

Program EVALPLOT
(Version 2021-1)

by

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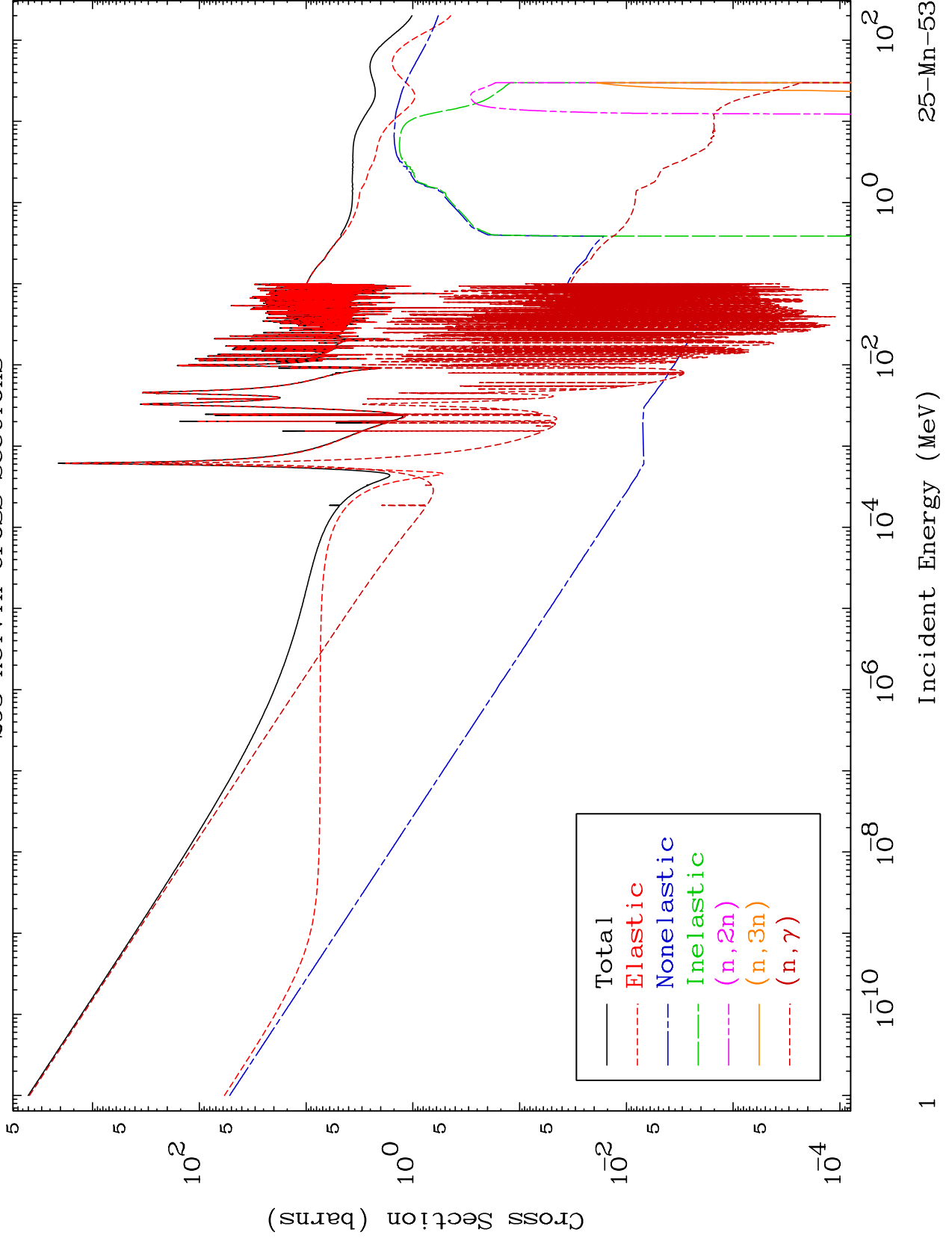
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 2519

Neutron Major
293 Kelvin Cross Sections

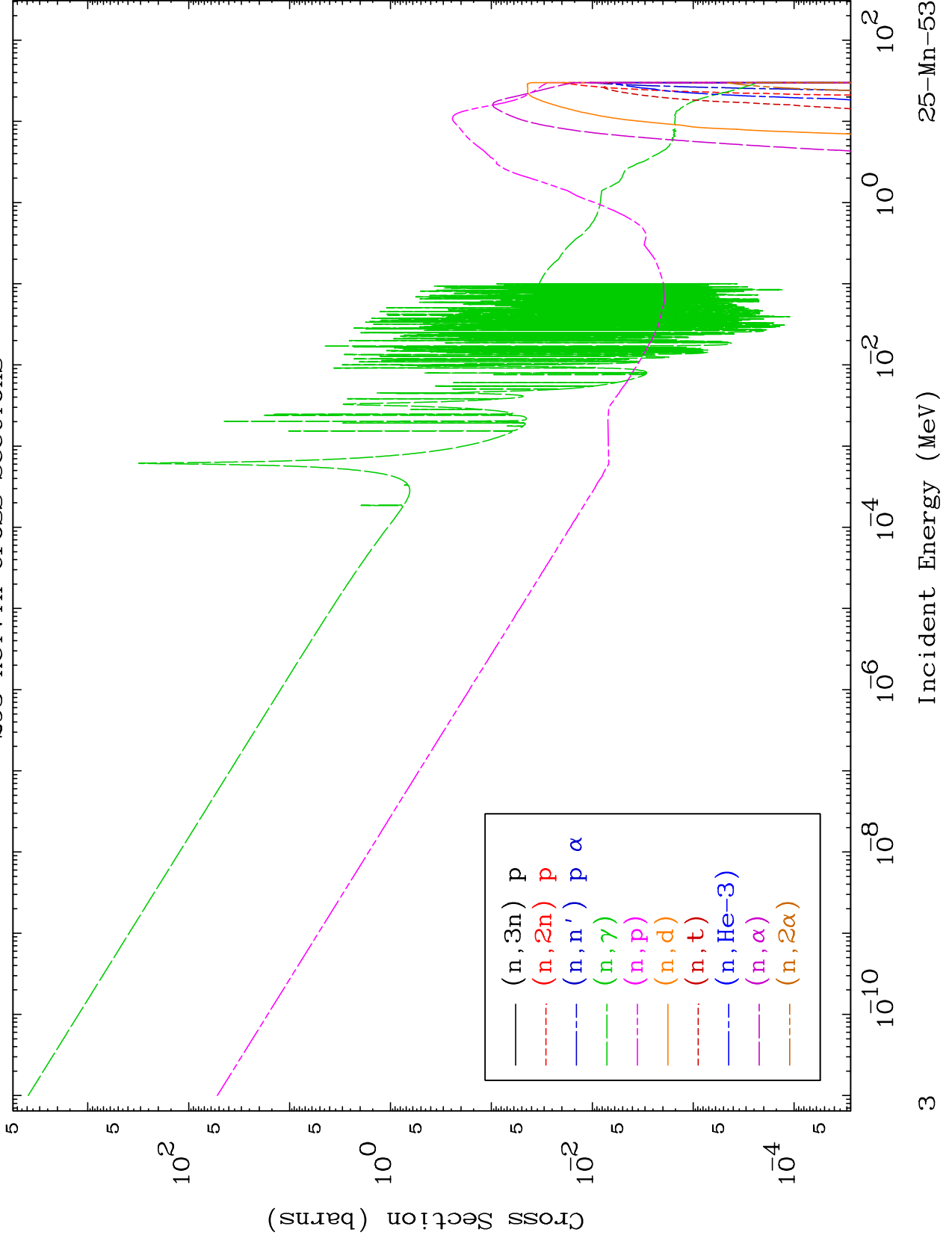
25-Mn-53



MAT 2519

Neutron Absorption
293 Kelvin Cross Sections

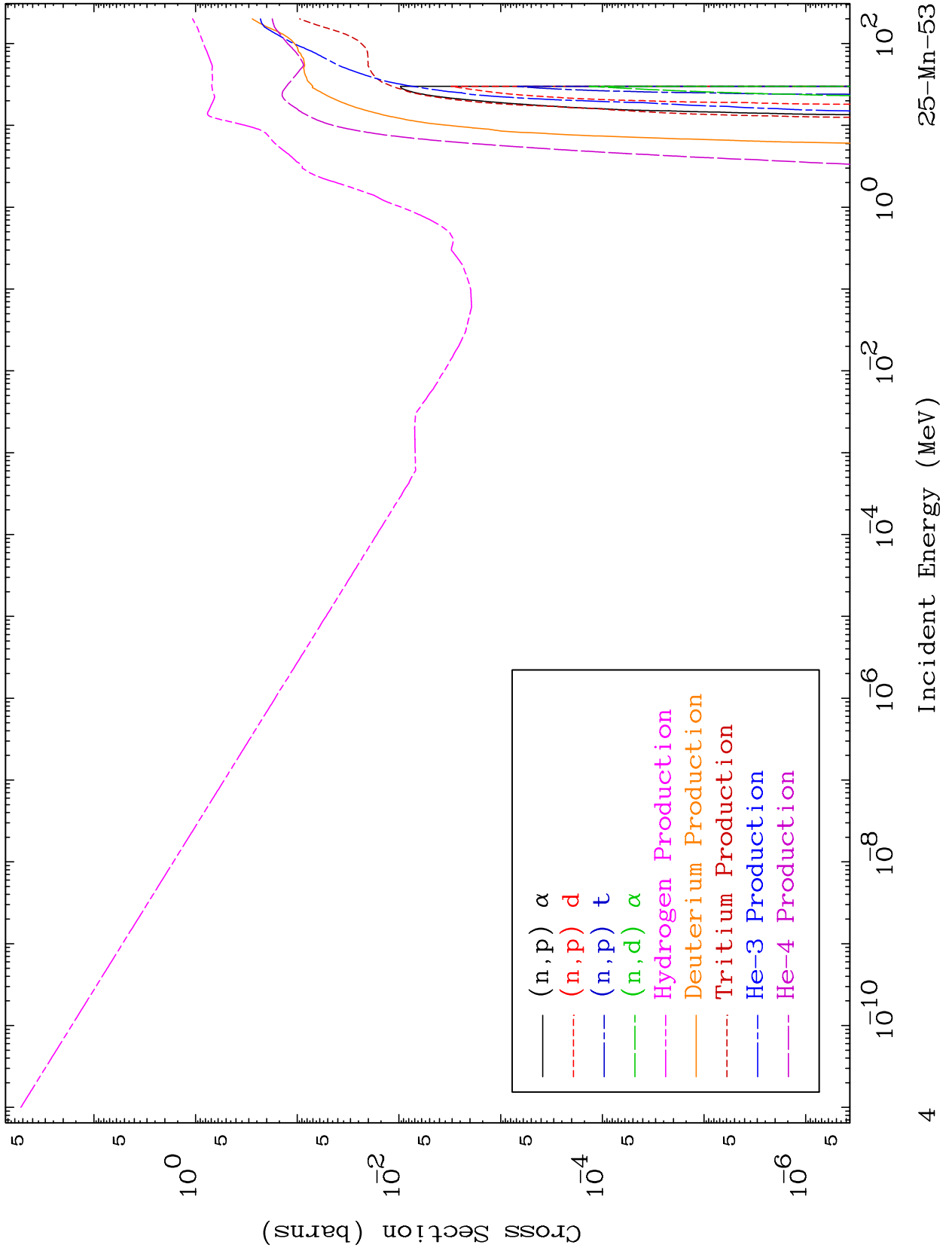
25-Mn-53



MAT 2519

Neutron Absorption
293 Kelvin Cross Sections

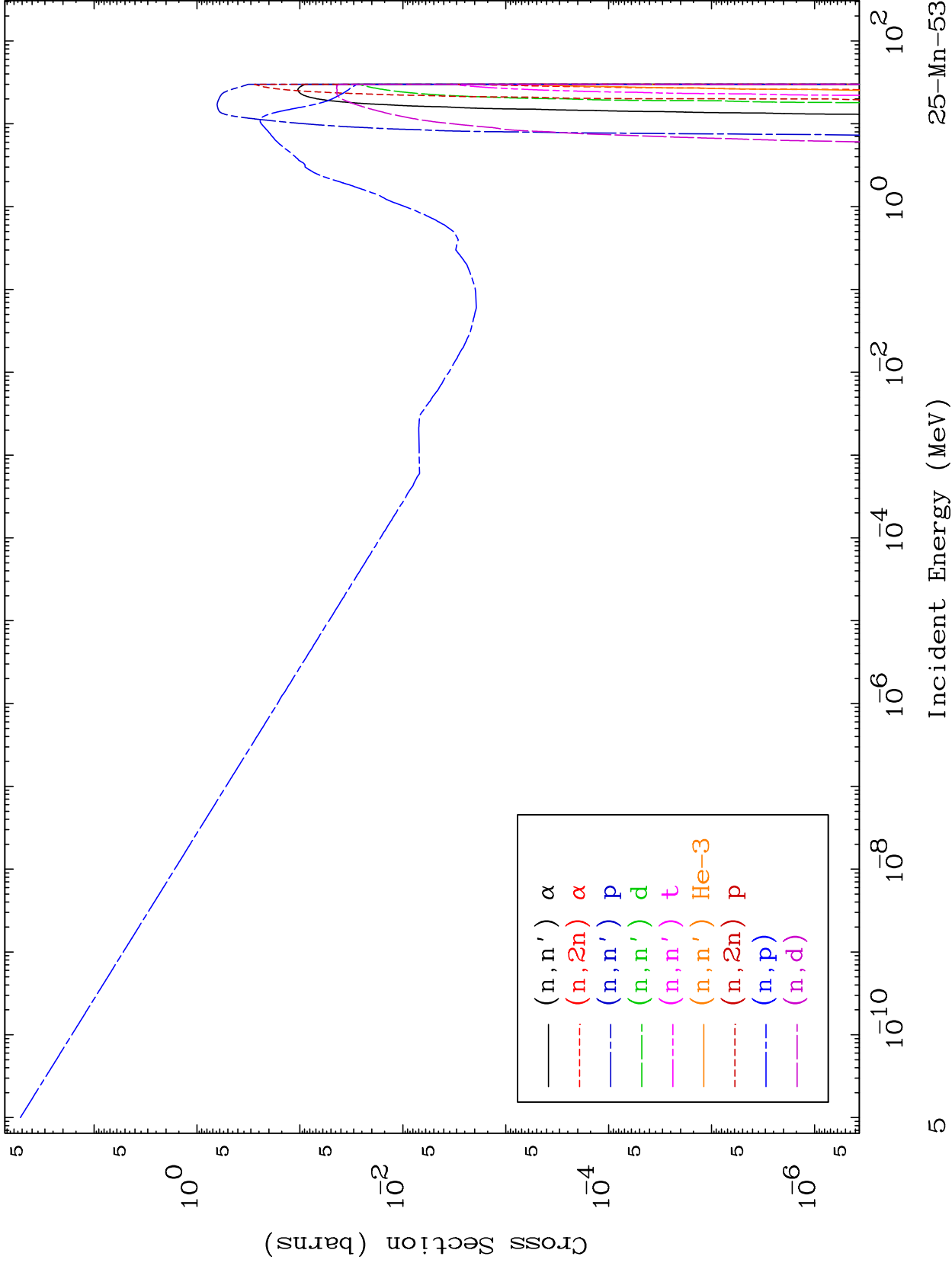
25-Mn-53



MAT 2519

Charged Particle
293 Kelvin Cross Sections

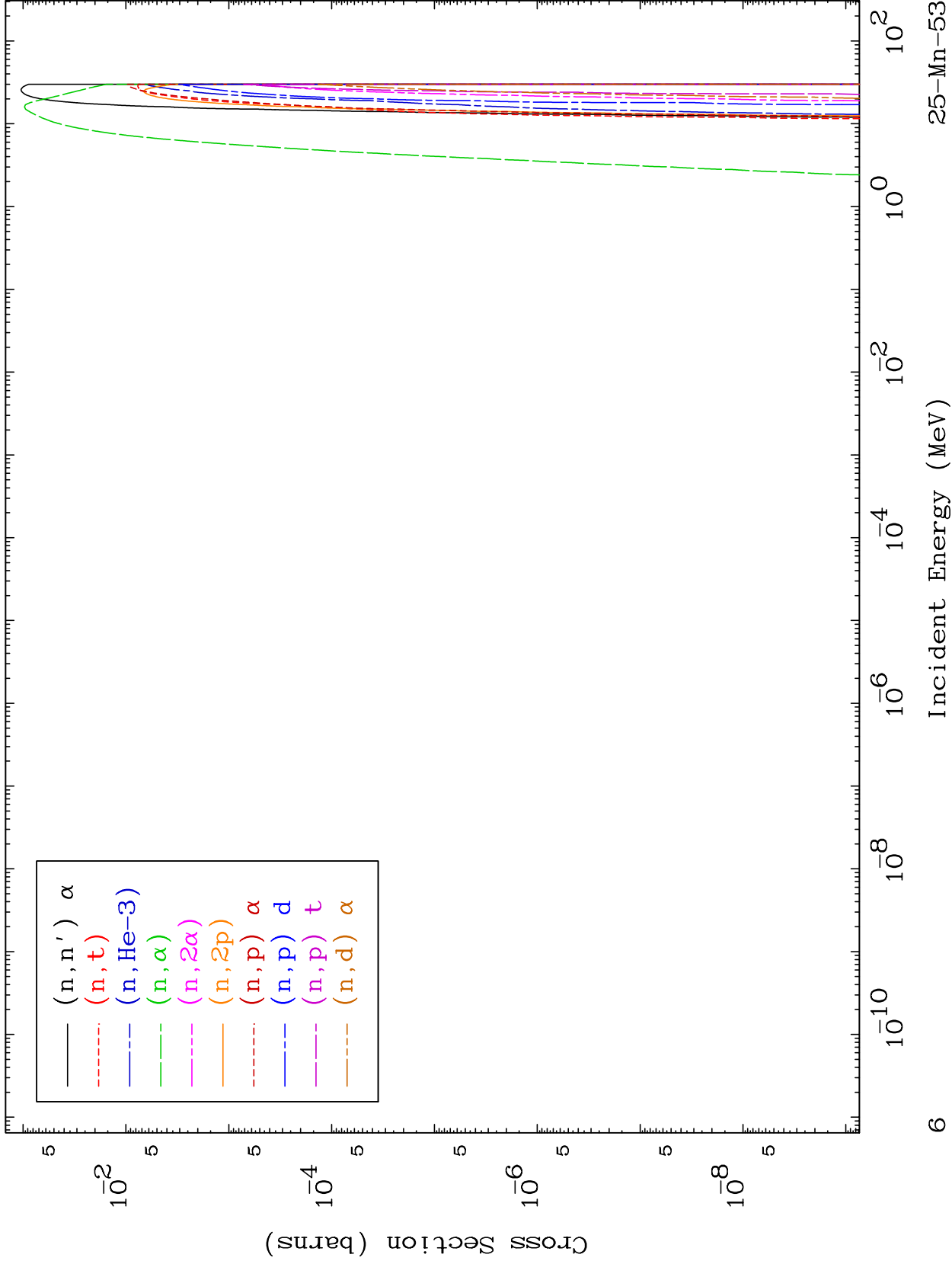
25-Mn-53



MAT 2519

Charged Particle
293 Kelvin Cross Sections

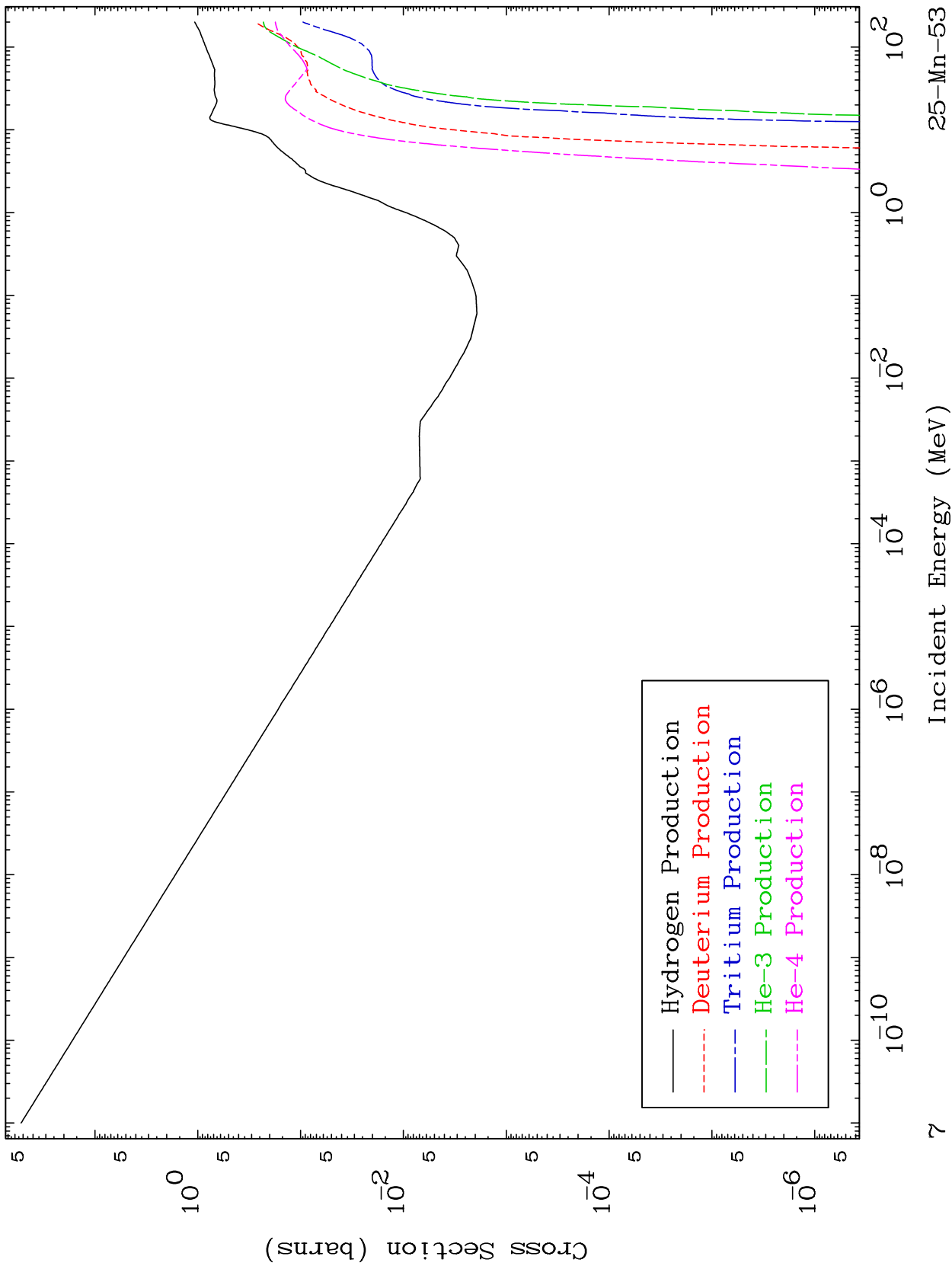
25-Mn-53



MAT 2519

Particle Production
293 Kelvin Cross Sections

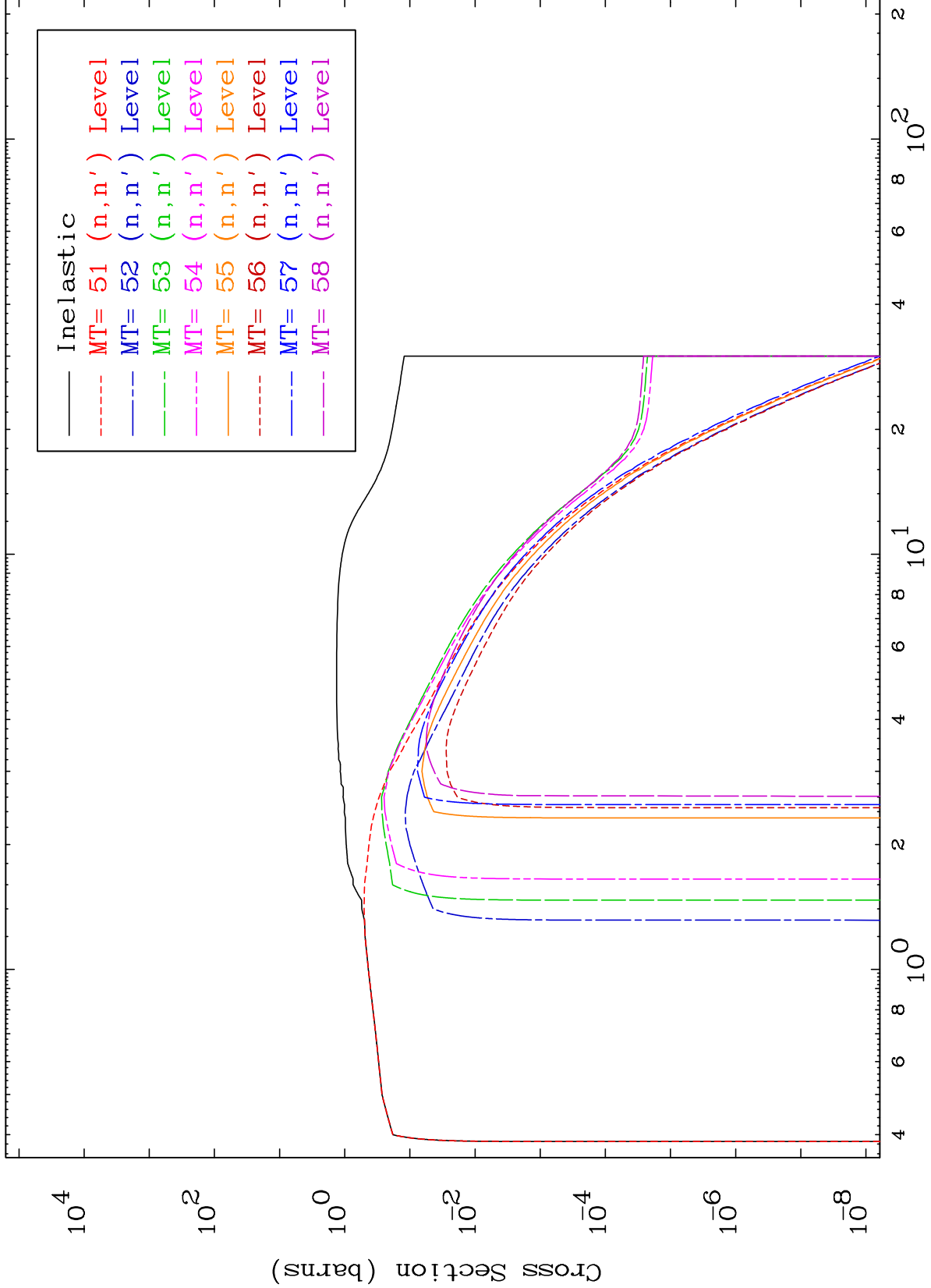
25-Mn-53



MAT 2519

(n,n') Levels
293 Kelvin Cross Sections

25-Mn-53



8

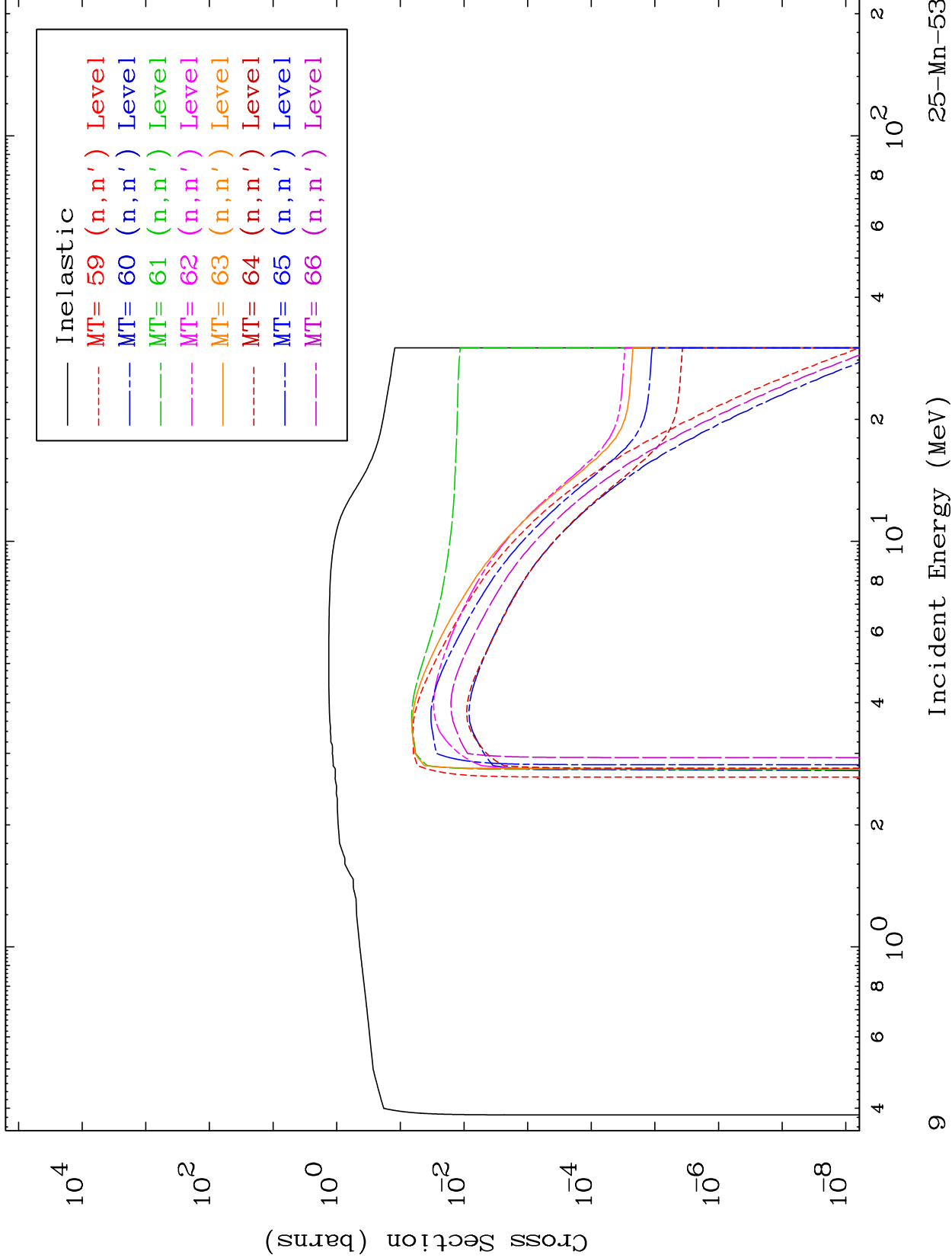
Incident Energy (MeV)

25-Mn-53

MAT 2519

(n,n') Levels
293 Kelvin Cross Sections

25-Mn-53



9

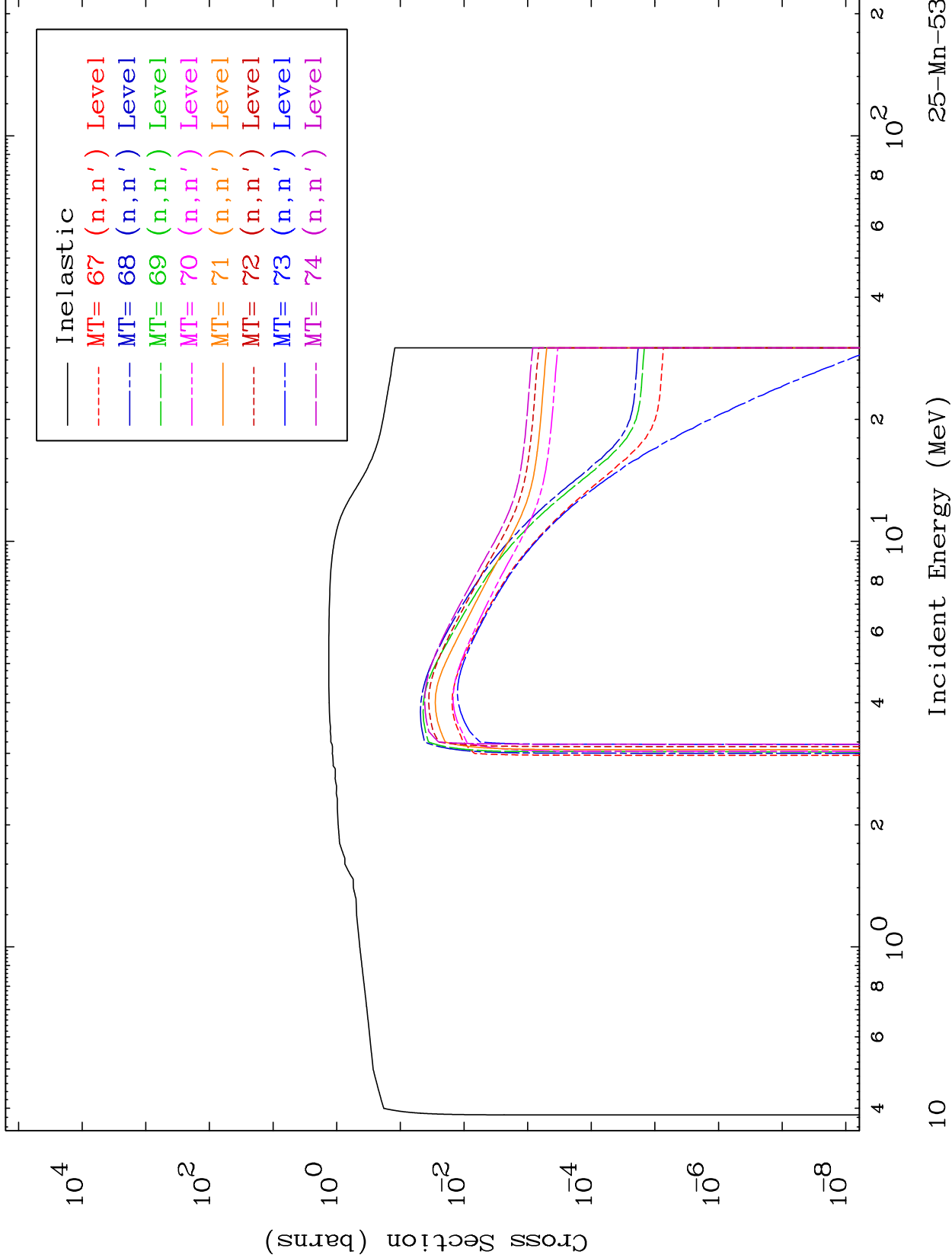
Incident Energy (MeV)

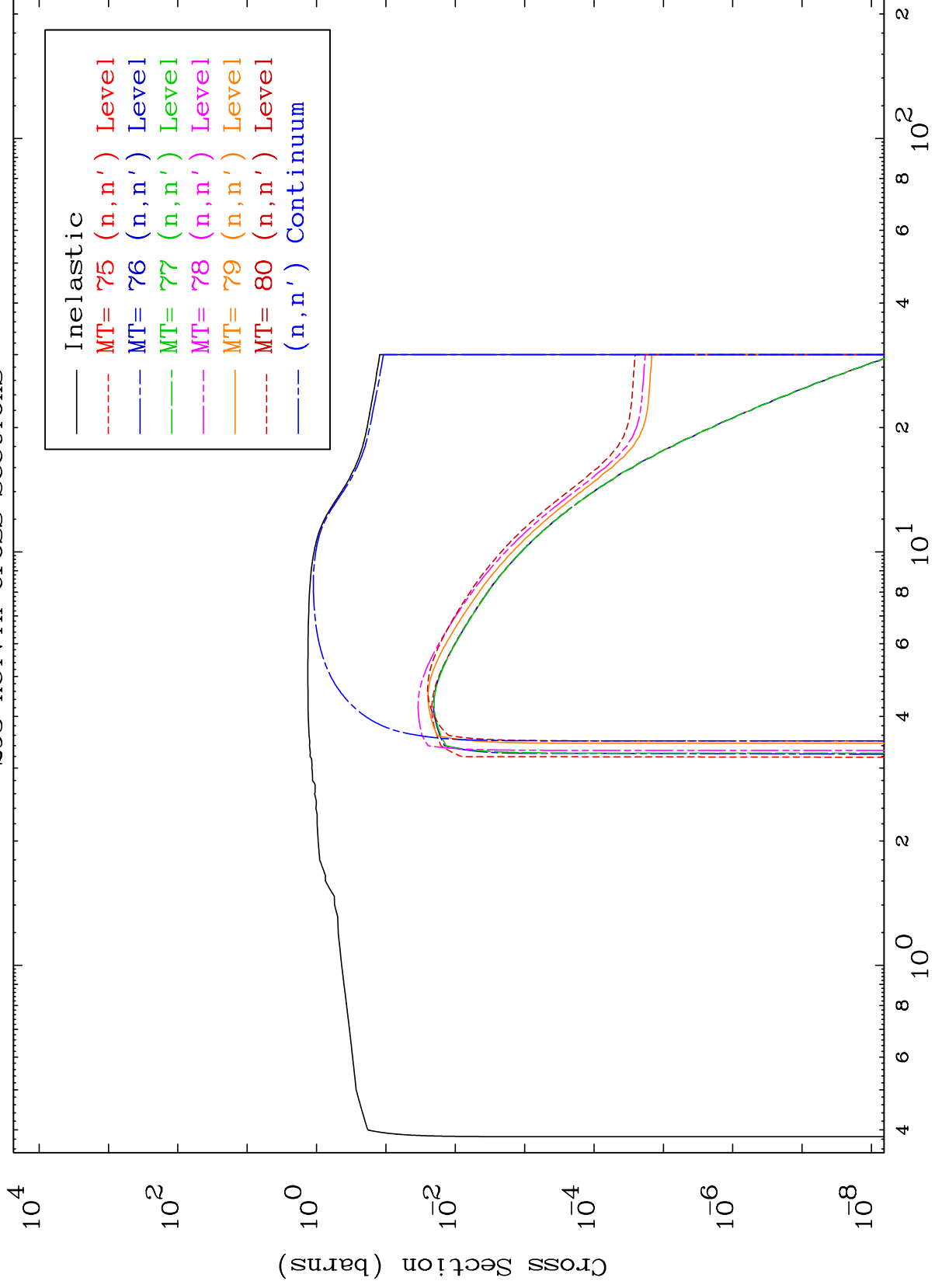
25-Mn-53

MAT 2519

(n,n') Levels
293 Kelvin Cross Sections

25-Mn-53

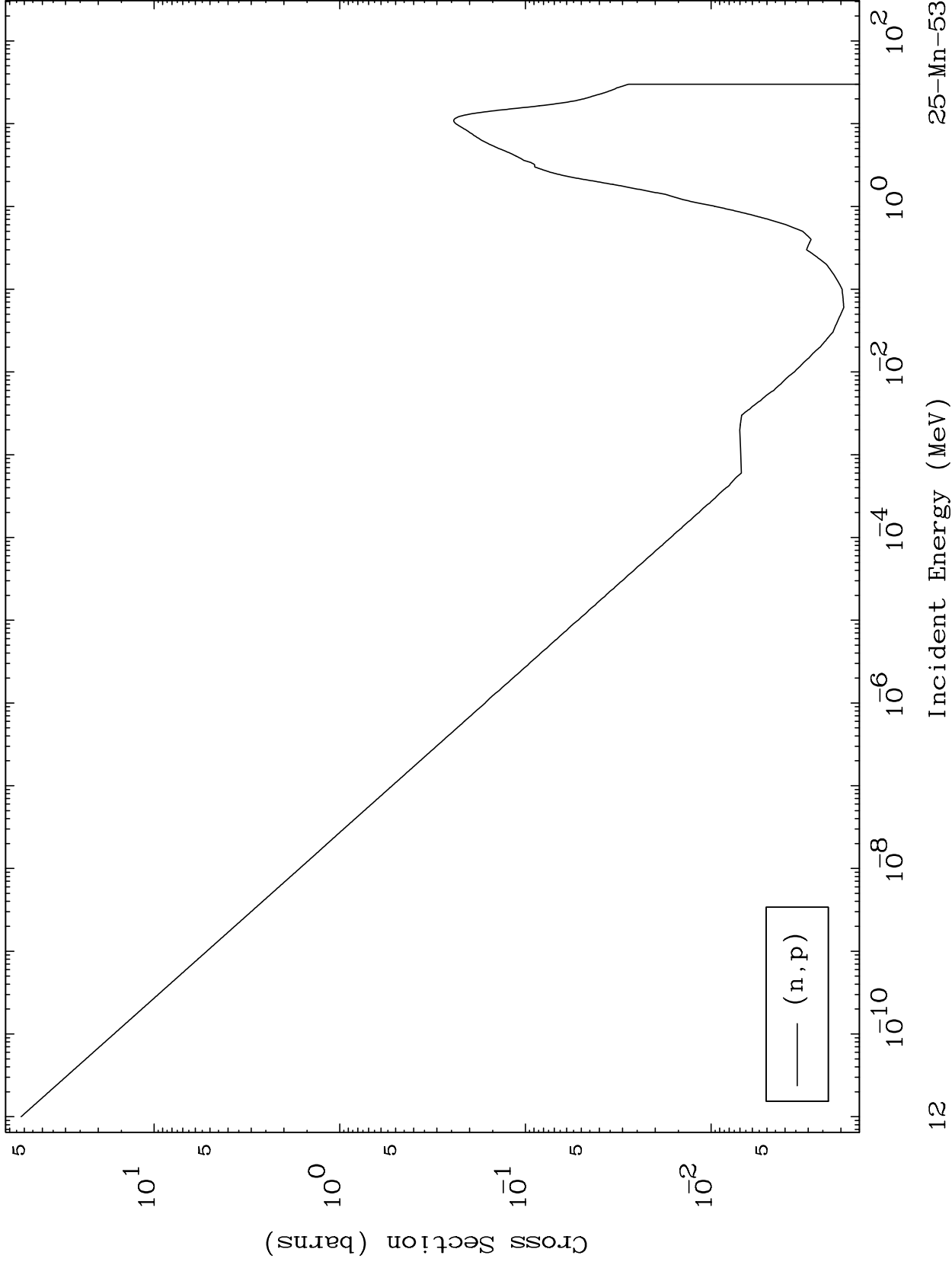




MAT 2519

(n,p) Levels
293 Kelvin Cross Sections

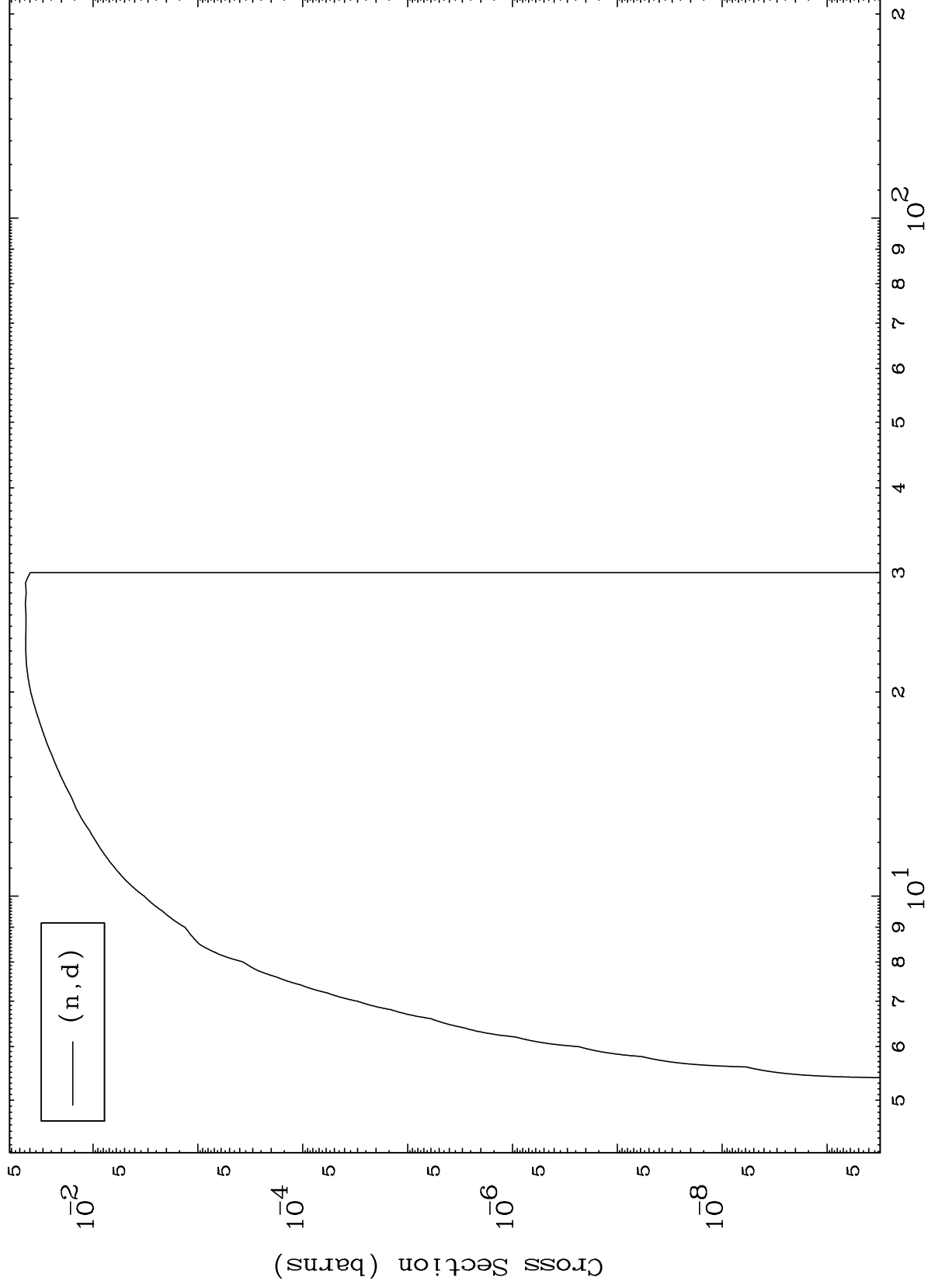
25-Mn-53



MAT 2519

(n,d) Levels
293 Kelvin Cross Sections

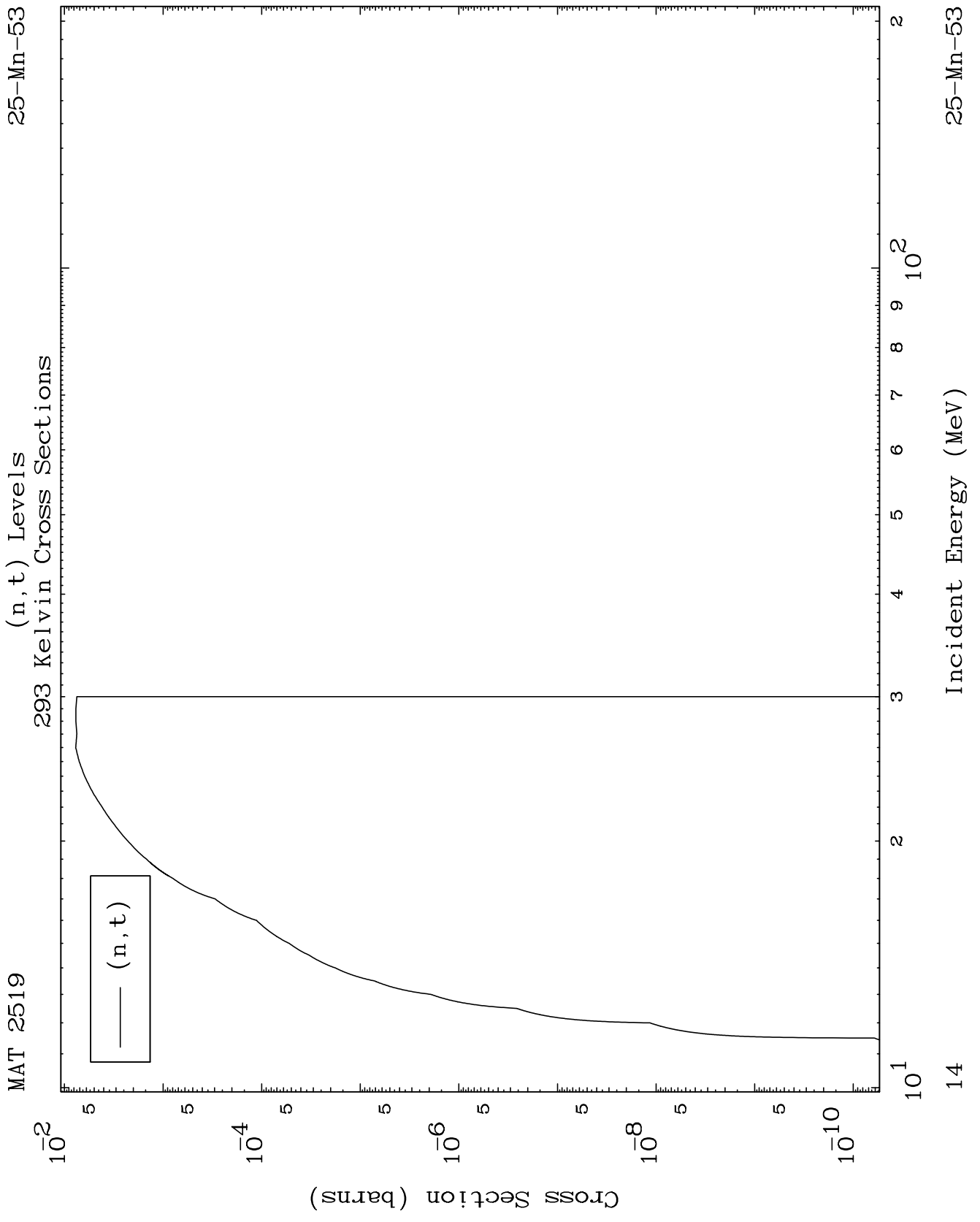
25-Mn-53



13

Incident Energy (MeV)

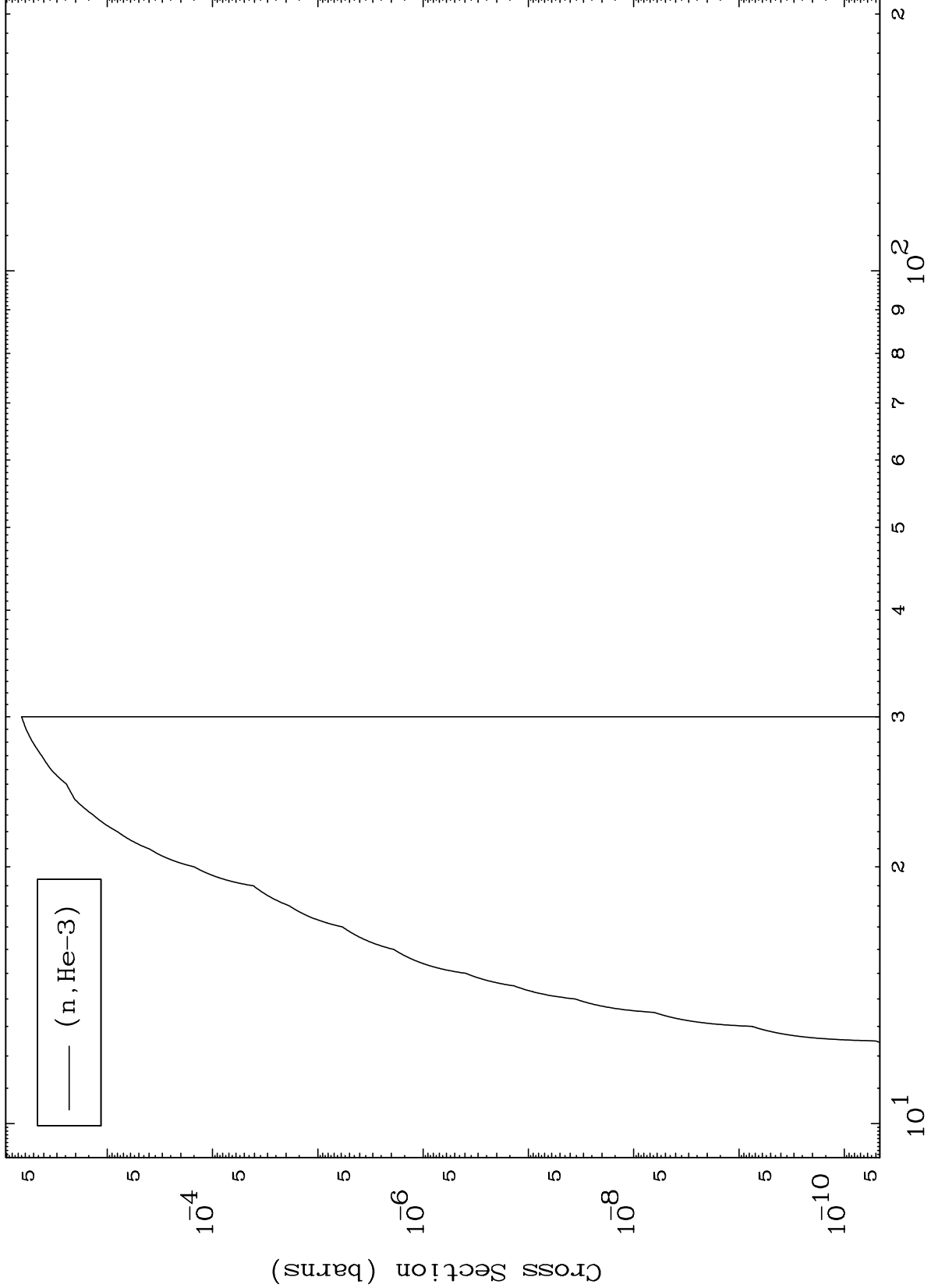
25-Mn-53



MAT 2519

(n,He3) Levels
293 Kelvin Cross Sections

25-Mn-53



15

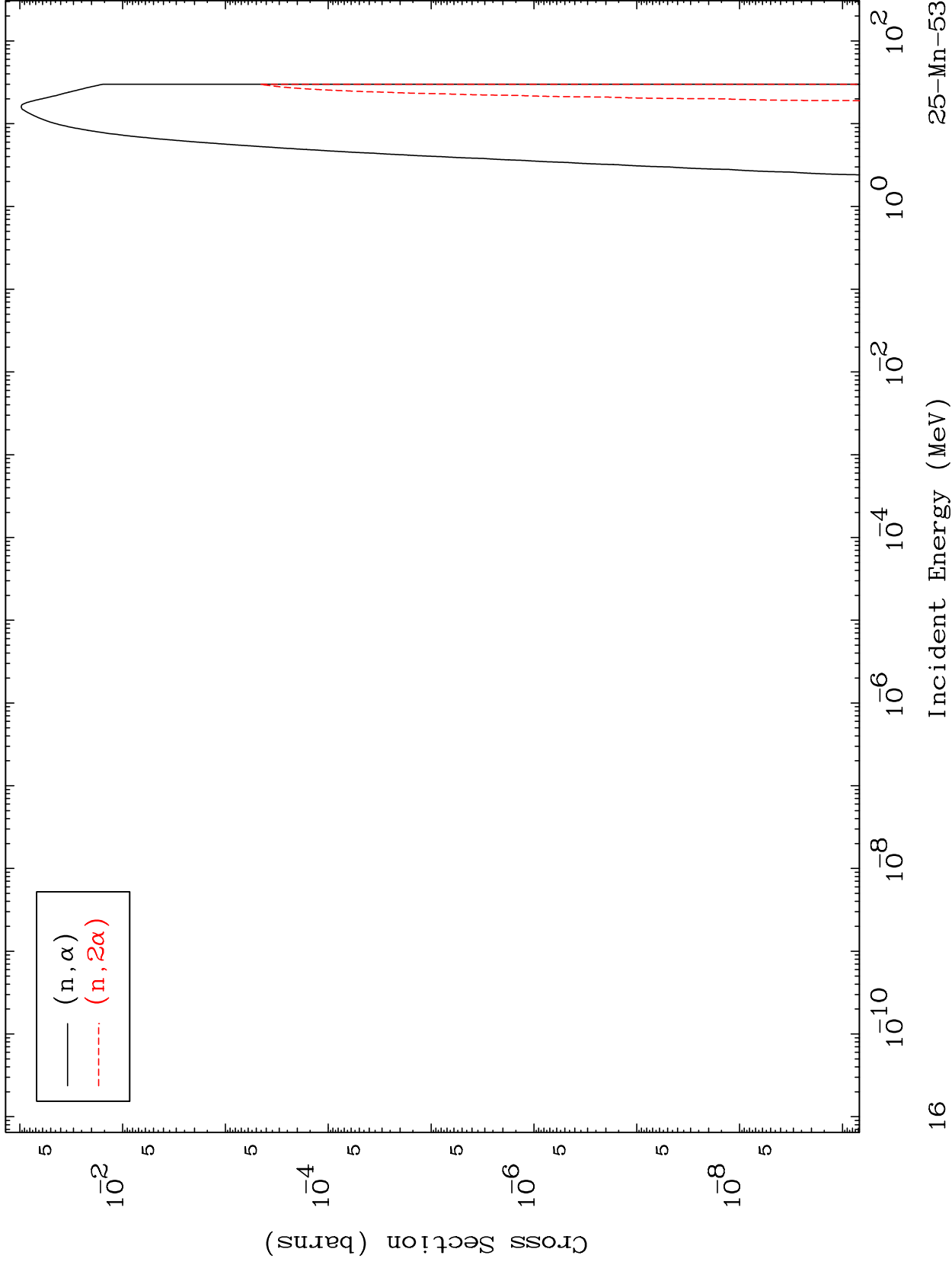
Incident Energy (MeV)

25-Mn-53

MAT 2519

(n, α) Levels
293 Kelvin Cross Sections

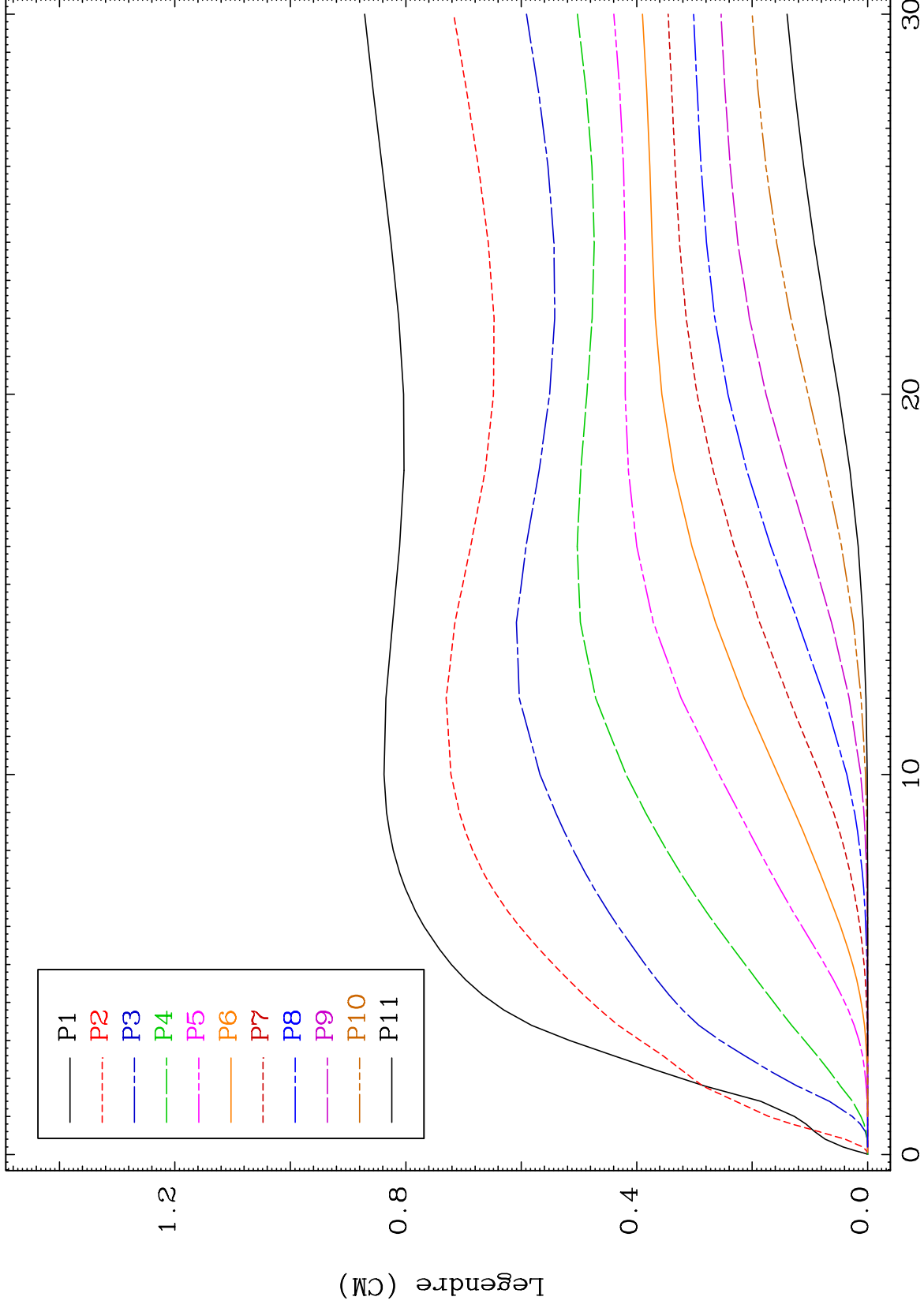
25-Mn-53



MAT 2519

Elastic Legendre Coefficients

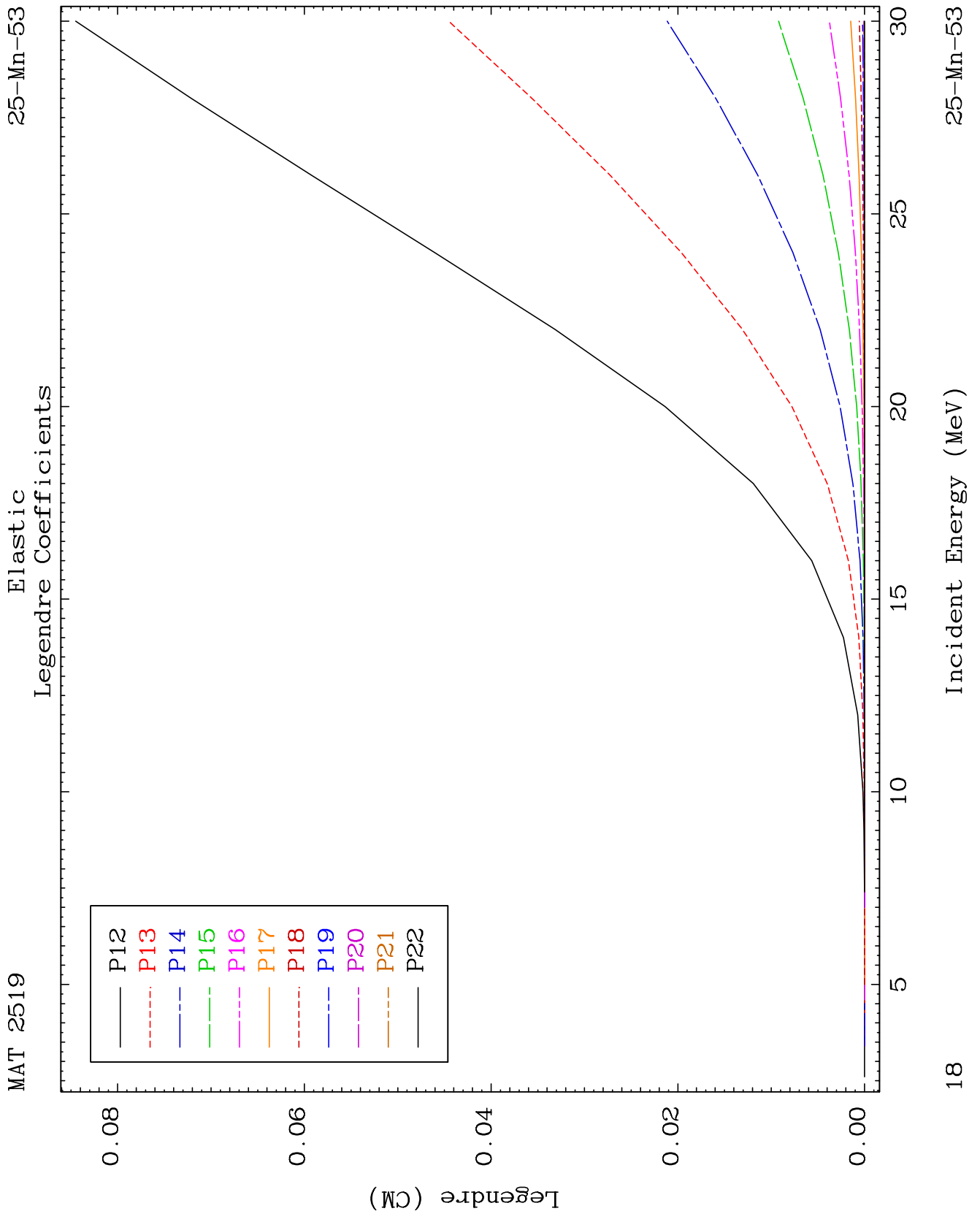
25-Mn-53



17

Incident Energy (MeV)

25-Mn-53



MAT 2519

25-Mn-53

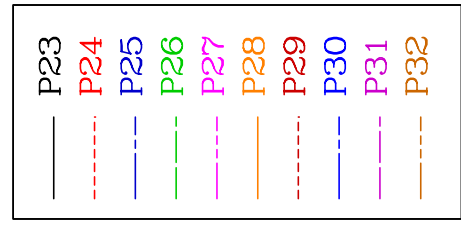
18

25-Mn-53

MAT 2519

Elastic Legendre Coefficients

25-Mn-53



$\times 10^{-6}$
2.0
1.5
1.0
0.5
0.0

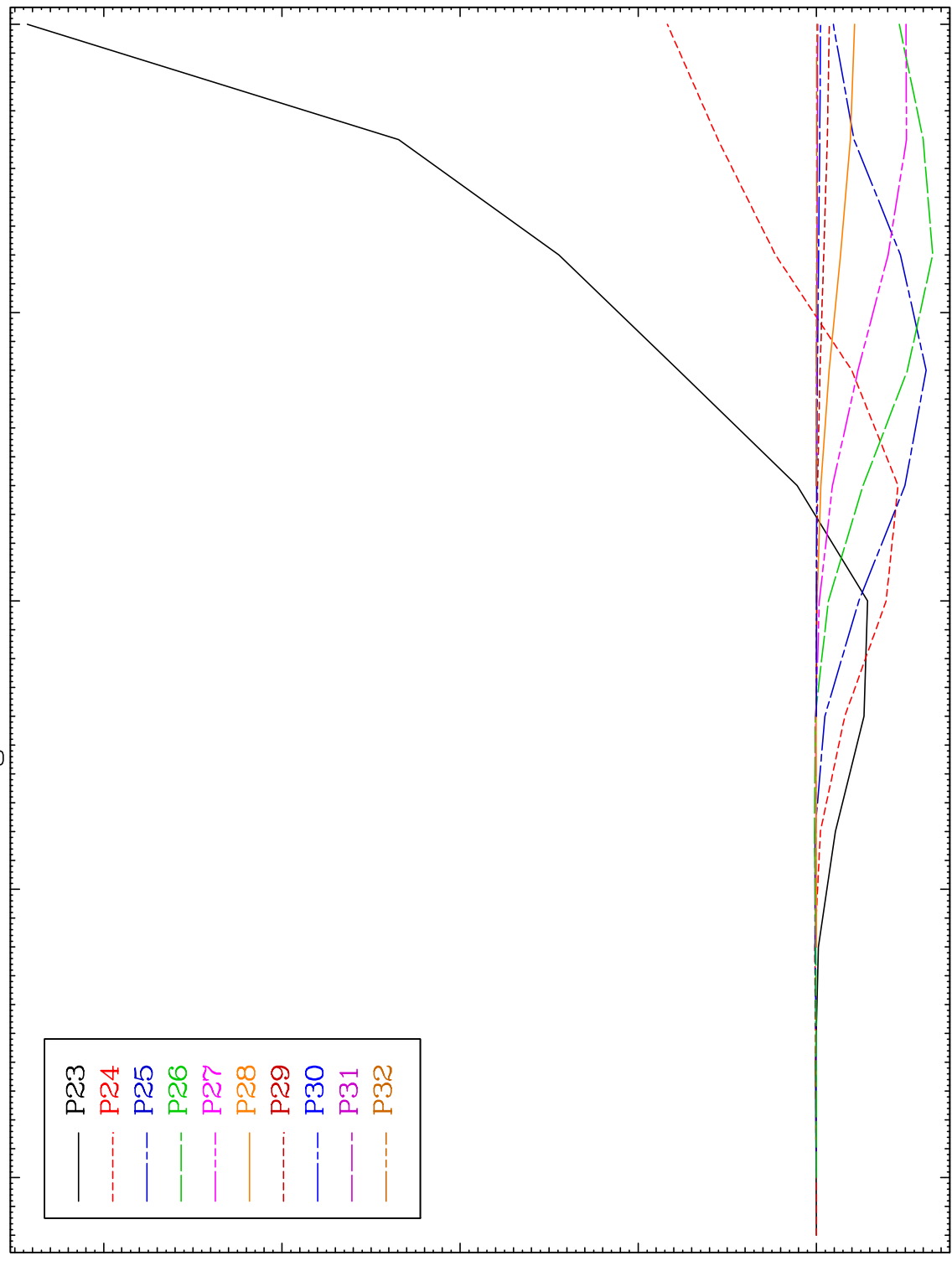
Legendre (CM)

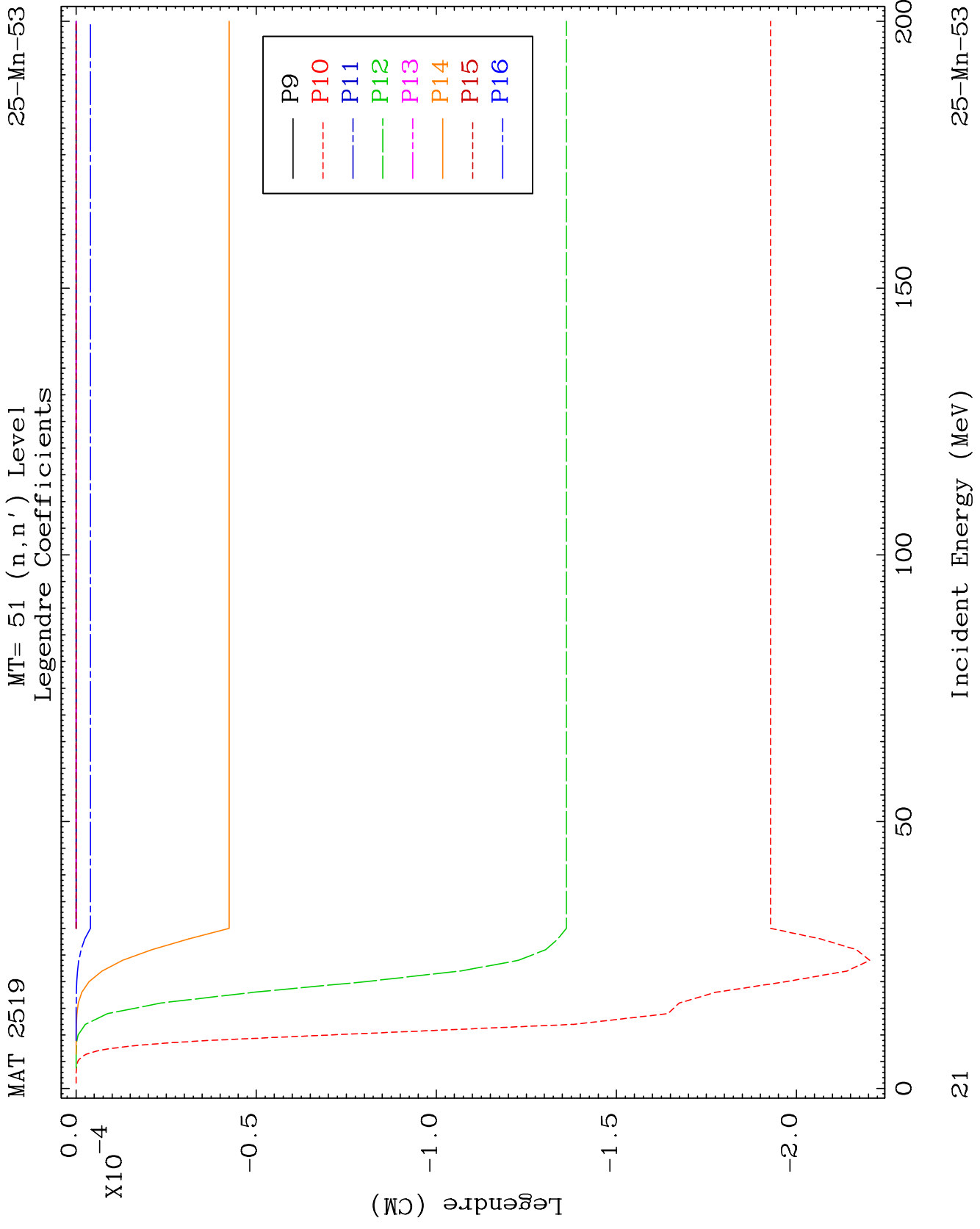
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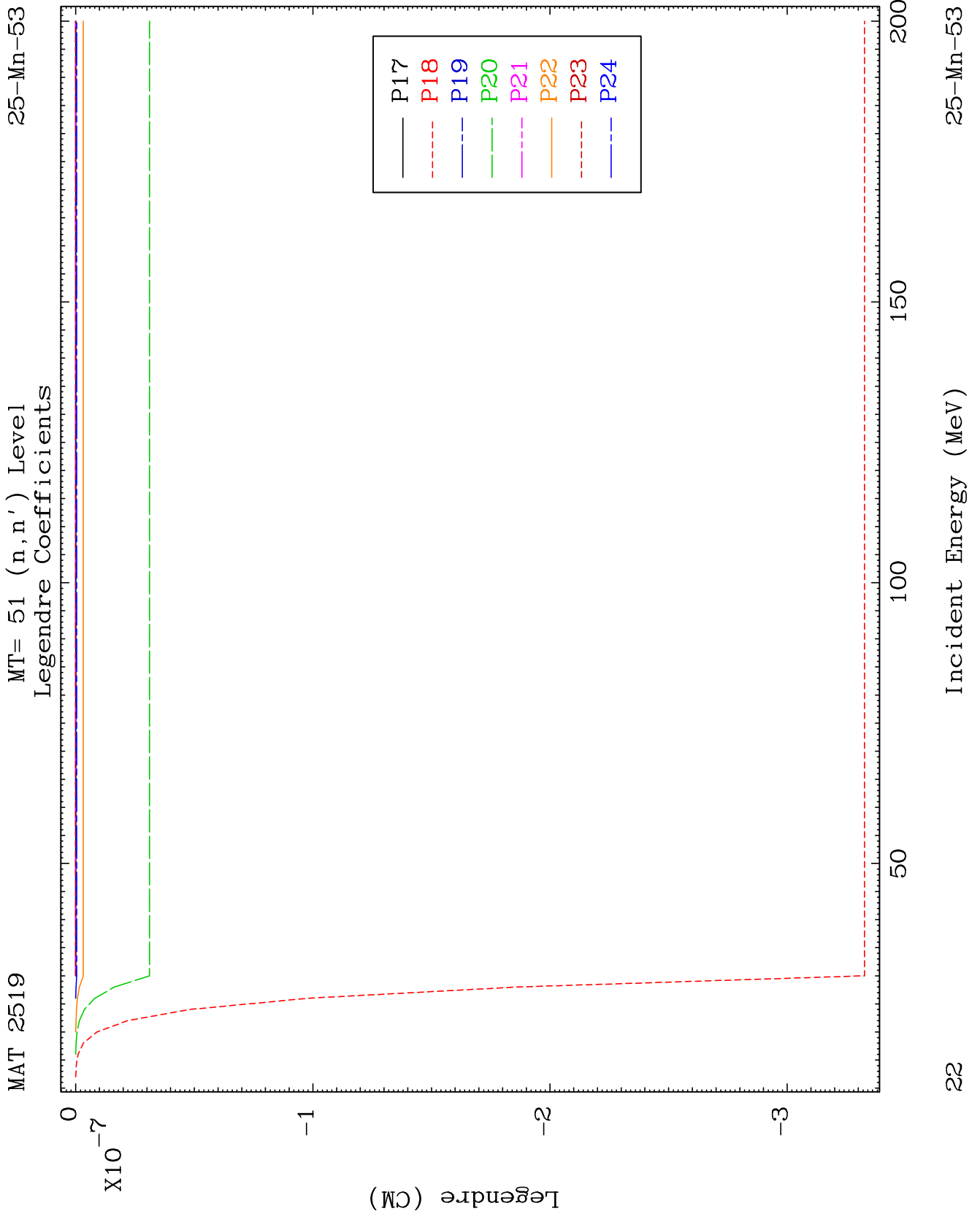
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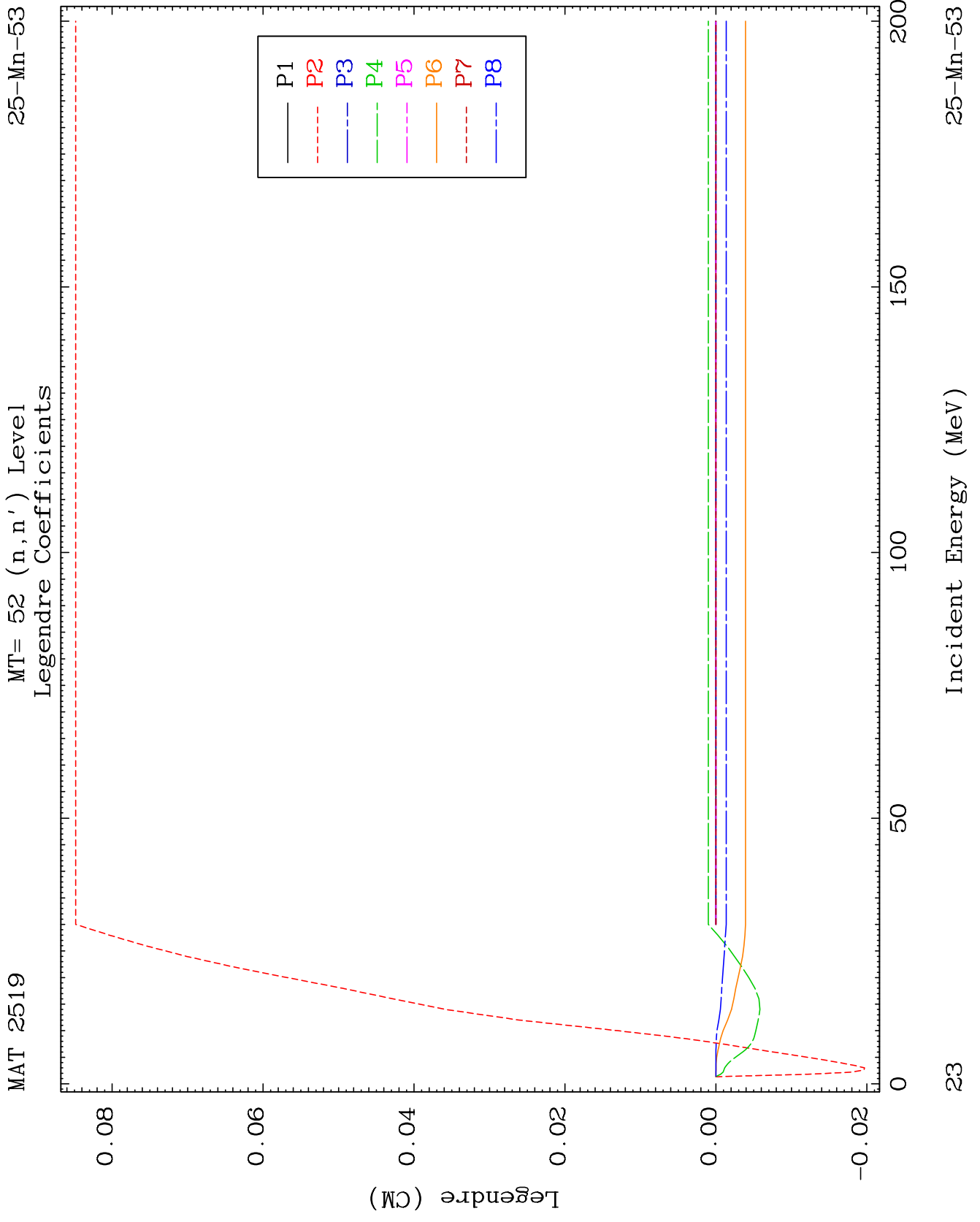
Incident Energy (MeV)

25-Mn-53





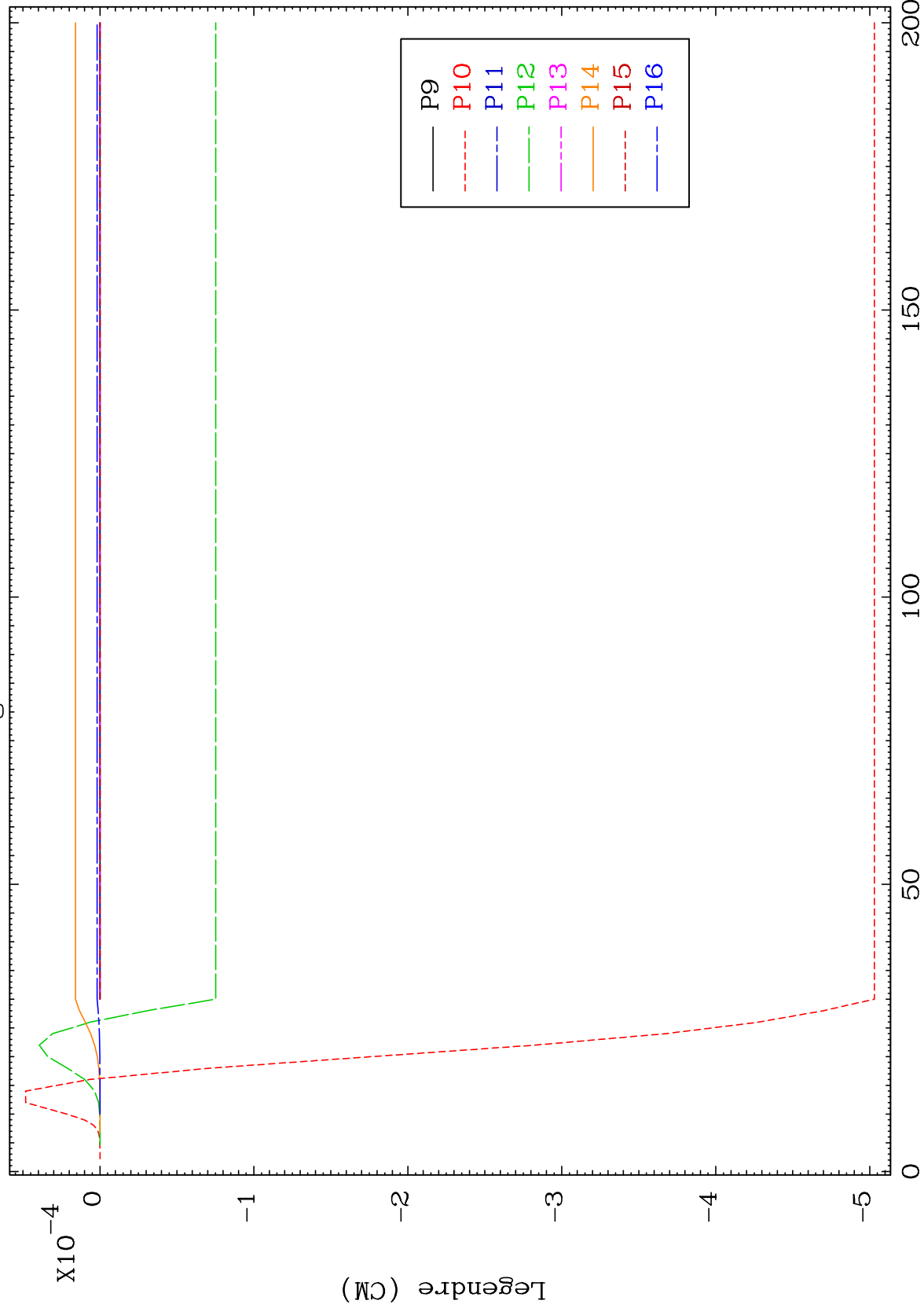




MAT 2519

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

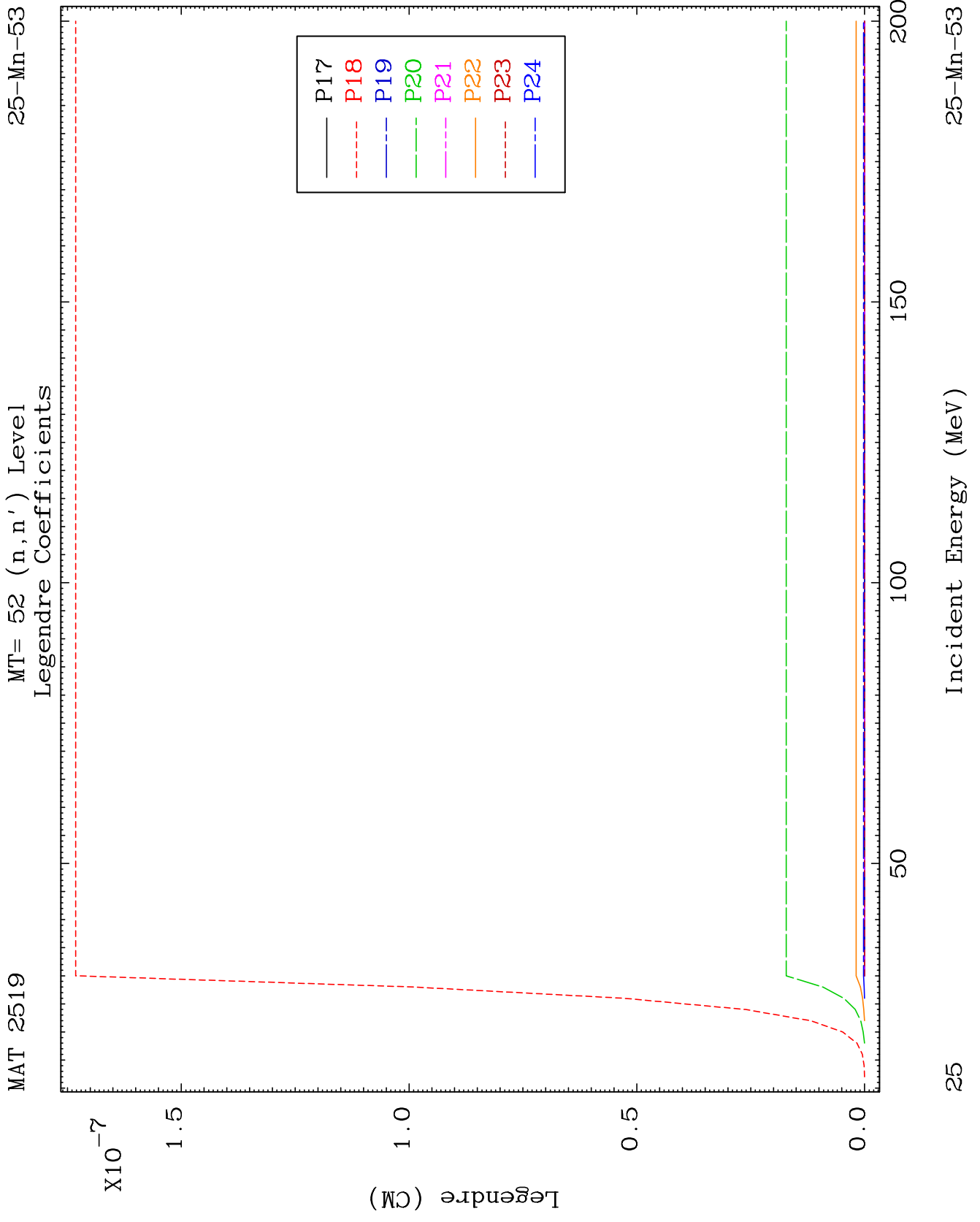
25-Mn-53



24

Incident Energy (MeV)

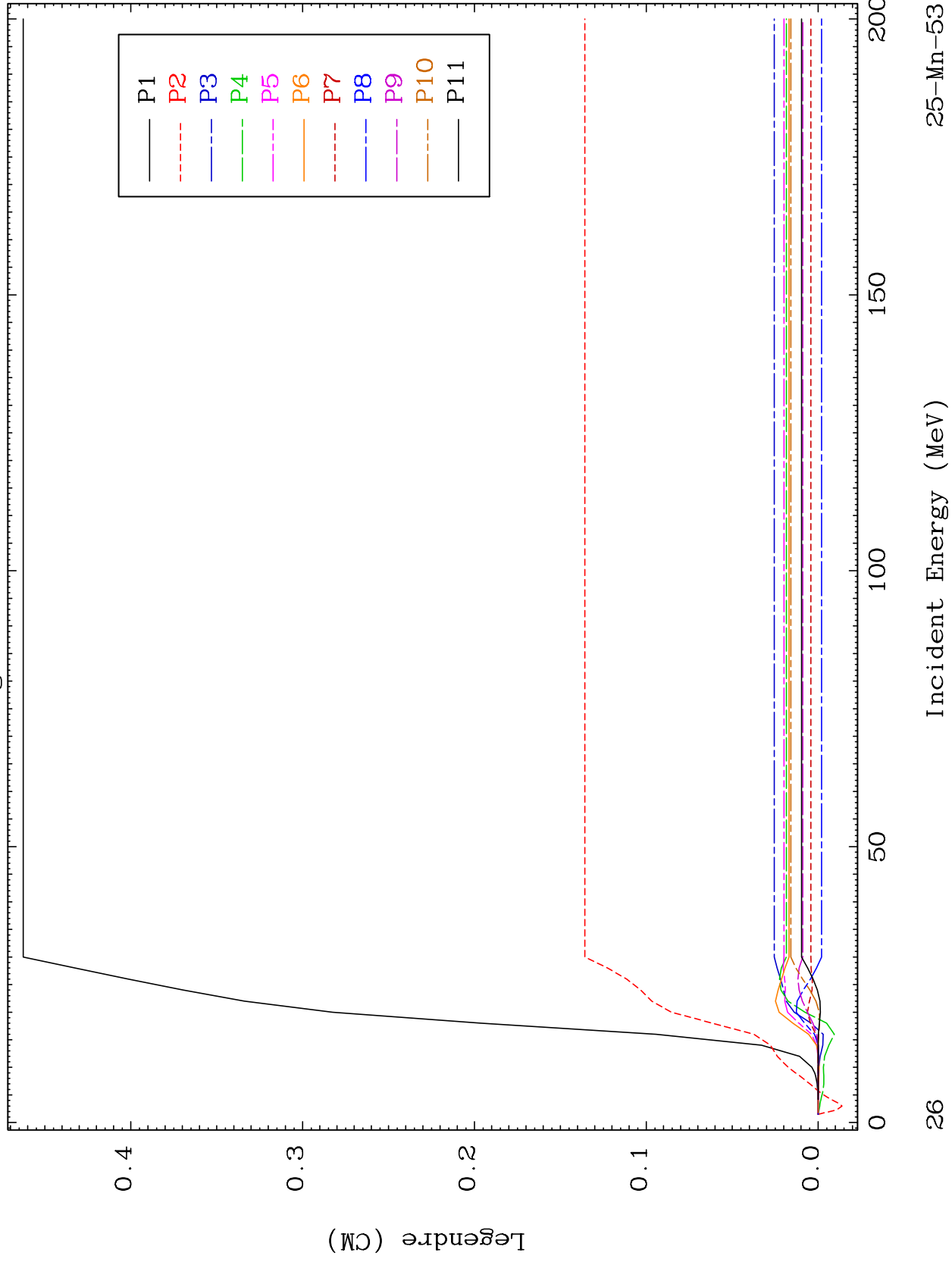
25-Mn-53



MAT 2519

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

25-Mn-53



25-Mn-53

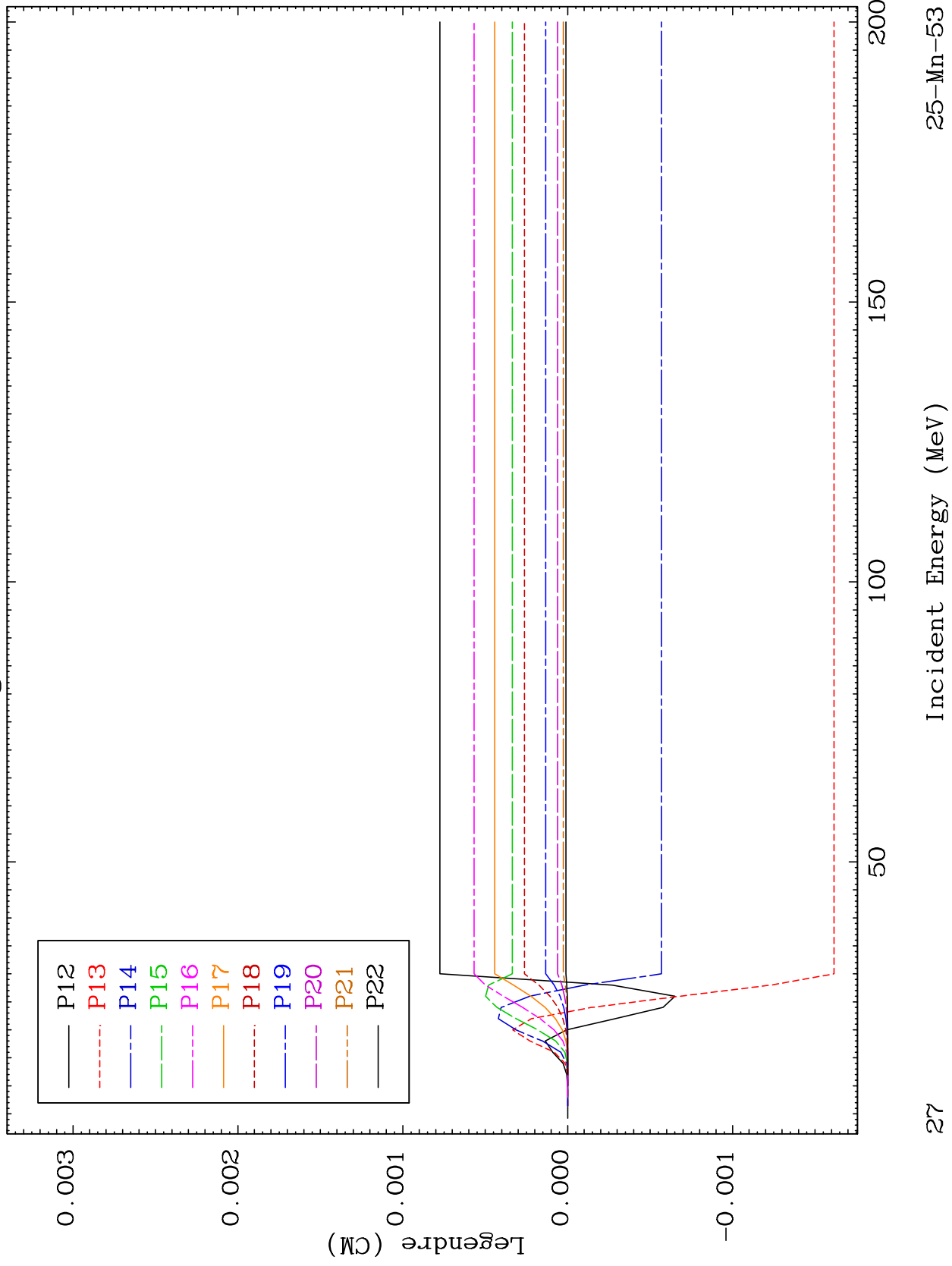
Incident Energy (MeV)

26

MAT 2519

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

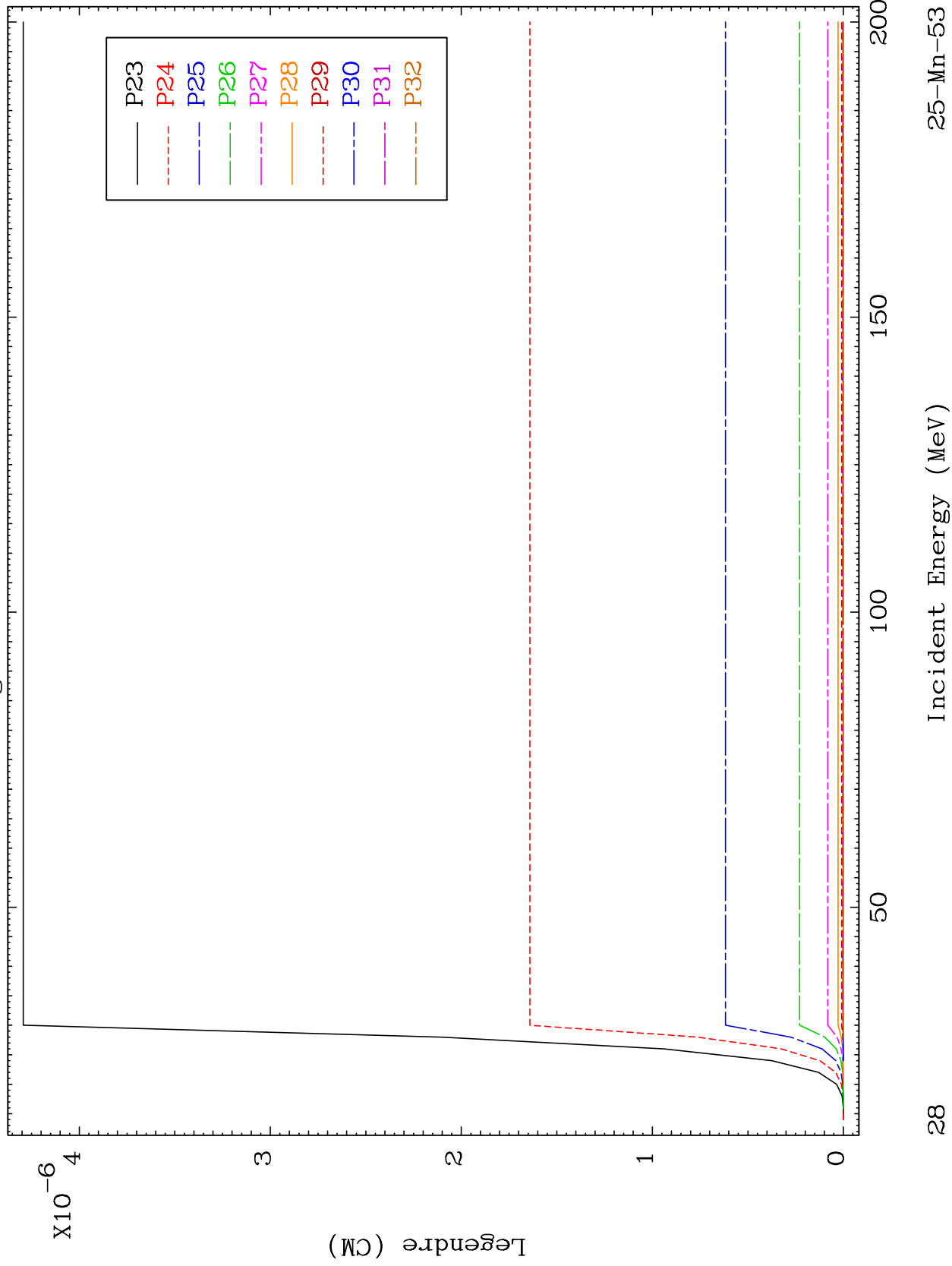
25-Mn-53



MAT 2519

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

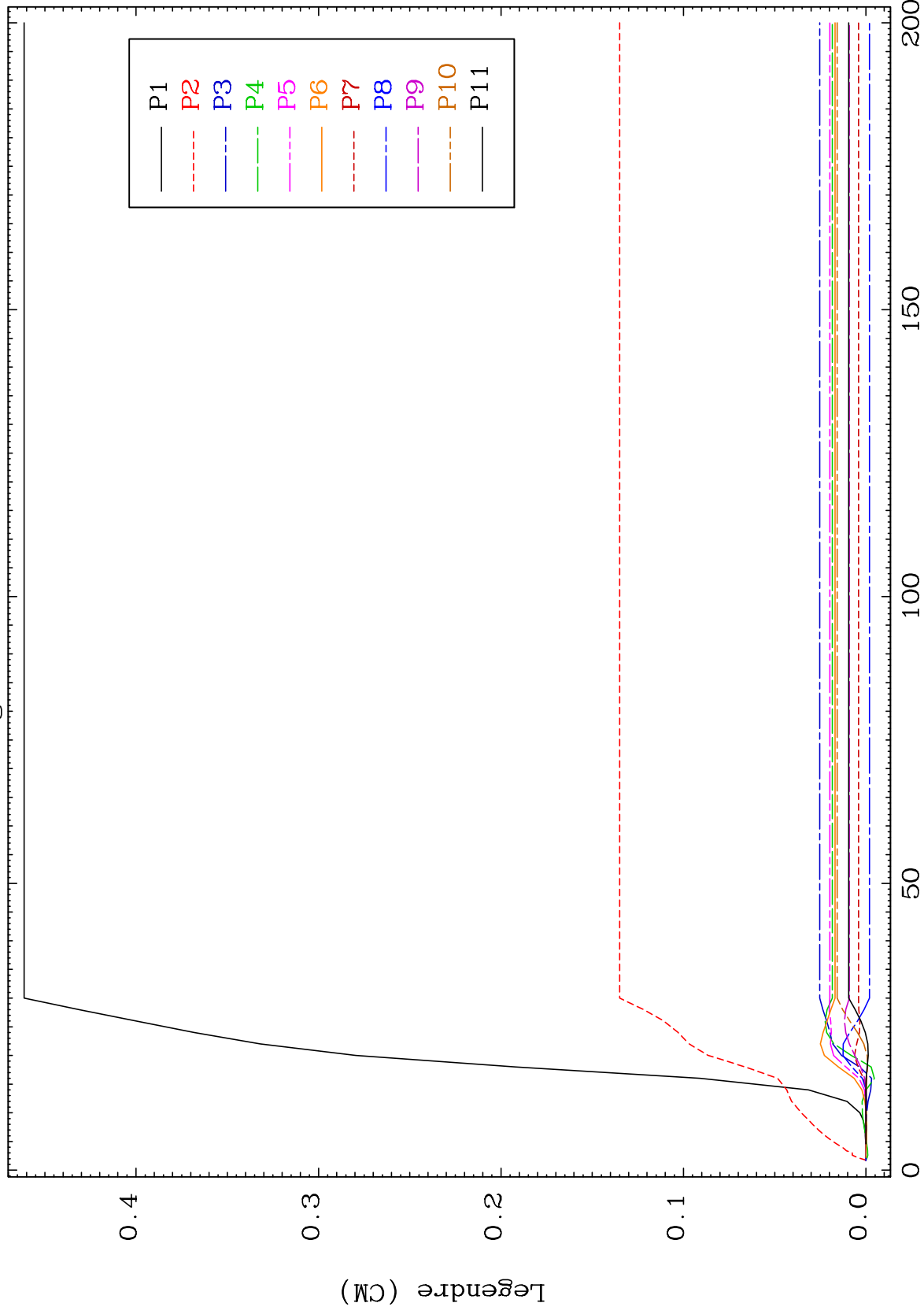
25-Mn-53



MAT 2519

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

25-Mn-53



29

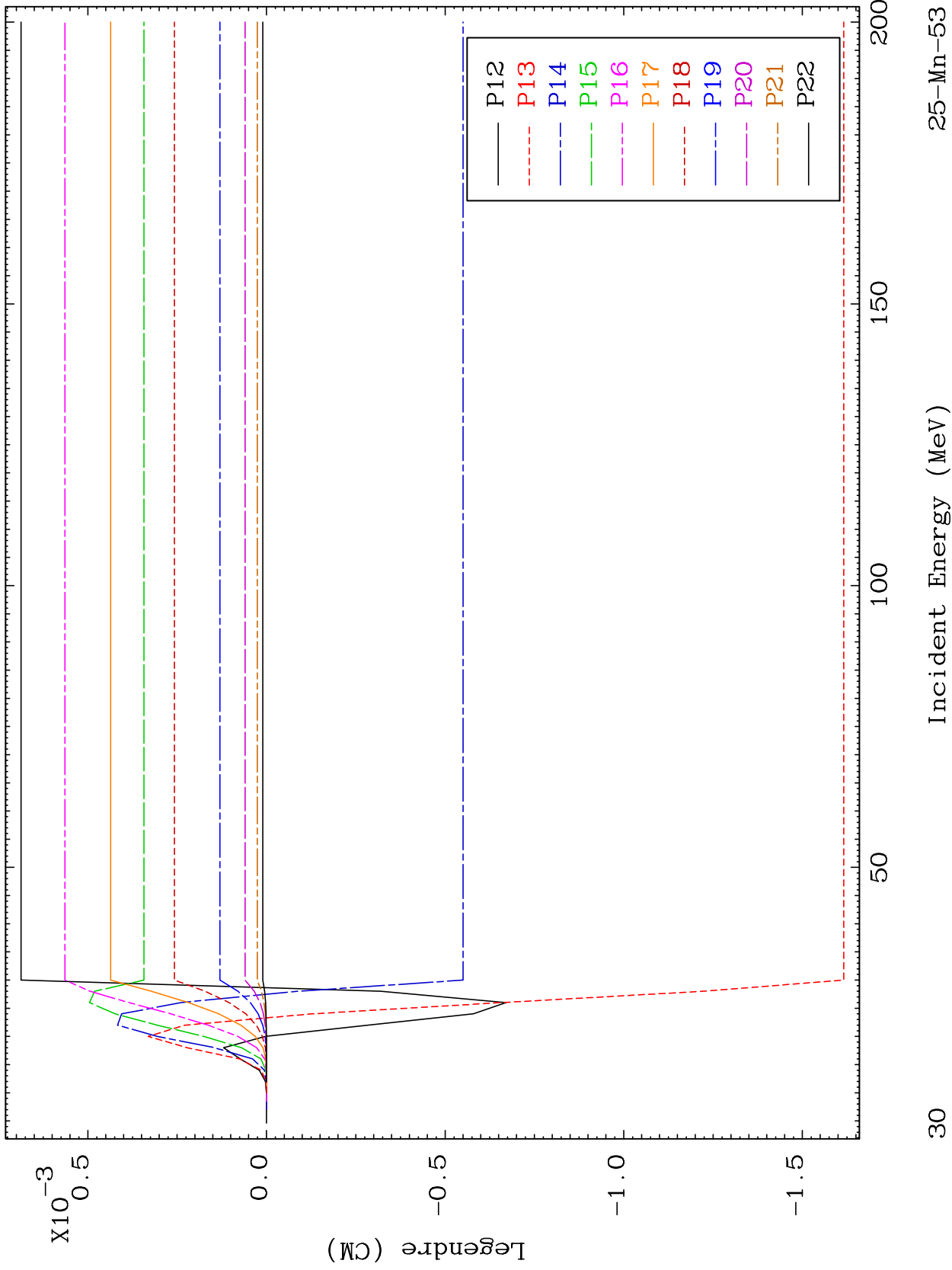
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

25-Mn-53



30

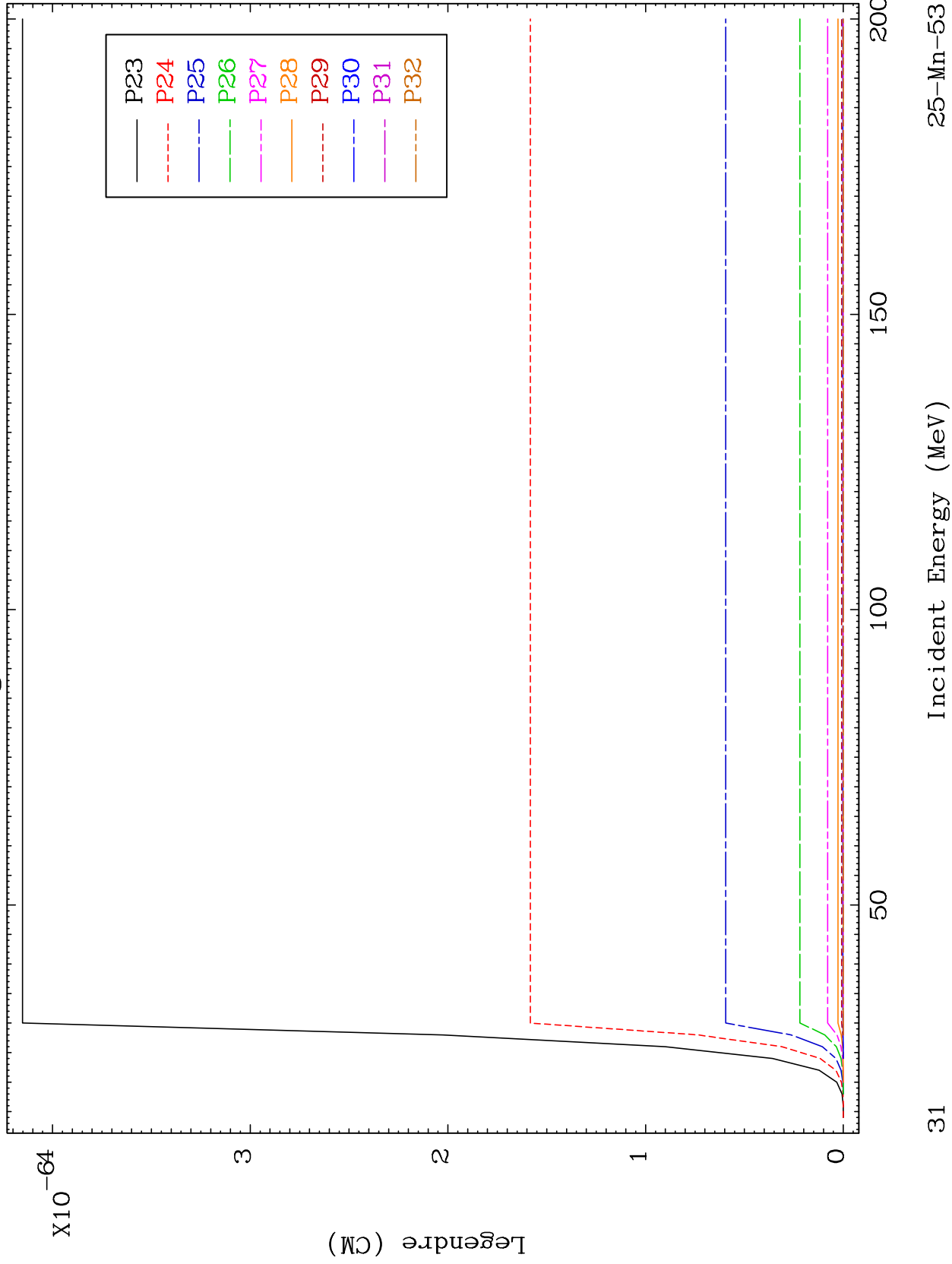
Incident Energy (MeV)

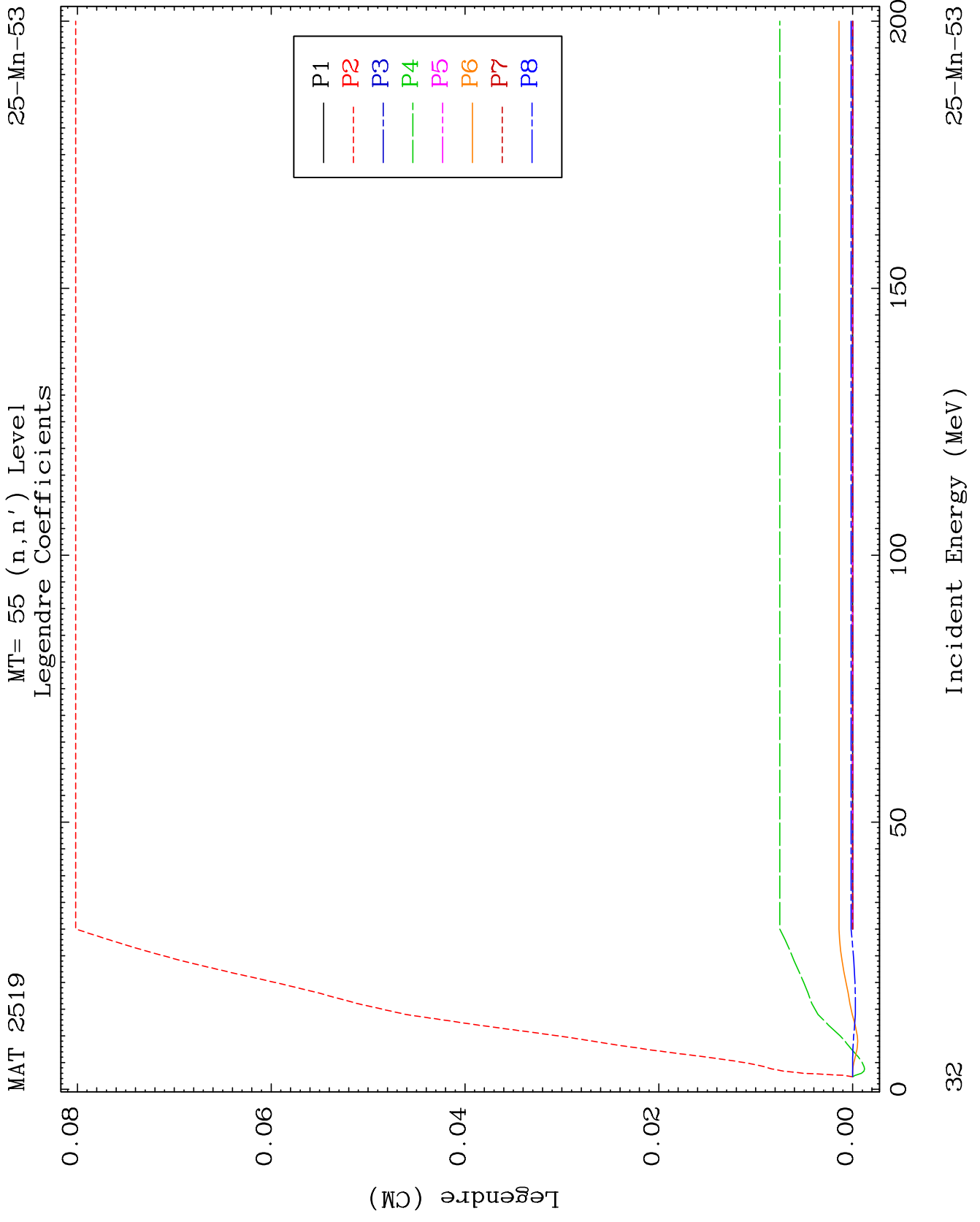
25-Mn-53

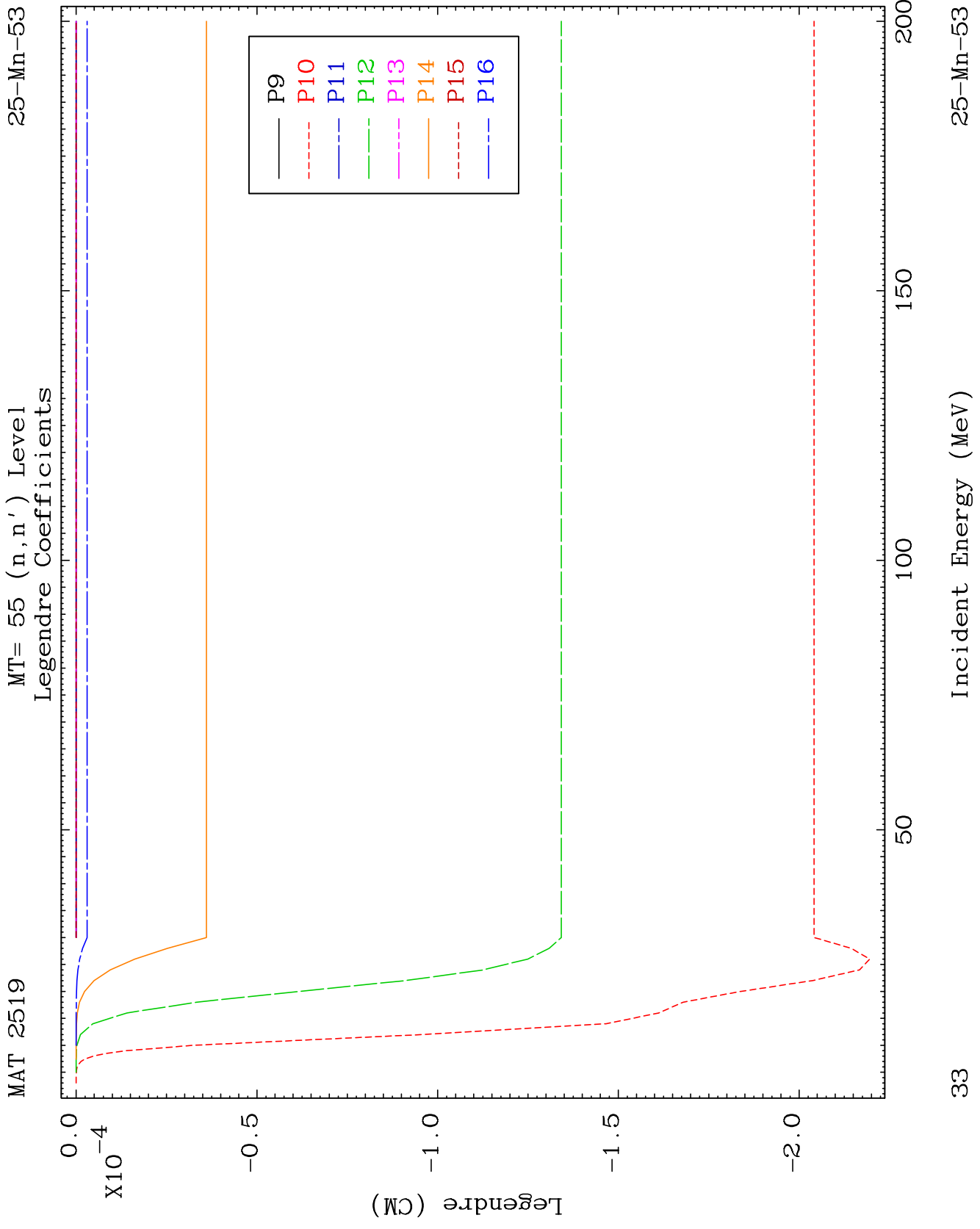
MAT 2519

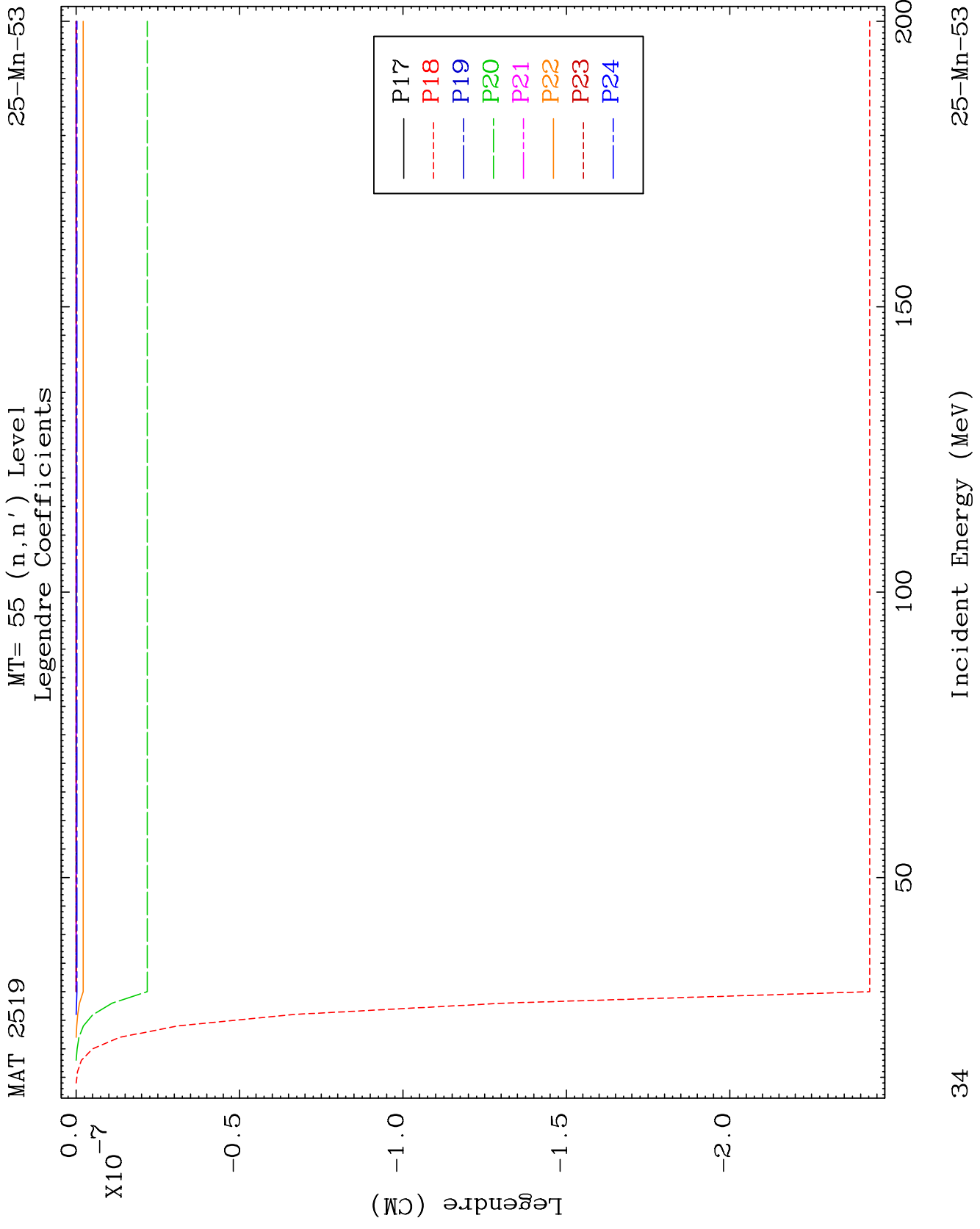
MT= 54 (n,n') Level
Legendre Coefficients

25-Mn-53





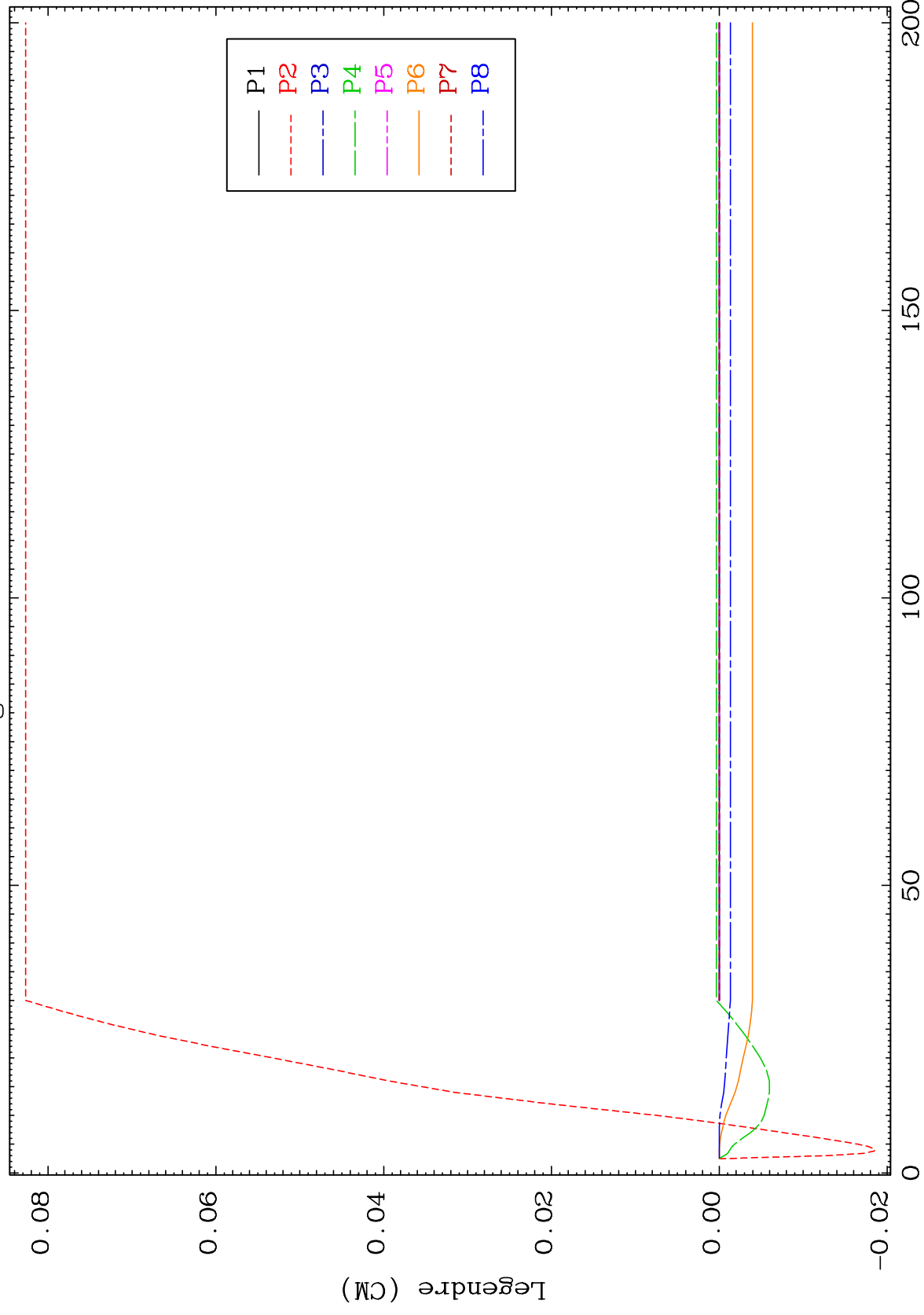




MAT 2519

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

25-Mn-53



25-Mn-53

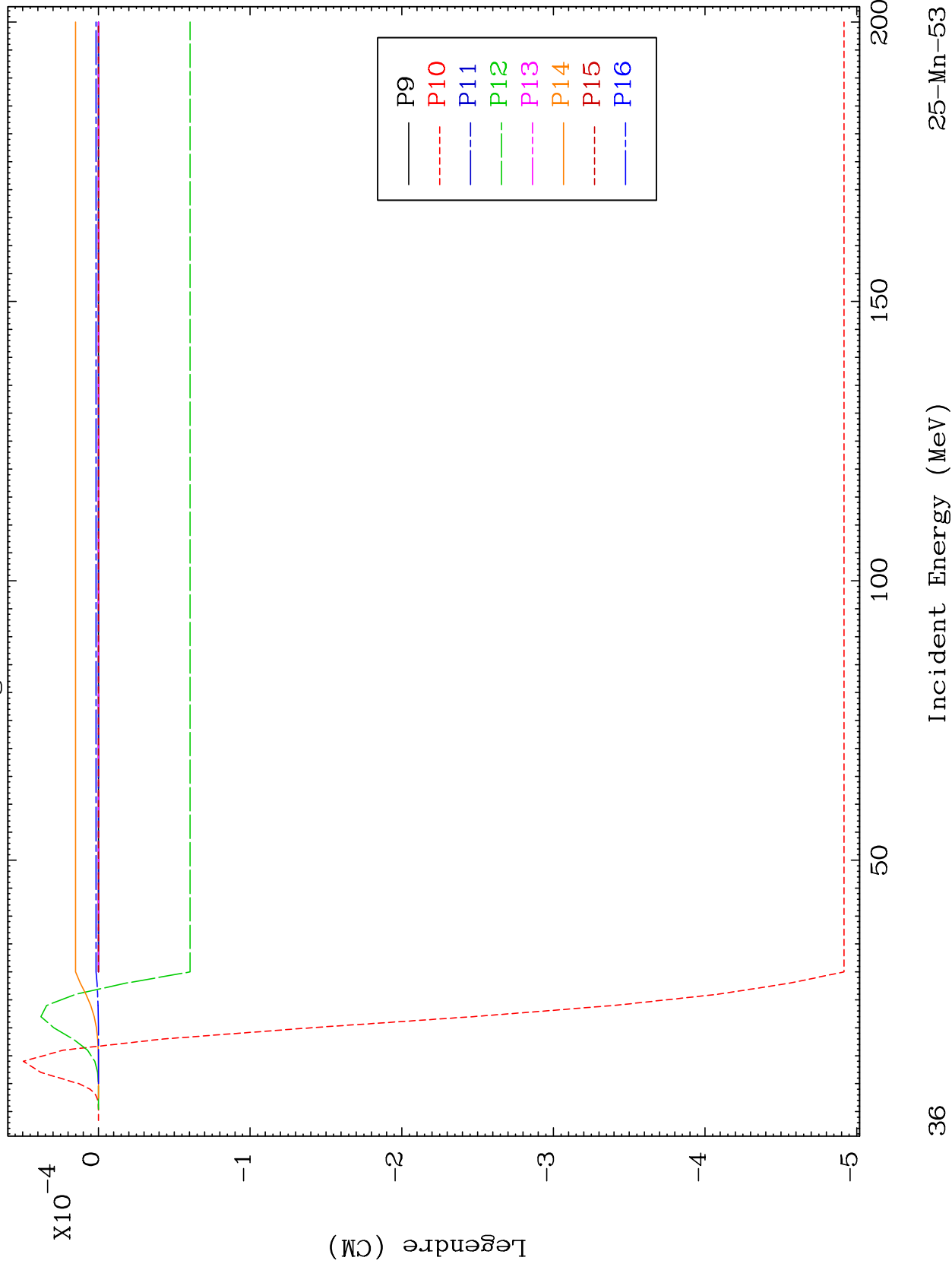
Incident Energy (MeV)

35

MAT 2519

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

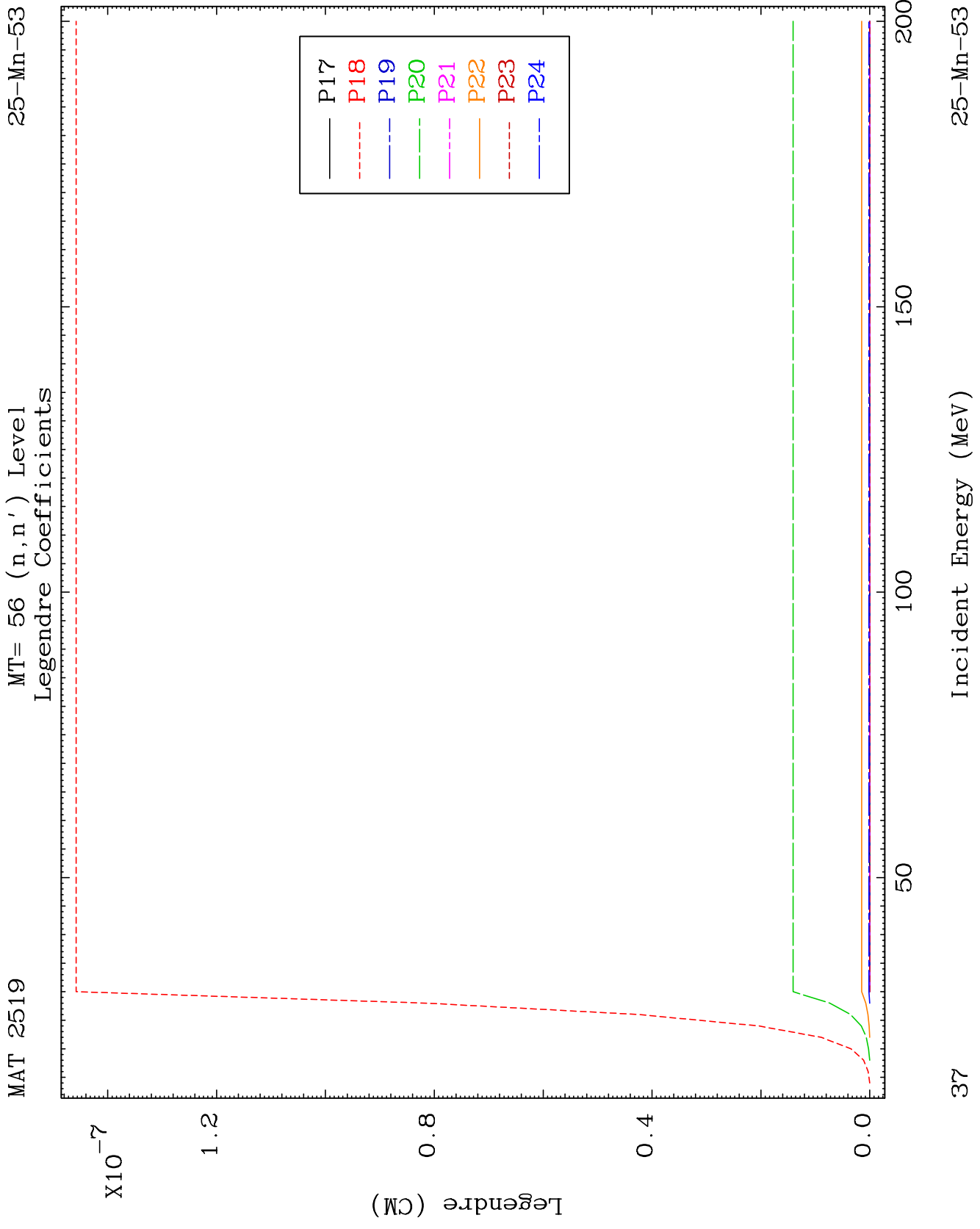
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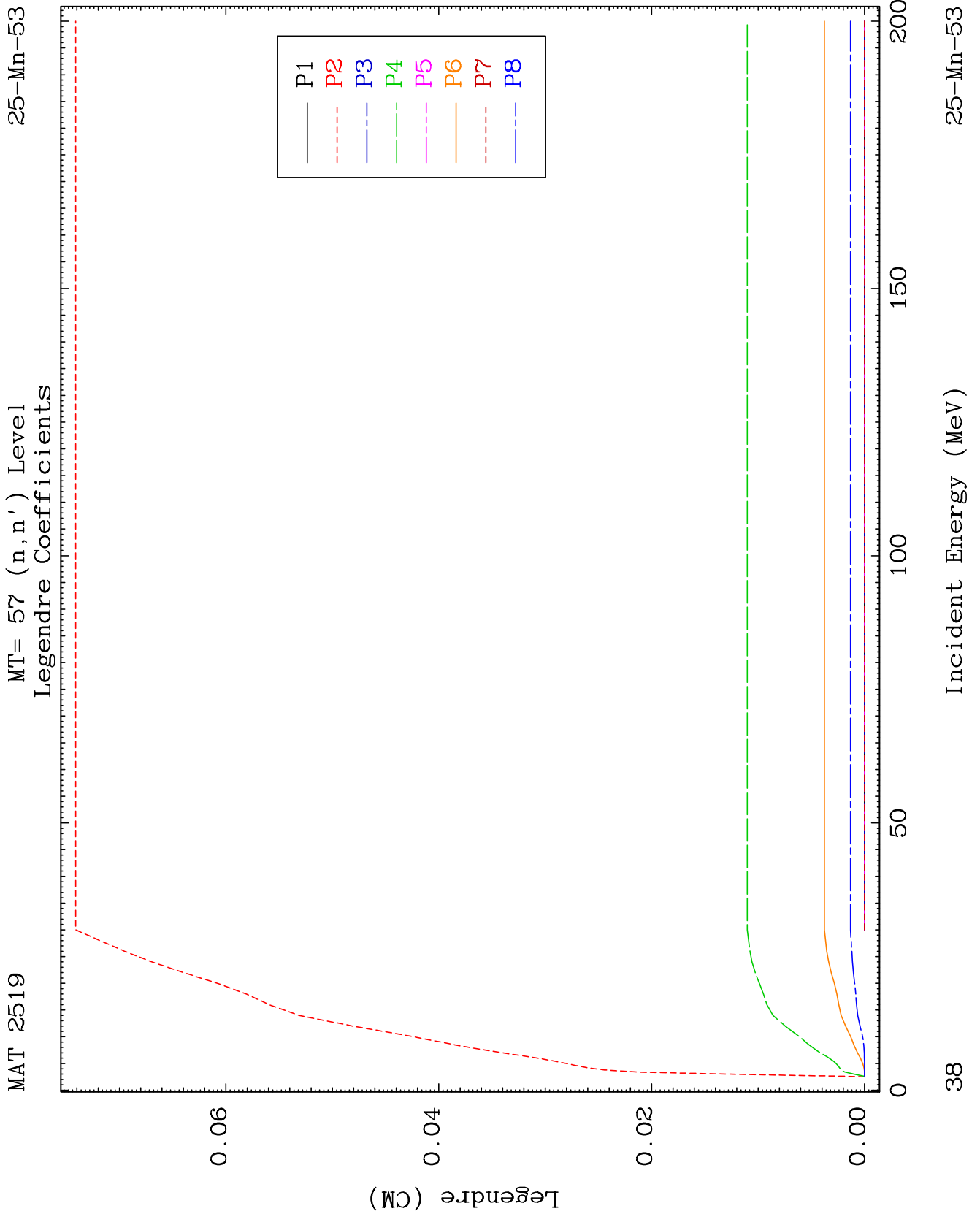


36

Incident Energy (MeV)

25-Mn-53

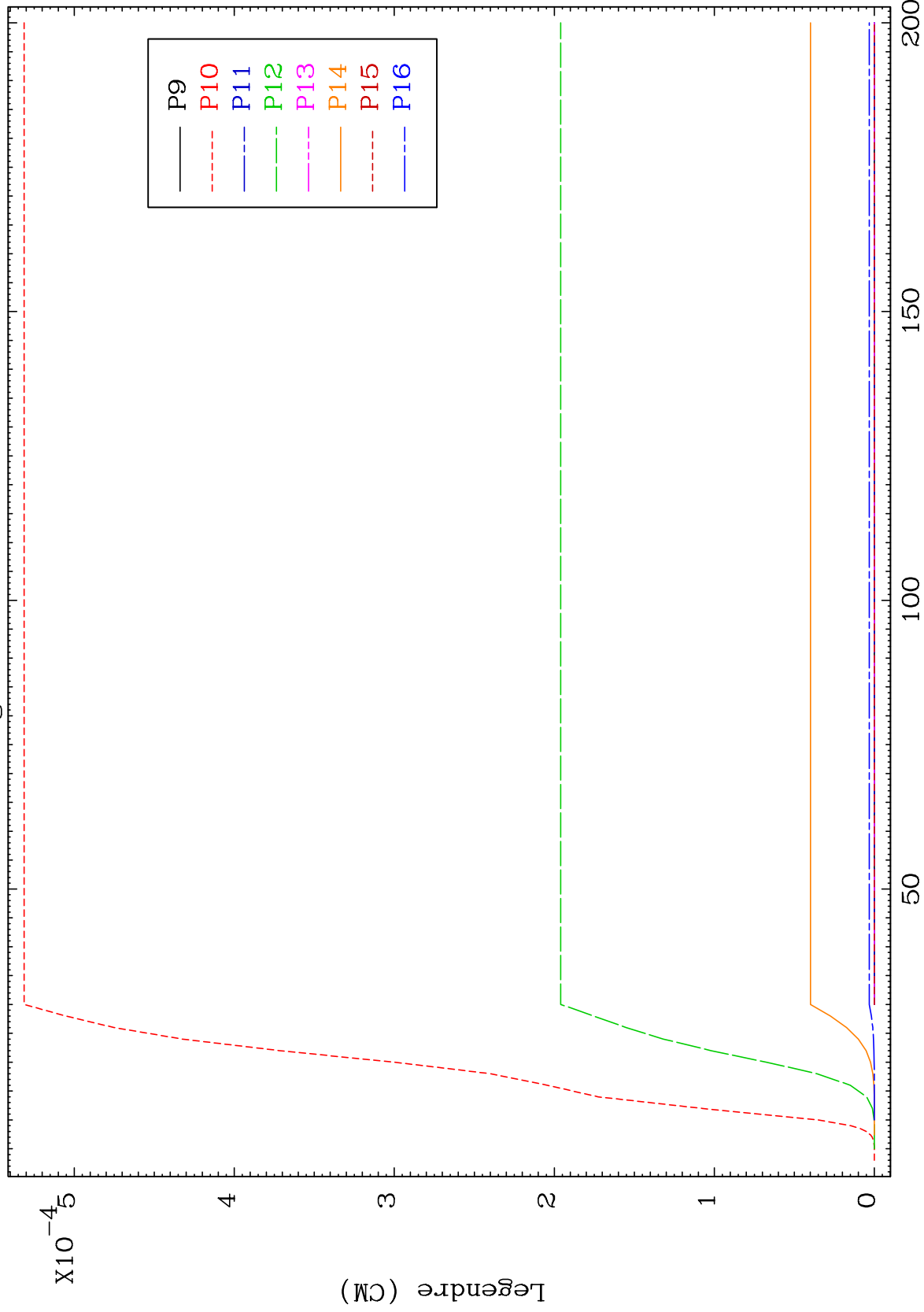




MAT 2519

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

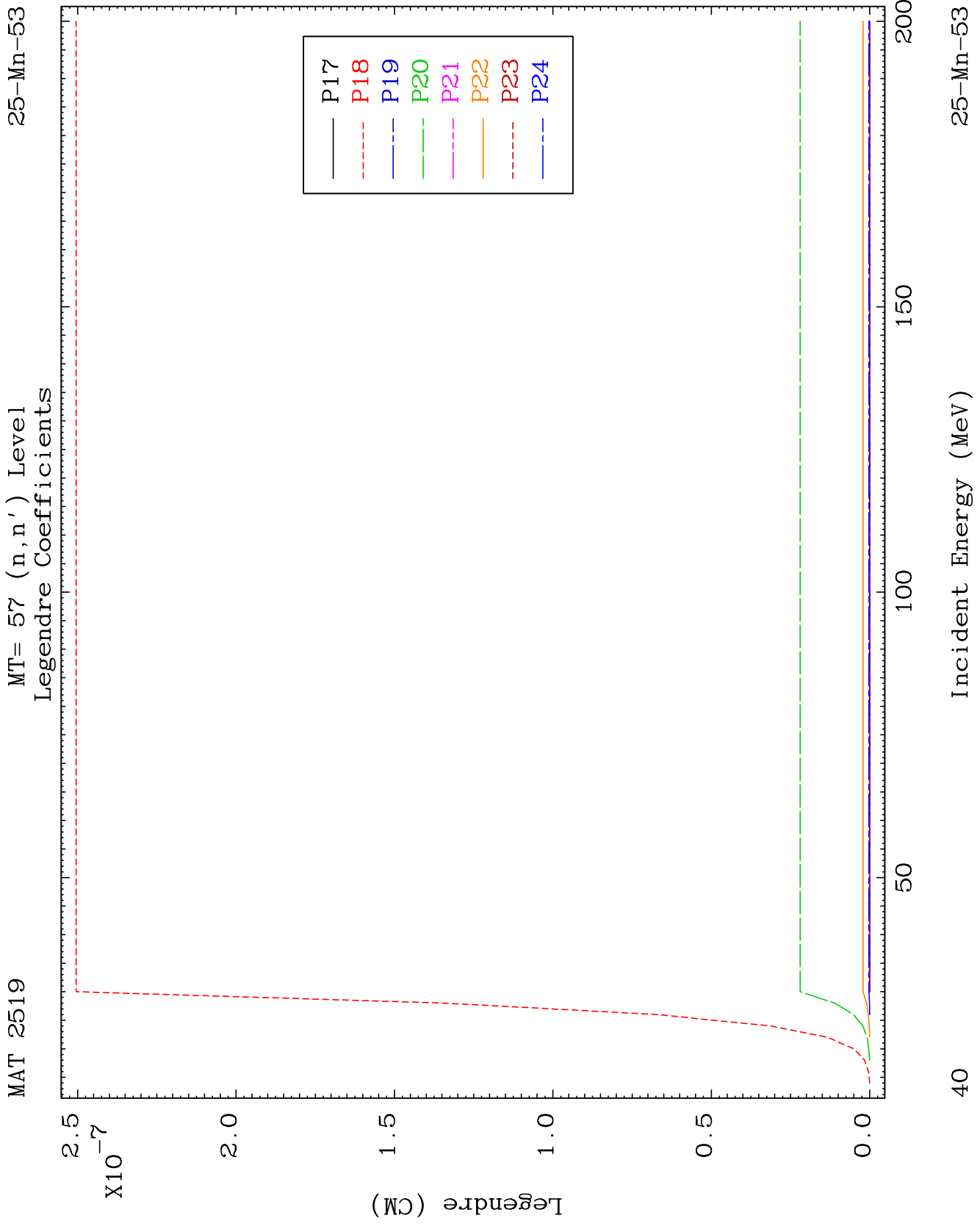
25-Mn-53



39

Incident Energy (MeV)

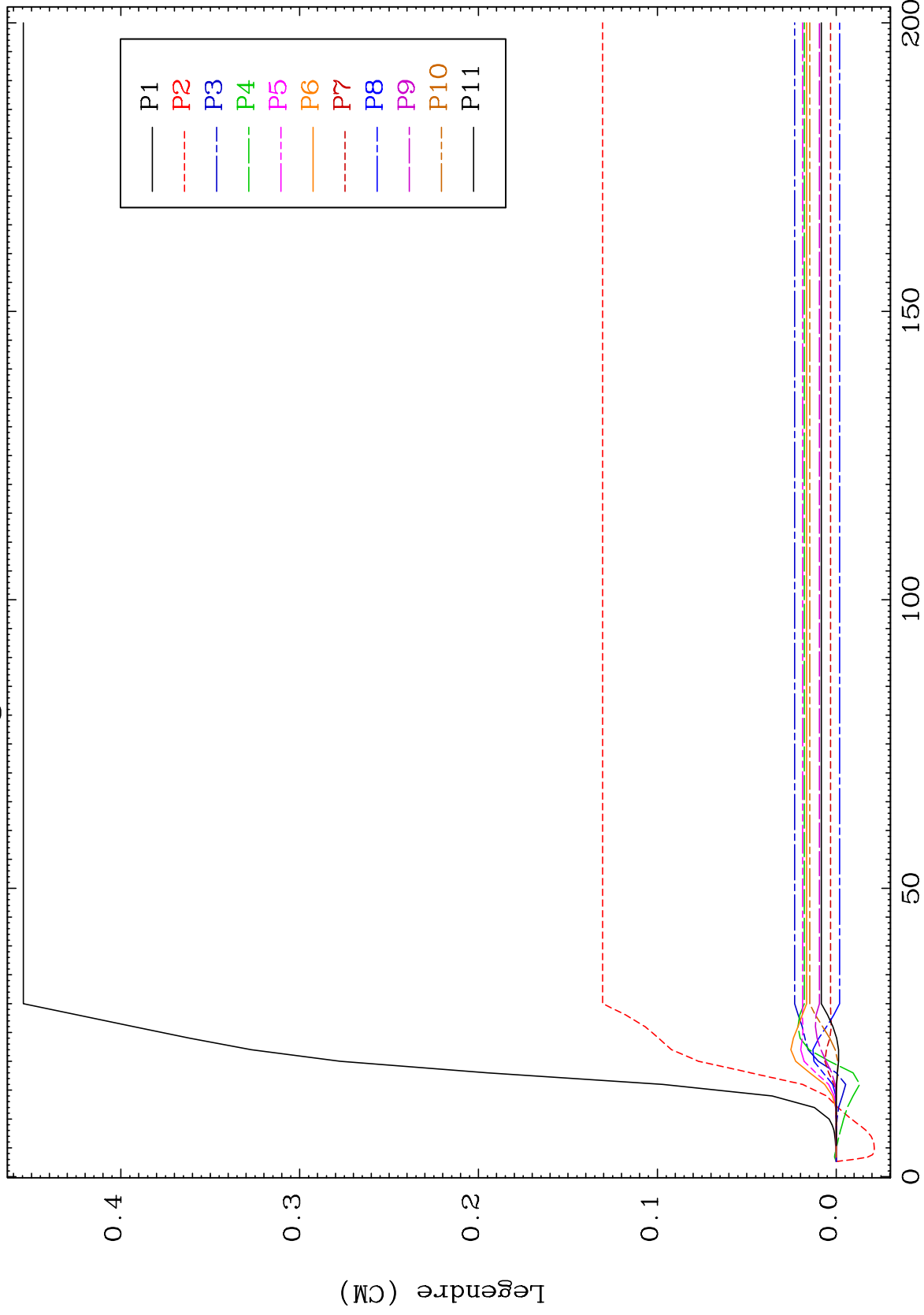
25-Mn-53



MAT 2519

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

25-Mn-53



41

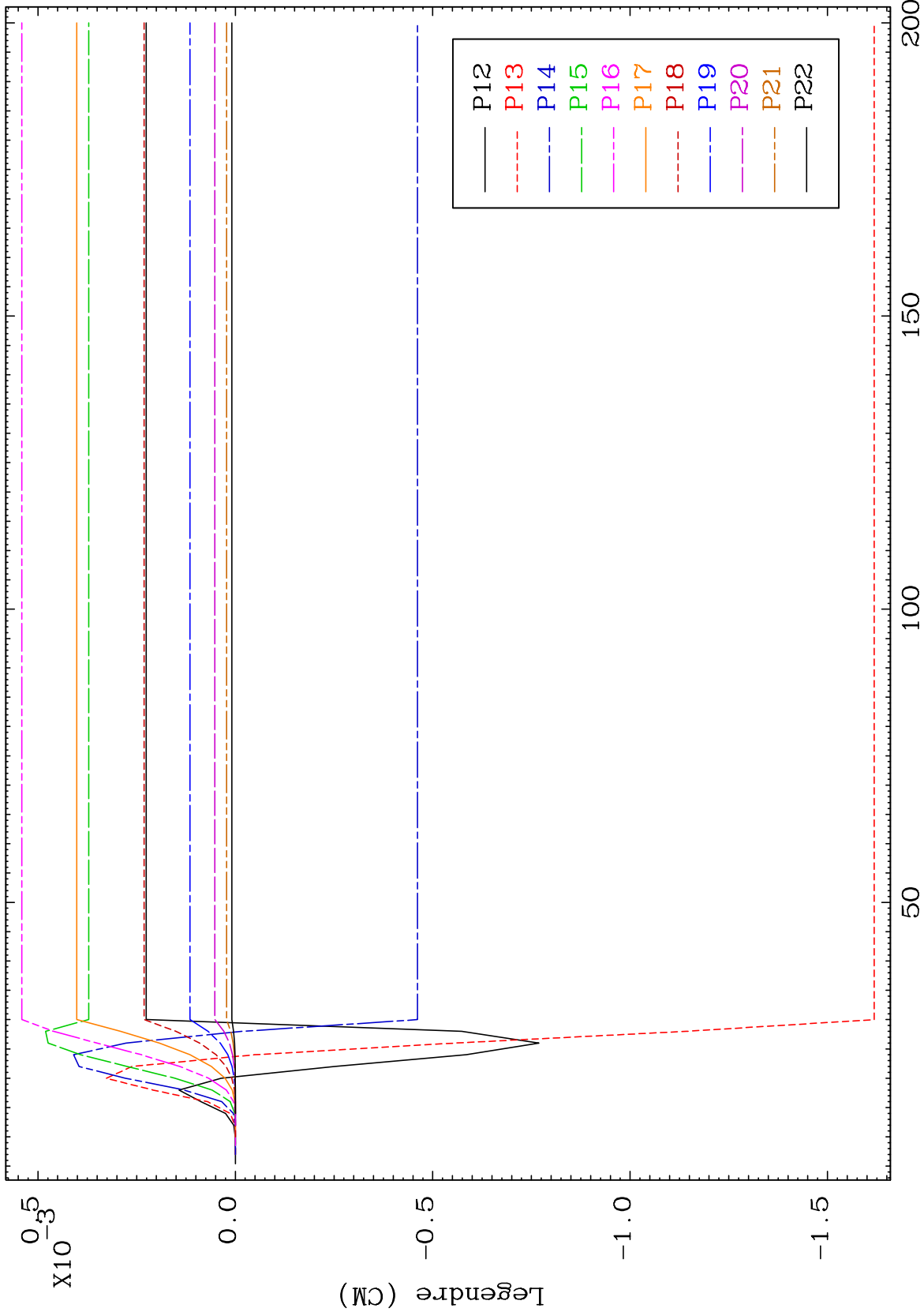
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

25-Mn-53



42

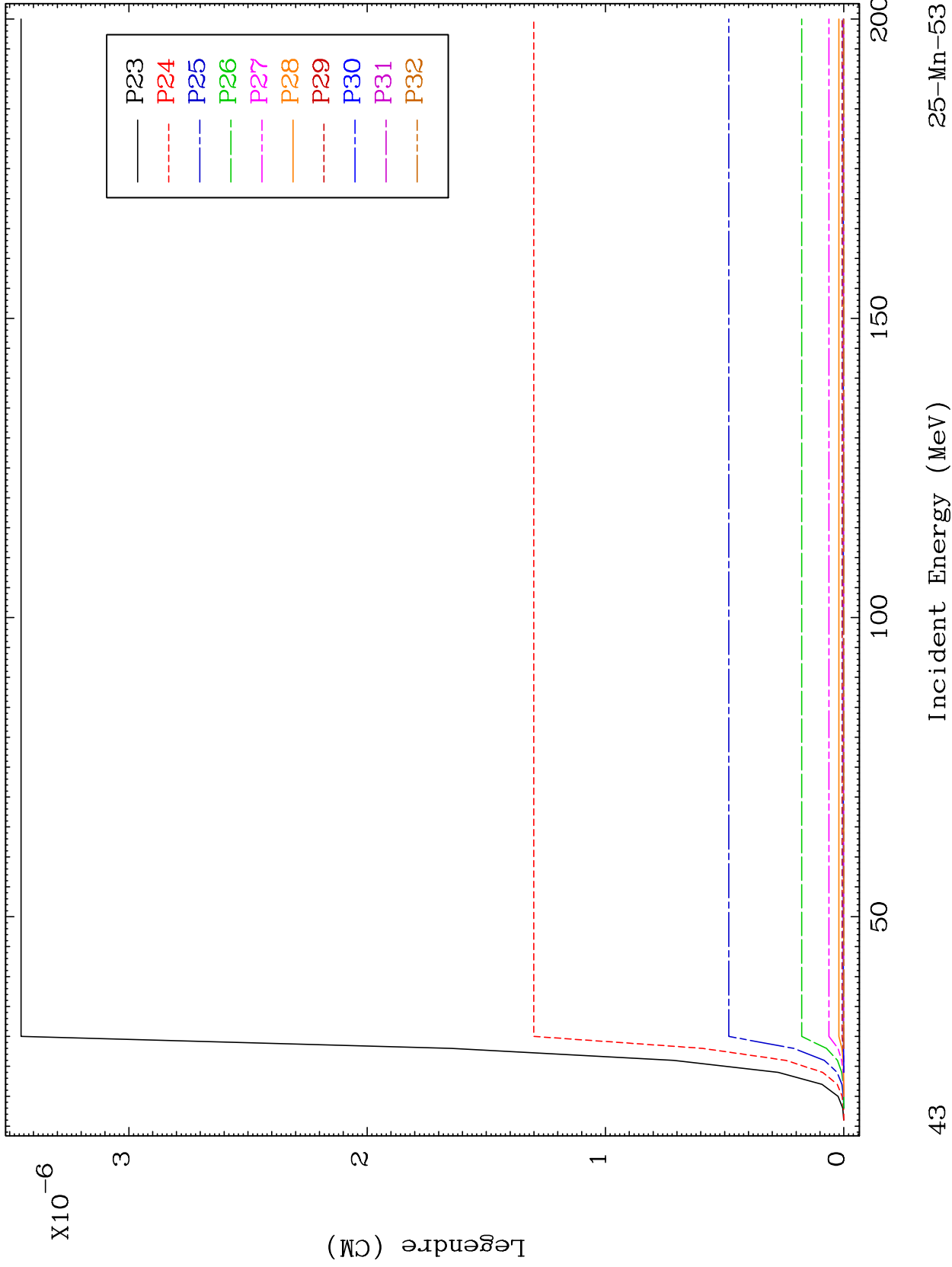
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

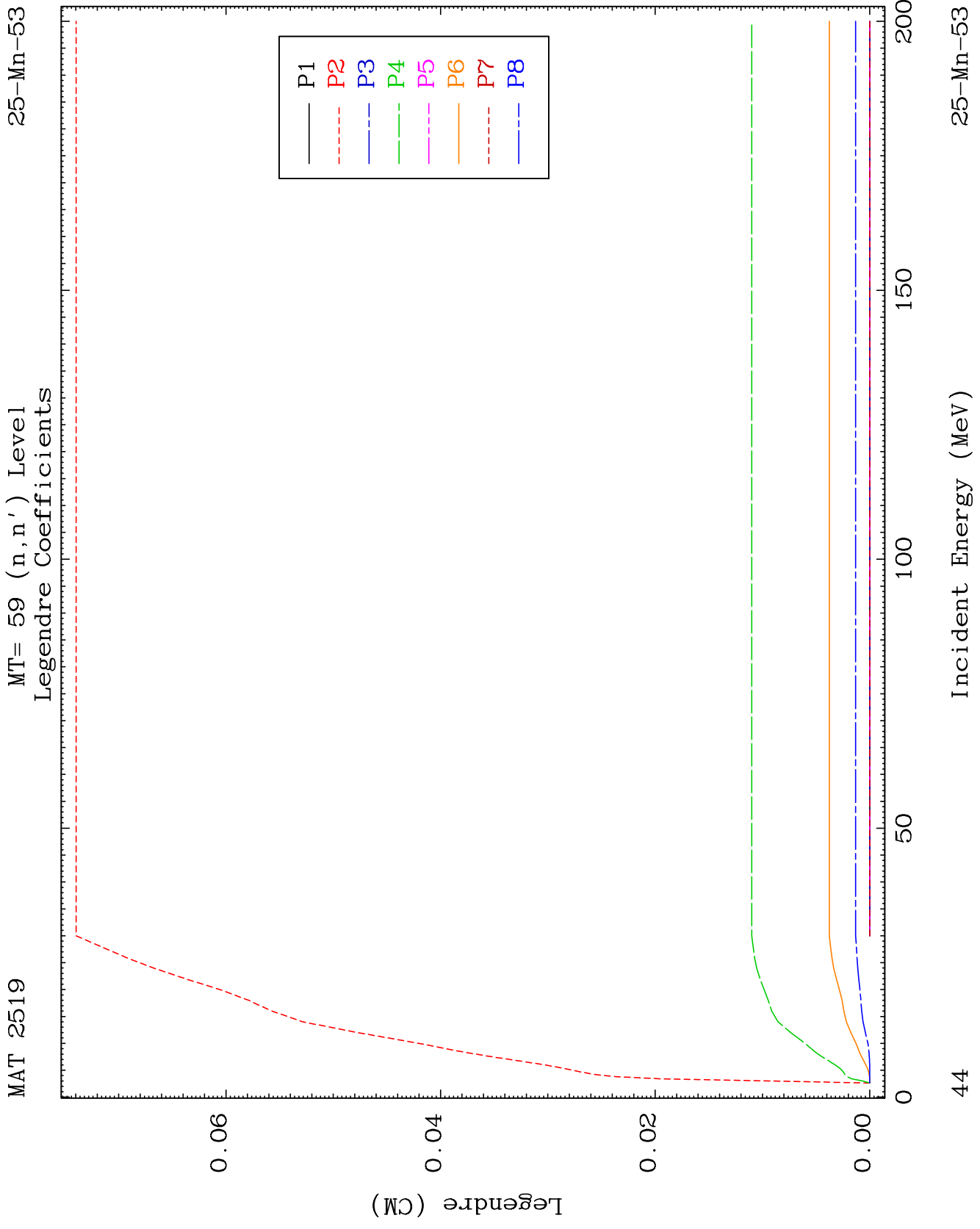
25-Mn-53



43

Incident Energy (MeV)

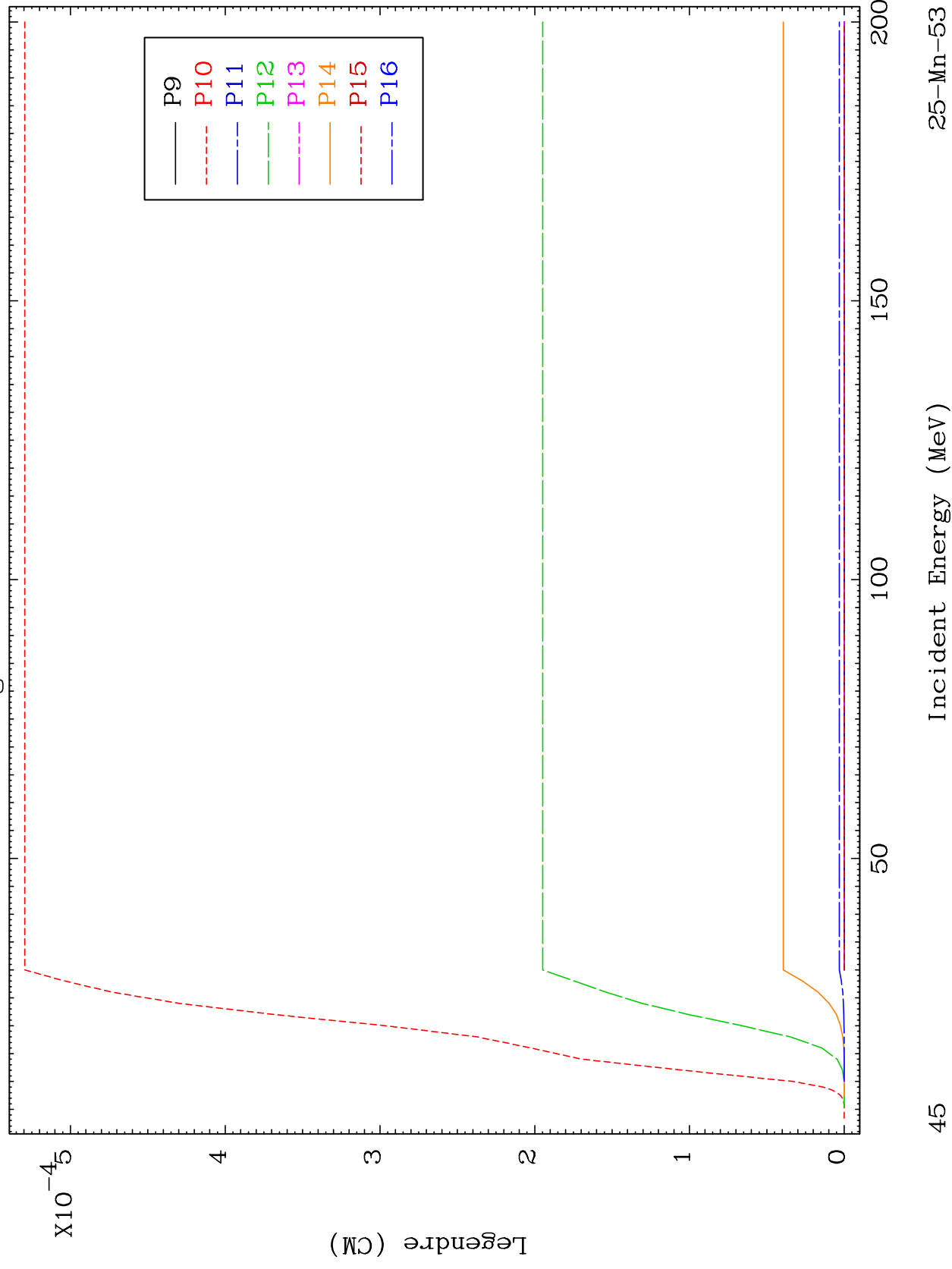
25-Mn-53



MAT 2519

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

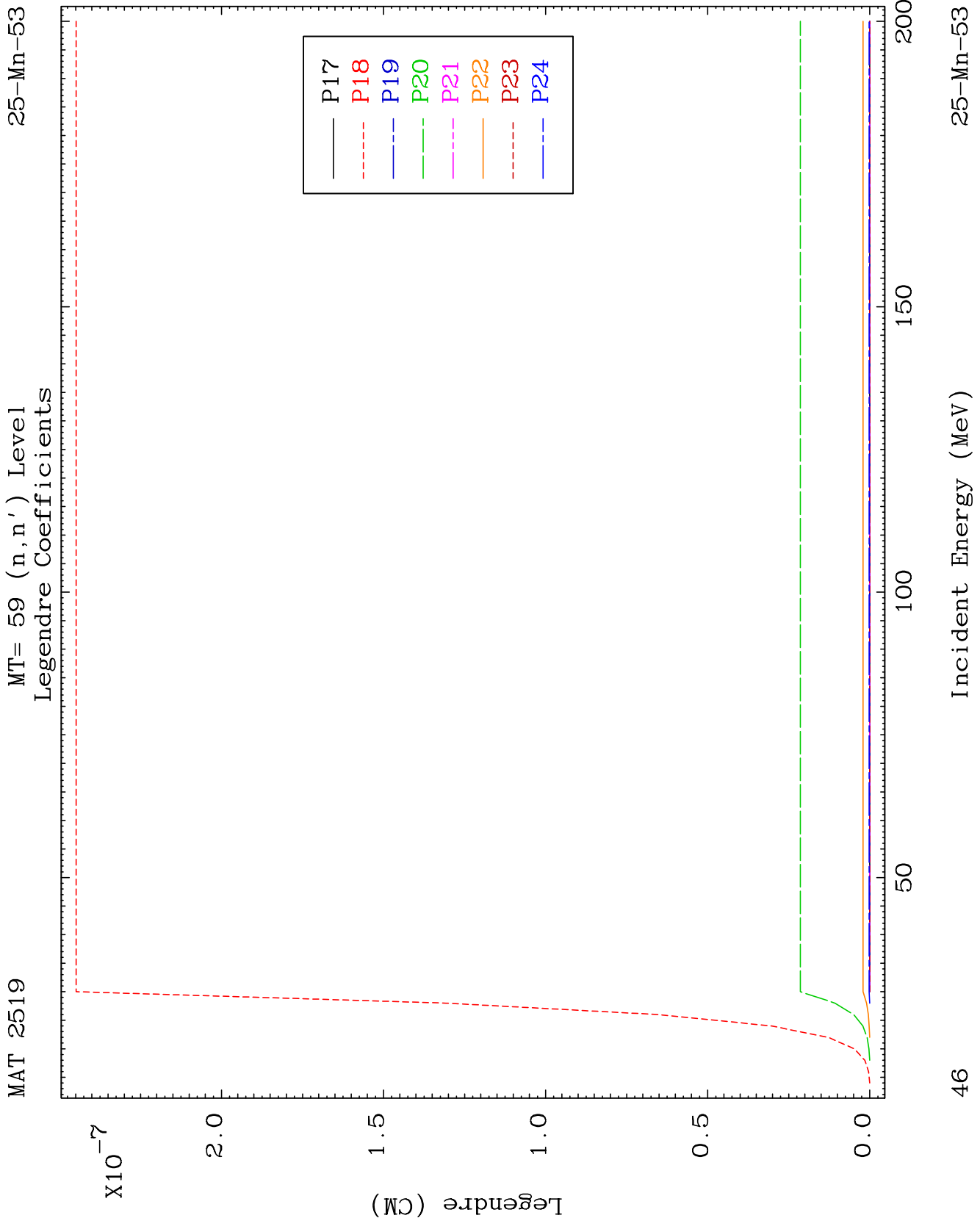
25-Mn-53



45

Incident Energy (MeV)

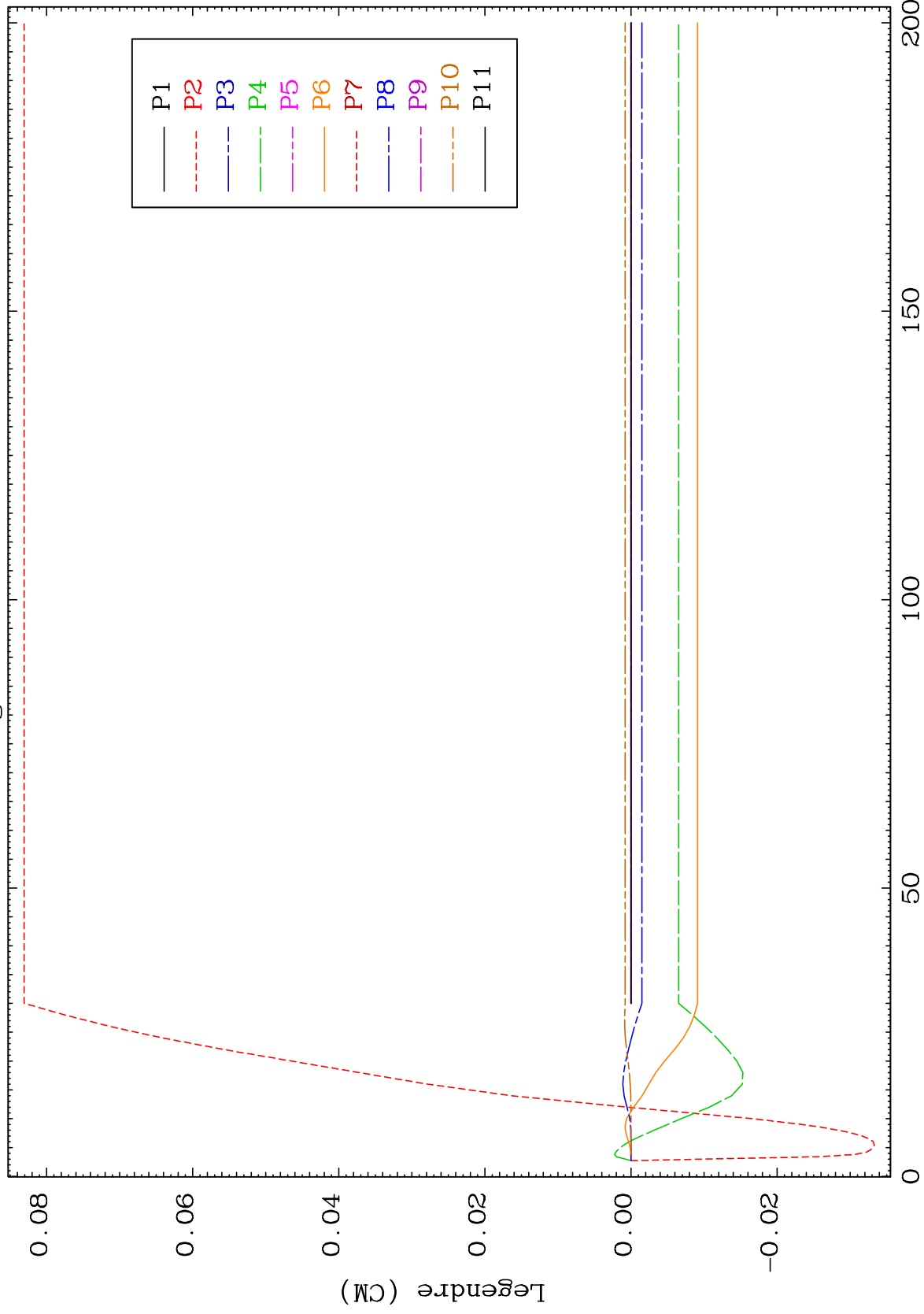
25-Mn-53



MAT 2519

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

25-Mn-53



47

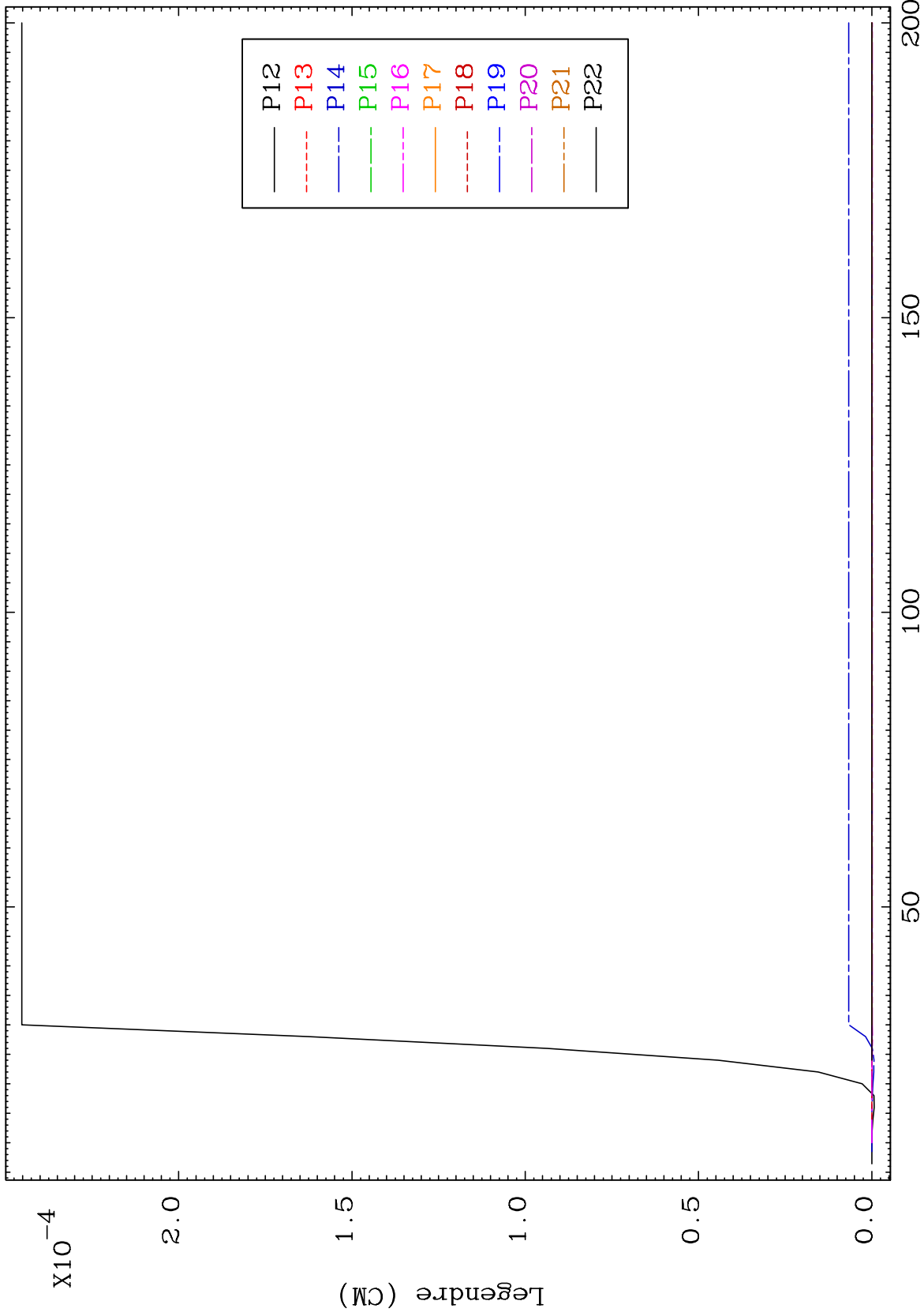
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

25-Mn-53



48

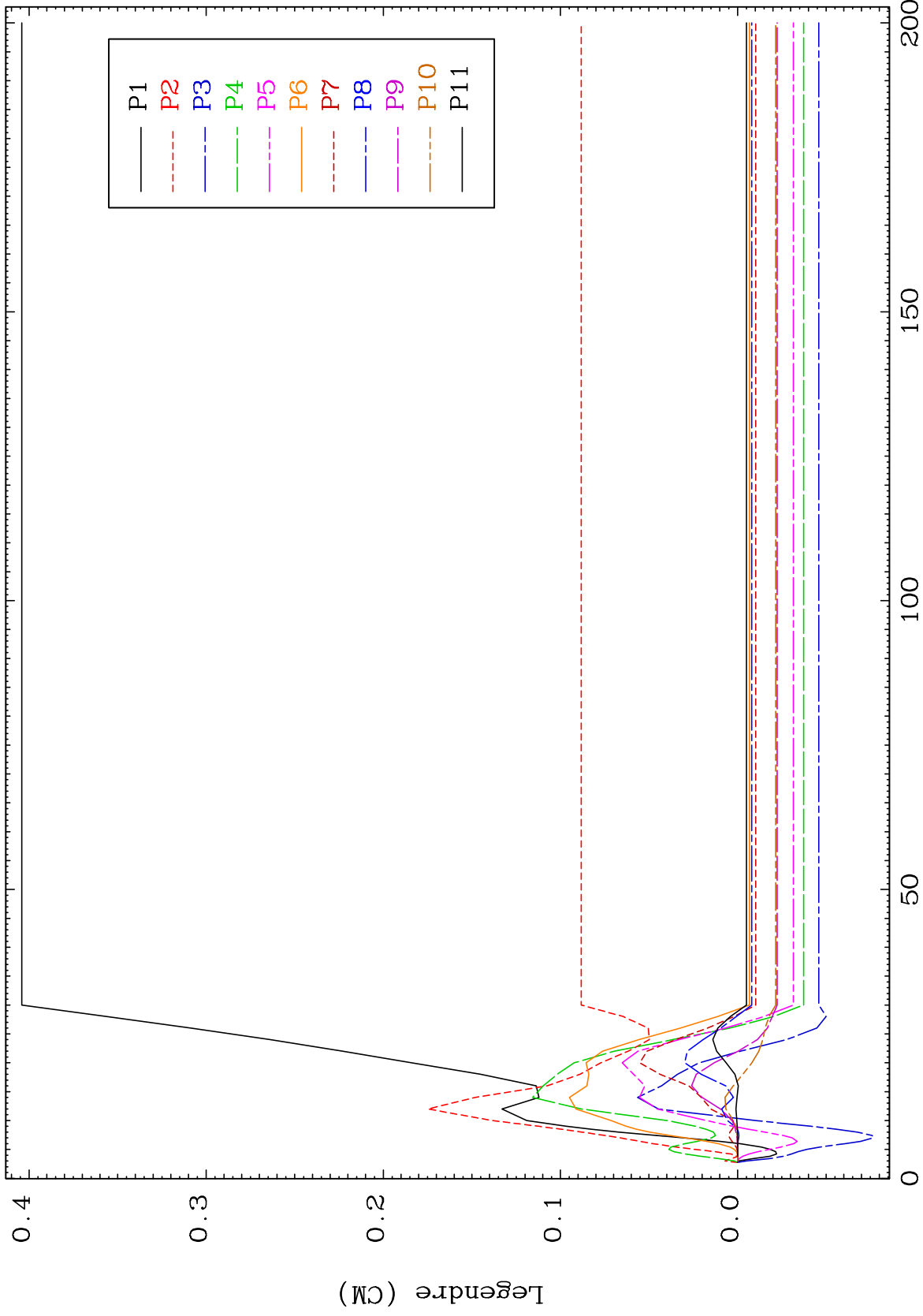
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

25-Mn-53



49

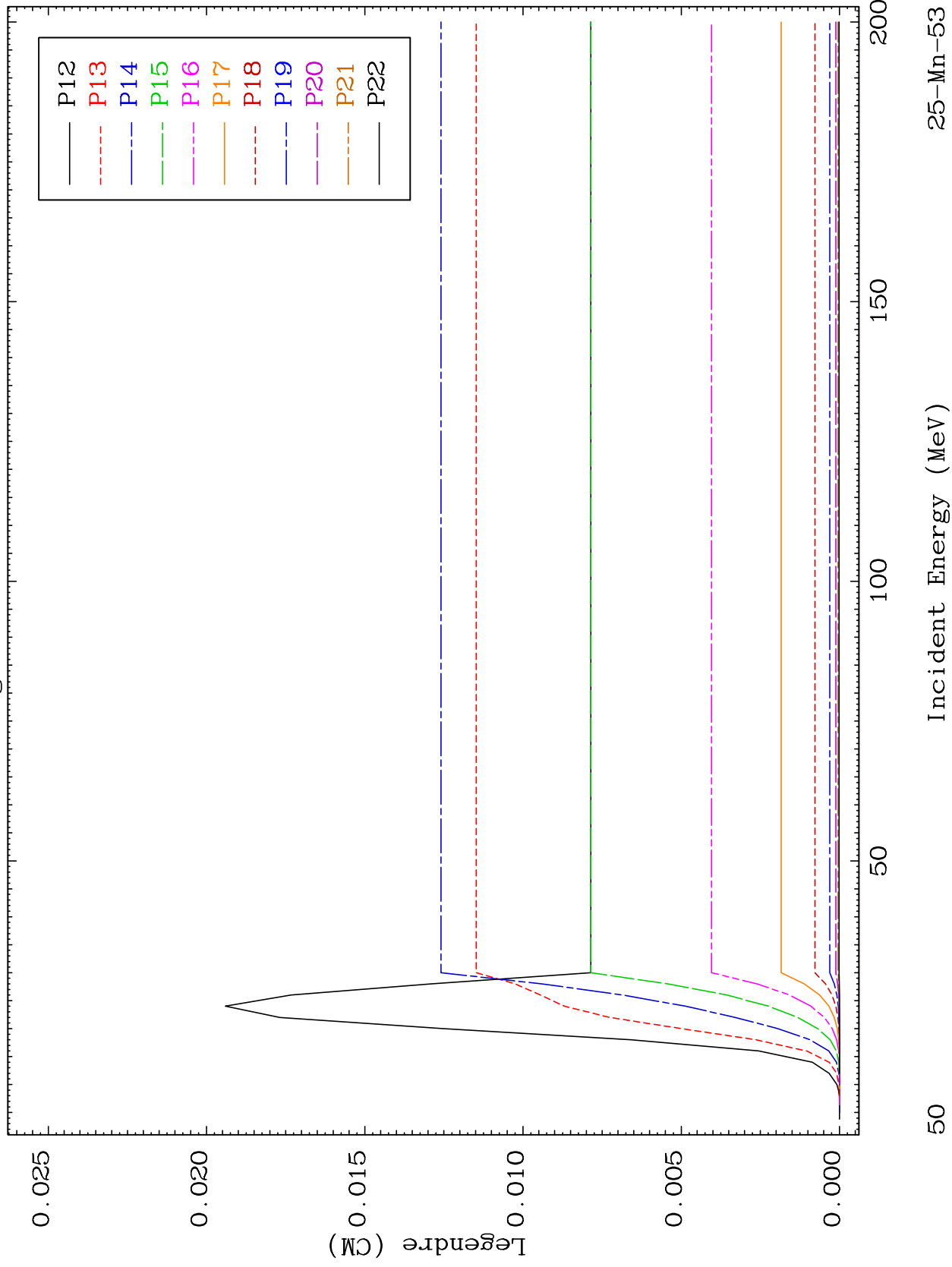
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

25-Mn-53



25-Mn-53

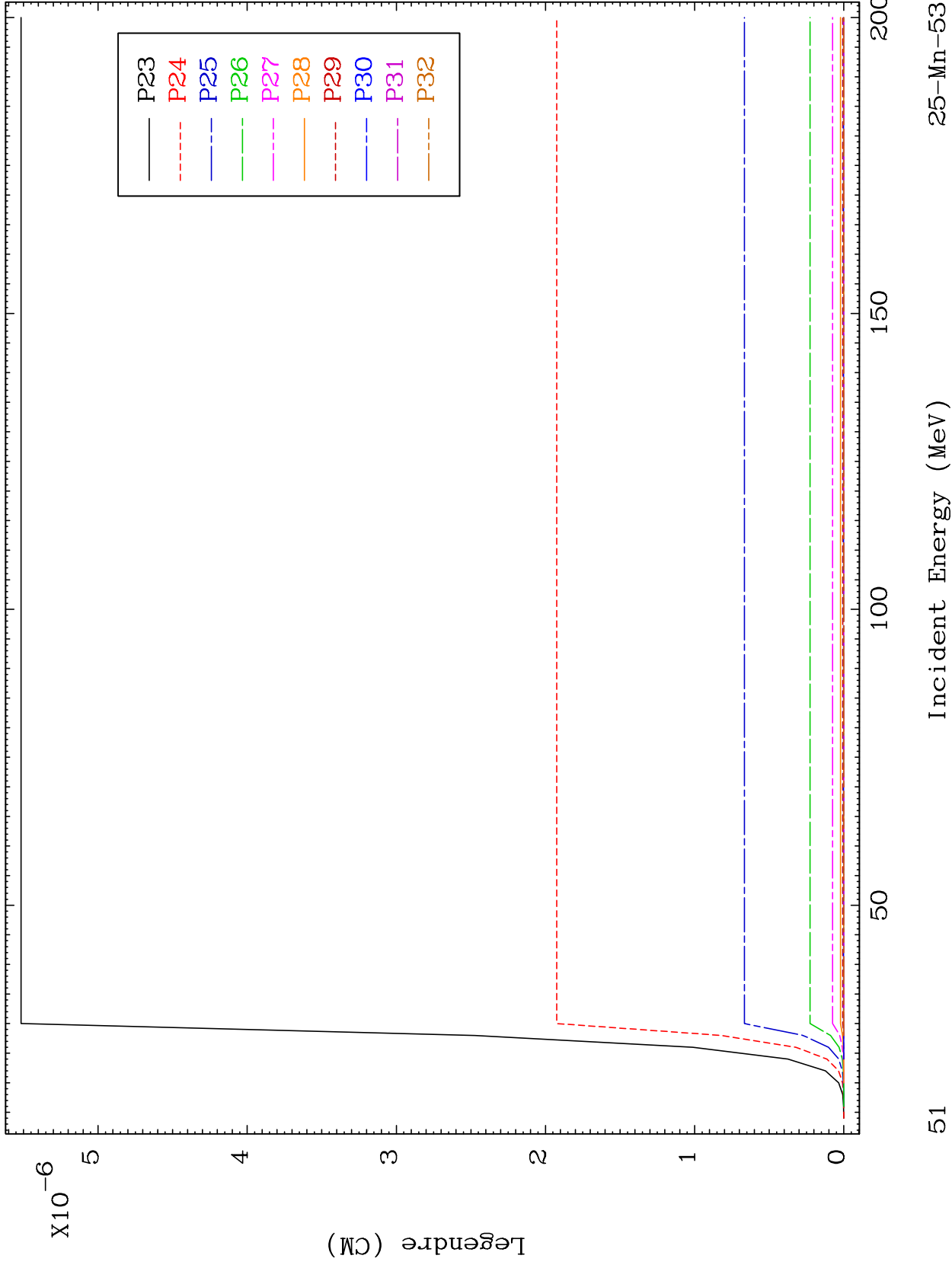
Incident Energy (MeV)

50

MAT 2519

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

25-Mn-53



51

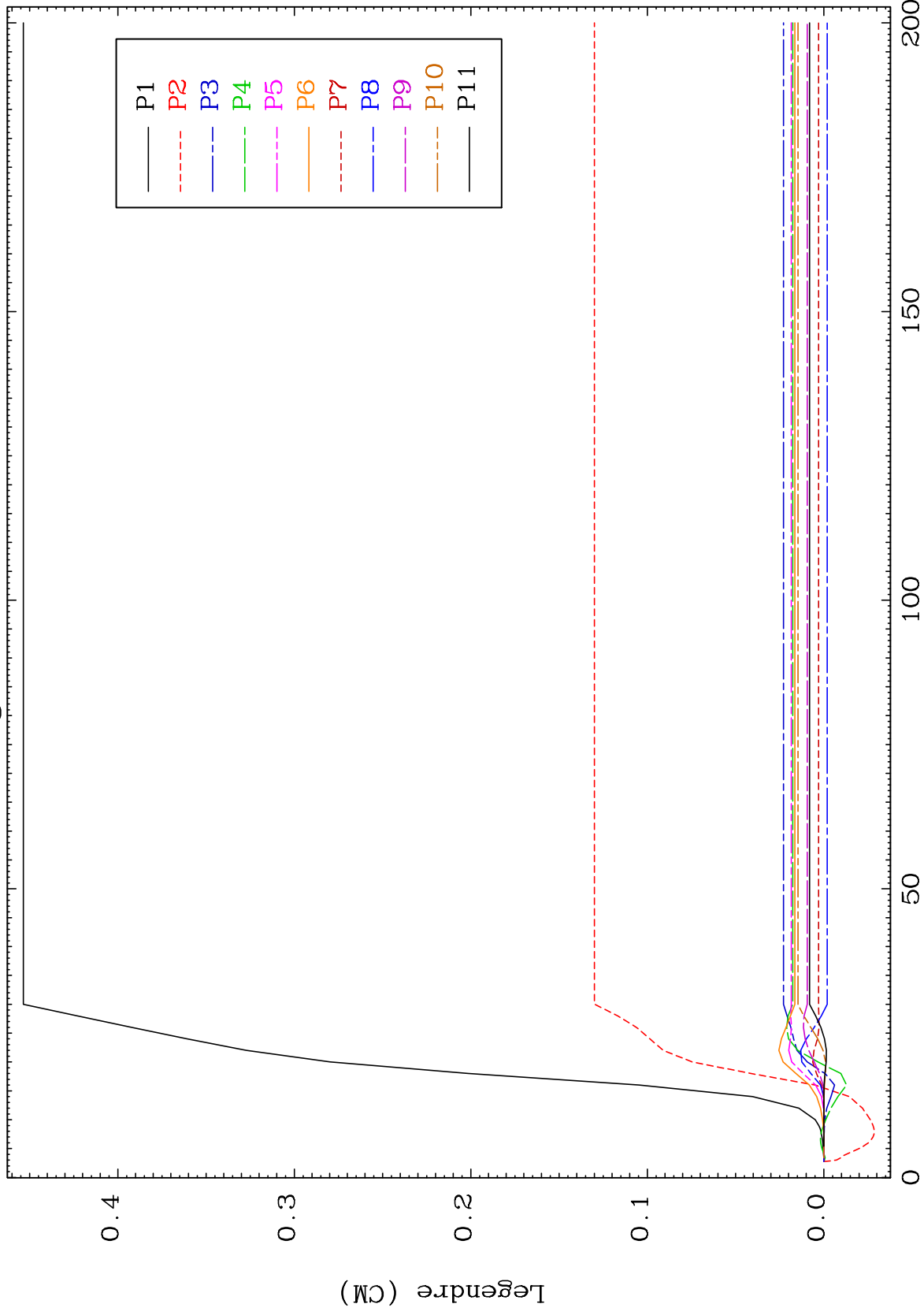
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

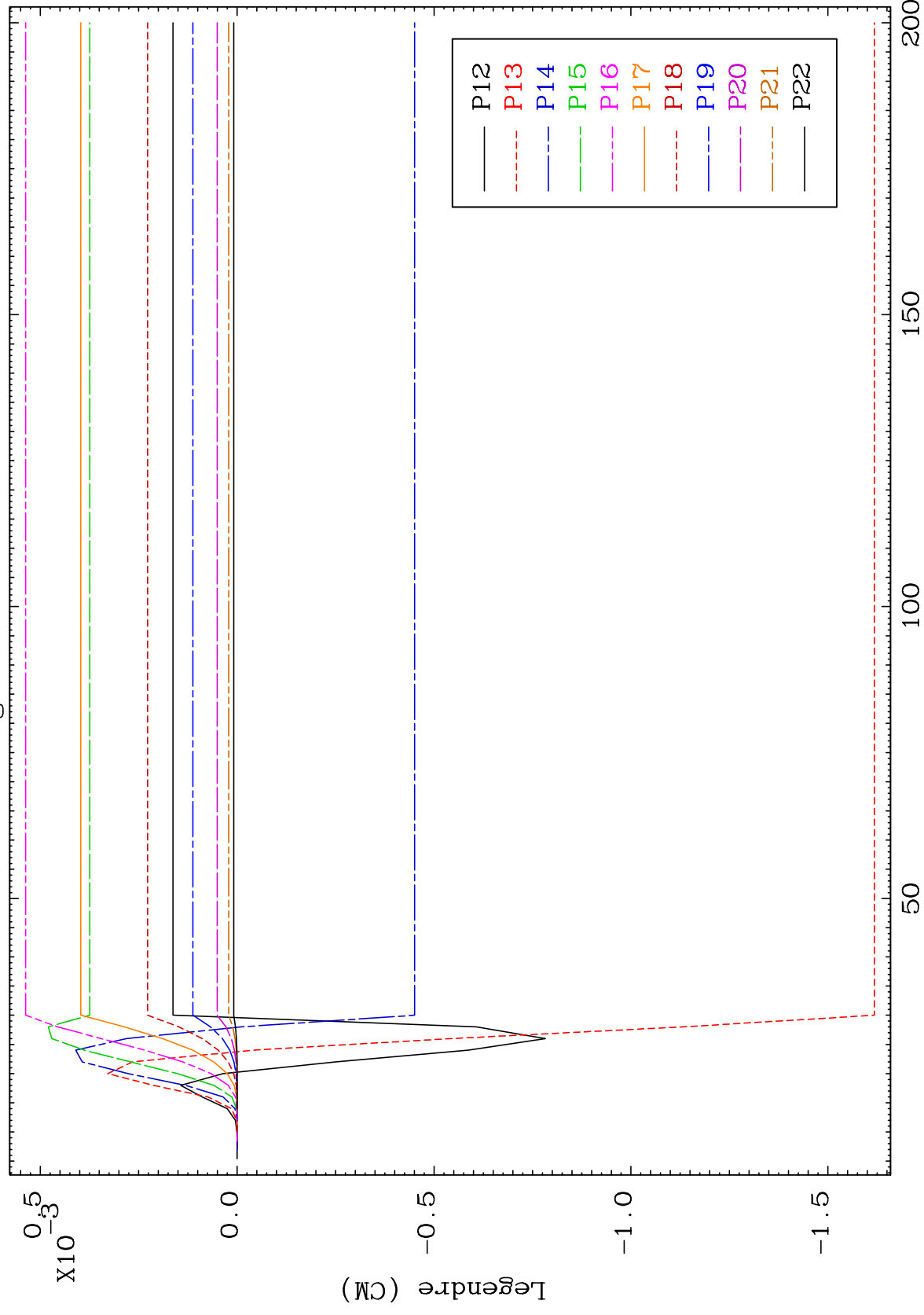
25-Mn-53



52

Incident Energy (MeV)

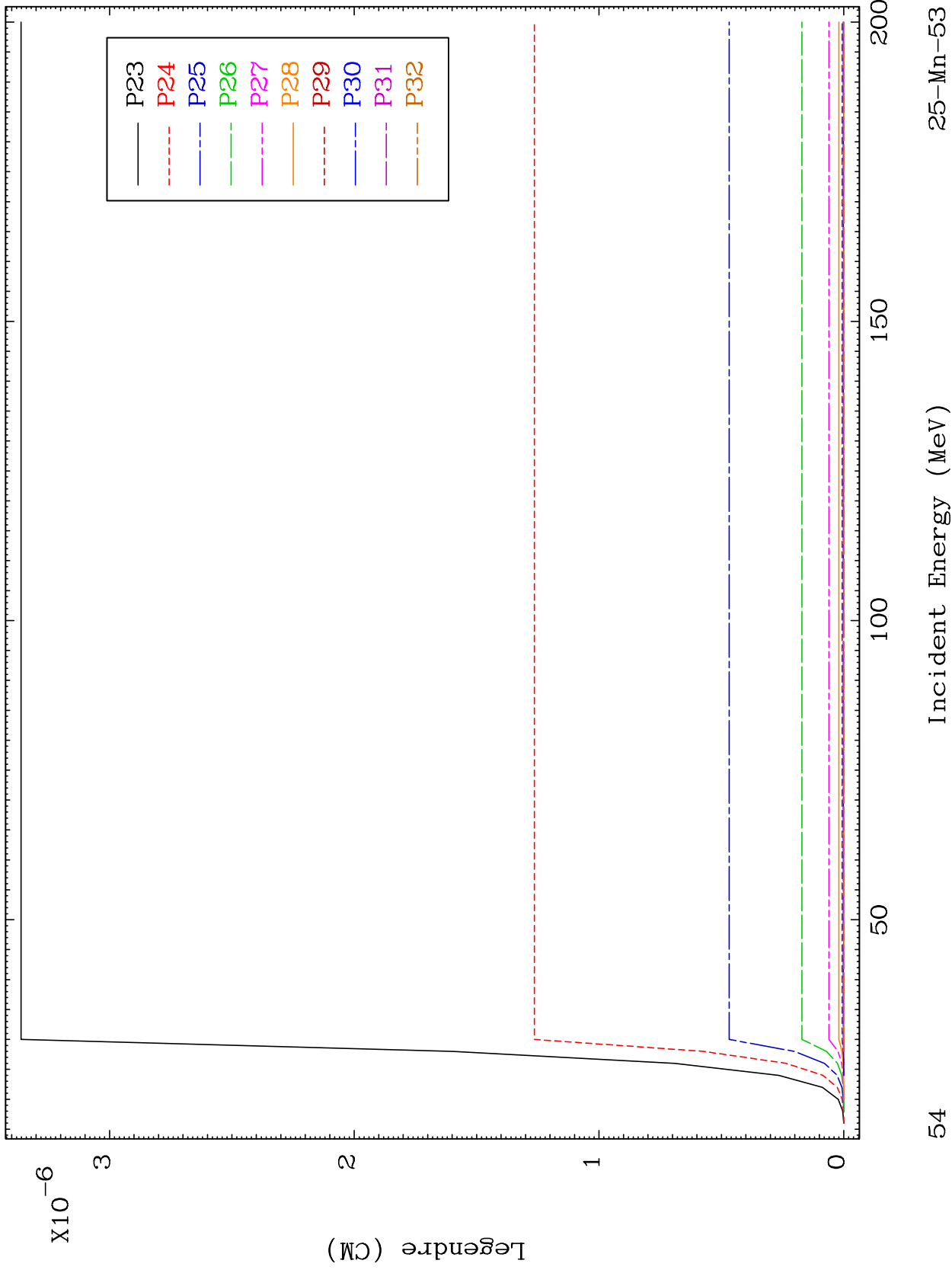
25-Mn-53

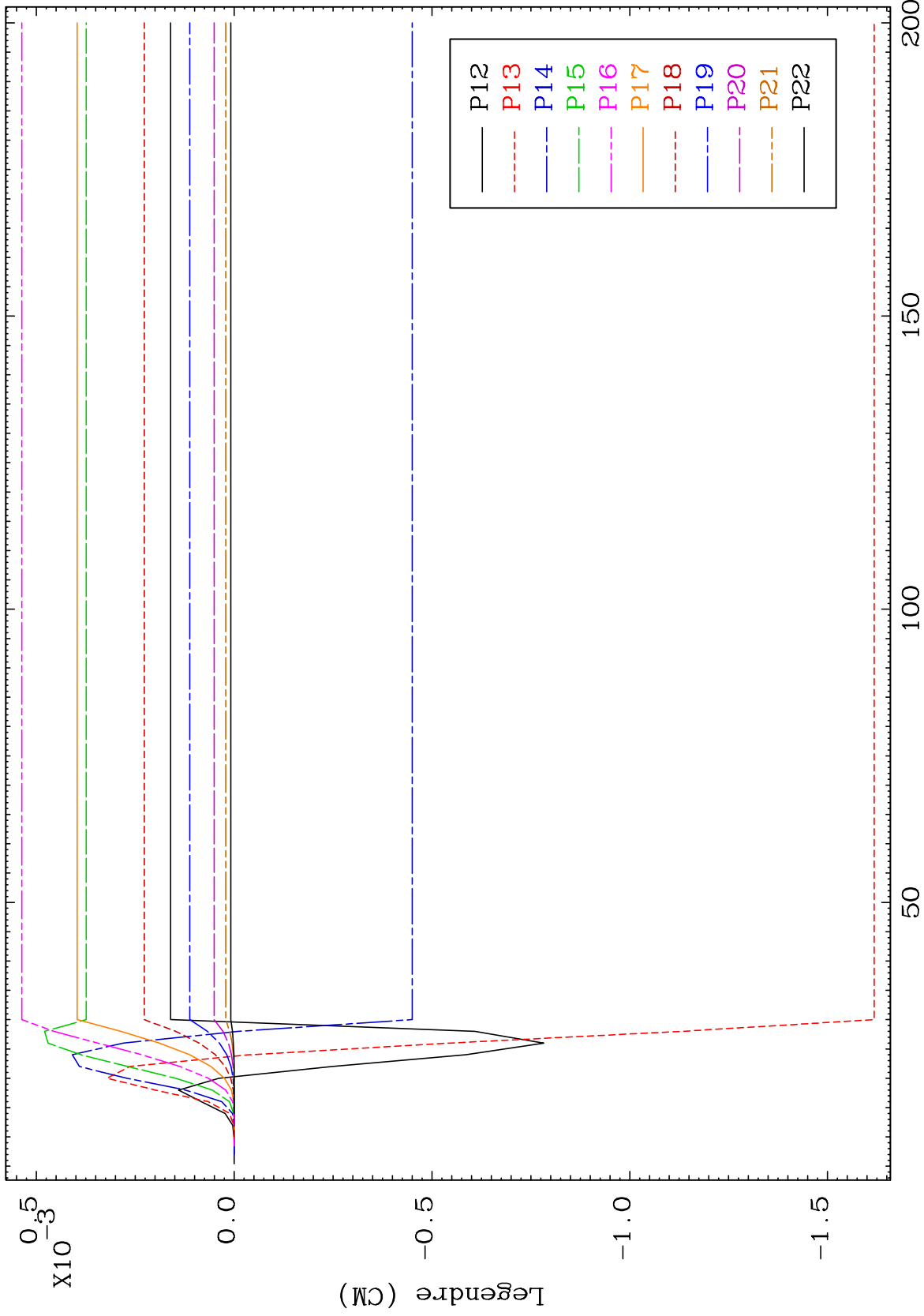


MAT 2519

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

25-Mn-53

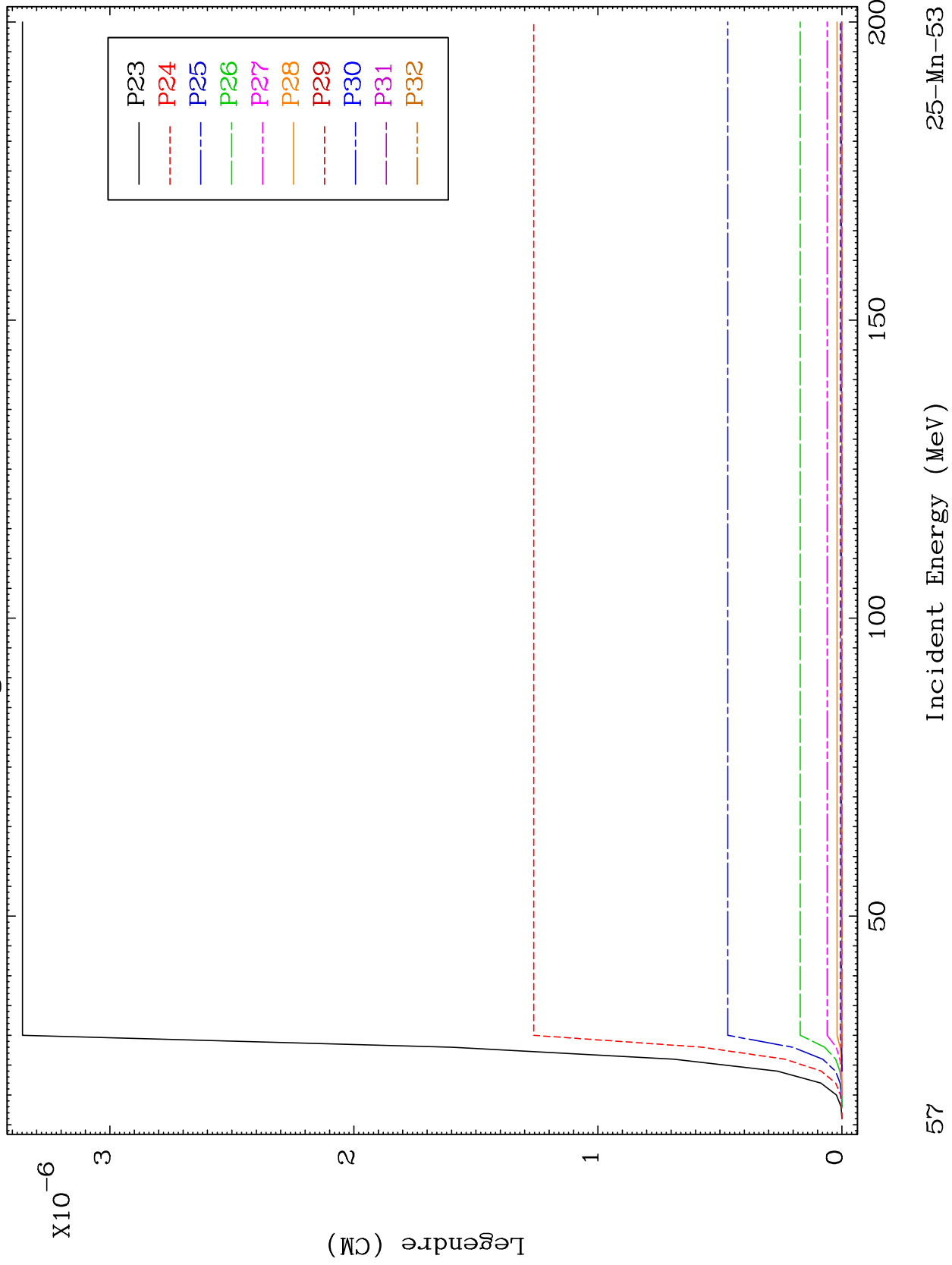




MAT 2519

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

25-Mn-53



57

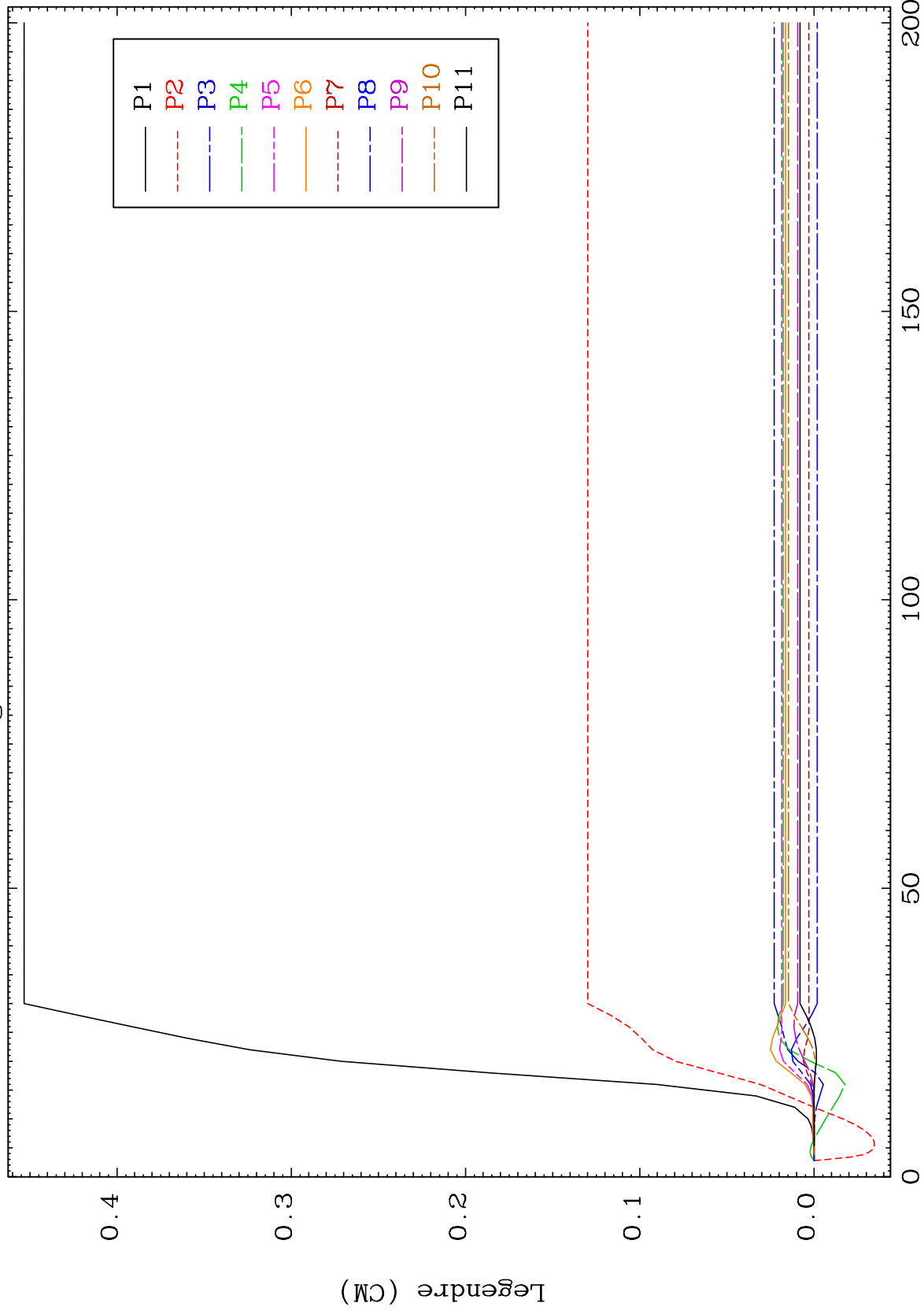
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

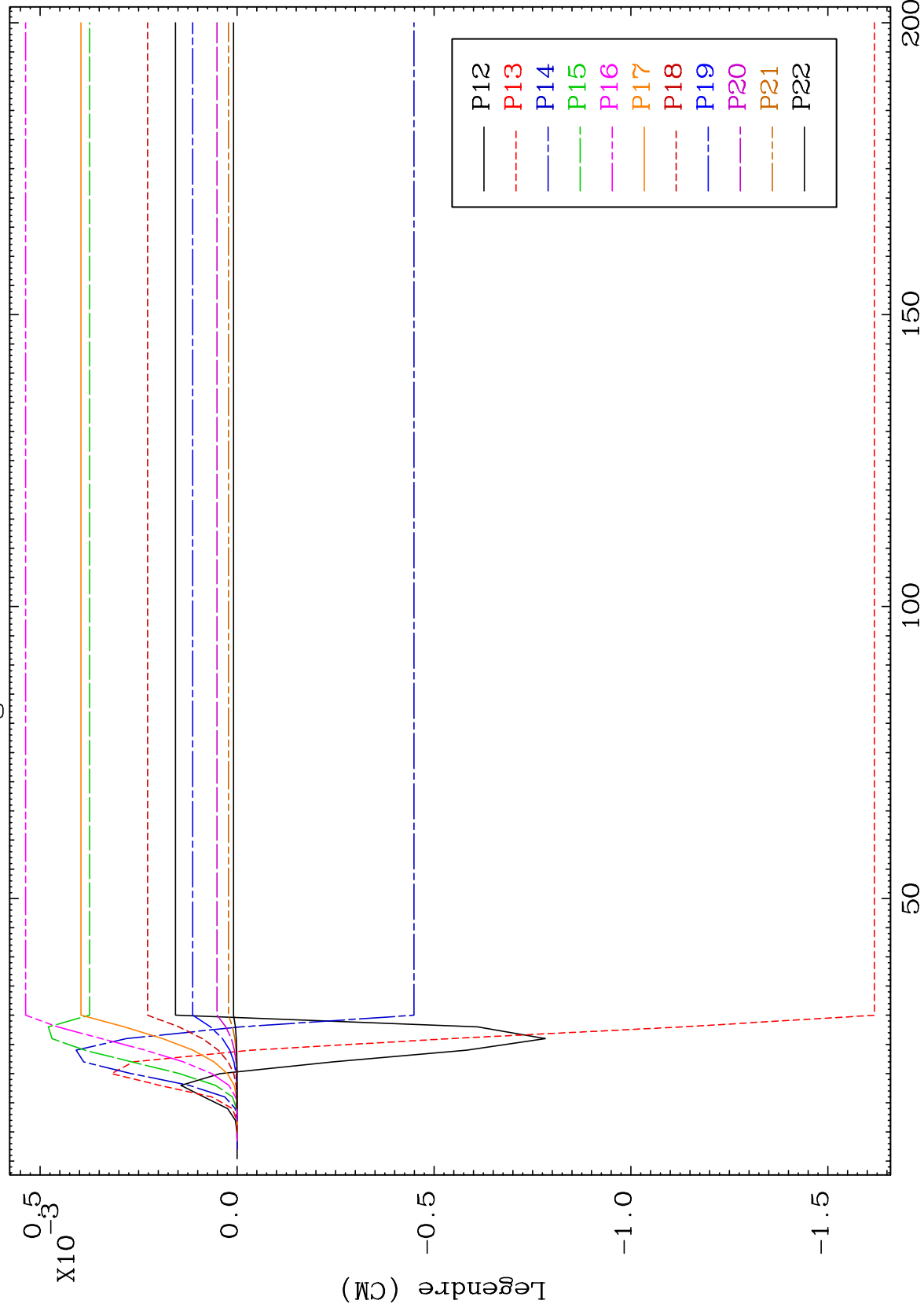
25-Mn-53



58

Incident Energy (MeV)

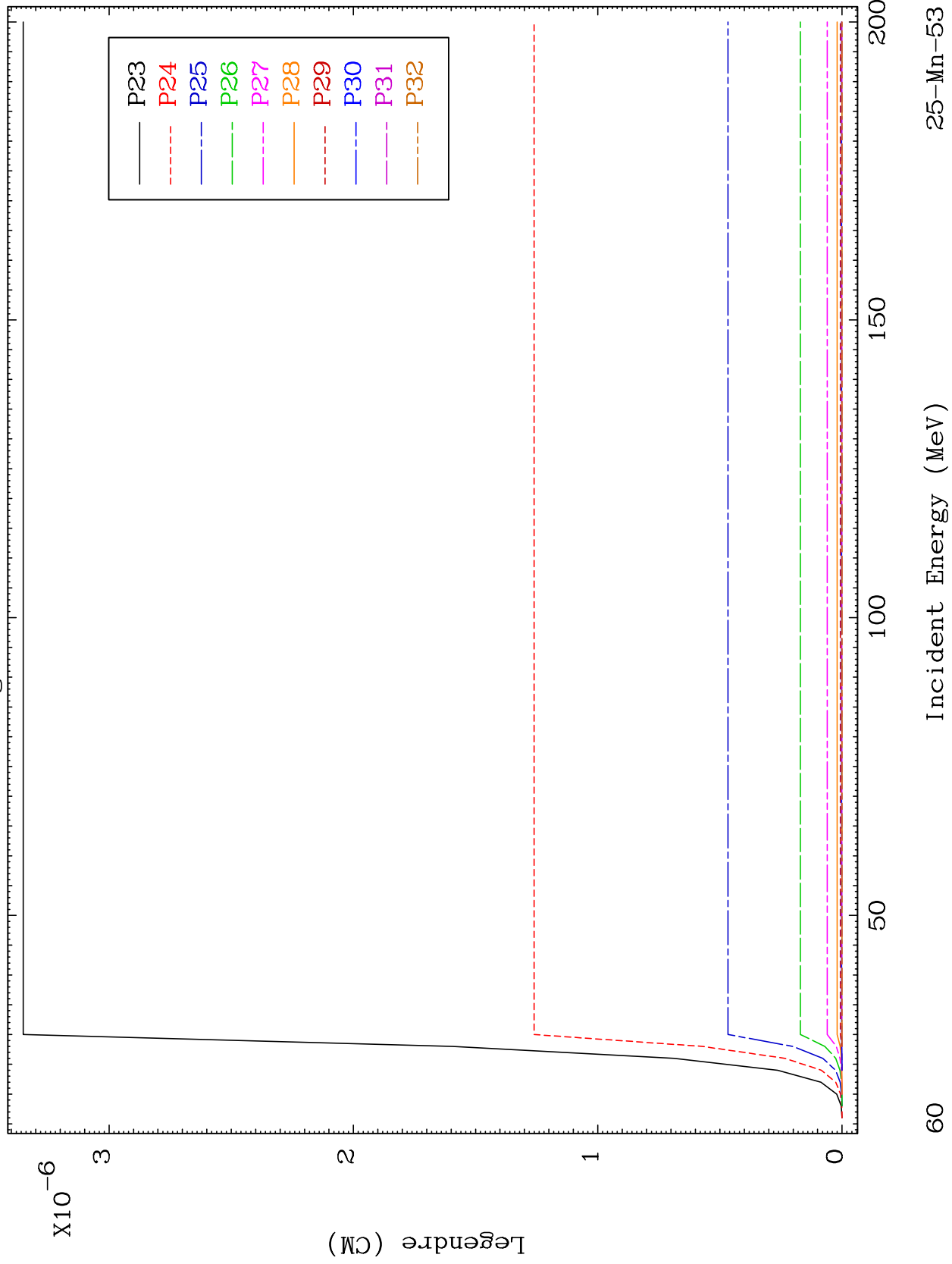
25-Mn-53



MAT 2519

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

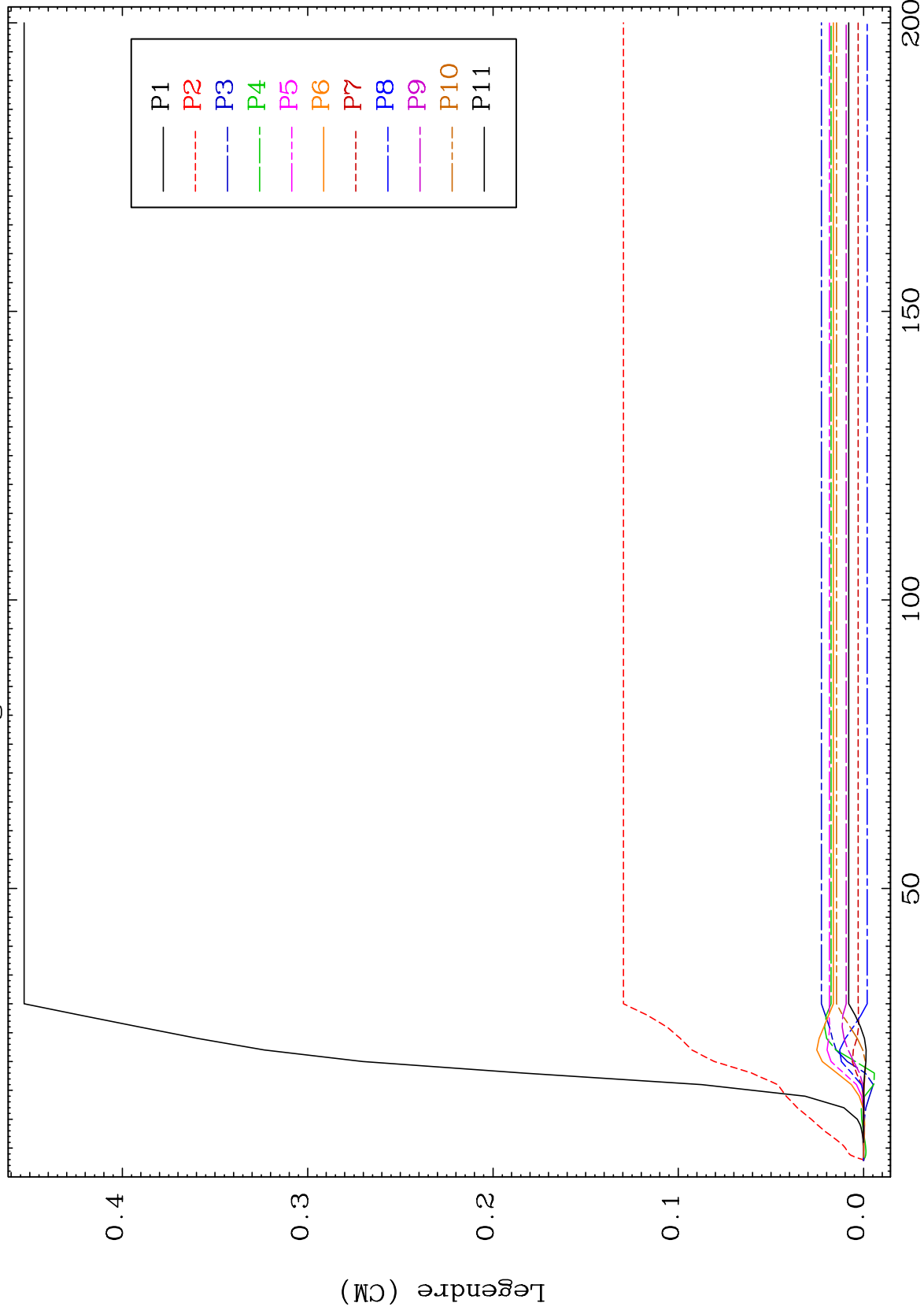
25-Mn-53



MAT 2519

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

25-Mn-53



61

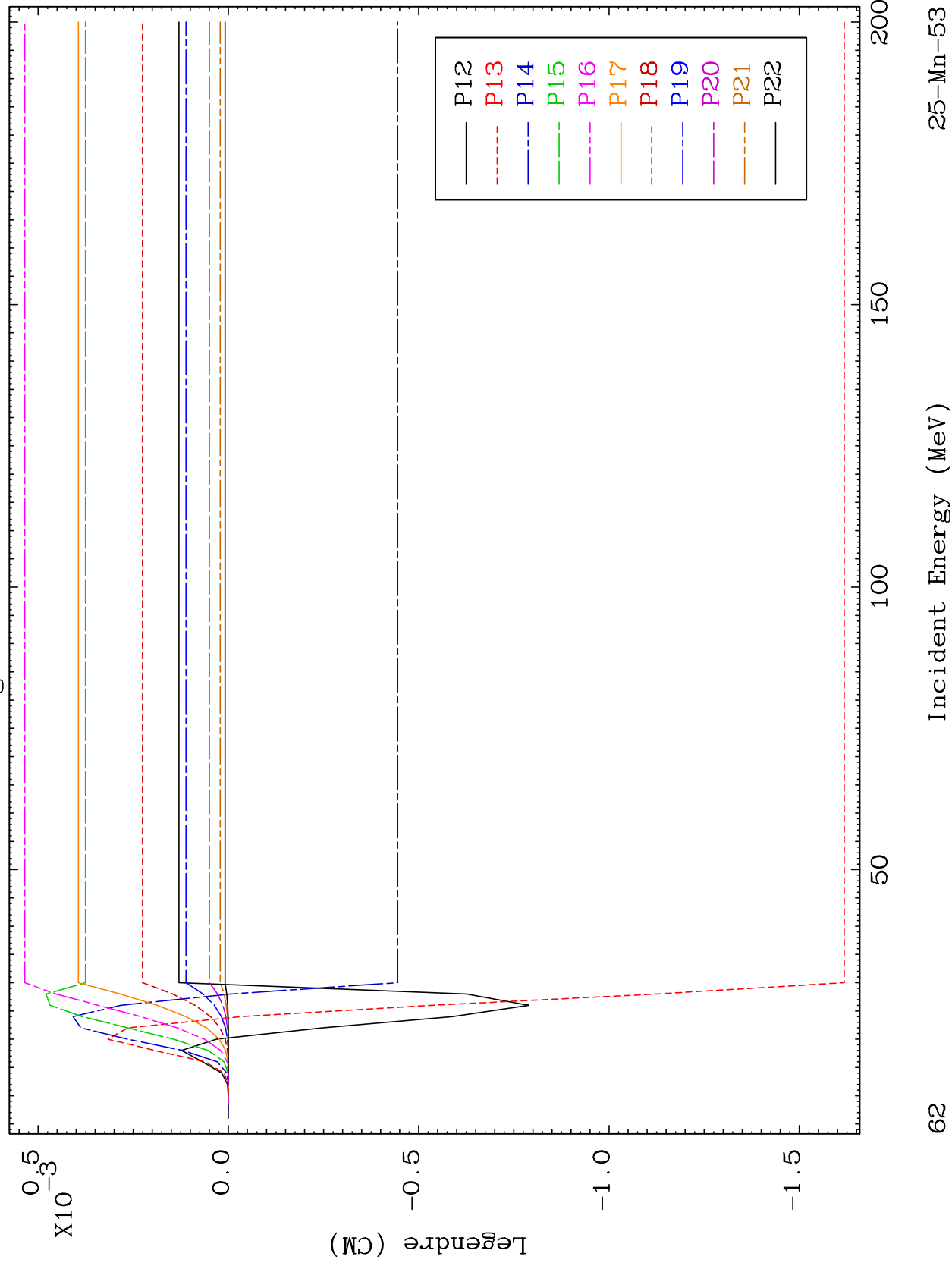
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

25-Mn-53



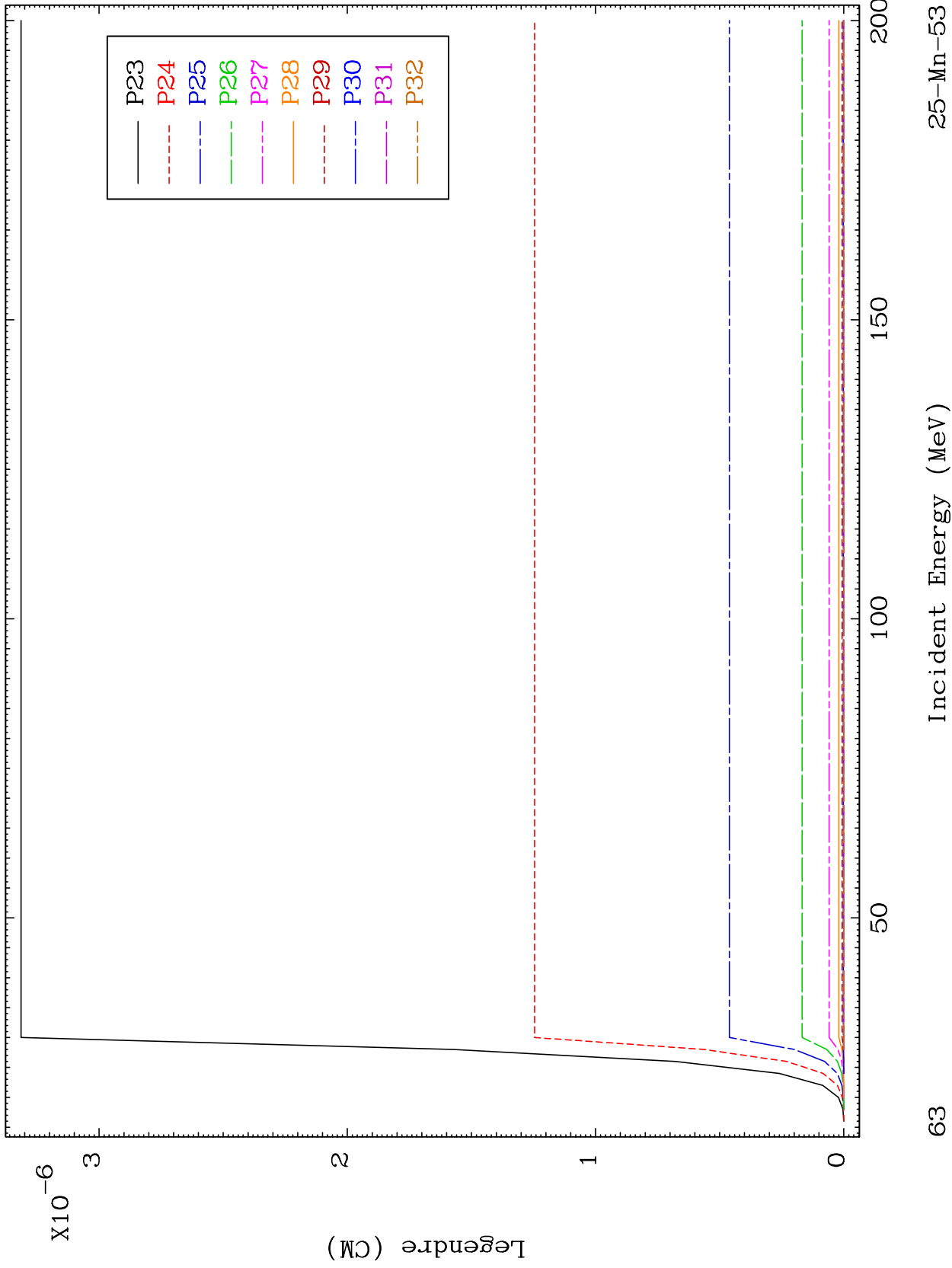
62

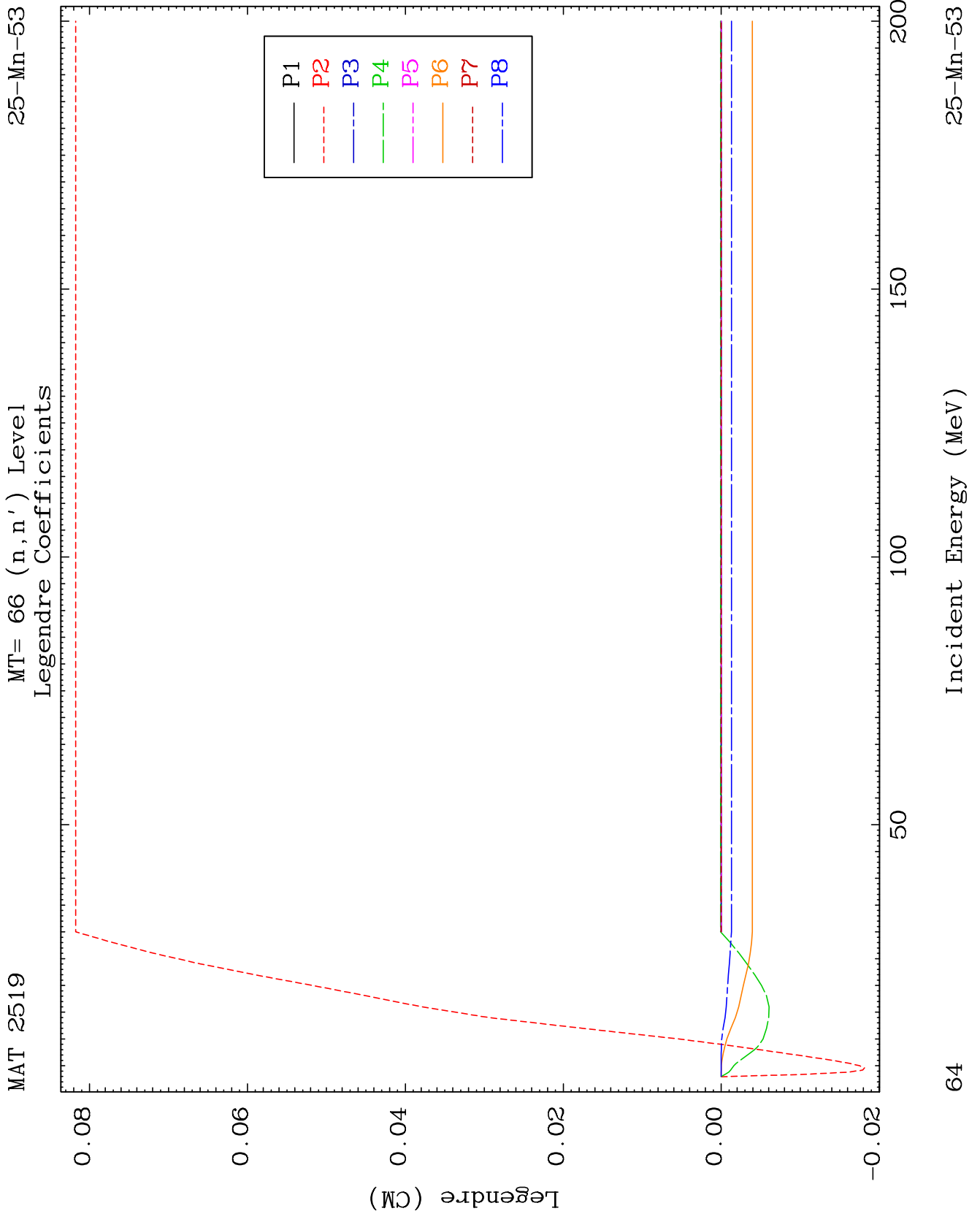
25-Mn-53

MAT 2519

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

25-Mn-53

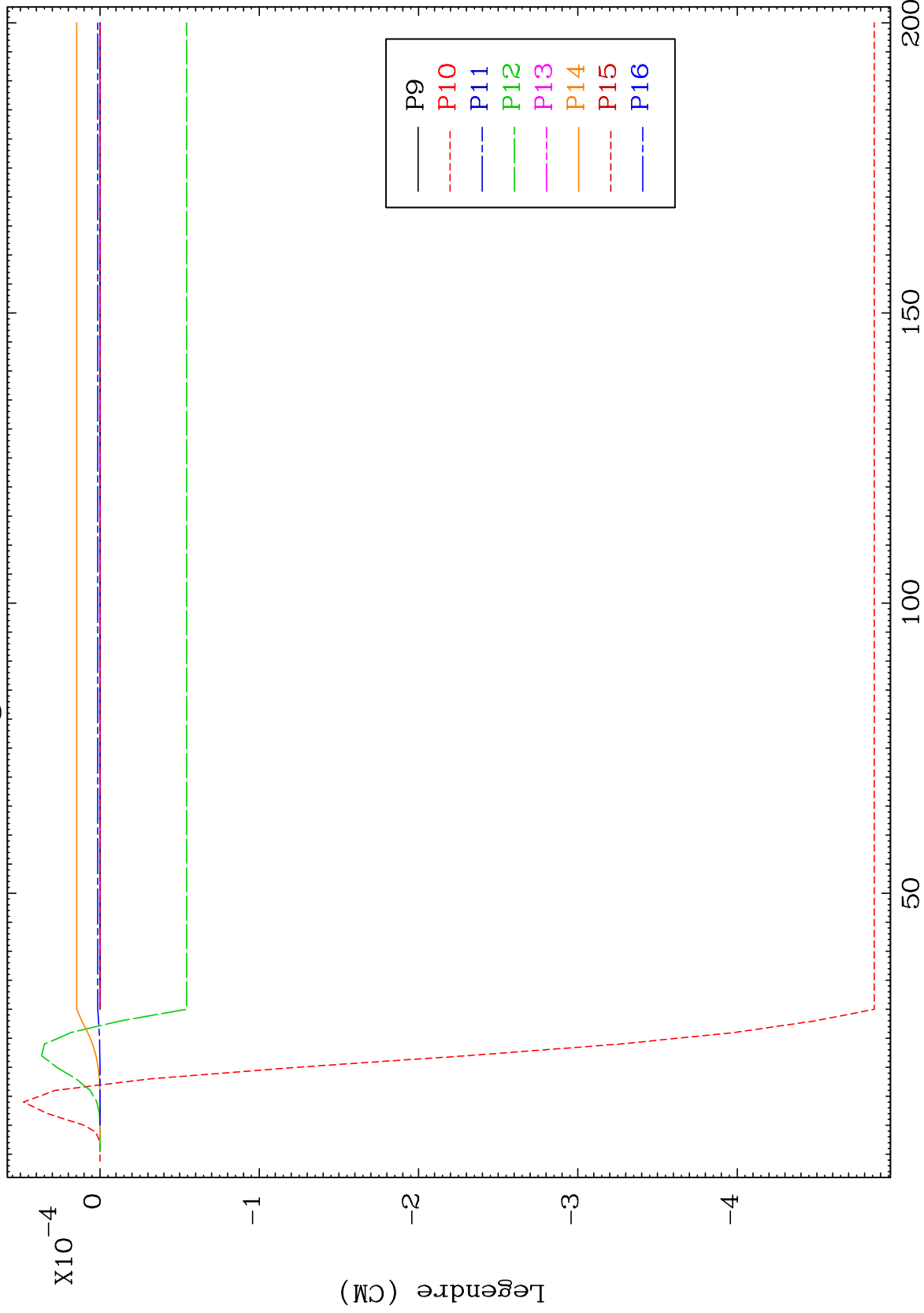




MAT 2519

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

25-Mn-53



65

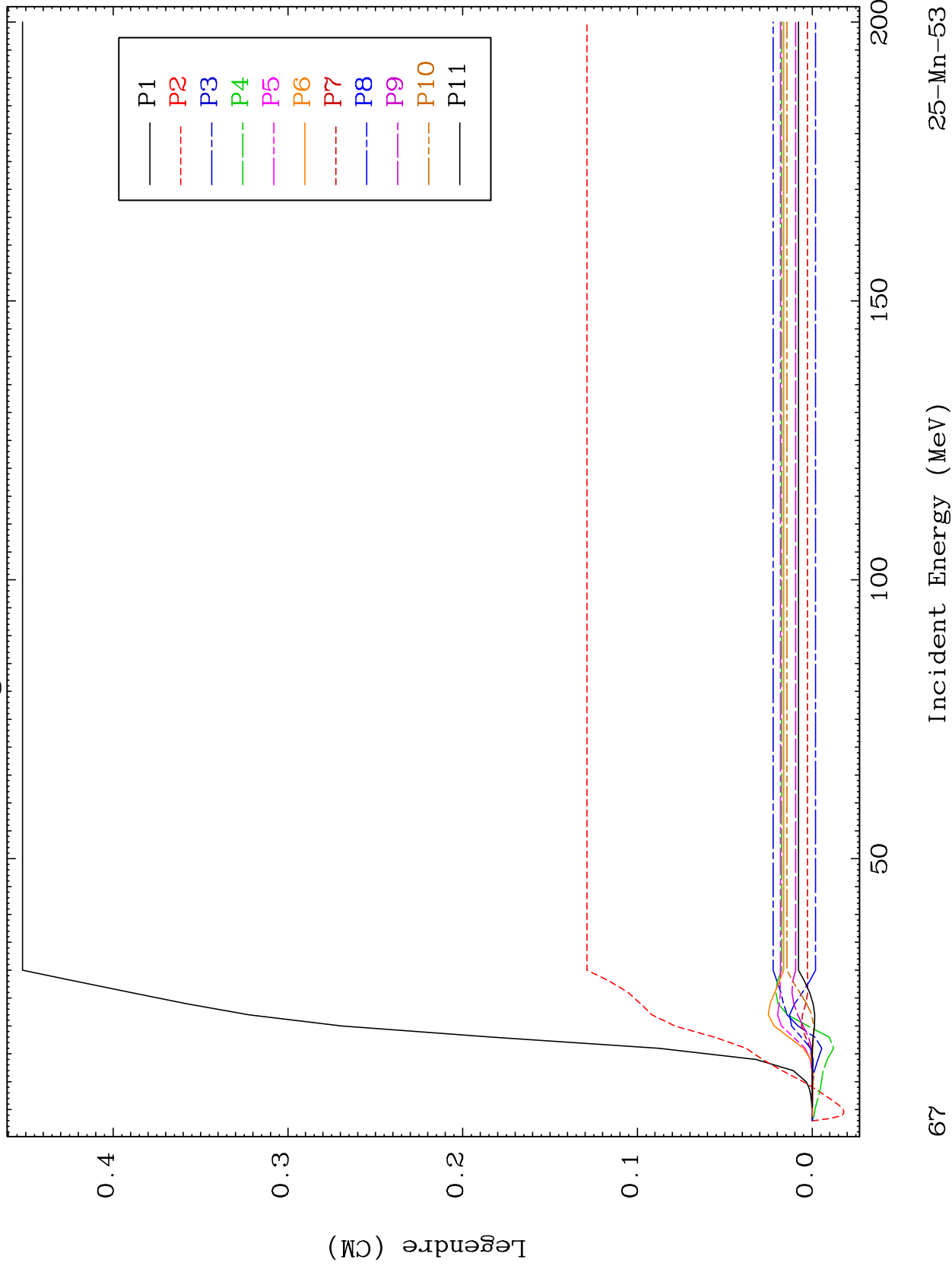
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

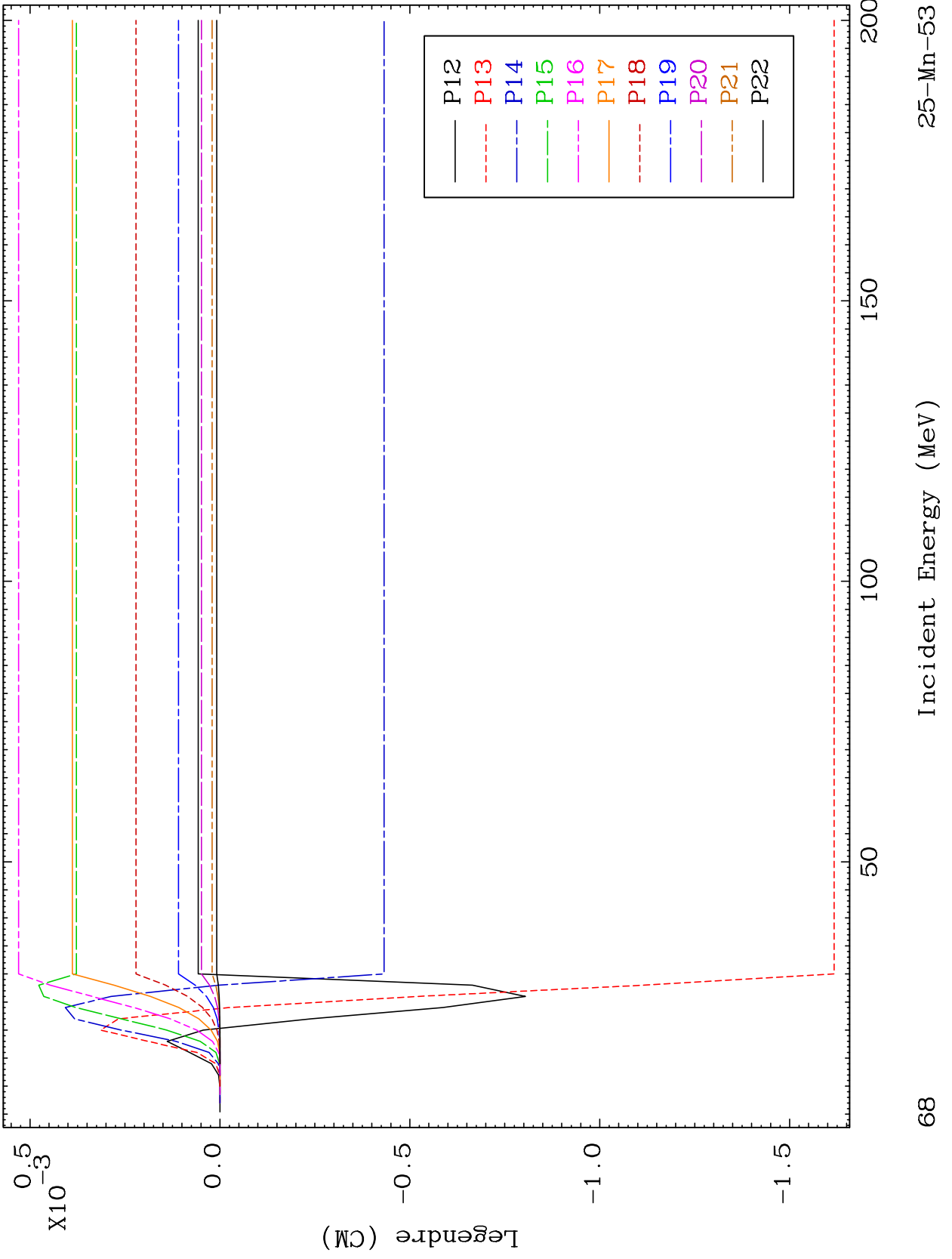
25-Mn-53



MAT 2519

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

25-Mn-53



68

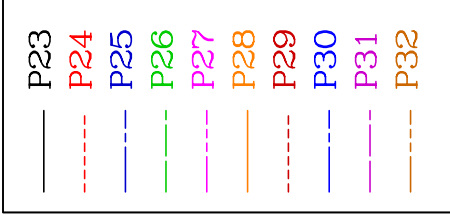
MAT 2519

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

25-Mn-53

$\times 10^{-6}$

Legendre (CM)



200

150

100

50

69

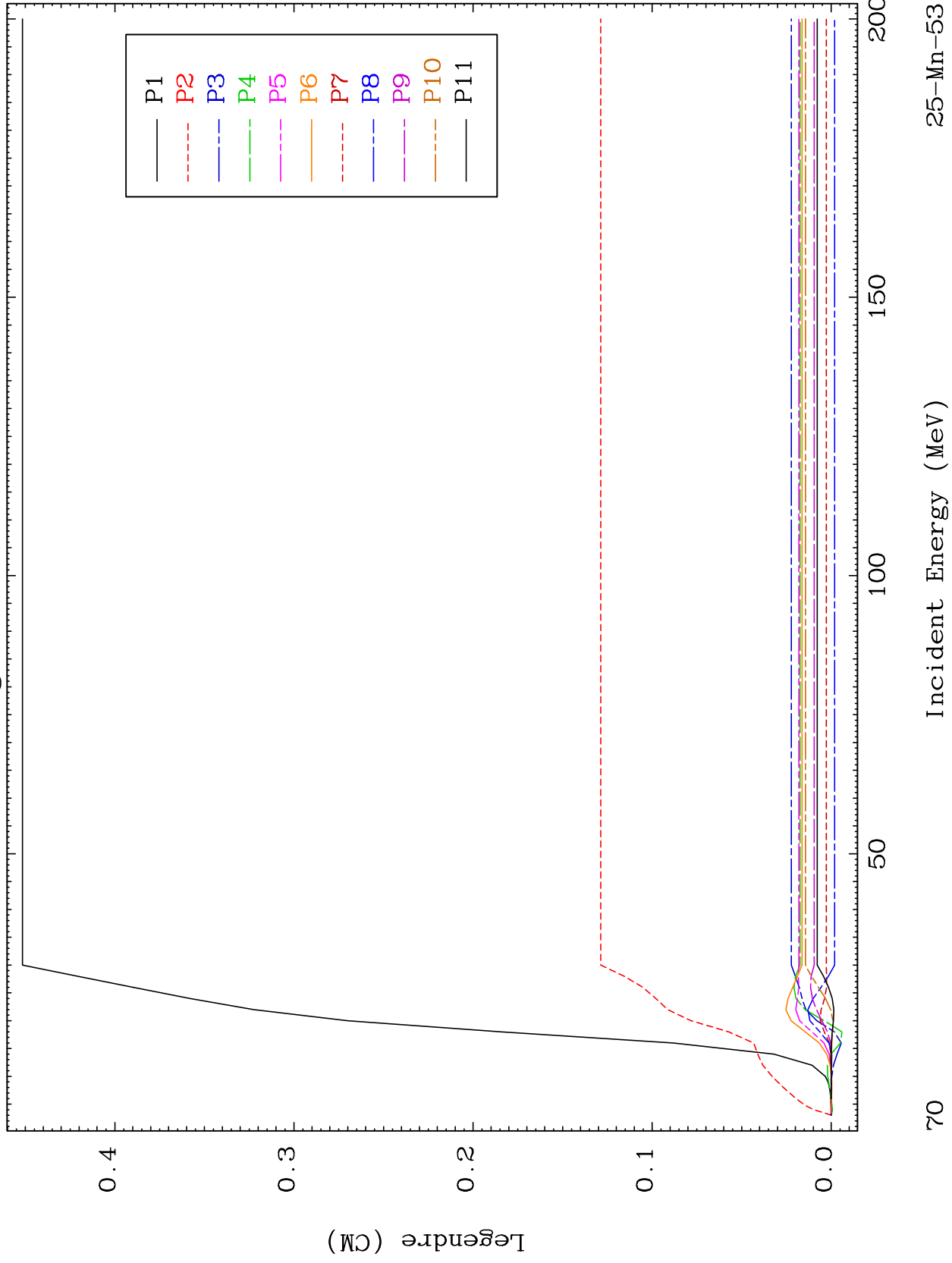
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

25-Mn-53



25-Mn-53

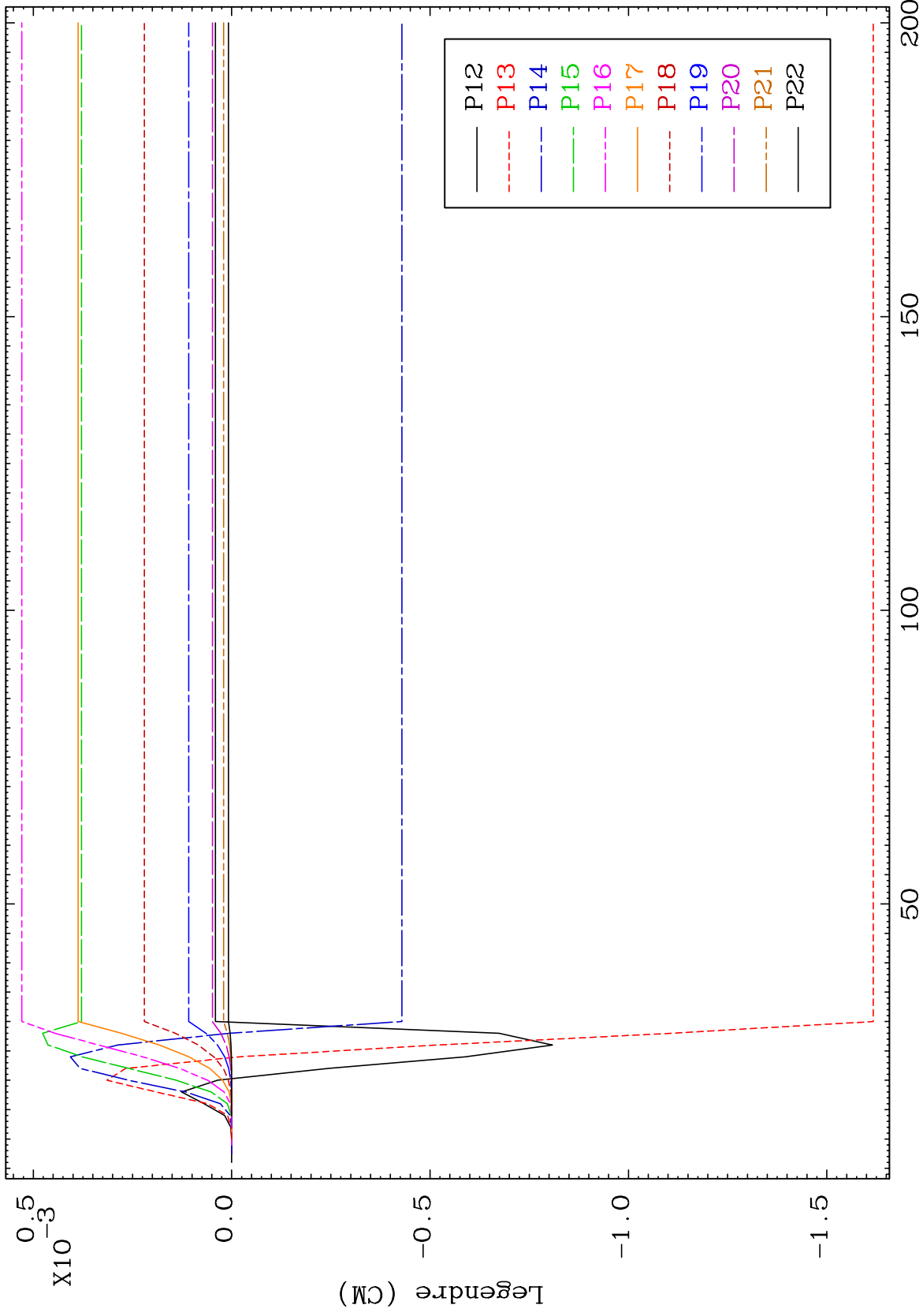
Incident Energy (MeV)

70

MAT 2519

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

25-Mn-53



71

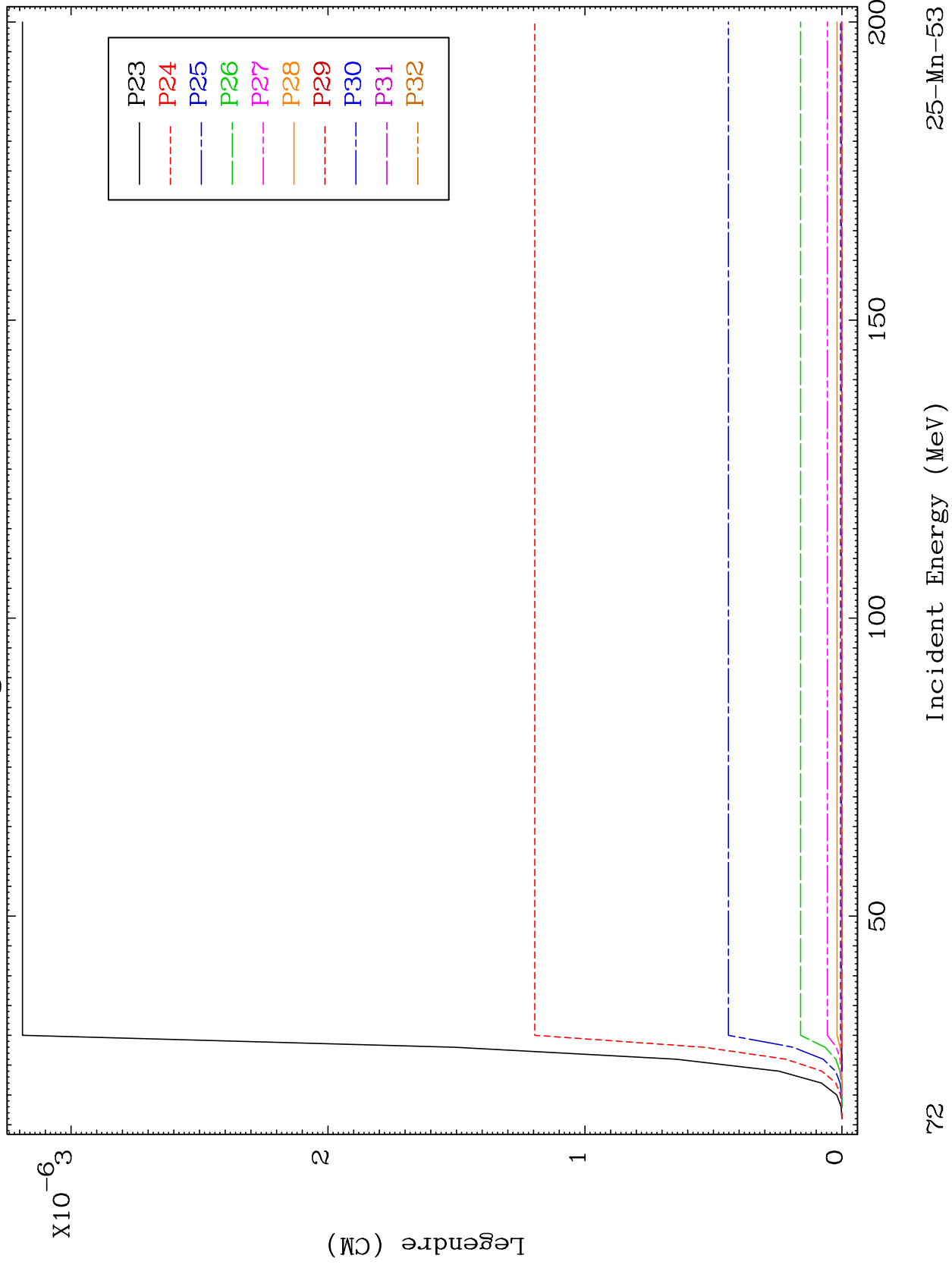
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

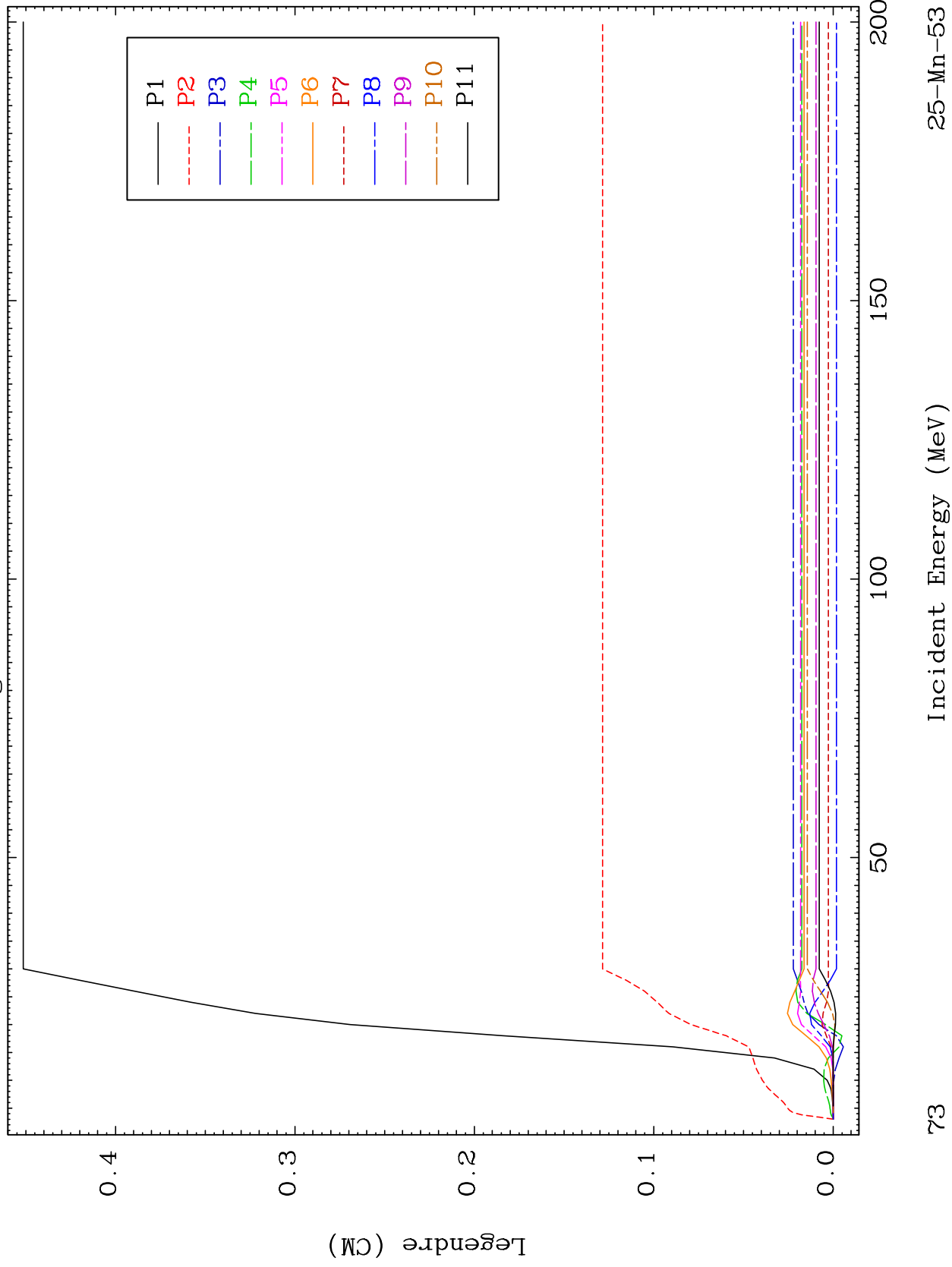
25-Mn-53



MAT 2519

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

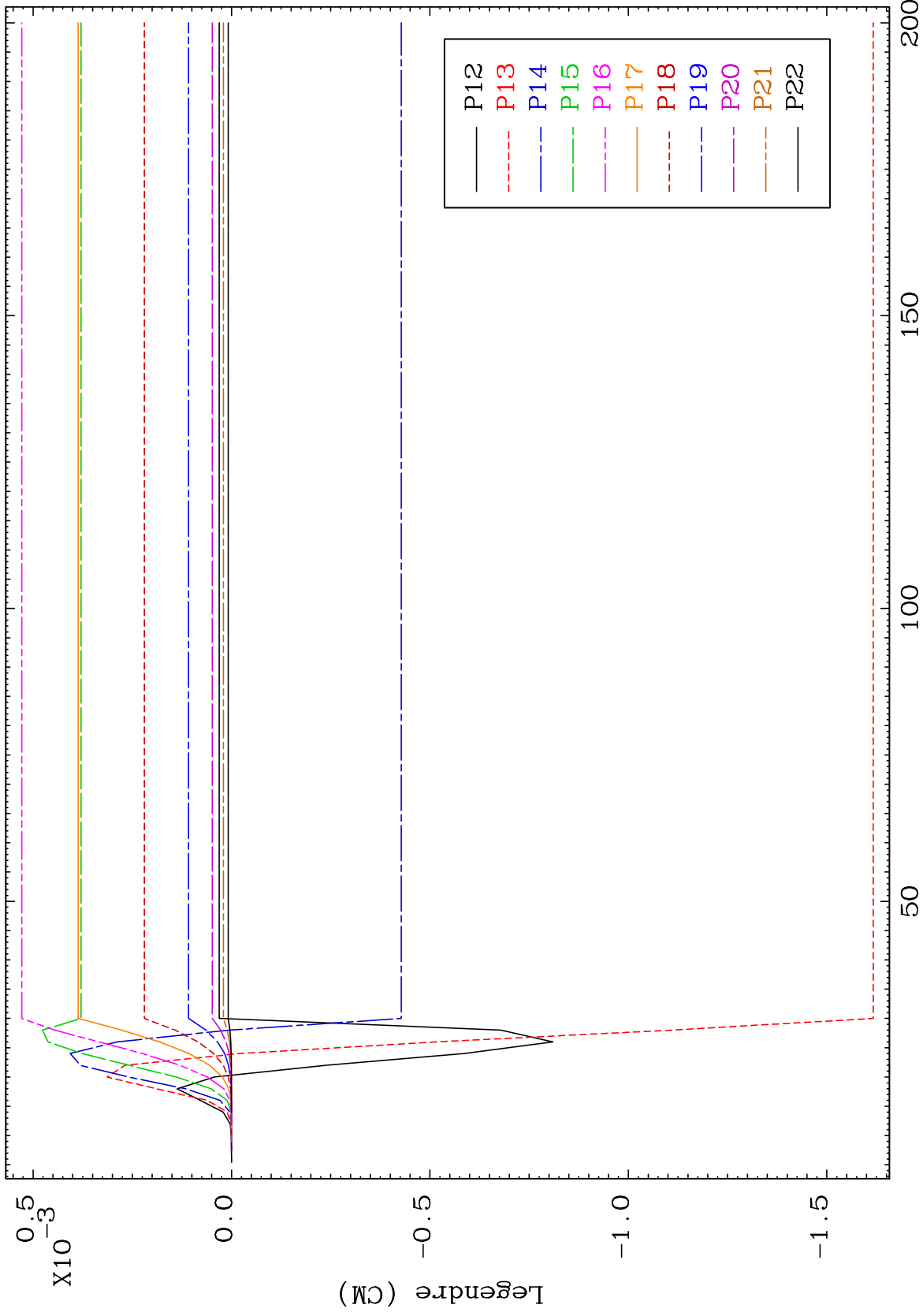
25-Mn-53



MAT 2519

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

25-Mn-53



74

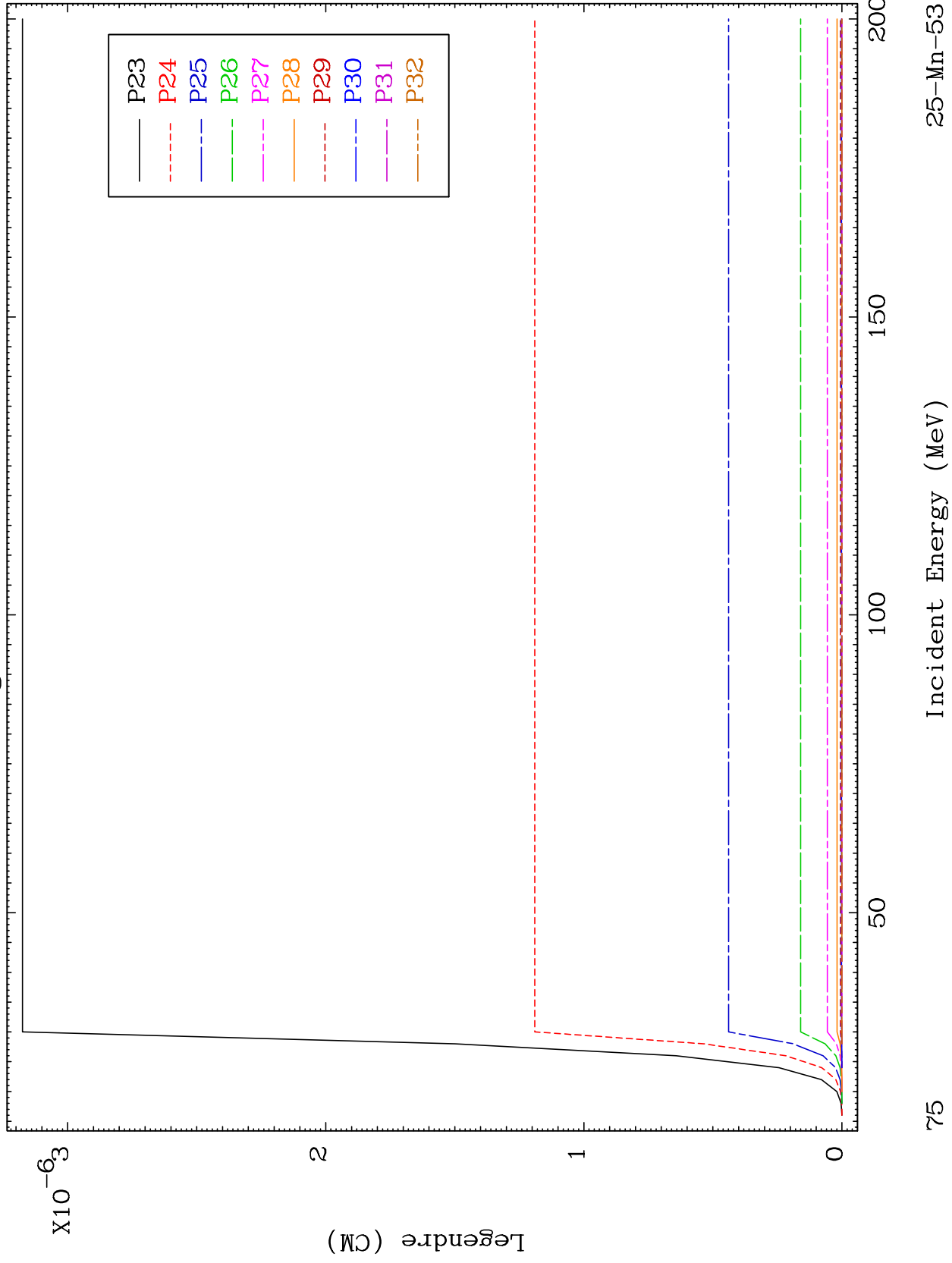
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

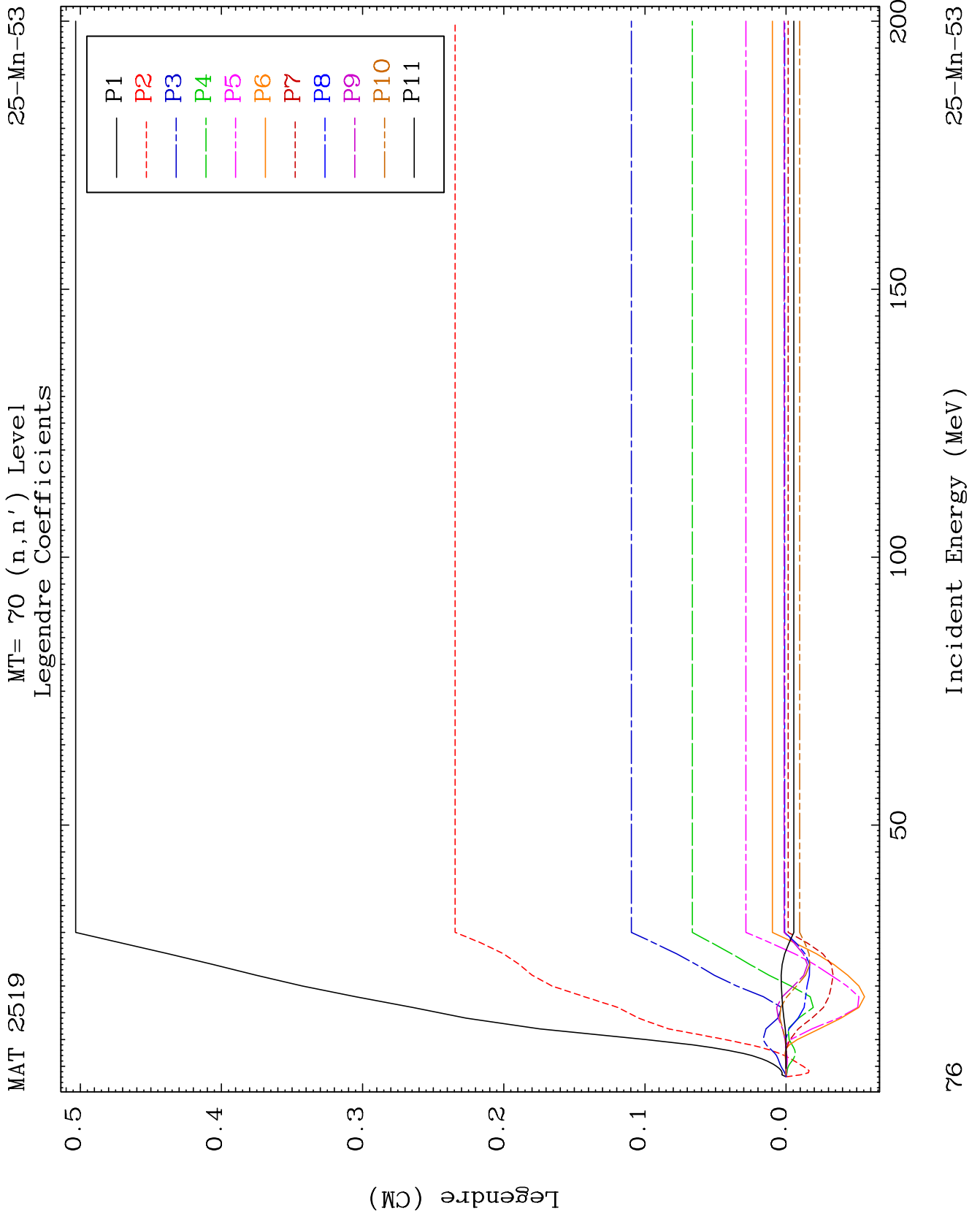
25-Mn-53



75

Incident Energy (MeV)

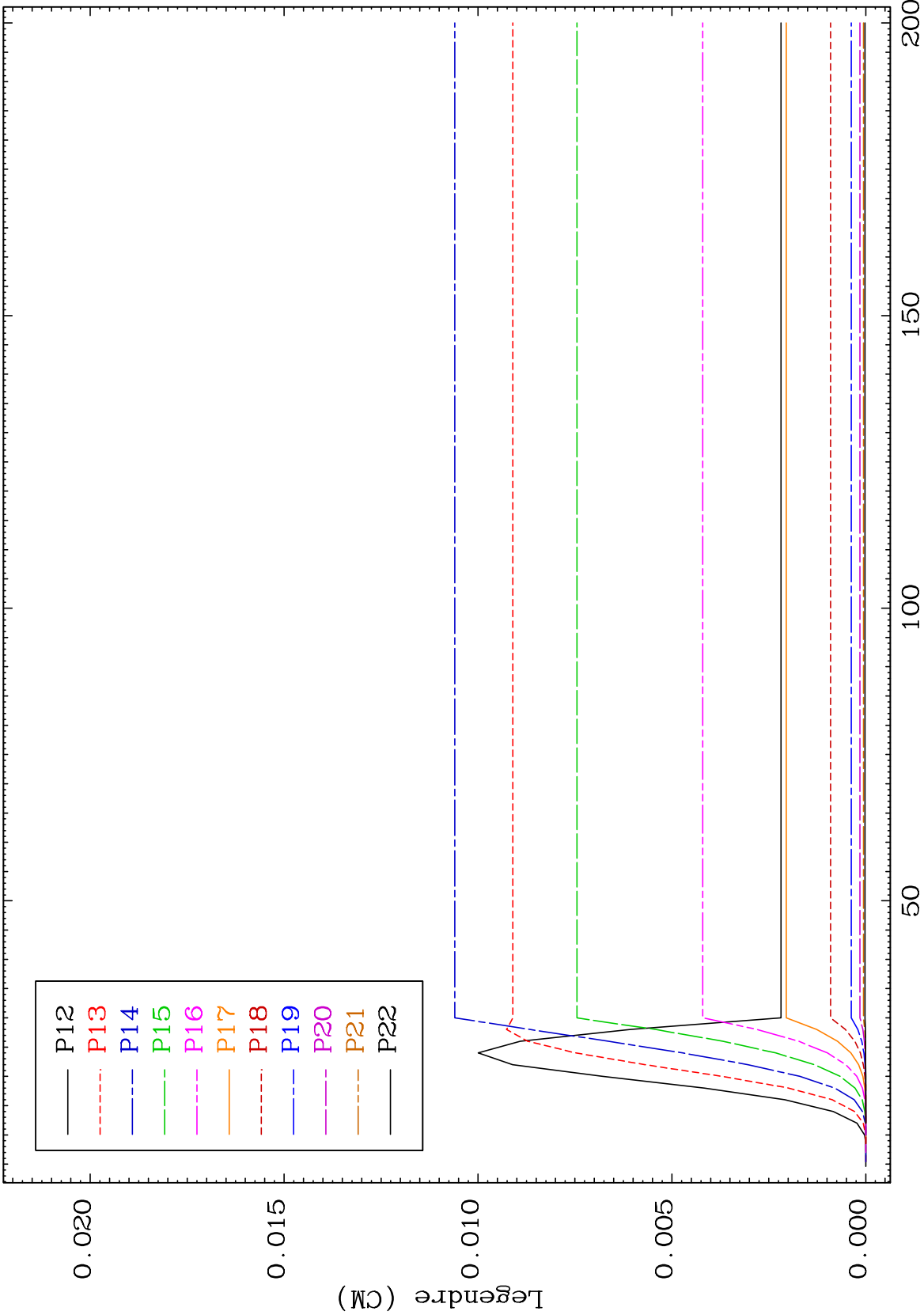
25-Mn-53



MAT 2519

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

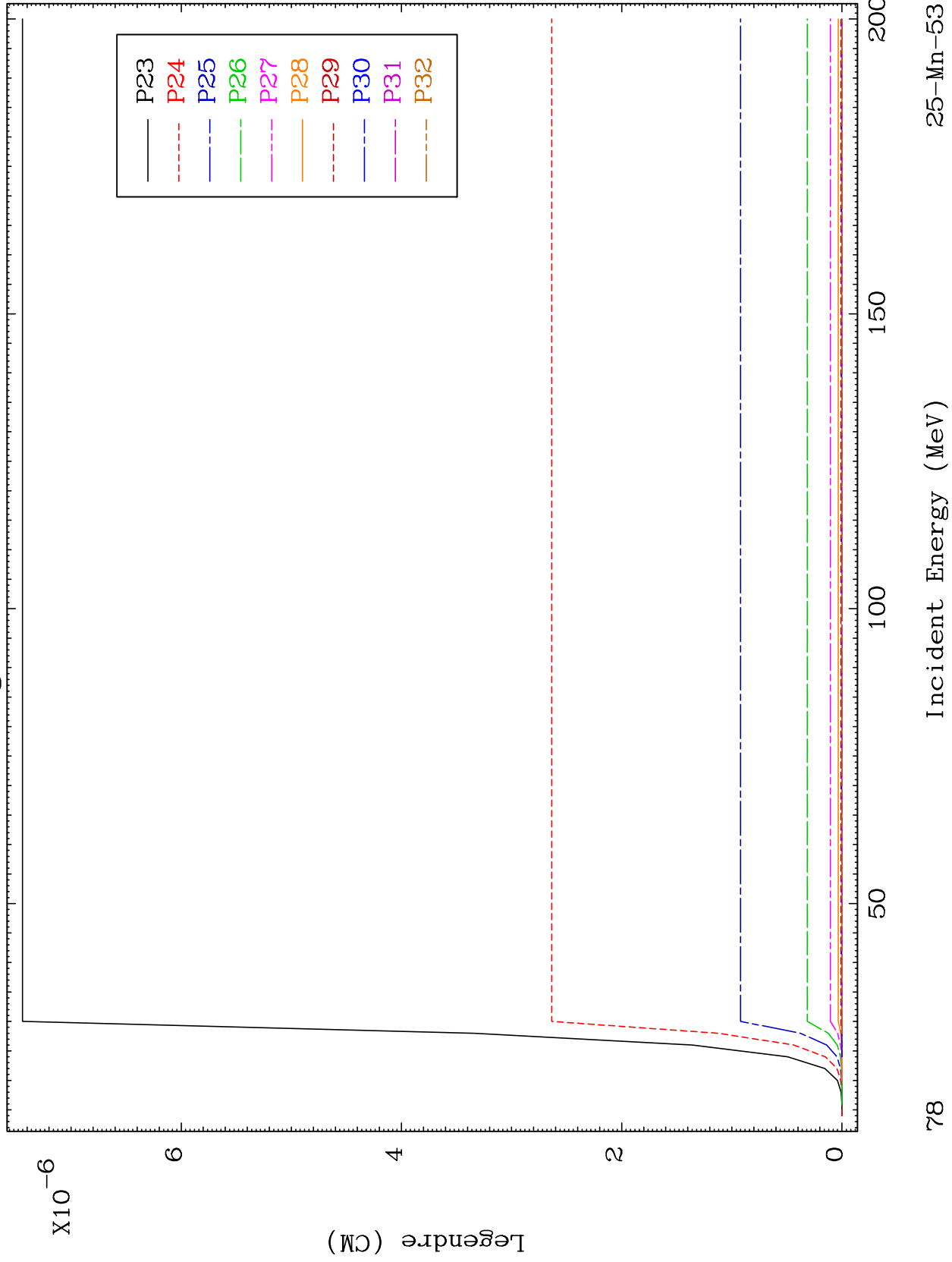
25-Mn-53

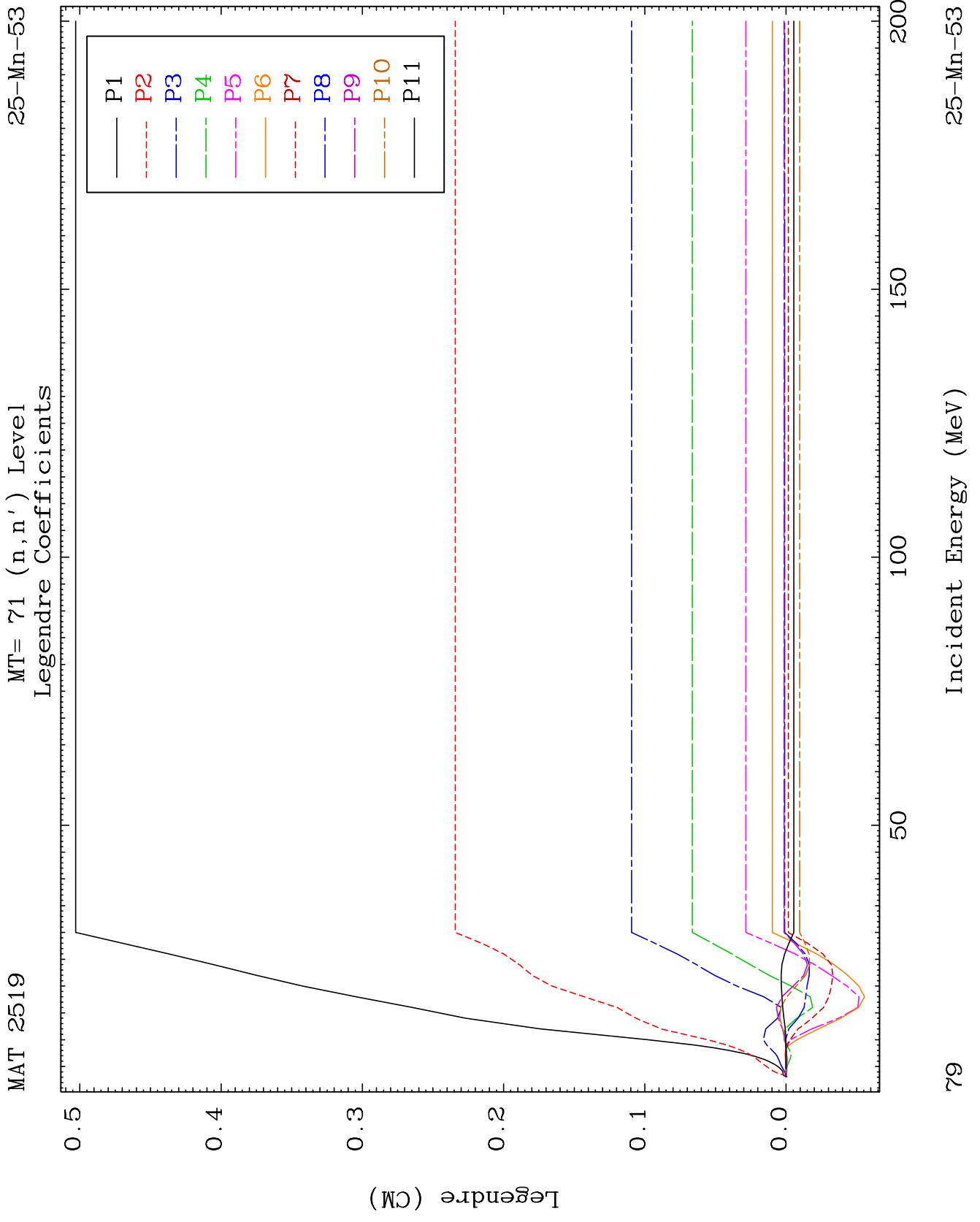


MAT 2519

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

25-Mn-53

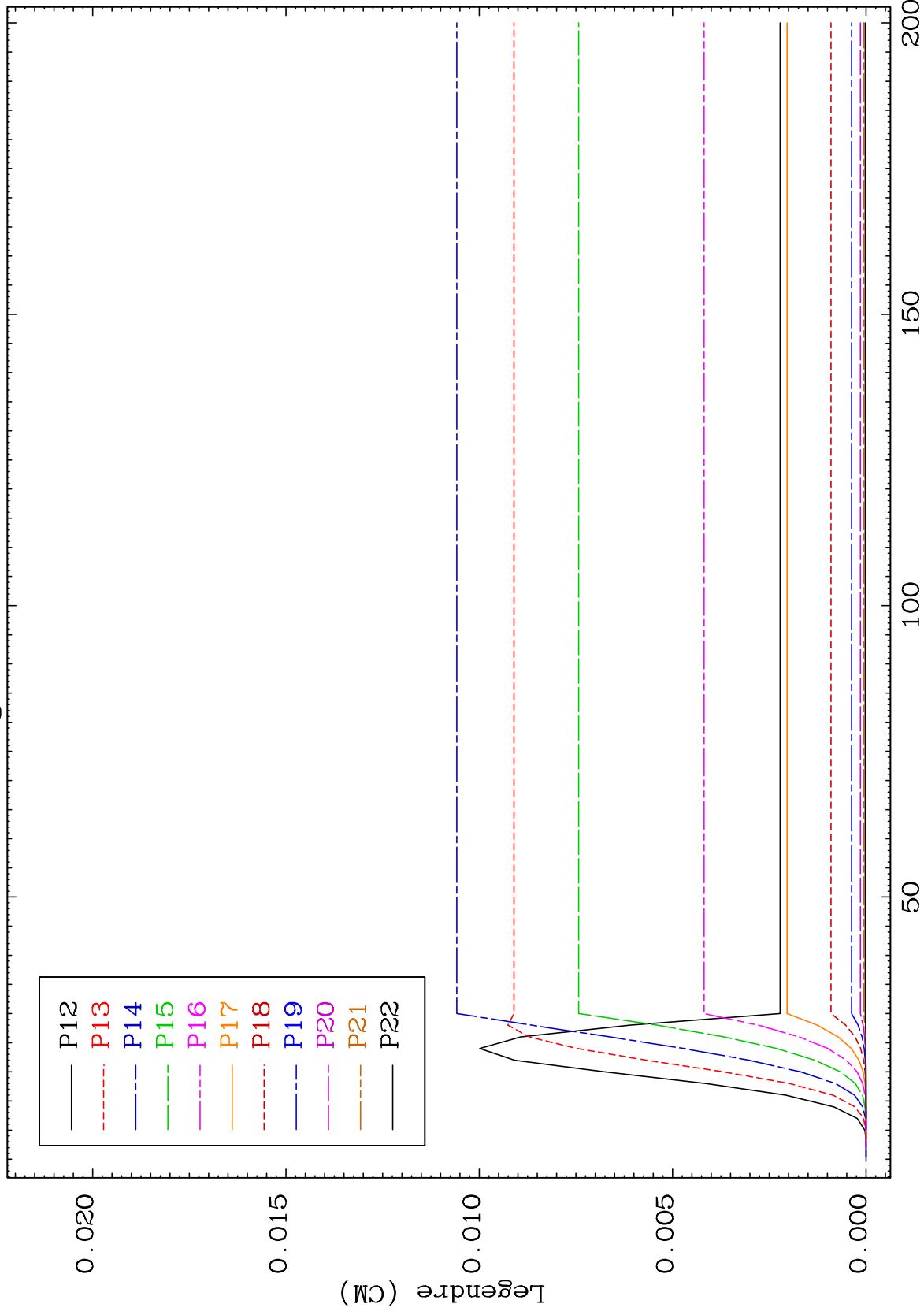




MAT 2519

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

25-Mn-53



80

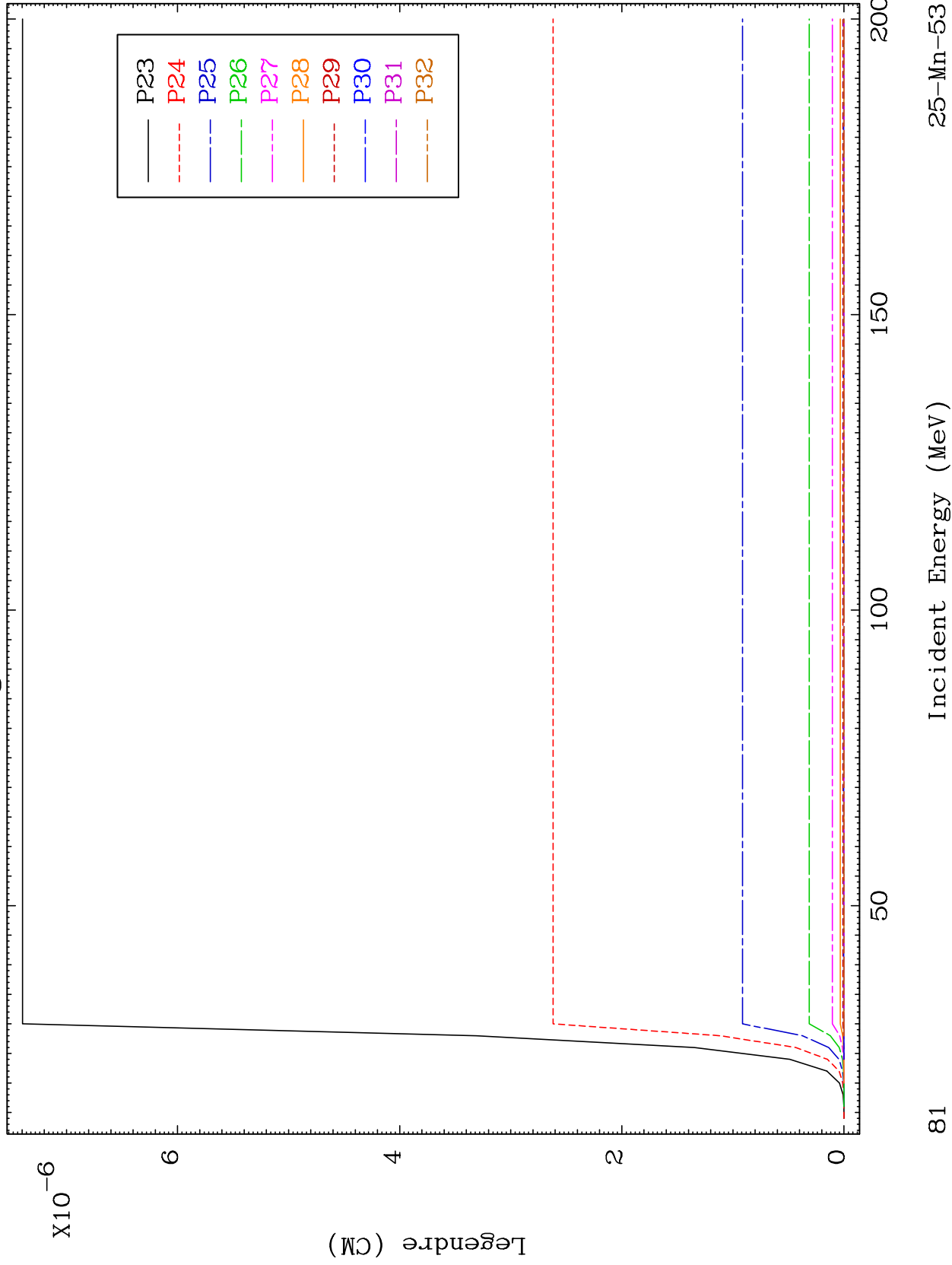
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

25-Mn-53



81

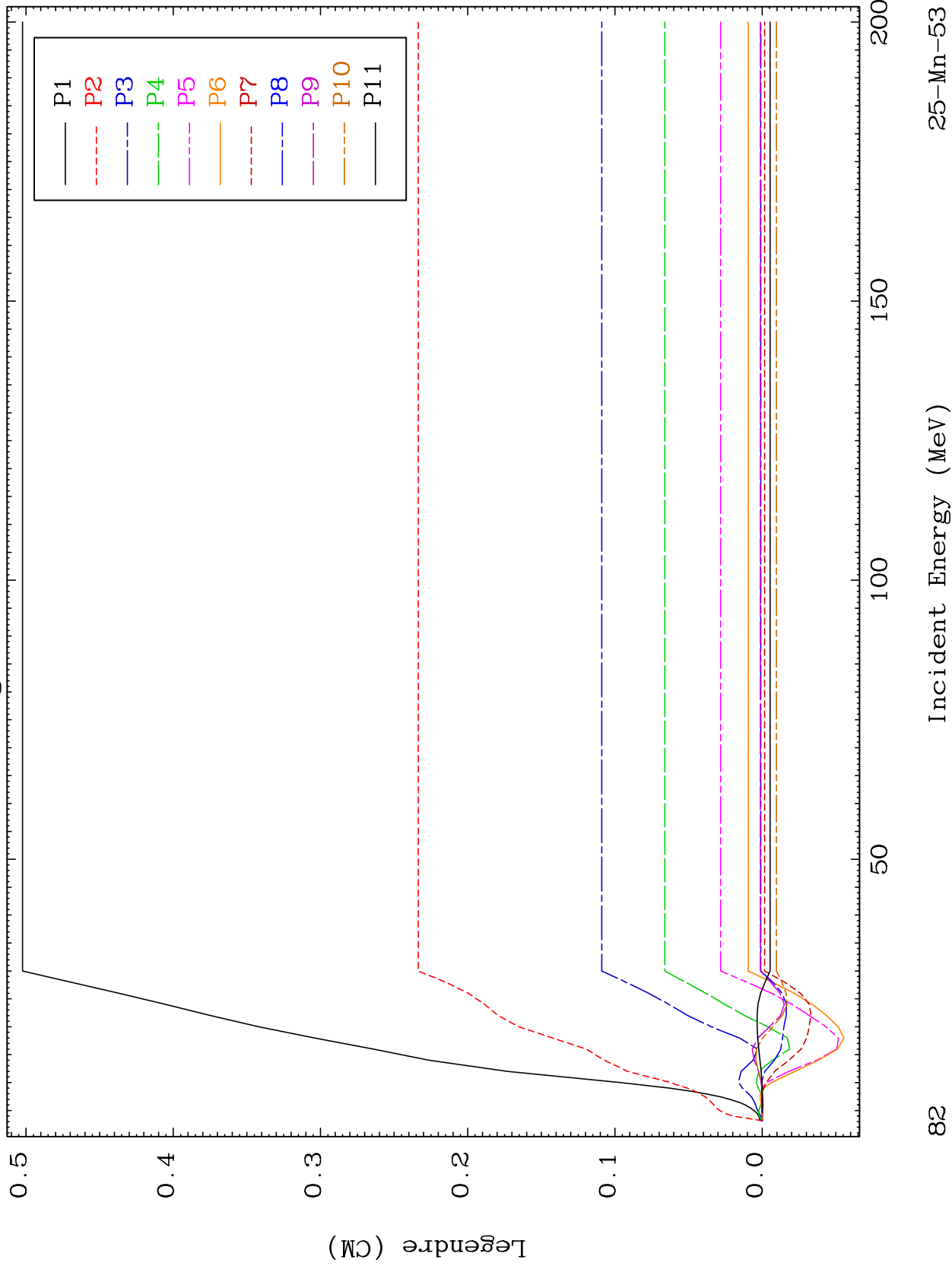
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

25-Mn-53



82

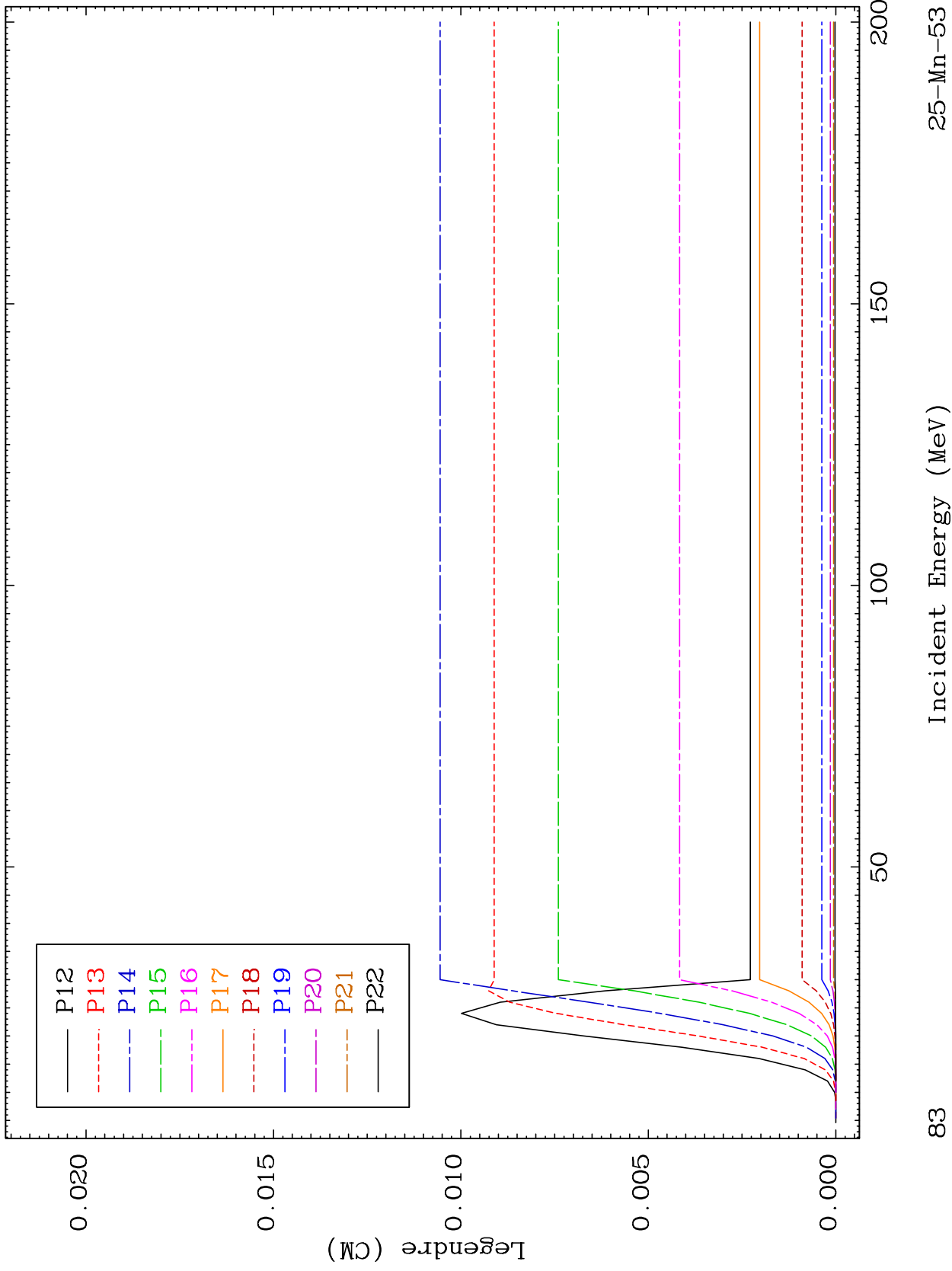
Incident Energy (MeV)

25-Mn-53

MAT 2519

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

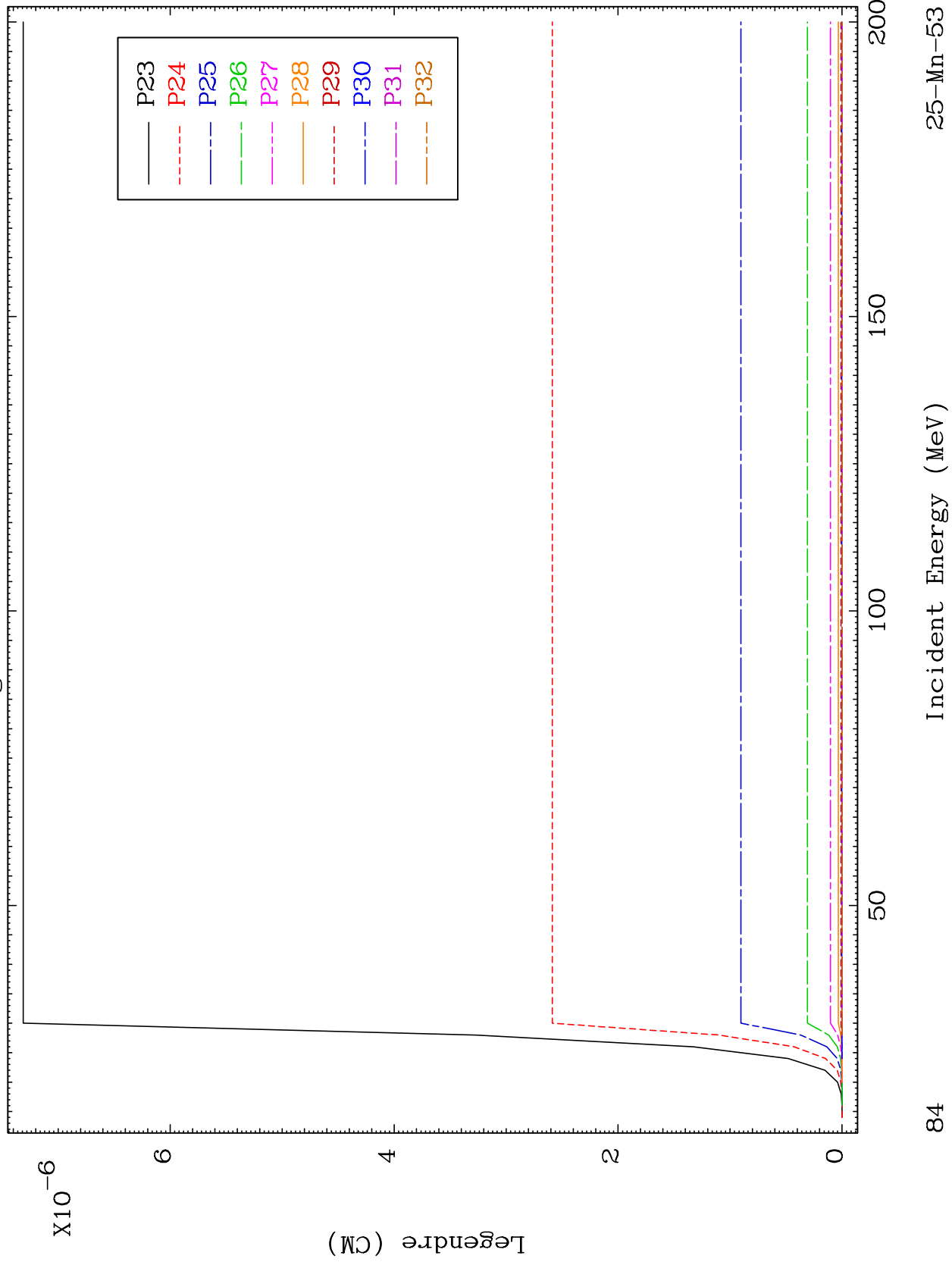
25-Mn-53

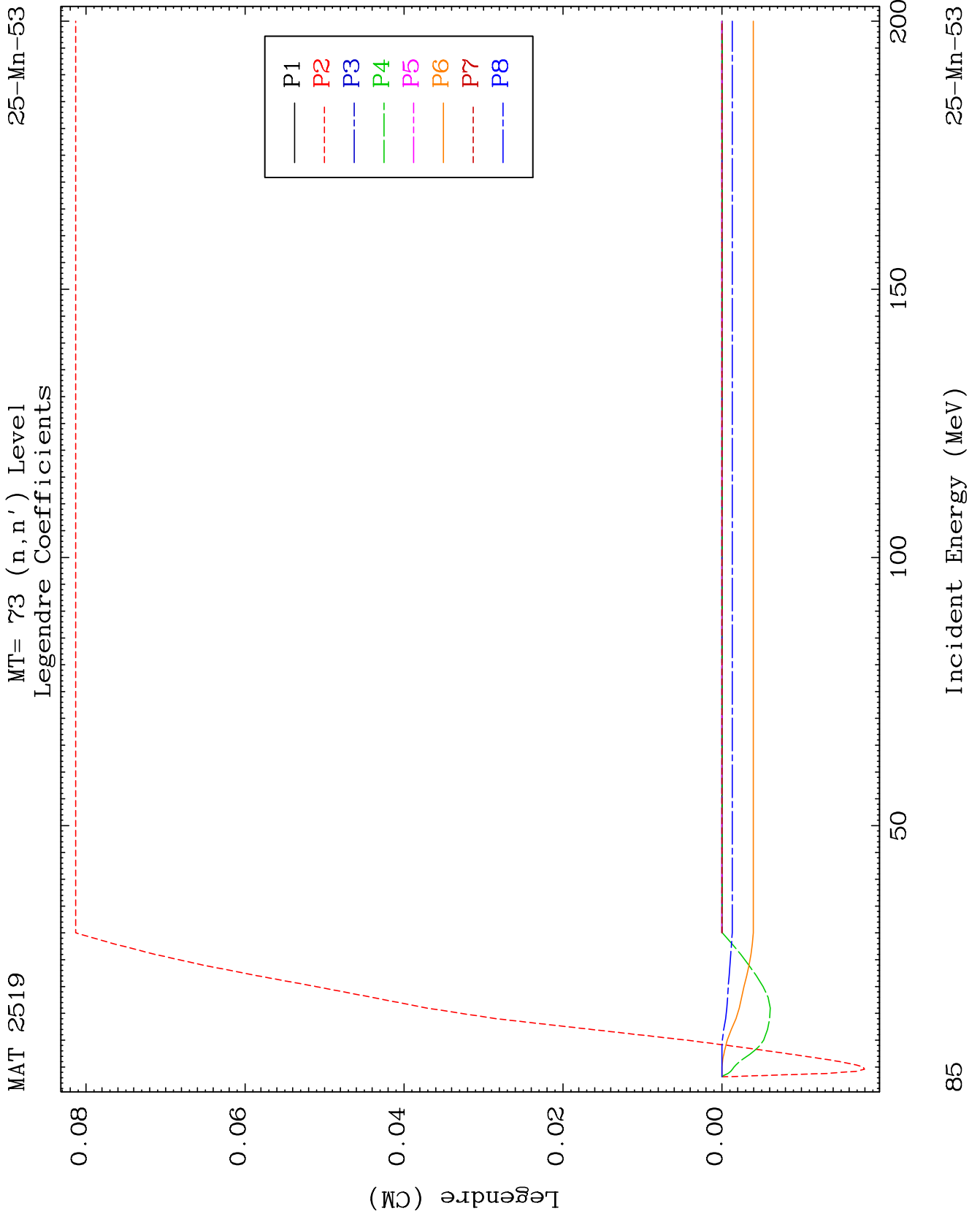


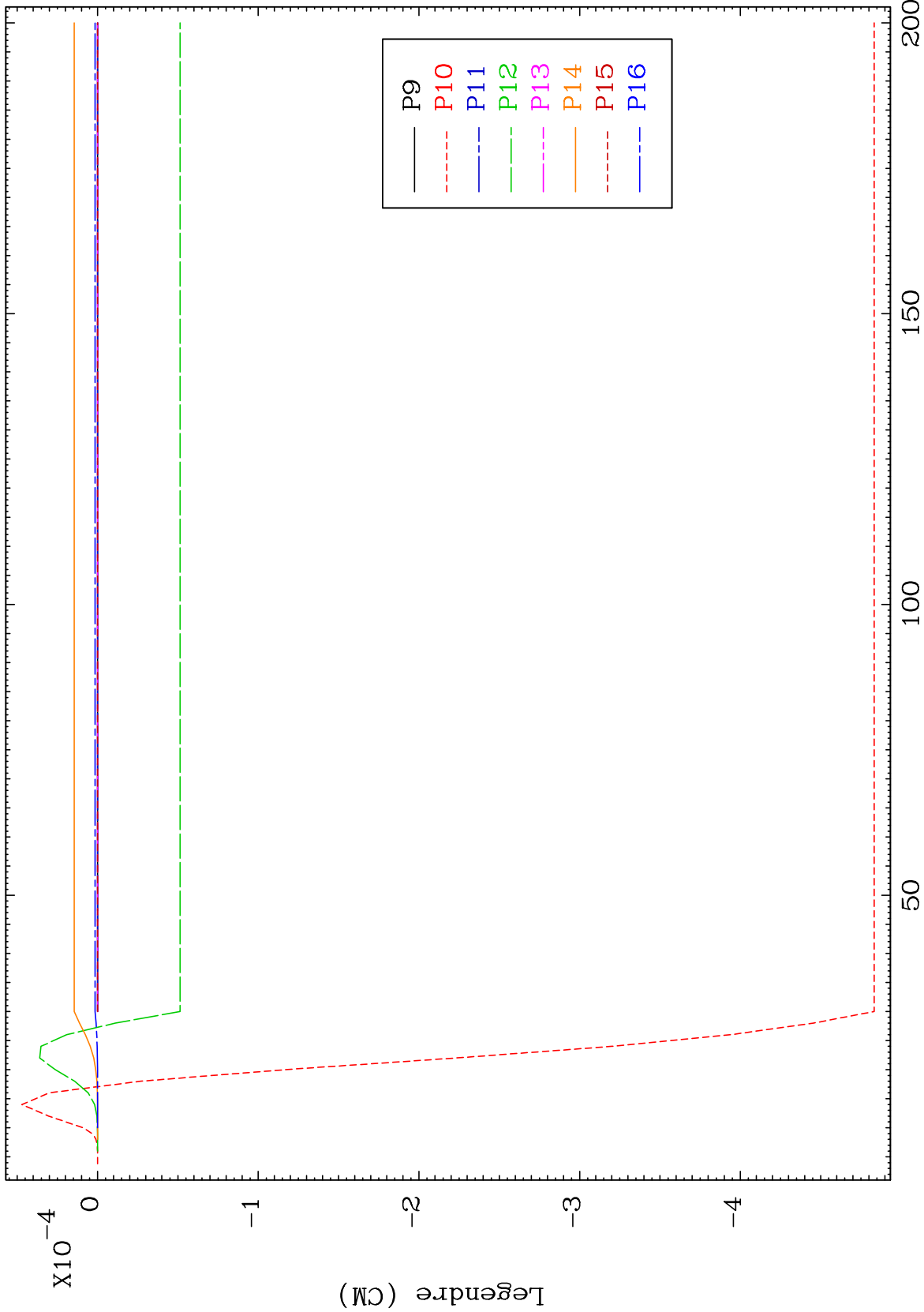
MAT 2519

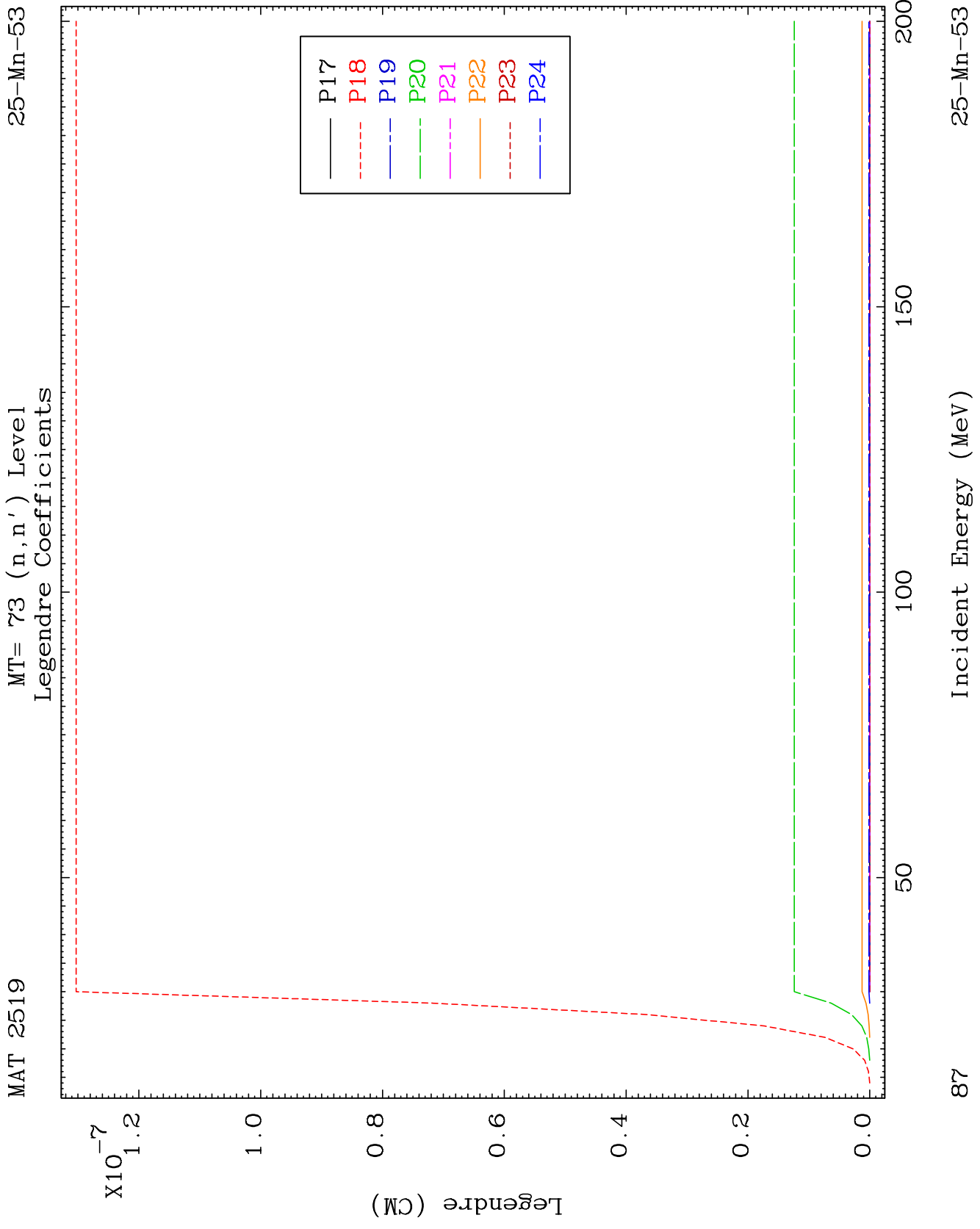
MT= 72 (n,n') Level
Legendre Coefficients

25-Mn-53





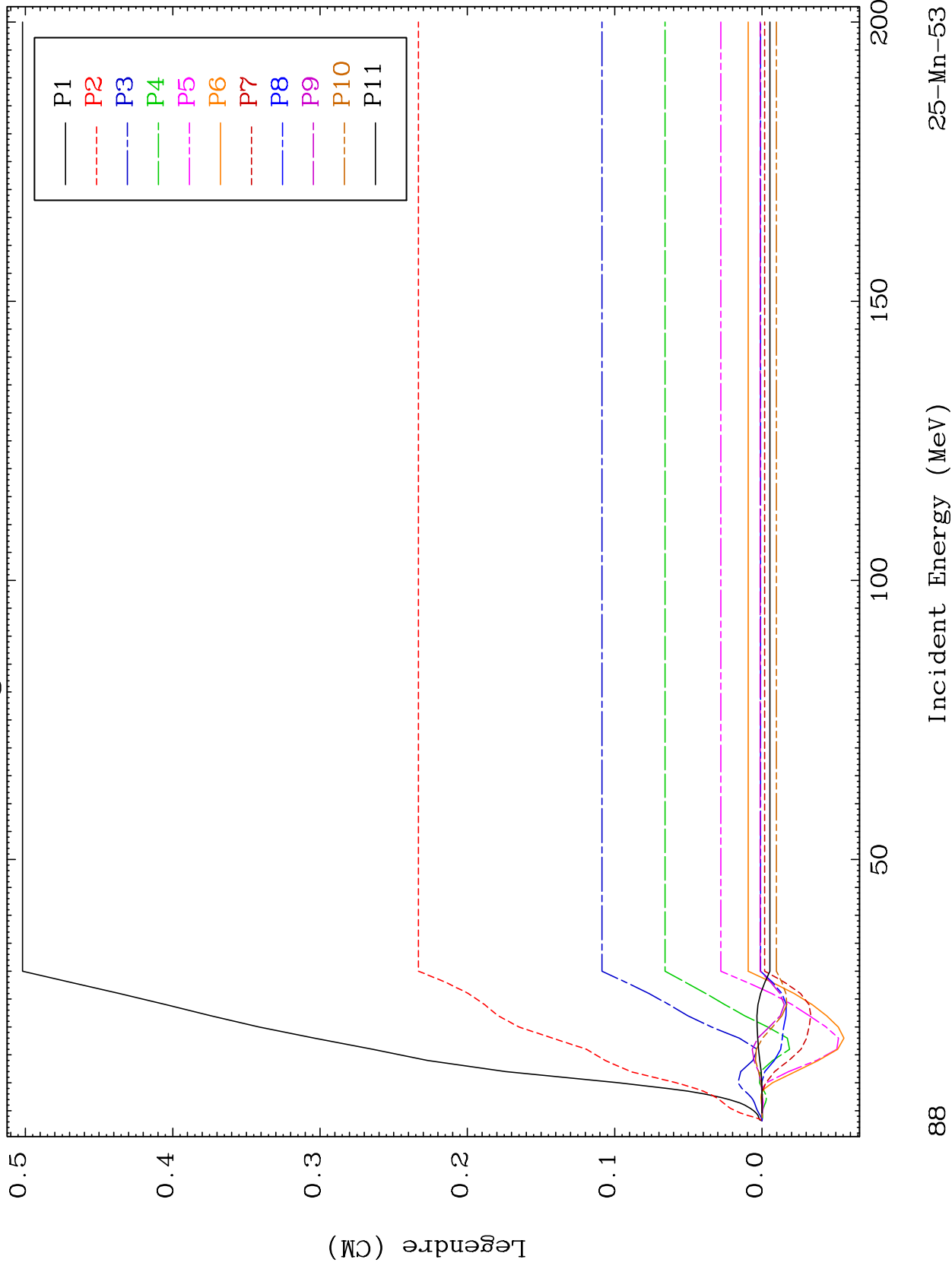




MAT 2519

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

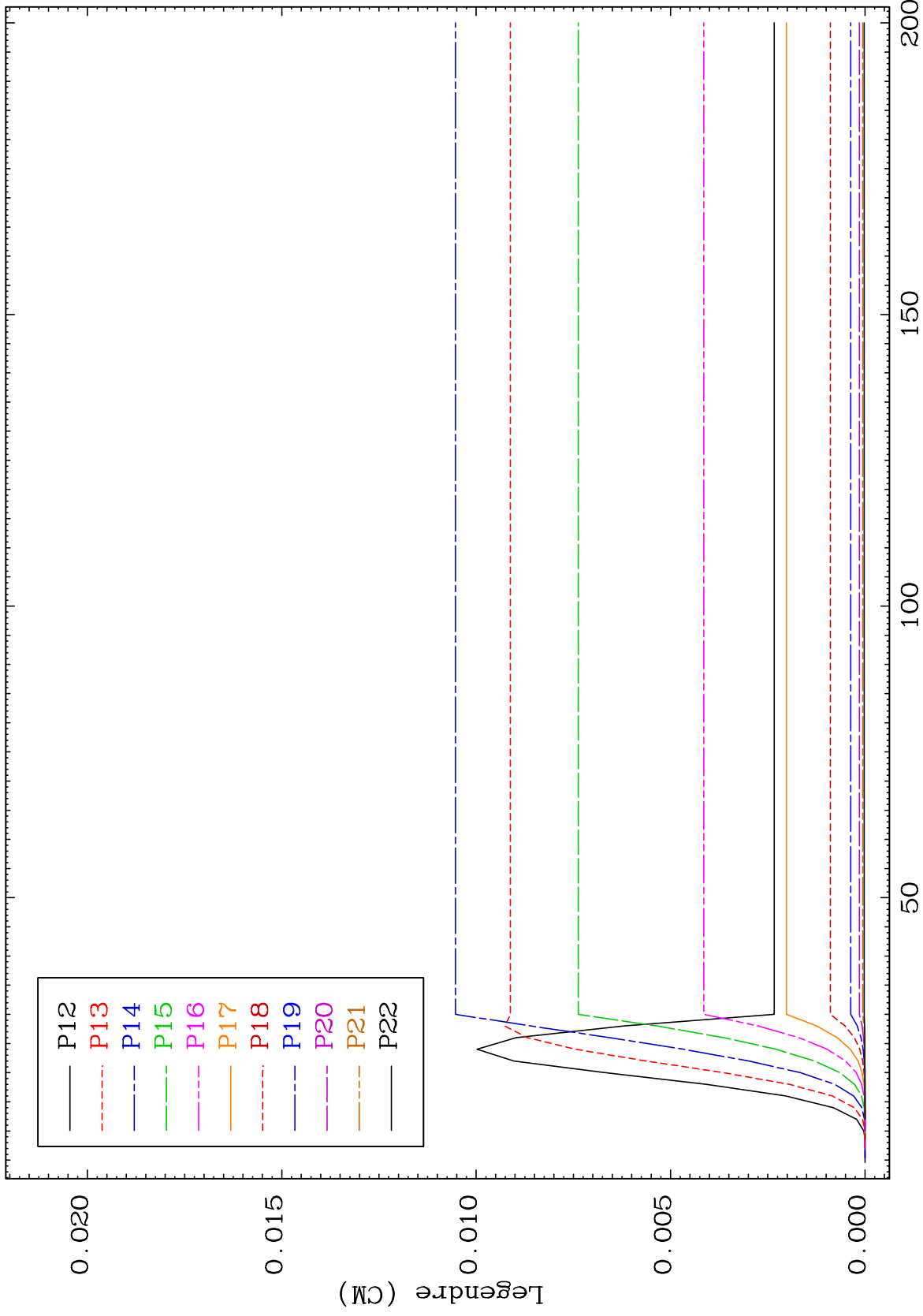
25-Mn-53



88

Incident Energy (MeV)

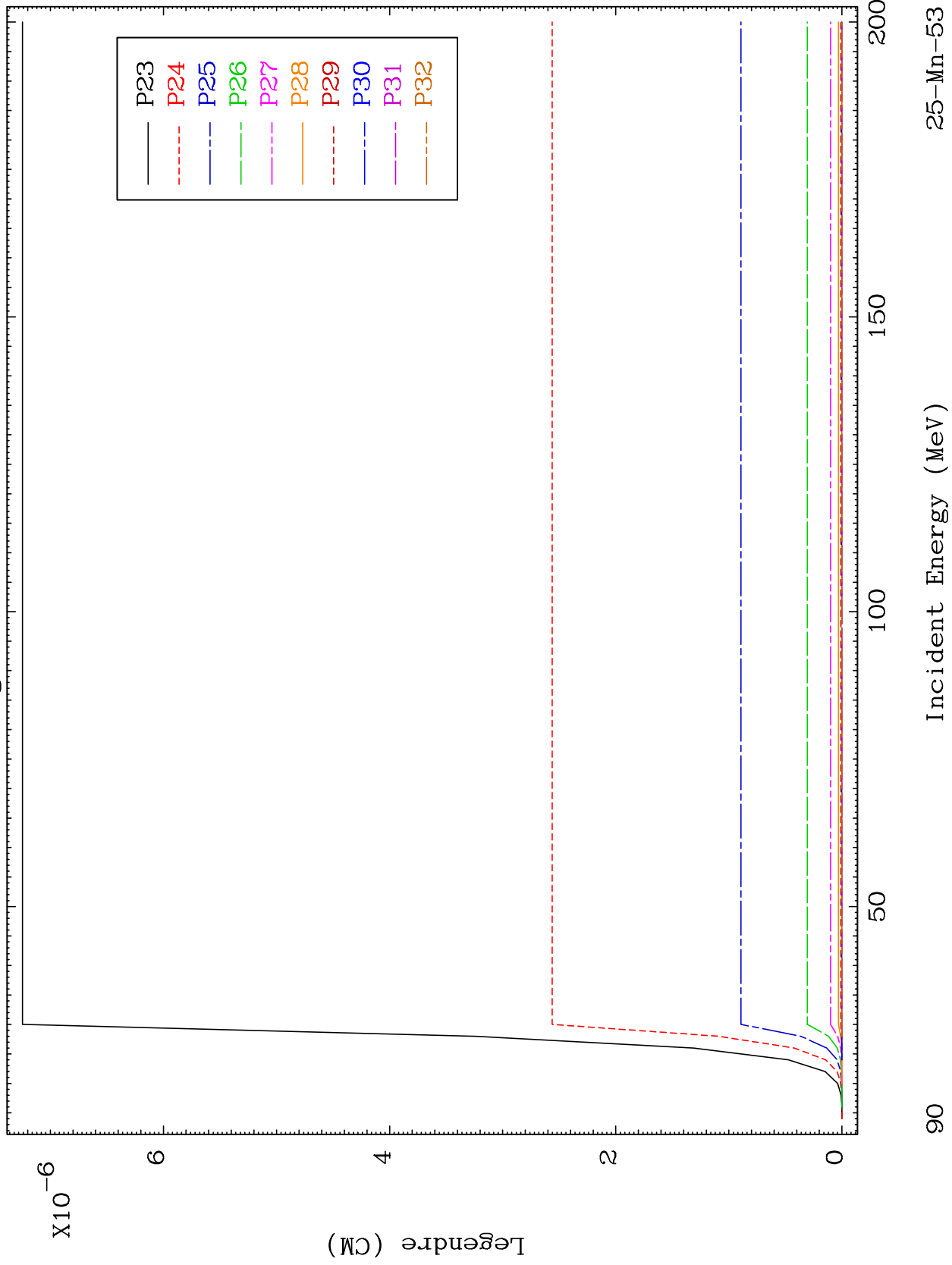
25-Mn-53

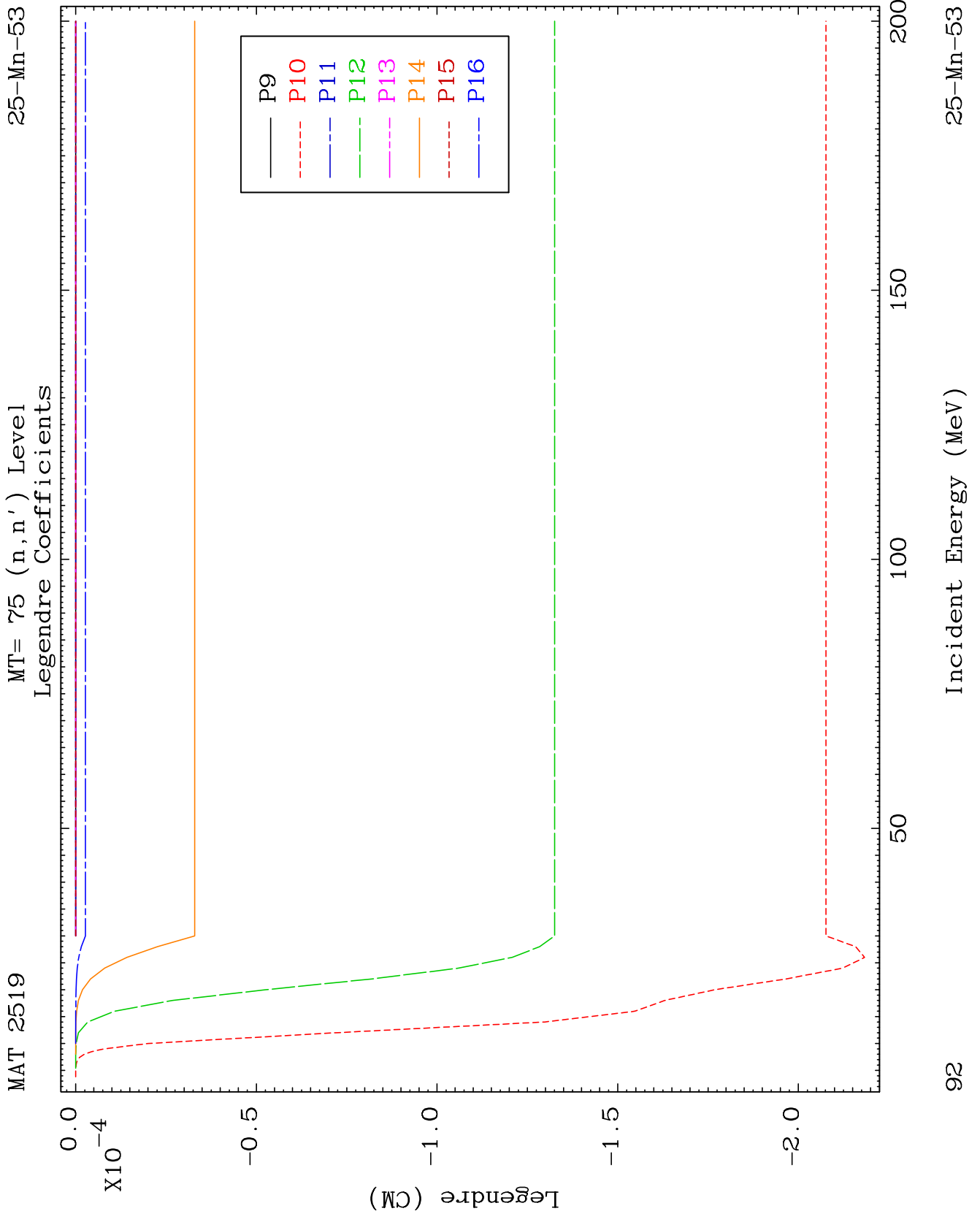


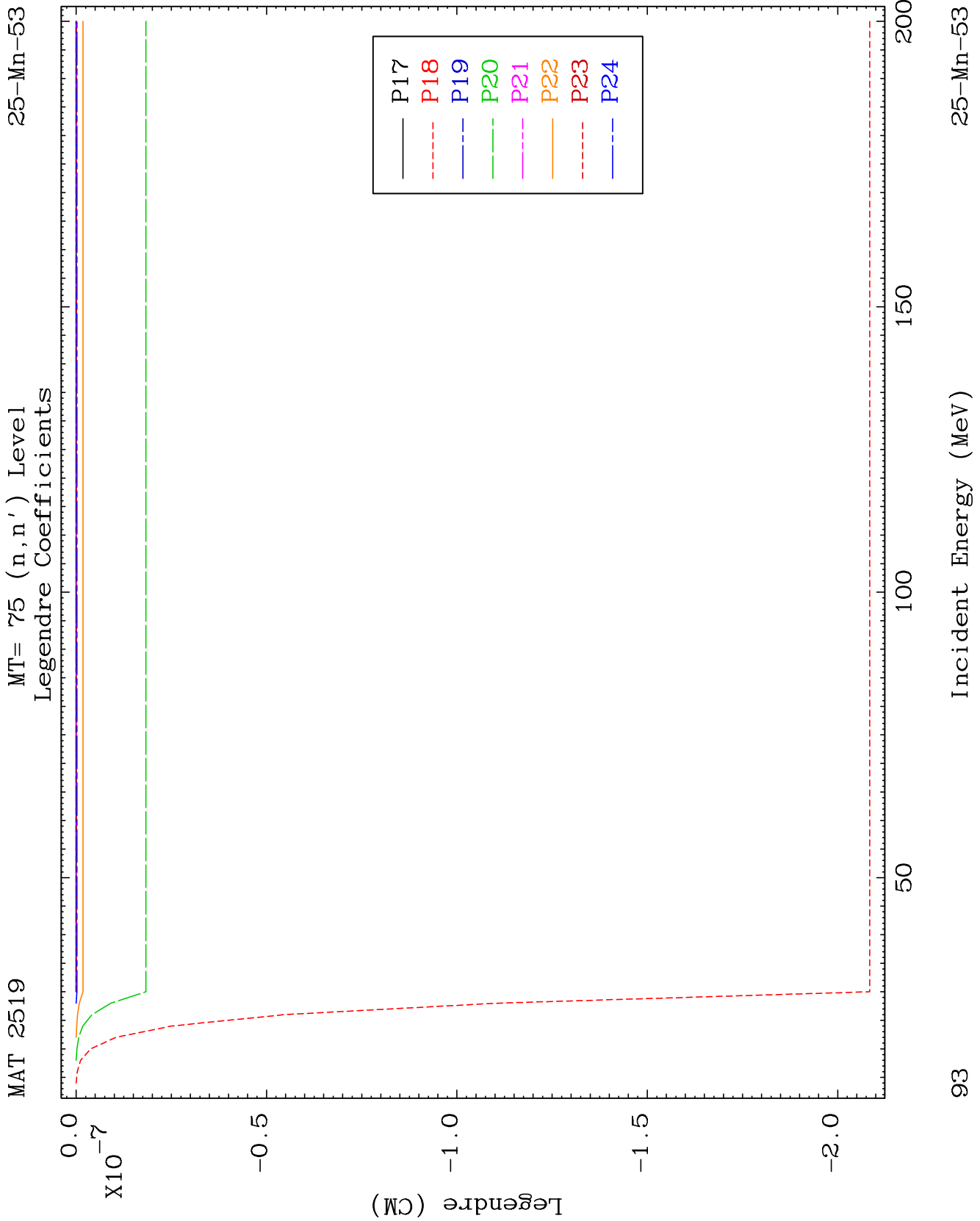
MAT 2519

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

25-Mn-53



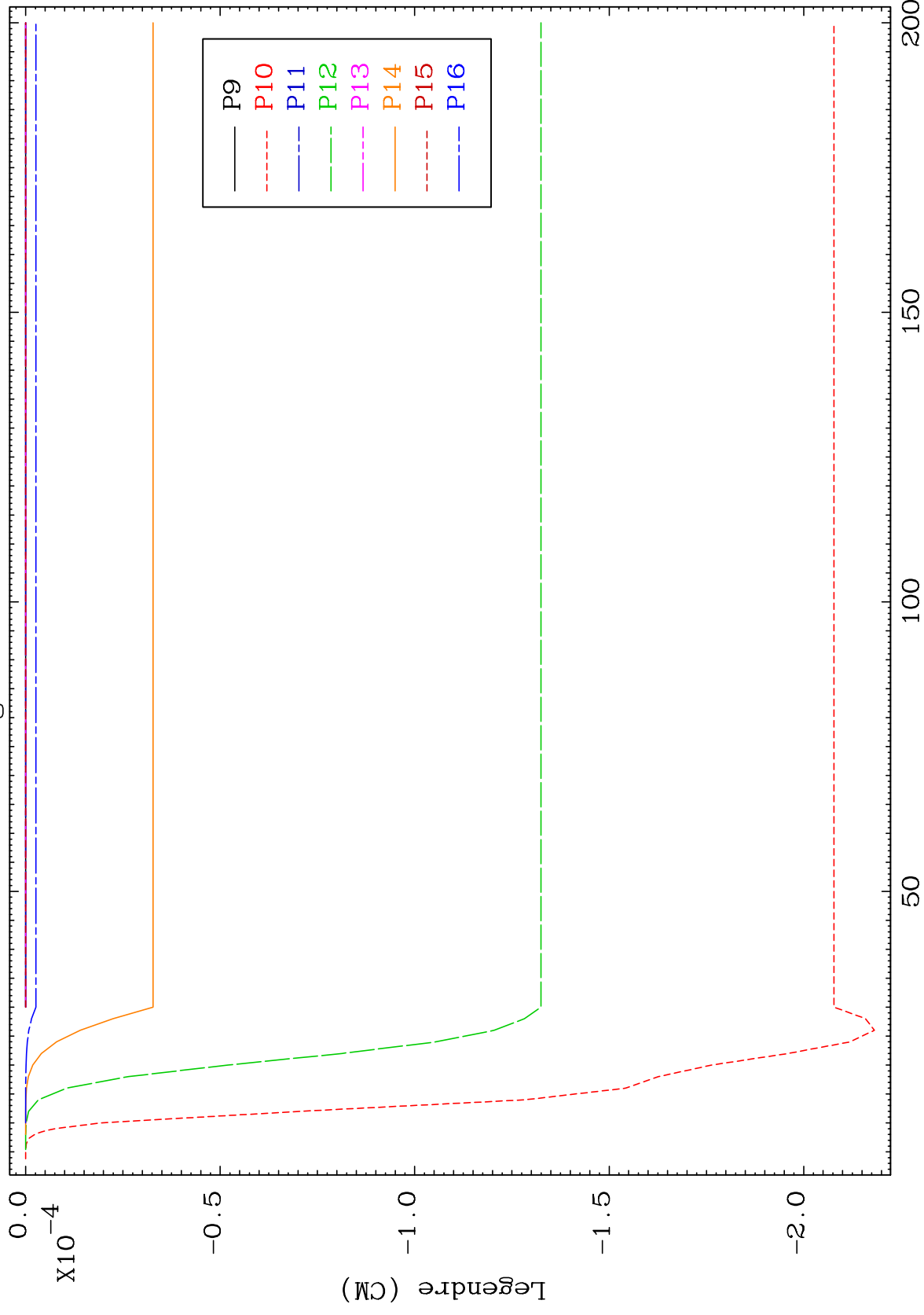




MAT 2519

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

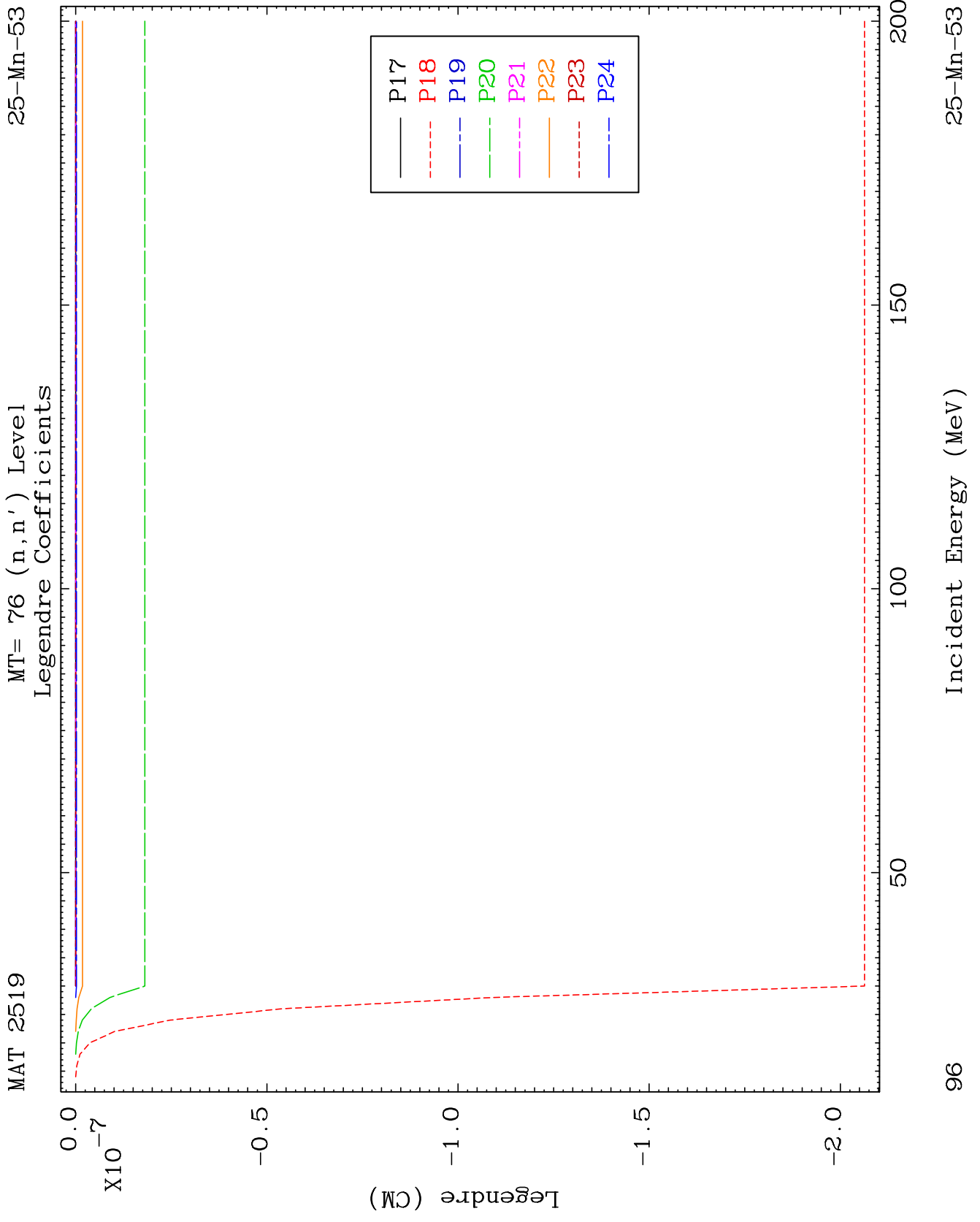
25-Mn-53



25-Mn-53

Incident Energy (MeV)

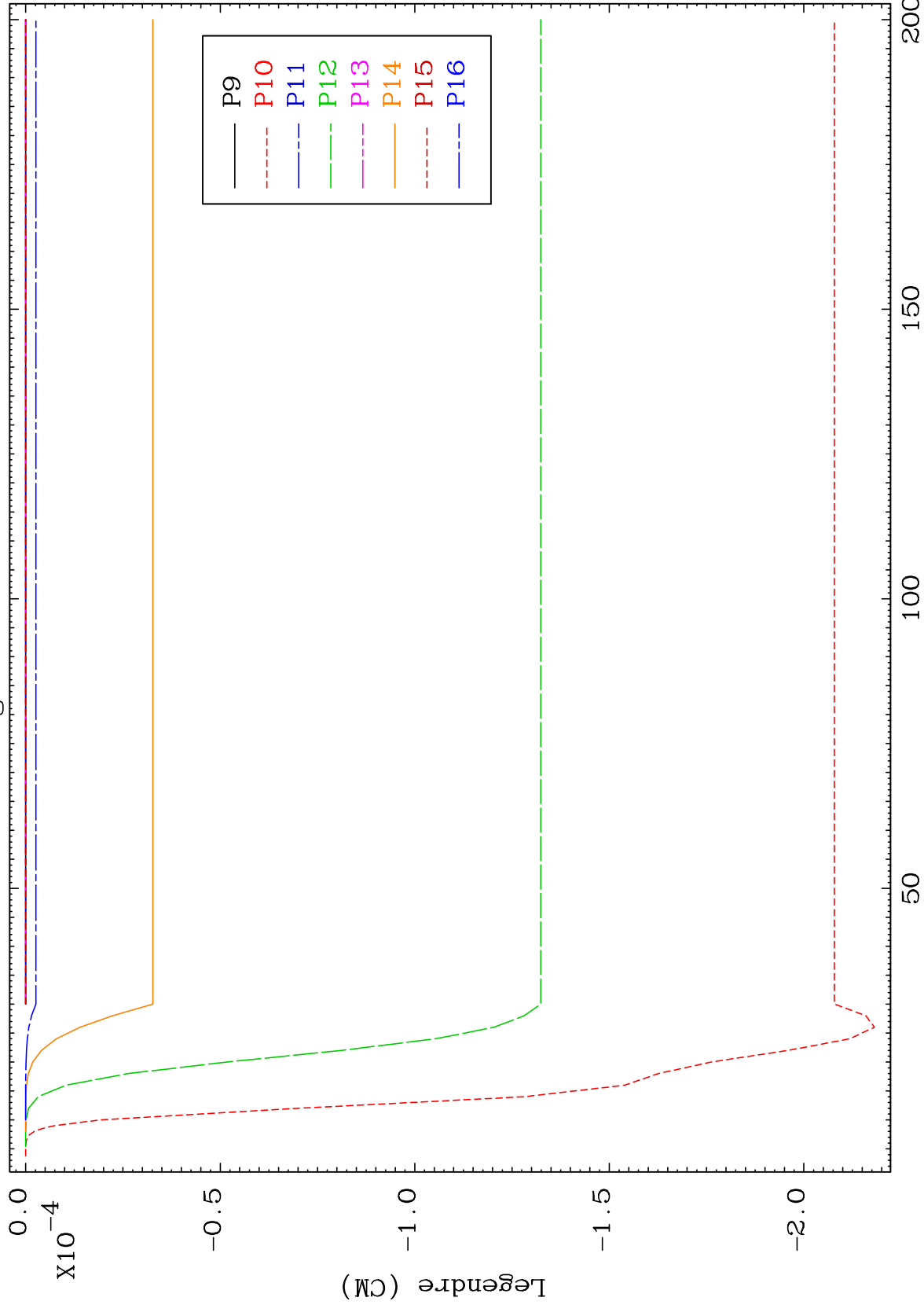
95



MAT 2519

MT= 77 (n,n') Level
Legendre Coefficients

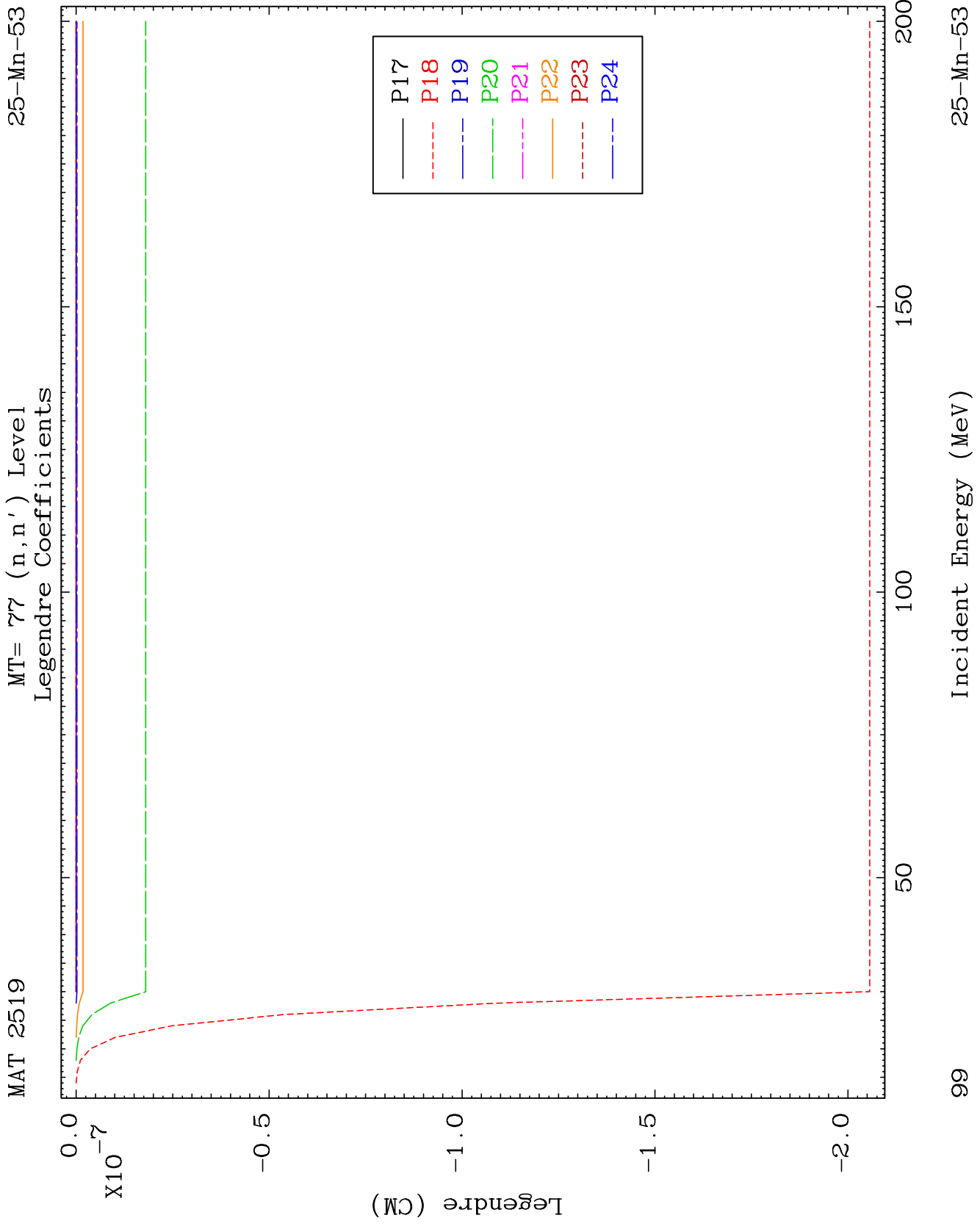
25-Mn-53



98

Incident Energy (MeV)

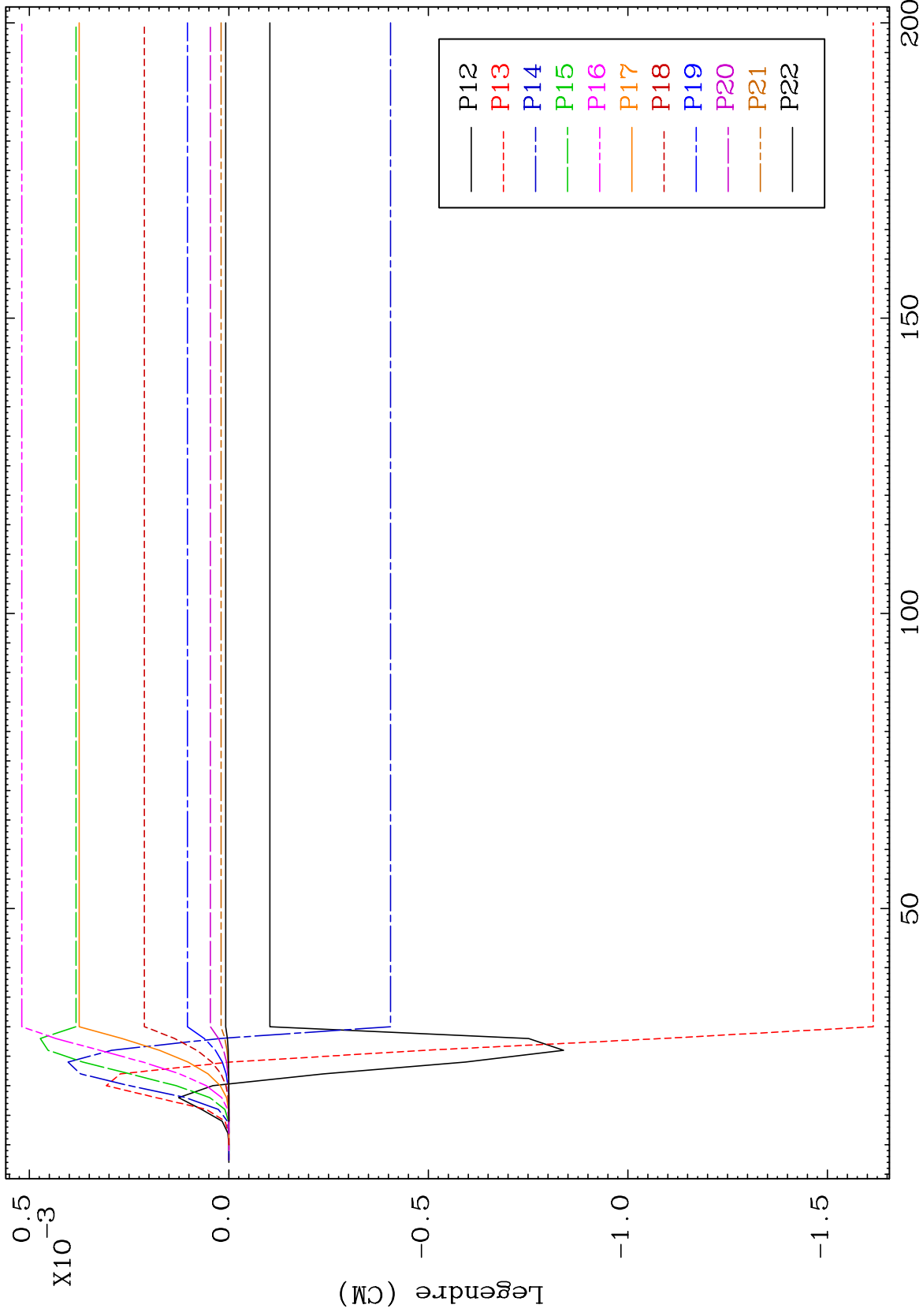
25-Mn-53



MAT 2519

MT= 78 (n,n') Level
Legendre Coefficients

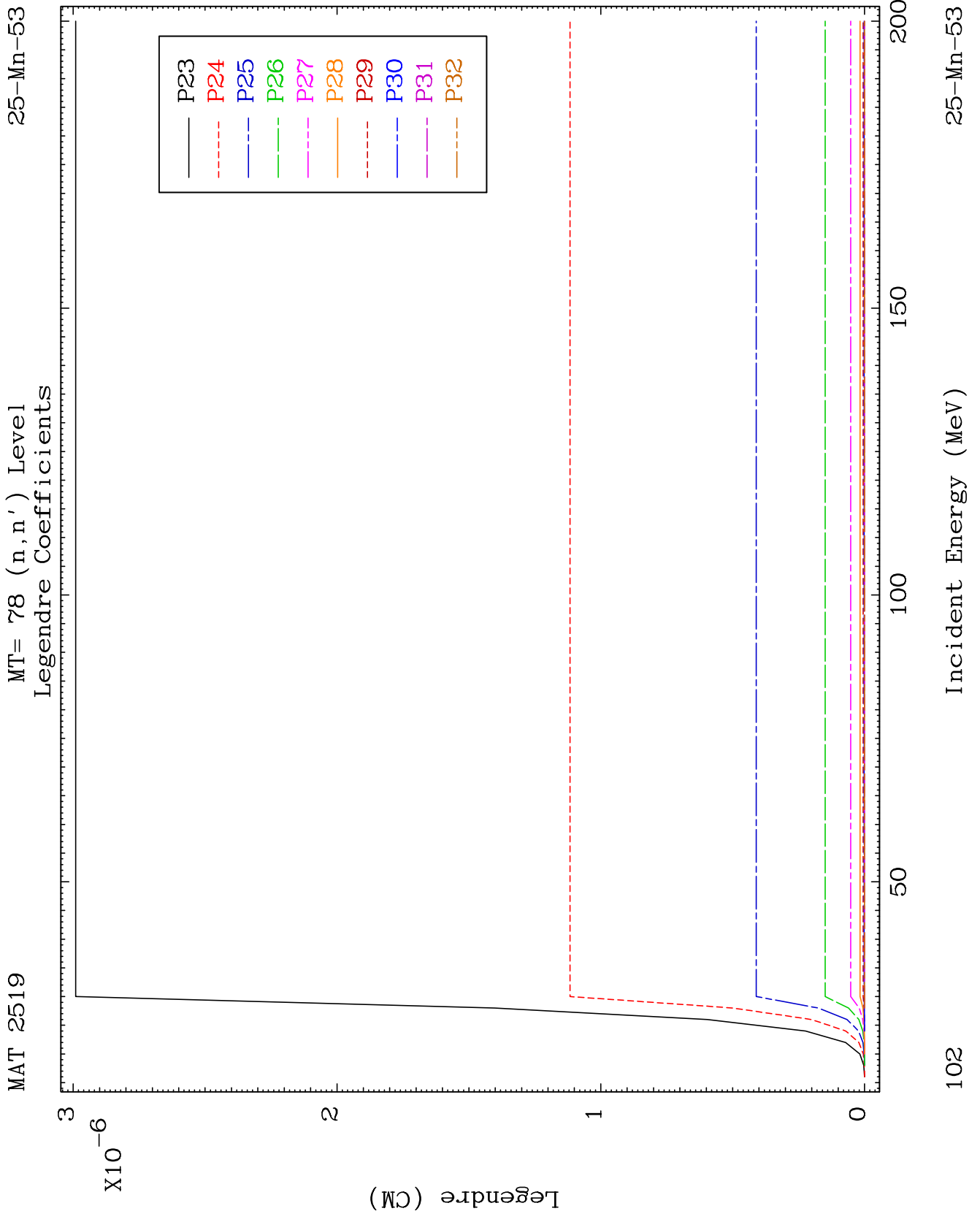
25-Mn-53



101

Incident Energy (MeV)

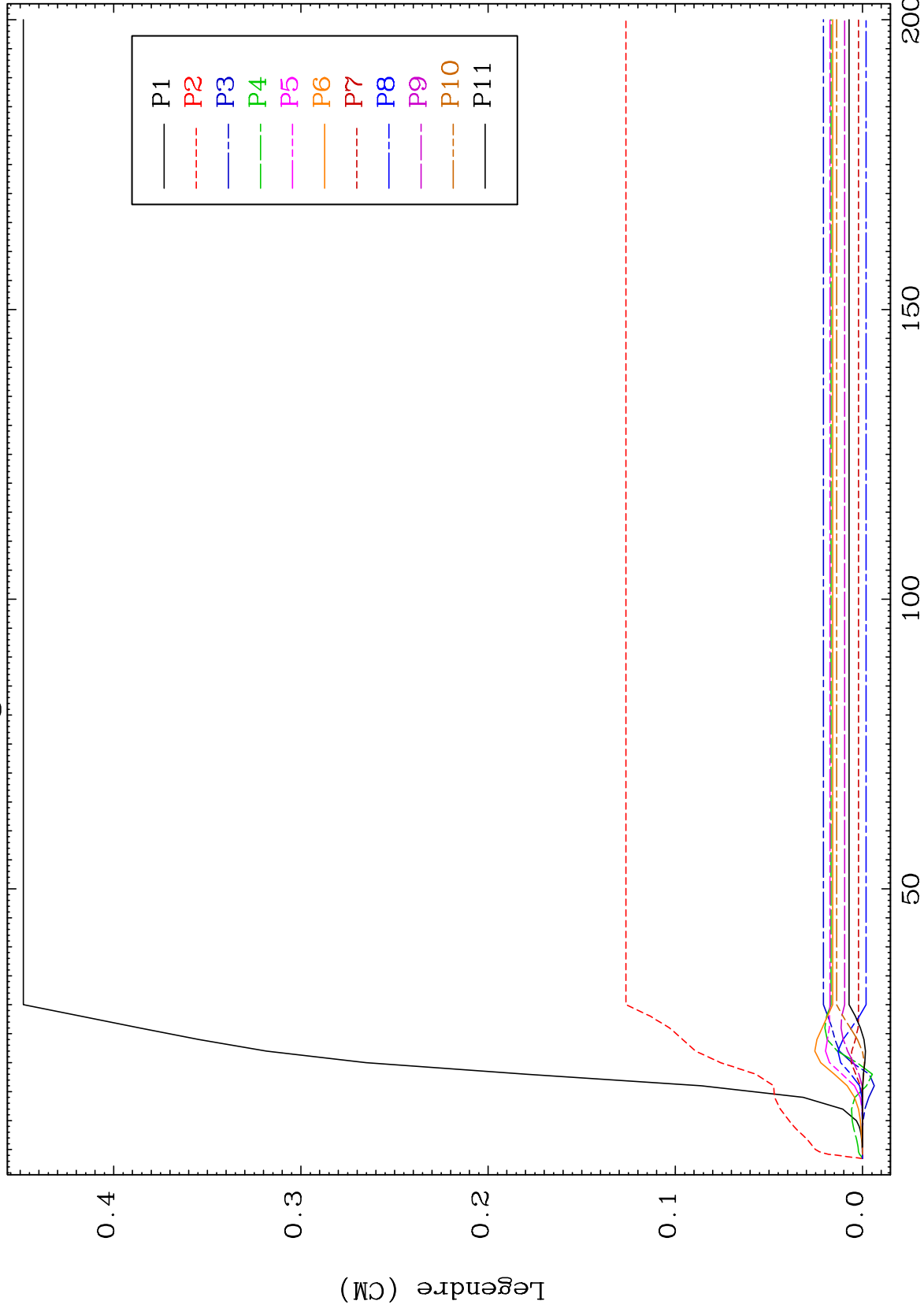
25-Mn-53



MAT 2519

MT= 79 (n,n') Level
Legendre Coefficients

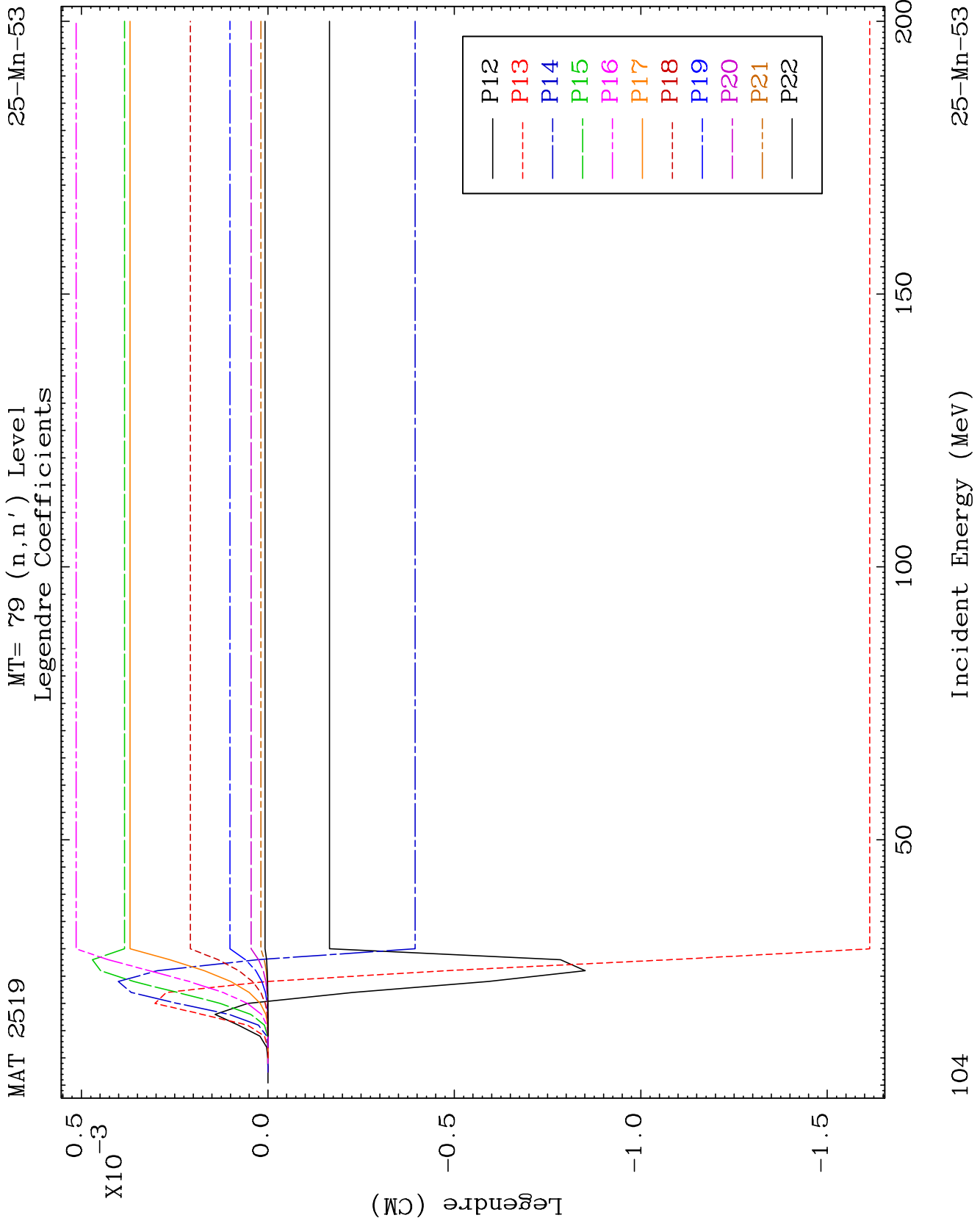
25-Mn-53



103

Incident Energy (MeV)

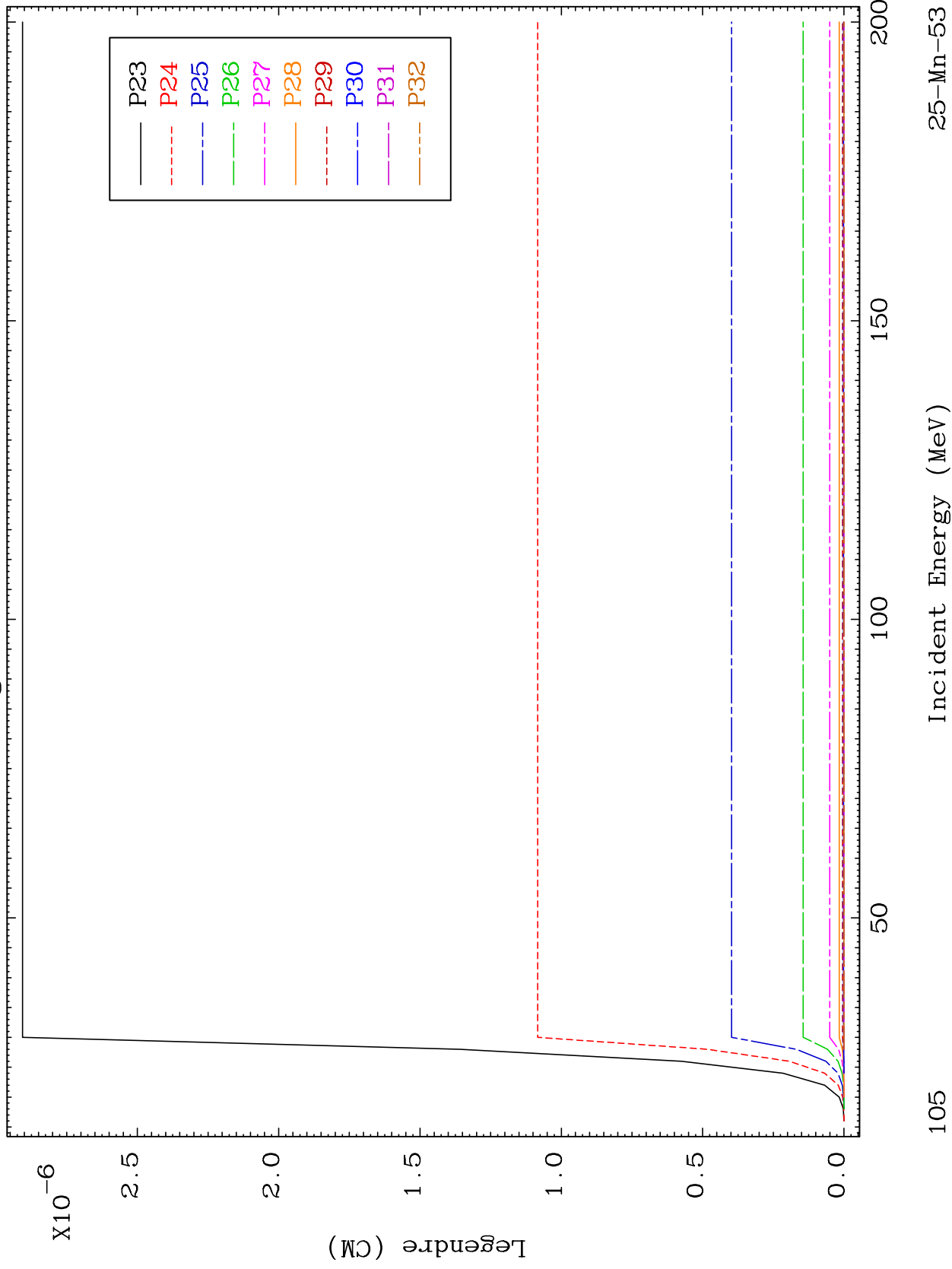
25-Mn-53



MAT 2519

MT= 79 (n,n') Level
Legendre Coefficients

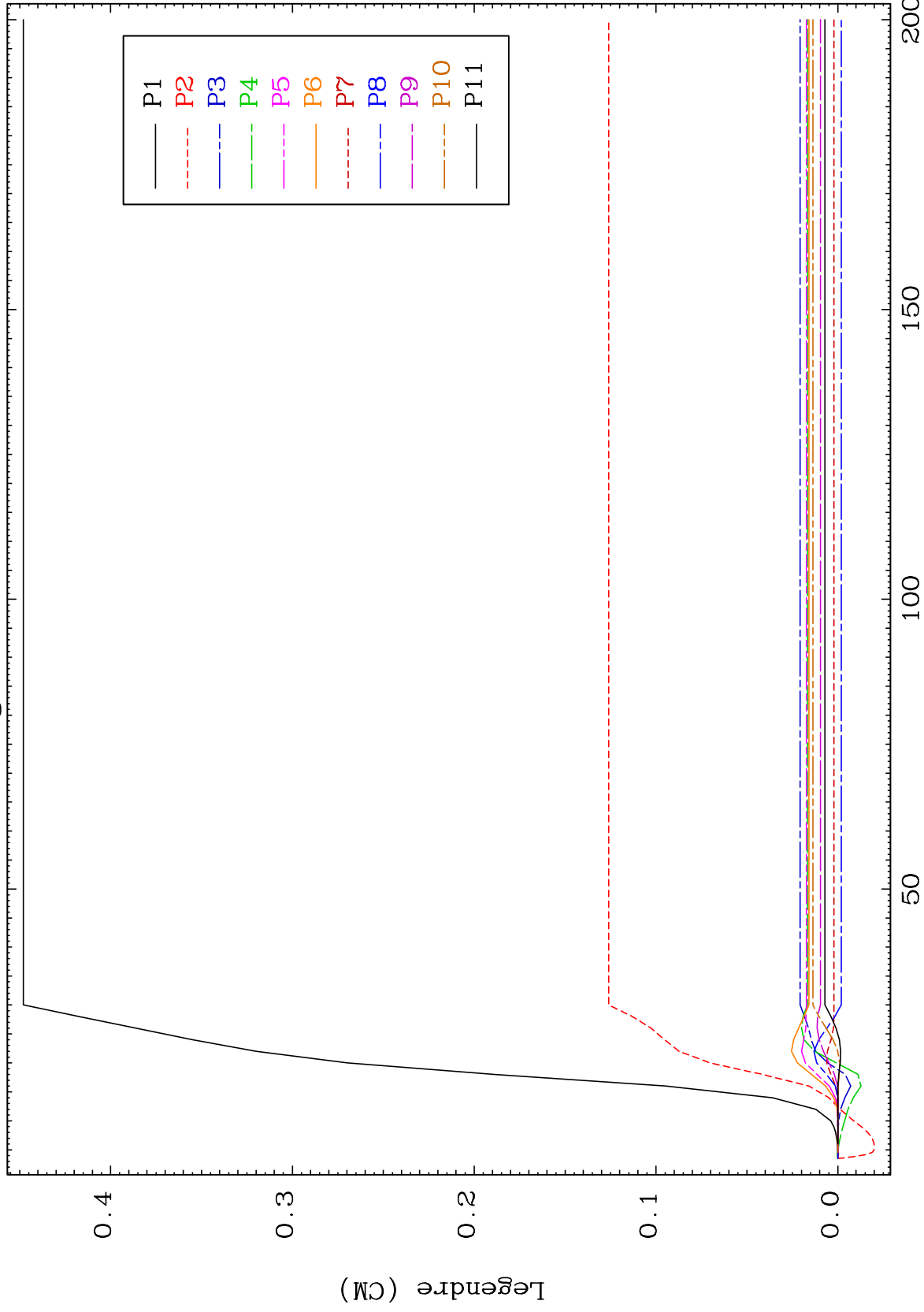
25-Mn-53



MAT 2519

MT= 80 (n,n') Level
Legendre Coefficients

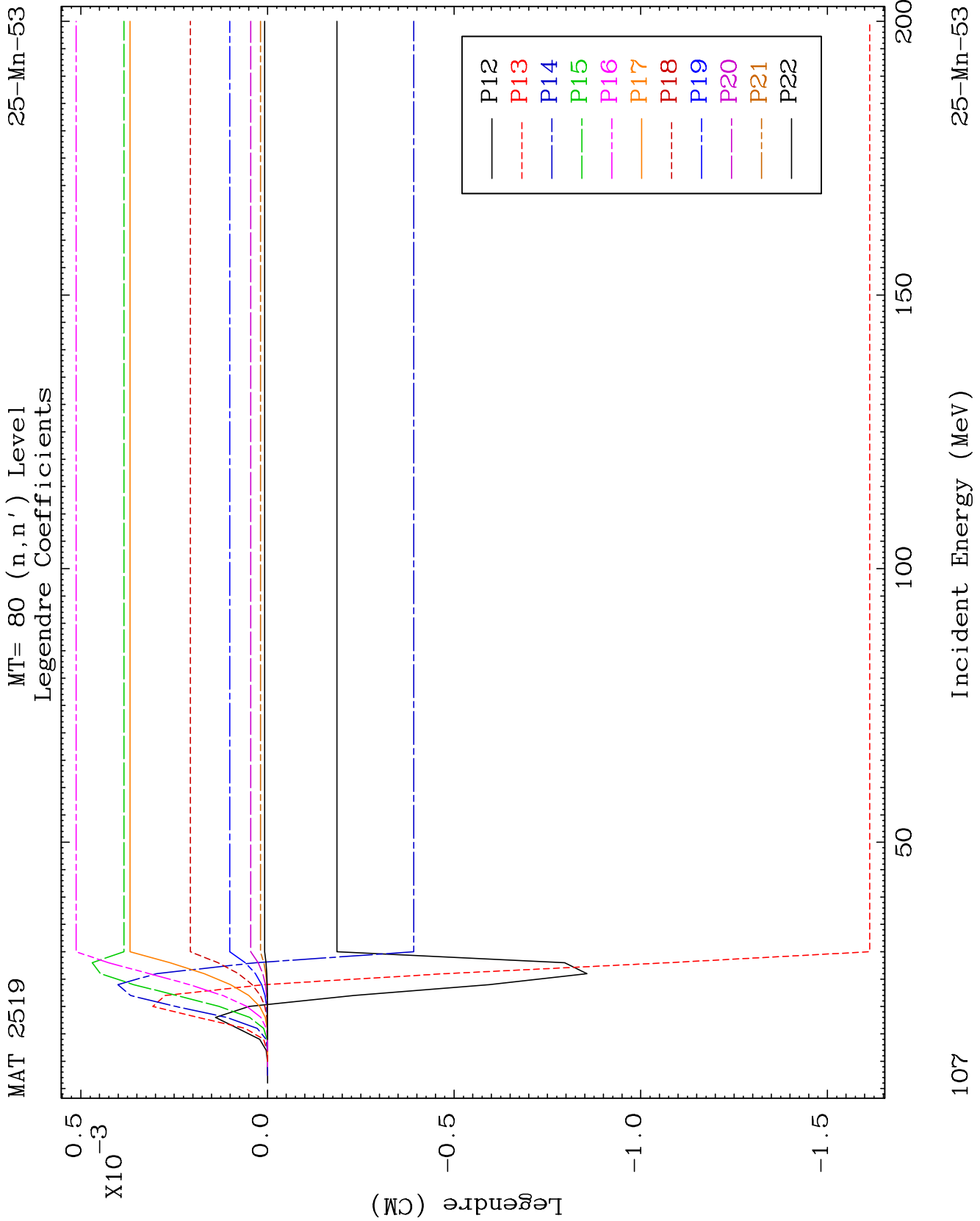
25-Mn-53



106

Incident Energy (MeV)

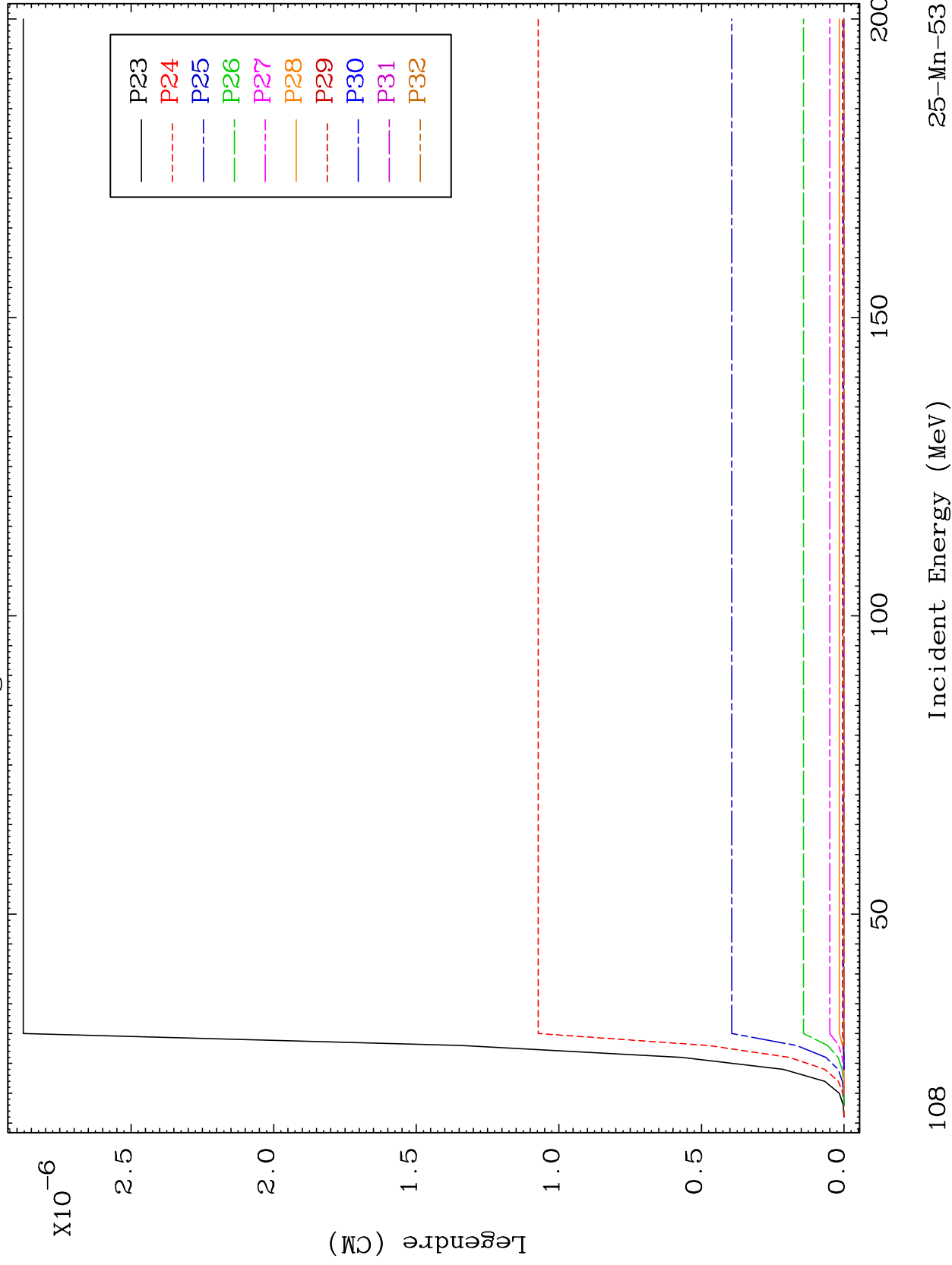
25-Mn-53



MAT 2519

MT= 80 (n,n') Level
Legendre Coefficients

25-Mn-53



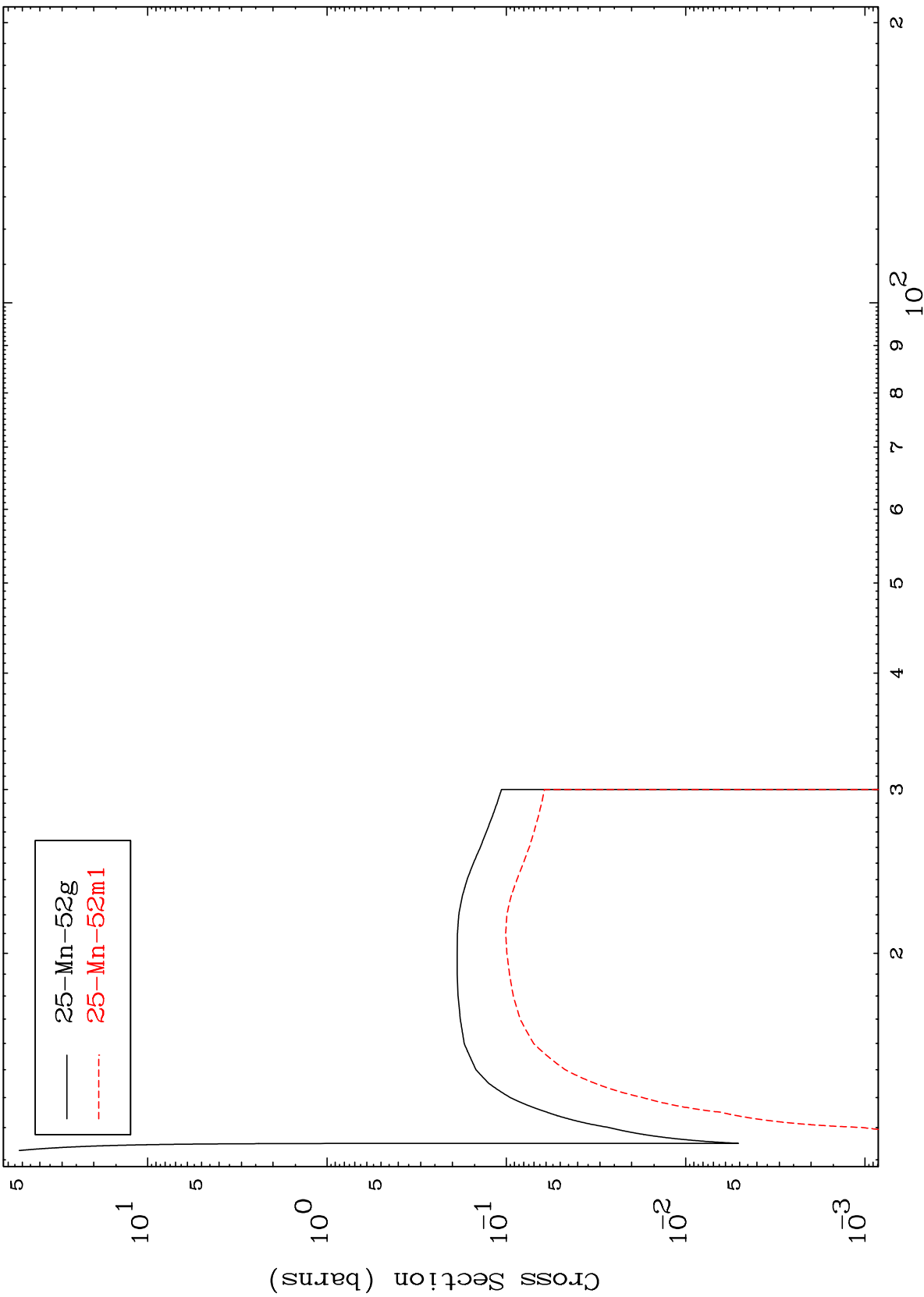
108

25-Mn-53

MAT 2519

25-Mn-53

(n,2n)
Radionuclide Production Cross Section



109

25-Mn-53

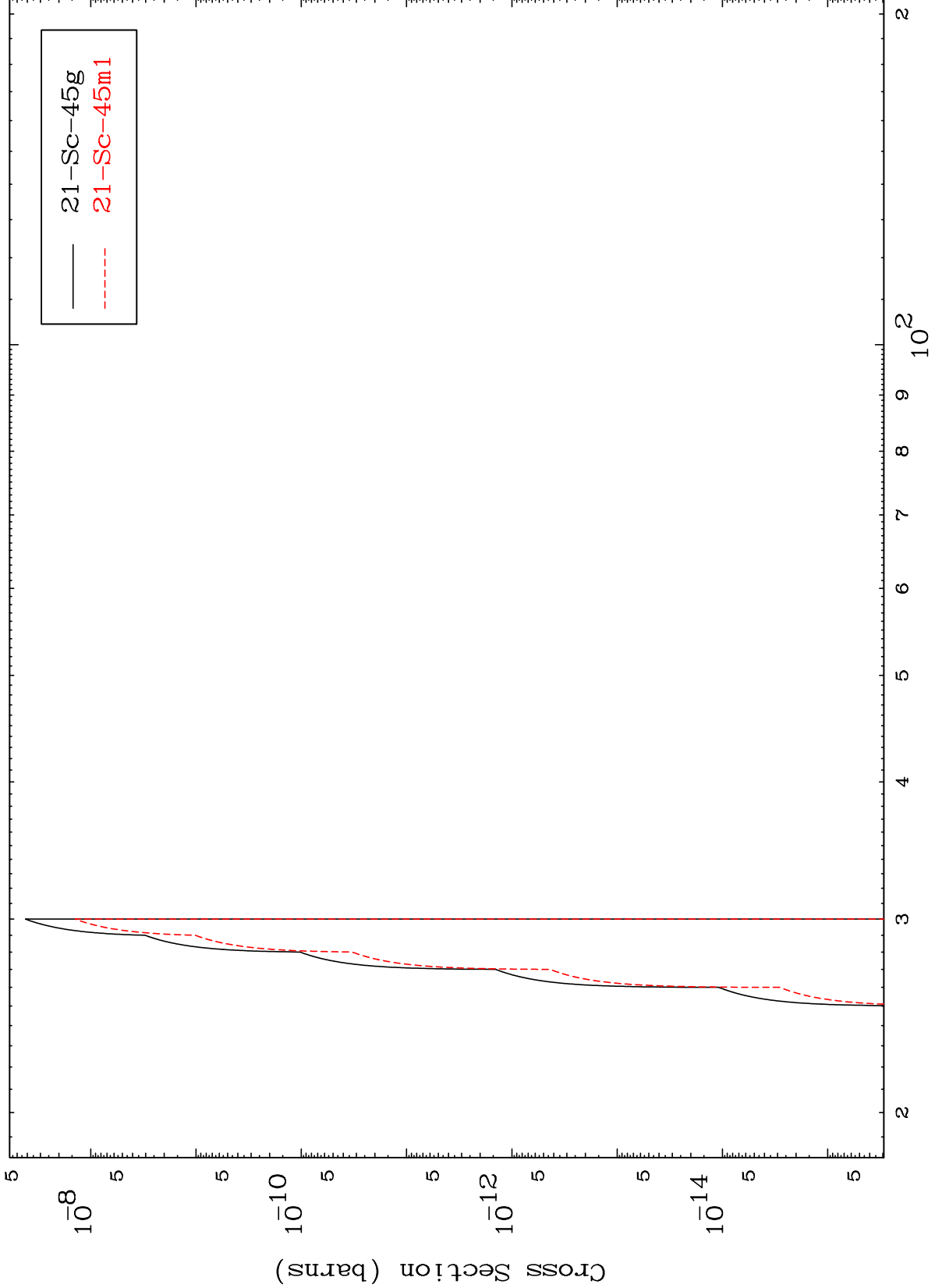
Incident Energy (MeV)

MAT 2519

(n,n') 2α

25-Mn-53

Radionuclide Production Cross Section



110

Incident Energy (MeV)

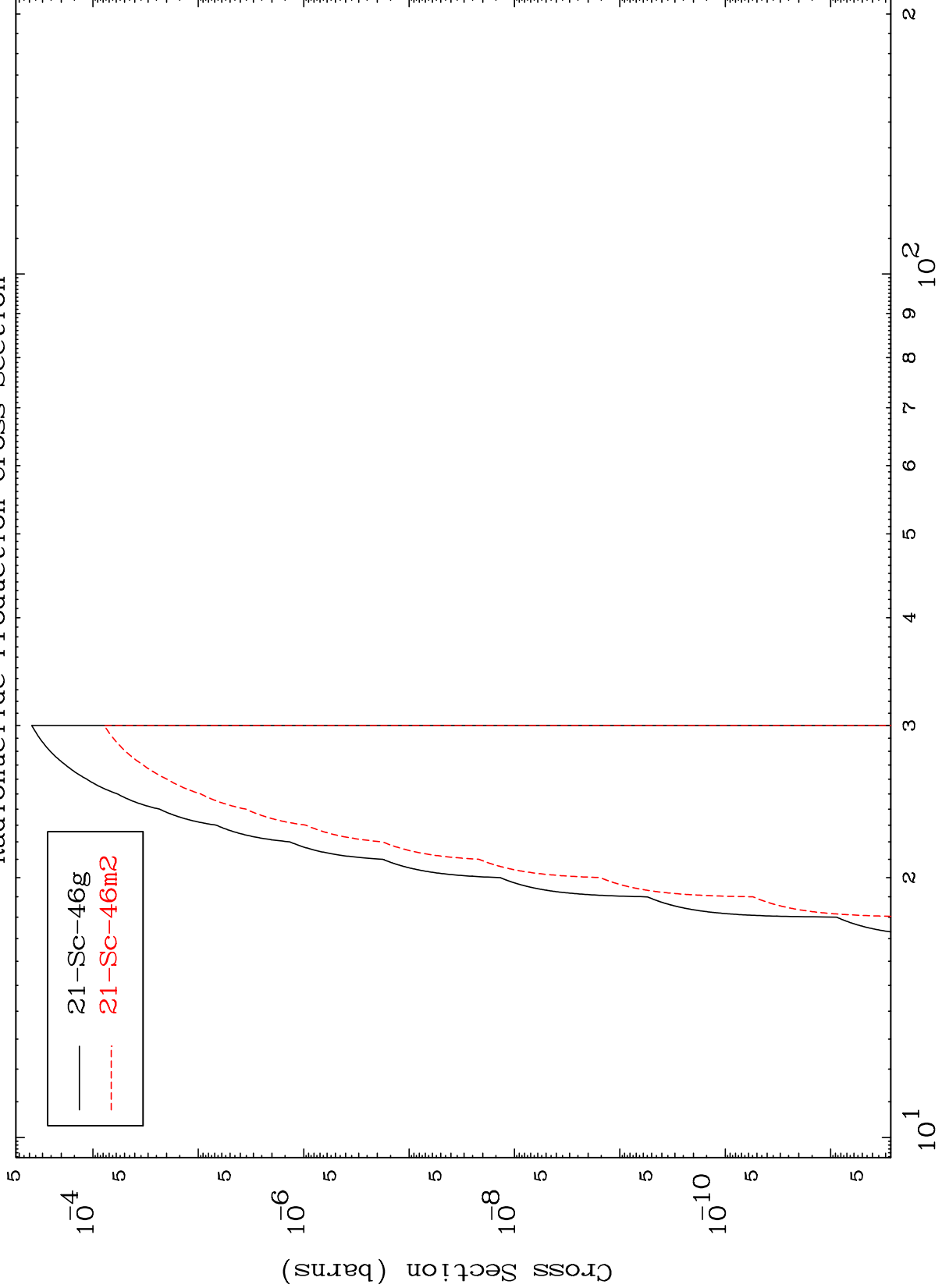
25-Mn-53

MAT 2519

(n,2α)

25-Mn-53

Radionuclide Production Cross Section



— 21-Sc-46g
- - - 21-Sc-46m2

Incident Energy (MeV)

25-Mn-53

111