

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

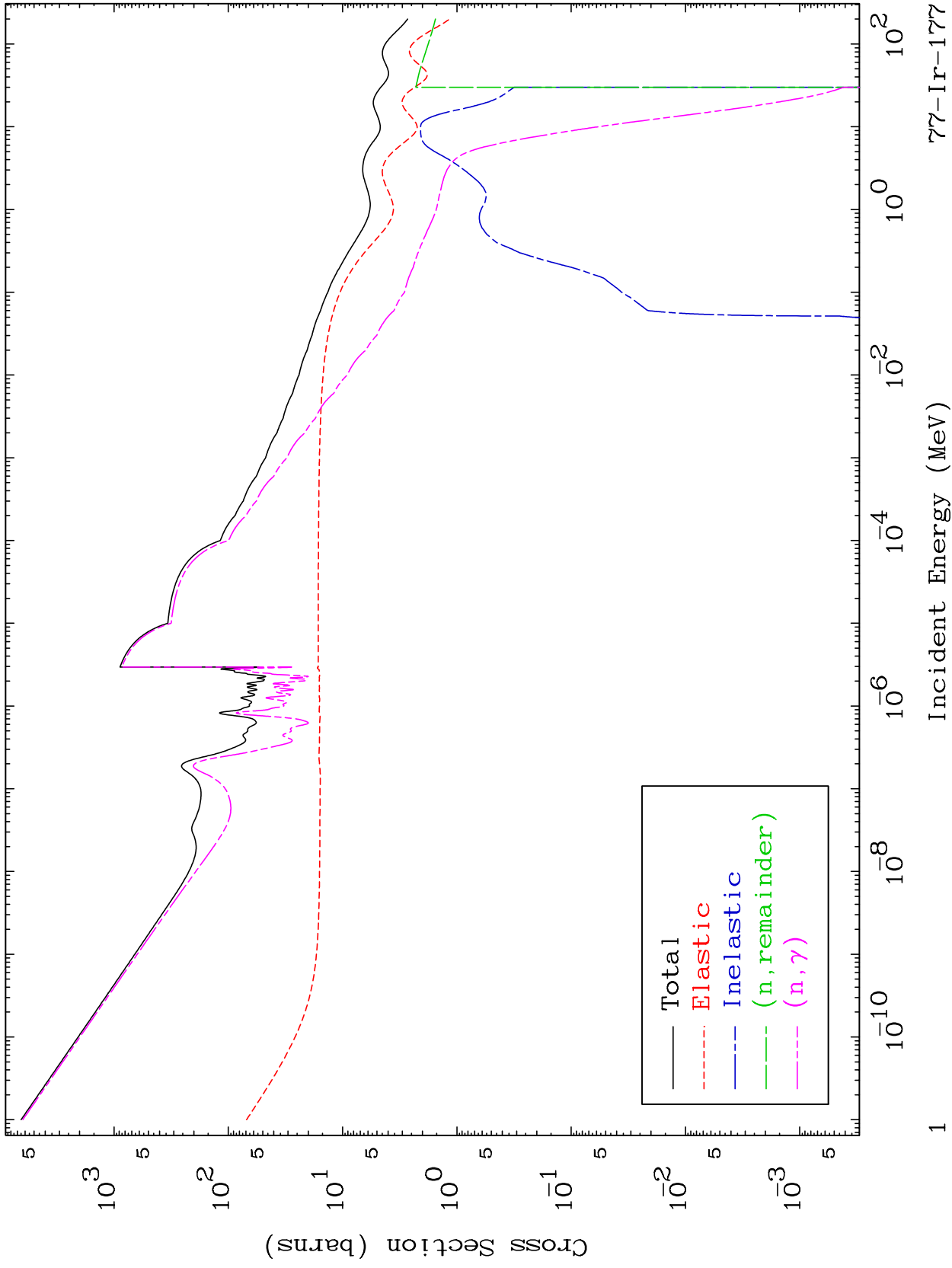
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7683

Major
293 Kelvin Cross Sections

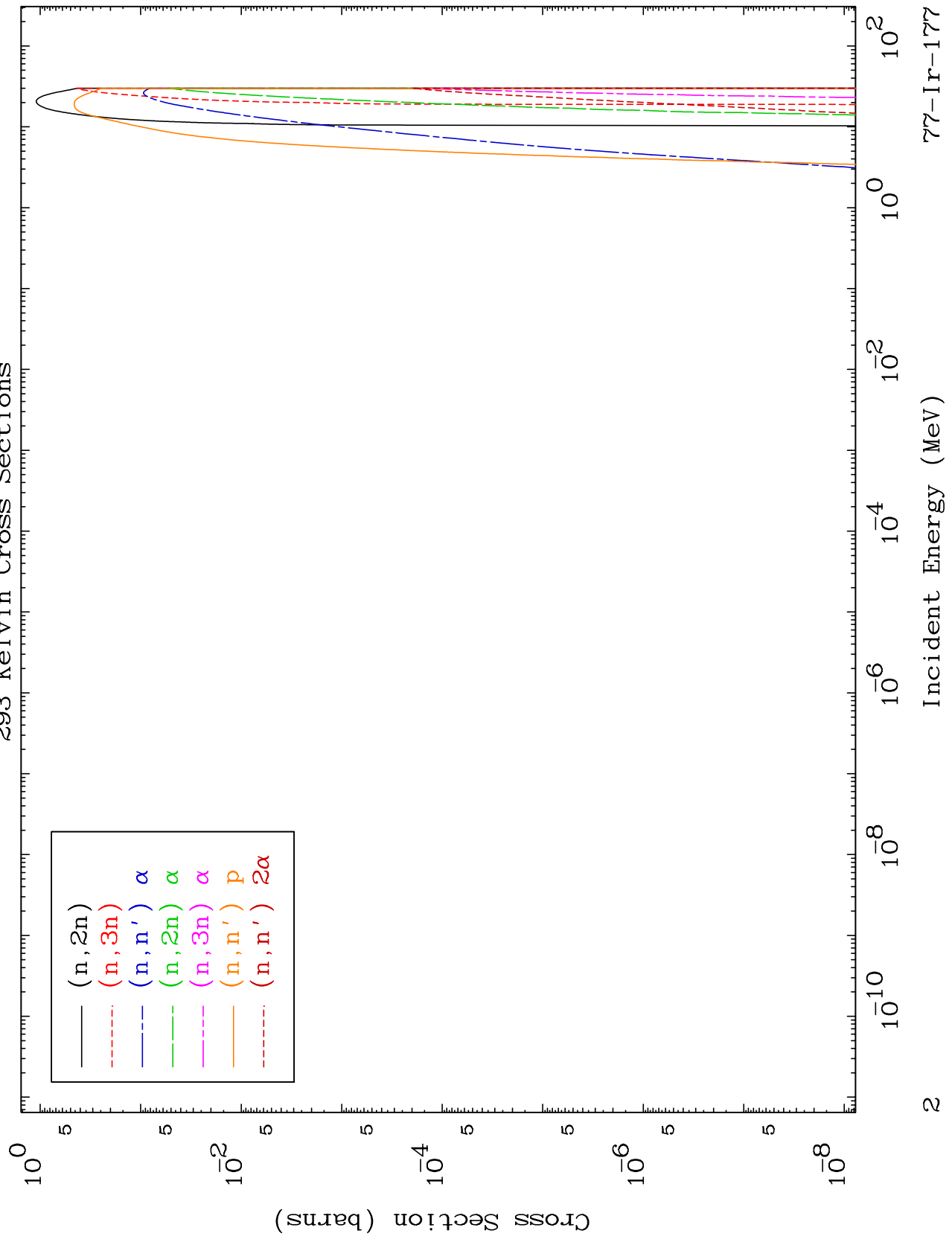
⁷⁷Ir-177



MAT 7683

Neutron Production
293 Kelvin Cross Sections

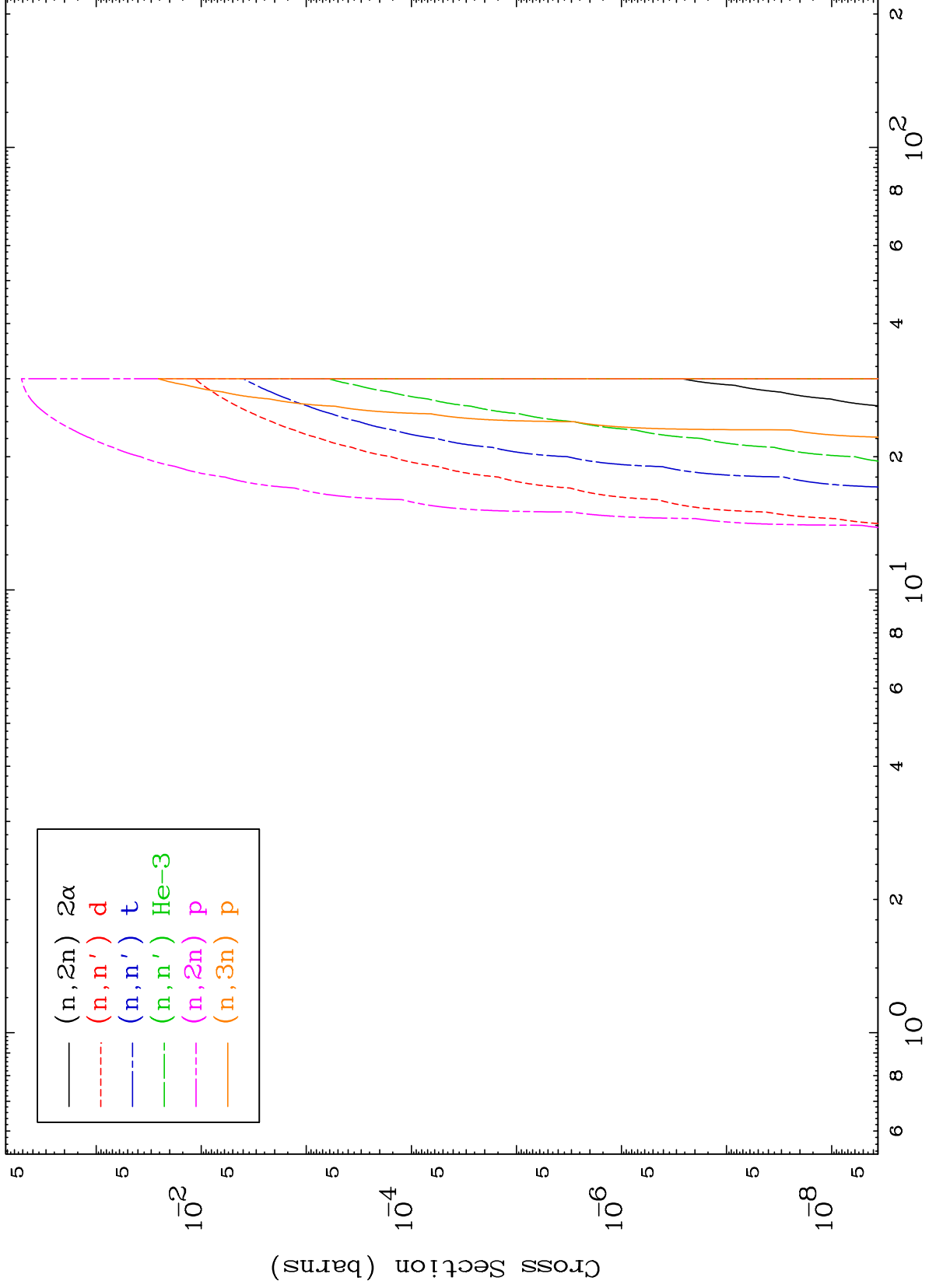
⁷⁷Ir-177



MAT 7683

Neutron Production
293 Kelvin Cross Sections

⁷⁷Ir-177



Incident Energy (MeV)

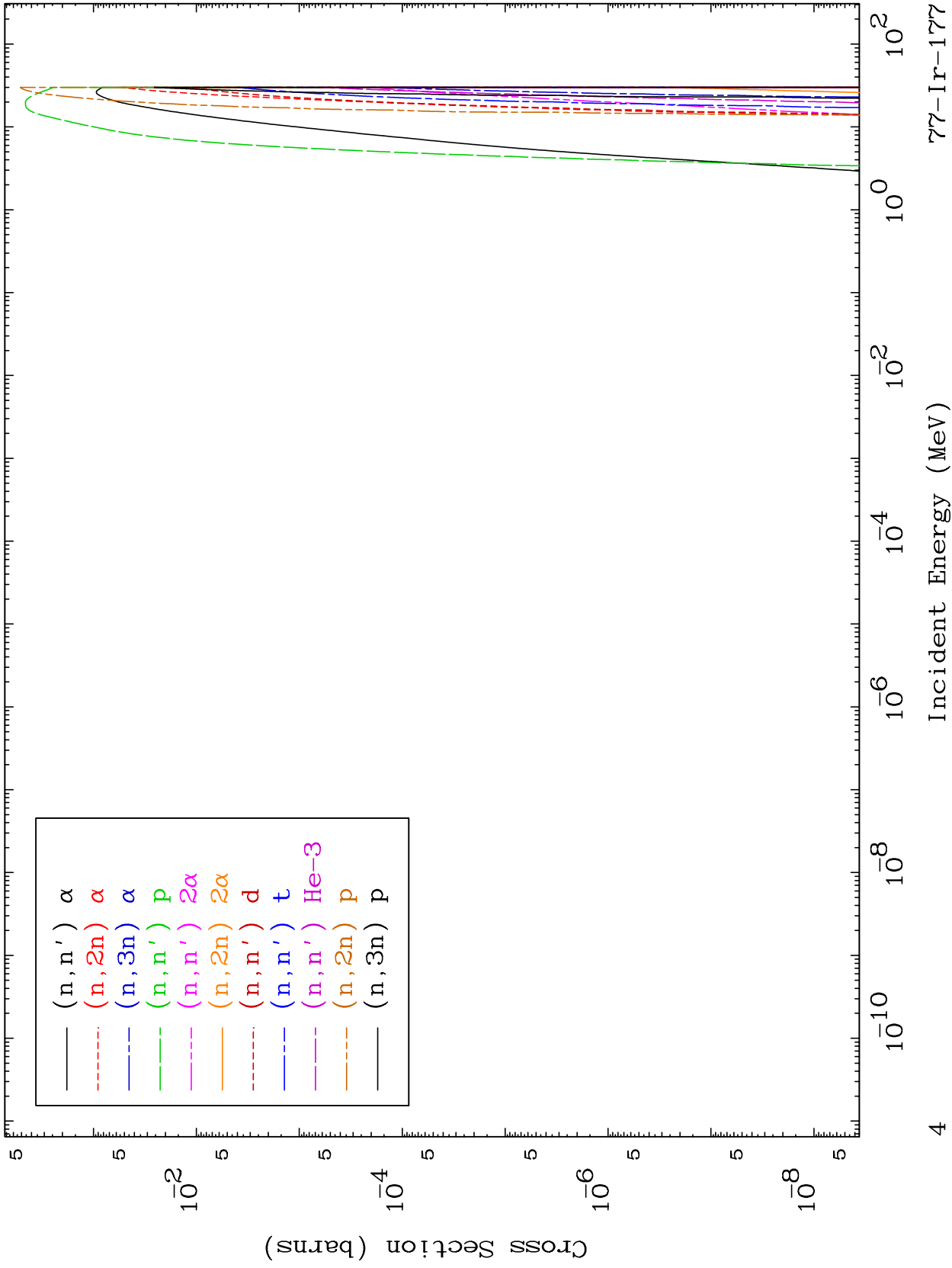
⁷⁷Ir-177

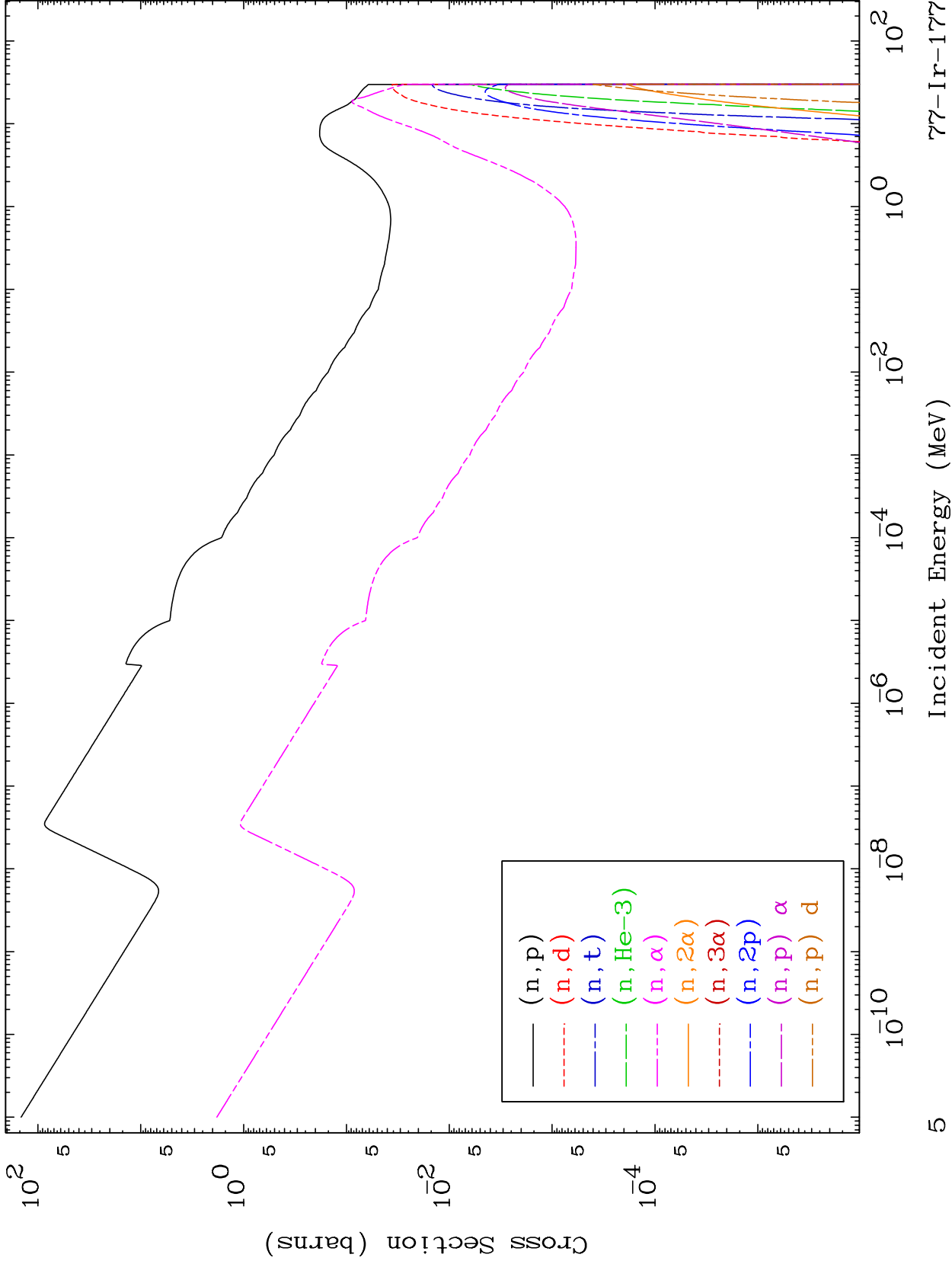
3

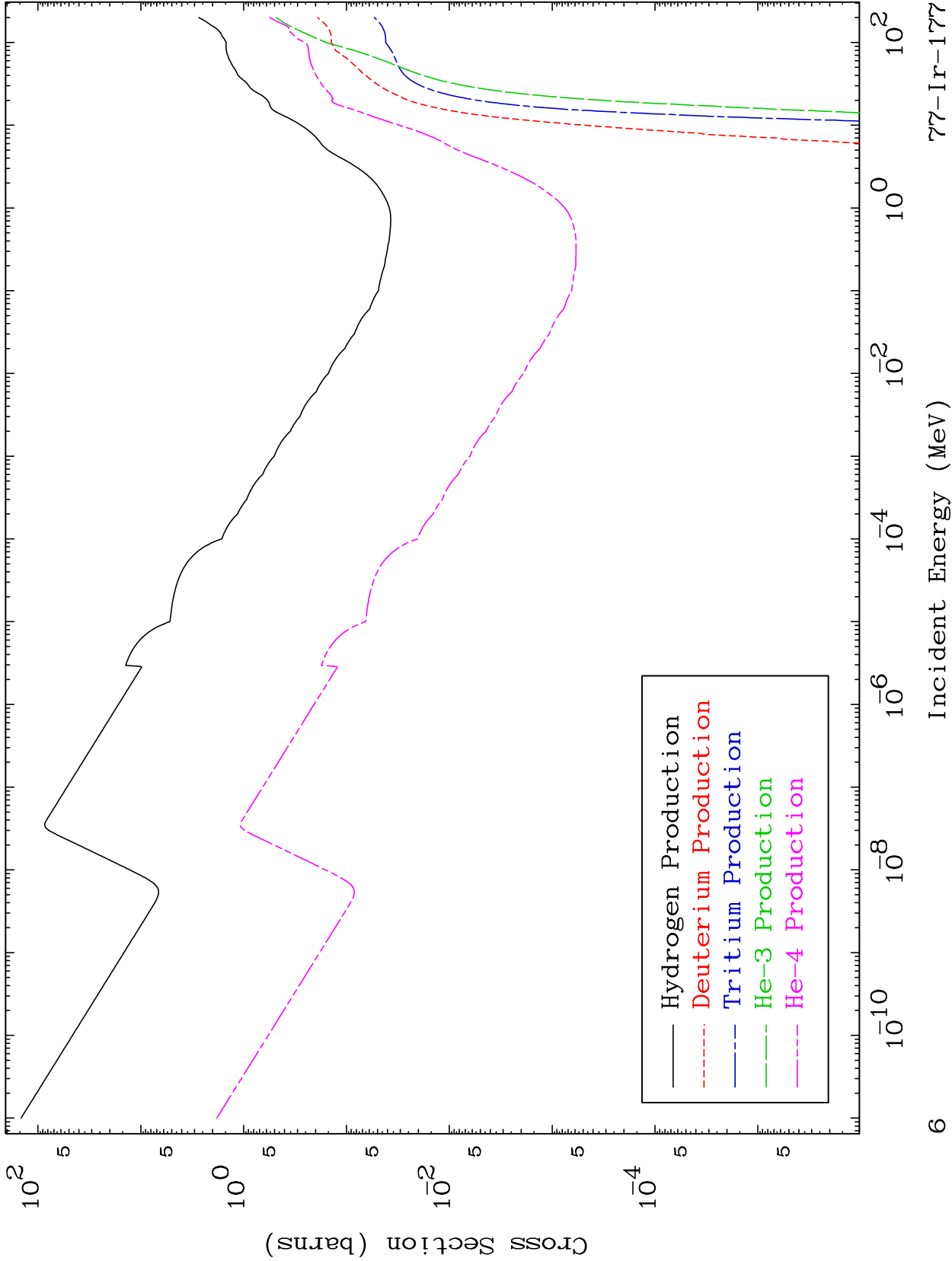
MAT 7683

Charged Particle
293 Kelvin Cross Sections

77-Ir-177





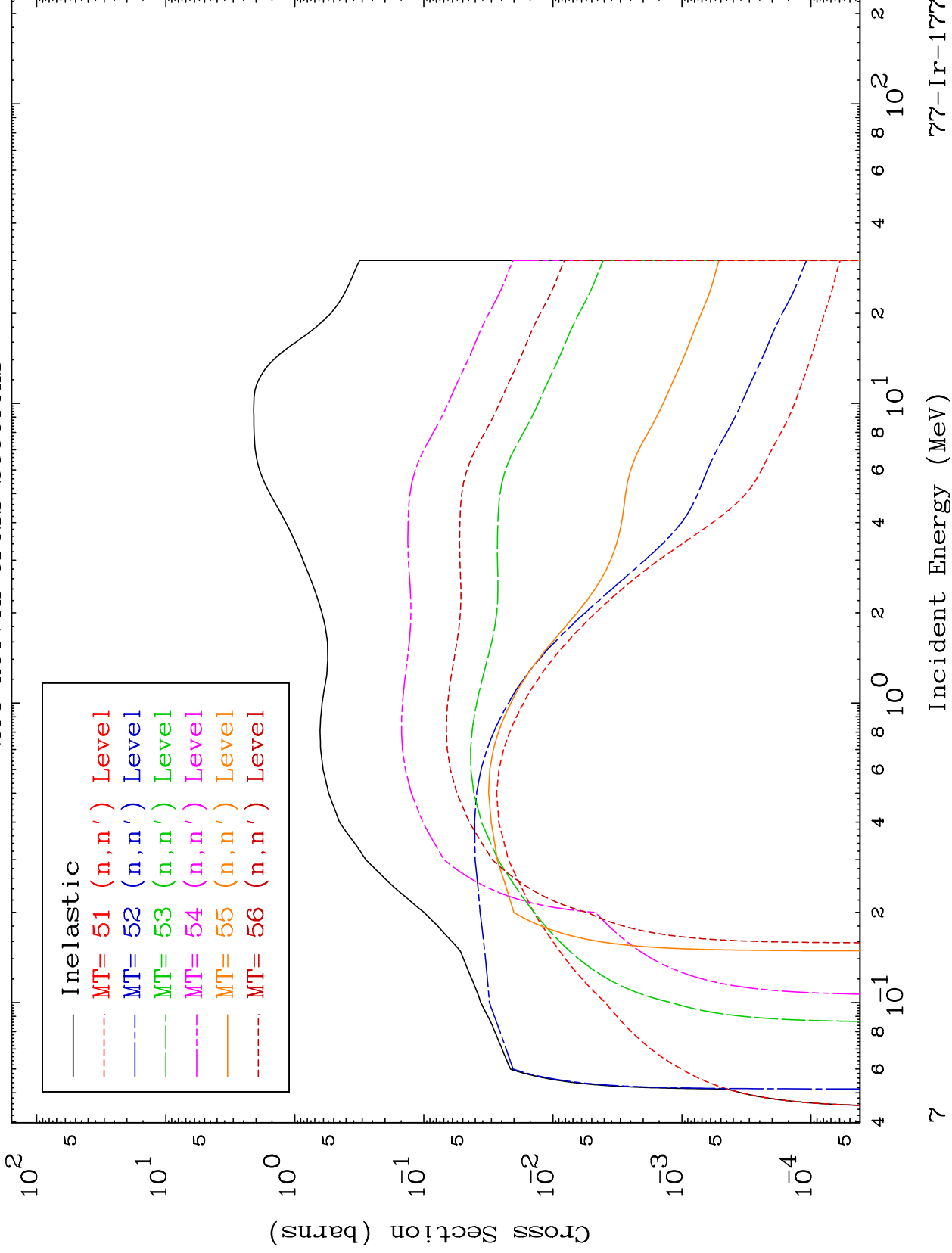


MAT 7683

(n,n') Level

77-Ir-177

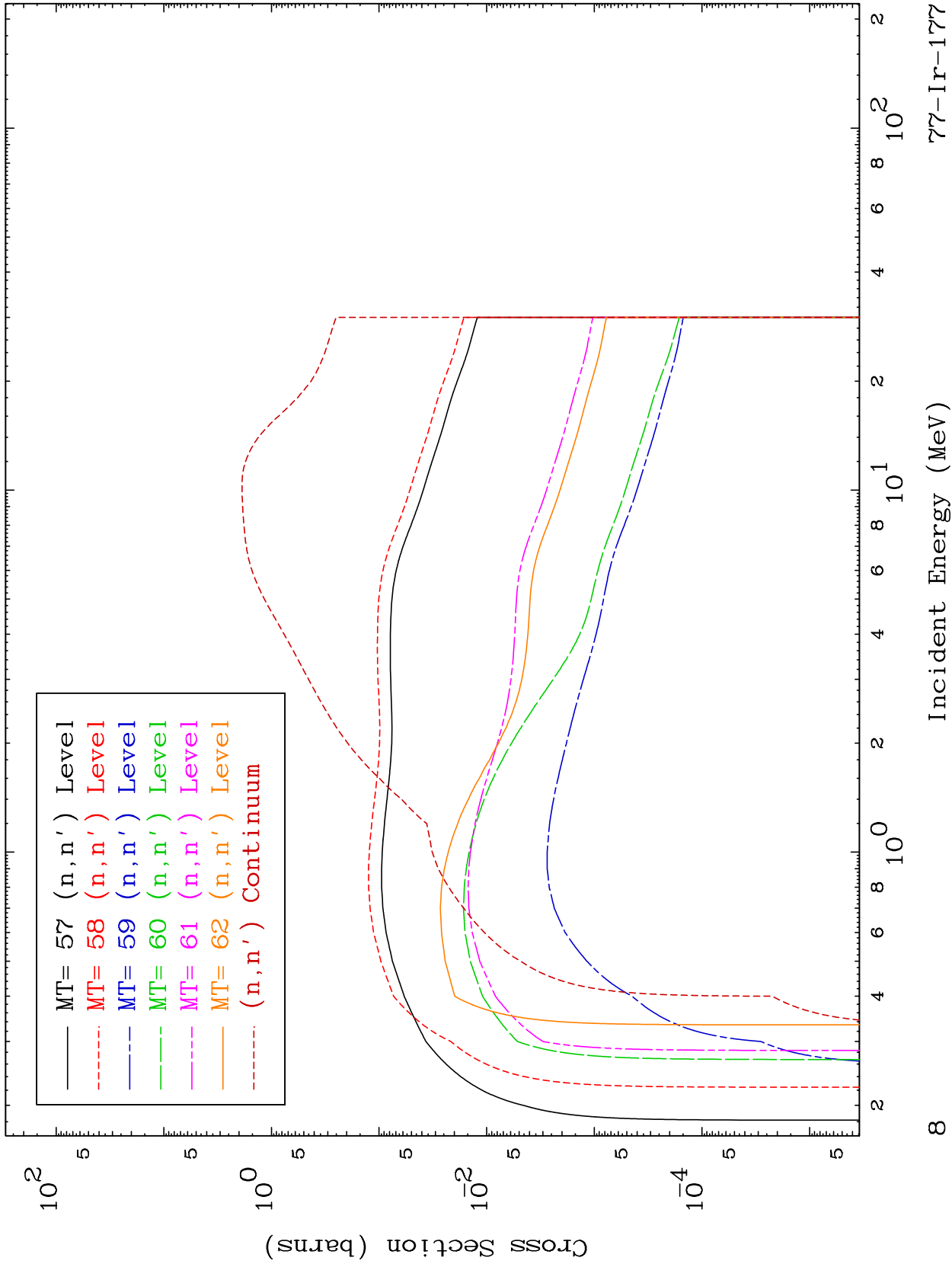
293 Kelvin Cross Sections



Incident Energy (MeV)

77-Ir-177

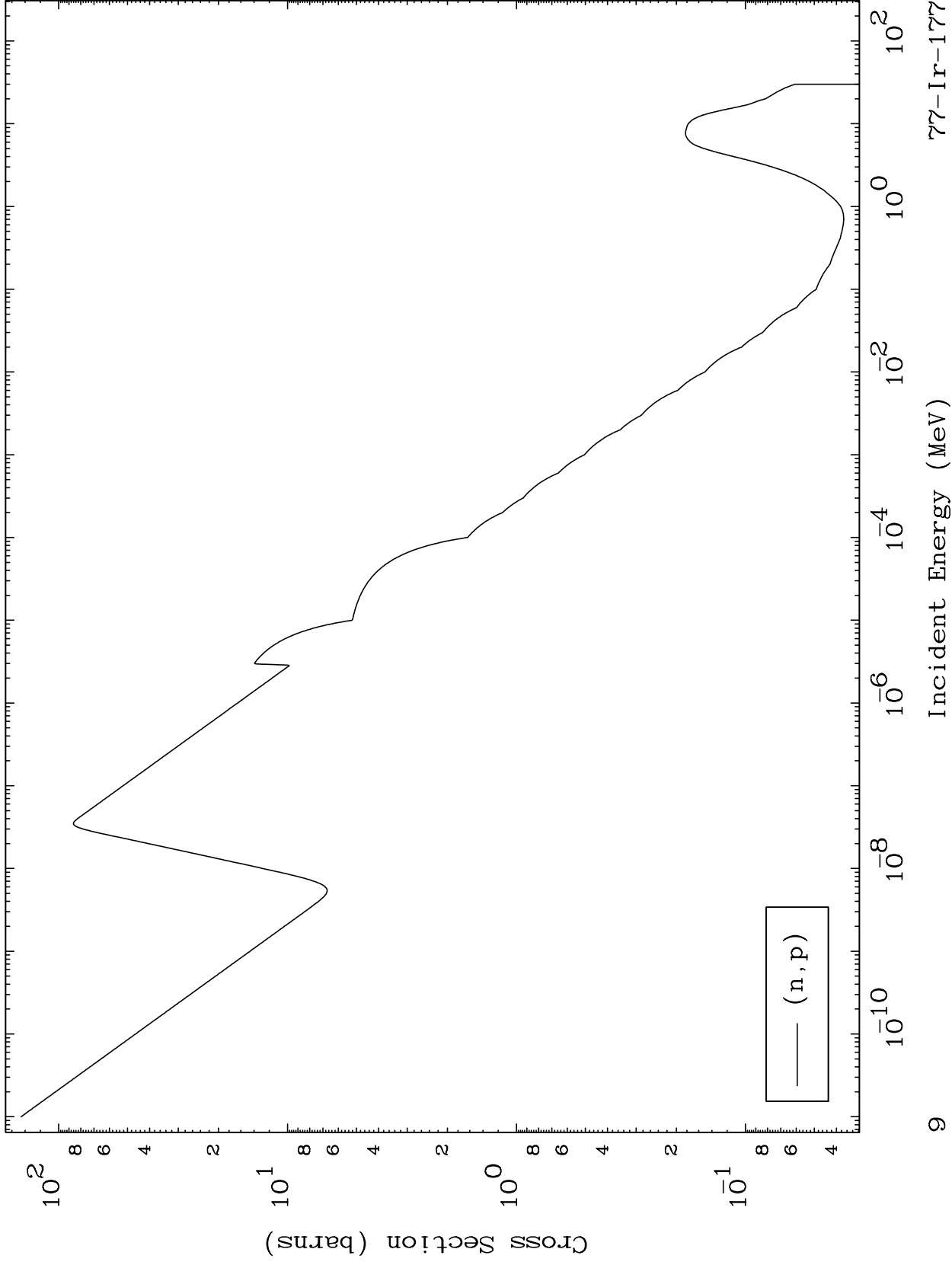
7



MAT 7683

(n,p) Levels
293 Kelvin Cross Sections

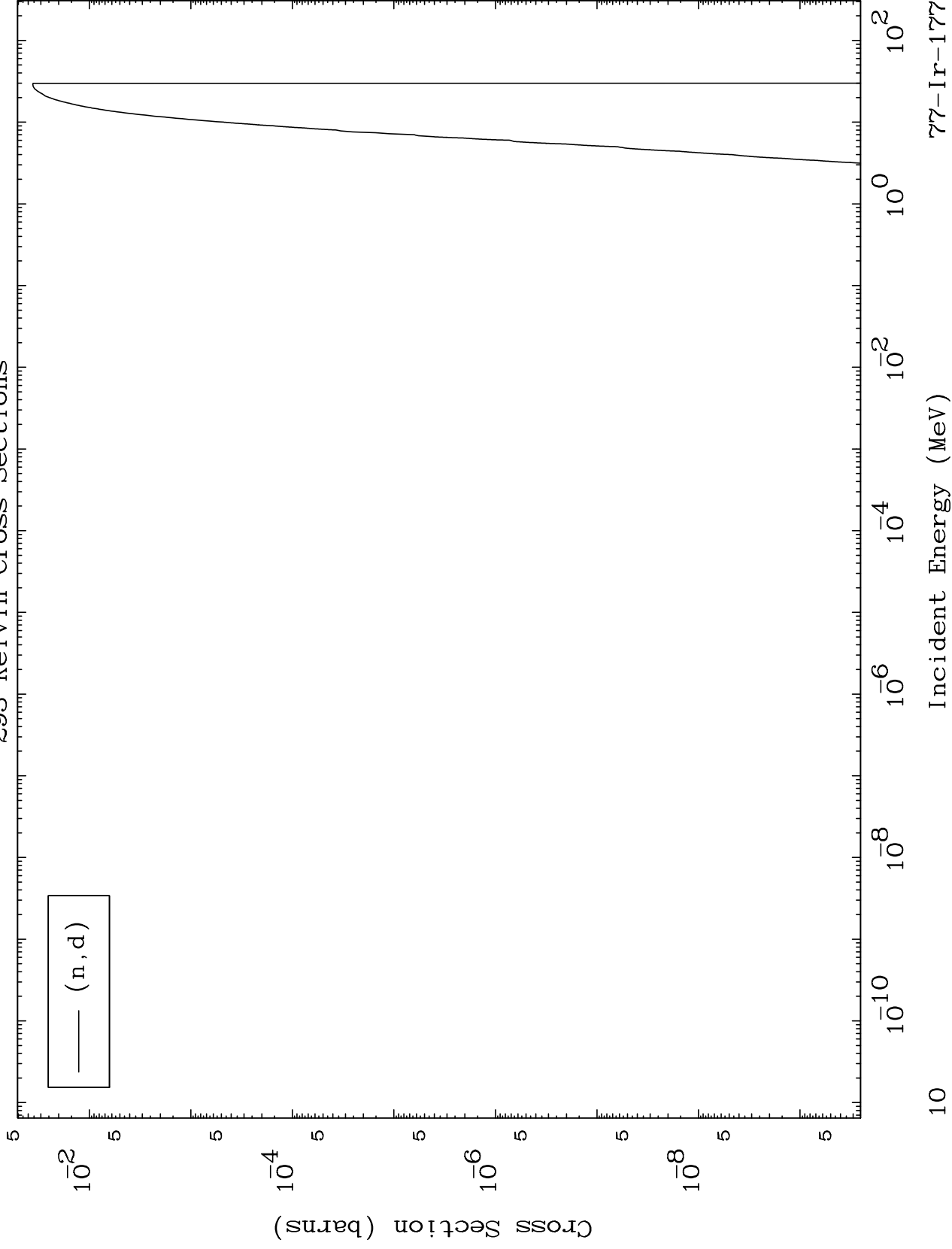
77-Ir-177



MAT 7683

(n,d) Levels
293 Kelvin Cross Sections

⁷⁷Ir-177



10

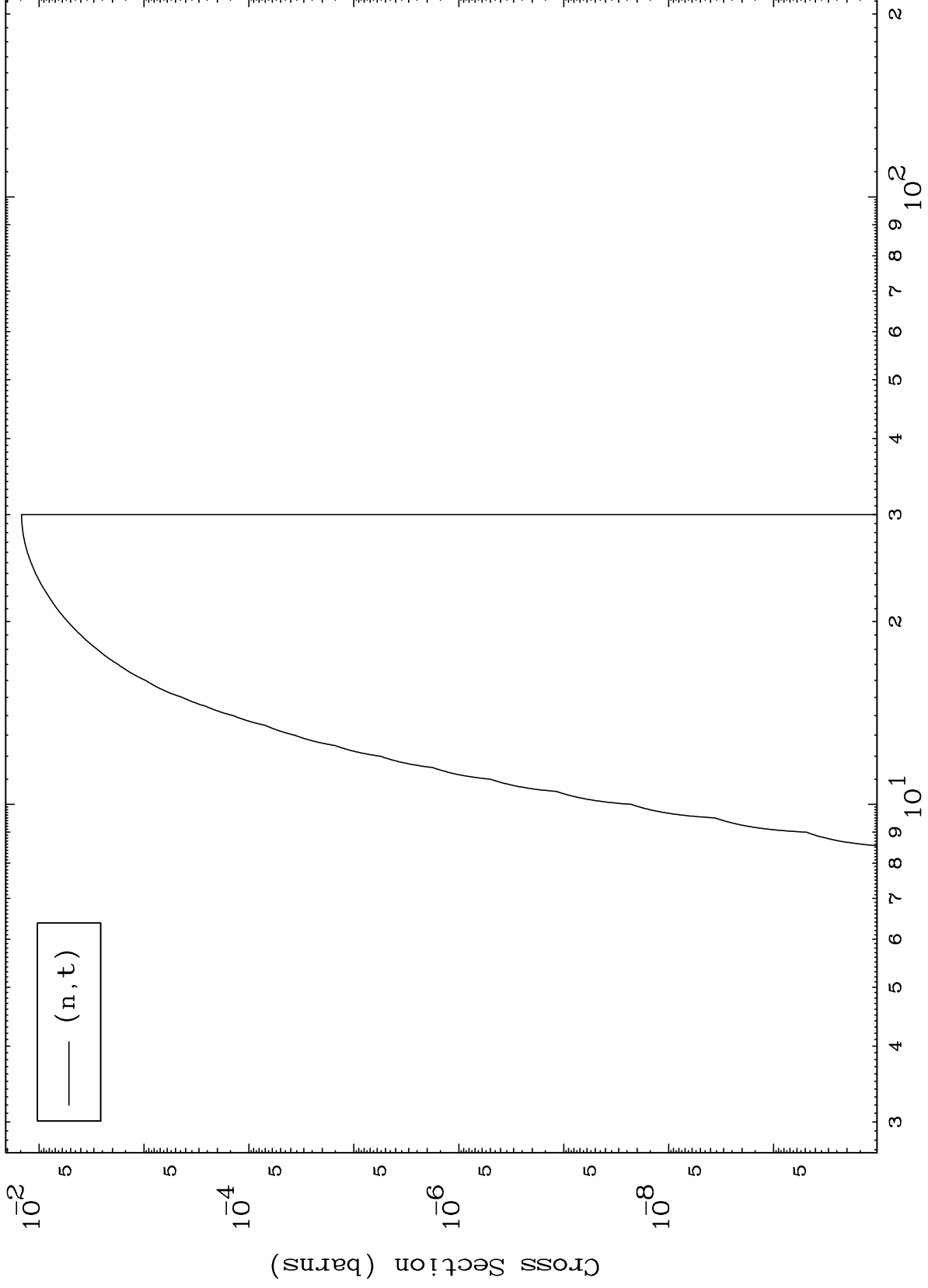
Incident Energy (MeV)

⁷⁷Ir-177

MAT 7683

(n,t) Levels
293 Kelvin Cross Sections

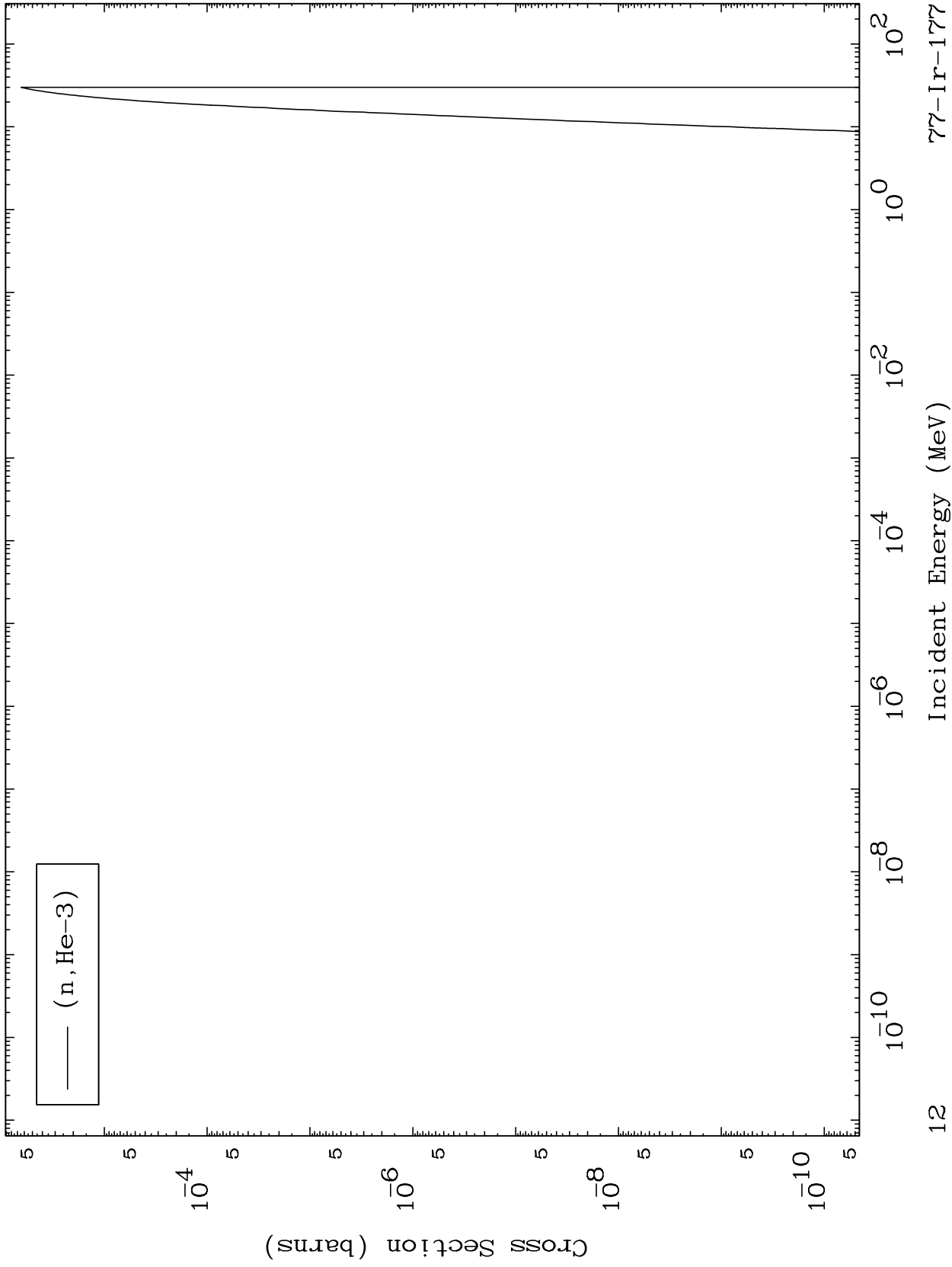
⁷⁷Ir-177



MAT 7683

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-177



12

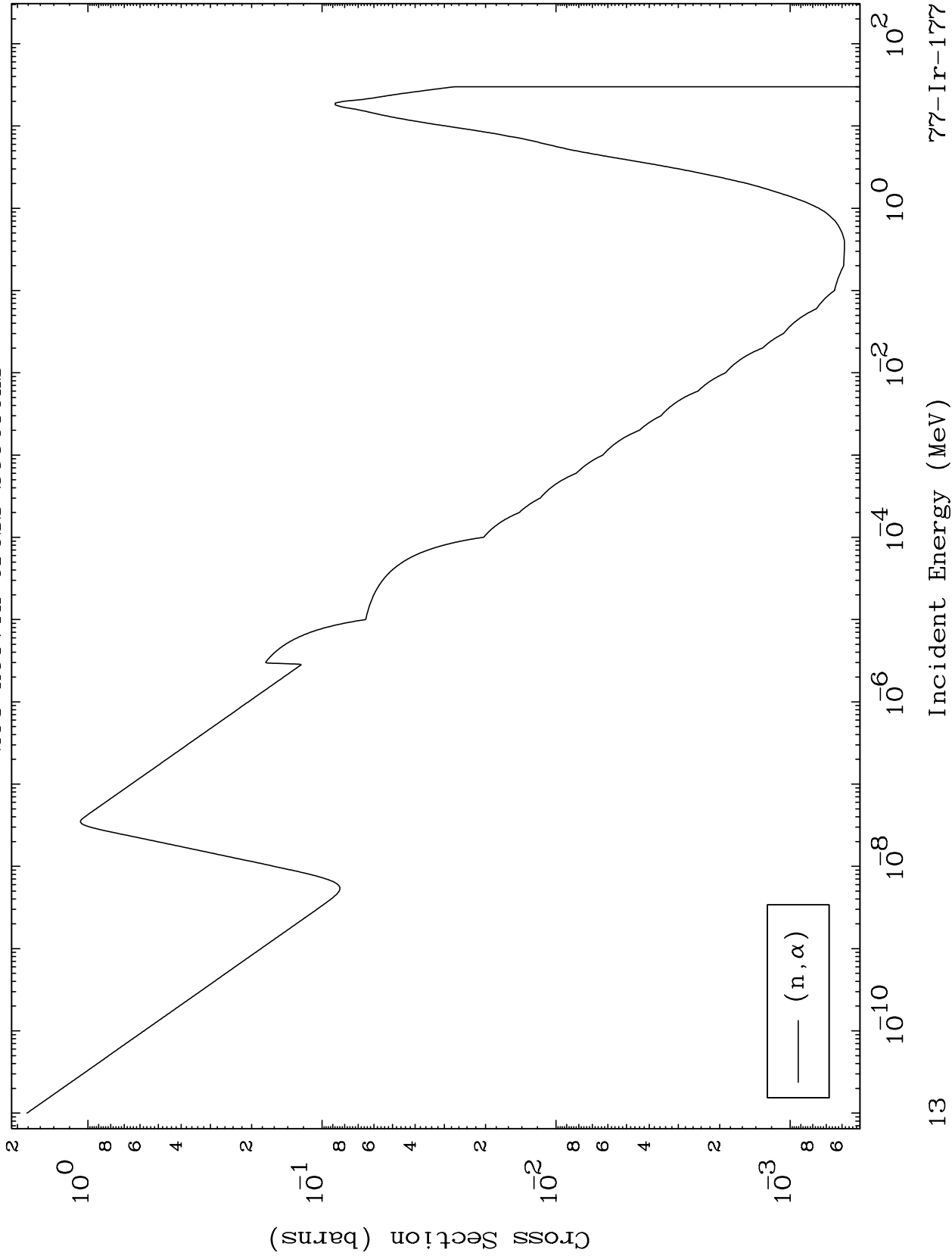
Incident Energy (MeV)

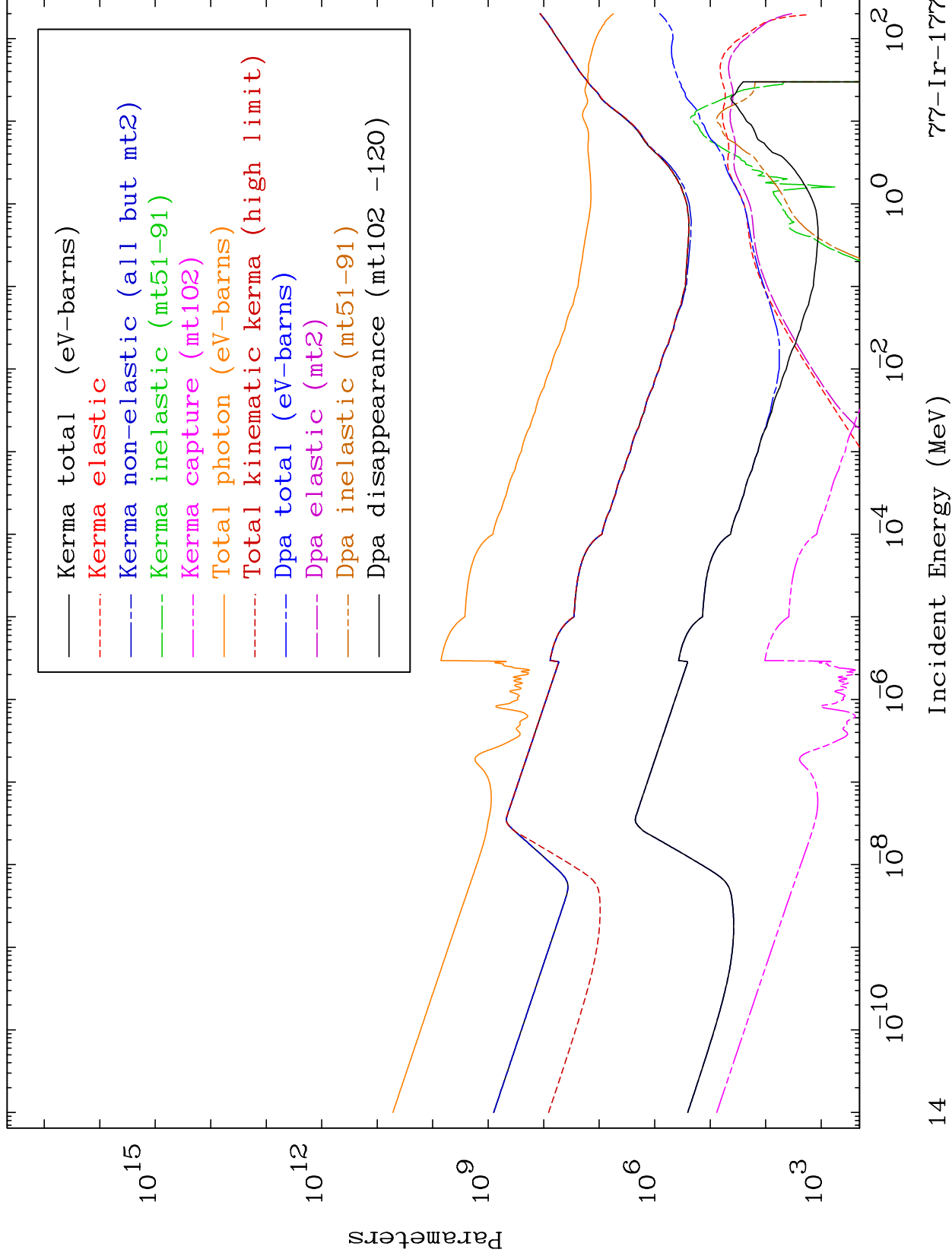
77-Ir-177

MAT 7683

(n,α) Levels
293 Kelvin Cross Sections

77-Ir-177

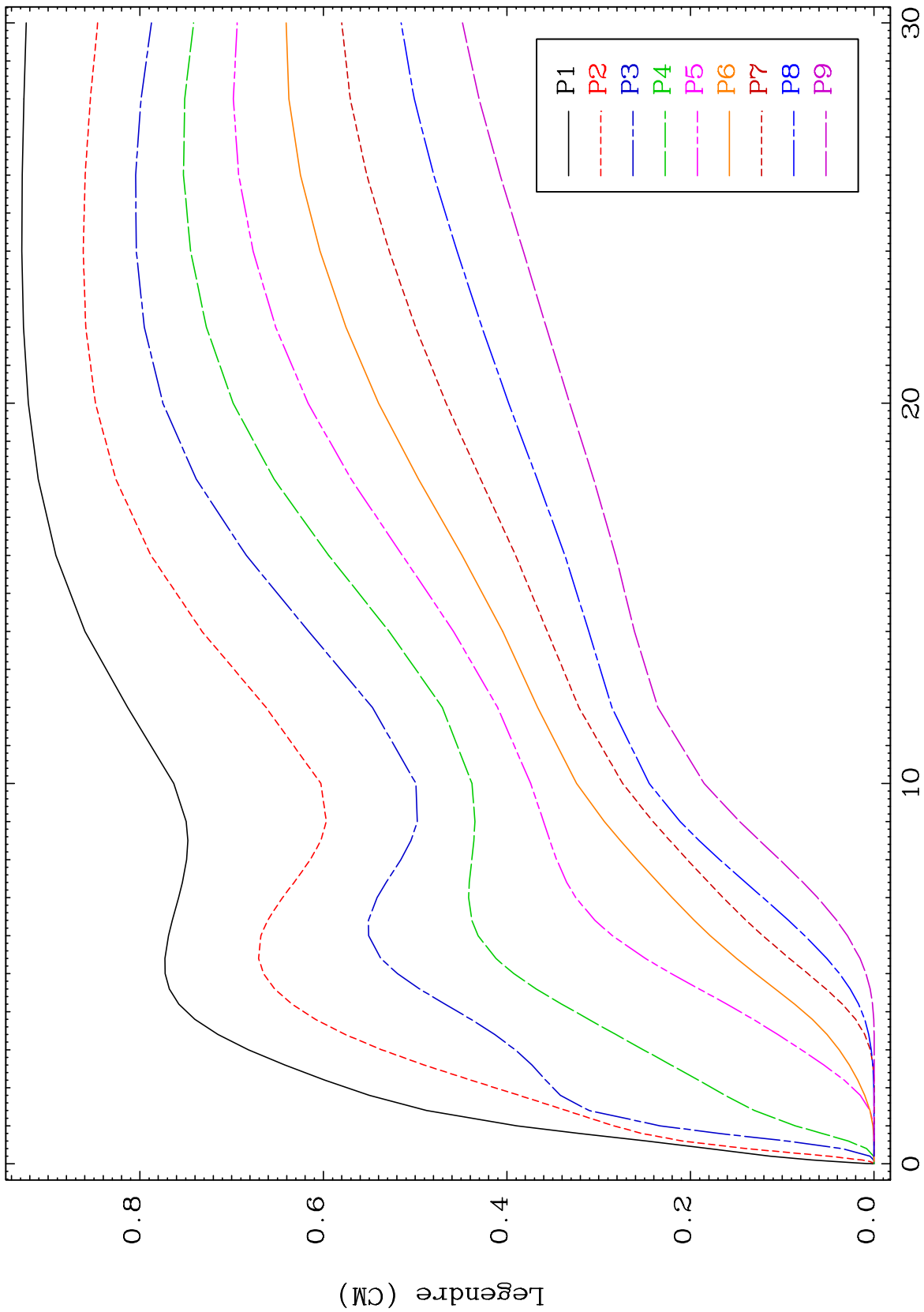




MAT 7683

Elastic Legendre Coefficients

⁷⁷Ir-177



⁷⁷Ir-177

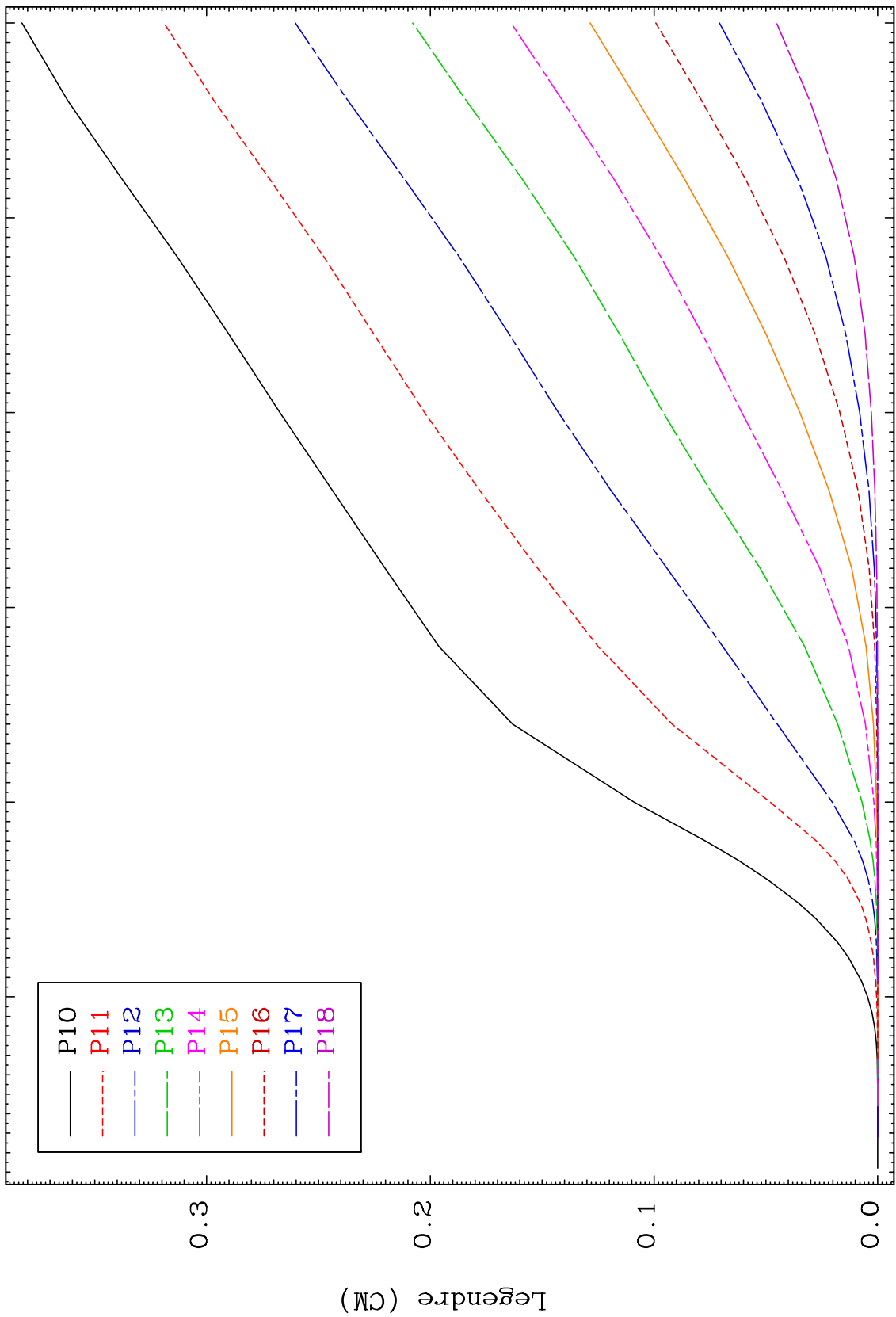
Incident Energy (MeV)

15

MAT 7683

Elastic Legendre Coefficients

⁷⁷Ir-177



16

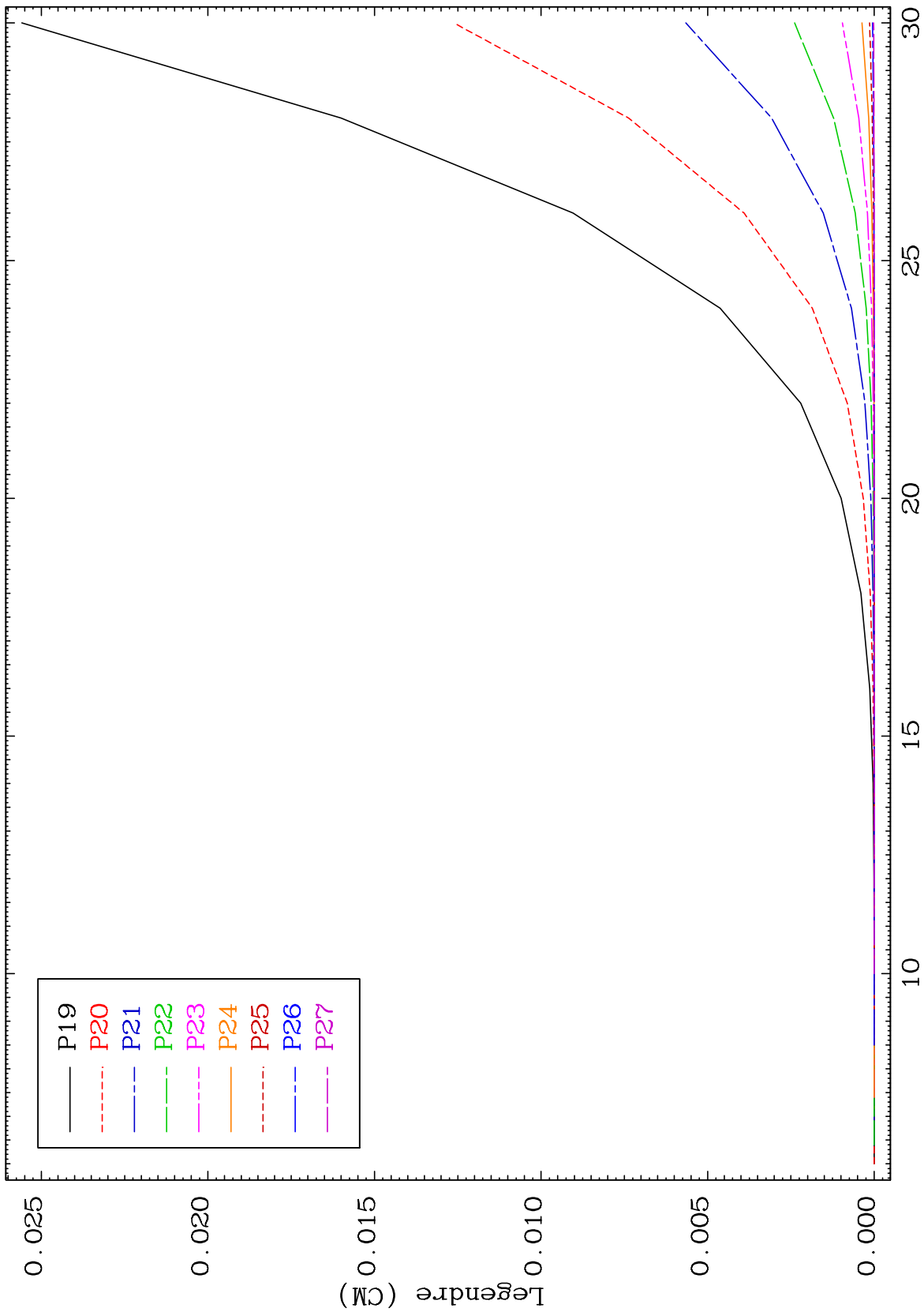
Incident Energy (MeV)

⁷⁷Ir-177

MAT 7683

Elastic Legendre Coefficients

⁷⁷Ir-177



17

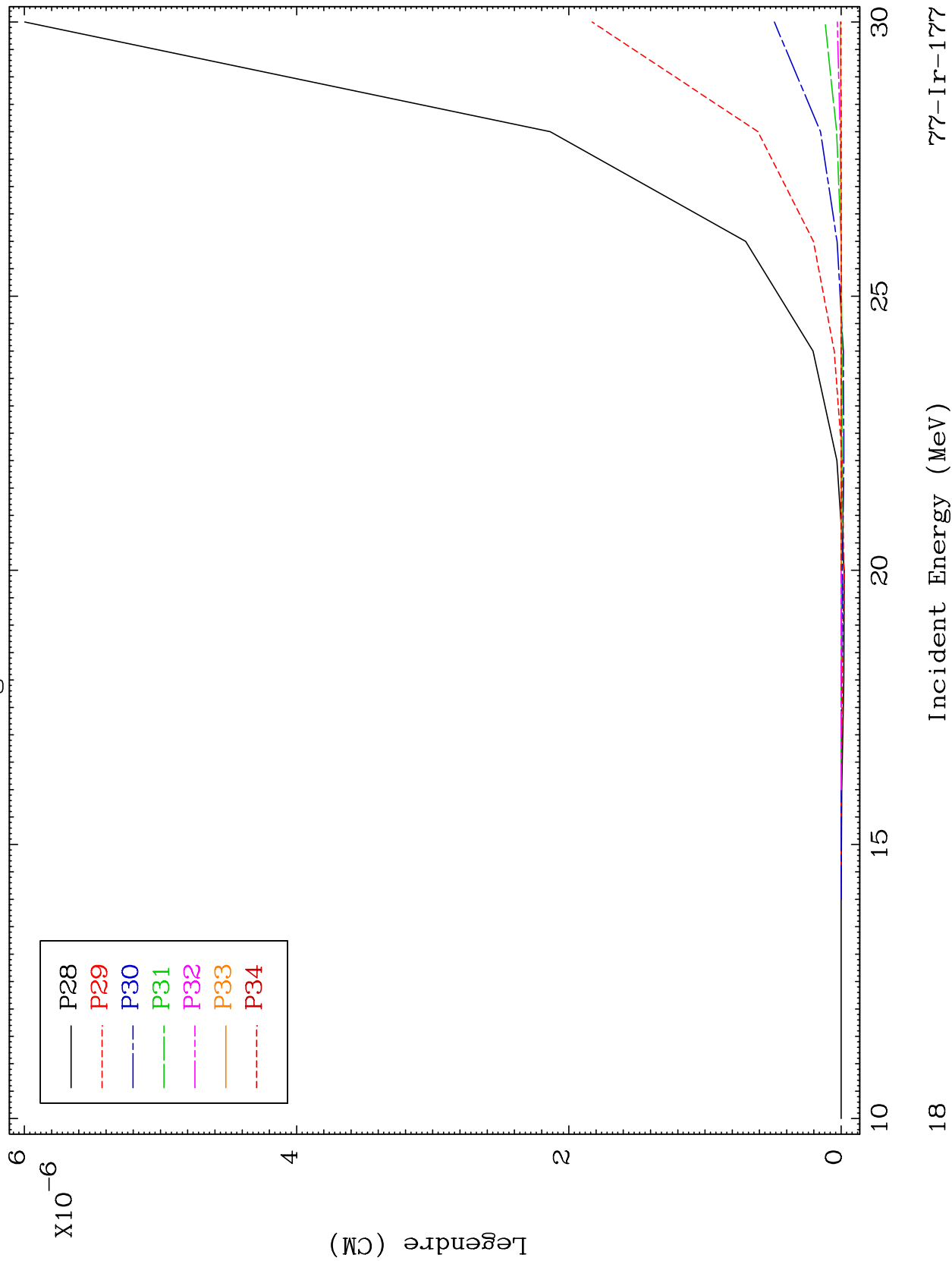
Incident Energy (MeV)

⁷⁷Ir-177

MAT 7683

Elastic
Legendre Coefficients

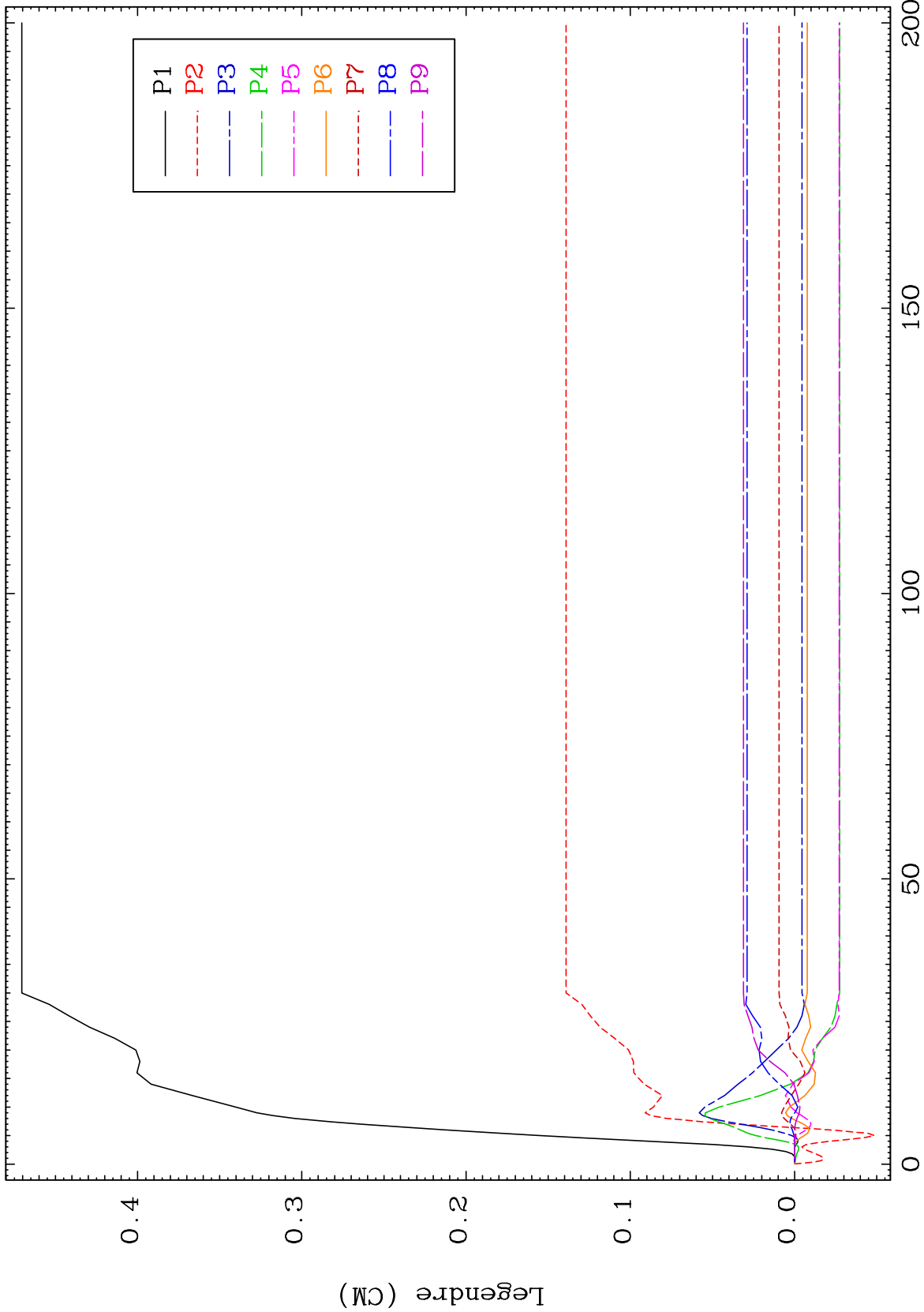
⁷⁷Ir-177



18

Incident Energy (MeV)

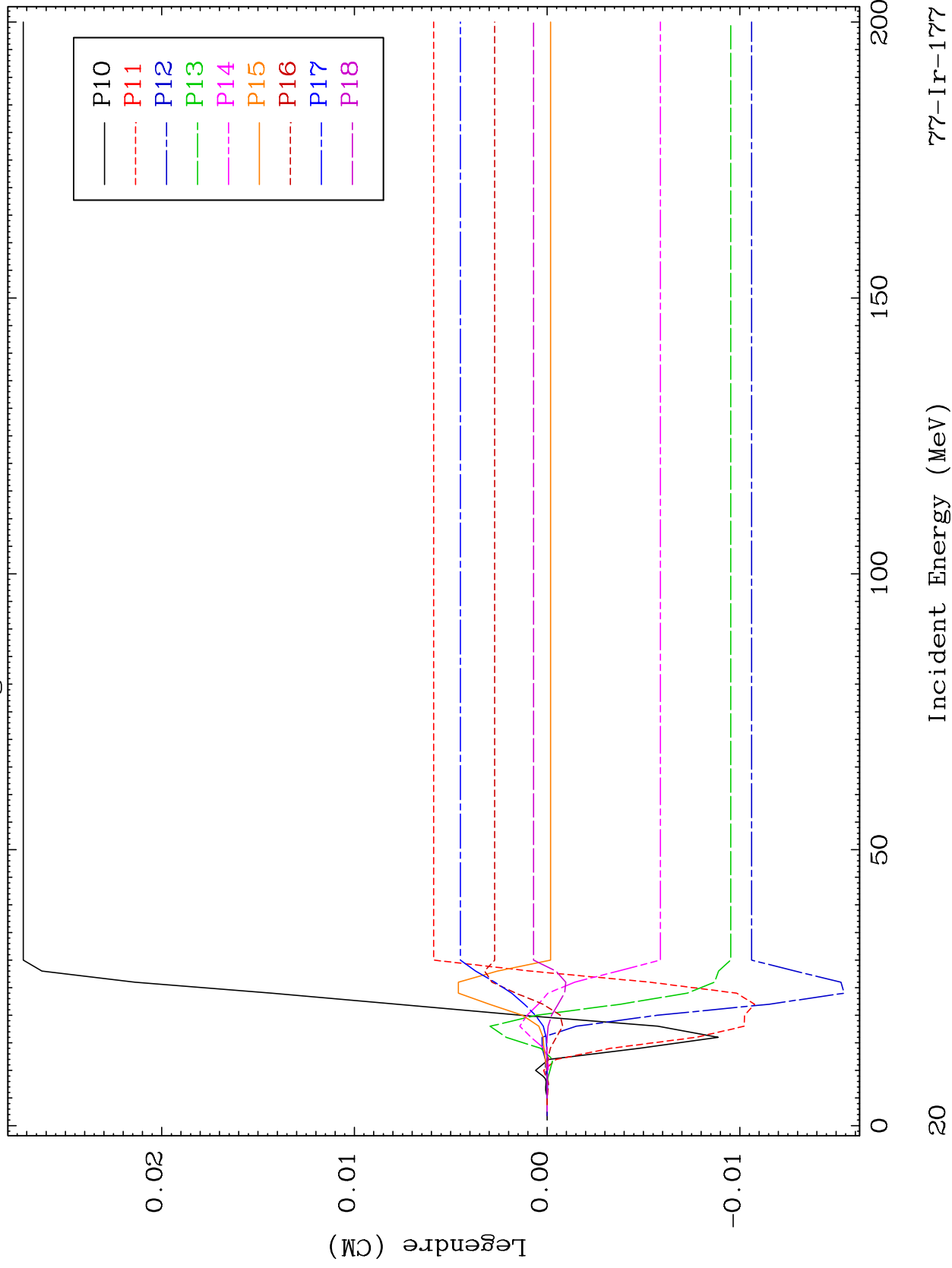
⁷⁷Ir-177



MAT 7683

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

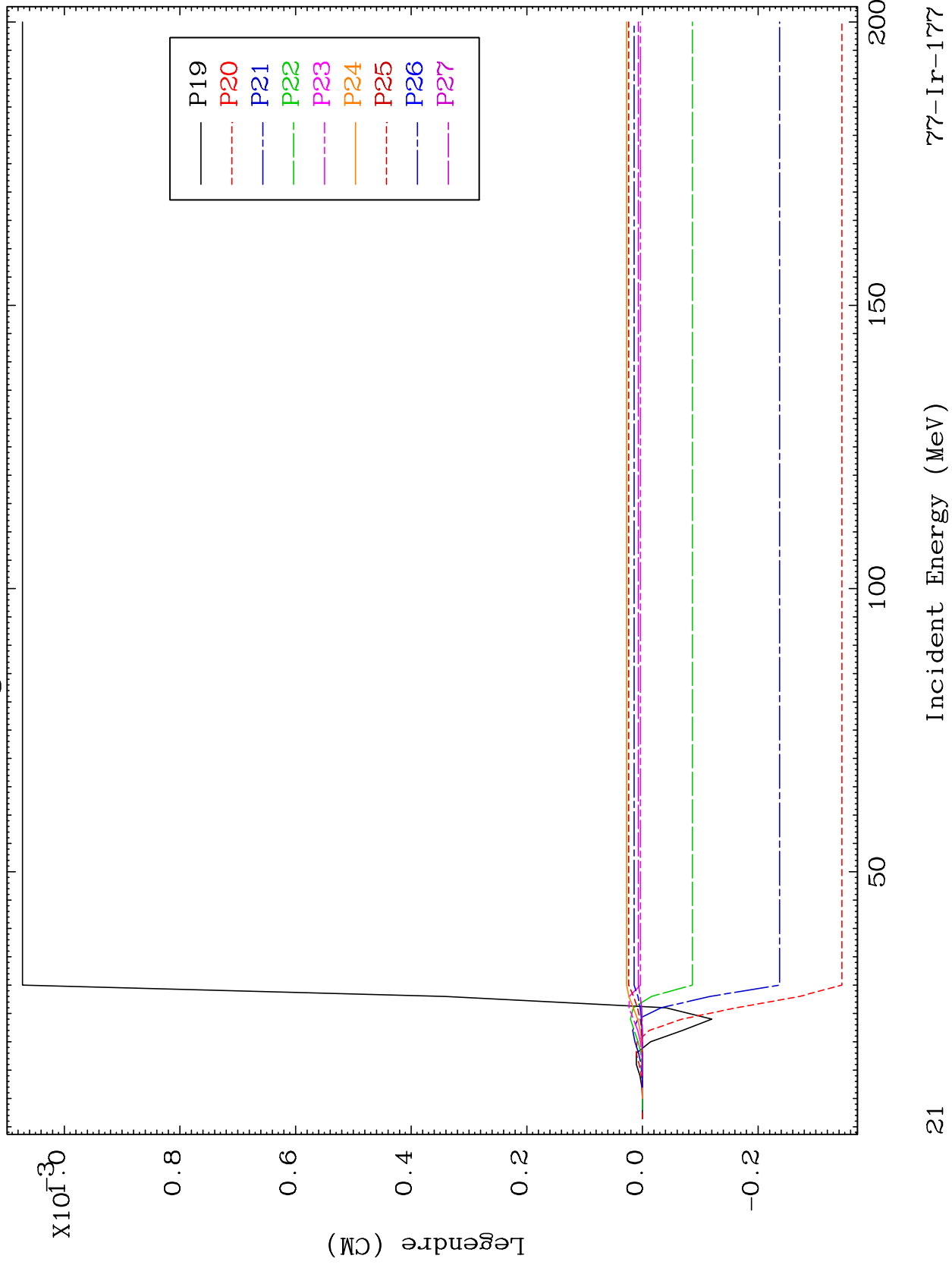
77-Ir-177



77-Ir-177

Incident Energy (MeV)

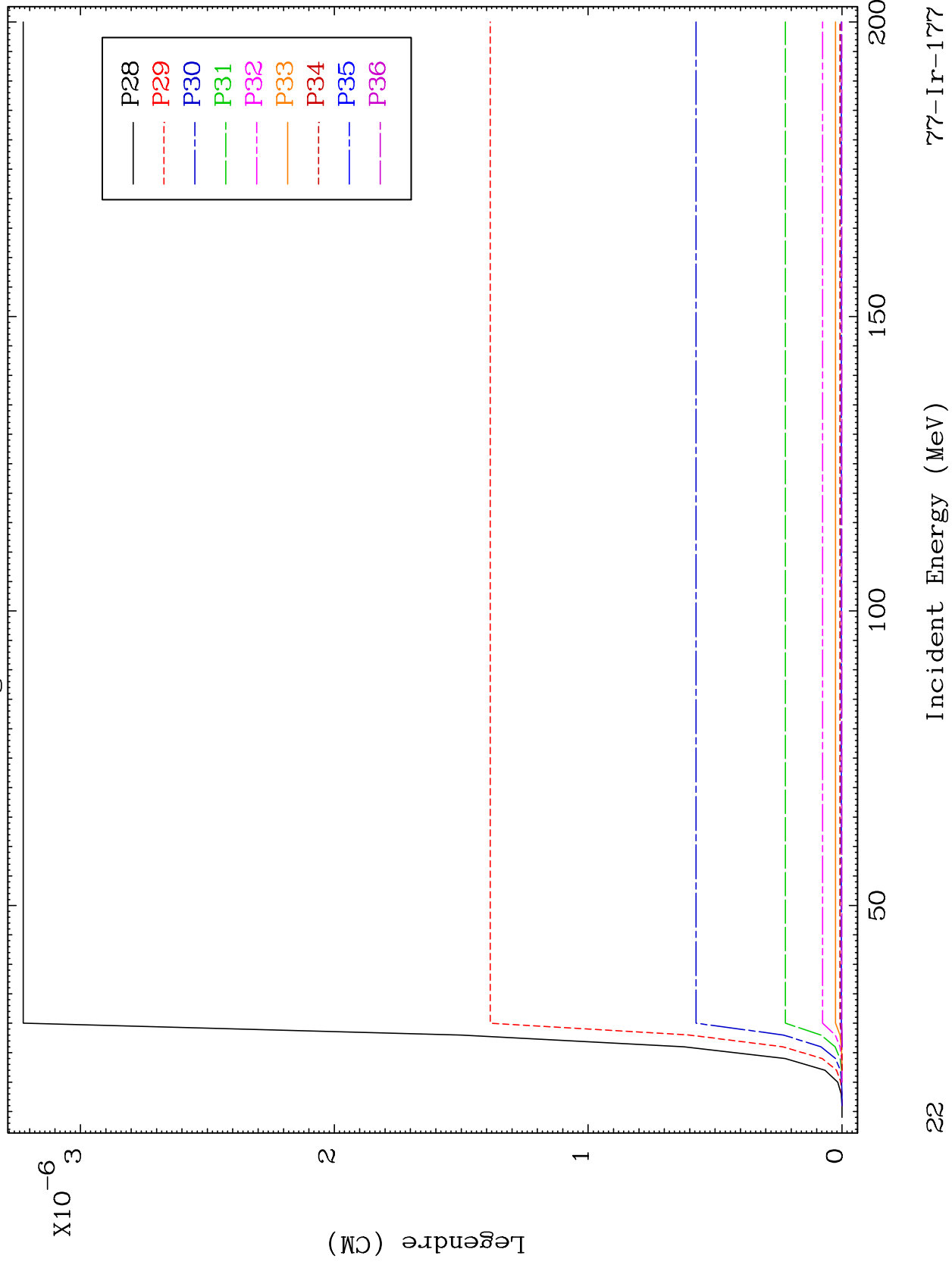
20



MAT 7683

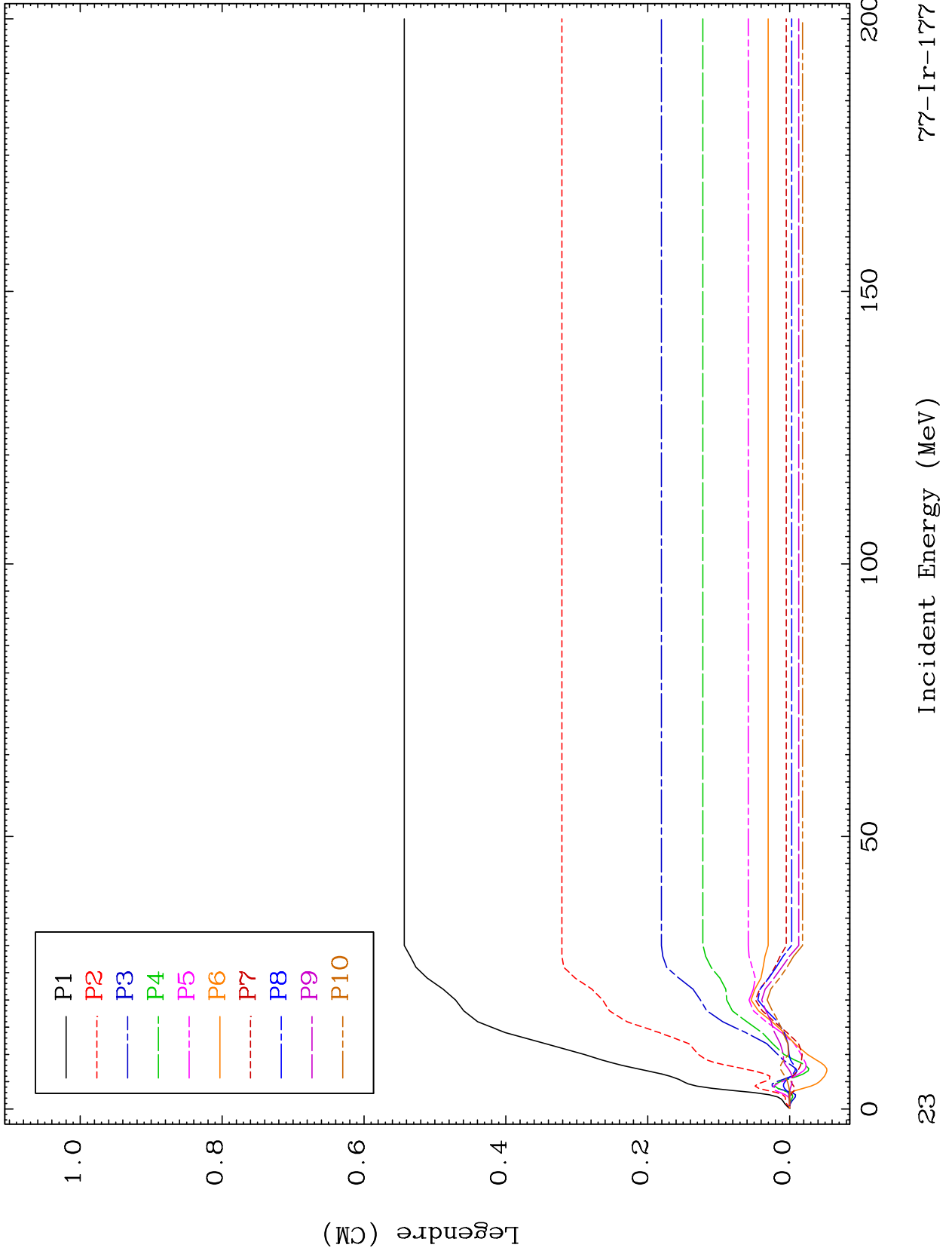
MT= 51 (n,n') Level
Legendre Coefficients

77-Ir-177



22

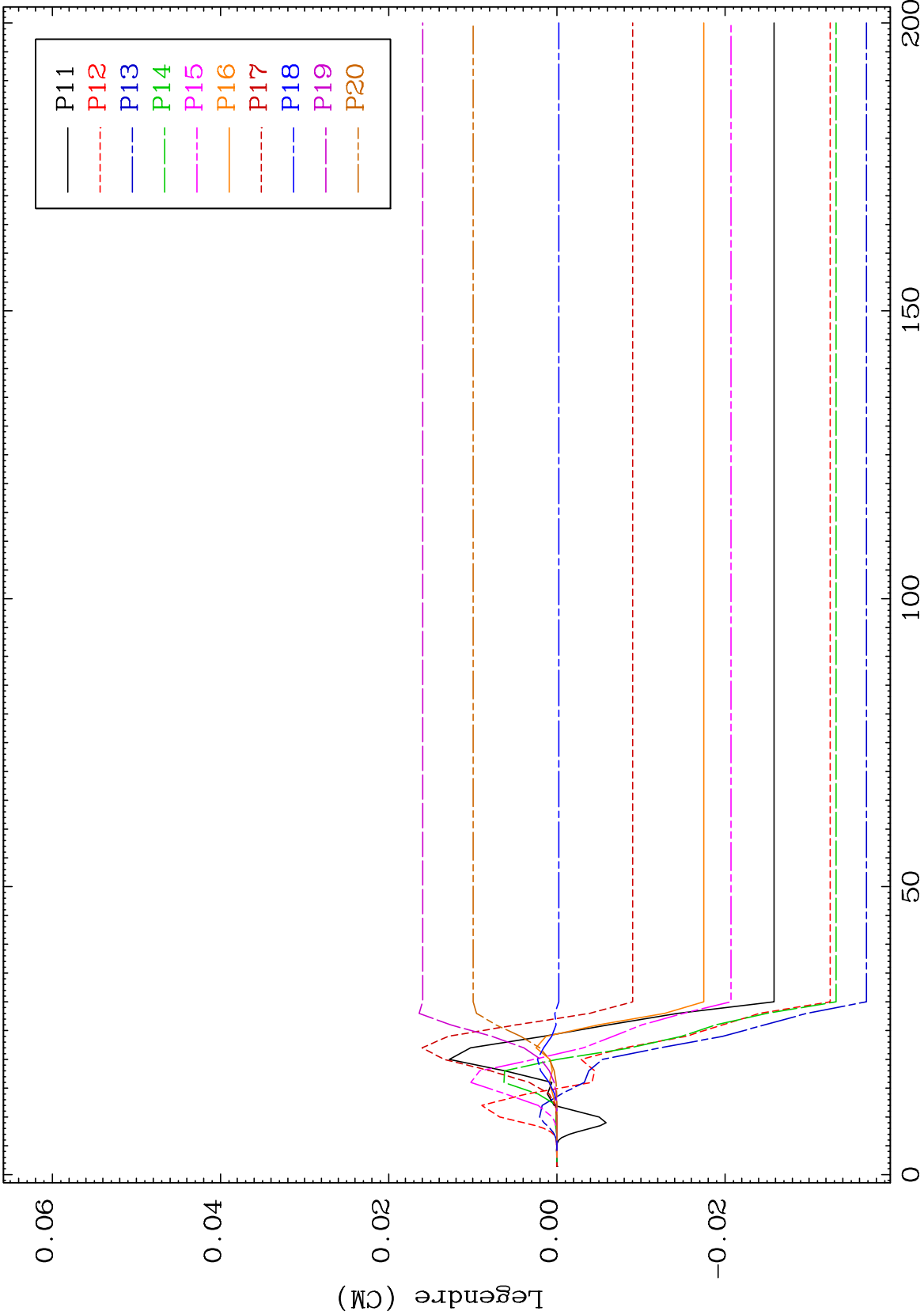
77-Ir-177



MAT 7683

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

77-Ir-177



24

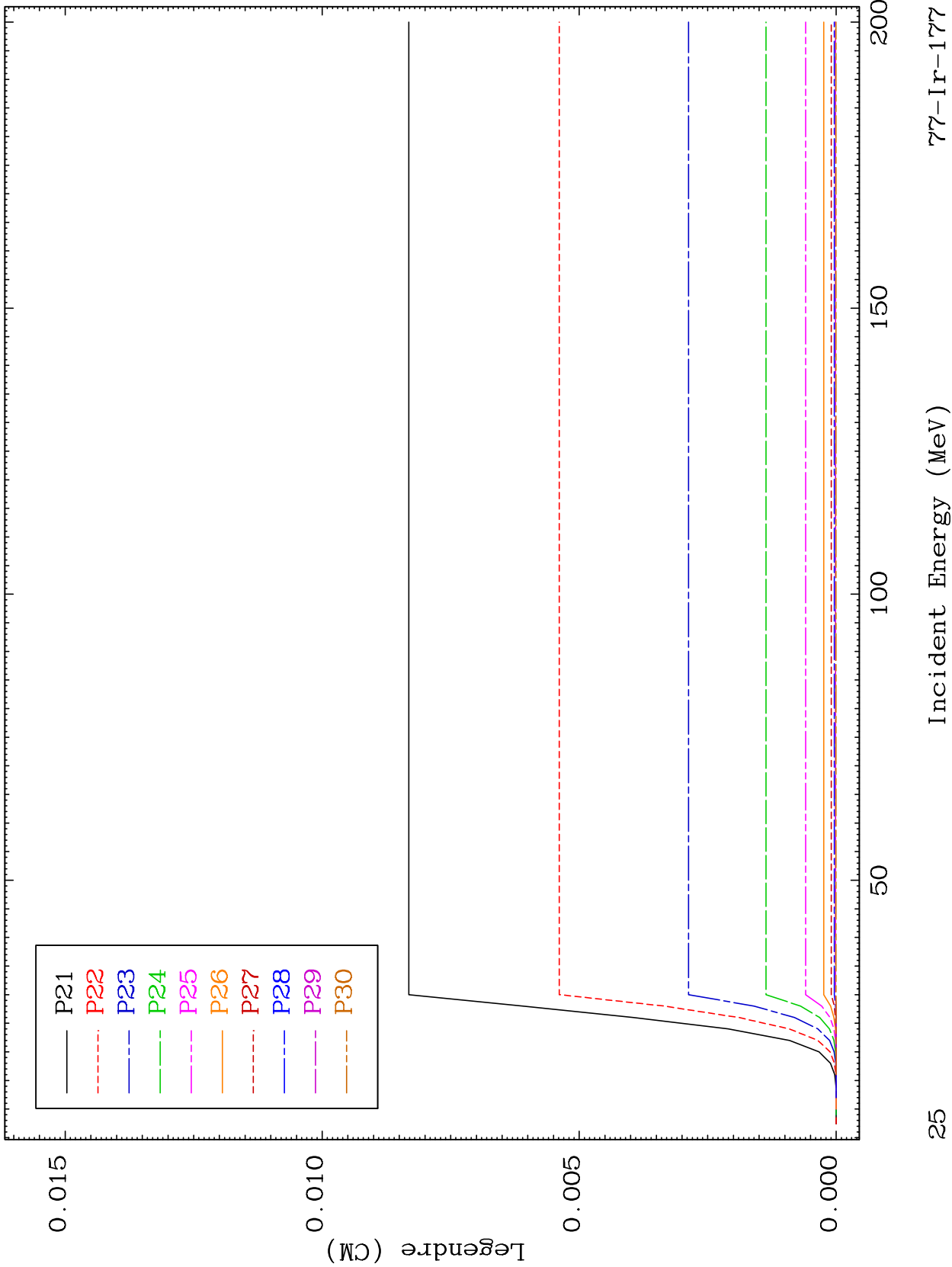
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

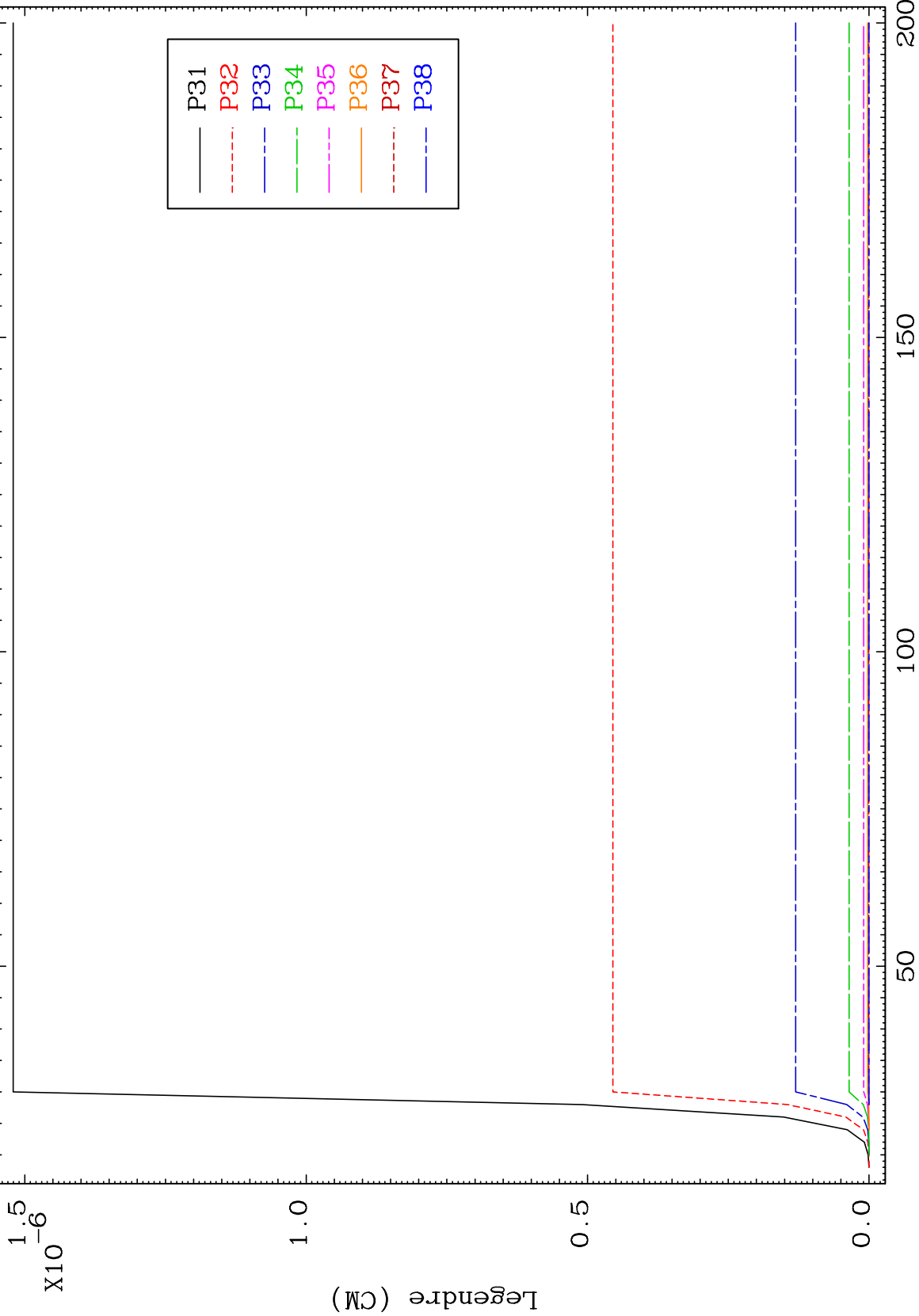
77-Ir-177

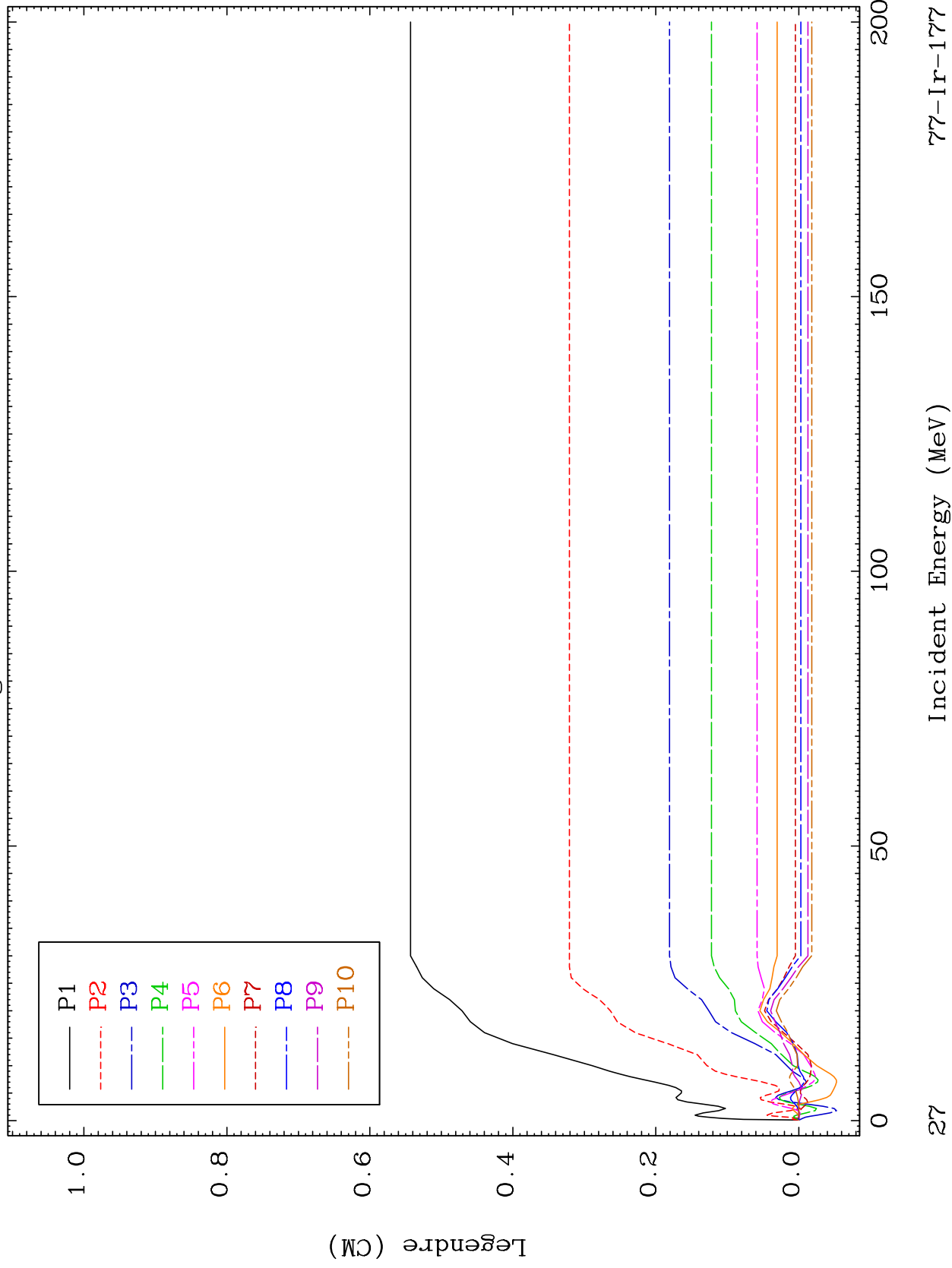


25

Incident Energy (MeV)

77-Ir-177

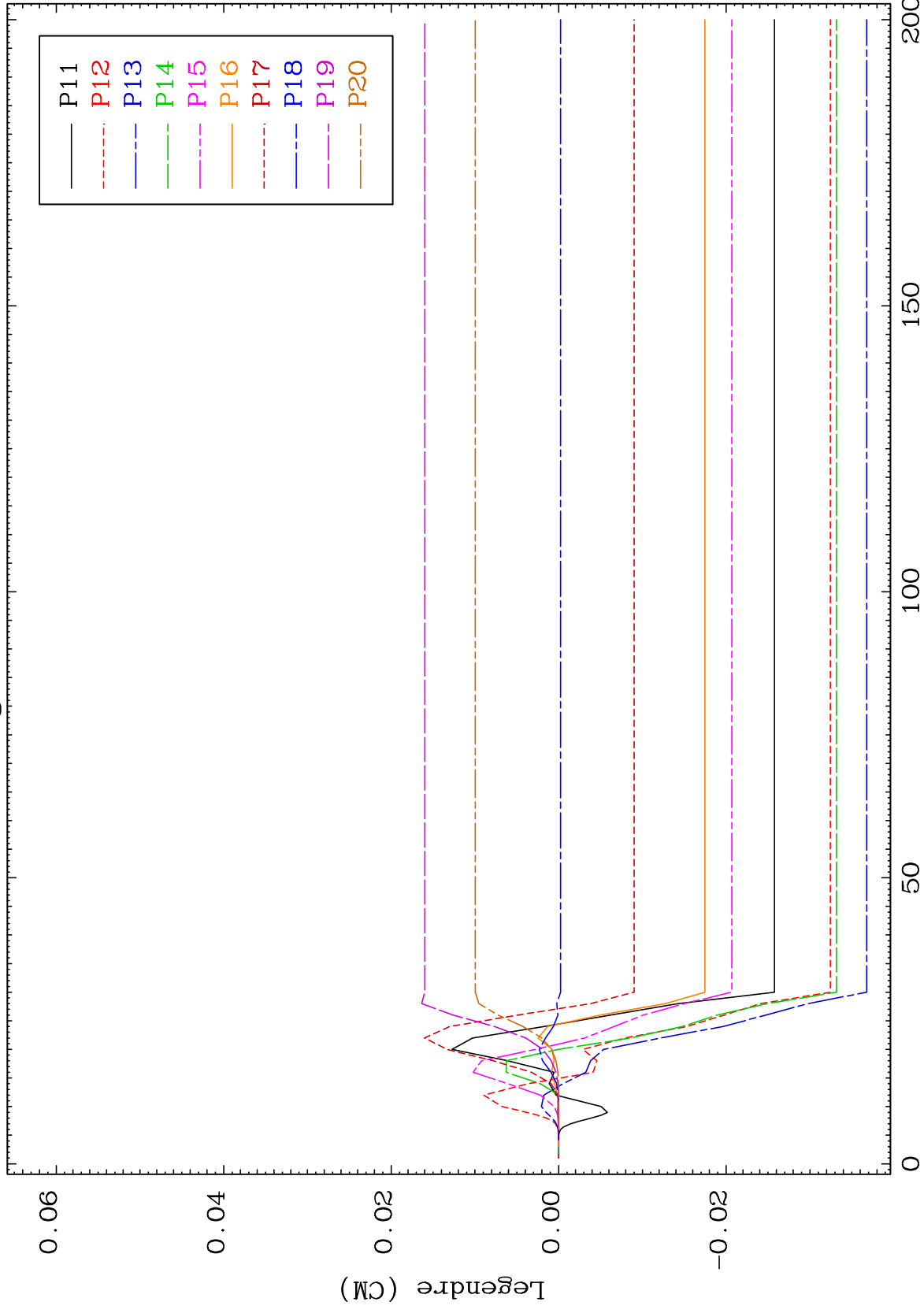




MAT 7683

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

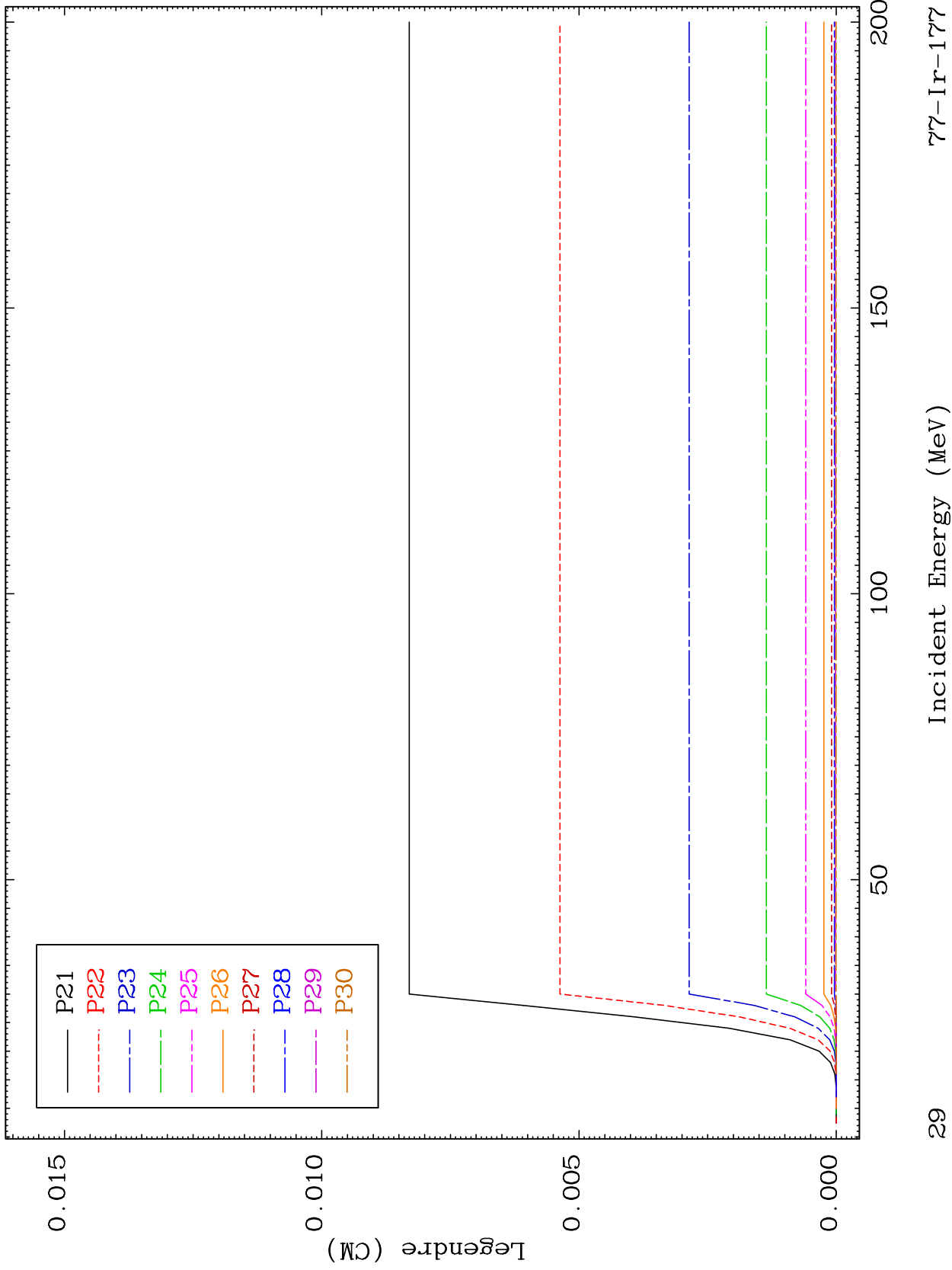
77-Ir-177



28

Incident Energy (MeV)

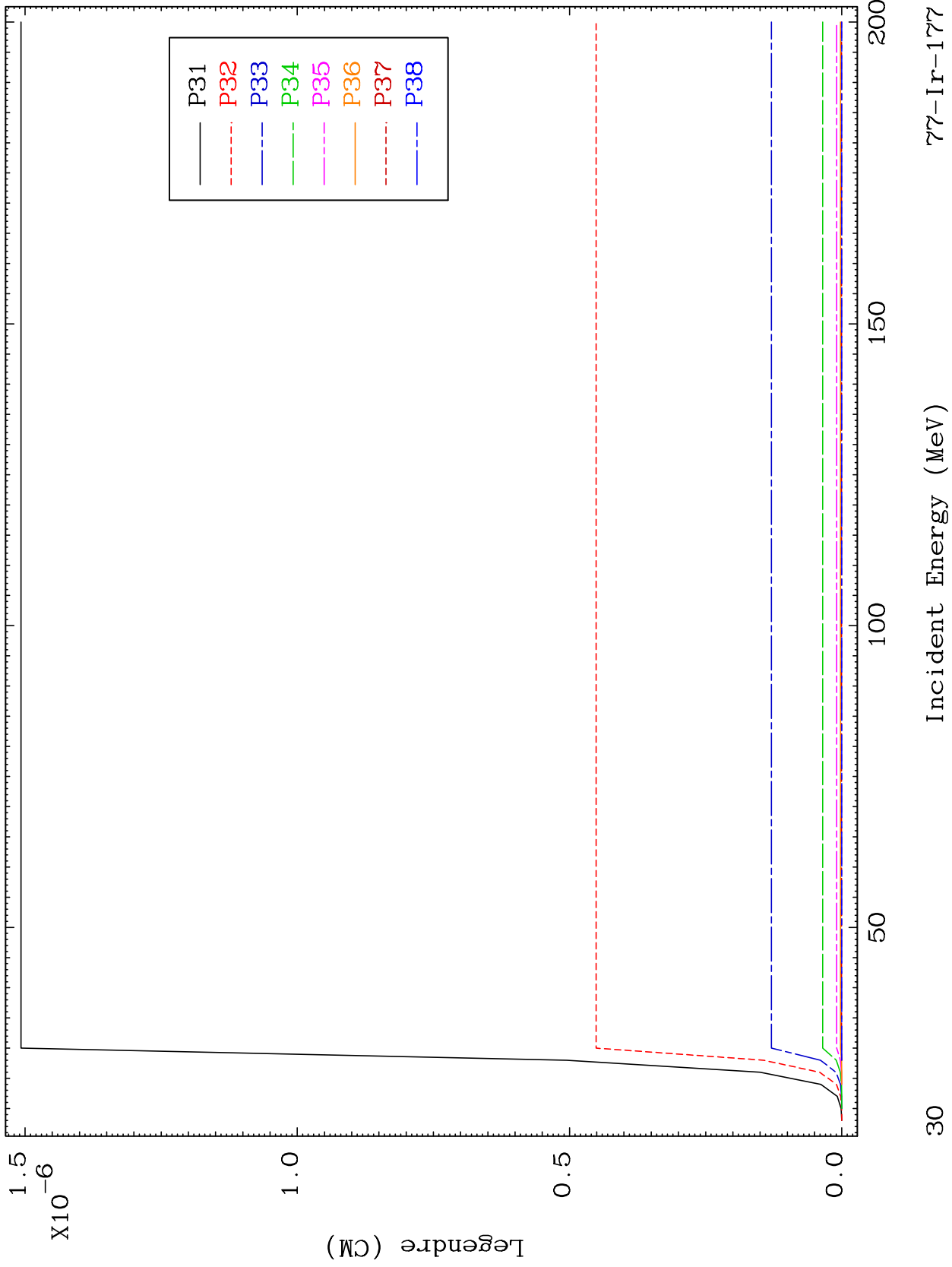
77-Ir-177

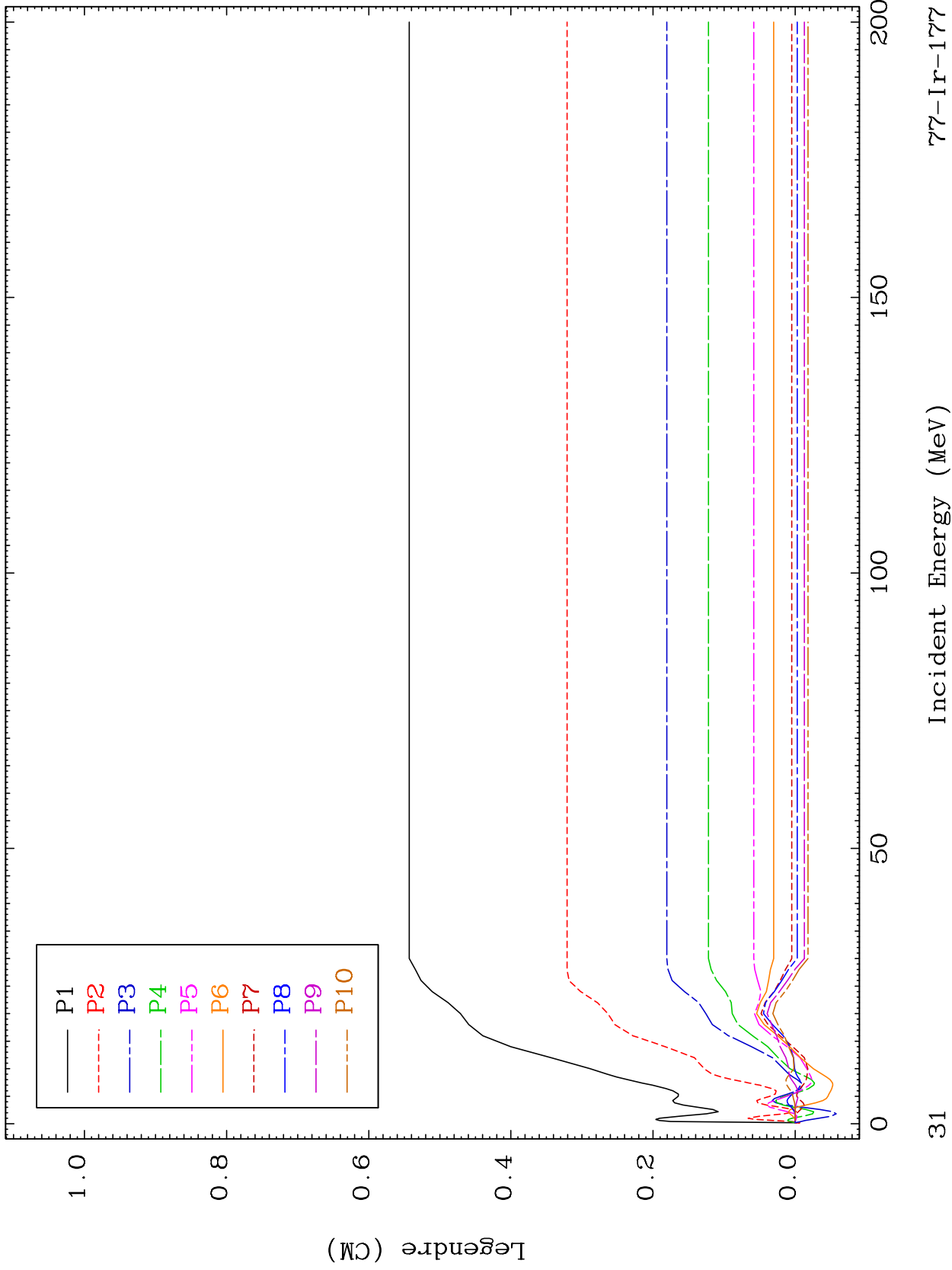


MAT 7683

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

77-Ir-177

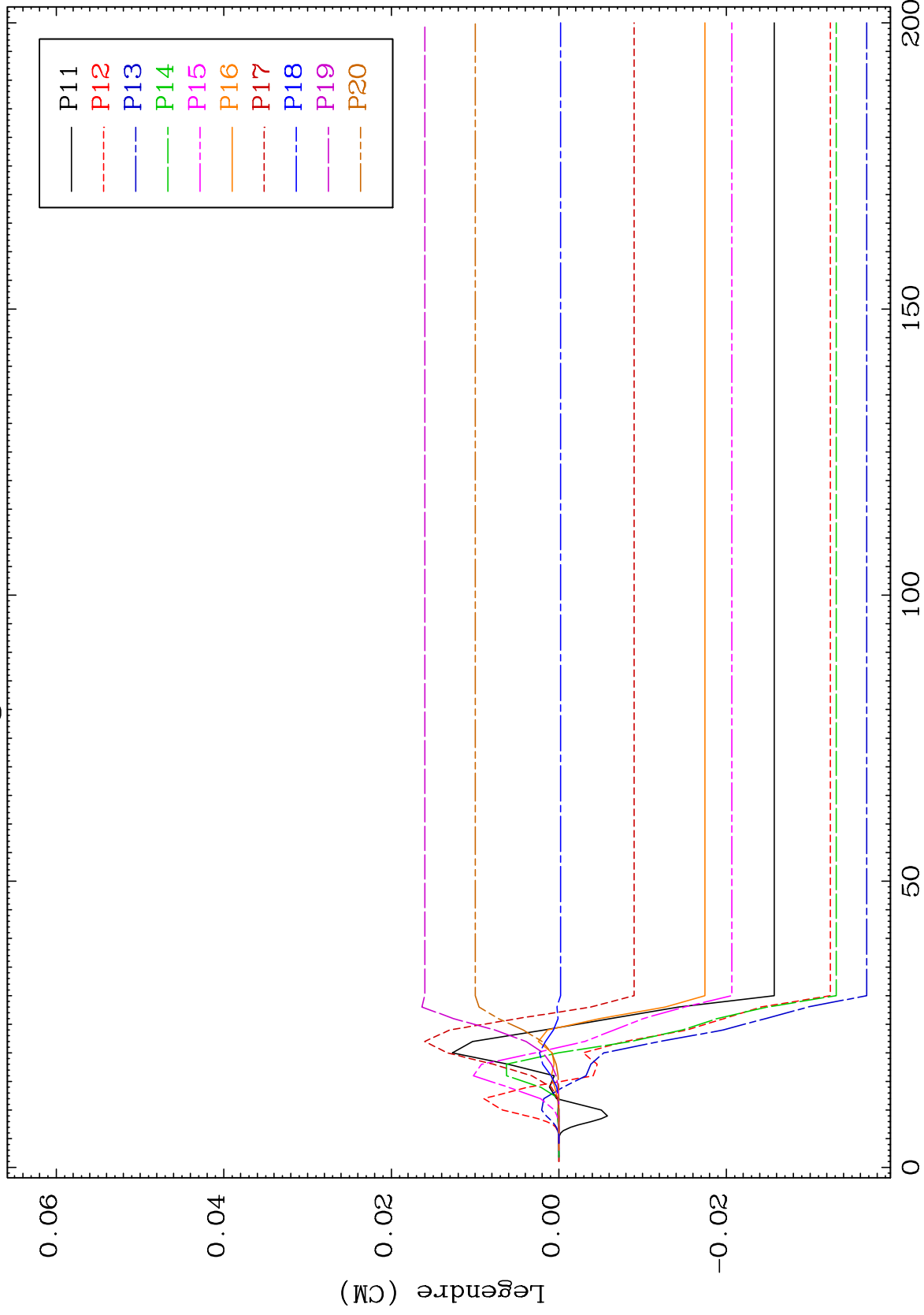




MAT 7683

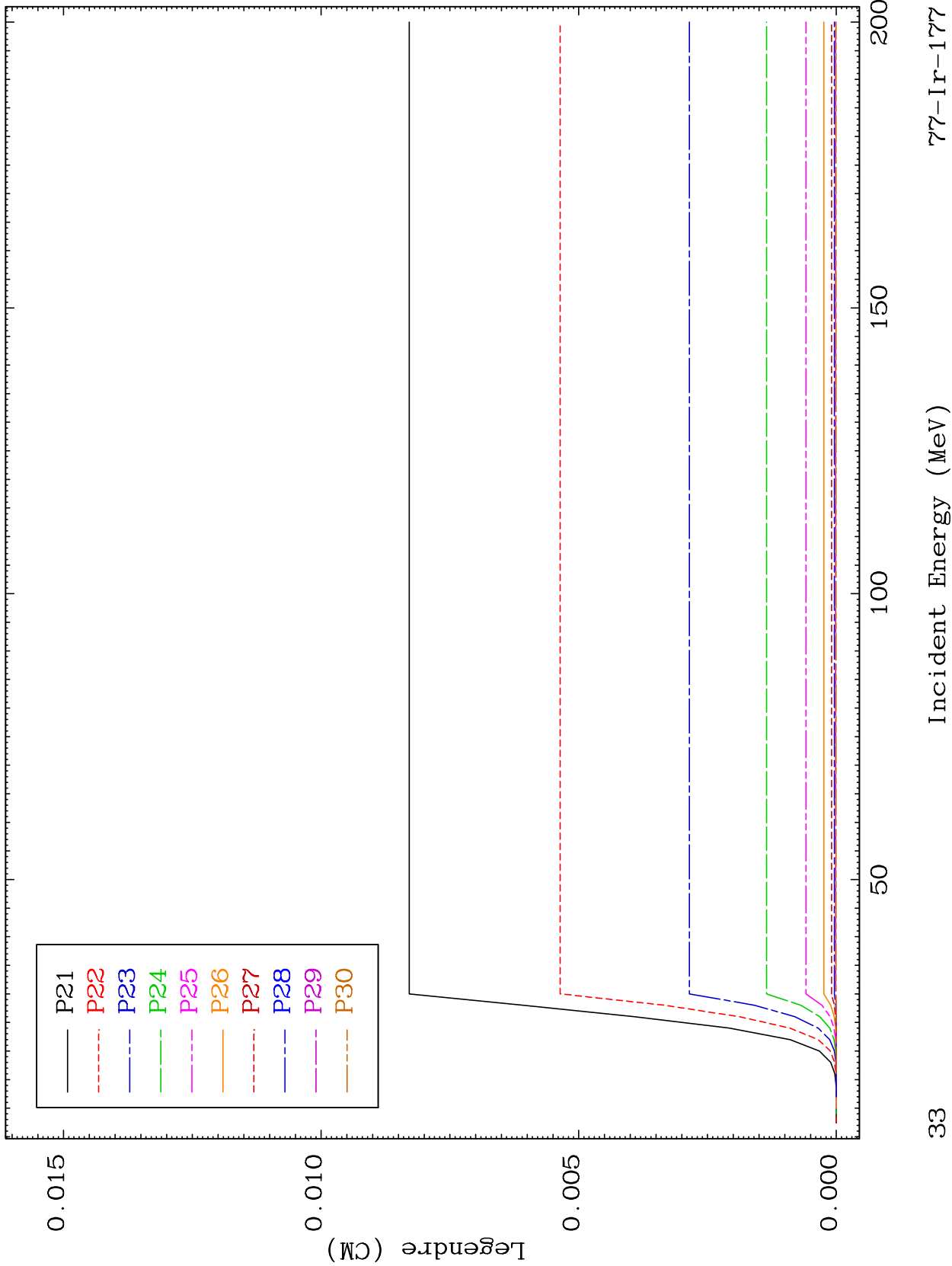
MT= 54 (n,n') Level
Legendre Coefficients

77-Ir-177



32

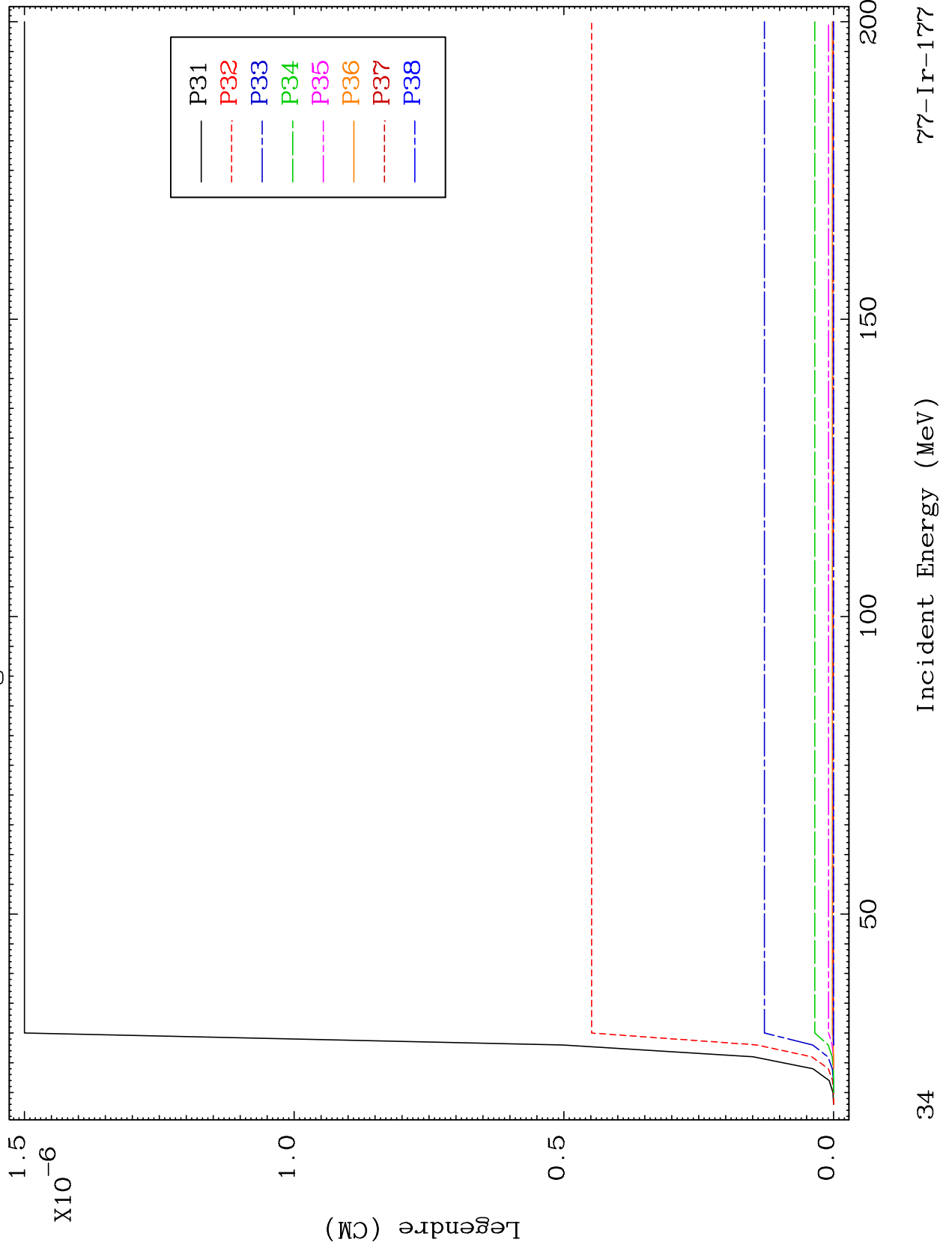
77-Ir-177



MAT 7683

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

77-Ir-177



34

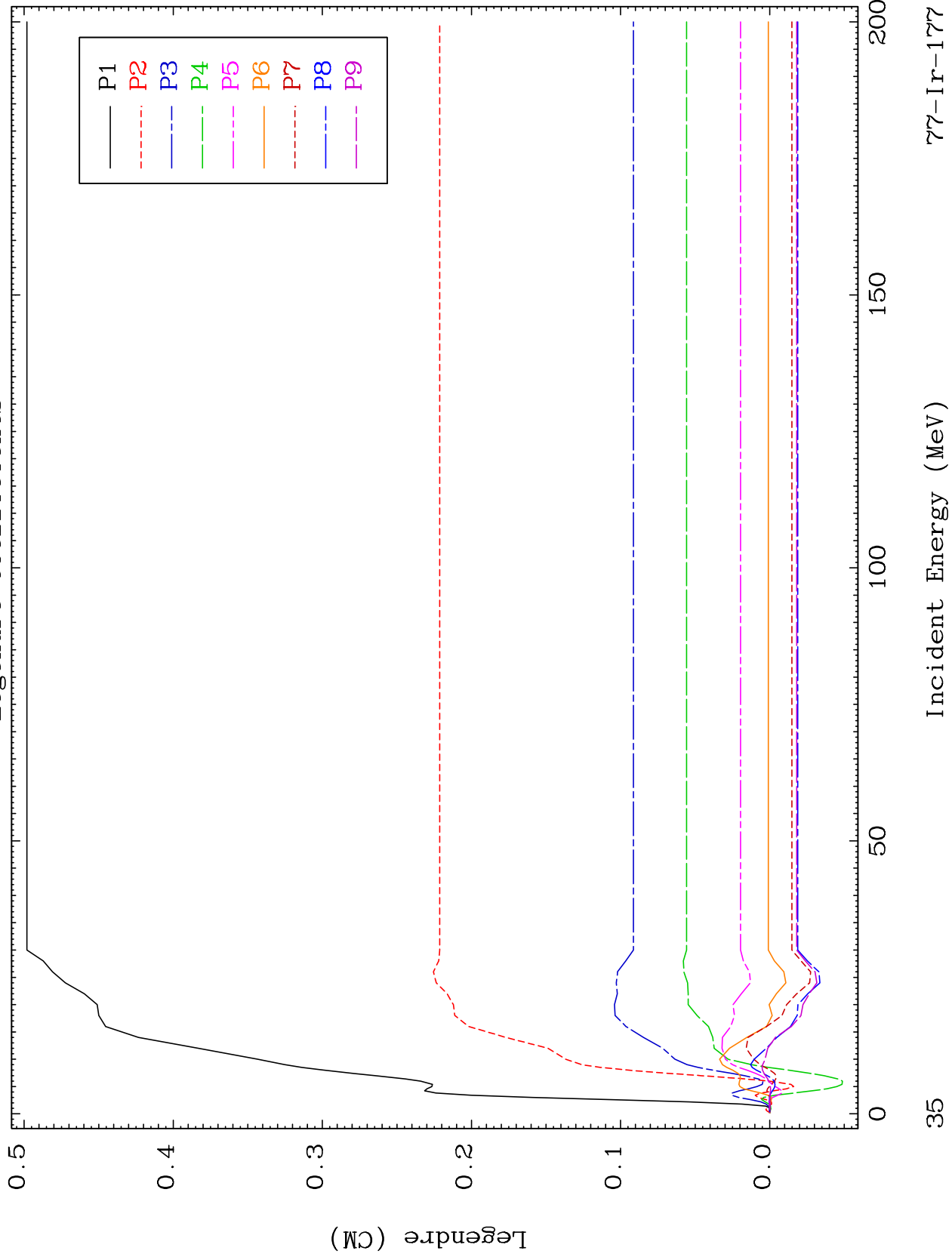
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

⁷⁷Ir-177



⁷⁷Ir-177

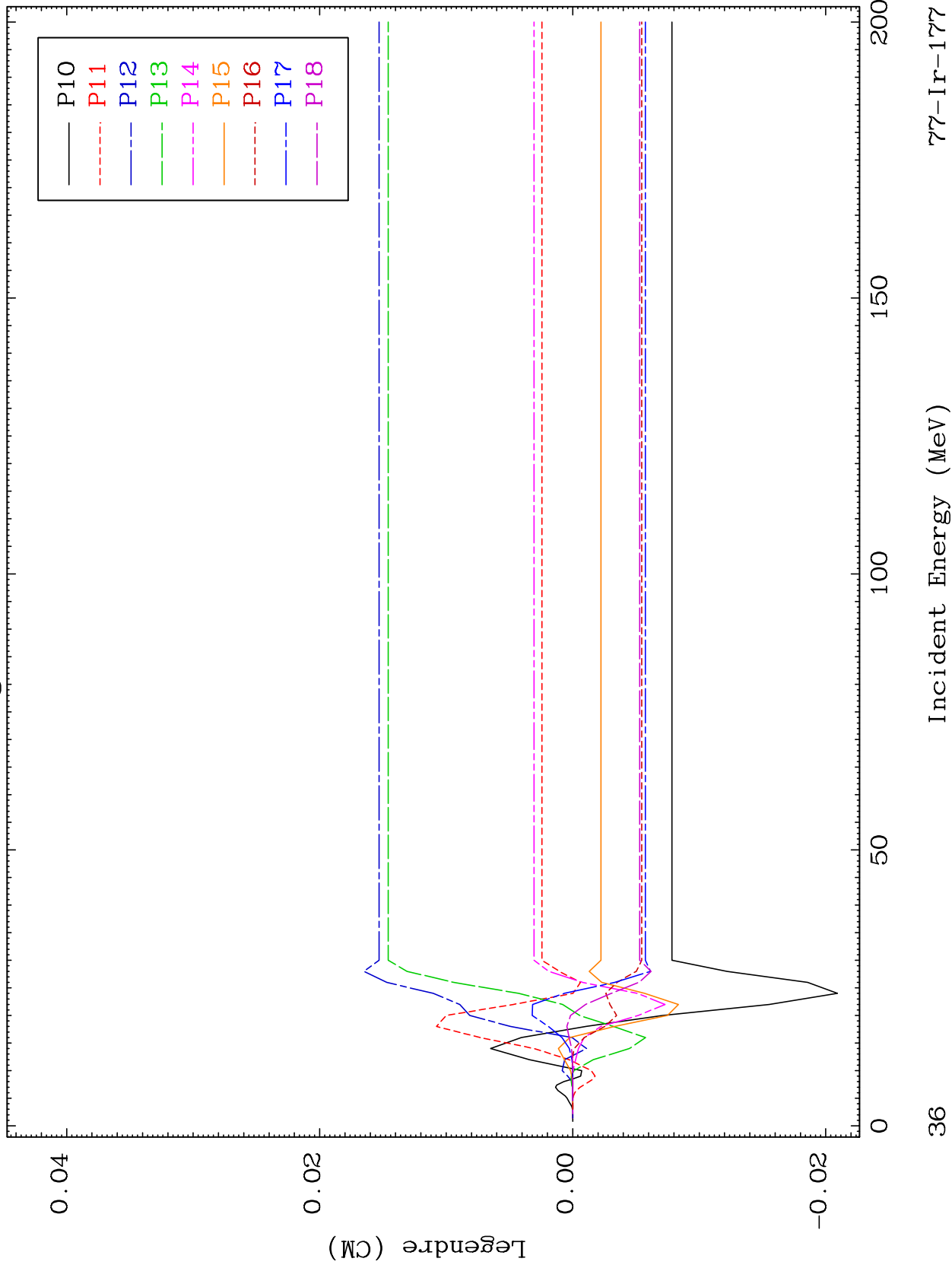
Incident Energy (MeV)

35

MAT 7683

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

77-Ir-177



36

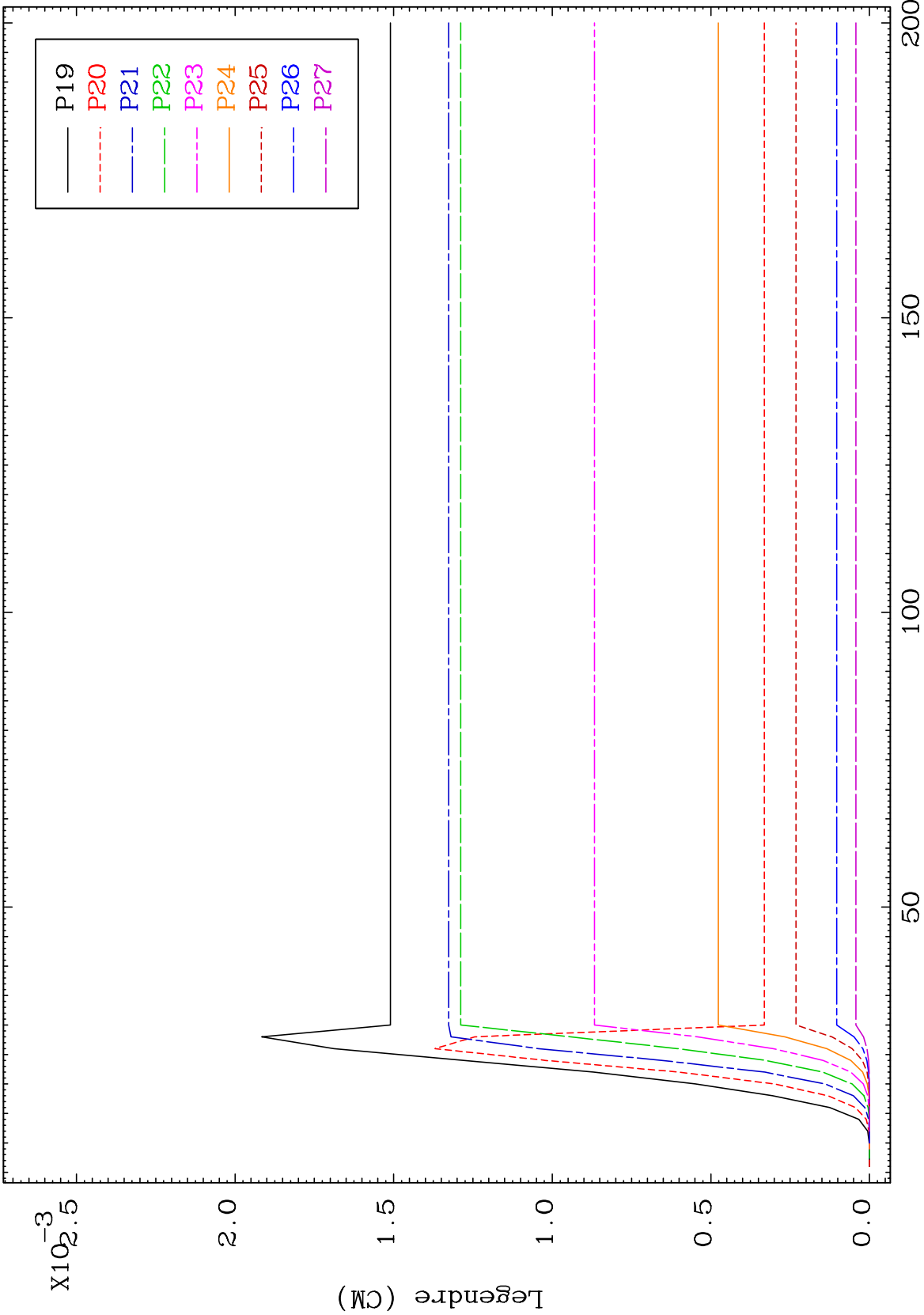
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



37

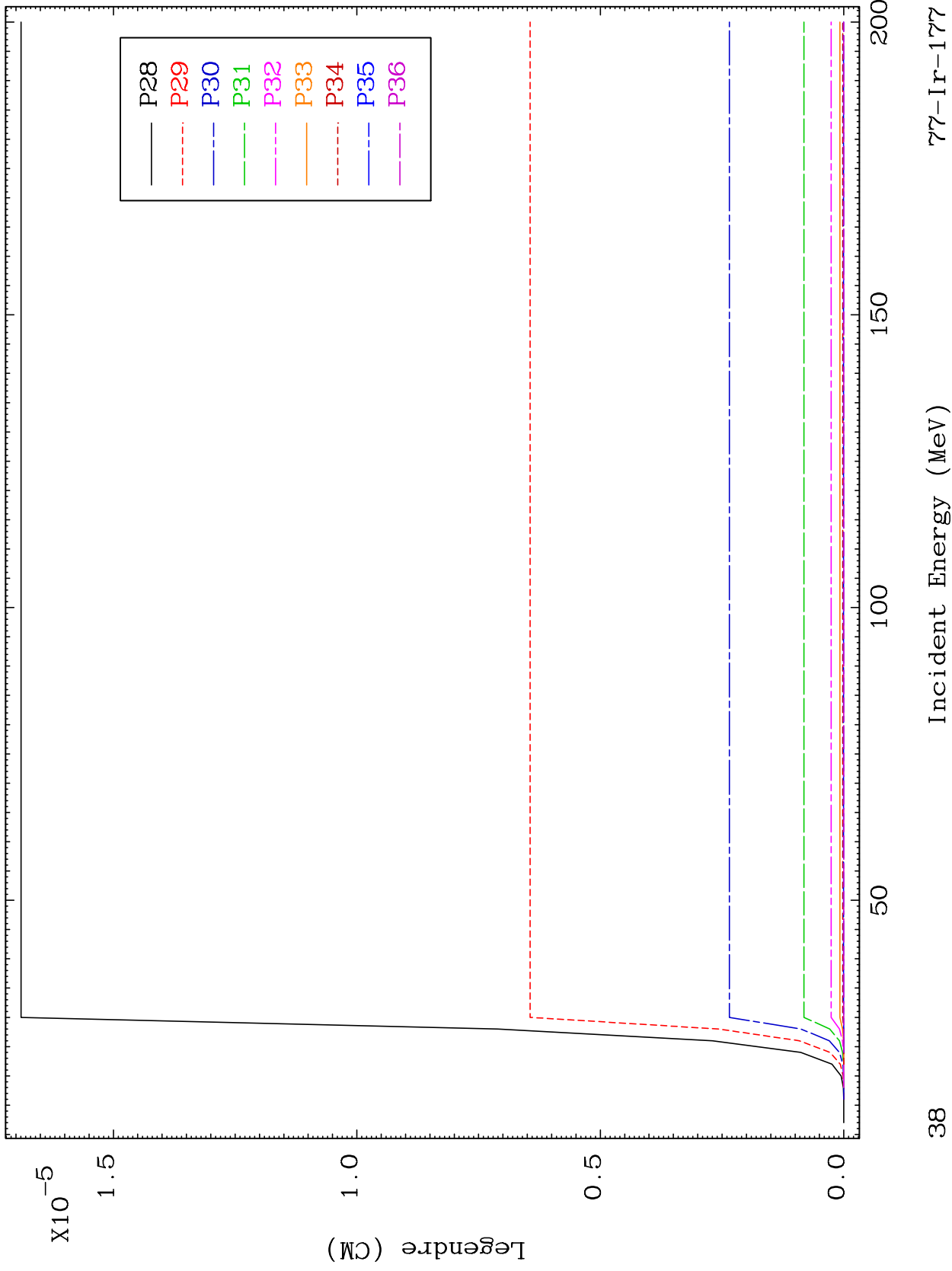
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

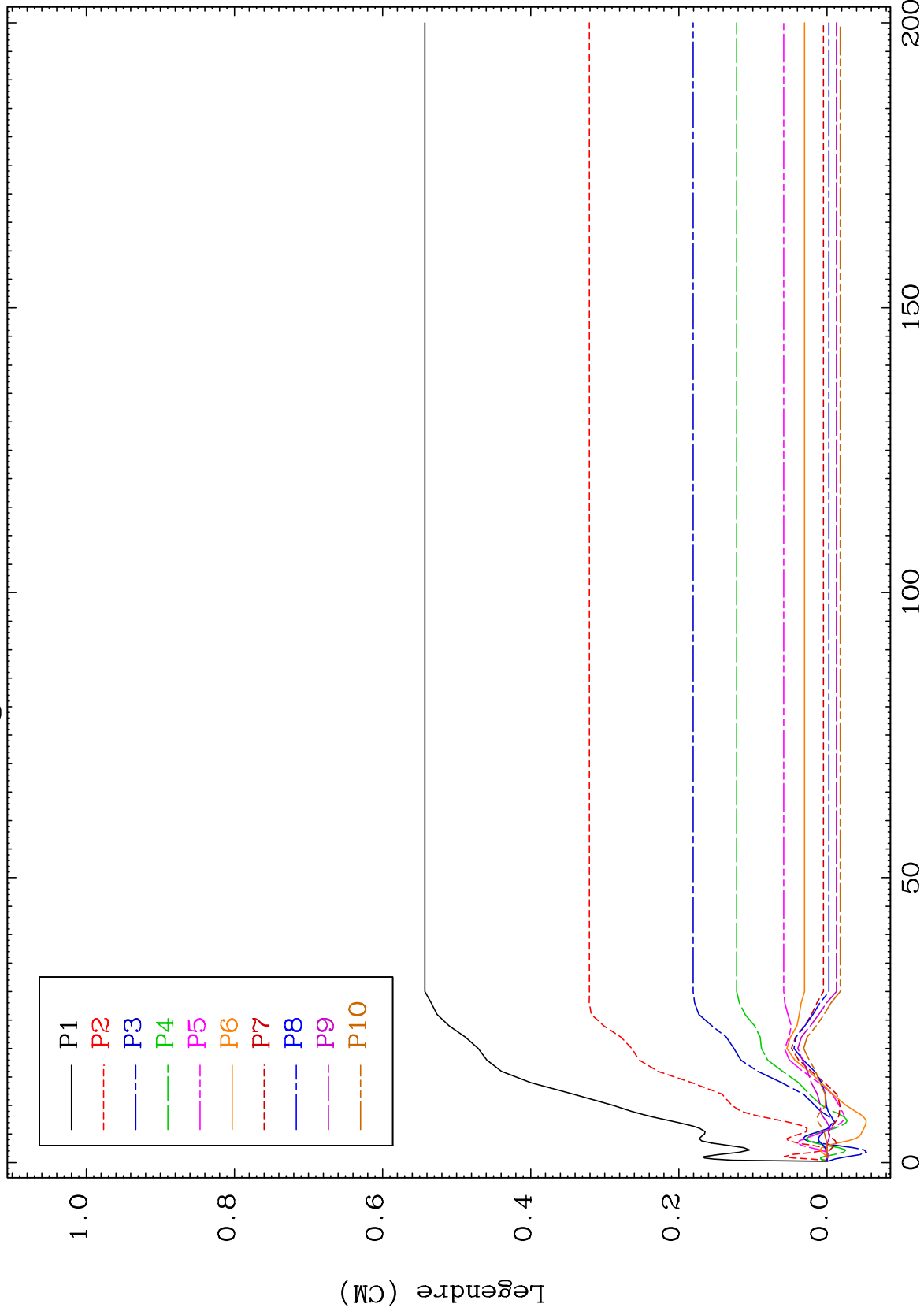
77-Ir-177



38

Incident Energy (MeV)

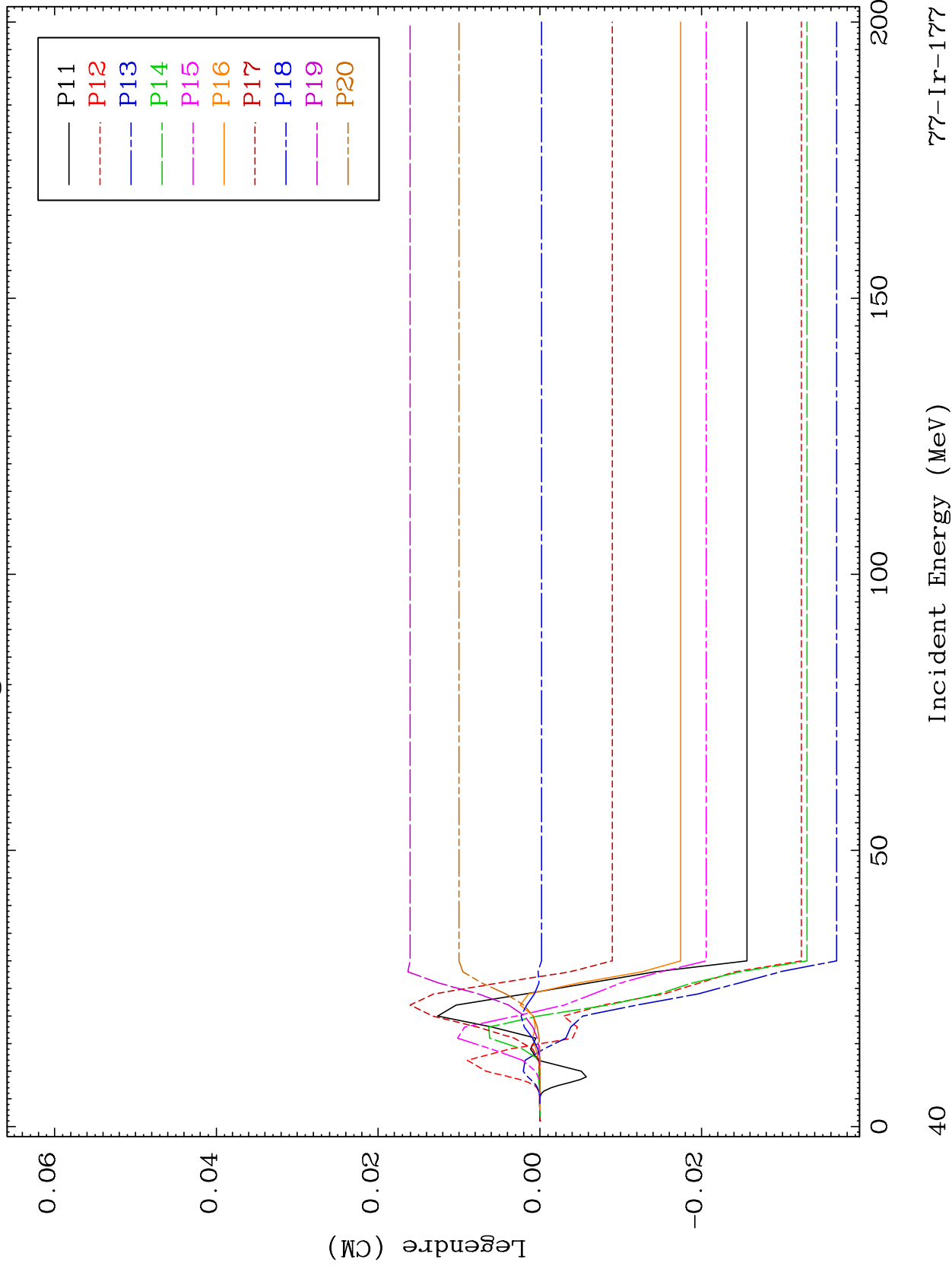
77-Ir-177



MAT 7683

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

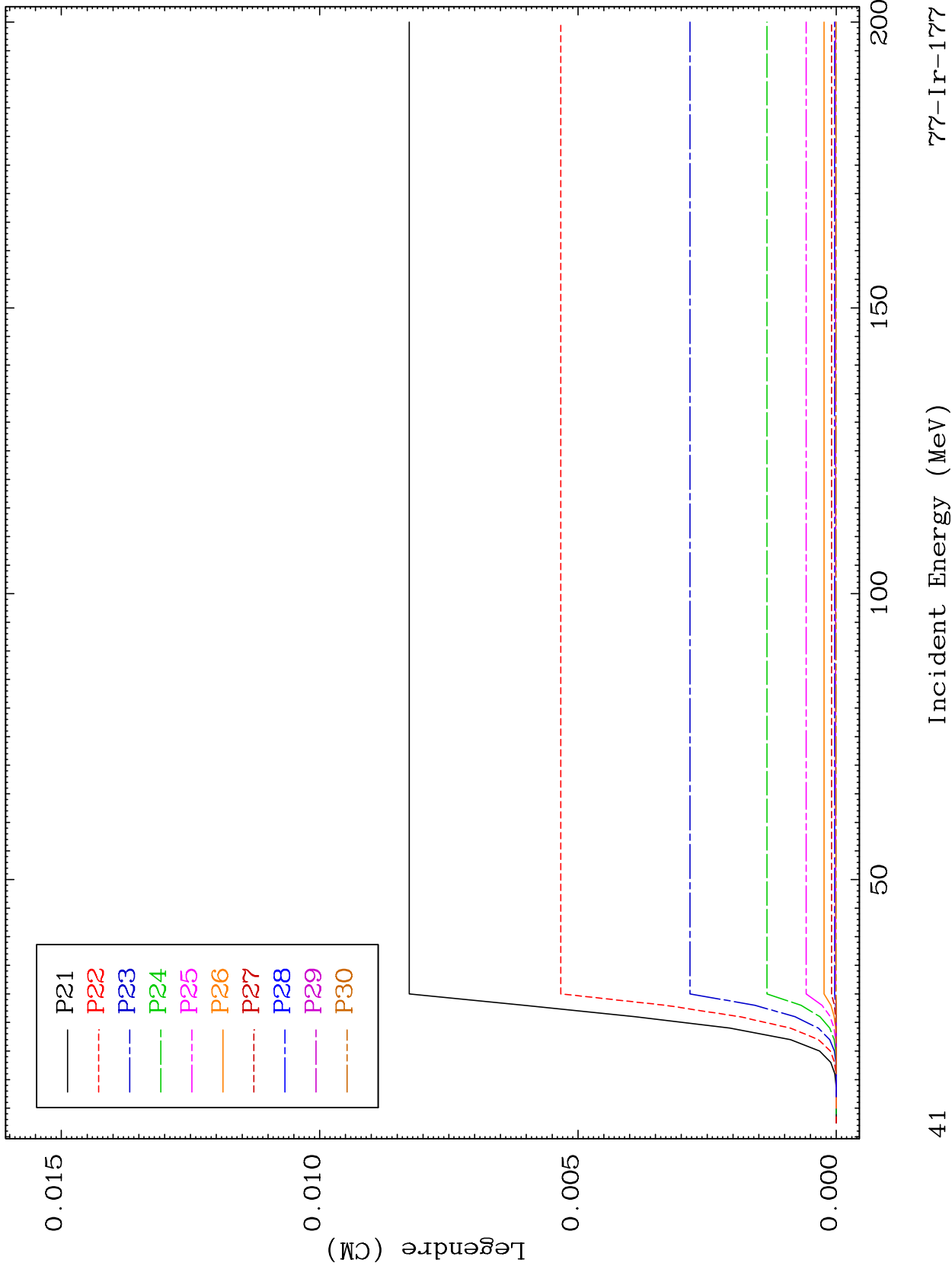
77-Ir-177



77-Ir-177

Incident Energy (MeV)

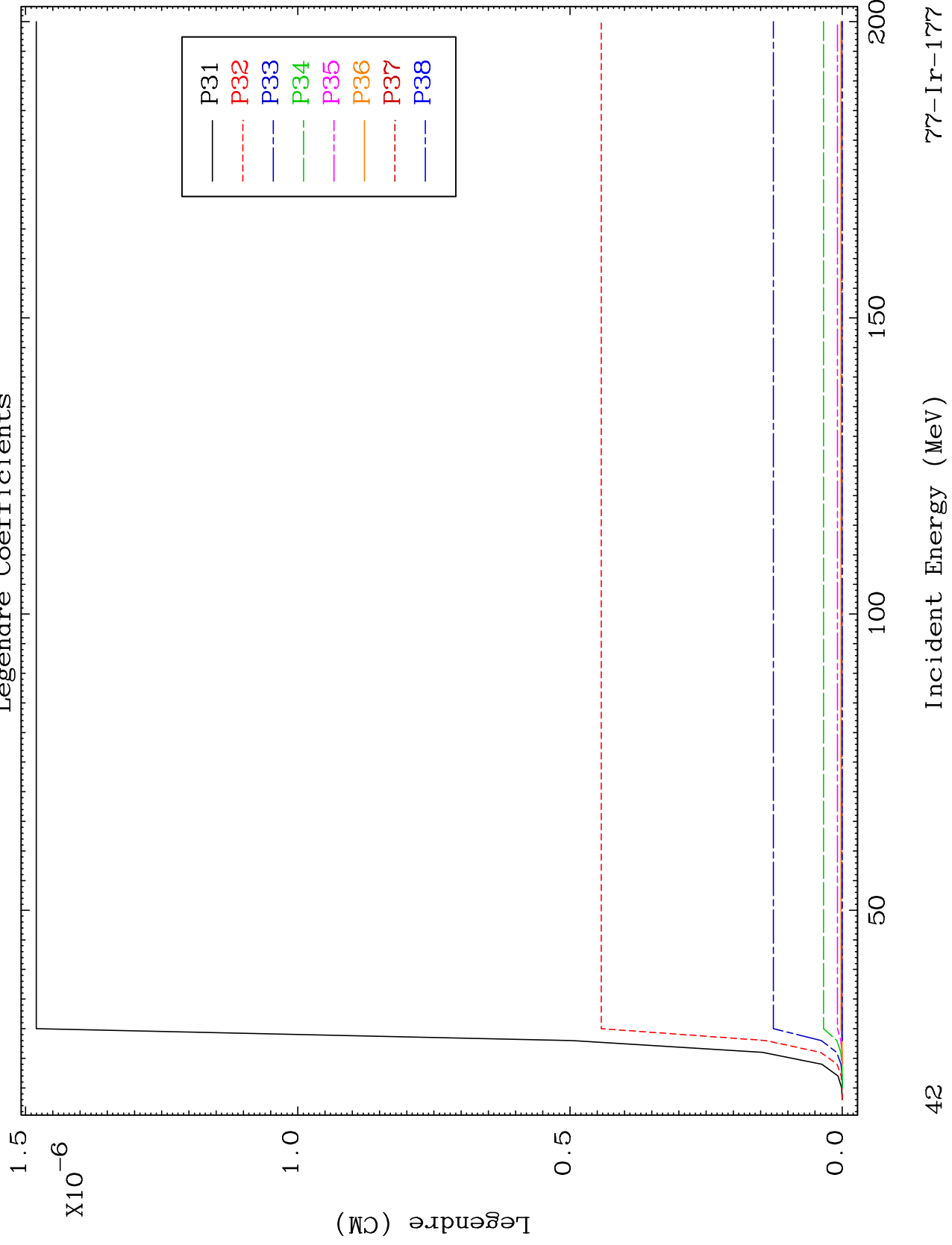
40



MAT 7683

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

77-Ir-177



42

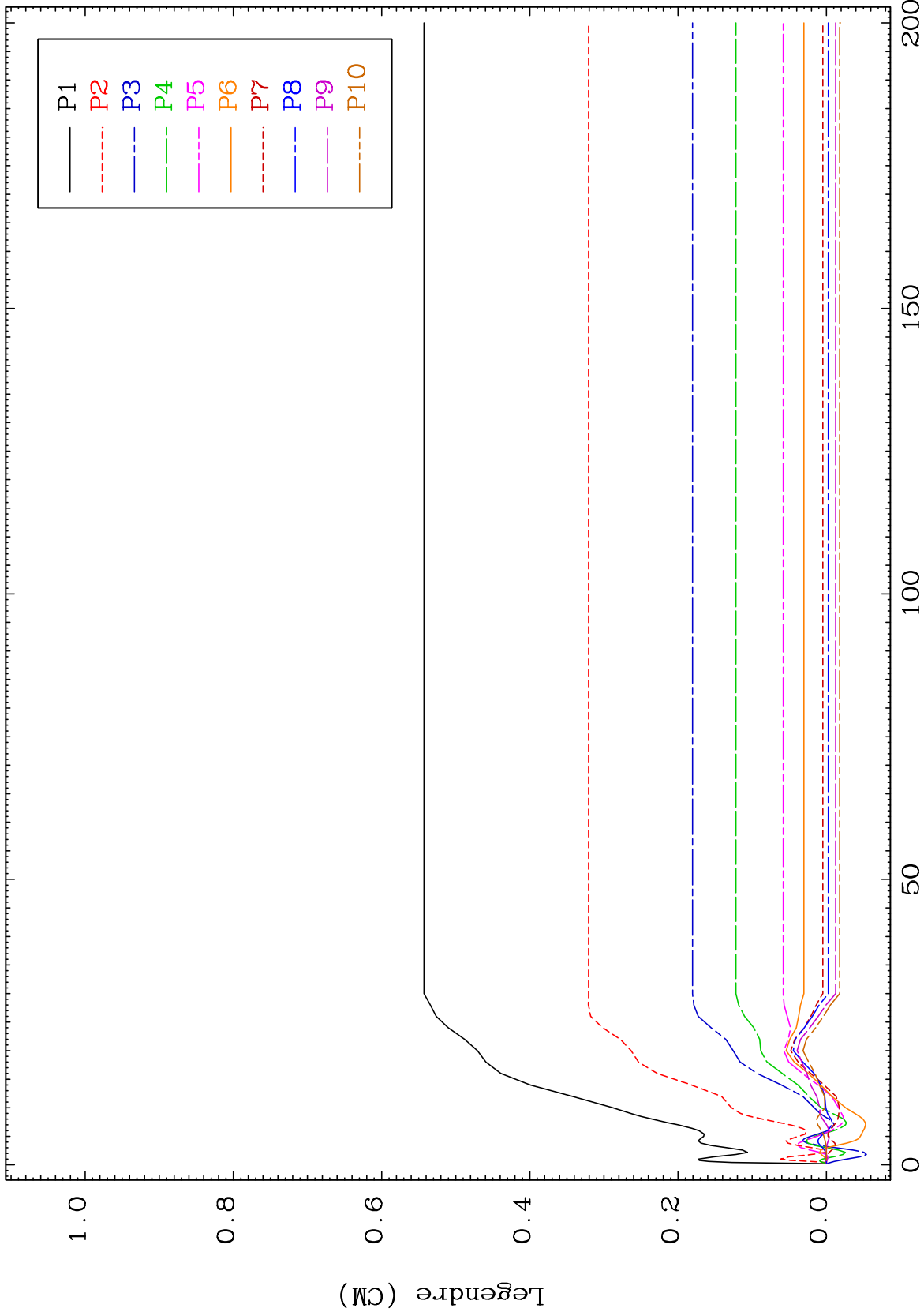
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



43

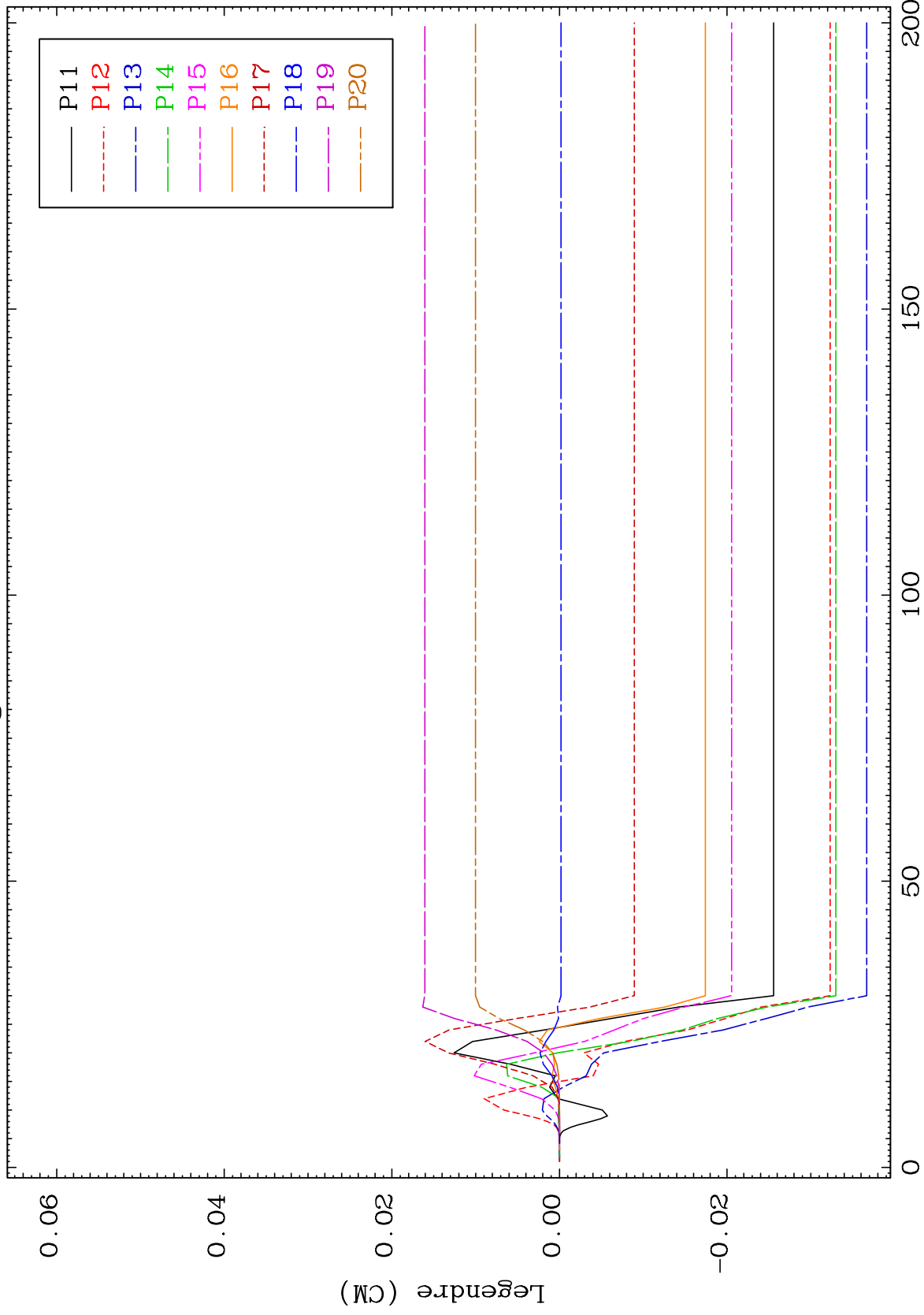
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

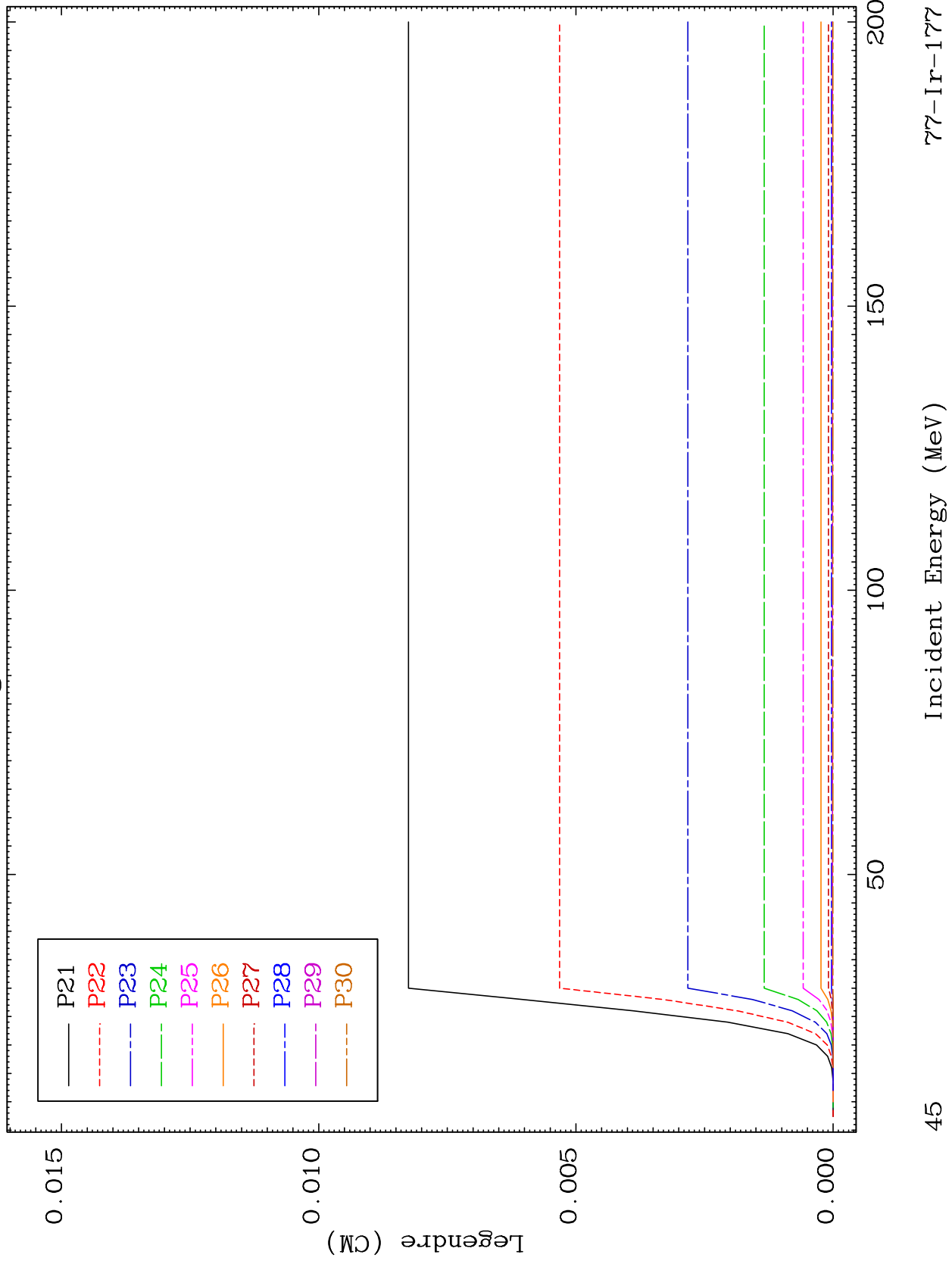
77-Ir-177



MAT 7683

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

77-Ir-177



45

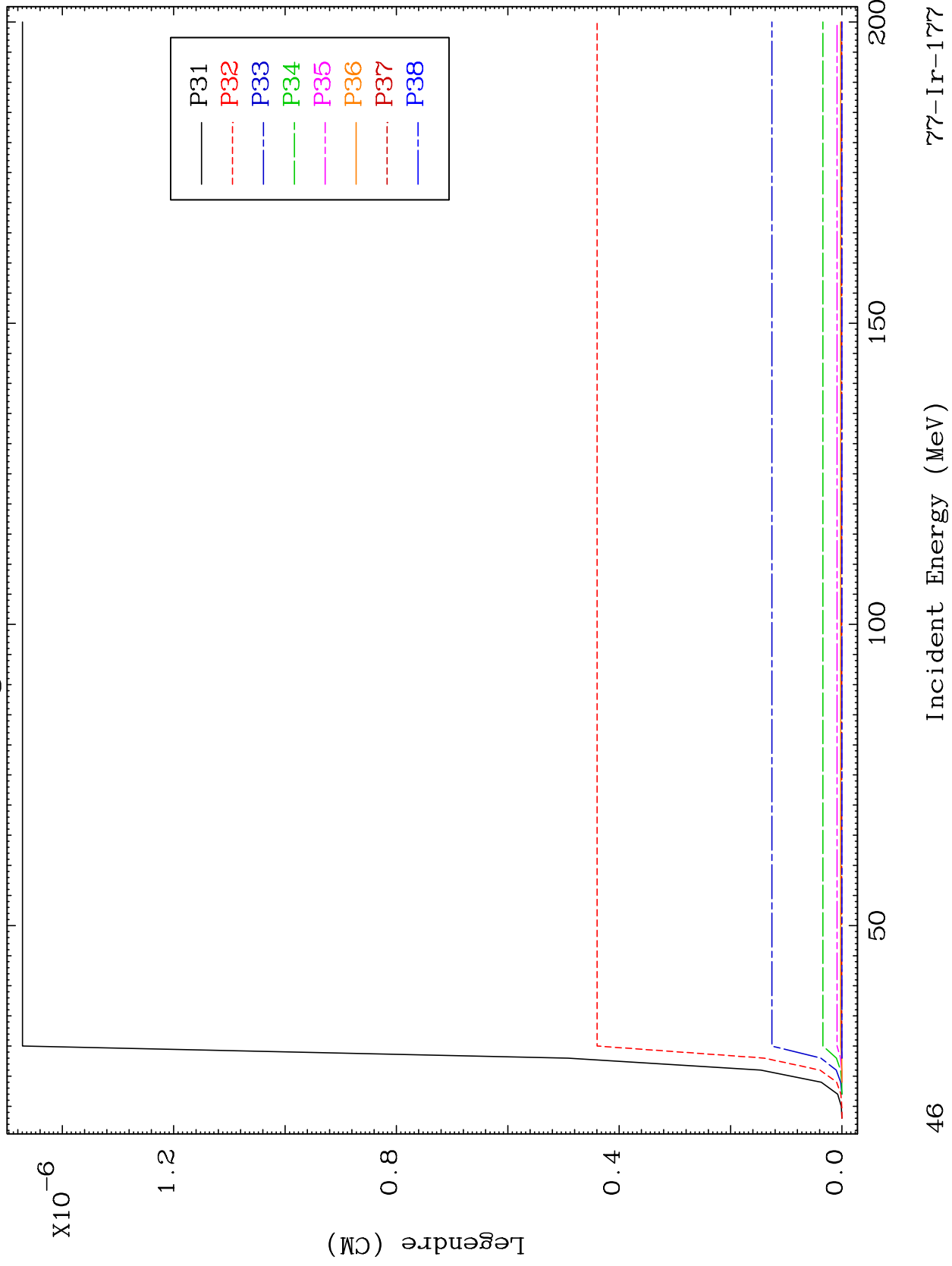
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



46

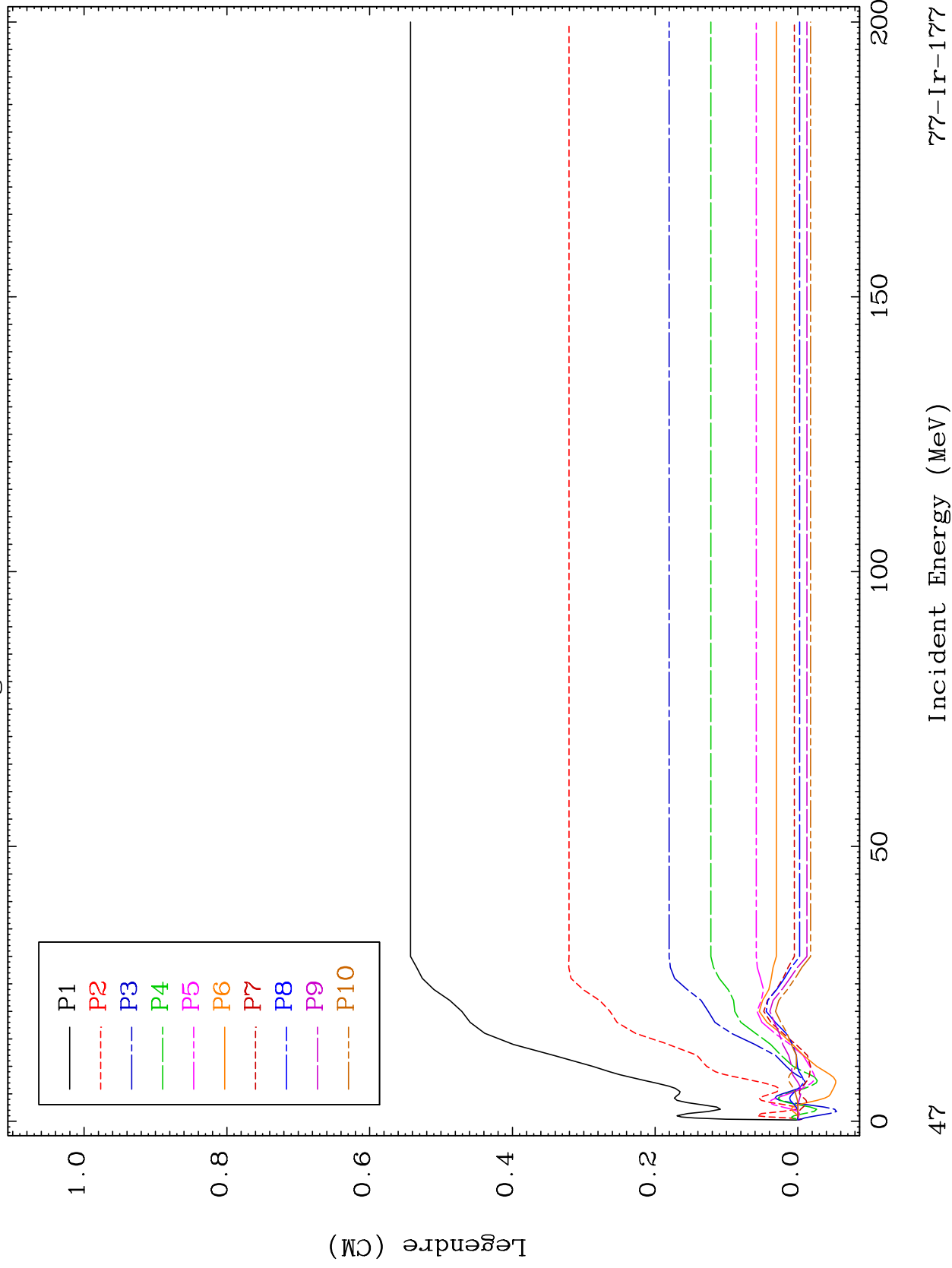
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177

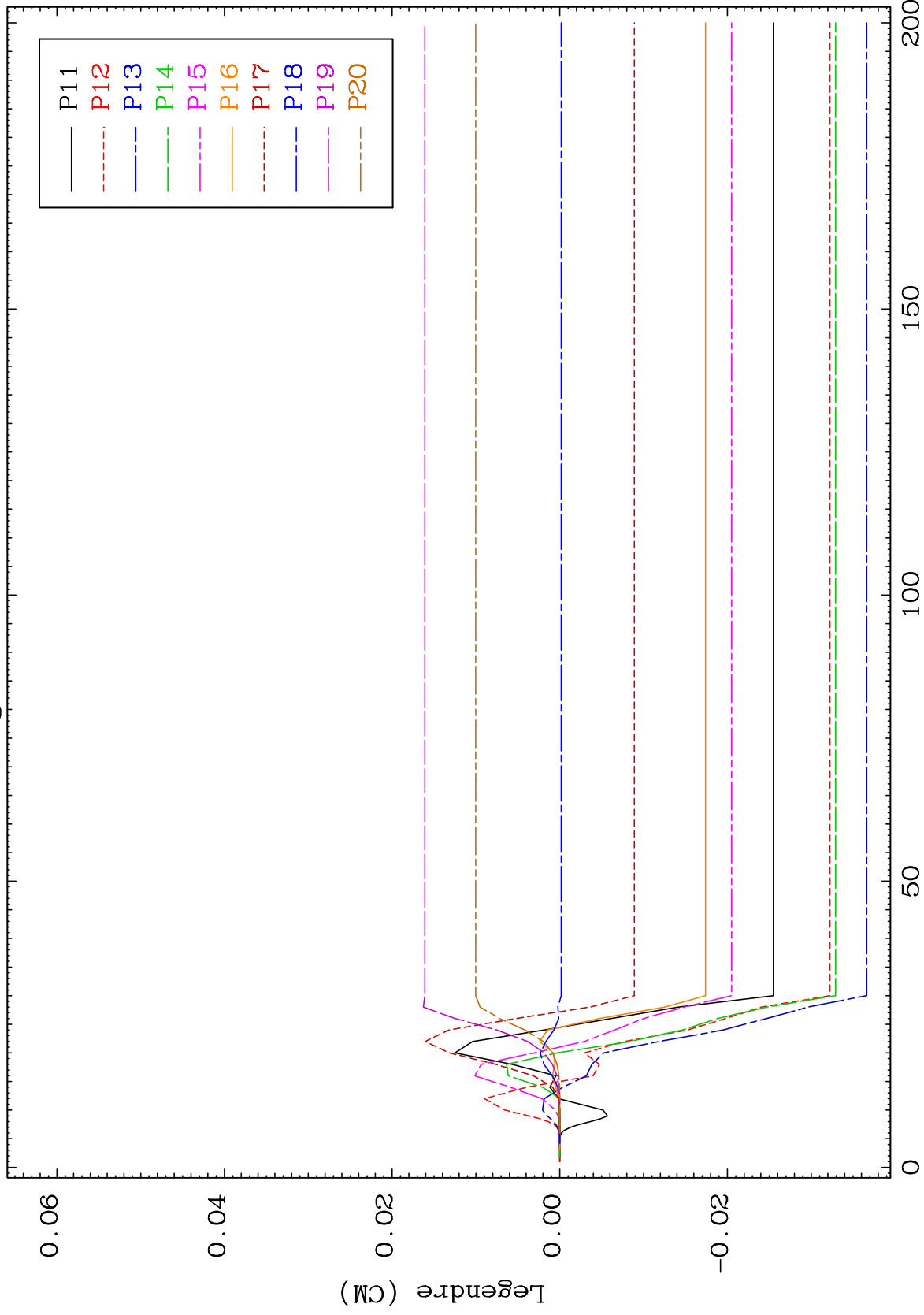


47

MAT 7683

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

77-Ir-177



48

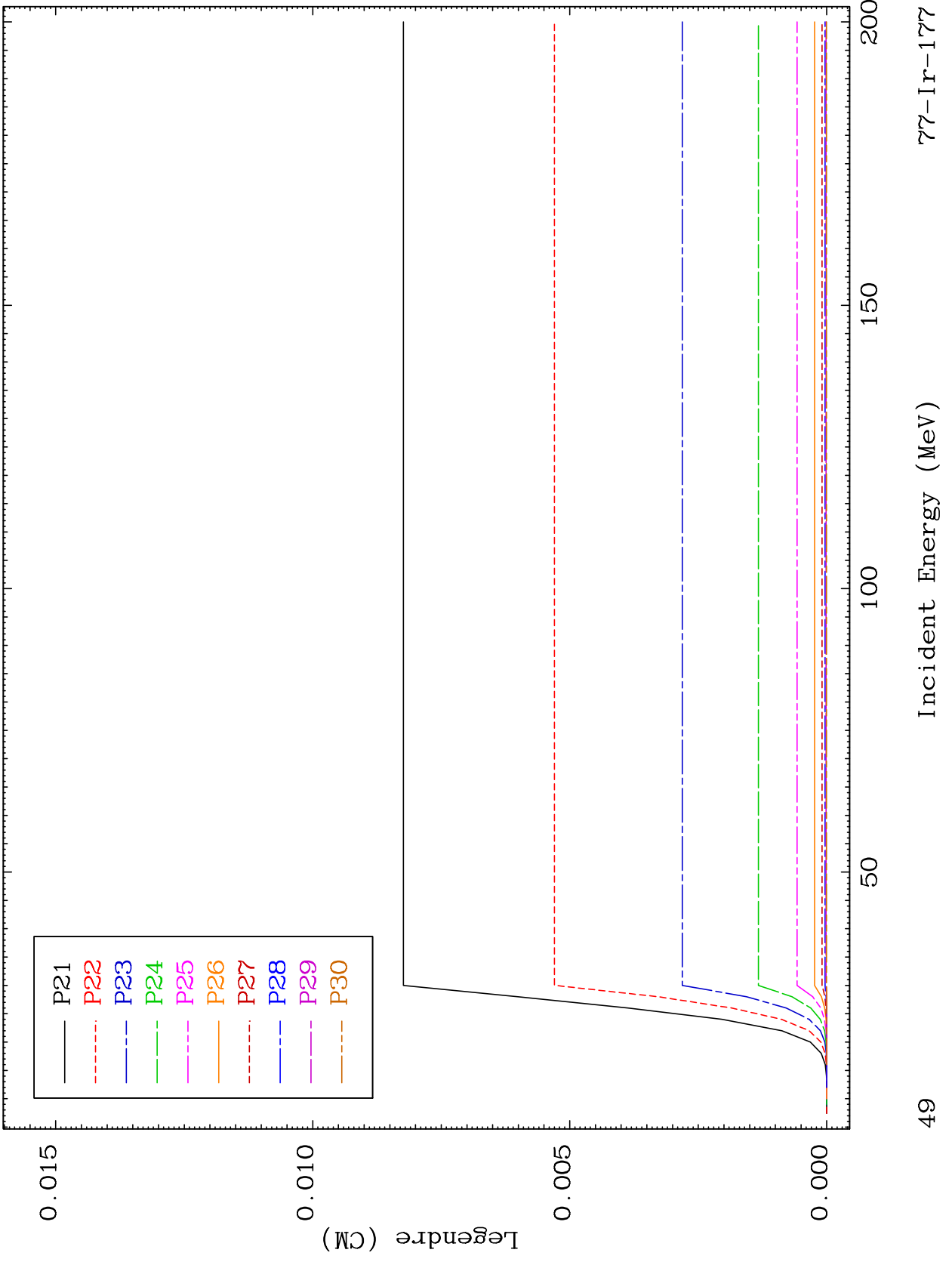
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

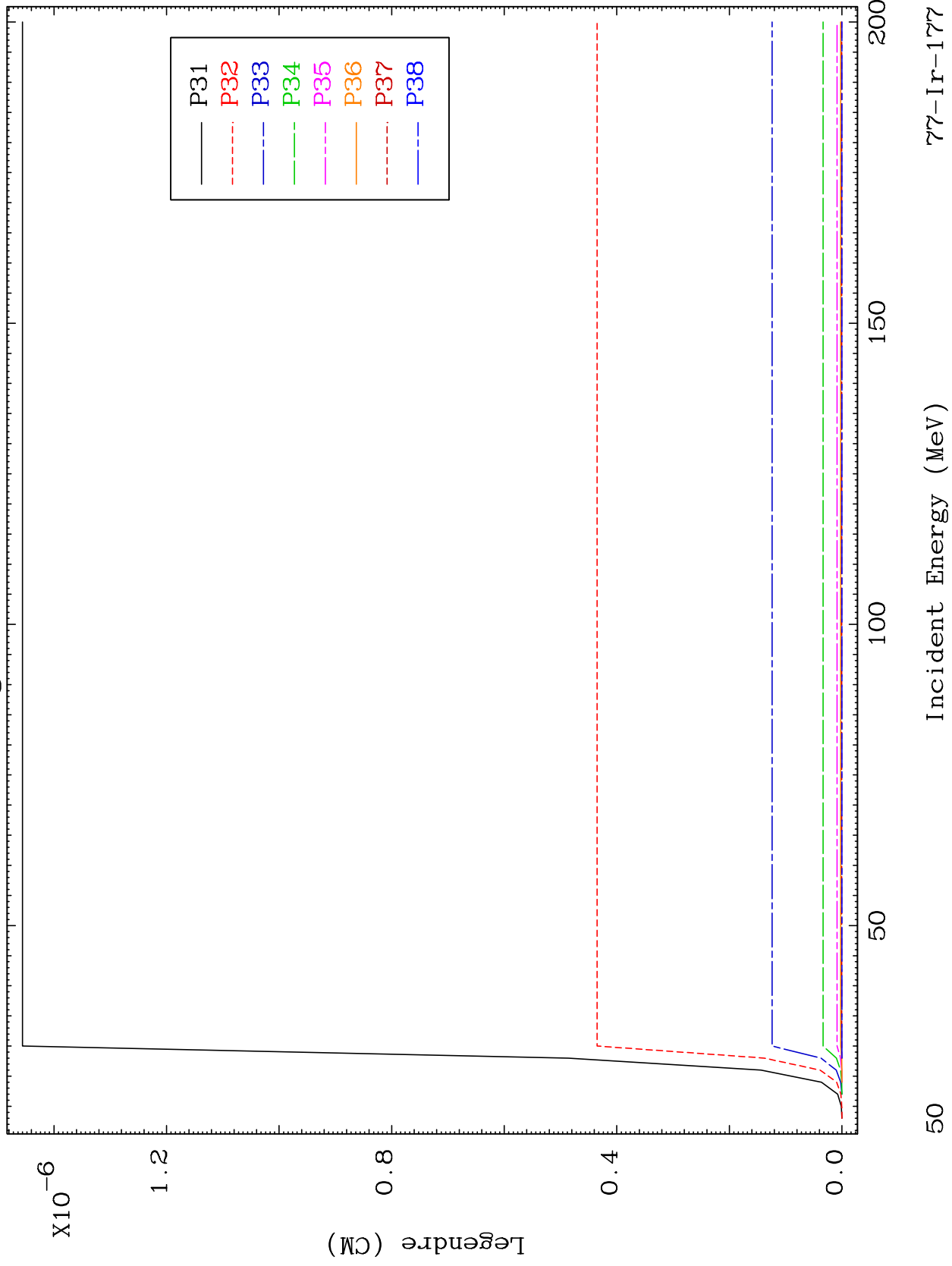
77-Ir-177



MAT 7683

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

77-Ir-177

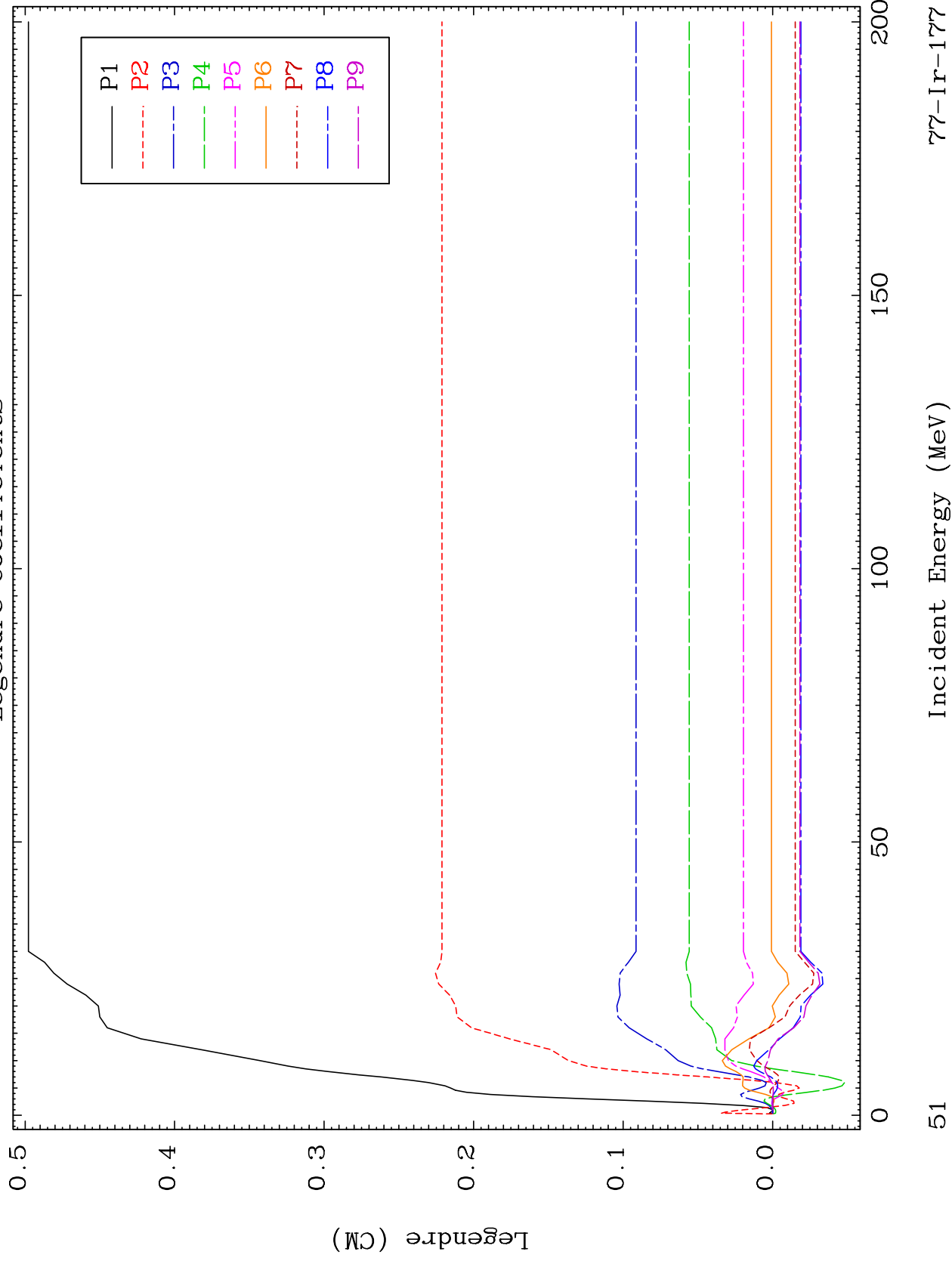


MAT 7683

MT= 59 (n,n') Level

77-Ir-177

Legendre Coefficients



51

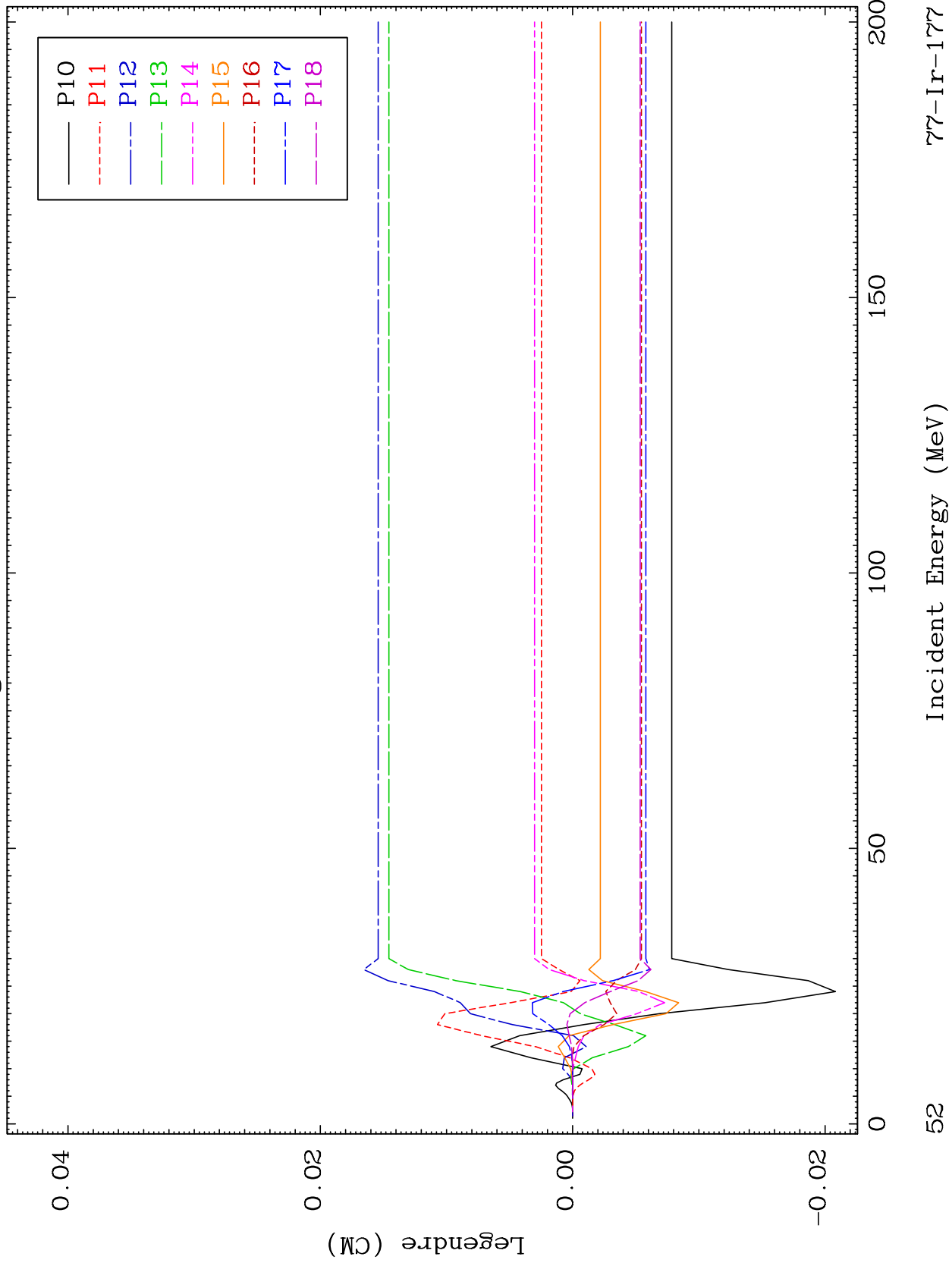
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

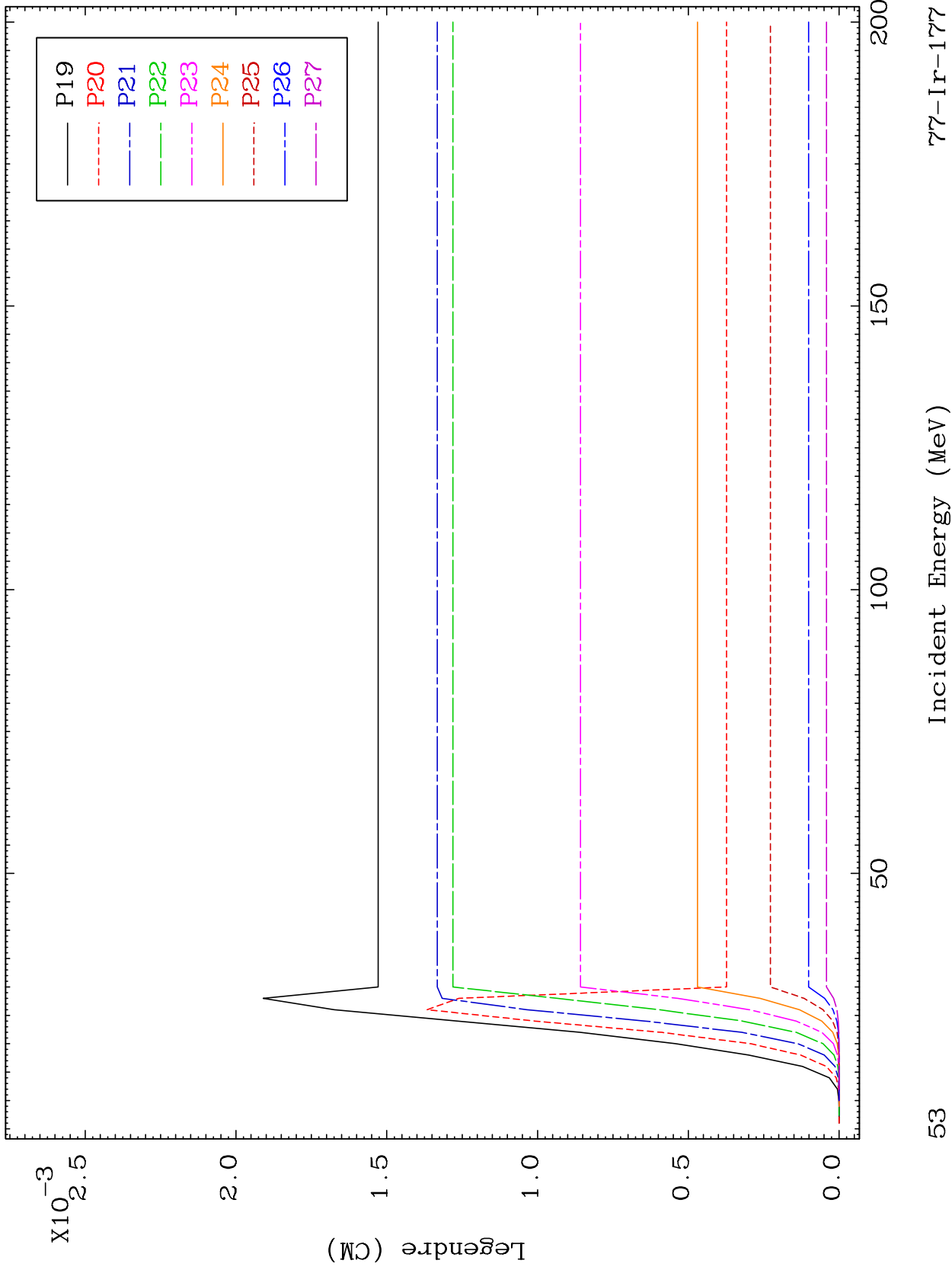
77-Ir-177



52

Incident Energy (MeV)

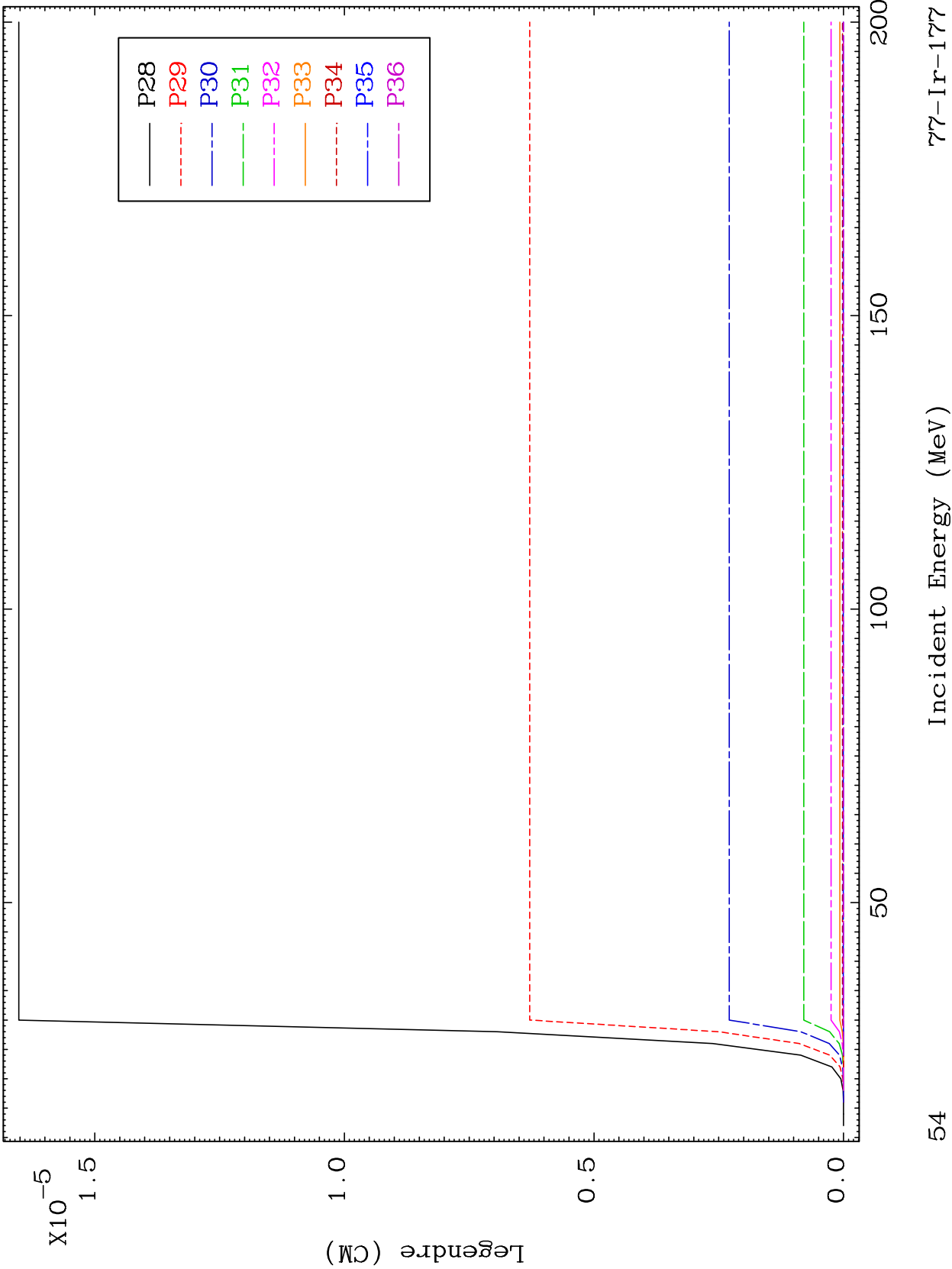
77-Ir-177



MAT 7683

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

77-Ir-177



54

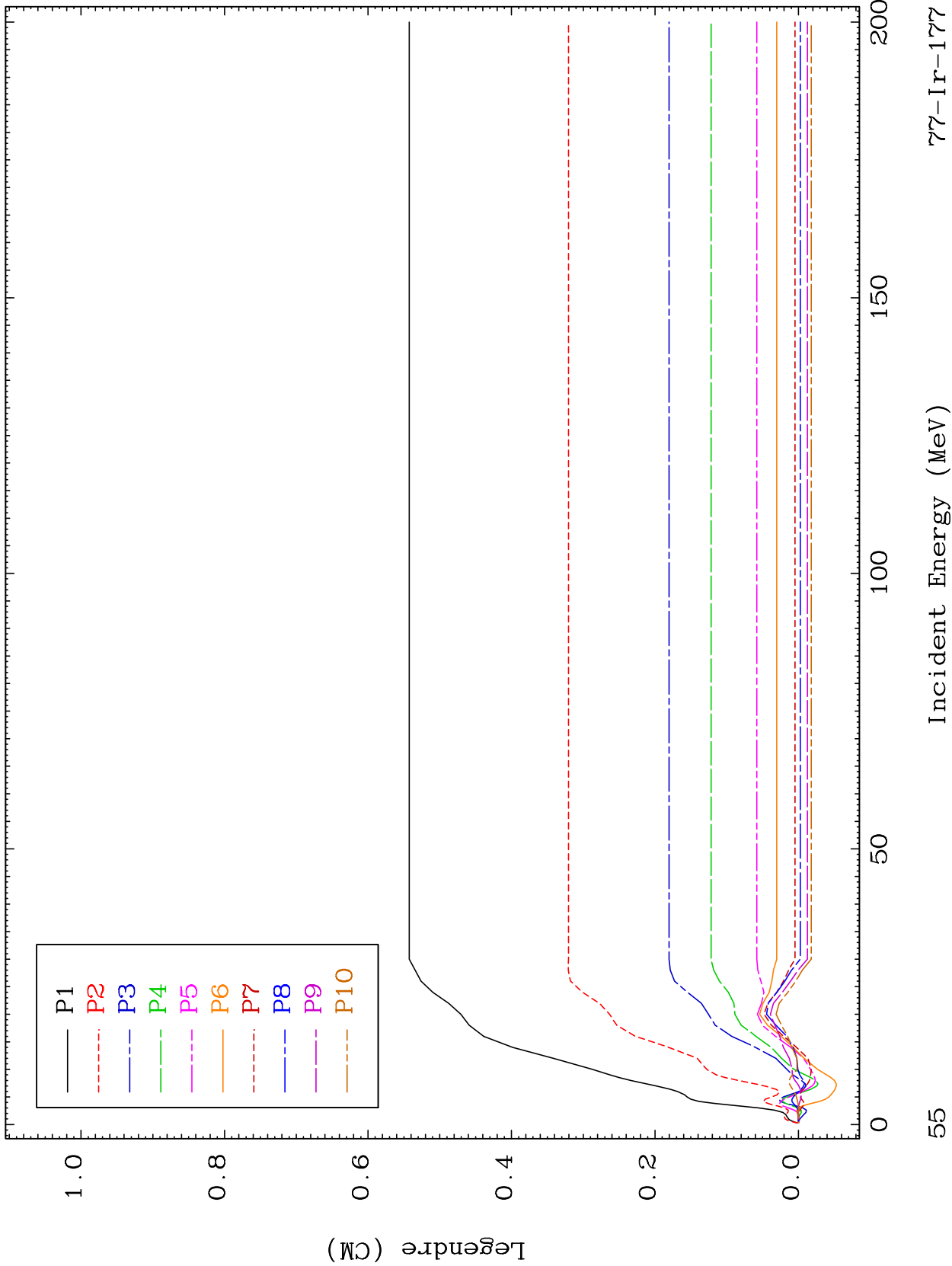
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



77-Ir-177

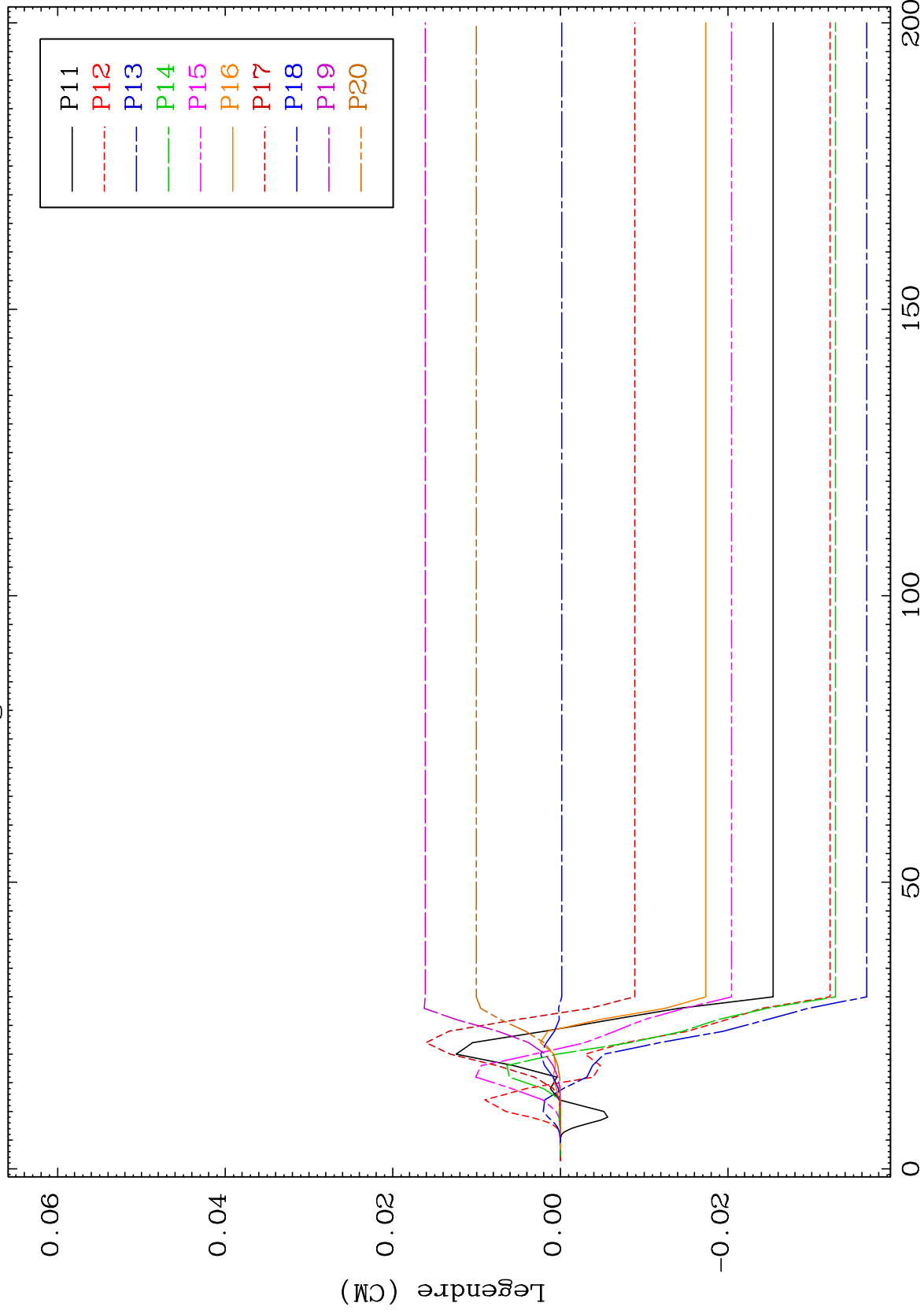
Incident Energy (MeV)

55

MAT 7683

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

77-Ir-177



56

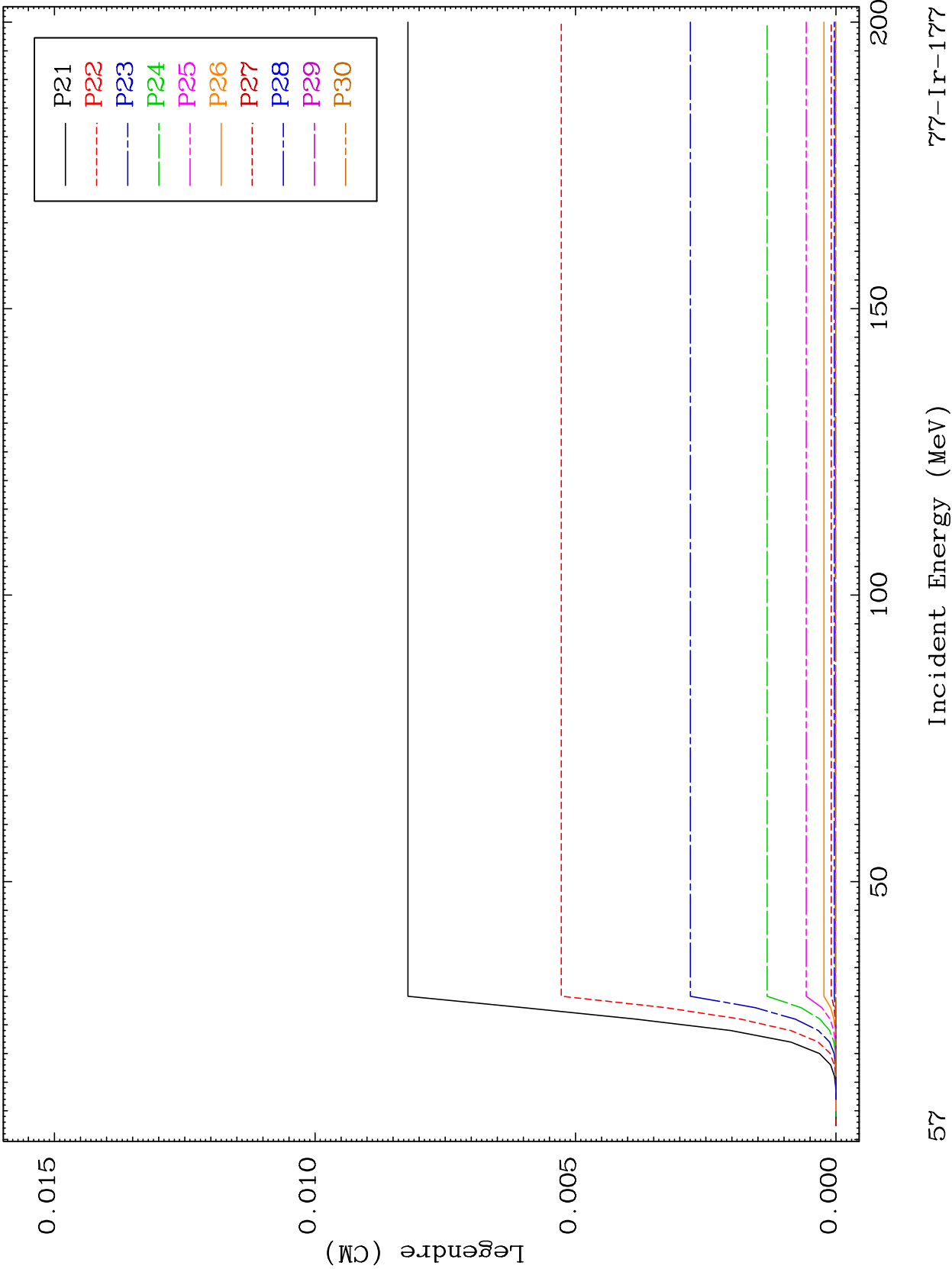
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



57

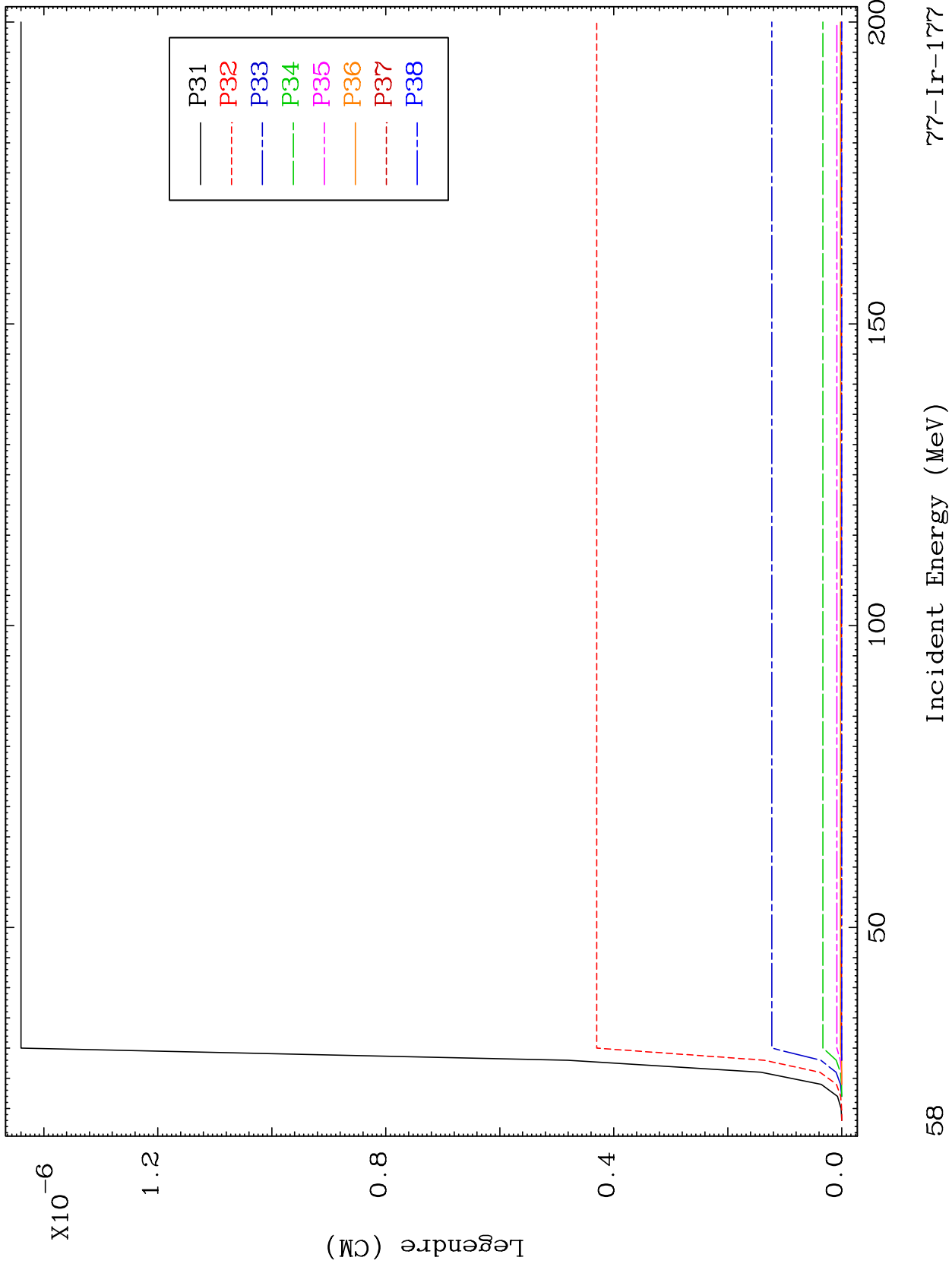
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



58

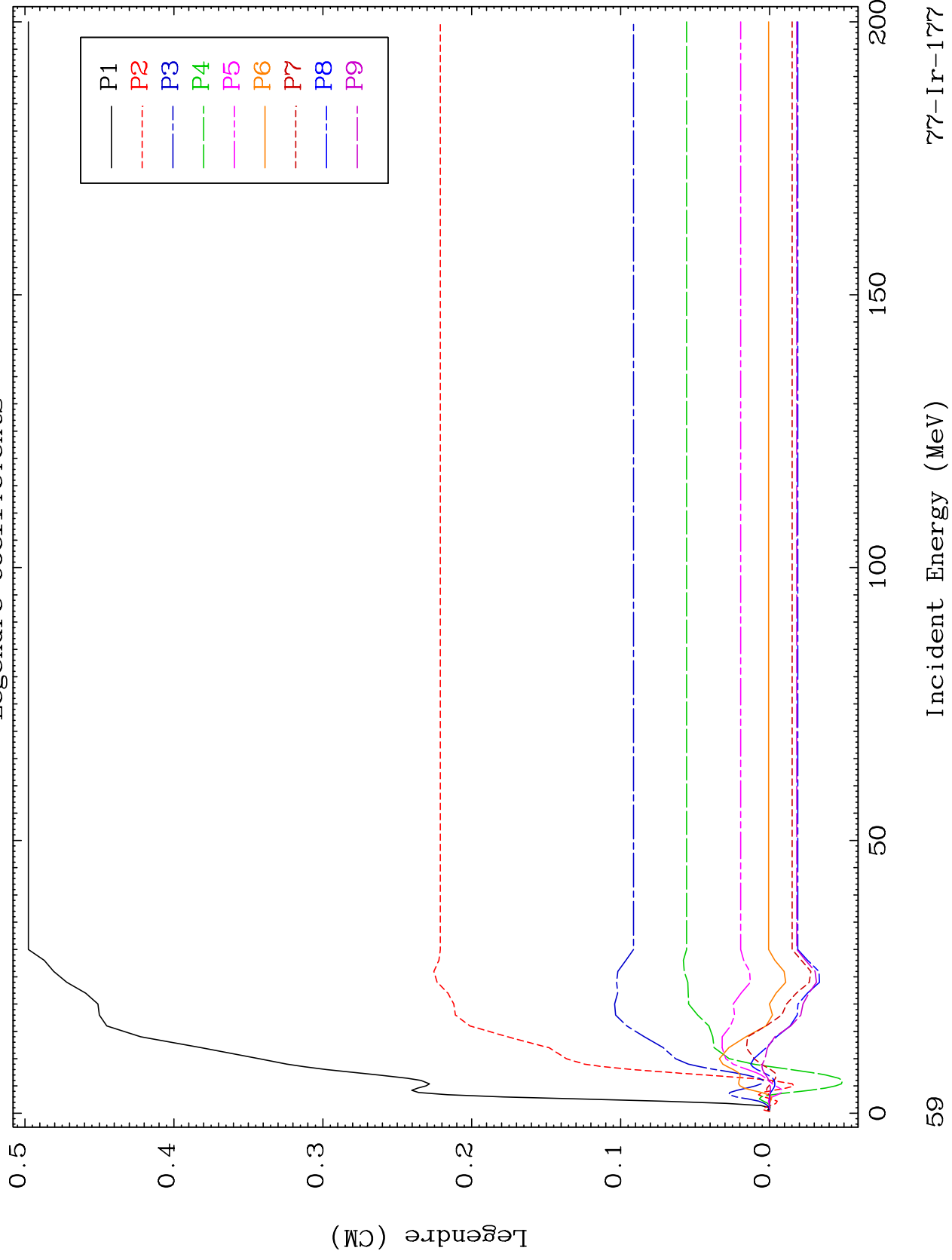
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

⁷⁷Ir-177



⁷⁷Ir-177

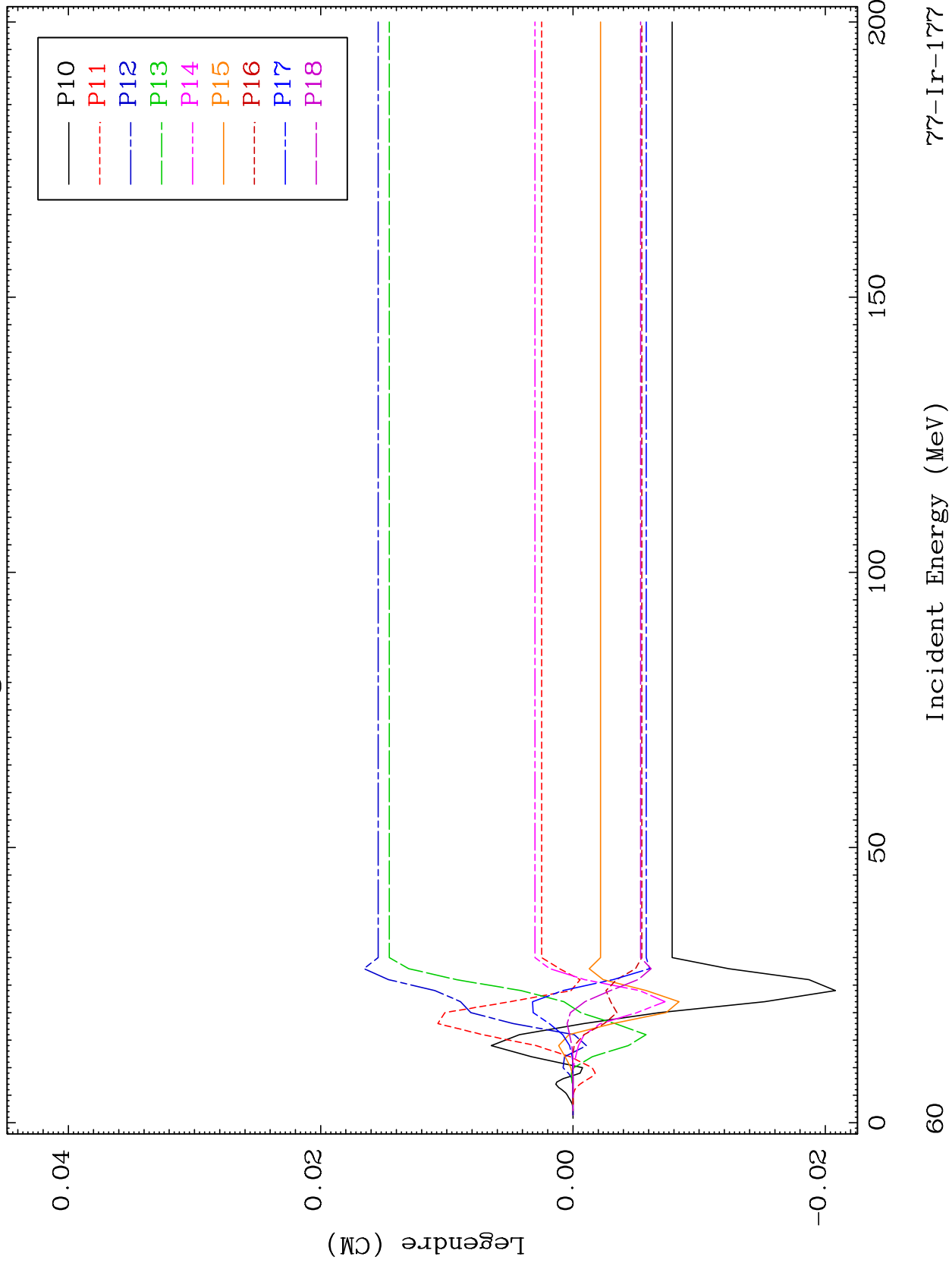
Incident Energy (MeV)

59

MAT 7683

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

⁷⁷Ir-177

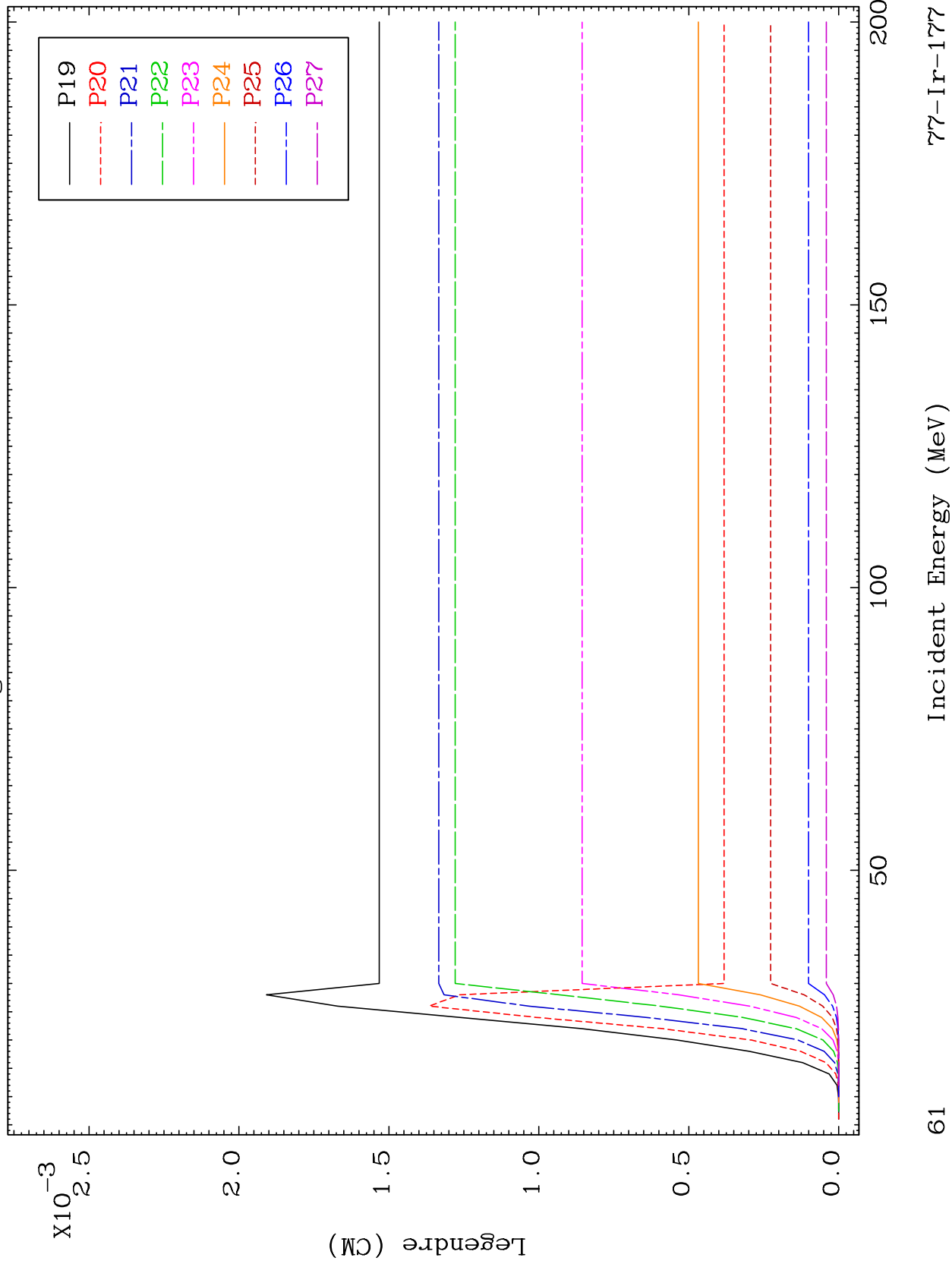


⁷⁷Ir-177

MAT 7683

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

77-Ir-177



61

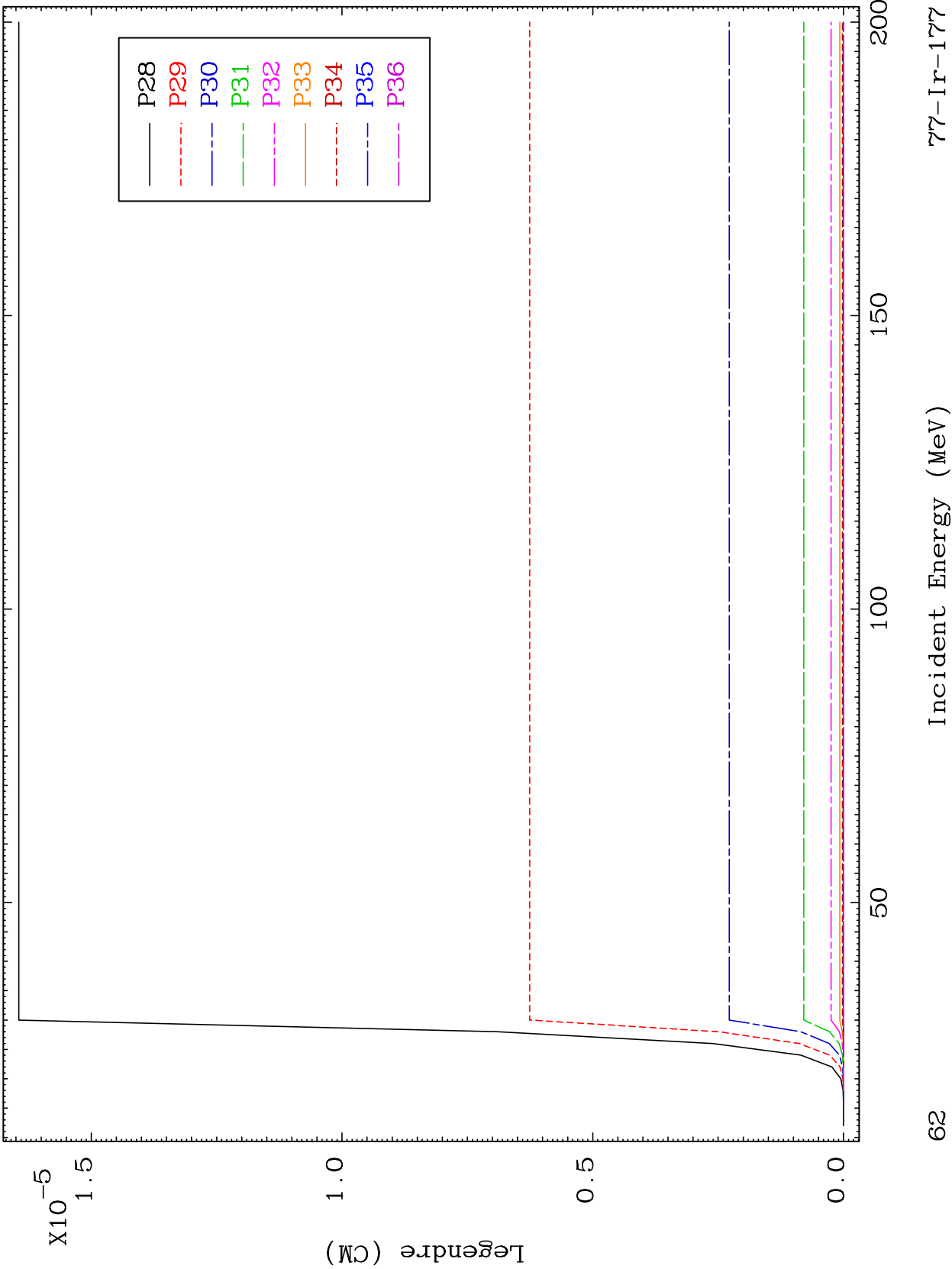
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177

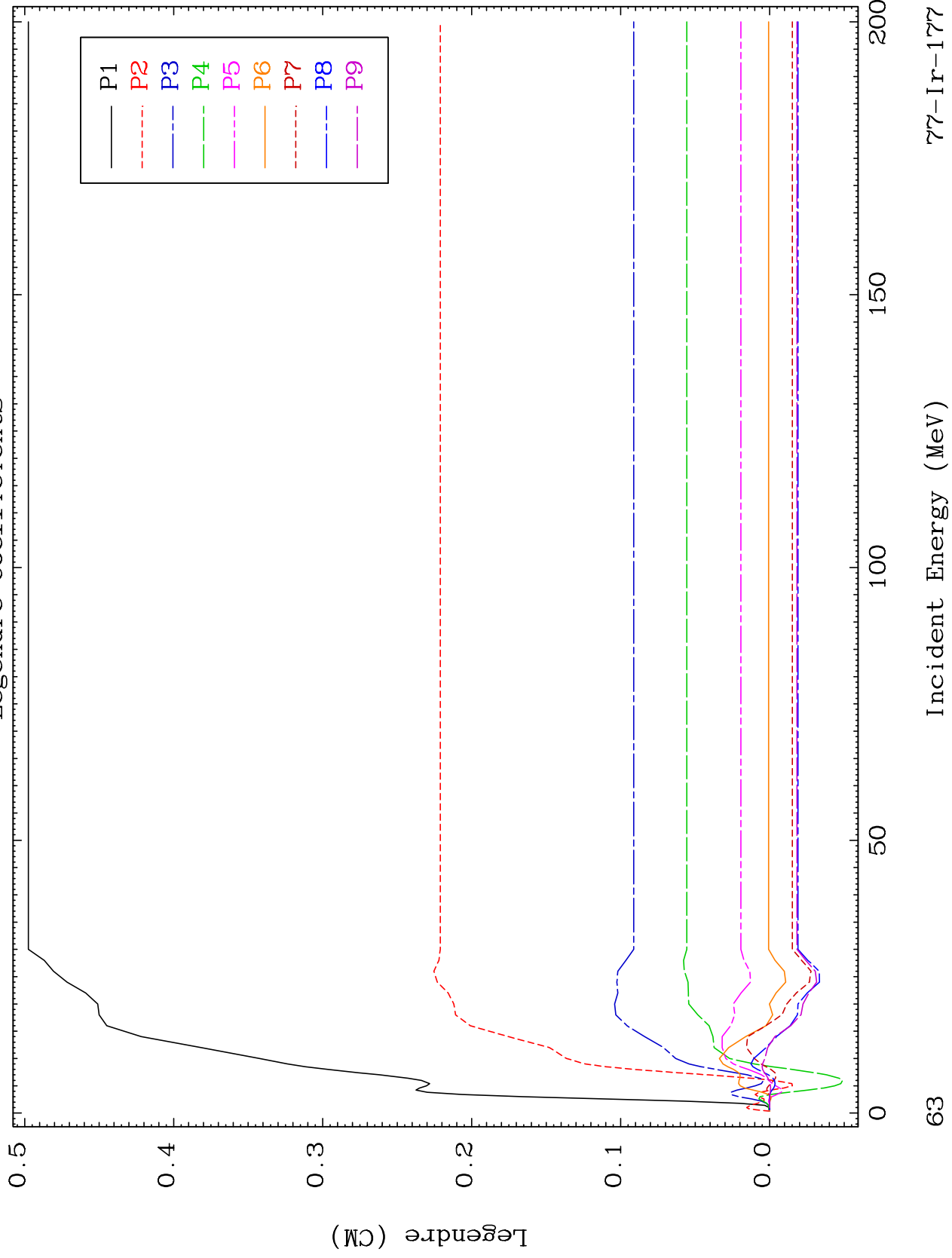


62

MAT 7683

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

77-Ir-177



77-Ir-177

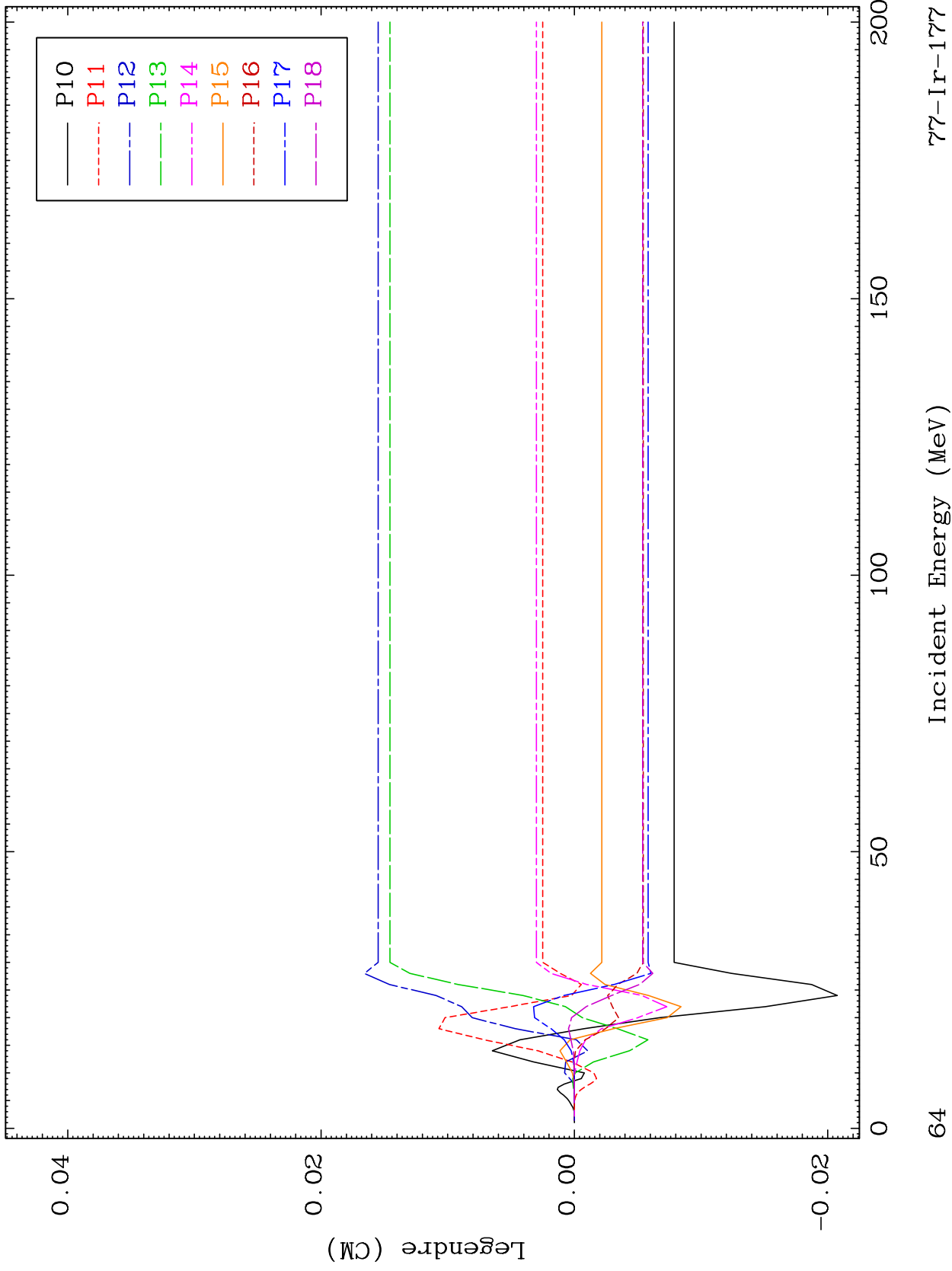
Incident Energy (MeV)

63

MAT 7683

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

77-Ir-177

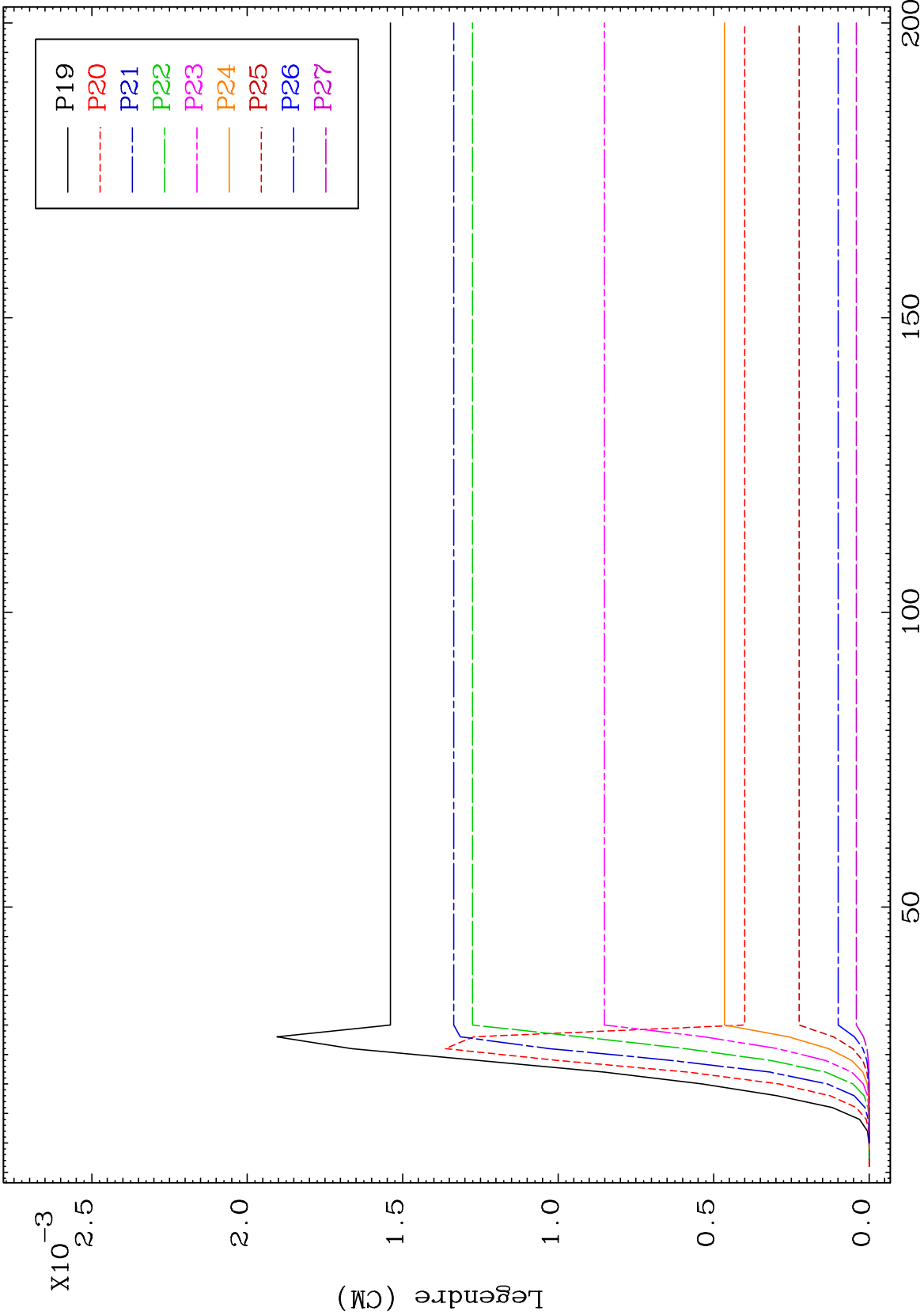


77-Ir-177

MAT 7683

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

77-Ir-177



65

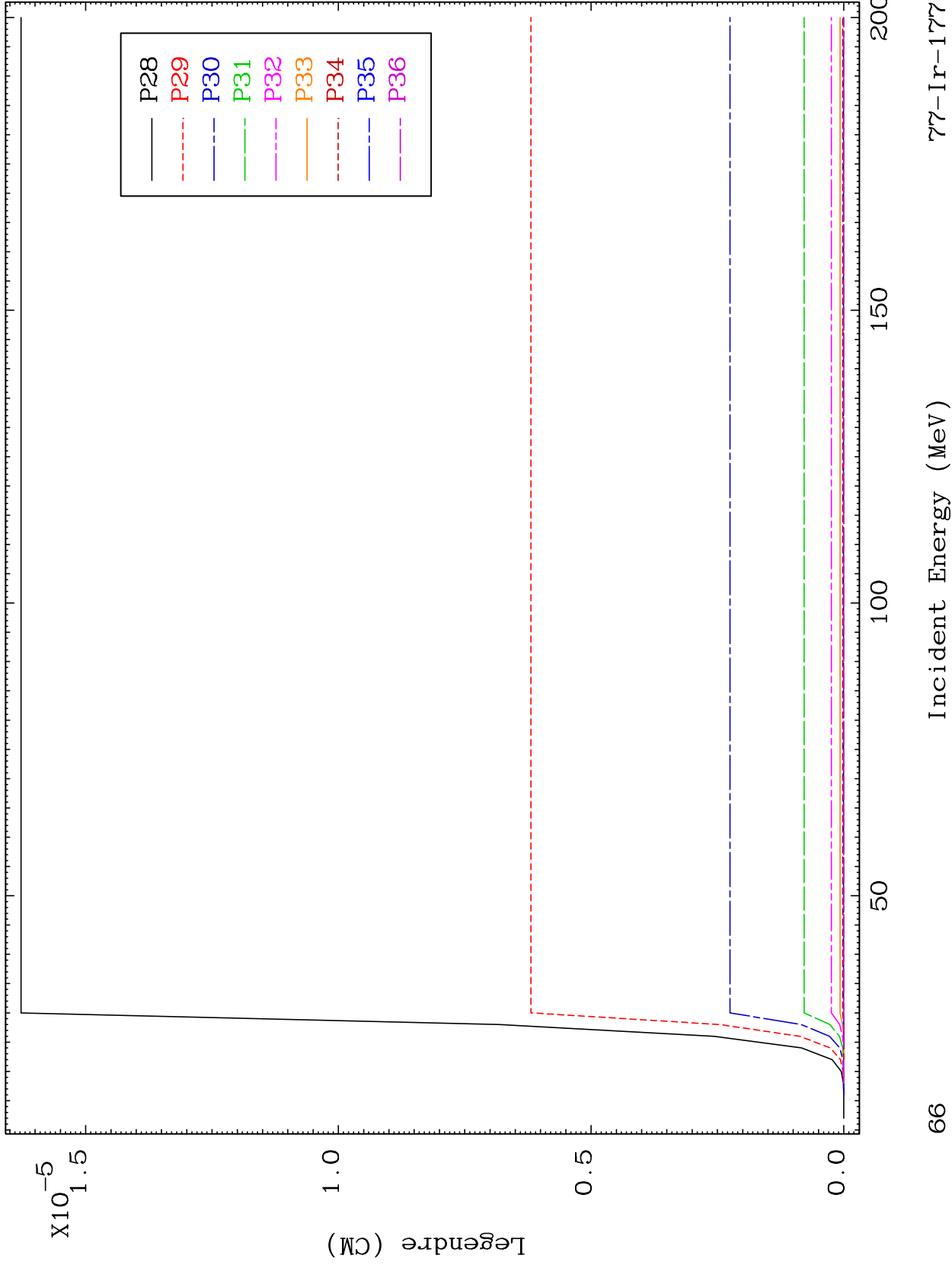
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177

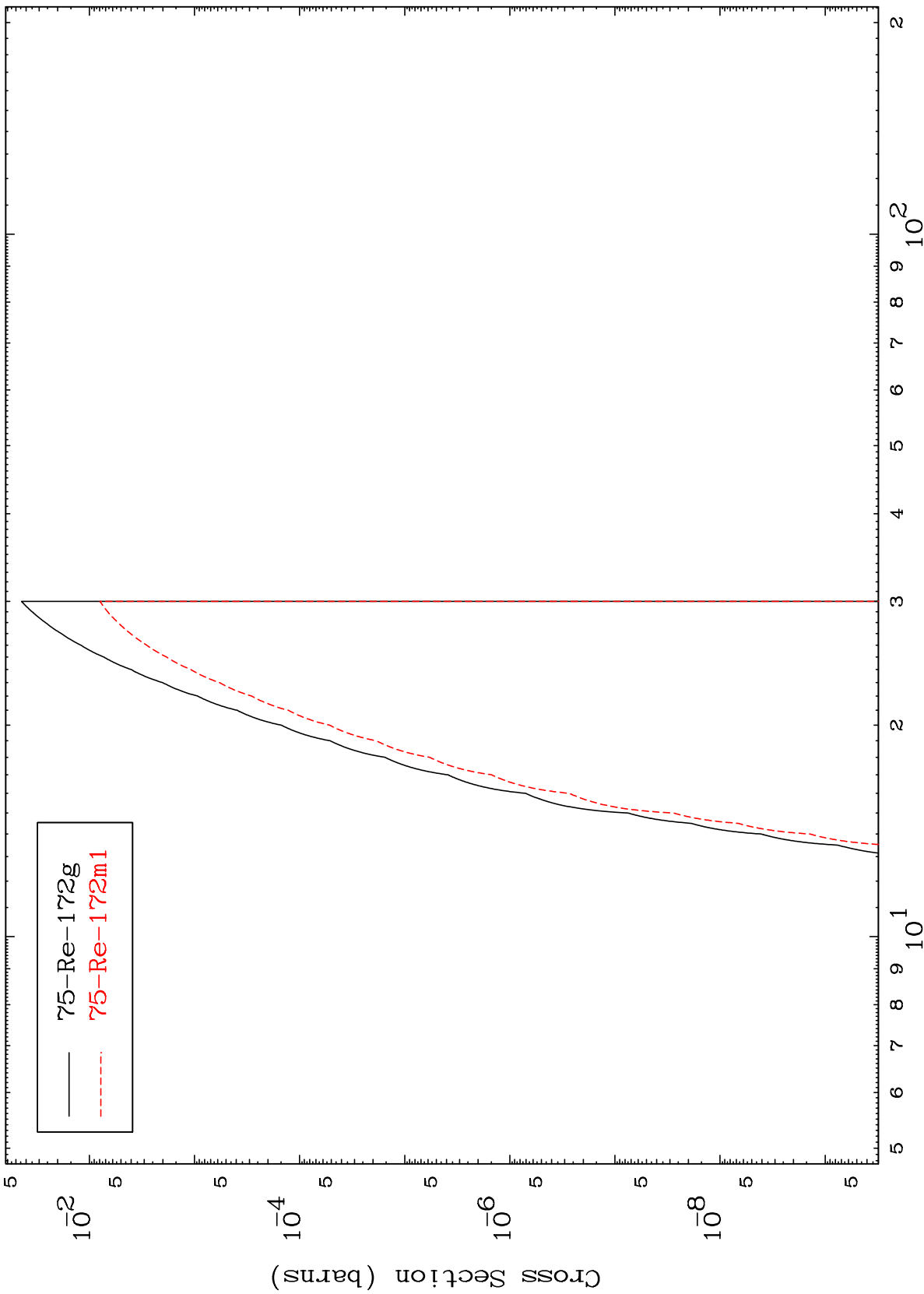


MAT 7683

$^{77}\text{Ir-177}$ α

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

Radionuclide Production Cross Section



67

Incident Energy (MeV)

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

MAT 7683

$(n, 3\alpha)$

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

Radionuclide Production Cross Section

