

Program EVALPLOT
(Version 2018-1)

by

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(Present Contact Information)

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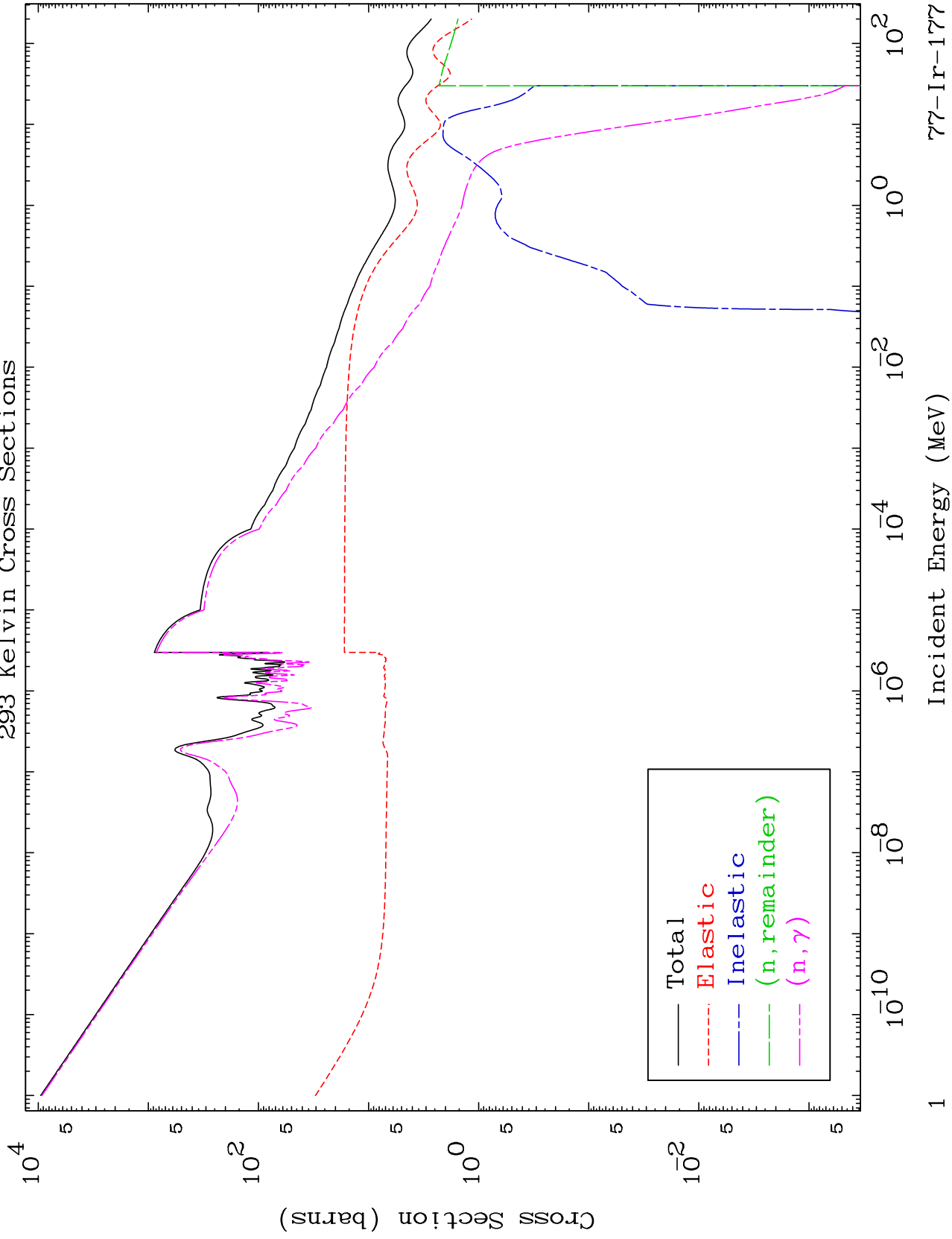
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7683

Major
293 Kelvin Cross Sections

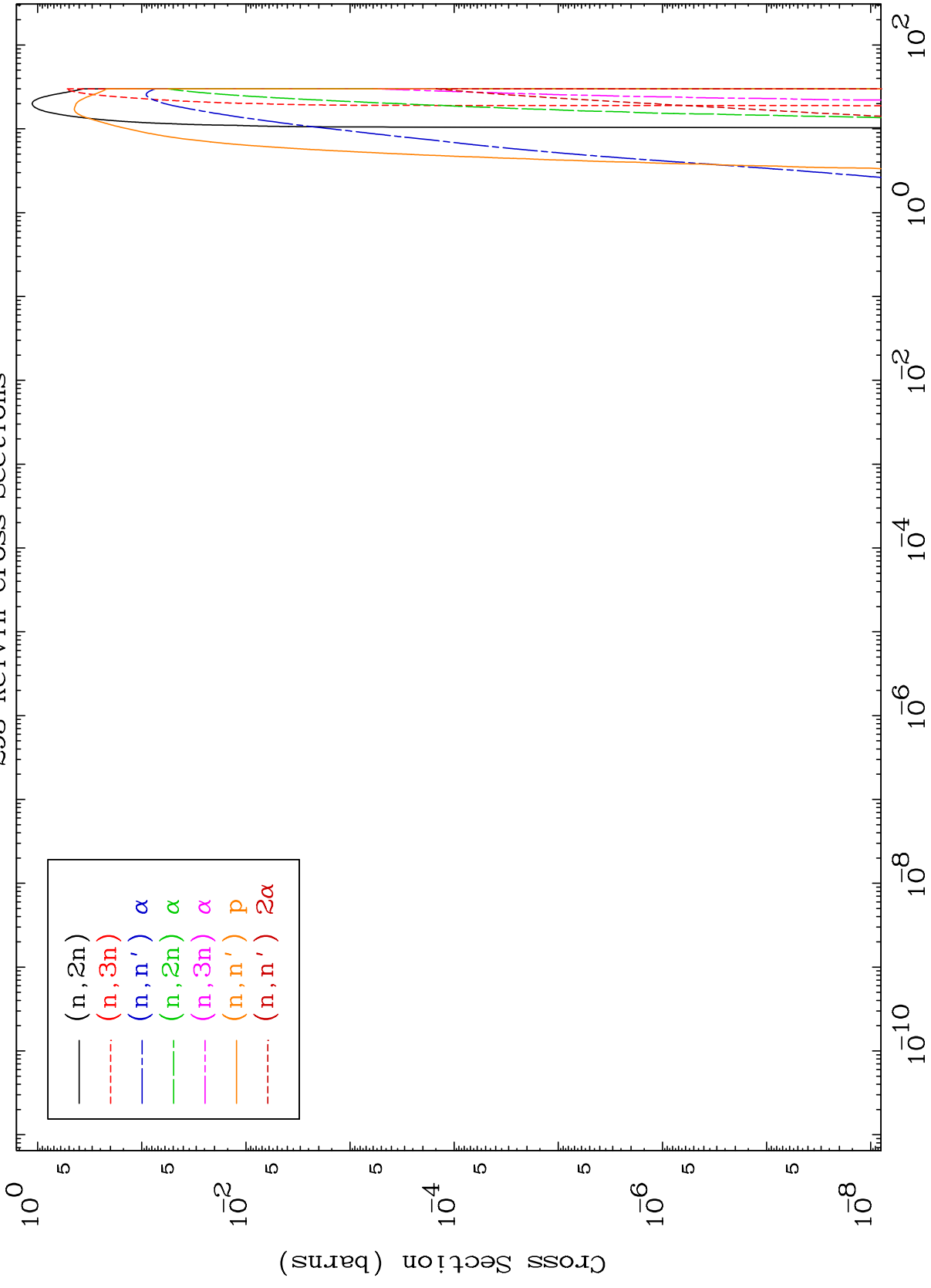
77-Ir-177



MAT 7683

Neutron Production
293 Kelvin Cross Sections

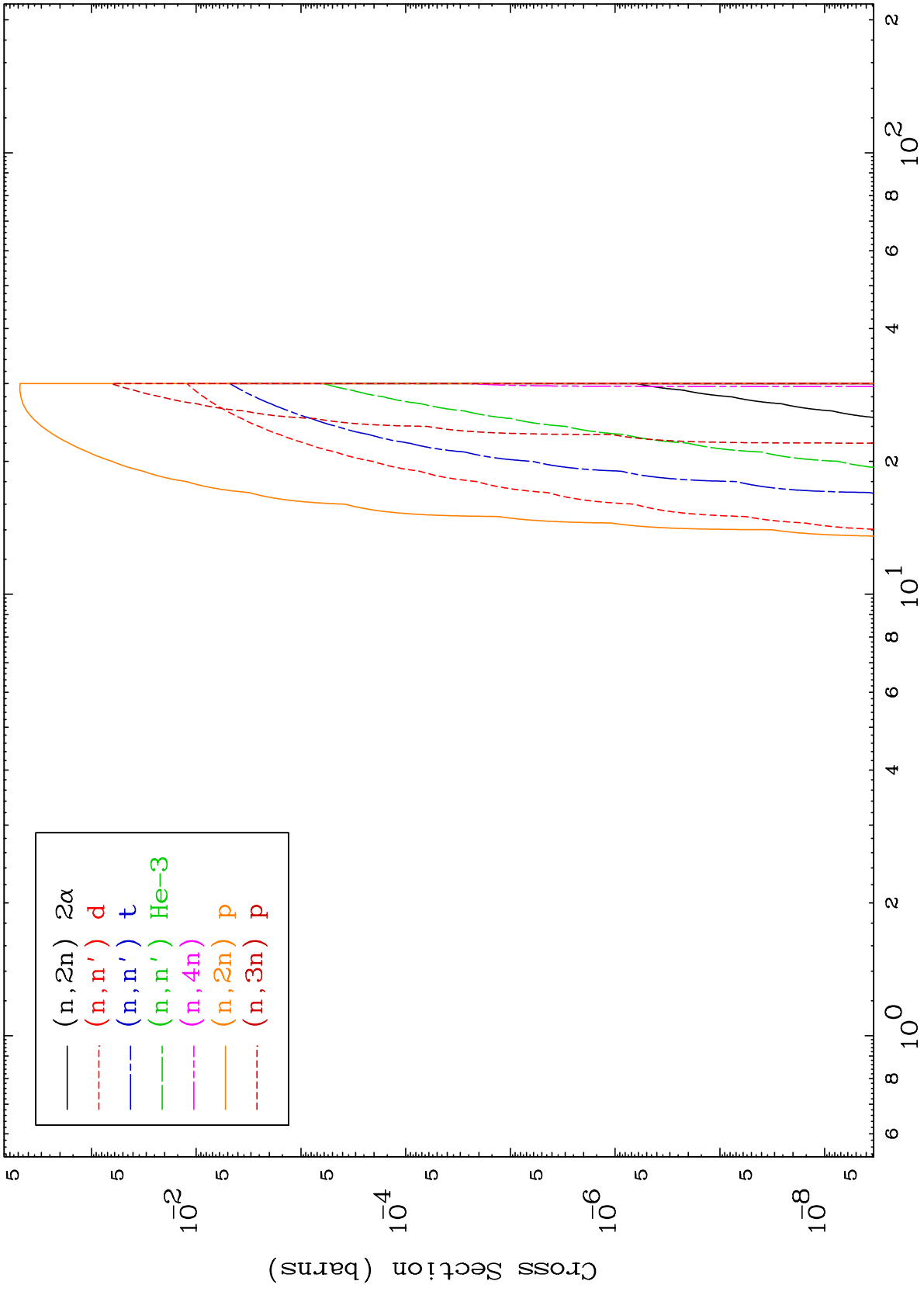
77-Ir-177



MAT 7683

Neutron Production
293 Kelvin Cross Sections

77-Ir-177



77-Ir-177

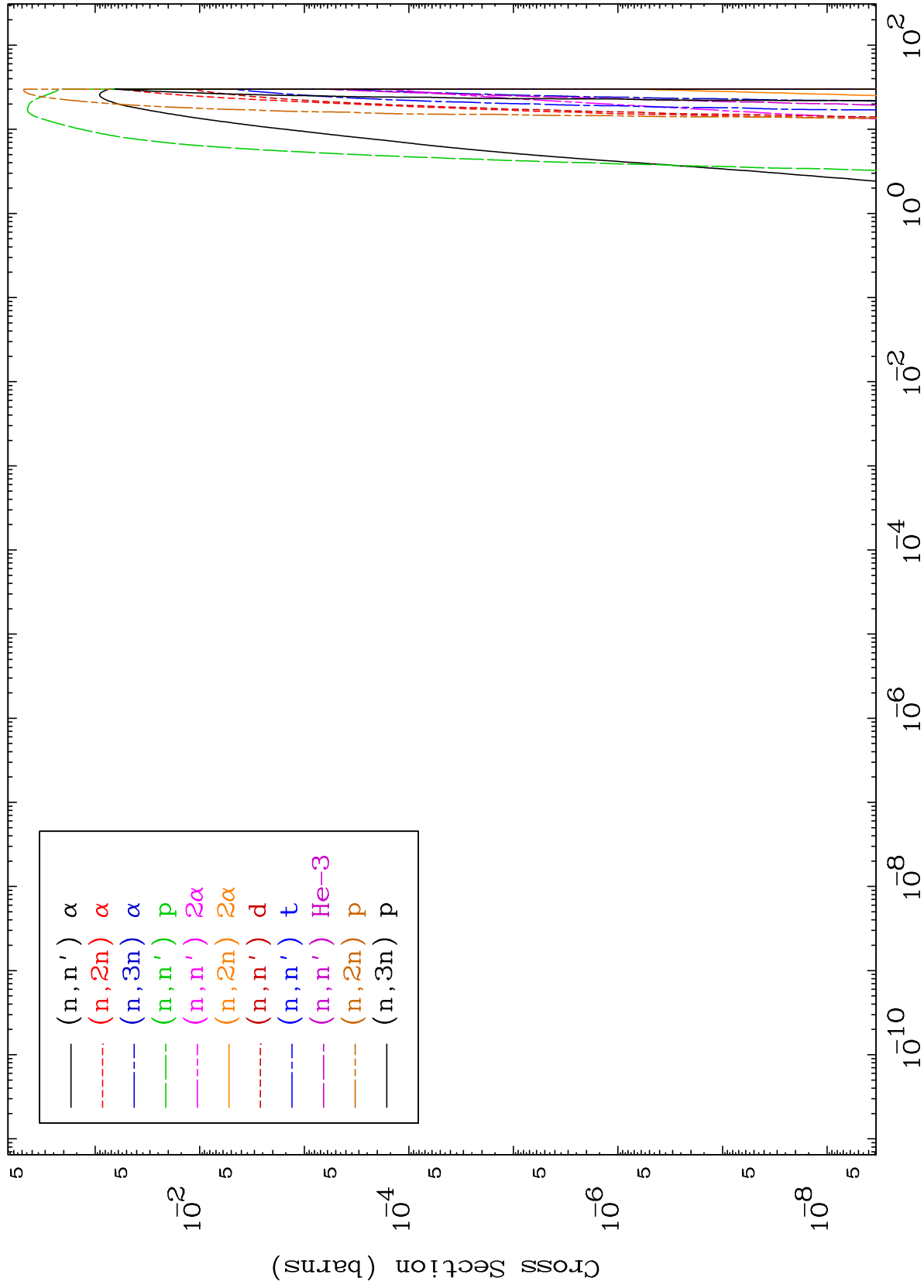
Incident Energy (MeV)

3

MAT 7683

293 Charged Particle
Kelvin Cross Sections

77-Ir-177



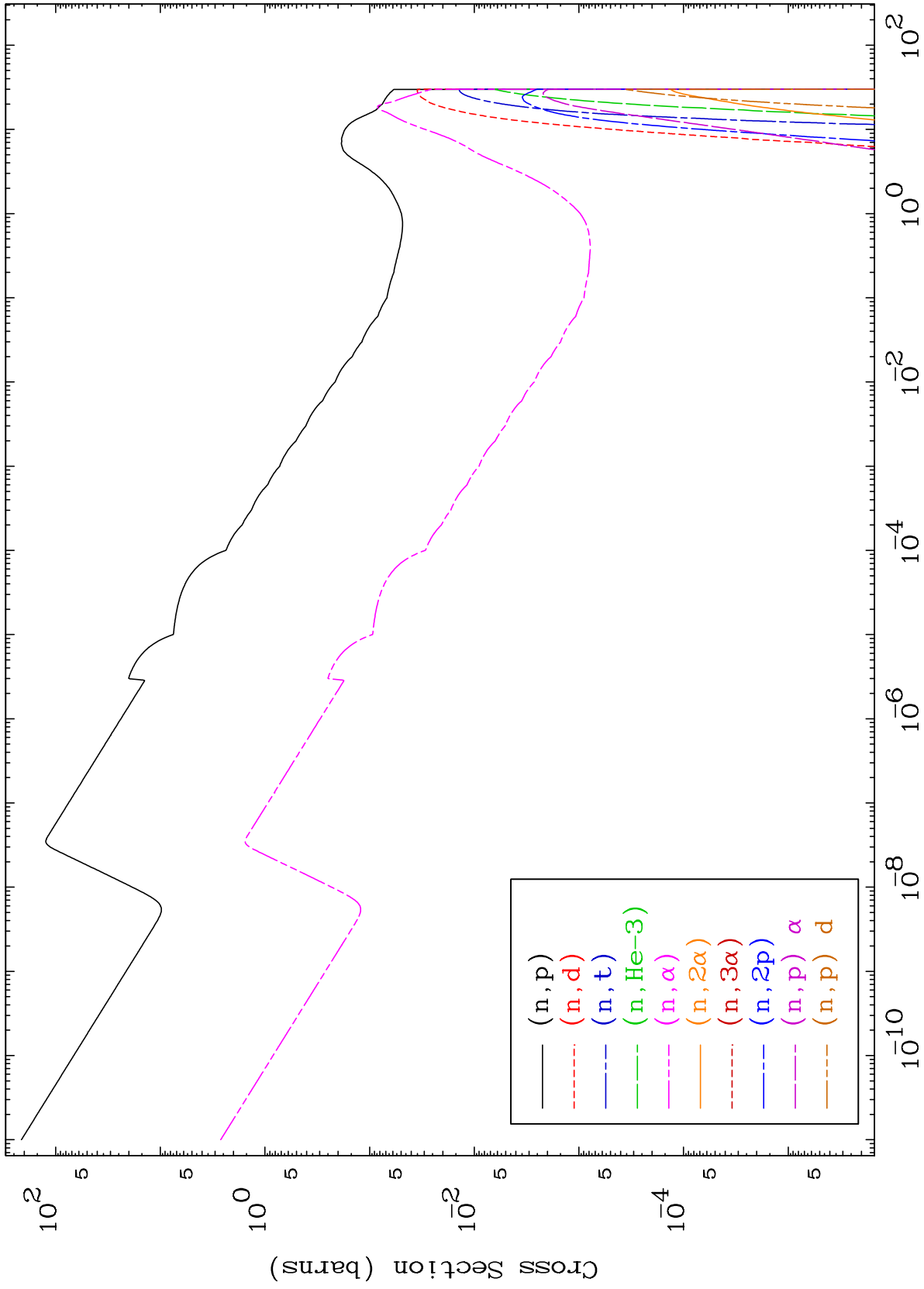
77-Ir-177

Incident Energy (MeV)

MAT 7683

Charged Particle
293 Kelvin Cross Sections

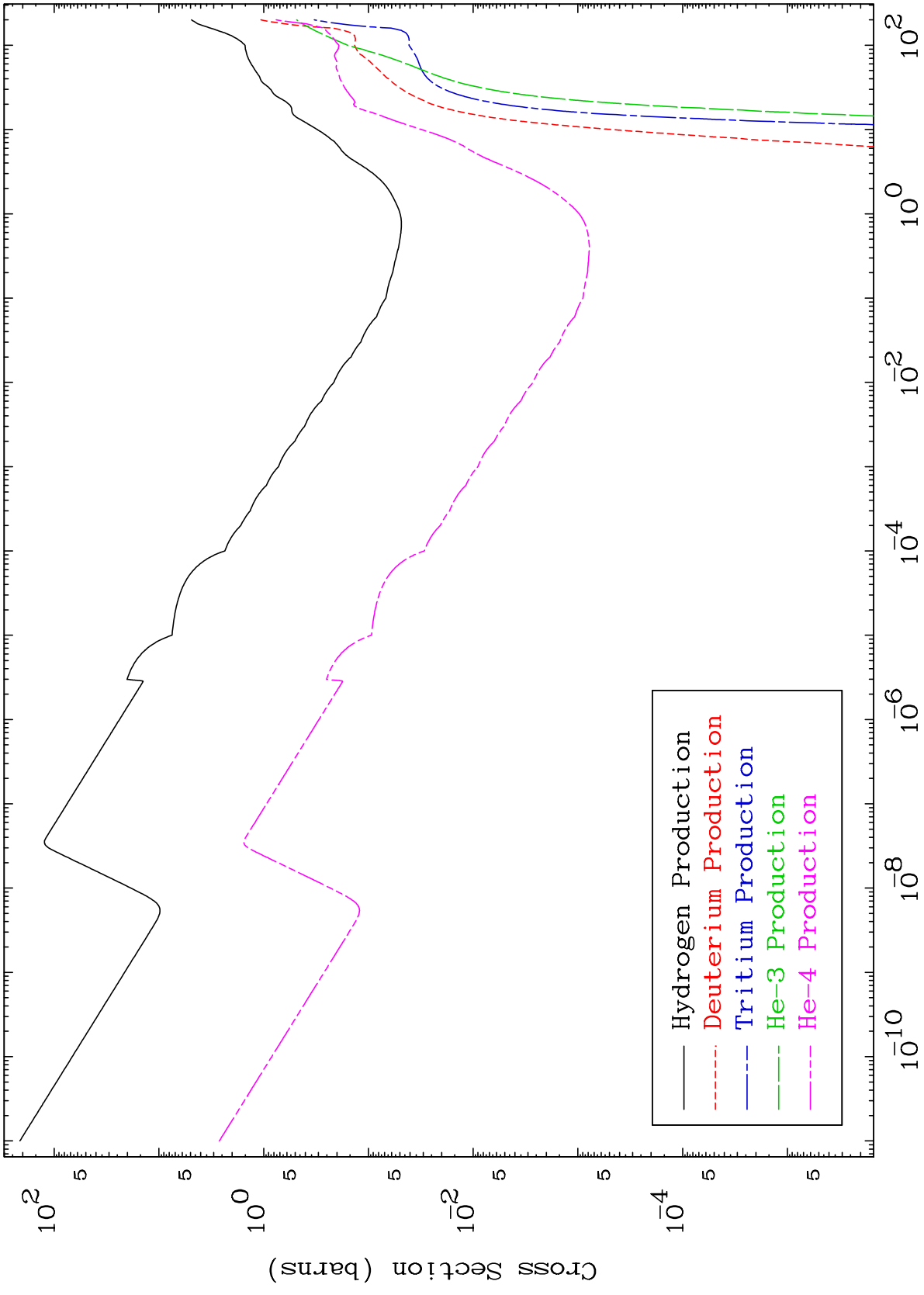
77-Ir-177



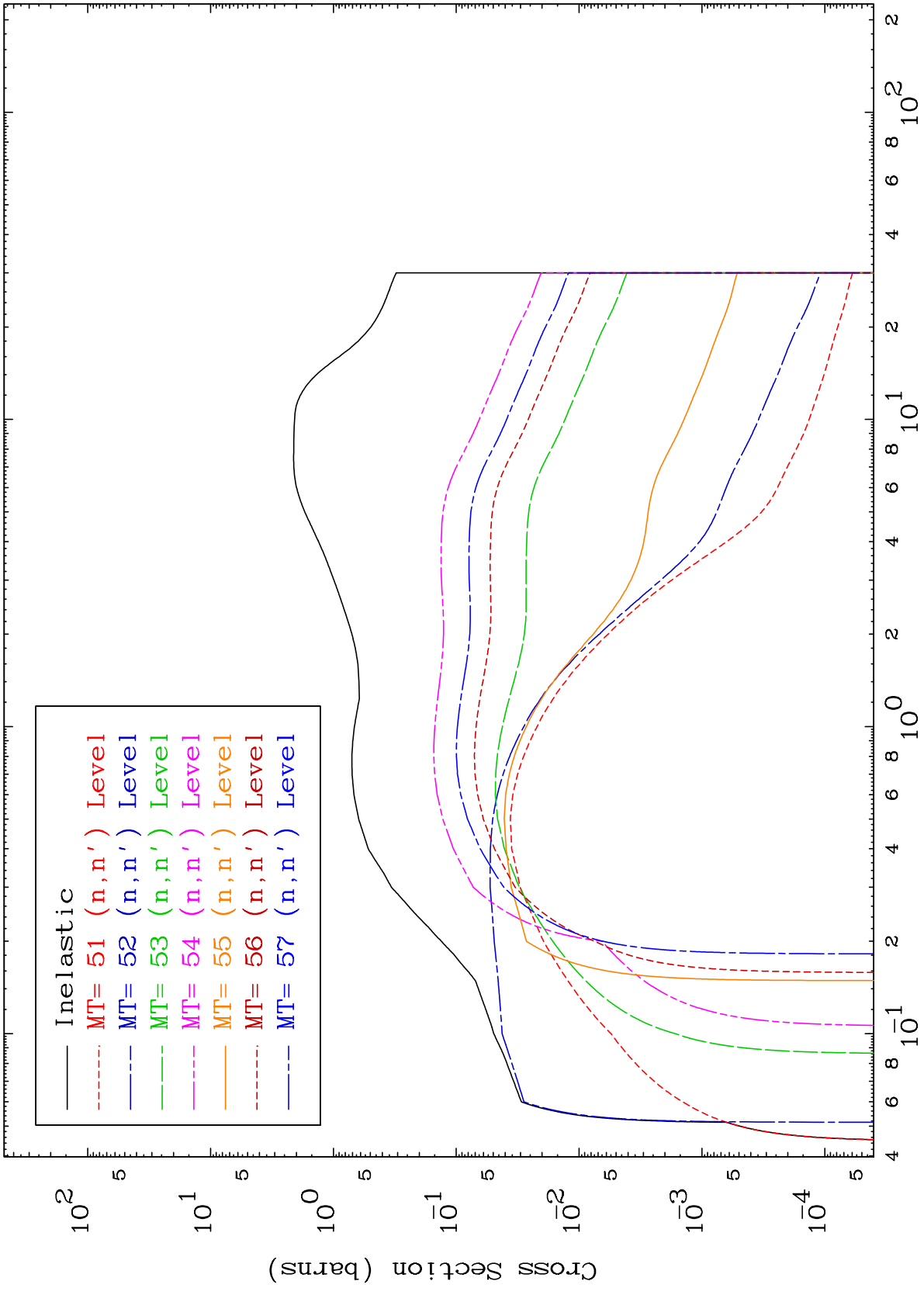
MAT 7683

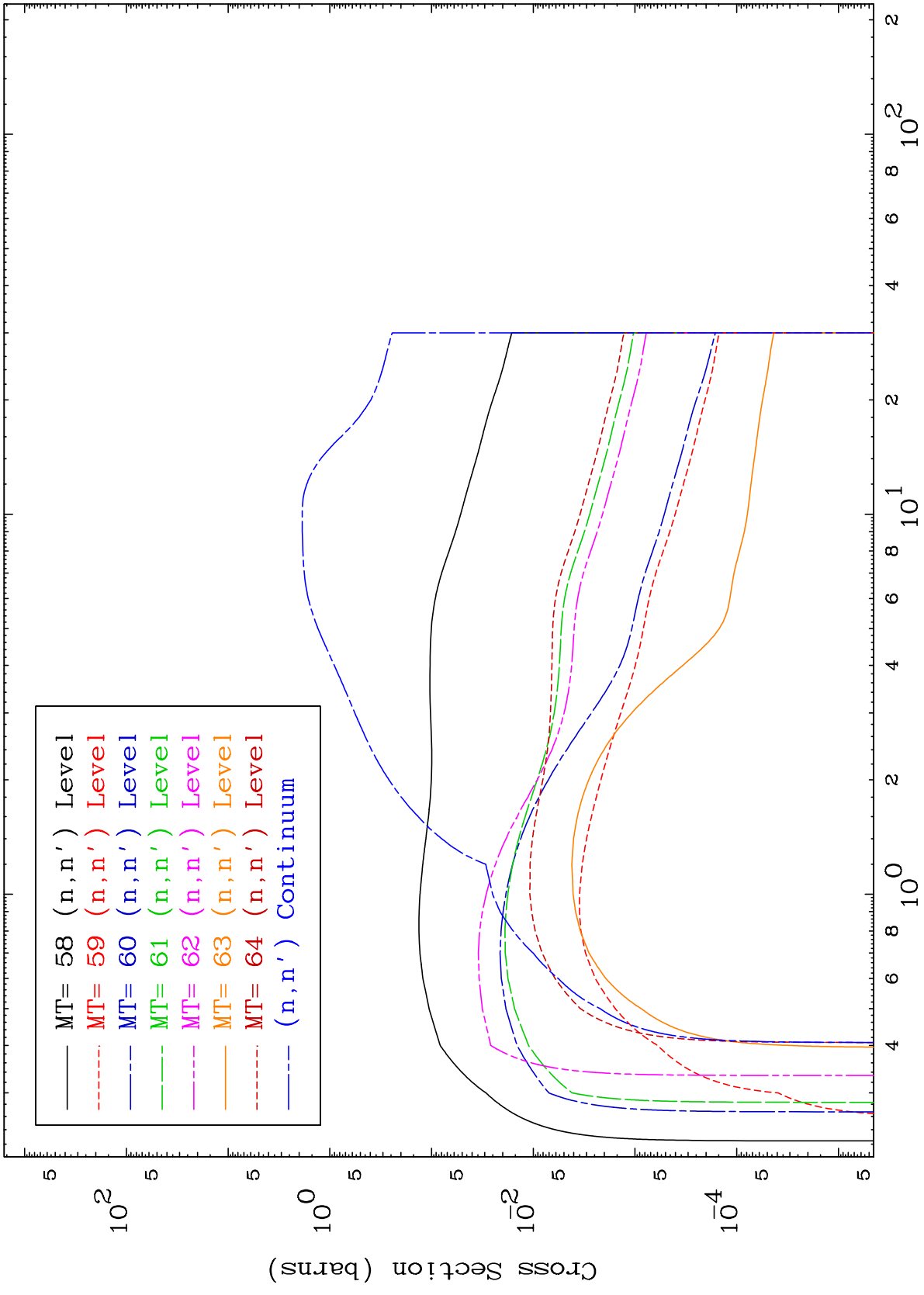
Particle Production
293 Kelvin Cross Sections

77-Ir-177



77-Ir-177

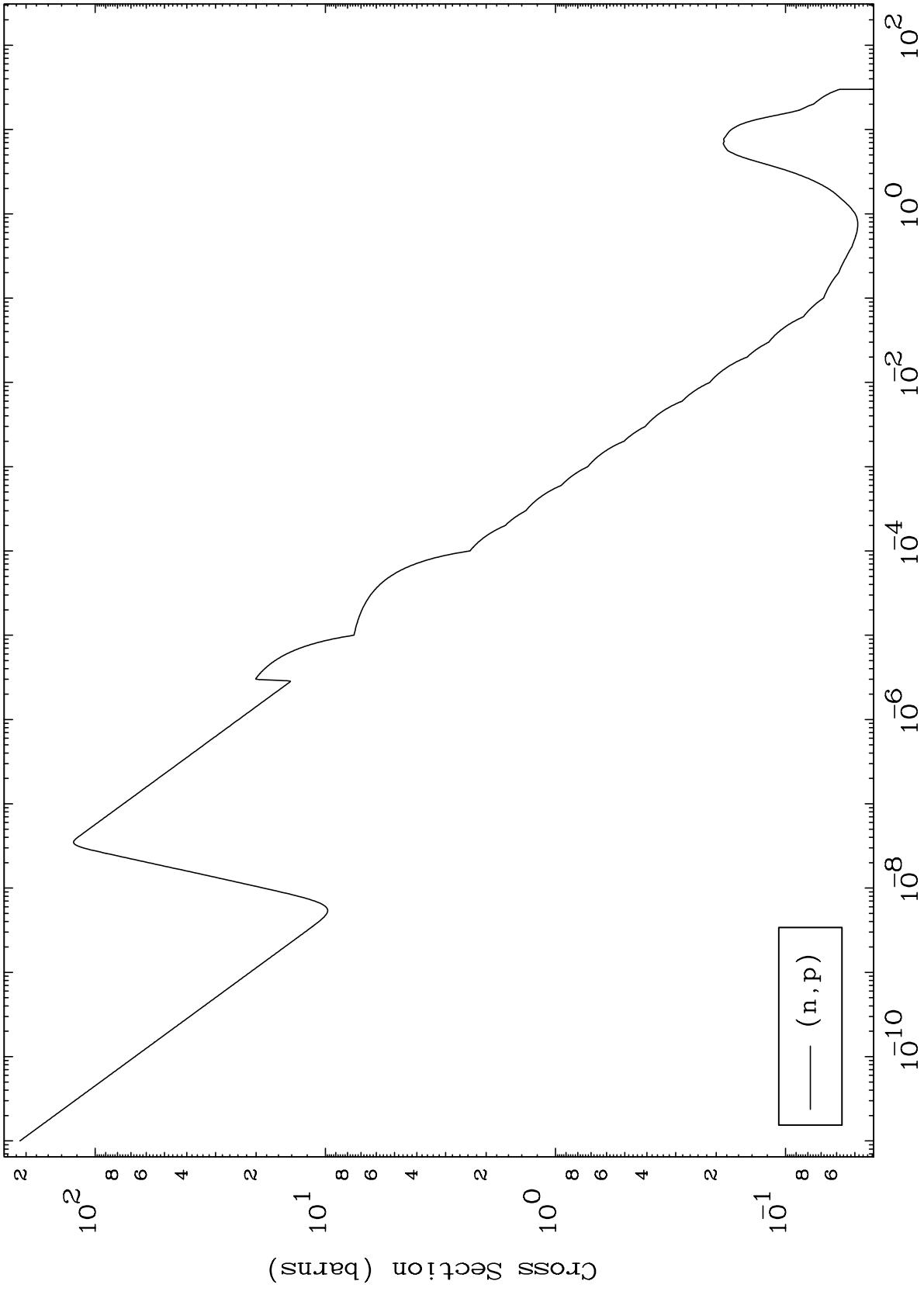




MAT 7683

(n,p) Levels
293 Kelvin Cross Sections

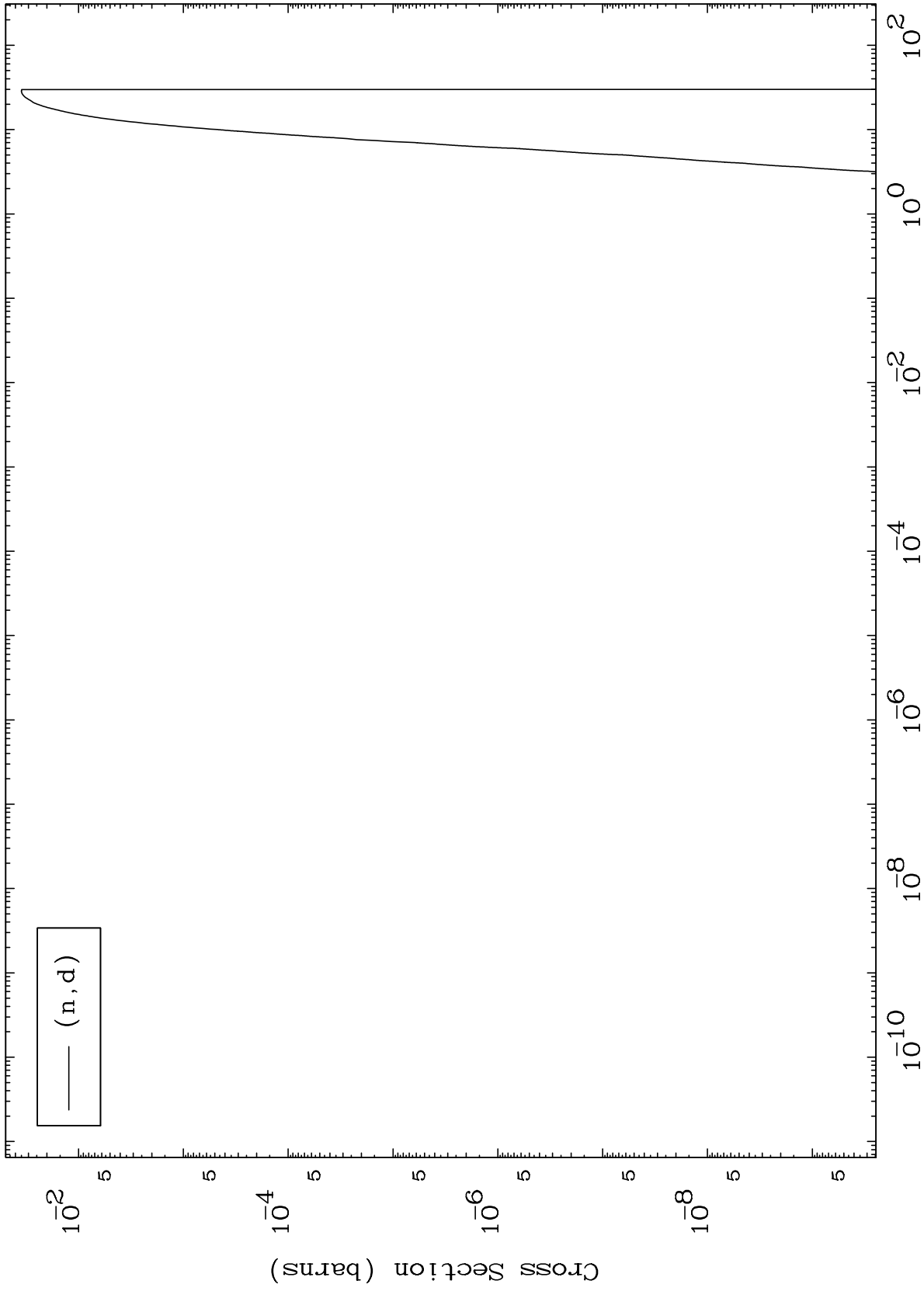
77-Ir-177



MAT 7683

(n,d) Levels
293 Kelvin Cross Sections

77-Ir-177



10

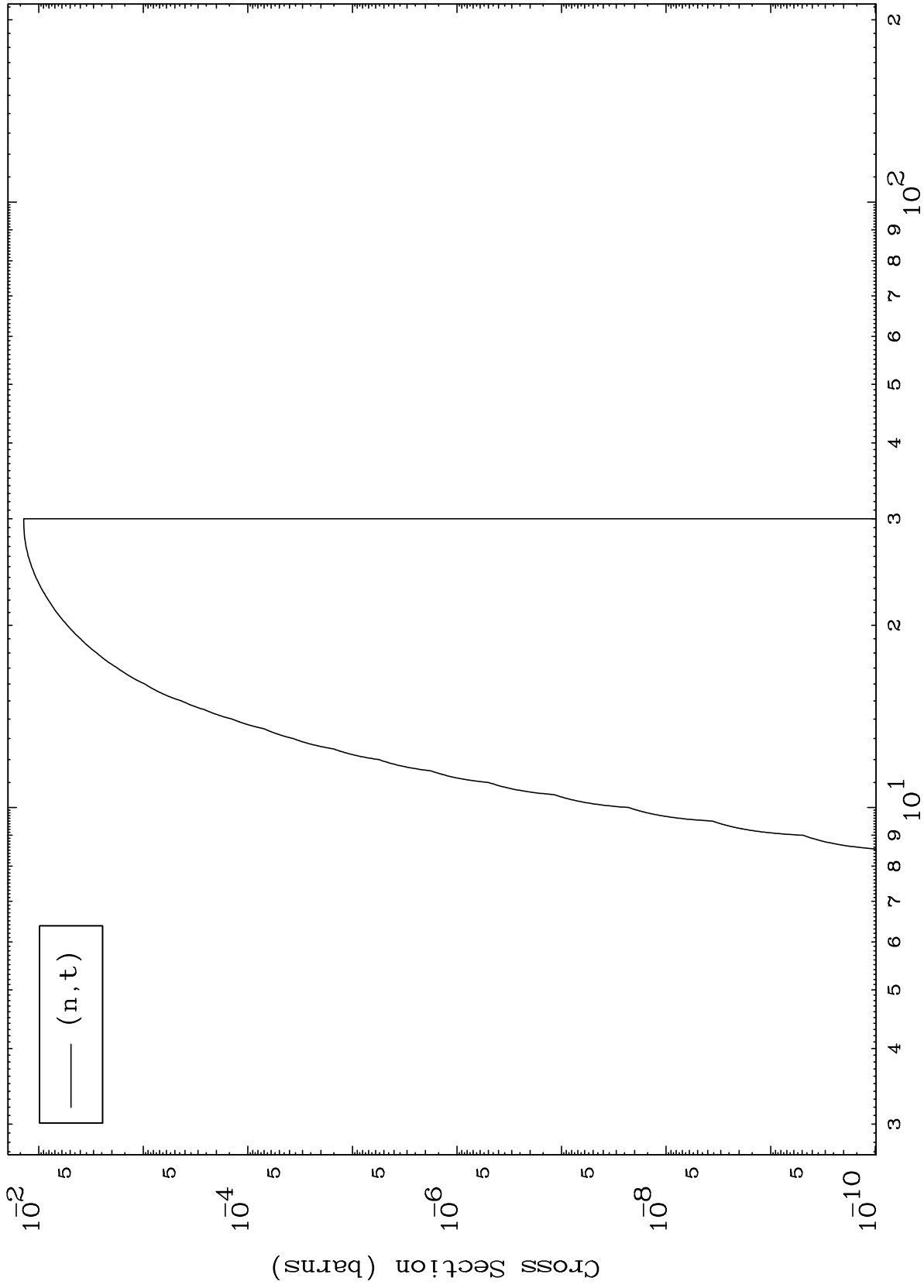
Incident Energy (MeV)

77-Ir-177

MAT 7683

(n,t) Levels
293 Kelvin Cross Sections

77-Ir-177



11

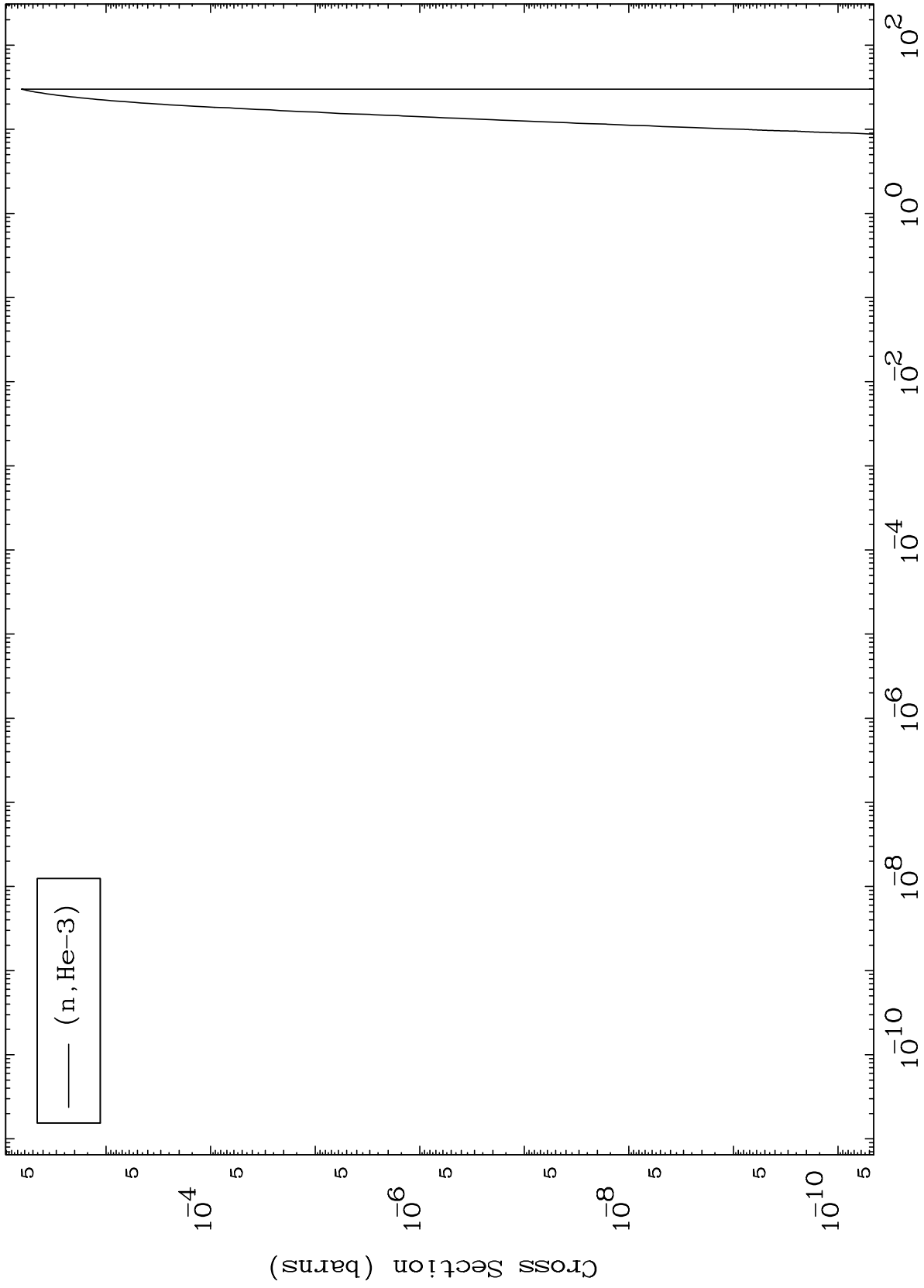
Incident Energy (MeV)

77-Ir-177

MAT 7683

(n,He3) Levels
293 Kelvin Cross Sections

77-Ir-177



12

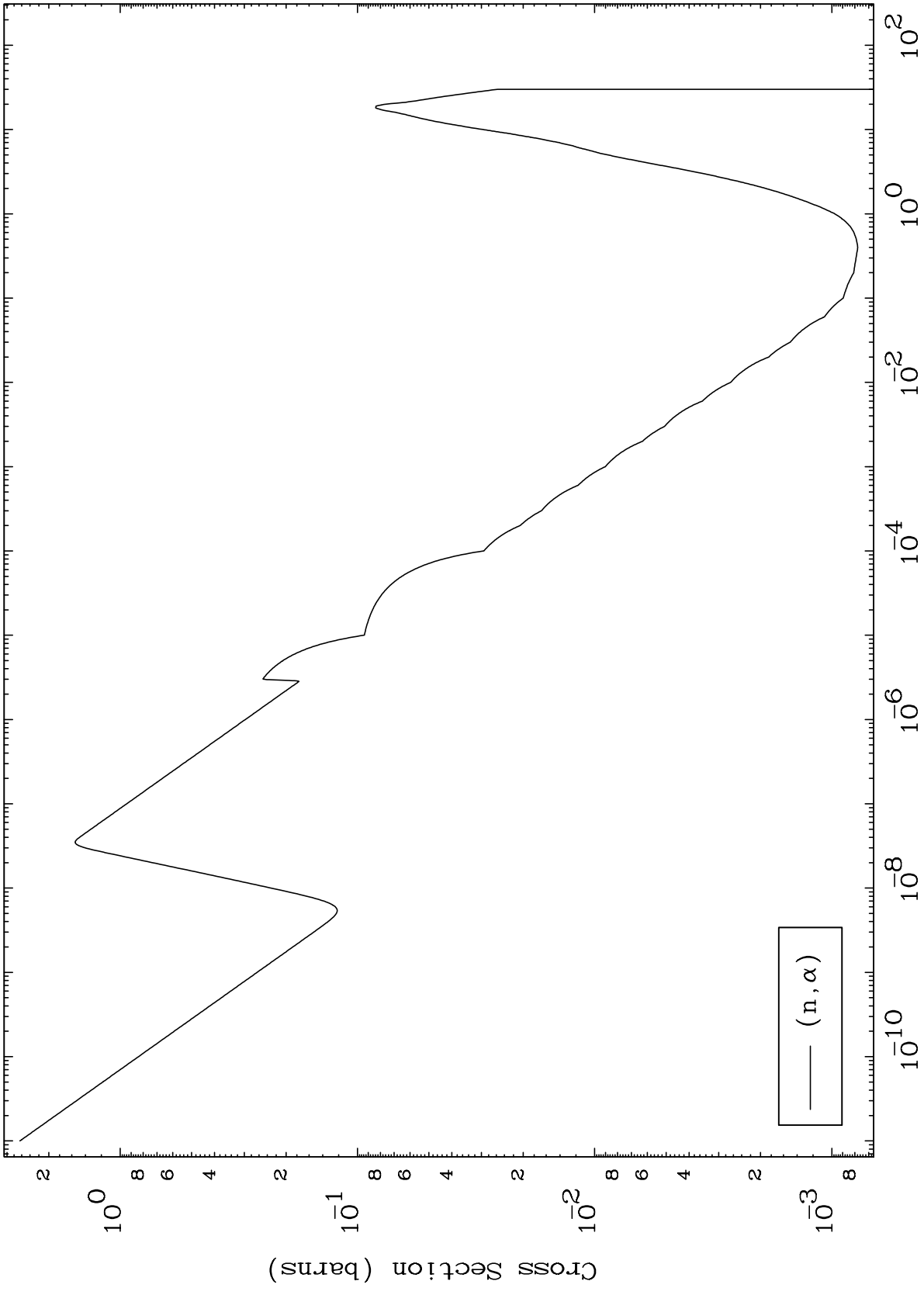
Incident Energy (MeV)

77-Ir-177

MAT 7683

(n,α) Levels
293 Kelvin Cross Sections

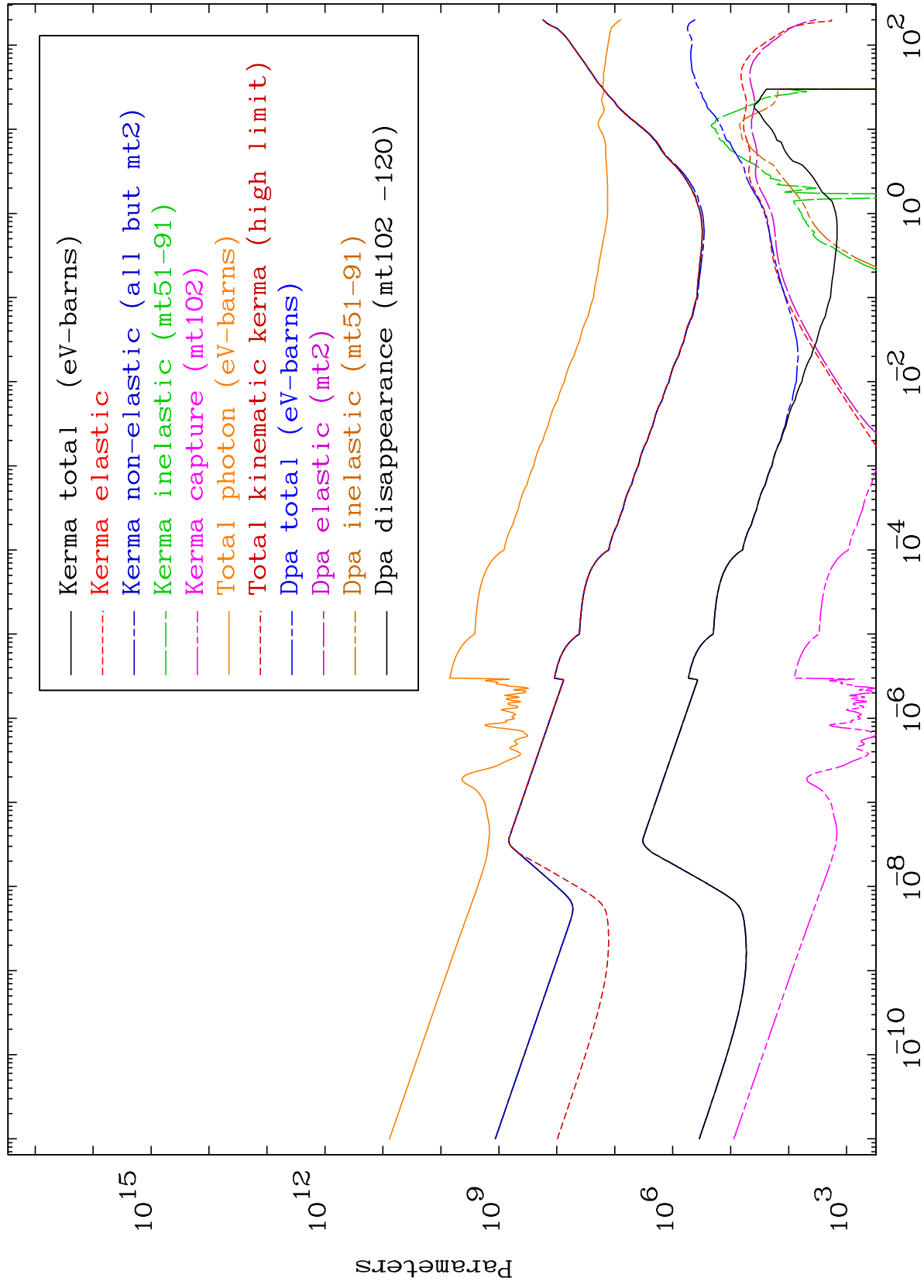
77-Ir-177



13

Incident Energy (MeV)

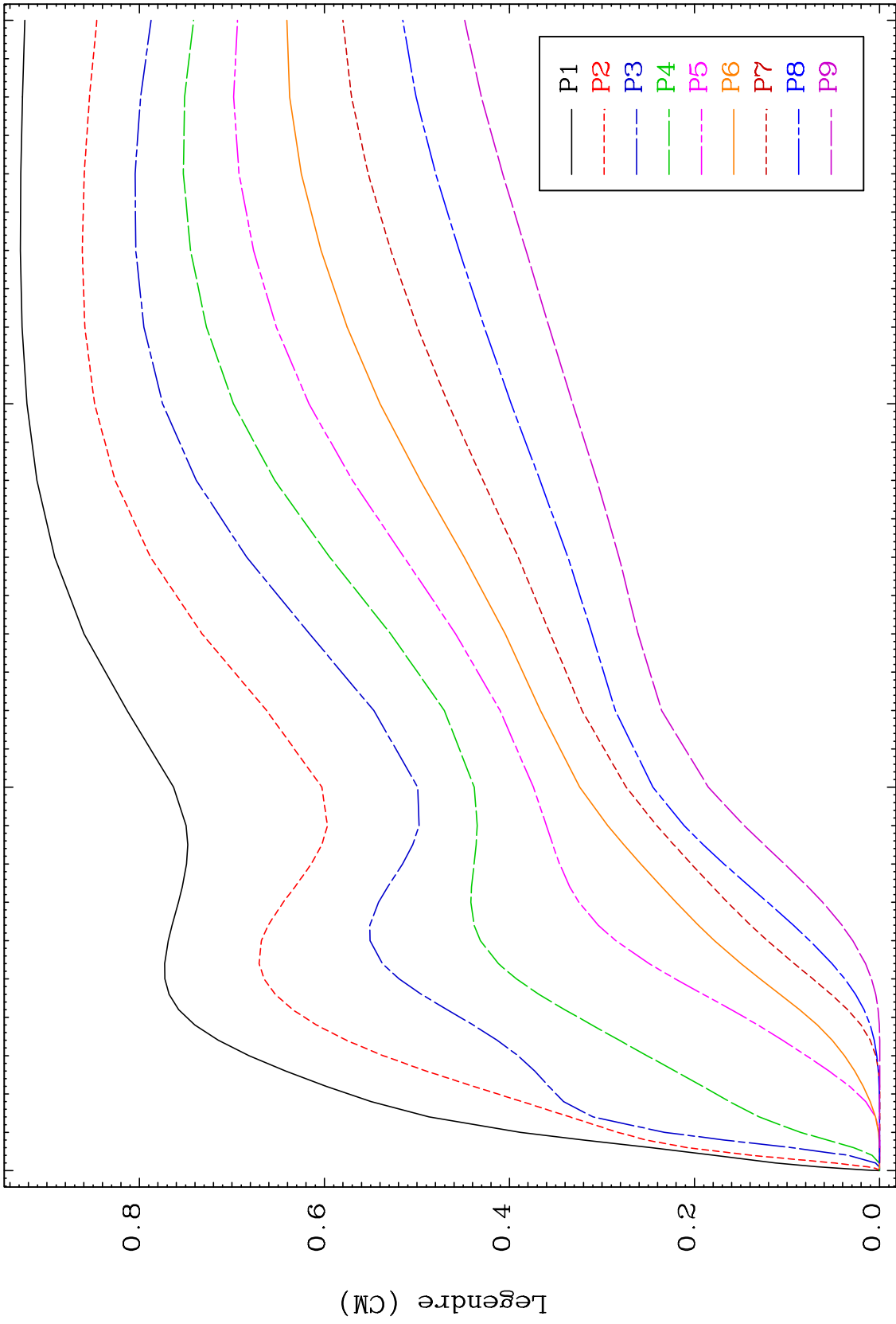
77-Ir-177



MAT 7683

Elastic Legendre Coefficients

77-Ir-177



0

15

10

20

30

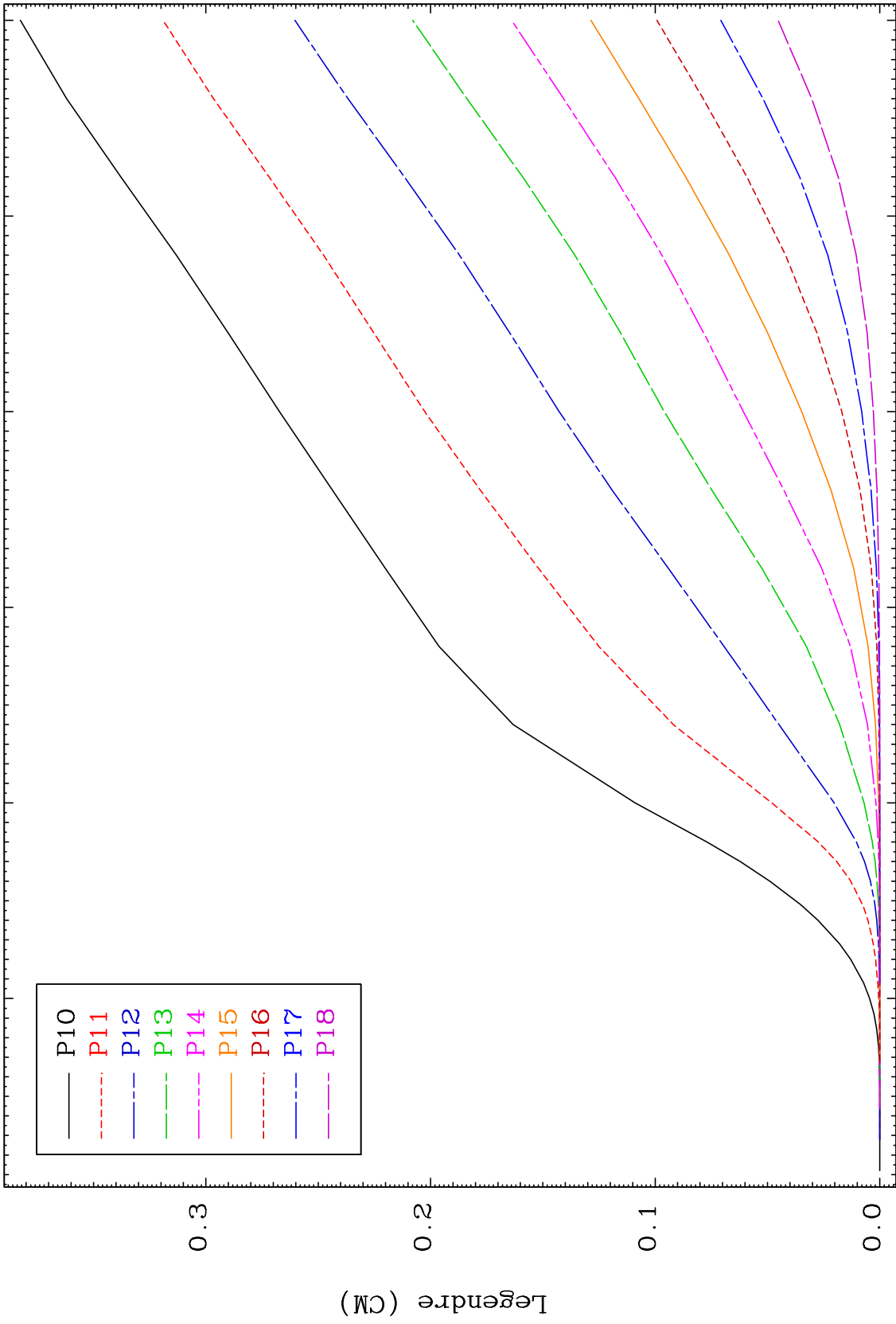
Incident Energy (MeV)

77-Ir-177

MAT 7683

Elastic Legendre Coefficients

77-Ir-177



16

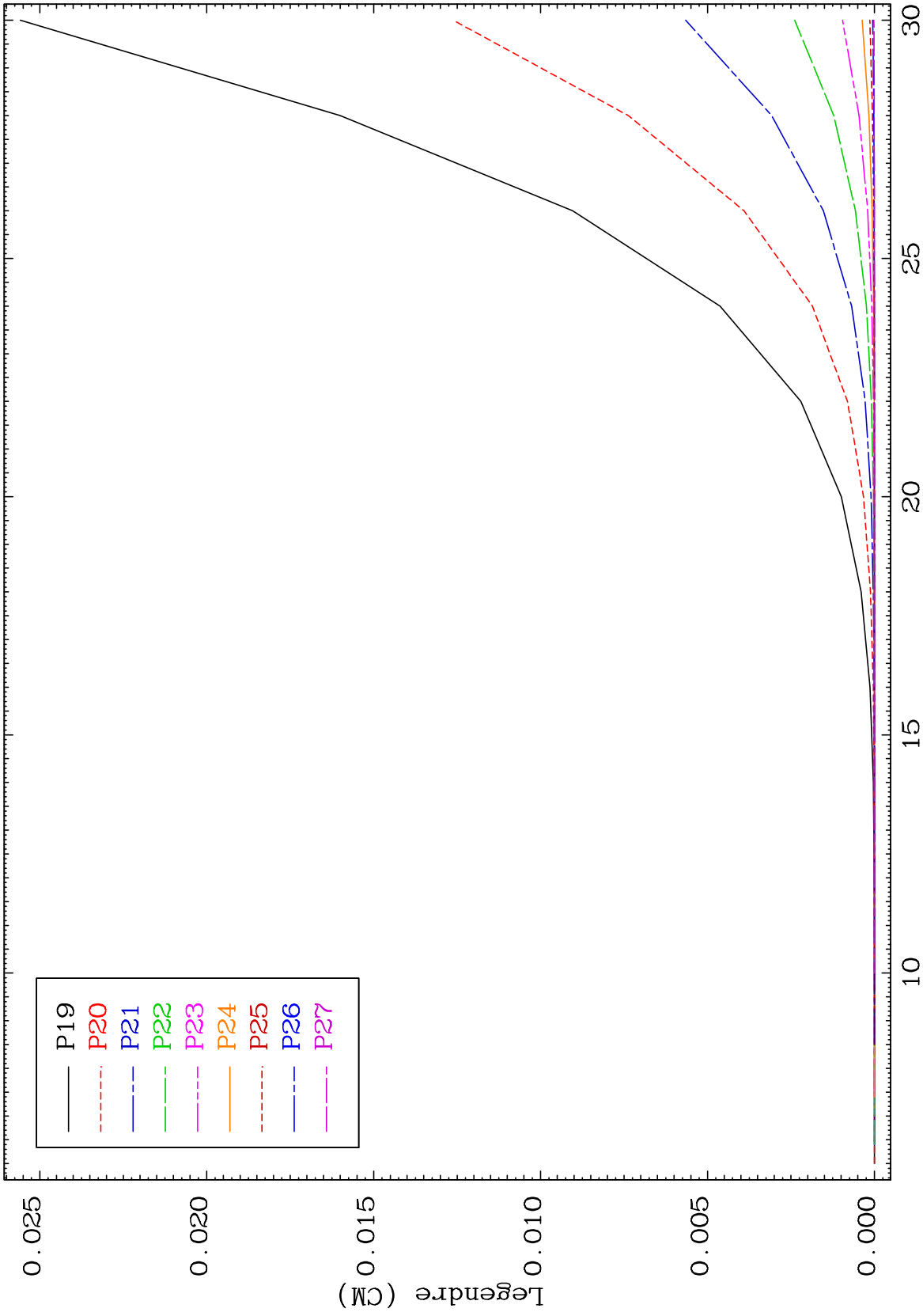
Incident Energy (MeV)

77-Ir-177

MAT 7683

Elastic Legendre Coefficients

77-Ir-177



17

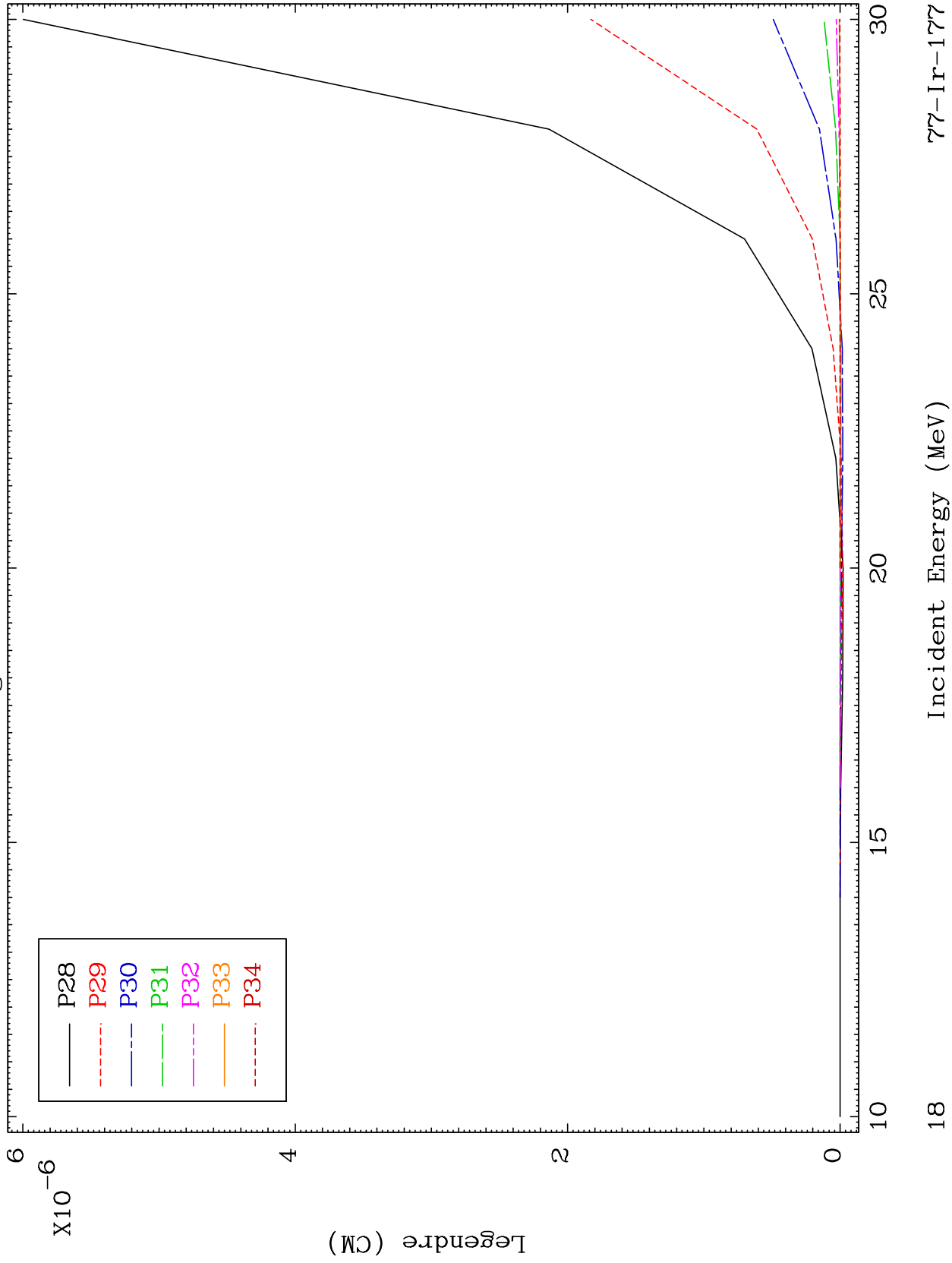
Incident Energy (MeV)

77-Ir-177

MAT 7683

Elastic Legendre Coefficients

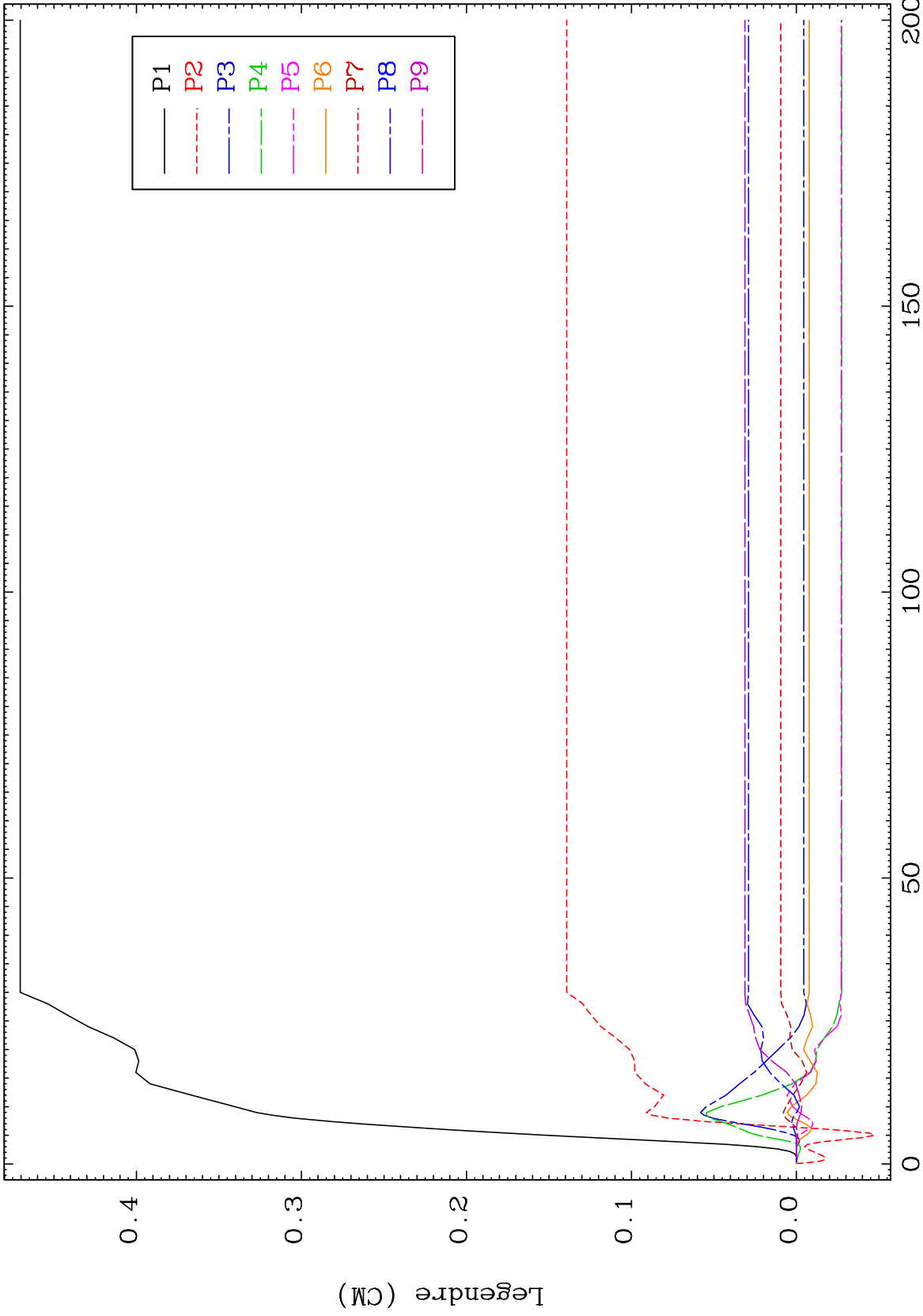
77-Ir-177



MAT 7683

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

77-Ir-177



19

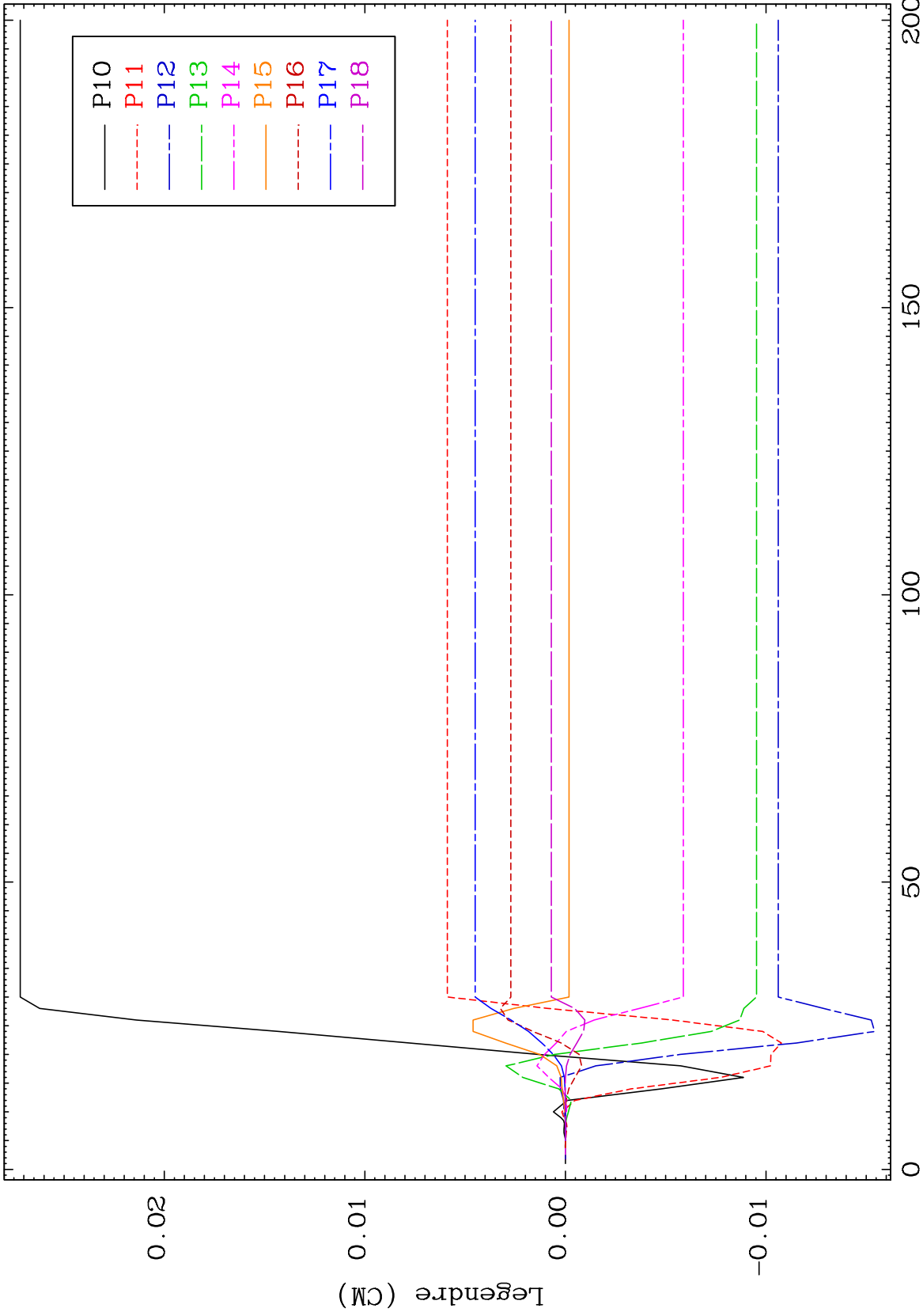
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



0

0.01

0.02

Legendre (CM)

50

100

150

200

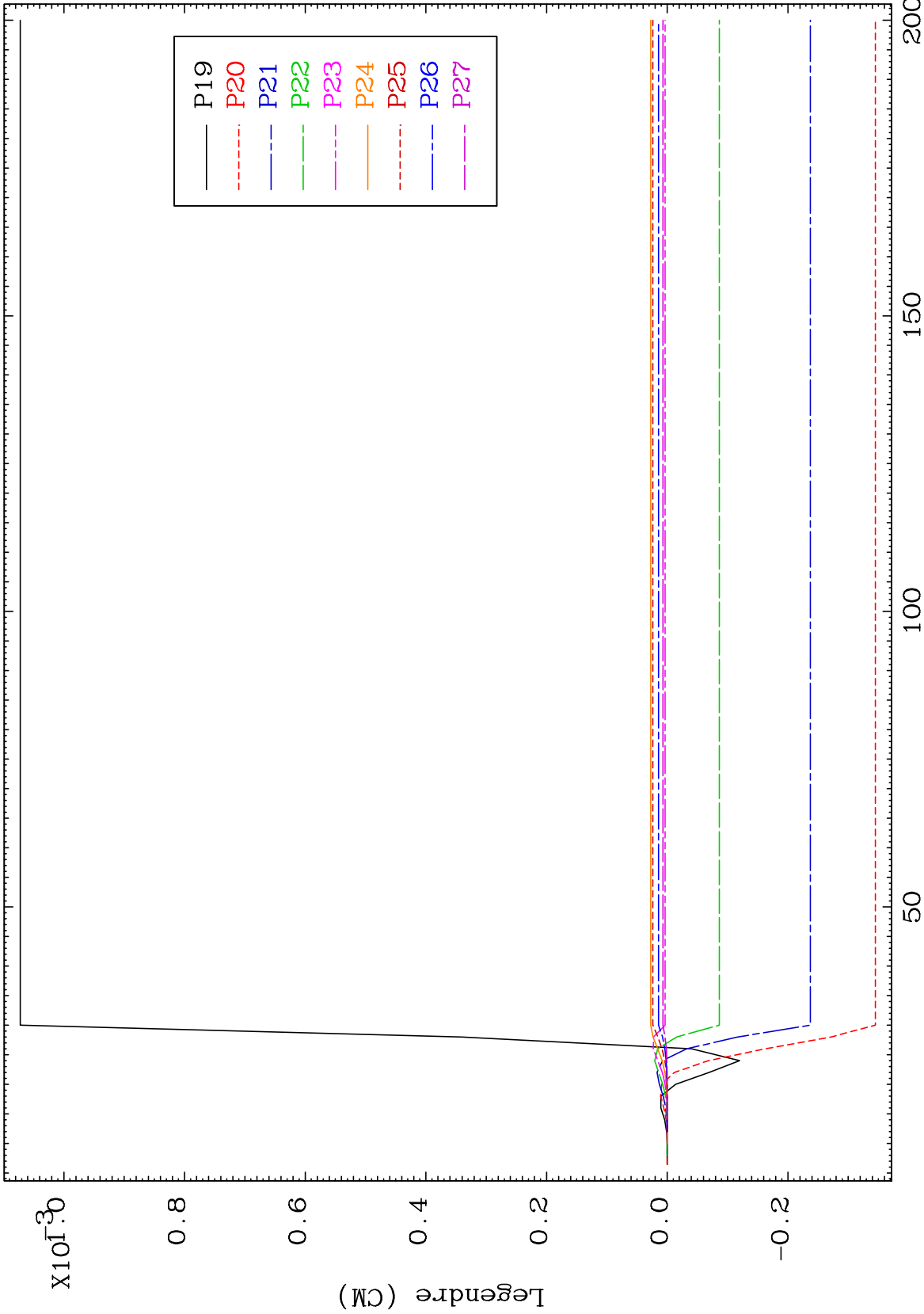
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



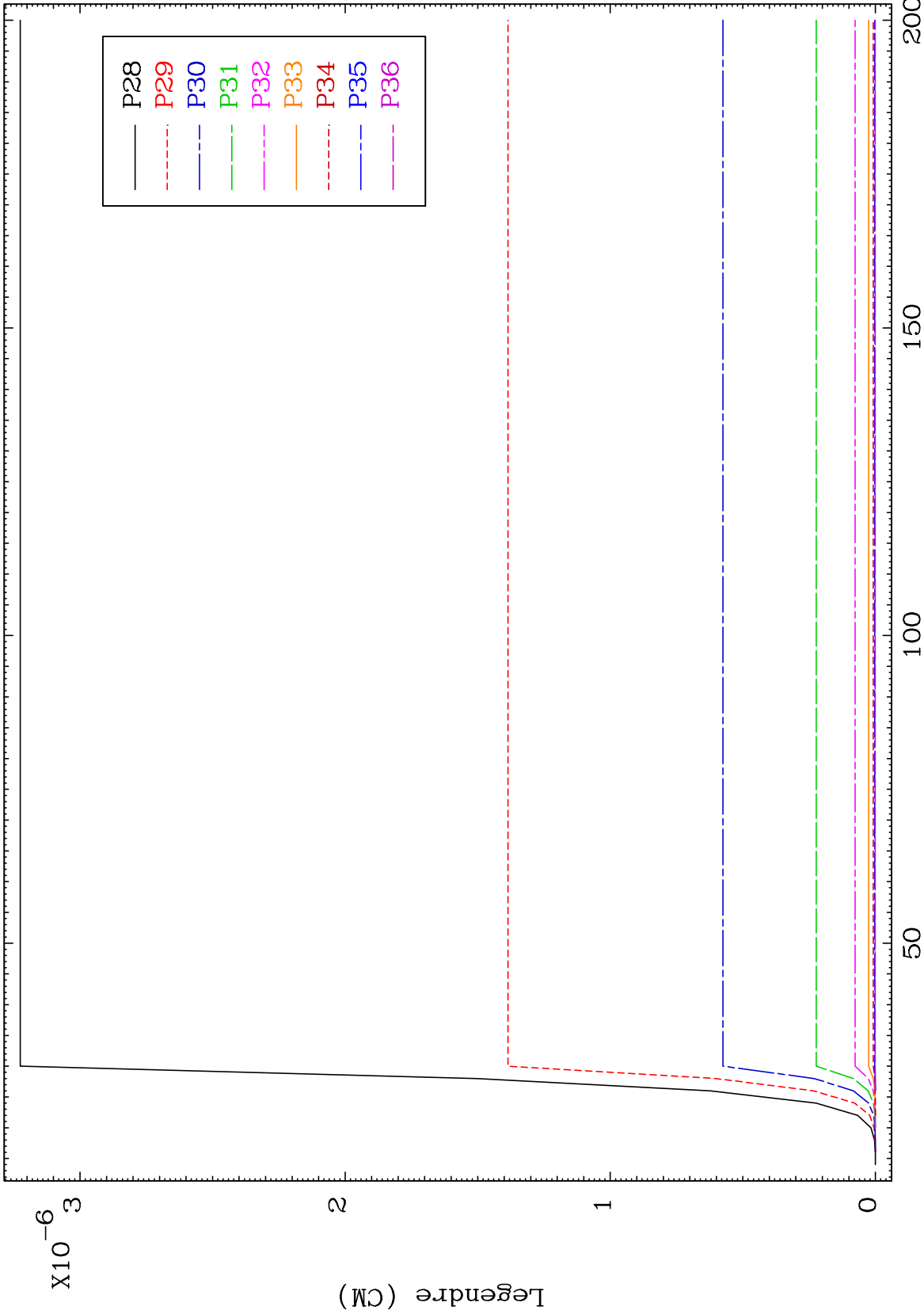
21

77-Ir-177

MAT 7683

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

77-Ir-177



22

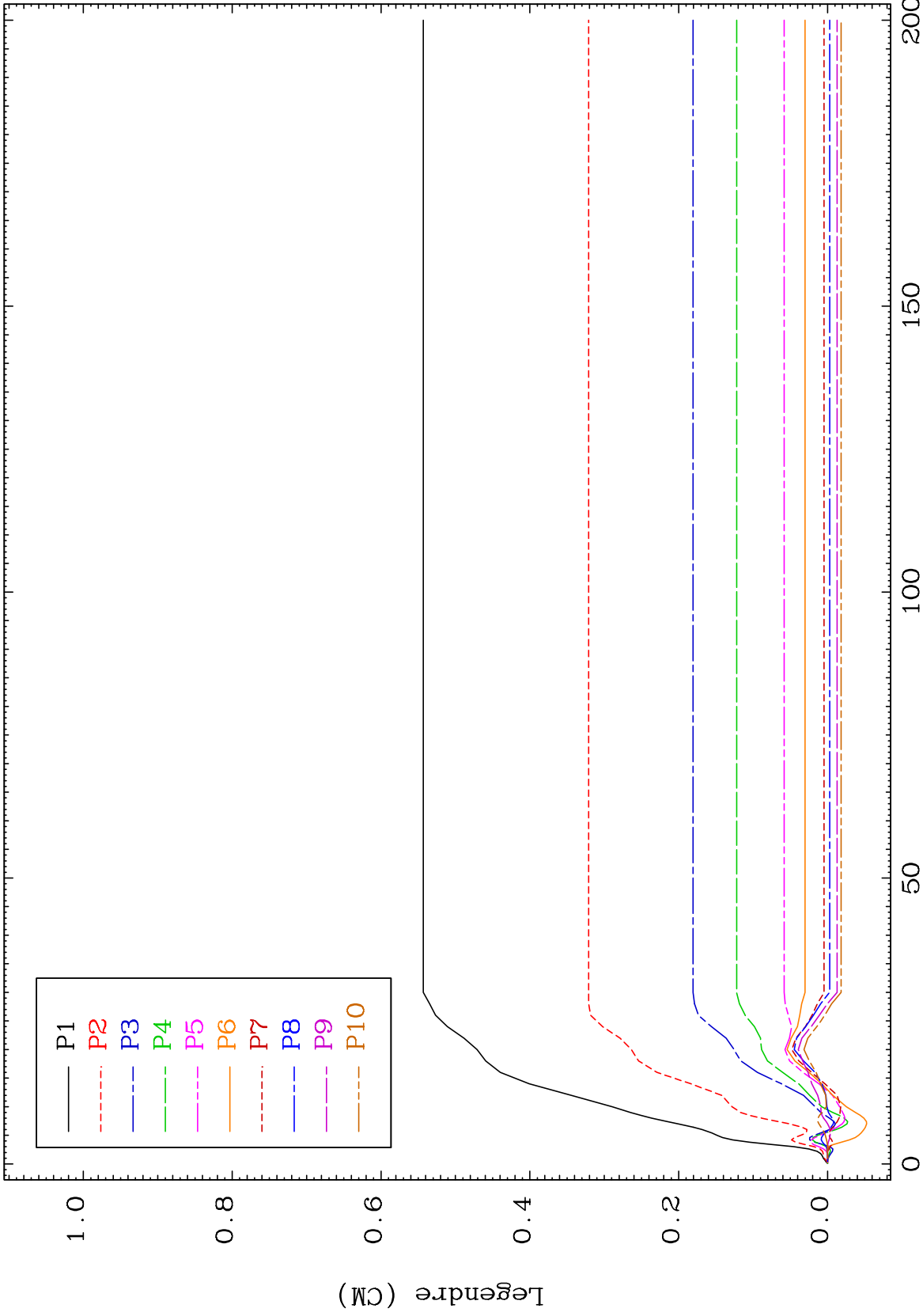
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



23

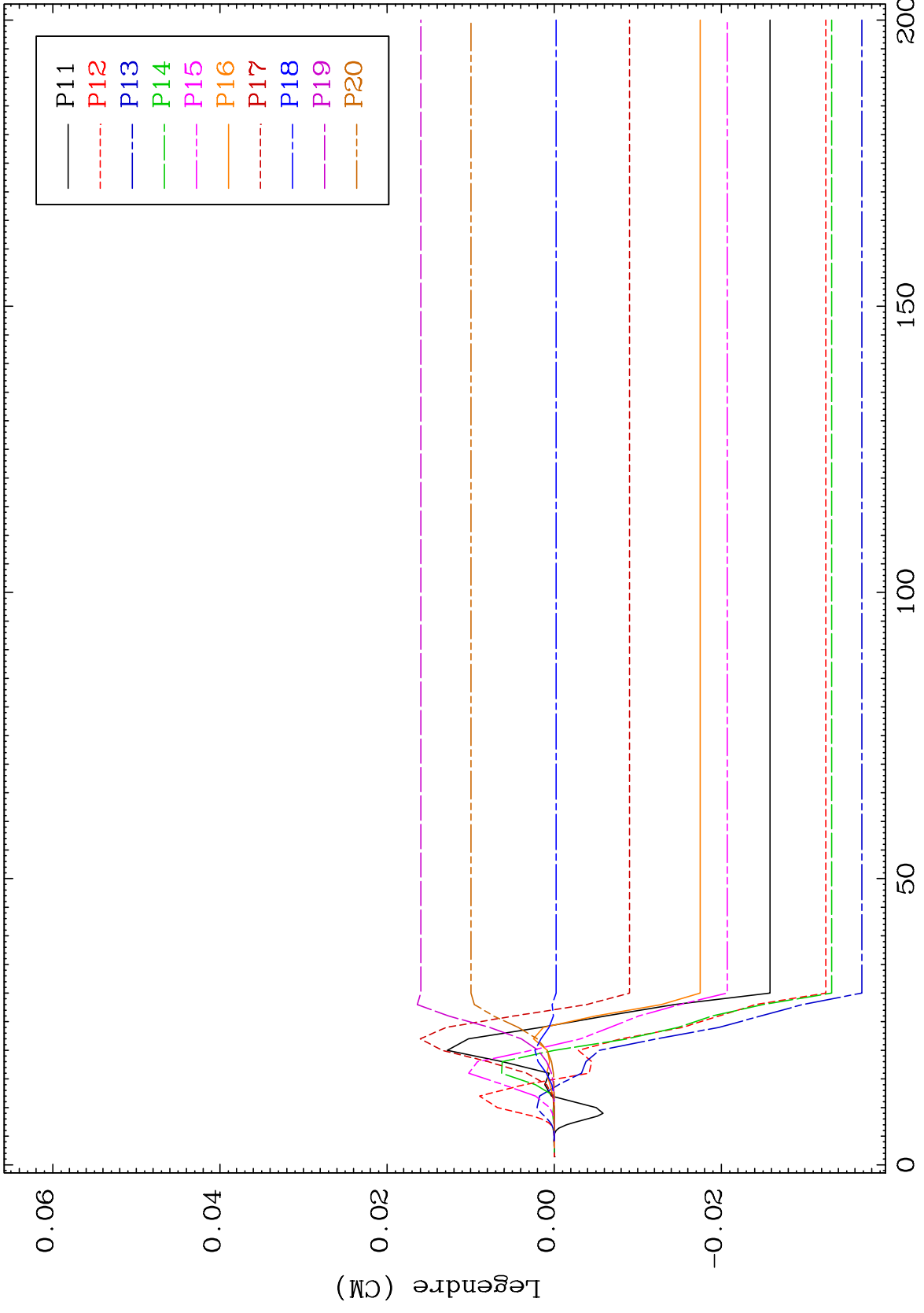
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



24

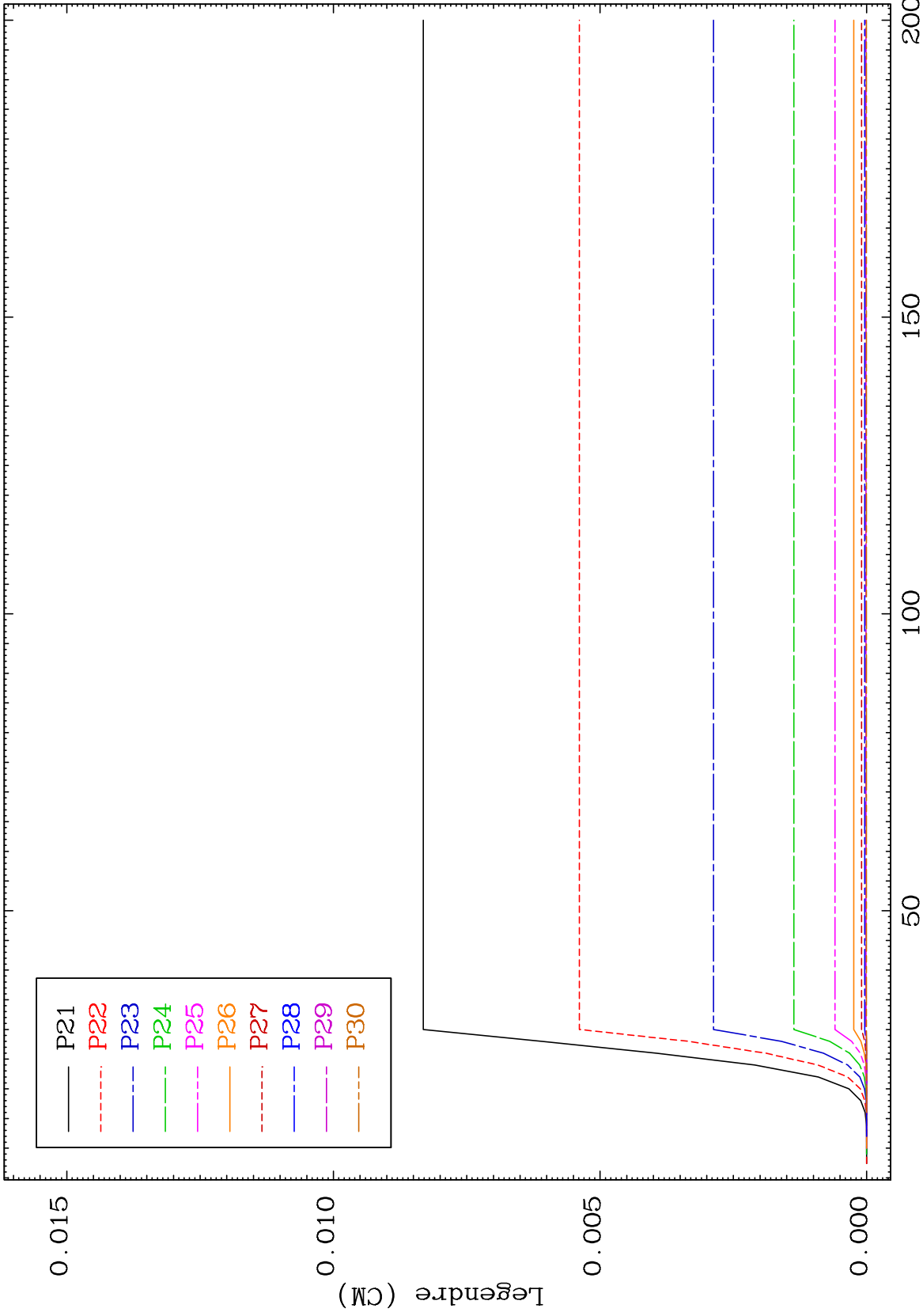
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



25

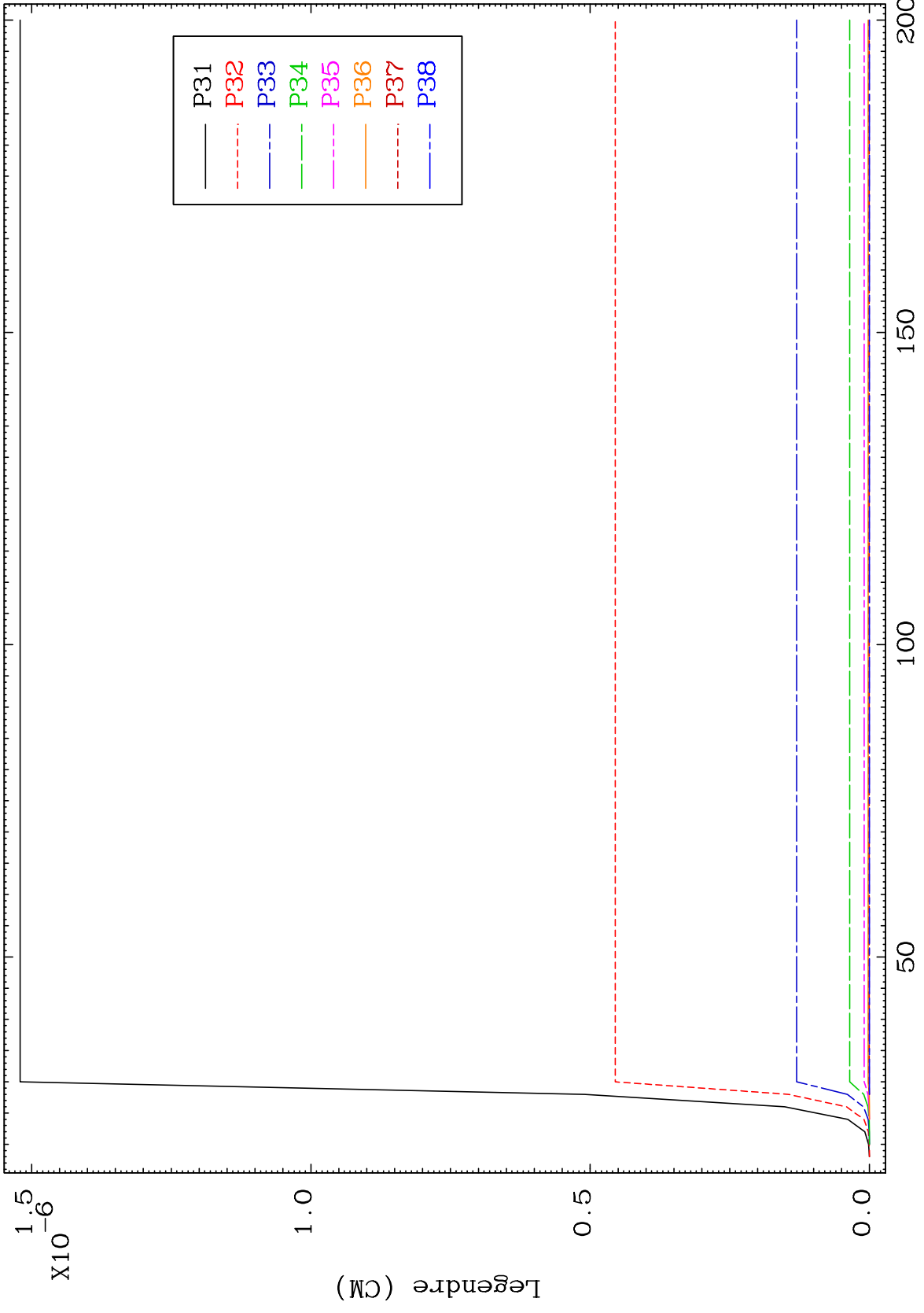
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



26

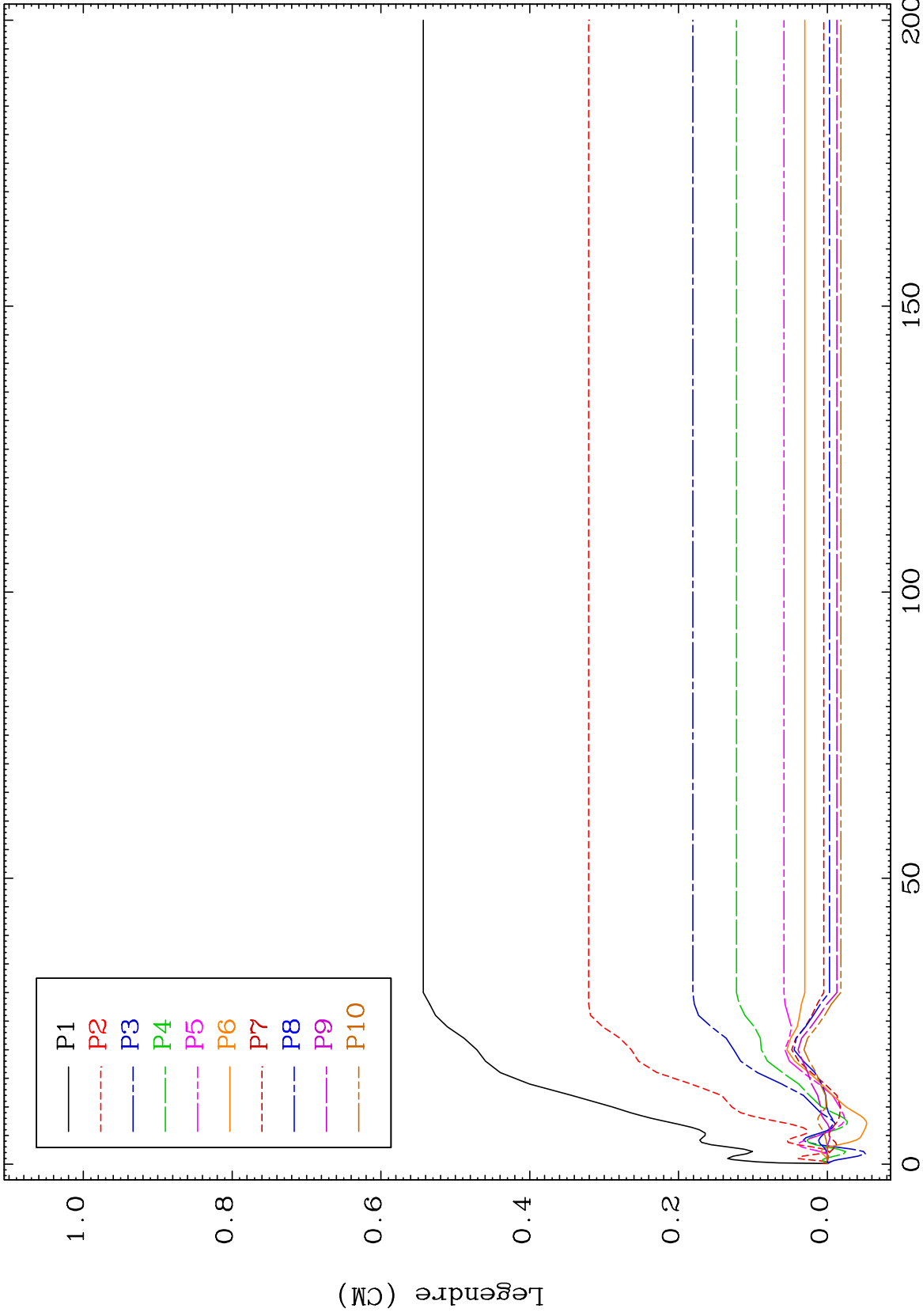
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



27

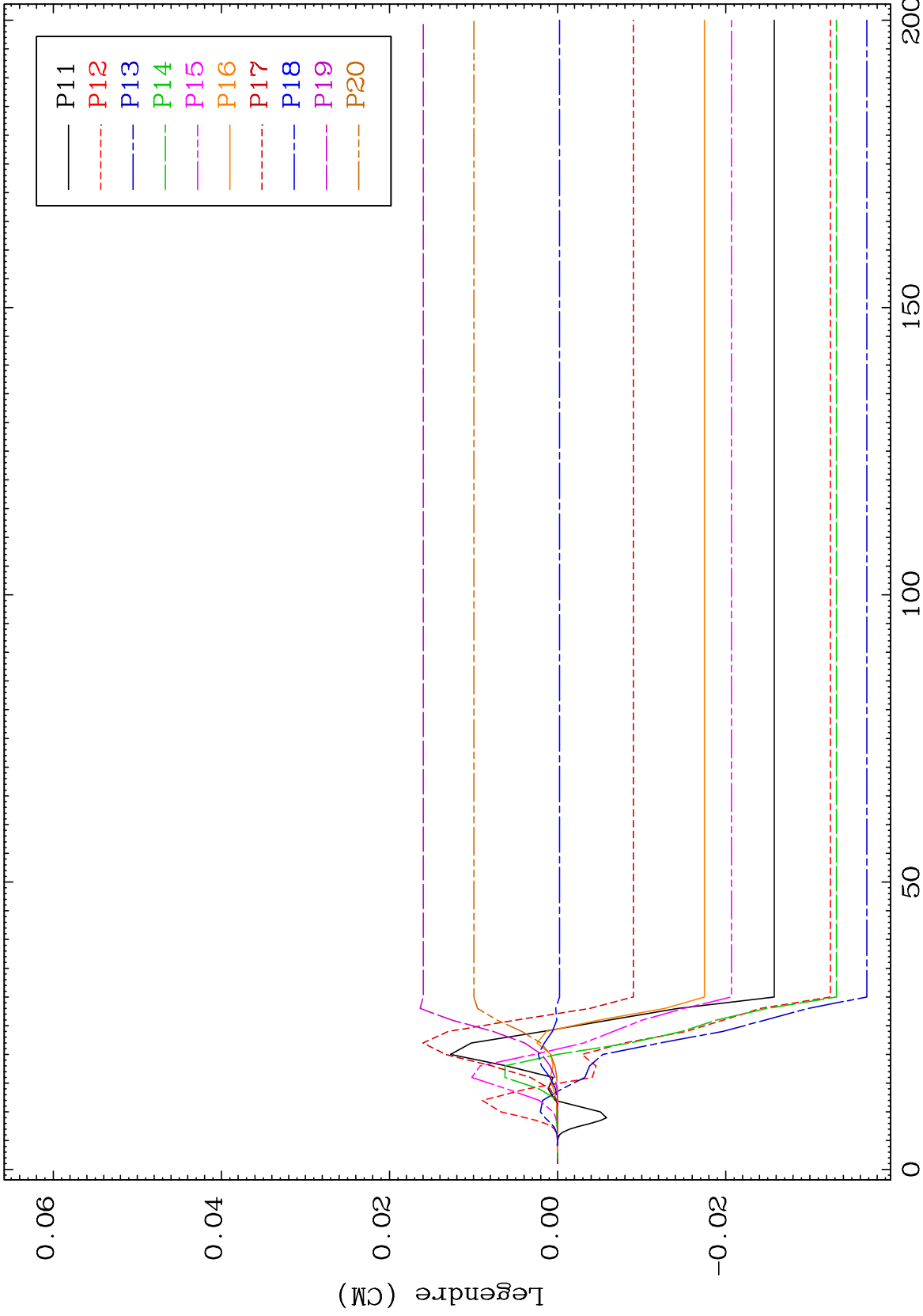
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

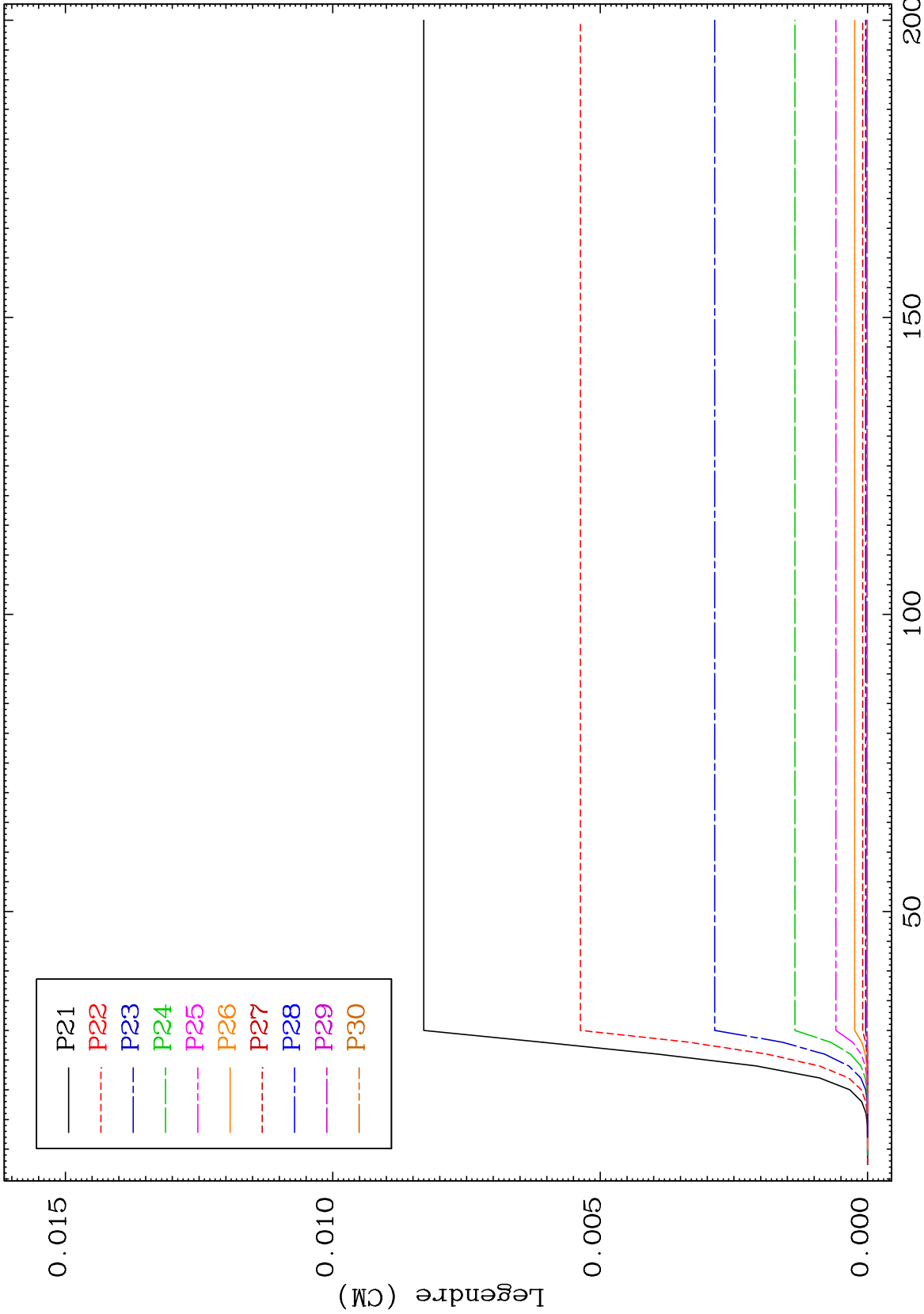
77-Ir-177



28

Incident Energy (MeV)

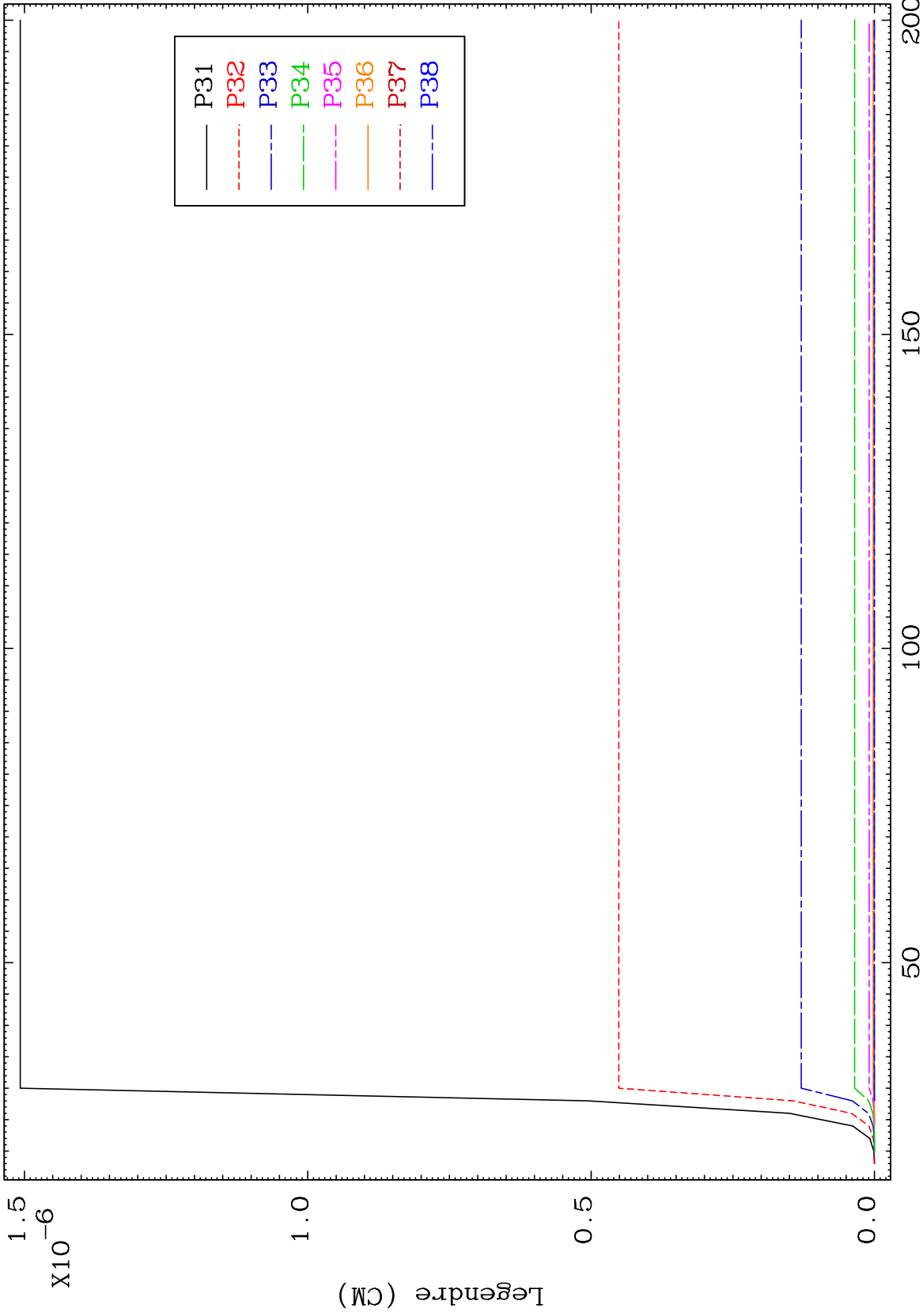
77-Ir-177



MAT 7683

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

77-Ir-177



30

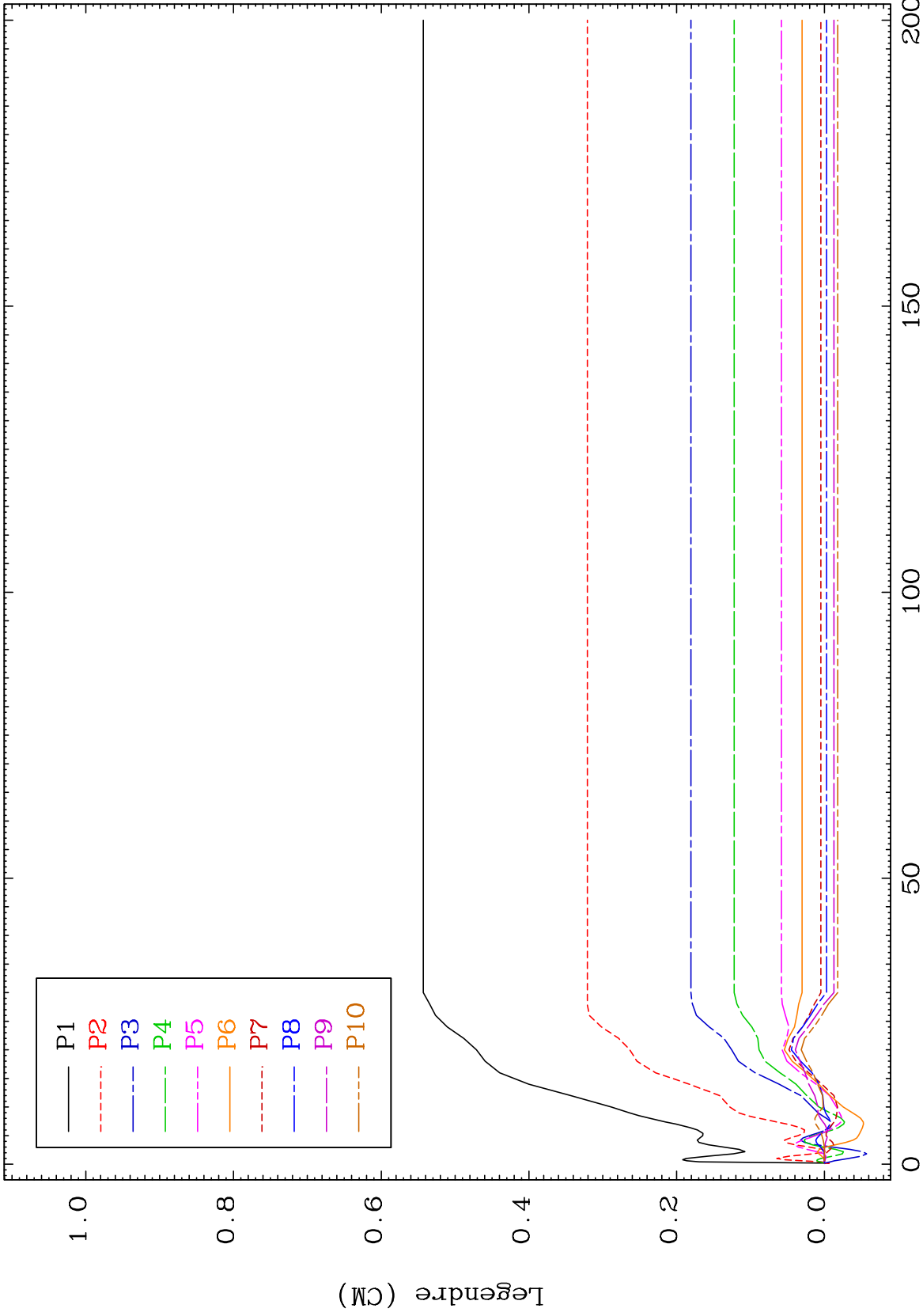
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



31

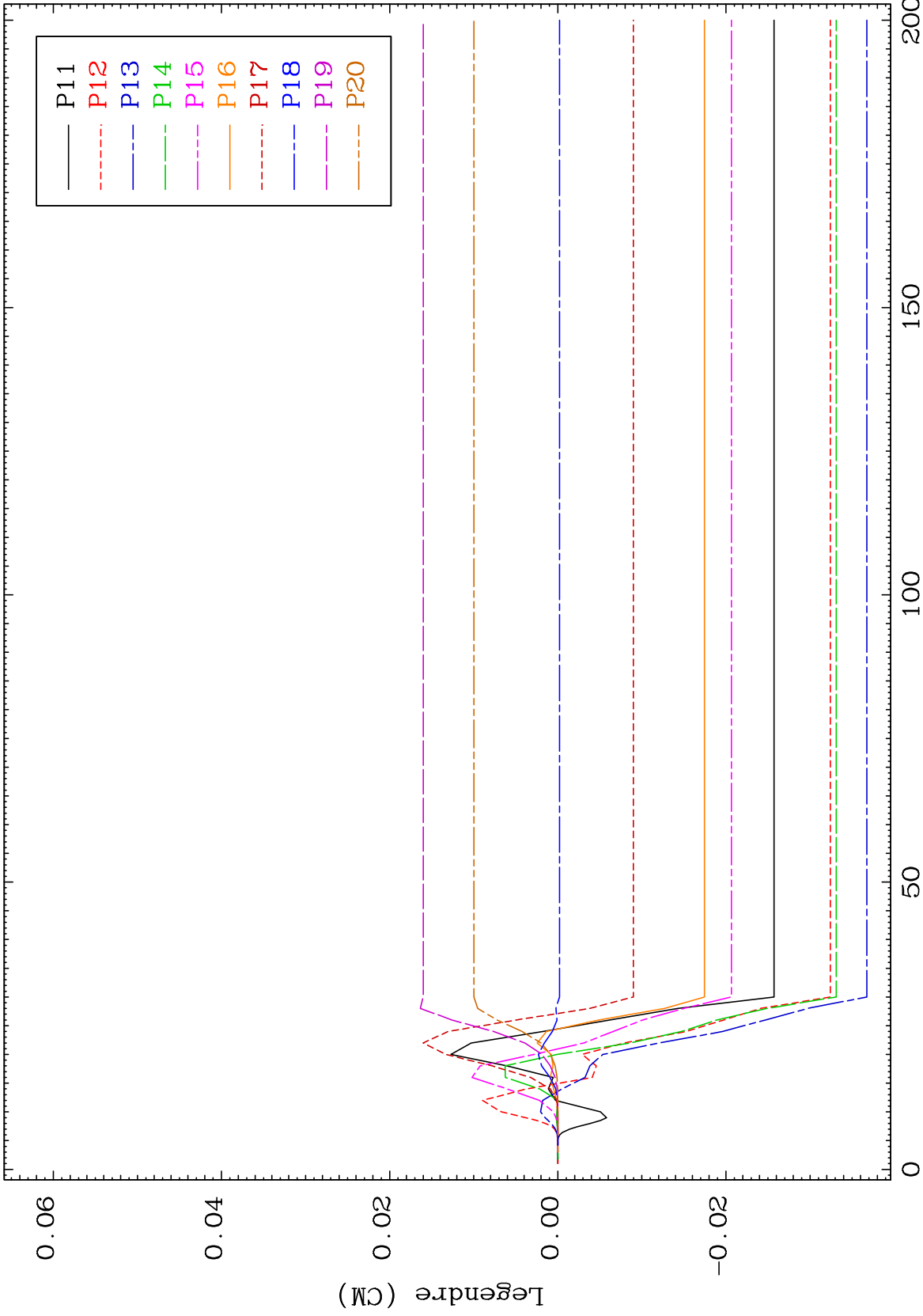
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

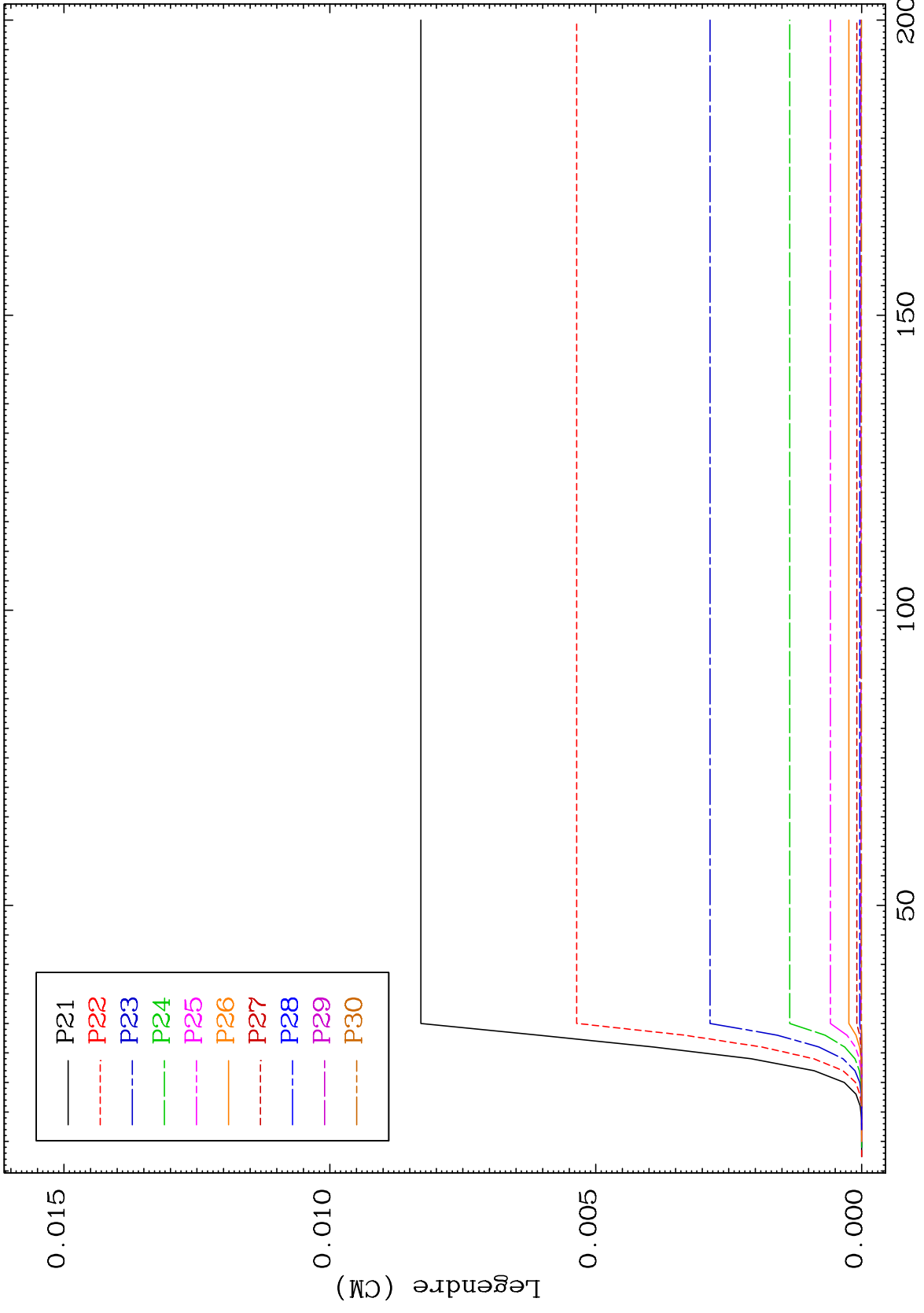
77-Ir-177



32

Incident Energy (MeV)

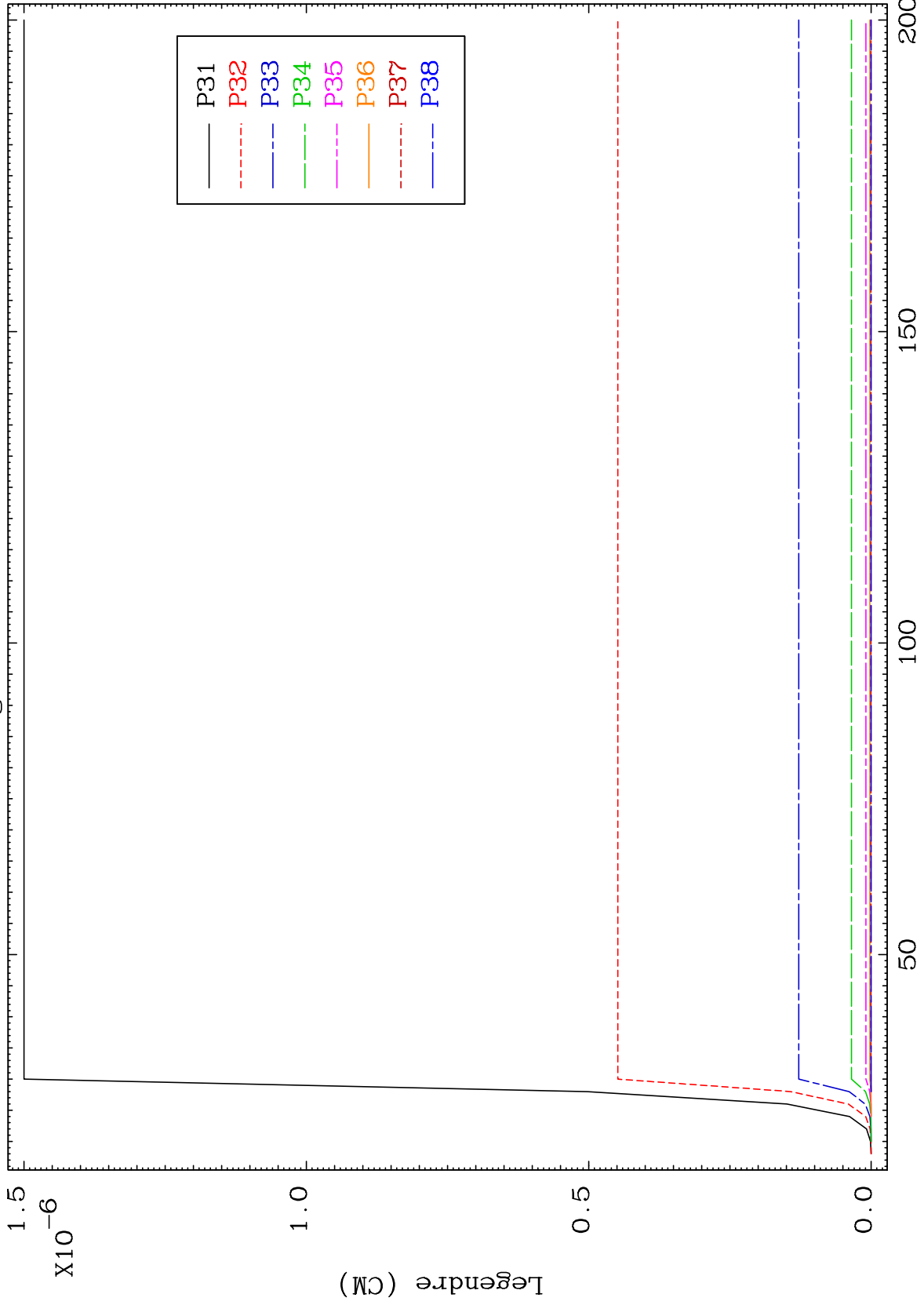
77-Ir-177



MAT 7683

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

77-Ir-177



34

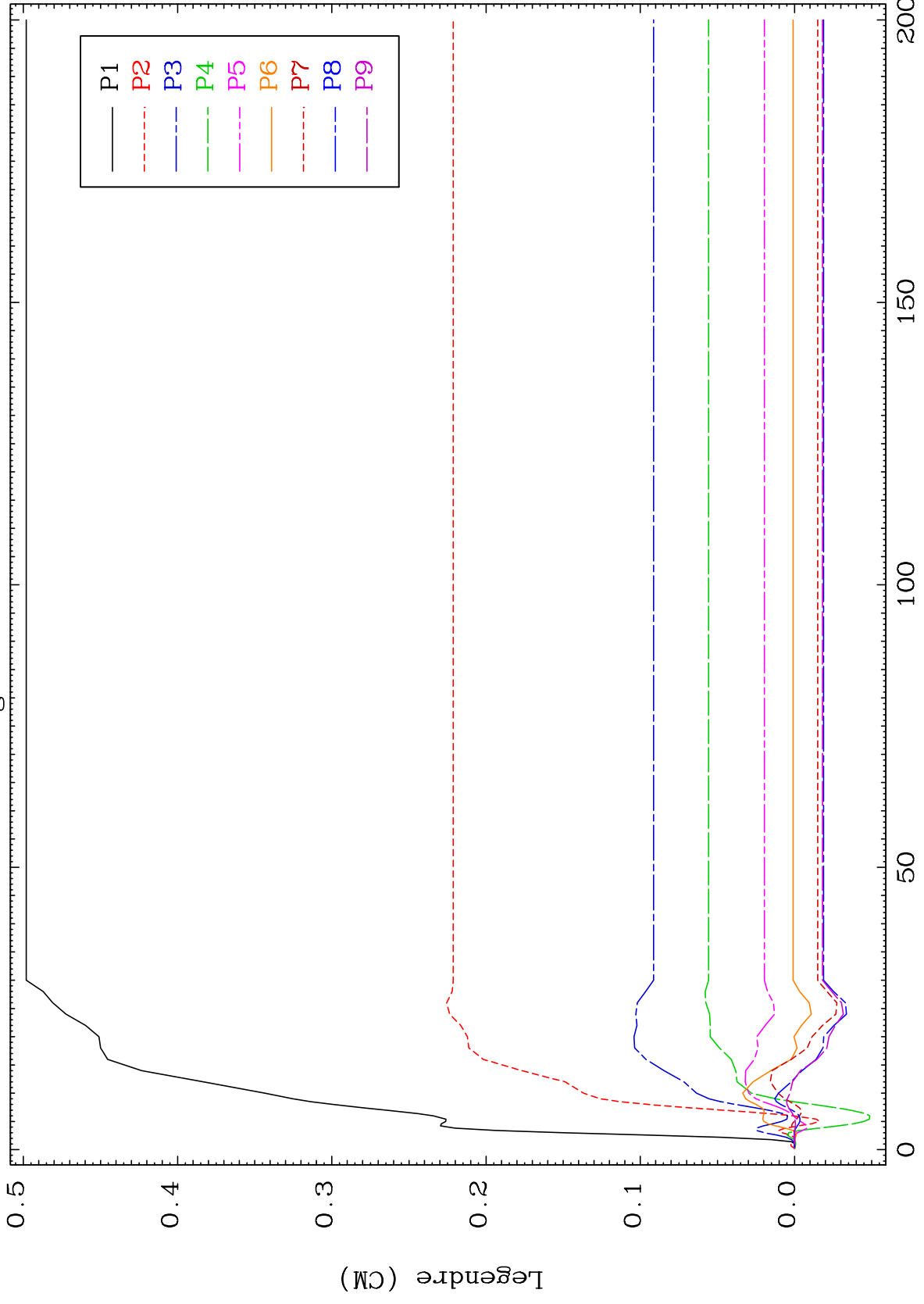
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



77-Ir-177

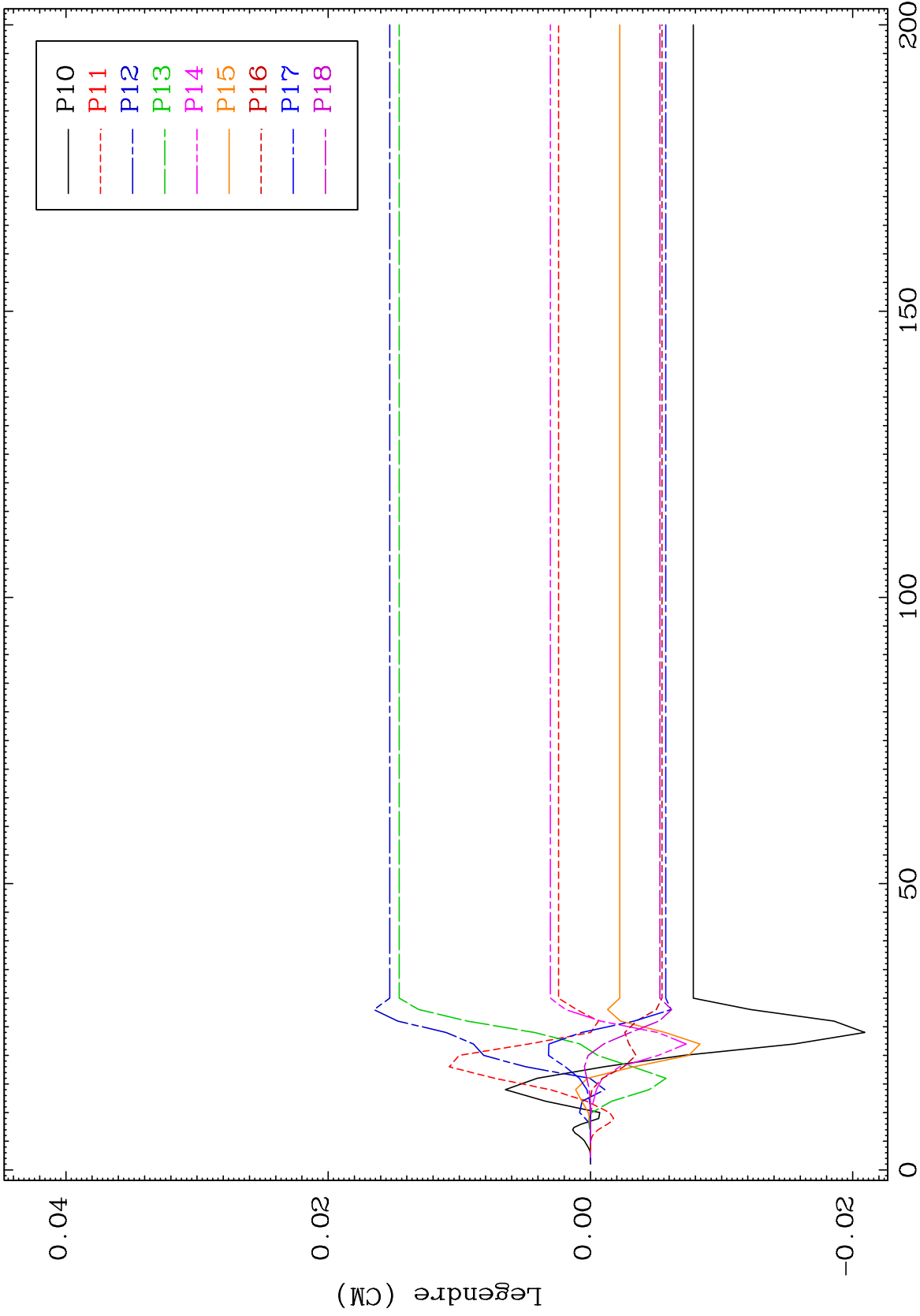
Incident Energy (MeV)

35

MAT 7683

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

77-Ir-177



36

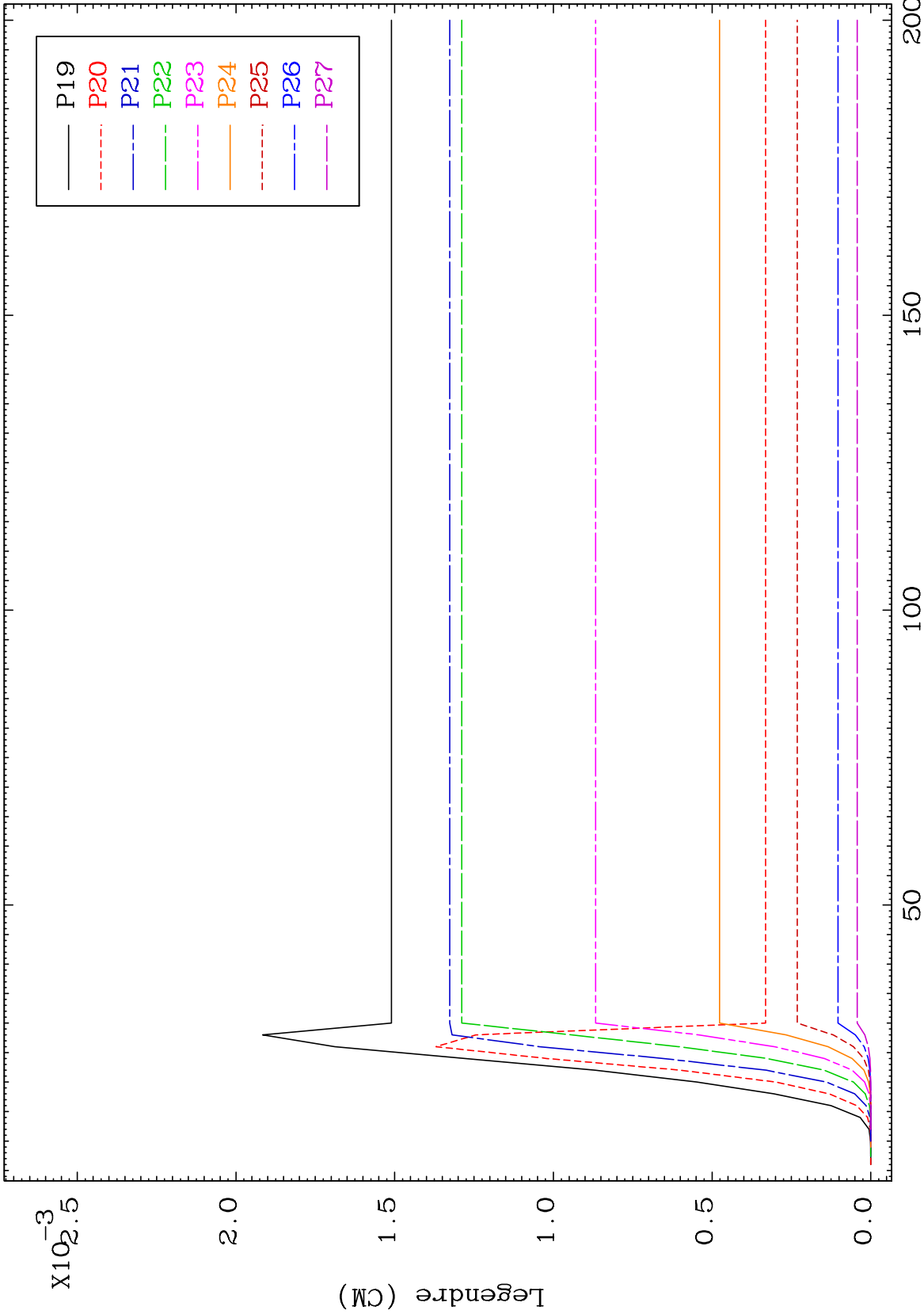
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



37

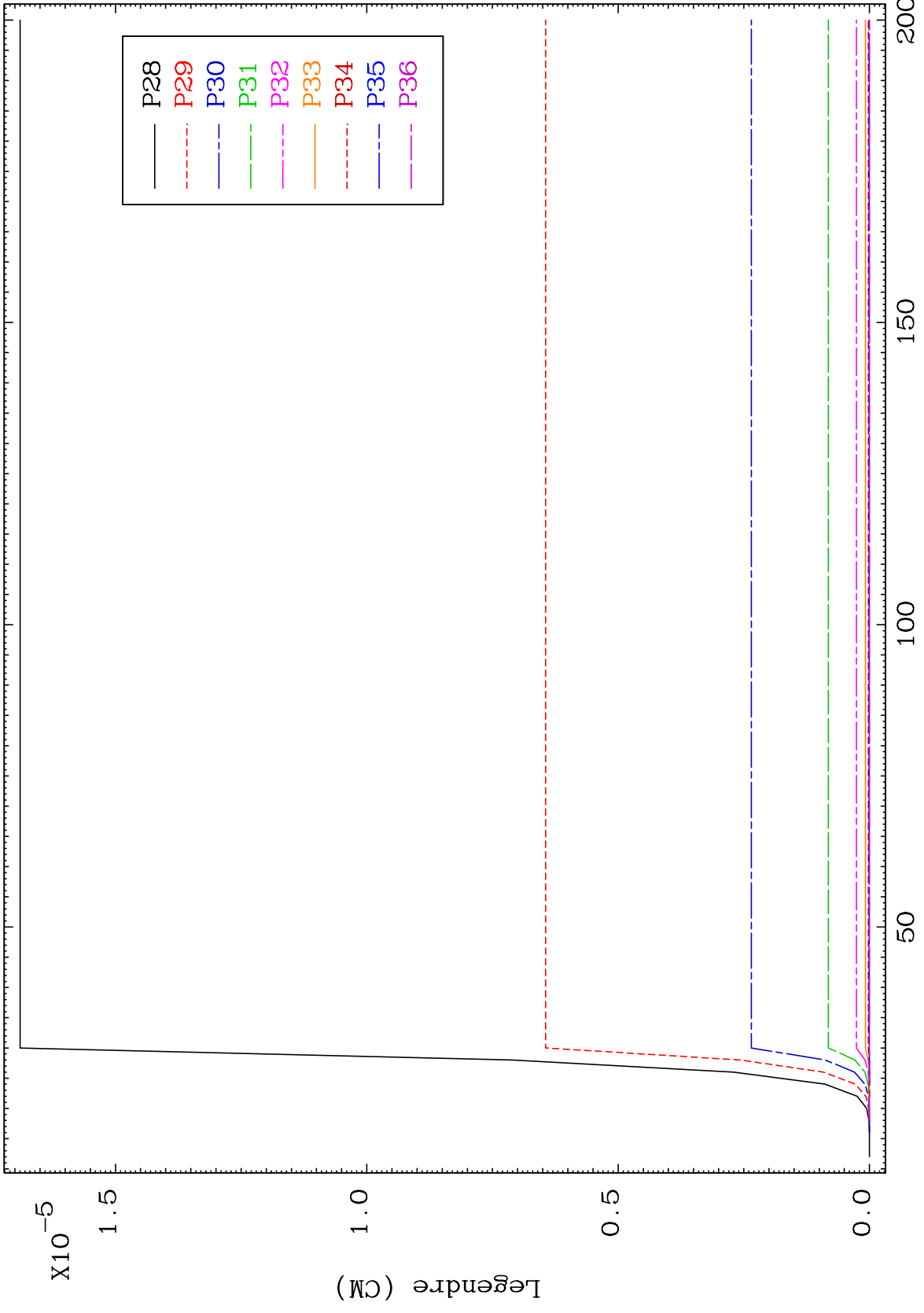
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



38

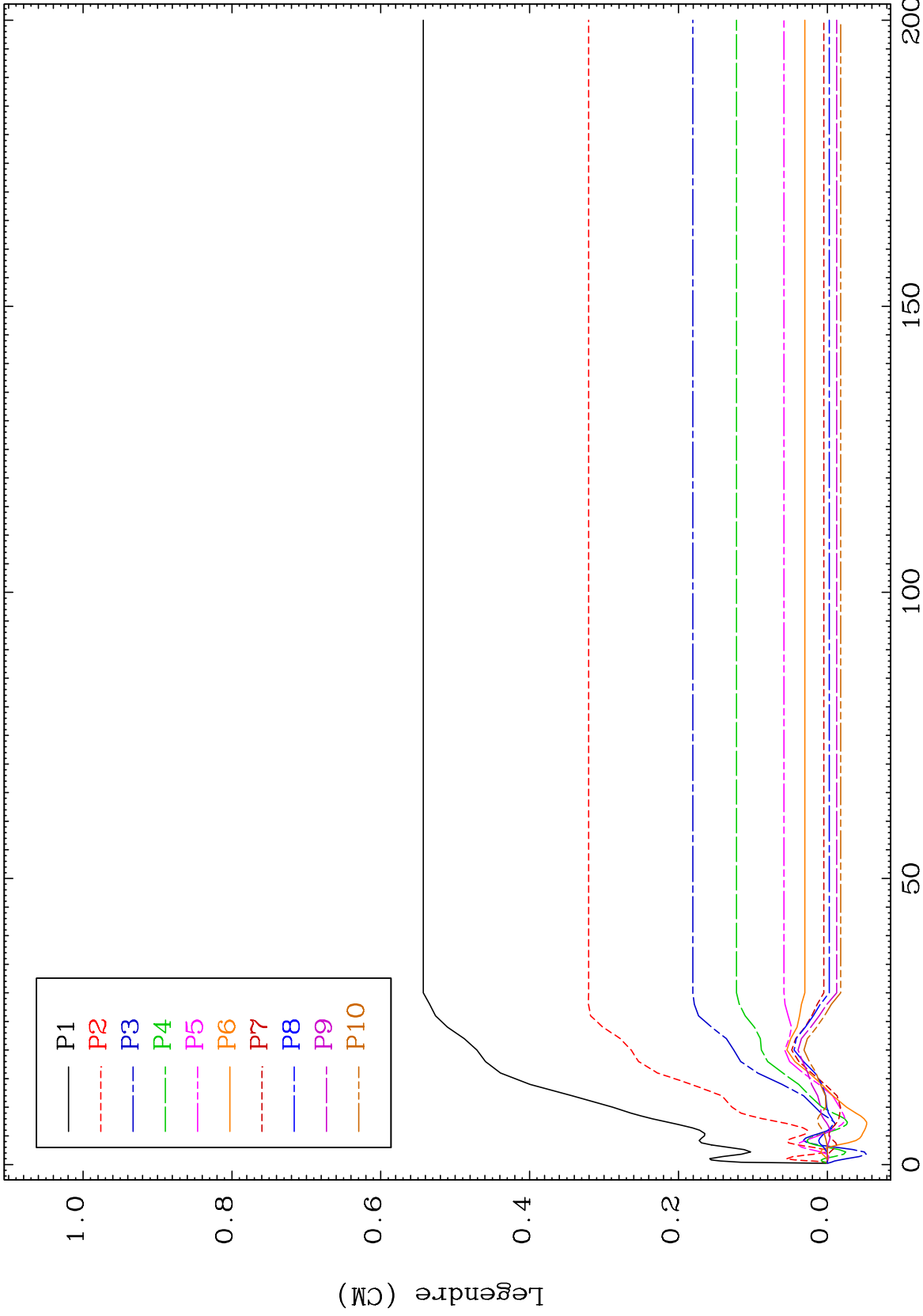
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



39

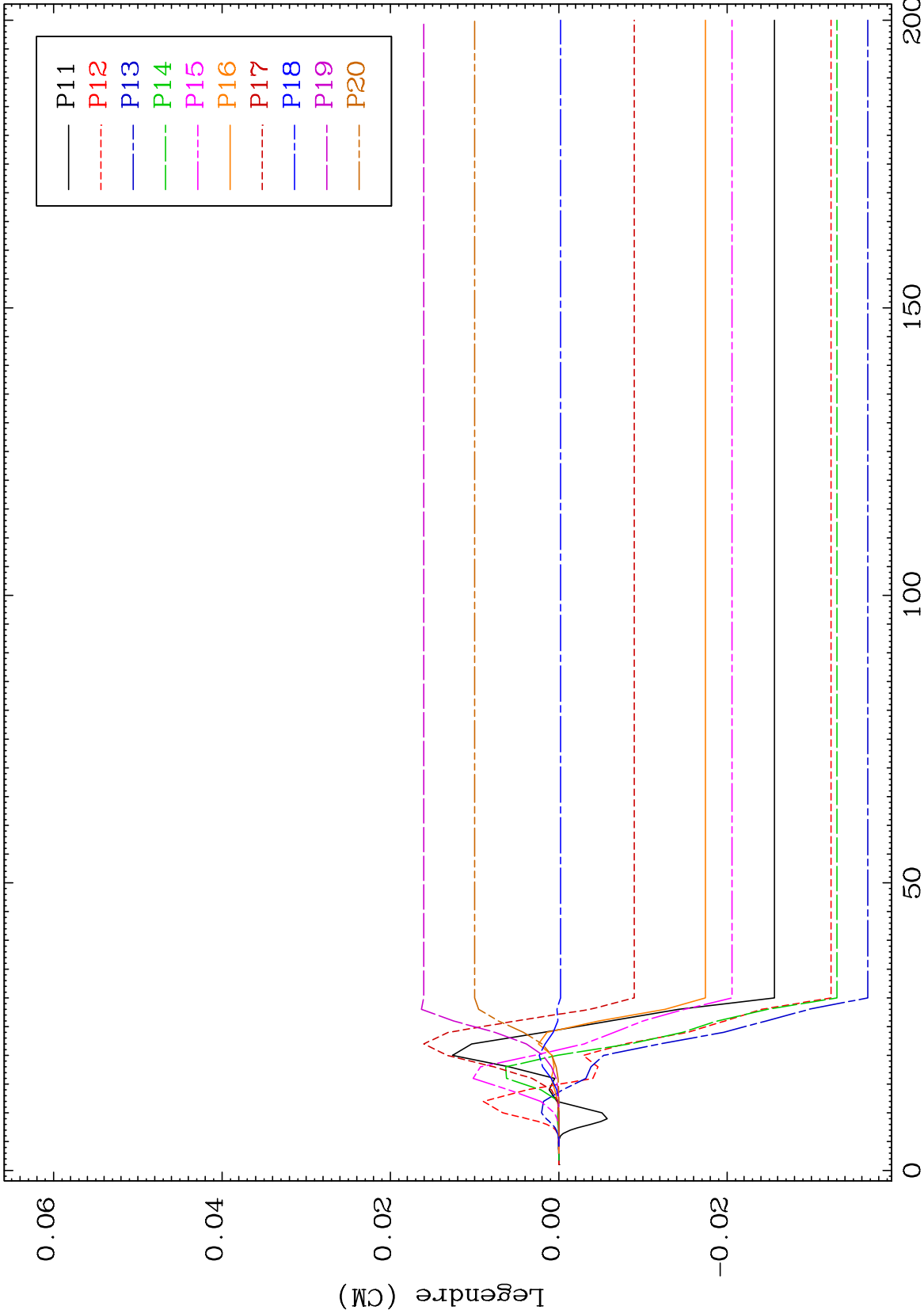
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

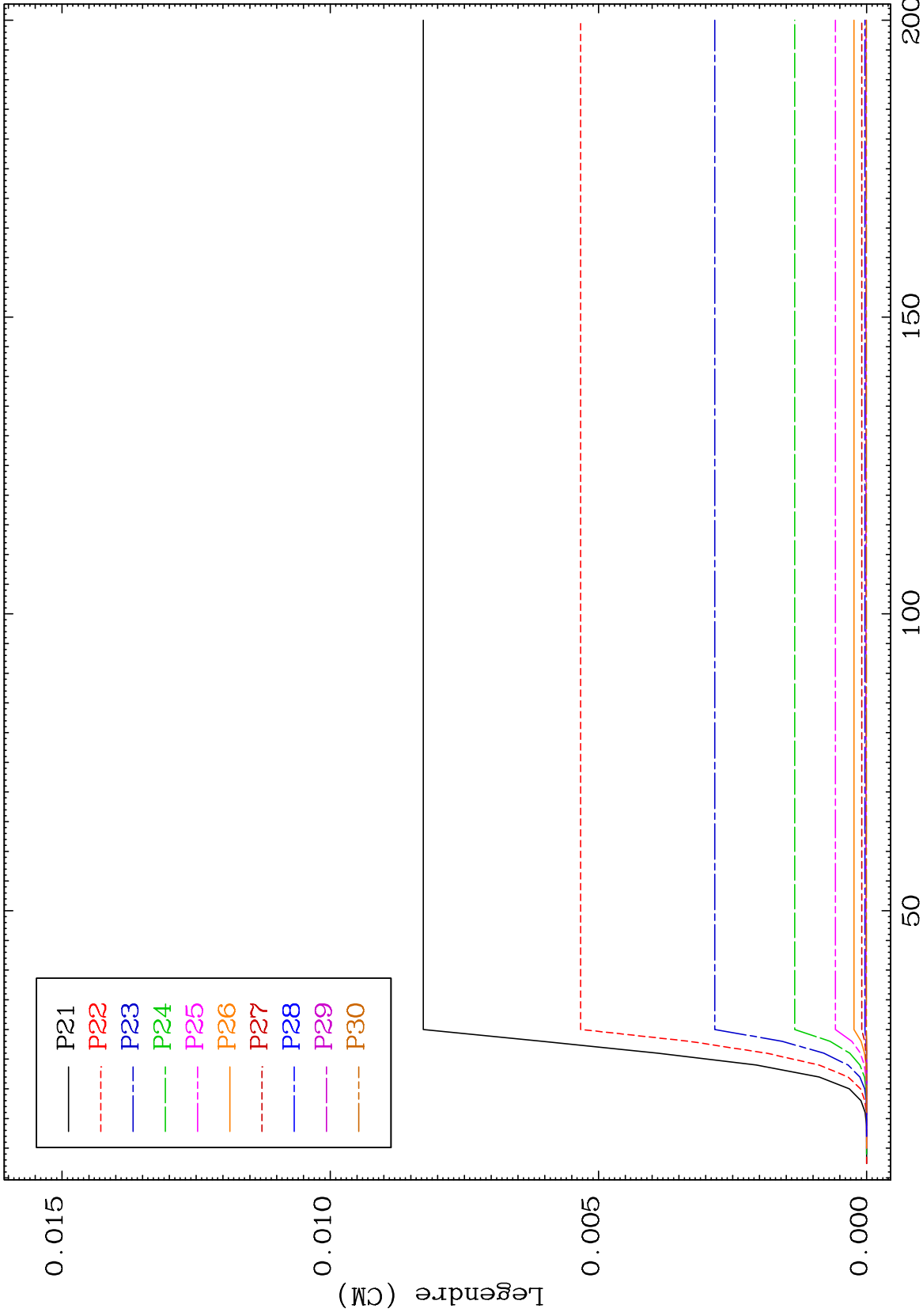
77-Ir-177



40

Incident Energy (MeV)

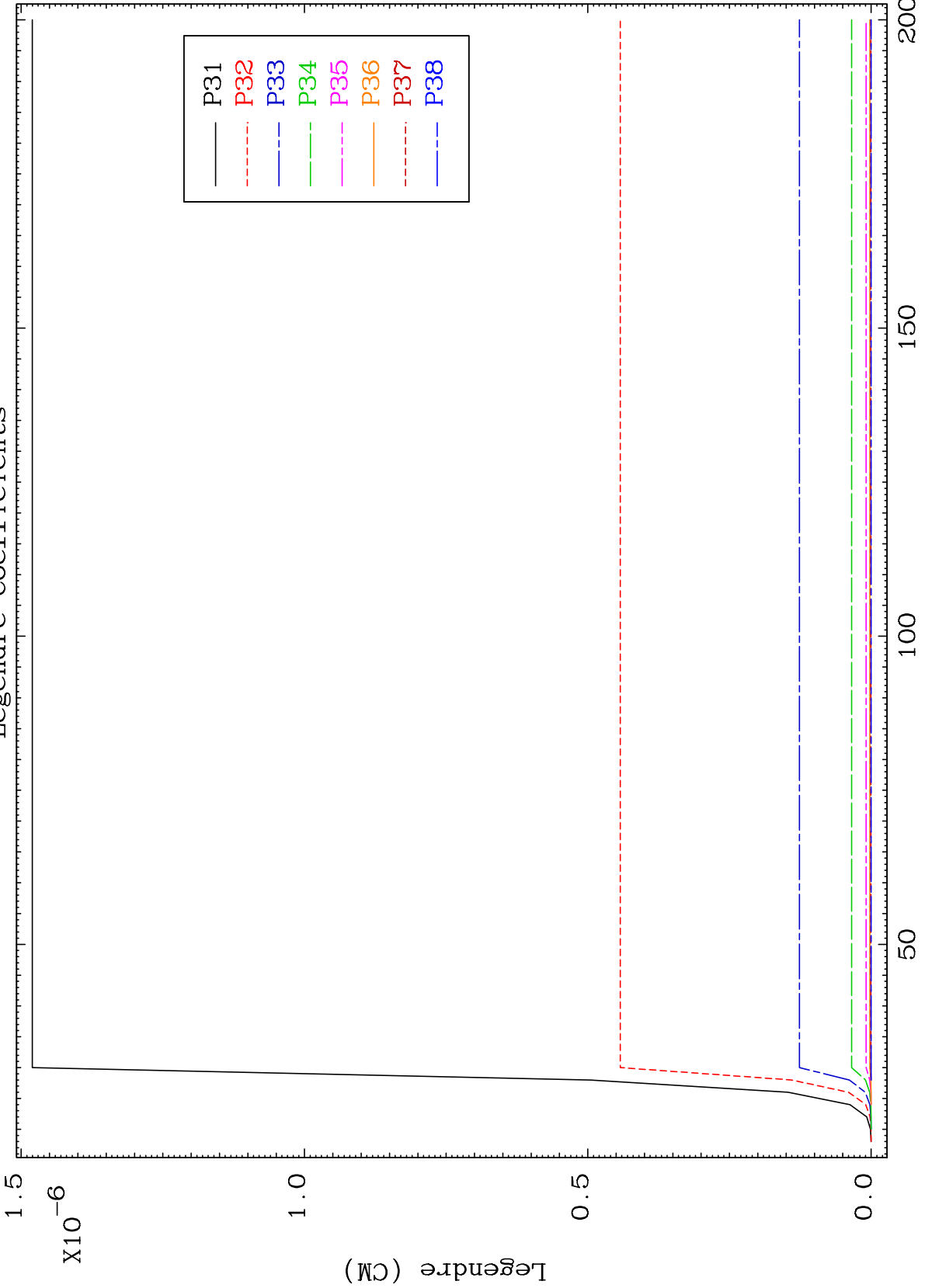
77-Ir-177



MAT 7683

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

77-Ir-177



42

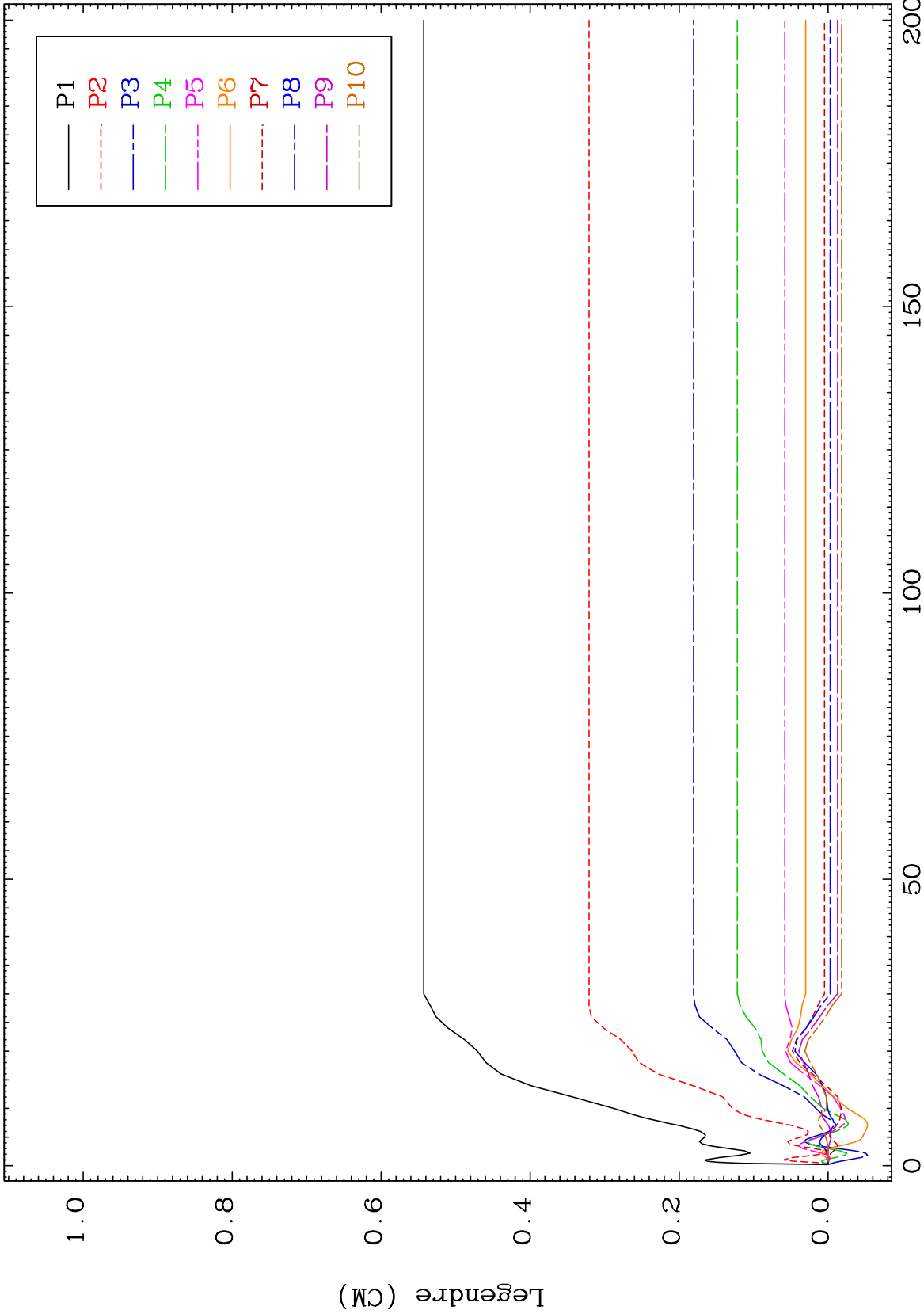
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



43

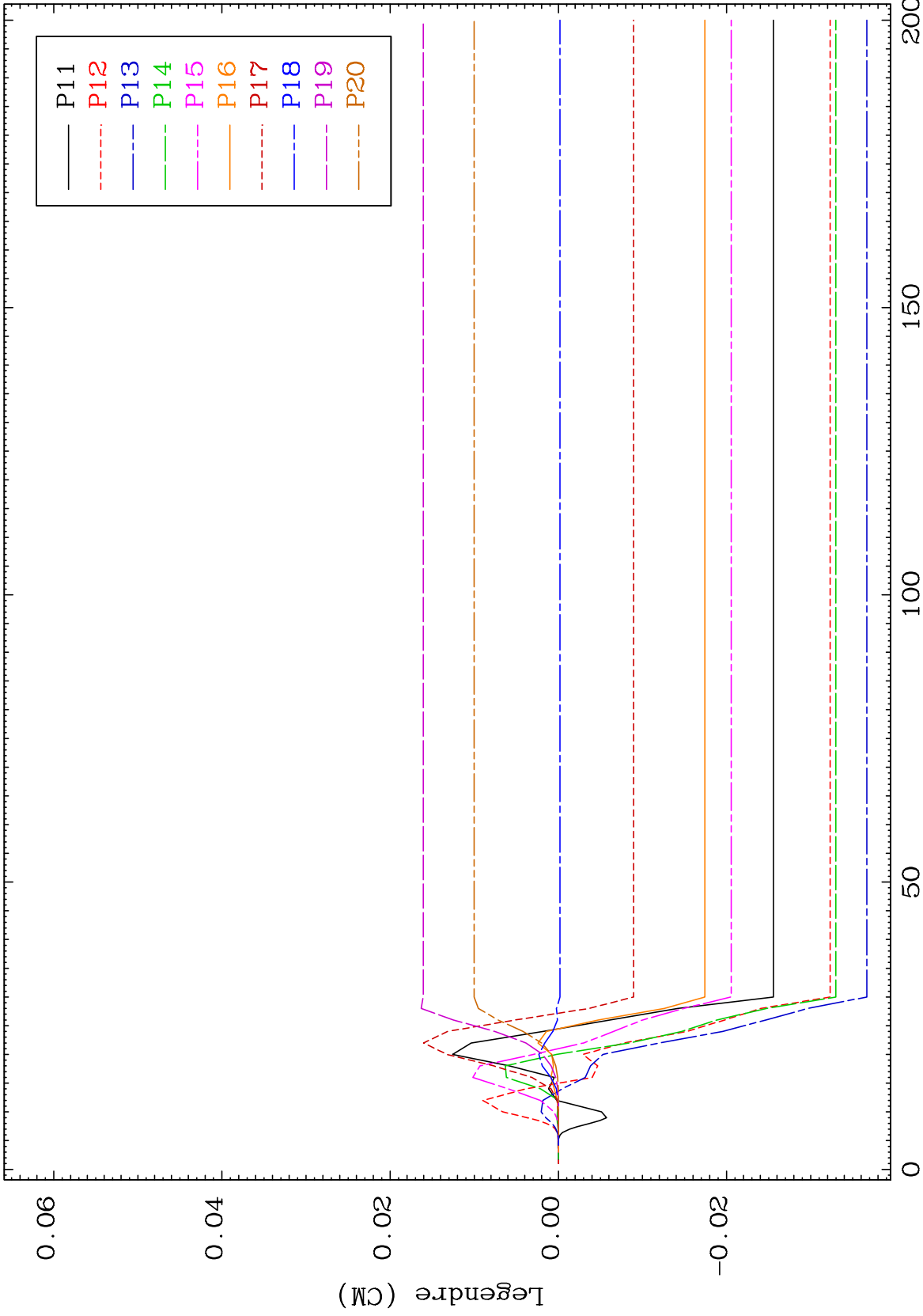
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



44

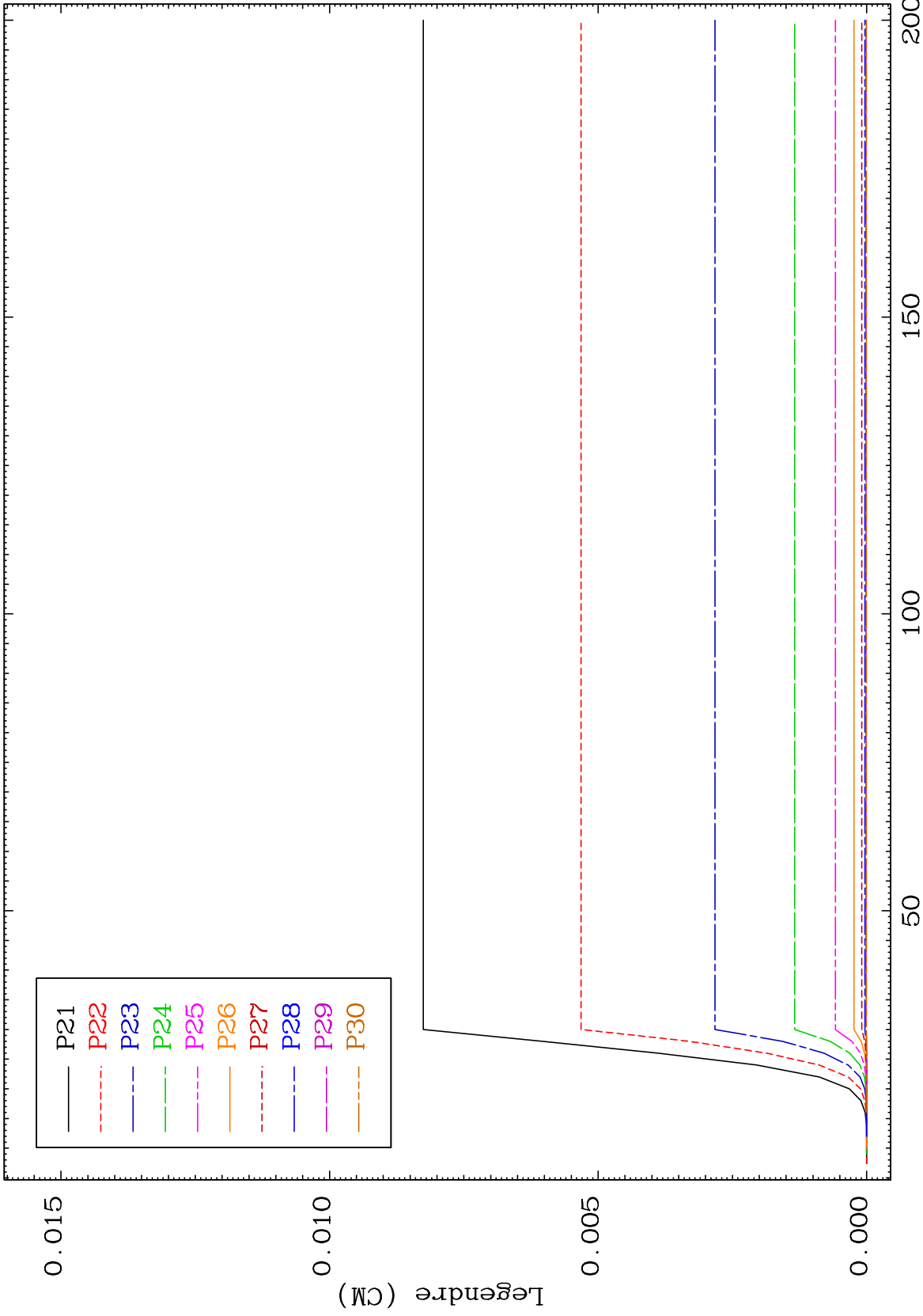
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



45

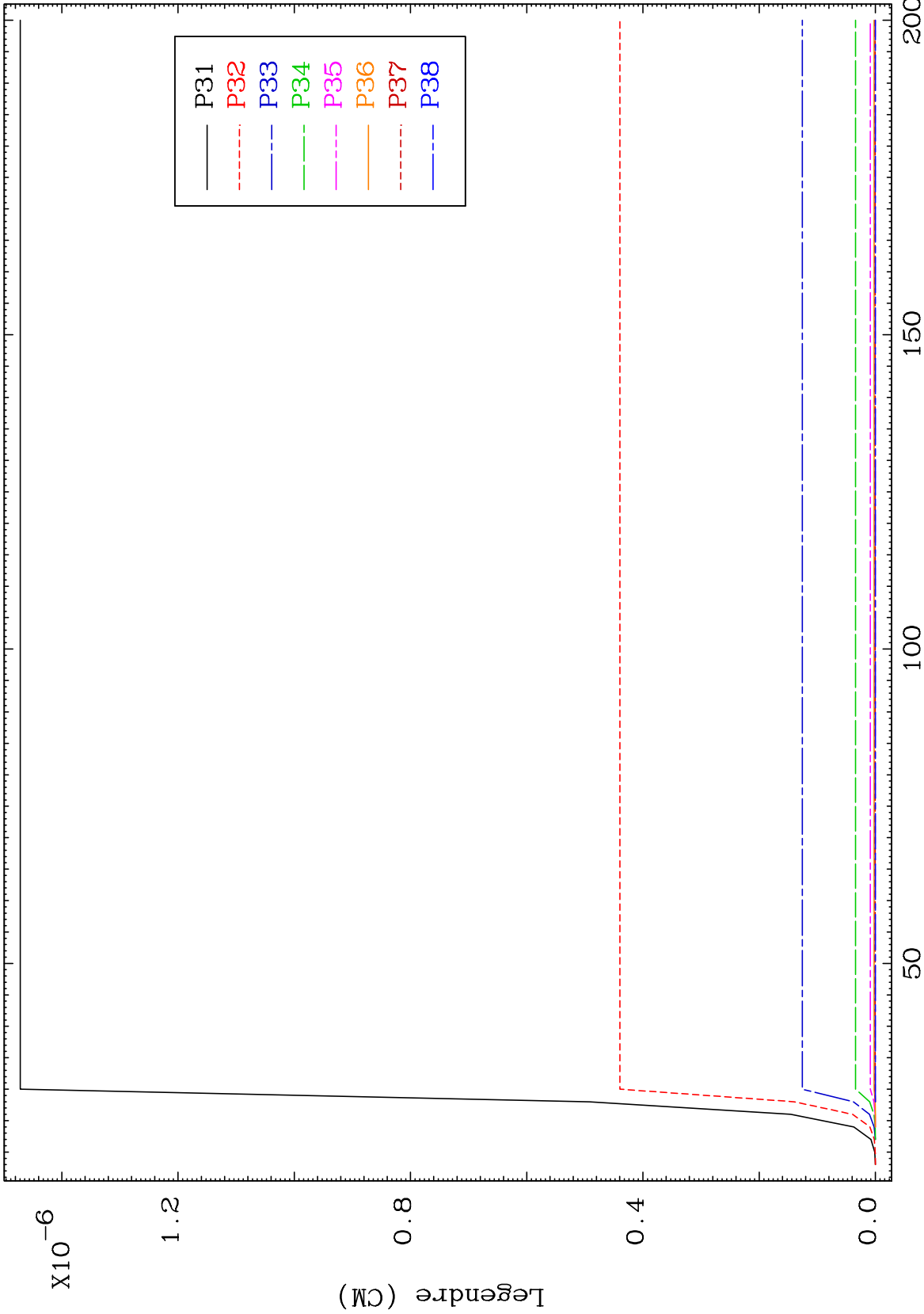
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



46

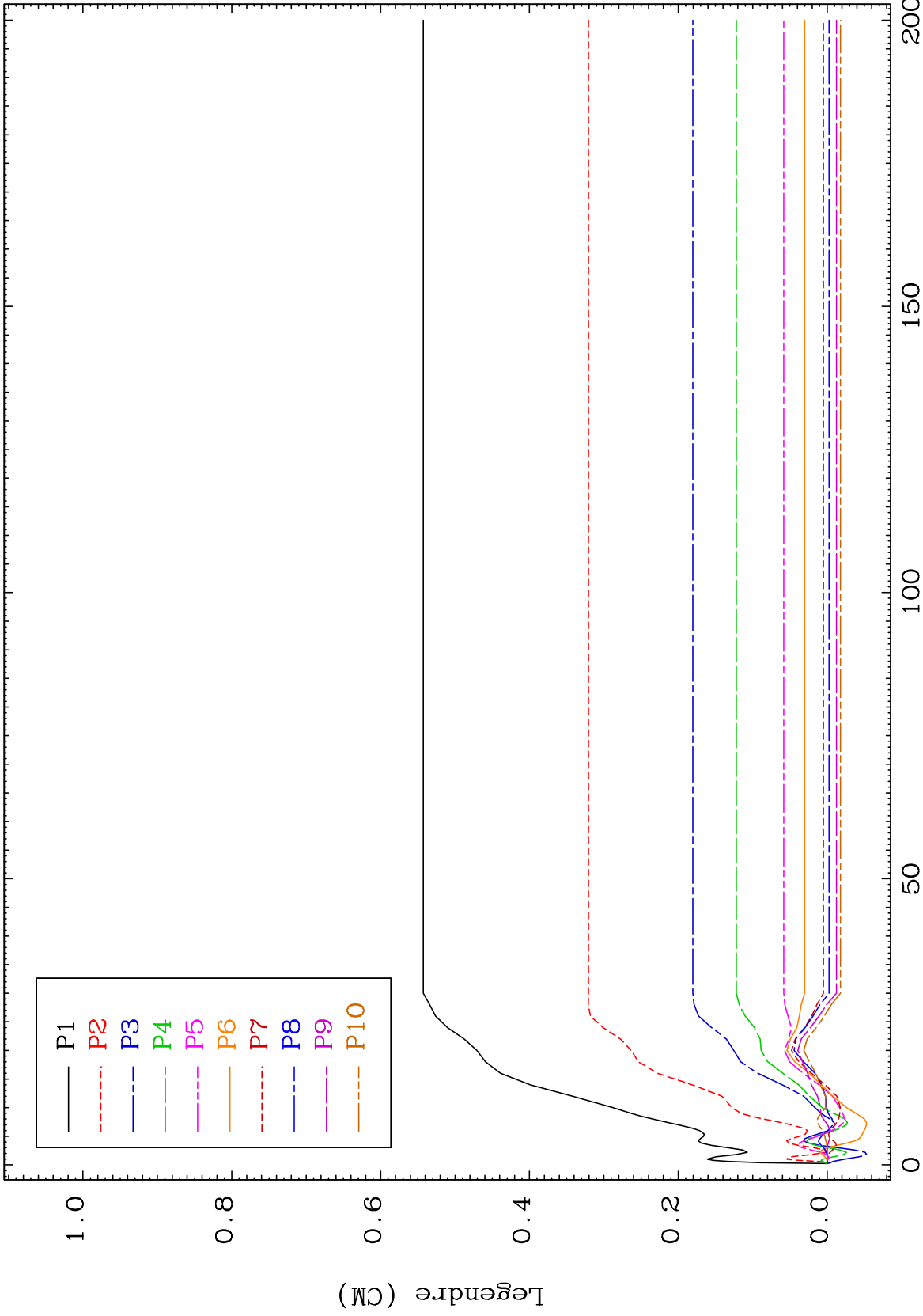
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



47

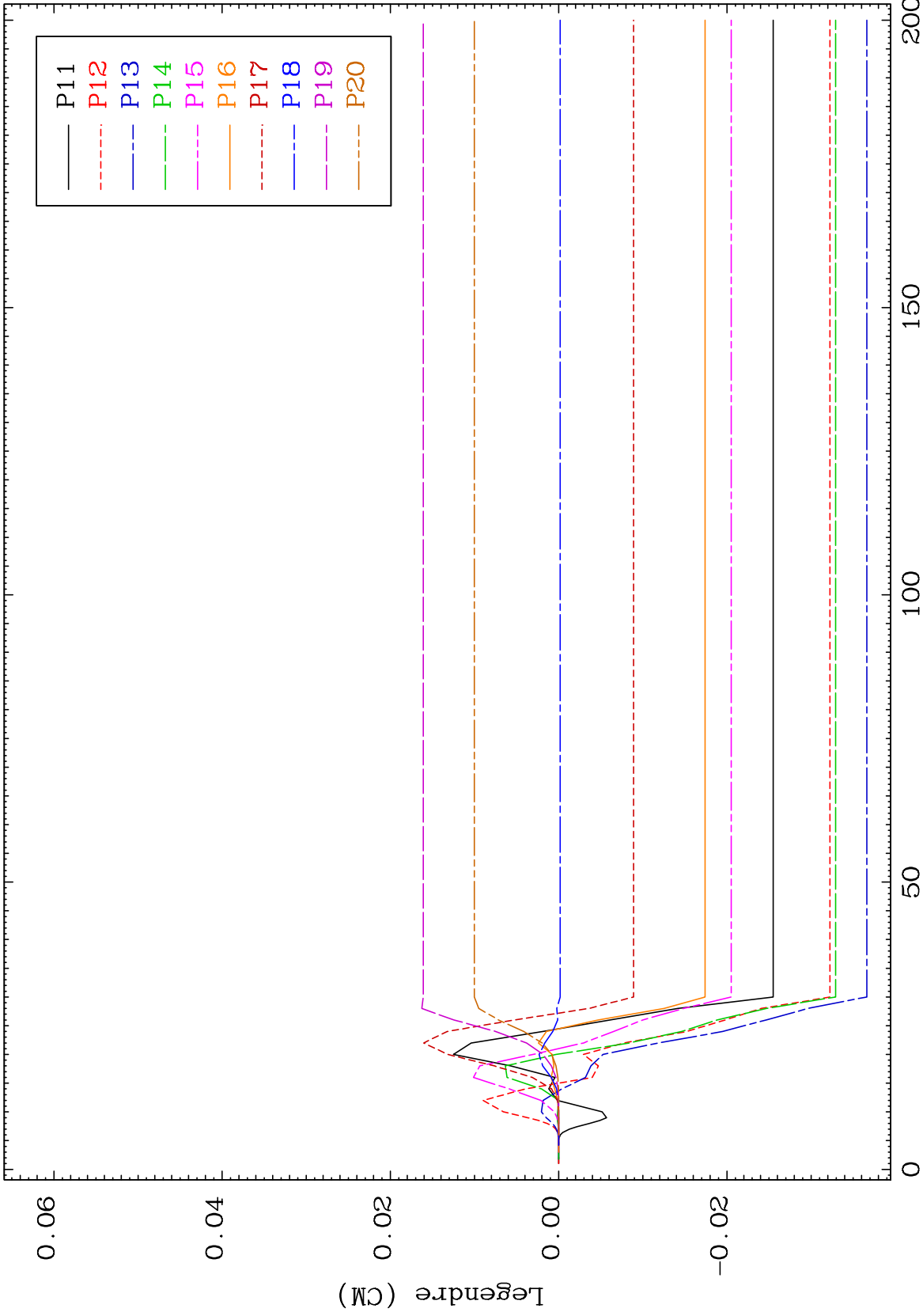
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



48

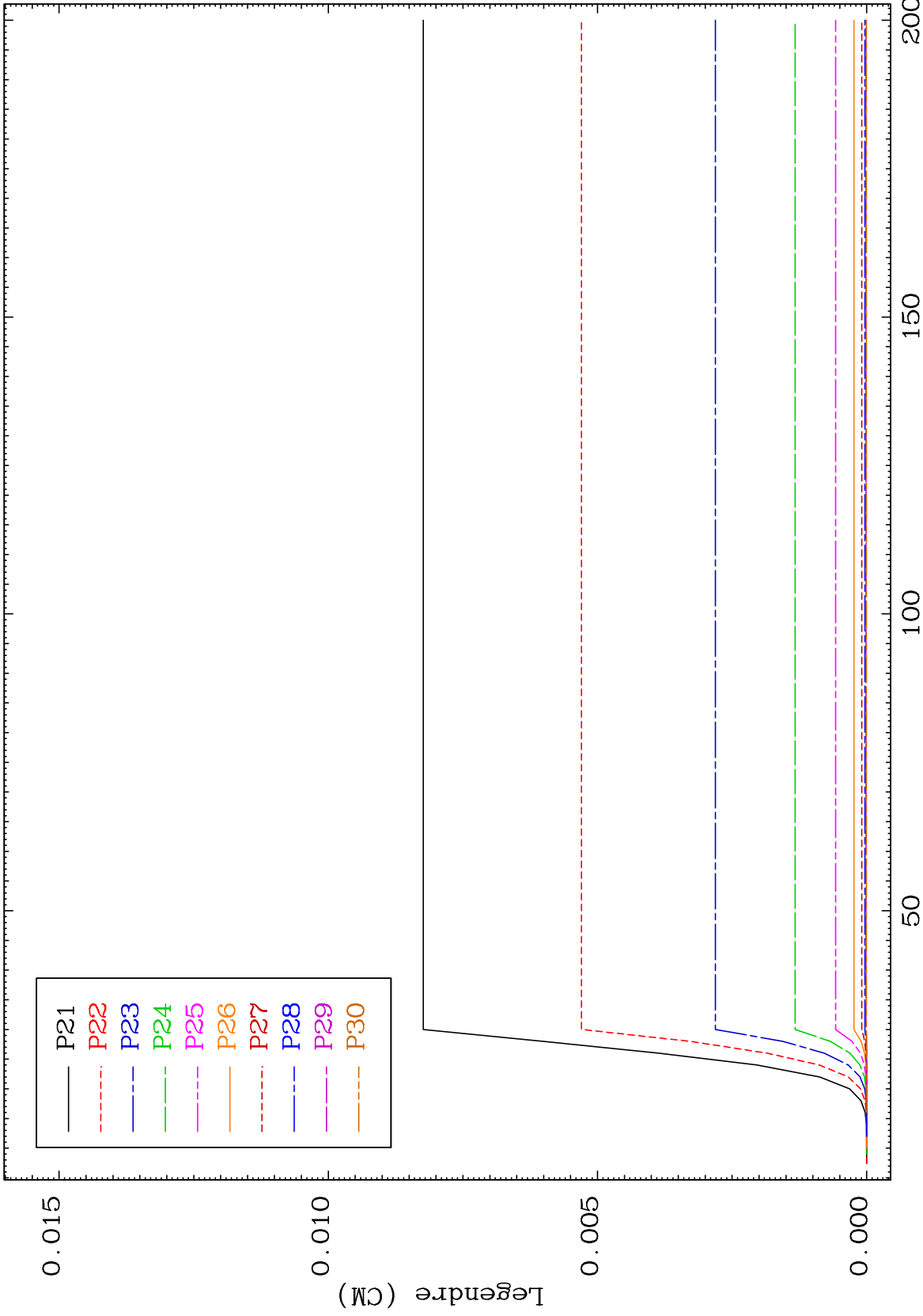
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



49

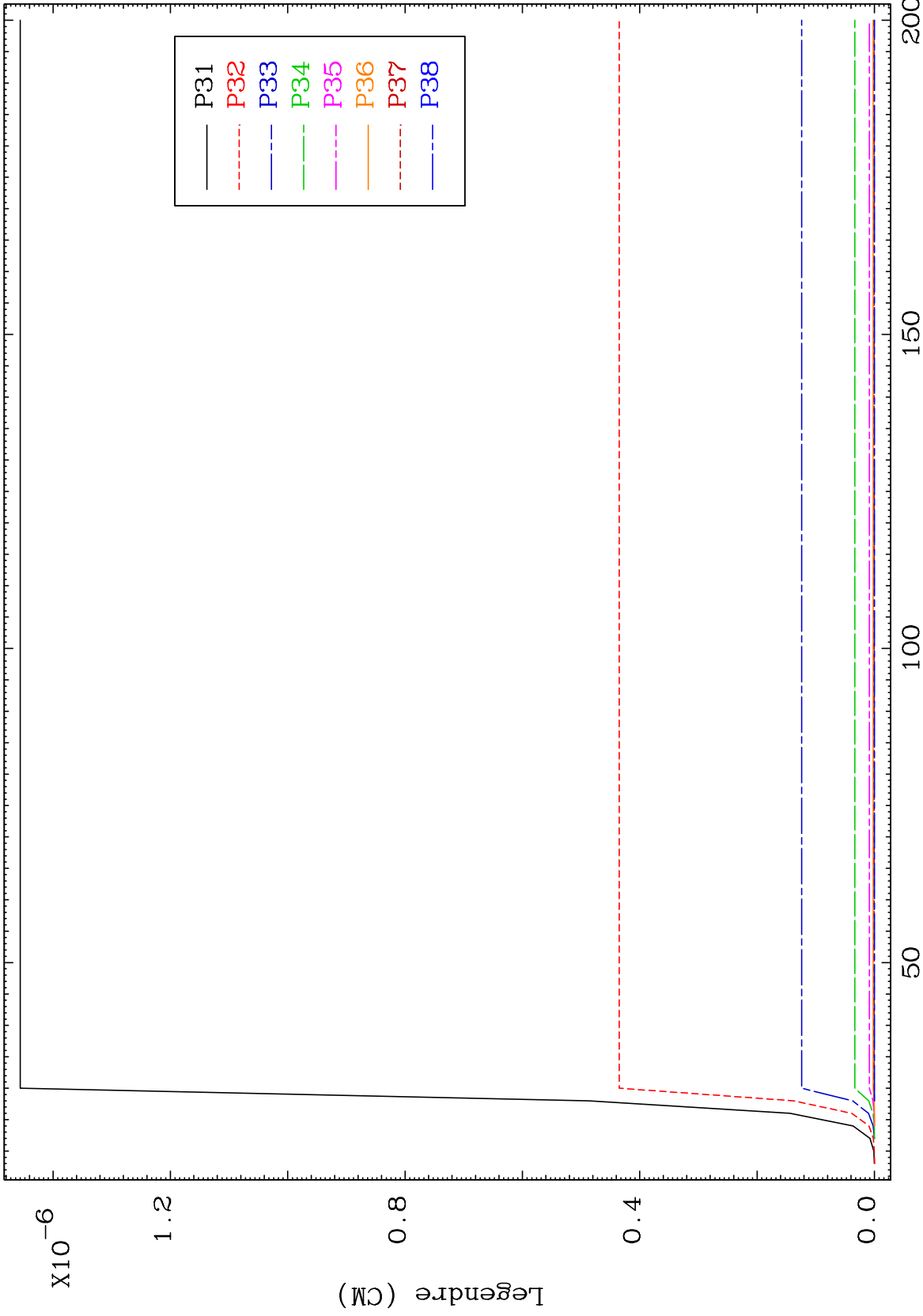
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



50

50

100

150

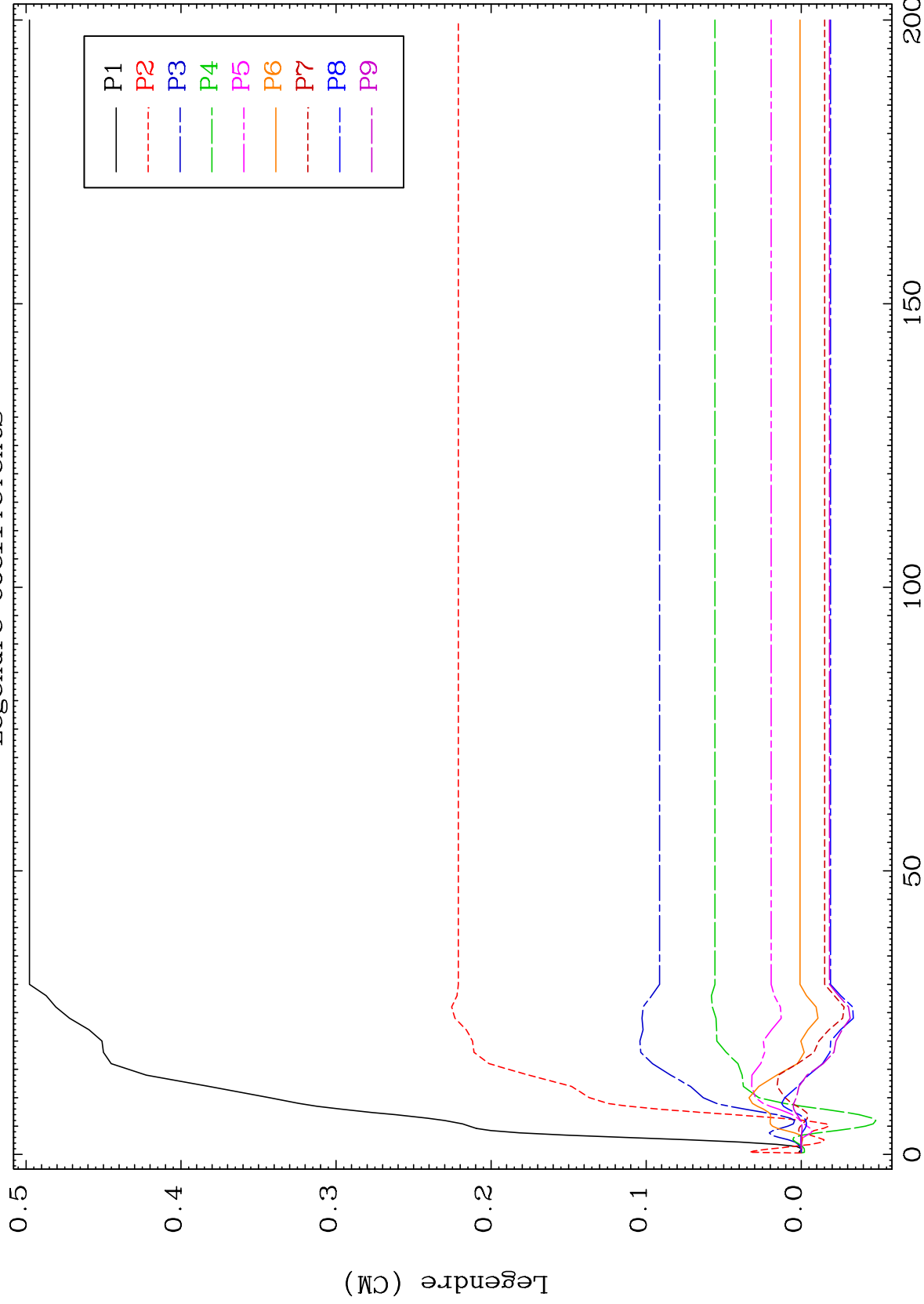
200

77-Ir-177

MAT 7683

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

77-Ir-177



51

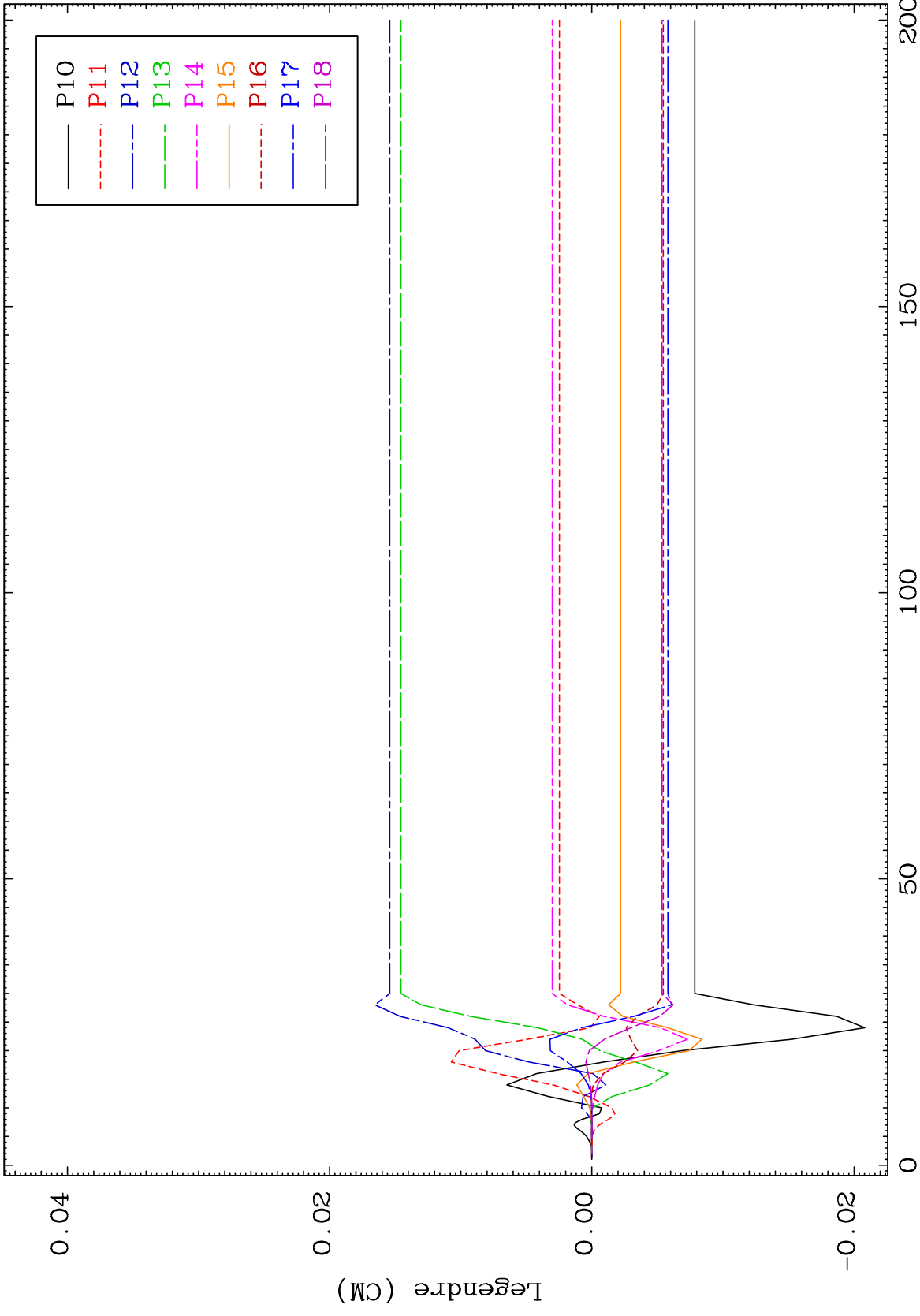
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



52

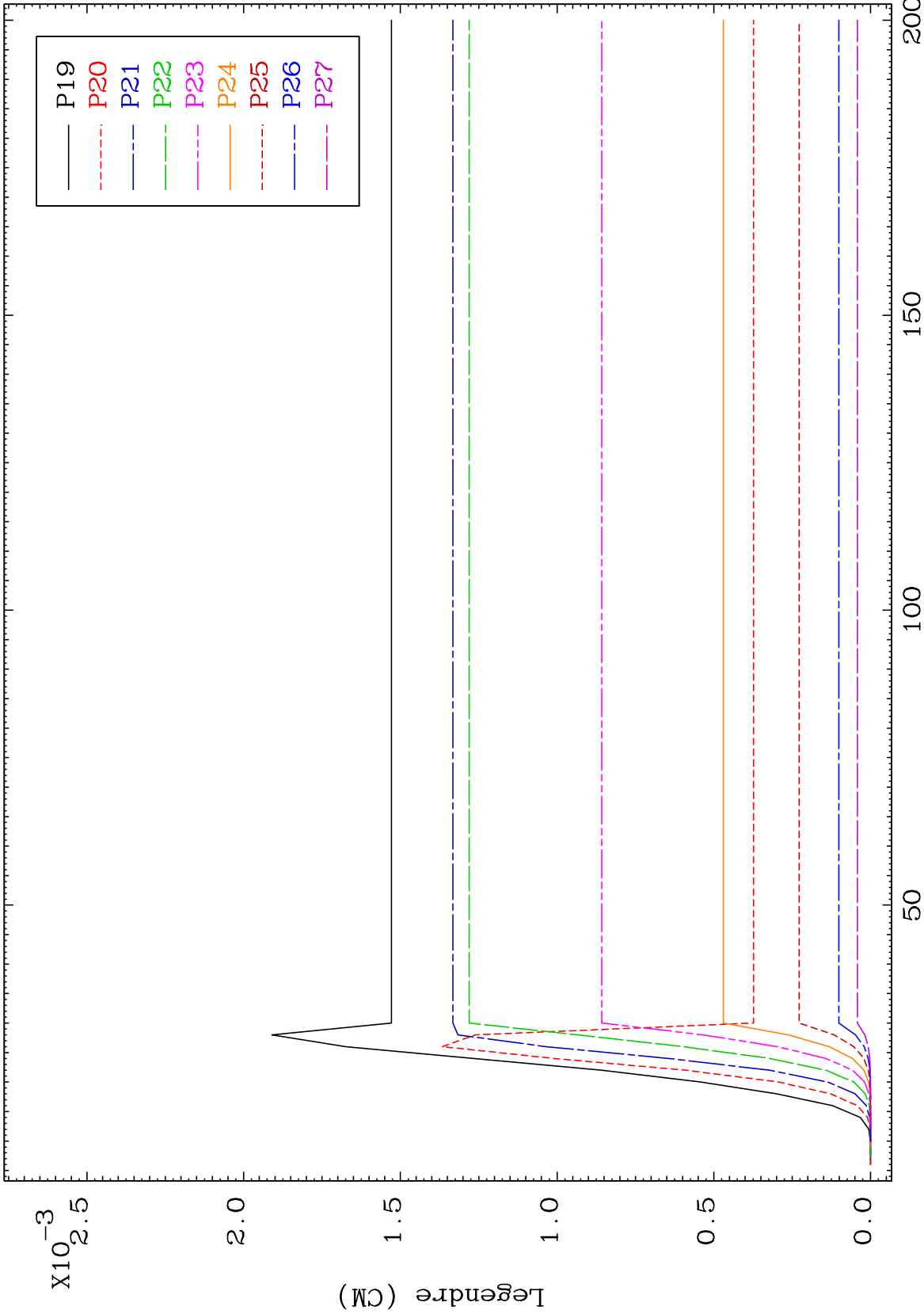
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



53

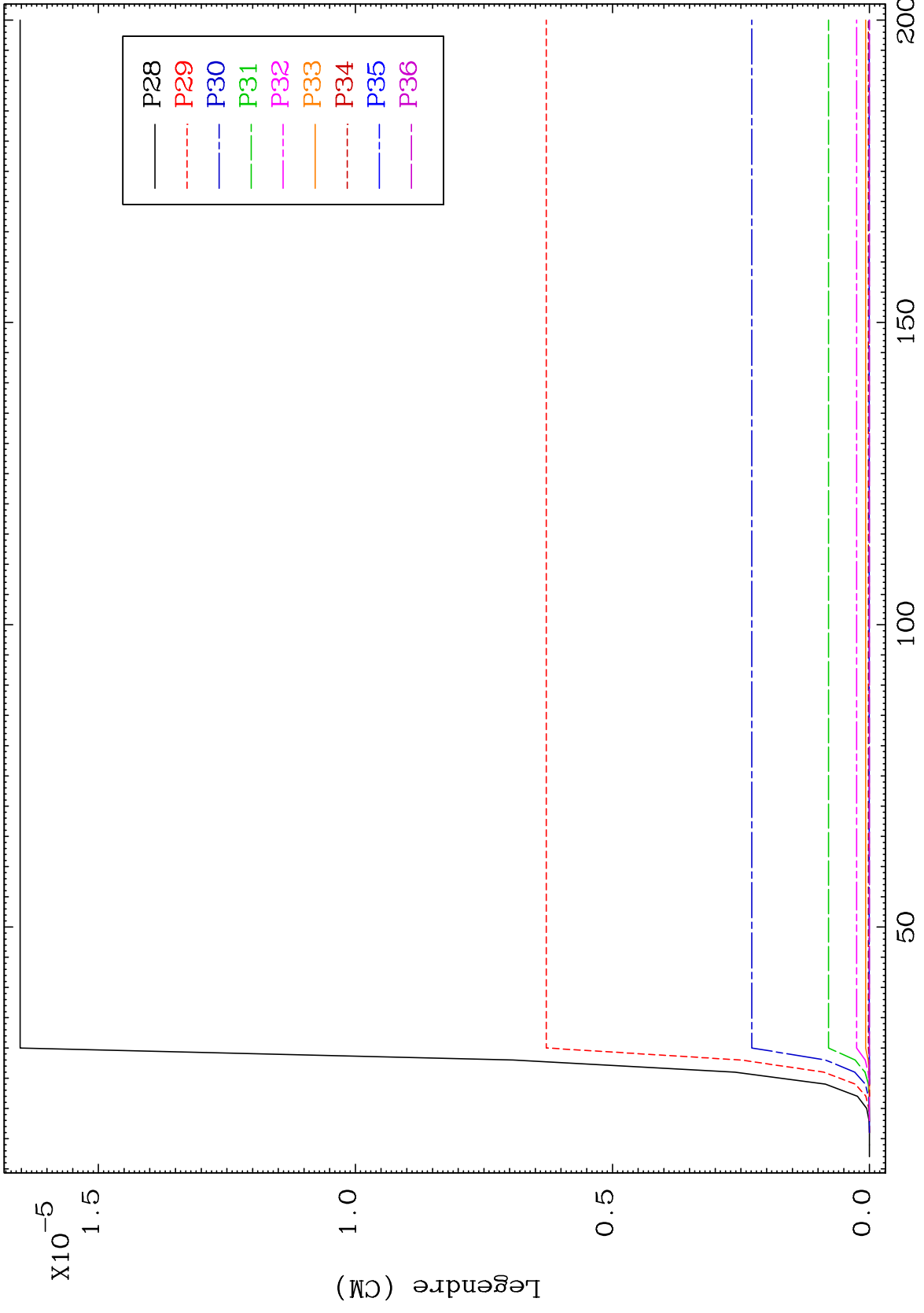
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



54

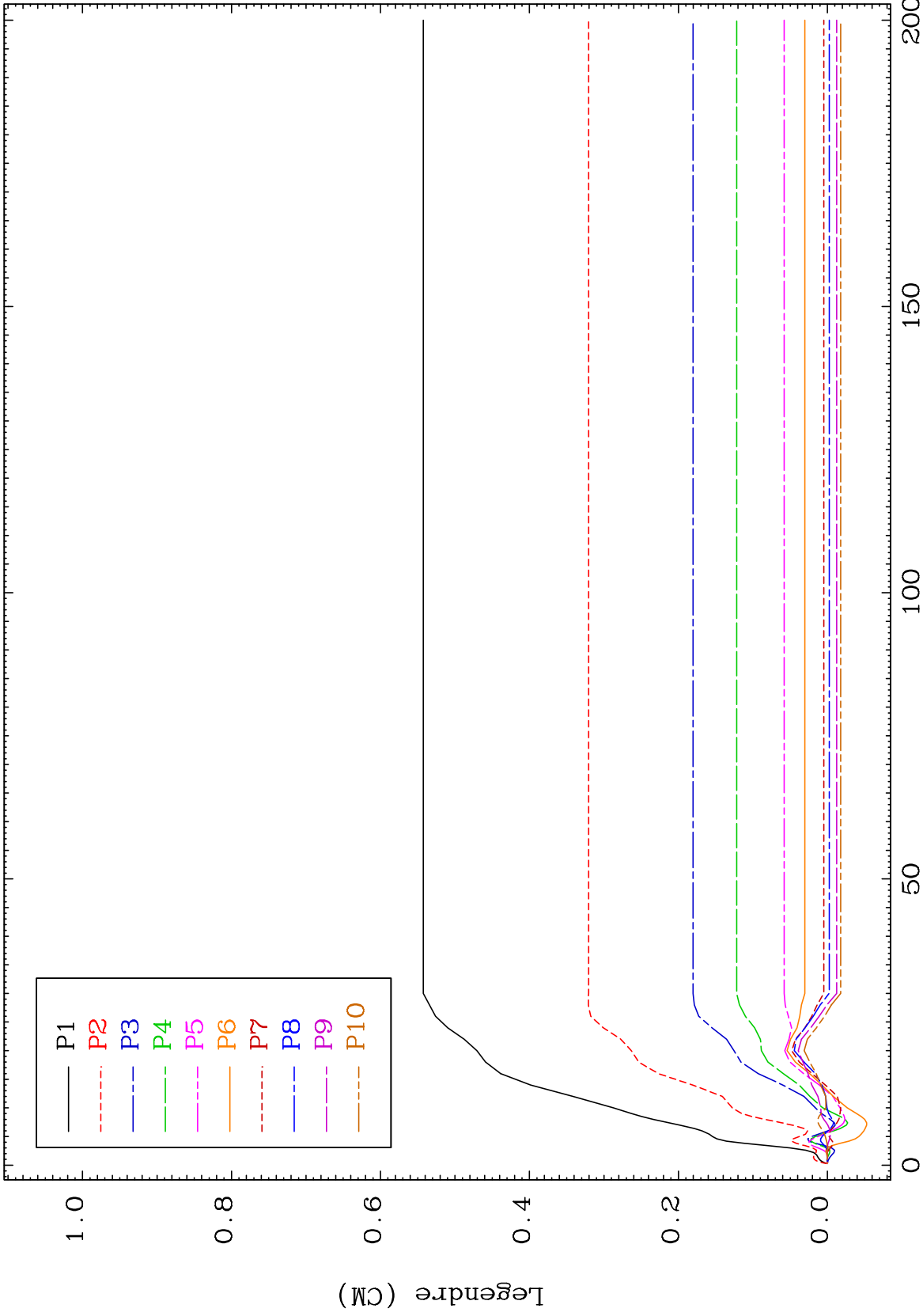
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



55

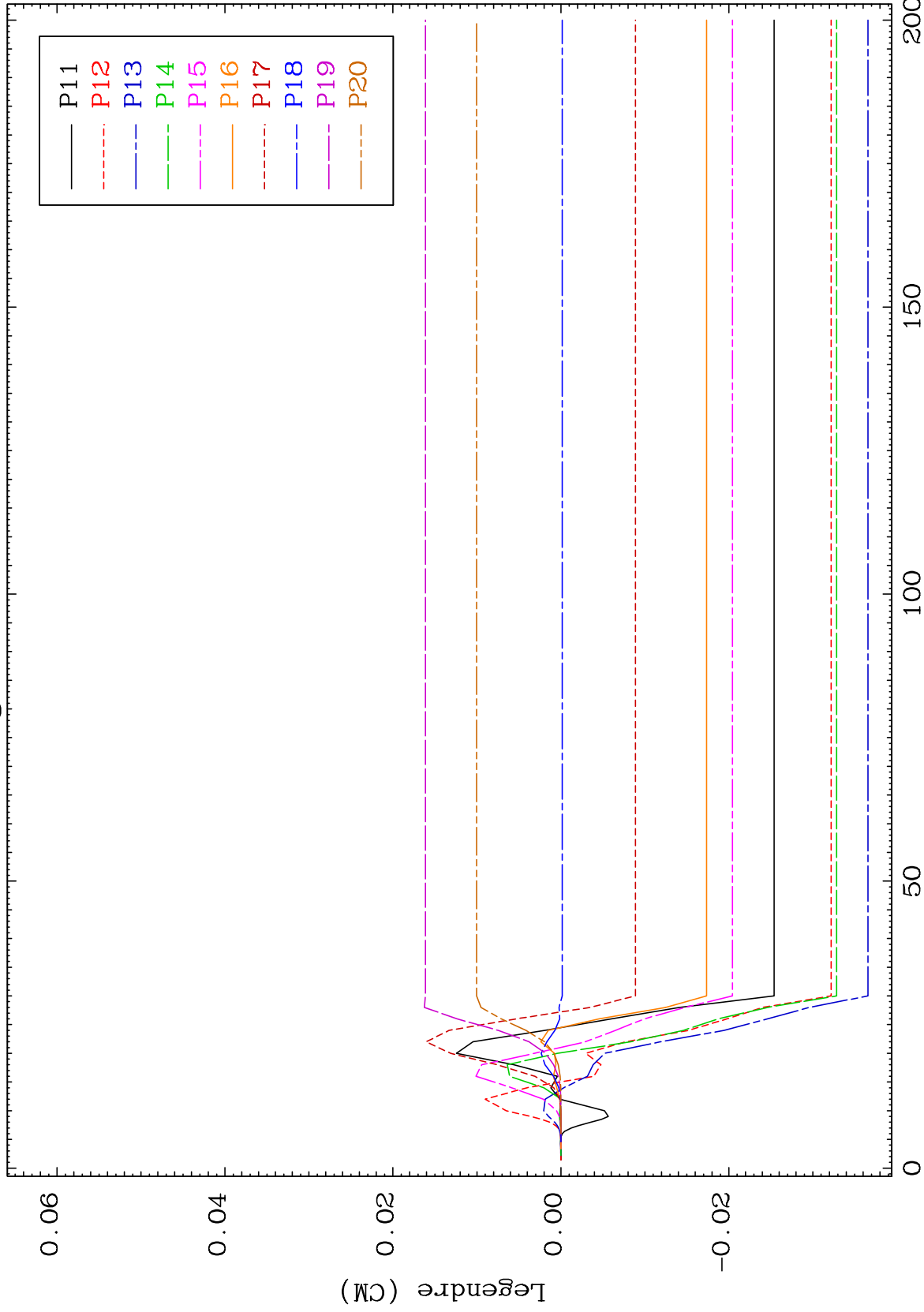
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



56

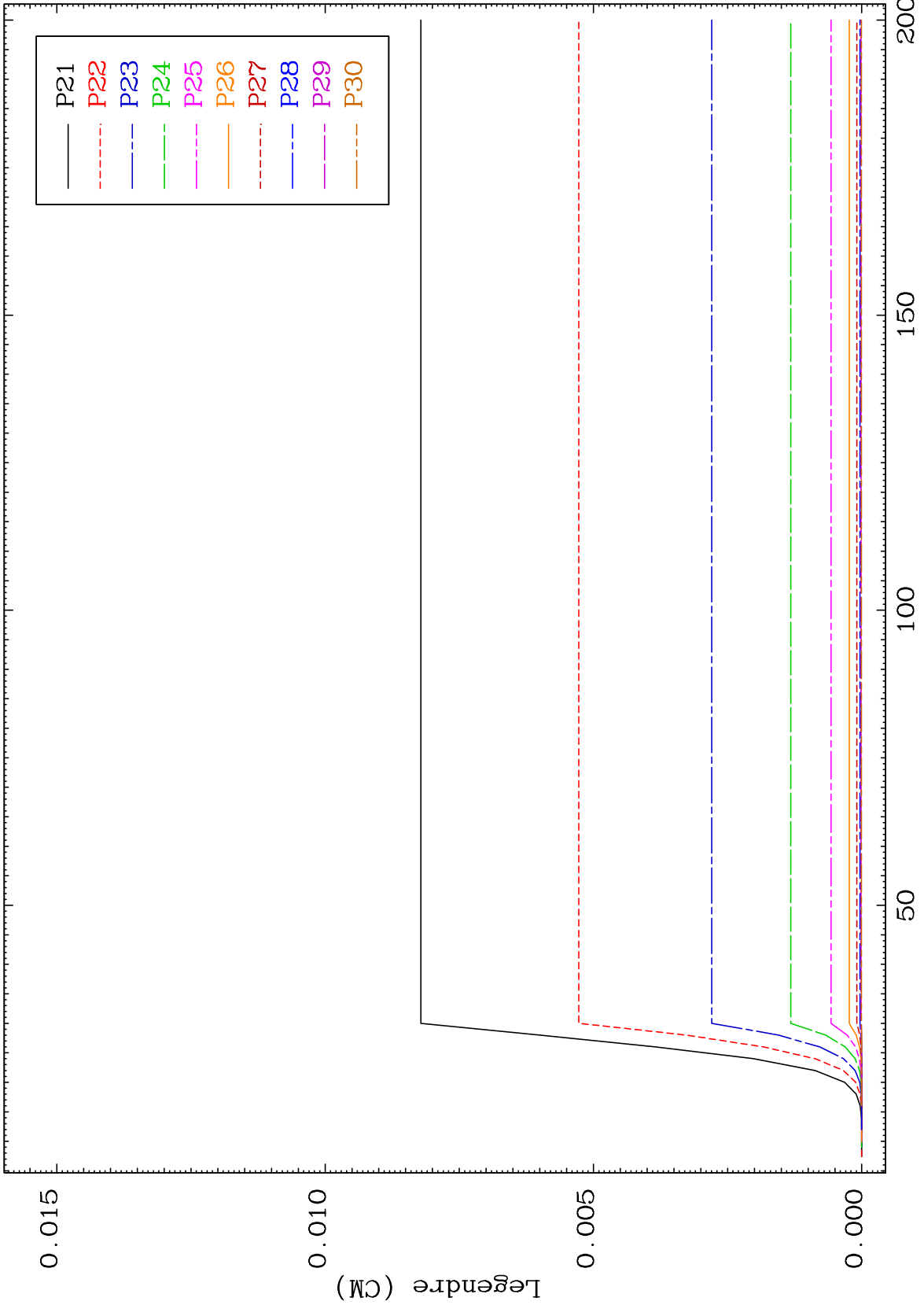
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



57

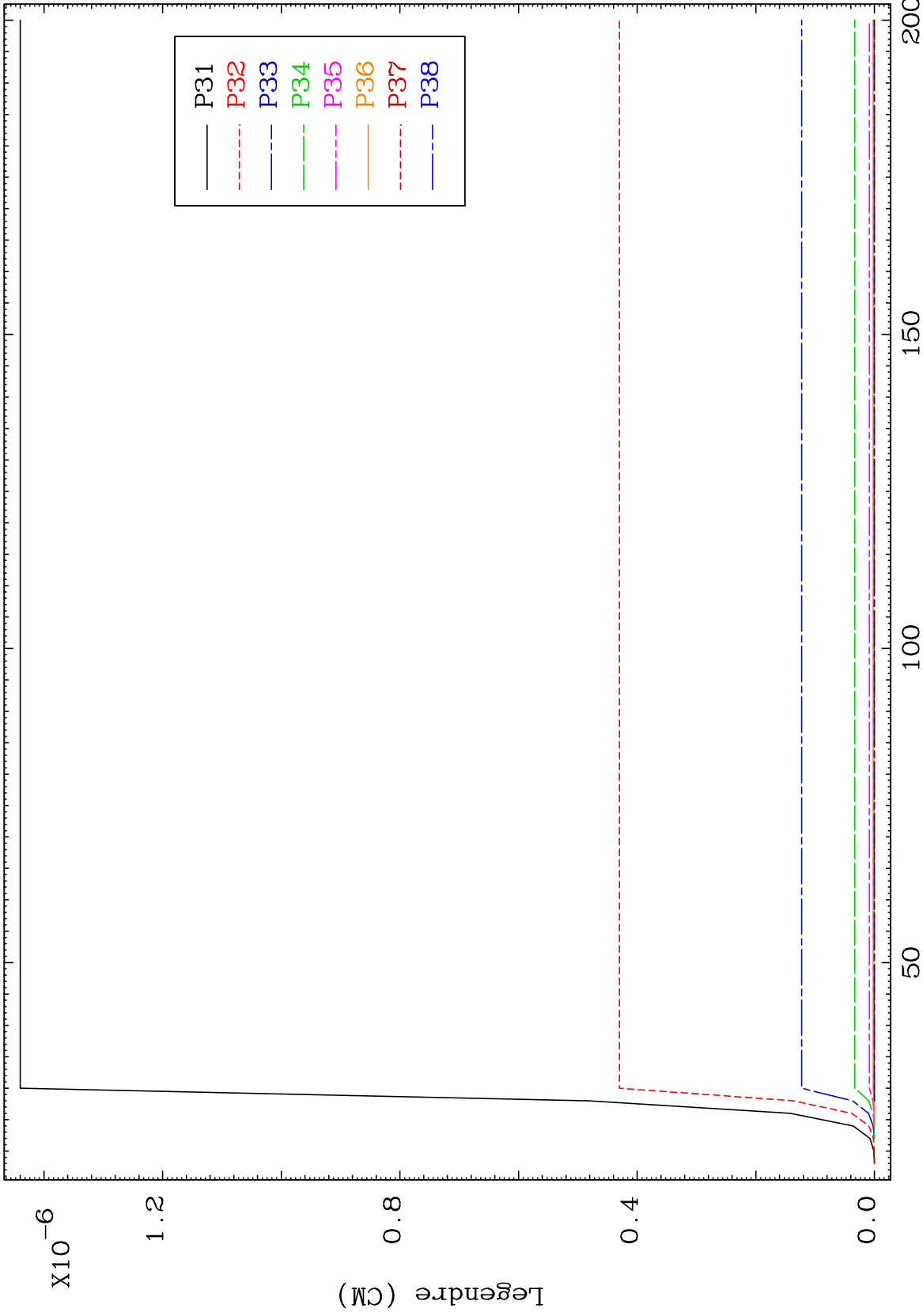
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



58

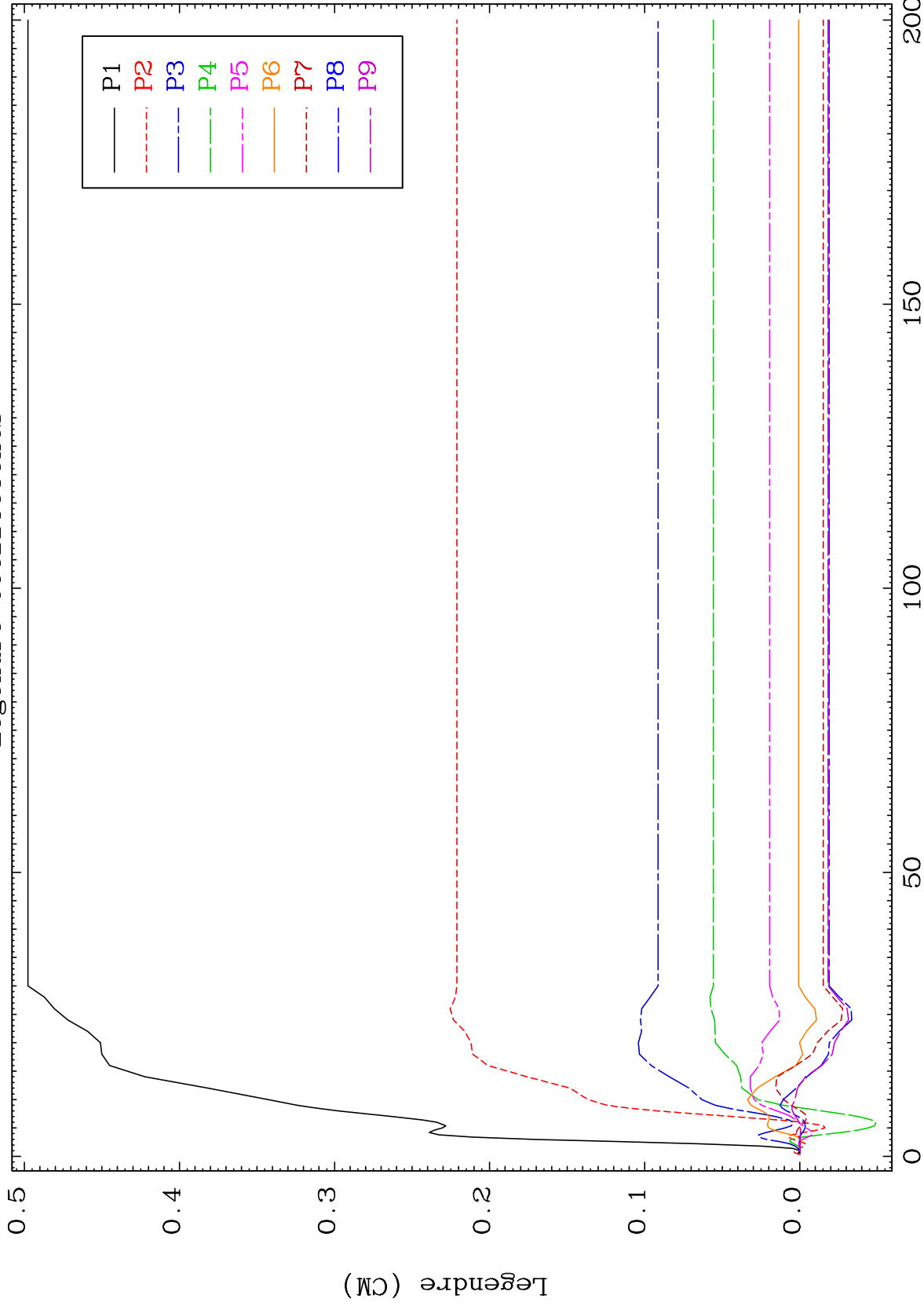
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



59

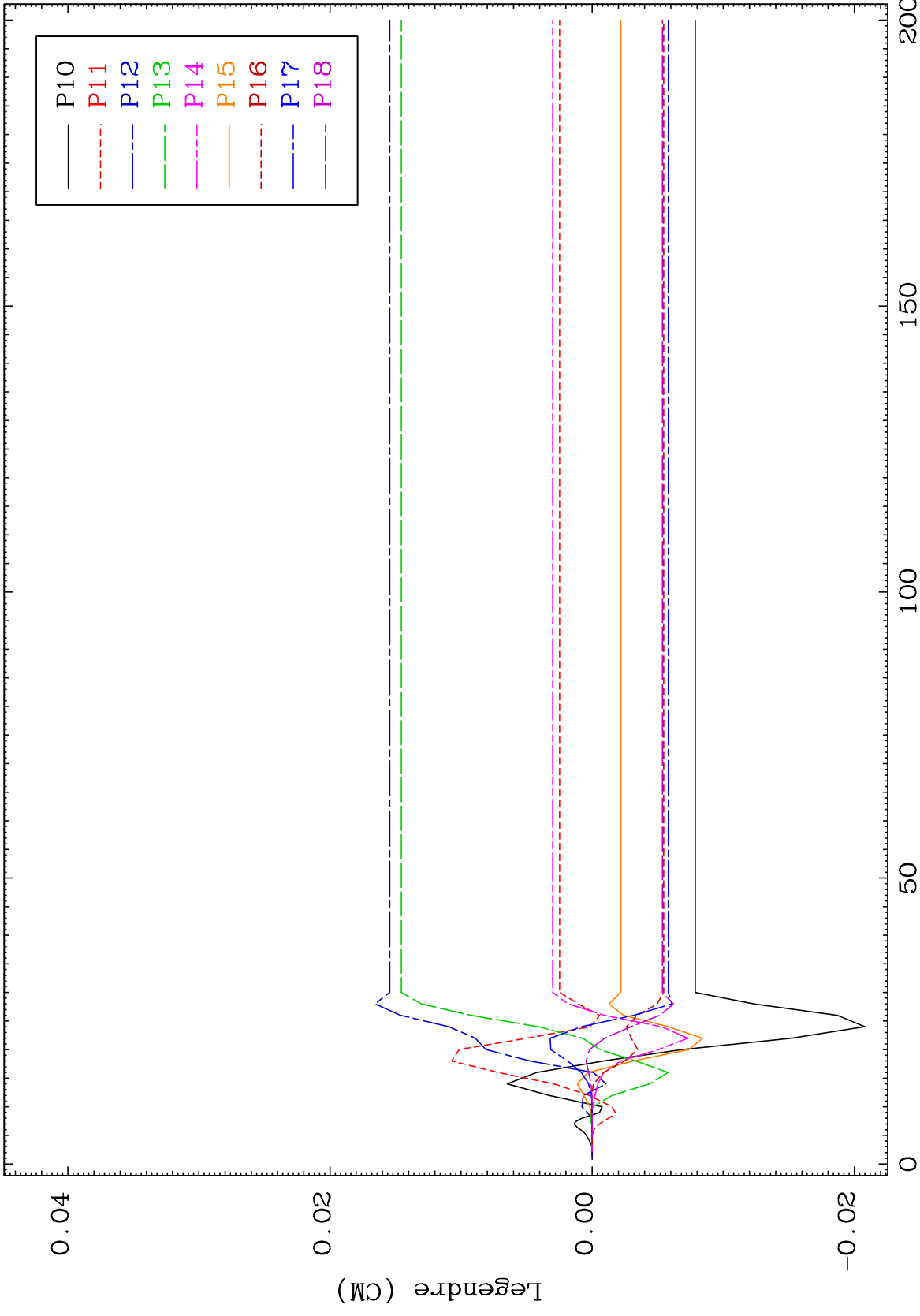
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



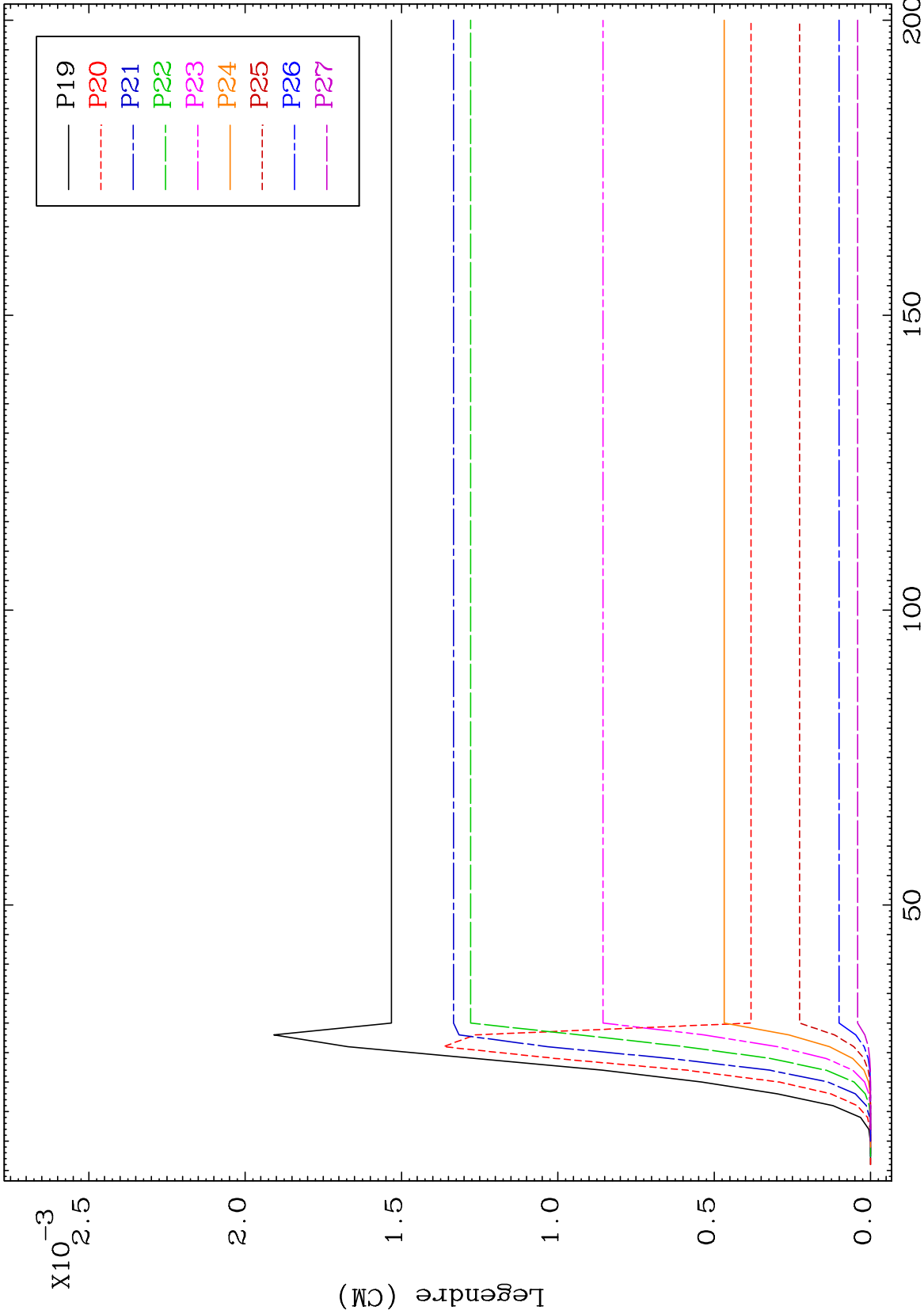
77-Ir-177

Incident Energy (MeV)

MAT 7683

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

77-Ir-177



61

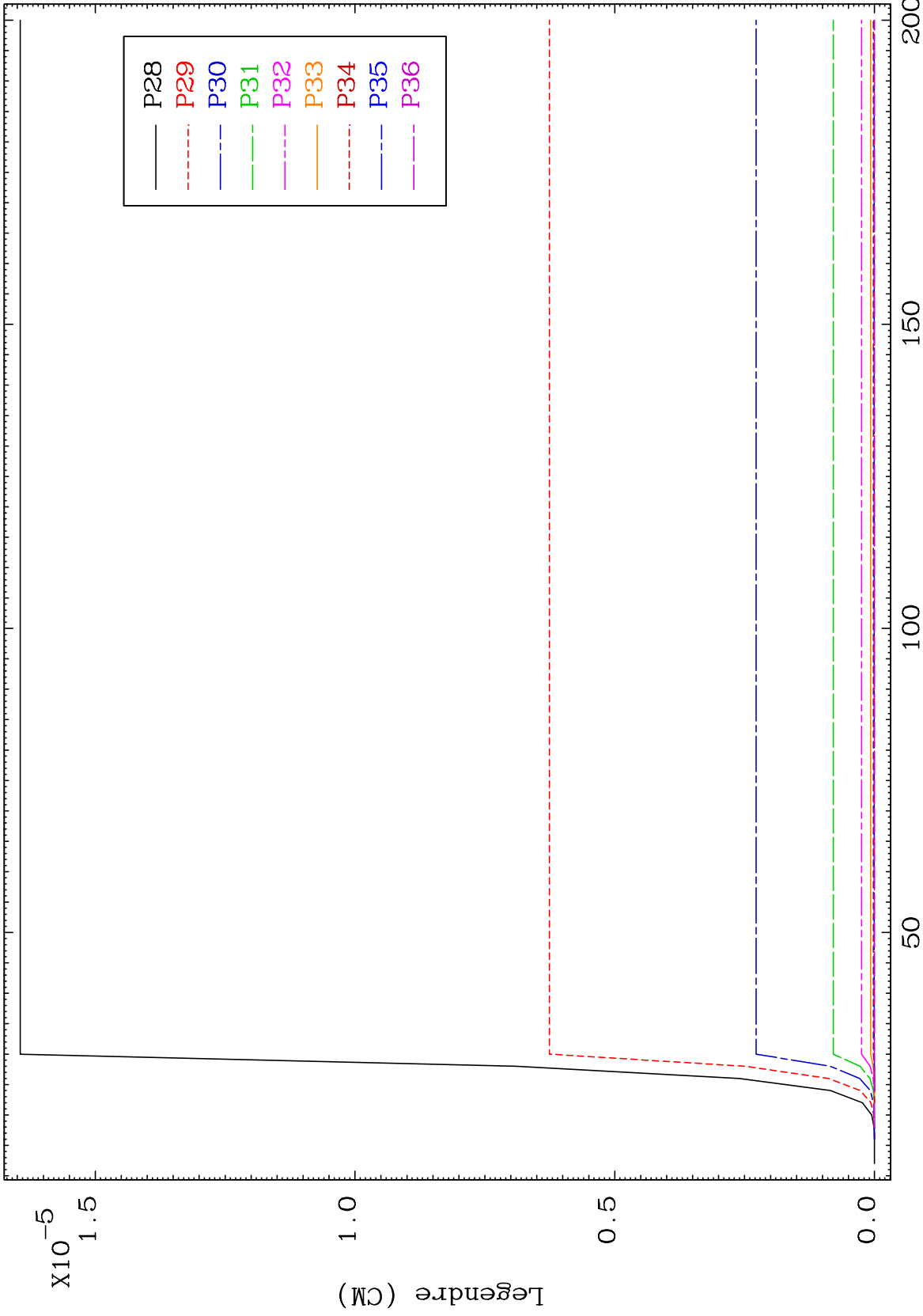
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



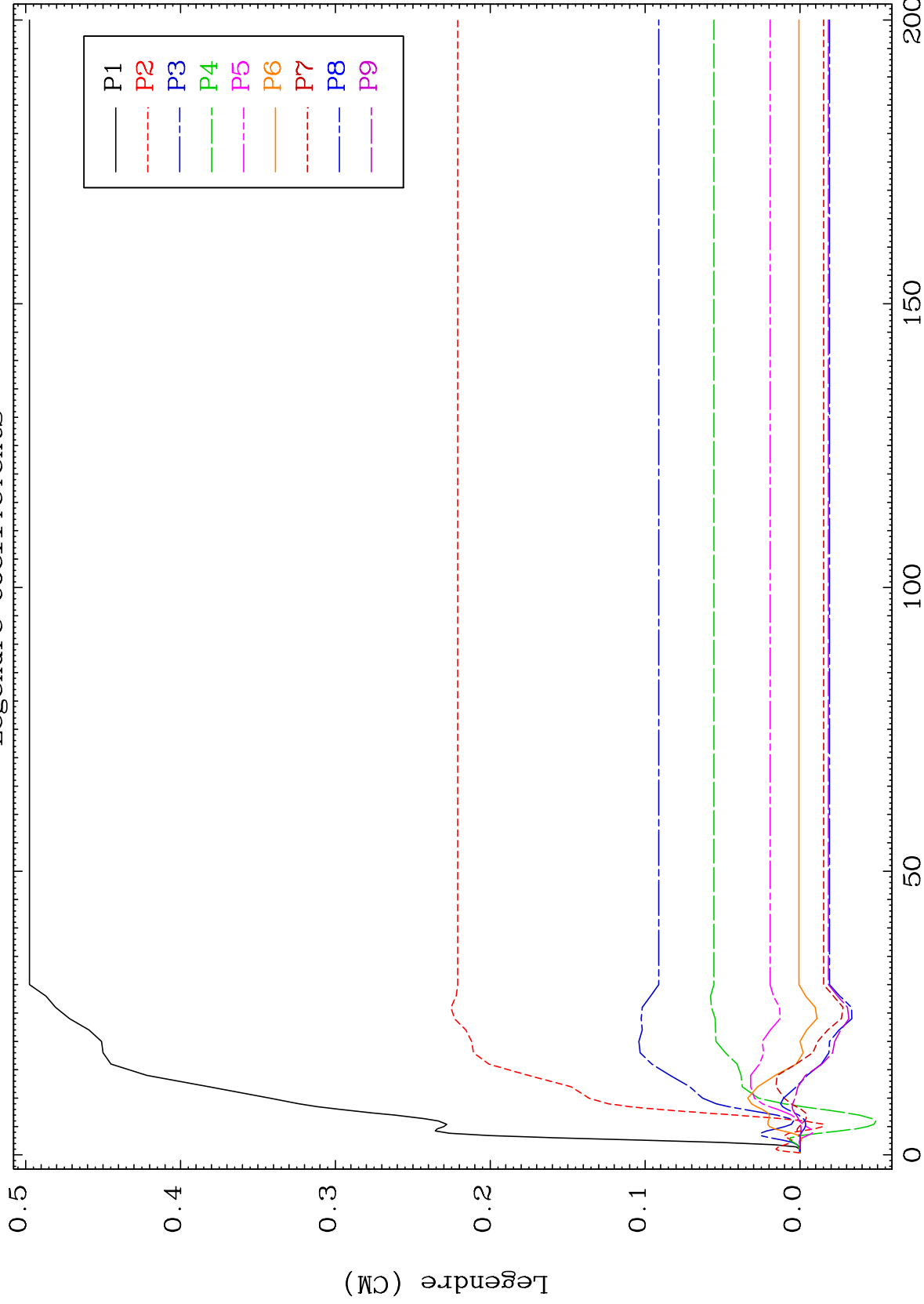
62

77-Ir-177

MAT 7683

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

77-Ir-177



63

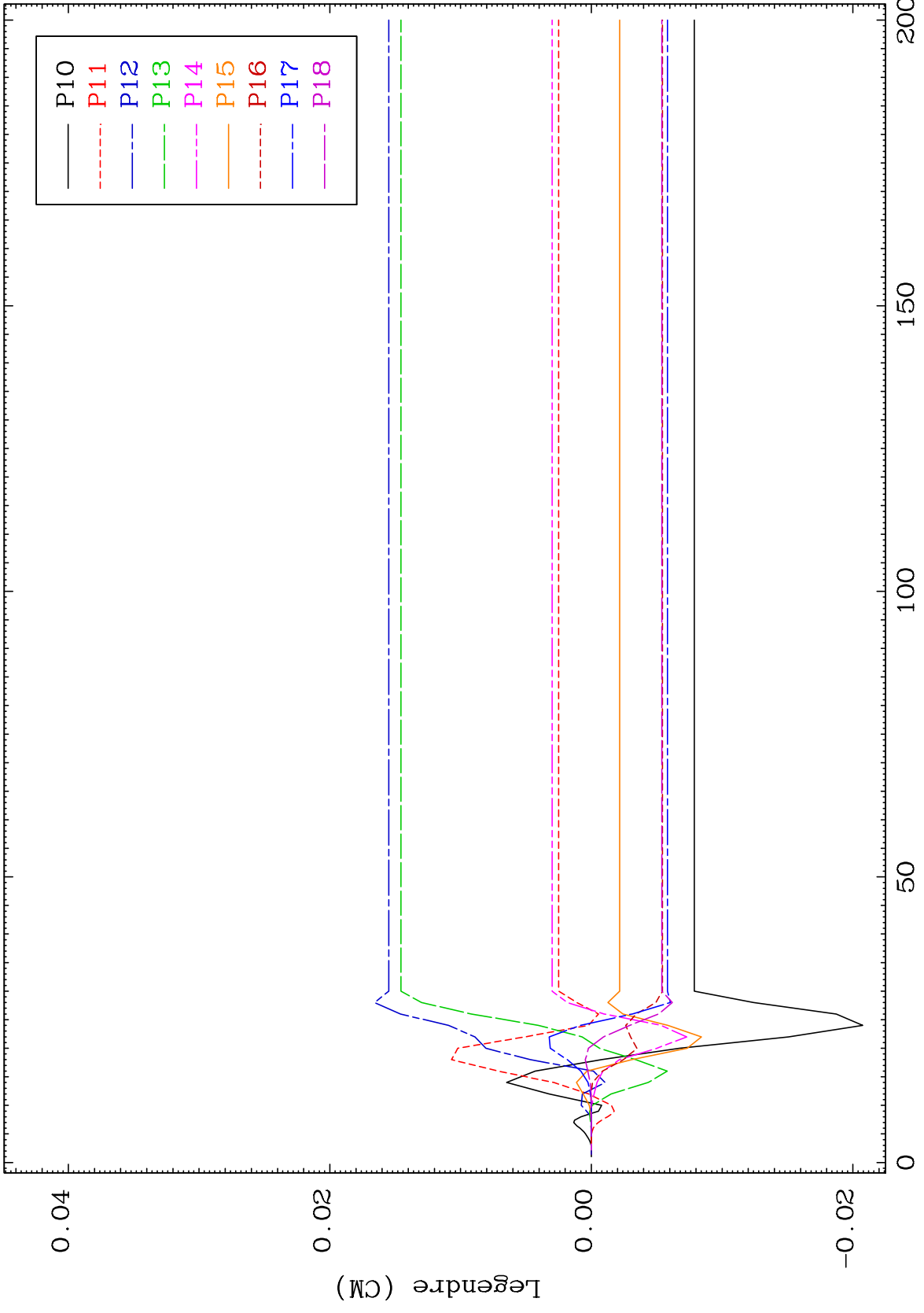
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



64

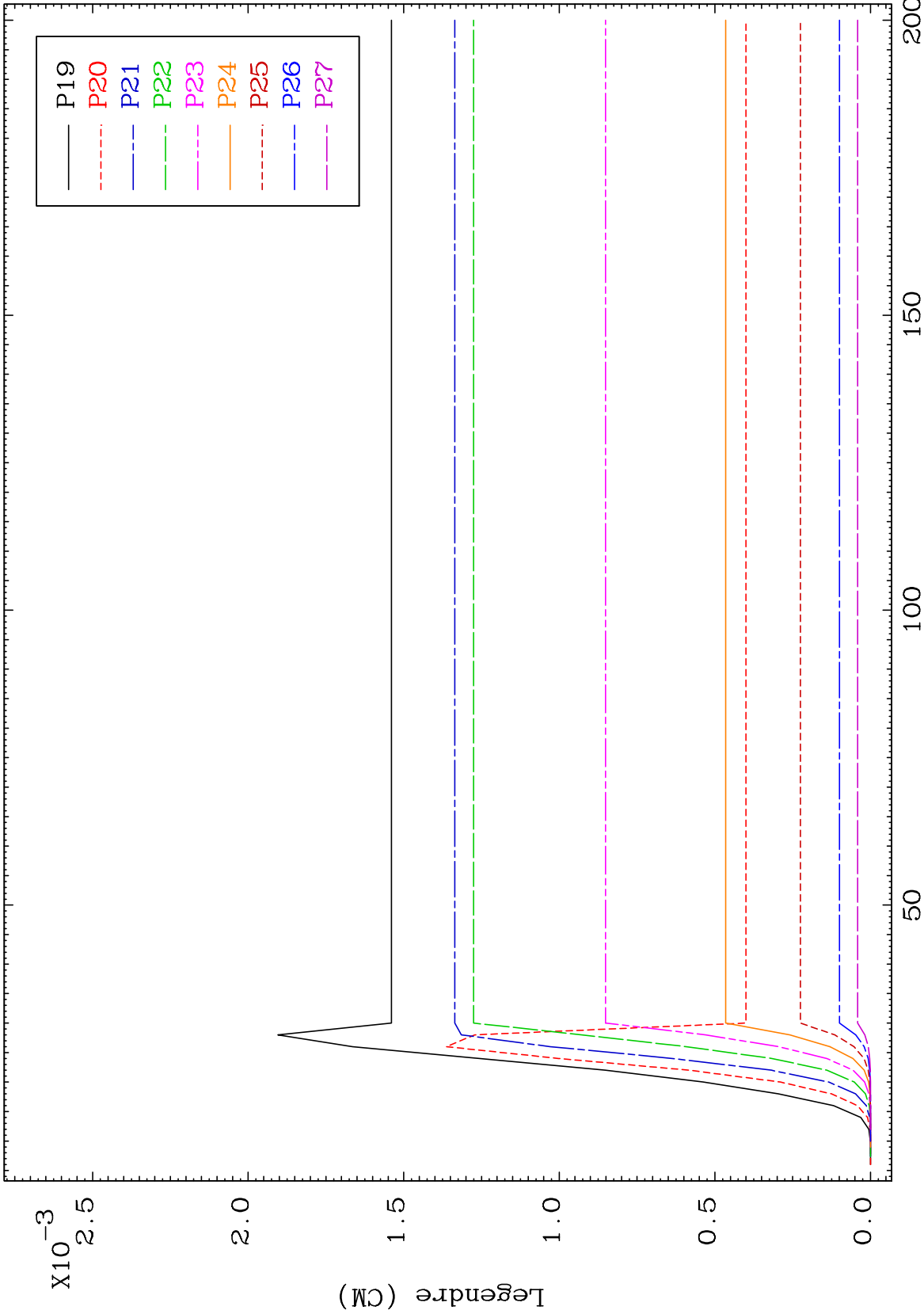
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



65

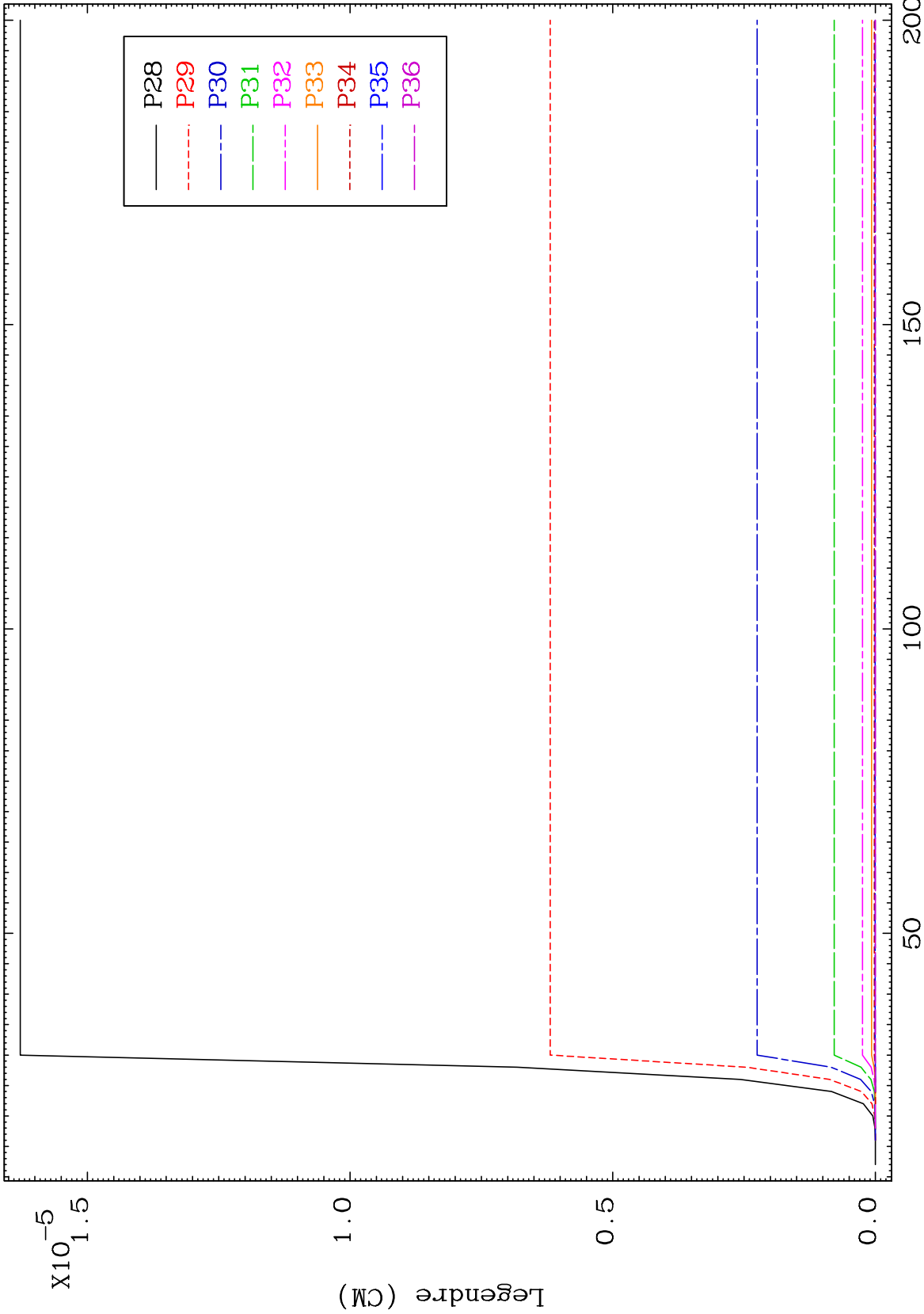
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



66

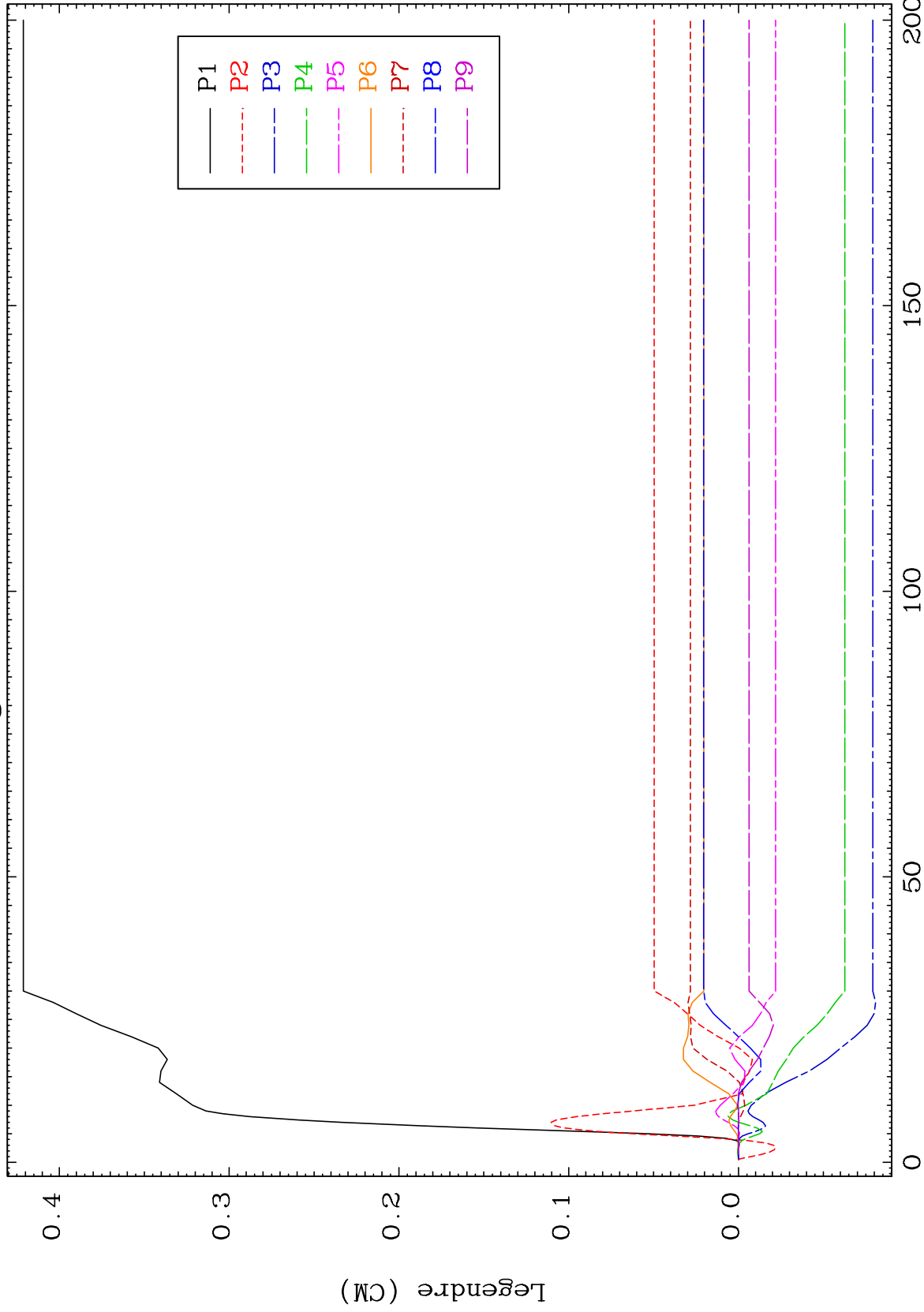
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



67

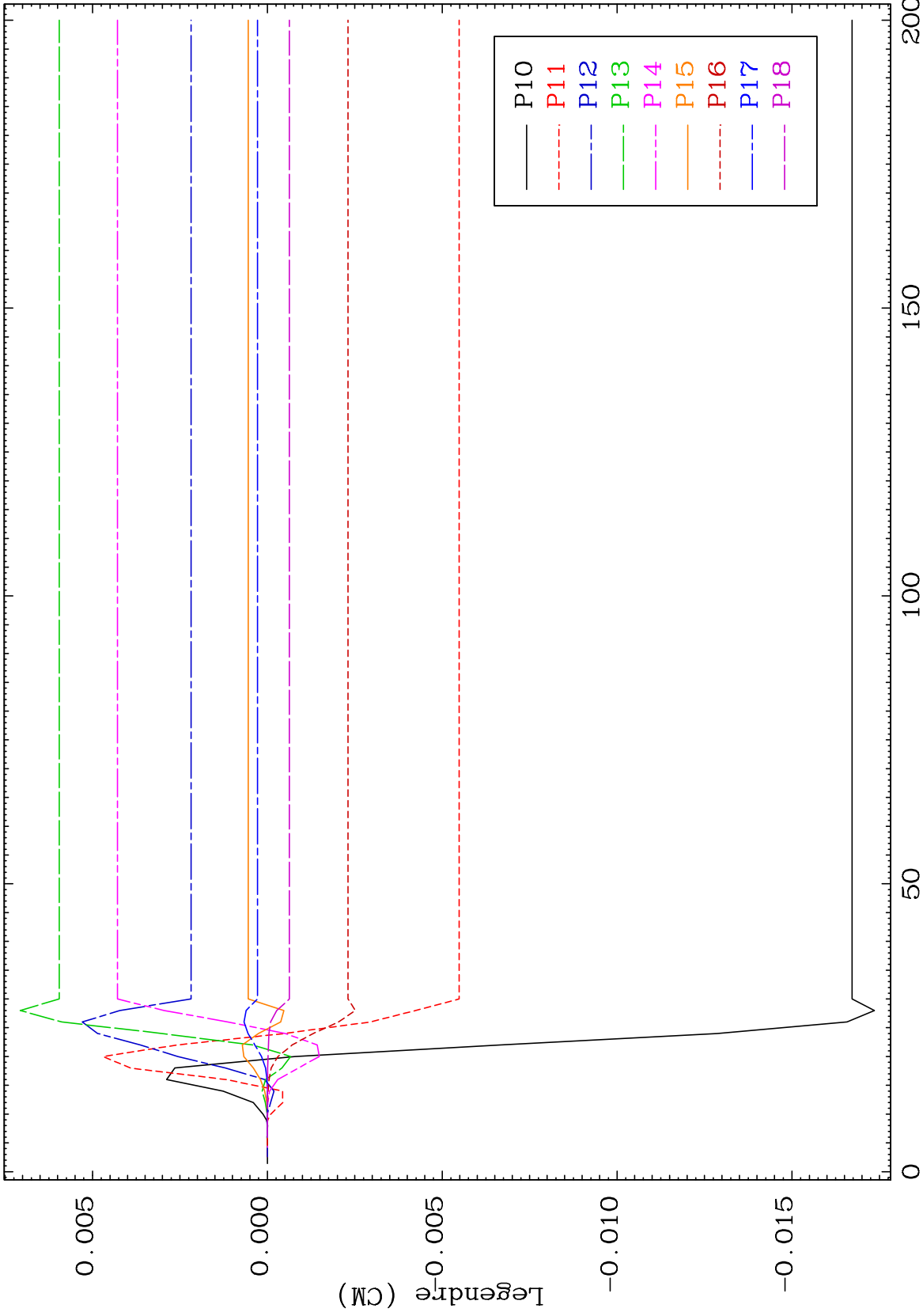
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



68

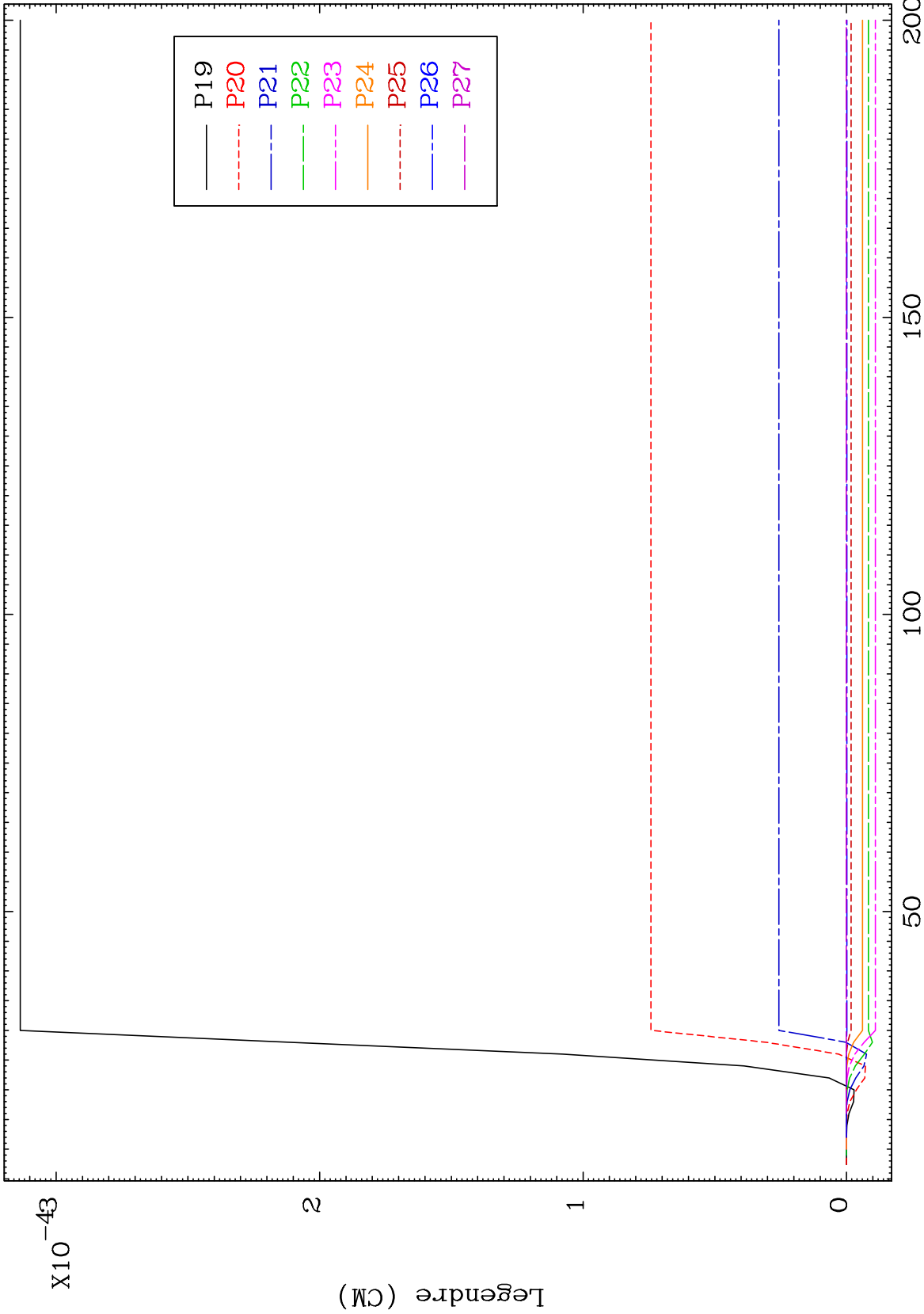
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



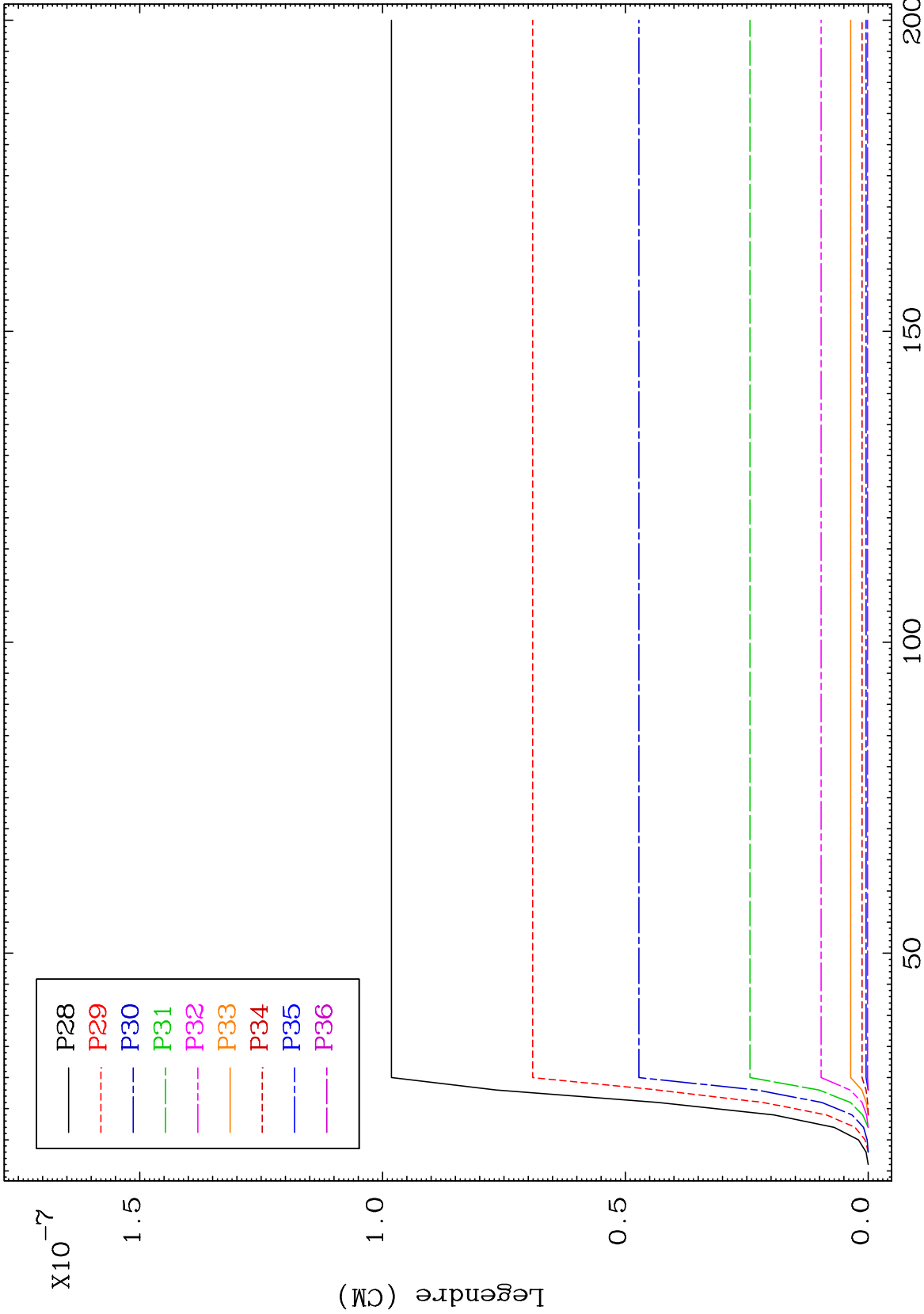
69

77-Ir-177

MAT 7683

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

77-Ir-177



70

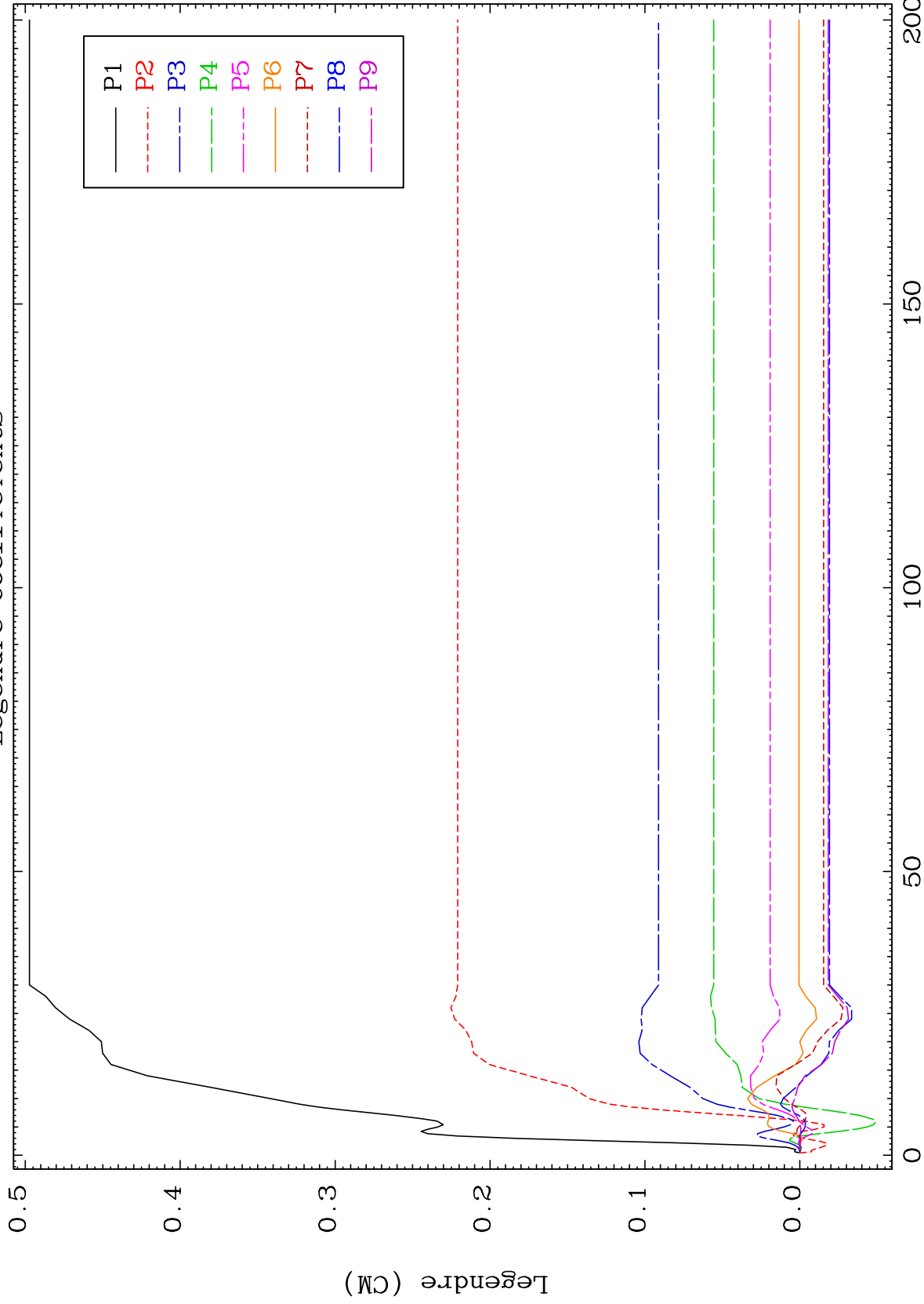
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



71

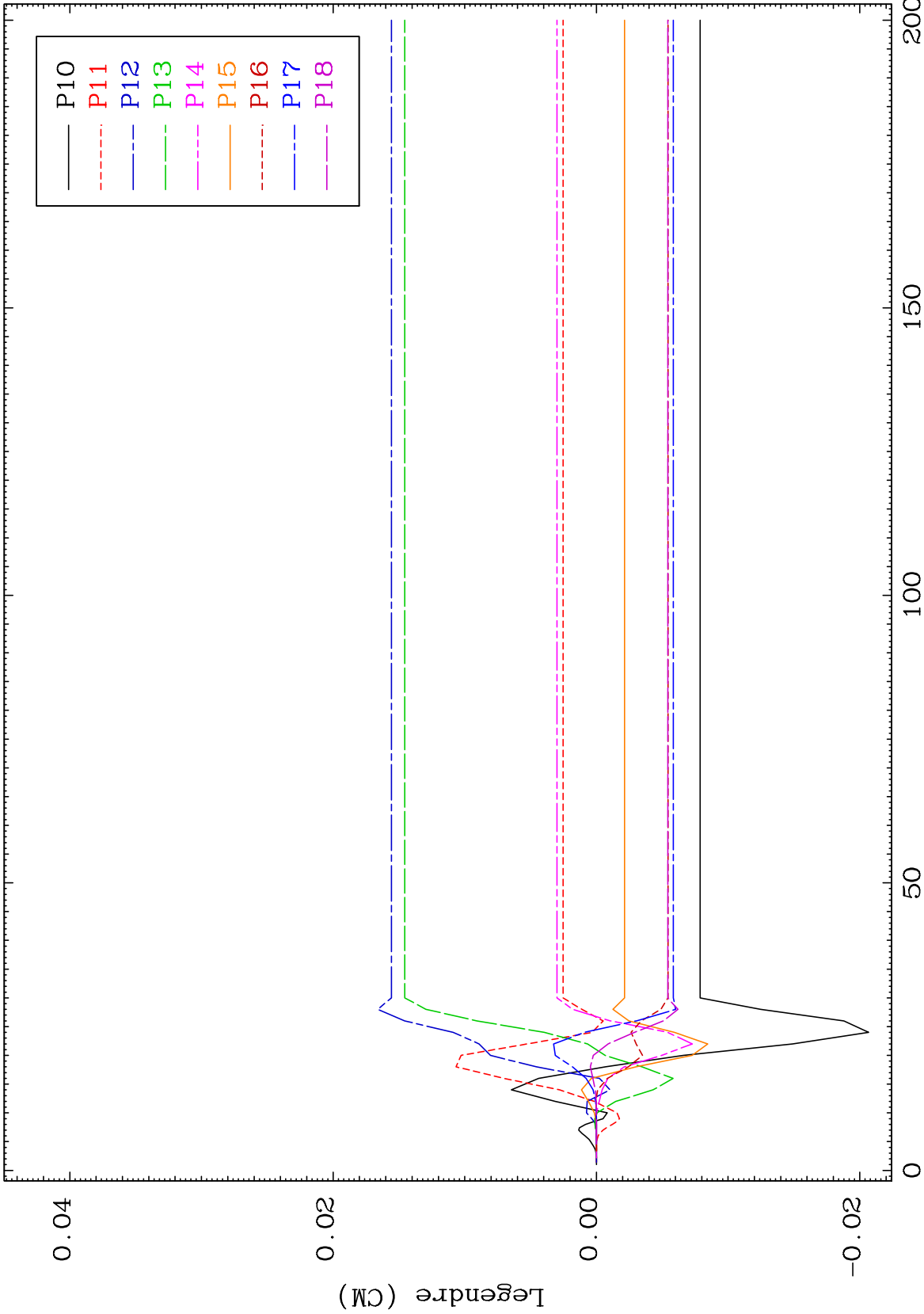
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



72

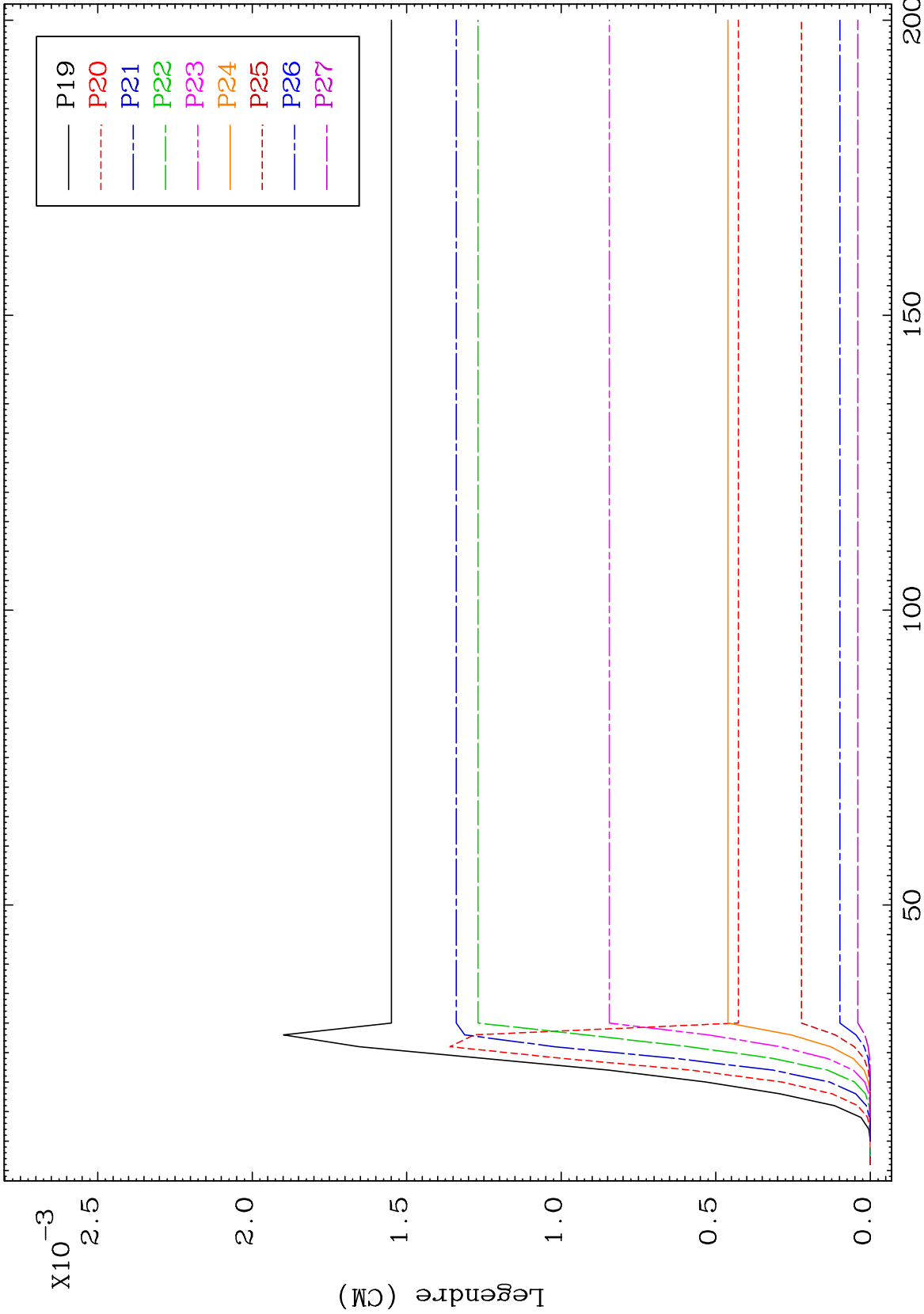
Incident Energy (MeV)

77-Ir-177

MAT 7683

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

77-Ir-177



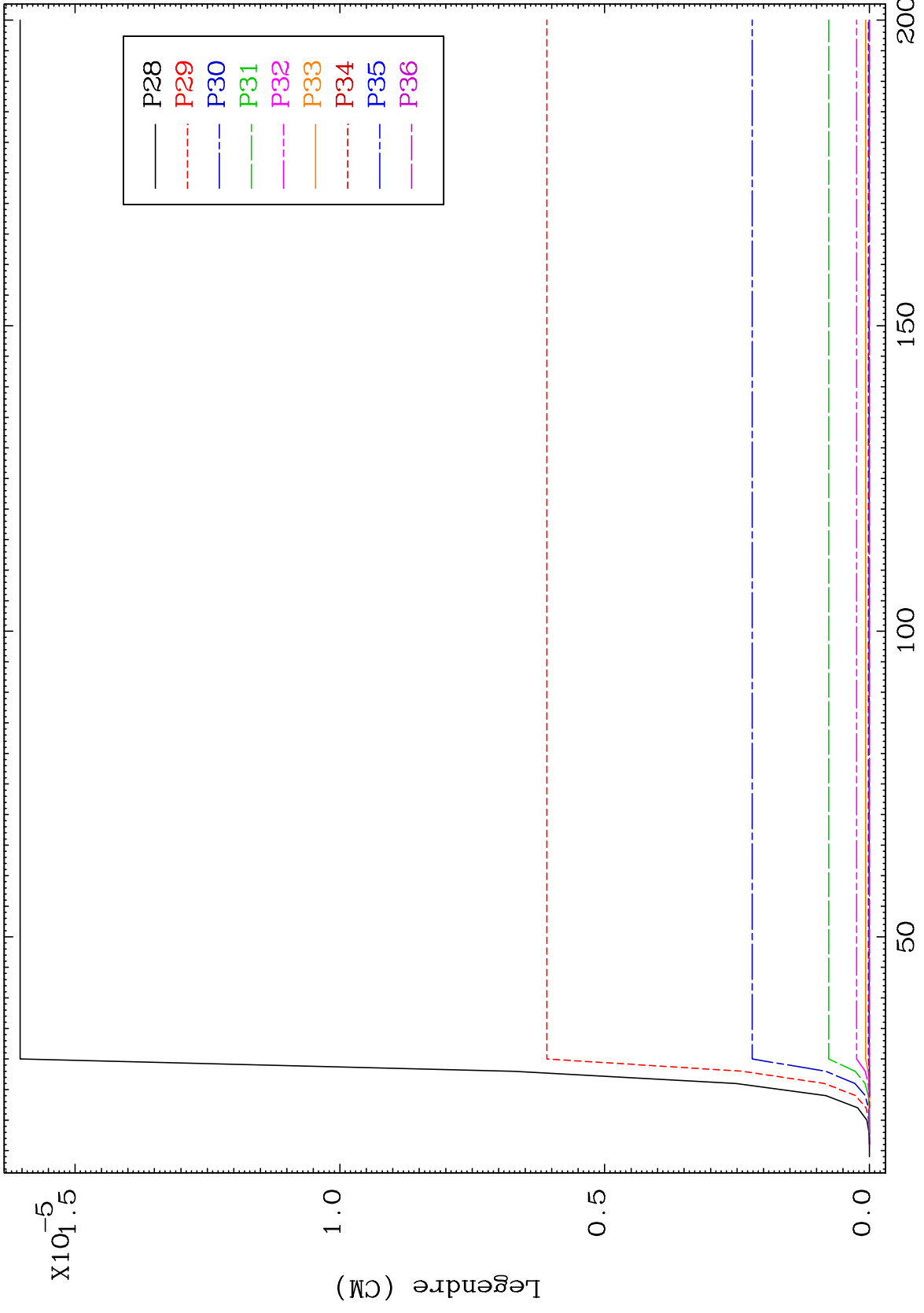
73

77-Ir-177

MAT 7683

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

77-Ir-177



74

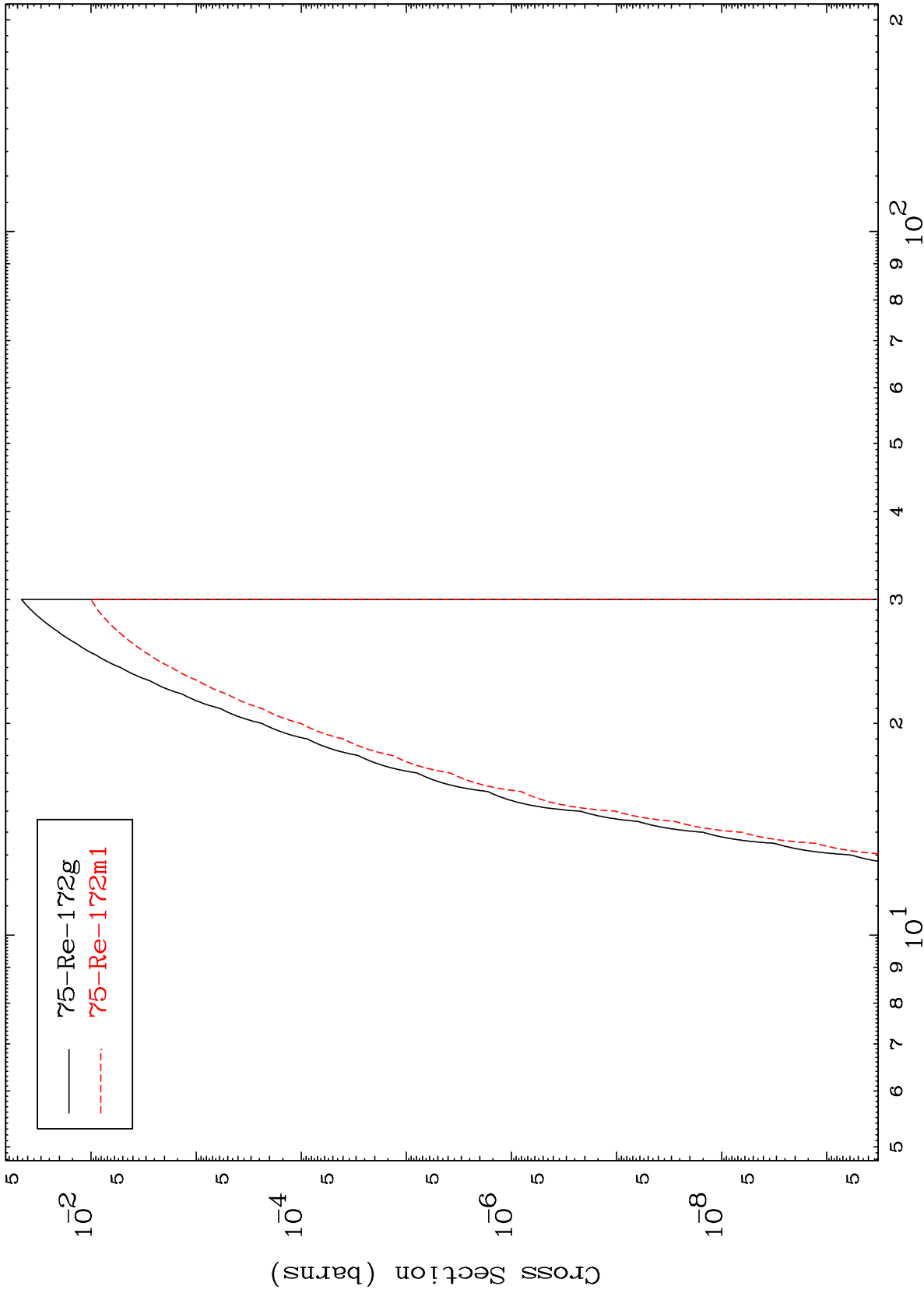
77-Ir-177

MAT 7683

^{77}Ir α

^{77}Ir -177

Radionuclide Production Cross Section



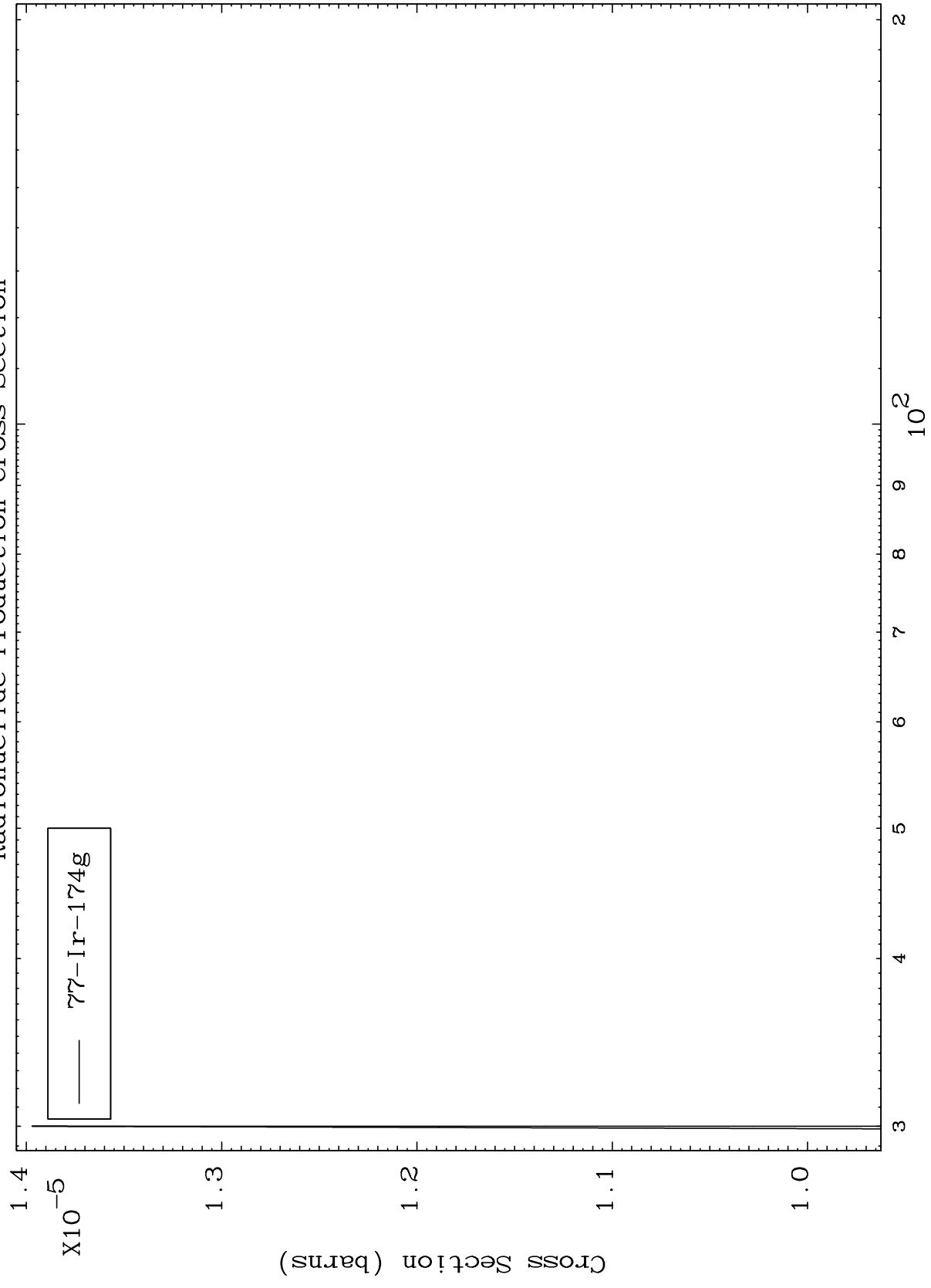
75-Re-172g
75-Re-172m1

MAT 7683

(n,4n)

⁷⁷Ir-177

Radionuclide Production Cross Section



76

Incident Energy (MeV)

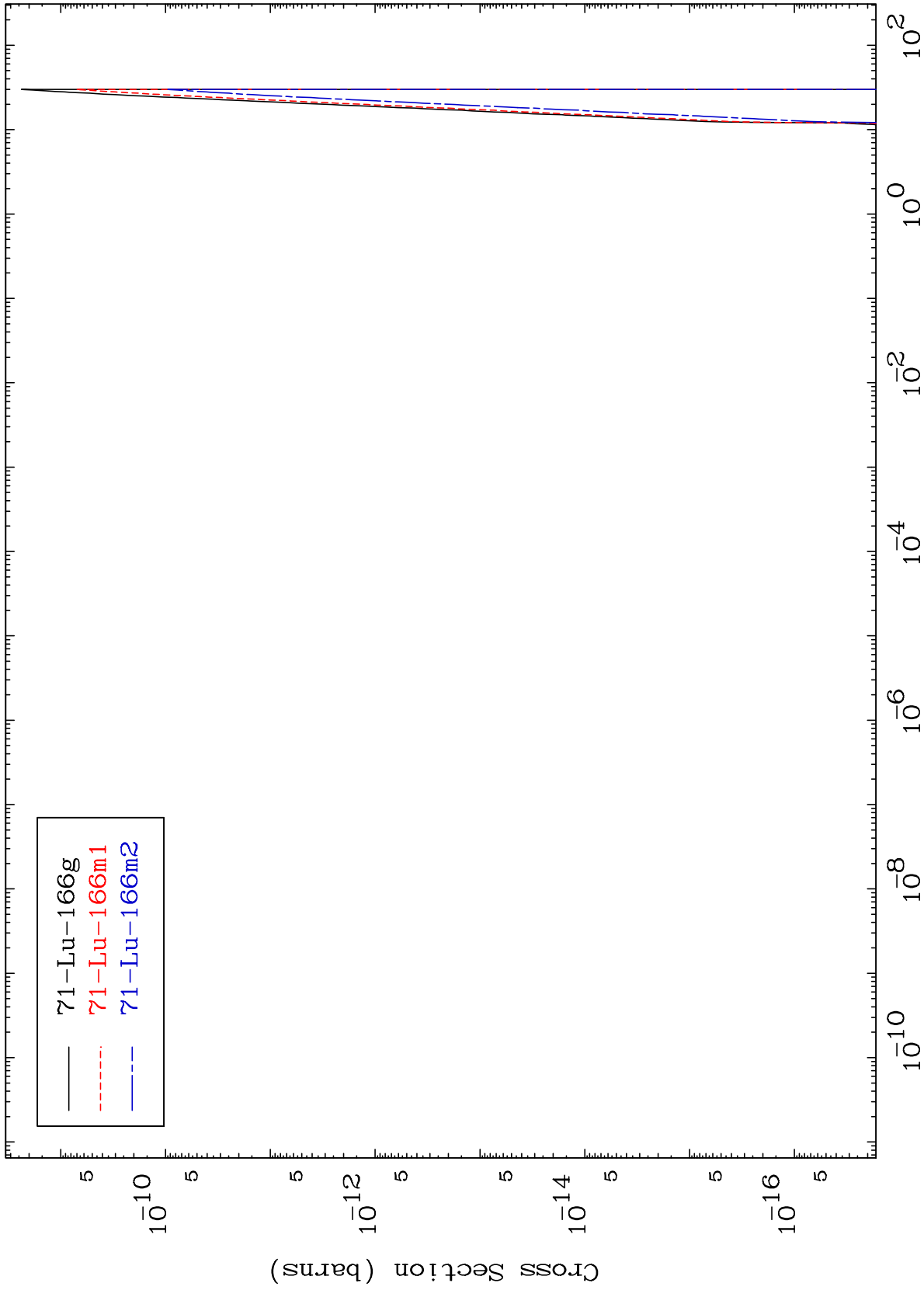
⁷⁷Ir-177

MAT 7683

(n,3α)

⁷⁷Ir-177

Radionuclide Production Cross Section



77

Incident Energy (MeV)

⁷⁷Ir-177