

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

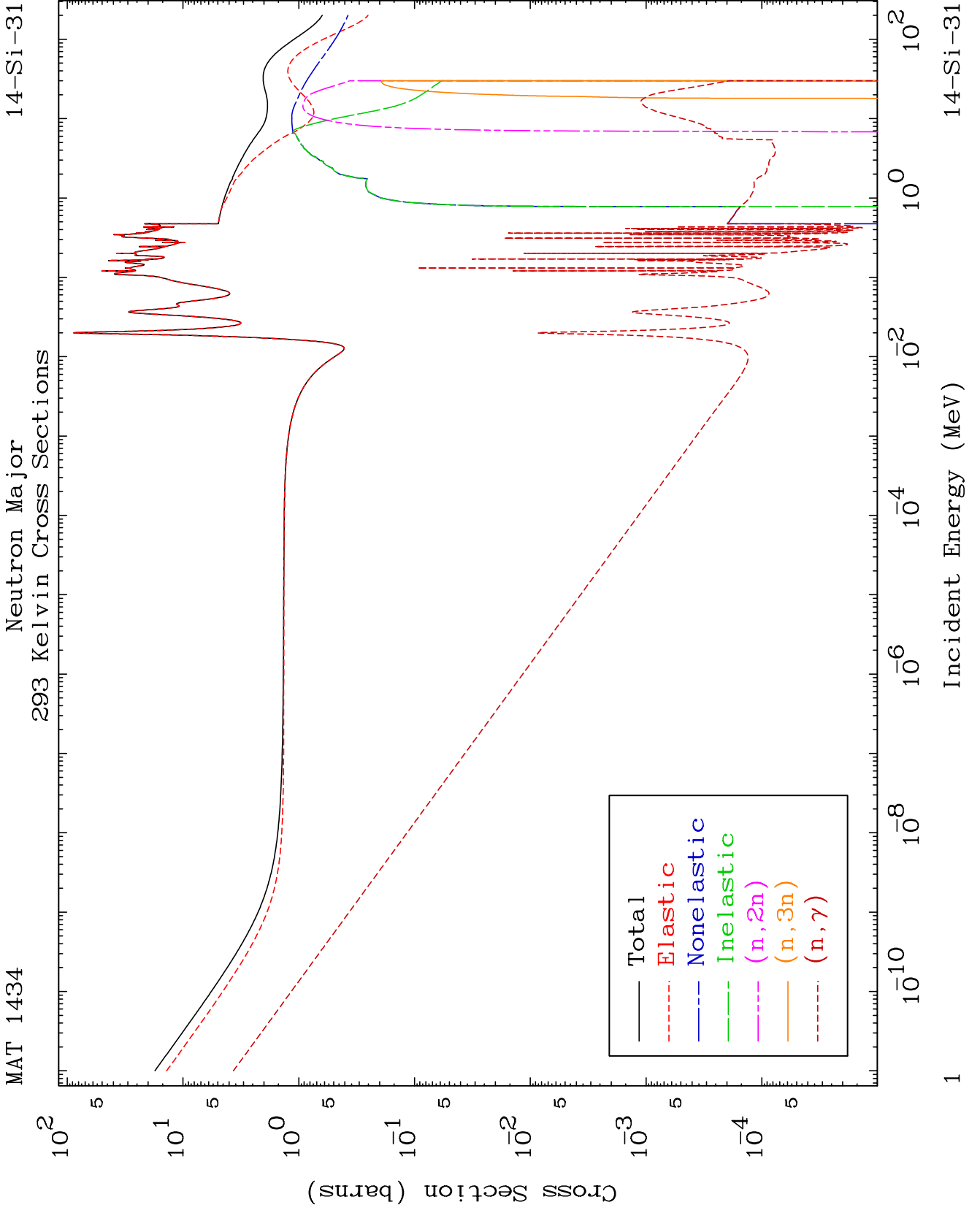
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Web:redcullen1.net/HOMEPAGE.NEW

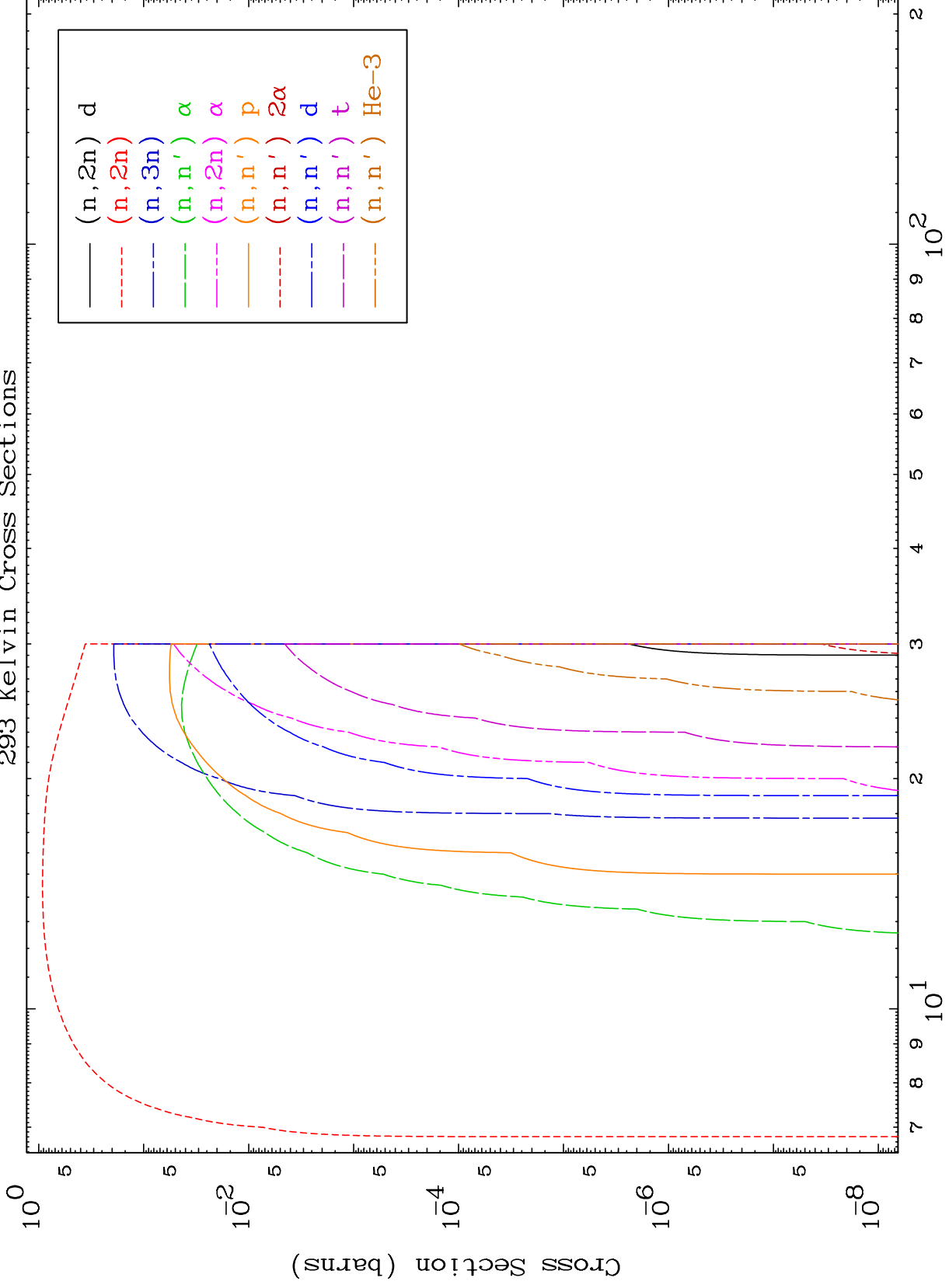
Press Mouse Button to Start



MAT 1434

Neutron Absorption
293 Kelvin Cross Sections

14-Si-31



2

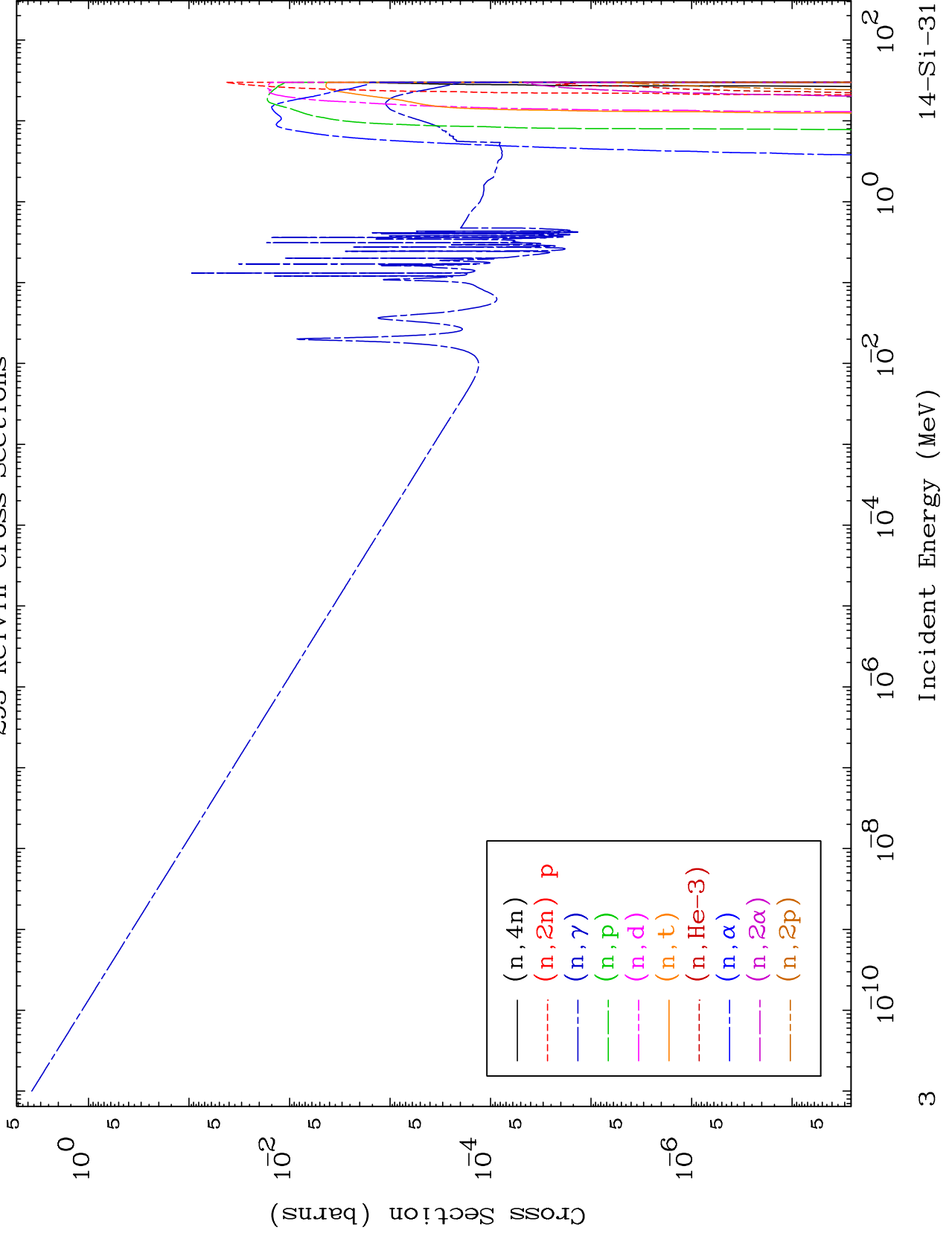
Incident Energy (MeV)

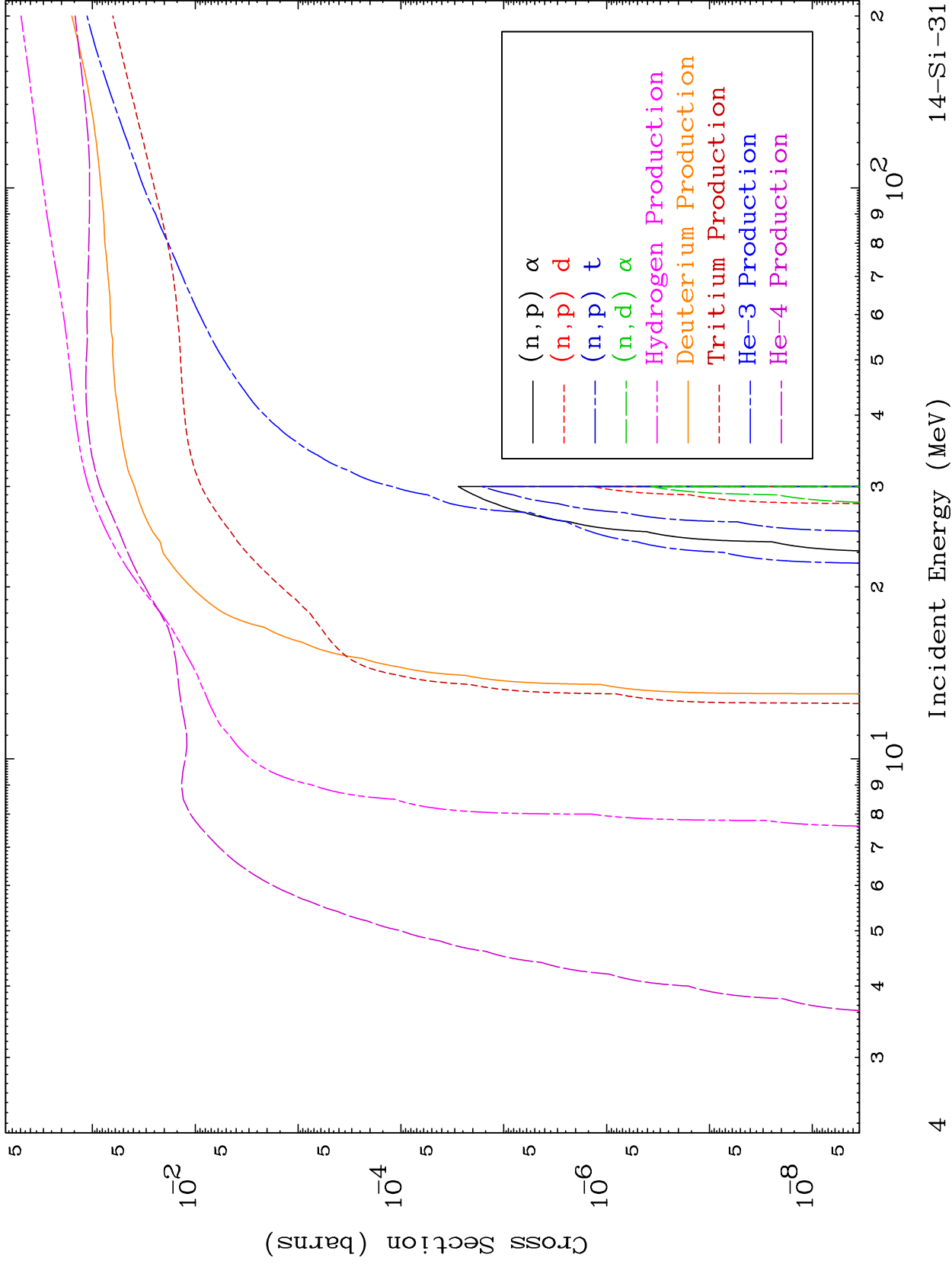
14-Si-31

MAT 1434

Neutron Absorption
293 Kelvin Cross Sections

14-Si-31

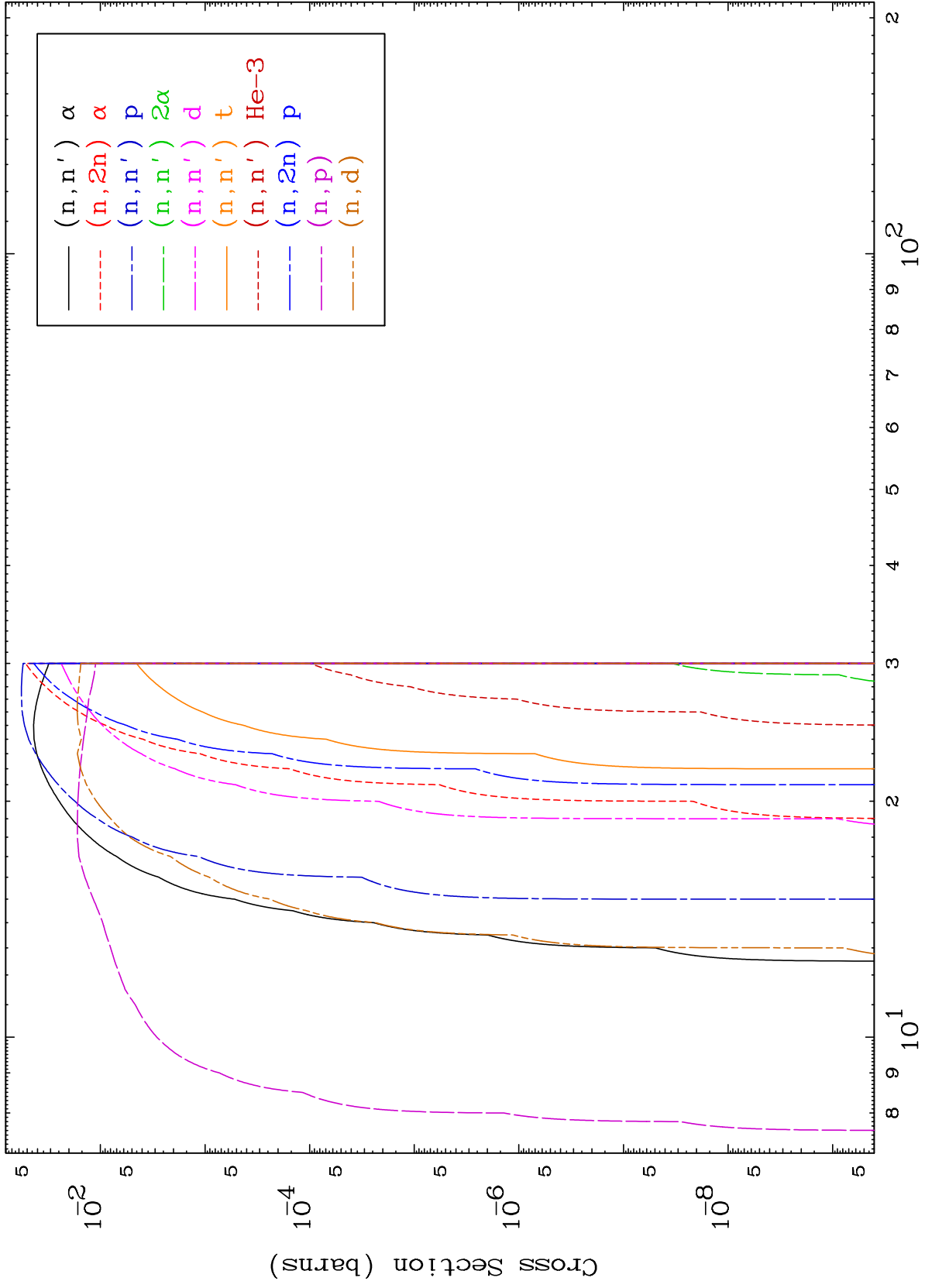




MAT 1434

Charged Particle
293 Kelvin Cross Sections

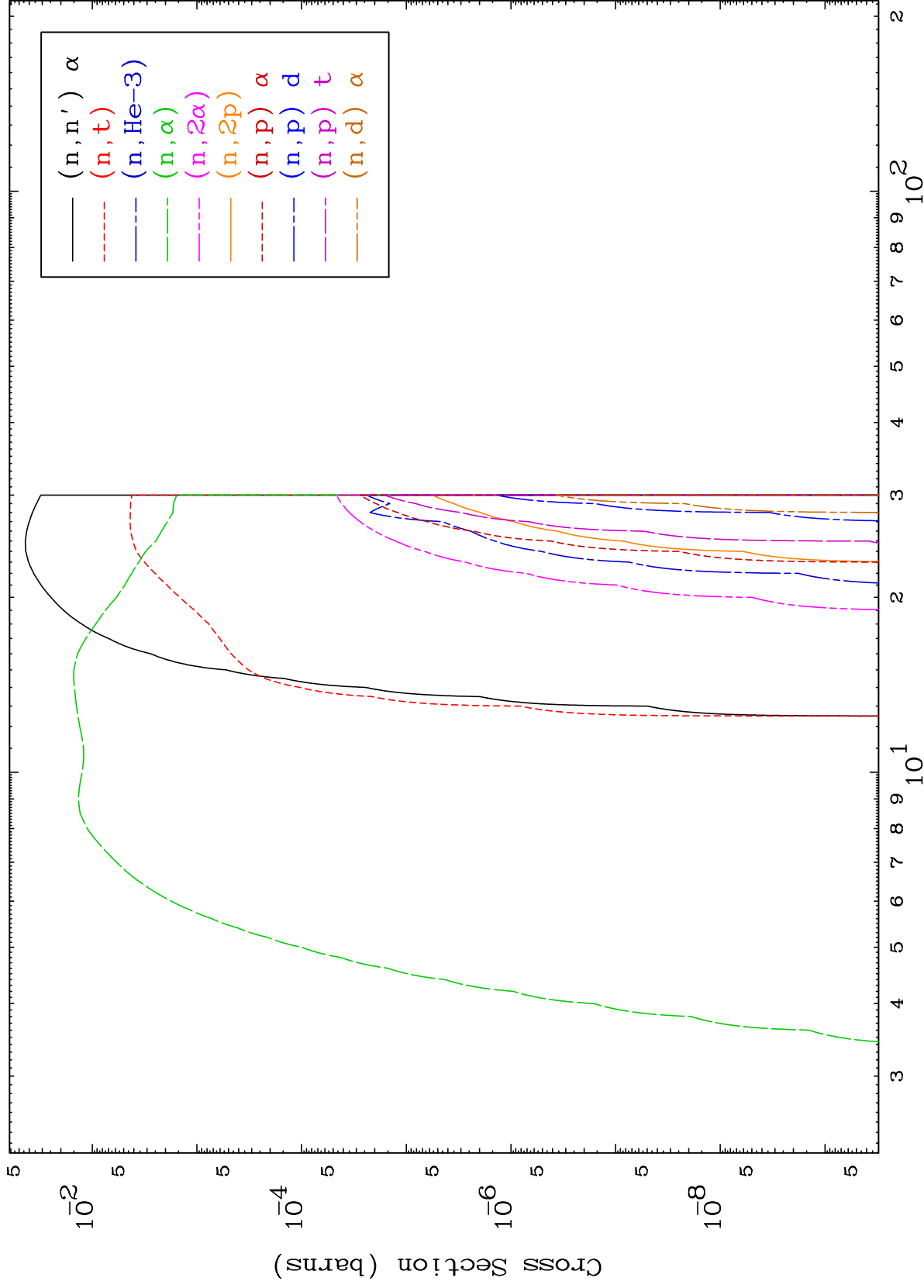
14-Si-31



5

Incident Energy (MeV)

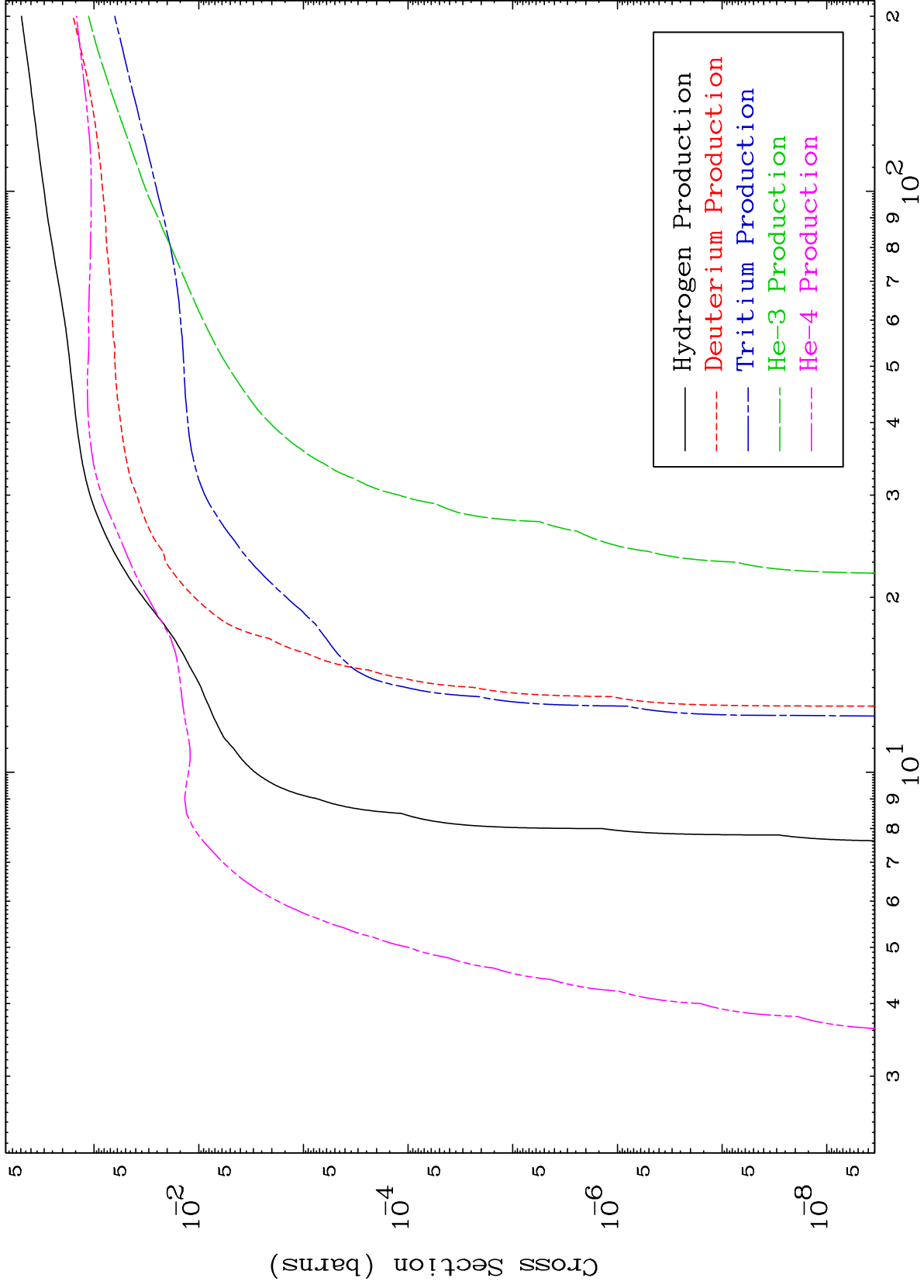
14-Si-31



MAT 1434

Particle Production
293 Kelvin Cross Sections

14-Si-31

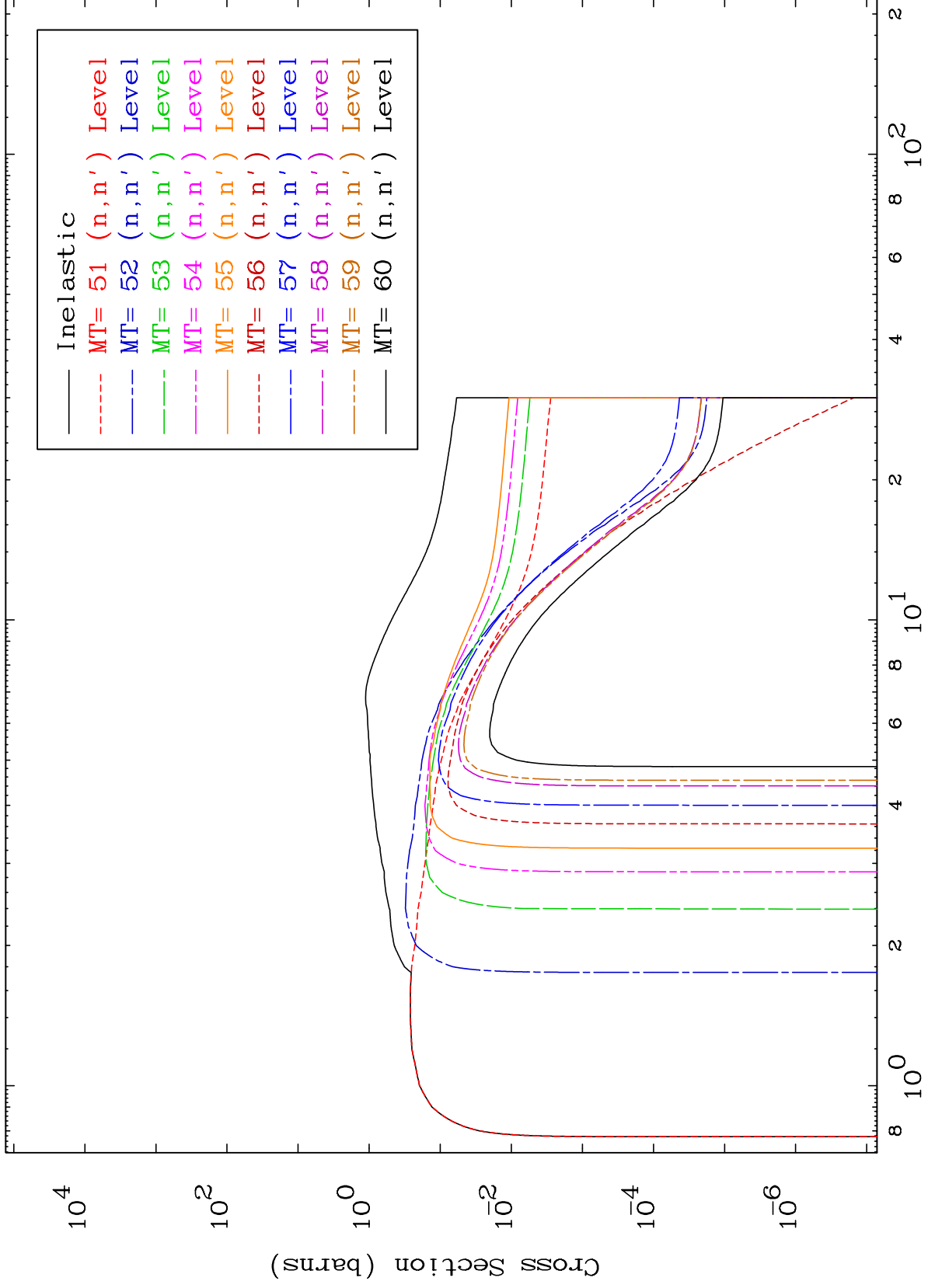


MAT 1434

(n,n') Levels

14-Si-31

293 Kelvin Cross Sections



8

Incident Energy (MeV)

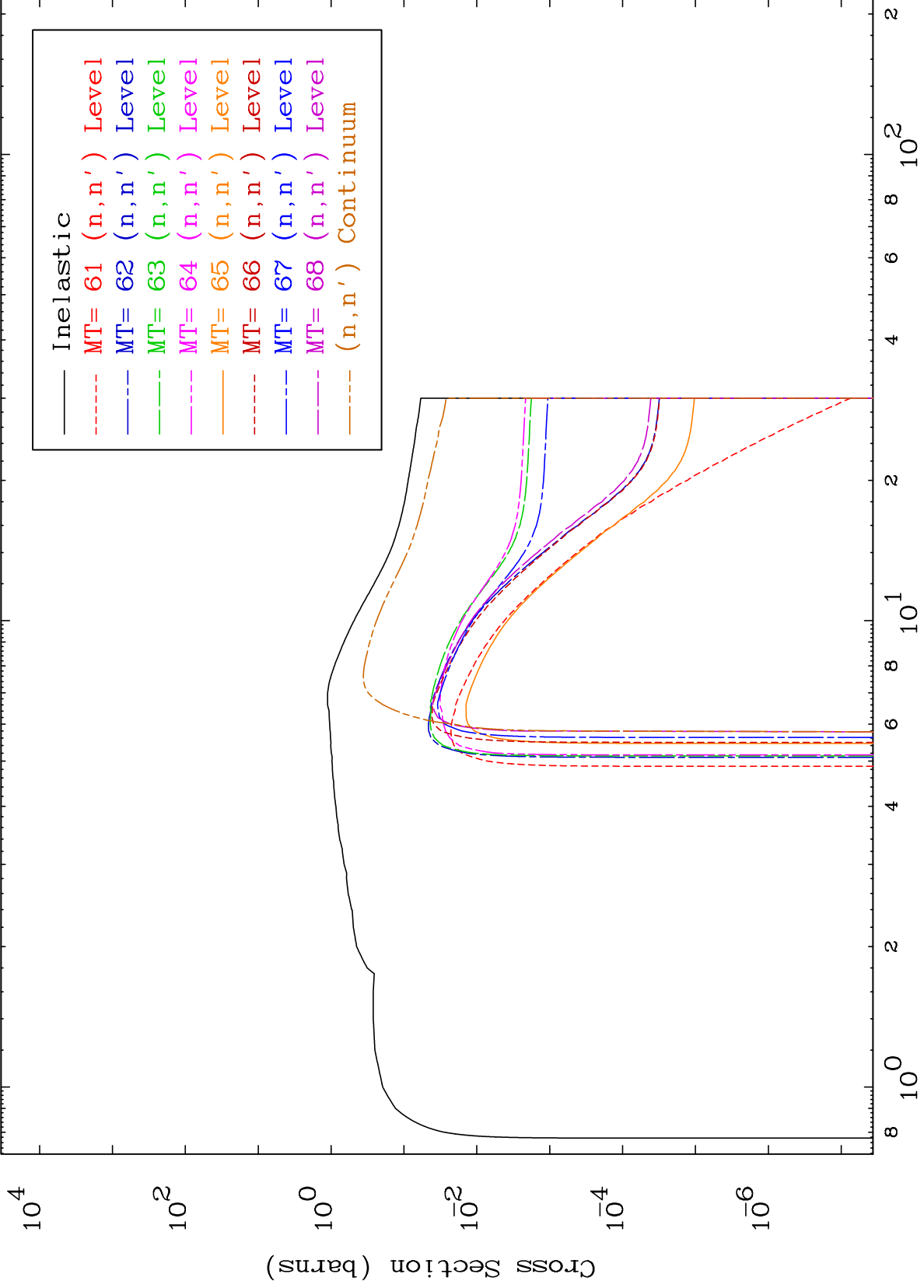
14-Si-31

MAT 1434

(n,n') Levels

14-Si-31

293 Kelvin Cross Sections



9

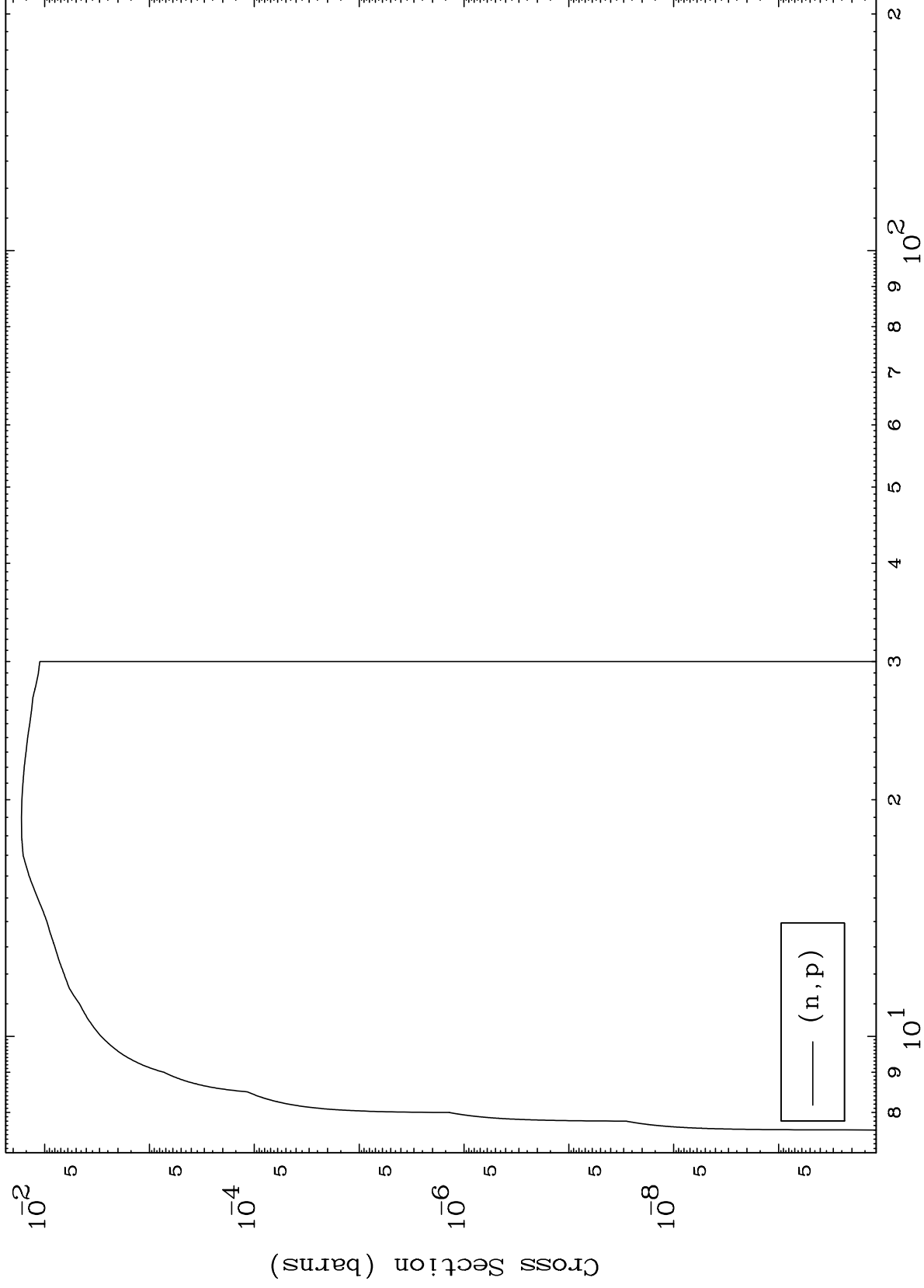
Incident Energy (MeV)

14-Si-31

MAT 1434

(n,p) Levels
293 Kelvin Cross Sections

14-Si-31



10

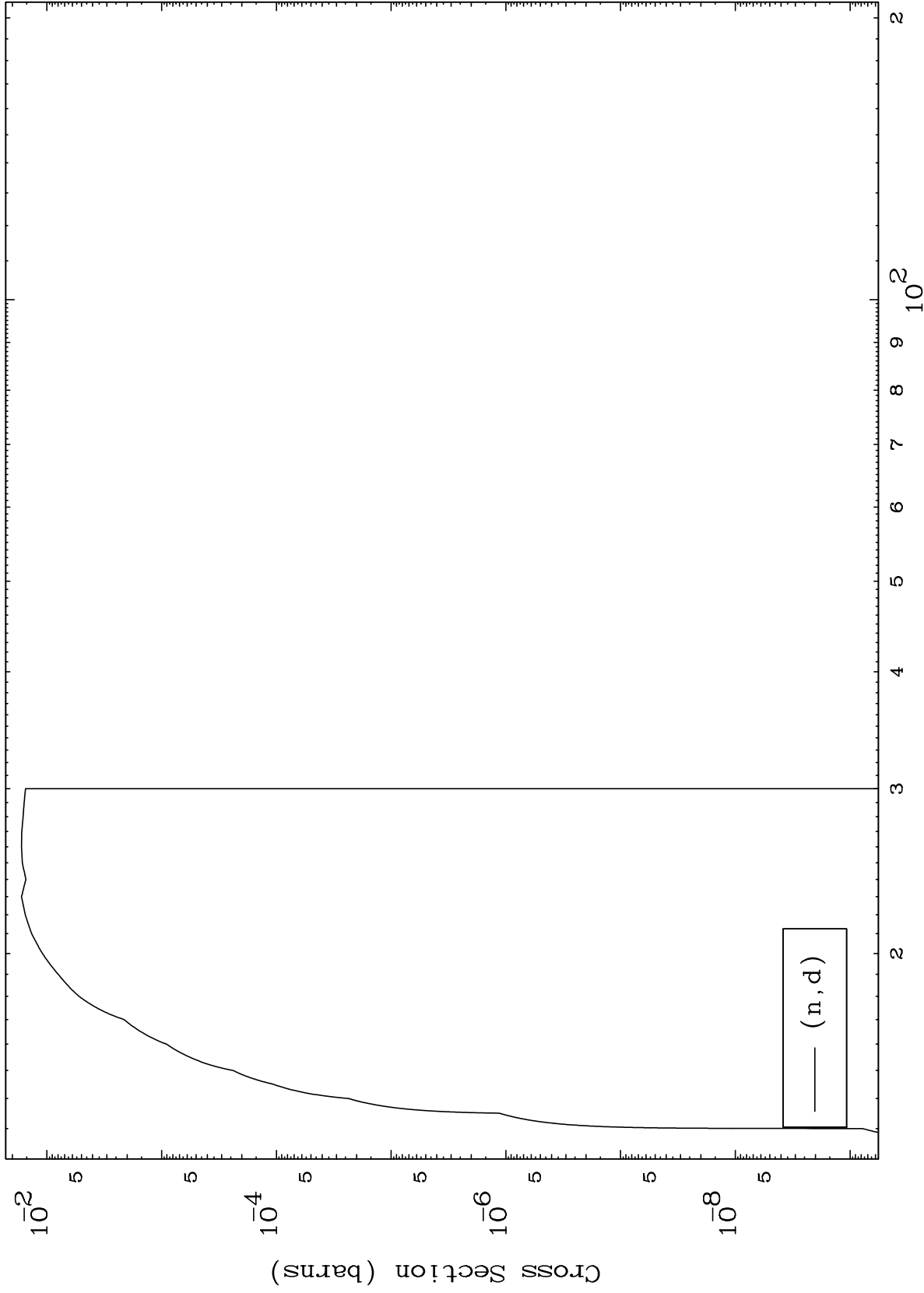
Incident Energy (MeV)

14-Si-31

MAT 1434

(n,d) Levels
293 Kelvin Cross Sections

14-Si-31



11

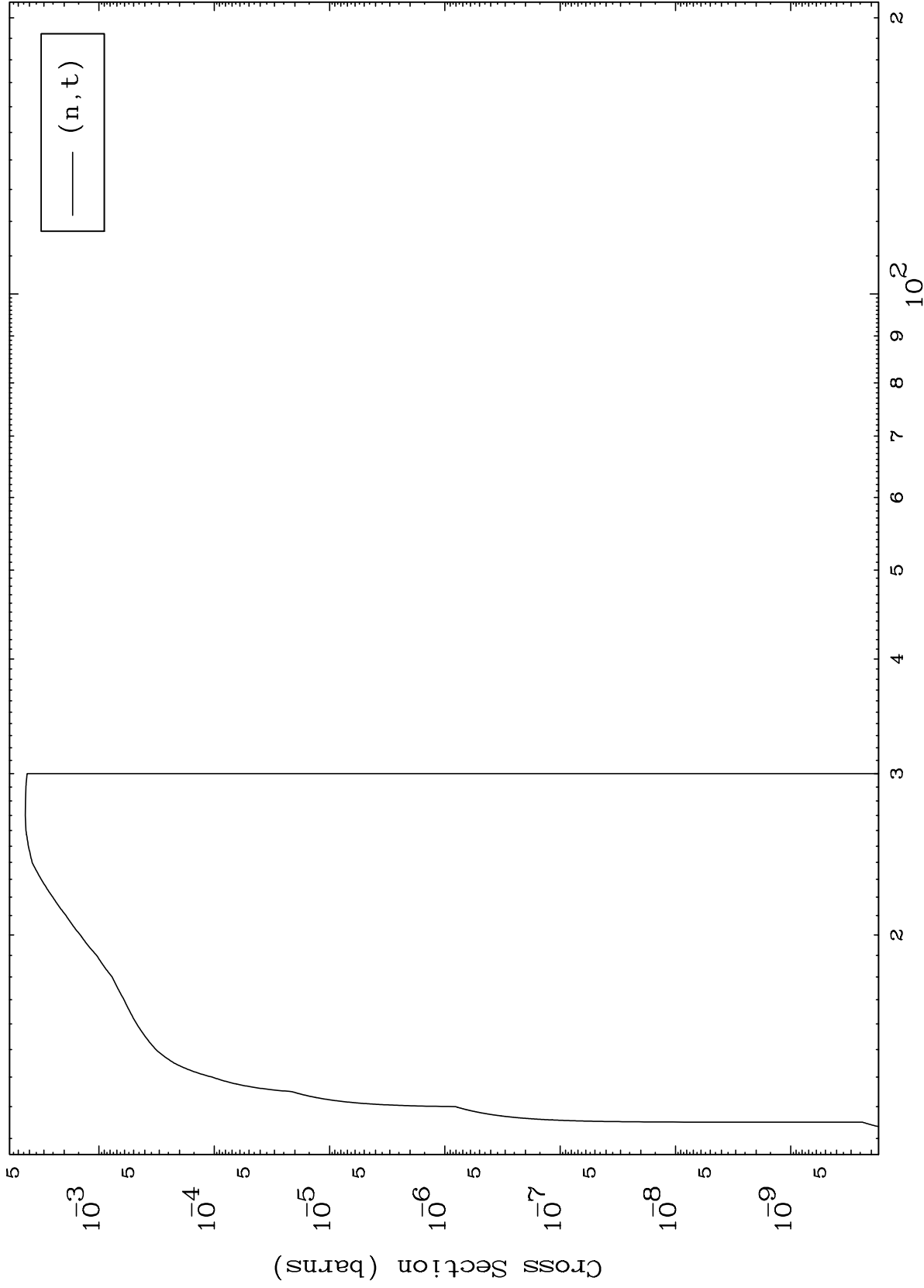
Incident Energy (MeV)

14-Si-31

MAT 1434

(n,t) Levels
293 Kelvin Cross Sections

14-Si-31



12

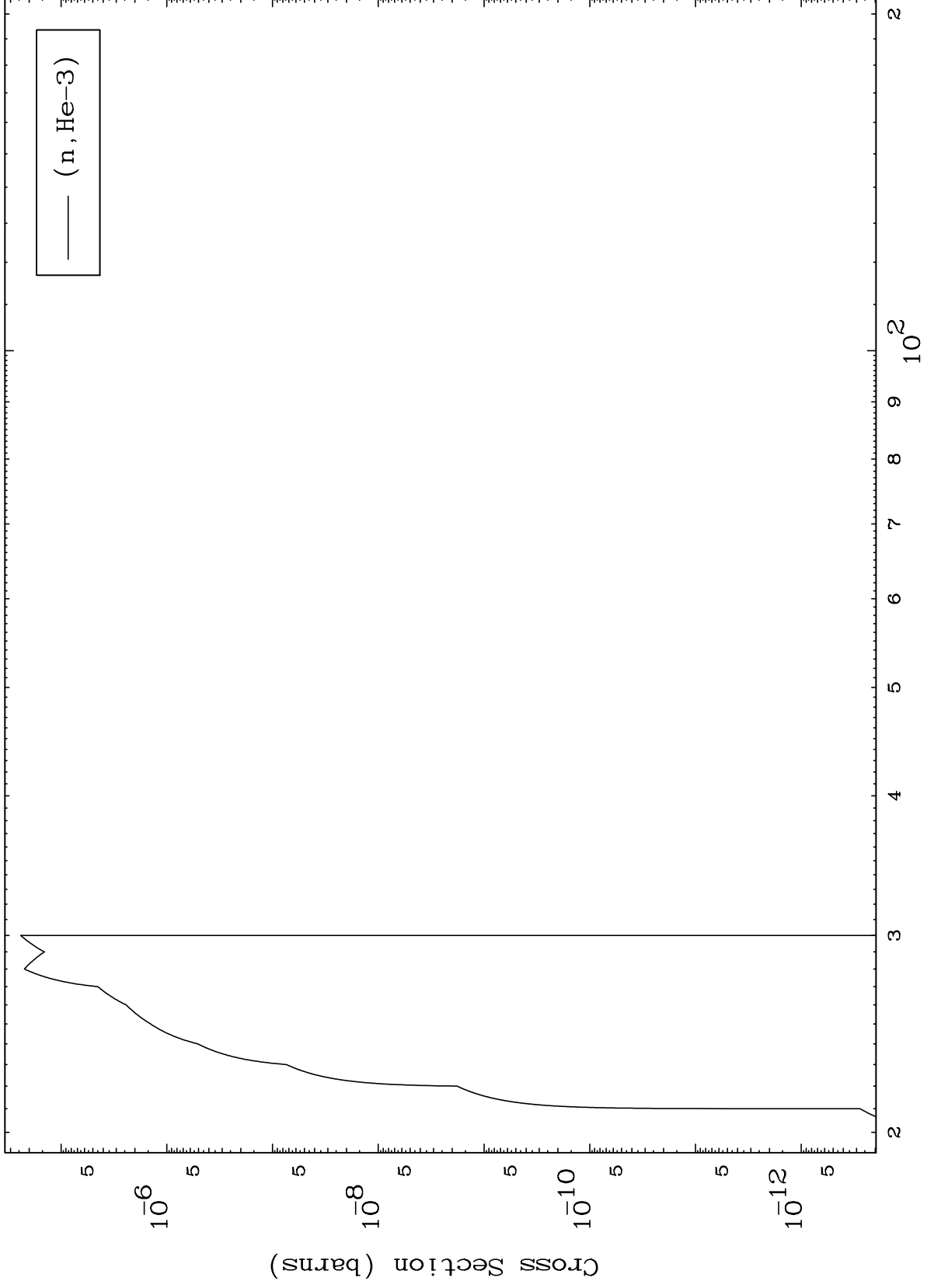
Incident Energy (MeV)

14-Si-31

MAT 1434

(n,He3) Levels
293 Kelvin Cross Sections

14-Si-31



13

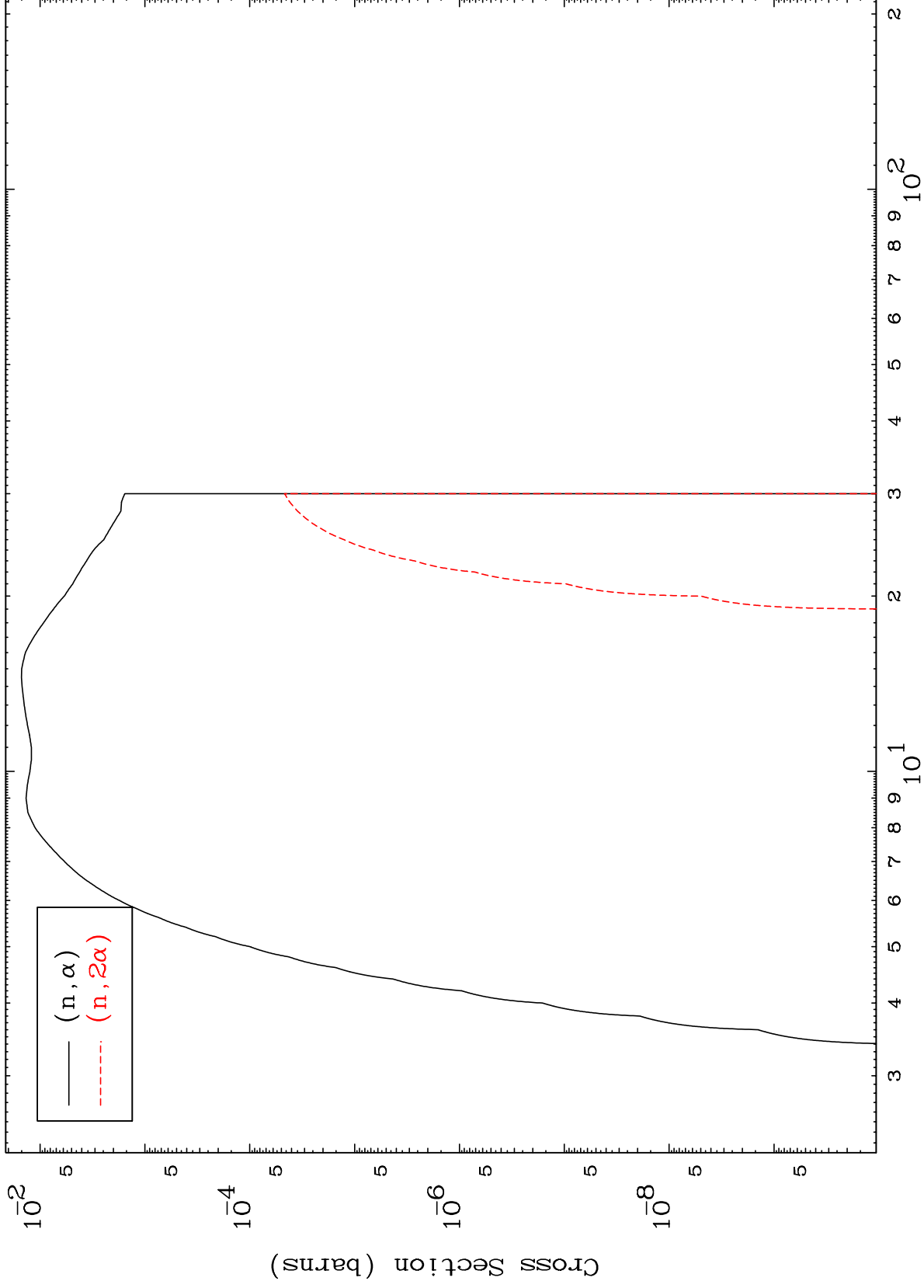
Incident Energy (MeV)

14-Si-31

MAT 1434

(n, α) Levels
293 Kelvin Cross Sections

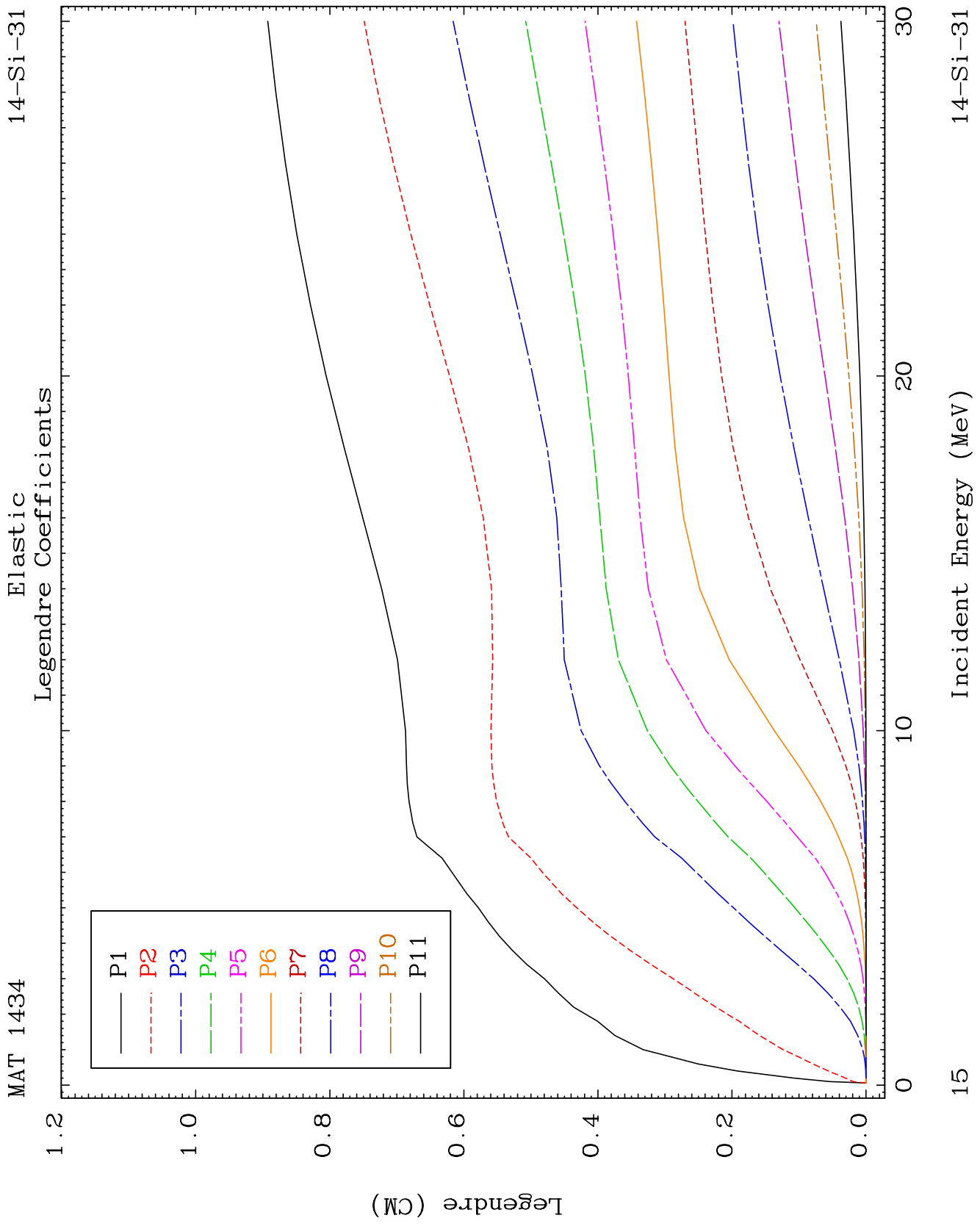
¹⁴Si-31



14

Incident Energy (MeV)

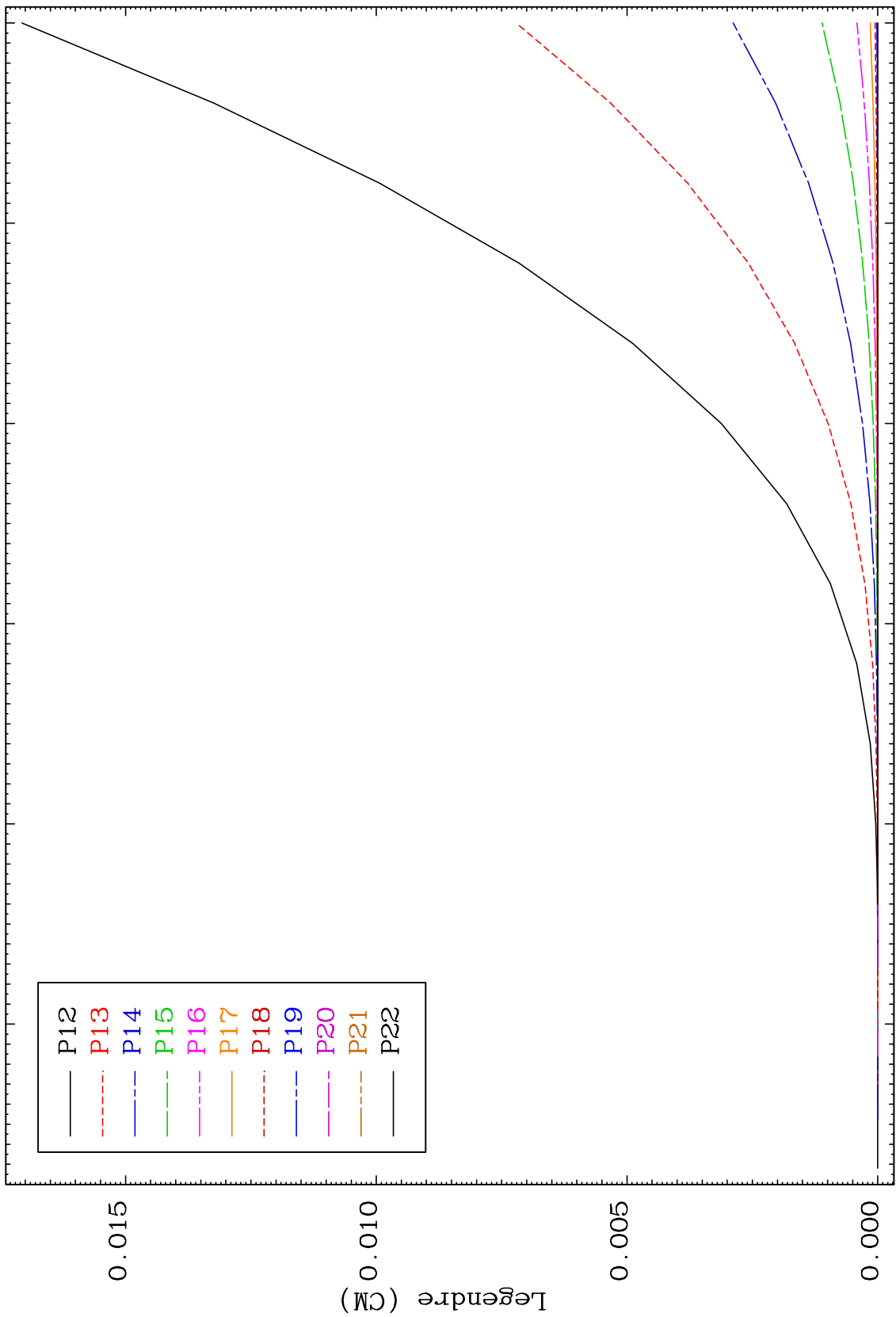
¹⁴Si-31



MAT 1434

Elastic Legendre Coefficients

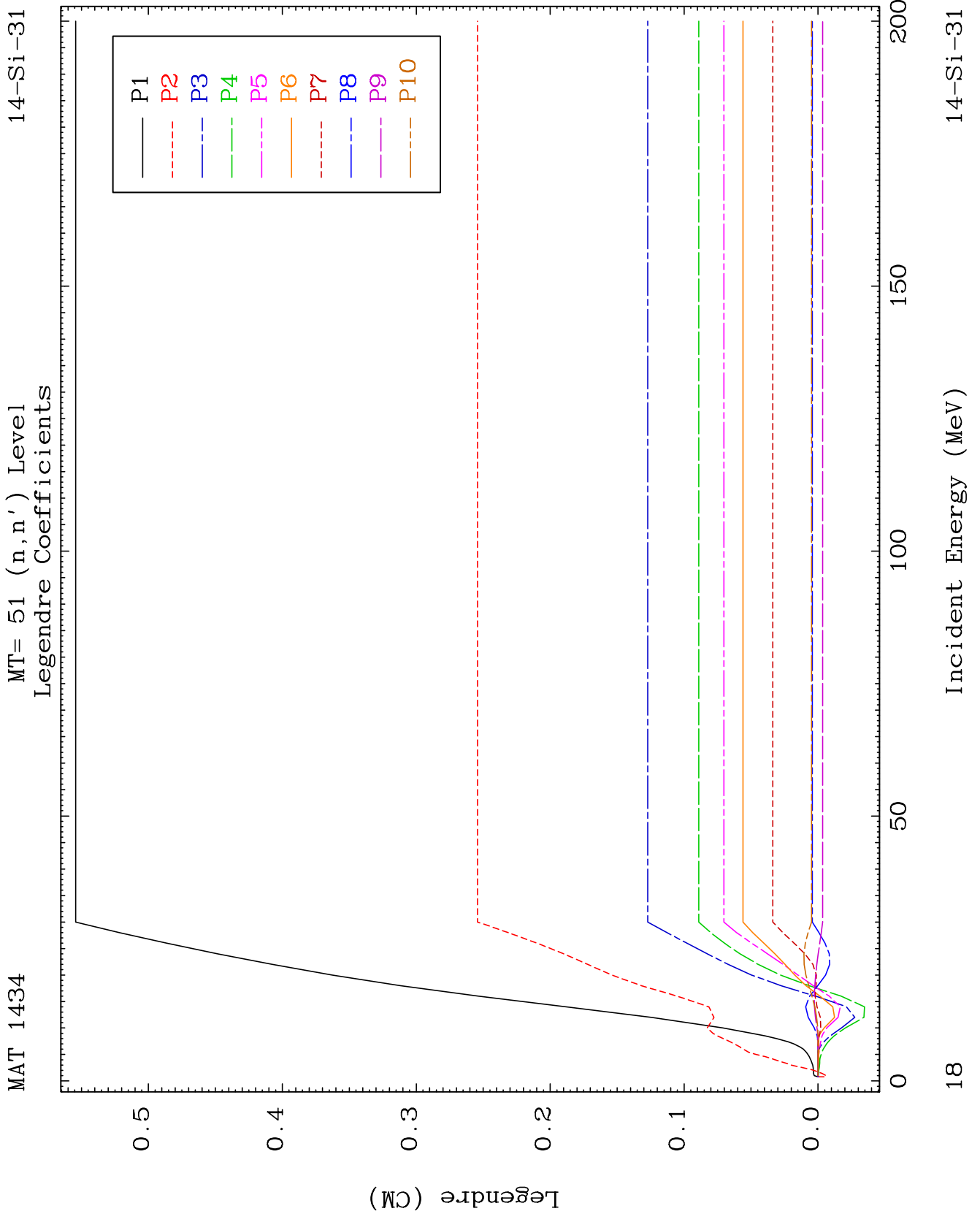
14-Si-31



16

14-Si-31

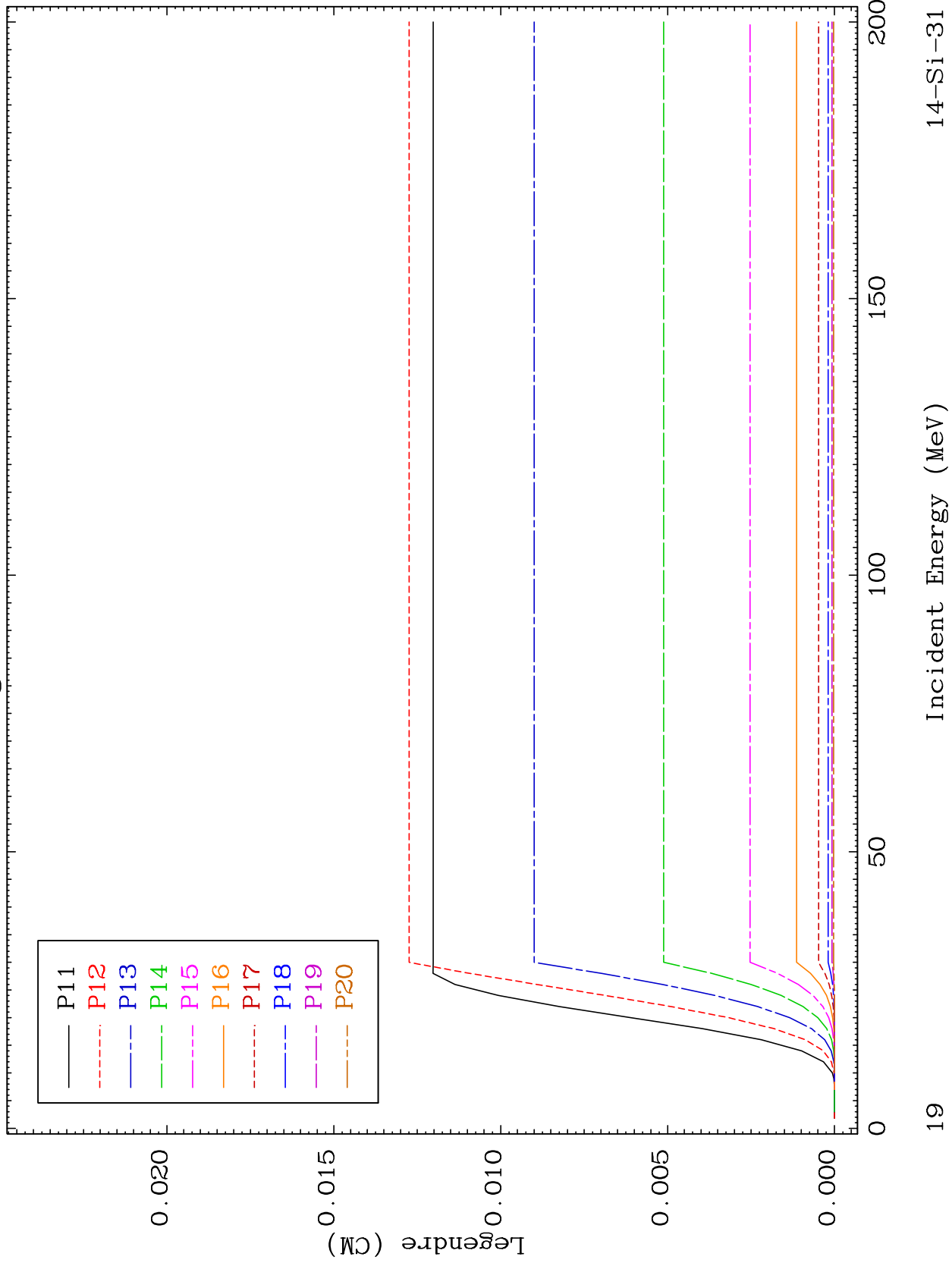
Incident Energy (MeV)



MAT 1434

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

14-Si-31



19

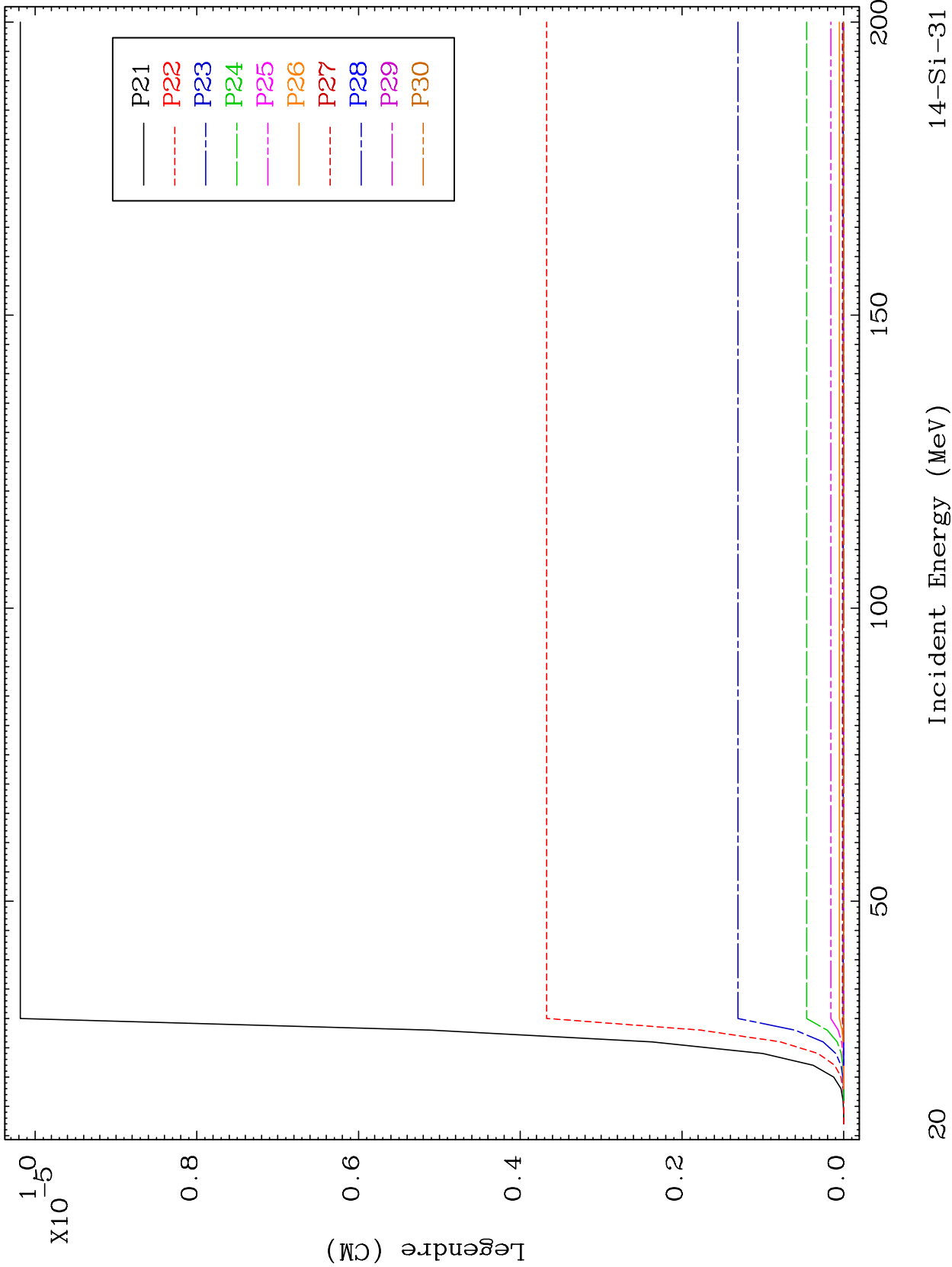
Incident Energy (MeV)

14-Si-31

MAT 1434

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

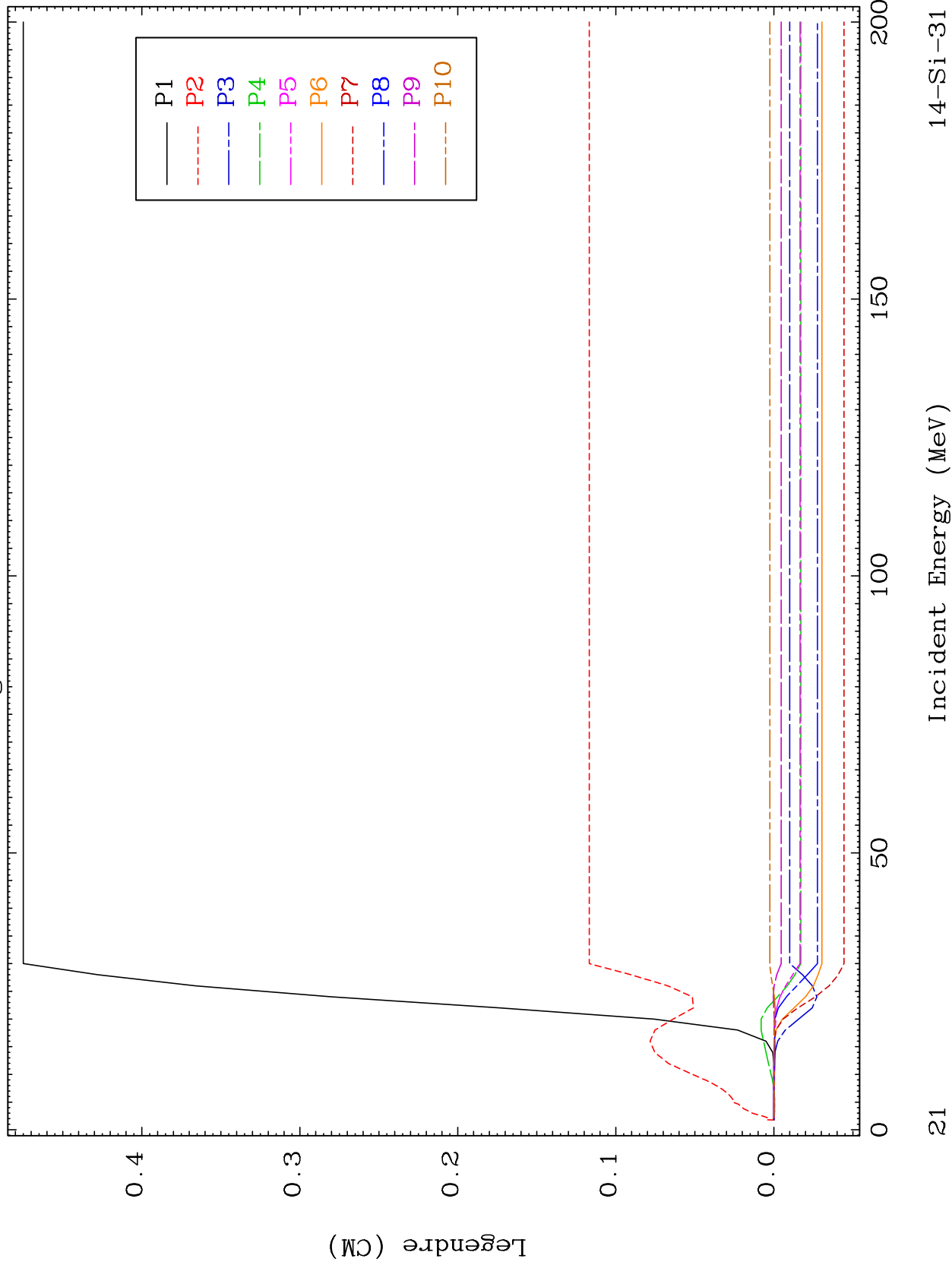
14-Si-31



MAT 1434

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

14-Si-31



21

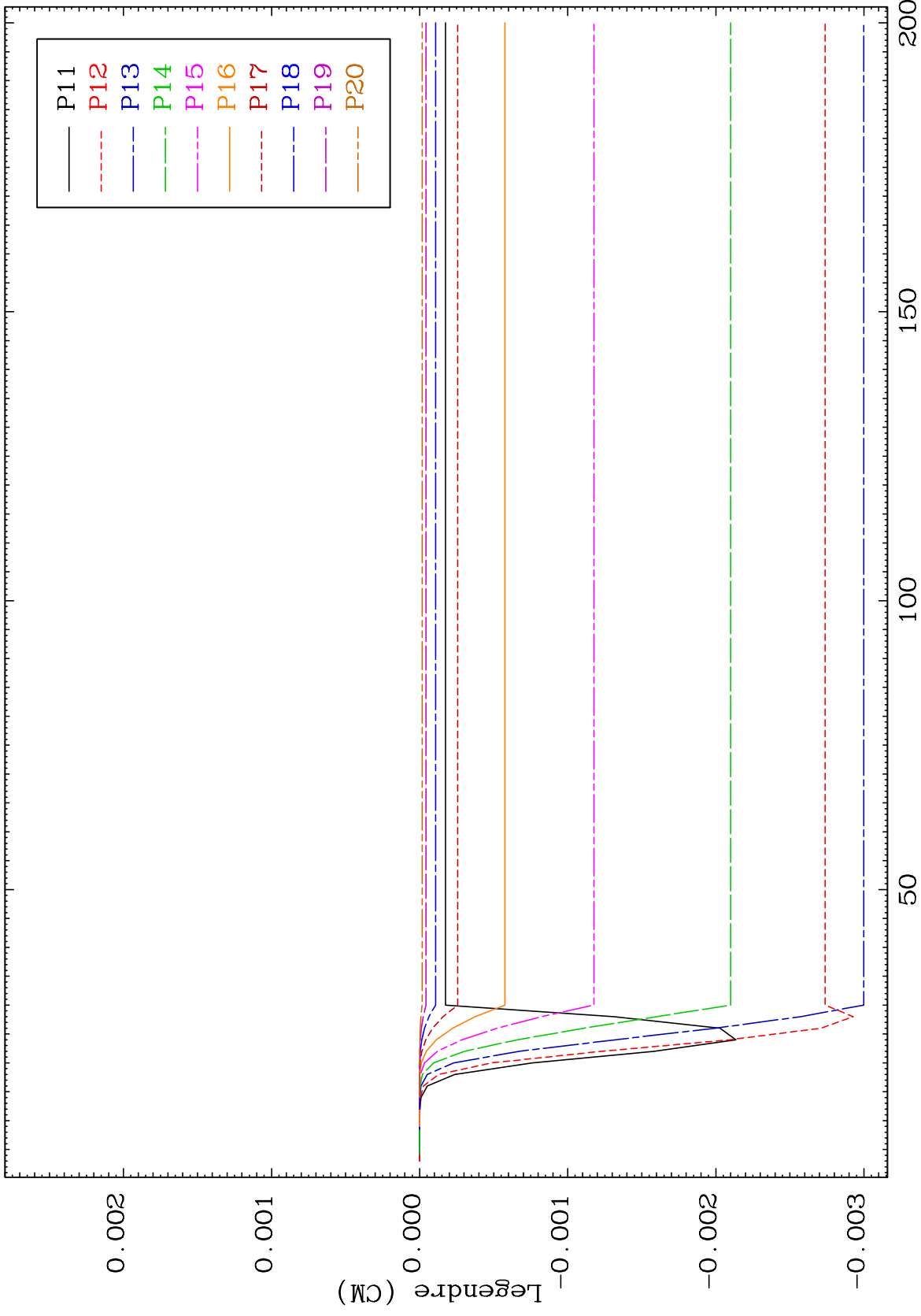
Incident Energy (MeV)

14-Si-31

MAT 1434

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

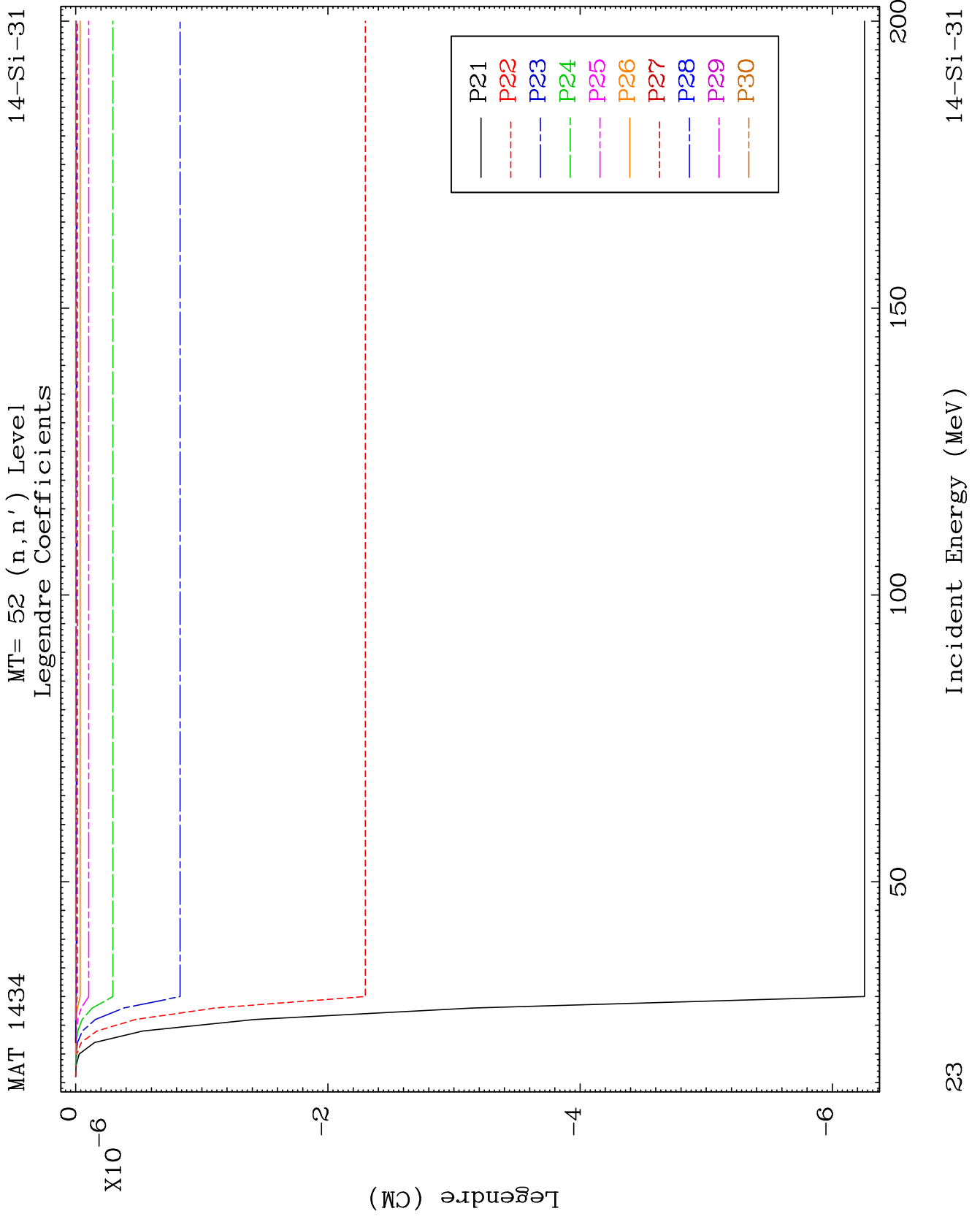
14-Si-31



22

Incident Energy (MeV)

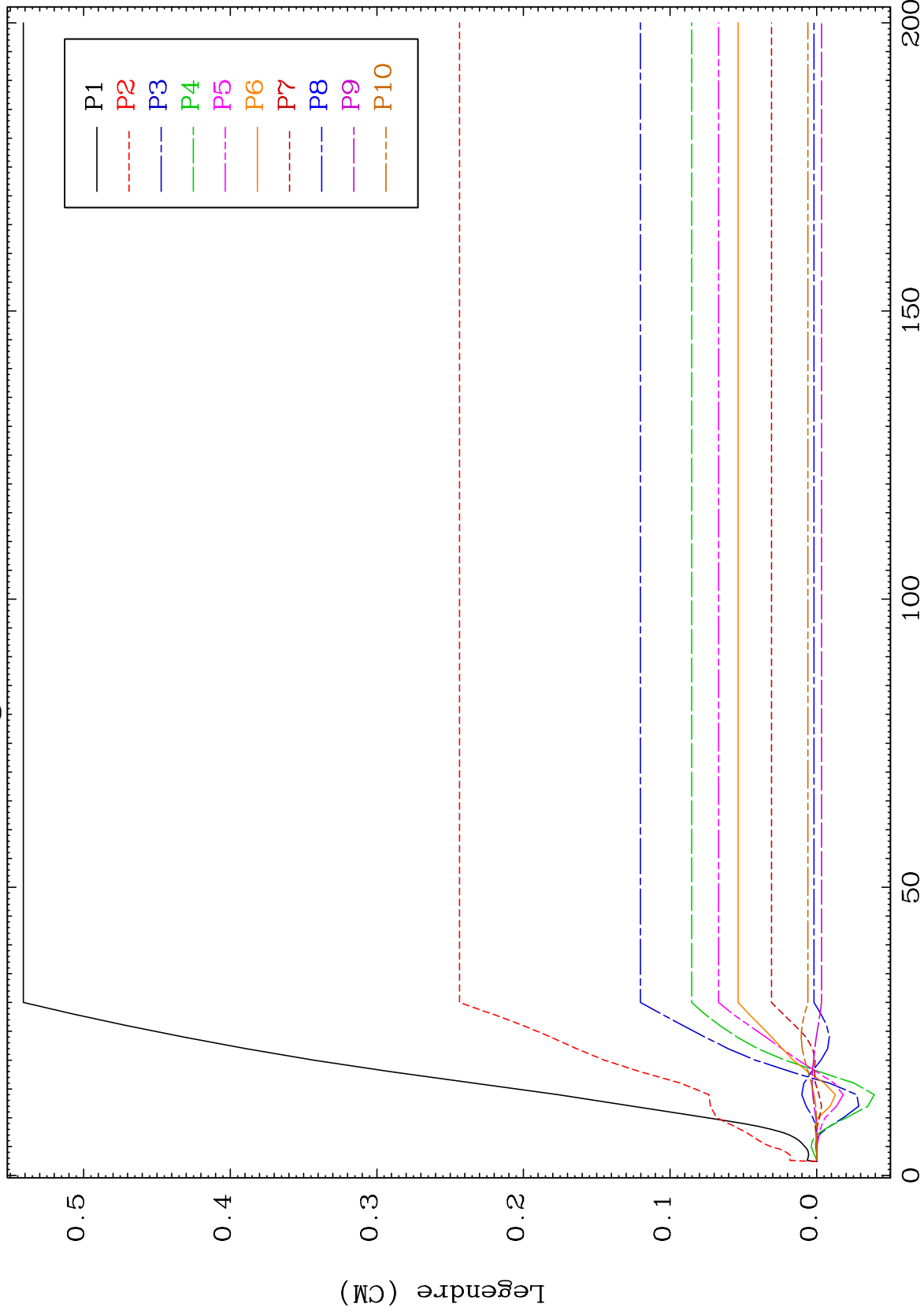
14-Si-31



MAT 1434

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

14-Si-31



24

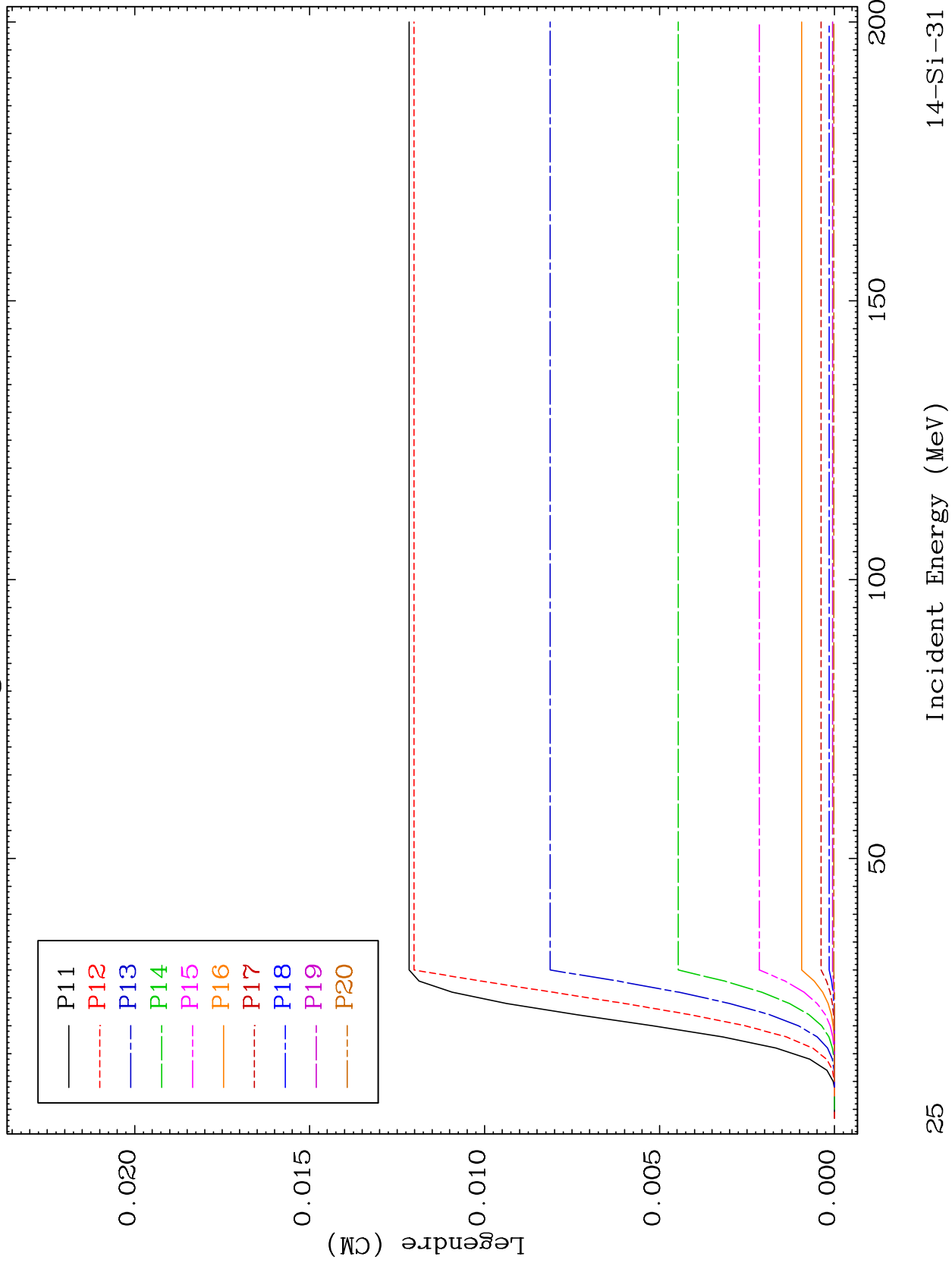
Incident Energy (MeV)

14-Si-31

MAT 1434

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

14-Si-31



25

Incident Energy (MeV)

14-Si-31

50

100

150

200

0.020

0.015

0.010

0.005

0.000

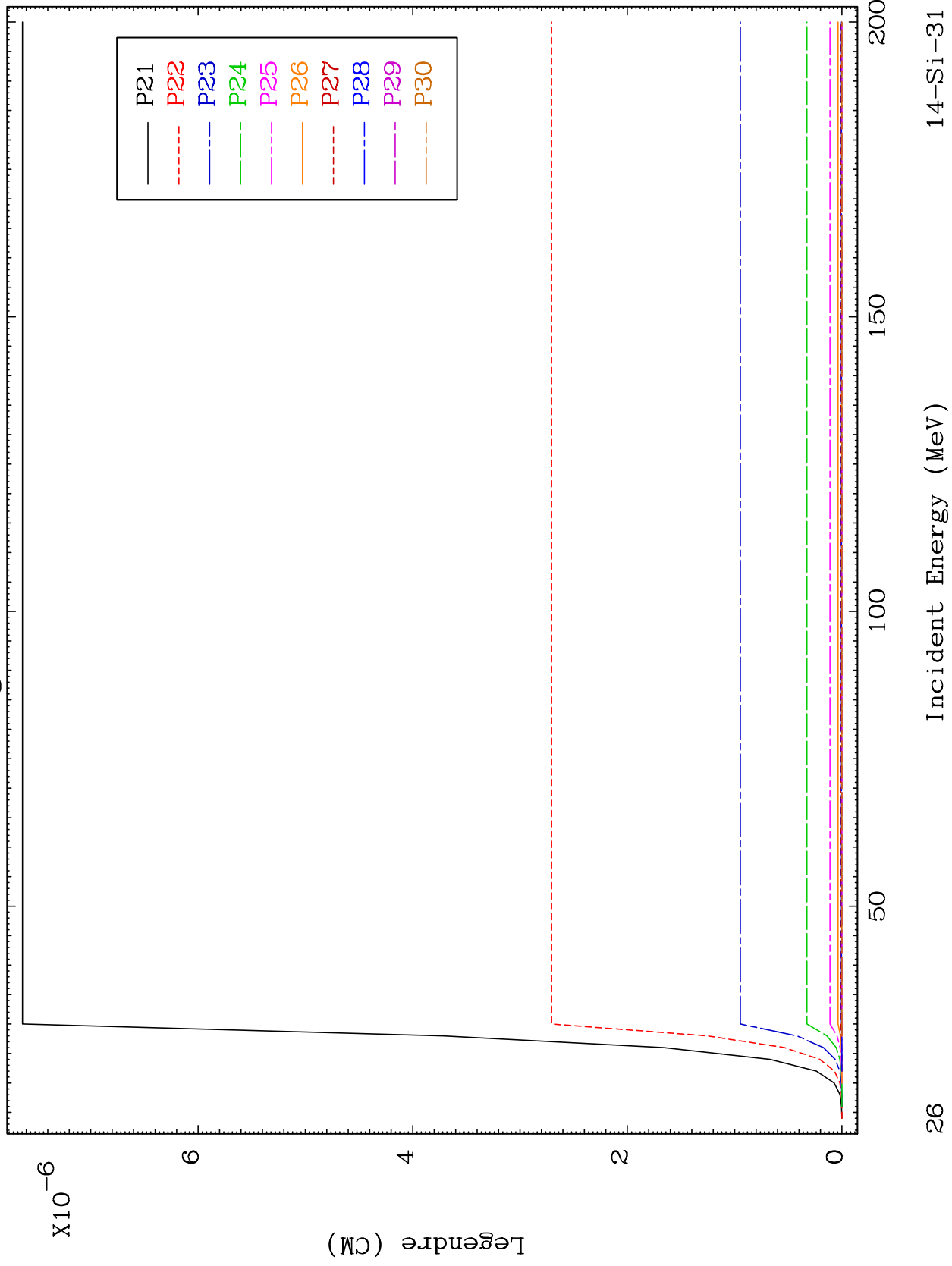
Legendre (CM)

P11
P12
P13
P14
P15
P16
P17
P18
P19
P20

MAT 1434

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

14-Si-31



26

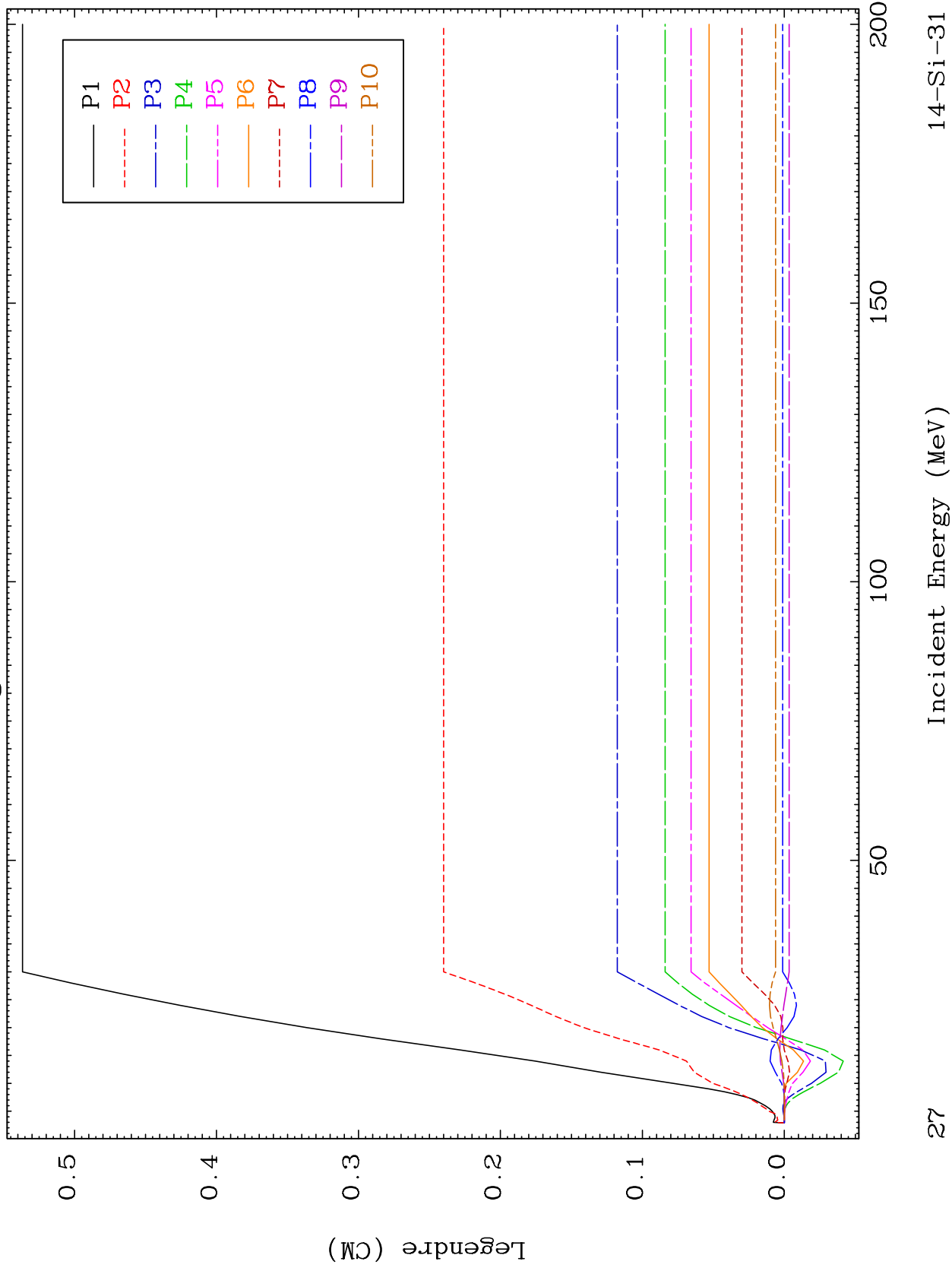
Incident Energy (MeV)

14-Si-31

MAT 1434

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

14-Si-31



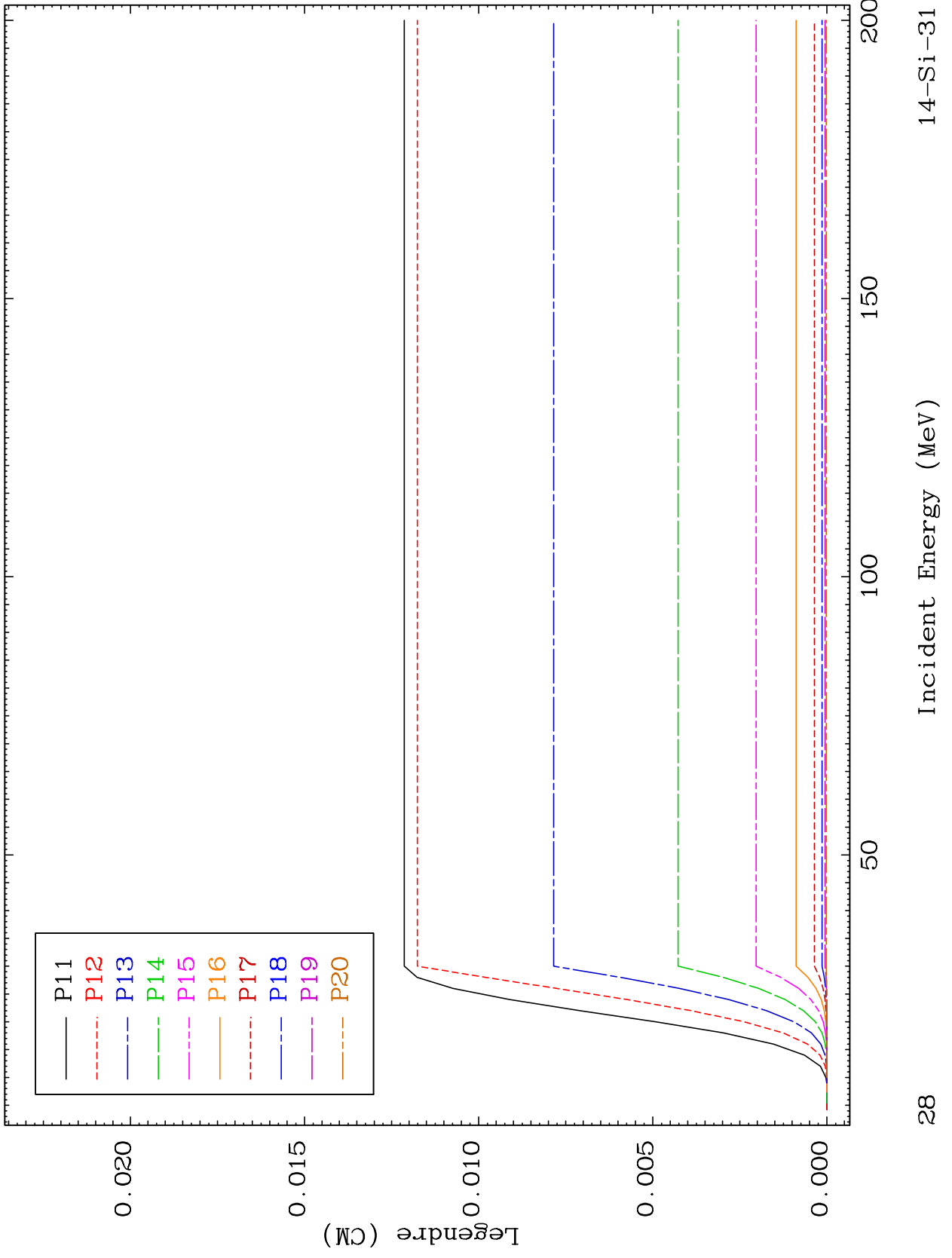
27

14-Si-31

MAT 1434

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

14-Si-31



28

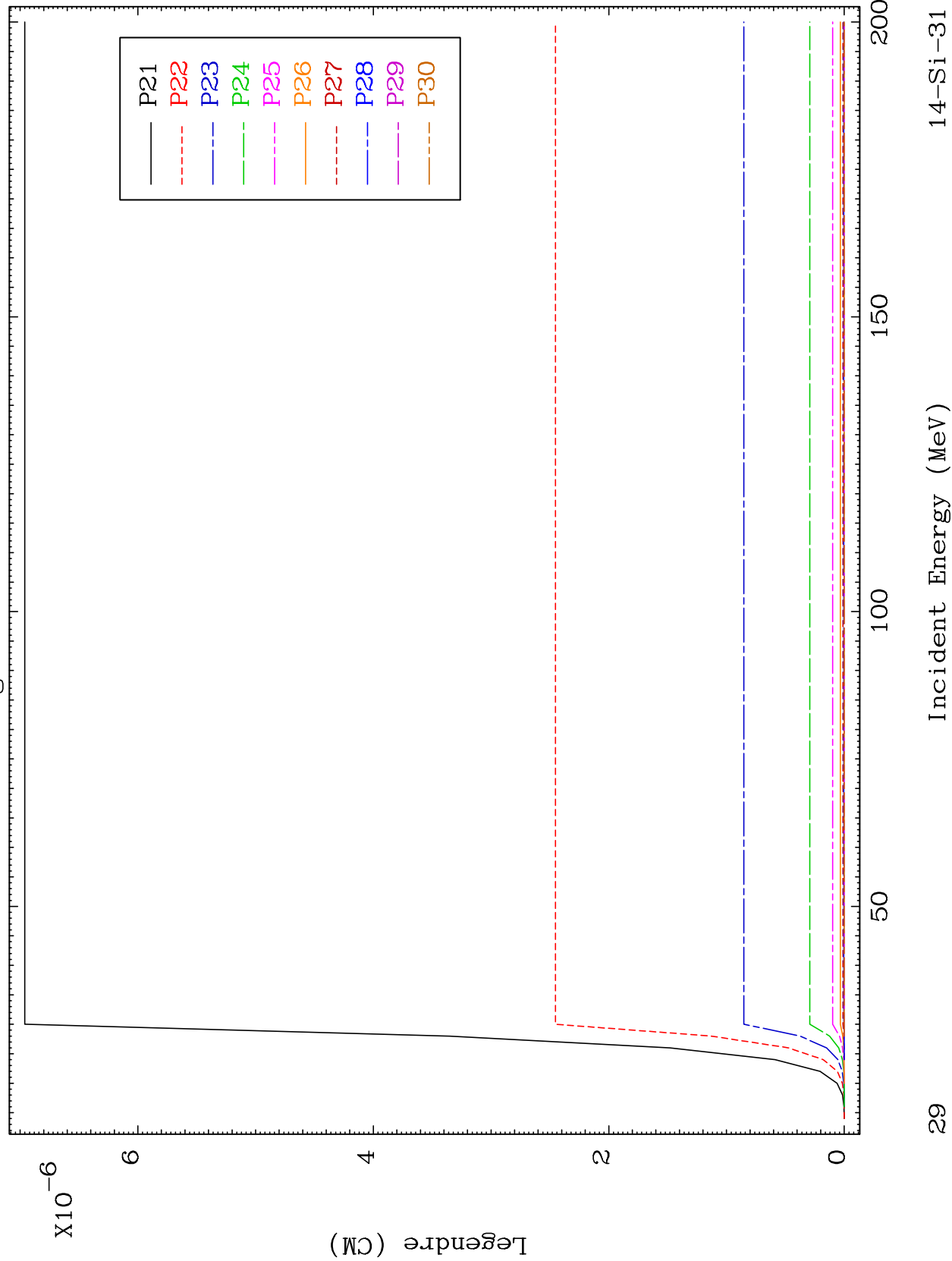
Incident Energy (MeV)

14-Si-31

MAT 1434

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

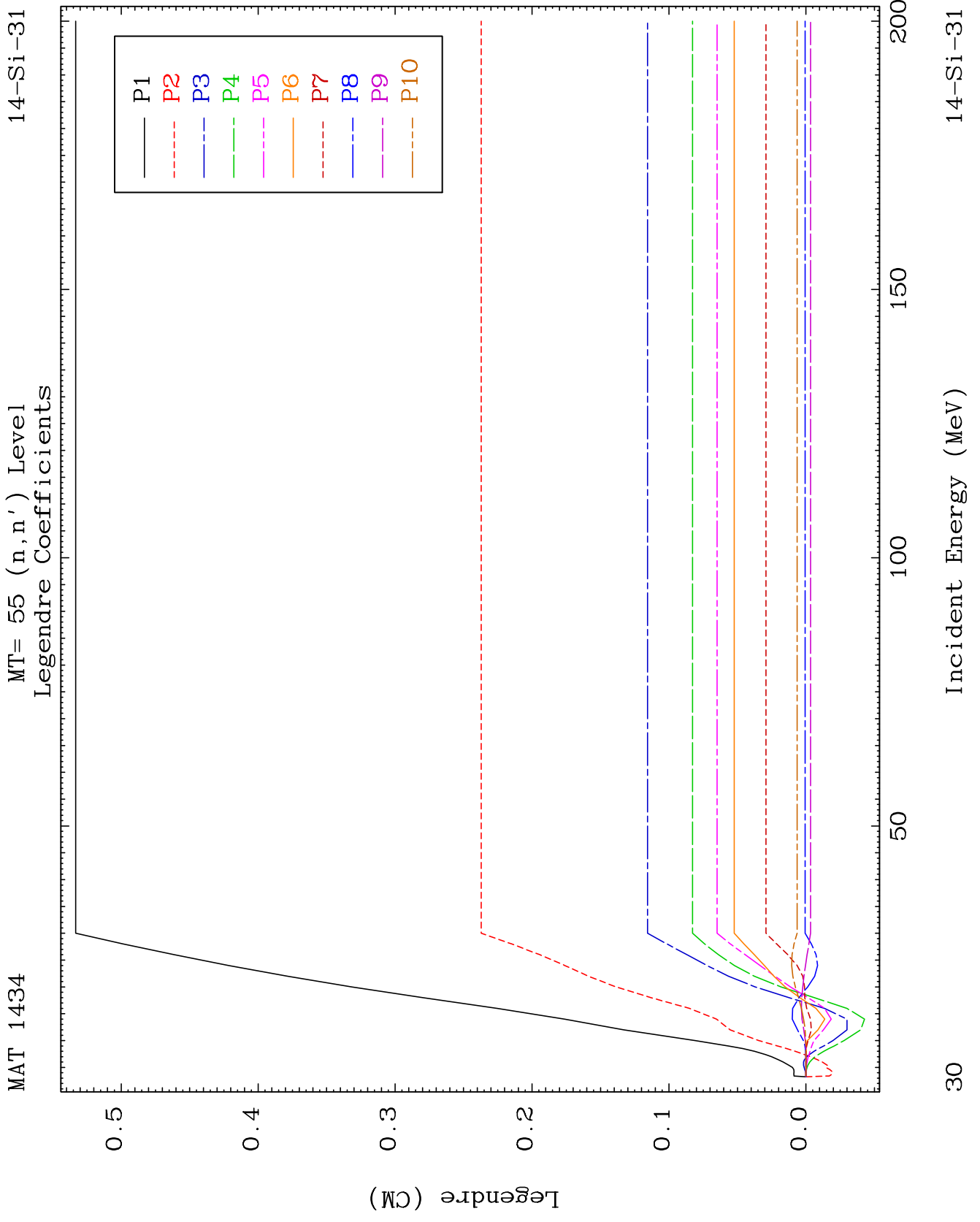
14-Si-31



29

Incident Energy (MeV)

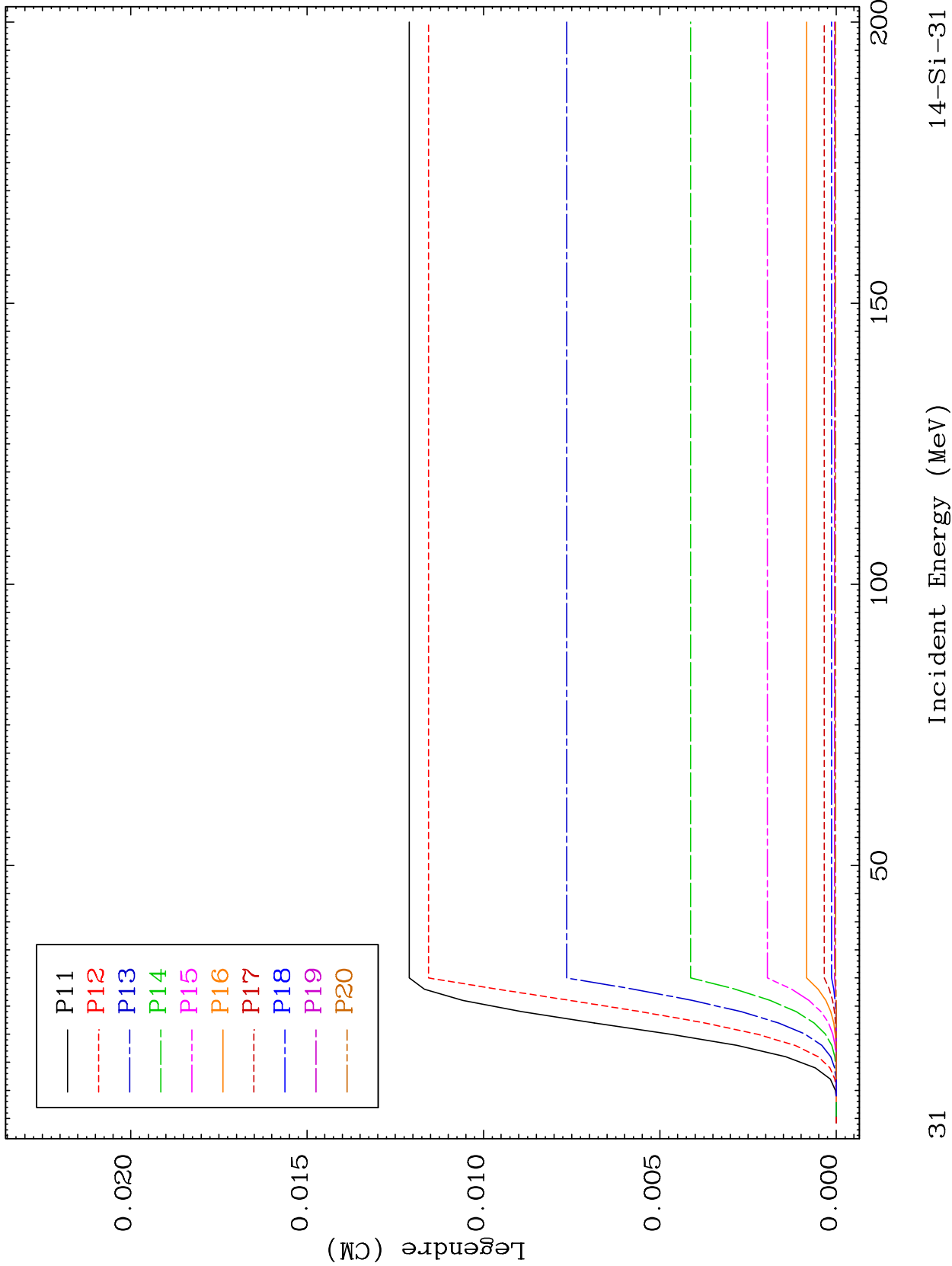
14-Si-31



MAT 1434

14-Si-31

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



31

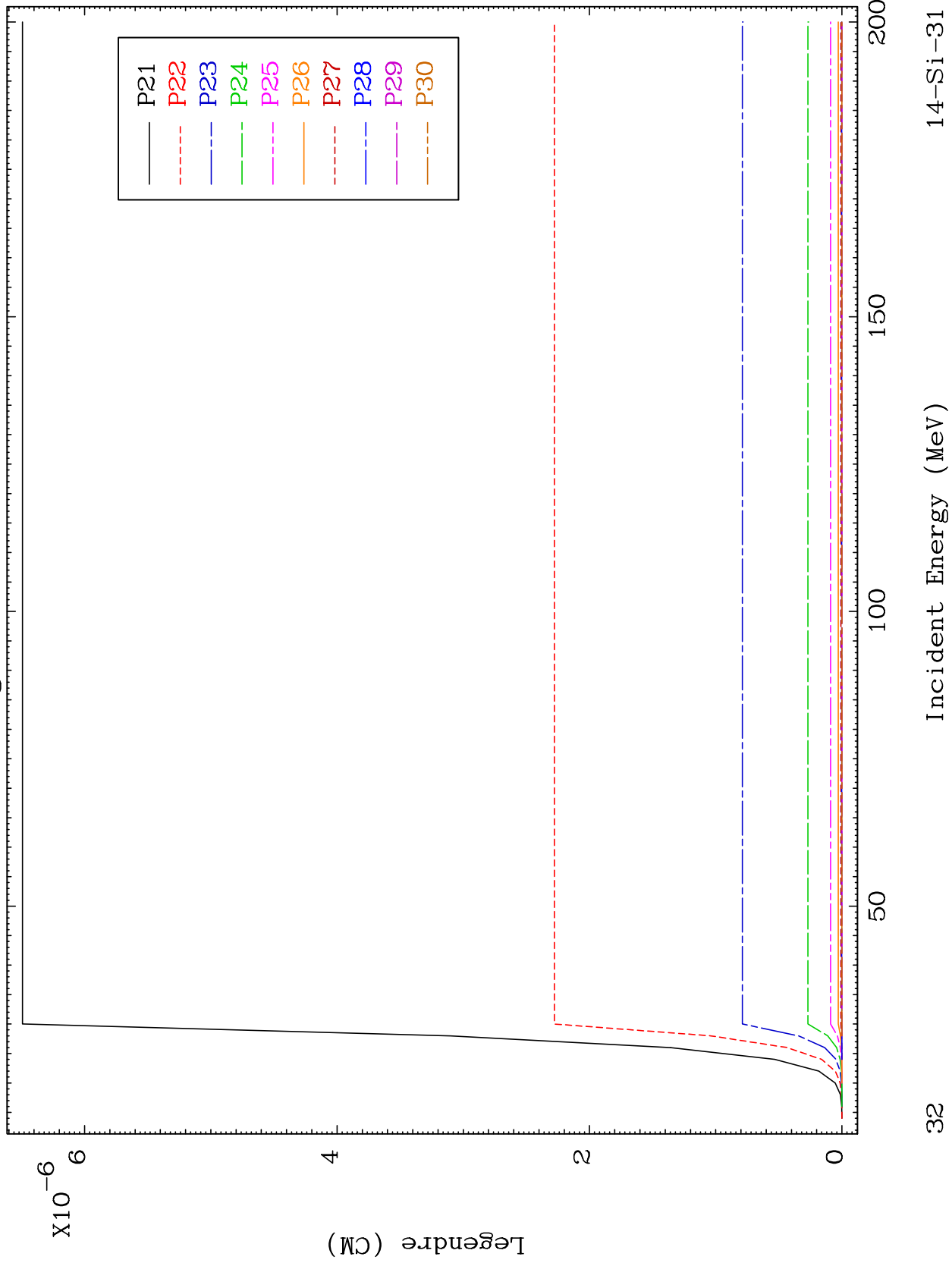
14-Si-31

Incident Energy (MeV)

MAT 1434

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

14-Si-31



32

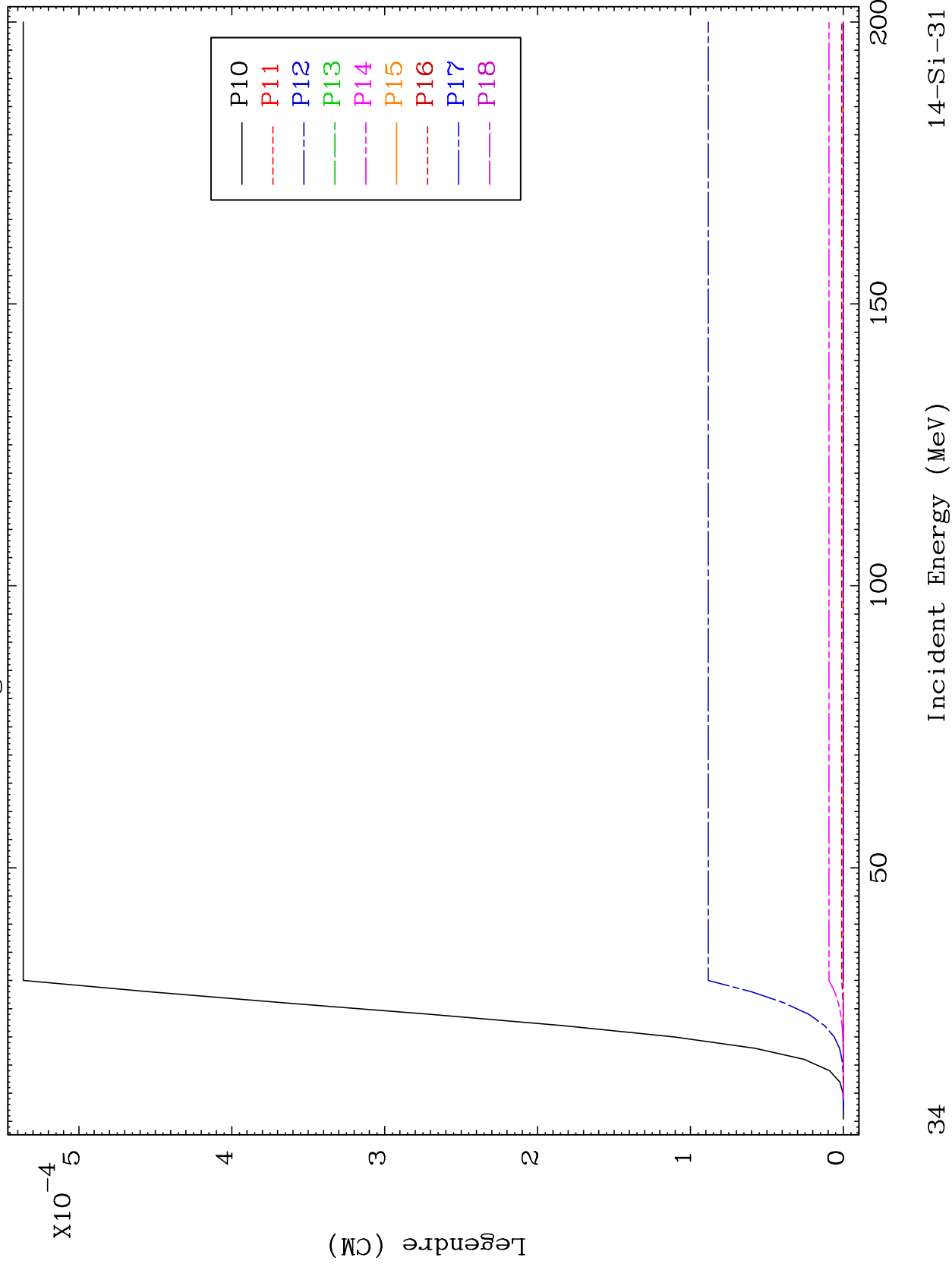
Incident Energy (MeV)

14-Si-31

MAT 1434

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

14-Si-31



34

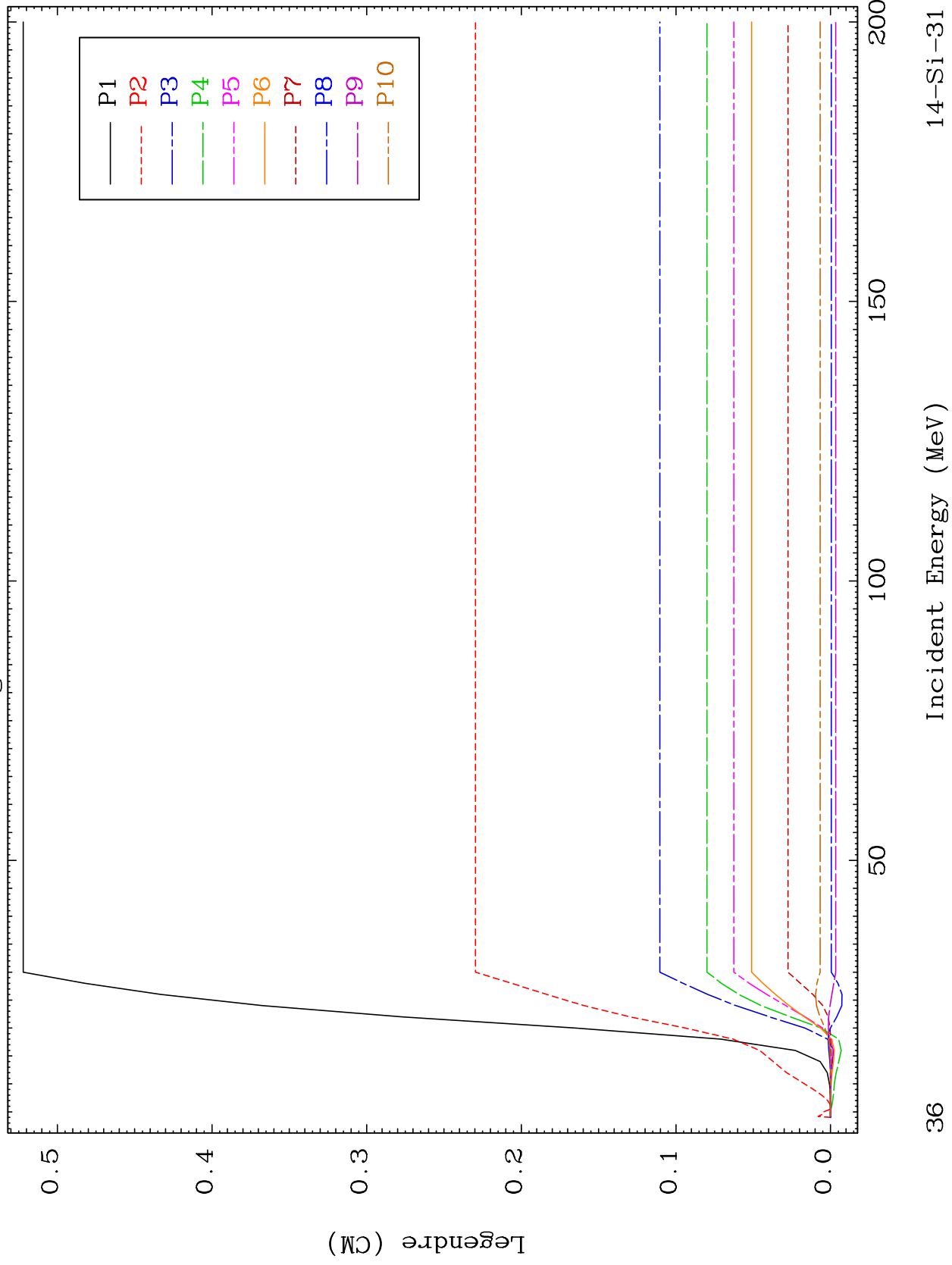
Incident Energy (MeV)

14-Si-31

MAT 1434

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

14-Si-31

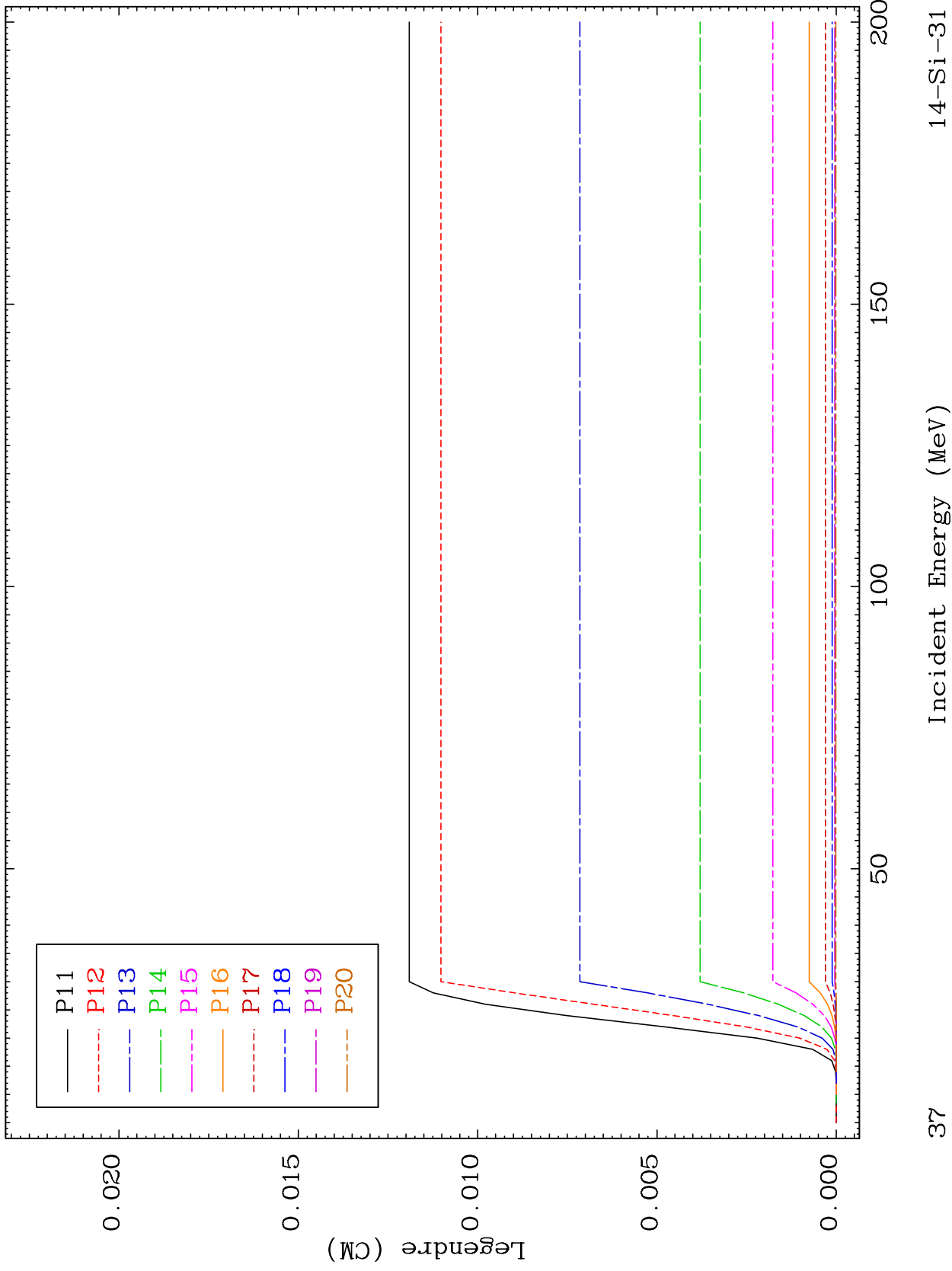


36

MAT 1434

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

14-Si-31



37

Incident Energy (MeV)

14-Si-31

50

100

150

200

0.020

0.015

0.010

0.005

0.000

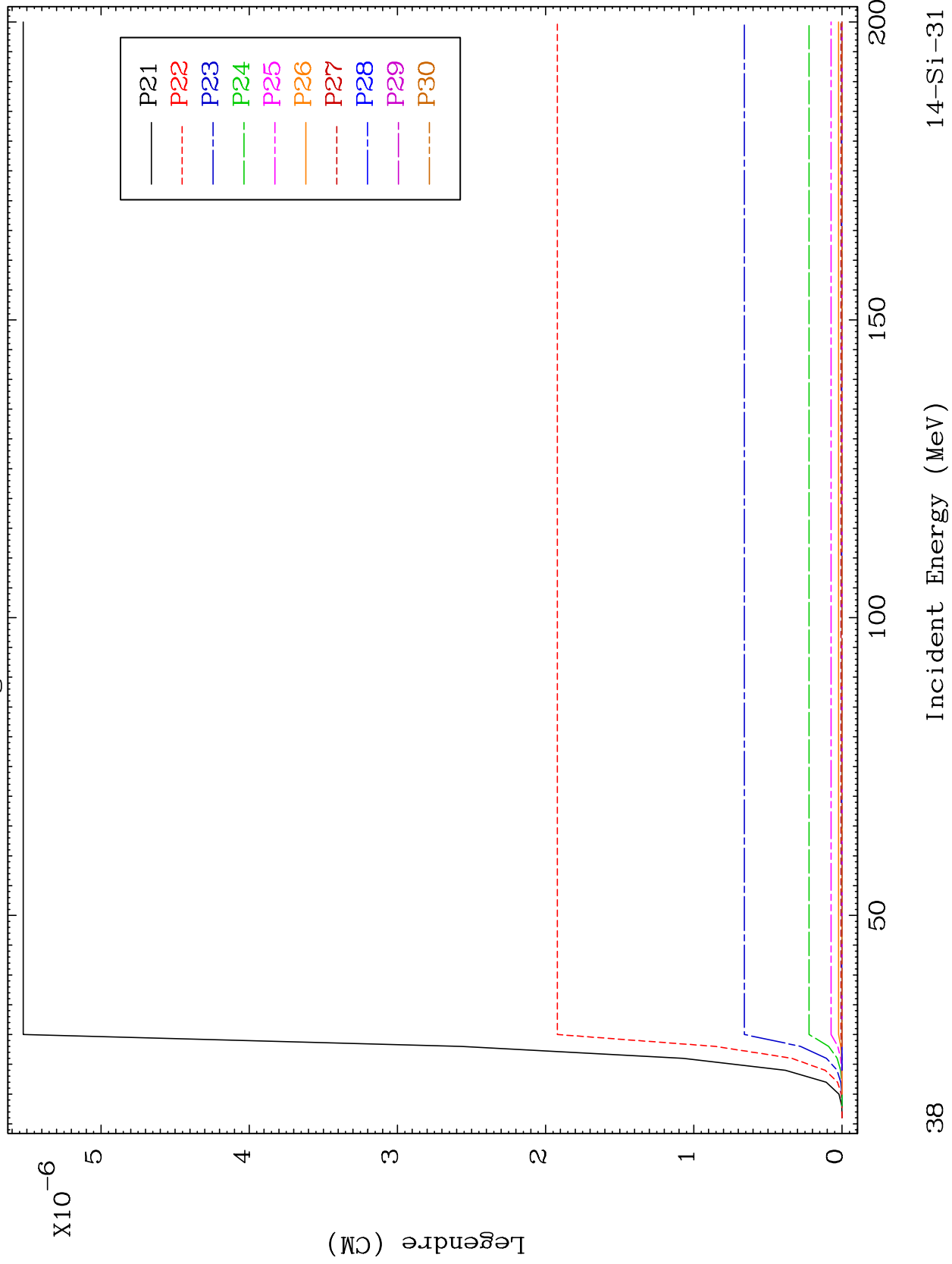
- P11
- P12
- P13
- P14
- P15
- P16
- P17
- P18
- P19
- P20

Legendre (CM)

MAT 1434

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

14-Si-31



38

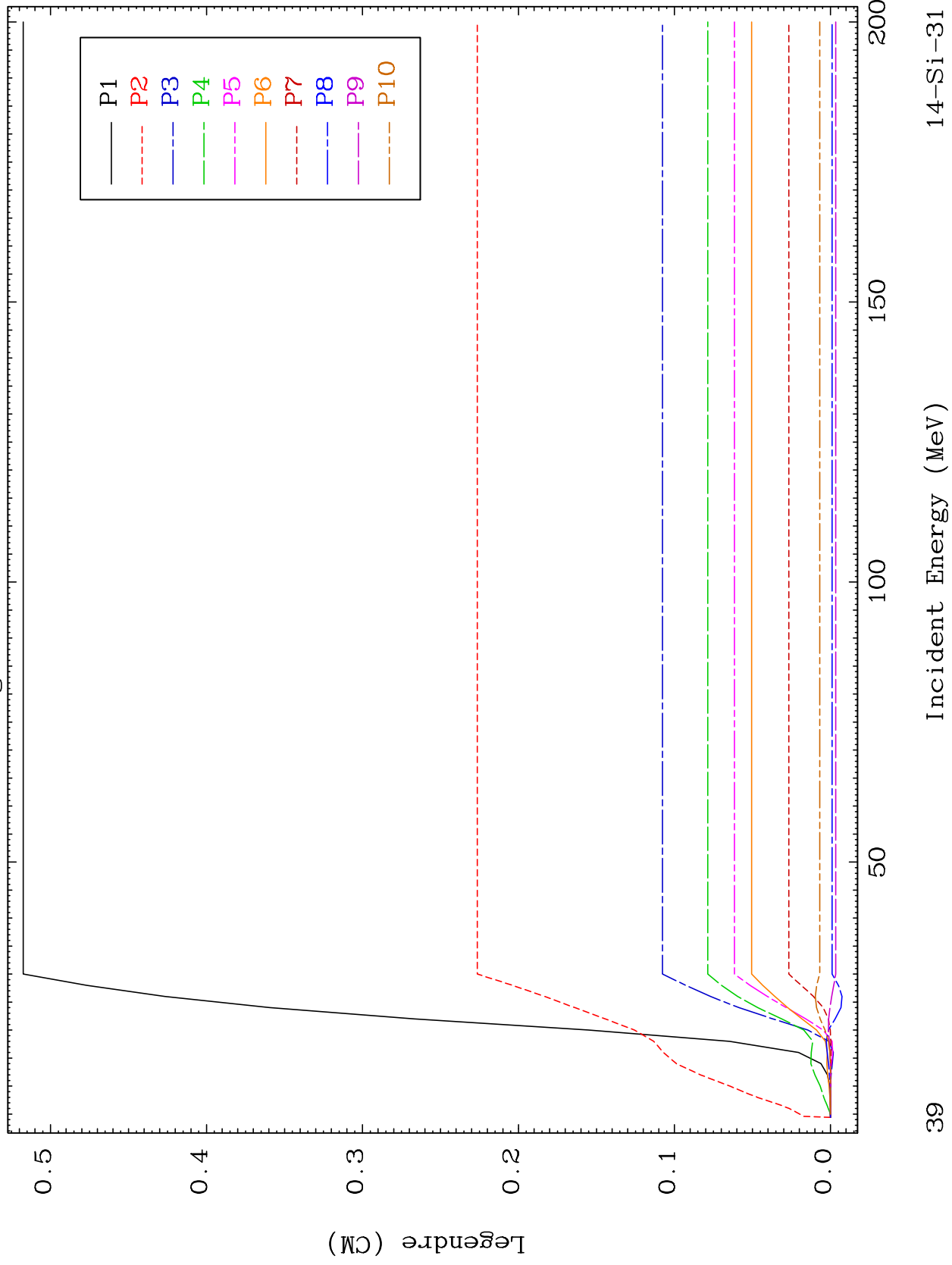
Incident Energy (MeV)

14-Si-31

MAT 1434

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

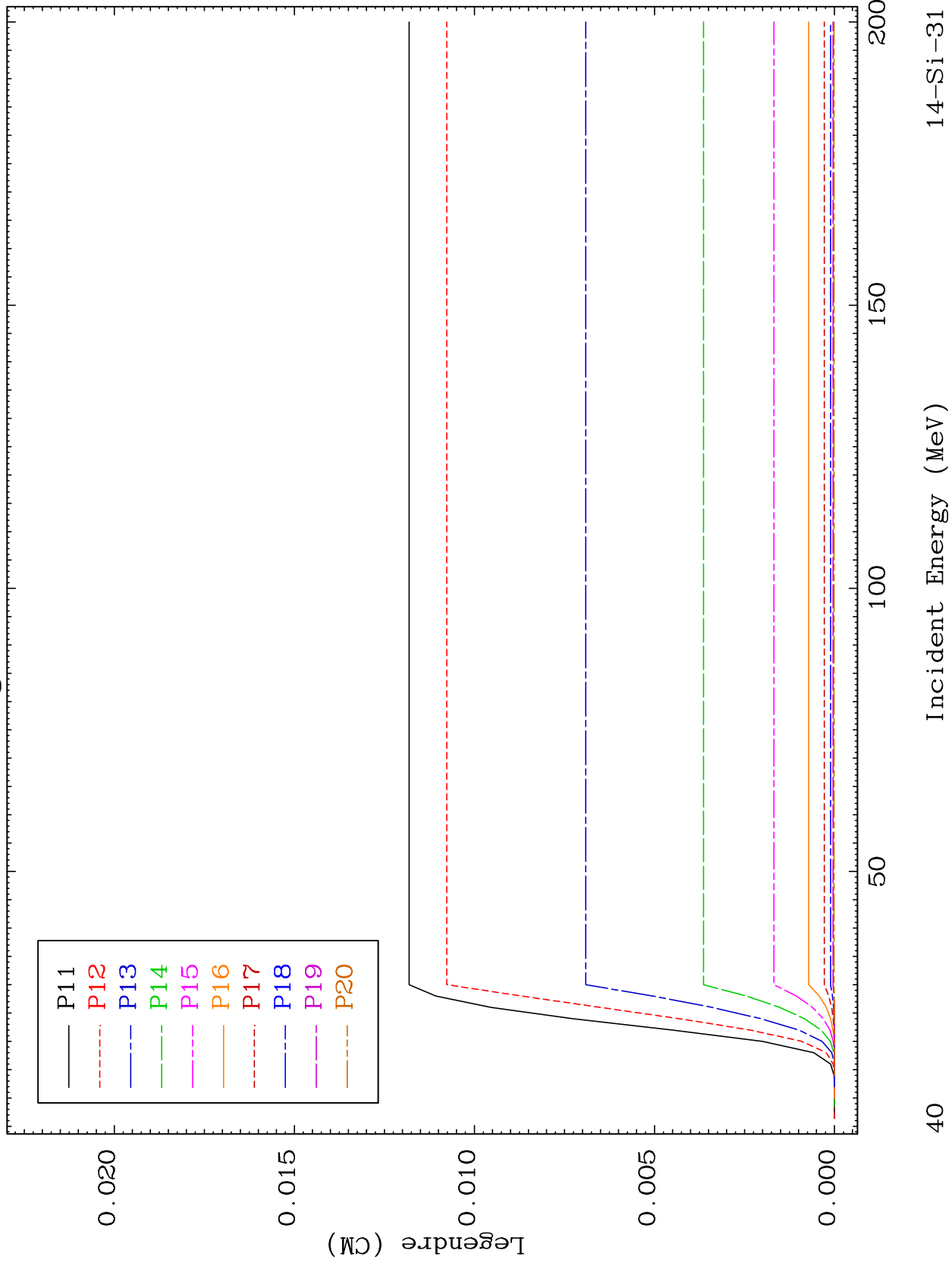
14-Si-31



MAT 1434

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

14-Si-31



40

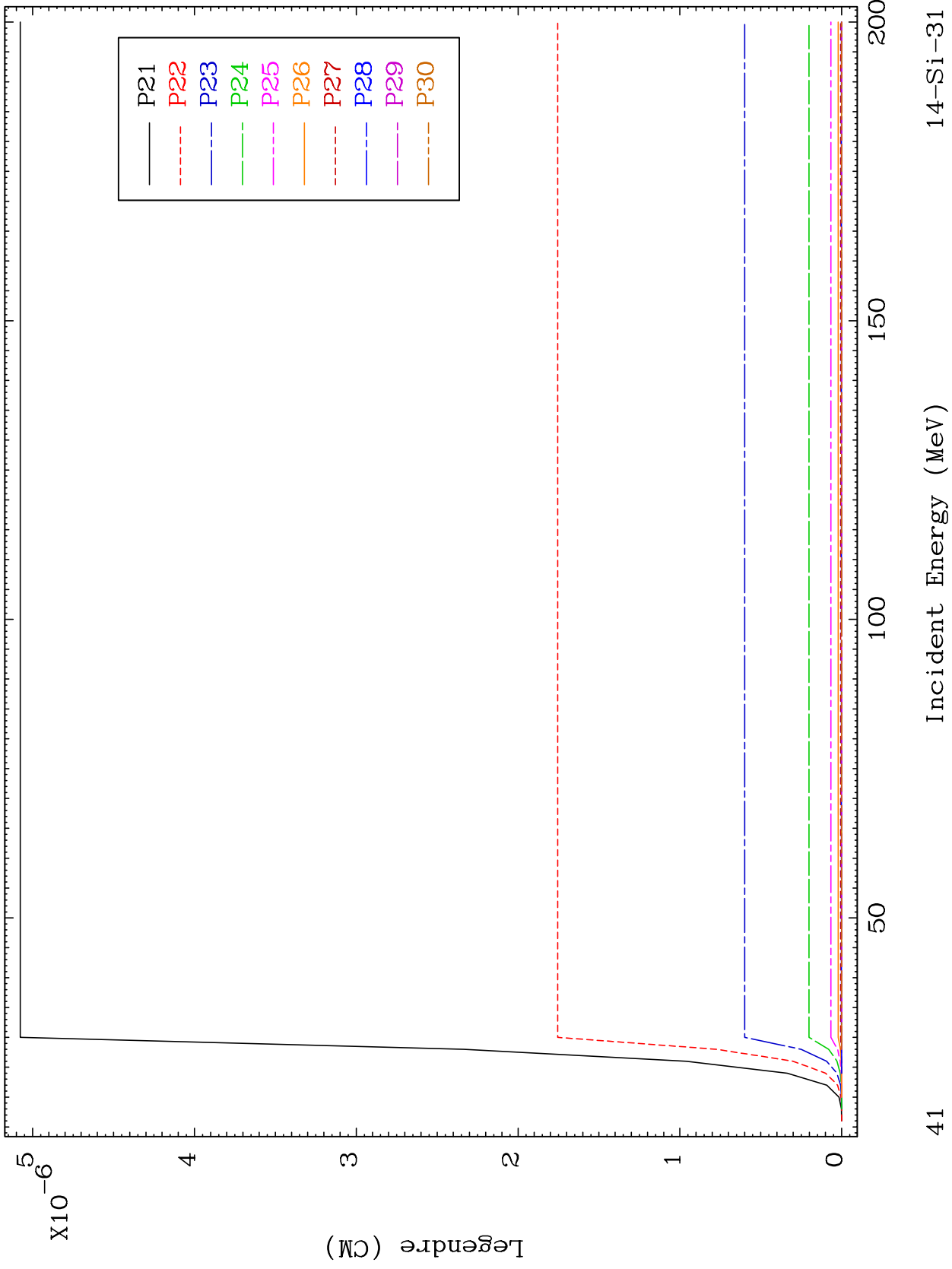
Incident Energy (MeV)

14-Si-31

MAT 1434

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

14-Si-31



41

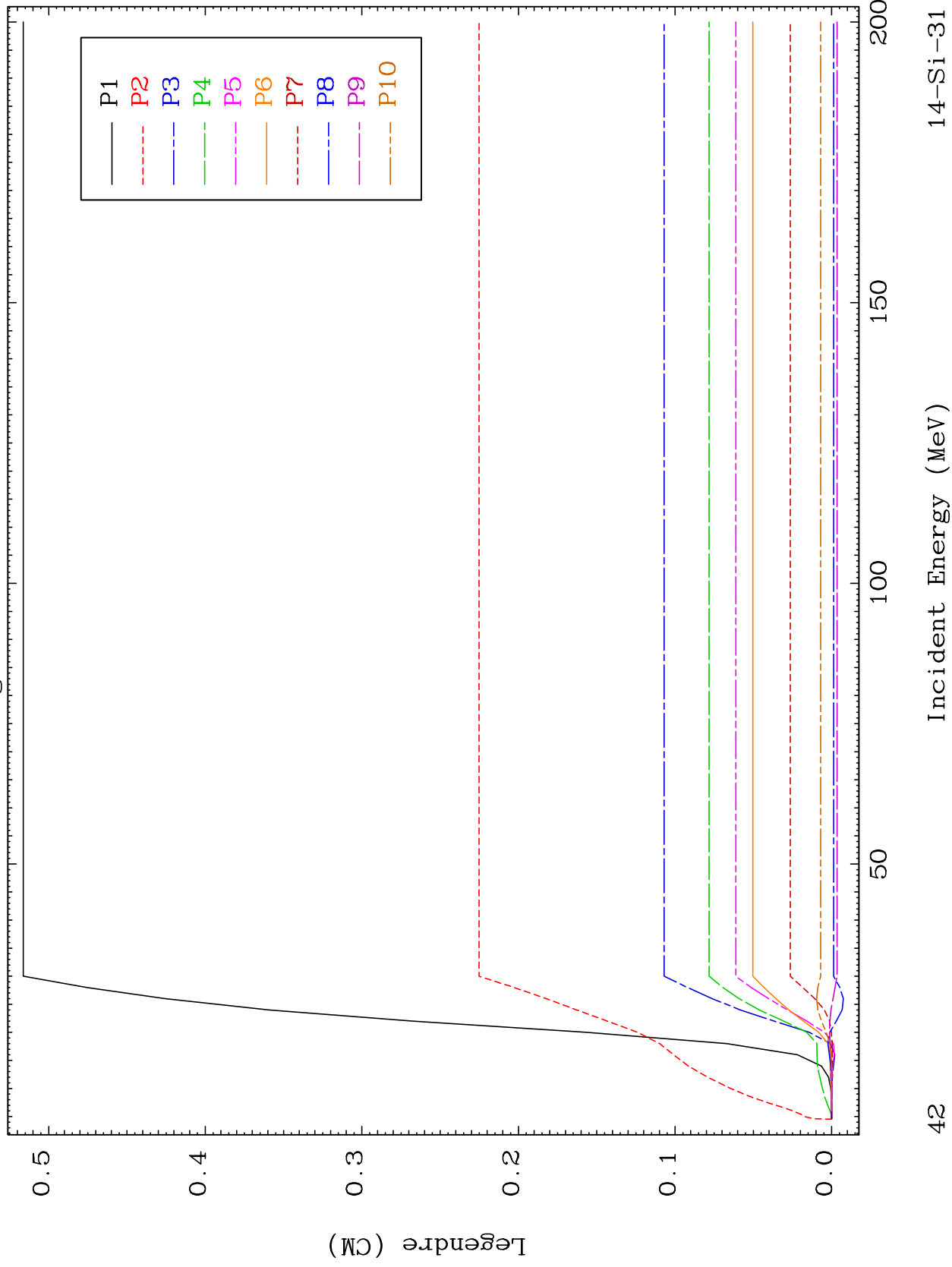
Incident Energy (MeV)

14-Si-31

MAT 1434

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

14-Si-31



42

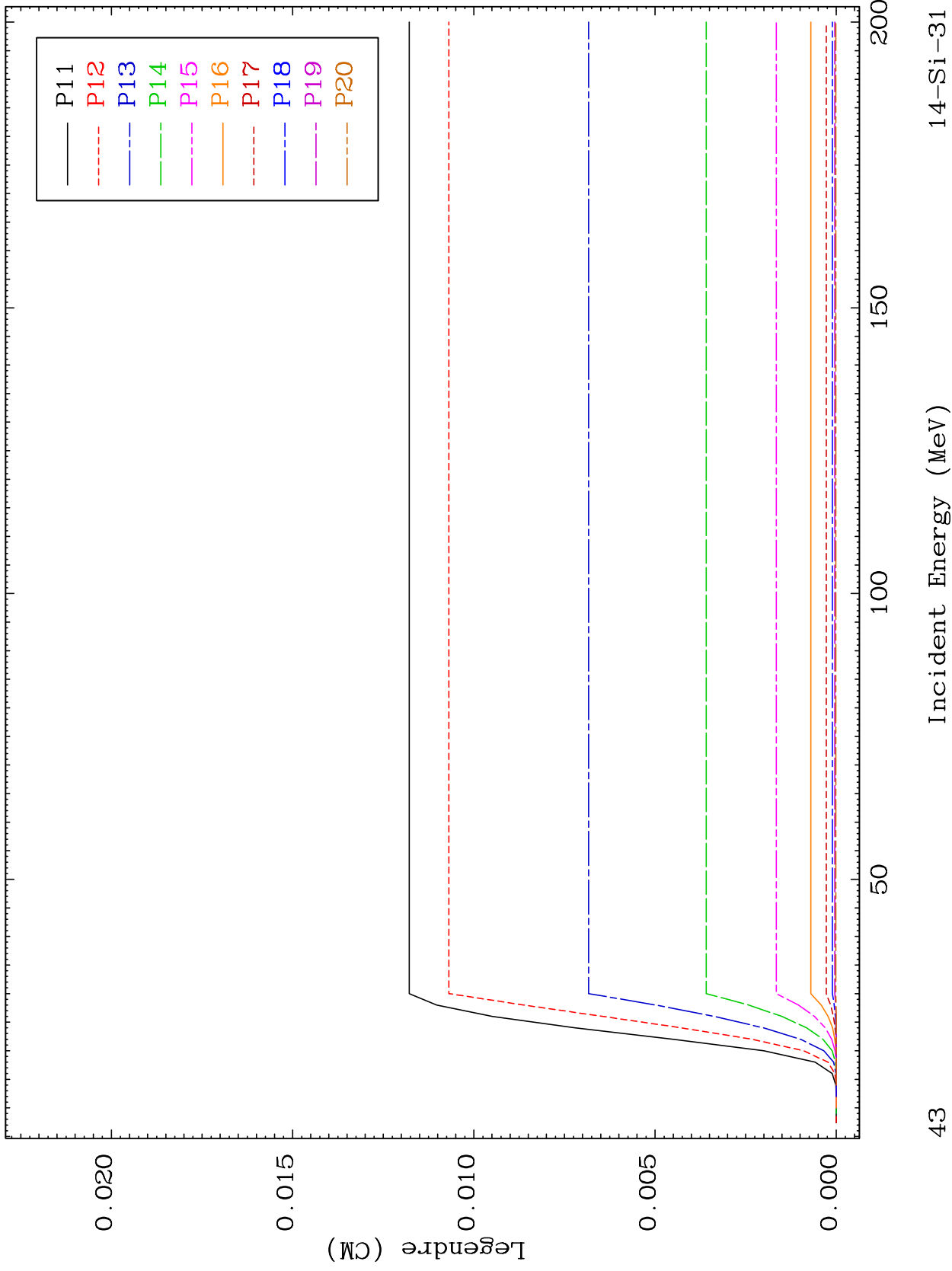
Incident Energy (MeV)

14-Si-31

MAT 1434

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

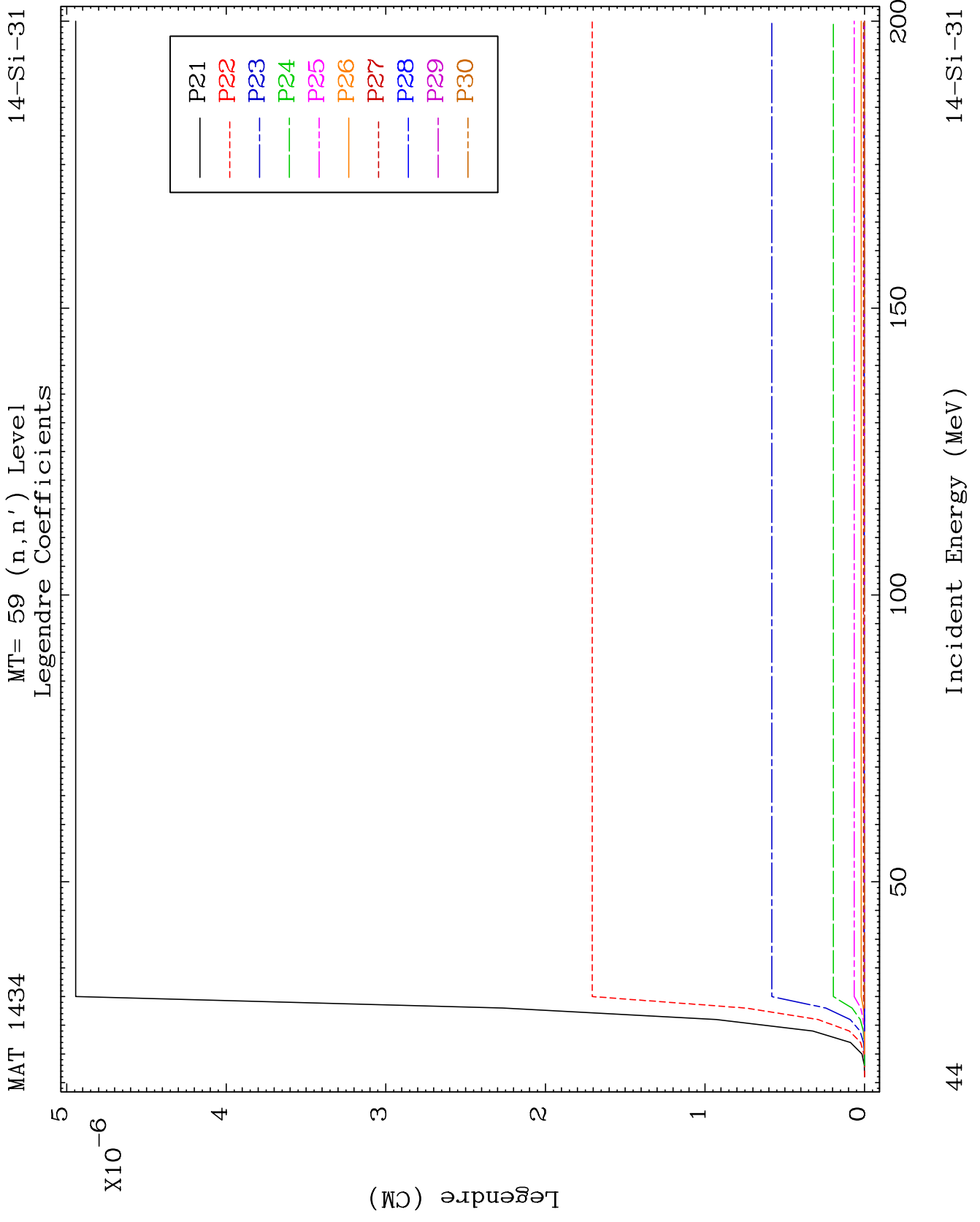
14-Si-31



43

Incident Energy (MeV)

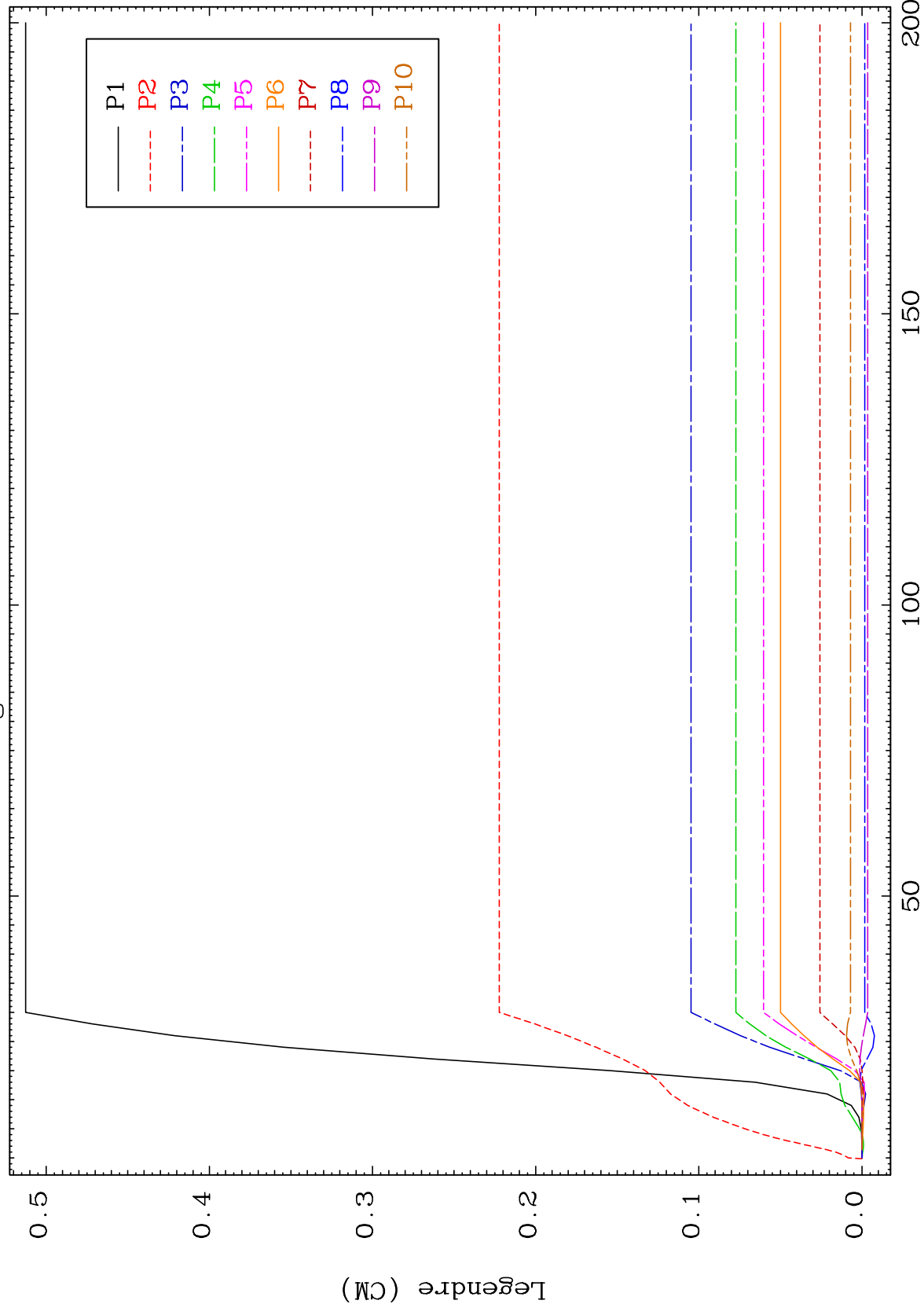
14-Si-31



MAT 1434

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

14-Si-31



45

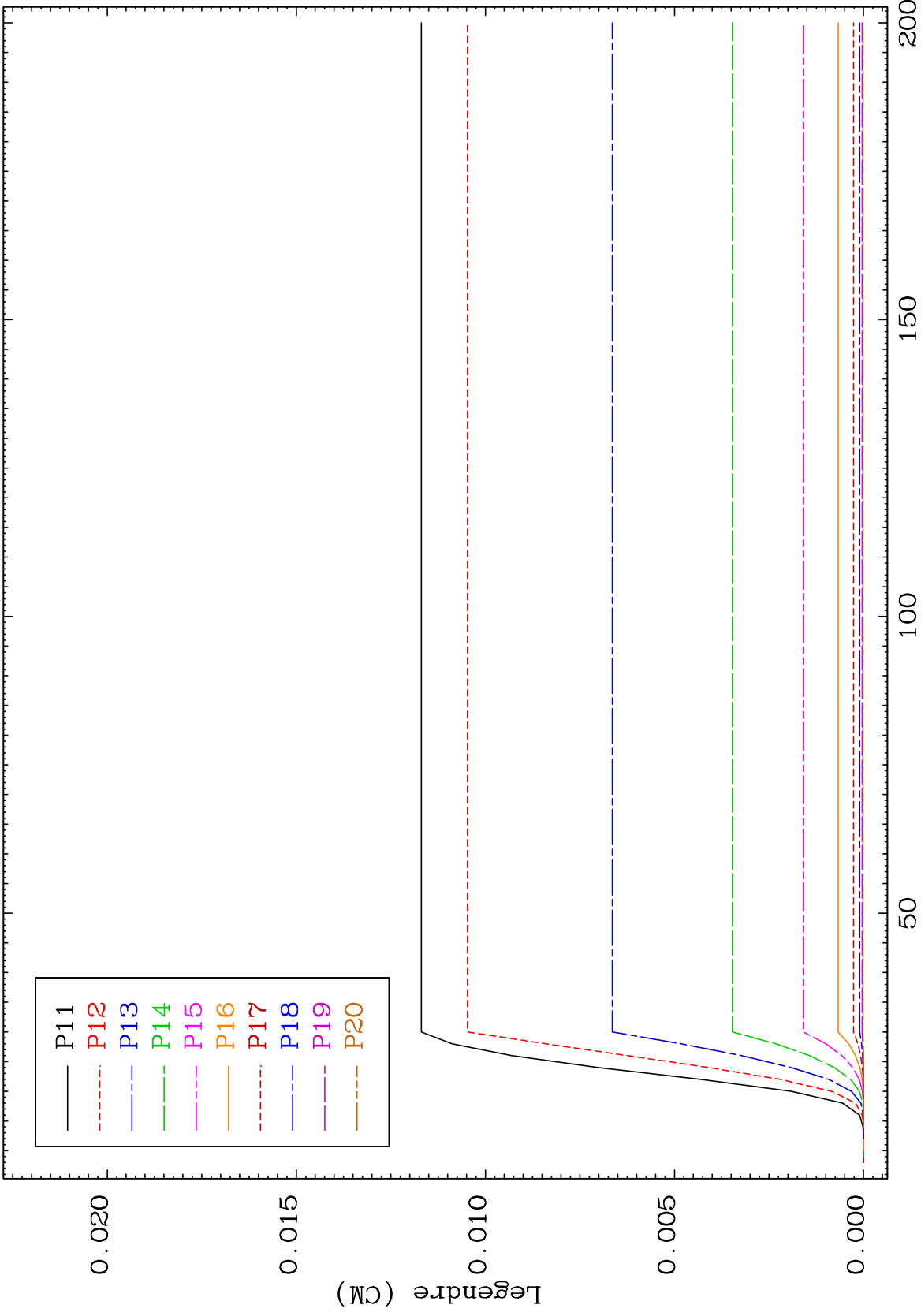
Incident Energy (MeV)

14-Si-31

MAT 1434

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

14-Si-31



46

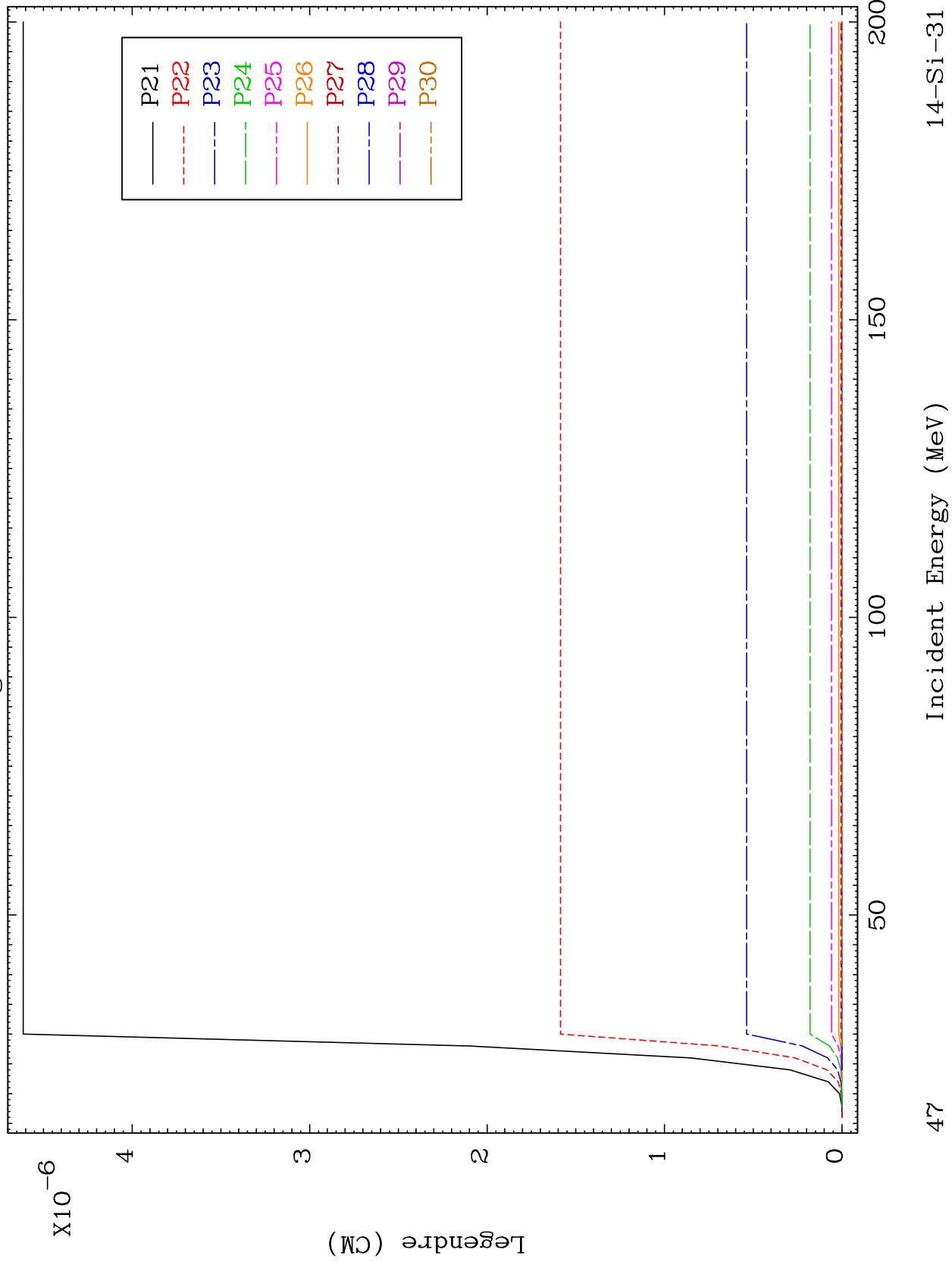
Incident Energy (MeV)

14-Si-31

MAT 1434

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

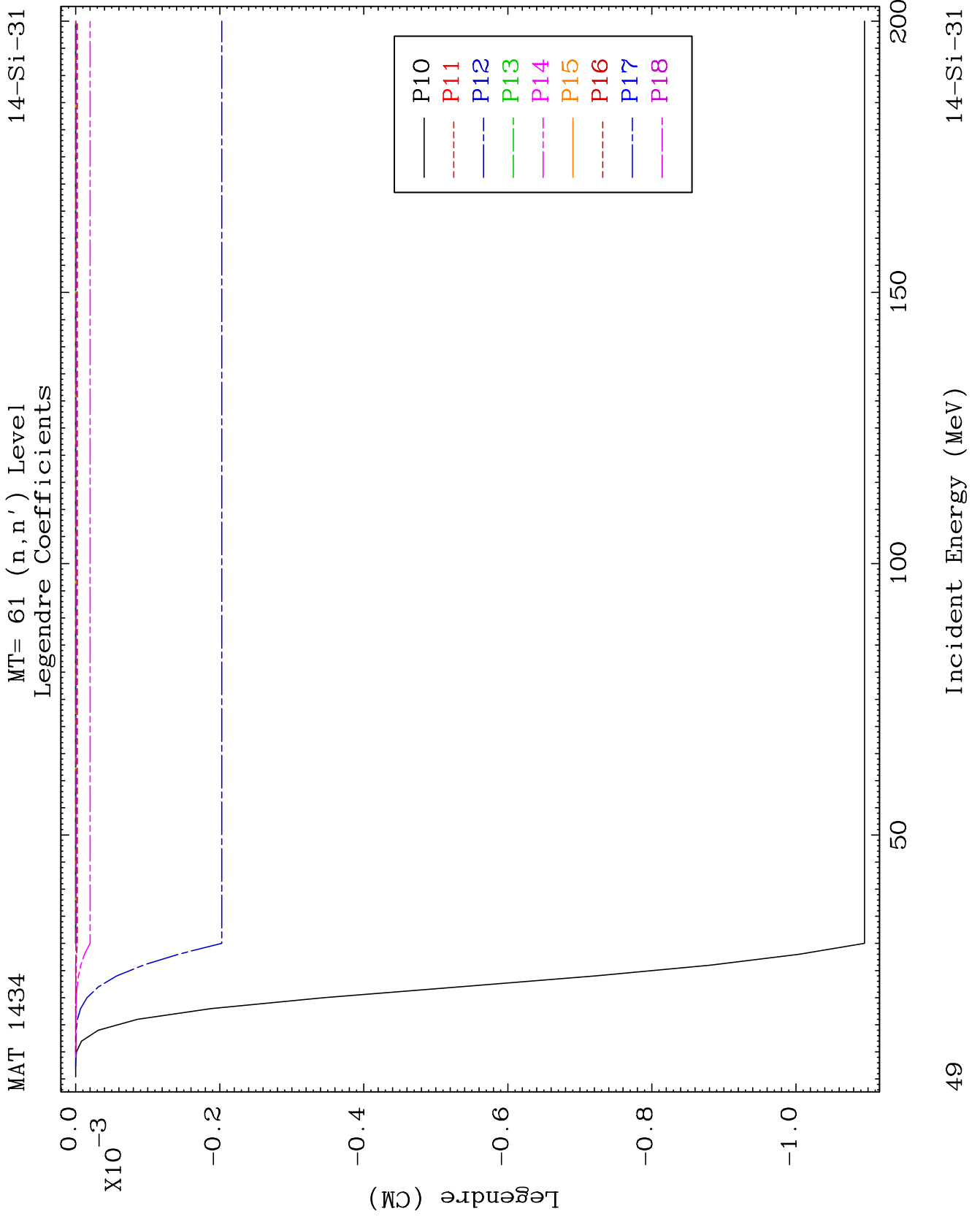
14-Si-31

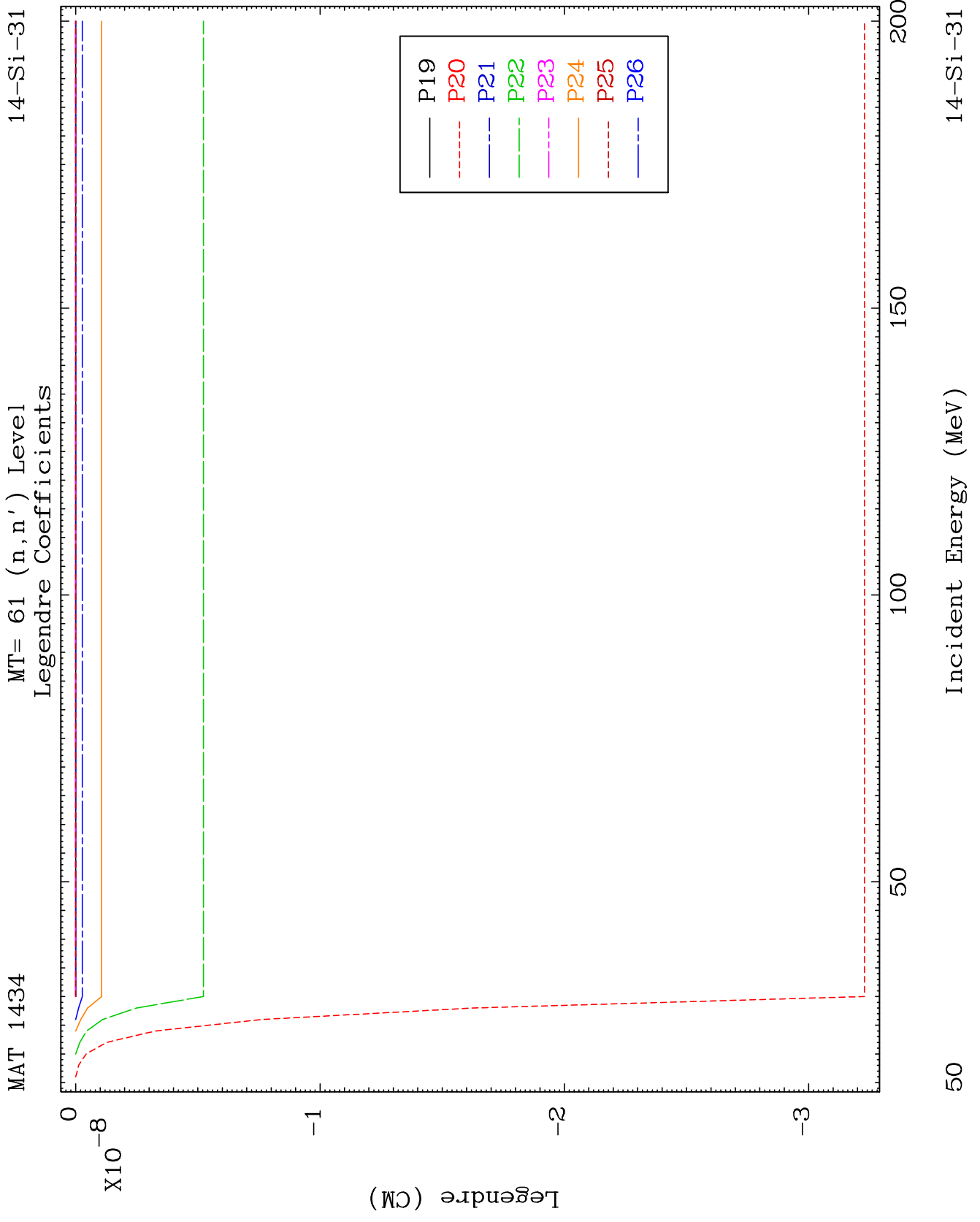


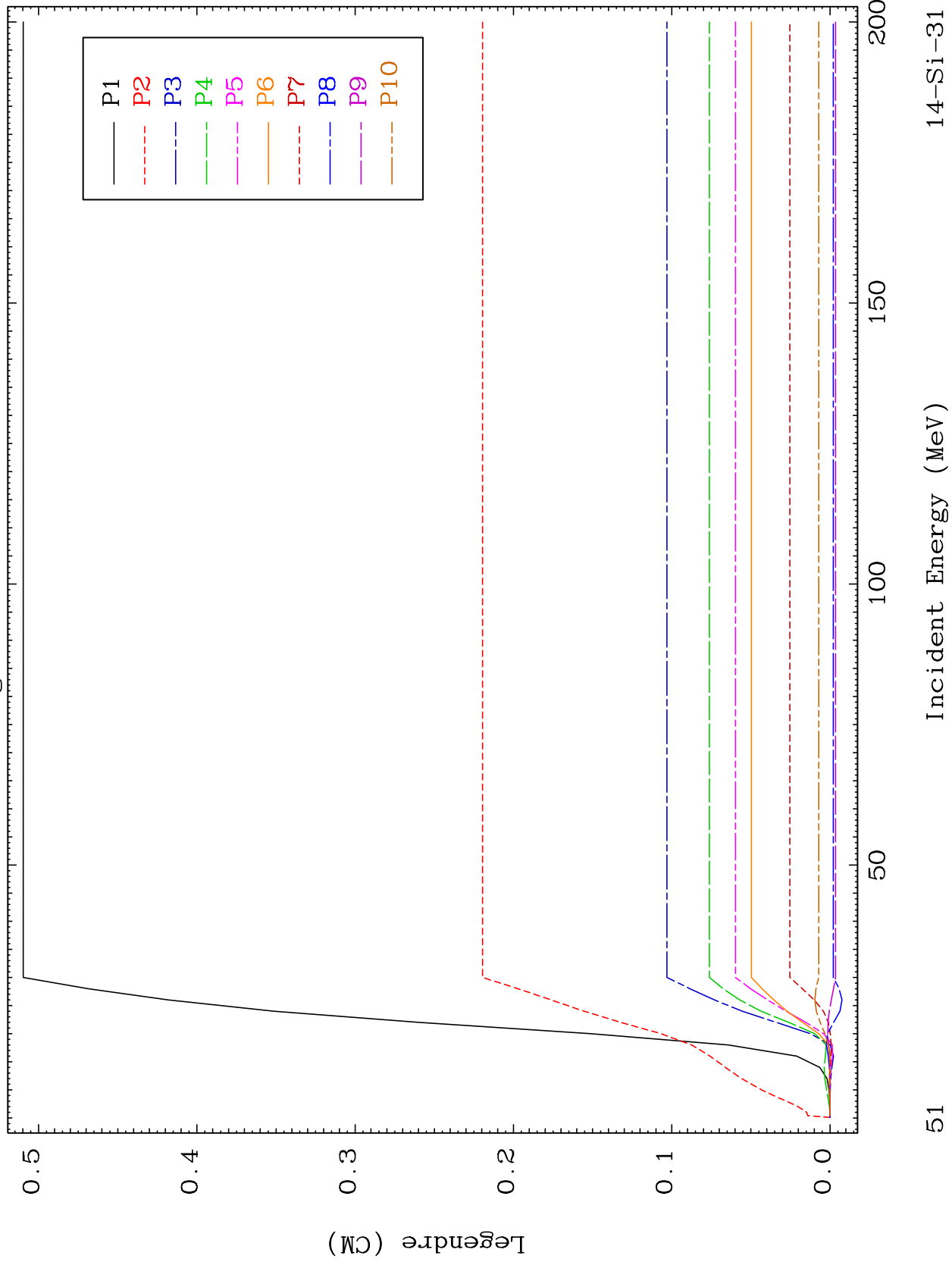
47

Incident Energy (MeV)

14-Si-31



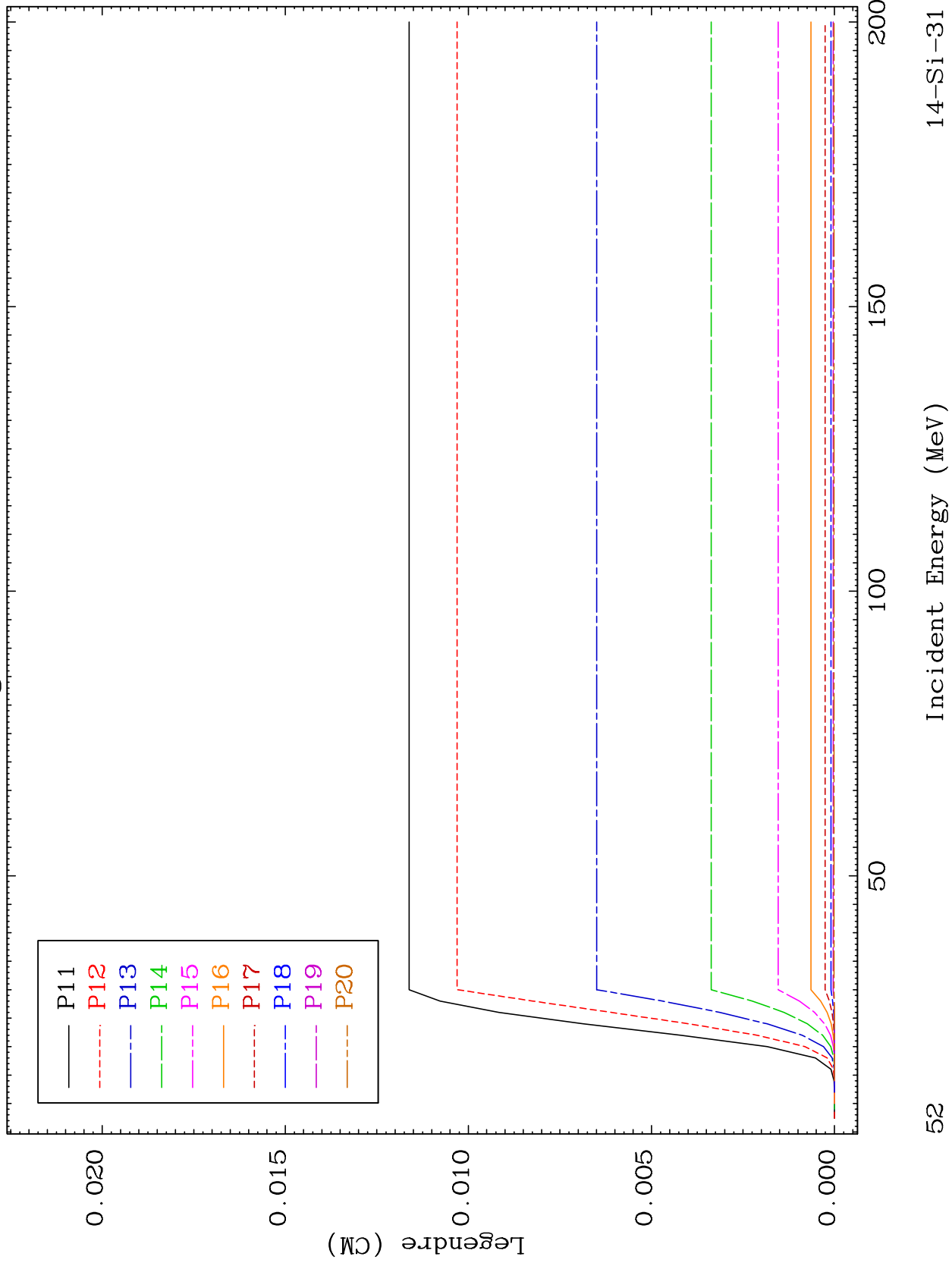




MAT 1434

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

14-Si-31



52

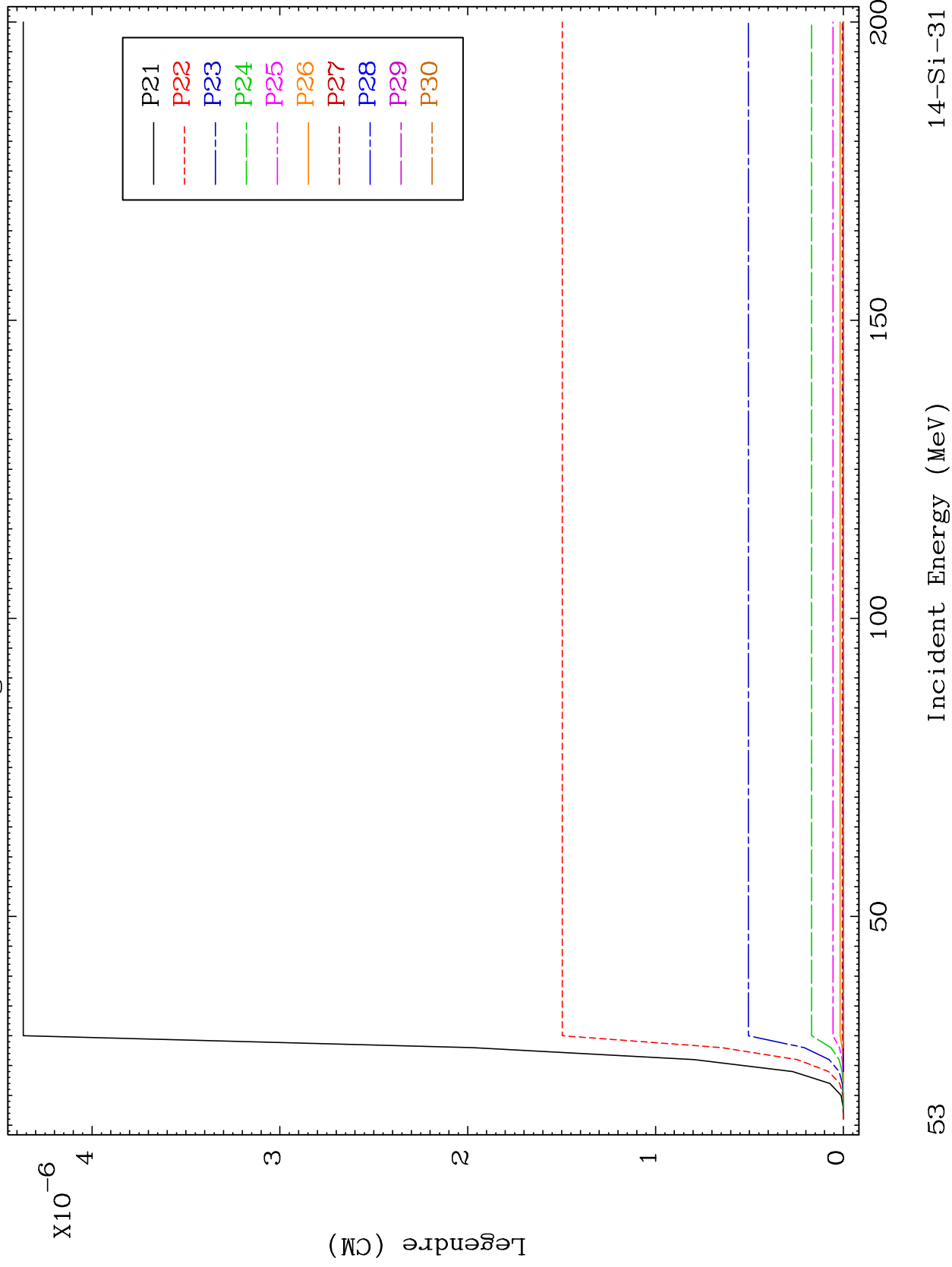
Incident Energy (MeV)

14-Si-31

MAT 1434

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

14-Si-31



53

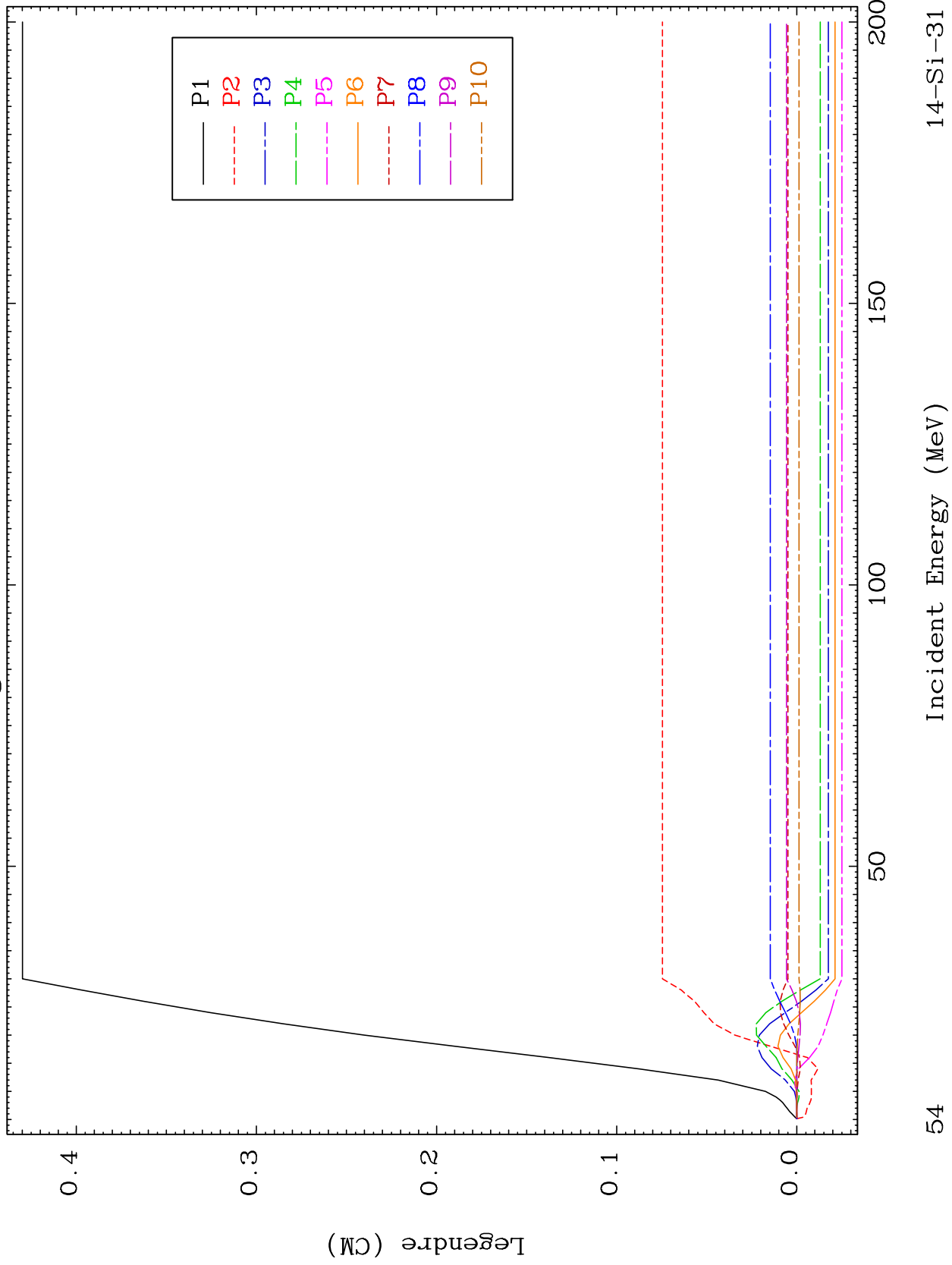
Incident Energy (MeV)

14-Si-31

MAT 1434

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

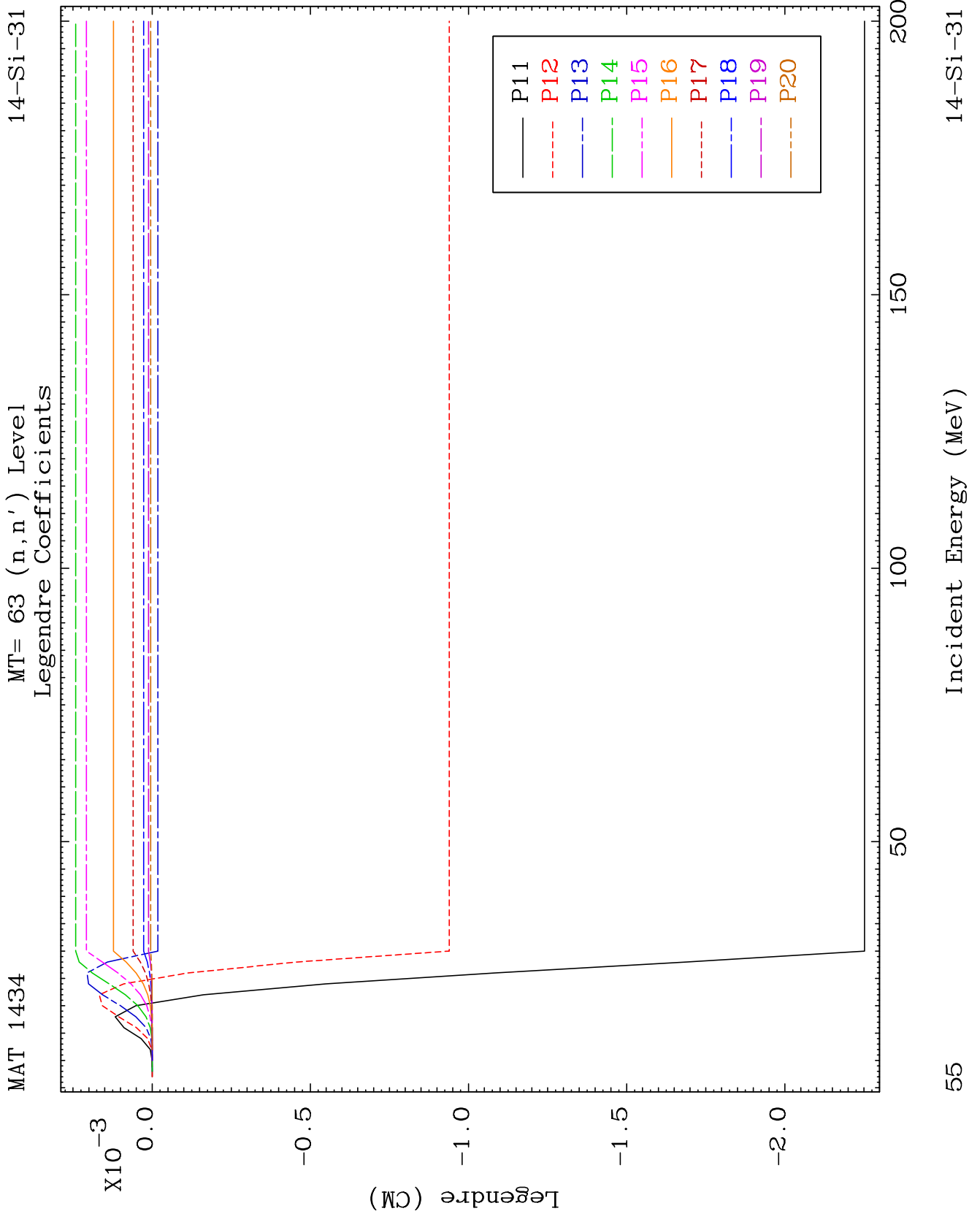
14-Si-31



54

Incident Energy (MeV)

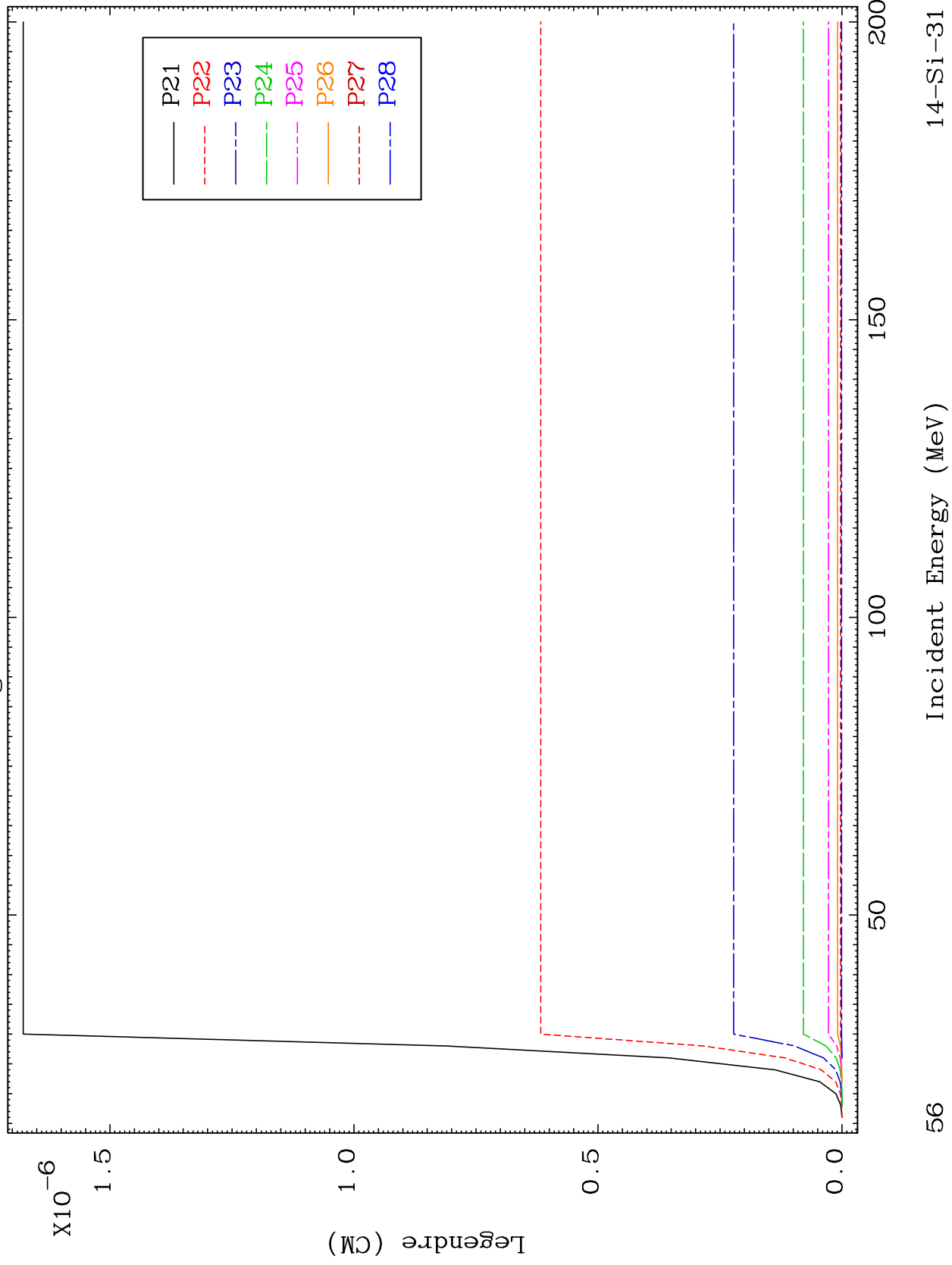
14-Si-31



MAT 1434

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

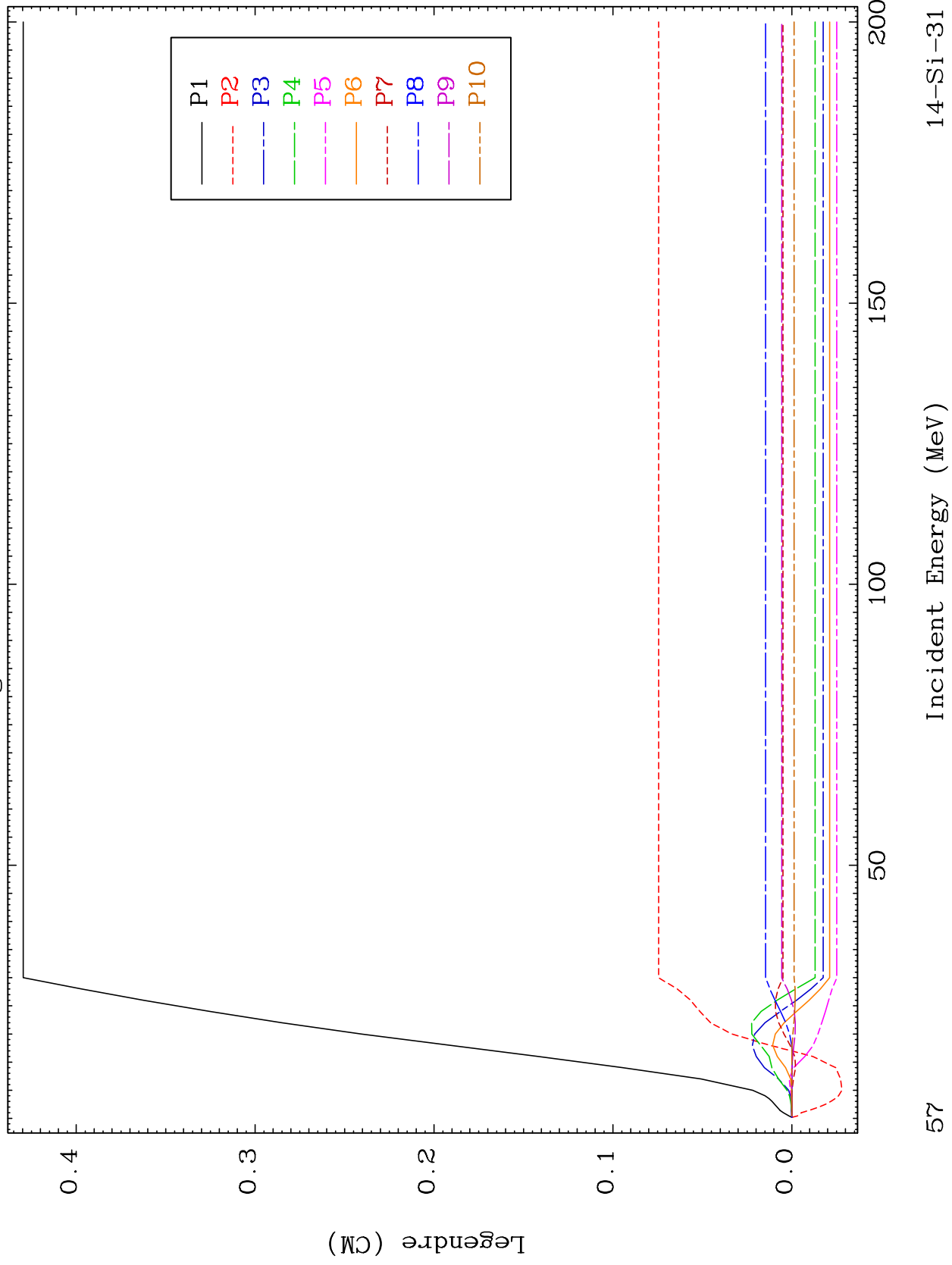
14-Si-31



MAT 1434

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

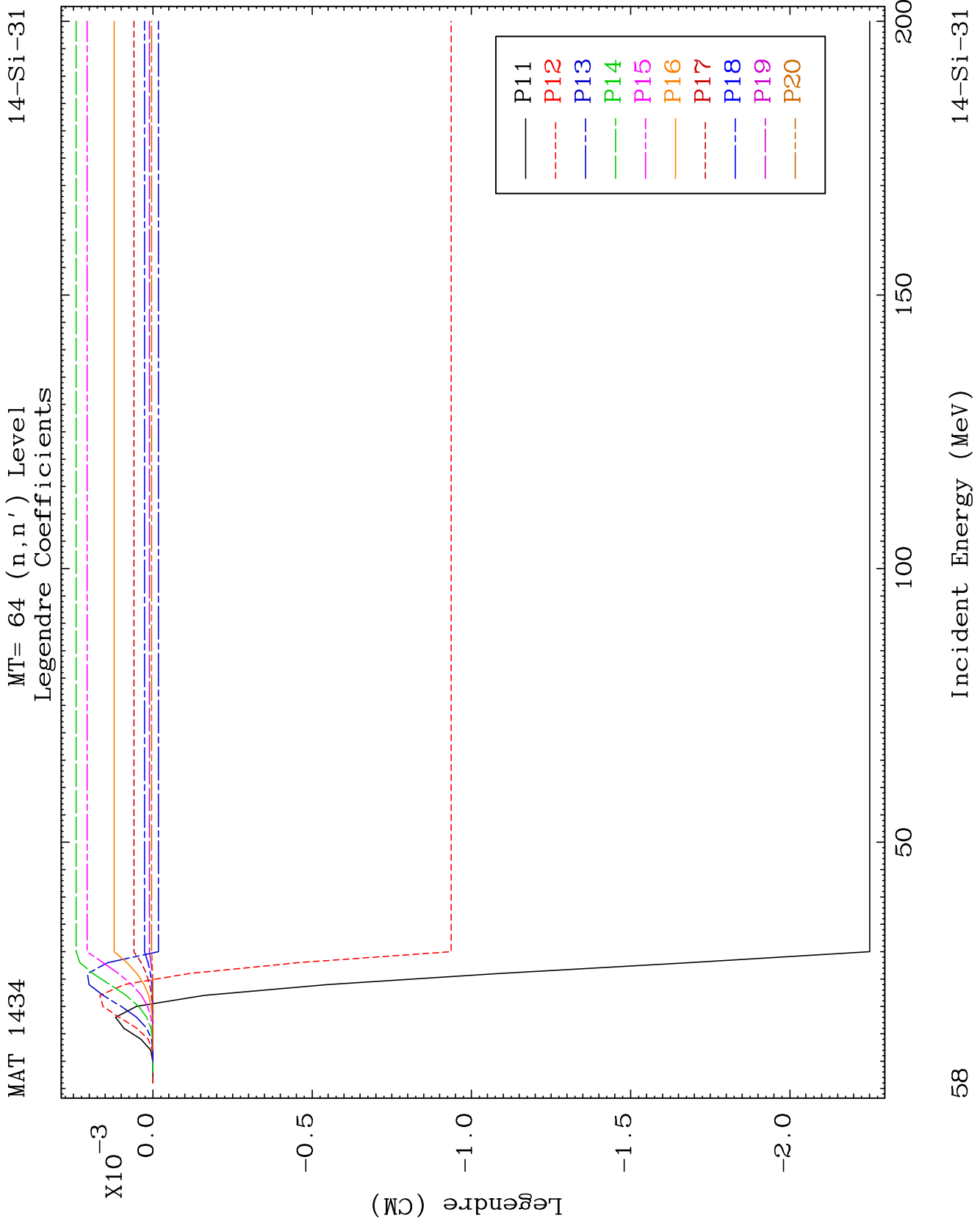
14-Si-31



57

Incident Energy (MeV)

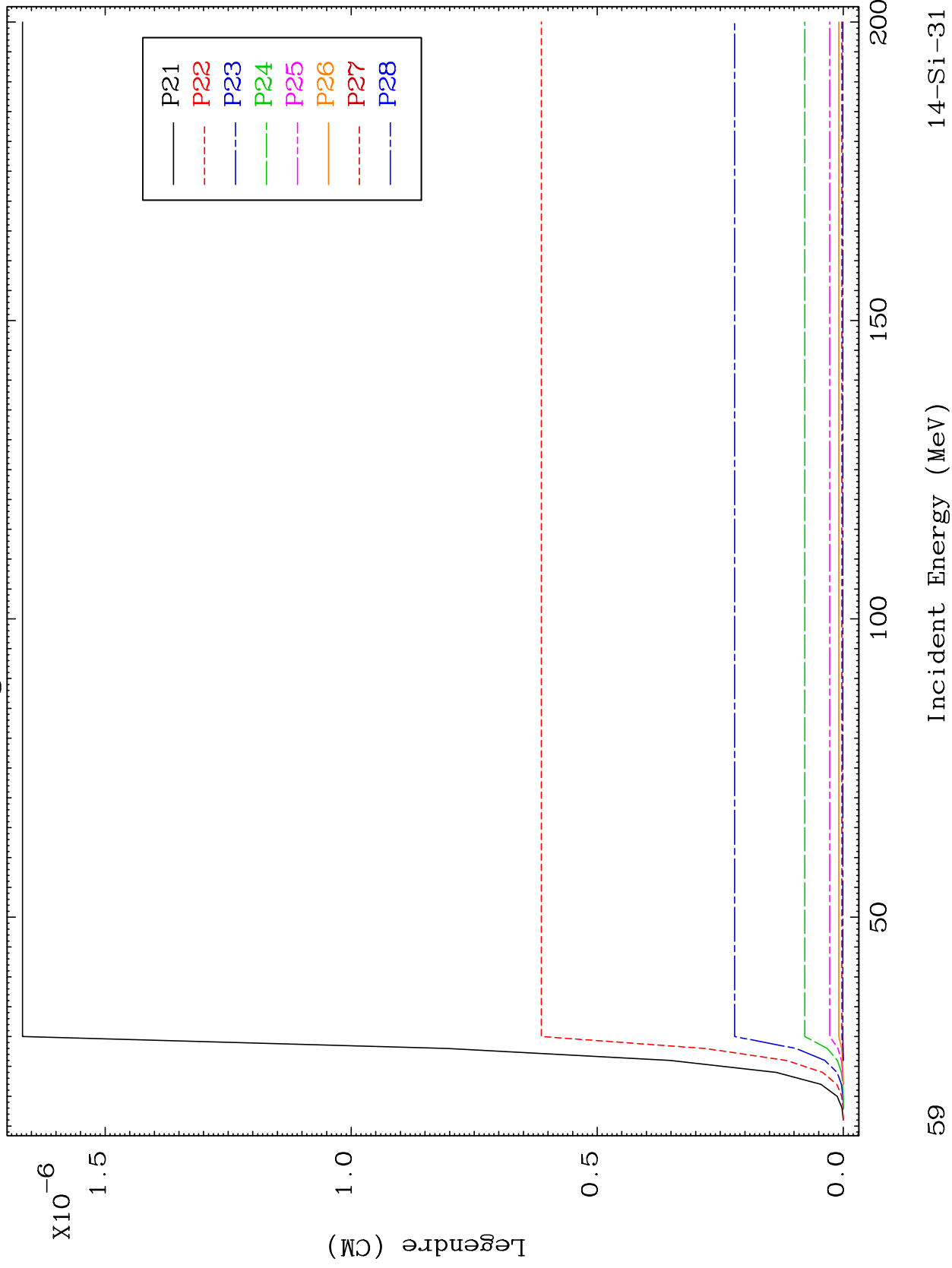
14-Si-31



MAT 1434

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

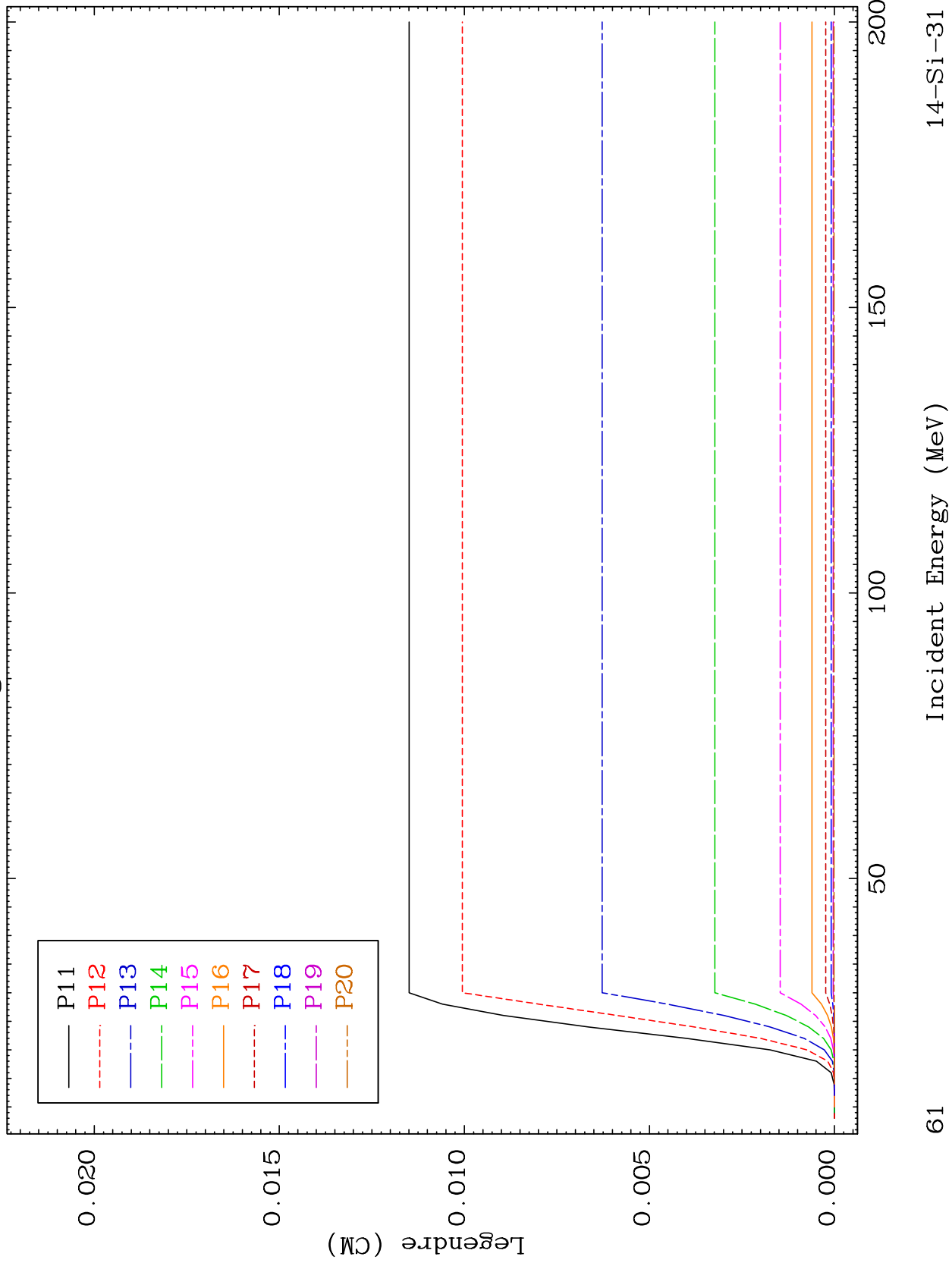
14-Si-31



MAT 1434

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

14-Si-31



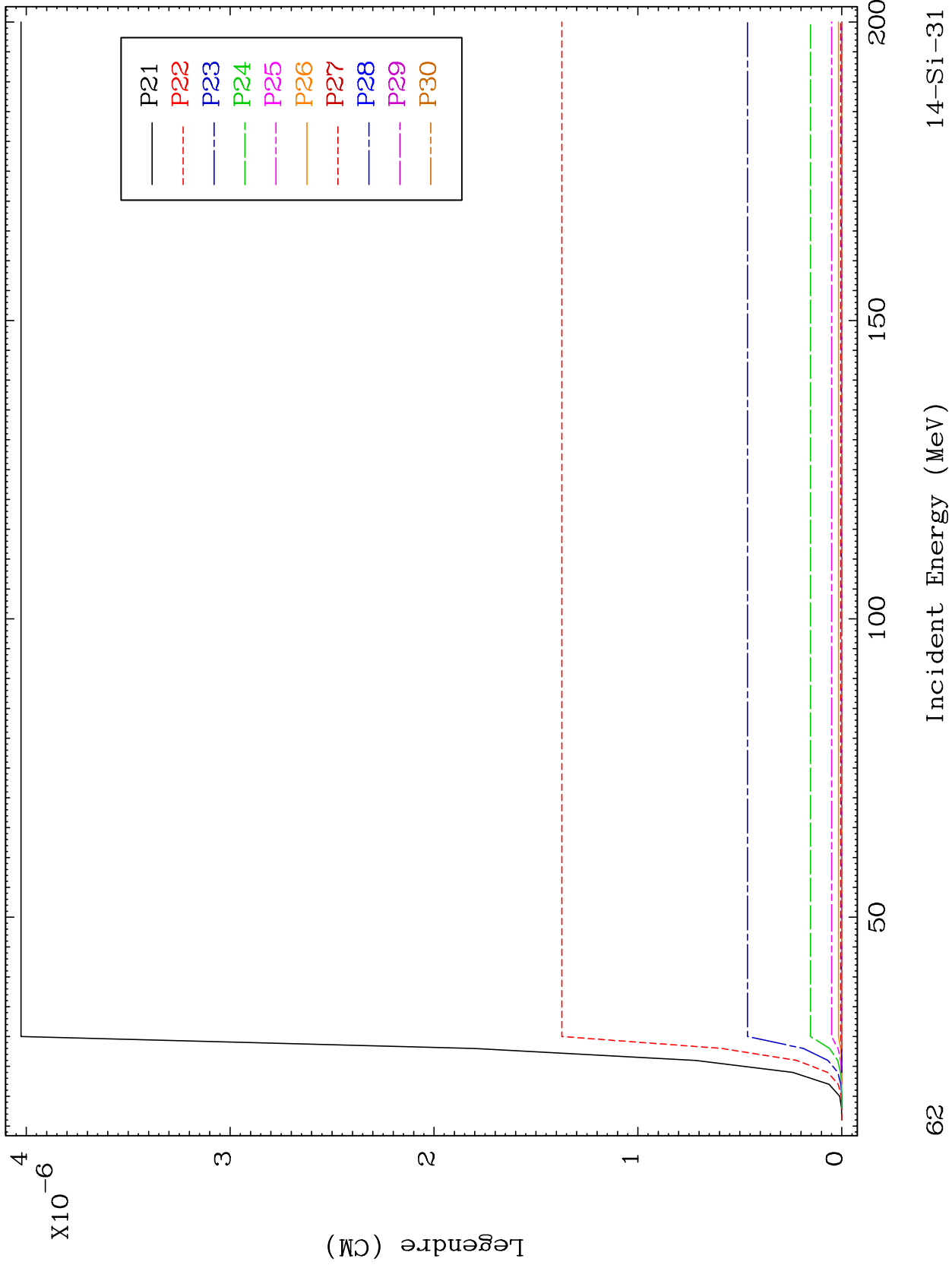
61

14-Si-31

MAT 1434

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

14-Si-31



62

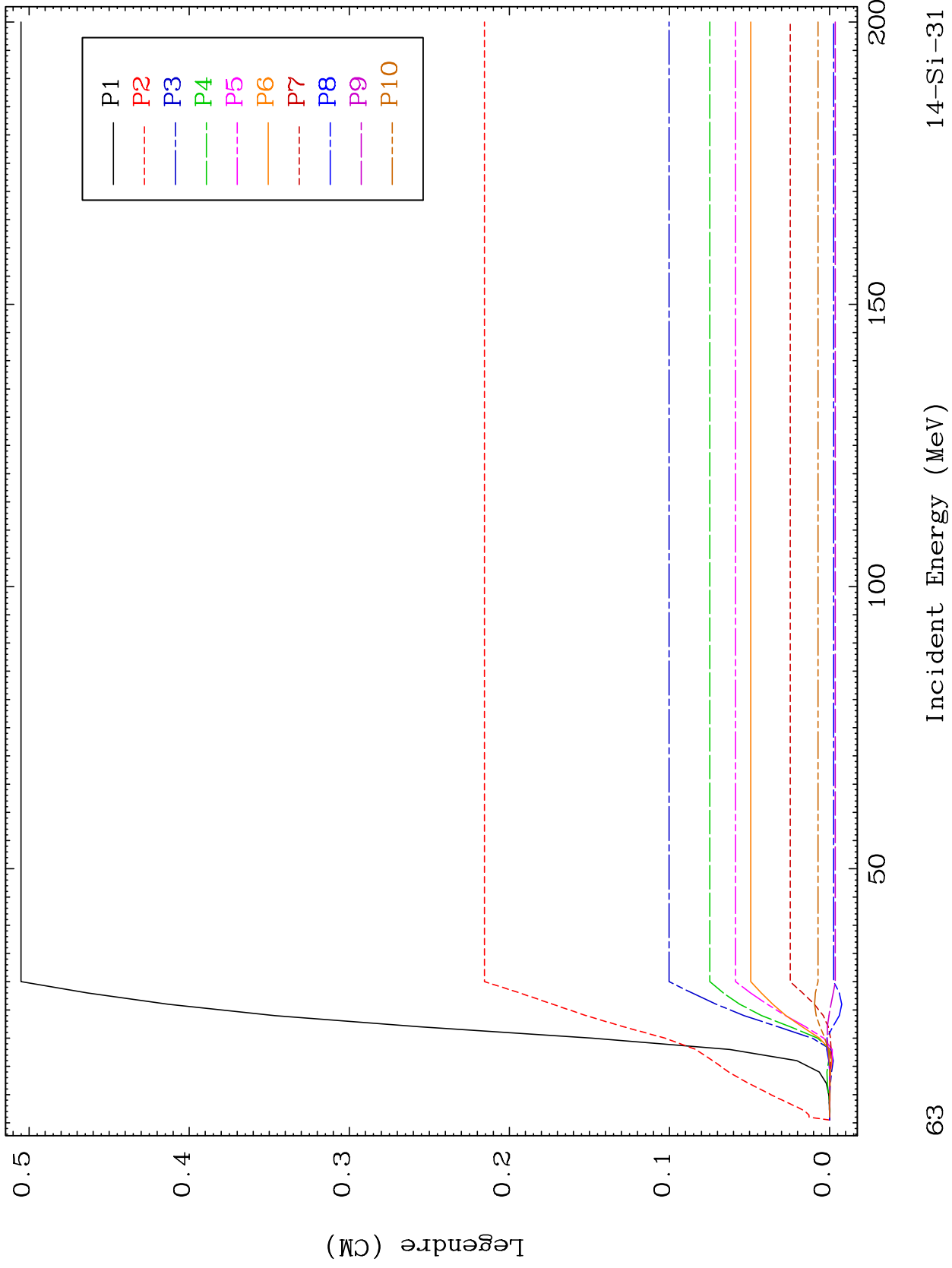
Incident Energy (MeV)

14-Si-31

MAT 1434

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

¹⁴Si-31

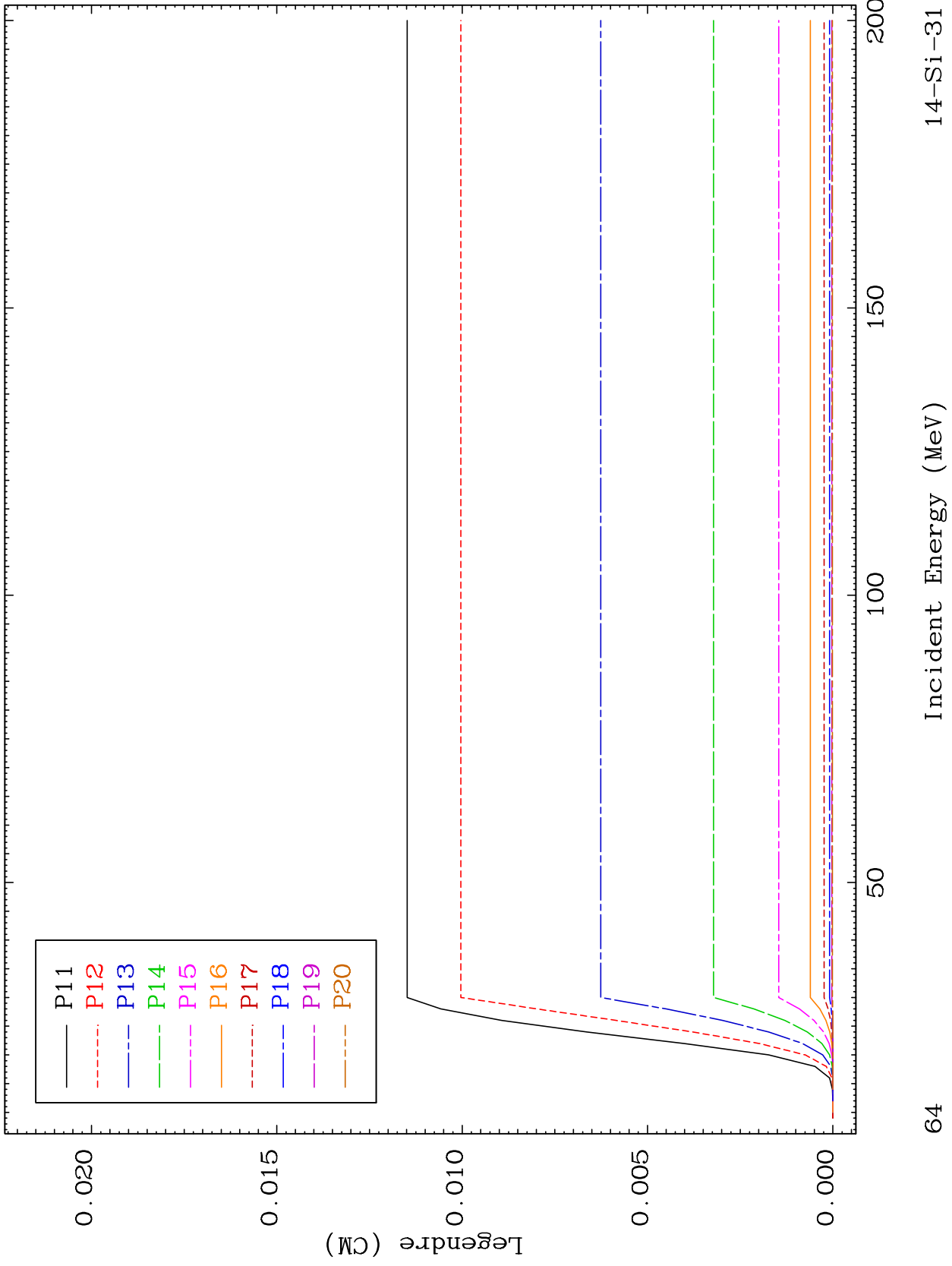


63

MAT 1434

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

14-Si-31



64

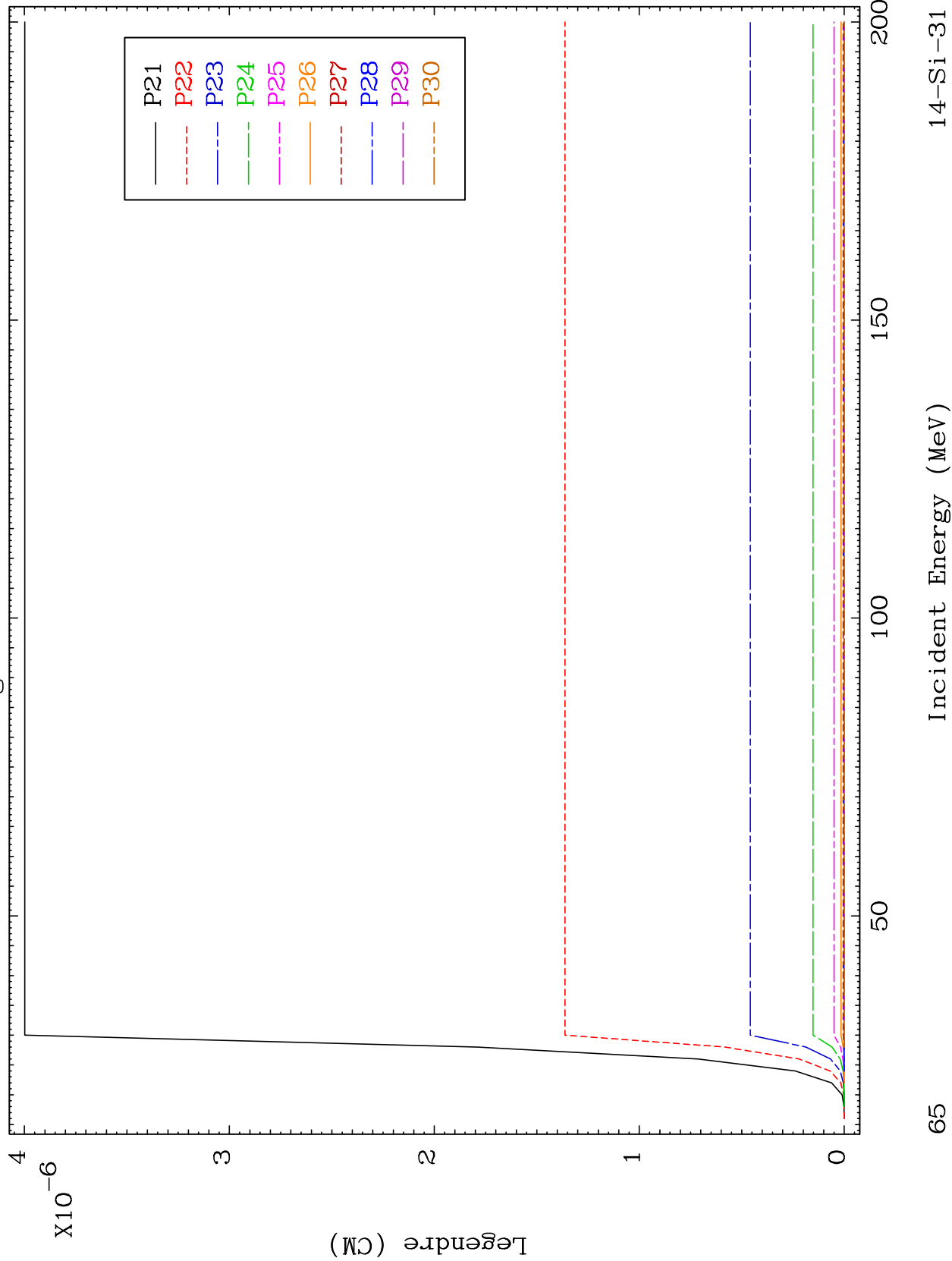
Incident Energy (MeV)

14-Si-31

MAT 1434

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

14-Si-31



65

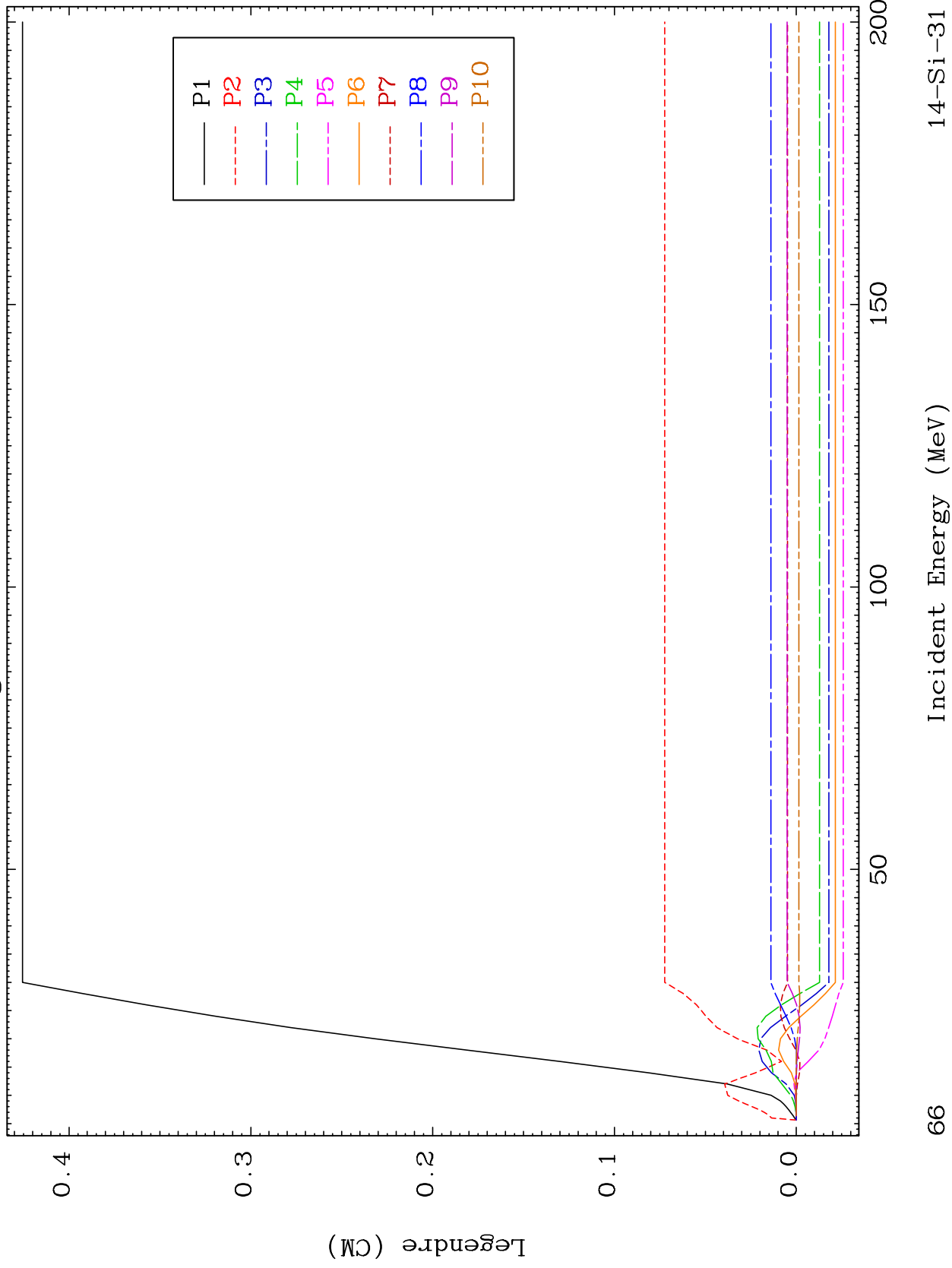
Incident Energy (MeV)

14-Si-31

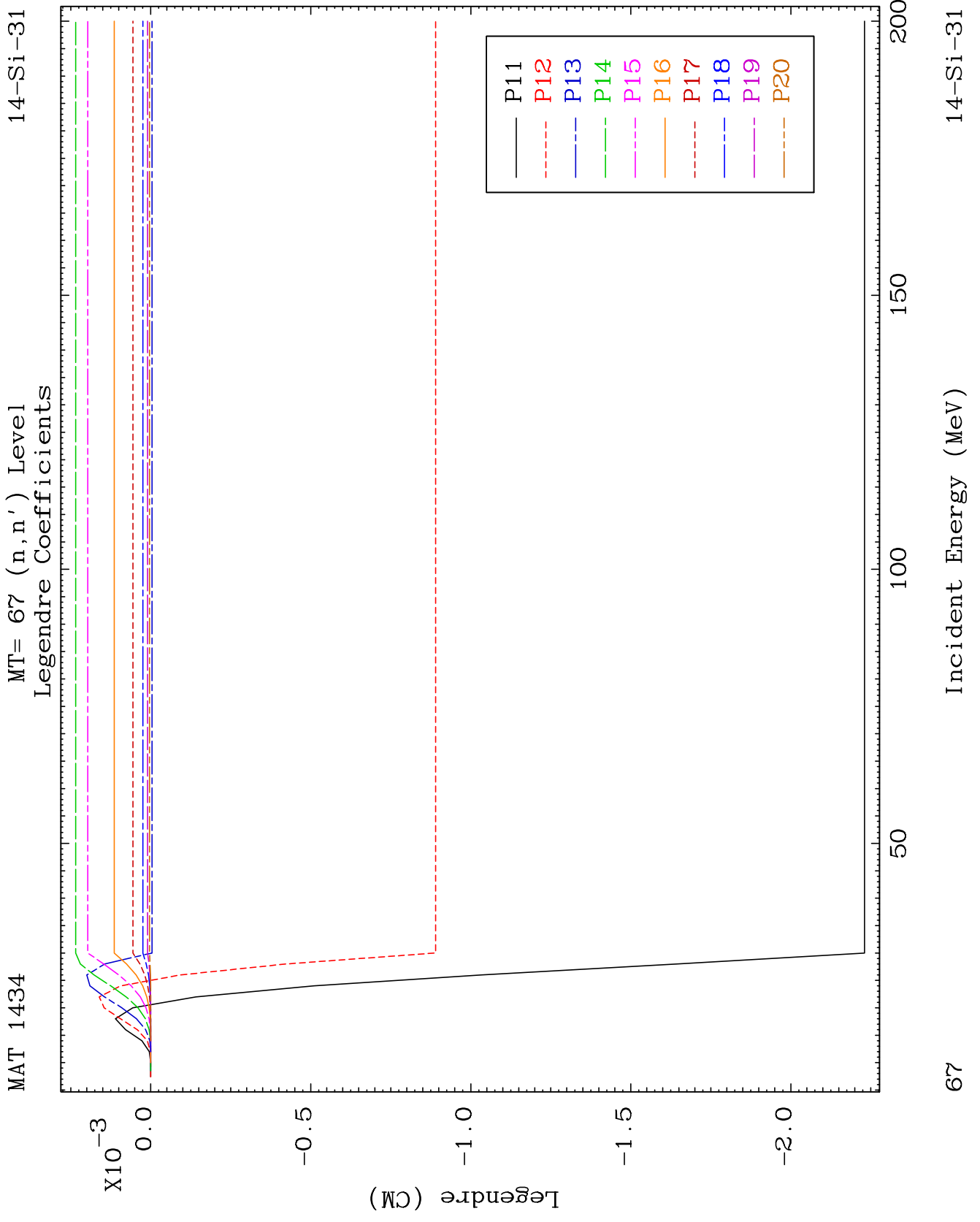
MAT 1434

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

14-Si-31



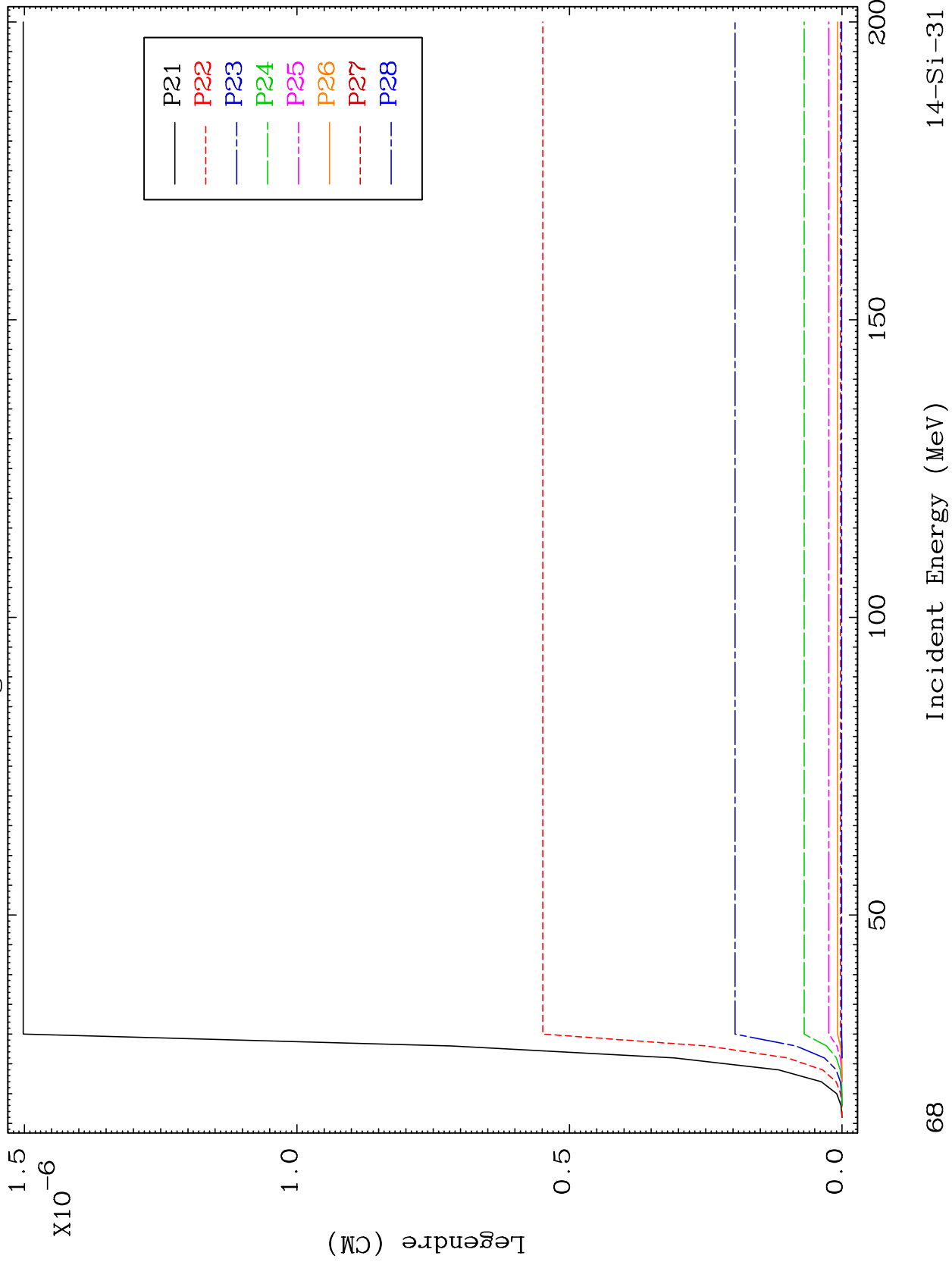
66



MAT 1434

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

14-Si-31

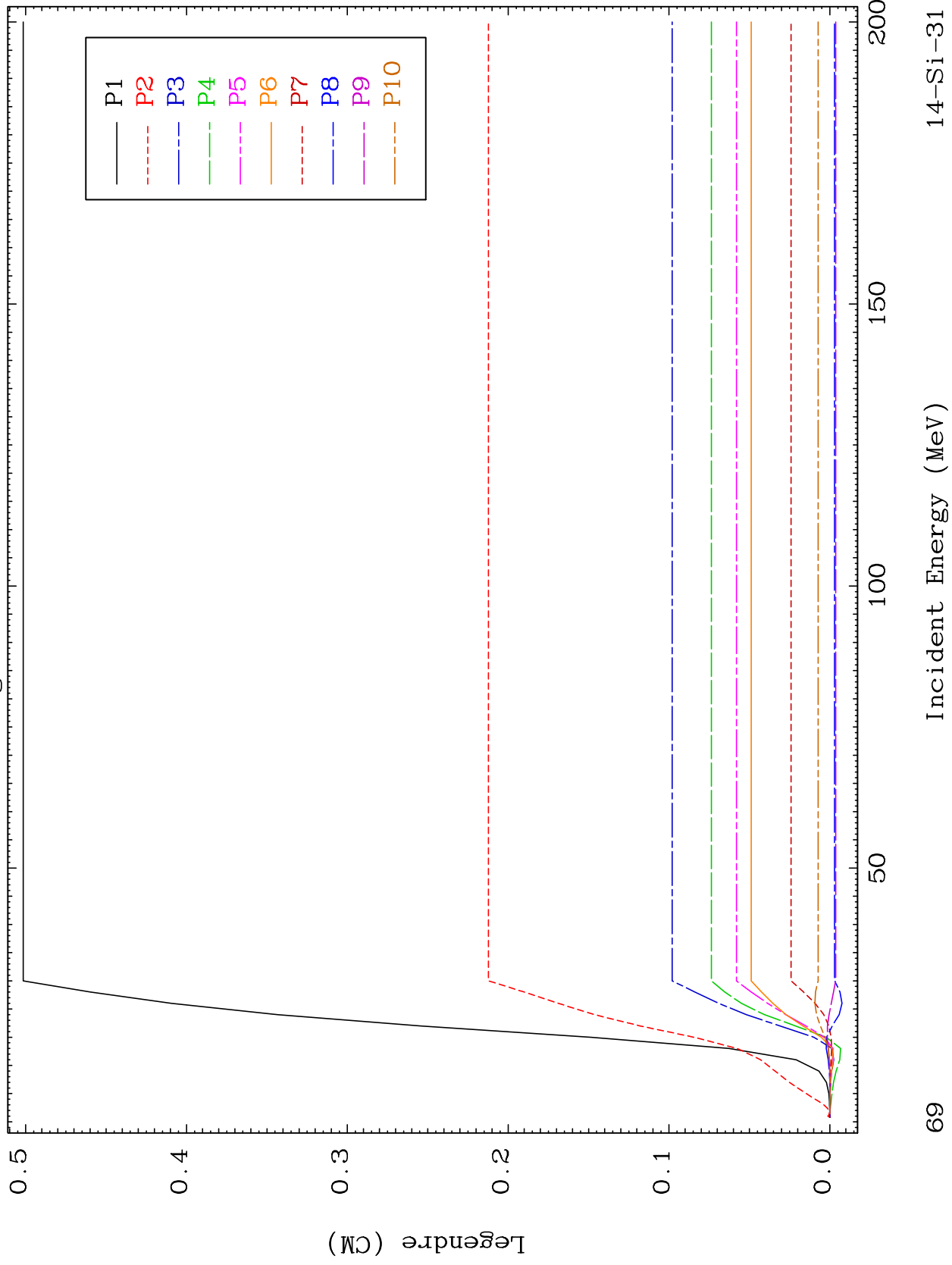


68

MAT 1434

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

14-Si-31



69

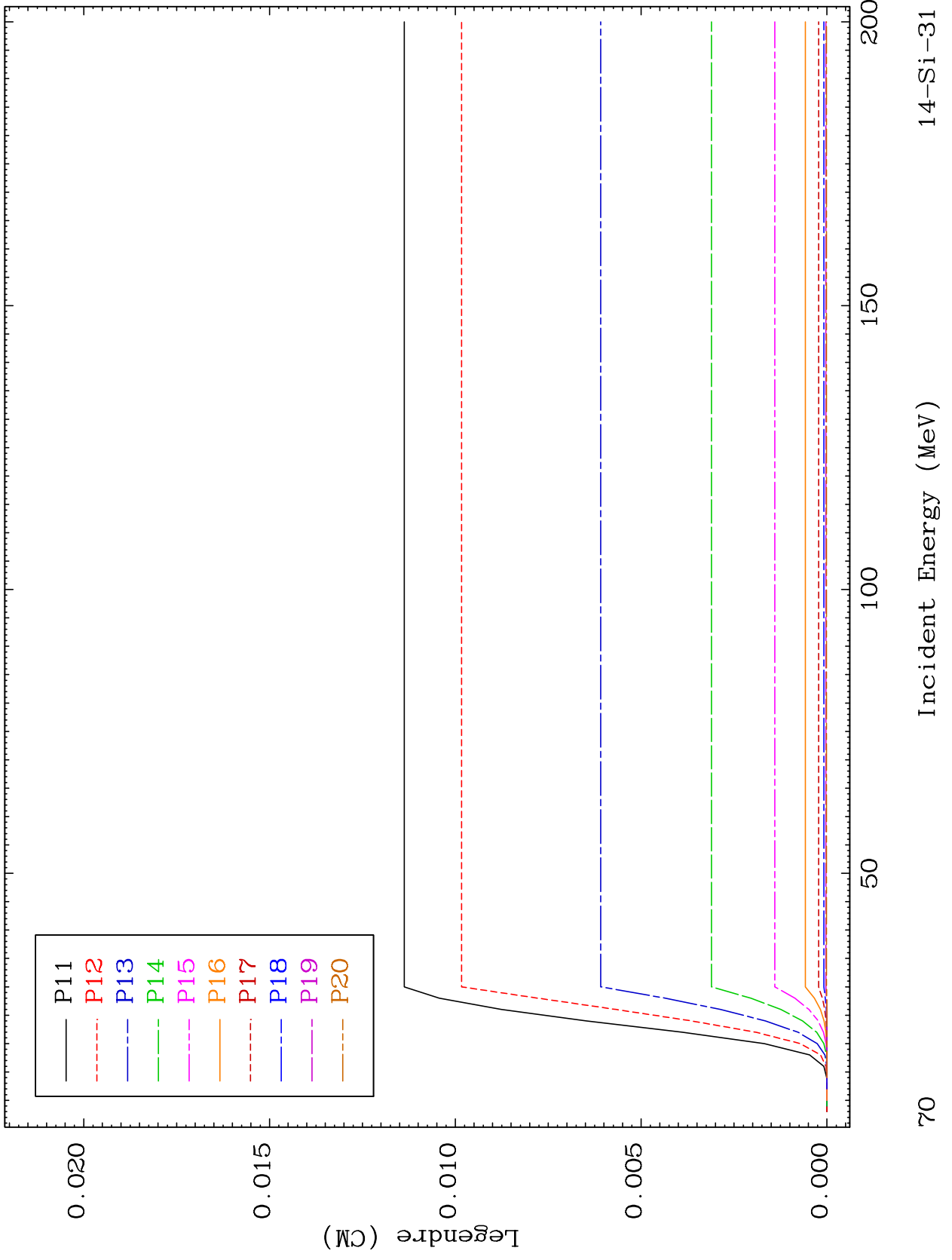
Incident Energy (MeV)

14-Si-31

MAT 1434

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

14-Si-31



70

Incident Energy (MeV)

14-Si-31

MAT 1434

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

14-Si-31

