

Program EVALPLOT
(Version 2015-2)

by

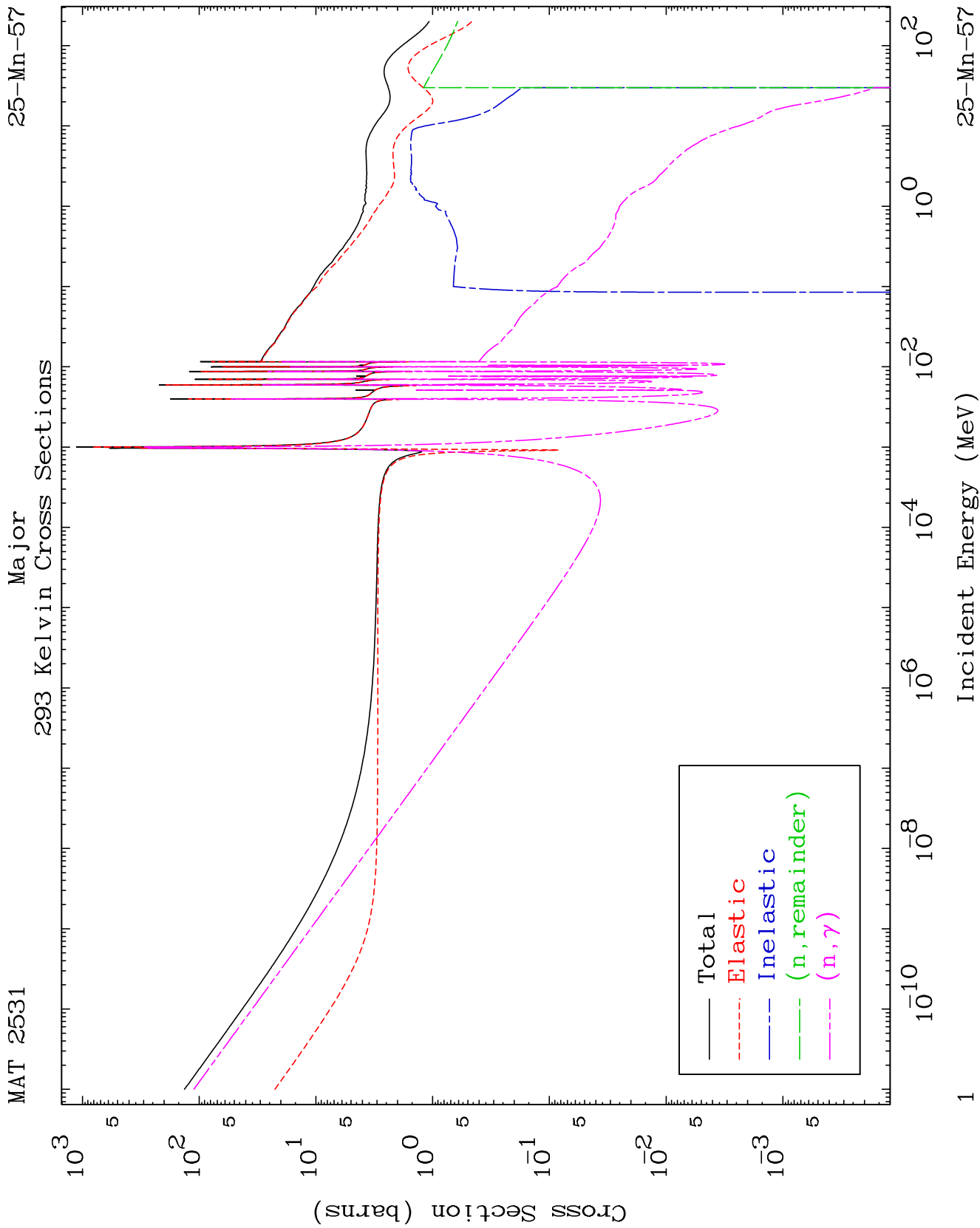
Dermott E. Cullen
(Present Contact Information)

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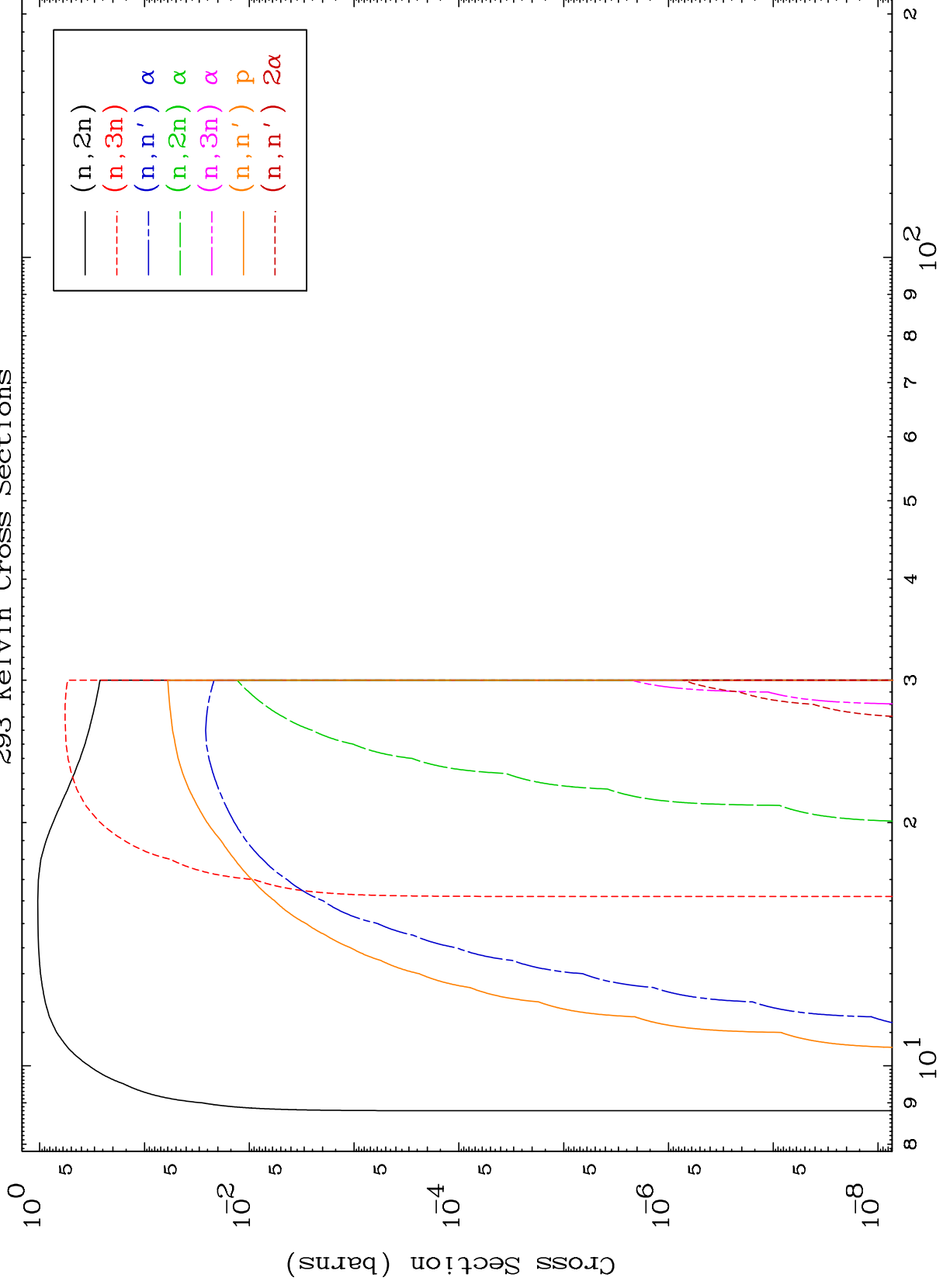
Press Mouse Button to Start



MAT 2531

Neutron Production
293 Kelvin Cross Sections

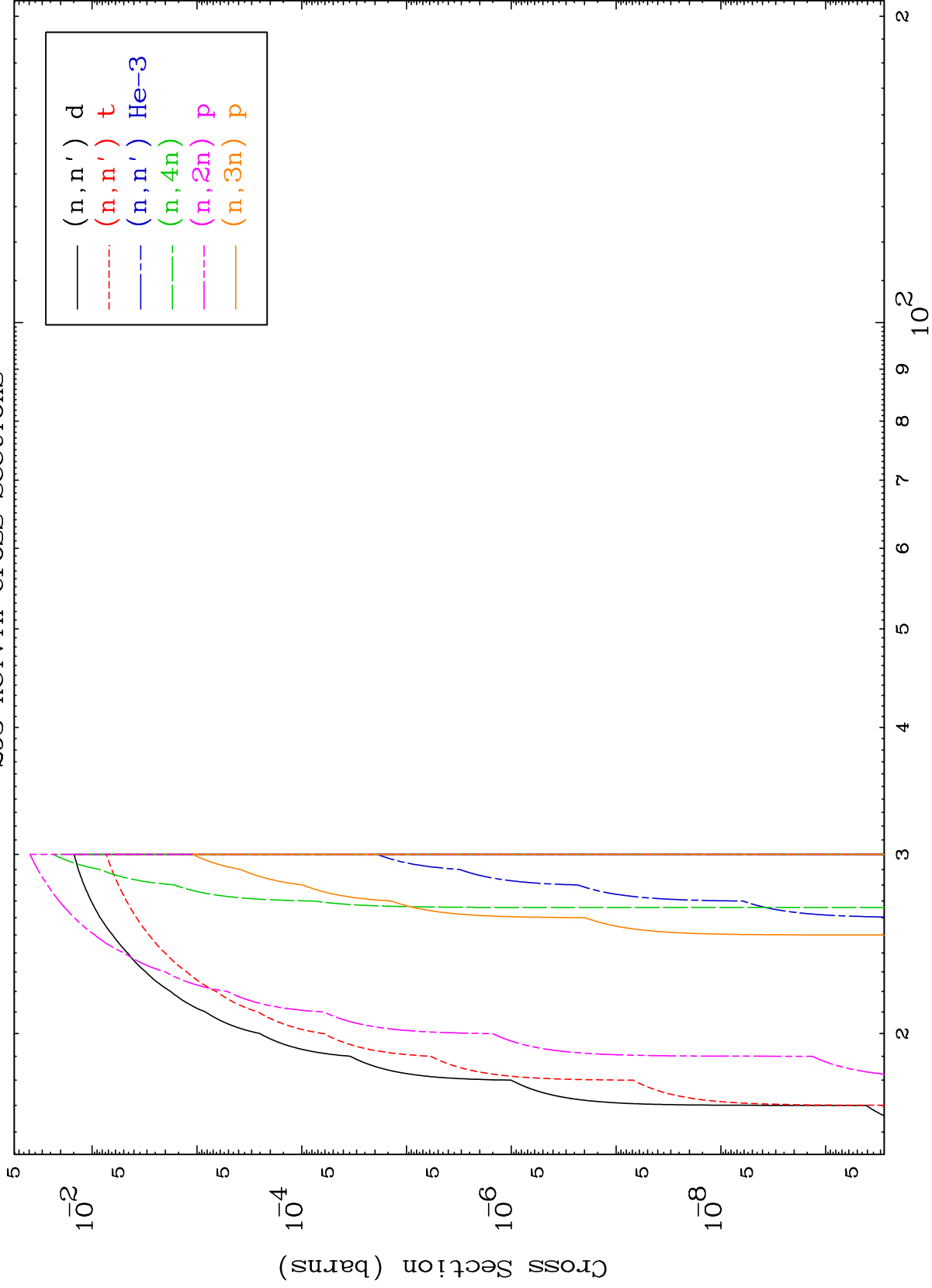
25-Mn-57

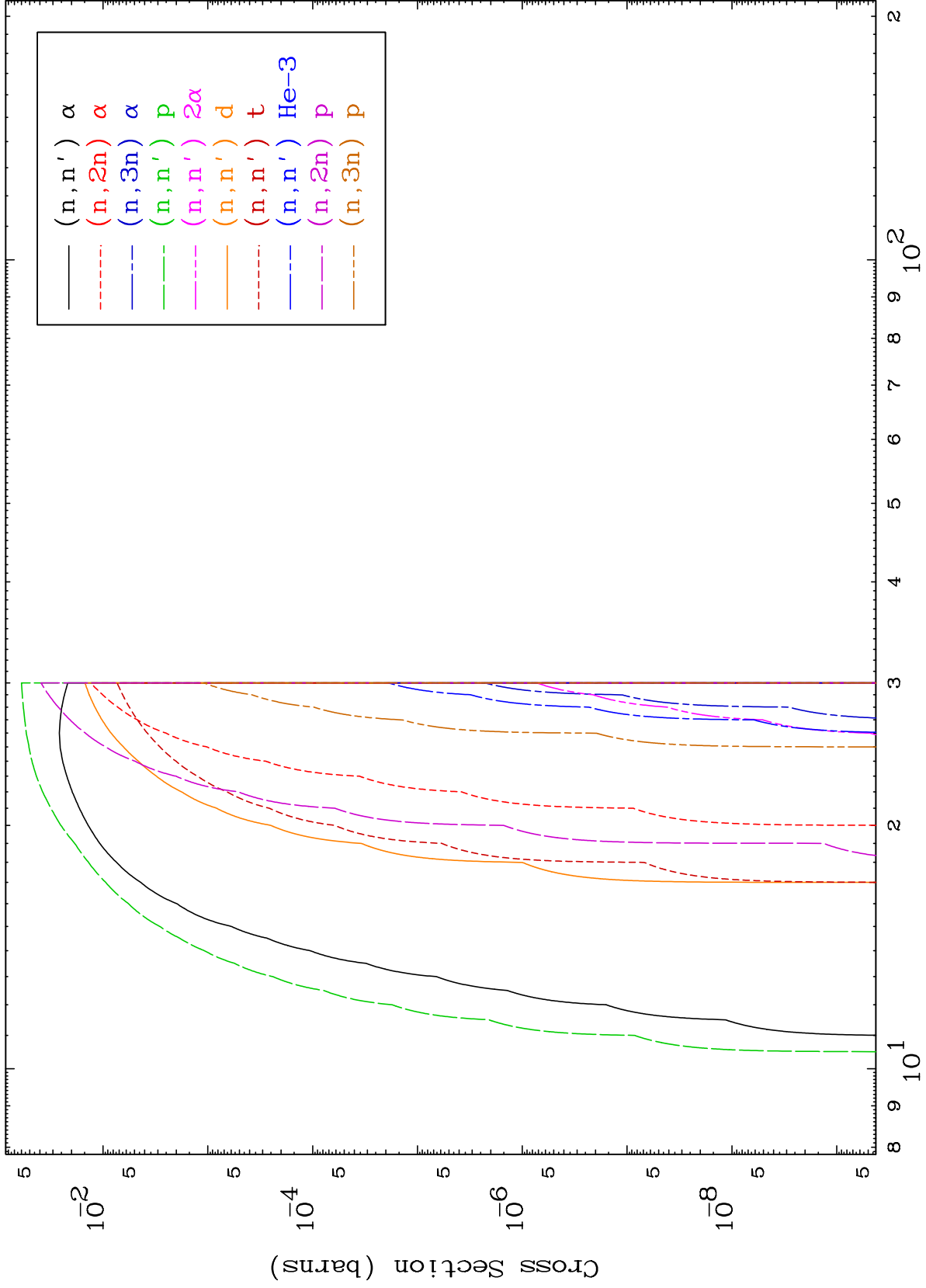


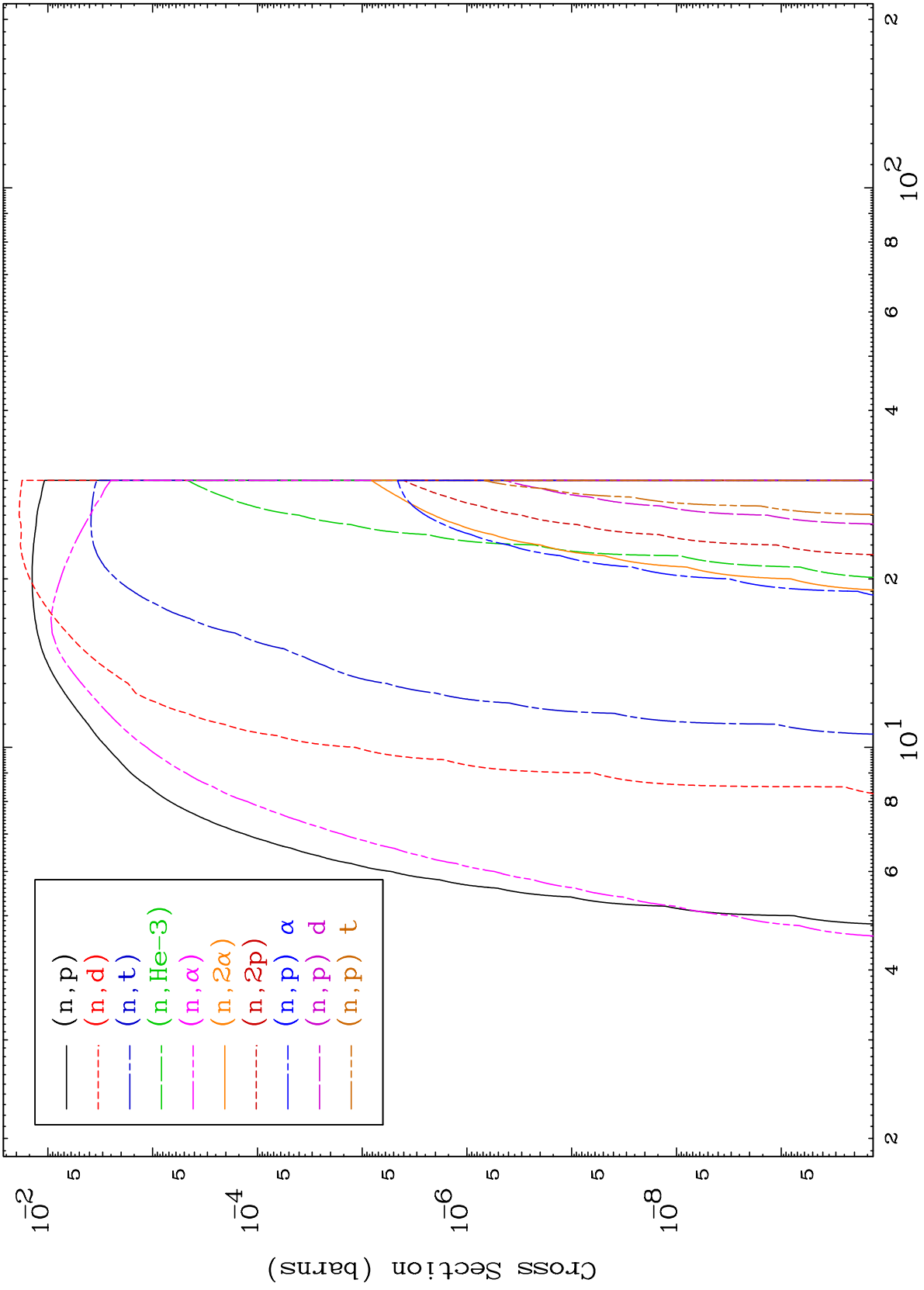
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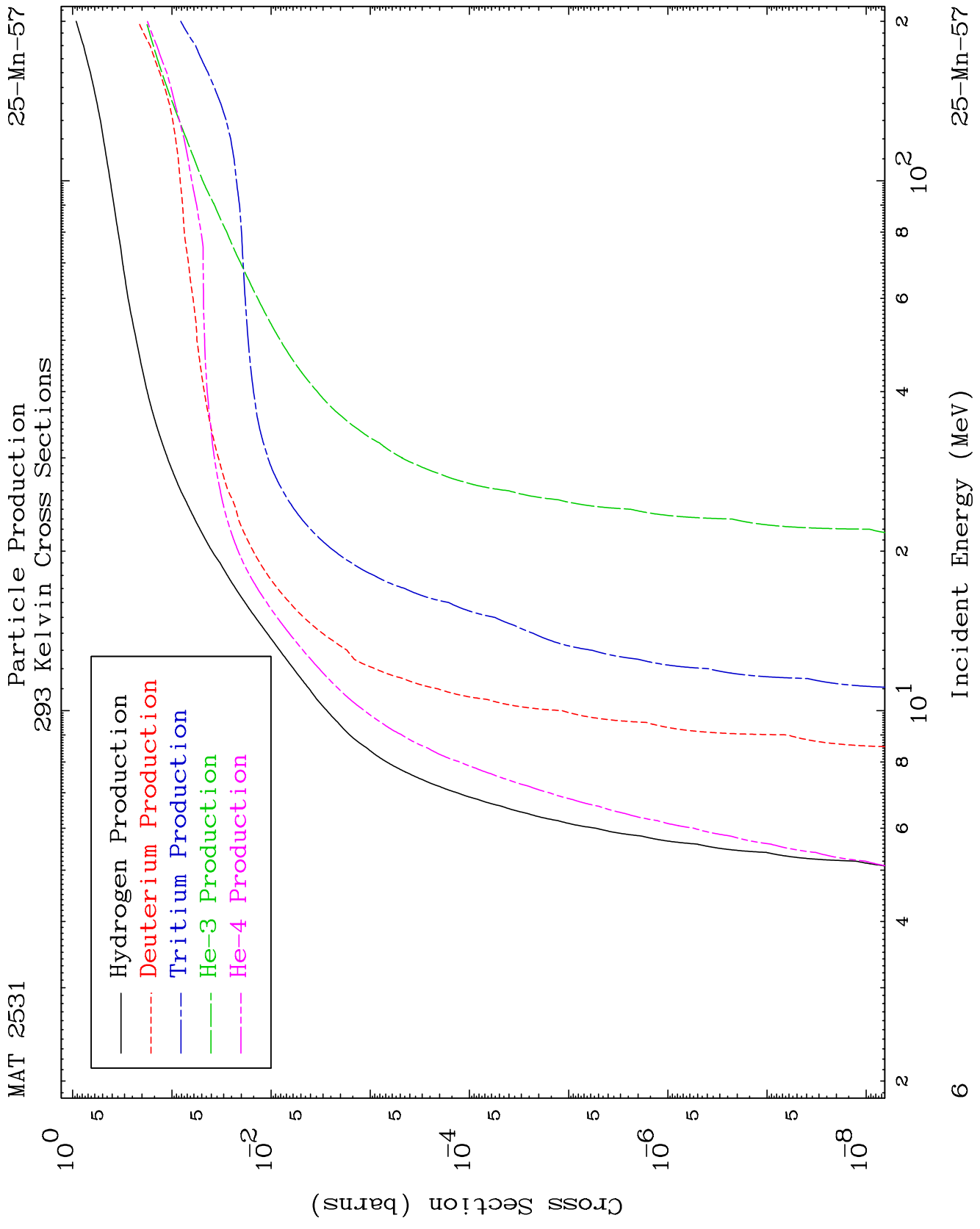
Incident Energy (MeV)

25-Mn-57





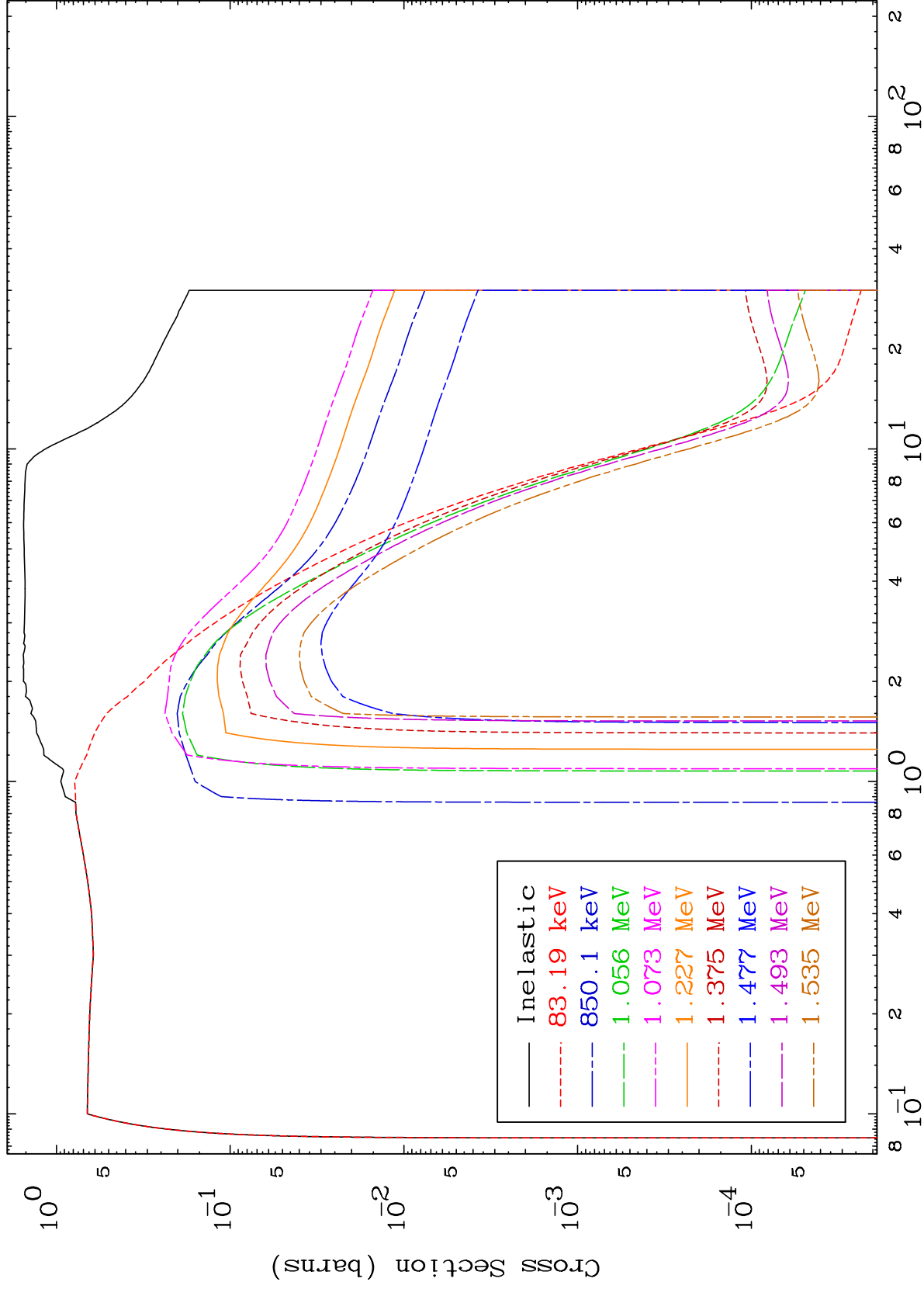




MAT 2531

25-Mn-57

(n,n') Level
293 Kelvin Cross Sections



25-Mn-57

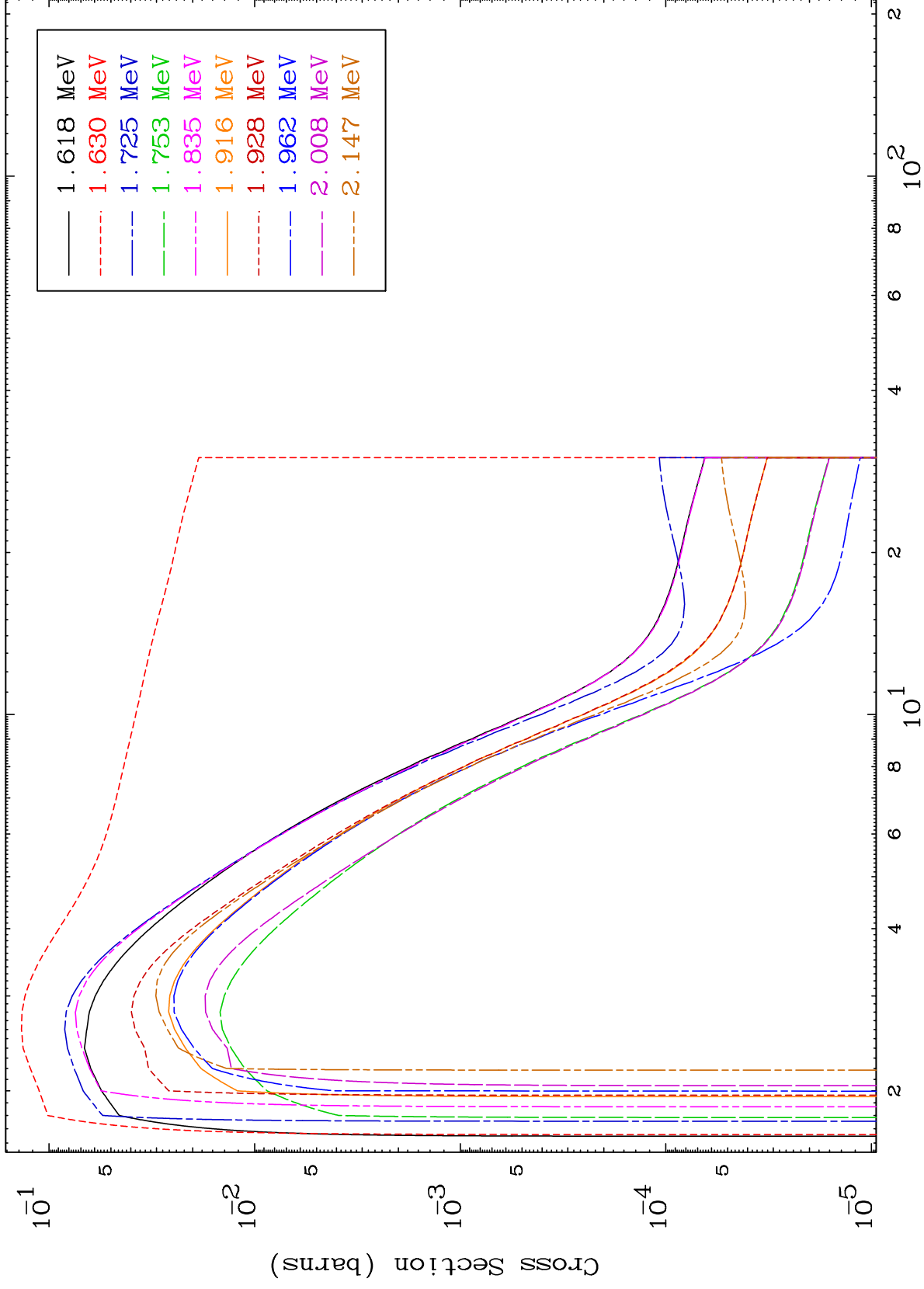
Incident Energy (MeV)

7

MAT 2531

(n,n') Level
293 Kelvin Cross Sections

25-Mn-57



8

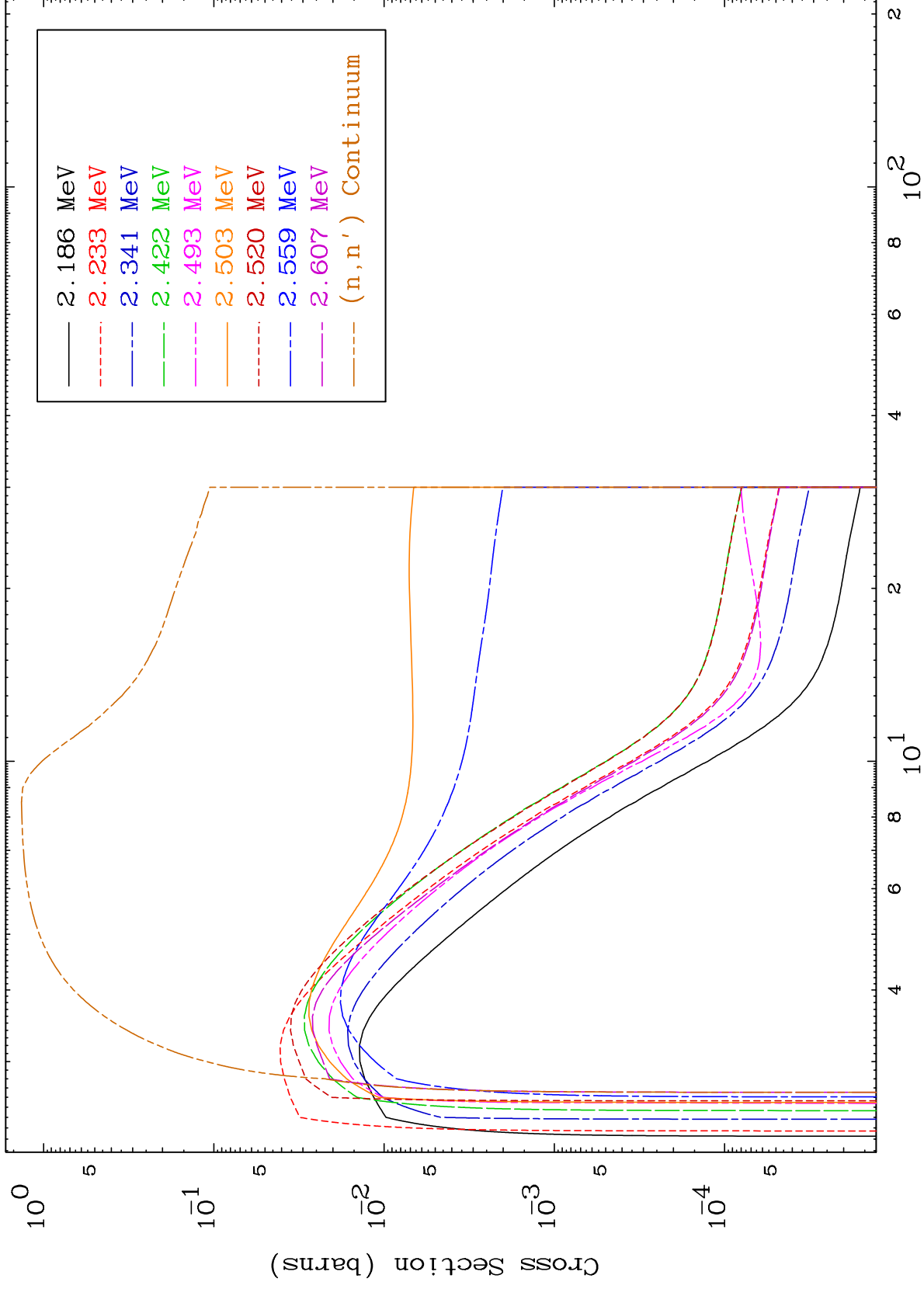
Incident Energy (MeV)

25-Mn-57

MAT 2531

(n,n') Level
293 Kelvin Cross Sections

25-Mn-57



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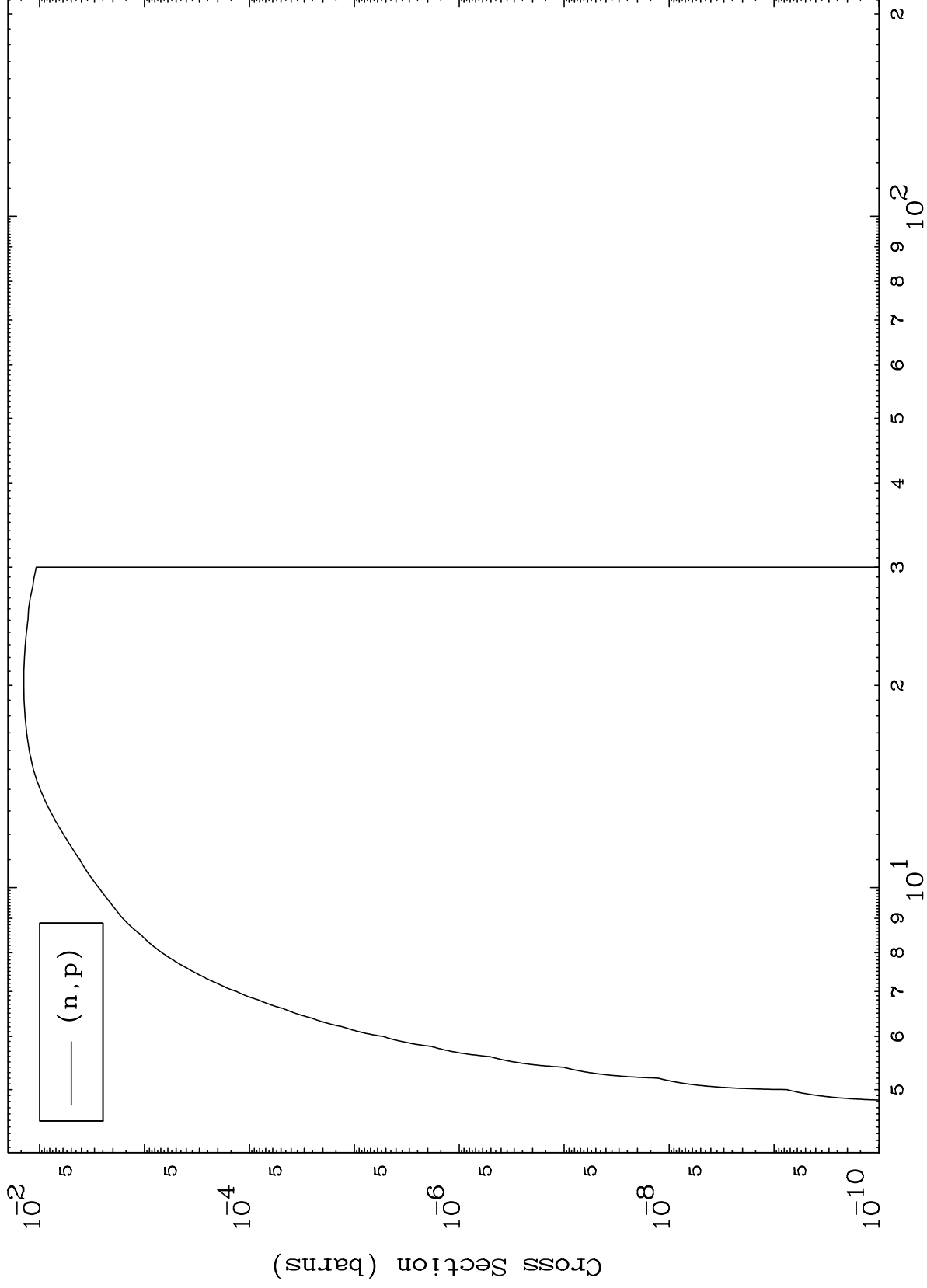
Incident Energy (MeV)

25-Mn-57

MAT 2531

(n,p) Levels
293 Kelvin Cross Sections

25-Mn-57



10

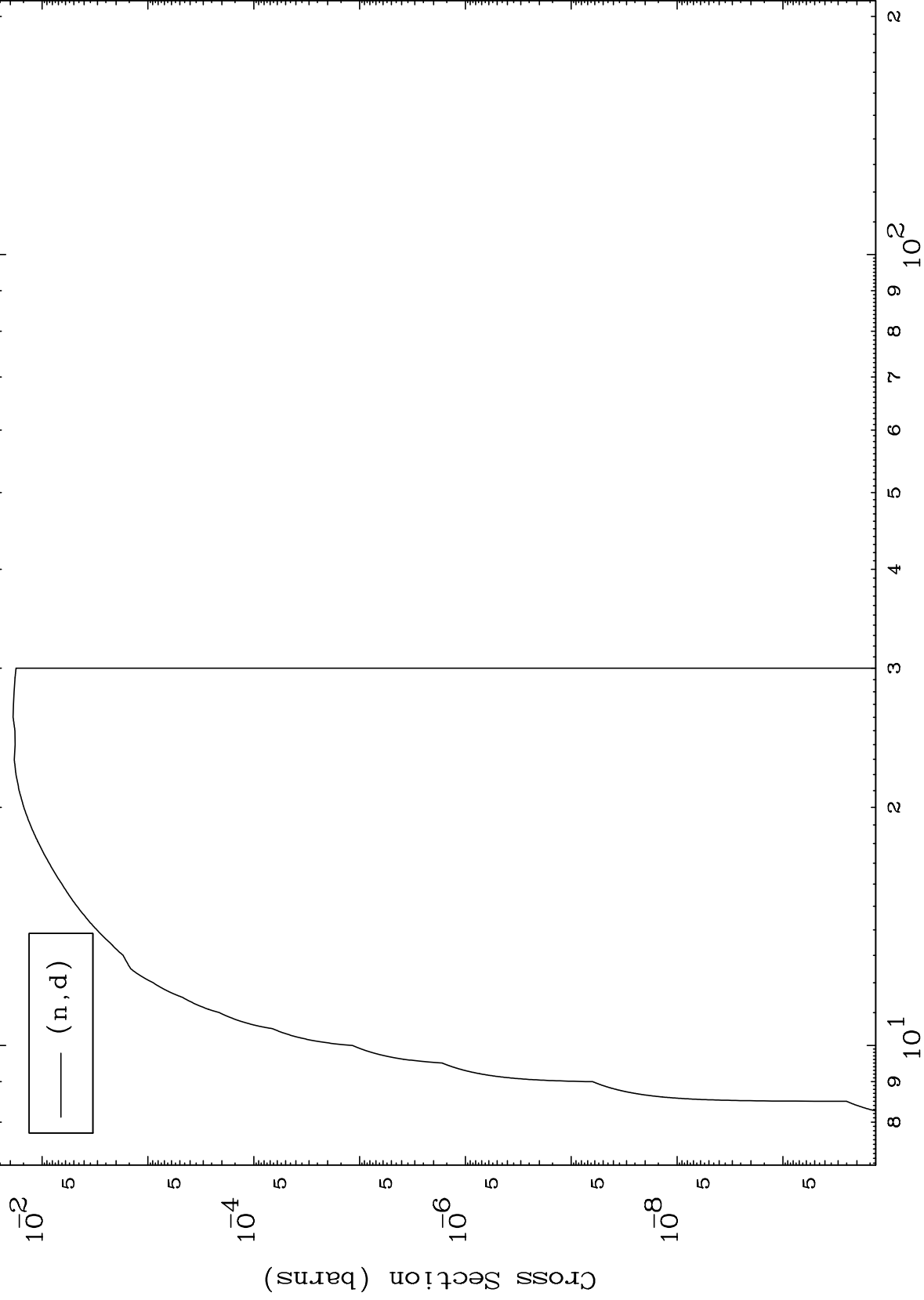
Incident Energy (MeV)

25-Mn-57

MAT 2531

(n,d) Levels
293 Kelvin Cross Sections

25-Mn-57



11

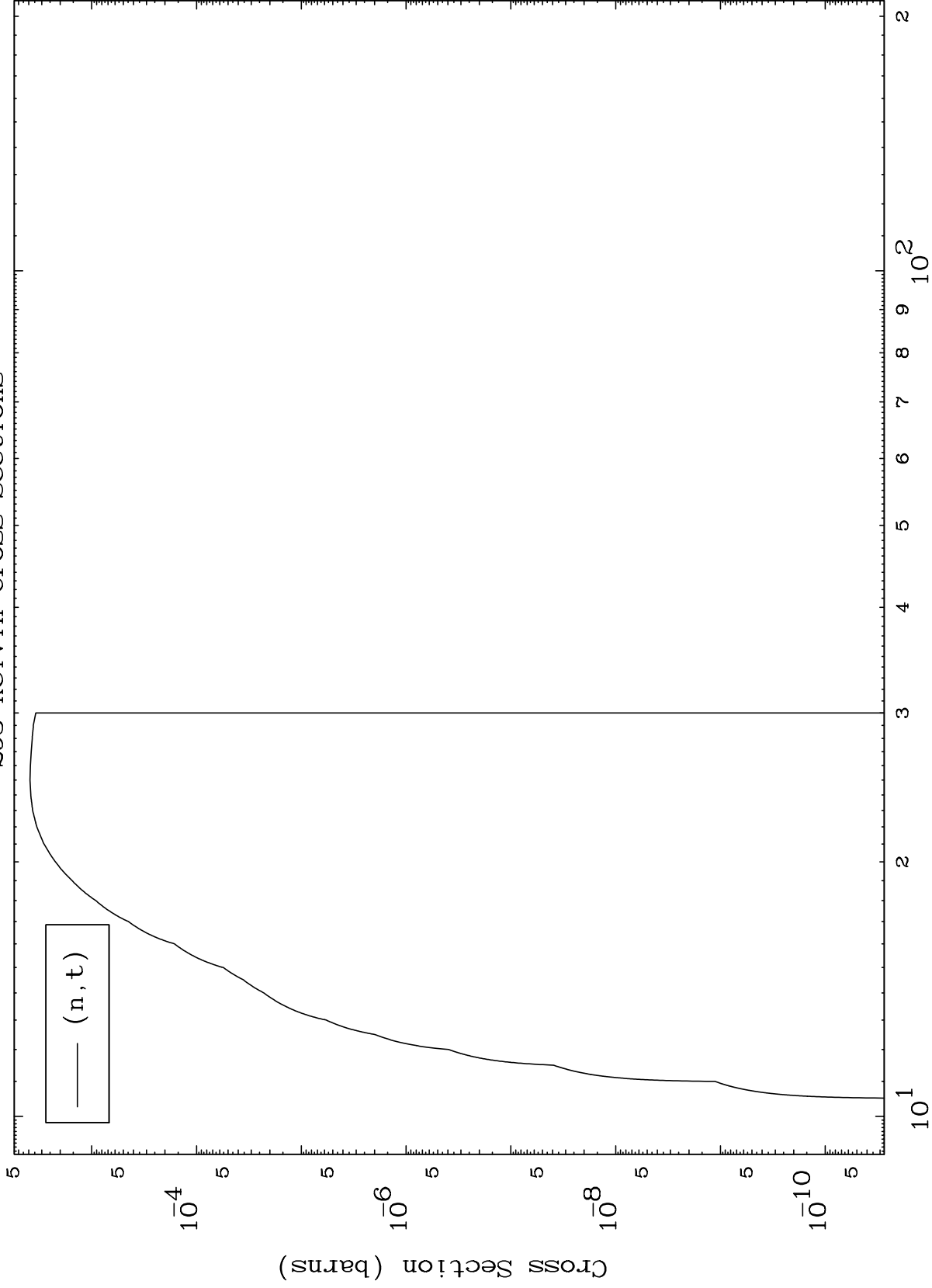
Incident Energy (MeV)

25-Mn-57

MAT 2531

(n,t) Levels
293 Kelvin Cross Sections

25-Mn-57



12

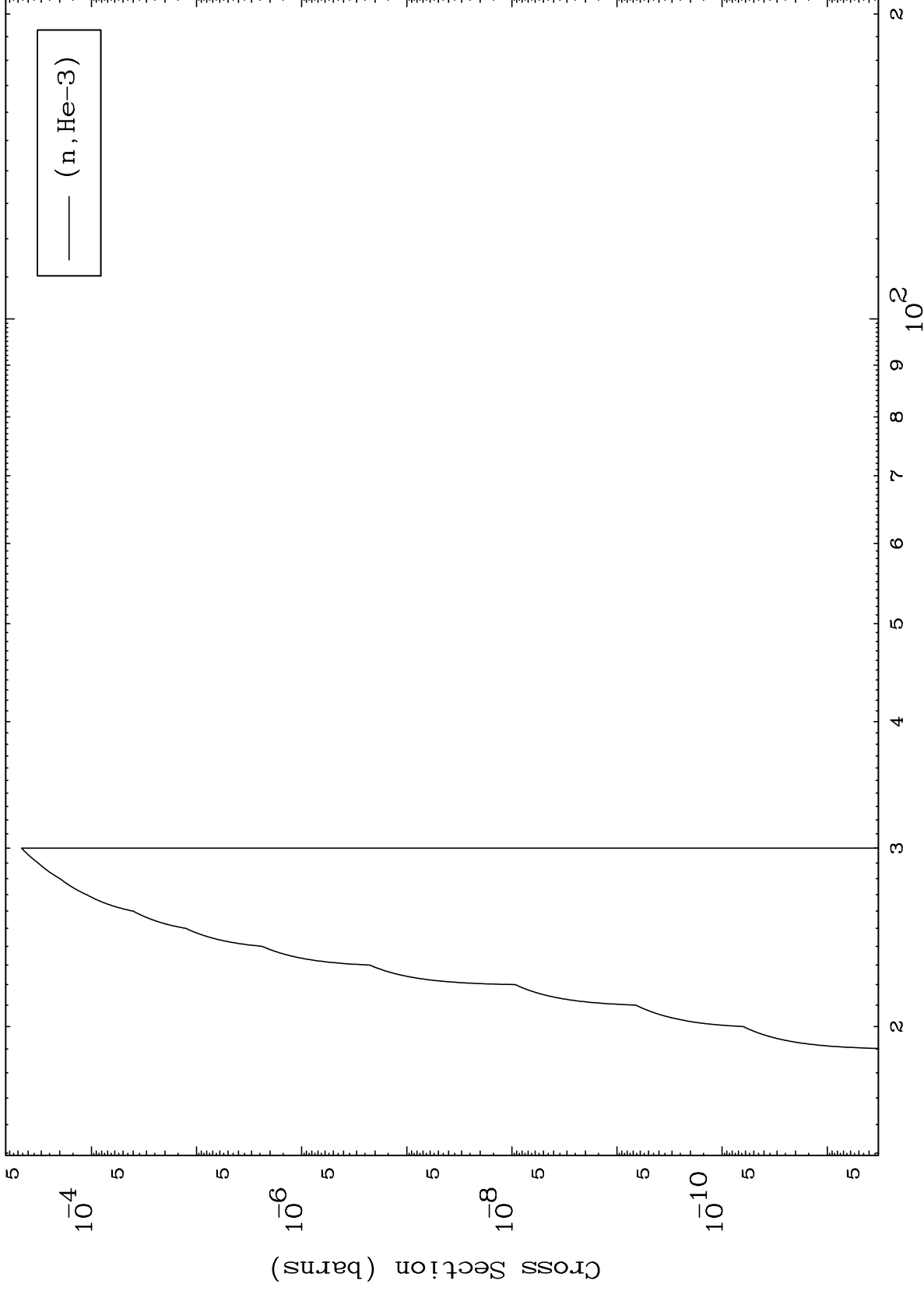
Incident Energy (MeV)

25-Mn-57

MAT 2531

(n,He3) Levels
293 Kelvin Cross Sections

25-Mn-57



13

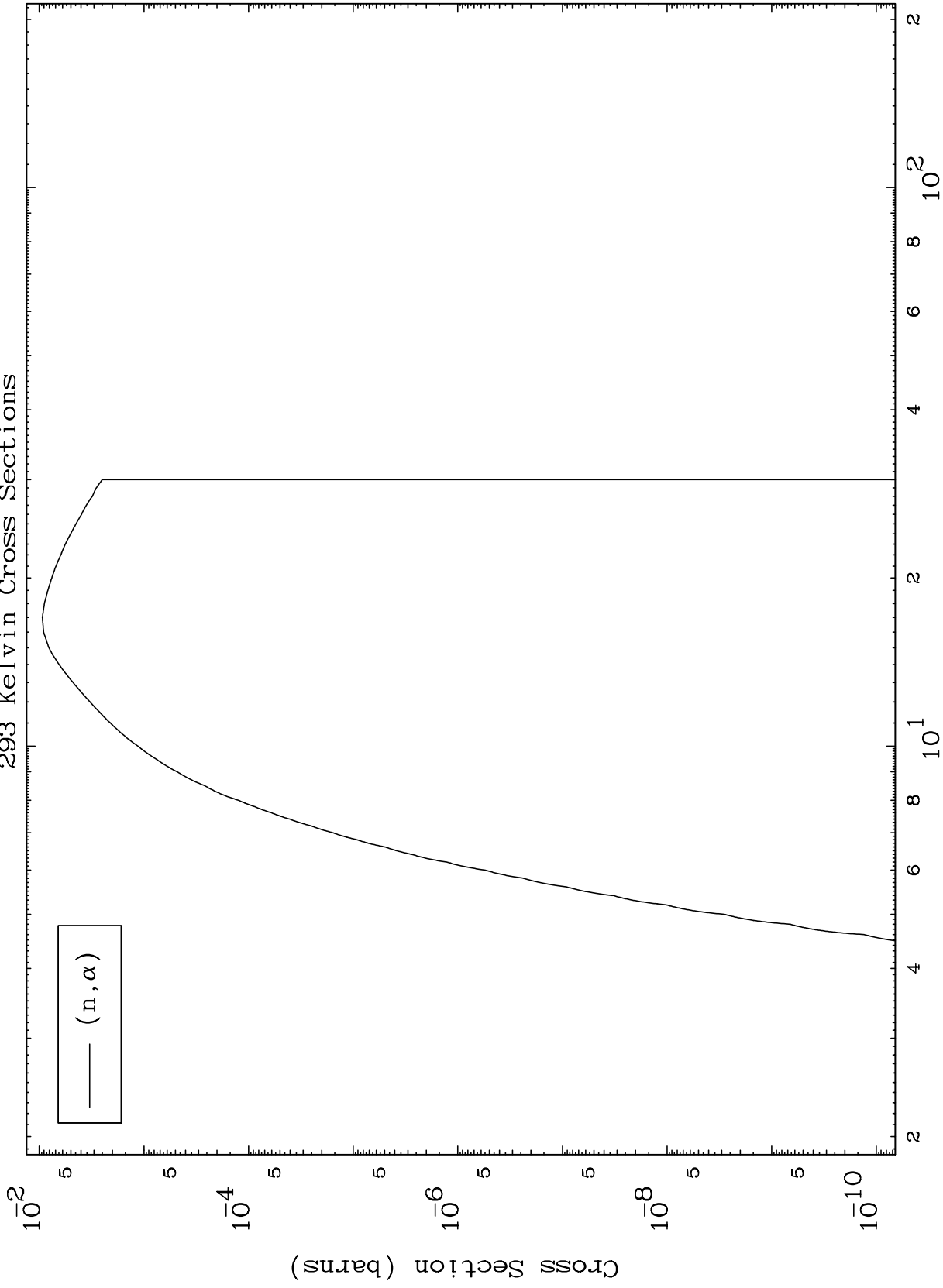
Incident Energy (MeV)

25-Mn-57

MAT 2531

(n, α) Levels
293 Kelvin Cross Sections

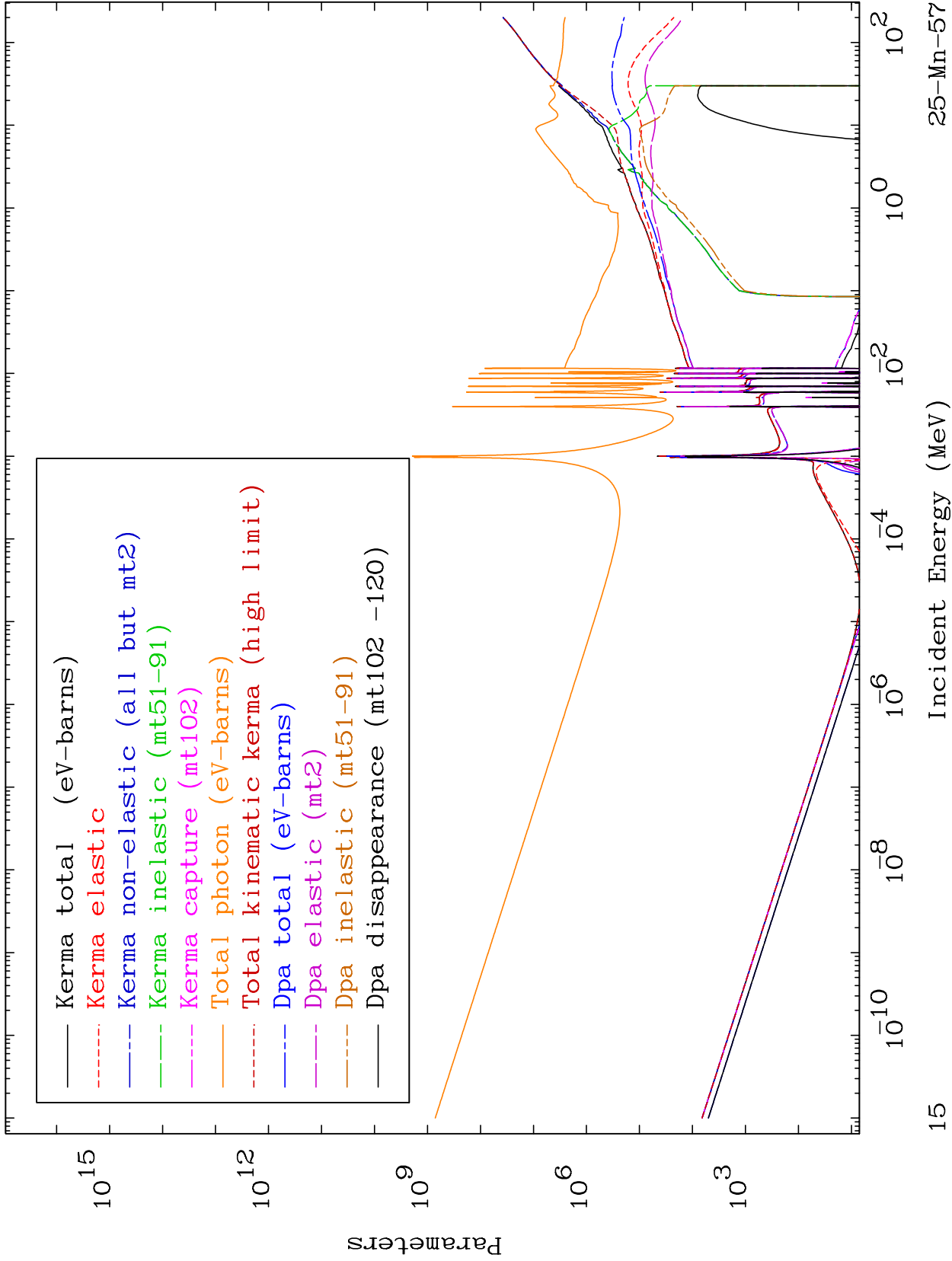
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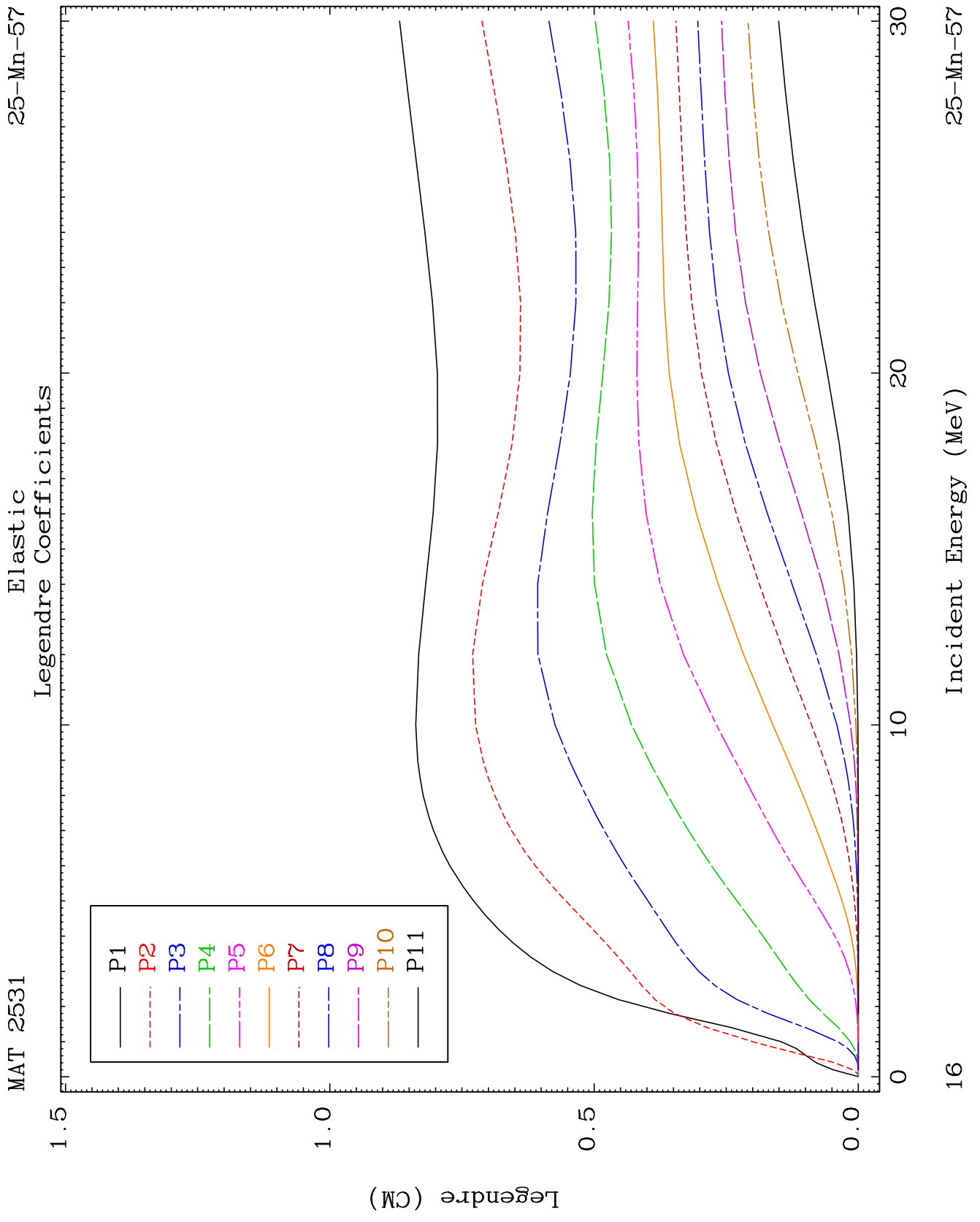


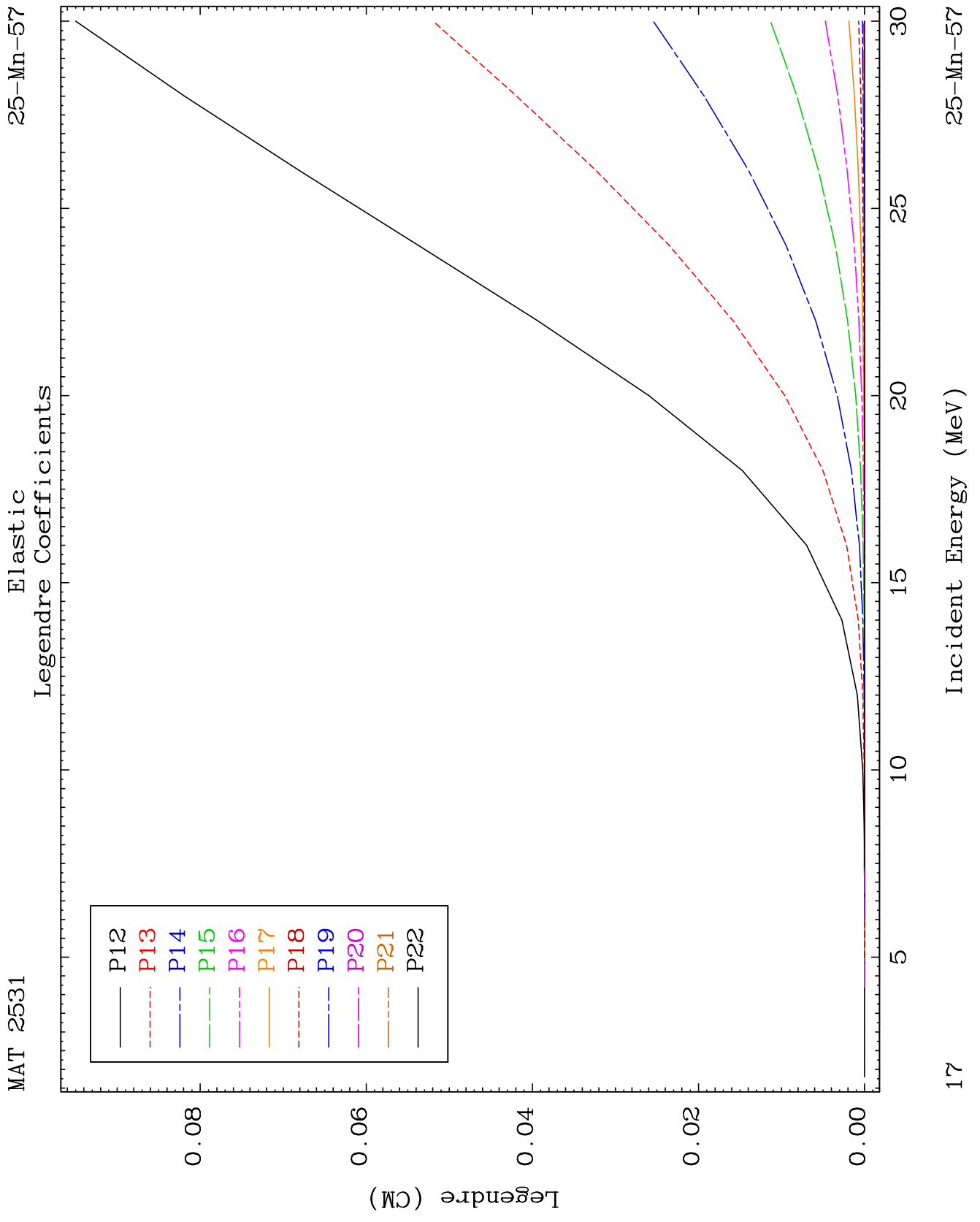
14

Incident Energy (MeV)

25-Mn-57



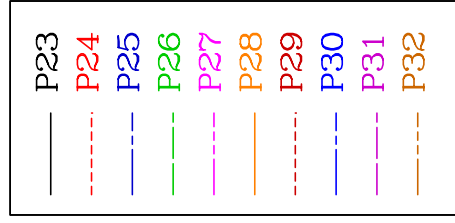




MAT 2531

Elastic Legendre Coefficients

25-Mn-57



$\times 10^{-63}$

Legendre (CM)

1

0

15

20

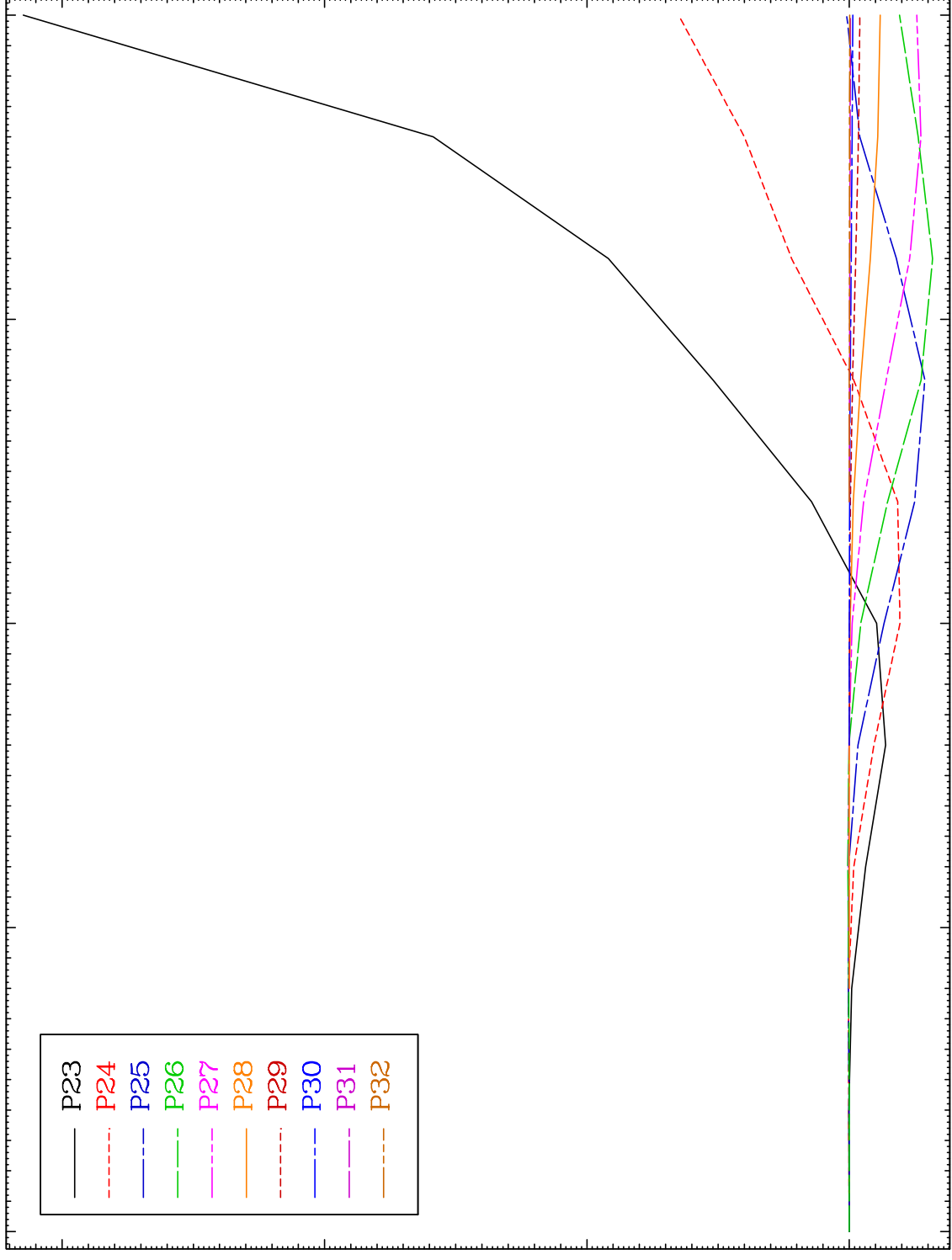
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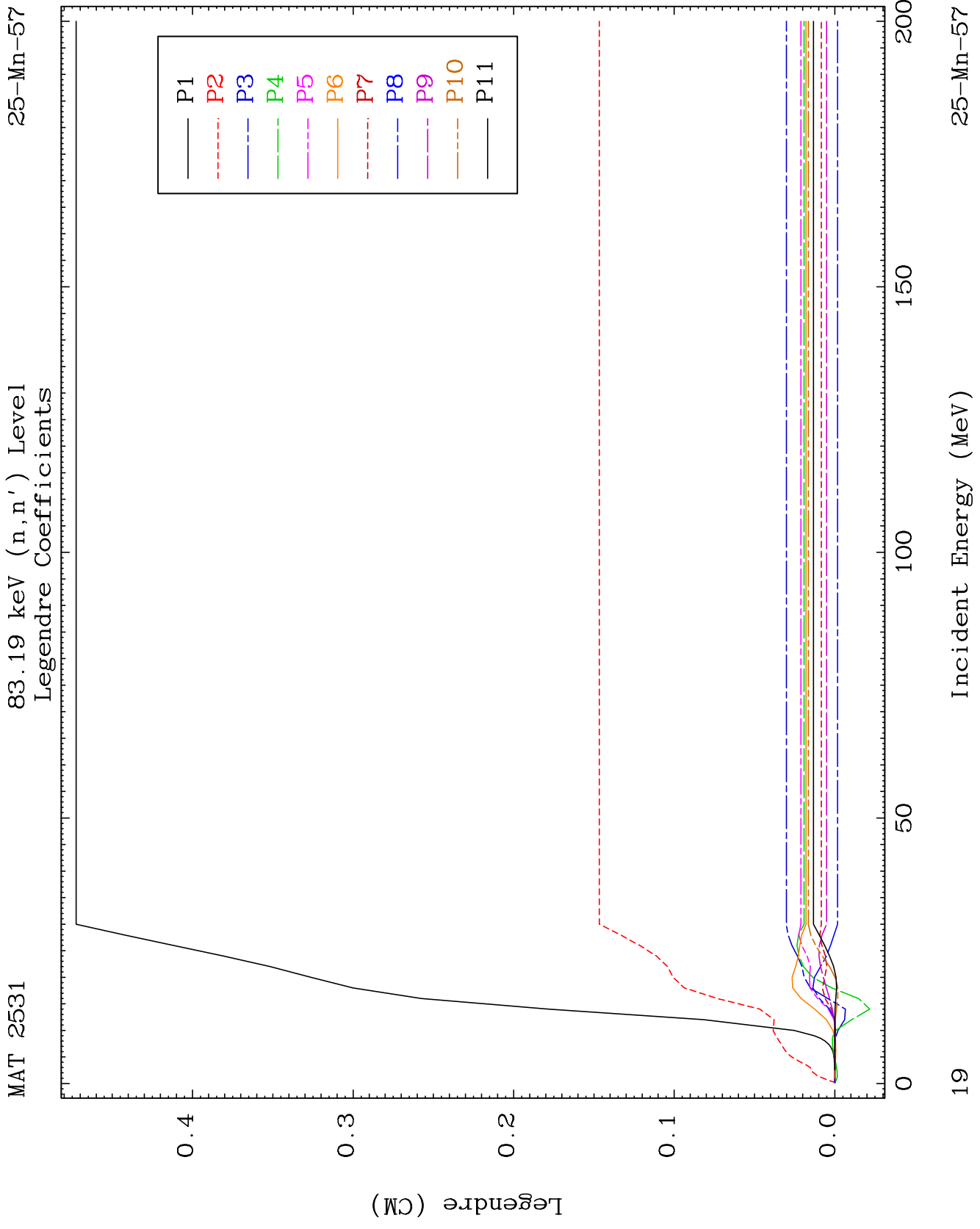
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18

Incident Energy (MeV)

25-Mn-57

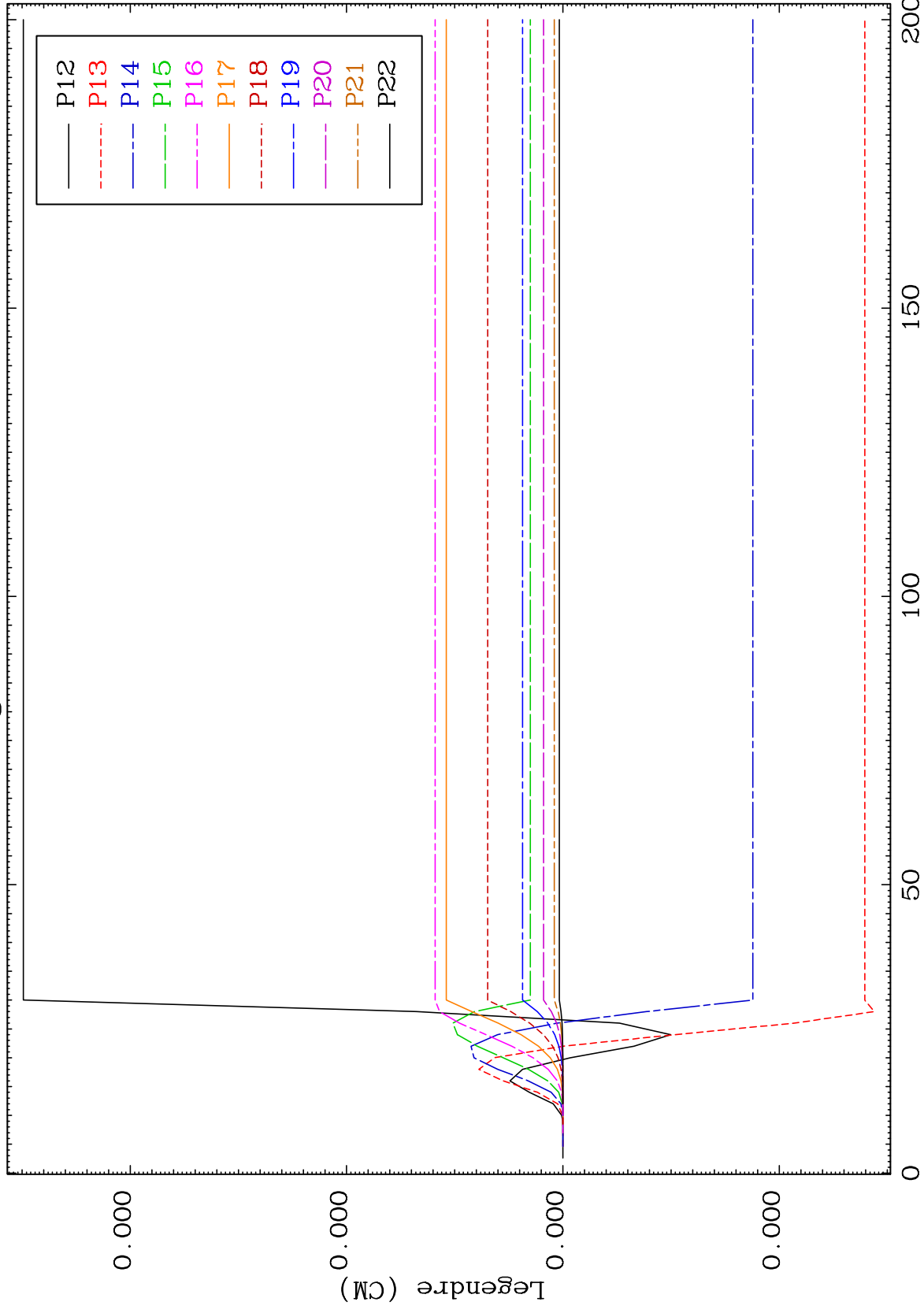




MAT 2531

83.19 keV (n,n') Level
Legendre Coefficients

25-Mn-57

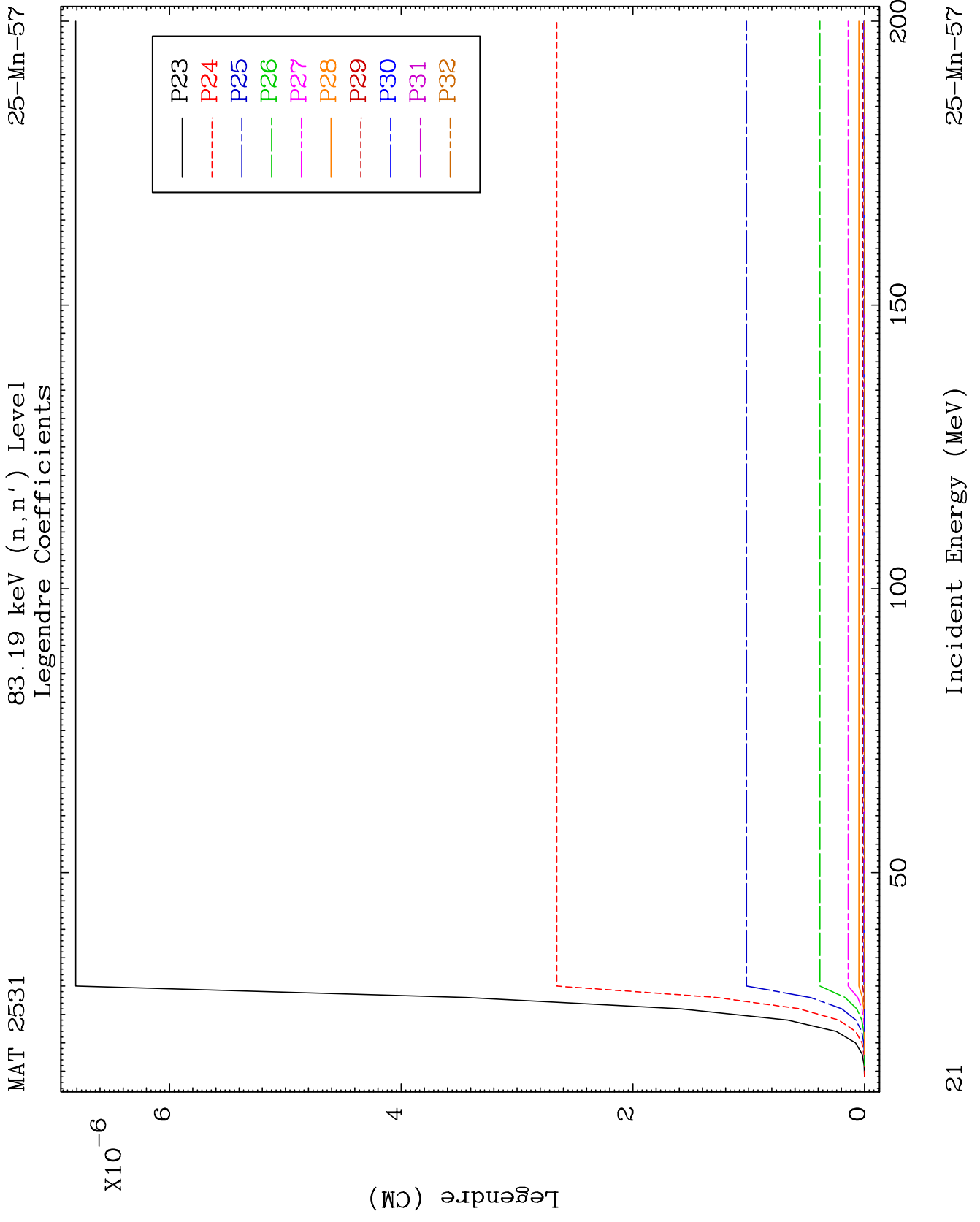


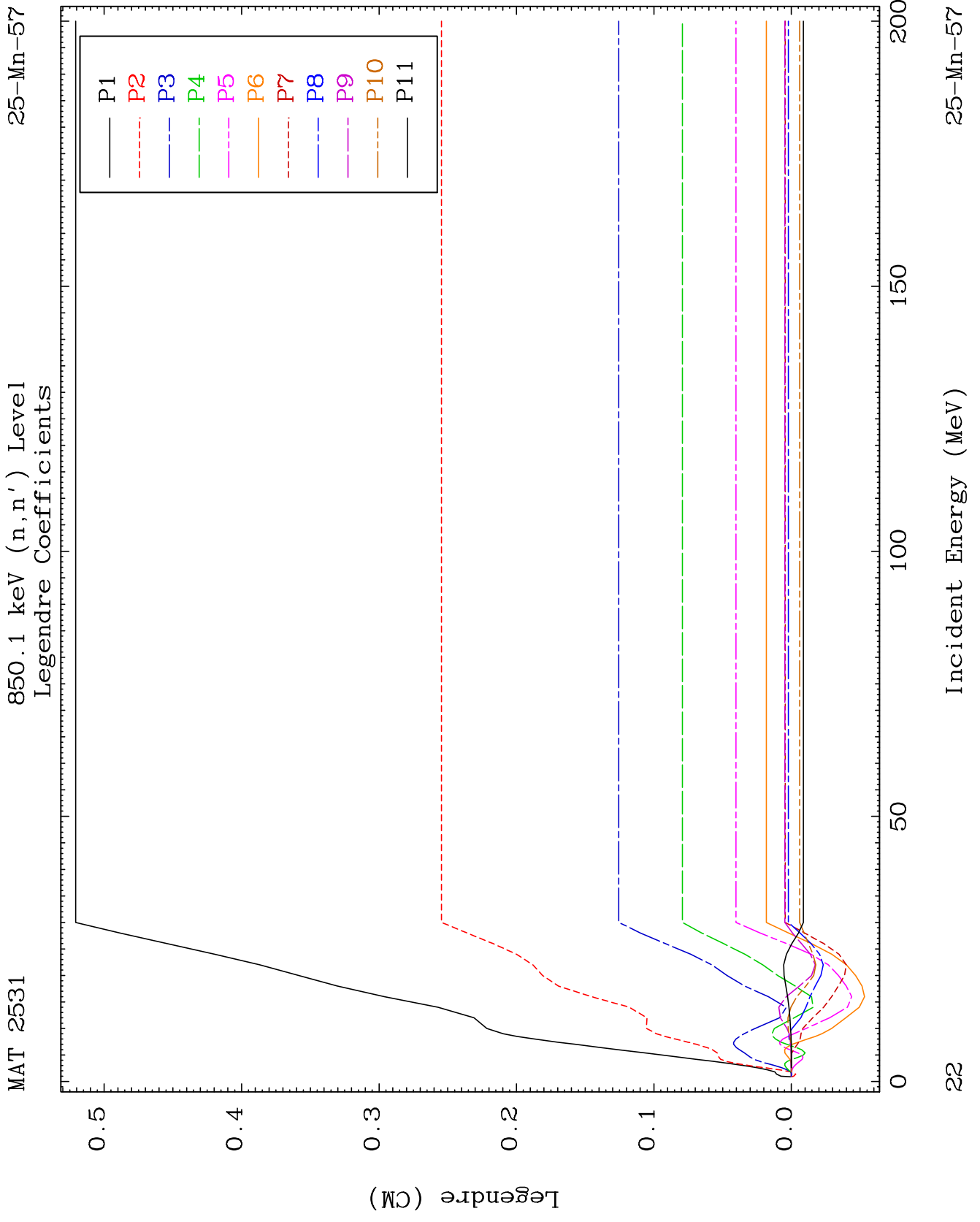
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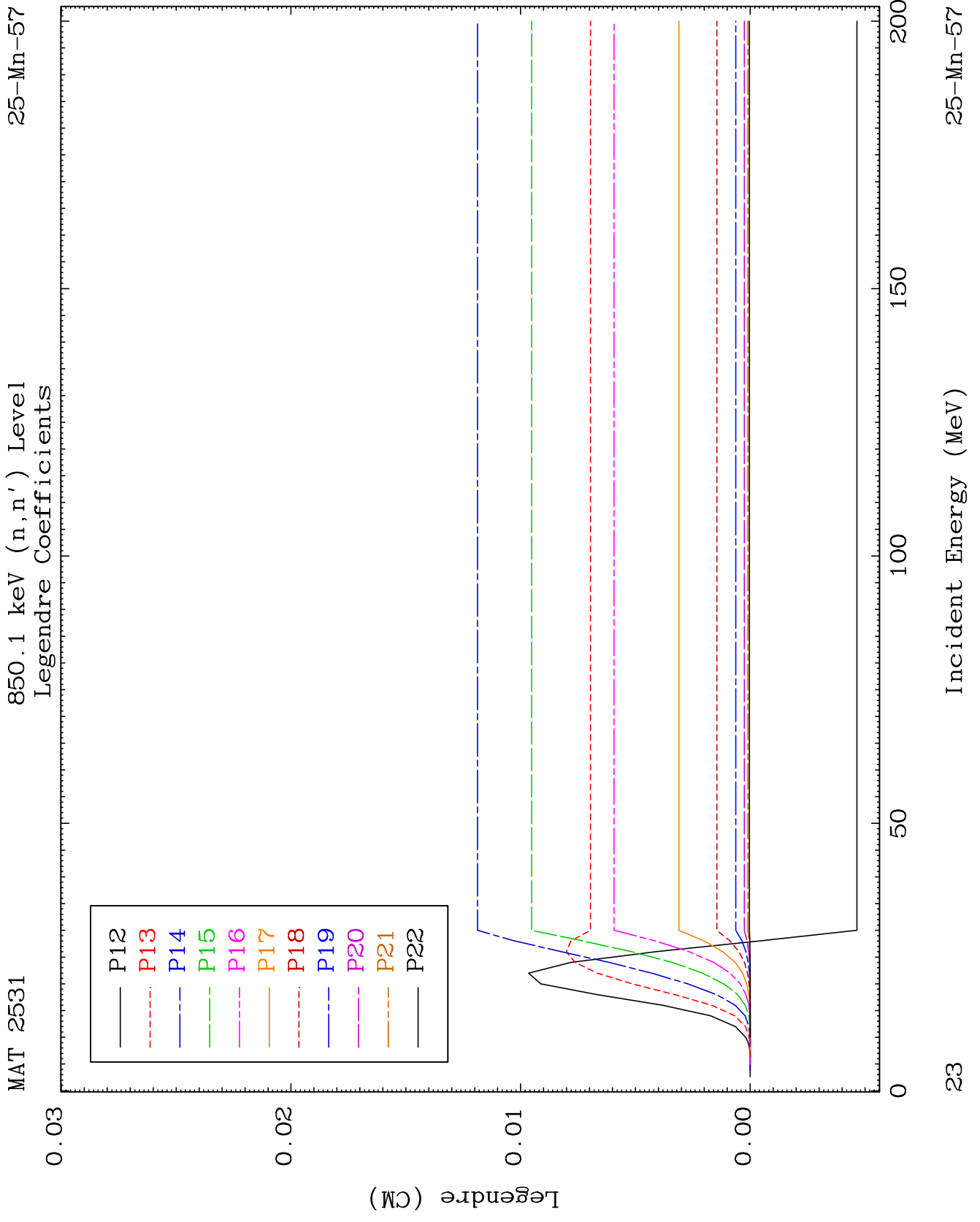
Incident Energy (MeV)

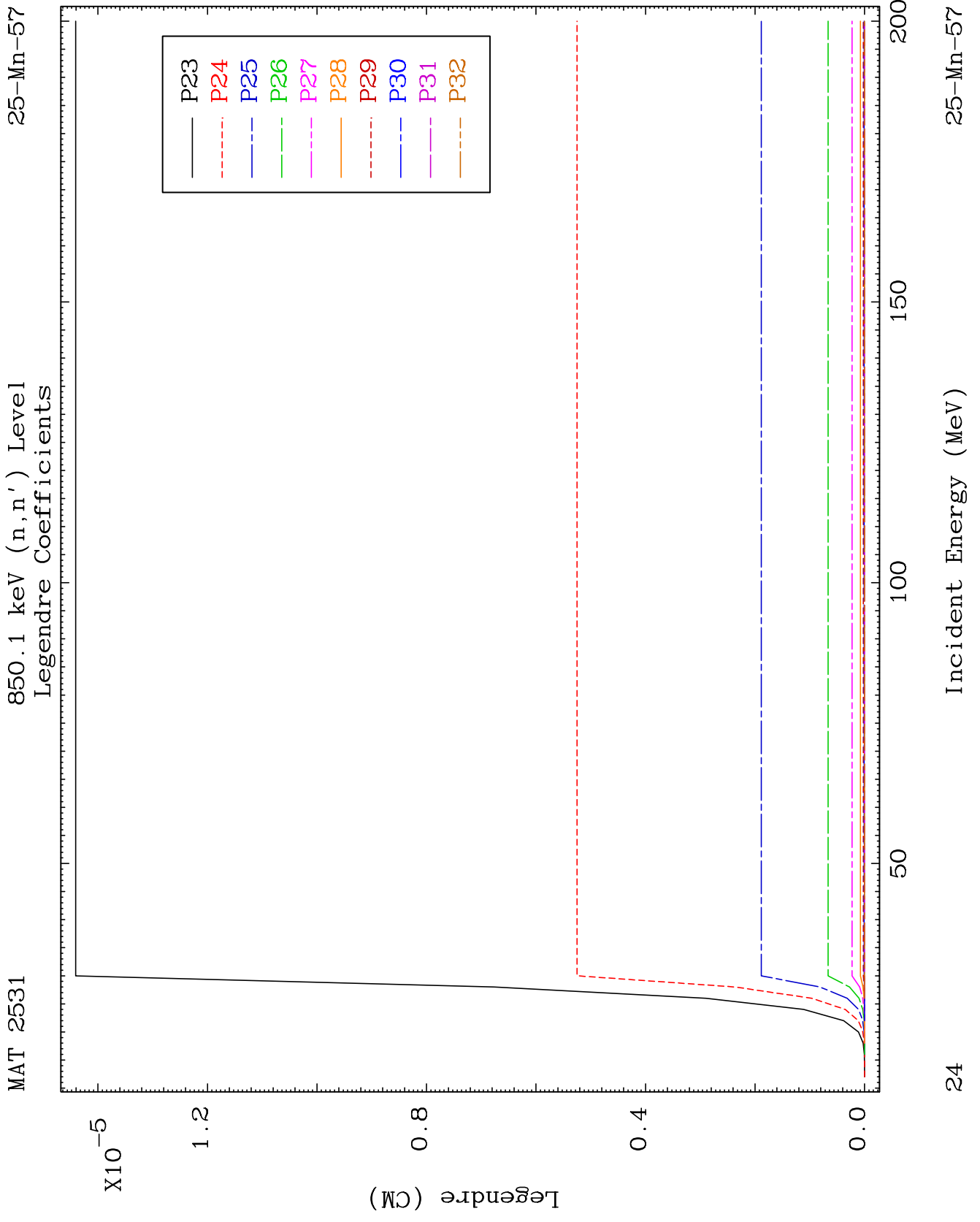
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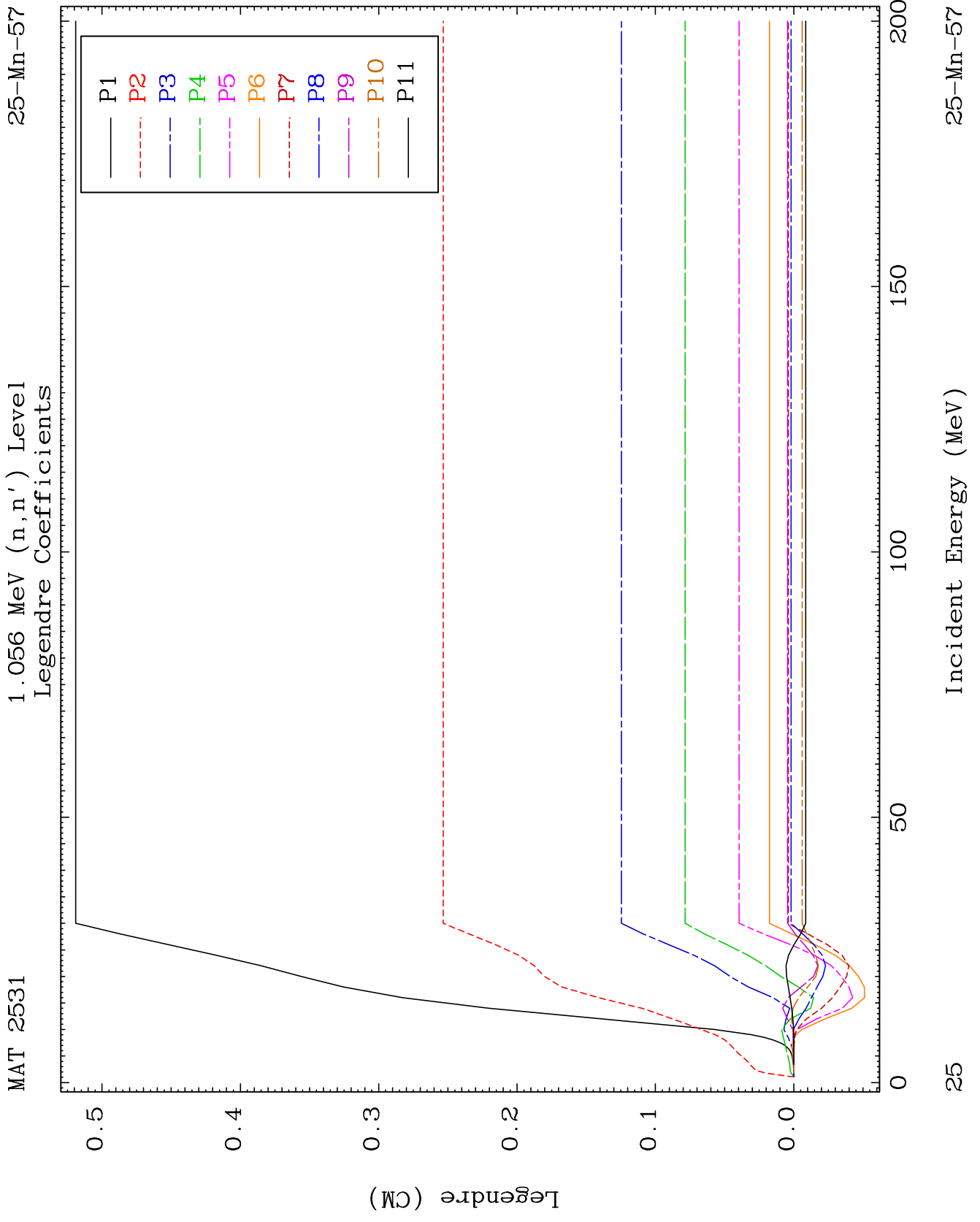
25-Mn-57

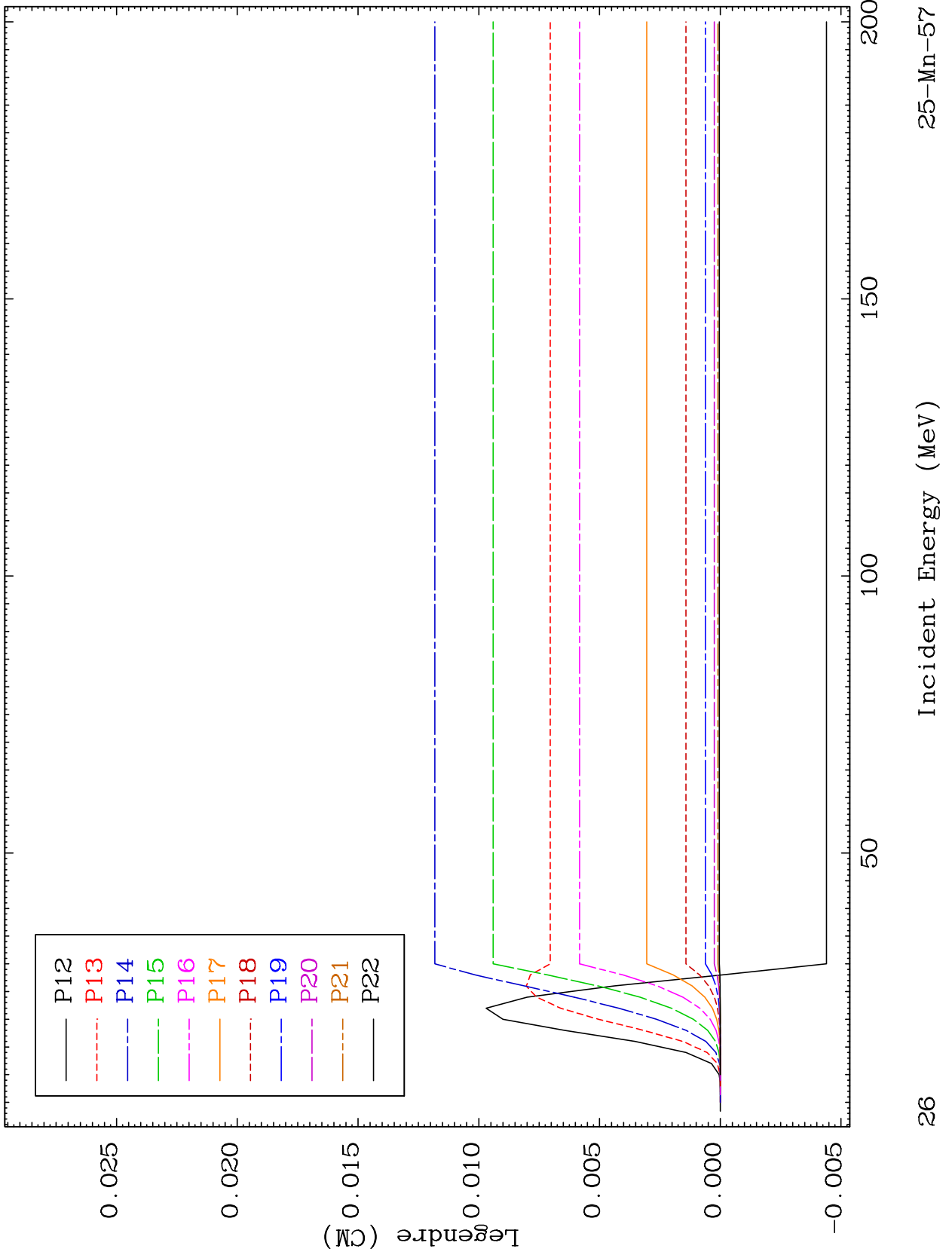


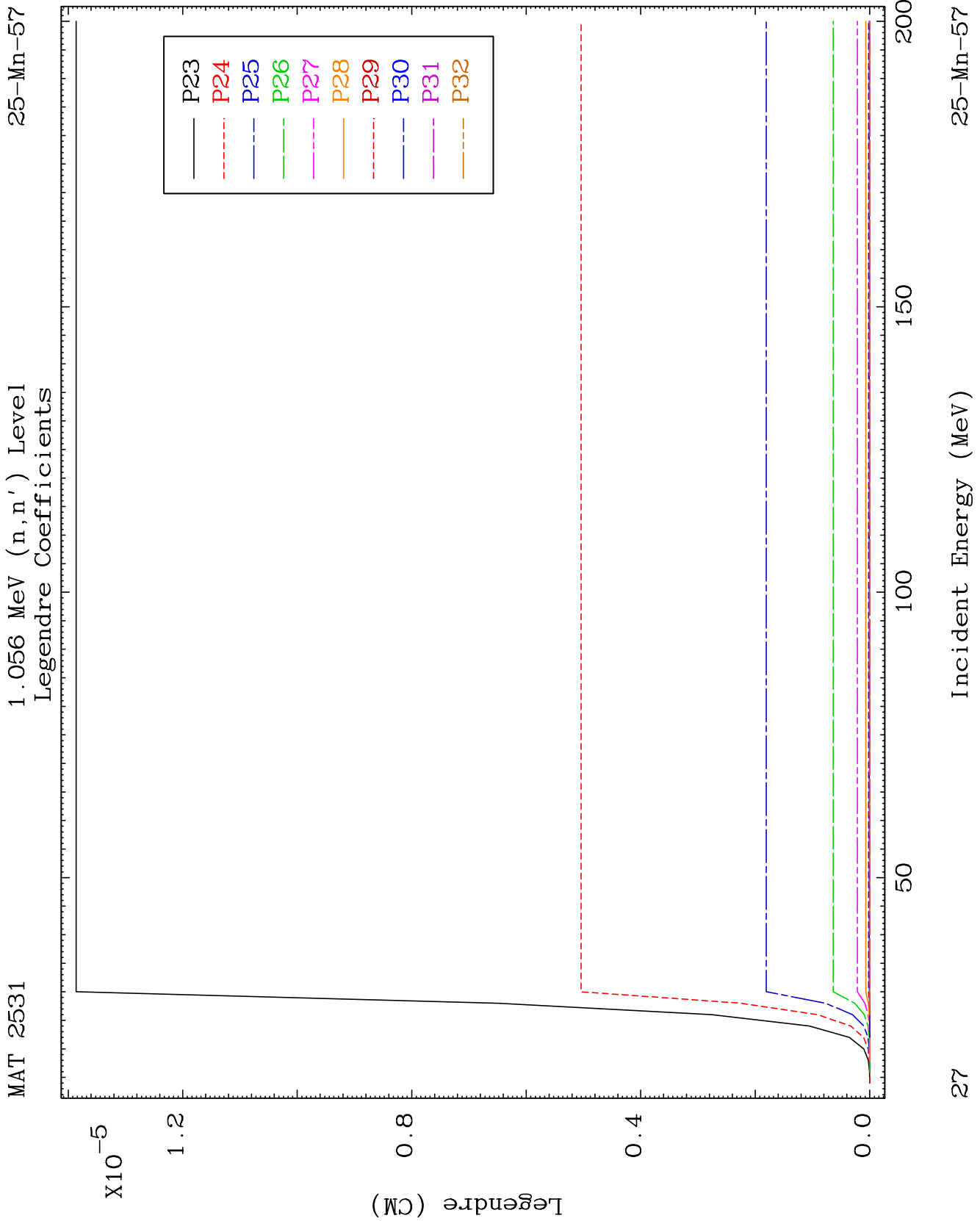








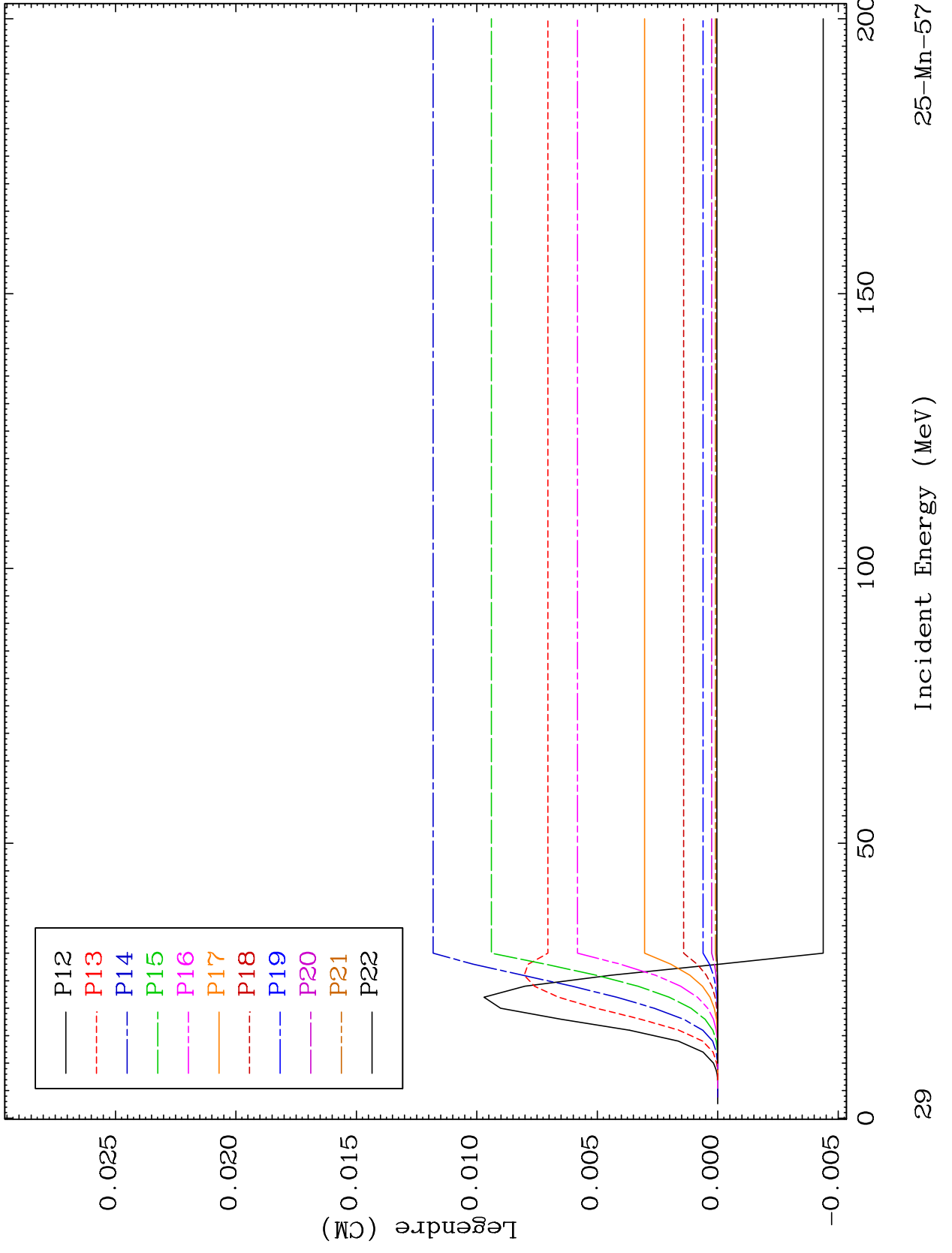




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1.073 MeV (n, n') Level
Legendre Coefficients

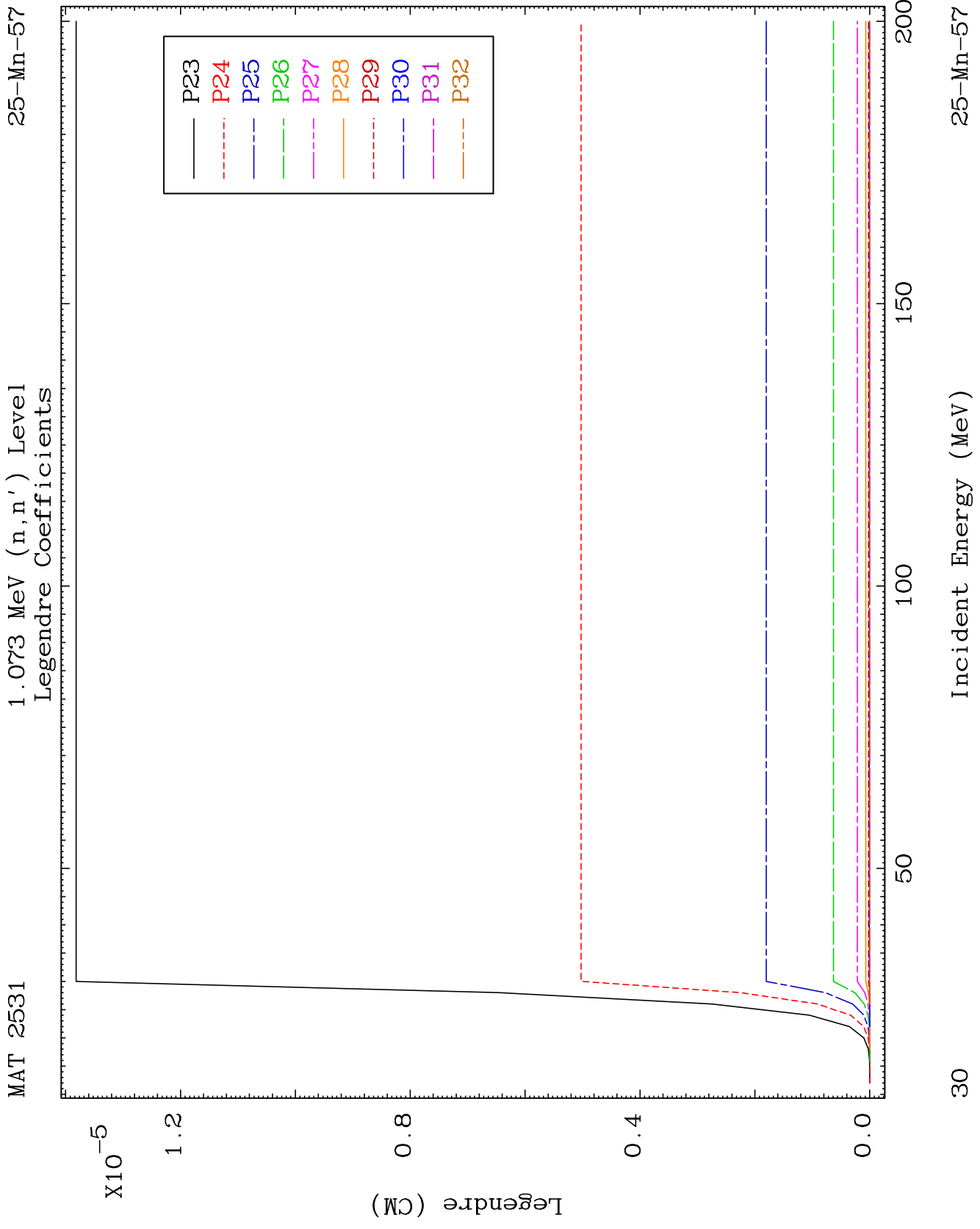
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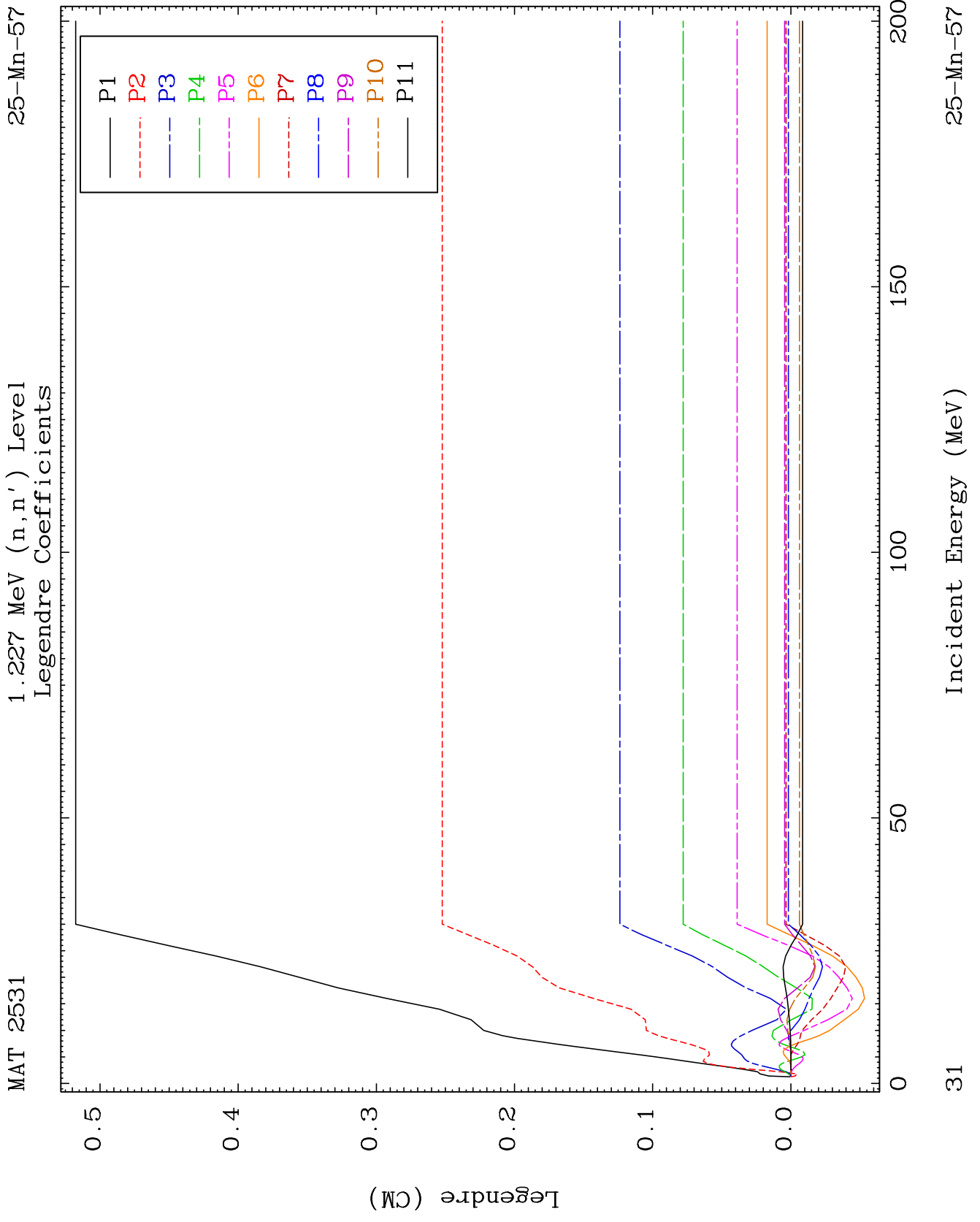


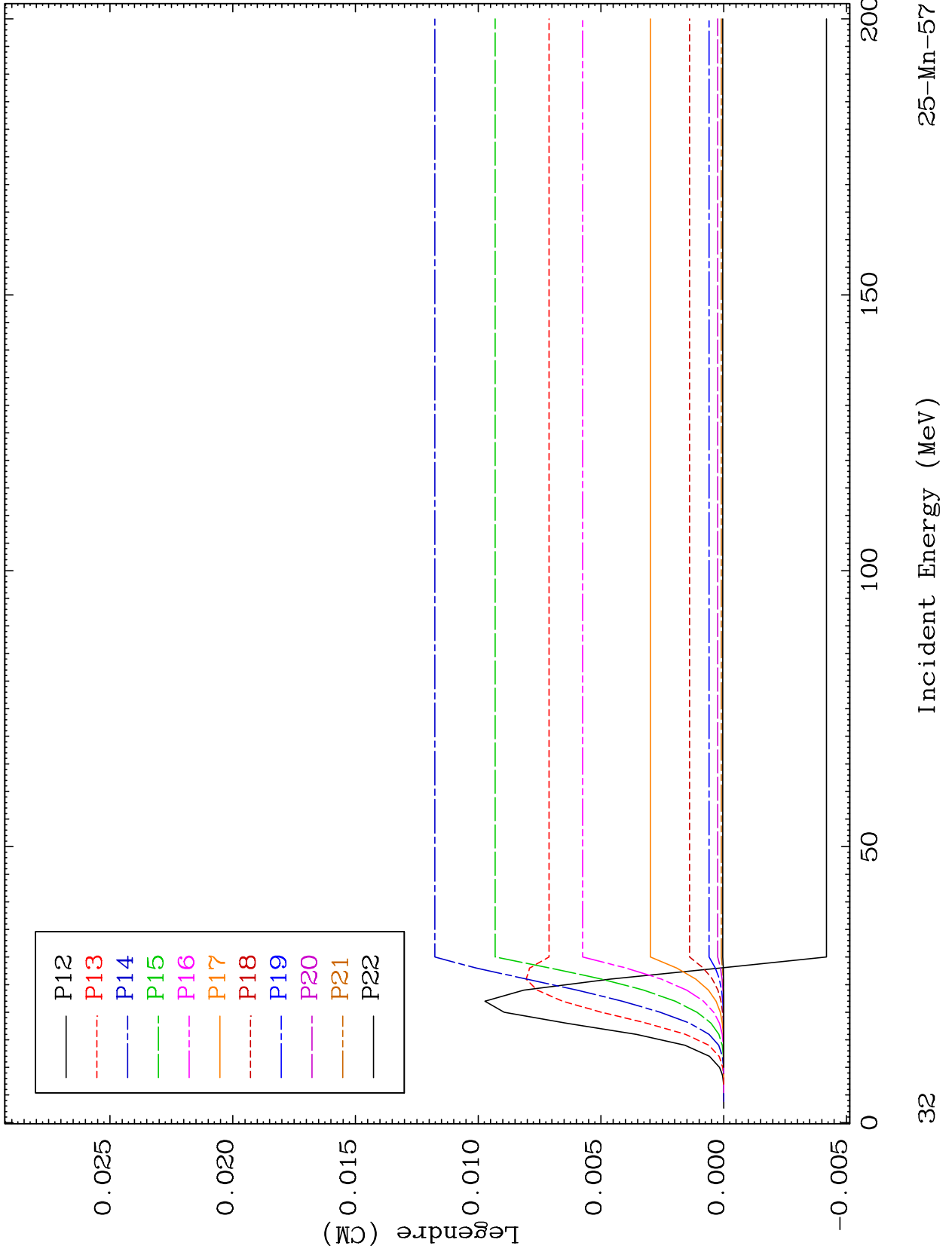
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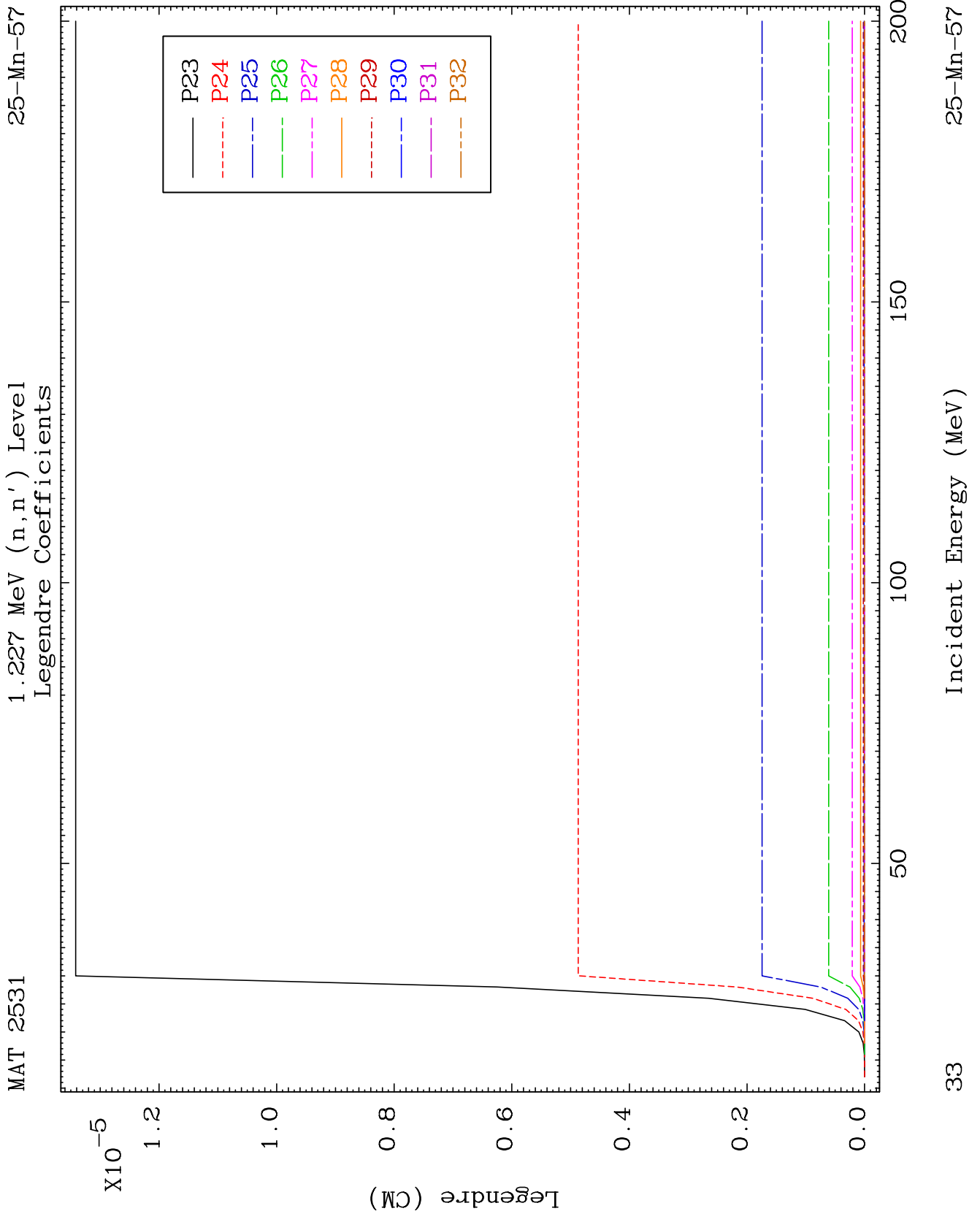
Incident Energy (MeV)

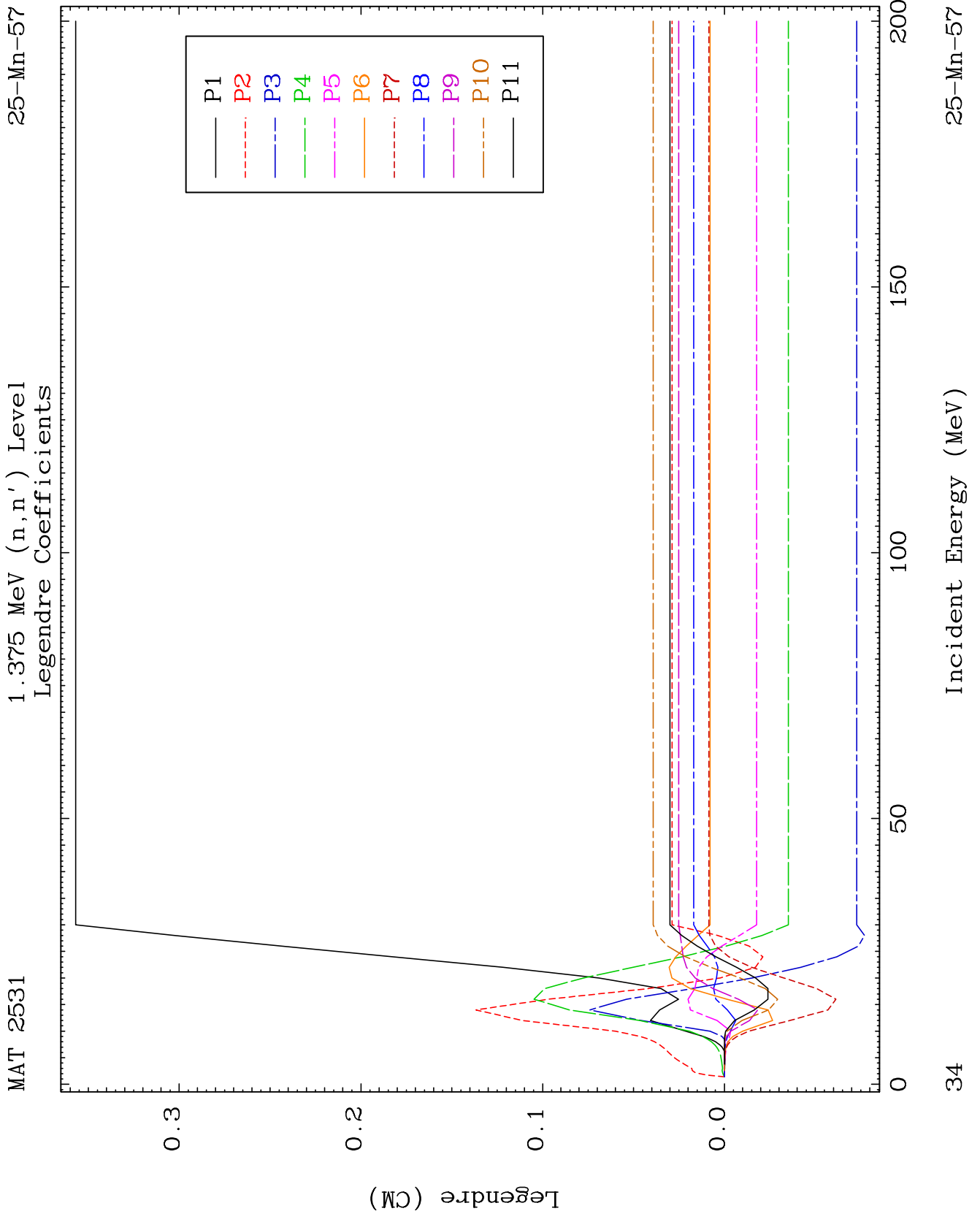
25-Mn-57







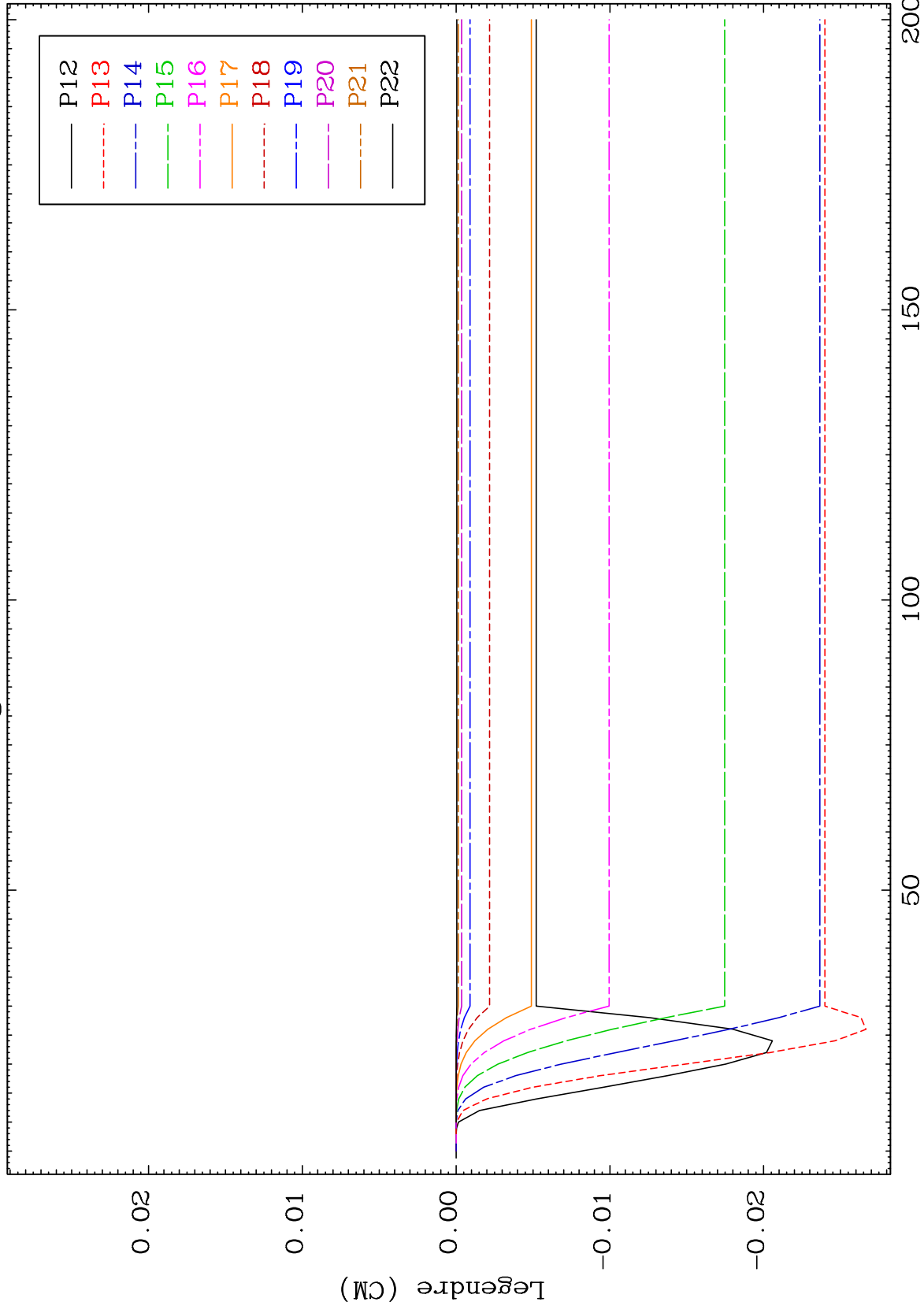




MAT 2531

1.375 MeV (n,n') Level
Legendre Coefficients

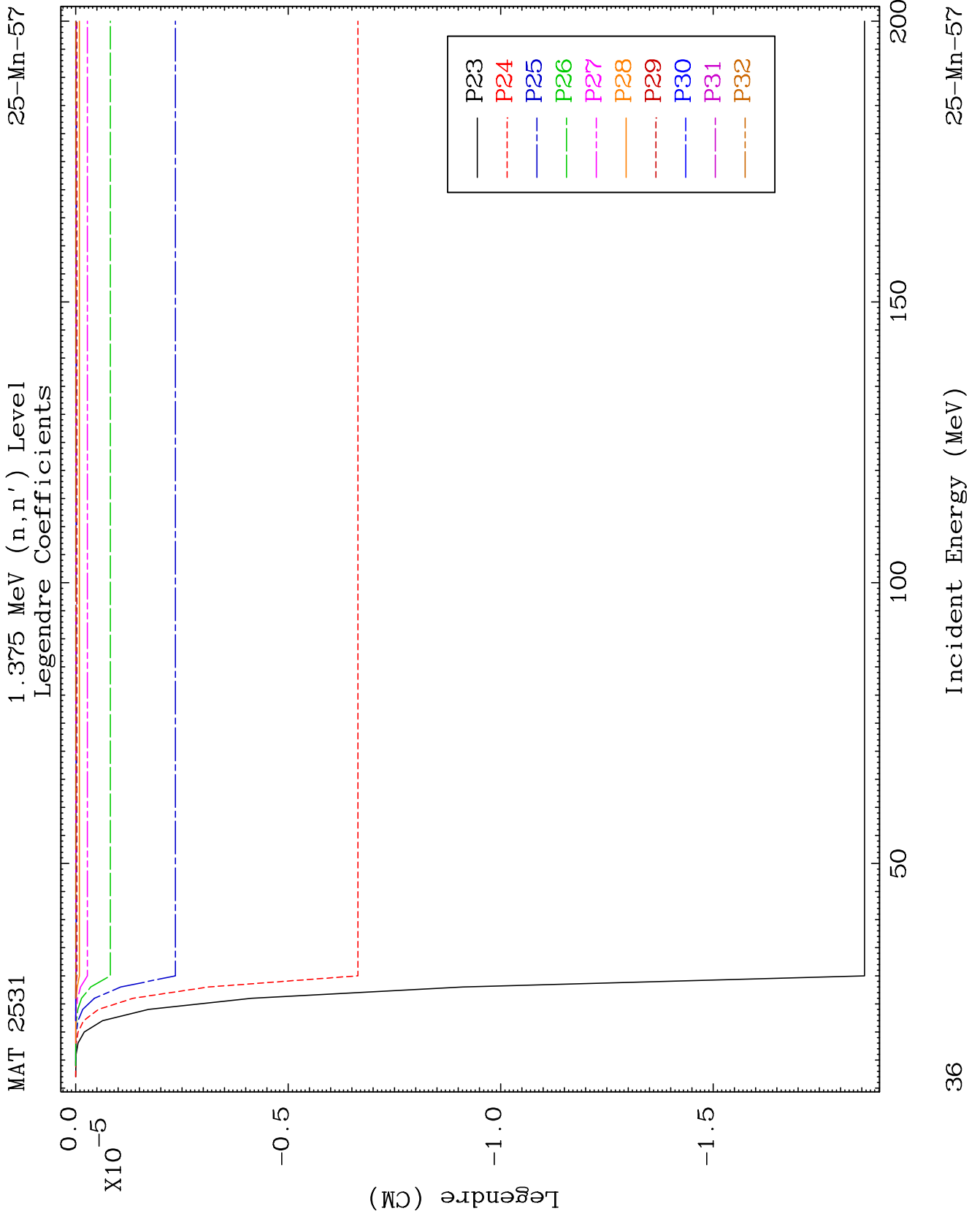
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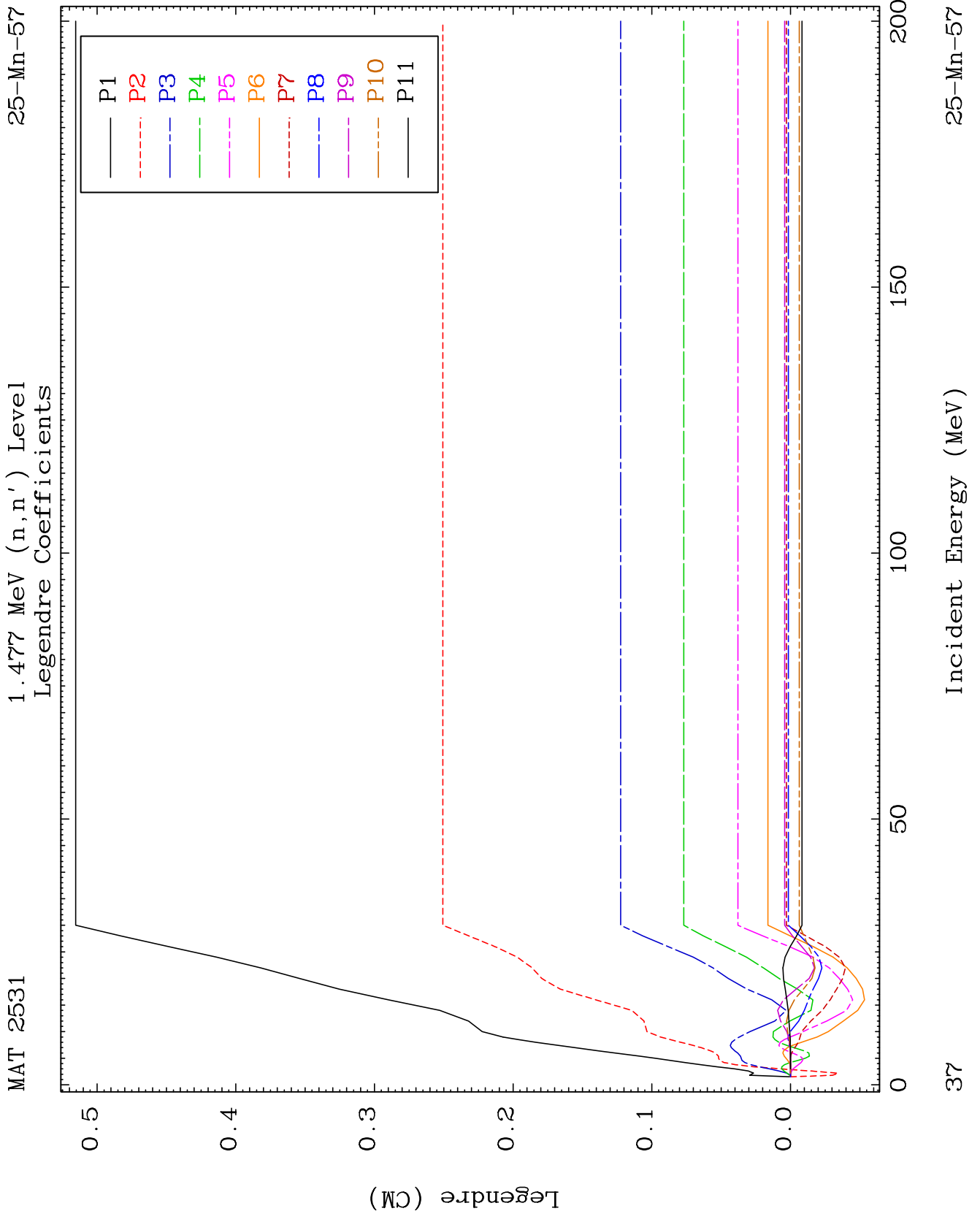


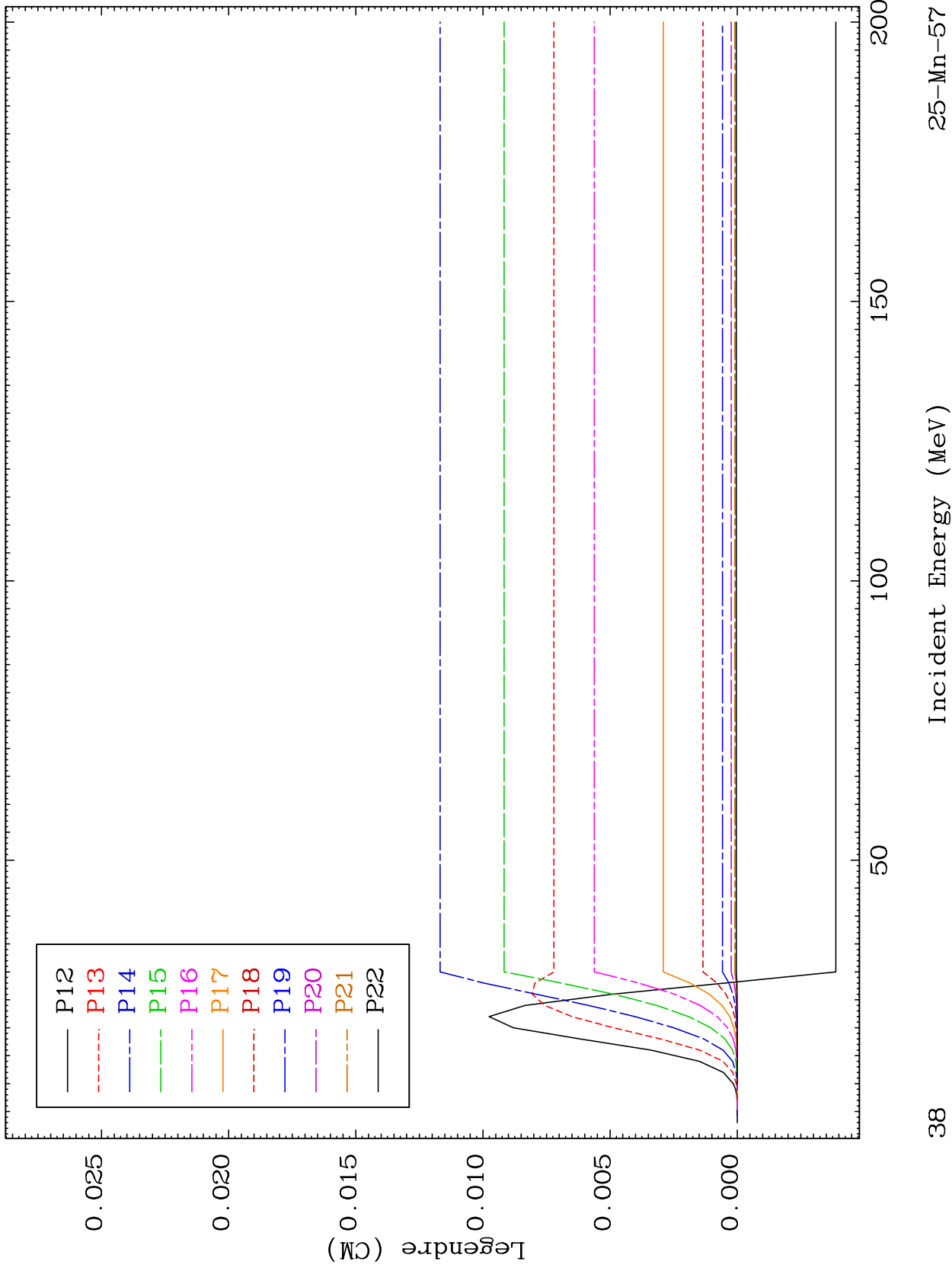
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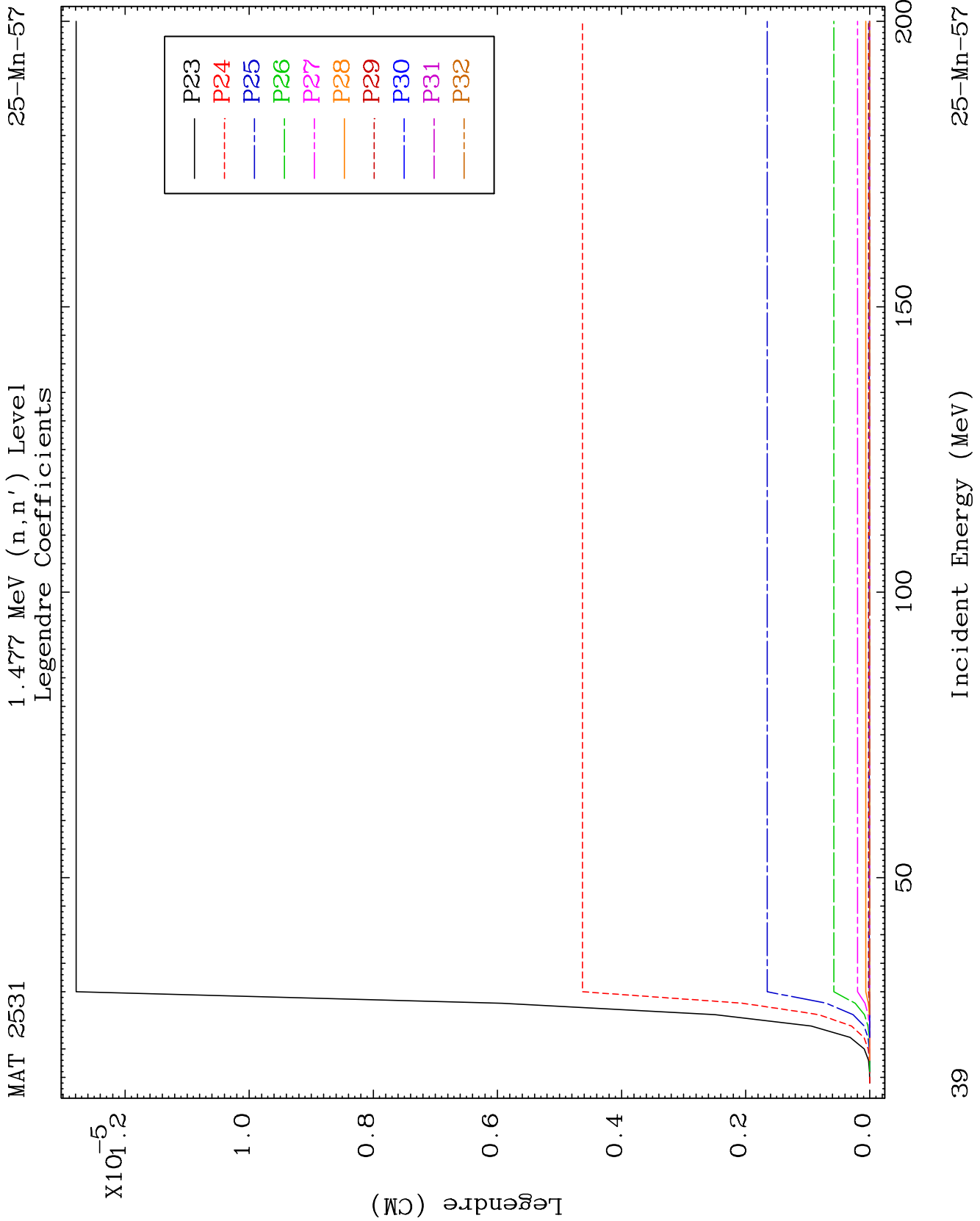
Incident Energy (MeV)

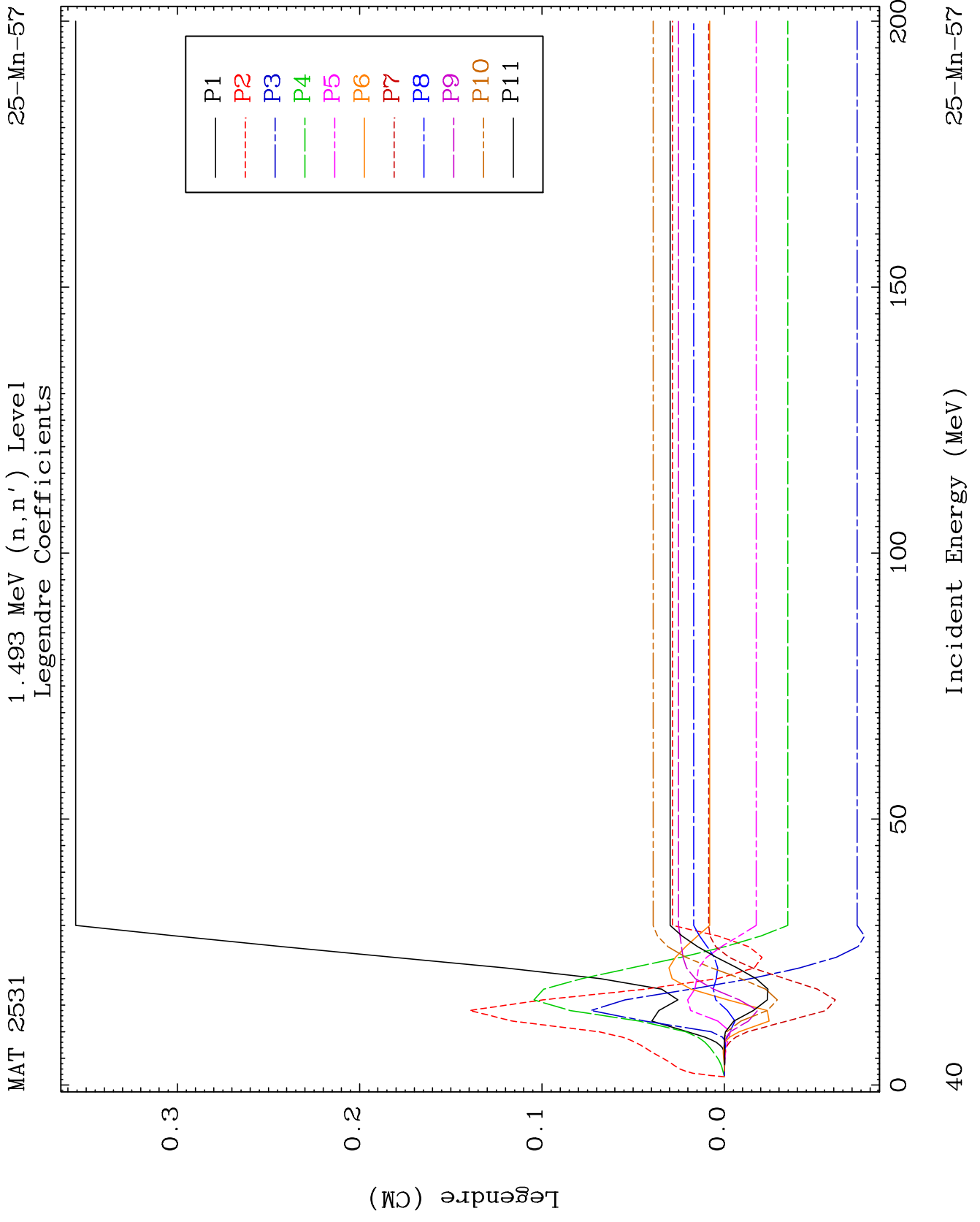
25-Mn-57







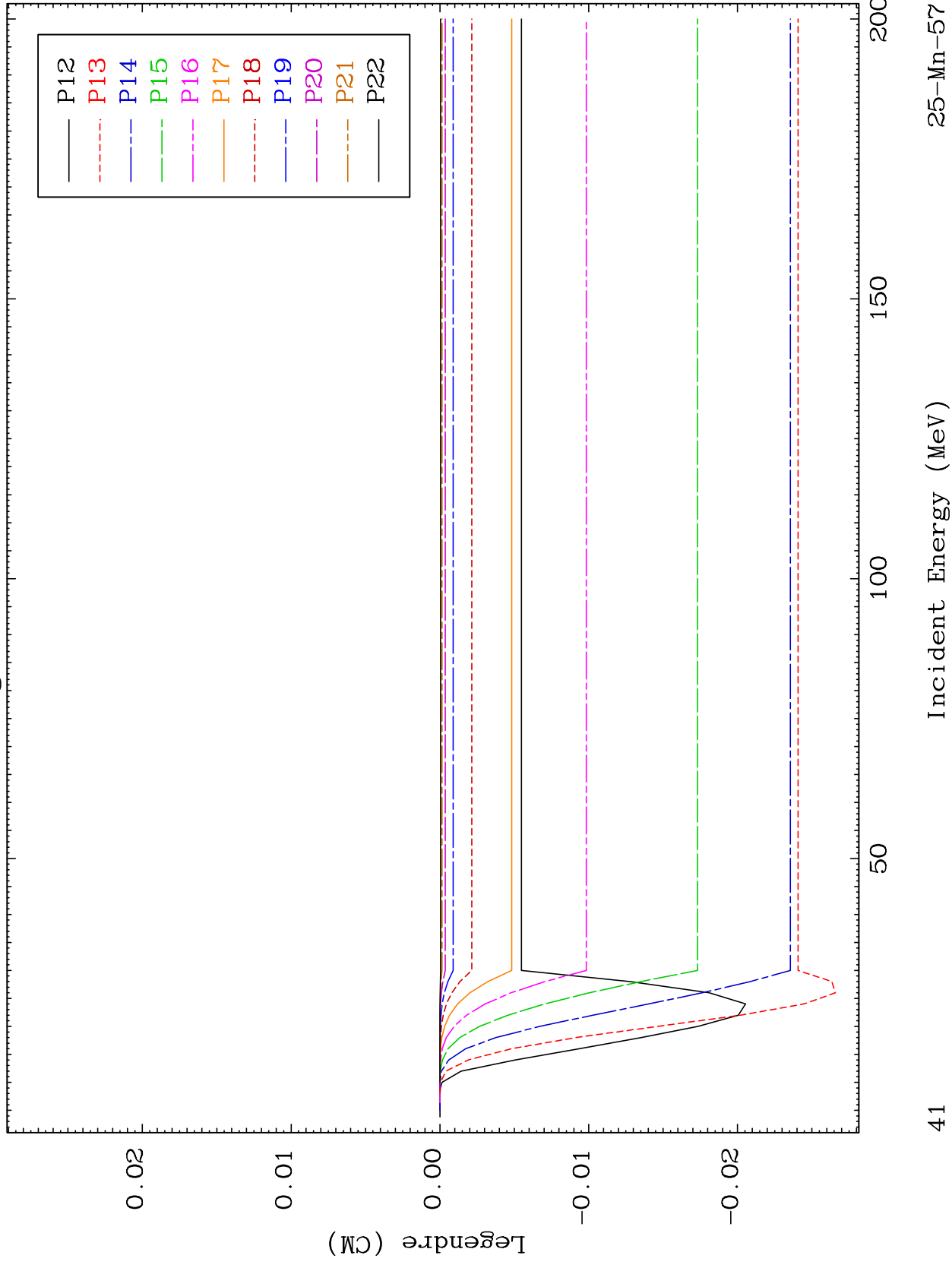




MAT 2531

1.493 MeV (n,n') Level
Legendre Coefficients

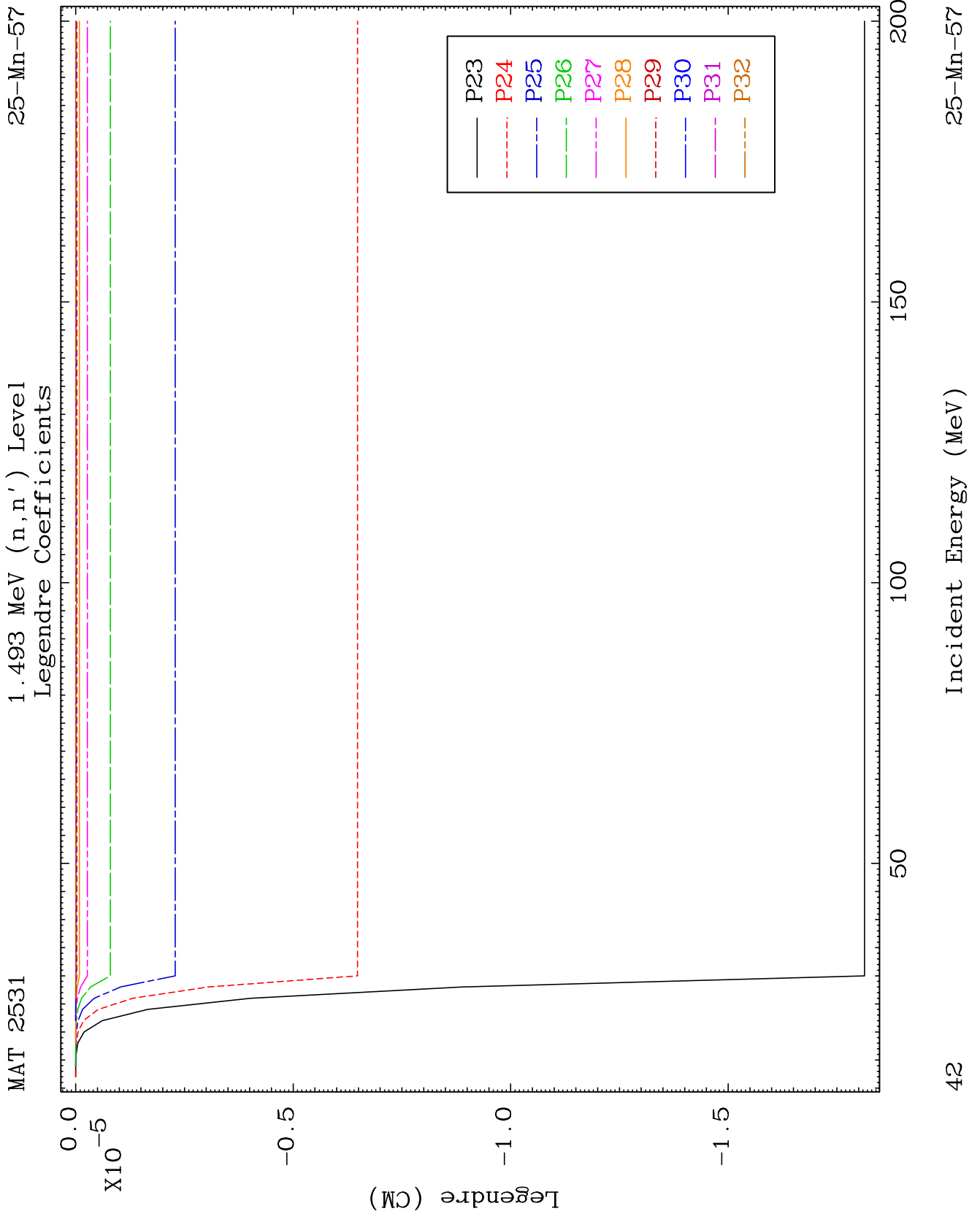
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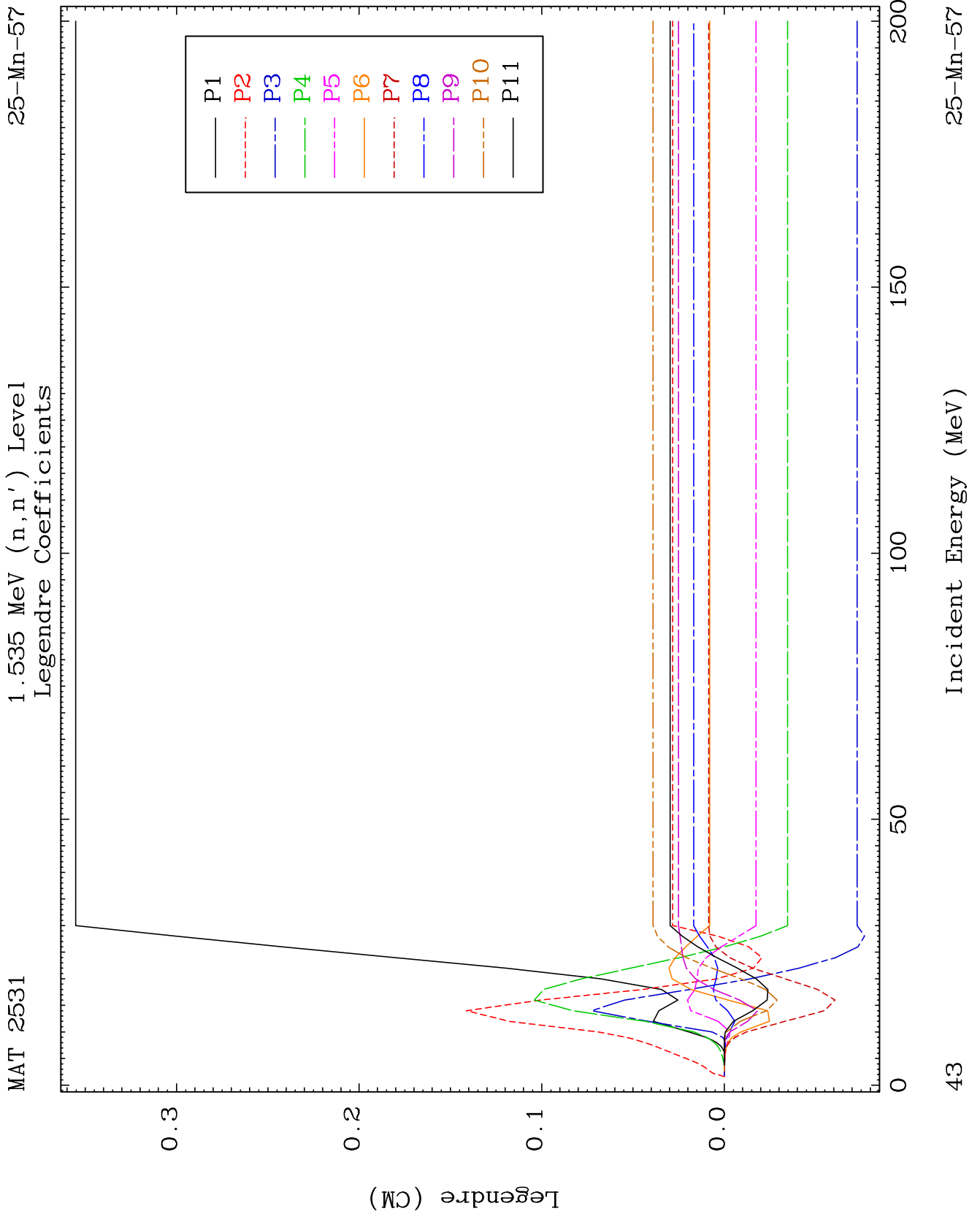


41

Incident Energy (MeV)

25-Mn-57

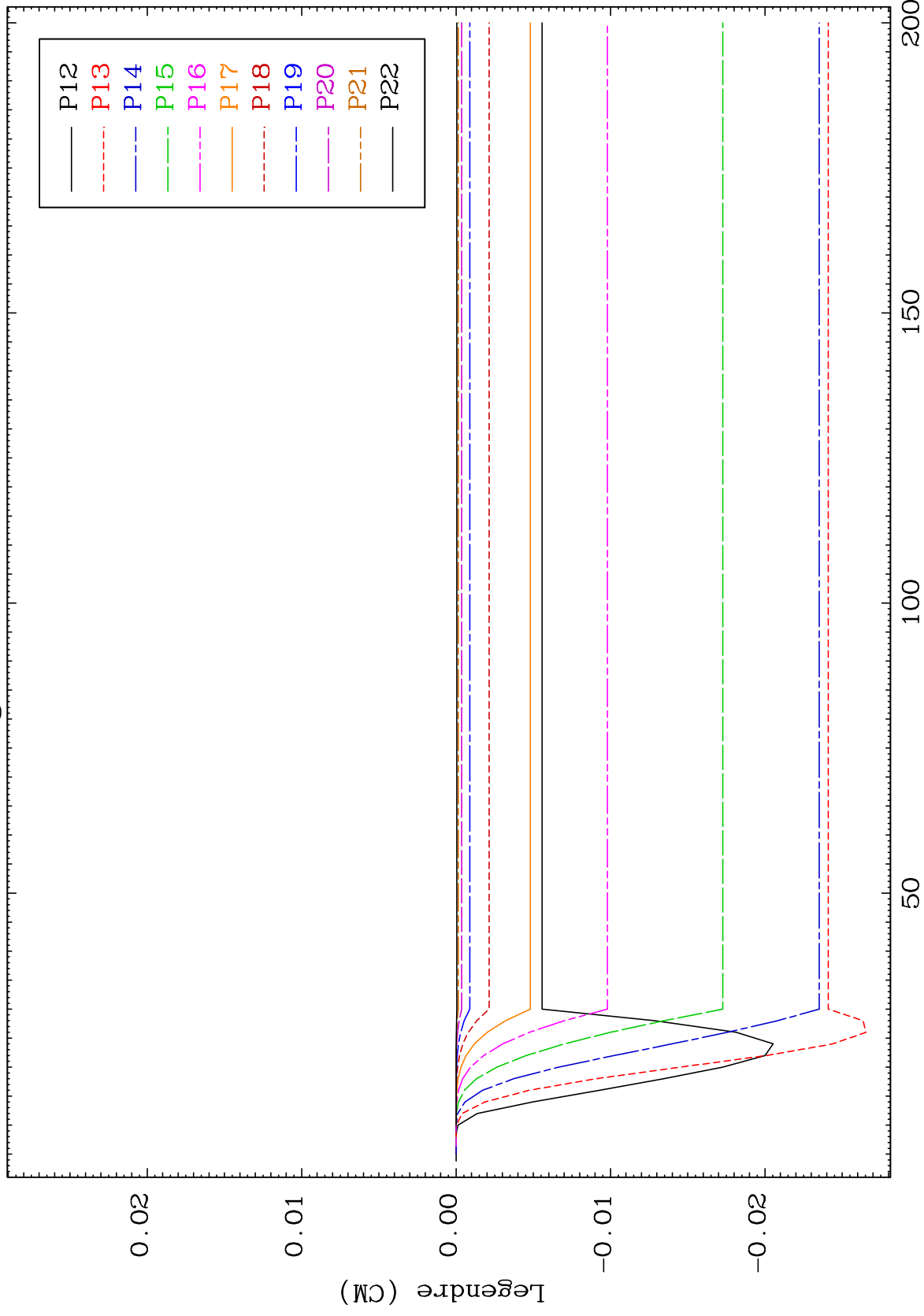




MAT 2531

1.535 MeV (n,n') Level
Legendre Coefficients

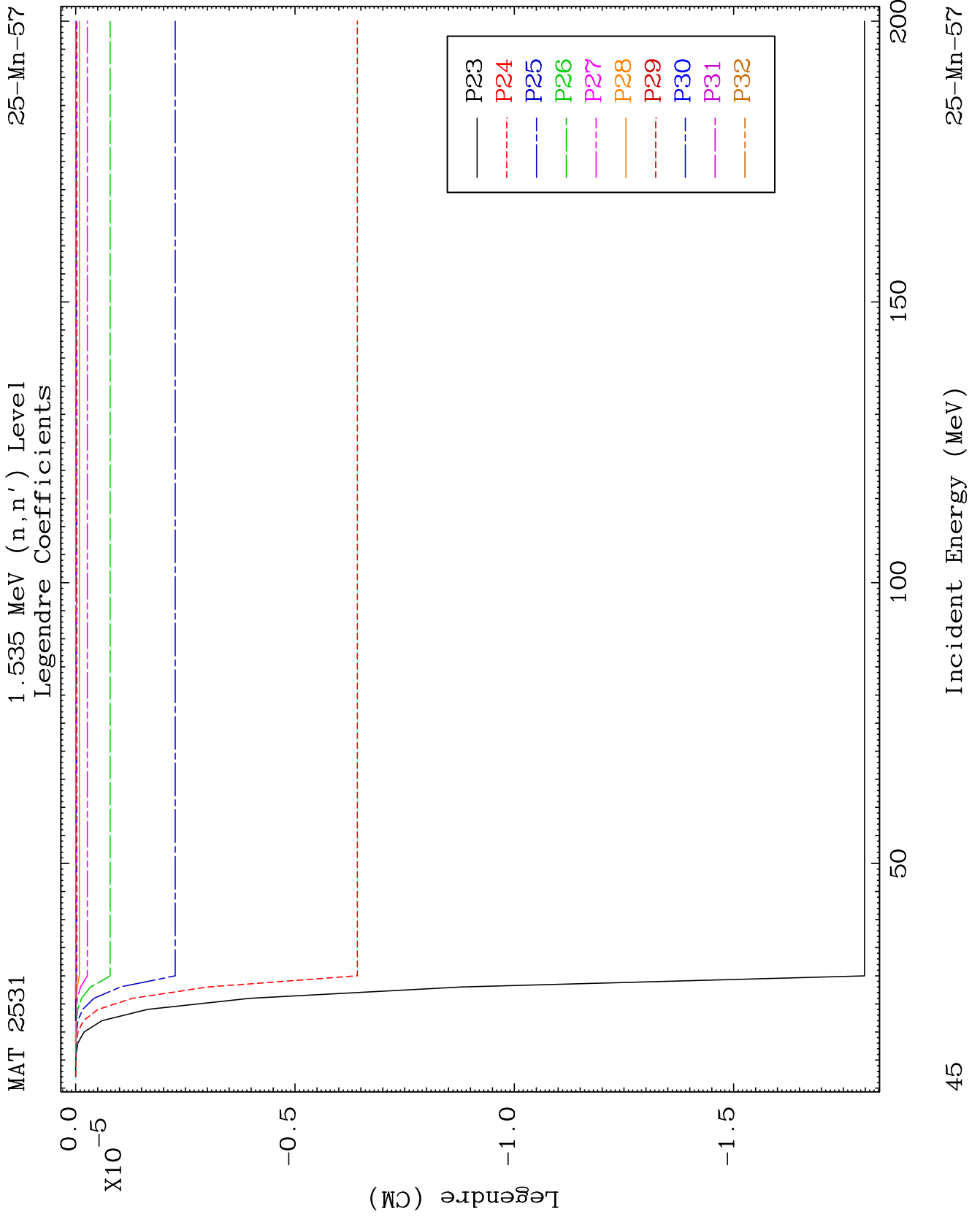
25-Mn-57

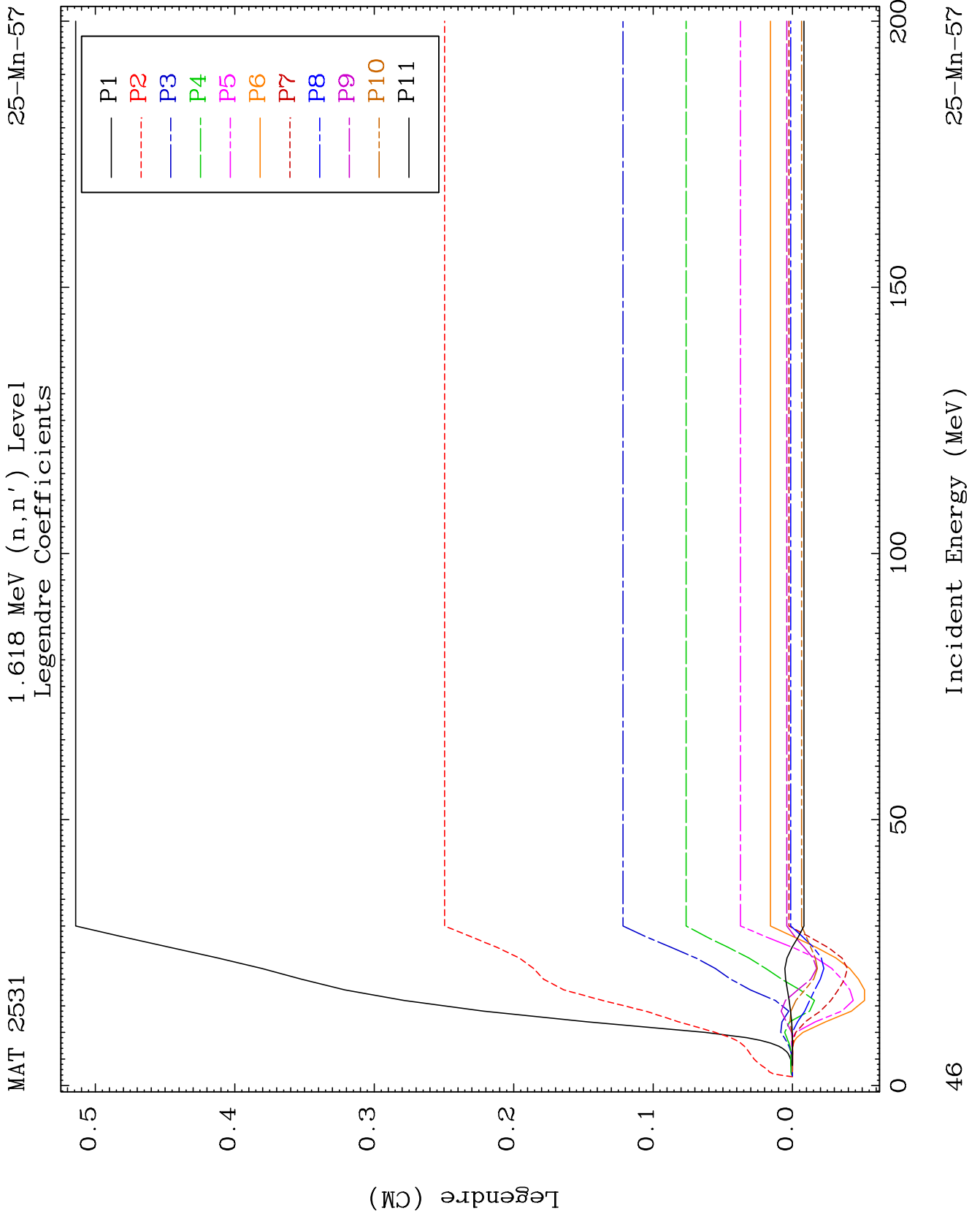


44

Incident Energy (MeV)

25-Mn-57

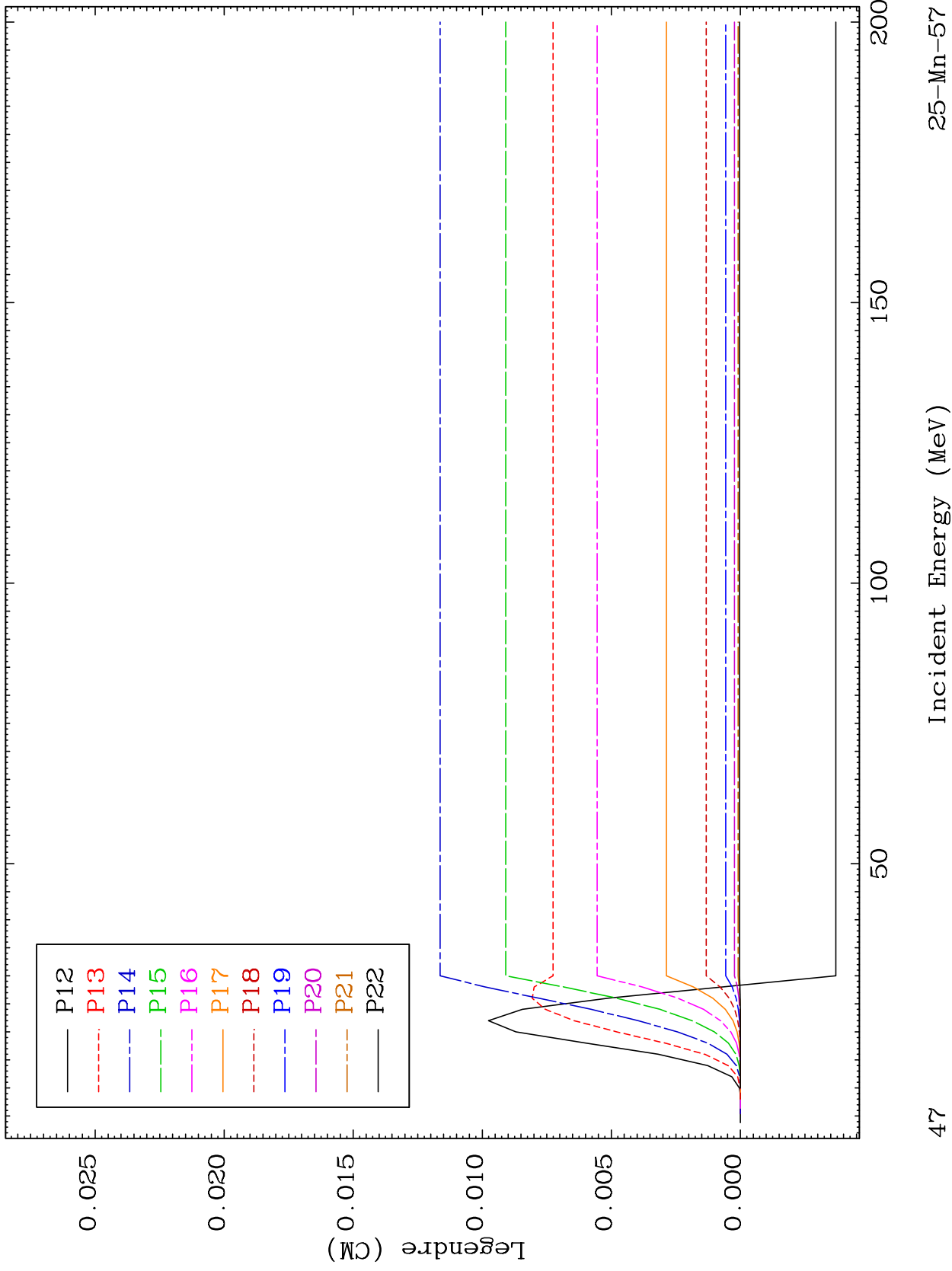


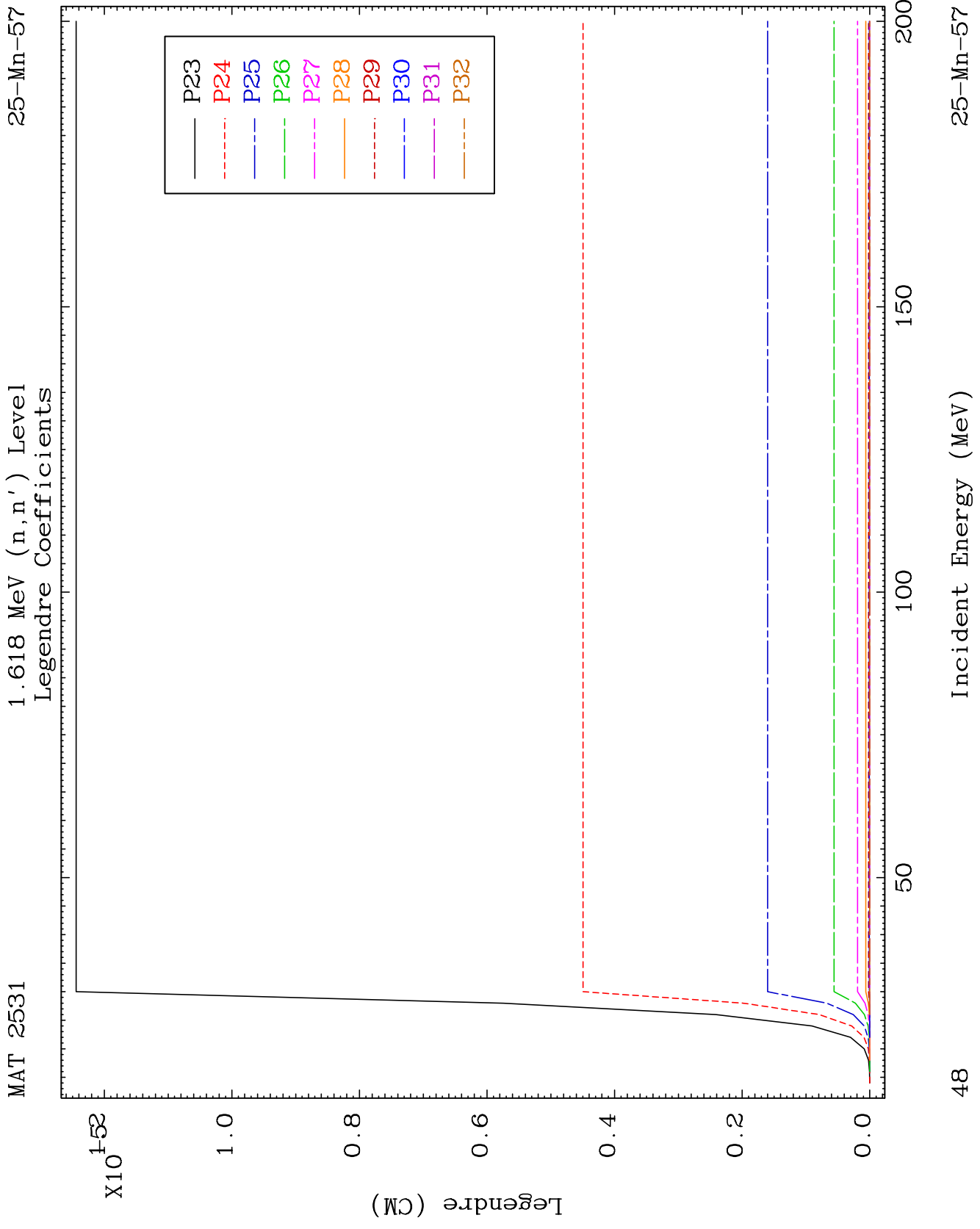


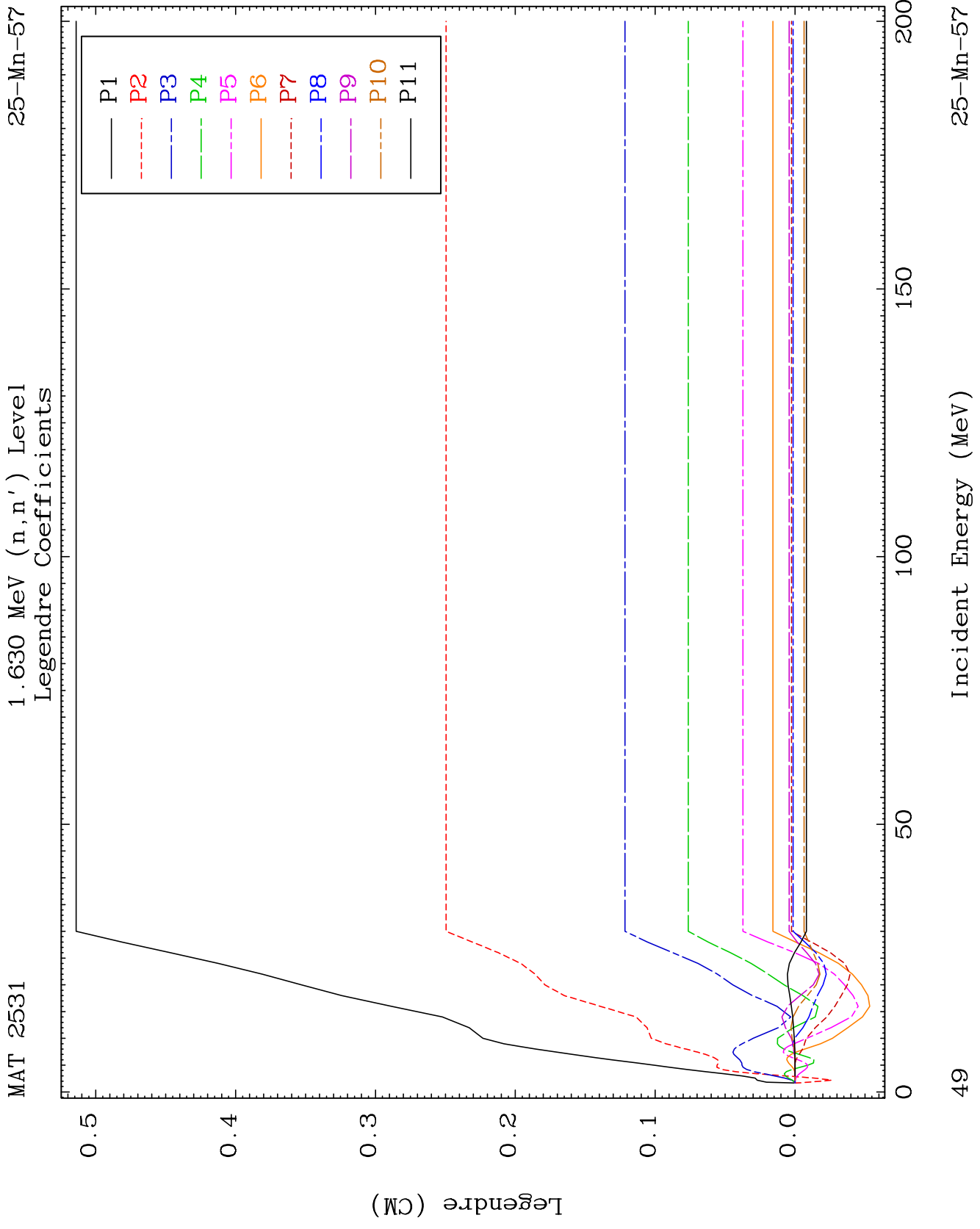
MAT 2531

1.618 MeV (n, n') Level
Legendre Coefficients

25-Mn-57



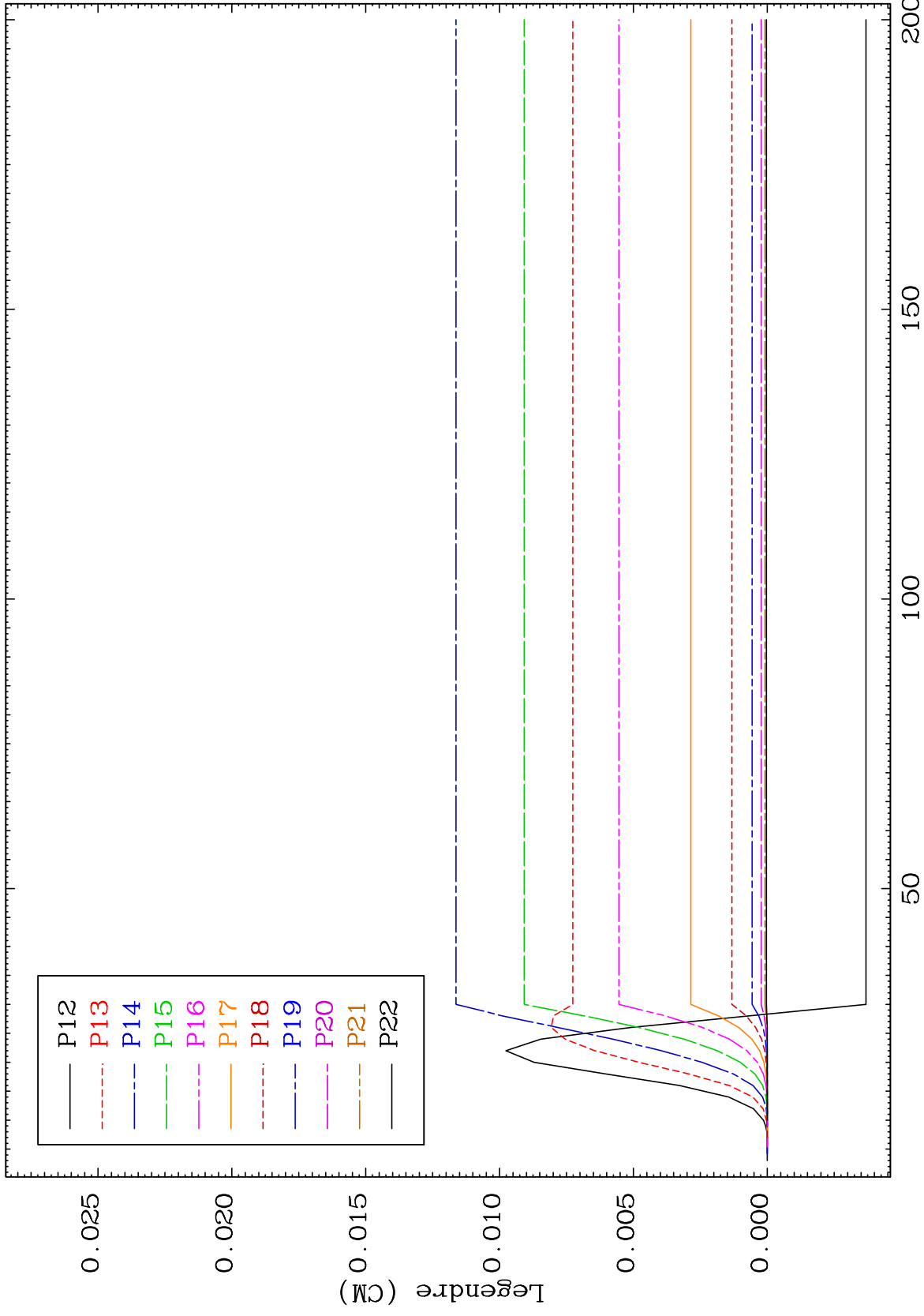




MAT 2531

1.630 MeV (n, n') Level
Legendre Coefficients

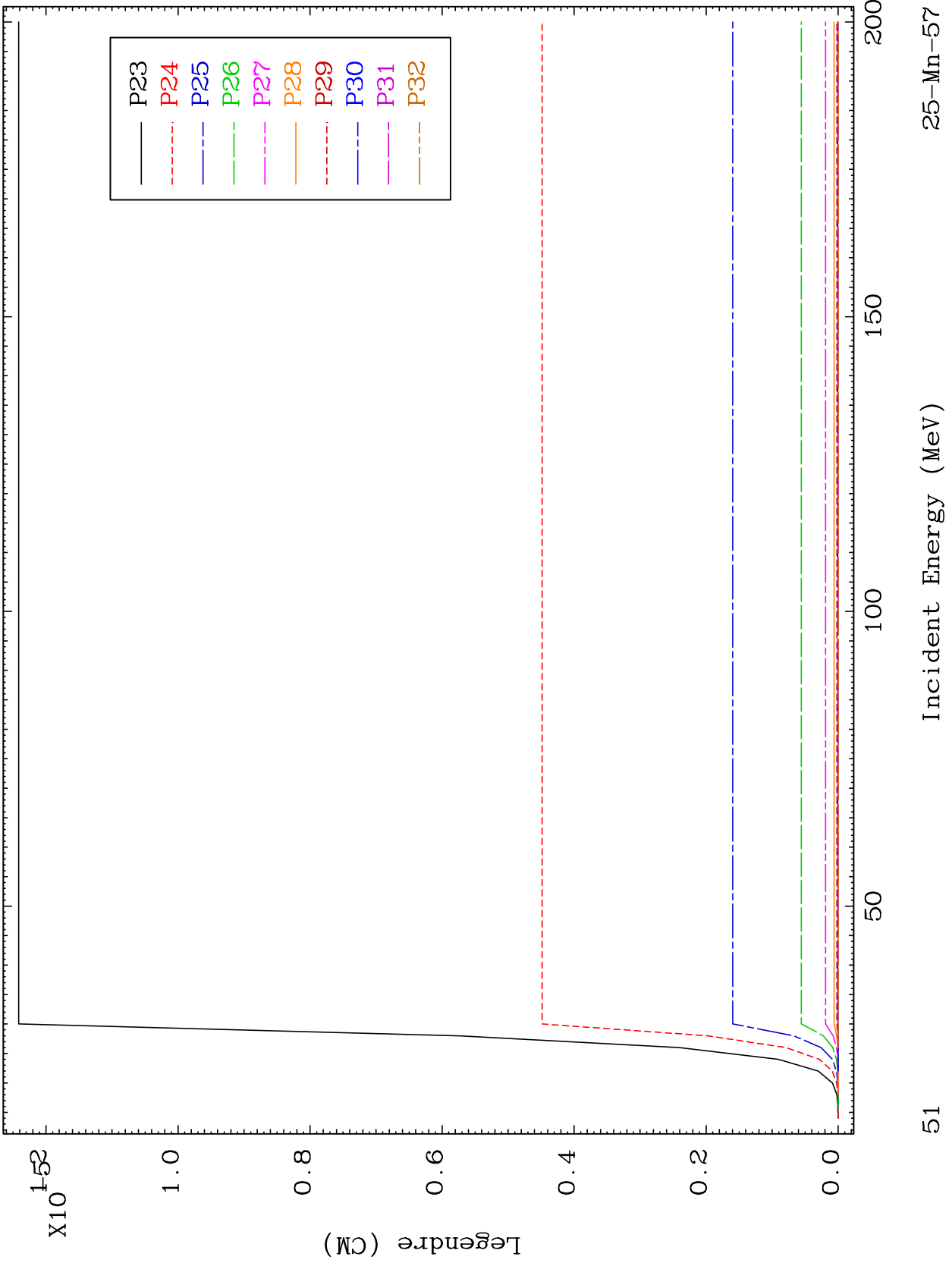
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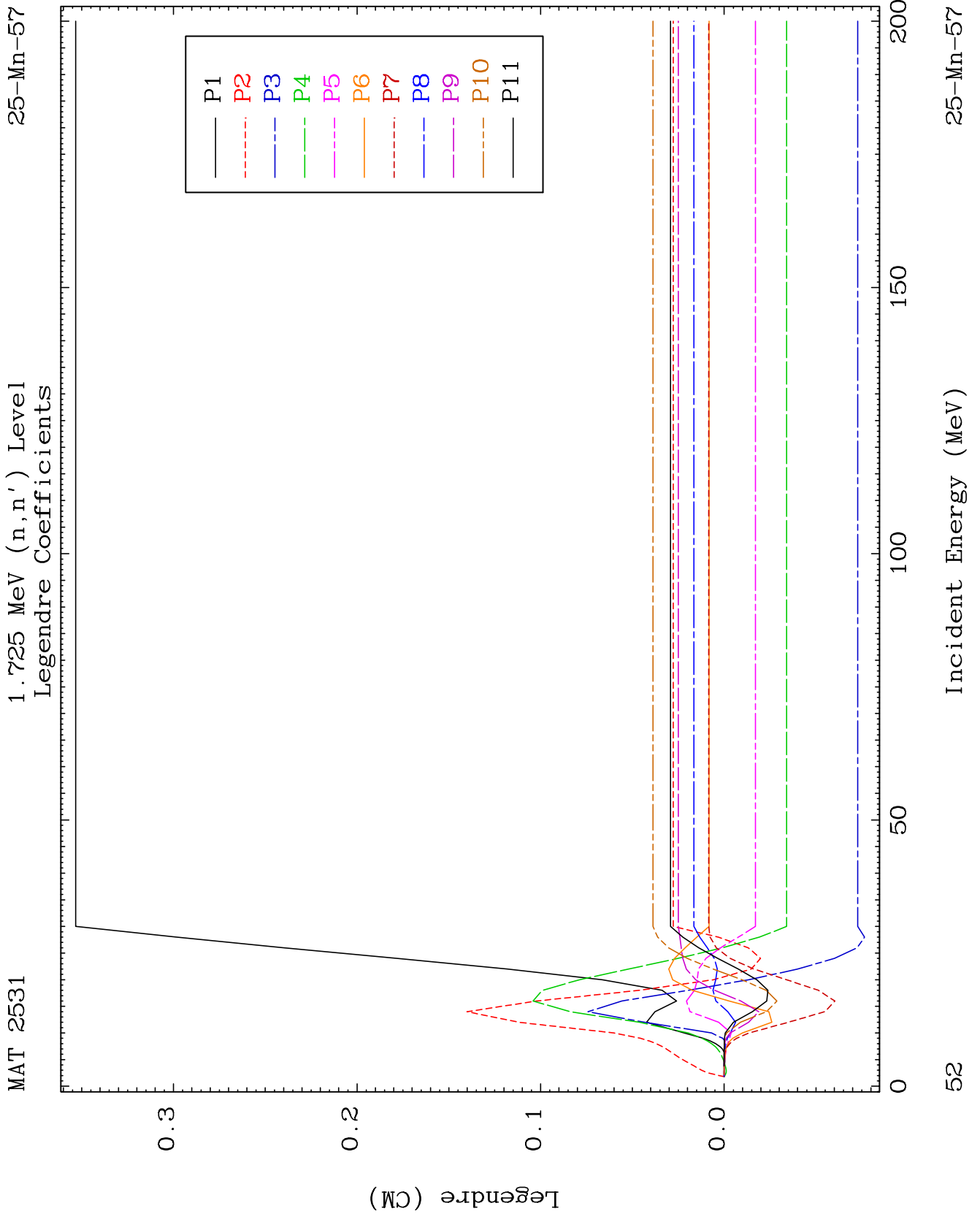


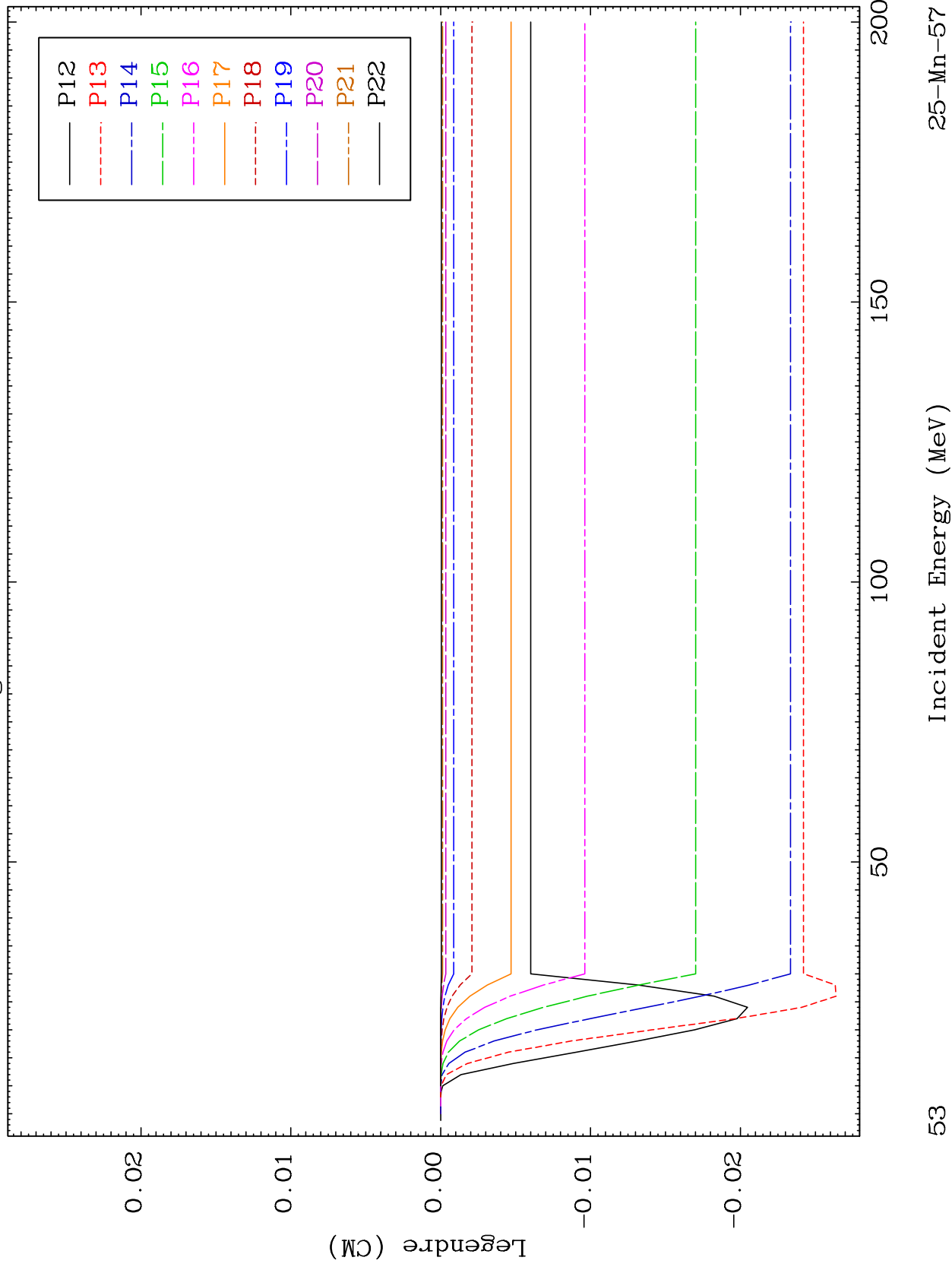
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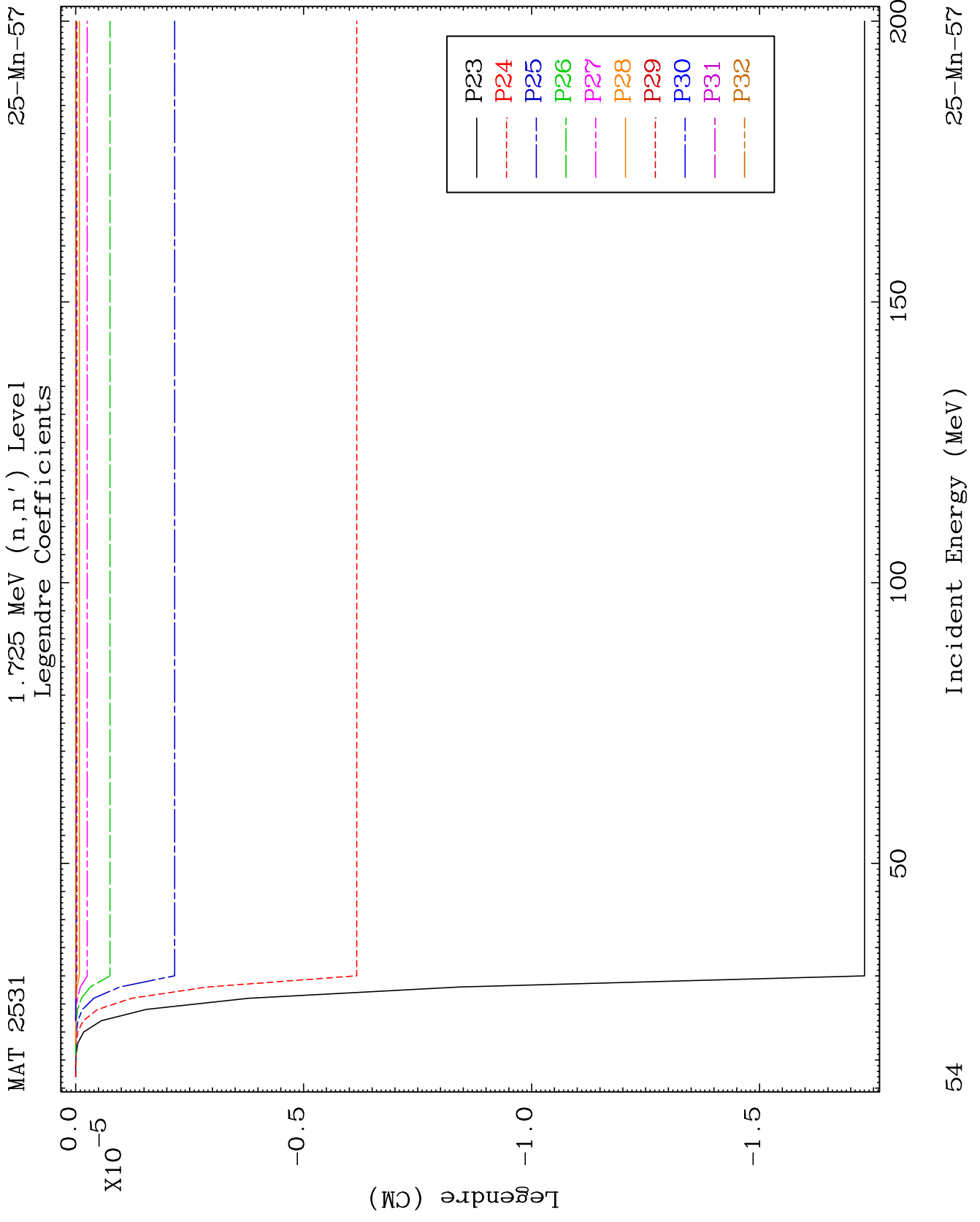
Incident Energy (MeV)

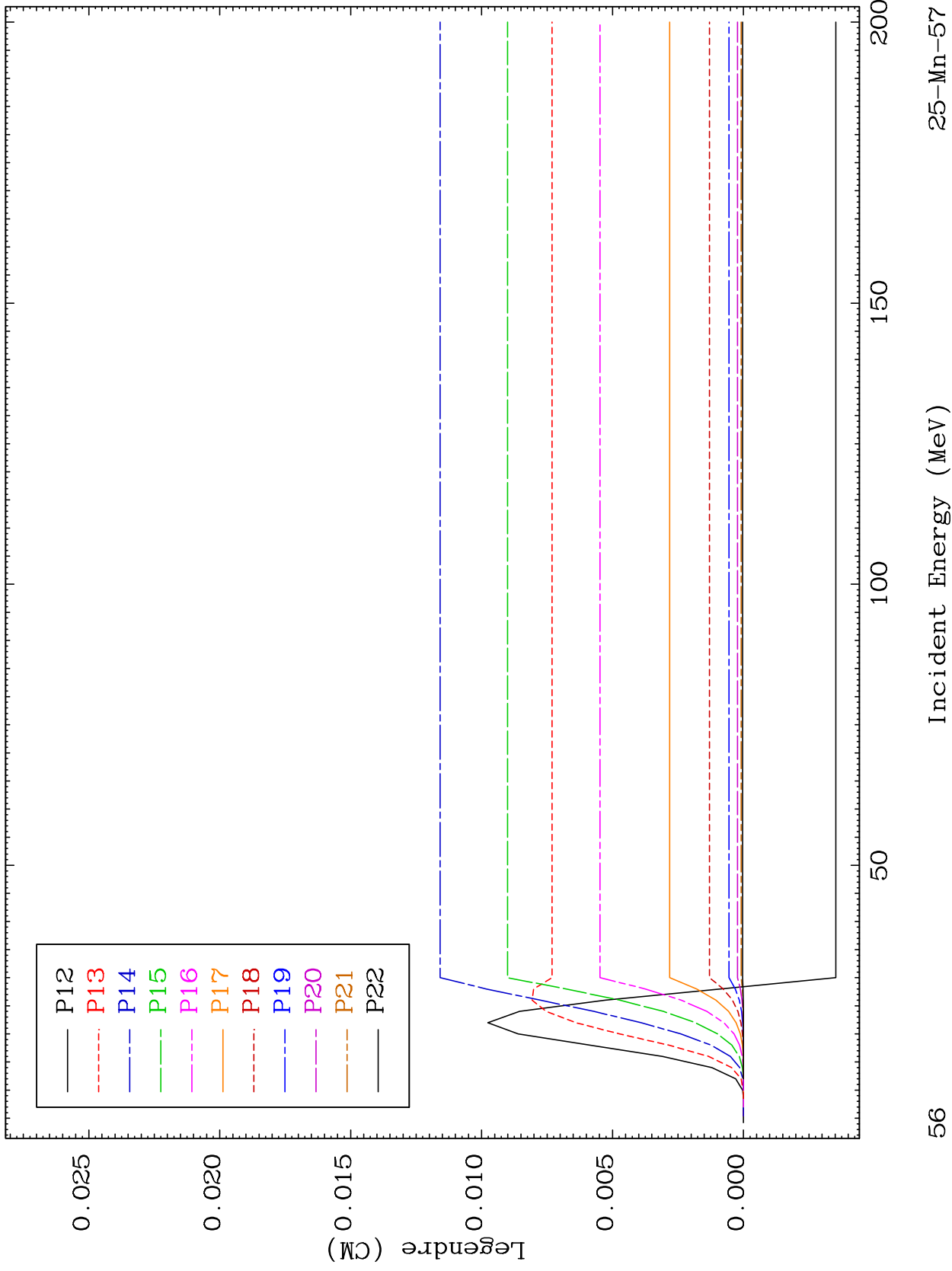
25-Mn-57

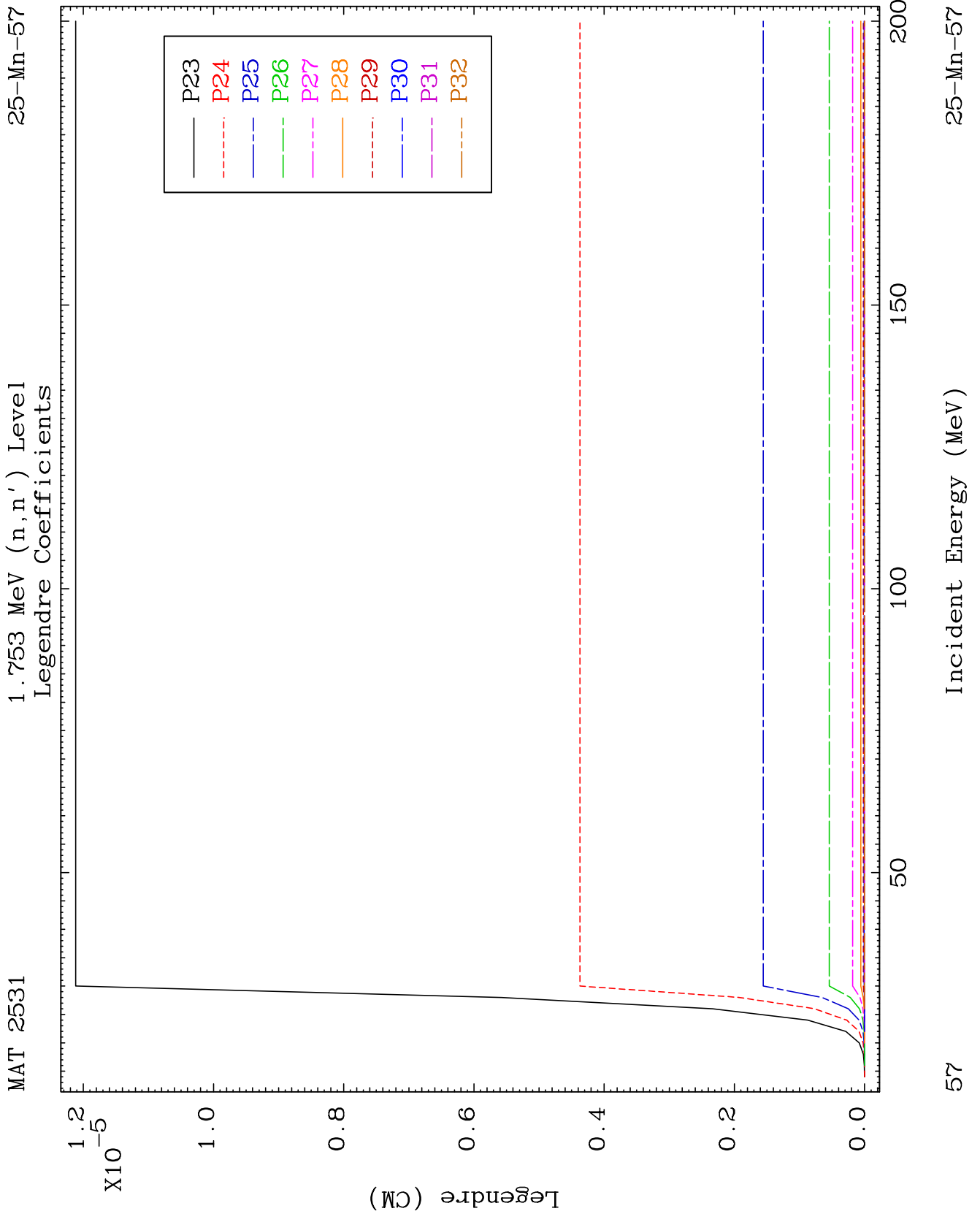


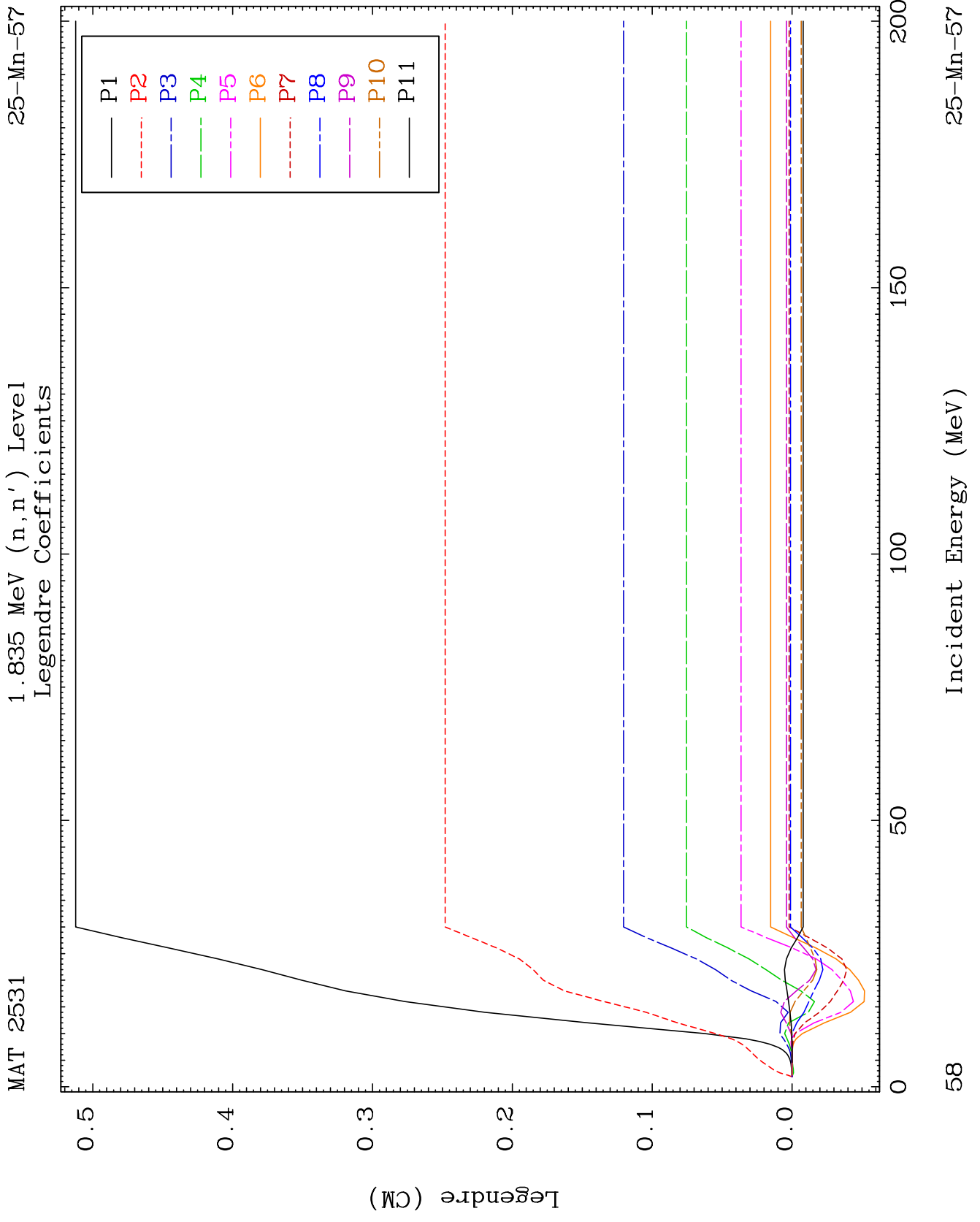


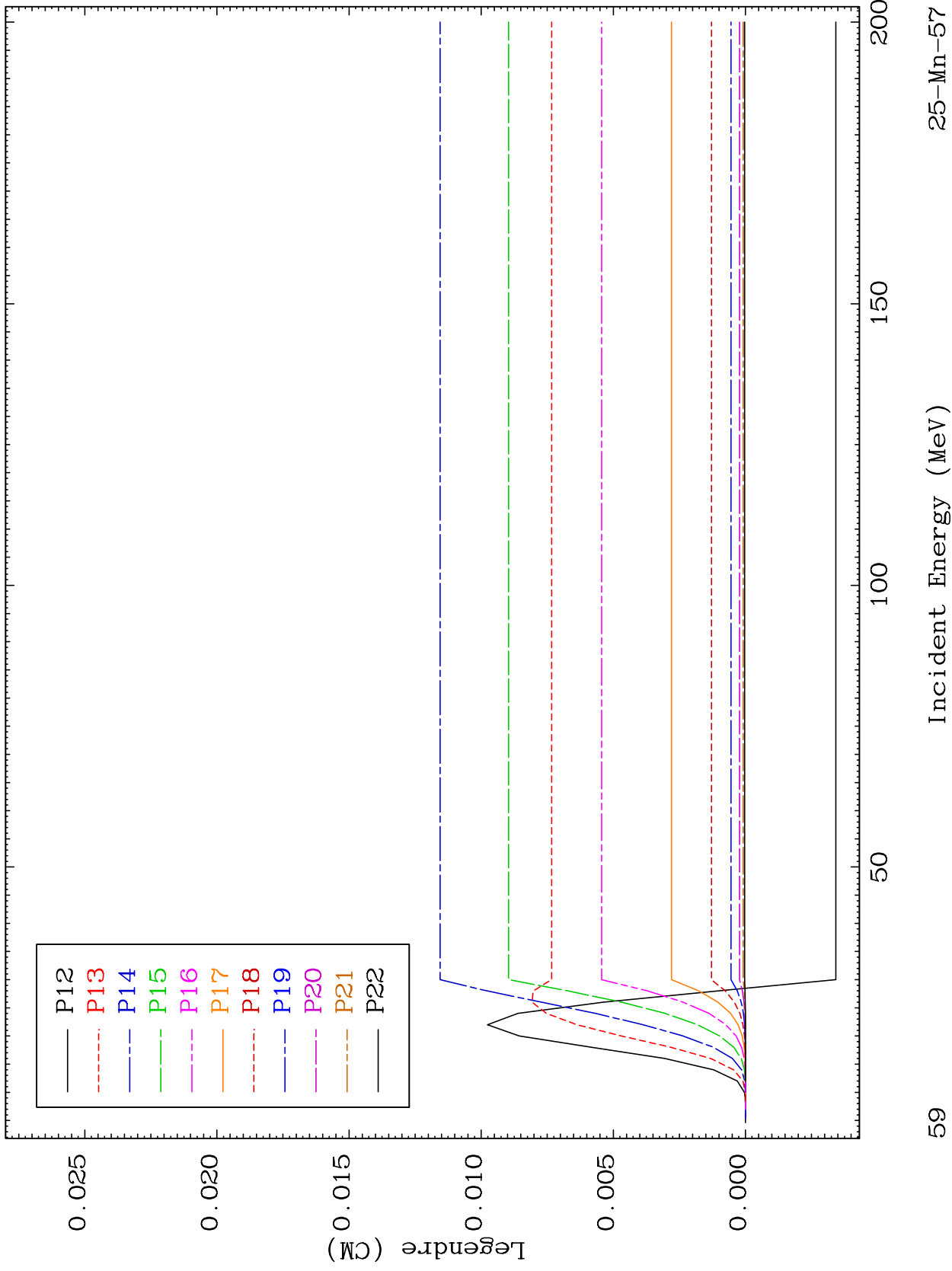


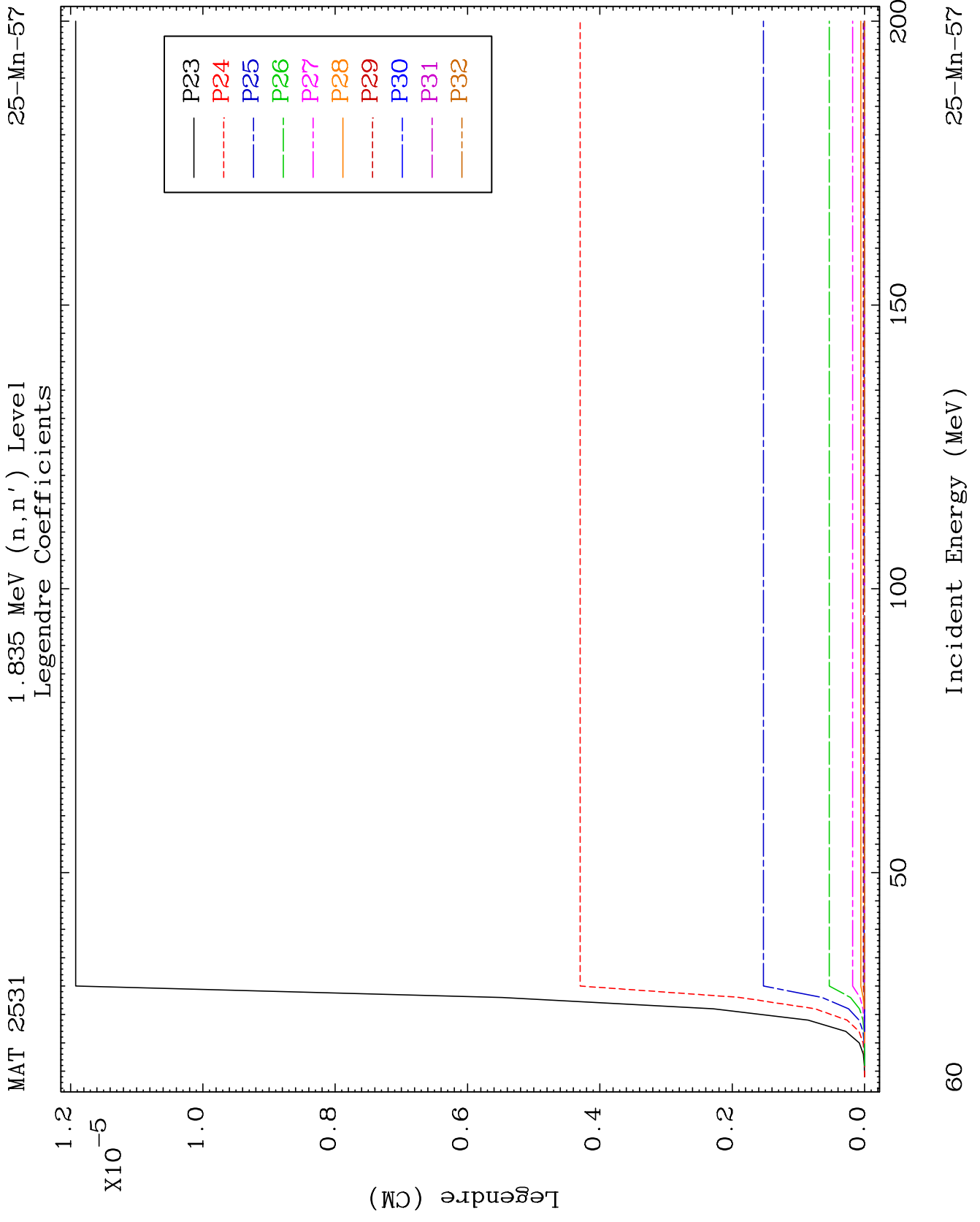


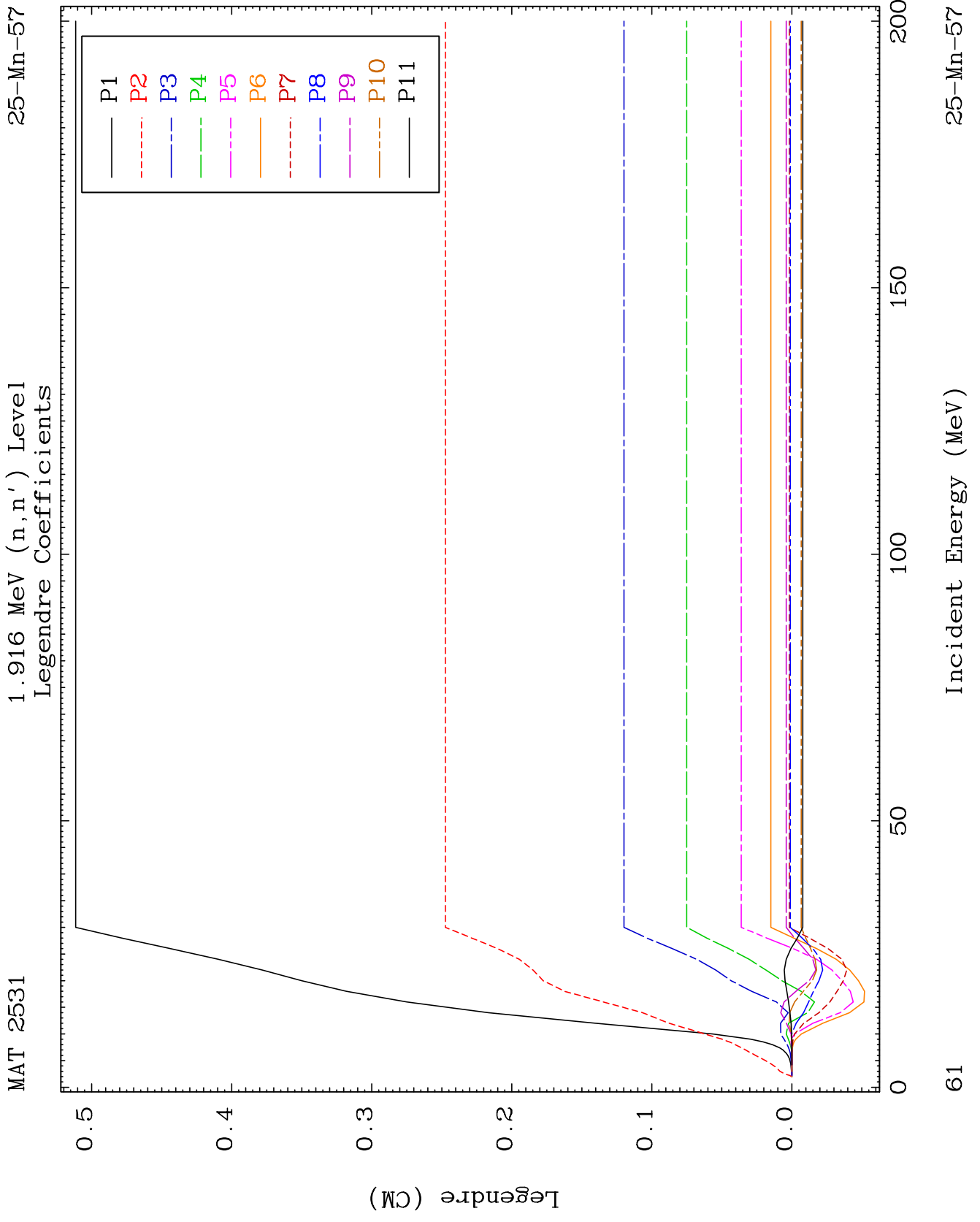


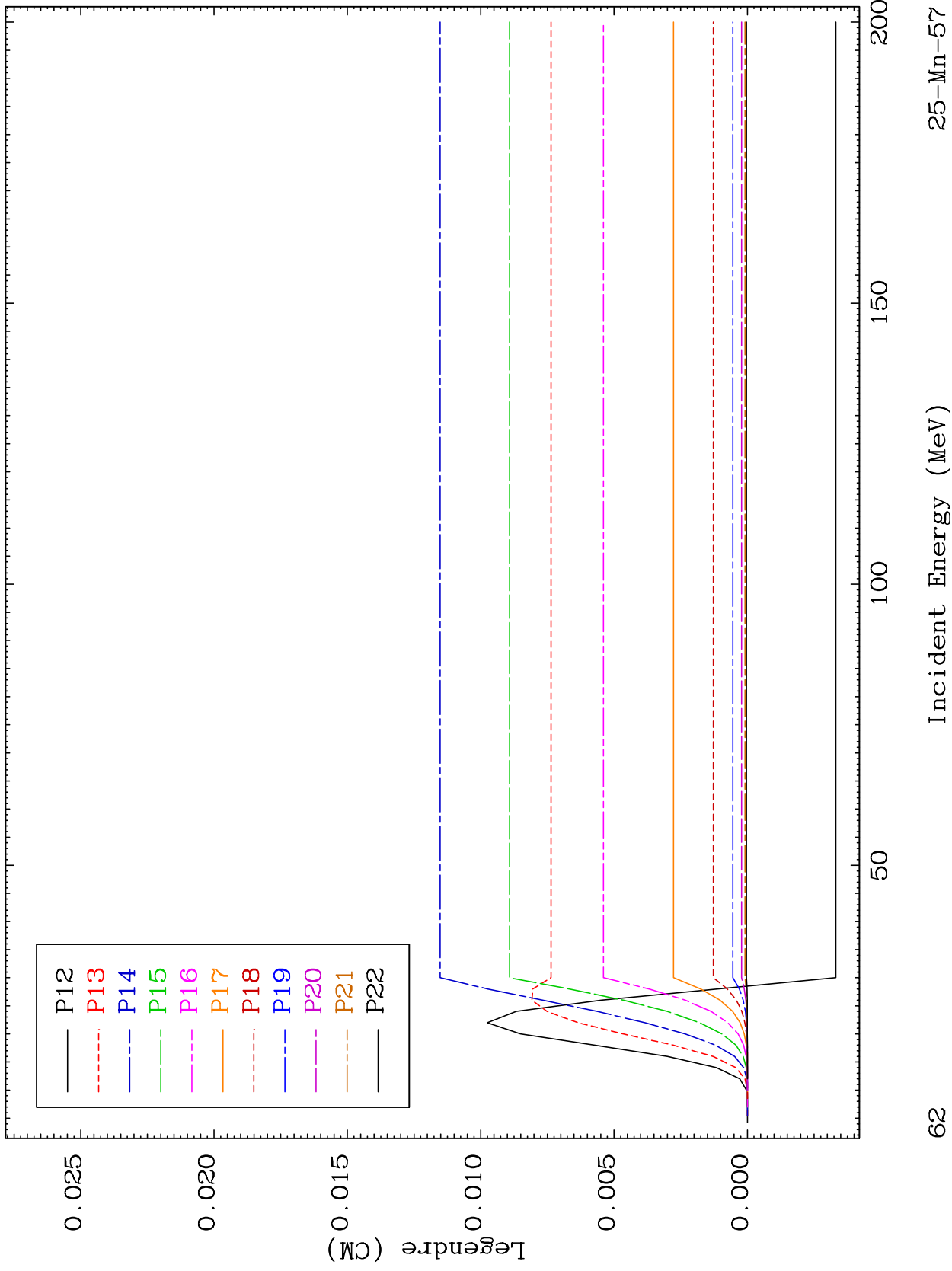


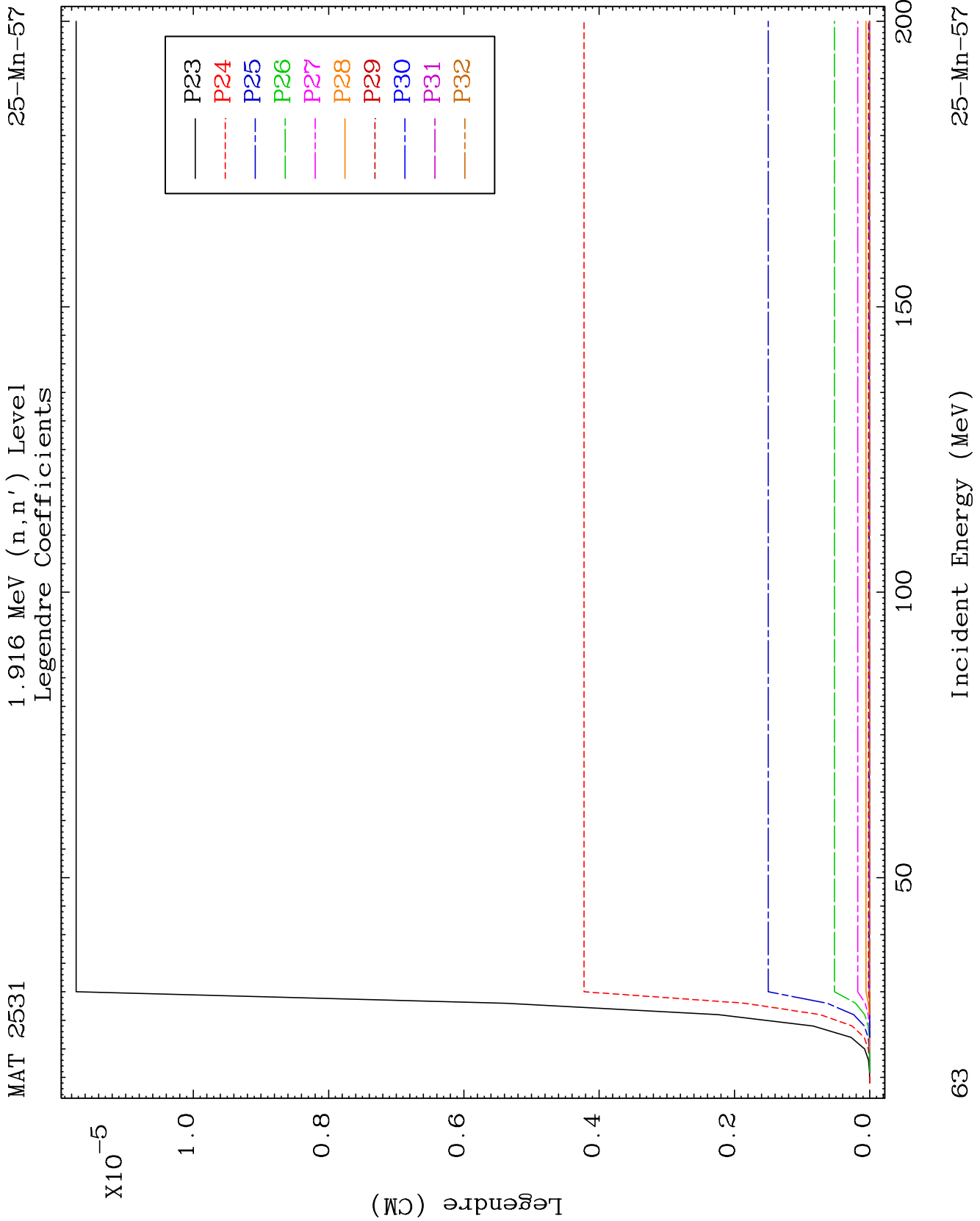


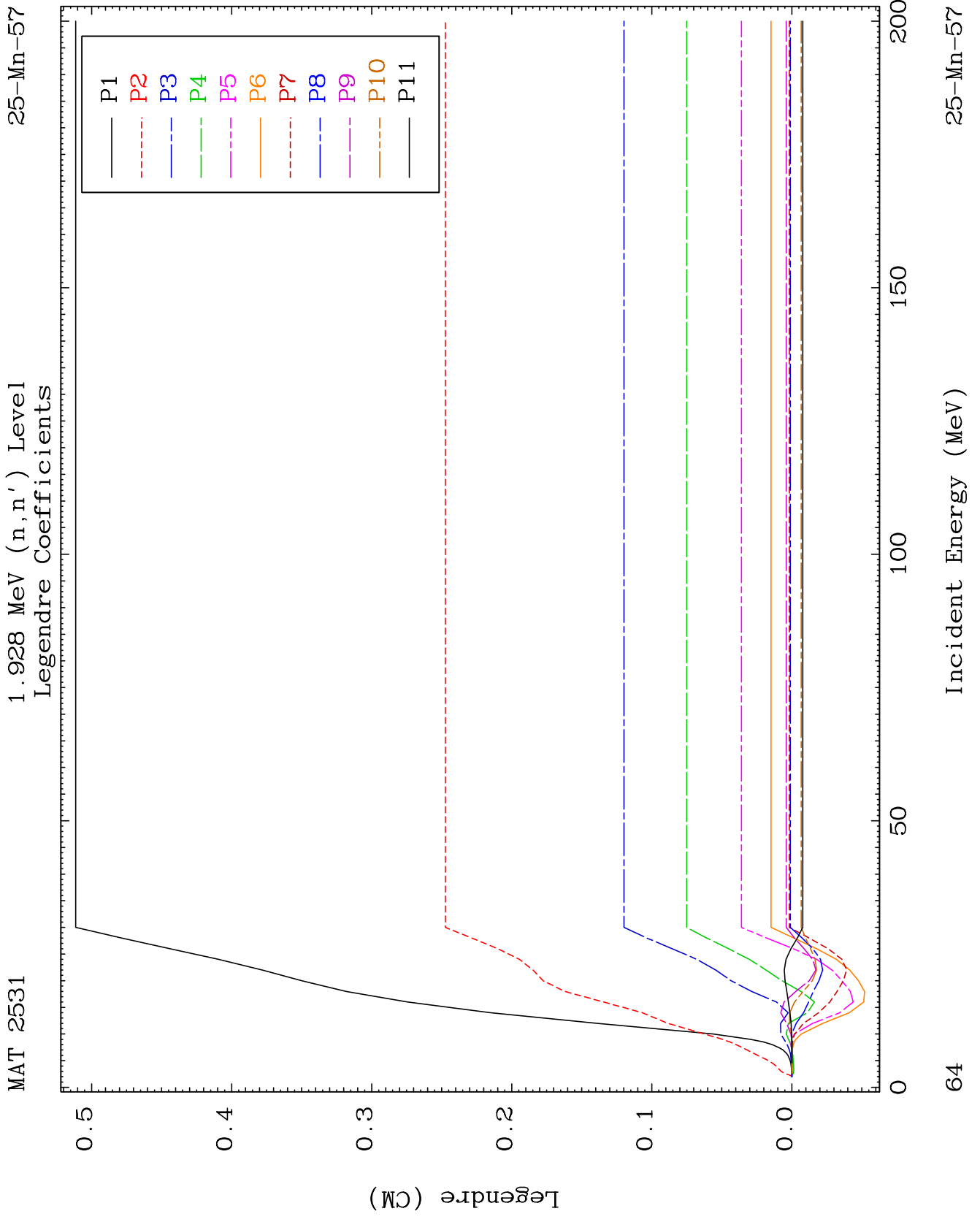


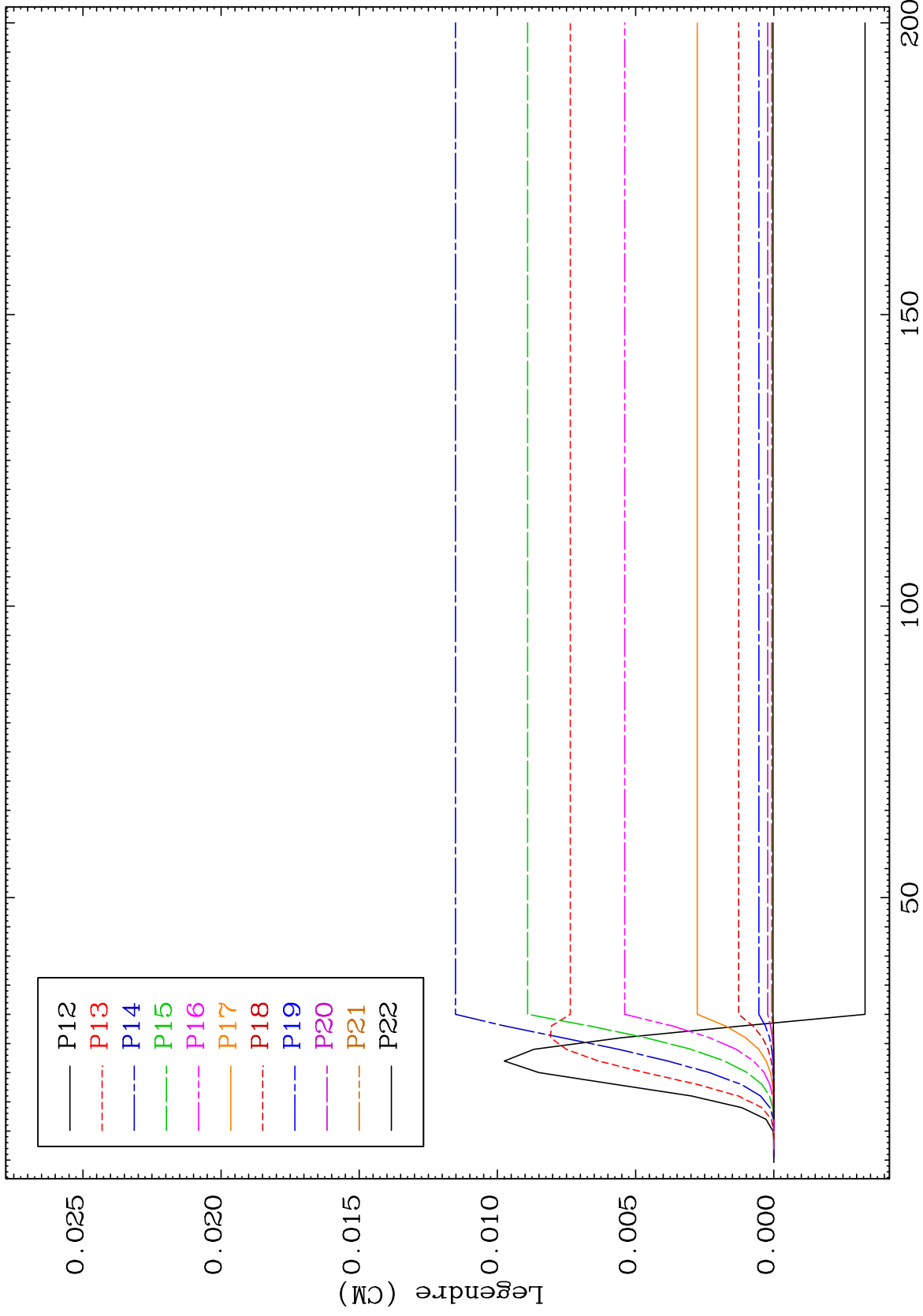


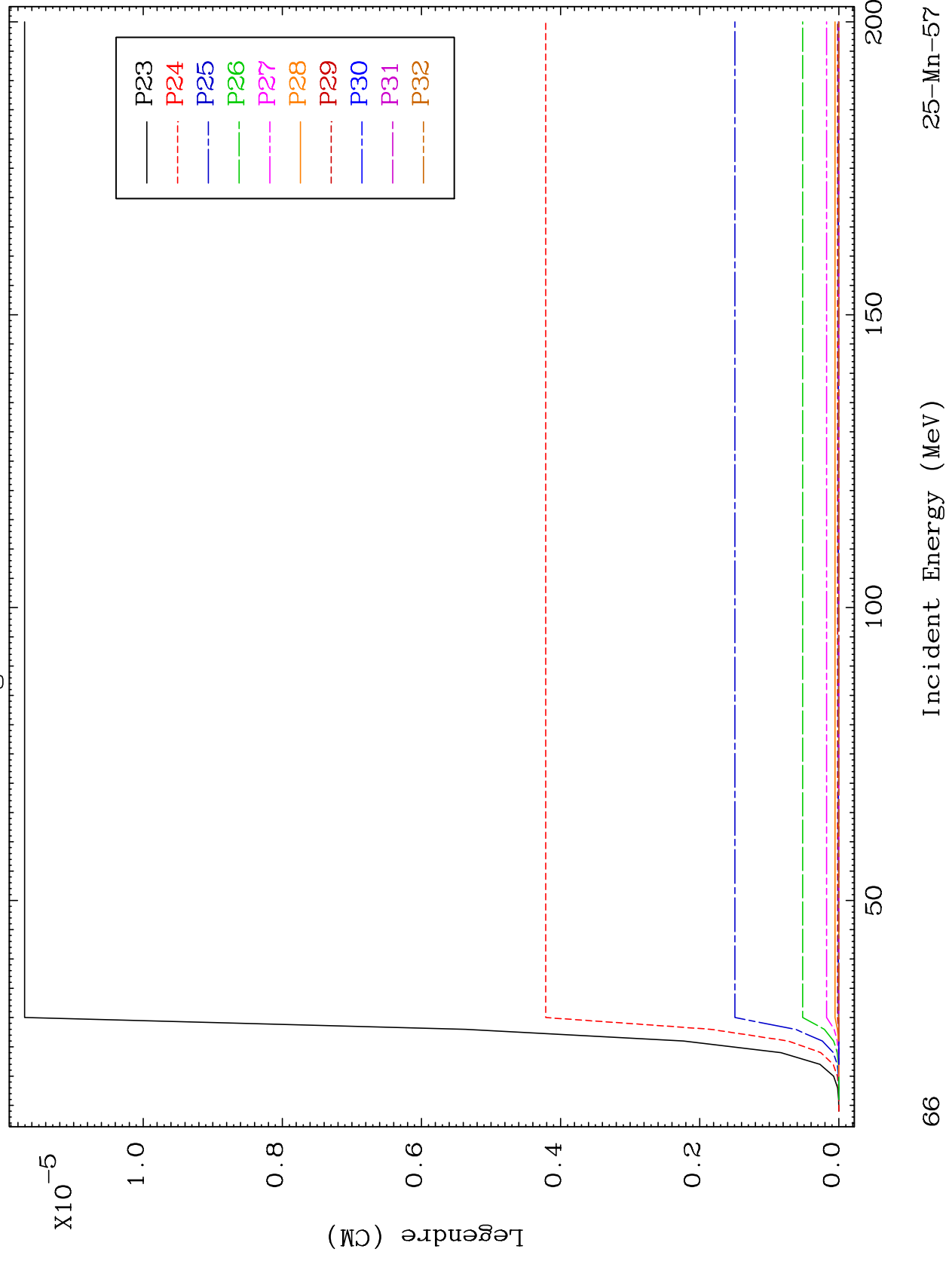


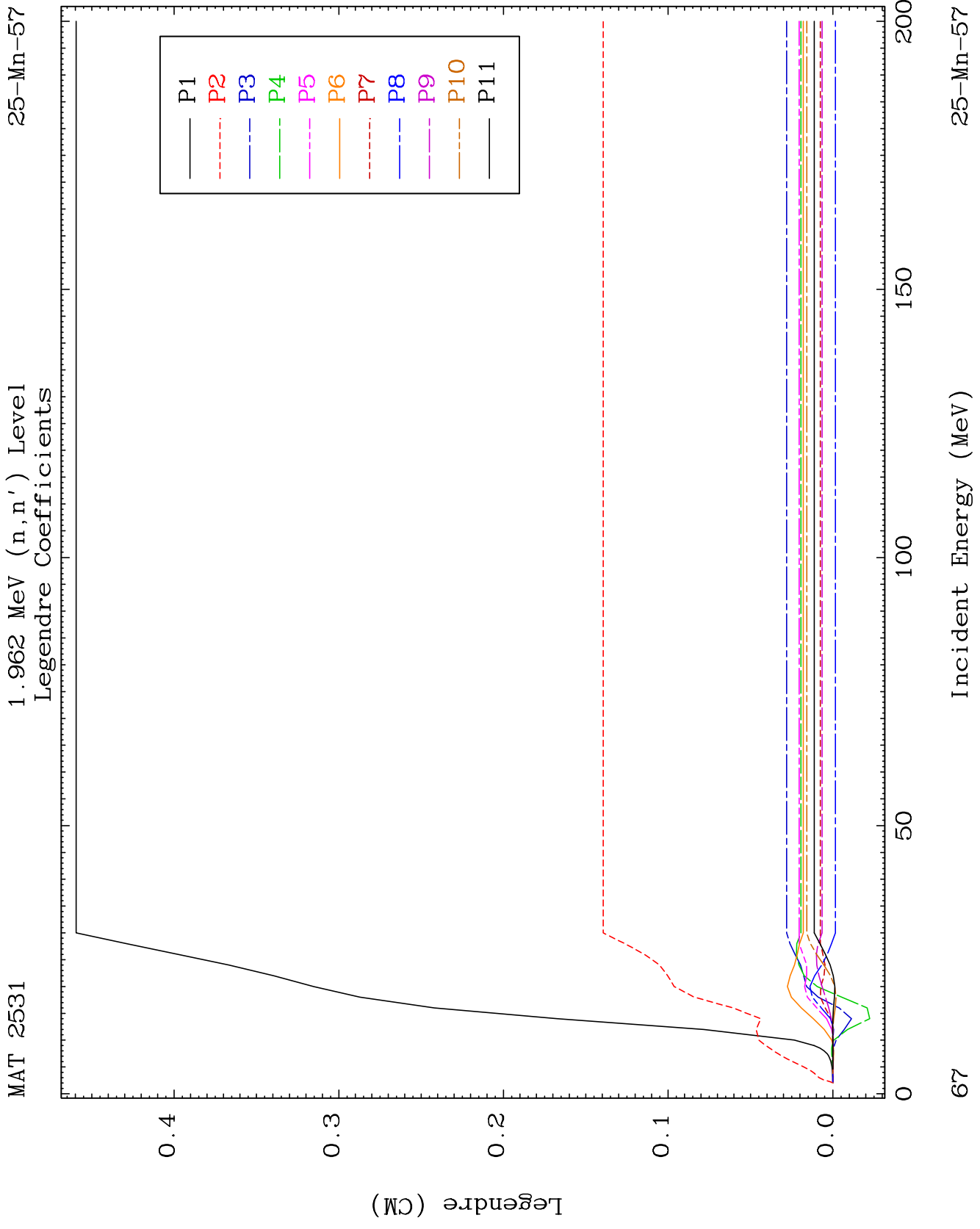








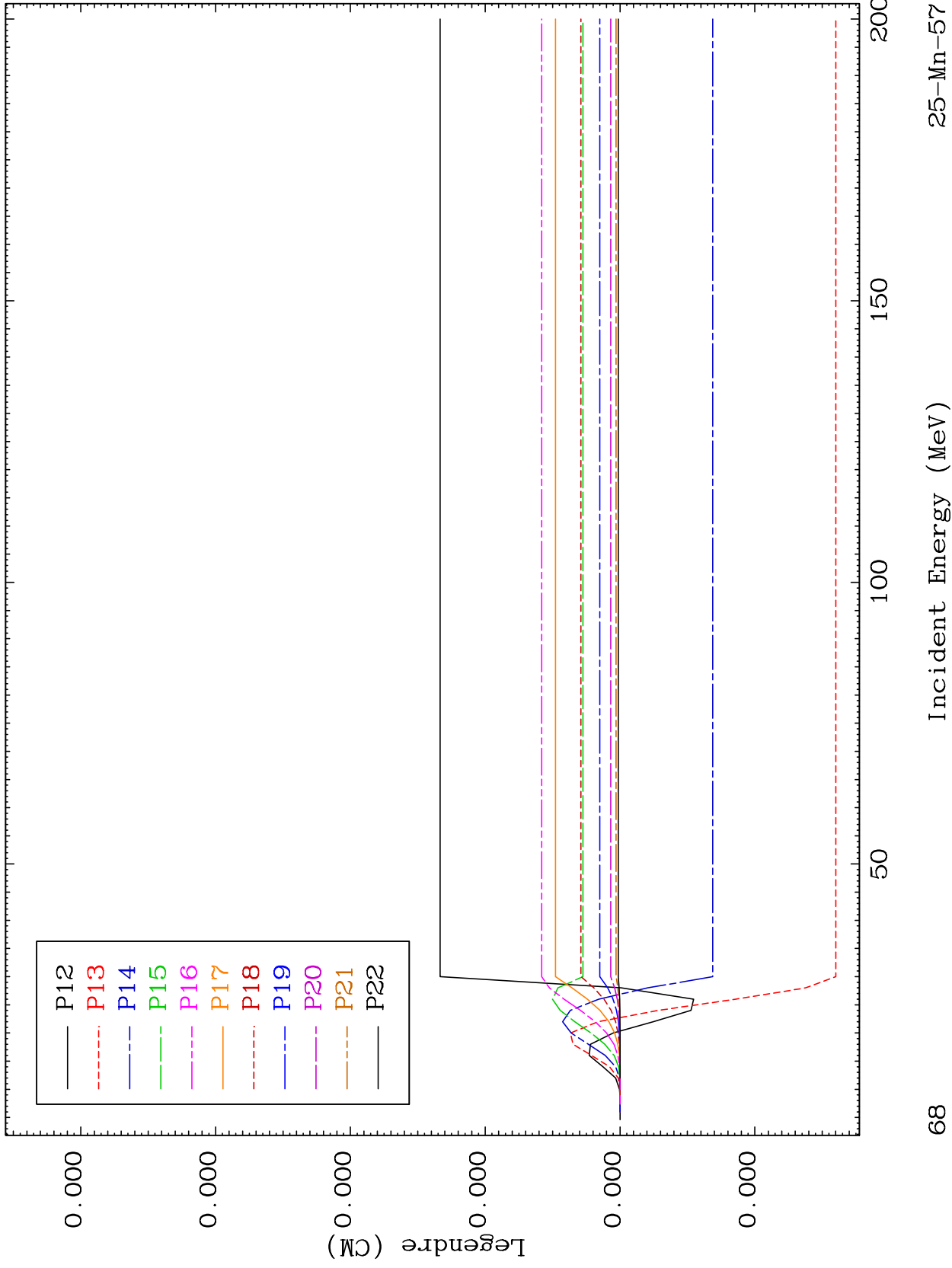


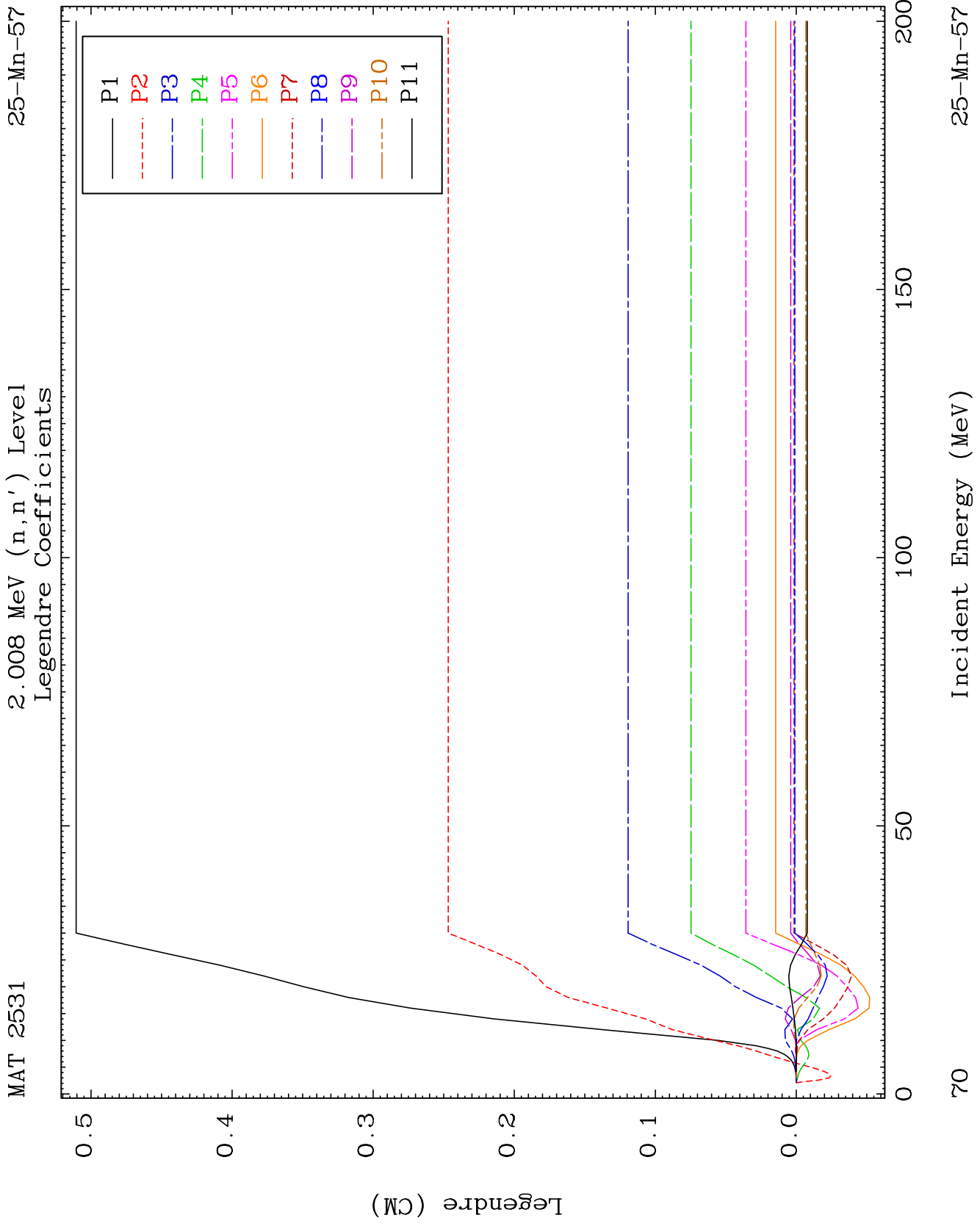


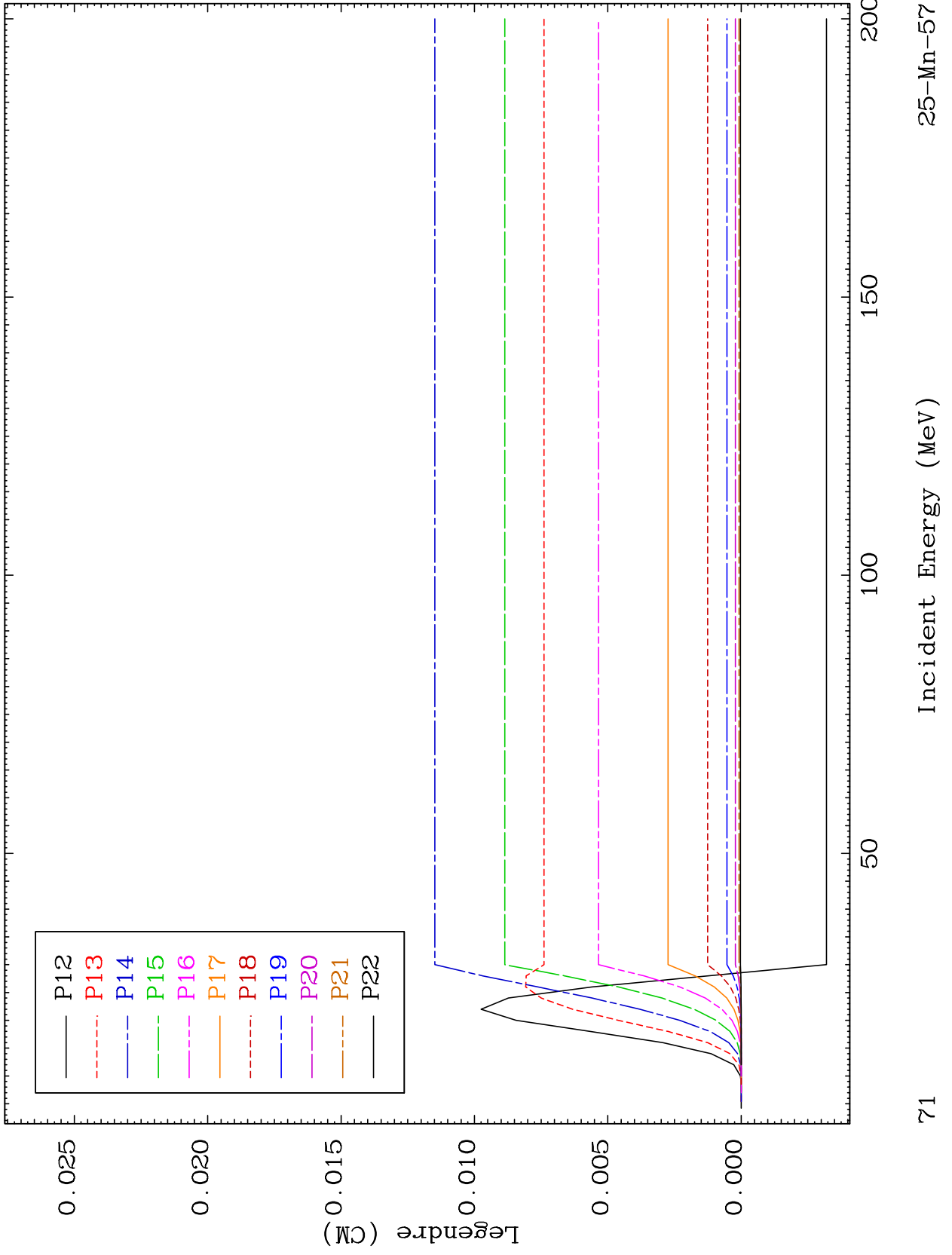
MAT 2531

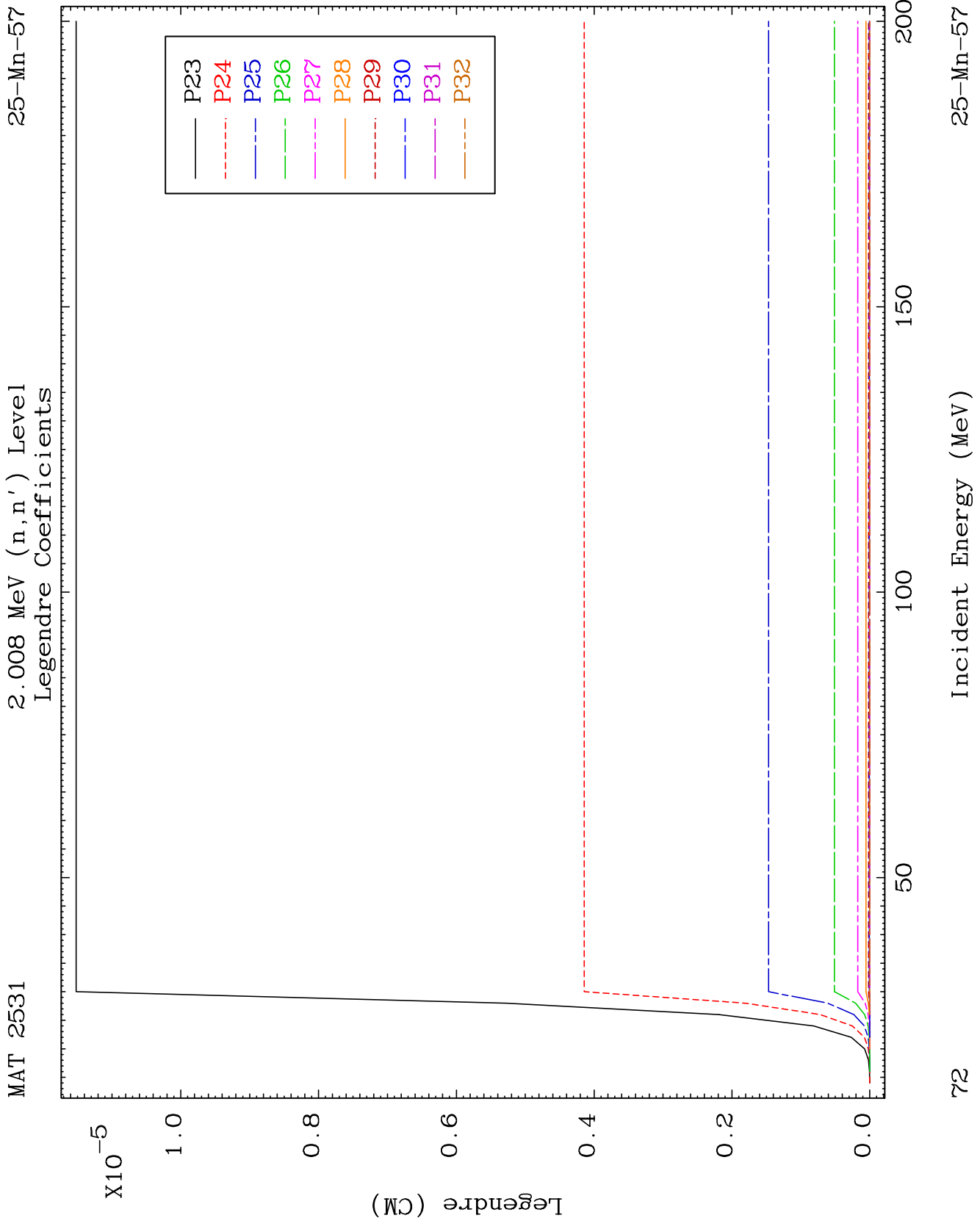
1.962 MeV (n, n') Level
Legendre Coefficients

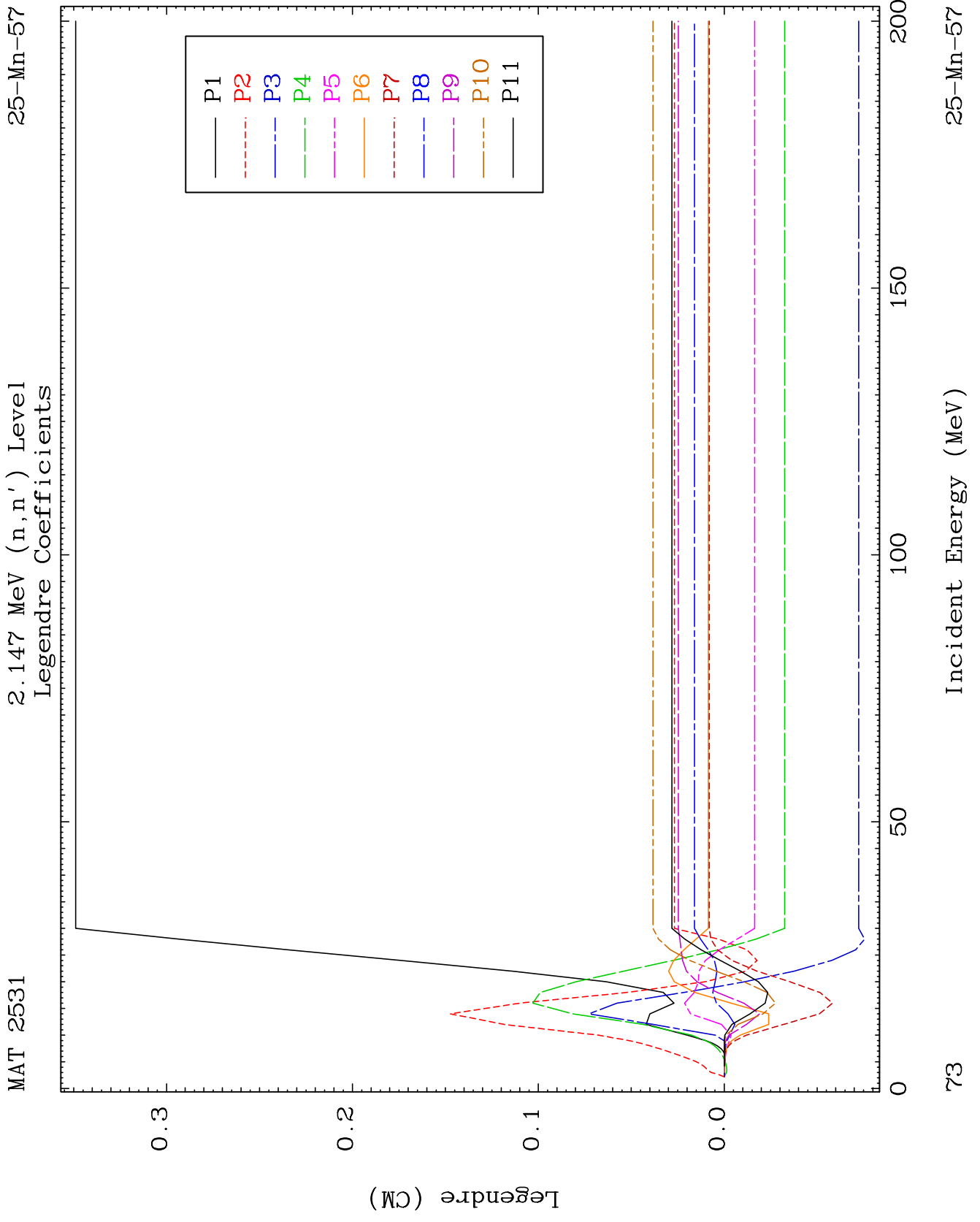
25-Mn-57







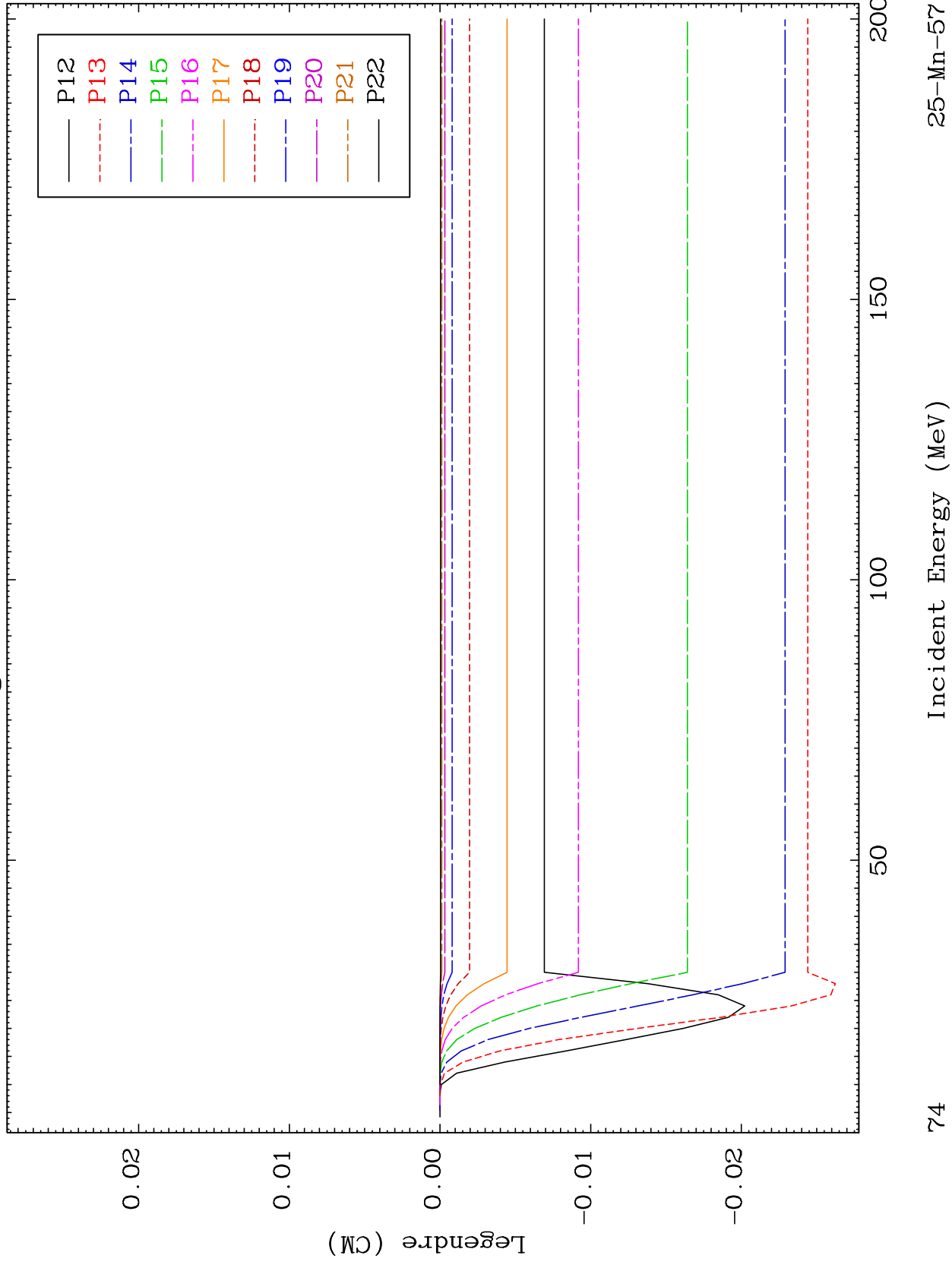




MAT 2531

2.147 MeV (n,n') Level
Legendre Coefficients

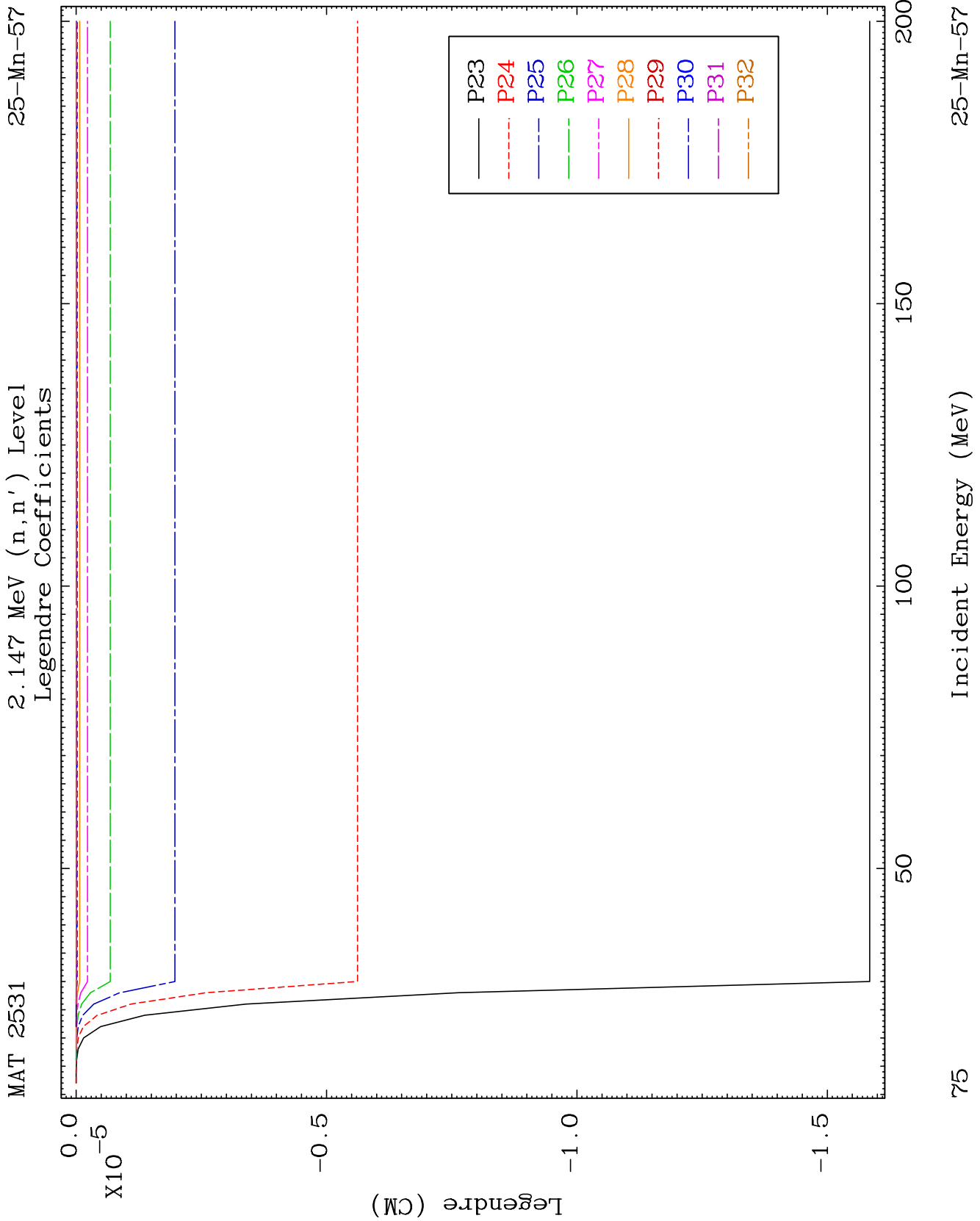
25-Mn-57

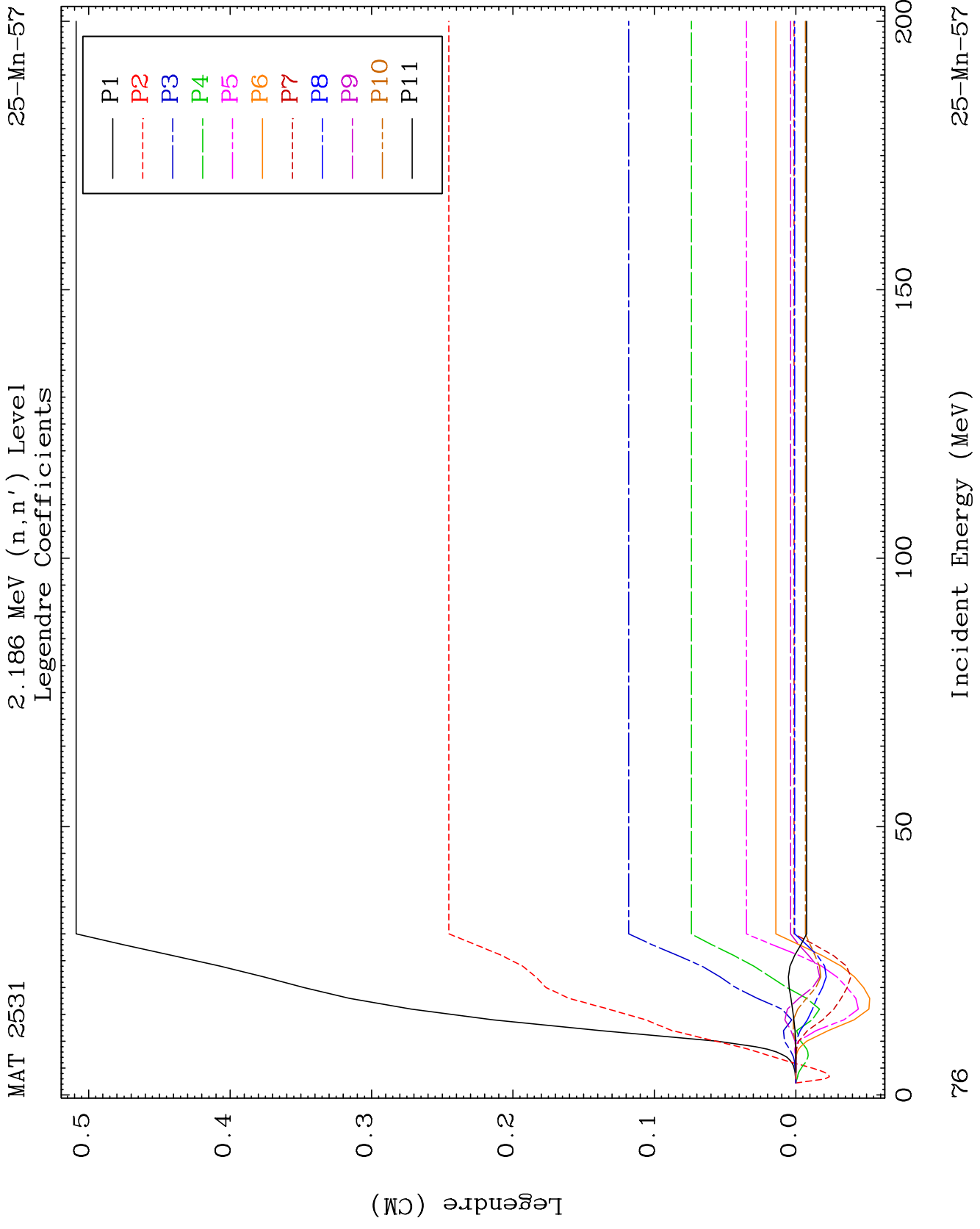


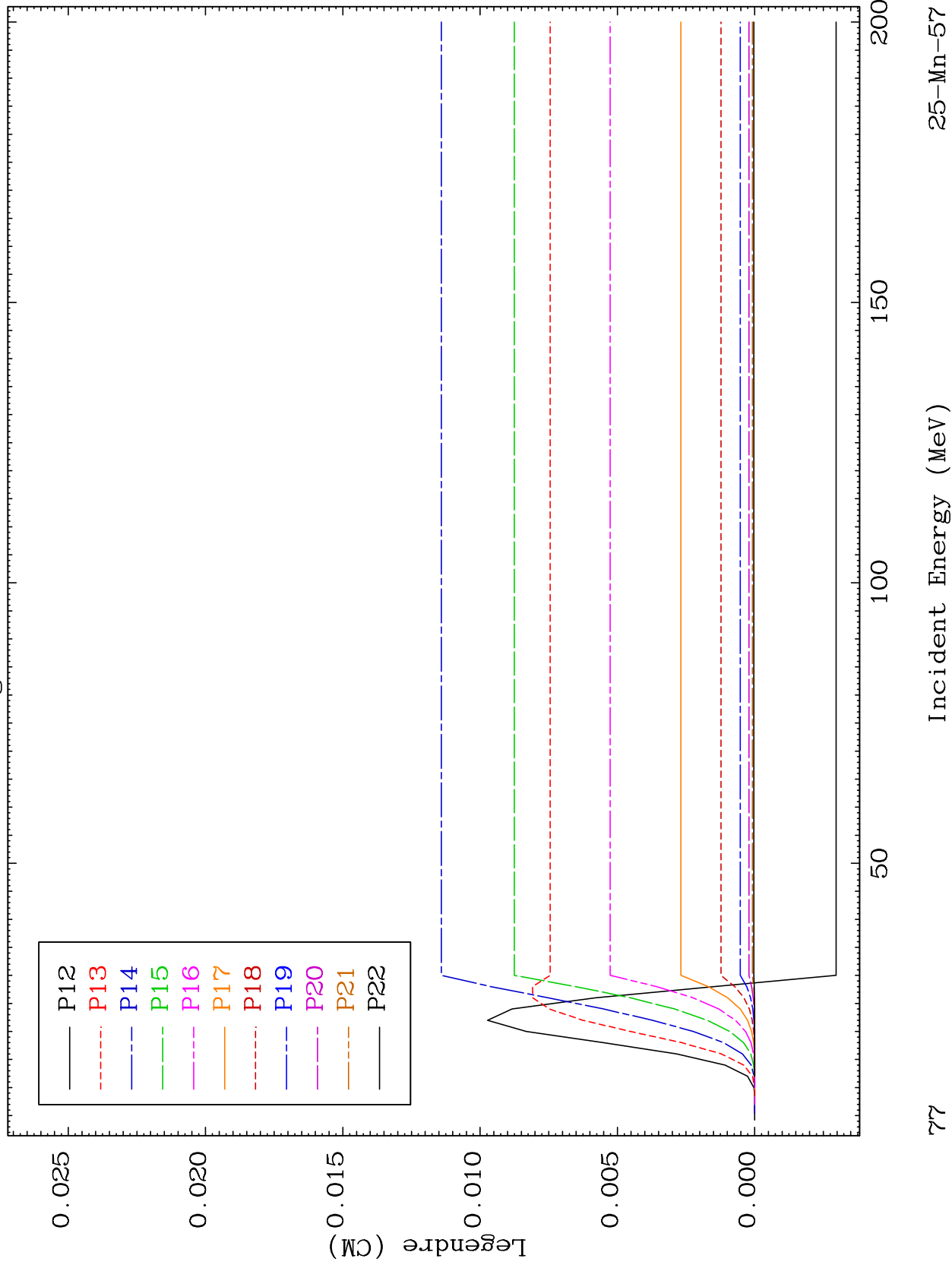
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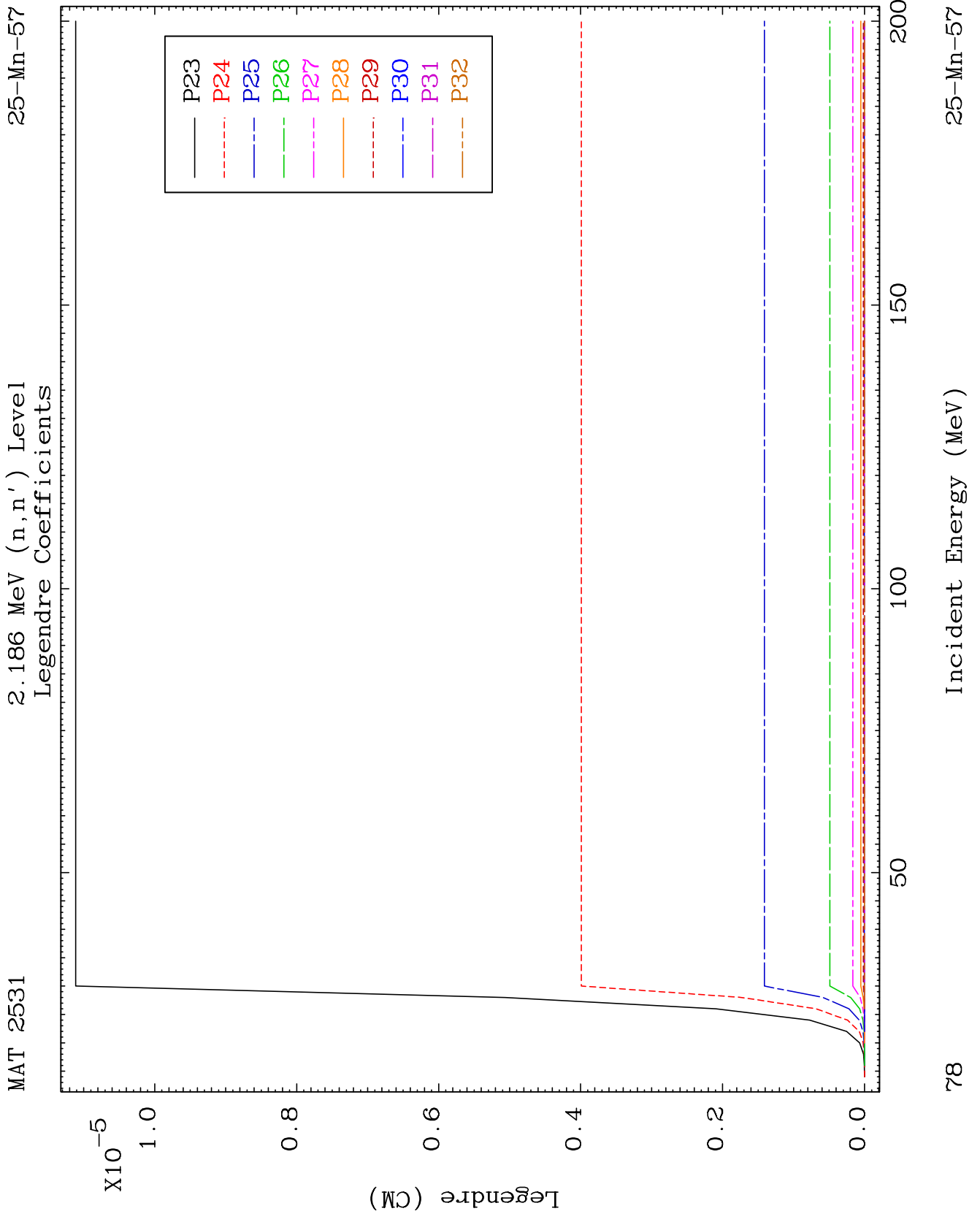
Incident Energy (MeV)

25-Mn-57





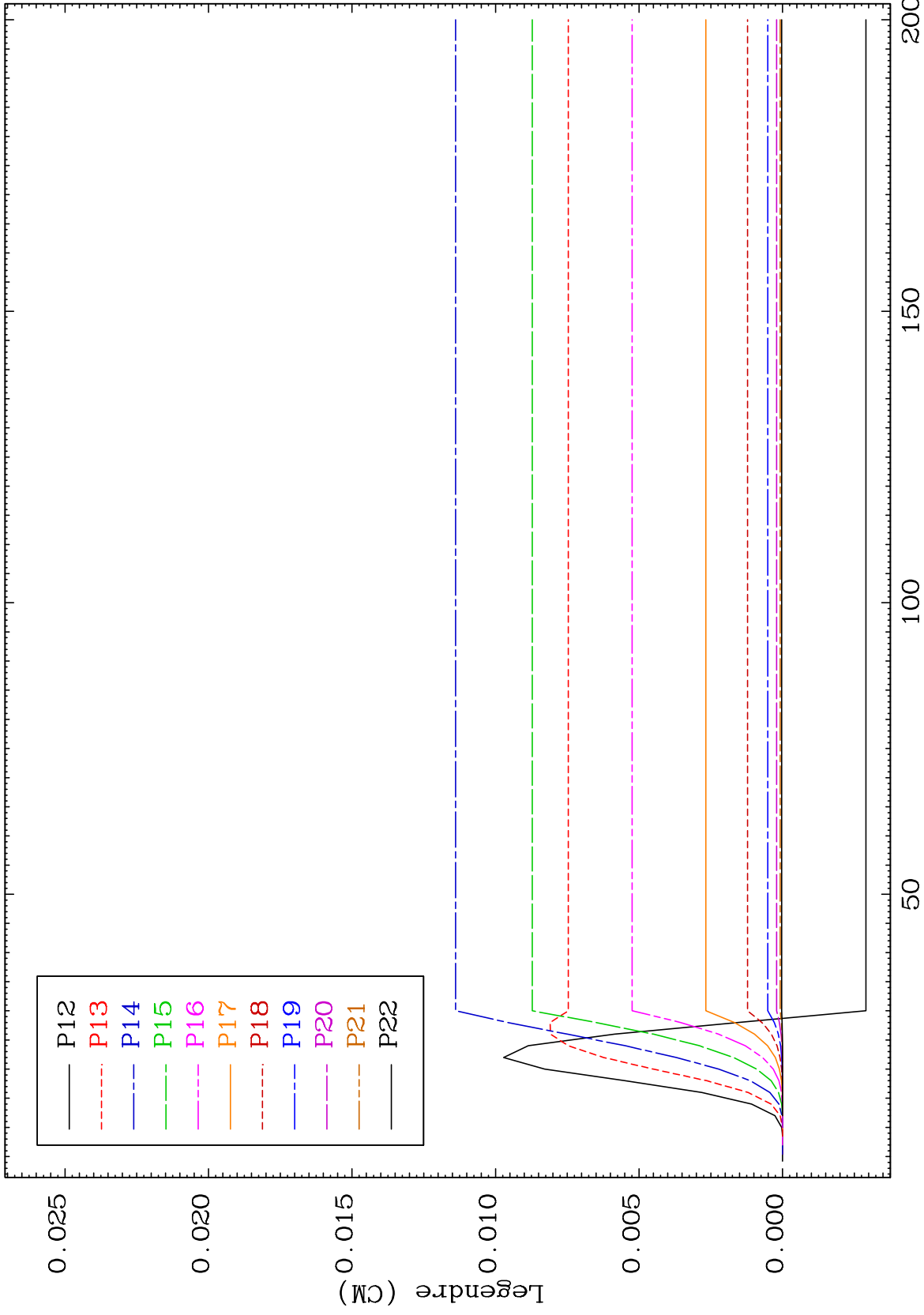




MAT 2531

2.233 MeV (n, n') Level
Legendre Coefficients

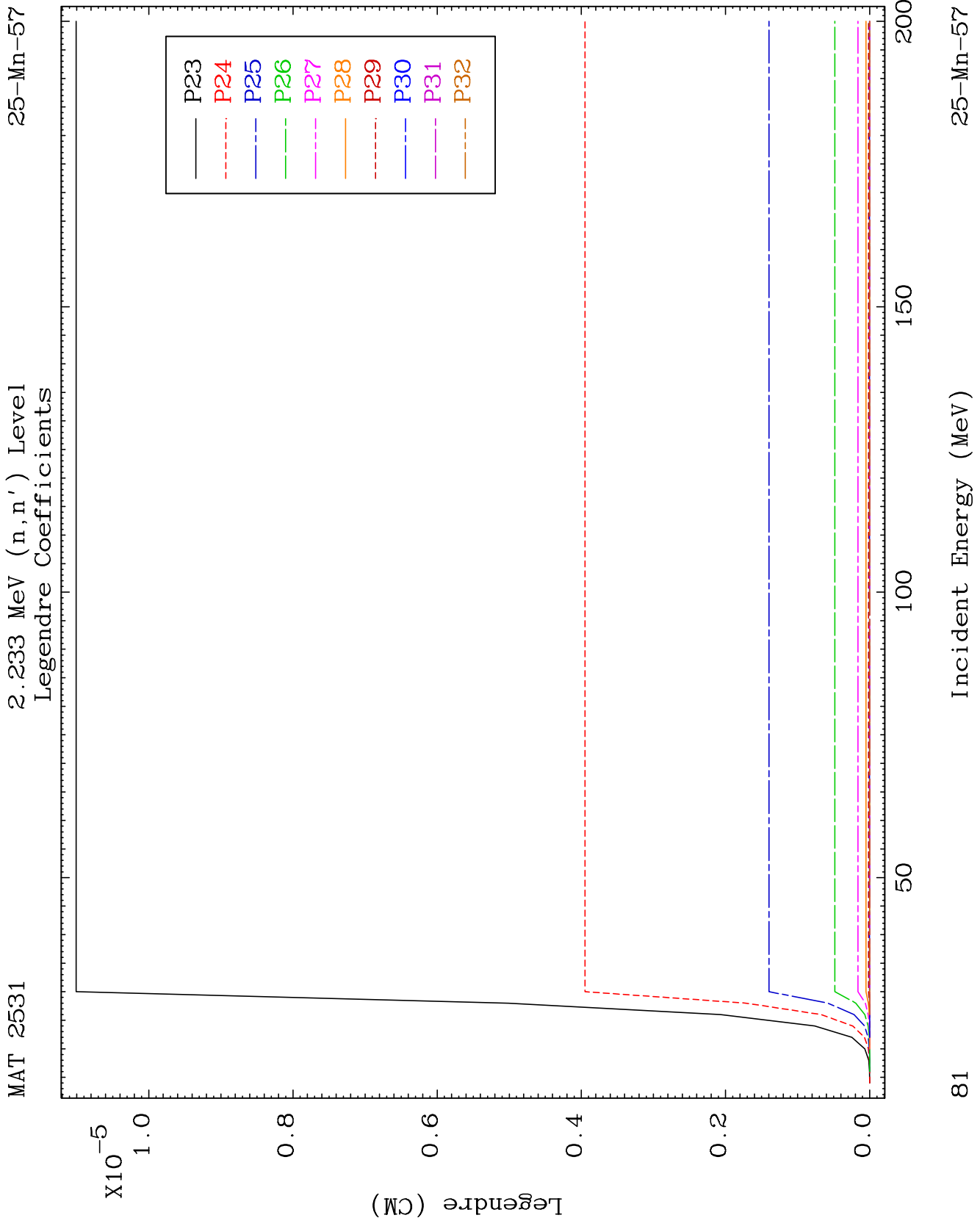
25-Mn-57

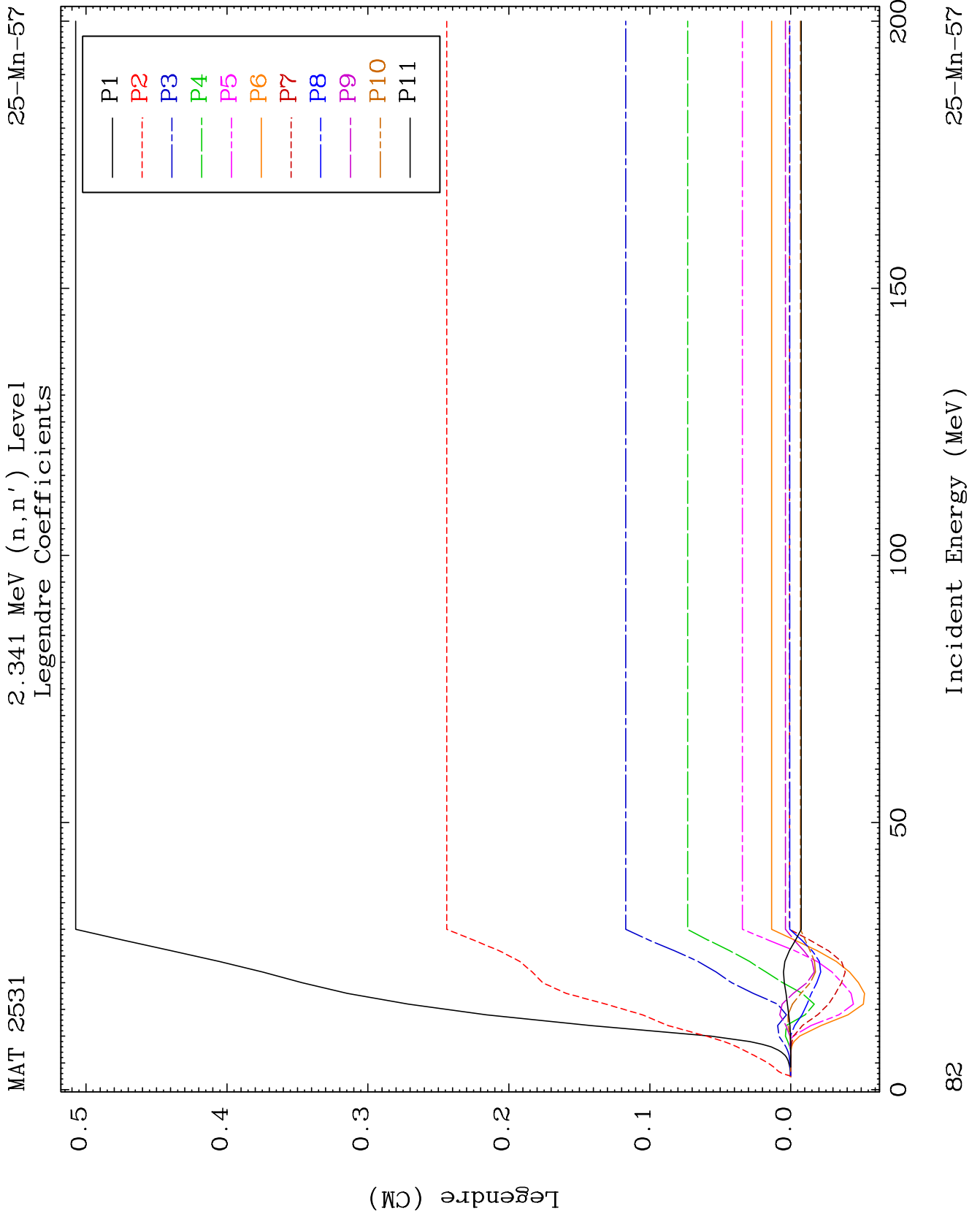


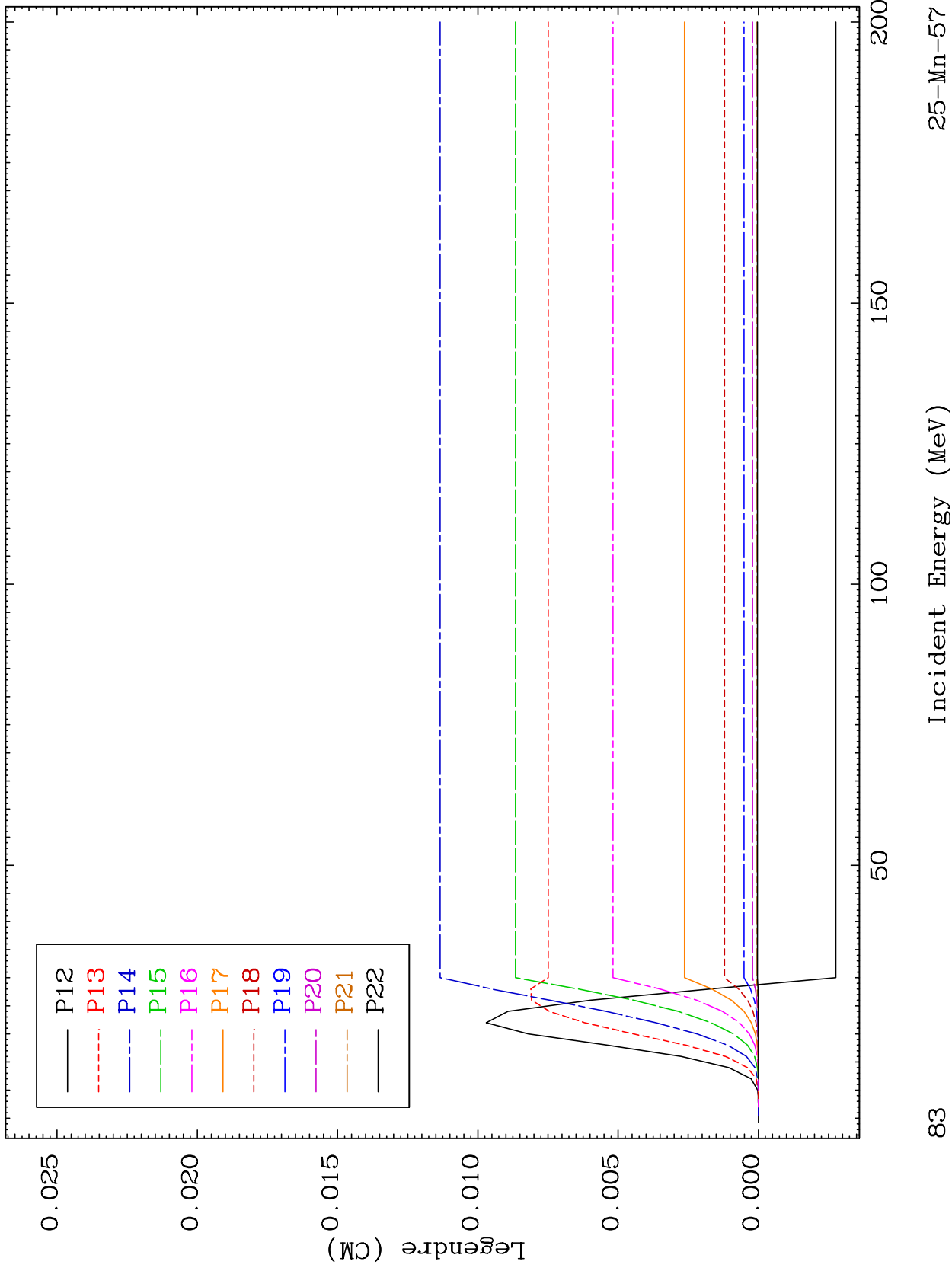
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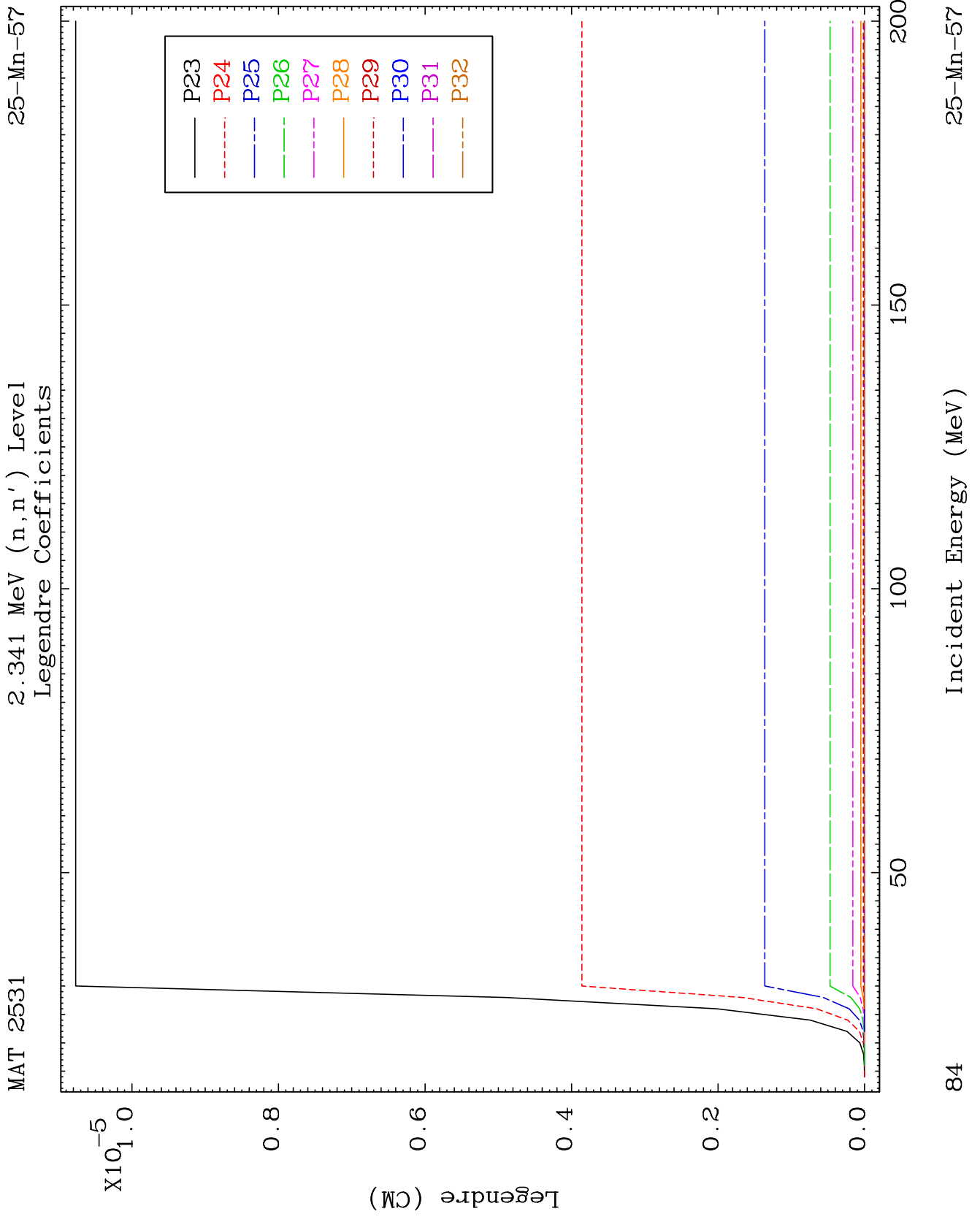
Incident Energy (MeV)

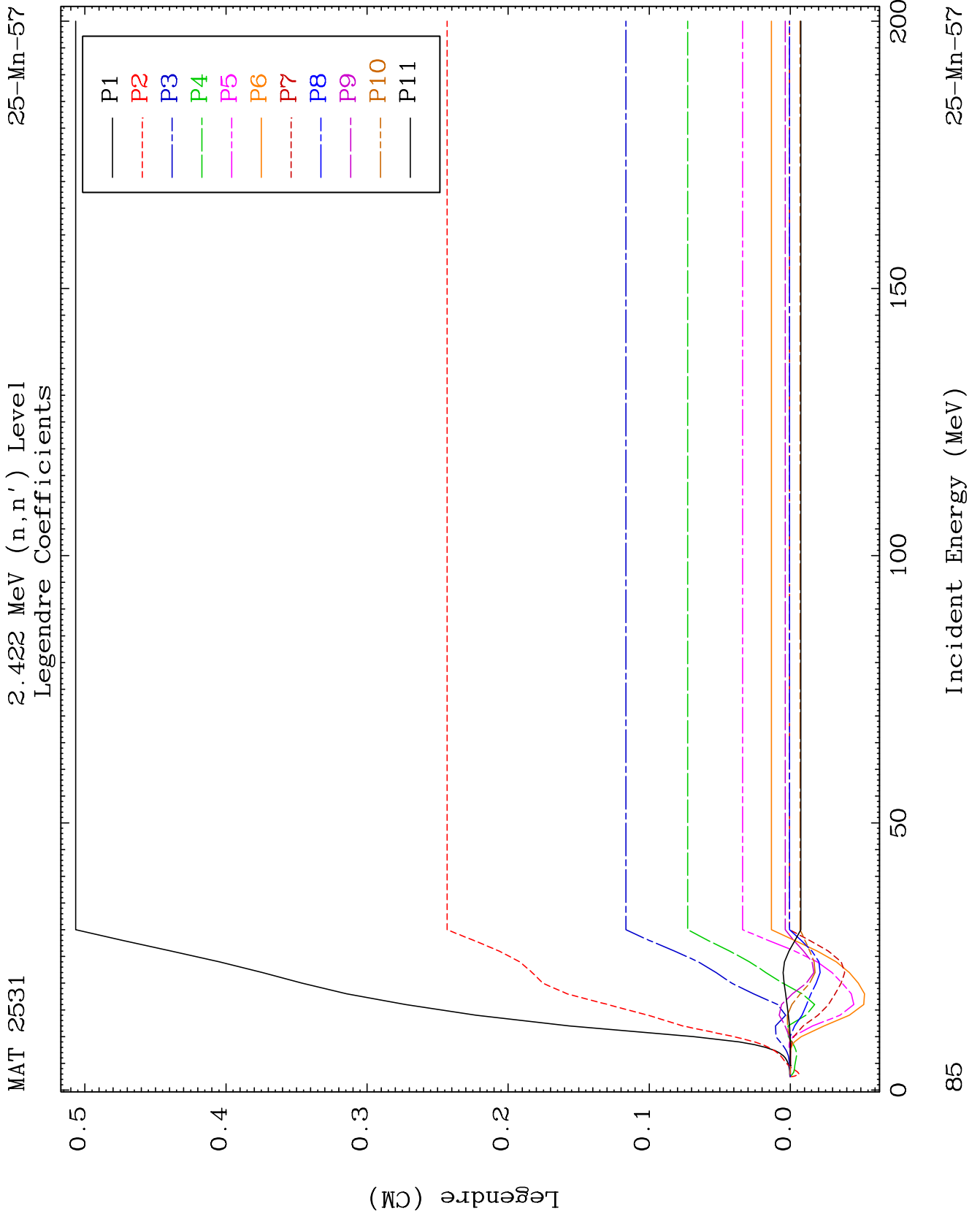
25-Mn-57

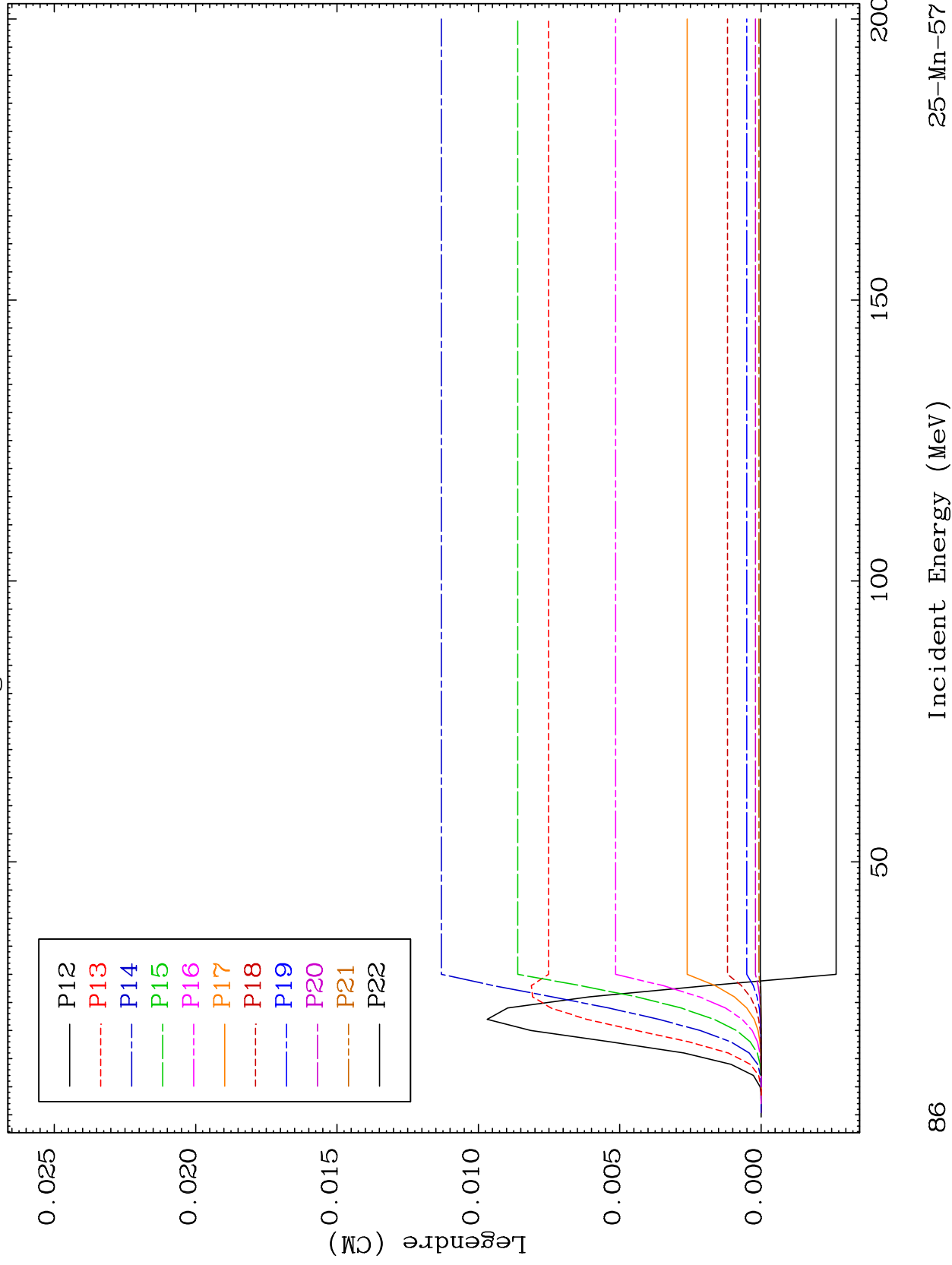


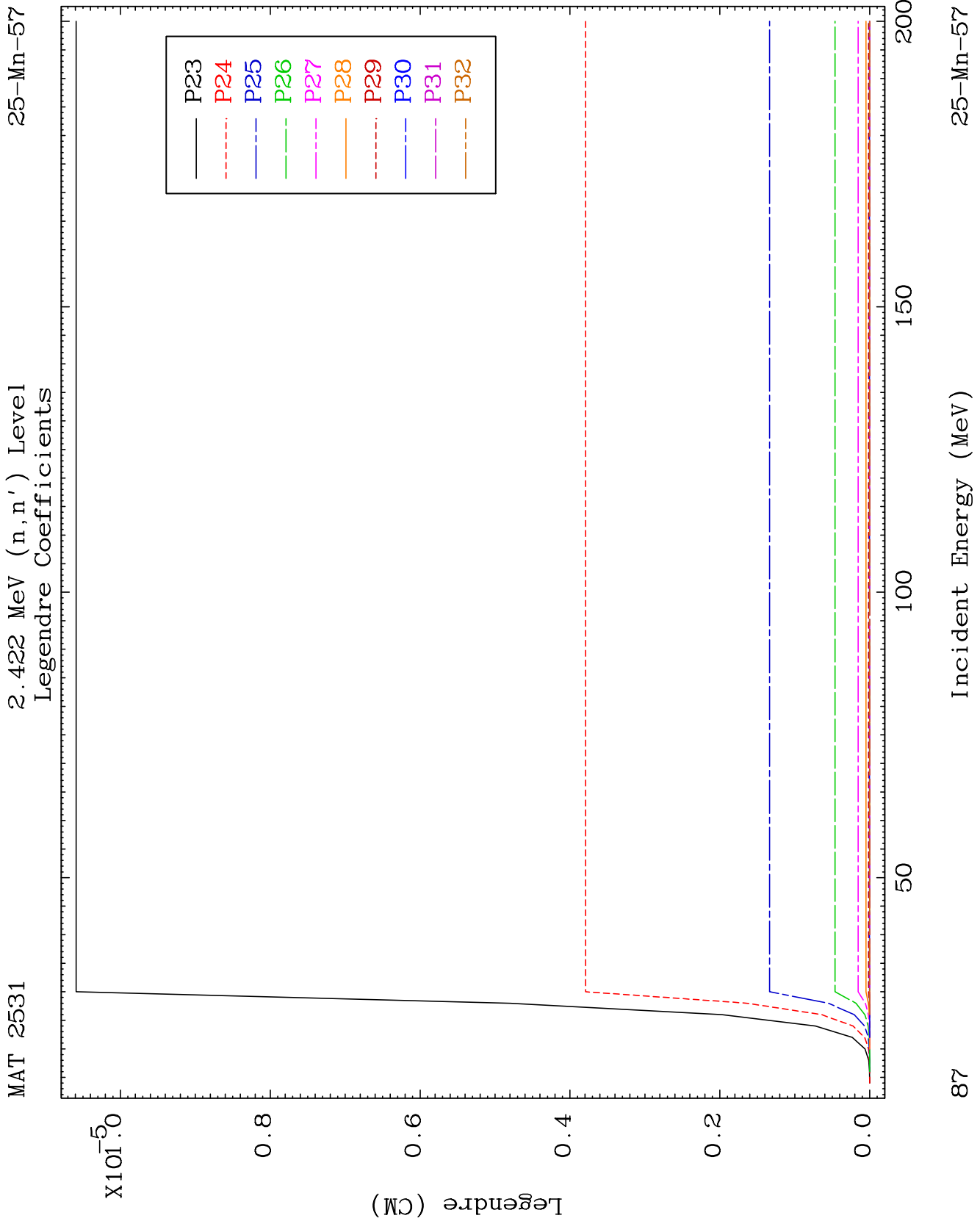


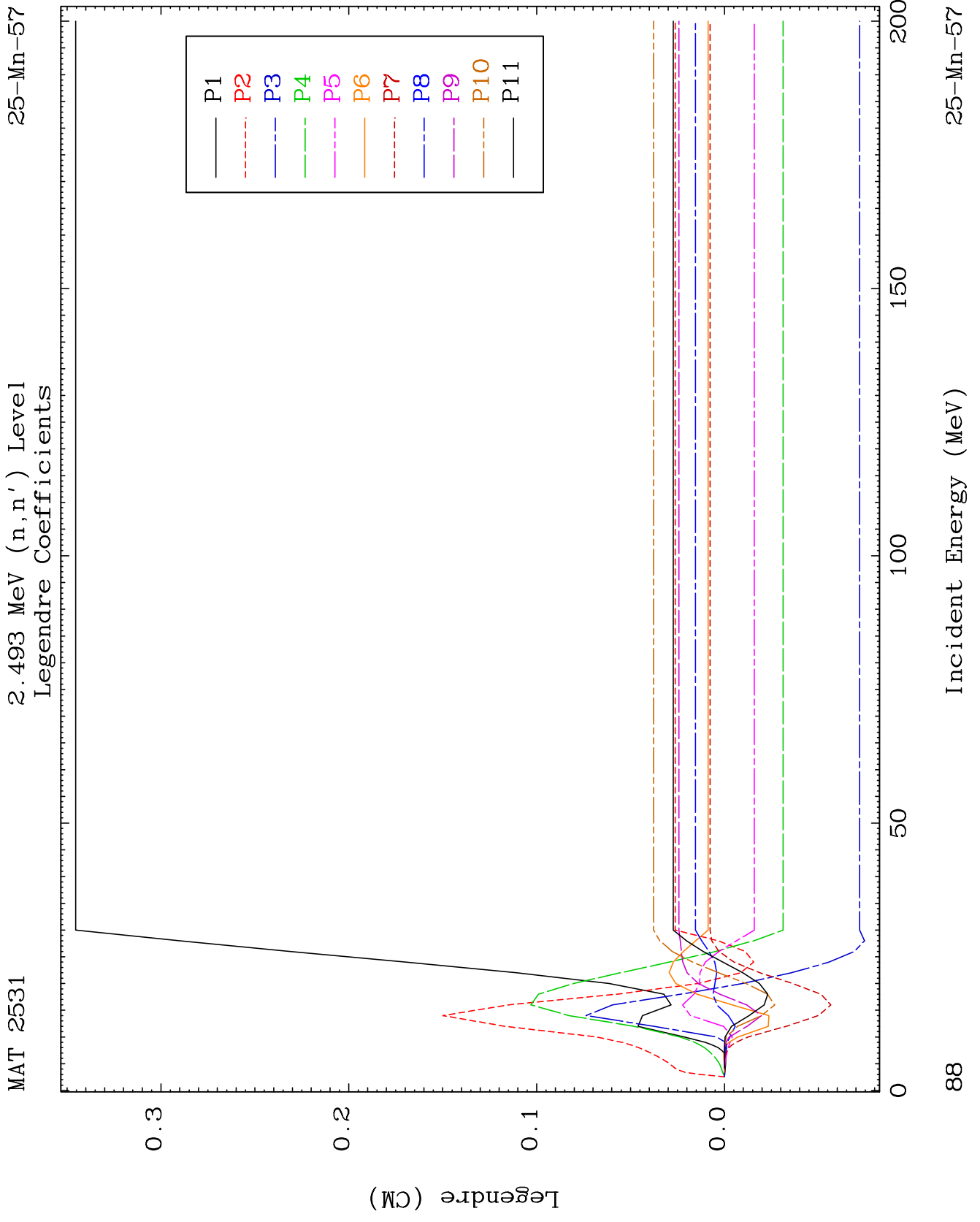


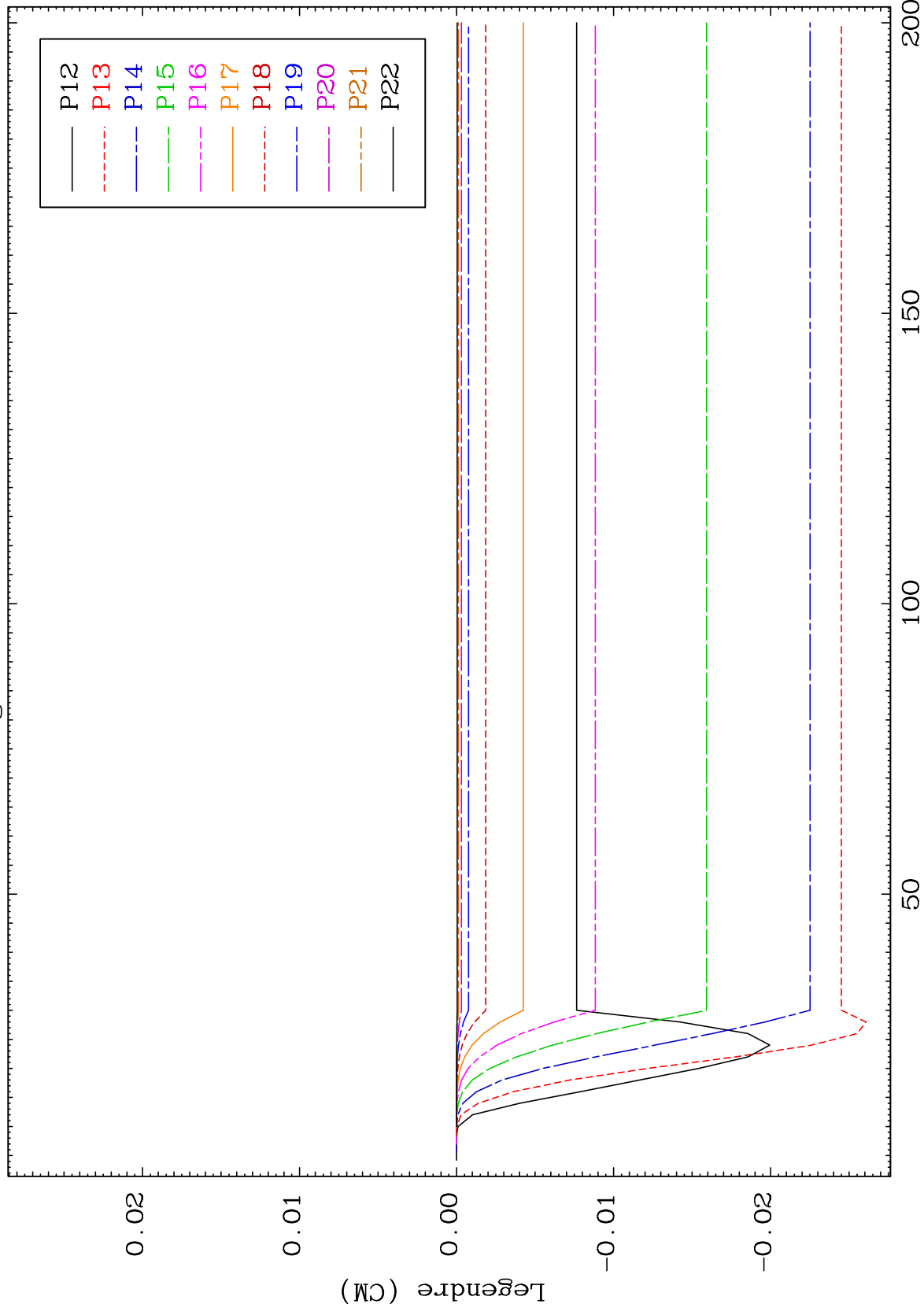


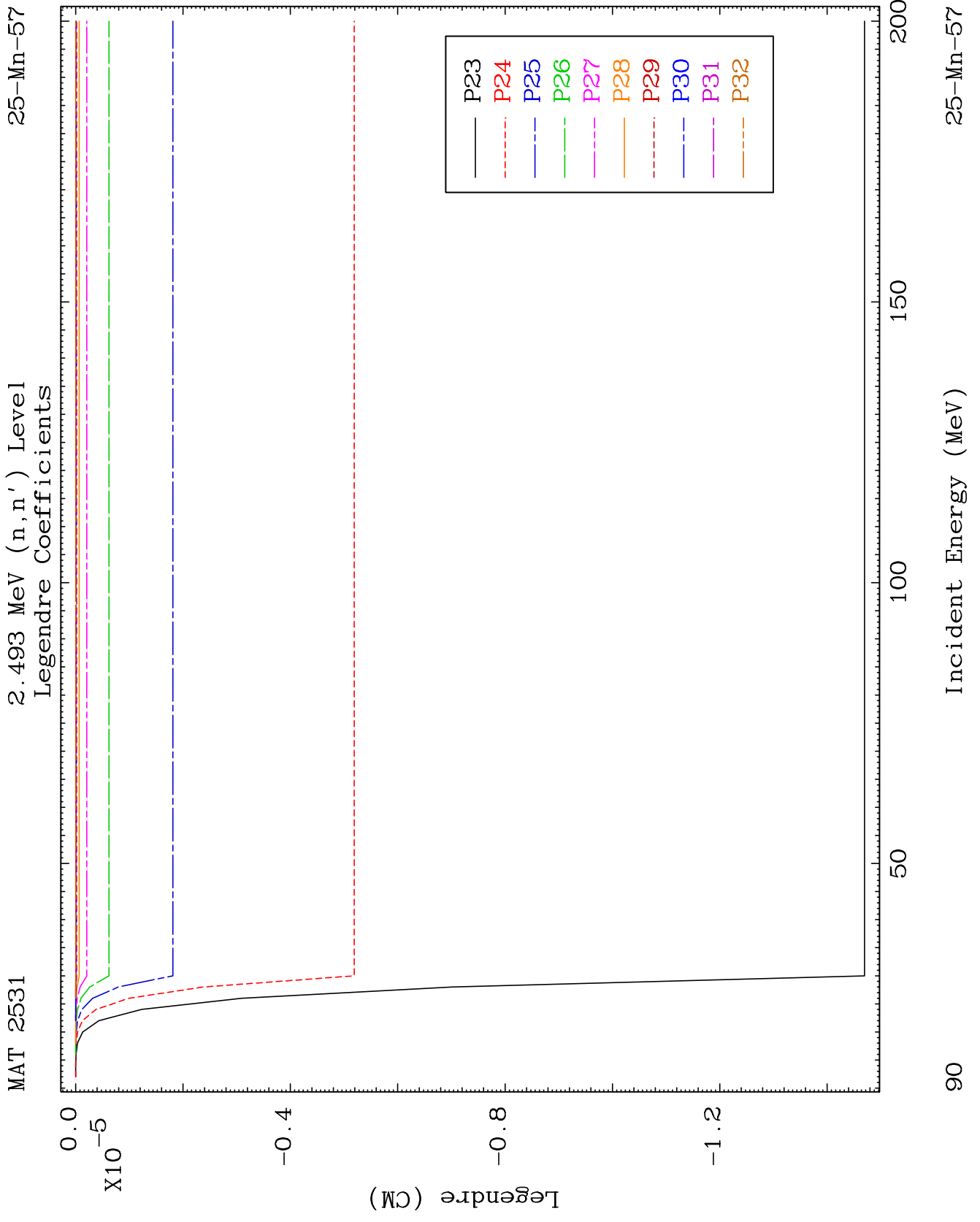








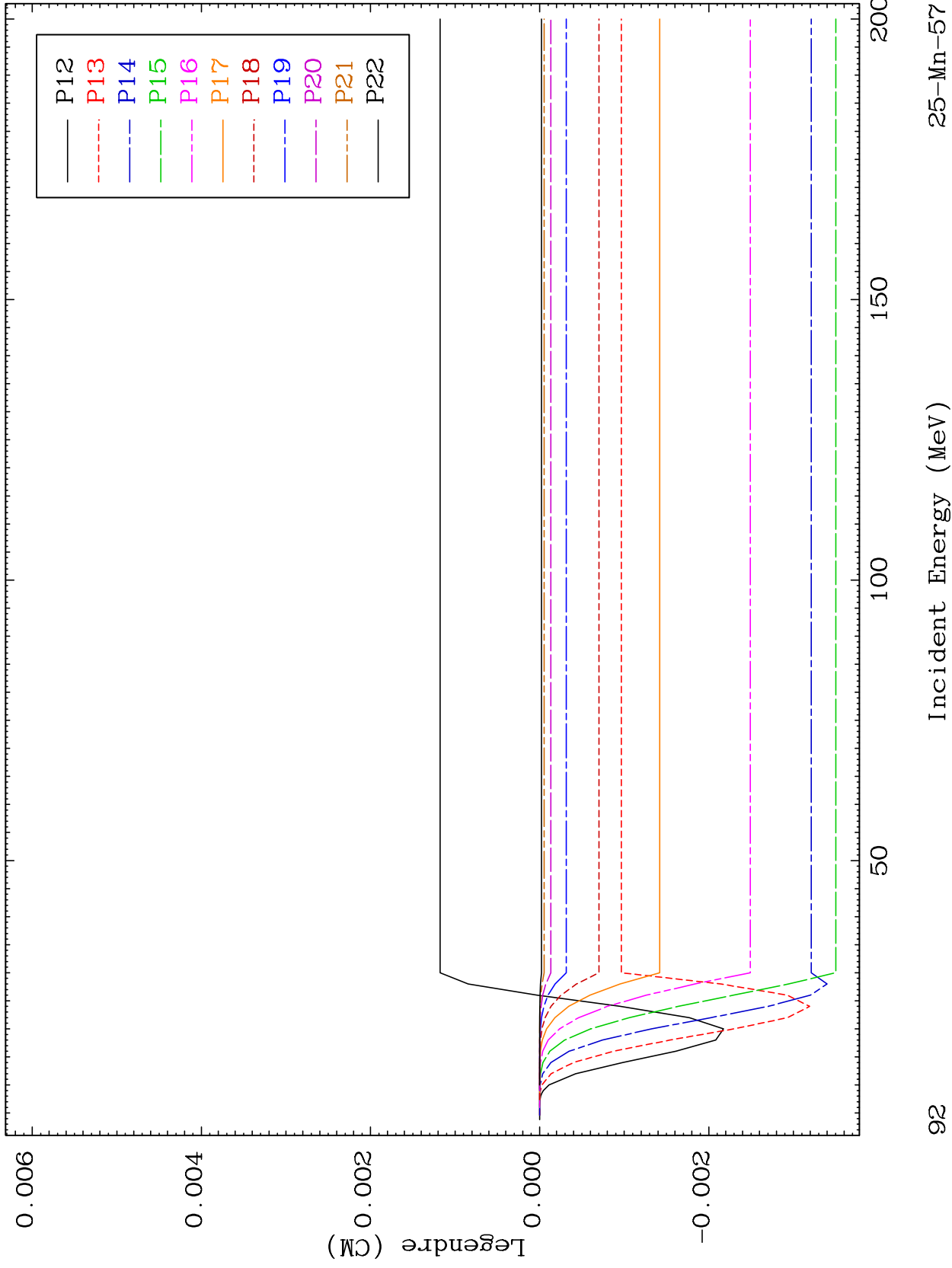




MAT 2531

2.503 MeV (n,n') Level
Legendre Coefficients

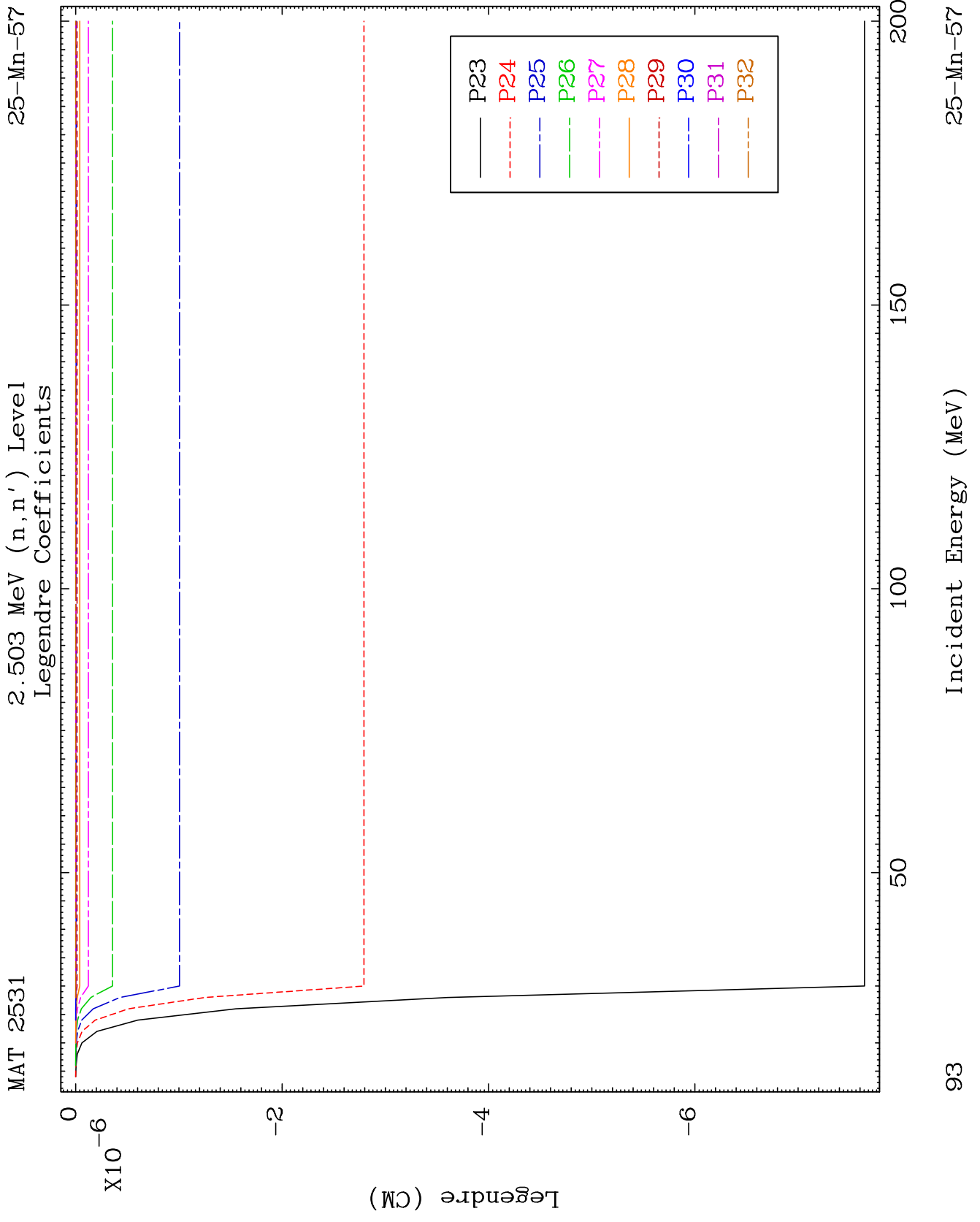
25-Mn-57

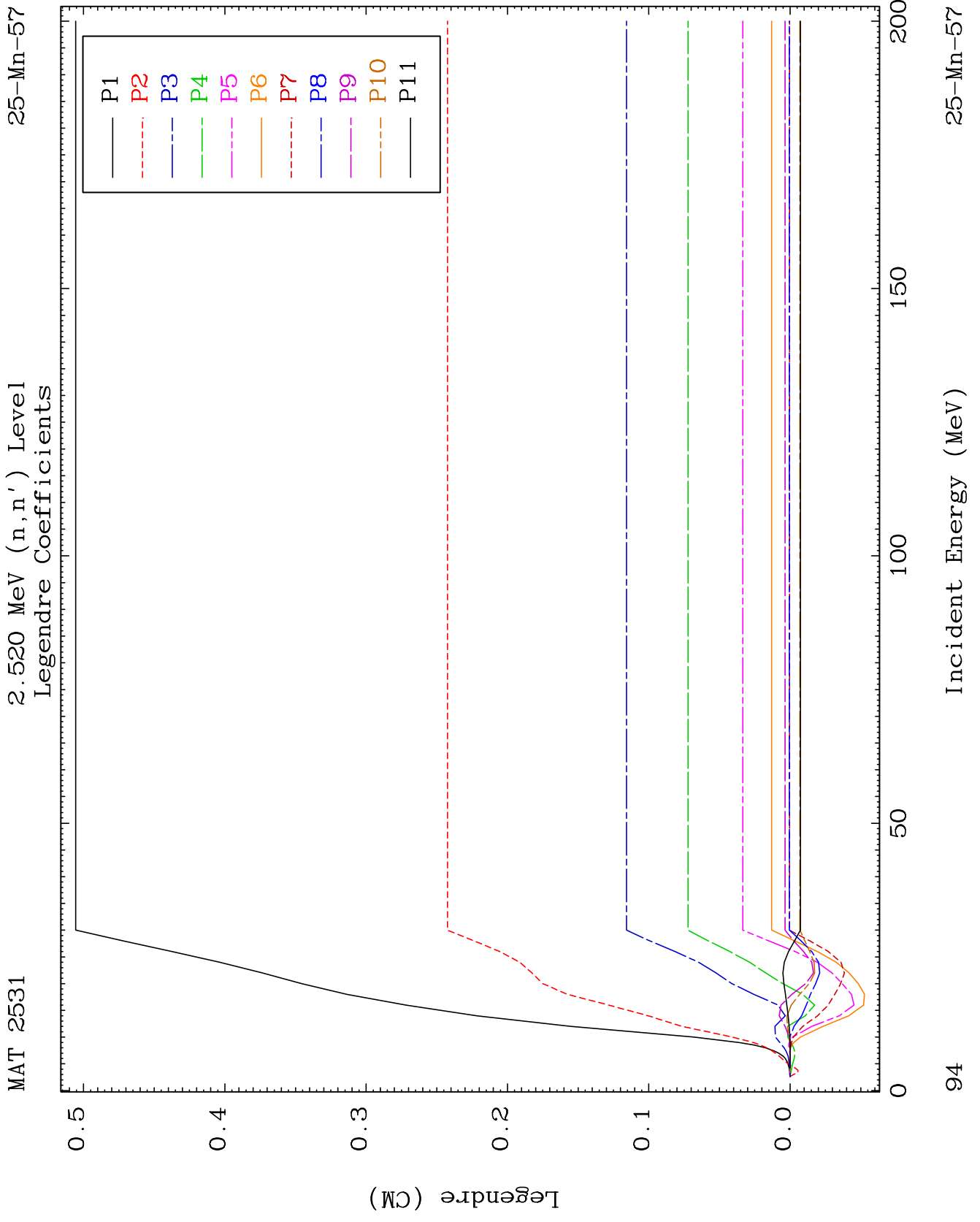


92

Incident Energy (MeV)

25-Mn-57

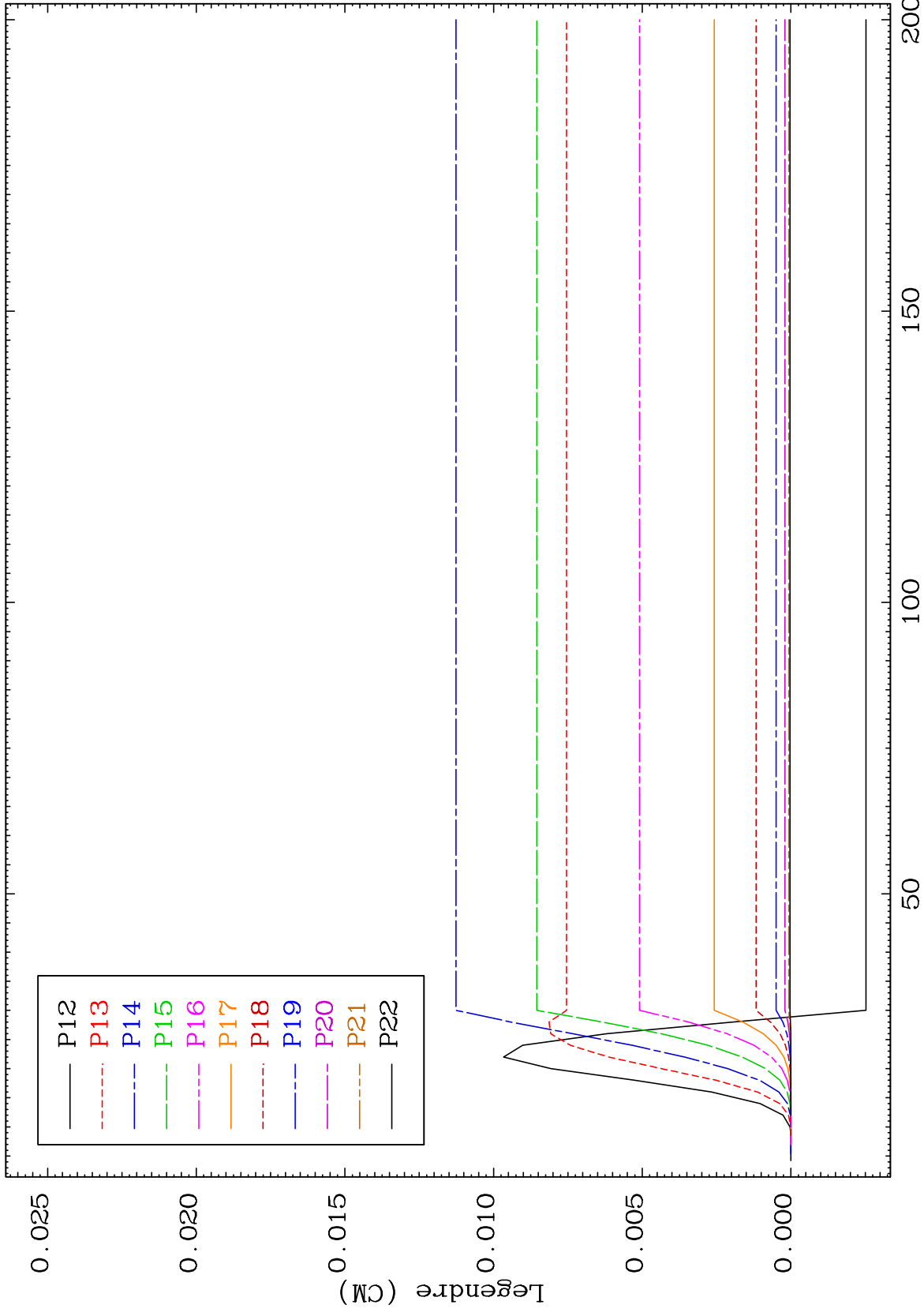




MAT 2531

2.520 MeV (n, n') Level
Legendre Coefficients

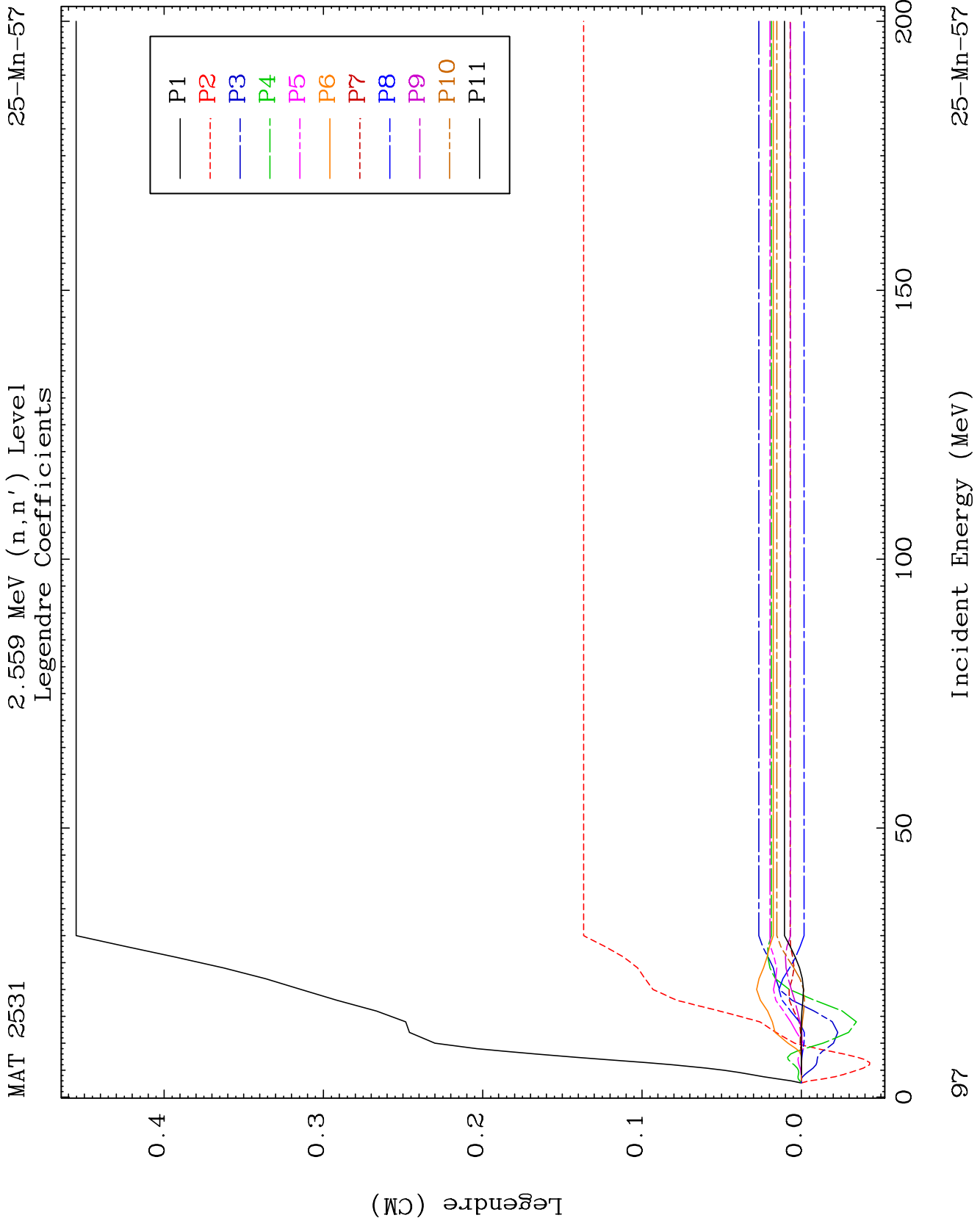
25-Mn-57



95

Incident Energy (MeV)

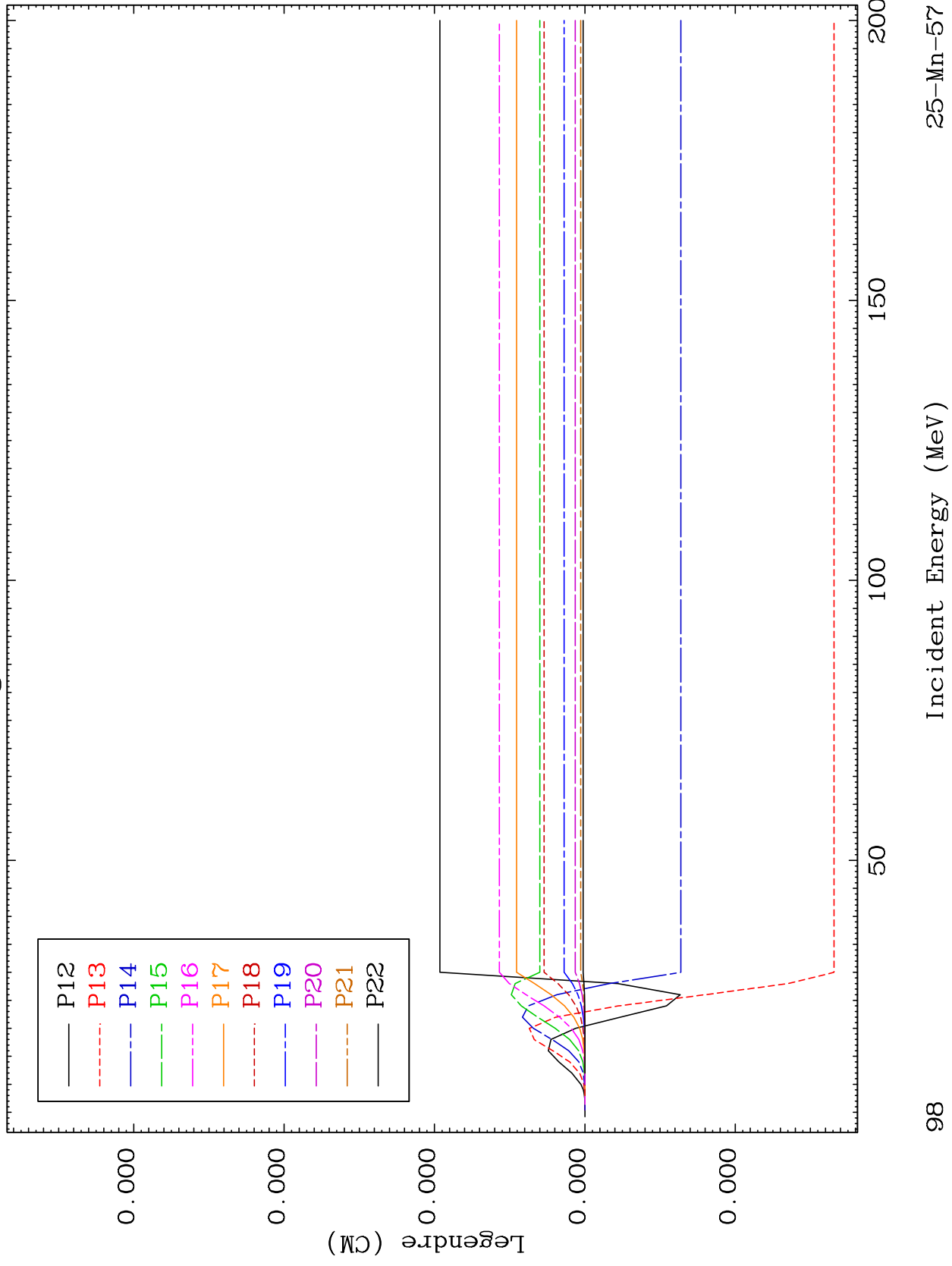
25-Mn-57

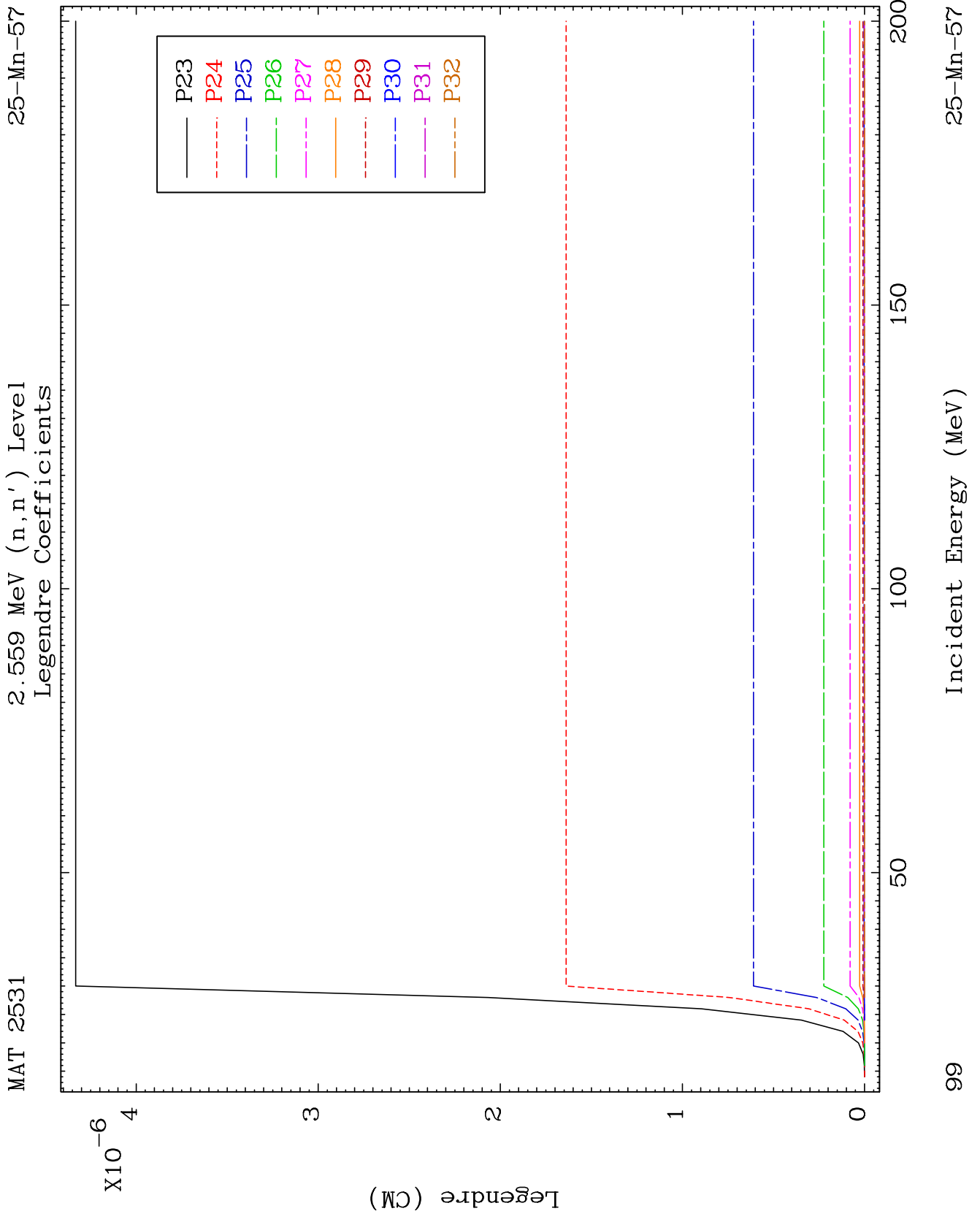


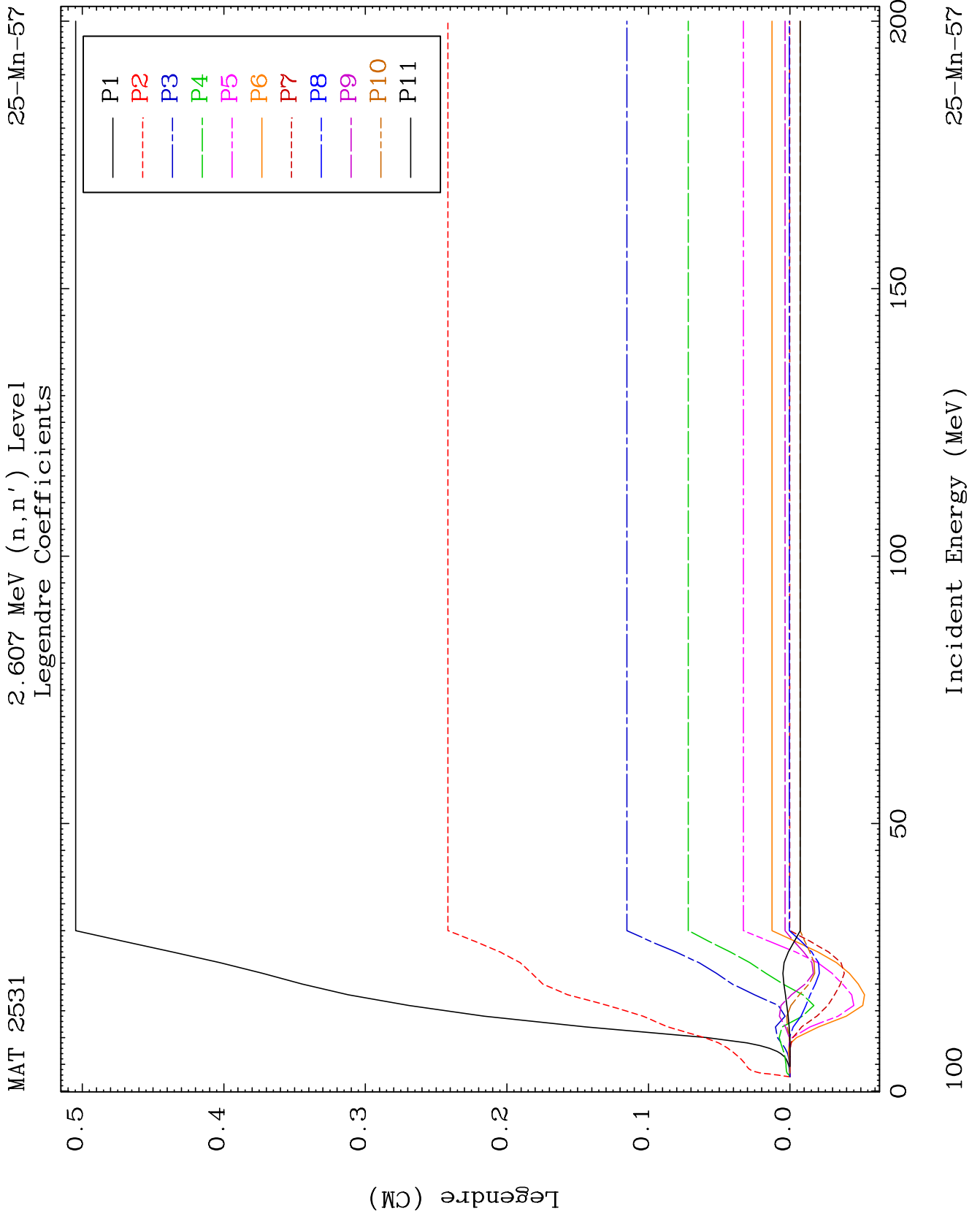
MAT 2531

2.559 MeV (n,n') Level
Legendre Coefficients

25-Mn-57



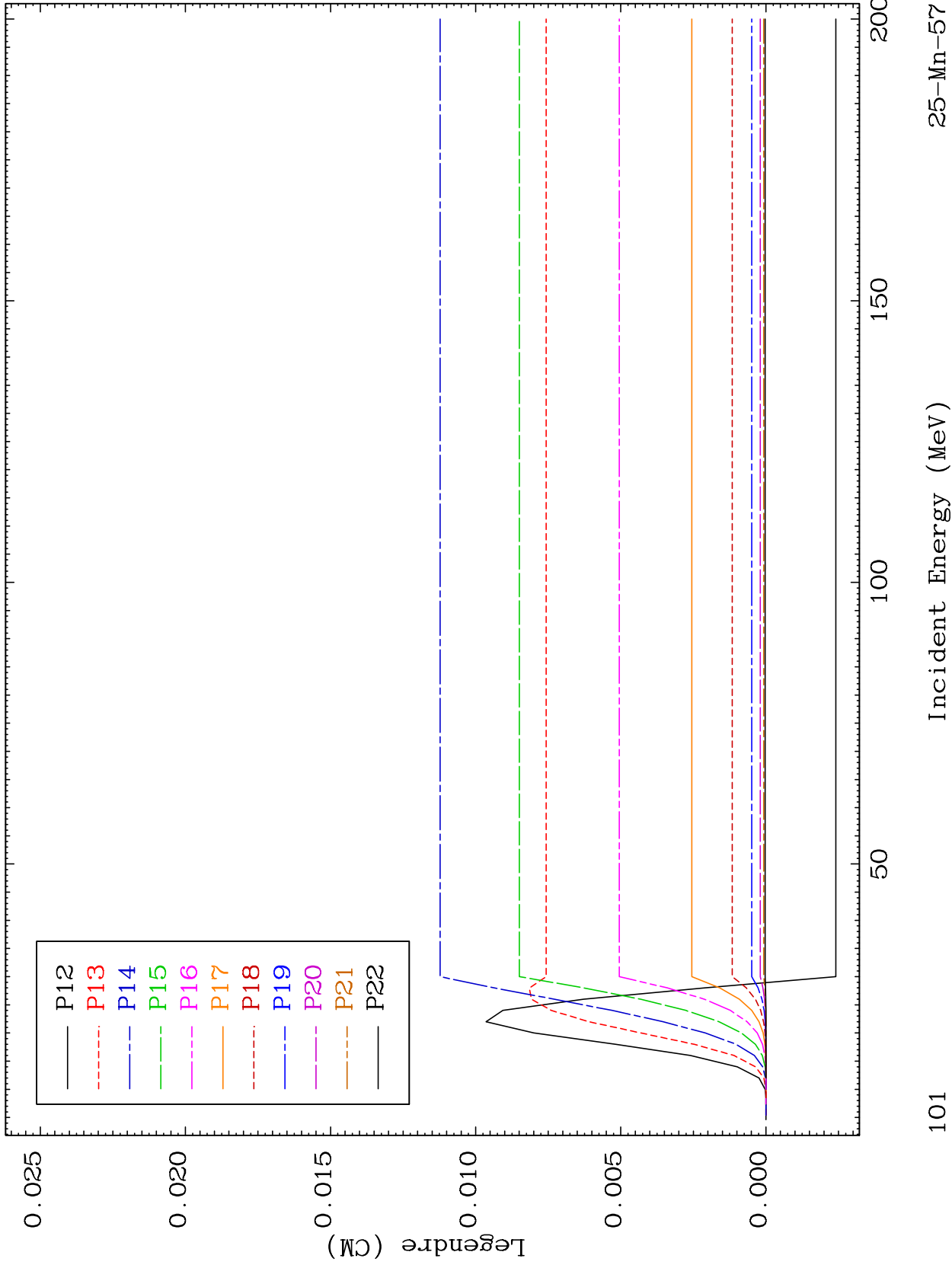




MAT 2531

2.607 MeV (n, n') Level
Legendre Coefficients

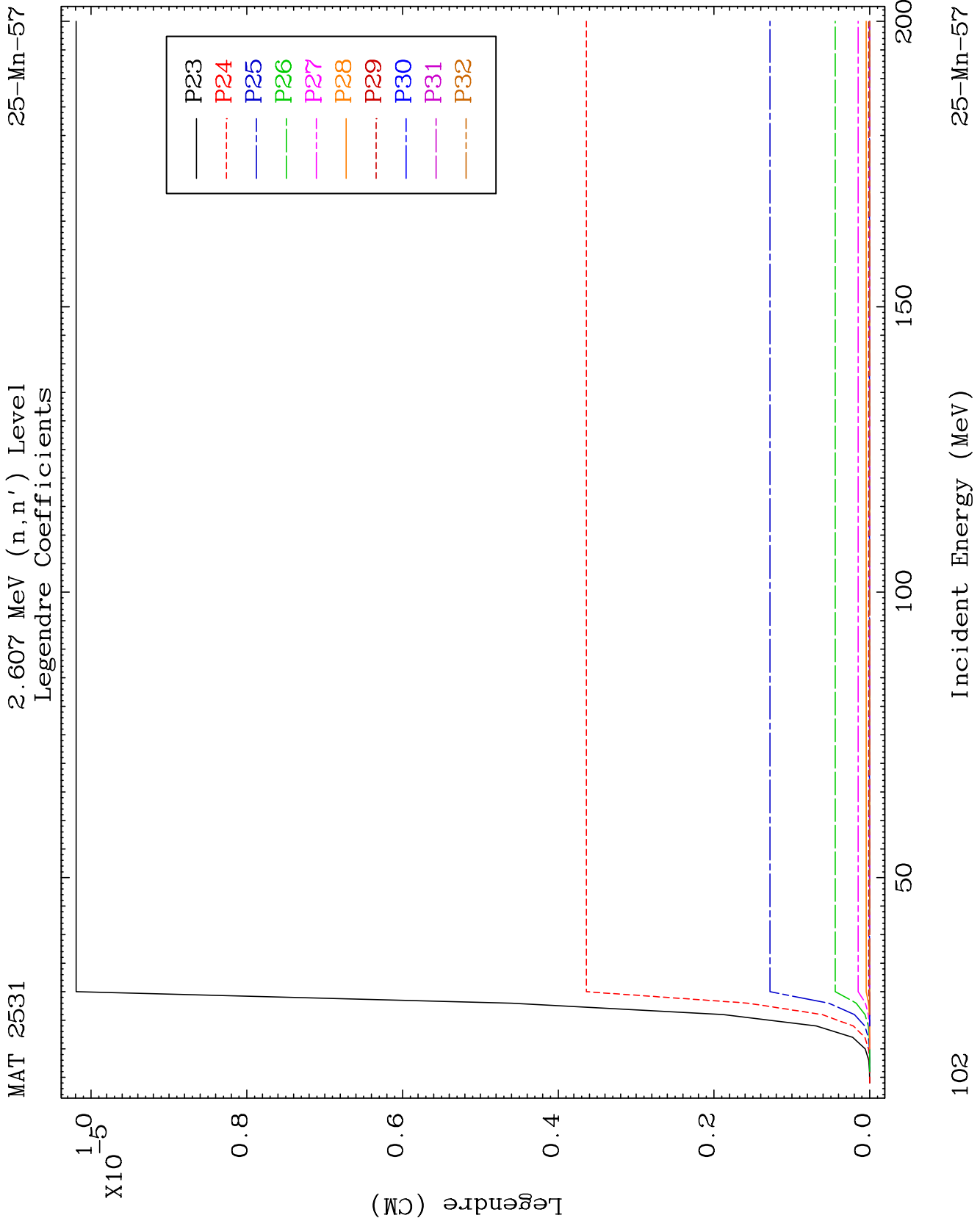
25-Mn-57



101

Incident Energy (MeV)

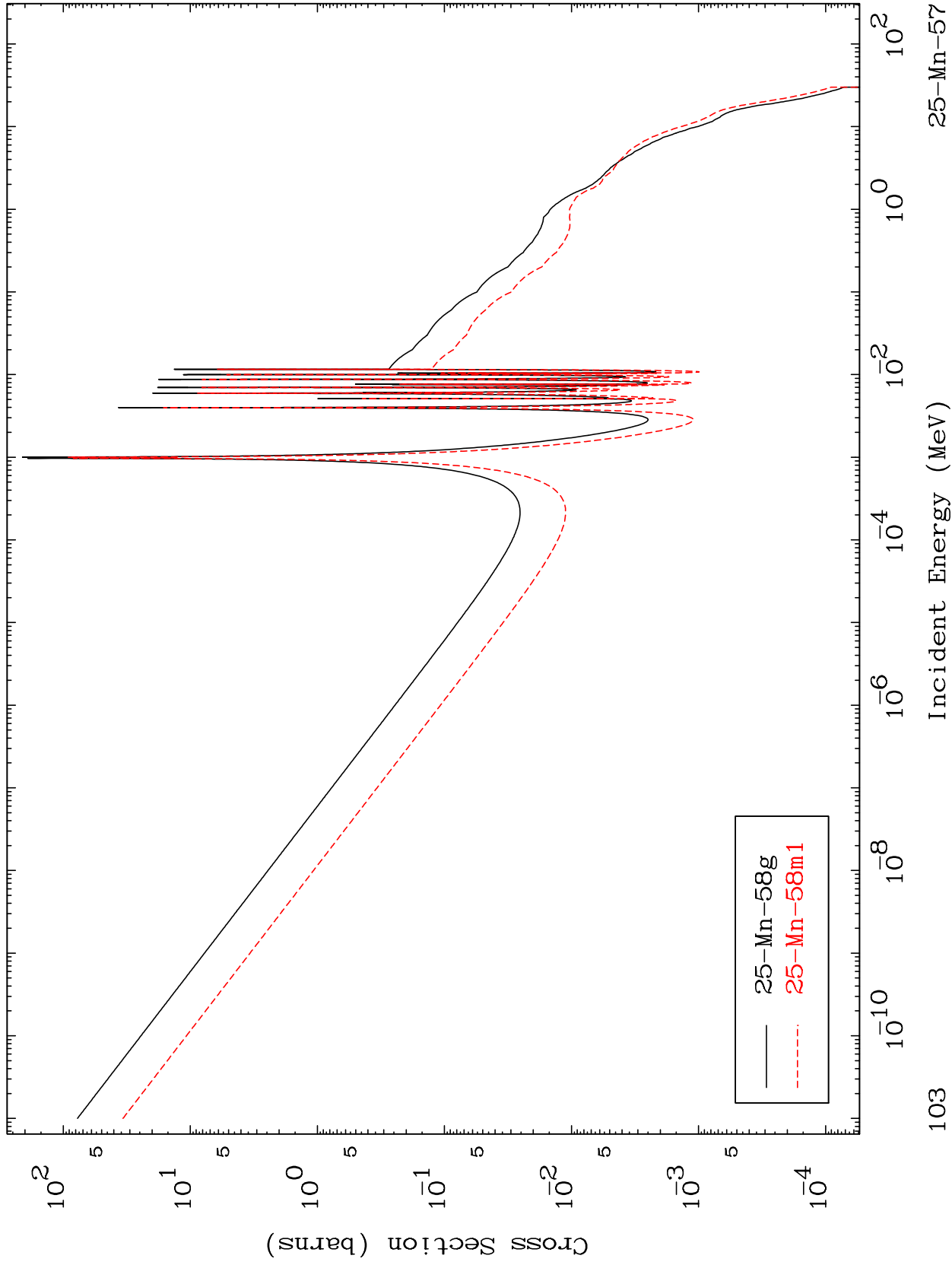
25-Mn-57



MAT 2531

25-Mn-57

(n, γ)
Radionuclide Production Cross Section



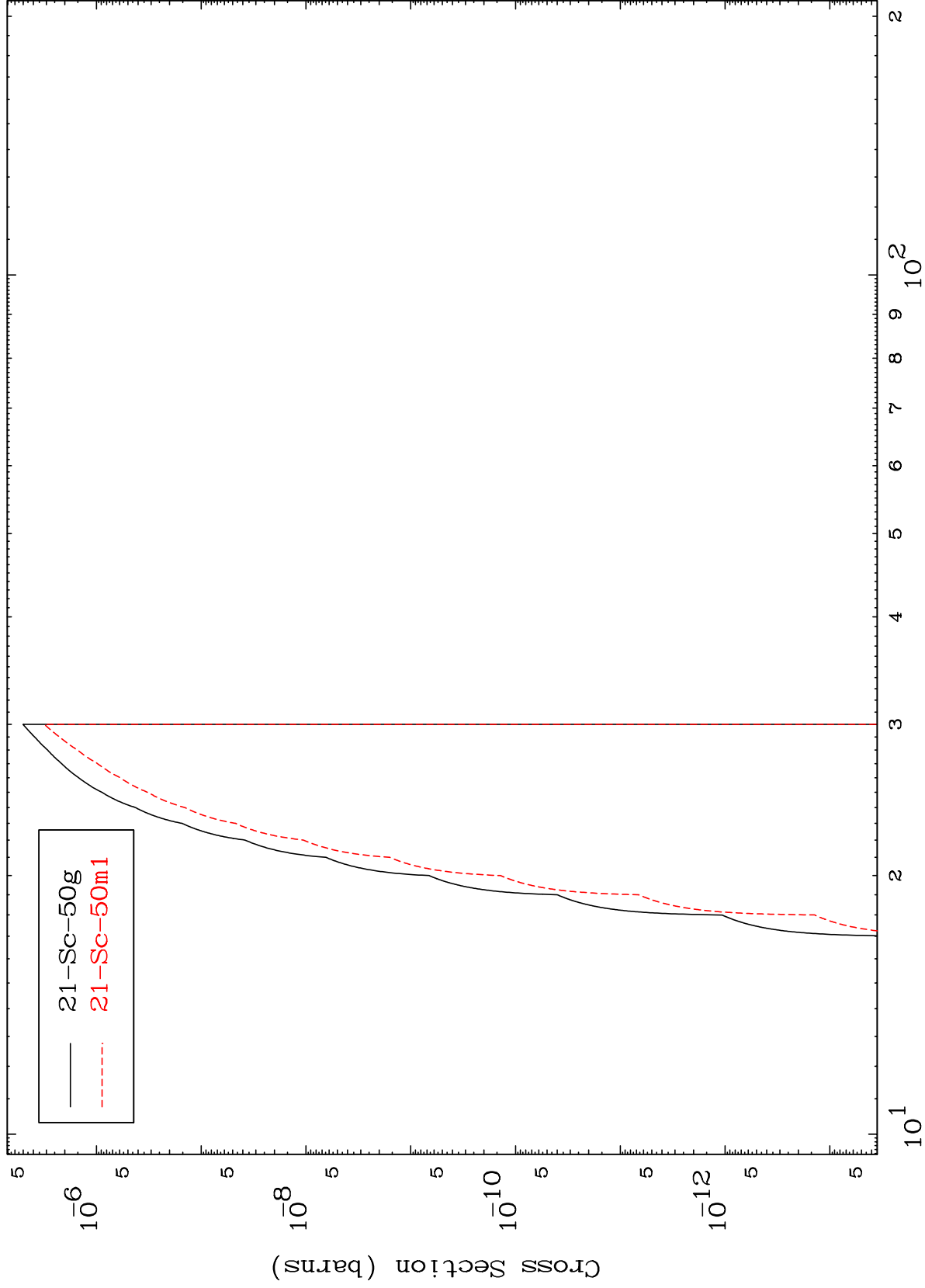
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MAT 2531

(n,2α)

25-Mn-57

Radionuclide Production Cross Section



Incident Energy (MeV)

25-Mn-57

10⁴