

Program EVALPLOT
(Version 2021-1)

by

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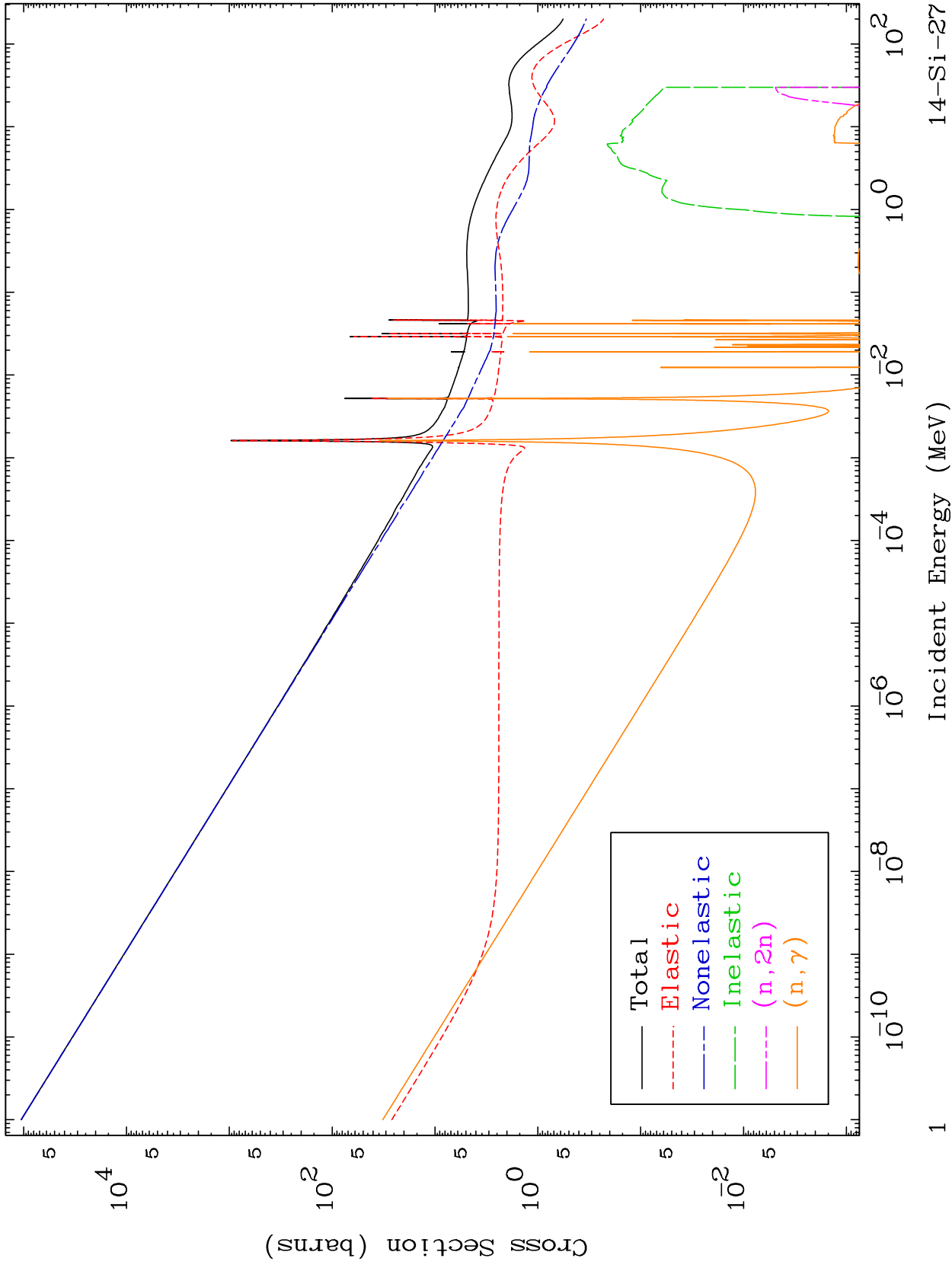
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Press Mouse Button to Start

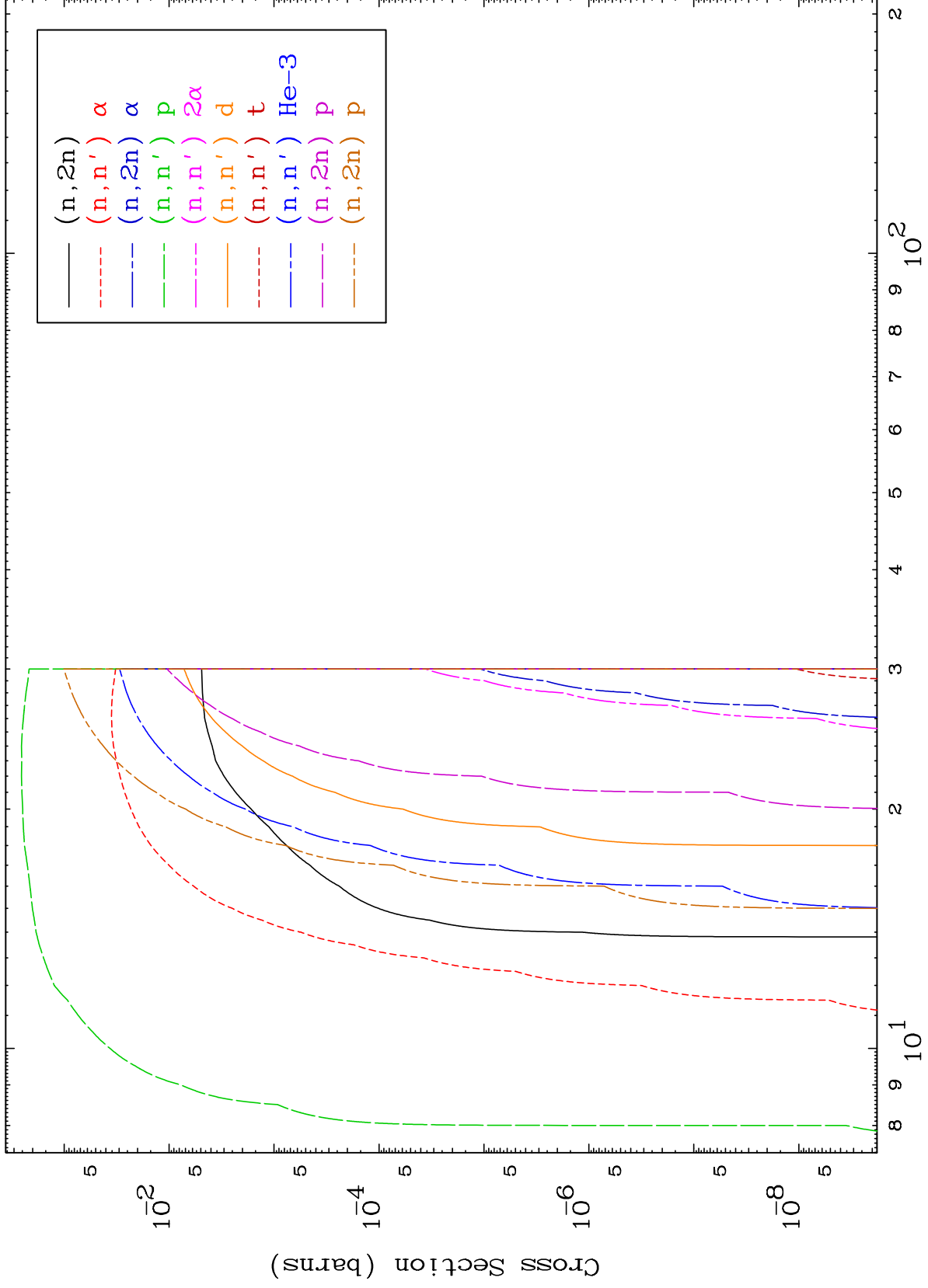
MAT 1422

Neutron Major
293 Kelvin Cross Sections

14-Si-27



Neutron Absorption
293 Kelvin Cross Sections

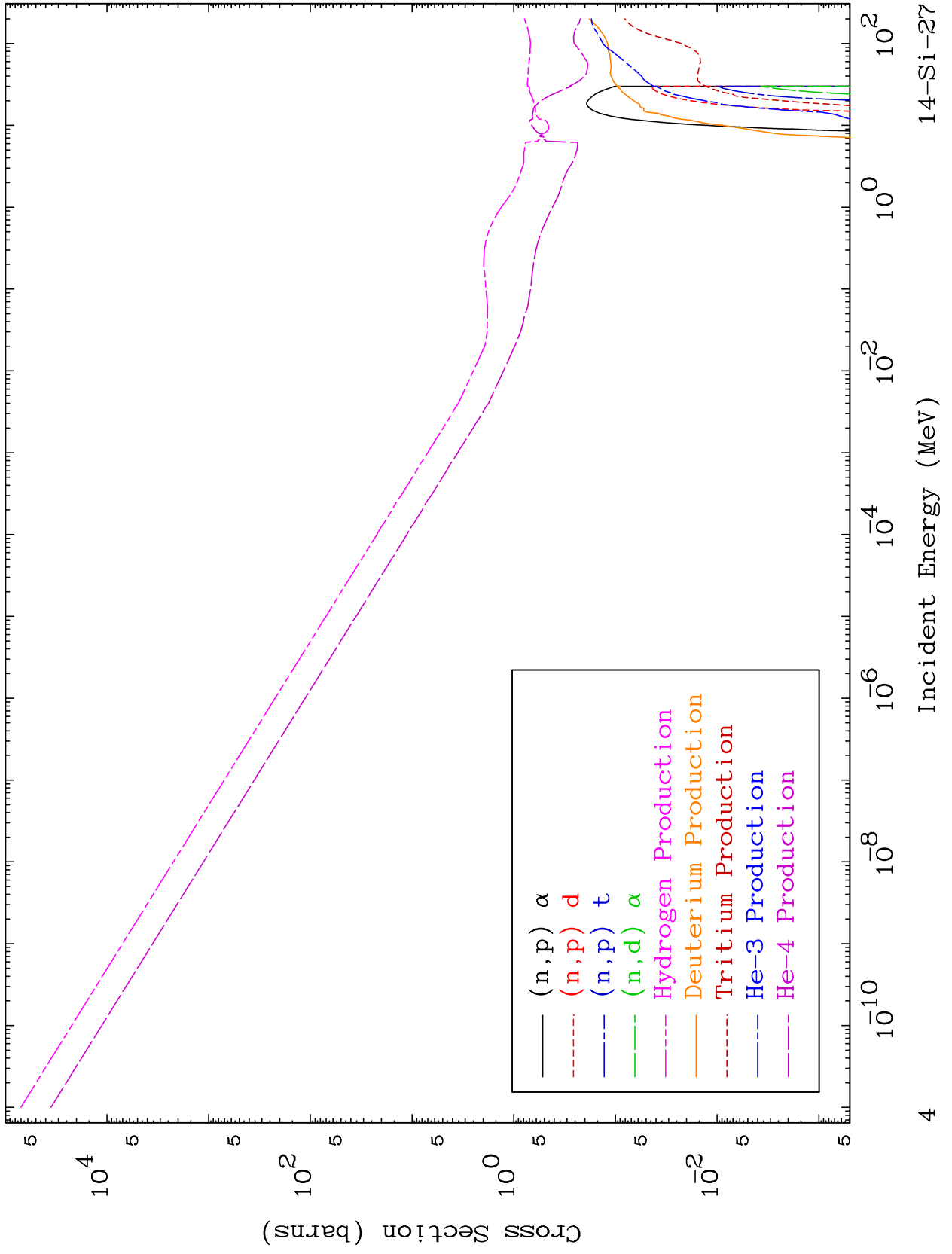


Incident Energy (MeV)

MAT 1422

Neutron Absorption
293 Kelvin Cross Sections

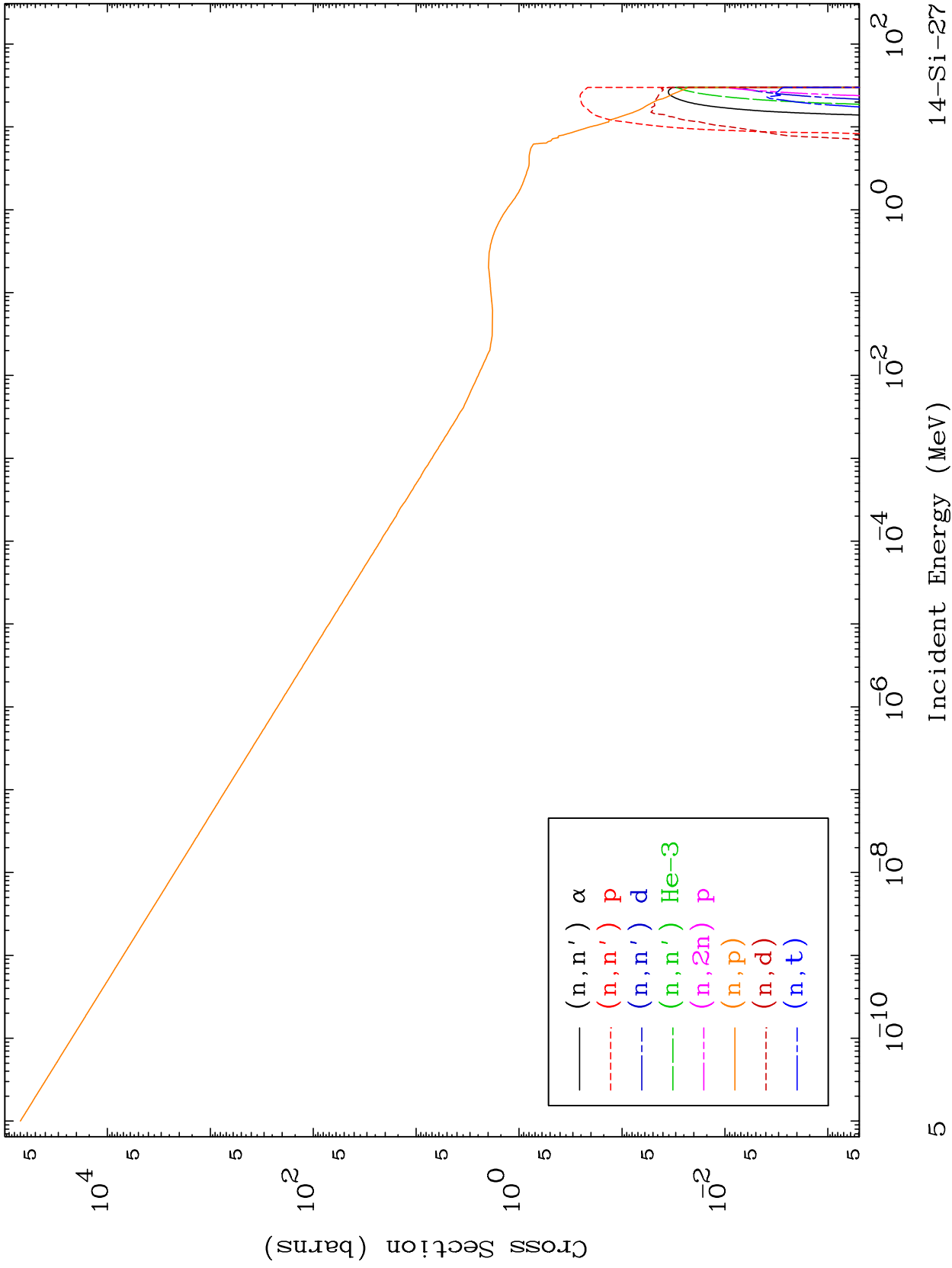
14-Si-27



MAT 1422

Charged Particle
293 Kelvin Cross Sections

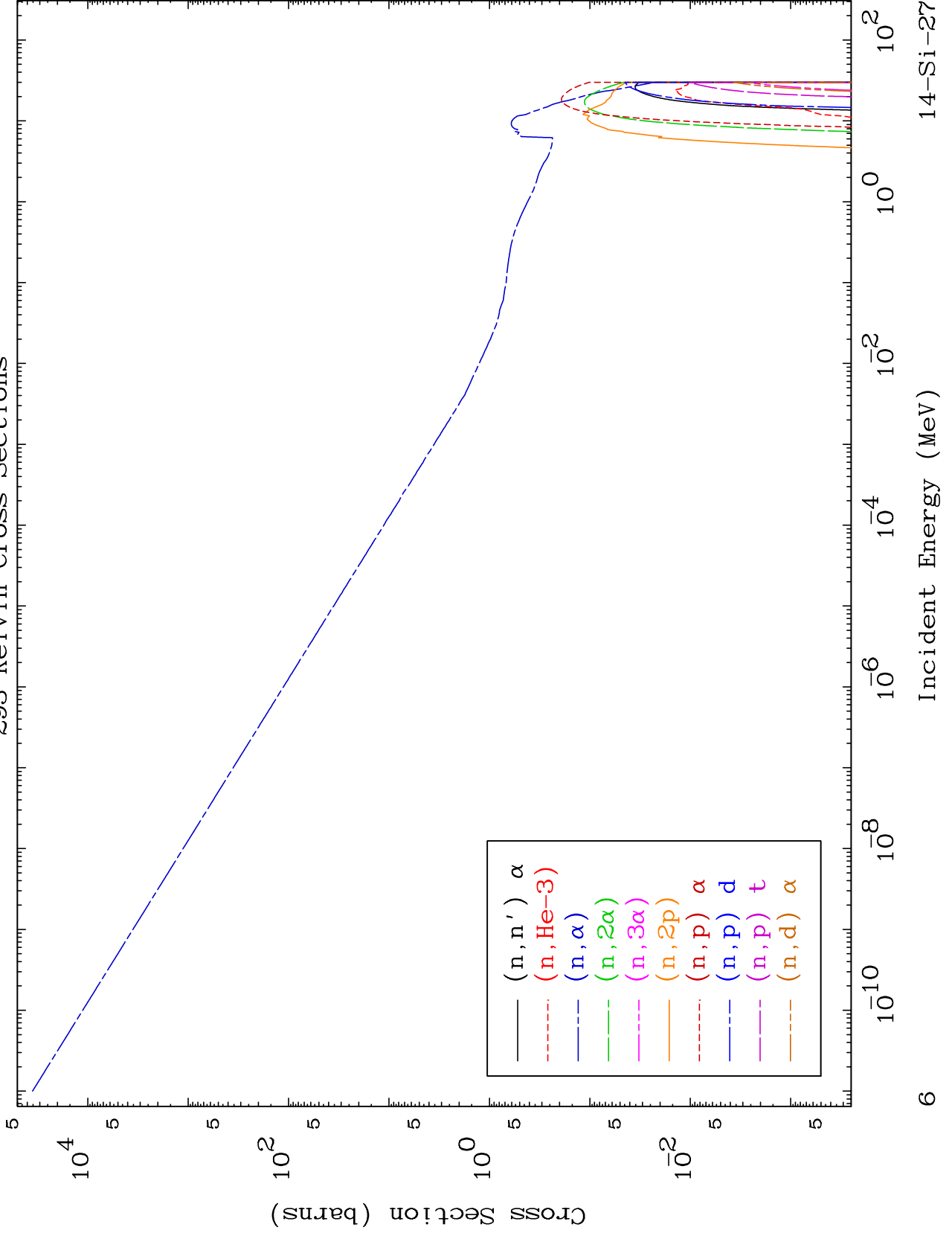
14-Si-27

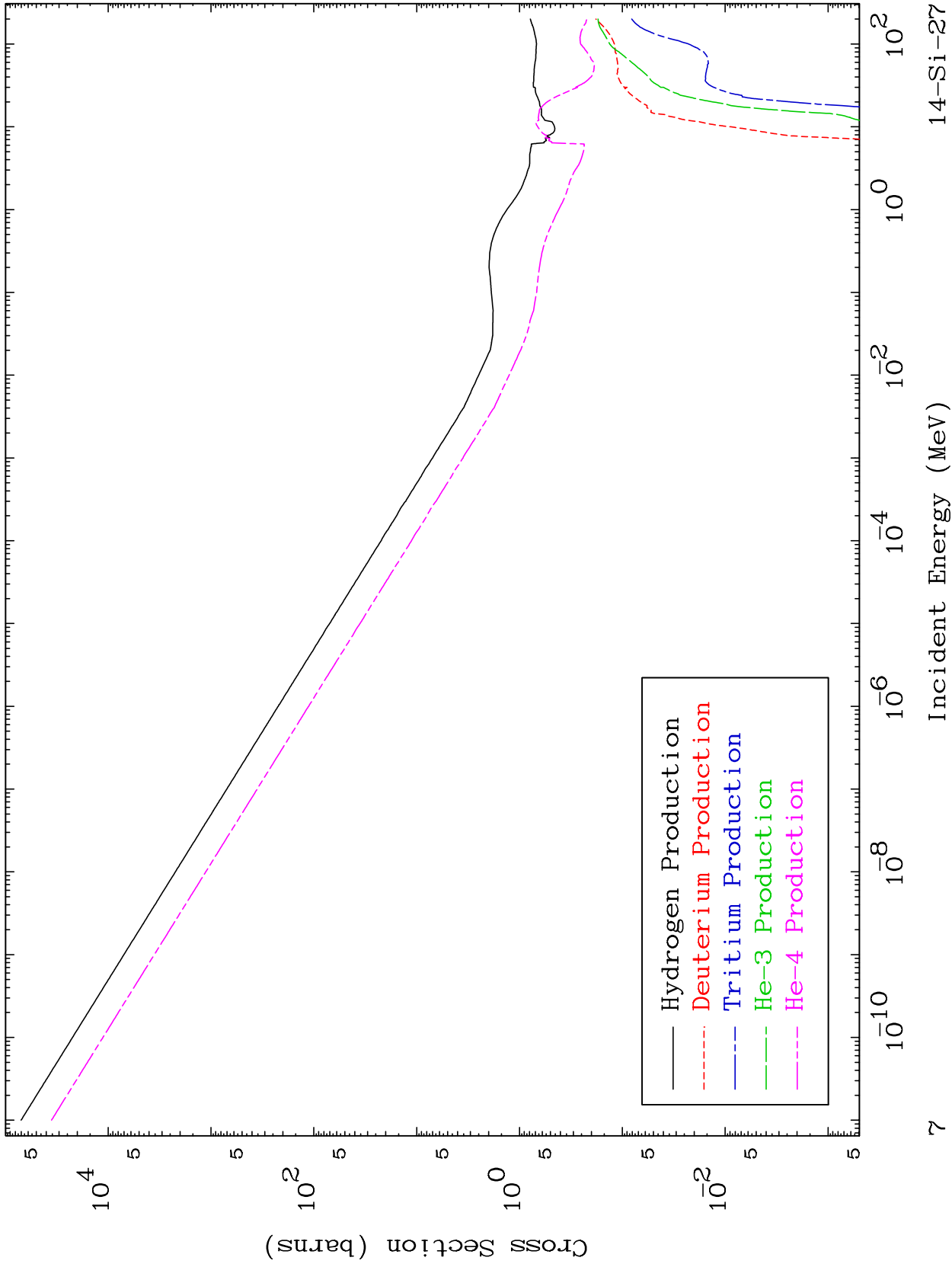


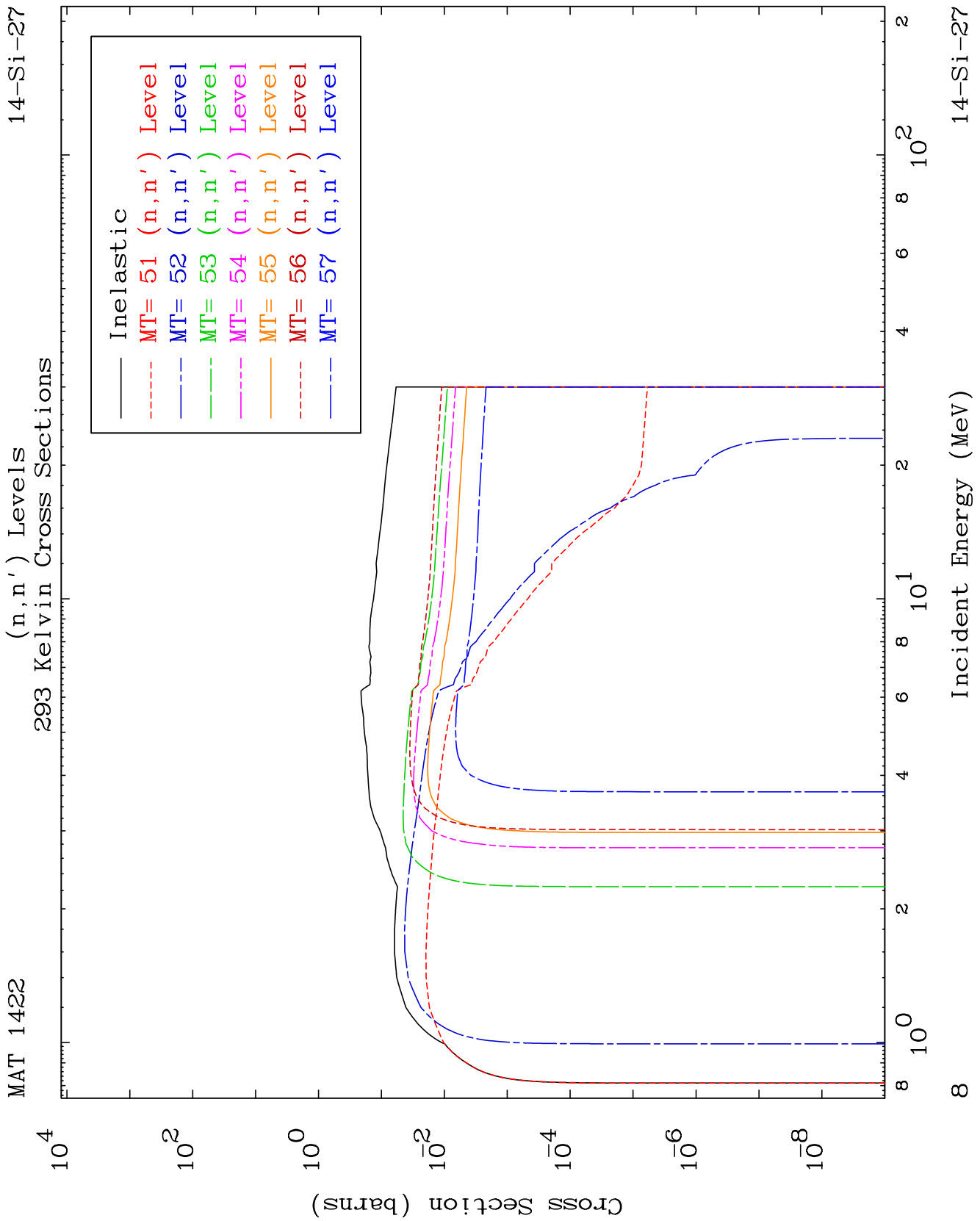
MAT 1422

Charged Particle
293 Kelvin Cross Sections

14-Si-27





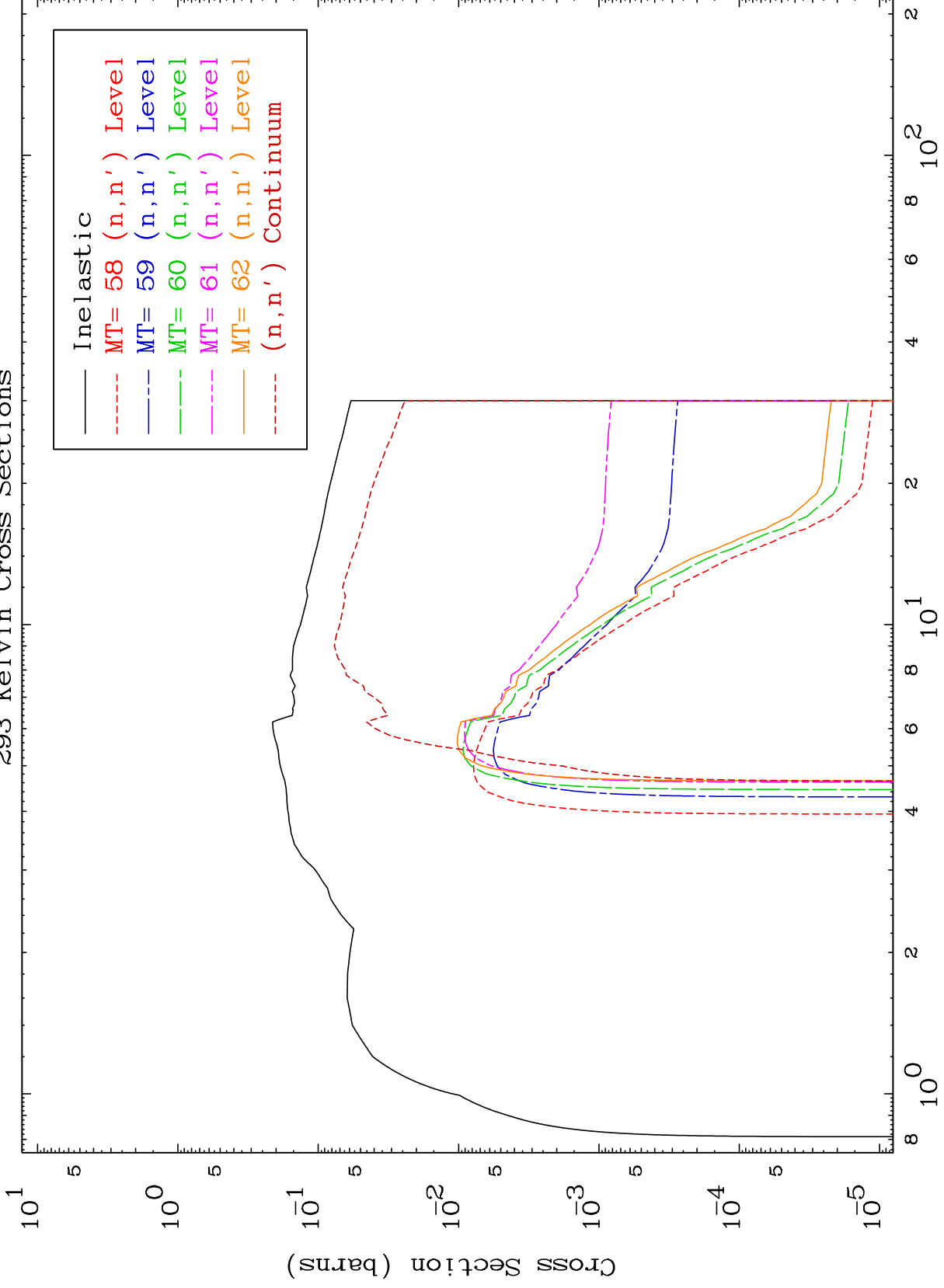


MAT 1422

(n,n') Levels

293 Kelvin Cross Sections

14-Si-27



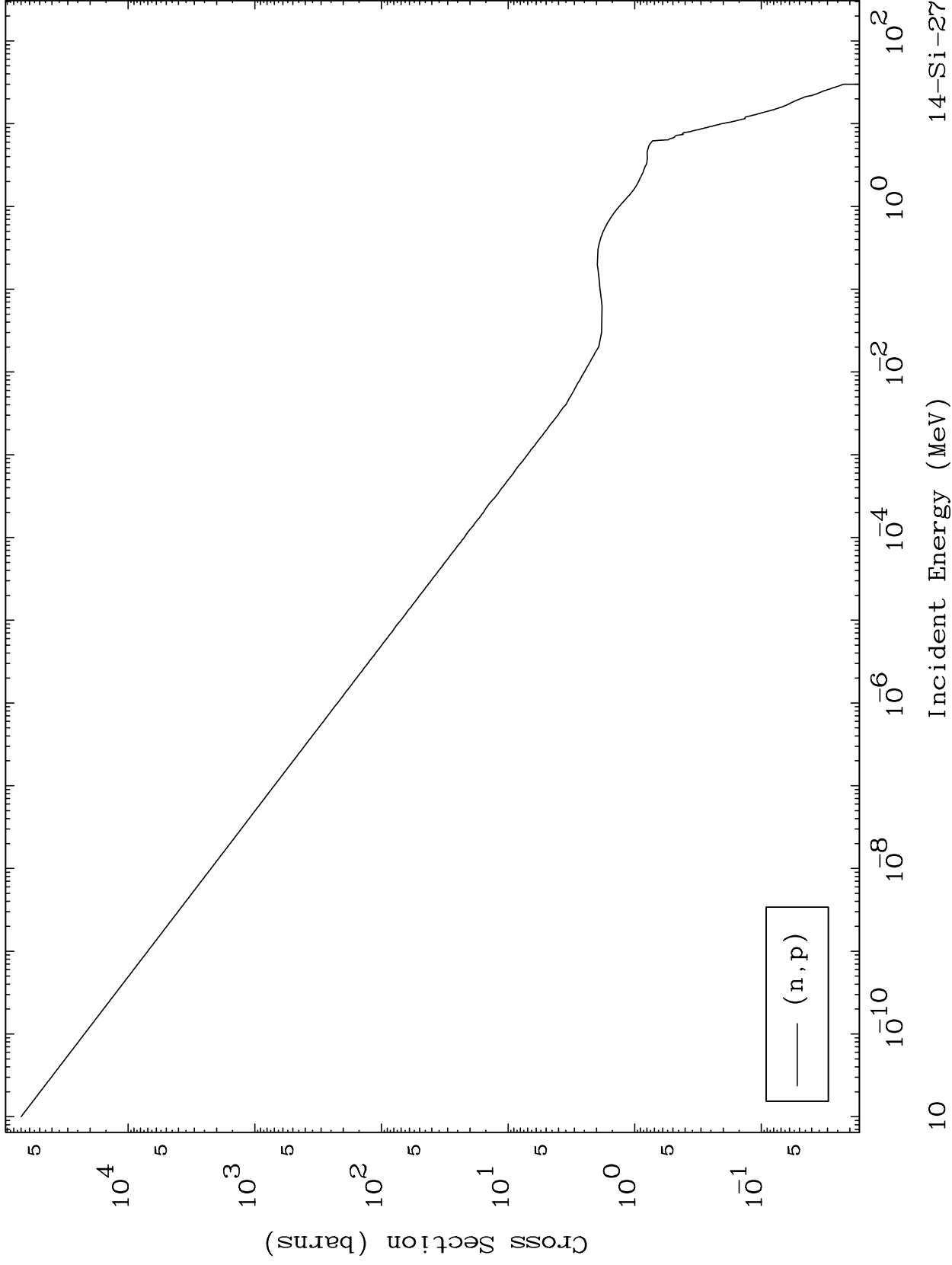
Incident Energy (MeV)

14-Si-27

MAT 1422

(n,p) Levels
293 Kelvin Cross Sections

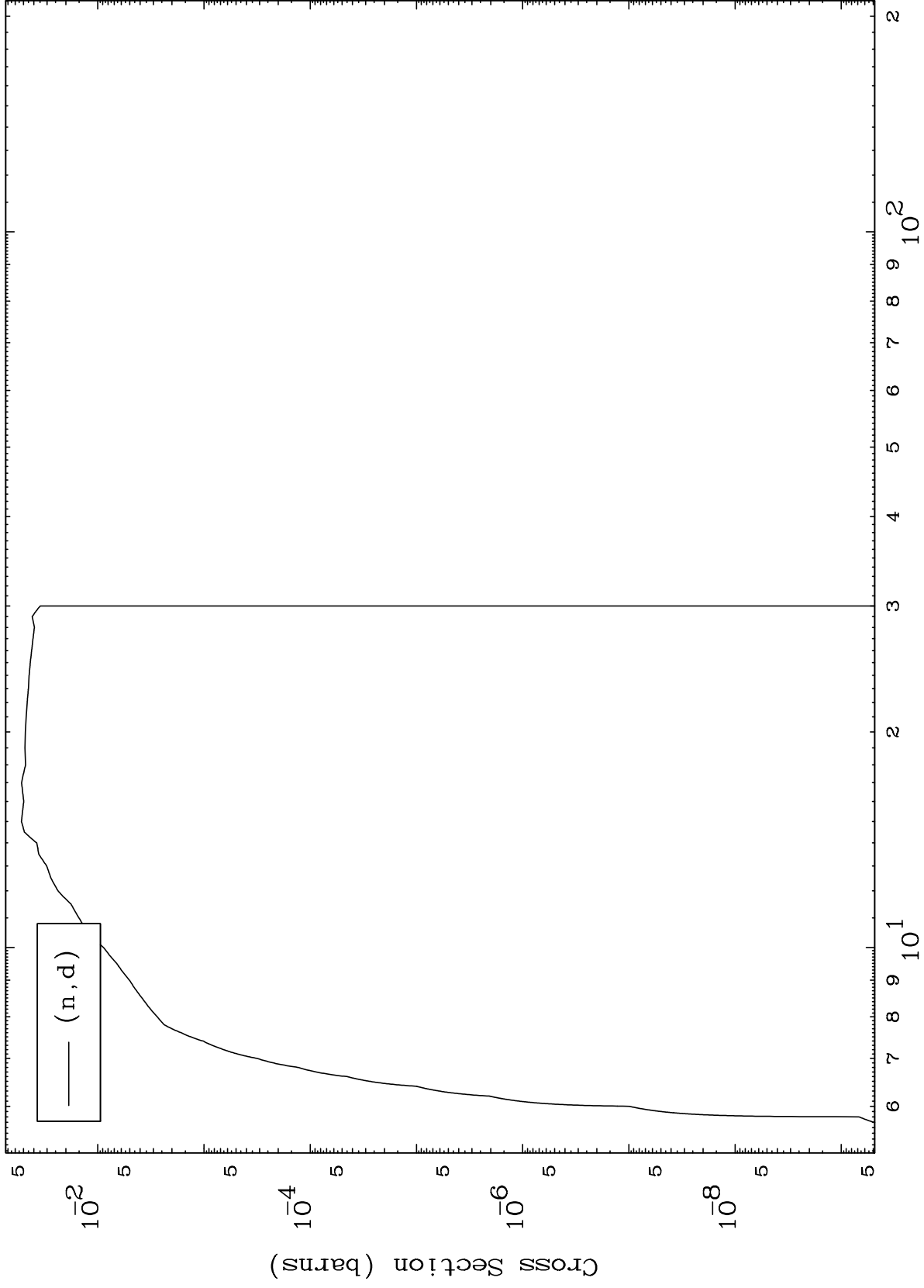
14-Si-27



MAT 1422

(n,d) Levels
293 Kelvin Cross Sections

14-Si-27



11

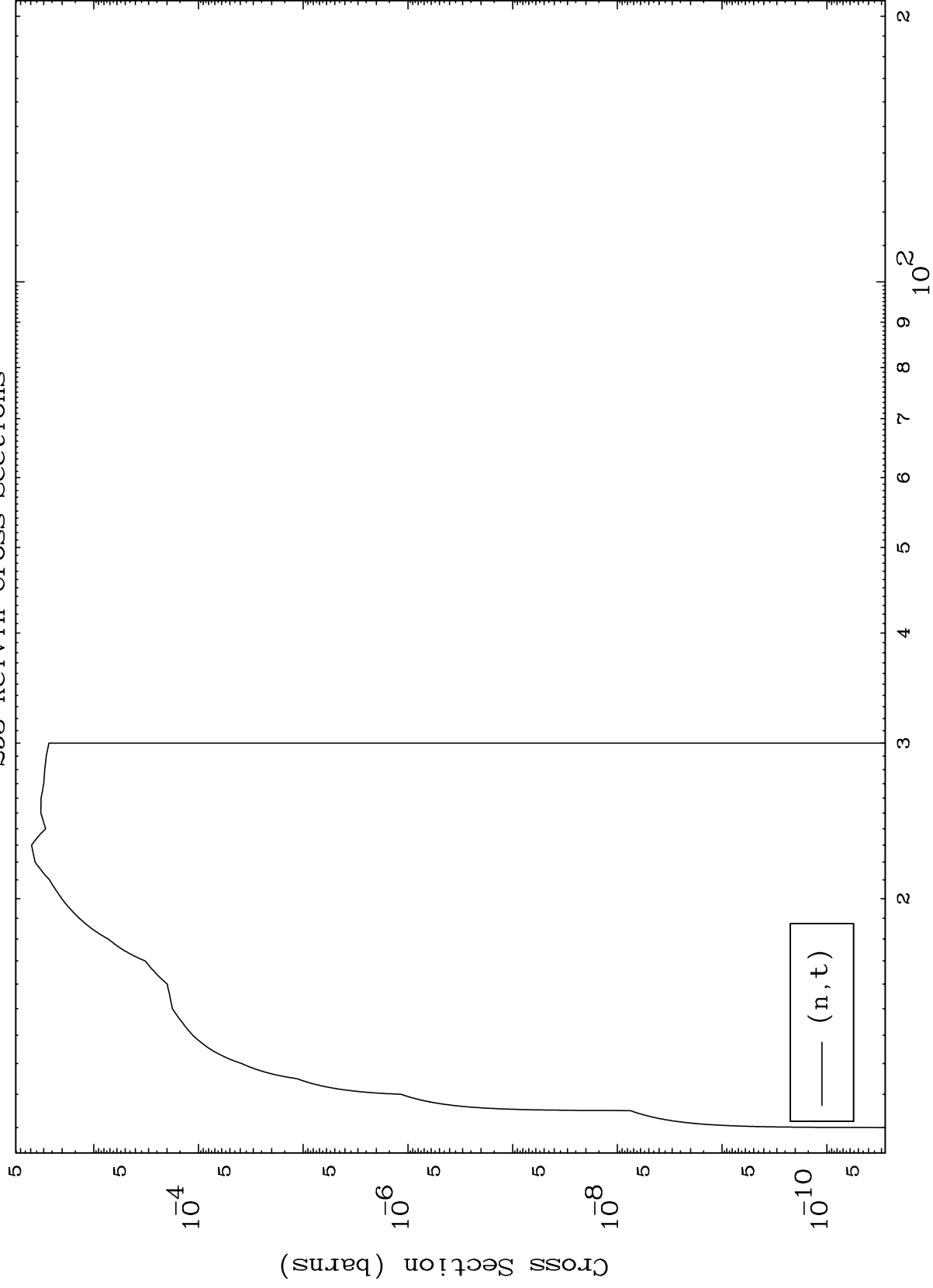
Incident Energy (MeV)

14-Si-27

MAT 1422

(n,t) Levels
293 Kelvin Cross Sections

14-Si-27



12

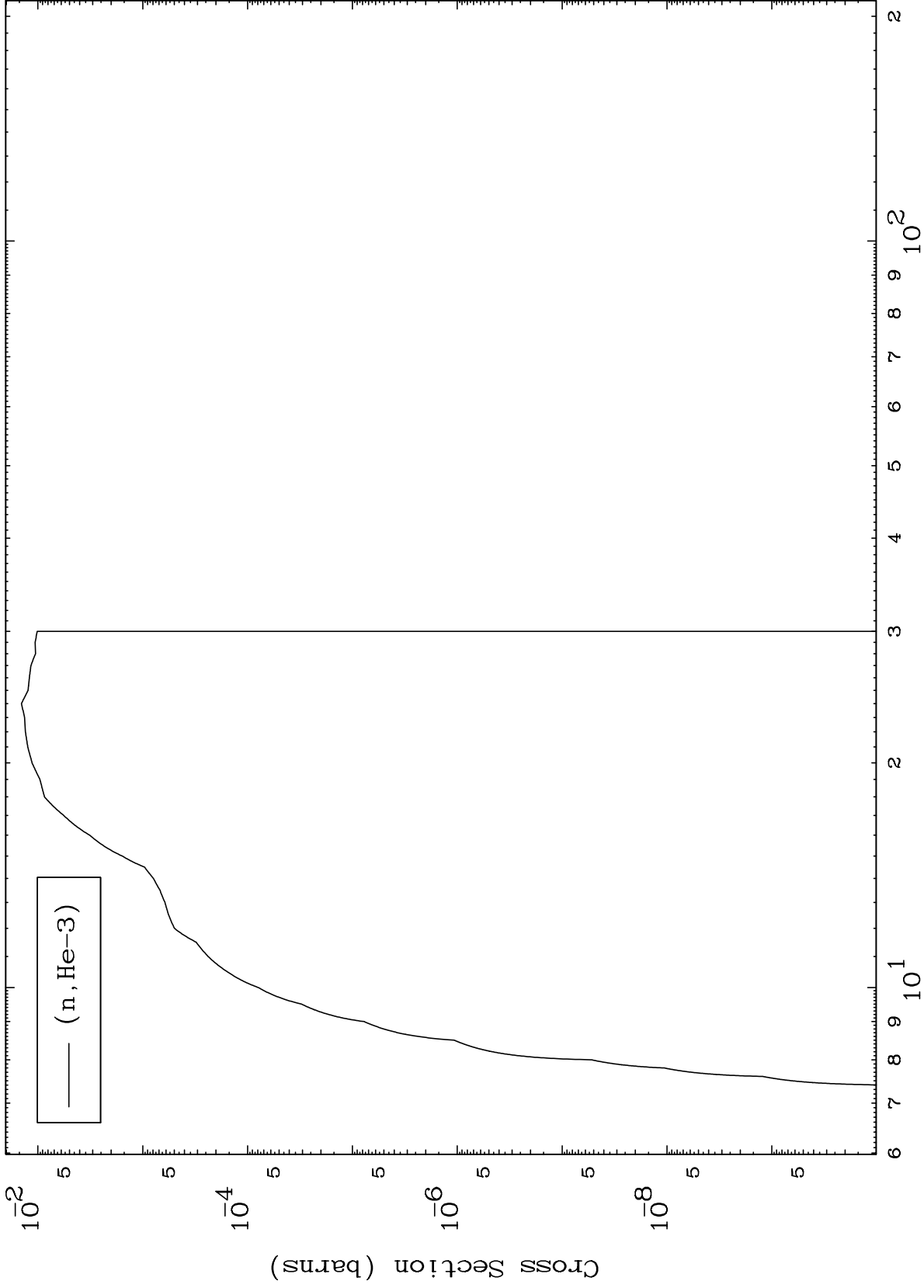
Incident Energy (MeV)

14-Si-27

MAT 1422

(n,He3) Levels
293 Kelvin Cross Sections

14-Si-27



13

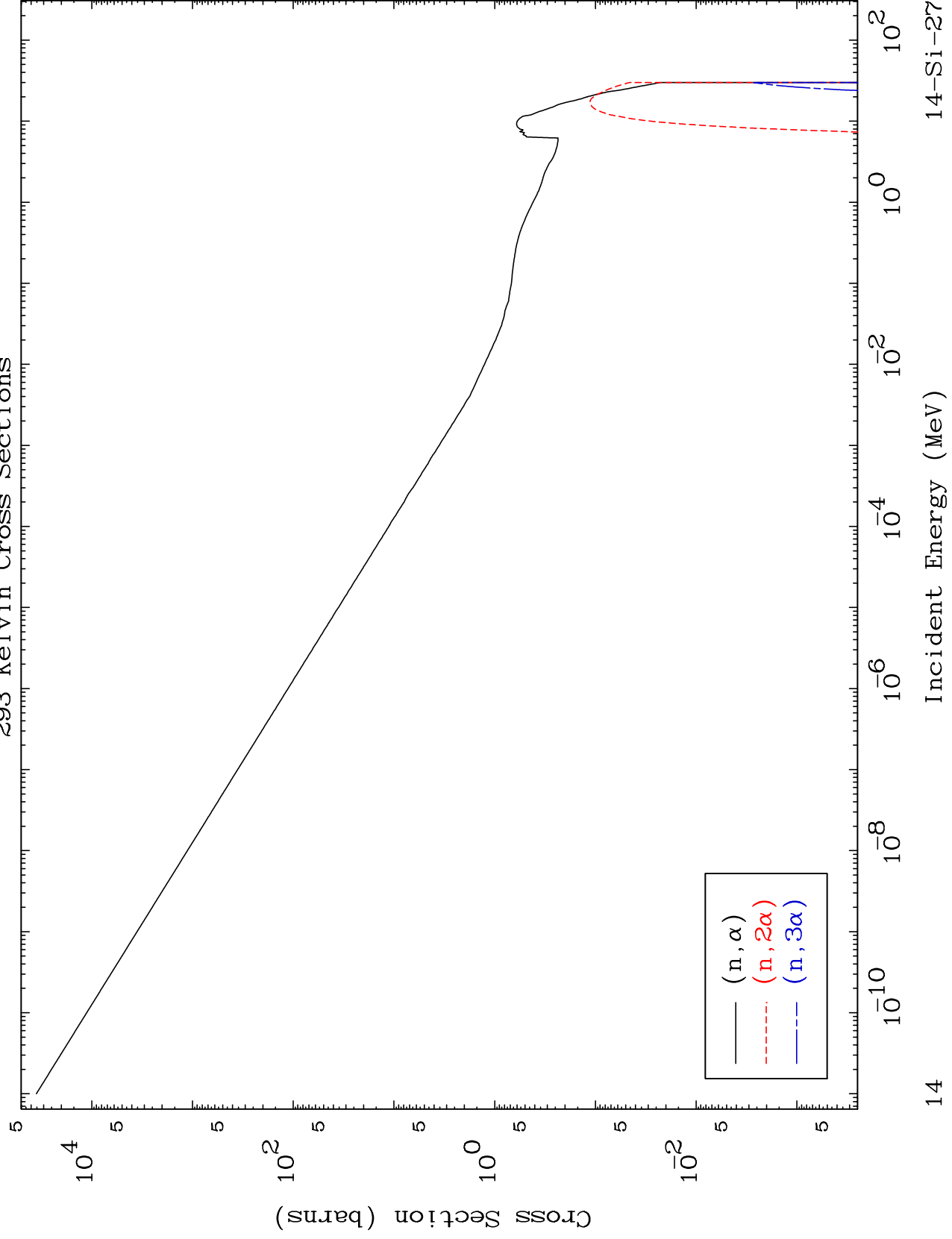
Incident Energy (MeV)

14-Si-27

MAT 1422

(n,α) Levels
293 Kelvin Cross Sections

14-Si-27

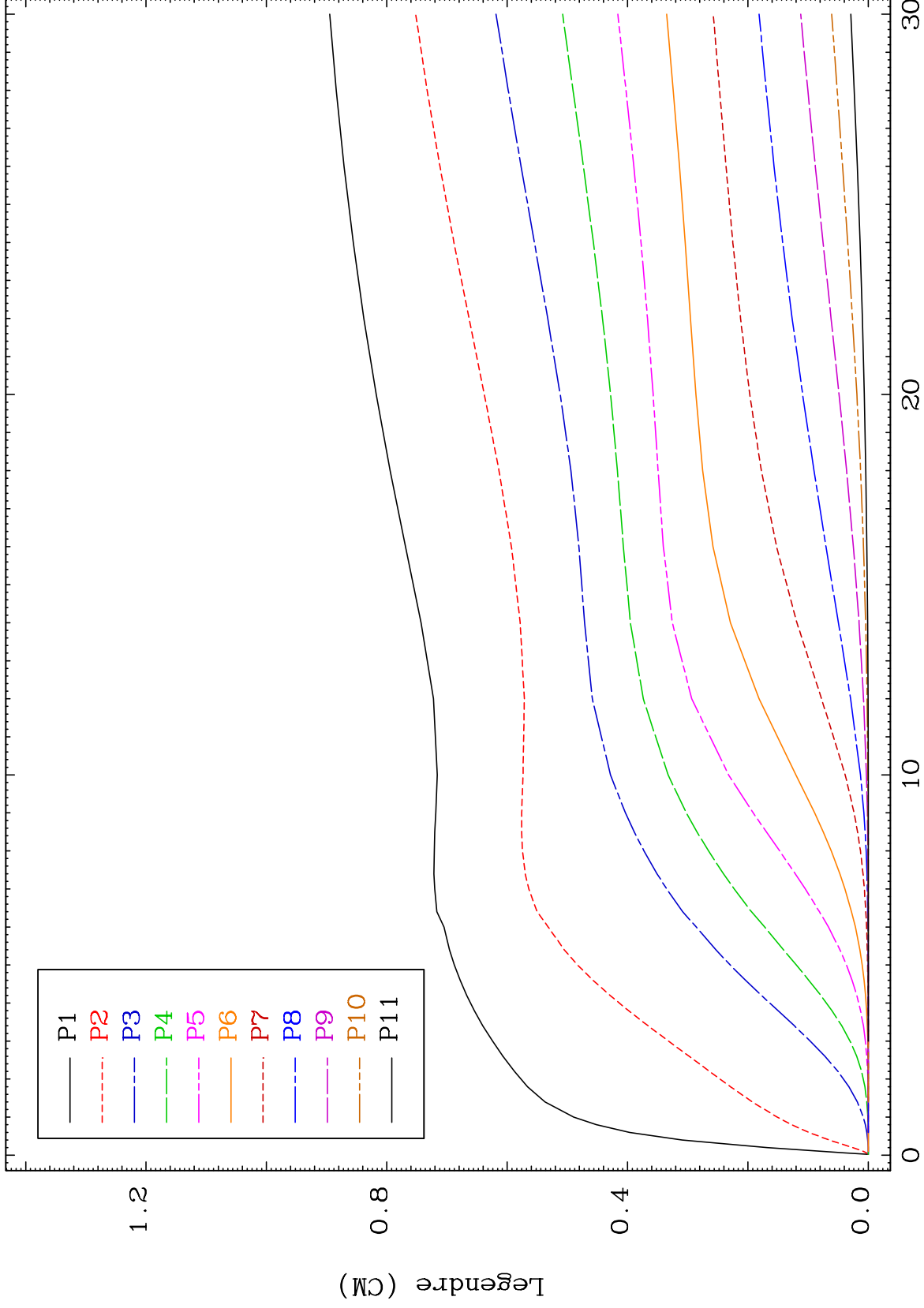


14

MAT 1422

Elastic Legendre Coefficients

14-Si-27



15

Incident Energy (MeV)

14-Si-27

20

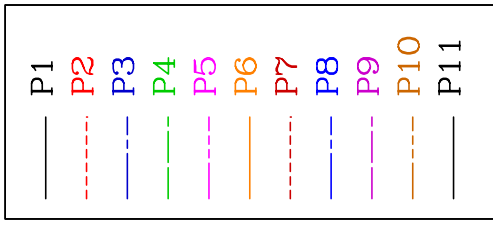
10

0.0

0.4

0.8

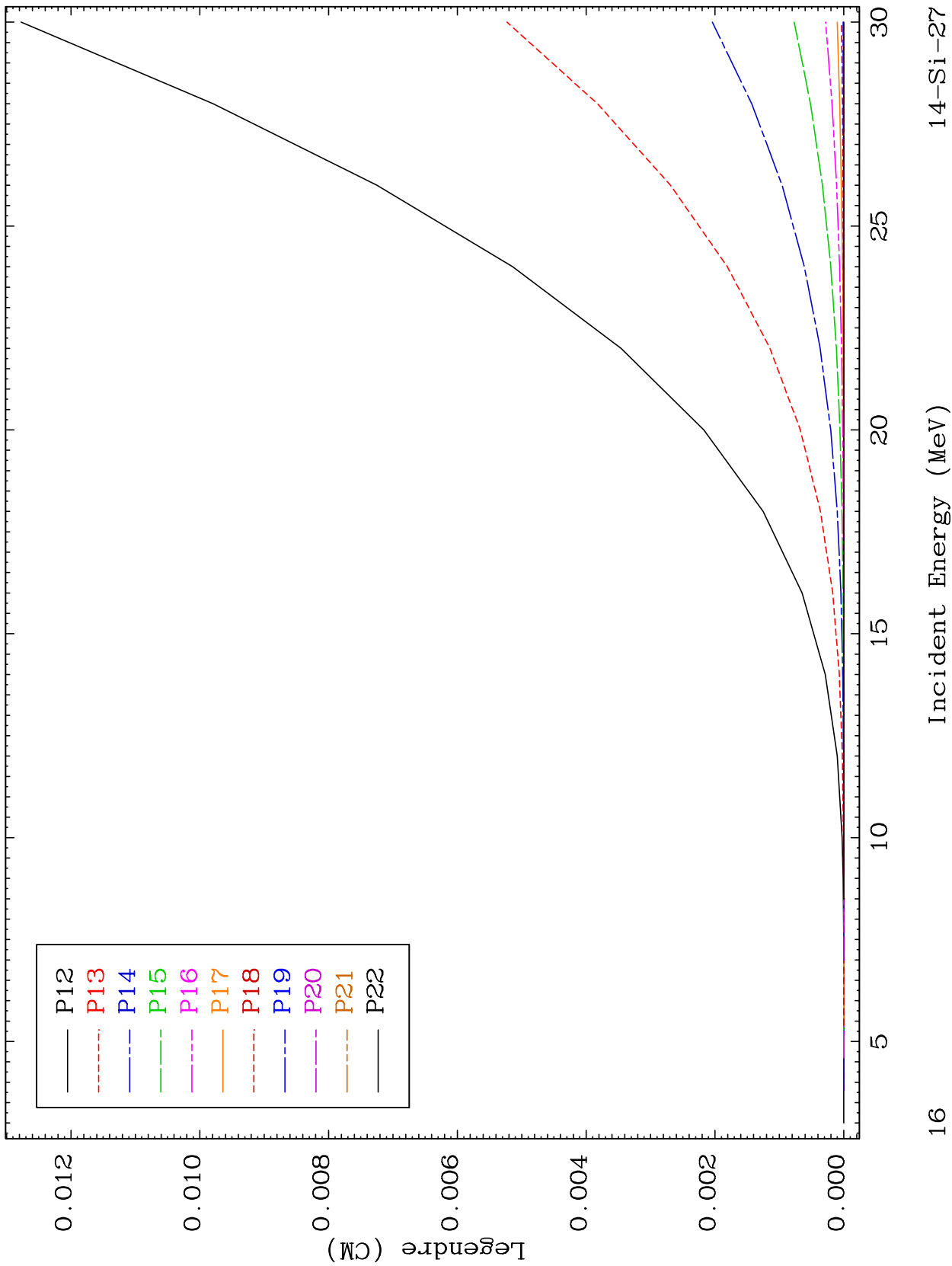
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MAT 1422

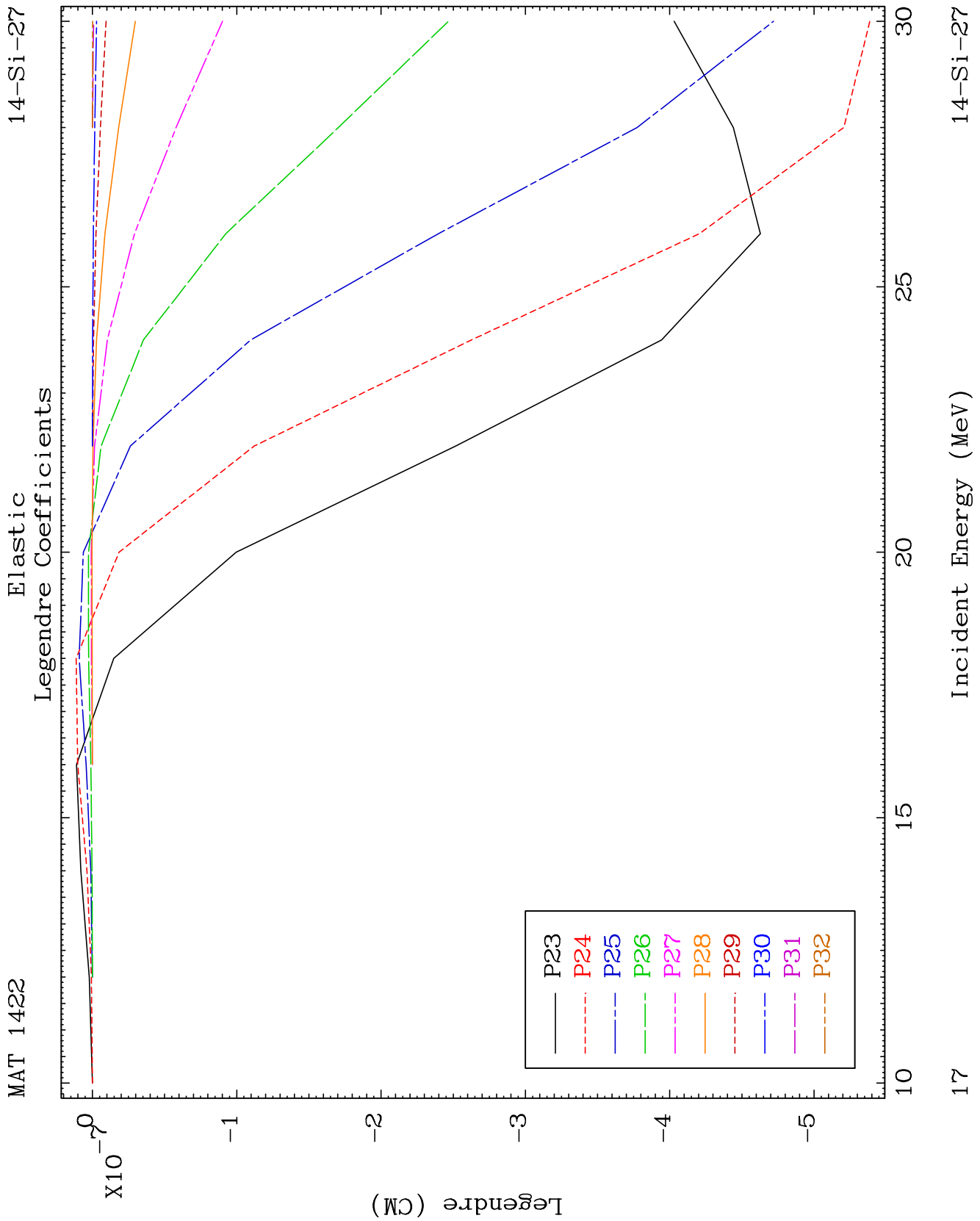
Elastic Legendre Coefficients

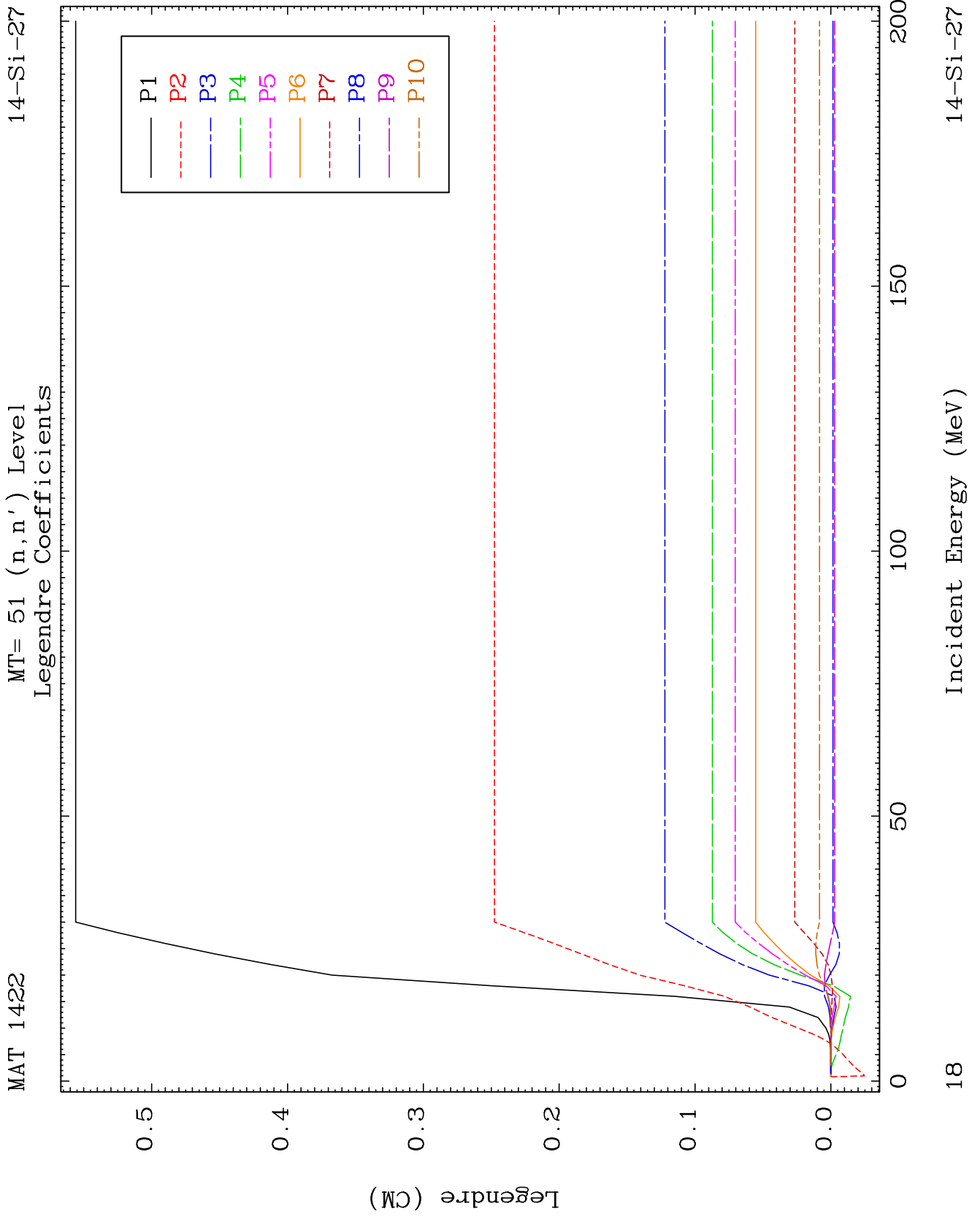
¹⁴Si-27



16

¹⁴Si-27

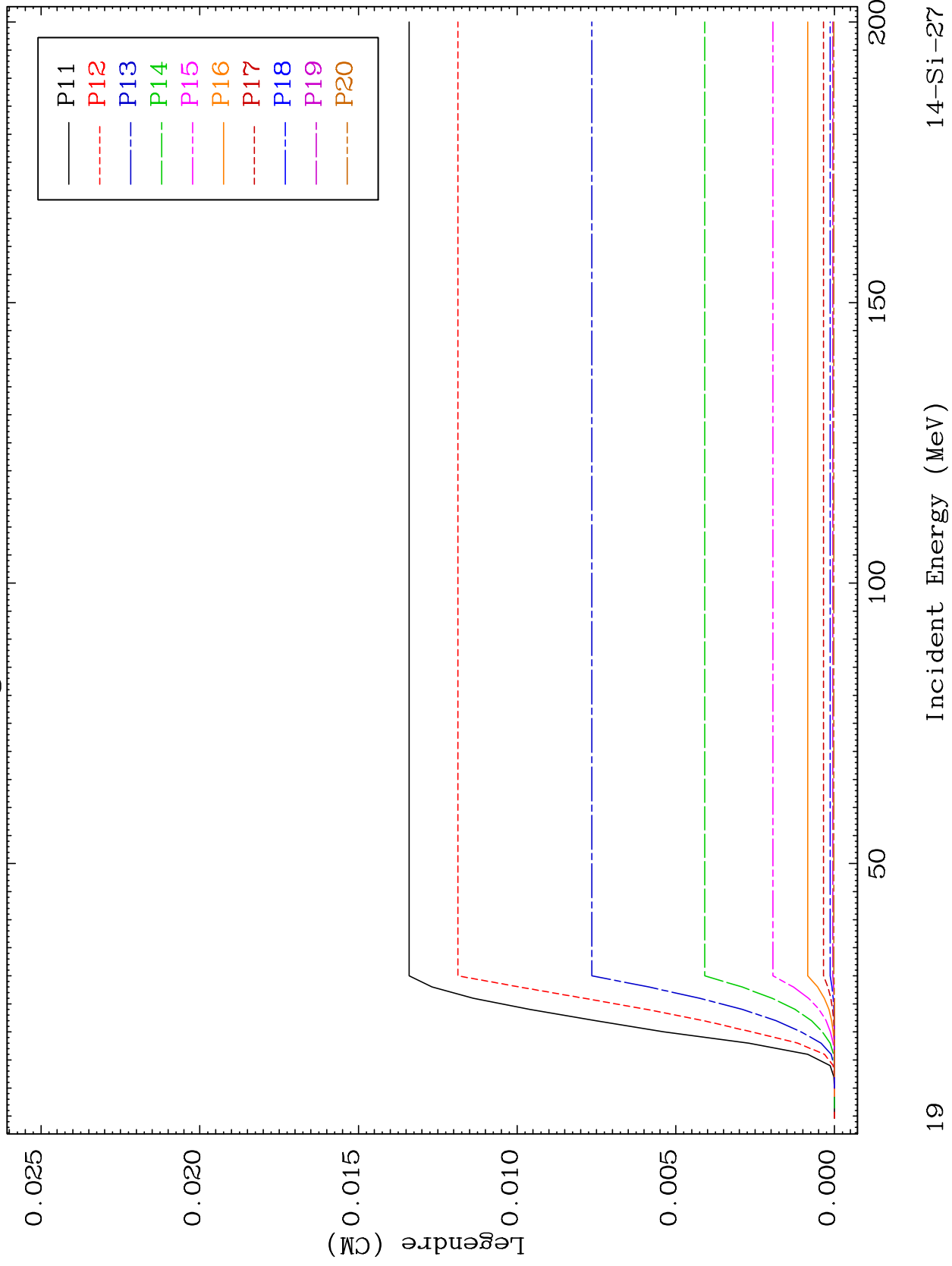




MAT 1422

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

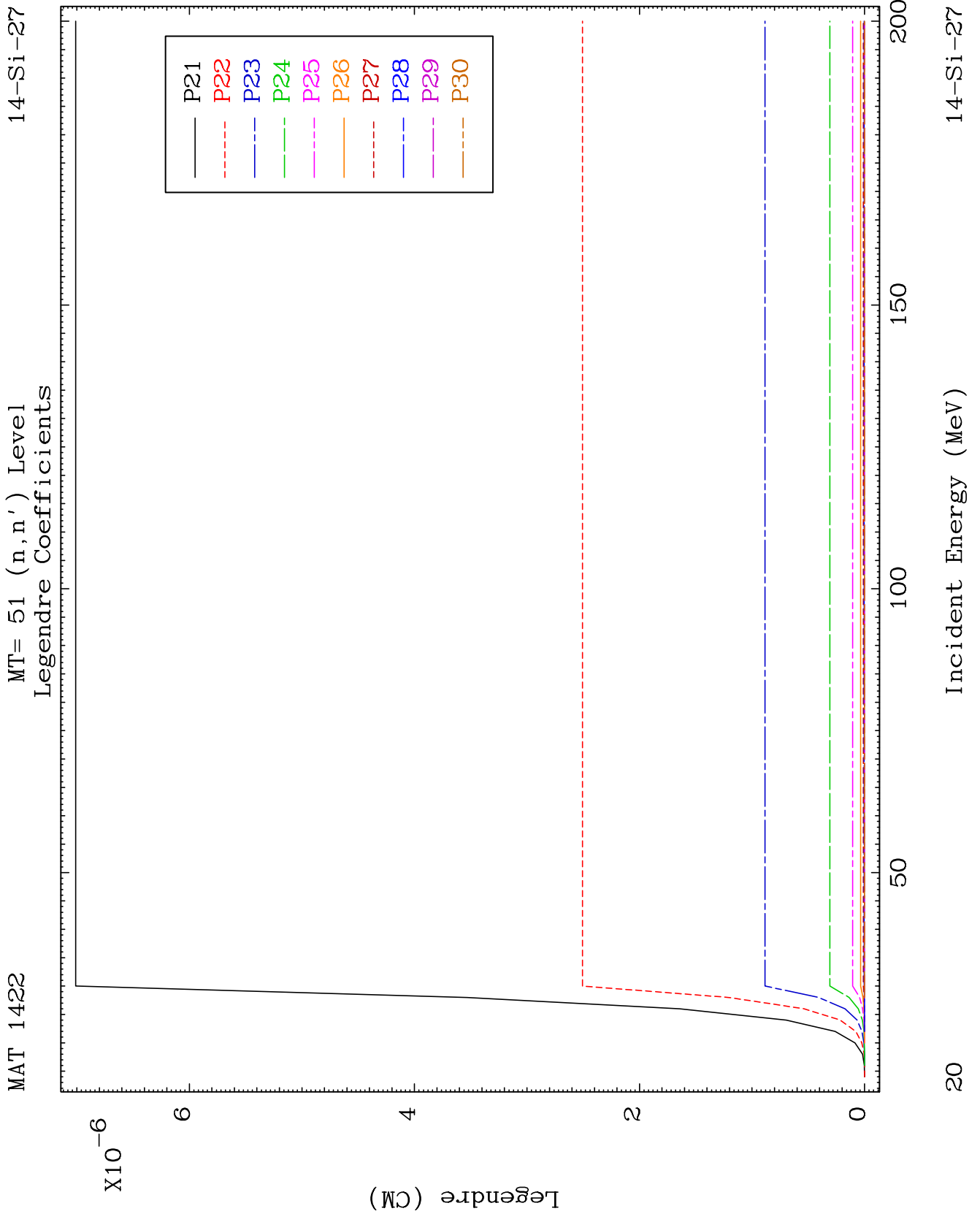
14-Si-27

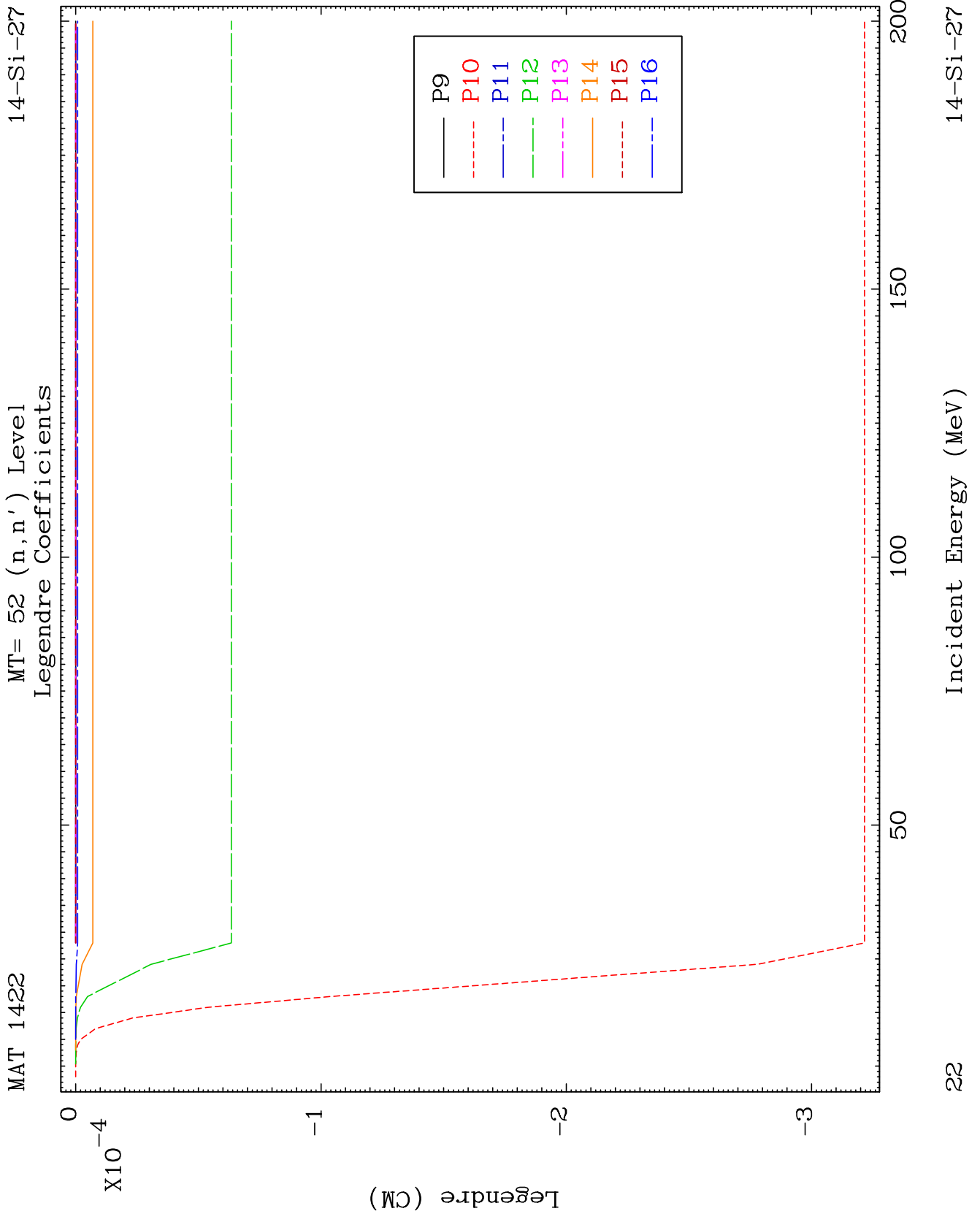


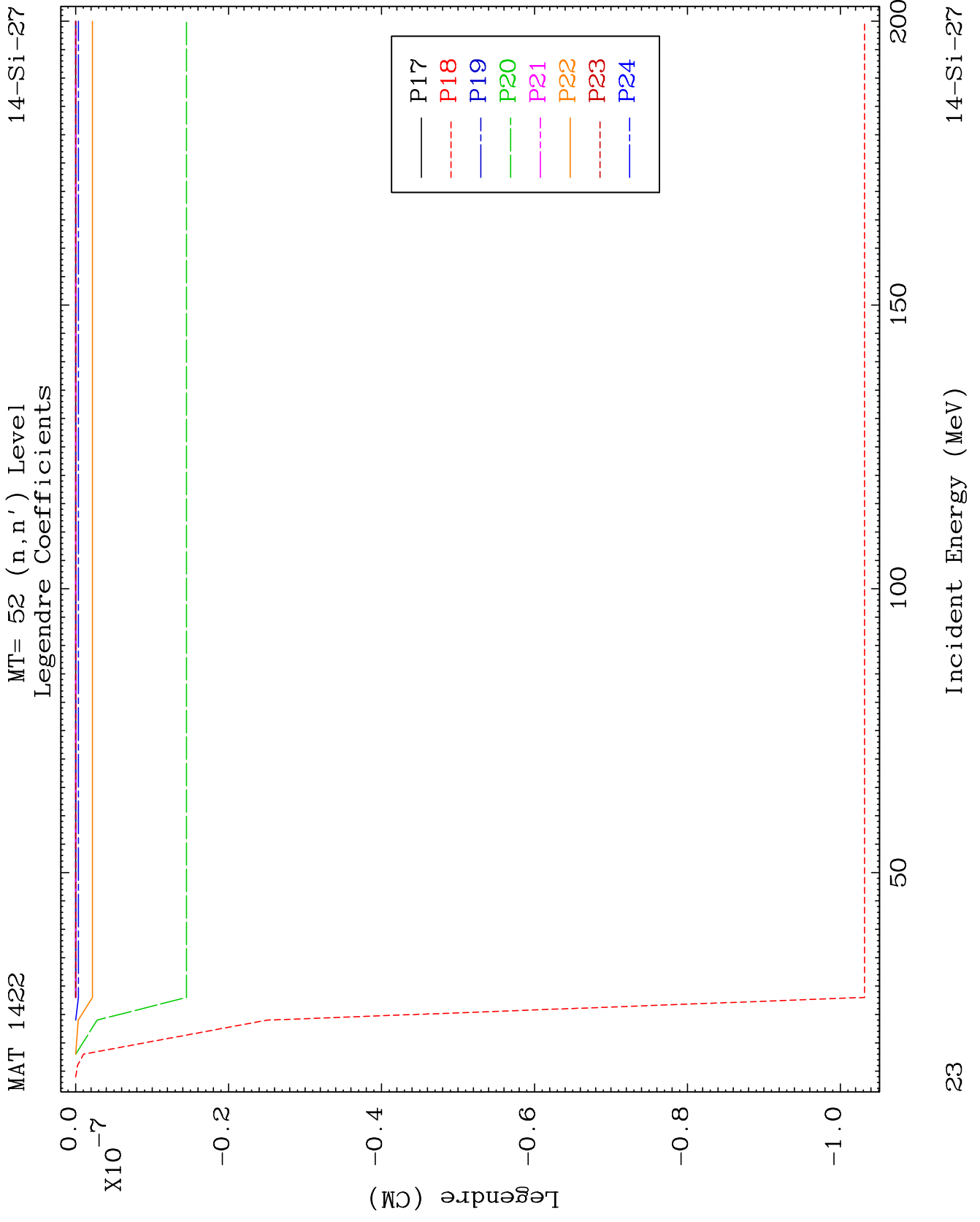
19

Incident Energy (MeV)

14-Si-27



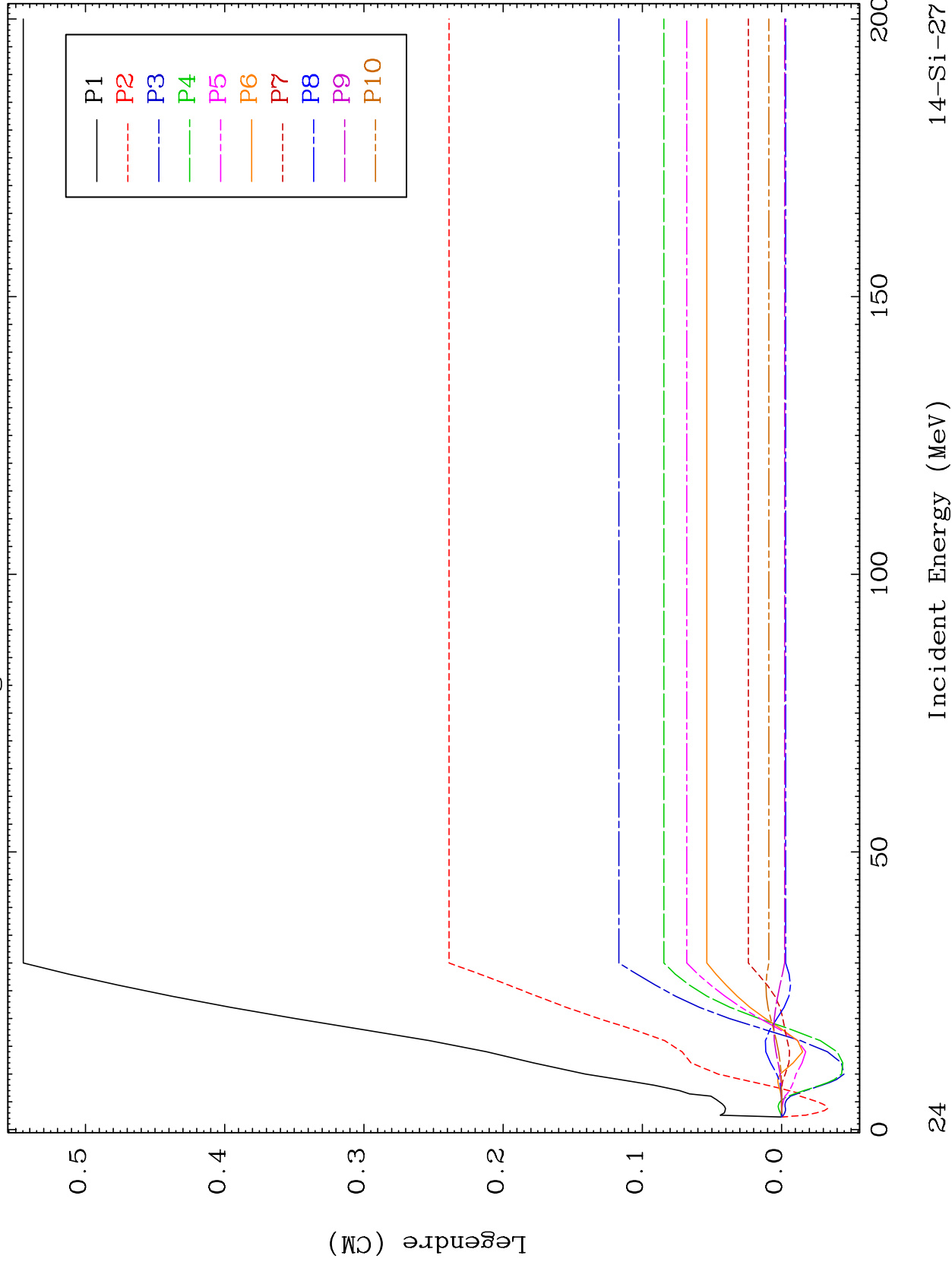




MAT 1422

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

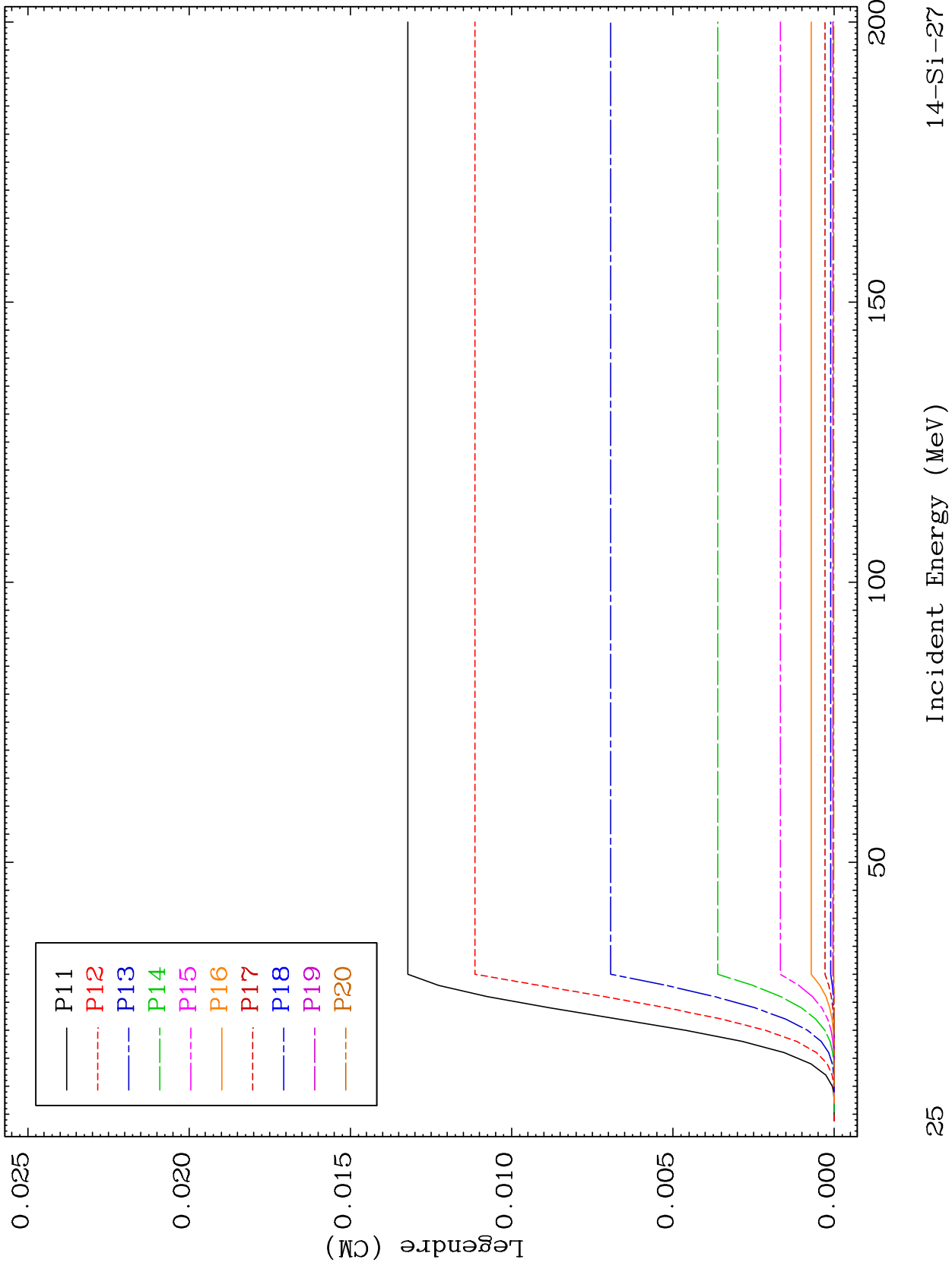
¹⁴Si-27



MAT 1422

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

14-Si-27



14-Si-27

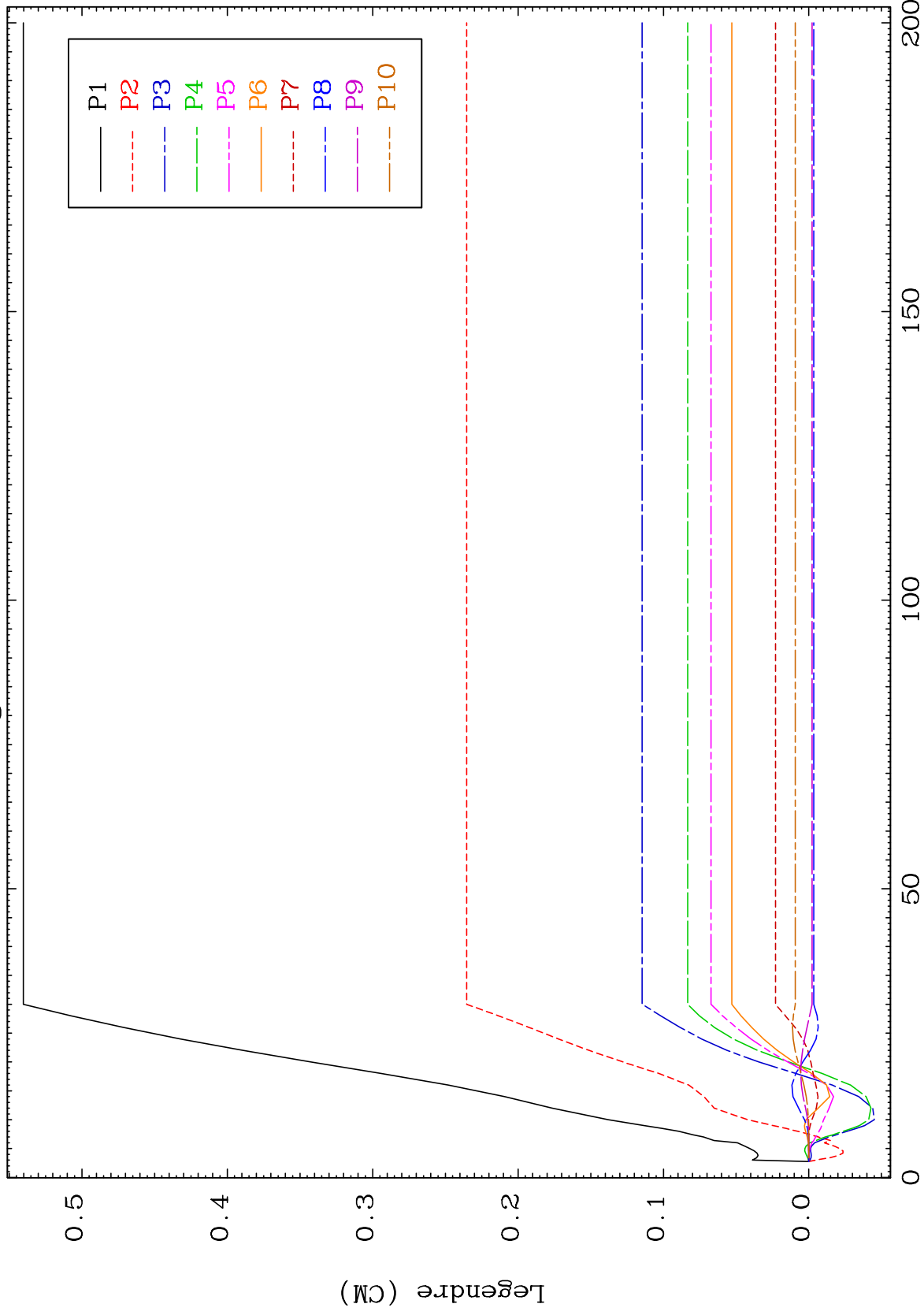
Incident Energy (MeV)

25

MAT 1422

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

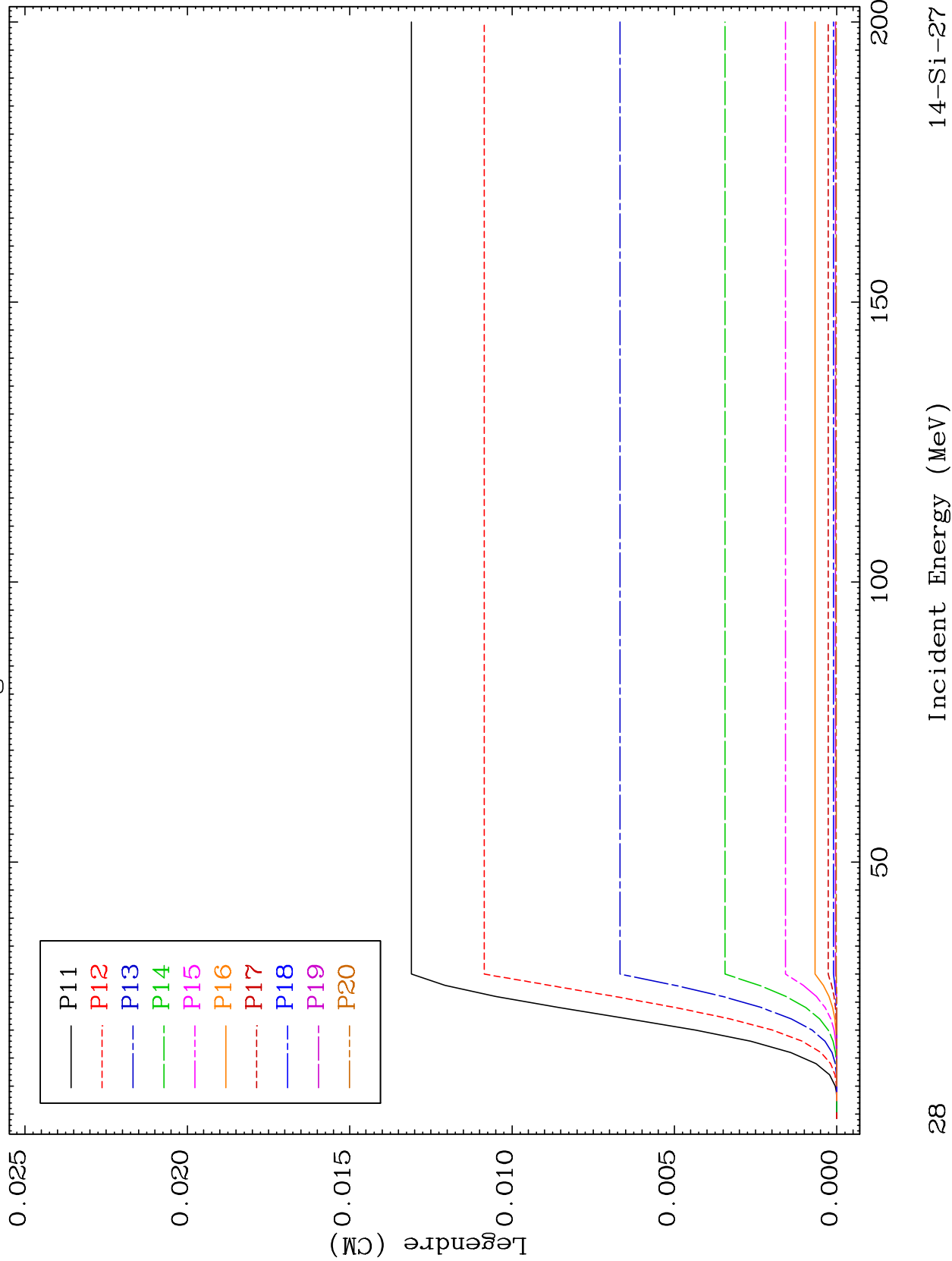
14-Si-27

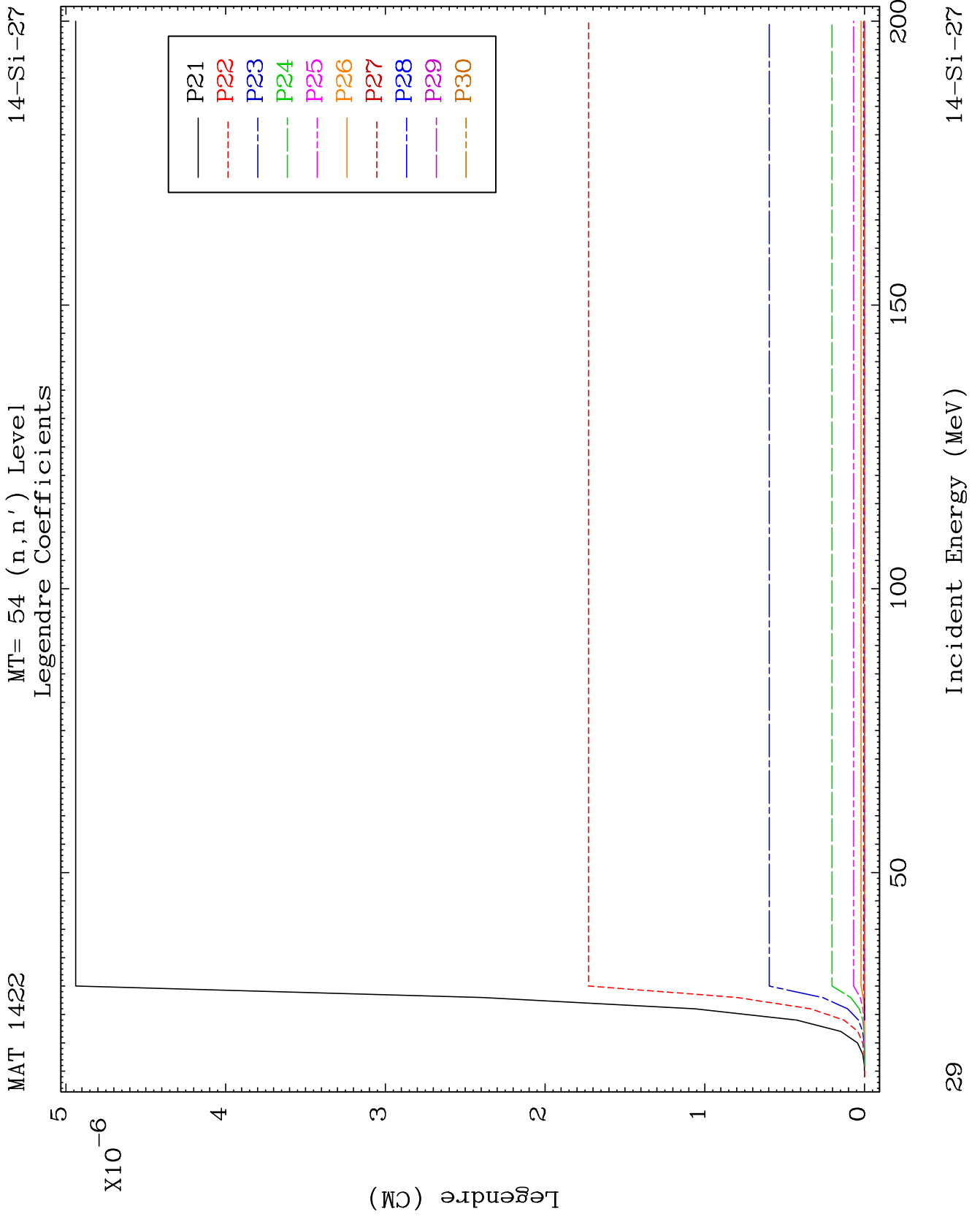


27

Incident Energy (MeV)

14-Si-27

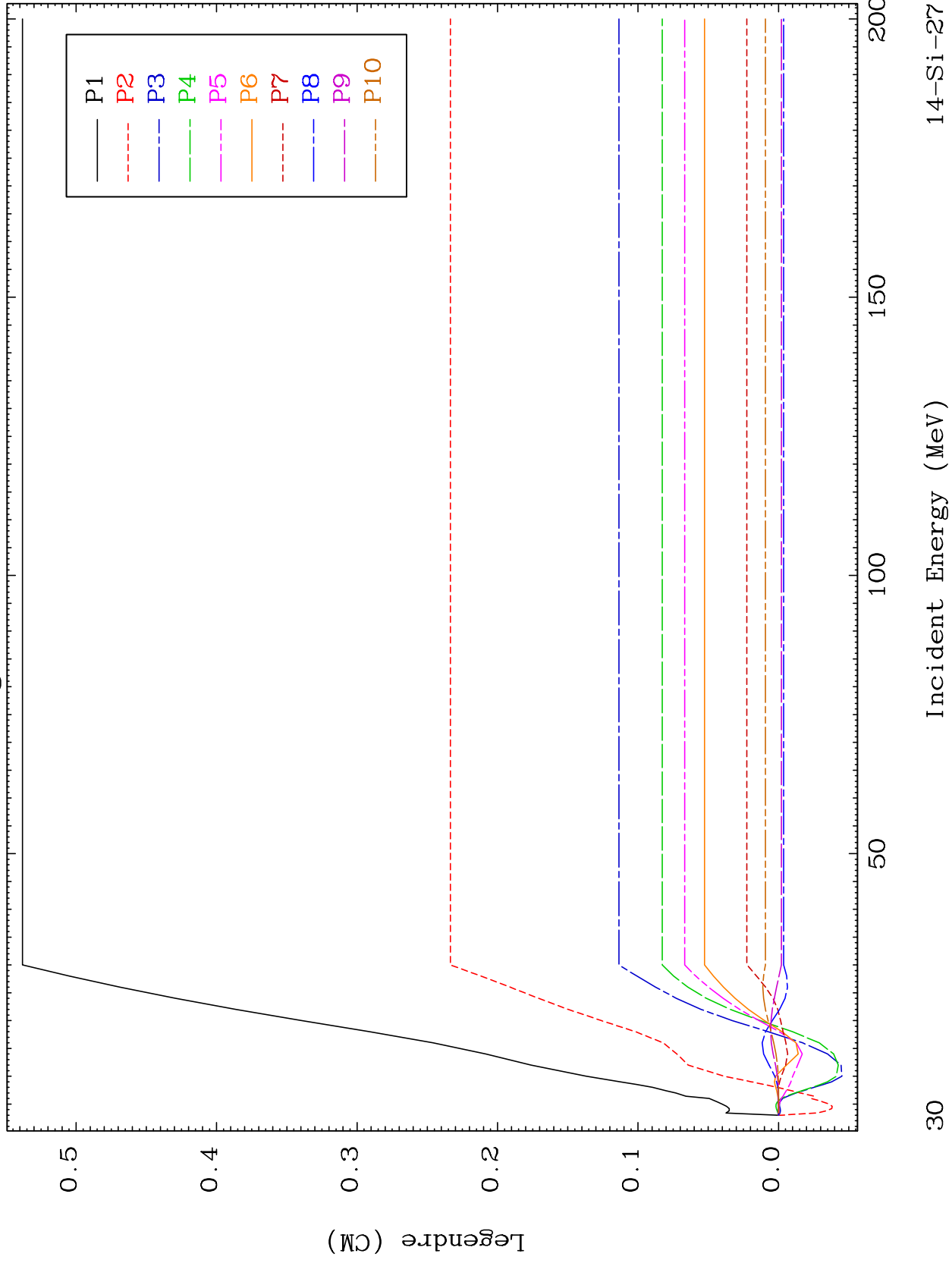


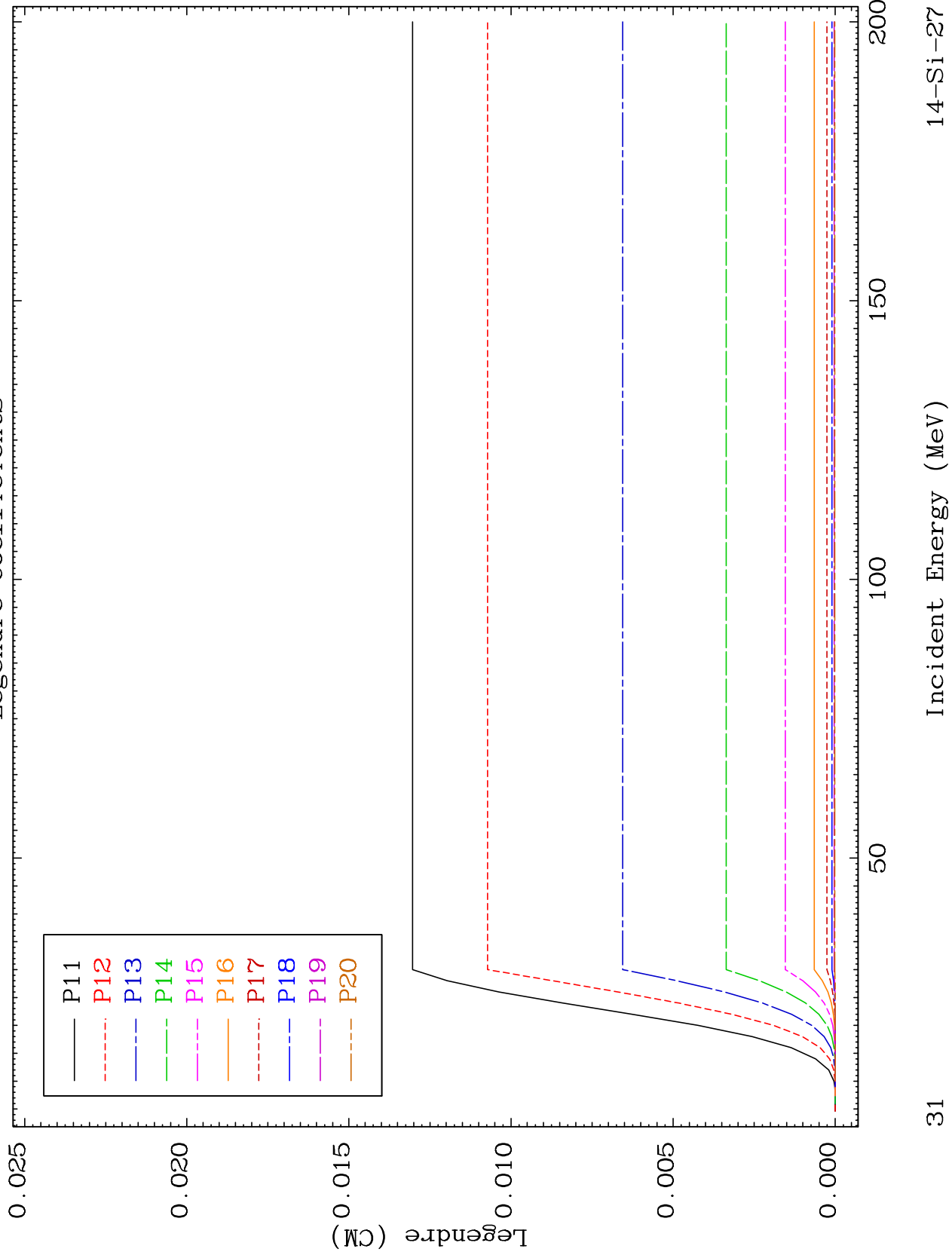


MAT 1422

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

14-Si-27

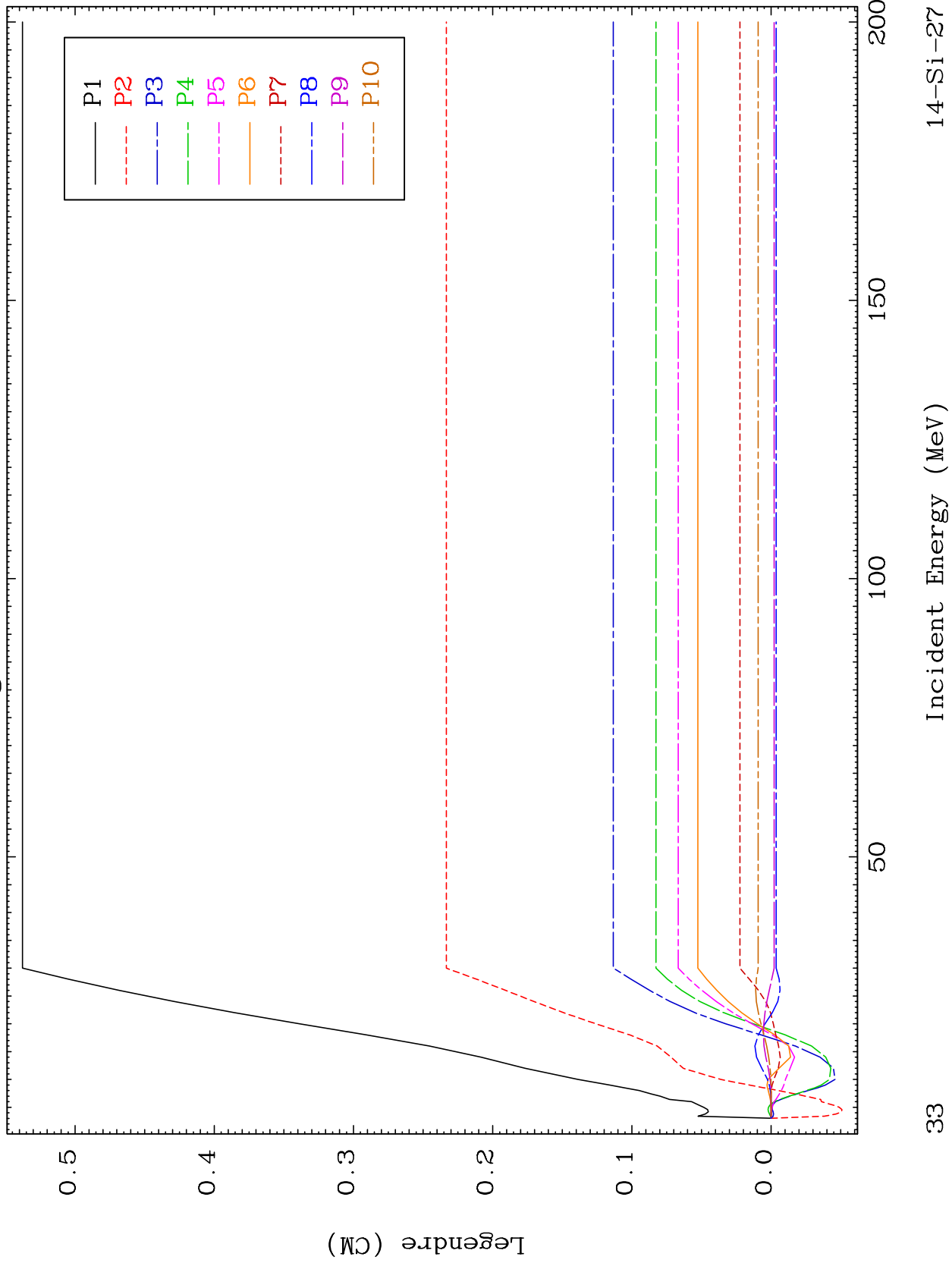




MAT 1422

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

14-Si-27



33

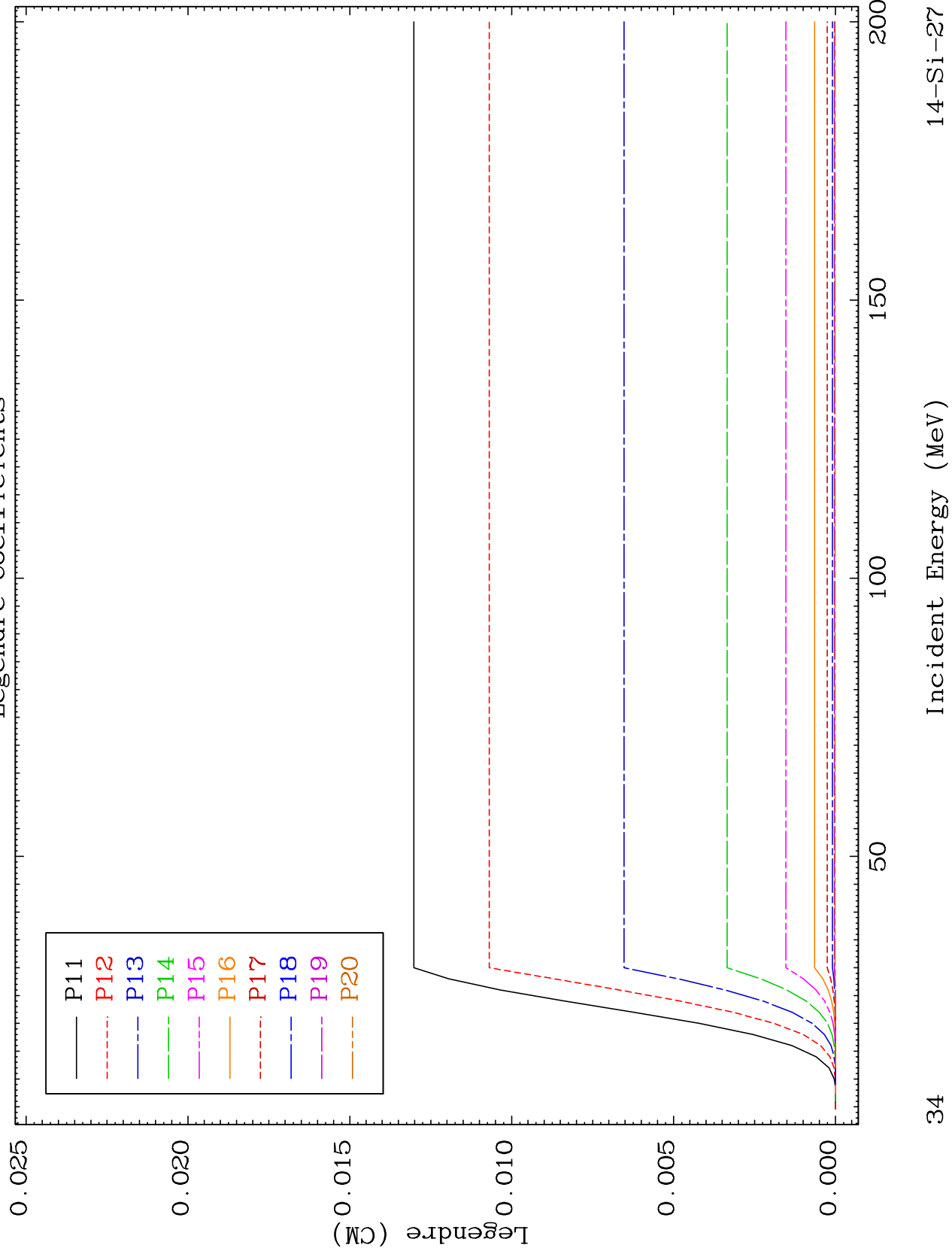
Incident Energy (MeV)

14-Si-27

MAT 1422

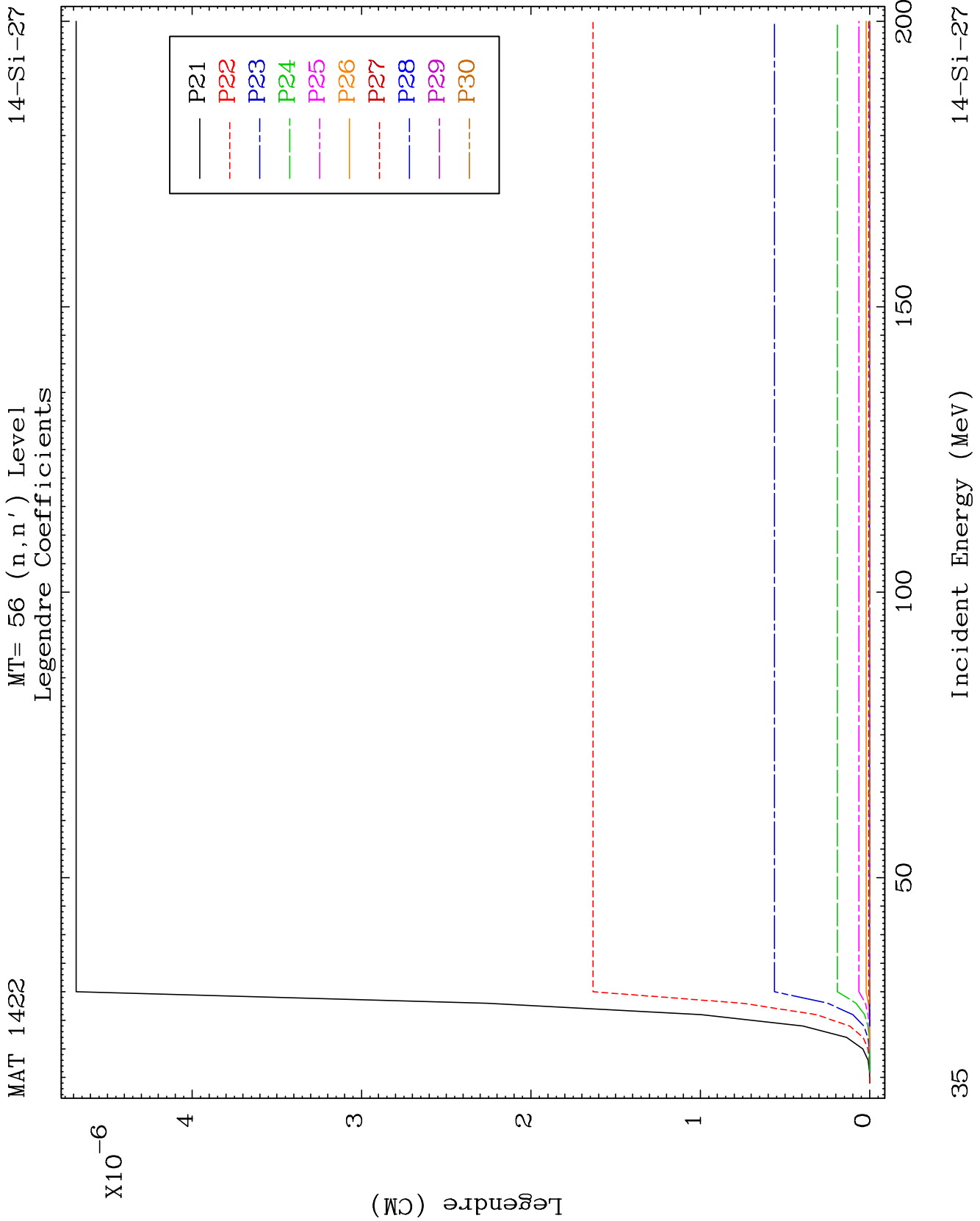
MT= 56 (n,n') Level
Legendre Coefficients

14-Si-27



34

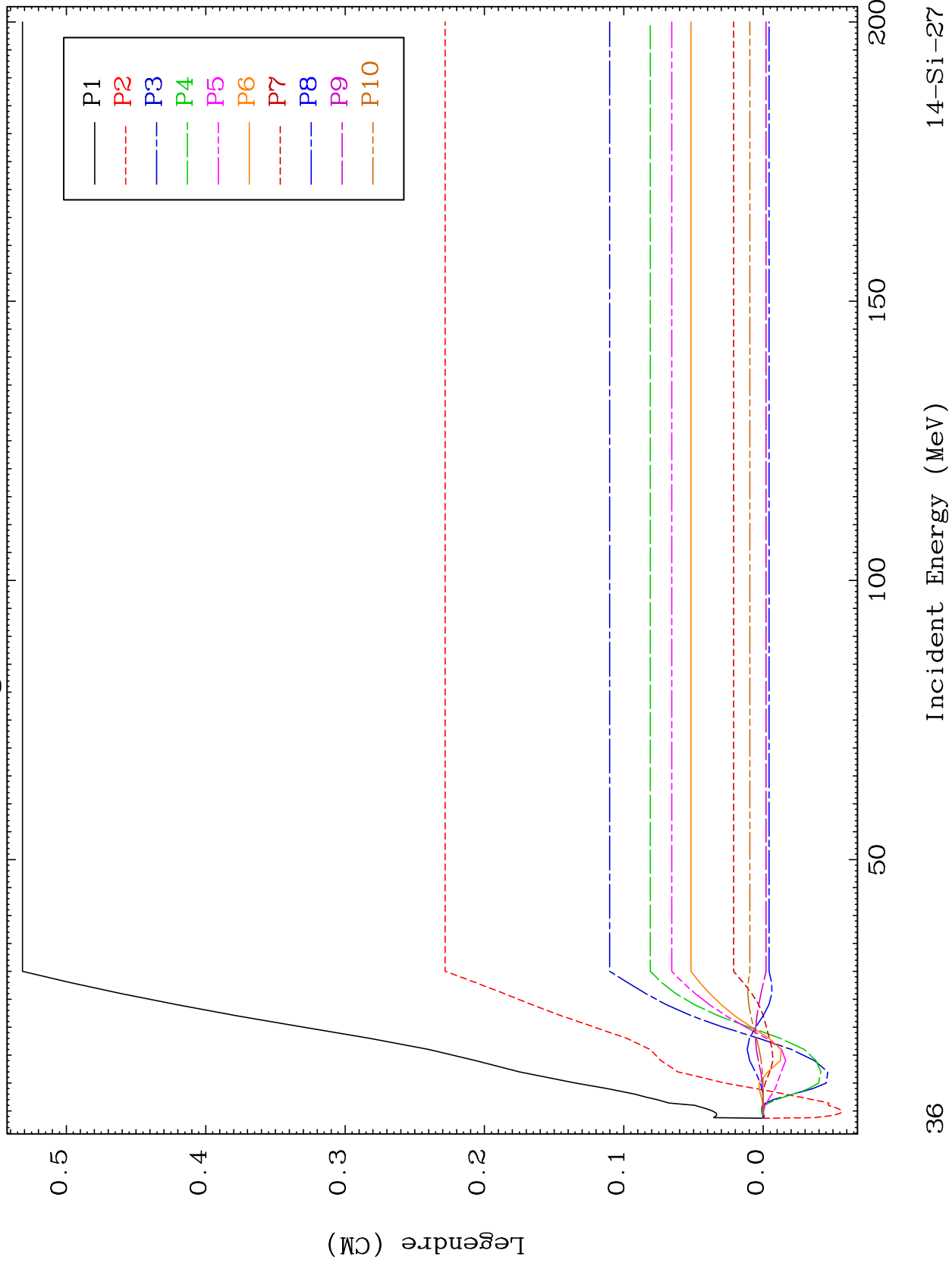
14-Si-27



MAT 1422

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

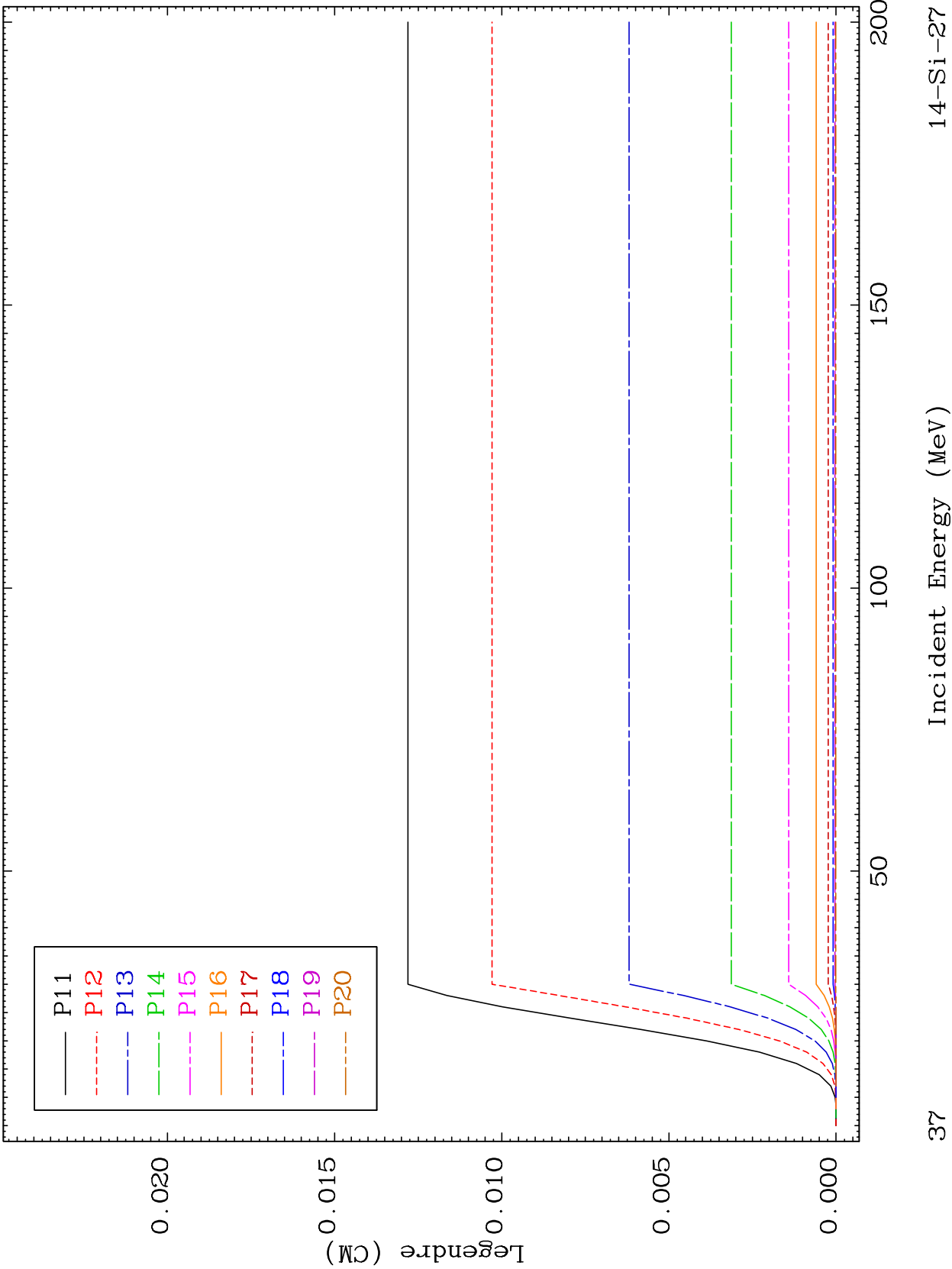
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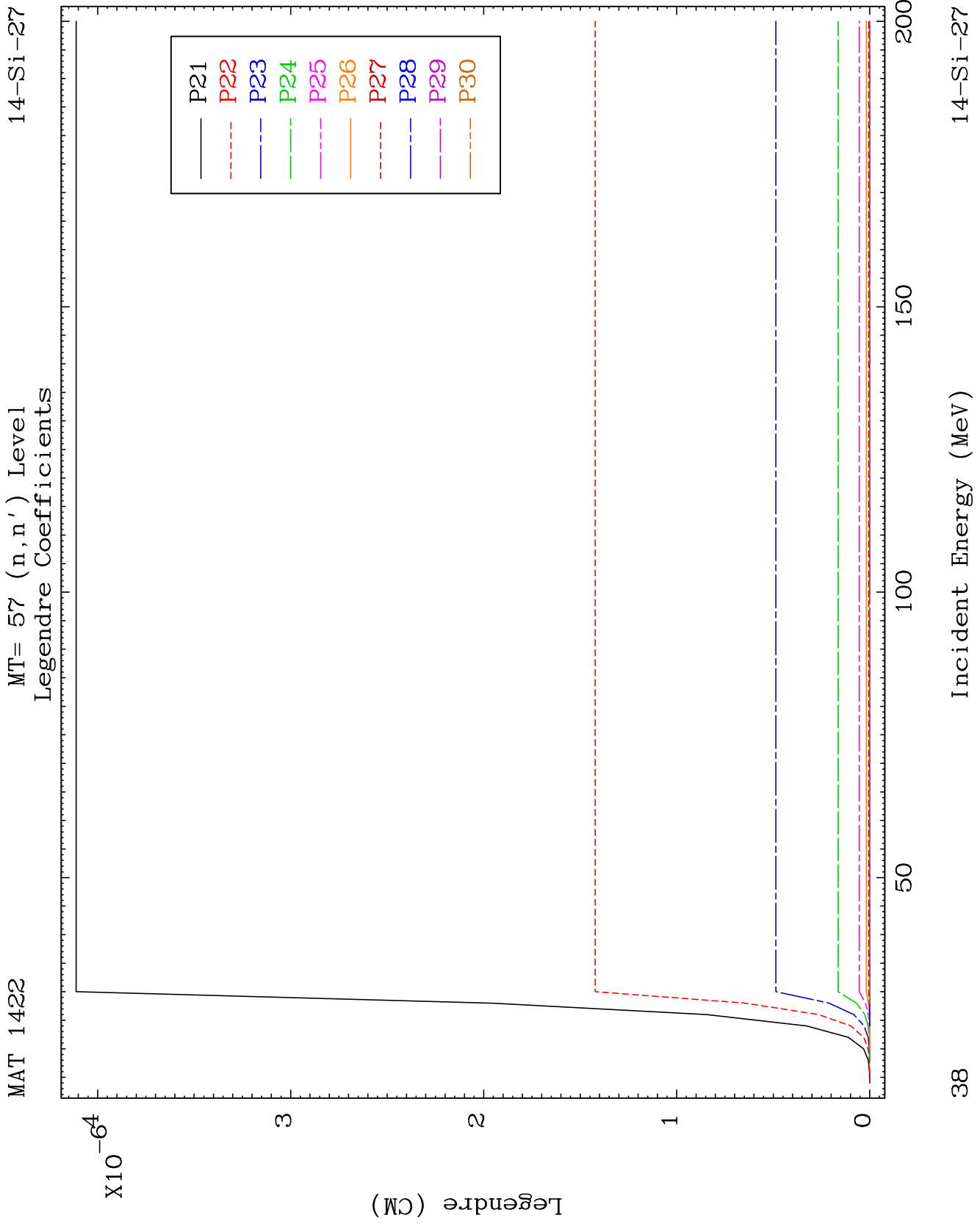


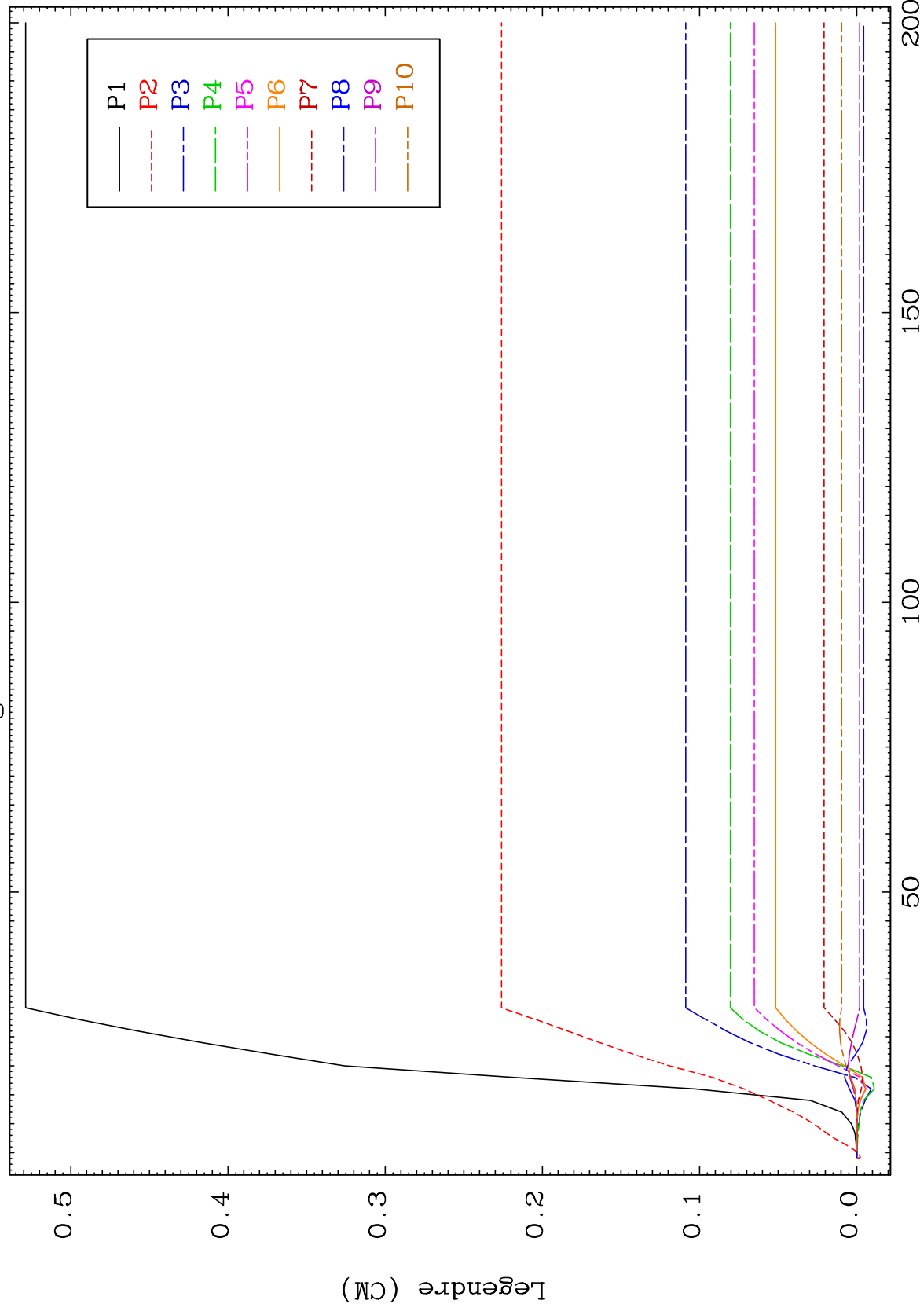
36

Incident Energy (MeV)

14-Si-27



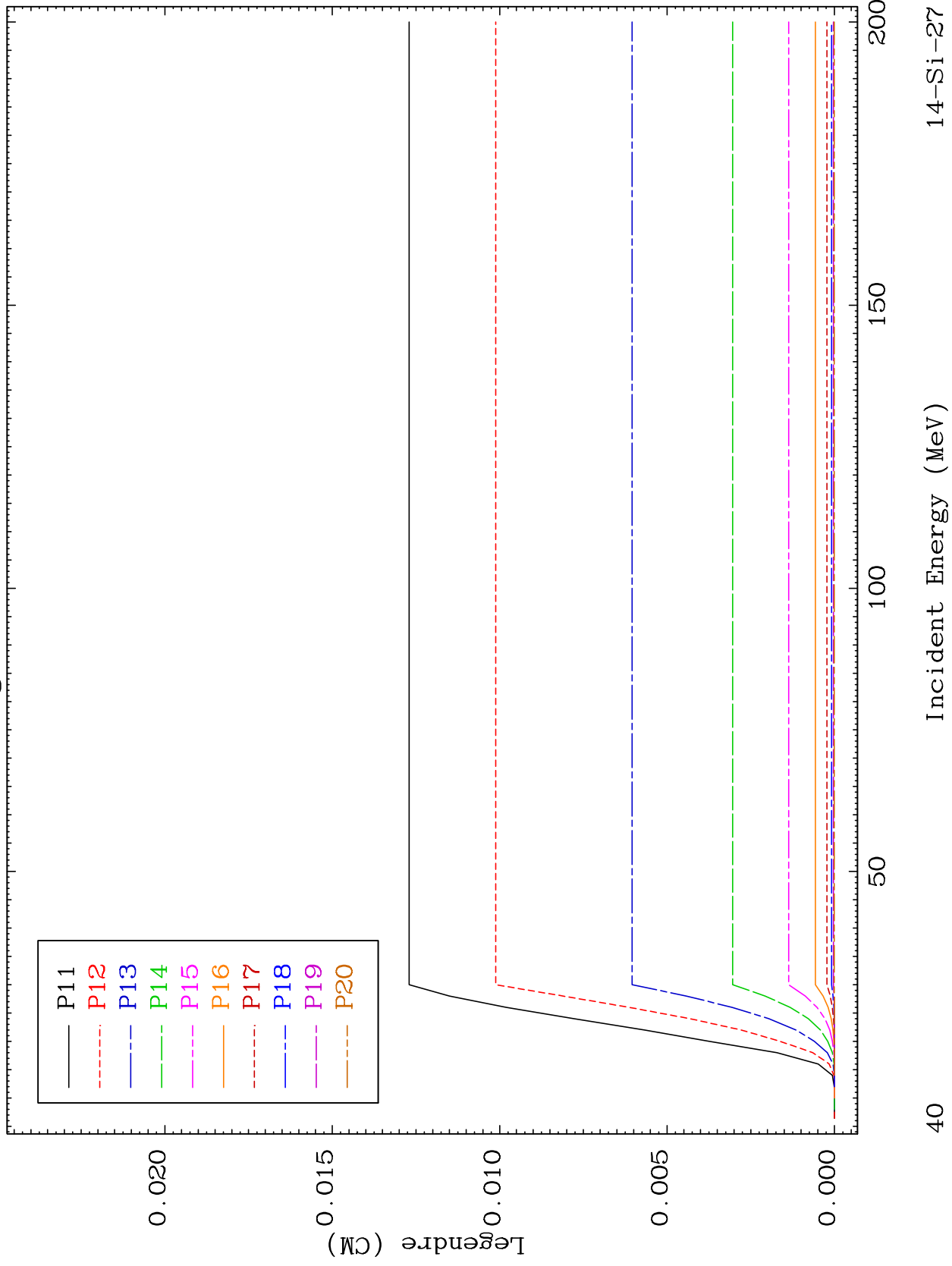




MAT 1422

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

14-Si-27



40

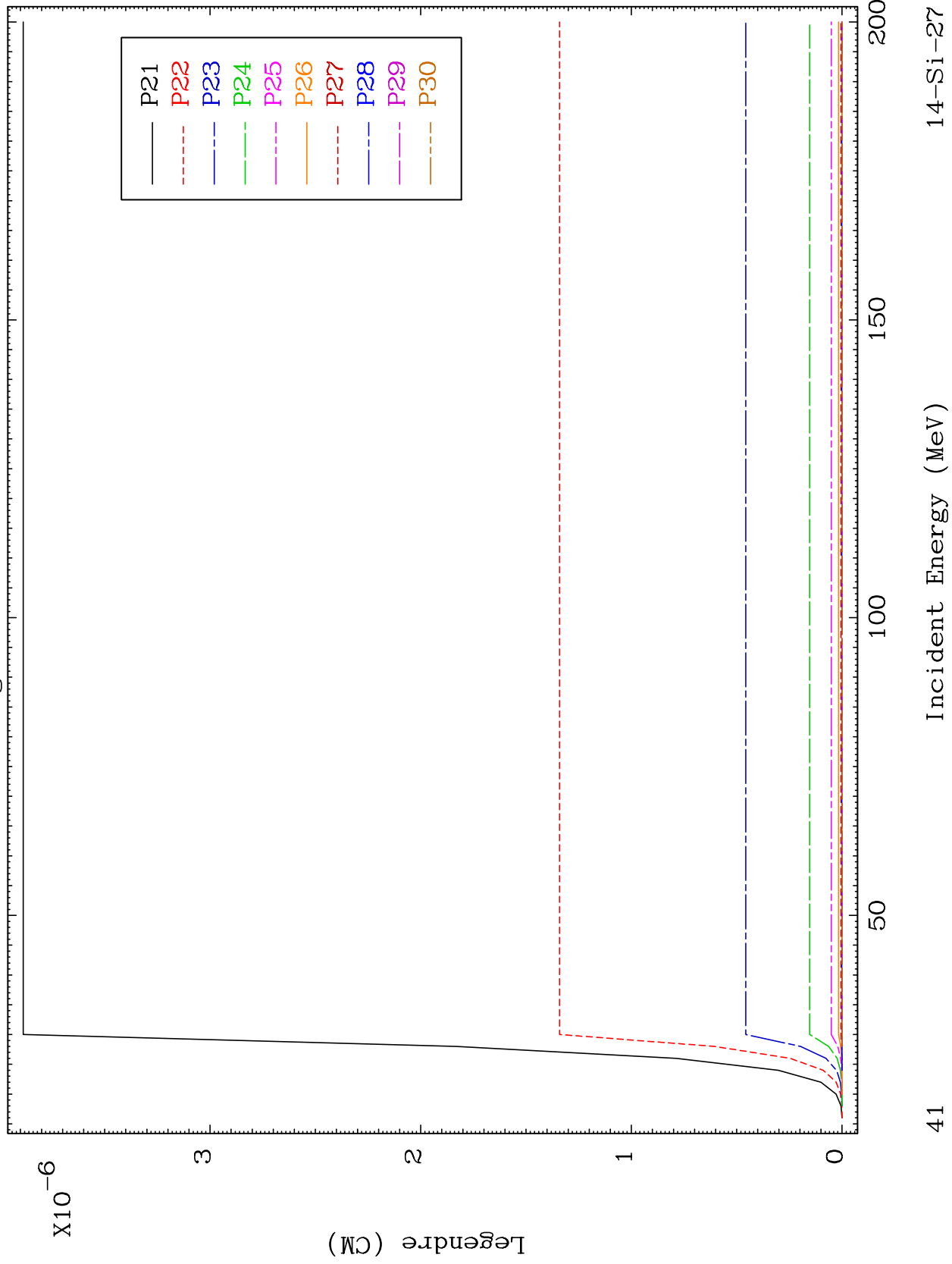
Incident Energy (MeV)

14-Si-27

MAT 1422

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

14-Si-27



41

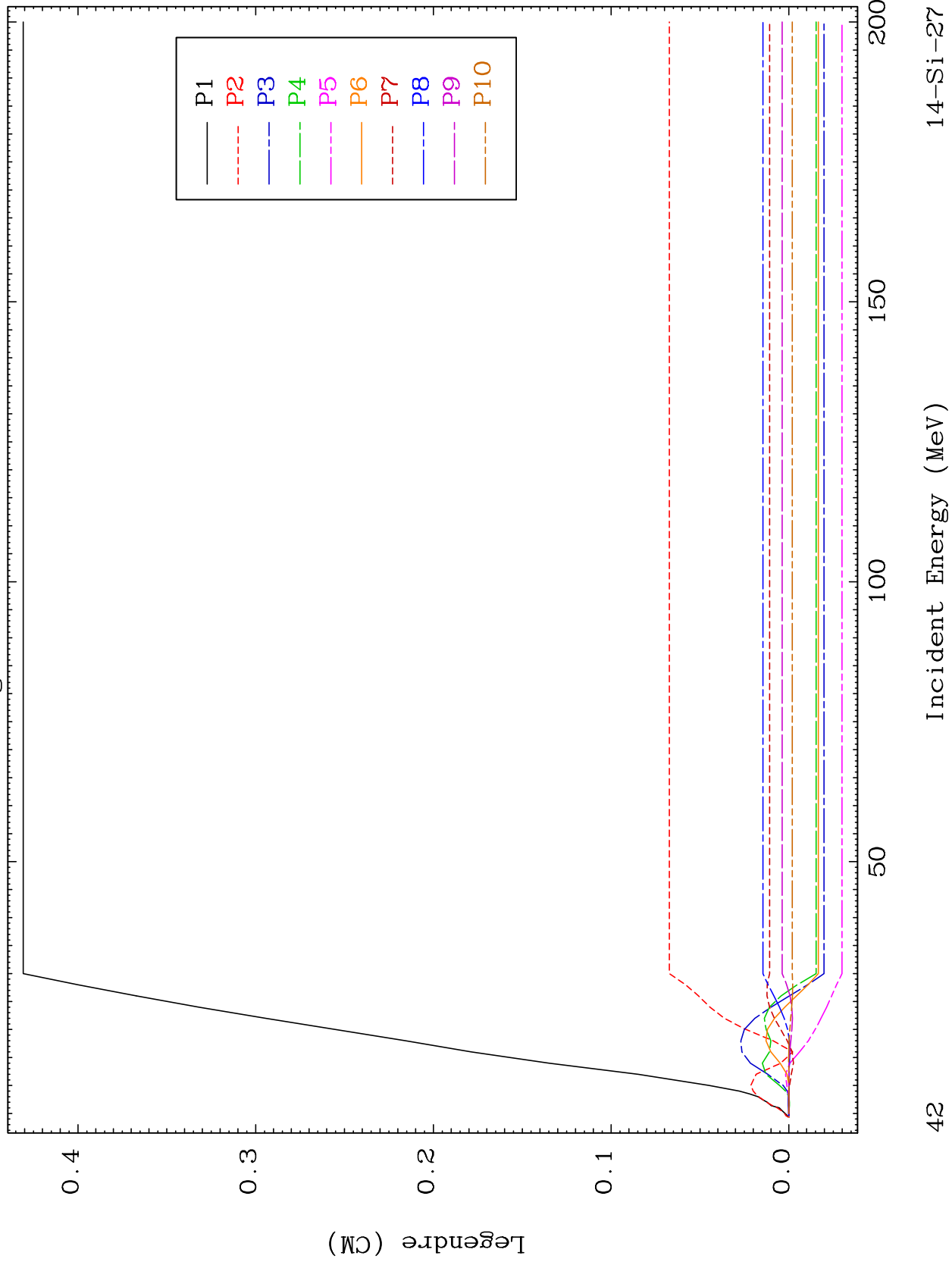
Incident Energy (MeV)

14-Si-27

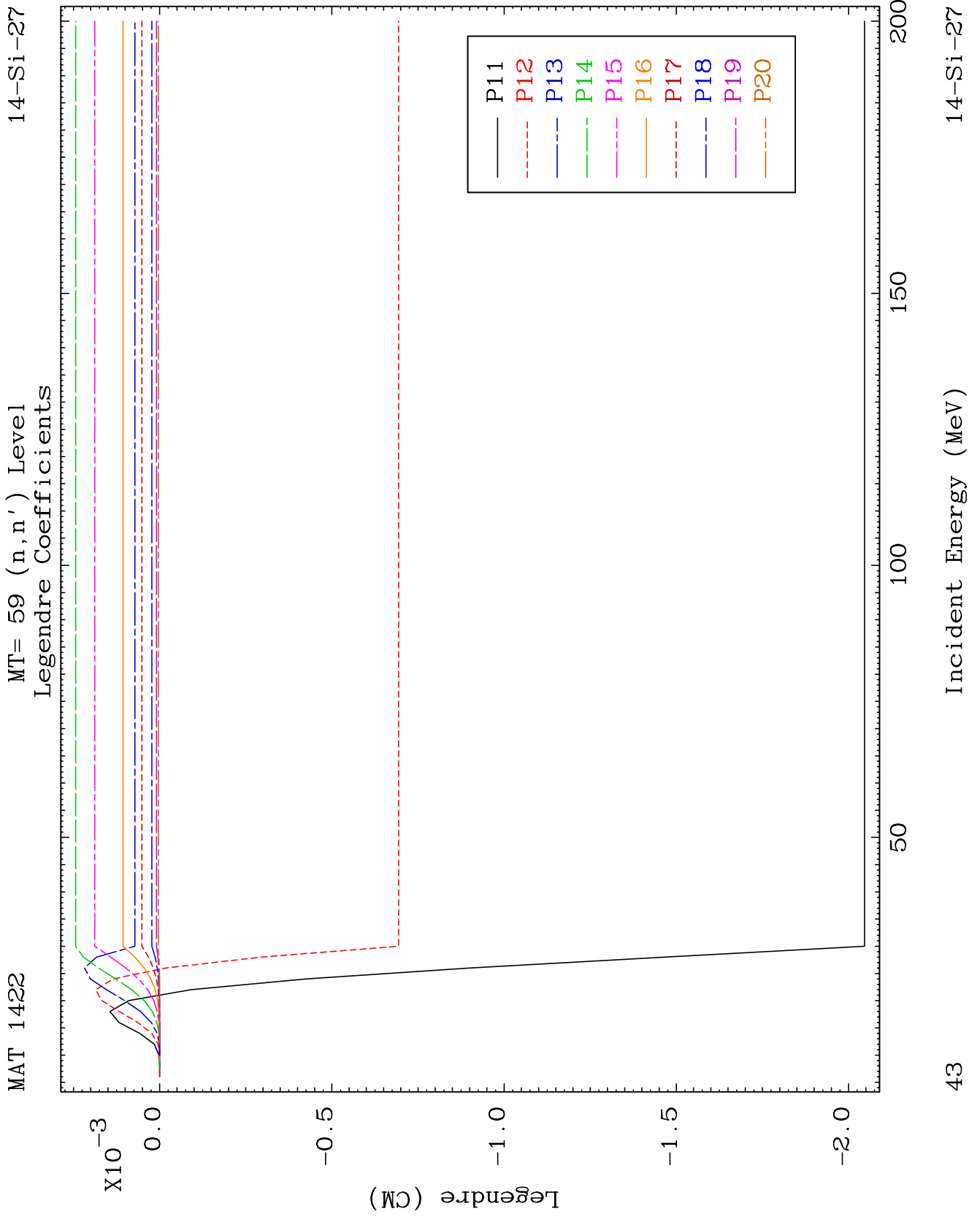
MAT 1422

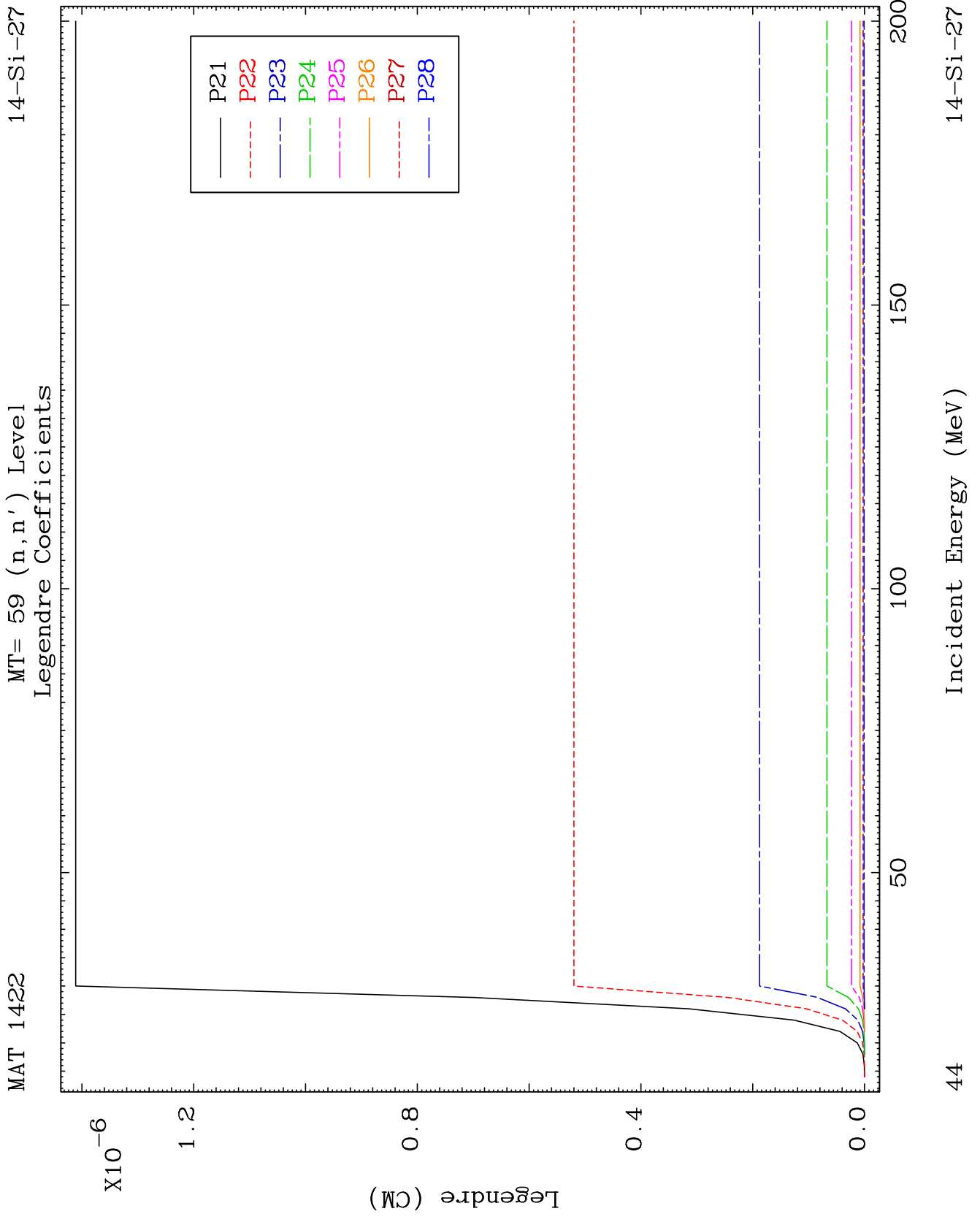
MT= 59 (n,n') Level
Legendre Coefficients

14-Si-27



42

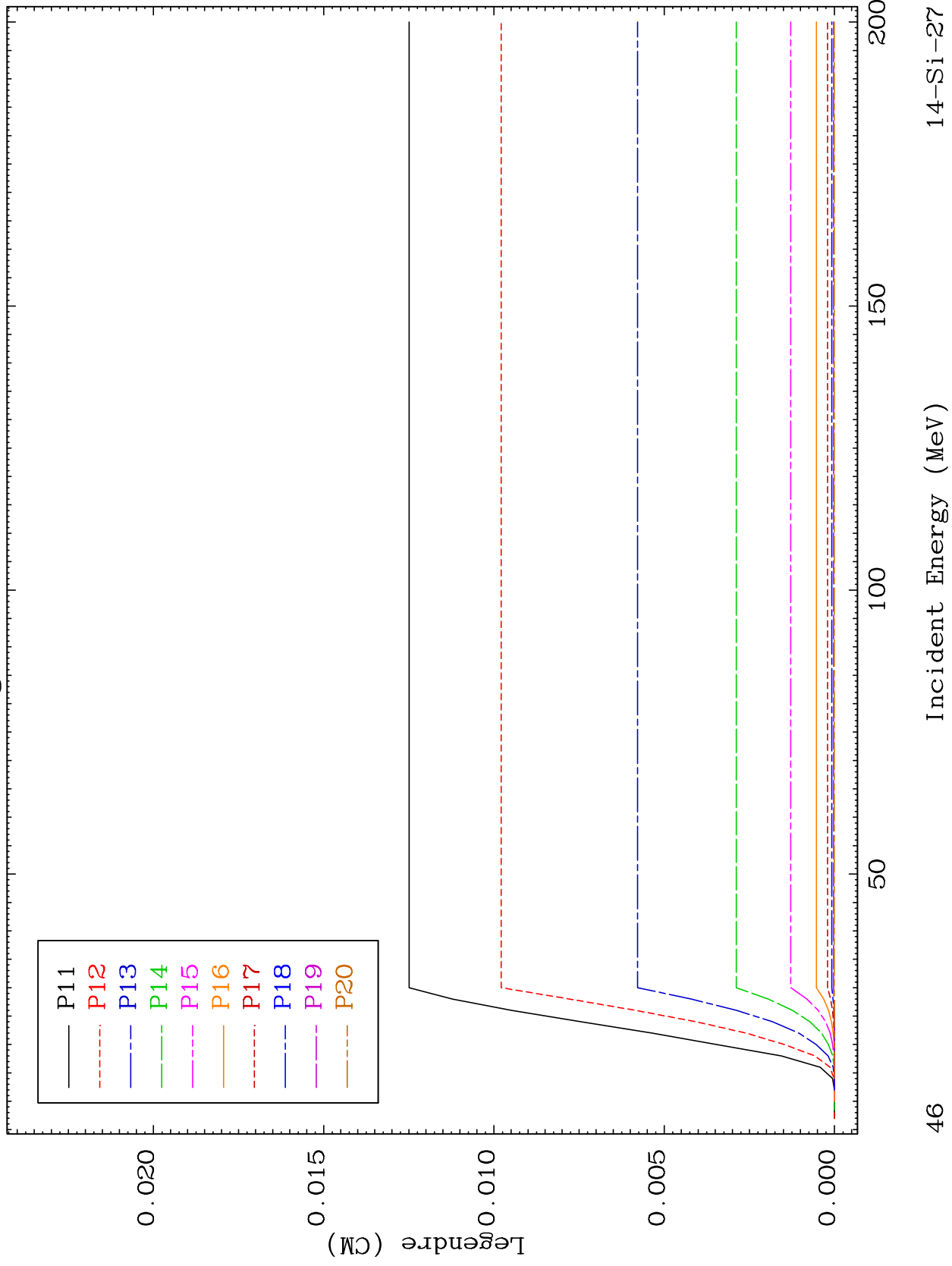




MAT 1422

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

14-Si-27



46

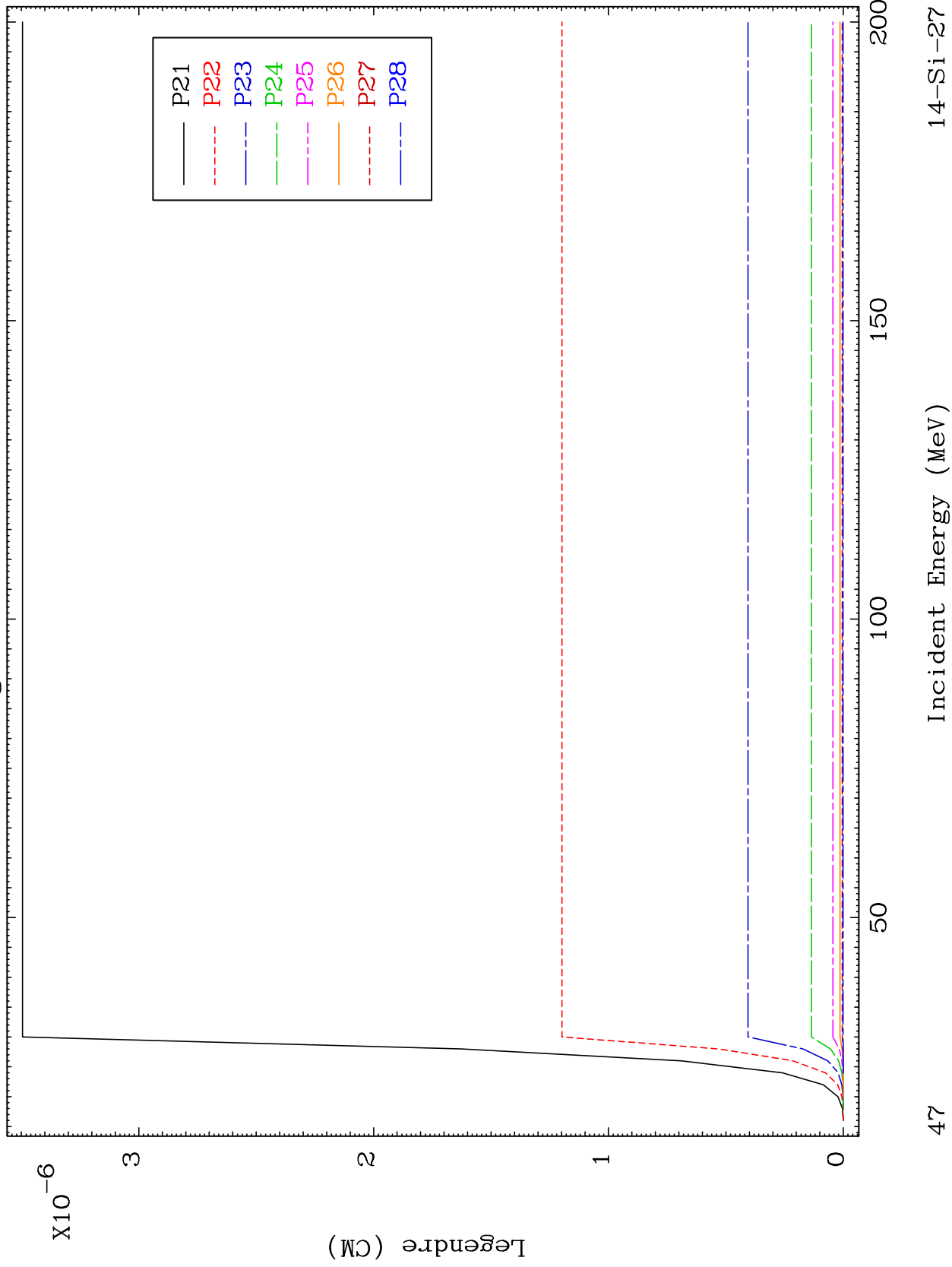
Incident Energy (MeV)

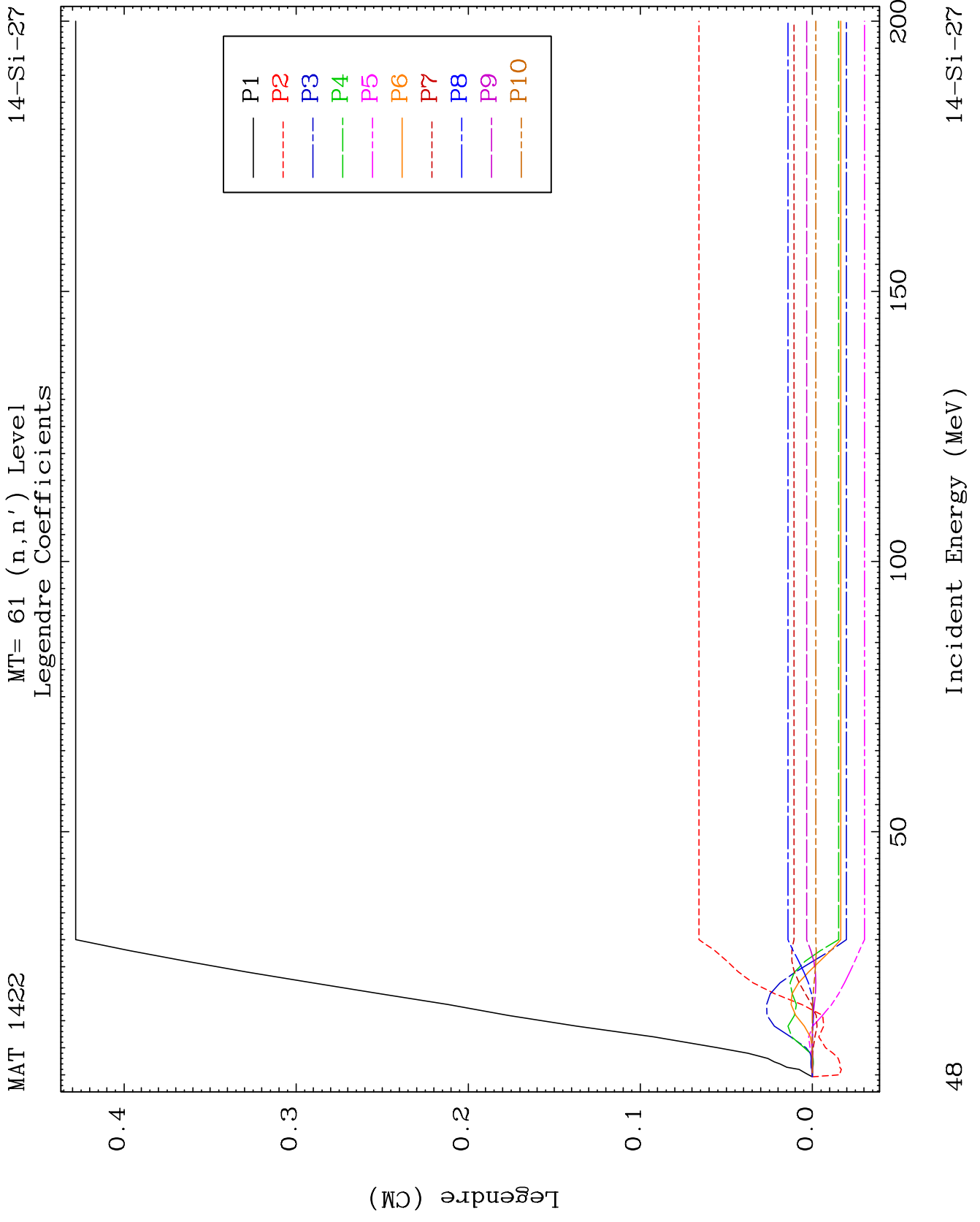
14-Si-27

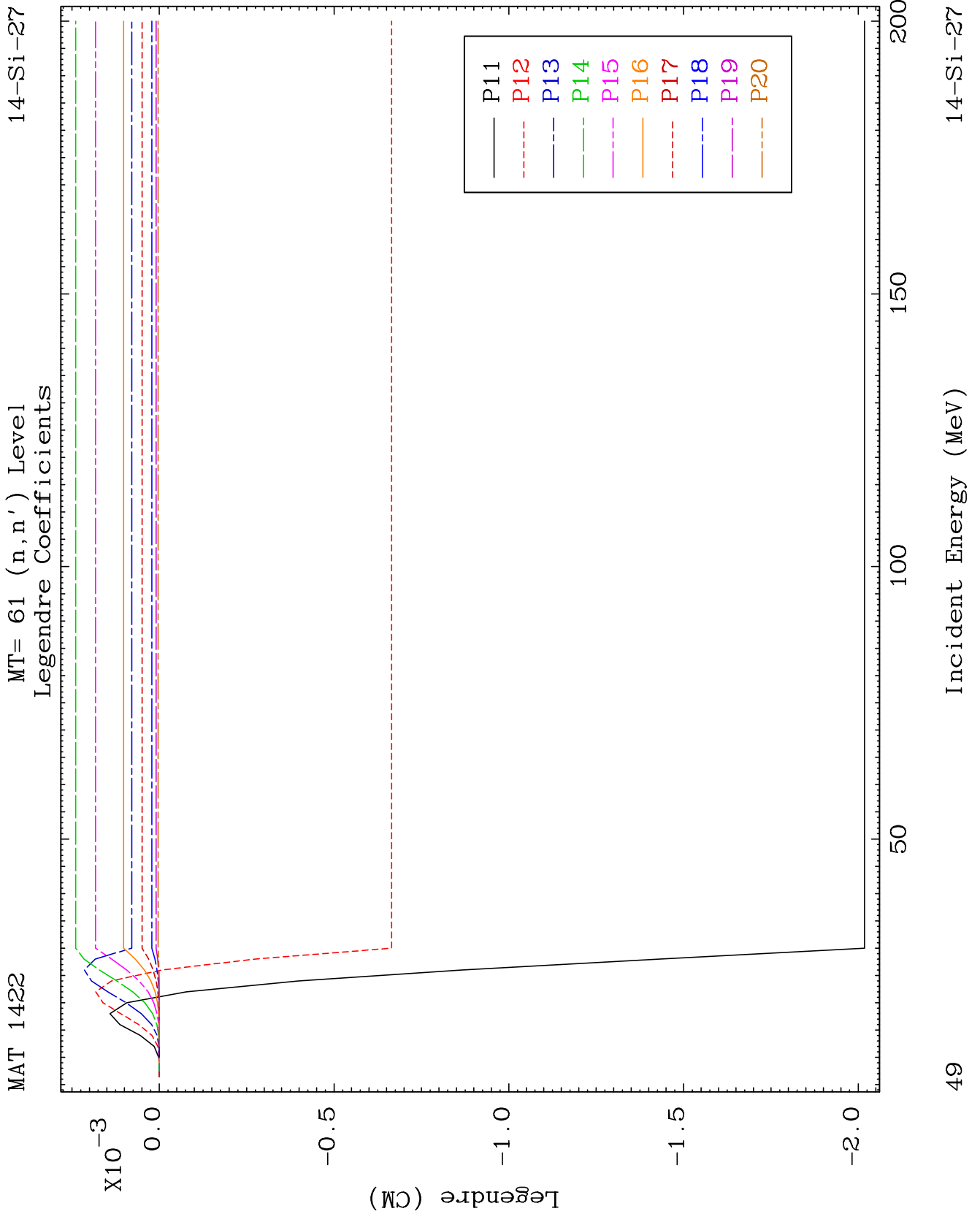
MAT 1422

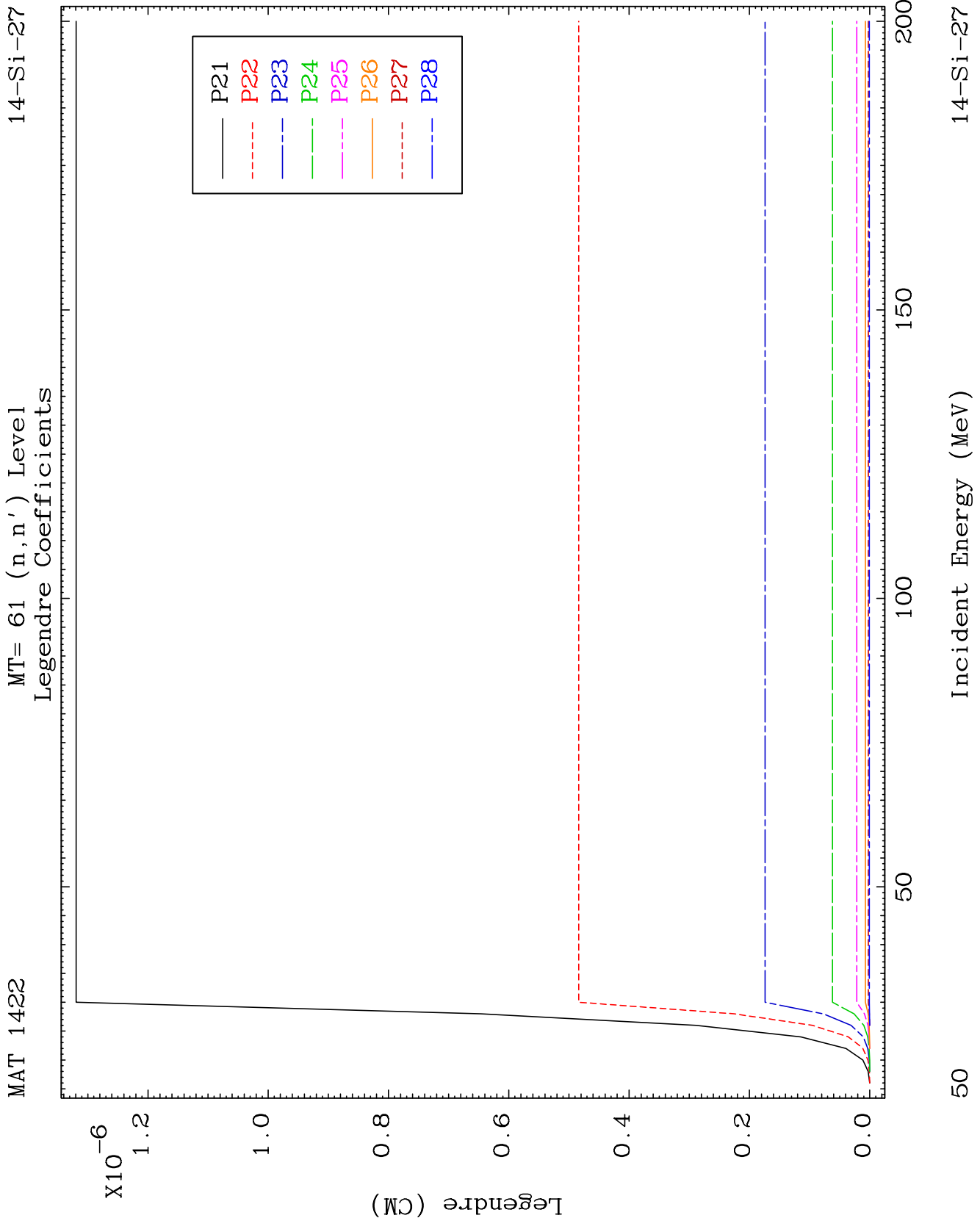
MT= 60 (n,n') Level
Legendre Coefficients

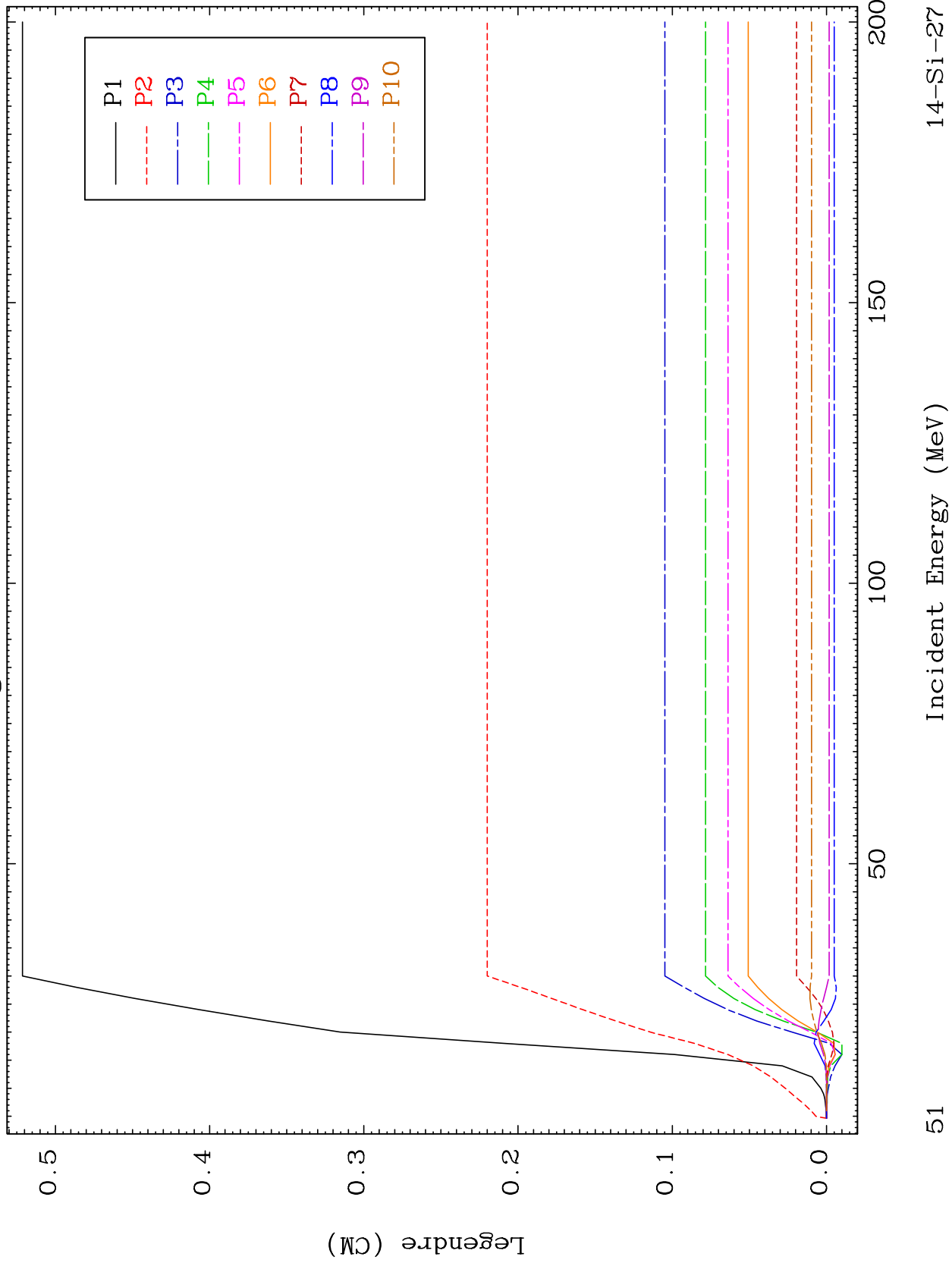
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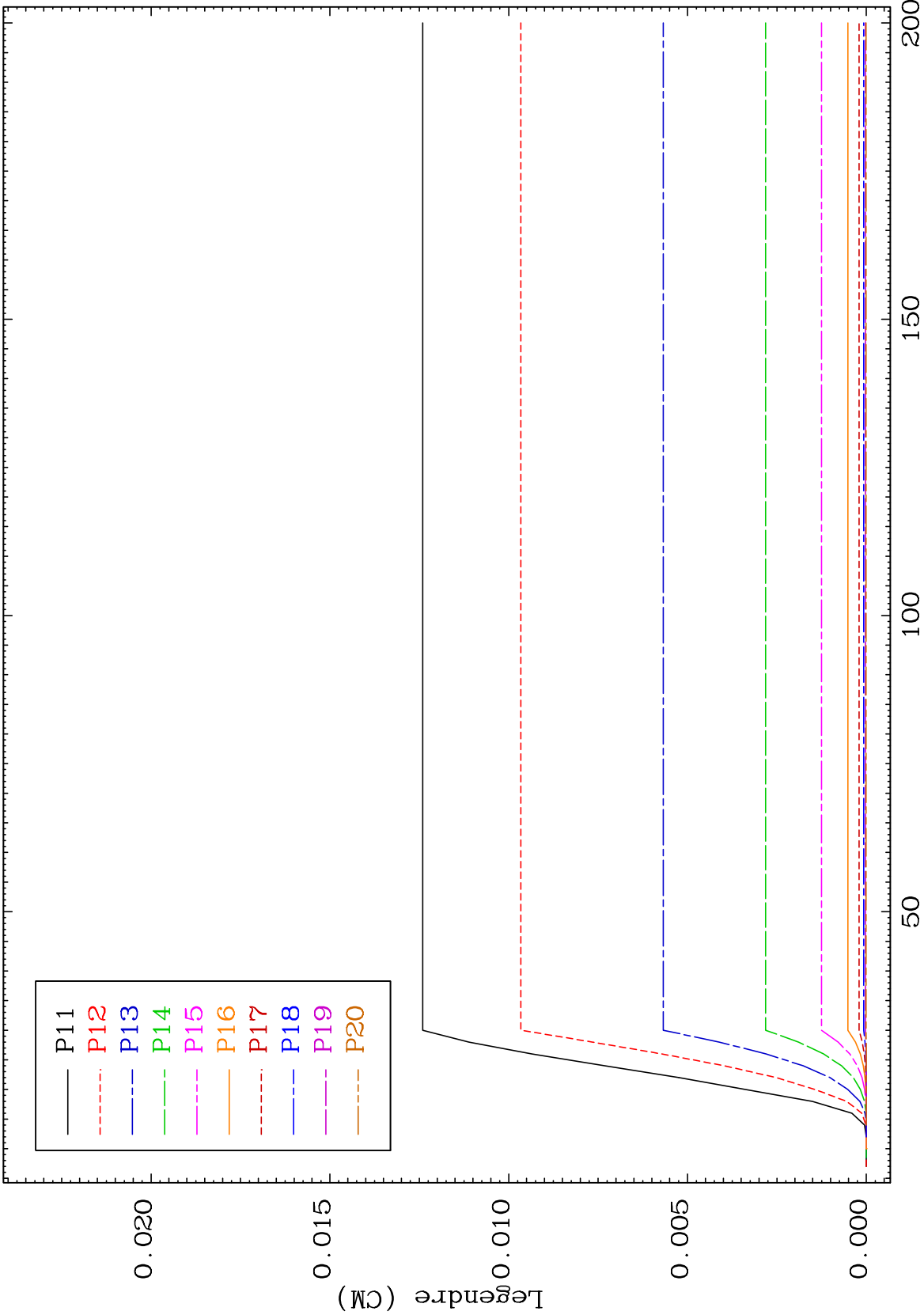




MAT 1422

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

14-Si-27



52

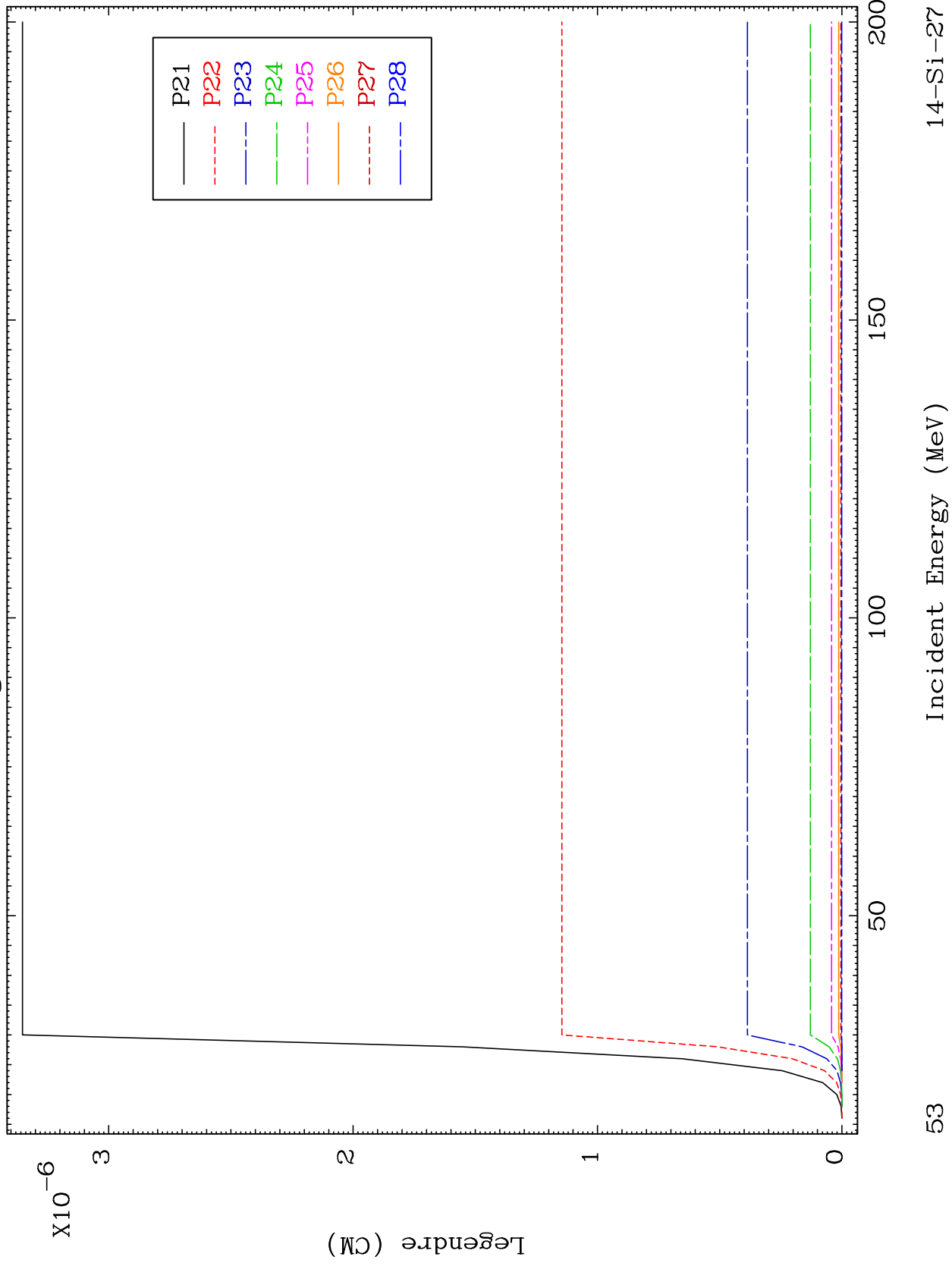
Incident Energy (MeV)

14-Si-27

MAT 1422

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

14-Si-27



53

Incident Energy (MeV)

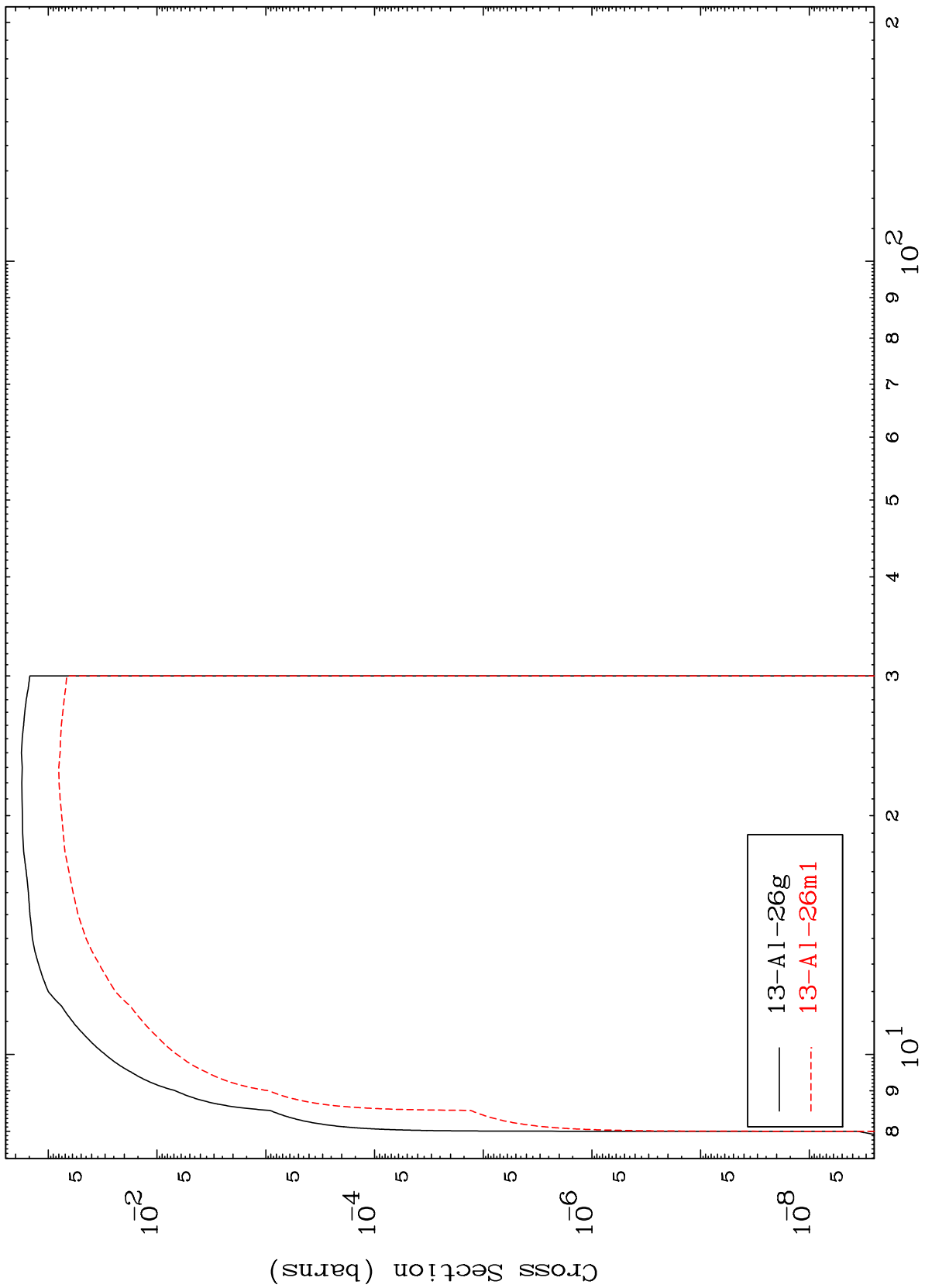
14-Si-27

MAT 1422

(n,n') p

14-Si-27

Radionuclide Production Cross Section



54

Incident Energy (MeV)

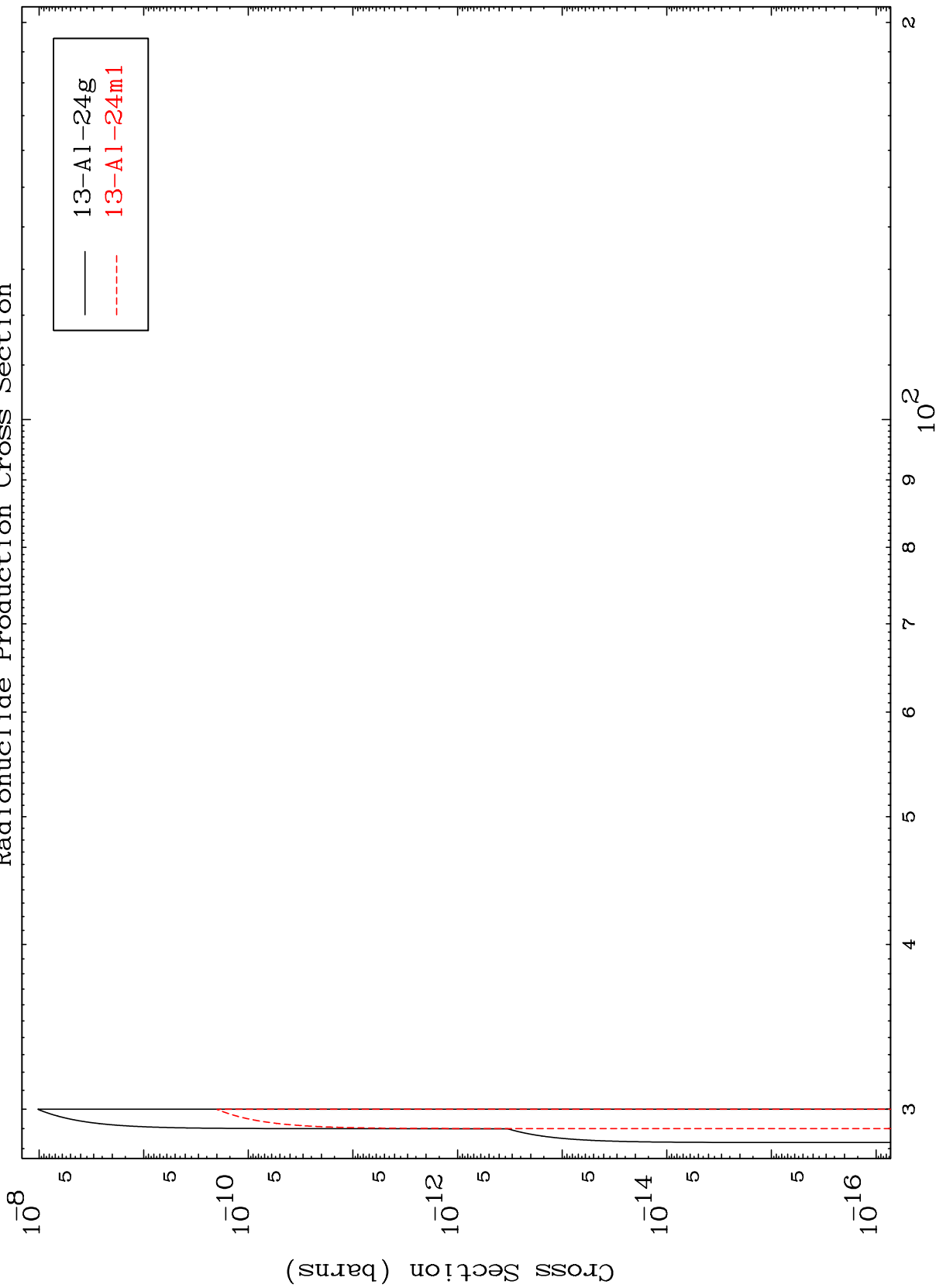
14-Si-27

MAT 1422

(n,n') t

14-Si-27

Radionuclide Production Cross Section



55

Incident Energy (MeV)

14-Si-27

(n,d)
Radionuclide Production Cross Section

