

Program EVALPLOT  
(Version 2021-1)

by

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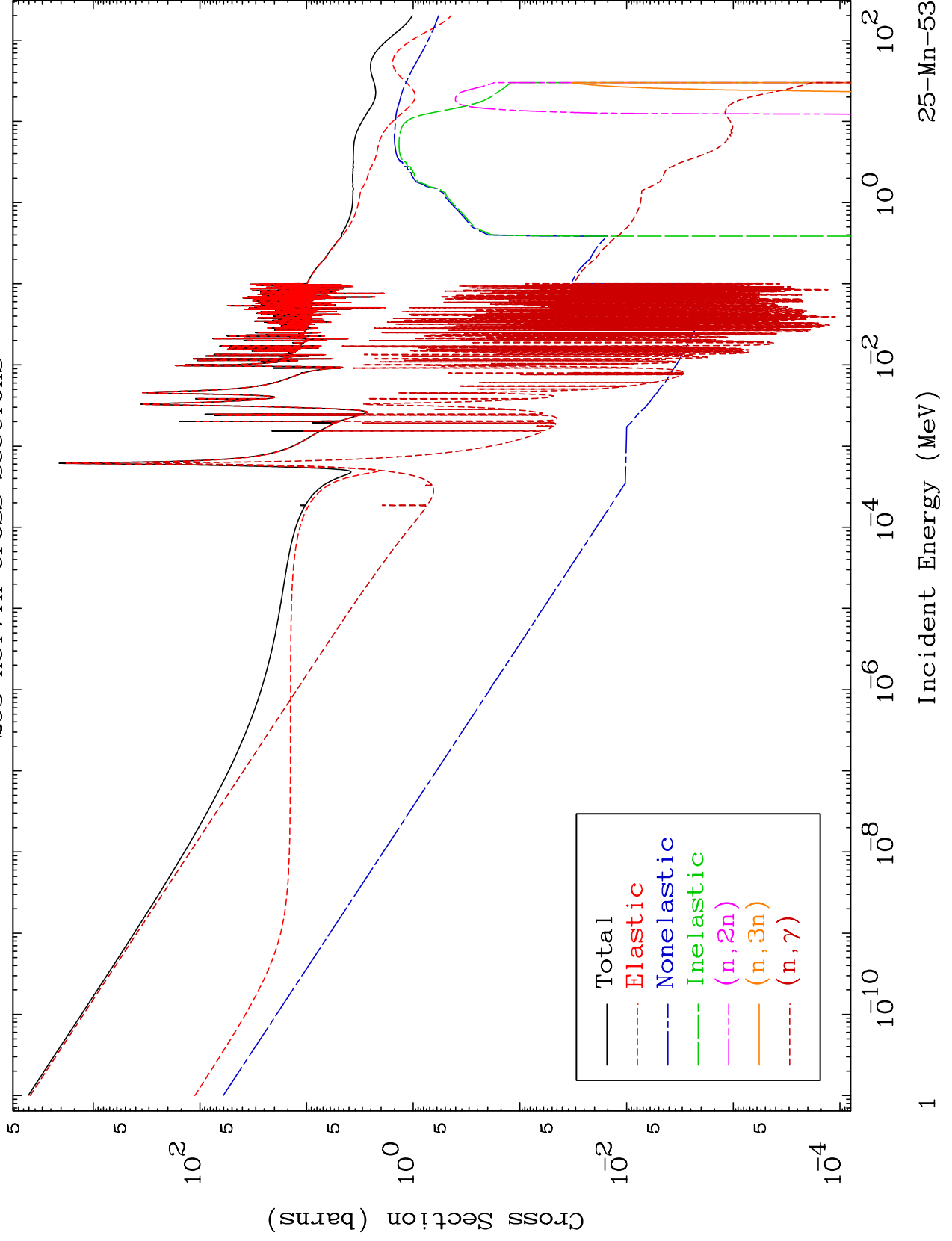
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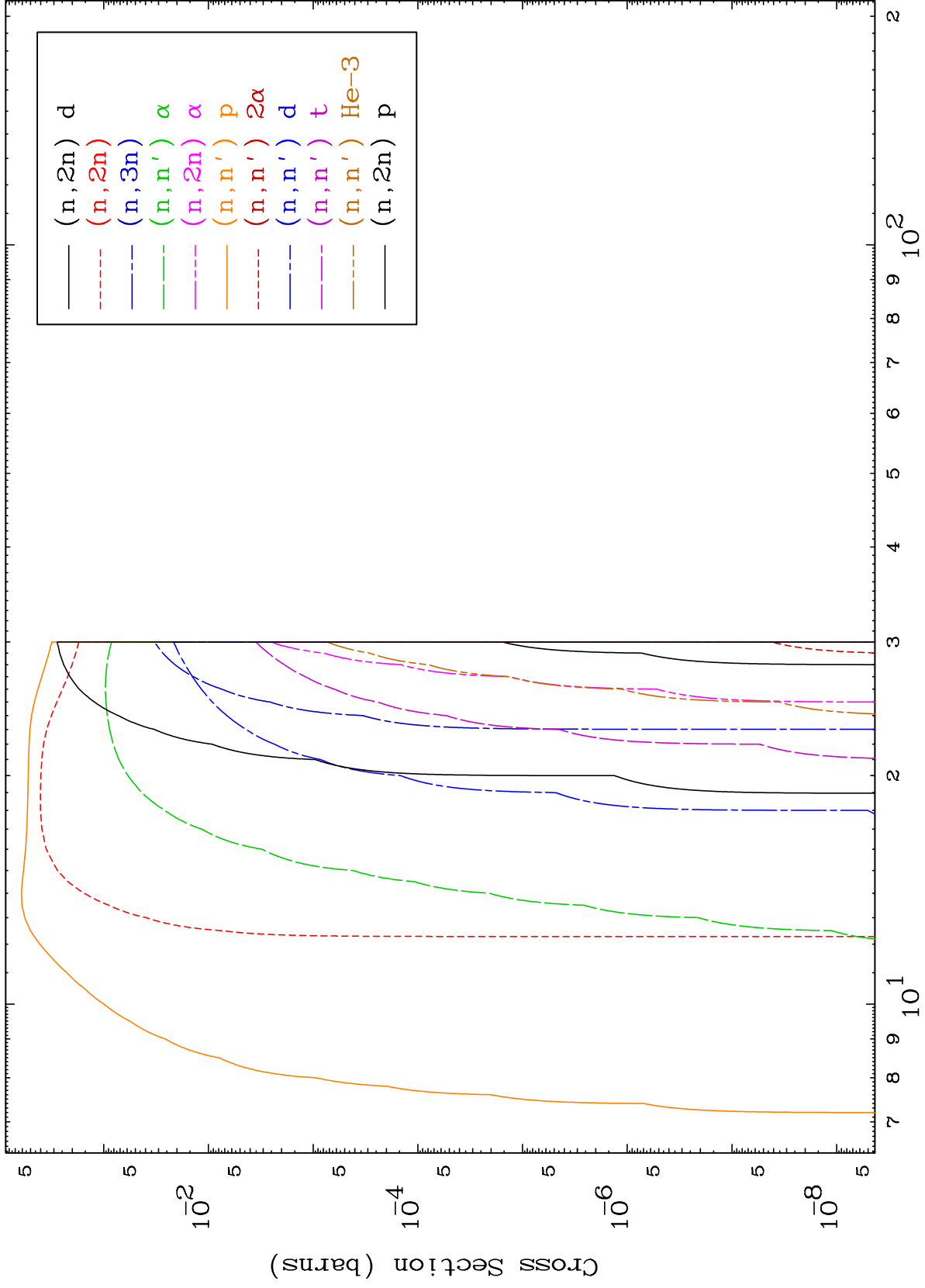
Press Mouse Button to Start

MAT 2519

Neutron Major  
293 Kelvin Cross Sections

25-Mn-53

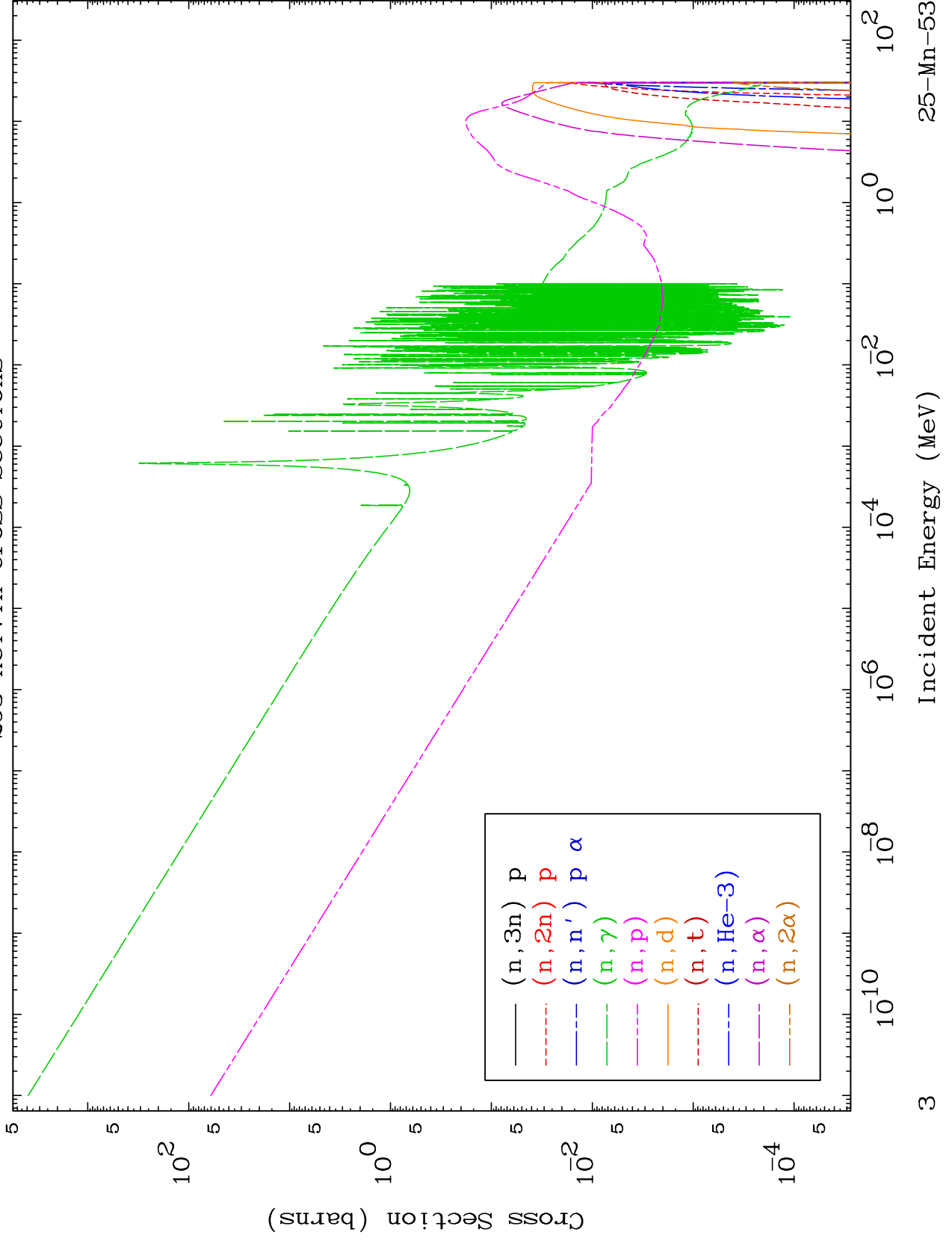




MAT 2519

Neutron Absorption  
293 Kelvin Cross Sections

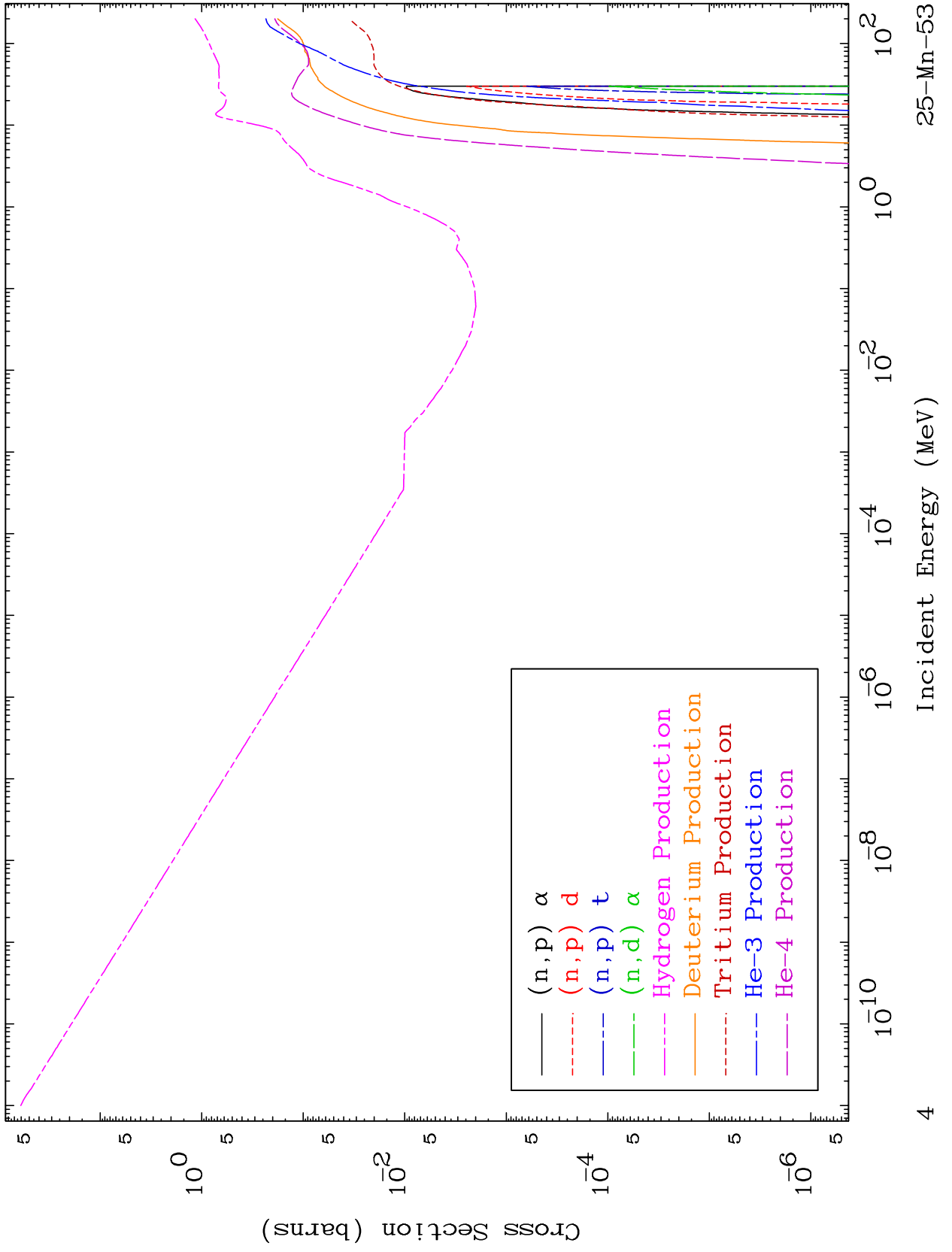
25-Mn-53



MAT 2519

Neutron Absorption  
293 Kelvin Cross Sections

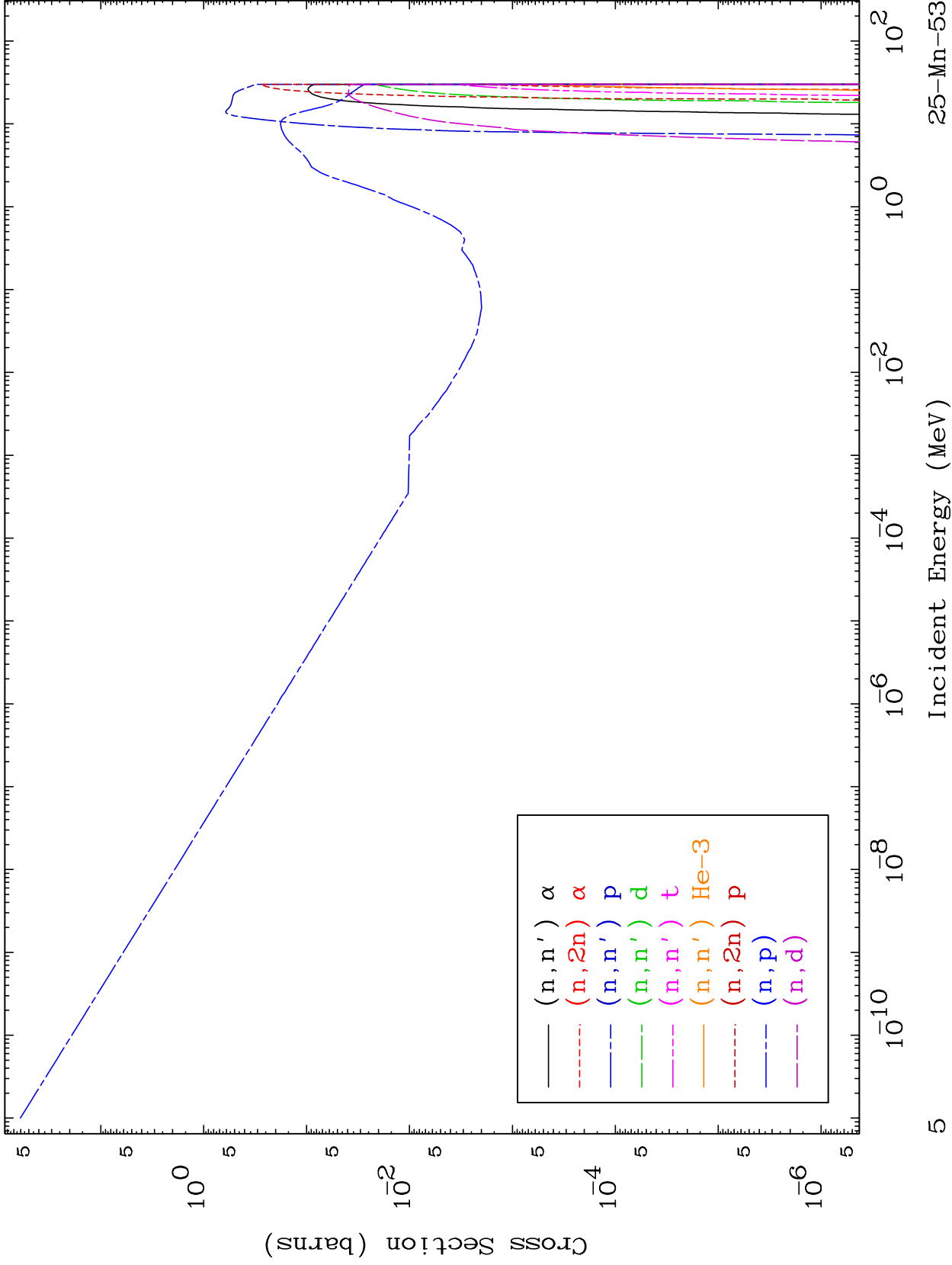
25-Mn-53



MAT 2519

Charged Particle  
293 Kelvin Cross Sections

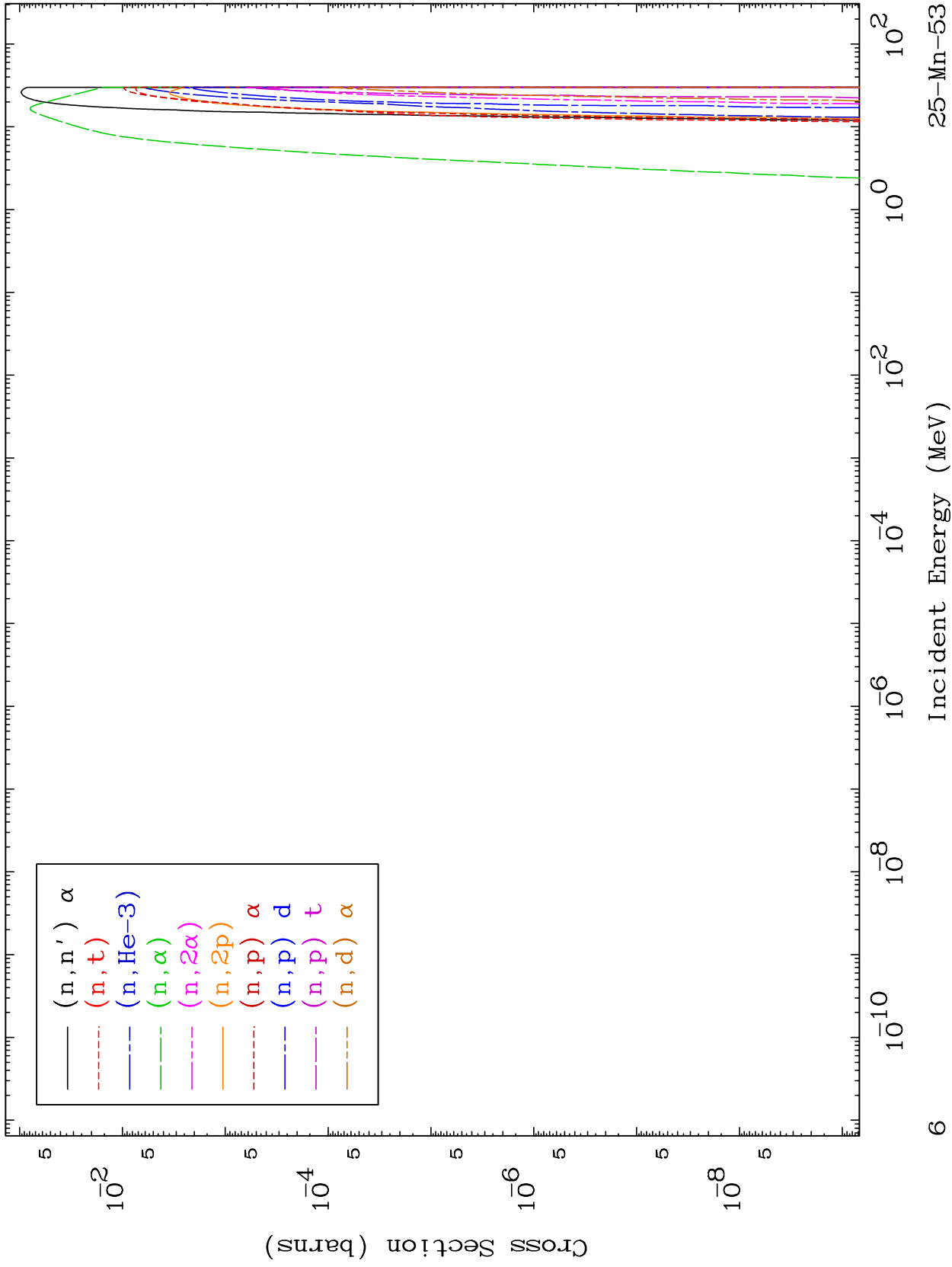
25-Mn-53



MAT 2519

Charged Particle  
293 Kelvin Cross Sections

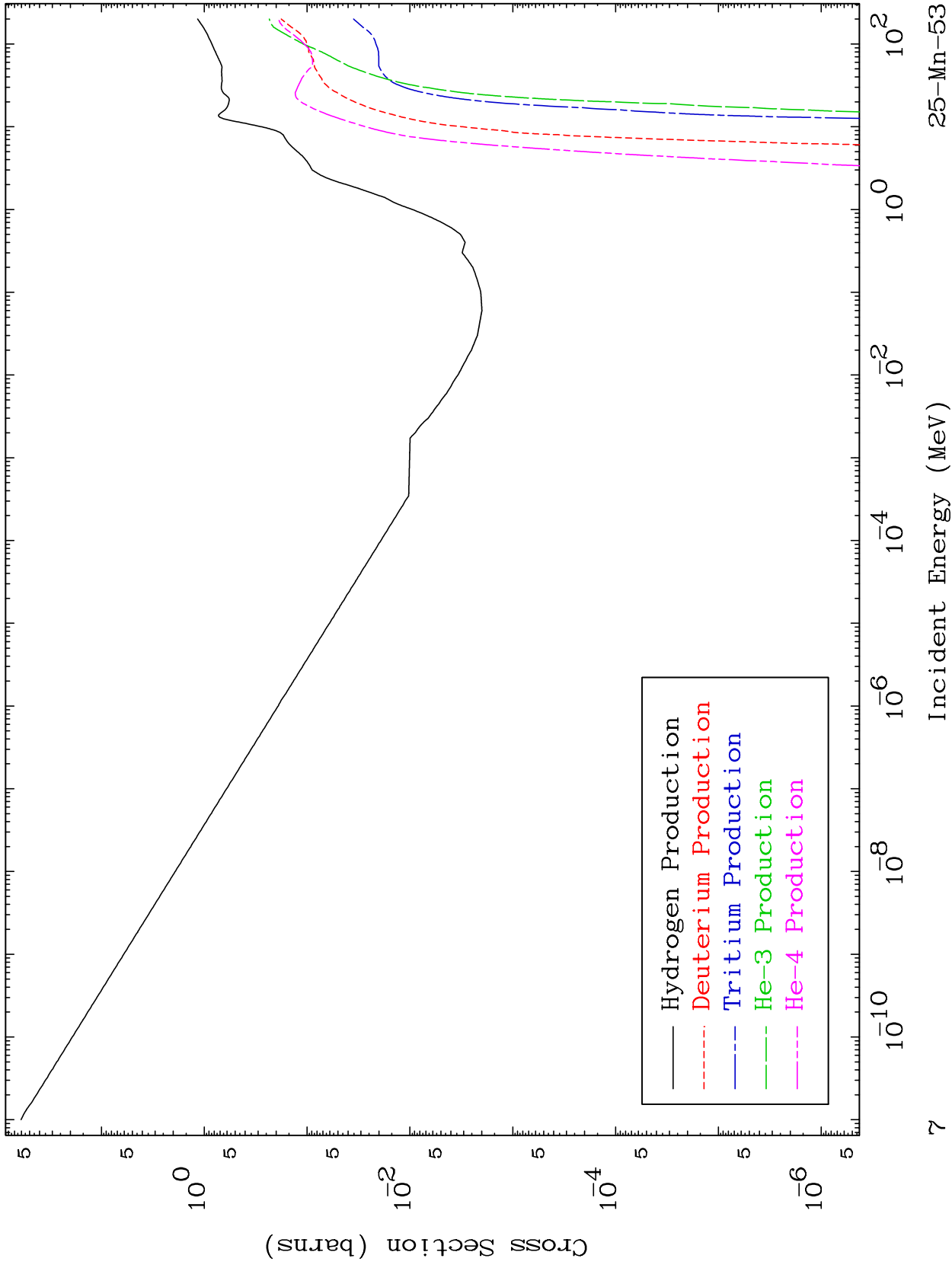
25-Mn-53



MAT 2519

Particle Production  
293 Kelvin Cross Sections

25-Mn-53



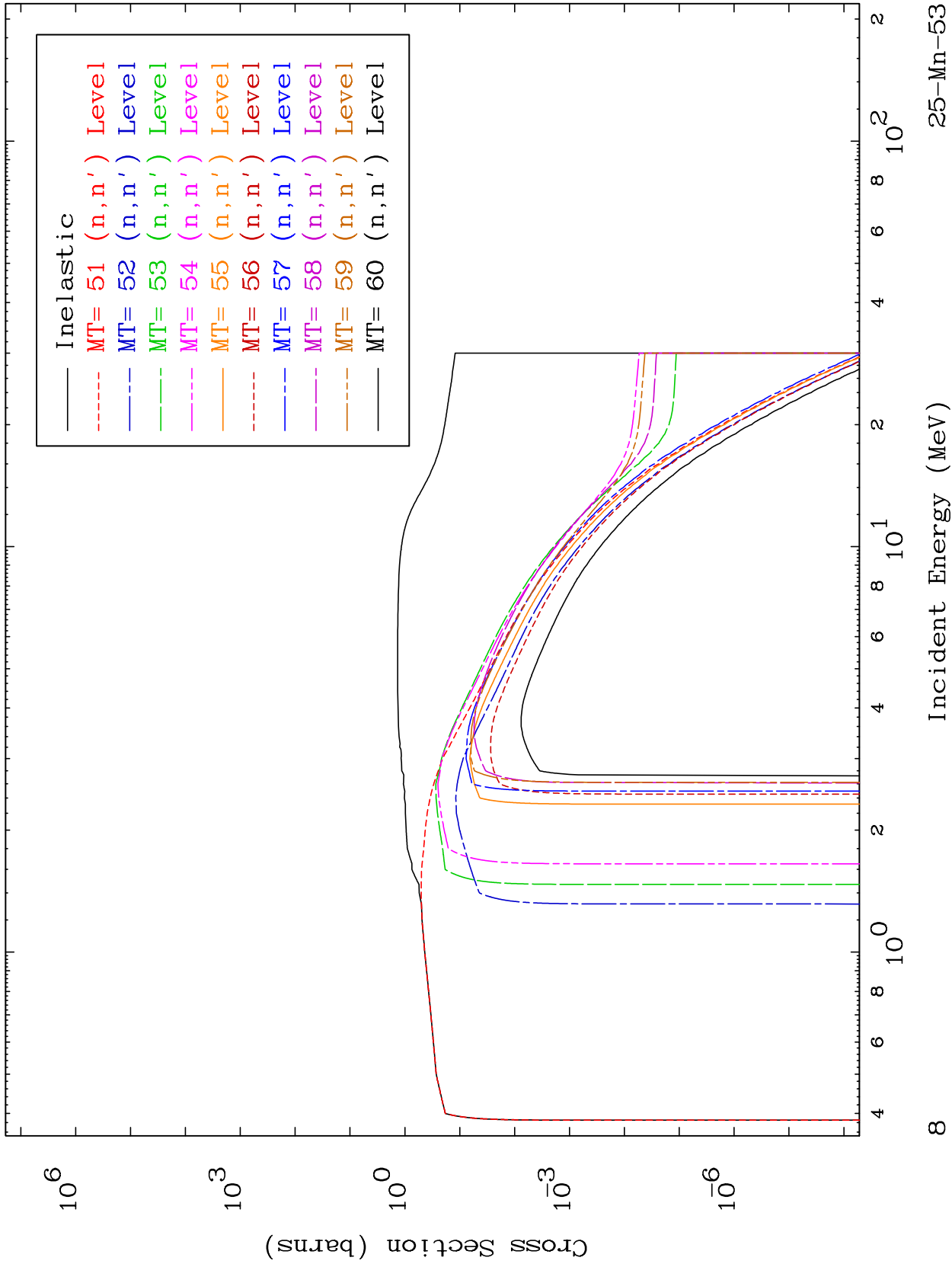


MAT 2519

(n,n') Levels

25-Mn-53

293 Kelvin Cross Sections



8

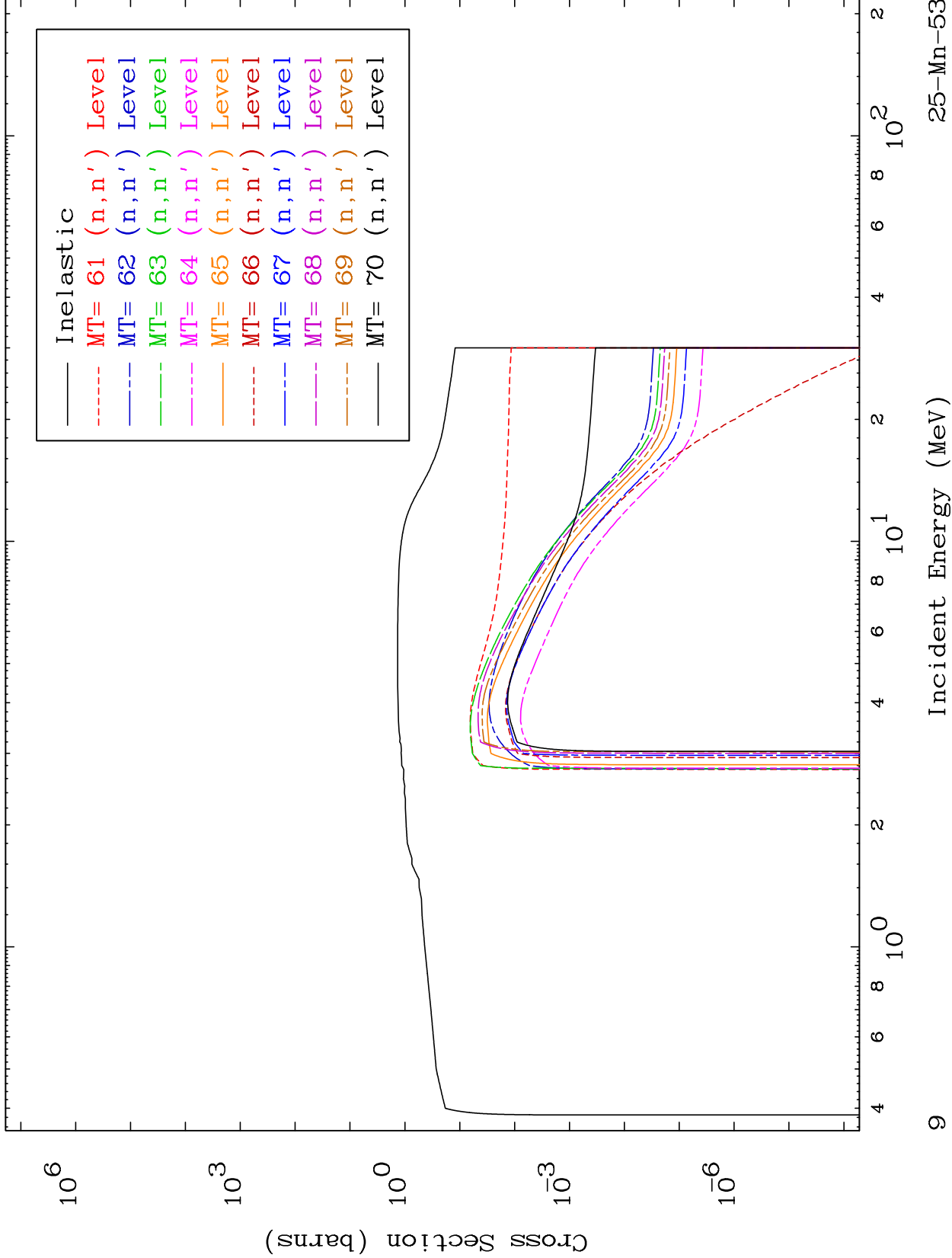
Incident Energy (MeV)

25-Mn-53

MAT 2519

(n,n') Levels  
293 Kelvin Cross Sections

25-Mn-53



9

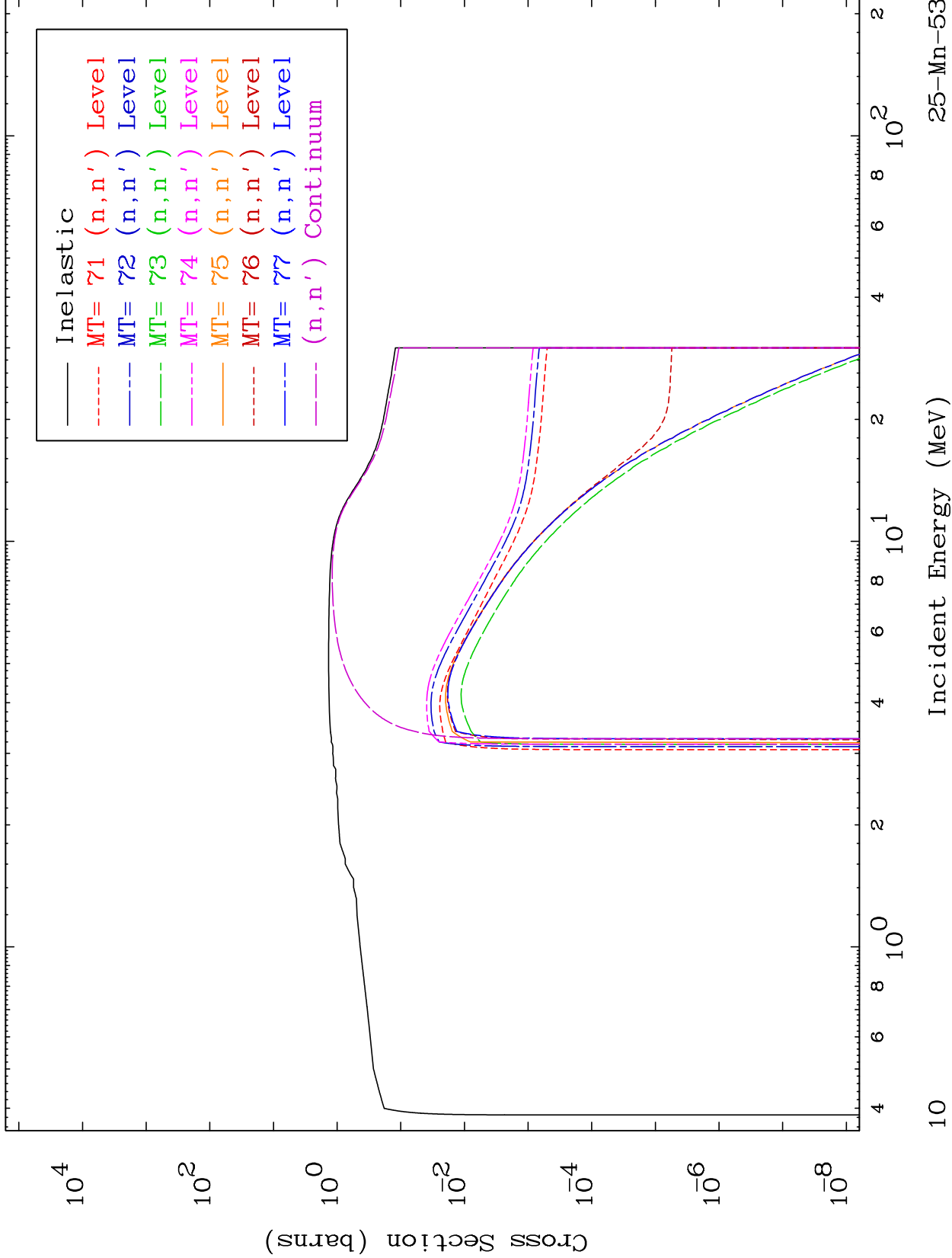
Incident Energy (MeV)

25-Mn-53

MAT 2519

(n,n') Levels  
293 Kelvin Cross Sections

25-Mn-53



25-Mn-53

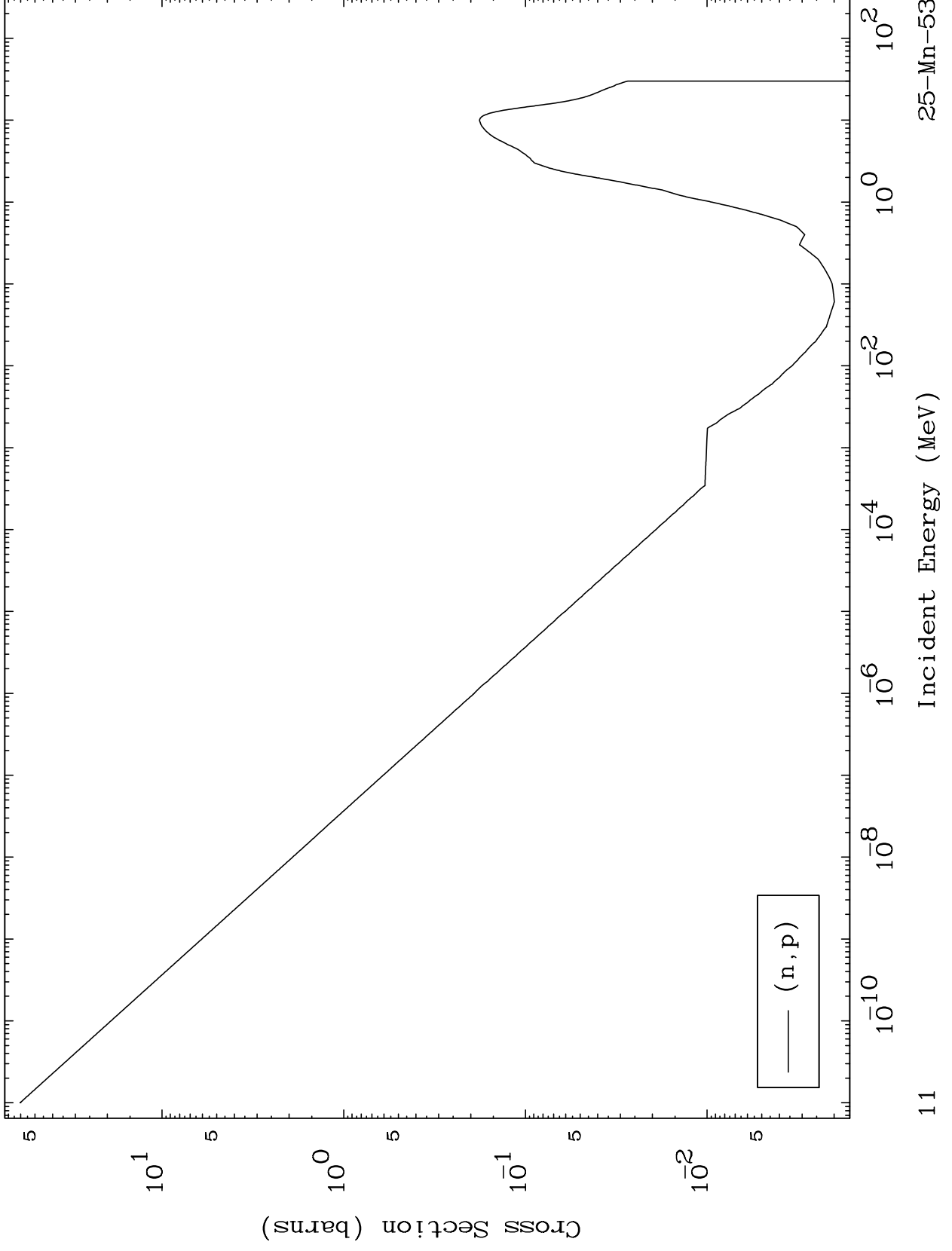
Incident Energy (MeV)

10

MAT 2519

(n,p) Levels  
293 Kelvin Cross Sections

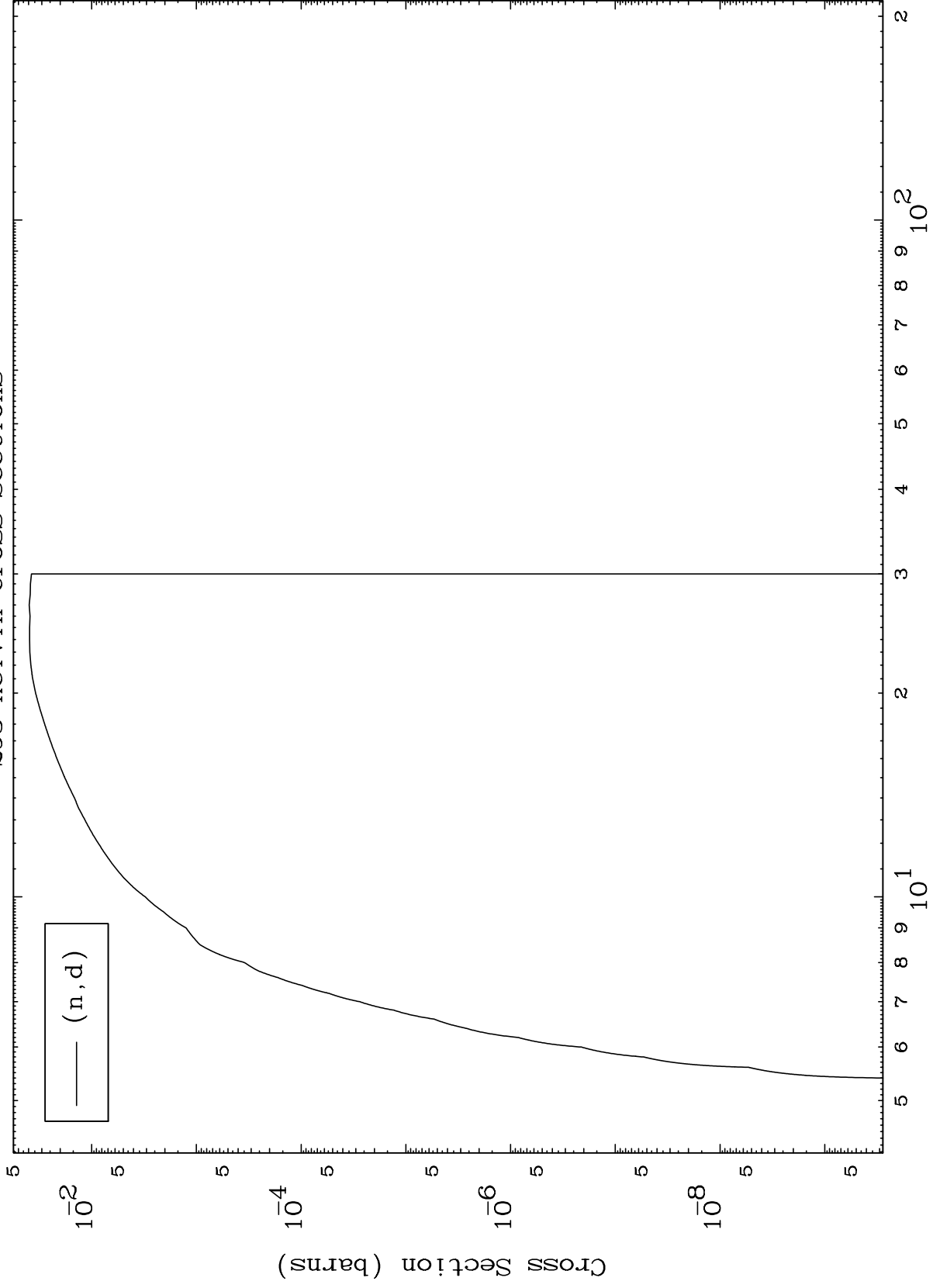
25-Mn-53



MAT 2519

(n,d) Levels  
293 Kelvin Cross Sections

25-Mn-53



12

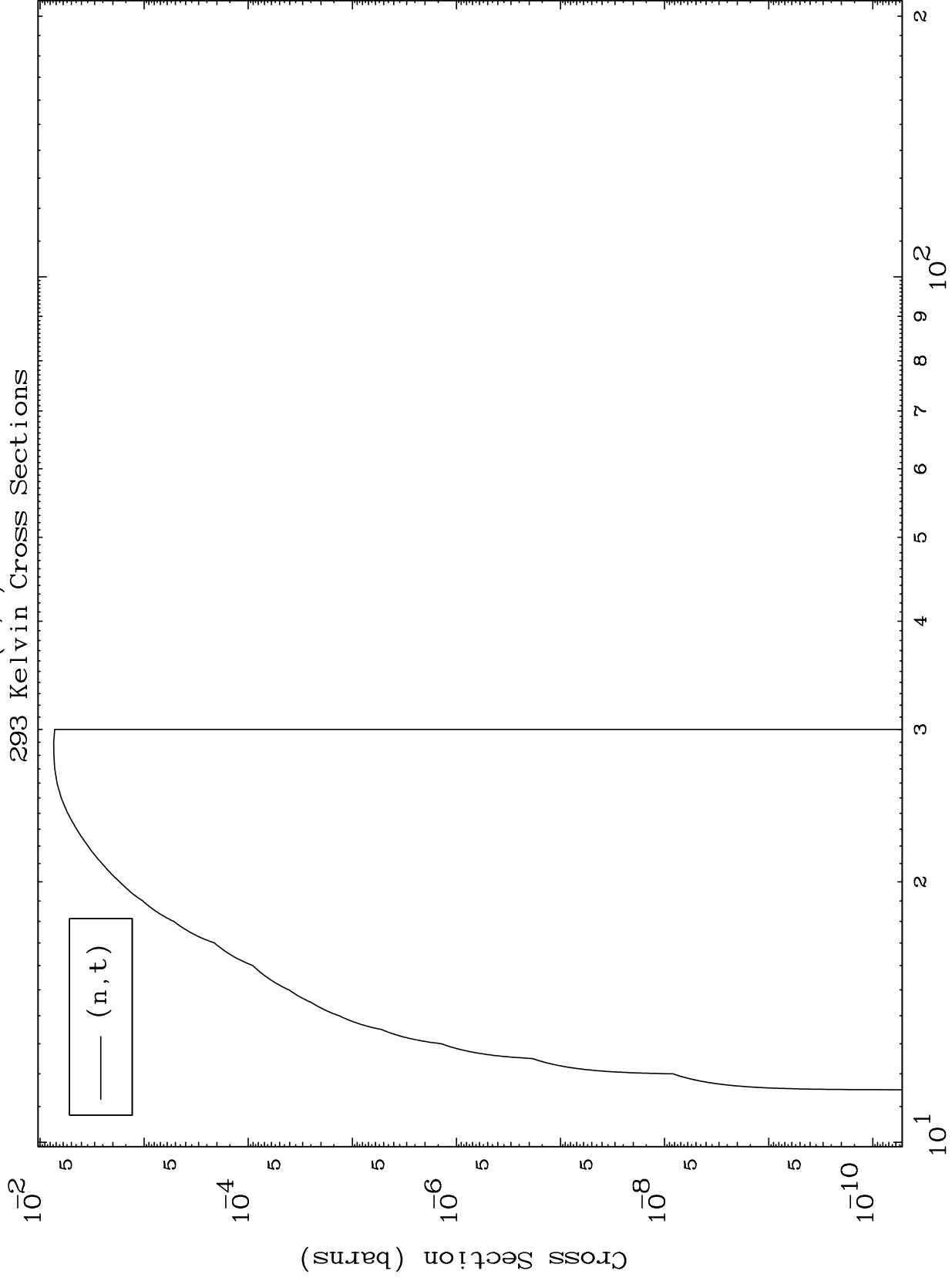
Incident Energy (MeV)

25-Mn-53

MAT 2519

(n,t) Levels  
293 Kelvin Cross Sections

25-Mn-53



Incident Energy (MeV)

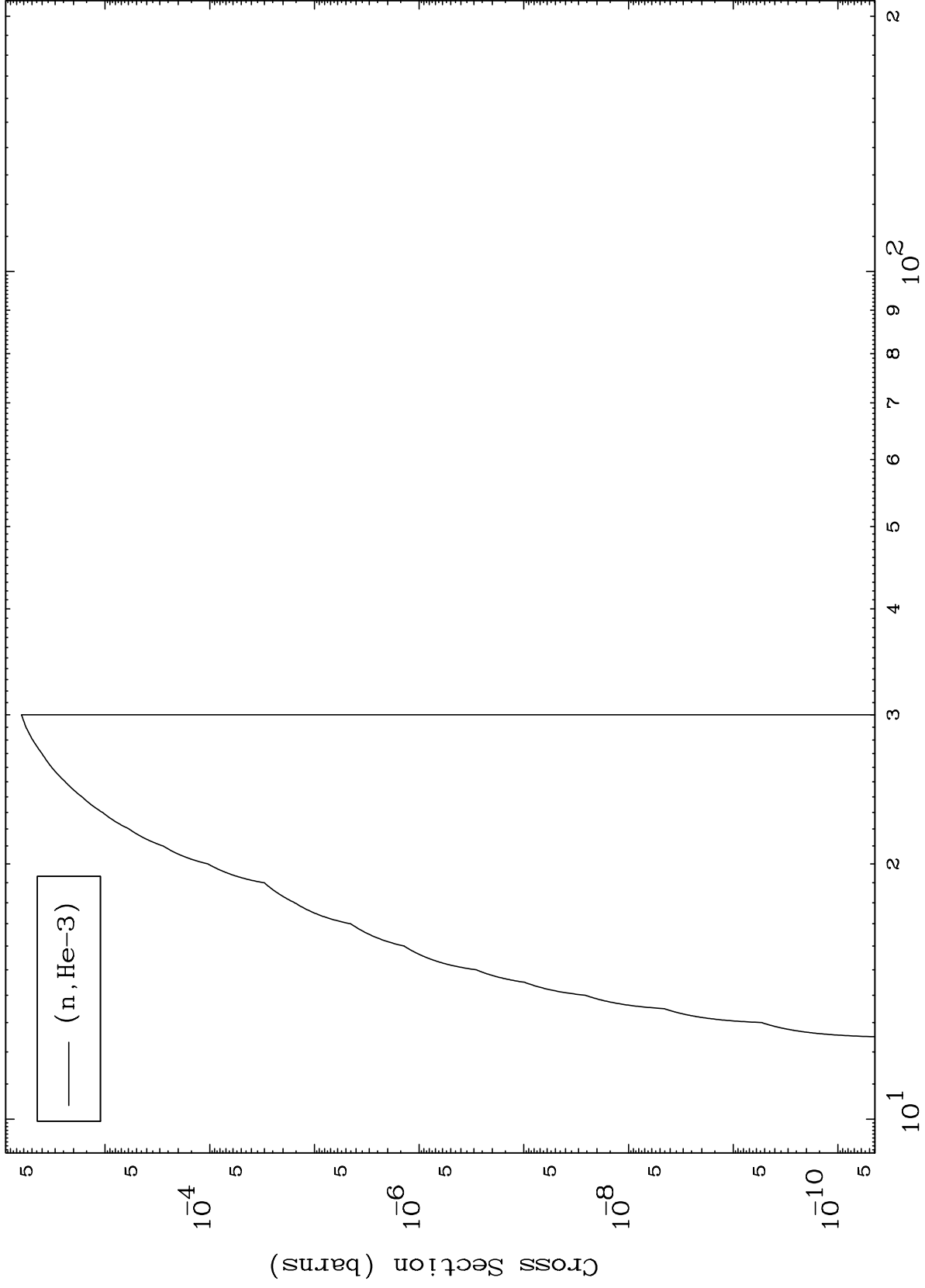
25-Mn-53

13

MAT 2519

(n,He3) Levels  
293 Kelvin Cross Sections

25-Mn-53



14

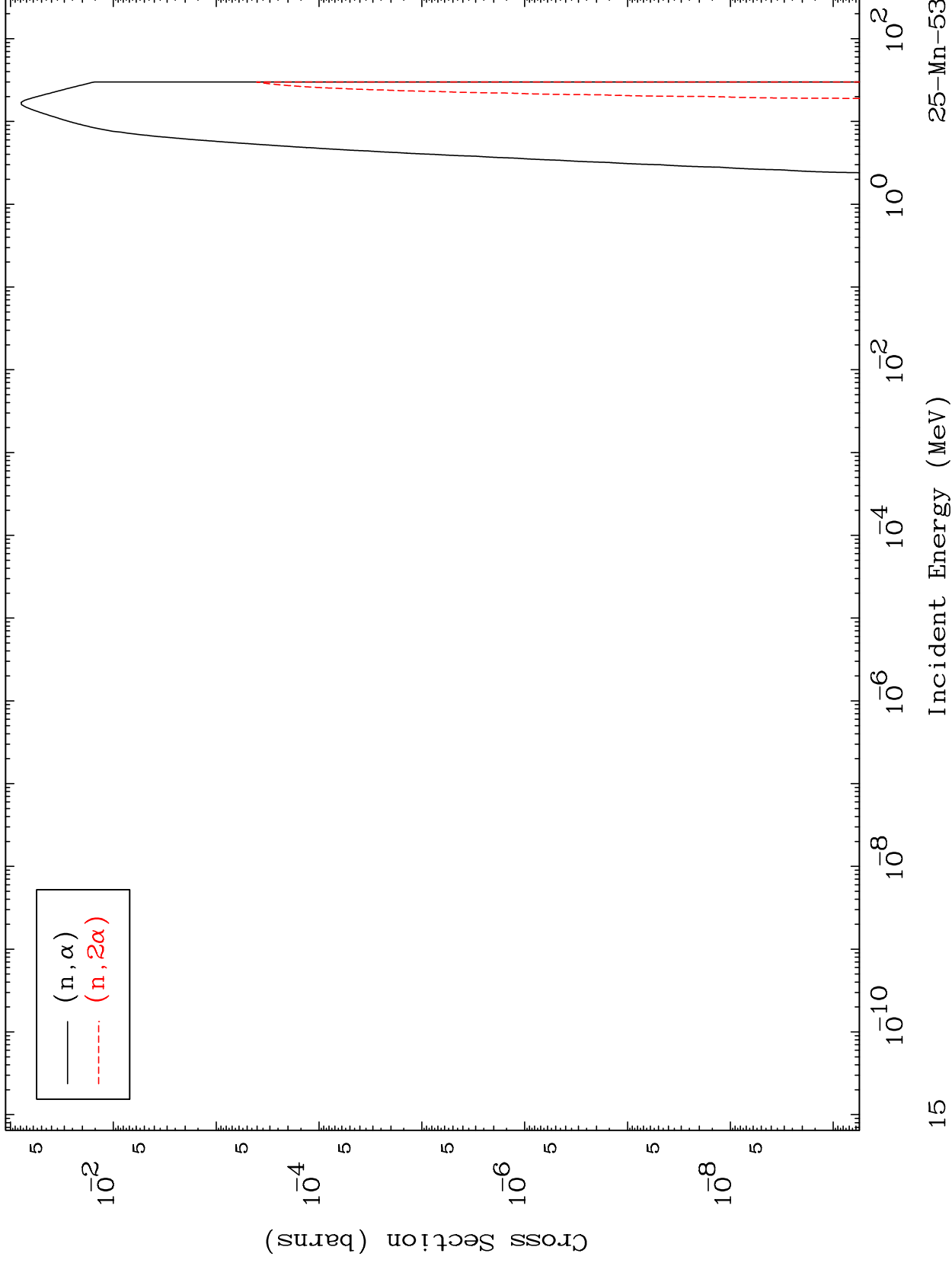
Incident Energy (MeV)

25-Mn-53

MAT 2519

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

25-Mn-53



15

Incident Energy (MeV)

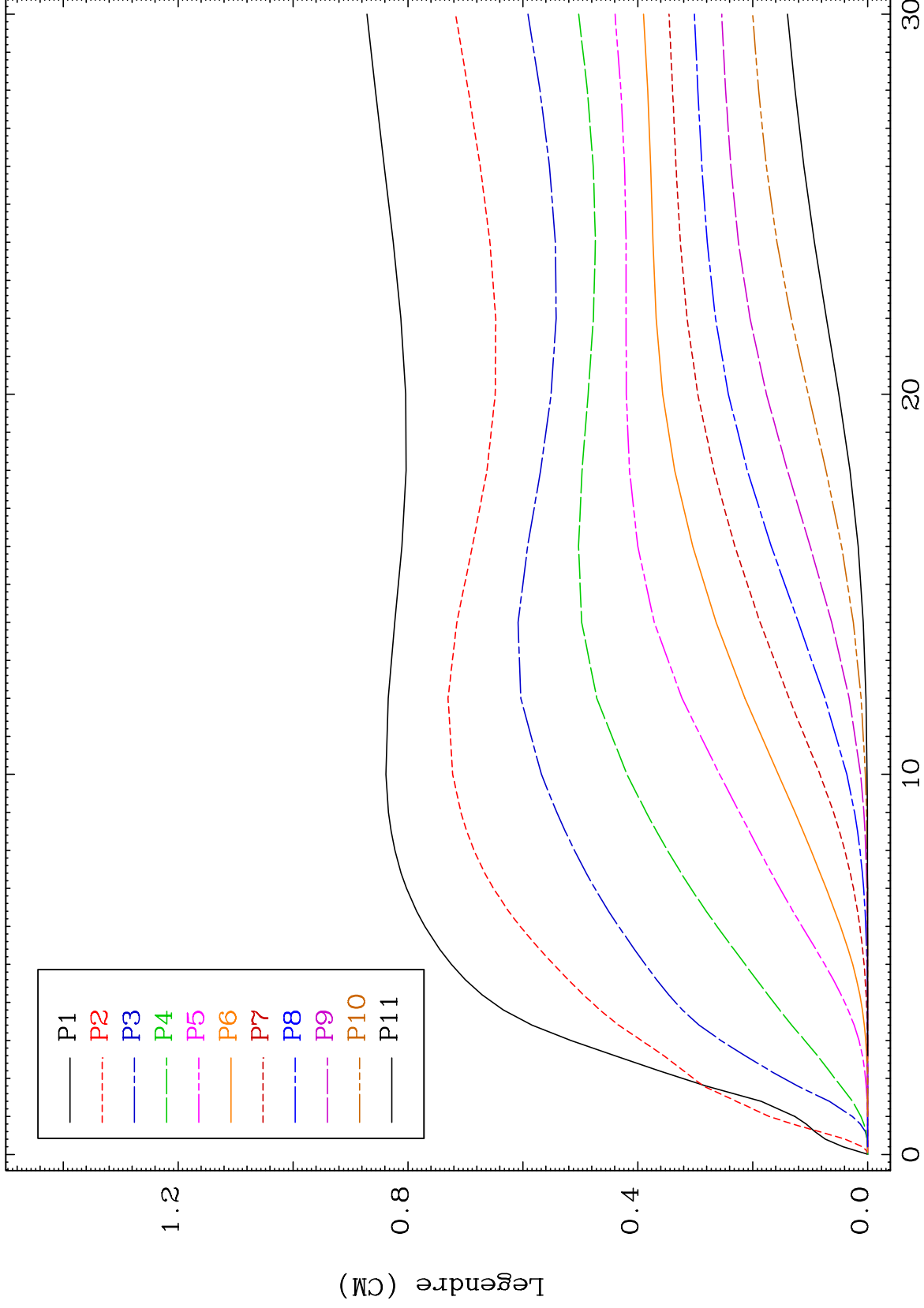
25-Mn-53



MAT 2519

Elastic Legendre Coefficients

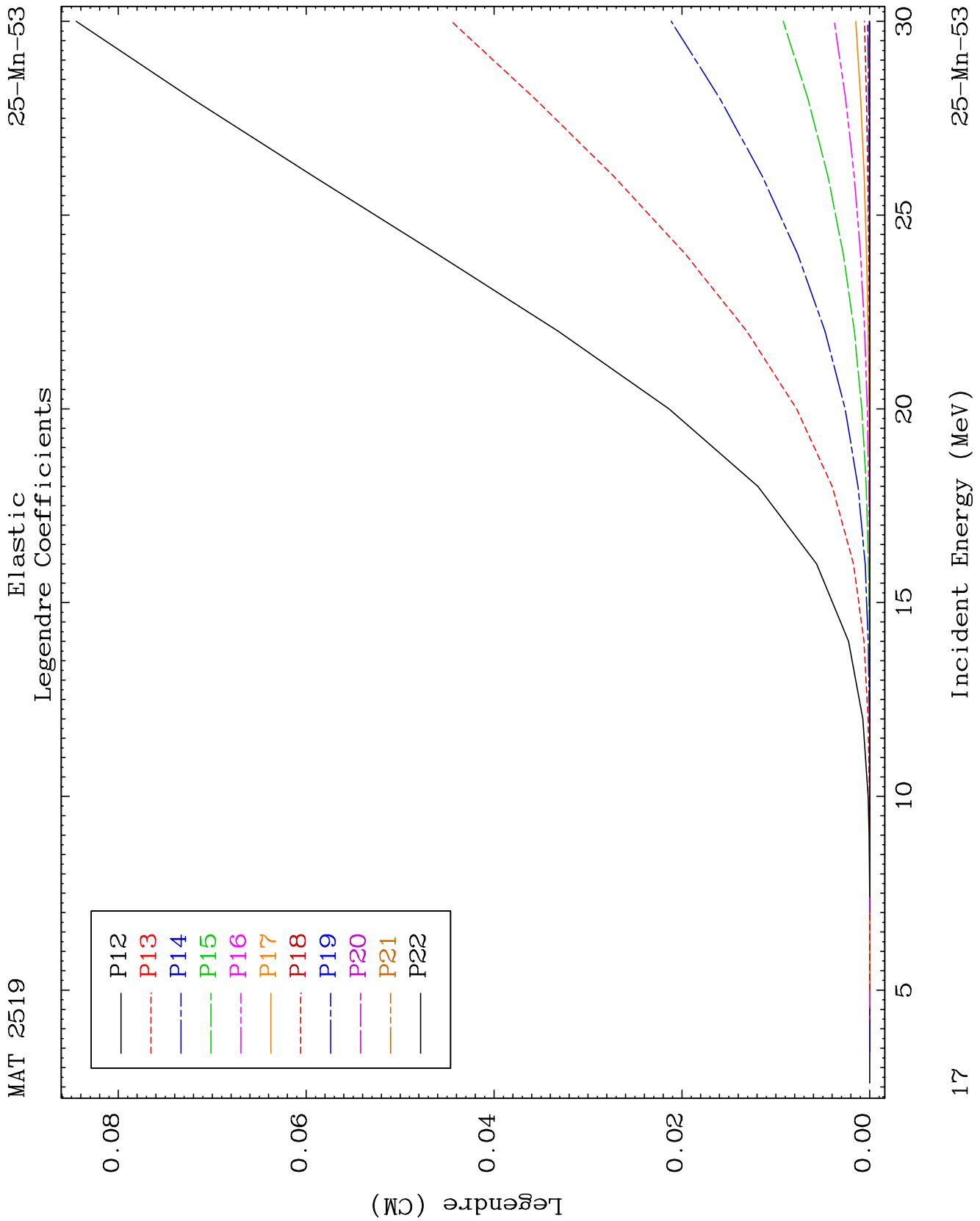
25-Mn-53



16

Incident Energy (MeV)

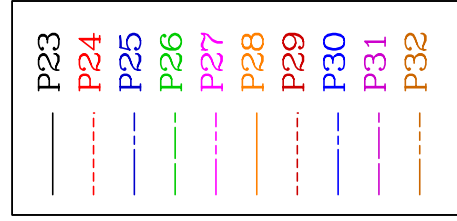
25-Mn-53



MAT 2519

Elastic  
Legendre Coefficients

25-Mn-53



$\times 10^{-6}$   
2.0

1.5

1.0

0.5

0.0

10

15

20

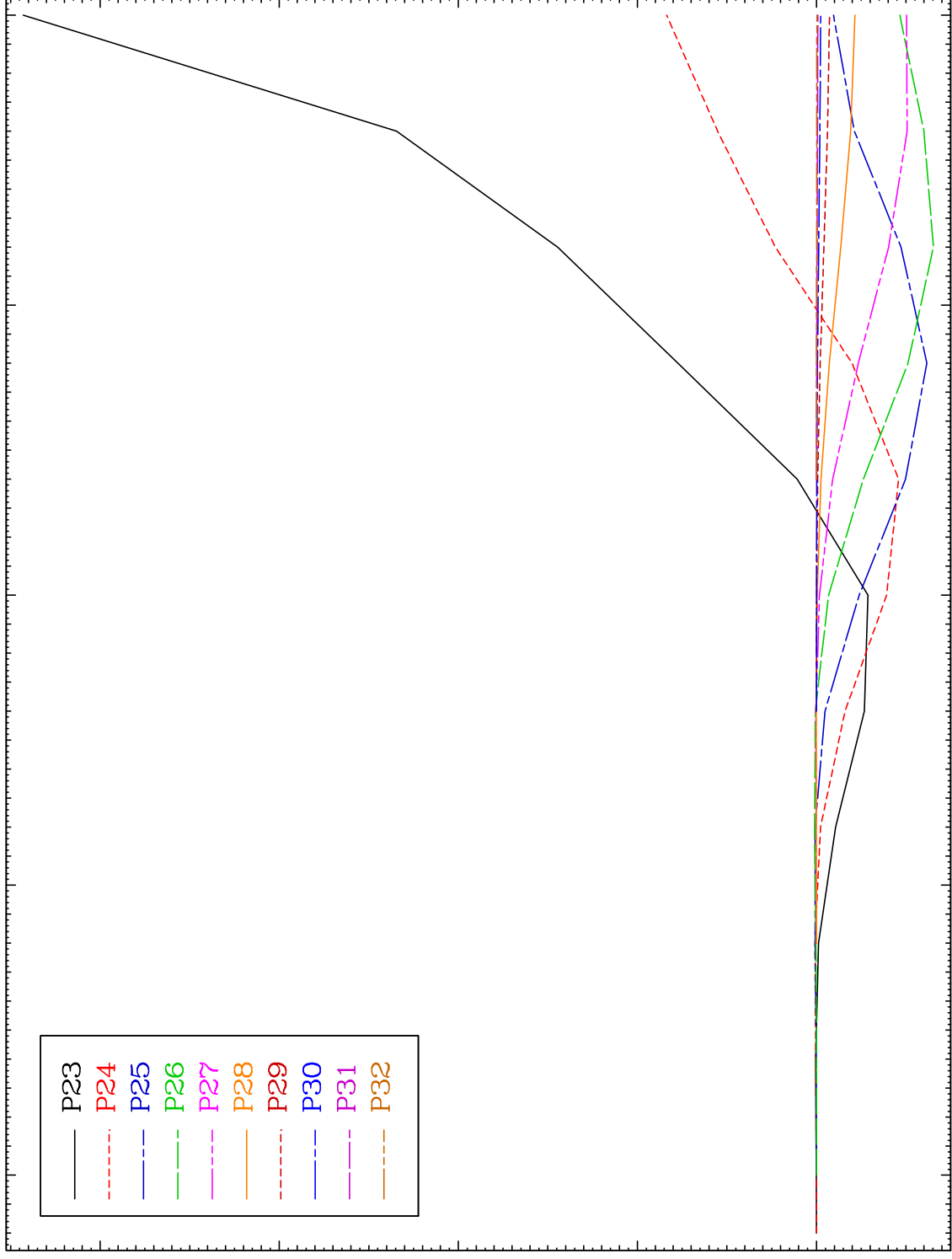
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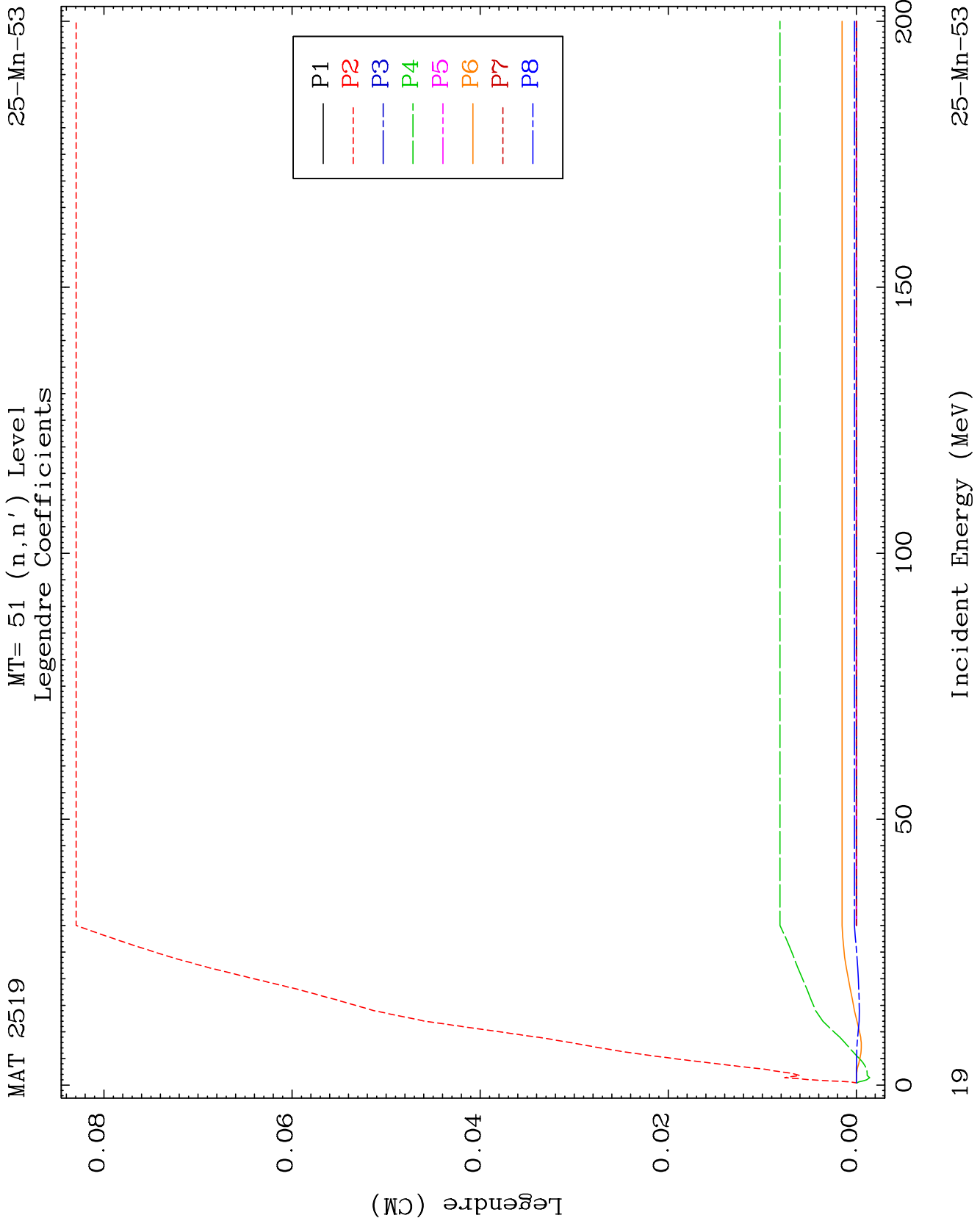
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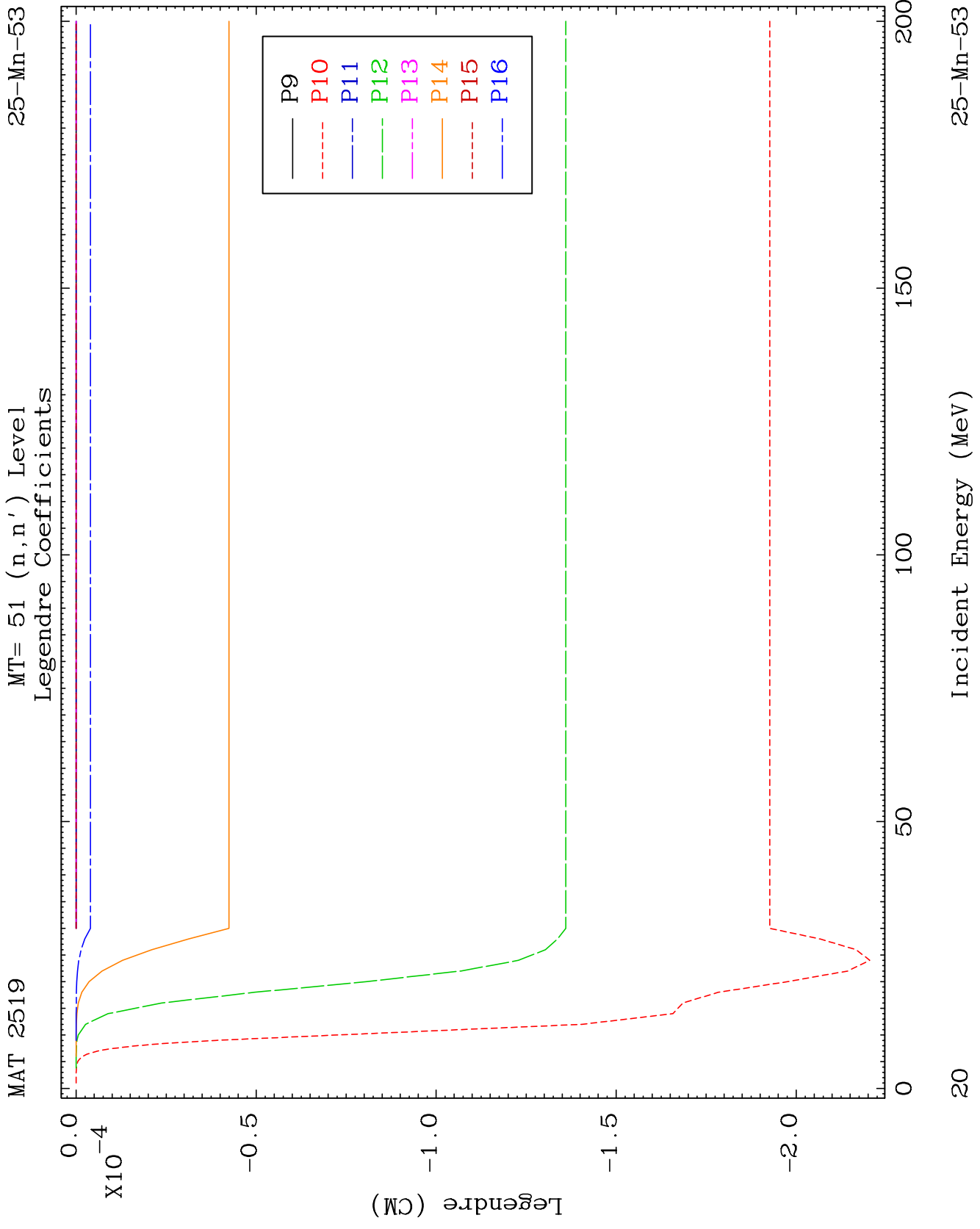
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Incident Energy (MeV)

25-Mn-53







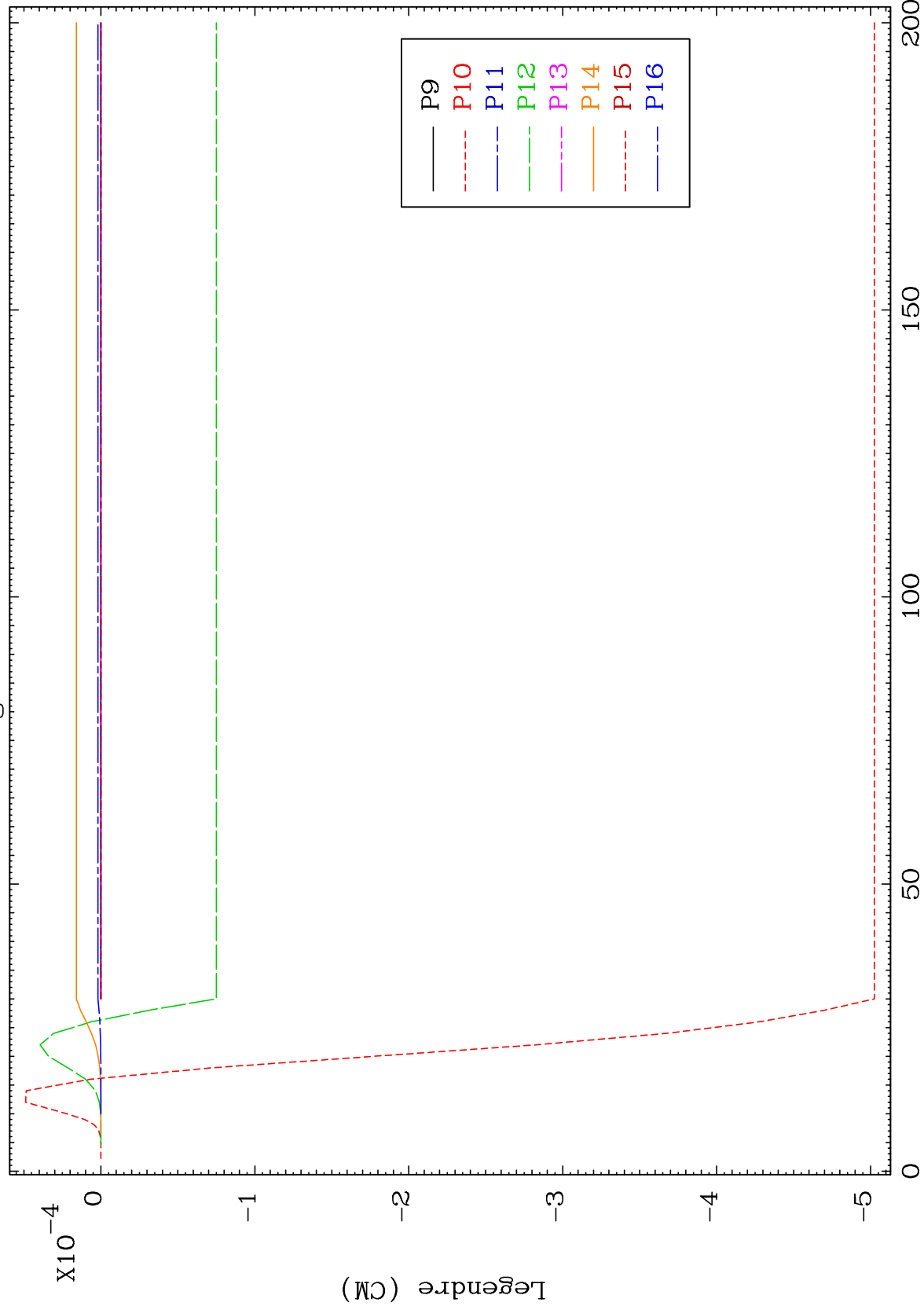




MAT 2519

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

25-Mn-53



23

Incident Energy (MeV)

25-Mn-53

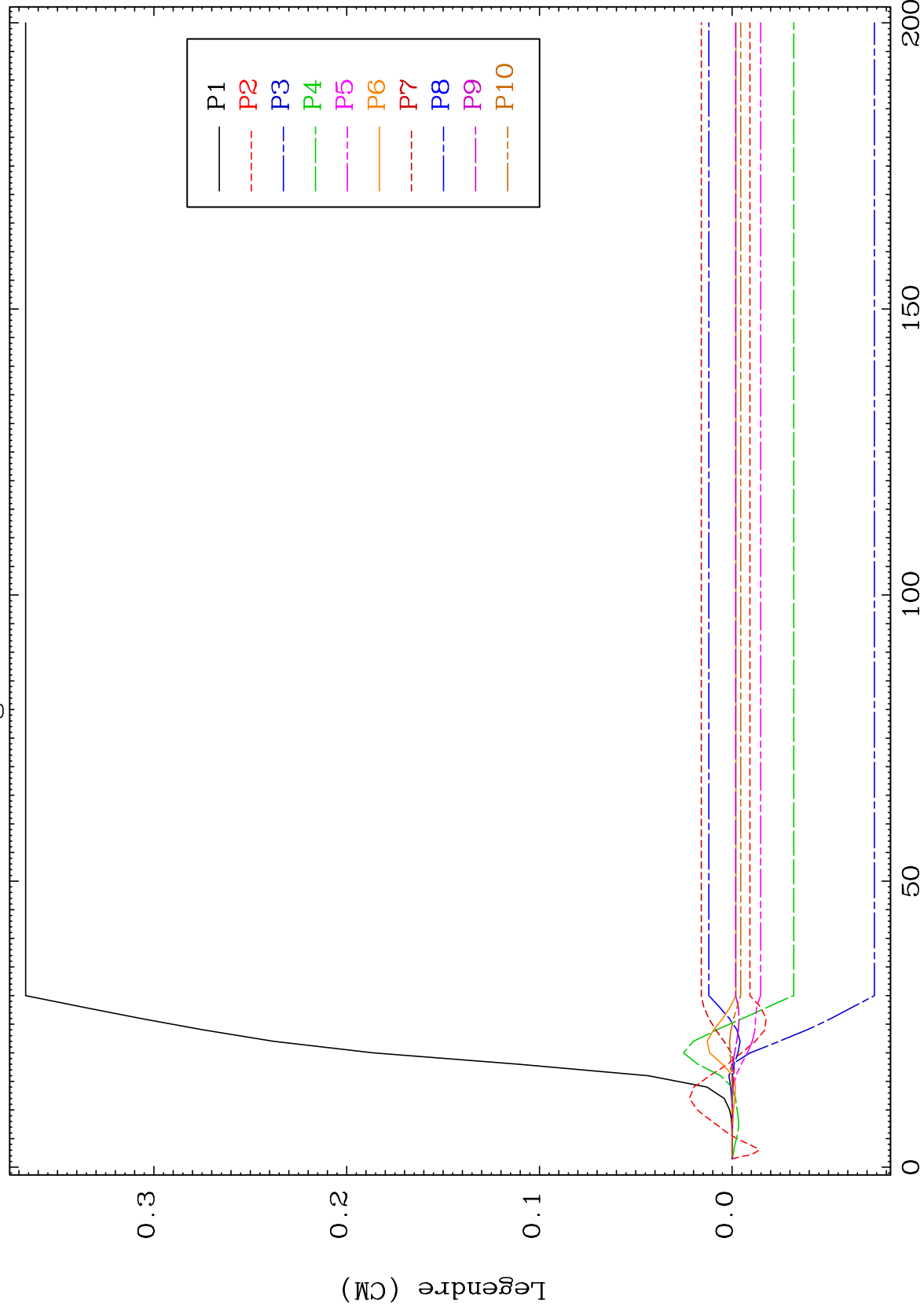




MAT 2519

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

25-Mn-53



25

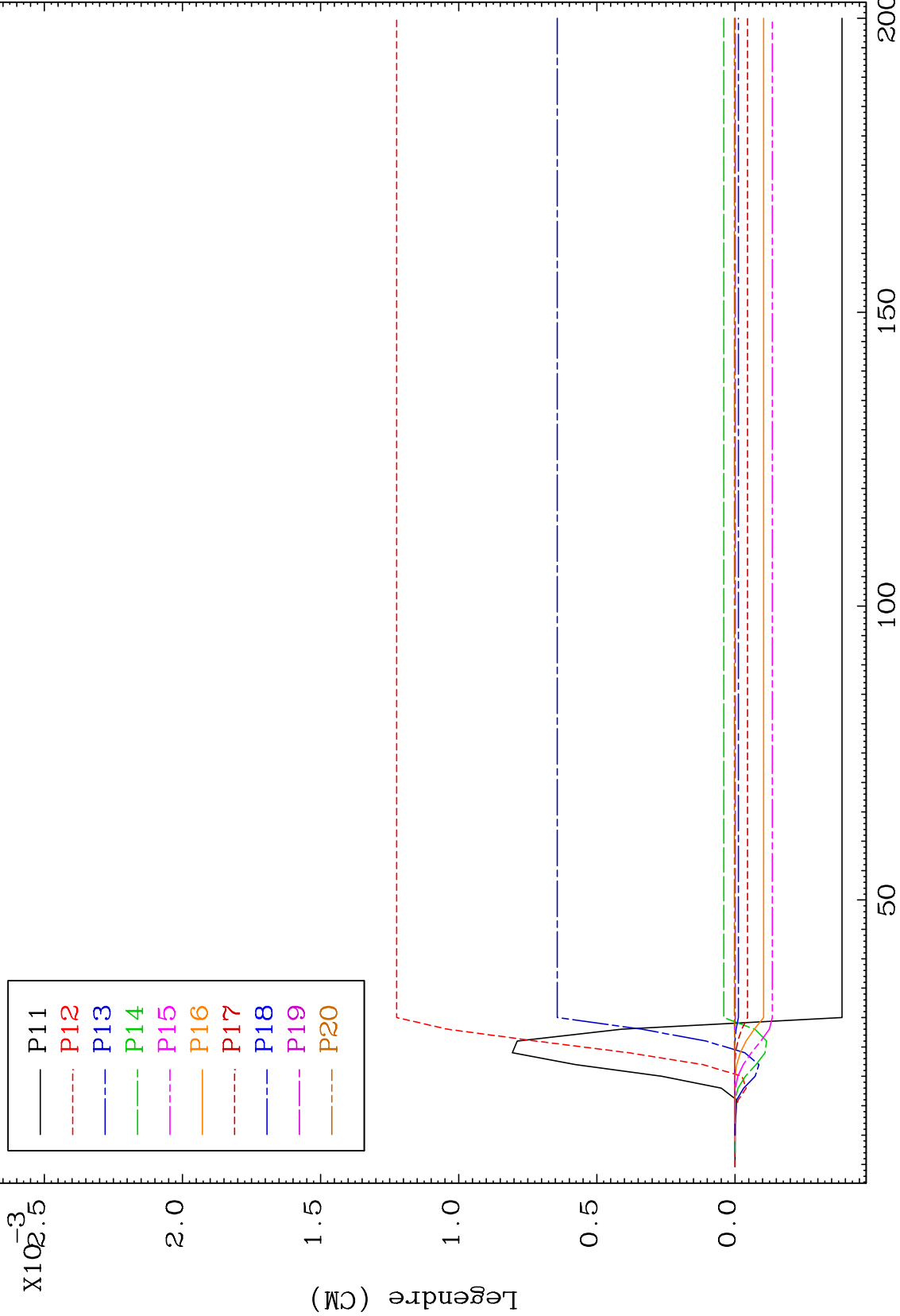
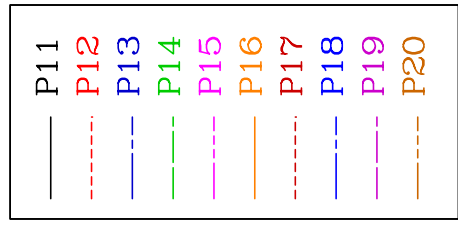
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

25-Mn-53



26

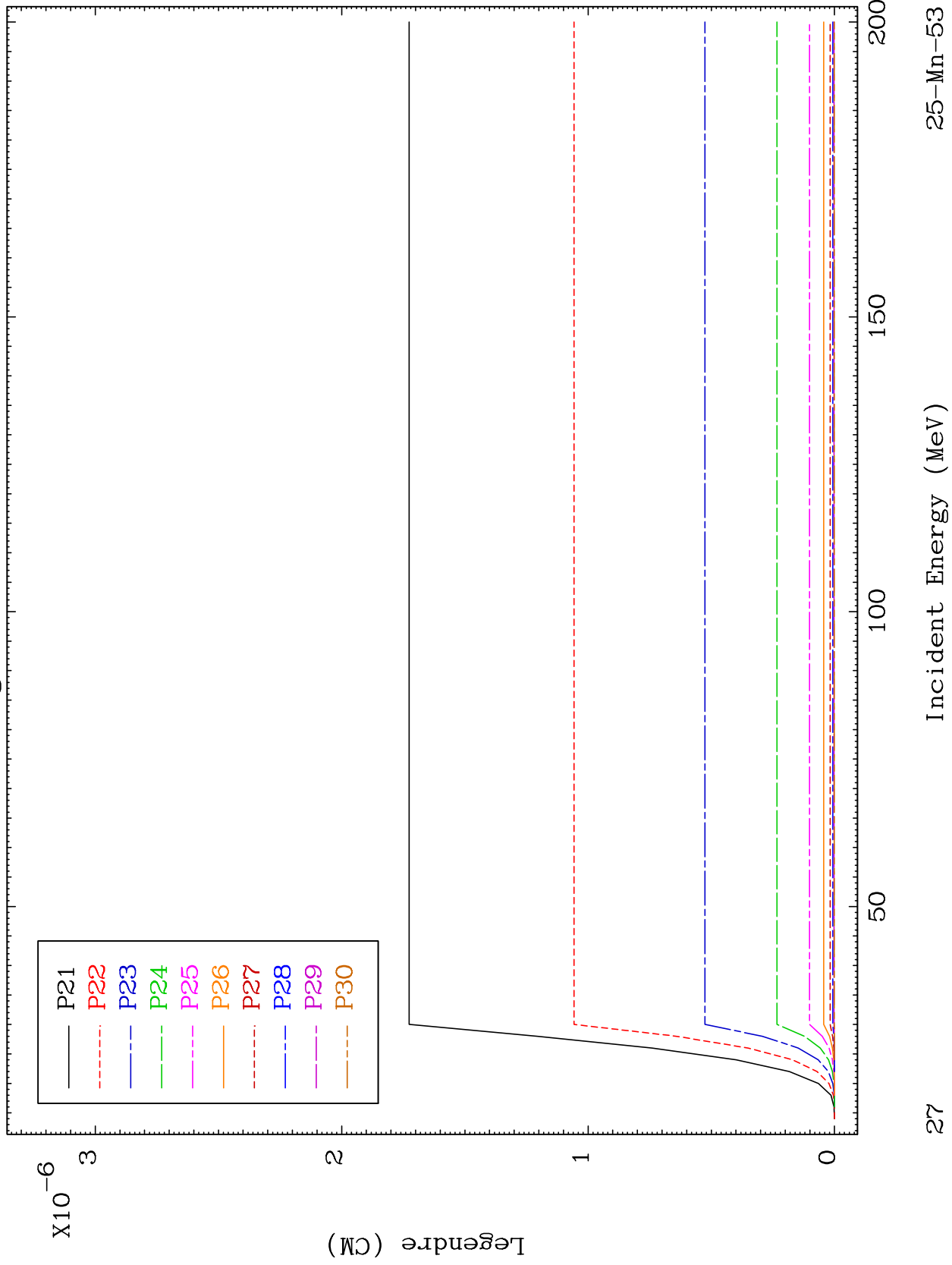
Incident Energy (MeV)

25-Mn-53

MAT 2519

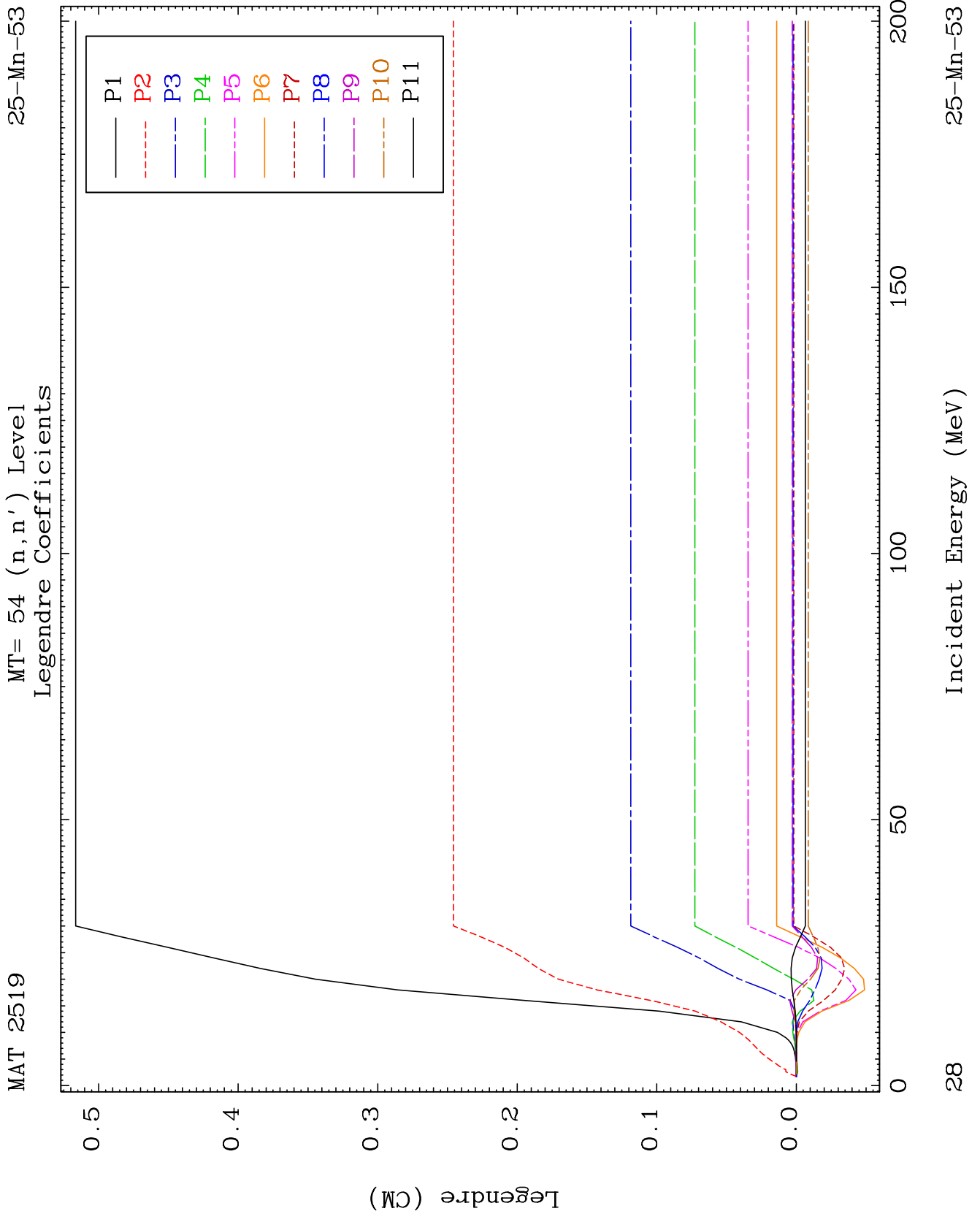
MT= 53 (n,n') Level  
Legendre Coefficients

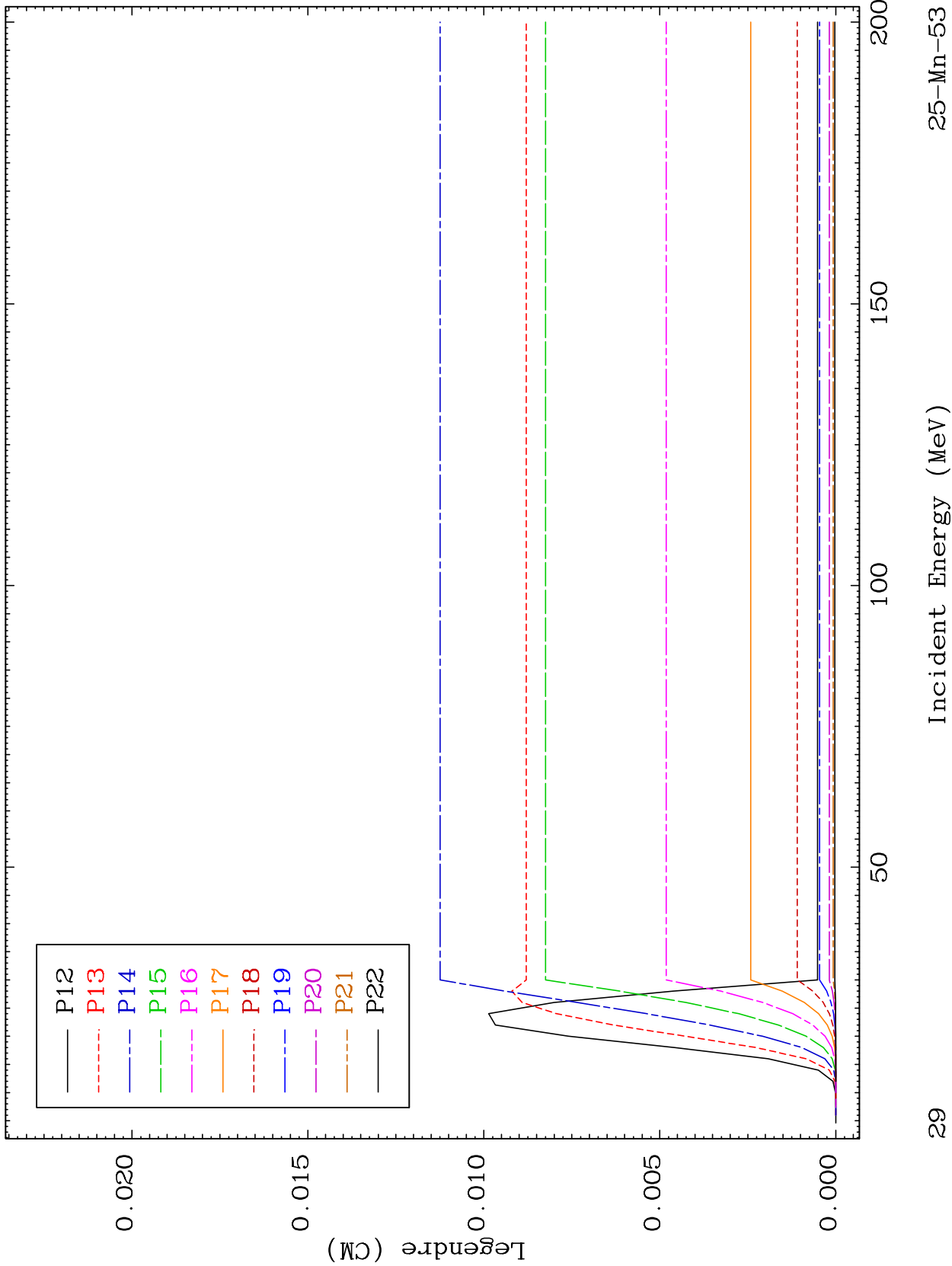
25-Mn-53

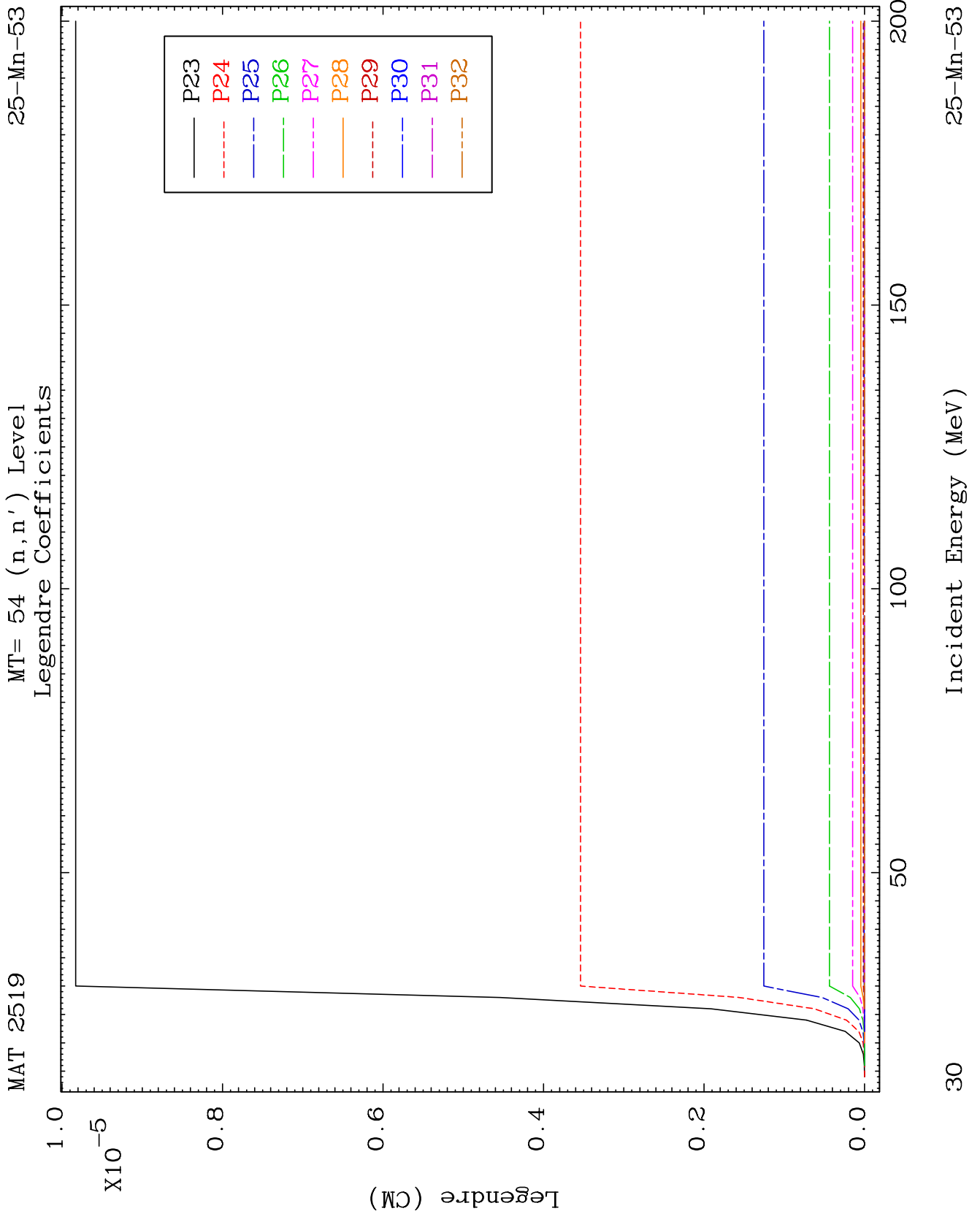


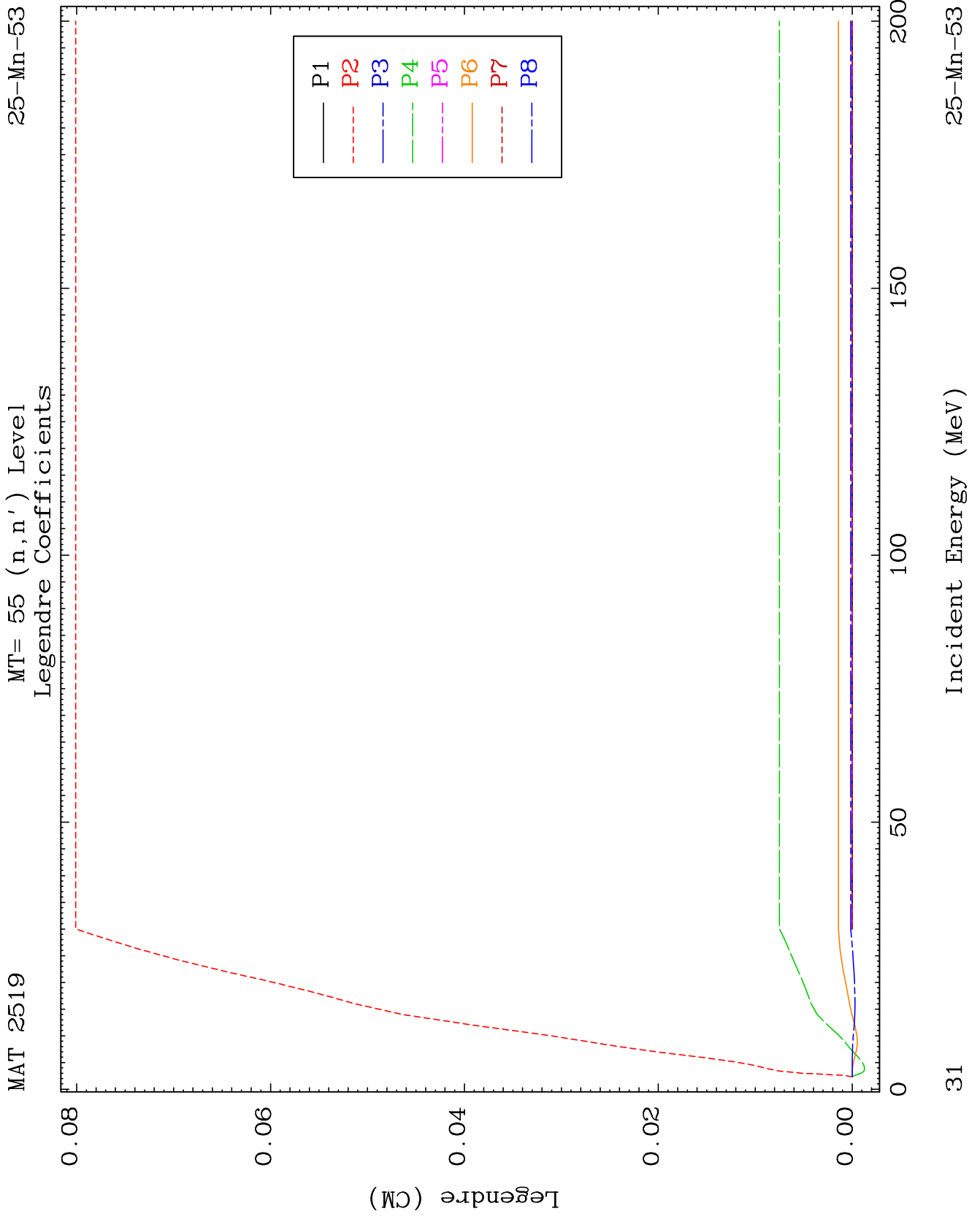
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25-Mn-53

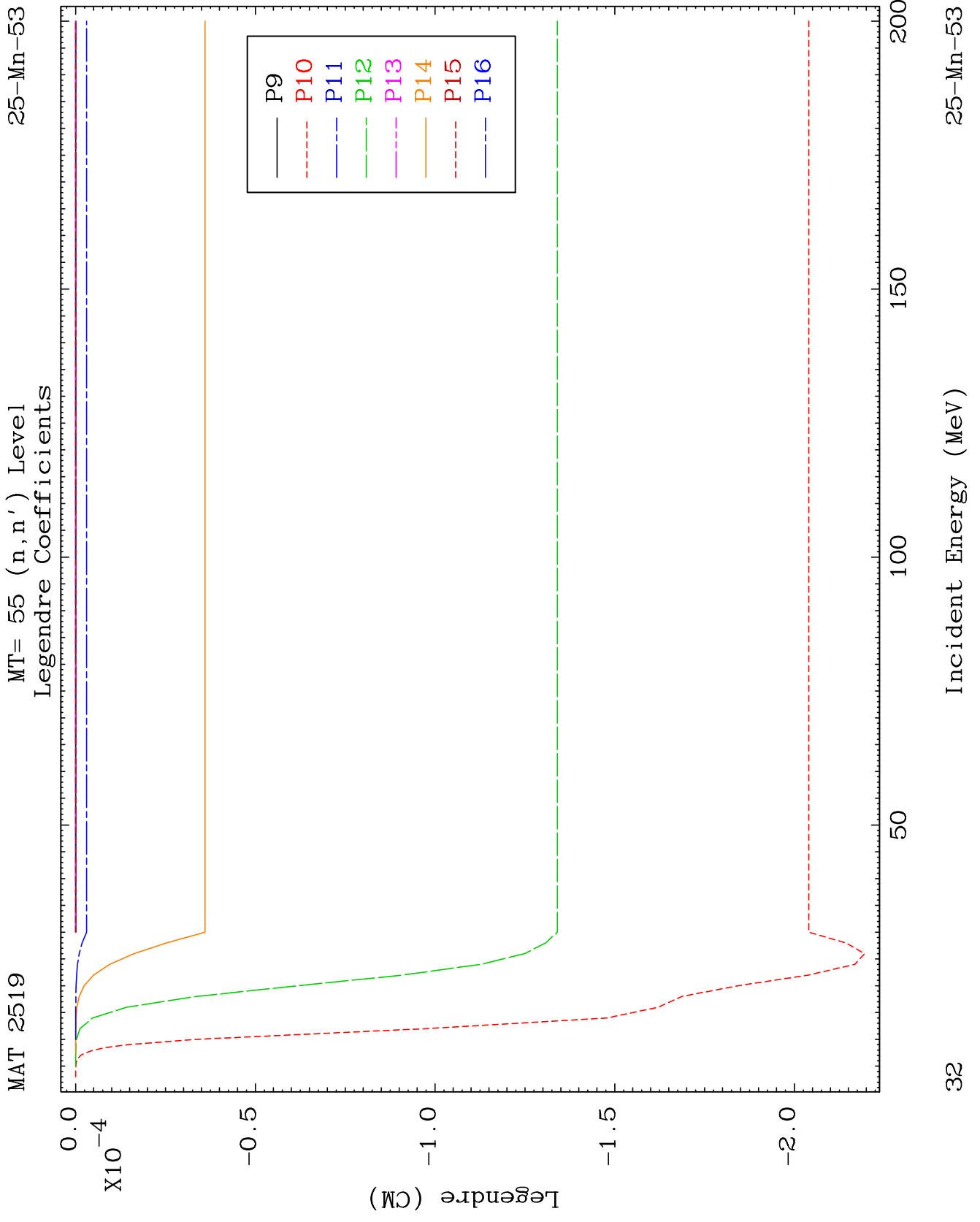


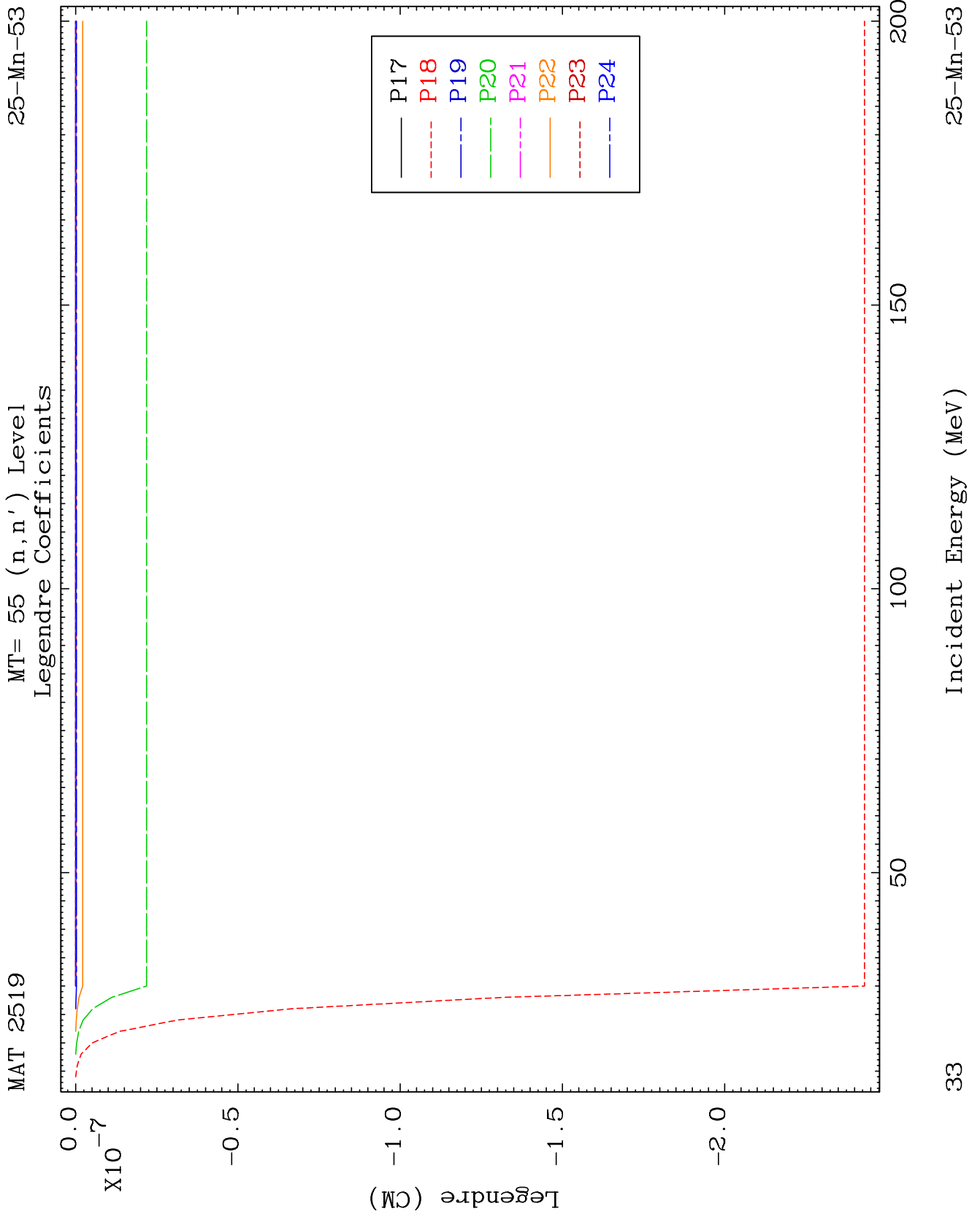










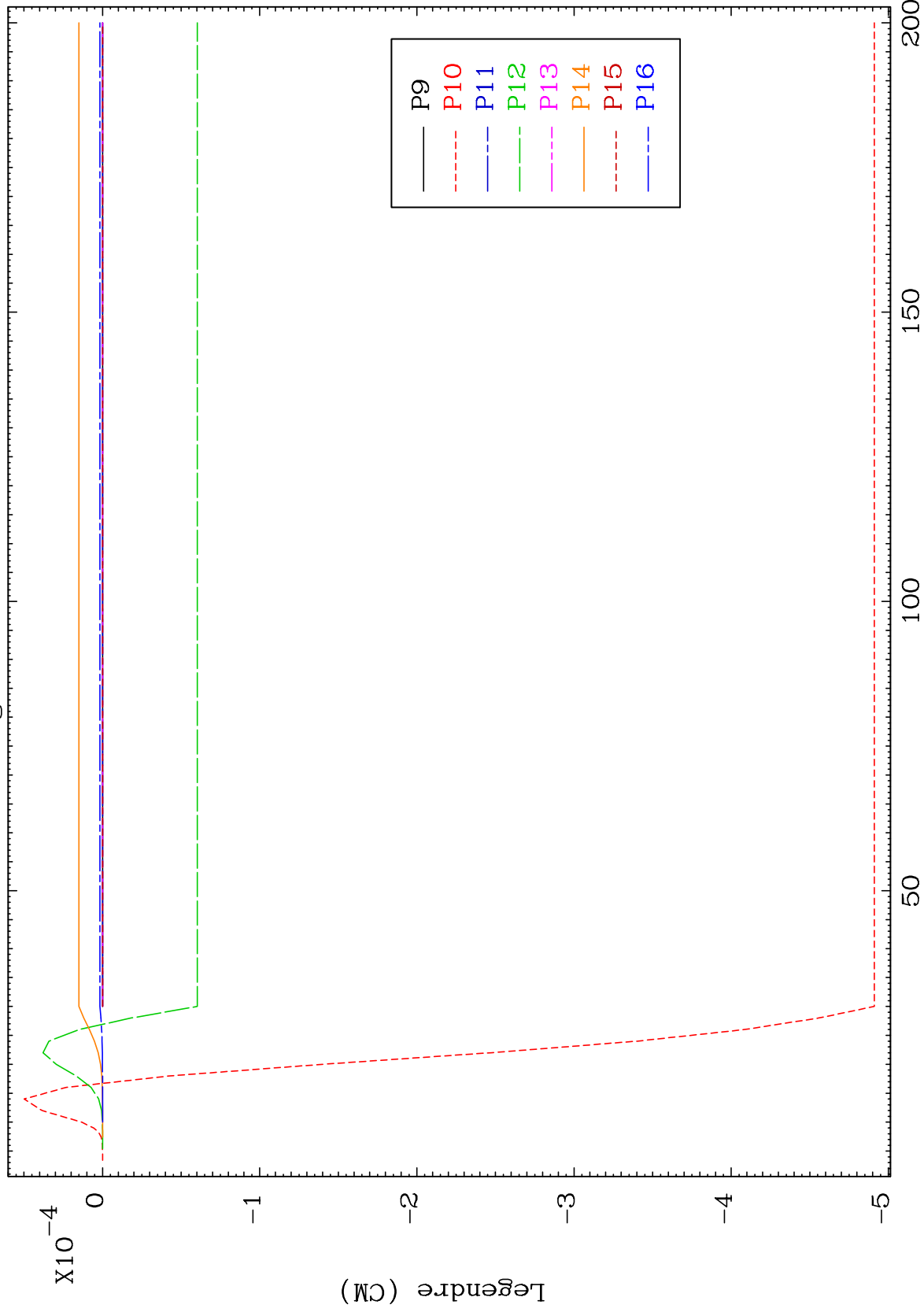




MAT 2519

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

25-Mn-53



35

Incident Energy (MeV)

25-Mn-53

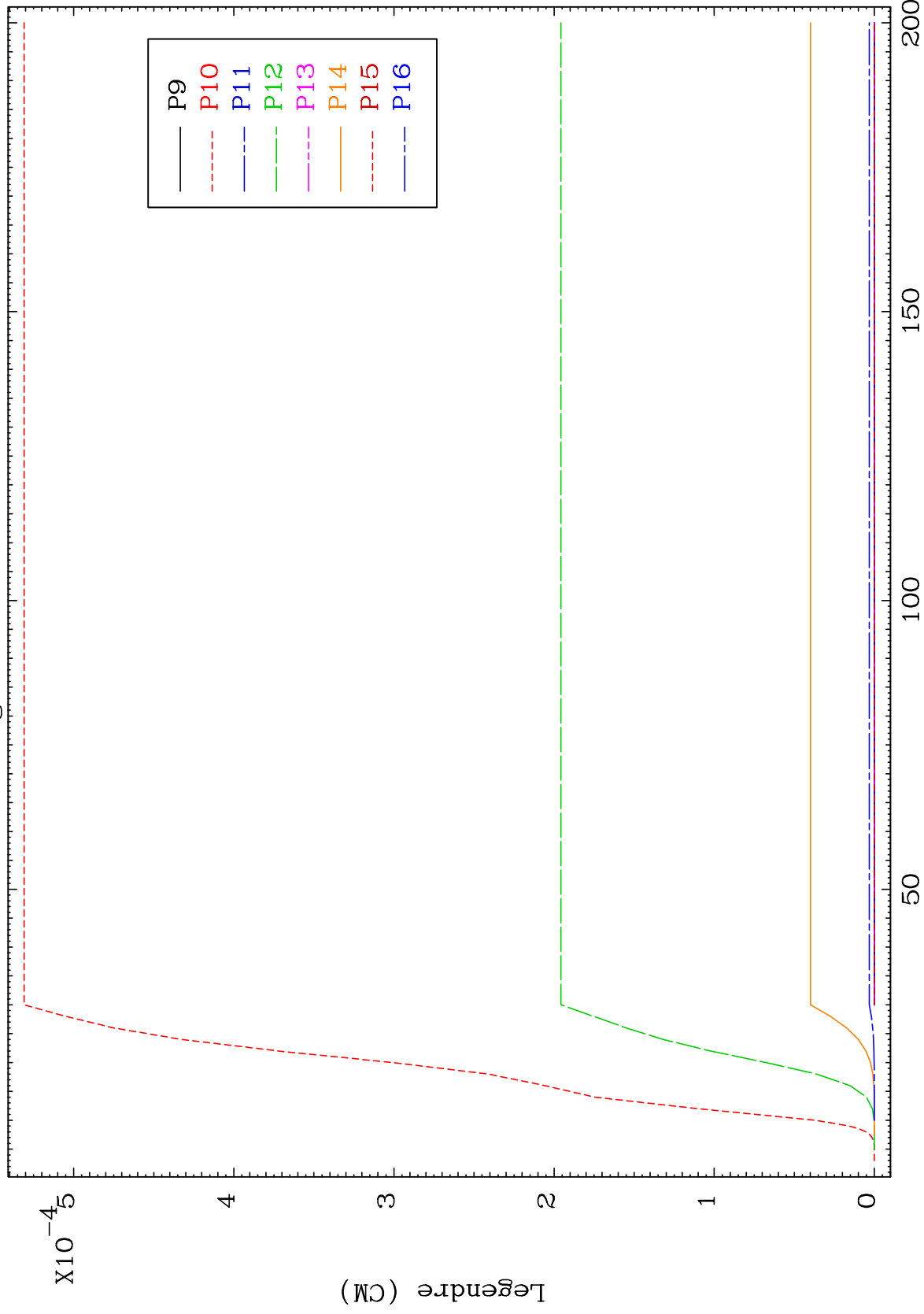




MAT 2519

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

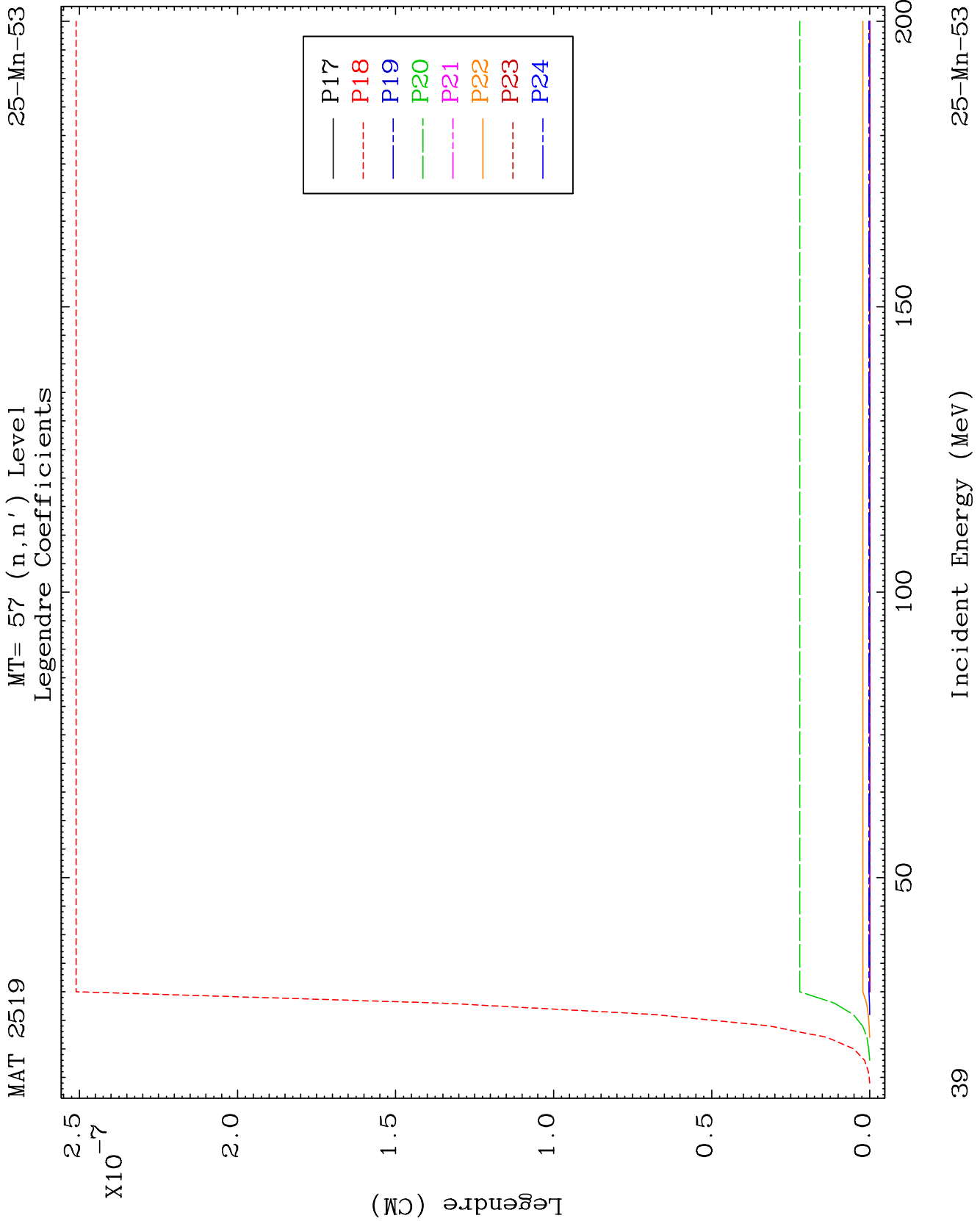
25-Mn-53



38

Incident Energy (MeV)

25-Mn-53

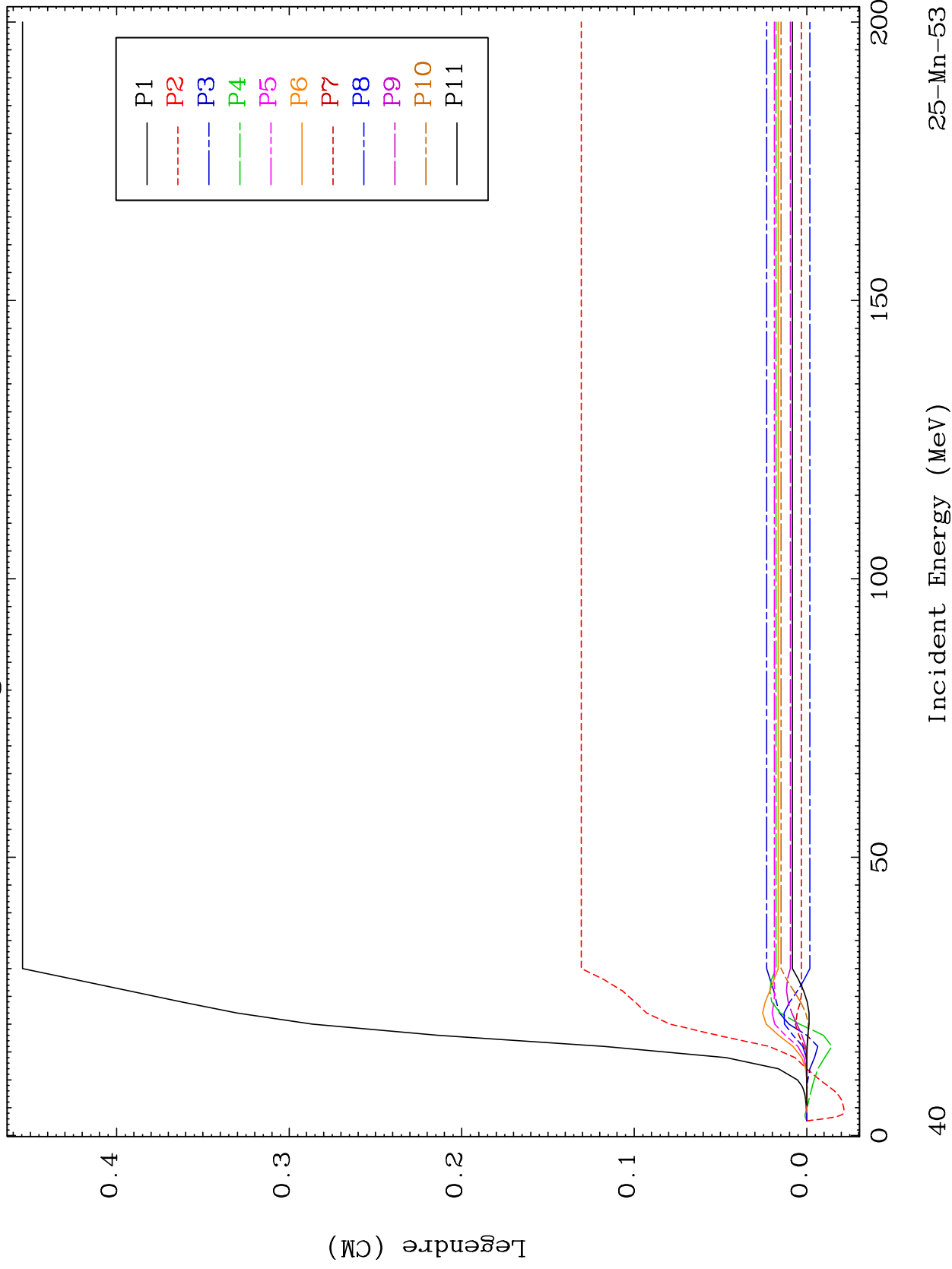




MAT 2519

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

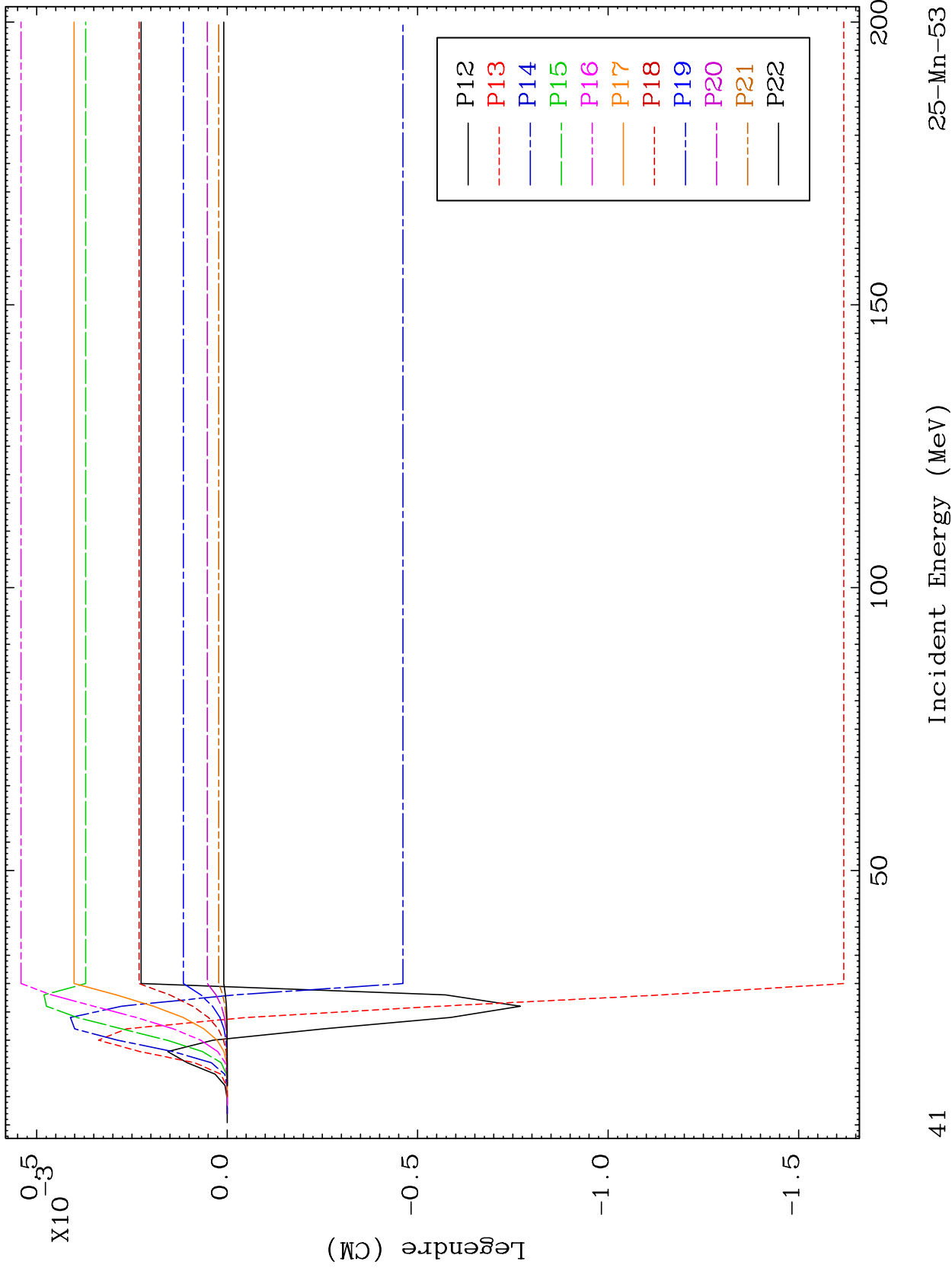
25-Mn-53



25-Mn-53

Incident Energy (MeV)

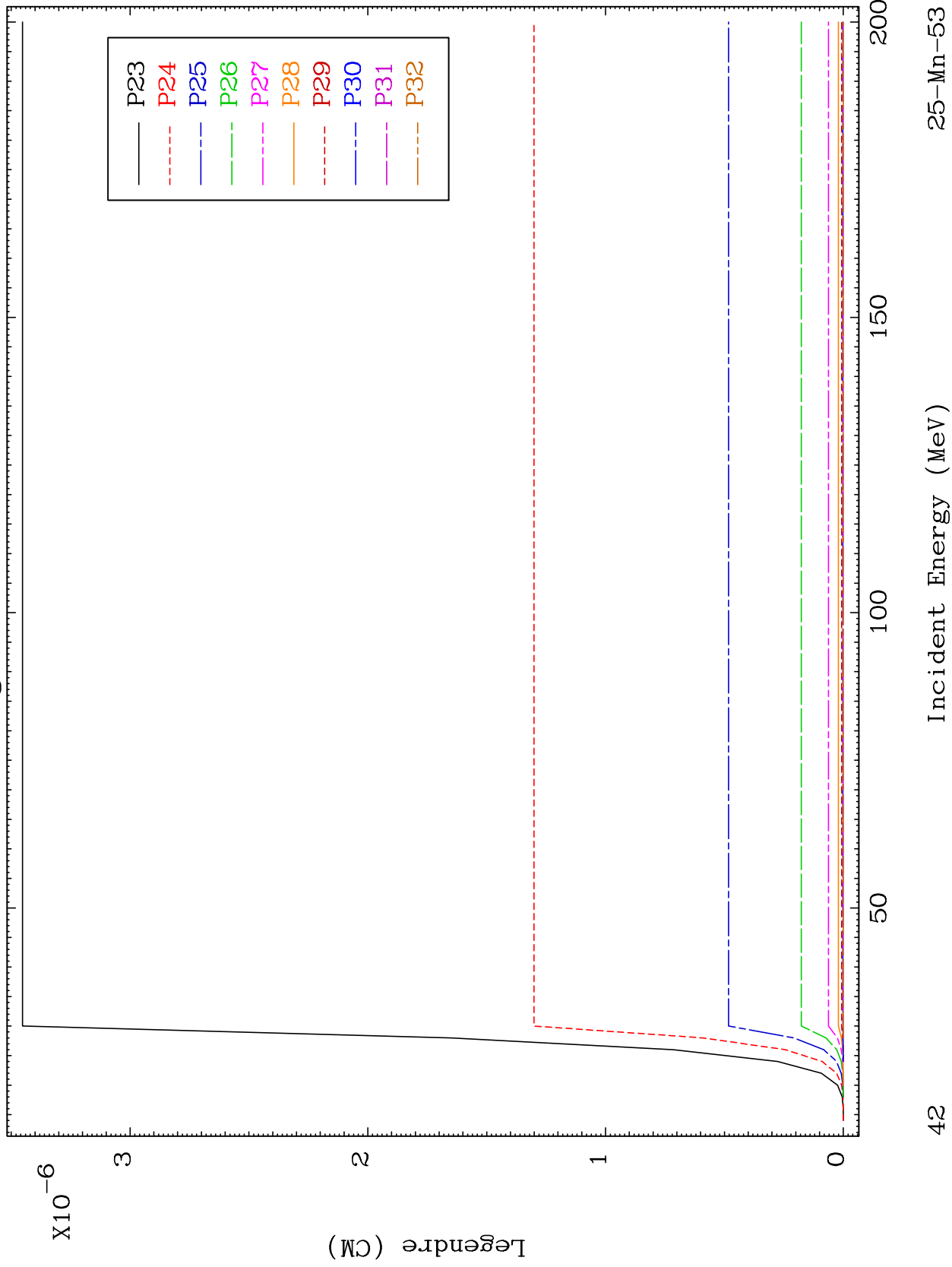
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MAT 2519

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

25-Mn-53



42

Incident Energy (MeV)

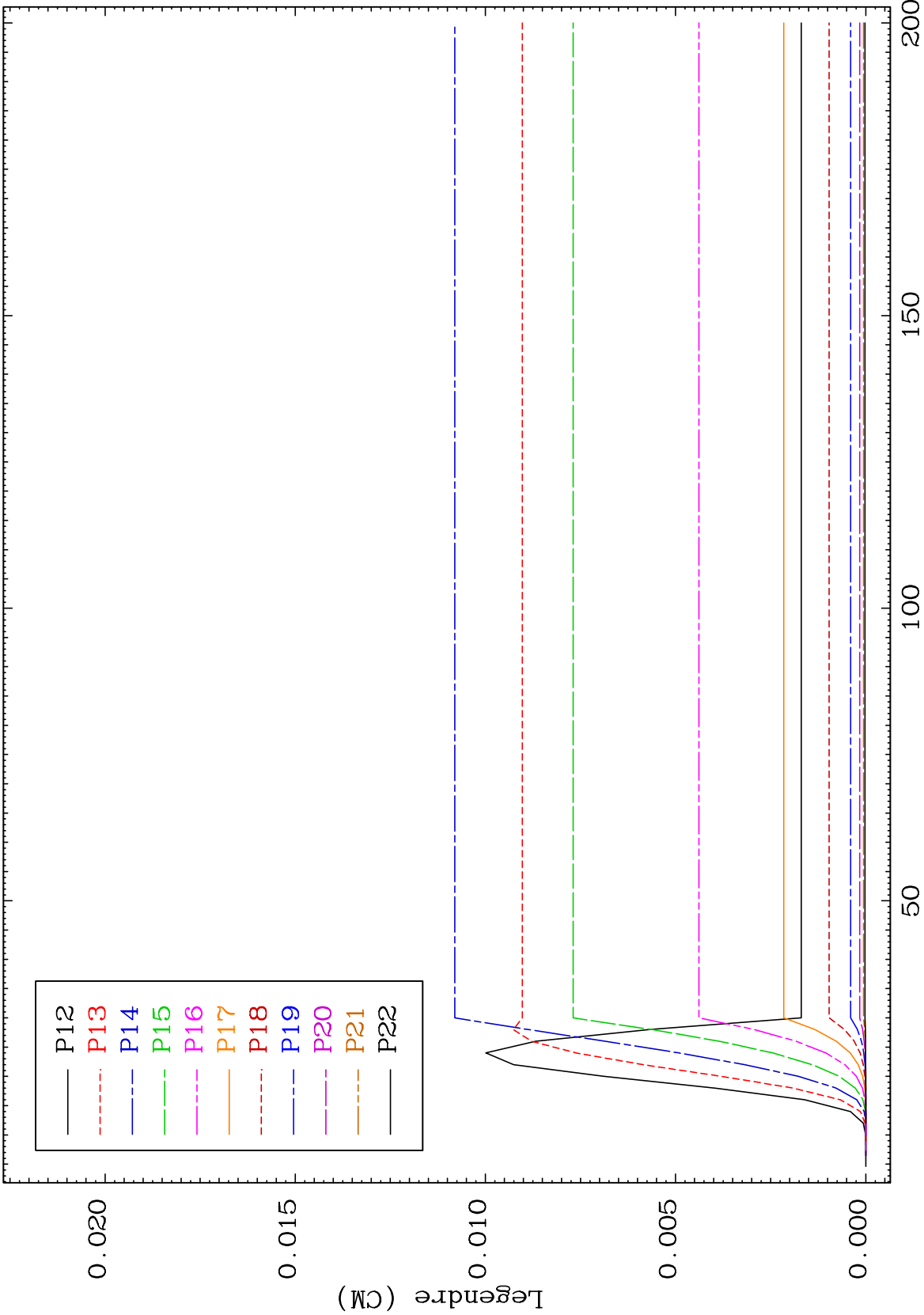
25-Mn-53



MAT 2519

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

25-Mn-53



44

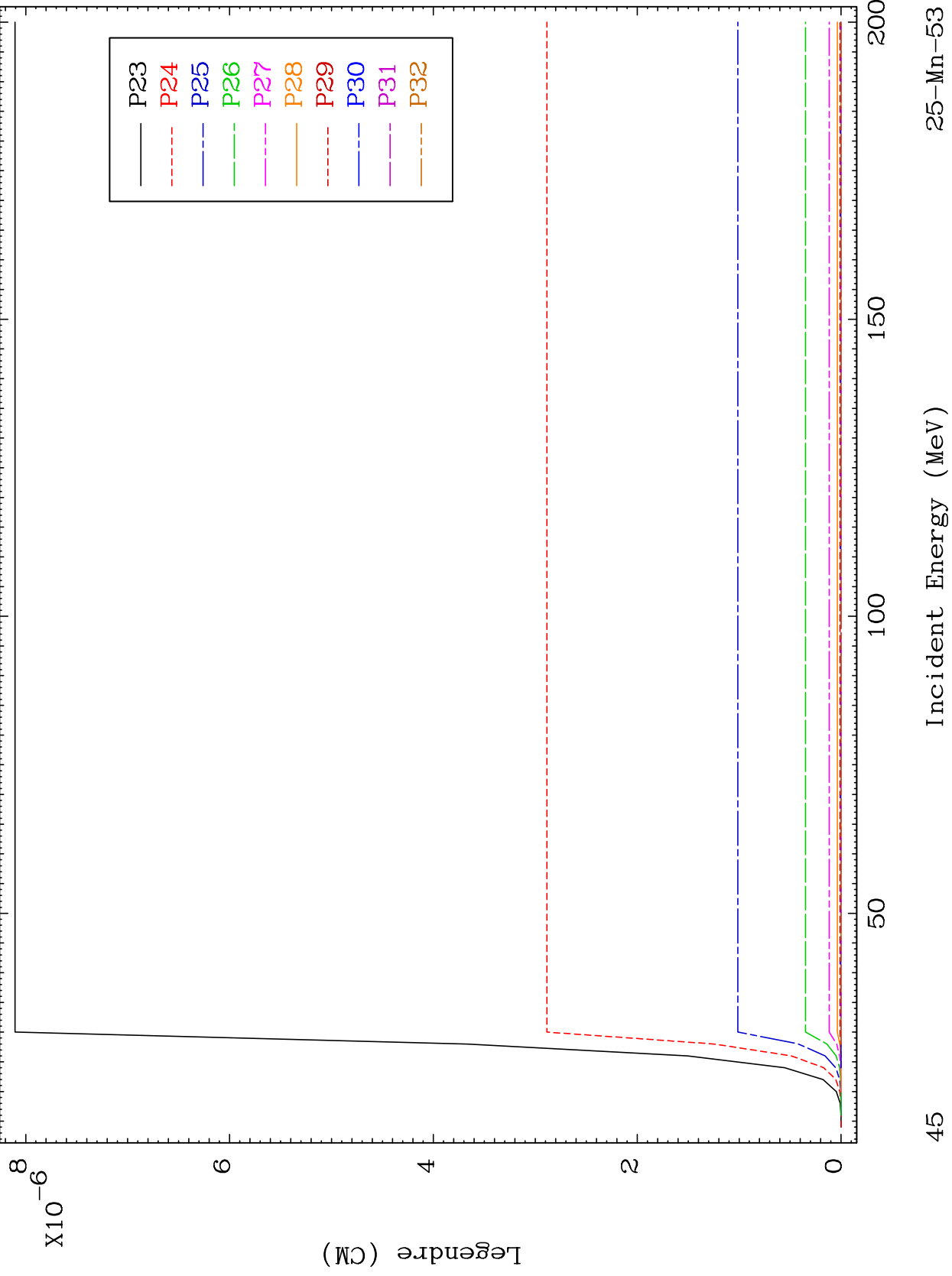
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

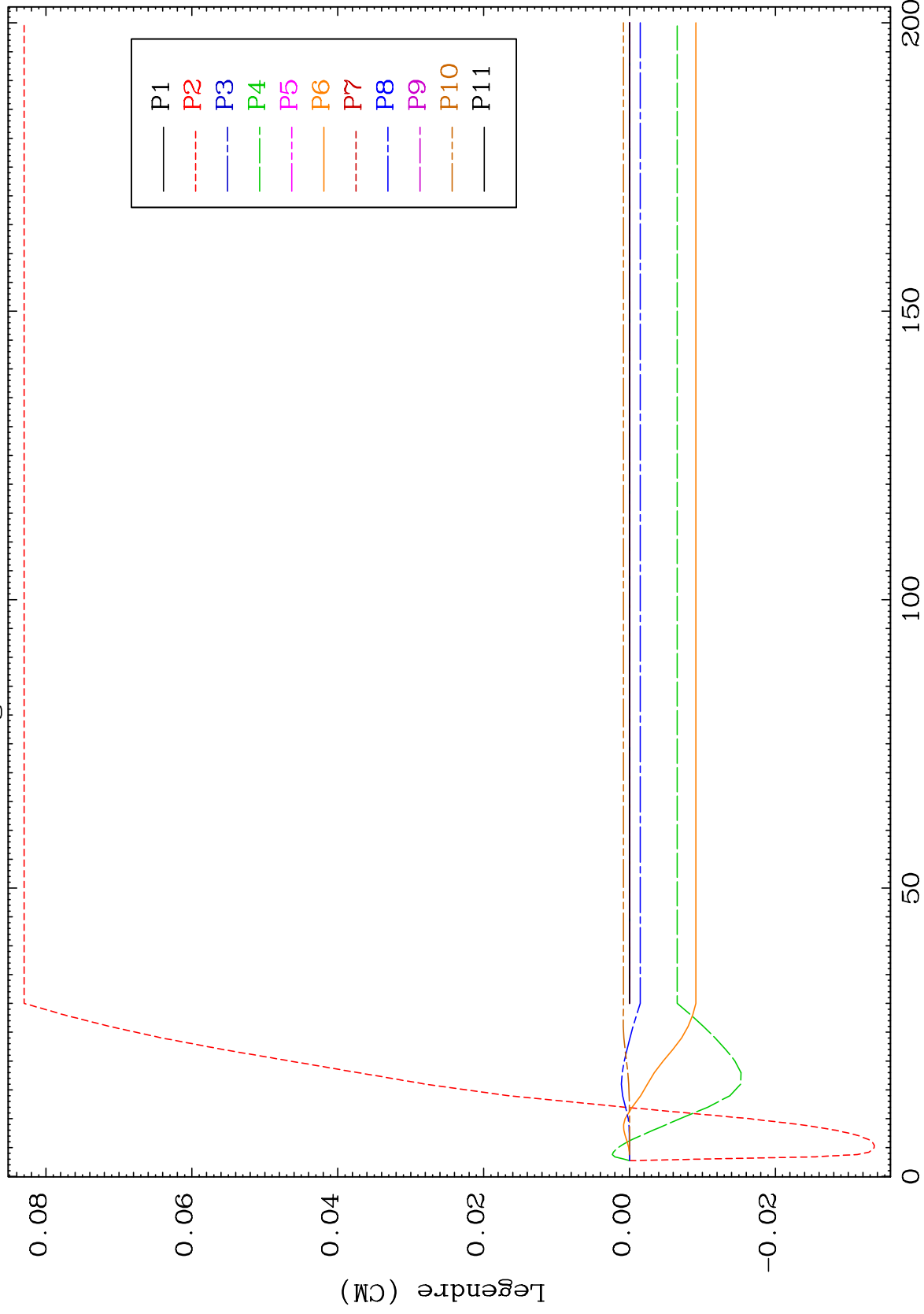
25-Mn-53



MAT 2519

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

25-Mn-53



46

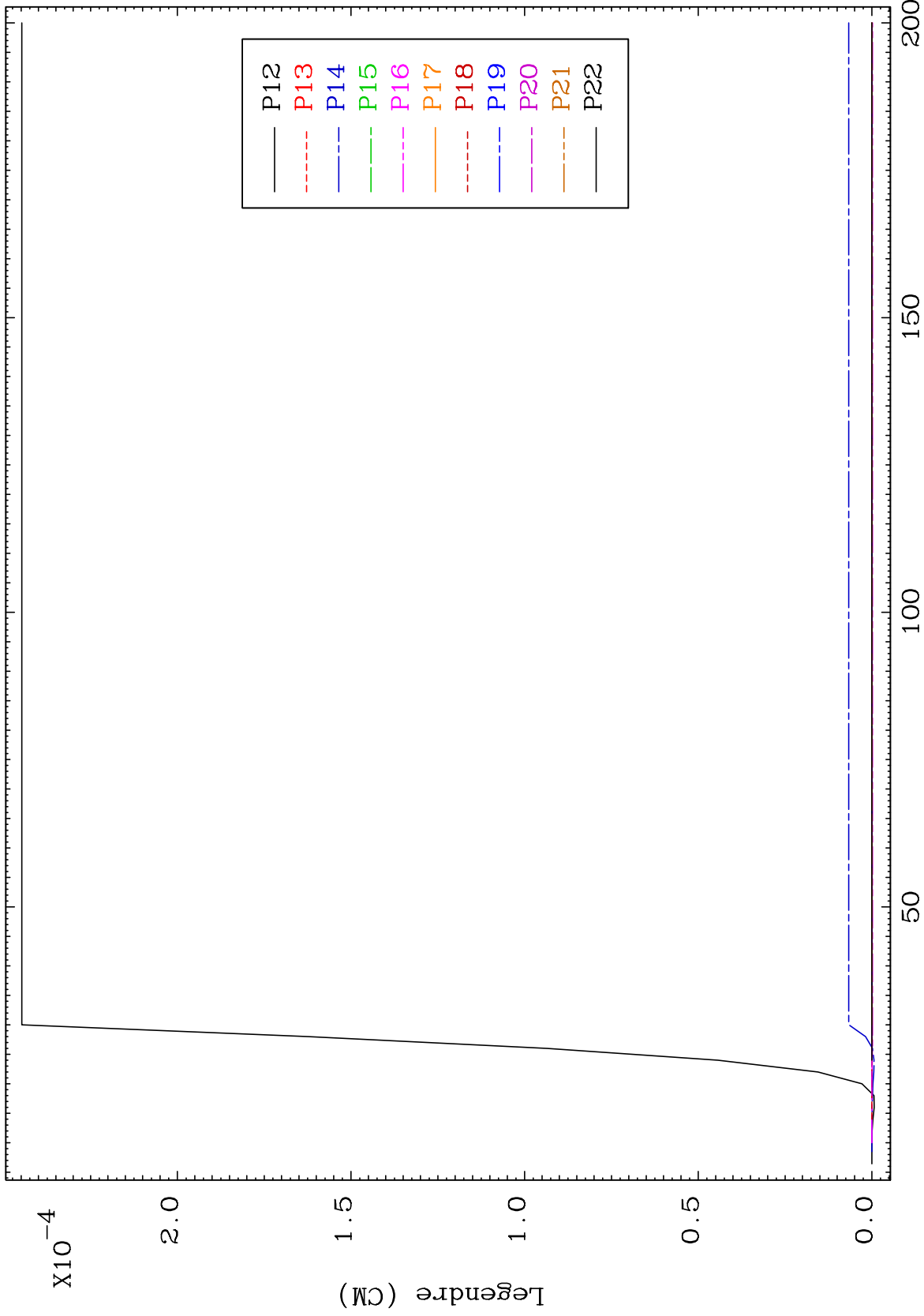
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

25-Mn-53



47

Incident Energy (MeV)

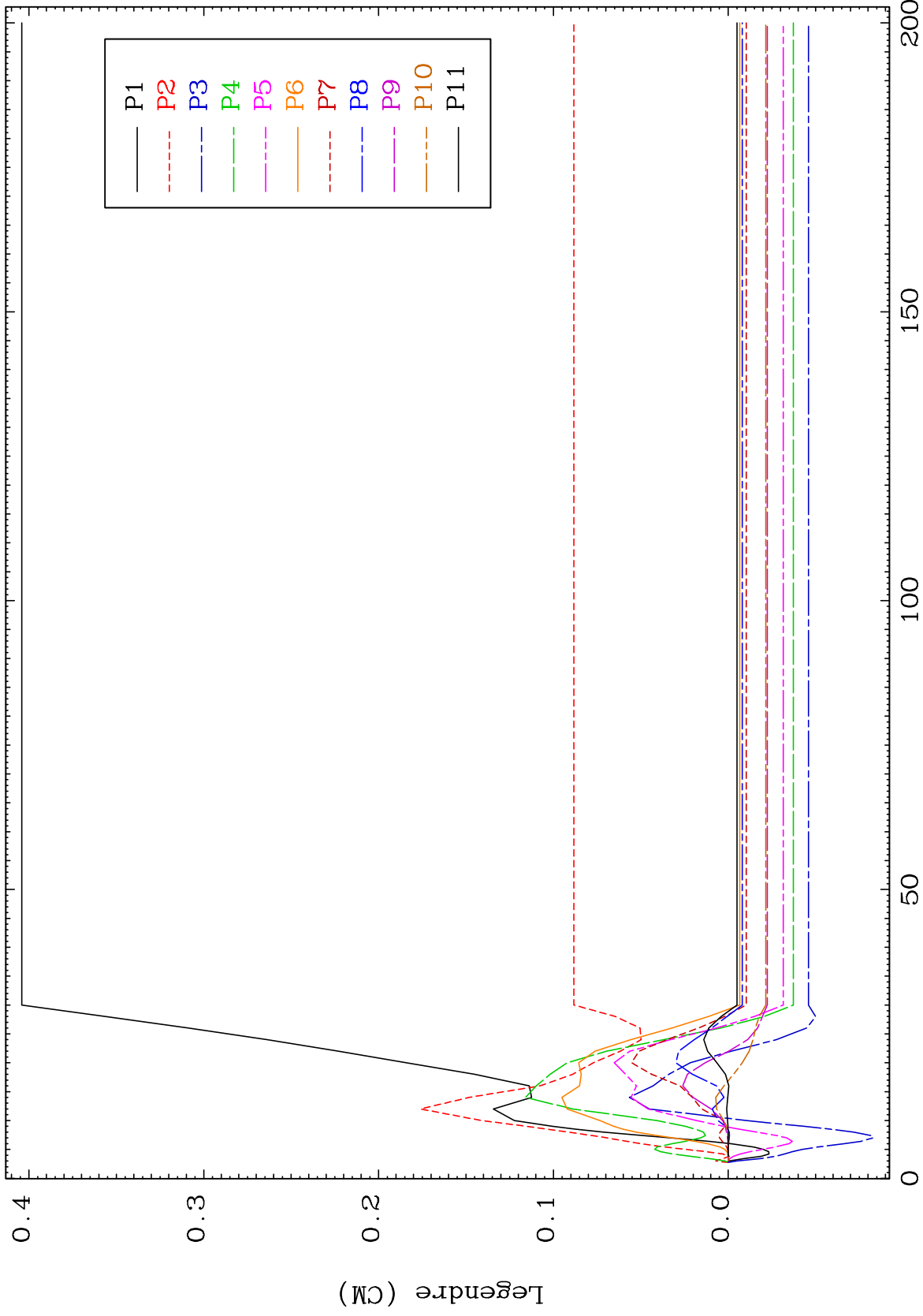
25-Mn-53



MAT 2519

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

25-Mn-53



48

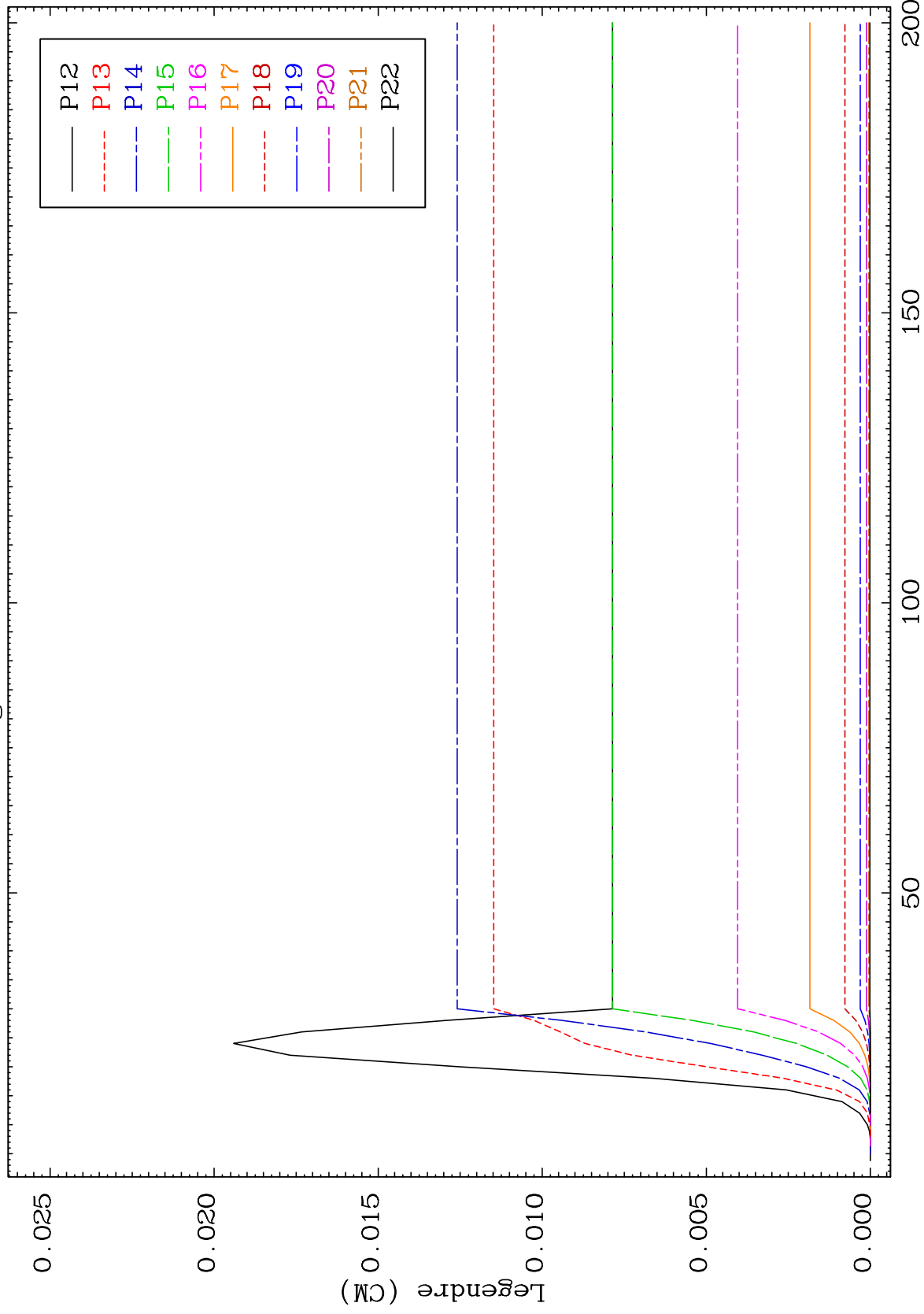
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

25-Mn-53



49

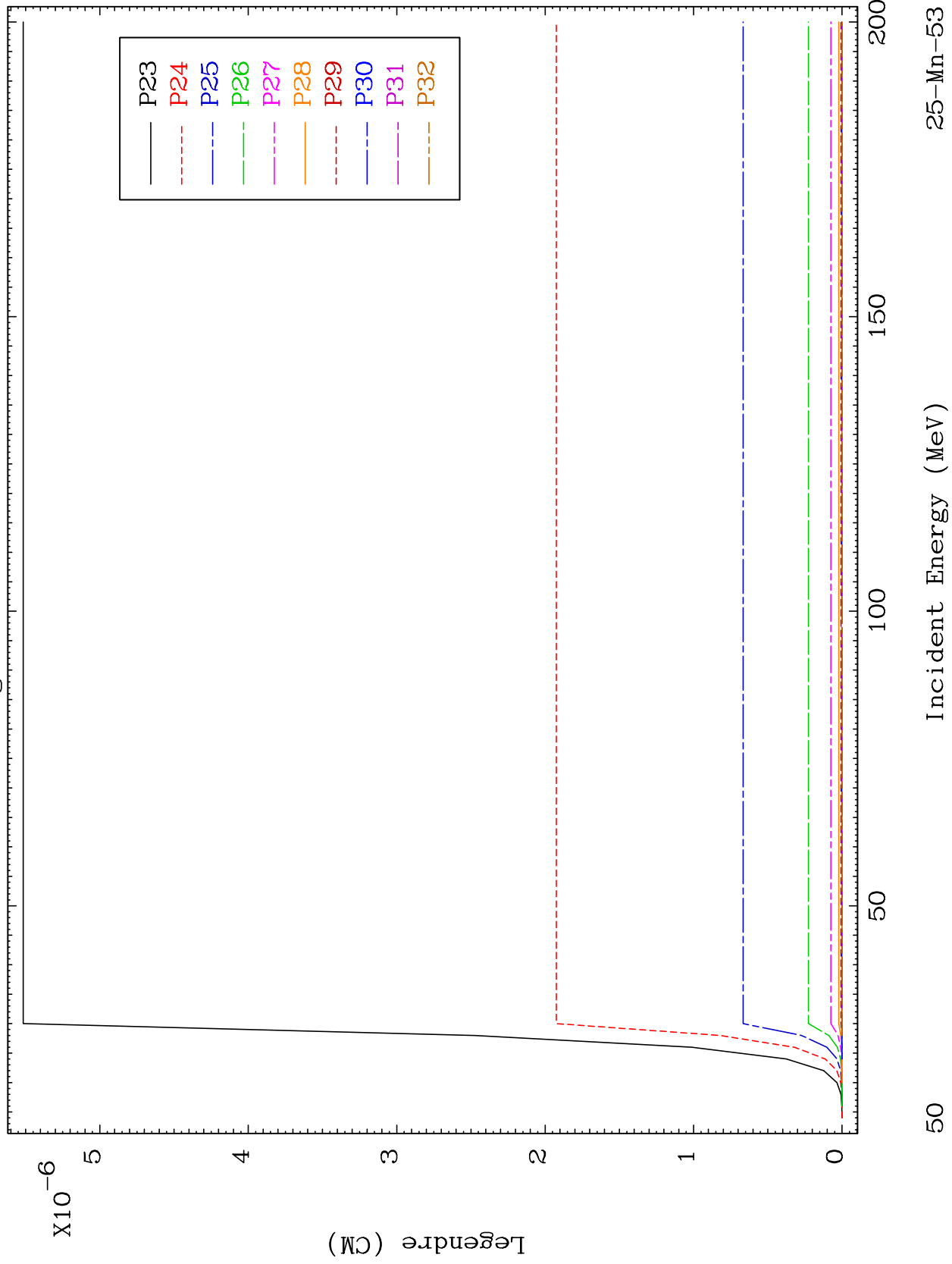
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

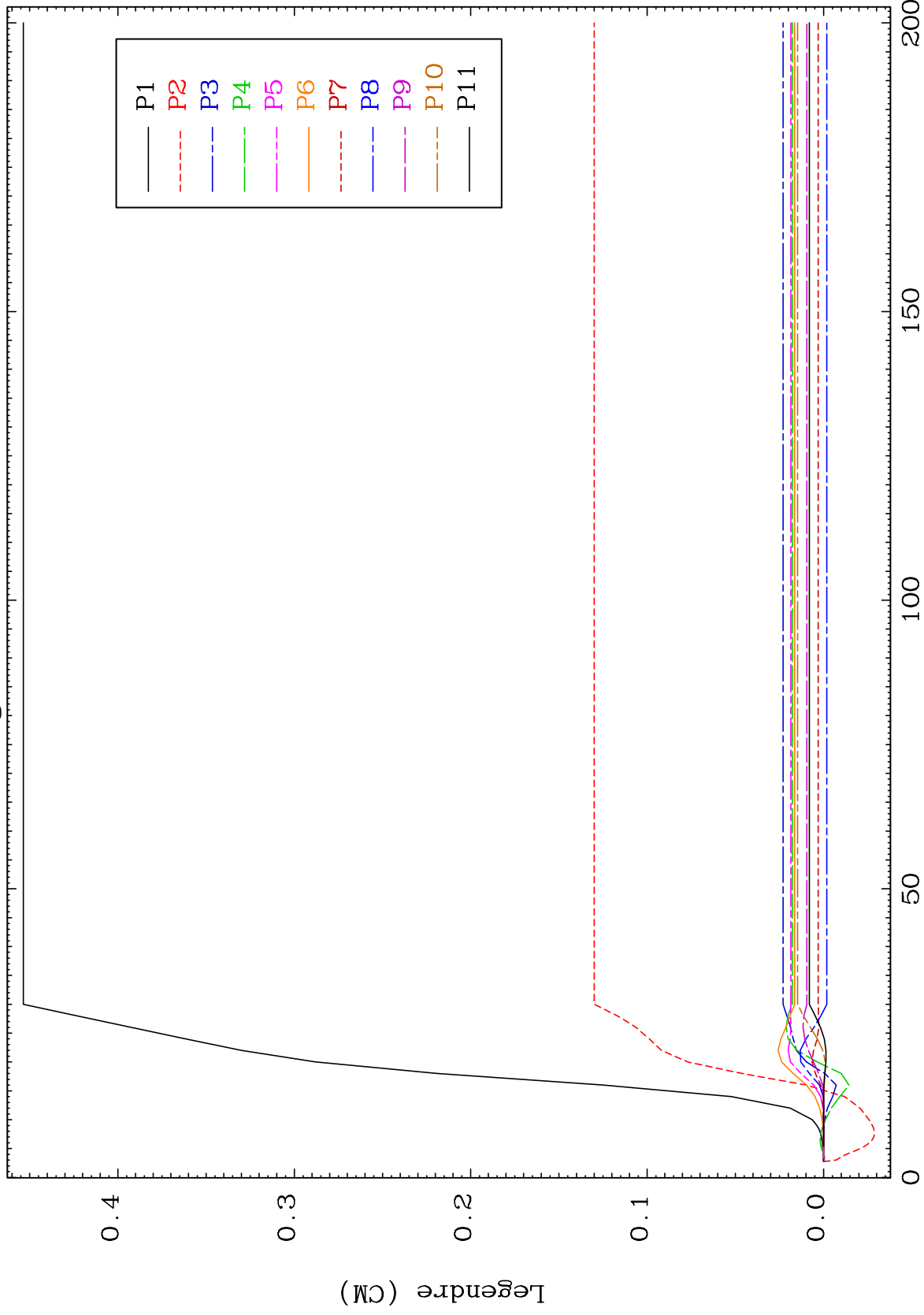
25-Mn-53



MAT 2519

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

25-Mn-53



51

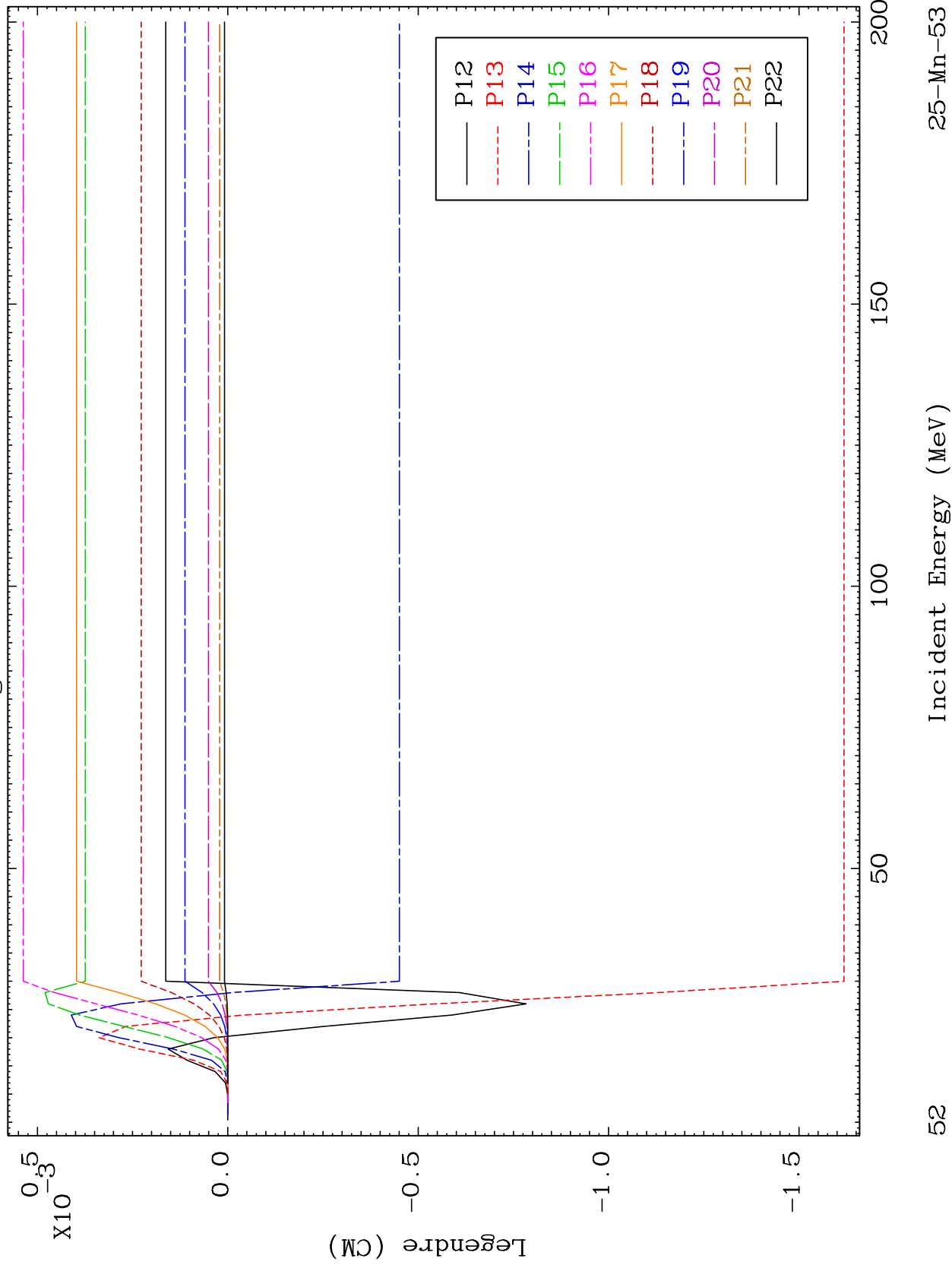
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

25-Mn-53



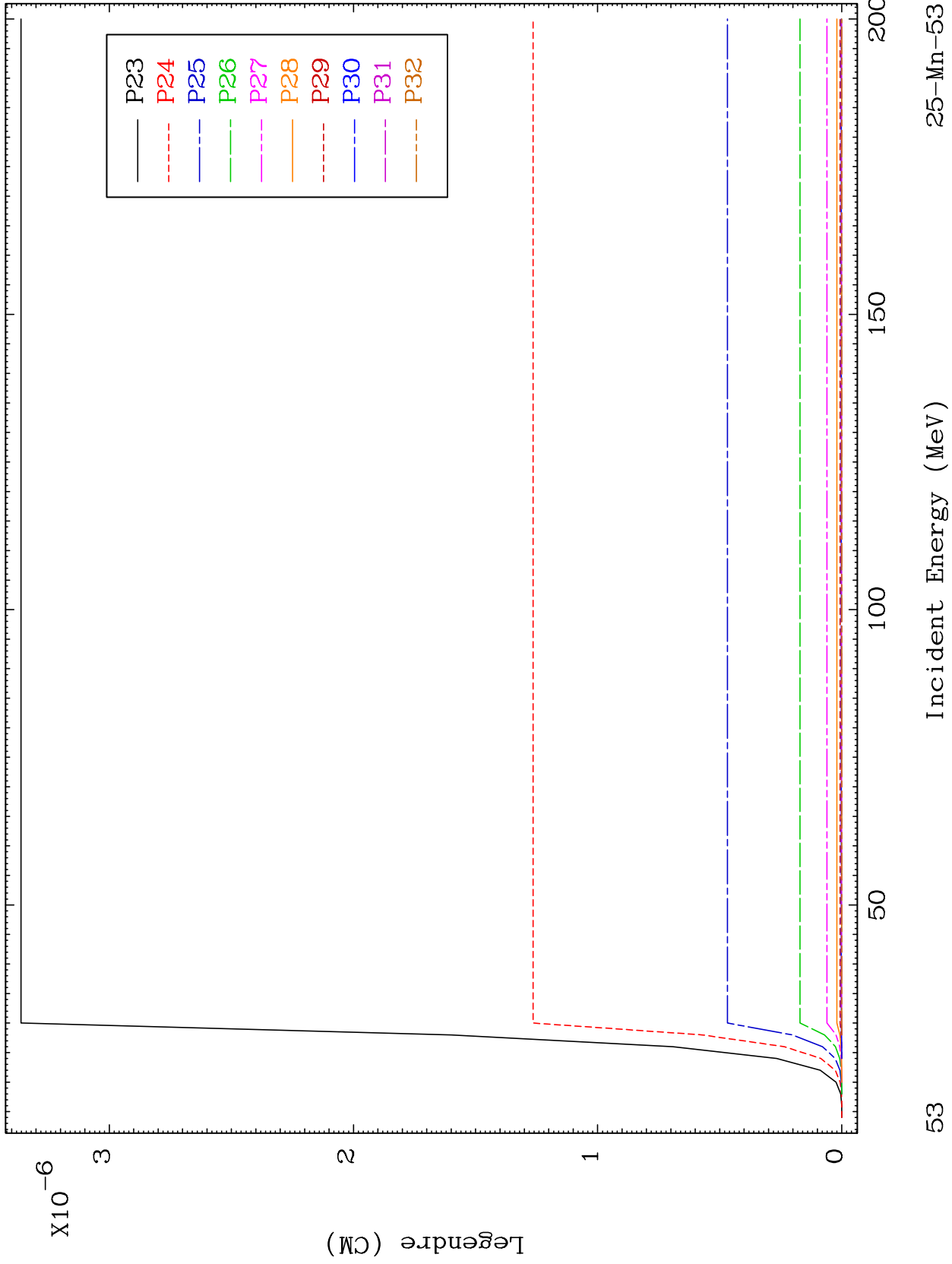
52

25-Mn-53

MAT 2519

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

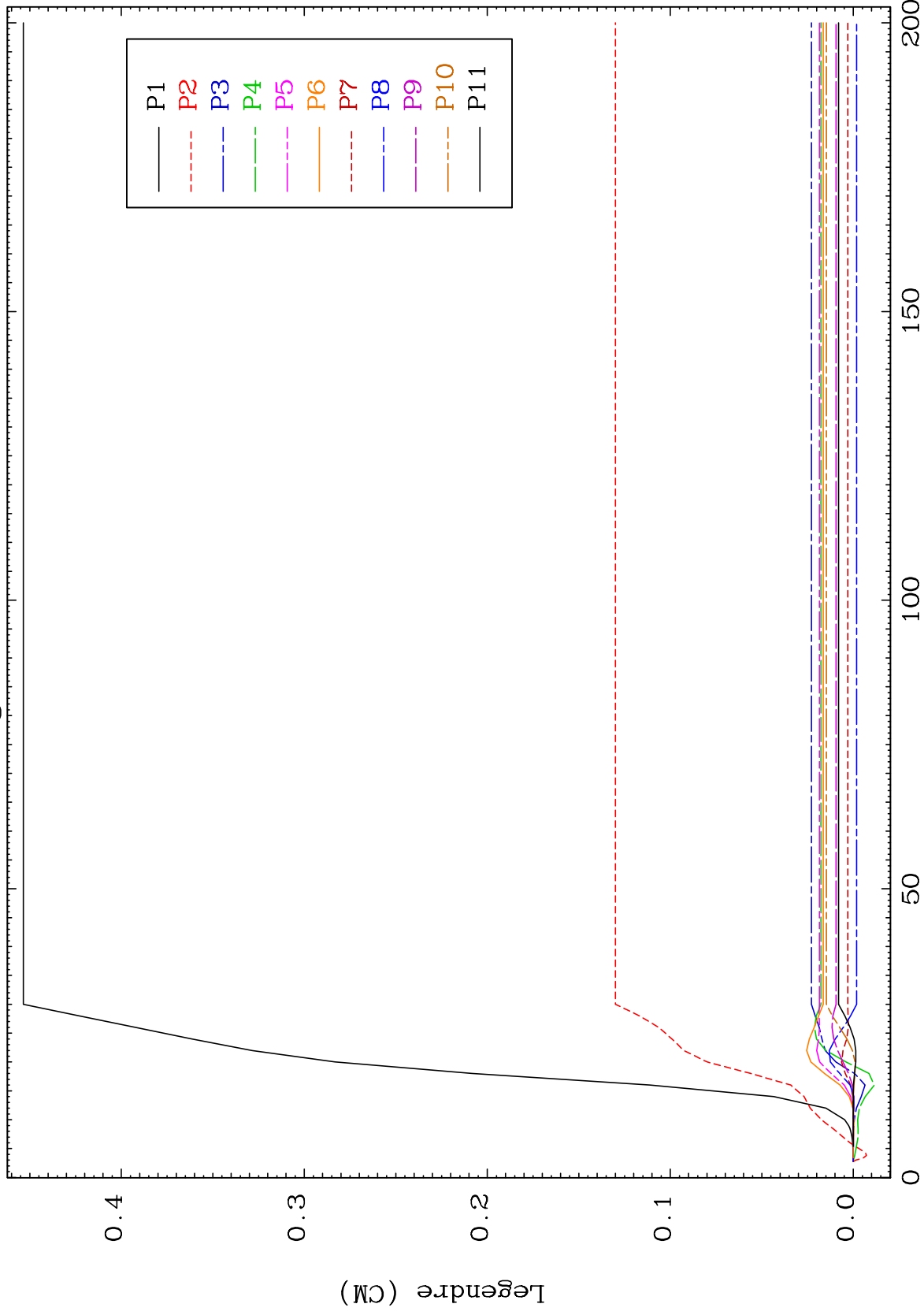
25-Mn-53



MAT 2519

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

25-Mn-53



54

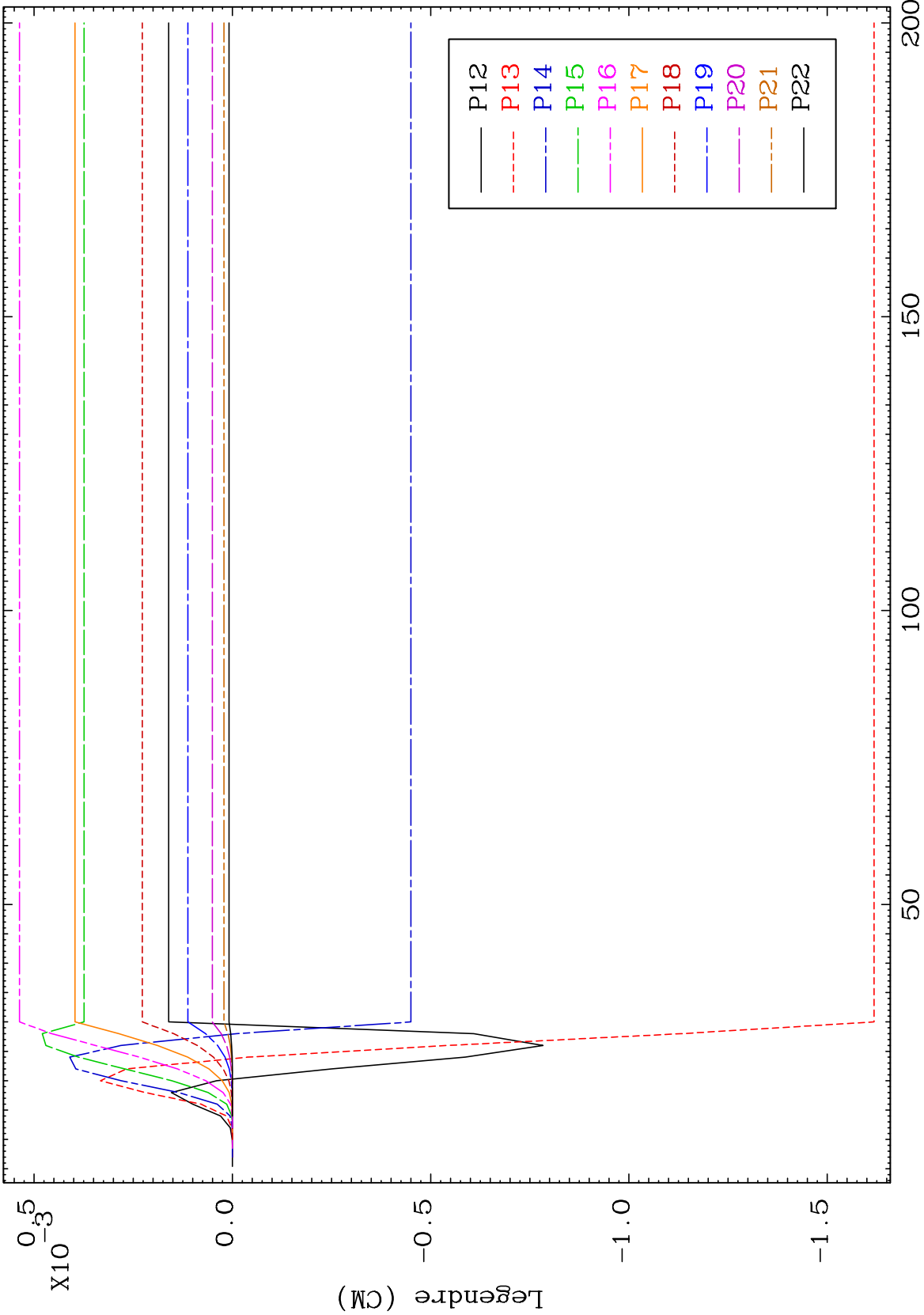
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

25-Mn-53



55

Incident Energy (MeV)

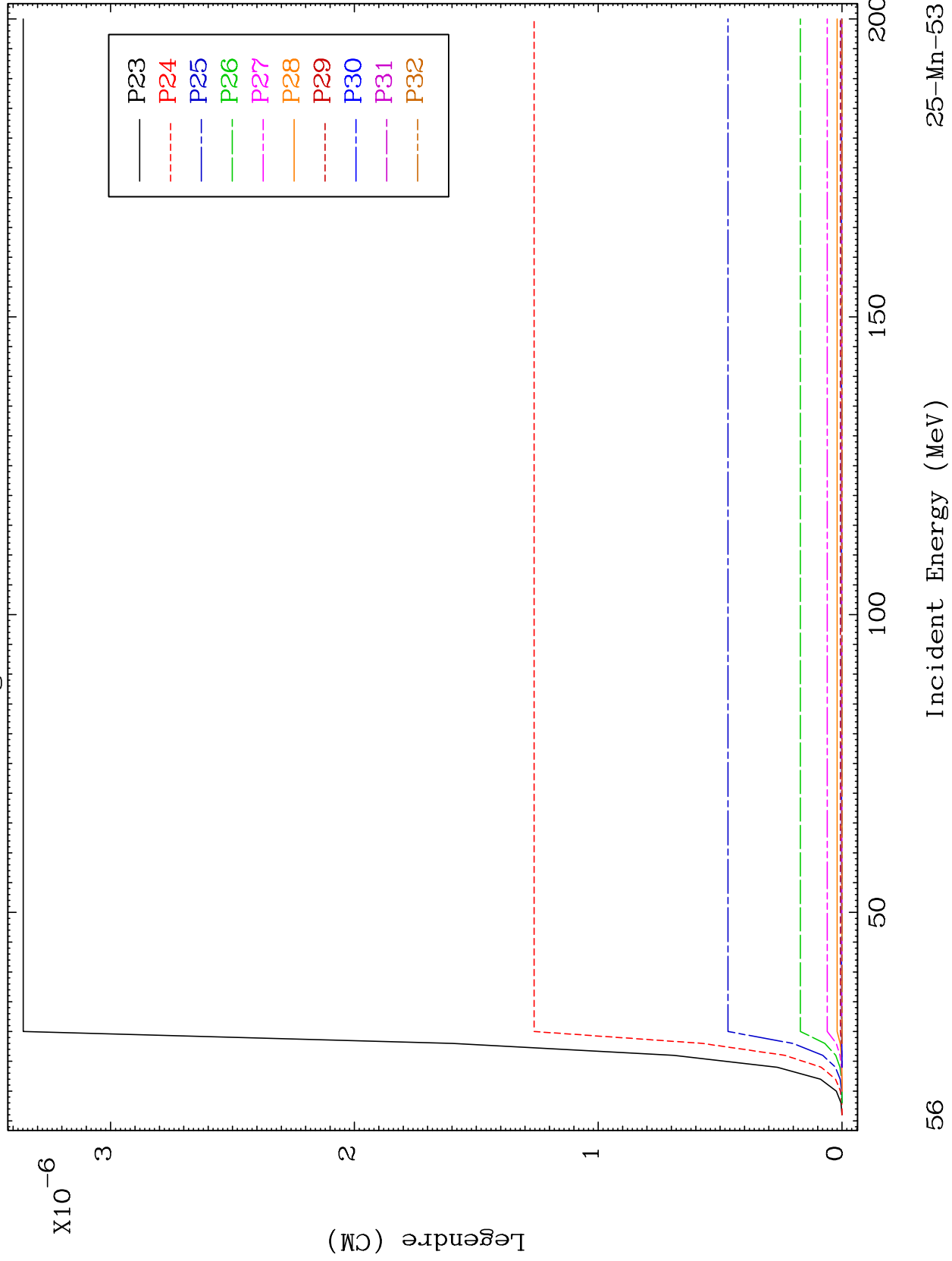
25-Mn-53



MAT 2519

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

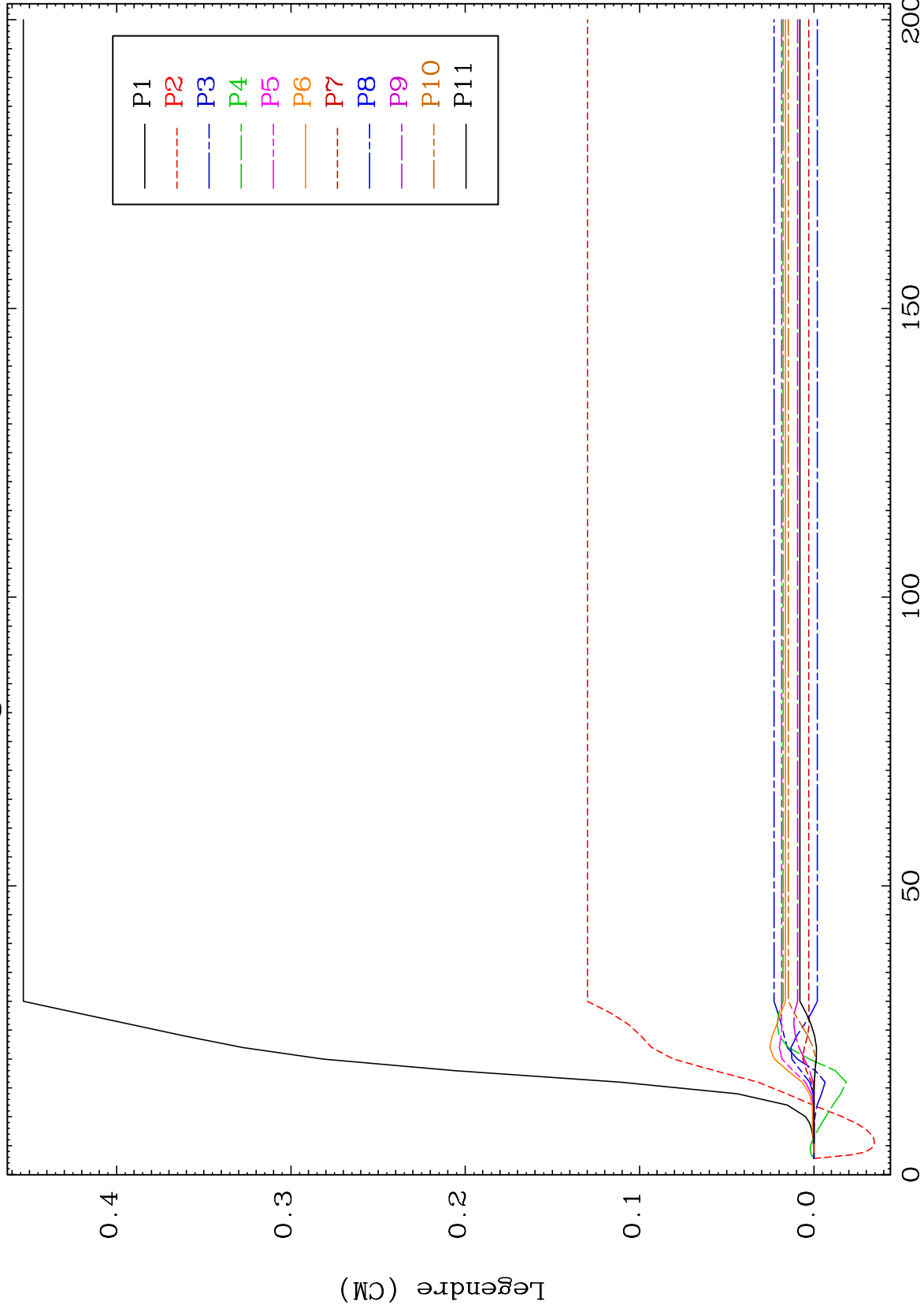
25-Mn-53



MAT 2519

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

25-Mn-53



57

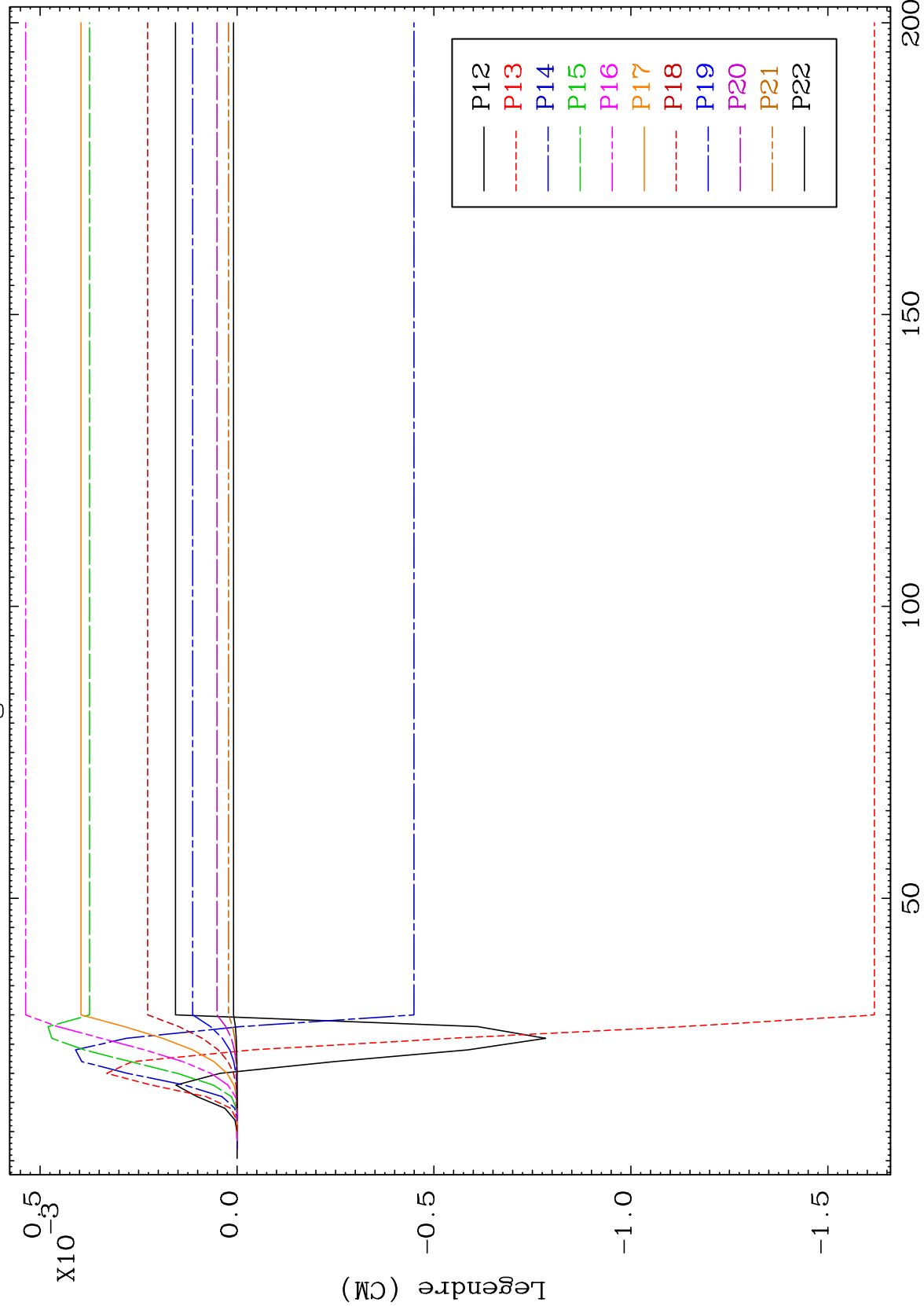
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

25-Mn-53



58

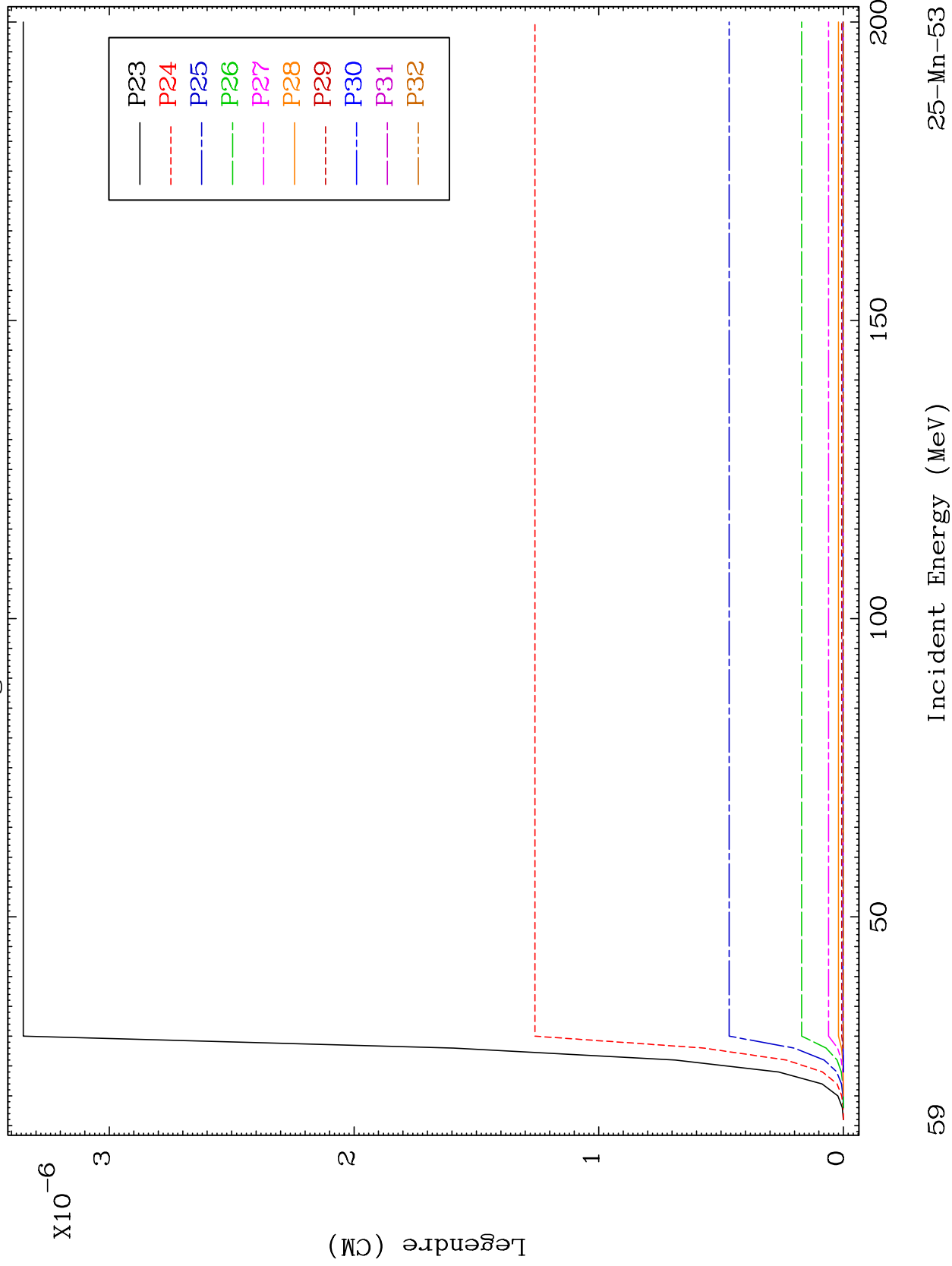
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

25-Mn-53



59

Incident Energy (MeV)

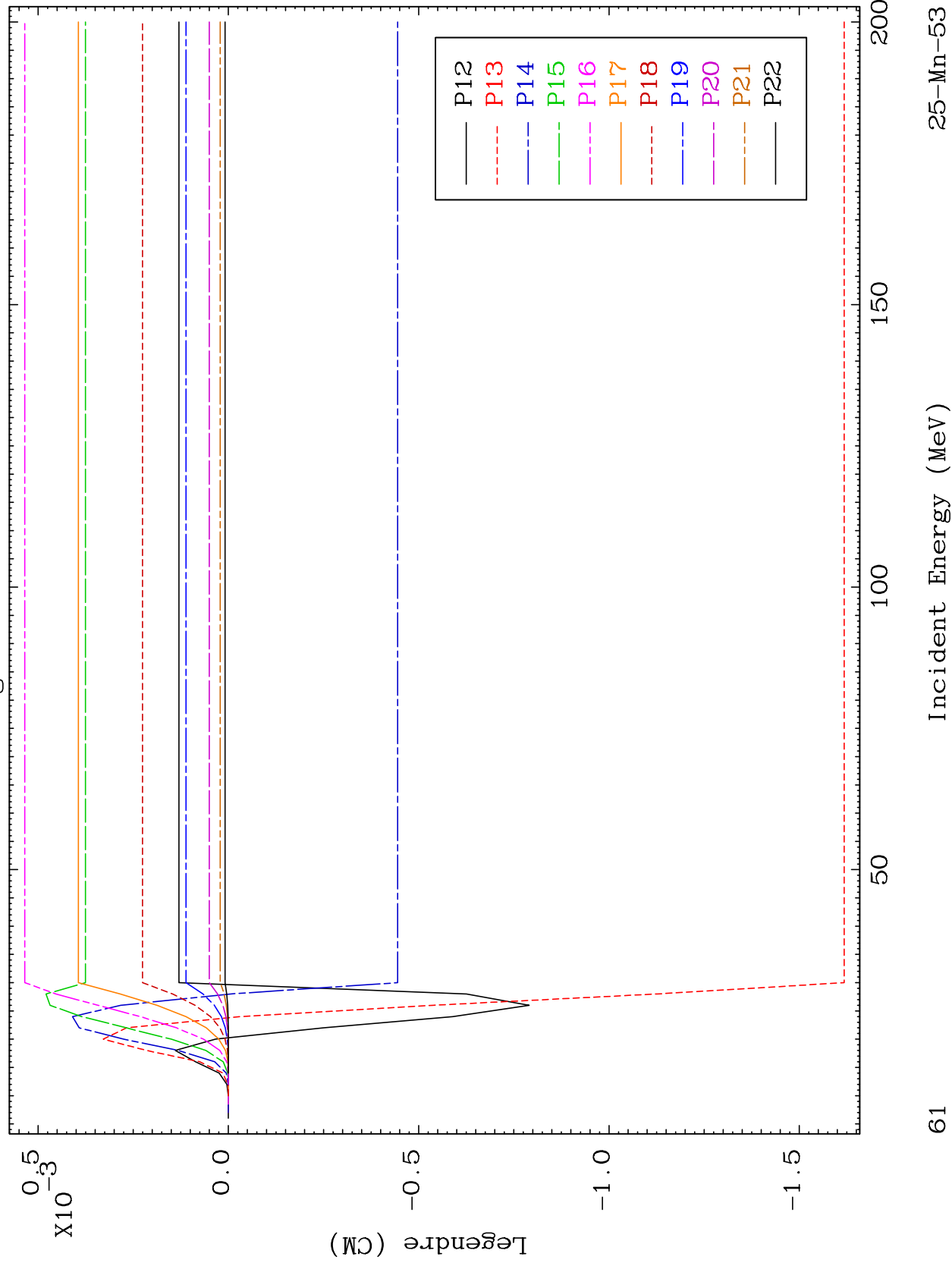
25-Mn-53



MAT 2519

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

25-Mn-53



61

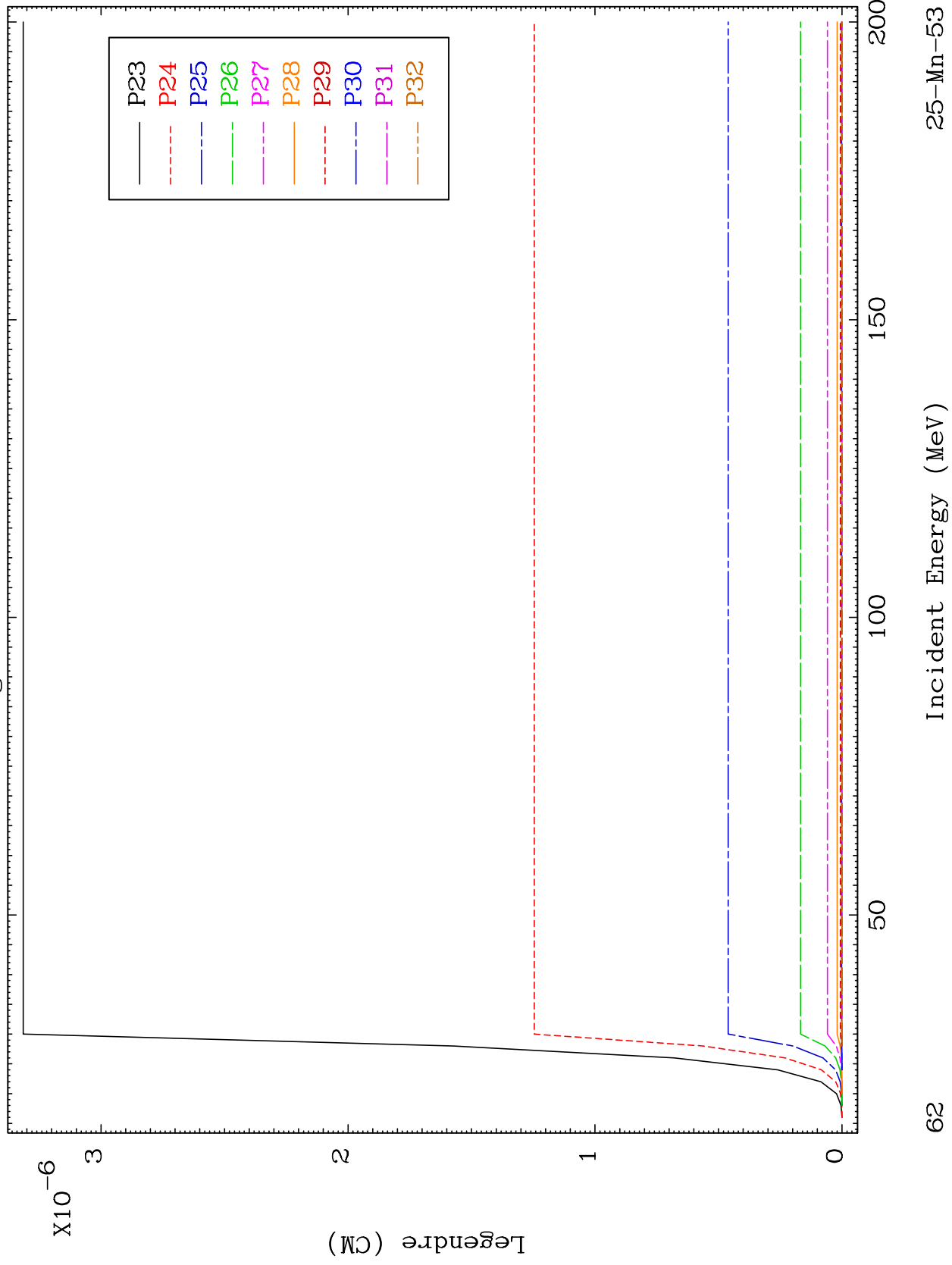
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

25-Mn-53



62

Incident Energy (MeV)

25-Mn-53

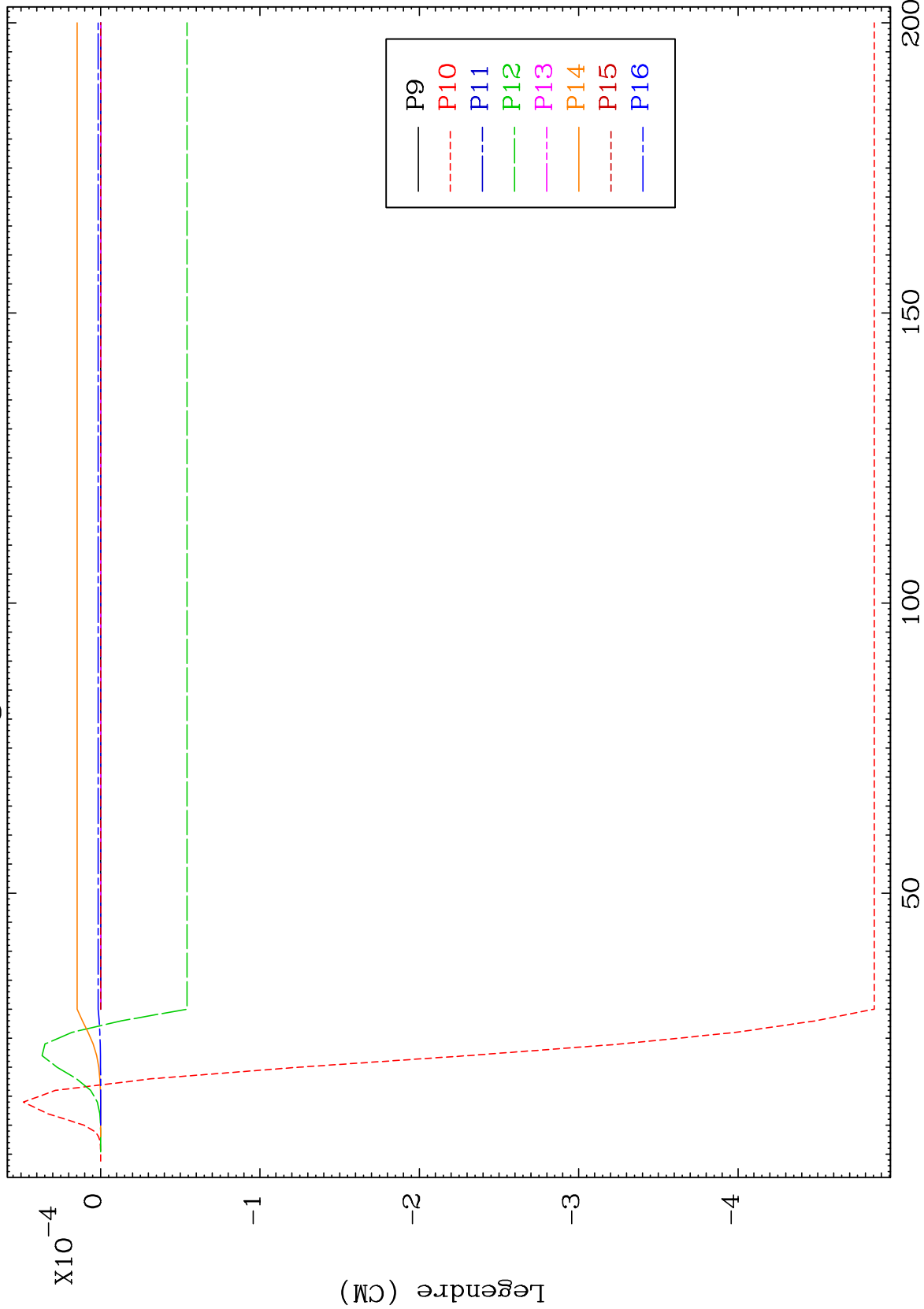




MAT 2519

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

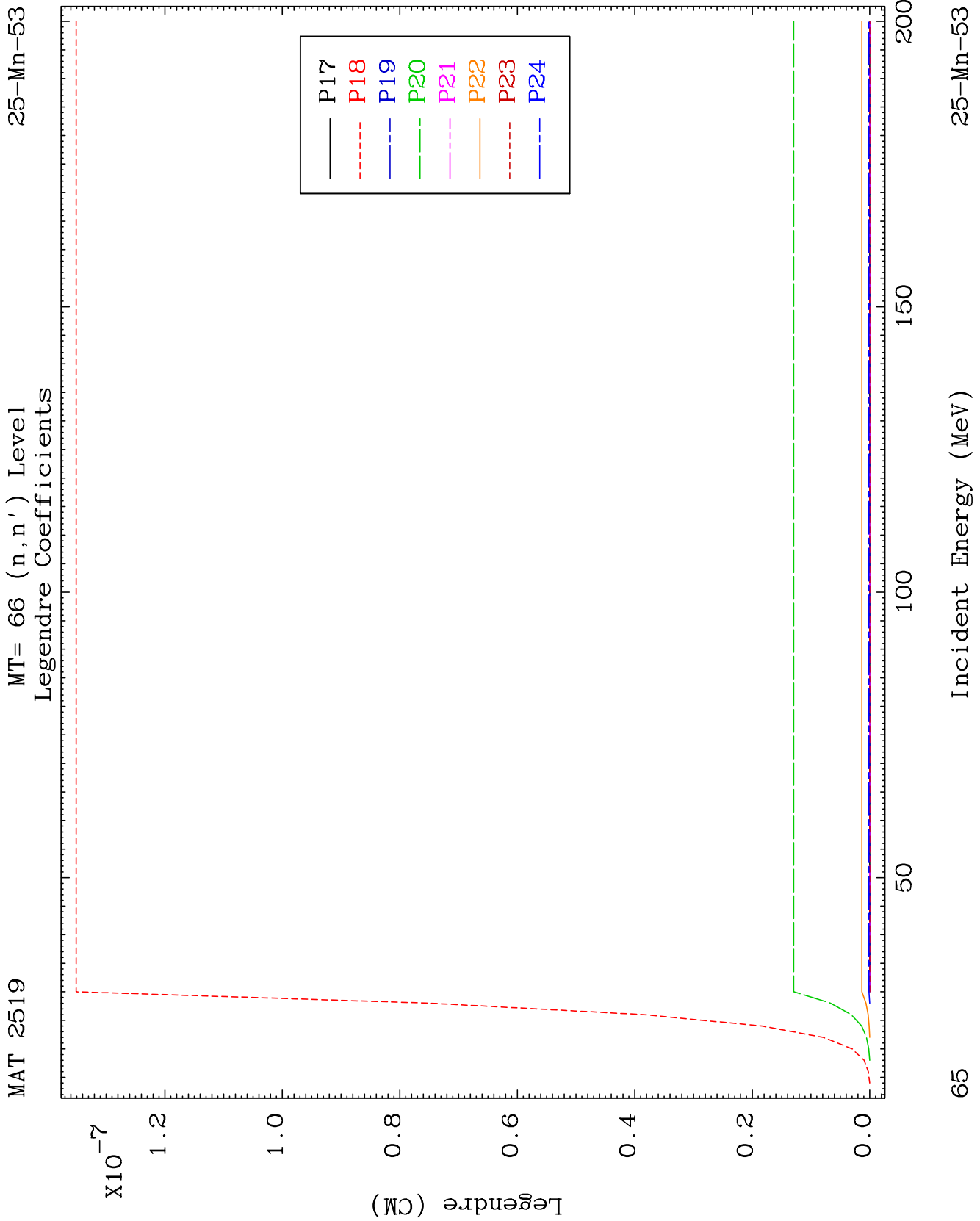
25-Mn-53



64

Incident Energy (MeV)

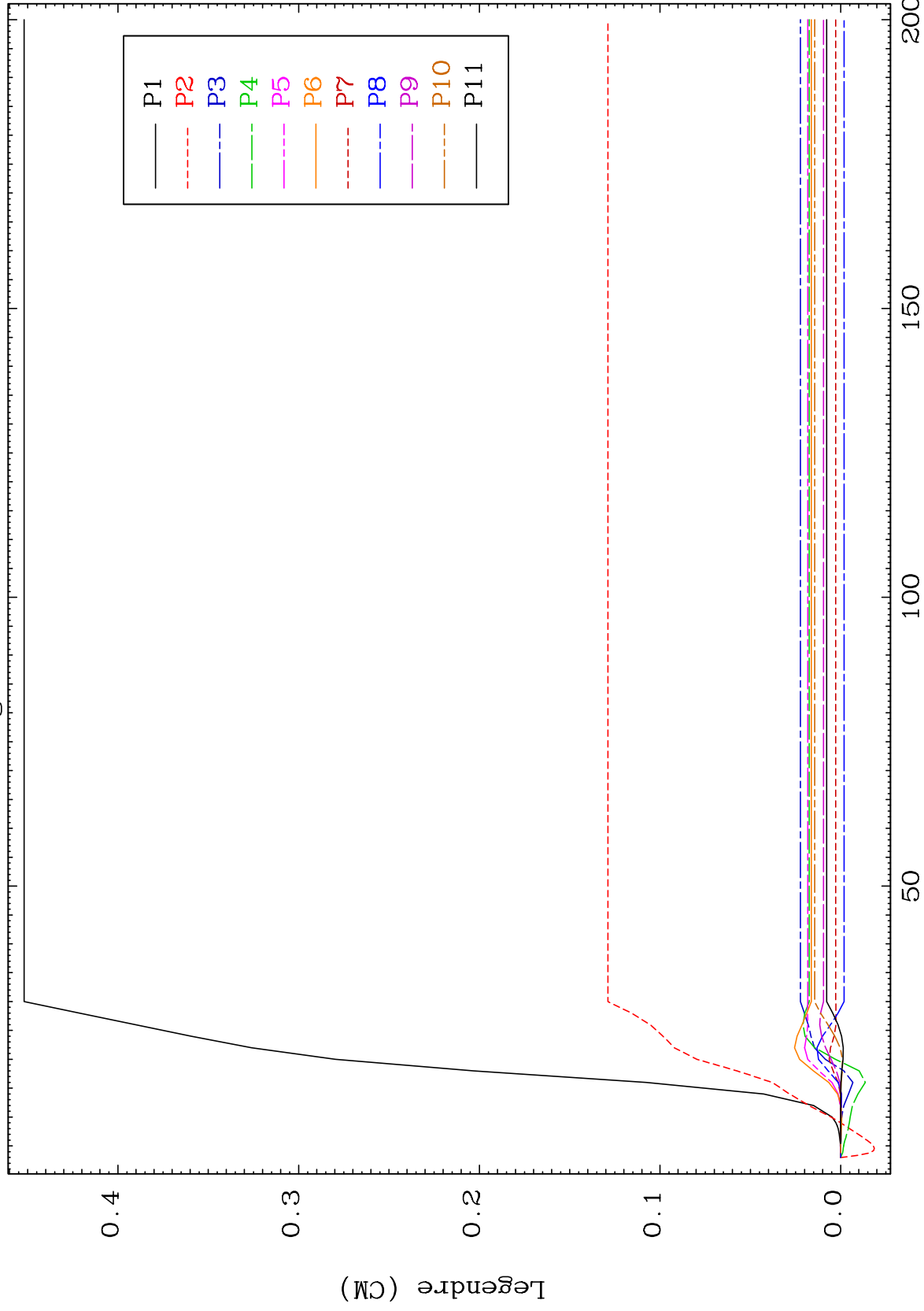
25-Mn-53



MAT 2519

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

25-Mn-53



66

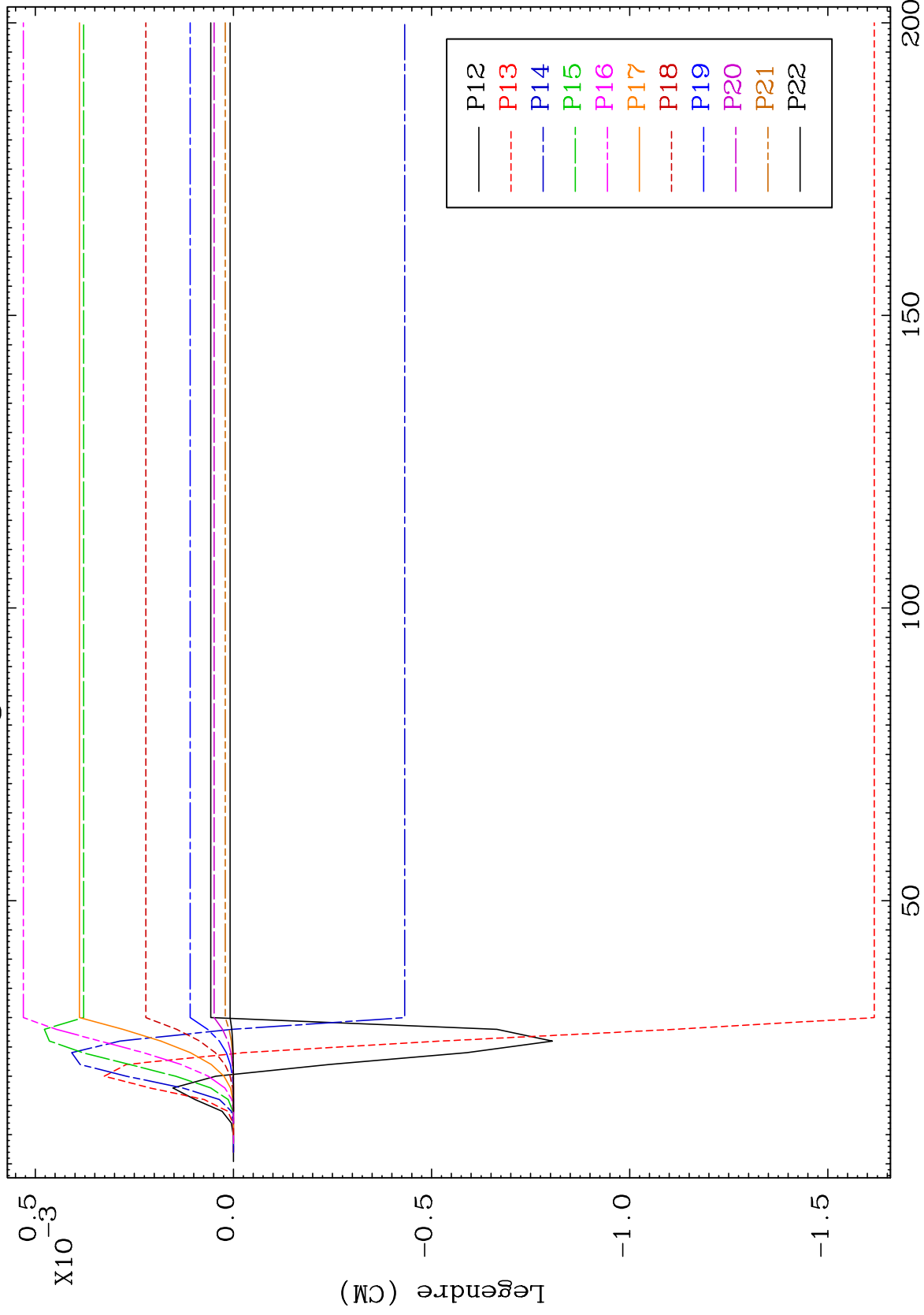
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

25-Mn-53



67

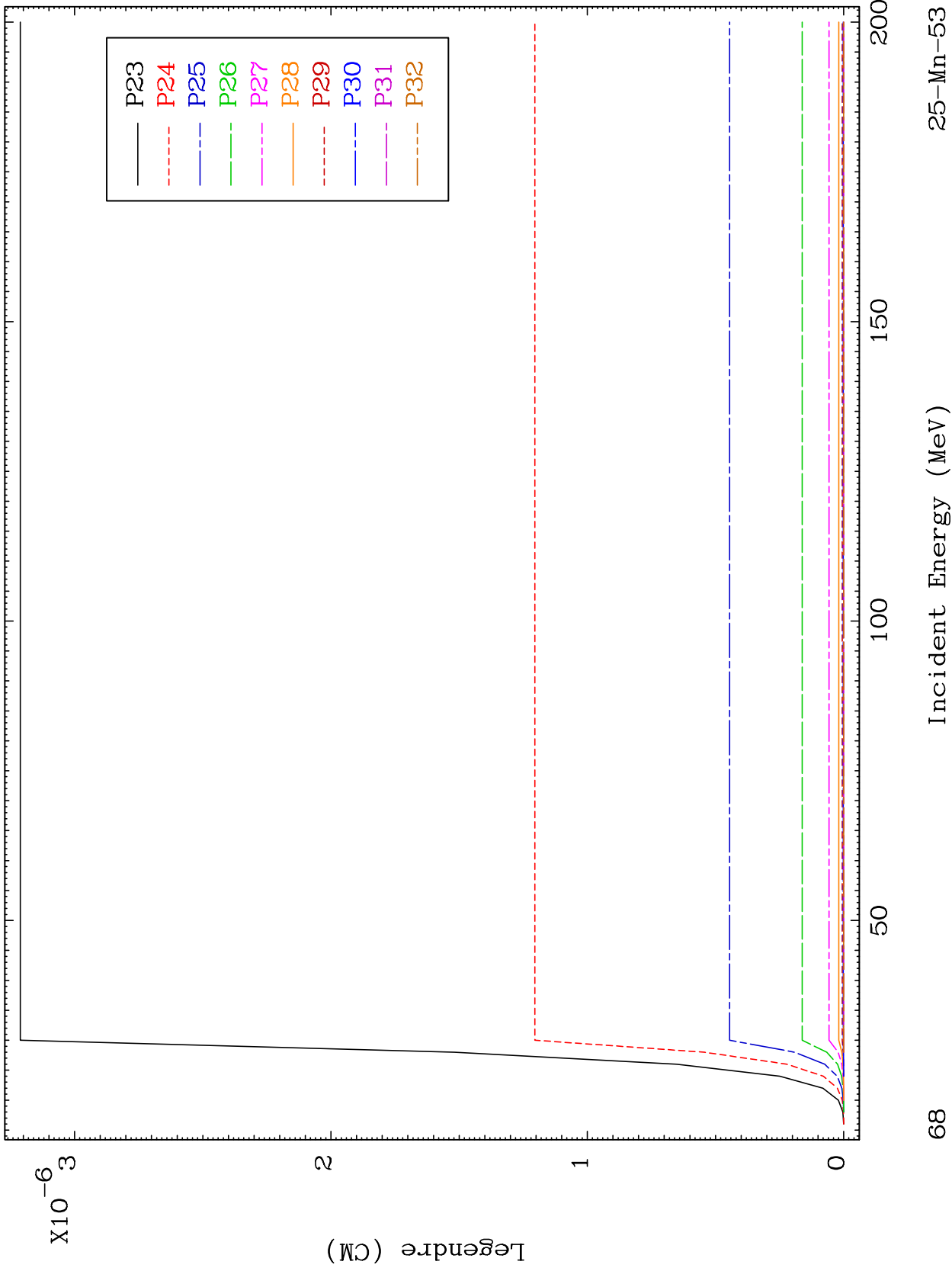
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

25-Mn-53



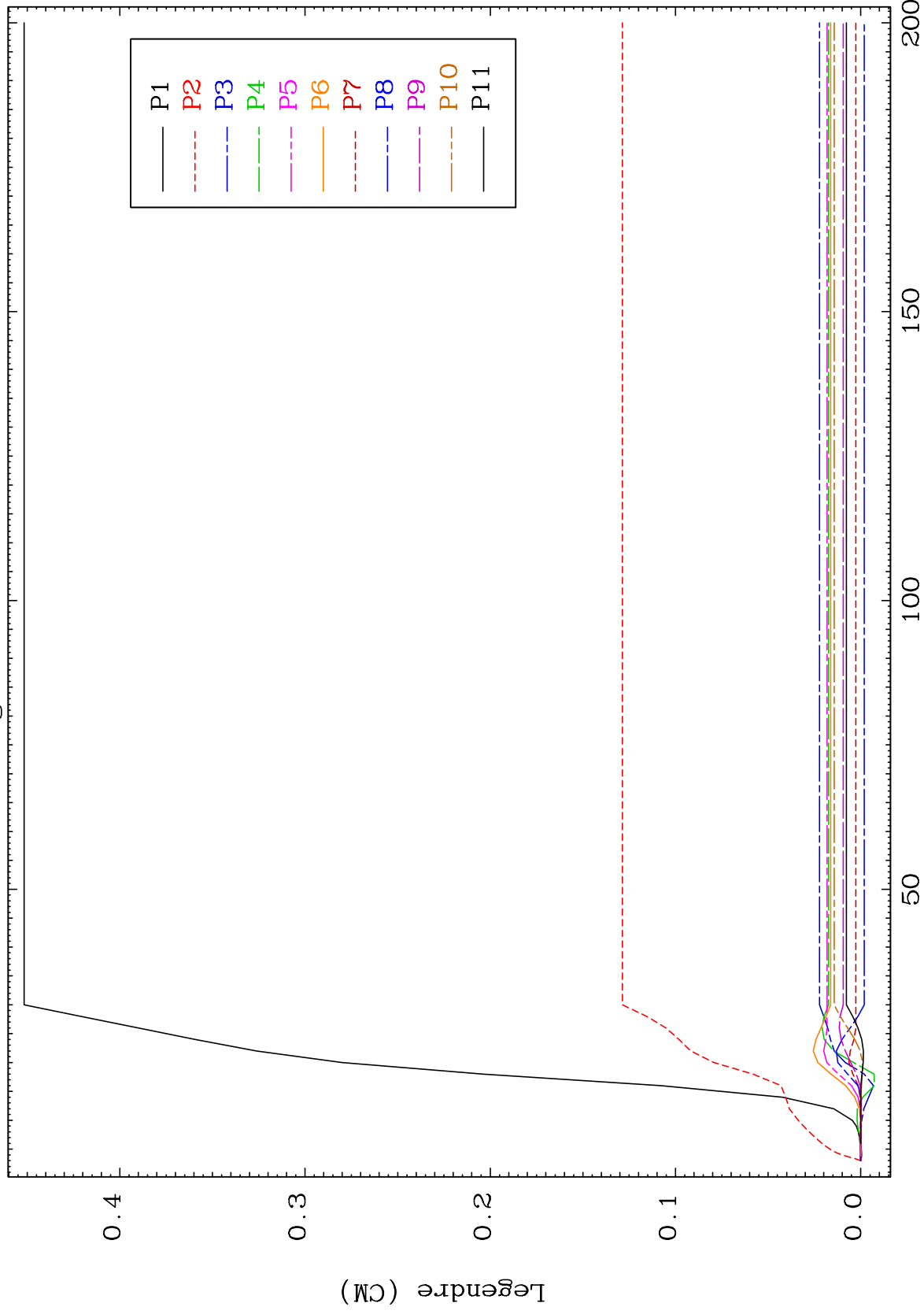
68

25-Mn-53

MAT 2519

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

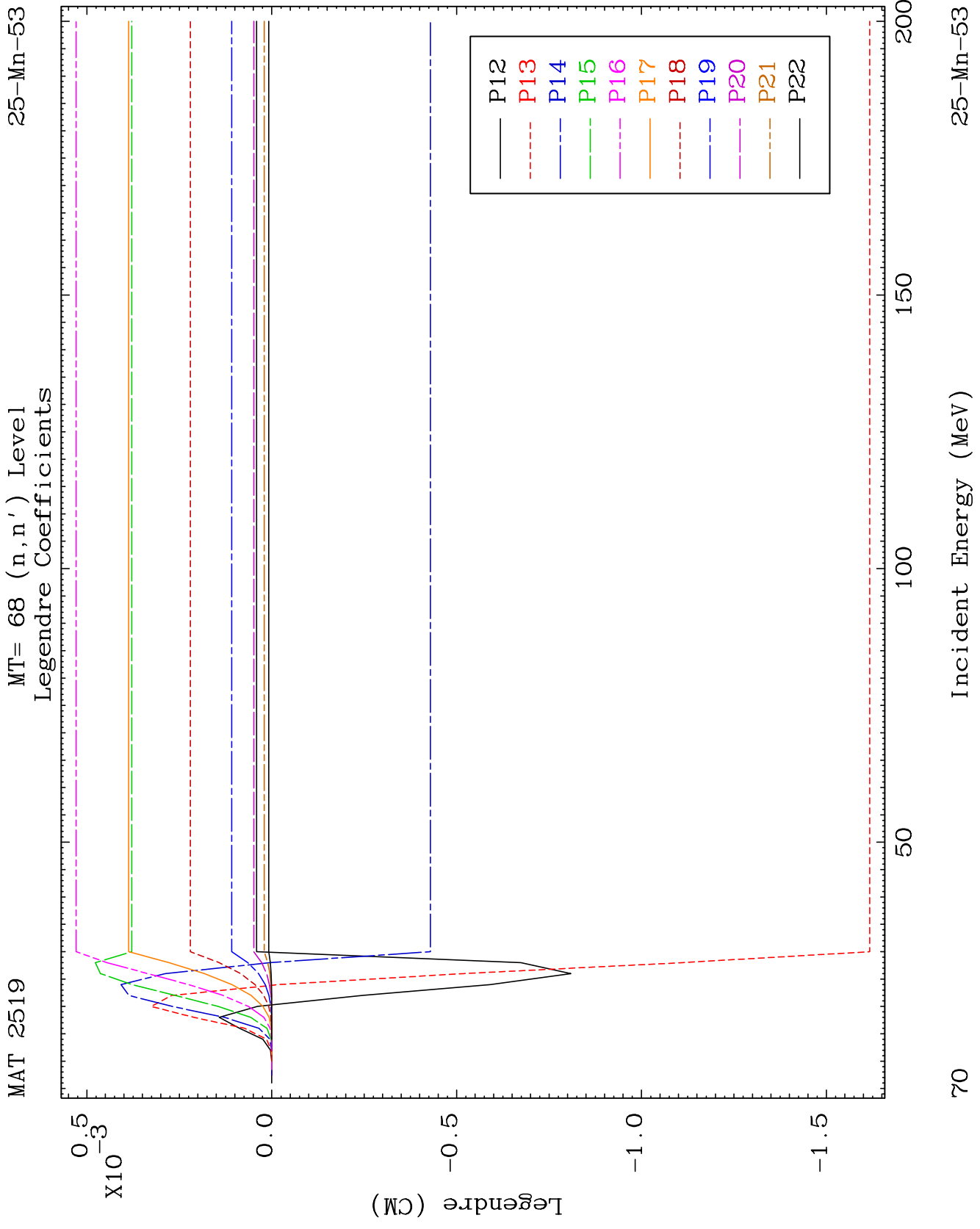
25-Mn-53



69

Incident Energy (MeV)

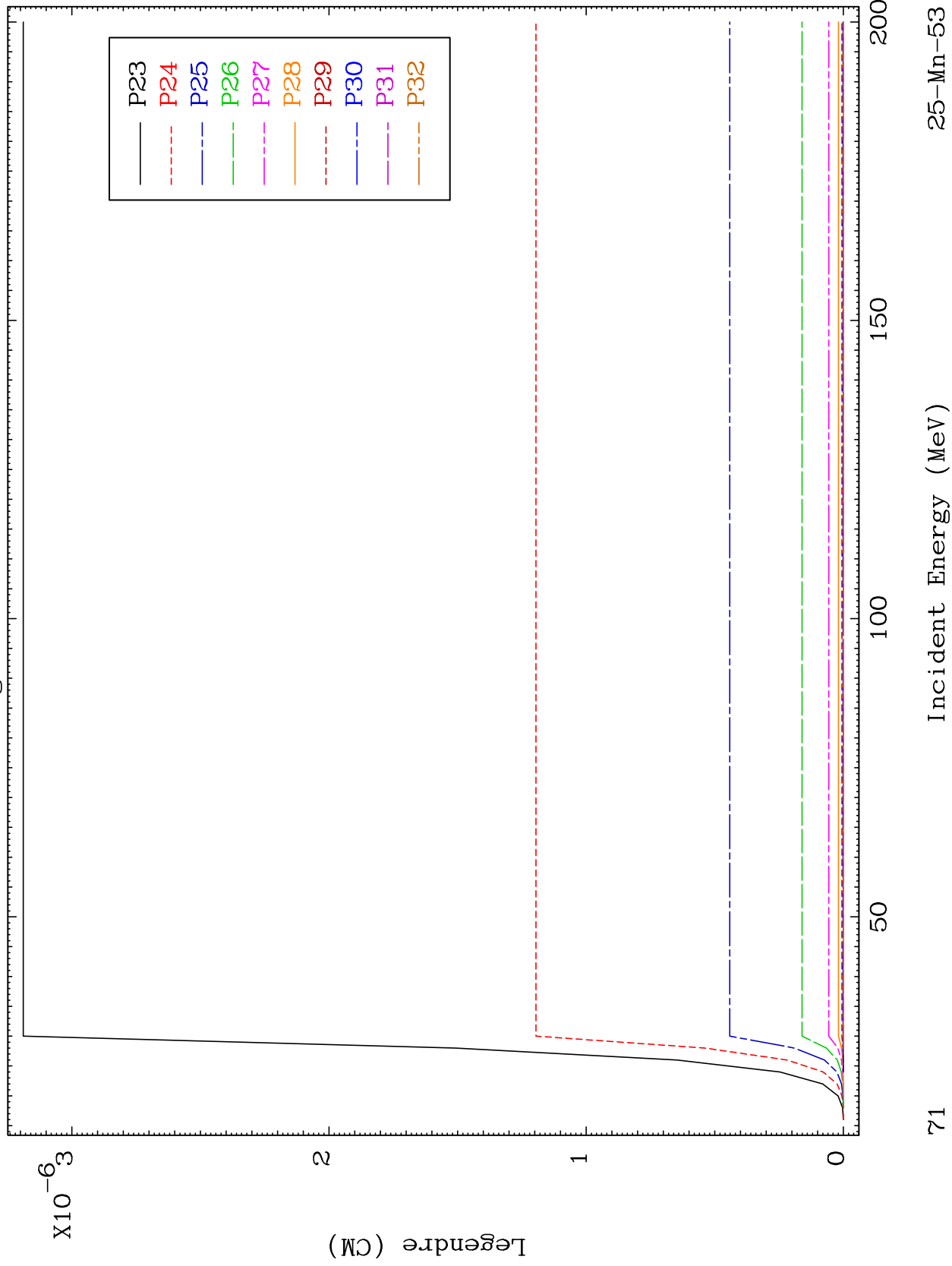
25-Mn-53



MAT 2519

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

25-Mn-53



71

Incident Energy (MeV)

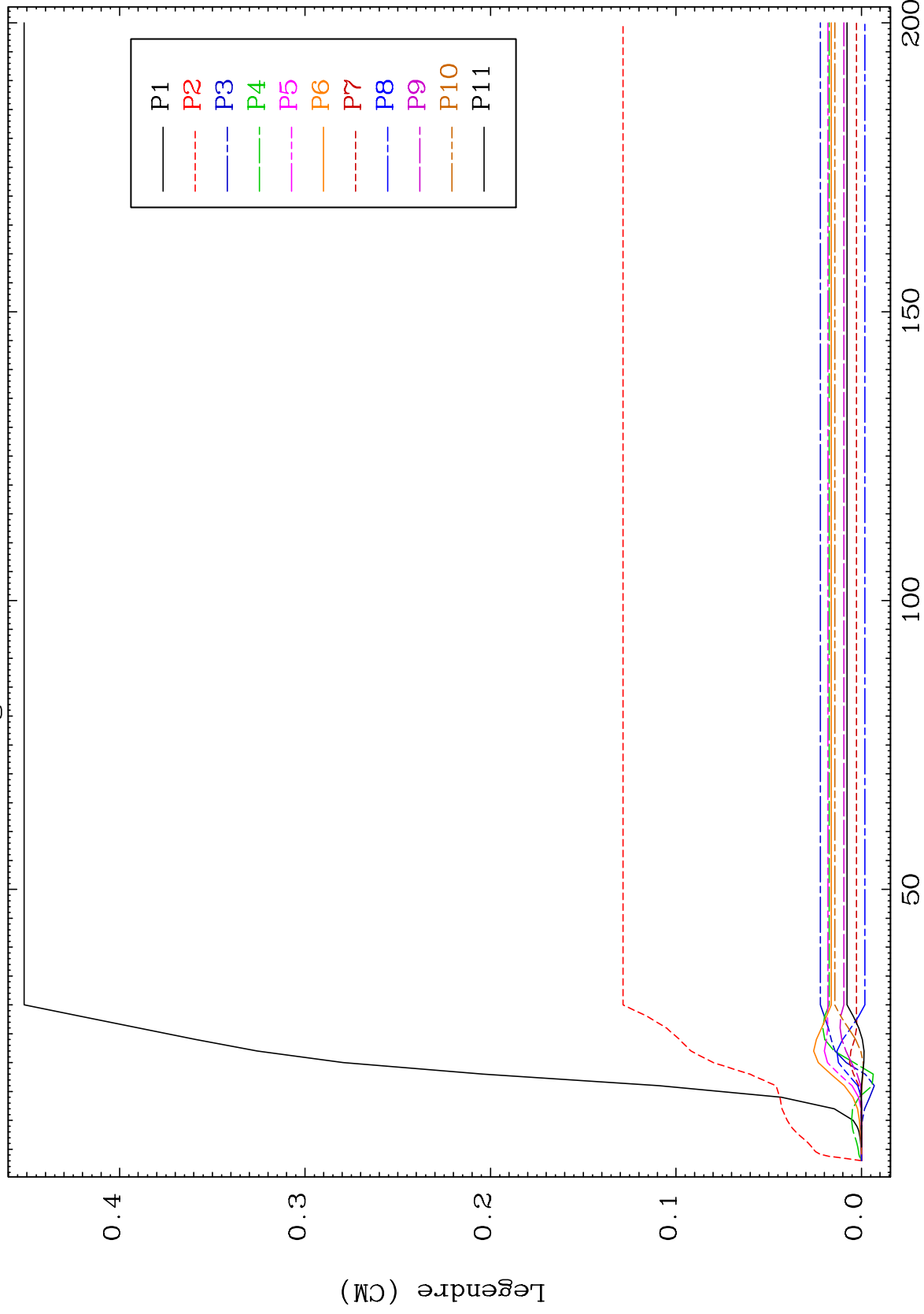
25-Mn-53



MAT 2519

MT= 69 (n,n') Level  
Legendre Coefficients

25-Mn-53



72

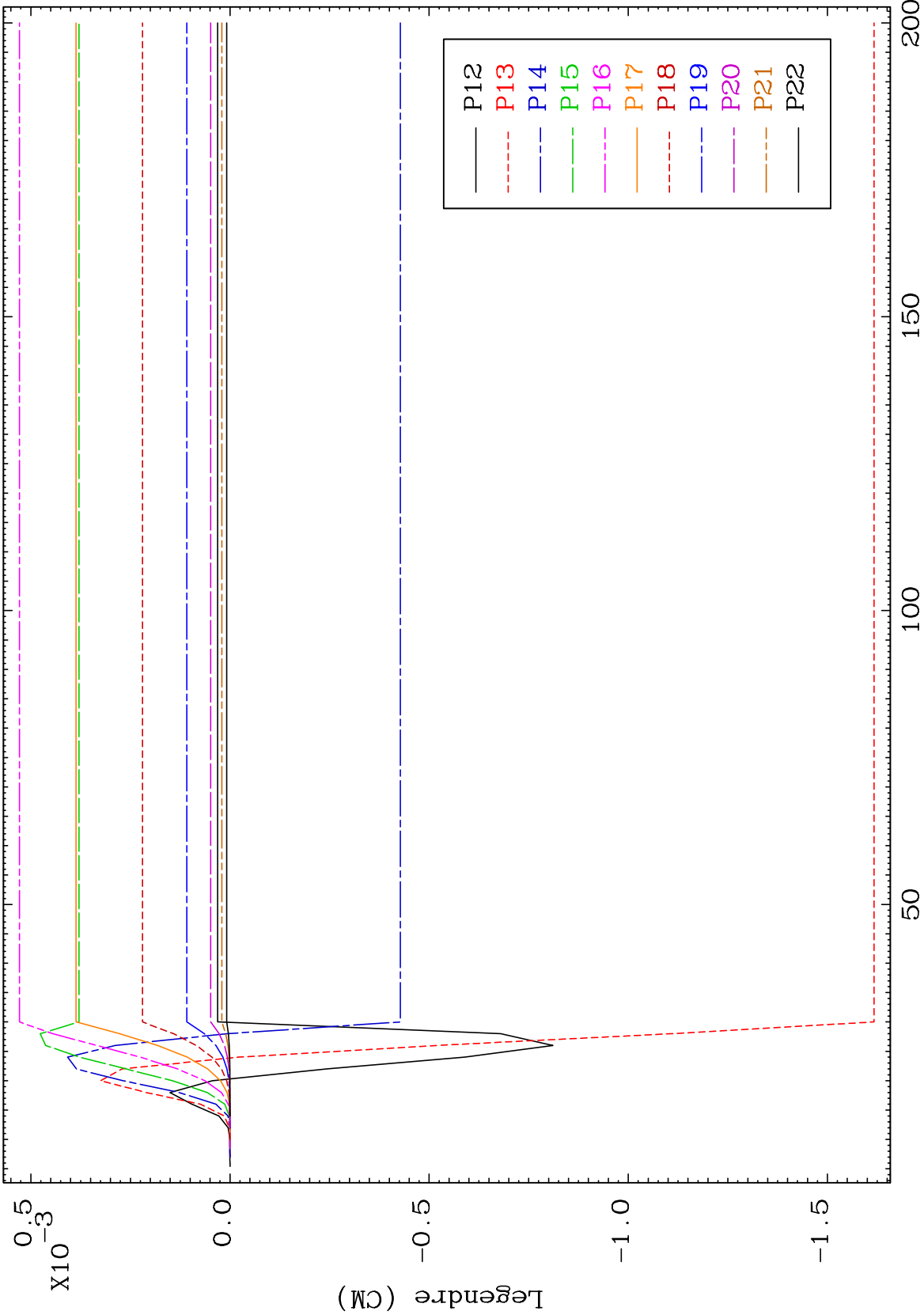
Incident Energy (MeV)

25-Mn-53

MAT 2519

MT= 69 (n,n') Level  
Legendre Coefficients

25-Mn-53



73

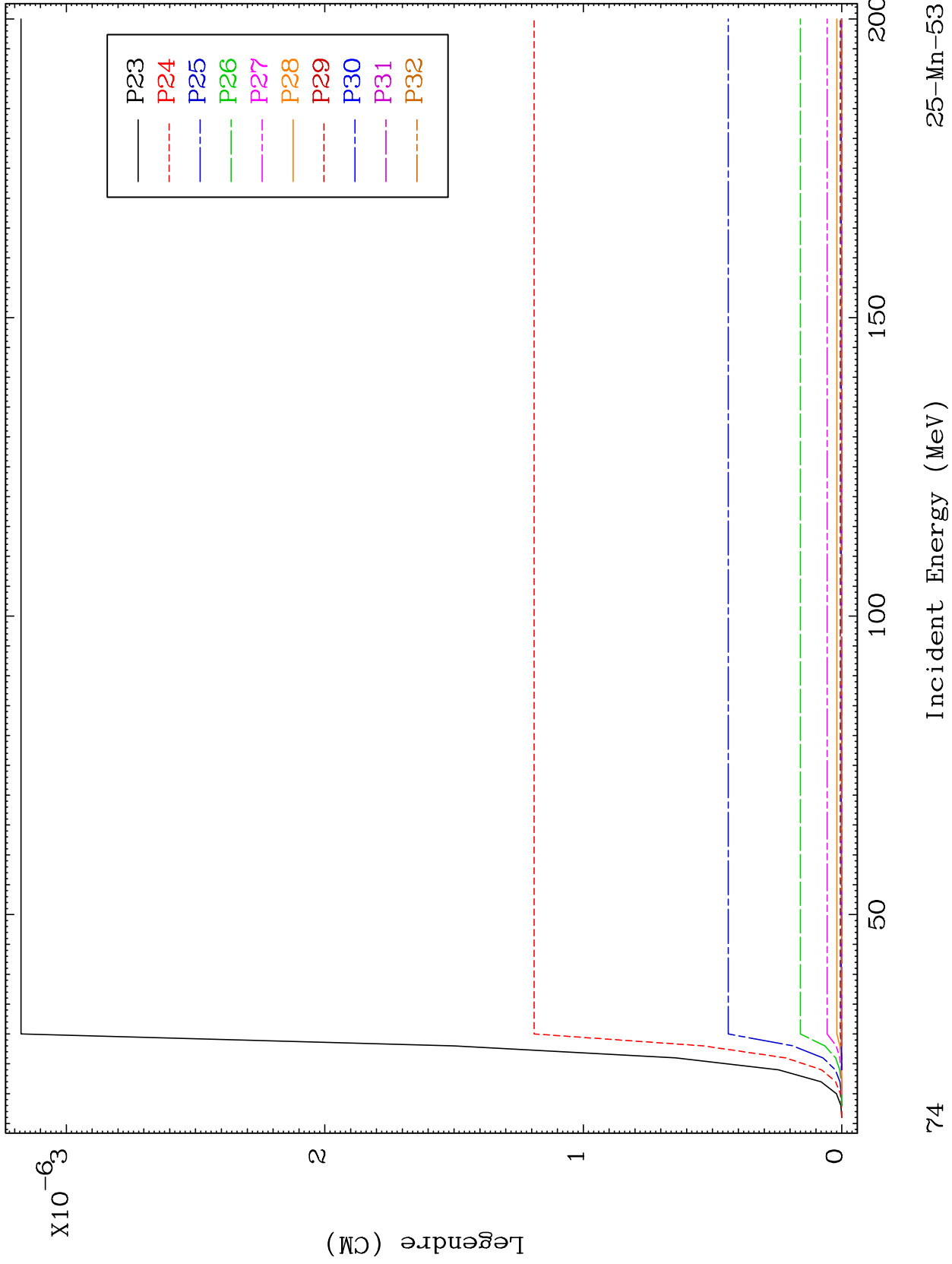
Incident Energy (MeV)

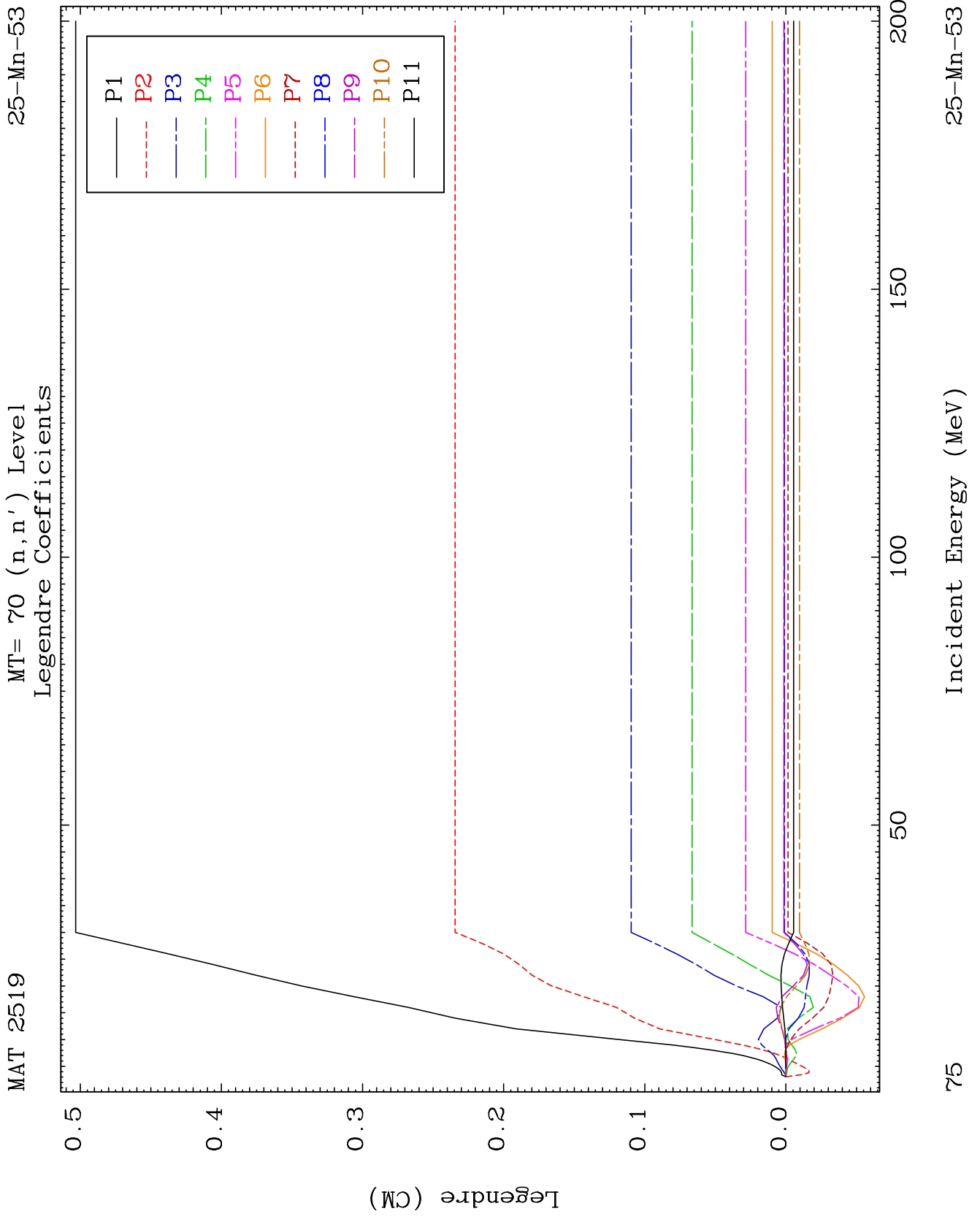
25-Mn-53

MAT 2519

MT= 69 (n,n') Level  
Legendre Coefficients

25-Mn-53

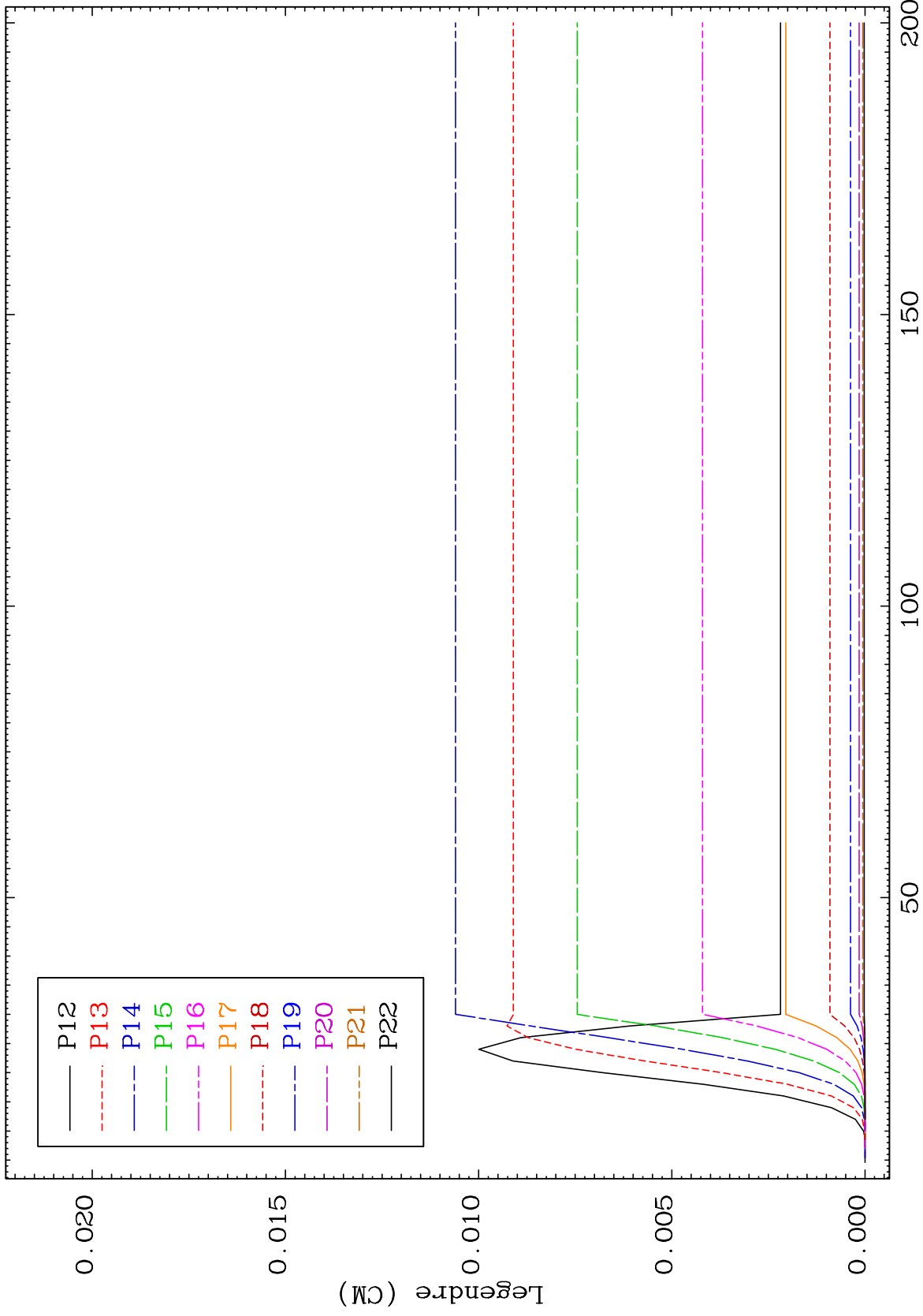




MAT 2519

MT= 70 (n,n') Level  
Legendre Coefficients

25-Mn-53



76

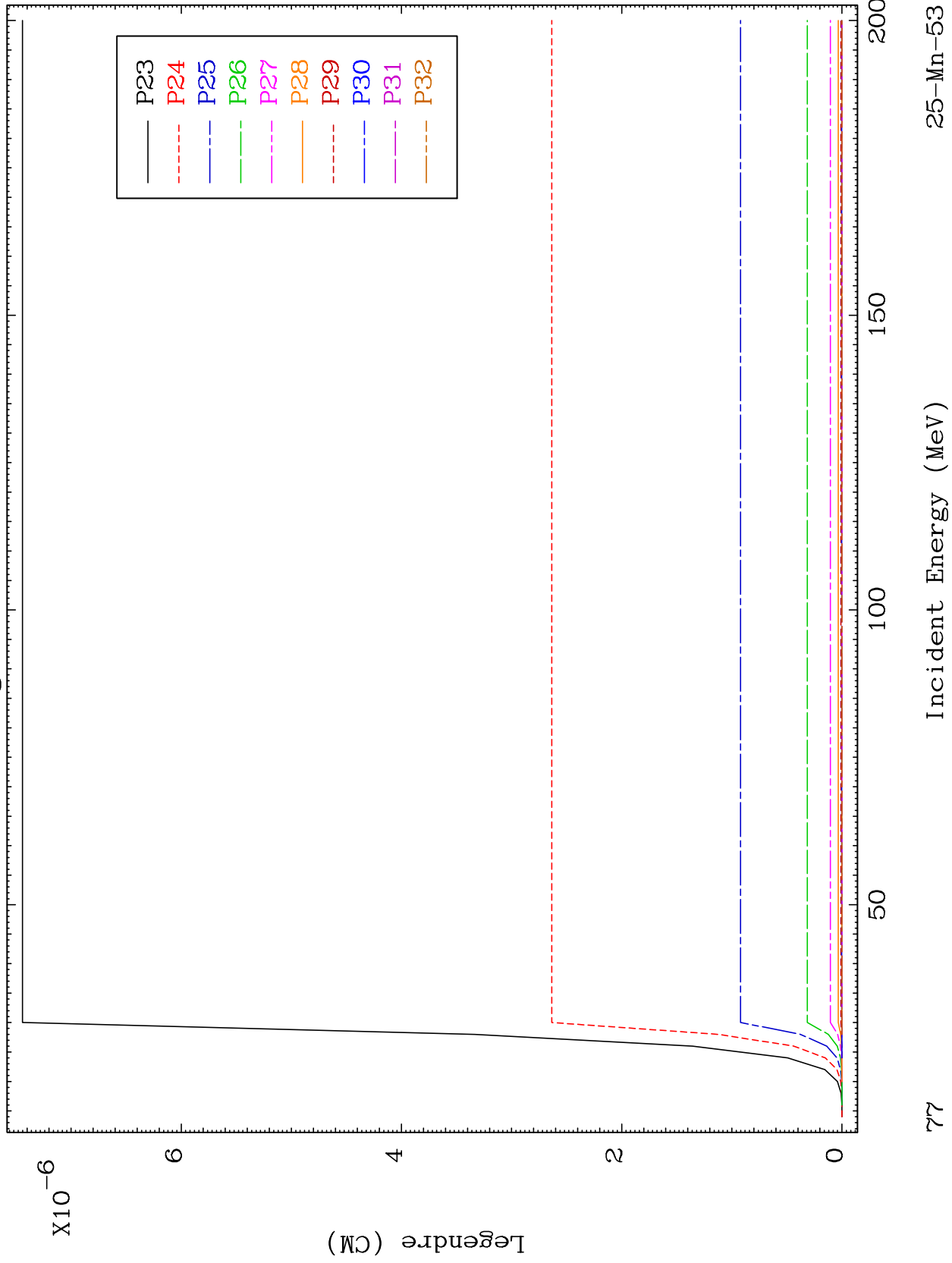
Incident Energy (MeV)

25-Mn-53

MAT 2519

MT= 70 (n,n') Level  
Legendre Coefficients

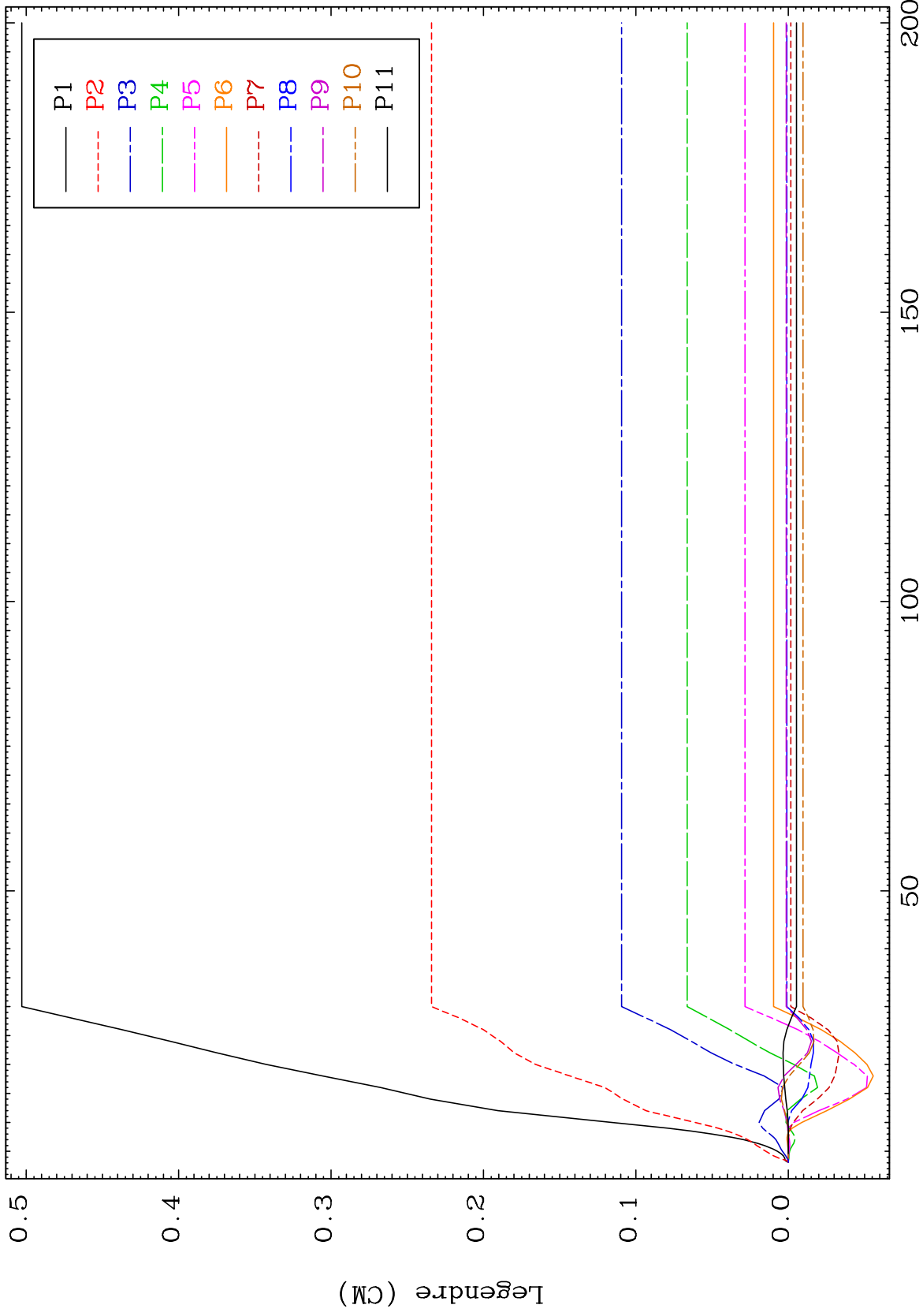
25-Mn-53



MAT 2519

MT= 71 (n,n') Level  
Legendre Coefficients

25-Mn-53



78

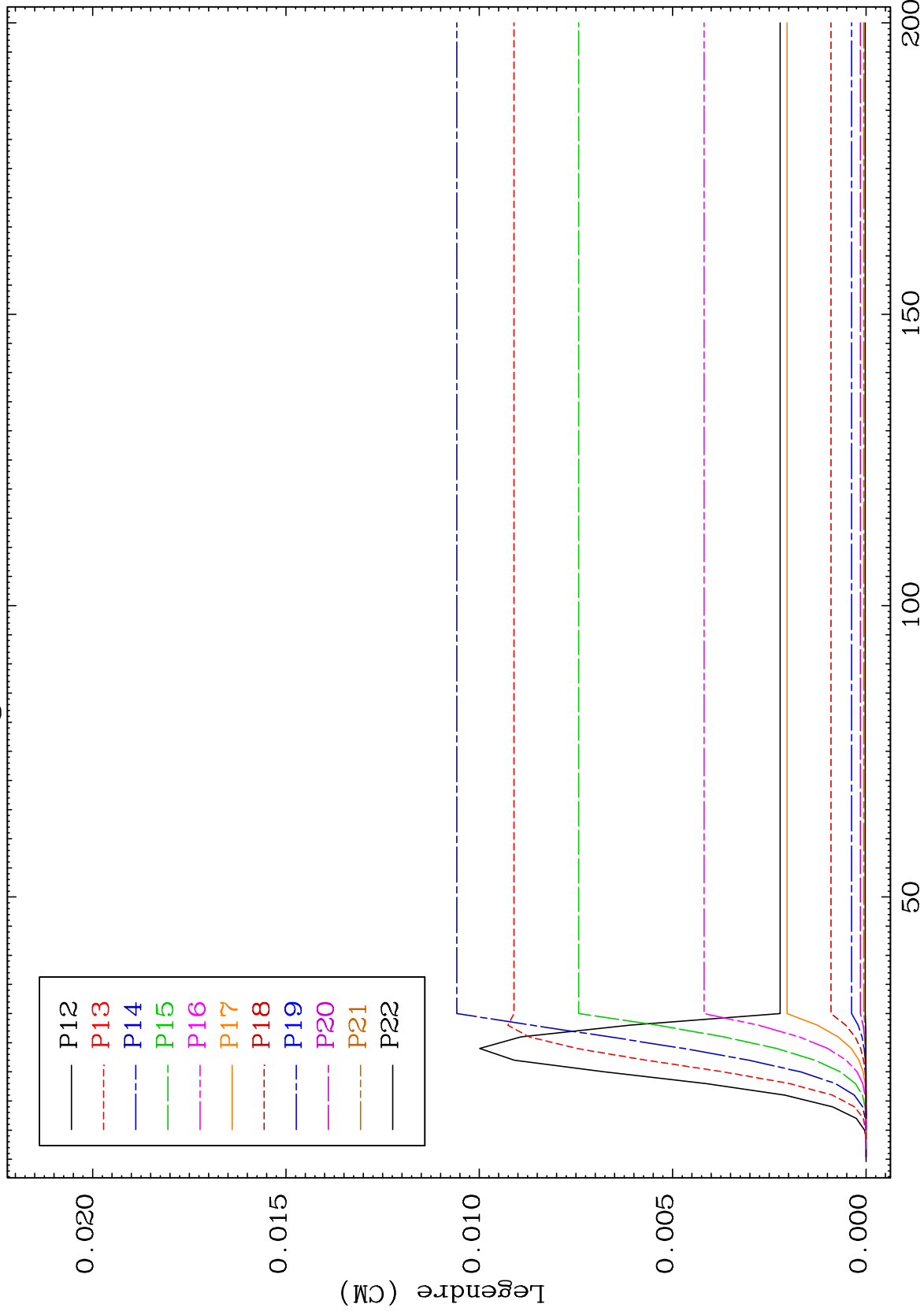
Incident Energy (MeV)

25-Mn-53

MAT 2519

MT= 71 (n,n') Level  
Legendre Coefficients

25-Mn-53



79

Incident Energy (MeV)

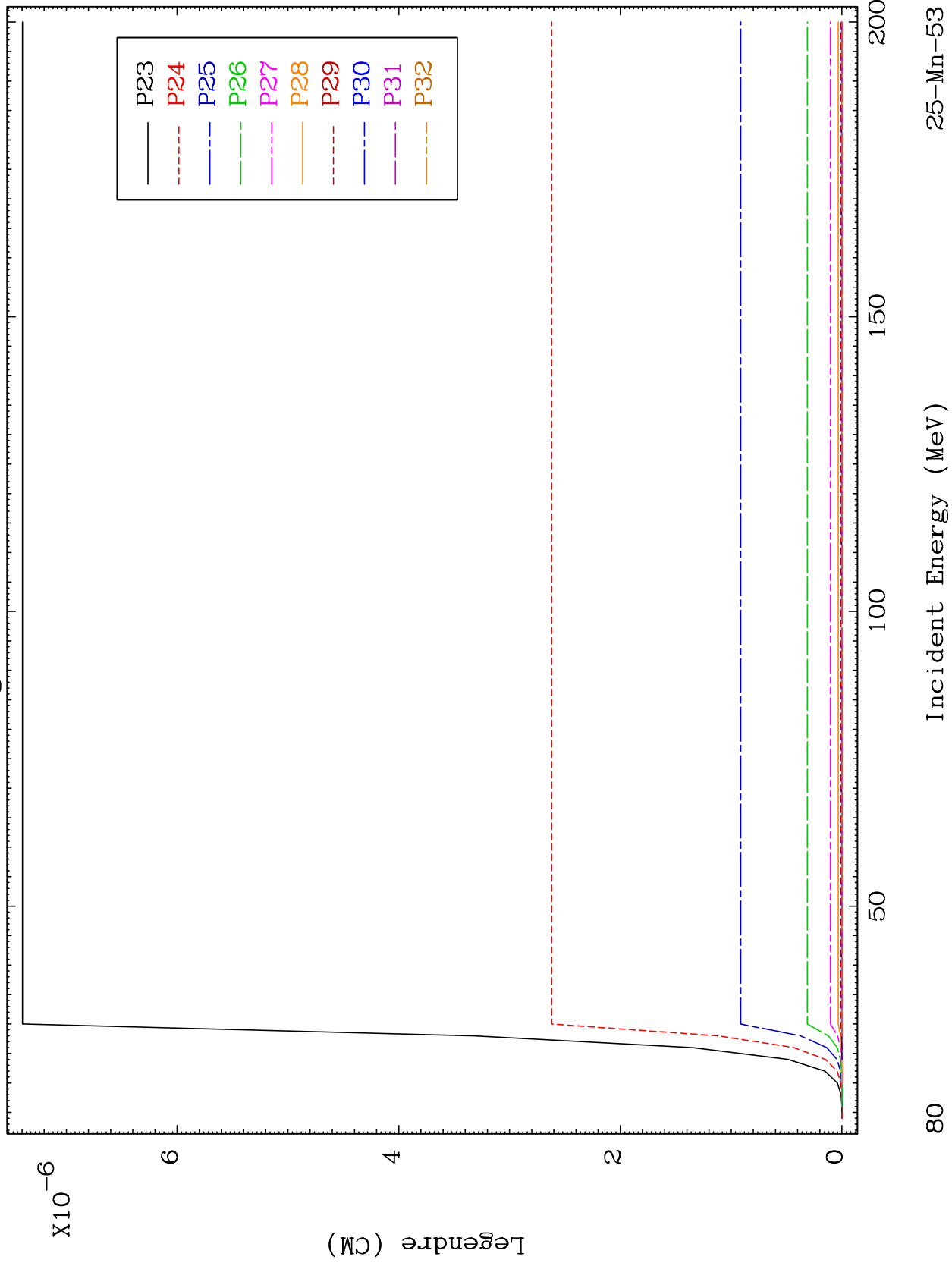
25-Mn-53

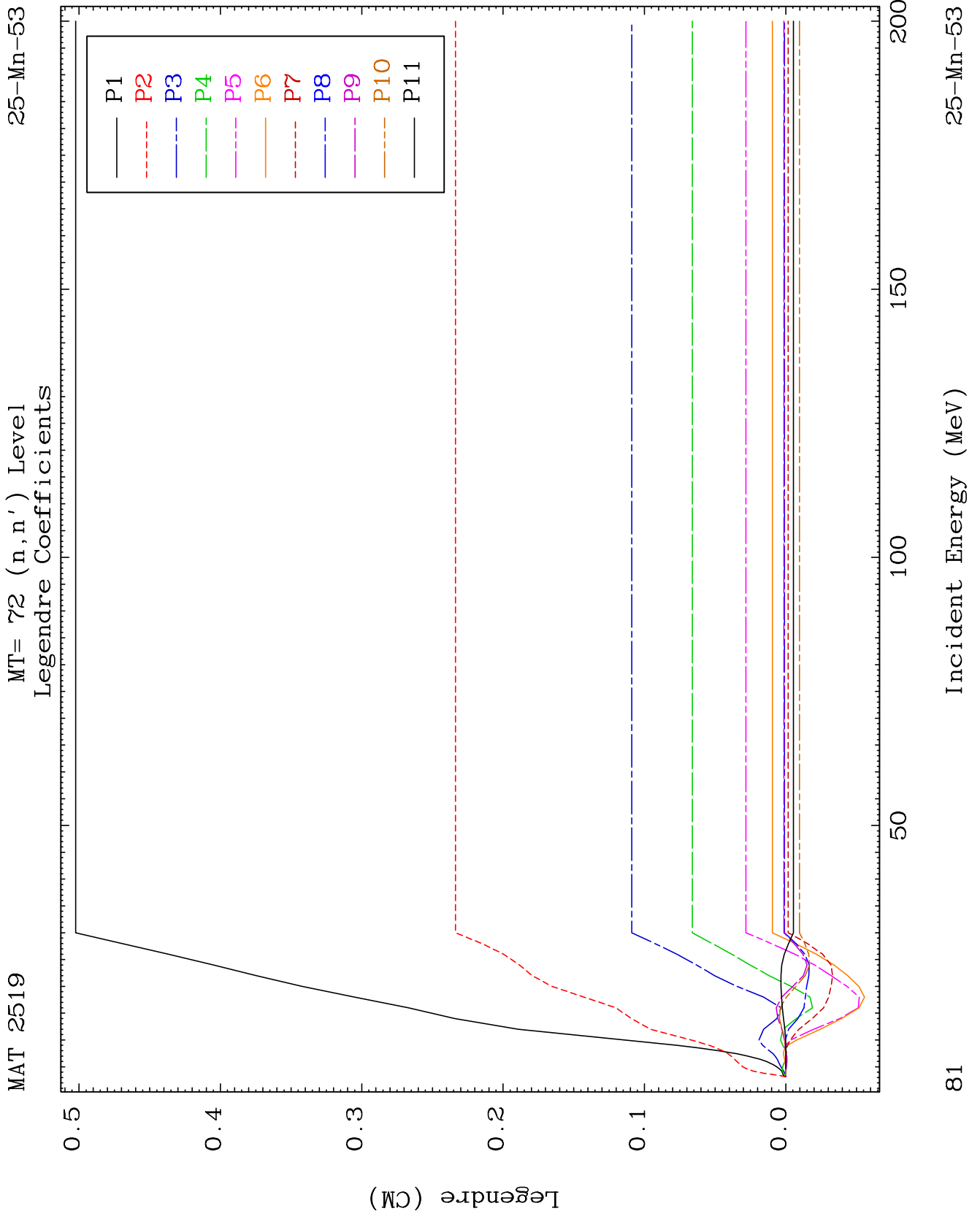


MAT 2519

MT= 71 (n,n') Level  
Legendre Coefficients

25-Mn-53

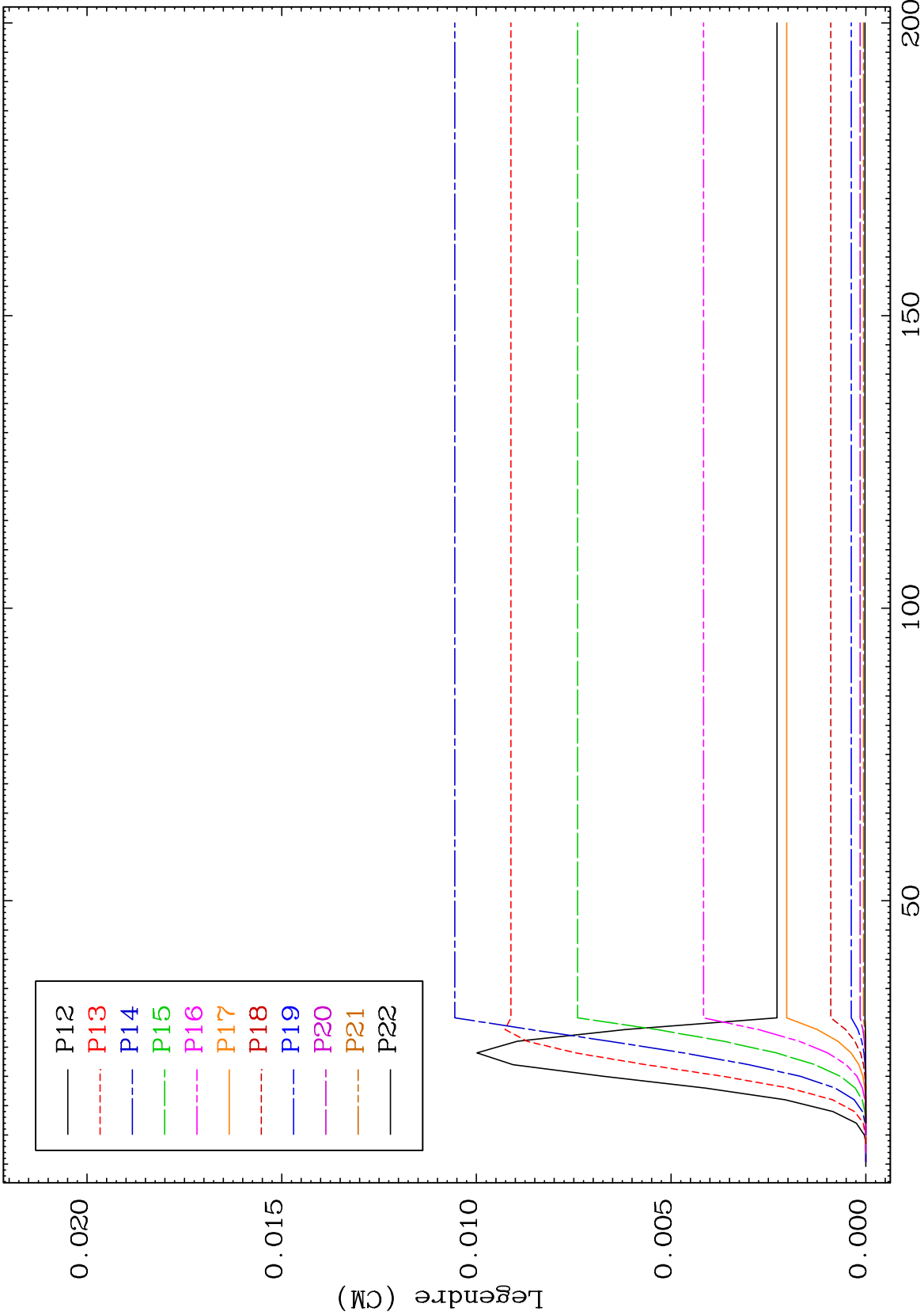




MAT 2519

MT= 72 (n,n') Level  
Legendre Coefficients

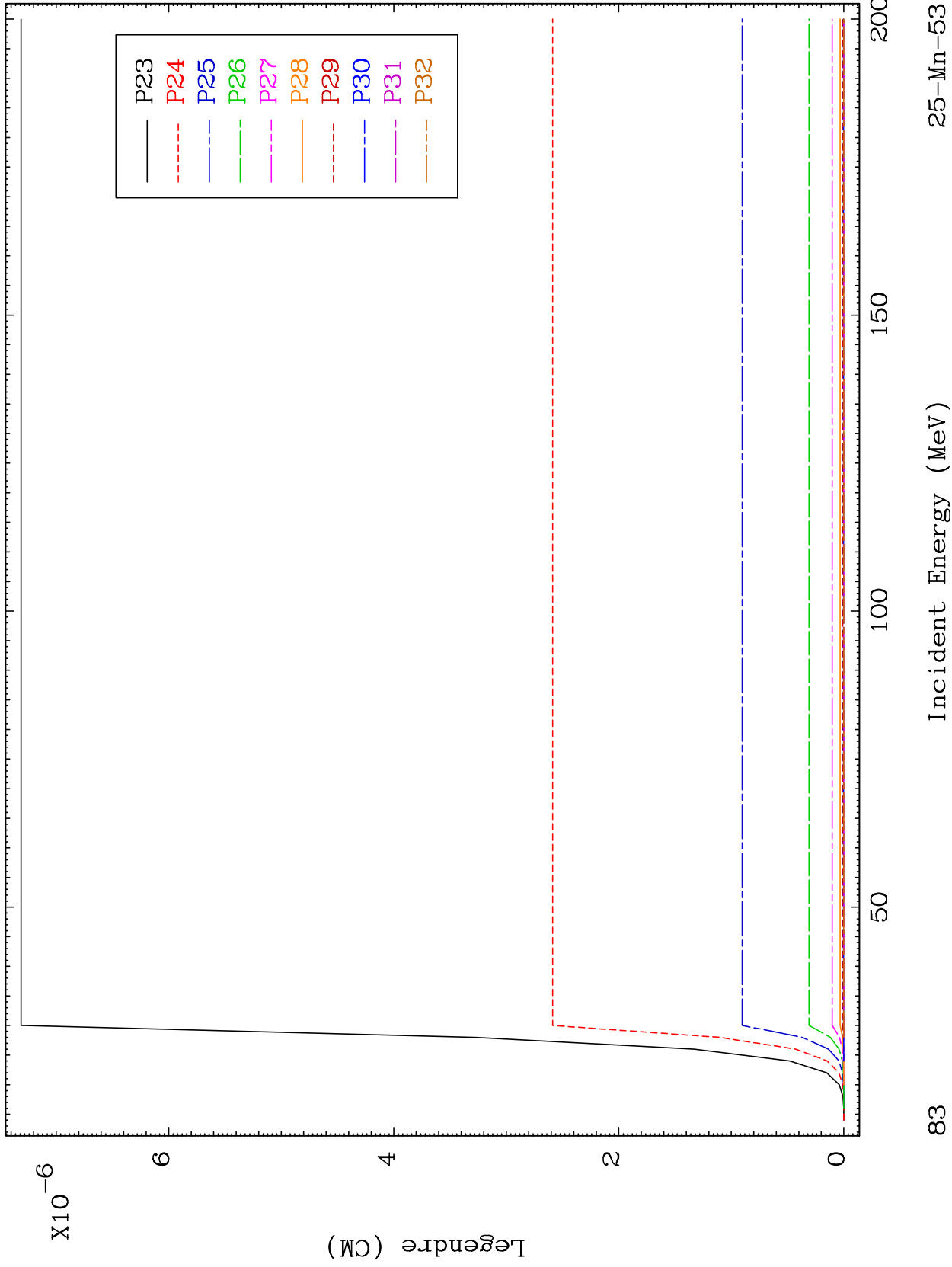
25-Mn-53



MAT 2519

MT= 72 (n,n') Level  
Legendre Coefficients

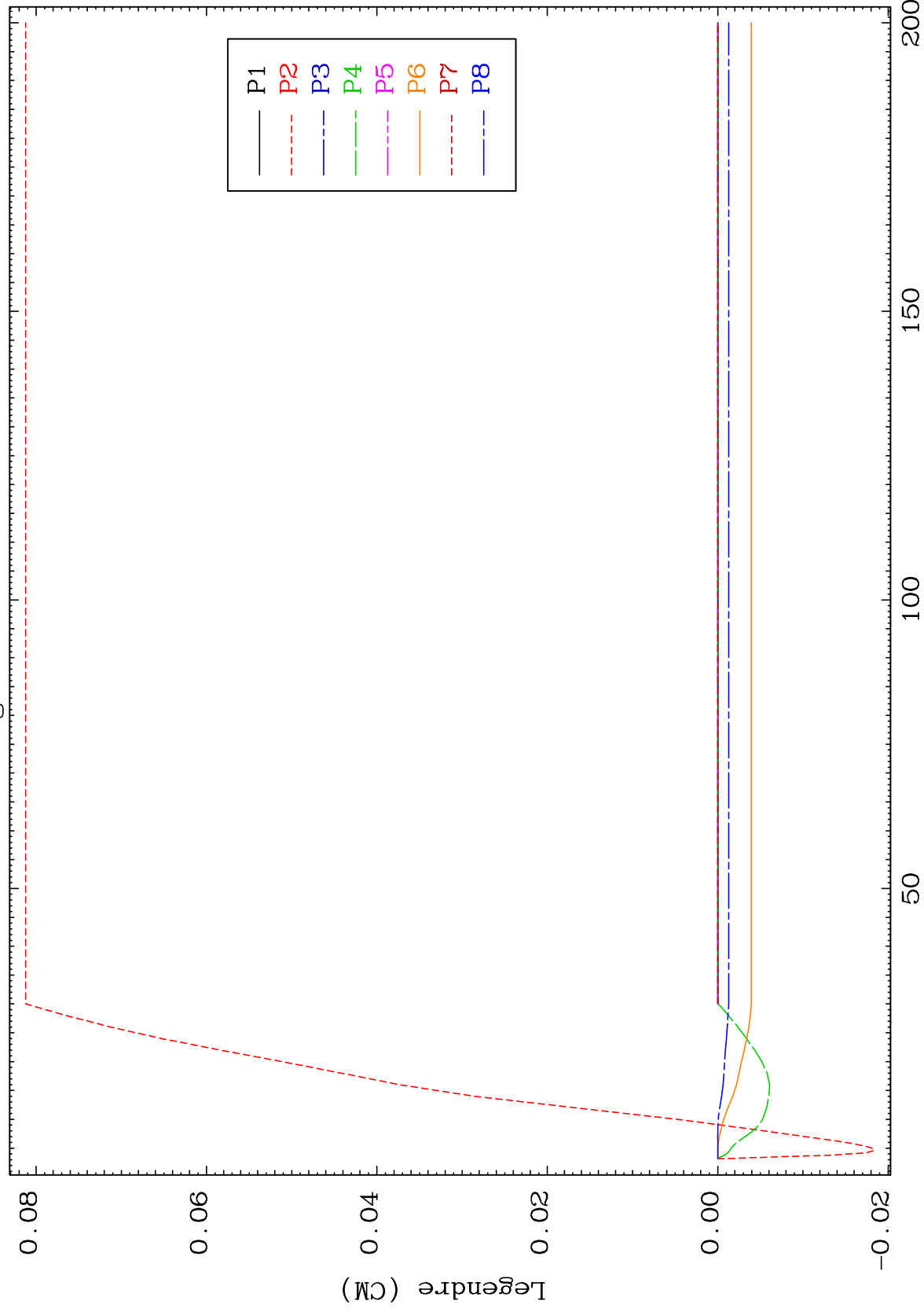
25-Mn-53



MAT 2519

MT= 73 (n,n') Level  
Legendre Coefficients

25-Mn-53



84

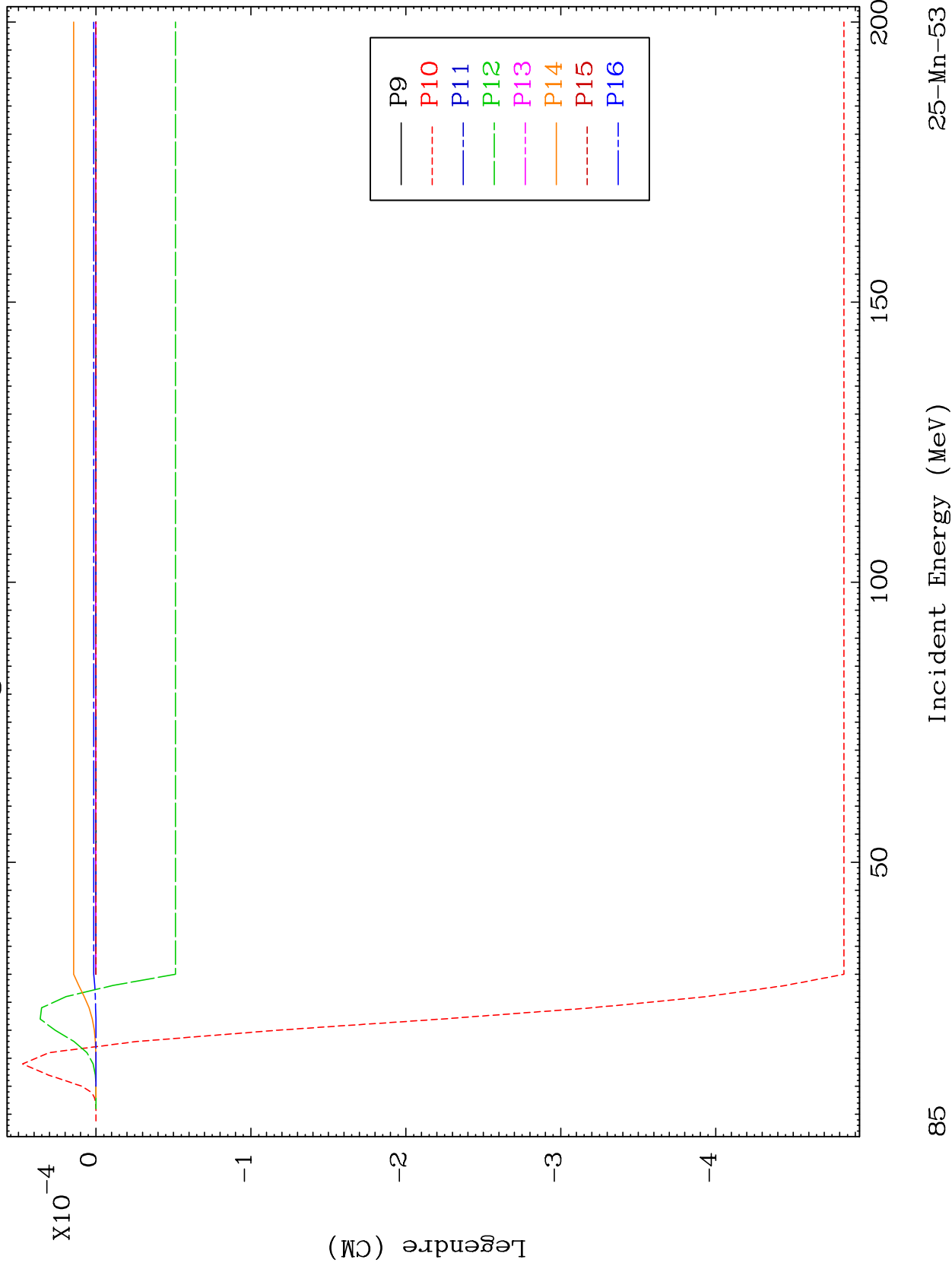
Incident Energy (MeV)

25-Mn-53

MAT 2519

MT= 73 (n,n') Level  
Legendre Coefficients

25-Mn-53



85

Incident Energy (MeV)

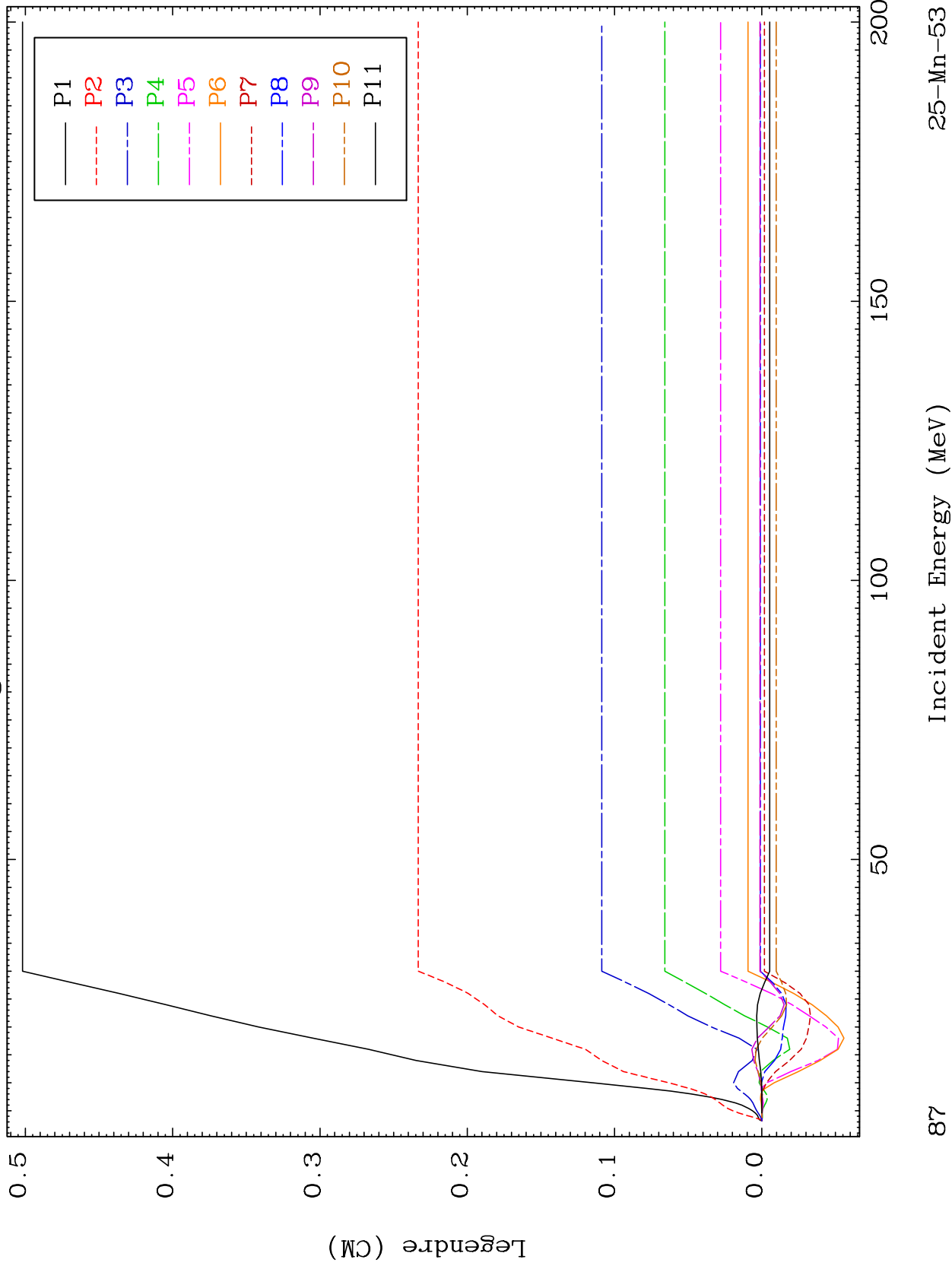
25-Mn-53



MAT 2519

MT= 74 (n,n') Level  
Legendre Coefficients

25-Mn-53



87

Incident Energy (MeV)

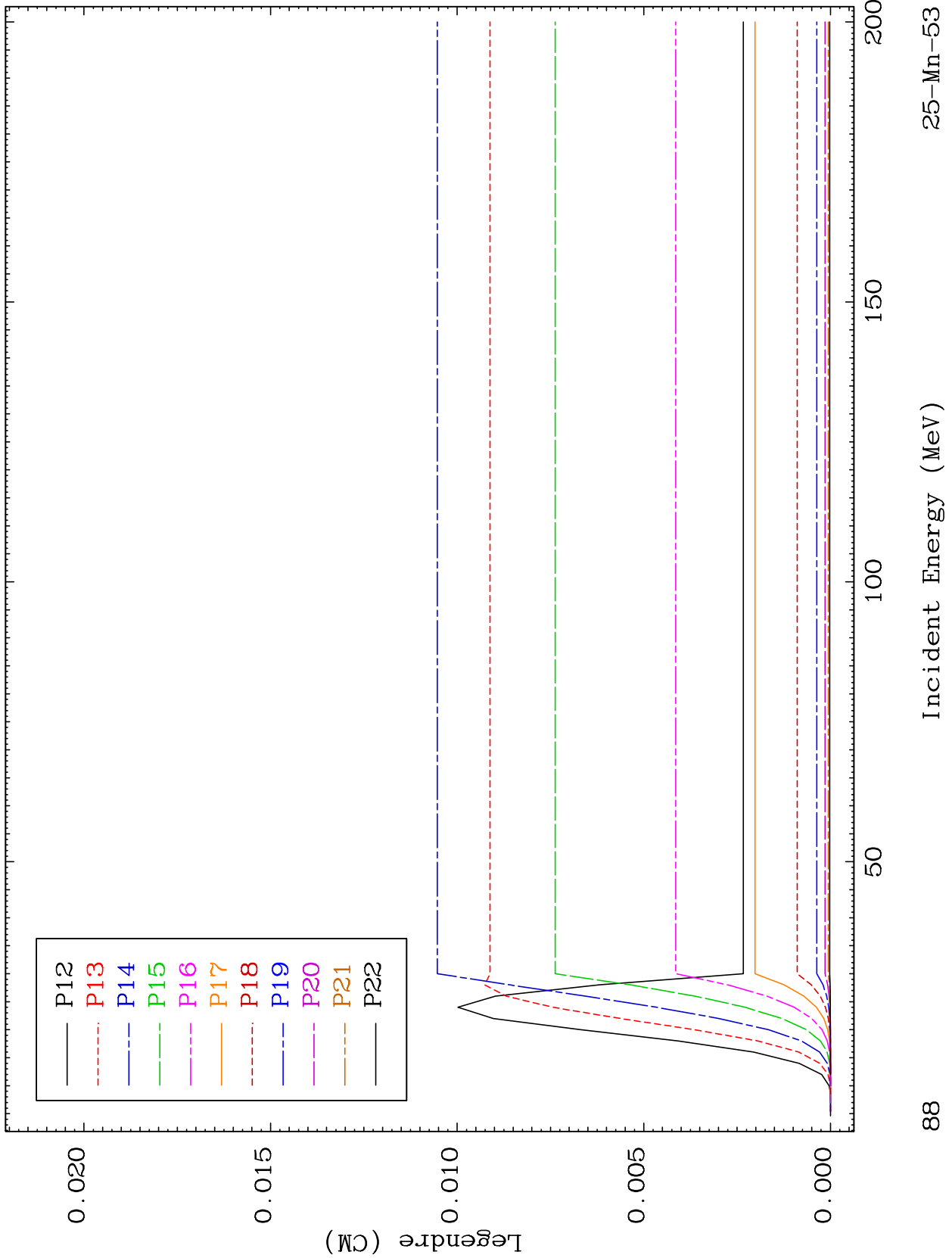
25-Mn-53



MAT 2519

MT= 74 (n,n') Level  
Legendre Coefficients

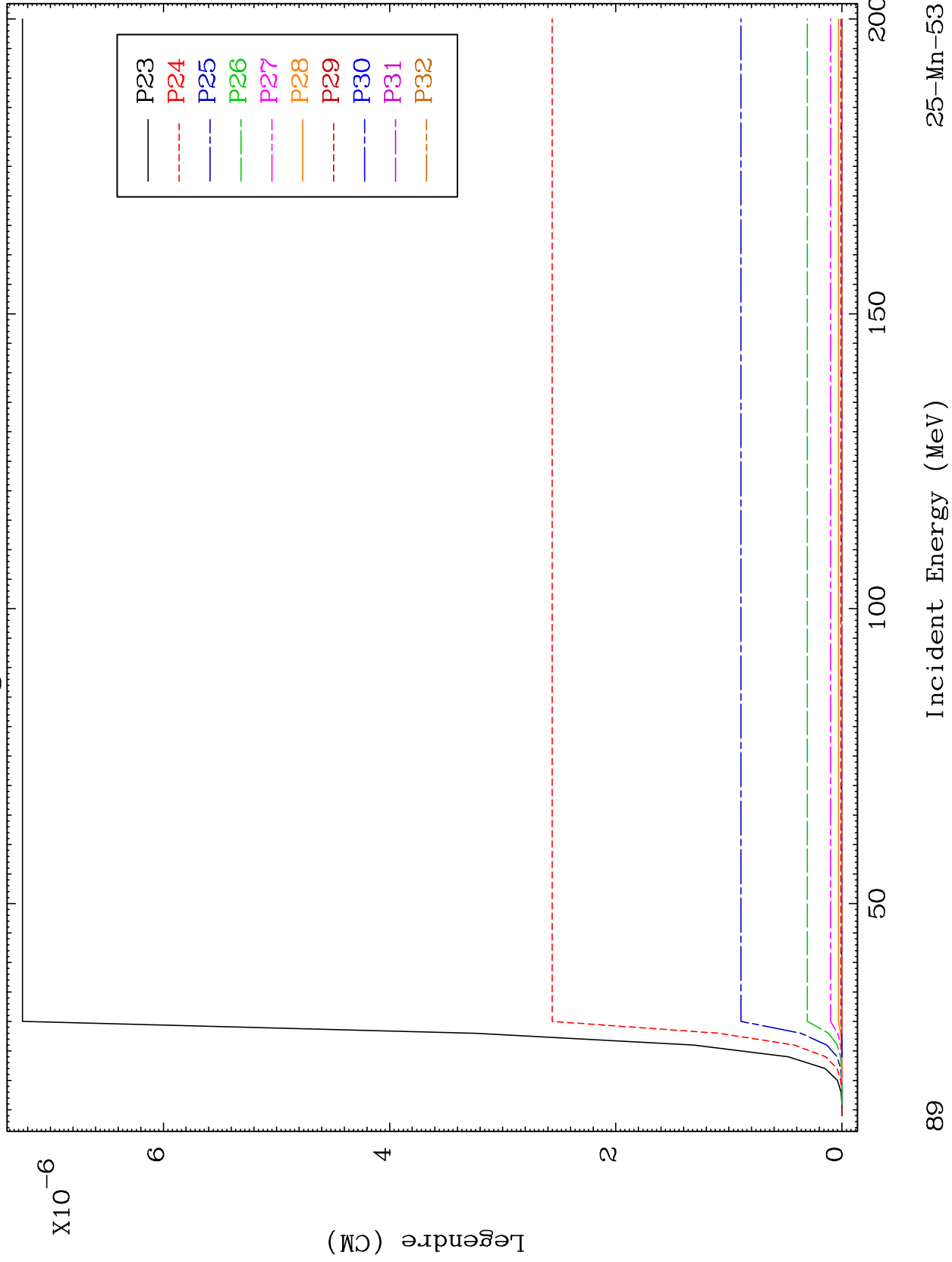
25-Mn-53



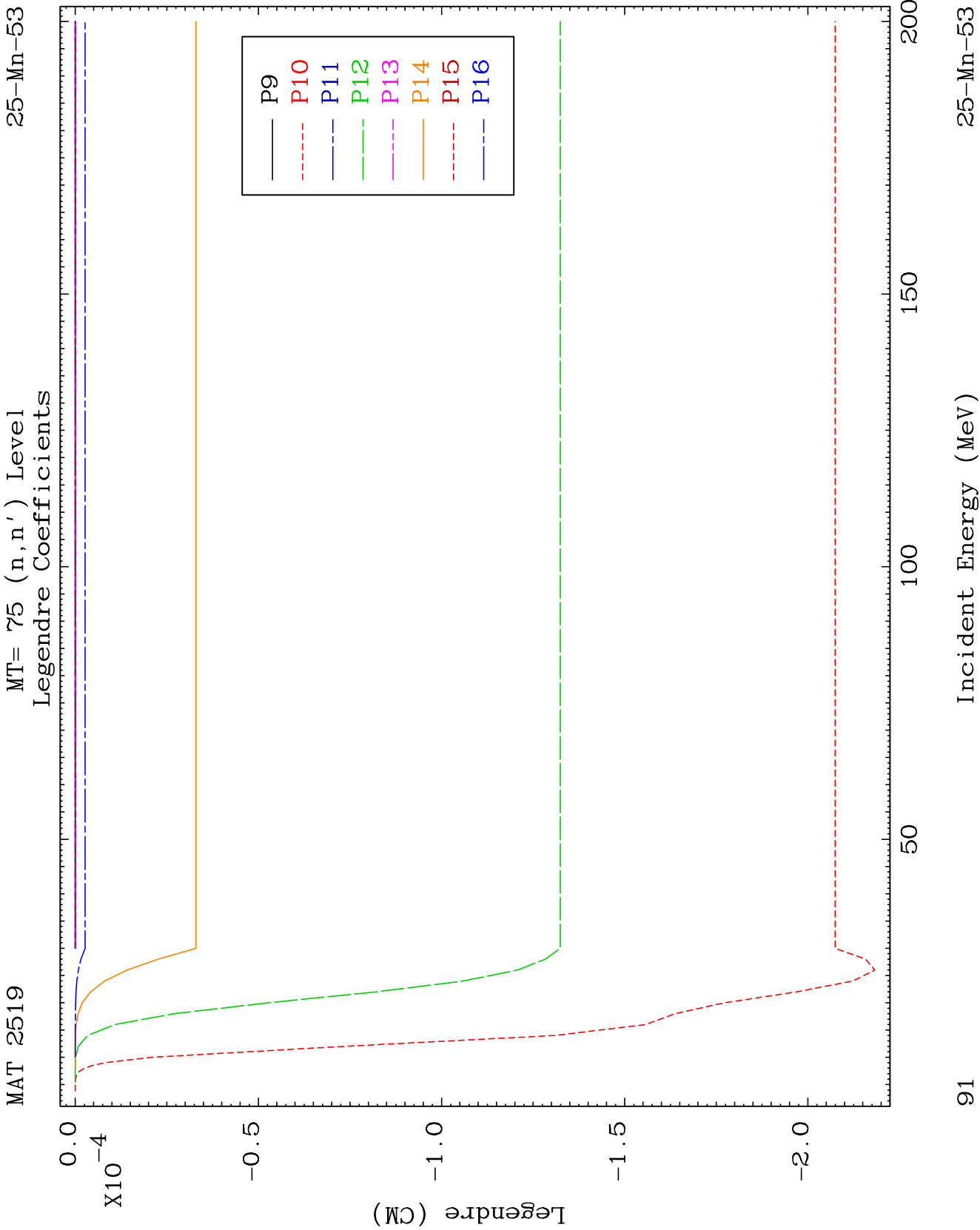
MAT 2519

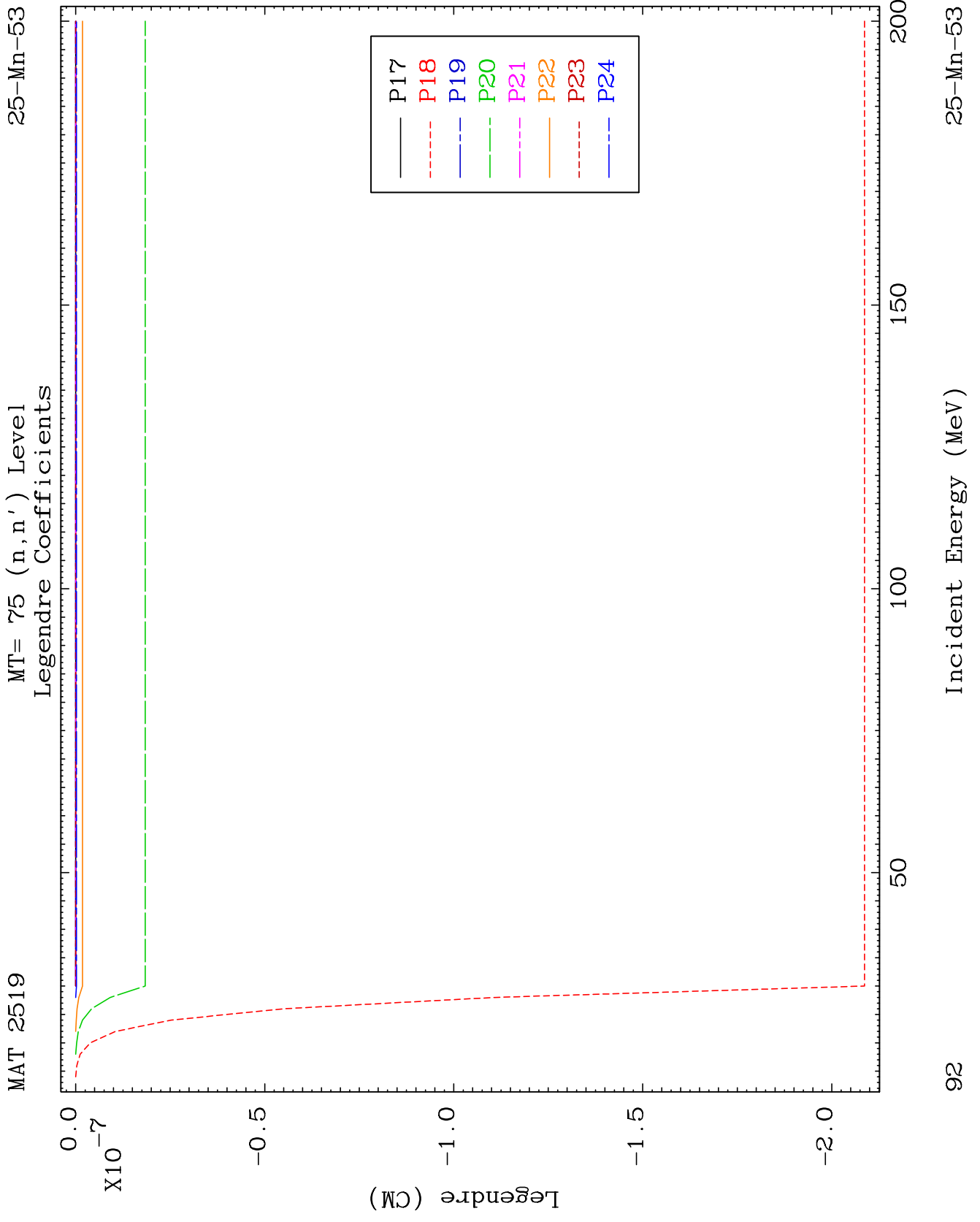
MT= 74 (n,n') Level  
Legendre Coefficients

25-Mn-53





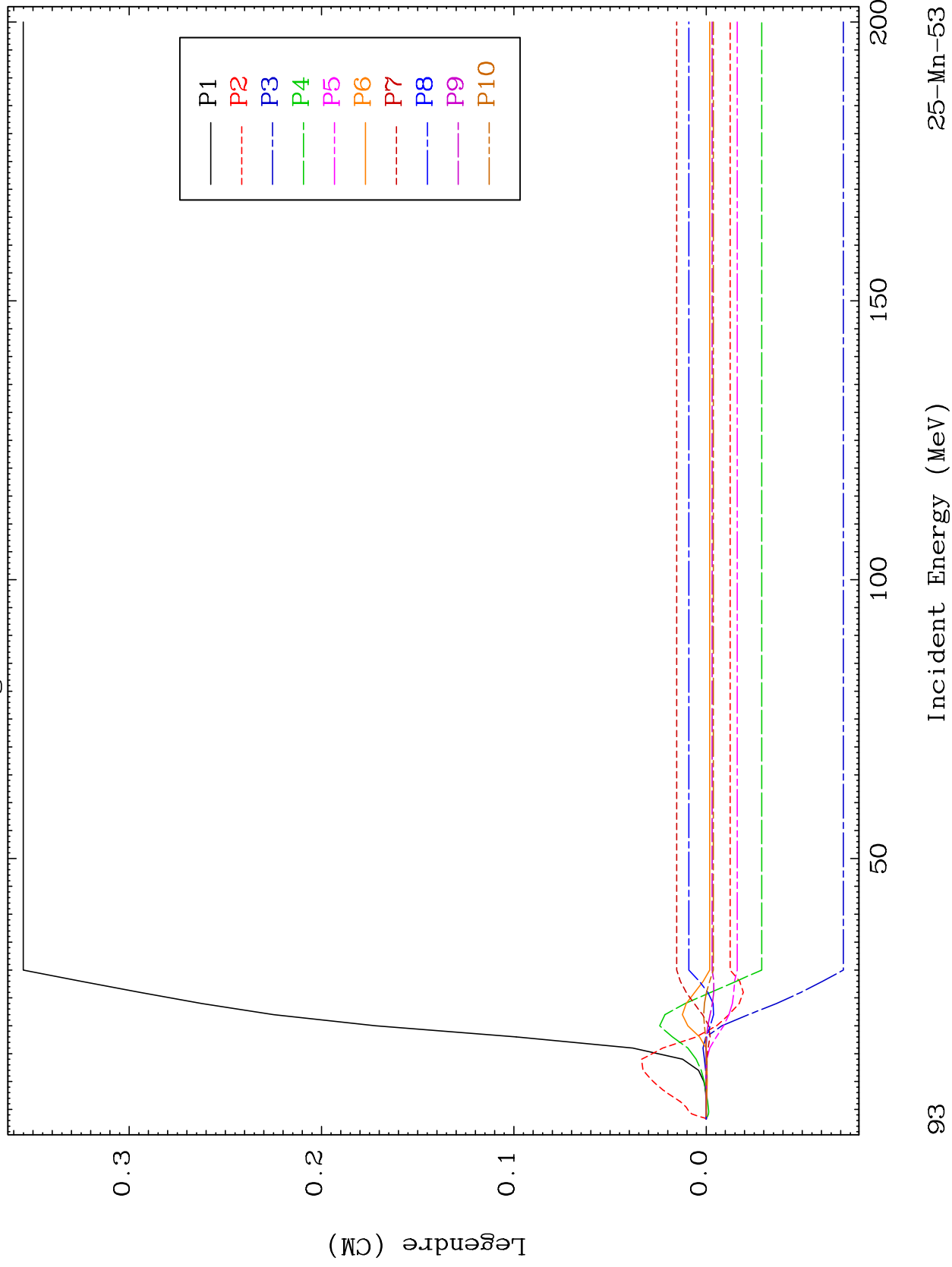




MAT 2519

MT= 76 (n,n') Level  
Legendre Coefficients

25-Mn-53



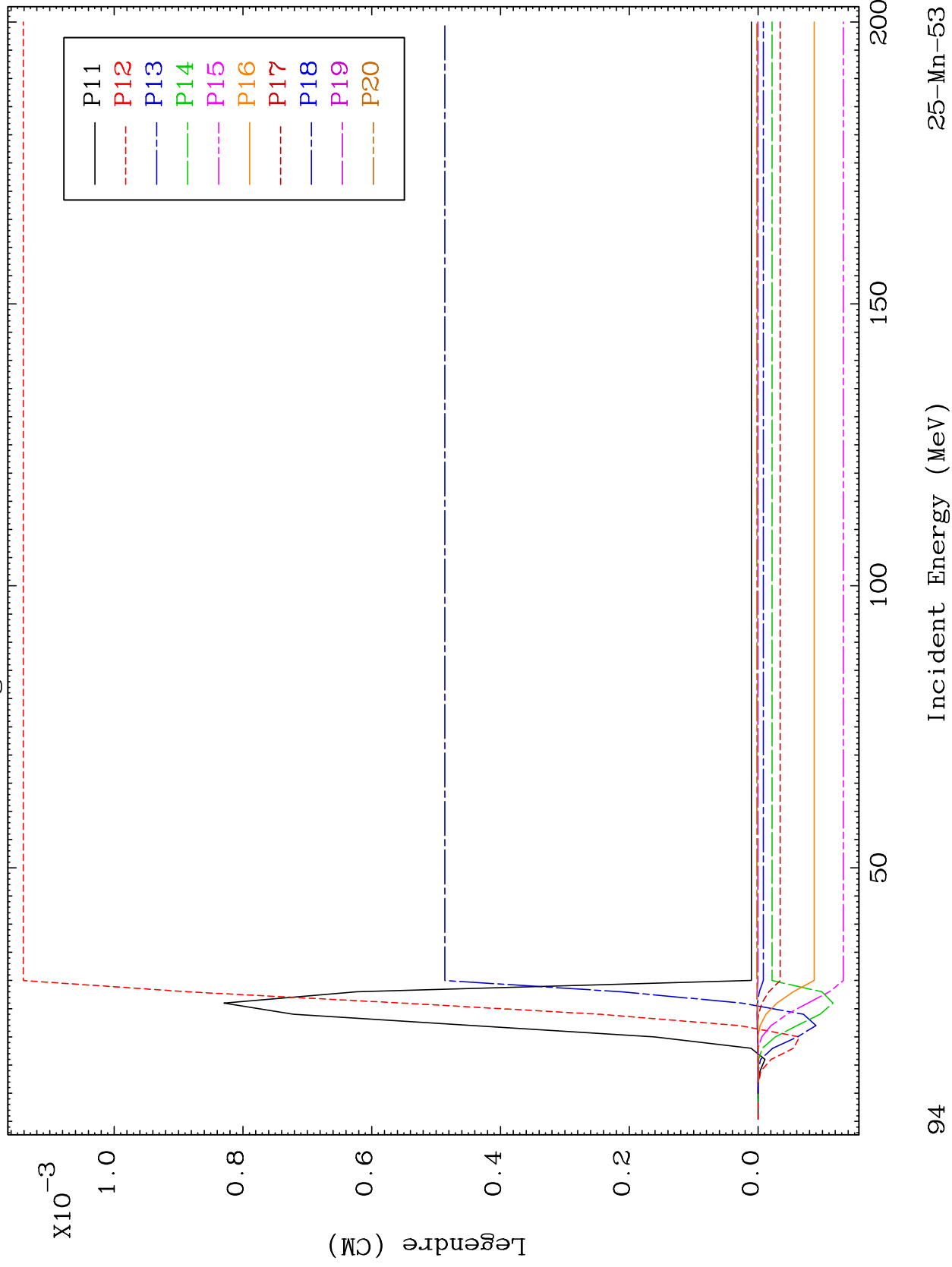
93

25-Mn-53

MAT 2519

MT= 76 (n,n') Level  
Legendre Coefficients

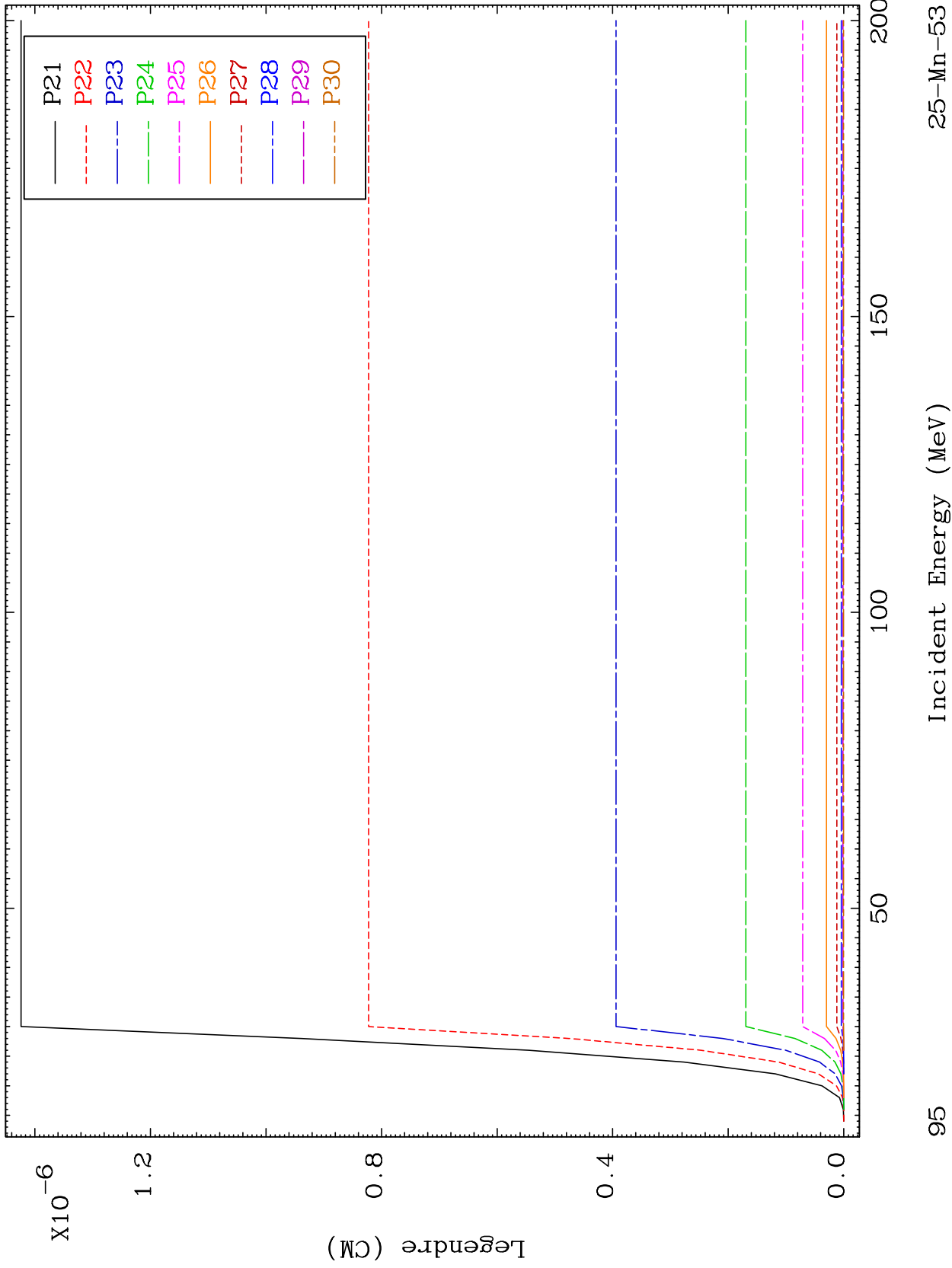
25-Mn-53



MAT 2519

MT= 76 (n,n') Level  
Legendre Coefficients

25-Mn-53



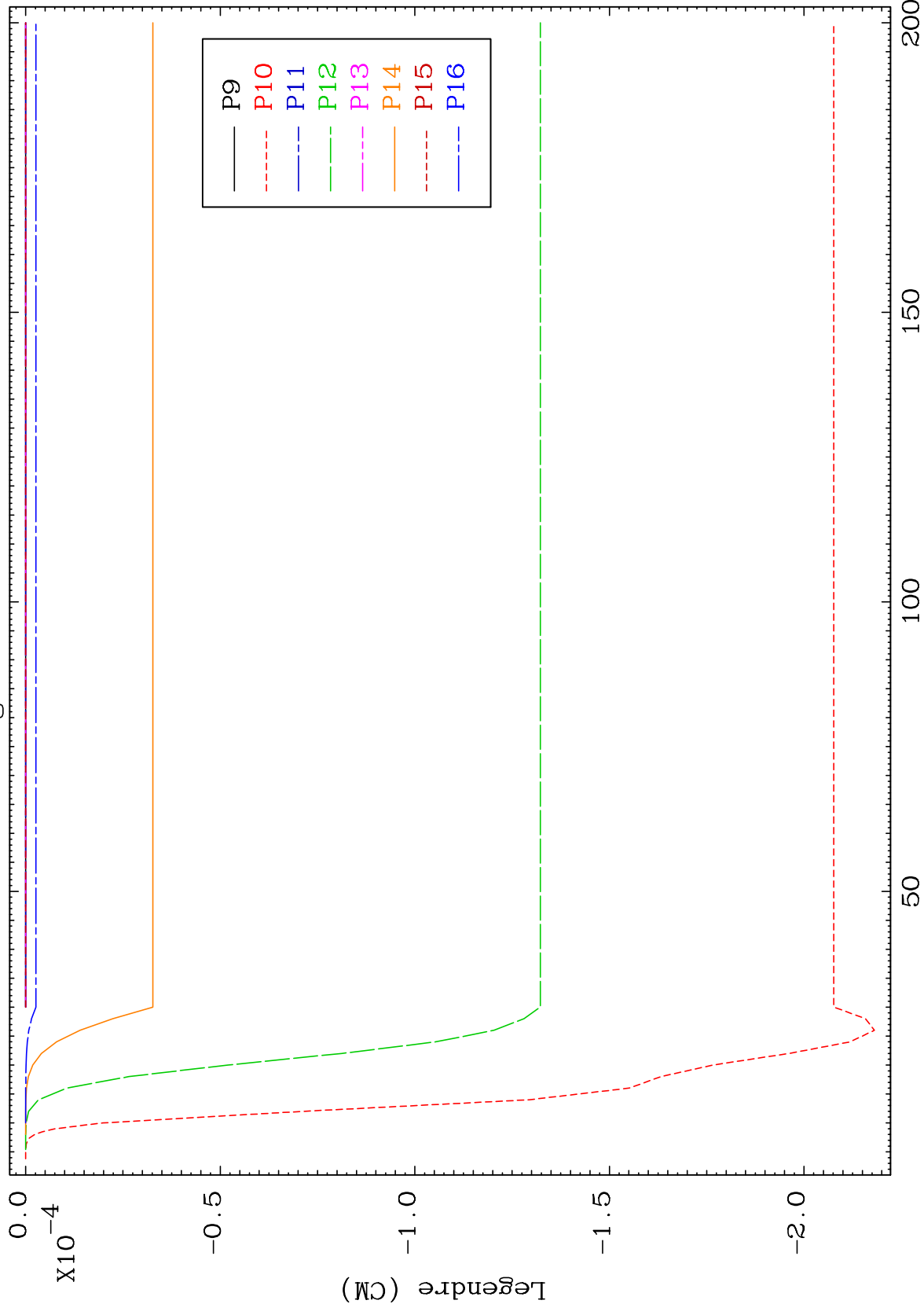
95

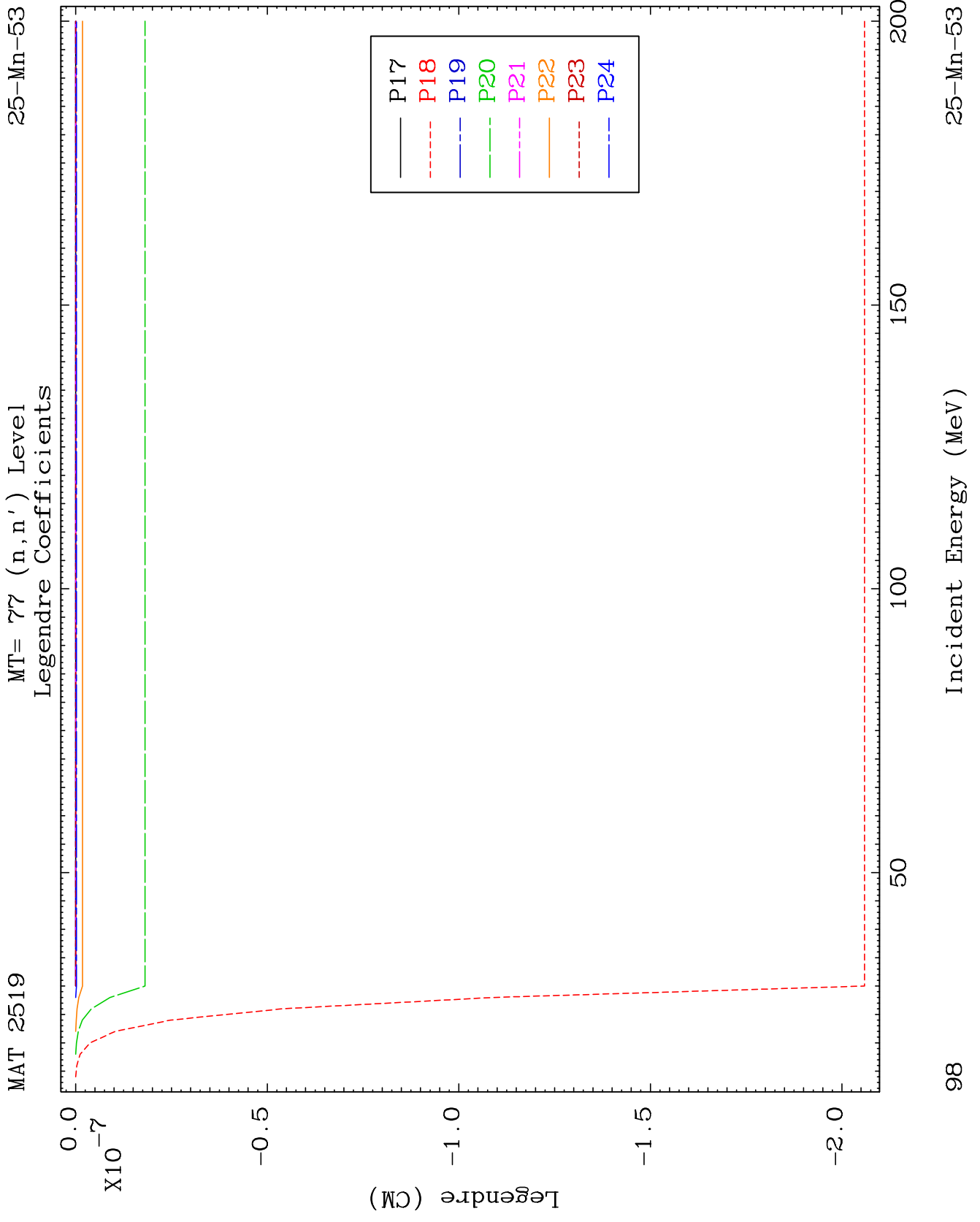
Incident Energy (MeV)

25-Mn-53





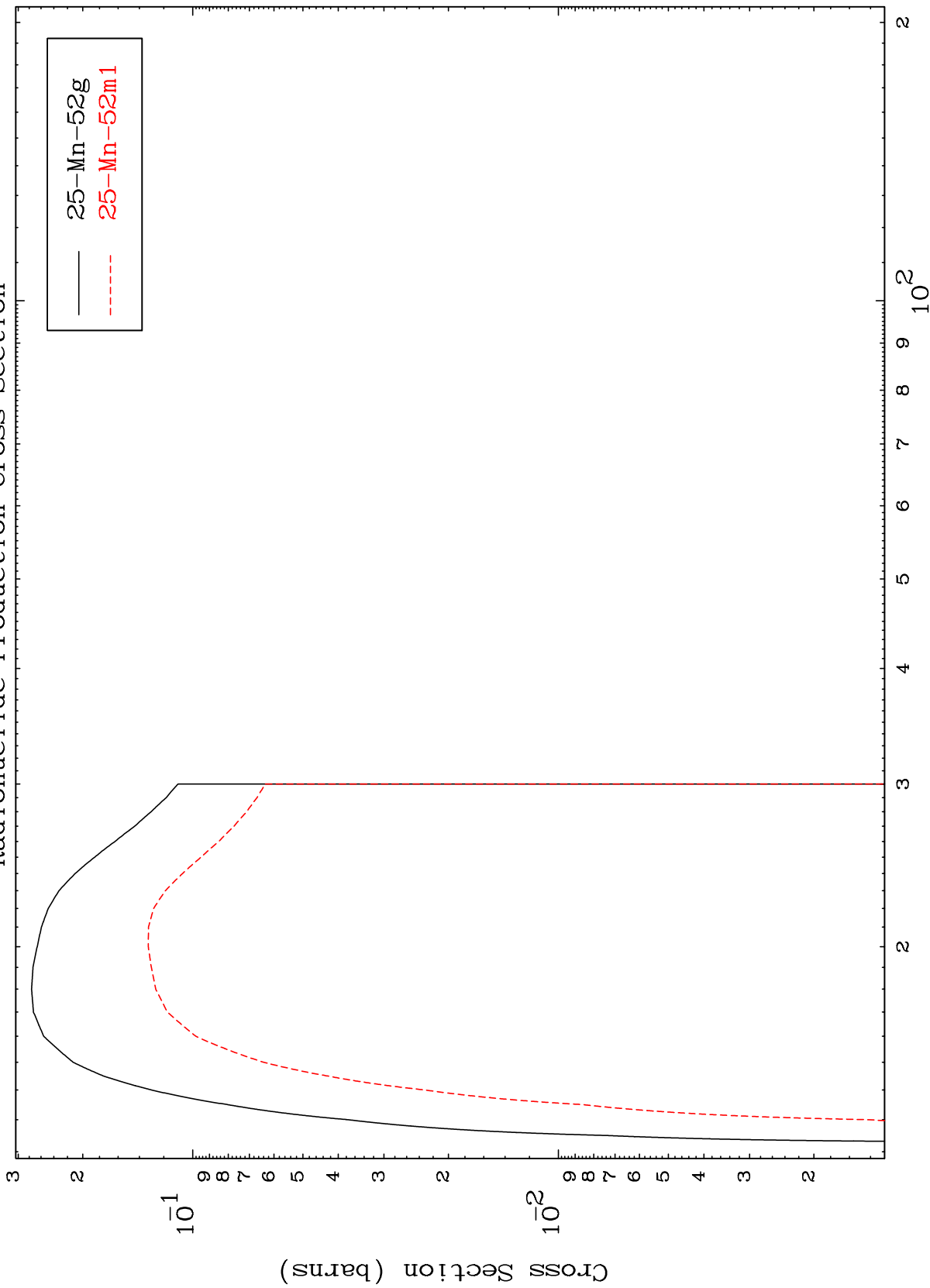




MAT 2519

25-Mn-53

(n,2n)  
Radionuclide Production Cross Section



99

Incident Energy (MeV)

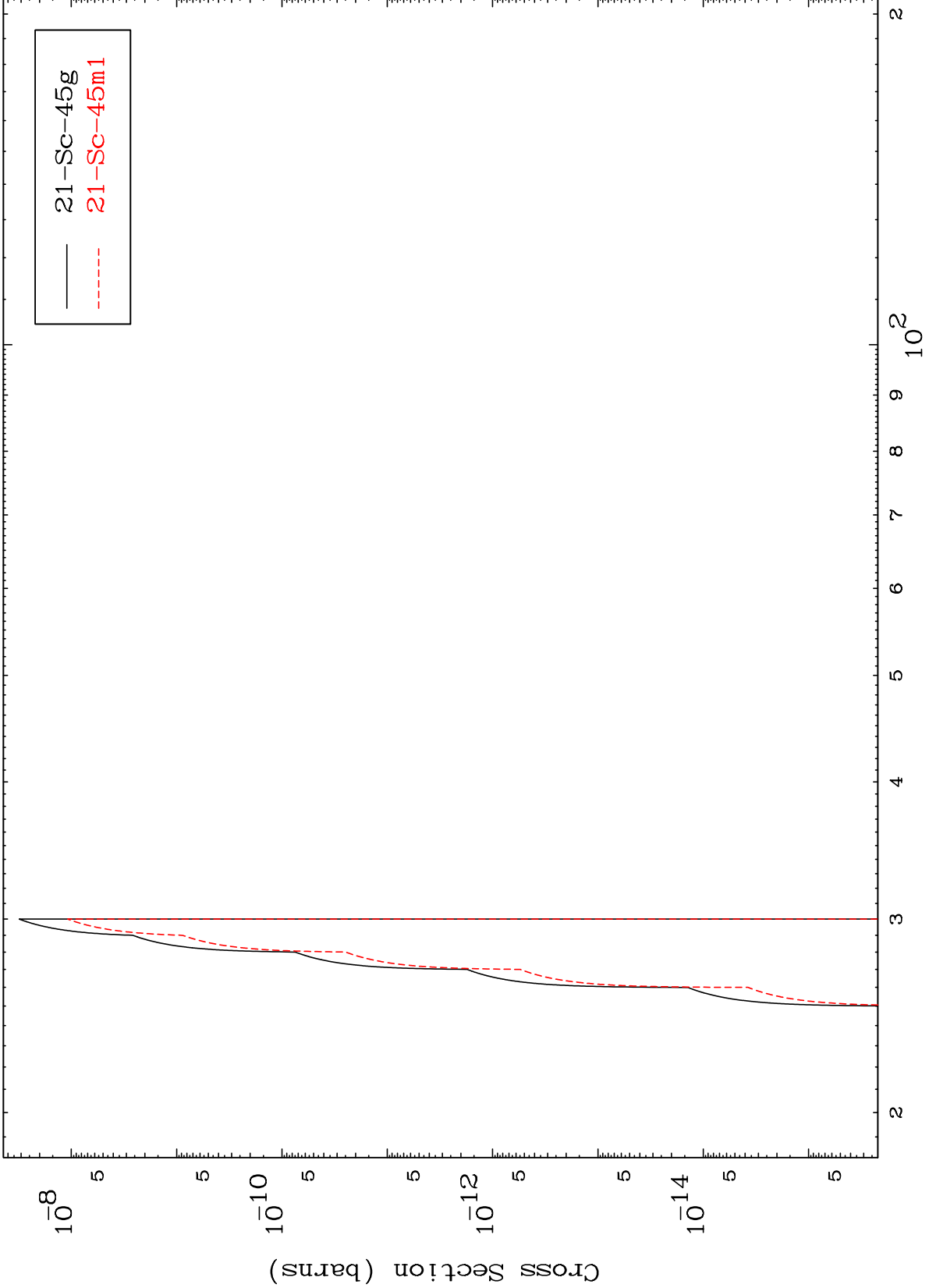
25-Mn-53

MAT 2519

(n,n') 2 $\alpha$

25-Mn-53

Radionuclide Production Cross Section



100

Incident Energy (MeV)

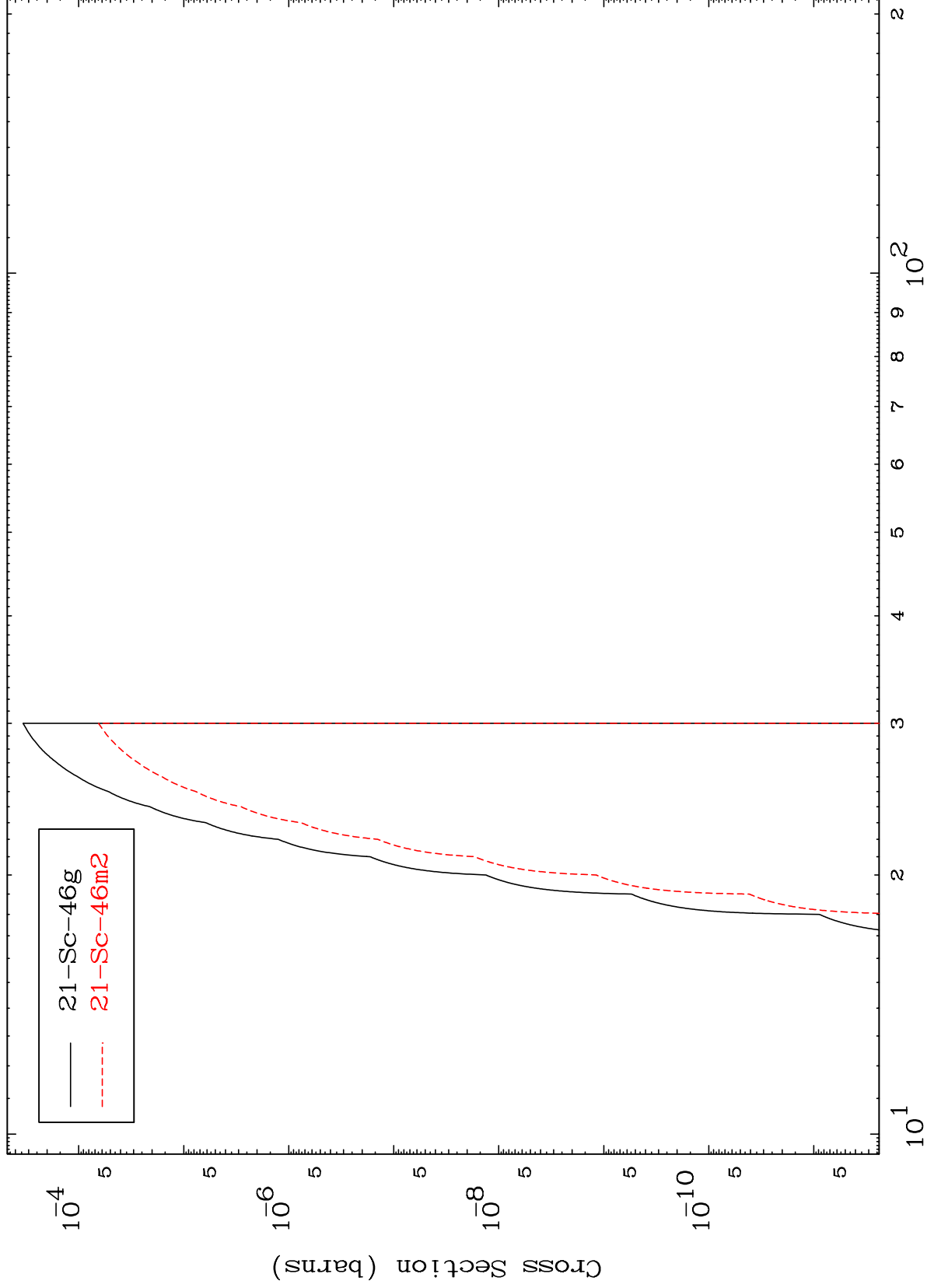
25-Mn-53

MAT 2519

(n,2α)

25-Mn-53

Radionuclide Production Cross Section



101

Incident Energy (MeV)

25-Mn-53