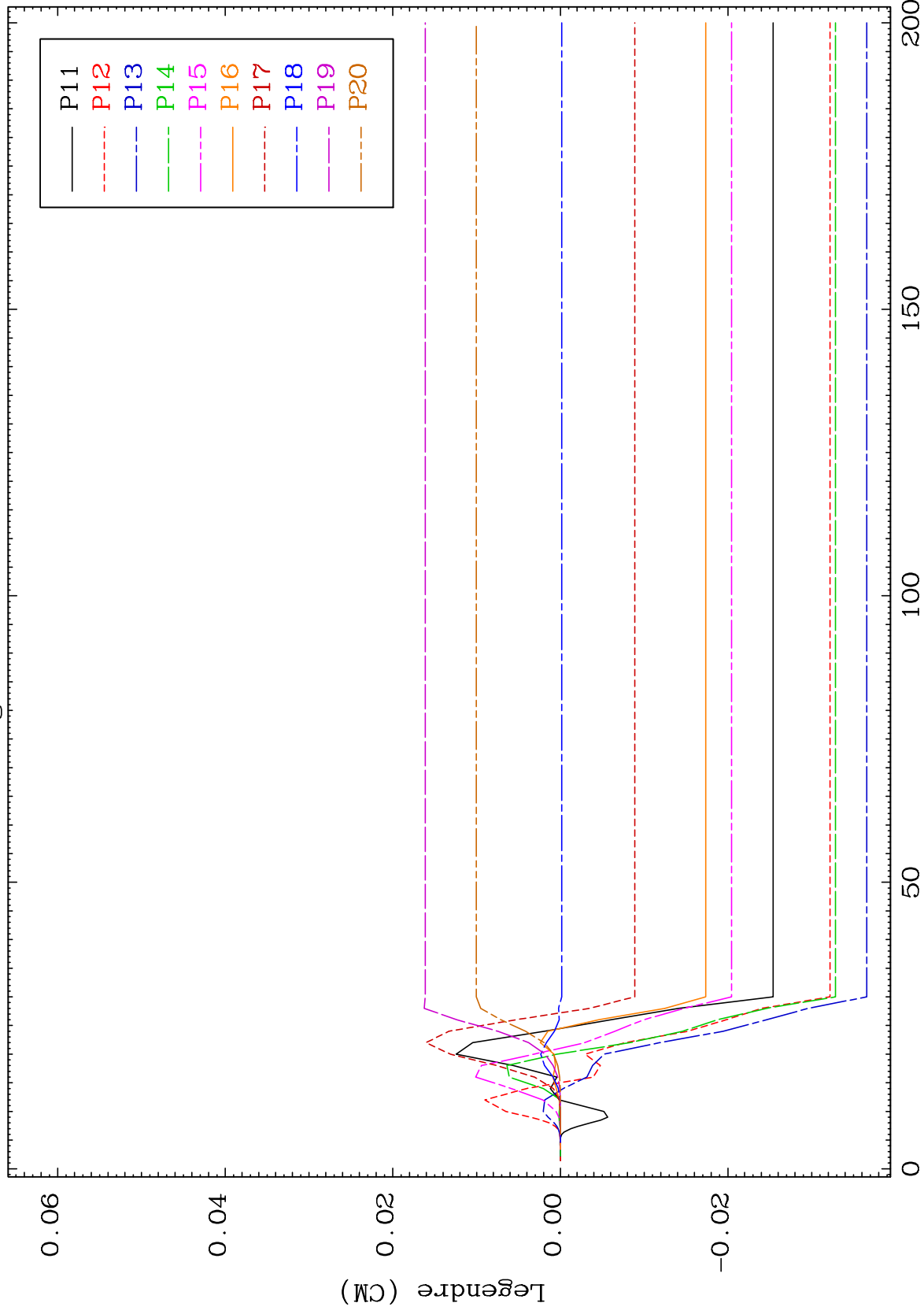
Incident Energy (MeV)

55

MAT 7683

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

77-Ir-177



56

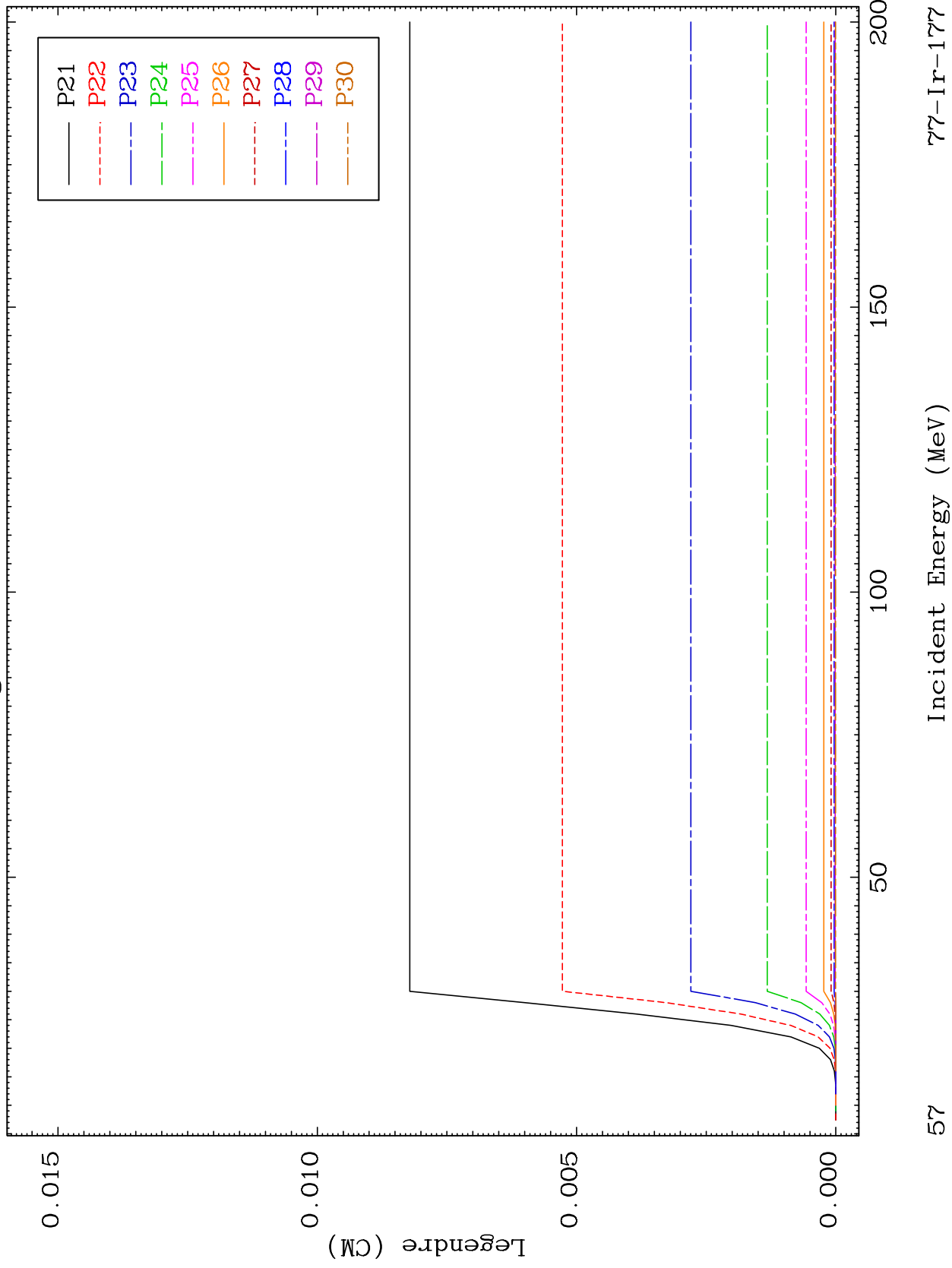
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



57

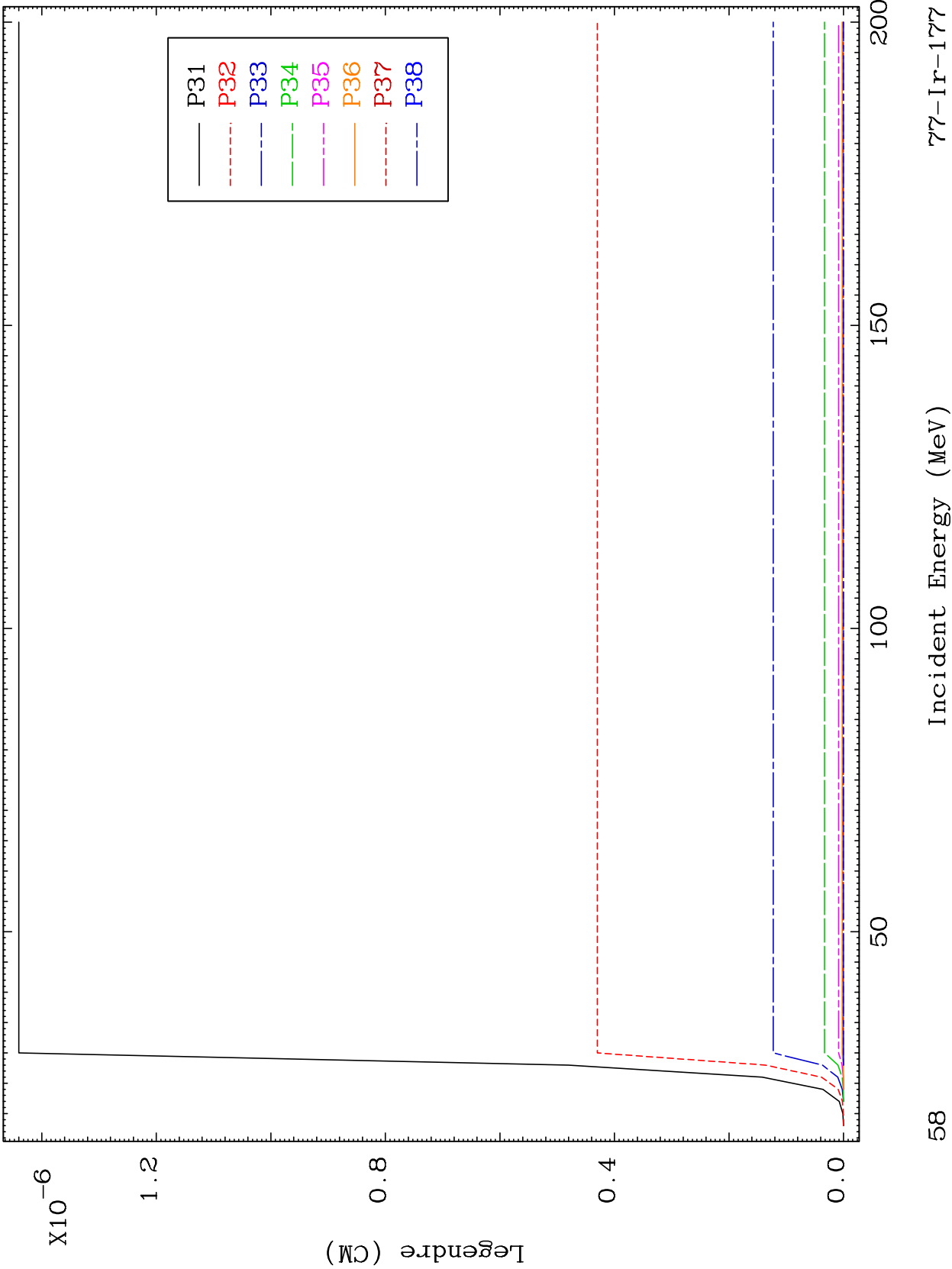
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



58

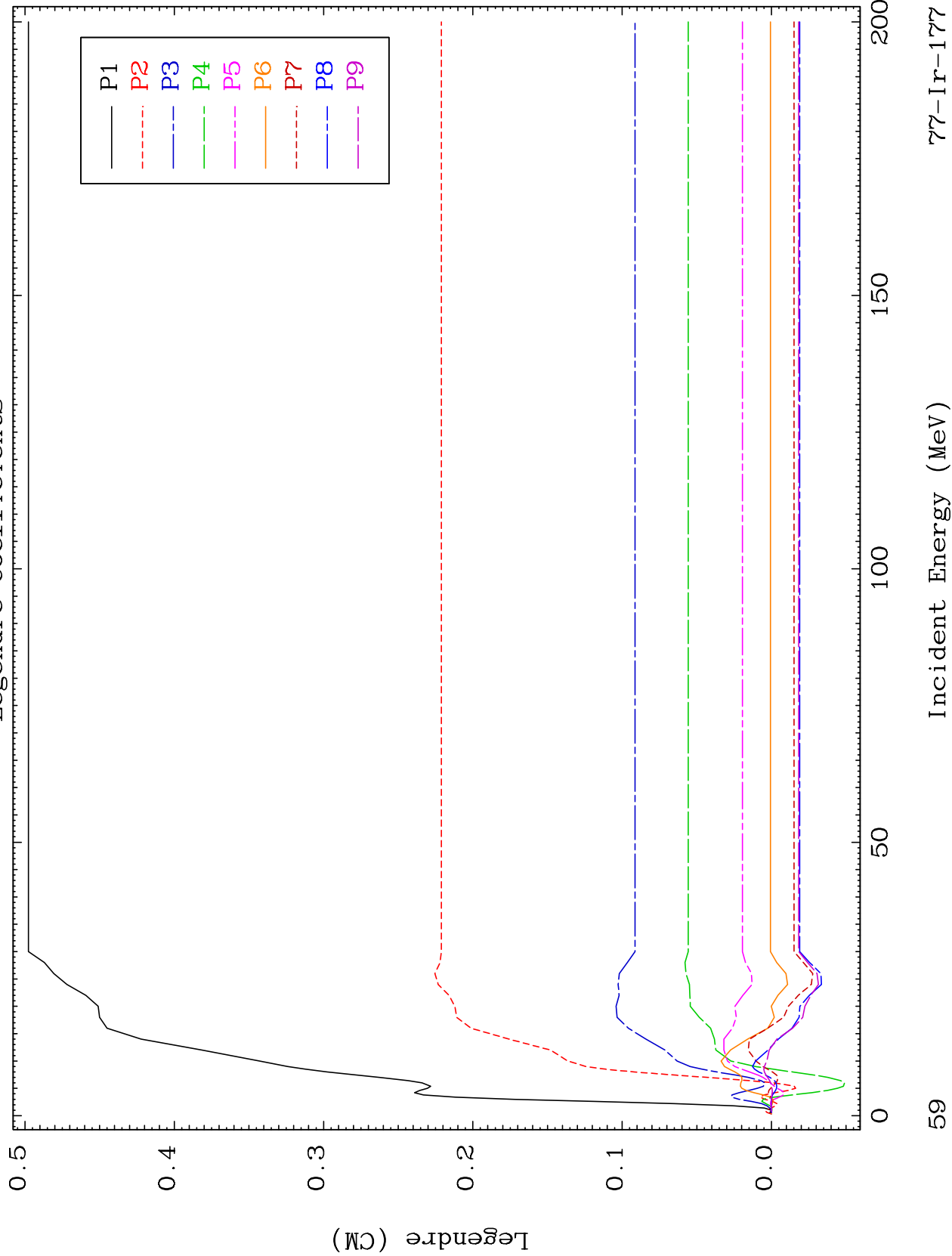
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

⁷⁷Ir-177



⁷⁷Ir-177

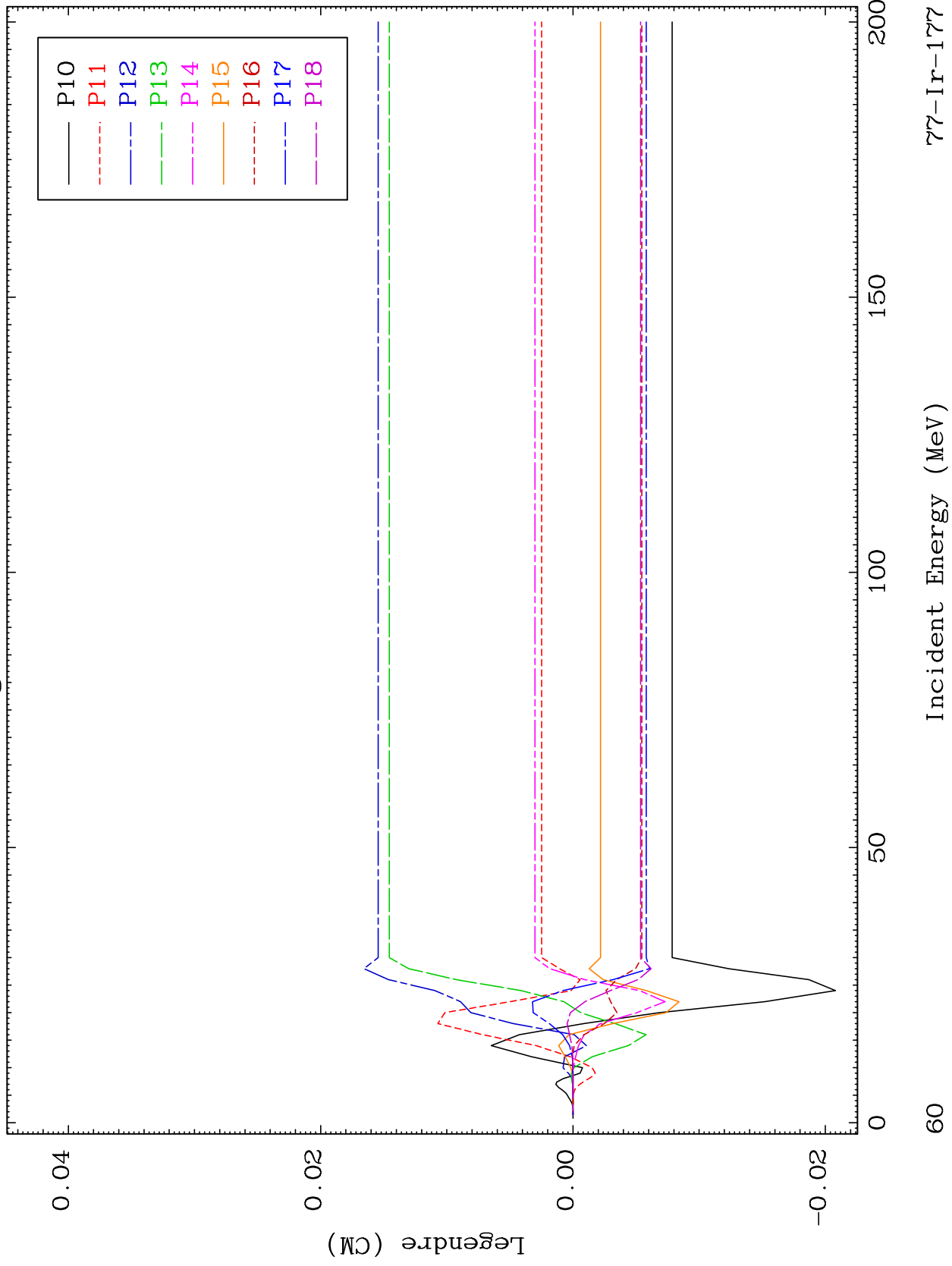
Incident Energy (MeV)

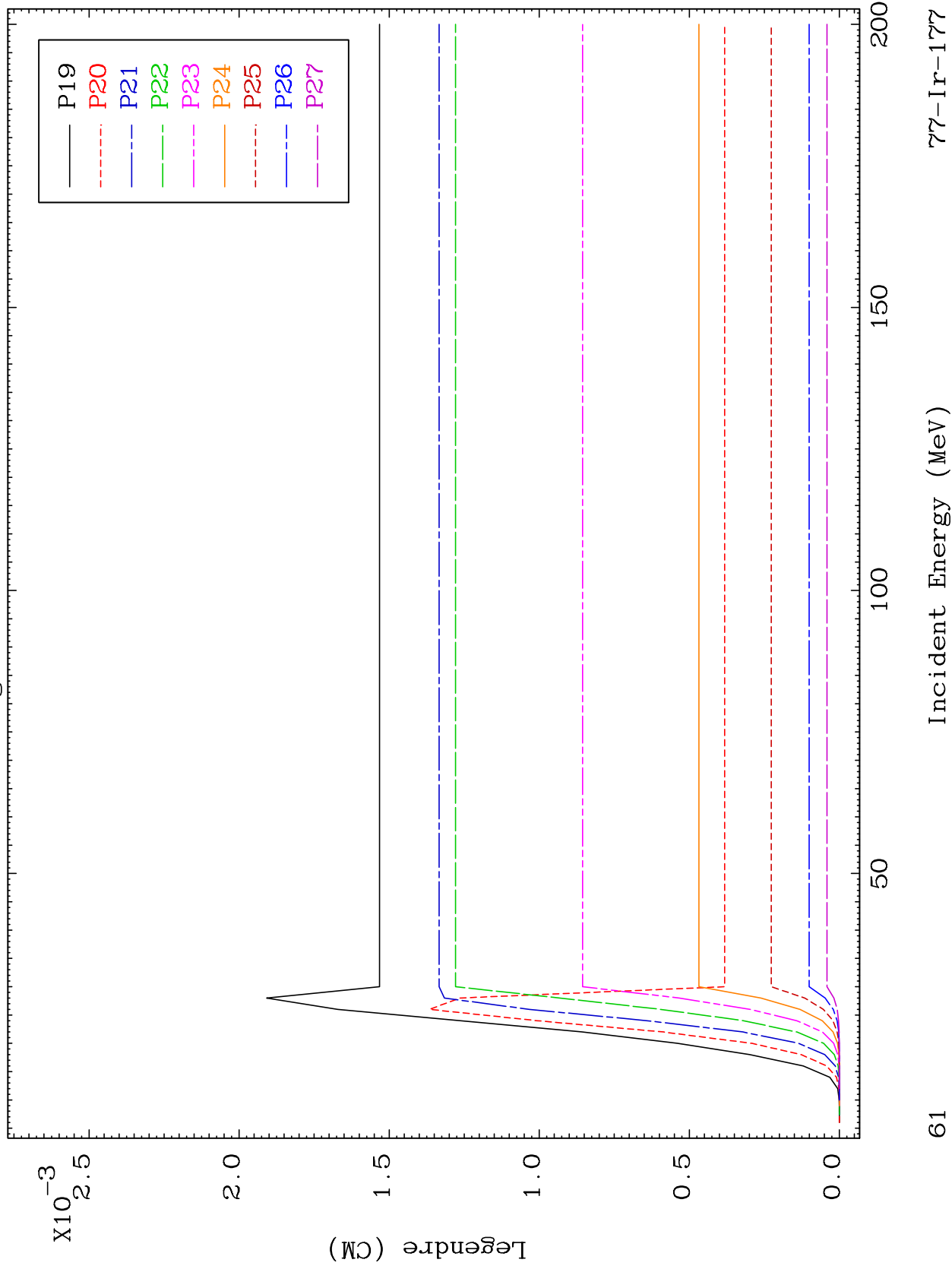
59

MAT 7683

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

77-Ir-177

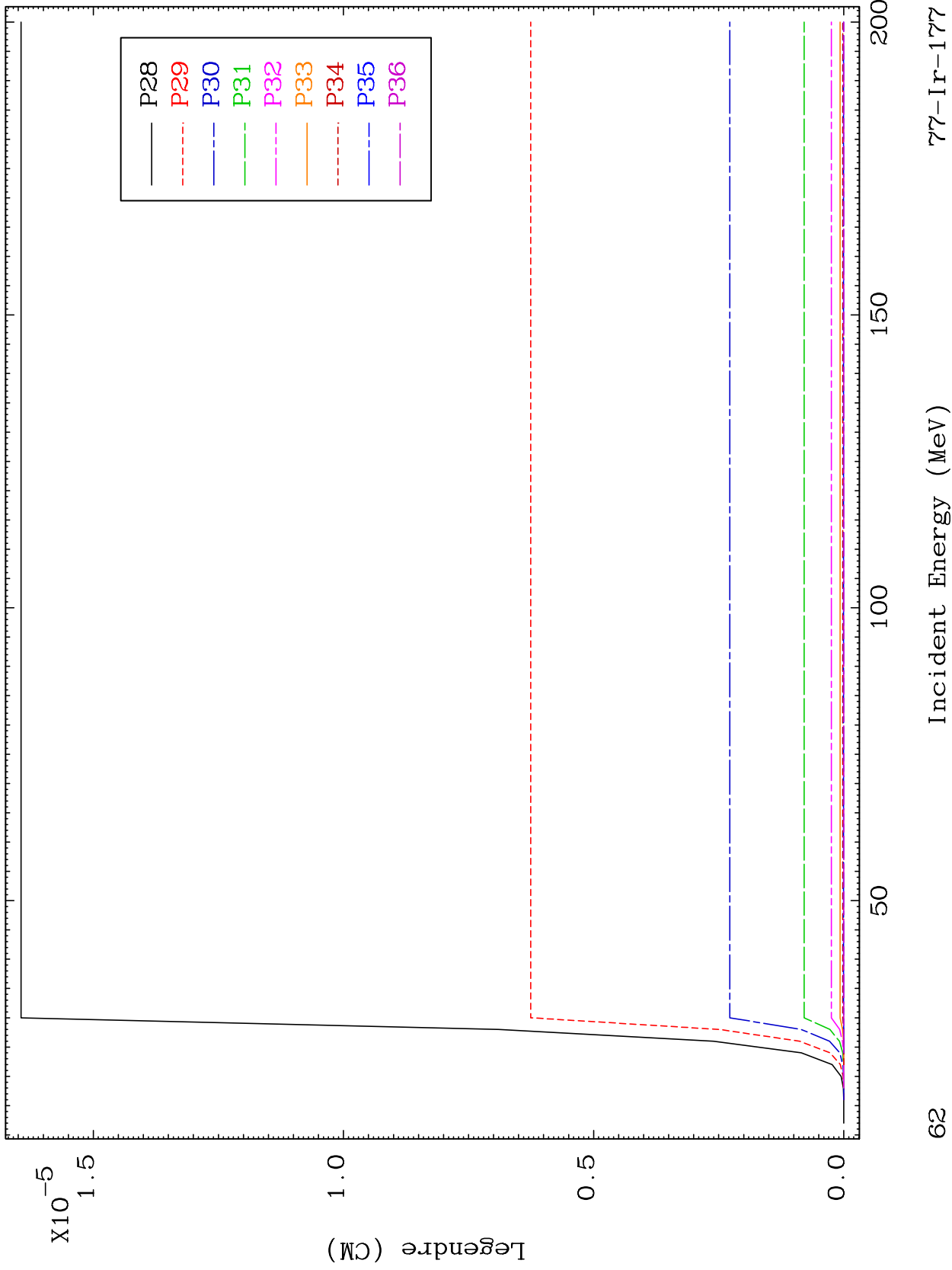




MAT 7683

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

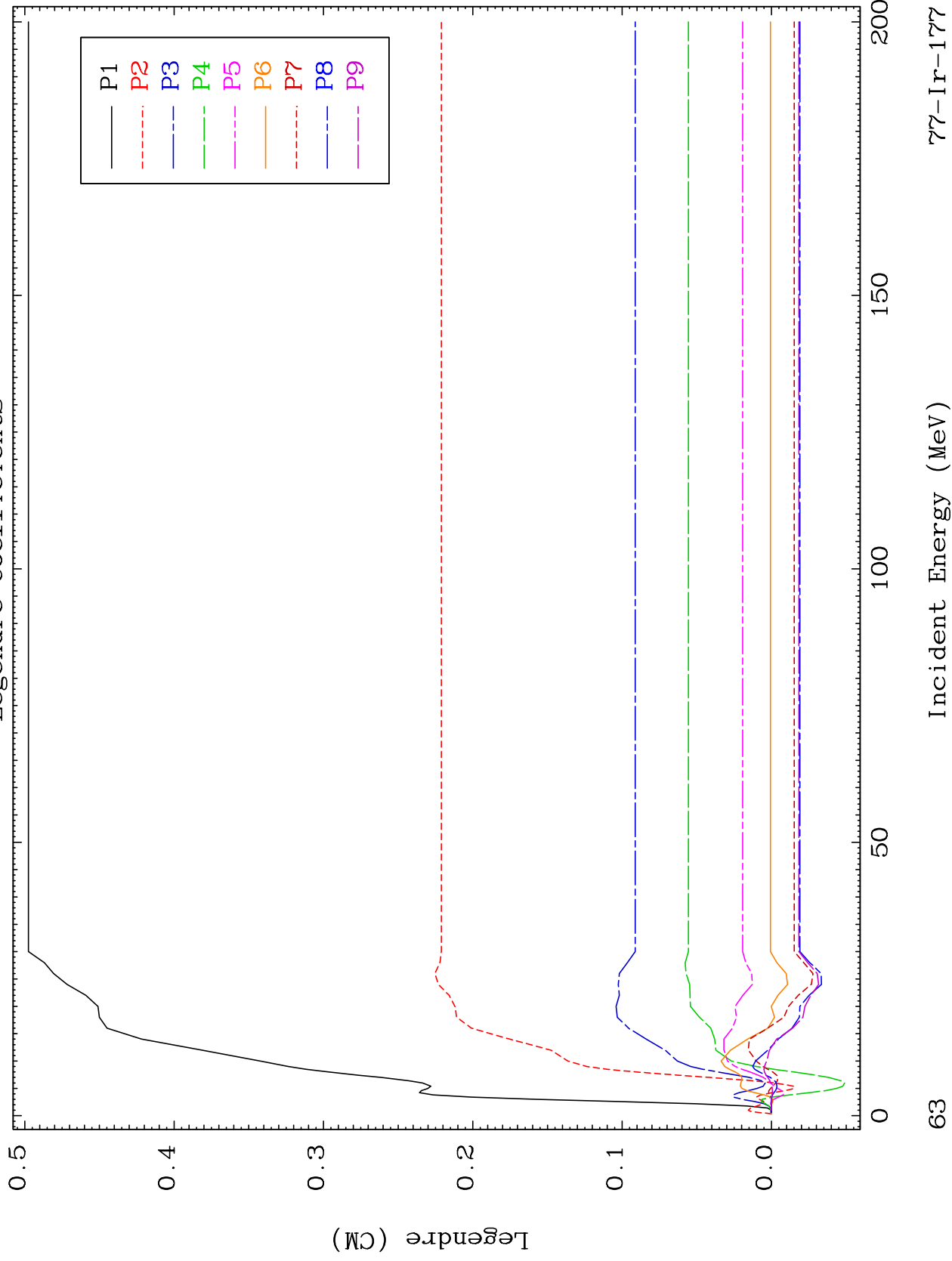
77-Ir-177



MAT 7683

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

⁷⁷Ir-177



⁷⁷Ir-177

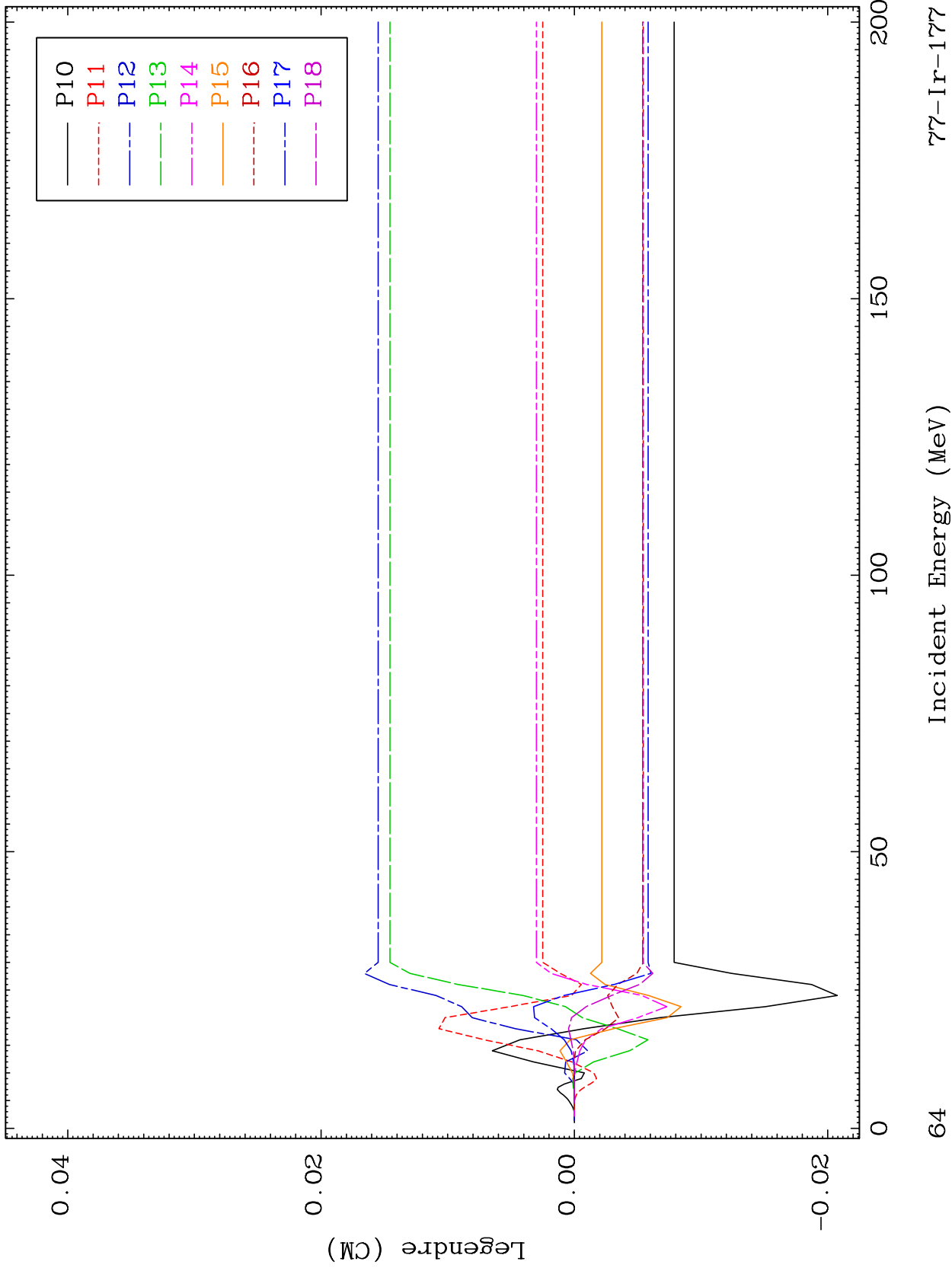
Incident Energy (MeV)

63

MAT 7683

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

77-Ir-177



77-Ir-177

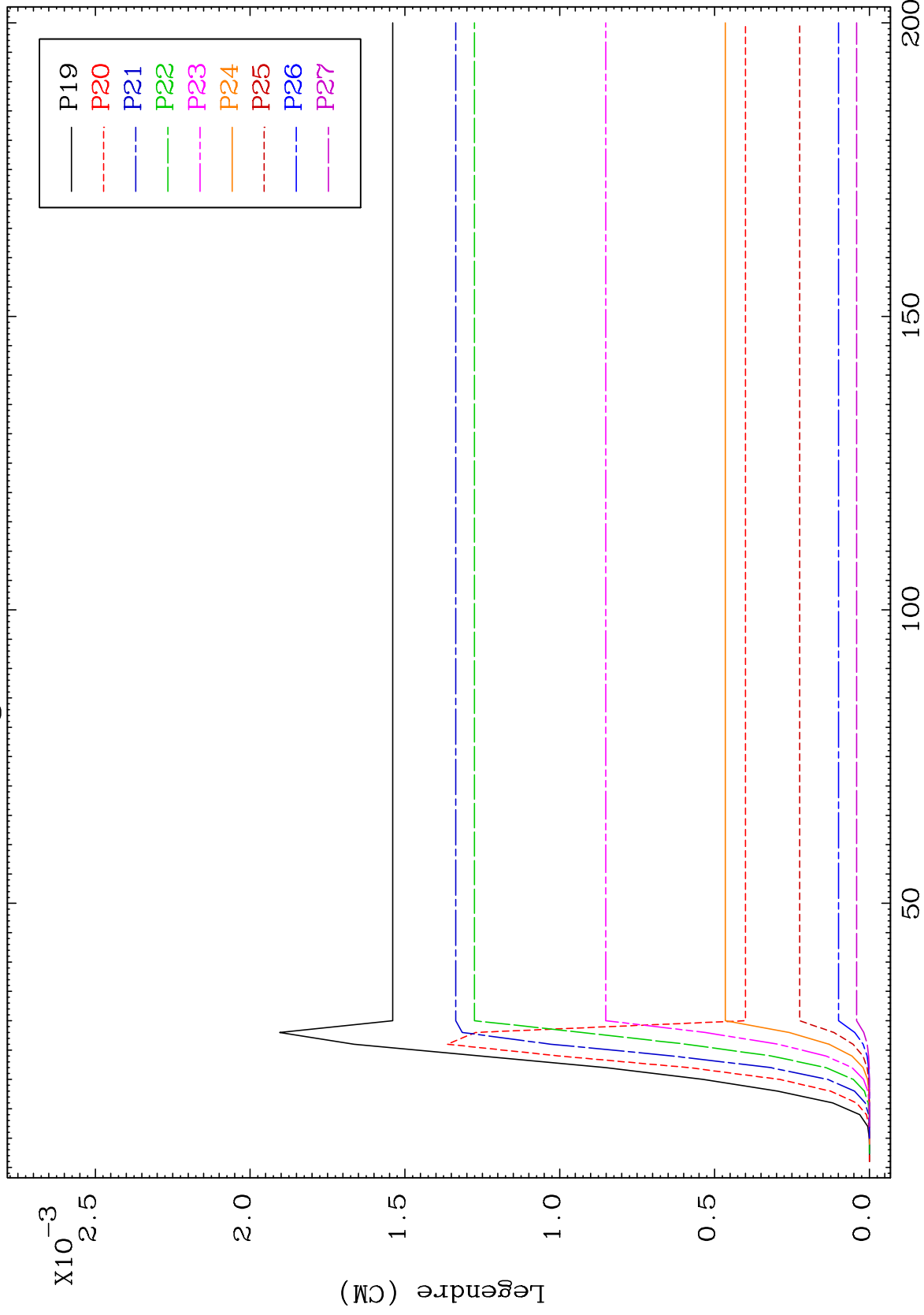
Incident Energy (MeV)

64

MAT 7683

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

77-Ir-177



65

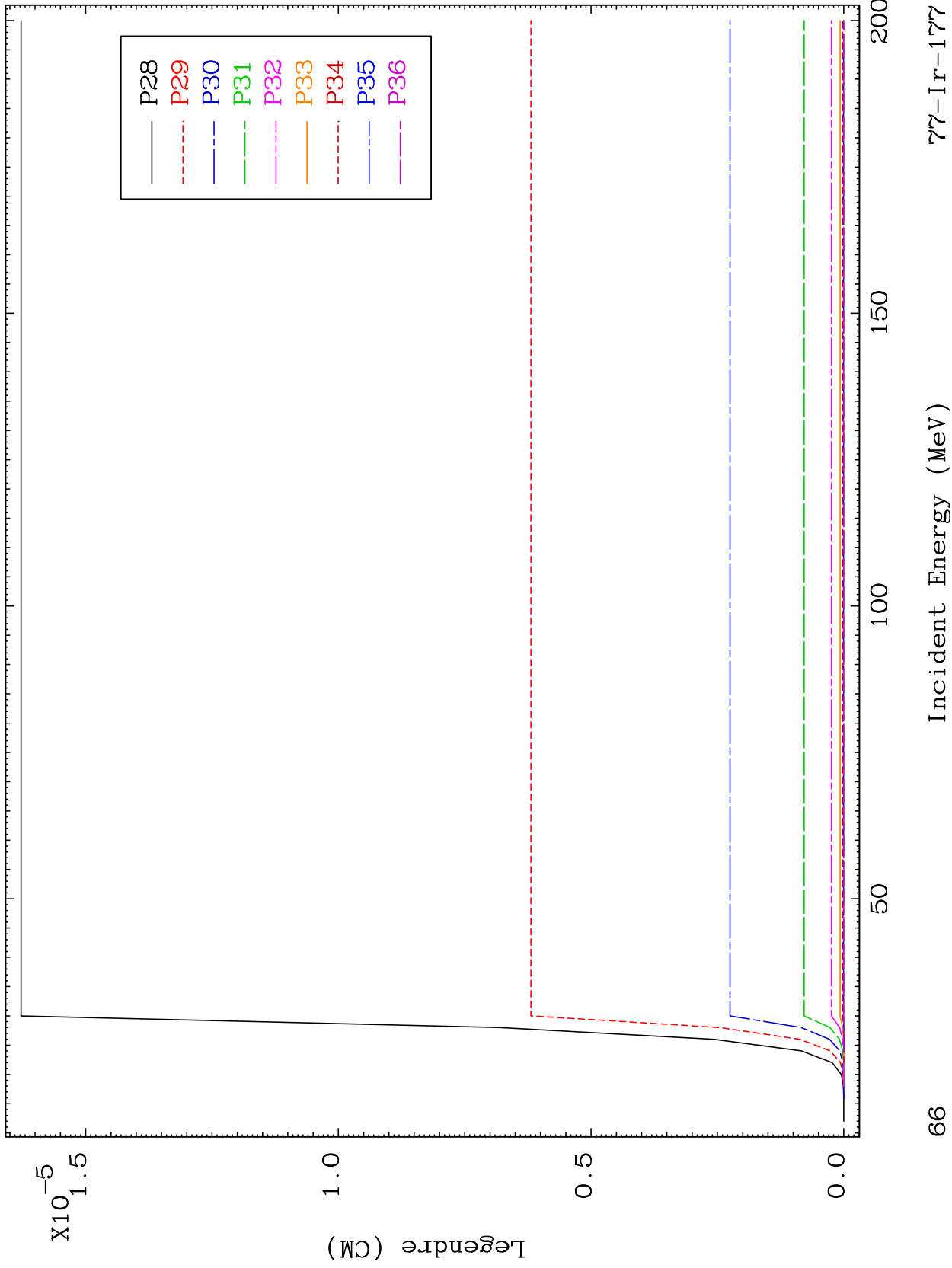
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

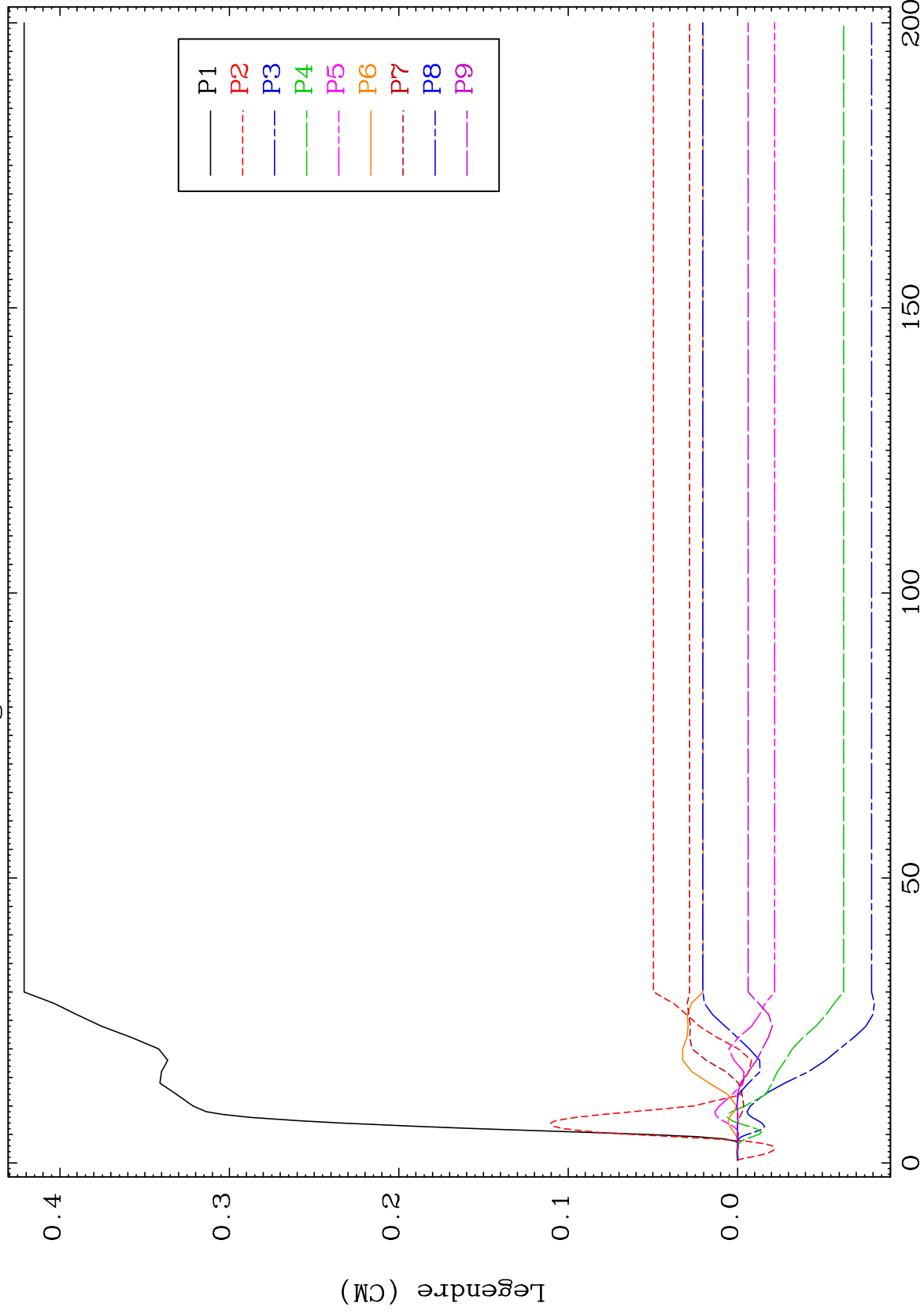
77-Ir-177



MAT 7683

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

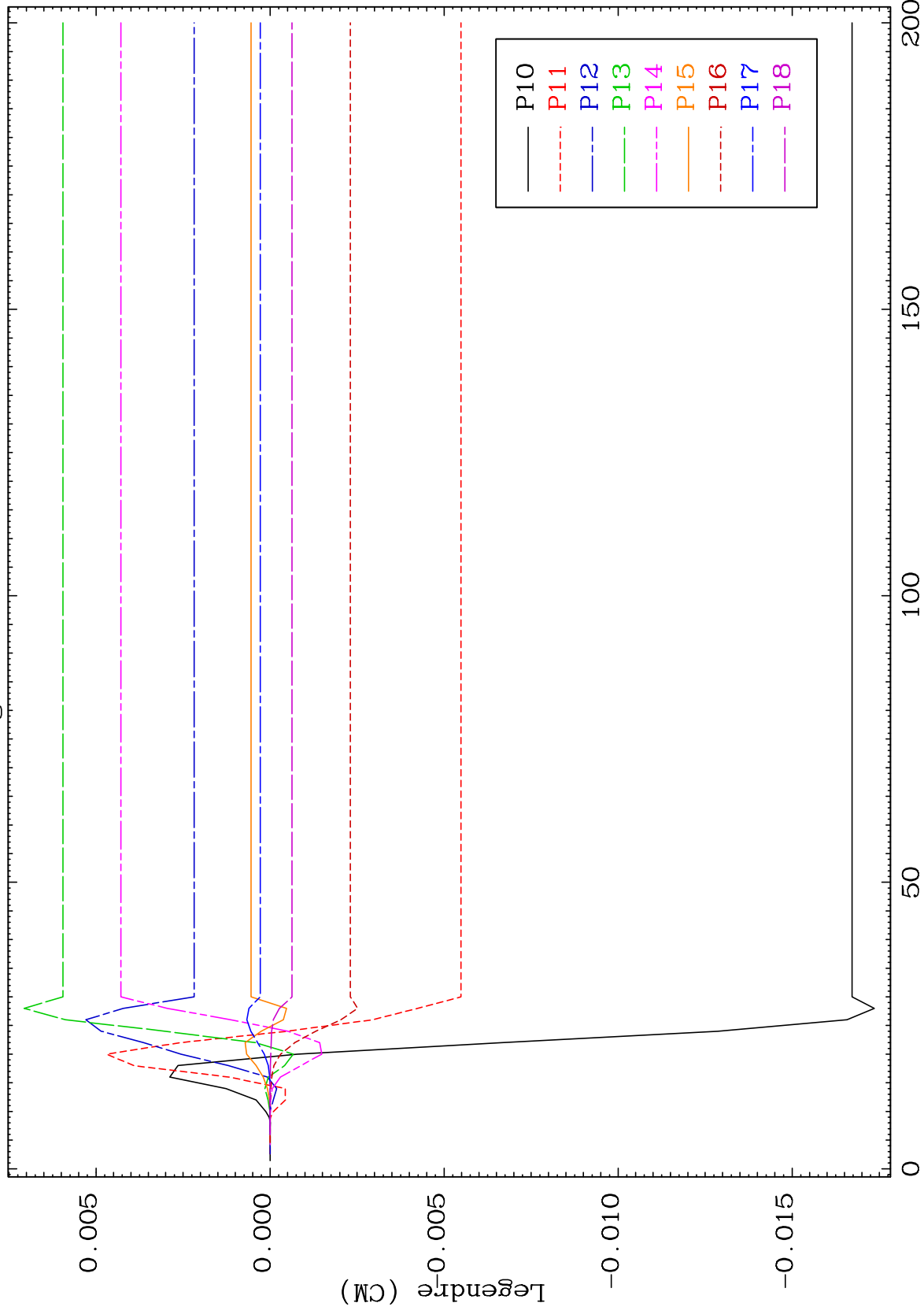
⁷⁷Ir-177



MAT 7683

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

77-Ir-177



68

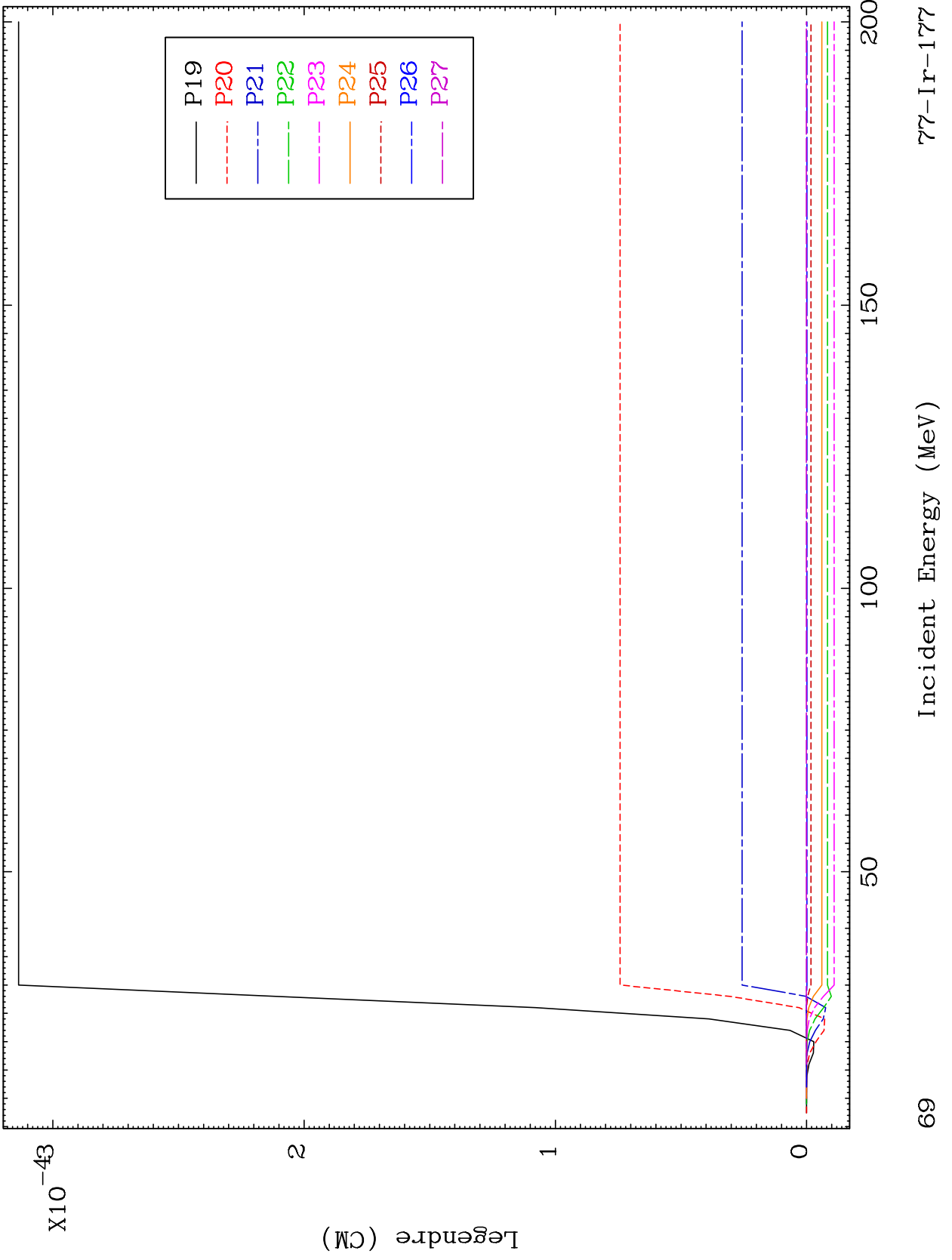
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177

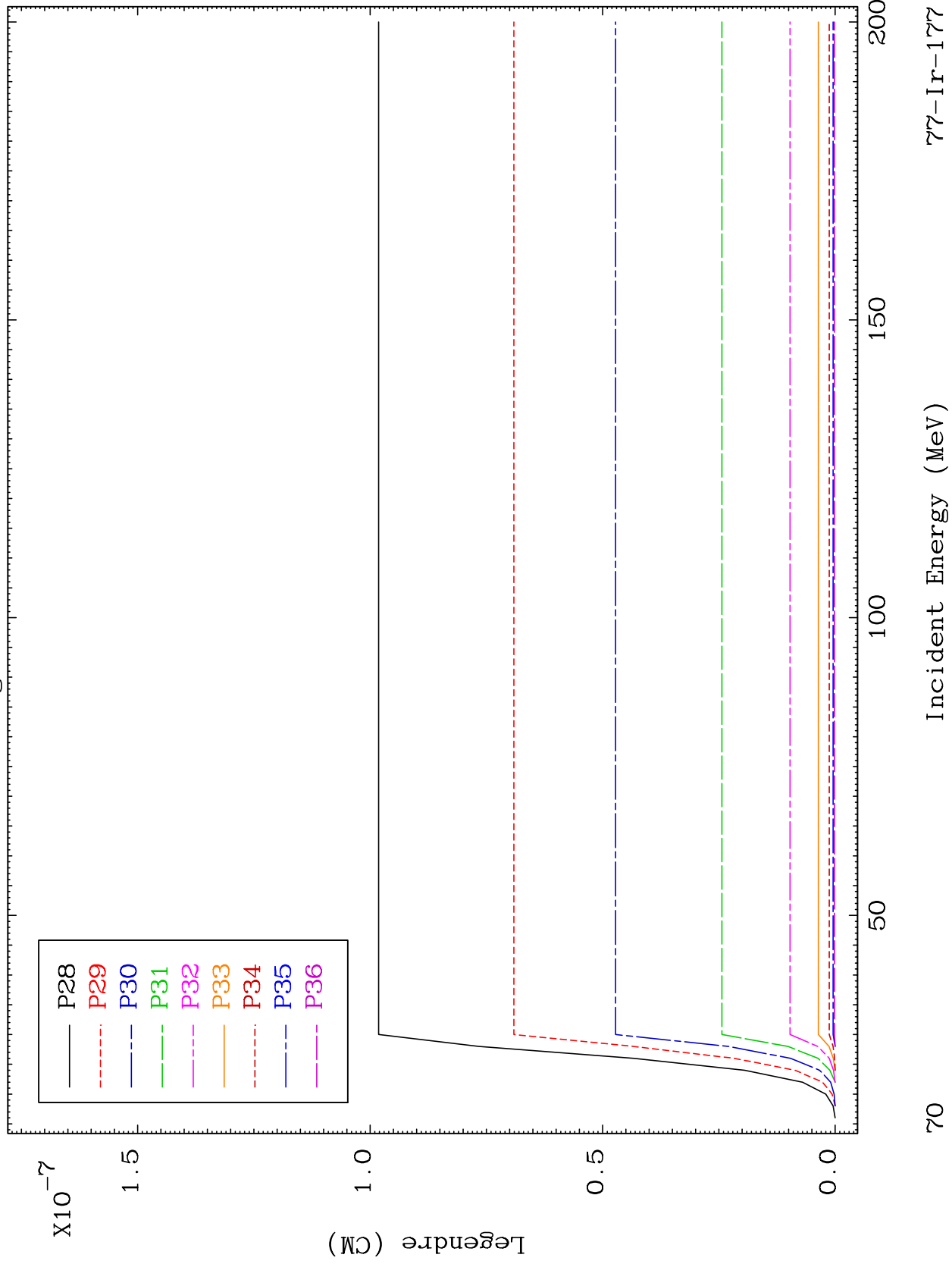


69

MAT 7683

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

77-Ir-177



70

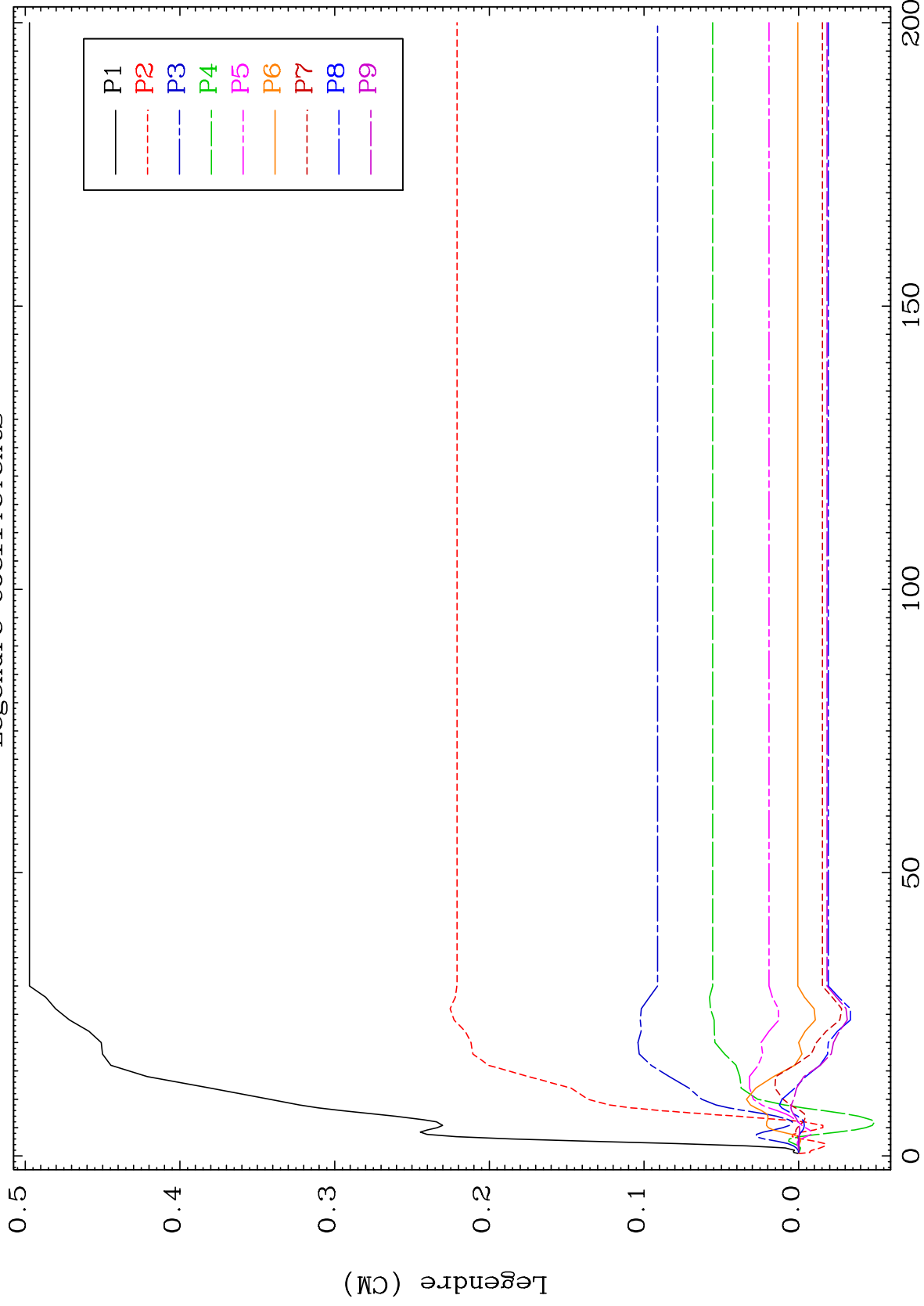
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



71

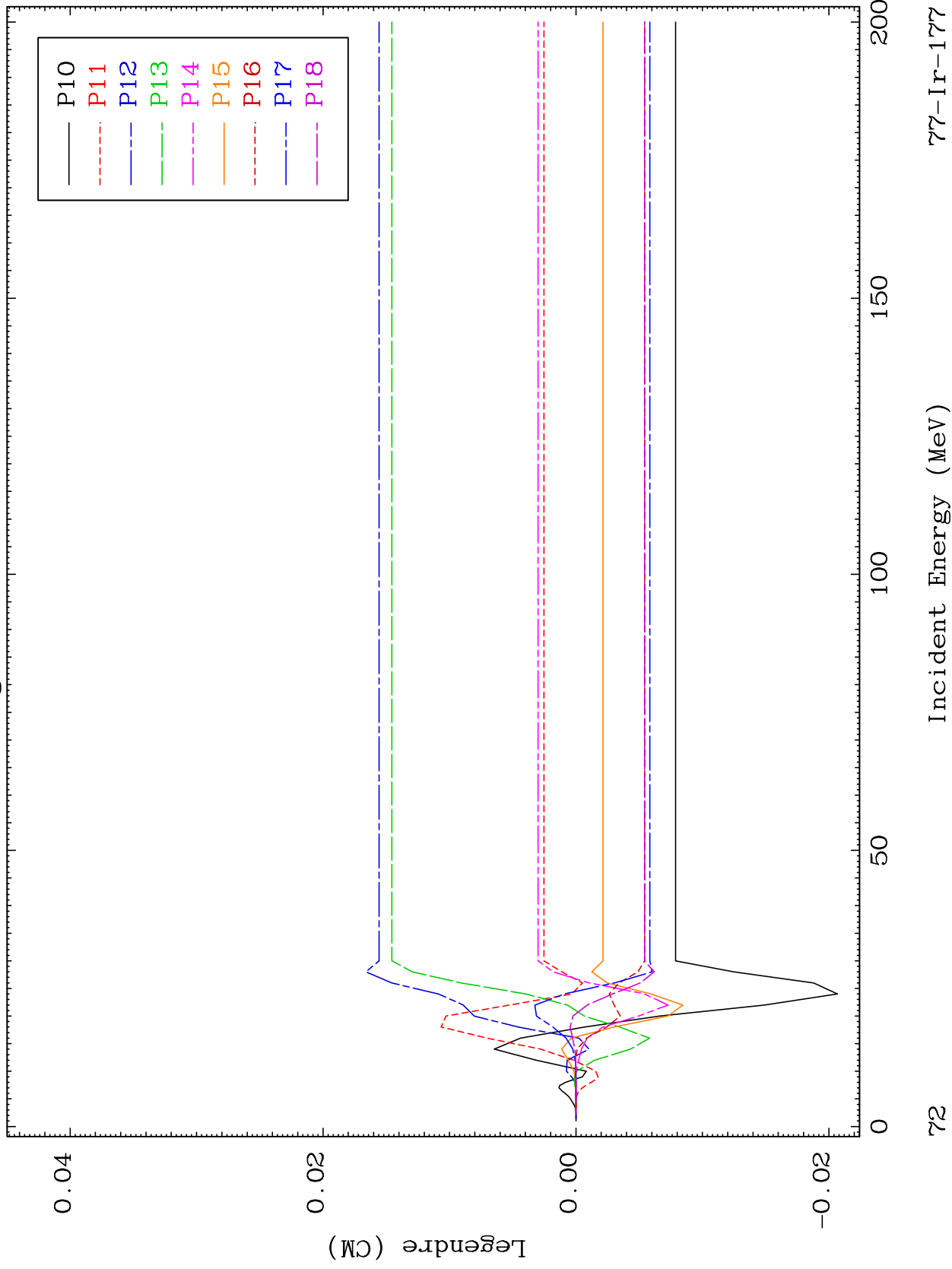
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



72

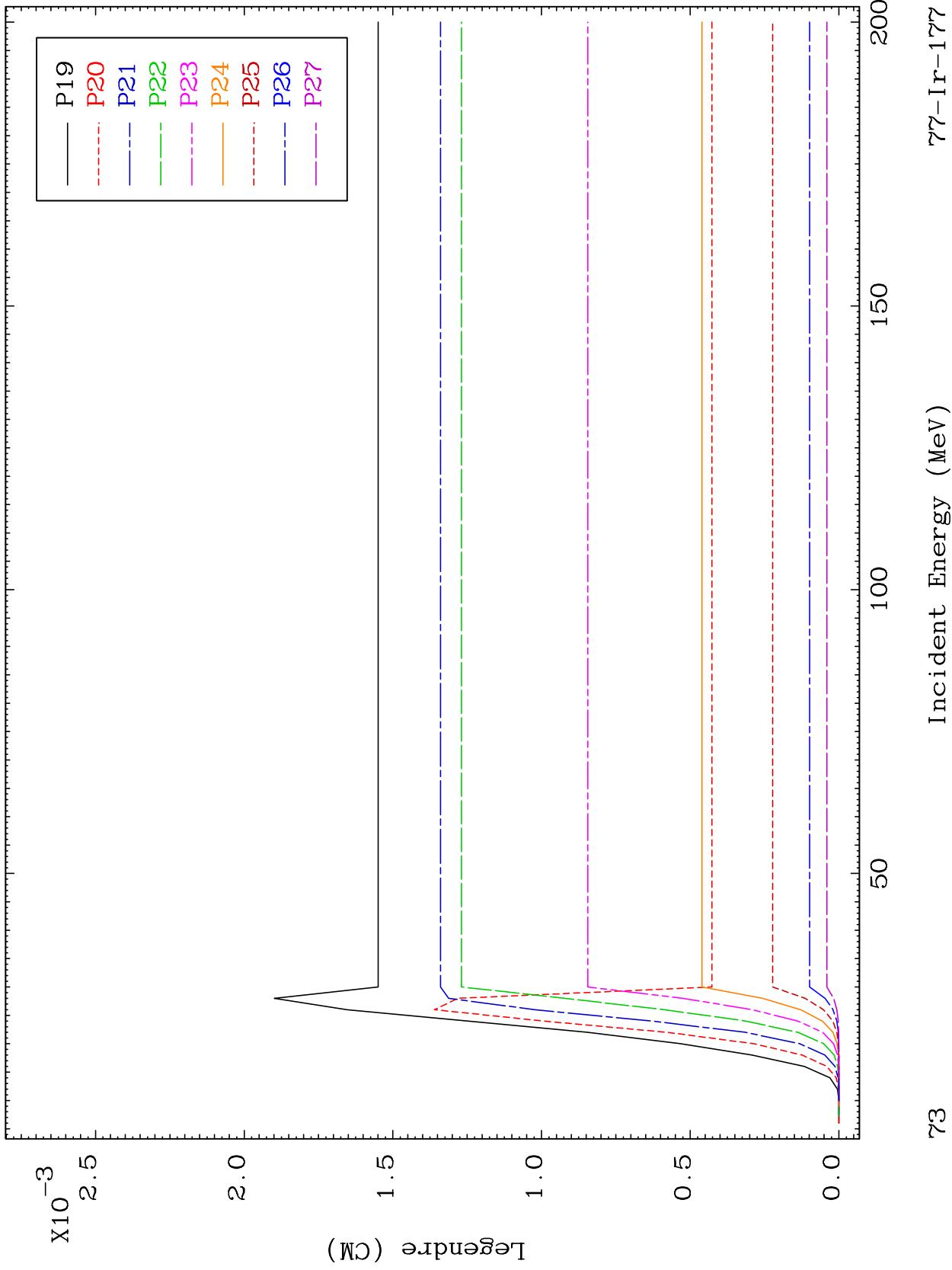
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



73

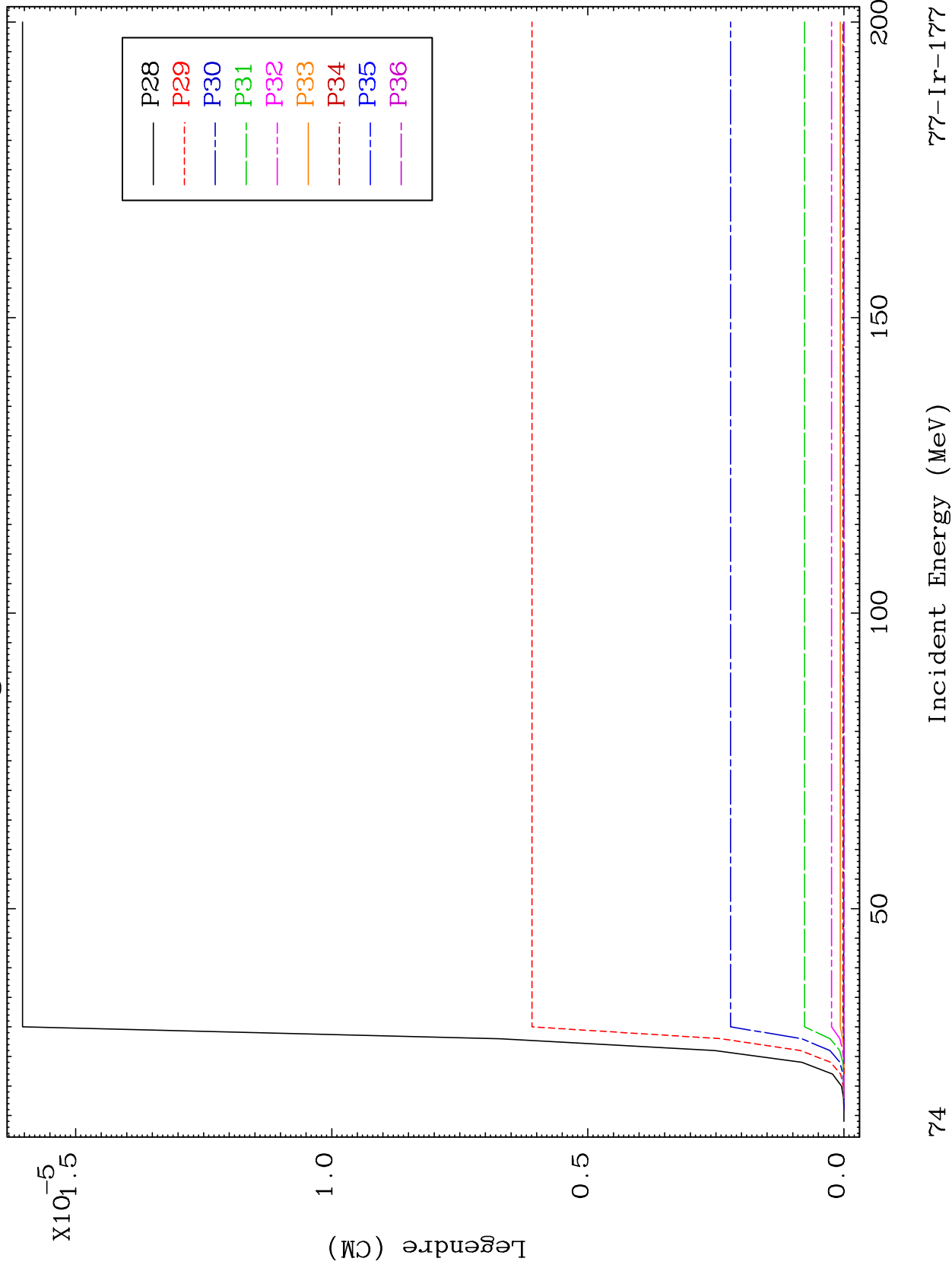
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



74

Incident Energy (MeV)

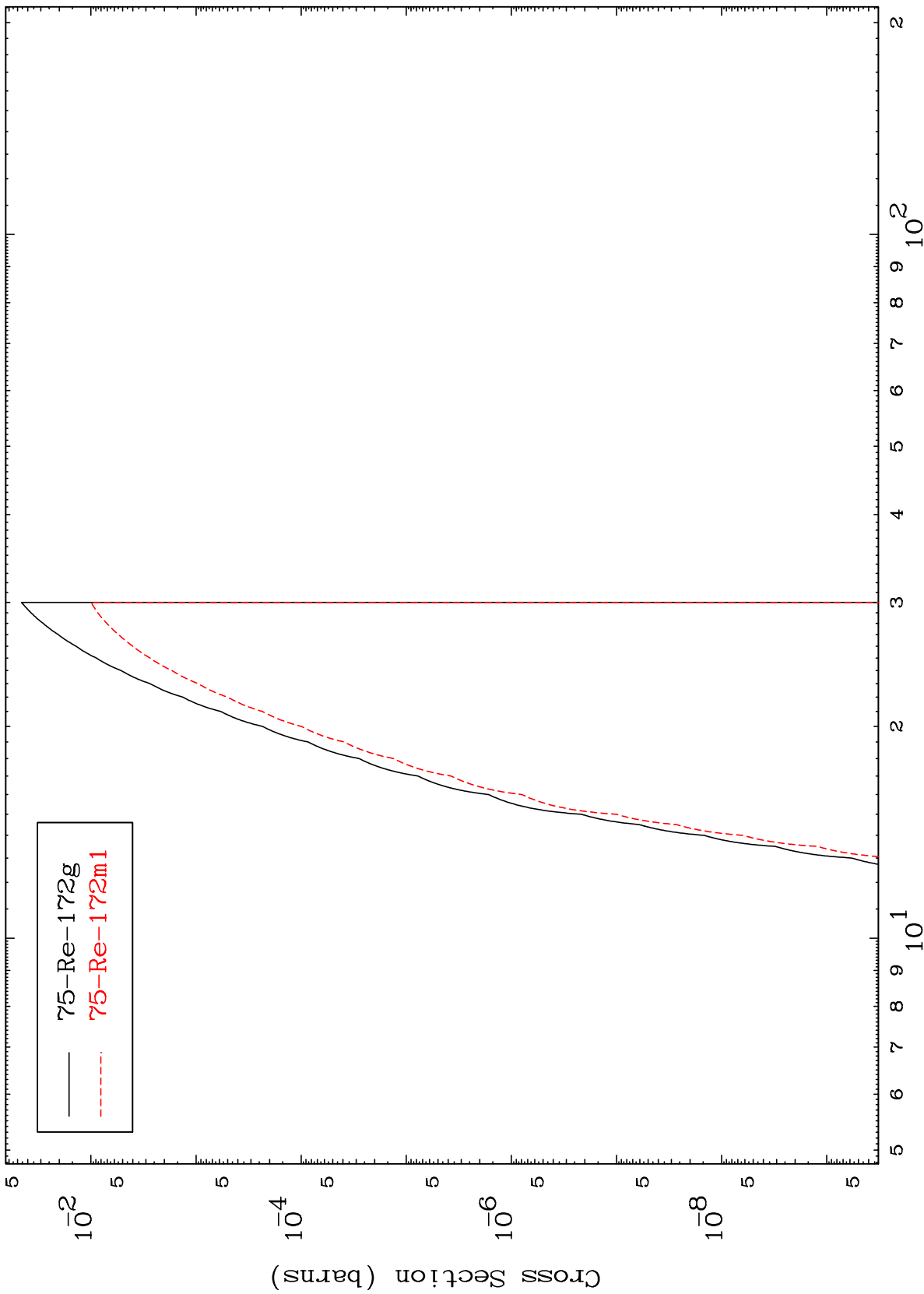
77-Ir-177

MAT 7683

$^{77}\text{Ir-177}$ α

$^{77}\text{Ir-177}$

Radionuclide Production Cross Section



— 75-Re-172g
- - - 75-Re-172m1

Incident Energy (MeV)

75

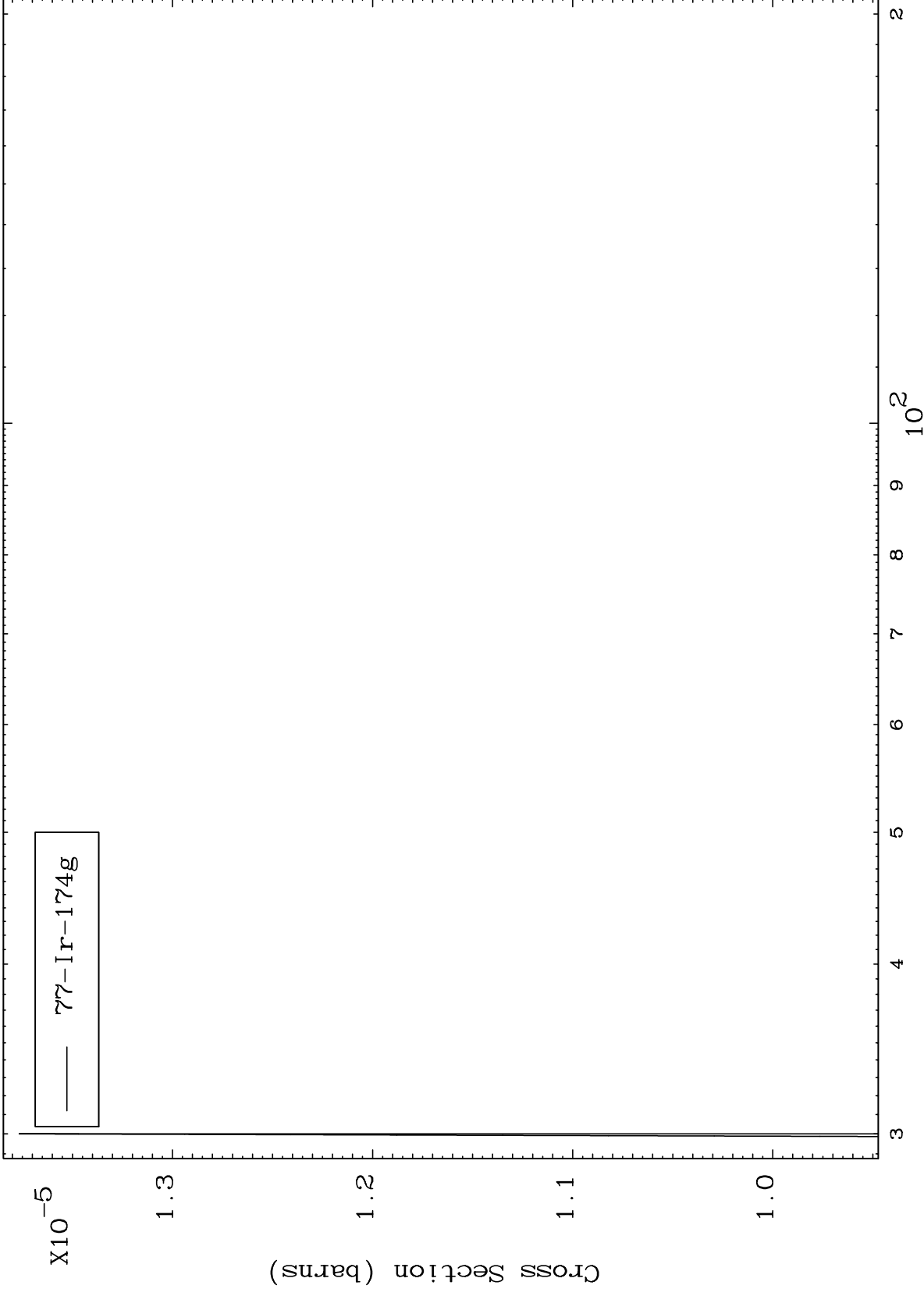
$^{77}\text{Ir-177}$

MAT 7683

(n,4n)

⁷⁷Ir-177

Radionuclide Production Cross Section



76

Incident Energy (MeV)

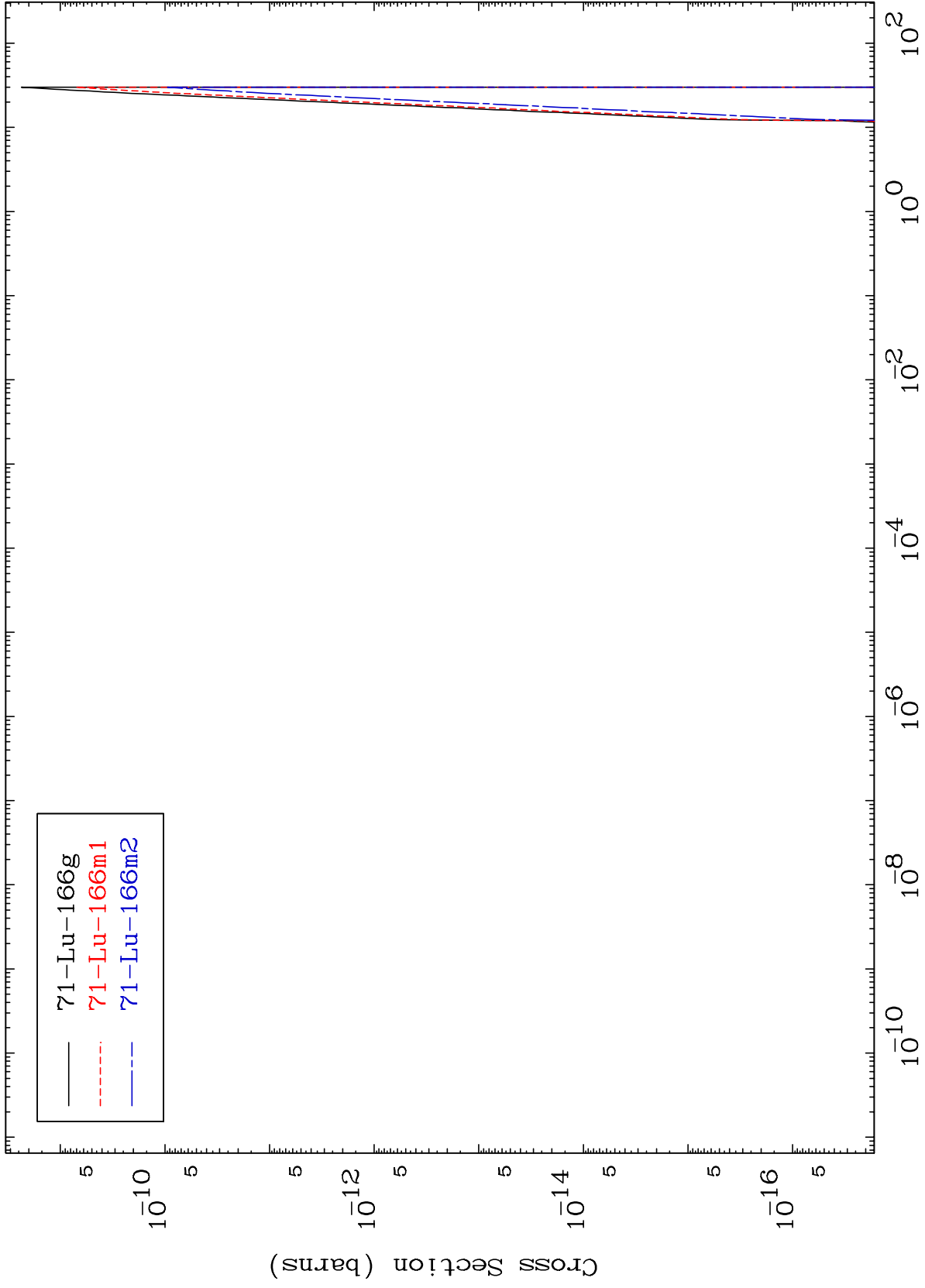
⁷⁷Ir-177

MAT 7683

$^{77}\text{Ir-177}$

$^{77}\text{Ir-177}$

Radionuclide Production Cross Section



77

Incident Energy (MeV)

$^{77}\text{Ir-177}$