

Program EVALPLOT  
(Version 2015-2)

by

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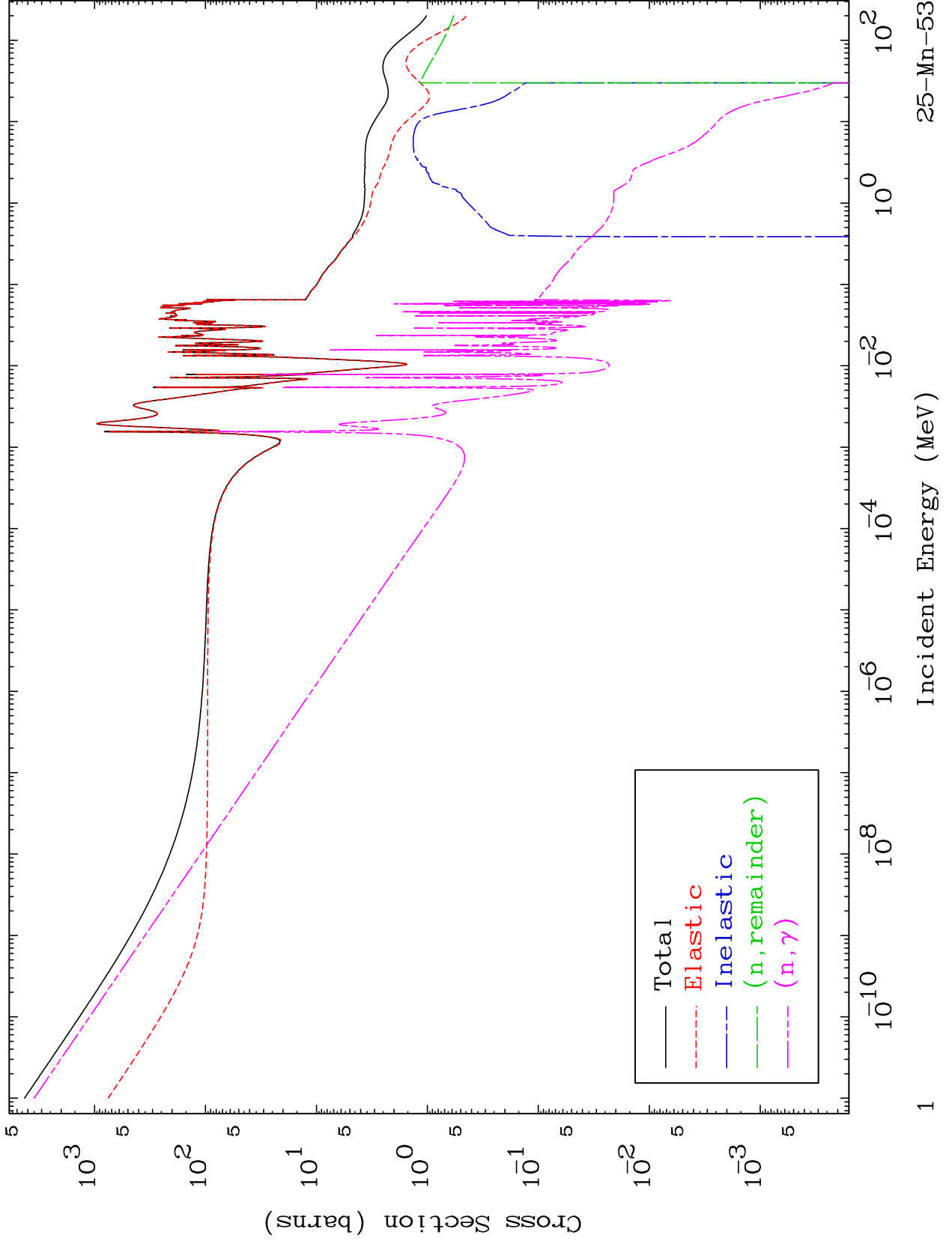
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 2519

Major  
293 Kelvin Cross Sections

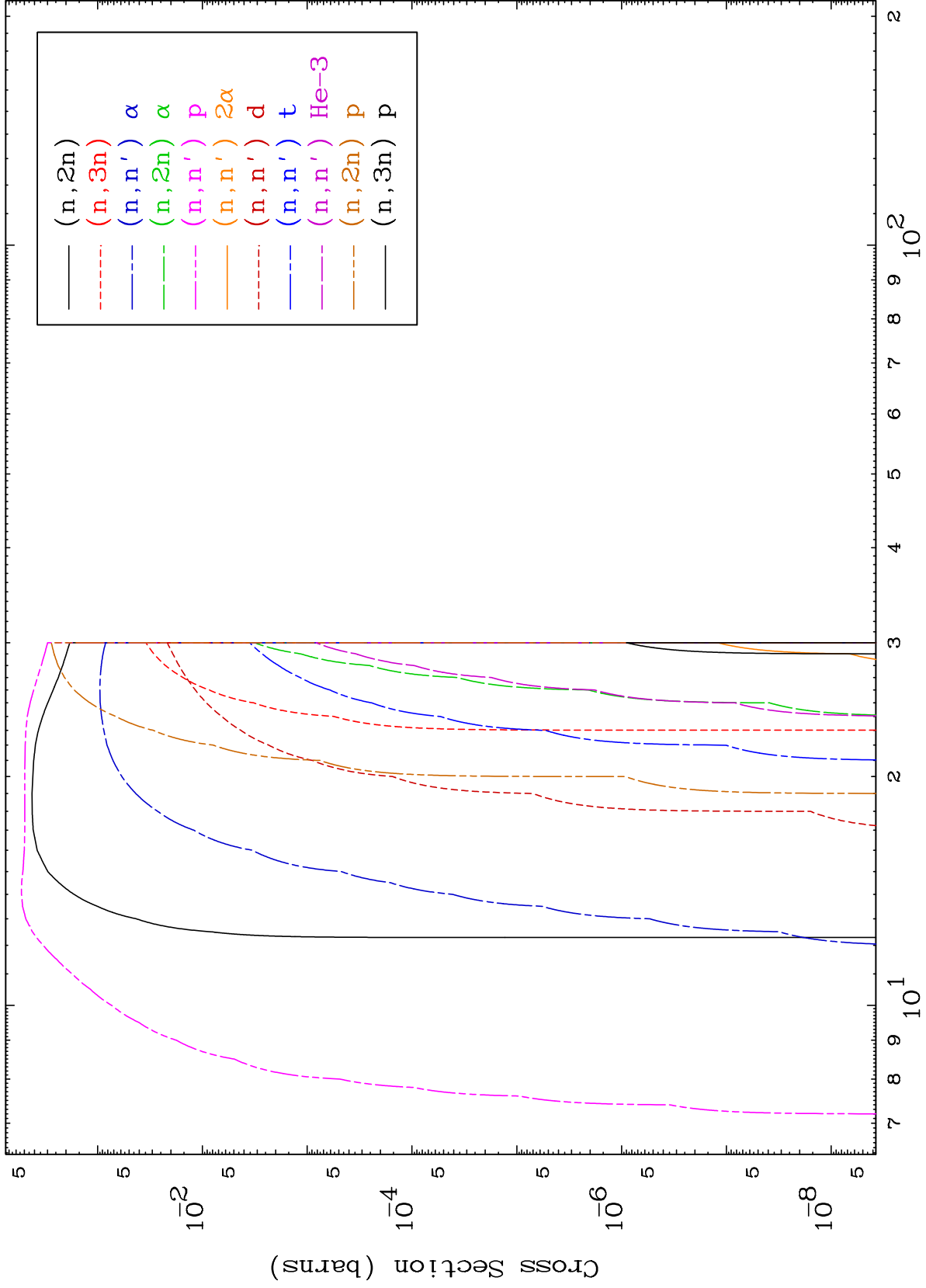
25-Mn-53



MAT 2519

Neutron Production  
293 Kelvin Cross Sections

25-Mn-53



2

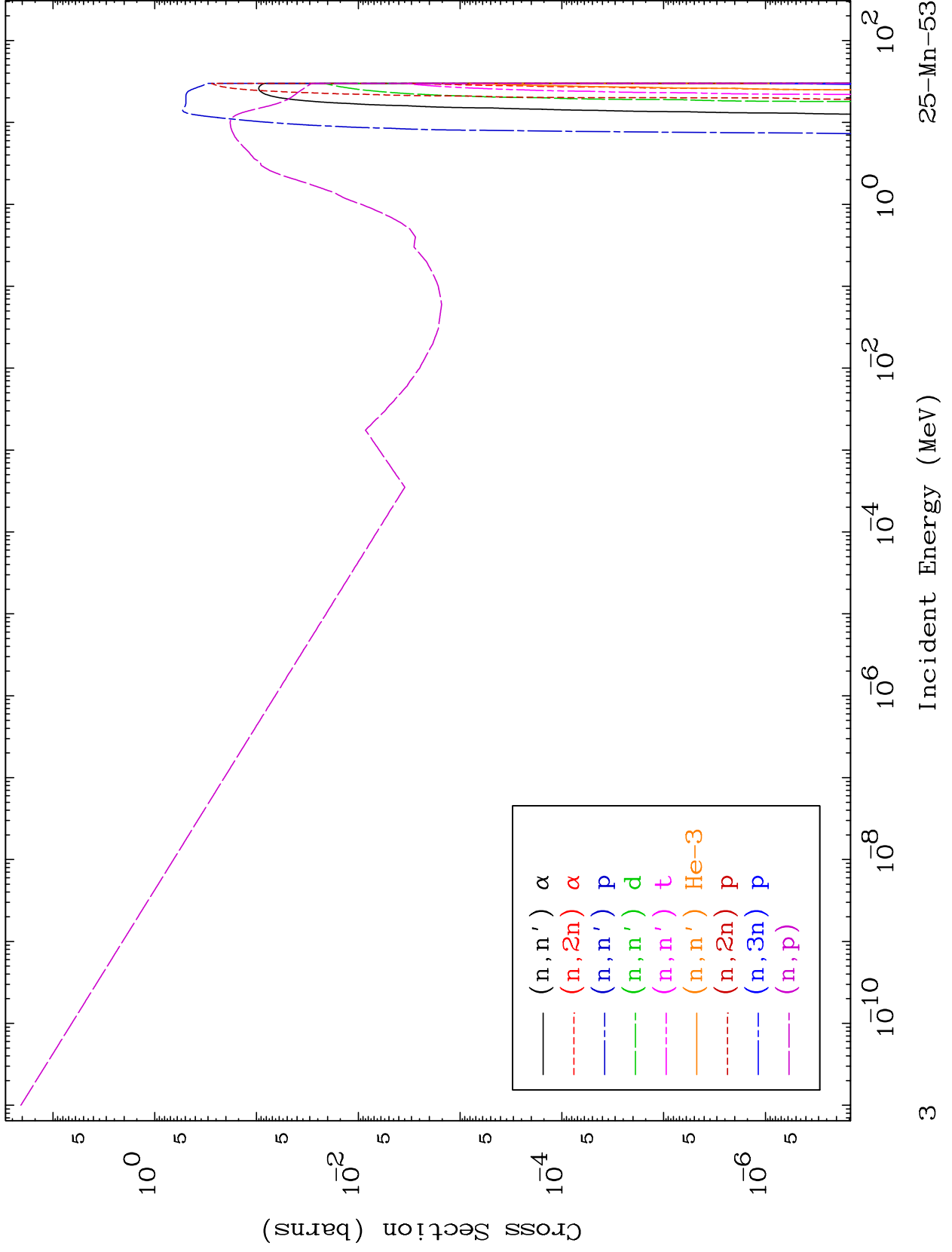
Incident Energy (MeV)

25-Mn-53

MAT 2519

Charged Particle  
293 Kelvin Cross Sections

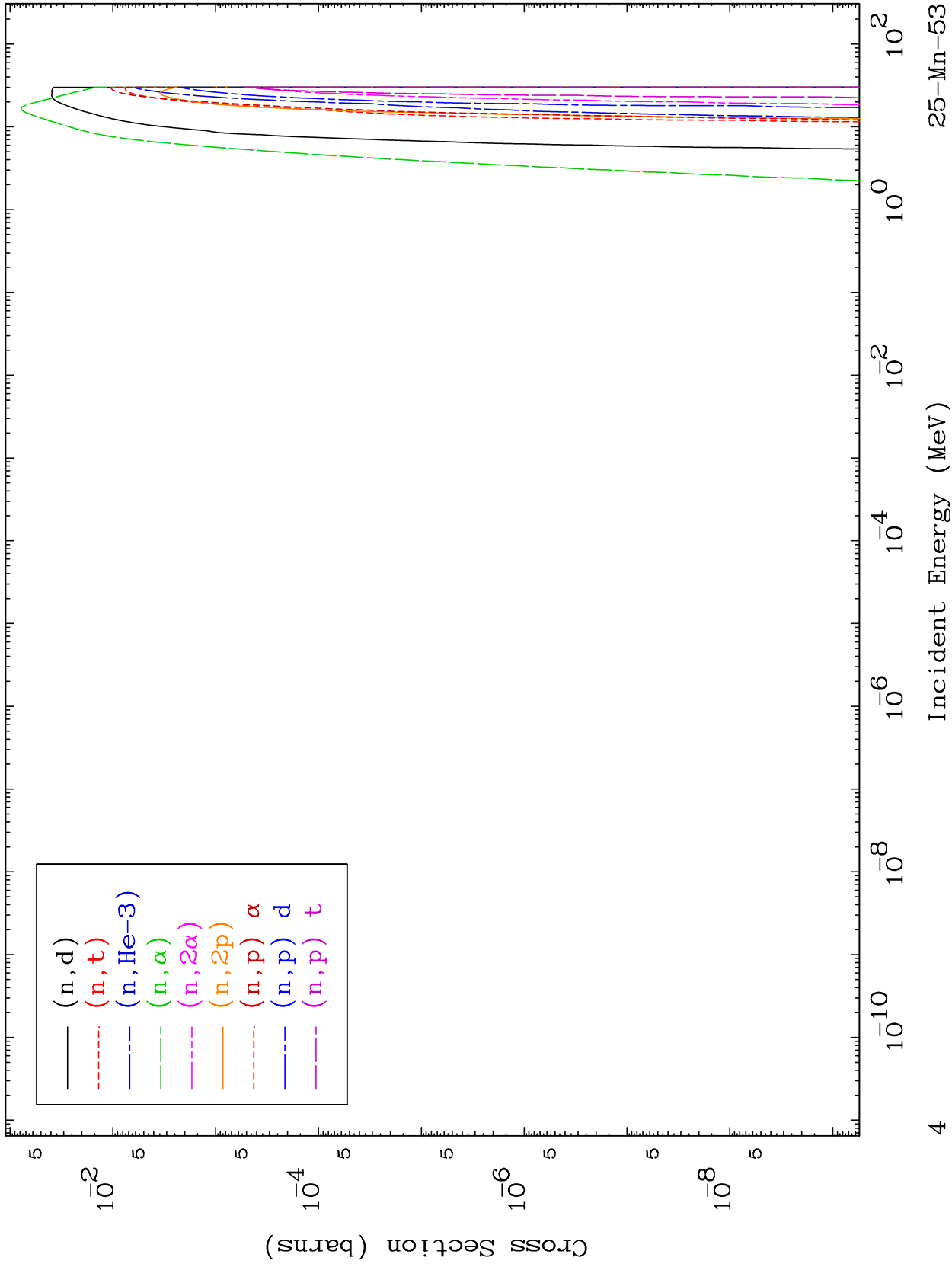
25-Mn-53



MAT 2519

Charged Particle  
293 Kelvin Cross Sections

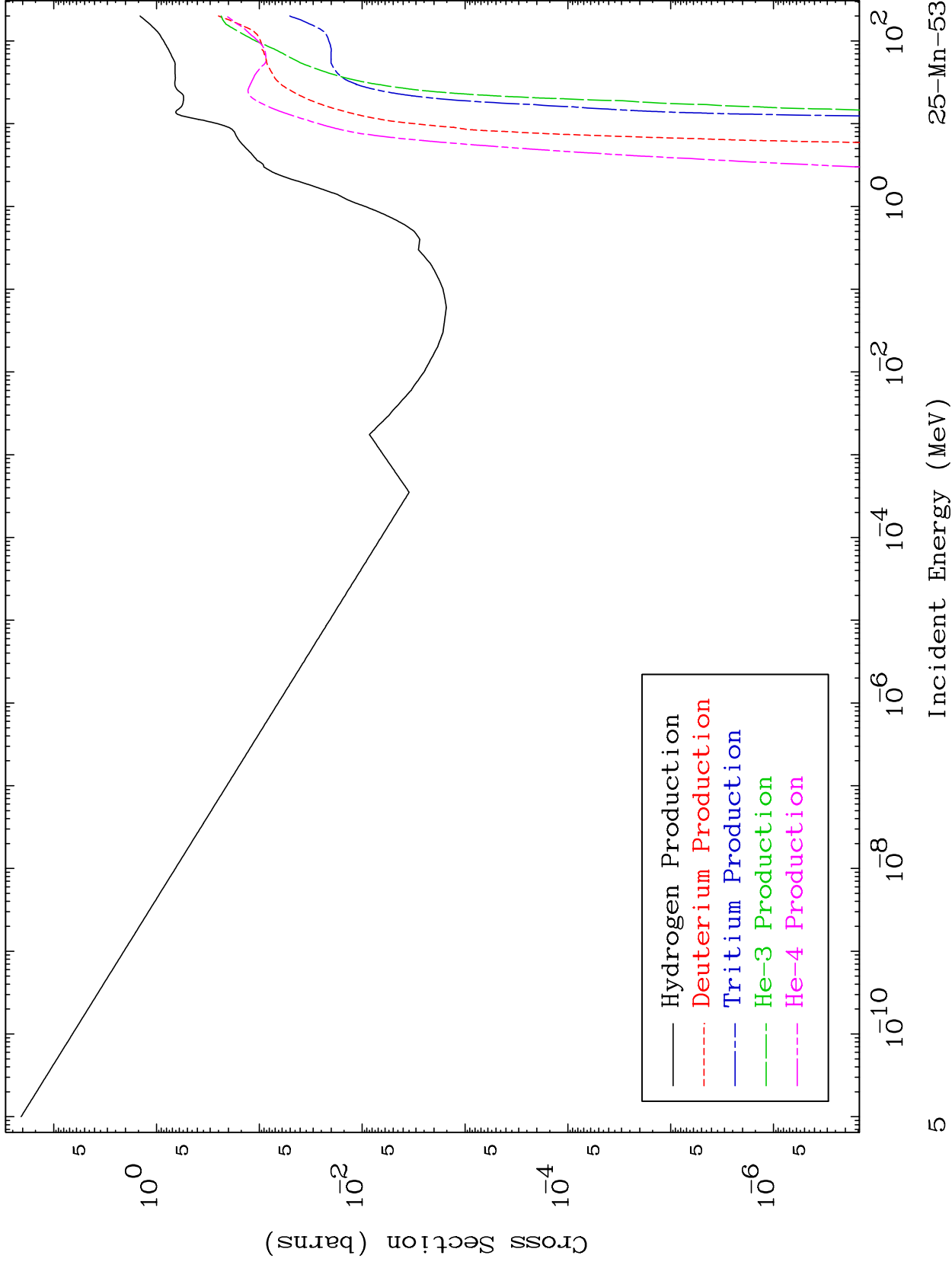
25-Mn-53



MAT 2519

Particle Production  
293 Kelvin Cross Sections

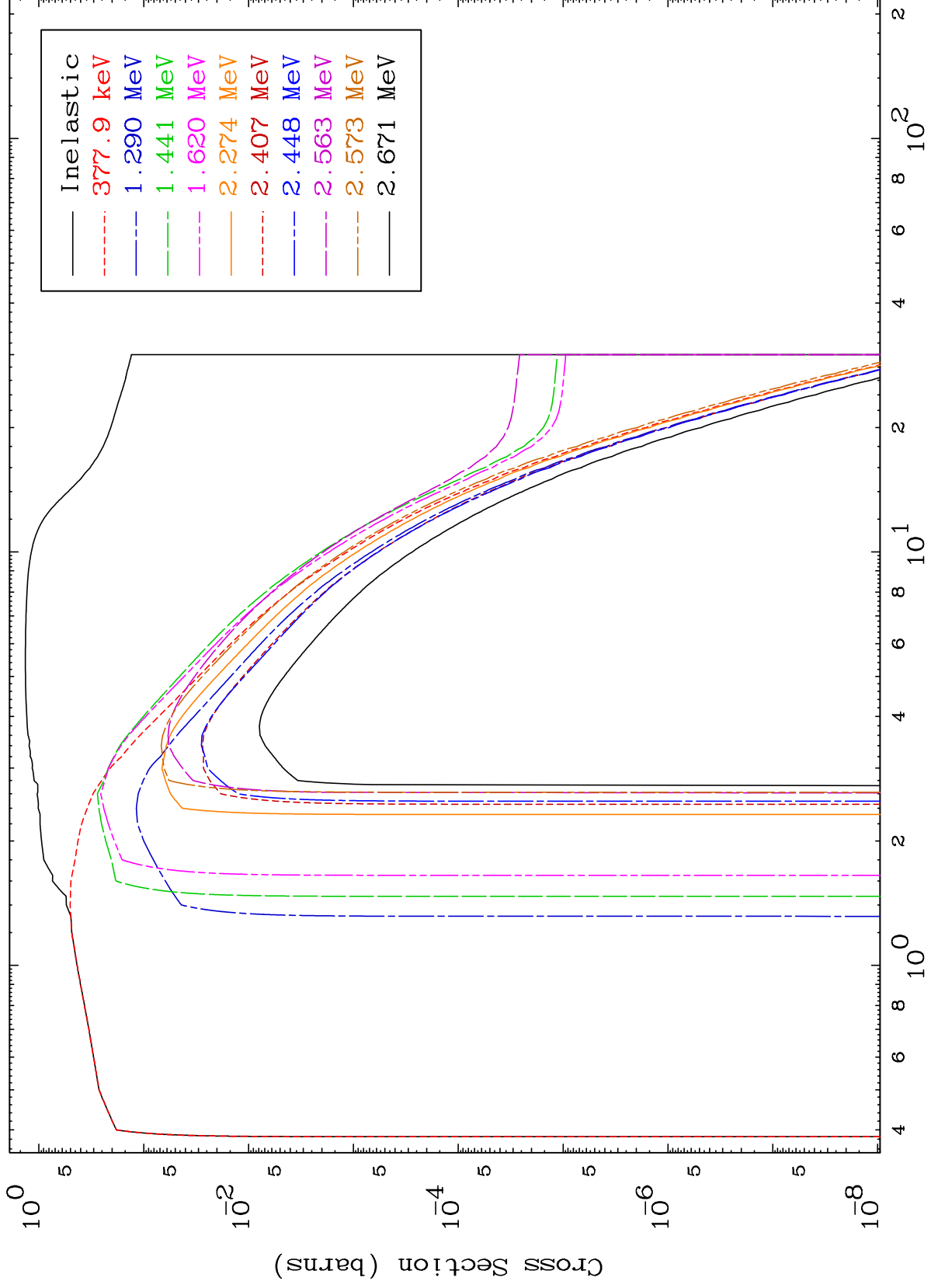
25-Mn-53



MAT 2519

(n,n') Level  
293 Kelvin Cross Sections

25-Mn-53



6

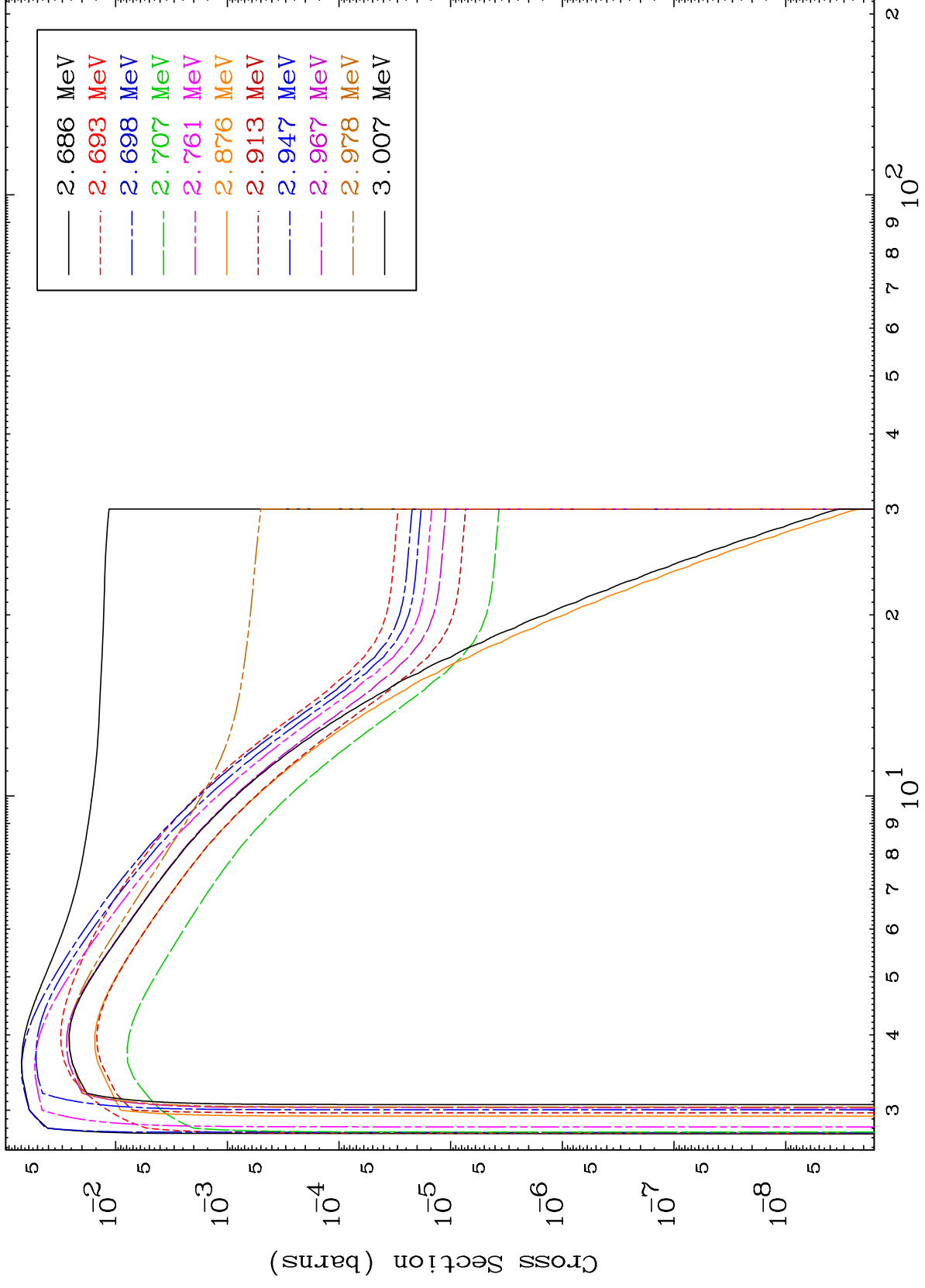
Incident Energy (MeV)

25-Mn-53

MAT 2519

(n,n') Level  
293 Kelvin Cross Sections

25-Mn-53



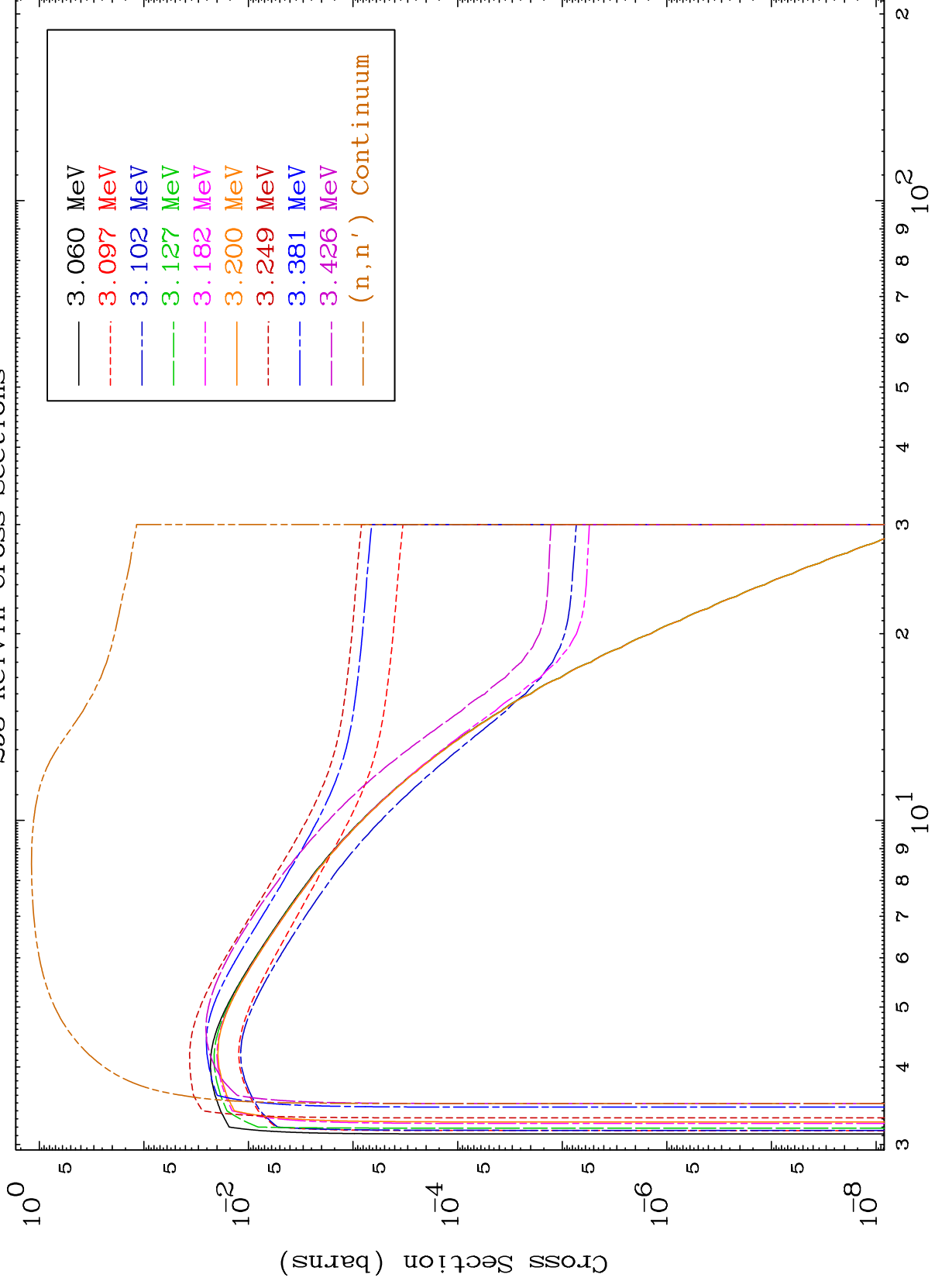


MAT 2519

(n,n') Level

25-Mn-53

293 Kelvin Cross Sections



8

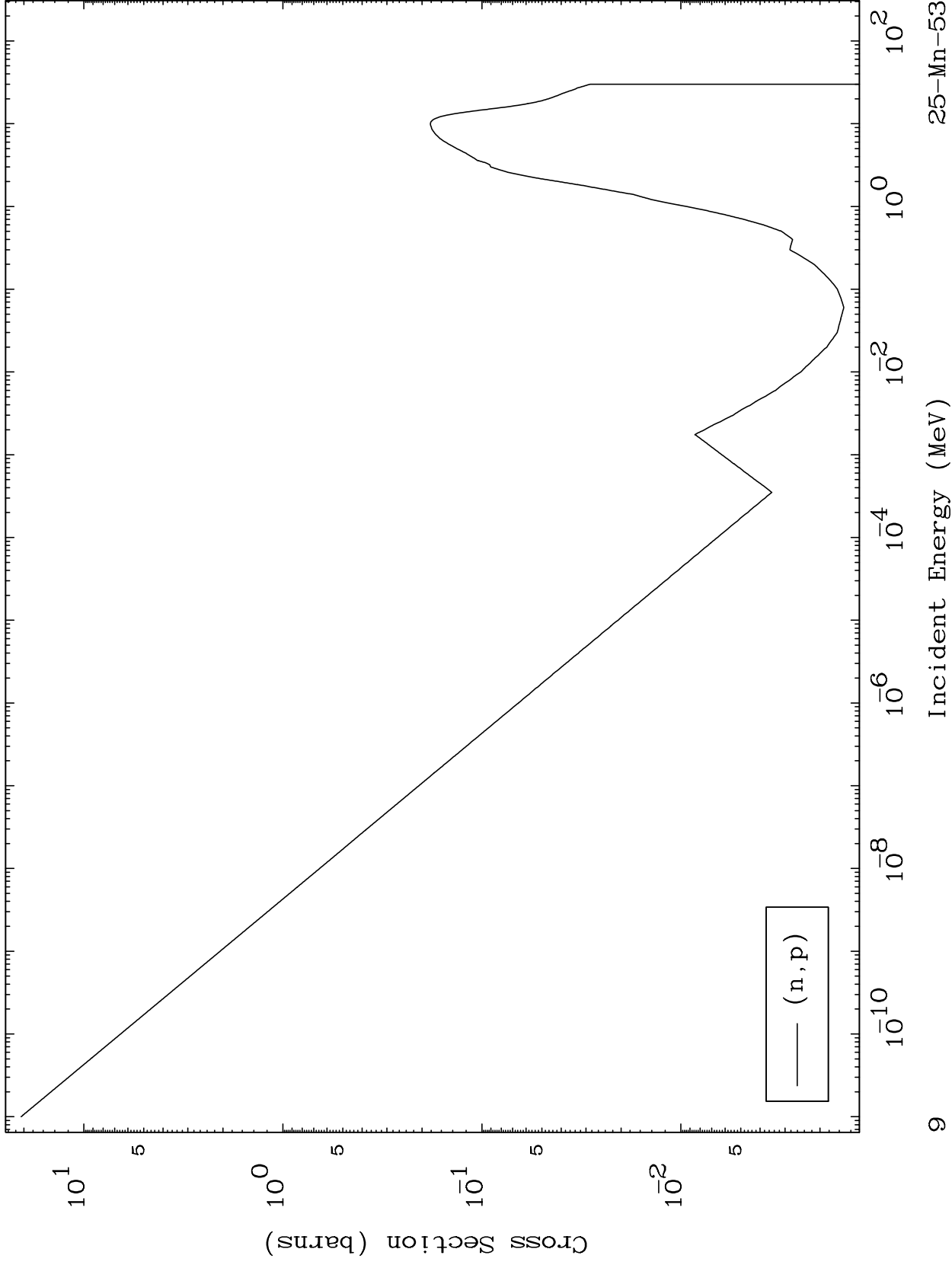
Incident Energy (MeV)

25-Mn-53

MAT 2519

(n,p) Levels  
293 Kelvin Cross Sections

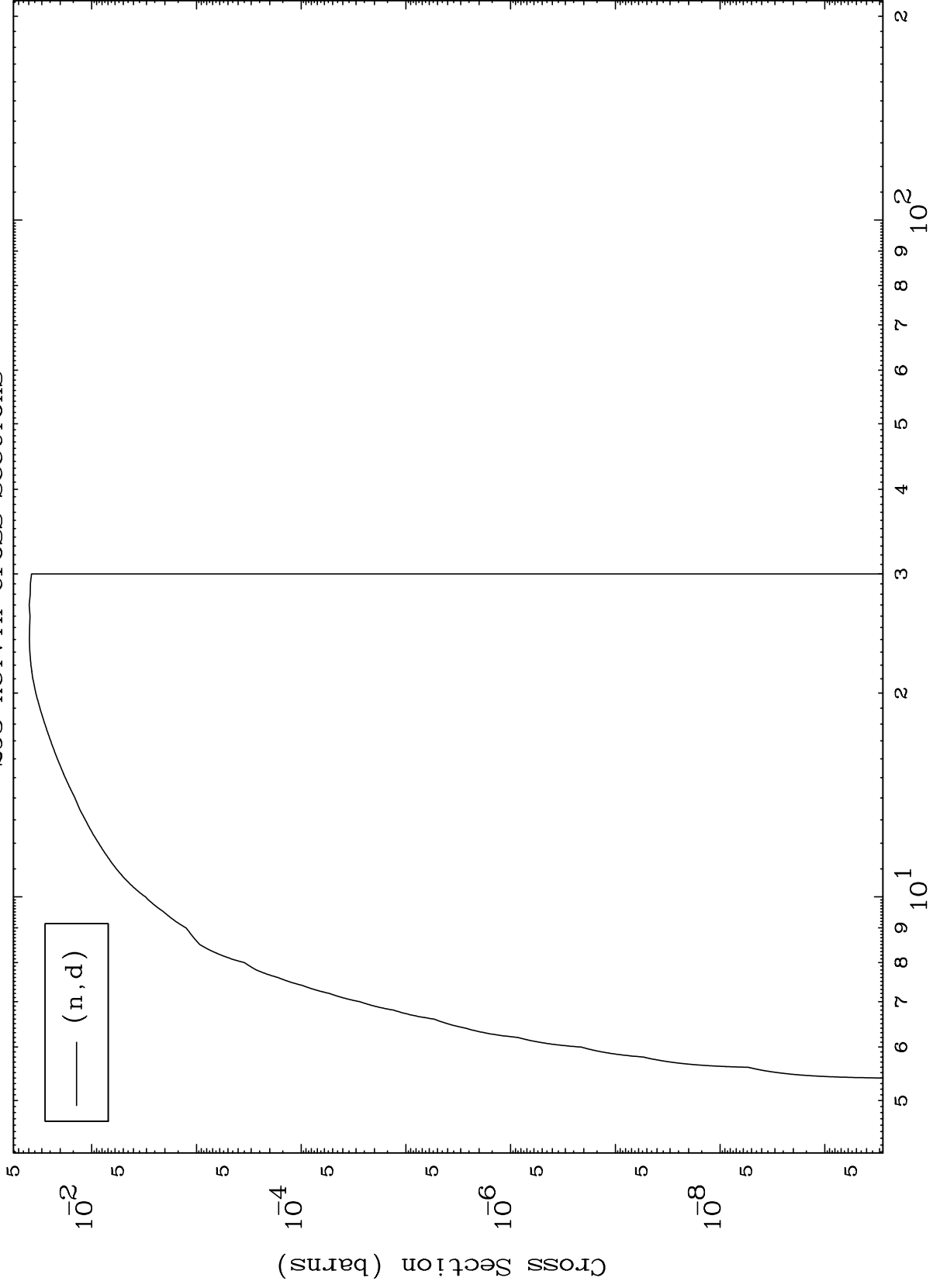
25-Mn-53



MAT 2519

(n,d) Levels  
293 Kelvin Cross Sections

25-Mn-53



10

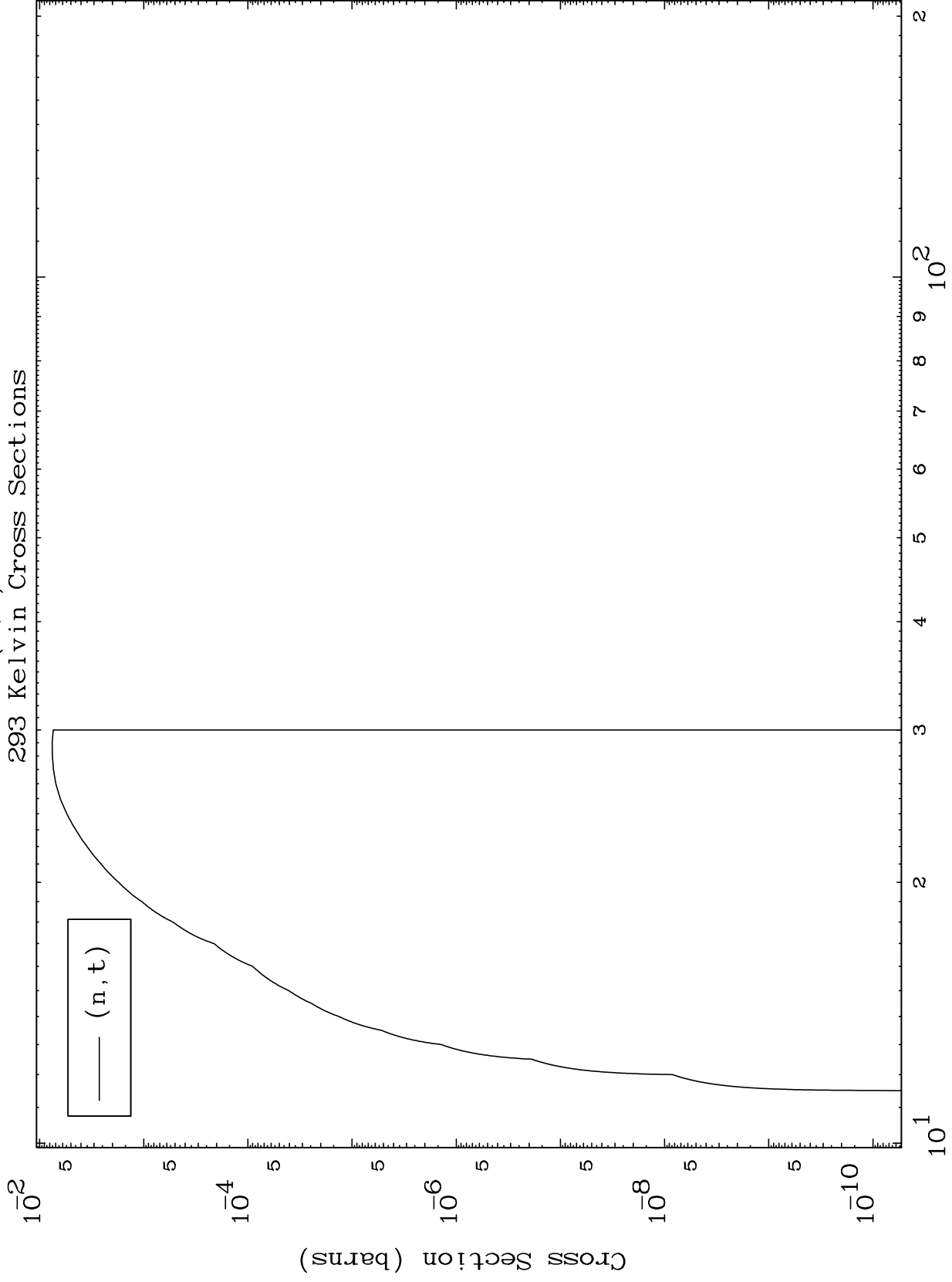
Incident Energy (MeV)

25-Mn-53

MAT 2519

(n,t) Levels  
293 Kelvin Cross Sections

25-Mn-53



11

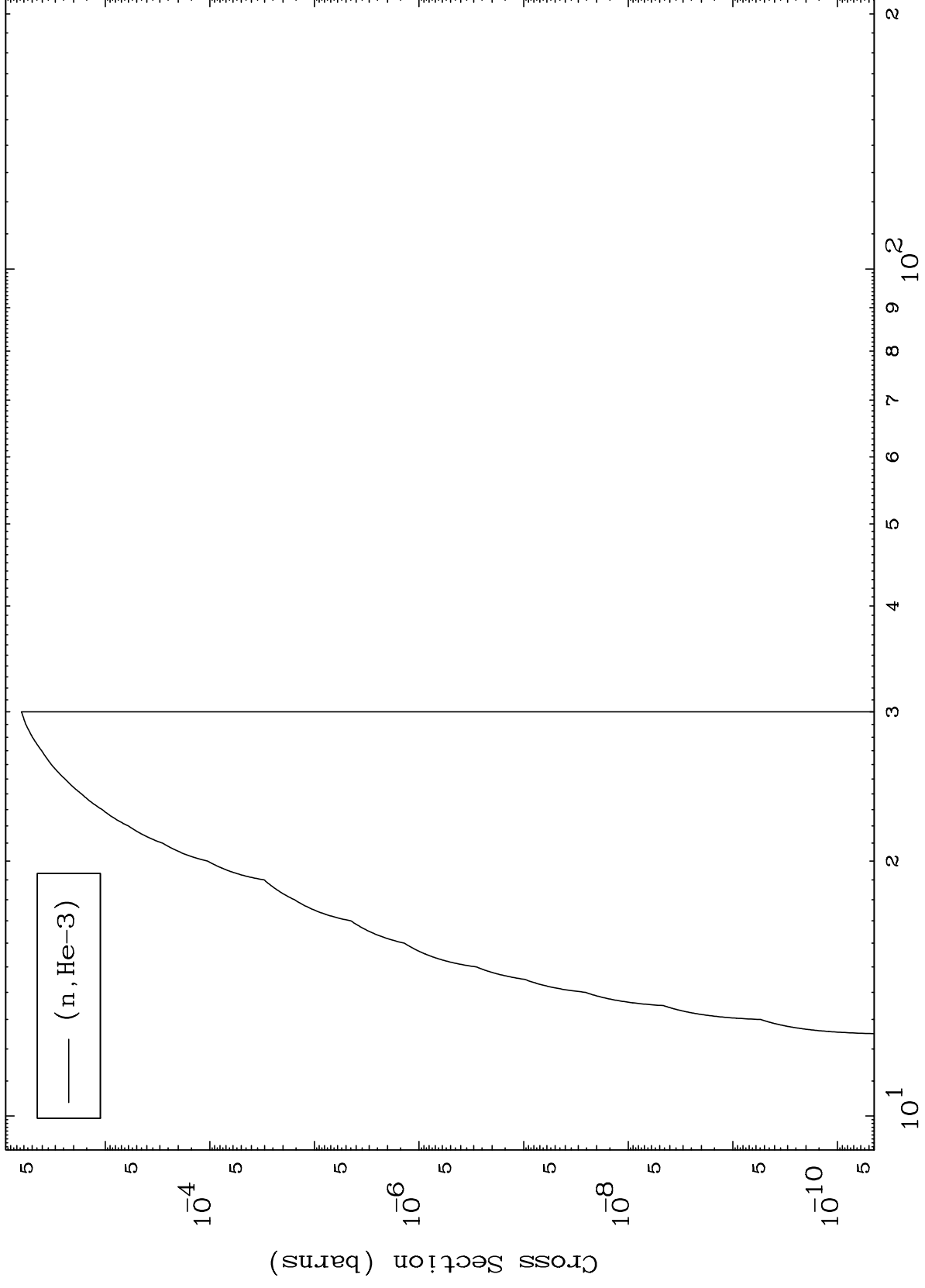
Incident Energy (MeV)

25-Mn-53

MAT 2519

(n,He3) Levels  
293 Kelvin Cross Sections

25-Mn-53



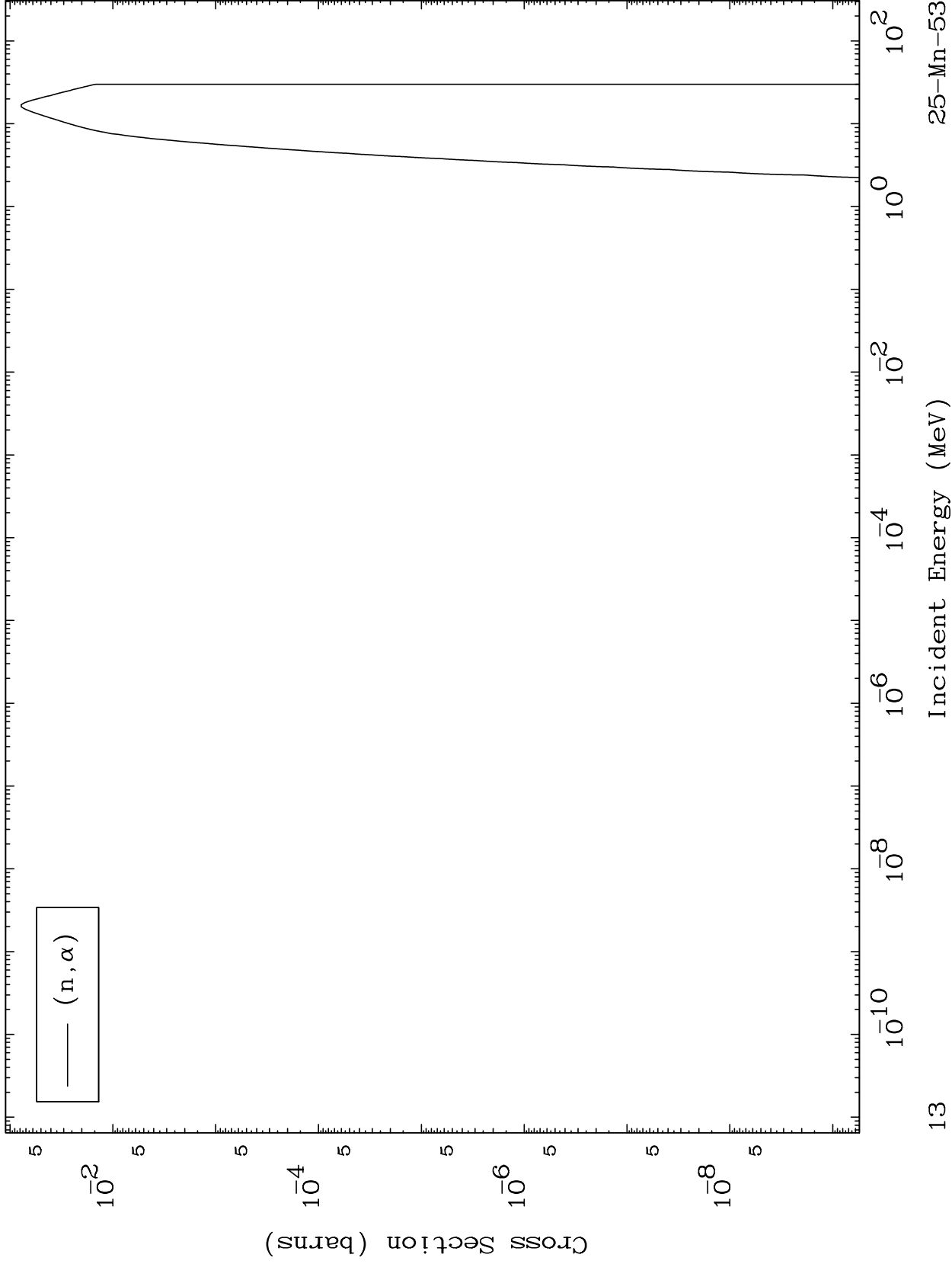
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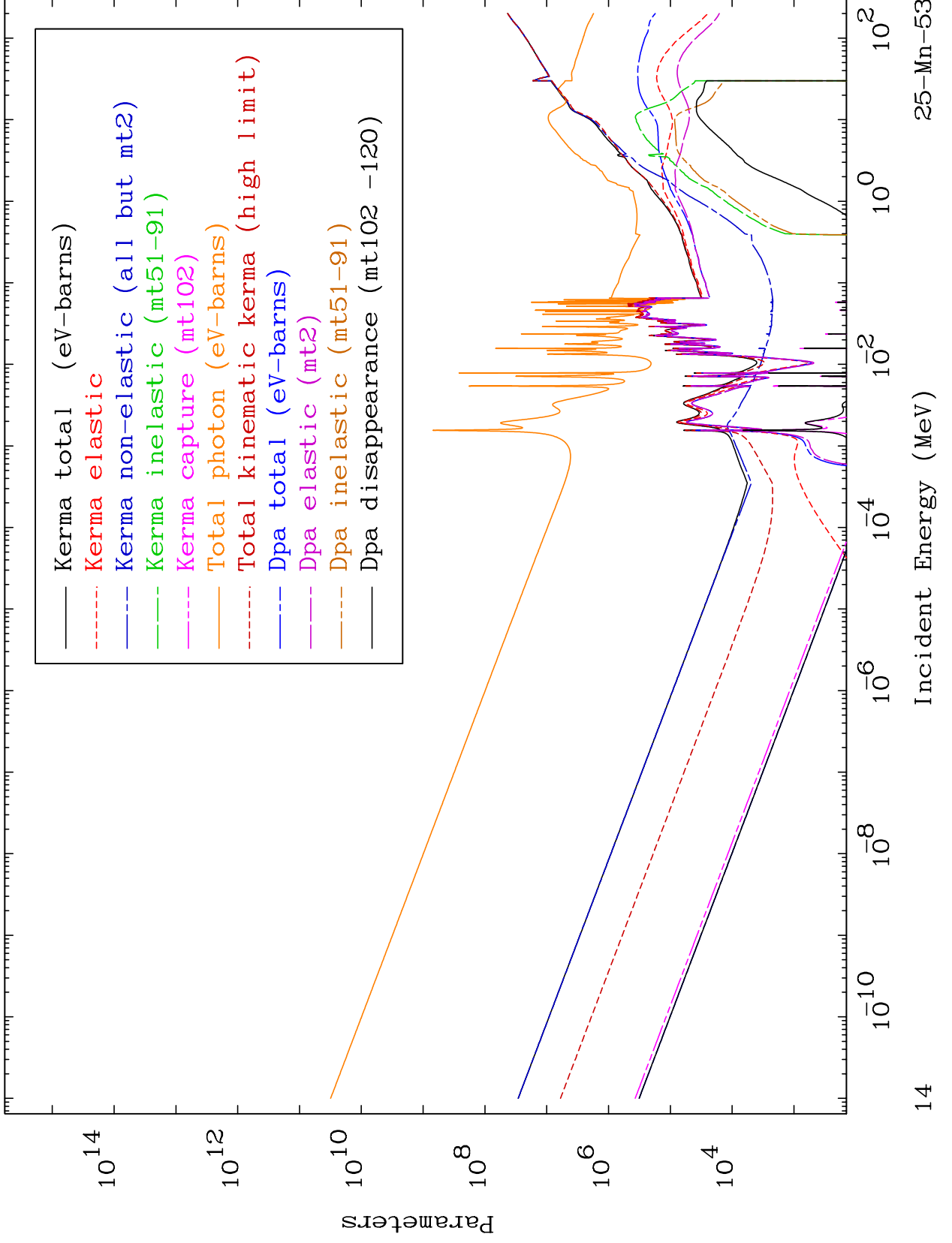
25-Mn-53

MAT 2519

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

25-Mn-53

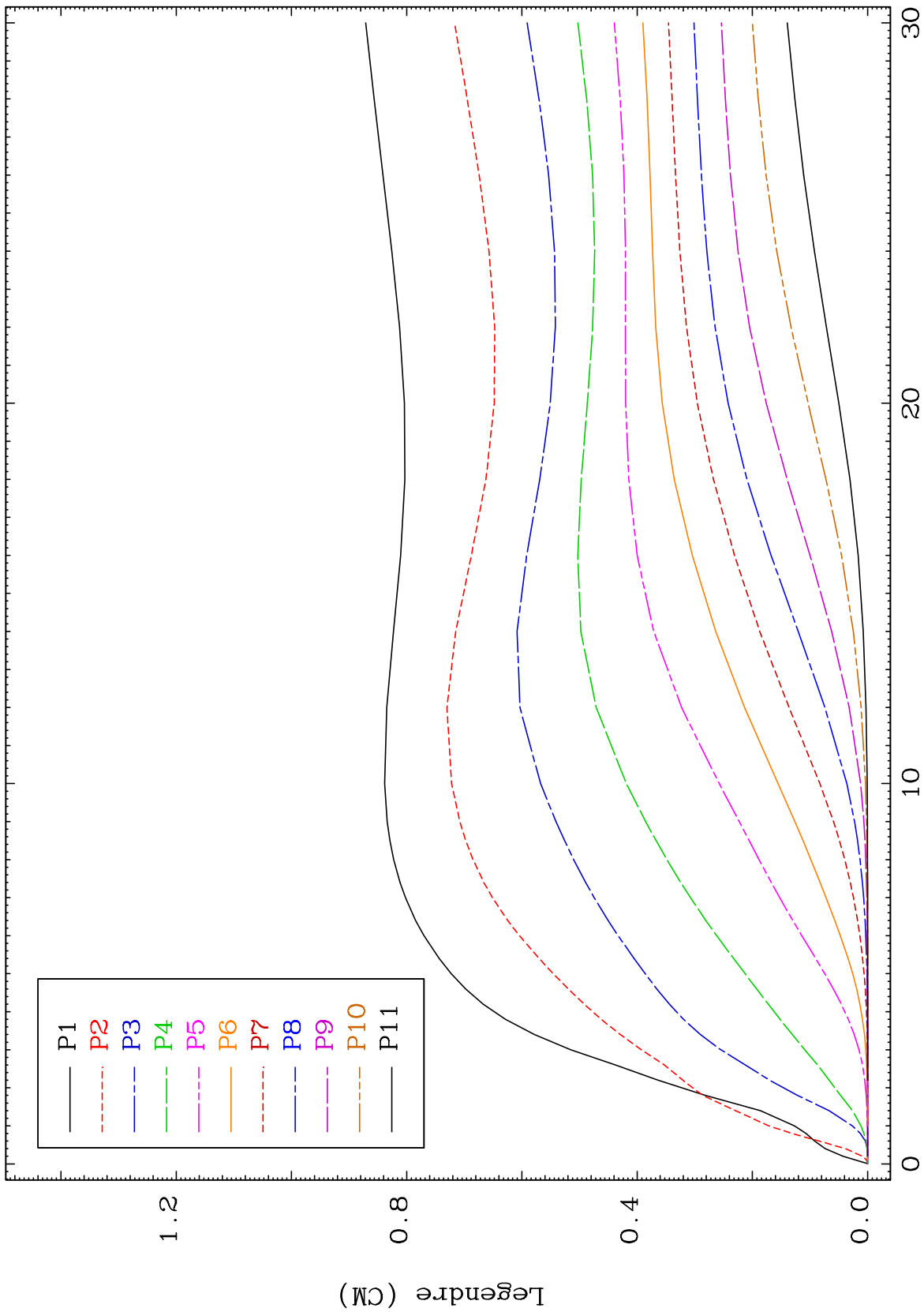




MAT 2519

Elastic Legendre Coefficients

25-Mn-53

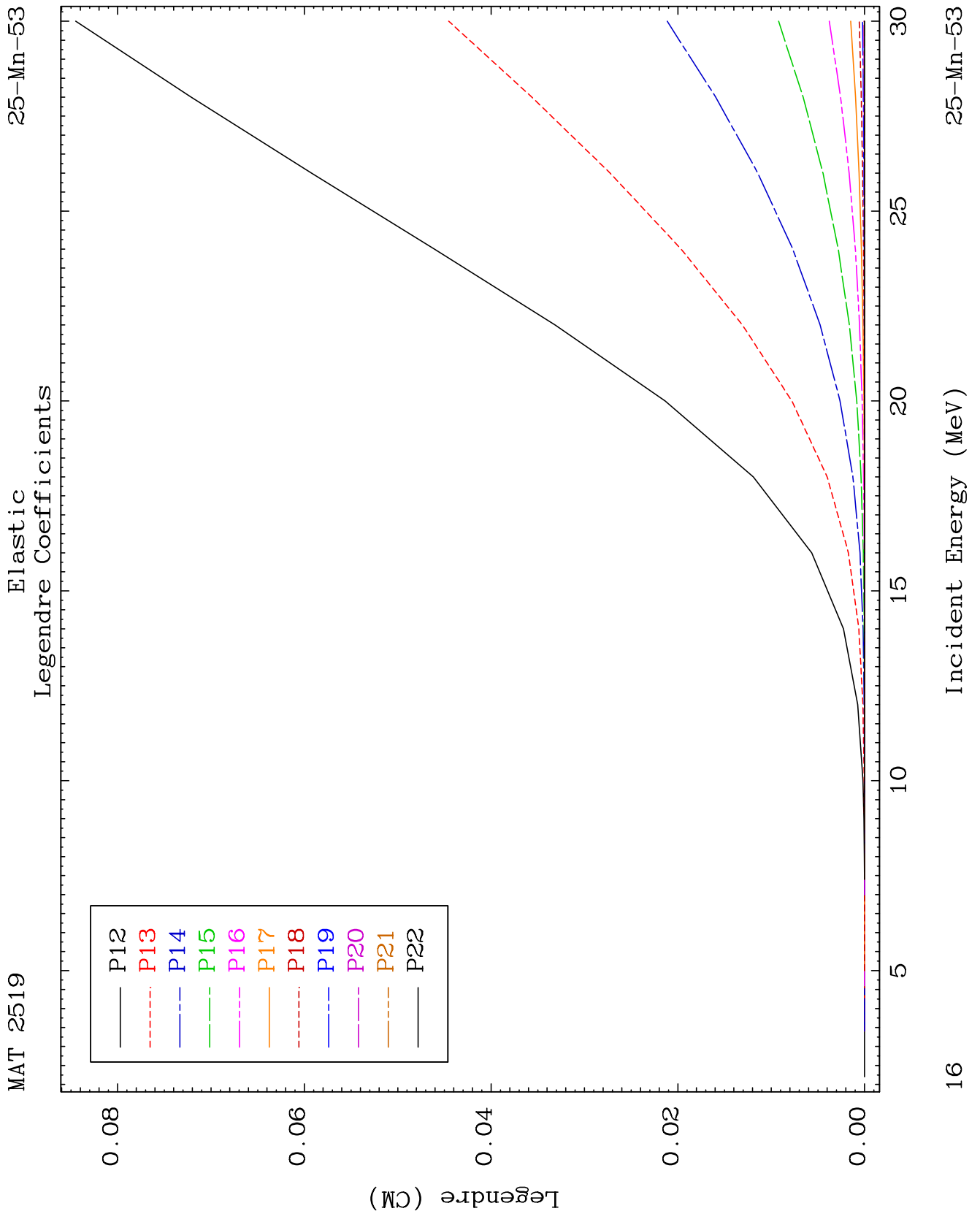


25-Mn-53

Incident Energy (MeV)

15

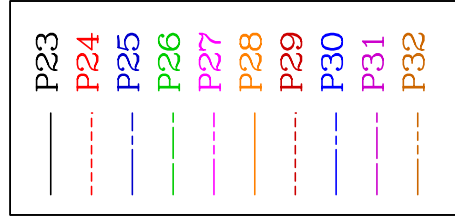




MAT 2519

Elastic  
Legendre Coefficients

25-Mn-53



$\times 10^{-6}$   
2.0

1.5

1.0

0.5

0.0

10

15

20

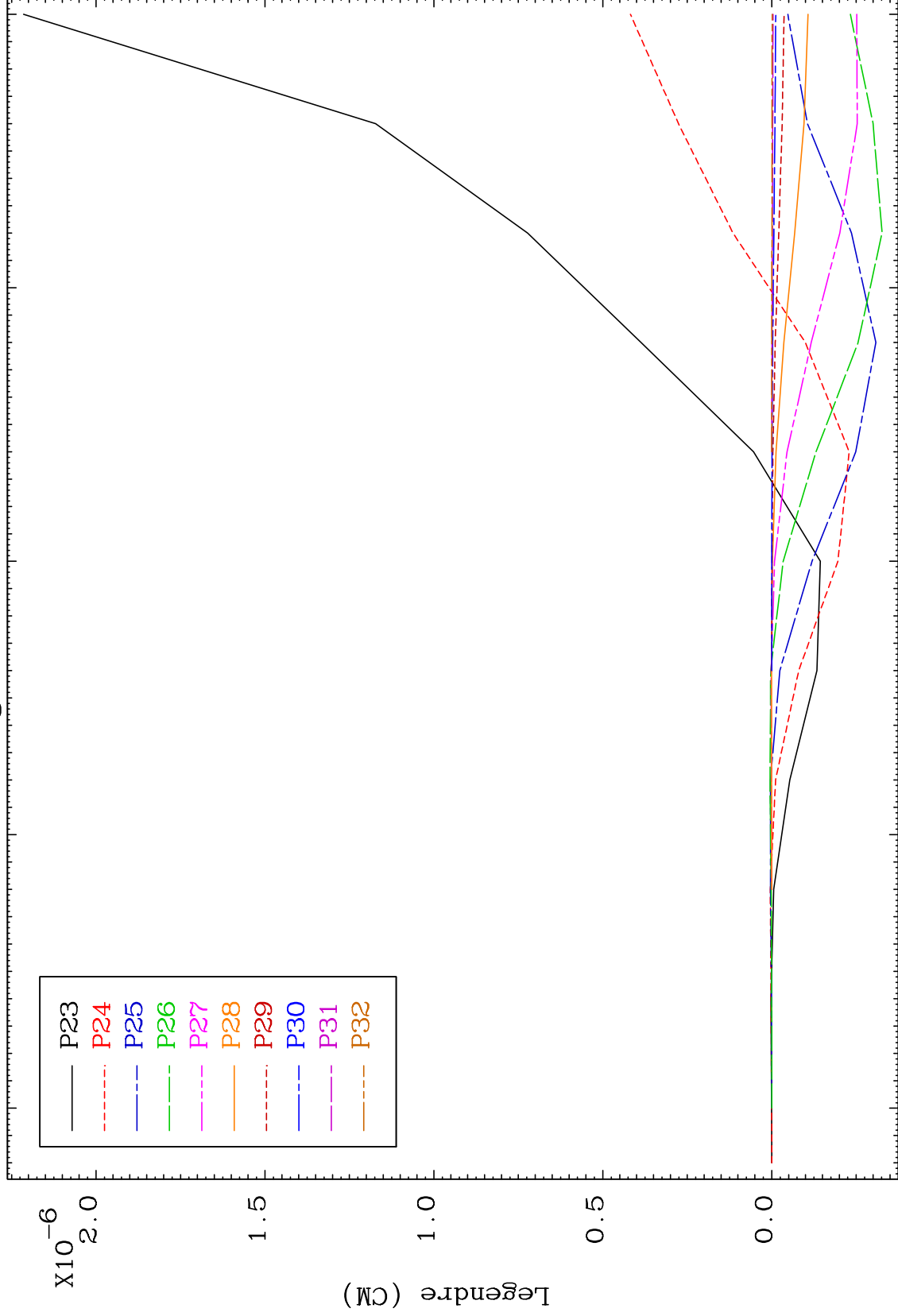
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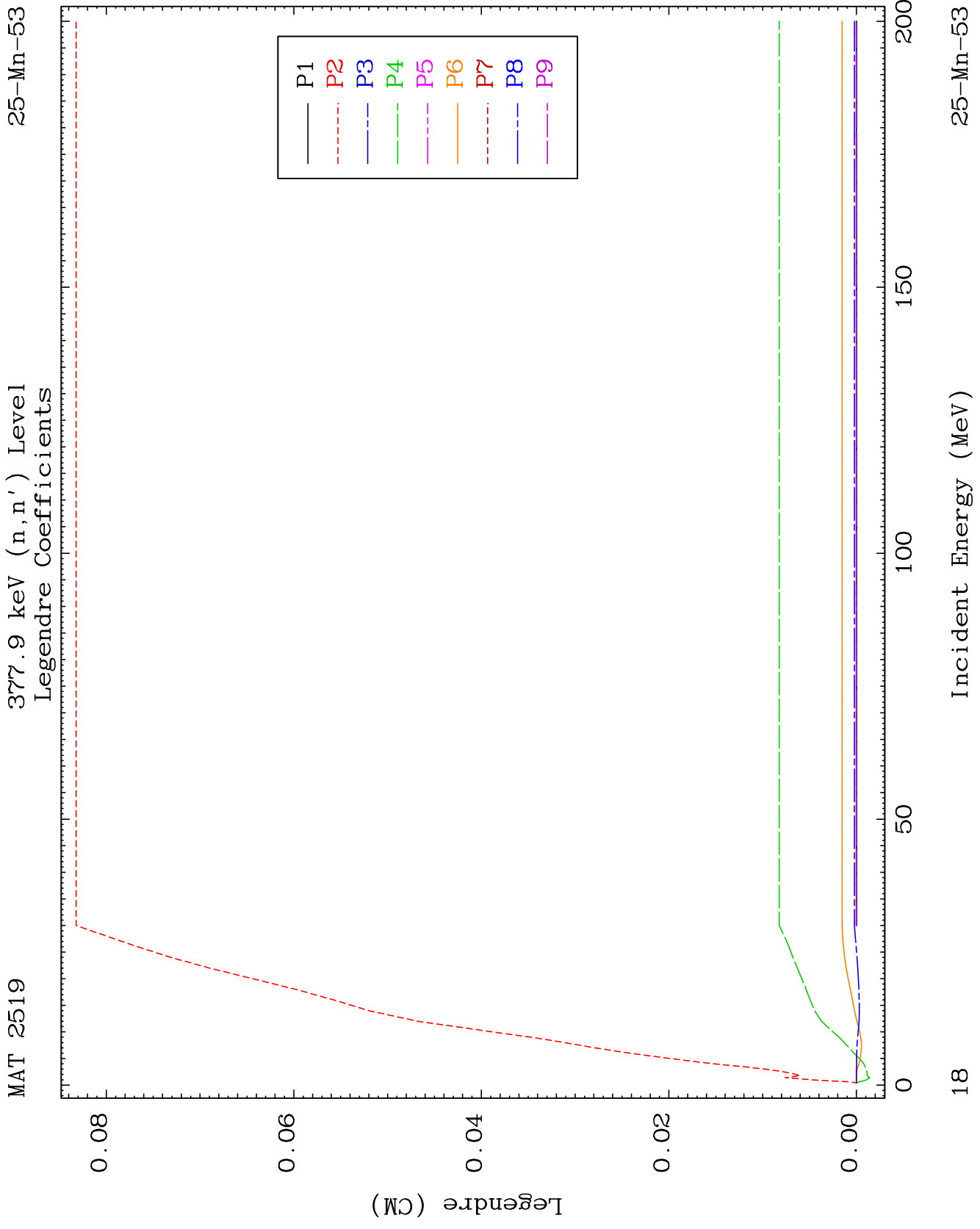
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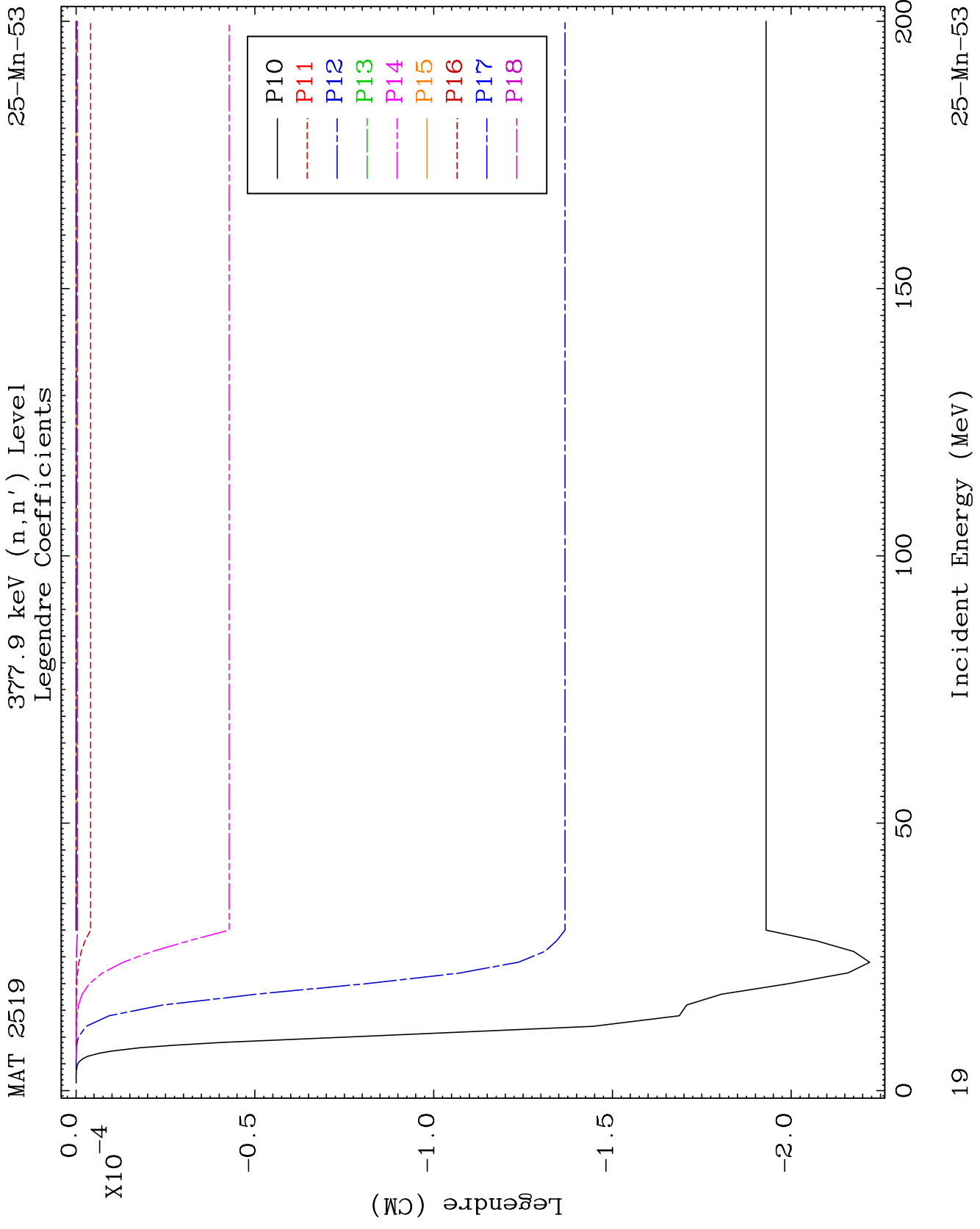
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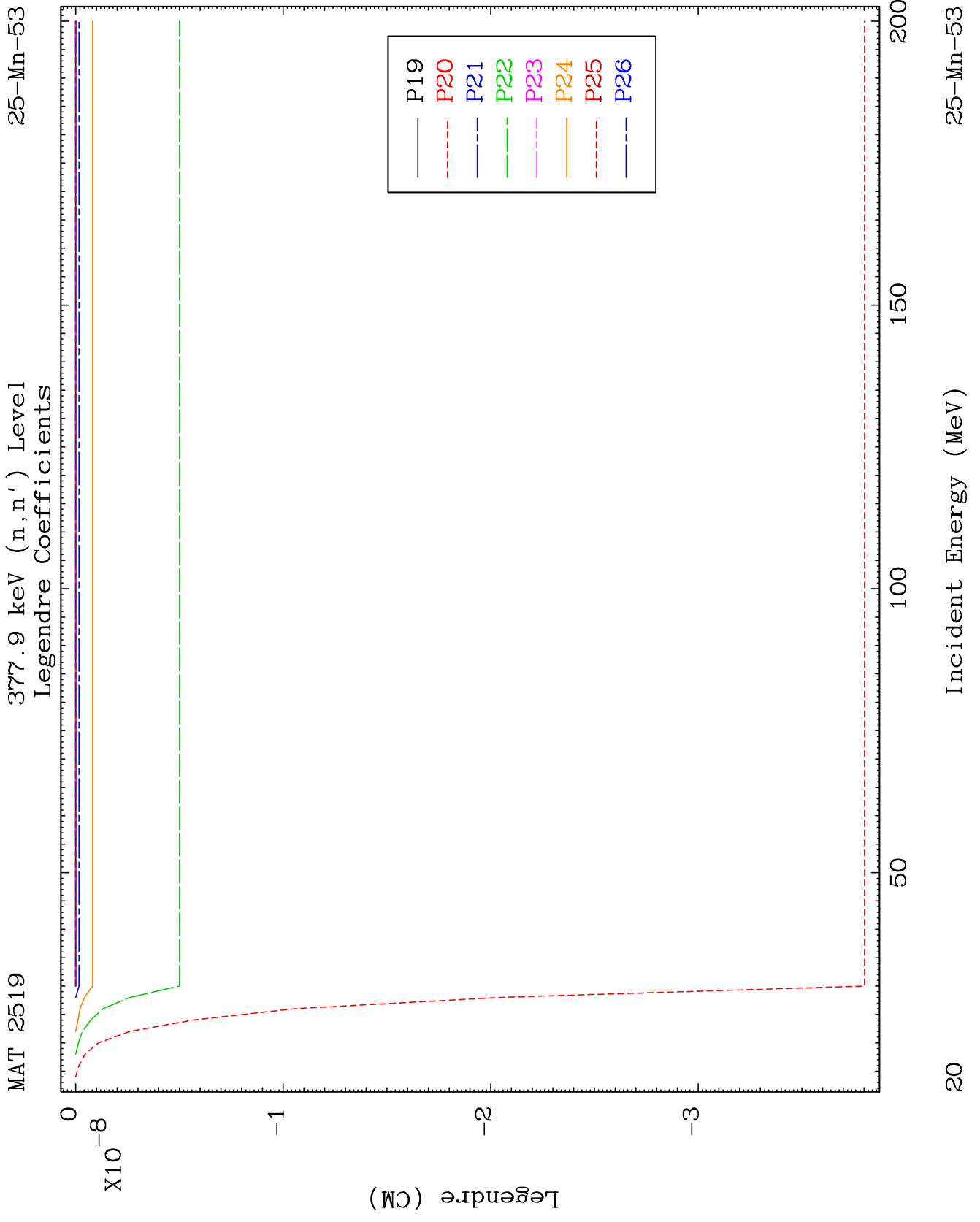
Incident Energy (MeV)

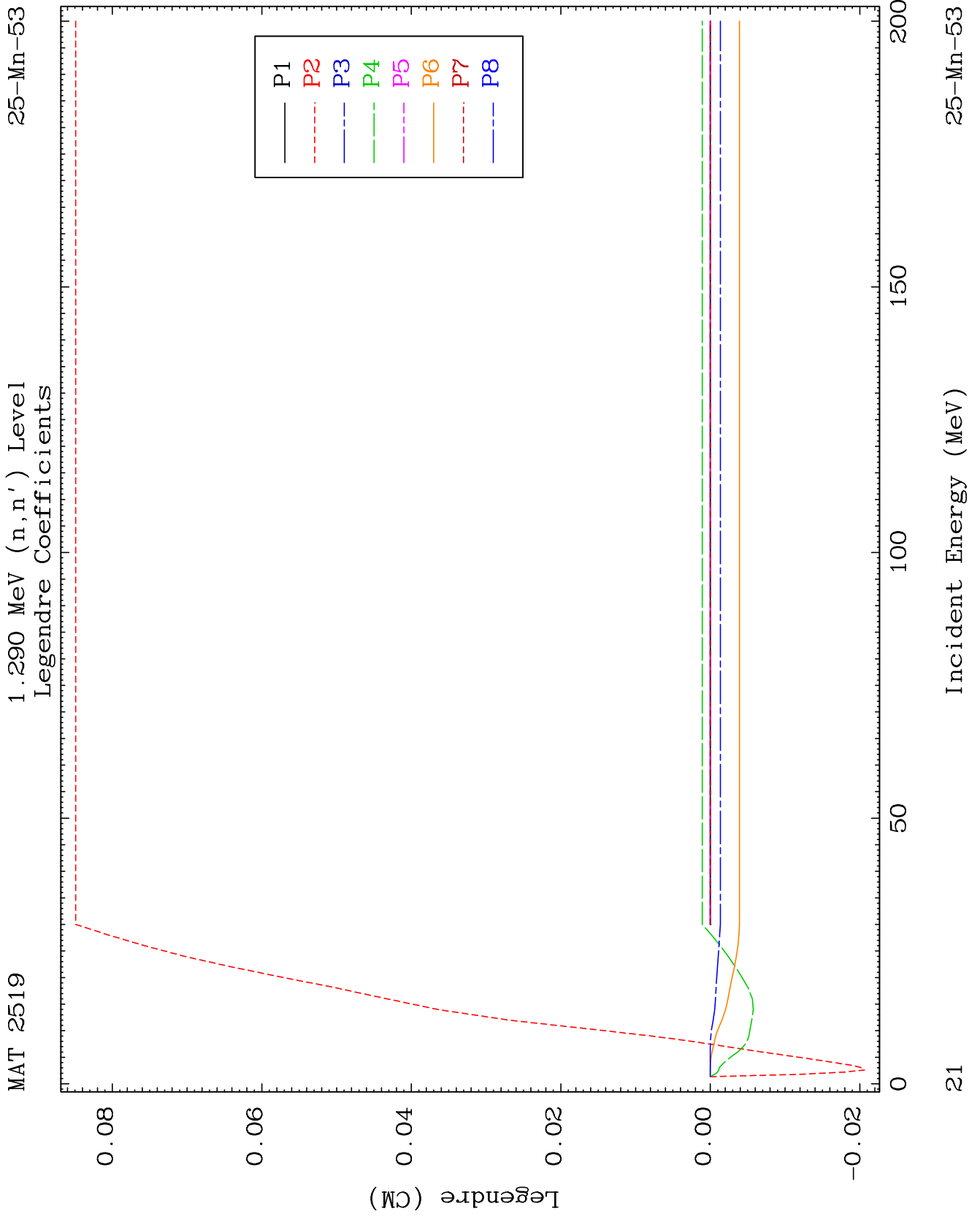
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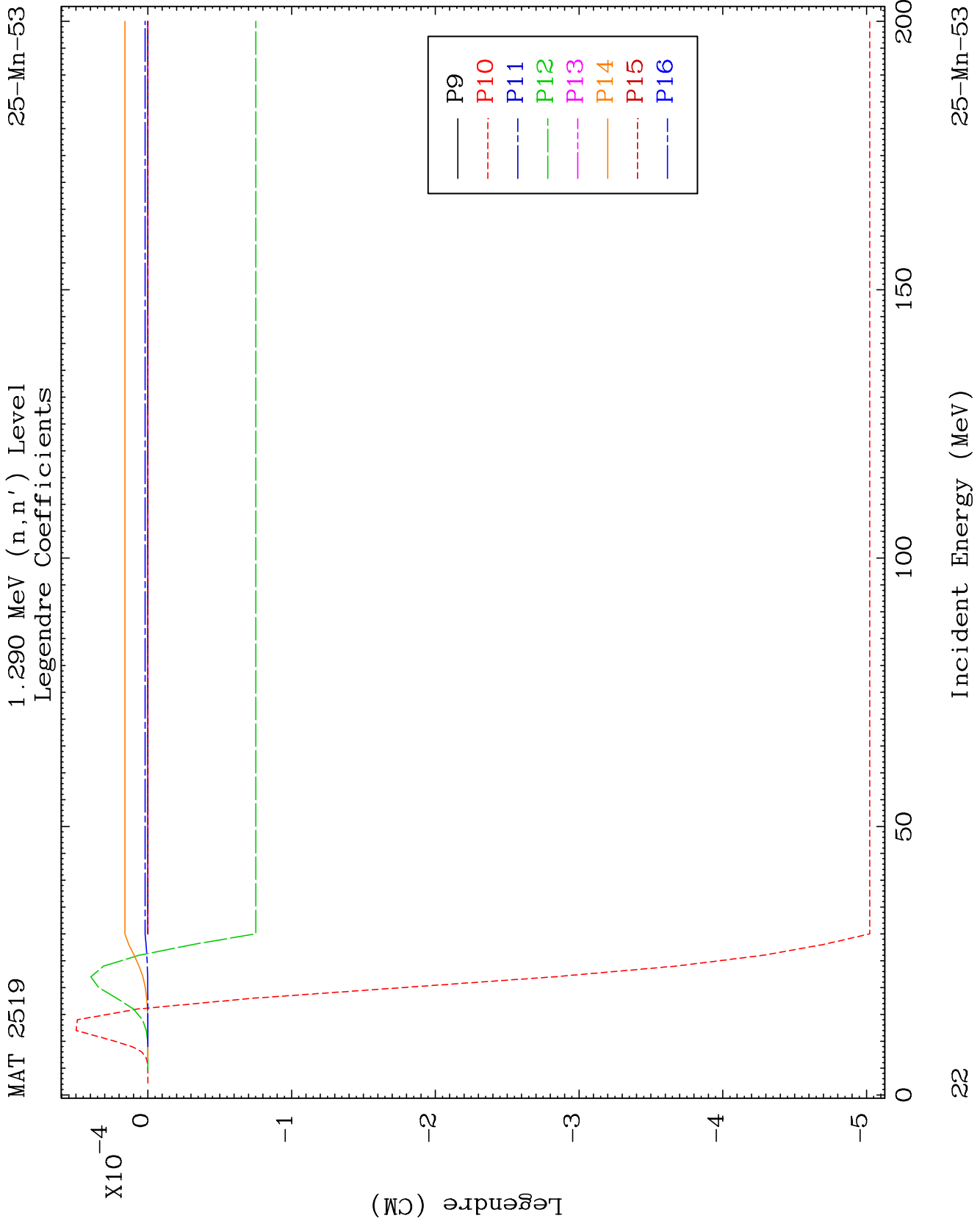


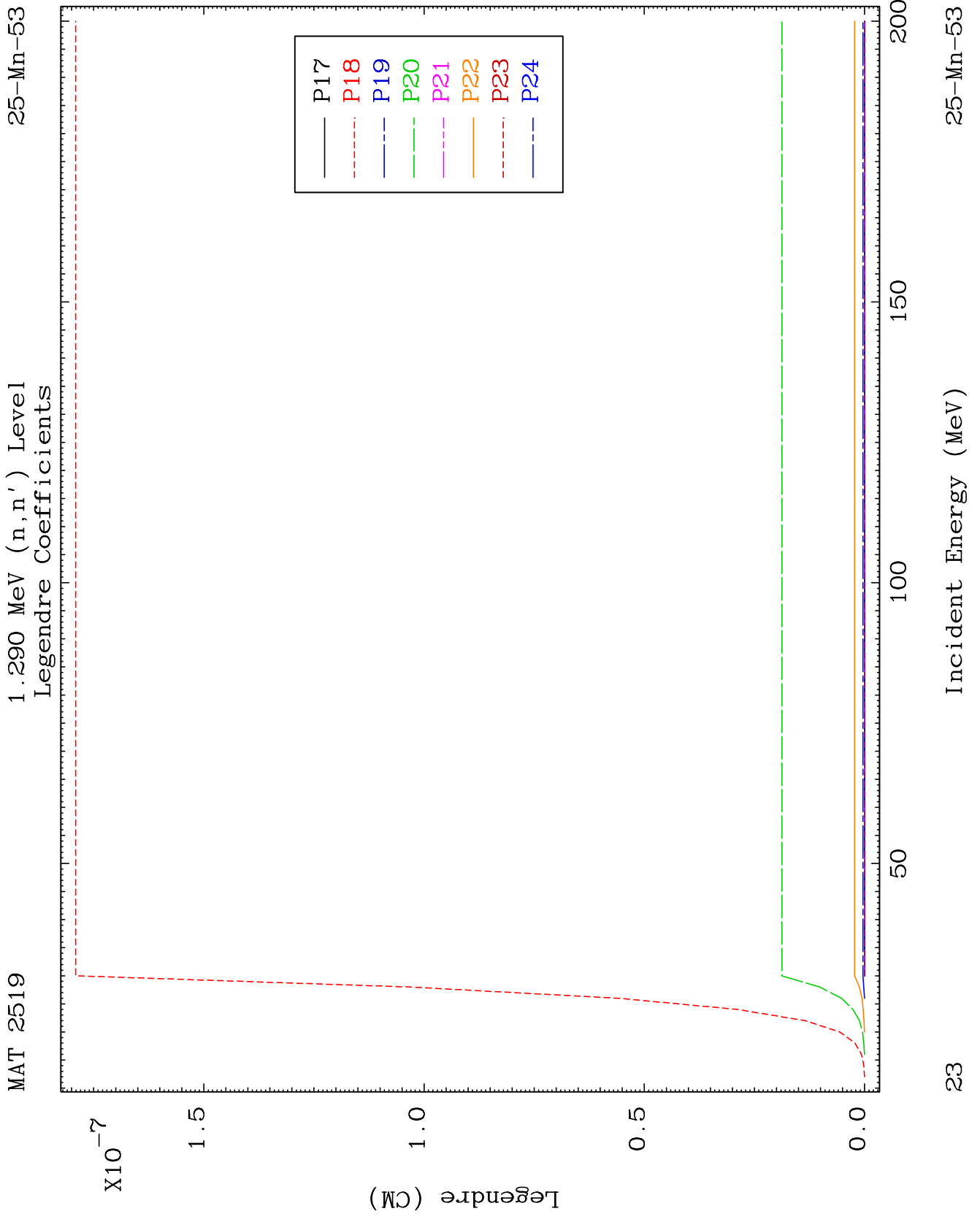




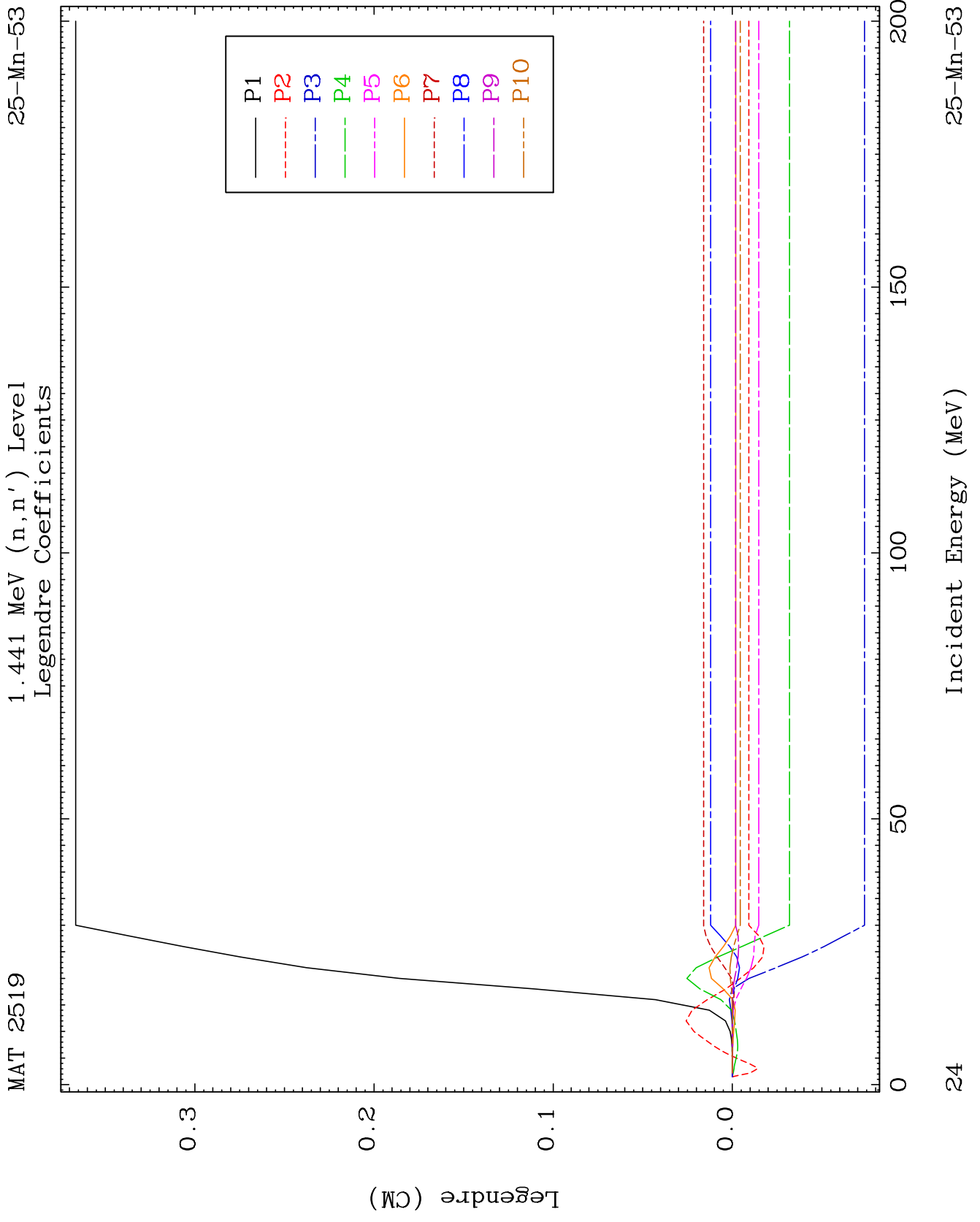








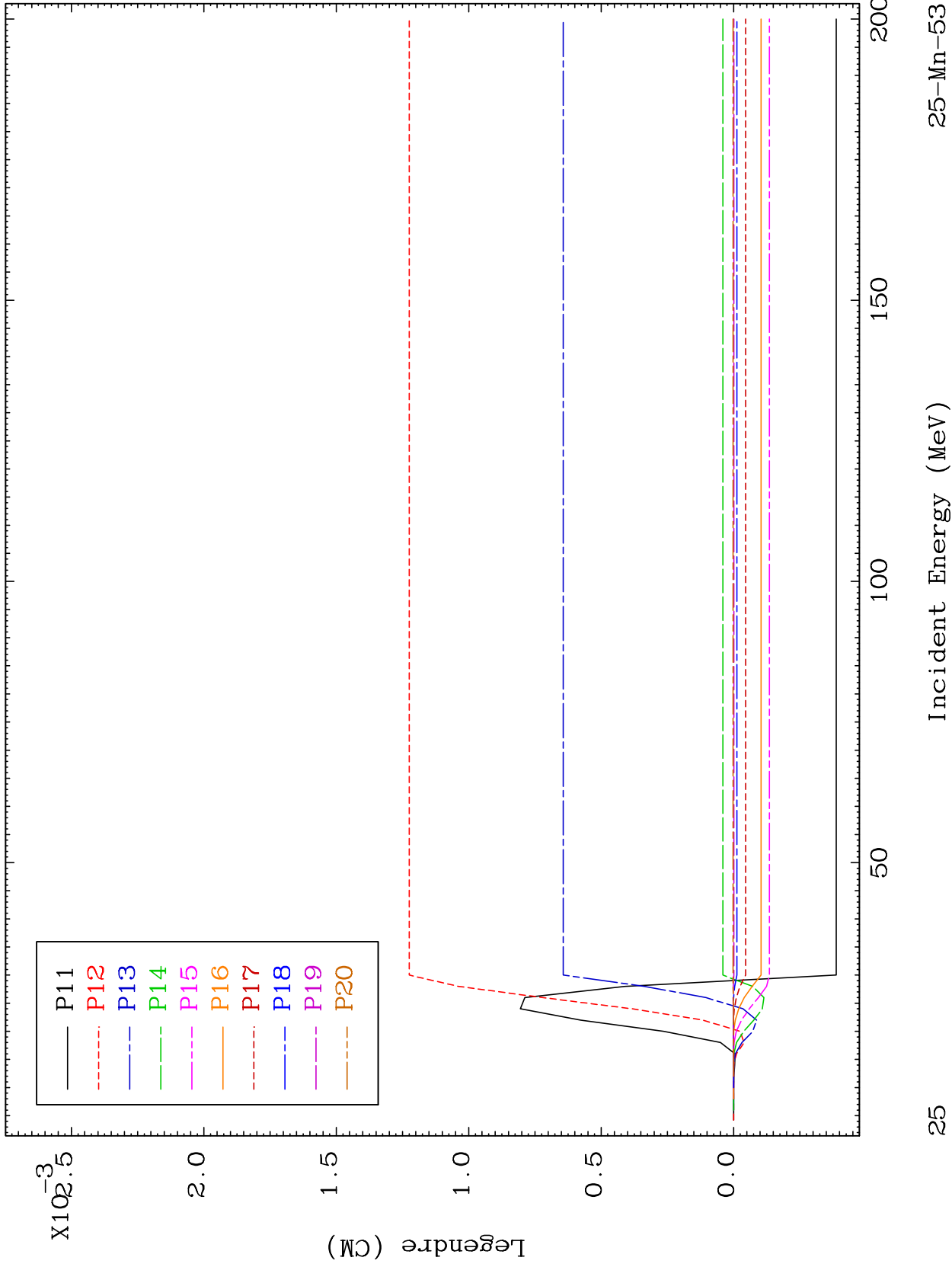




MAT 2519

1.441 MeV (n,n') Level  
Legendre Coefficients

25-Mn-53



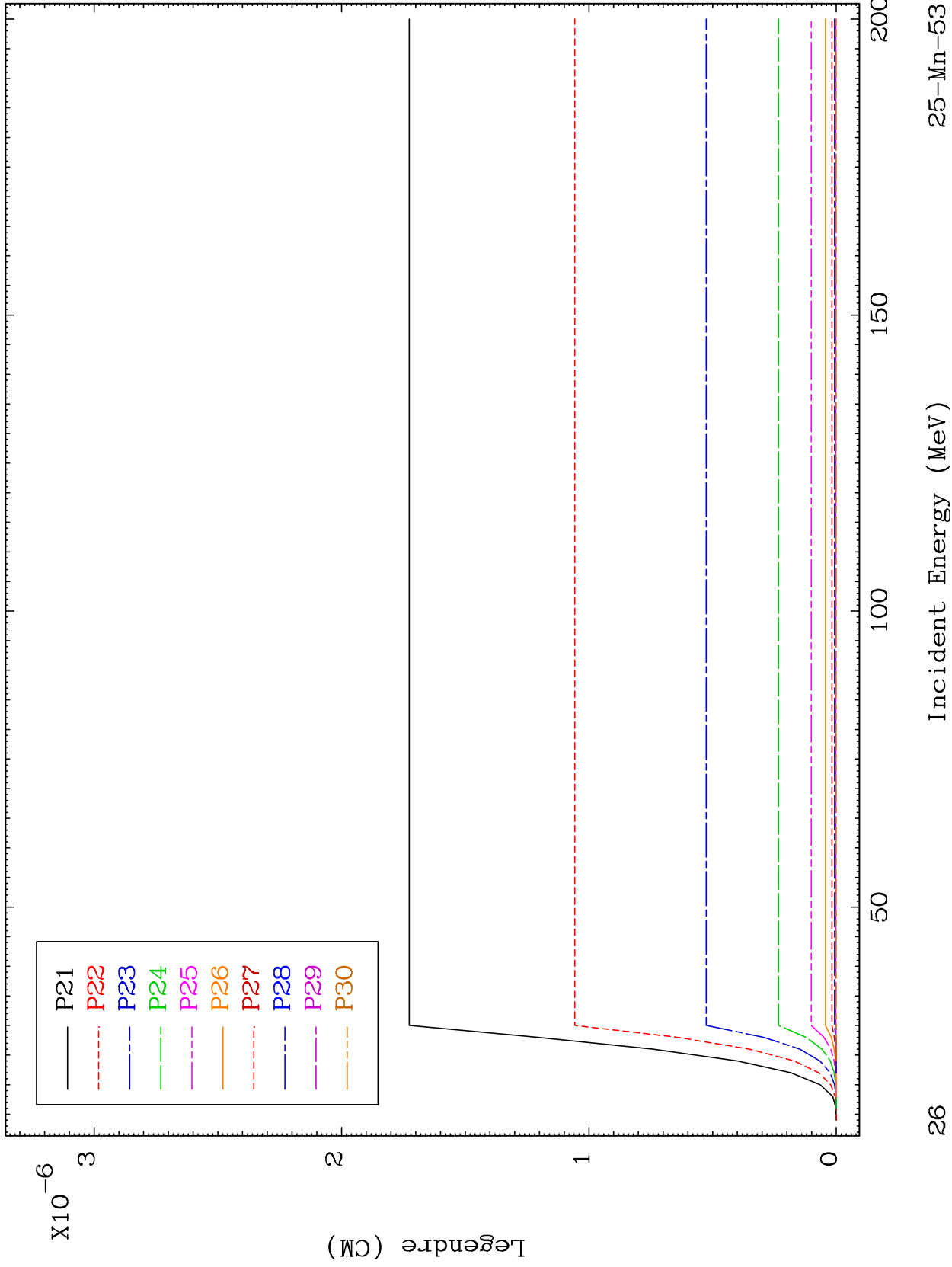
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25-Mn-53

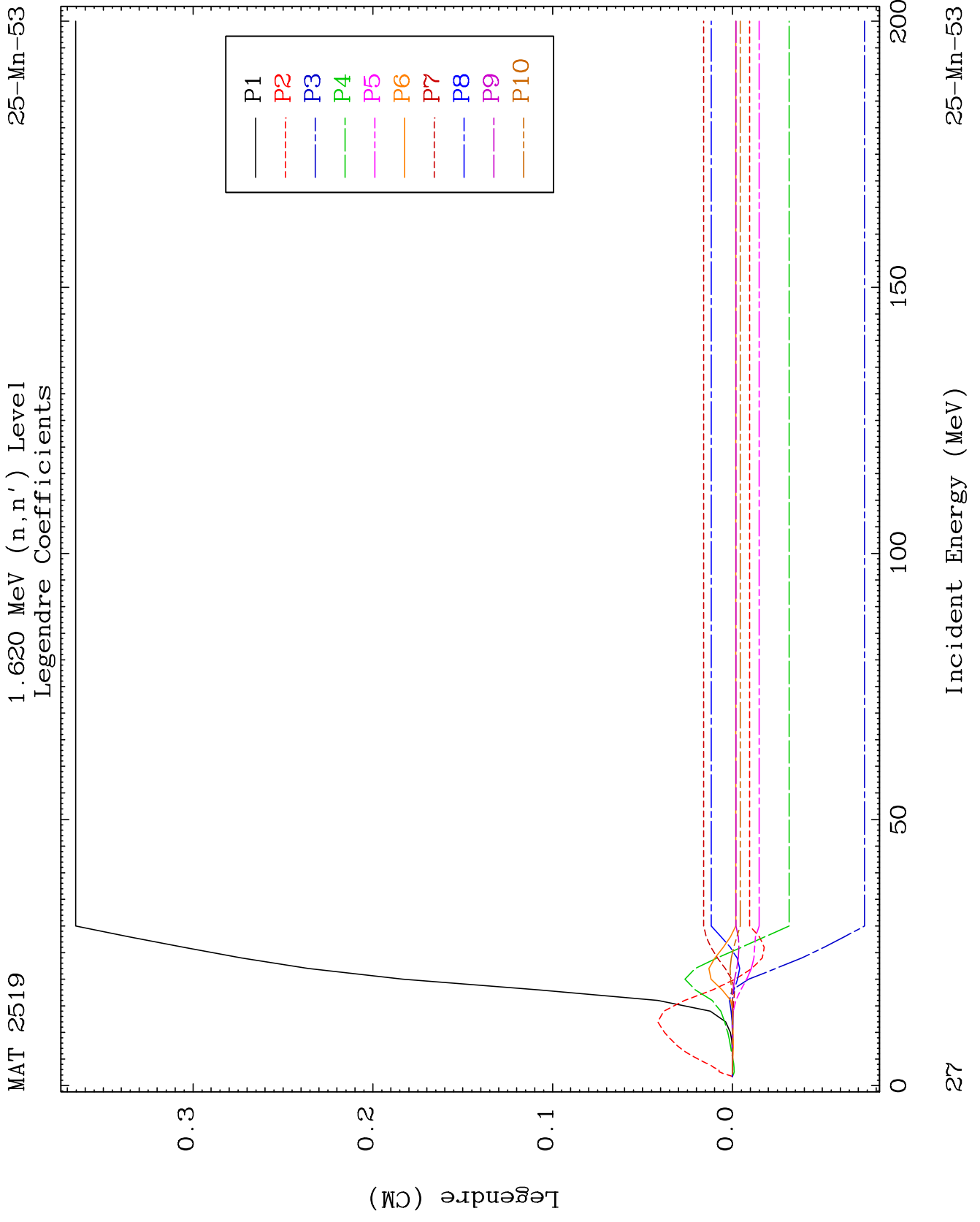
MAT 2519

1.441 MeV (n,n') Level  
Legendre Coefficients

25-Mn-53



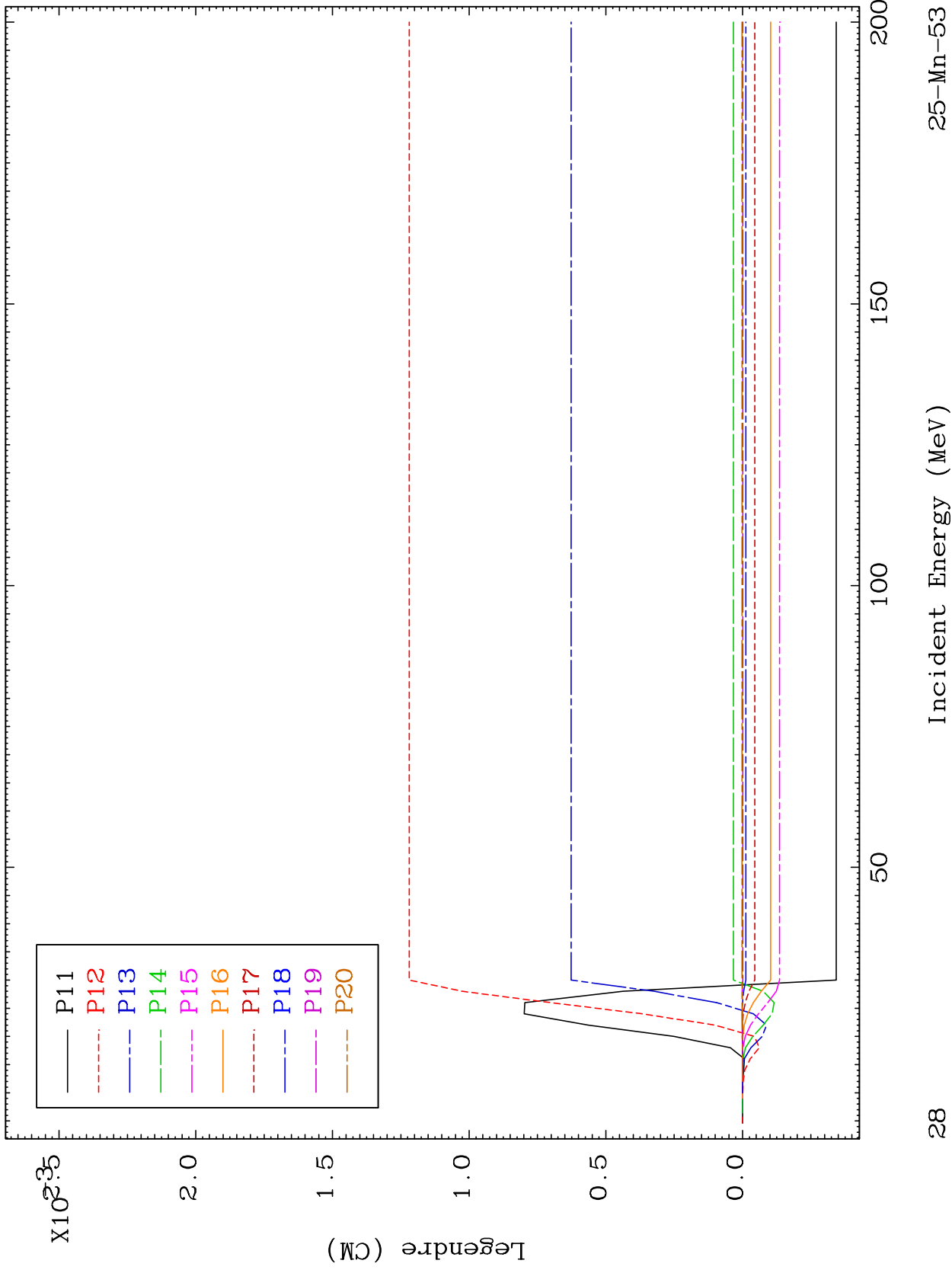
26



MAT 2519

1.620 MeV (n,n') Level  
Legendre Coefficients

25-Mn-53



28

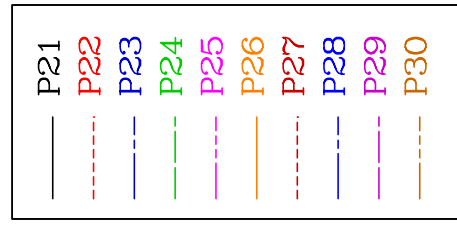
Incident Energy (MeV)

25-Mn-53

MAT 2519

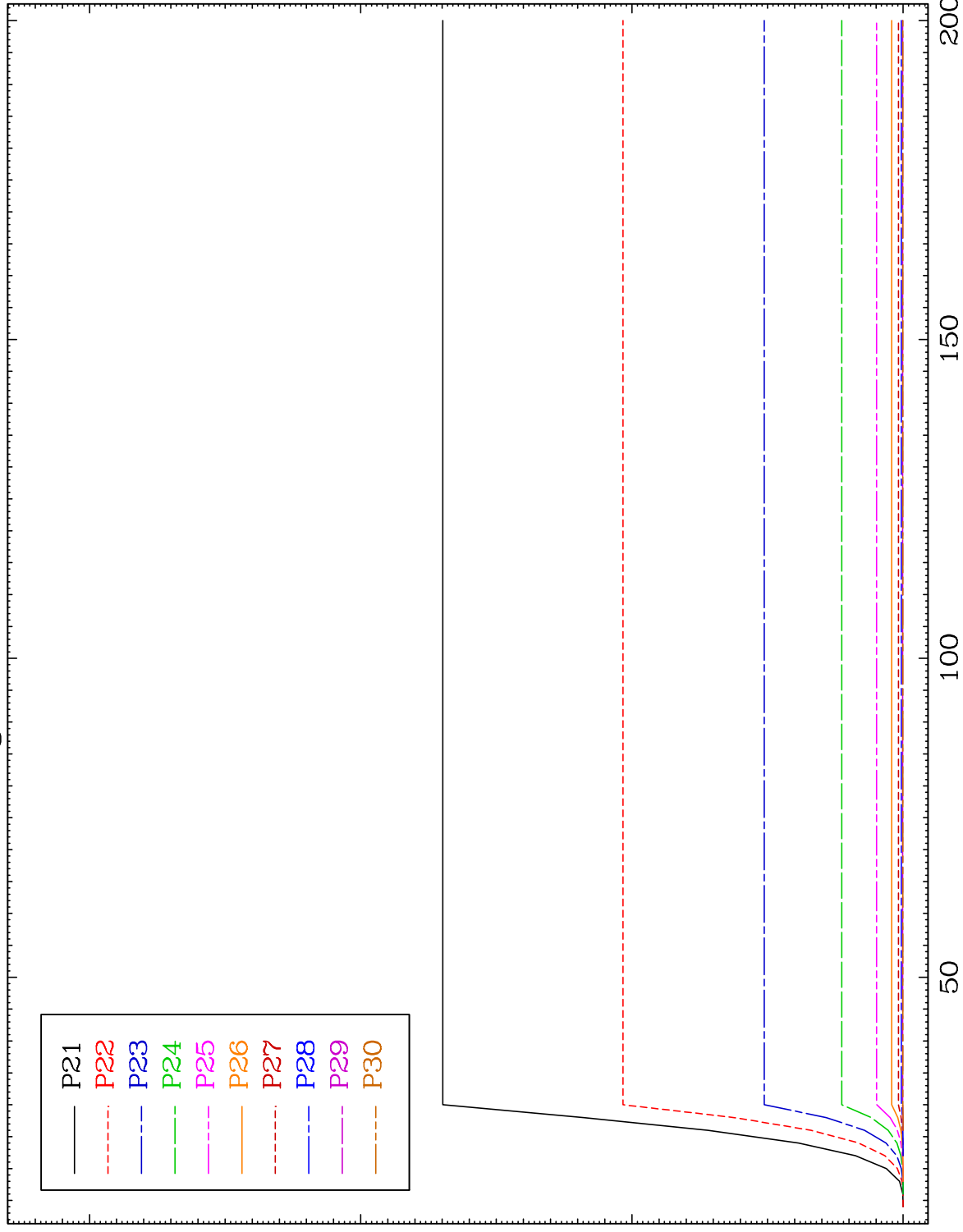
1.620 MeV (n,n') Level  
Legendre Coefficients

25-Mn-53



$\times 10^{-6}$

Legendre (CM)

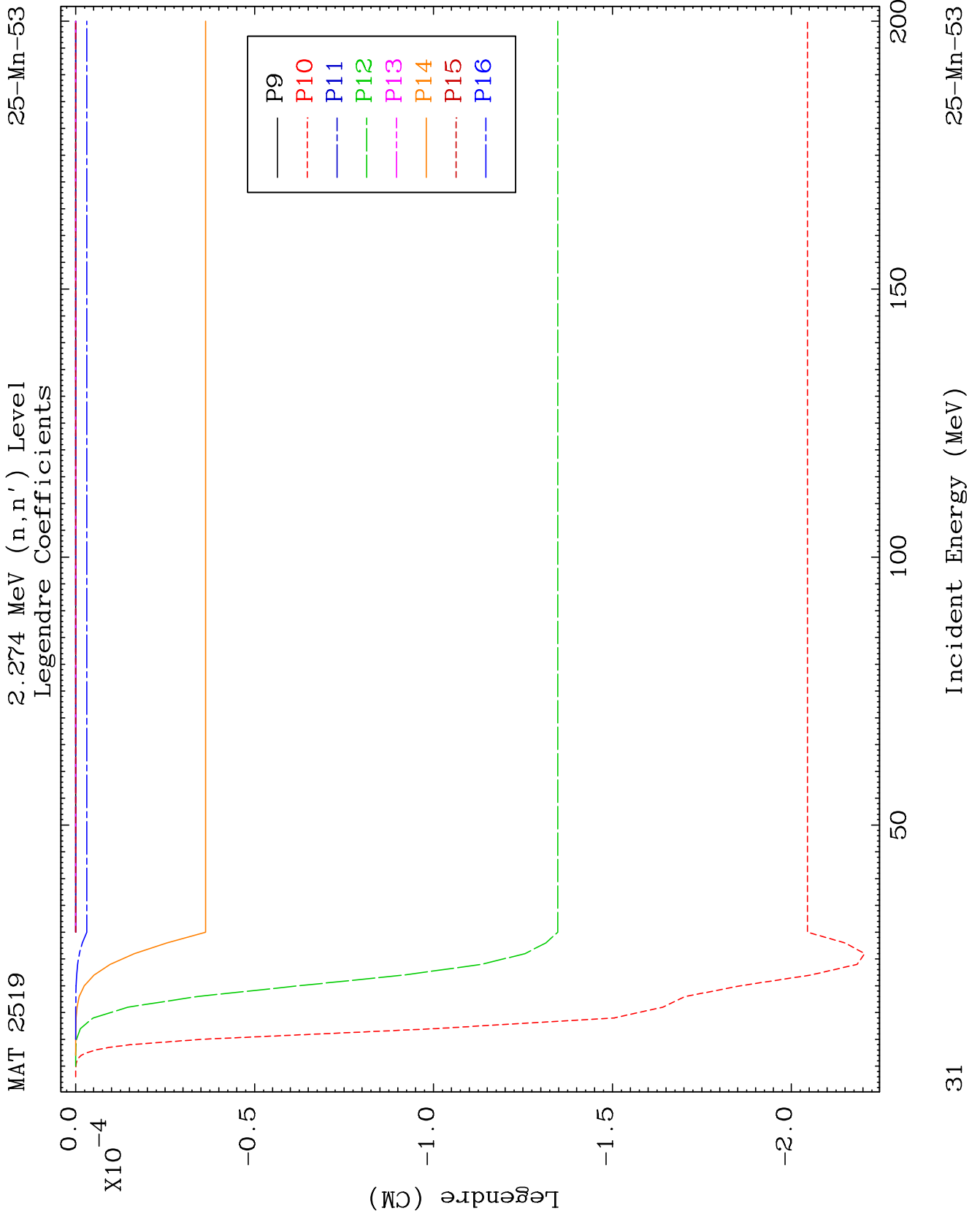


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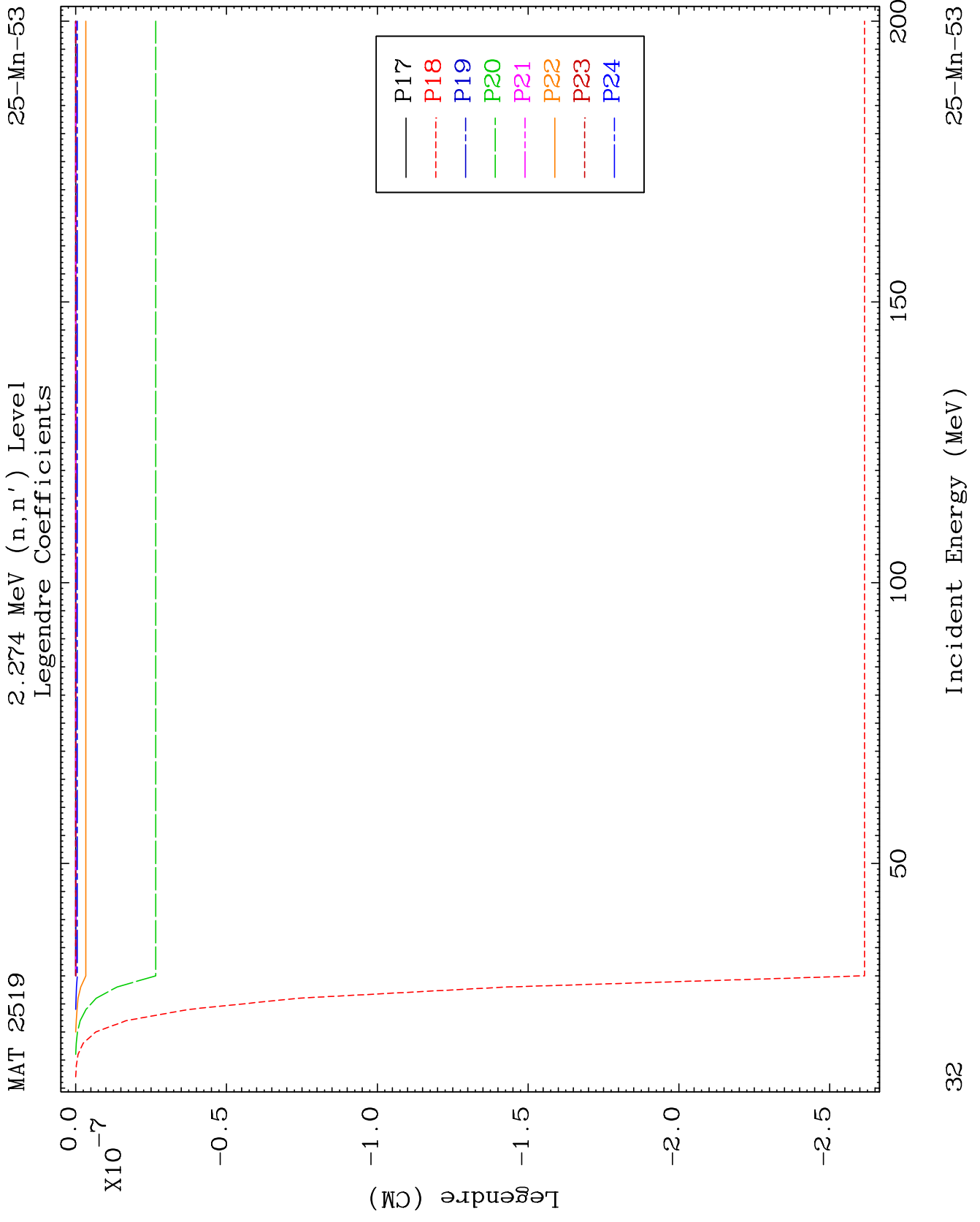
Incident Energy (MeV)

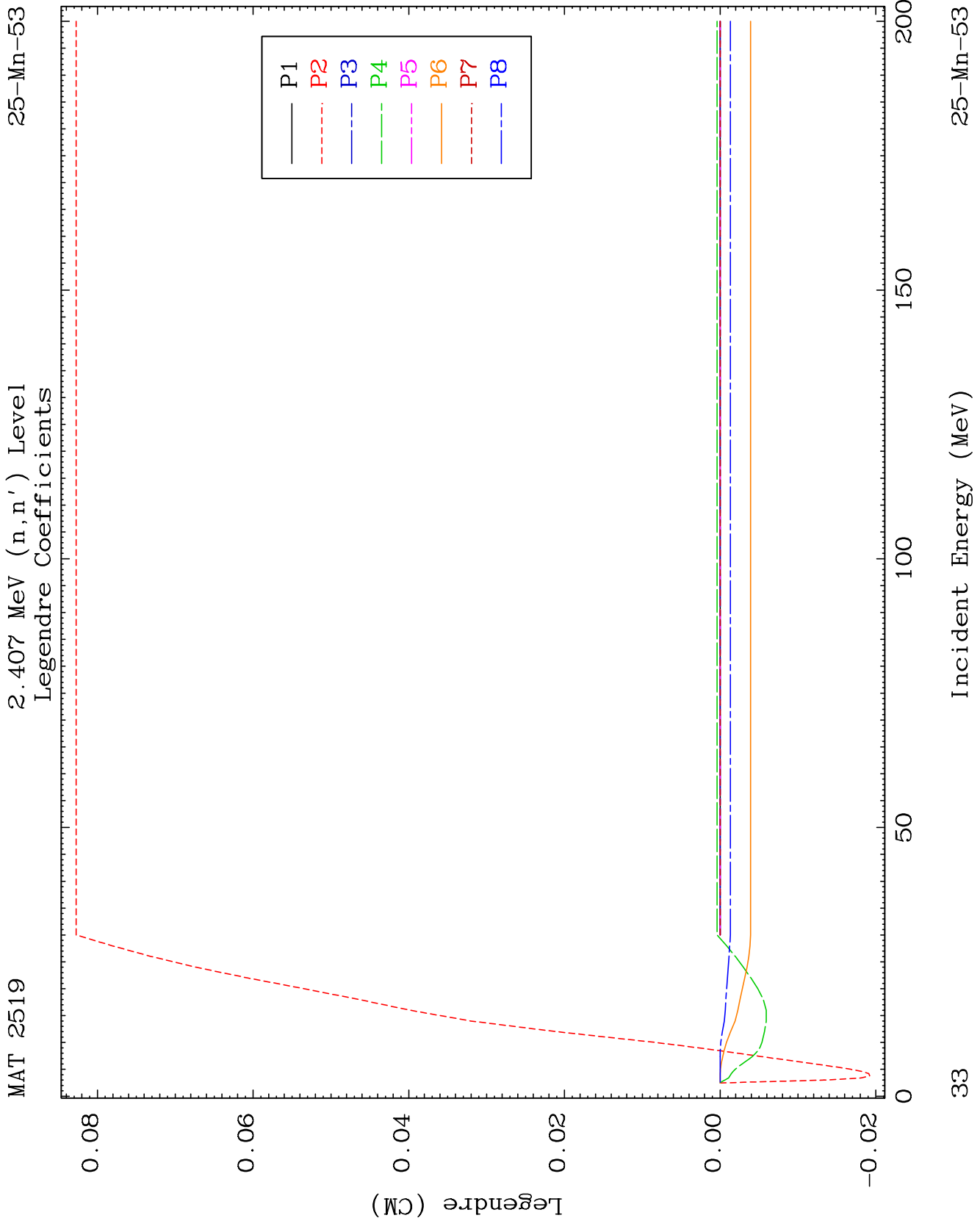
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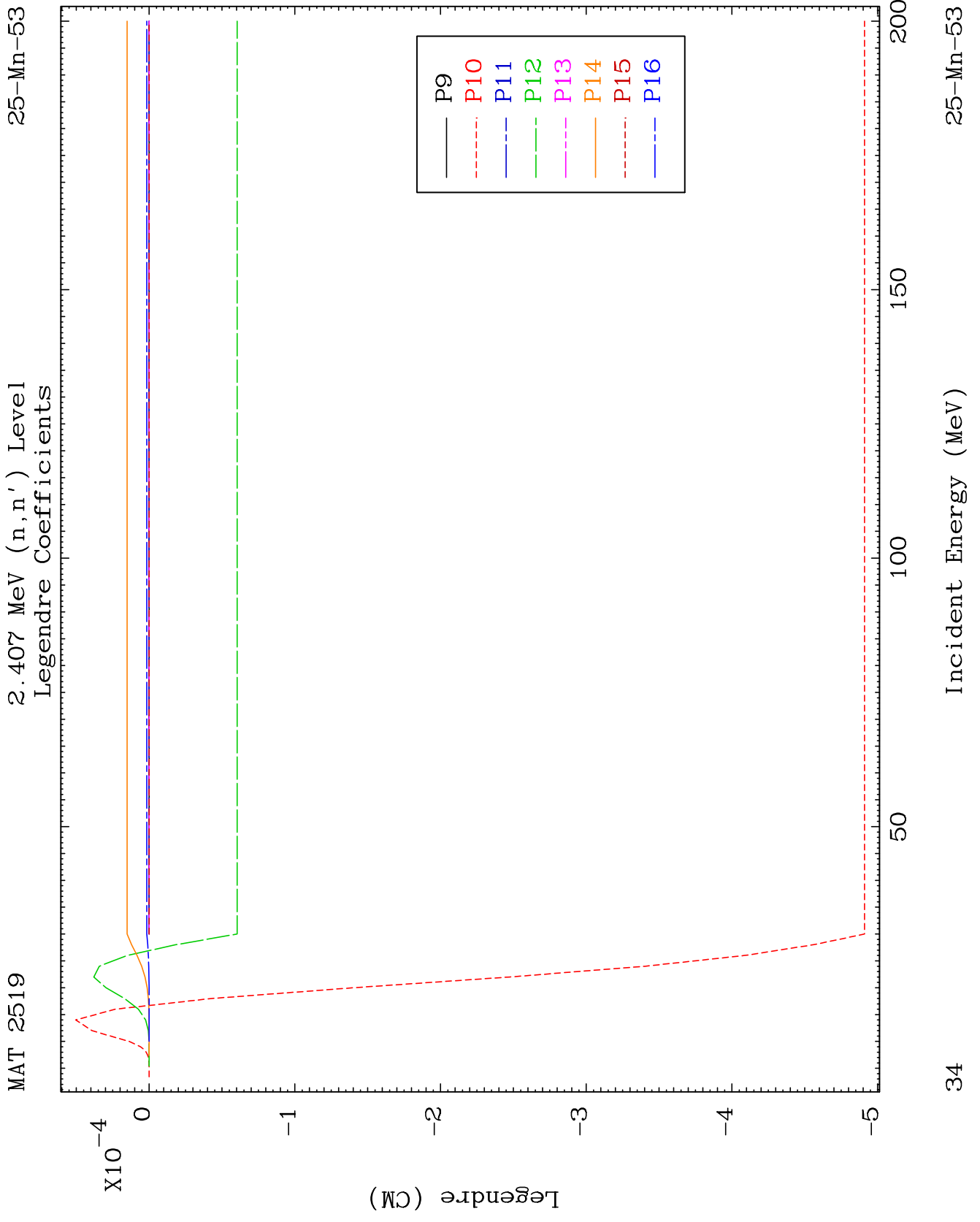


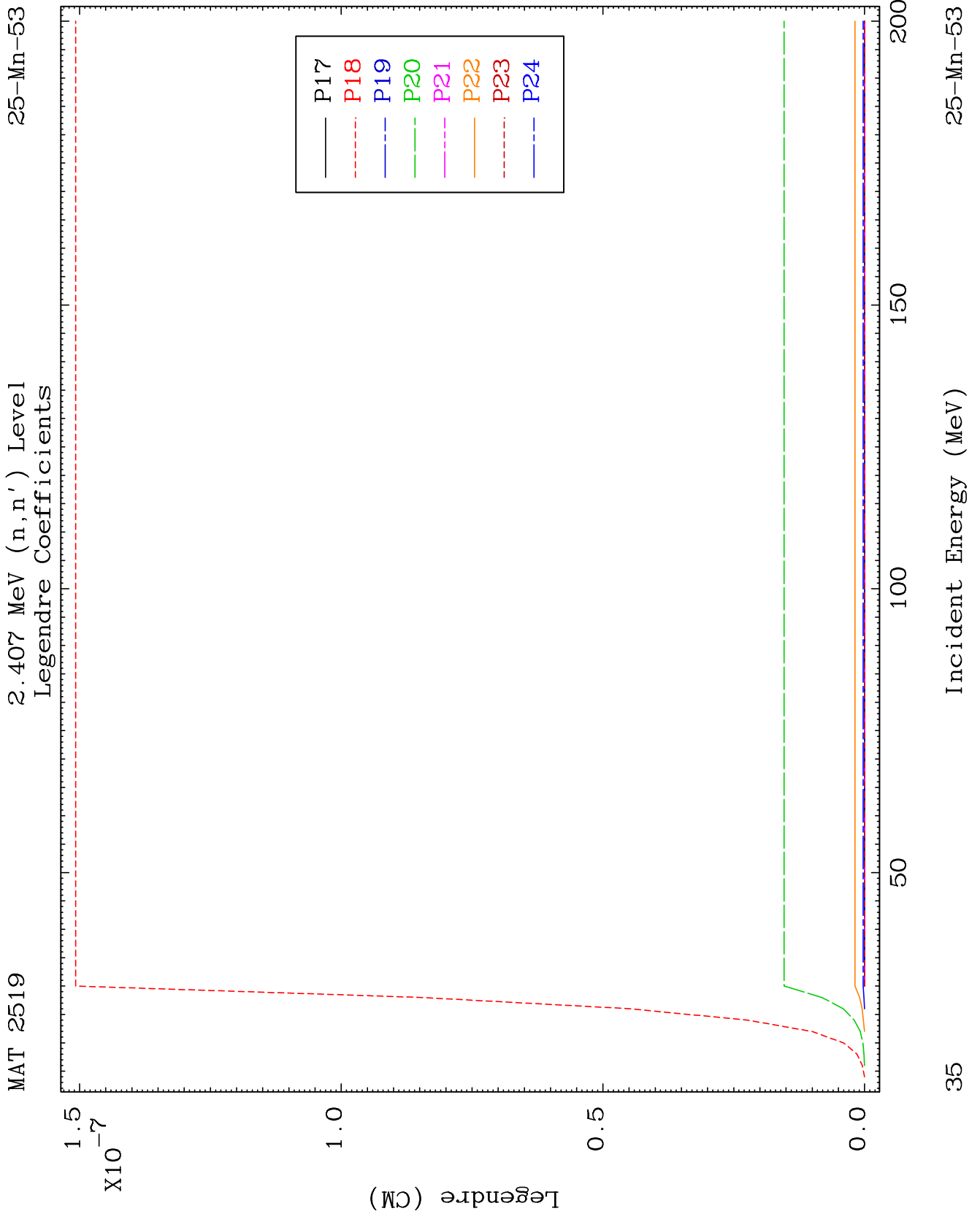




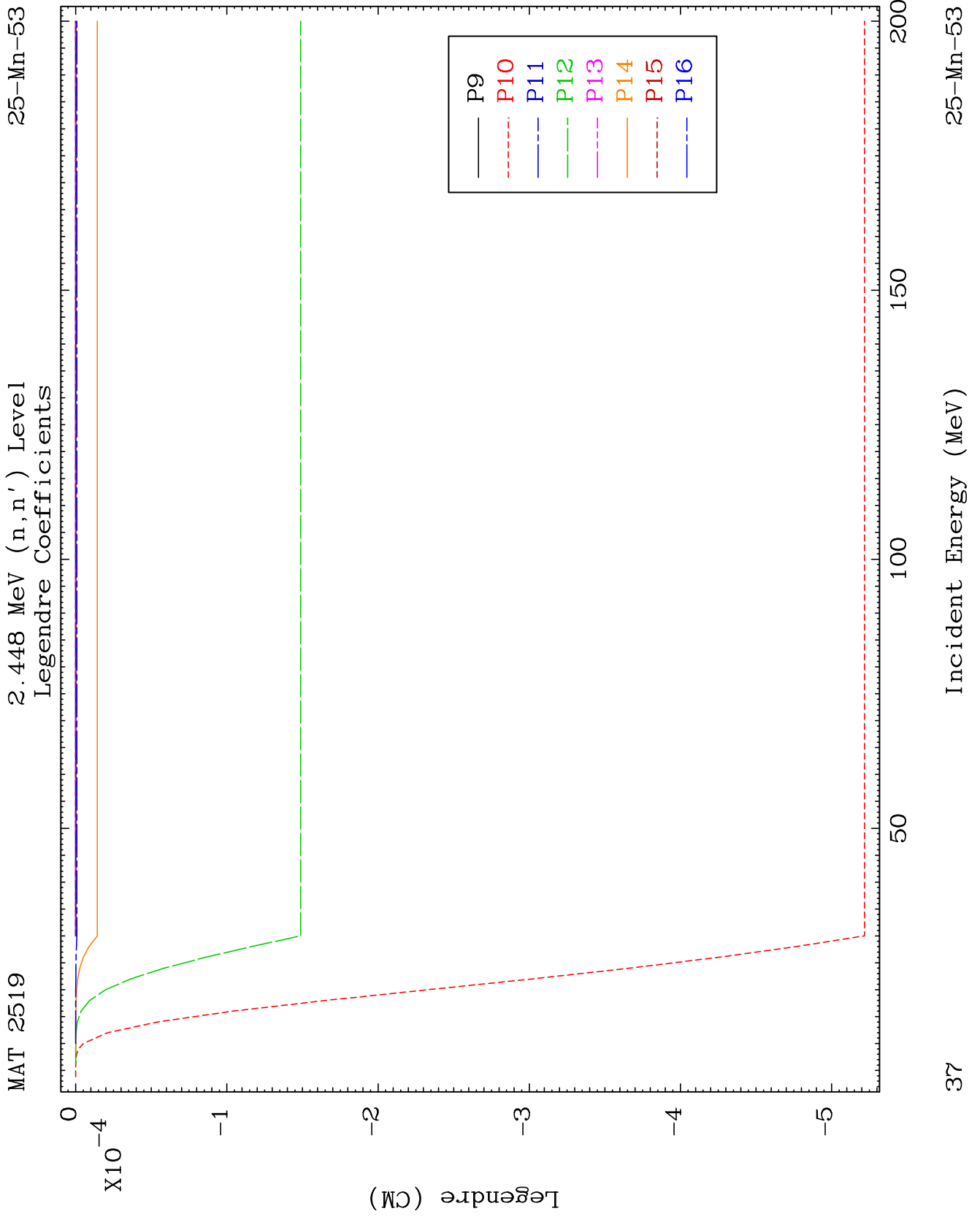


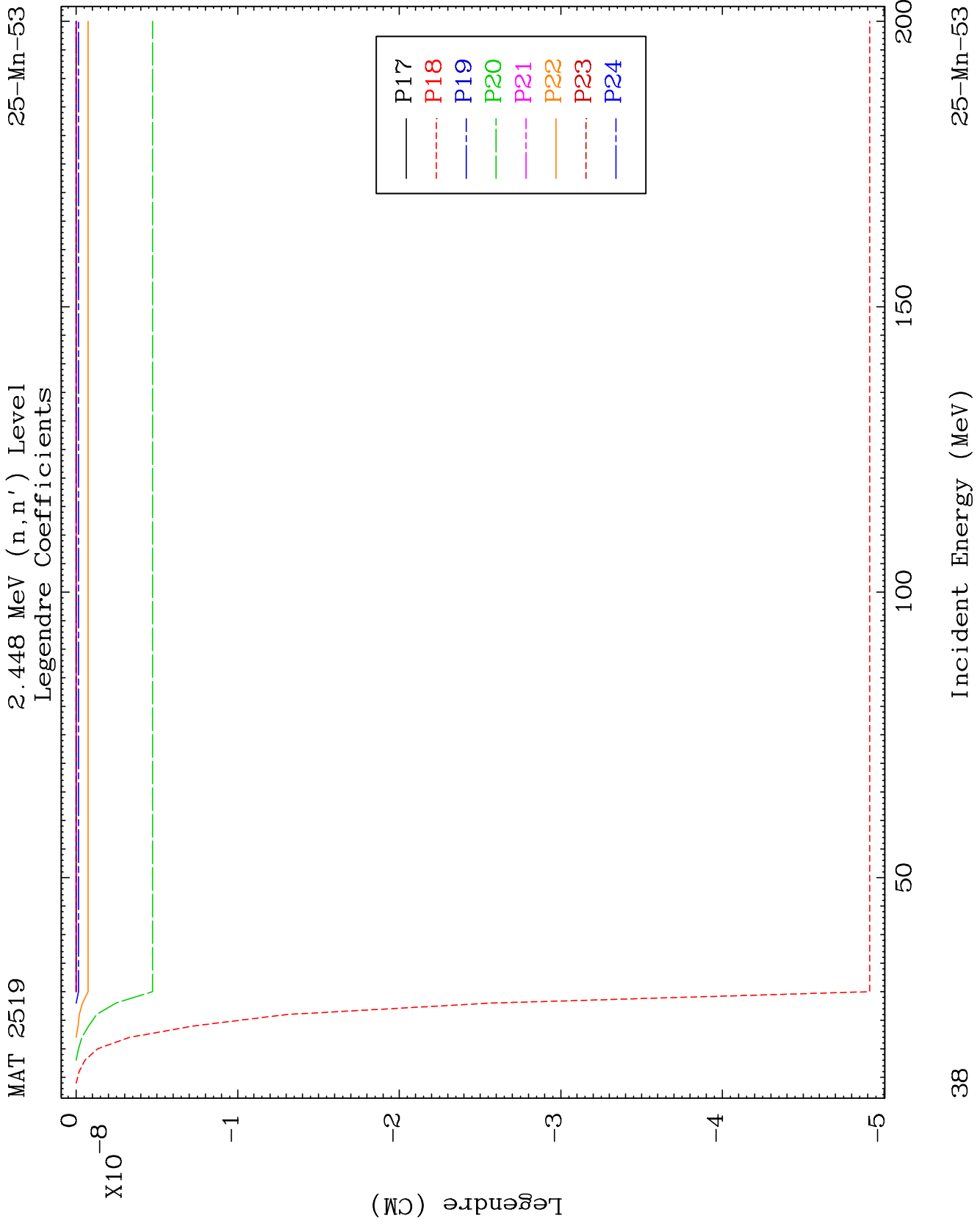








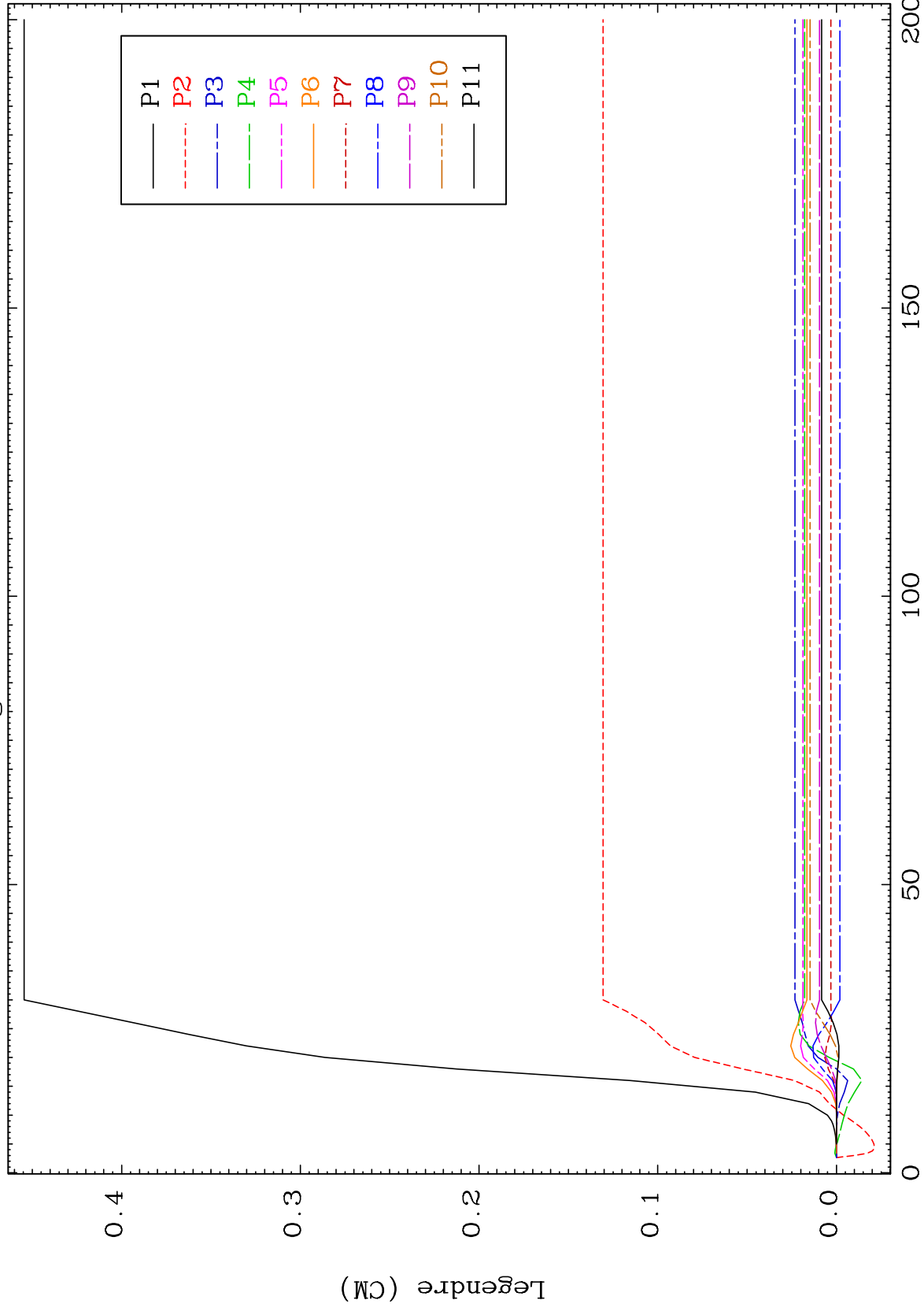




MAT 2519

2.563 MeV (n,n') Level  
Legendre Coefficients

25-Mn-53

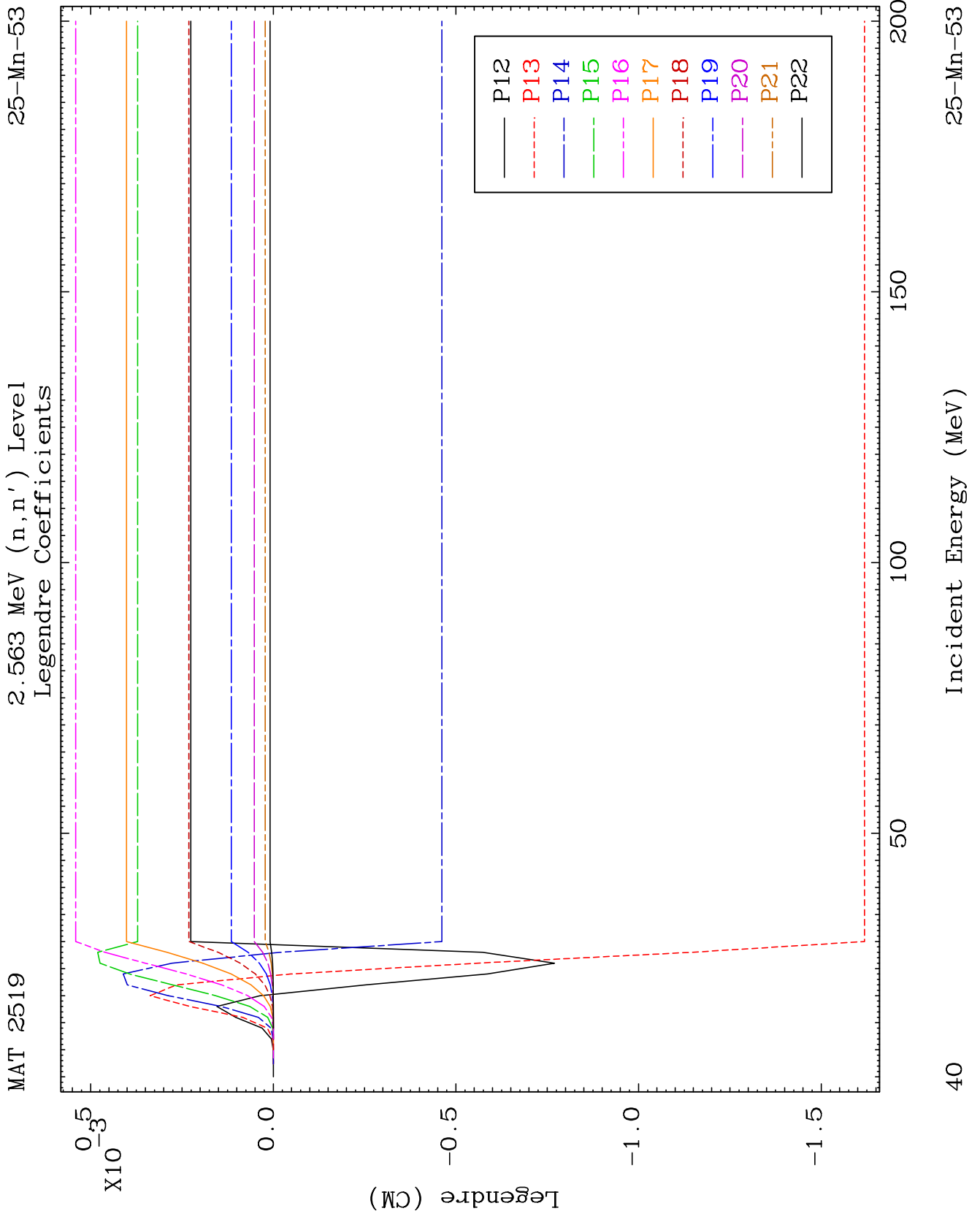


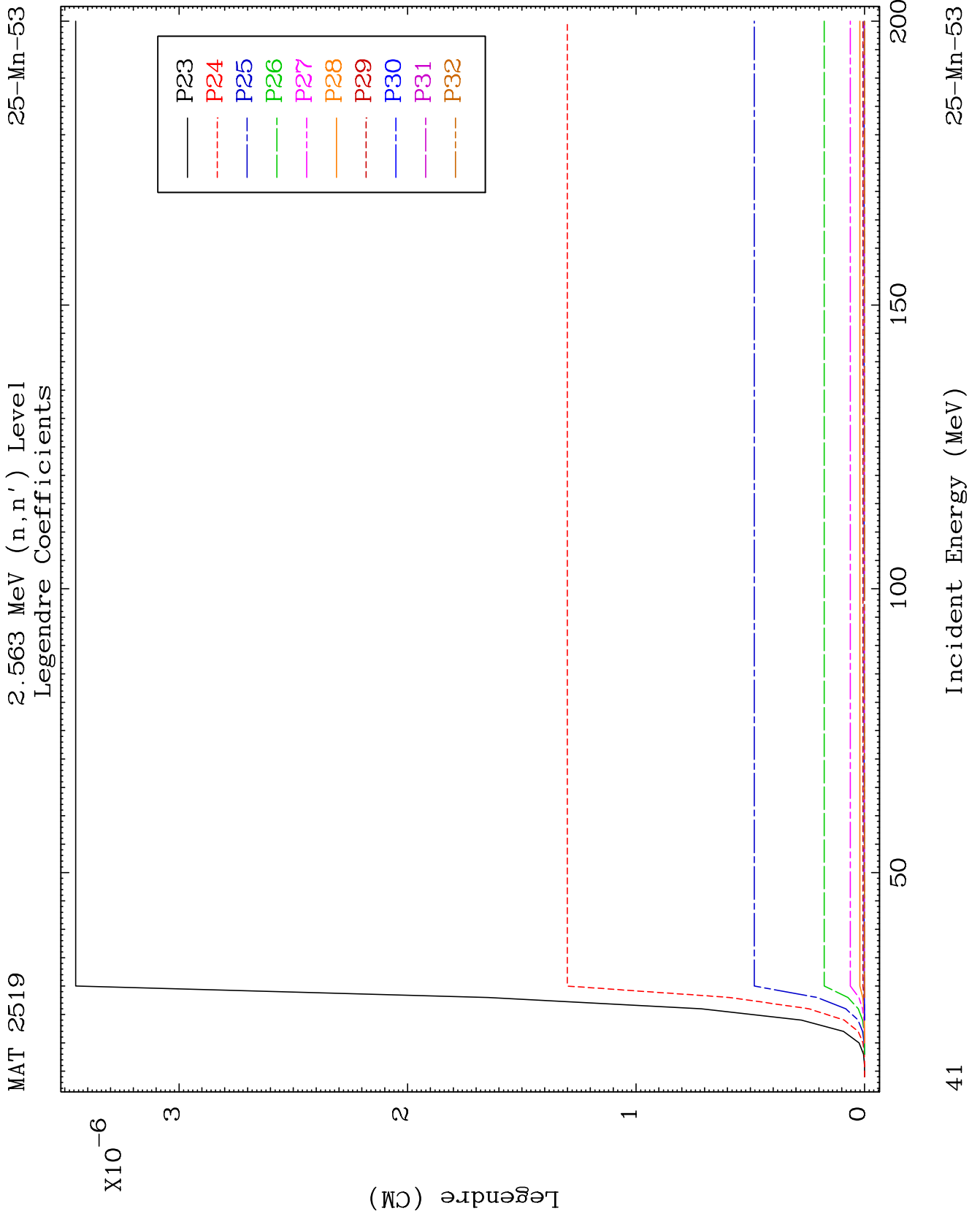
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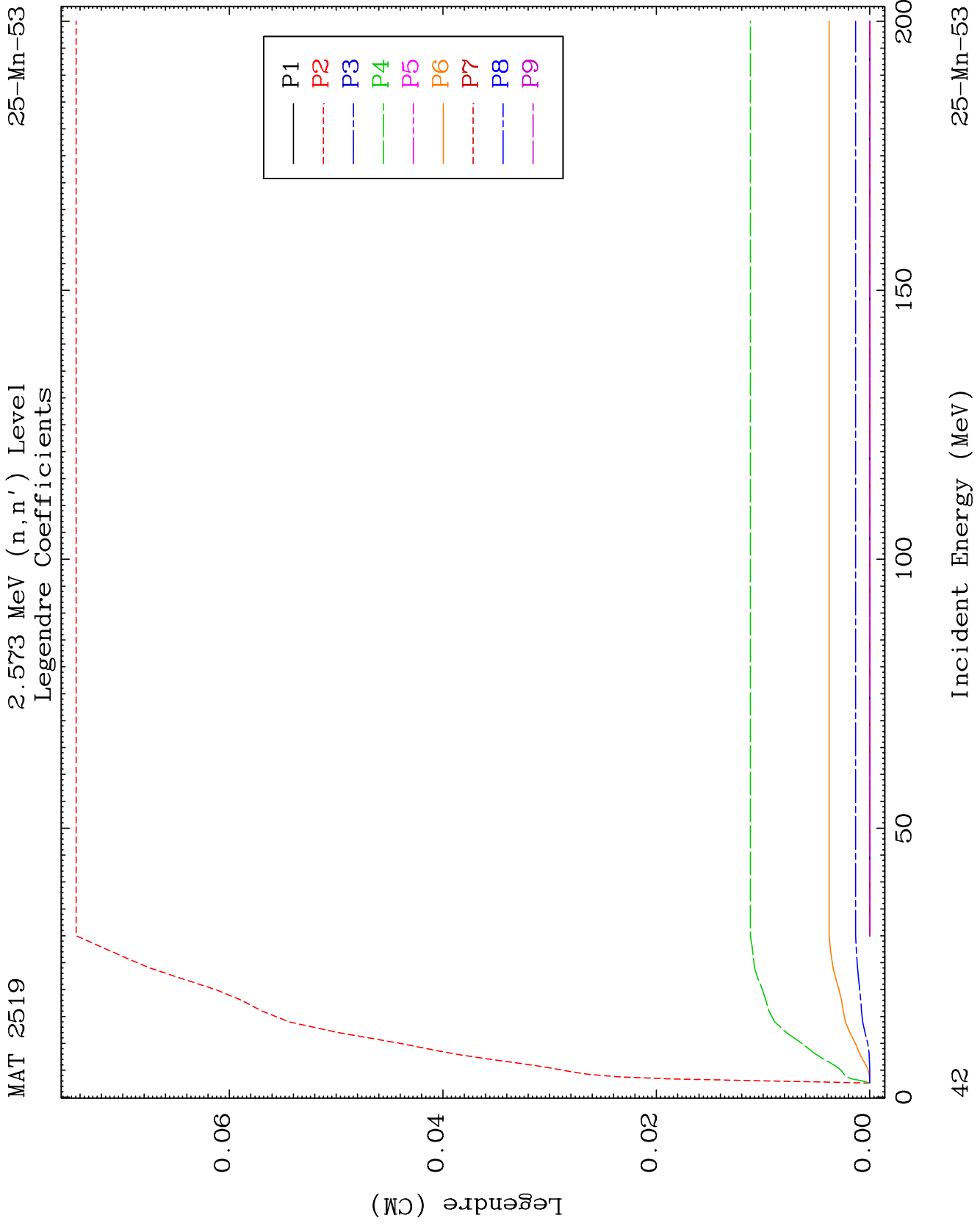
Incident Energy (MeV)

25-Mn-53





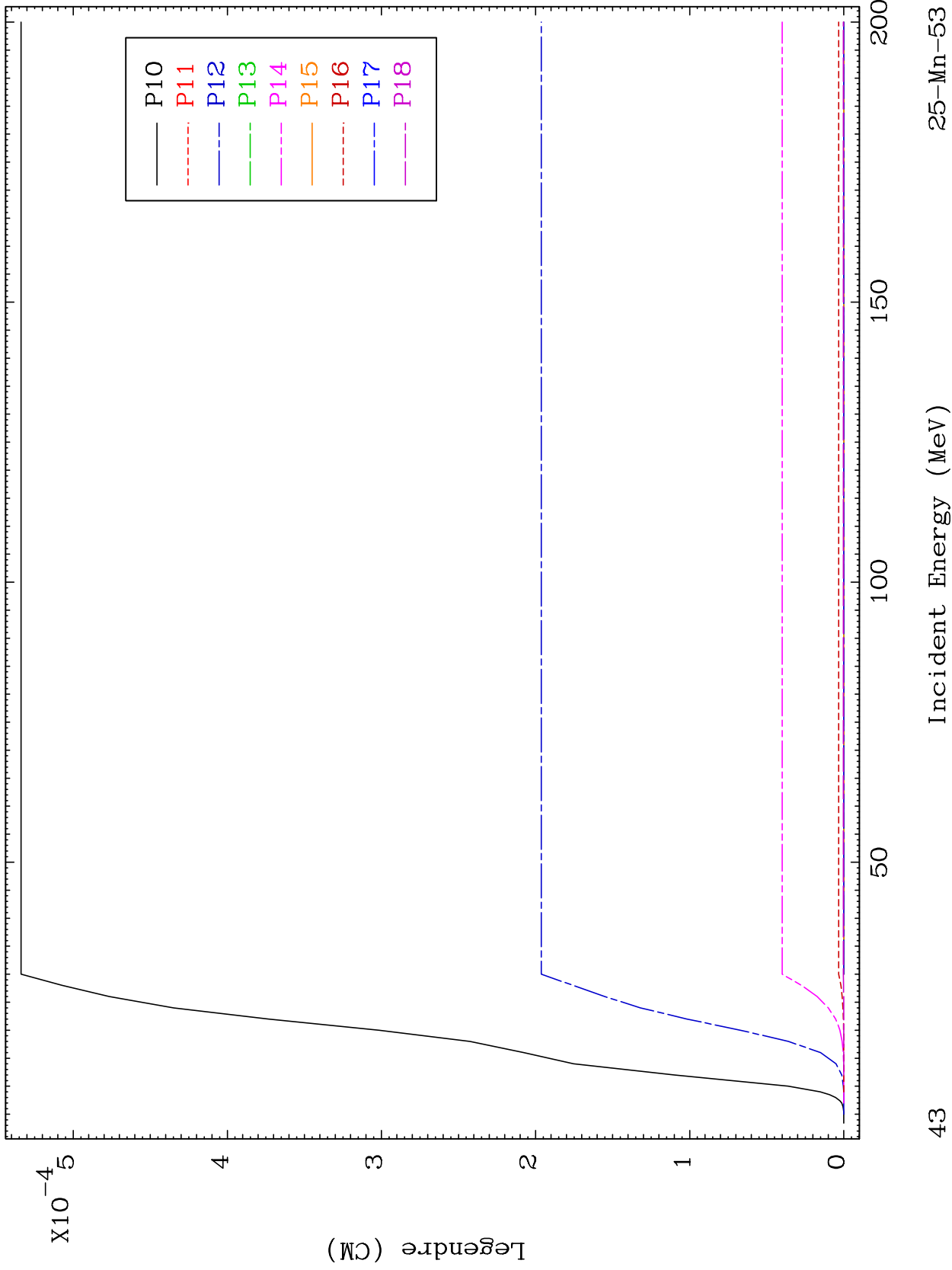




MAT 2519

2.573 MeV (n,n') Level  
Legendre Coefficients

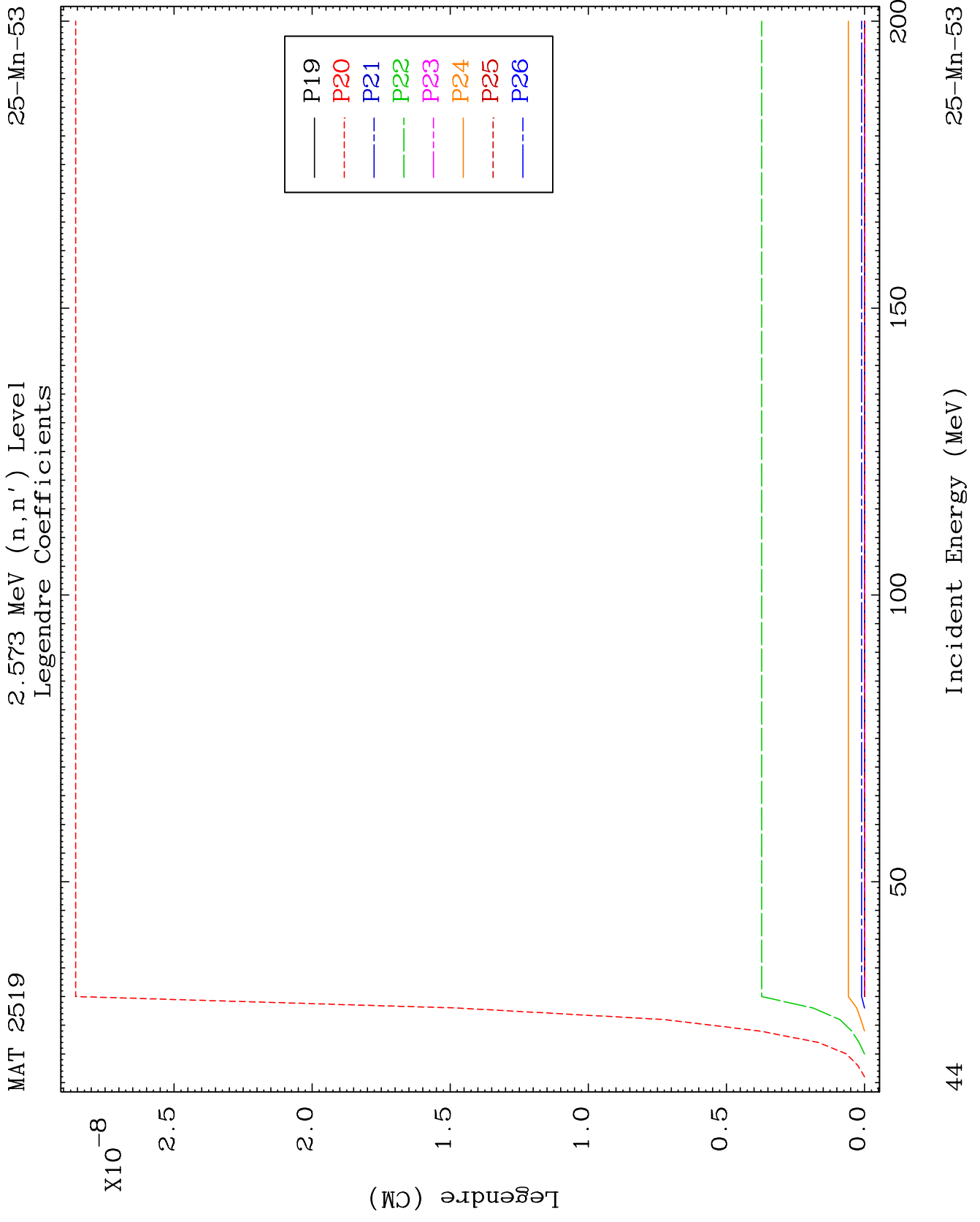
25-Mn-53

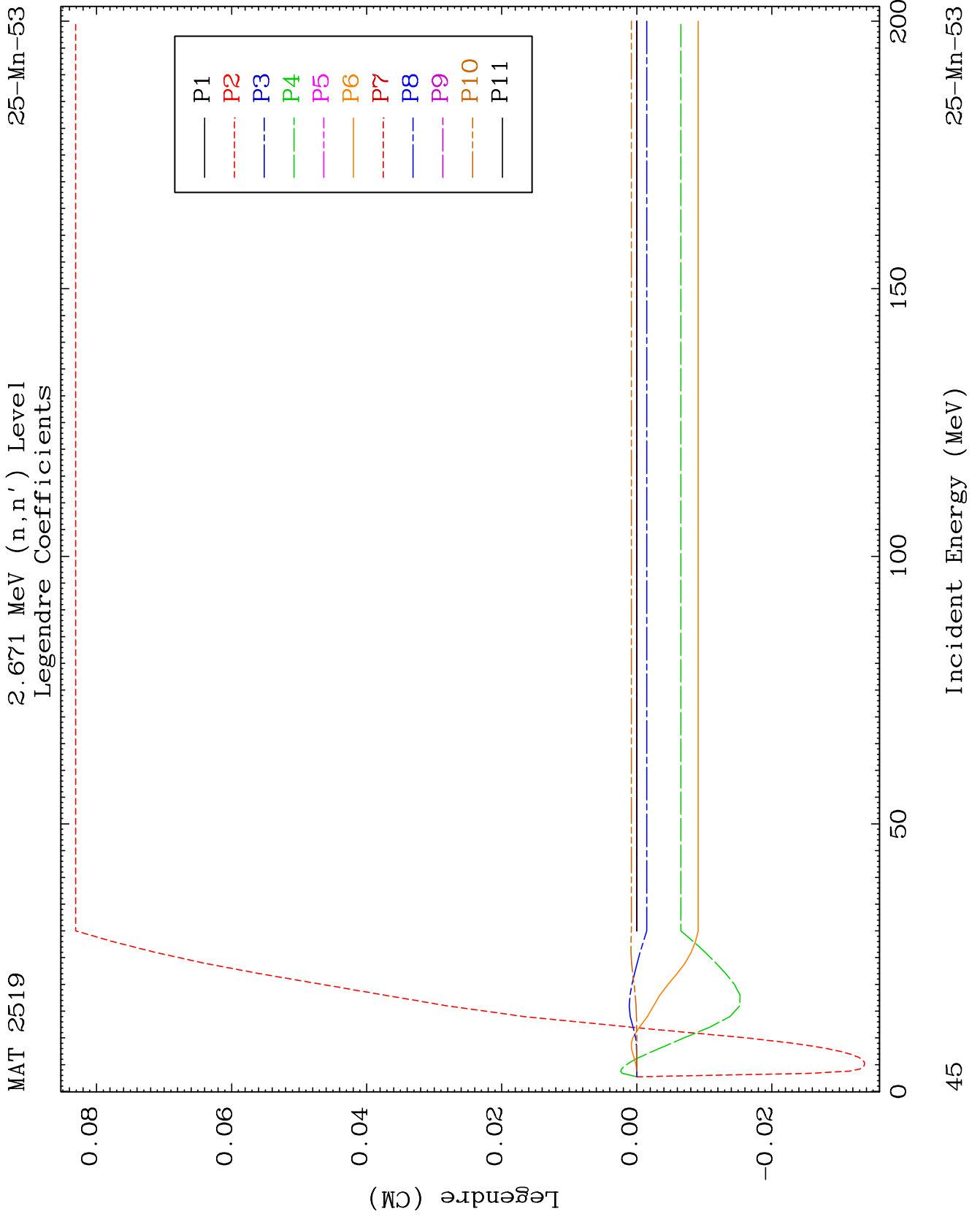


43

Incident Energy (MeV)

25-Mn-53

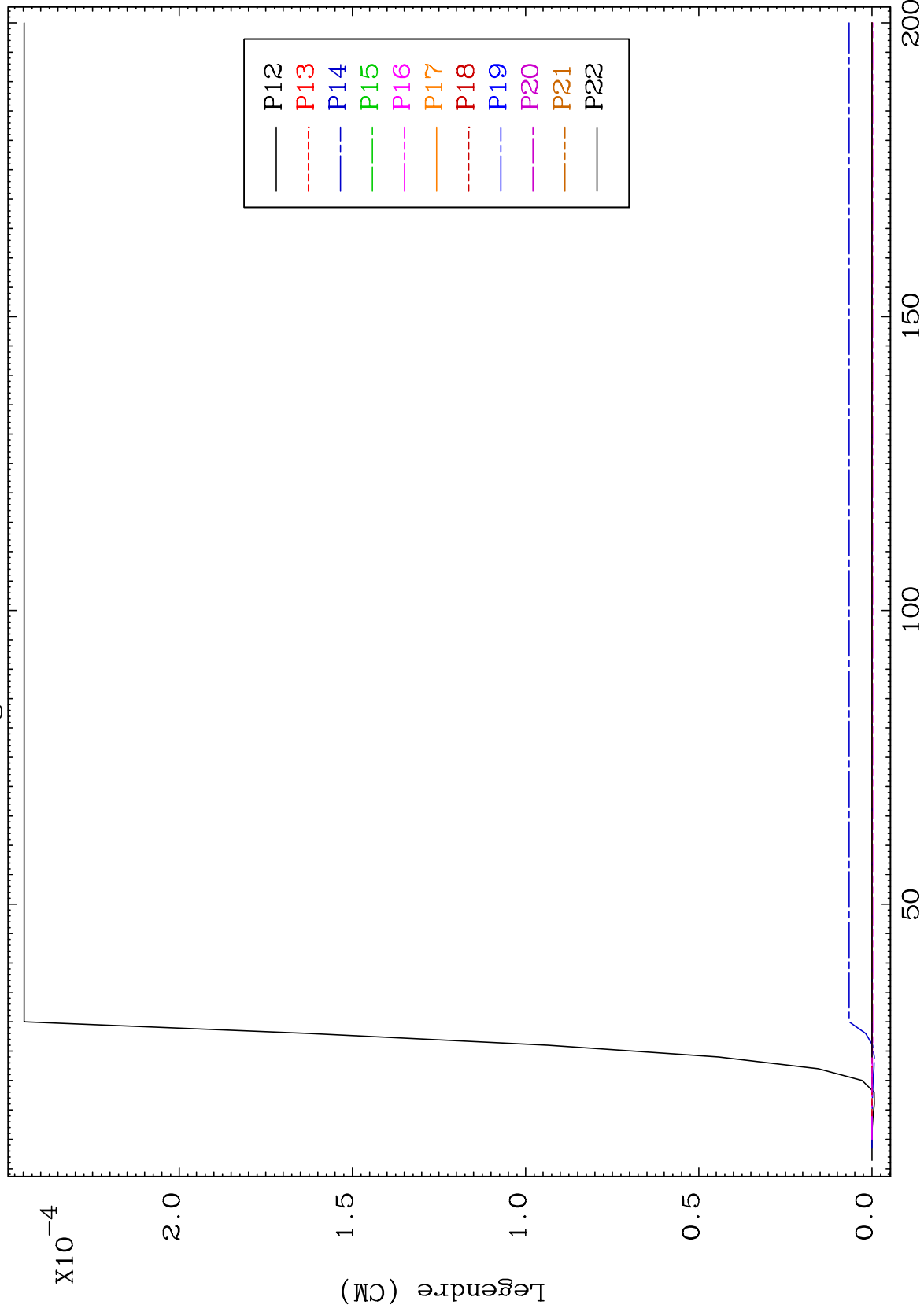




MAT 2519

2.671 MeV (n,n') Level  
Legendre Coefficients

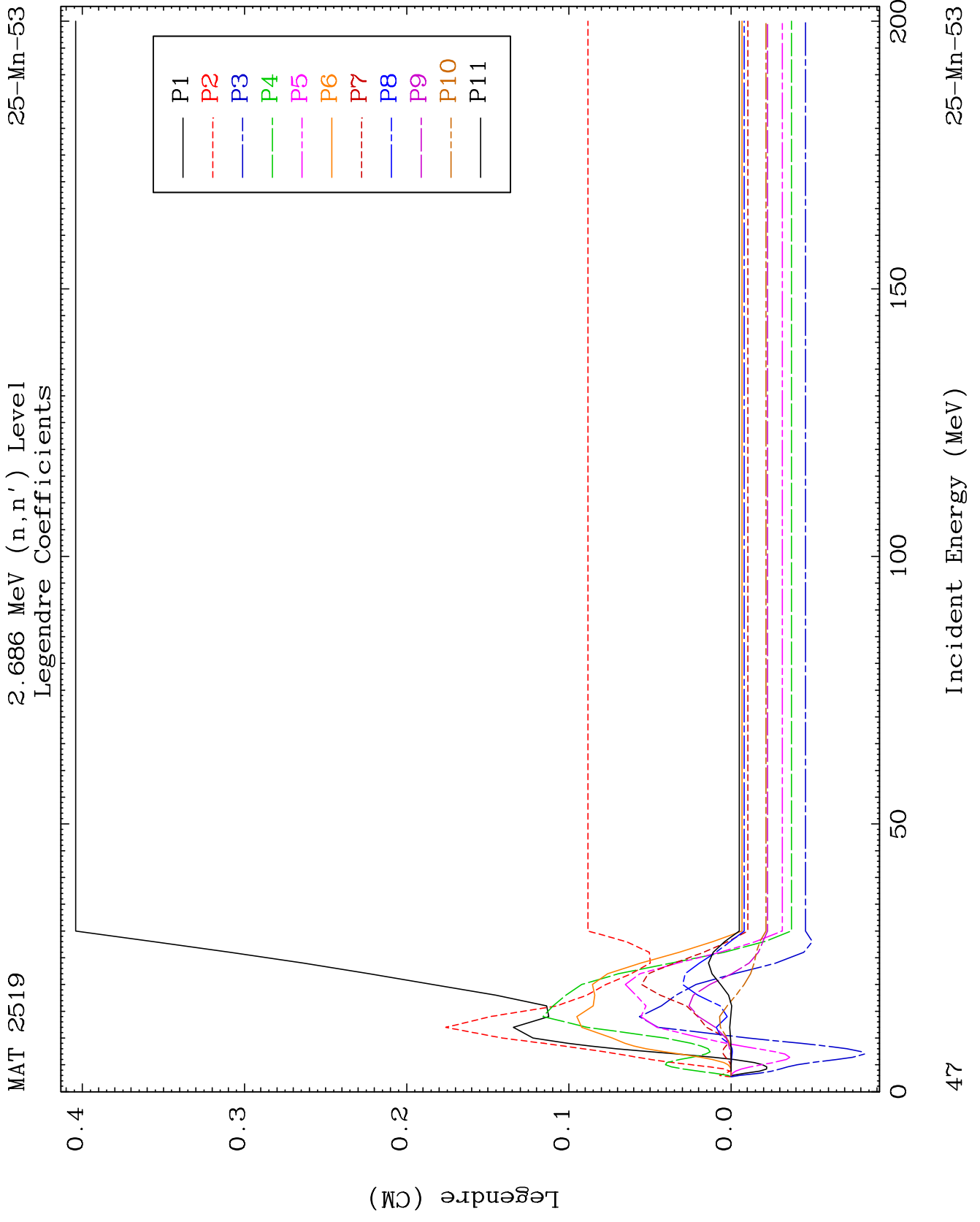
25-Mn-53



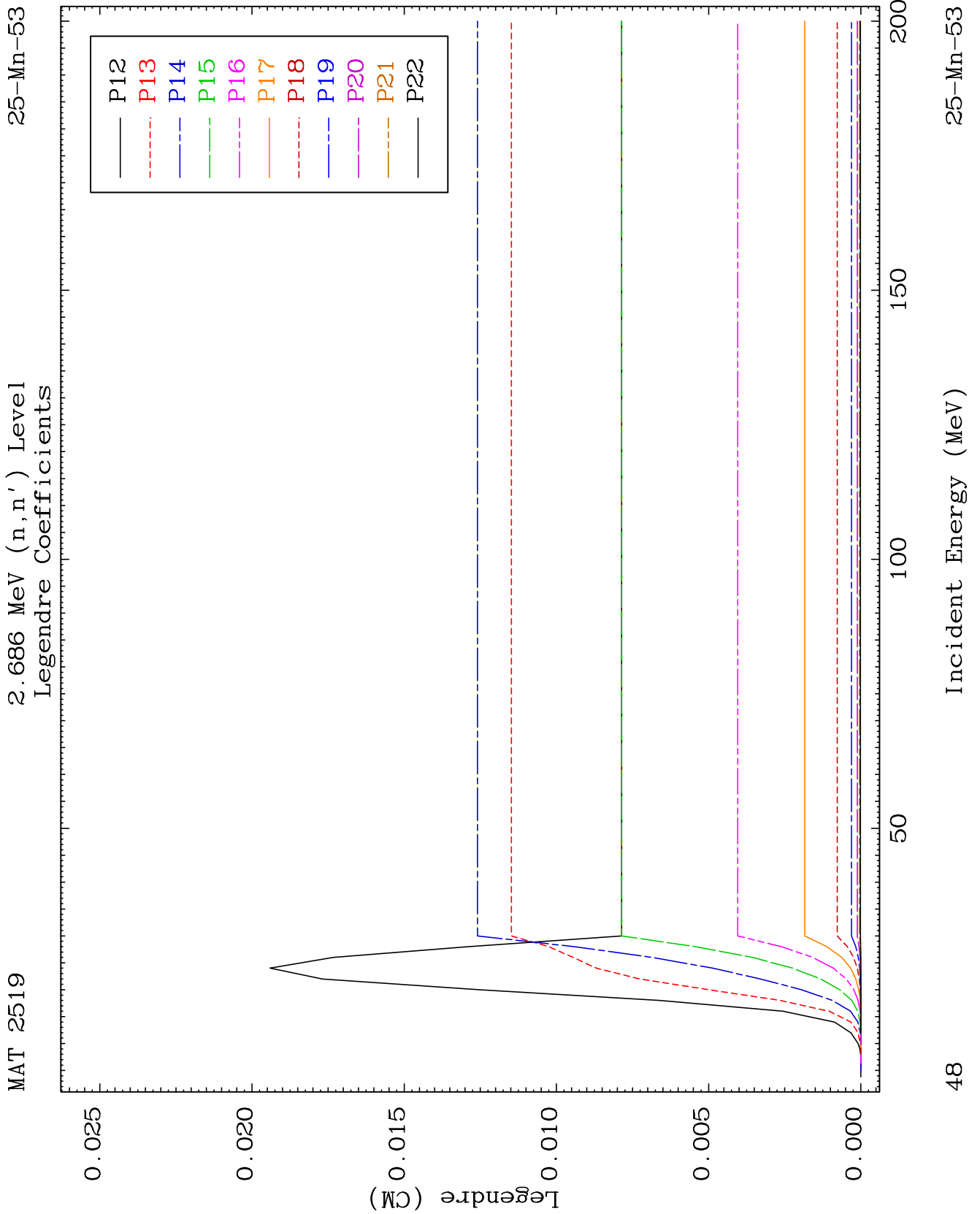
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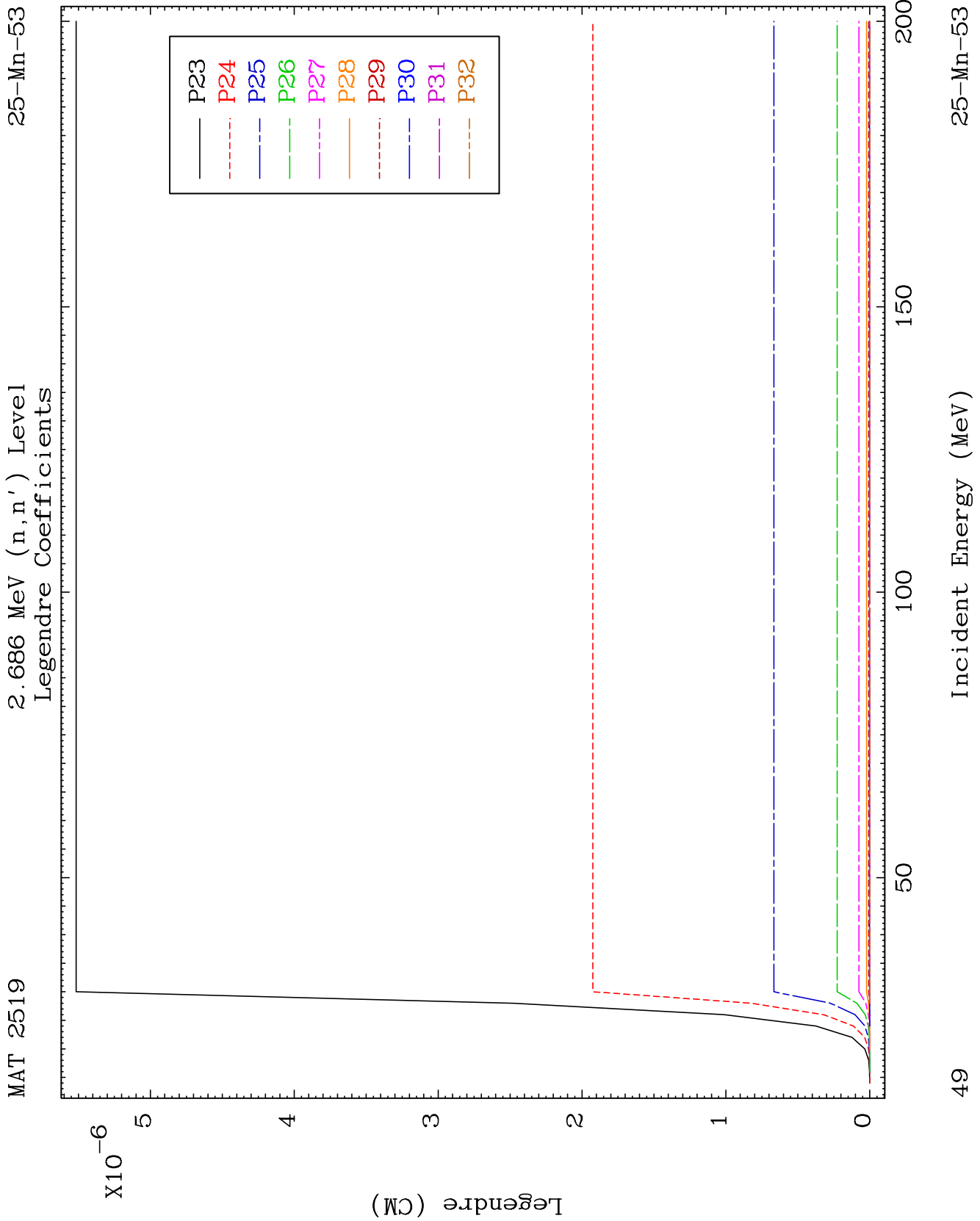
Incident Energy (MeV)

25-Mn-53

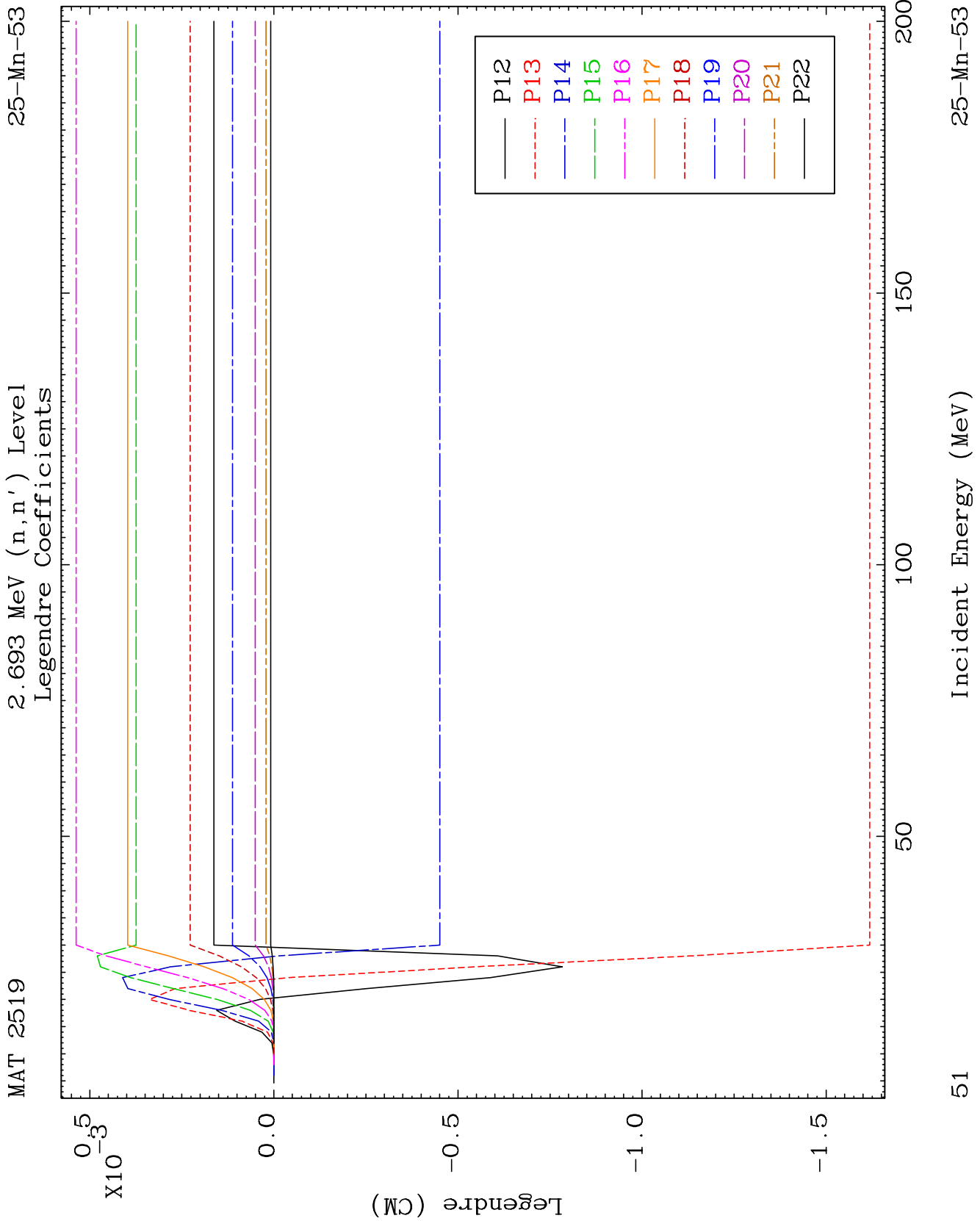


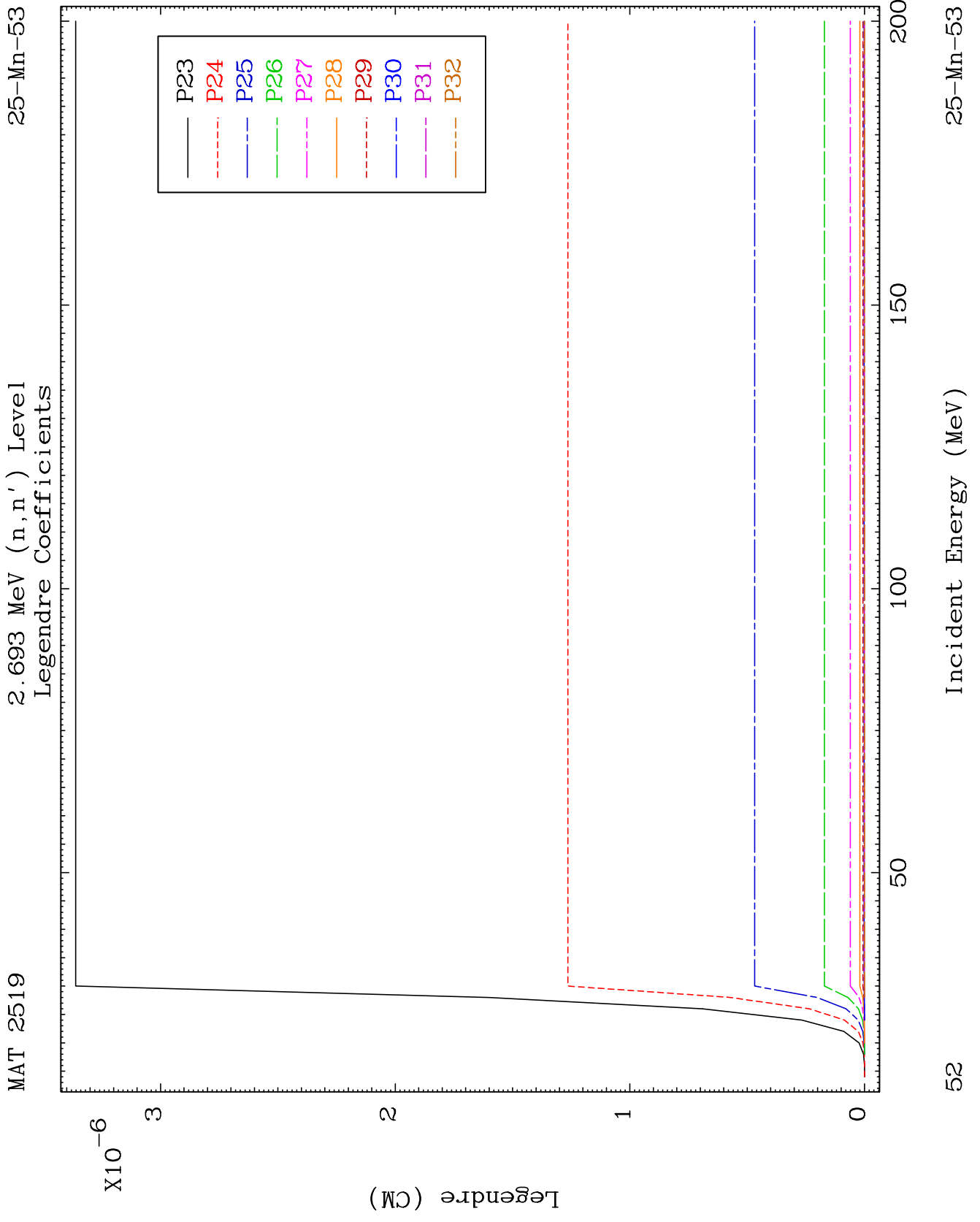


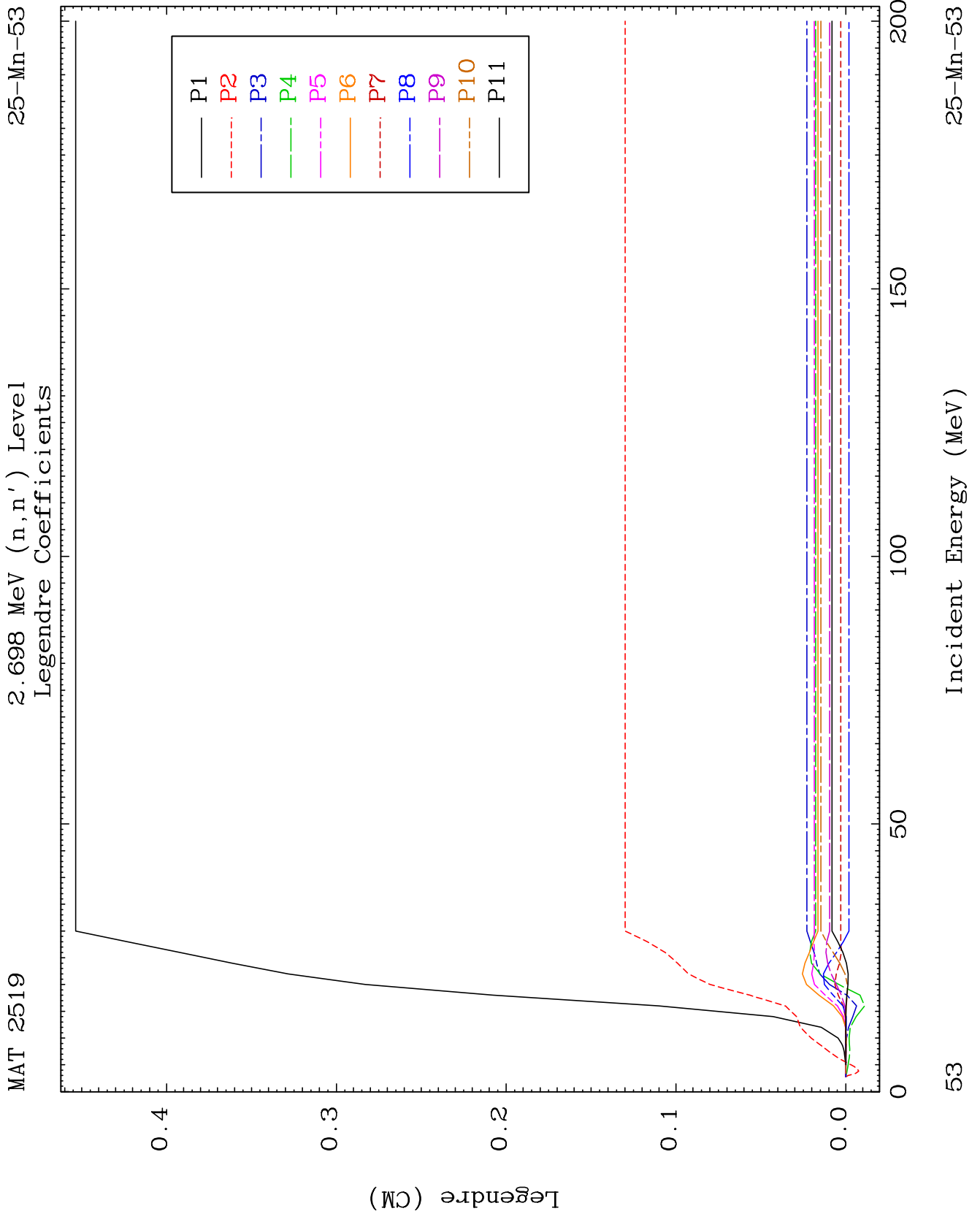


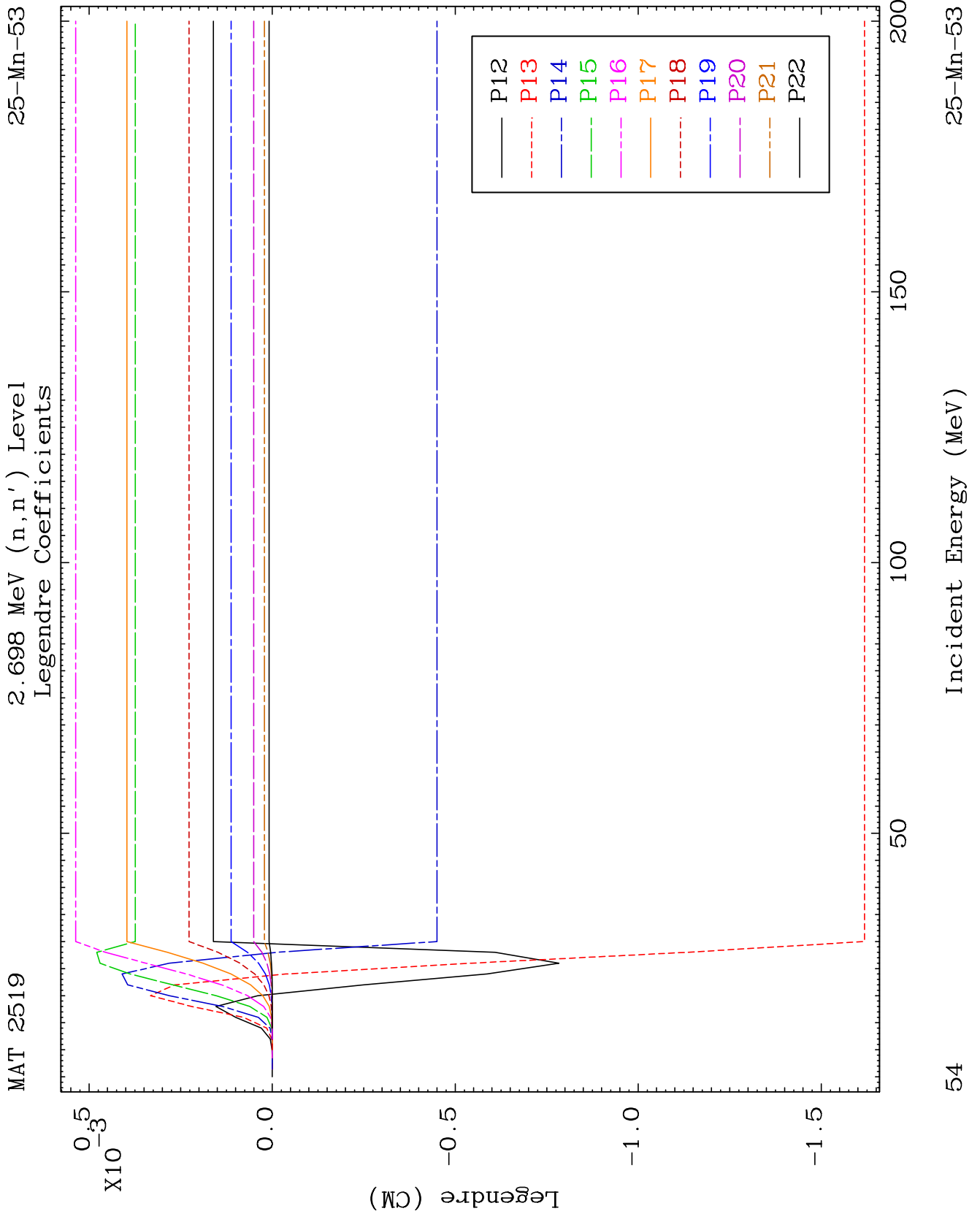


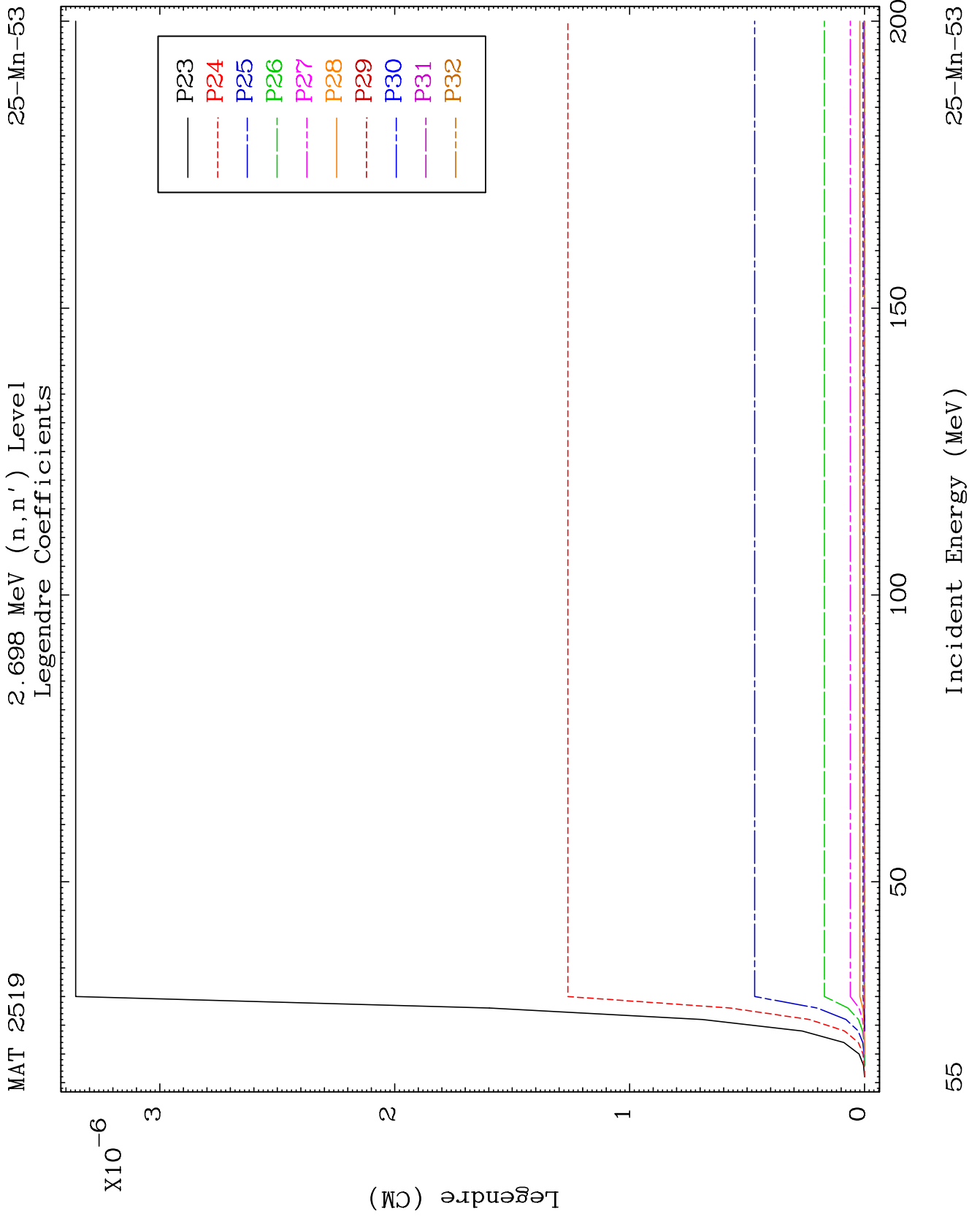




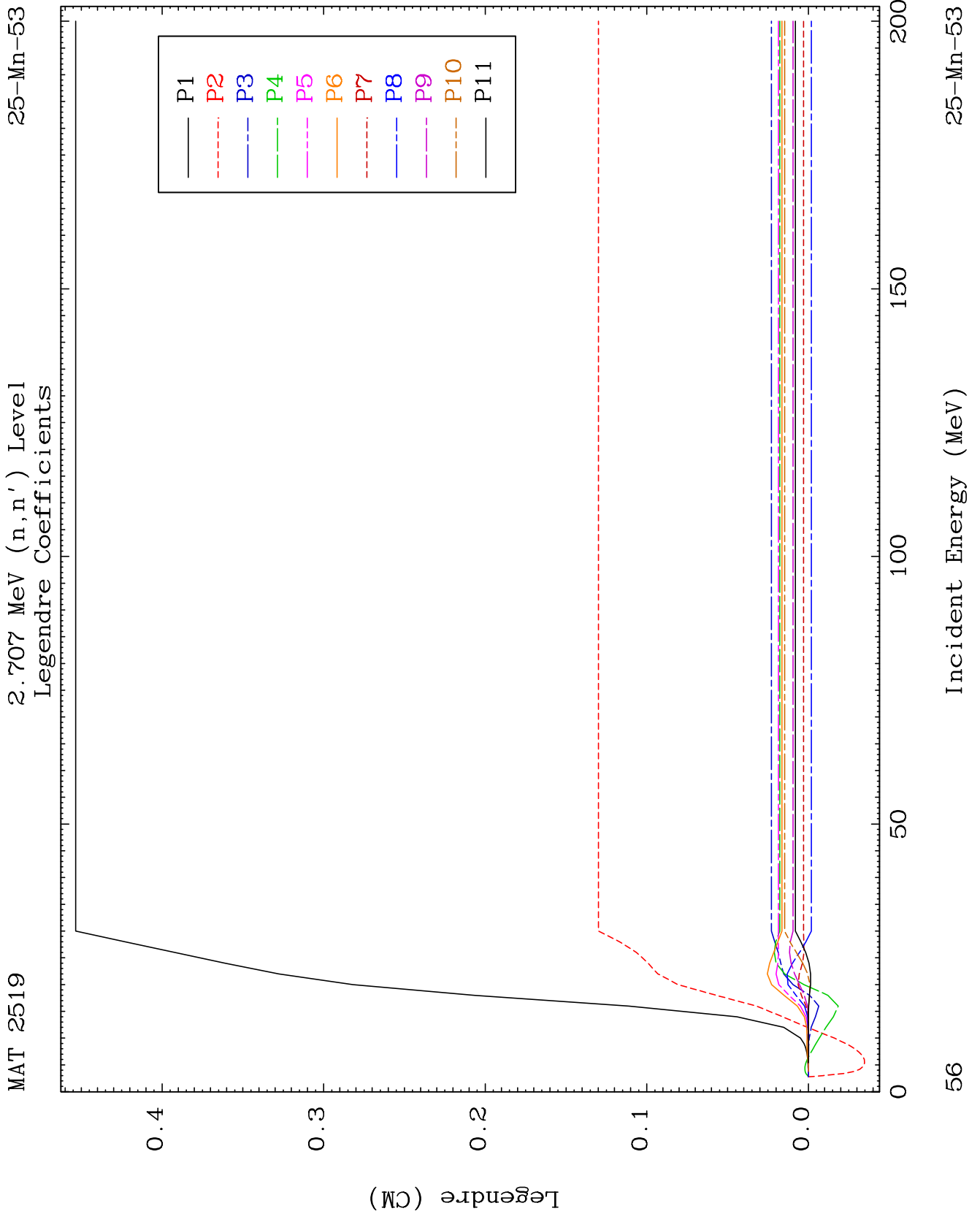


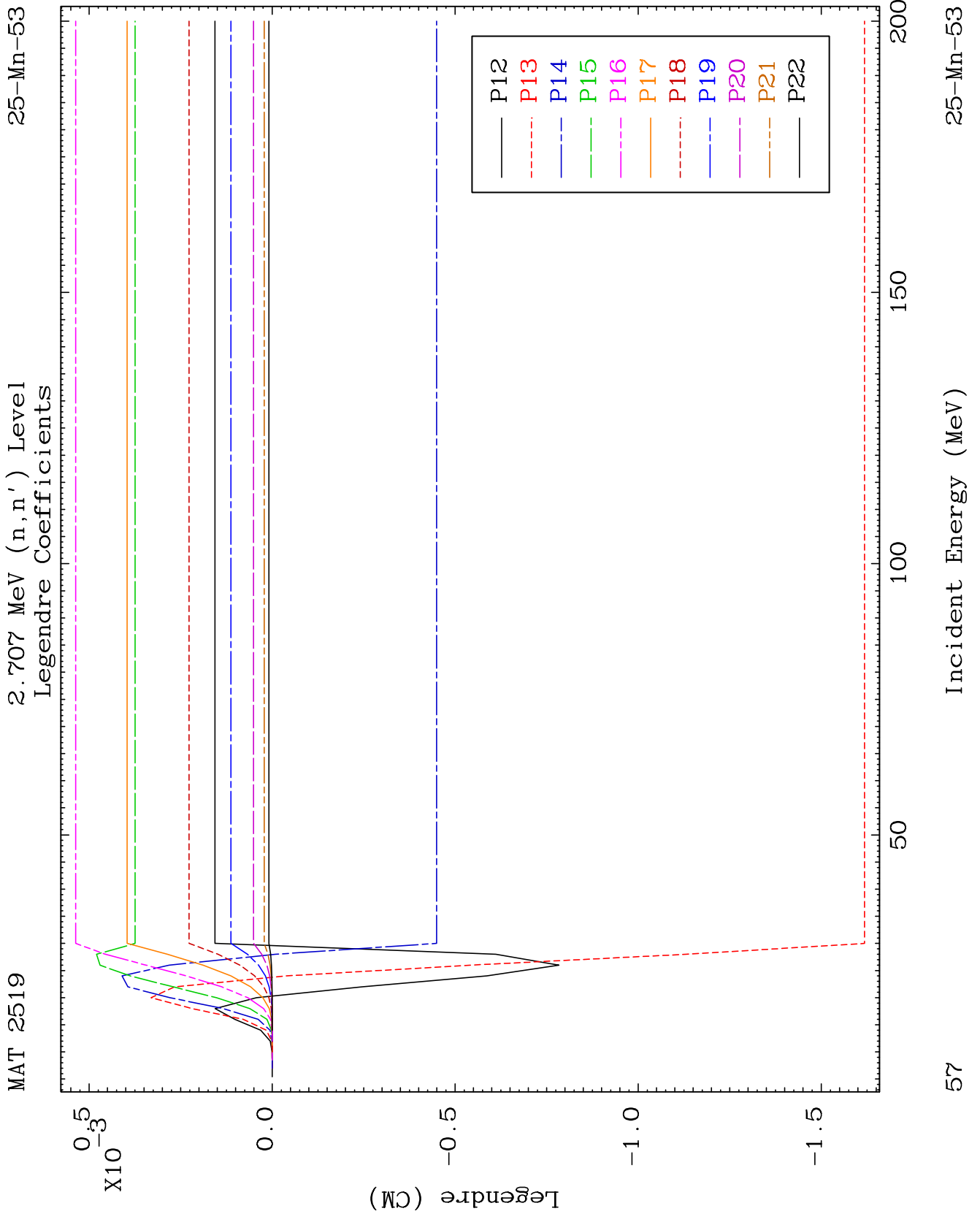


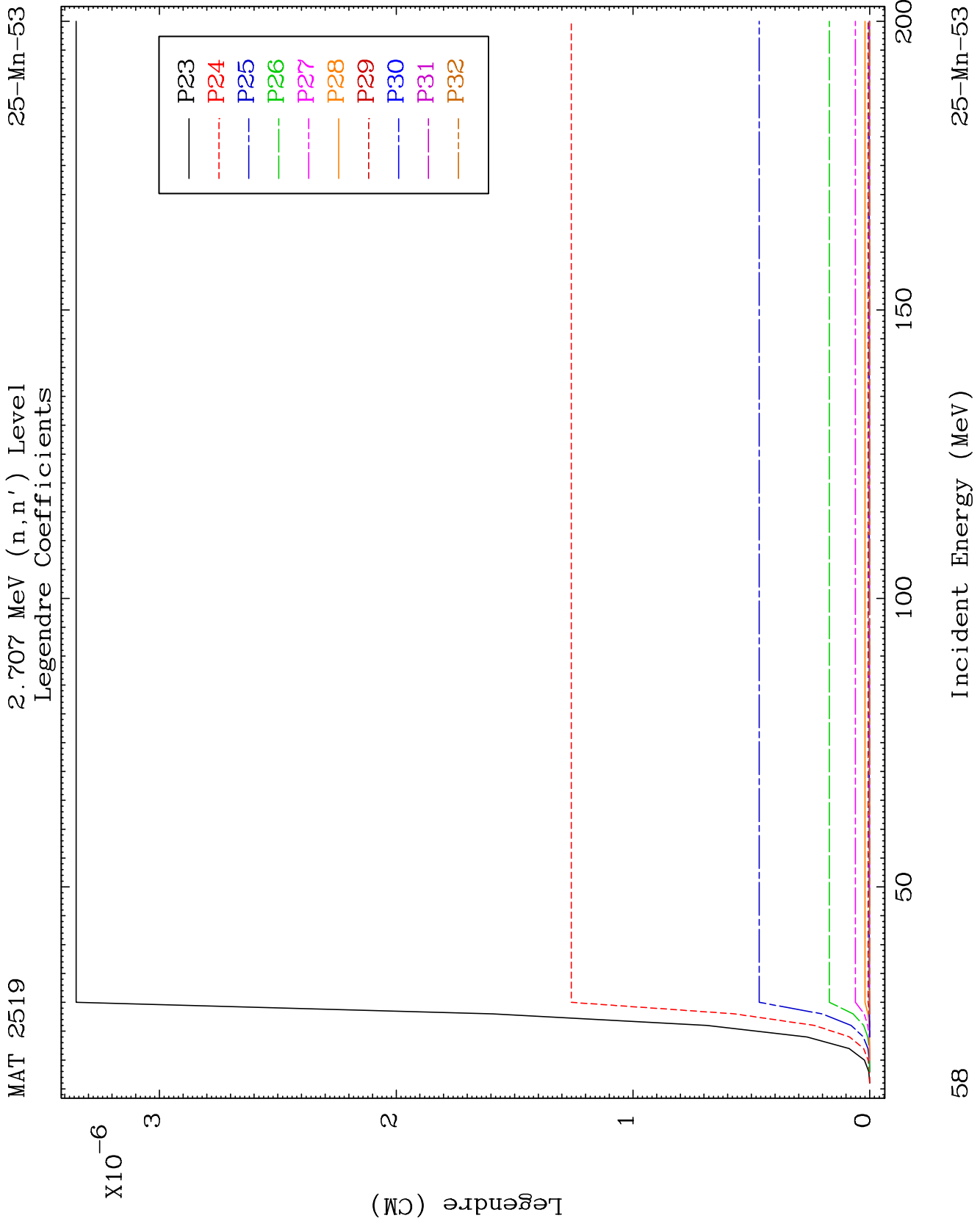








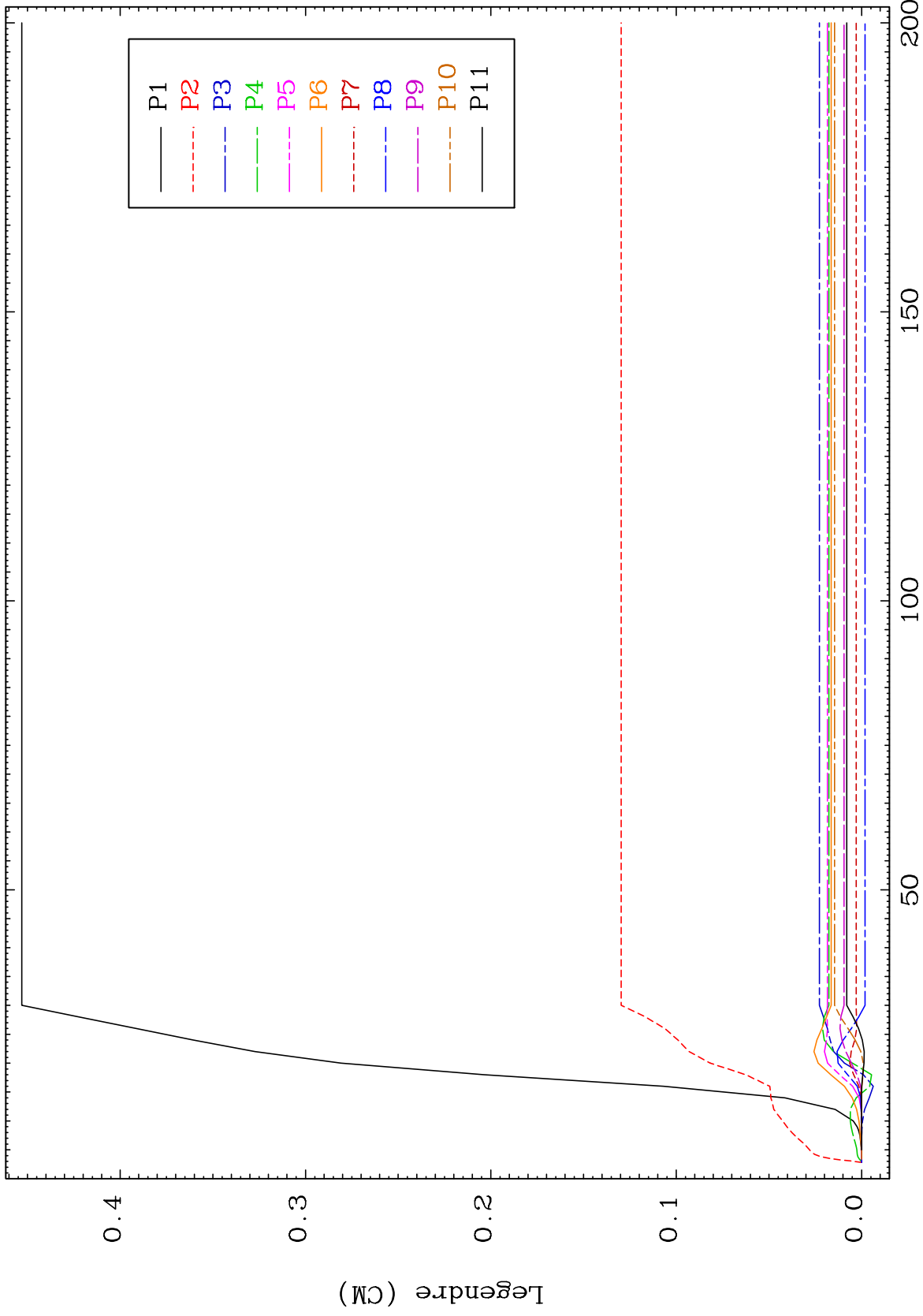




MAT 2519

2.761 MeV (n,n') Level  
Legendre Coefficients

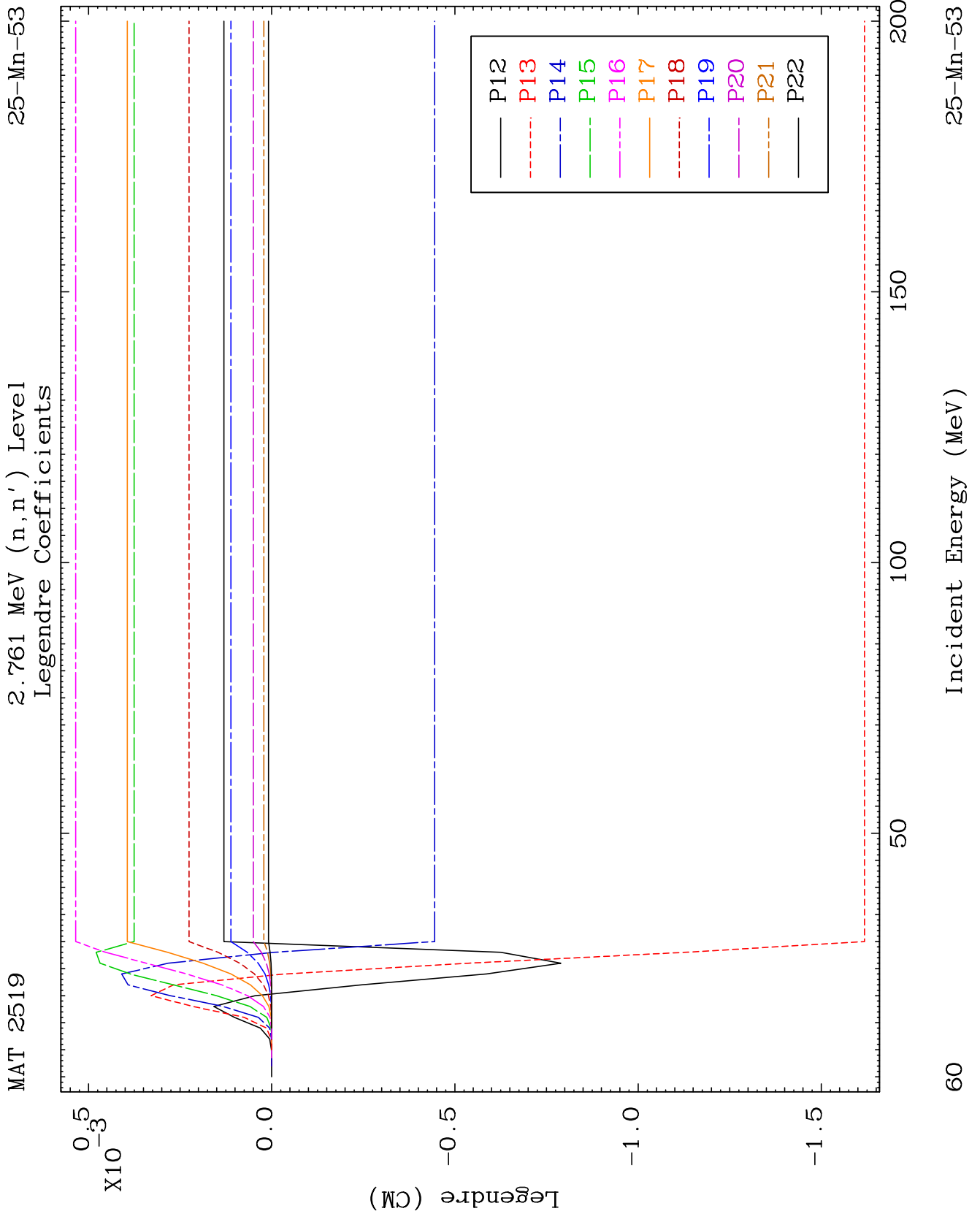
25-Mn-53

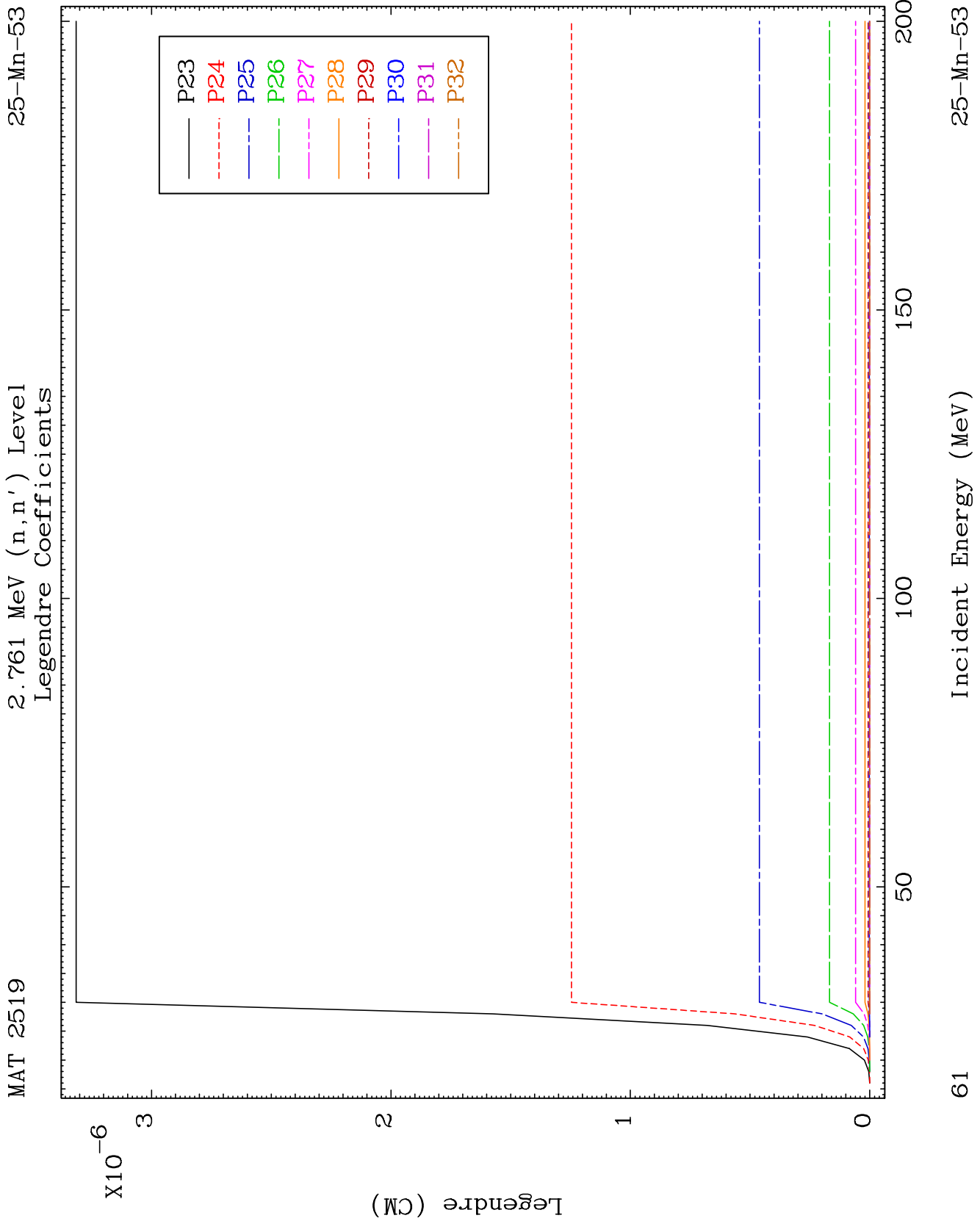


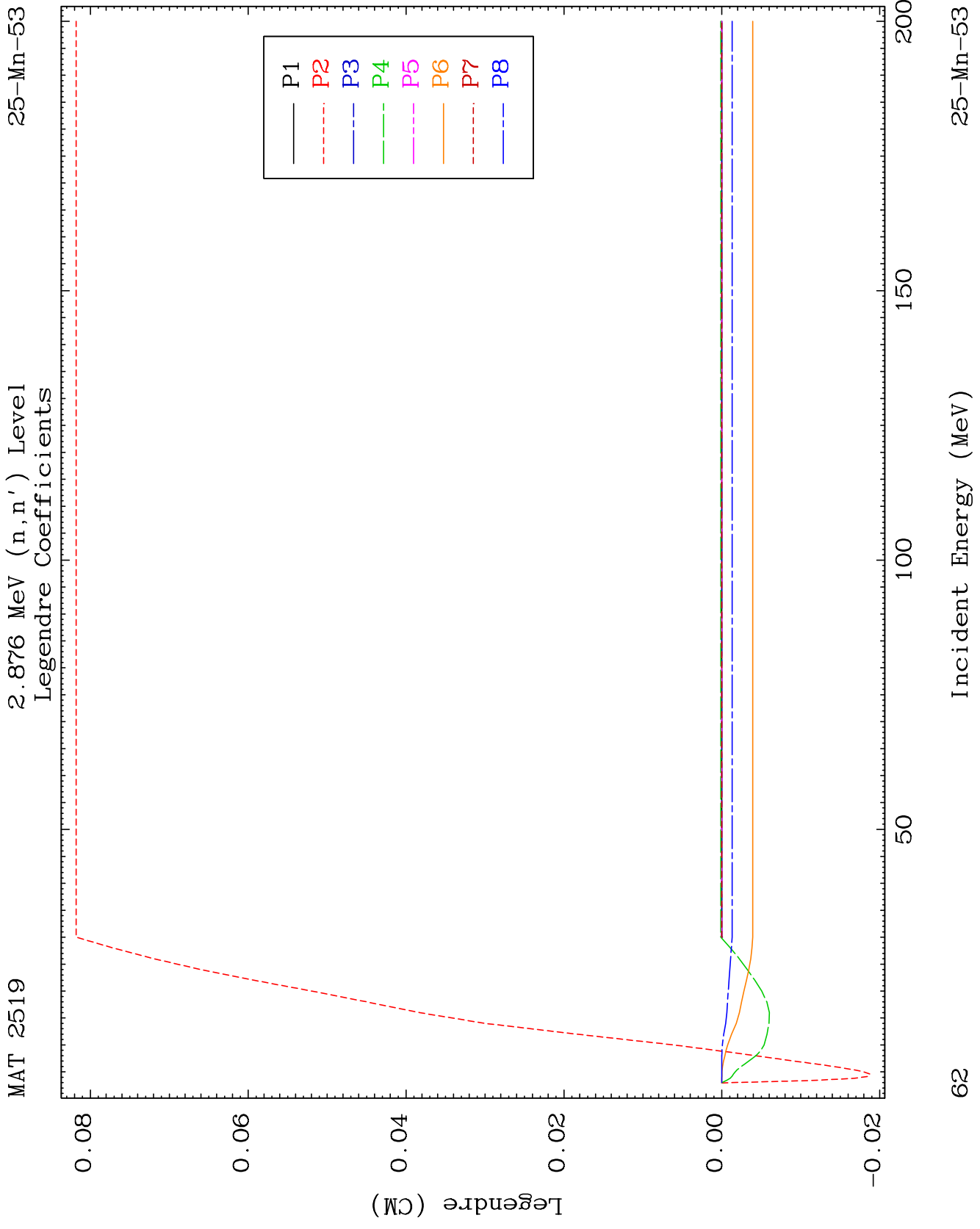
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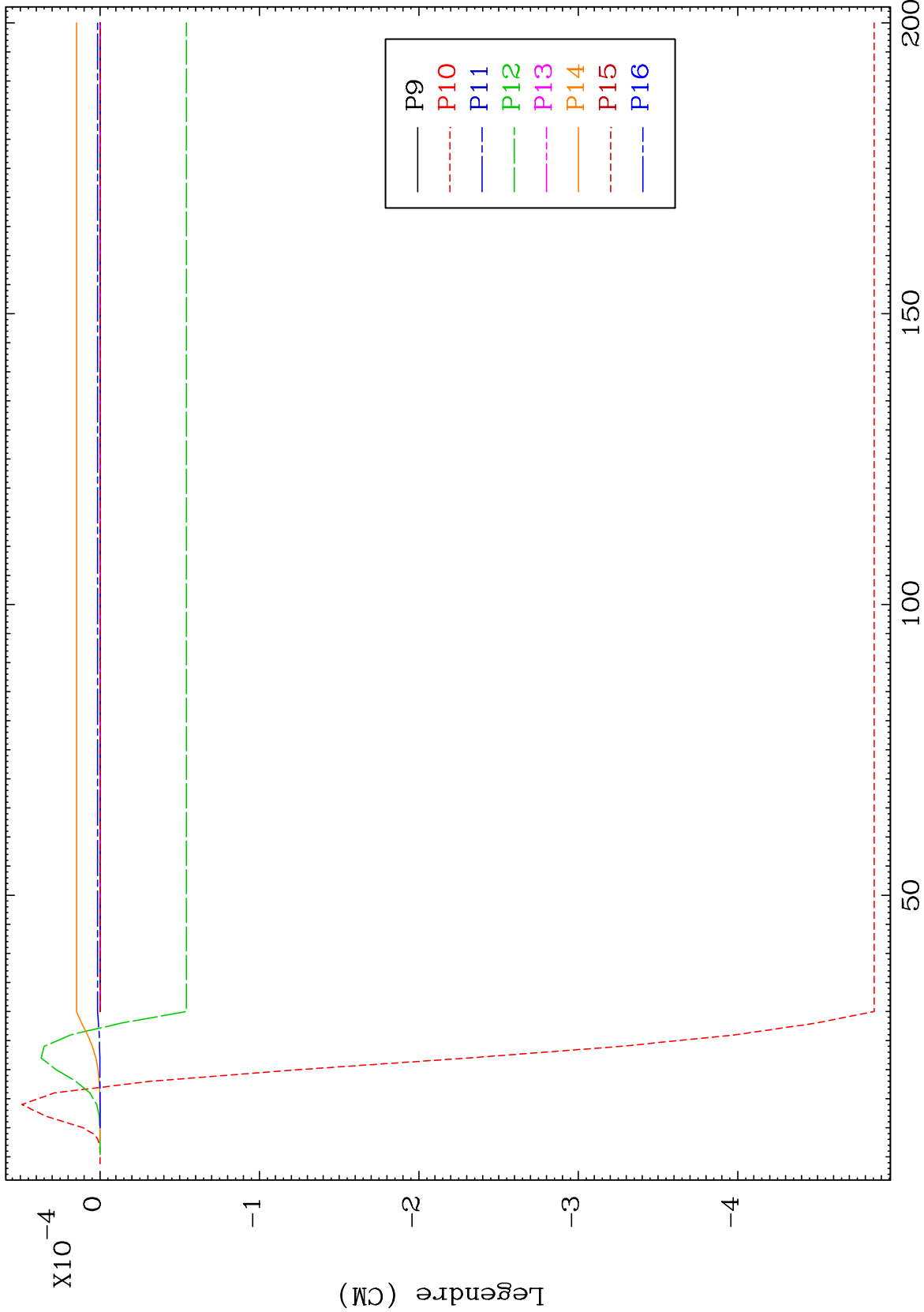
Incident Energy (MeV)

25-Mn-53



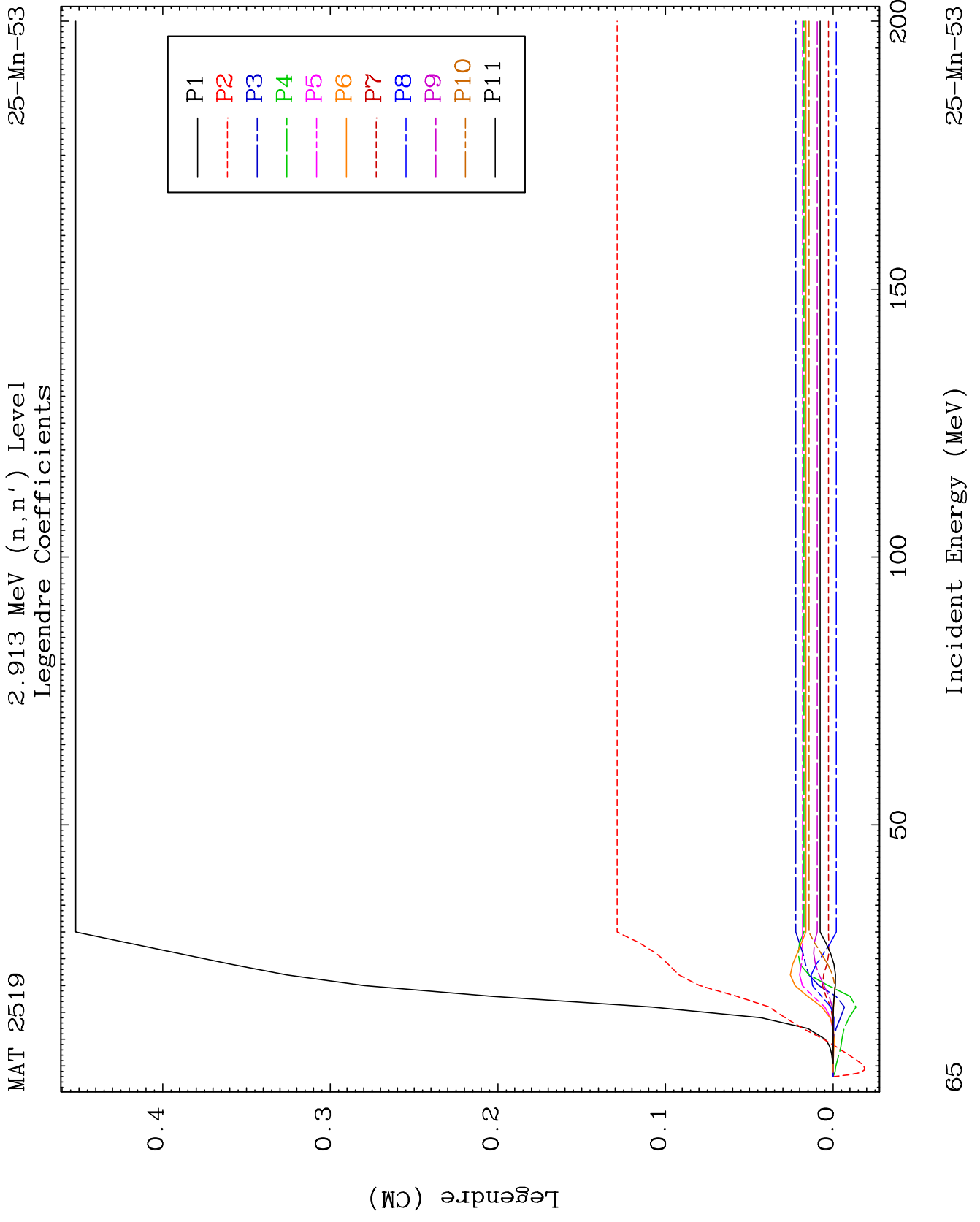


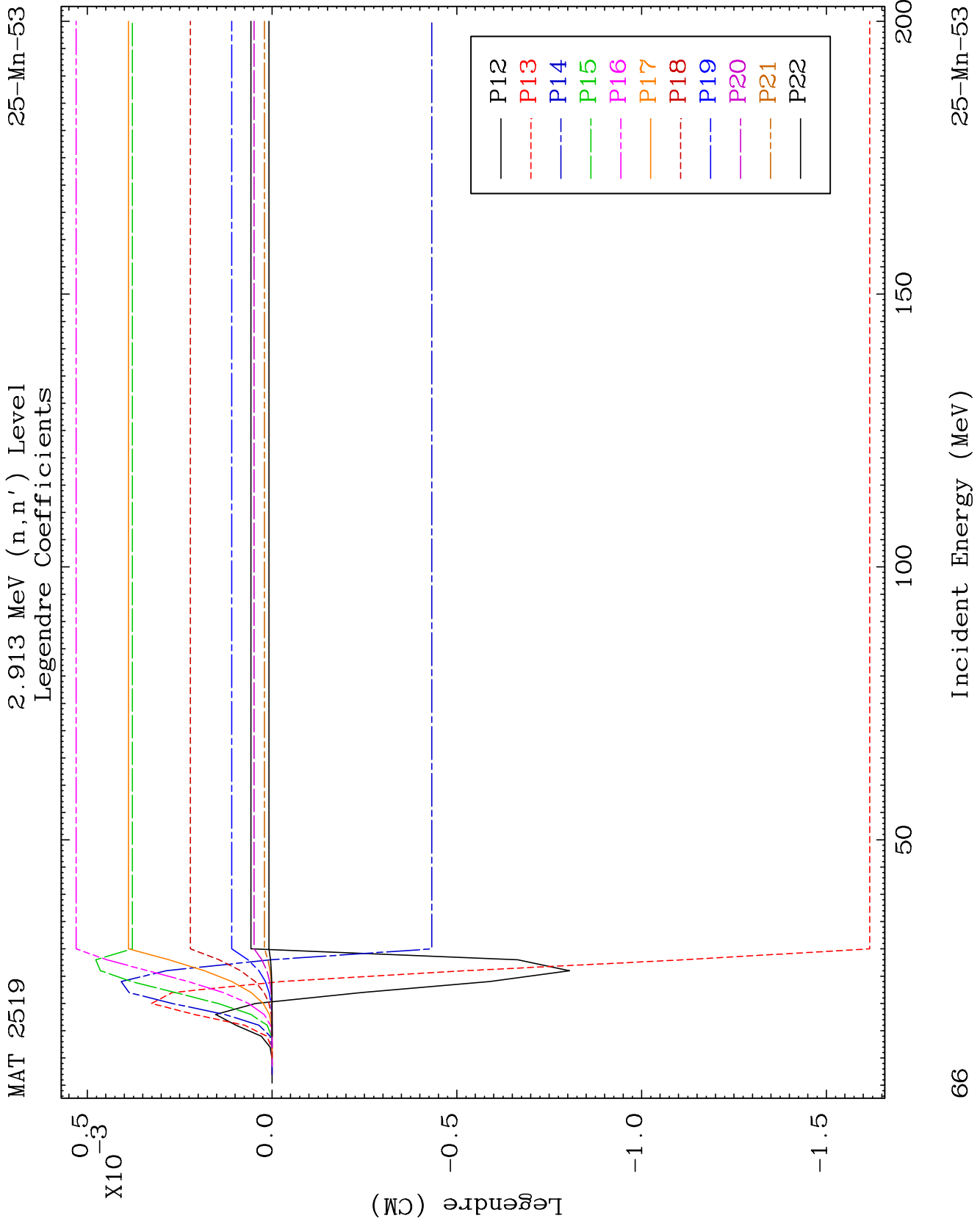










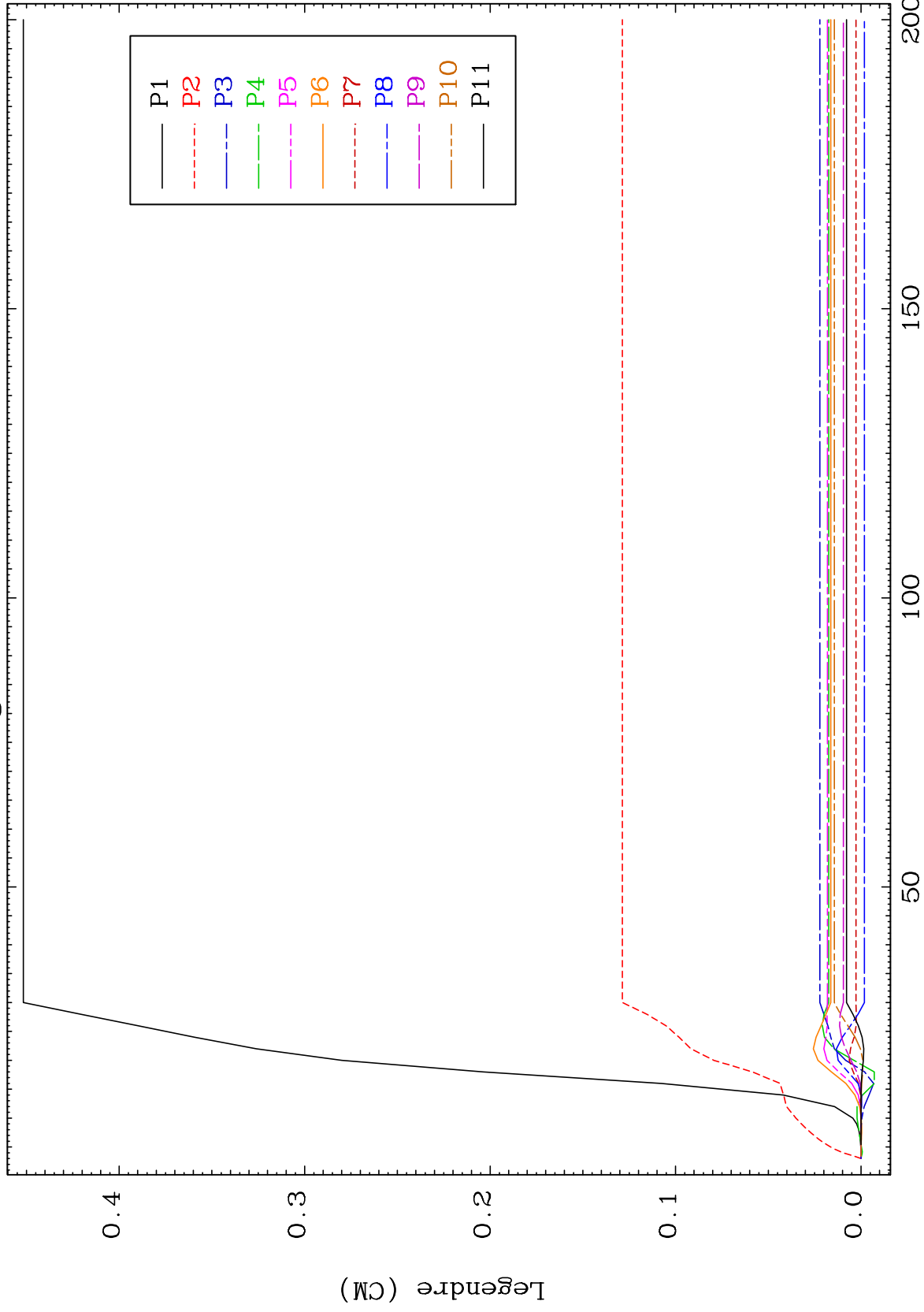




MAT 2519

2.947 MeV (n,n') Level  
Legendre Coefficients

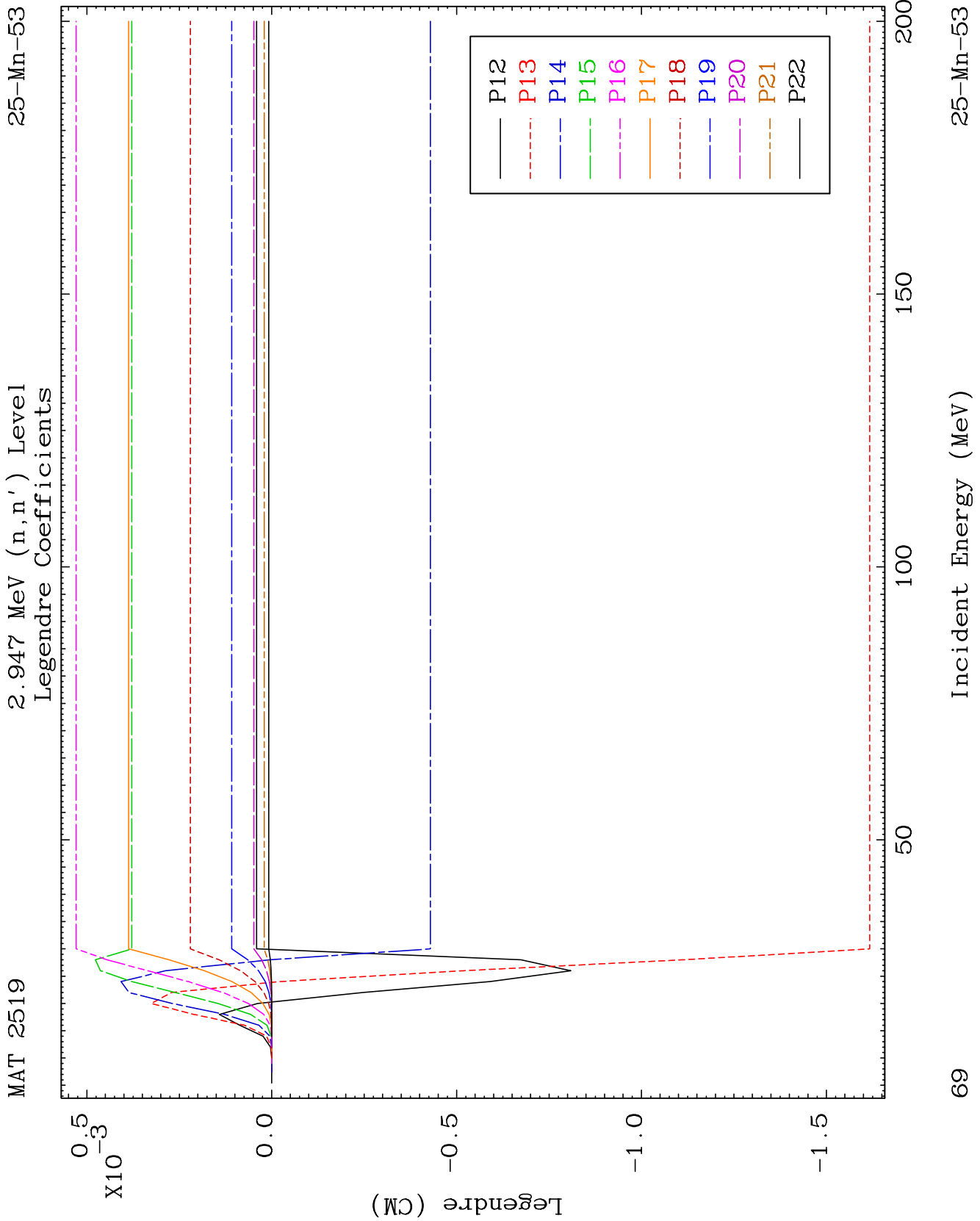
25-Mn-53

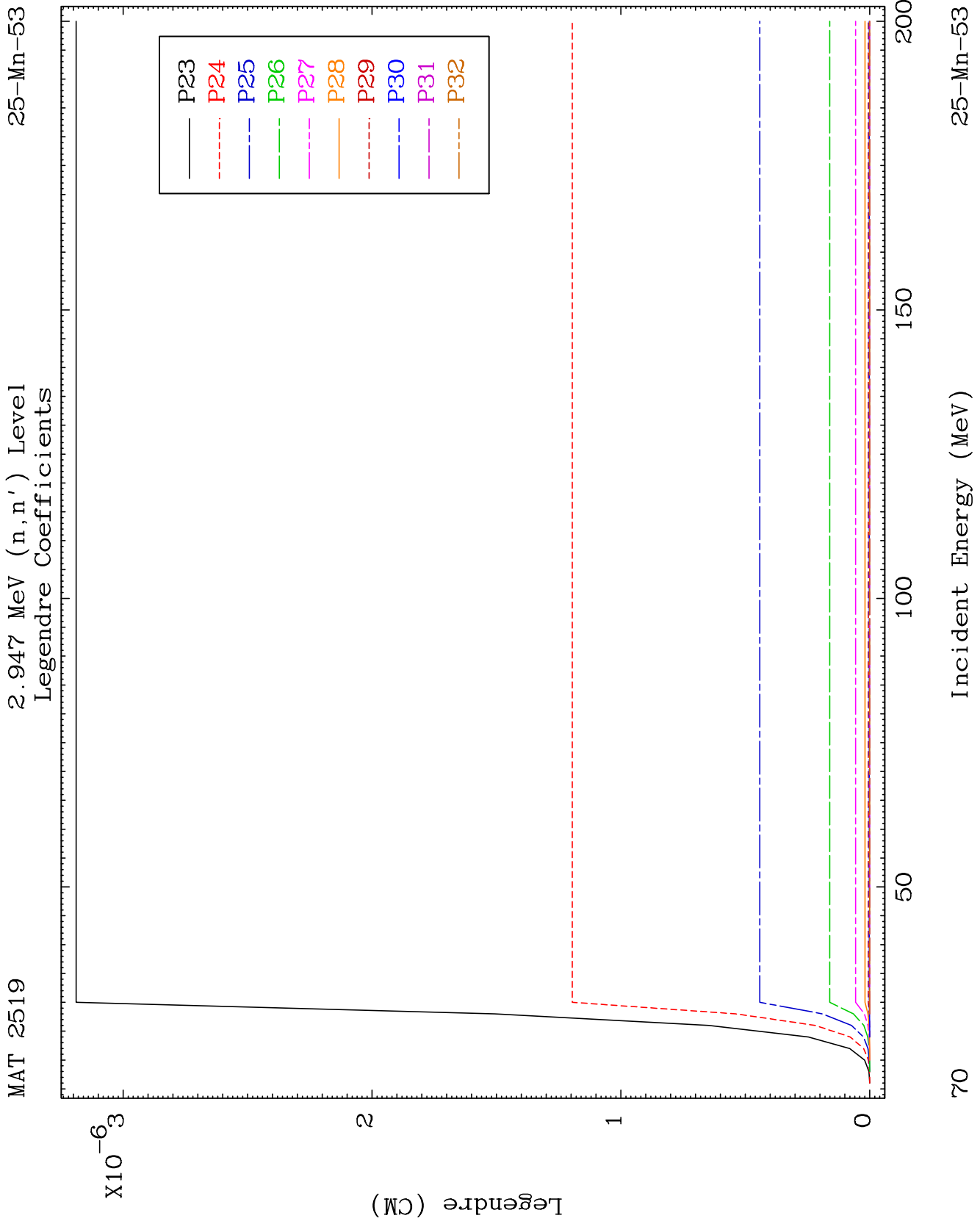


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Incident Energy (MeV)

25-Mn-53

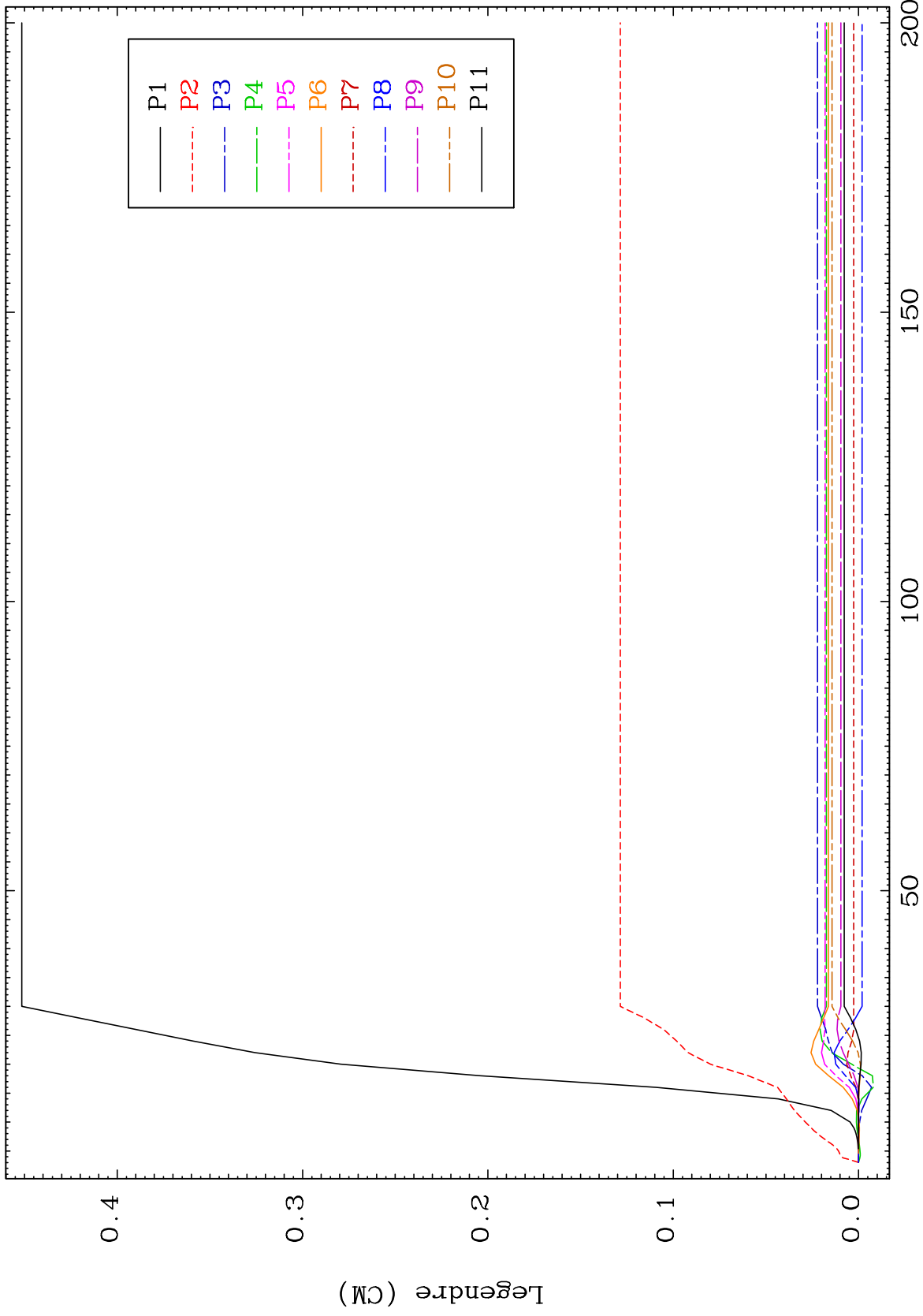




MAT 2519

2.967 MeV (n,n') Level  
Legendre Coefficients

25-Mn-53

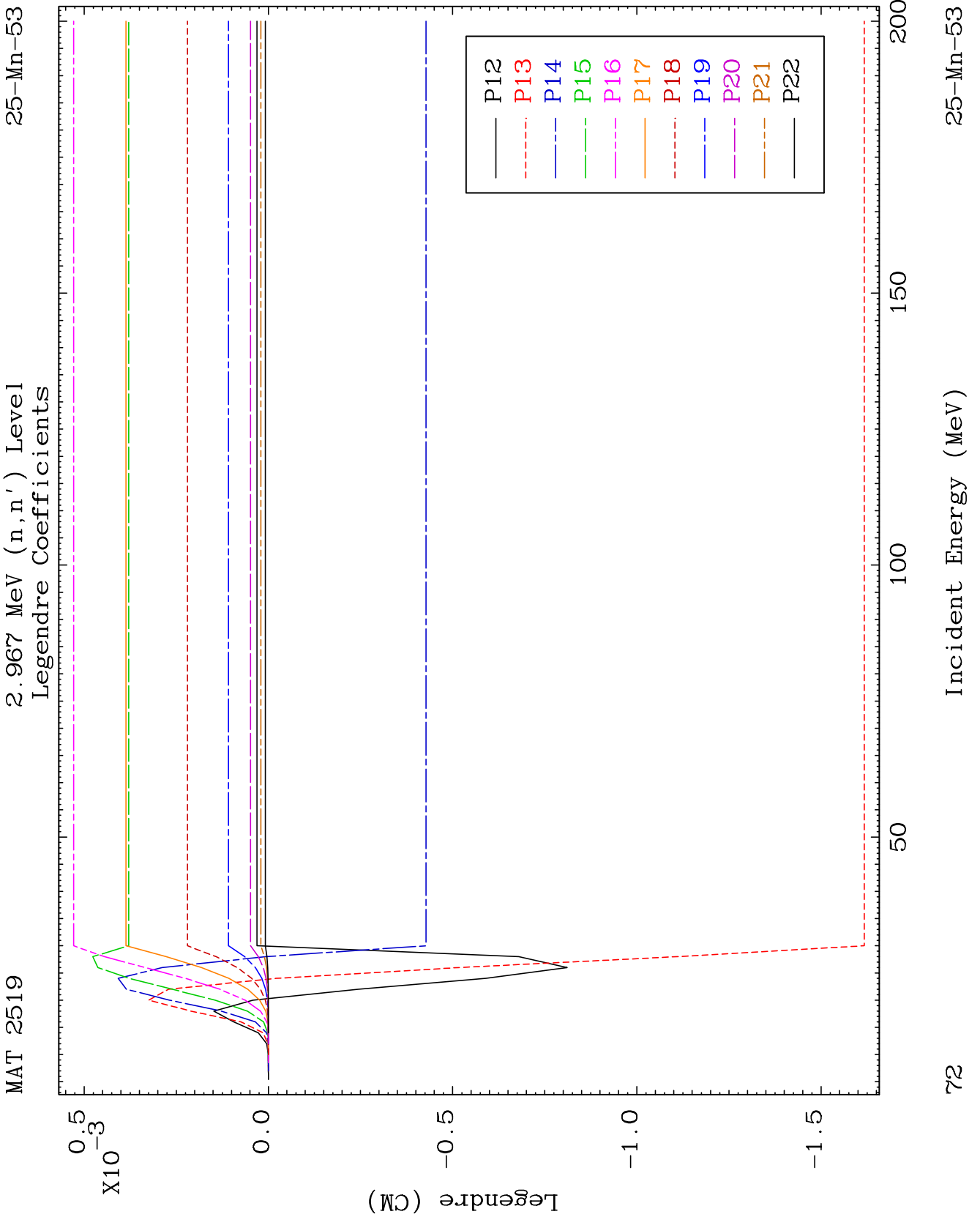


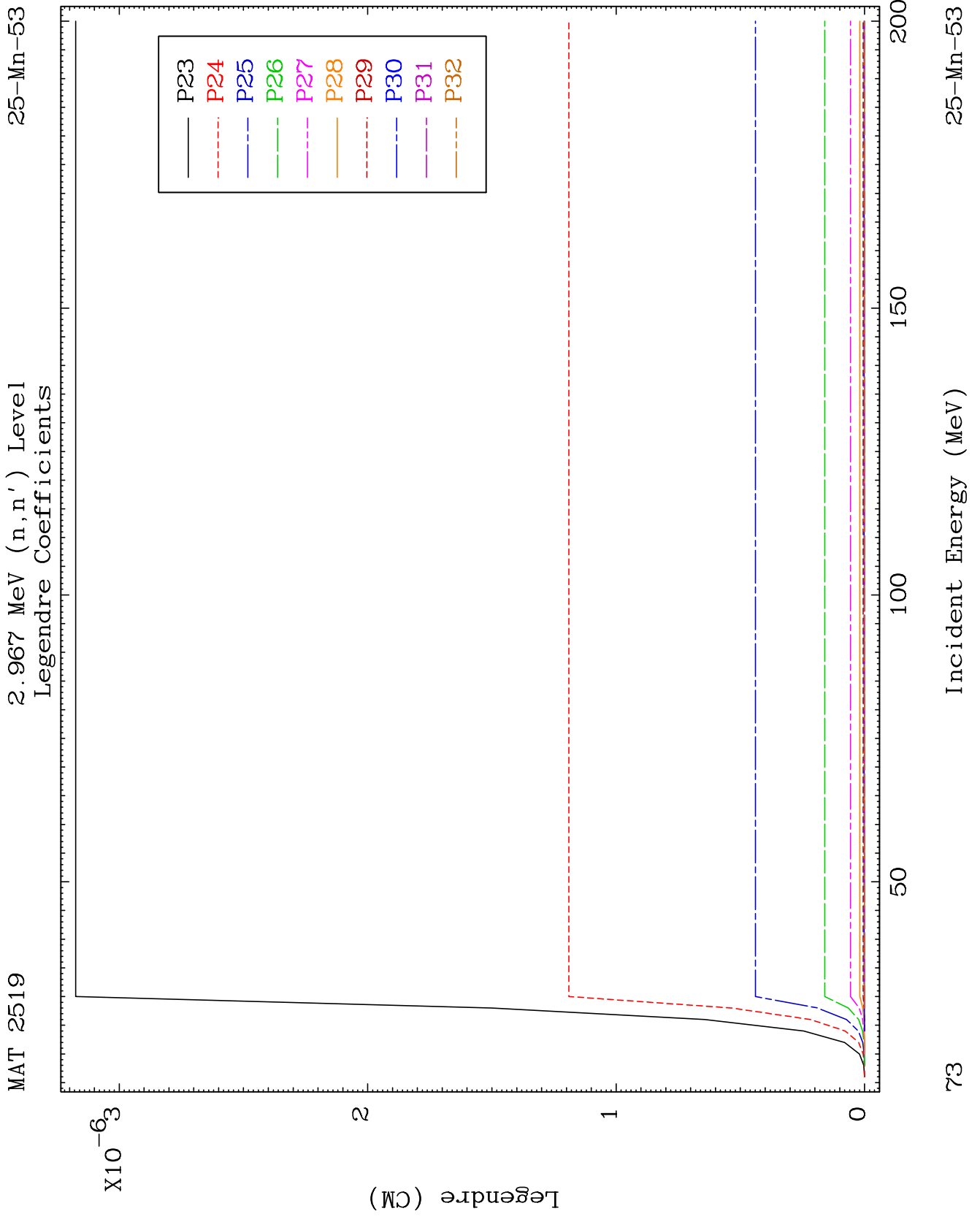
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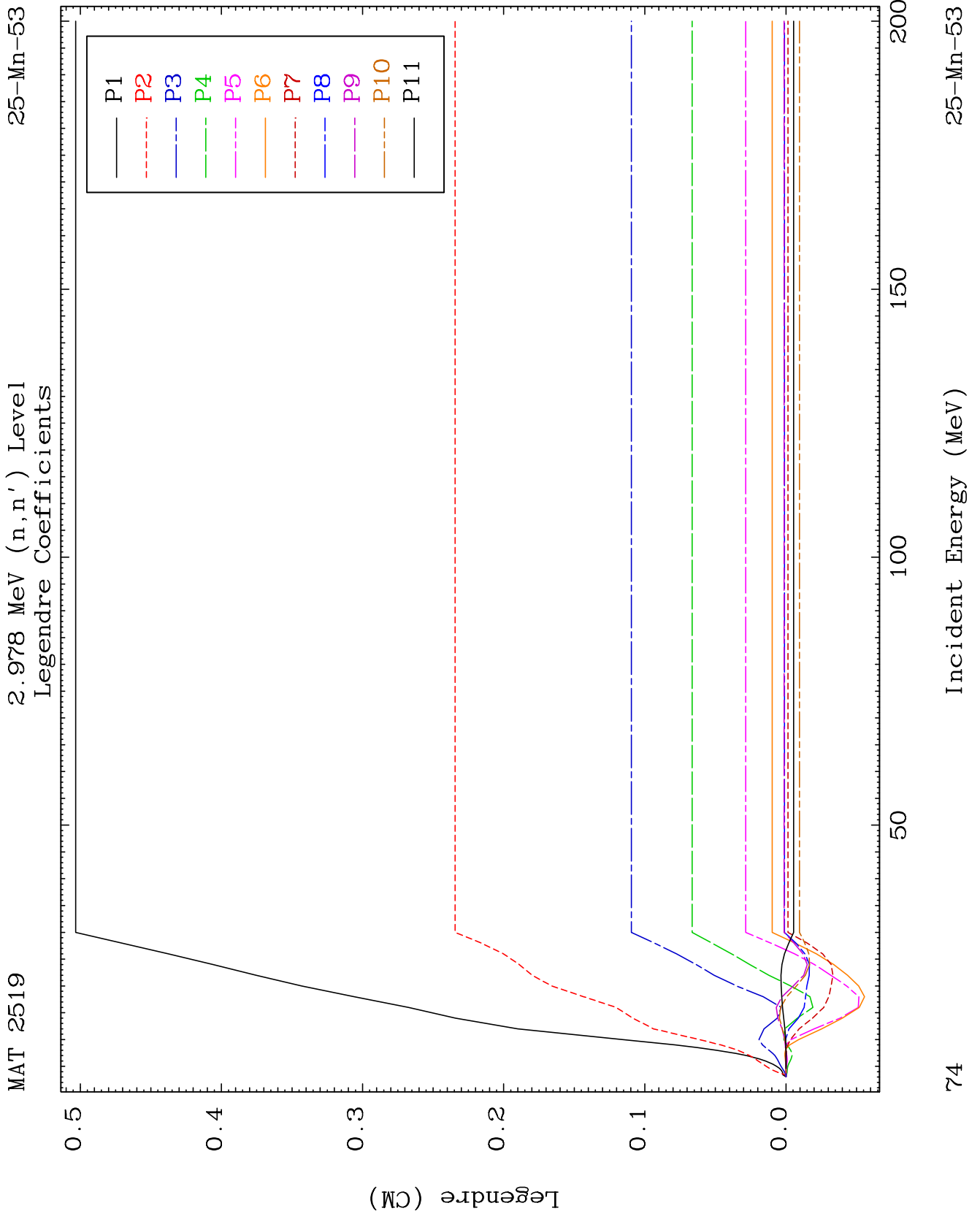
Incident Energy (MeV)

25-Mn-53





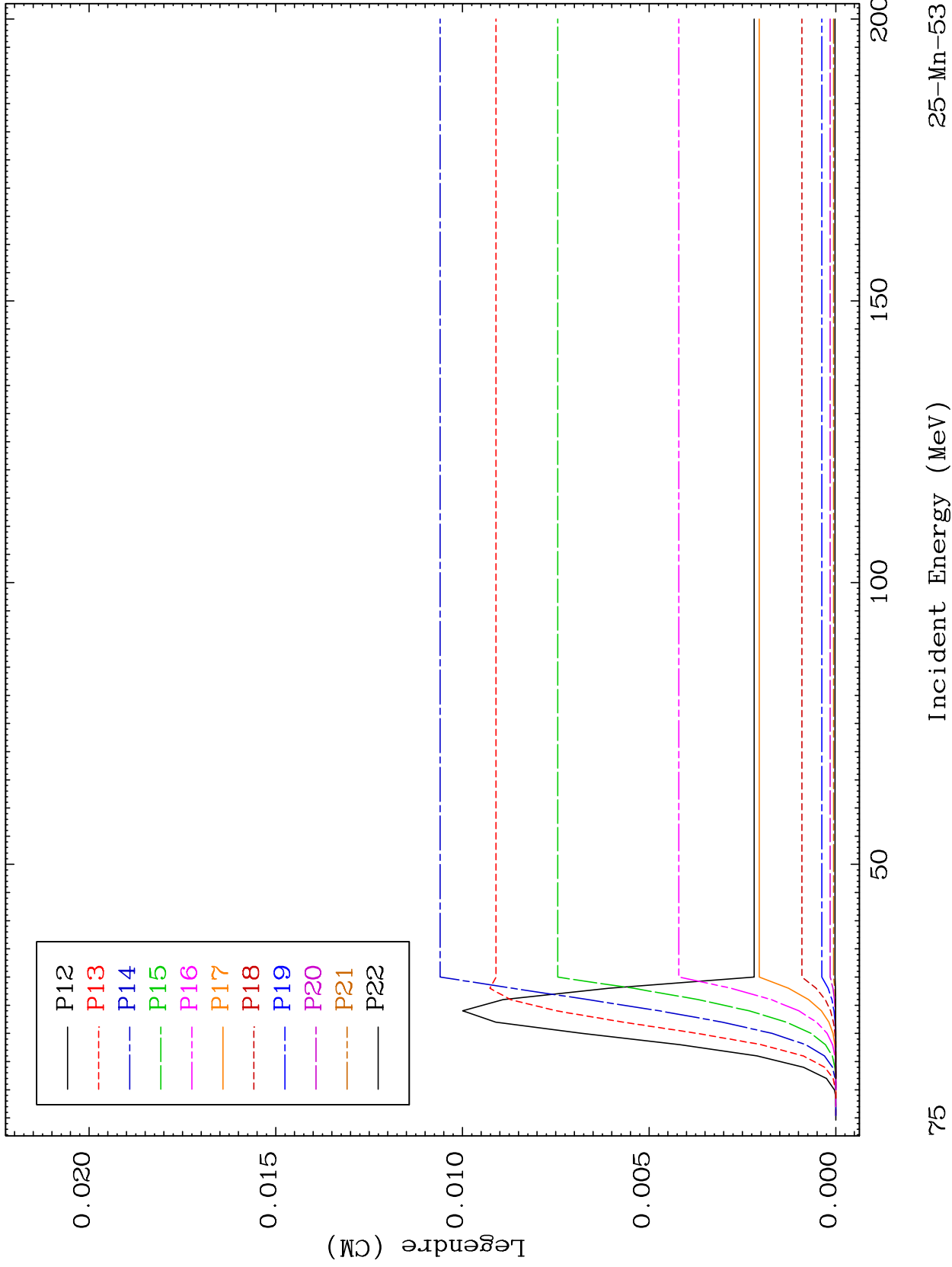




MAT 2519

2.978 MeV (n,n') Level  
Legendre Coefficients

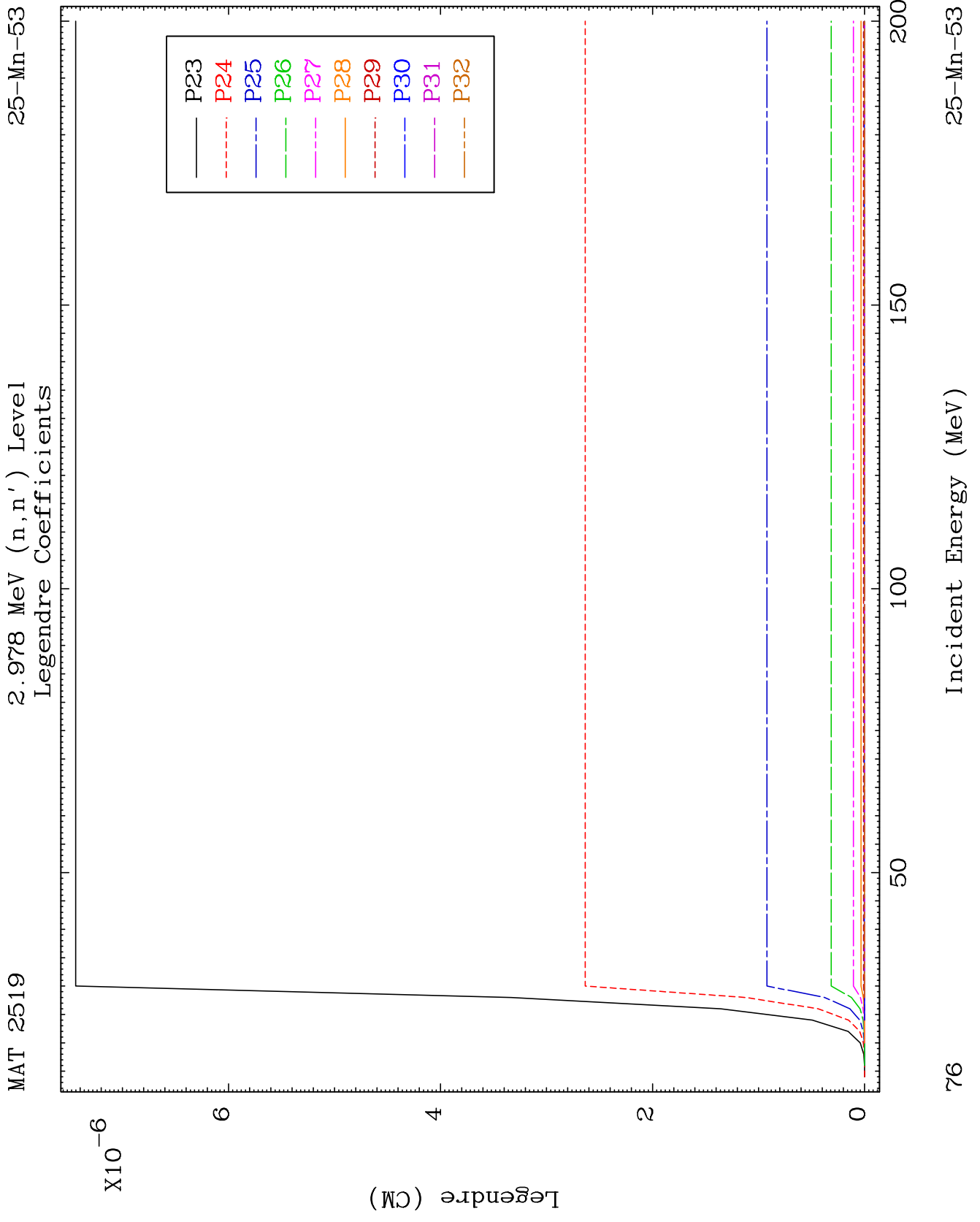
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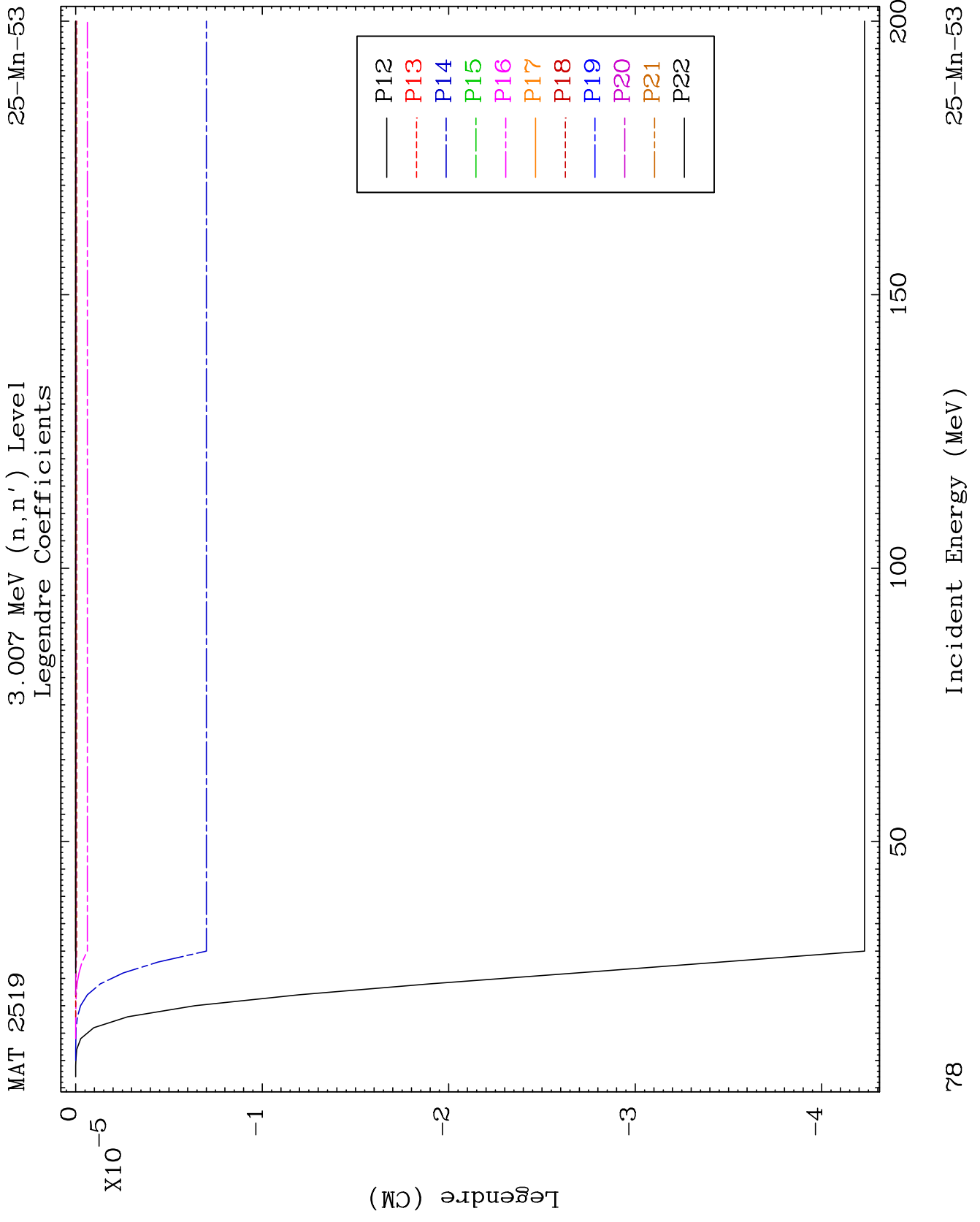
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Incident Energy (MeV)

25-Mn-53

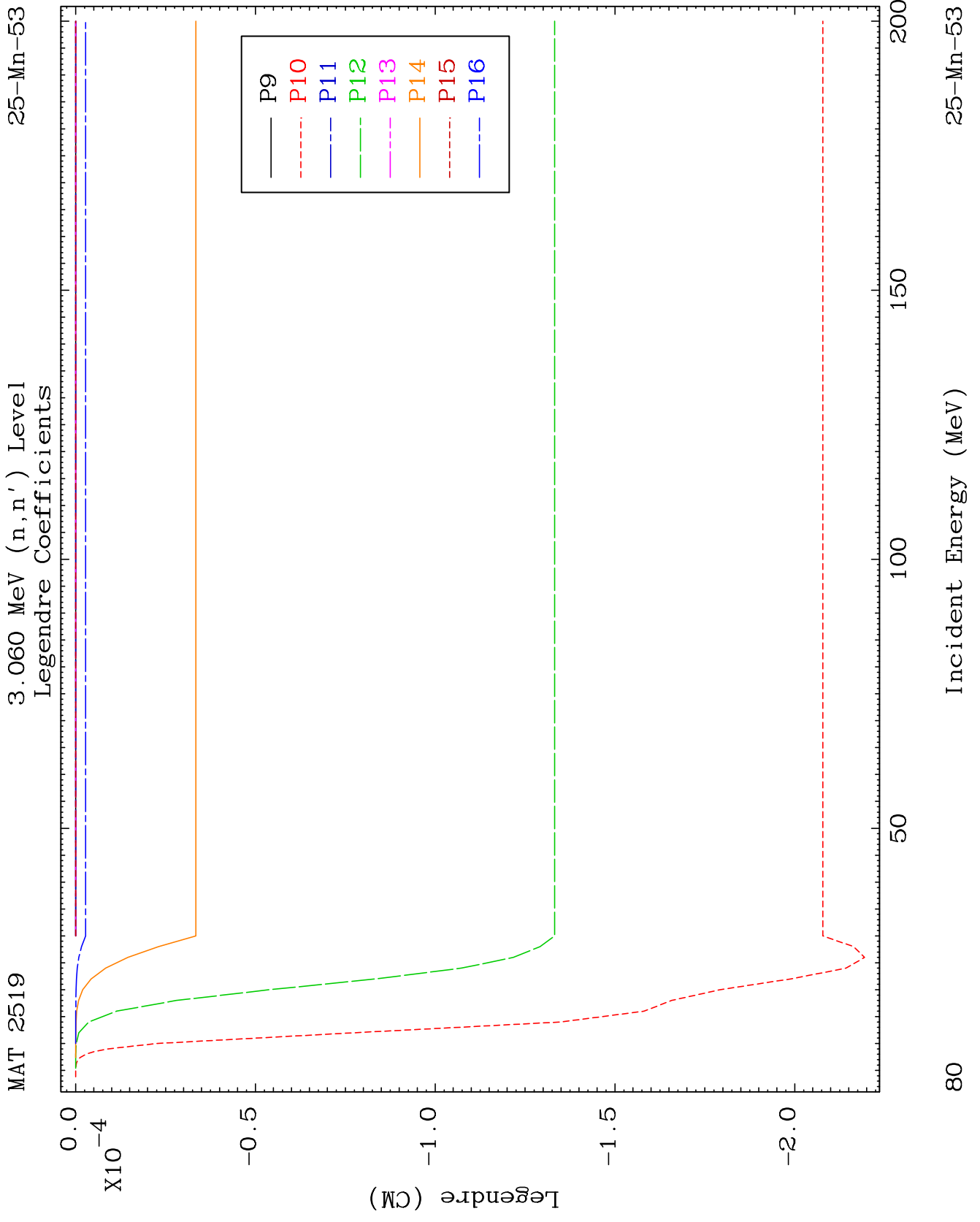




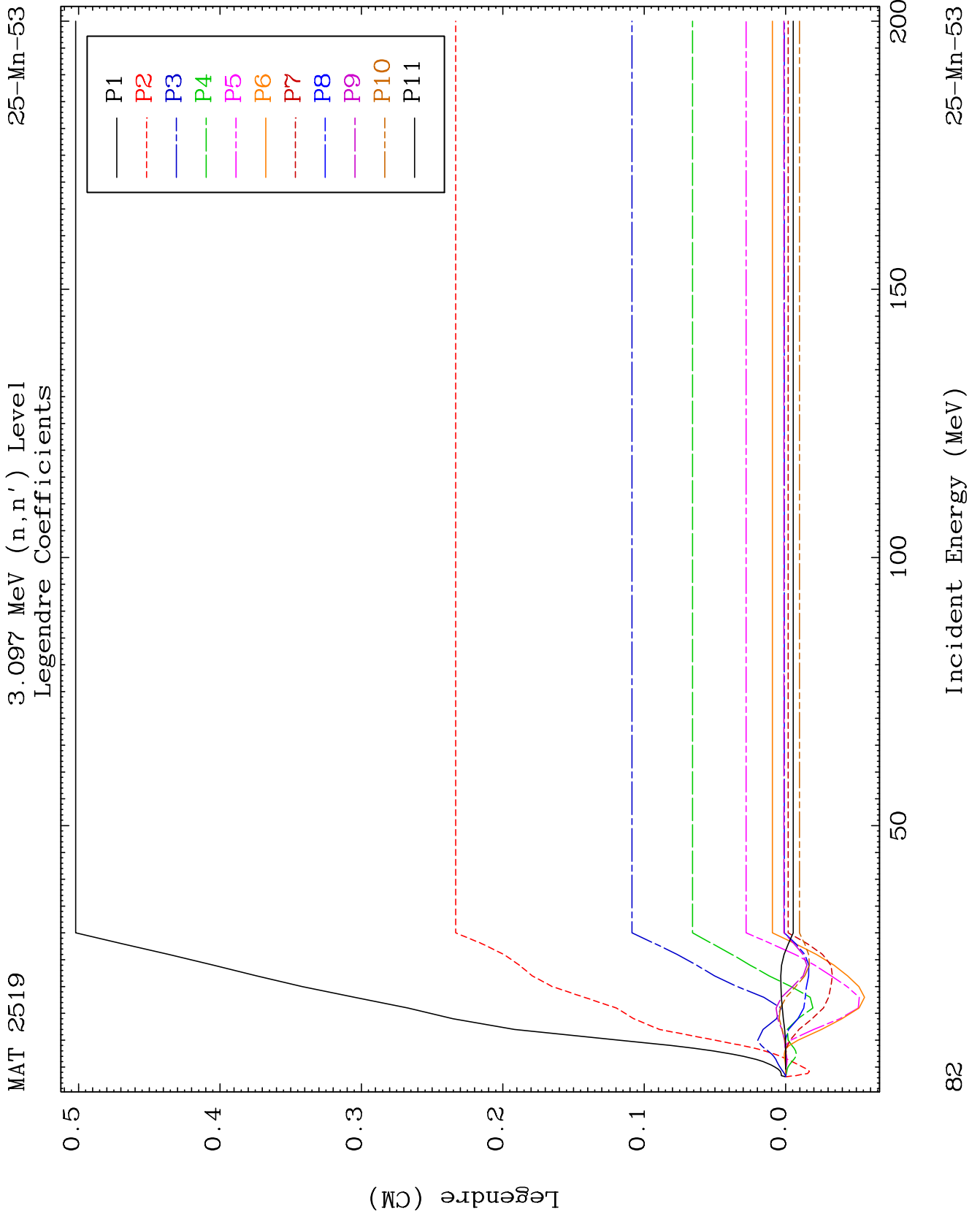


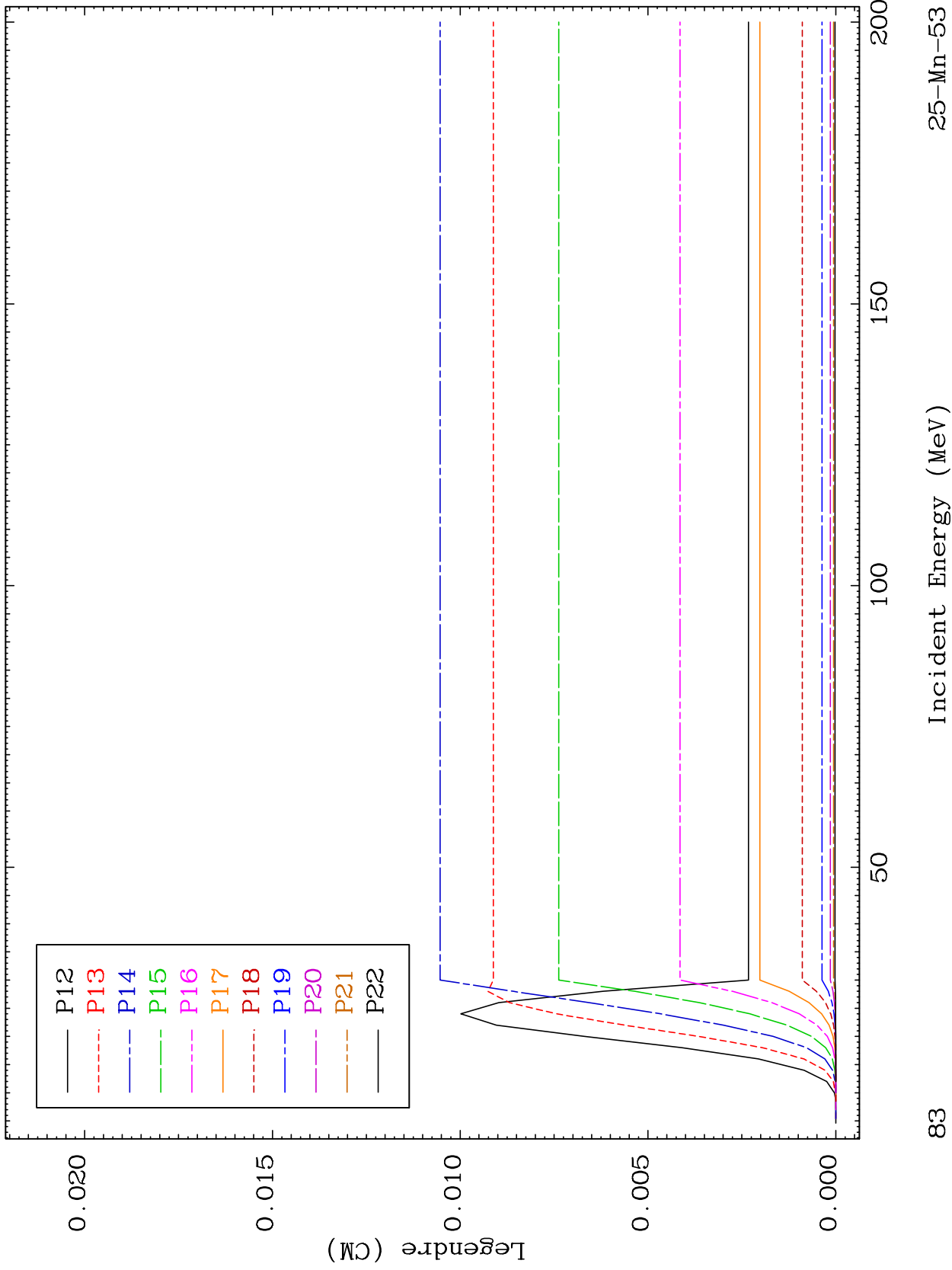


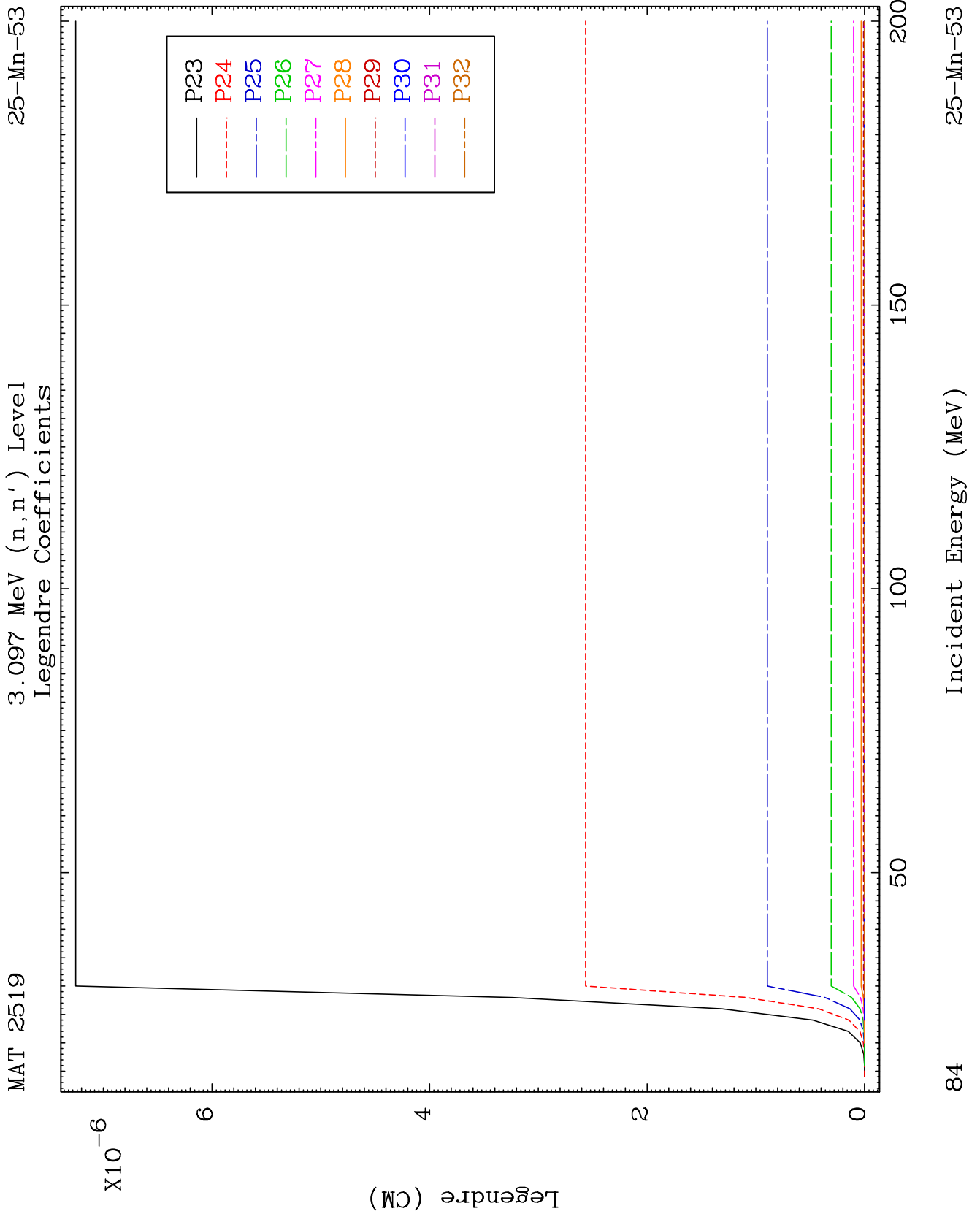








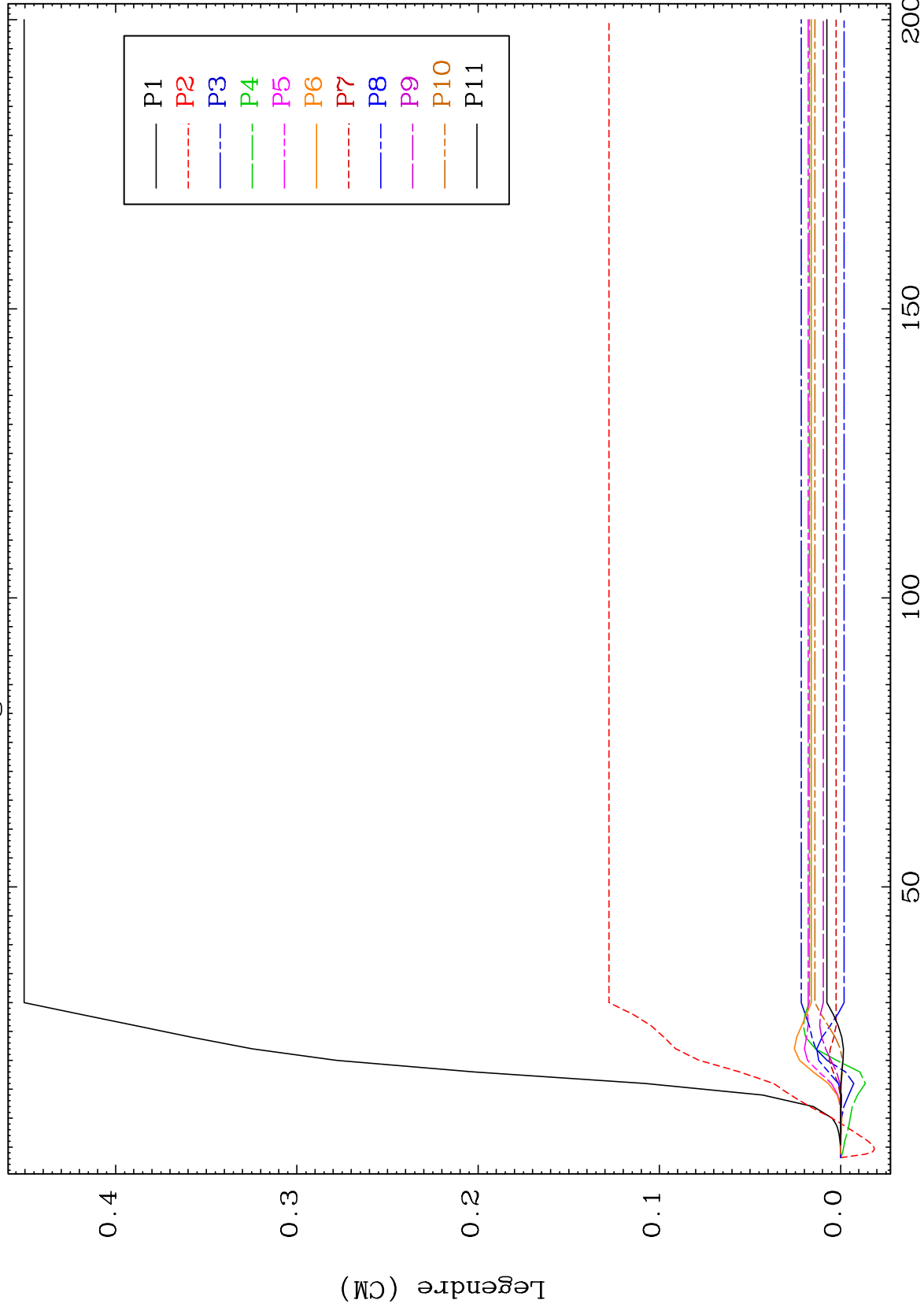




MAT 2519

3.102 MeV (n,n') Level  
Legendre Coefficients

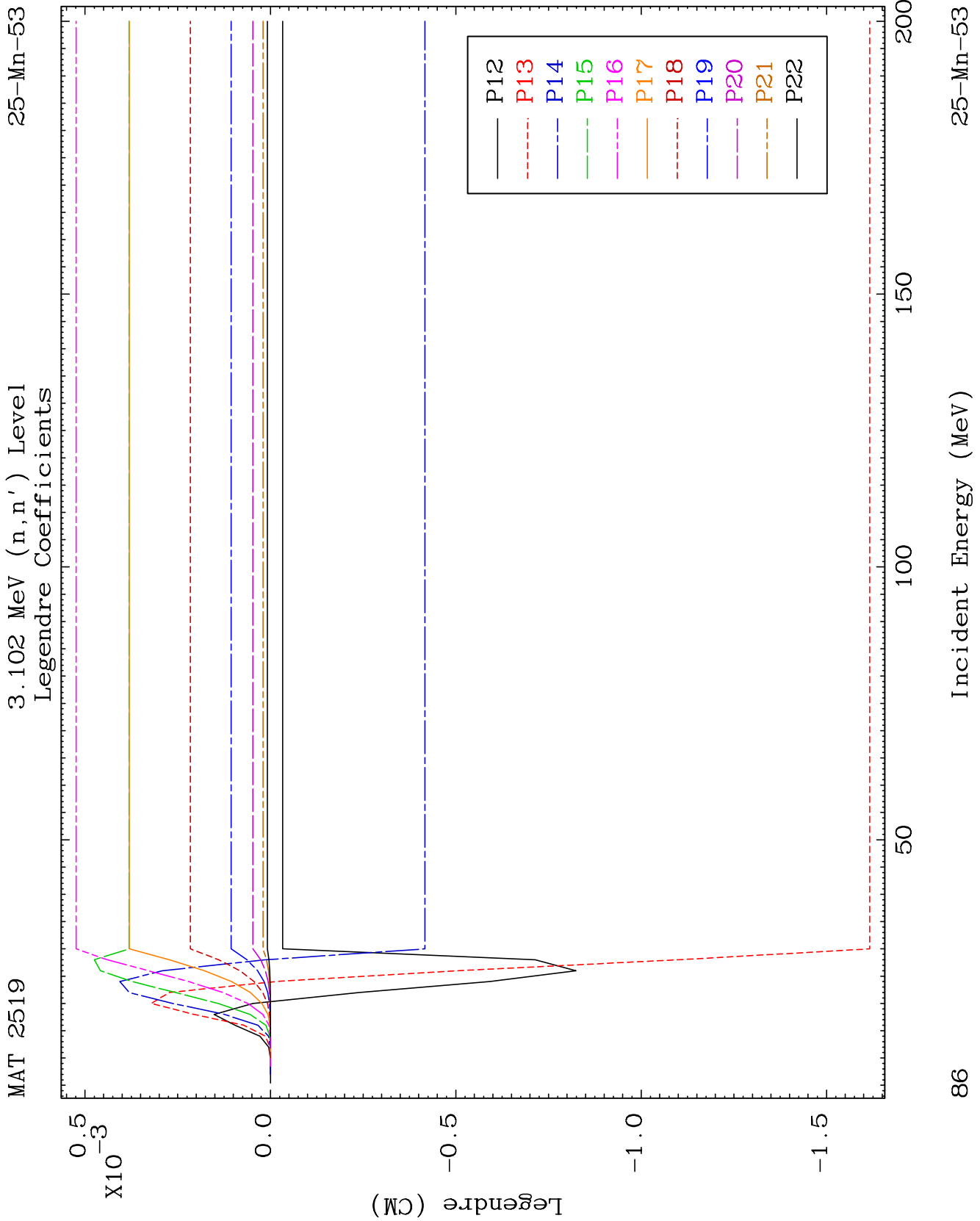
25-Mn-53

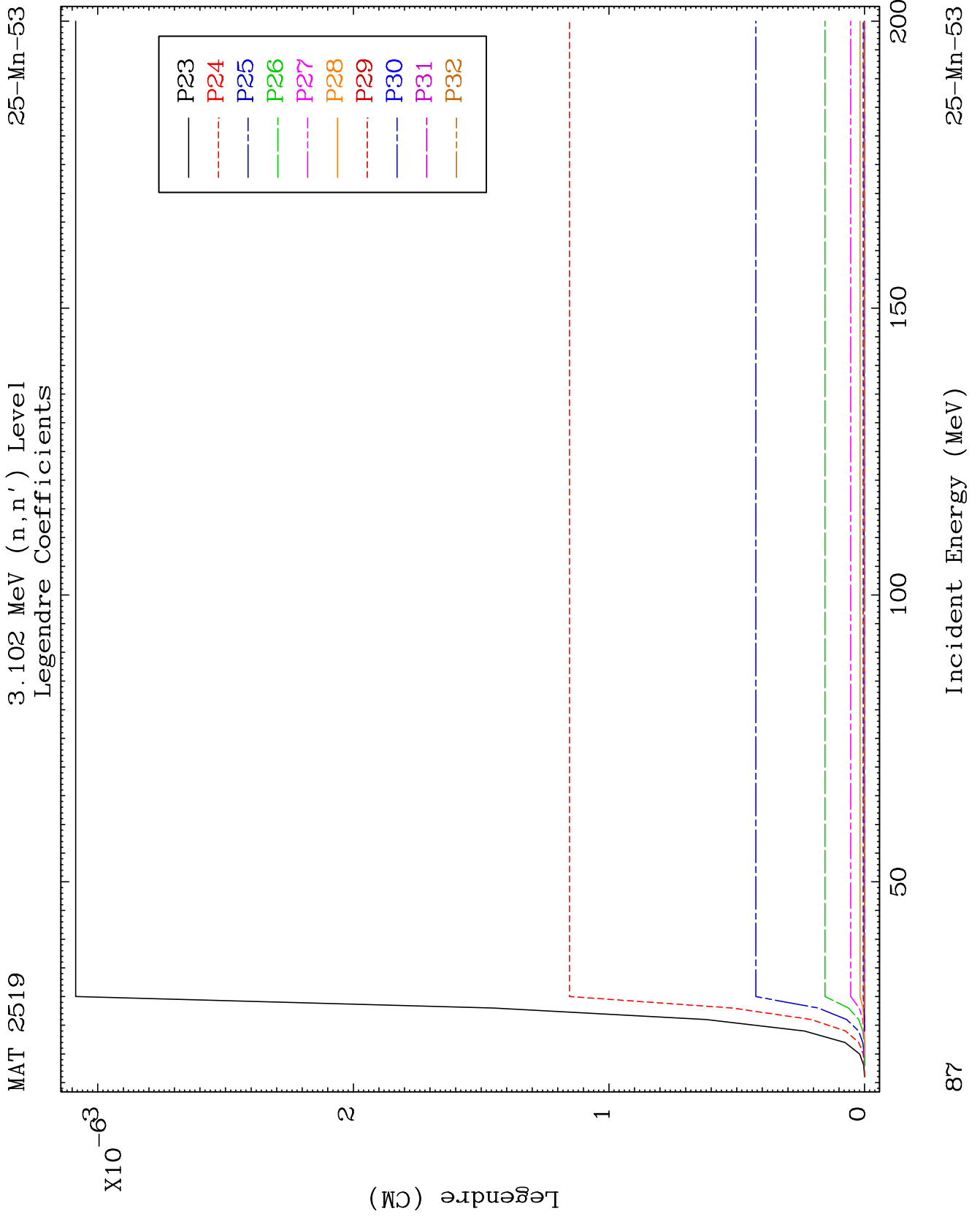


85

Incident Energy (MeV)

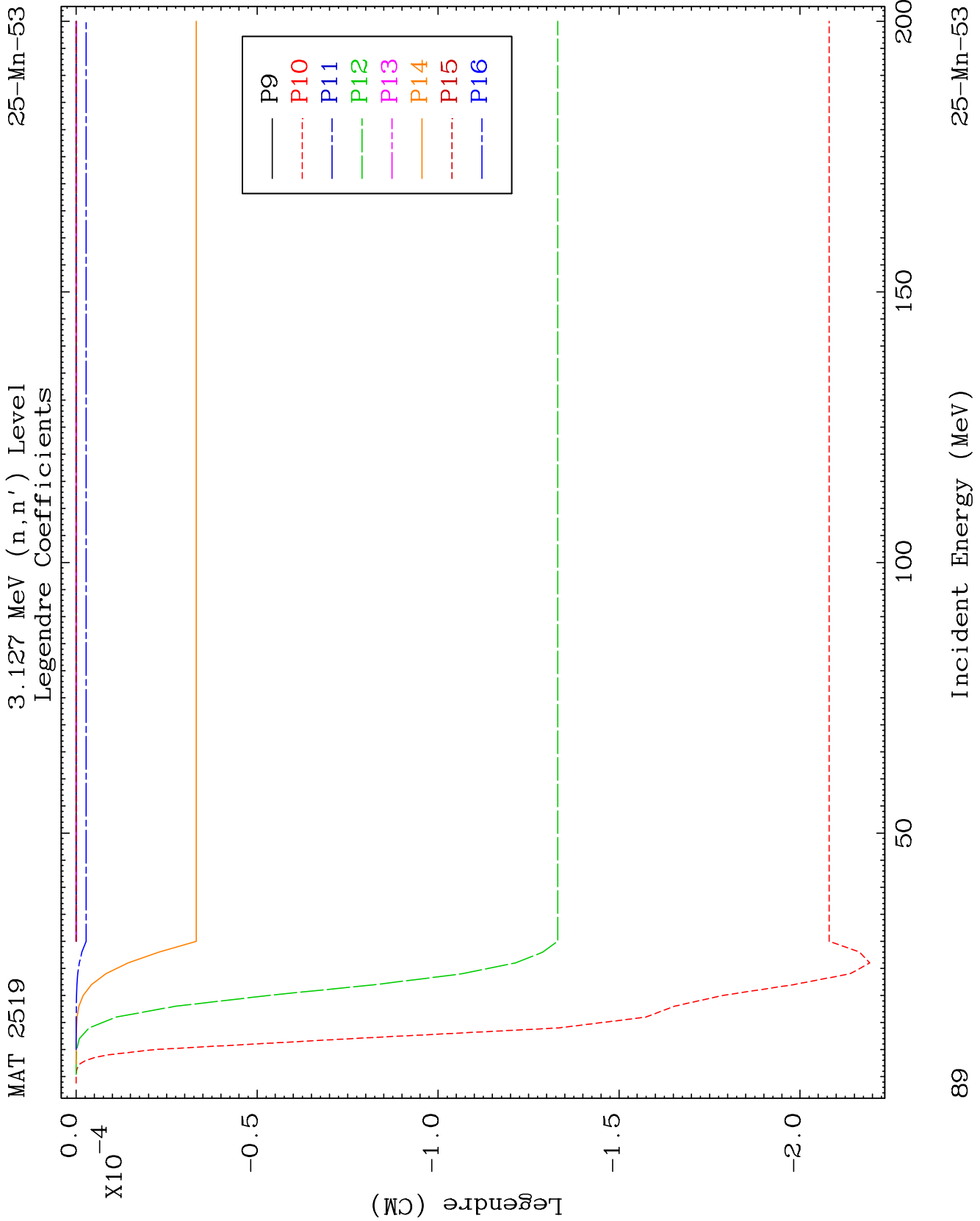
25-Mn-53

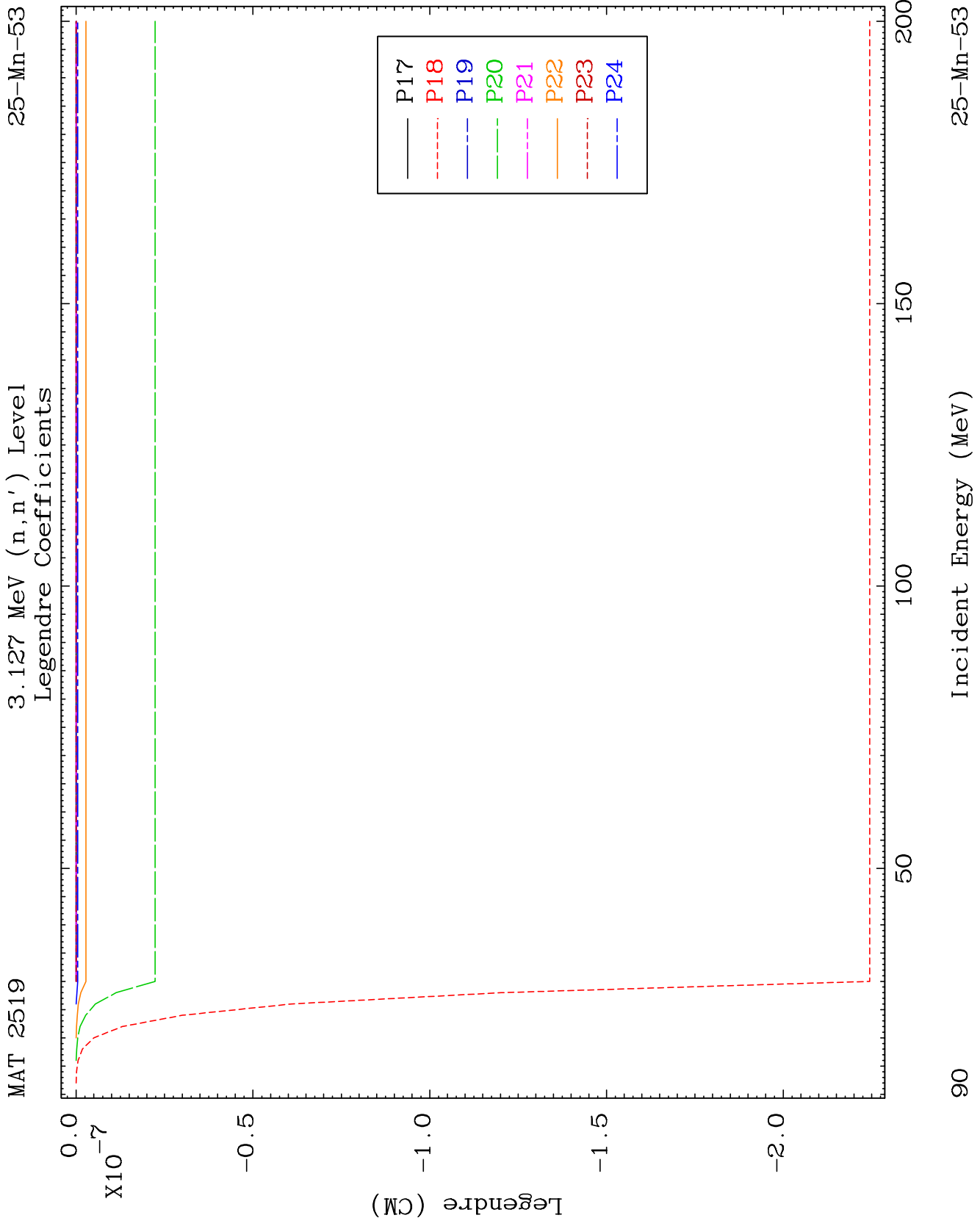


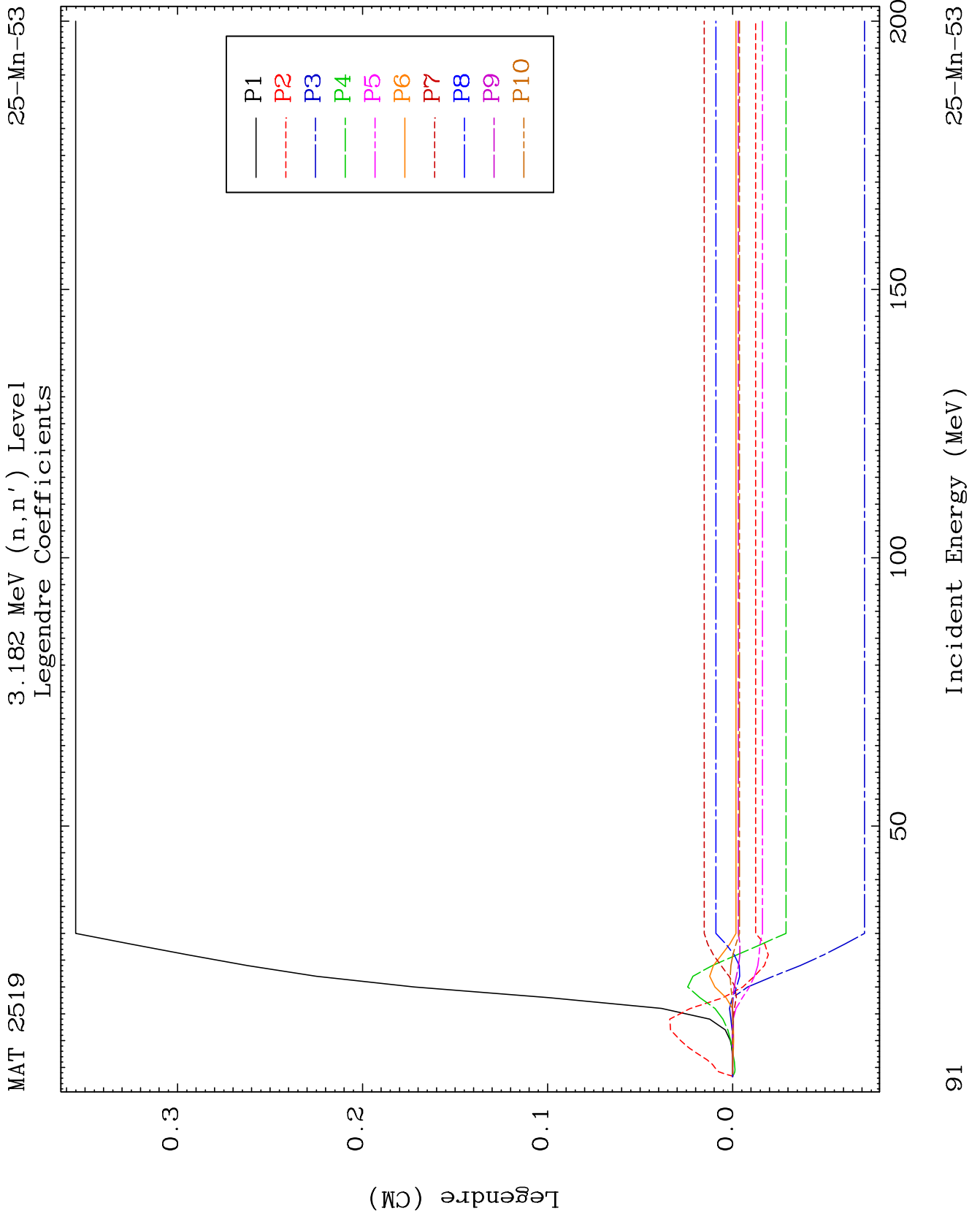




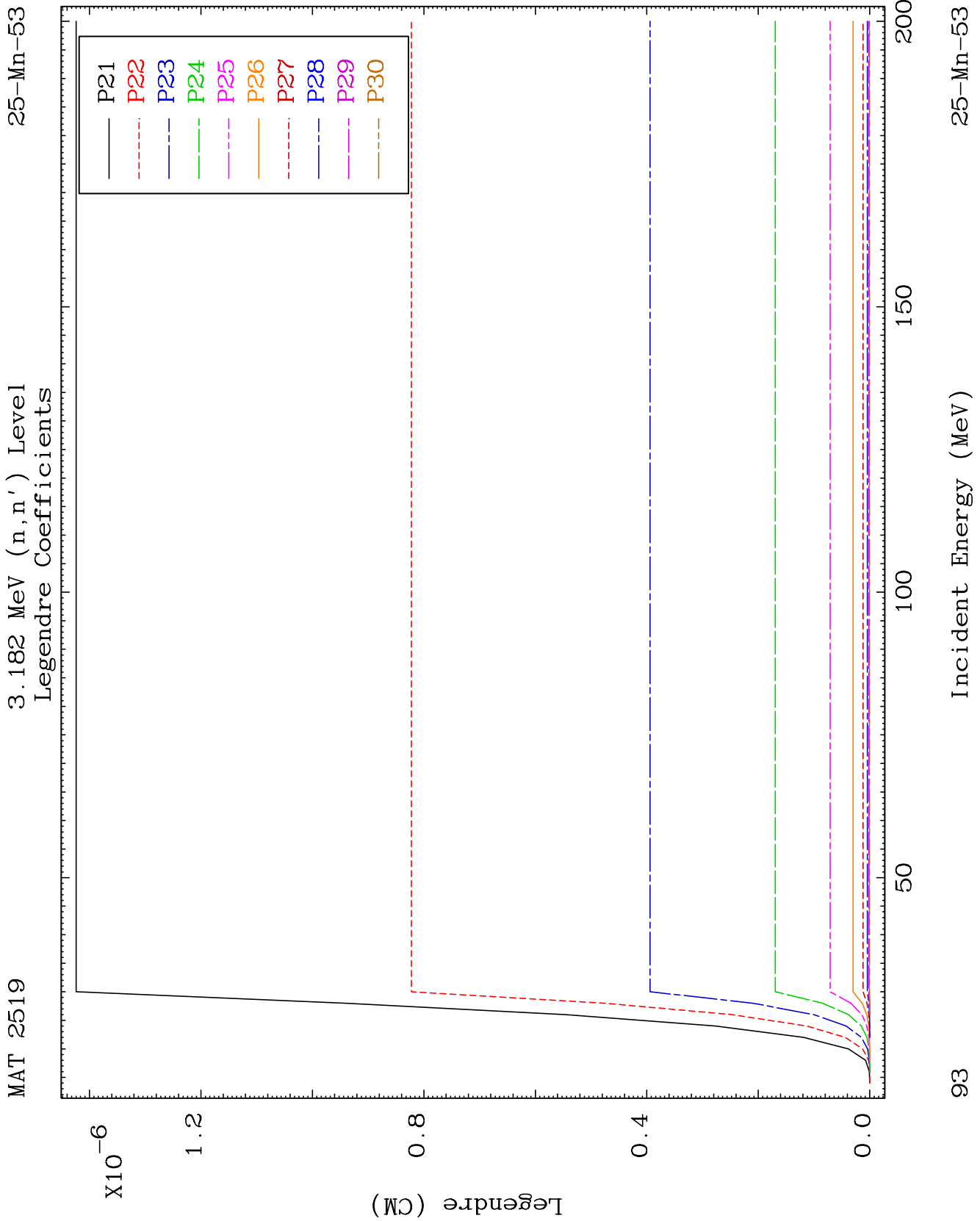


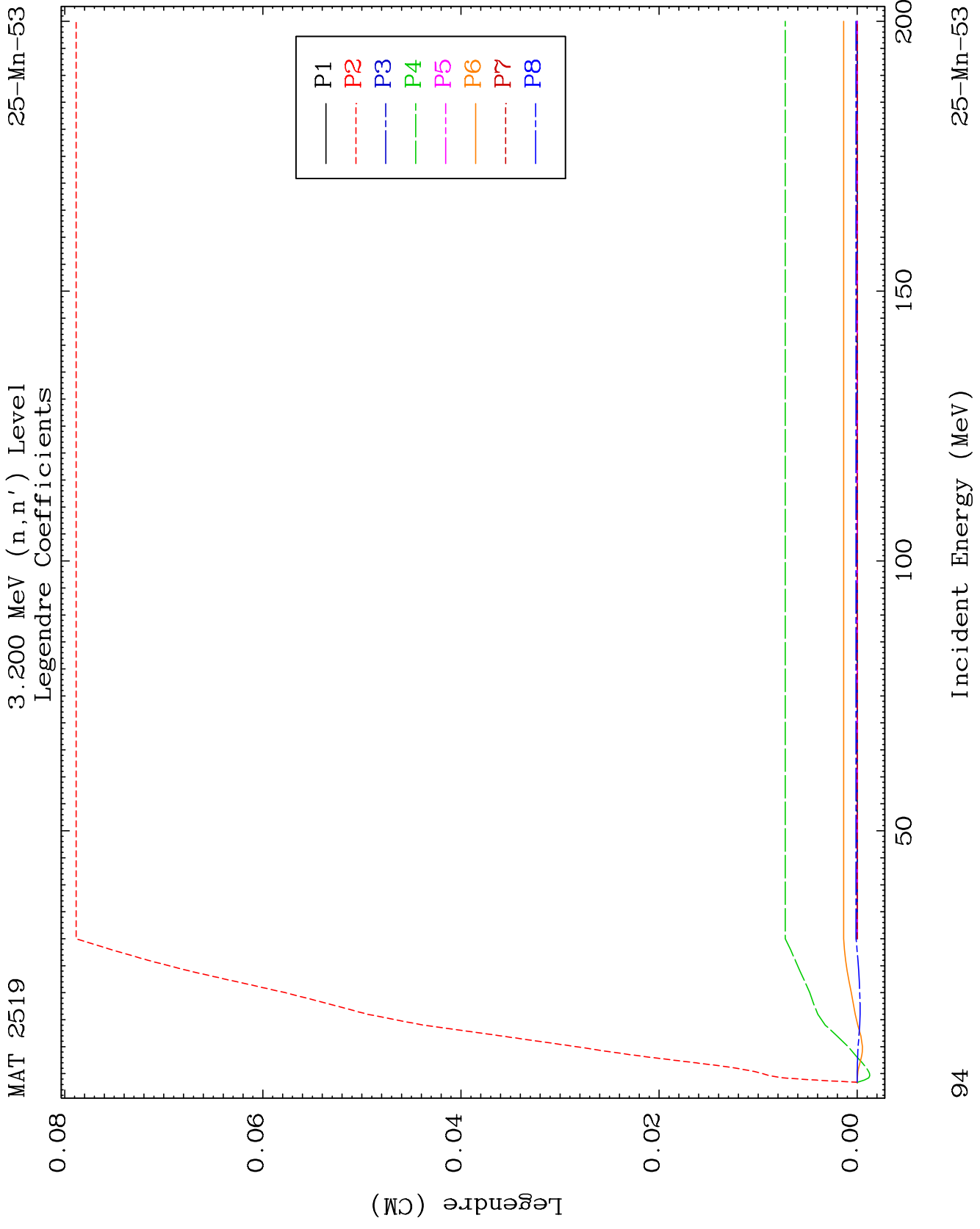


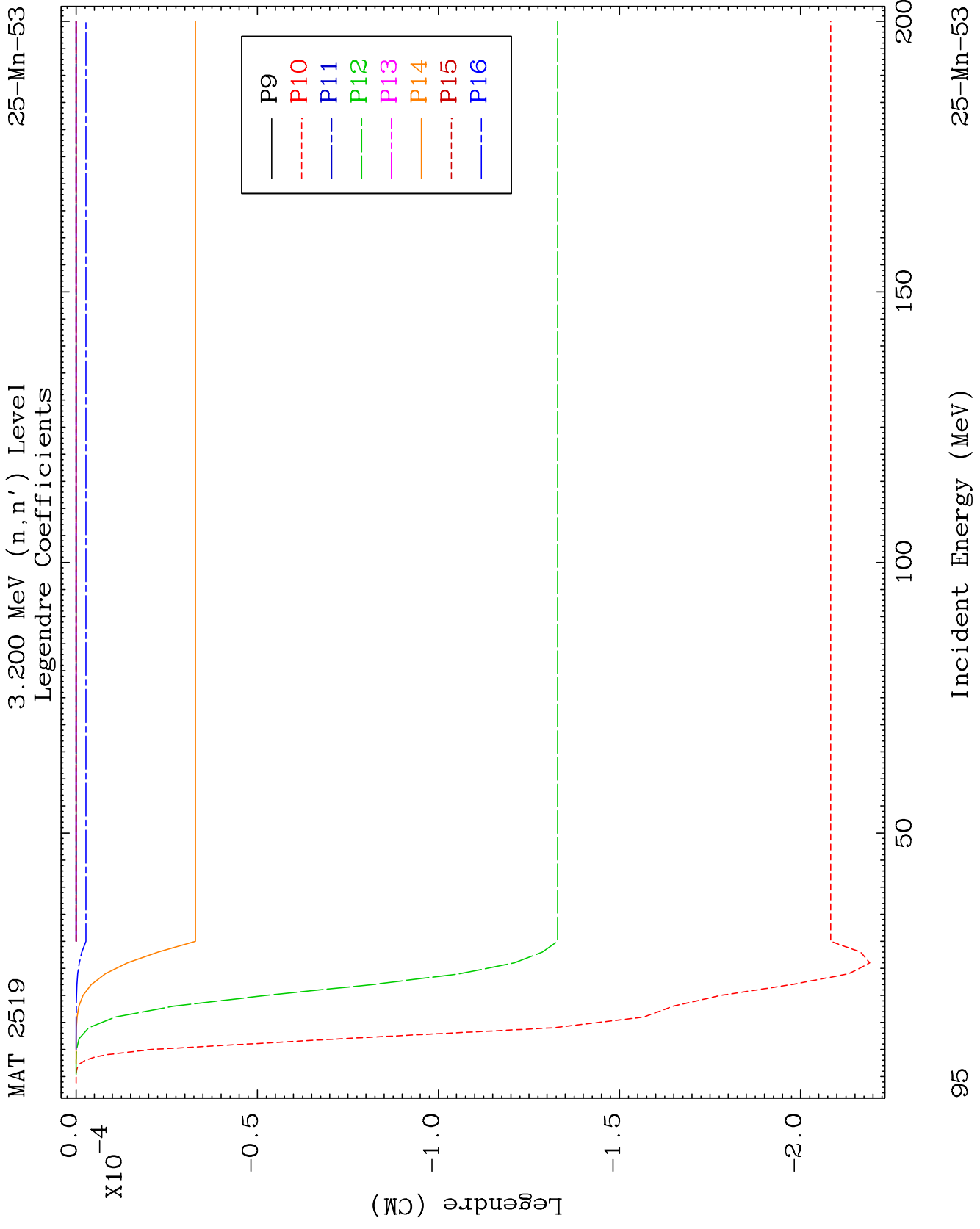




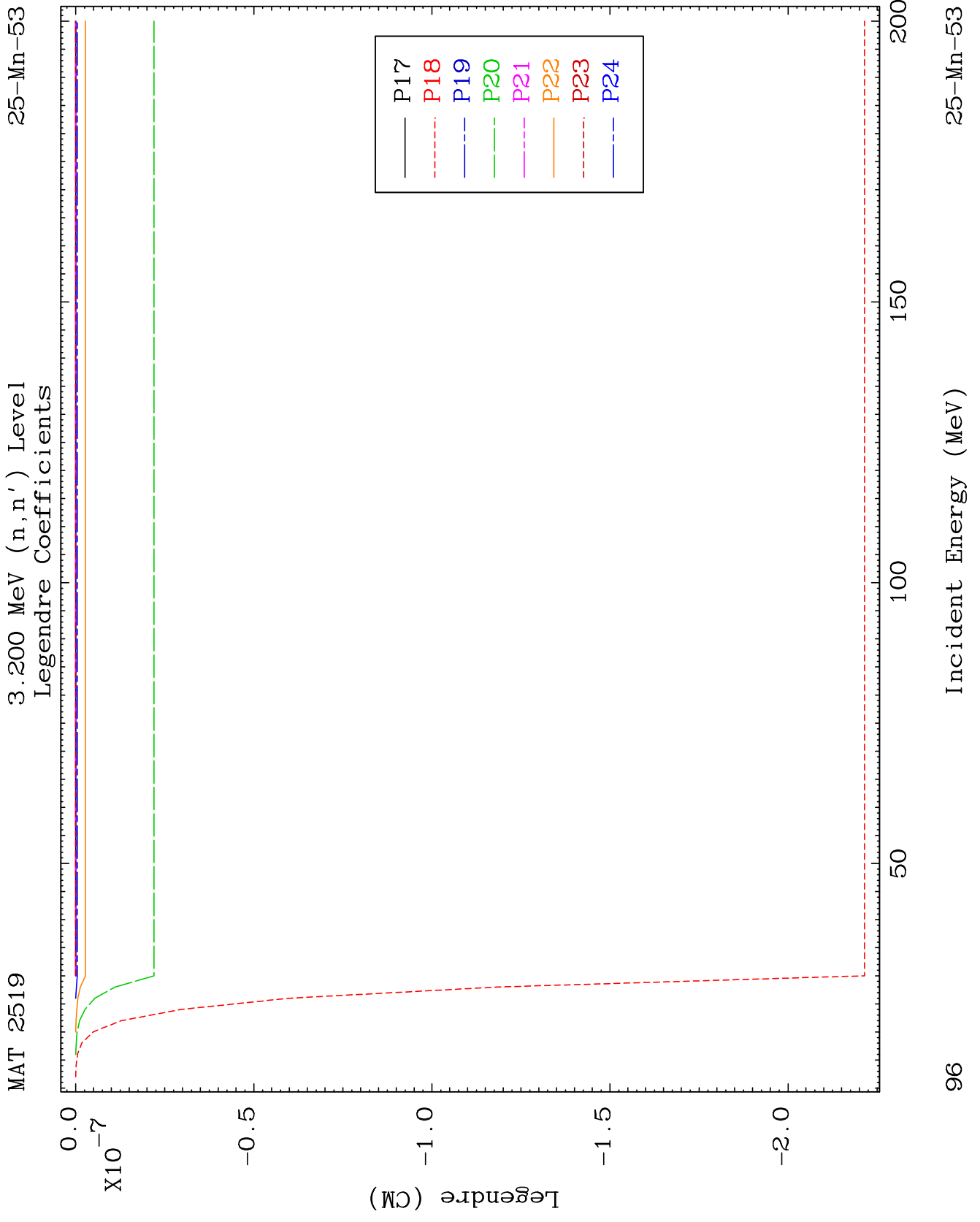




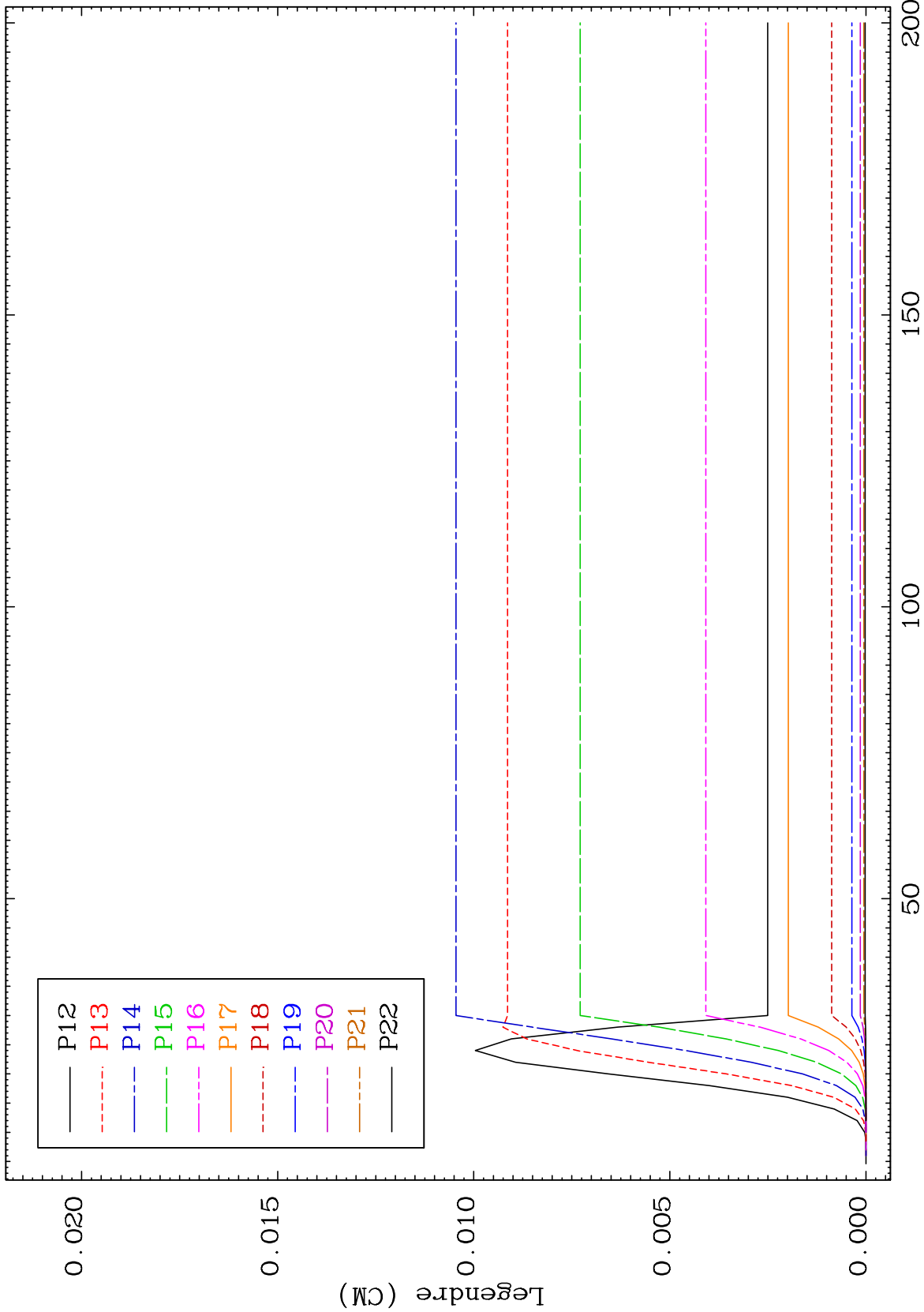


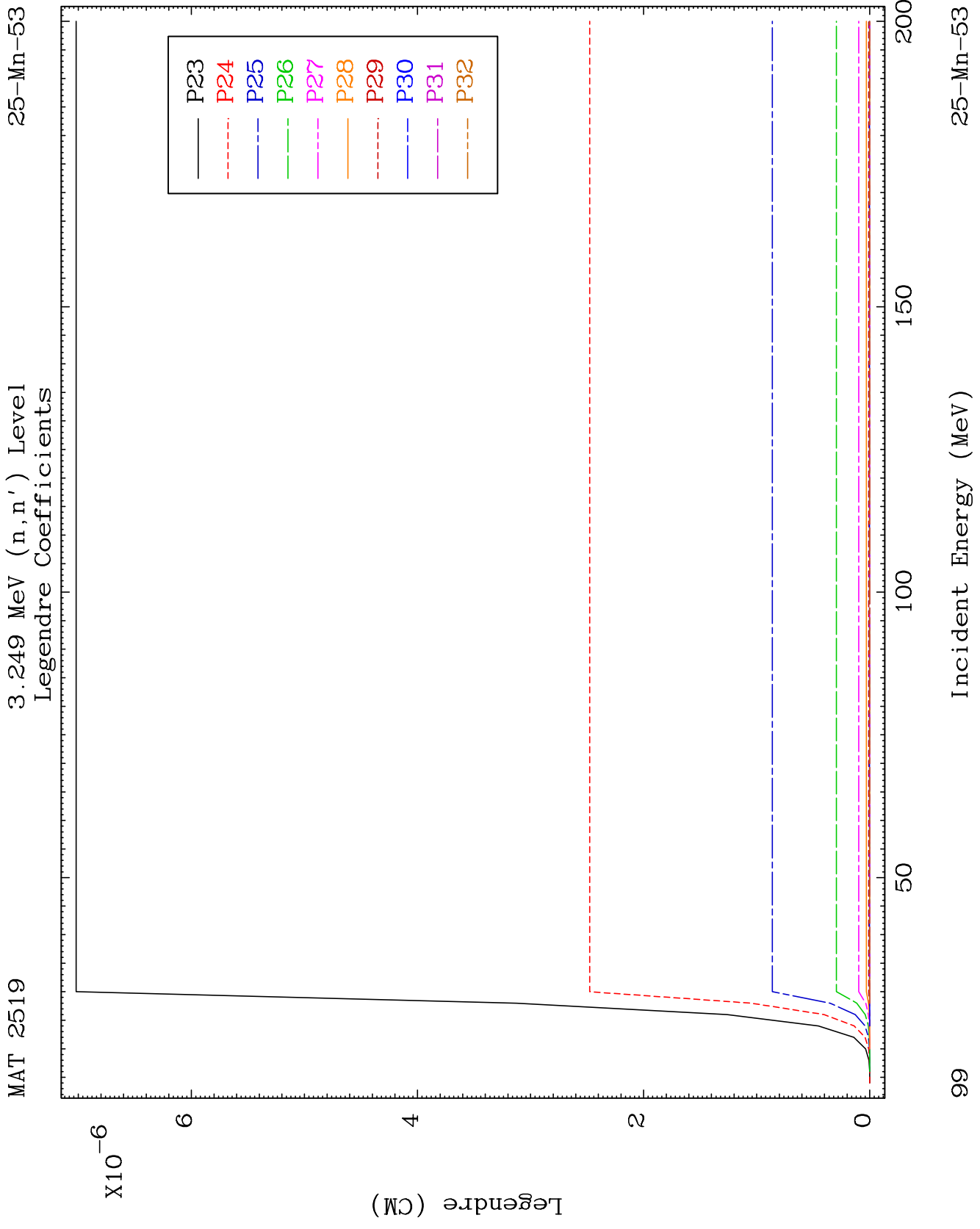


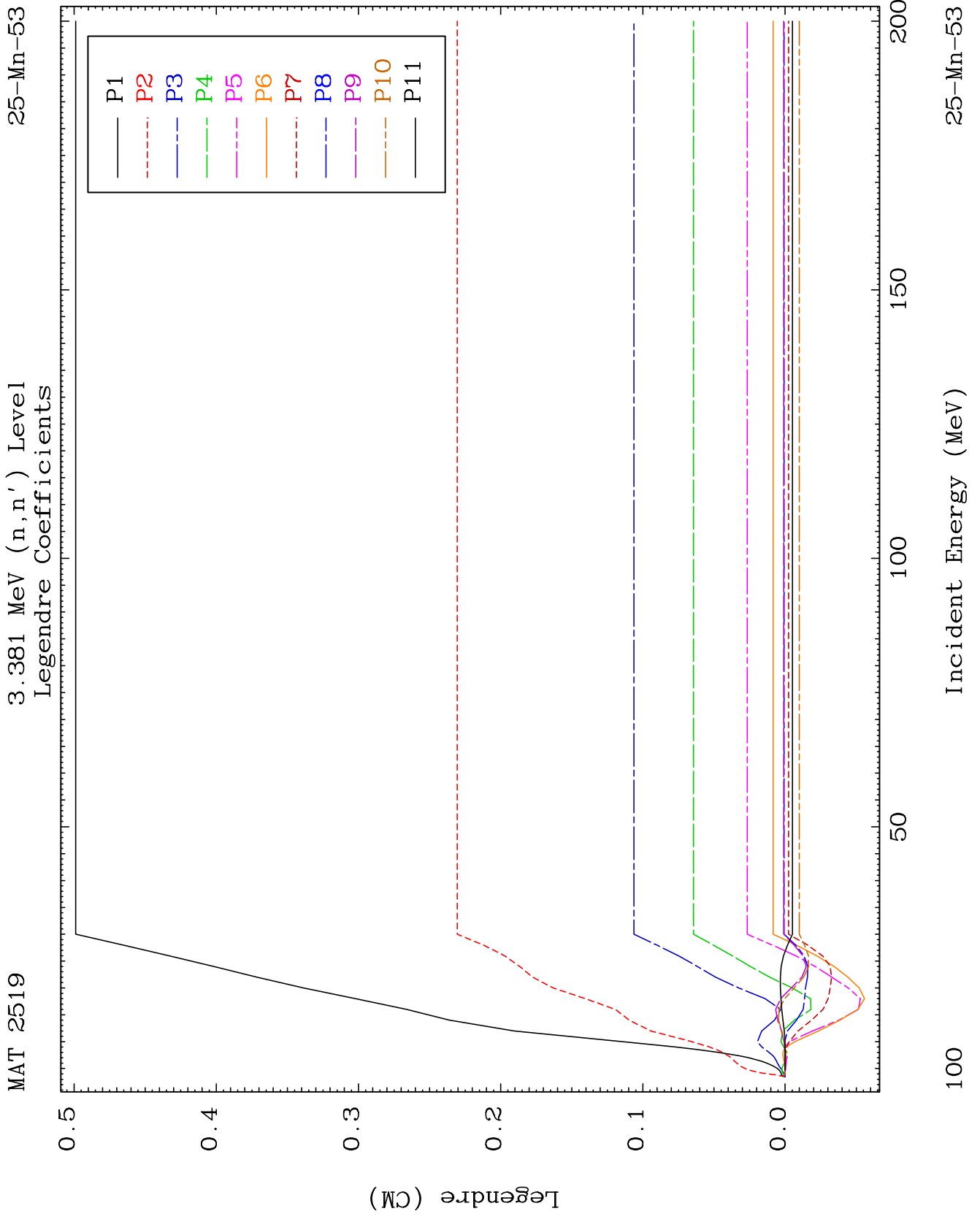








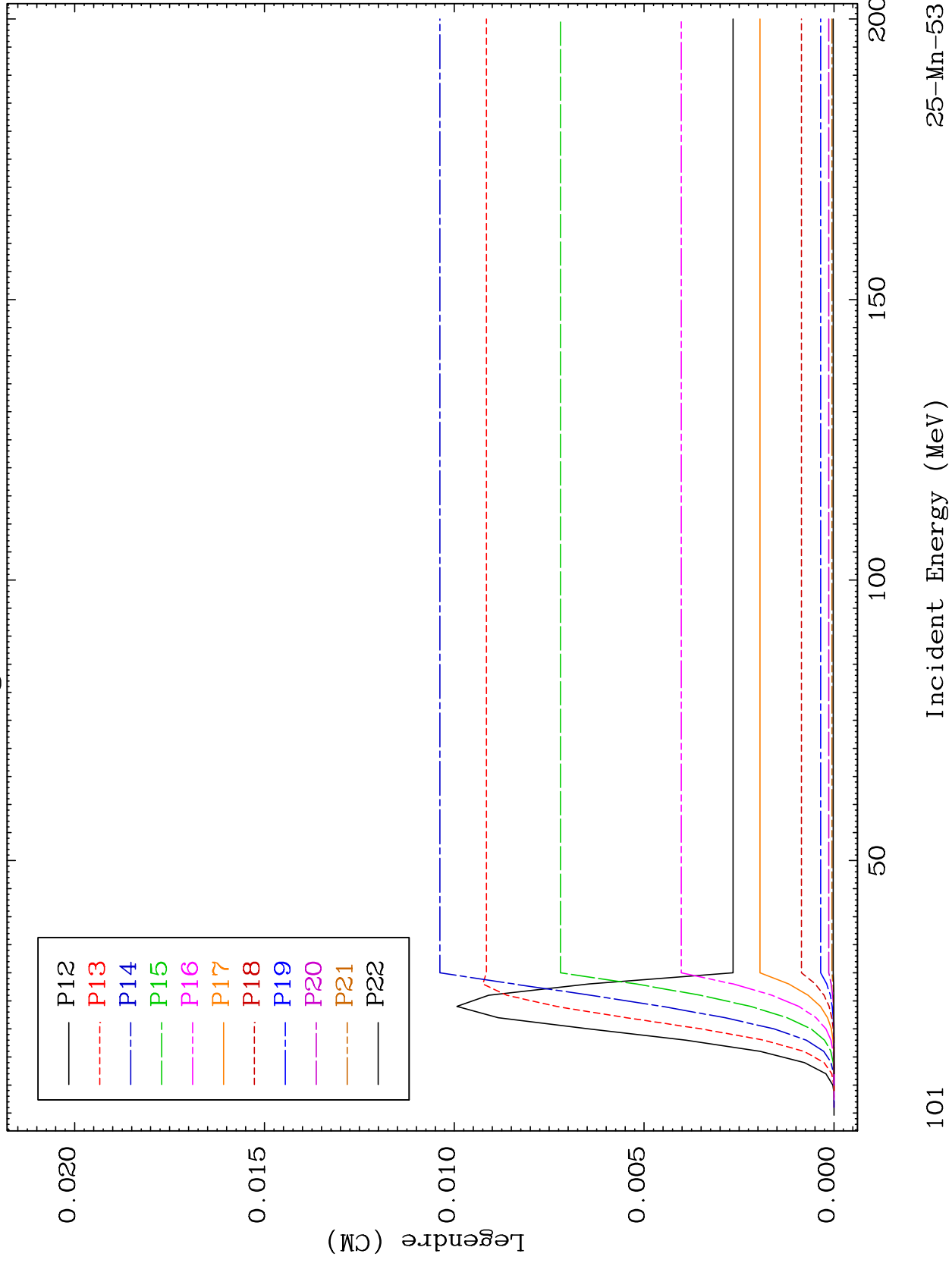




MAT 2519

3.381 MeV (n,n') Level  
Legendre Coefficients

25-Mn-53

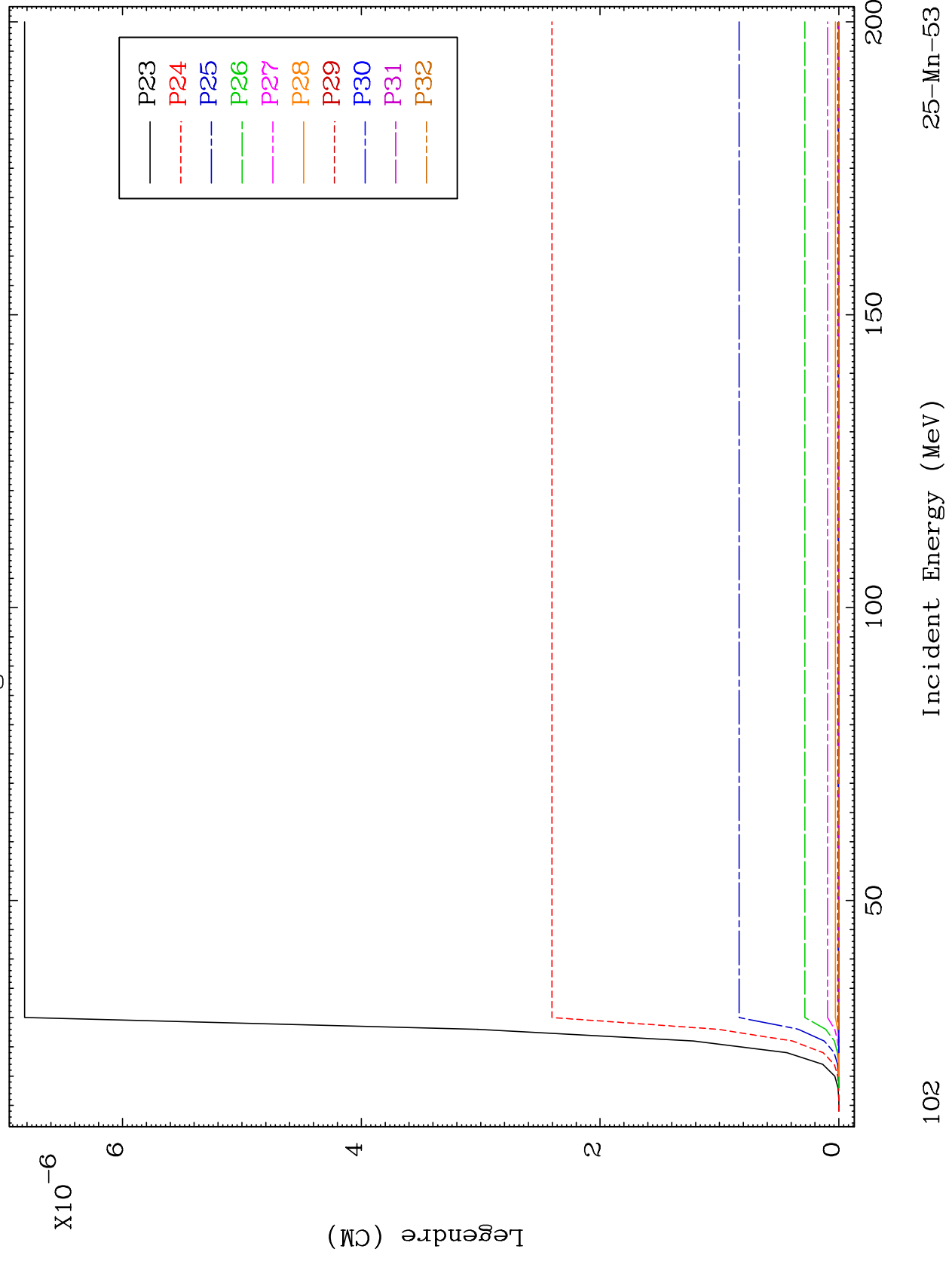


101

MAT 2519

3.381 MeV (n,n') Level  
Legendre Coefficients

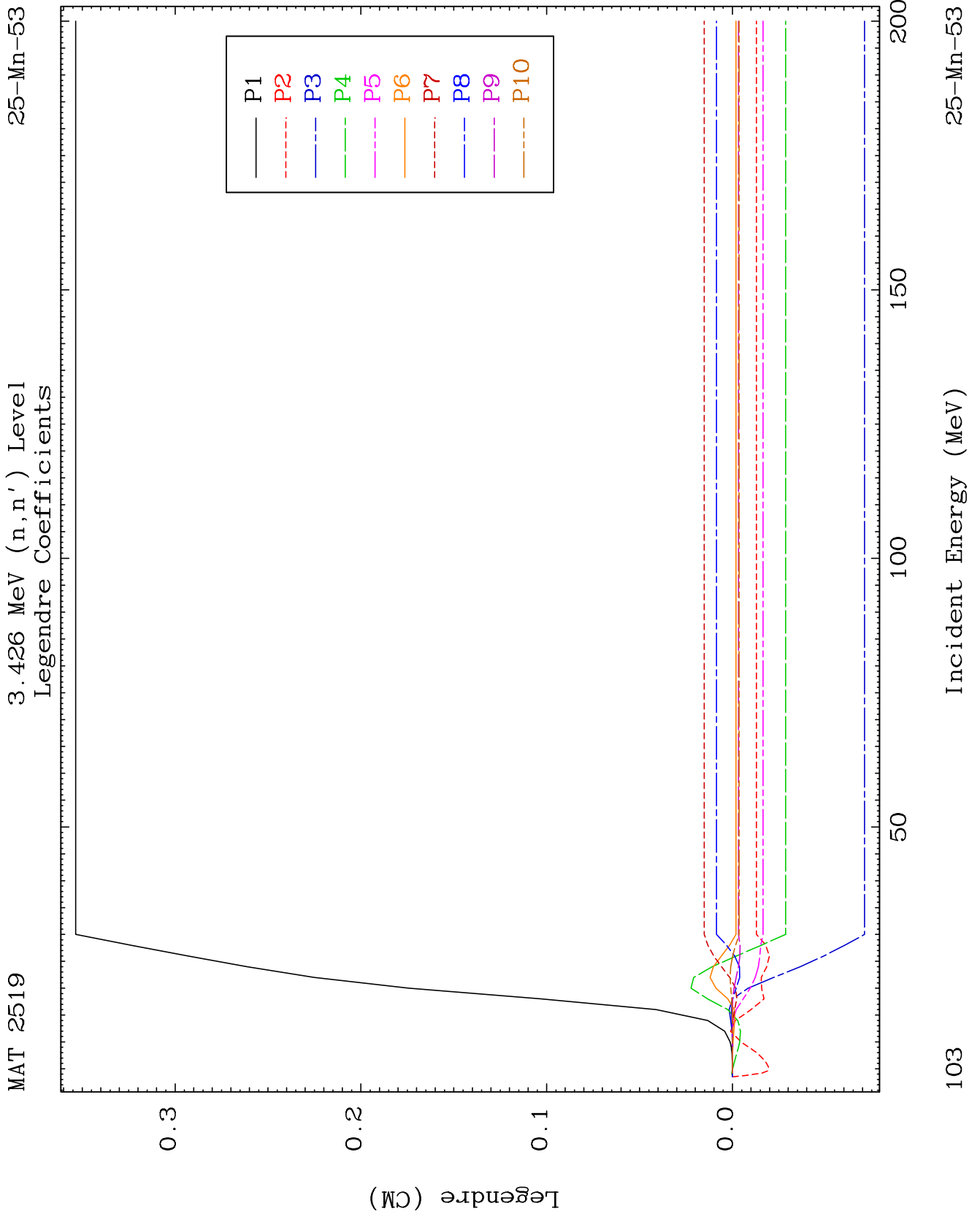
25-Mn-53



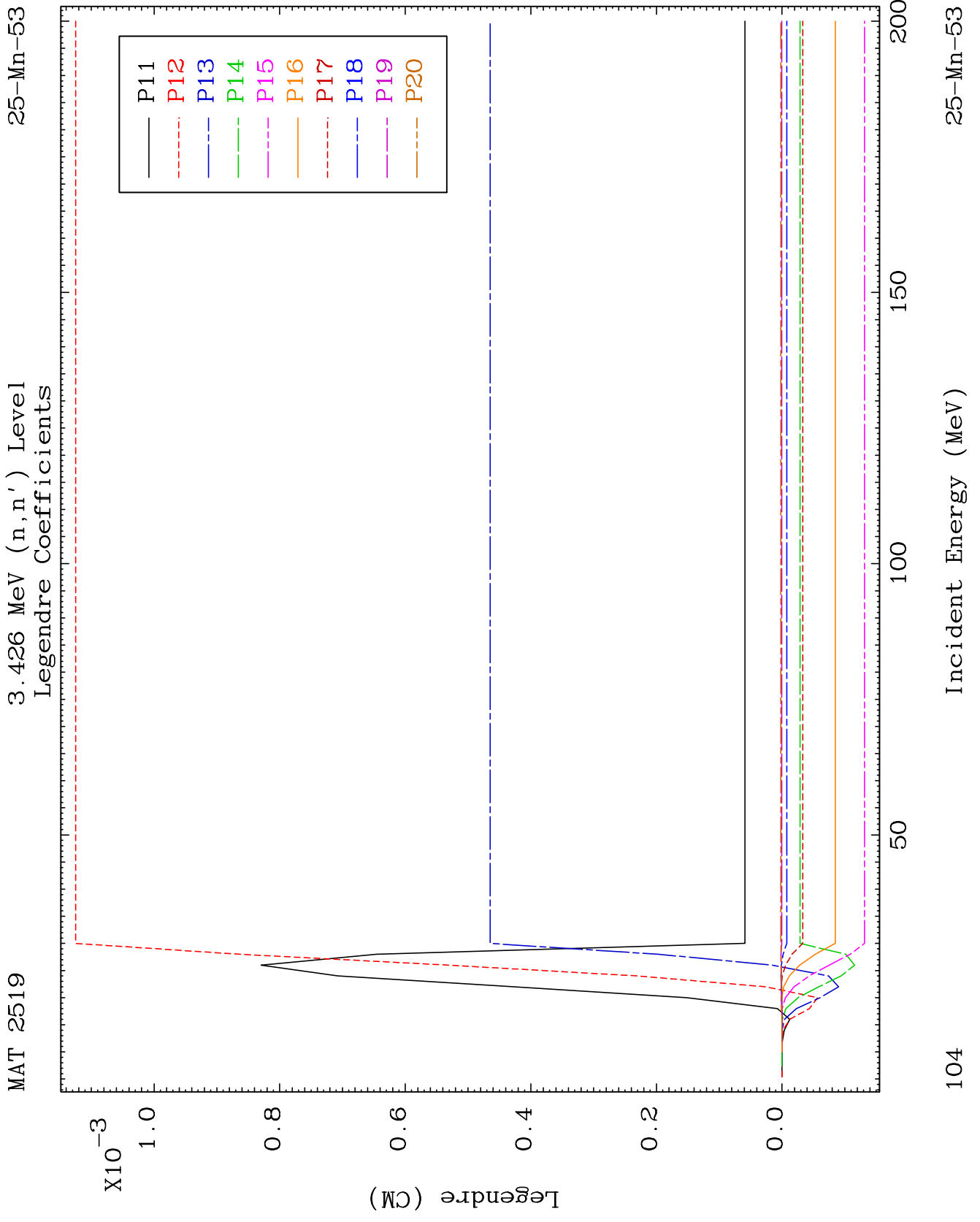
25-Mn-53

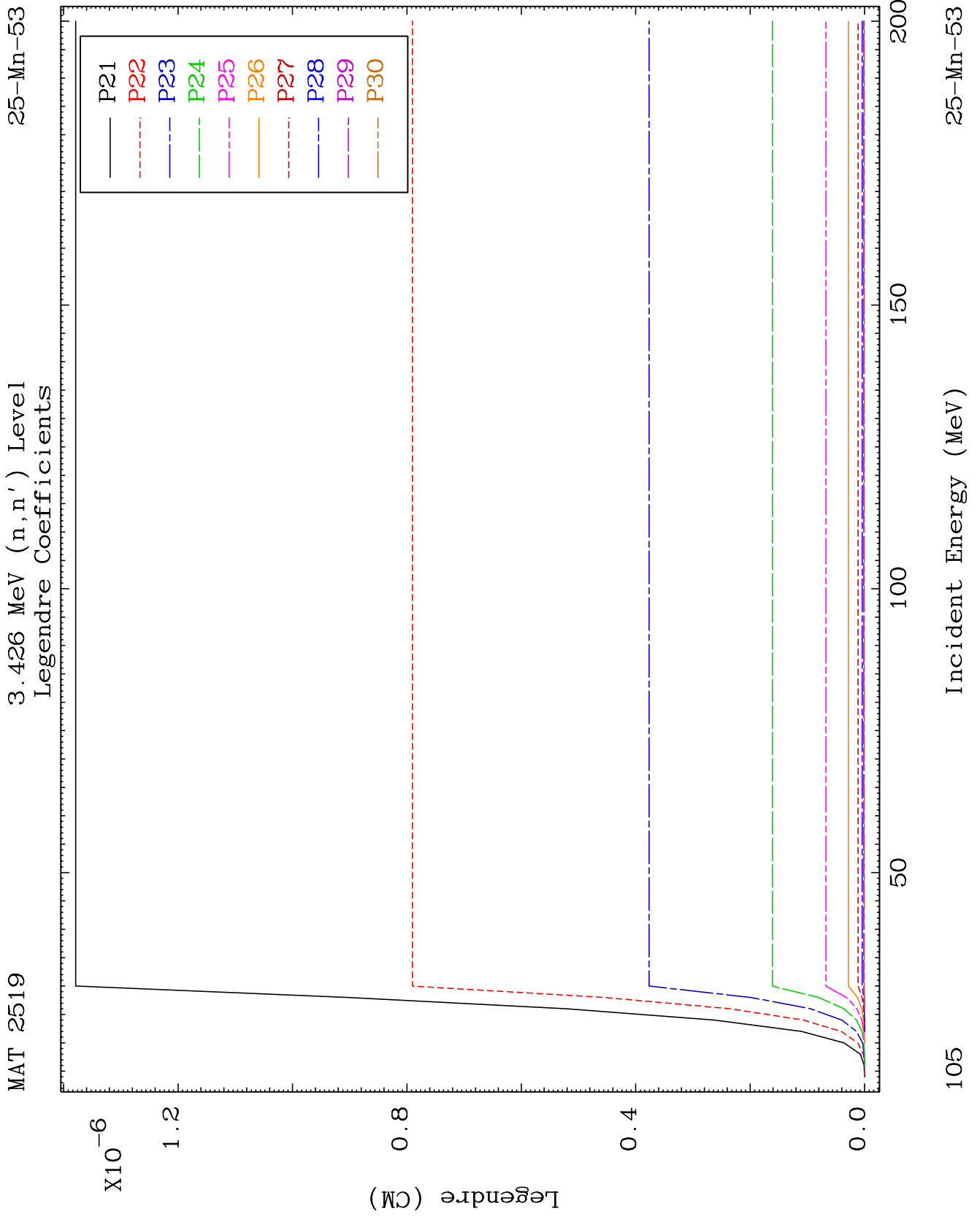
Incident Energy (MeV)

102





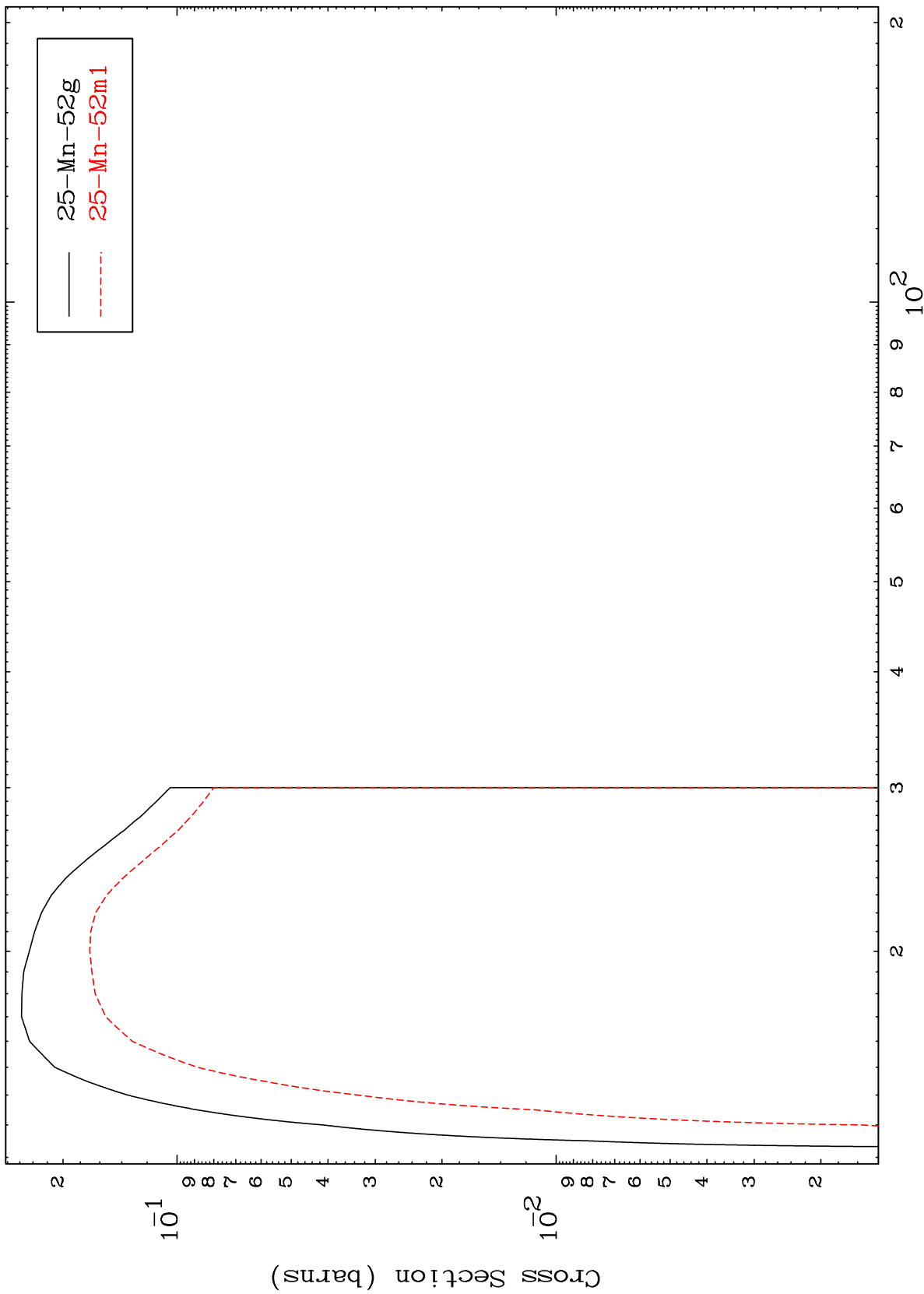




MAT 2519

25-Mn-53

(n,2n)  
Radionuclide Production Cross Section



106

Incident Energy (MeV)

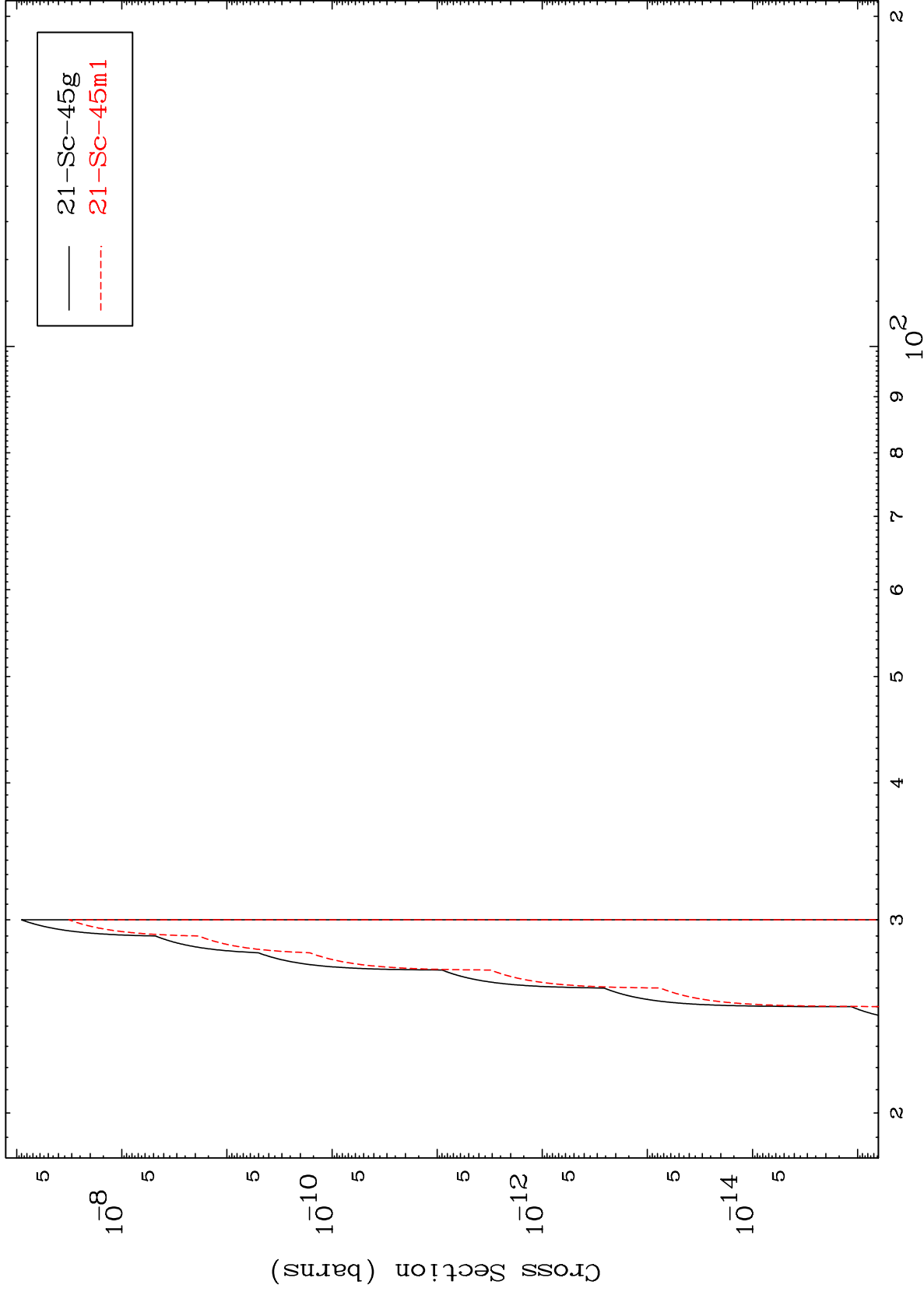
25-Mn-53

MAT 2519

(n,n') 2α

25-Mn-53

Radionuclide Production Cross Section



107

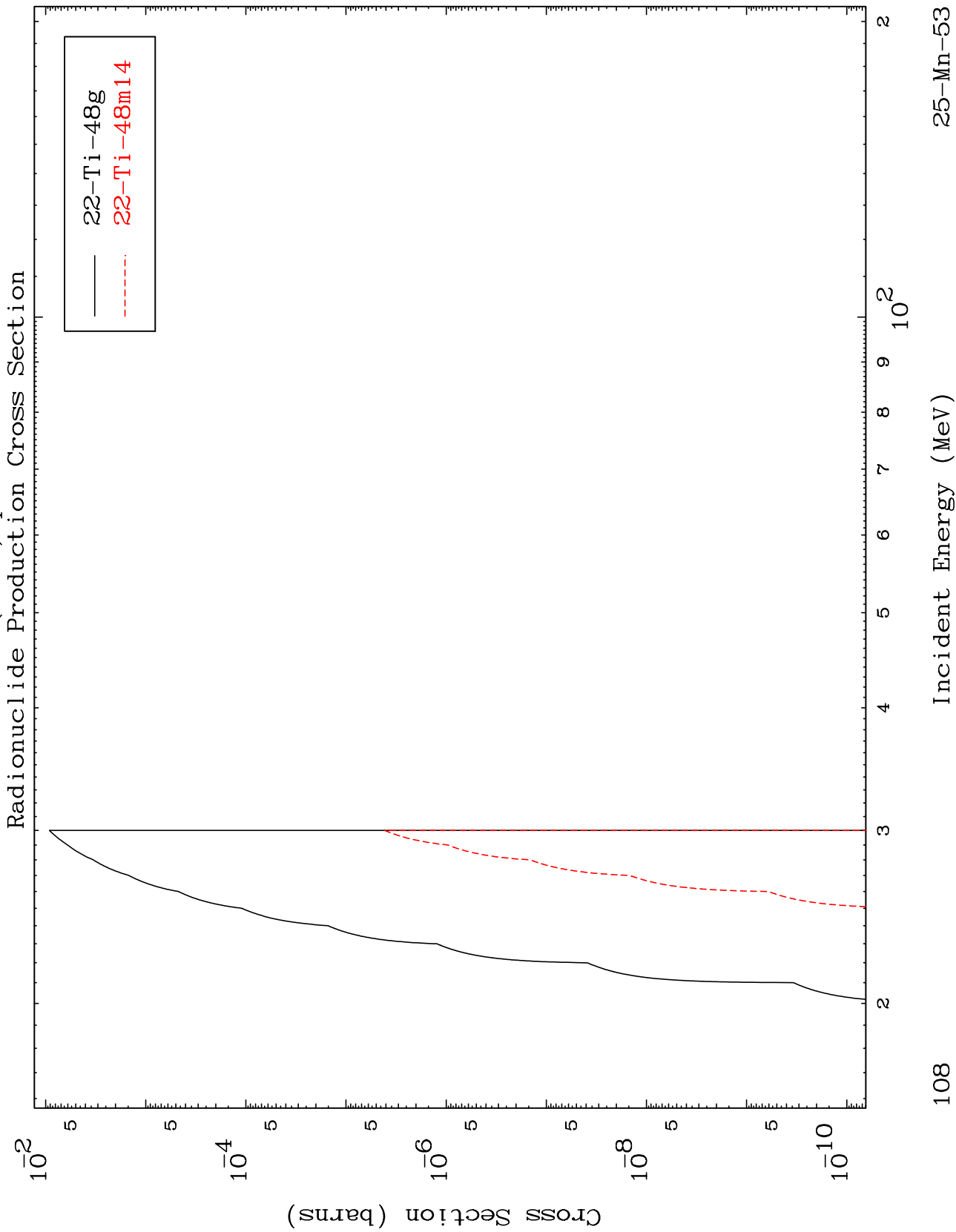
Incident Energy (MeV)

25-Mn-53

MAT 2519

(n,n') p  $\alpha$

25-Mn-53



108

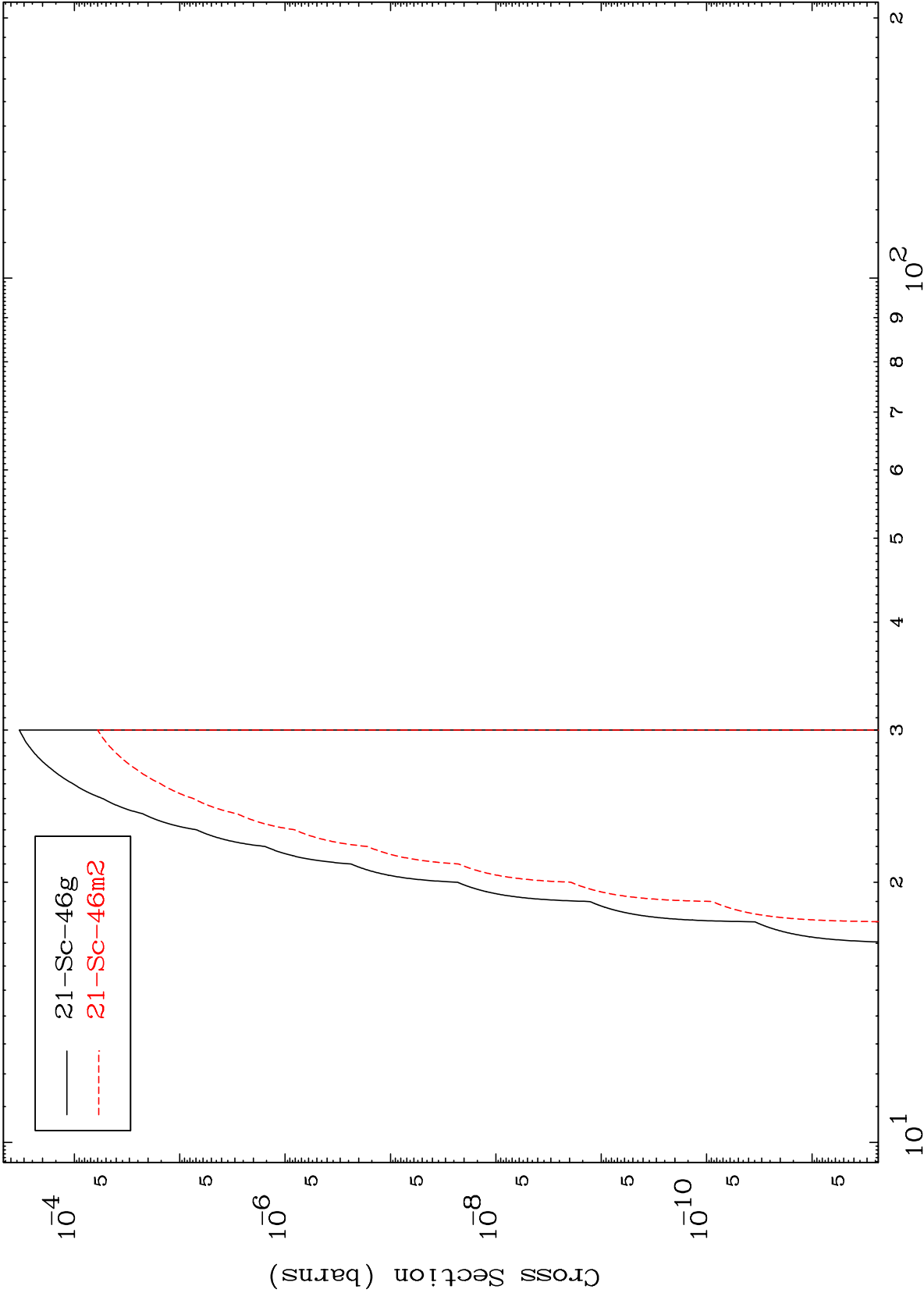
25-Mn-53

MAT 2519

(n,2α)

25-Mn-53

Radionuclide Production Cross Section



109

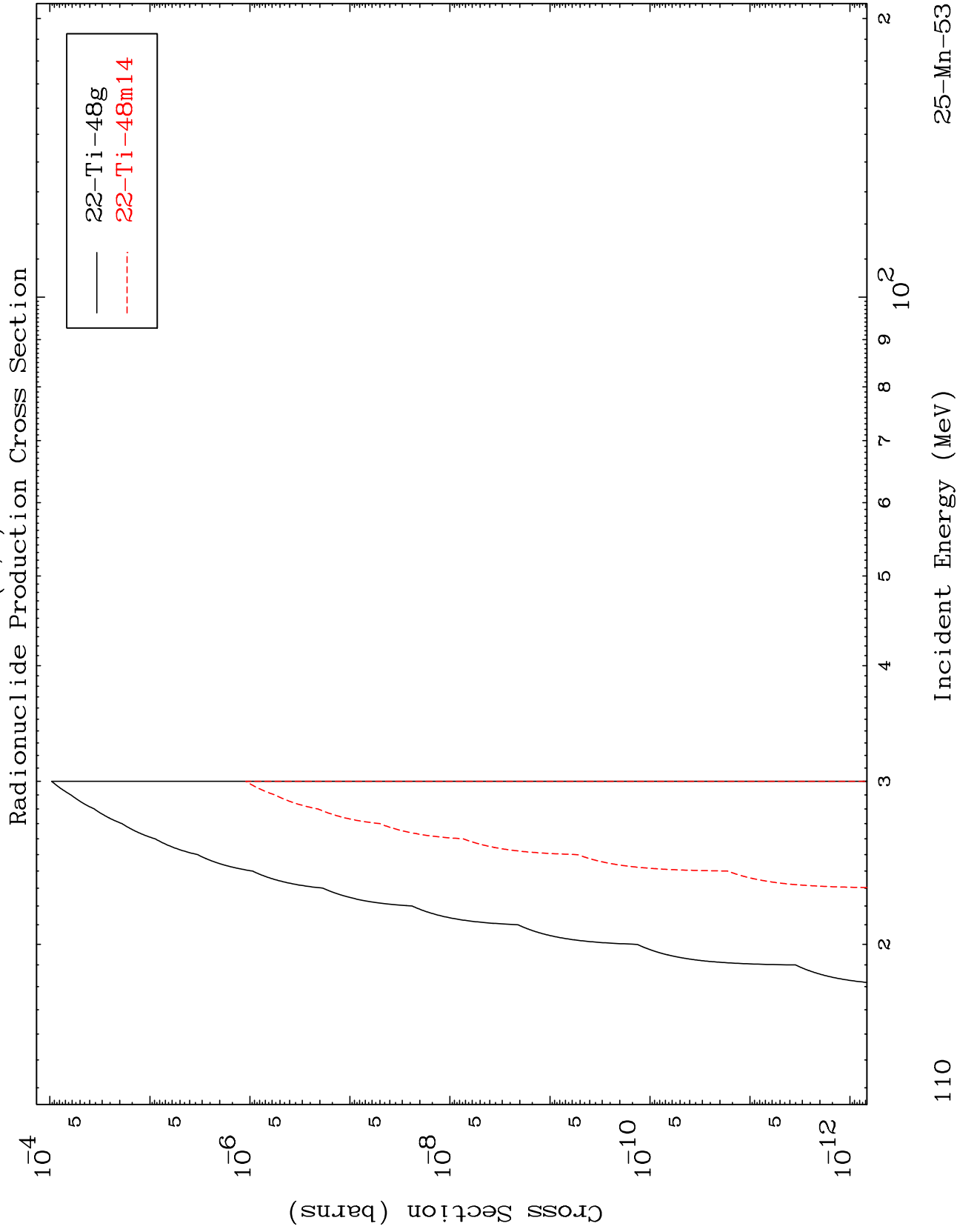
109

25-Mn-53

MAT 2519

(n,d)  $\alpha$

25-Mn-53



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