

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

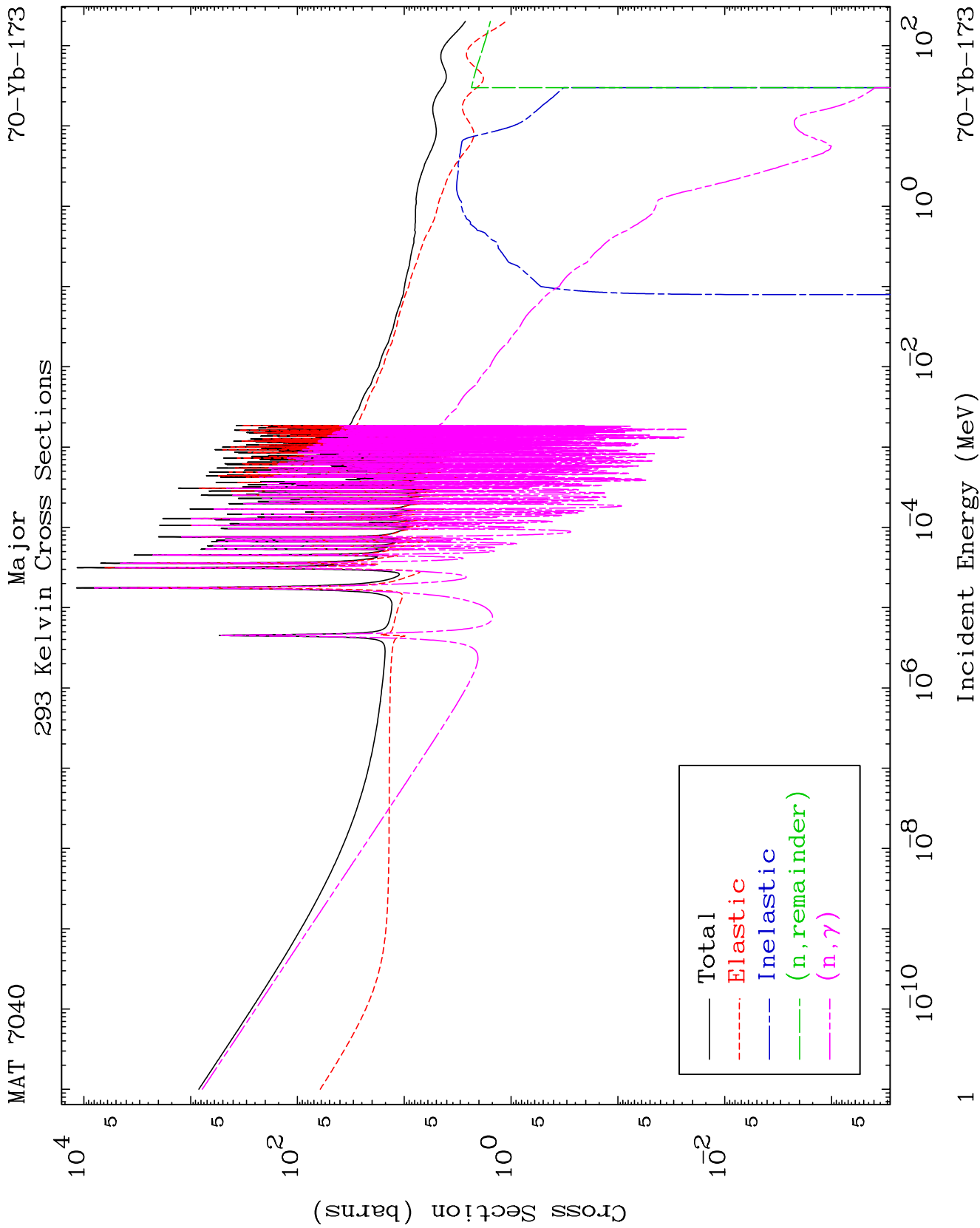
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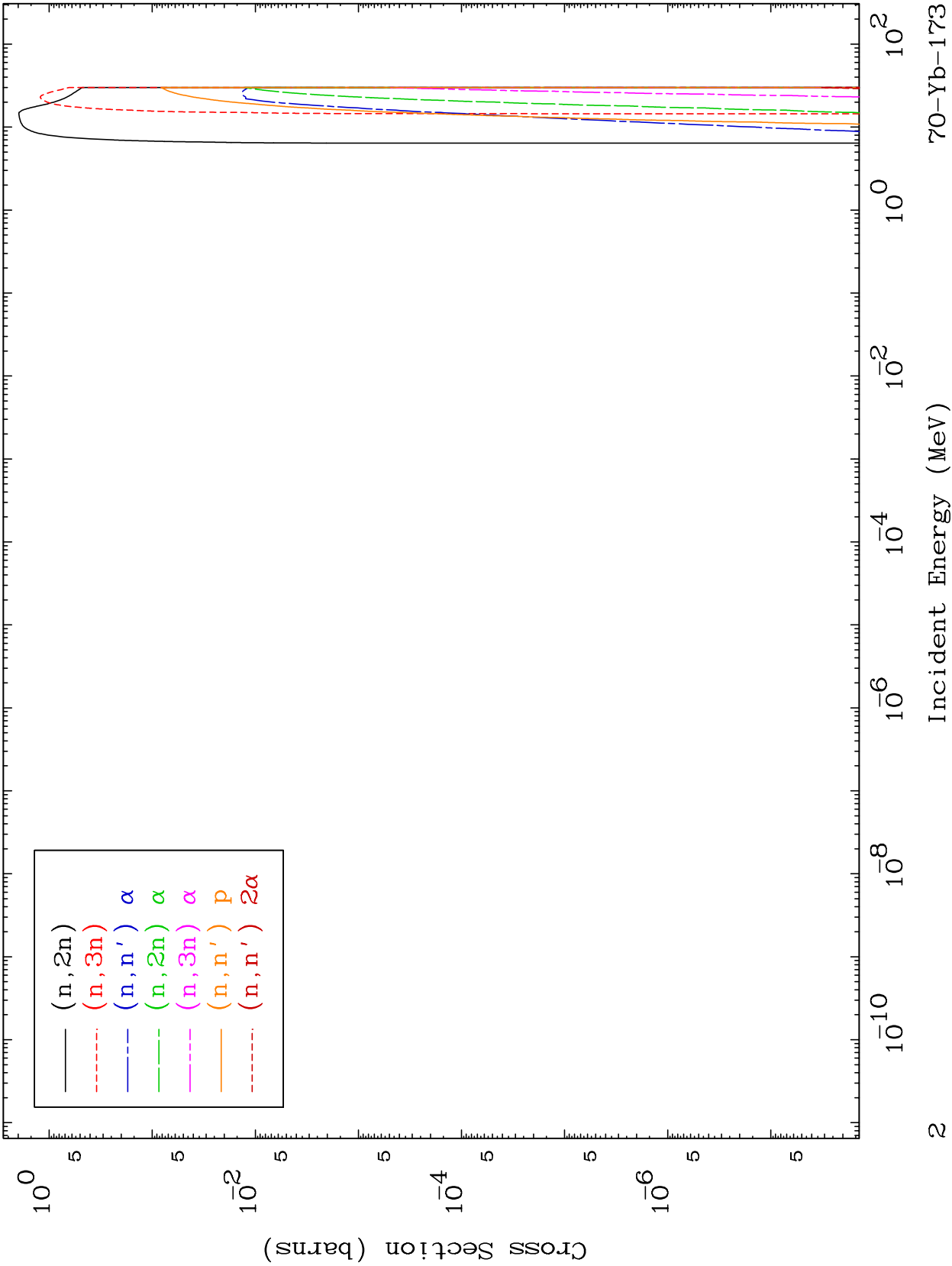
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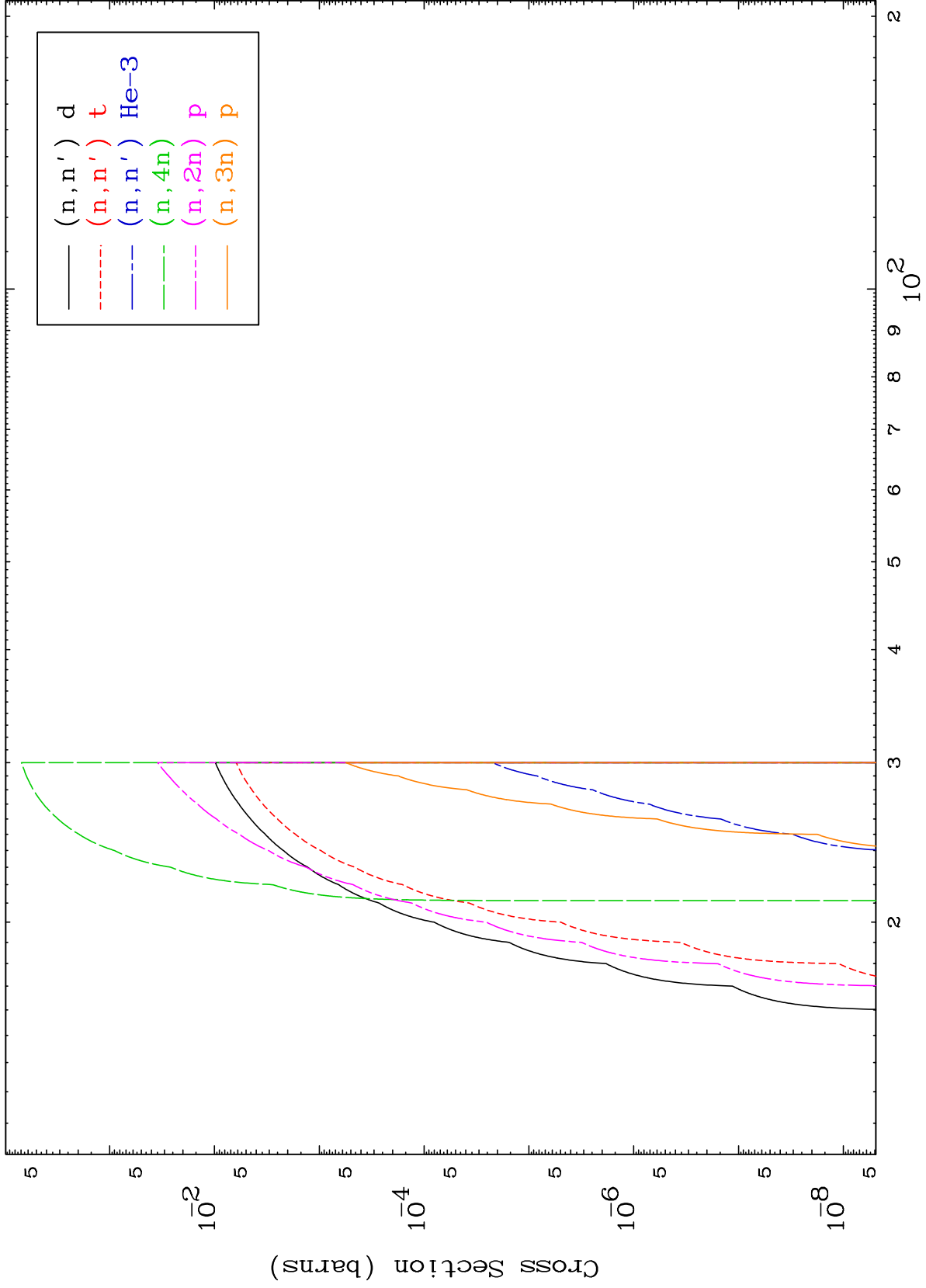


MAT 7040

Neutron Production  
293 Kelvin Cross Sections

70-Yb-173

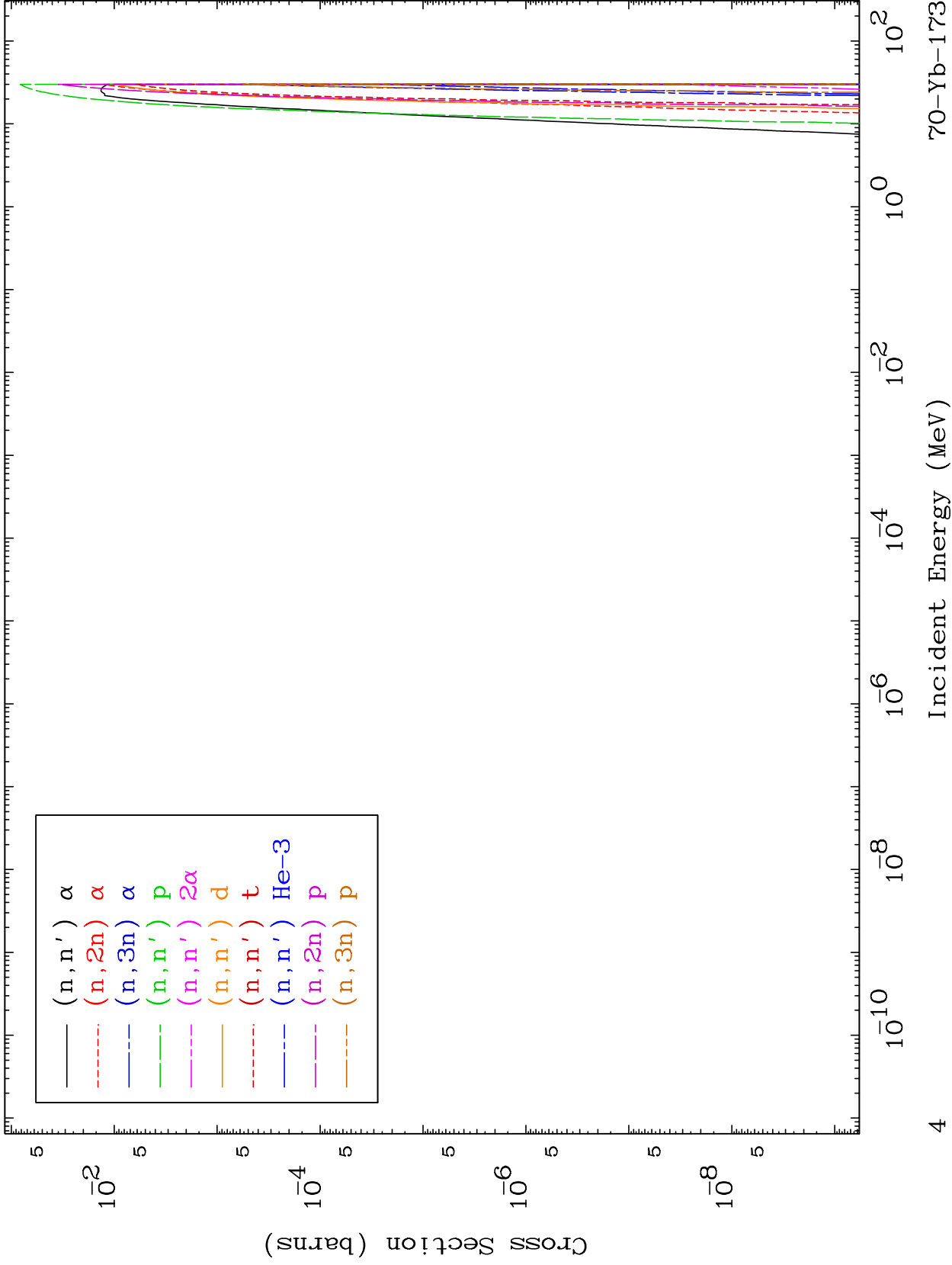




MAT 7040

Charged Particle  
293 Kelvin Cross Sections

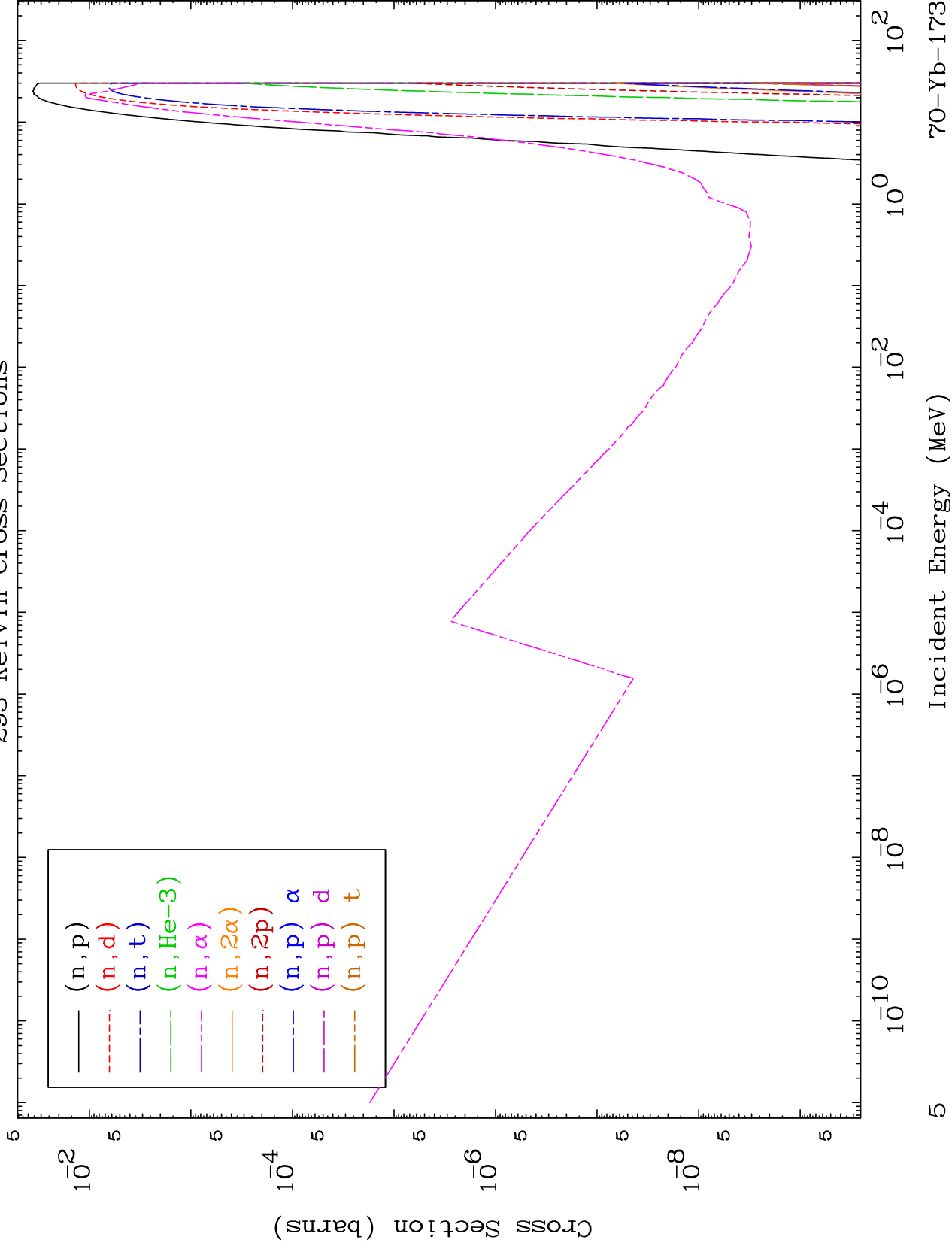
70-Yb-173



MAT 7040

Charged Particle  
293 Kelvin Cross Sections

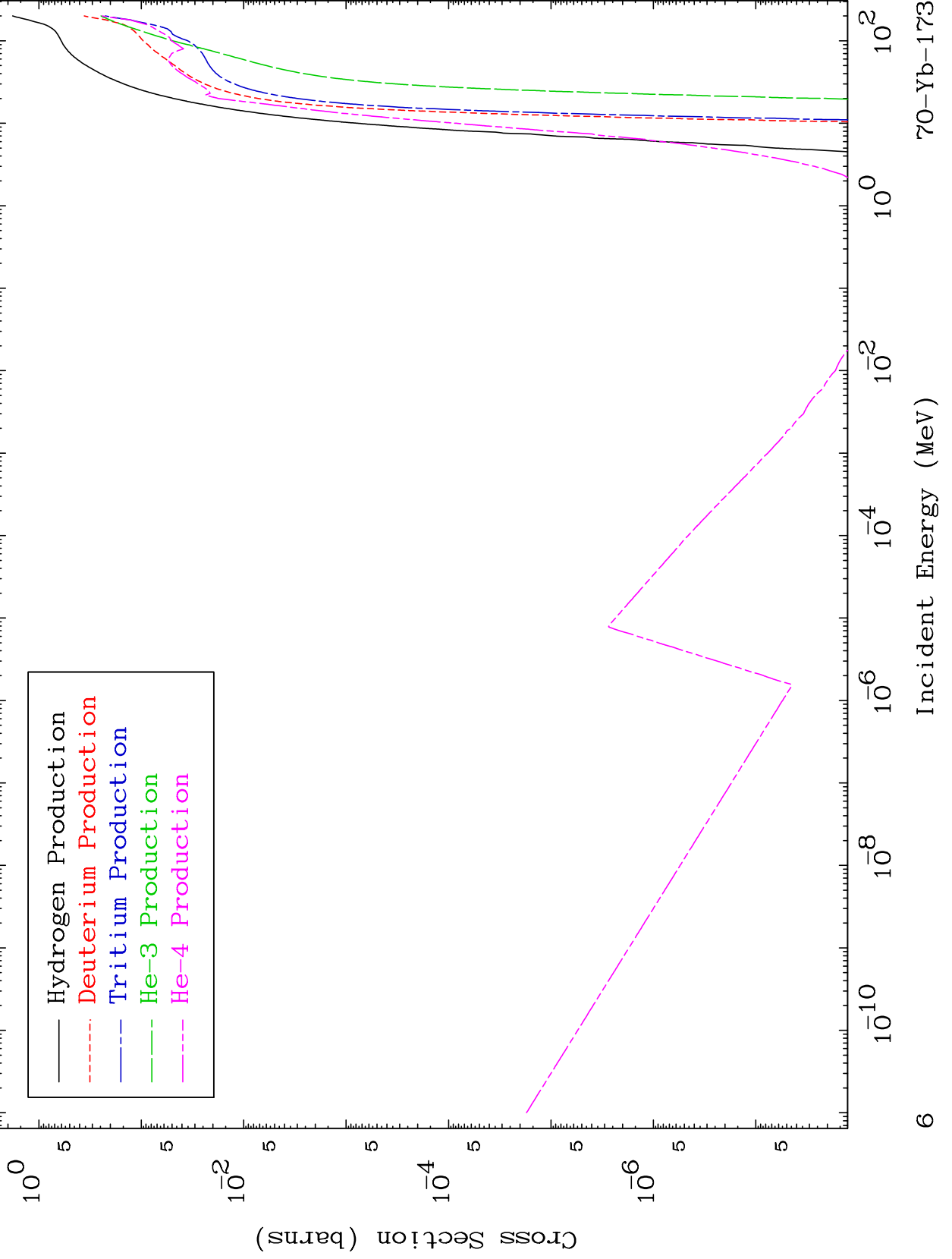
70-Yb-173



MAT 7040

Particle Production  
293 Kelvin Cross Sections

70-Yb-173

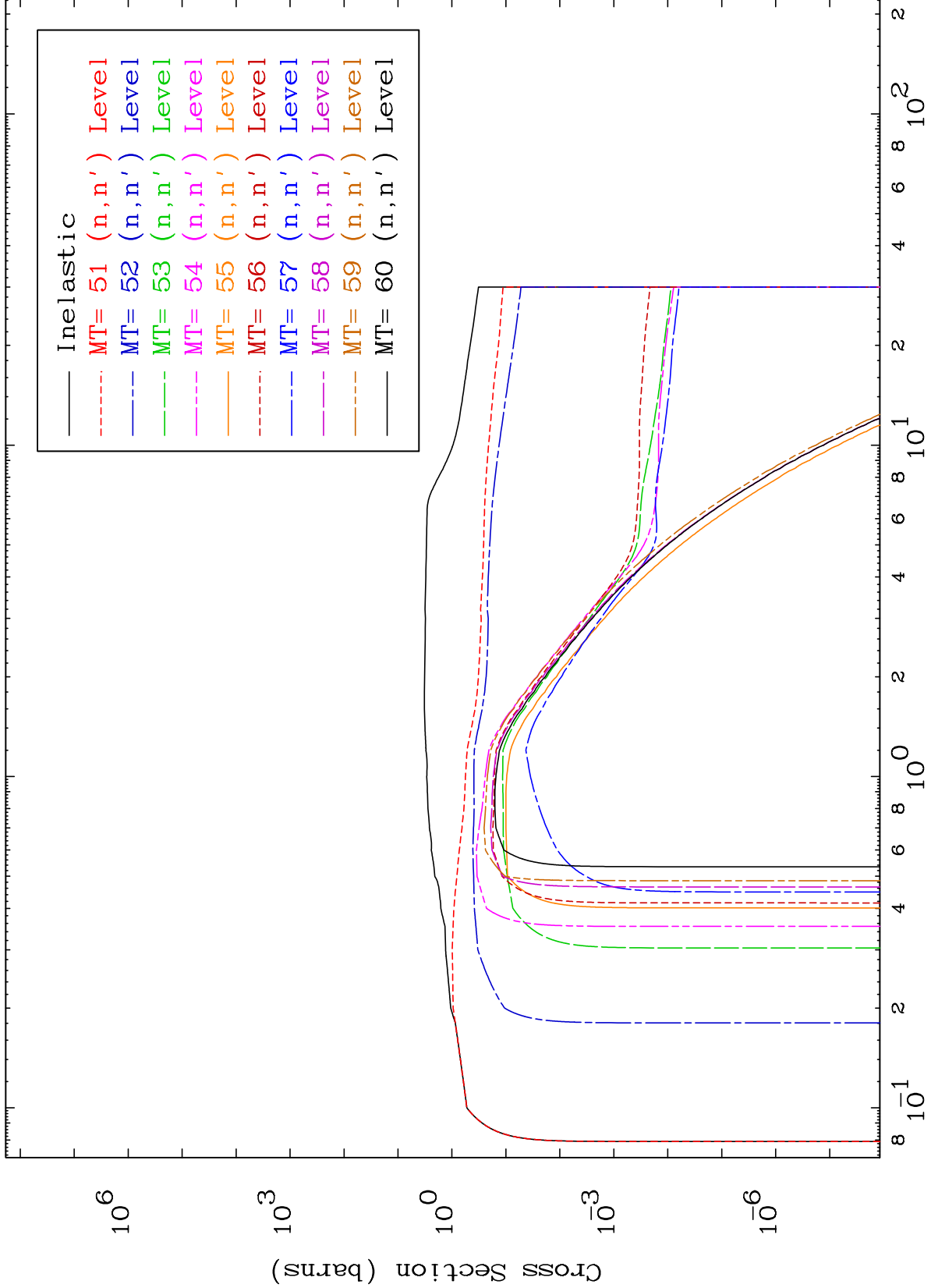


MAT 7040

(n,n') Level

70-Yb-173

293 Kelvin Cross Sections



Incident Energy (MeV)

70-Yb-173

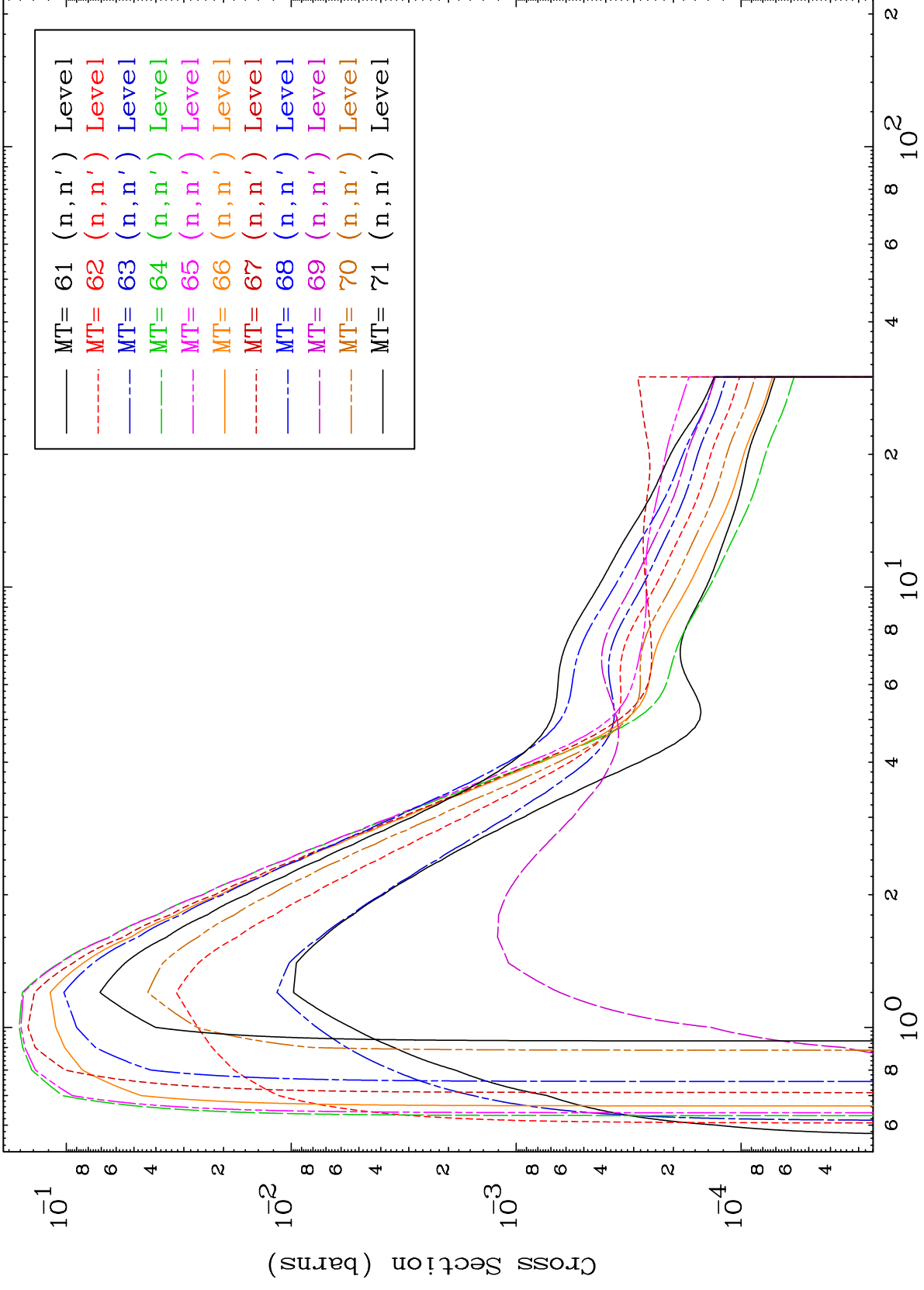


MAT 7040

(n,n') Level

70-Yb-173

293 Kelvin Cross Sections



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Incident Energy (MeV)

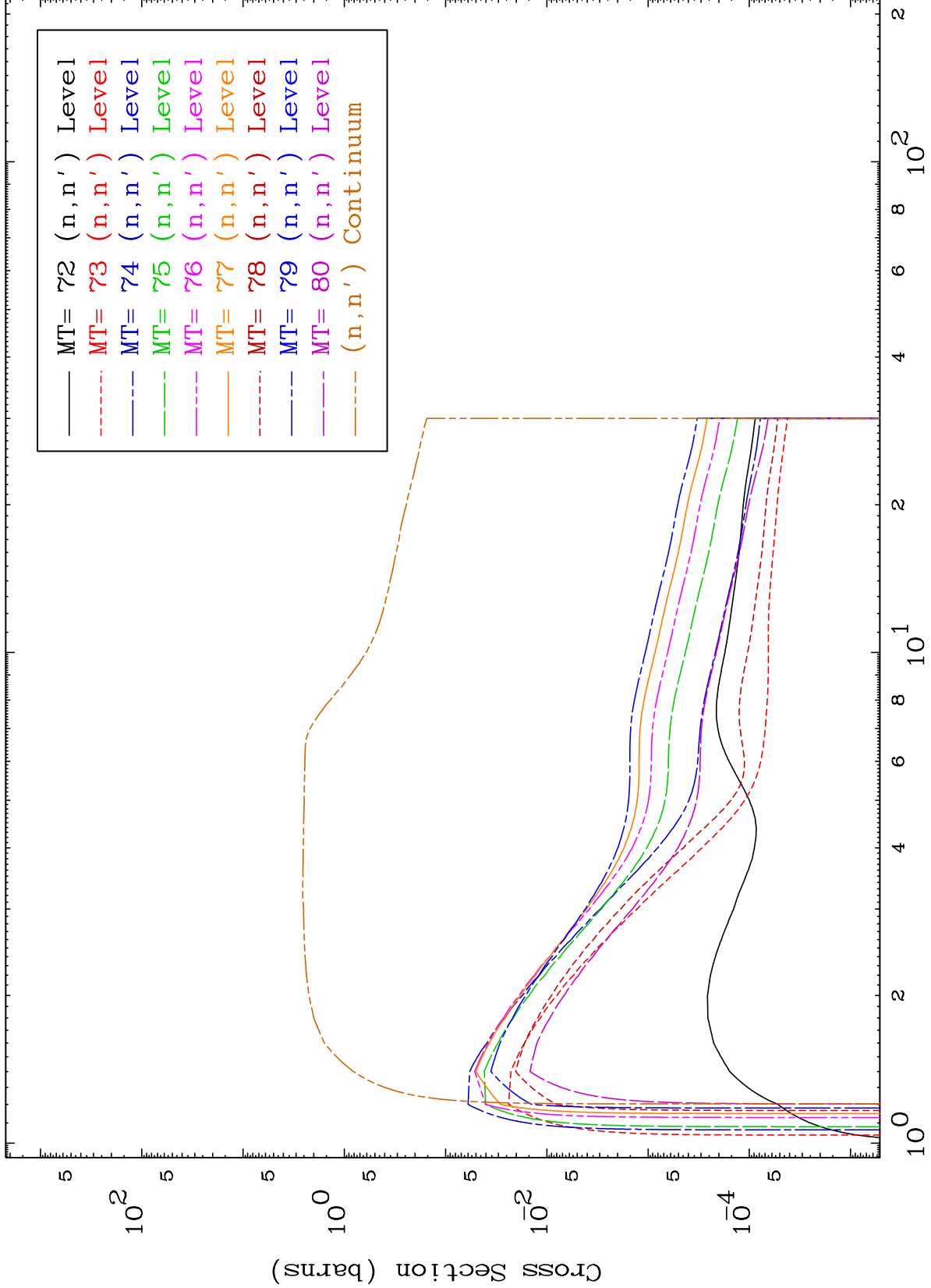
70-Yb-173

MAT 7040

(n,n') Level

70-Yb-173

293 Kelvin Cross Sections



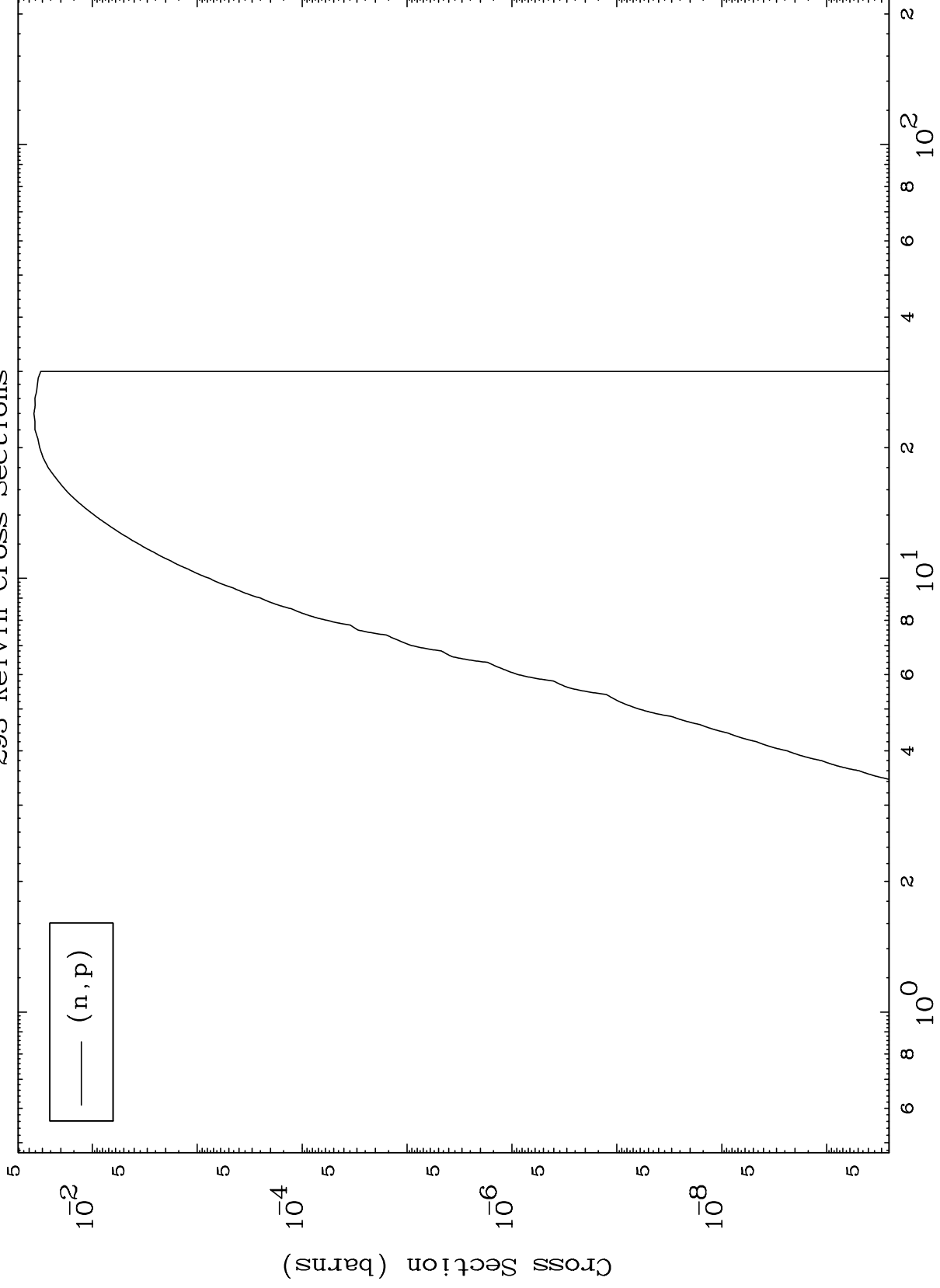
Incident Energy (MeV)

70-Yb-173

MAT 7040

(n,p) Levels  
293 Kelvin Cross Sections

70-Yb-173



10

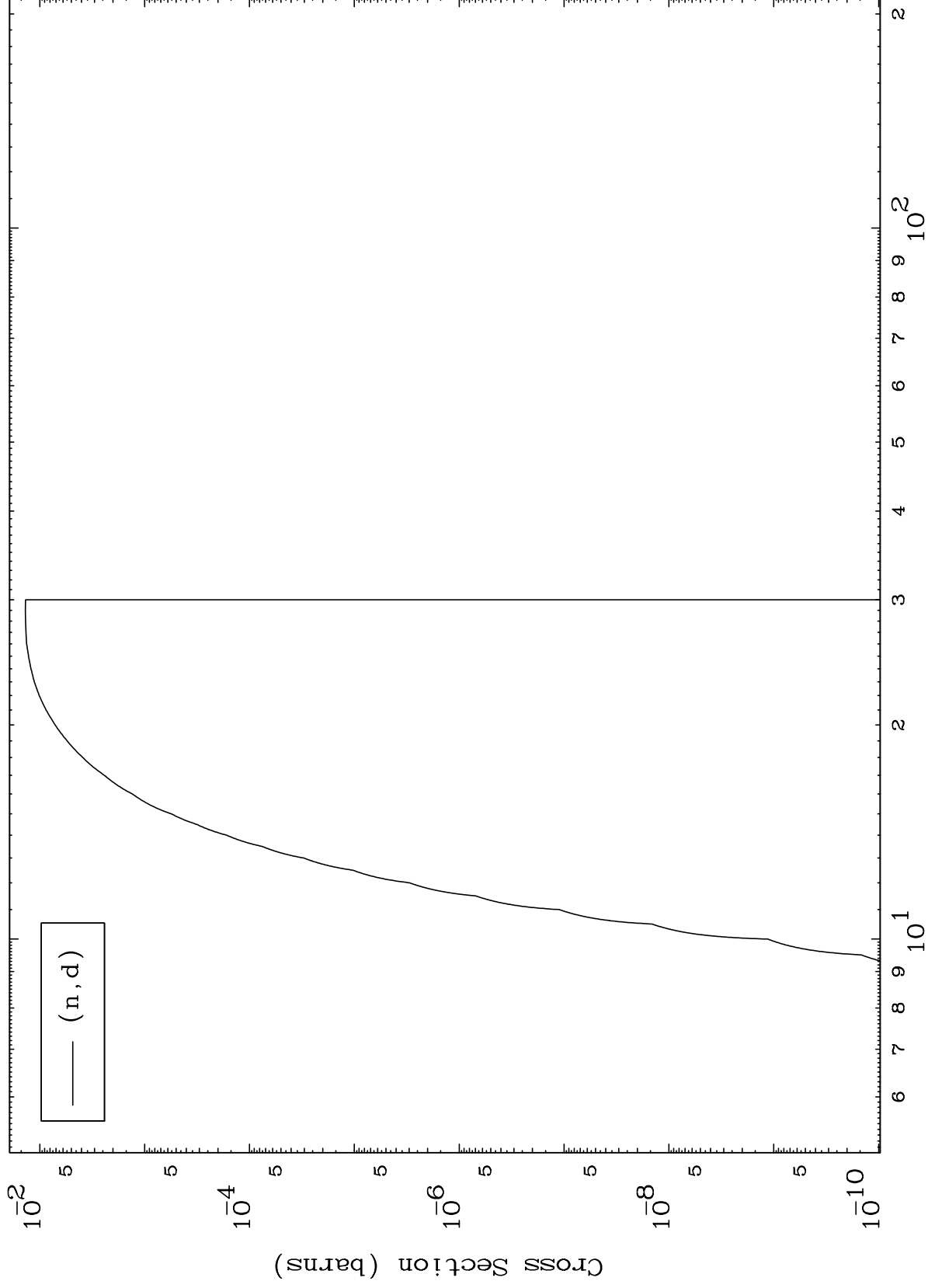
Incident Energy (MeV)

70-Yb-173

MAT 7040

(n,d) Levels  
293 Kelvin Cross Sections

70-Yb-173



11

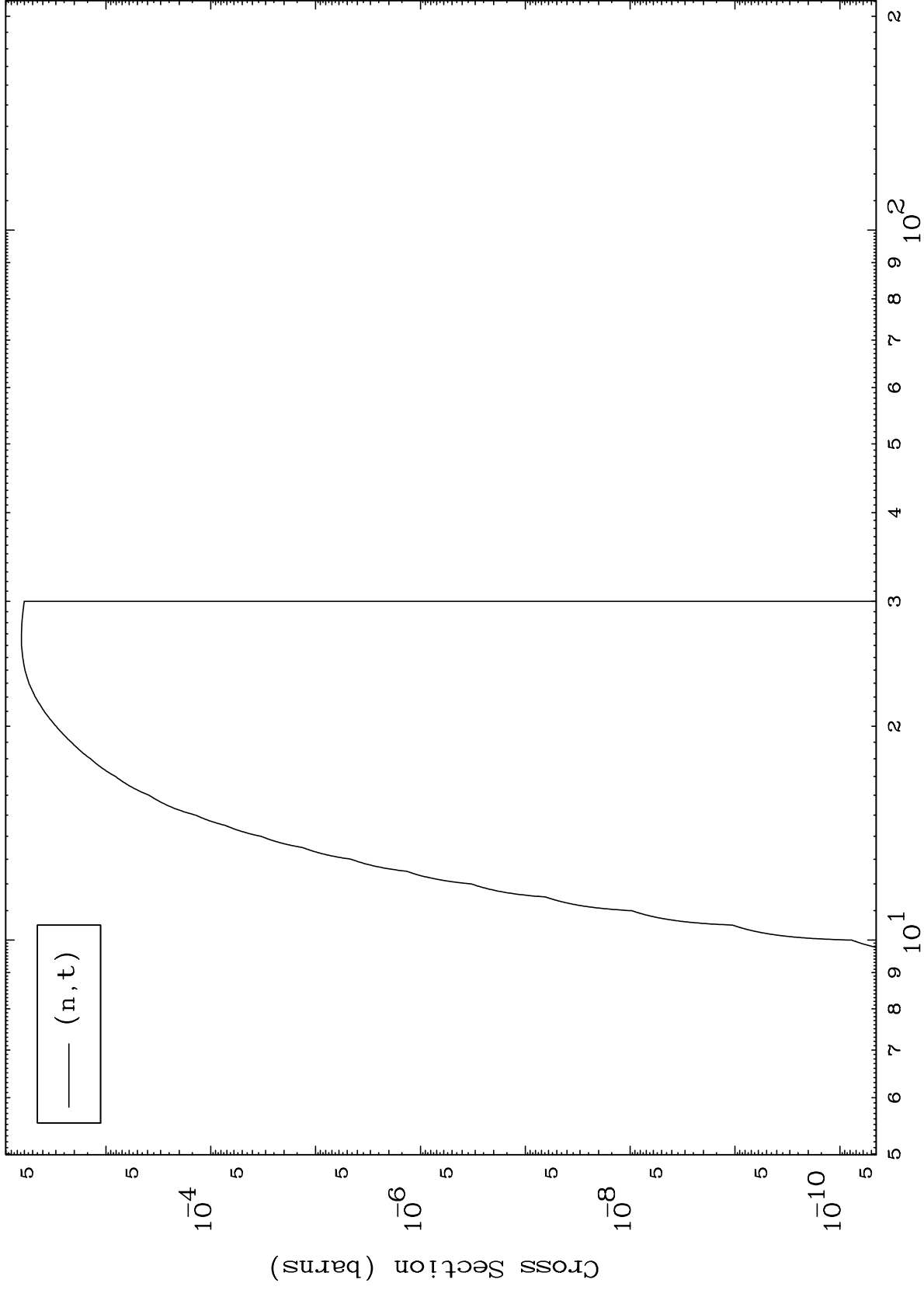
Incident Energy (MeV)

70-Yb-173

MAT 7040

(n,t) Levels  
293 Kelvin Cross Sections

70-Yb-173



12

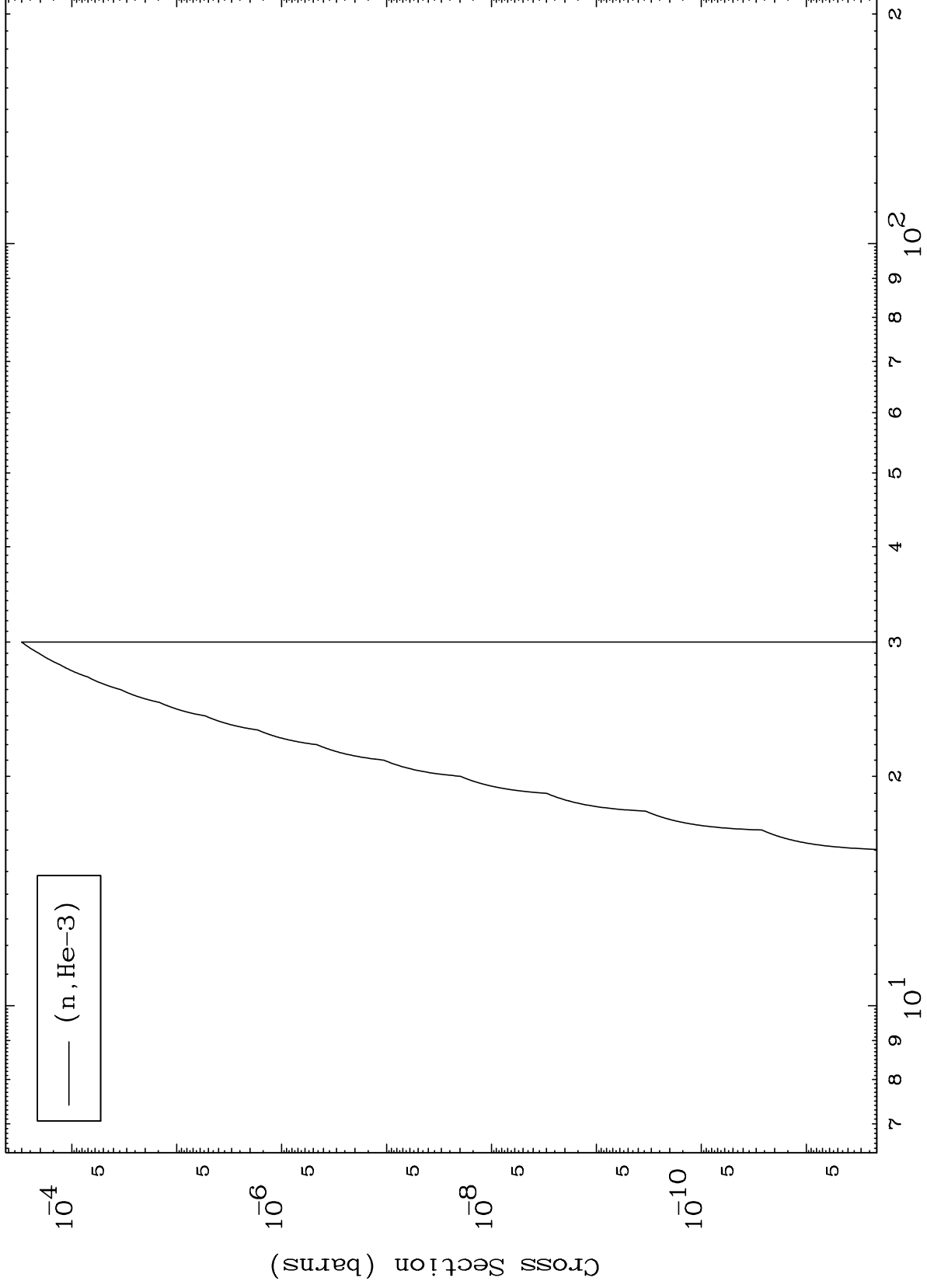
Incident Energy (MeV)

70-Yb-173

MAT 7040

(n,He3) Levels  
293 Kelvin Cross Sections

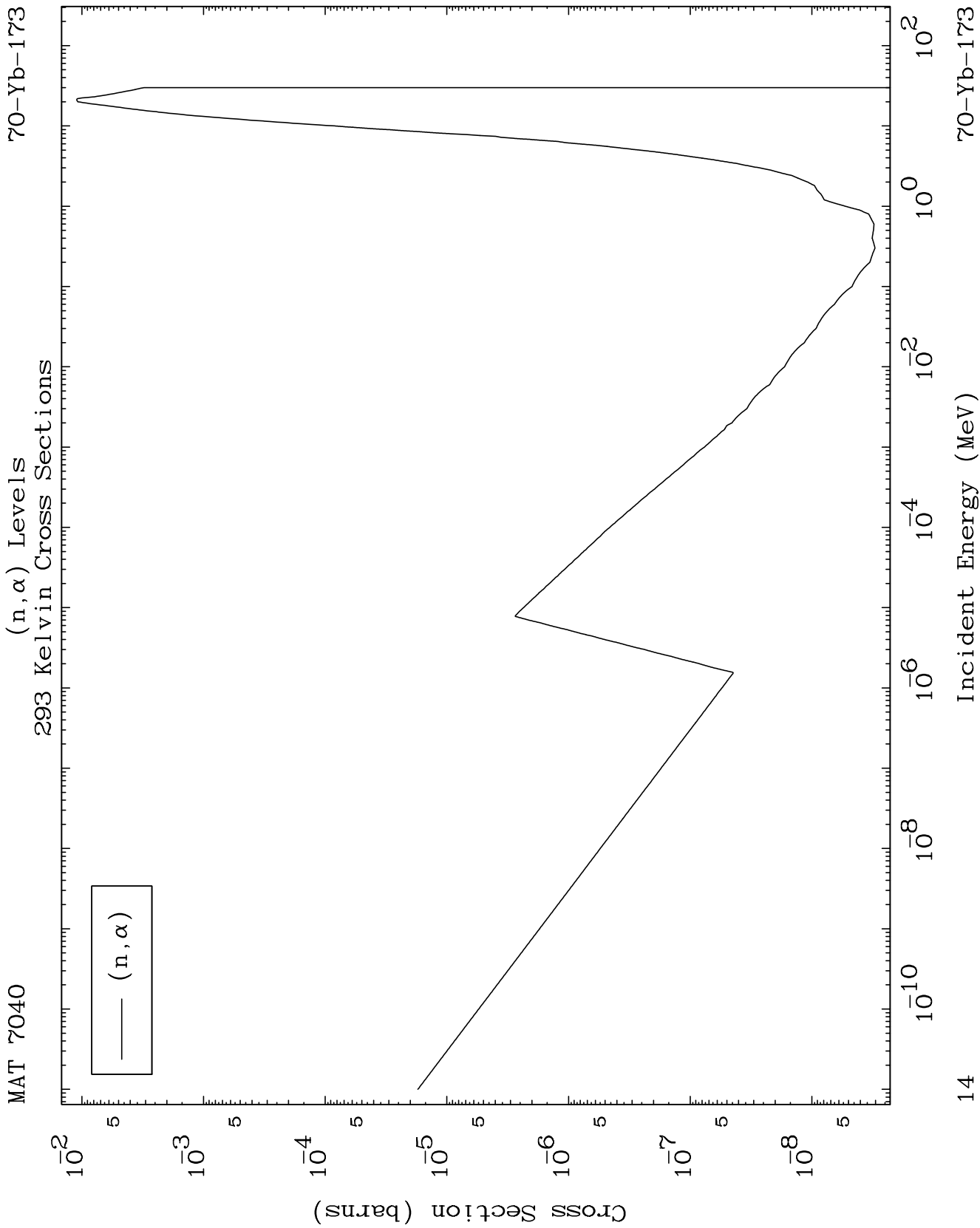
70-Yb-173

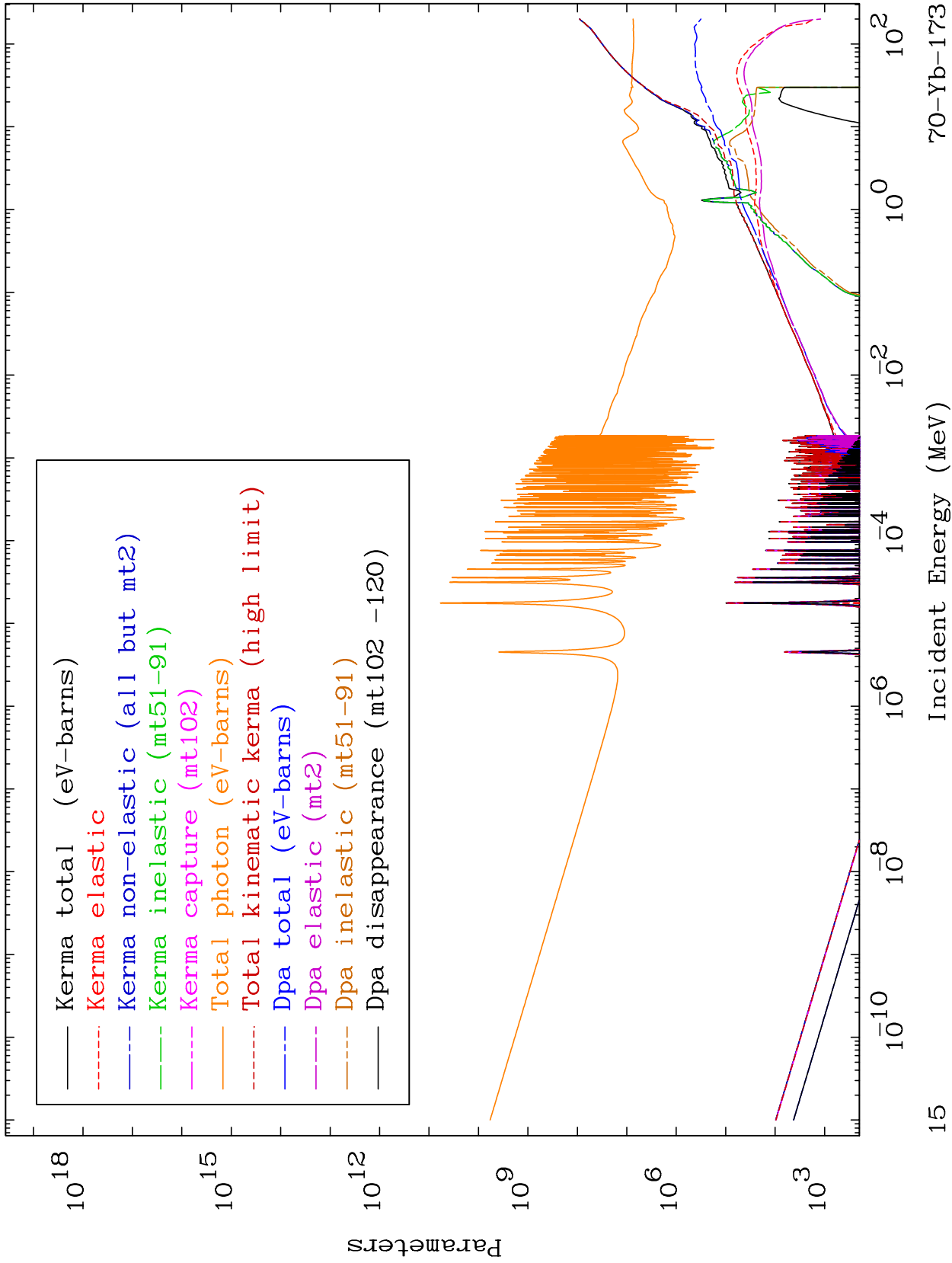


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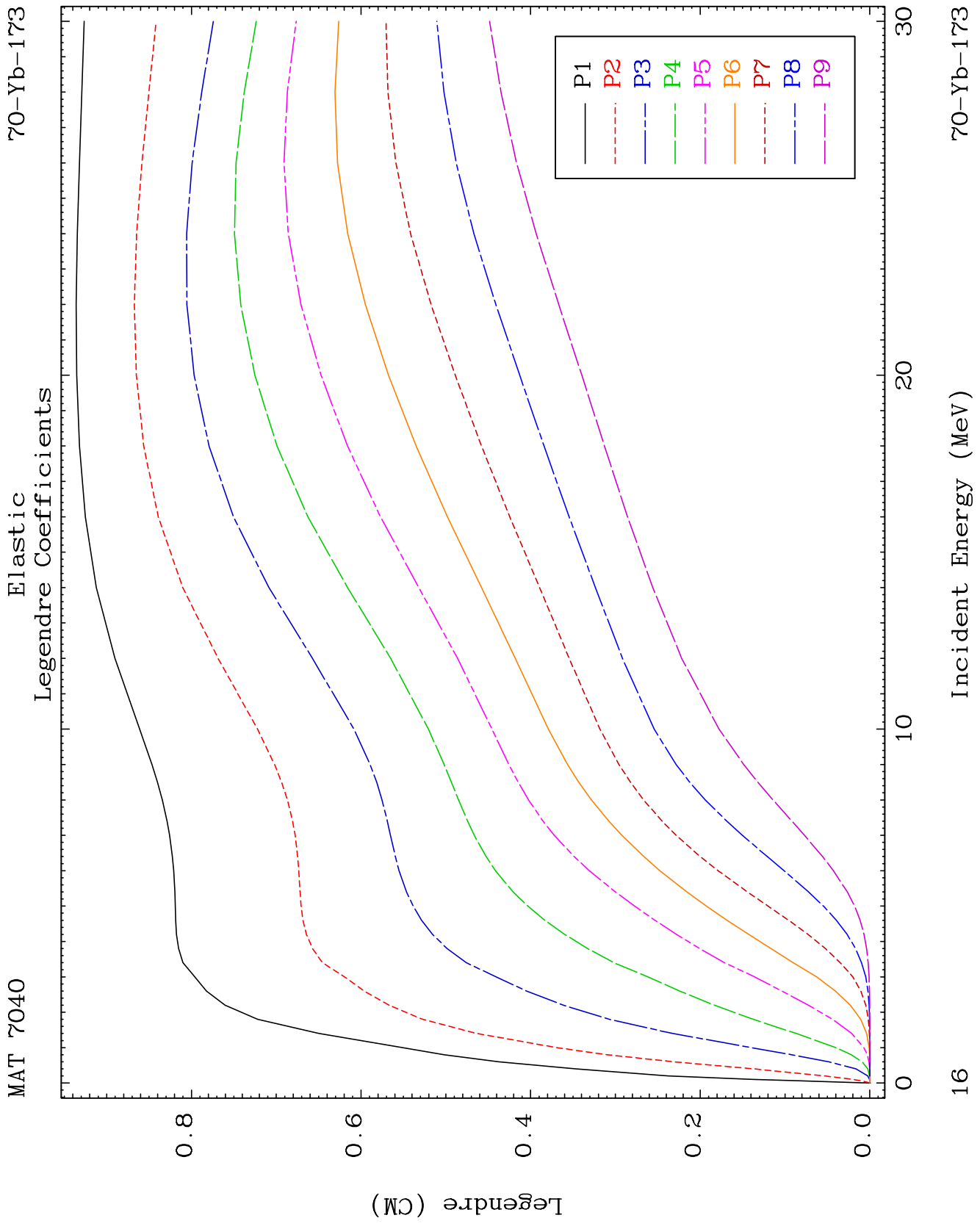
Incident Energy (MeV)

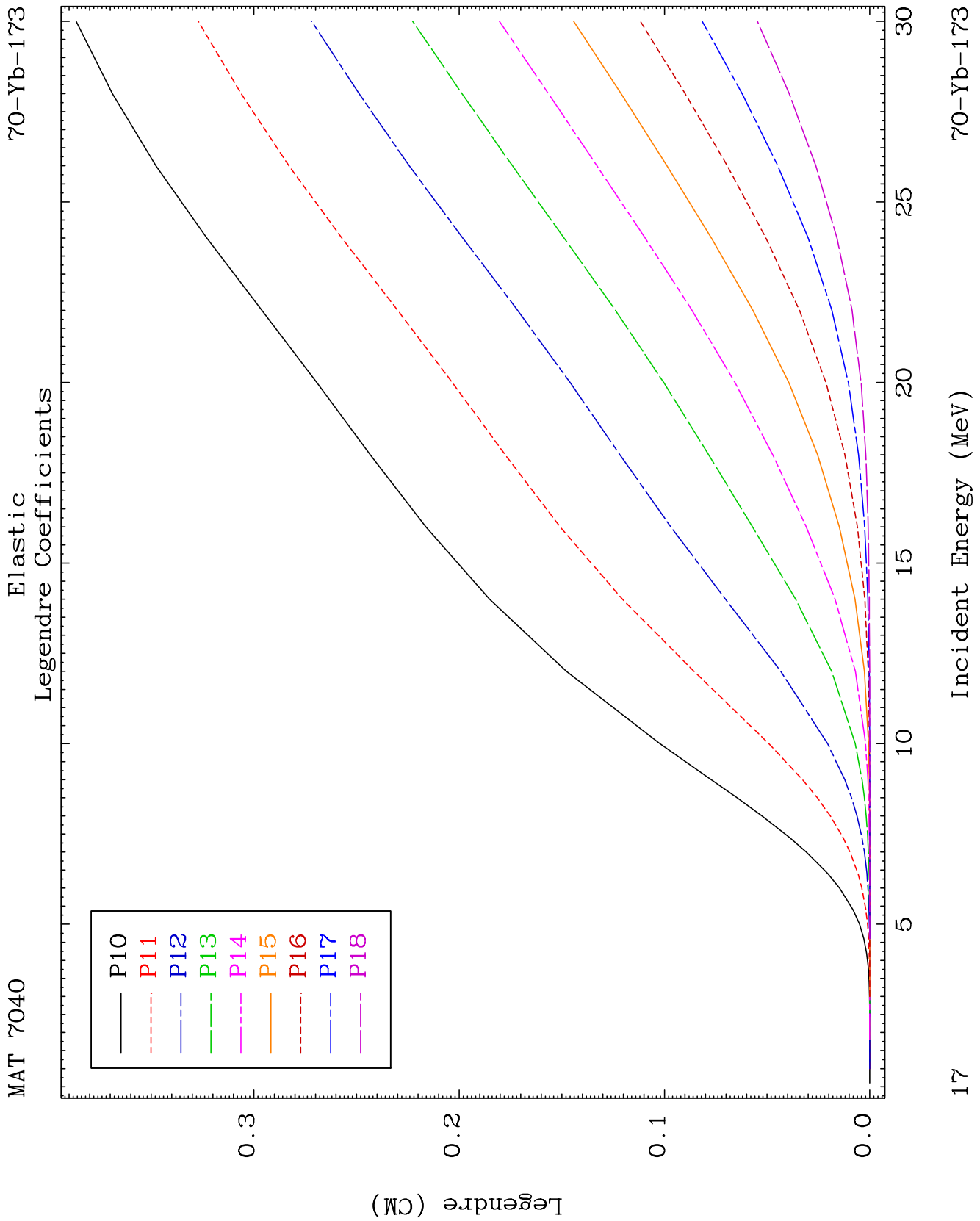
70-Yb-173





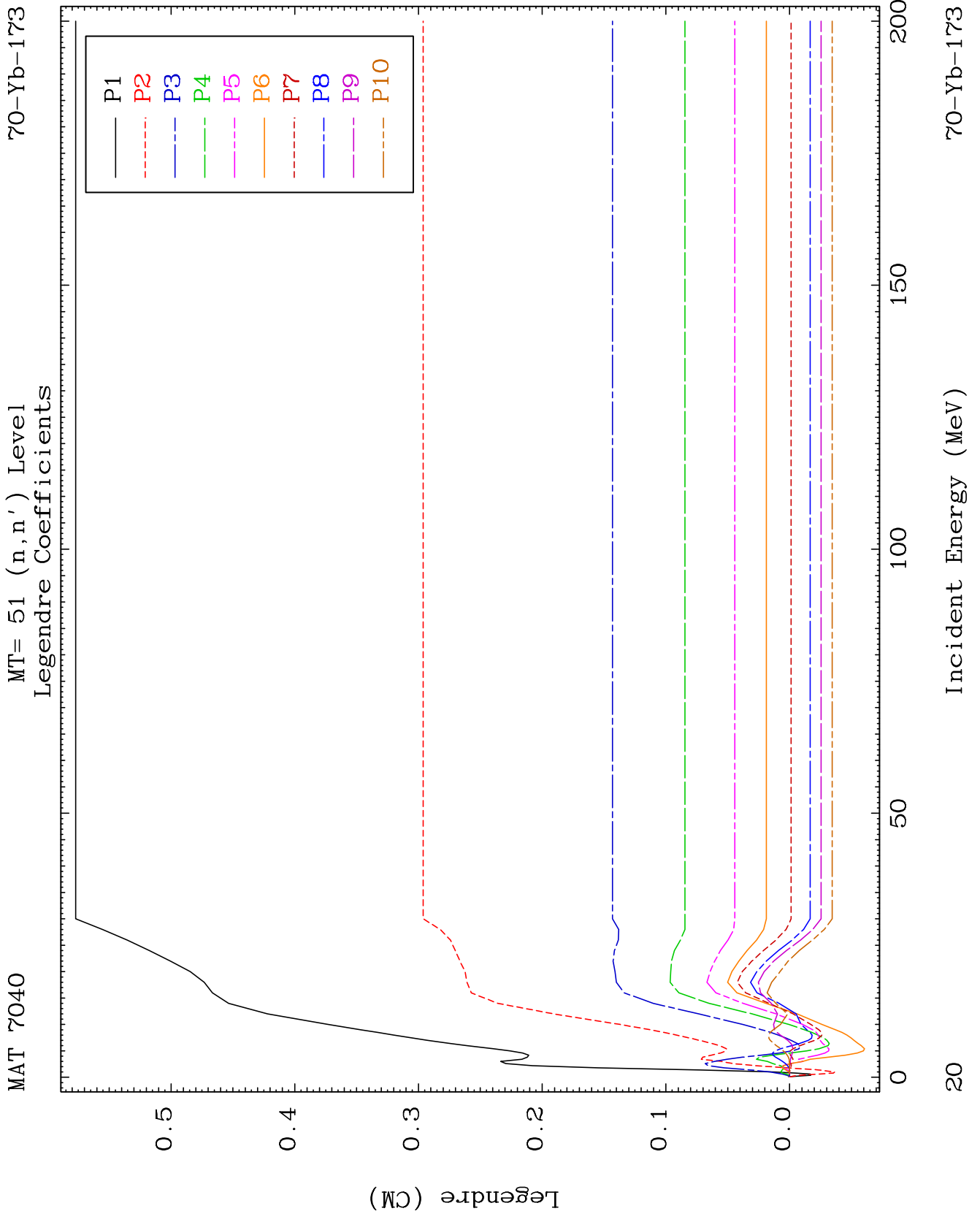


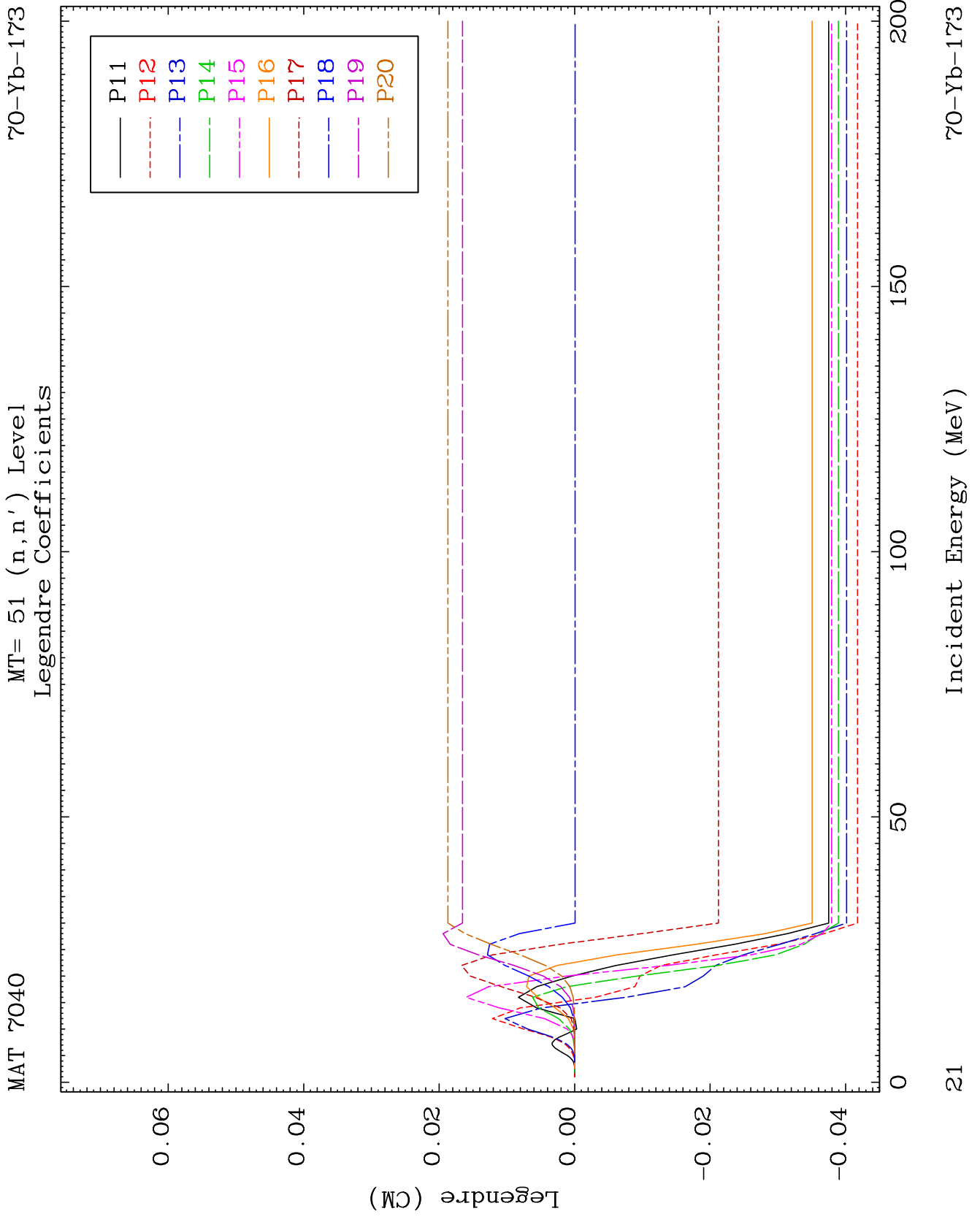


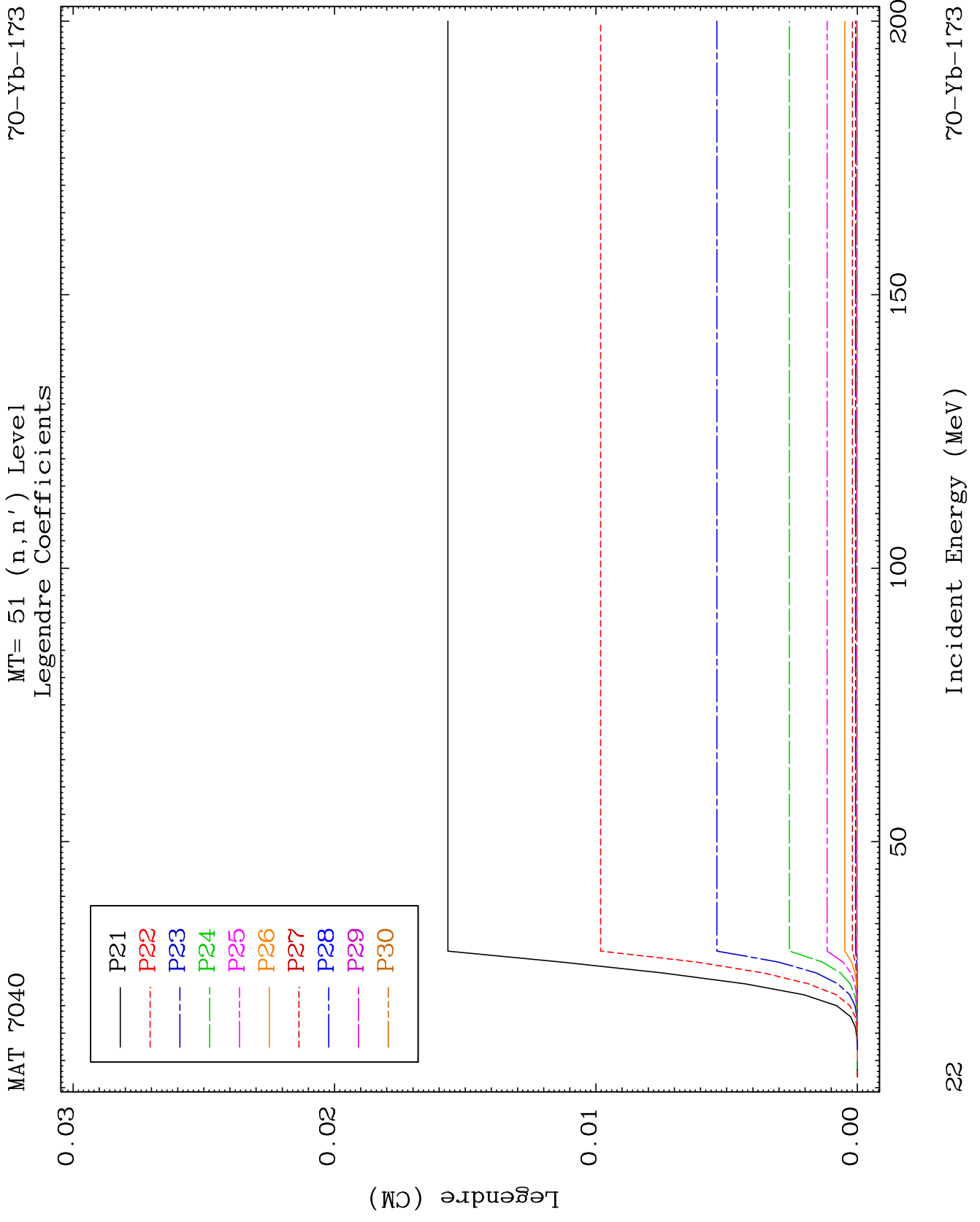


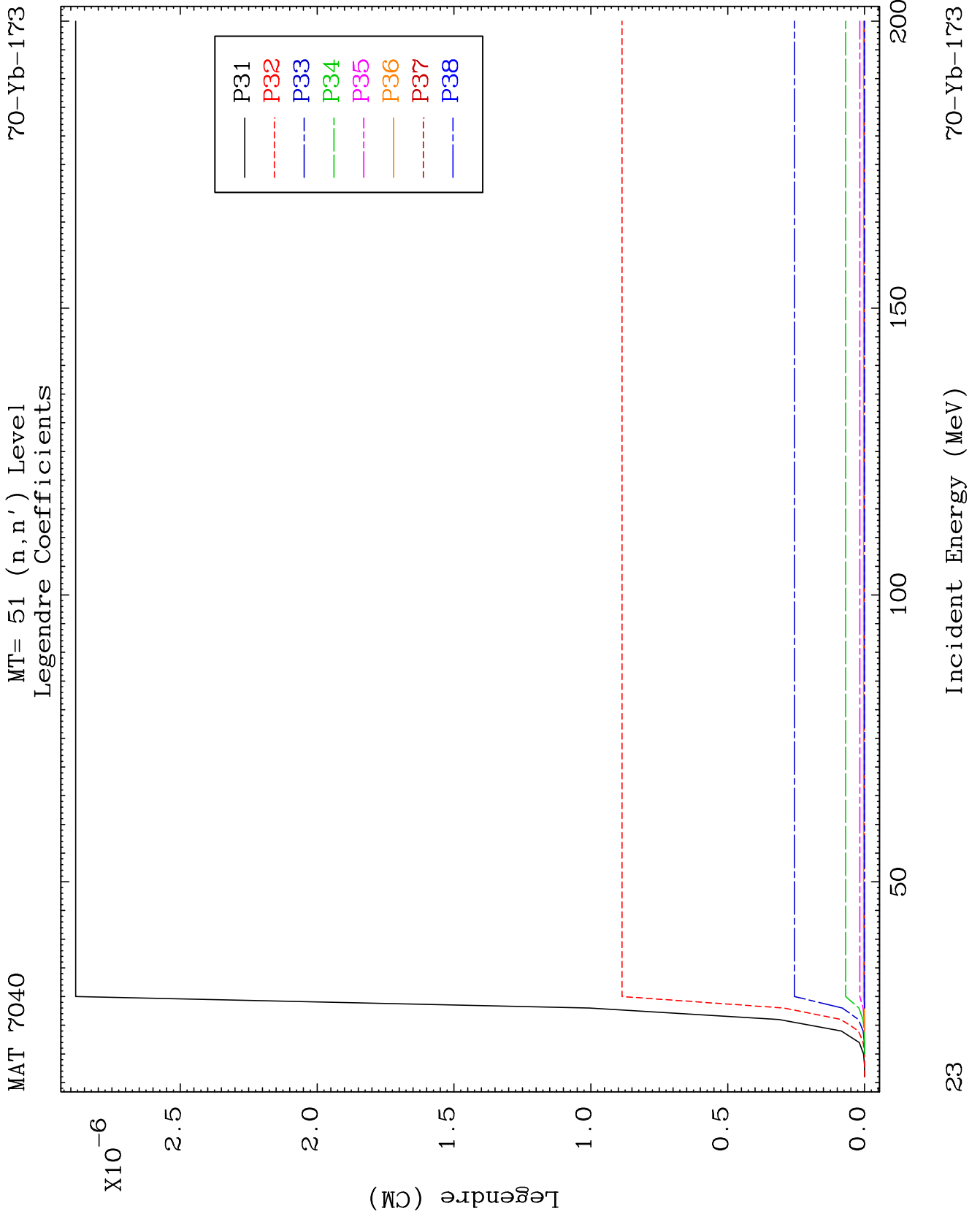




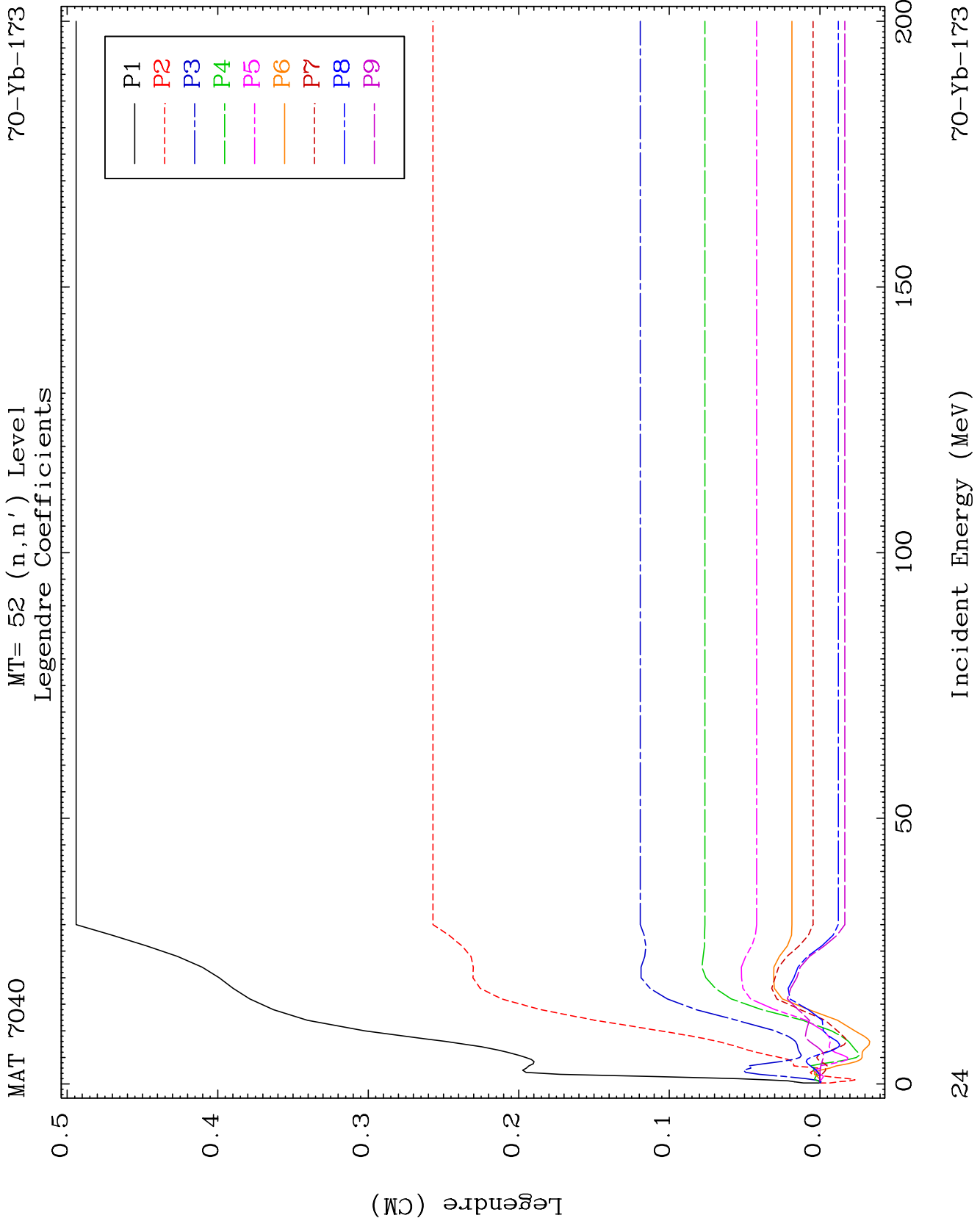


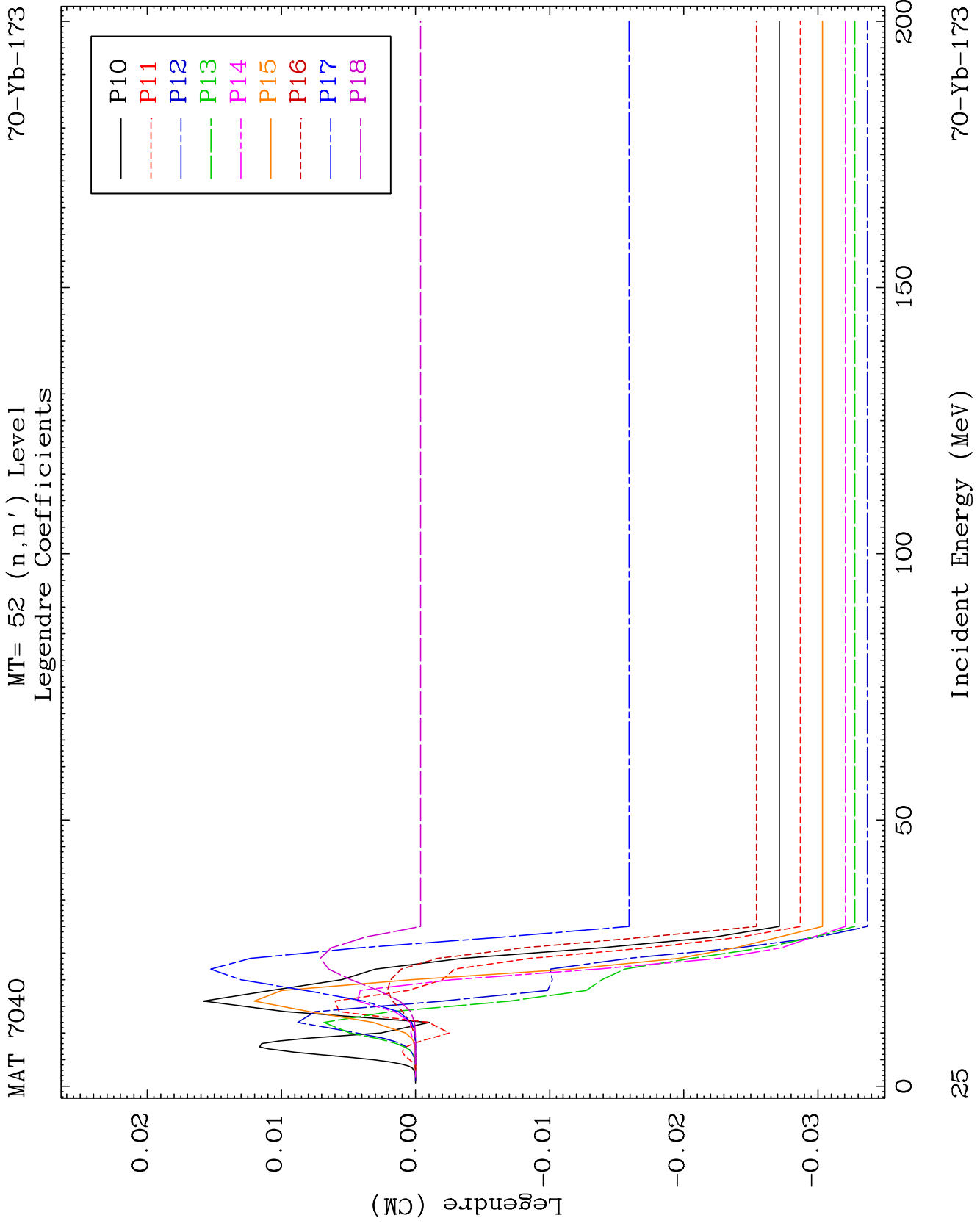


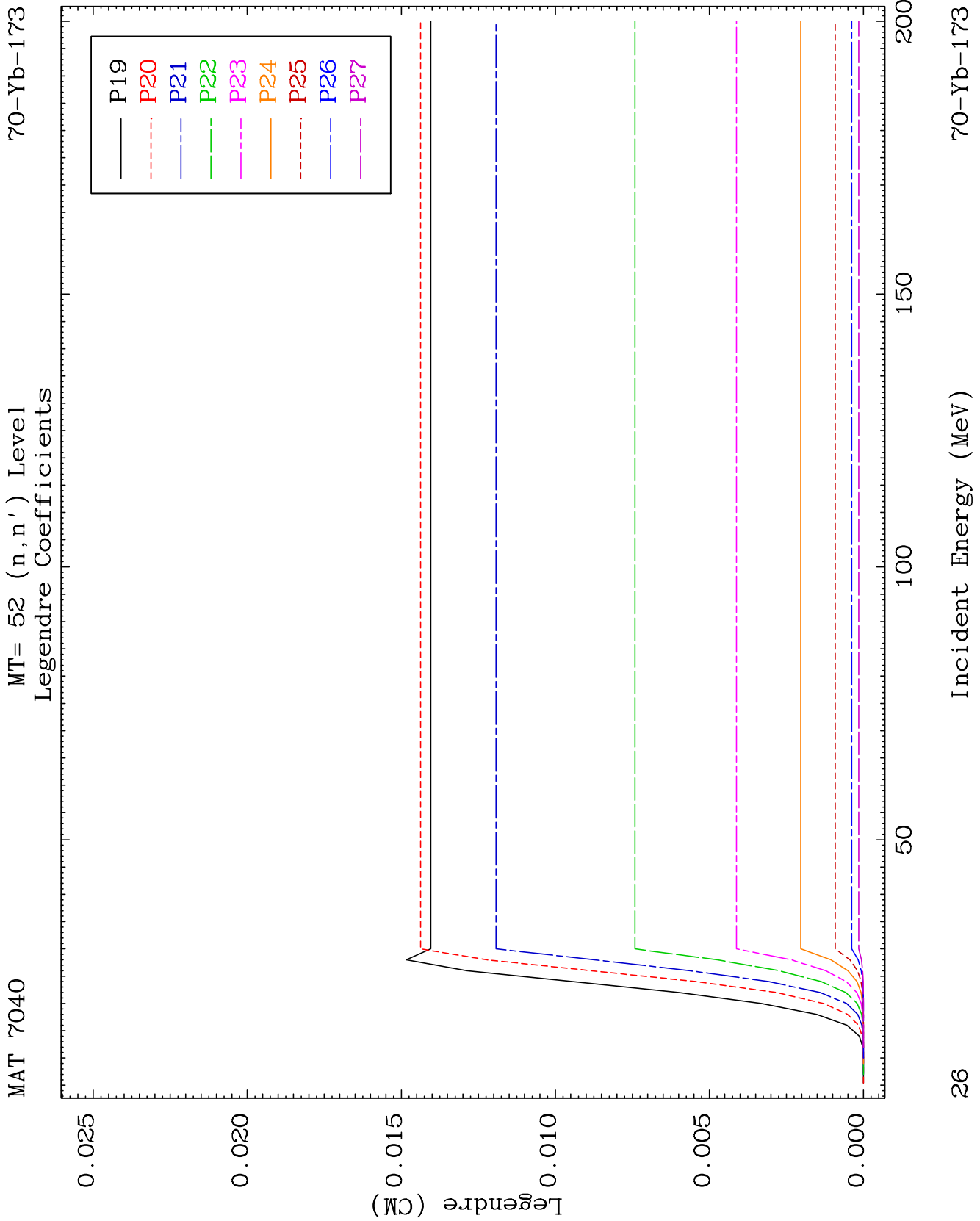








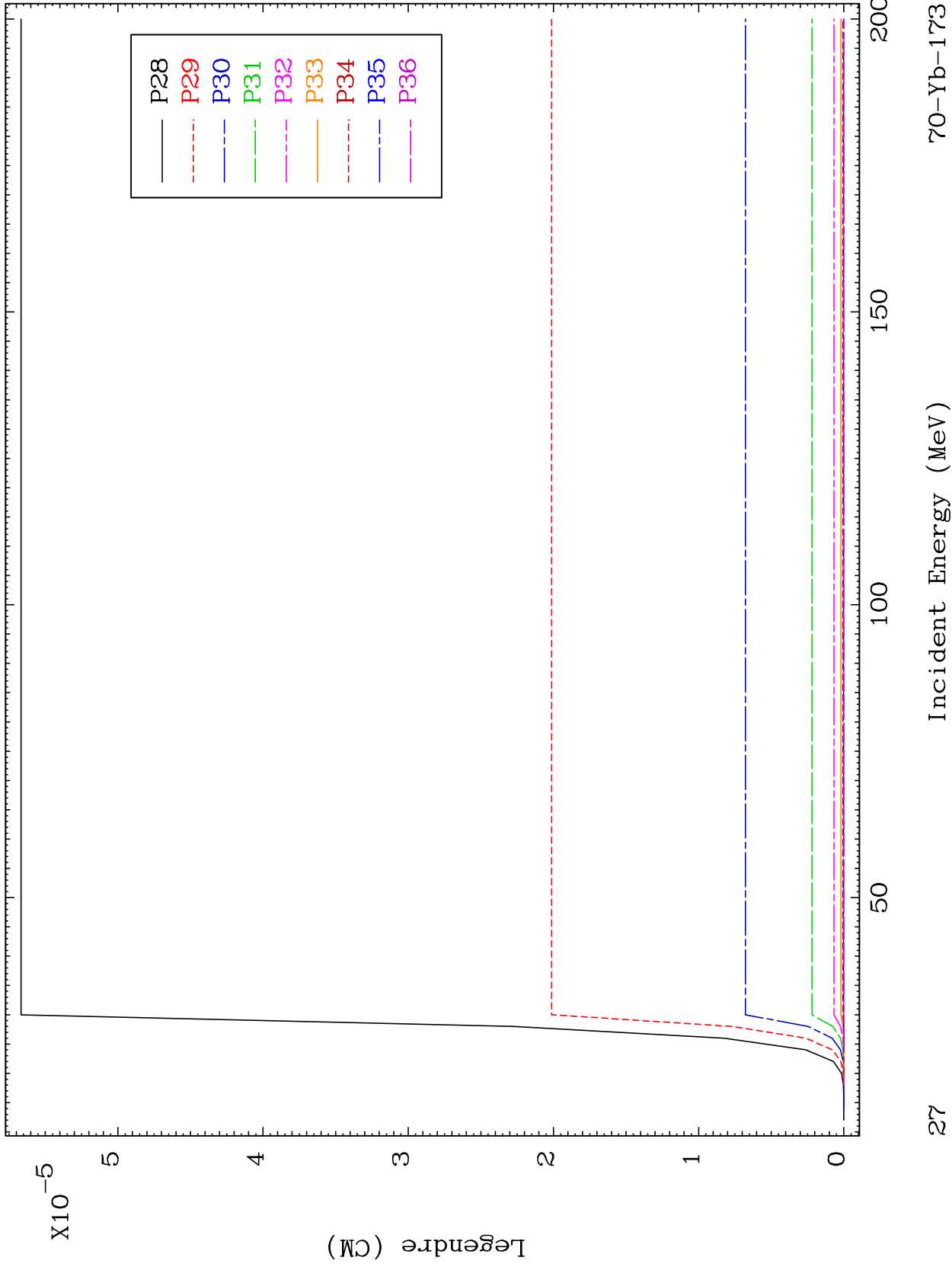




MAT 7040

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

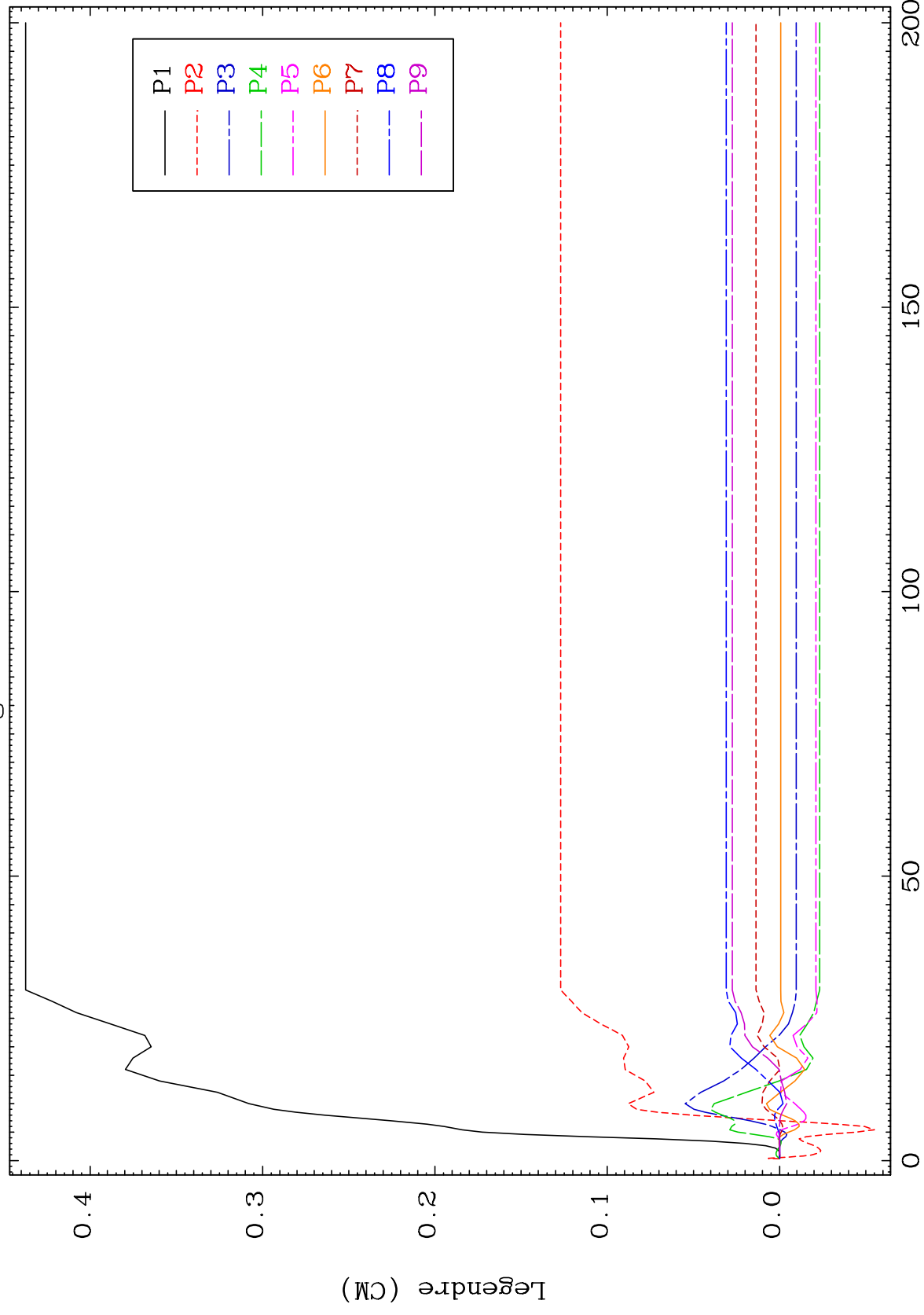
70-Yb-173



MAT 7040

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

70-Yb-173



28

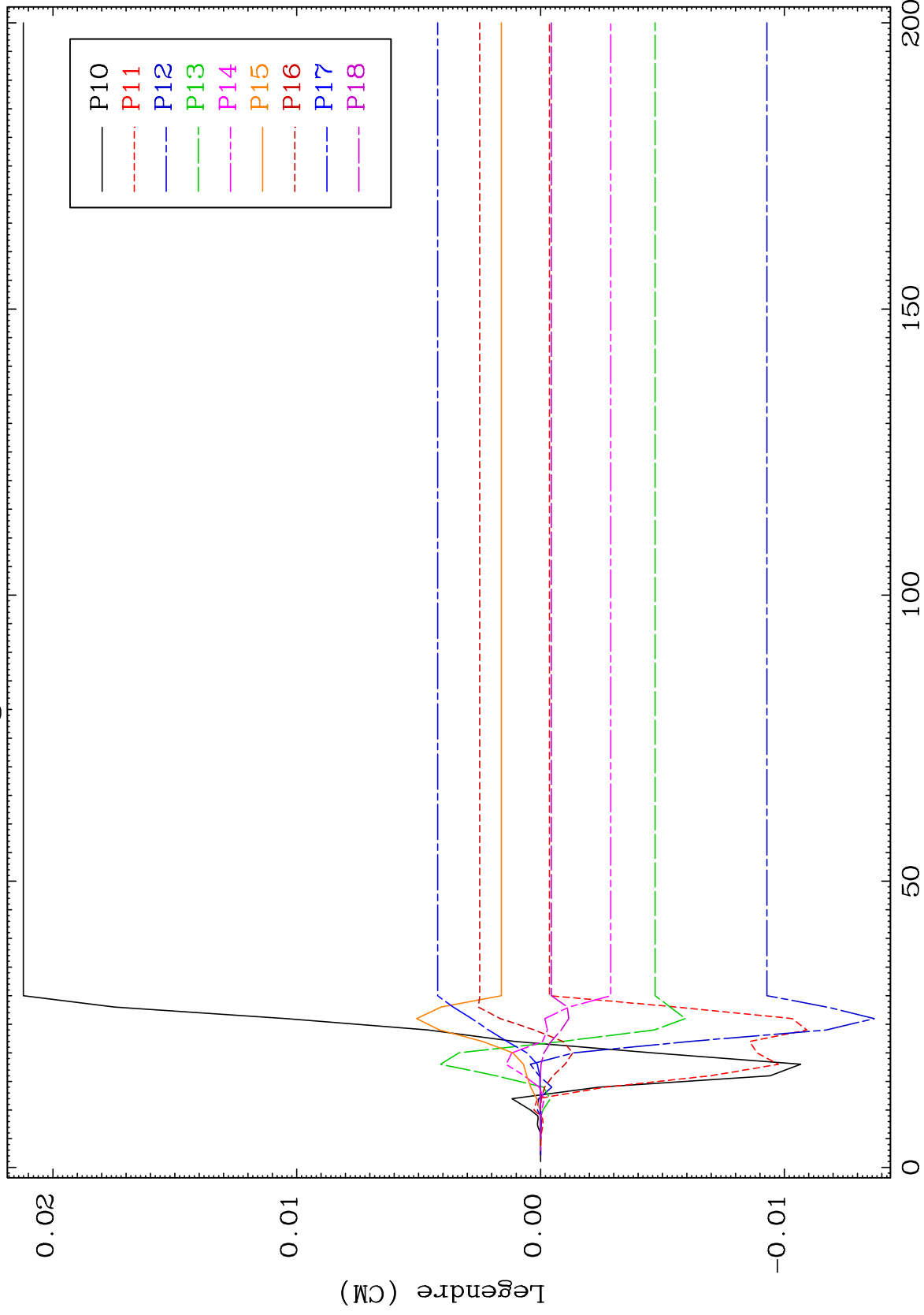
Incident Energy (MeV)

70-Yb-173

MAT 7040

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

70-Yb-173

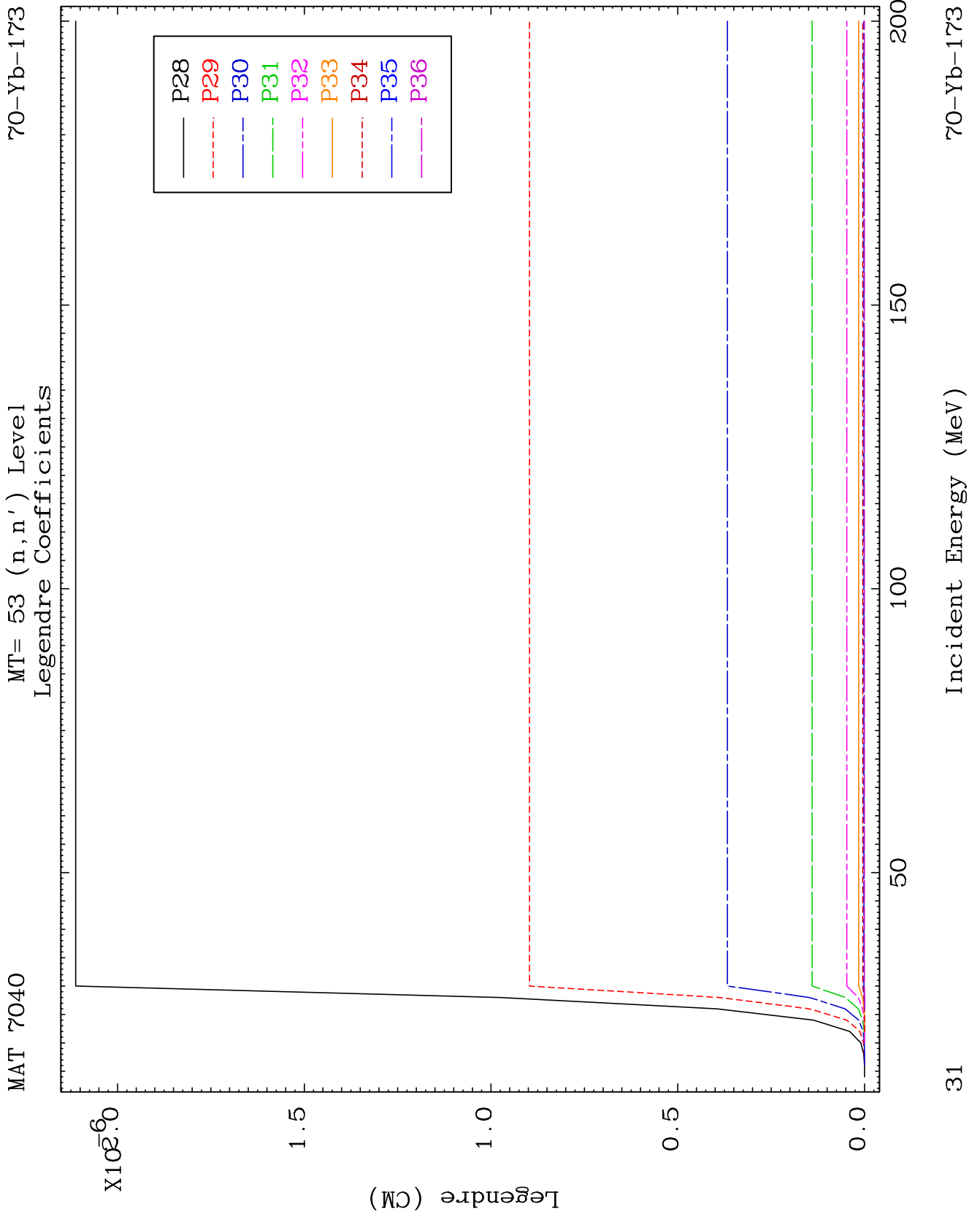


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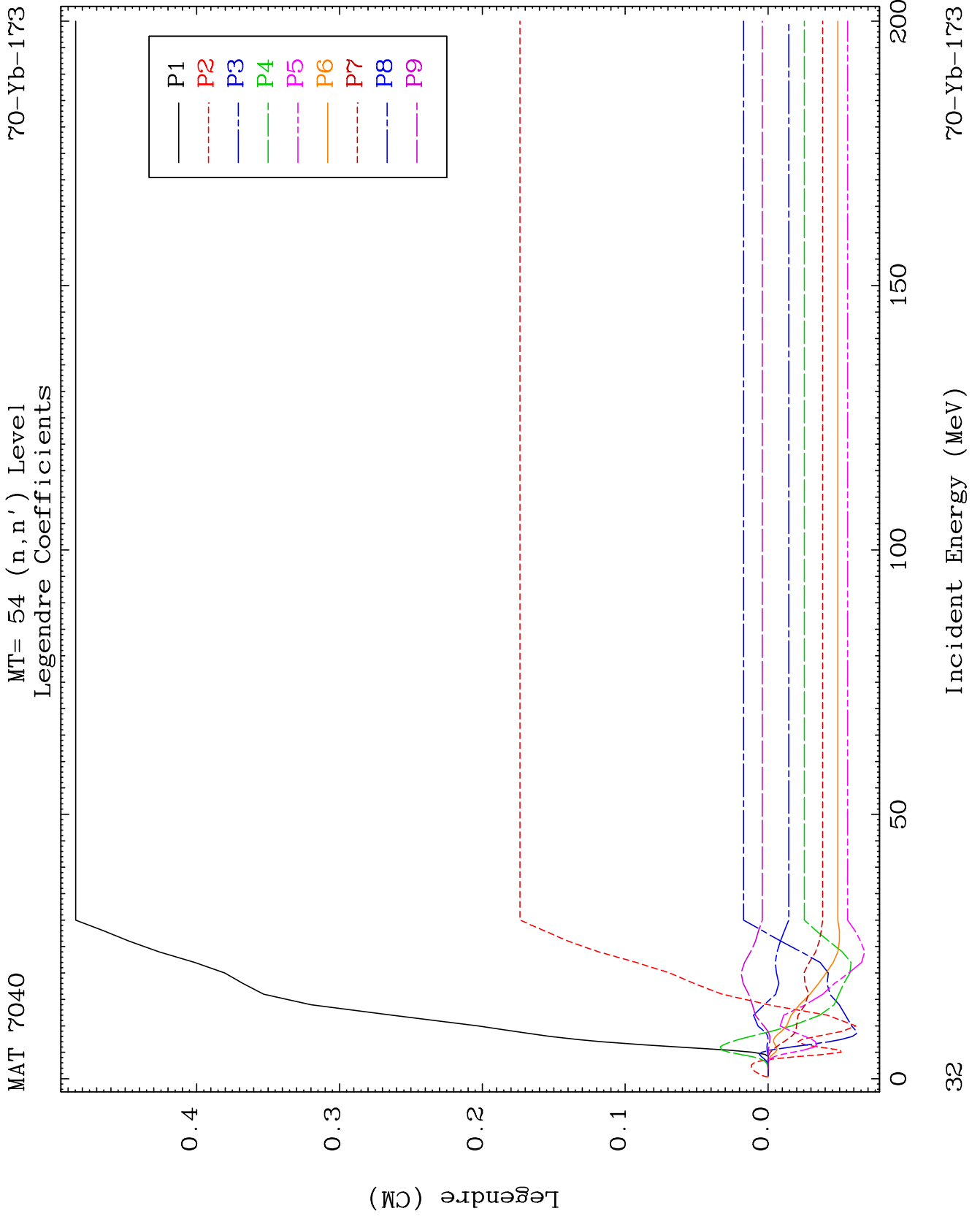
Incident Energy (MeV)

70-Yb-173

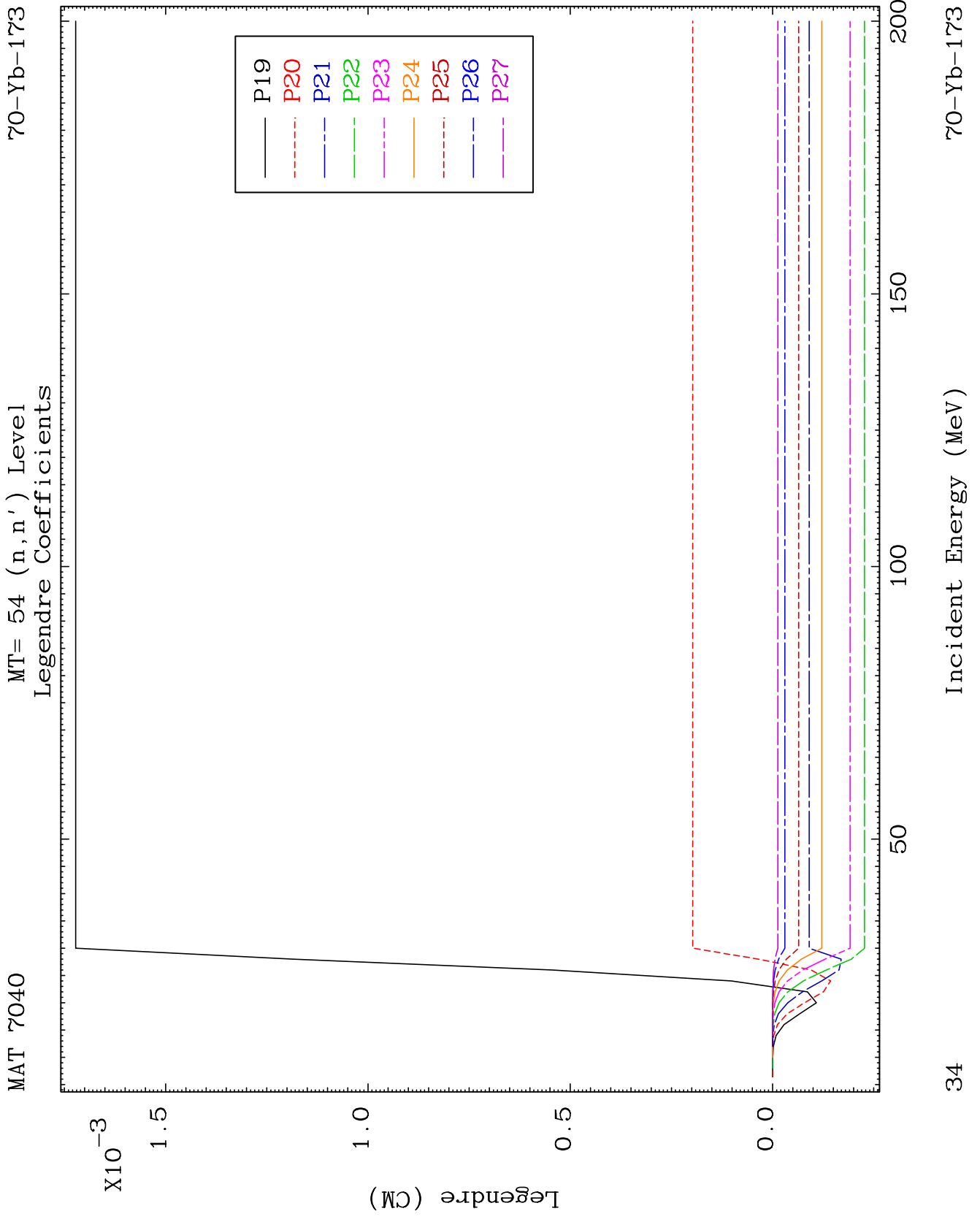


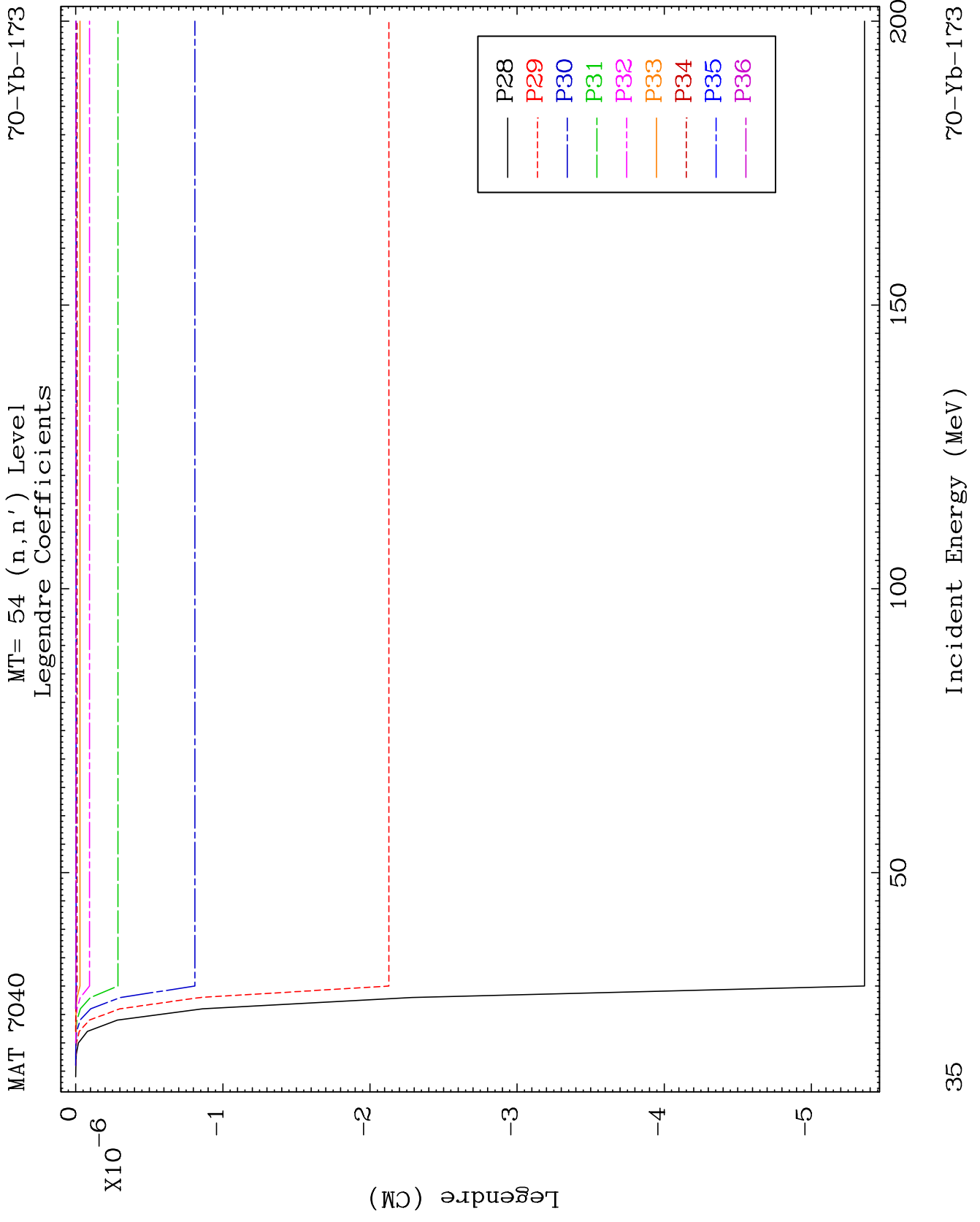




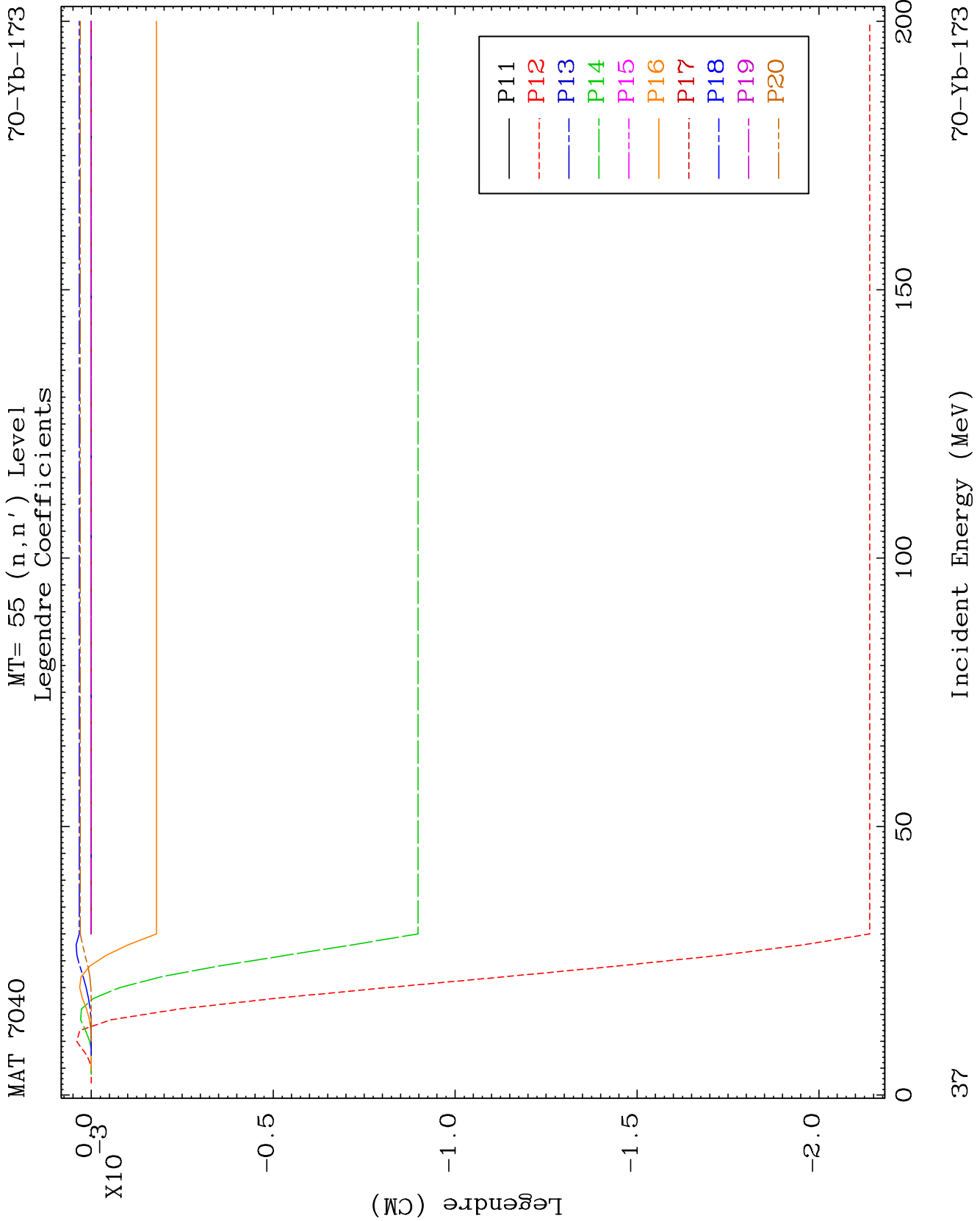


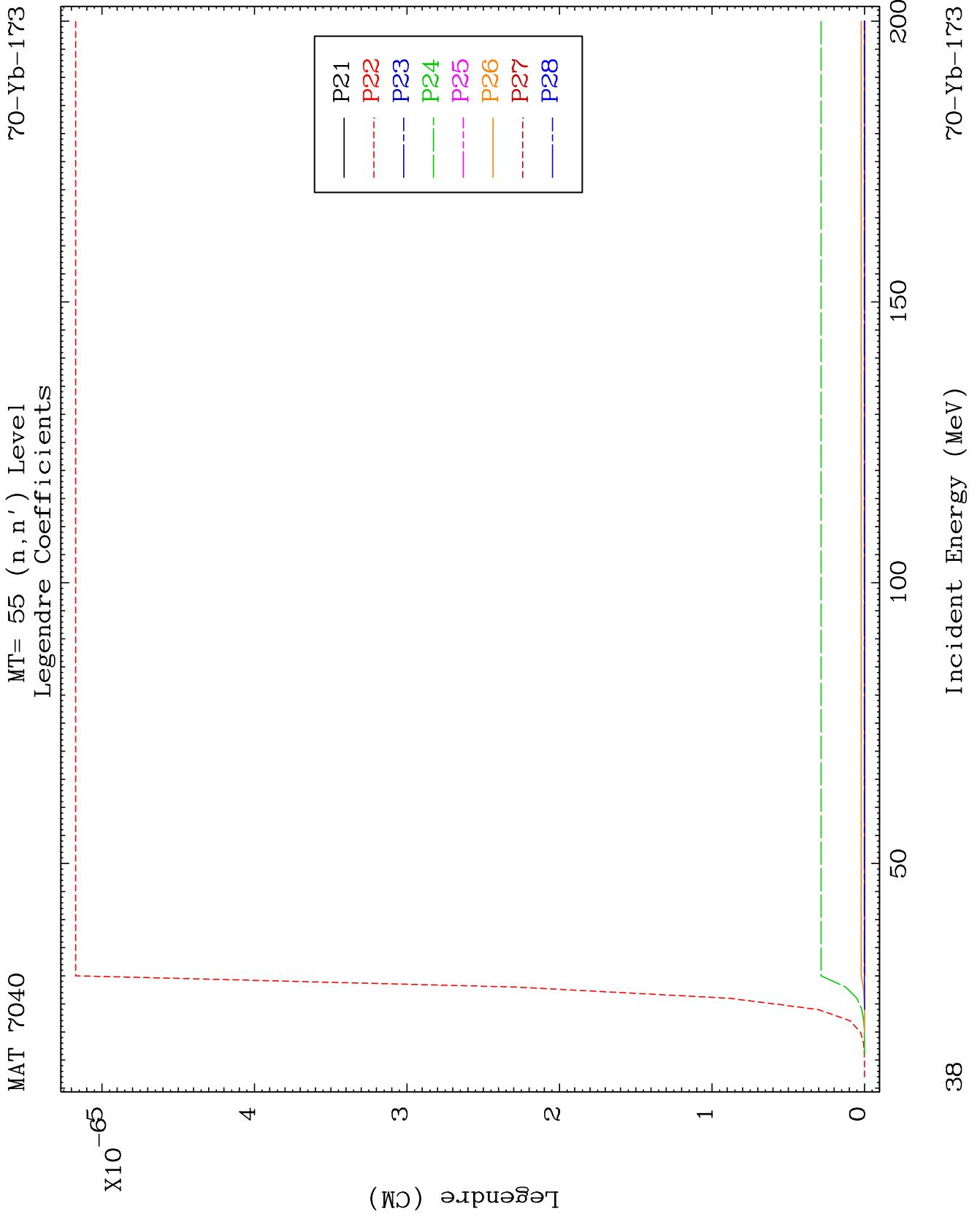


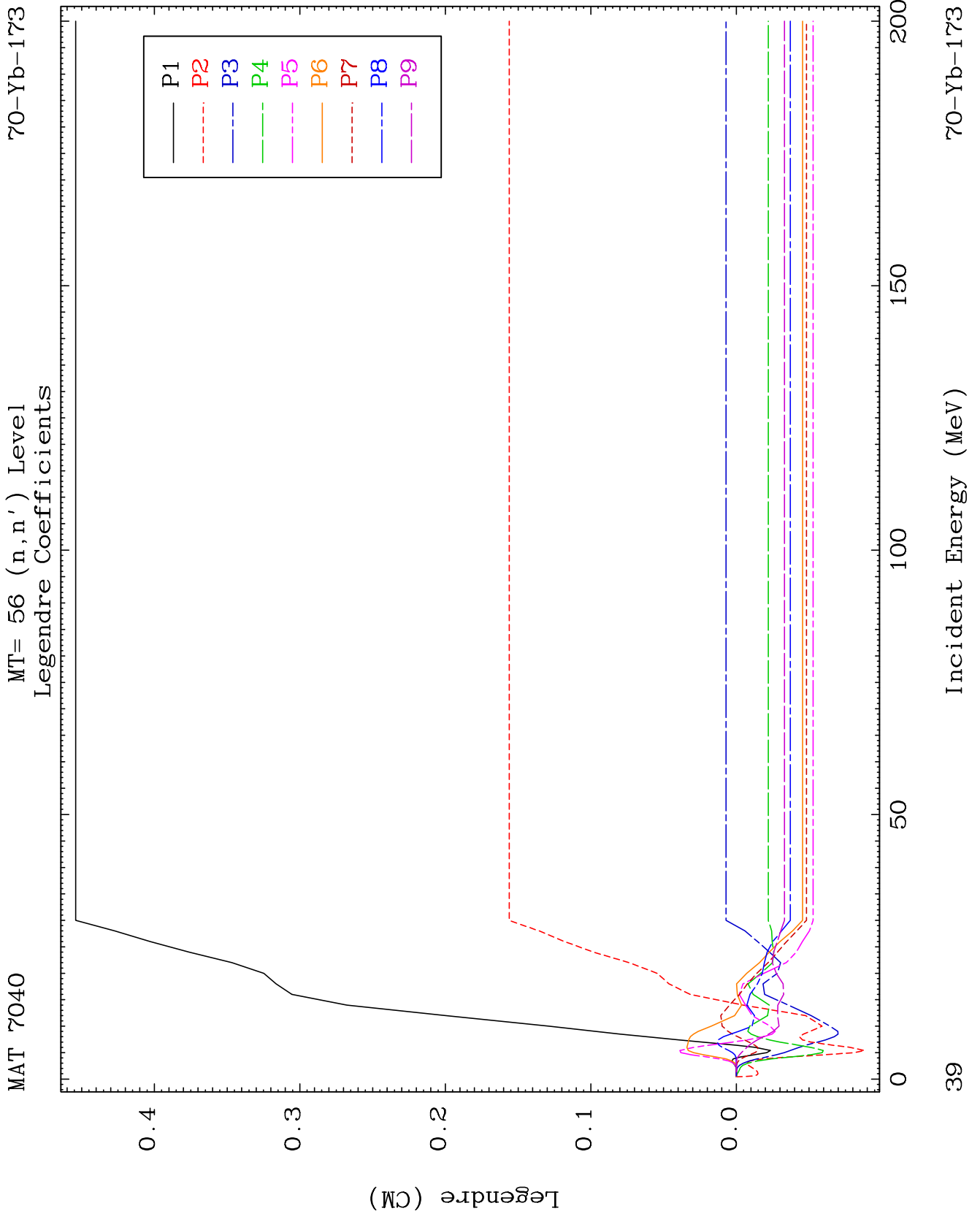










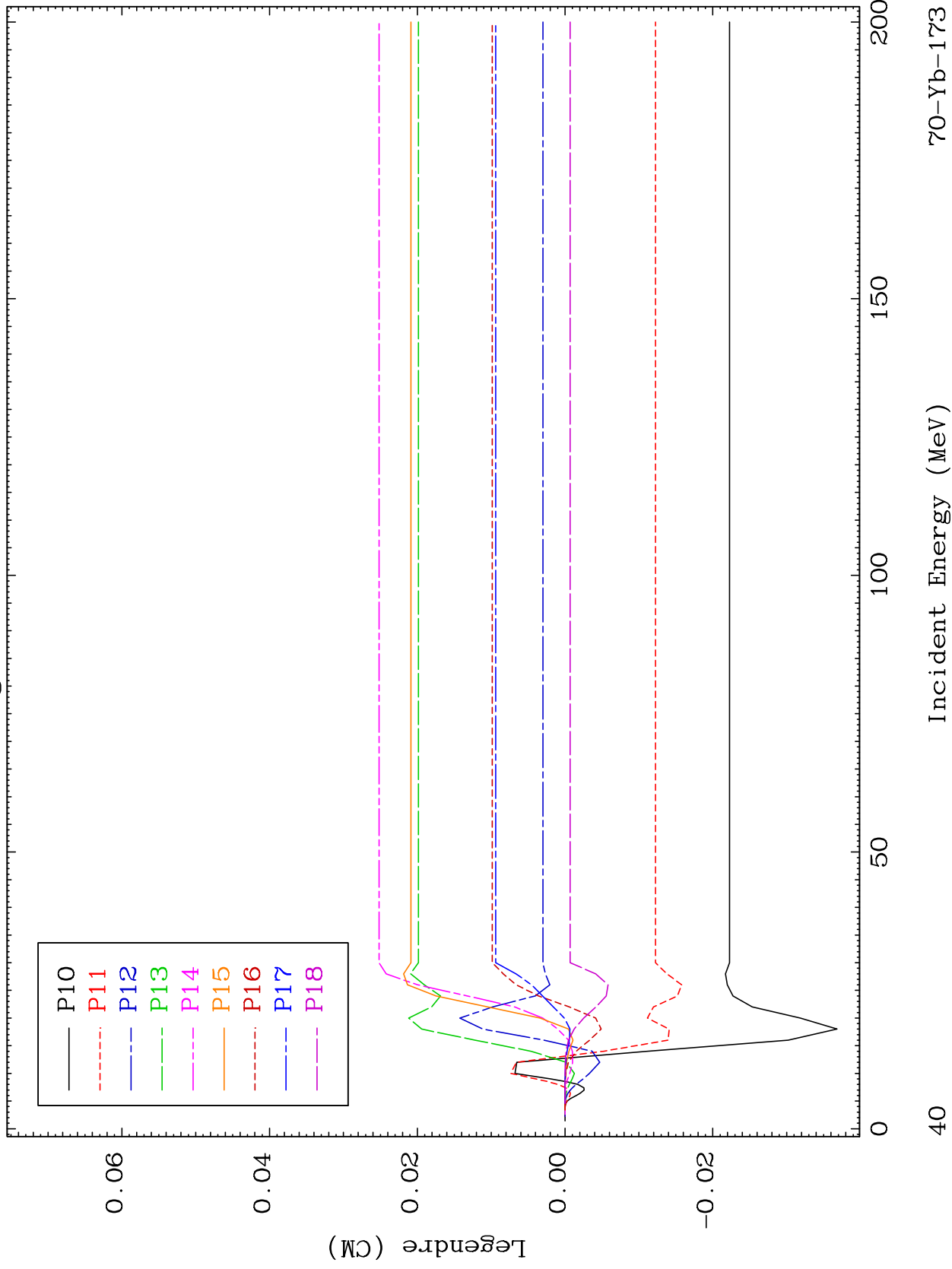




MAT 7040

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

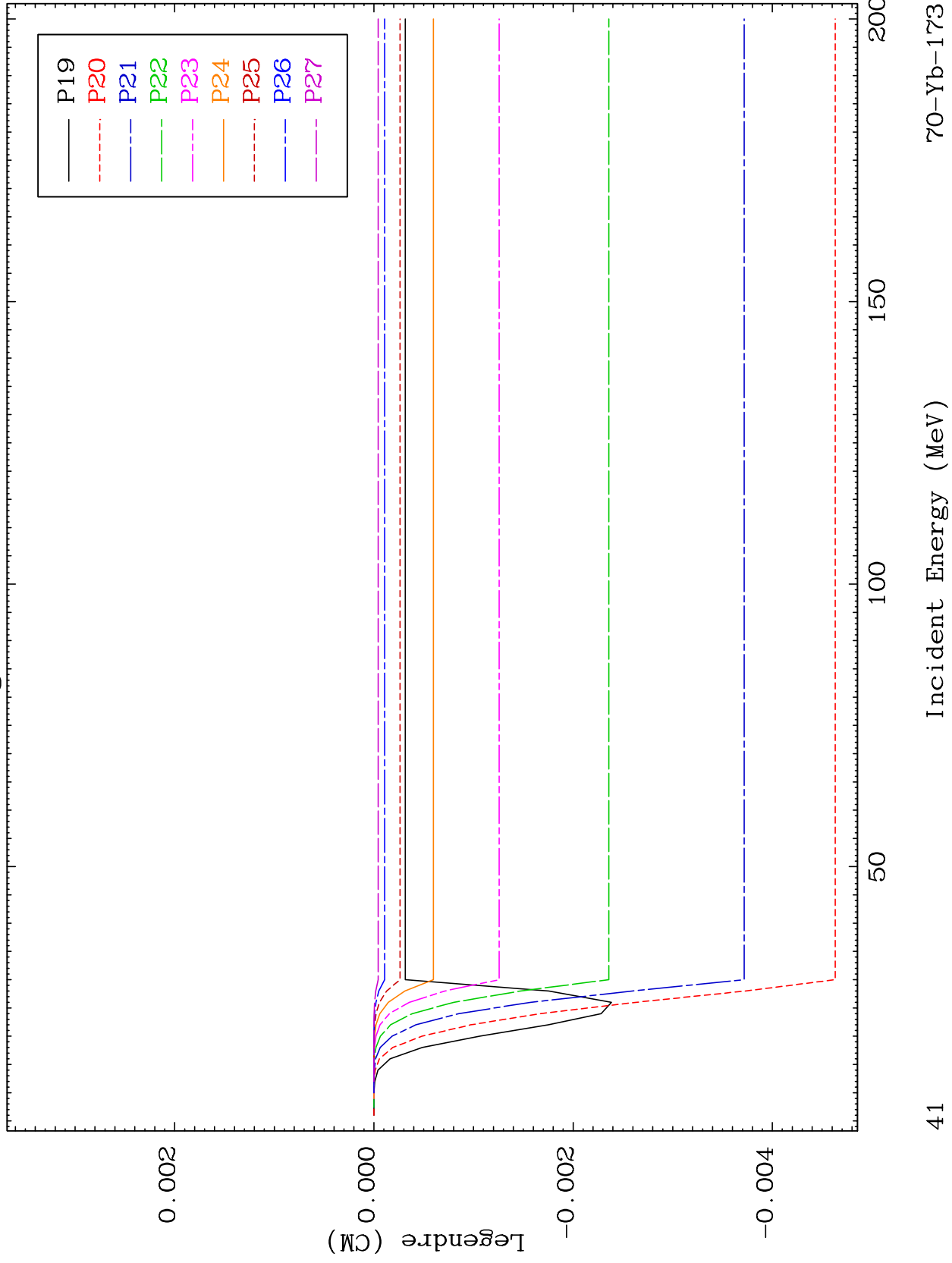
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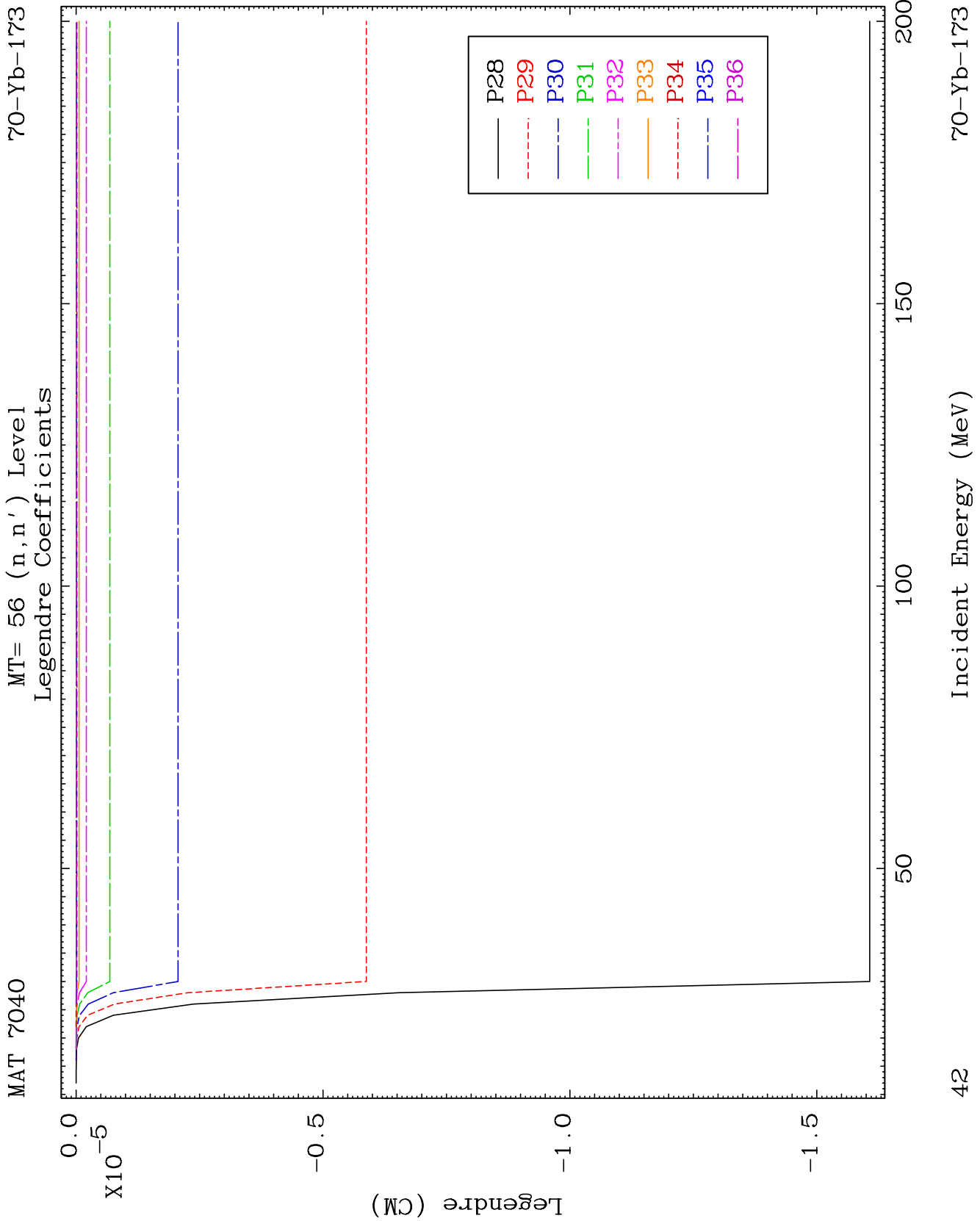


MAT 7040

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

70-Yb-173



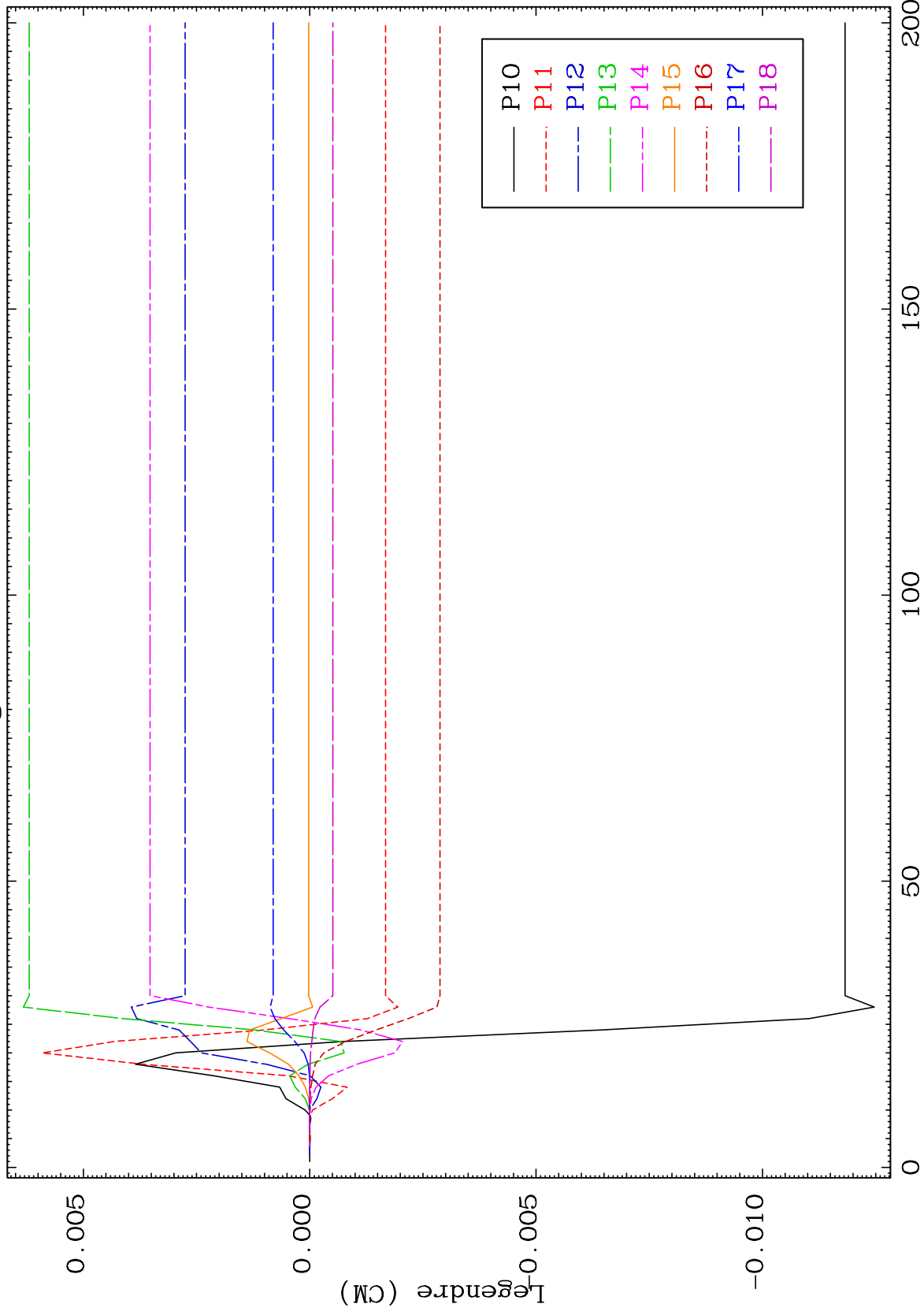




MAT 7040

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

70-Yb-173



44

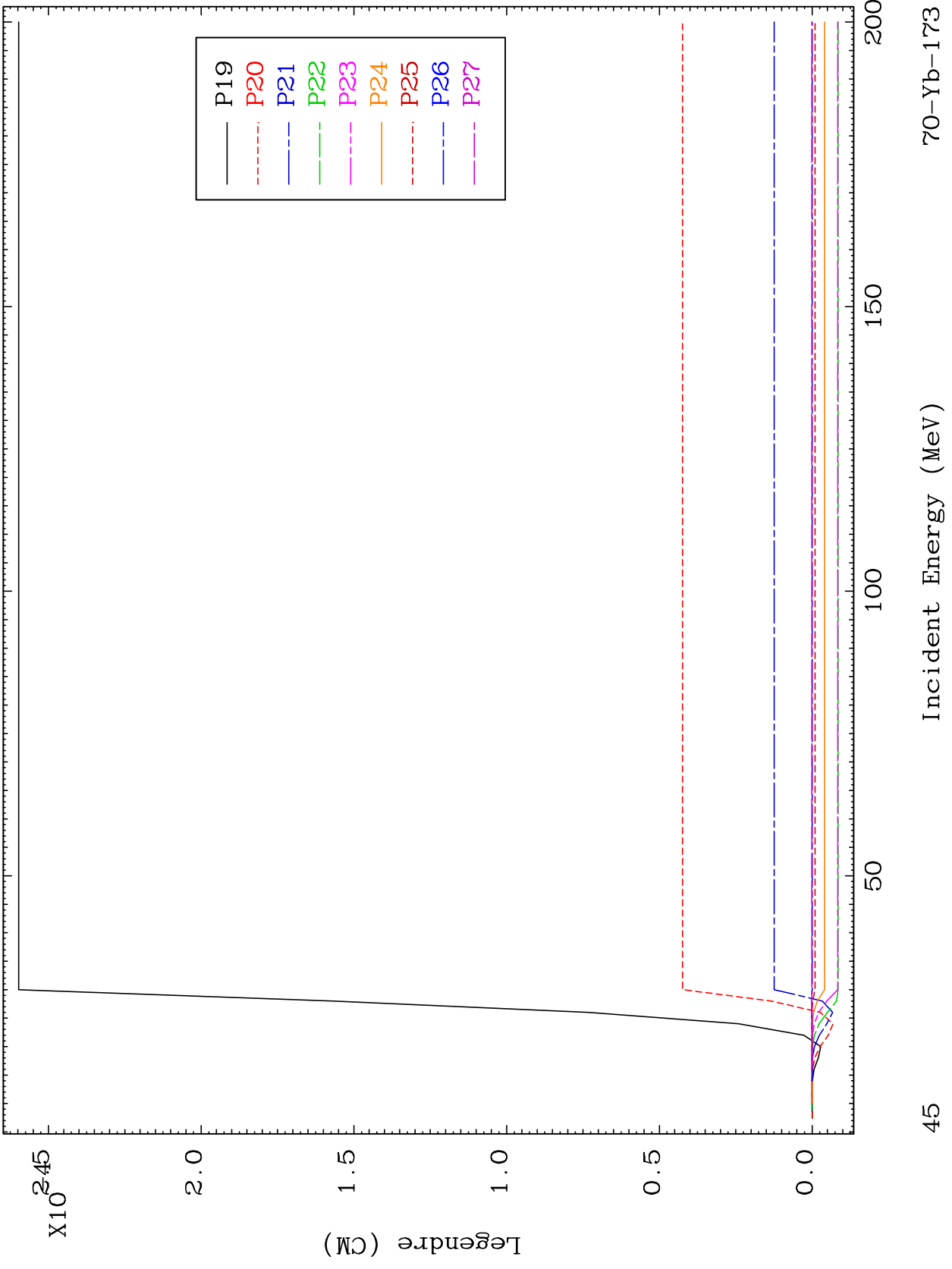
Incident Energy (MeV)

70-Yb-173

MAT 7040

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

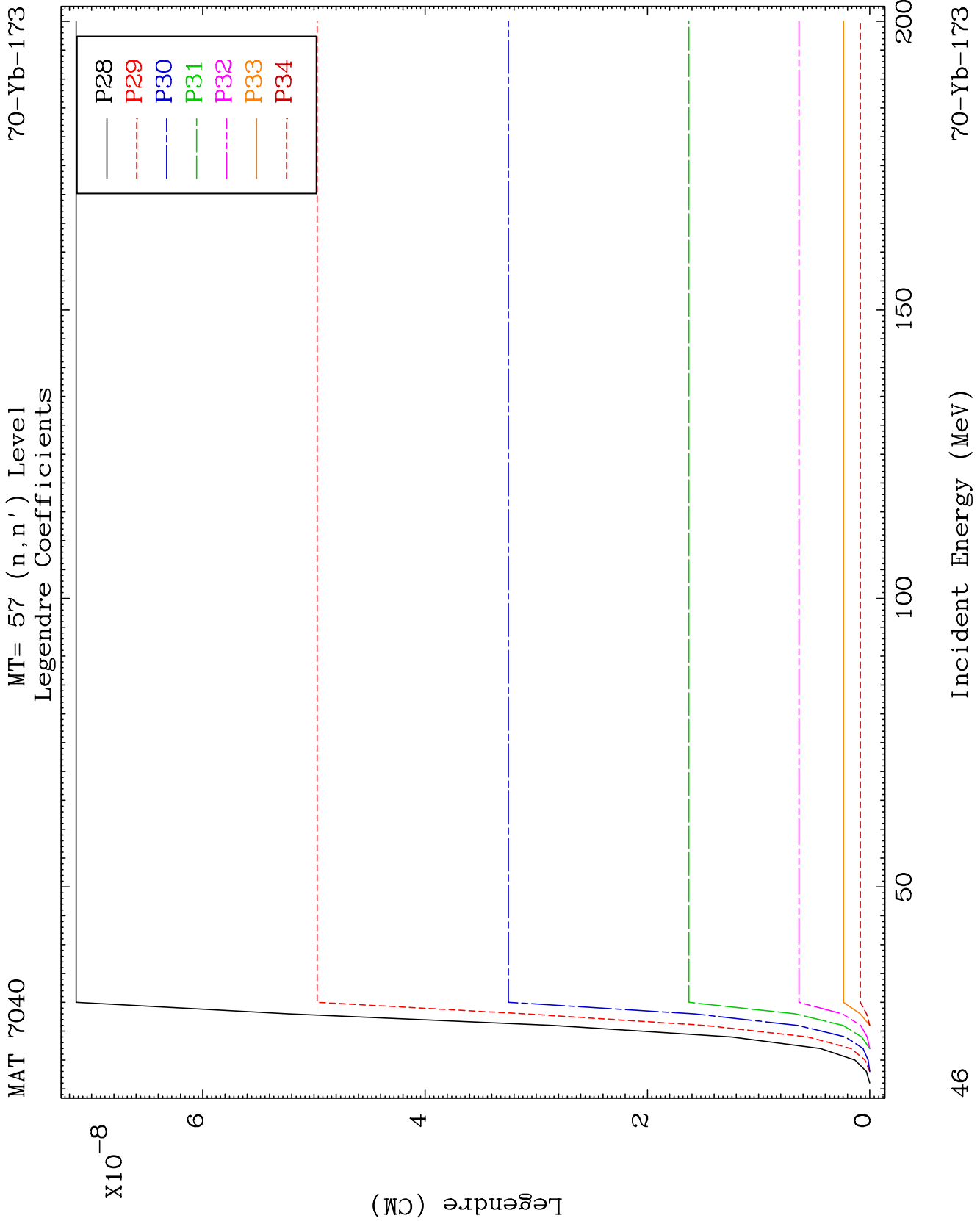
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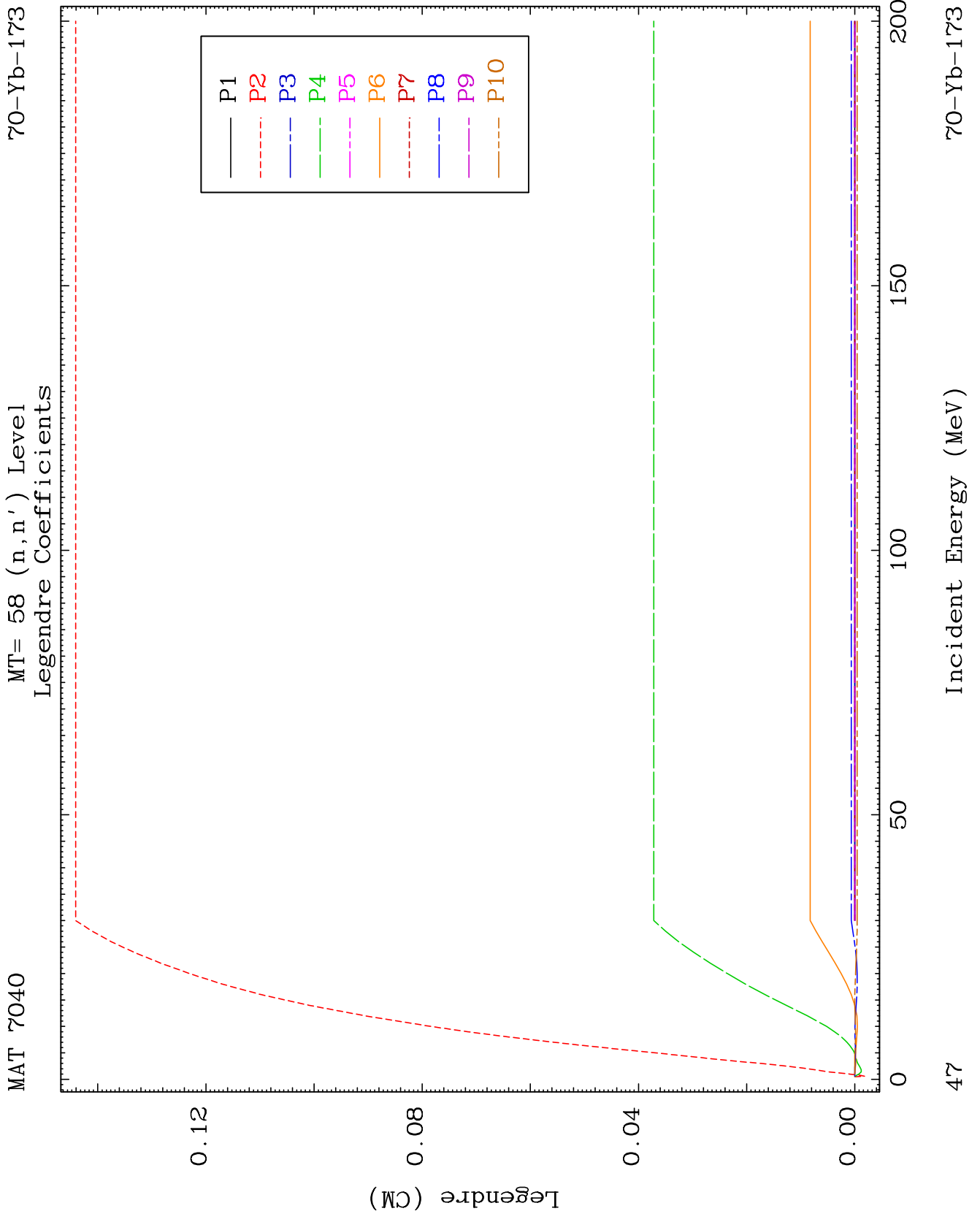


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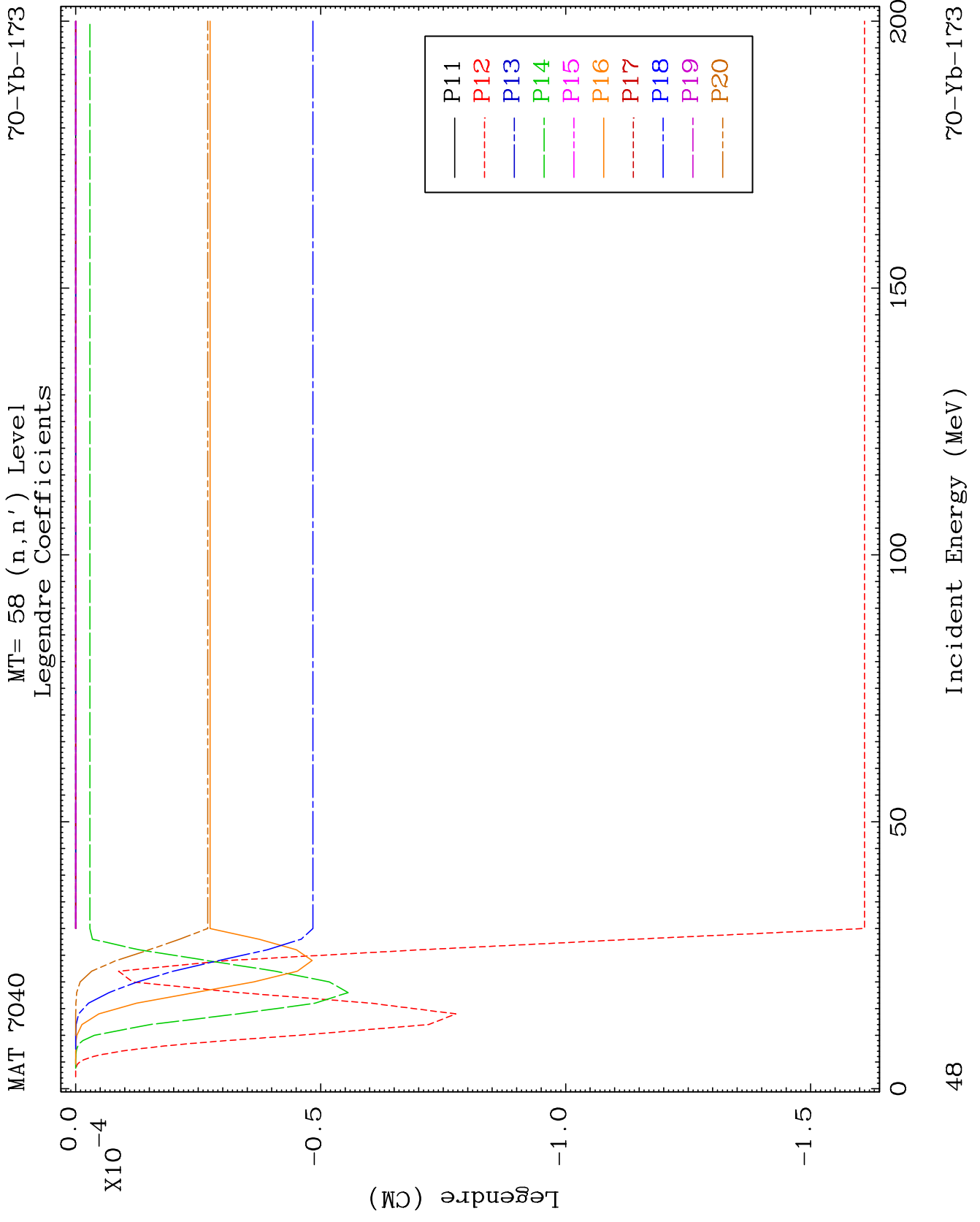
Incident Energy (MeV)

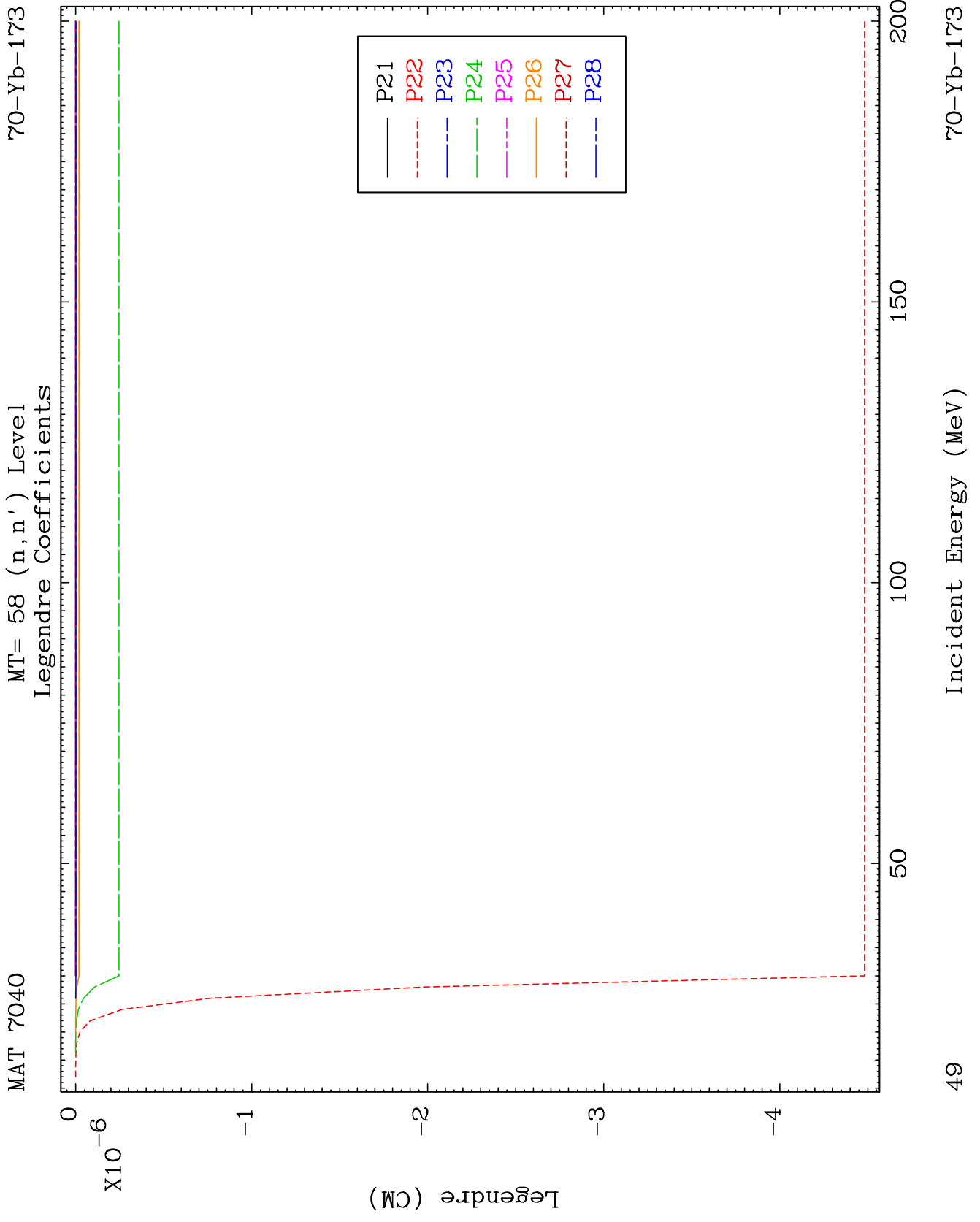
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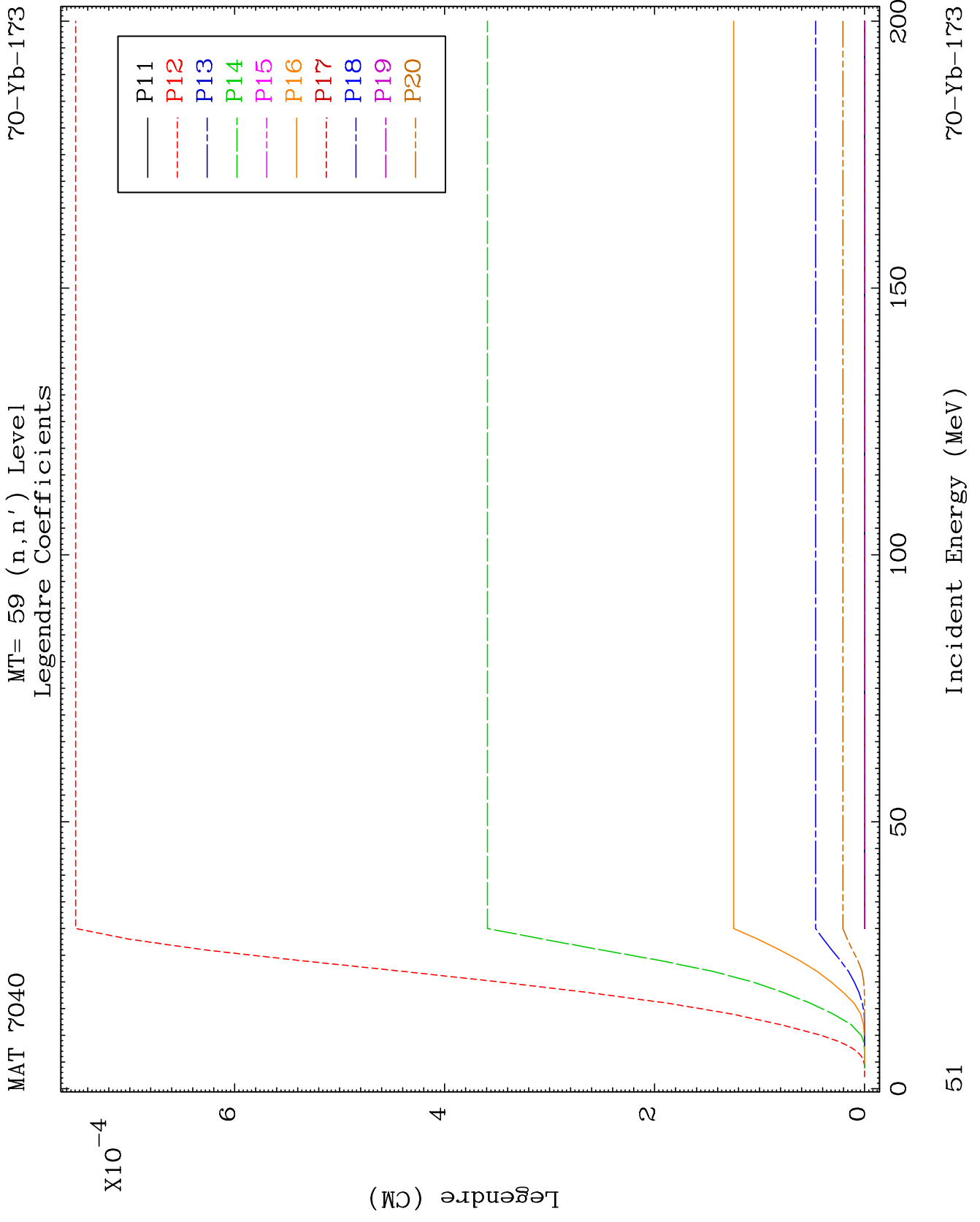


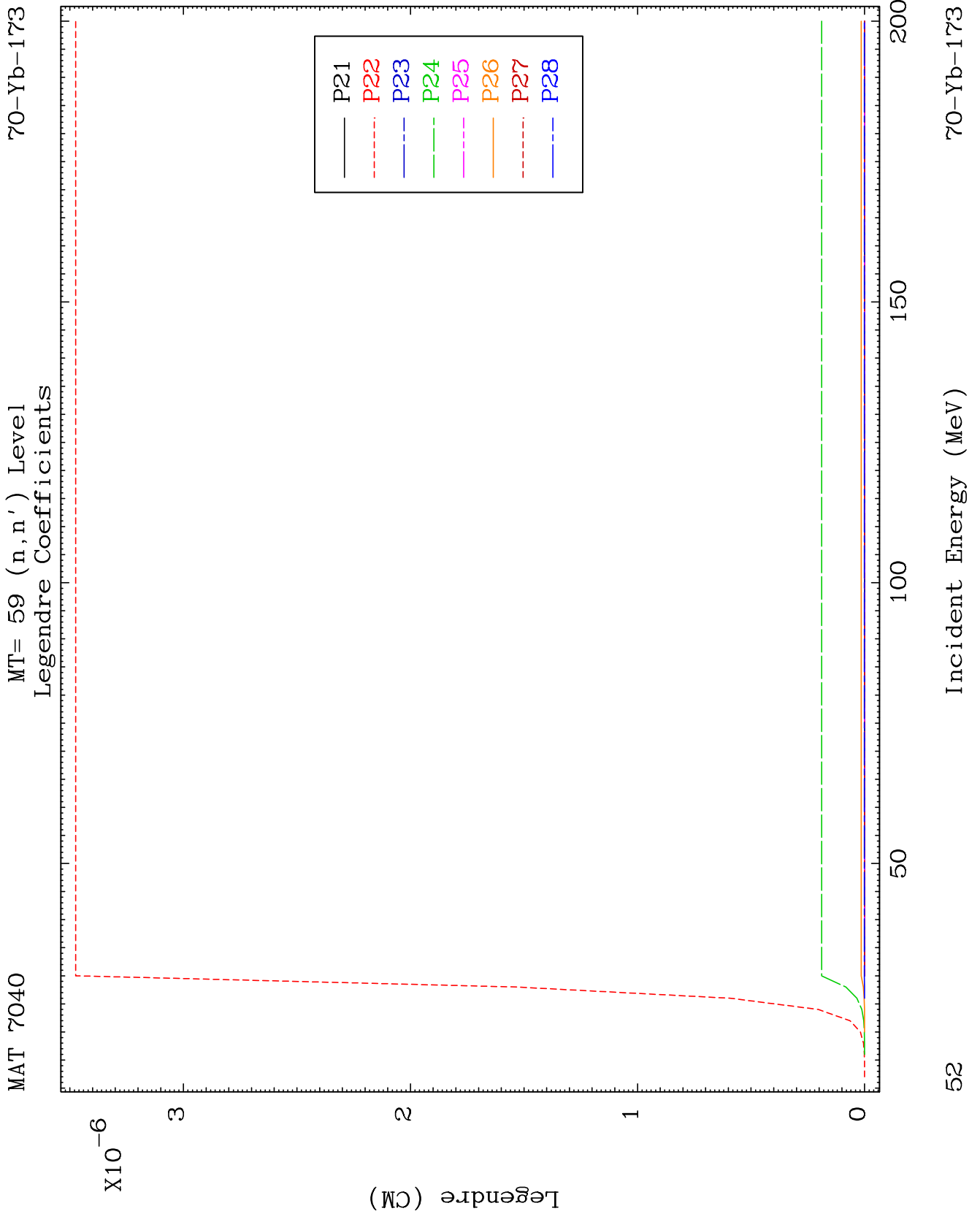


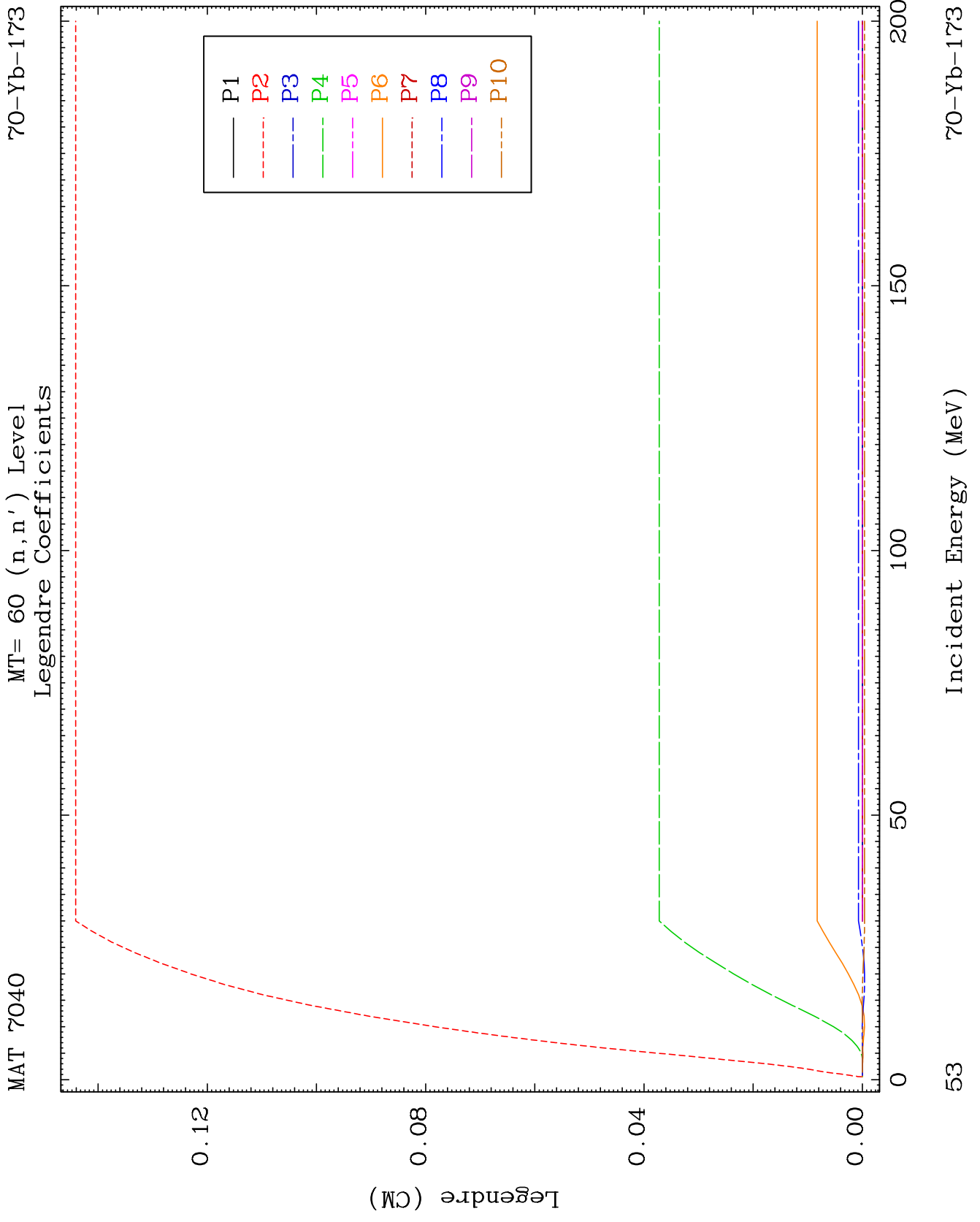








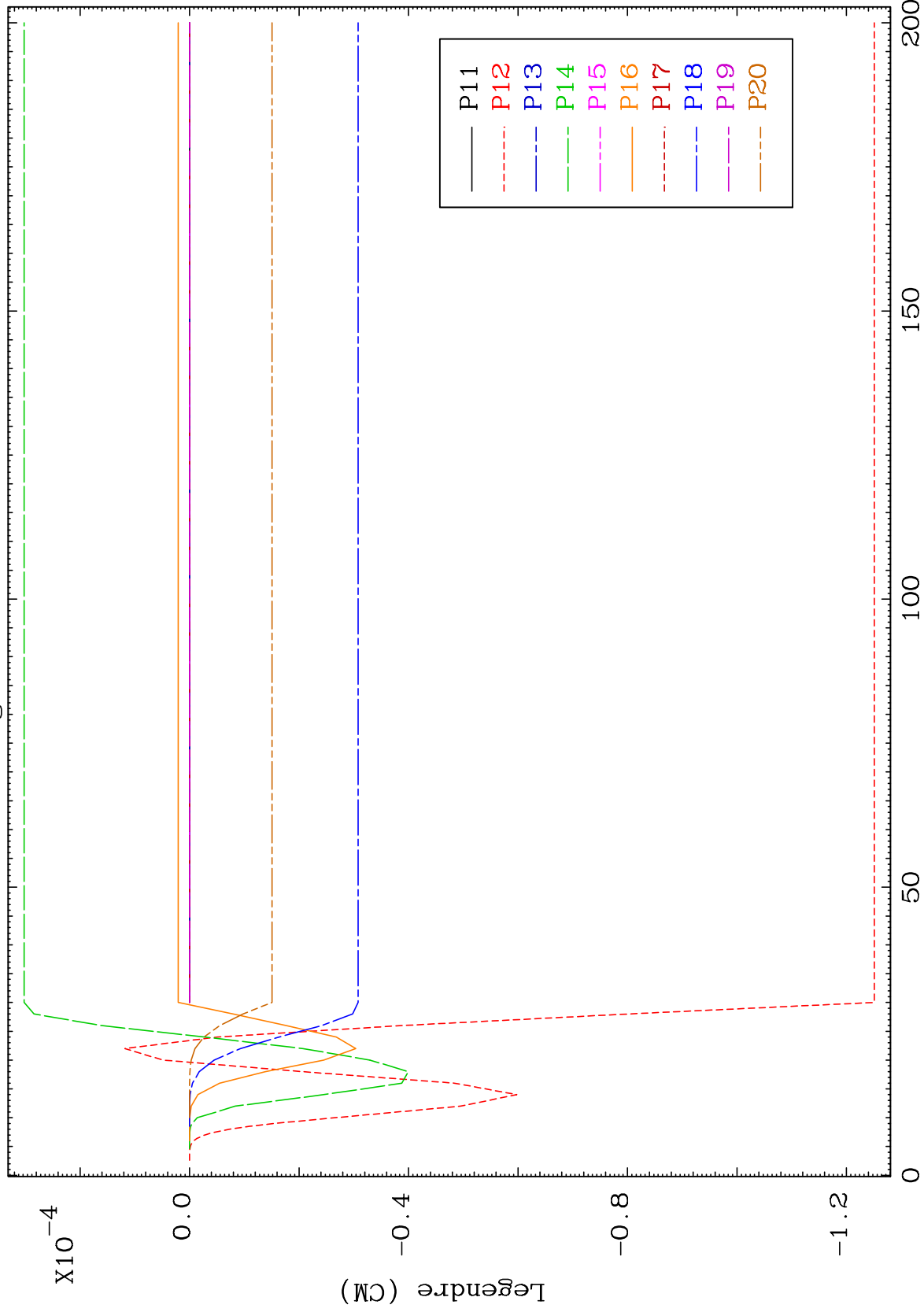




MAT 7040

70-Yb-173

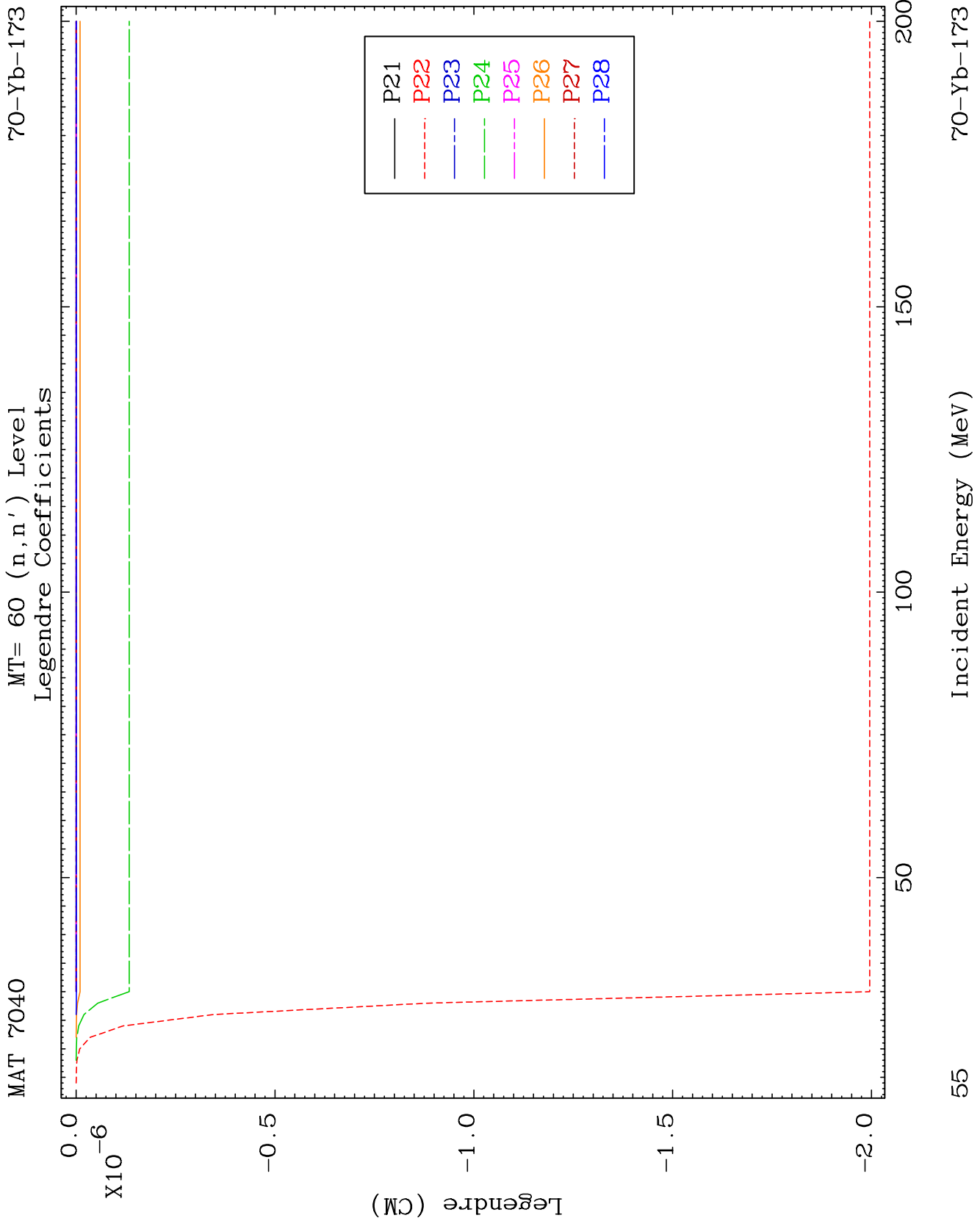
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Legendre Coefficients



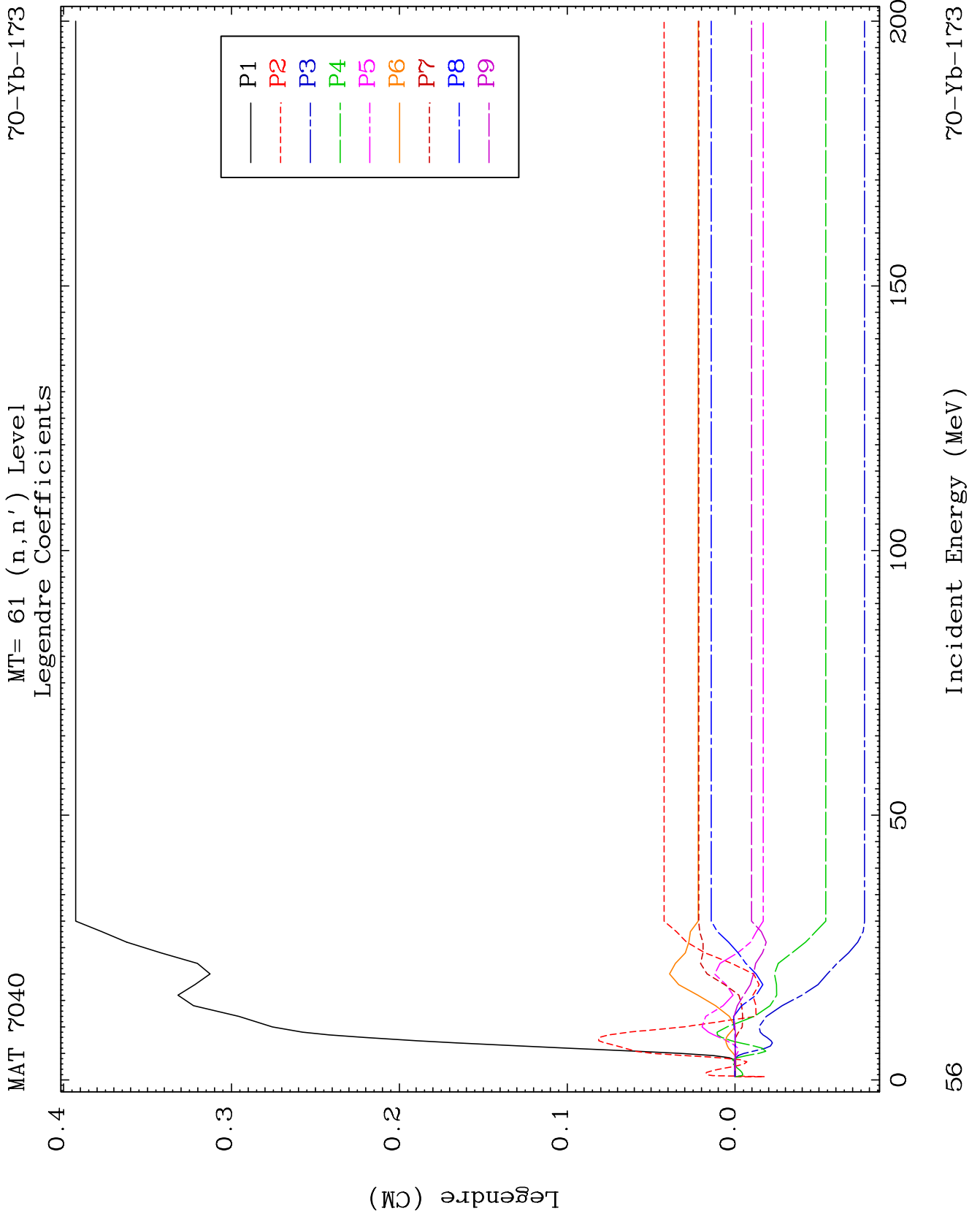
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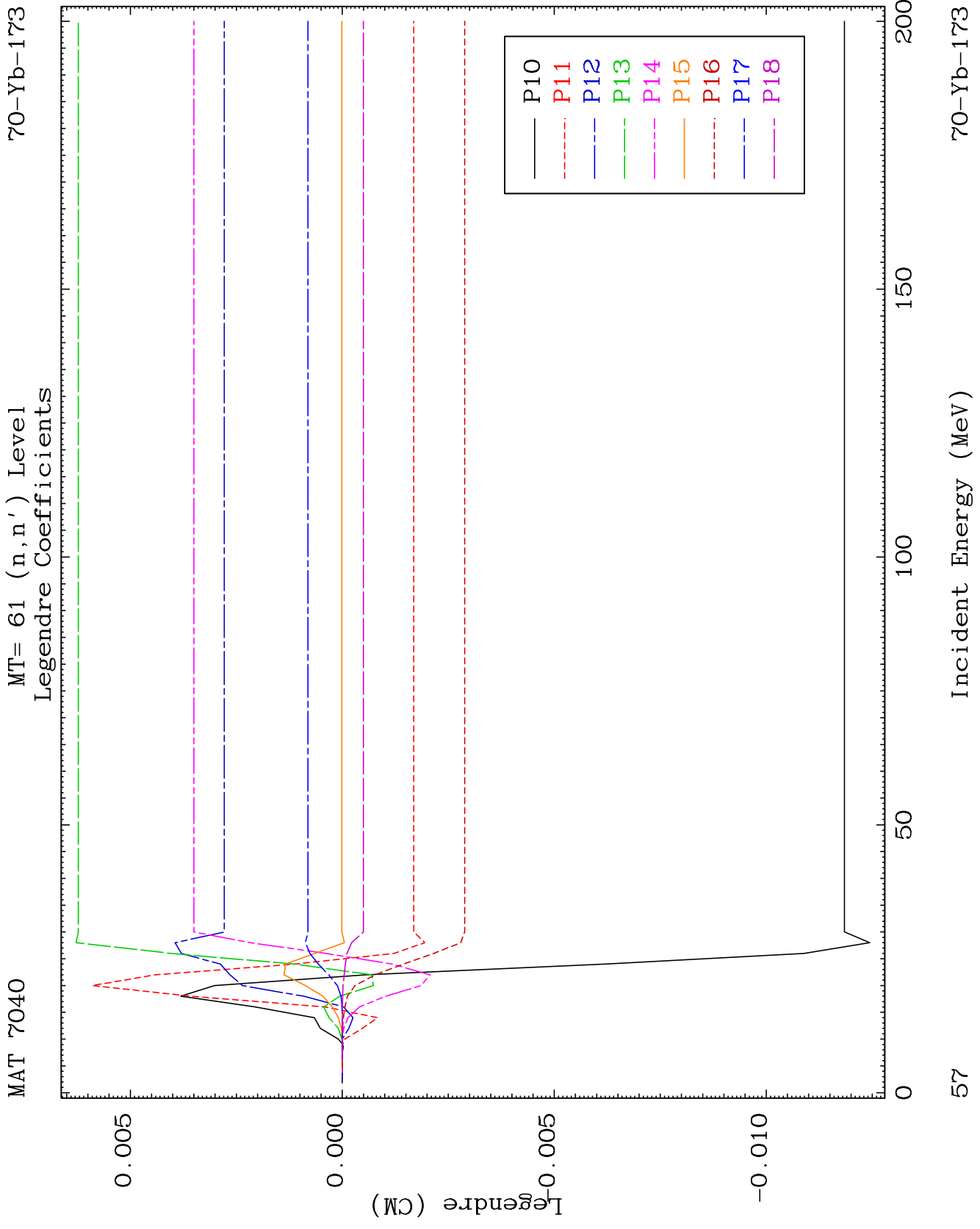
Incident Energy (MeV)

70-Yb-173





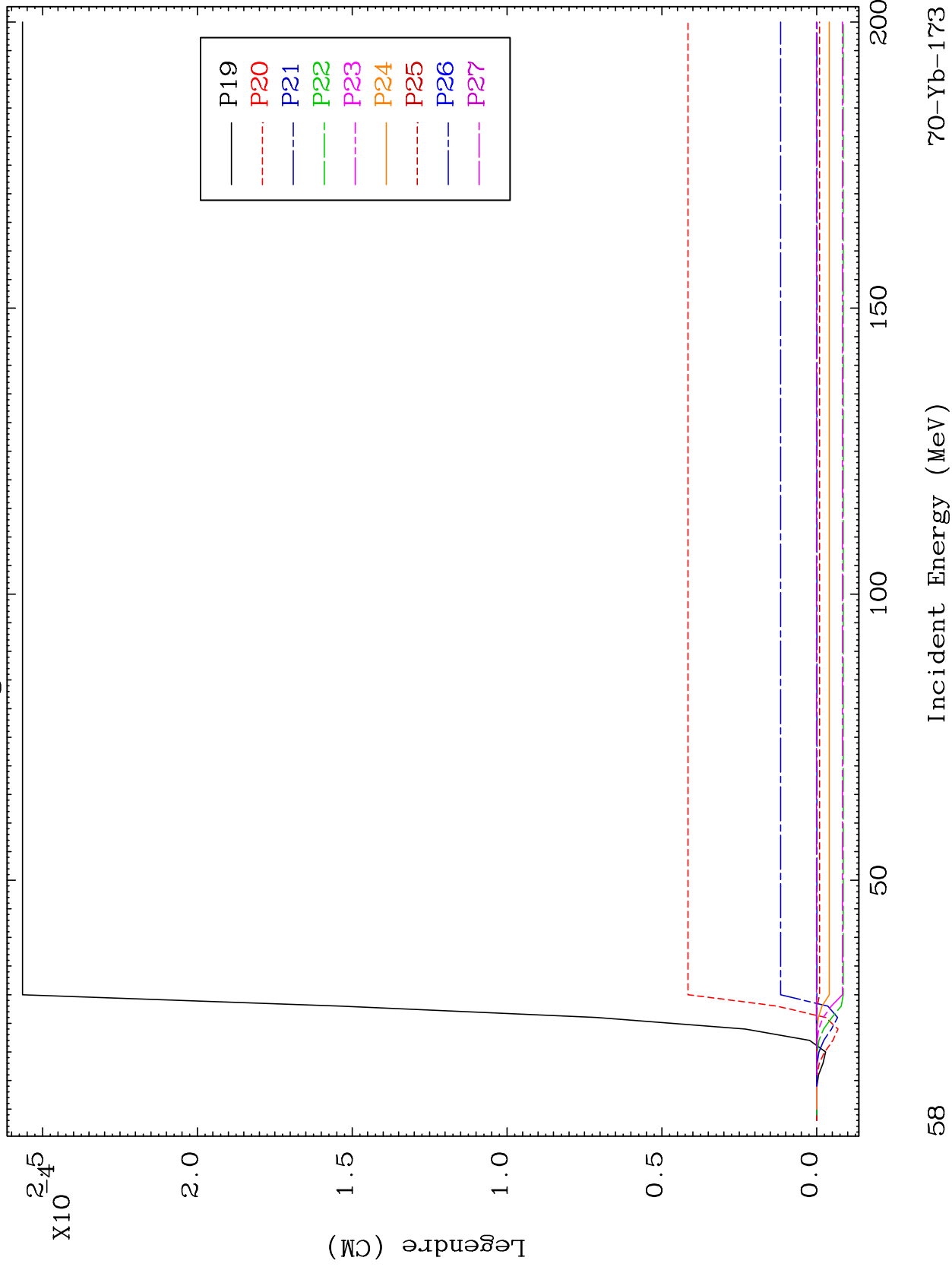




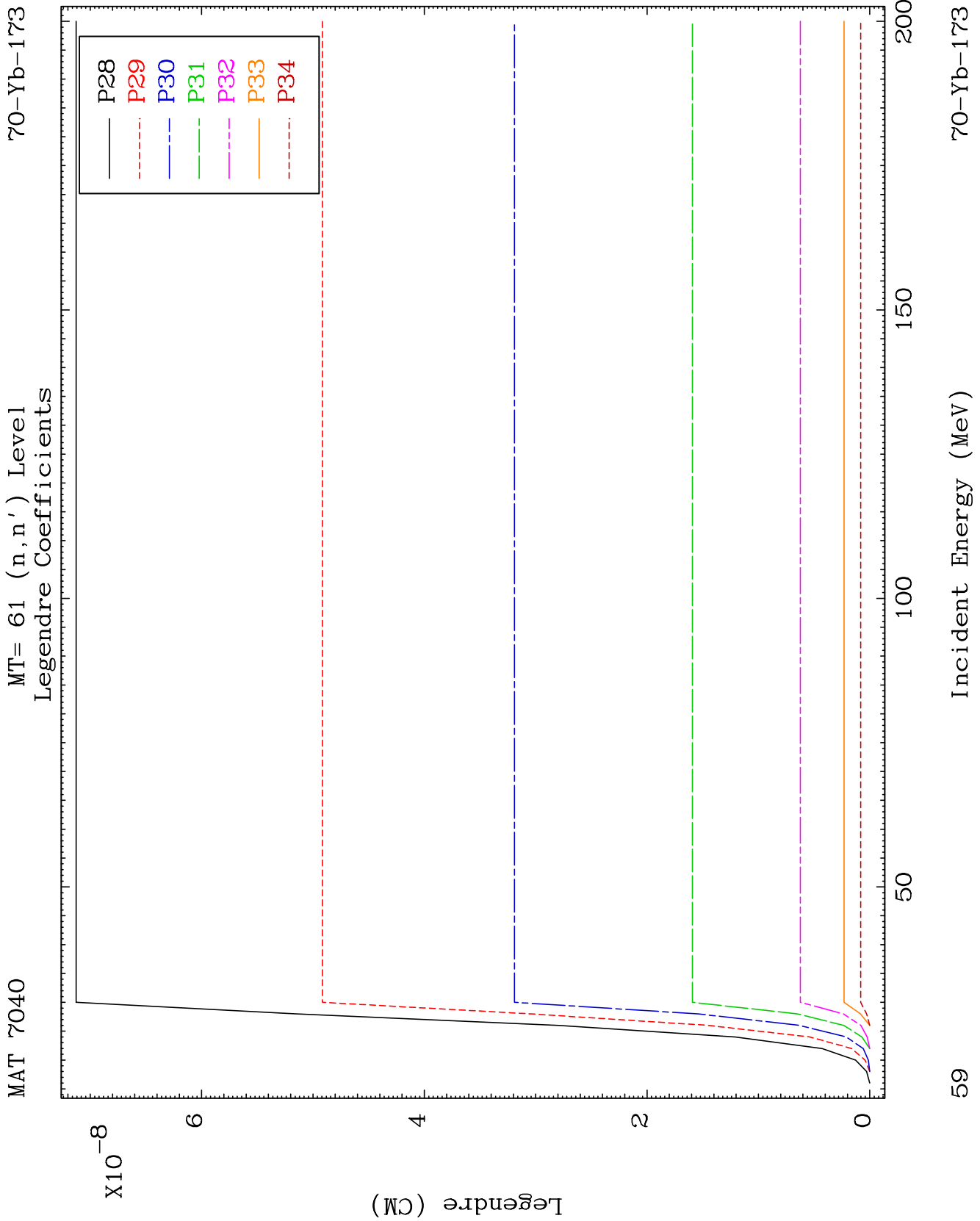
MAT 7040

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

70-Yb-173



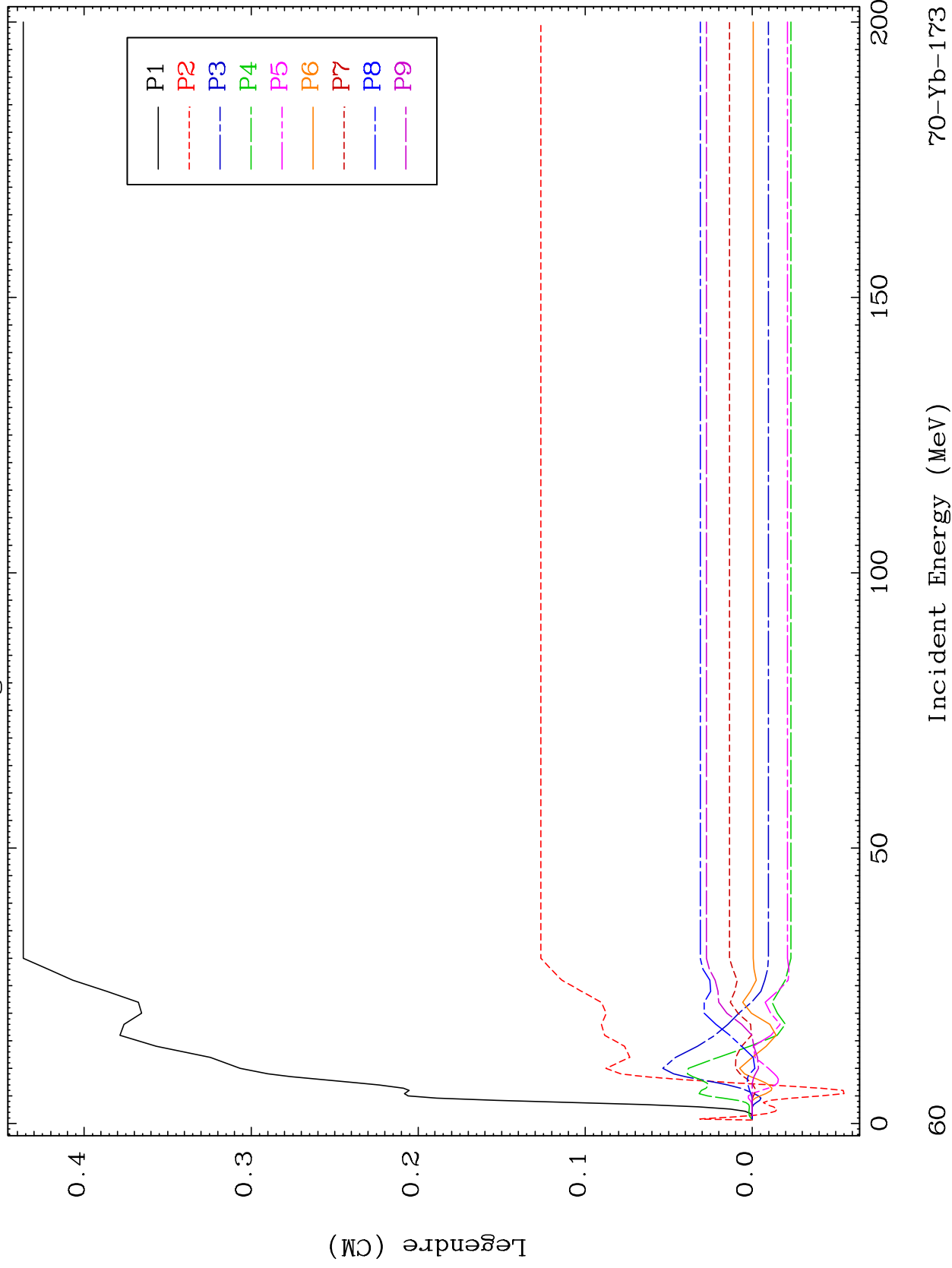
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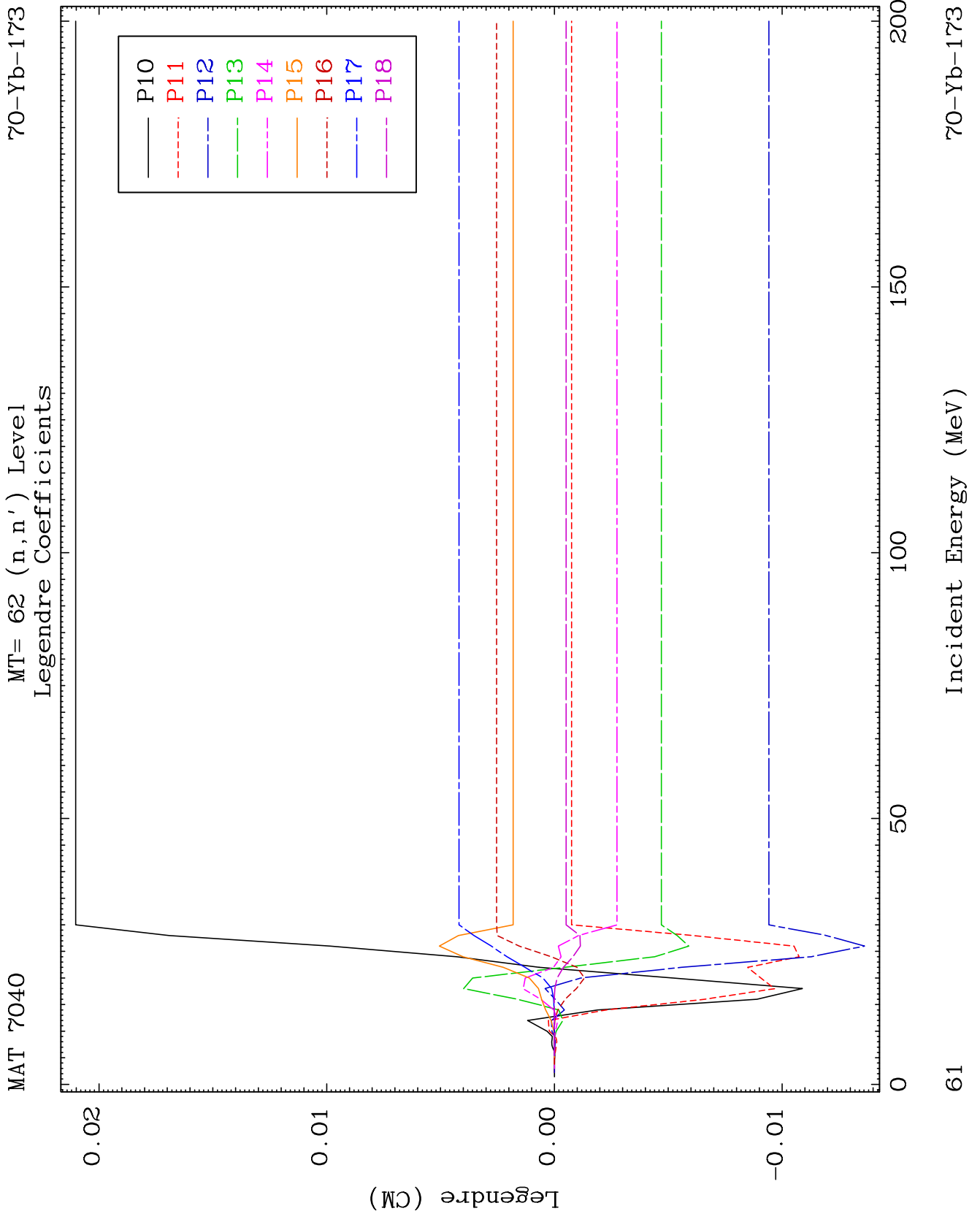


MAT 7040

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

70-Yb-173

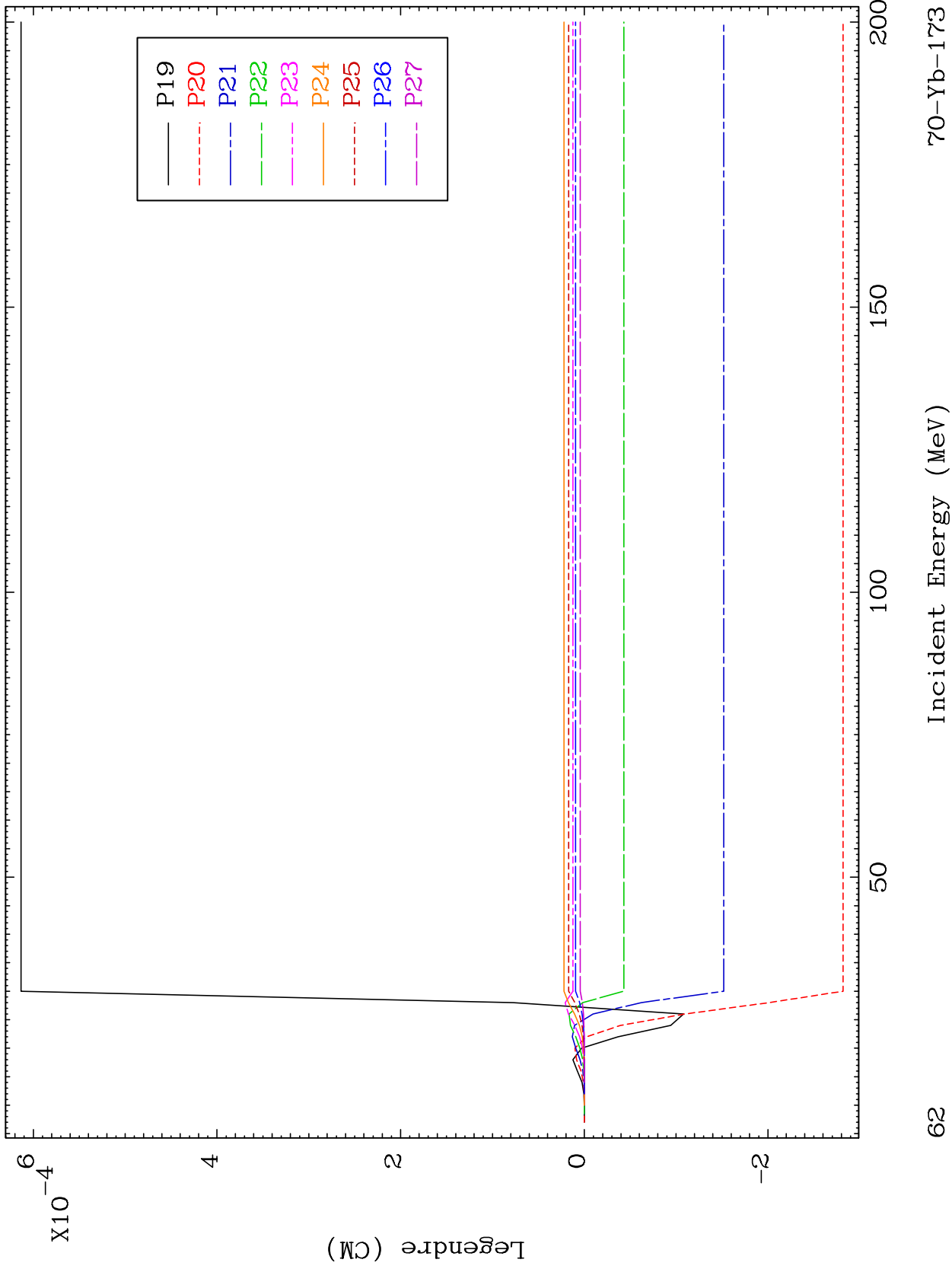


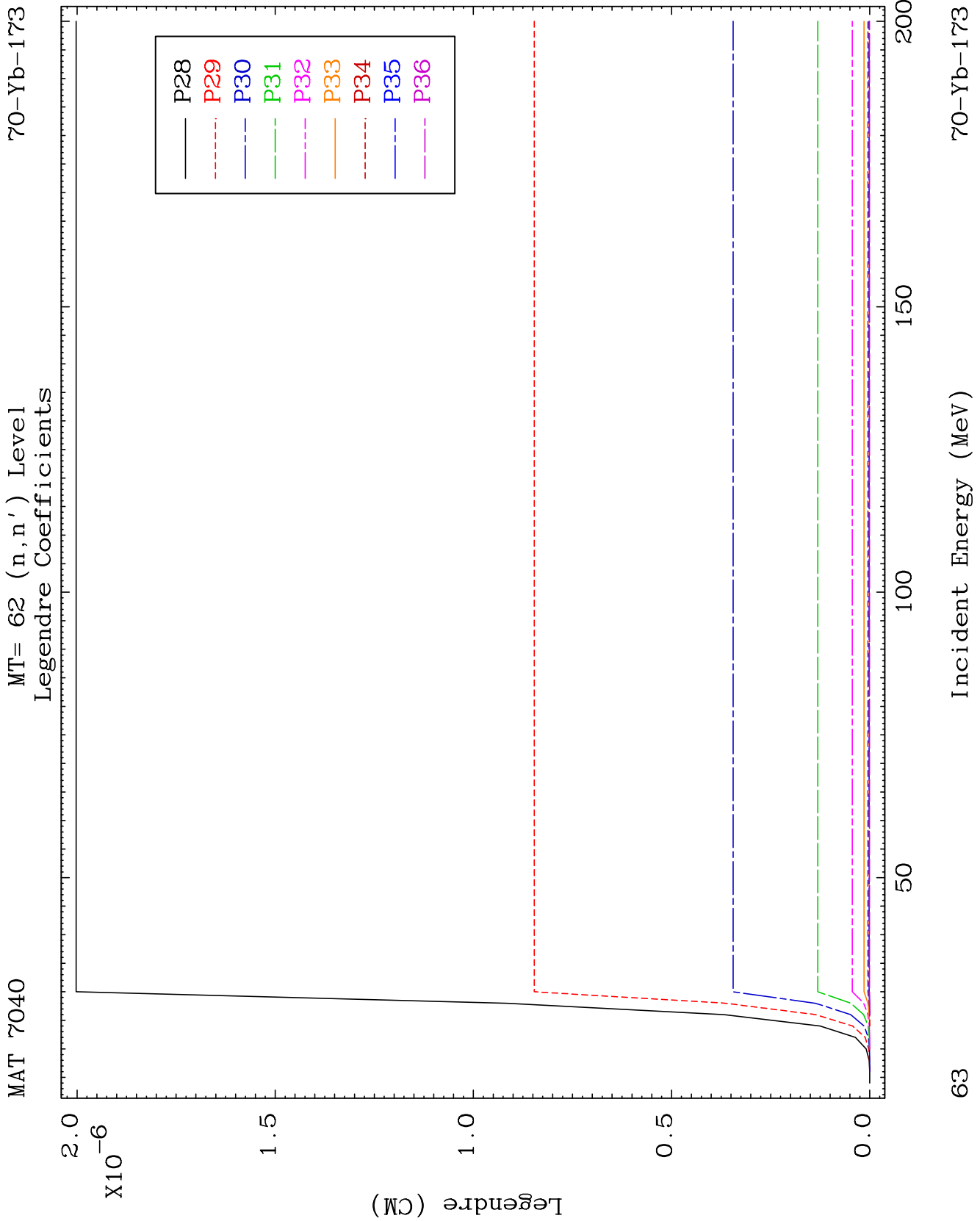


MAT 7040

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

70-Yb-173



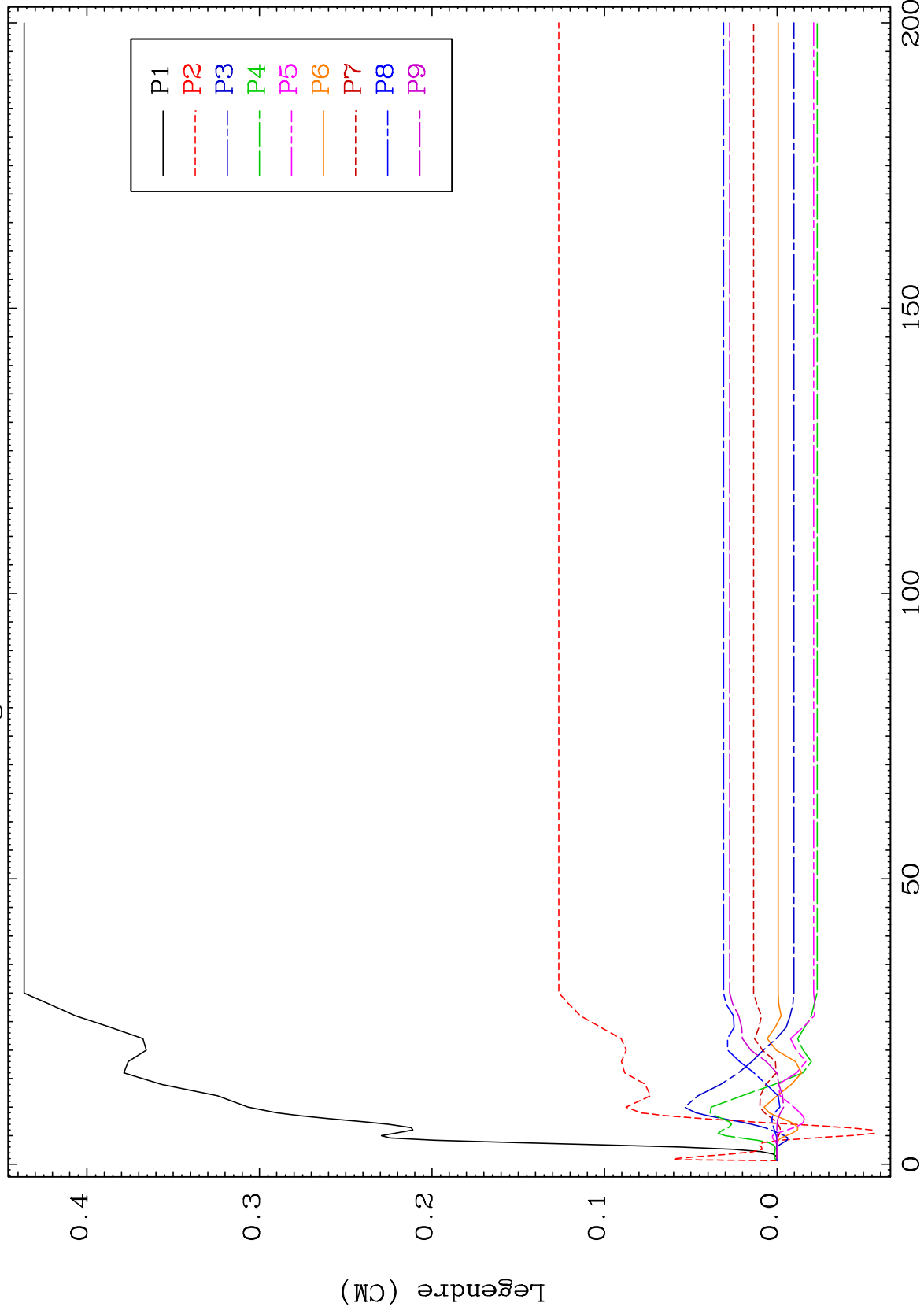




MAT 7040

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

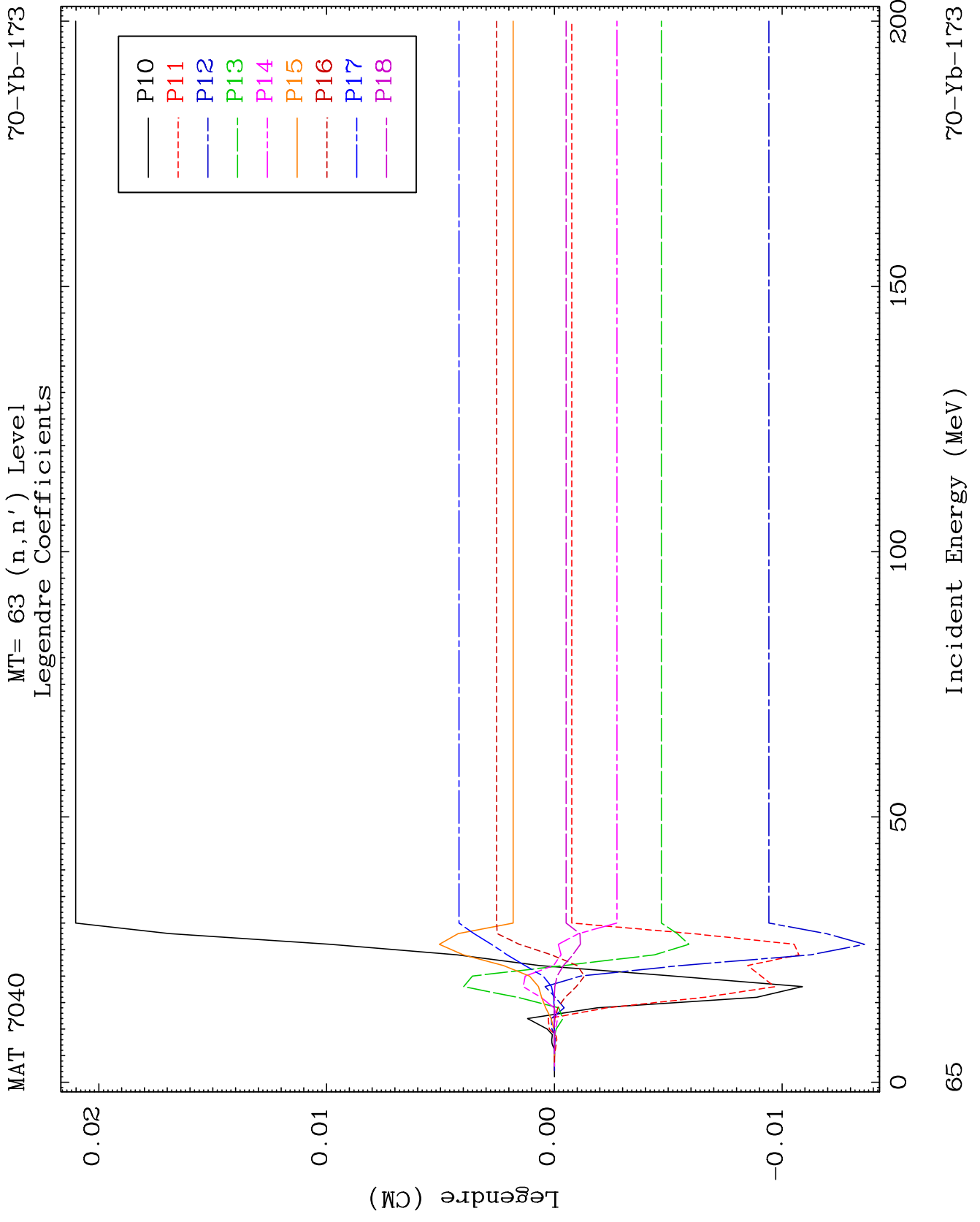
70-Yb-173



64

Incident Energy (MeV)

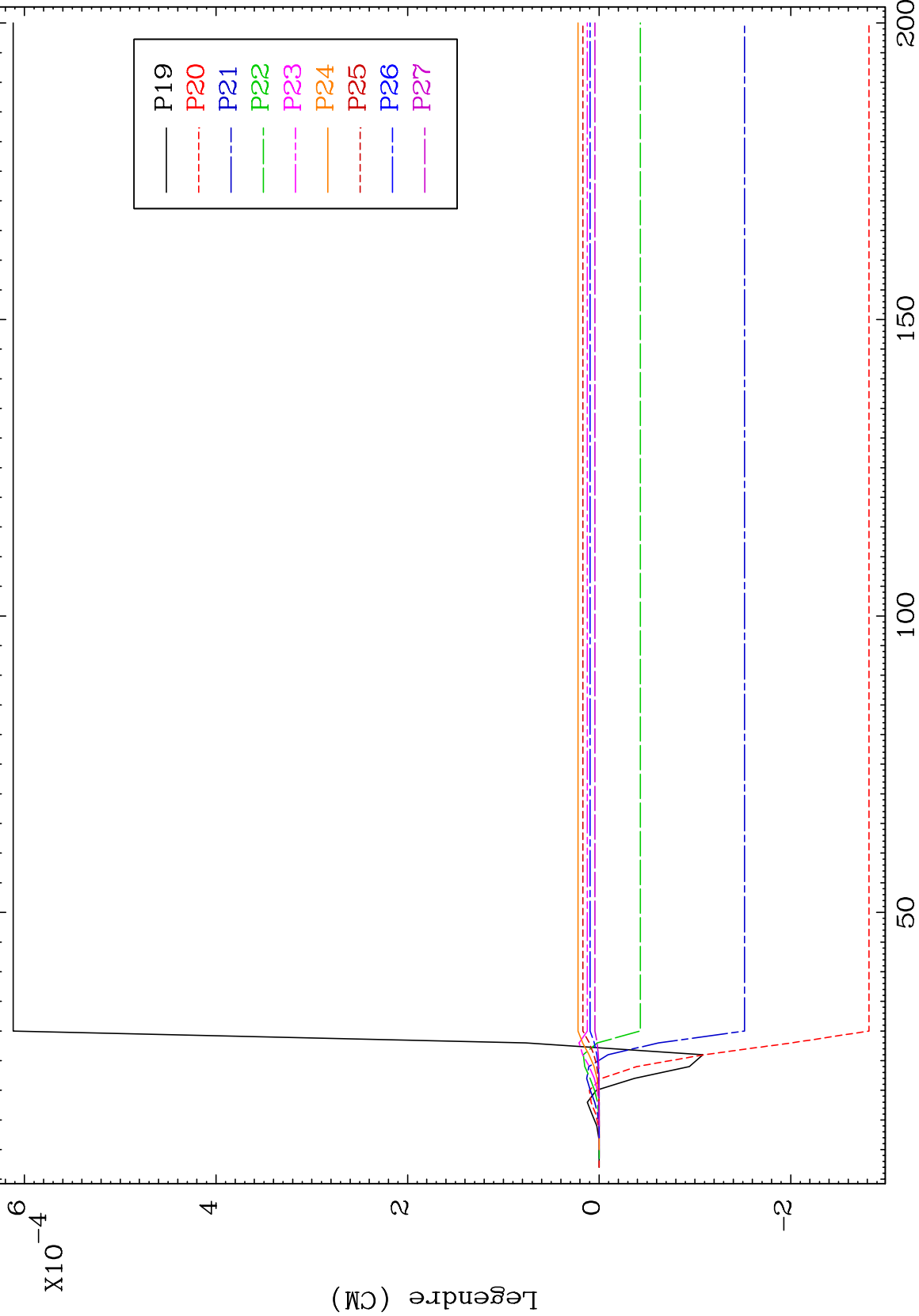
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MAT 7040

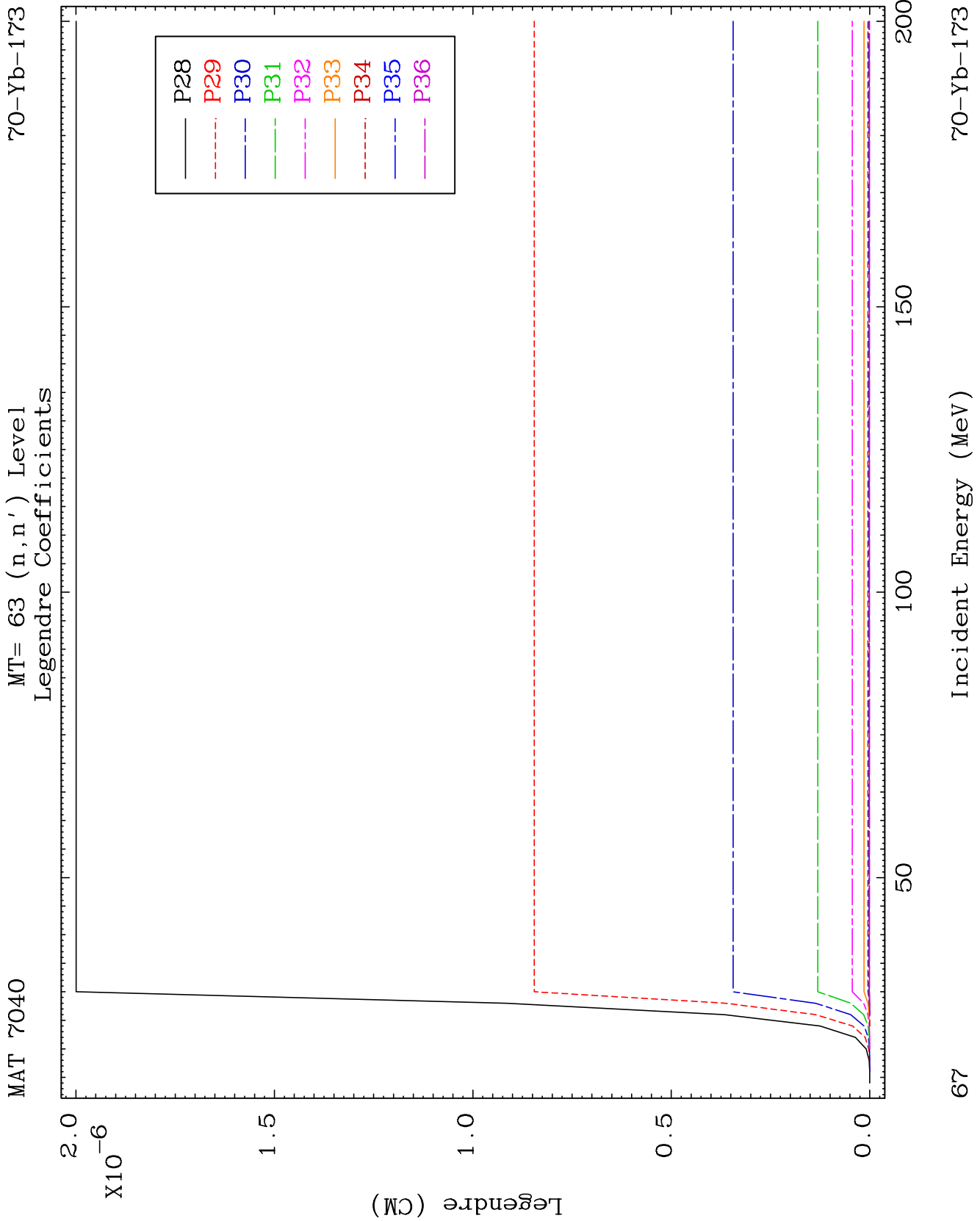
MT= 63 (n,n') Level  
Legendre Coefficients

70-Yb-173



66

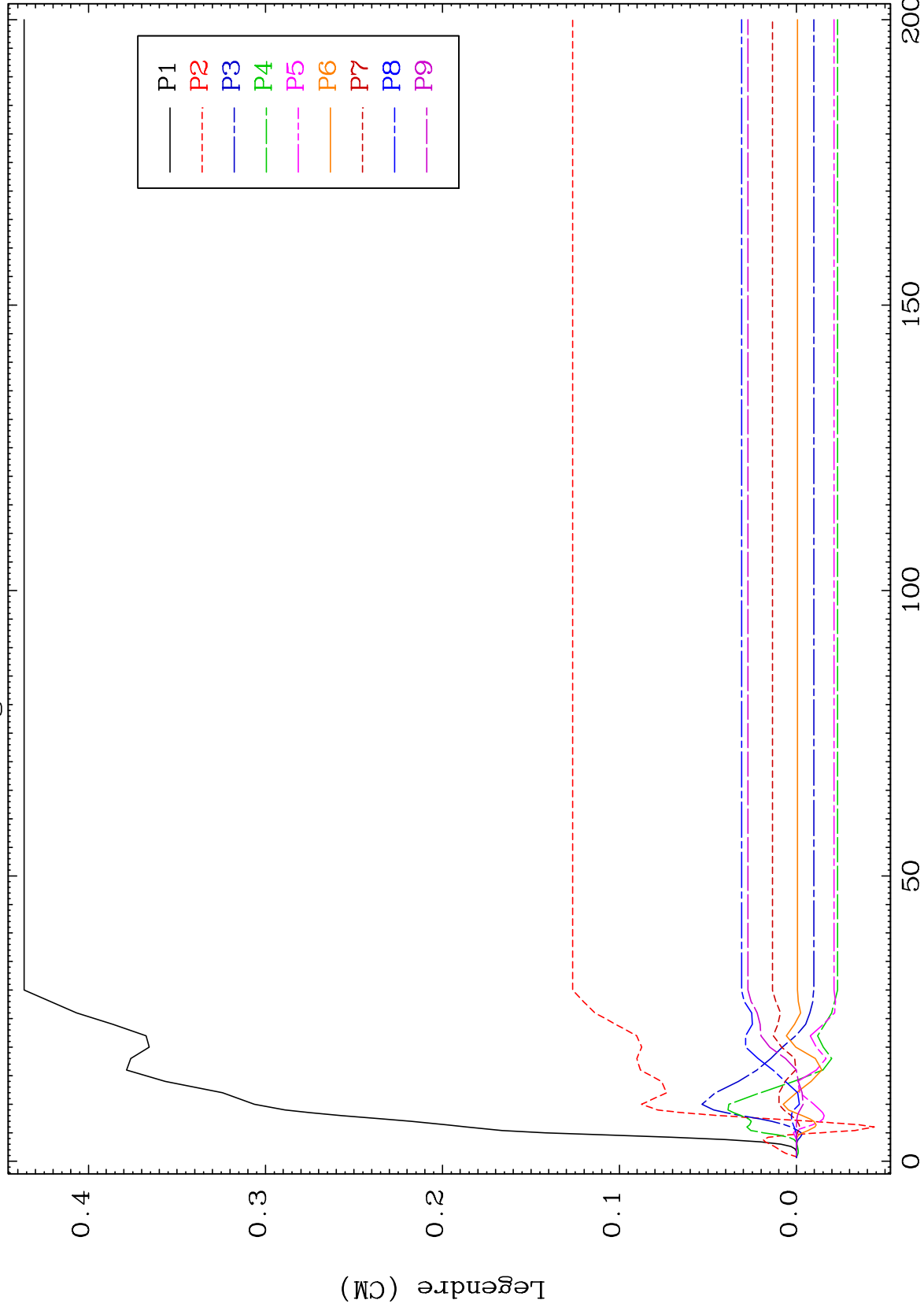
70-Yb-173



MAT 7040

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

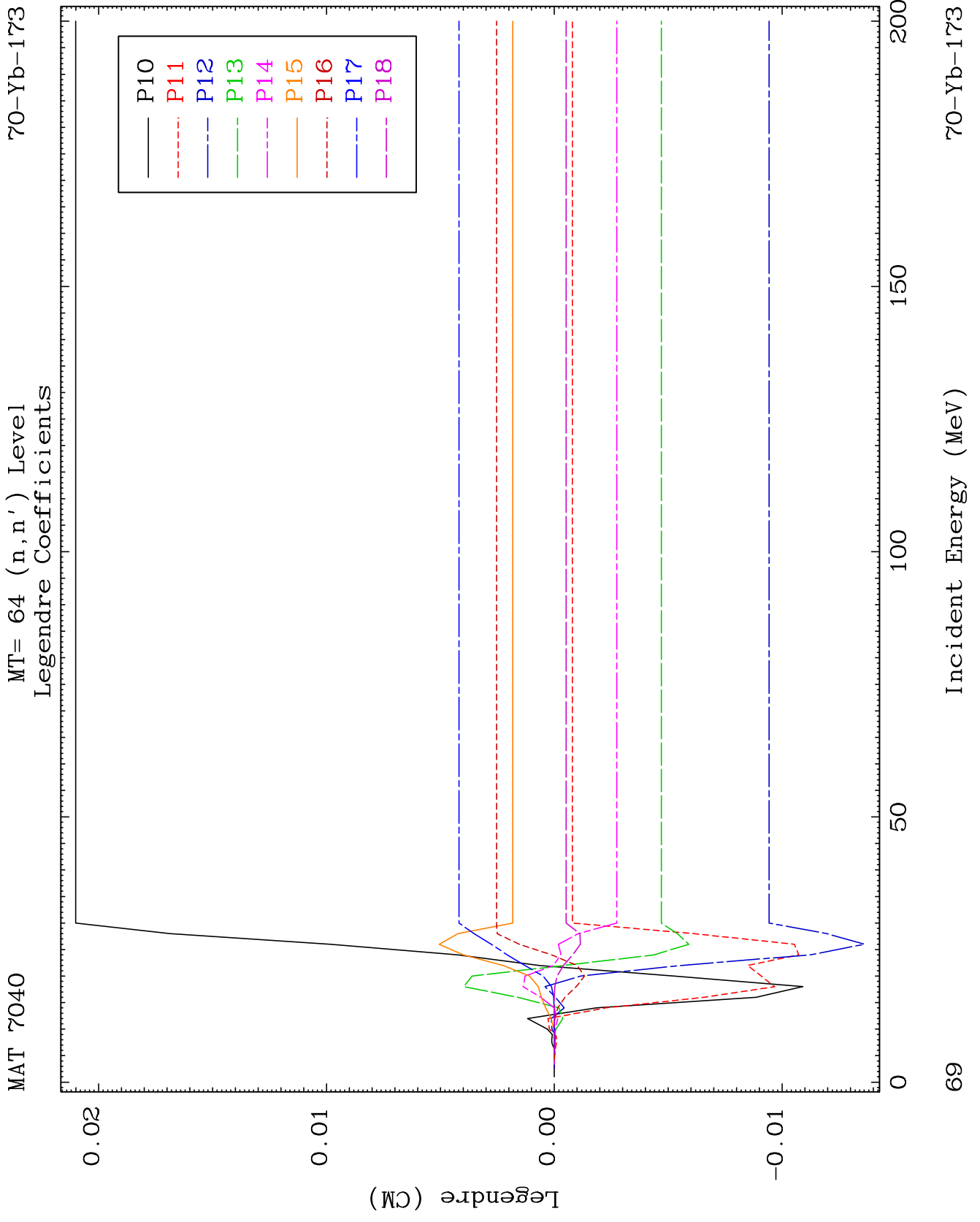
70-Yb-173



68

Incident Energy (MeV)

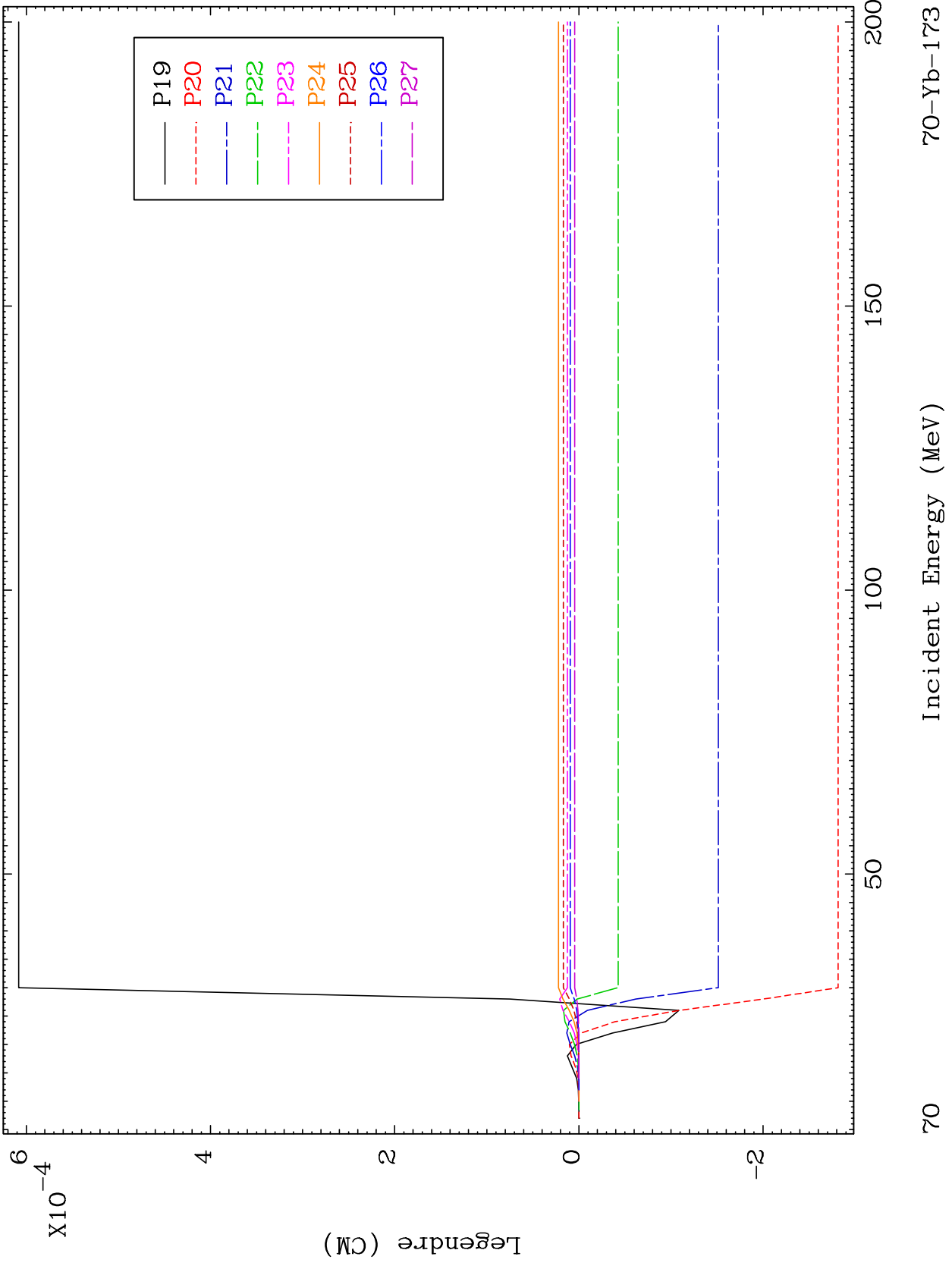
70-Yb-173



MAT 7040

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

70-Yb-173



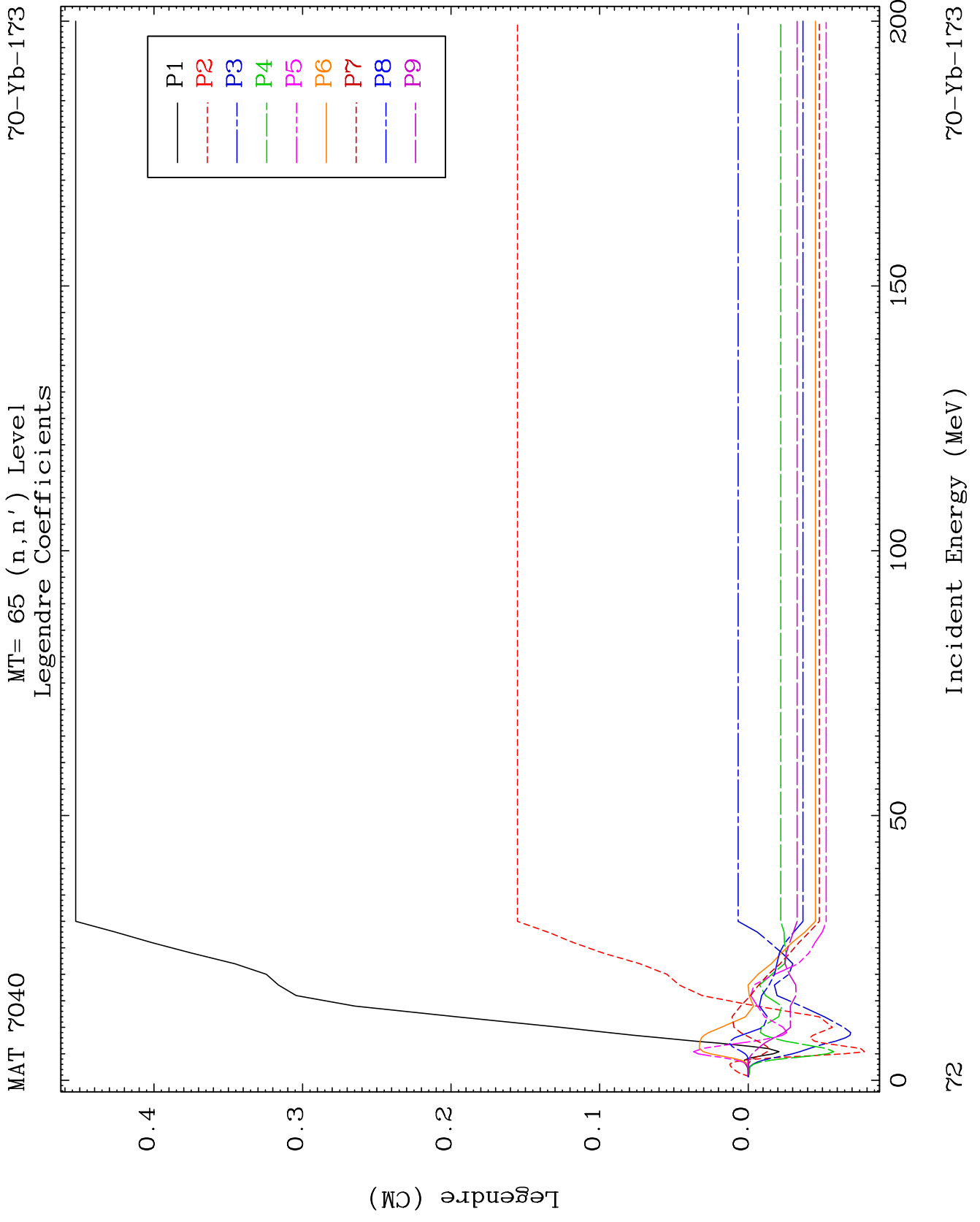
70

Incident Energy (MeV)

70-Yb-173



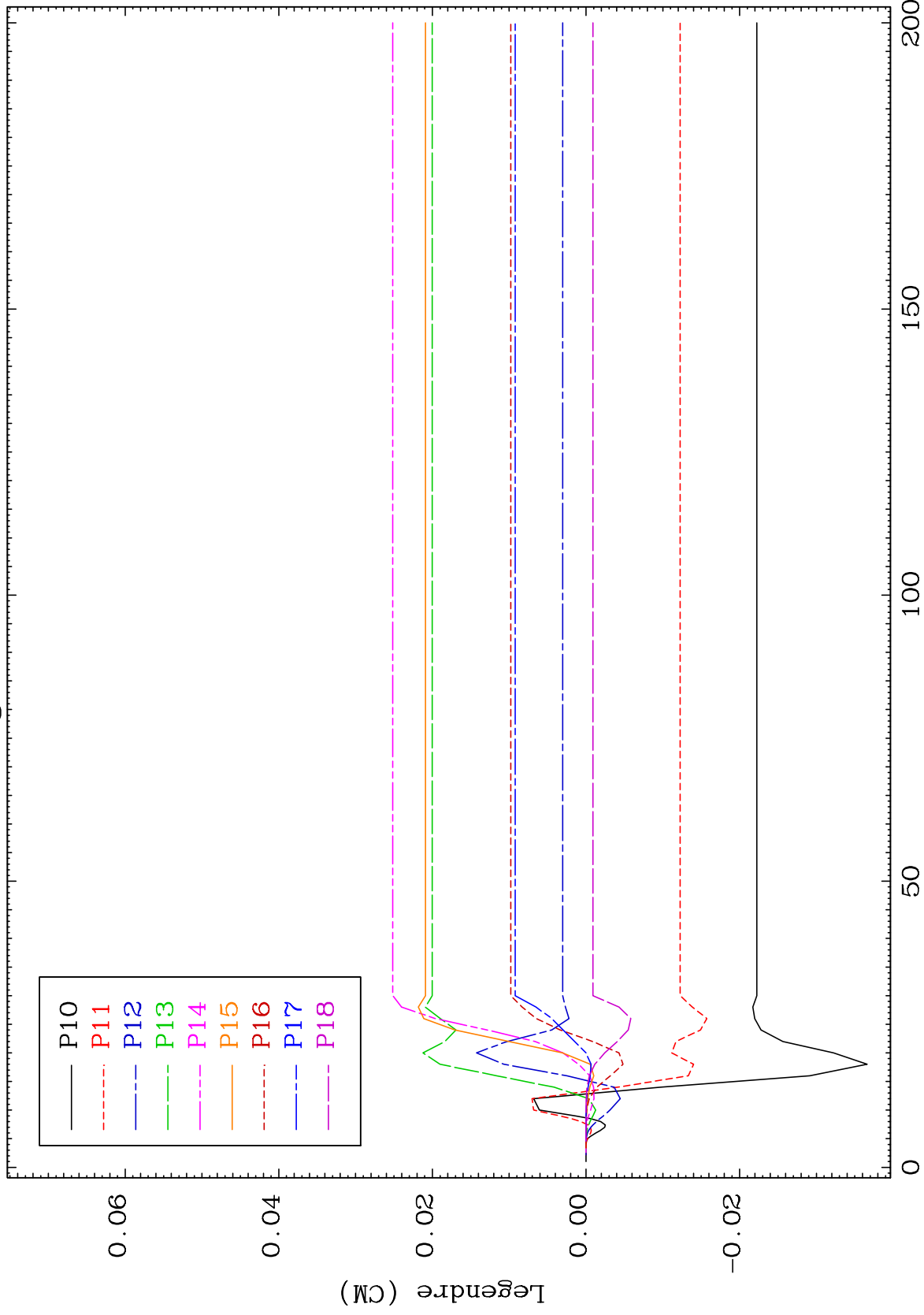




MAT 7040

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

70-Yb-173



73

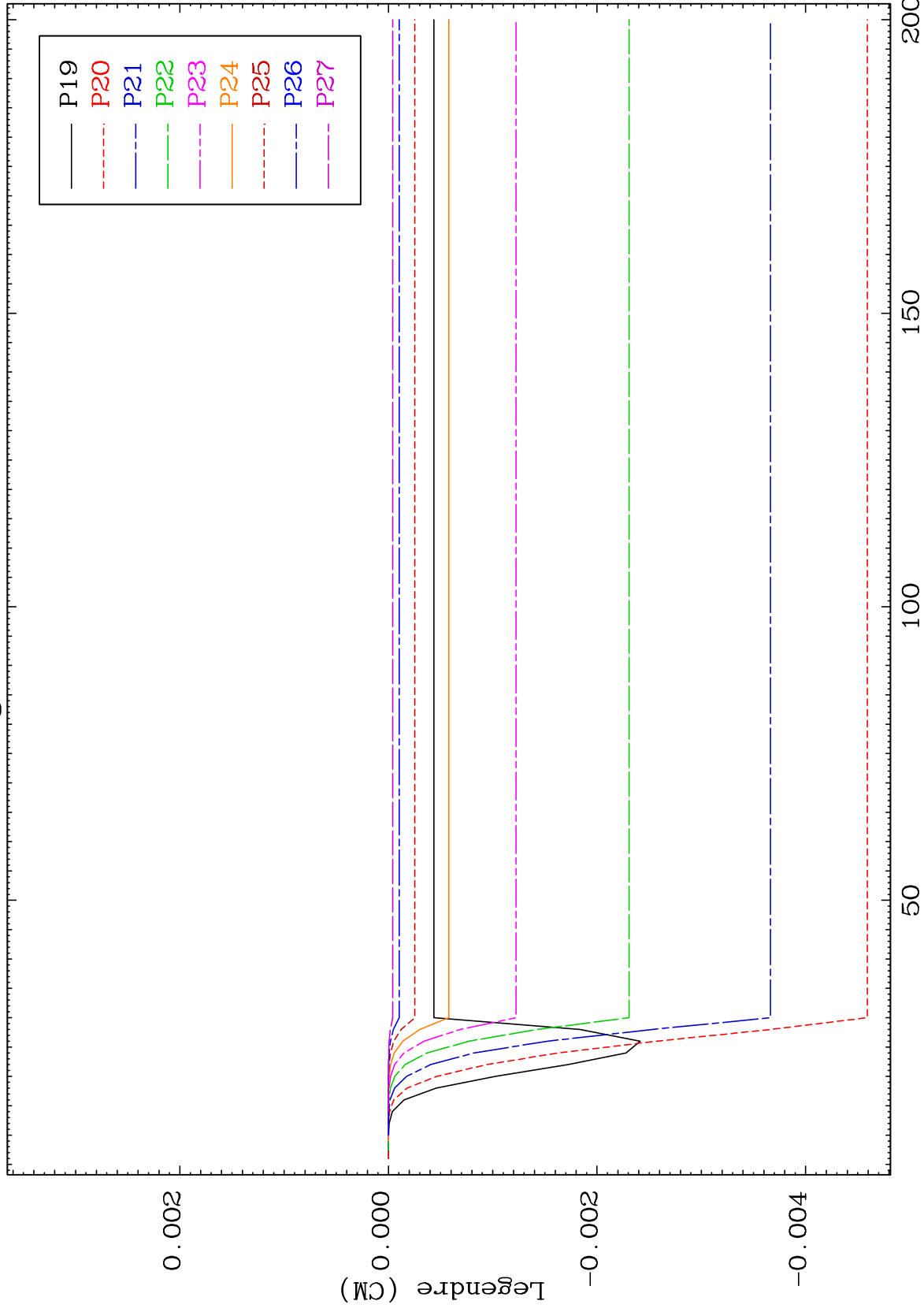
Incident Energy (MeV)

70-Yb-173

MAT 7040

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

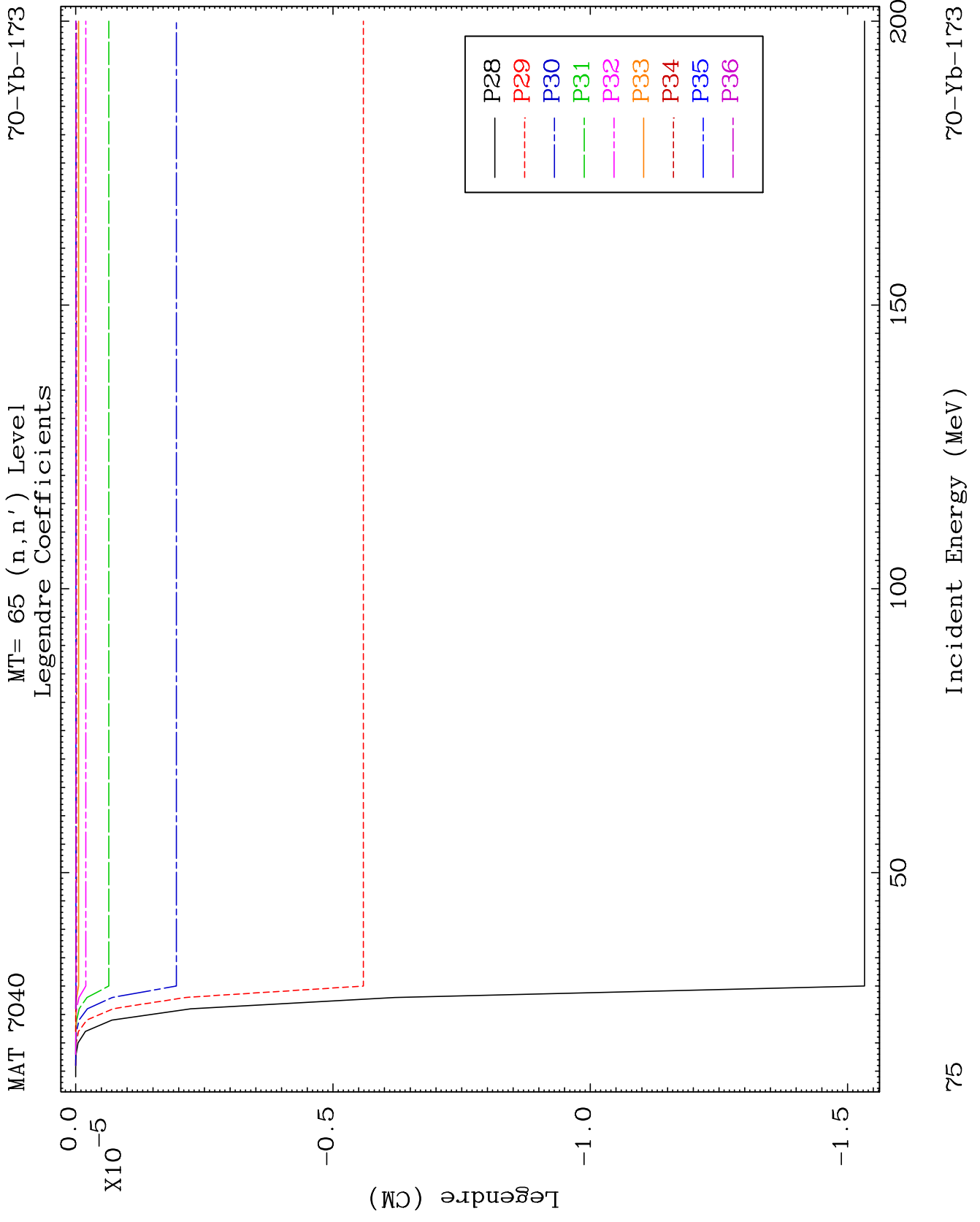
70-Yb-173



74

Incident Energy (MeV)

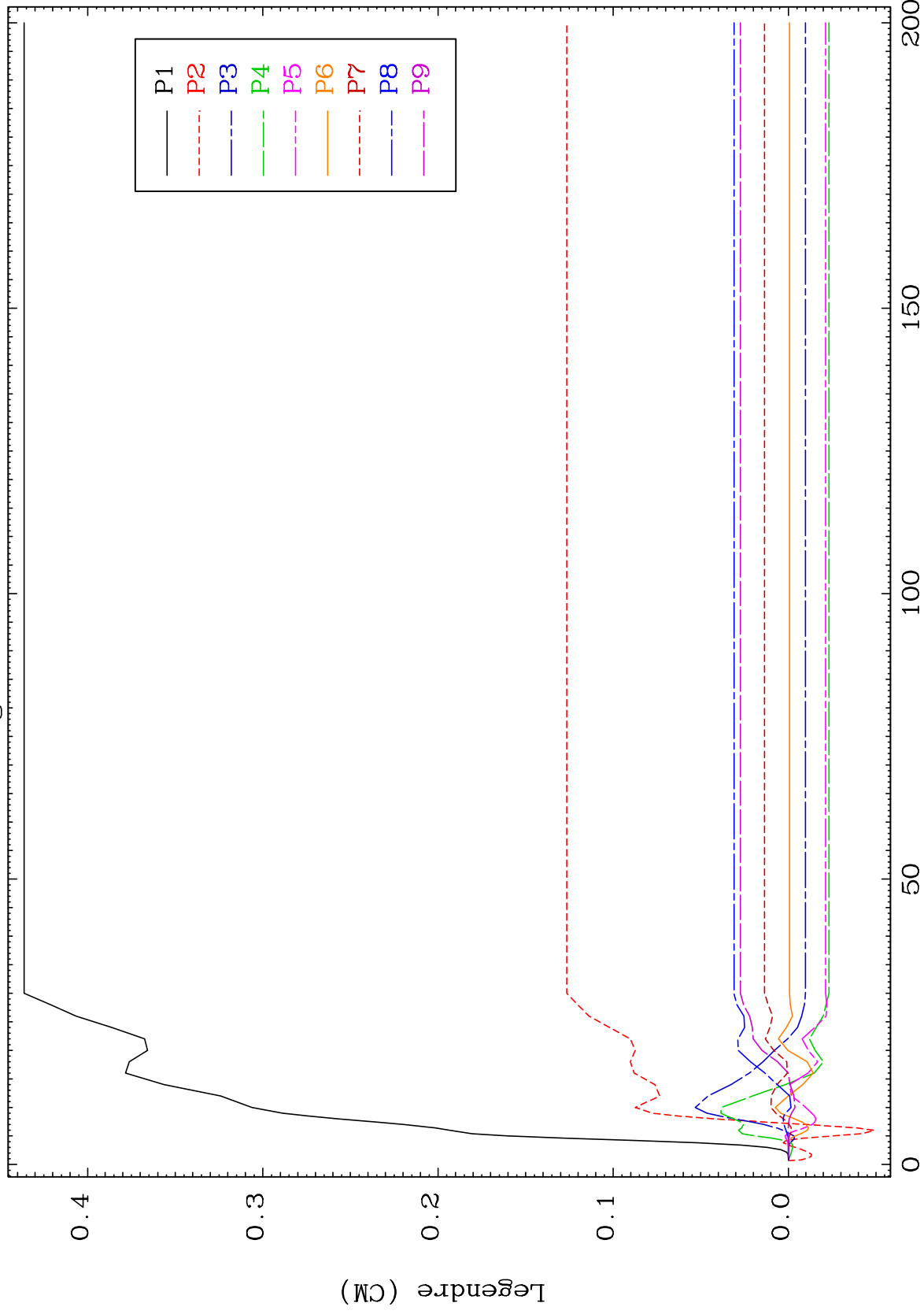
70-Yb-173



MAT 7040

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

70-Yb-173



76

Incident Energy (MeV)

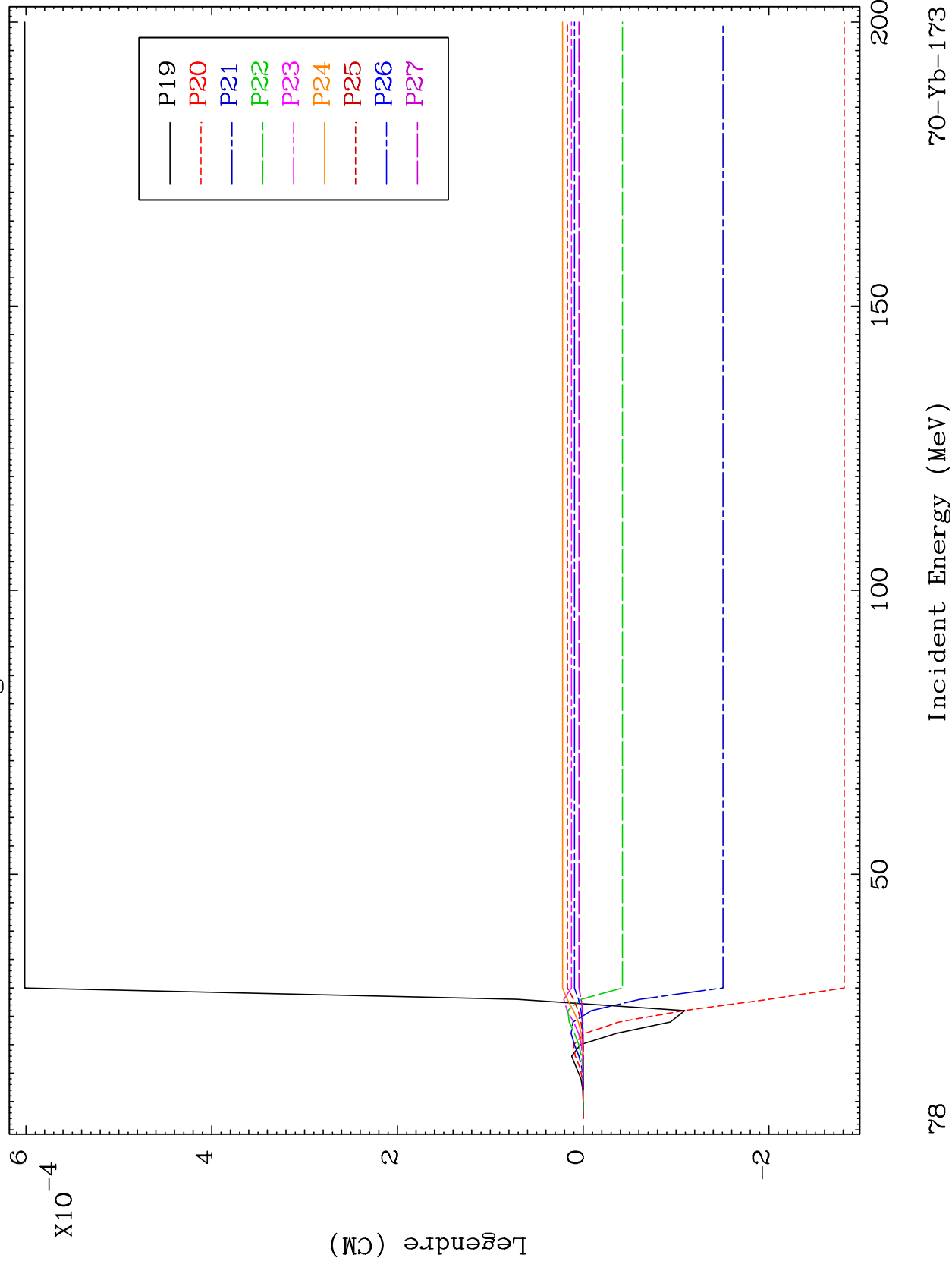
70-Yb-173



MAT 7040

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

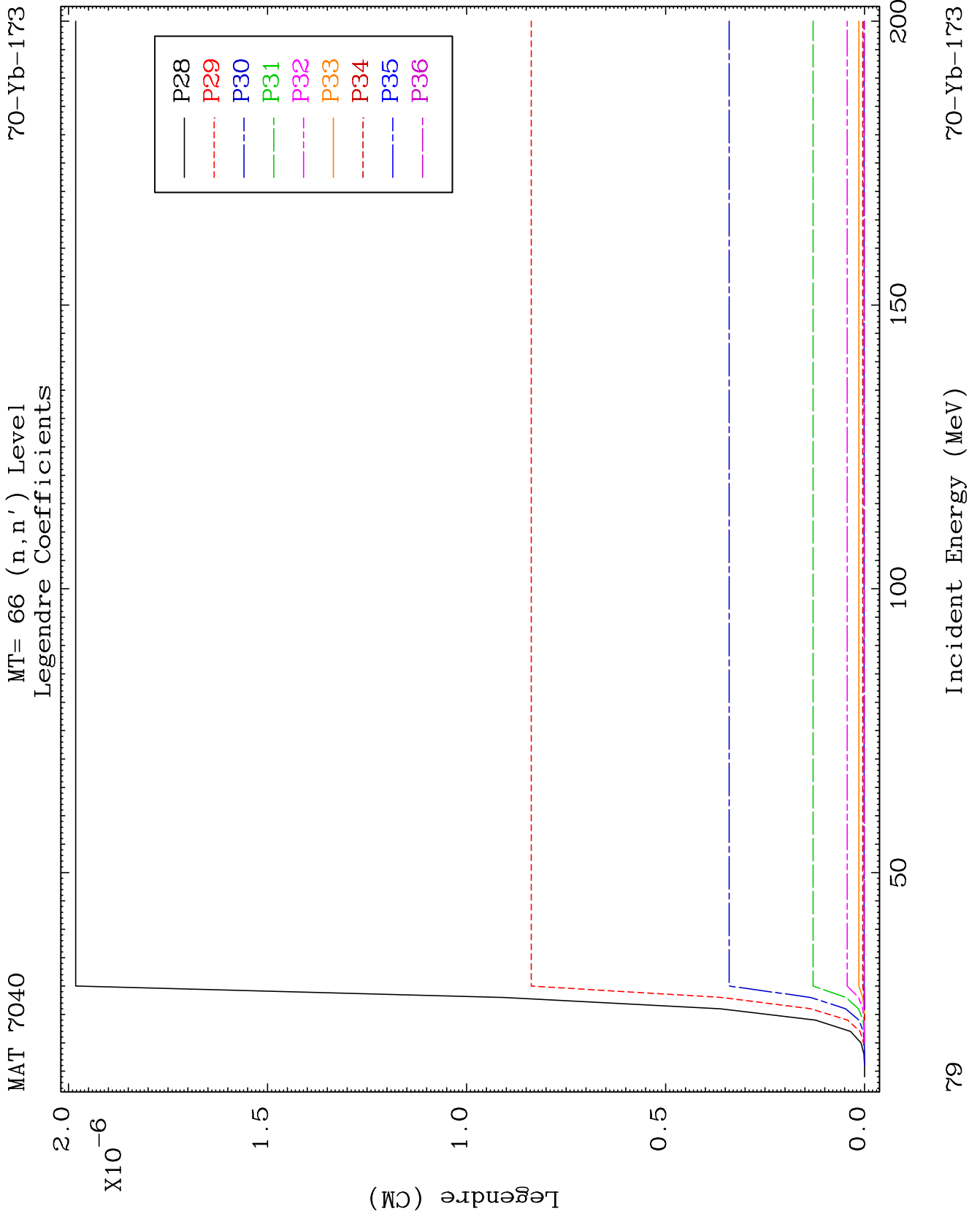
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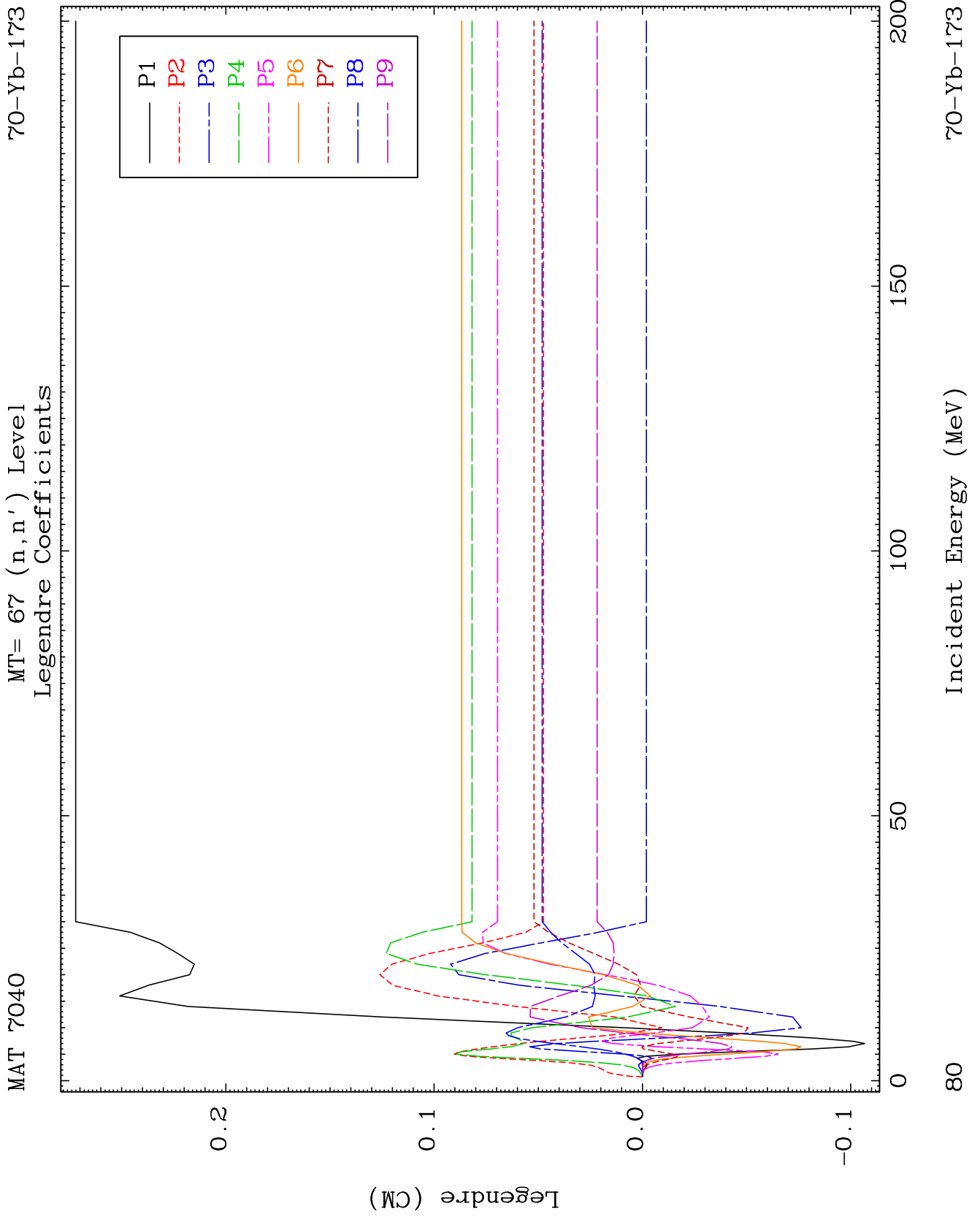
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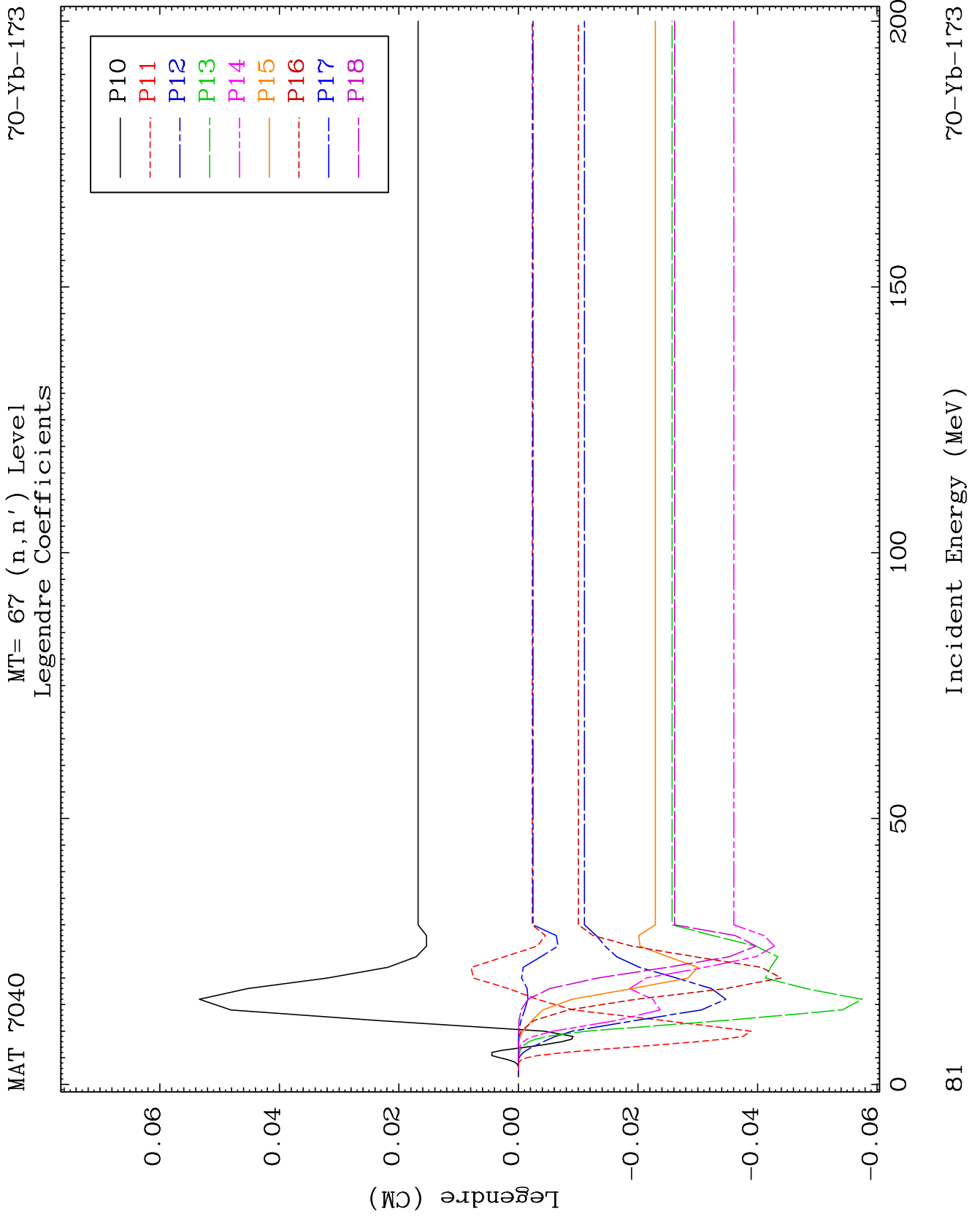
Incident Energy (MeV)

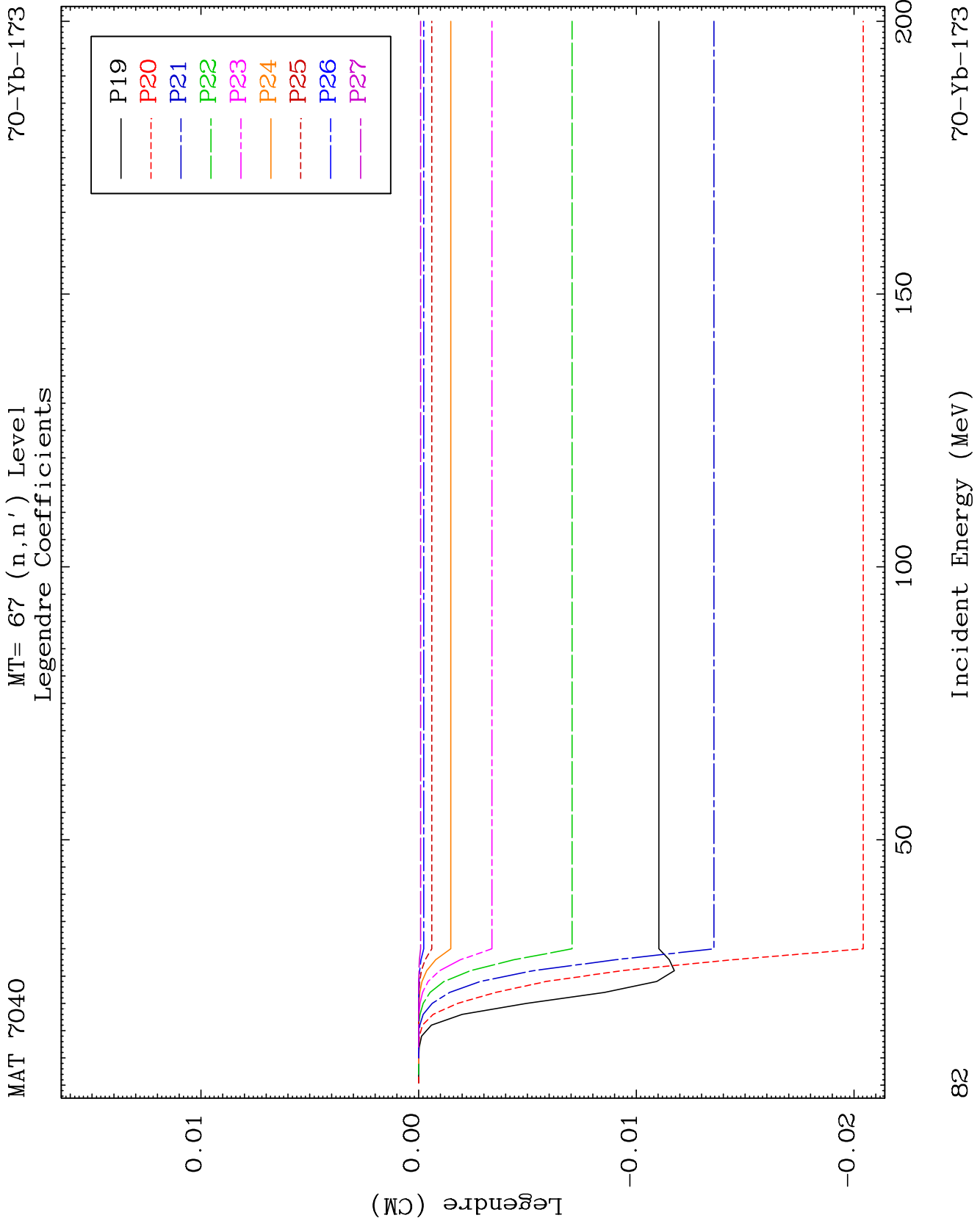
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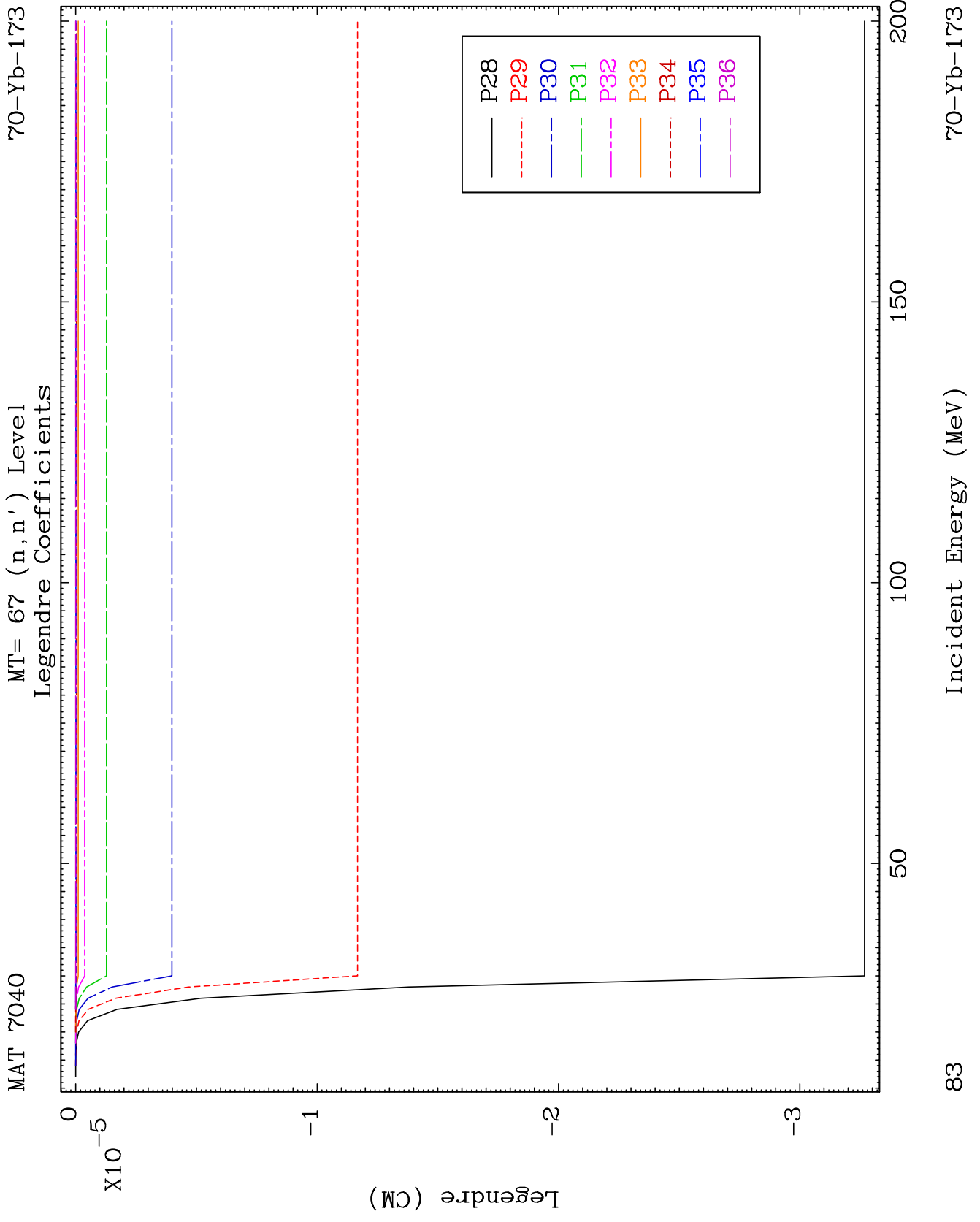








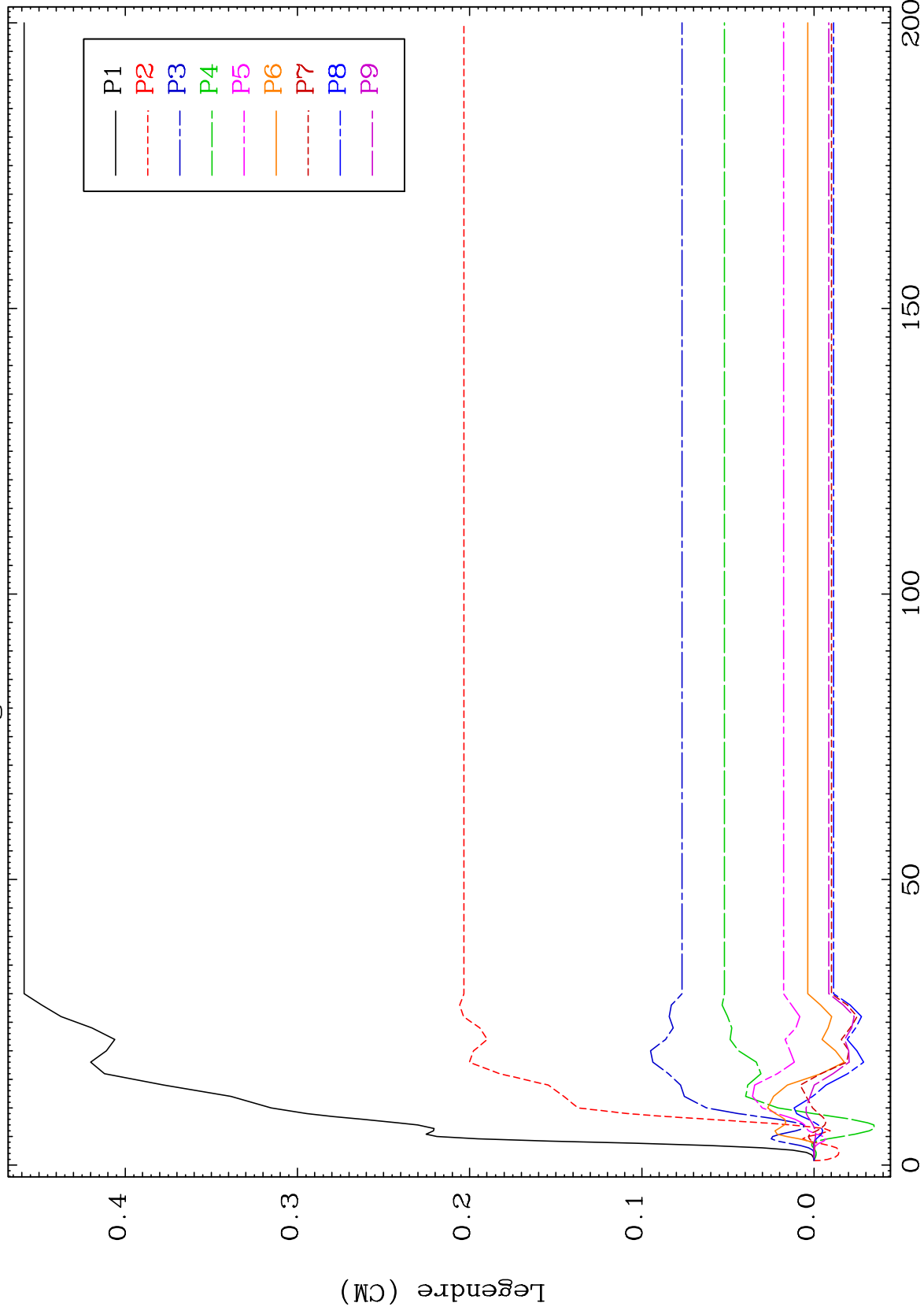




MAT 7040

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

70-Yb-173



84

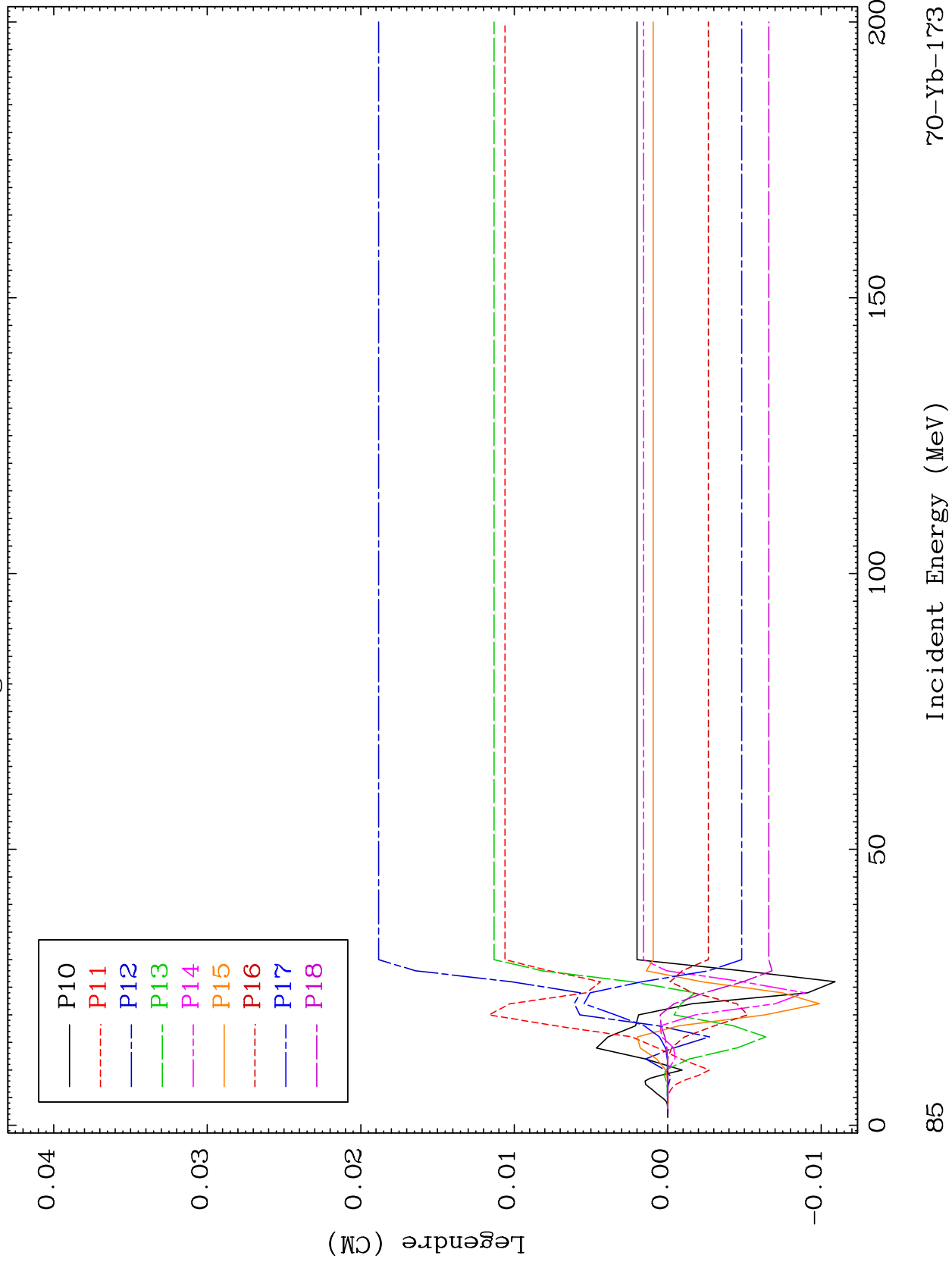
Incident Energy (MeV)

70-Yb-173

MAT 7040

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

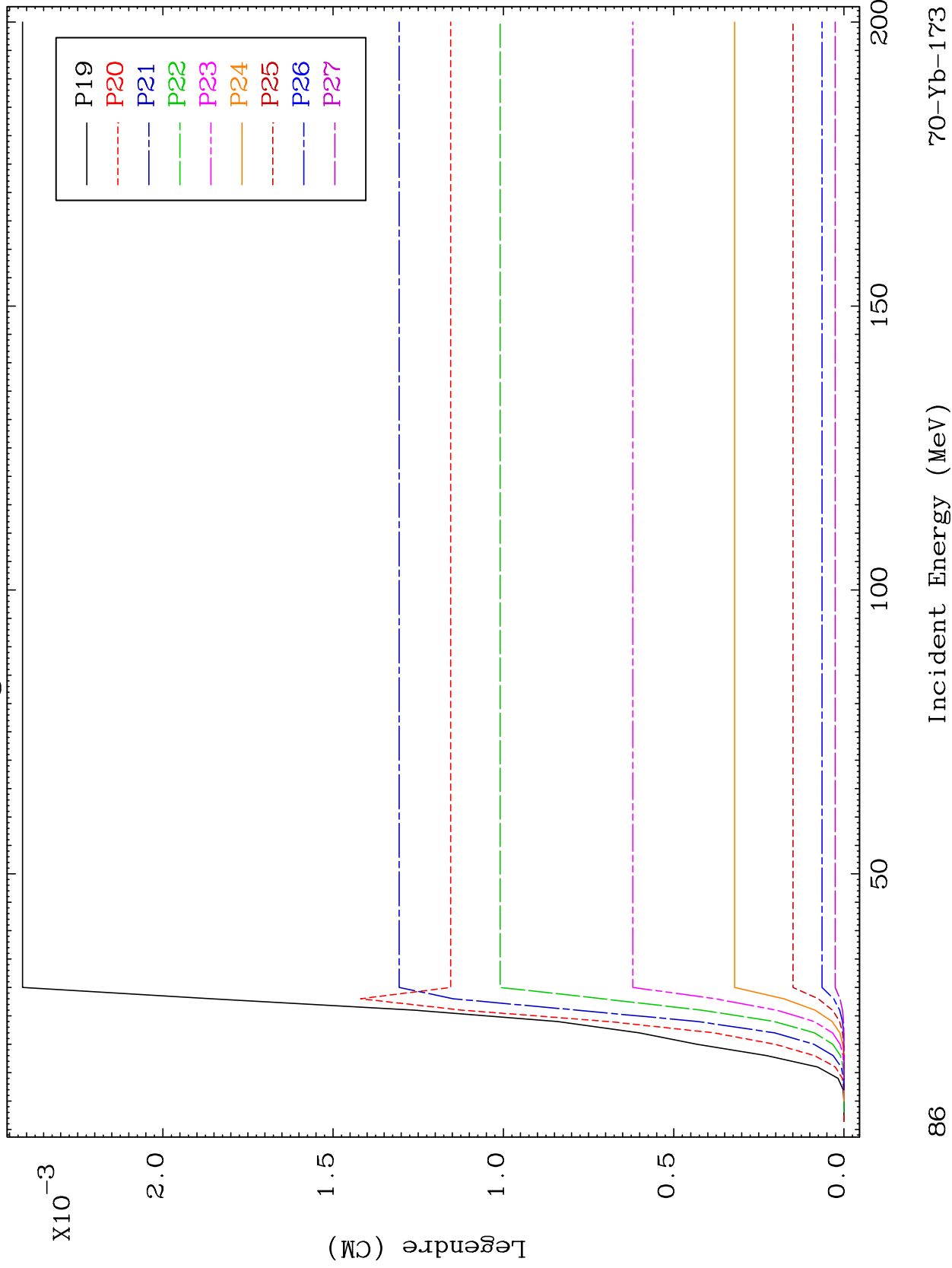
70-Yb-173



70-Yb-173

Incident Energy (MeV)

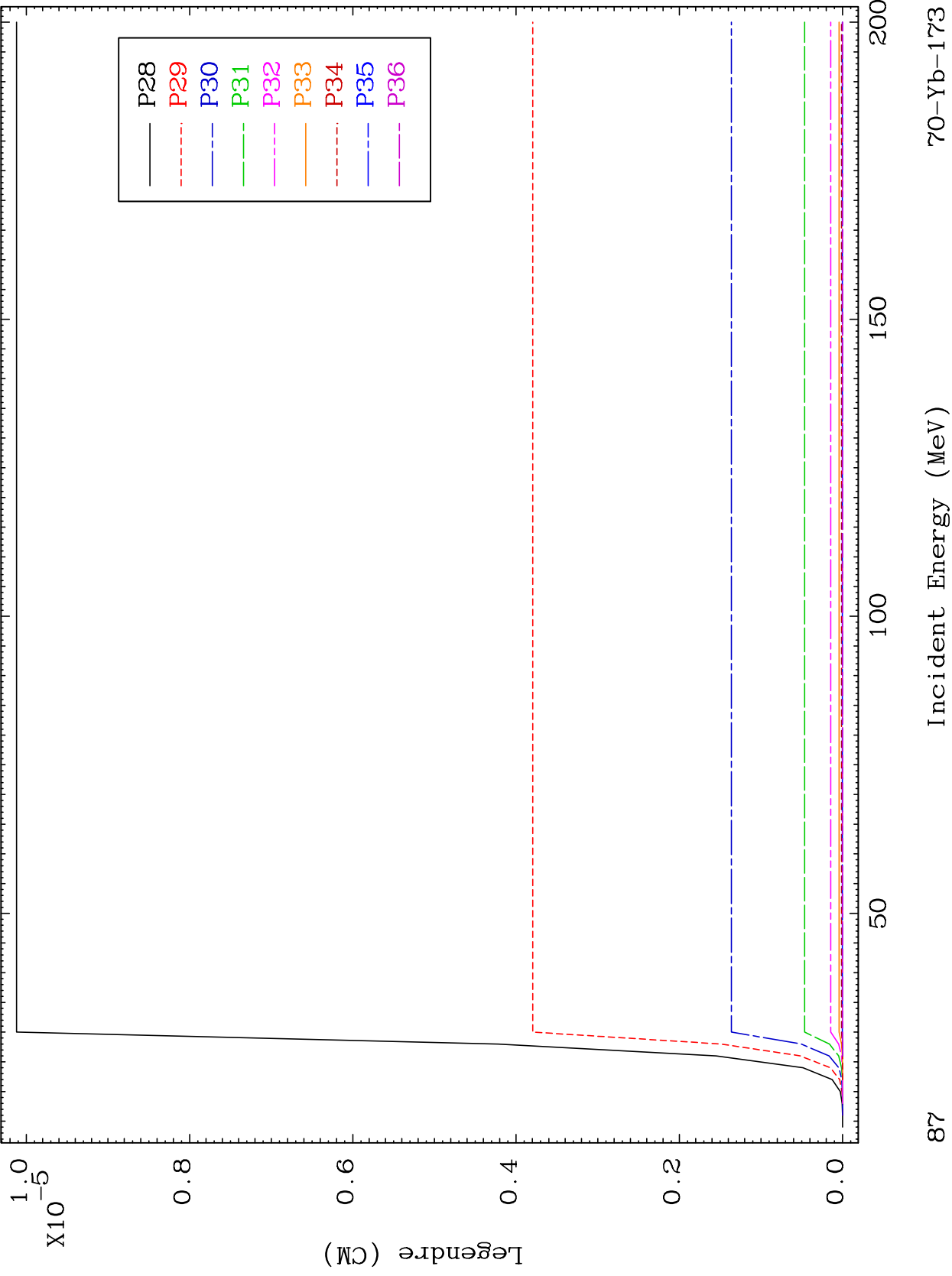
85



MAT 7040

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

70-Yb-173

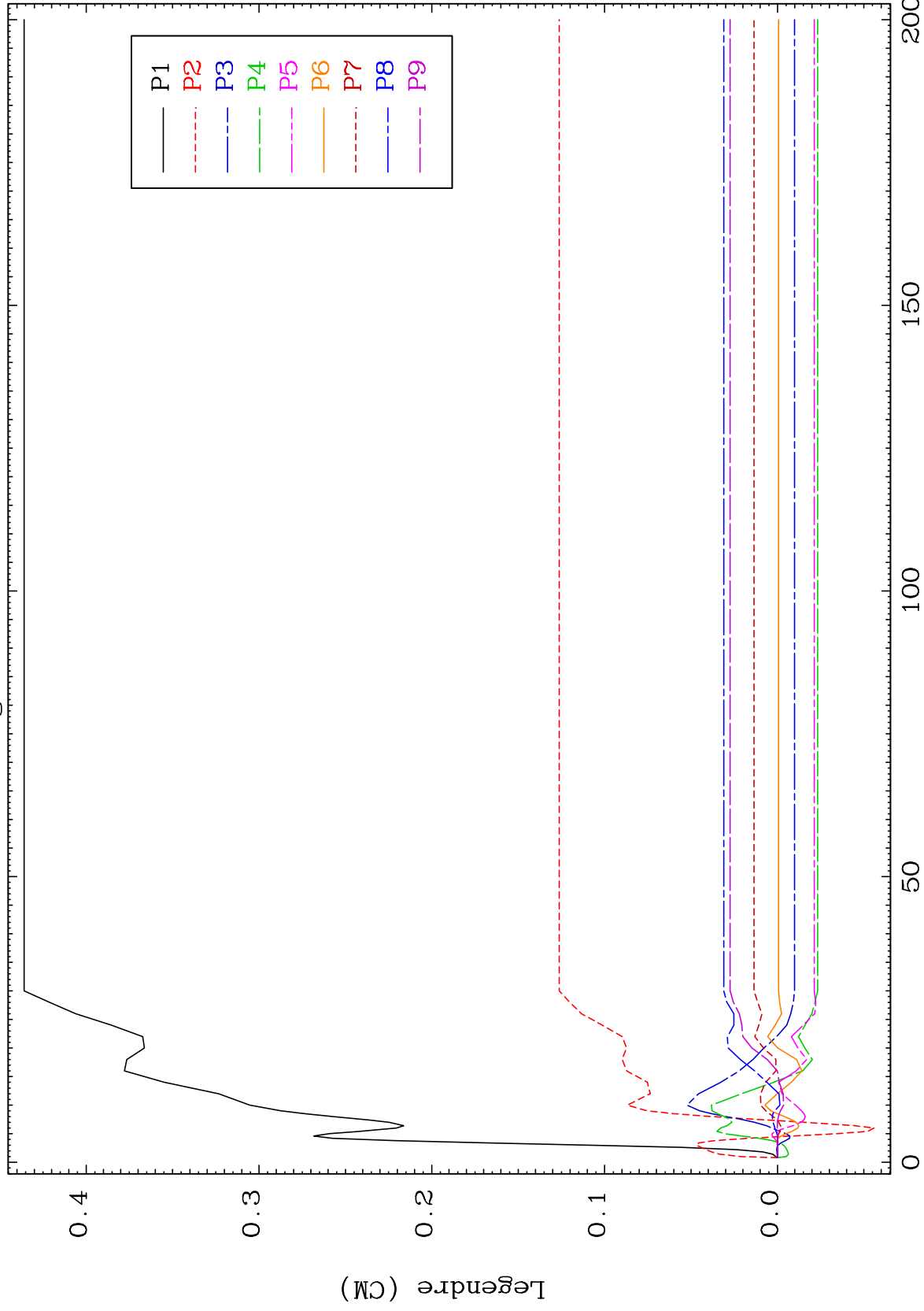




MAT 7040

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

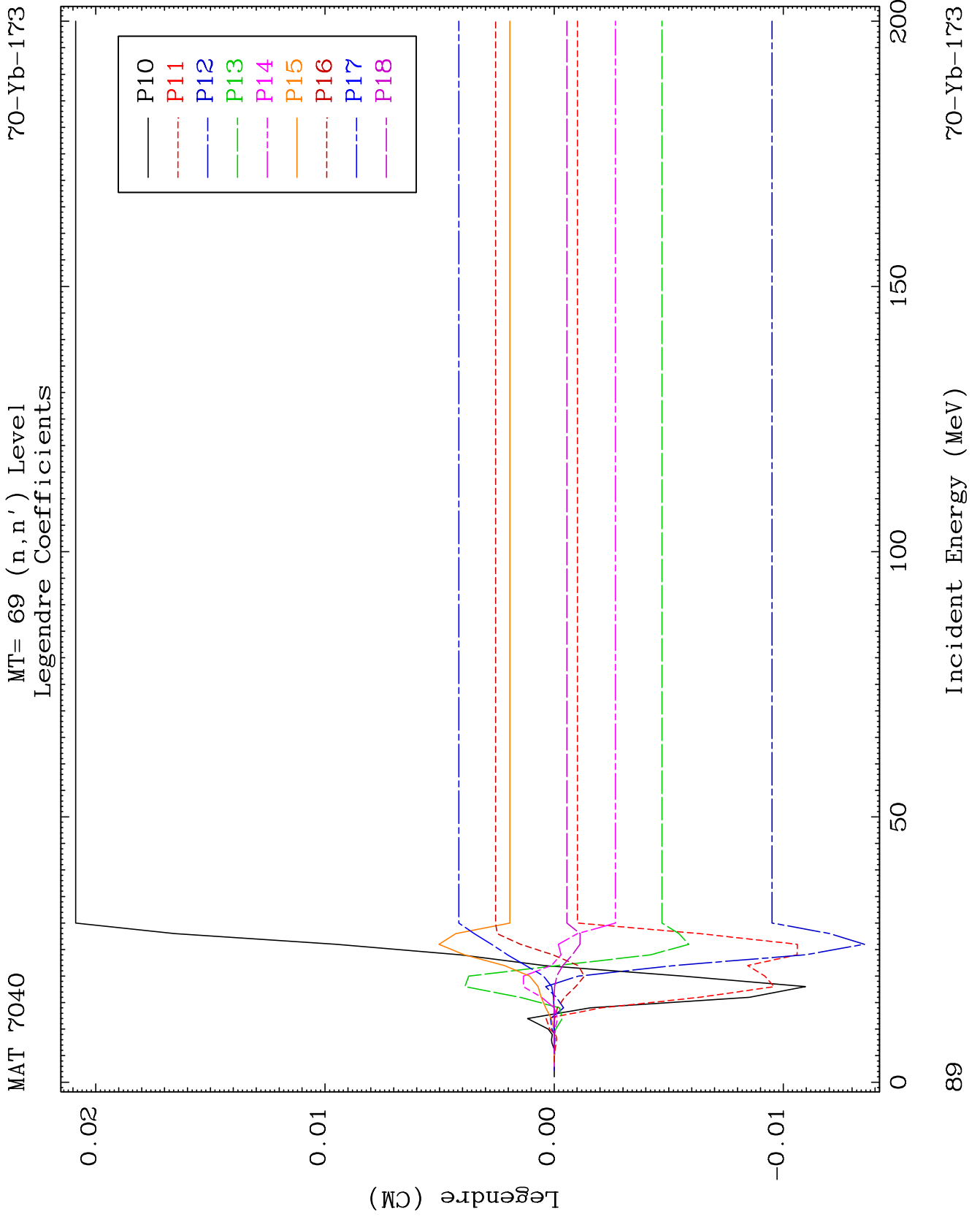
70-Yb-173



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Incident Energy (MeV)

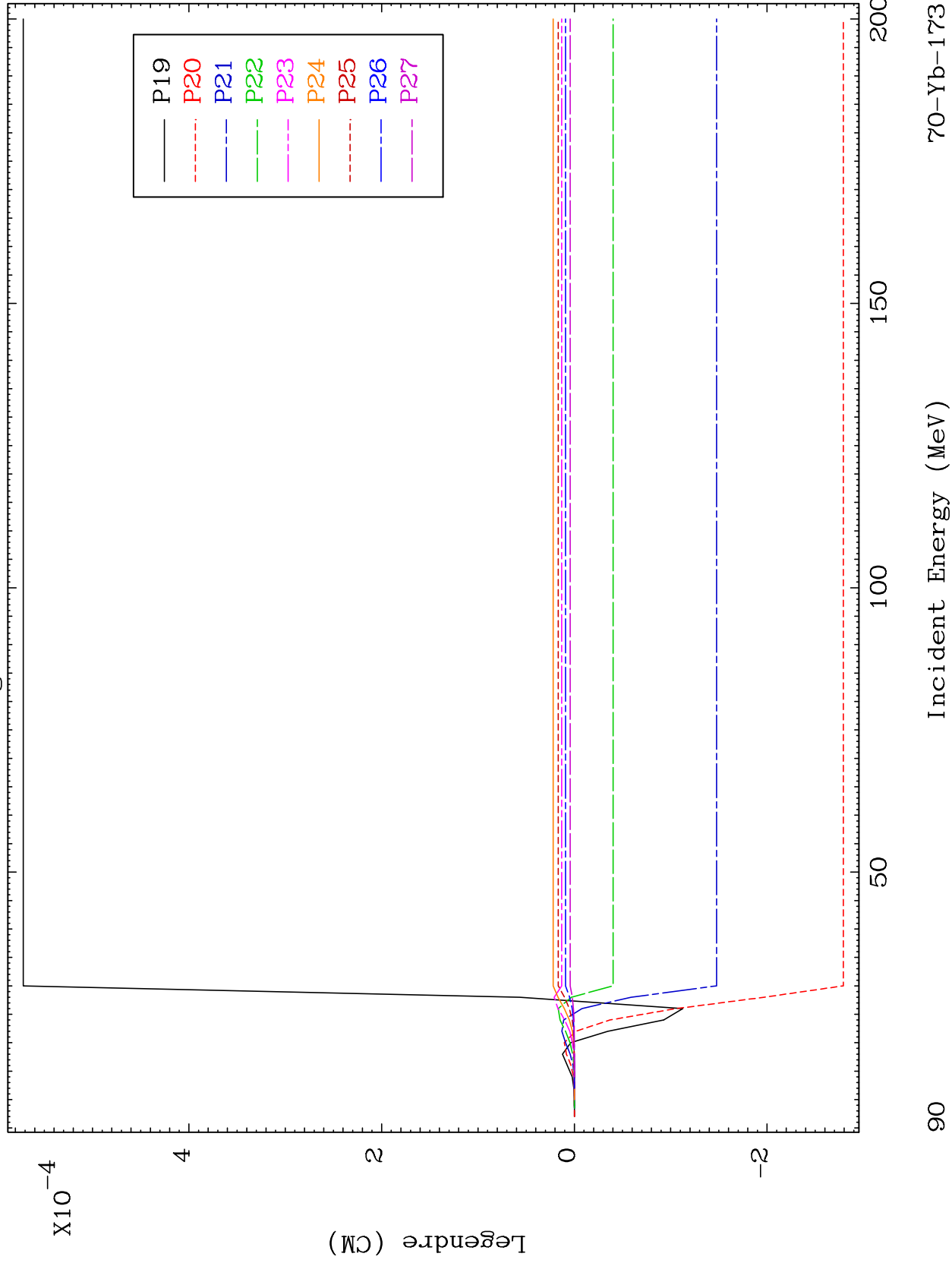
70-Yb-173



MAT 7040

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

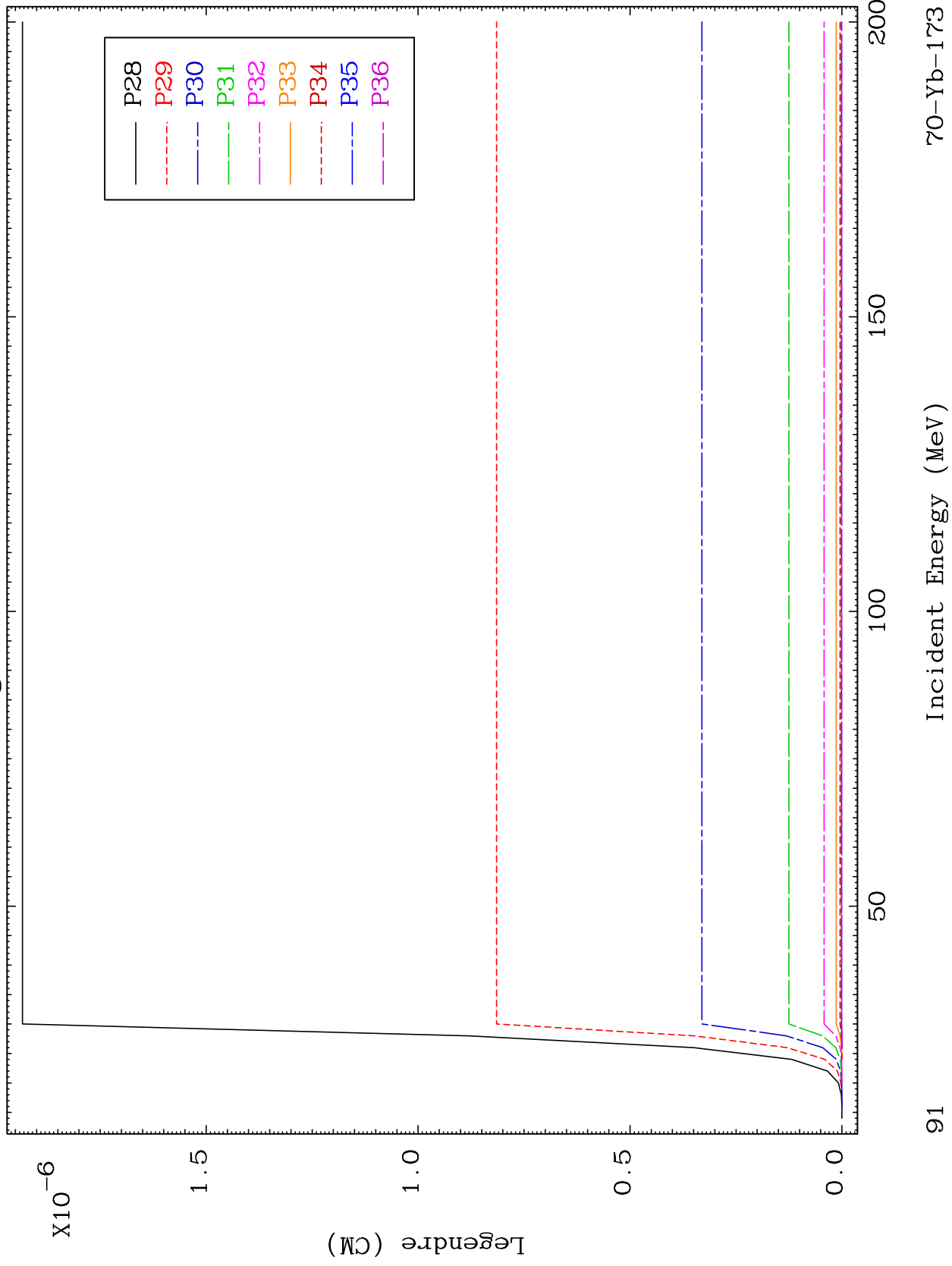
70-Yb-173

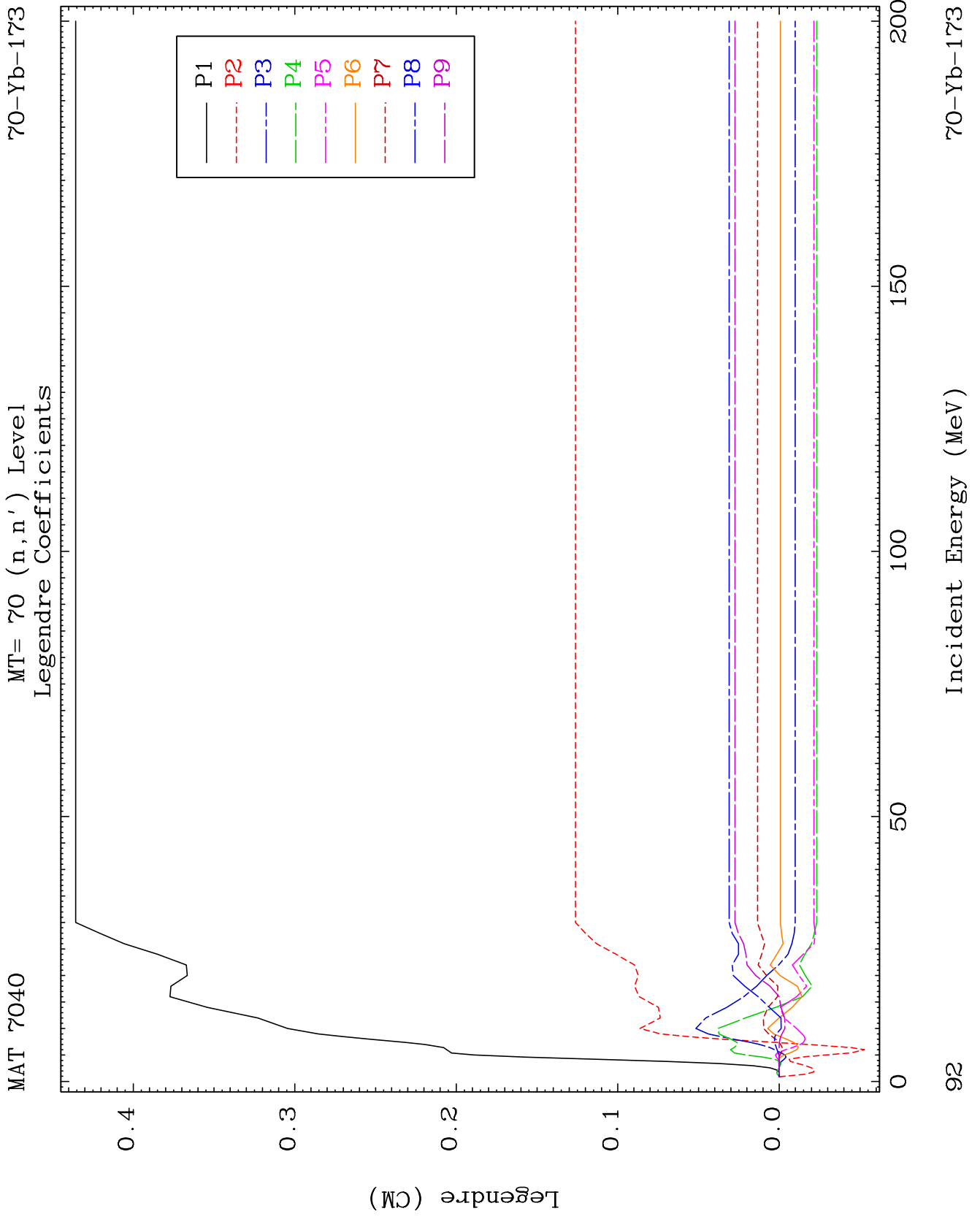


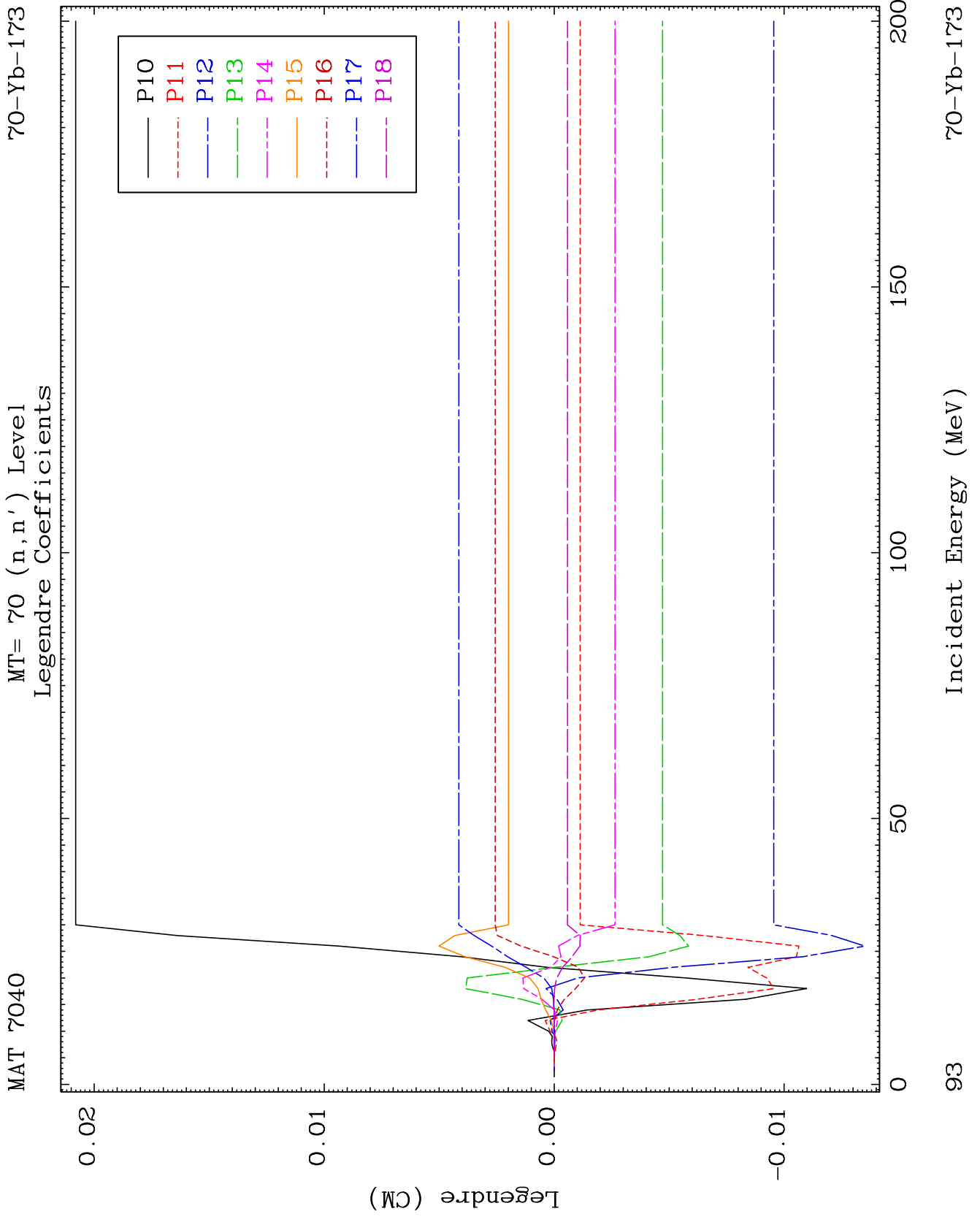
MAT 7040

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

70-Yb-173



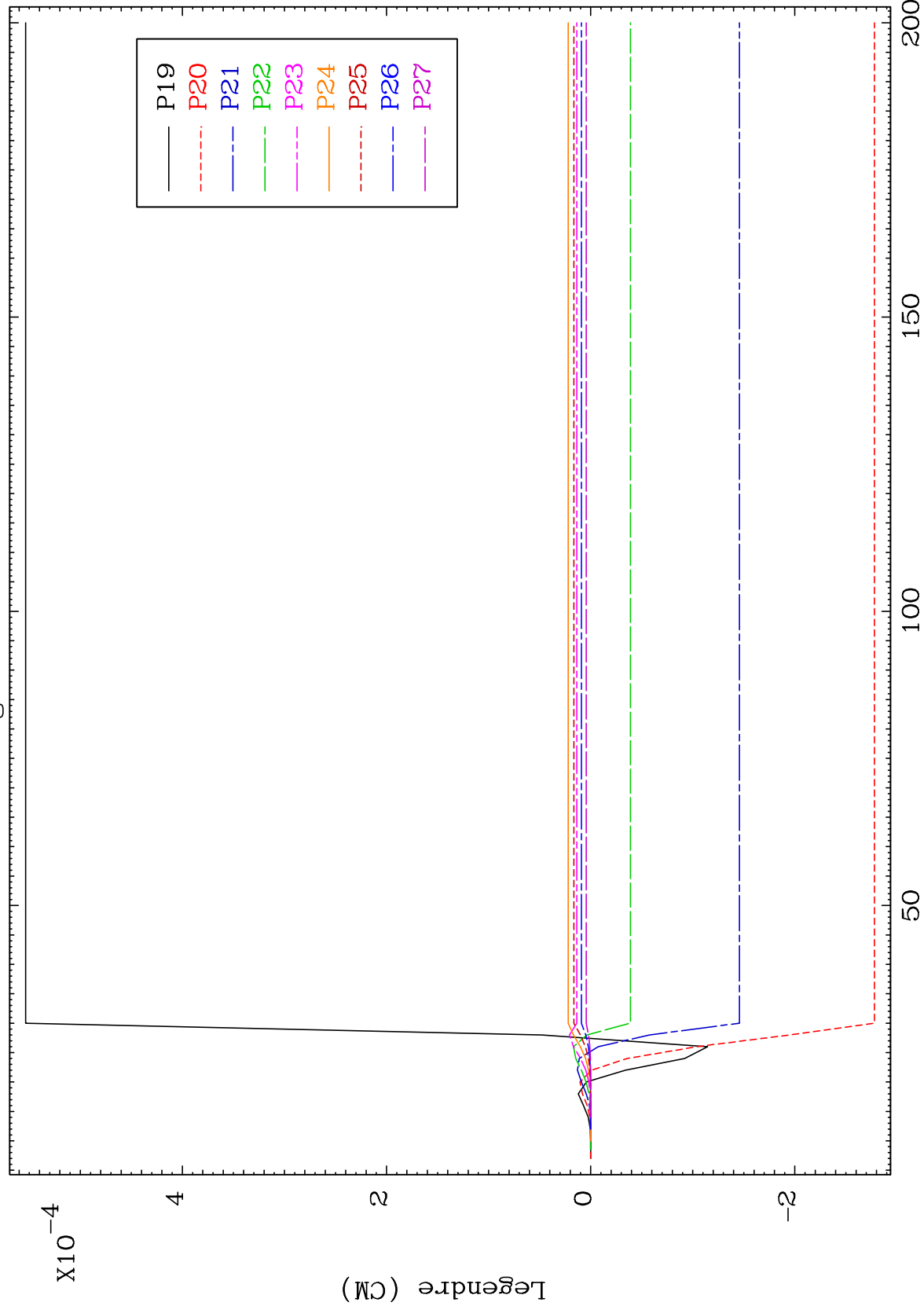




MAT 7040

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

70-Yb-173



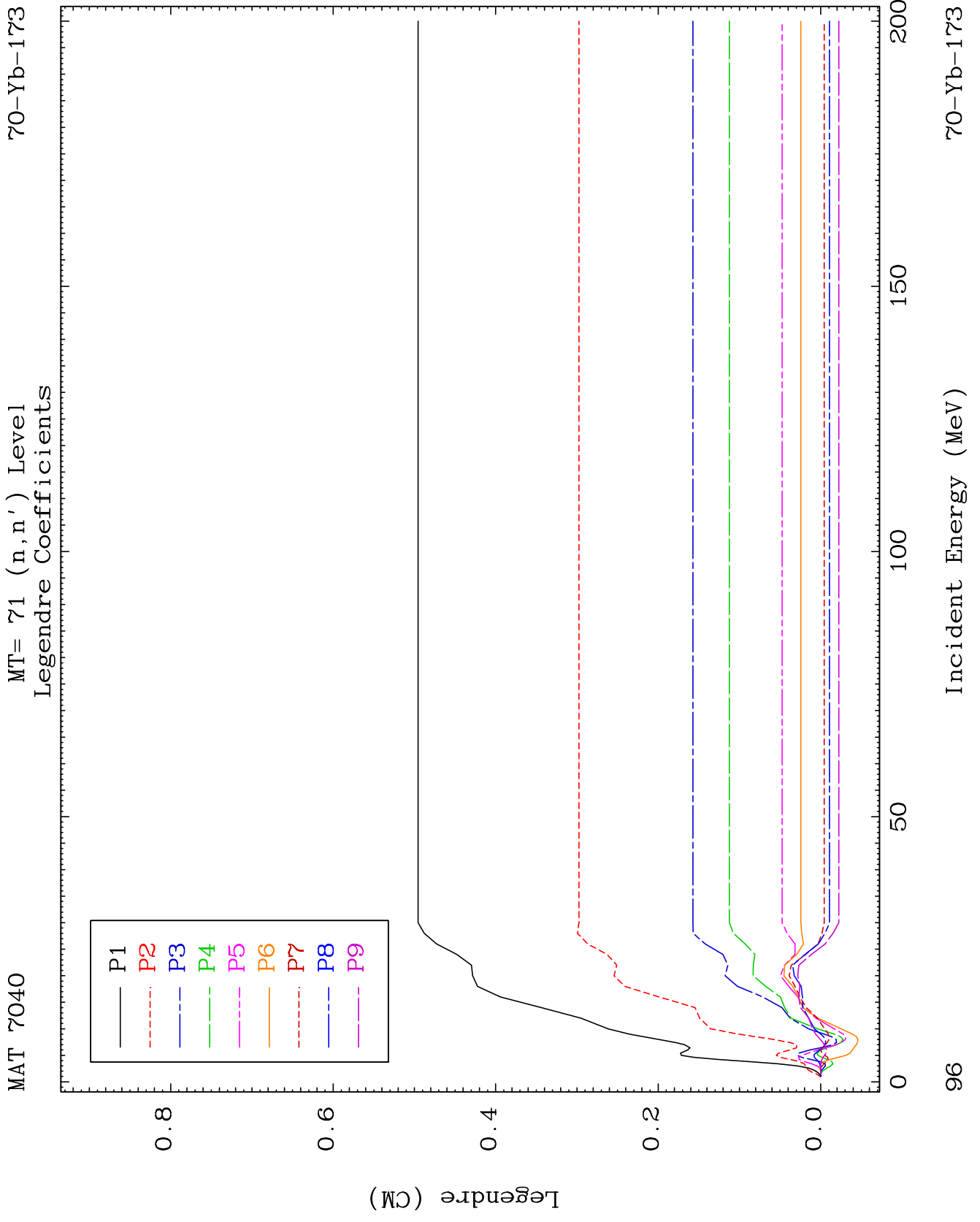
94

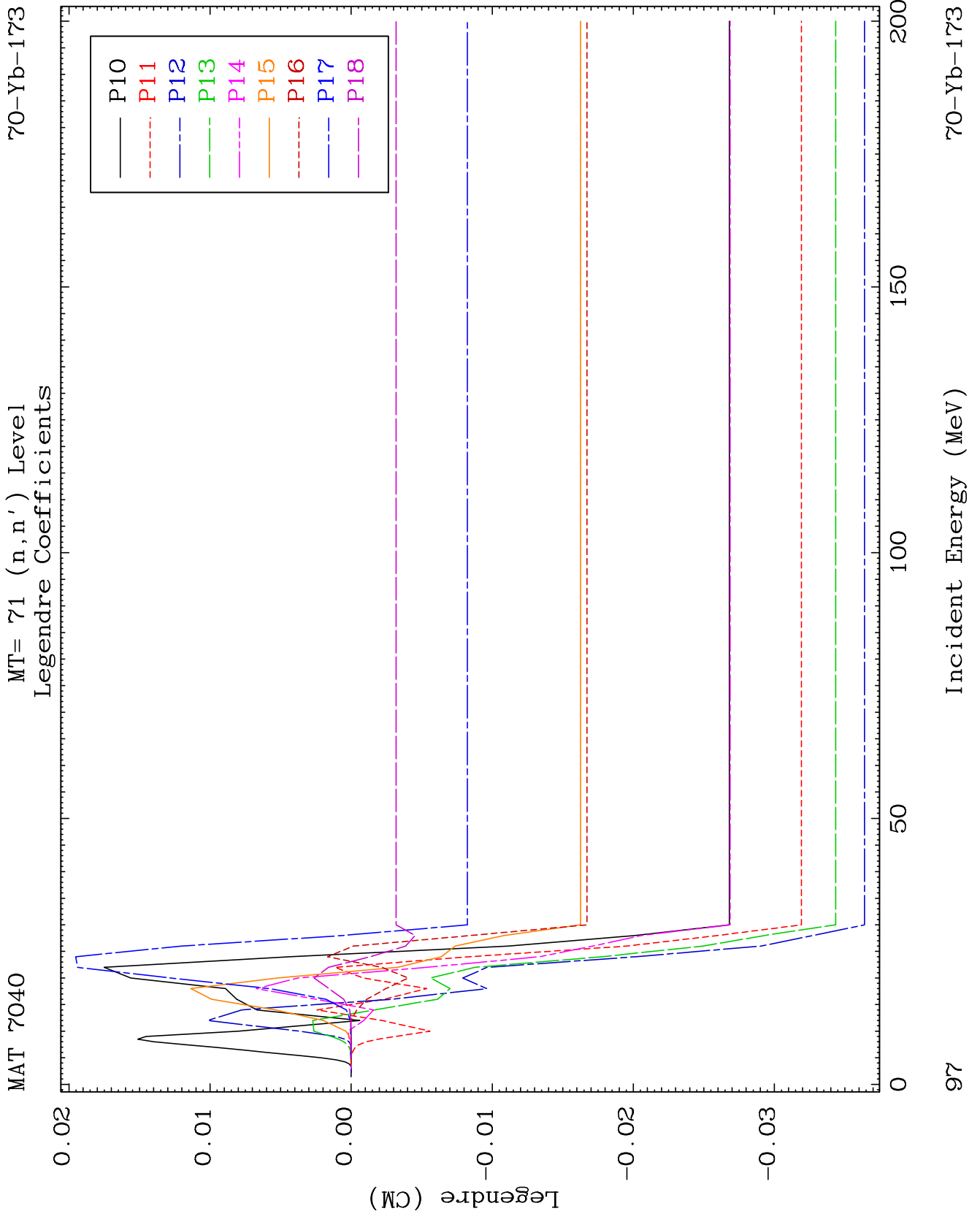
Incident Energy (MeV)

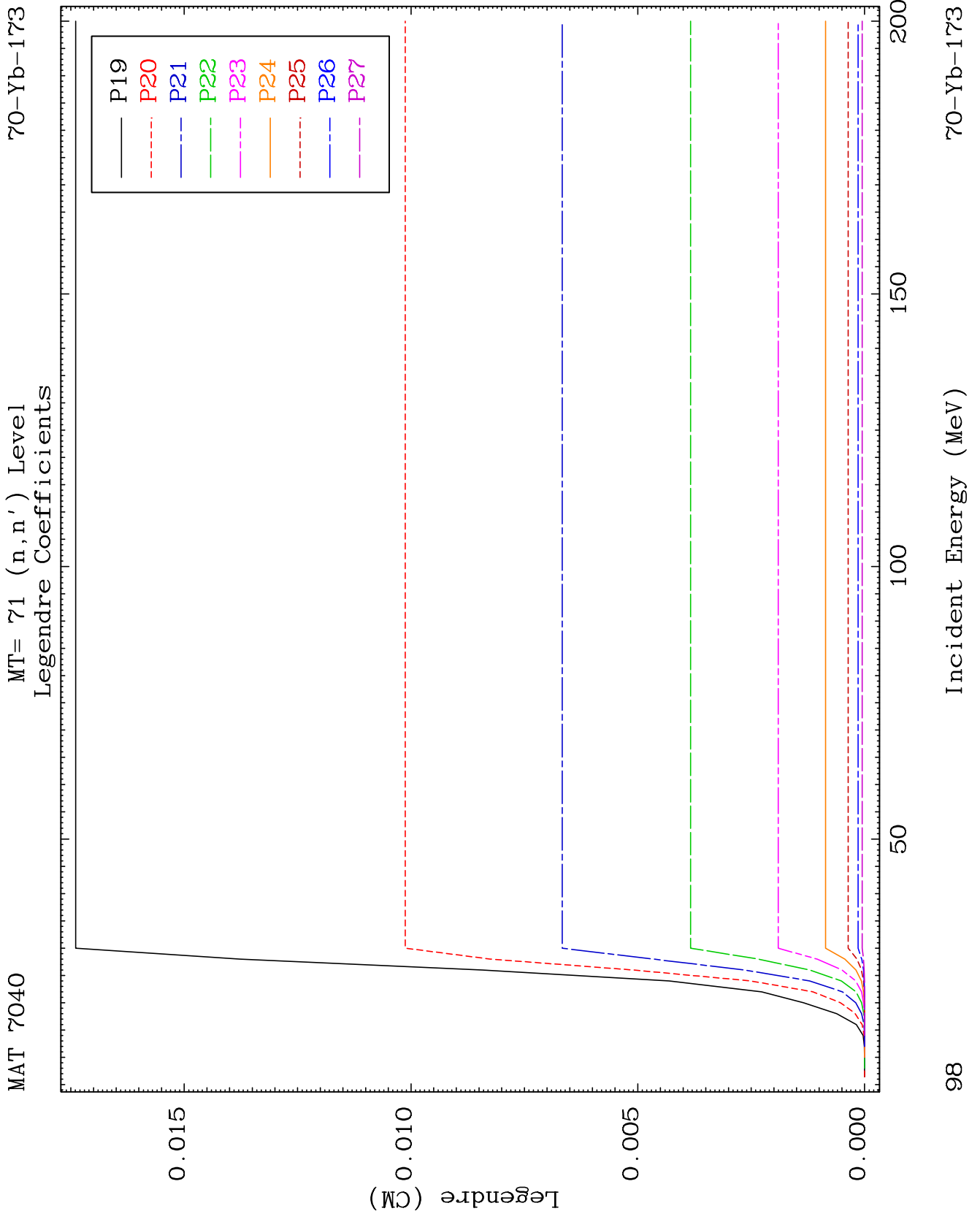
70-Yb-173



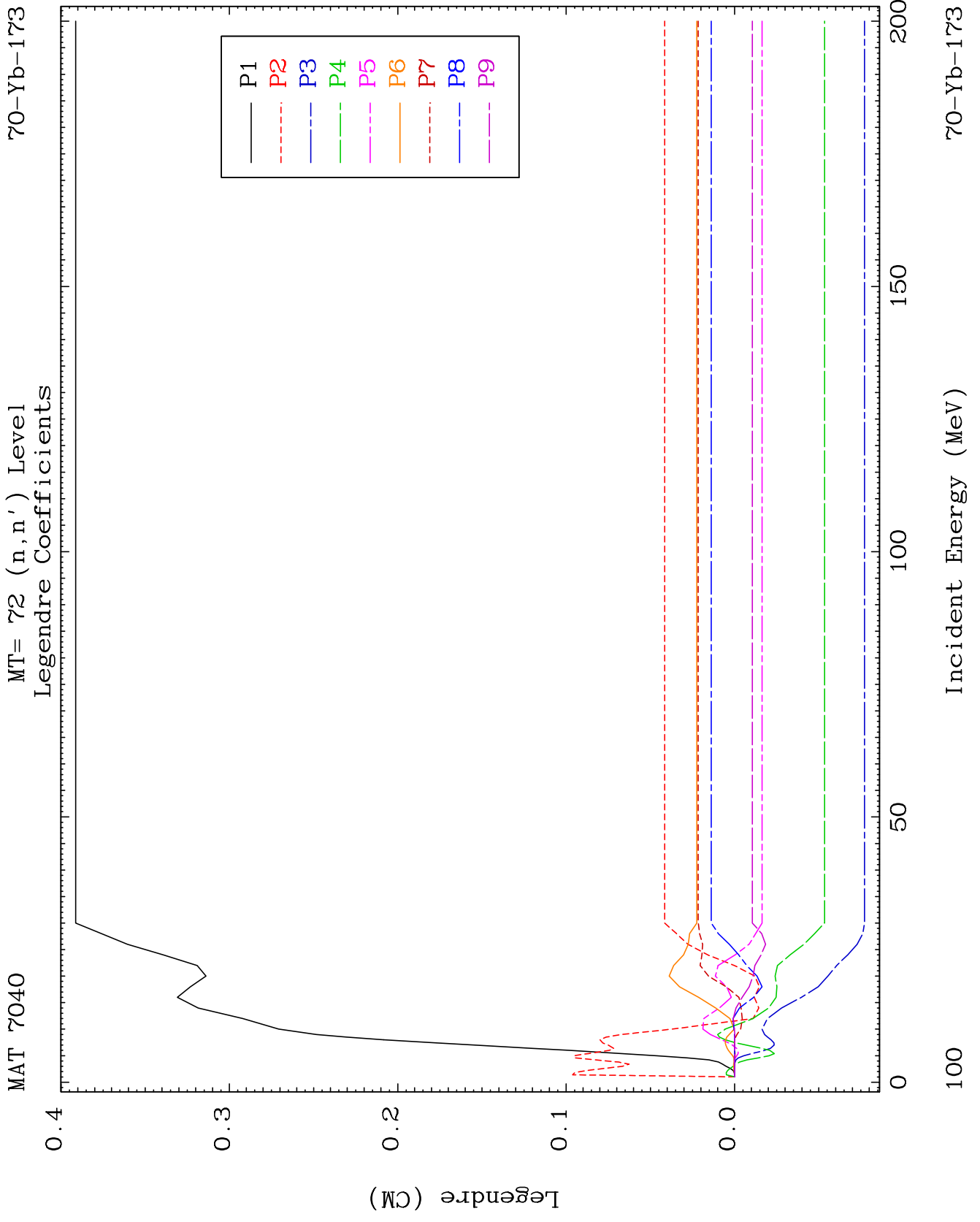


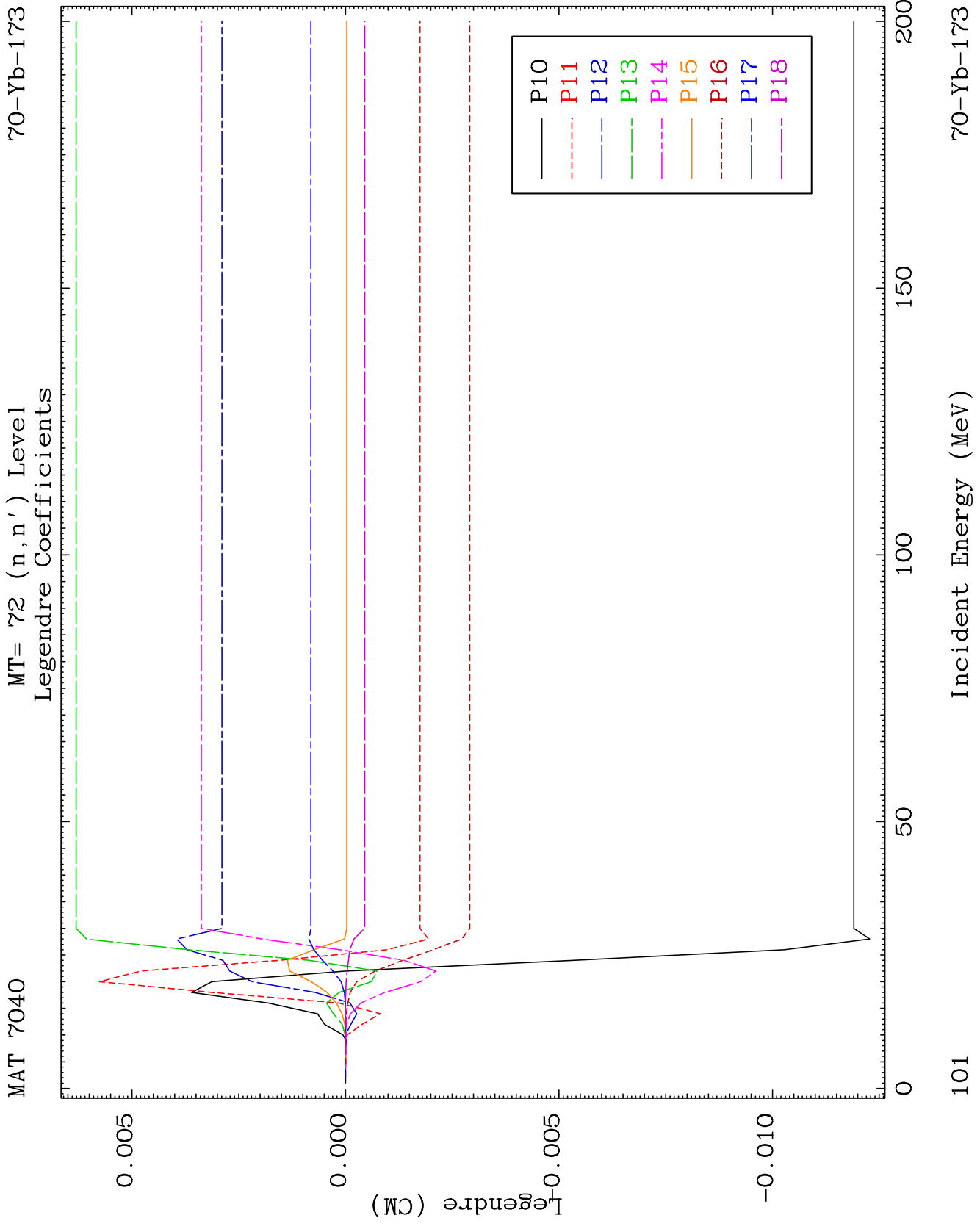








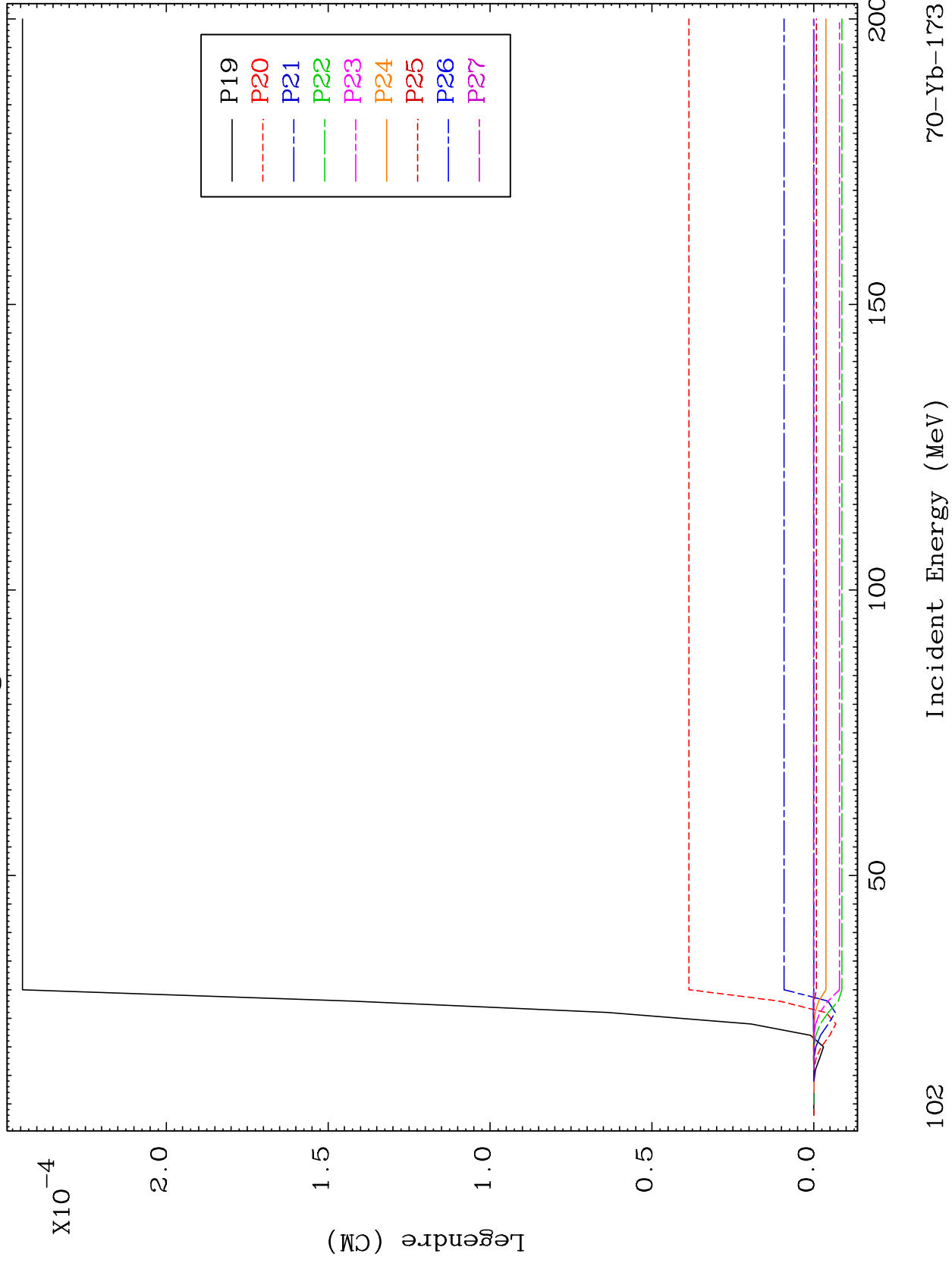




MAT 7040

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

70-Yb-173

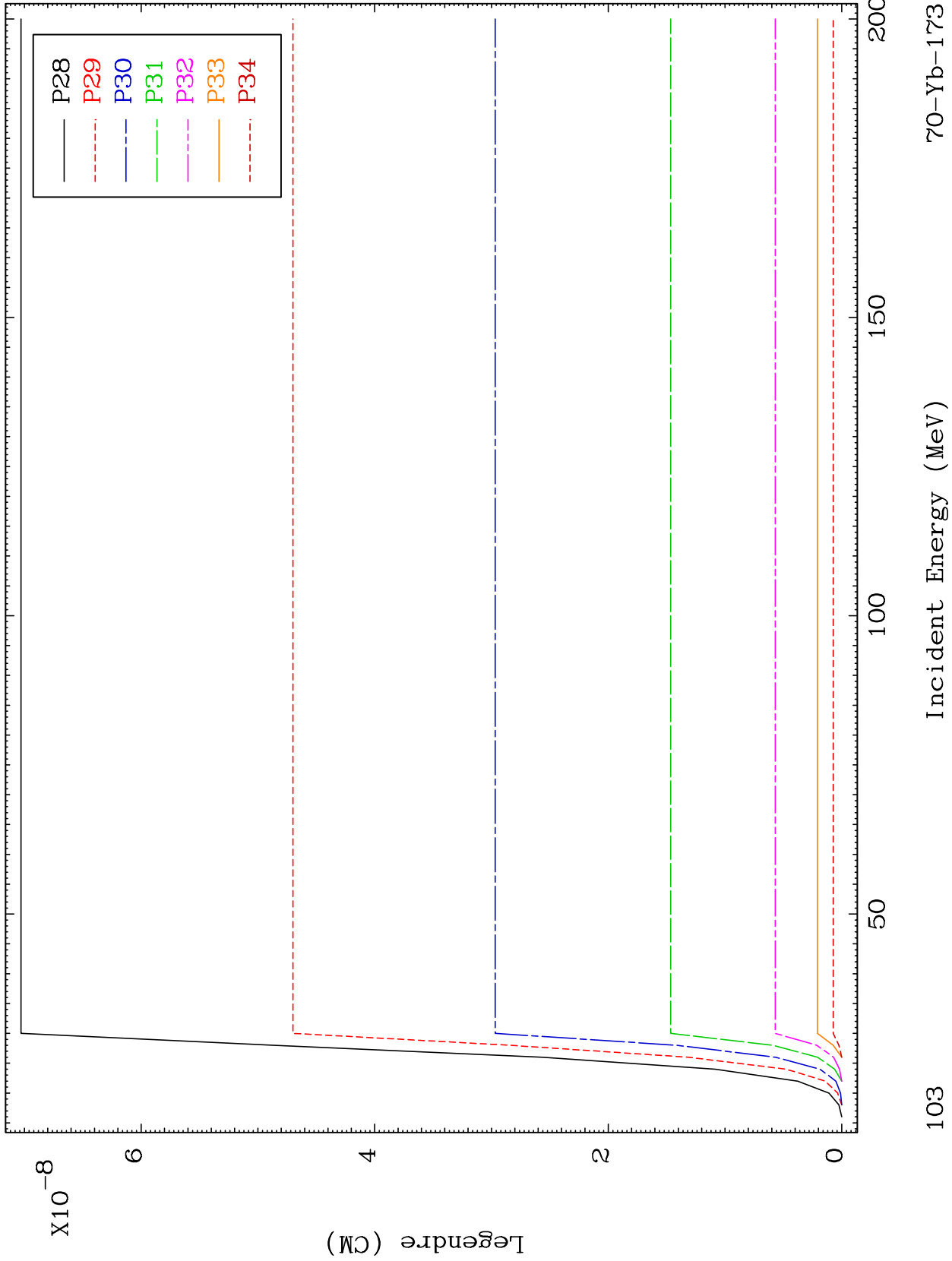


102

MAT 7040

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

70-Yb-173

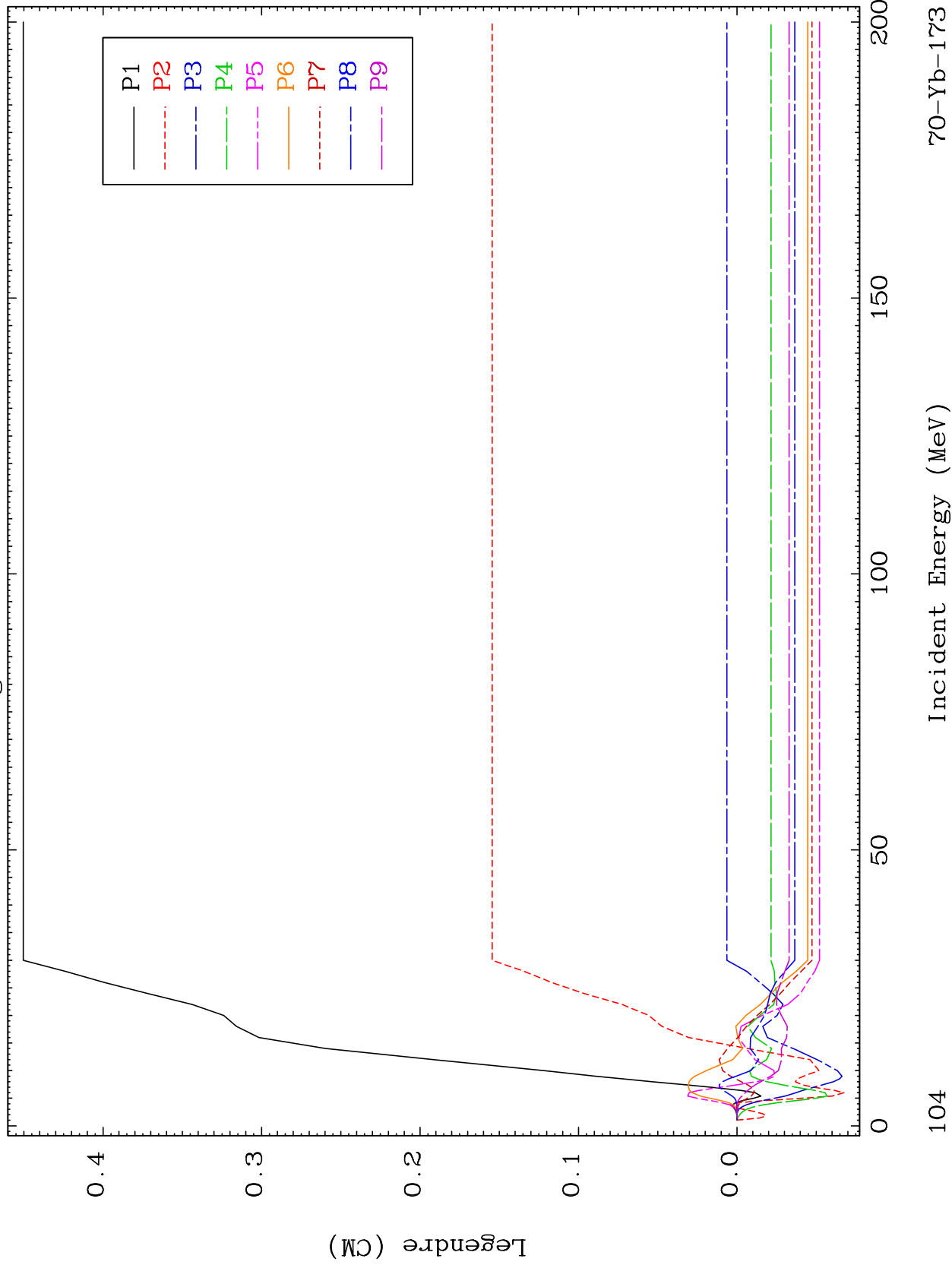




MAT 7040

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

70-Yb-173



70-Yb-173

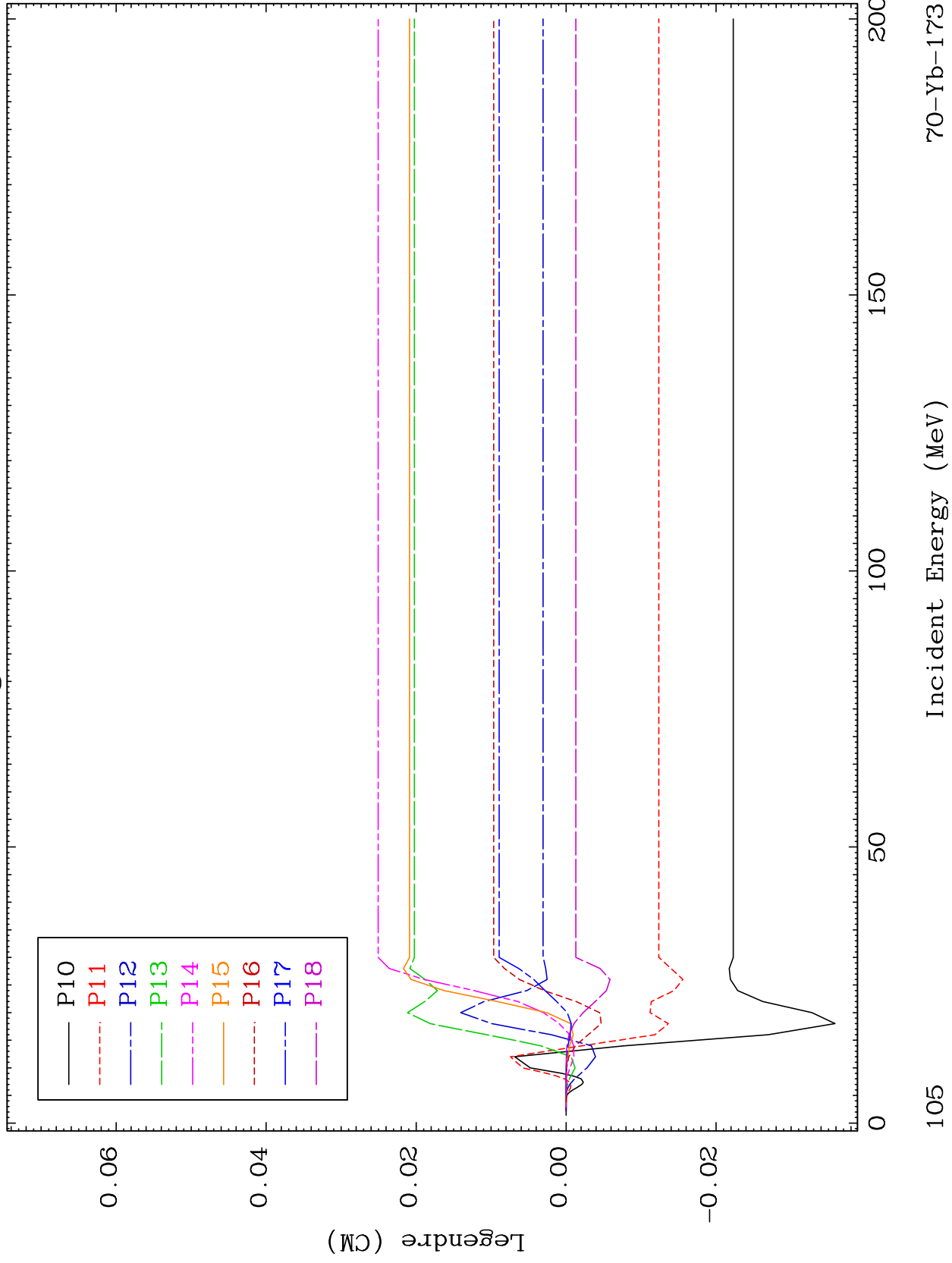
Incident Energy (MeV)

104

MAT 7040

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

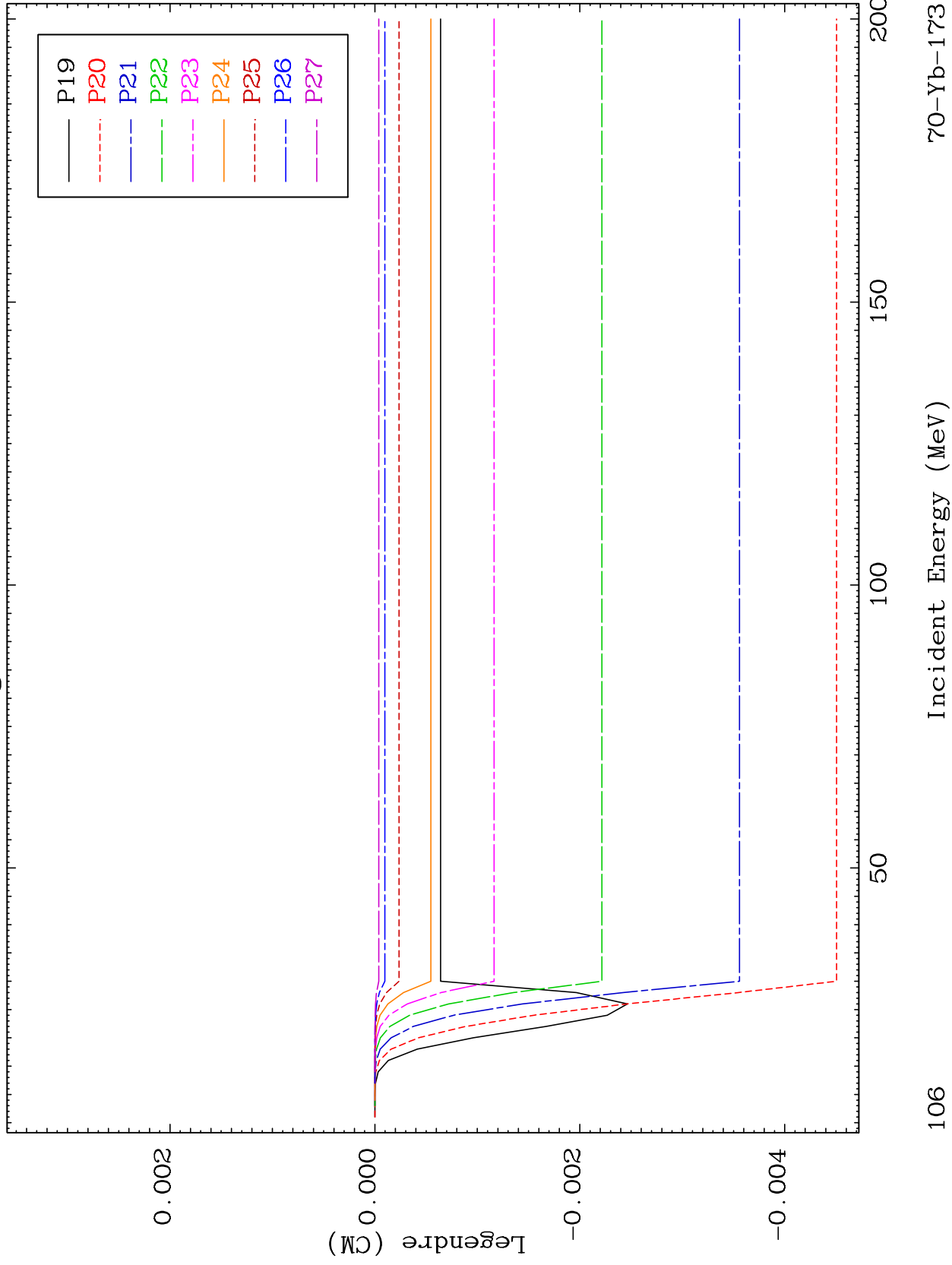
70-Yb-173



MAT 7040

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

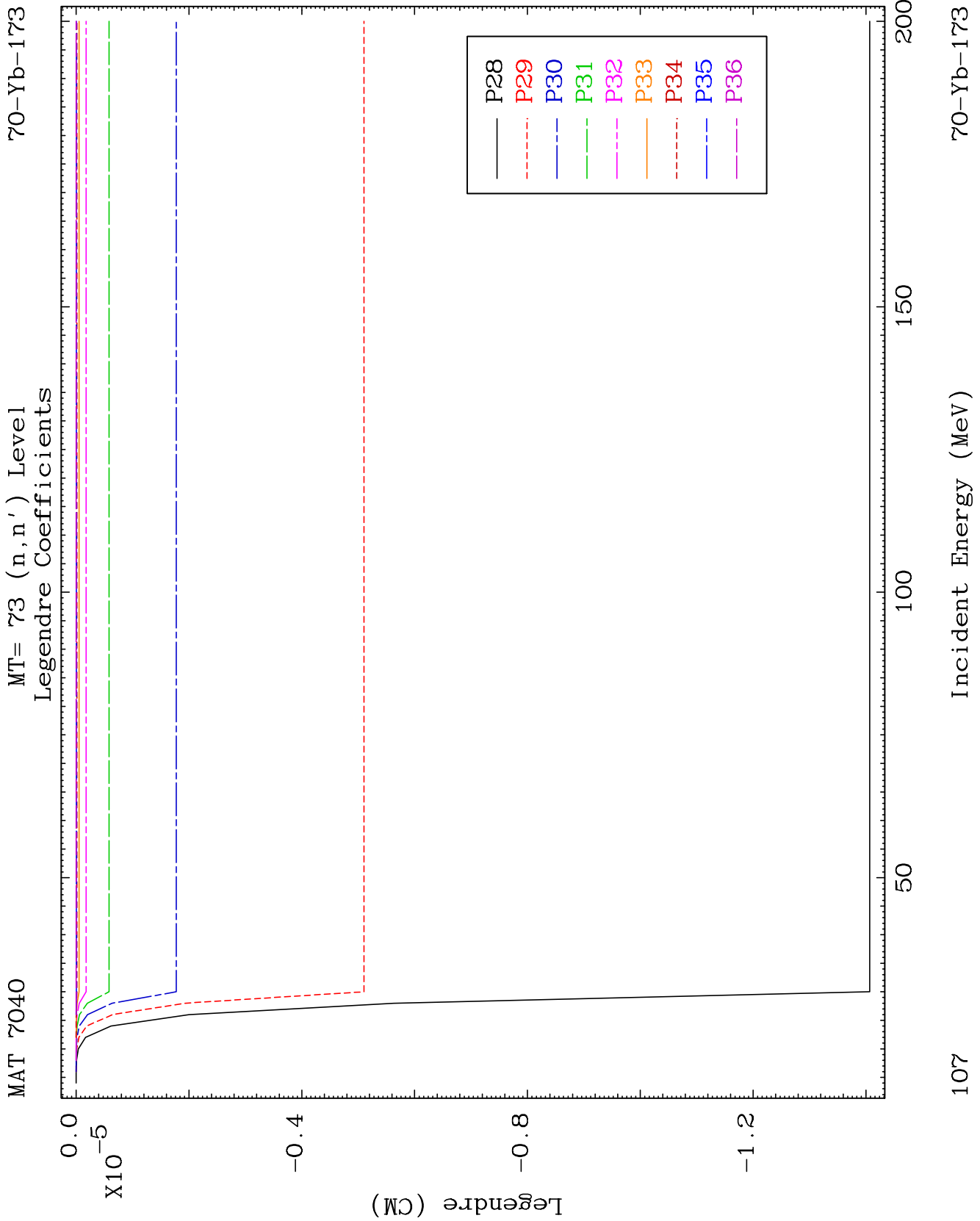
70-Yb-173

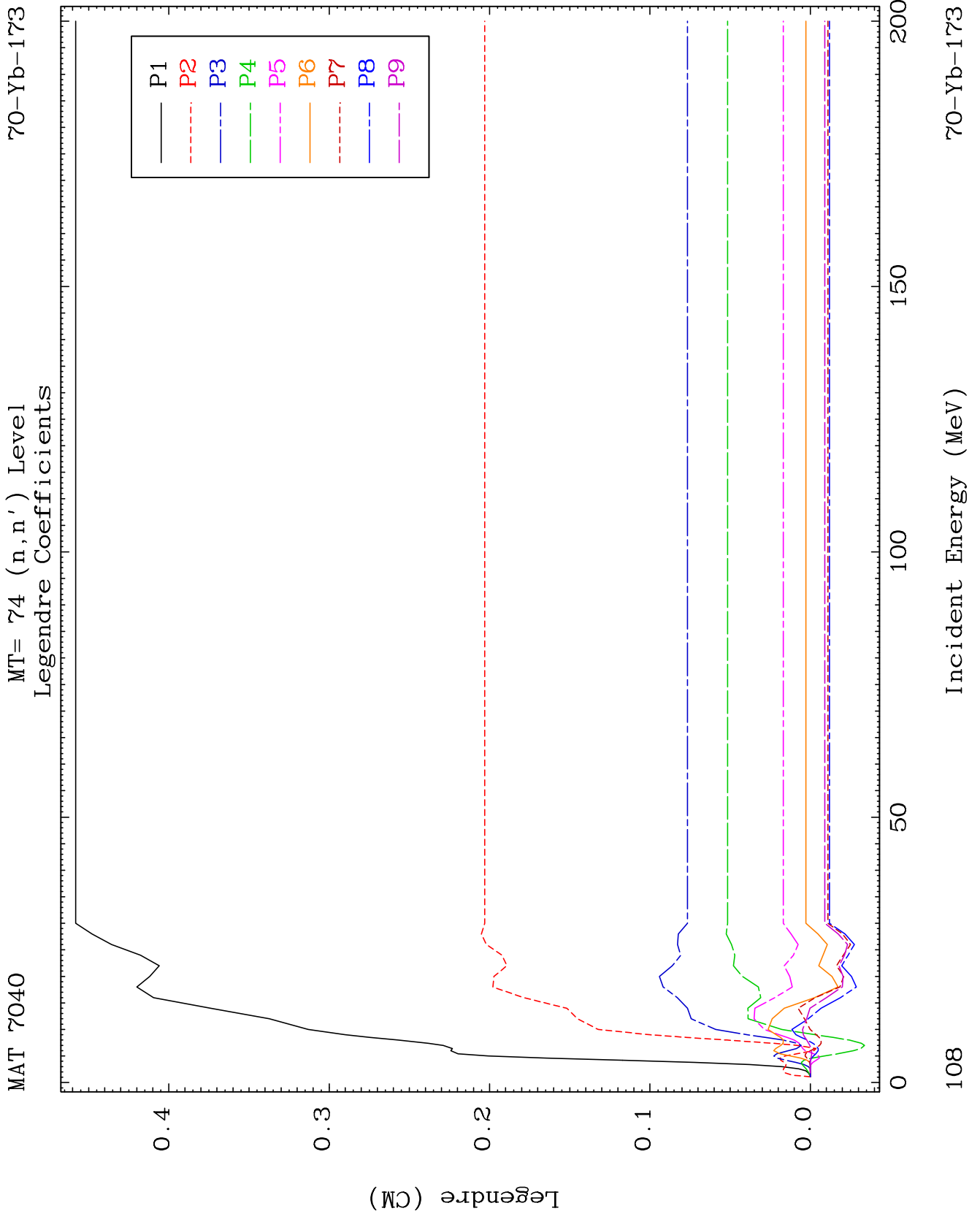


106

Incident Energy (MeV)

70-Yb-173

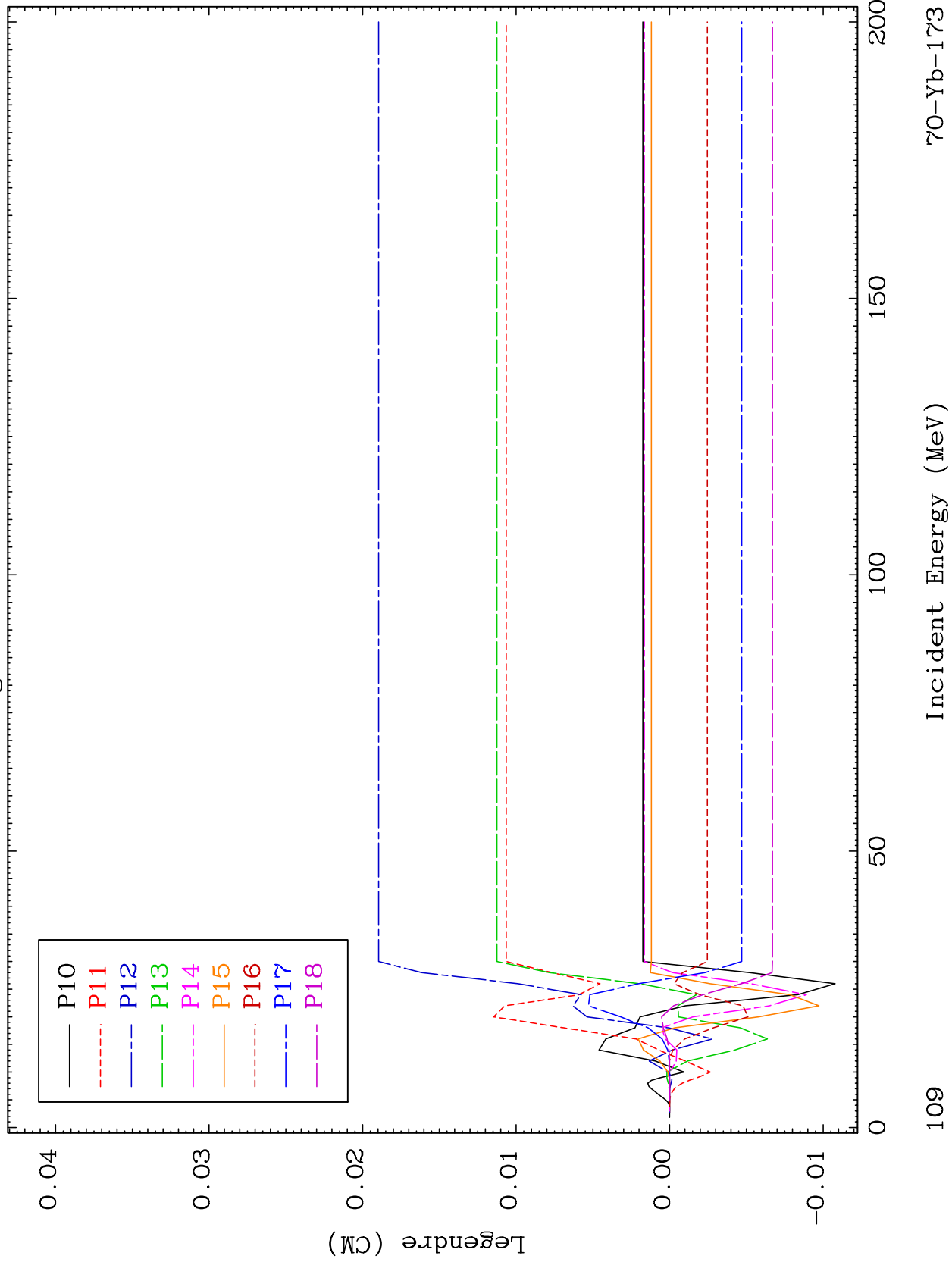




MAT 7040

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

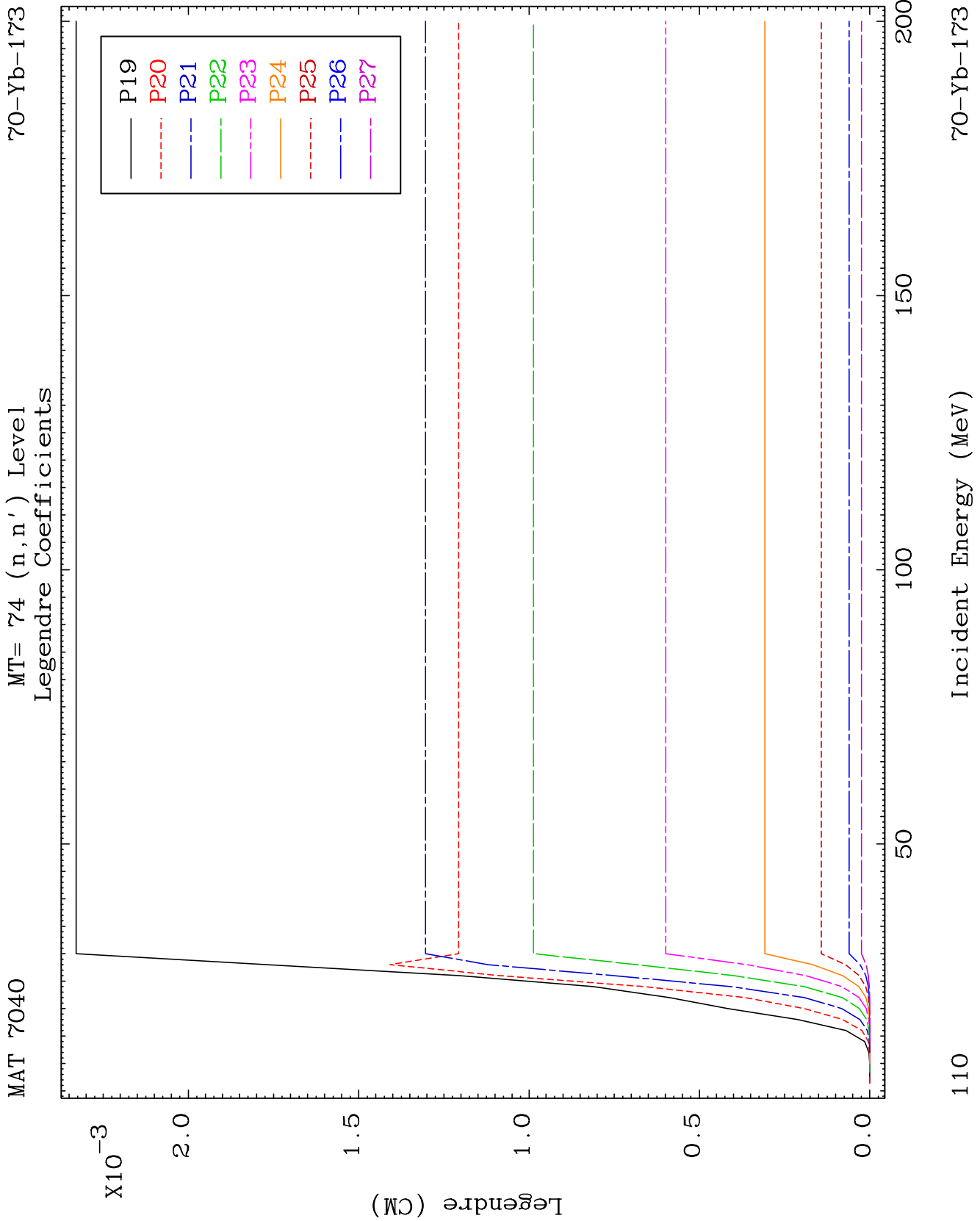
70-Yb-173



70-Yb-173

Incident Energy (MeV)

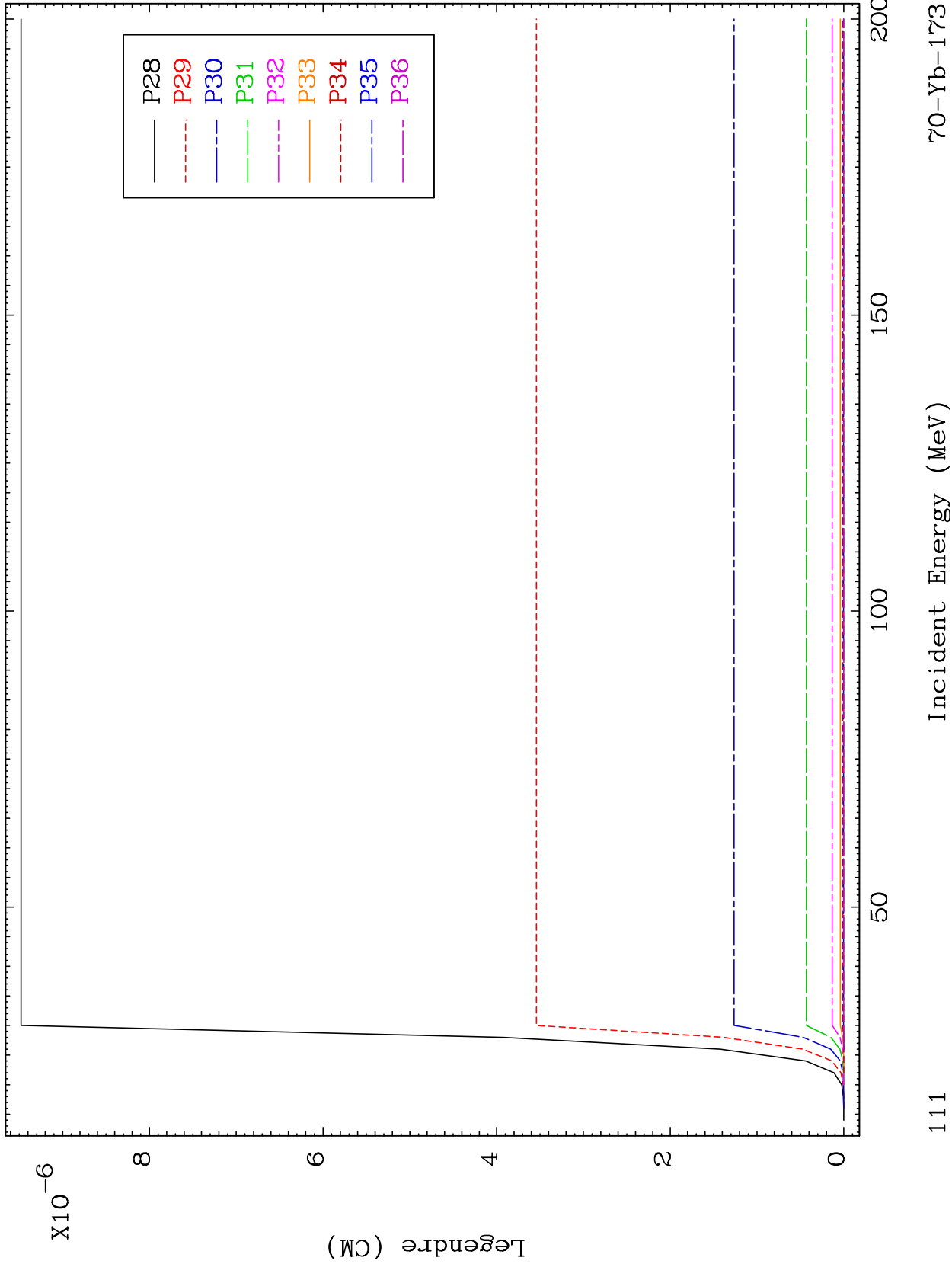
109



MAT 7040

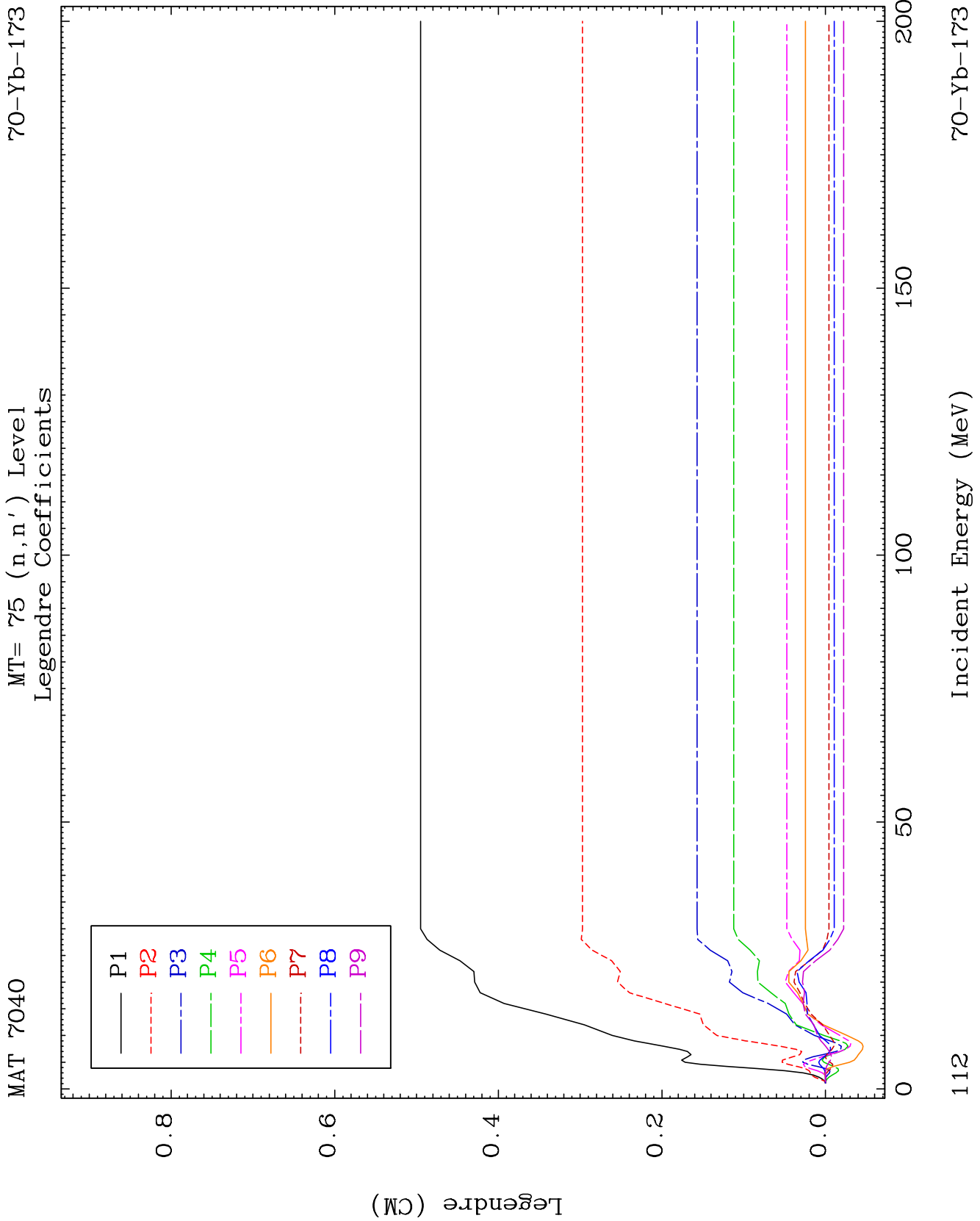
MT= 74 (n,n') Level  
Legendre Coefficients

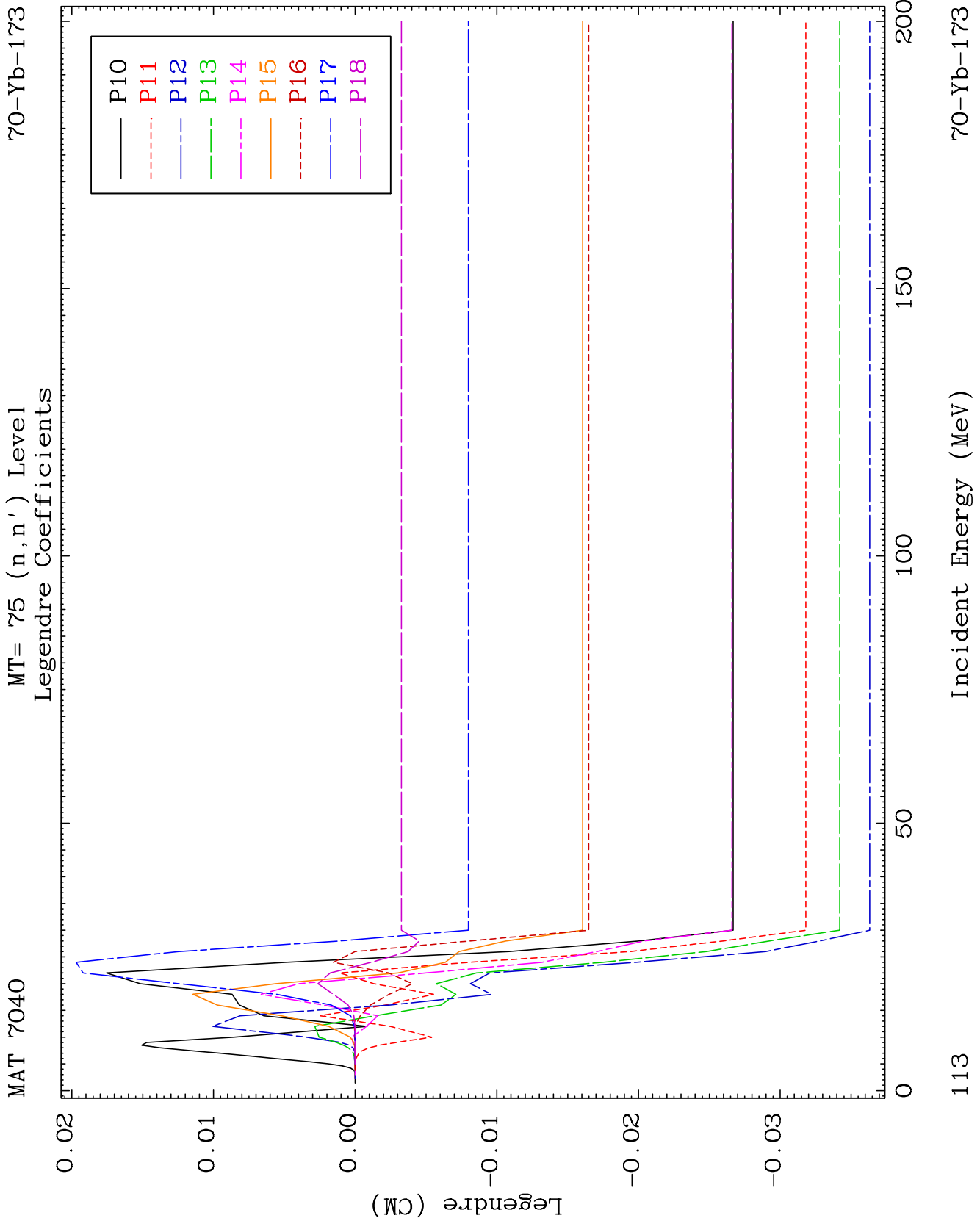
70-Yb-173

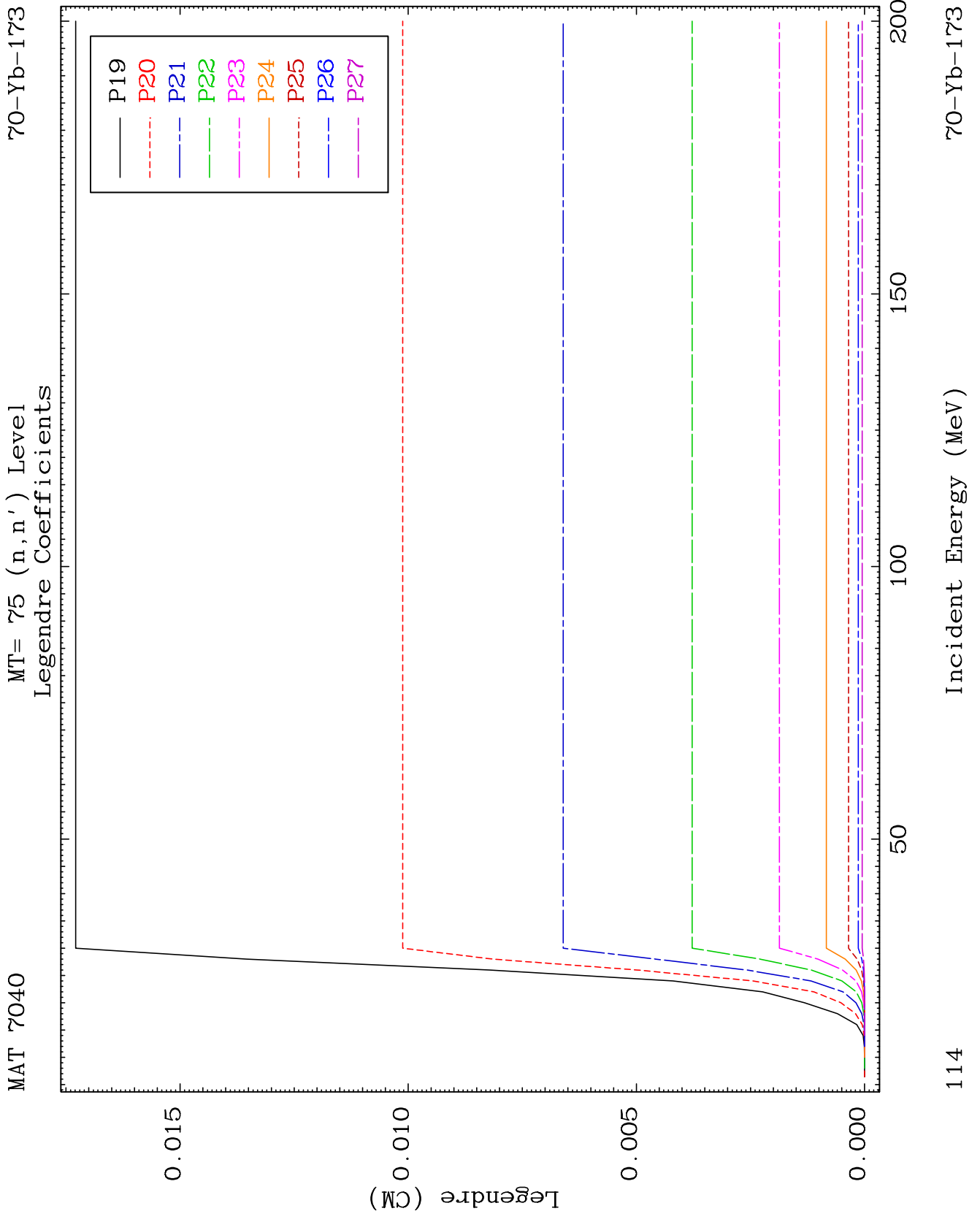


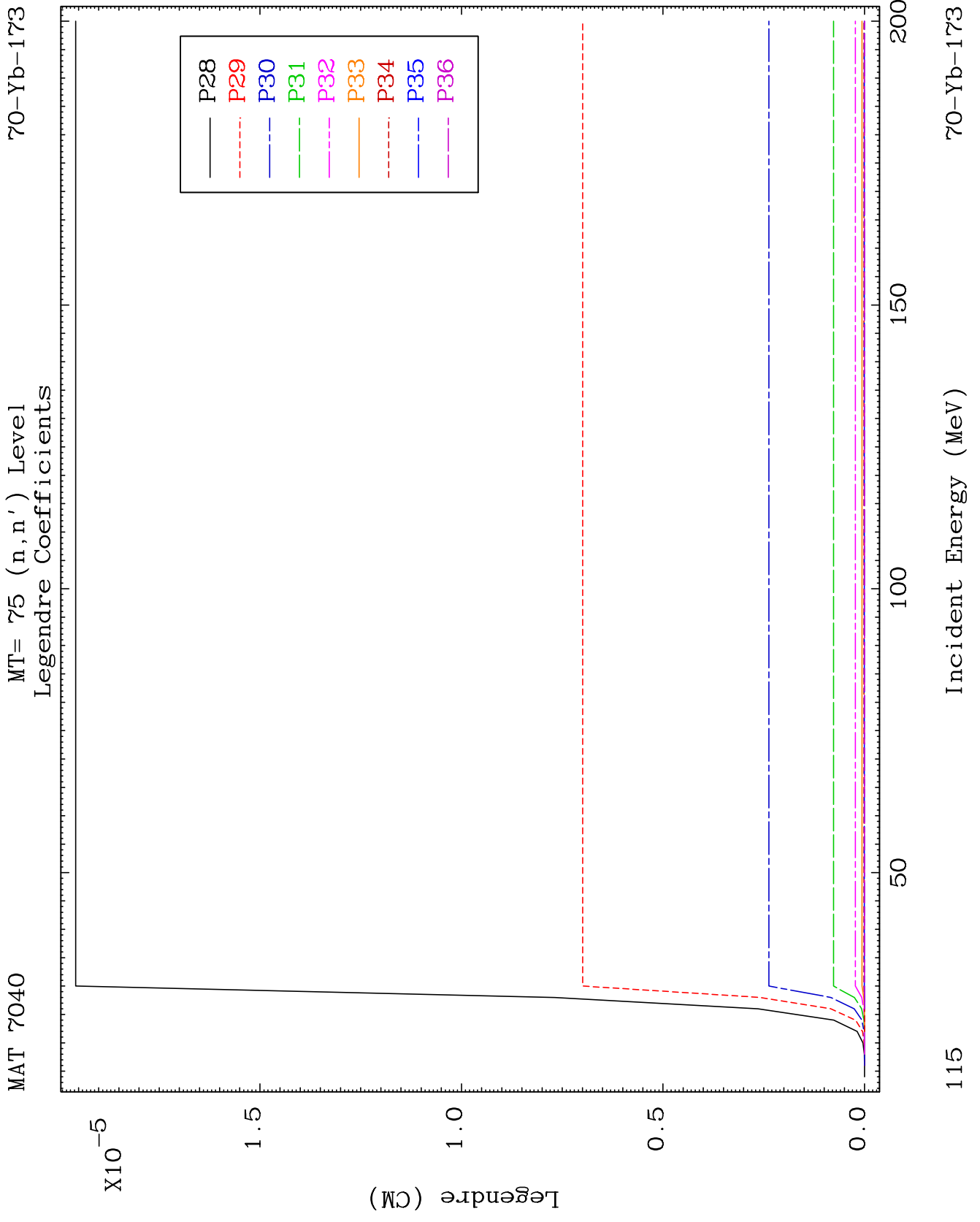
111







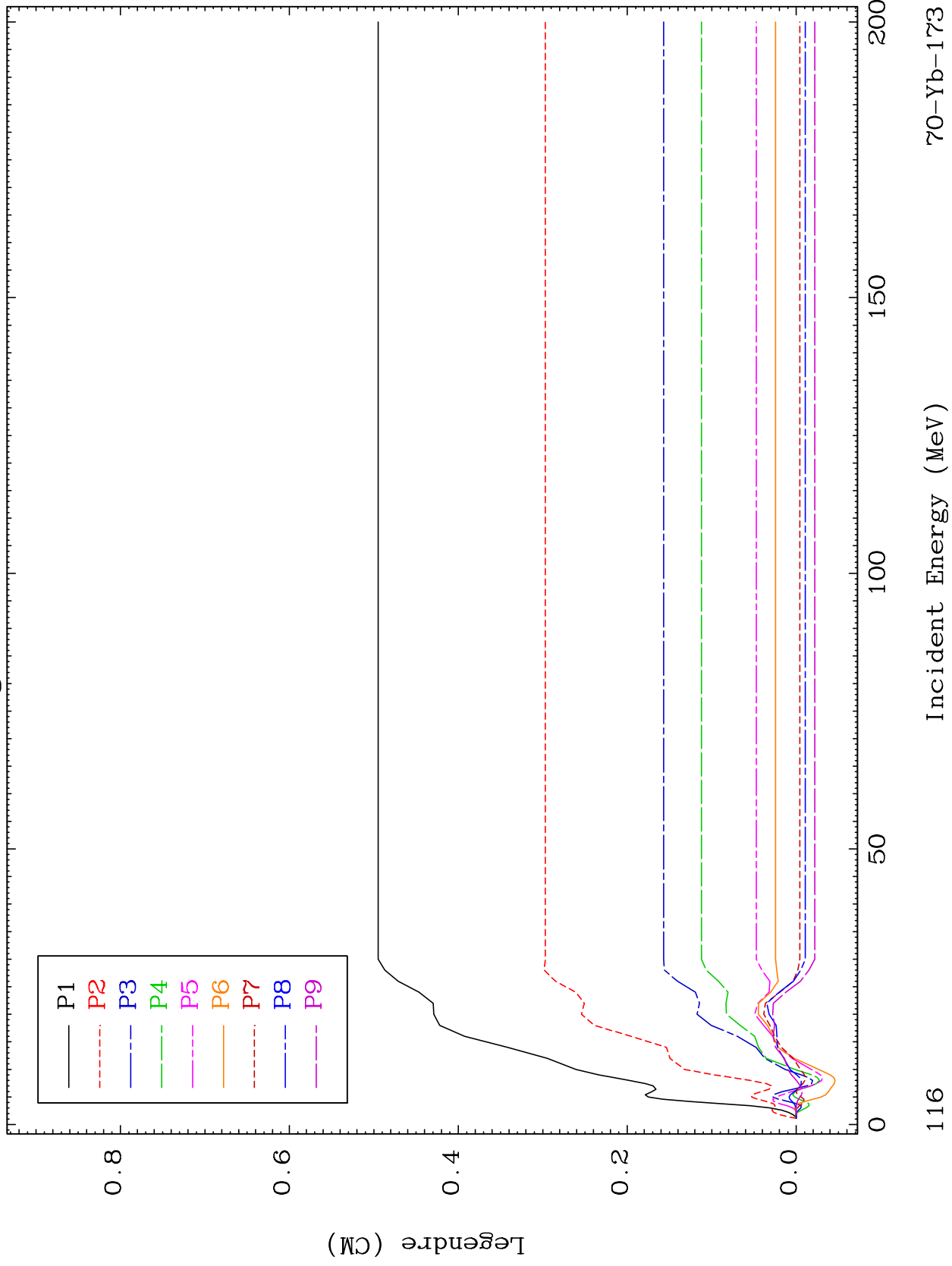




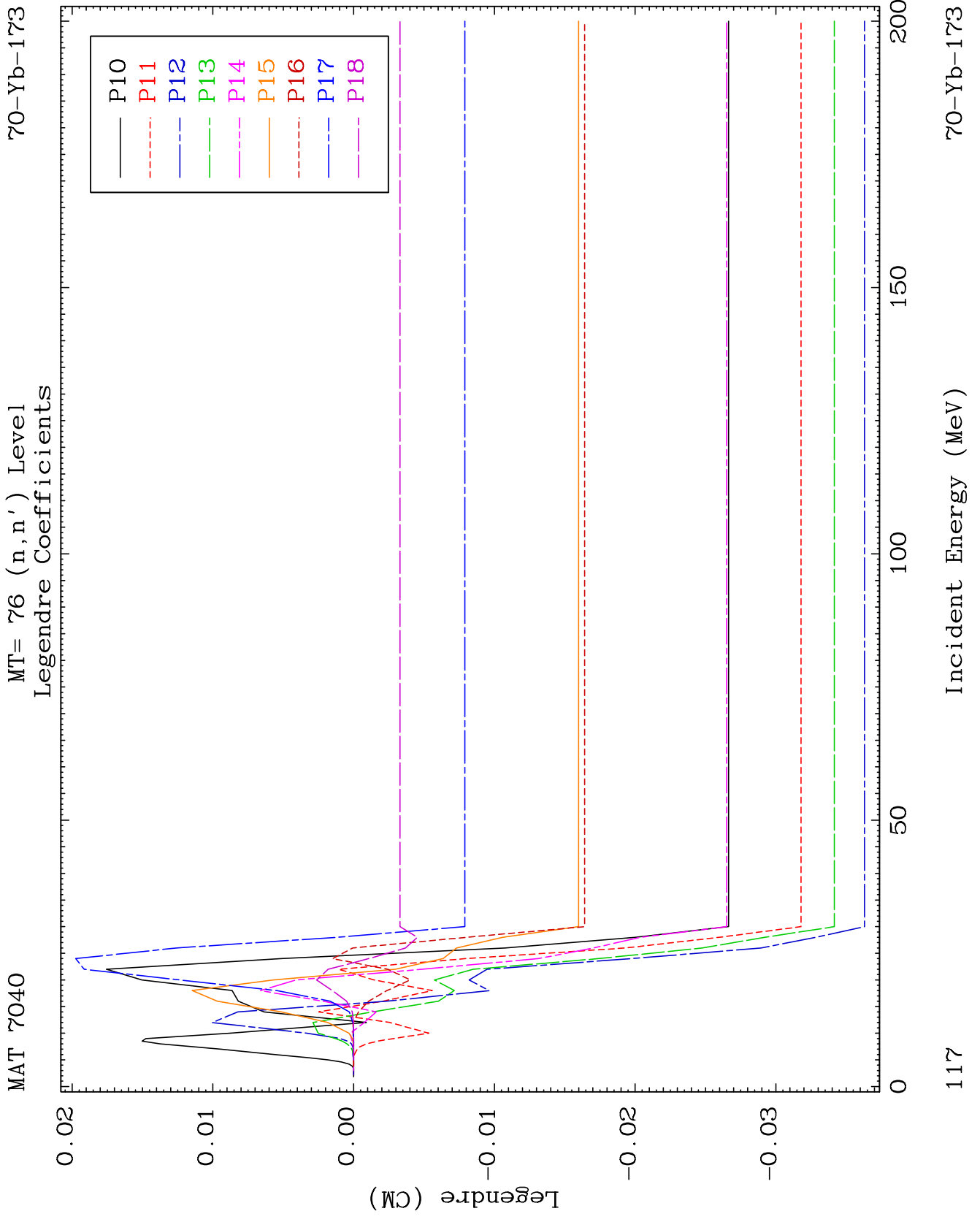
MAT 7040

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

70-Yb-173



116

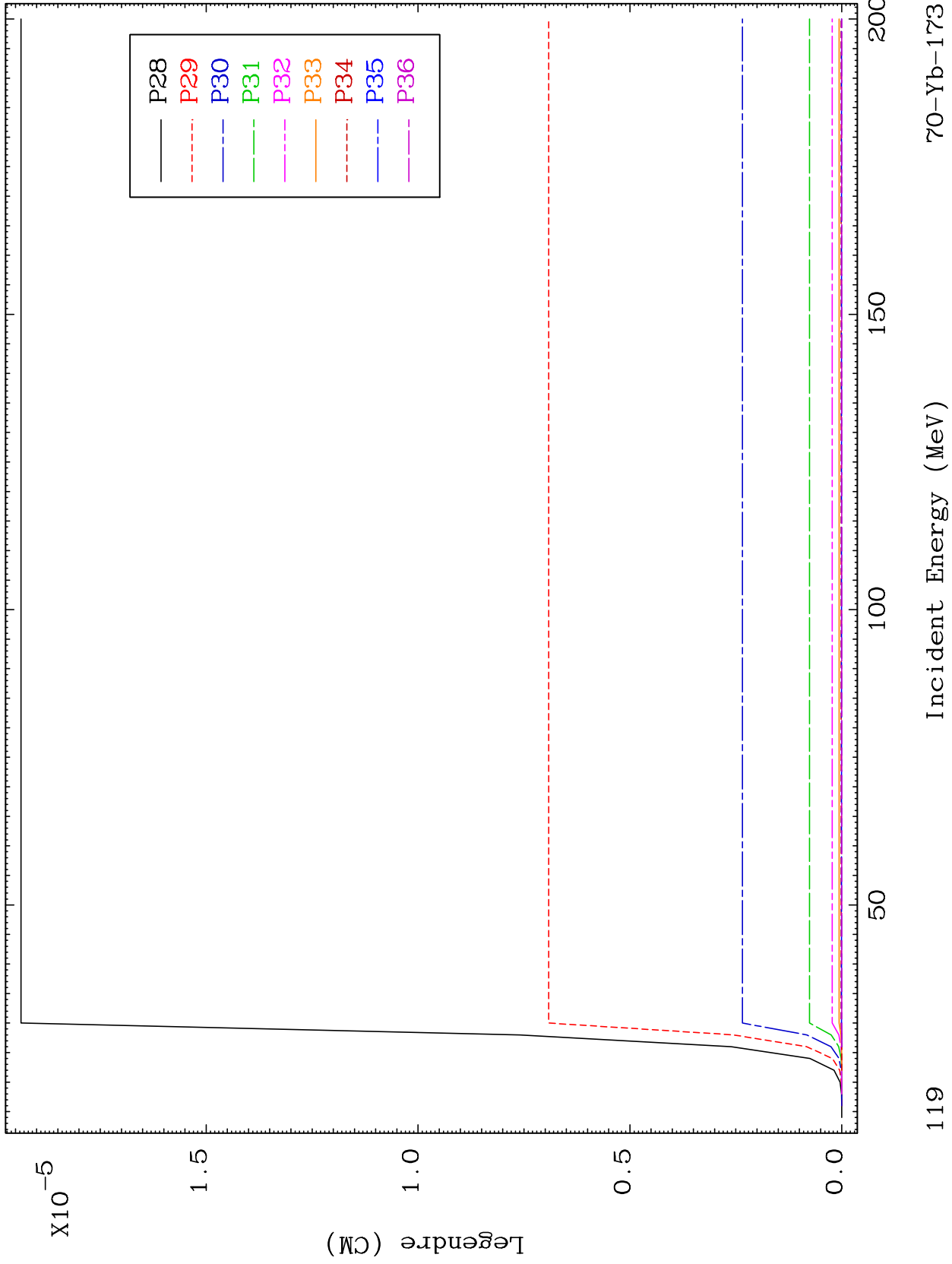




MAT 7040

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

70-Yb-173



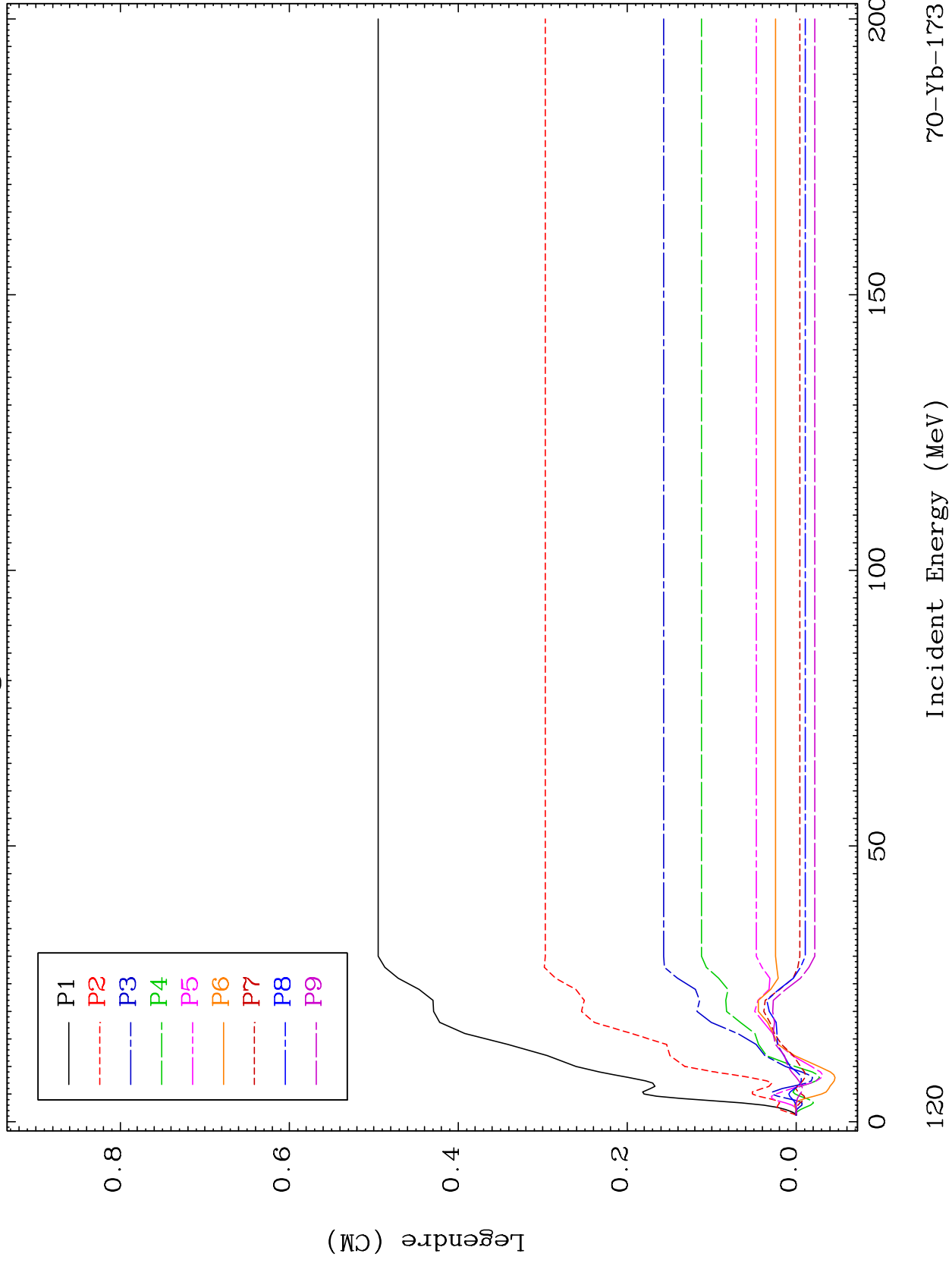
119

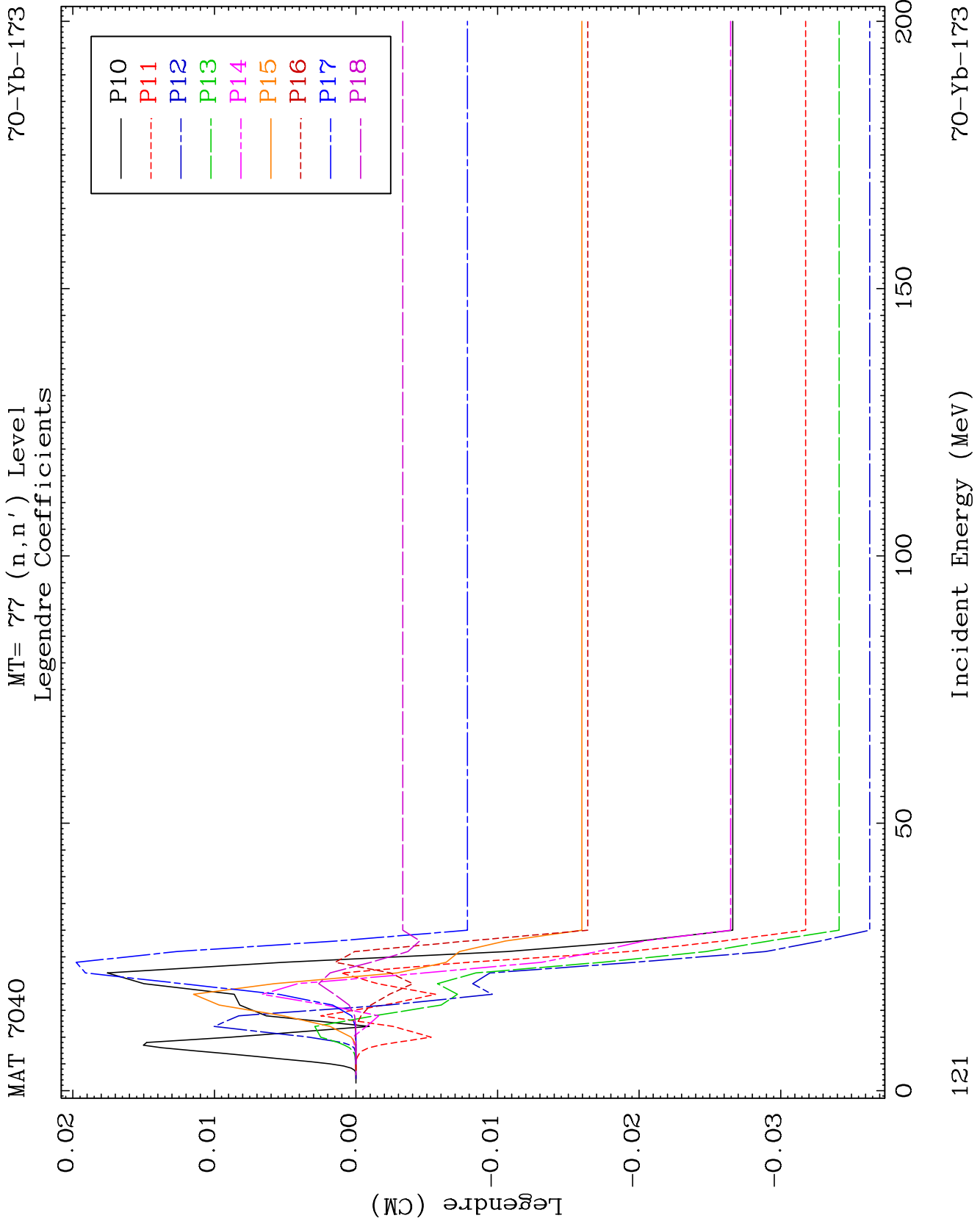


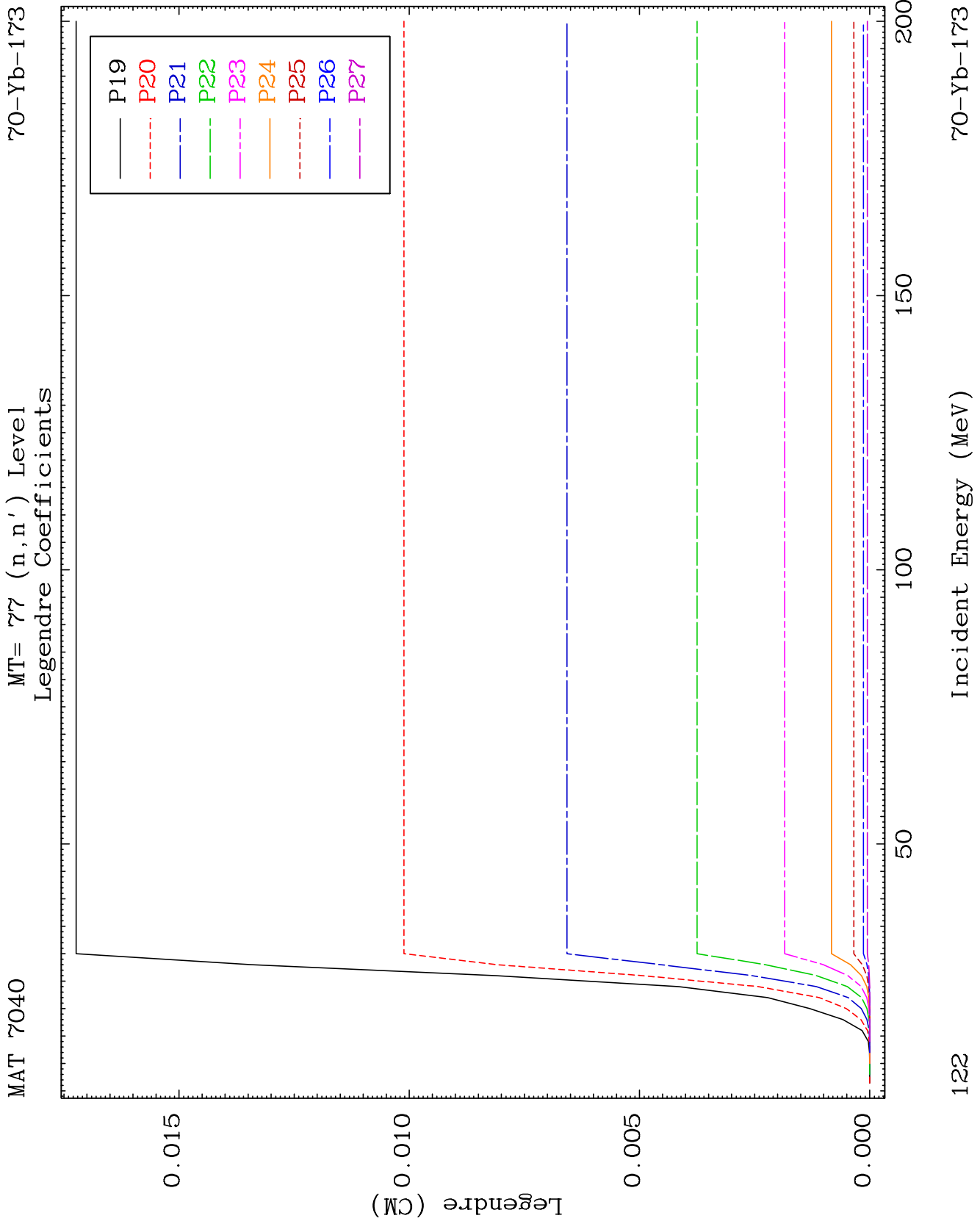
MAT 7040

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

70-Yb-173



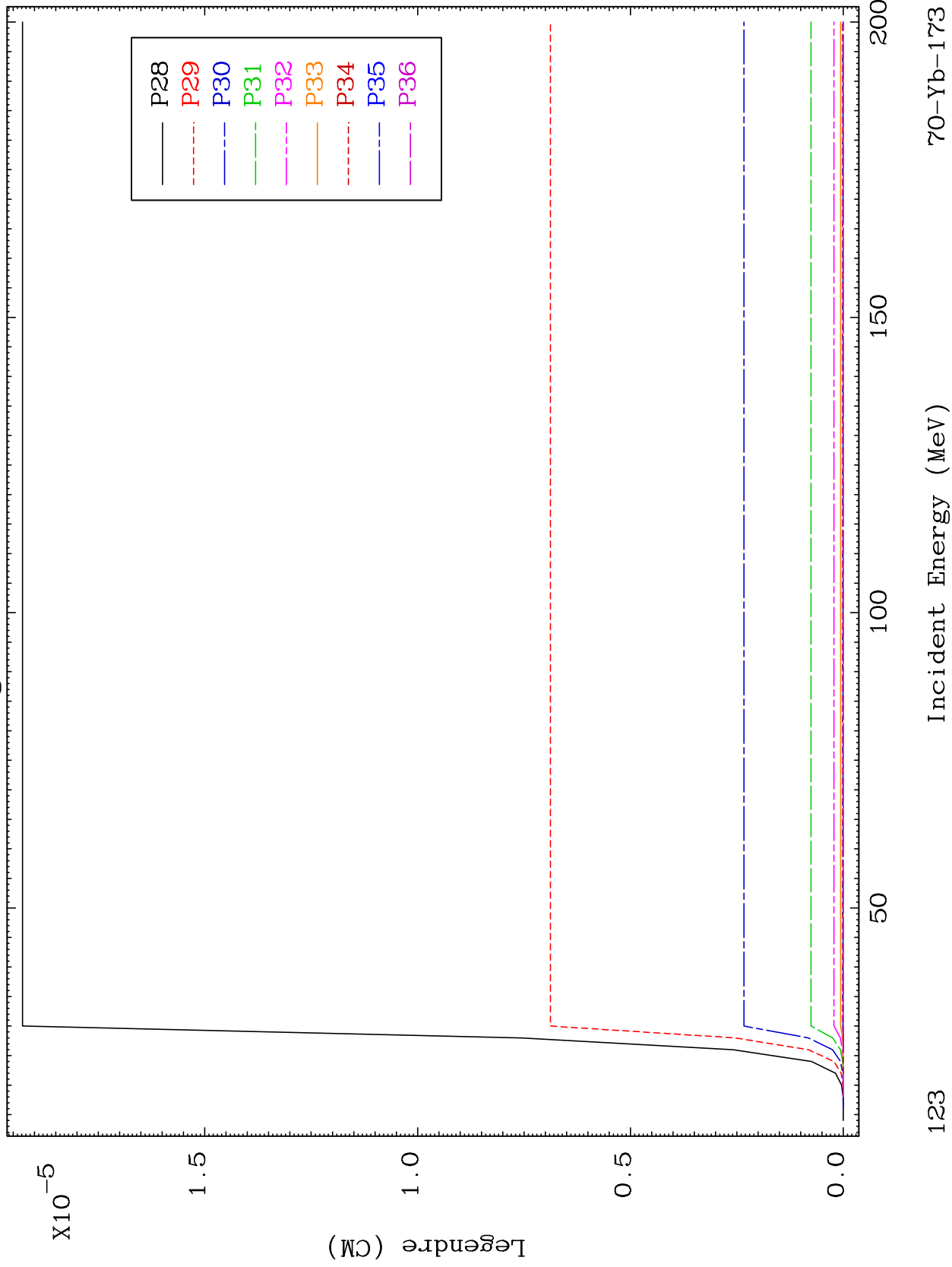




MAT 7040

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

70-Yb-173

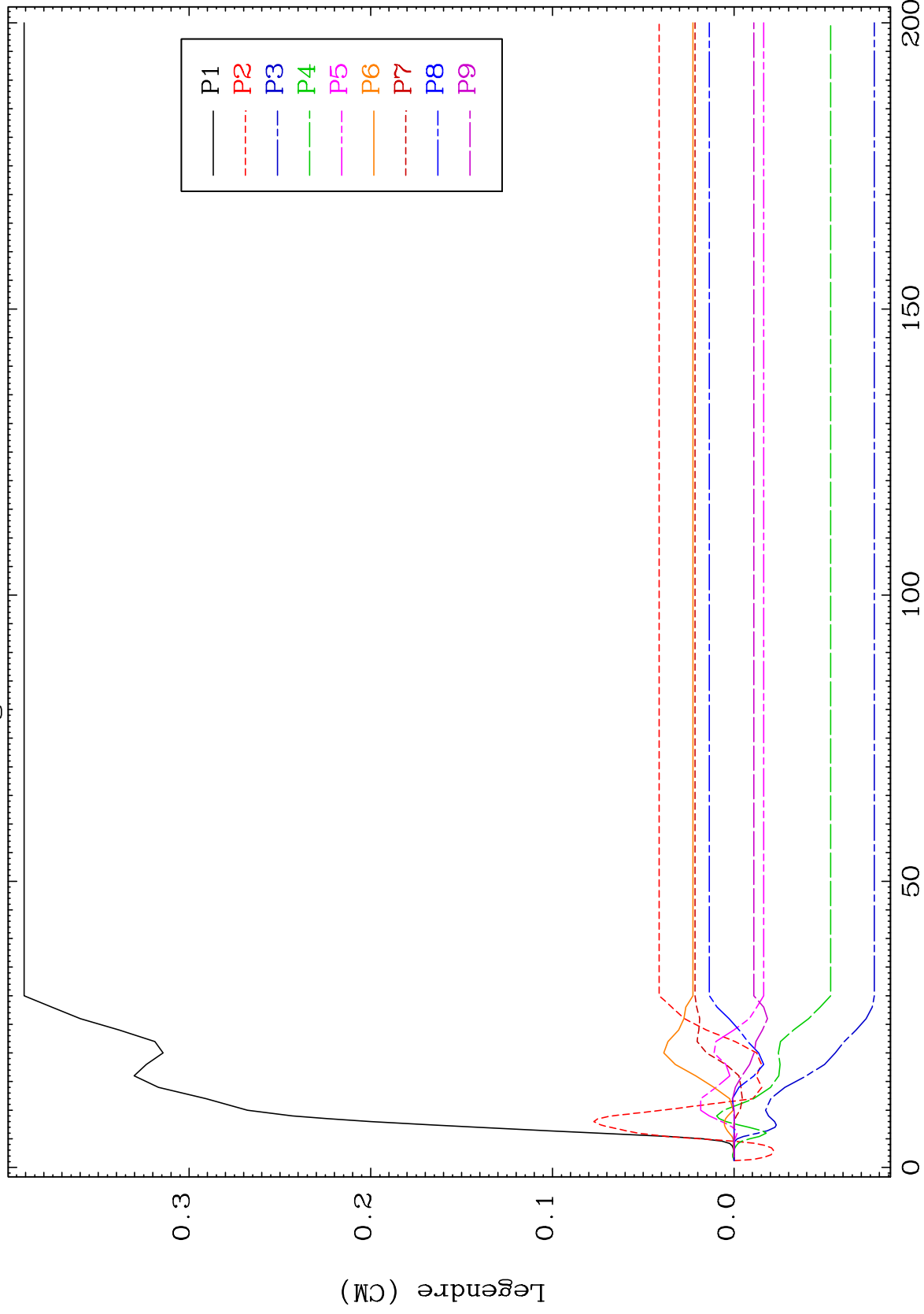


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MAT 7040

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

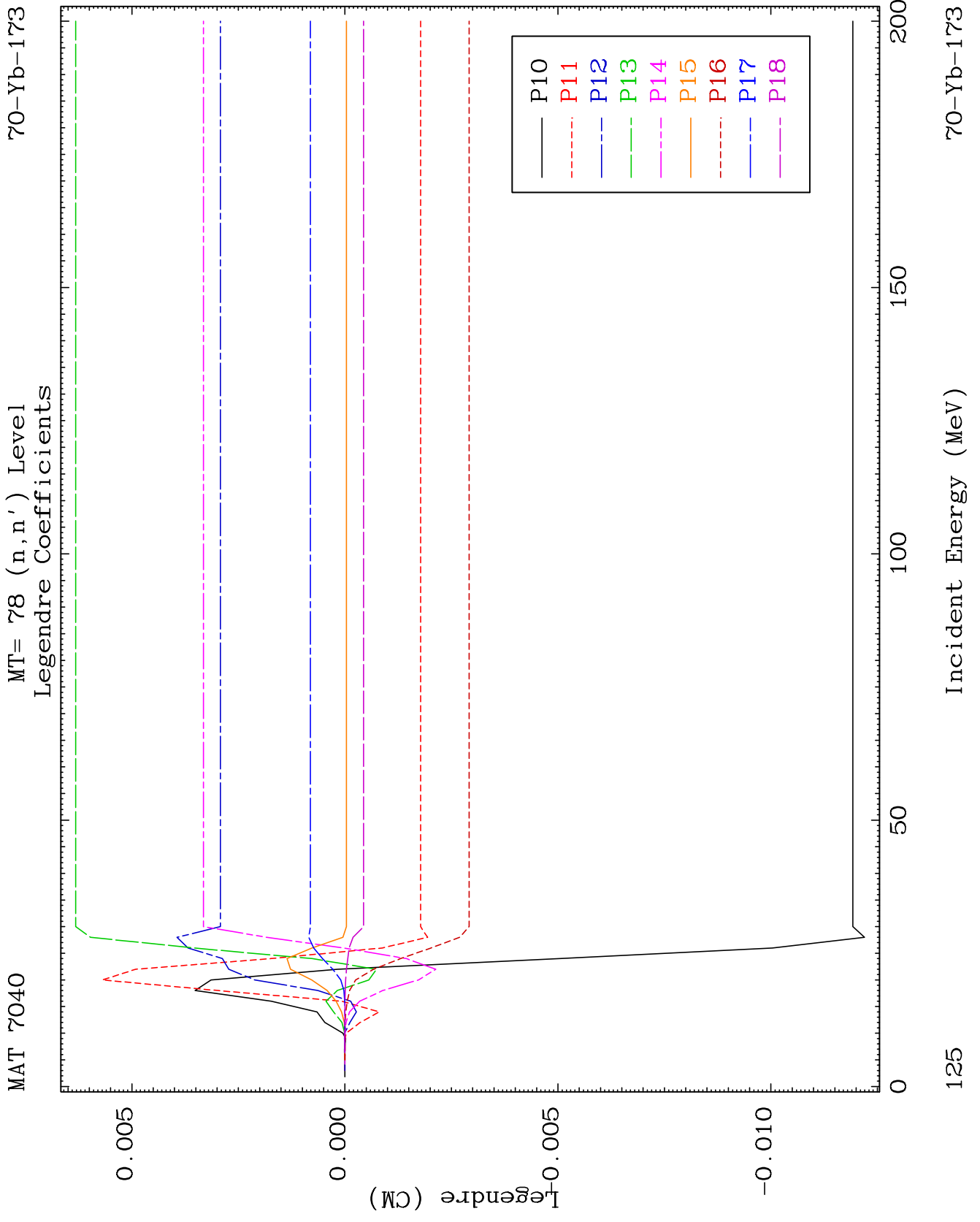
70-Yb-173



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Incident Energy (MeV)

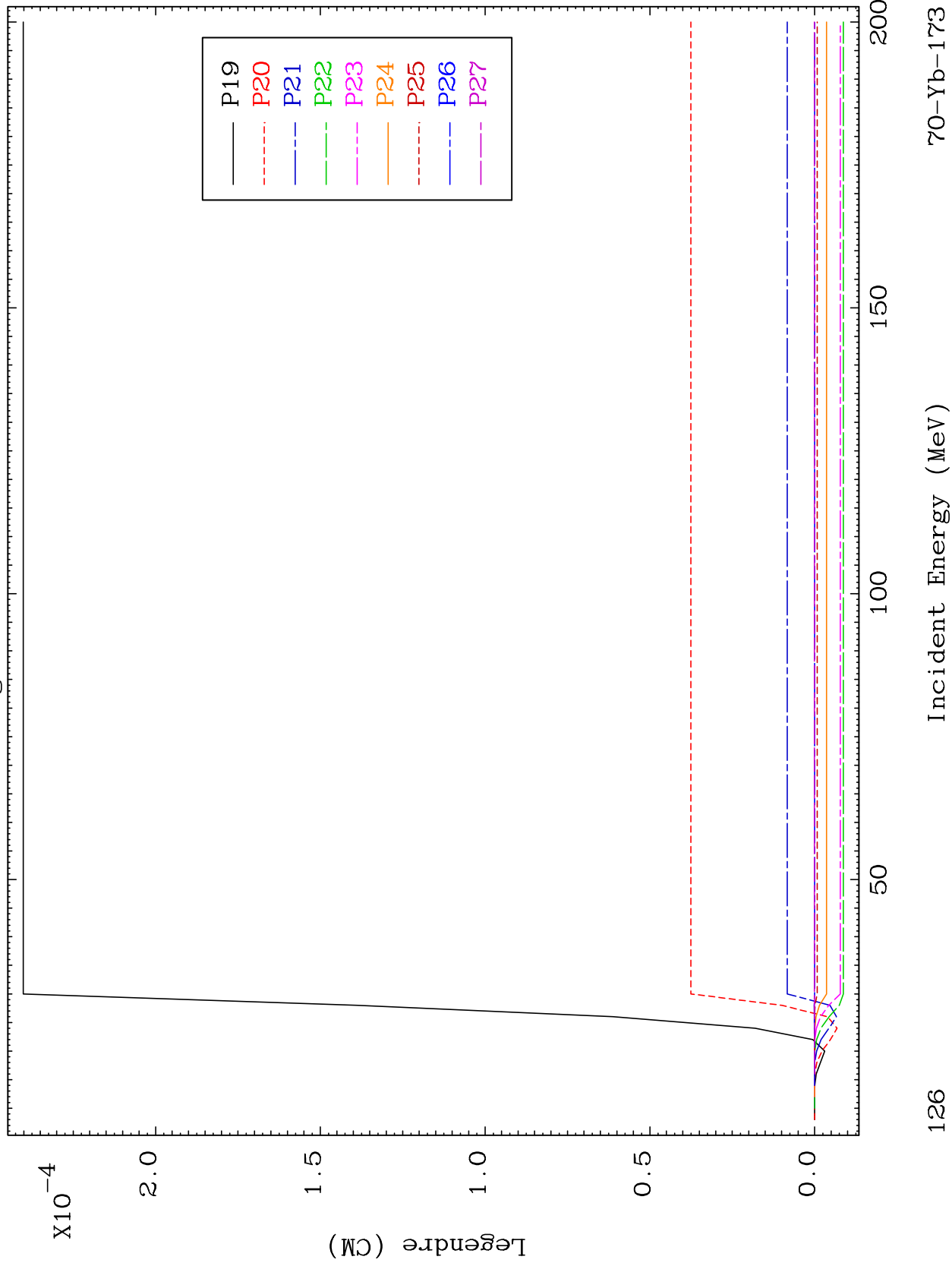
70-Yb-173



MAT 7040

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

70-Yb-173



126

Incident Energy (MeV)

70-Yb-173

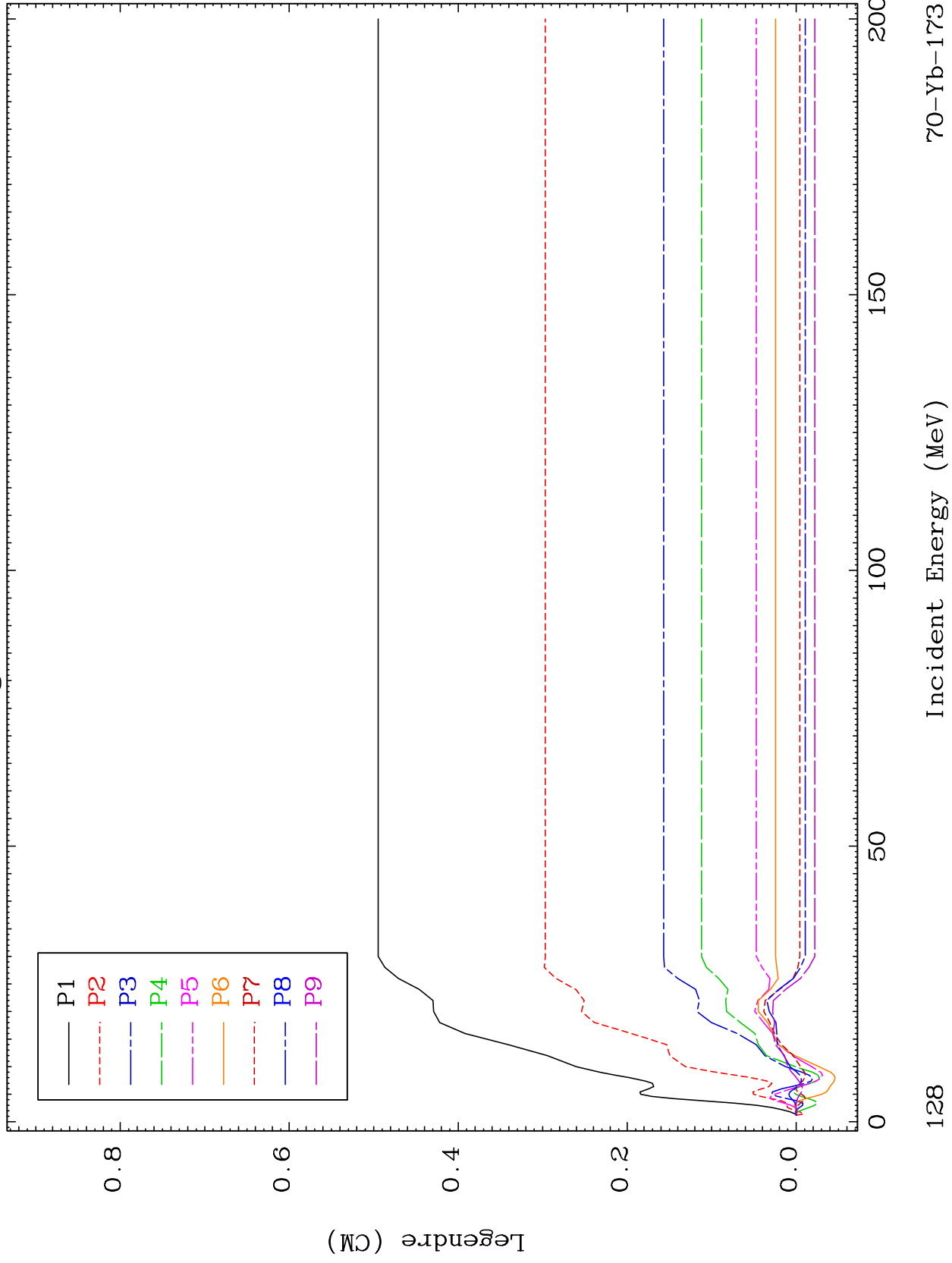




MAT 7040

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

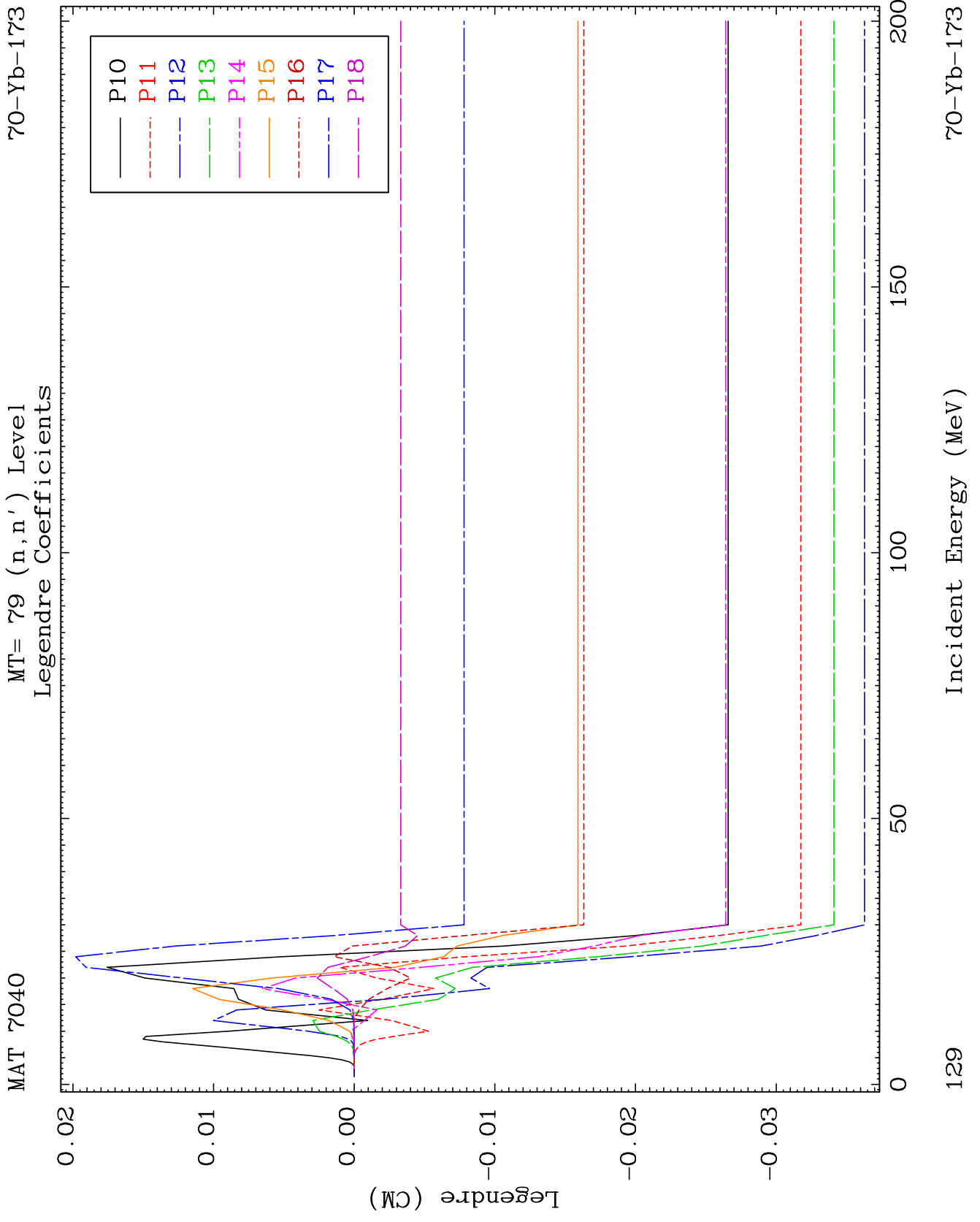
70-Yb-173

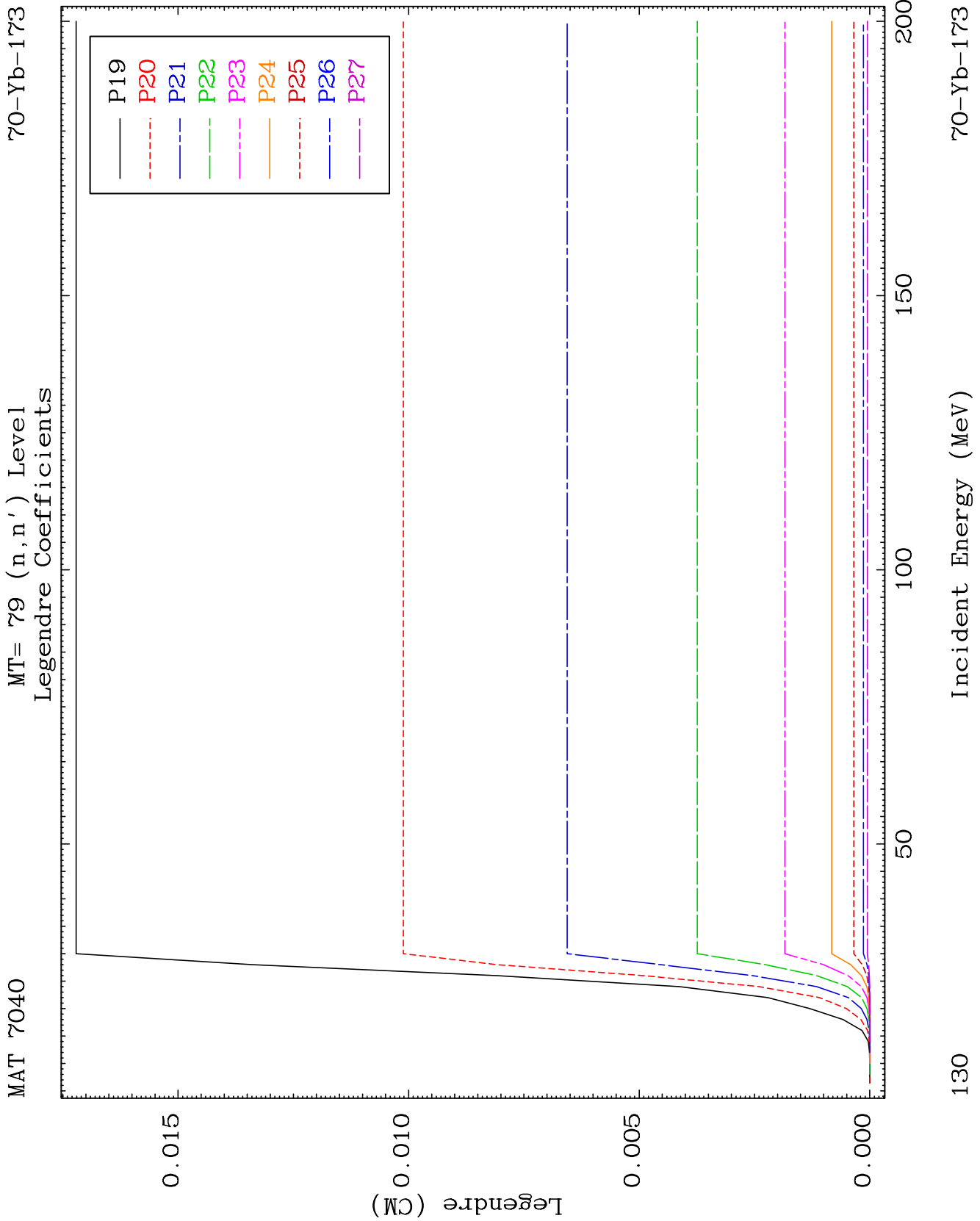


128

Incident Energy (MeV)

70-Yb-173

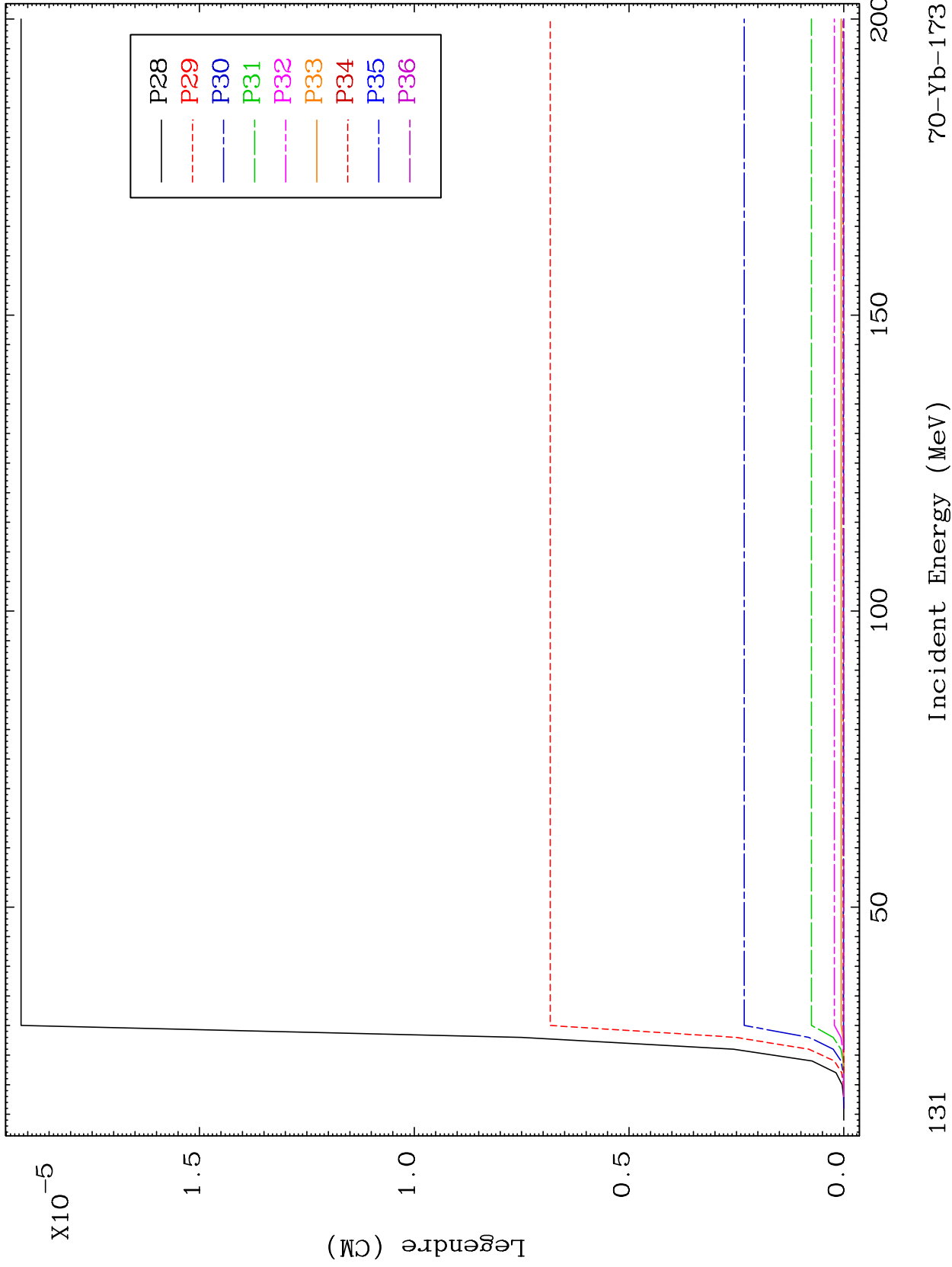




MAT 7040

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

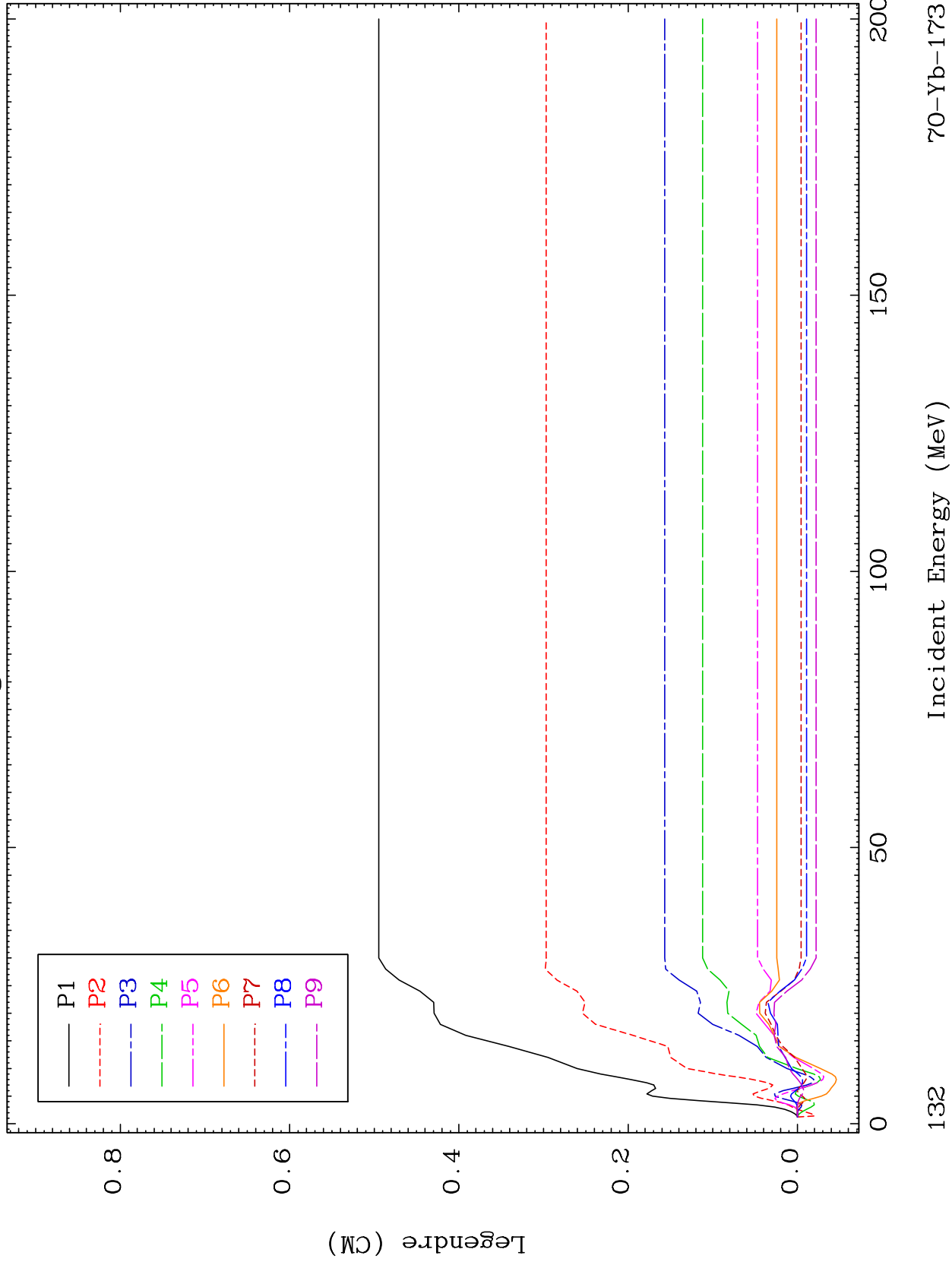
70-Yb-173



MAT 7040

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

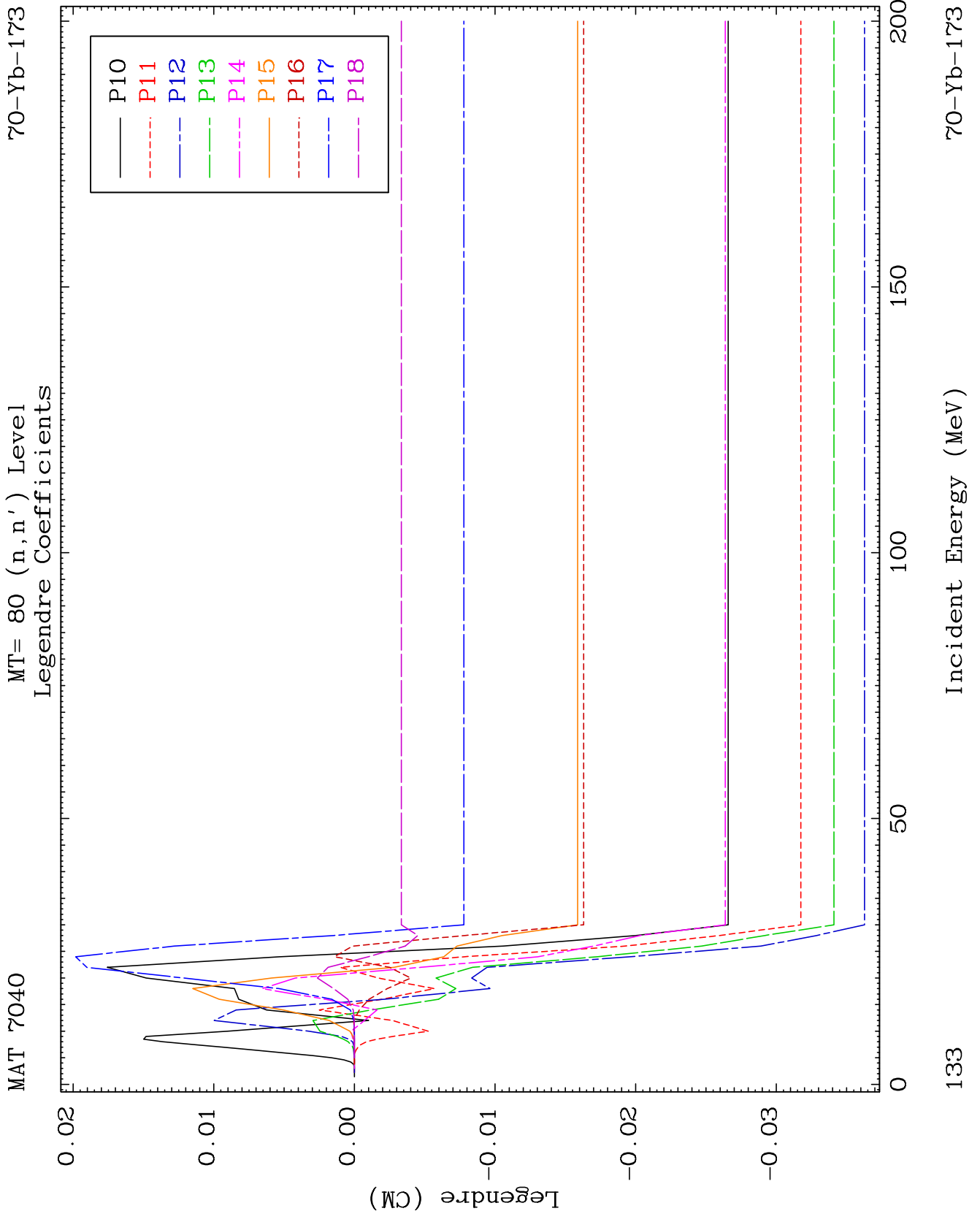
70-Yb-173

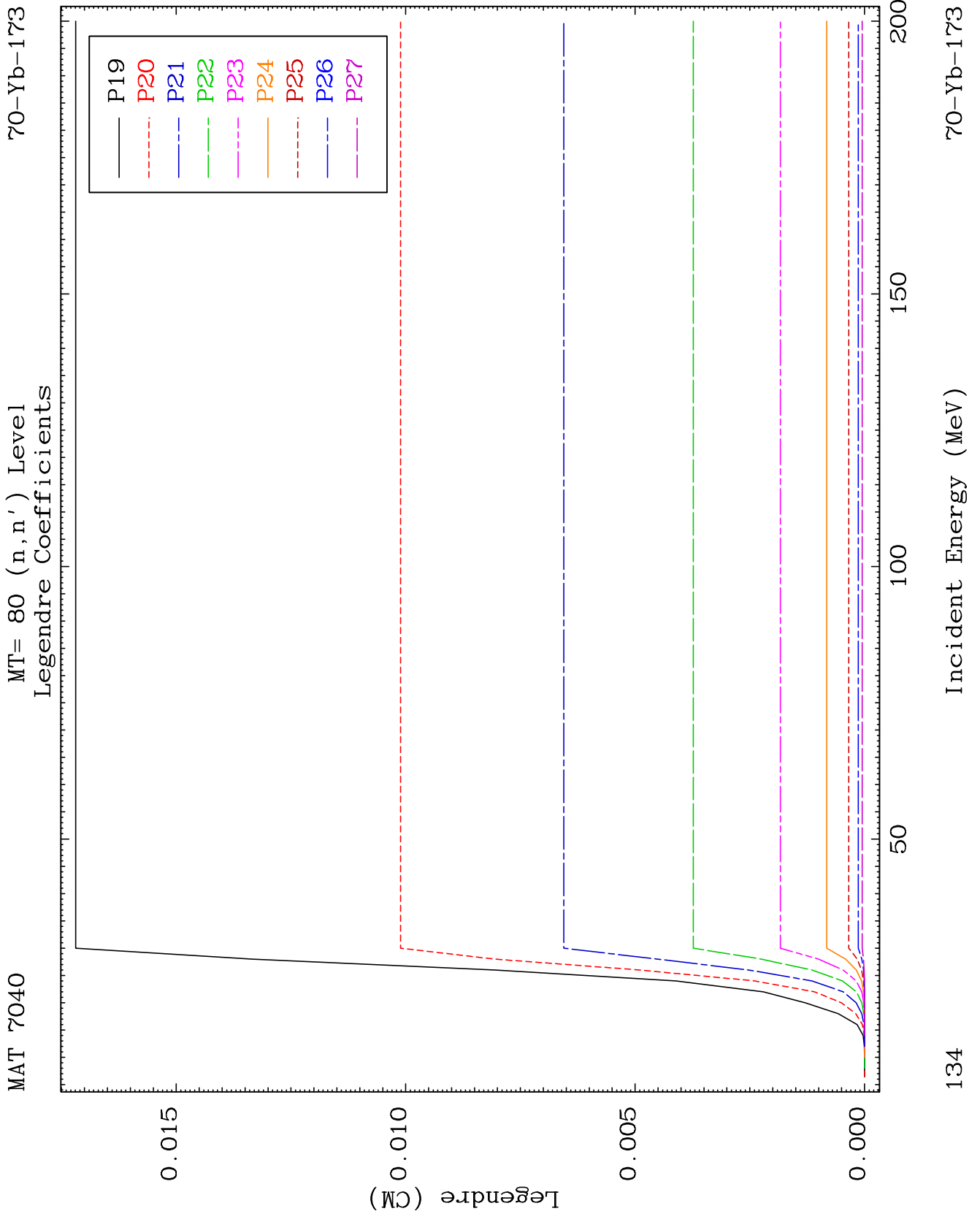


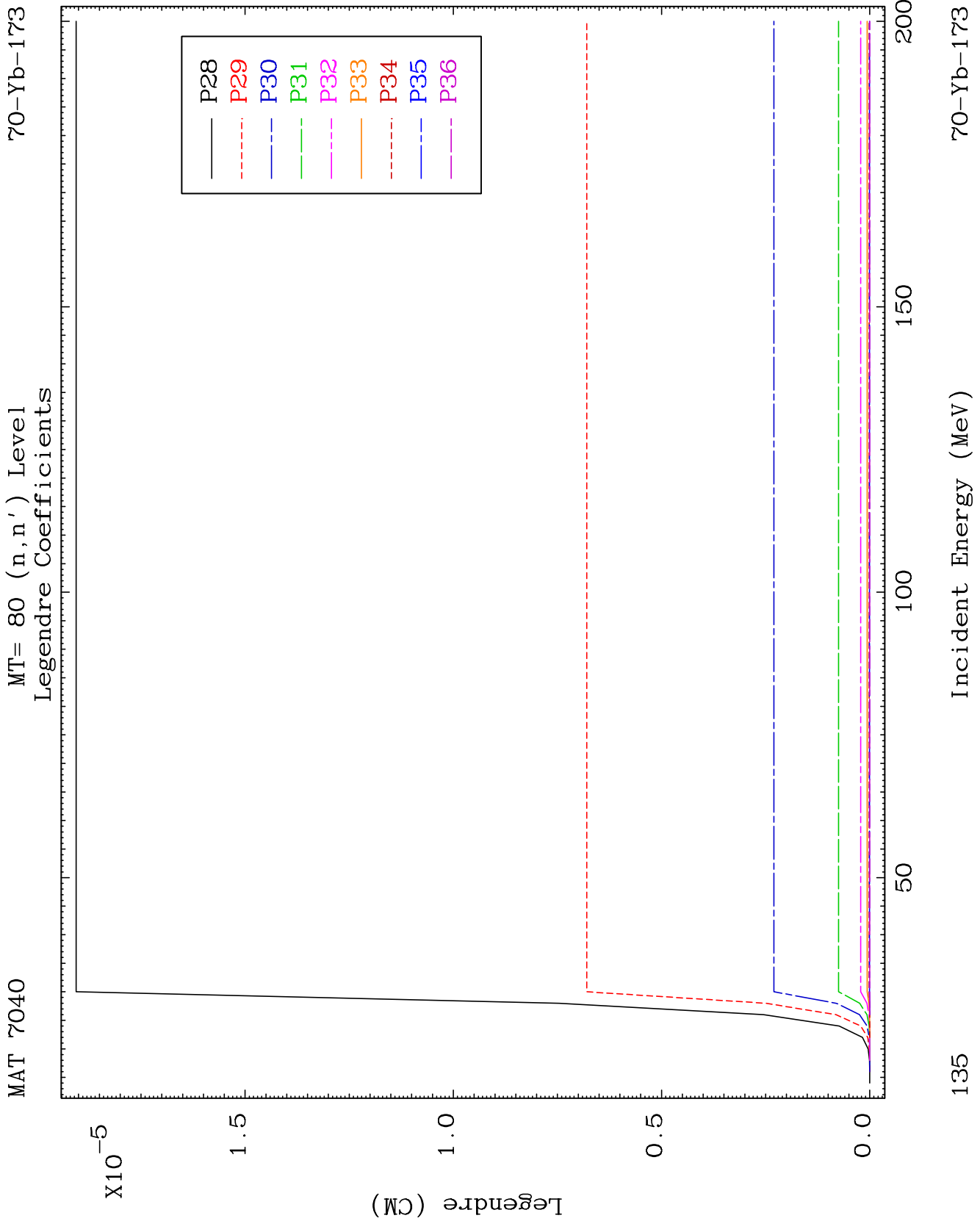
132

Incident Energy (MeV)

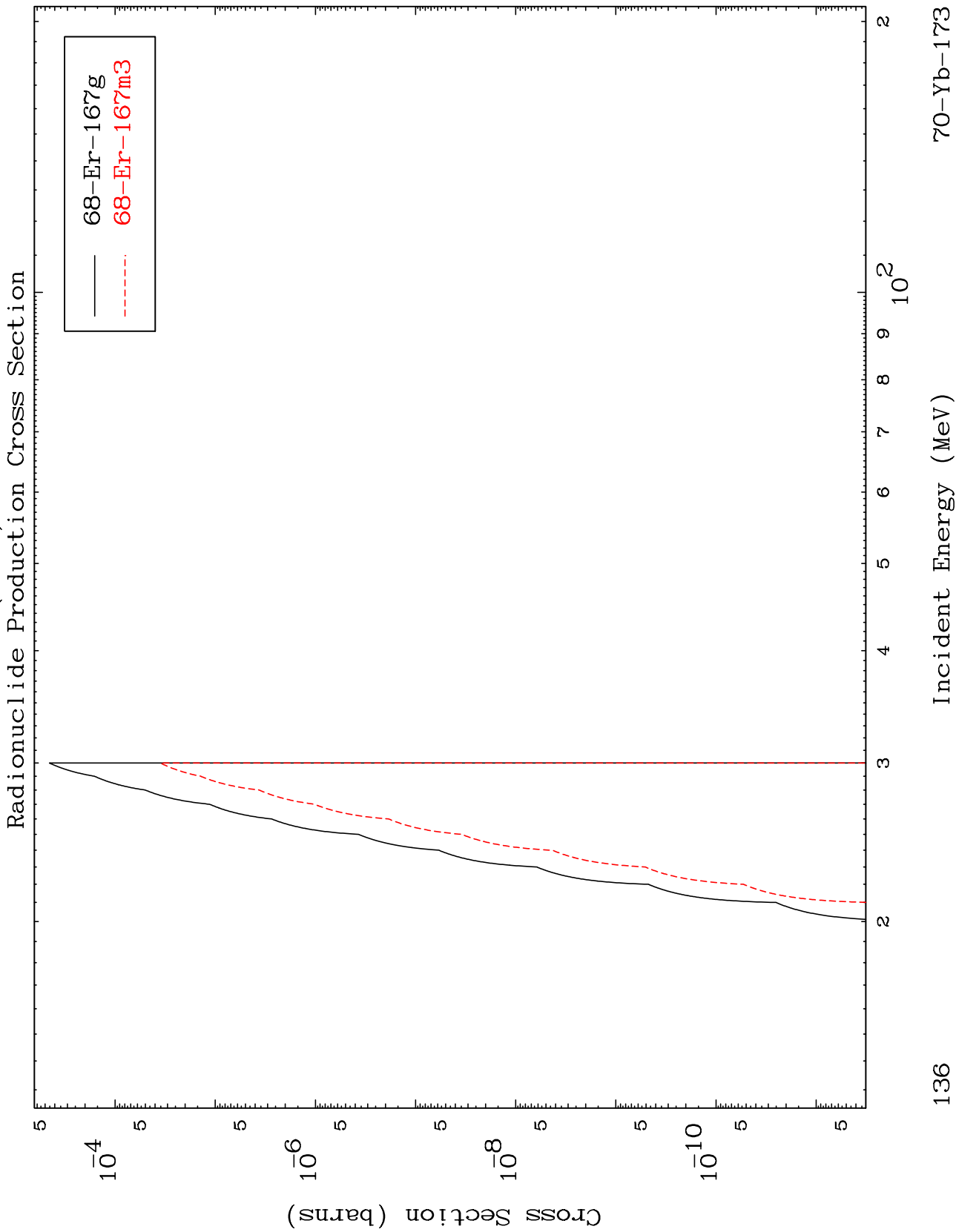
70-Yb-173









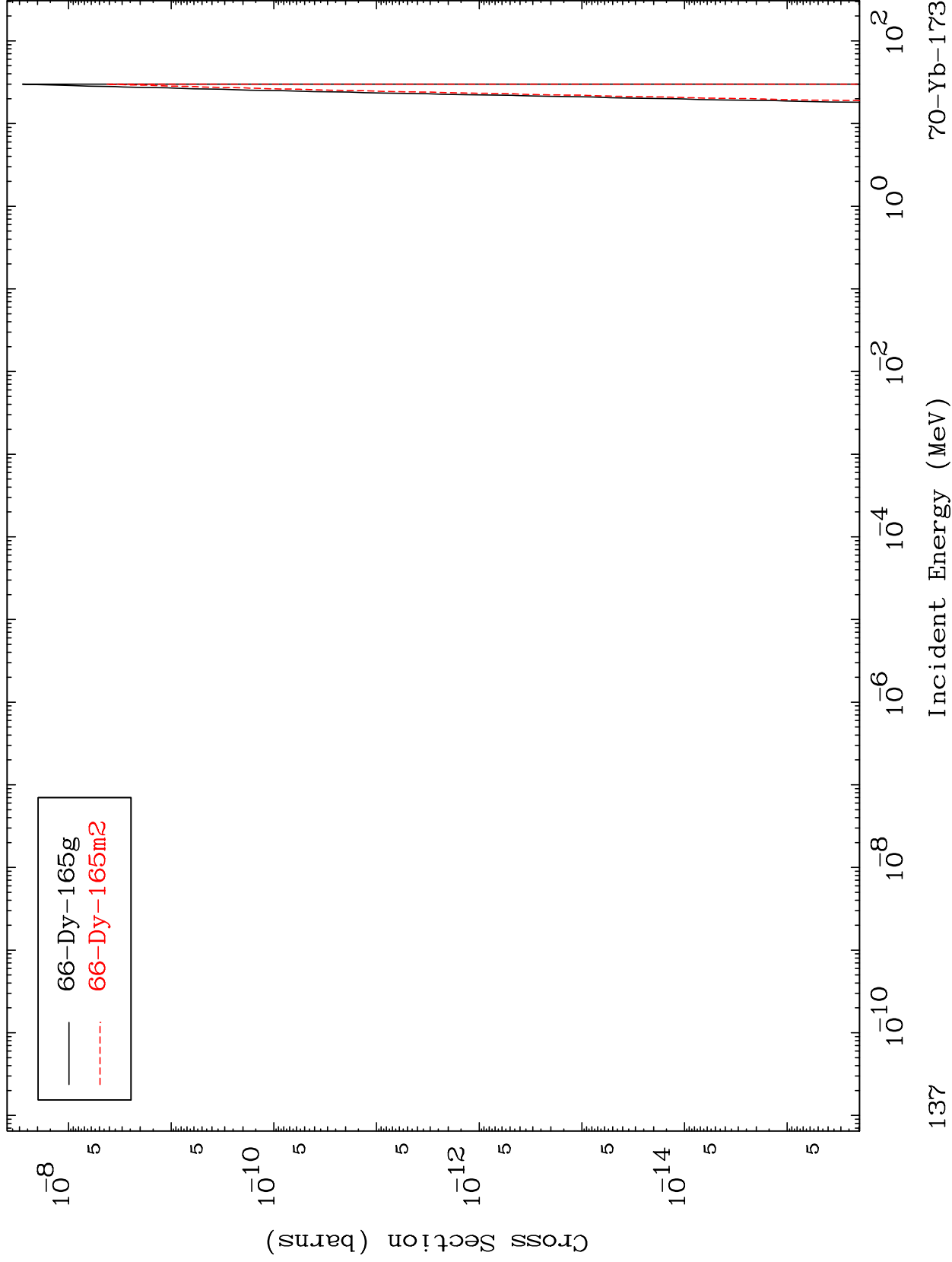


MAT 7040

(n,n') 2 $\alpha$

70-Yb-173

Radionuclide Production Cross Section



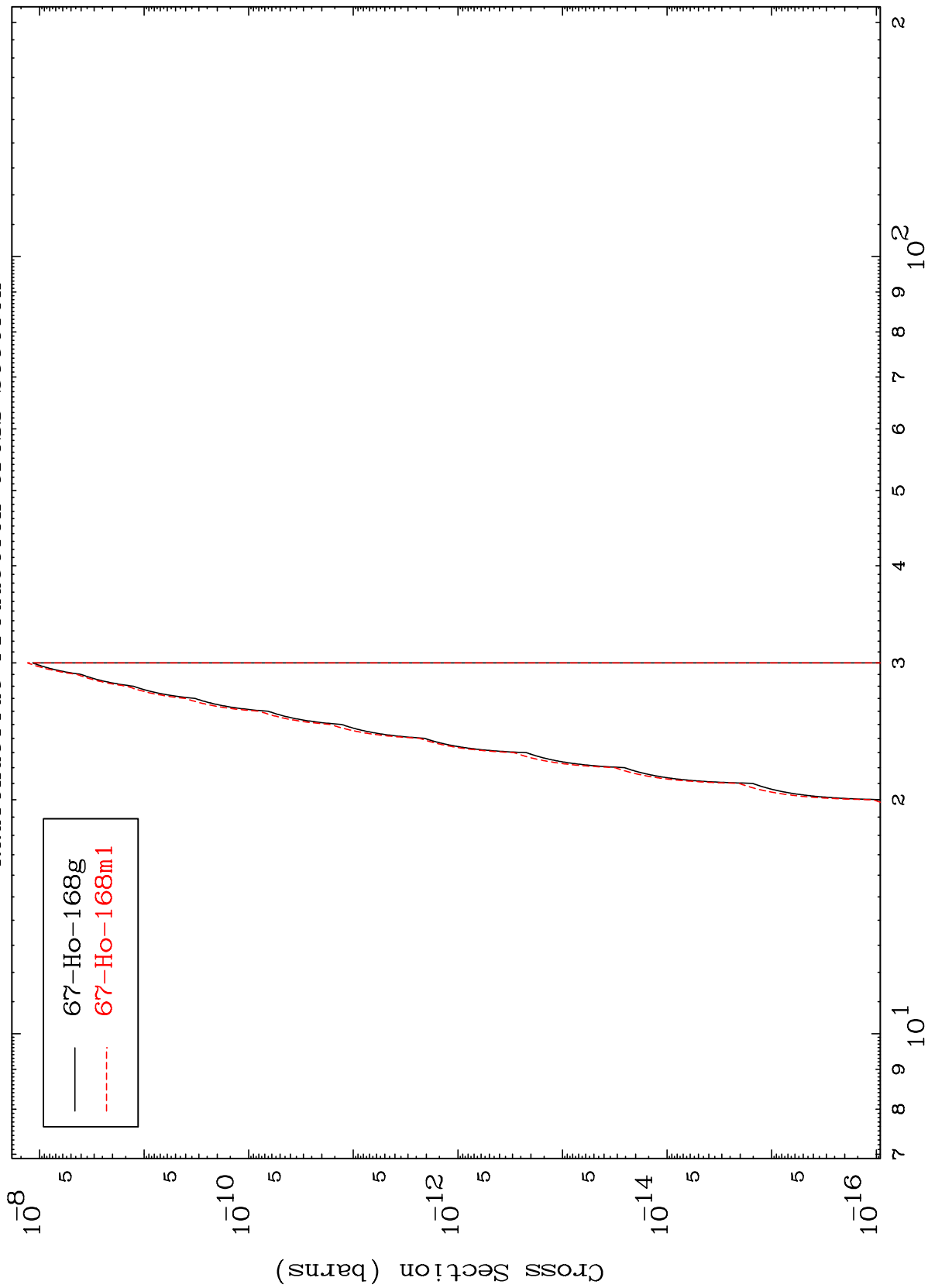
137

MAT 7040

(n,n') p  $\alpha$

70-Yb-173

Radionuclide Production Cross Section



67-Ho-168g  
67-Ho-168m1

138

Incident Energy (MeV)

70-Yb-173