

Program EVALPLOT  
(Version 2015-2)

by

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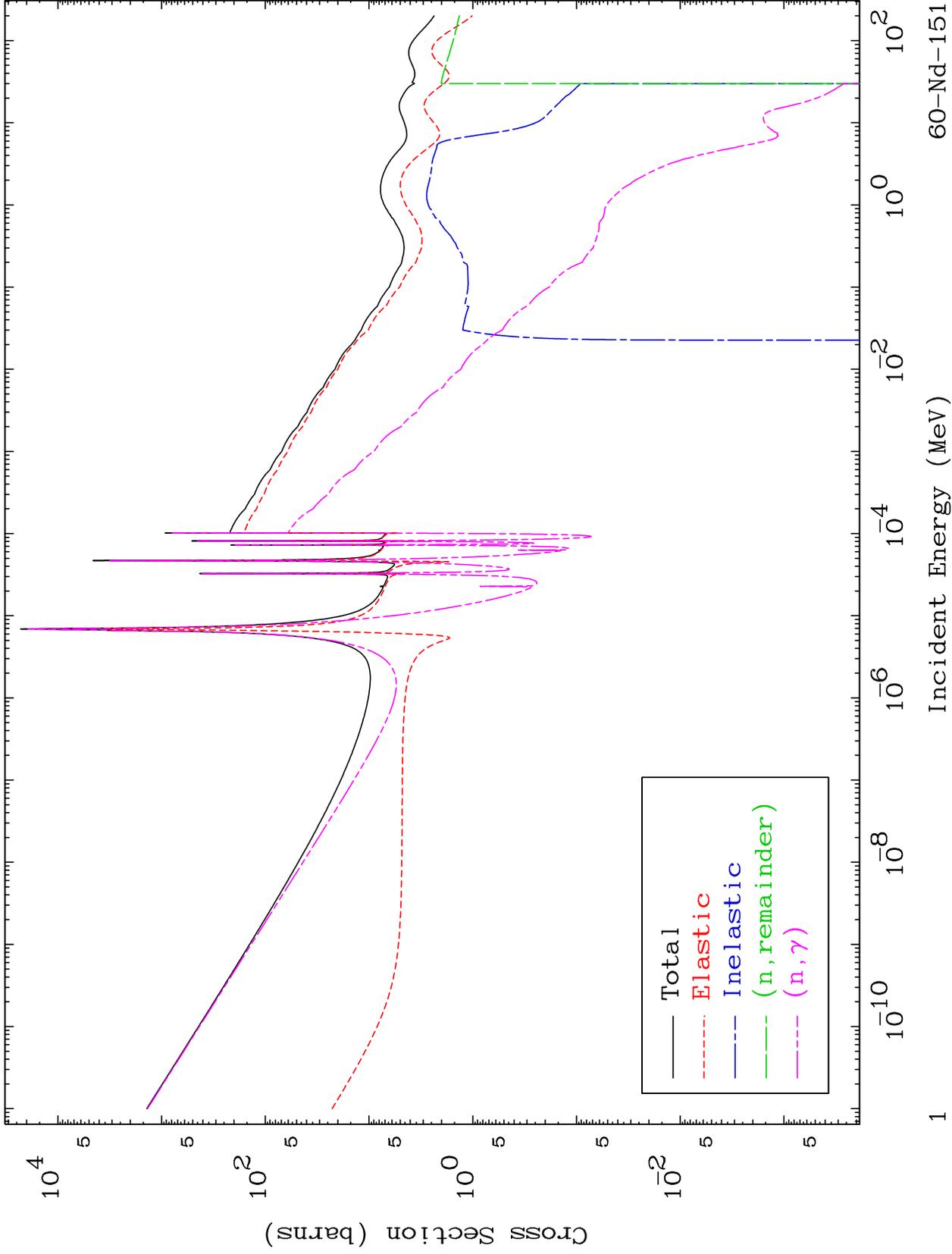
E.Mail:redcullen1@comcast.net  
Web:home.comcast.net/~redcullen1

Press Mouse Button to Start

MAT 6052

Major  
293 Kelvin Cross Sections

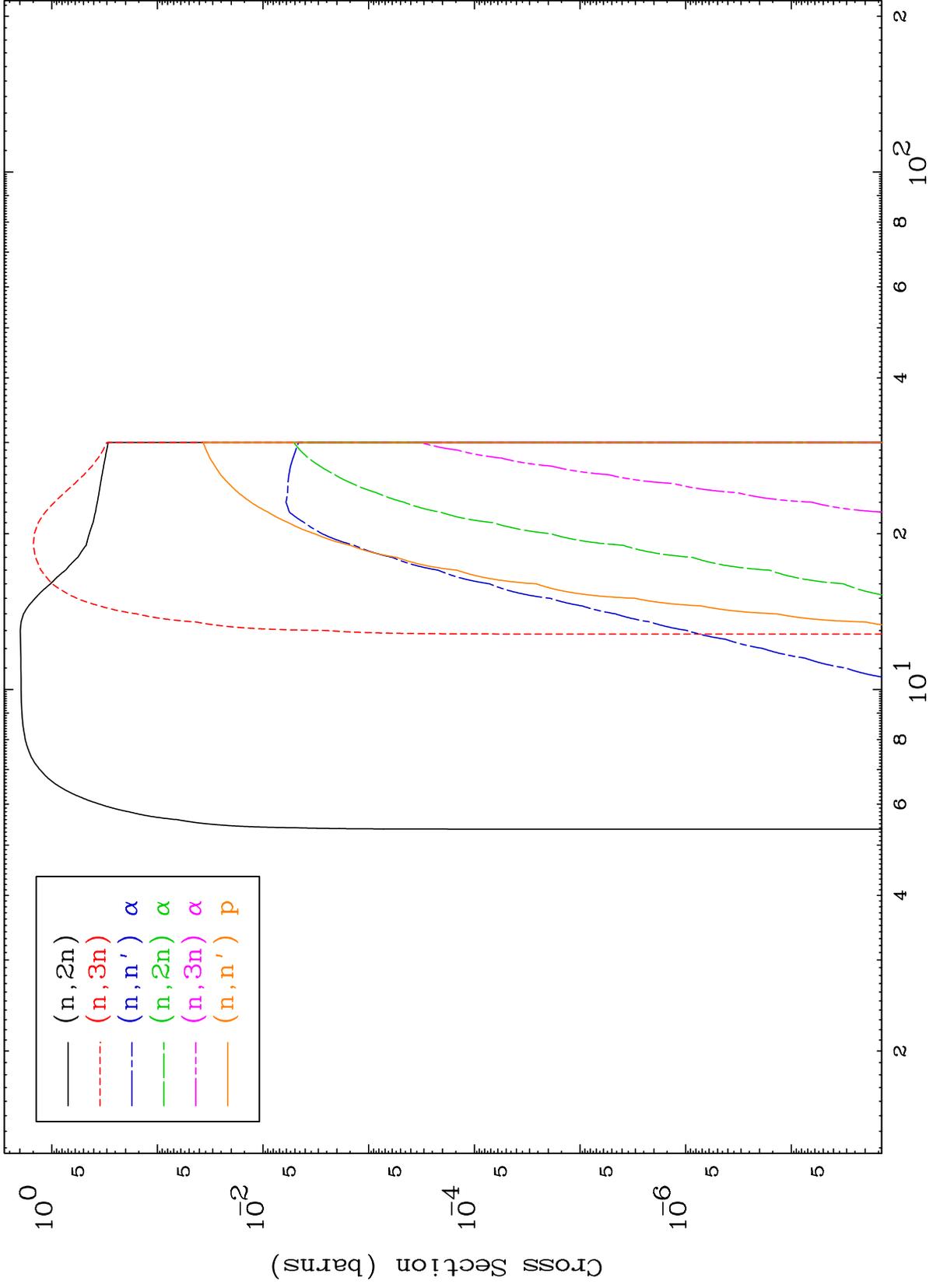
60-Nd-151

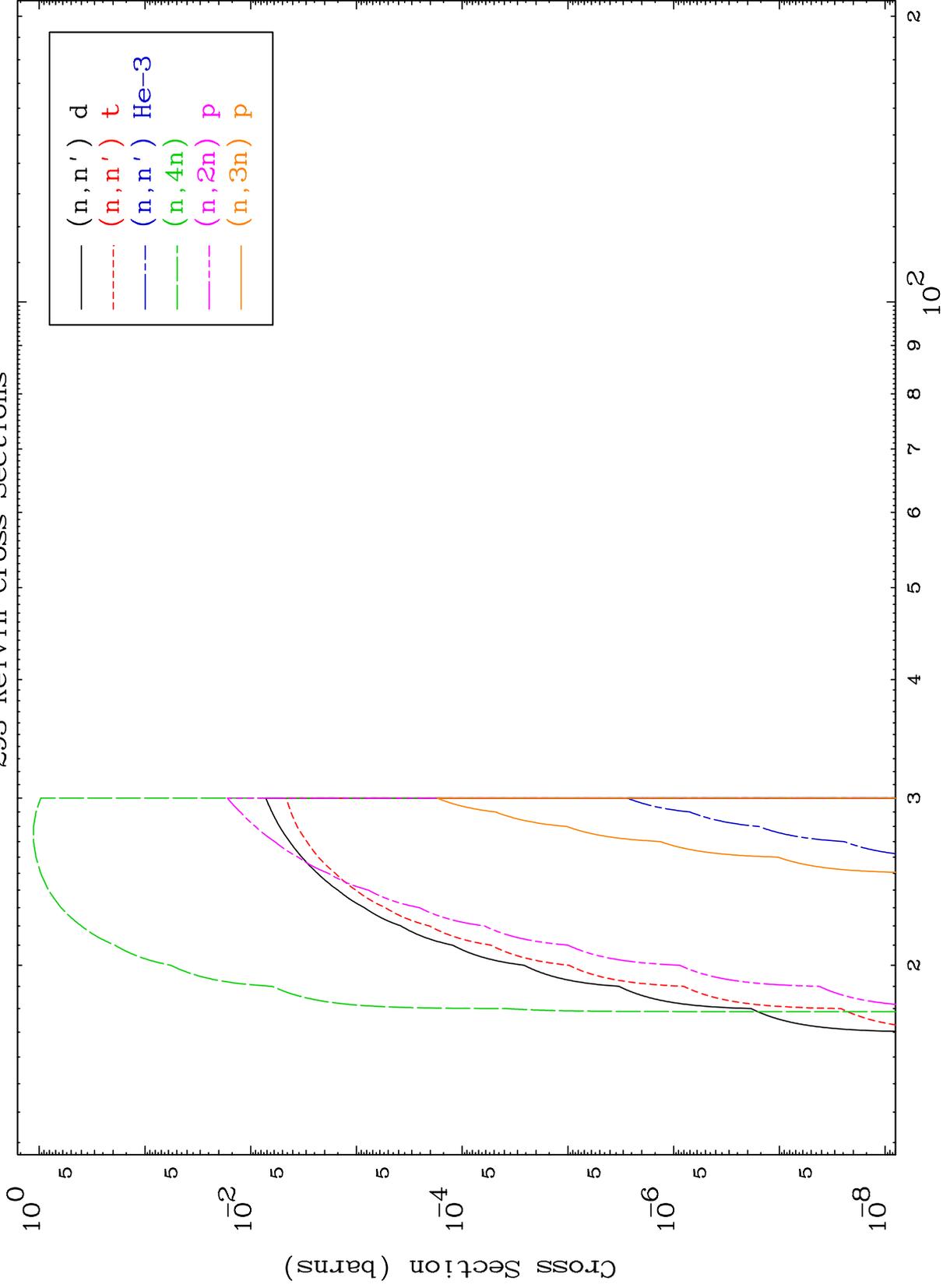


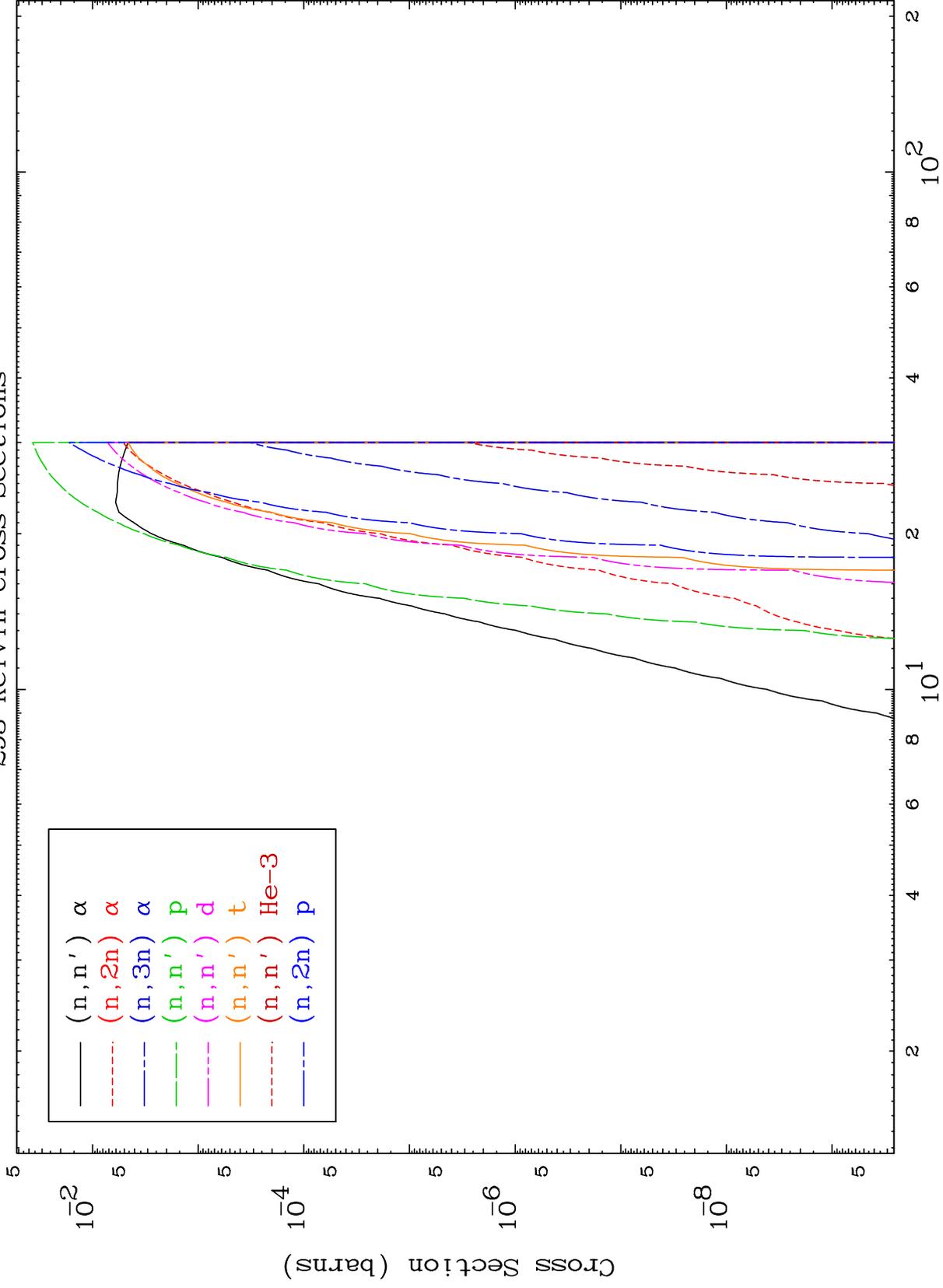
MAT 6052

Neutron Production  
293 Kelvin Cross Sections

60-Nd-151



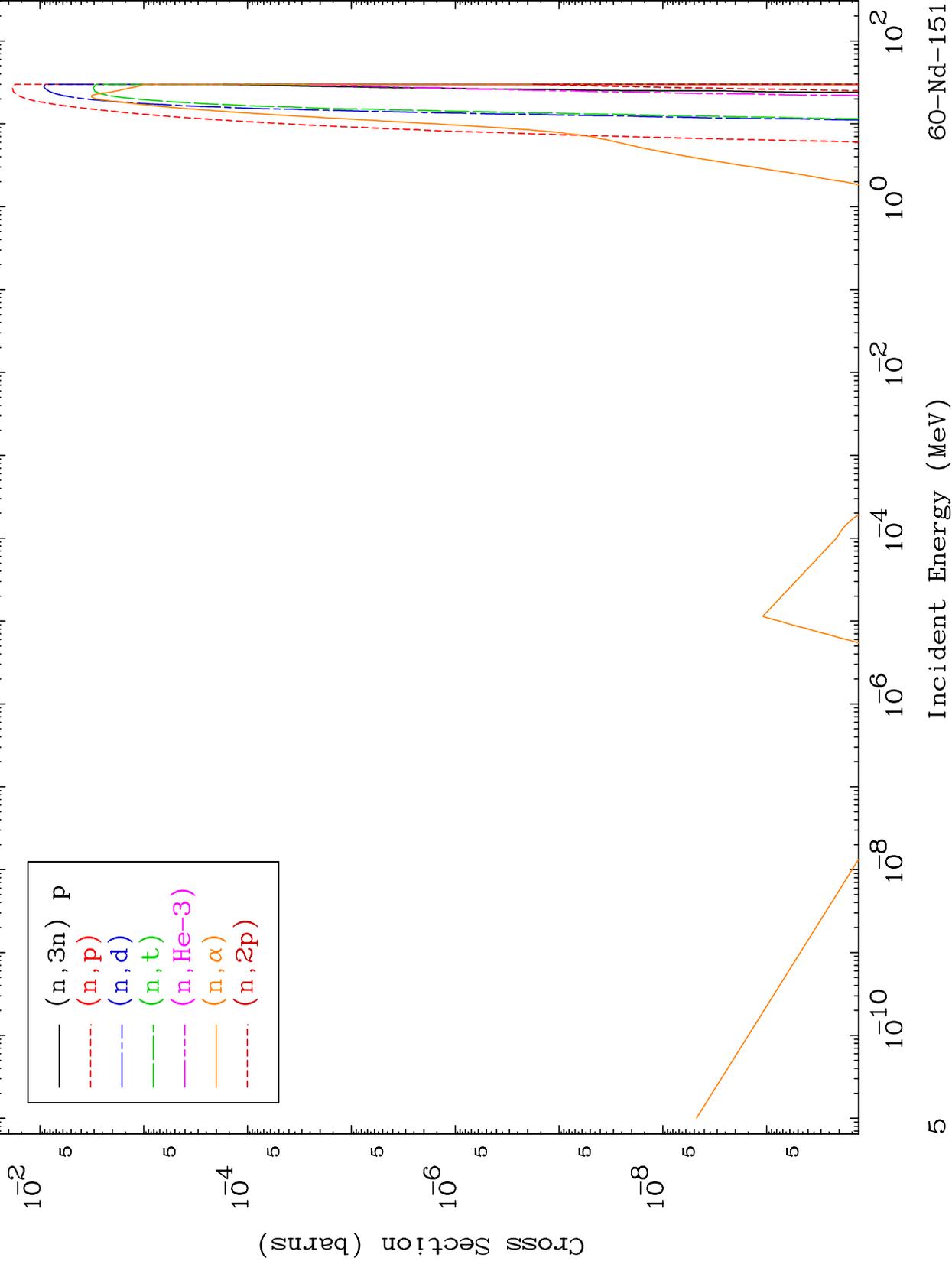




MAT 6052

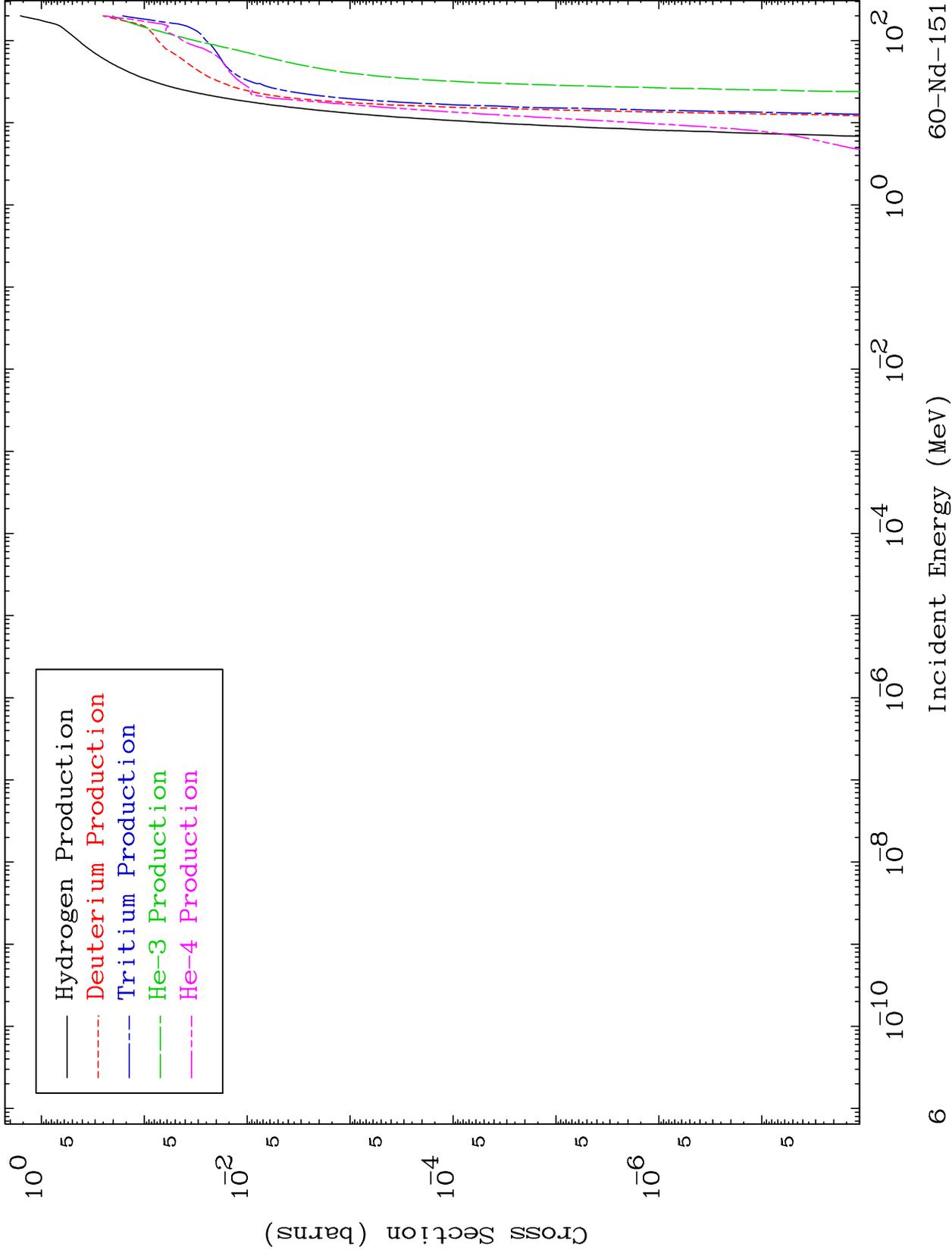
Charged Particle  
293 Kelvin Cross Sections

60-Nd-151



5

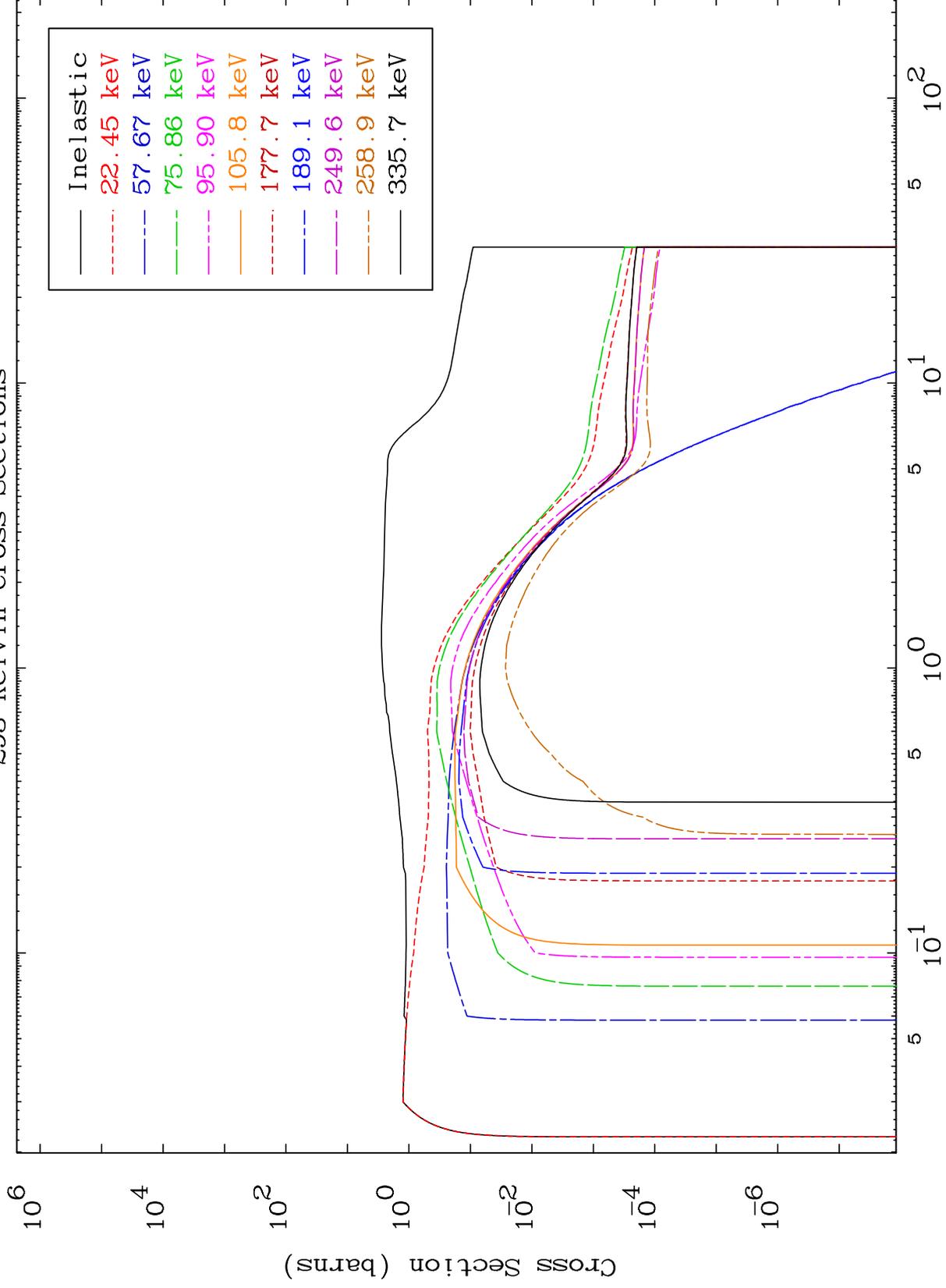
60-Nd-151



MAT 6052

(n,n') Level  
293 Kelvin Cross Sections

60-Nd-151



60-Nd-151

Incident Energy (MeV)

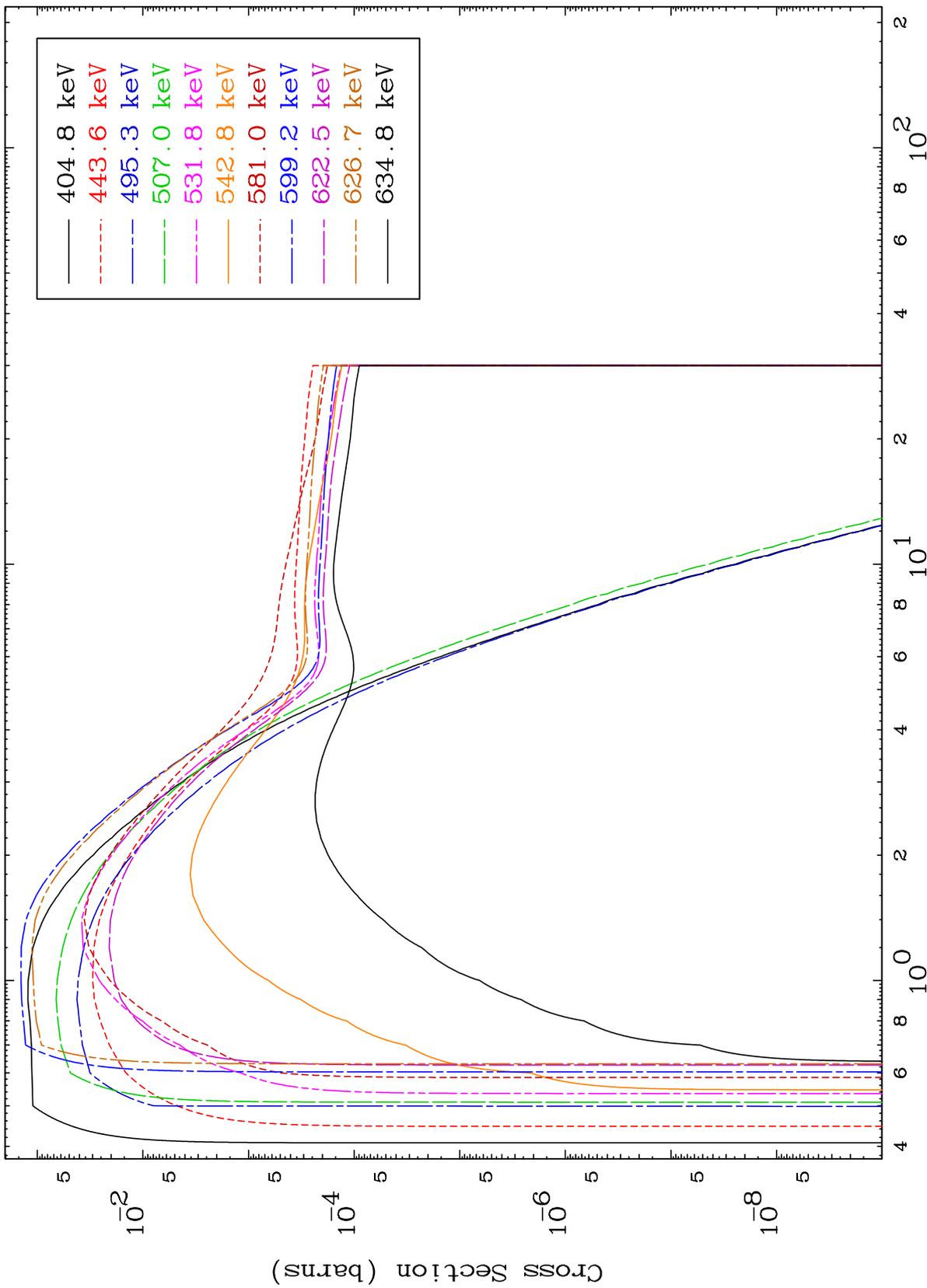
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MAT 6052

(n,n') Level

60-Nd-151

293 Kelvin Cross Sections



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Incident Energy (MeV)

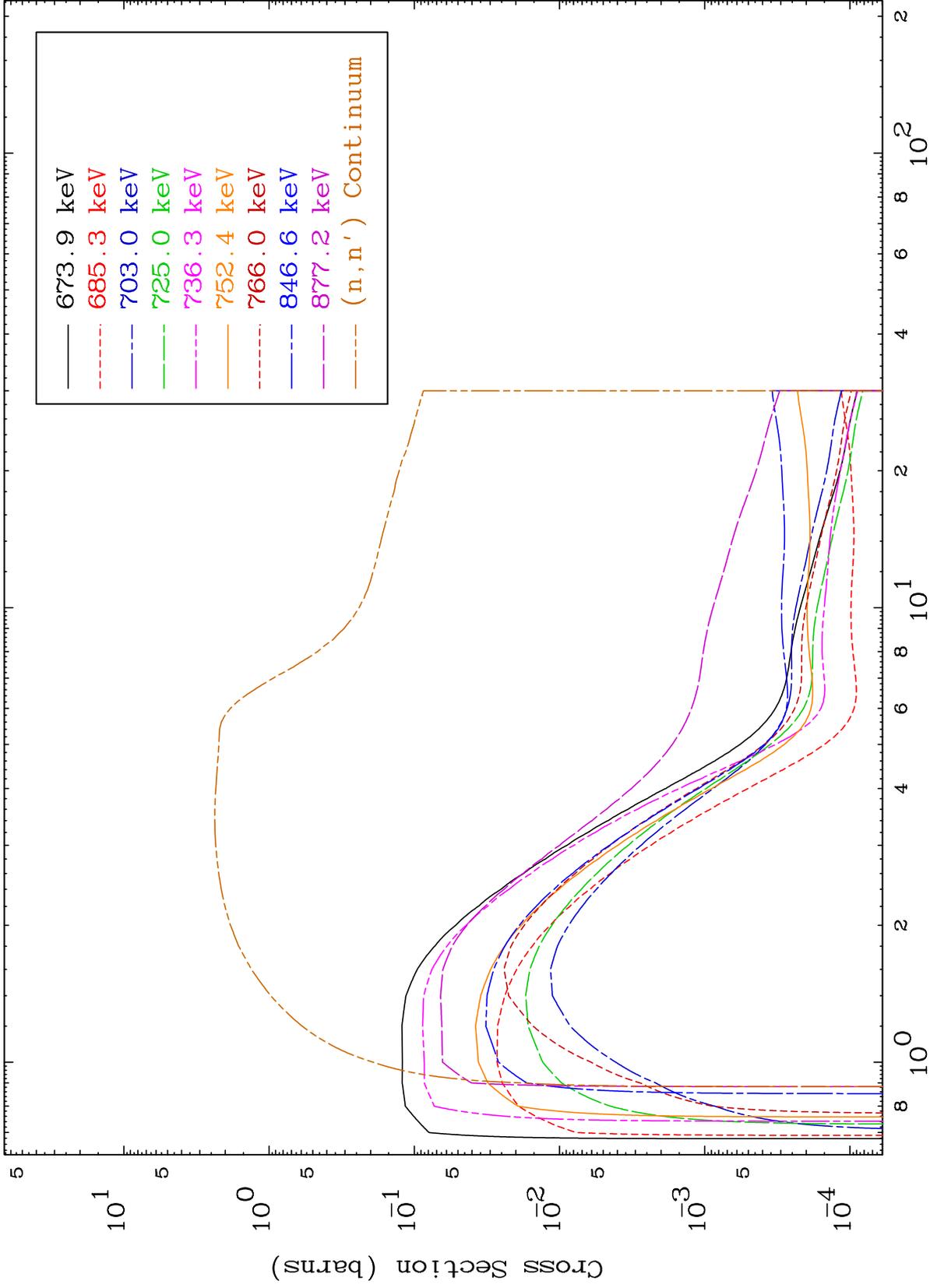
60-Nd-151

MAT 6052

(n,n') Level

60-Nd-151

293 Kelvin Cross Sections



9

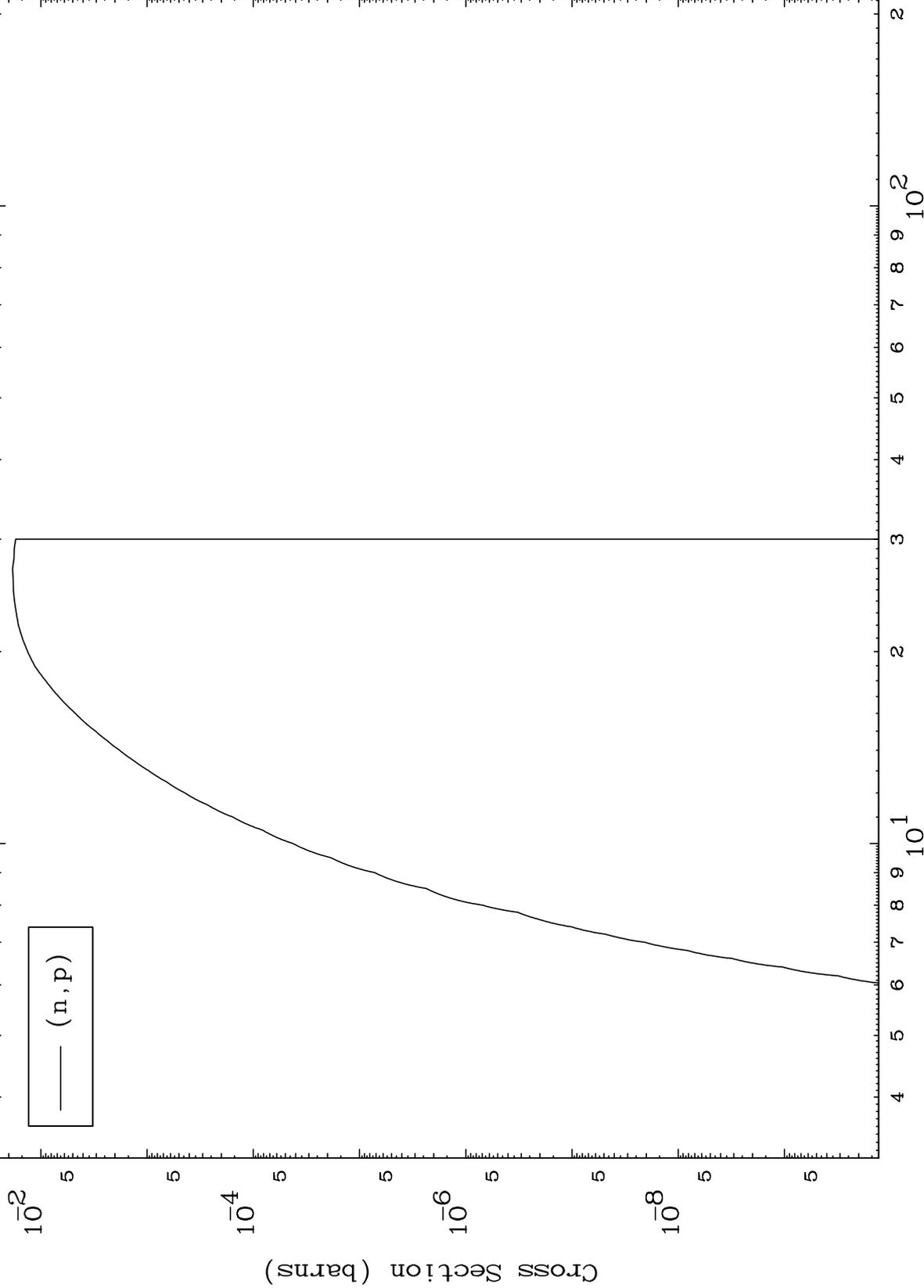
Incident Energy (MeV)

60-Nd-151

MAT 6052

(n,p) Levels  
293 Kelvin Cross Sections

60-Nd-151



(n,p)

60-Nd-151

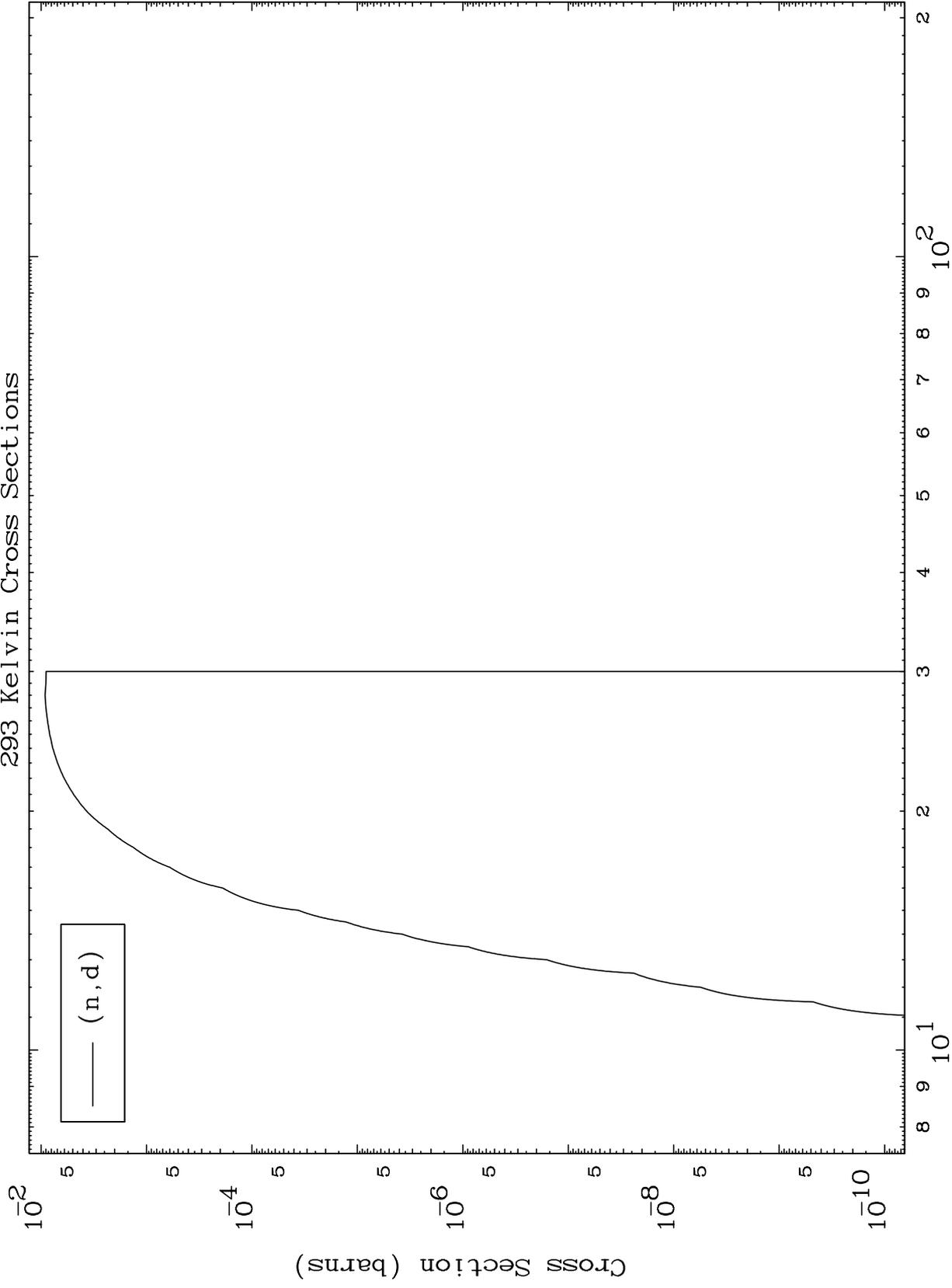
Incident Energy (MeV)

10

MAT 6052

(n,d) Levels  
293 Kelvin Cross Sections

60-Nd-151



11

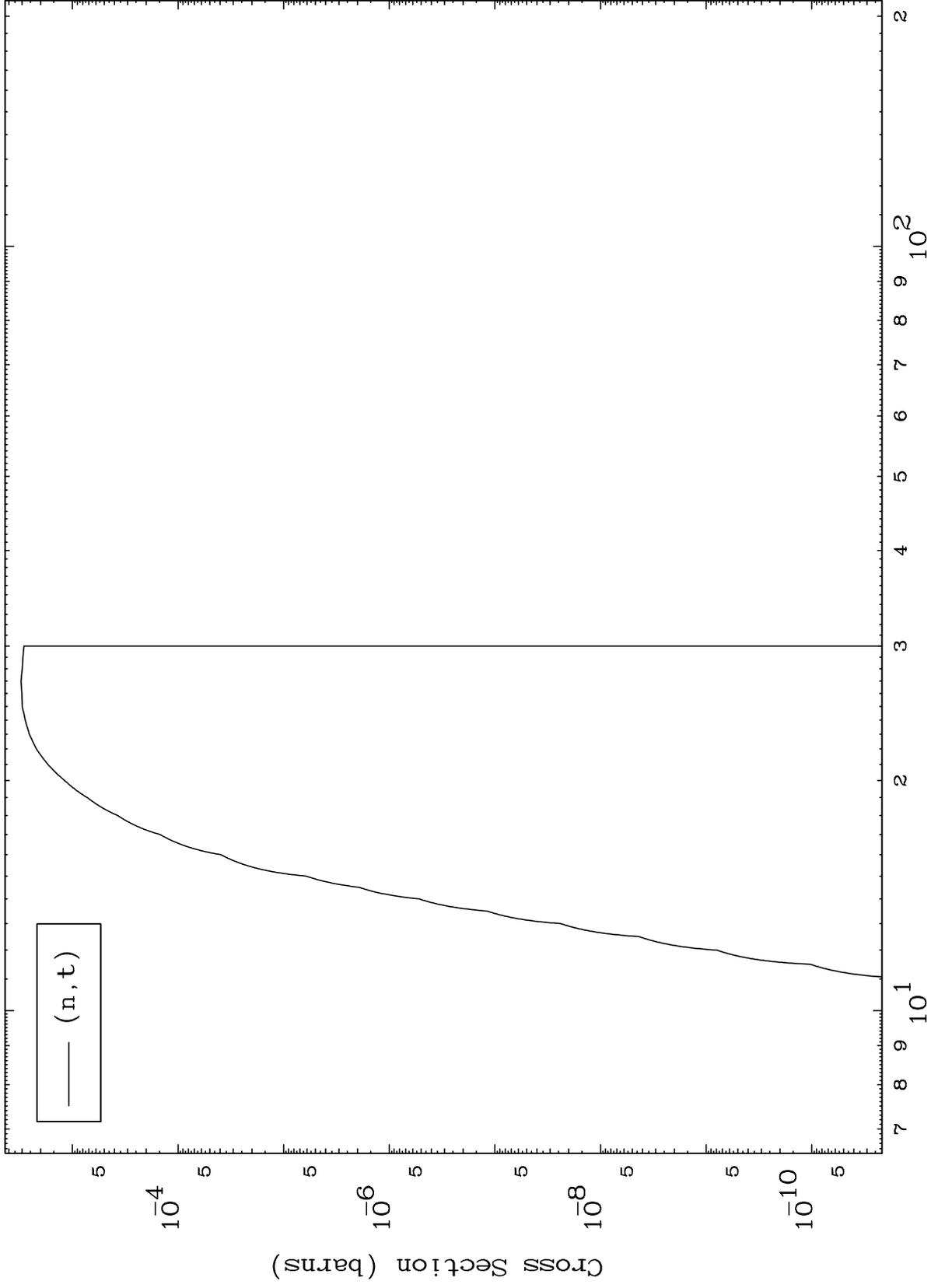
Incident Energy (MeV)

60-Nd-151

MAT 6052

(n,t) Levels  
293 Kelvin Cross Sections

60-Nd-151



12

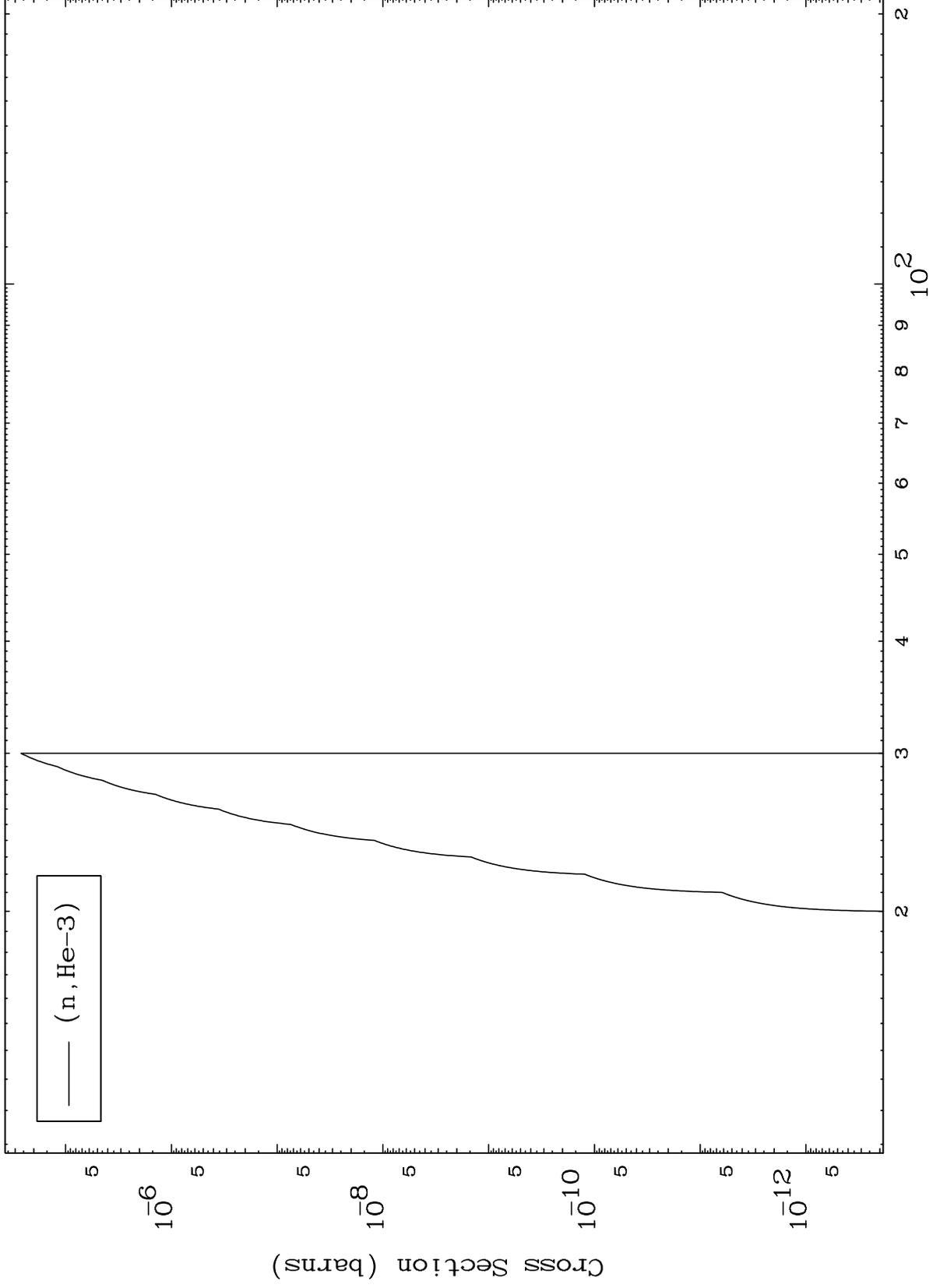
Incident Energy (MeV)

60-Nd-151

MAT 6052

(n,He3) Levels  
293 Kelvin Cross Sections

60-Nd-151



13

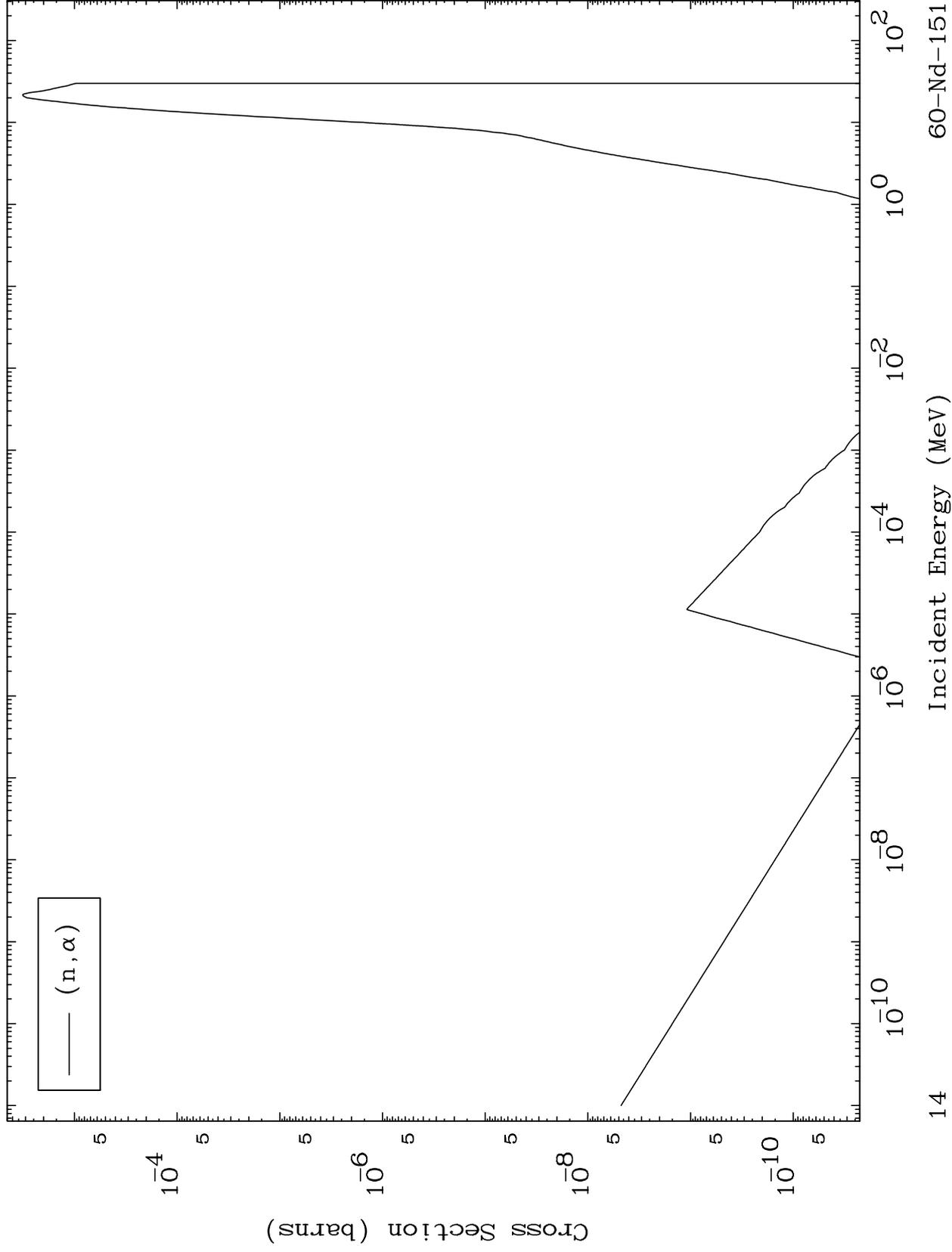
Incident Energy (MeV)

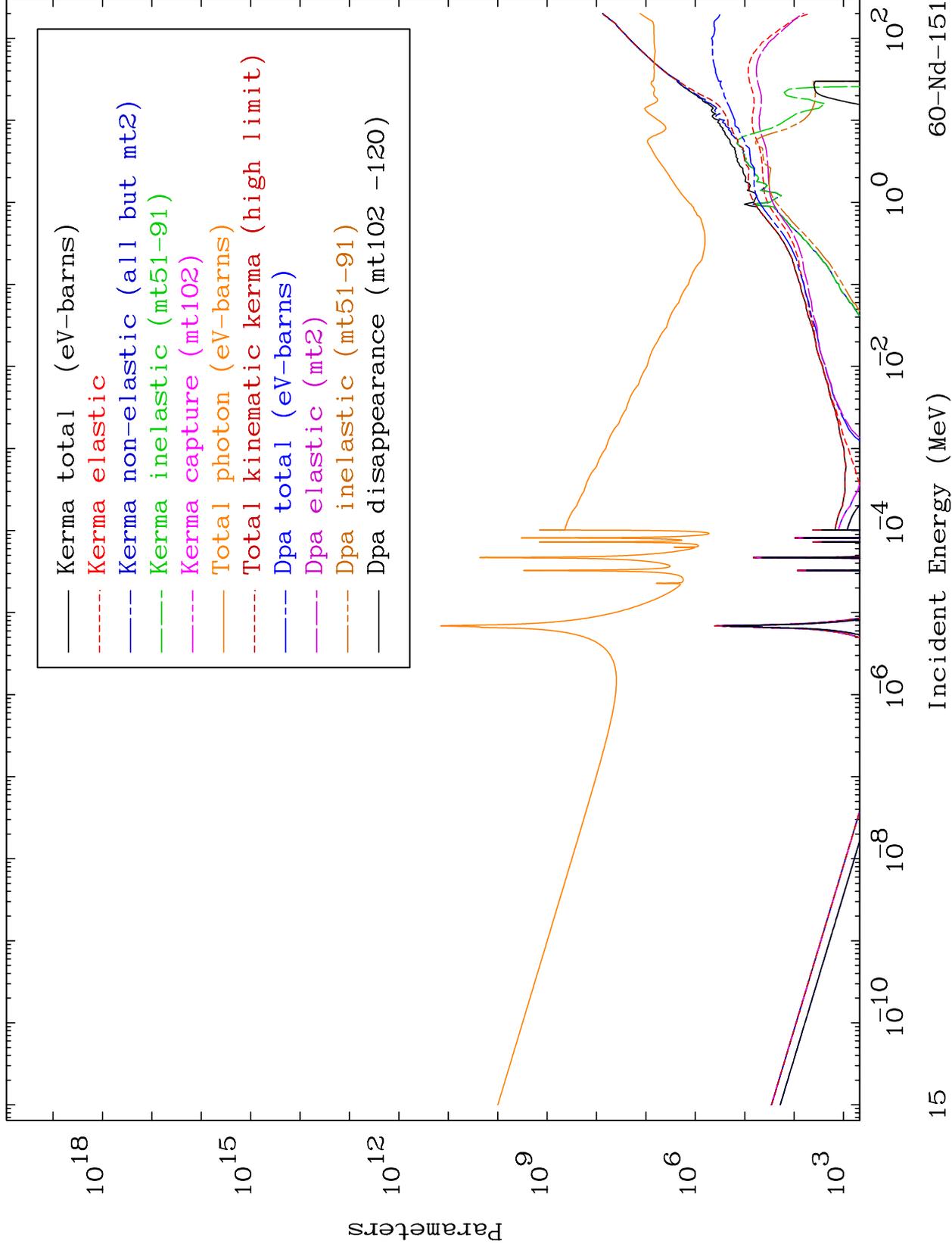
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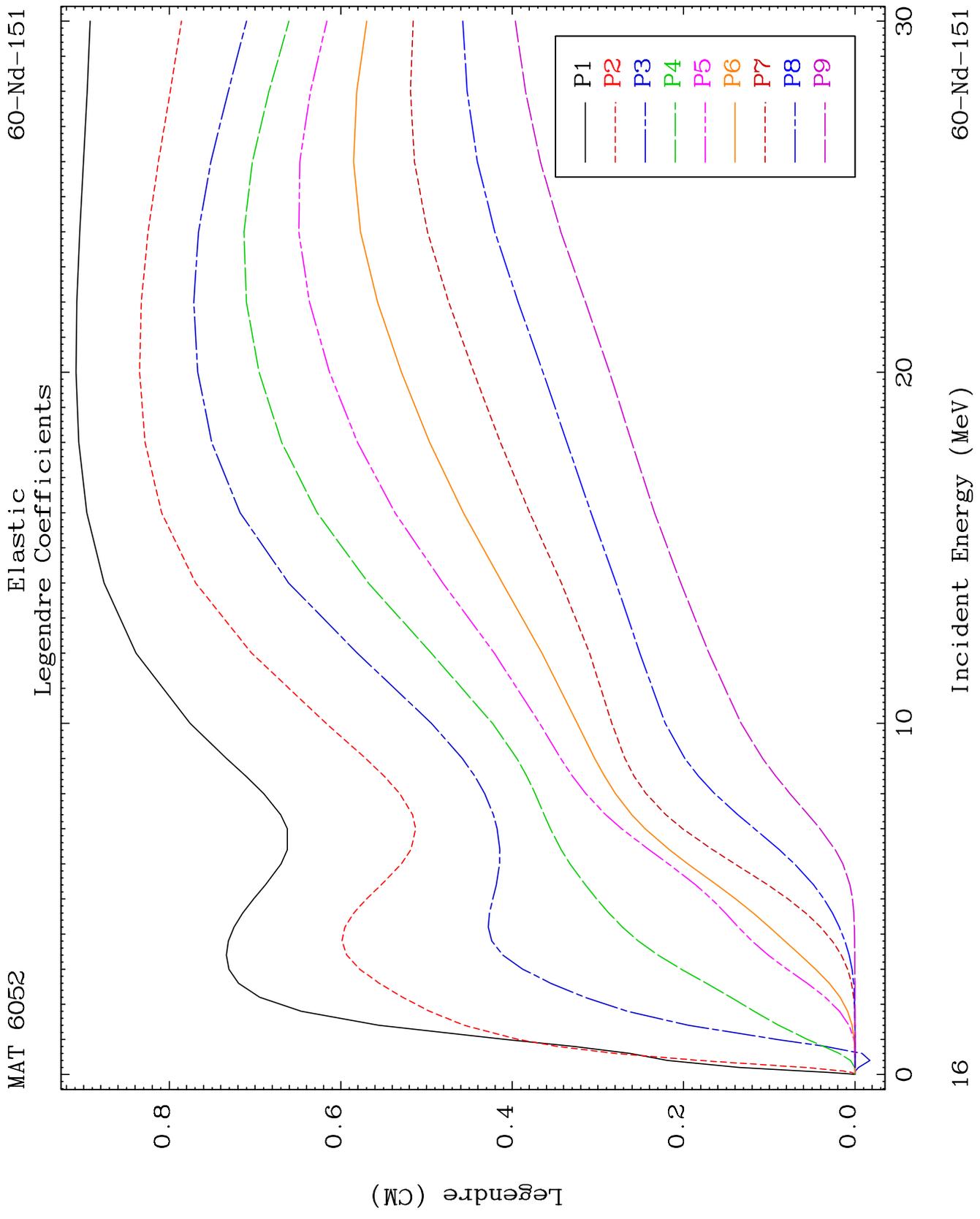
MAT 6052

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

60-Nd-151



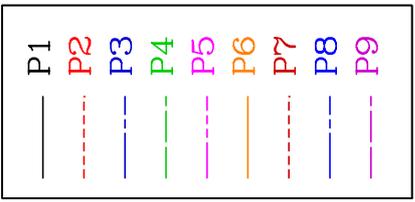




MAT 6052

Elastic Legendre Coefficients

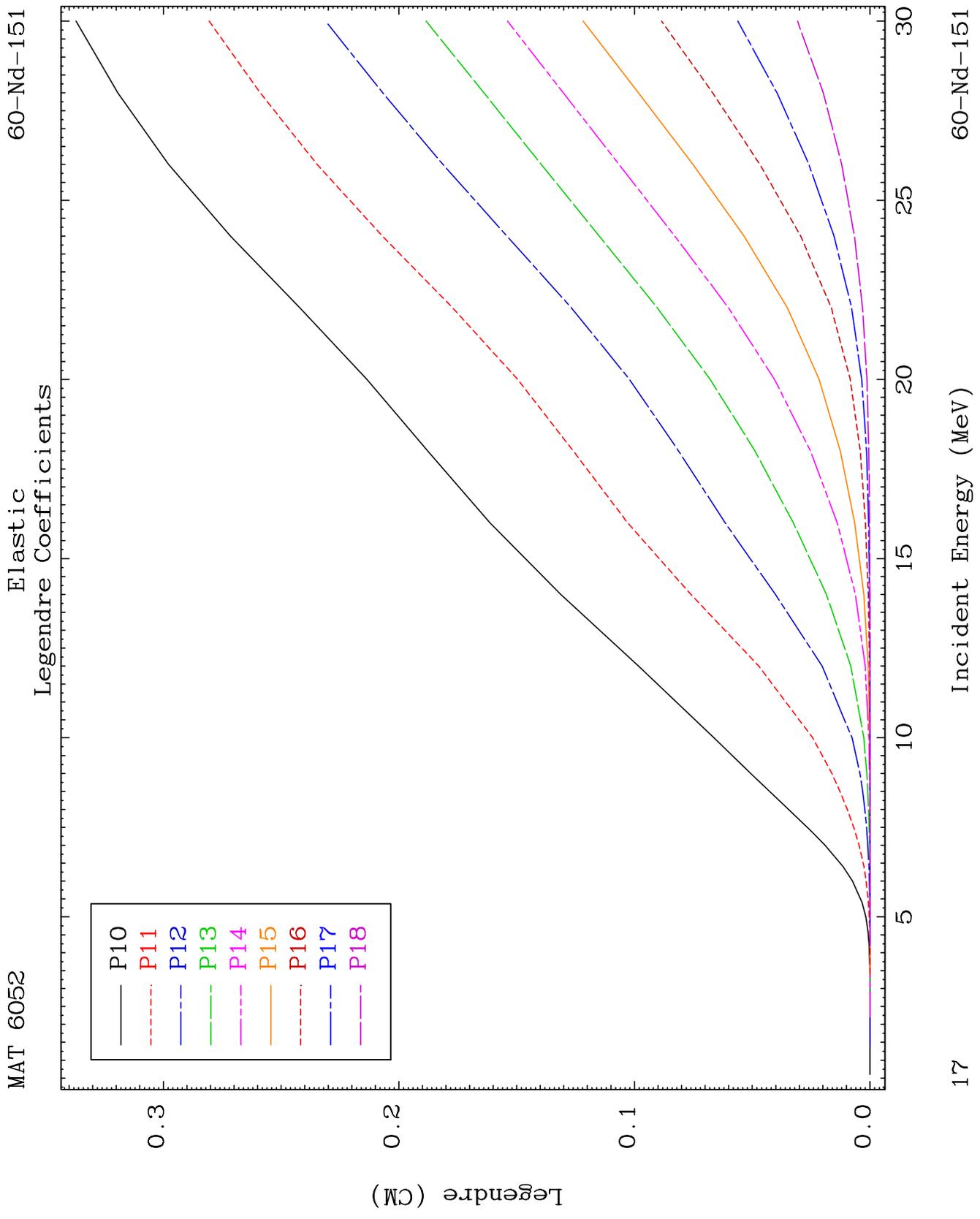
$^{60}\text{Nd-151}$



16

Incident Energy (MeV)

$^{60}\text{Nd-151}$

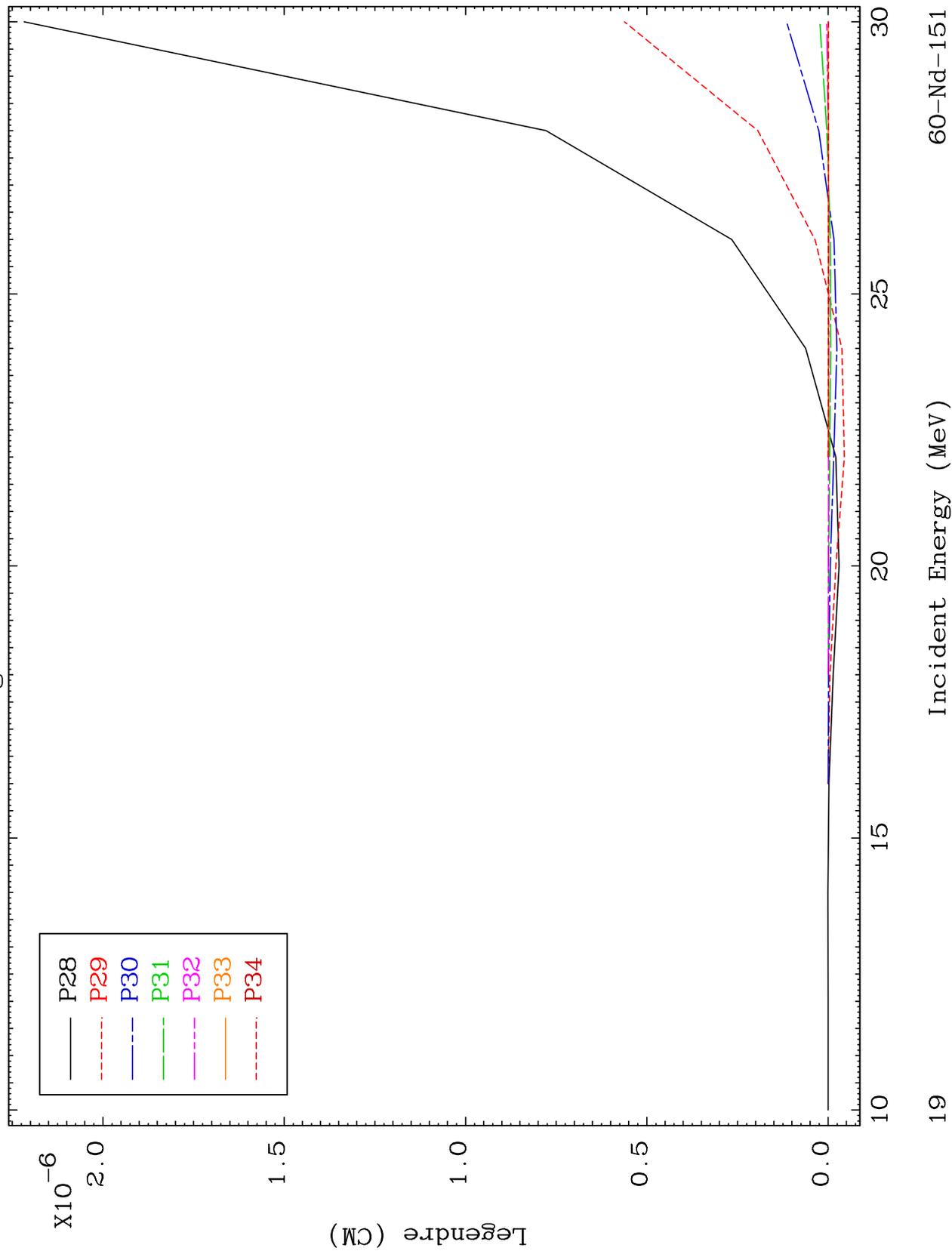




MAT 6052

### Elastic Legendre Coefficients

60-Nd-151



19

Incident Energy (MeV)

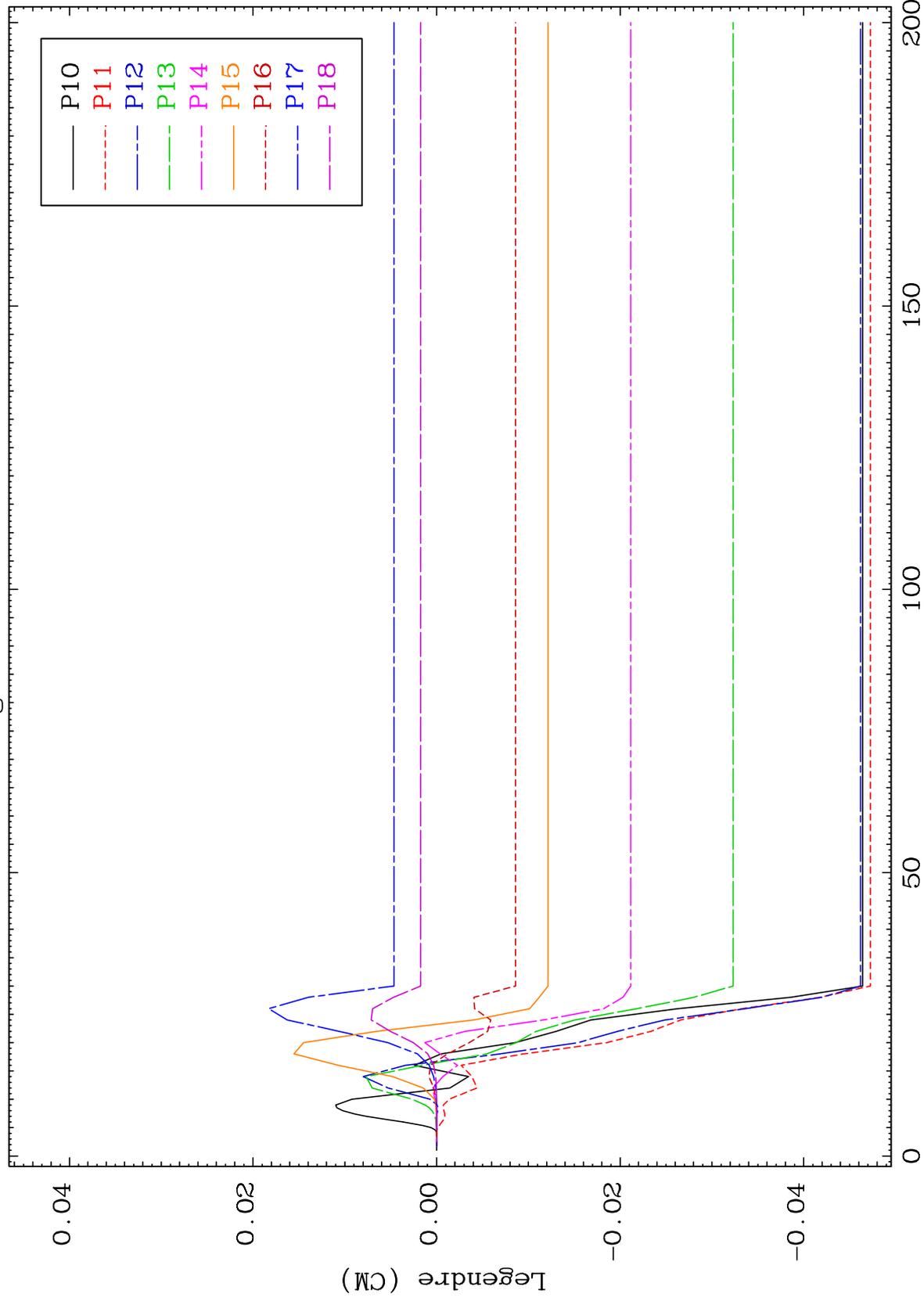
60-Nd-151



MAT 6052

22.45 keV (n,n') Level  
Legendre Coefficients

60-Nd-151



21

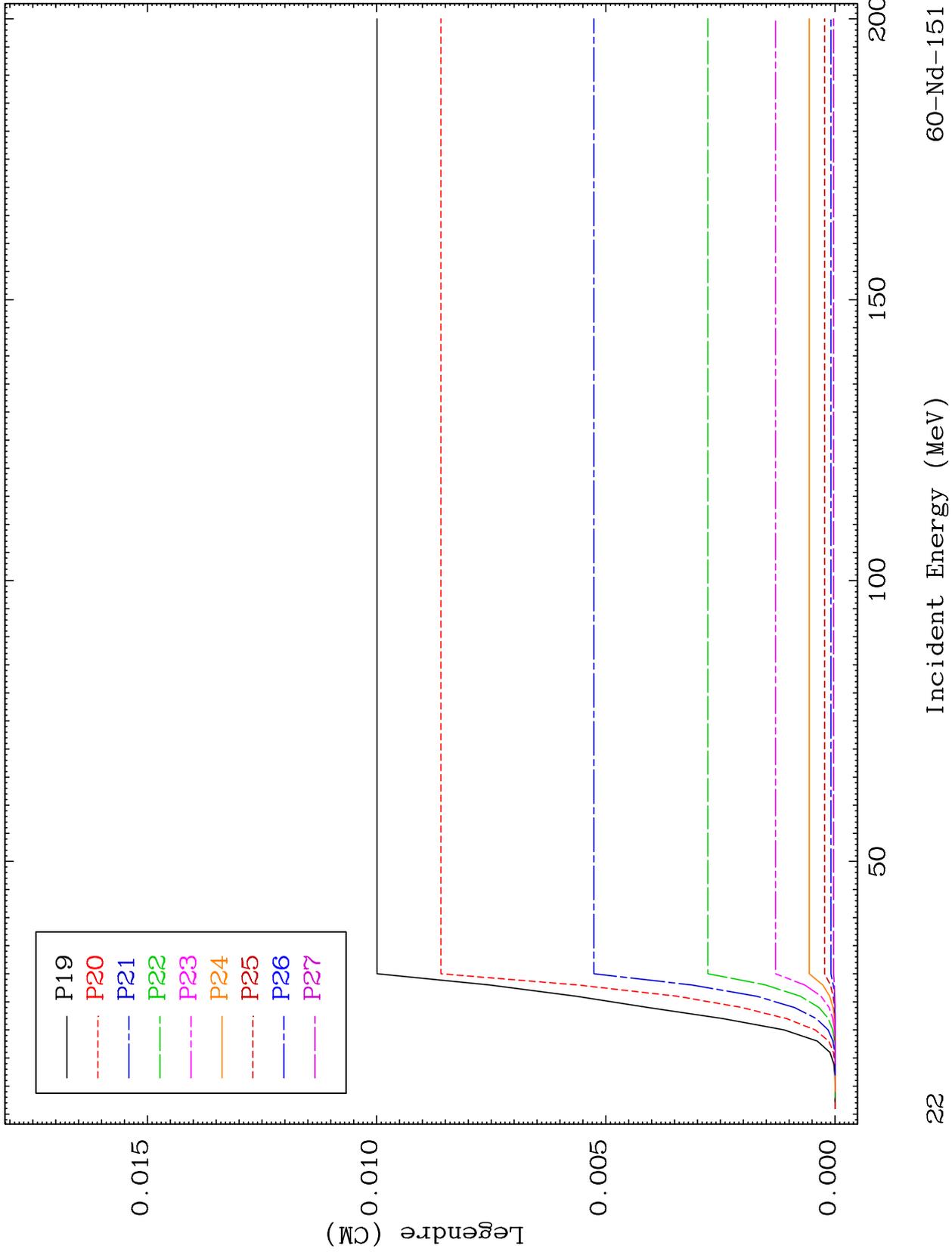
Incident Energy (MeV)

60-Nd-151

MAT 6052

22.45 keV (n,n') Level  
Legendre Coefficients

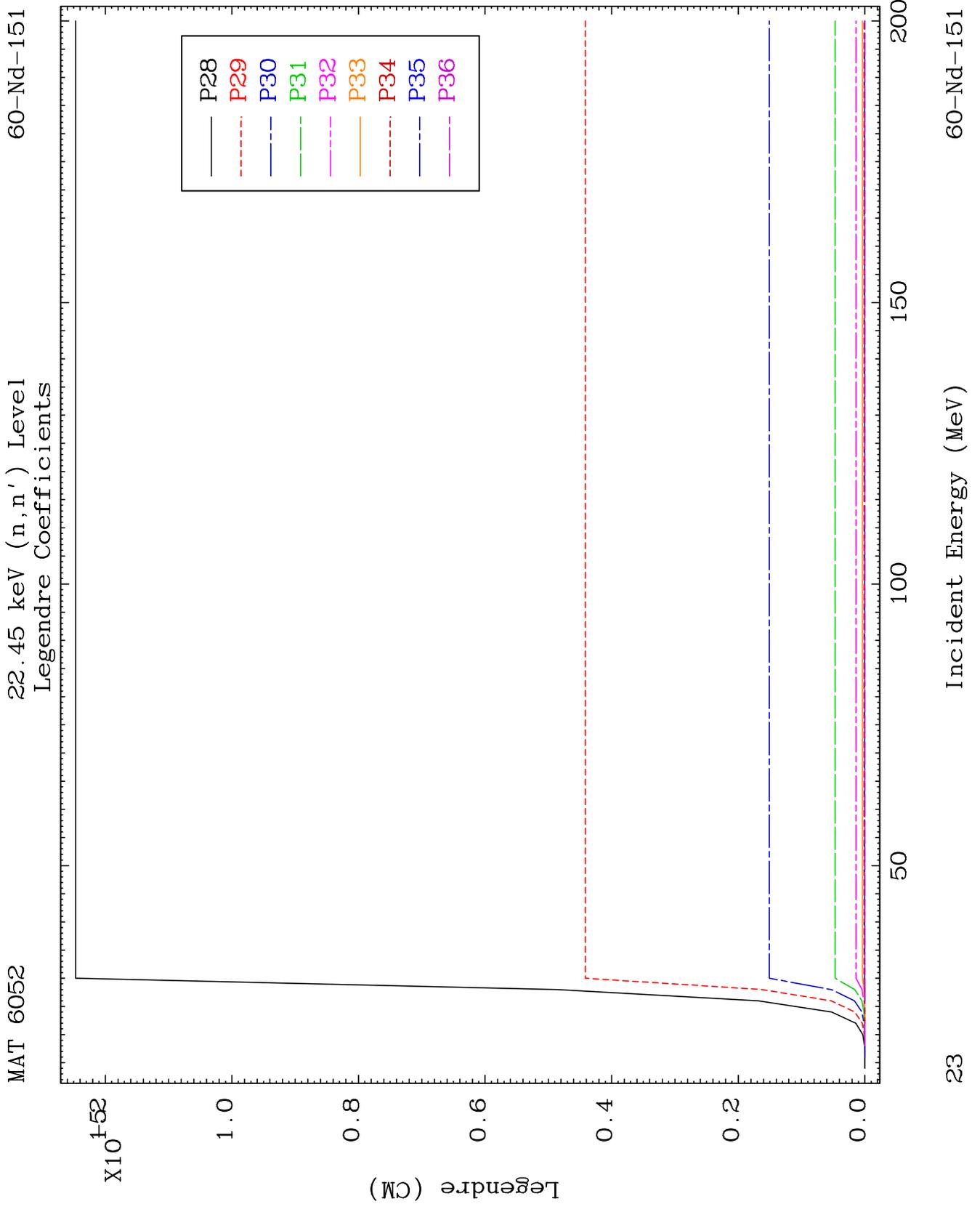
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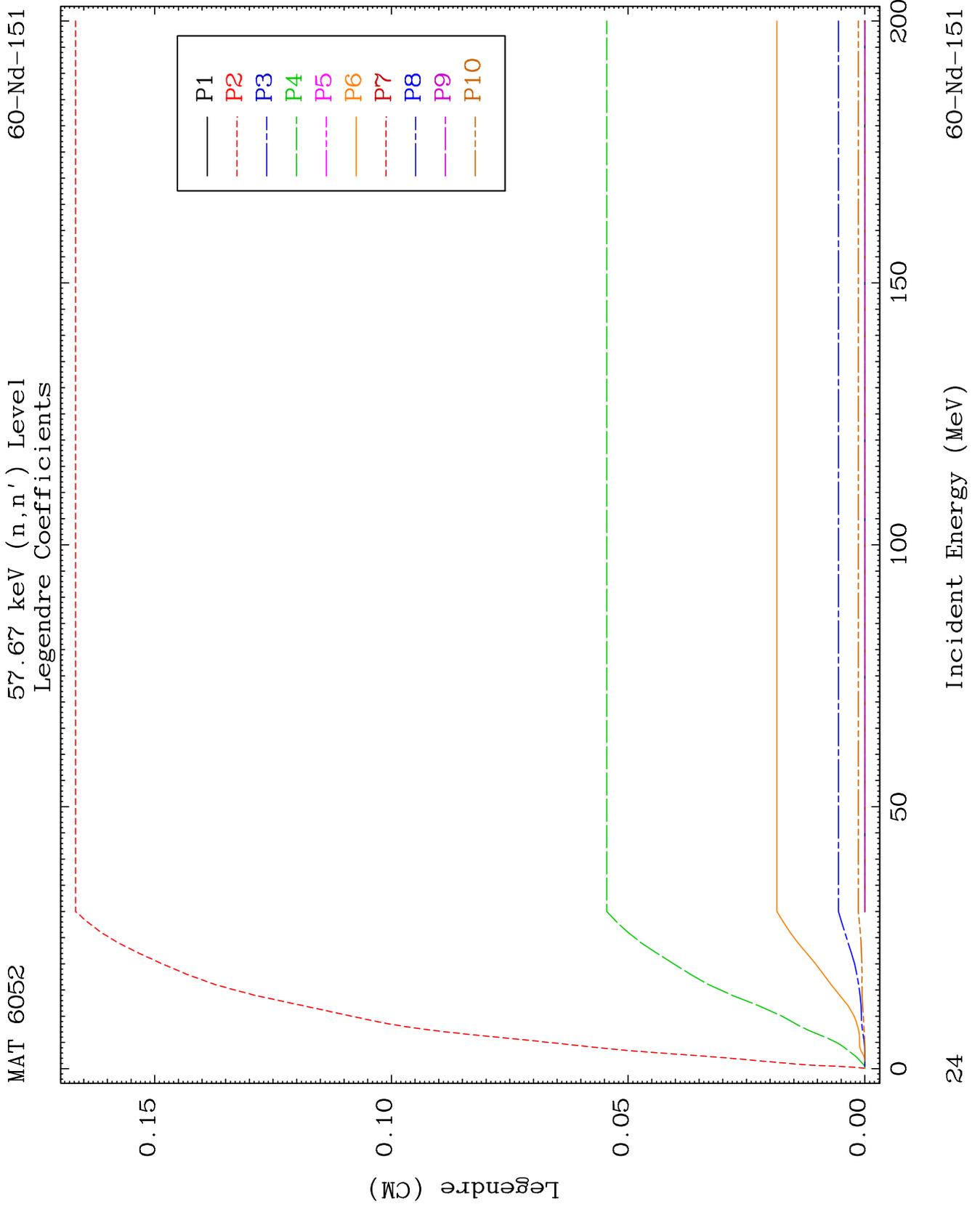


22

Incident Energy (MeV)

60-Nd-151

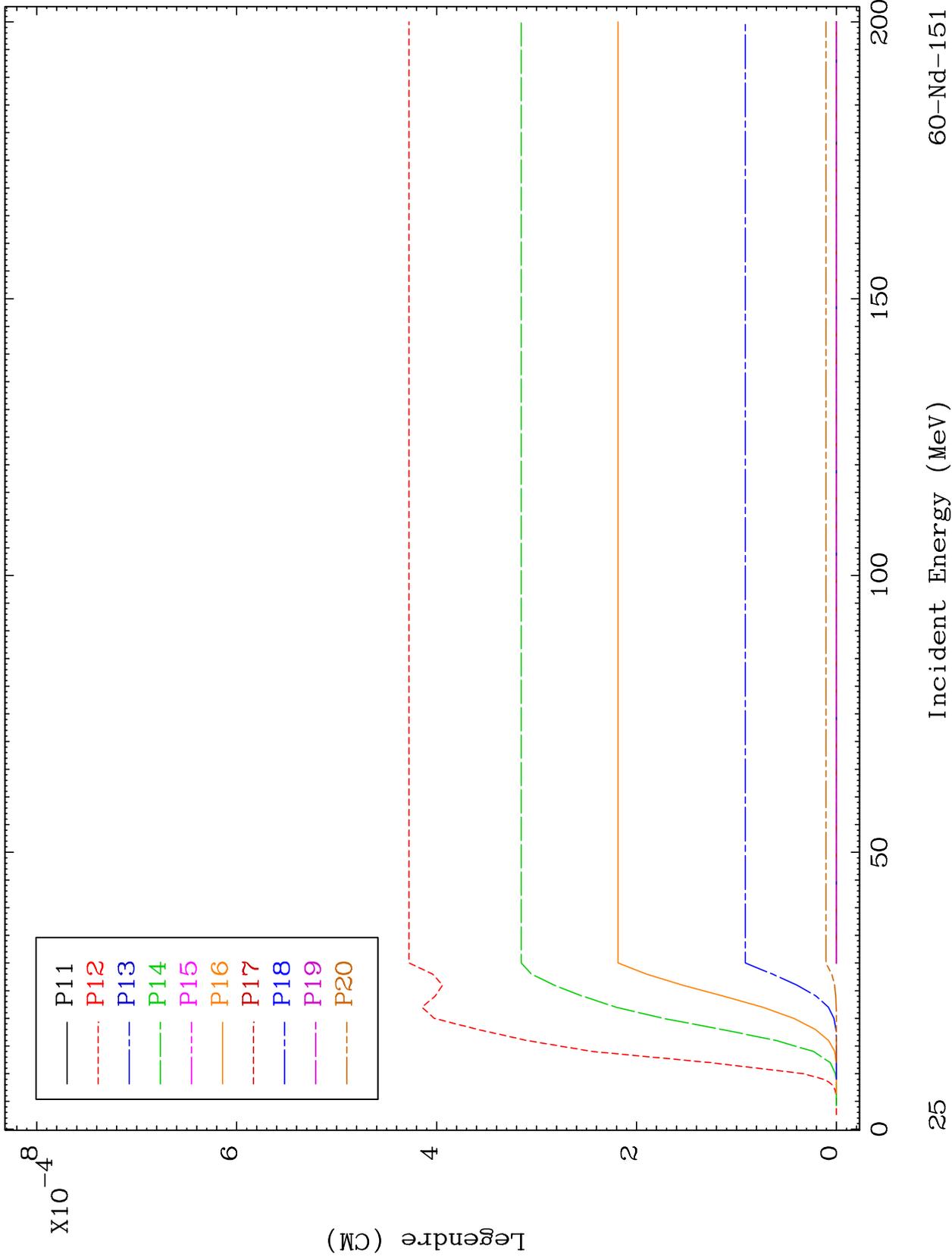




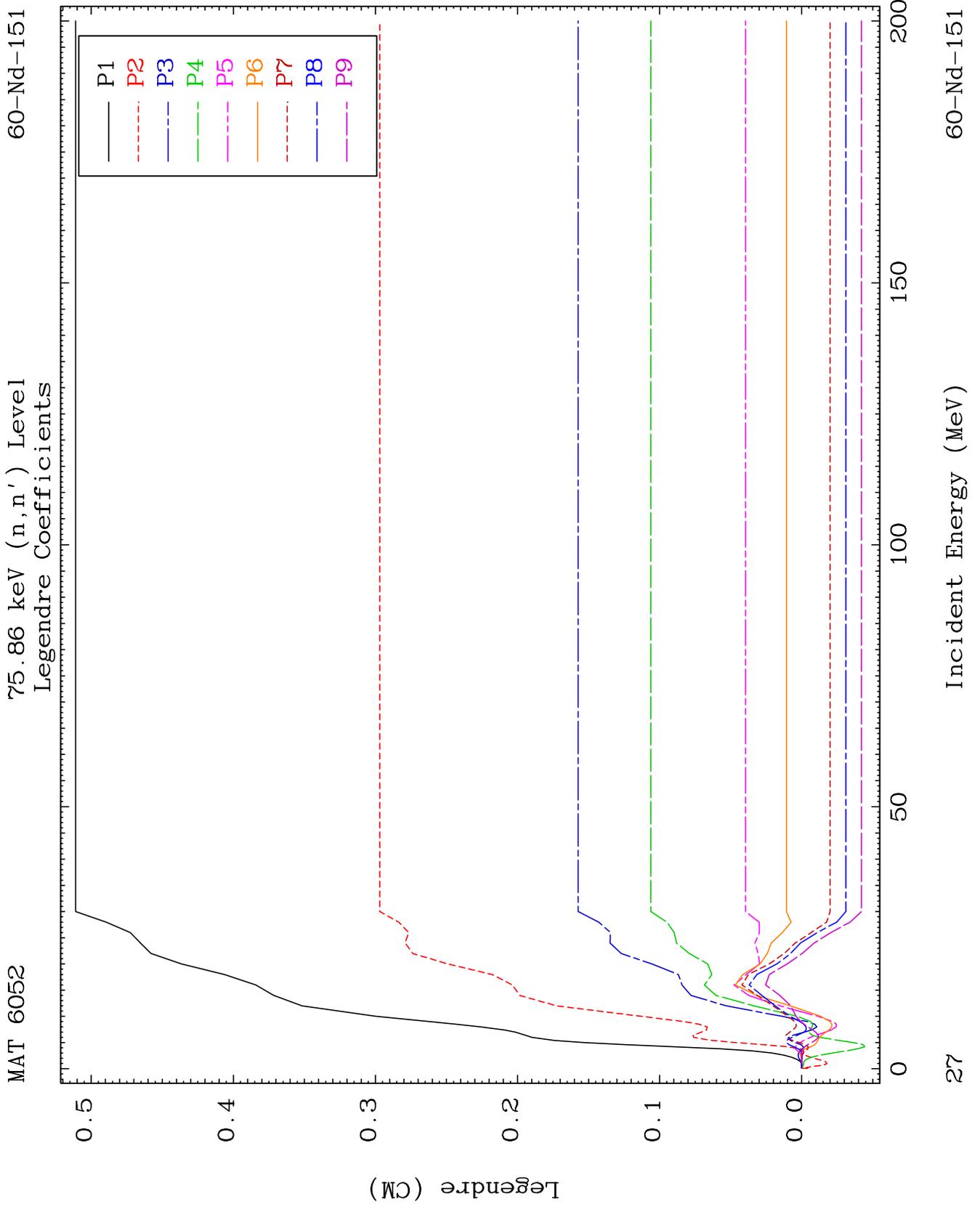
MAT 6052

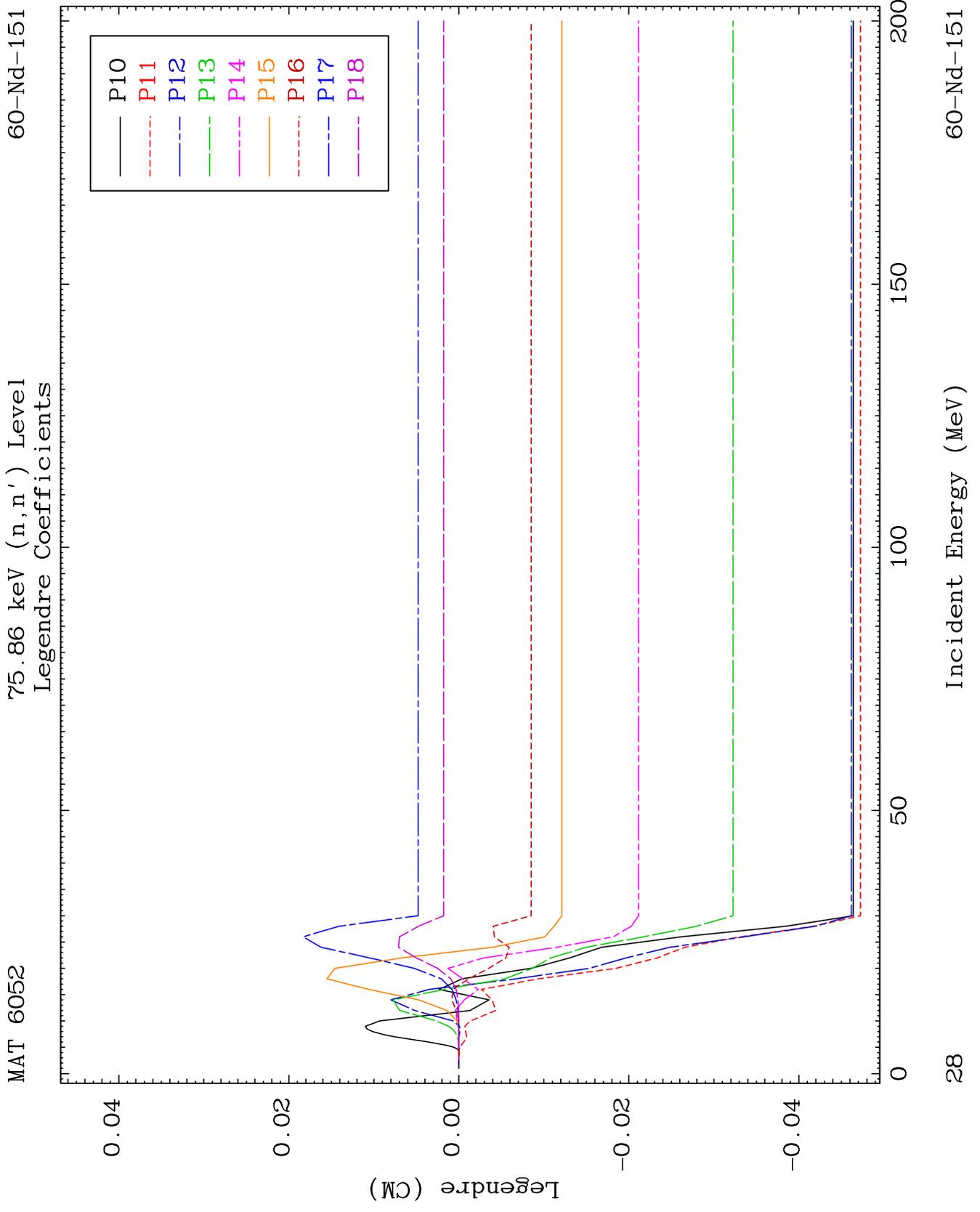
57.67 keV (n,n') Level  
Legendre Coefficients

60-Nd-151





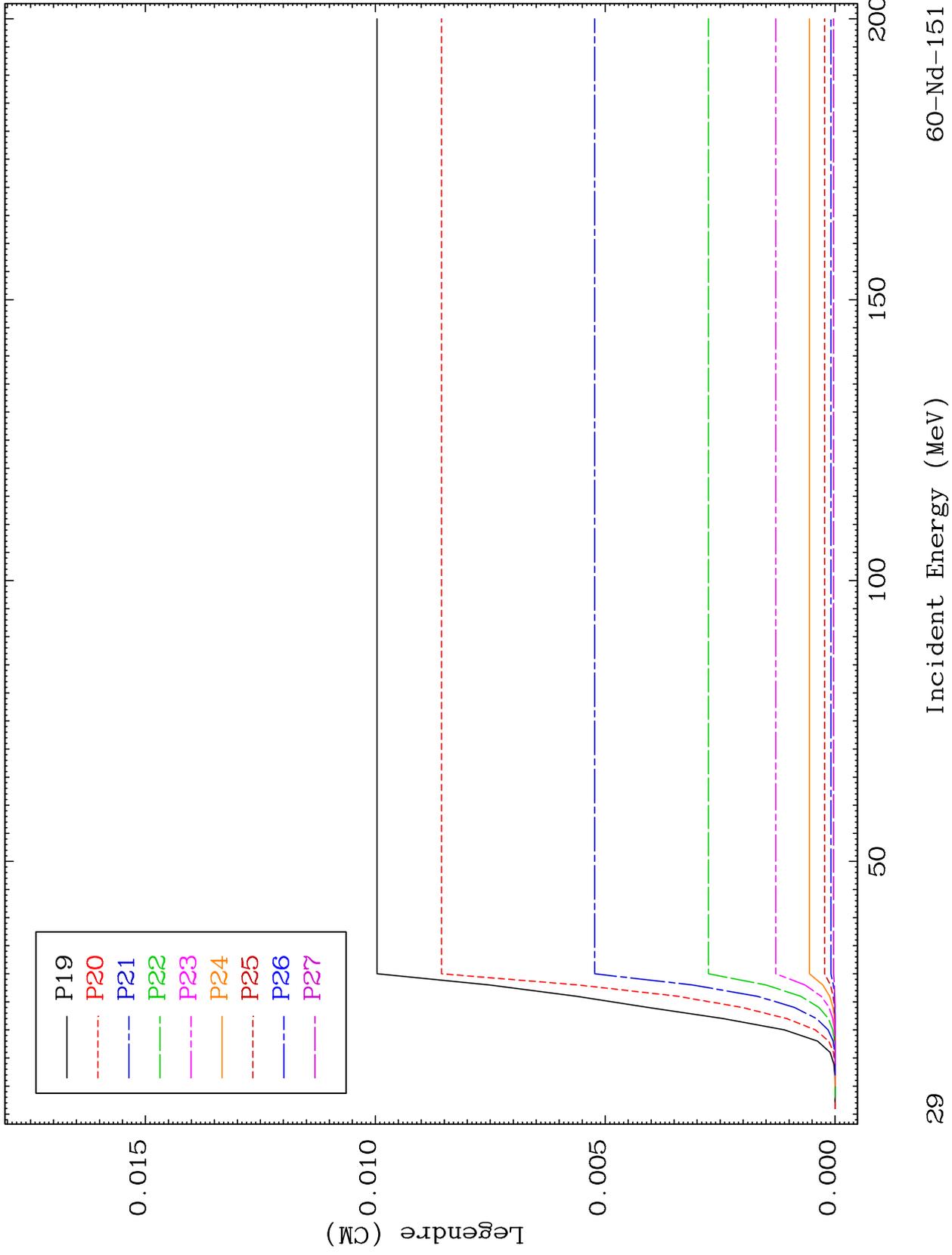




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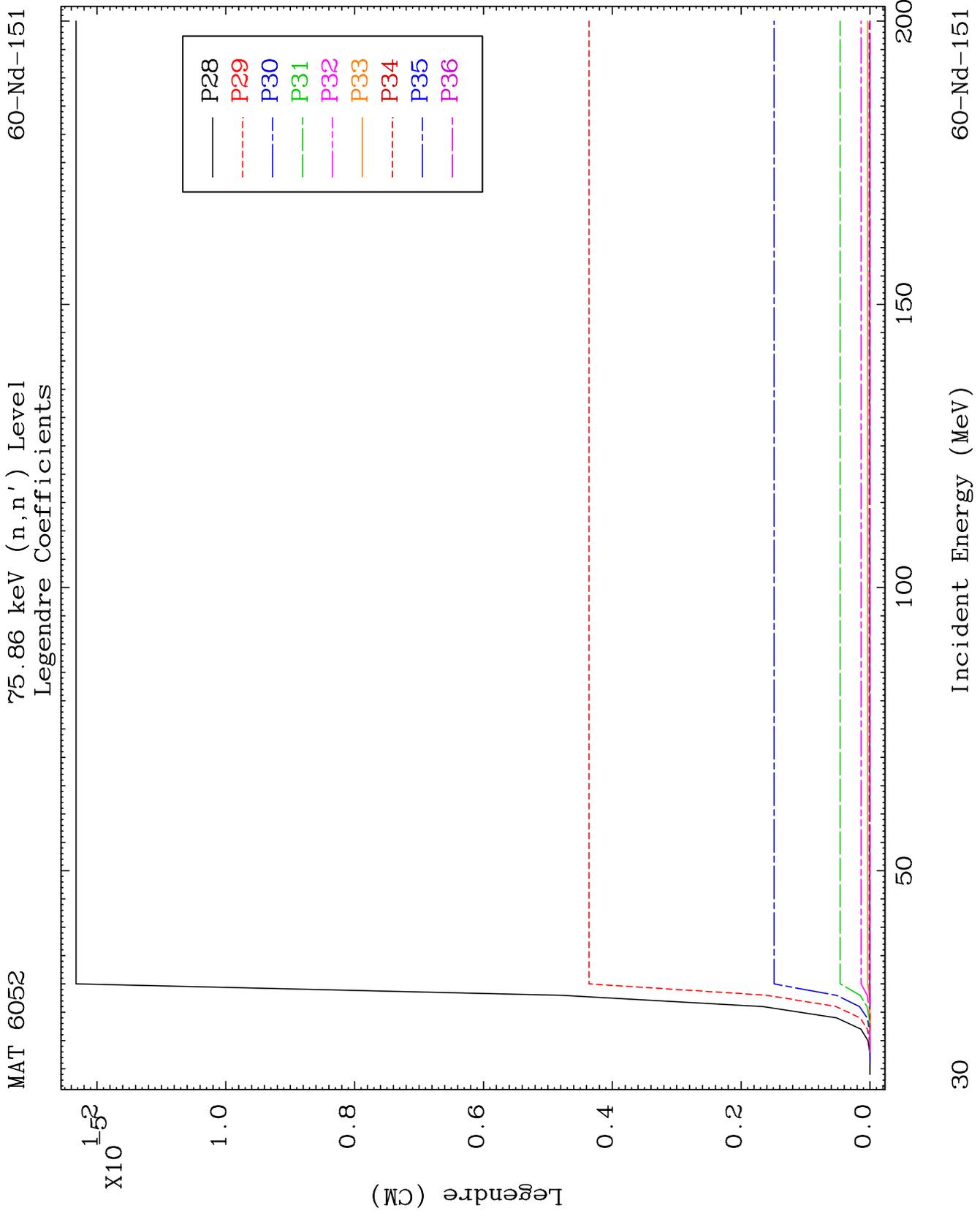
75.86 keV (n,n') Level  
Legendre Coefficients

60-Nd-151



29

200

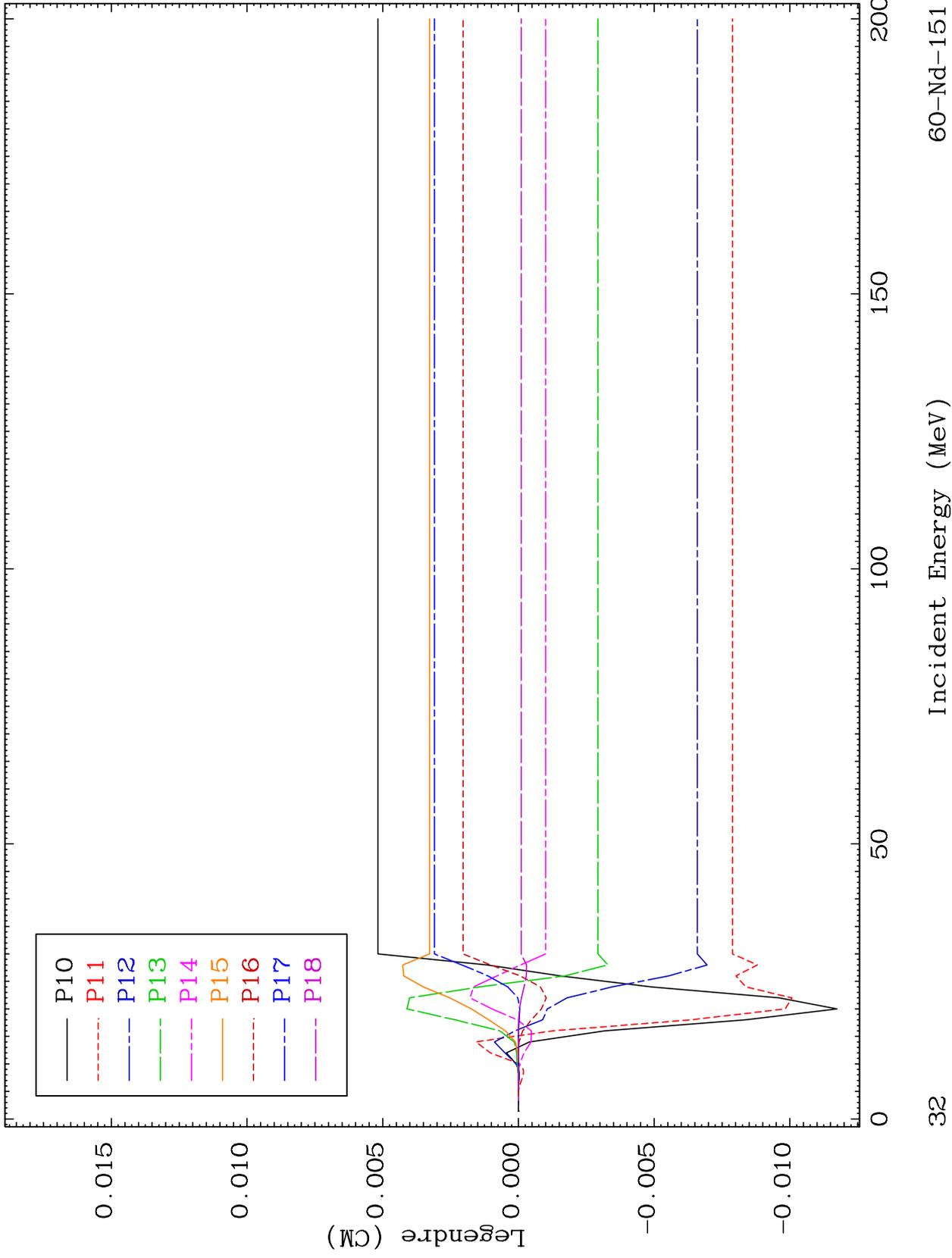




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95.90 keV (n,n') Level  
Legendre Coefficients

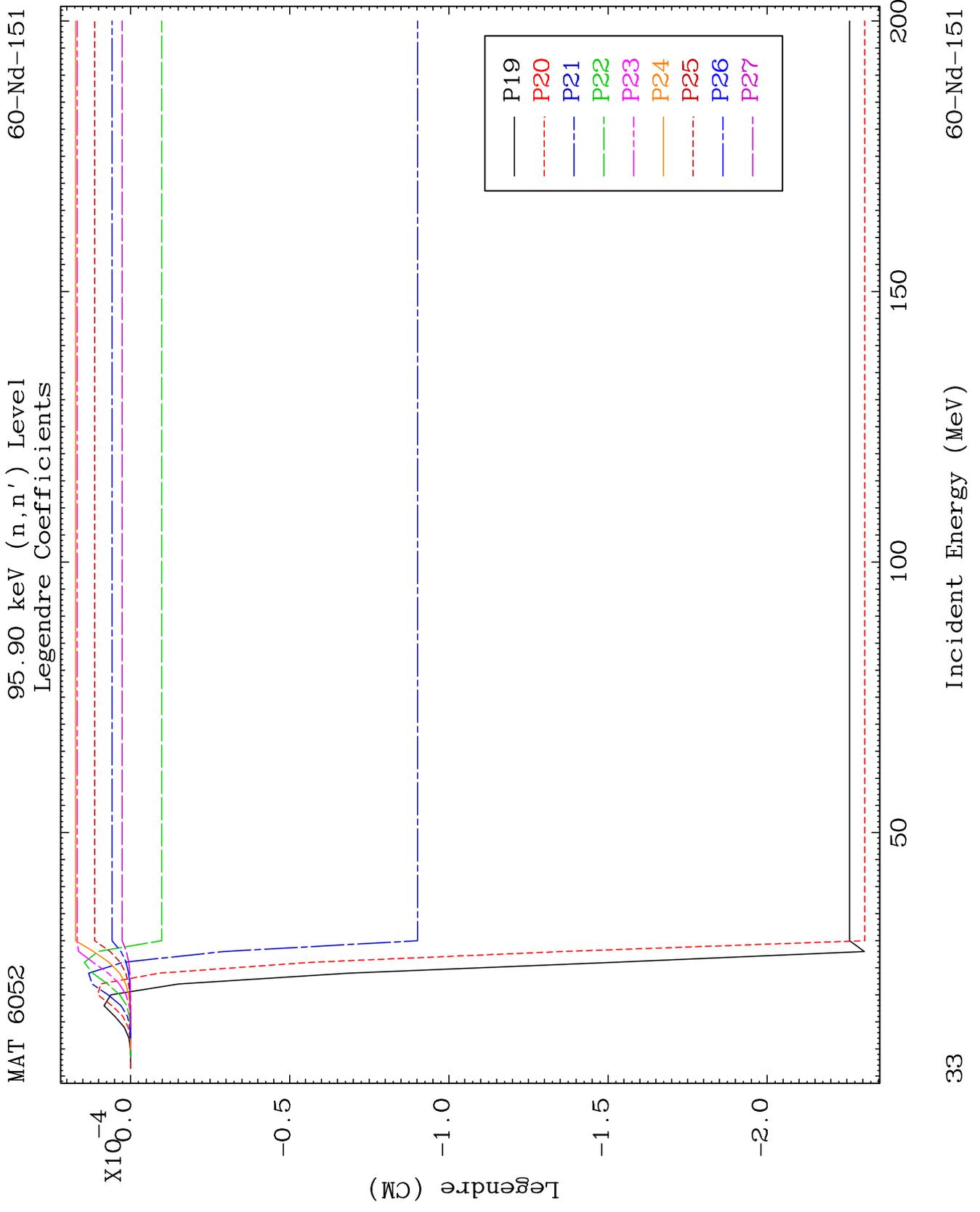
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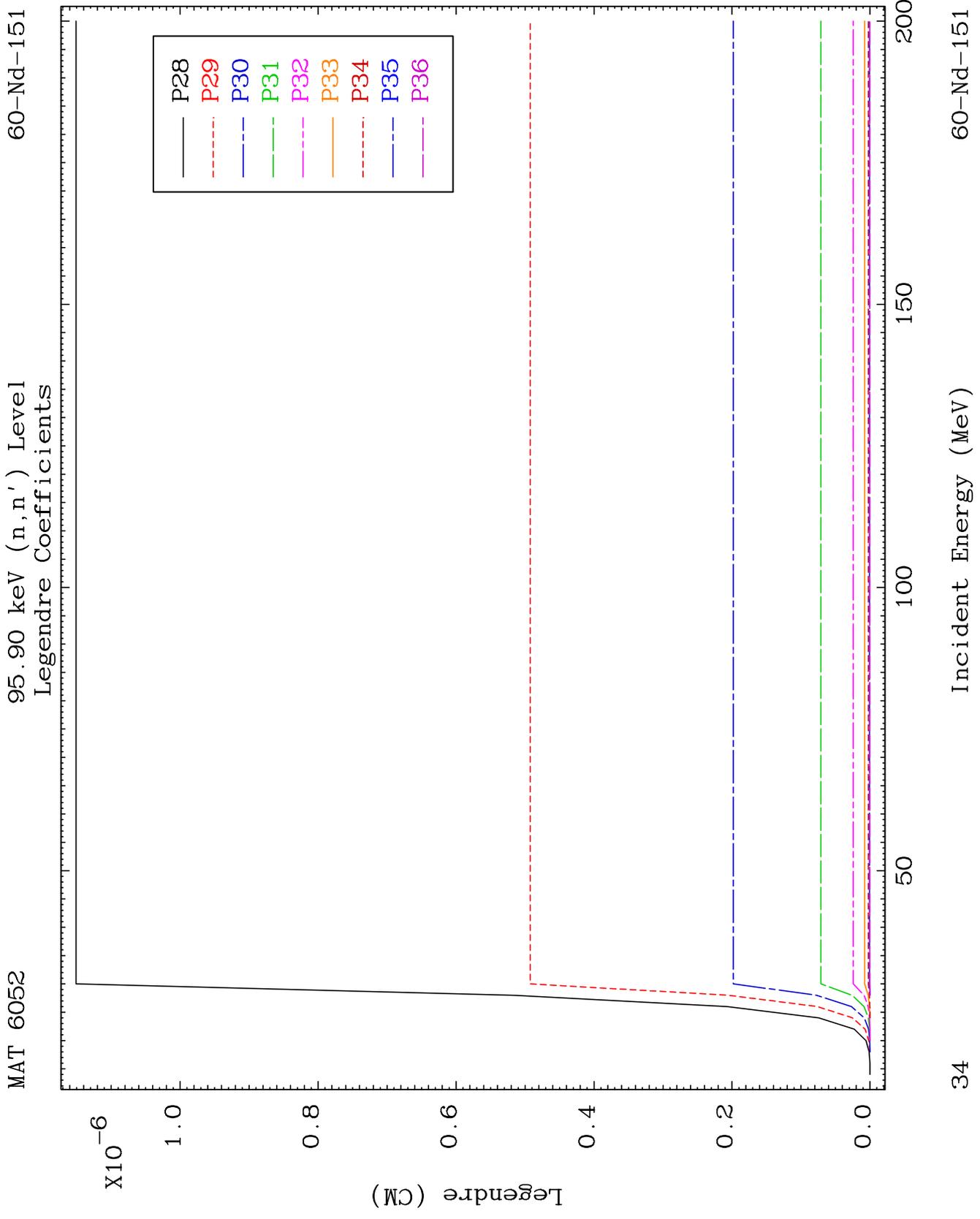


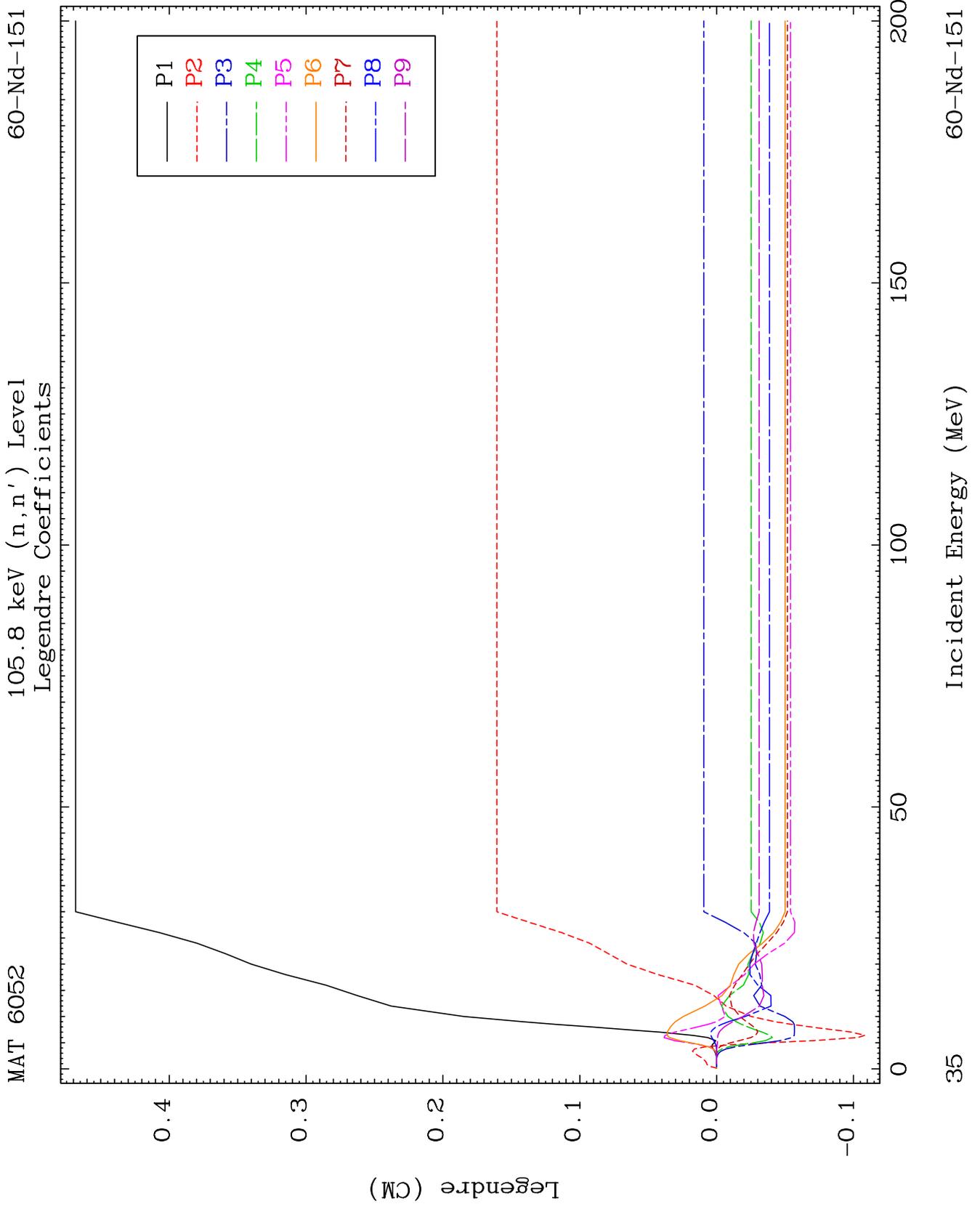
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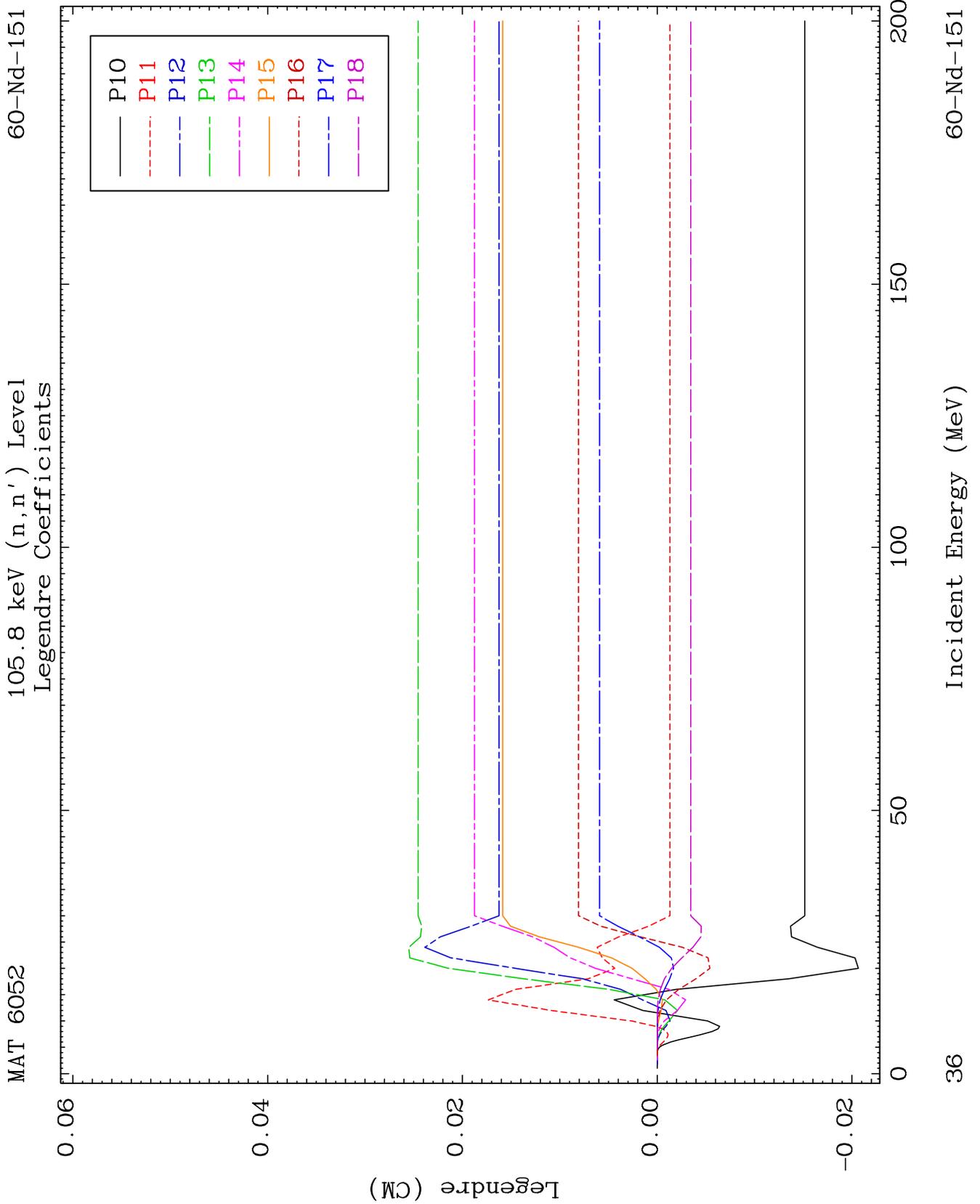
Incident Energy (MeV)

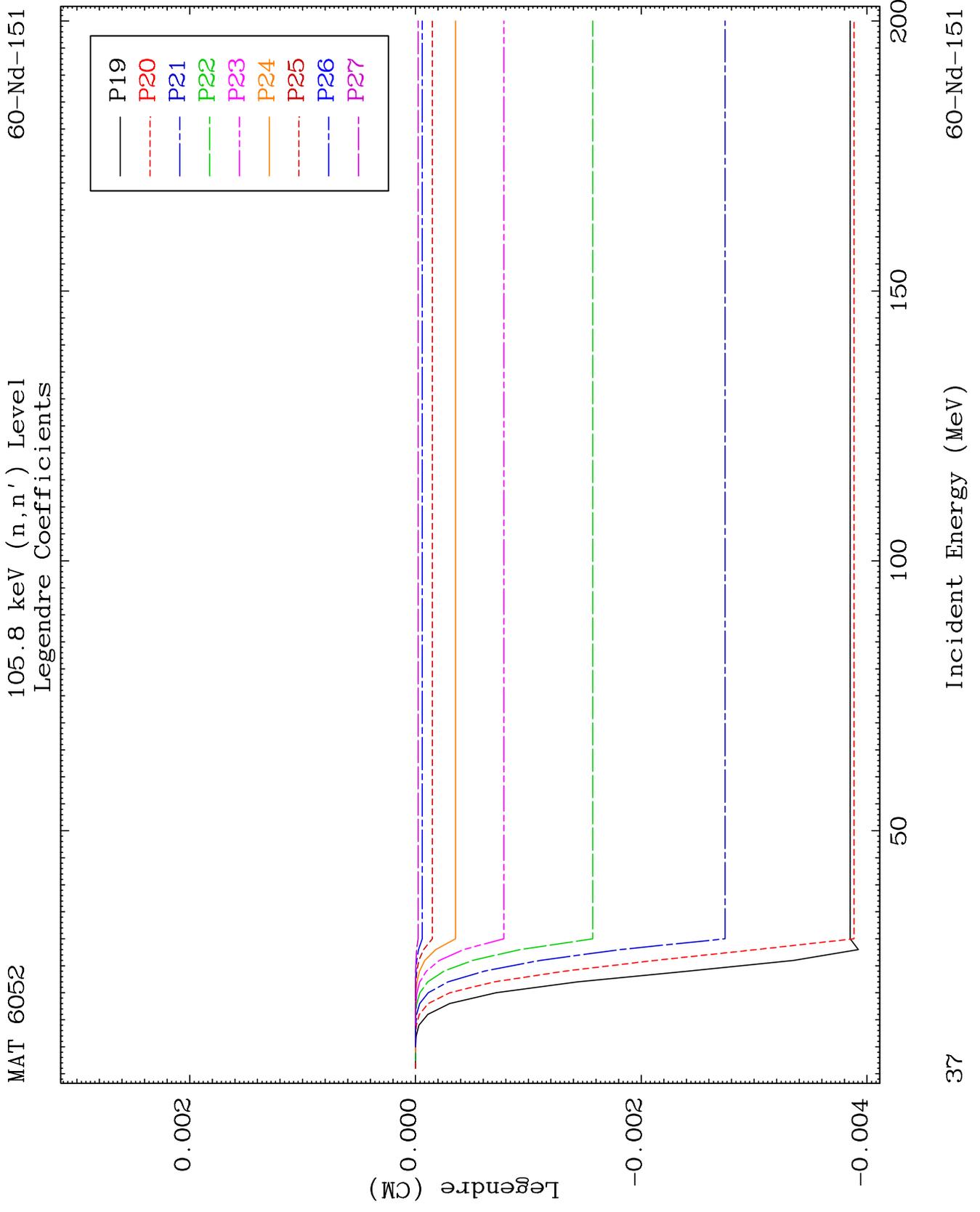
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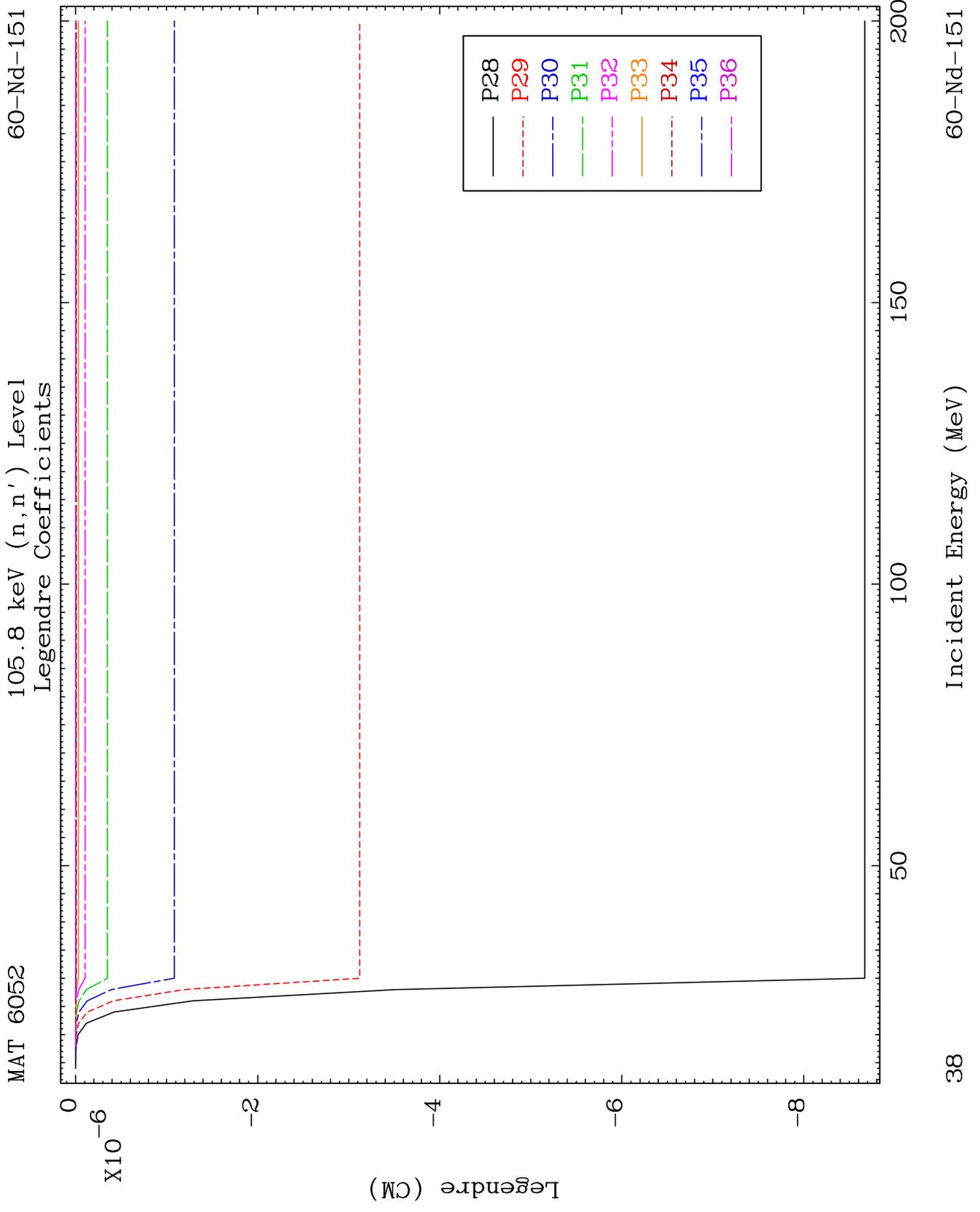








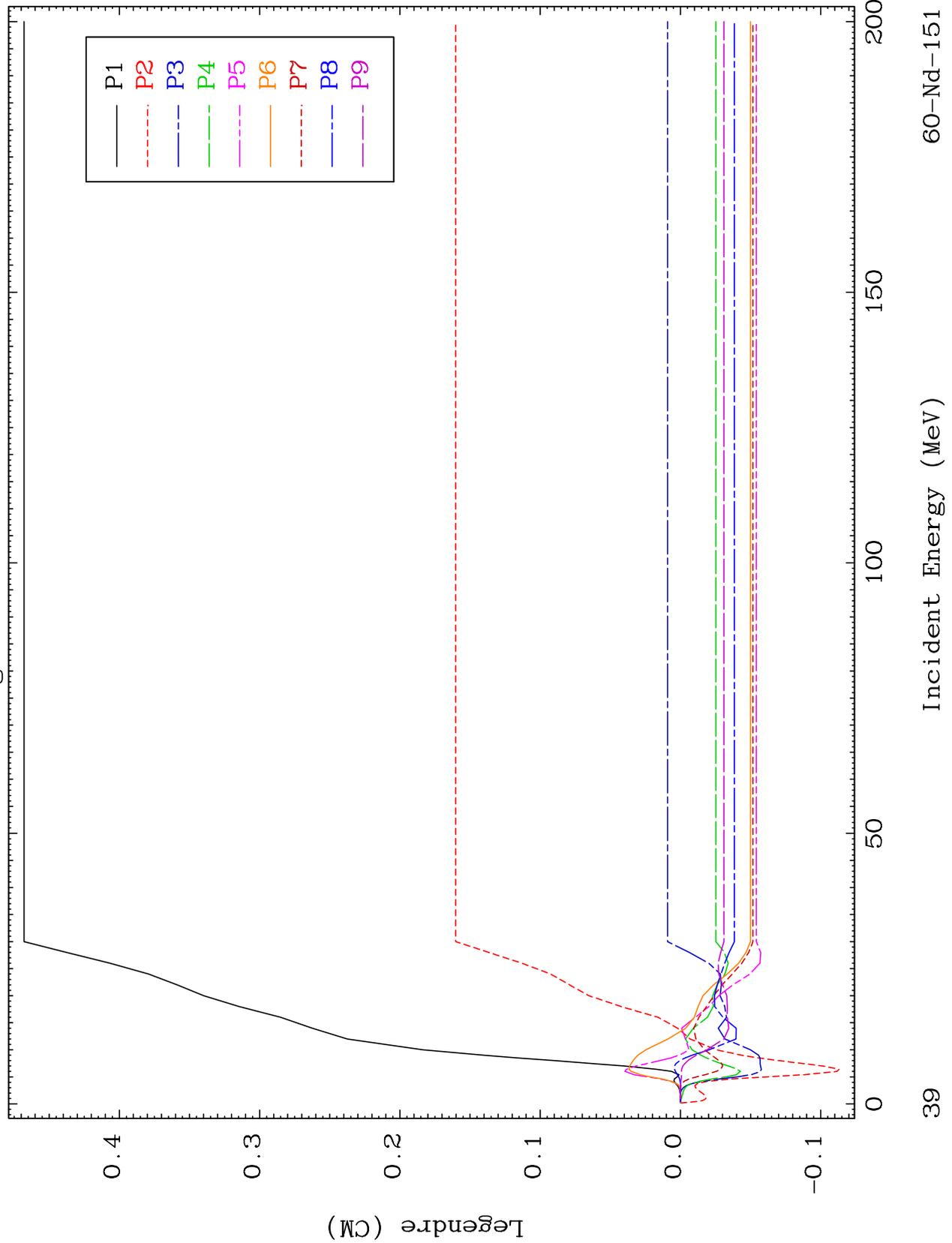




MAT 6052

177.7 keV (n,n') Level  
Legendre Coefficients

60-Nd-151



60-Nd-151

Incident Energy (MeV)

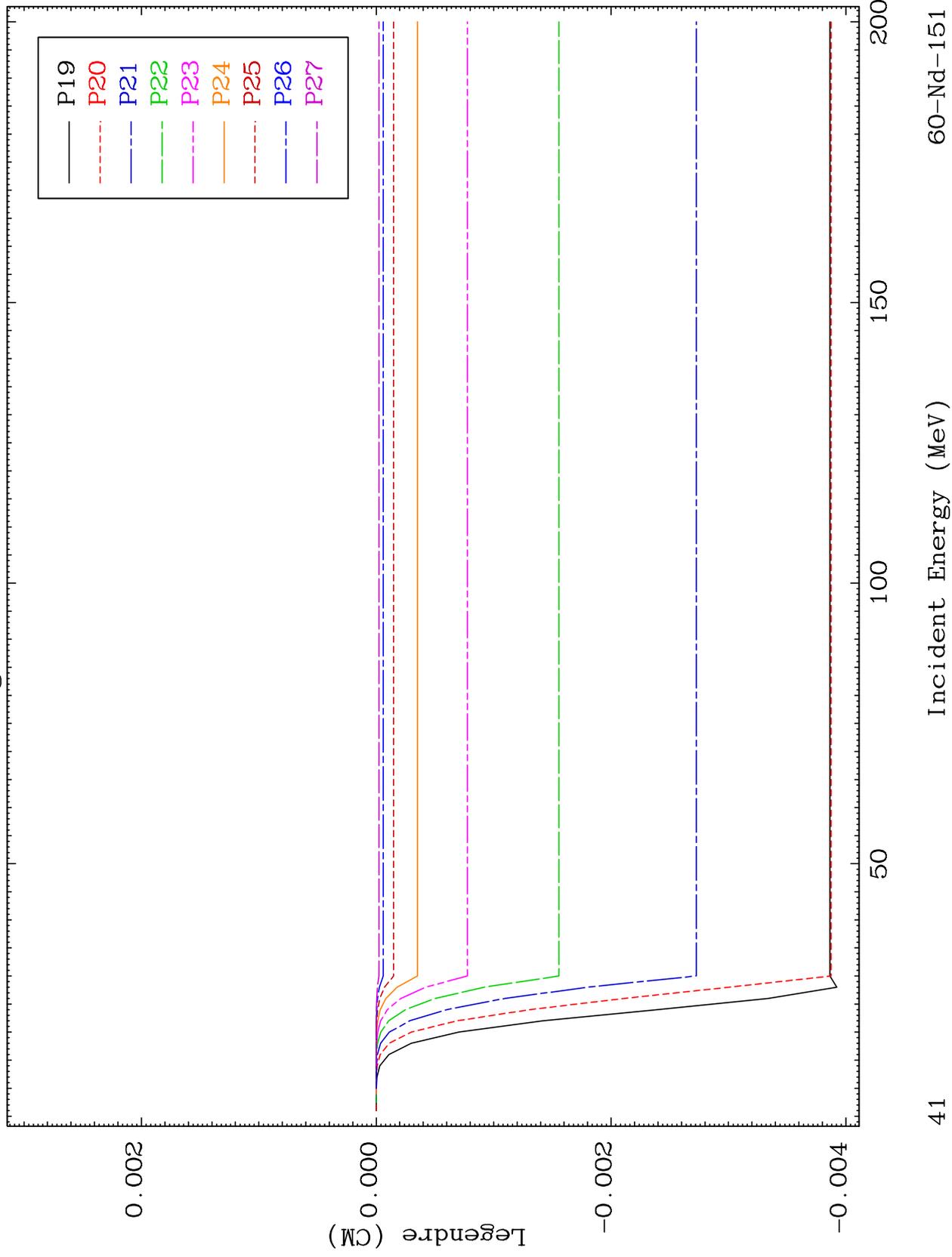
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MAT 6052

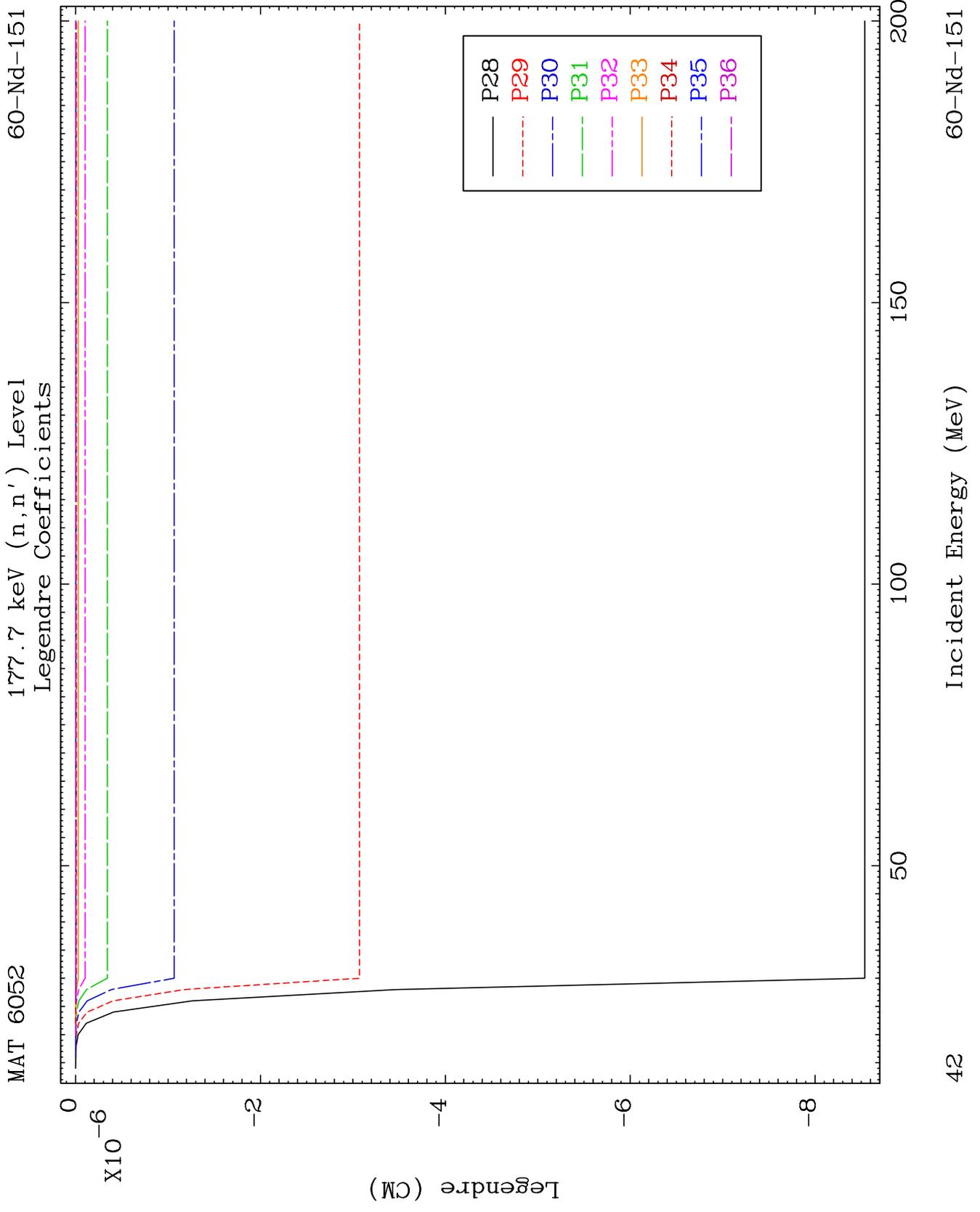
177.7 keV (n,n') Level  
Legendre Coefficients

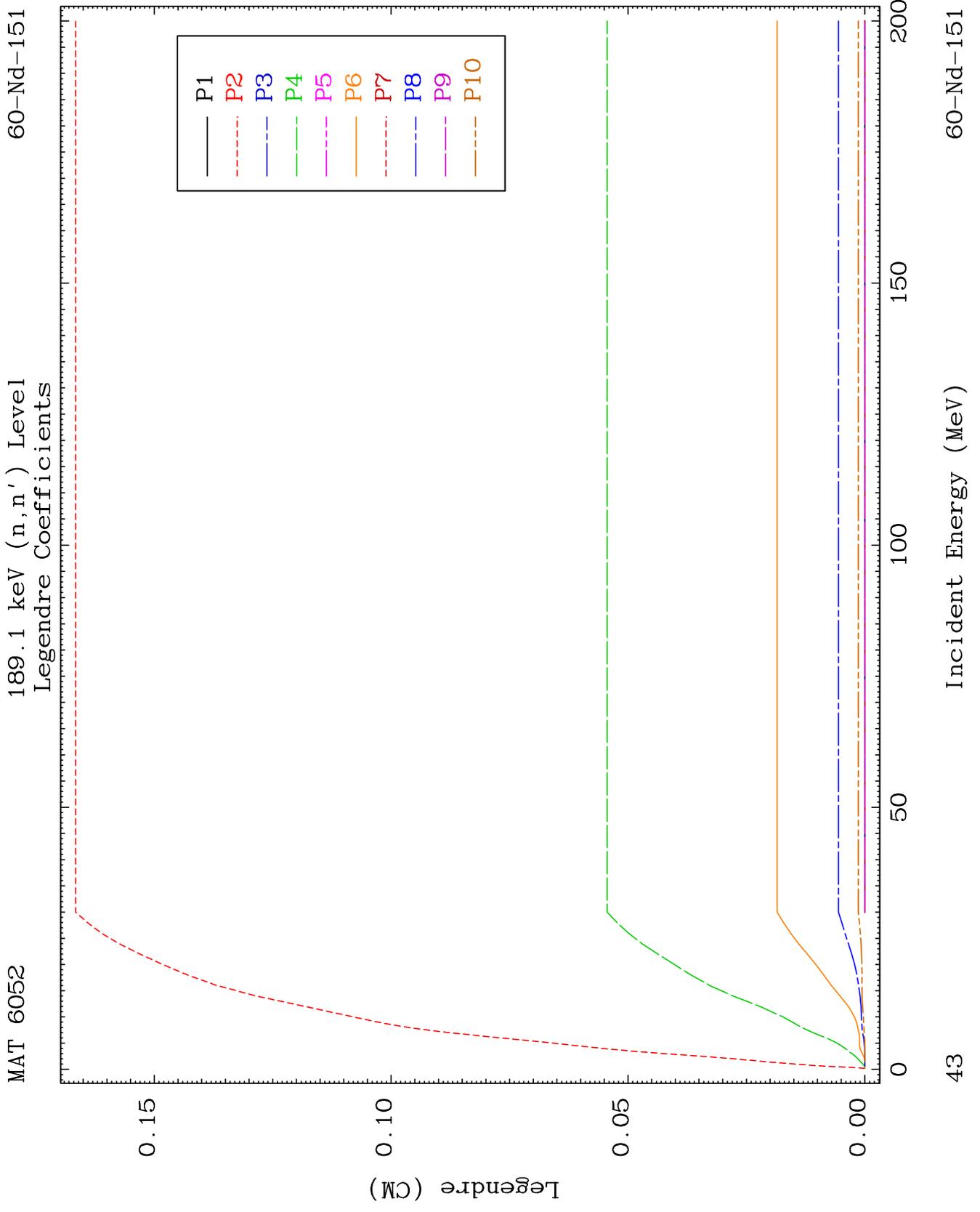
60-Nd-151



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60-Nd-151

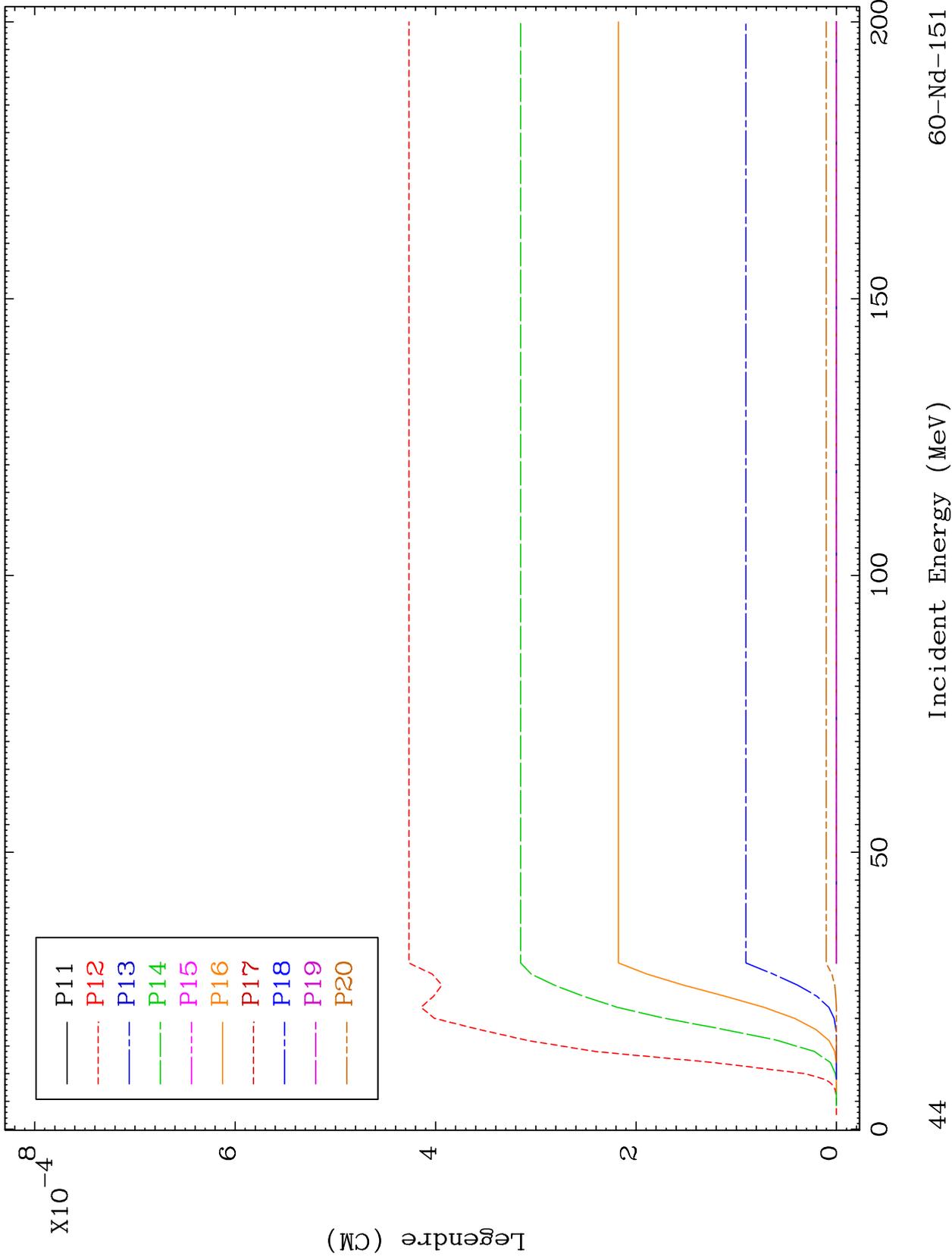




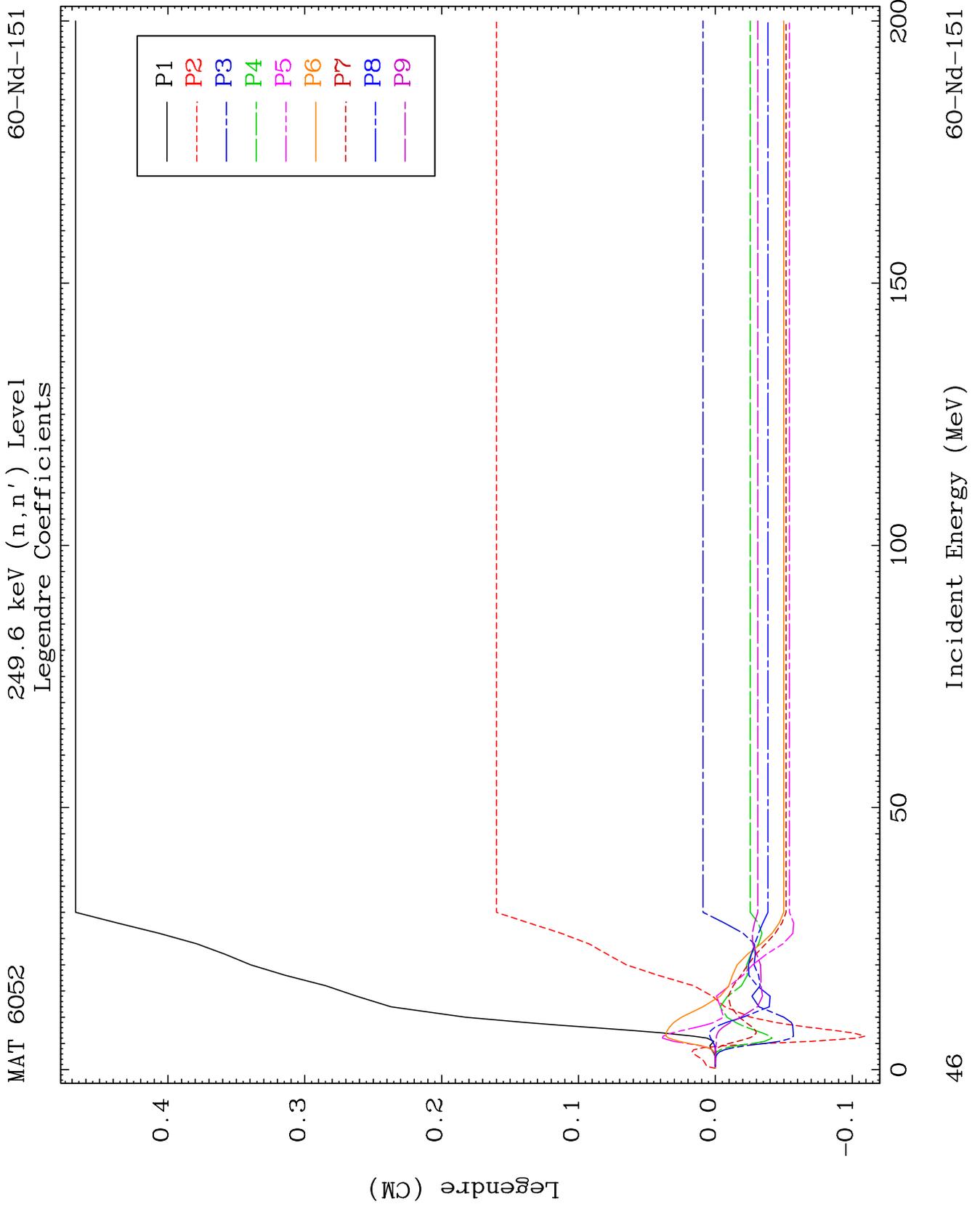
MAT 6052

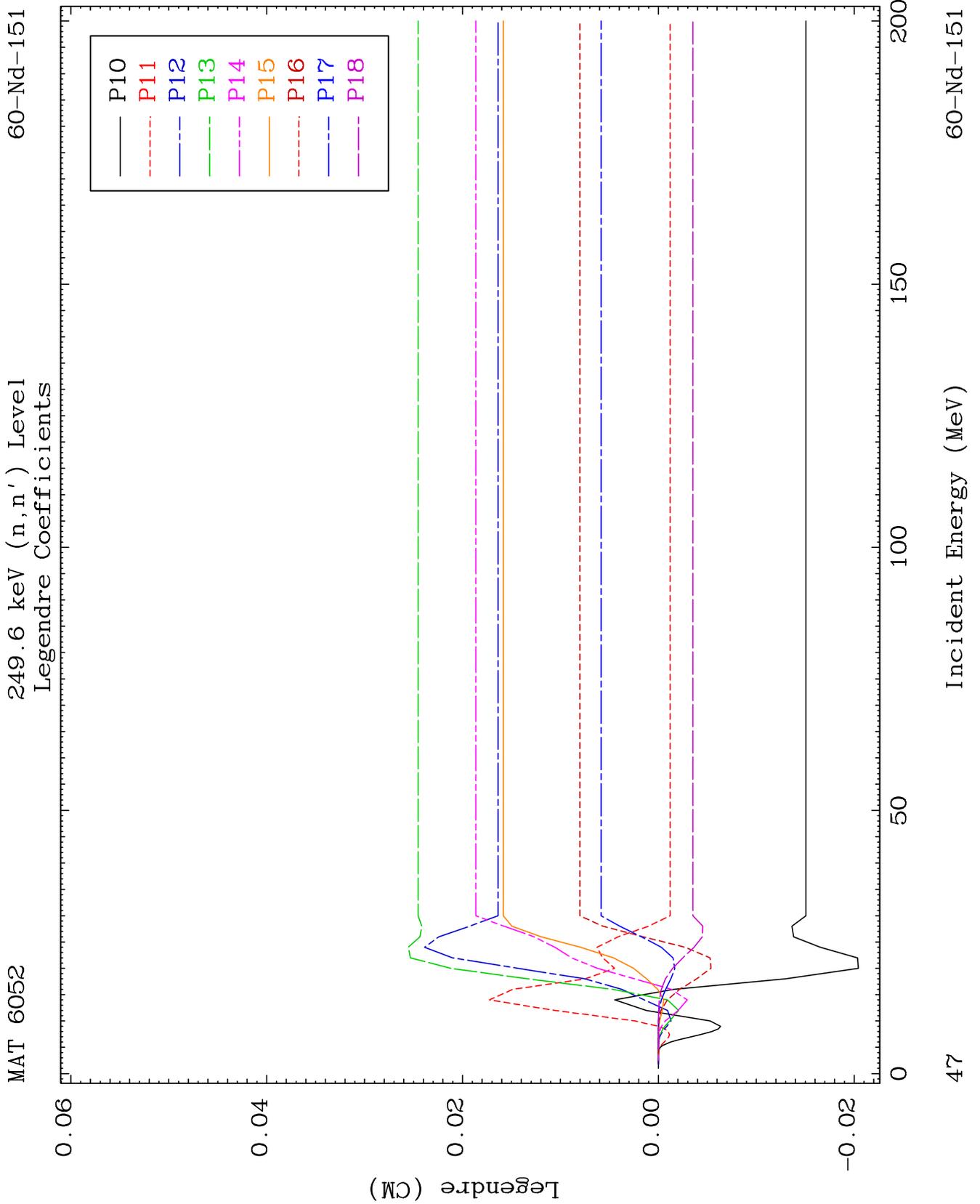
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Legendre Coefficients

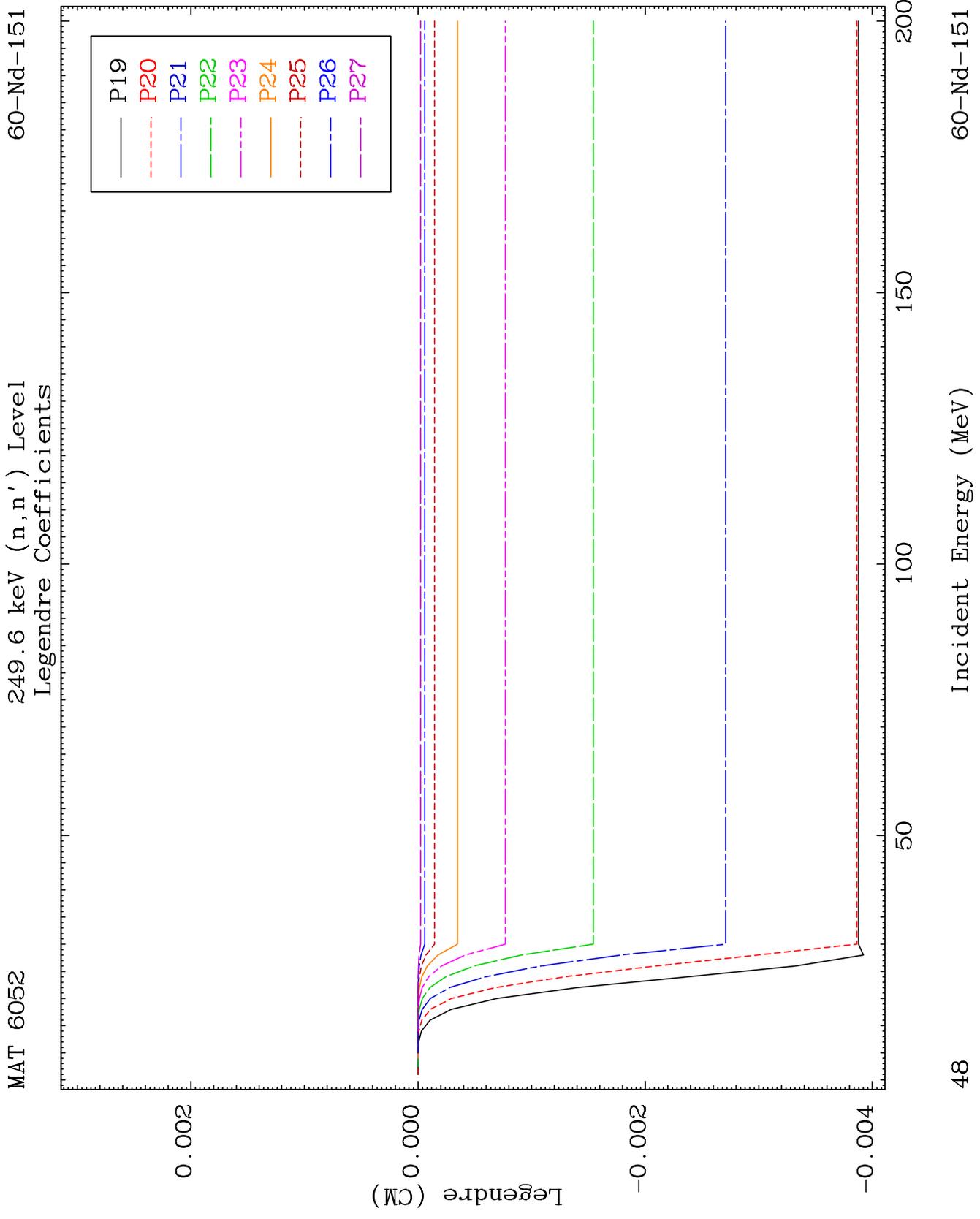
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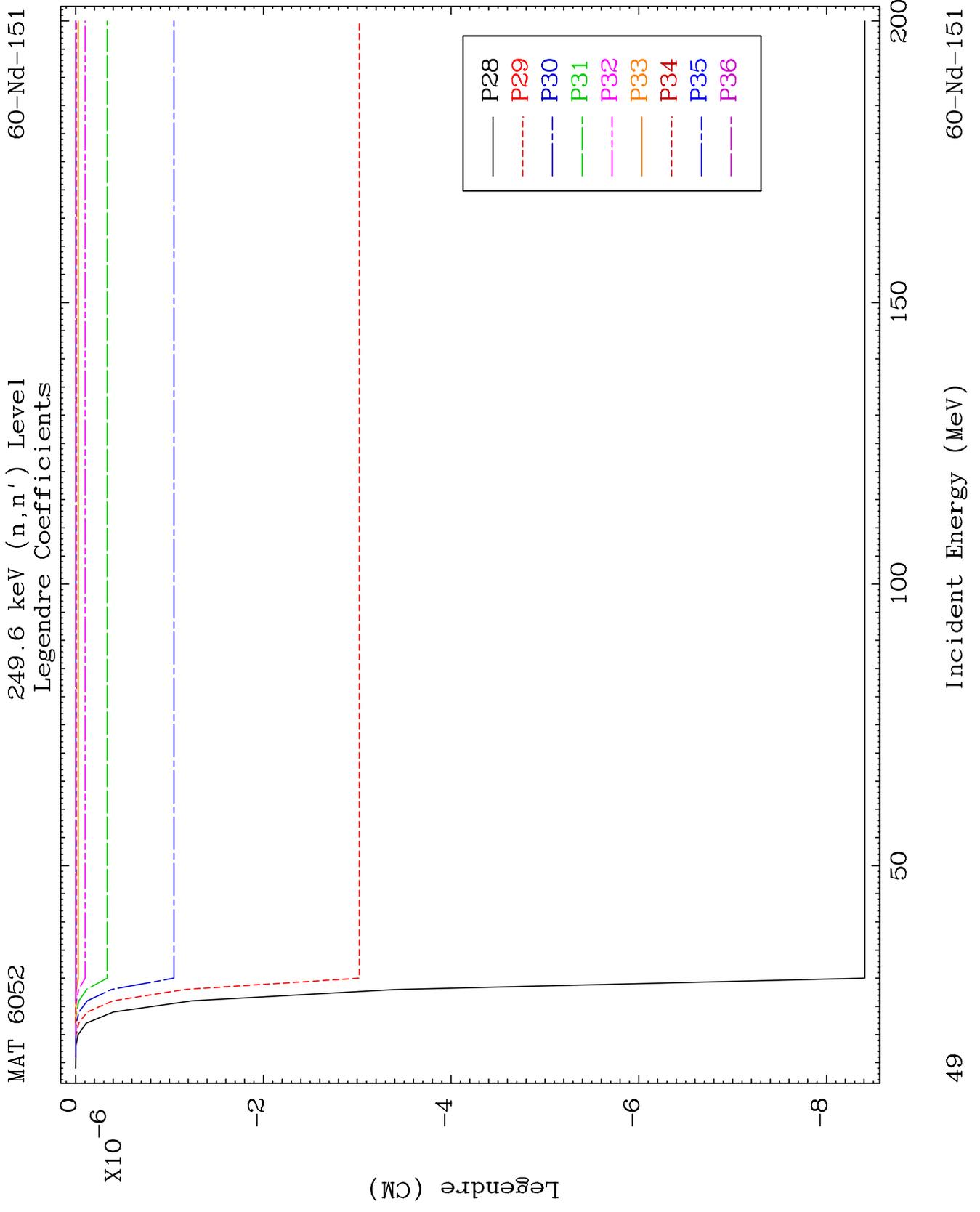






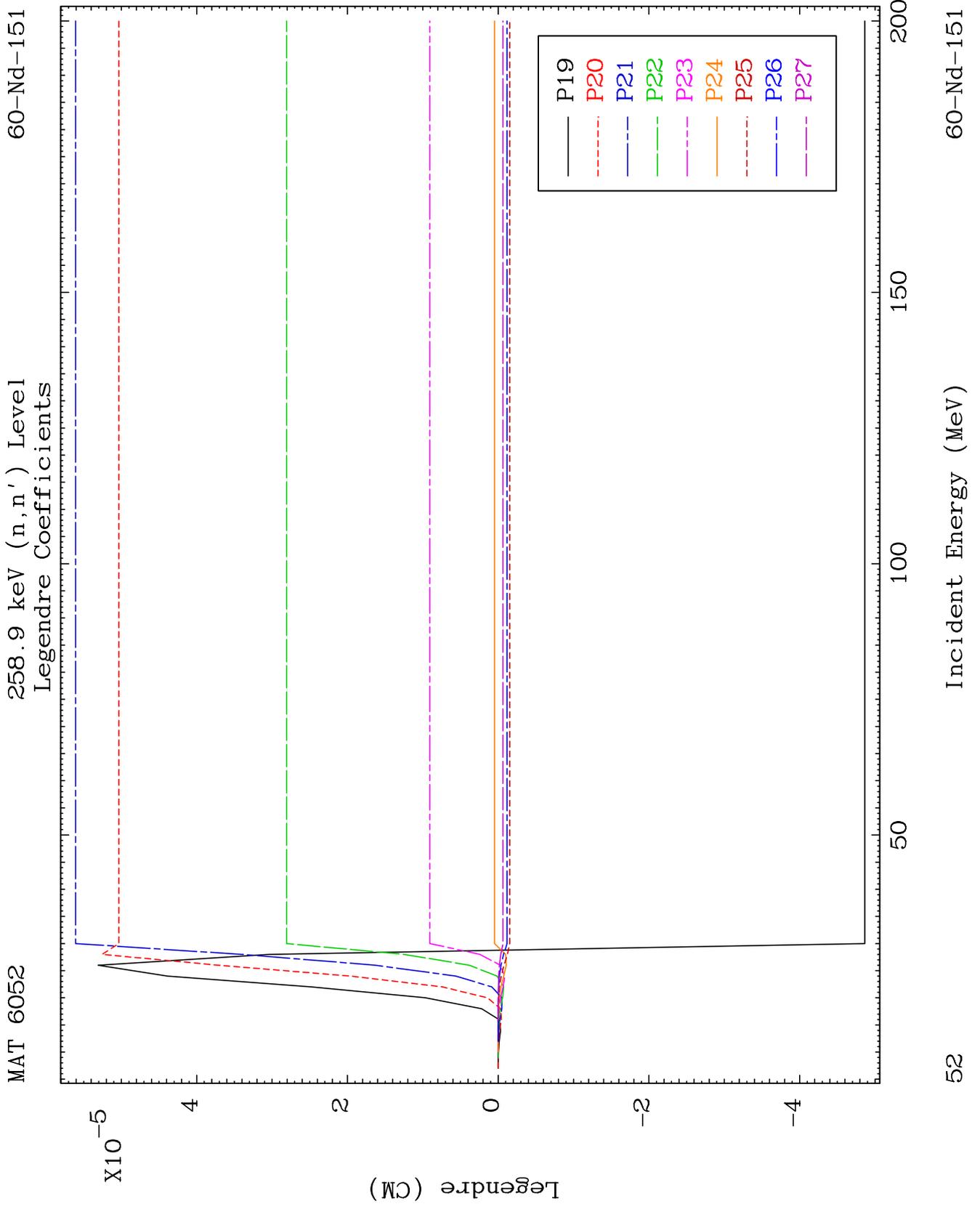


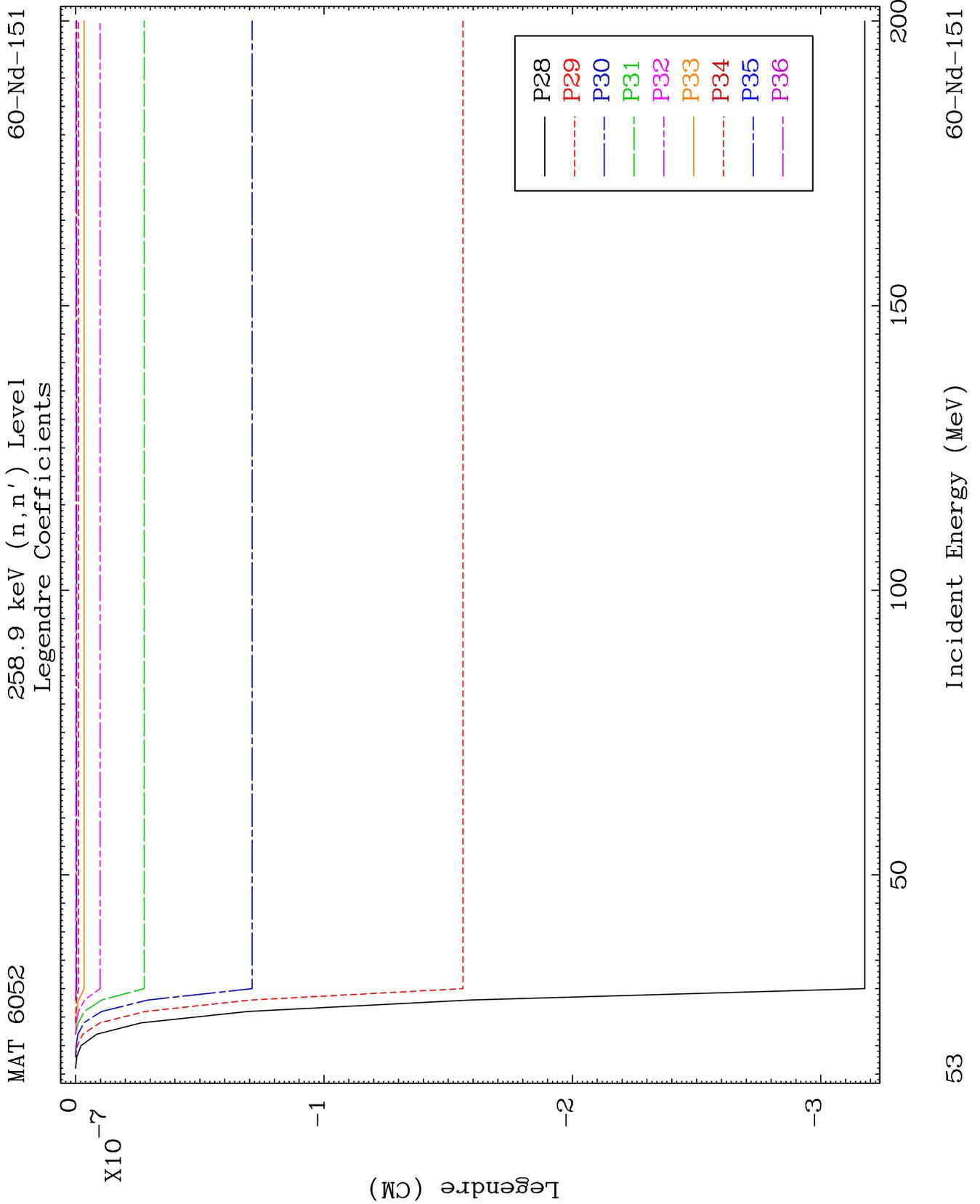








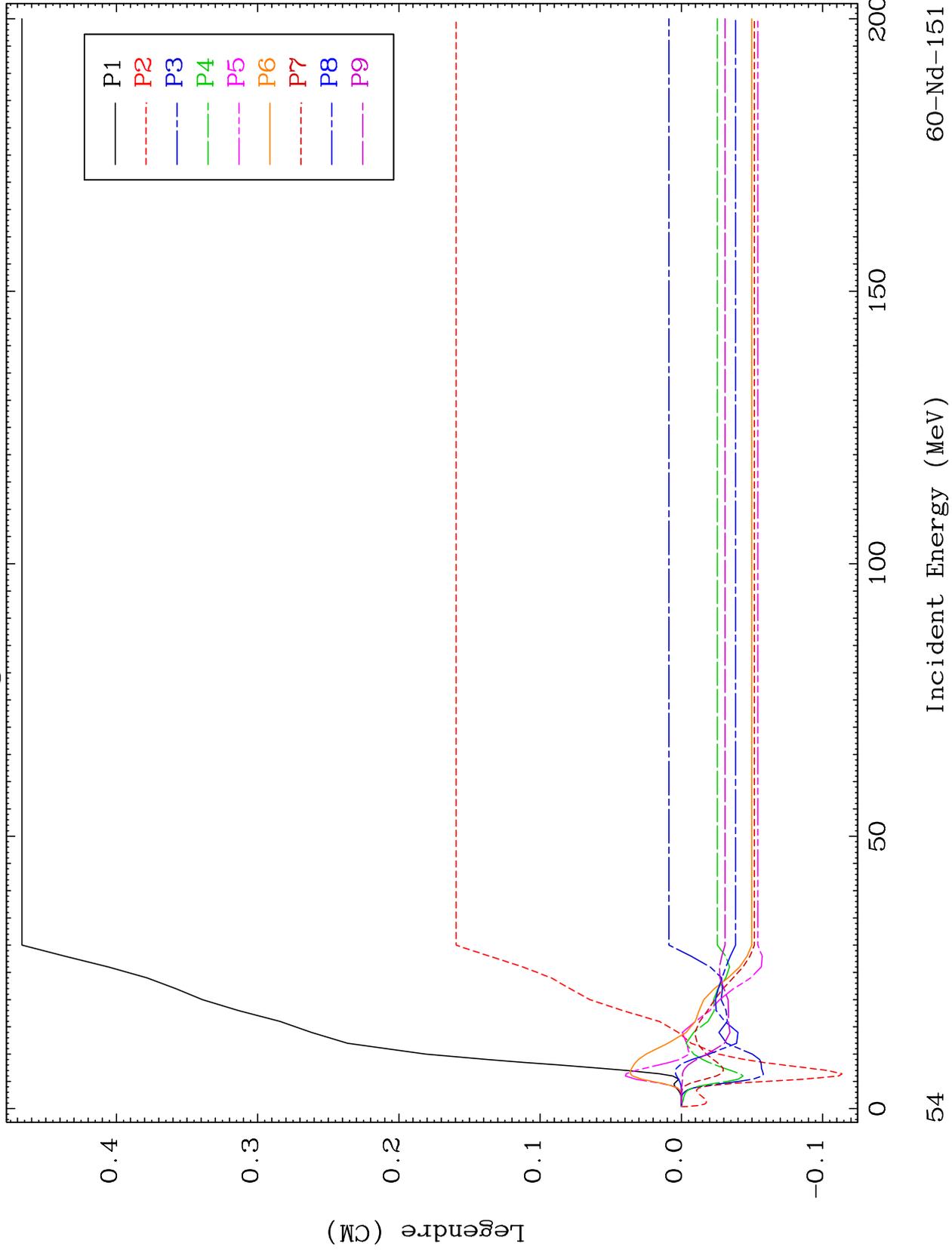




MAT 6052

335.7 keV (n, n') Level  
Legendre Coefficients

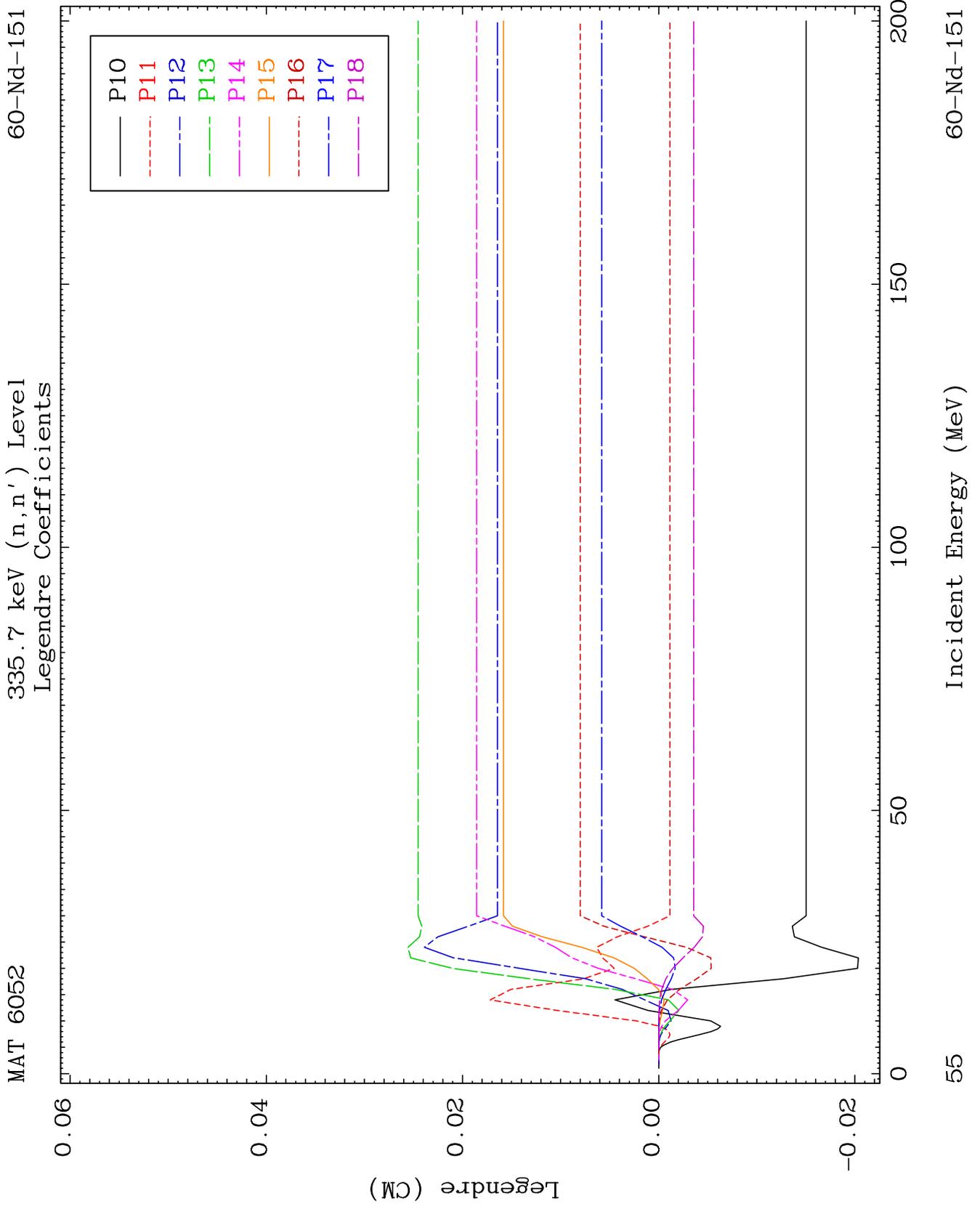
60-Nd-151



60-Nd-151

Incident Energy (MeV)

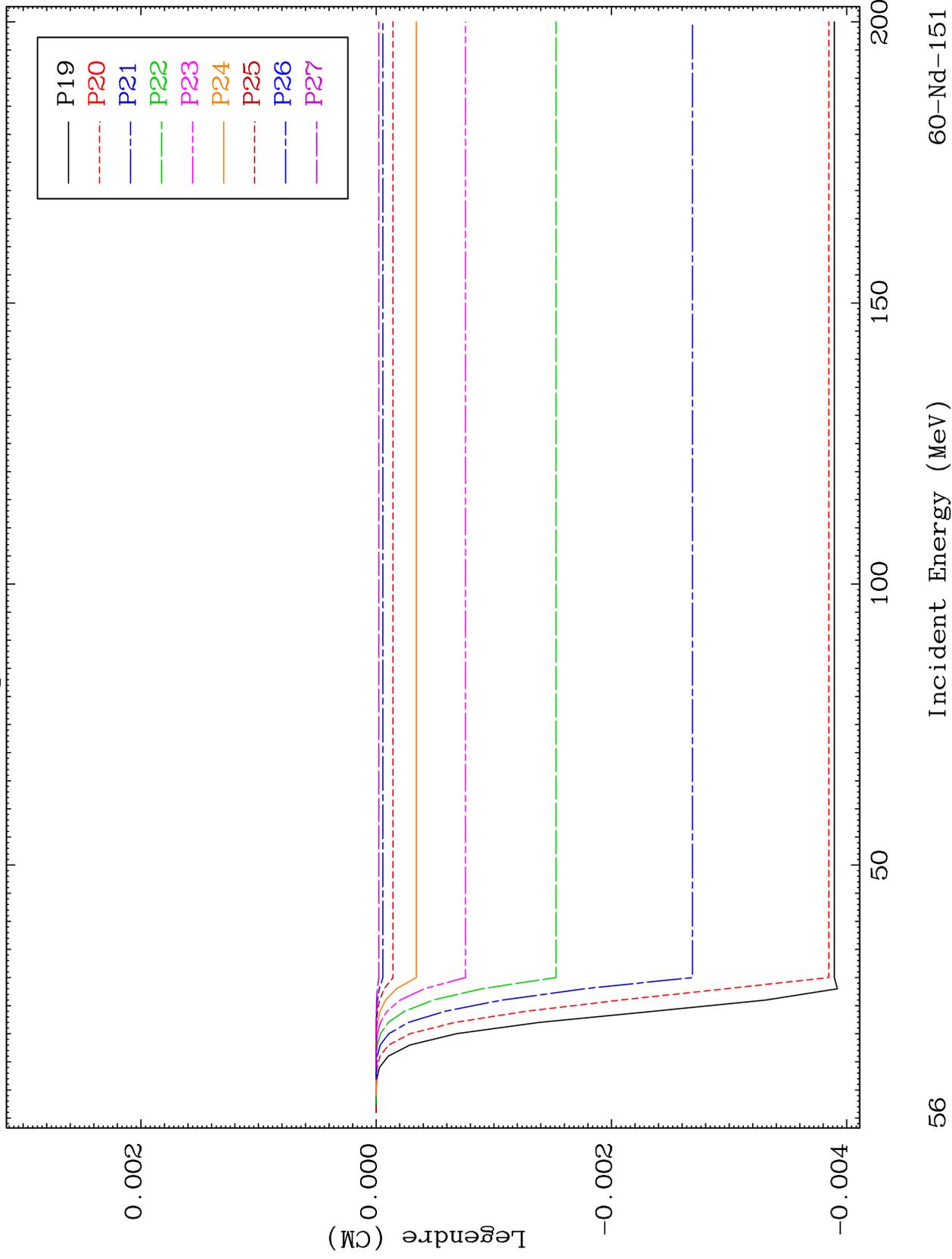
54



MAT 6052

335.7 keV (n,n') Level  
Legendre Coefficients

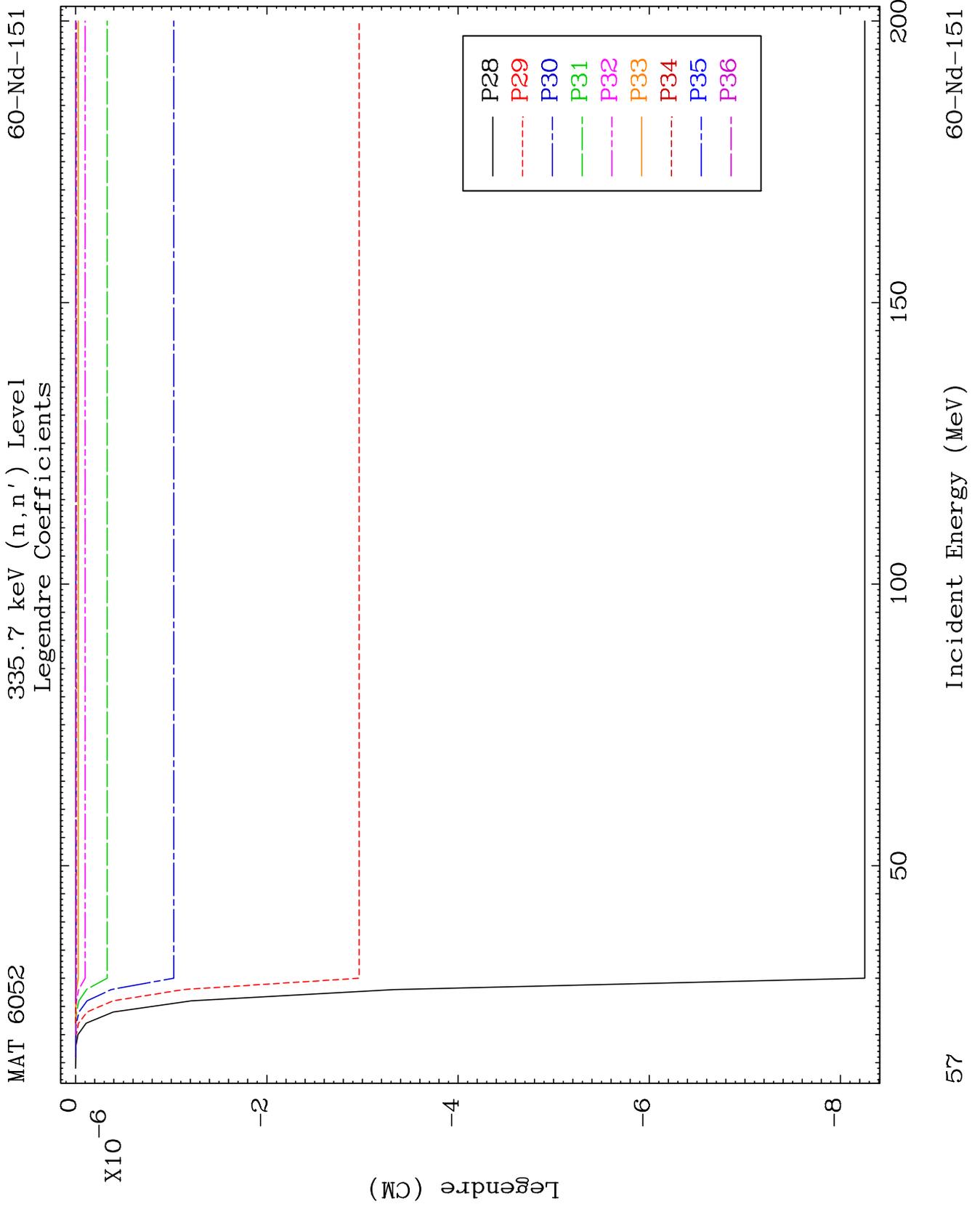
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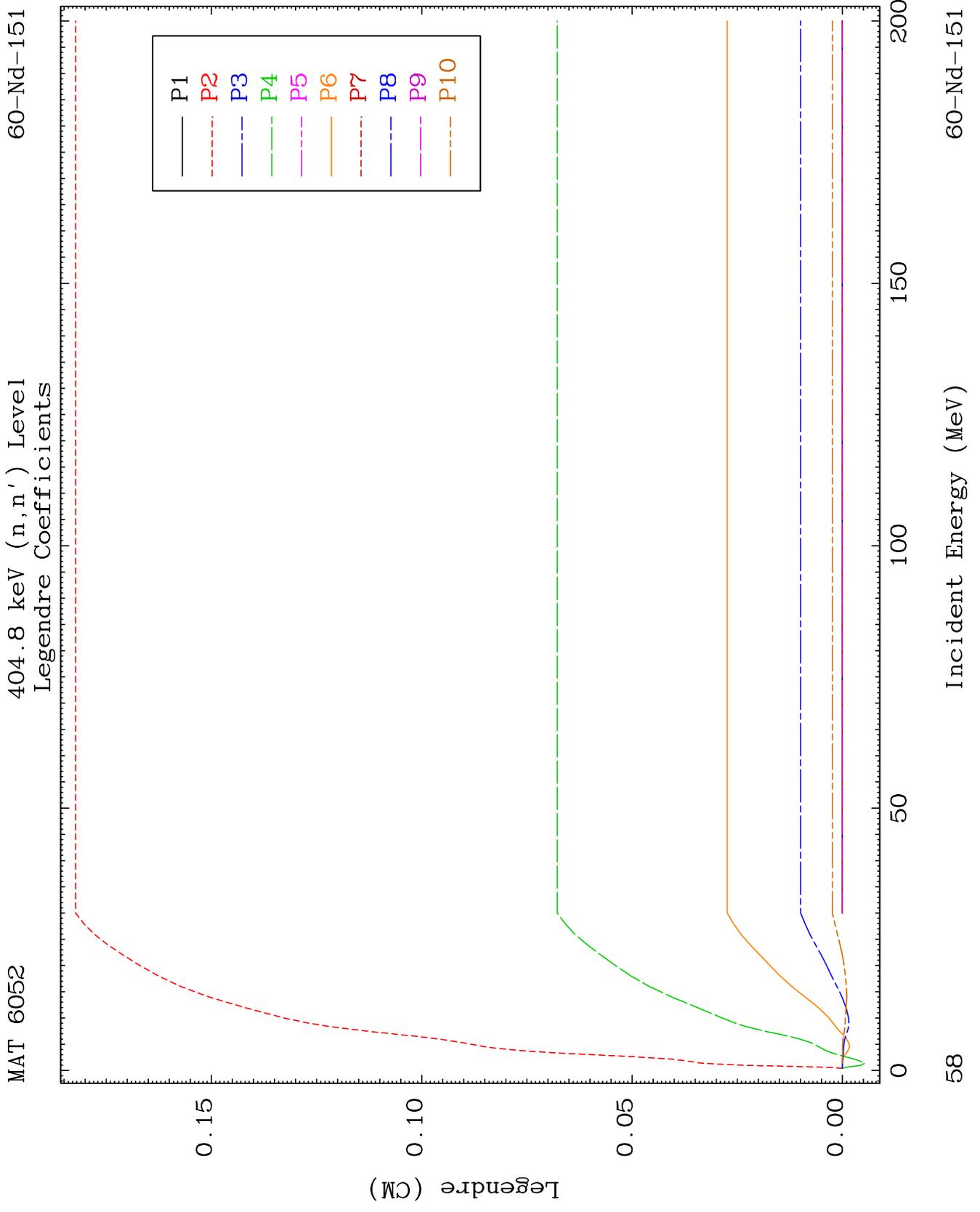


56

Incident Energy (MeV)

60-Nd-151

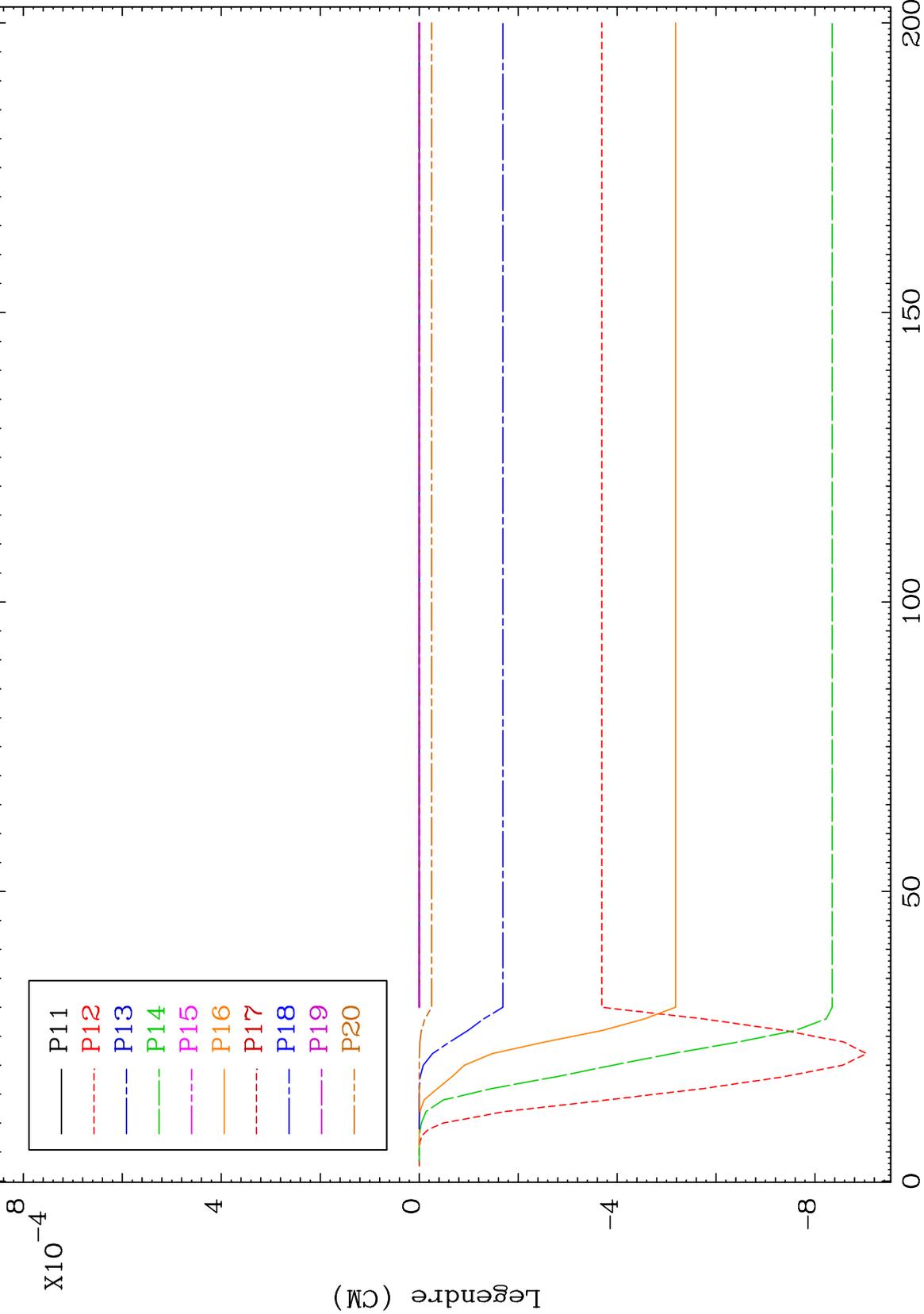




MAT 6052

404.8 keV (n,n') Level  
Legendre Coefficients

60-Nd-151



59

Incident Energy (MeV)

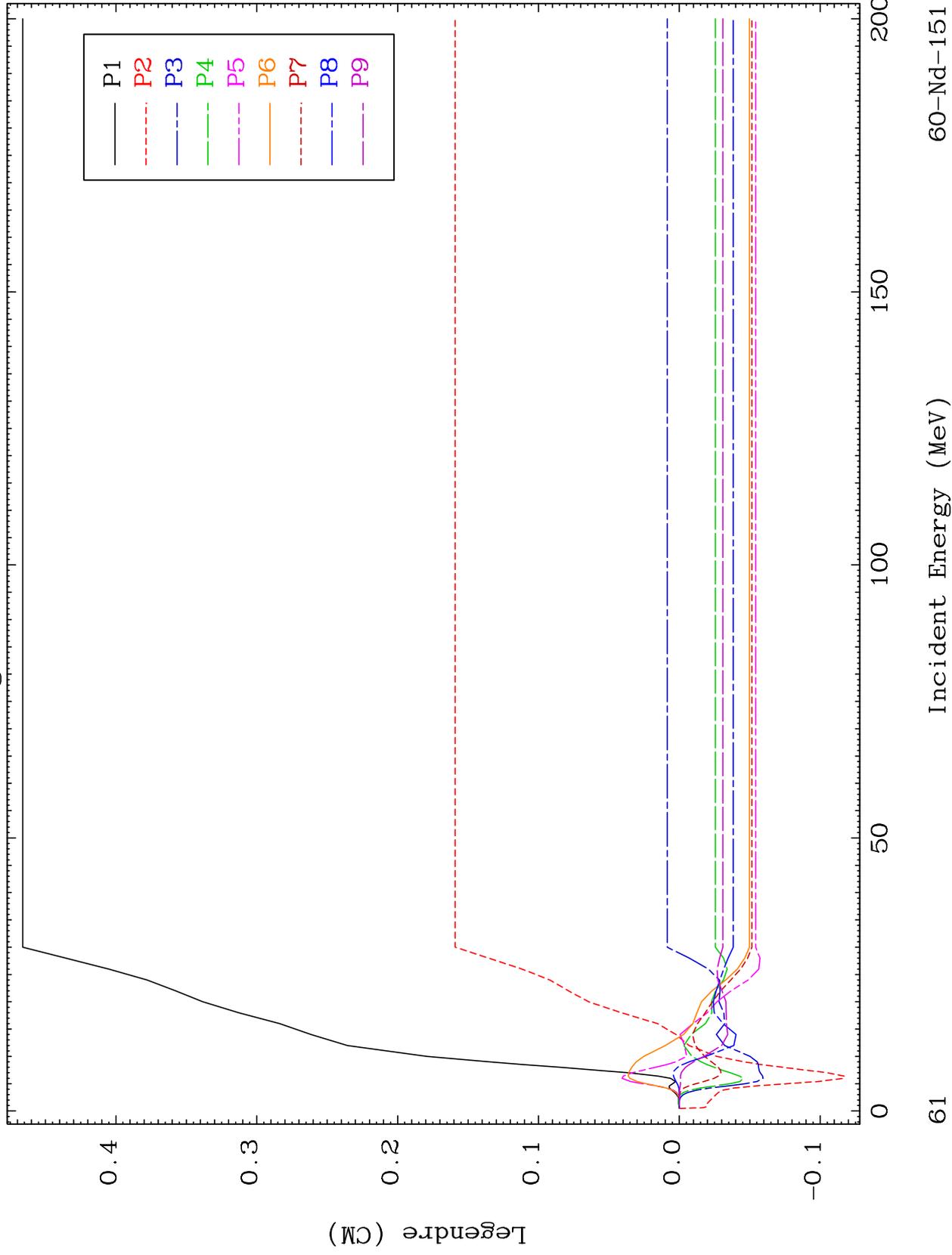
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MAT 6052

443.6 keV (n,n') Level  
Legendre Coefficients

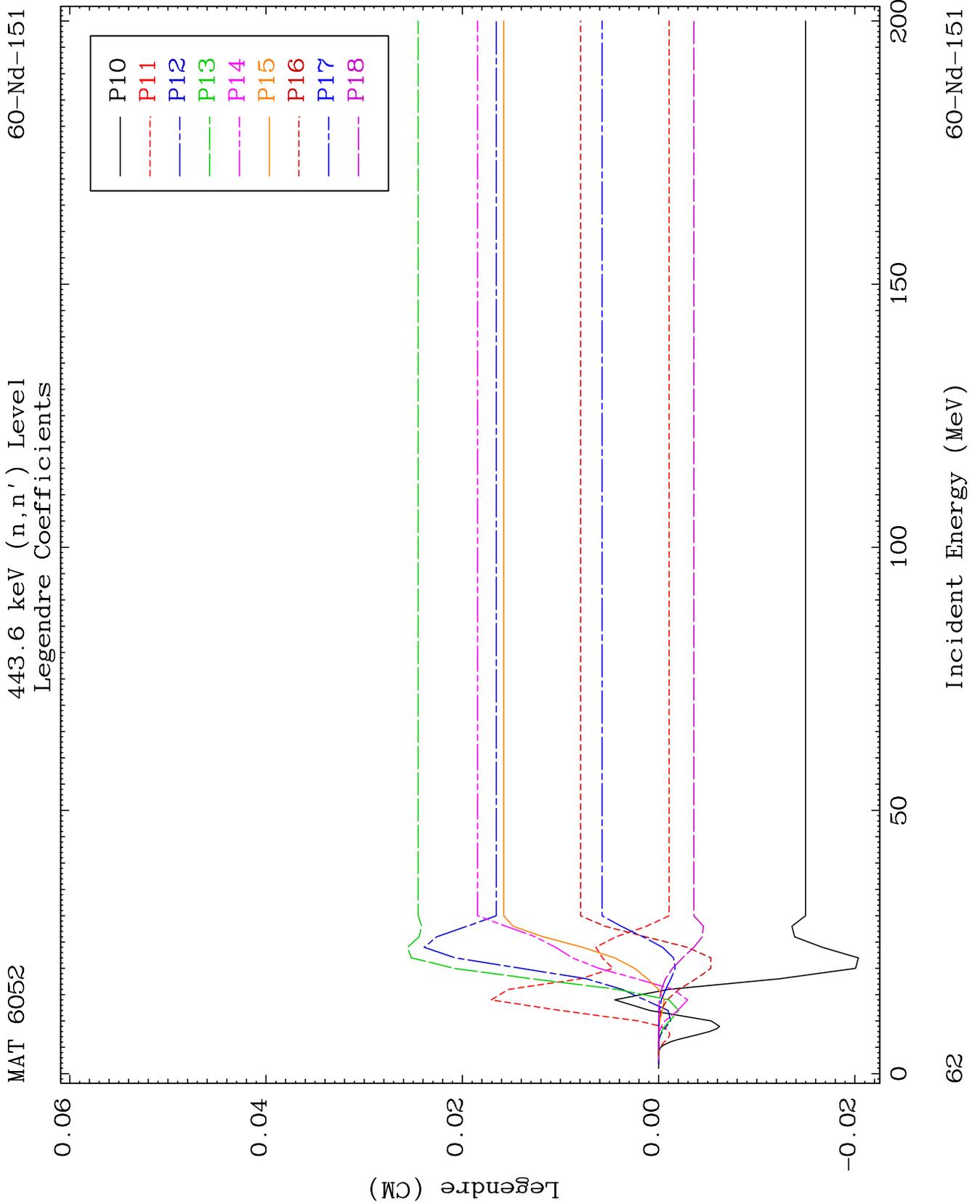
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60-Nd-151

Incident Energy (MeV)

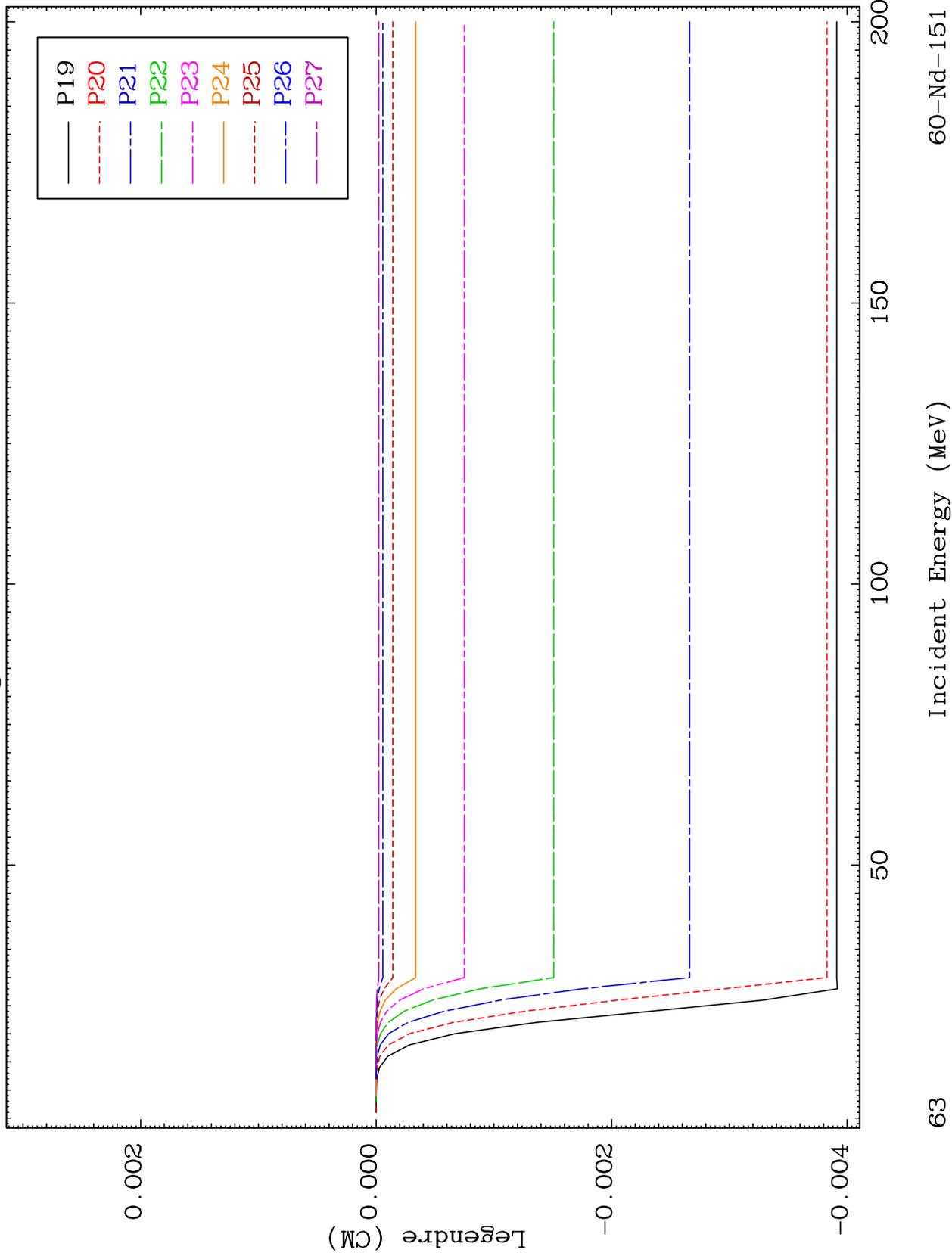
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MAT 6052

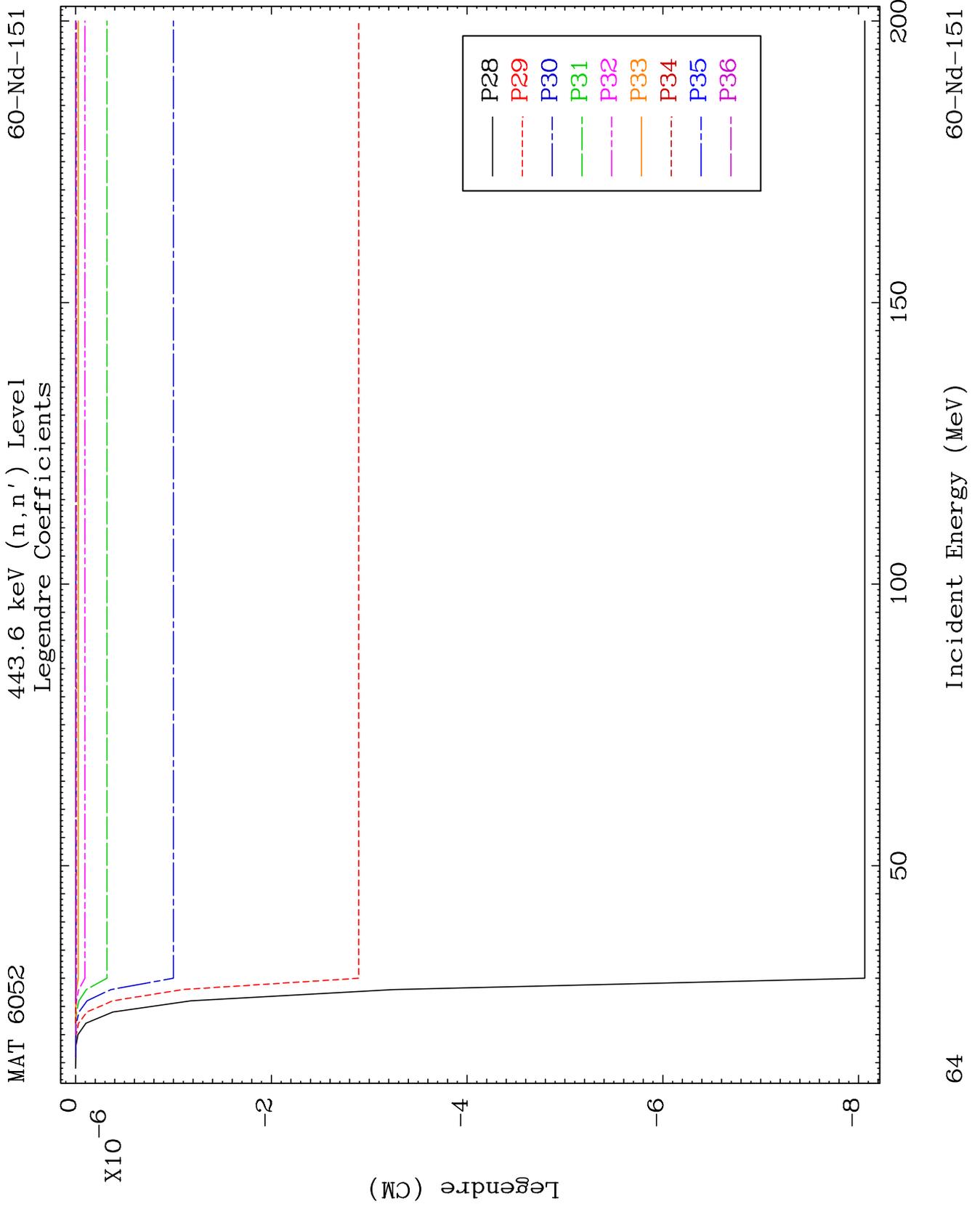
443.6 keV (n,n') Level  
Legendre Coefficients

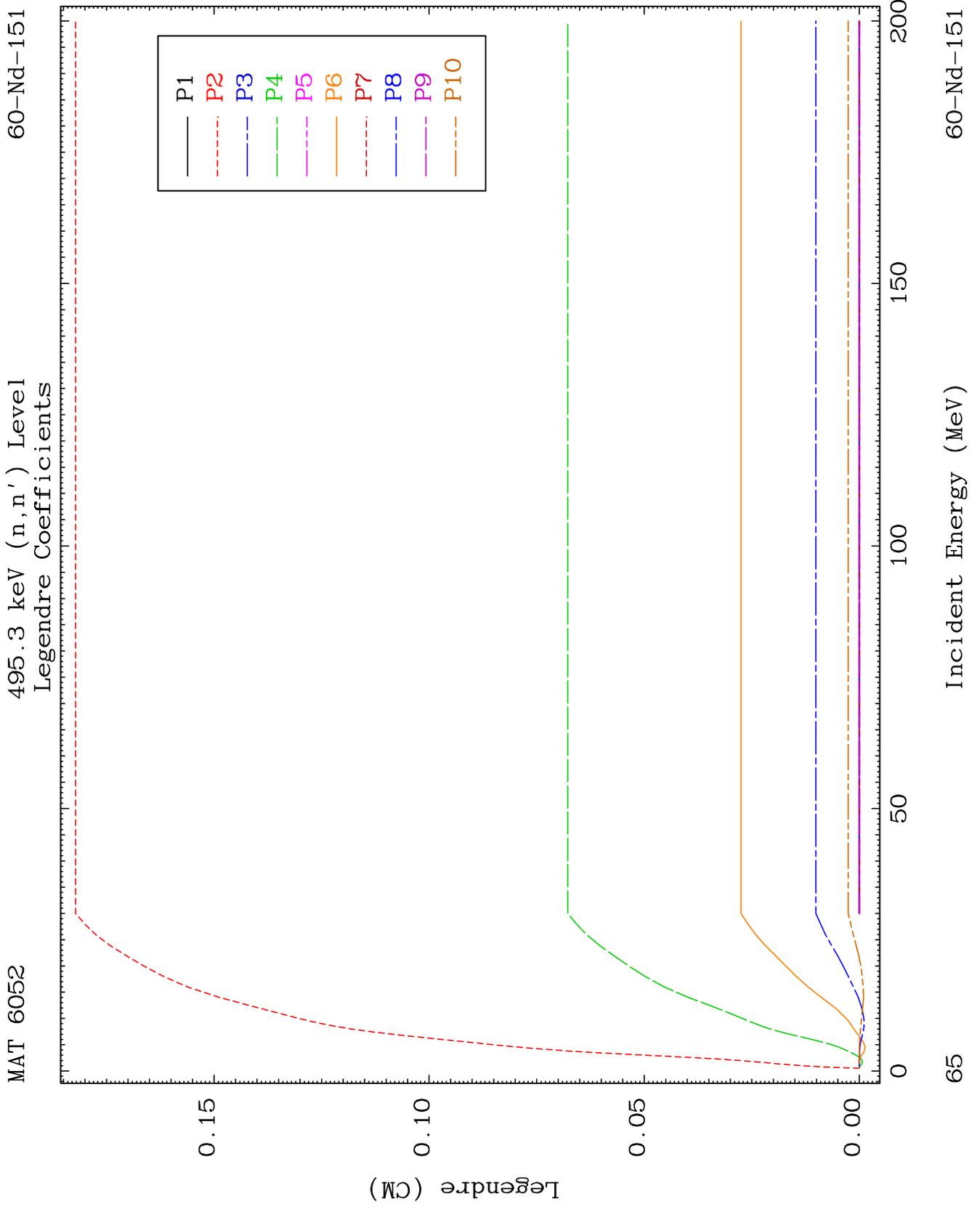
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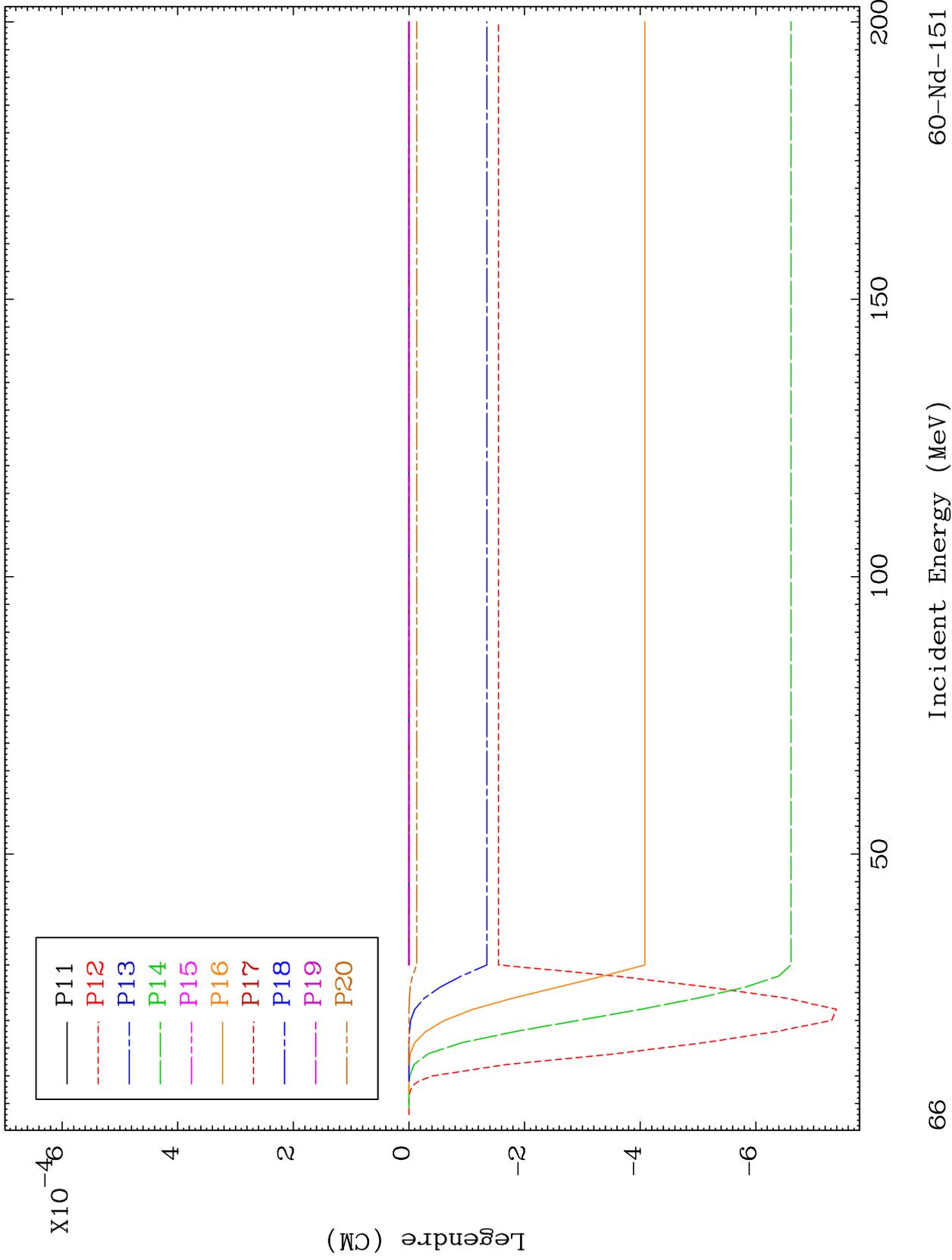


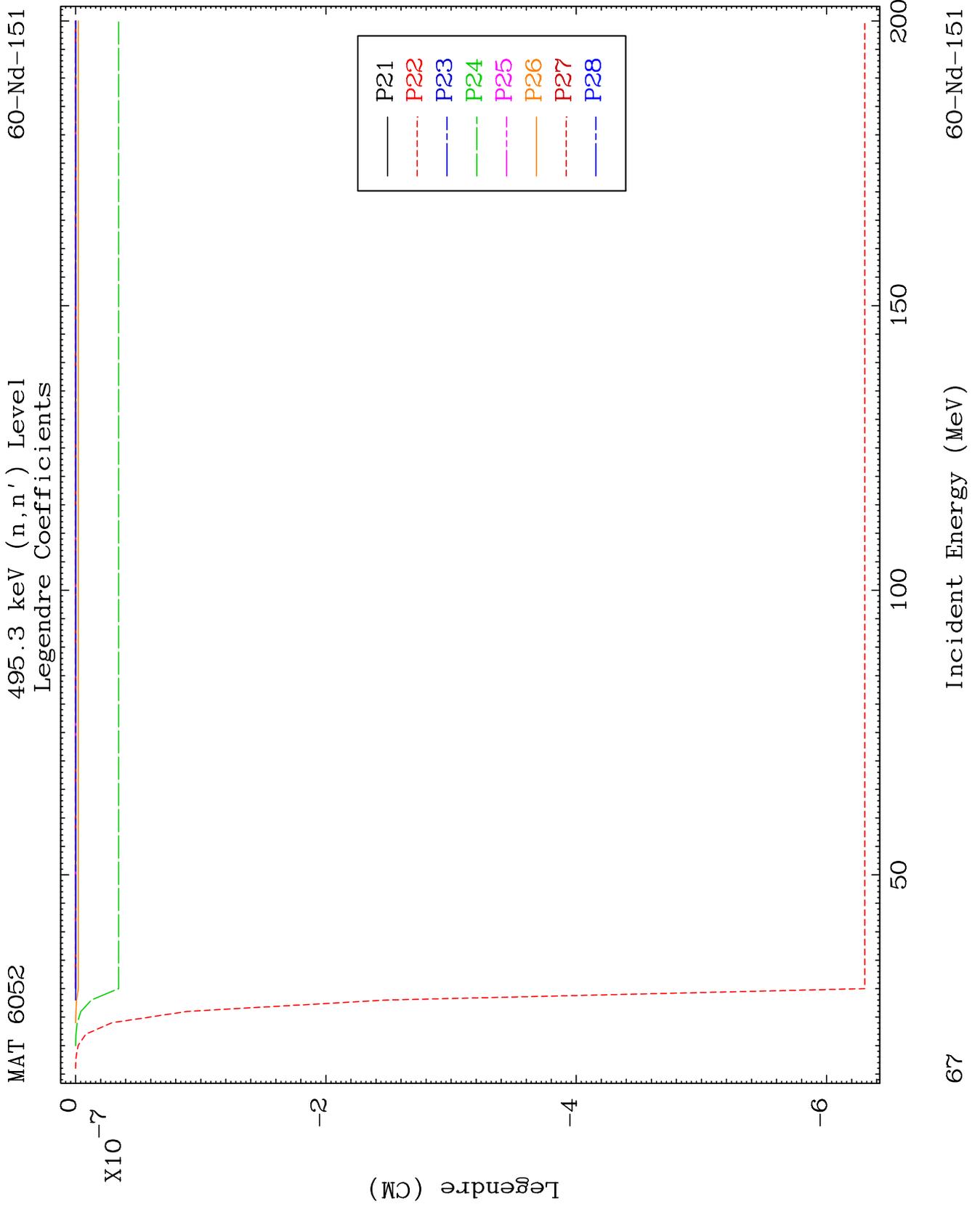
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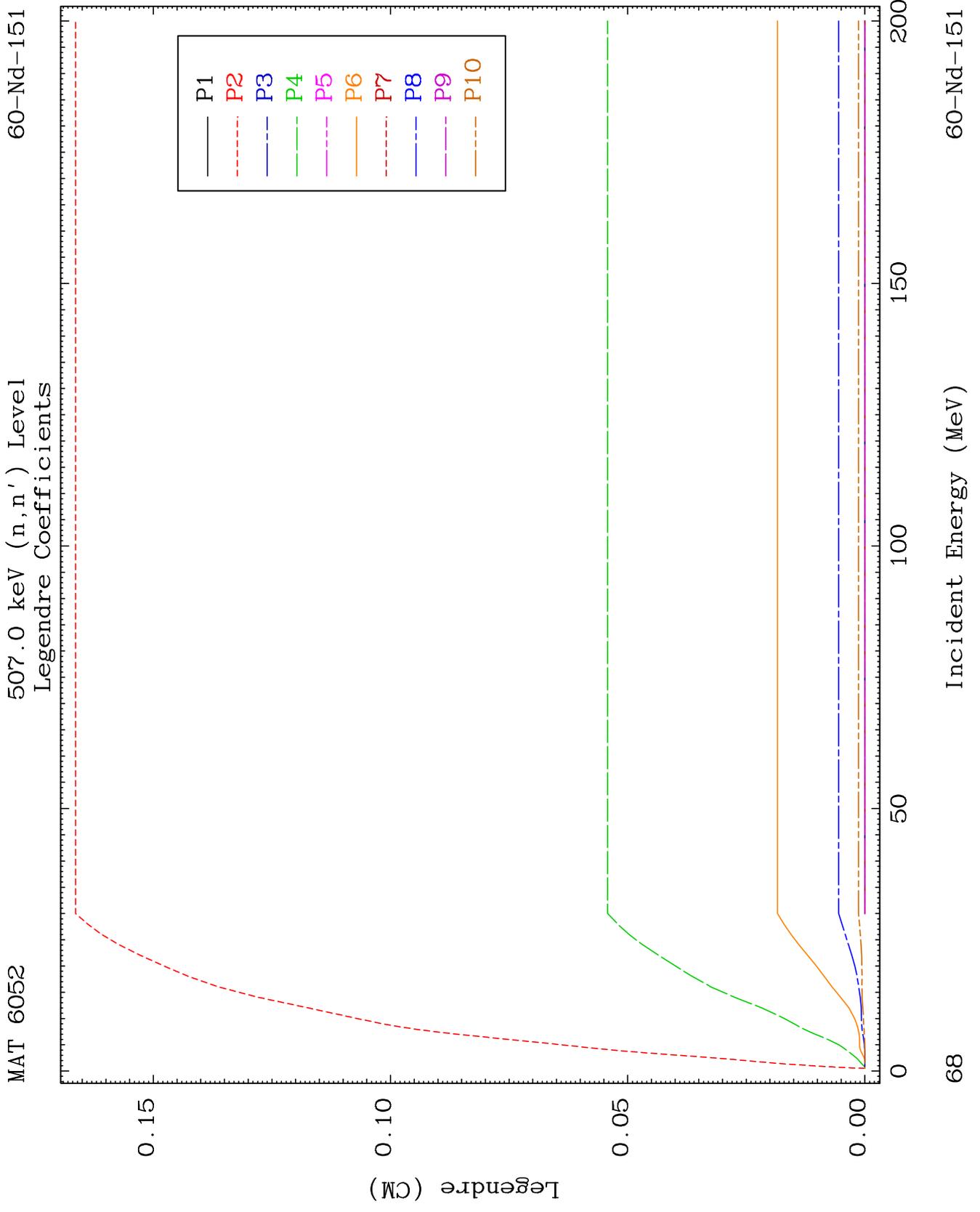
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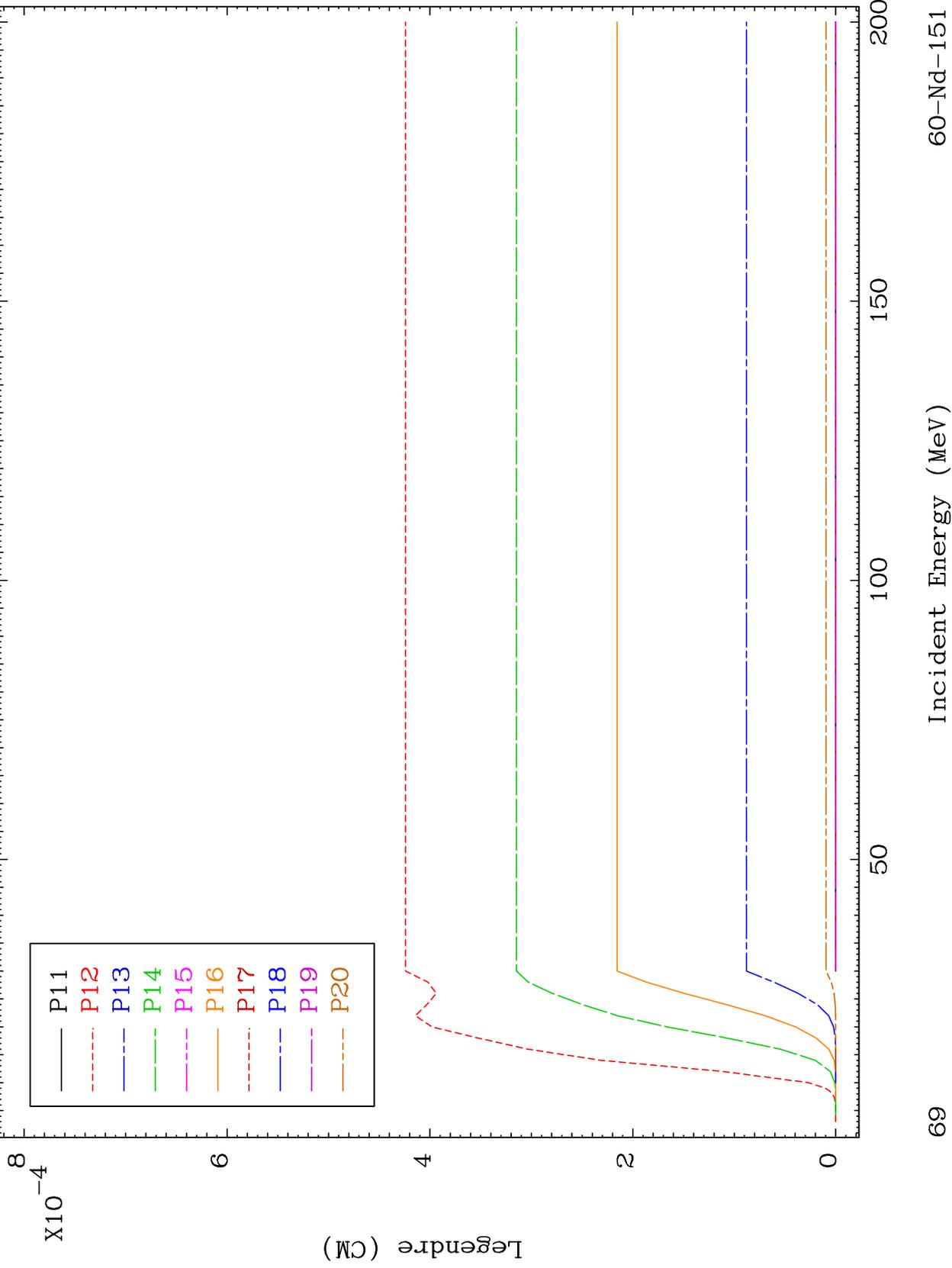




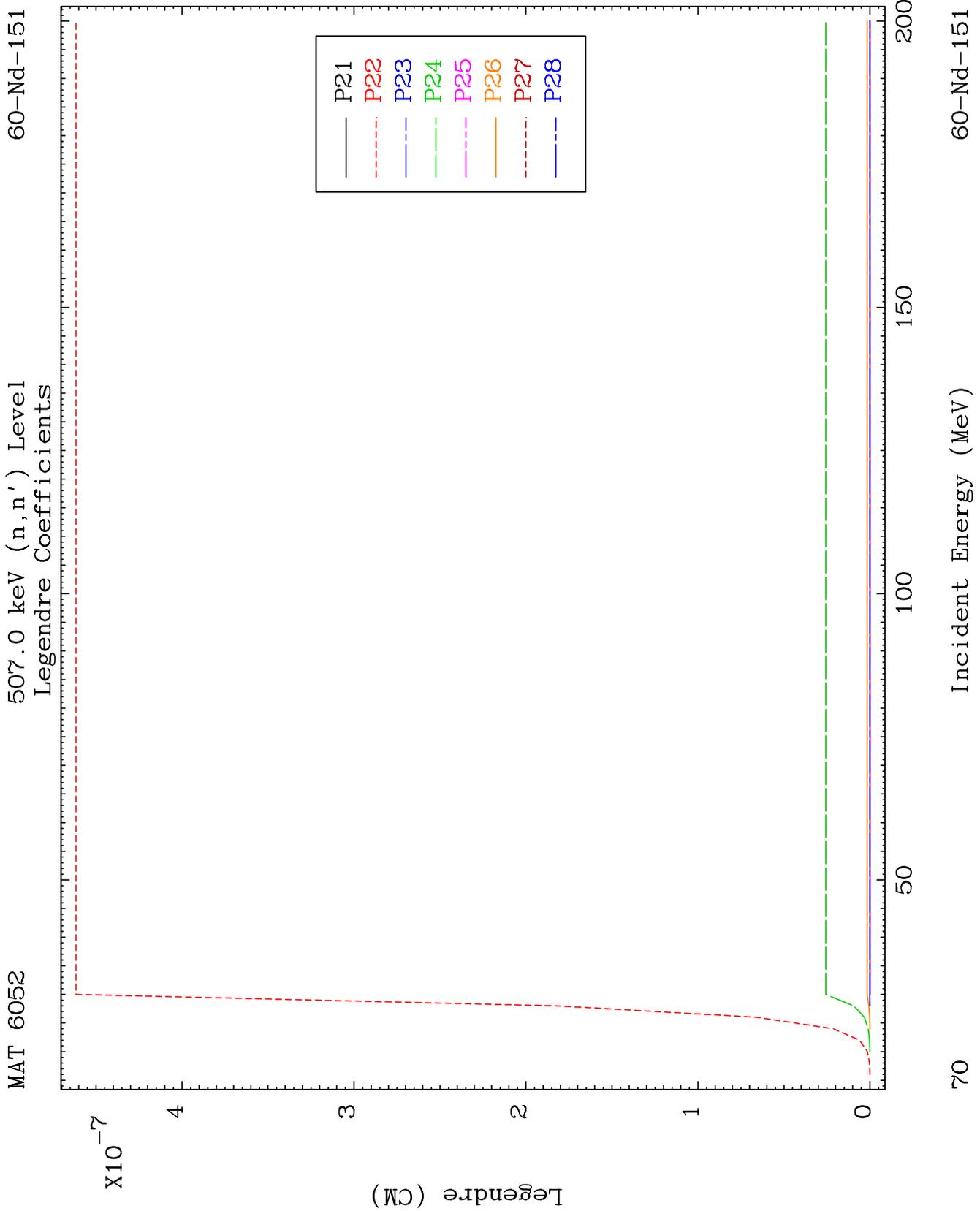
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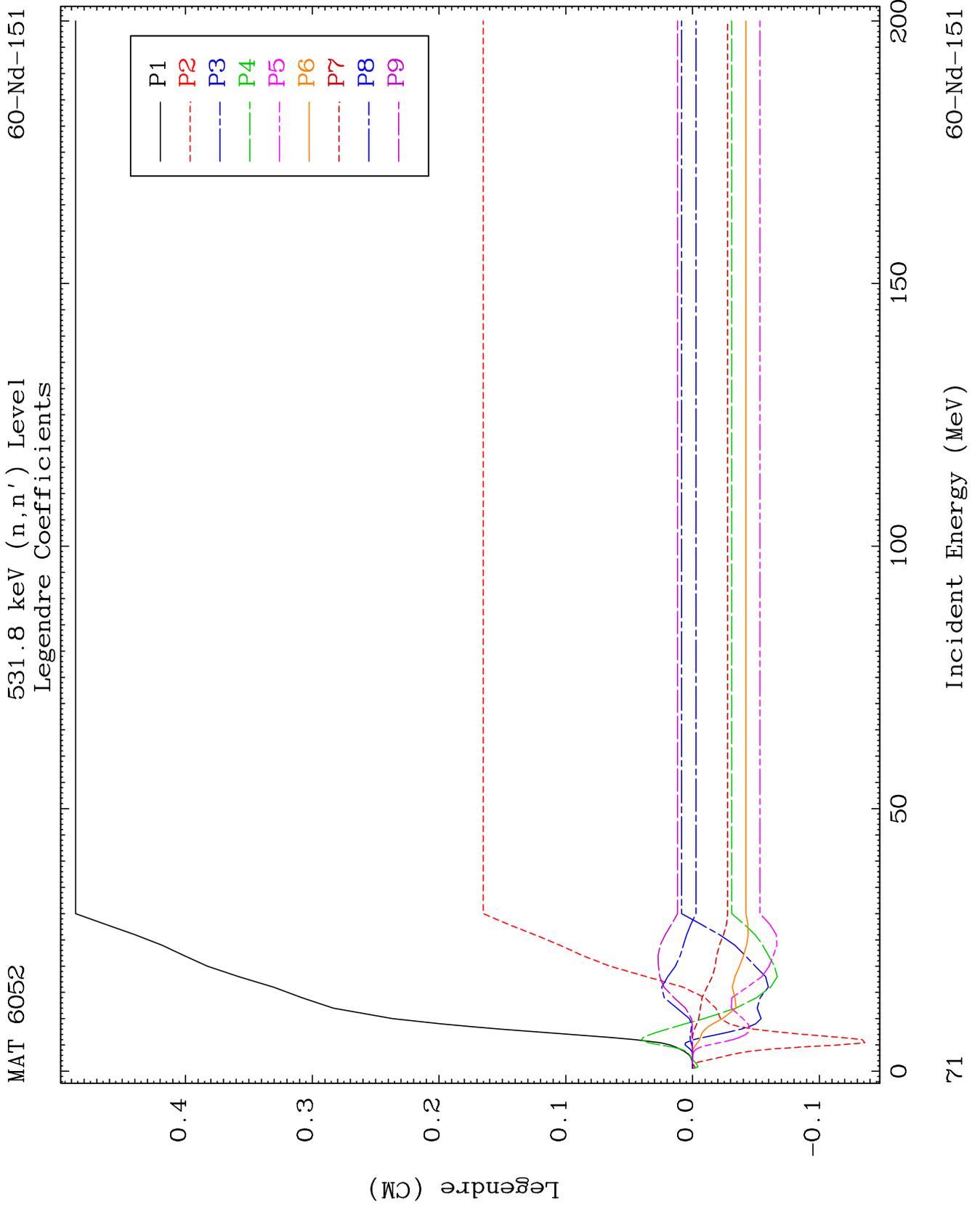
507.0 keV (n,n') Level  
Legendre Coefficients

60-Nd-151



69



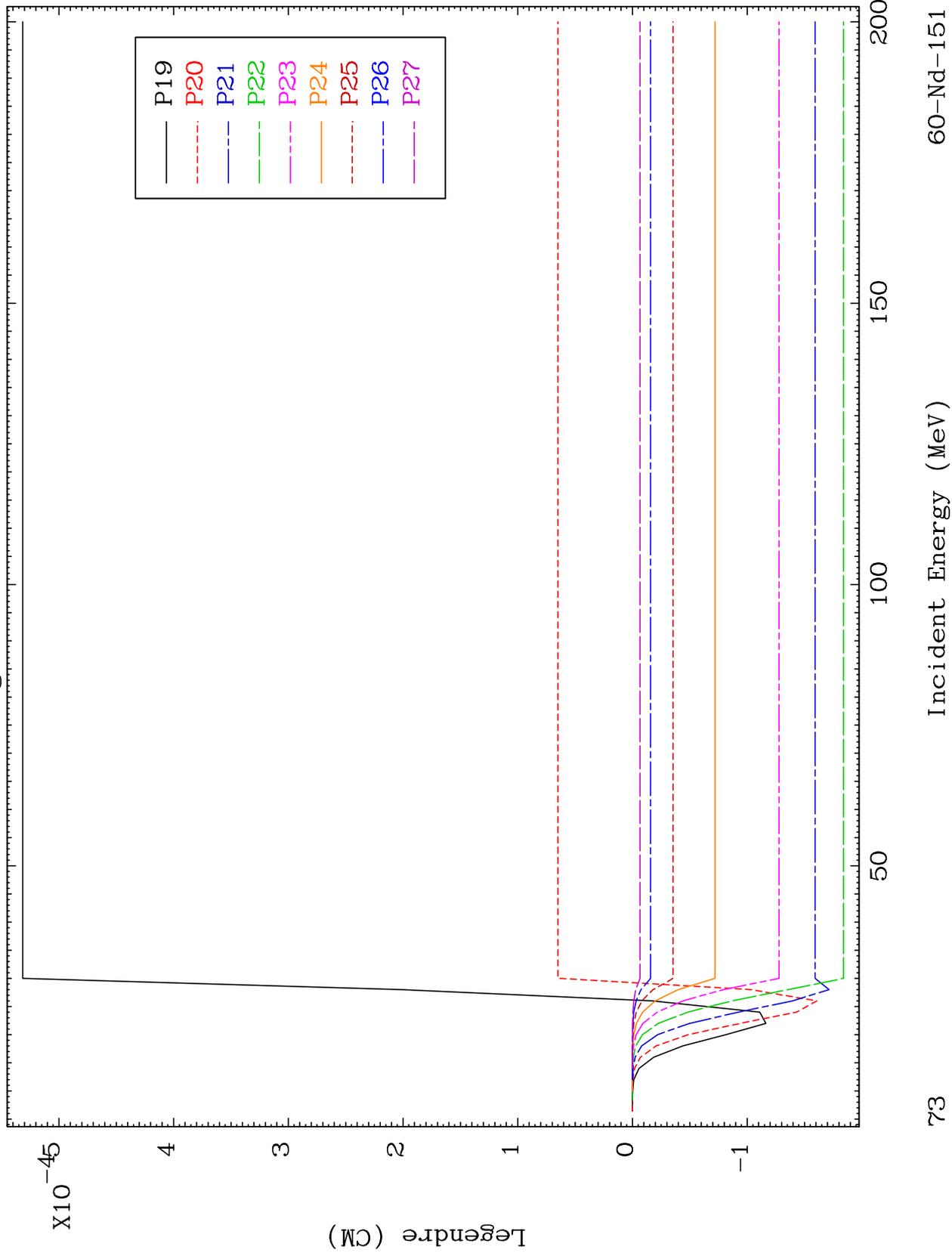


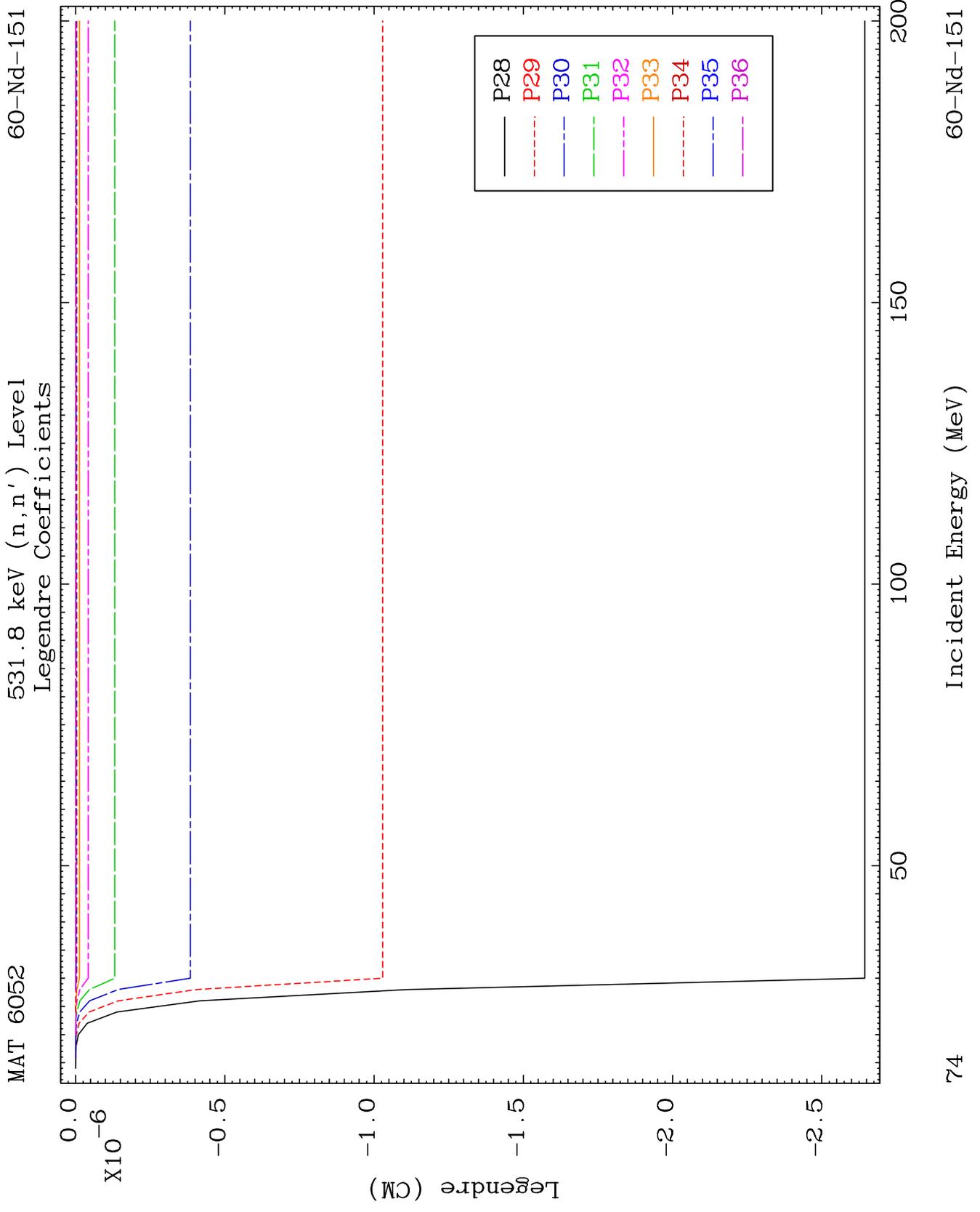


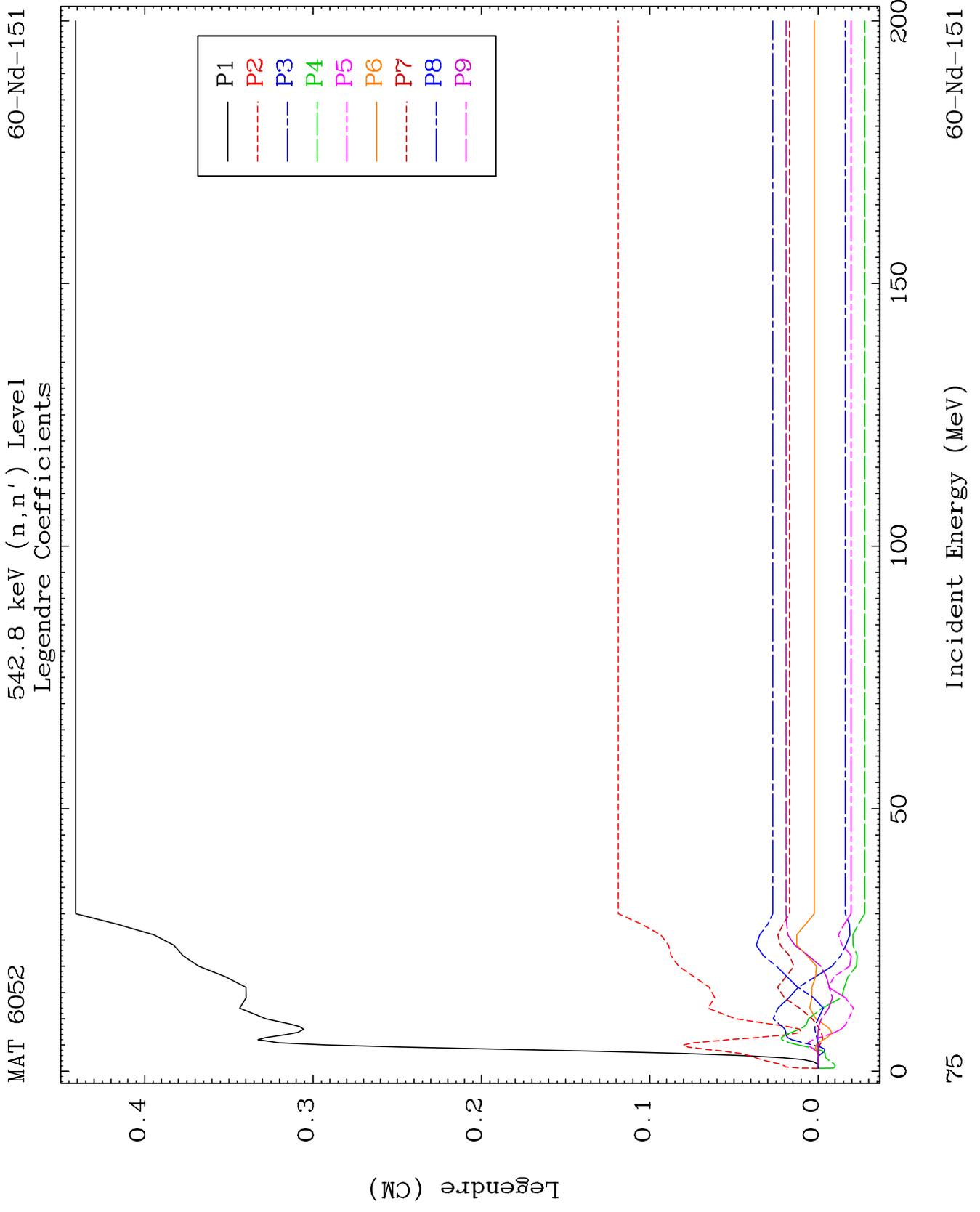
MAT 6052

531.8 keV (n,n') Level  
Legendre Coefficients

60-Nd-151



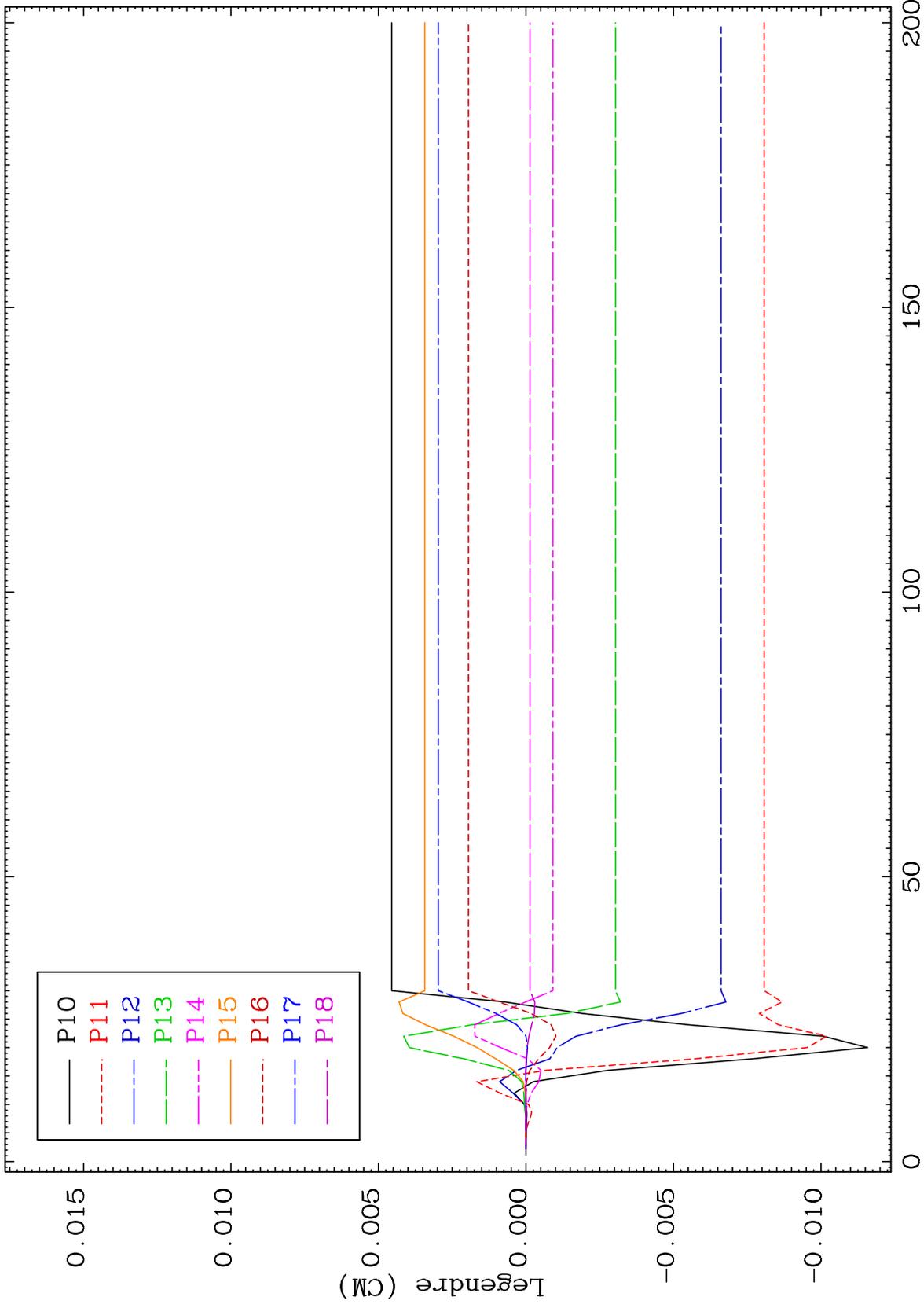




MAT 6052

542.8 keV (n, n') Level  
Legendre Coefficients

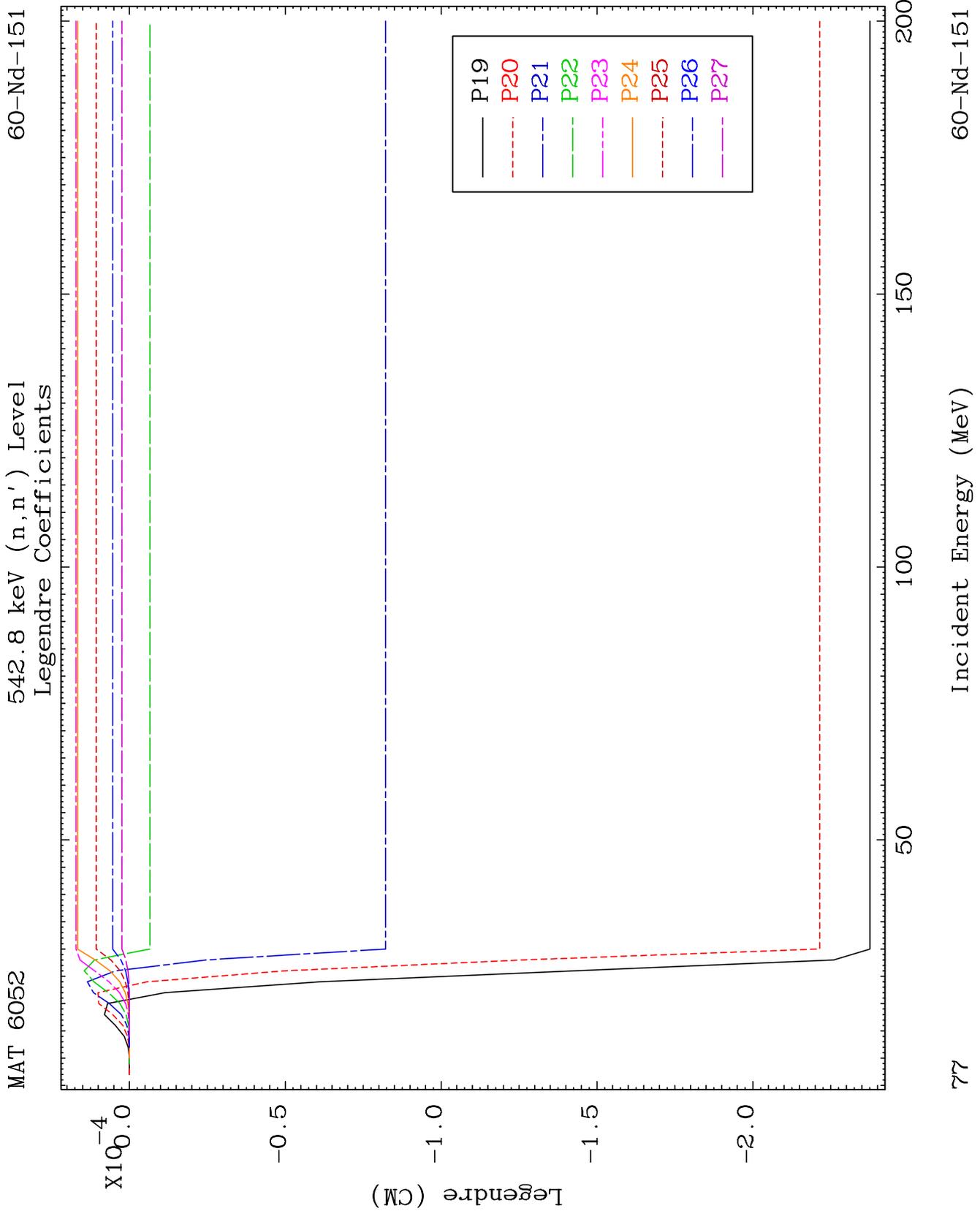
60-Nd-151



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Incident Energy (MeV)

60-Nd-151



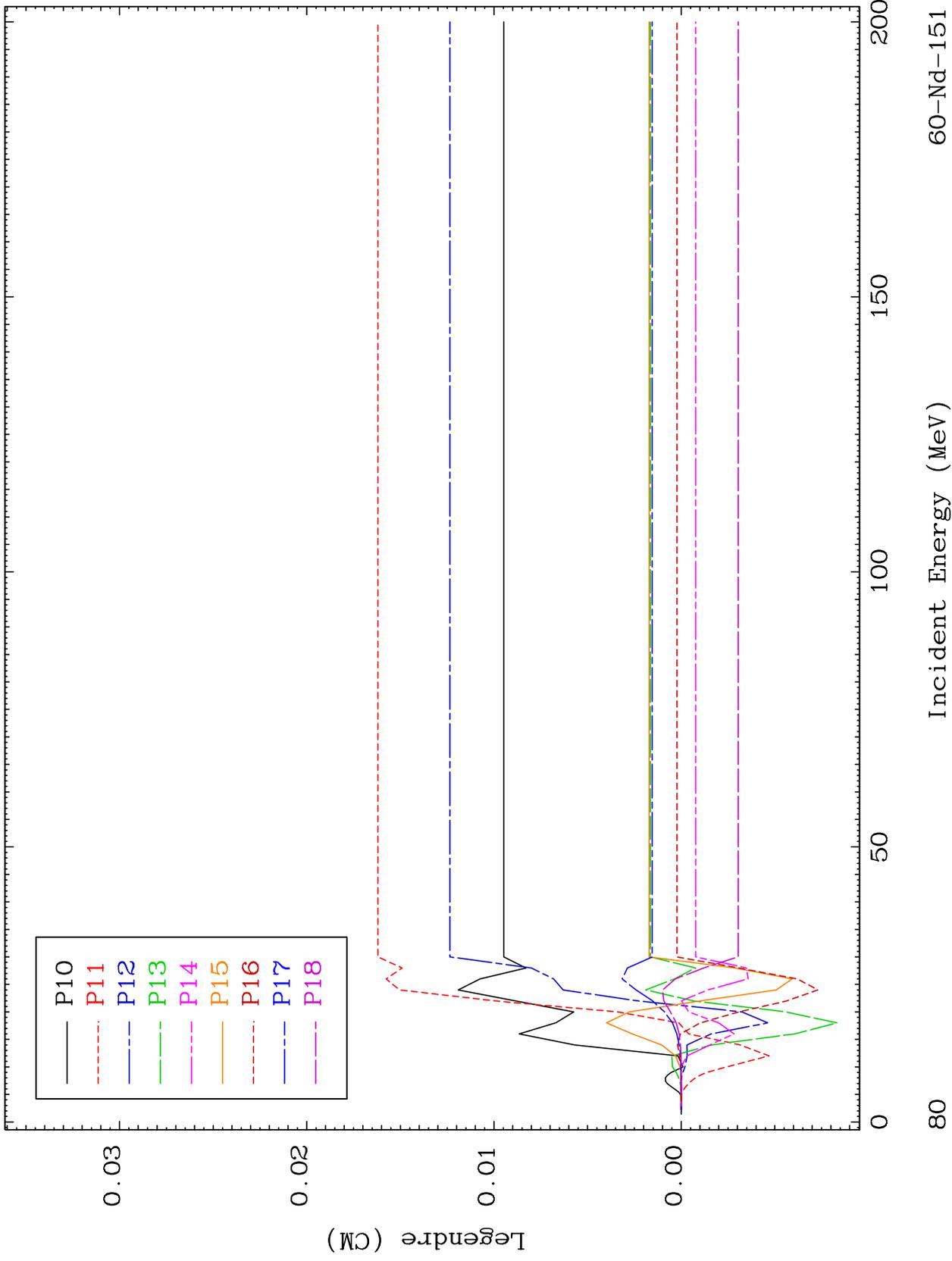




MAT 6052

581.0 keV (n,n') Level  
Legendre Coefficients

60-Nd-151



60-Nd-151

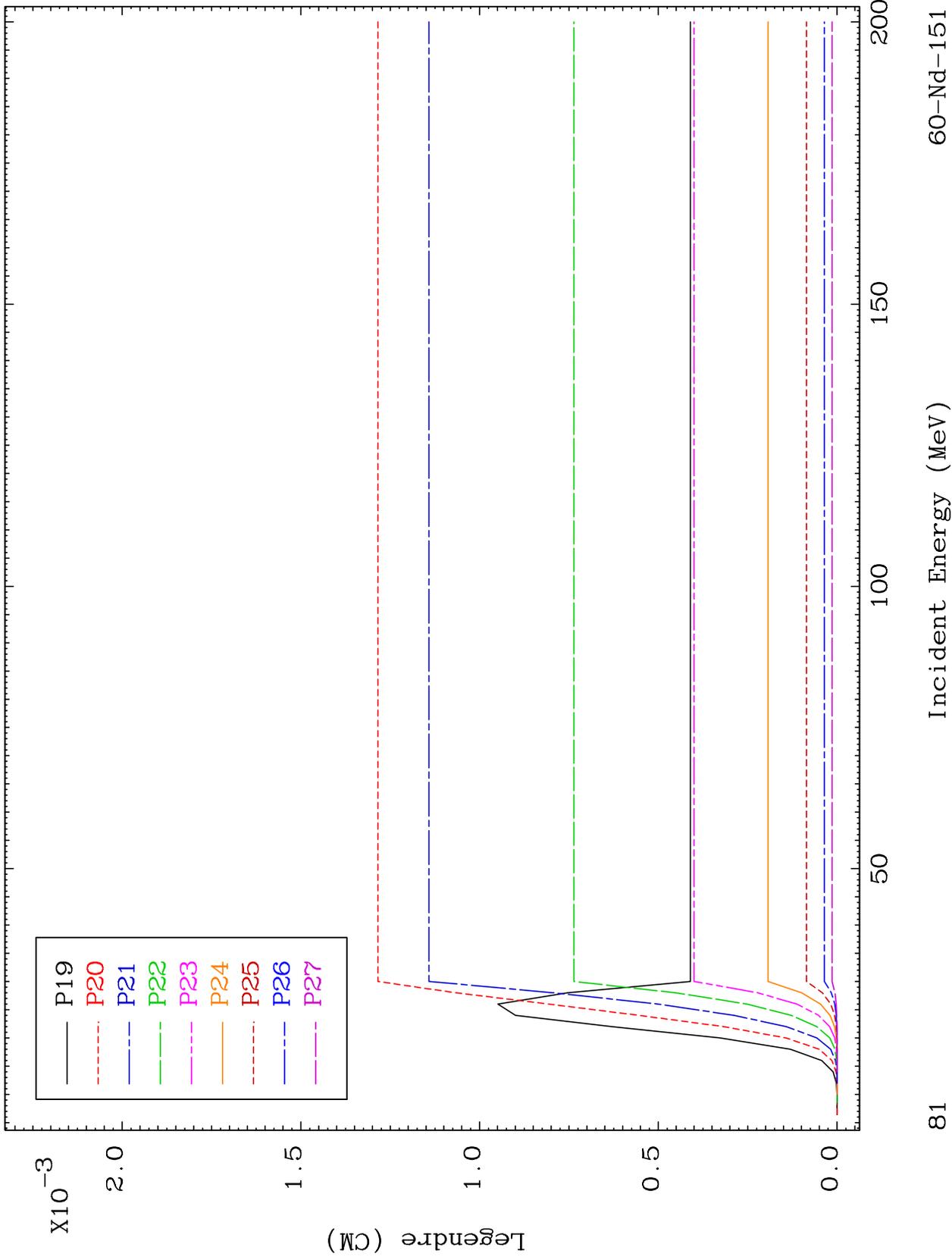
Incident Energy (MeV)

80

MAT 6052

581.0 keV (n,n') Level  
Legendre Coefficients

60-Nd-151

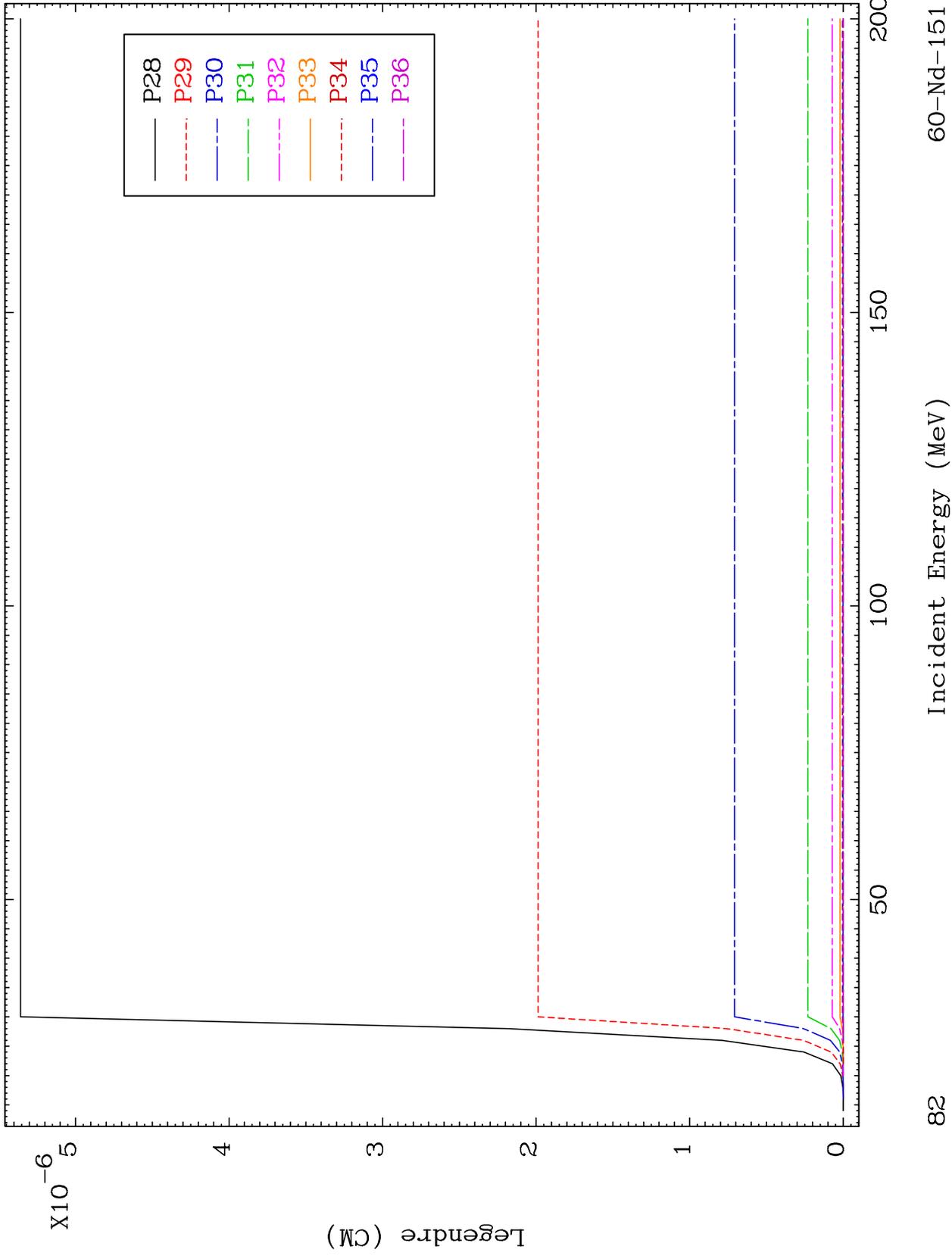


81

MAT 6052

581.0 keV (n,n') Level  
Legendre Coefficients

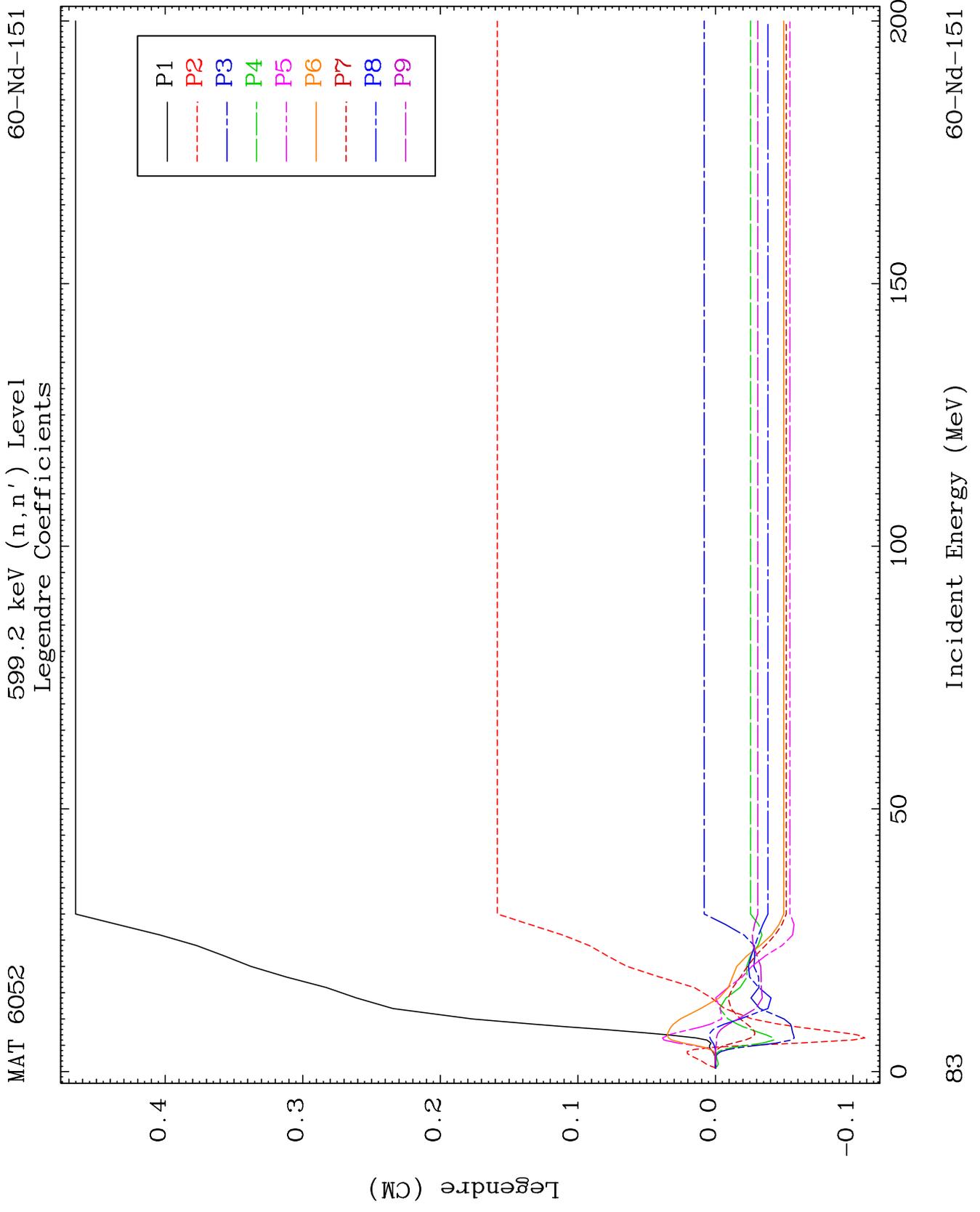
60-Nd-151



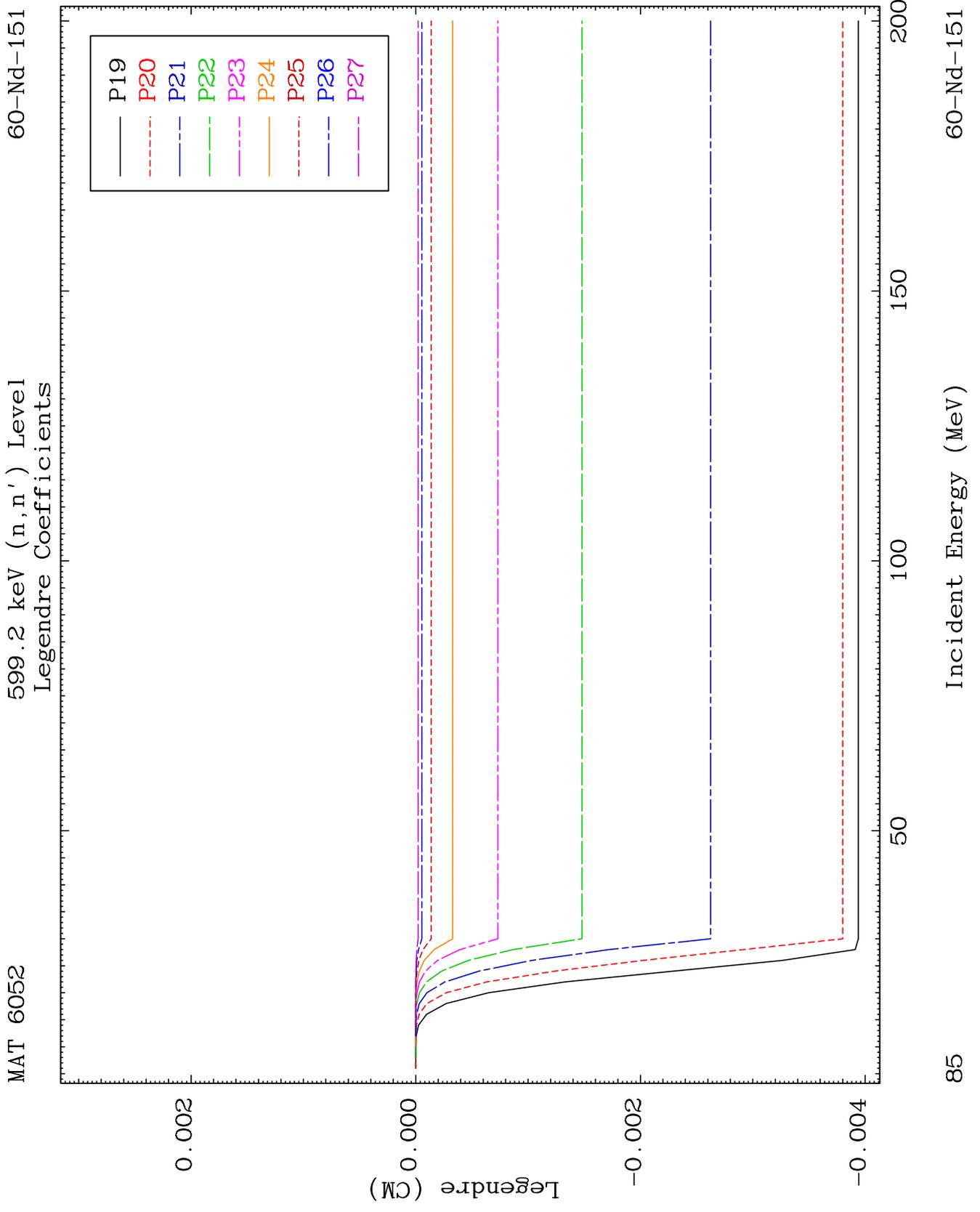
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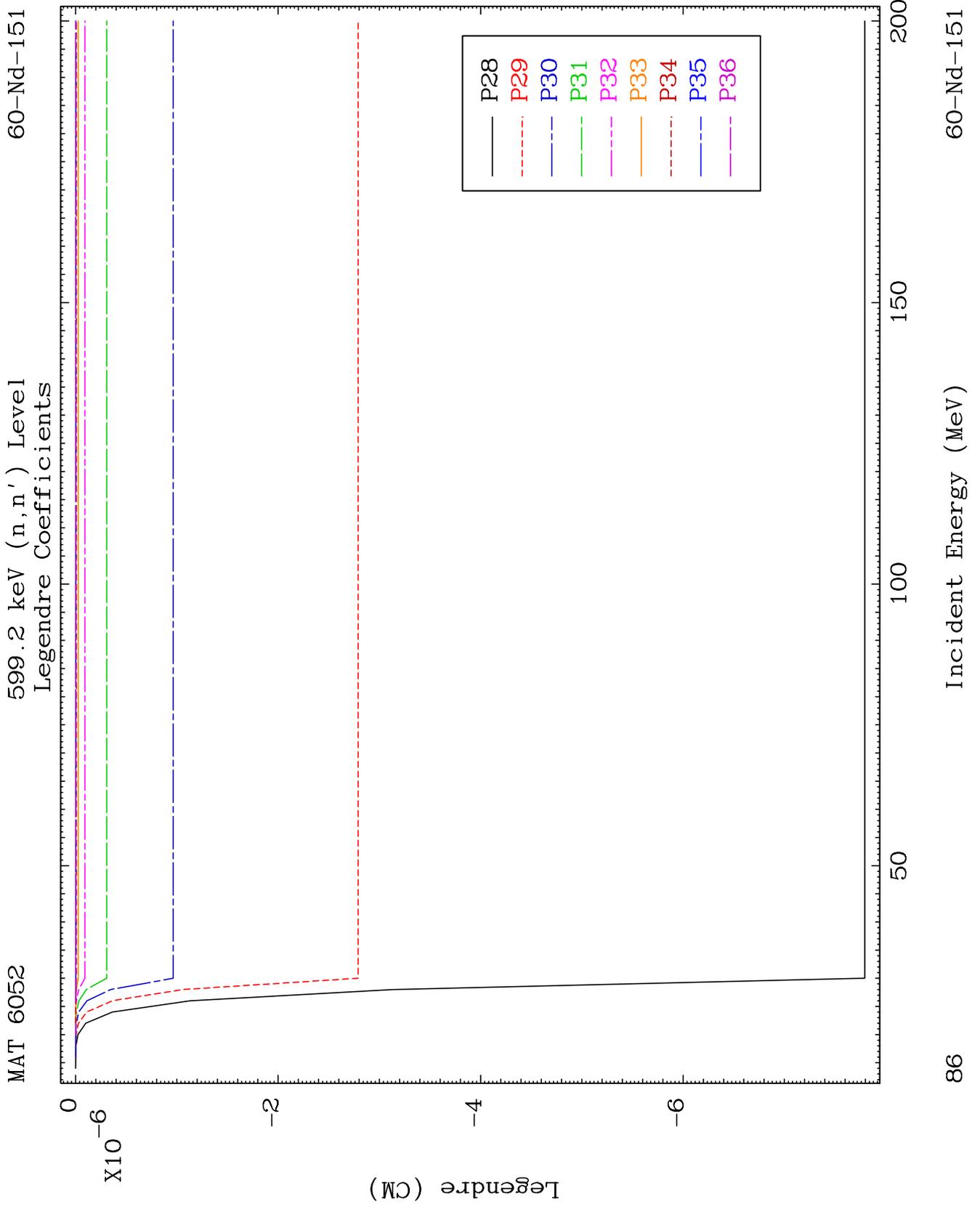
Incident Energy (MeV)

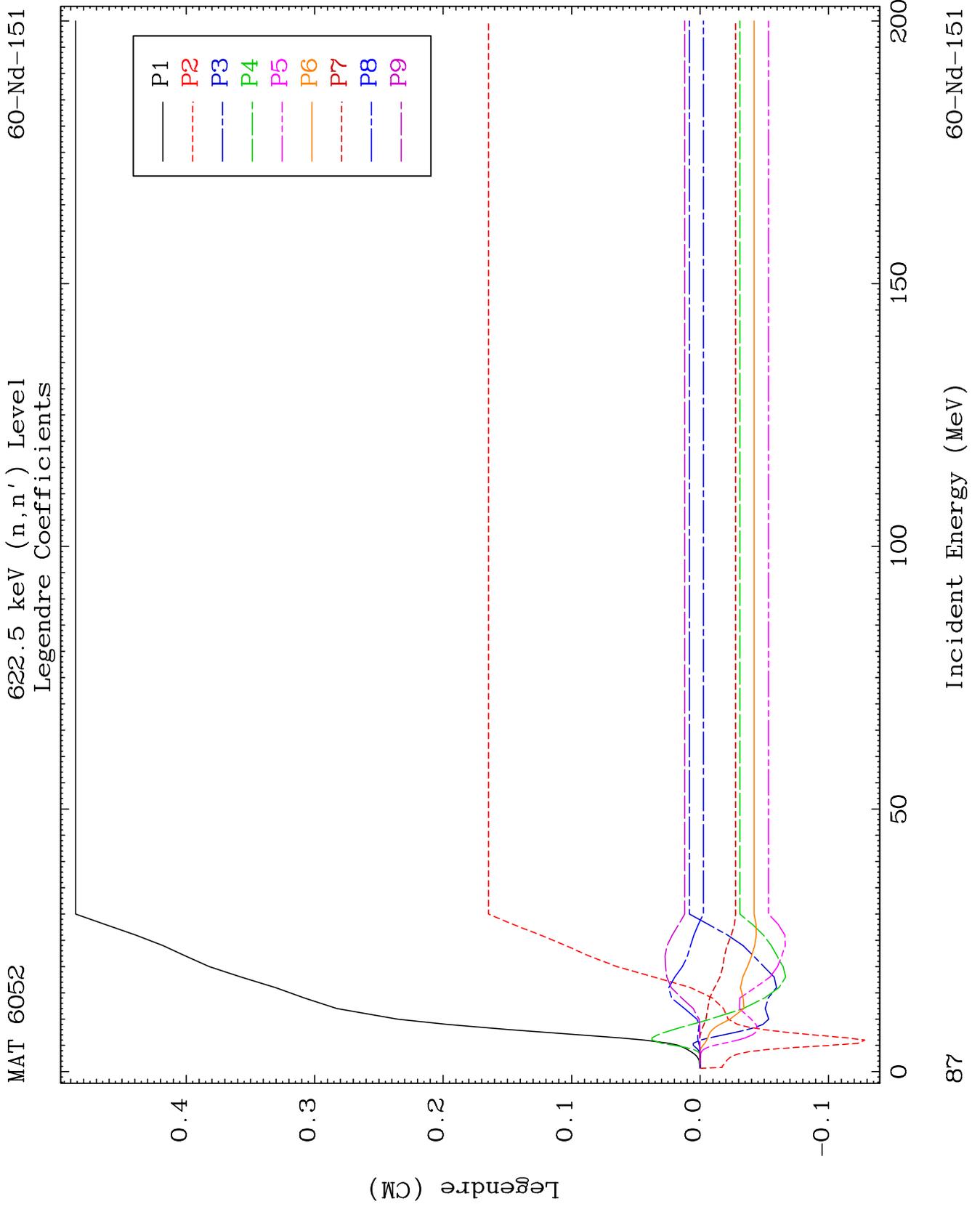
60-Nd-151







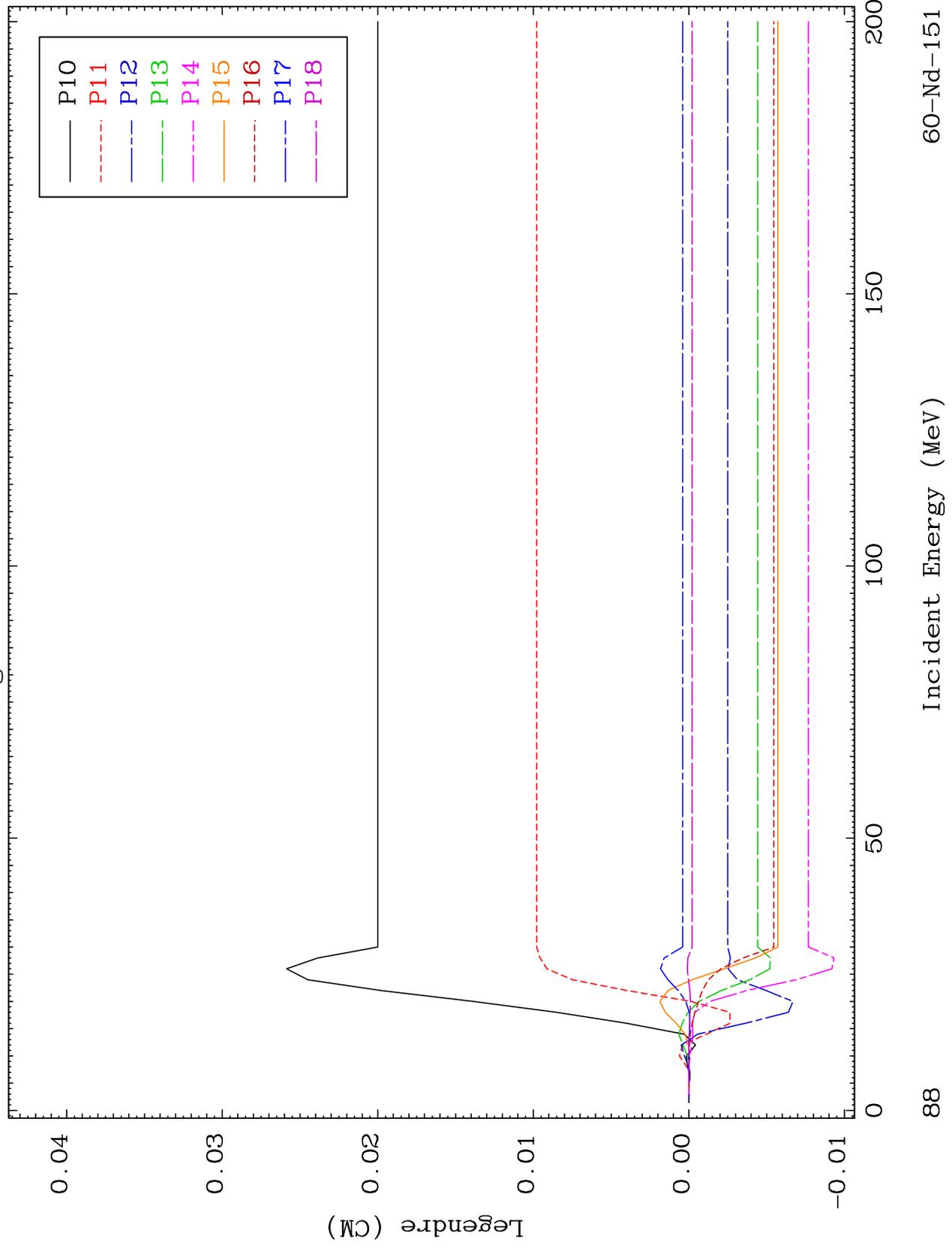




MAT 6052

622.5 keV (n,n') Level  
Legendre Coefficients

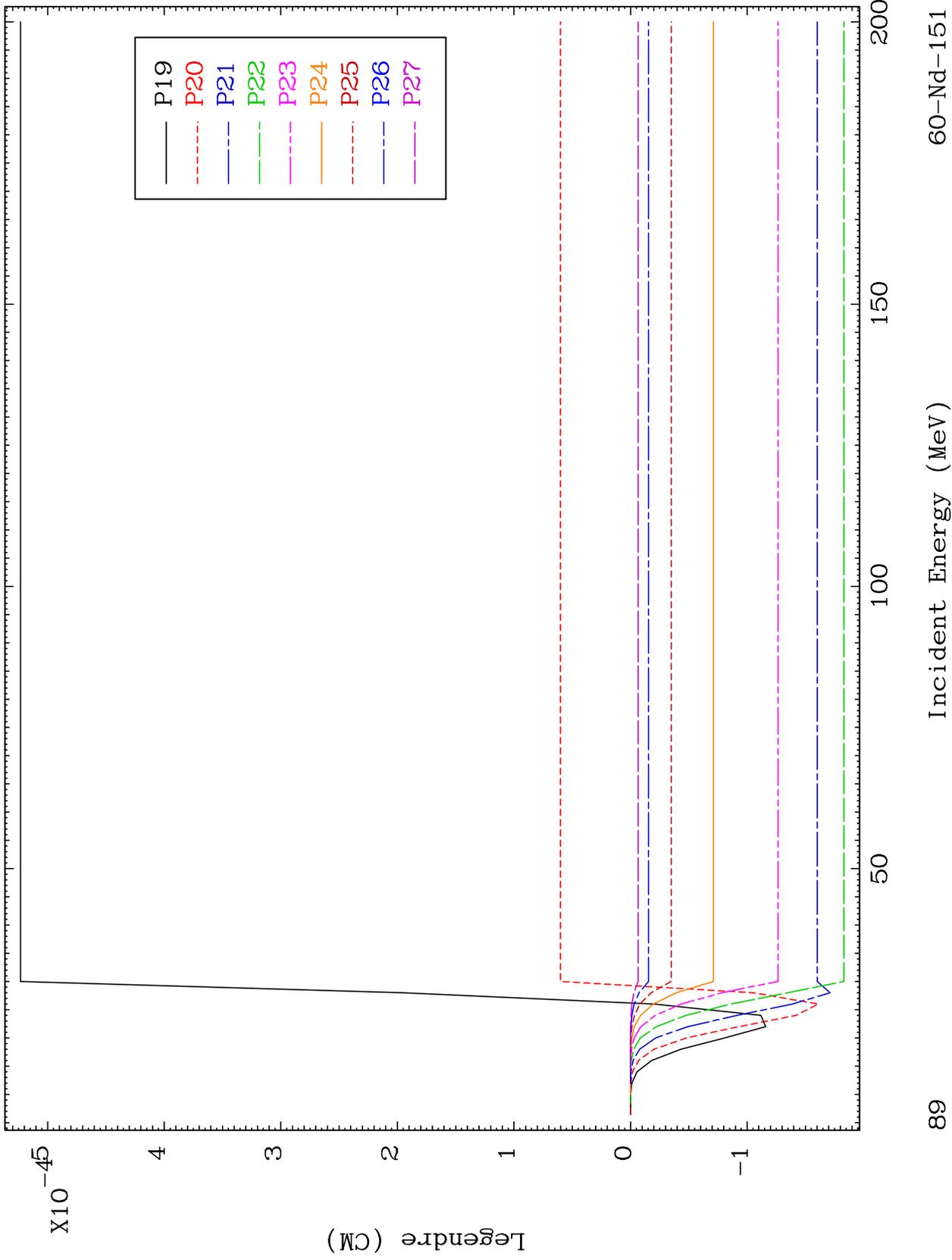
60-Nd-151

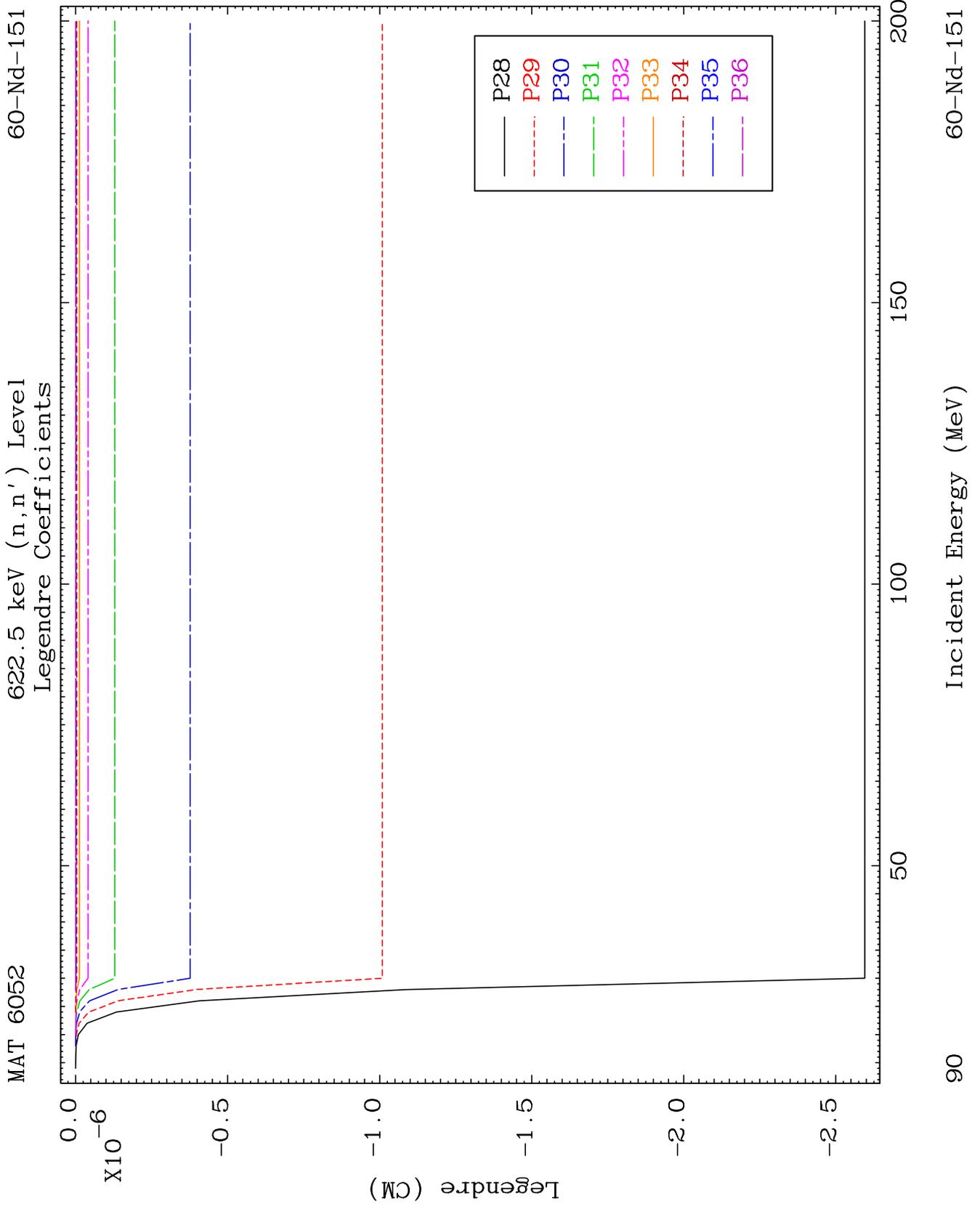


60-Nd-151

Incident Energy (MeV)

88

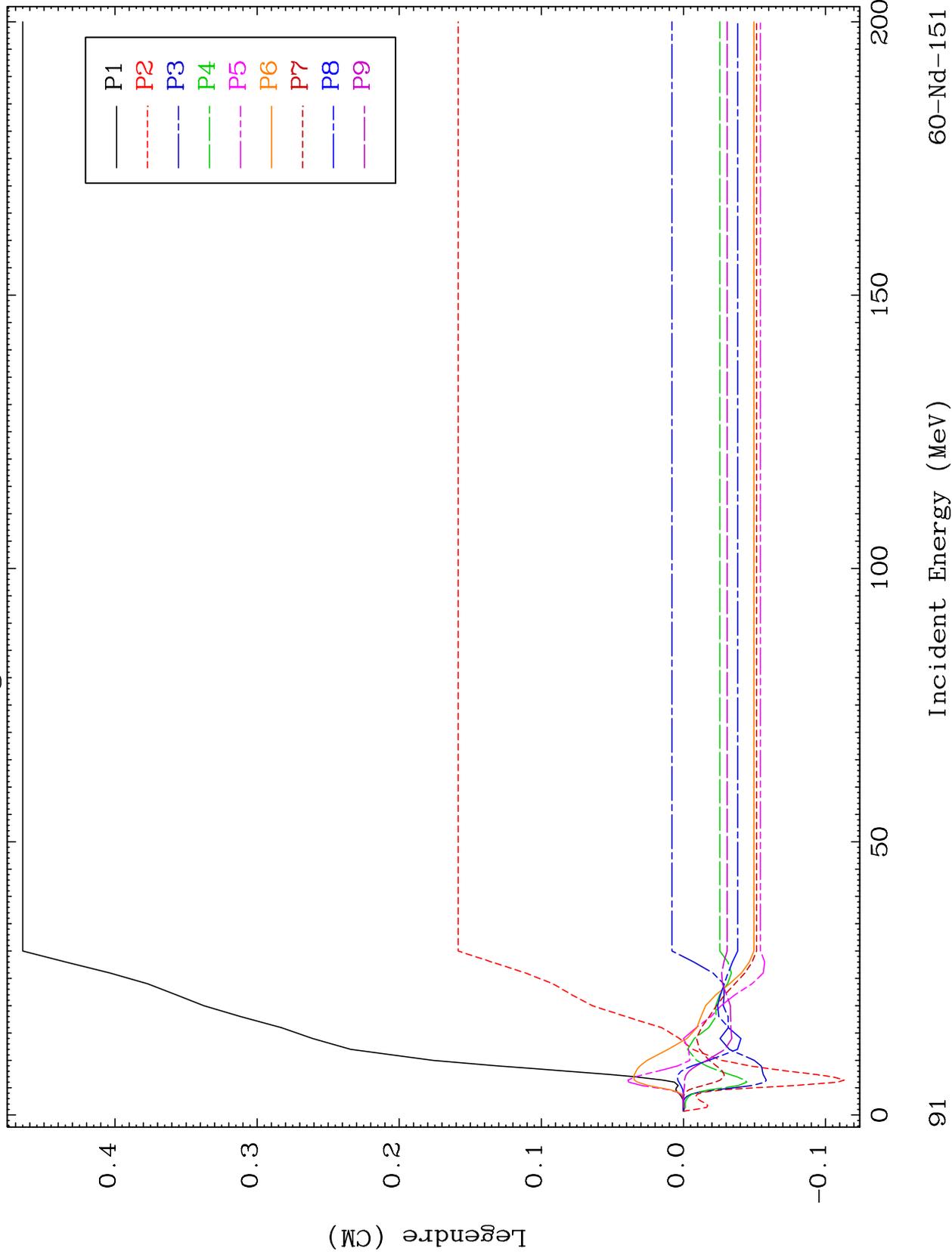




MAT 6052

626.7 keV (n,n') Level  
Legendre Coefficients

60-Nd-151



91

Incident Energy (MeV)

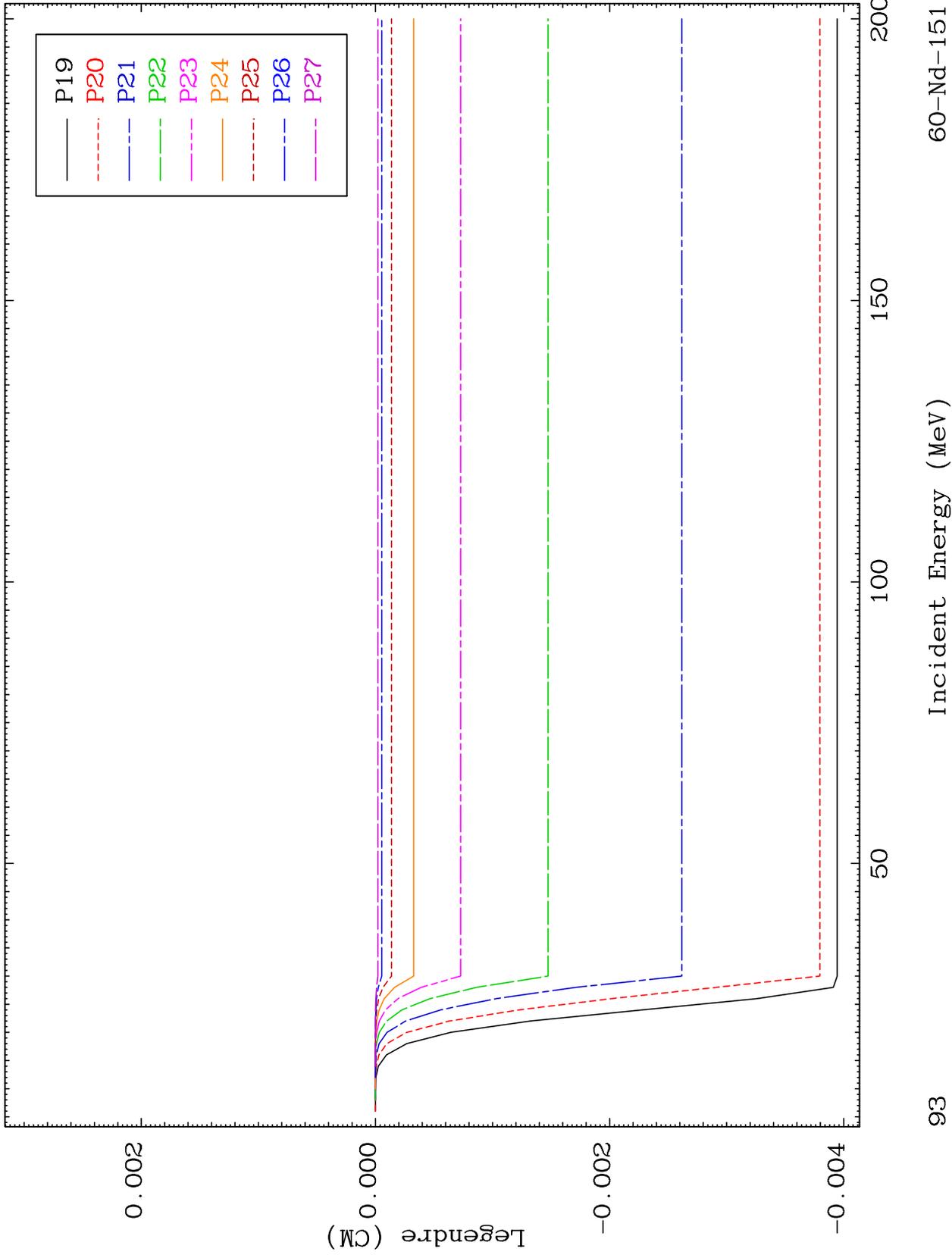
60-Nd-151



MAT 6052

626.7 keV (n,n') Level  
Legendre Coefficients

60-Nd-151



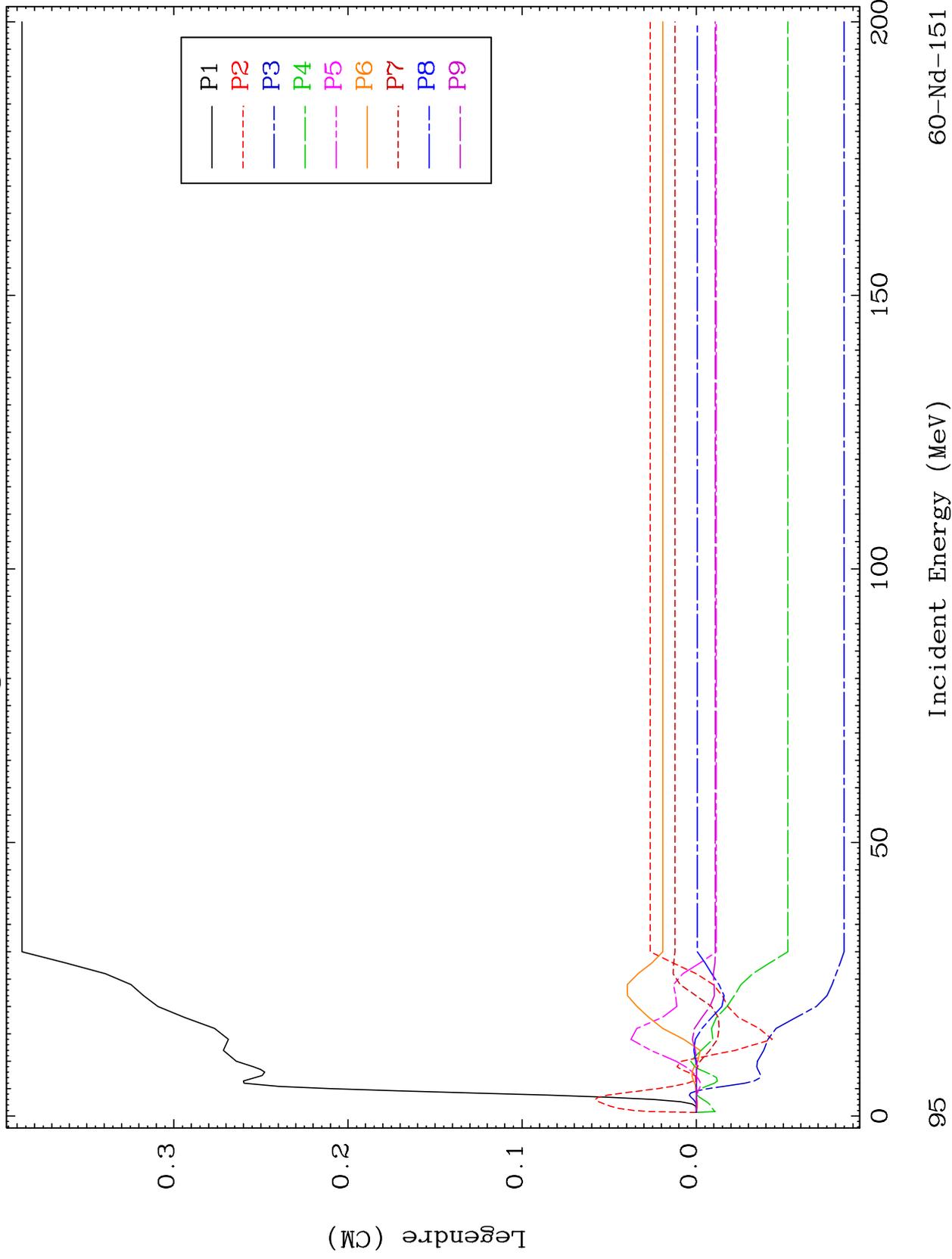
93



MAT 6052

634.8 keV (n,n') Level  
Legendre Coefficients

60-Nd-151



60-Nd-151

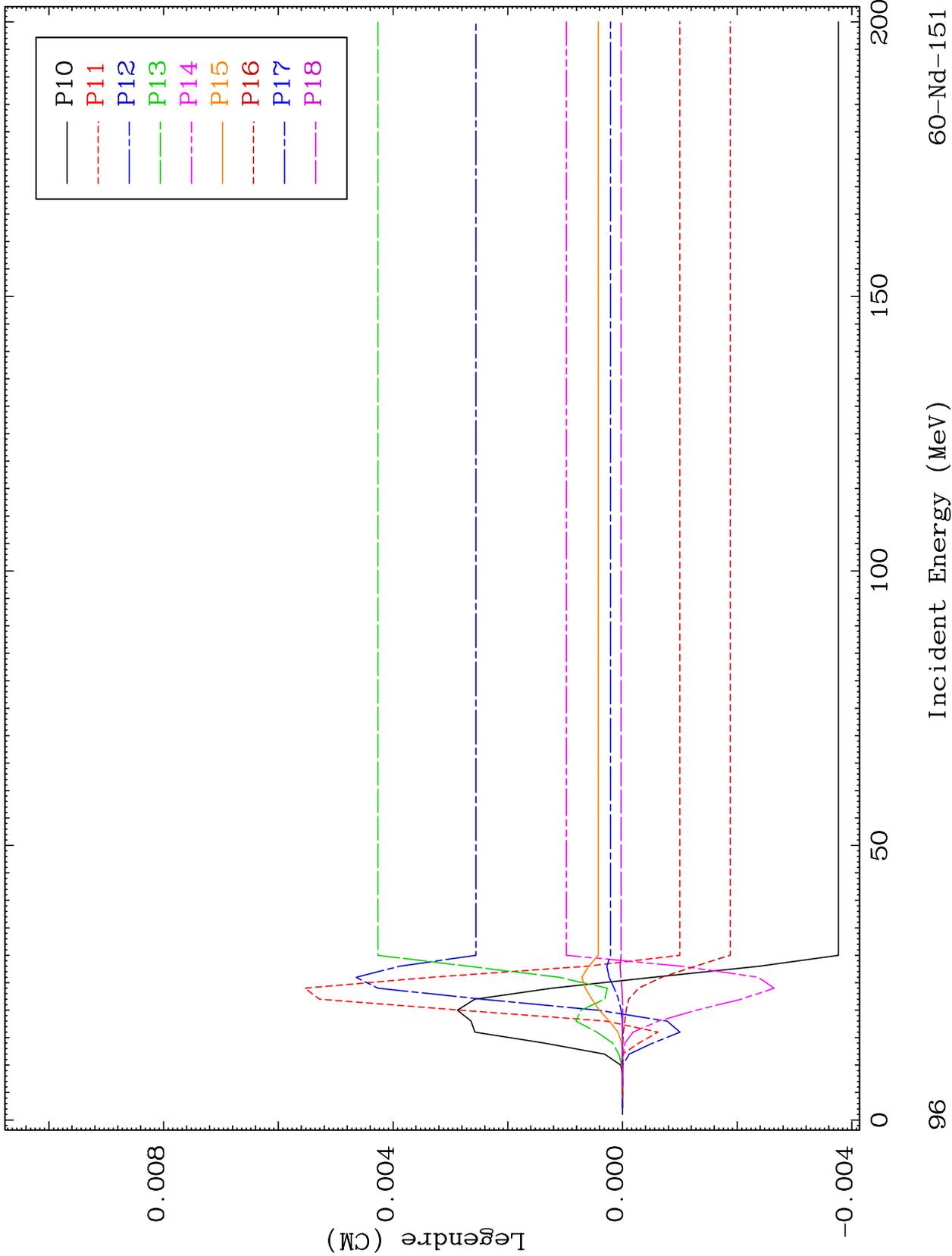
Incident Energy (MeV)

95

MAT 6052

634.8 keV (n,n') Level  
Legendre Coefficients

60-Nd-151



96

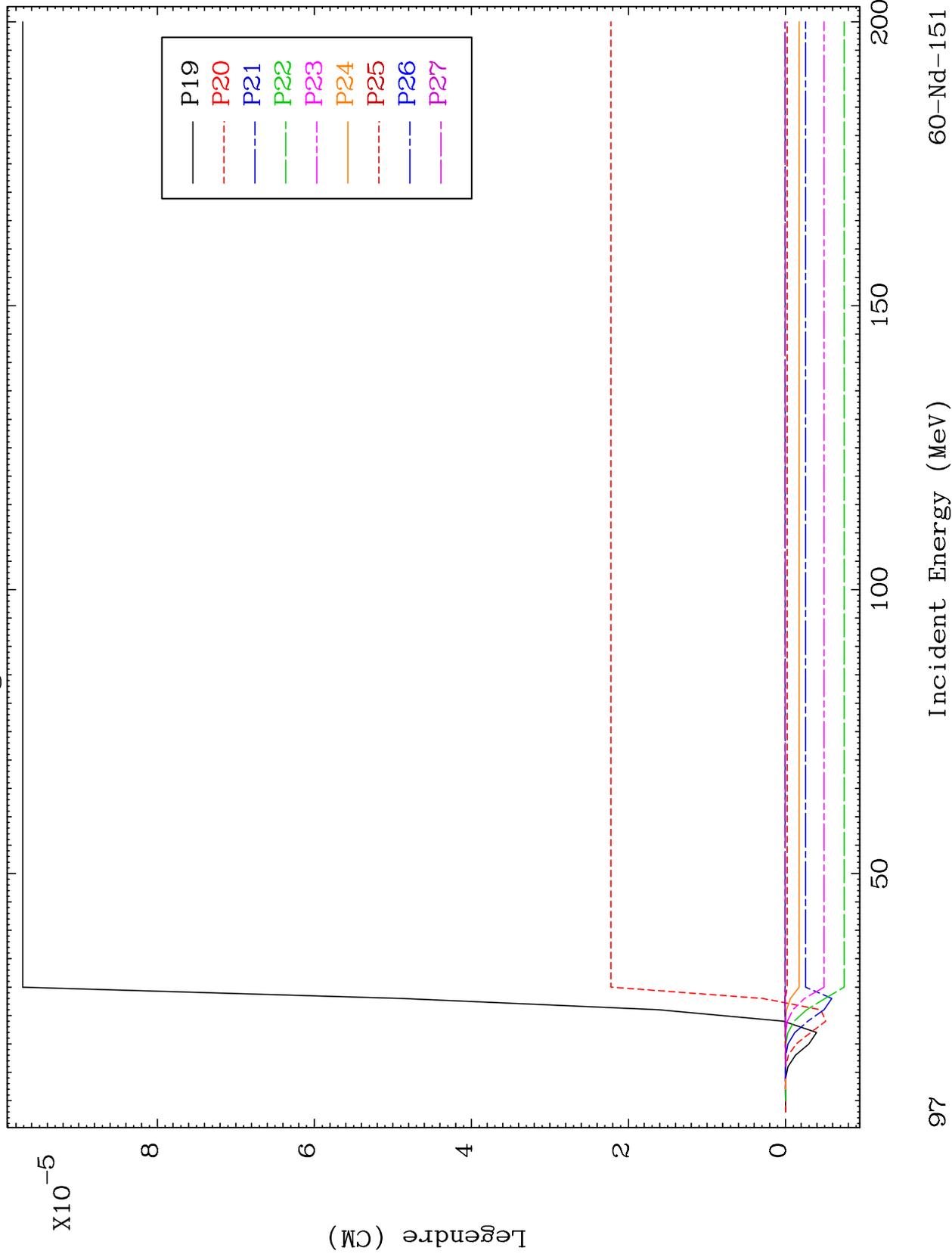
Incident Energy (MeV)

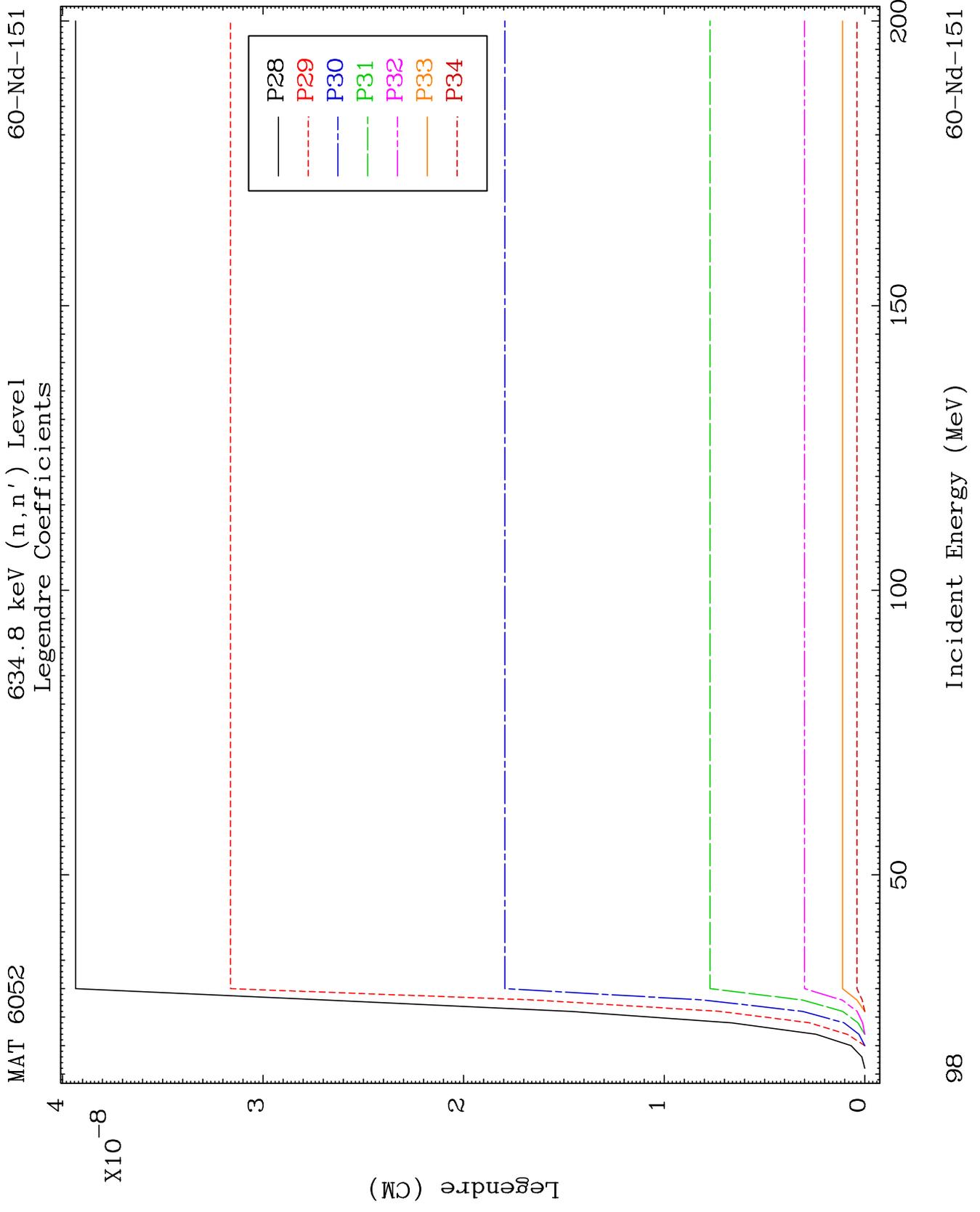
60-Nd-151

MAT 6052

634.8 keV (n,n') Level  
Legendre Coefficients

60-Nd-151



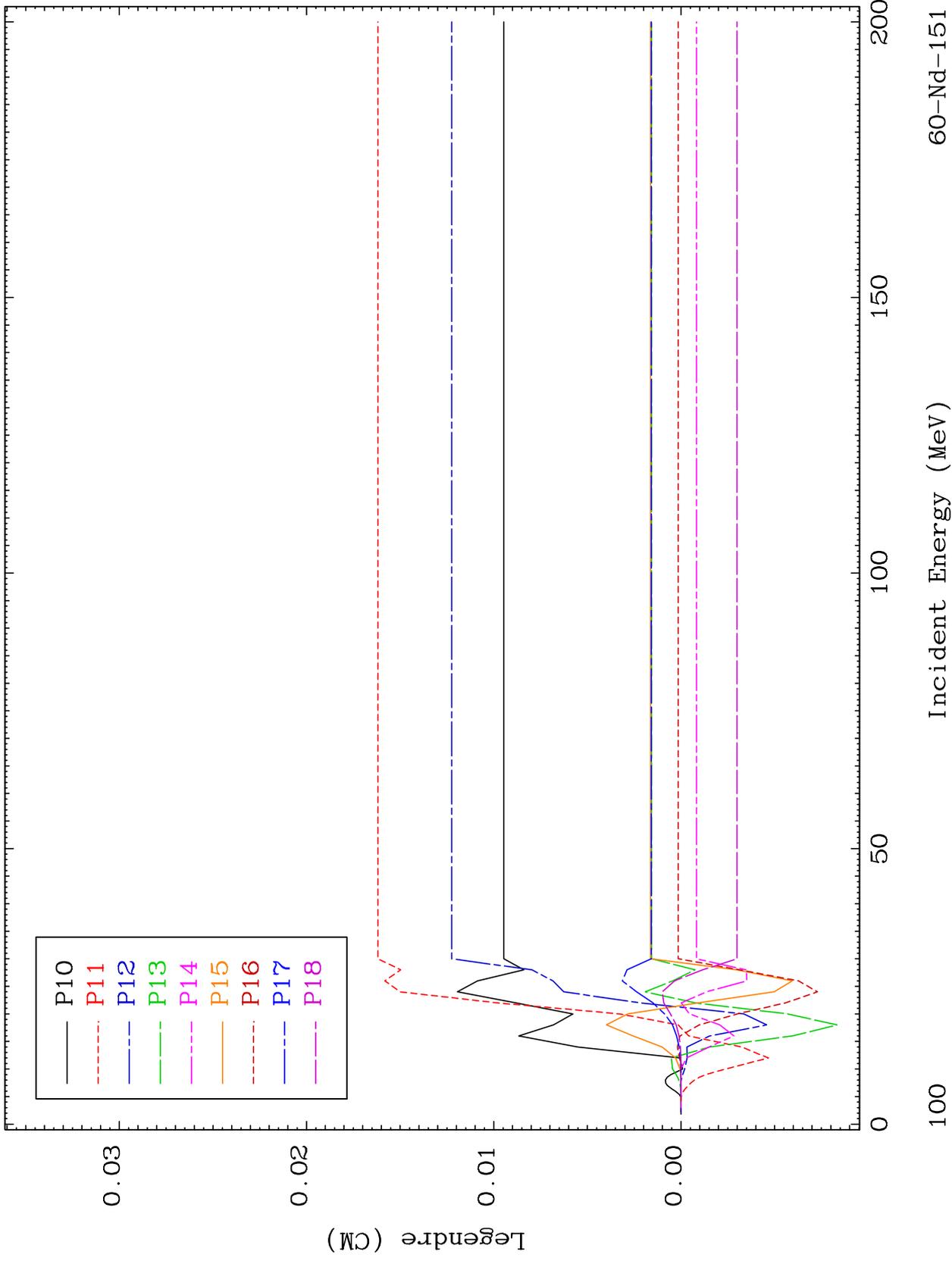




MAT 6052

673.9 keV (n, n') Level  
Legendre Coefficients

60-Nd-151



60-Nd-151

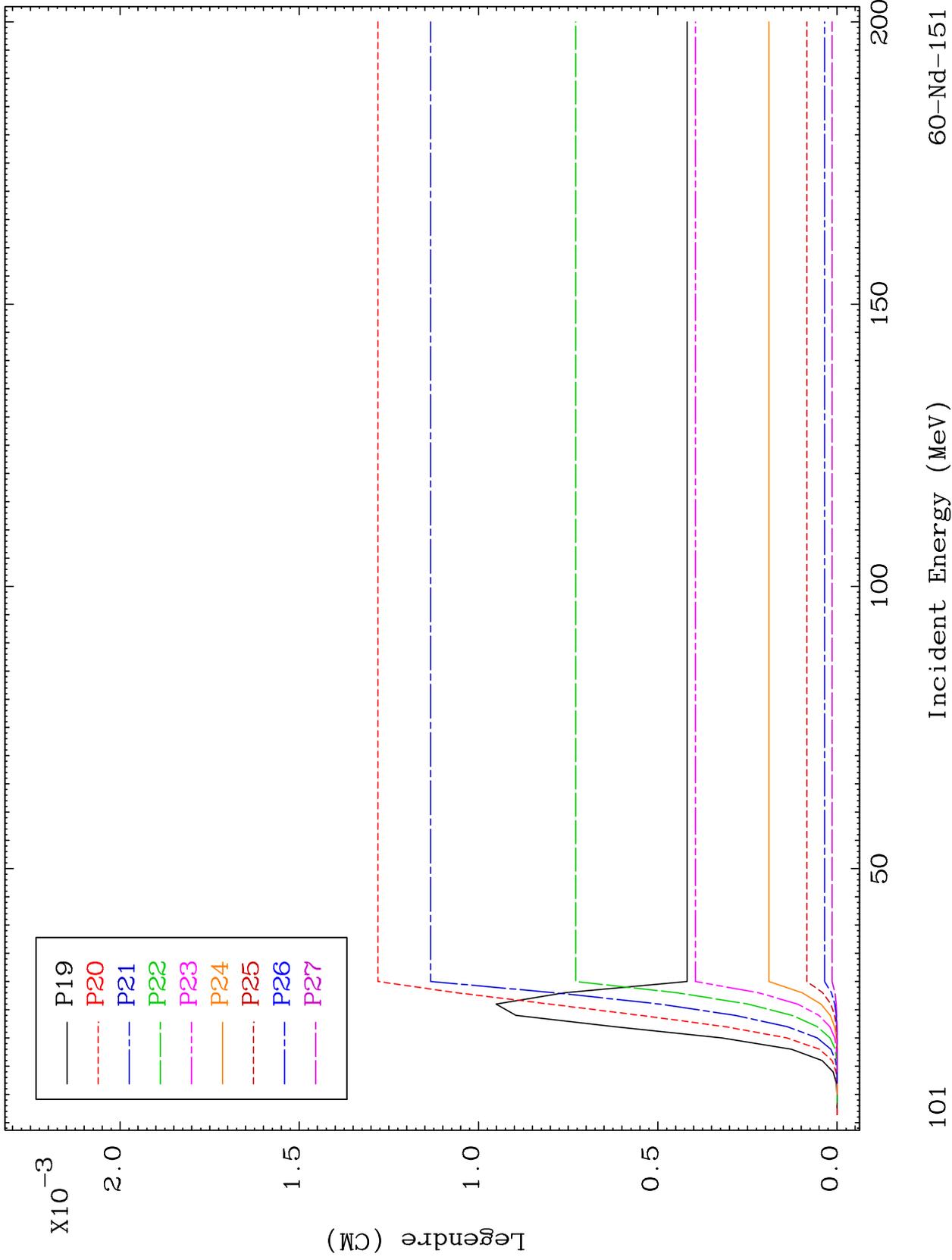
Incident Energy (MeV)

100

MAT 6052

673.9 keV (n, n') Level  
Legendre Coefficients

60-Nd-151

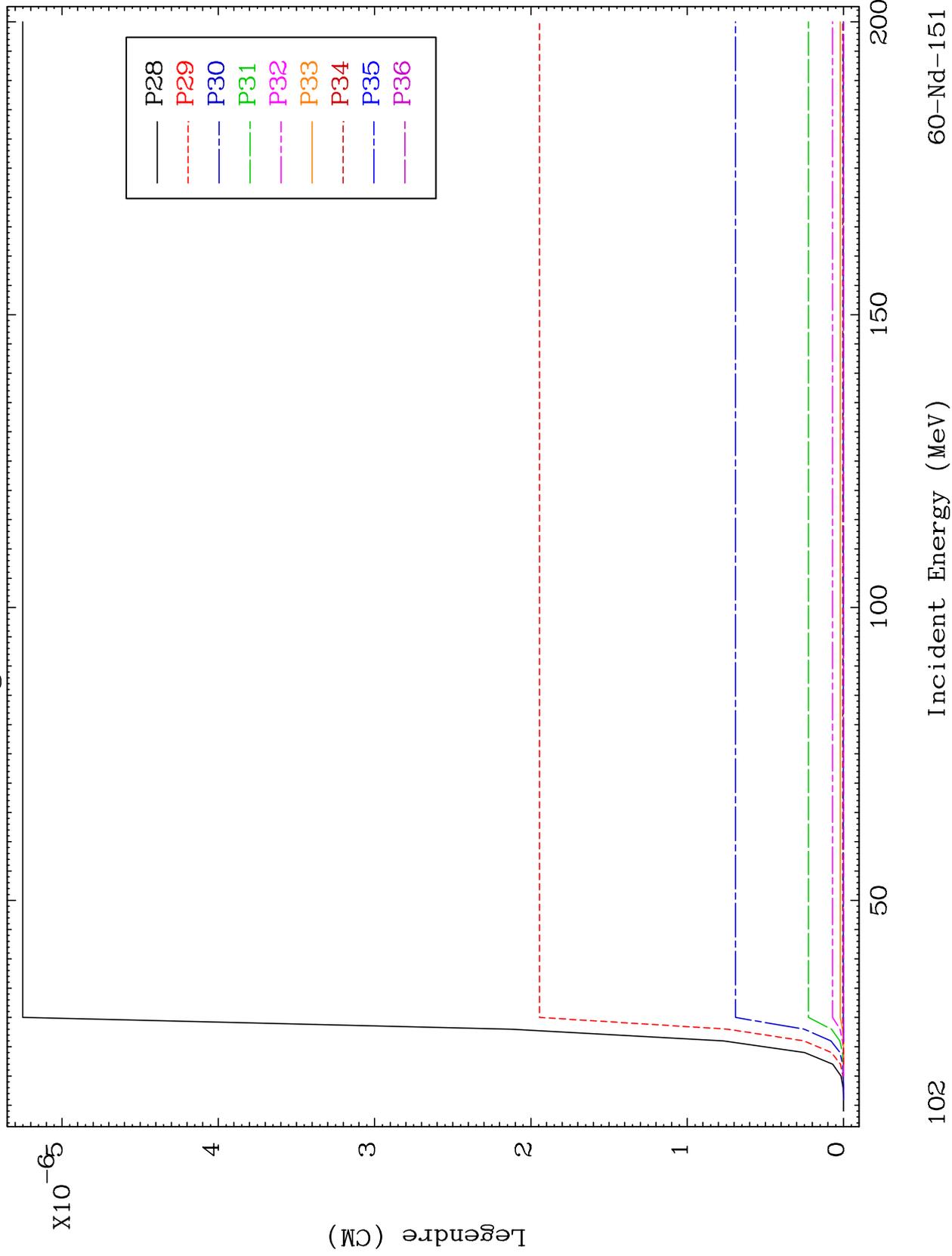


101

MAT 6052

673.9 keV (n, n') Level  
Legendre Coefficients

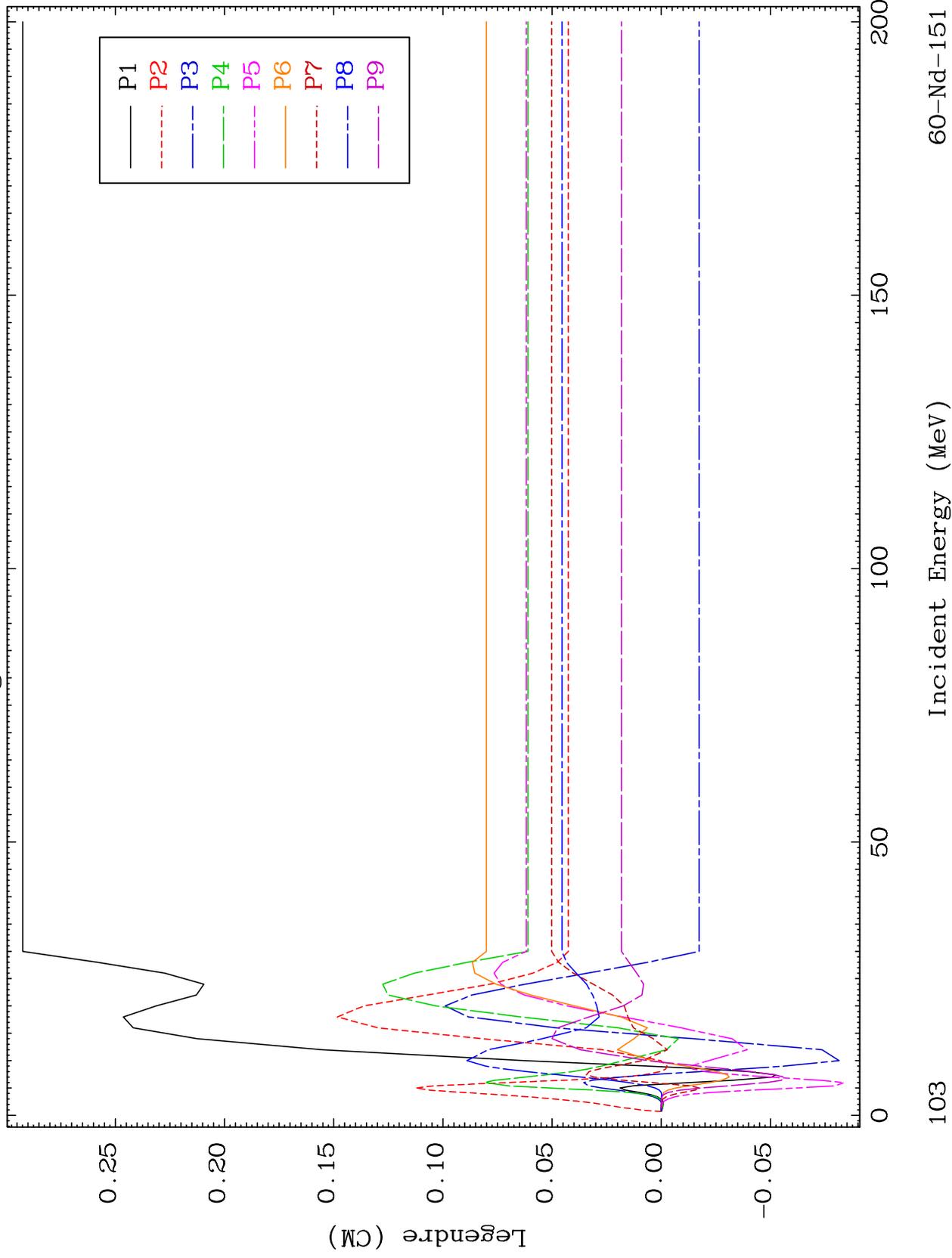
60-Nd-151



MAT 6052

685.3 keV (n,n') Level  
Legendre Coefficients

60-Nd-151



60-Nd-151

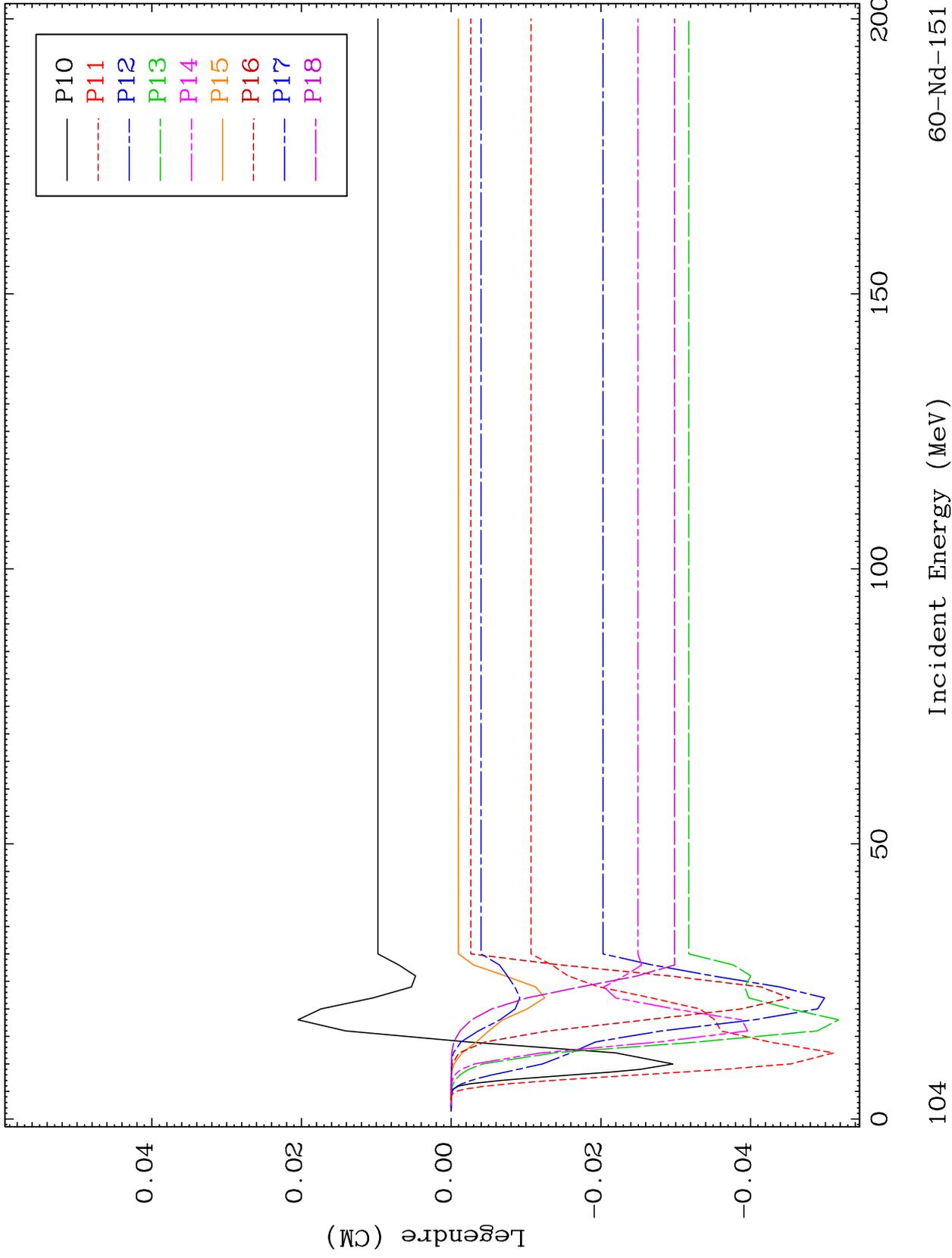
Incident Energy (MeV)

103

MAT 6052

685.3 keV (n,n') Level  
Legendre Coefficients

60-Nd-151



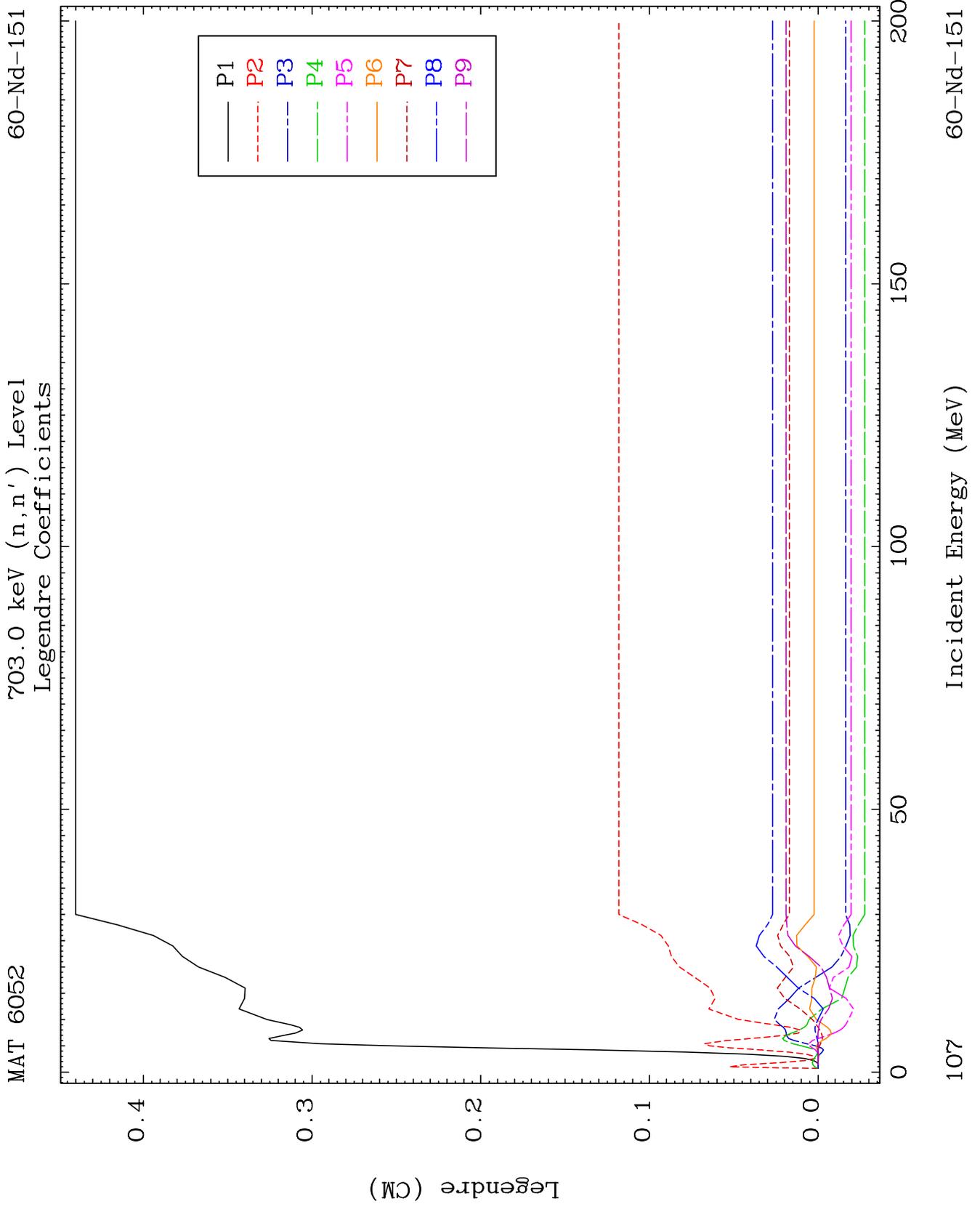
60-Nd-151

Incident Energy (MeV)

104



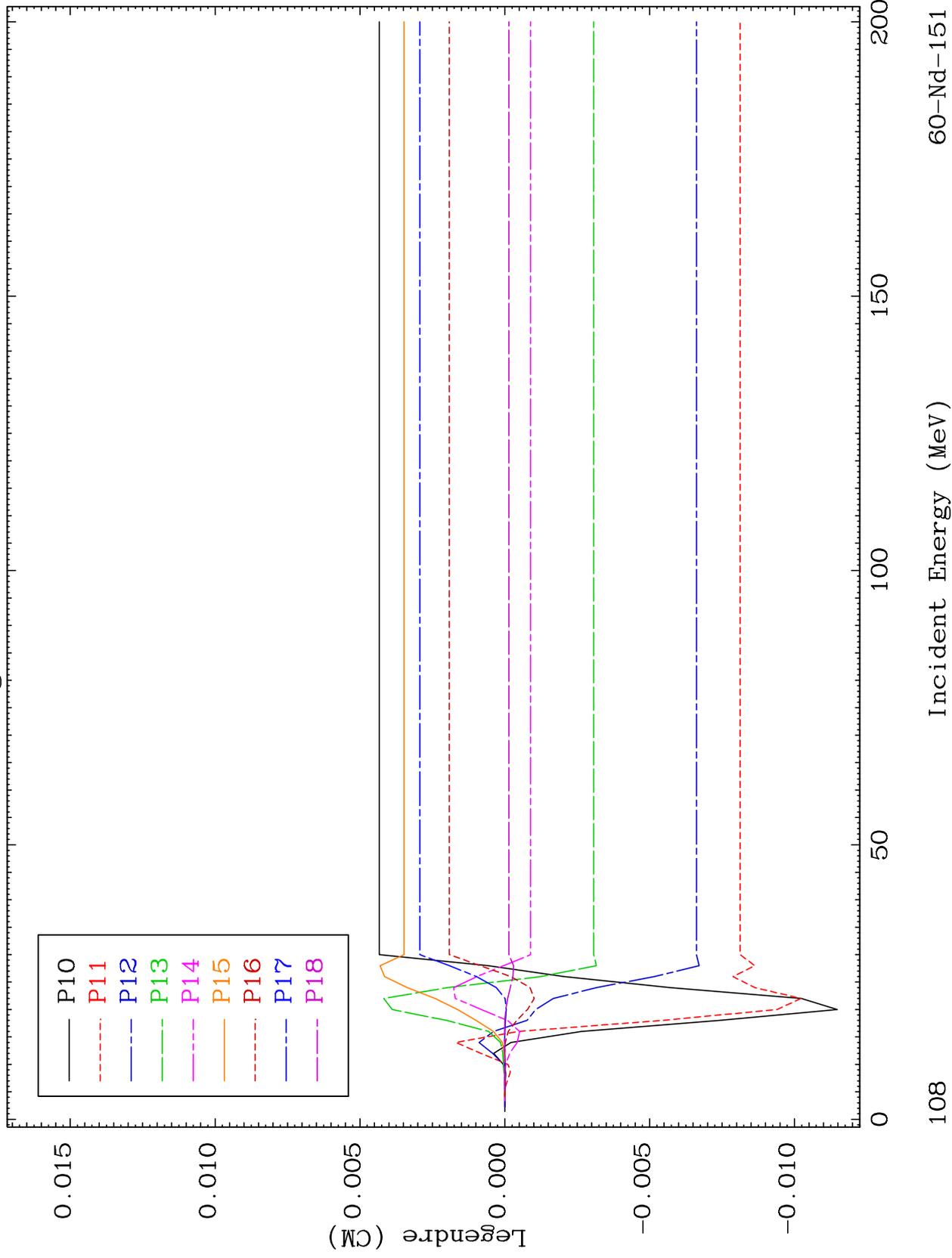




MAT 6052

703.0 keV (n,n') Level  
Legendre Coefficients

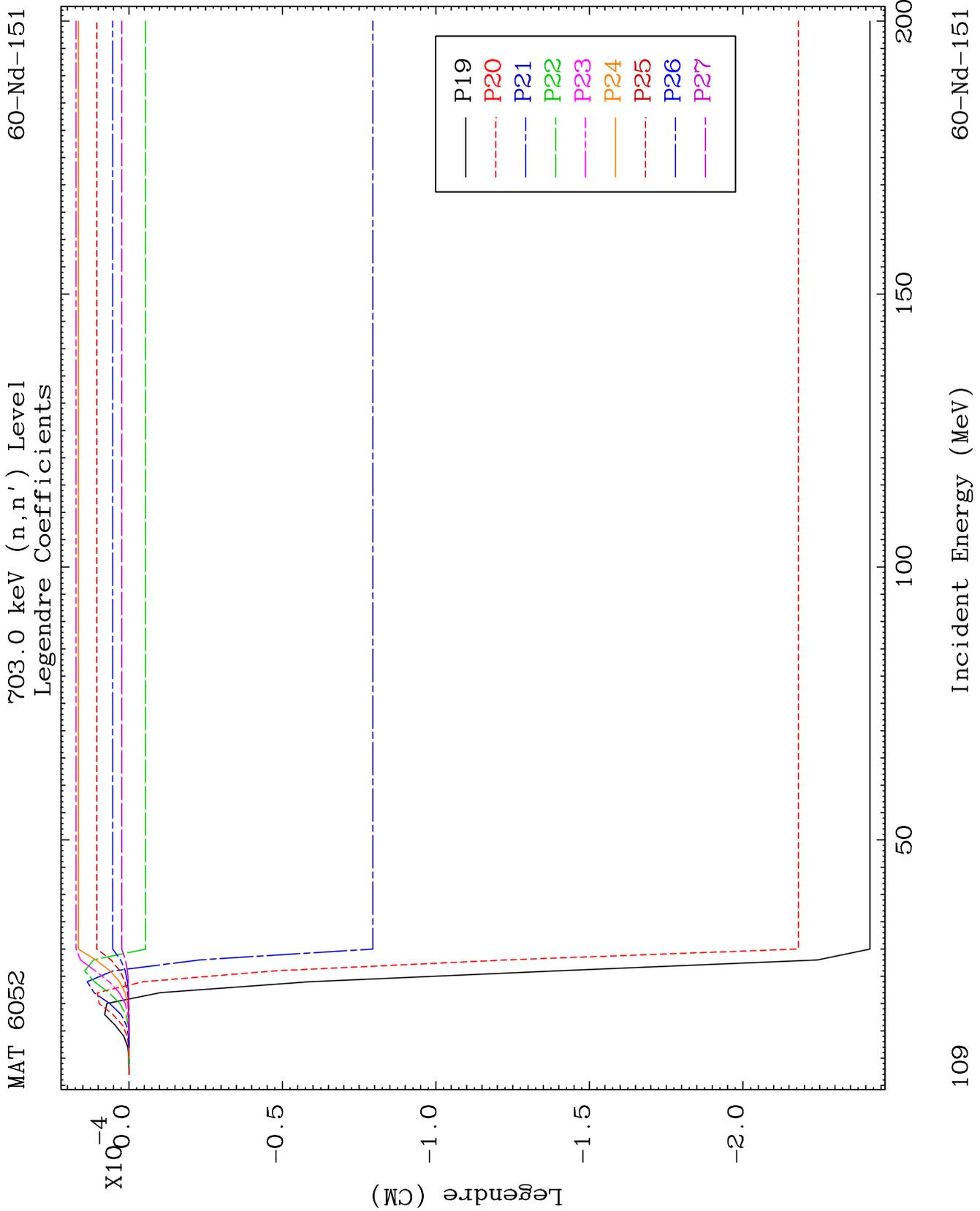
60-Nd-151

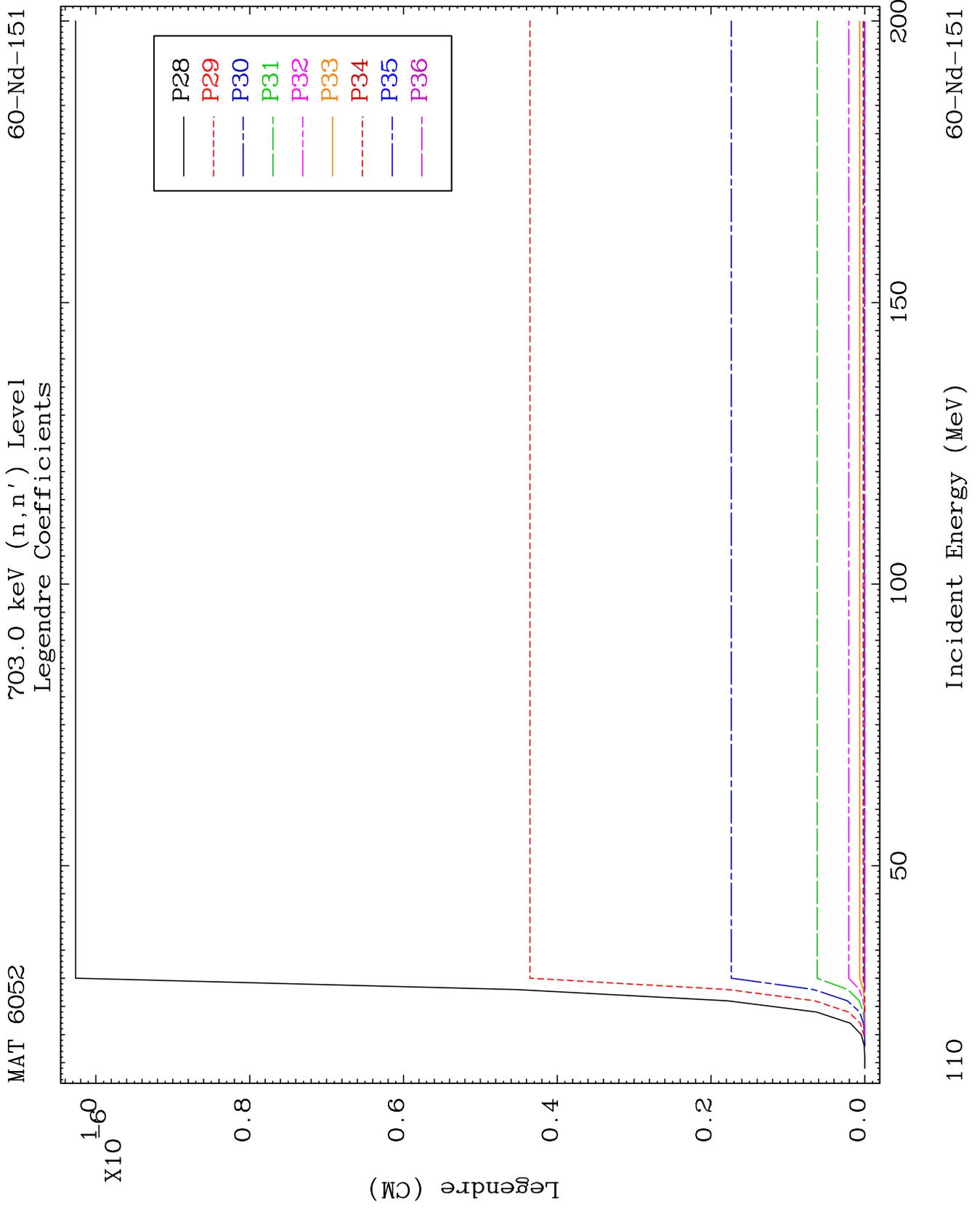


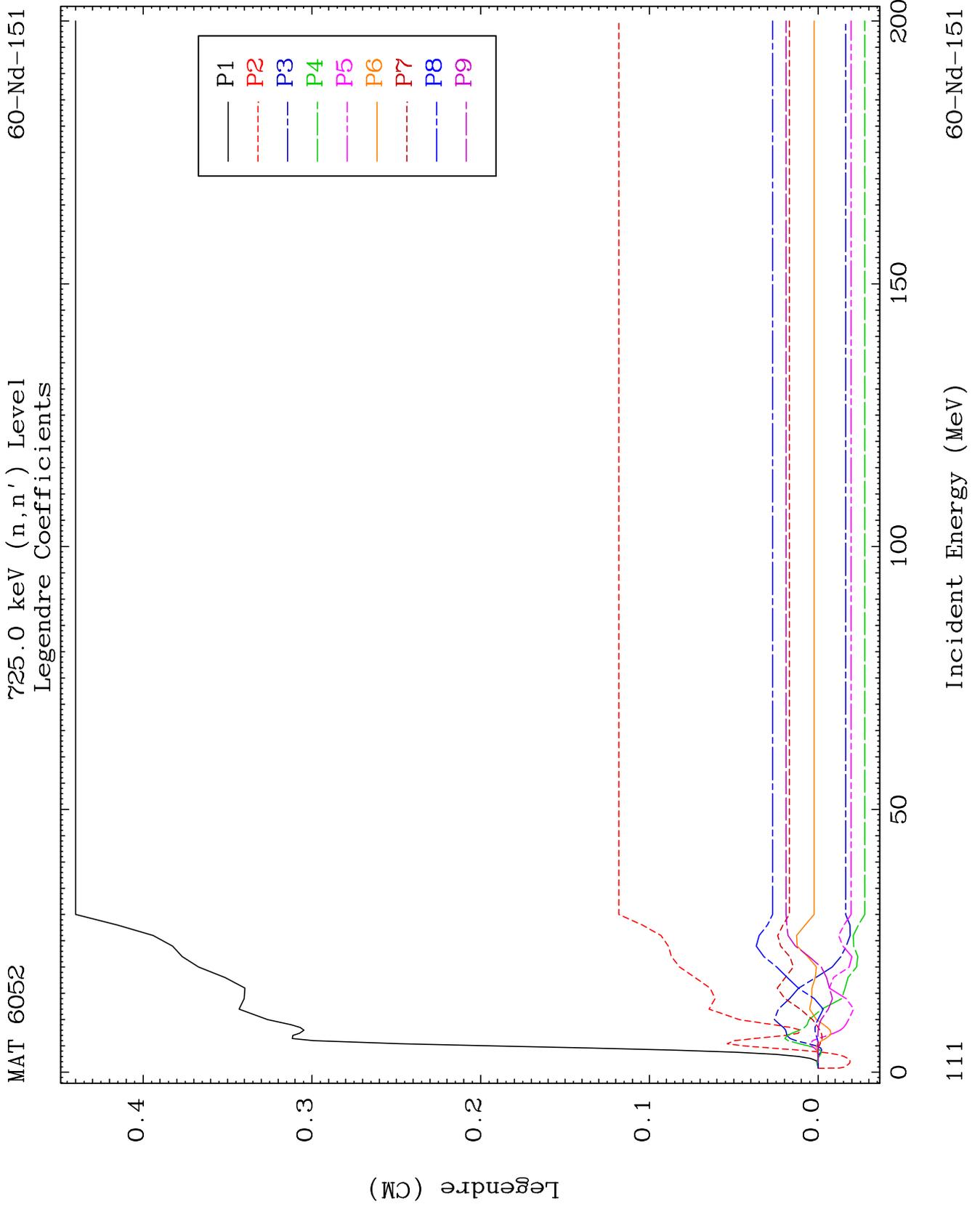
108

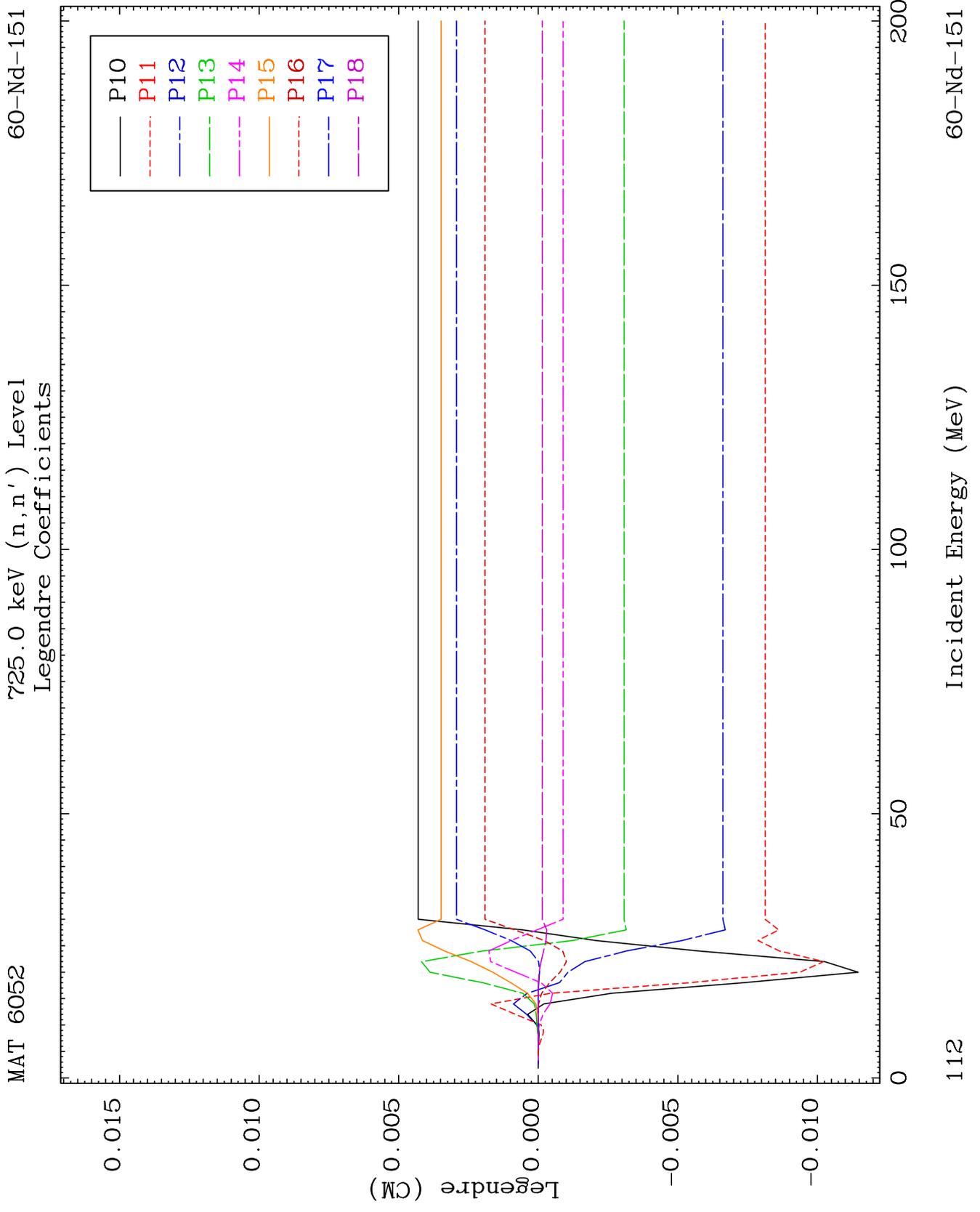
Incident Energy (MeV)

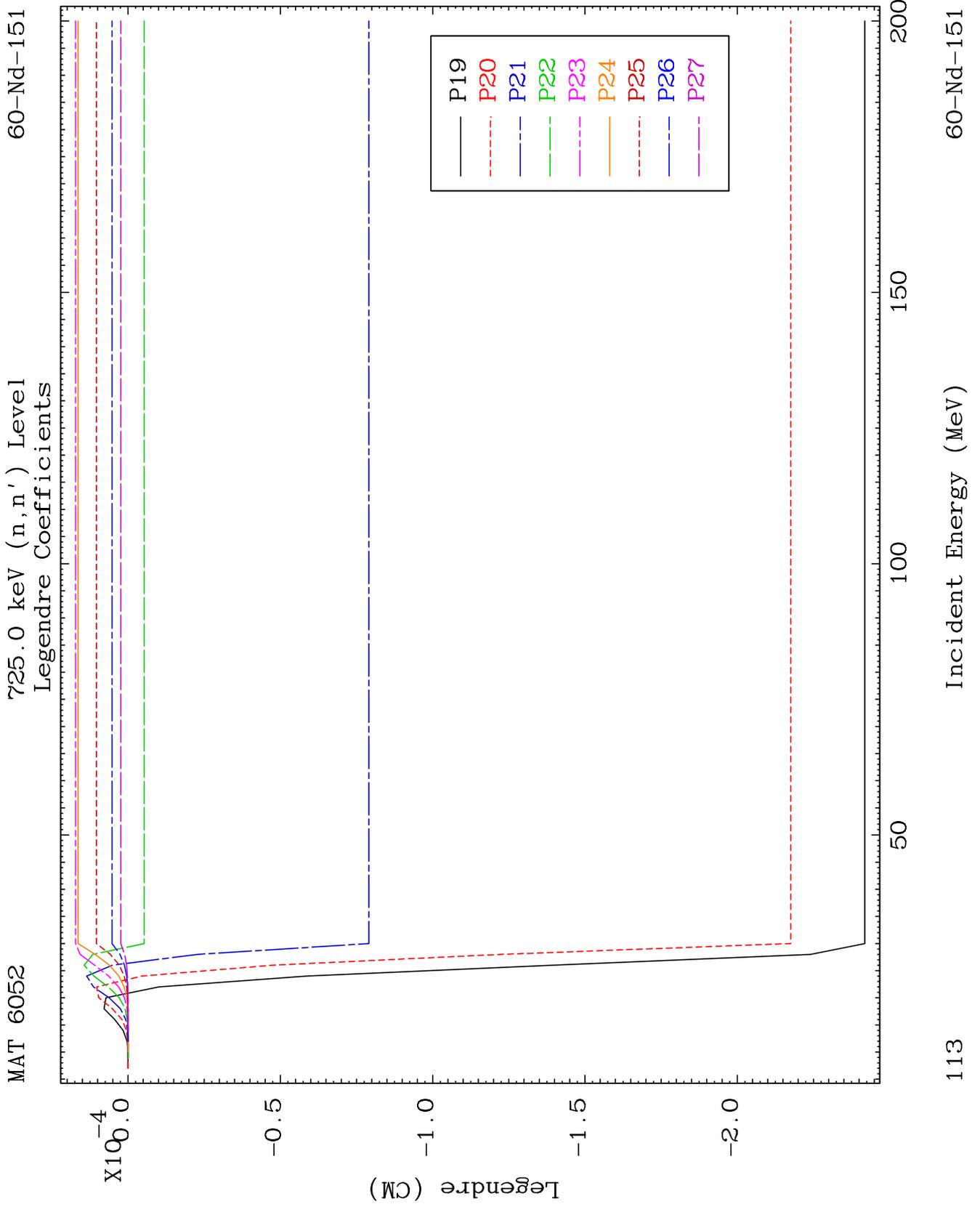
60-Nd-151

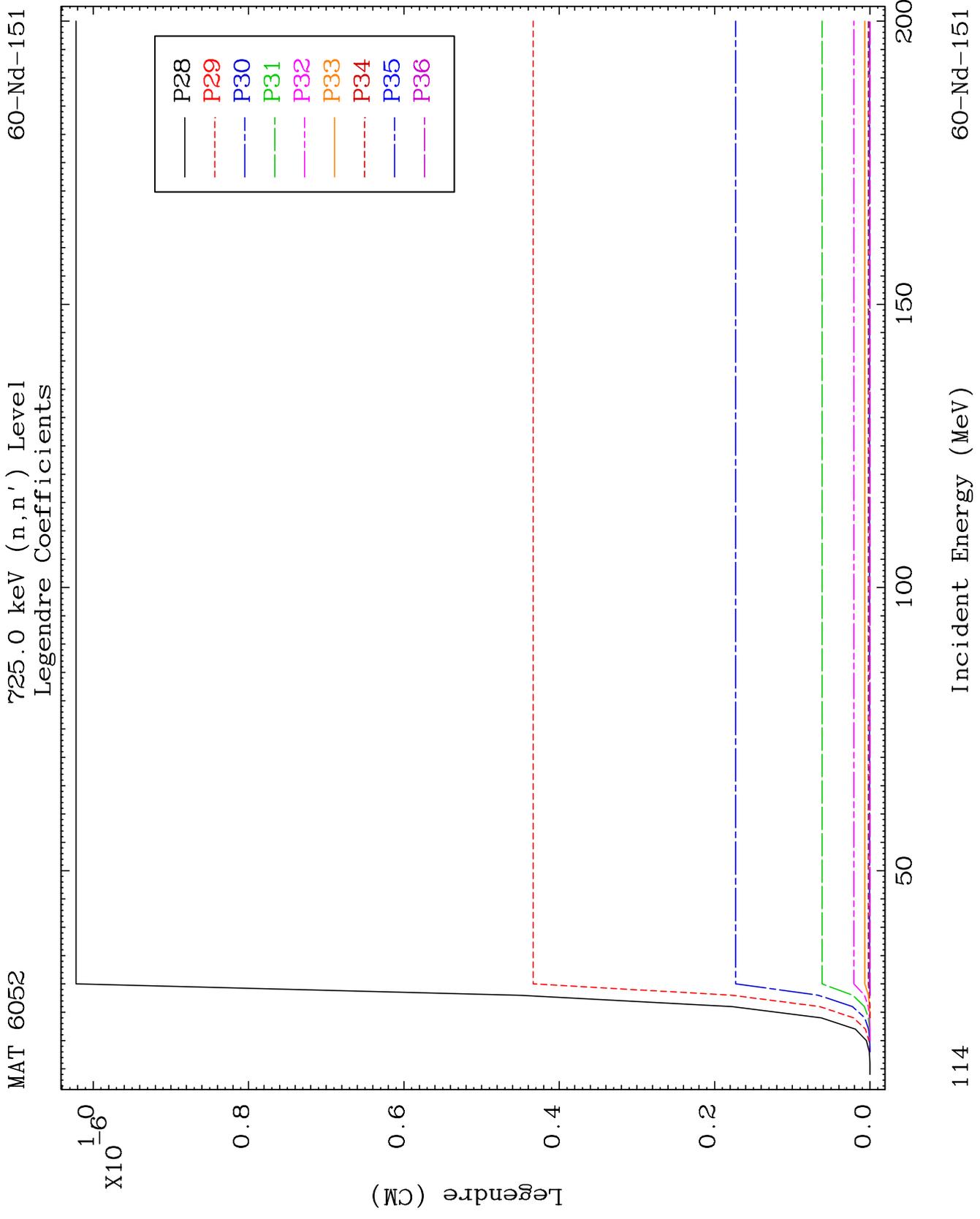


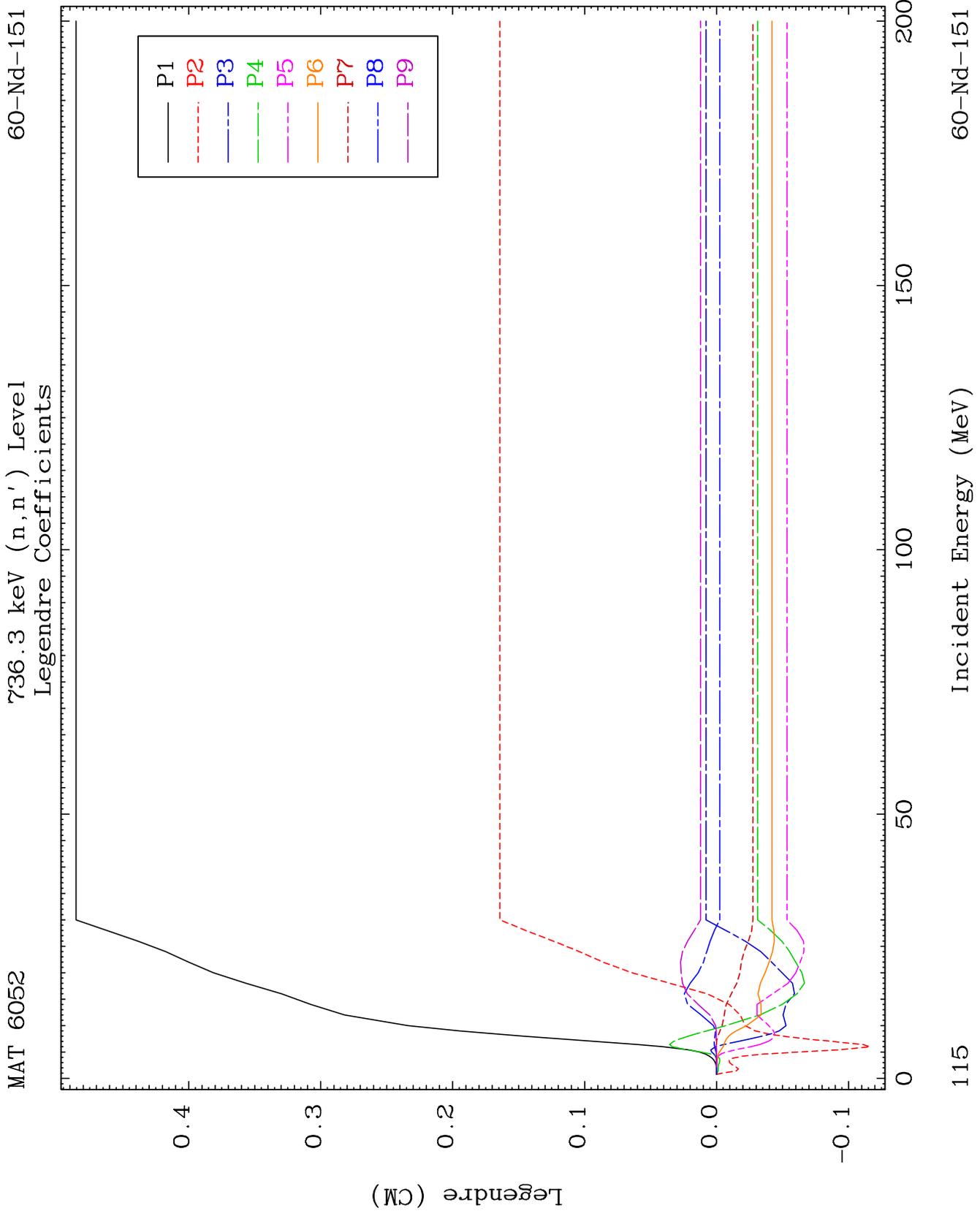










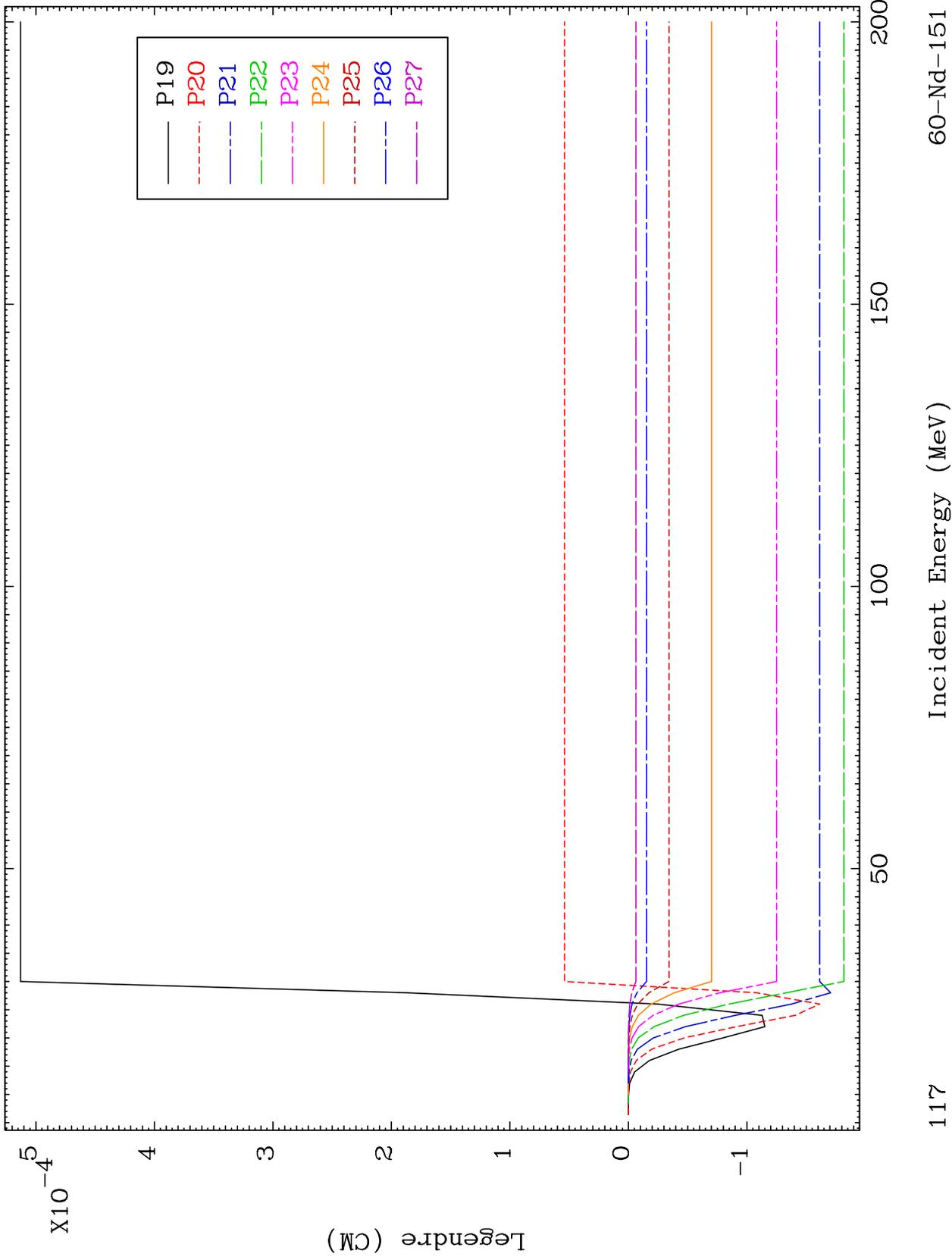




MAT 6052

736.3 keV (n,n') Level  
Legendre Coefficients

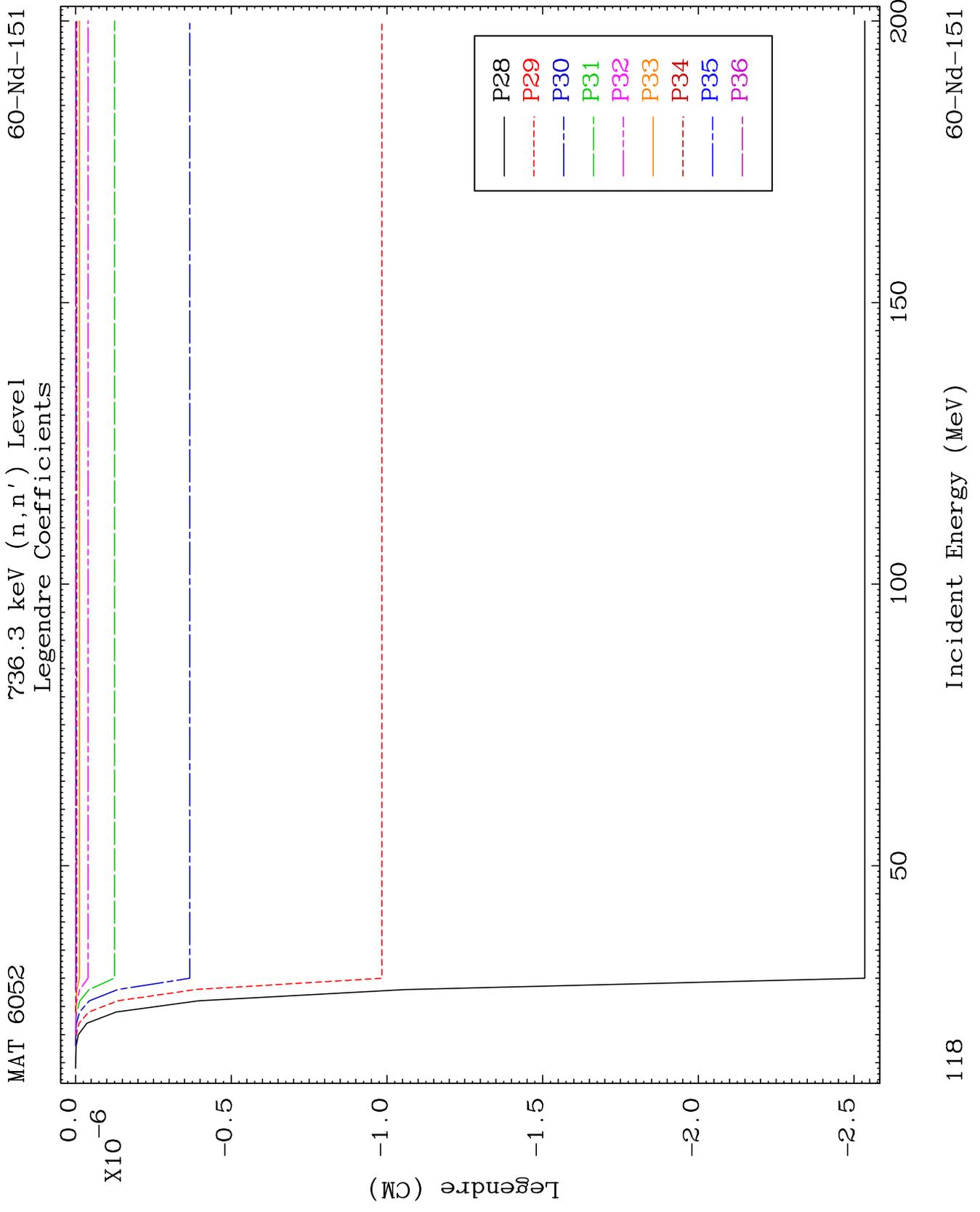
60-Nd-151



117

Incident Energy (MeV)

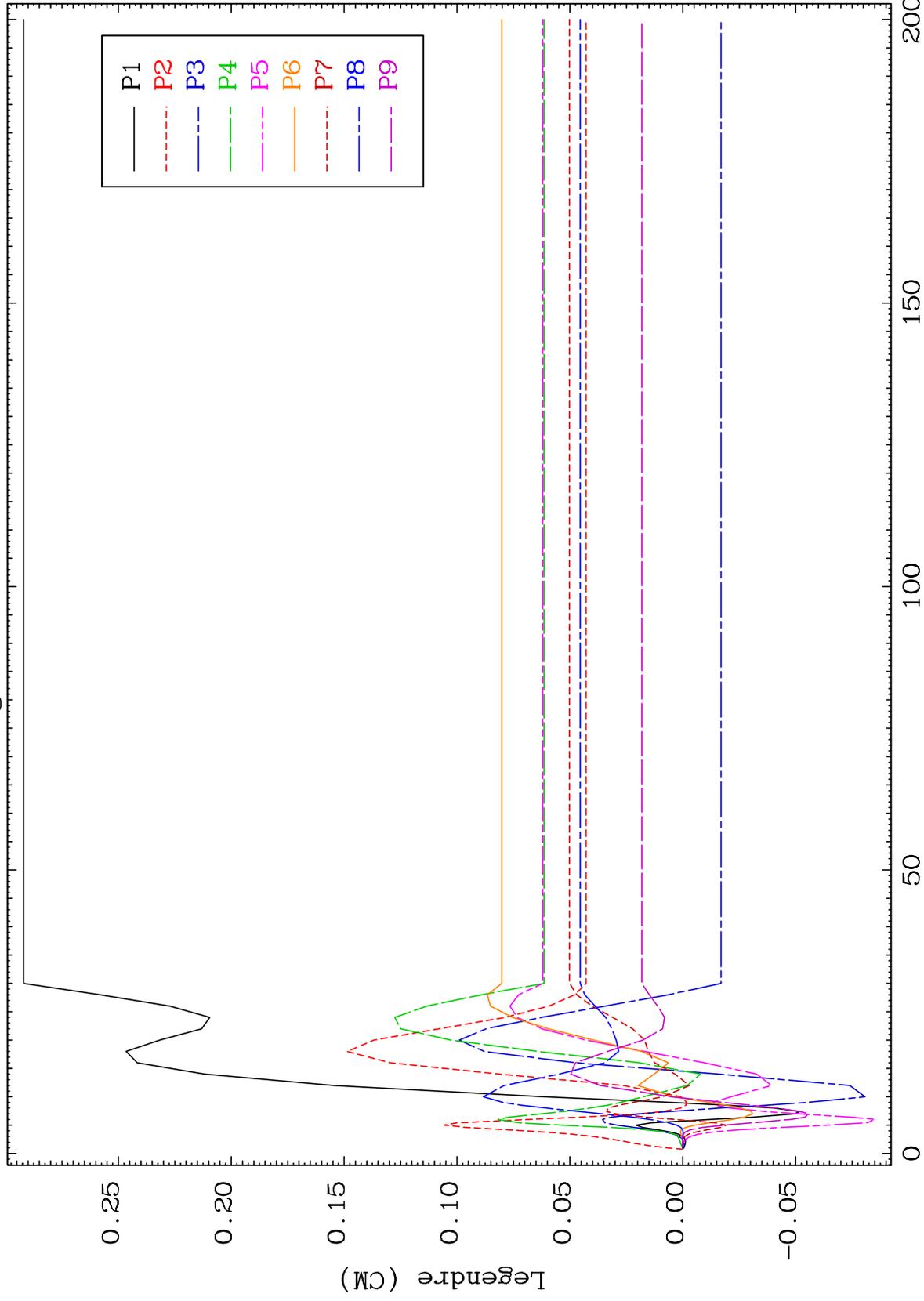
60-Nd-151



MAT 6052

752.4 keV (n,n') Level  
Legendre Coefficients

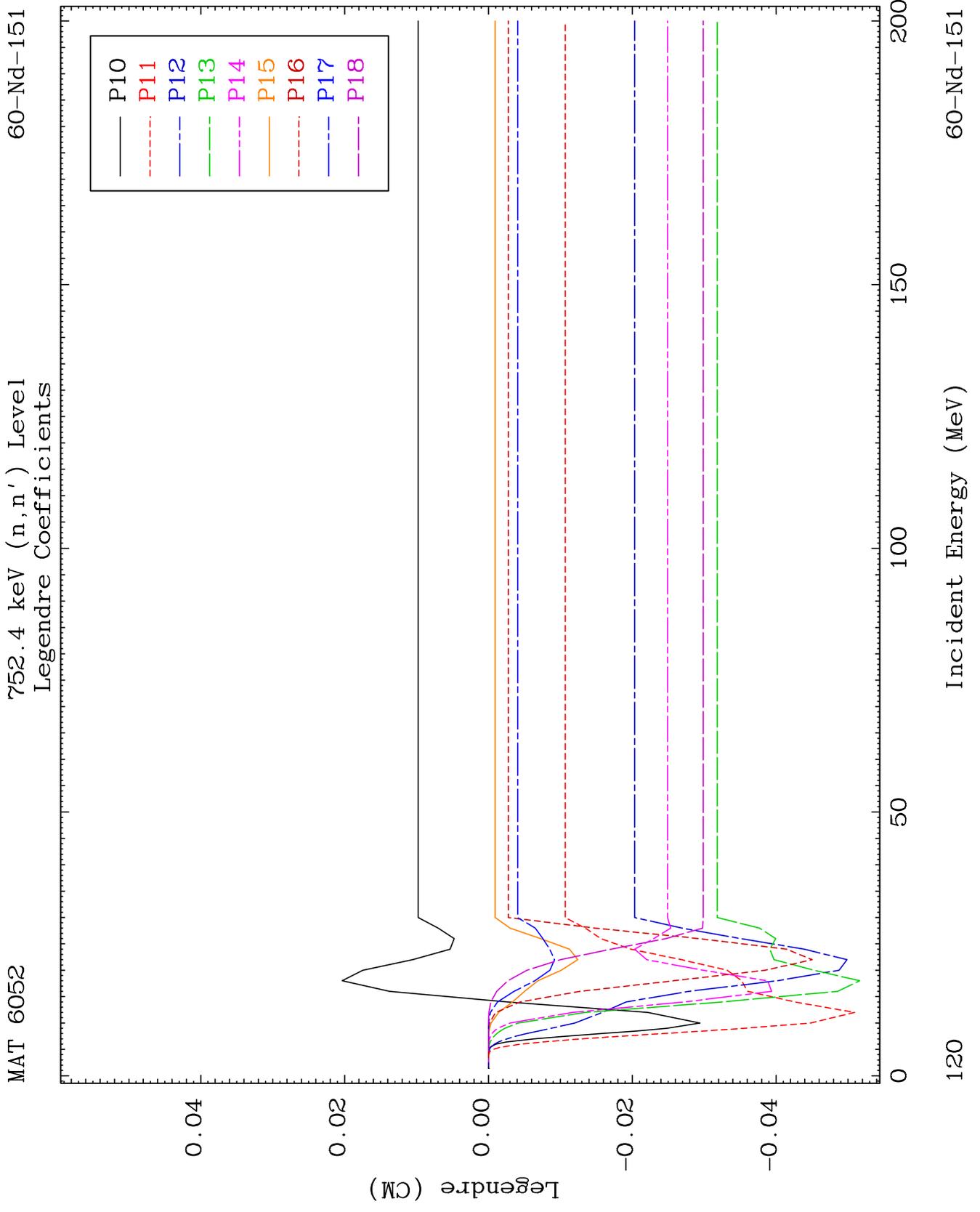
60-Nd-151



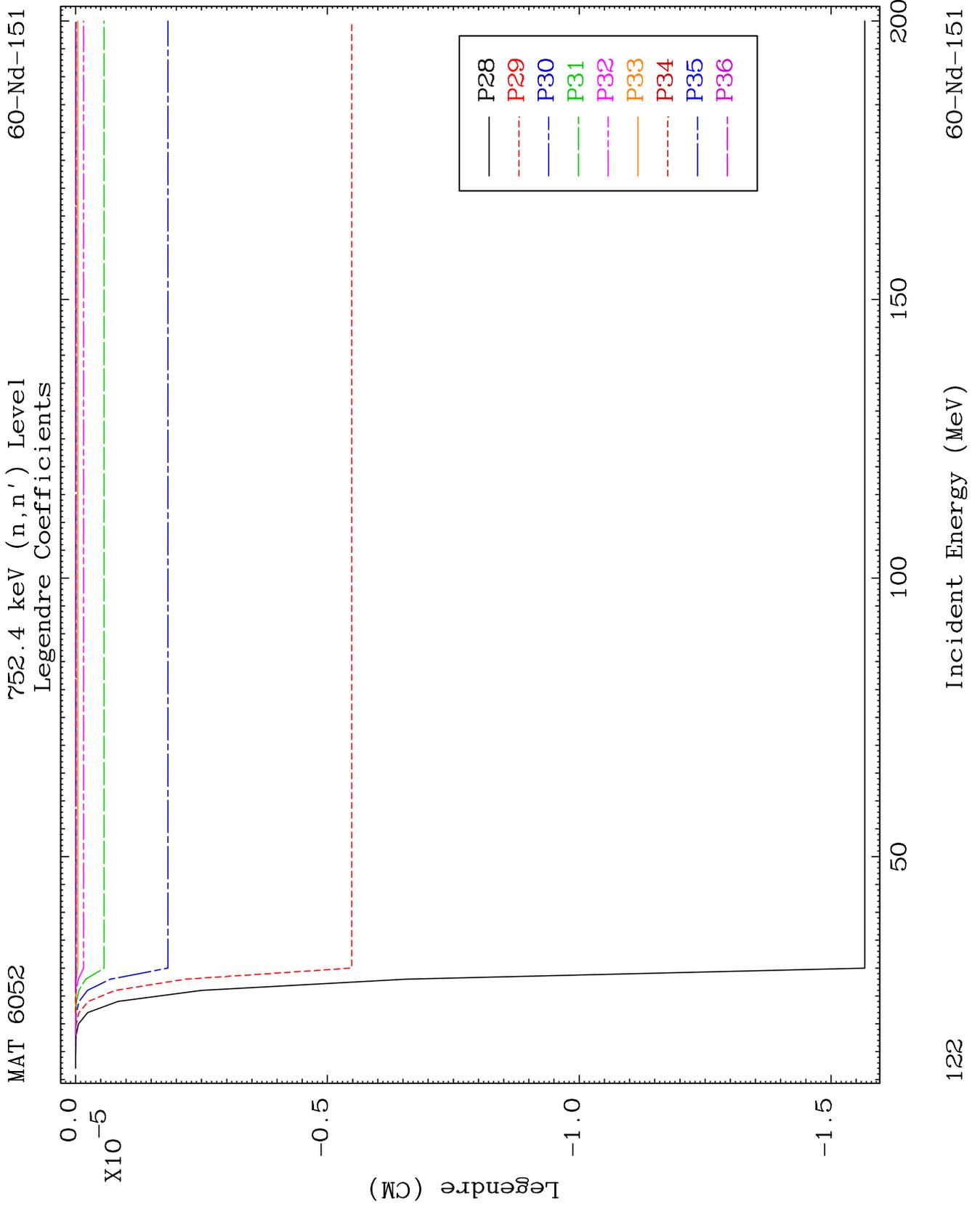
119

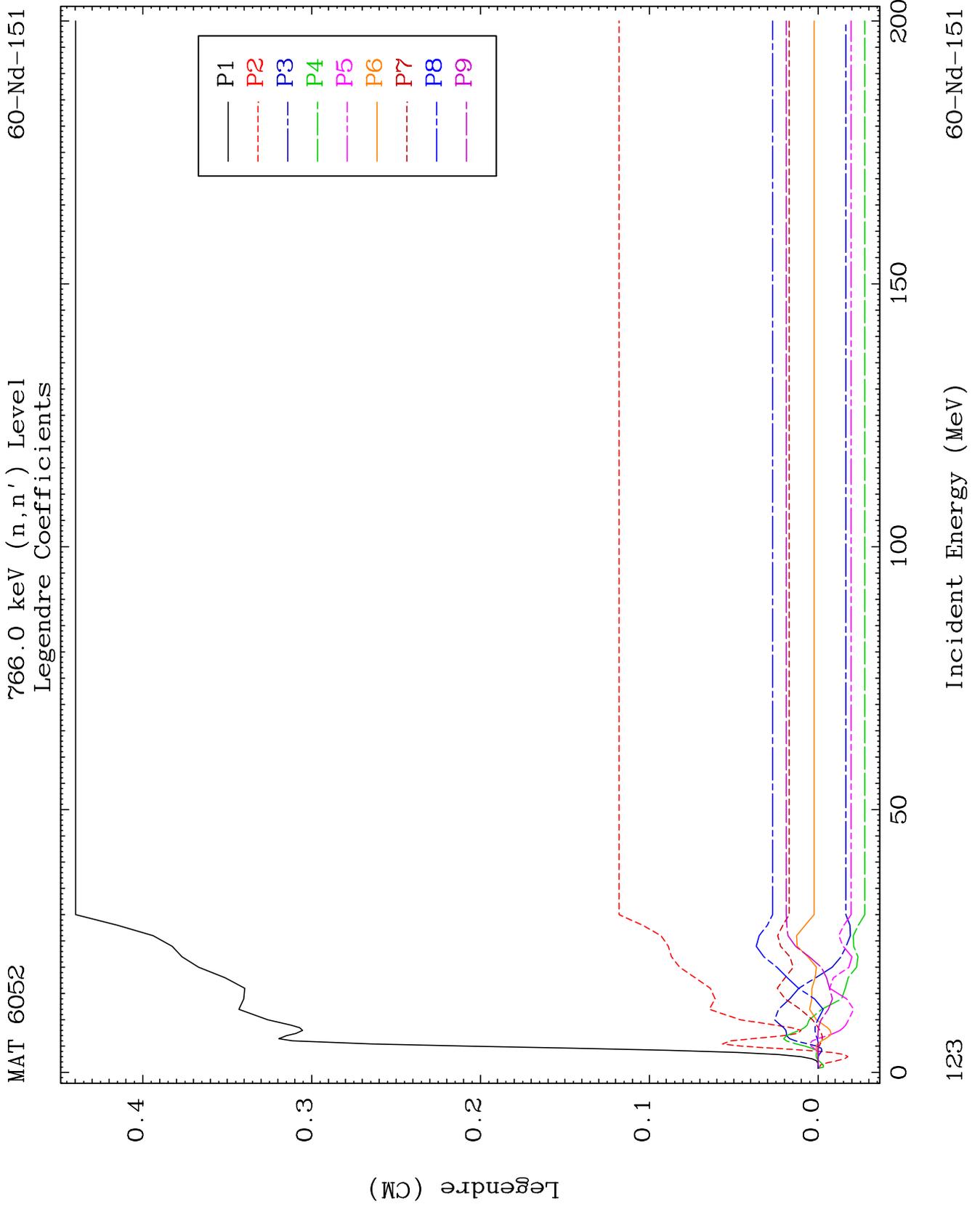
Incident Energy (MeV)

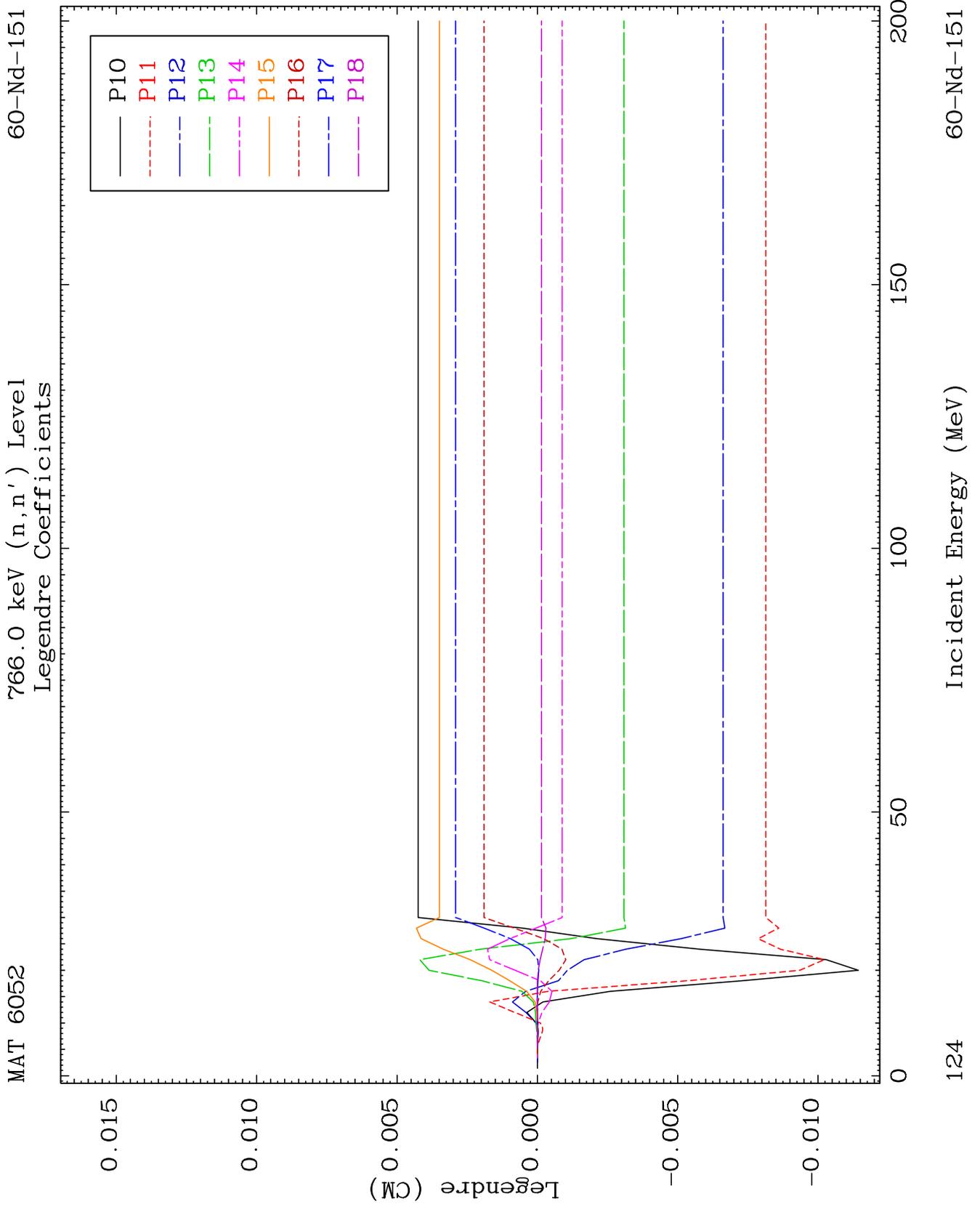
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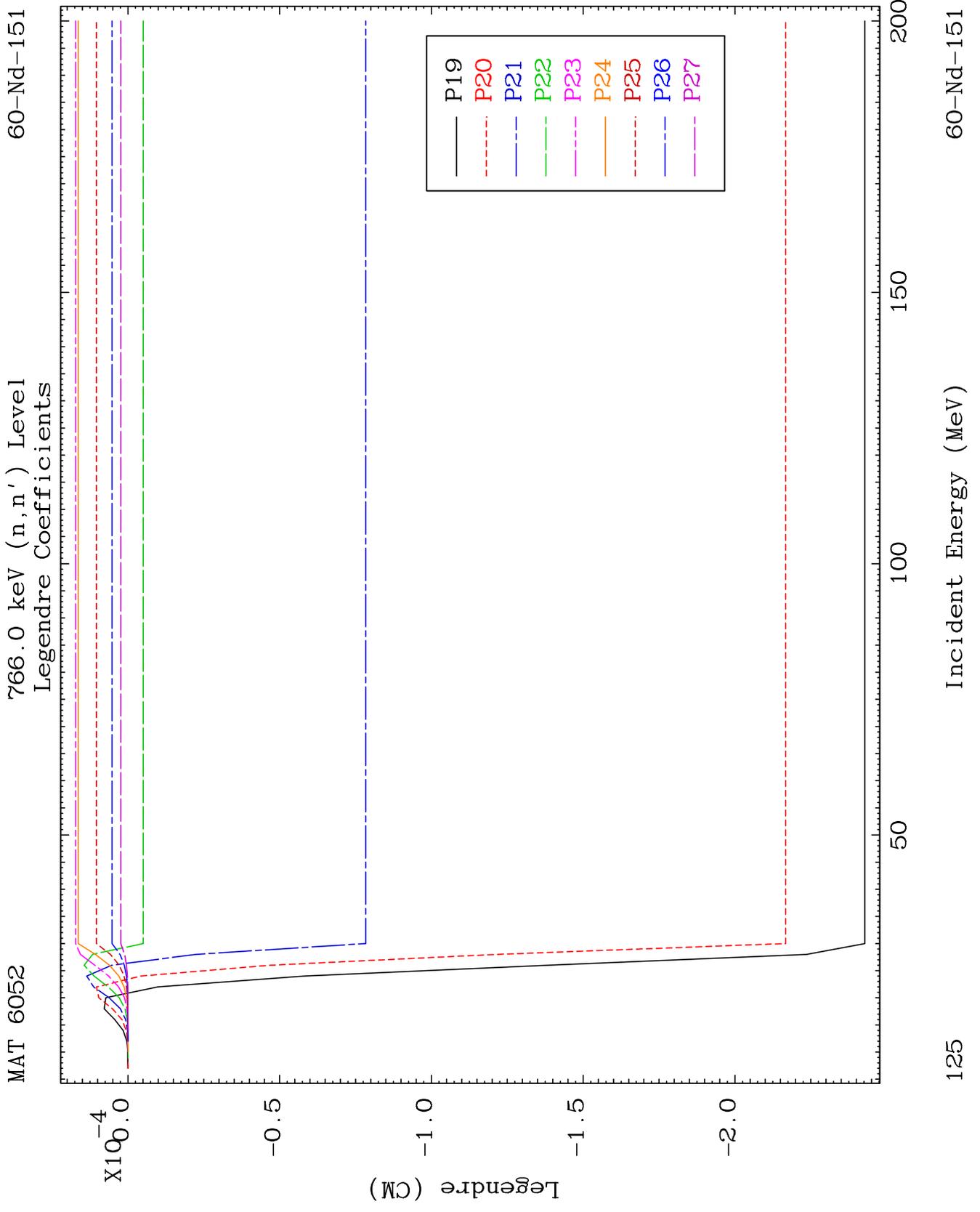


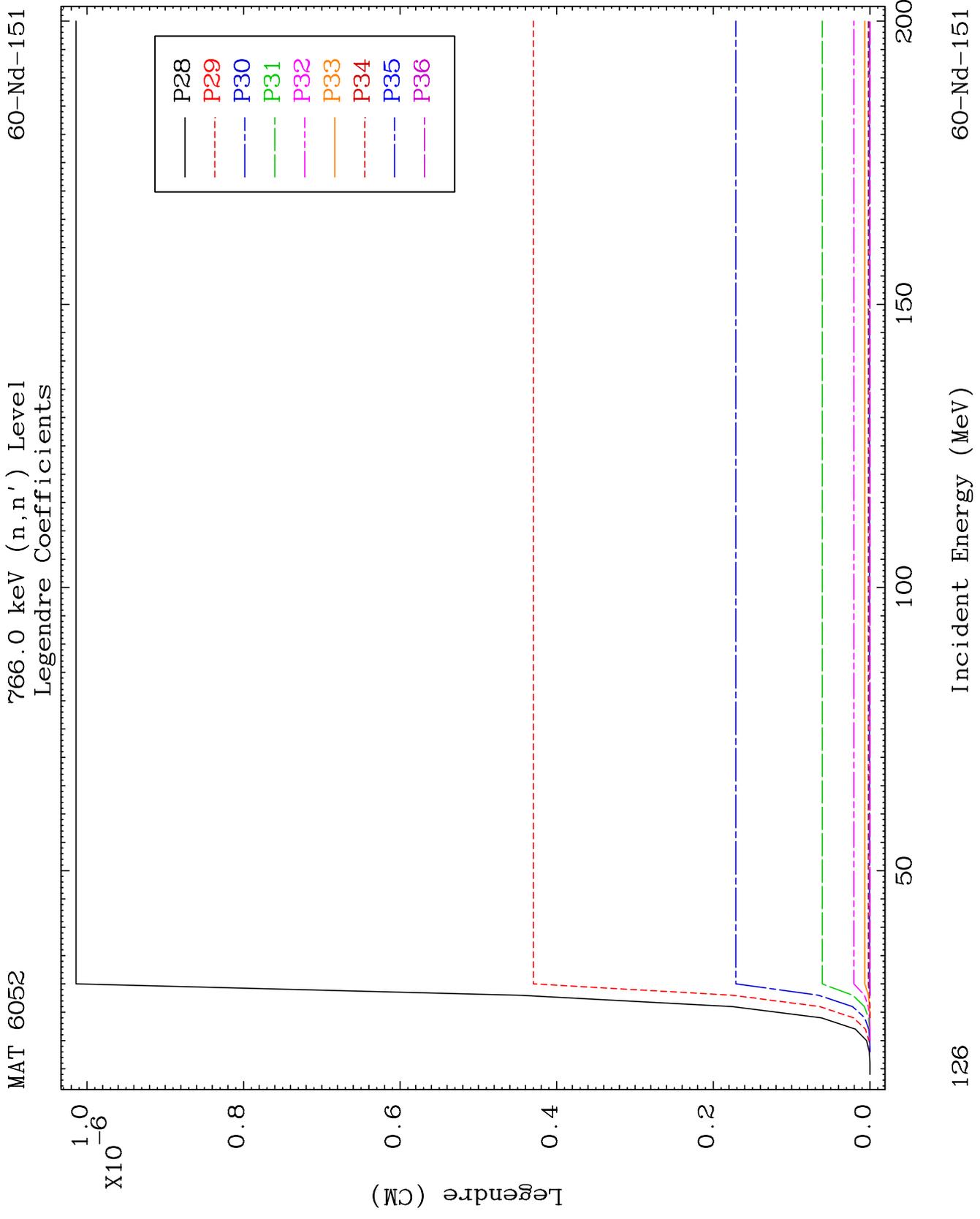








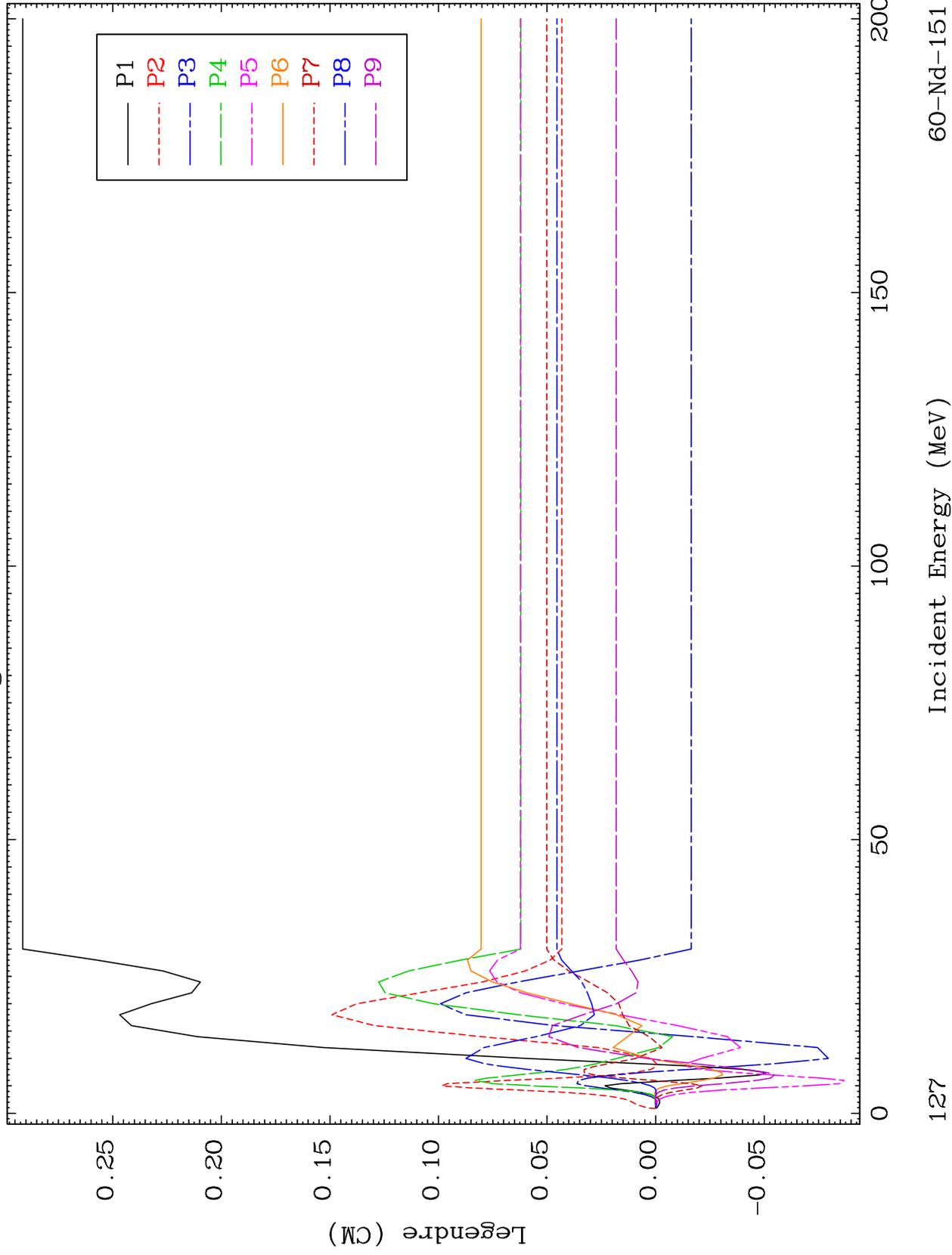




MAT 6052

846.6 keV (n,n') Level  
Legendre Coefficients

60-Nd-151



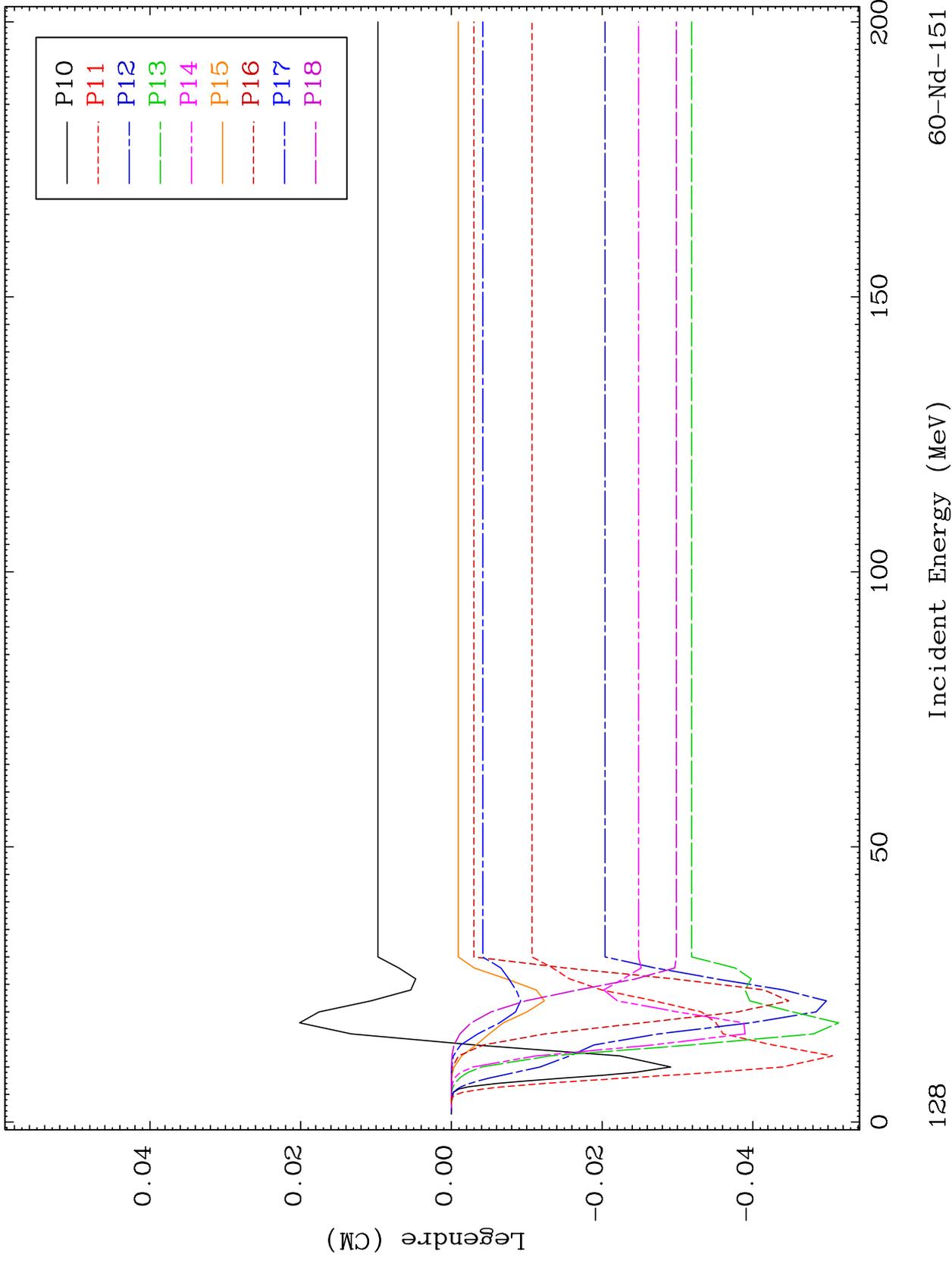
127

60-Nd-151

MAT 6052

846.6 keV (n,n') Level  
Legendre Coefficients

60-Nd-151



60-Nd-151

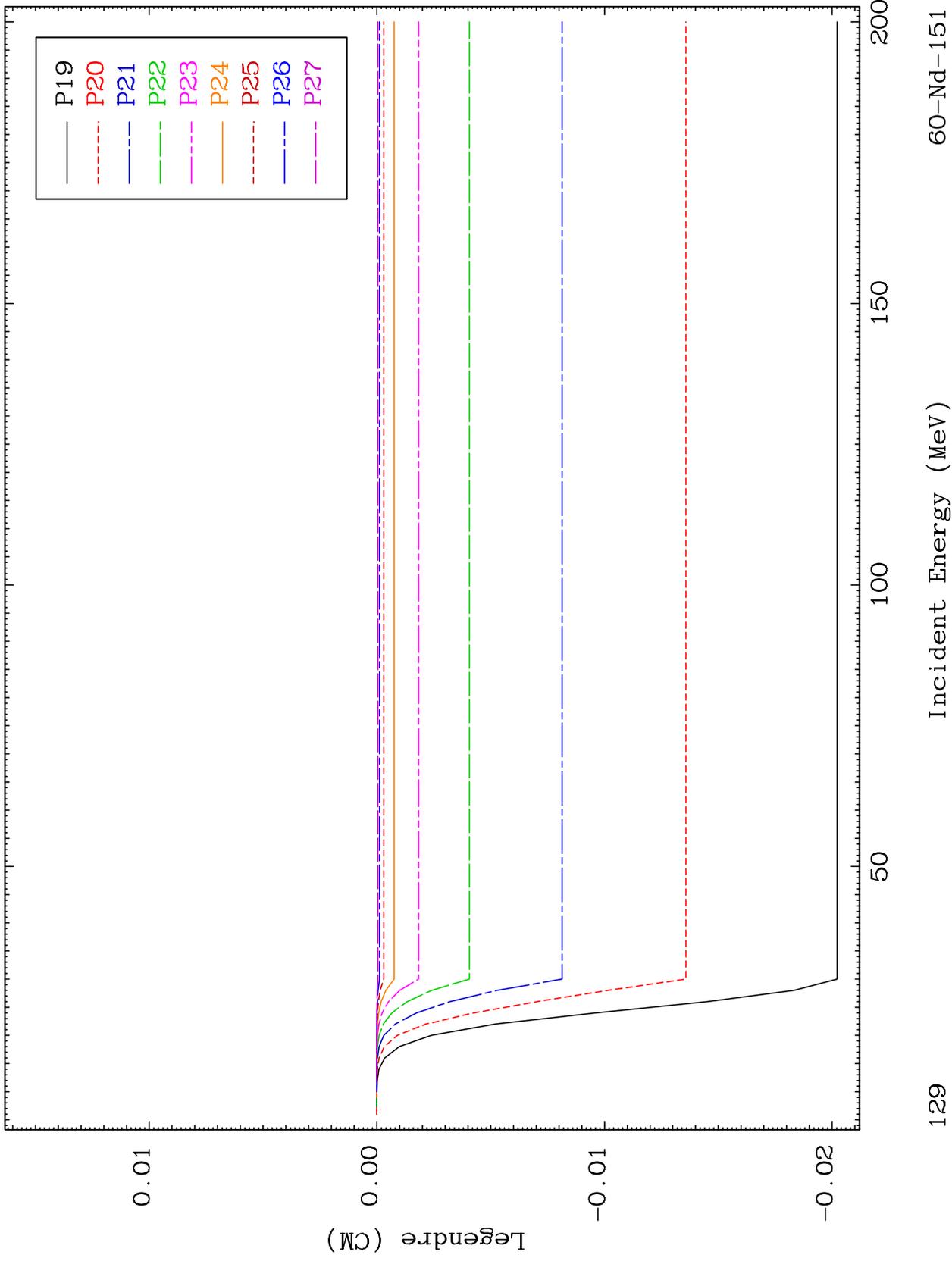
Incident Energy (MeV)

128

MAT 6052

846.6 keV (n,n') Level  
Legendre Coefficients

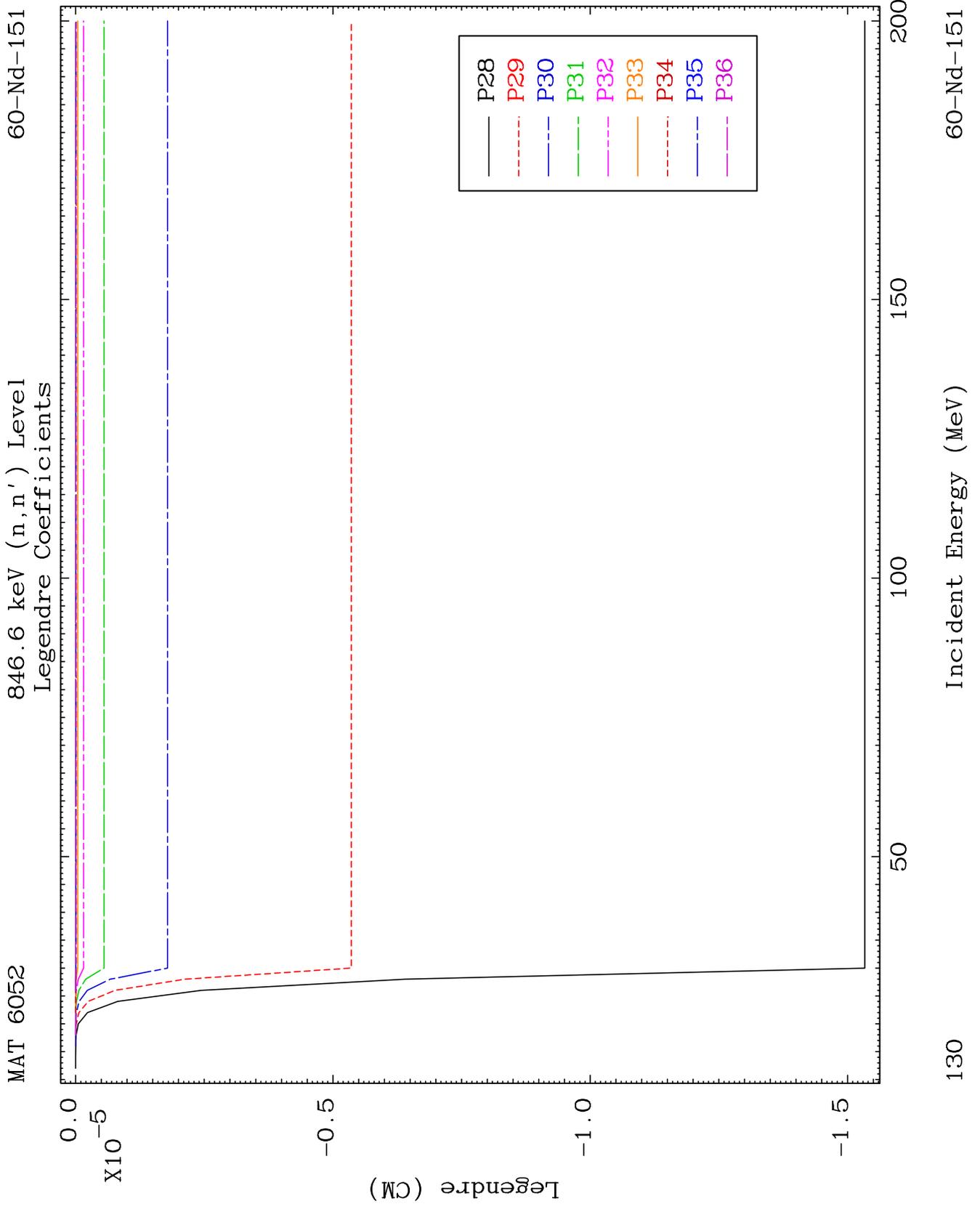
60-Nd-151

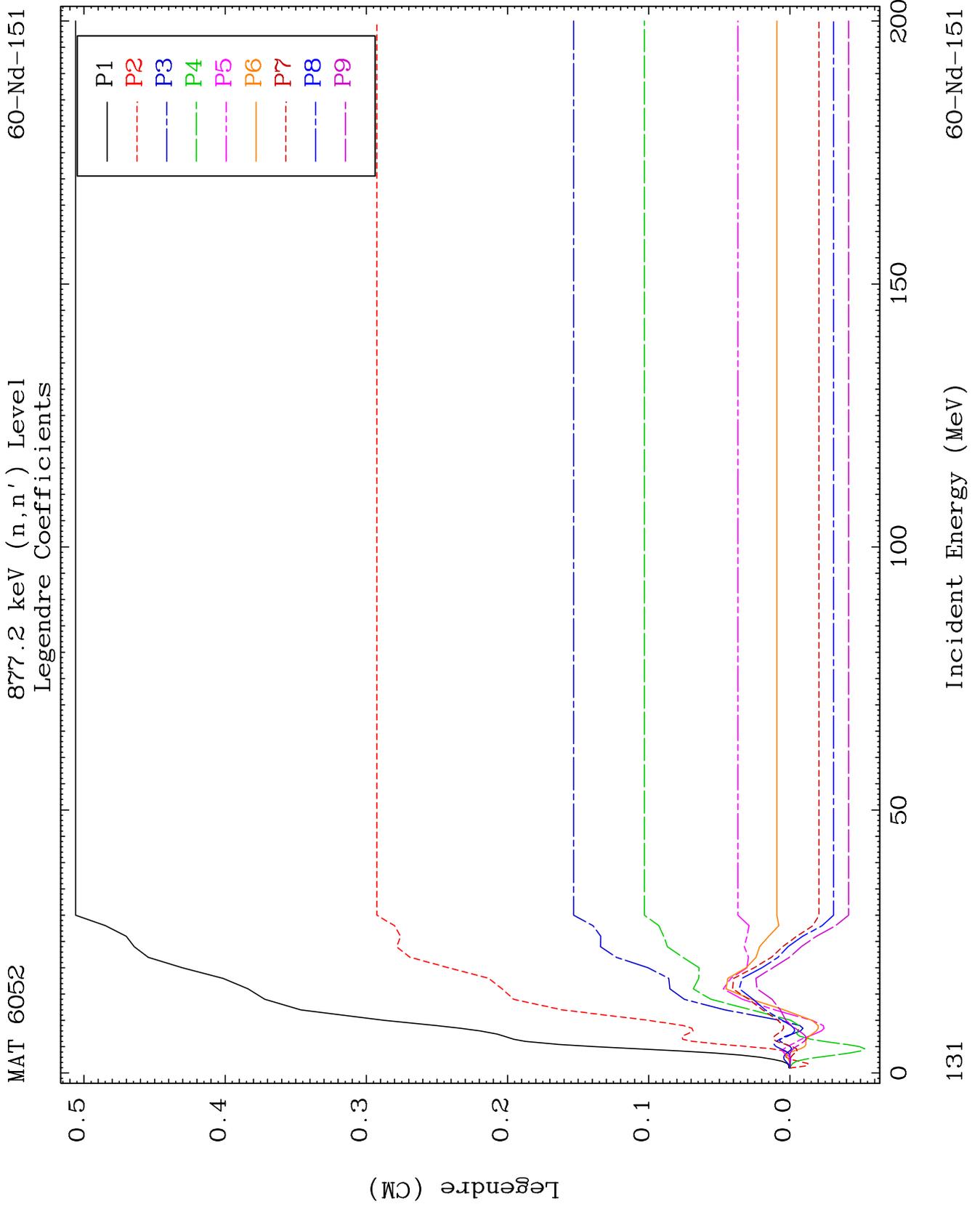


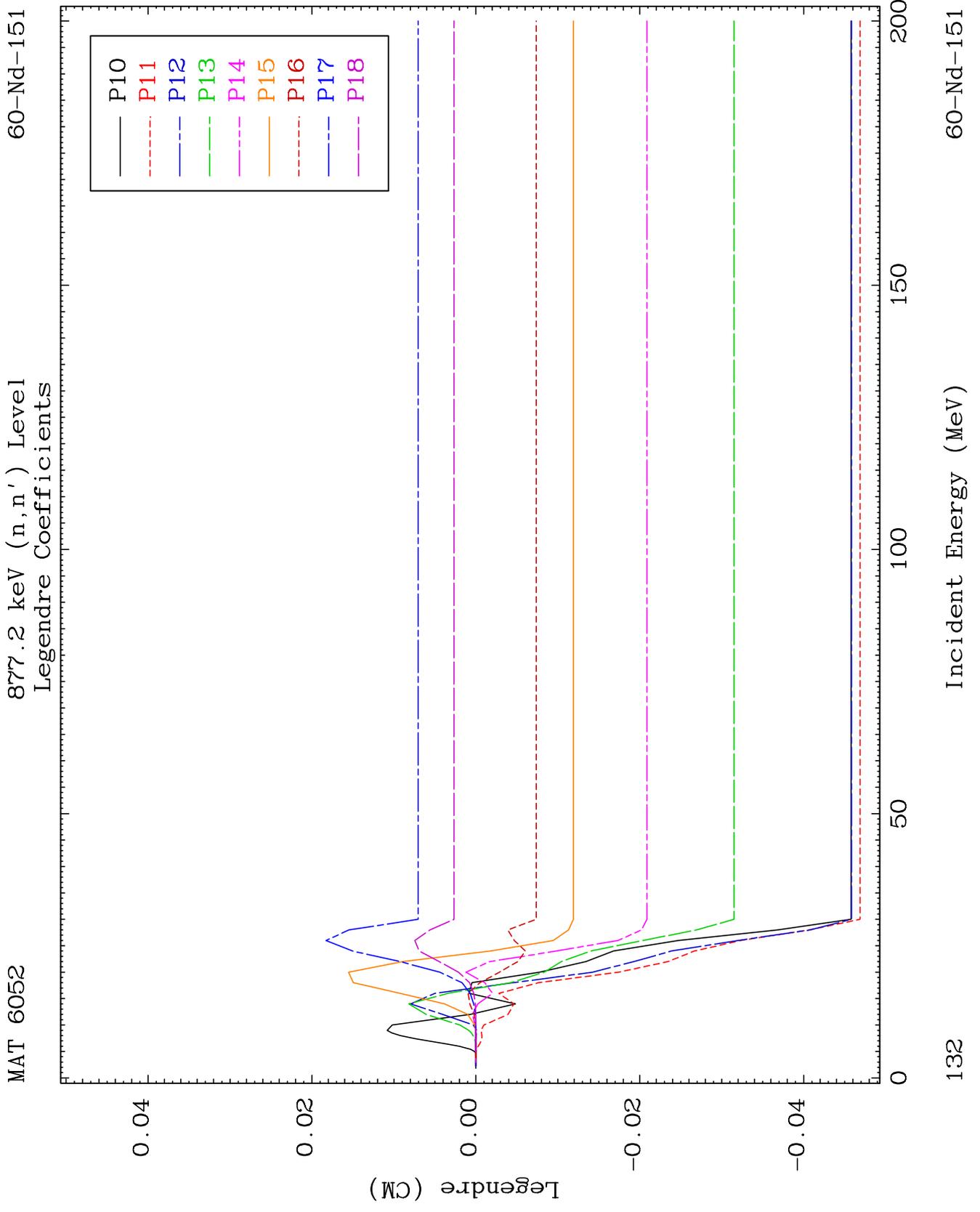
129

Incident Energy (MeV)

60-Nd-151



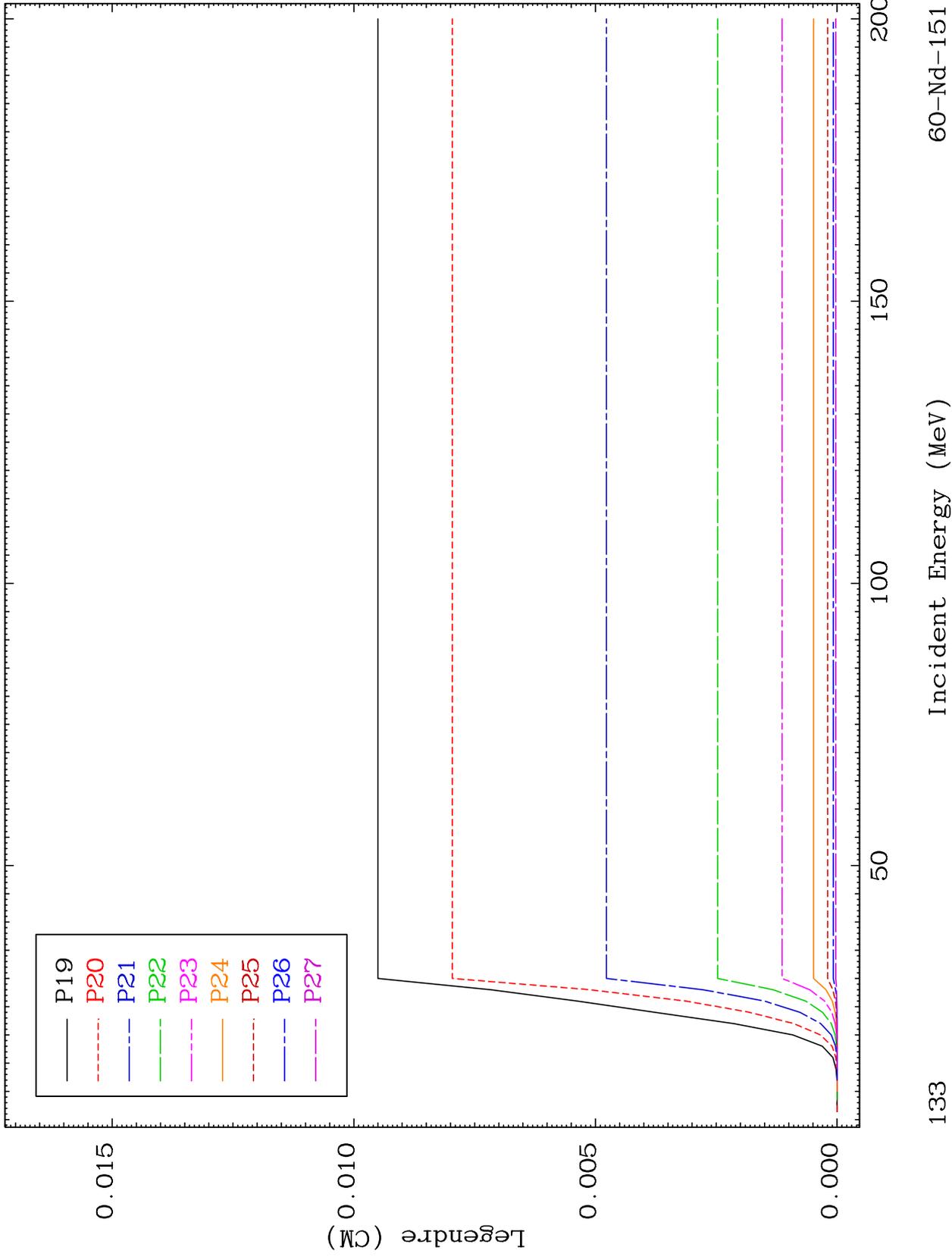




MAT 6052

877.2 keV (n,n') Level  
Legendre Coefficients

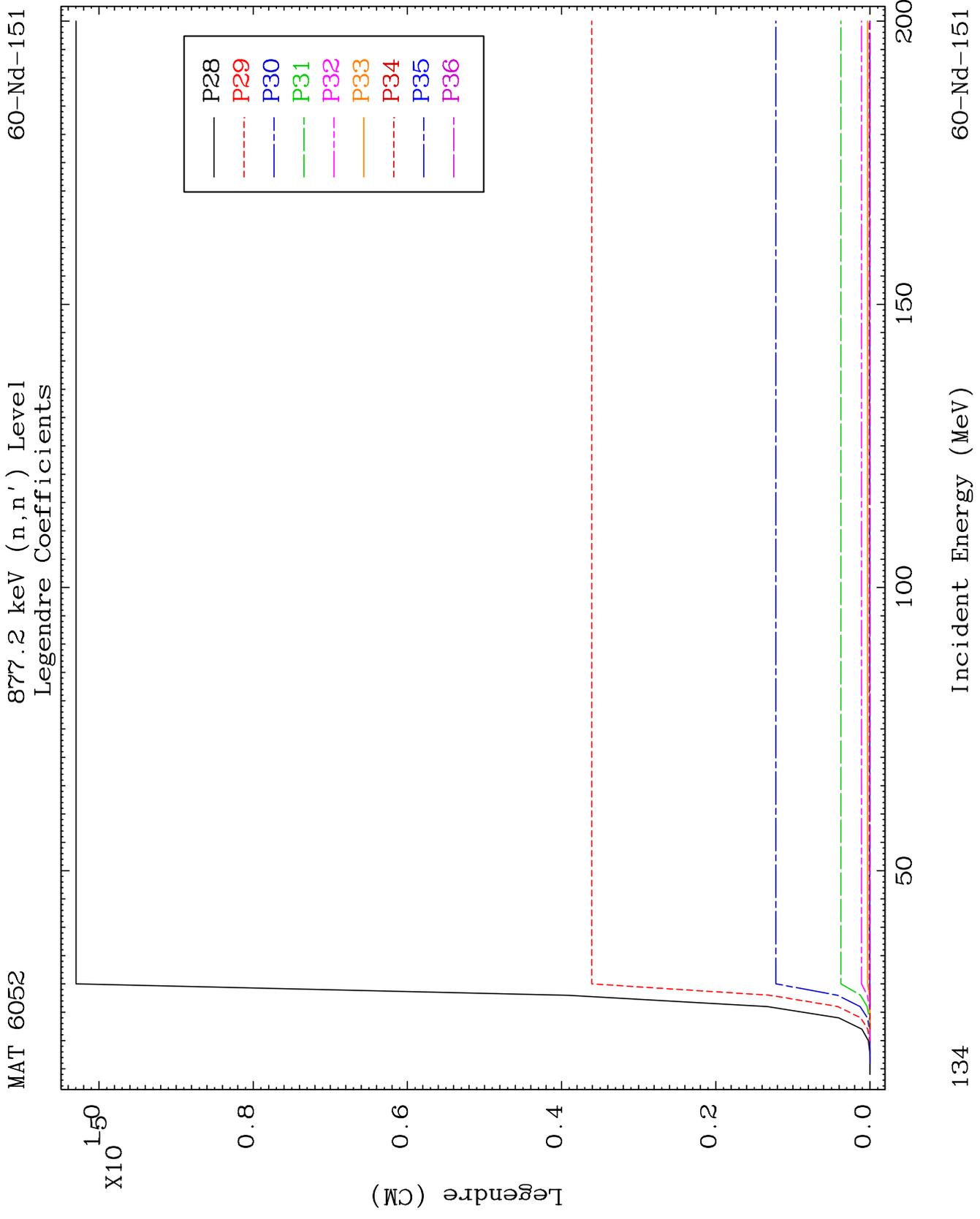
60-Nd-151



133

Incident Energy (MeV)

60-Nd-151

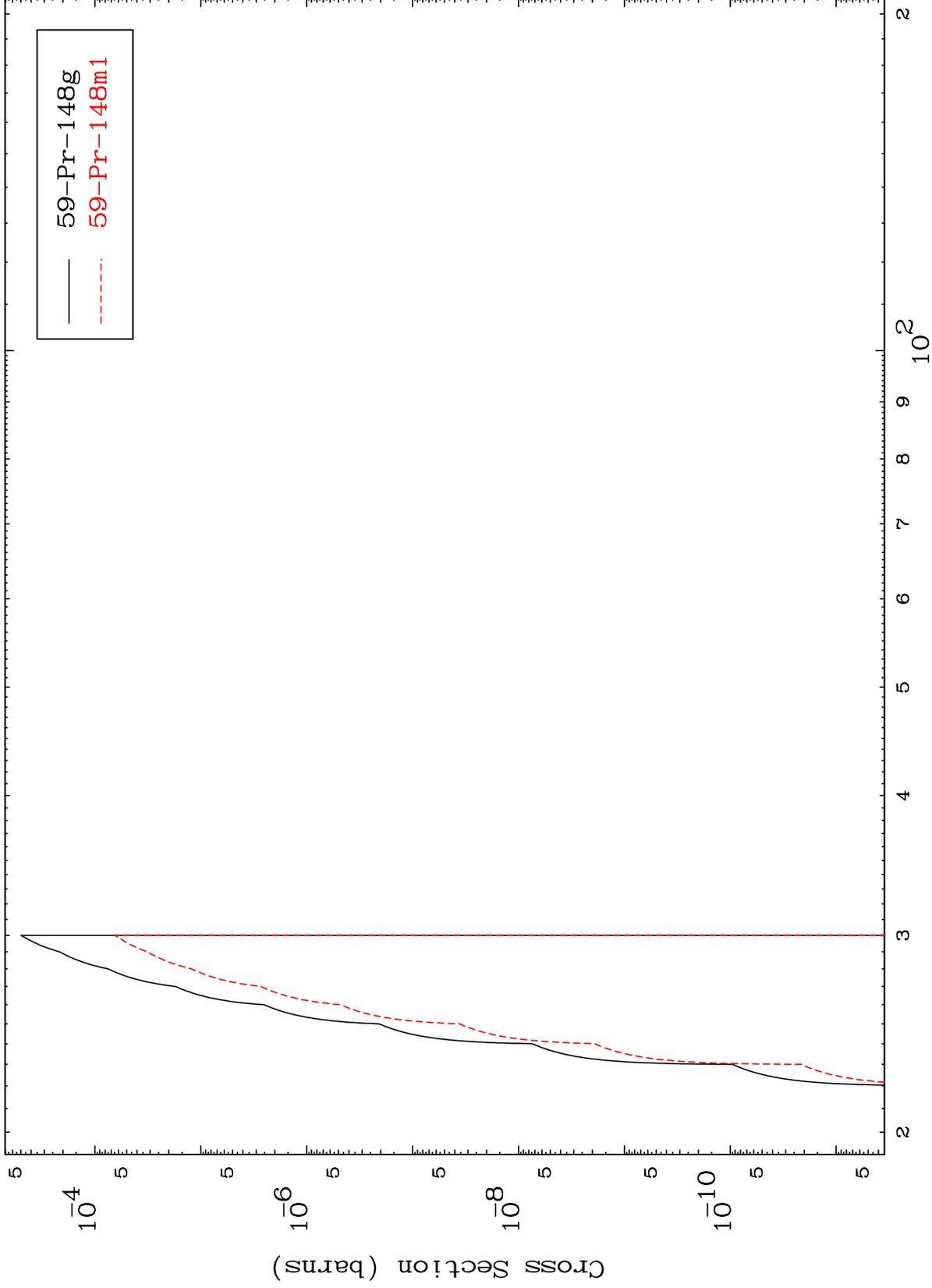


MAT 6052

(n,2n) d

60-Nd-151

Radionuclide Production Cross Section



135

Incident Energy (MeV)

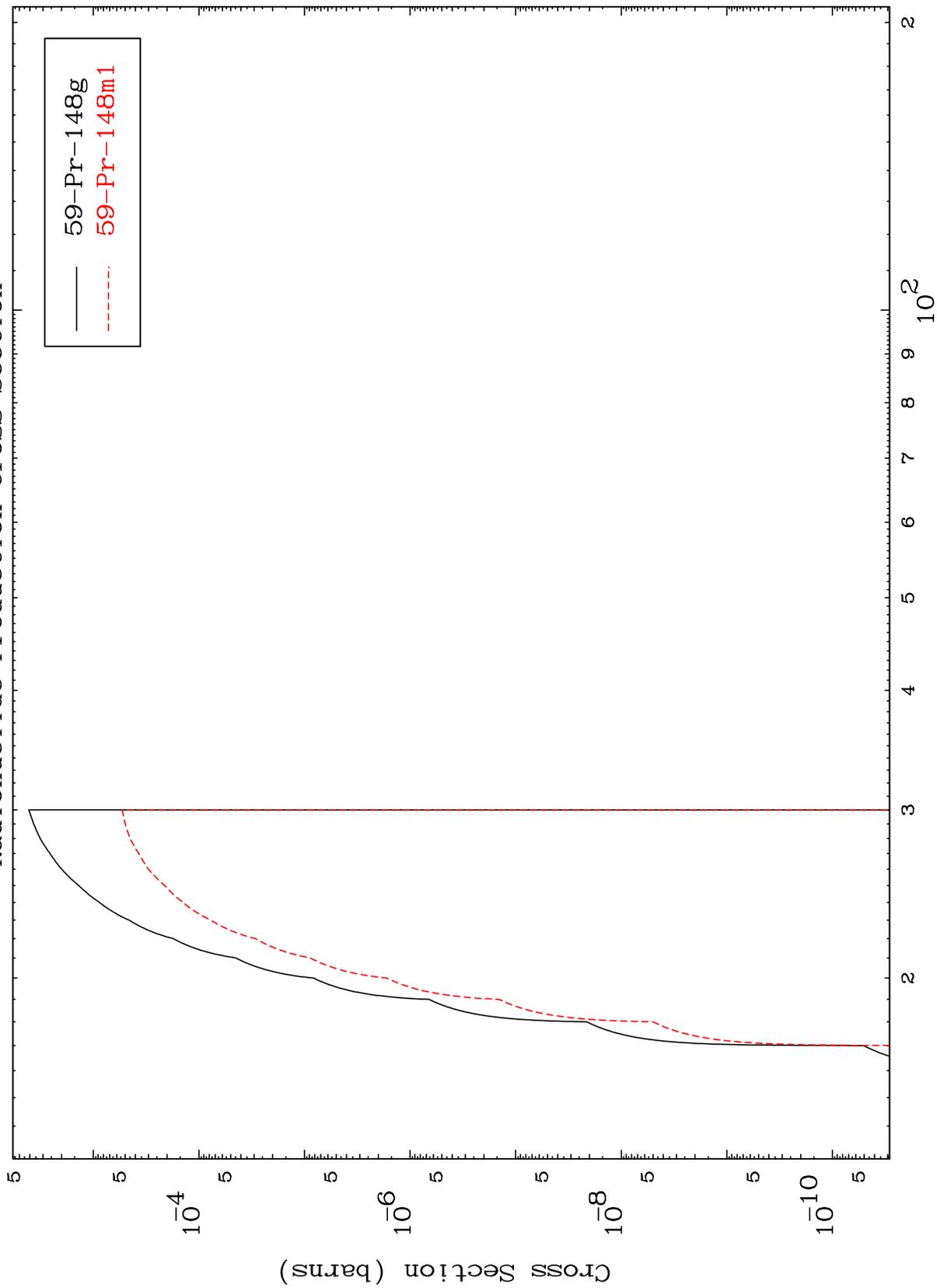
60-Nd-151

MAT 6052

(n,n') t

60-Nd-151

Radionuclide Production Cross Section



136

Incident Energy (MeV)

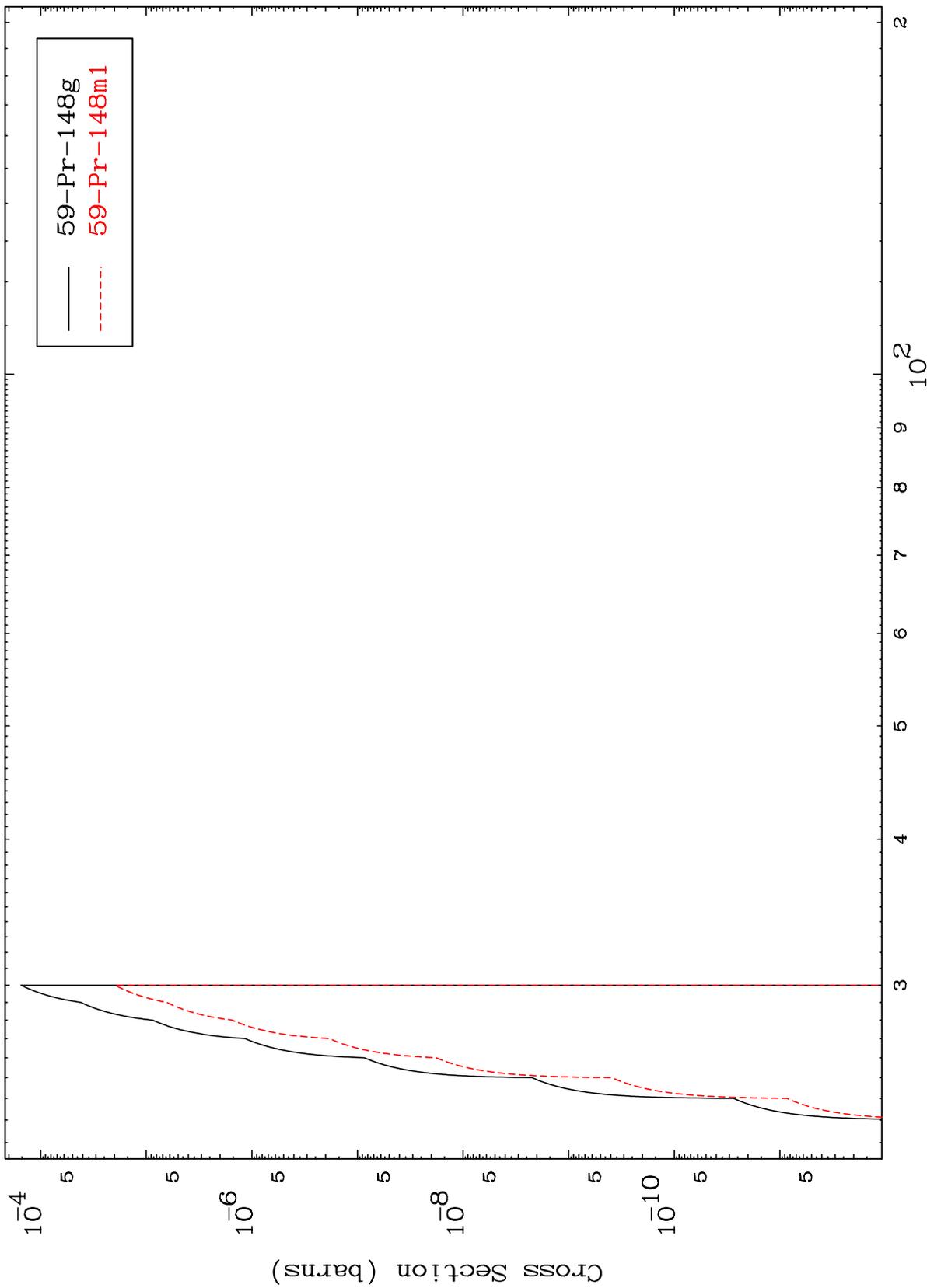
60-Nd-151

MAT 6052

(n,3n) p

60-Nd-151

Radionuclide Production Cross Section



137

Incident Energy (MeV)

60-Nd-151