

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

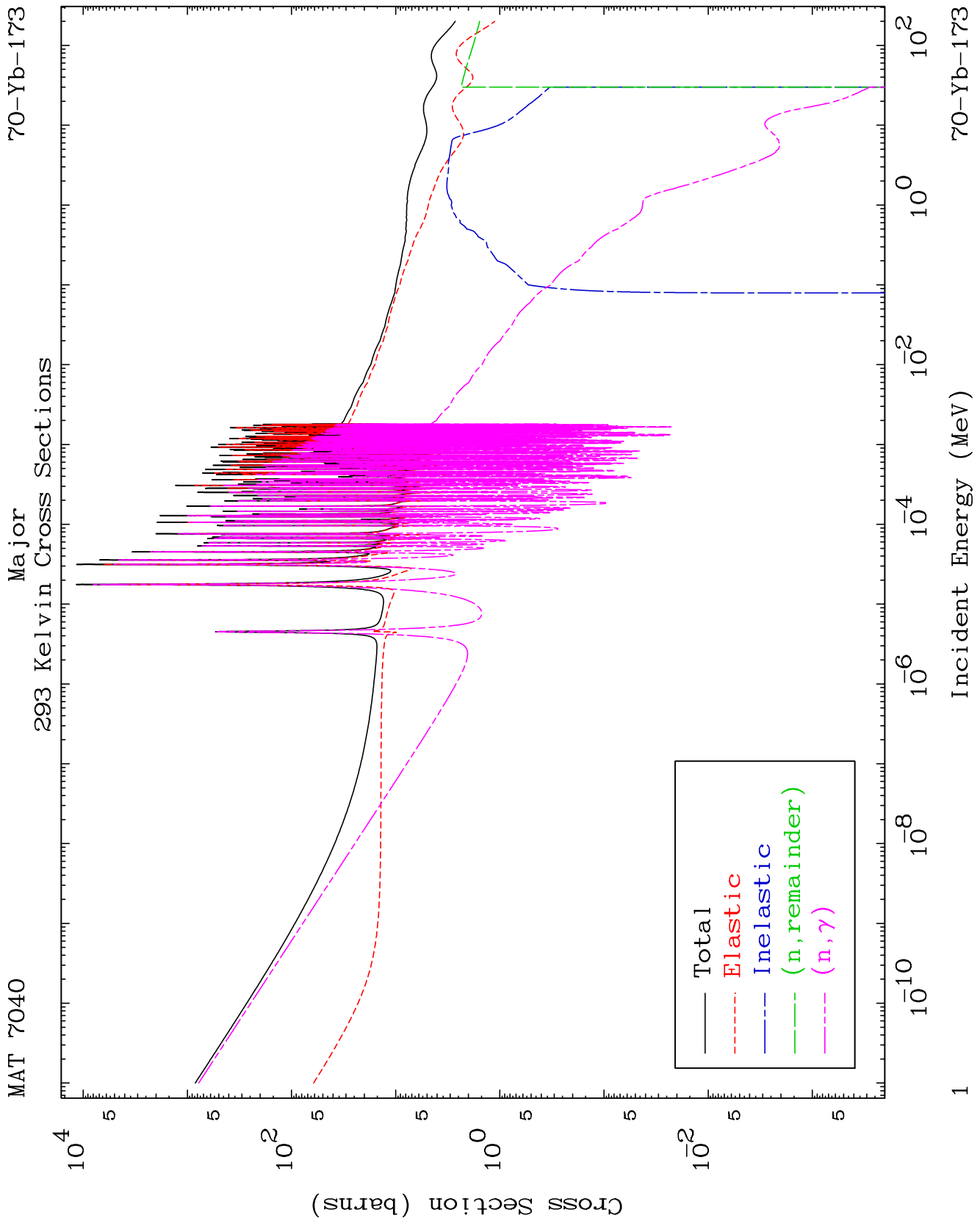
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Tele: 925-443-1911

E.Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

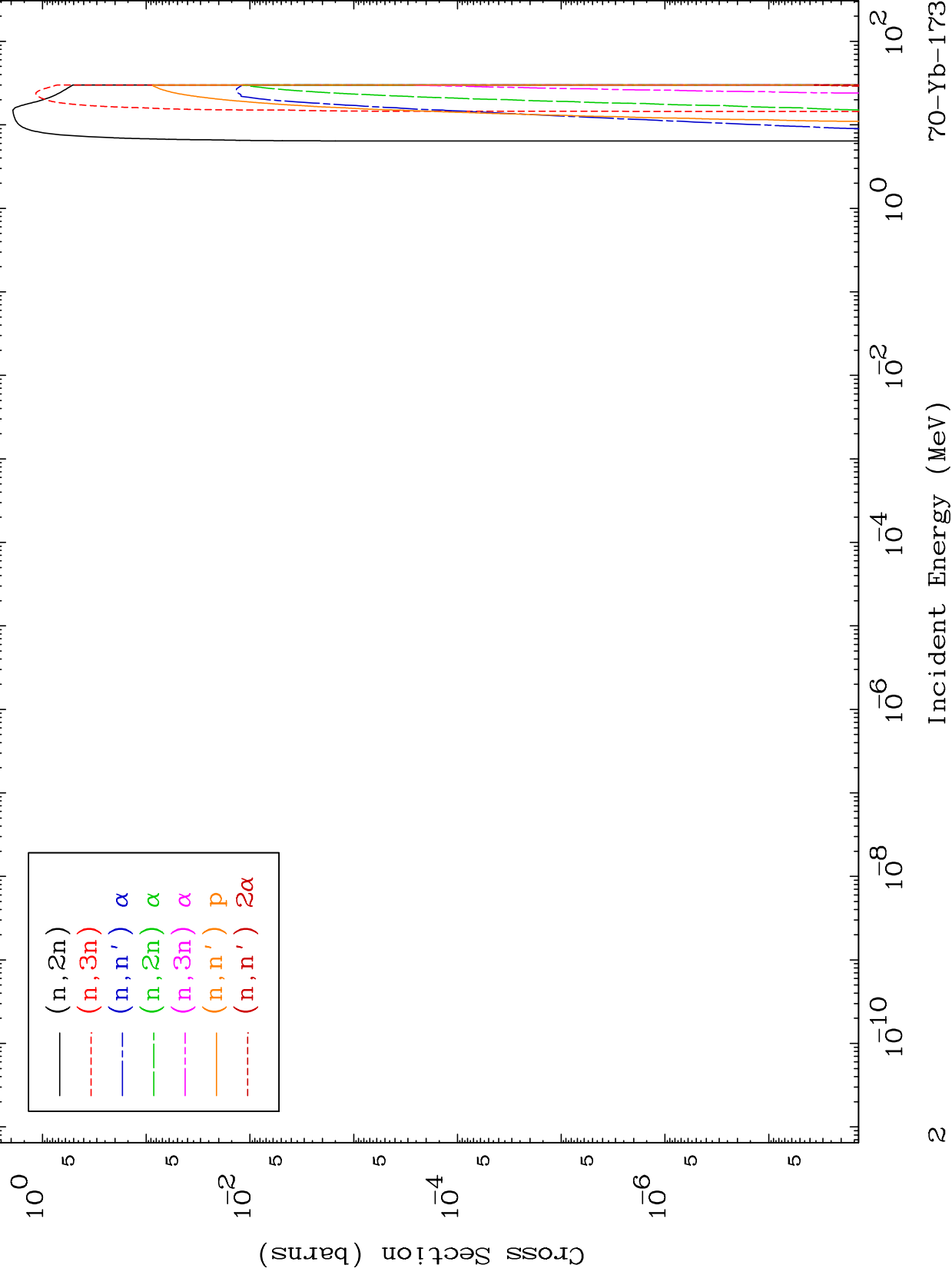
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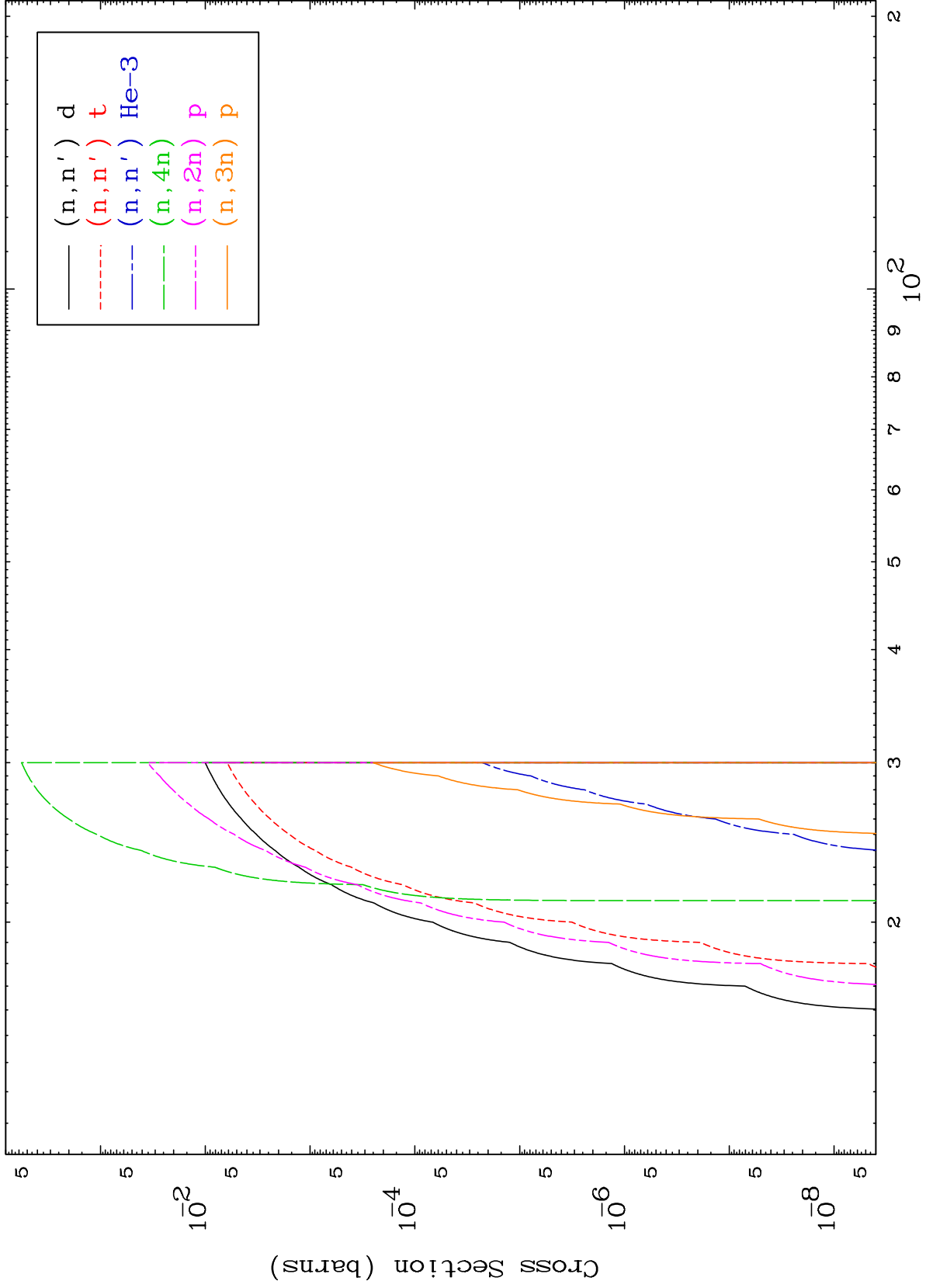


MAT 7040

Neutron Production
293 Kelvin Cross Sections

70-Yb-173

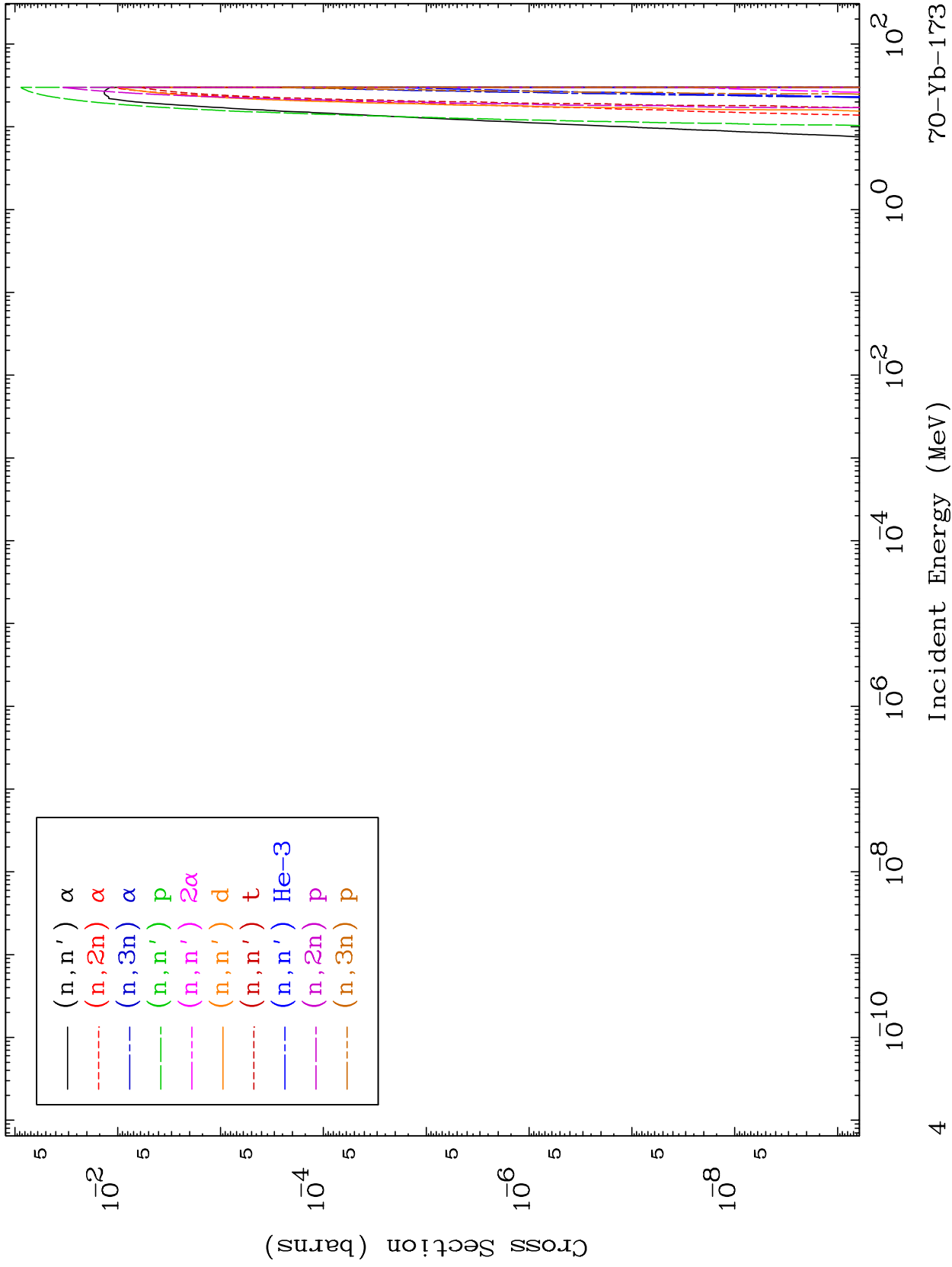




MAT 7040

Charged Particle
293 Kelvin Cross Sections

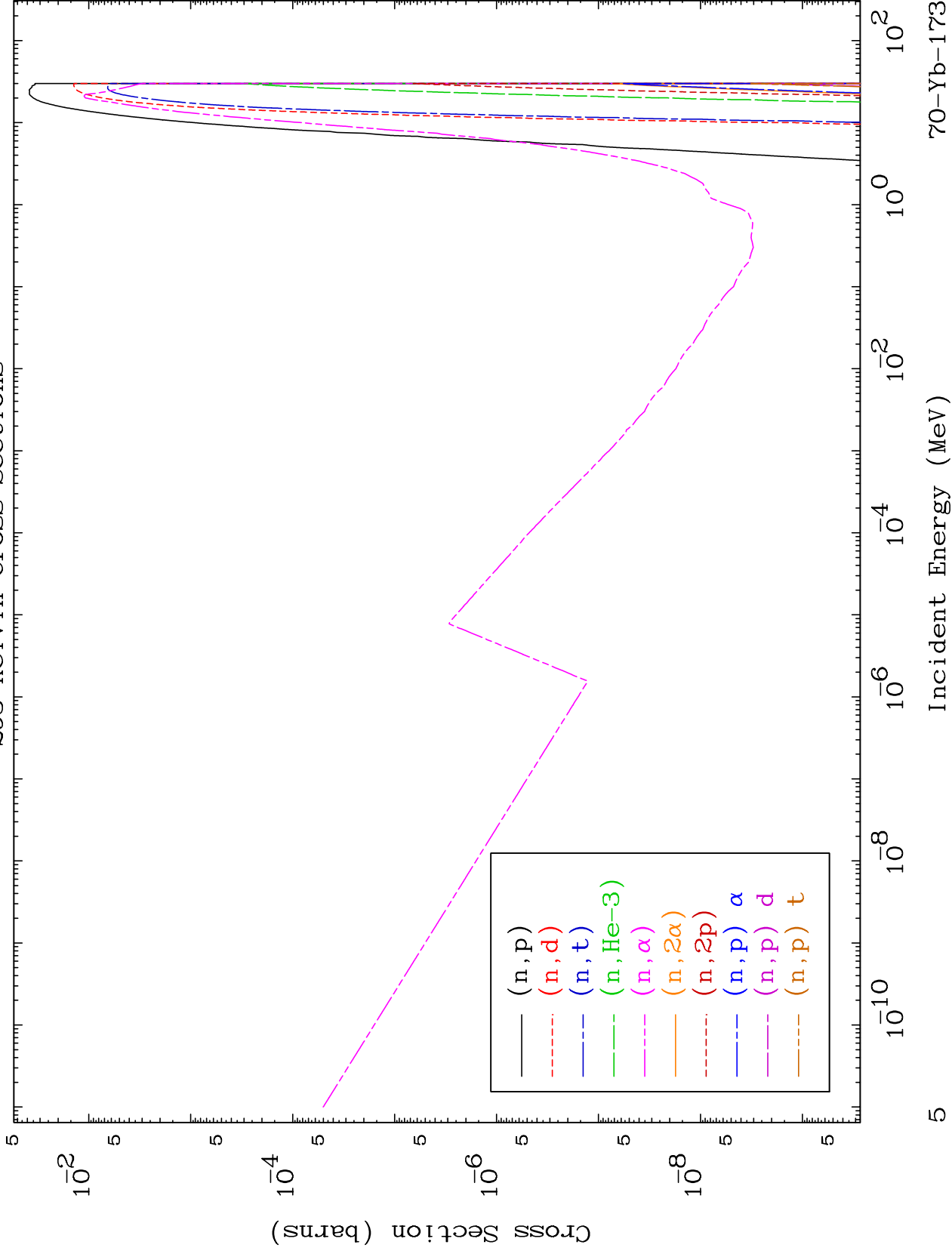
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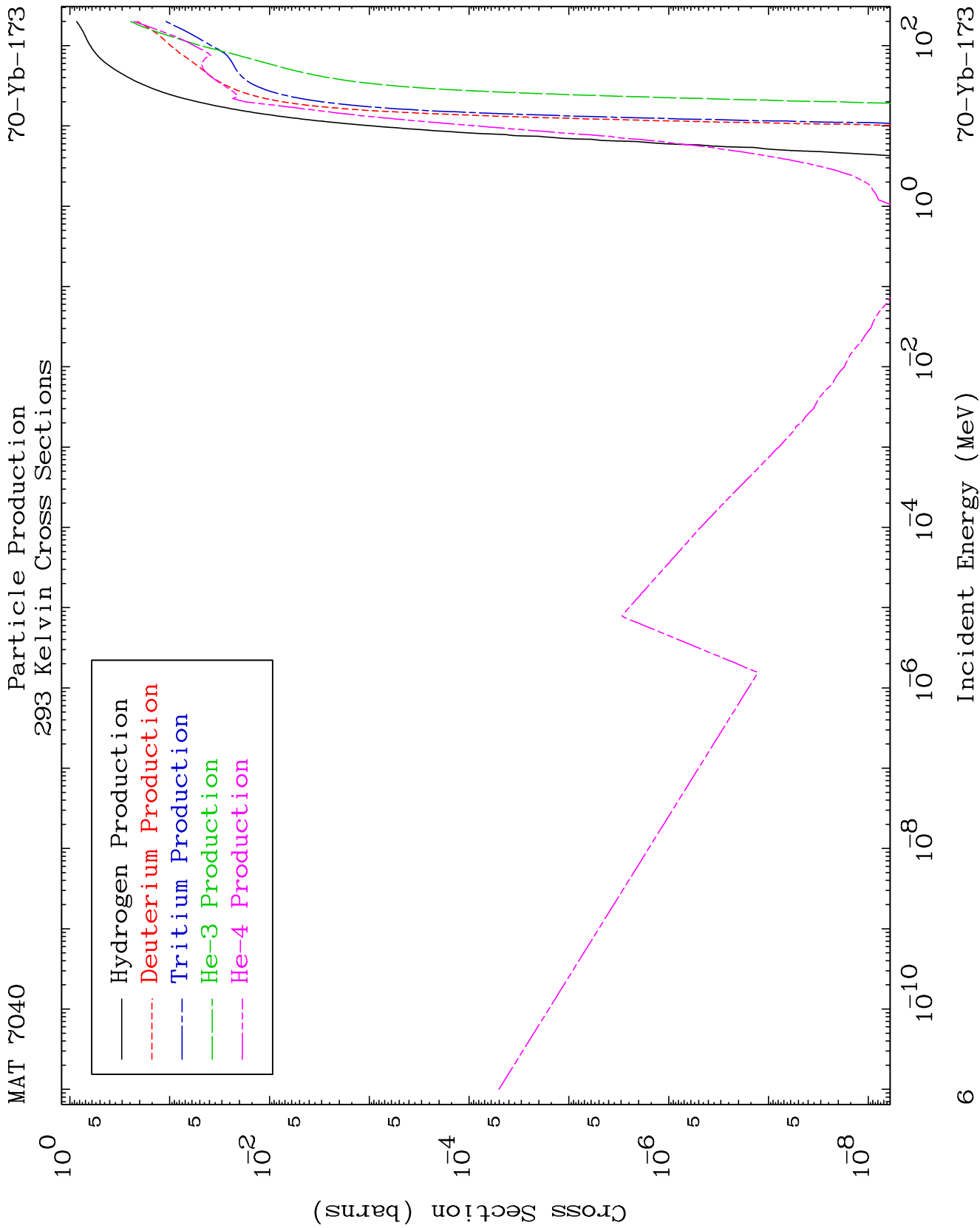


MAT 7040

Charged Particle
293 Kelvin Cross Sections

70-Yb-173



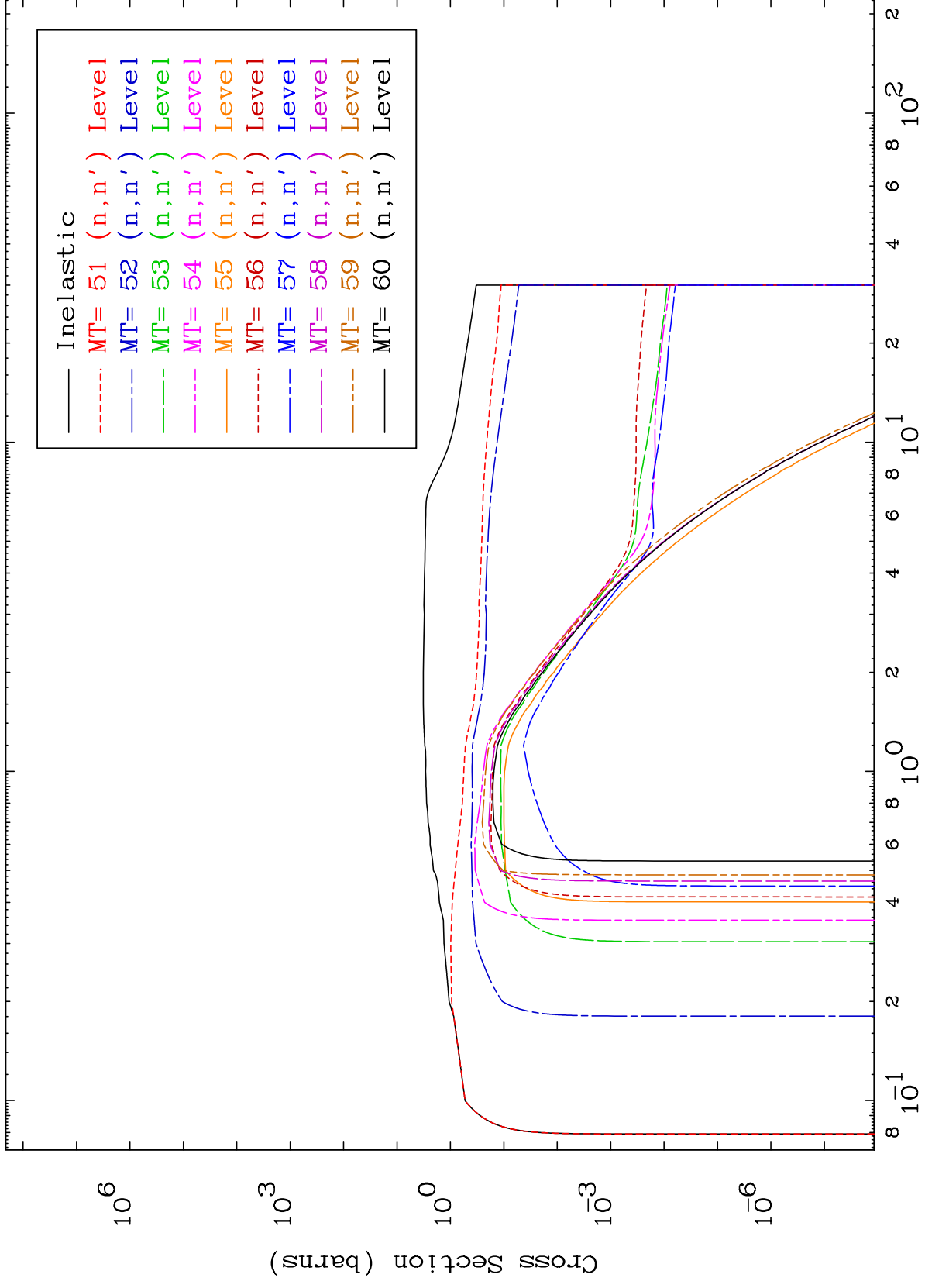


MAT 7040

(n,n') Level

70-Yb-173

293 Kelvin Cross Sections



Incident Energy (MeV)

70-Yb-173

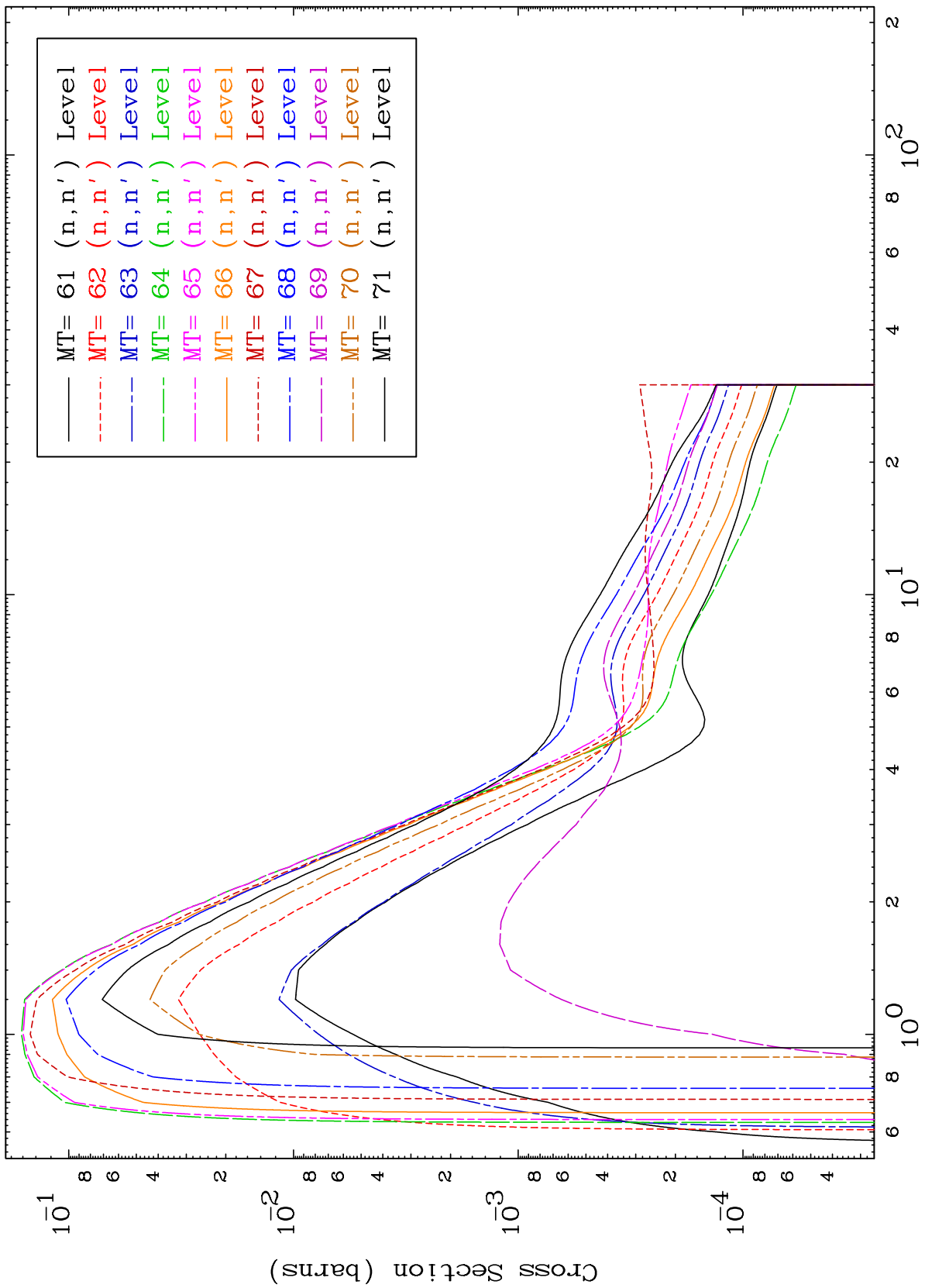
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MAT 7040

(n,n') Level

70-Yb-173

293 Kelvin Cross Sections



8

Incident Energy (MeV)

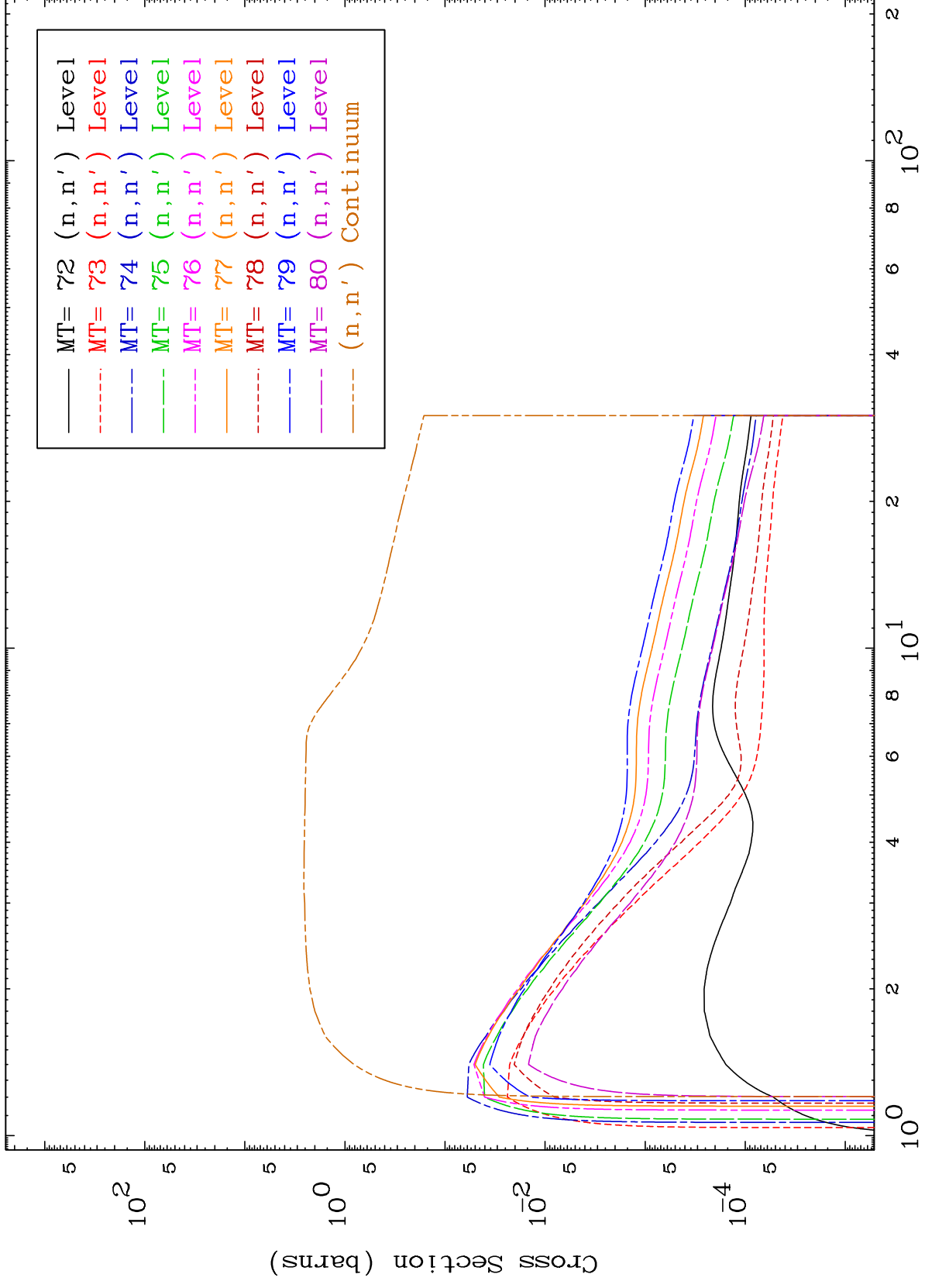
70-Yb-173

MAT 7040

(n,n') Level

70-Yb-173

293 Kelvin Cross Sections



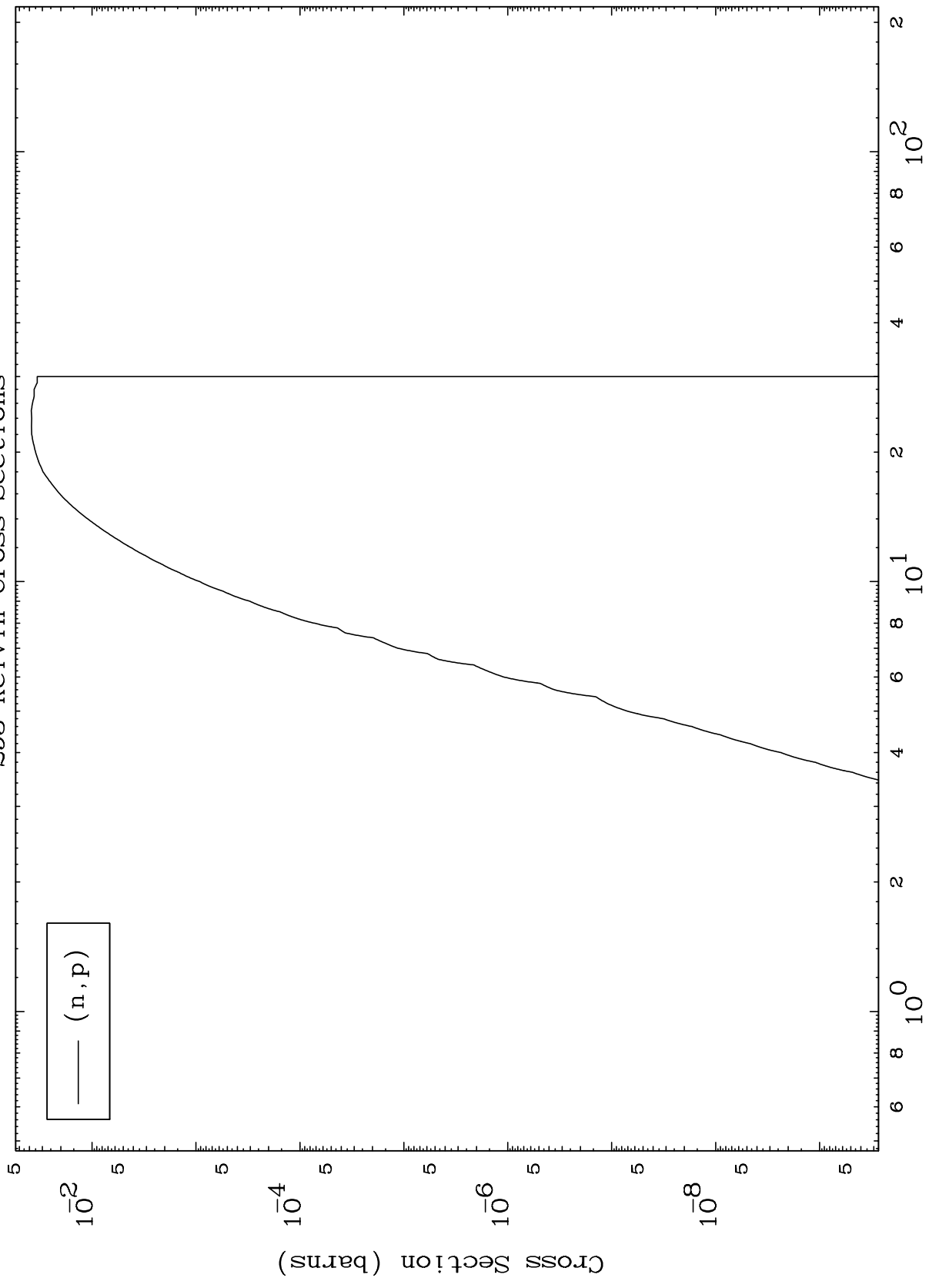
Incident Energy (MeV)

70-Yb-173

MAT 7040

(n,p) Levels
293 Kelvin Cross Sections

70-Yb-173



10

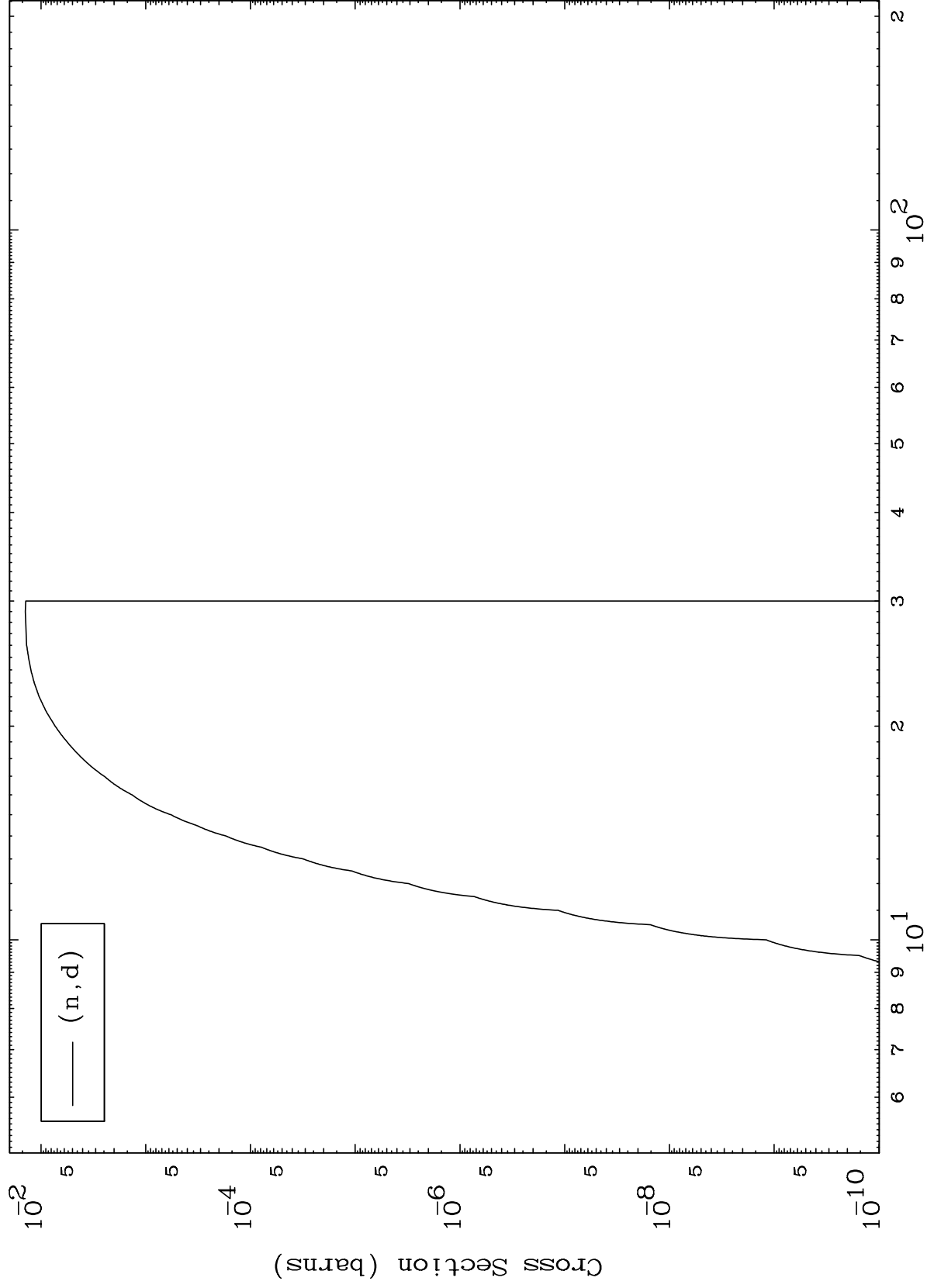
Incident Energy (MeV)

70-Yb-173

MAT 7040

(n,d) Levels
293 Kelvin Cross Sections

70-Yb-173



11

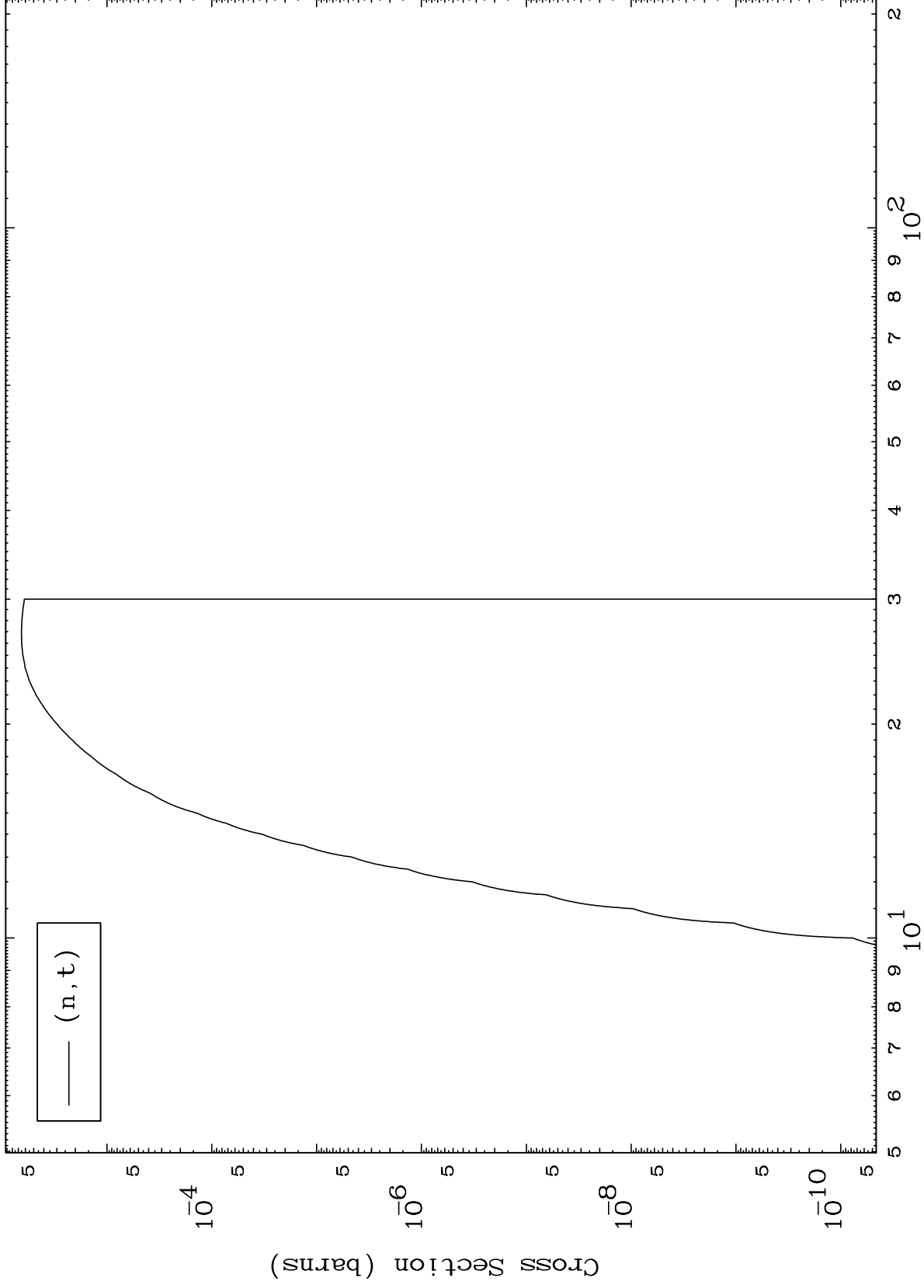
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70-Yb-173

MAT 7040

(n, t) Levels
293 Kelvin Cross Sections

70-Yb-173



12

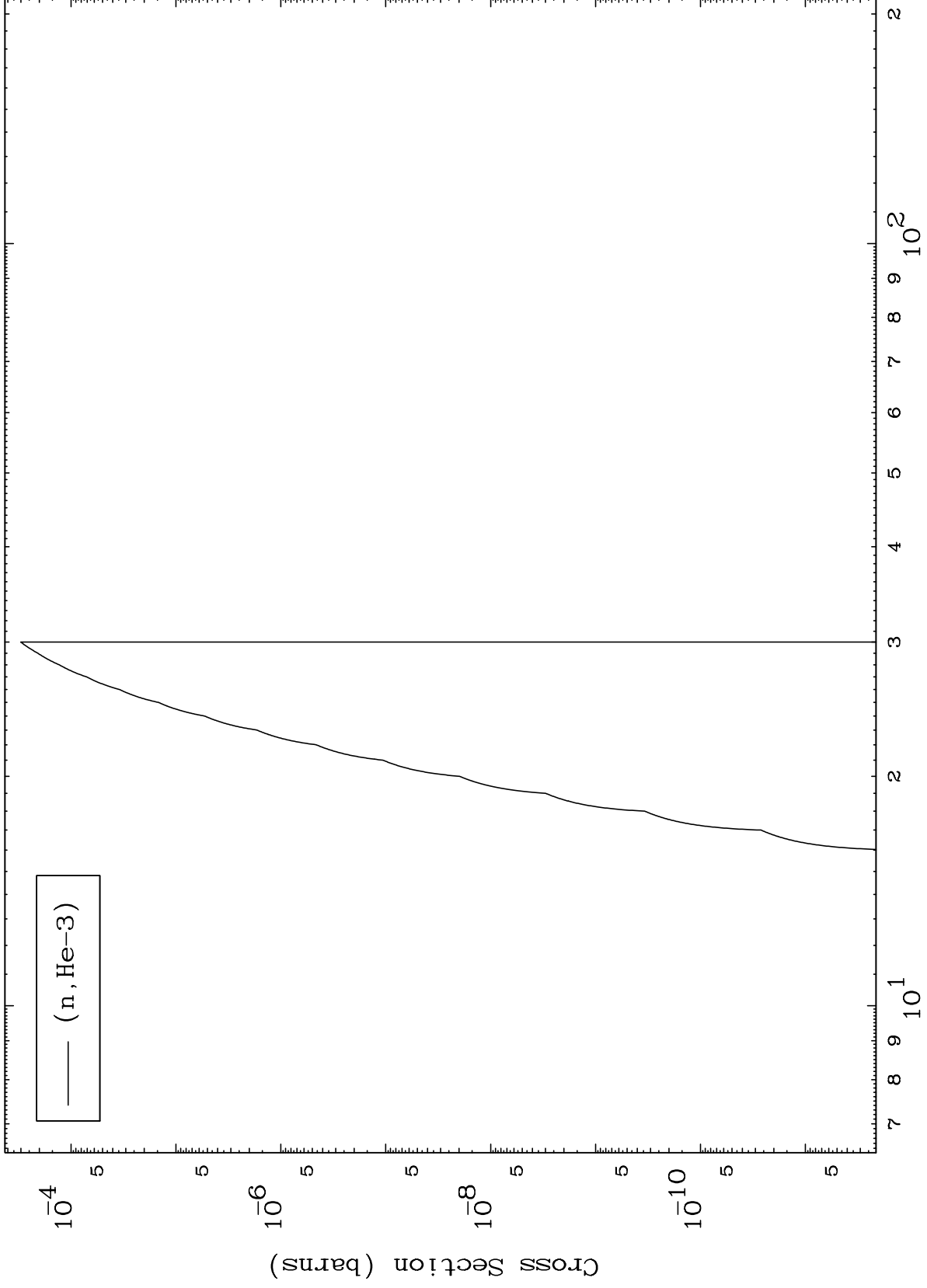
Incident Energy (MeV)

70-Yb-173

MAT 7040

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-173



13

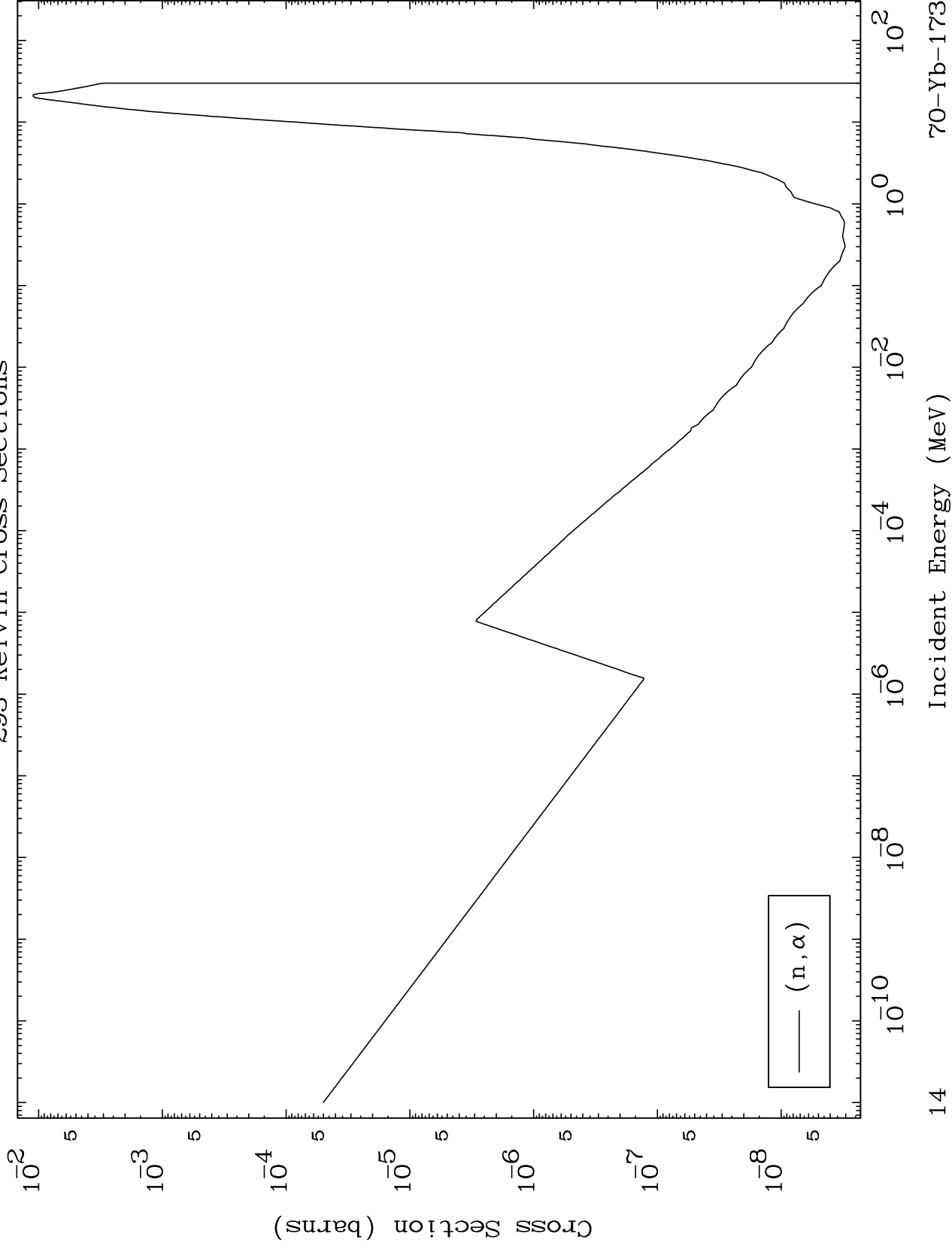
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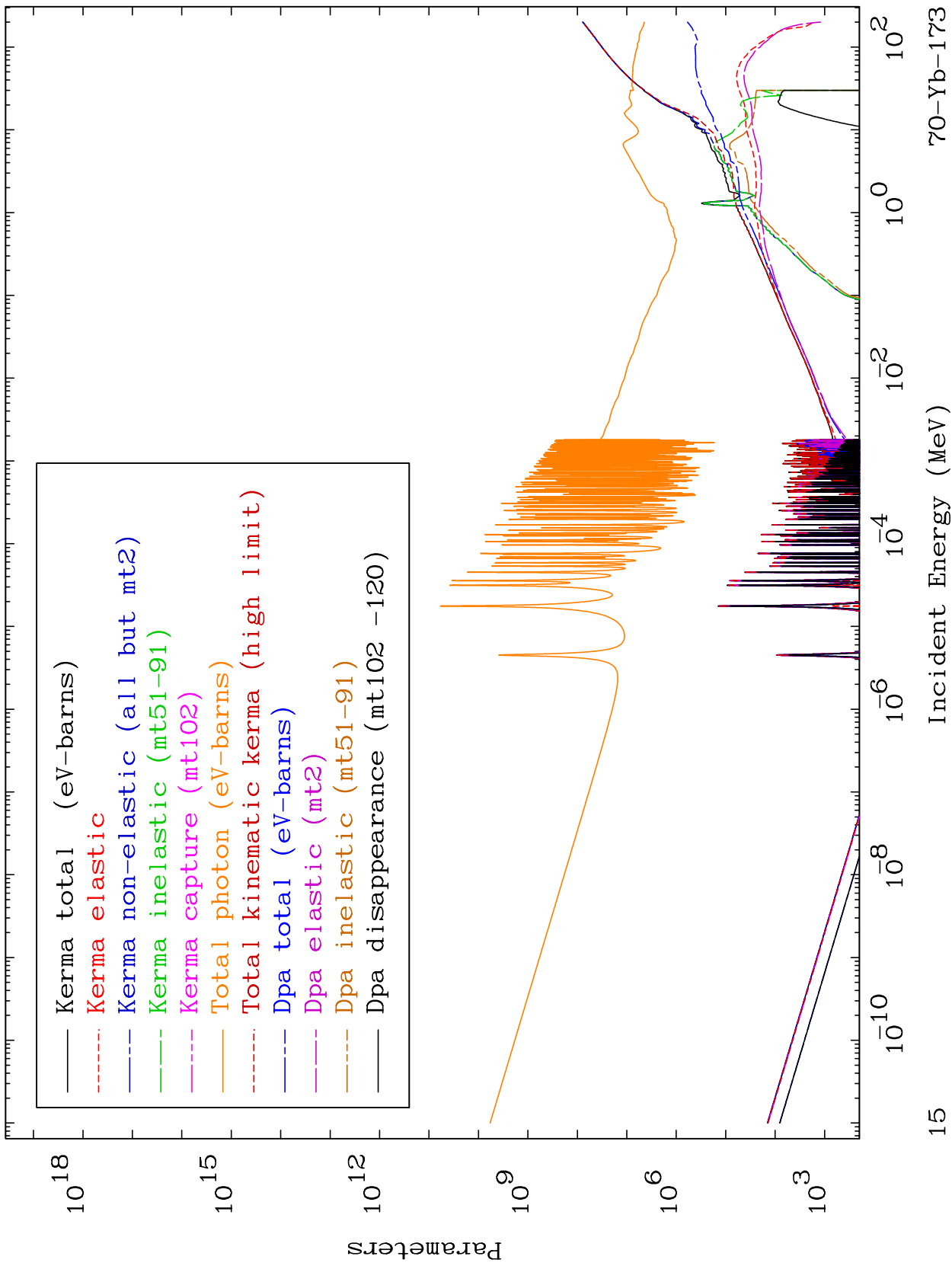
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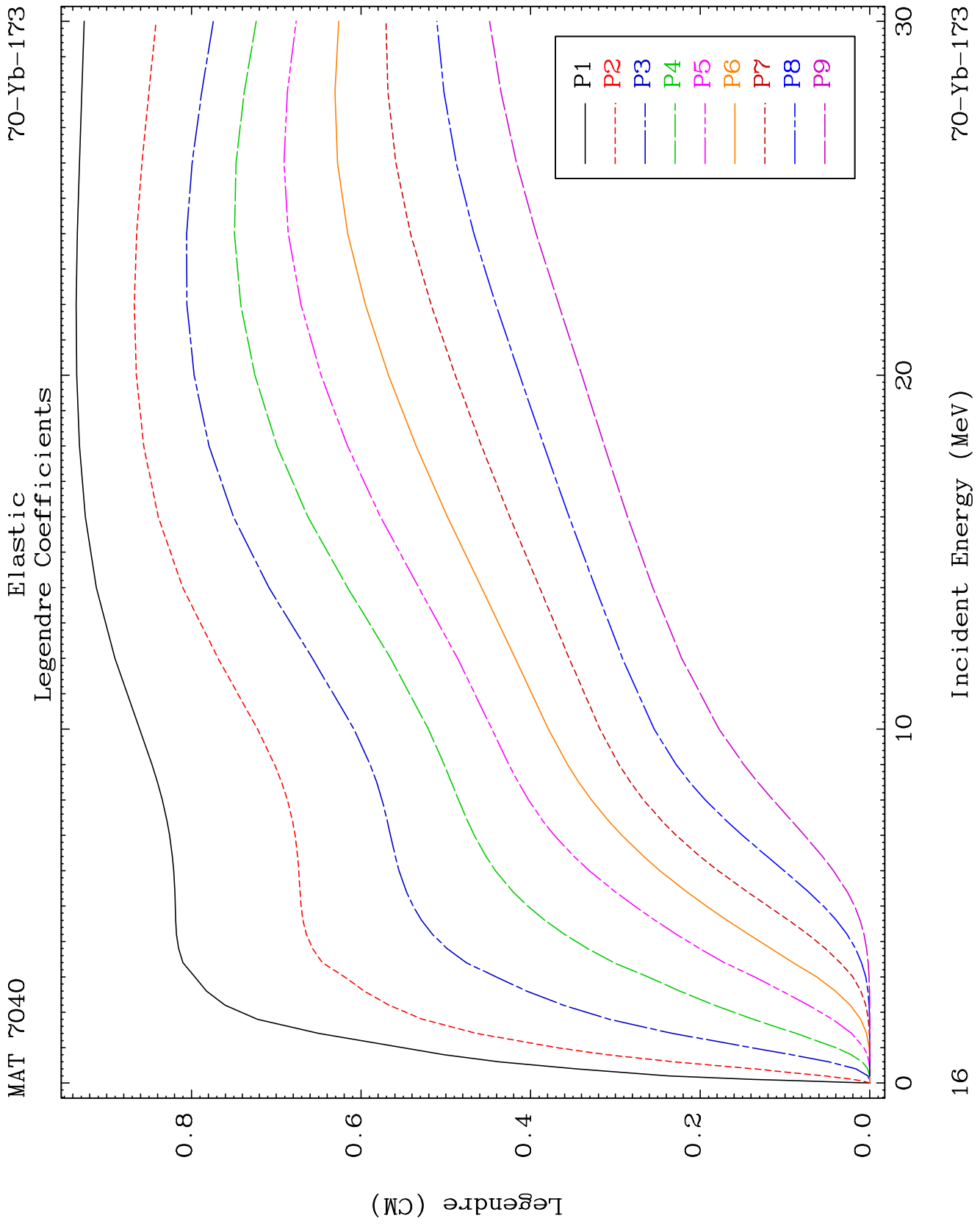
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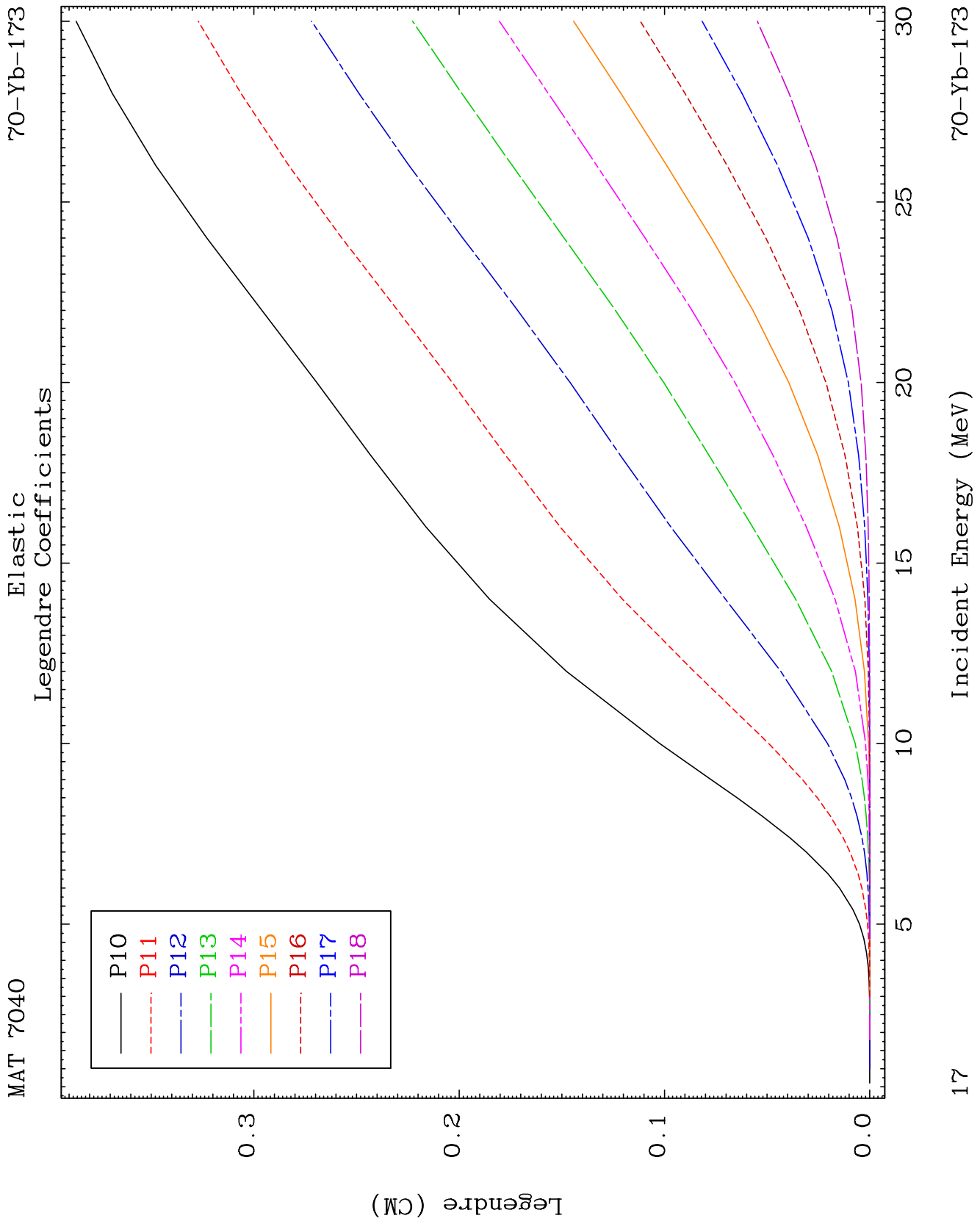
(n, α) Levels
293 Kelvin Cross Sections

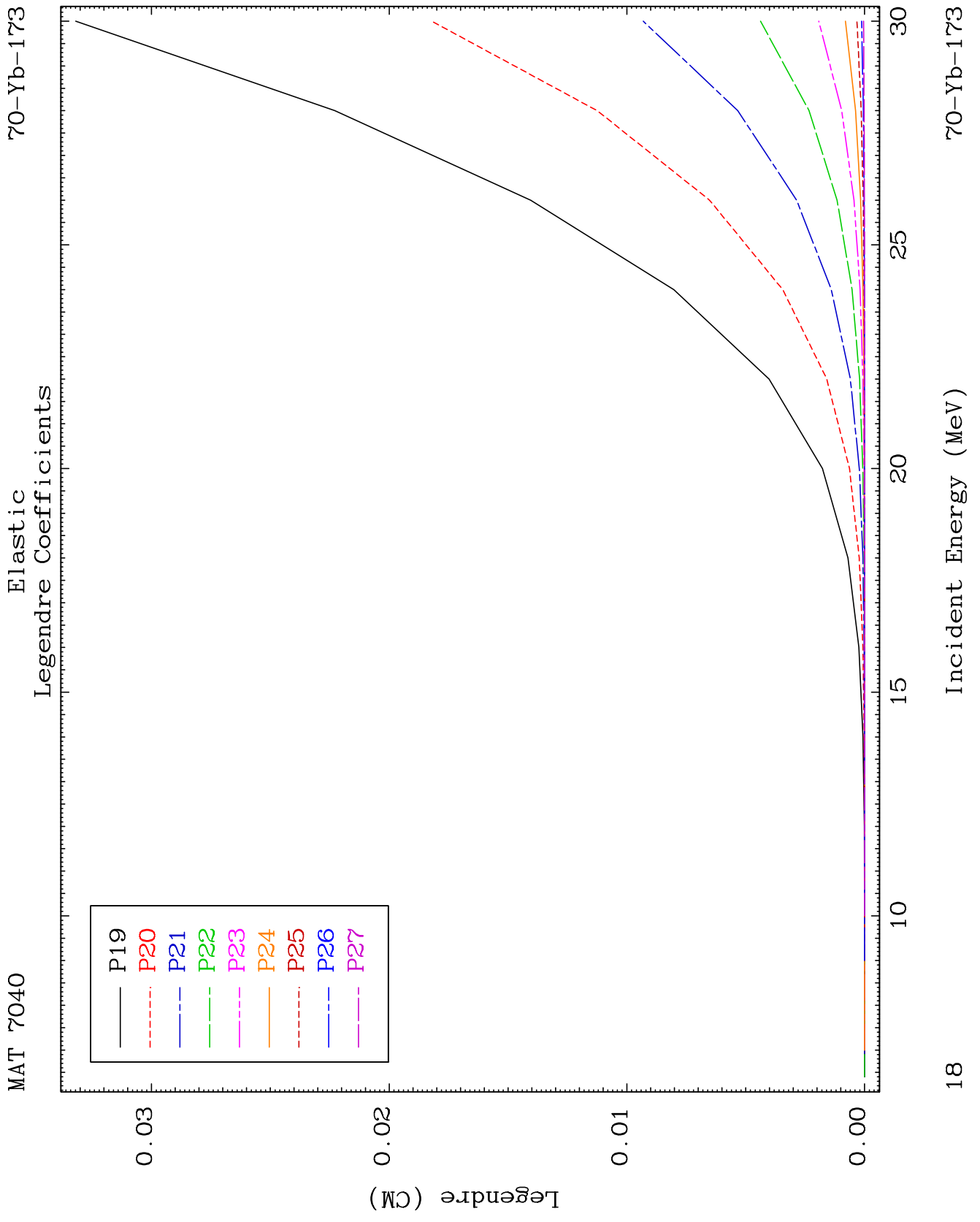
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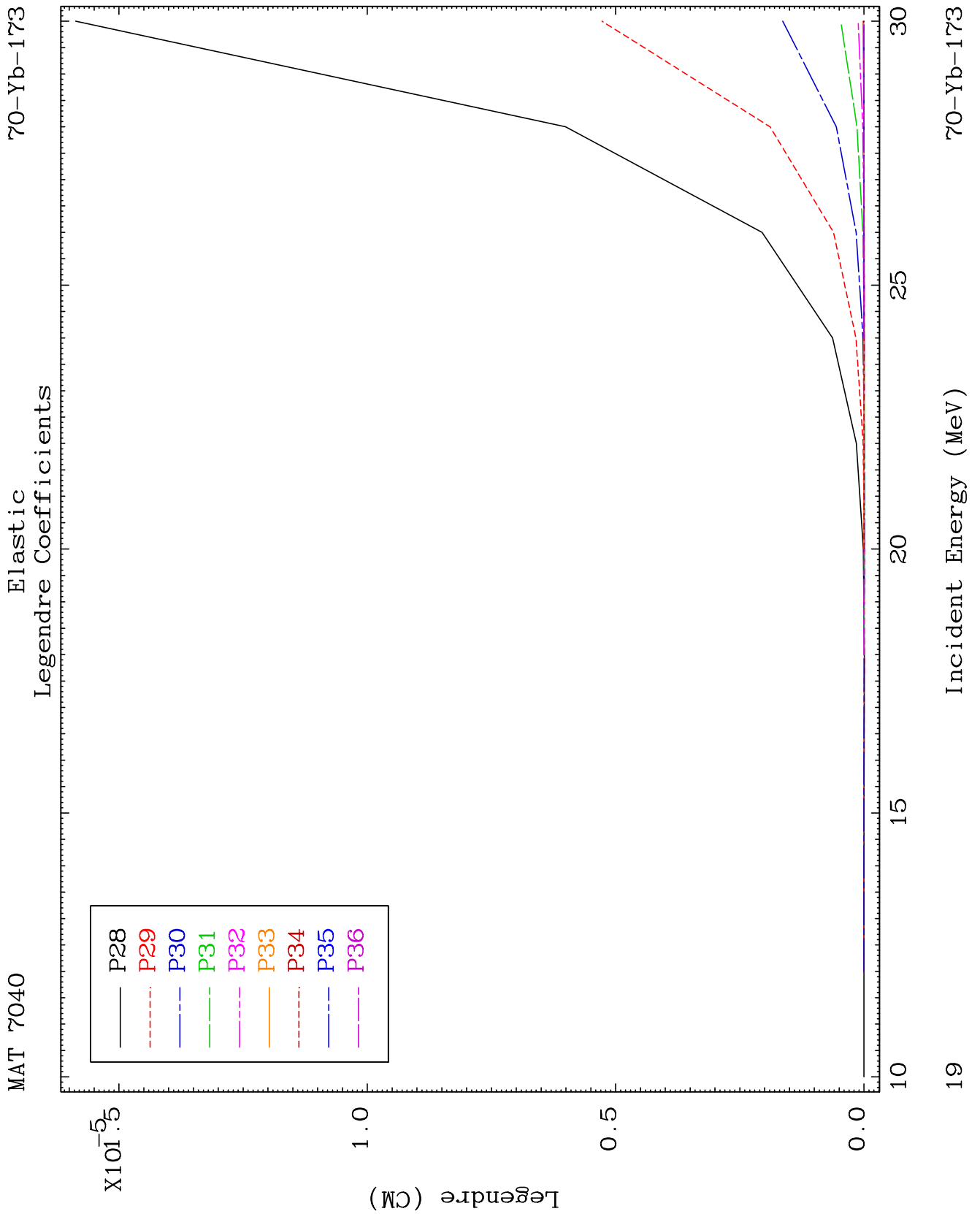


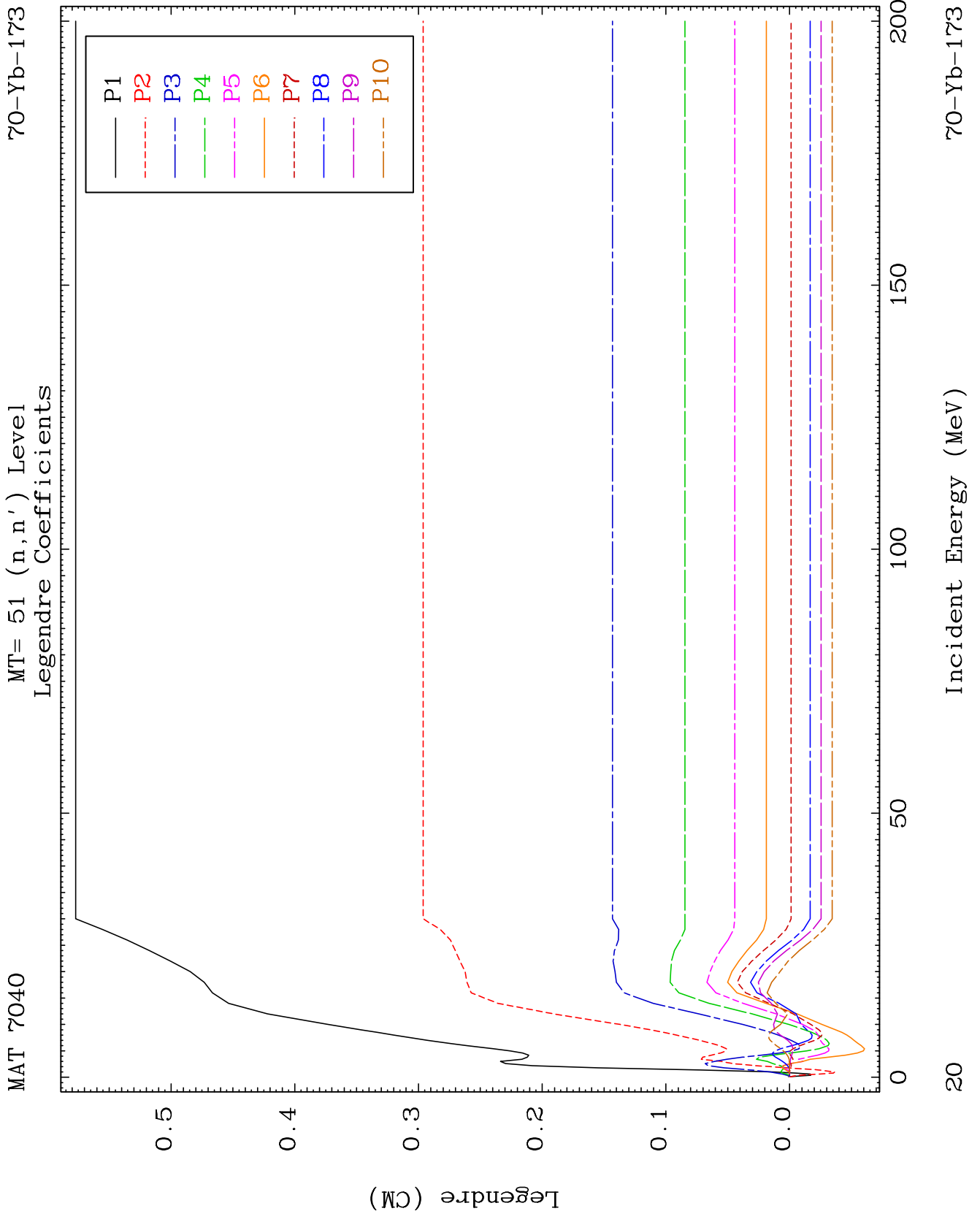








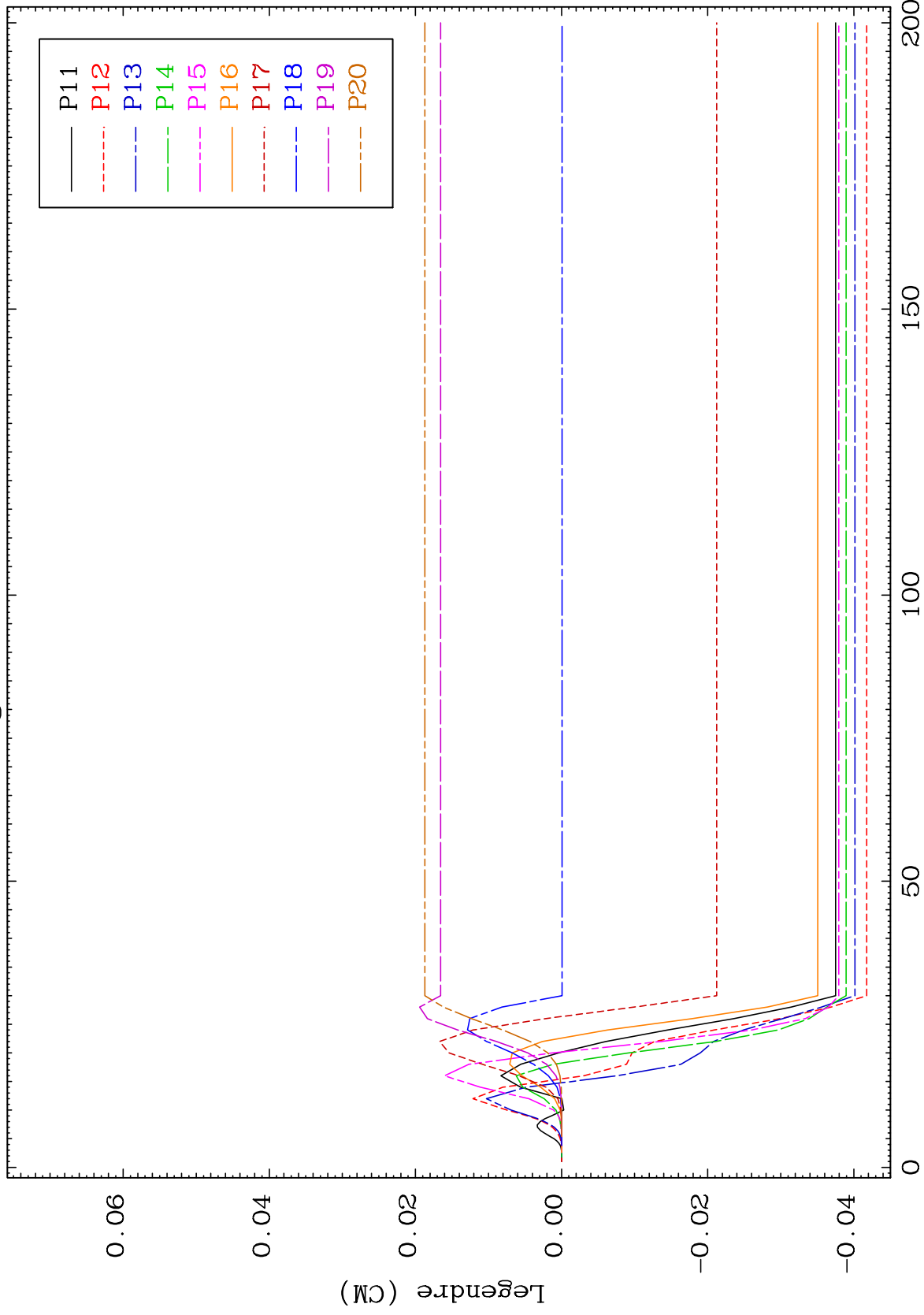


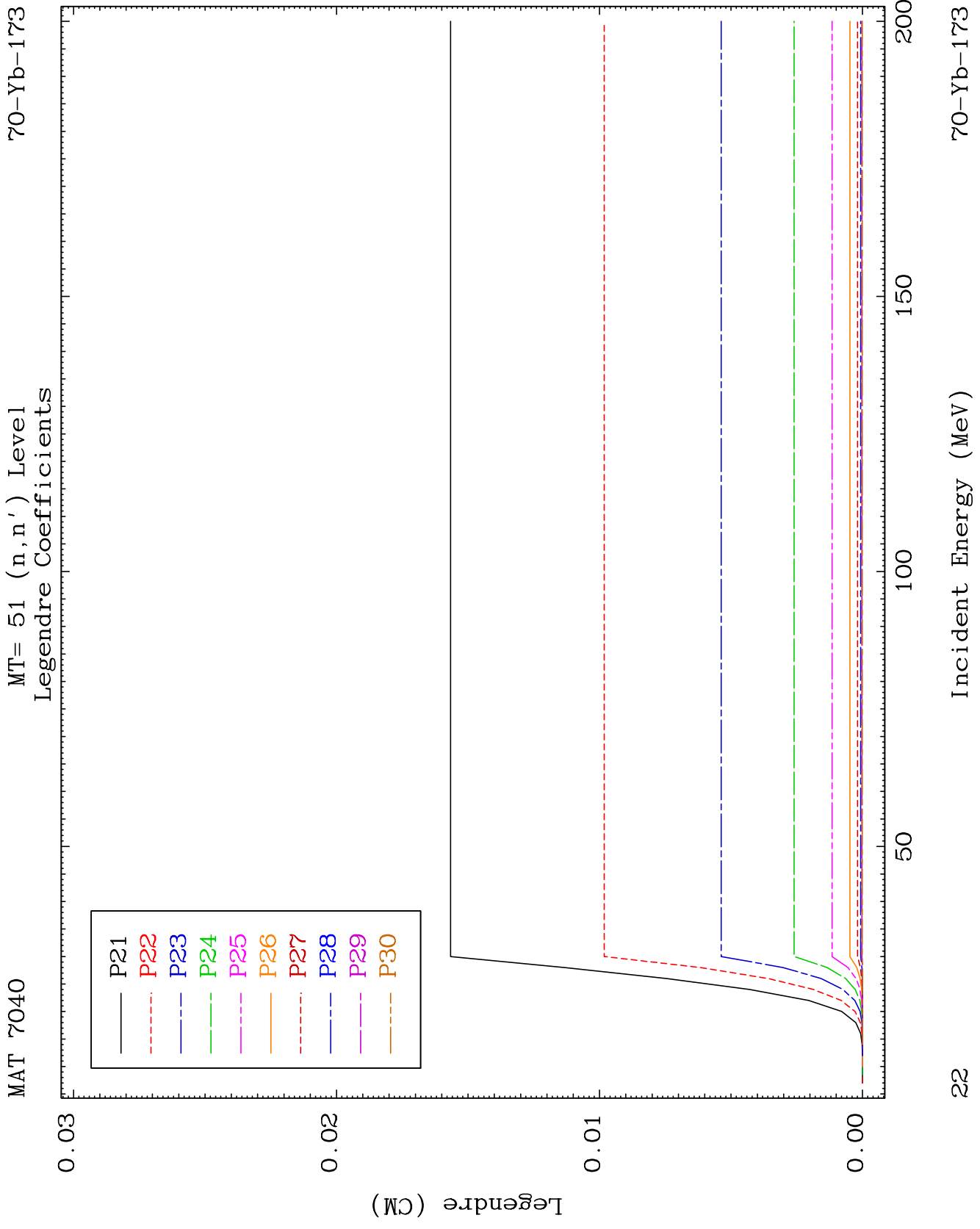


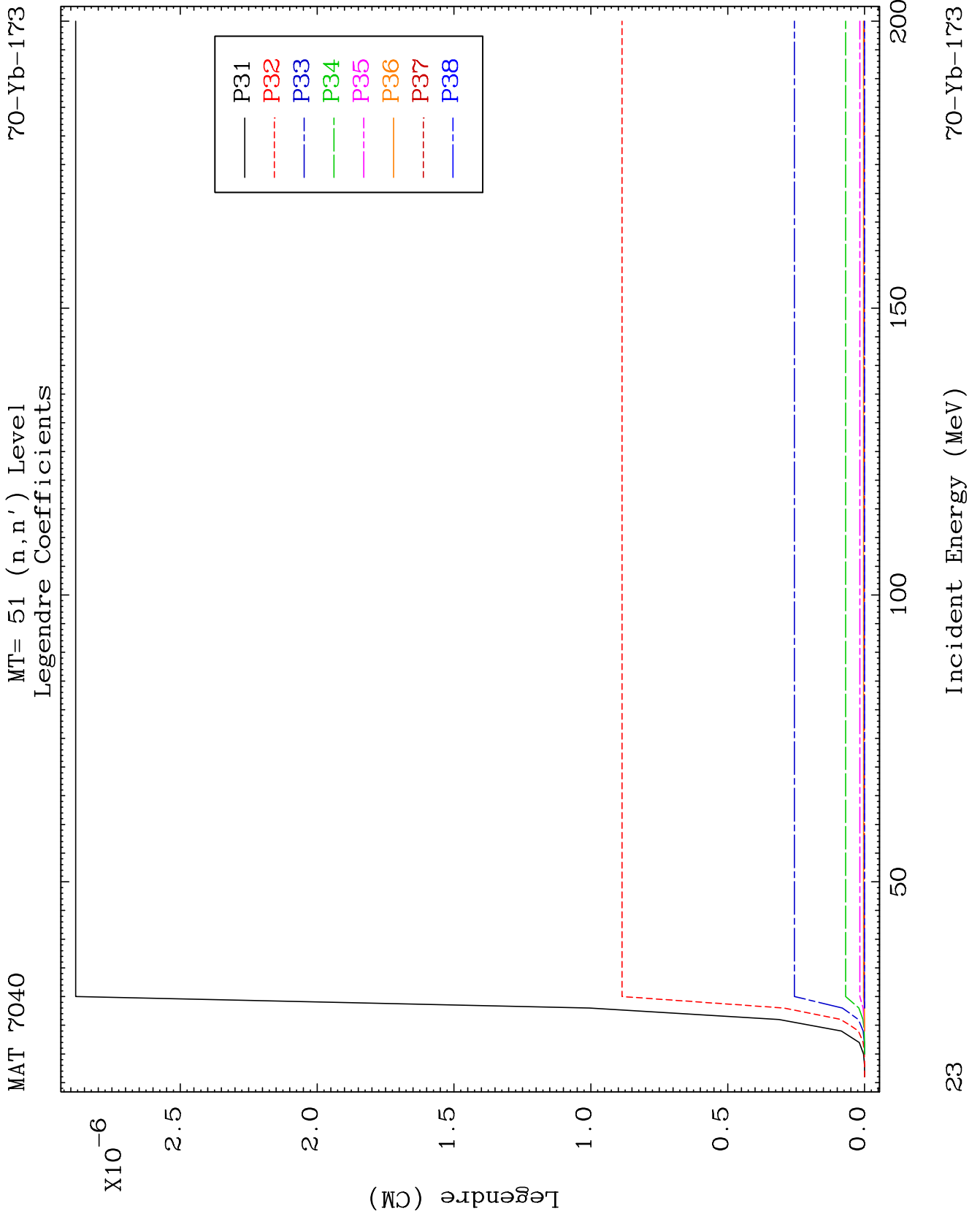
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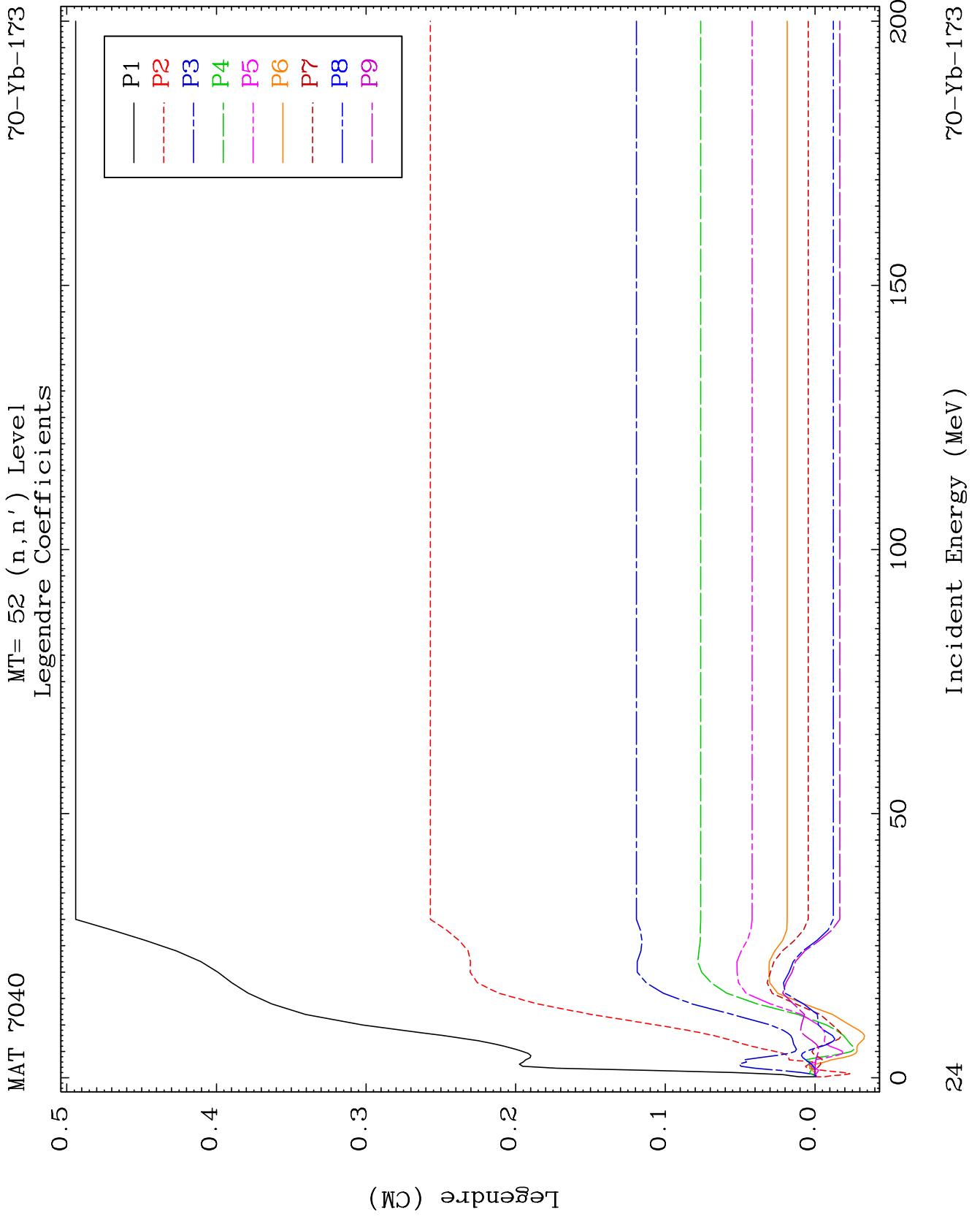
MT= 51 (n,n') Level
Legendre Coefficients

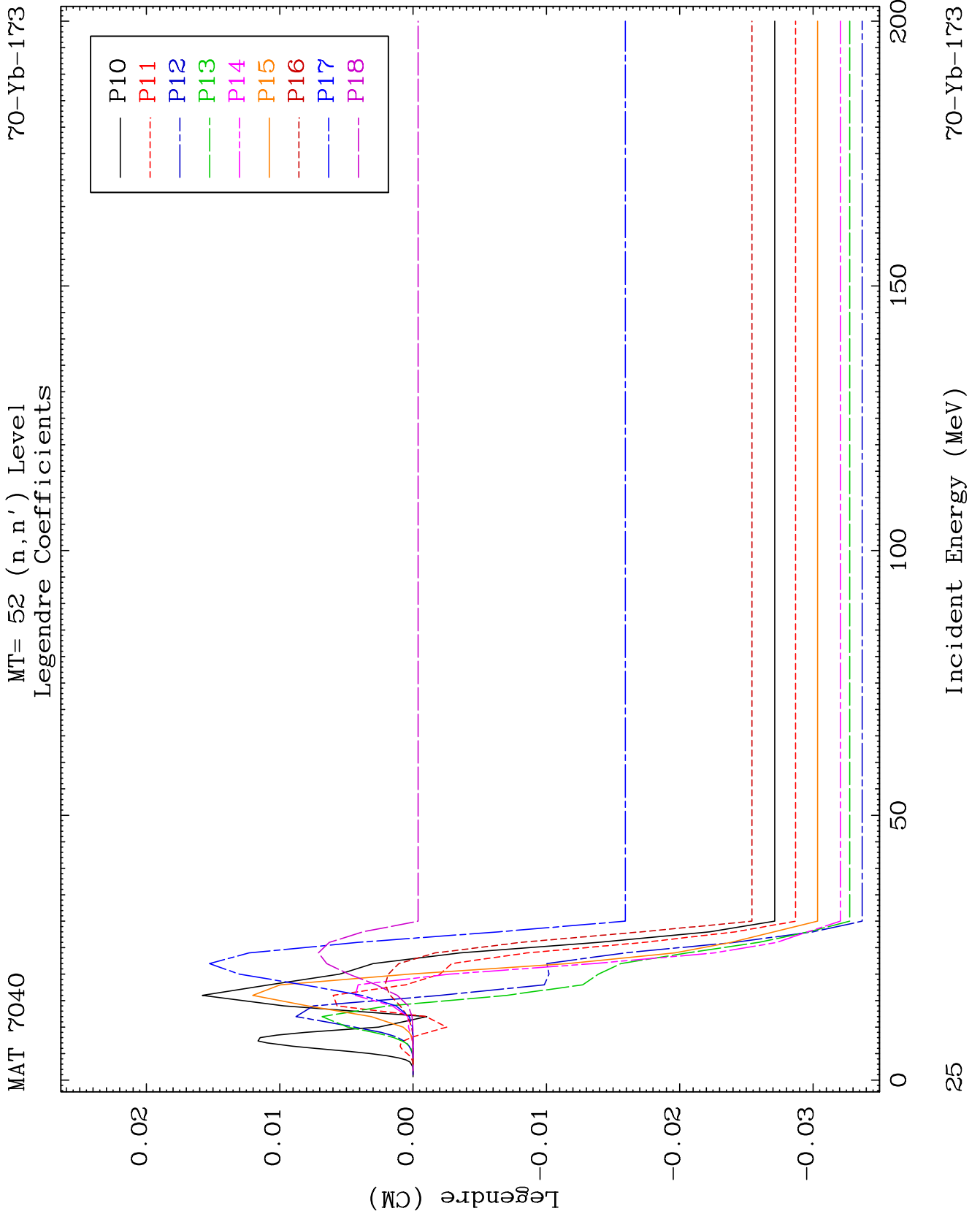
70-Yb-173

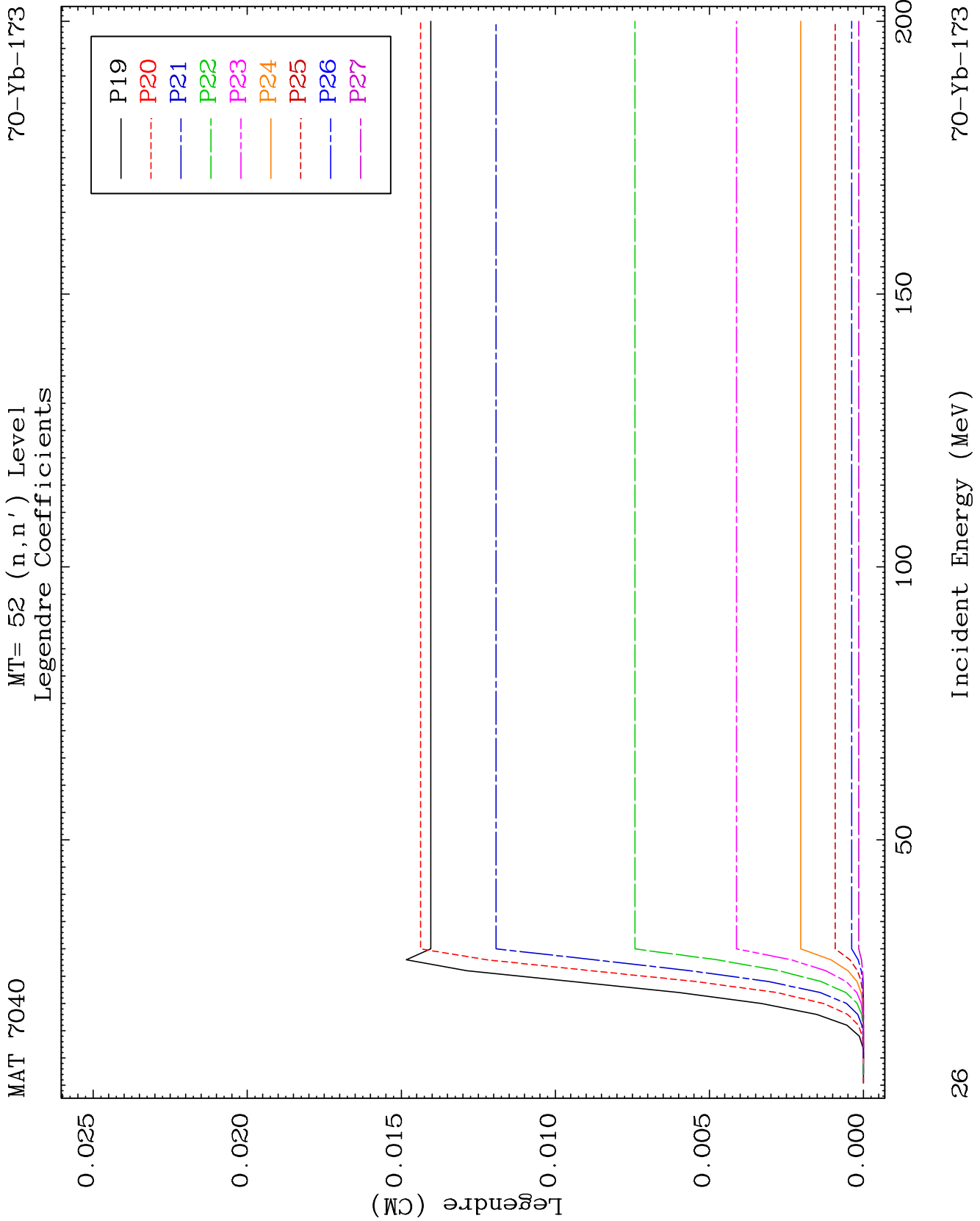








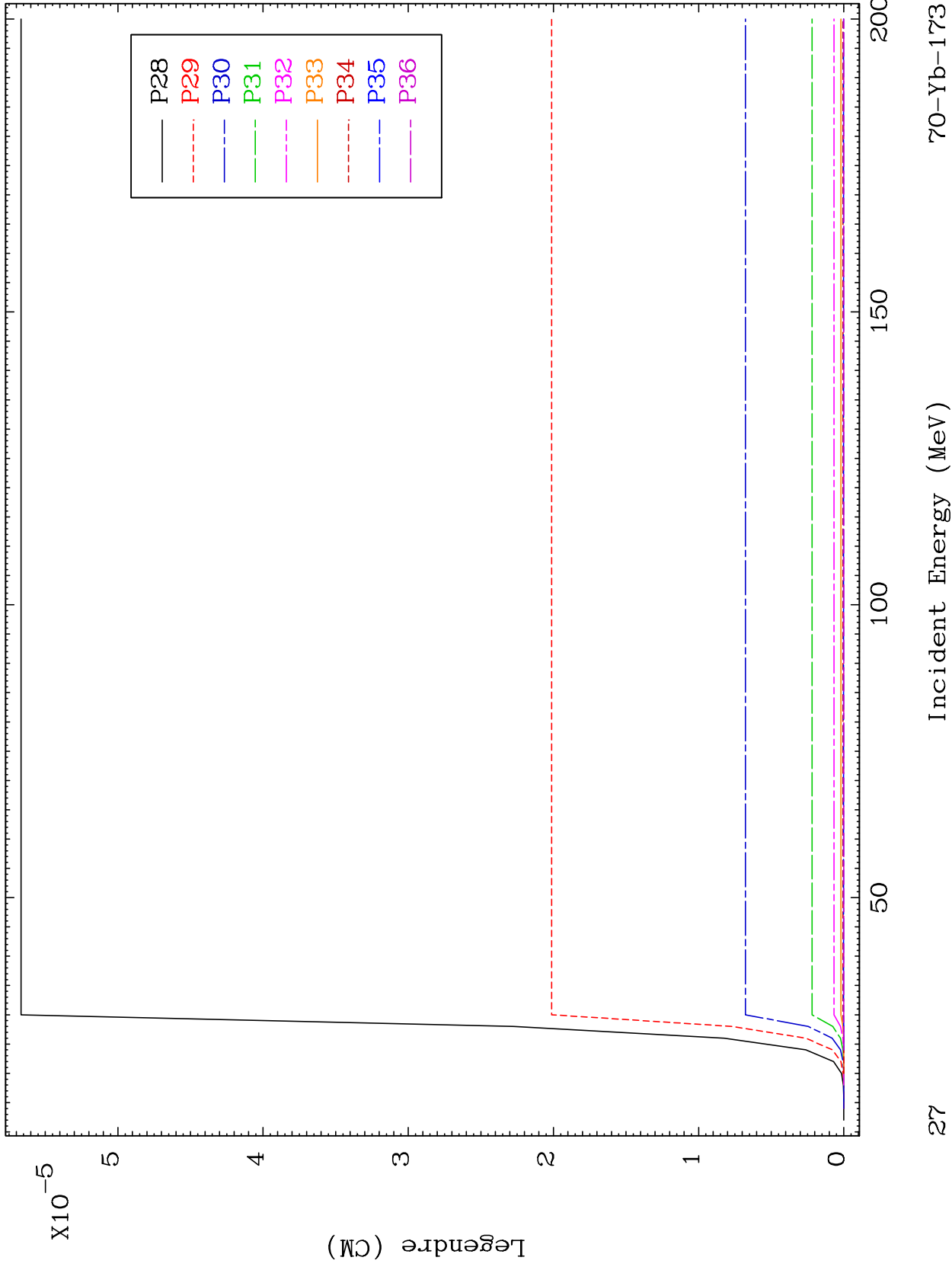




MAT 7040

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

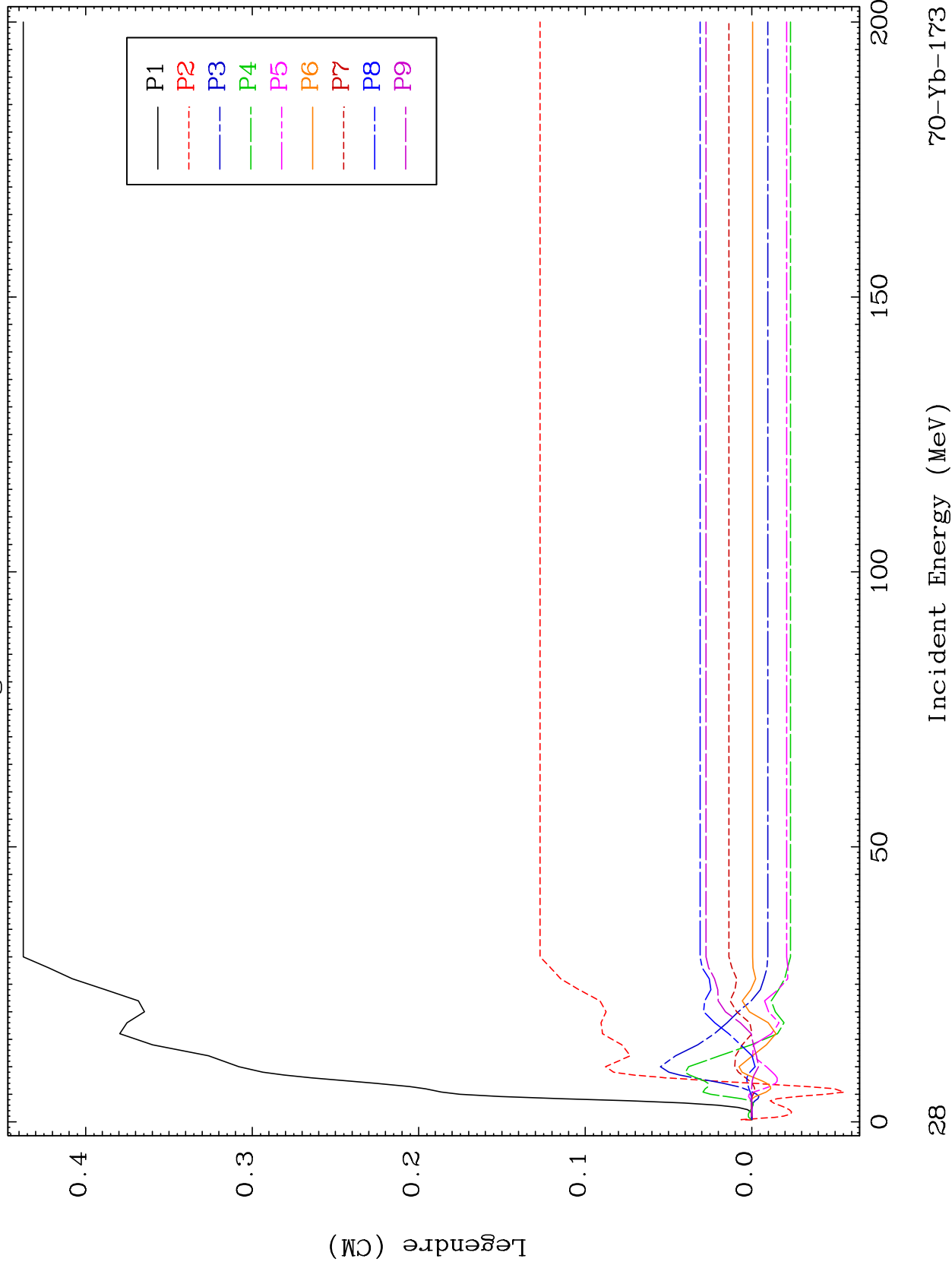
70-Yb-173



MAT 7040

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

70-Yb-173



28

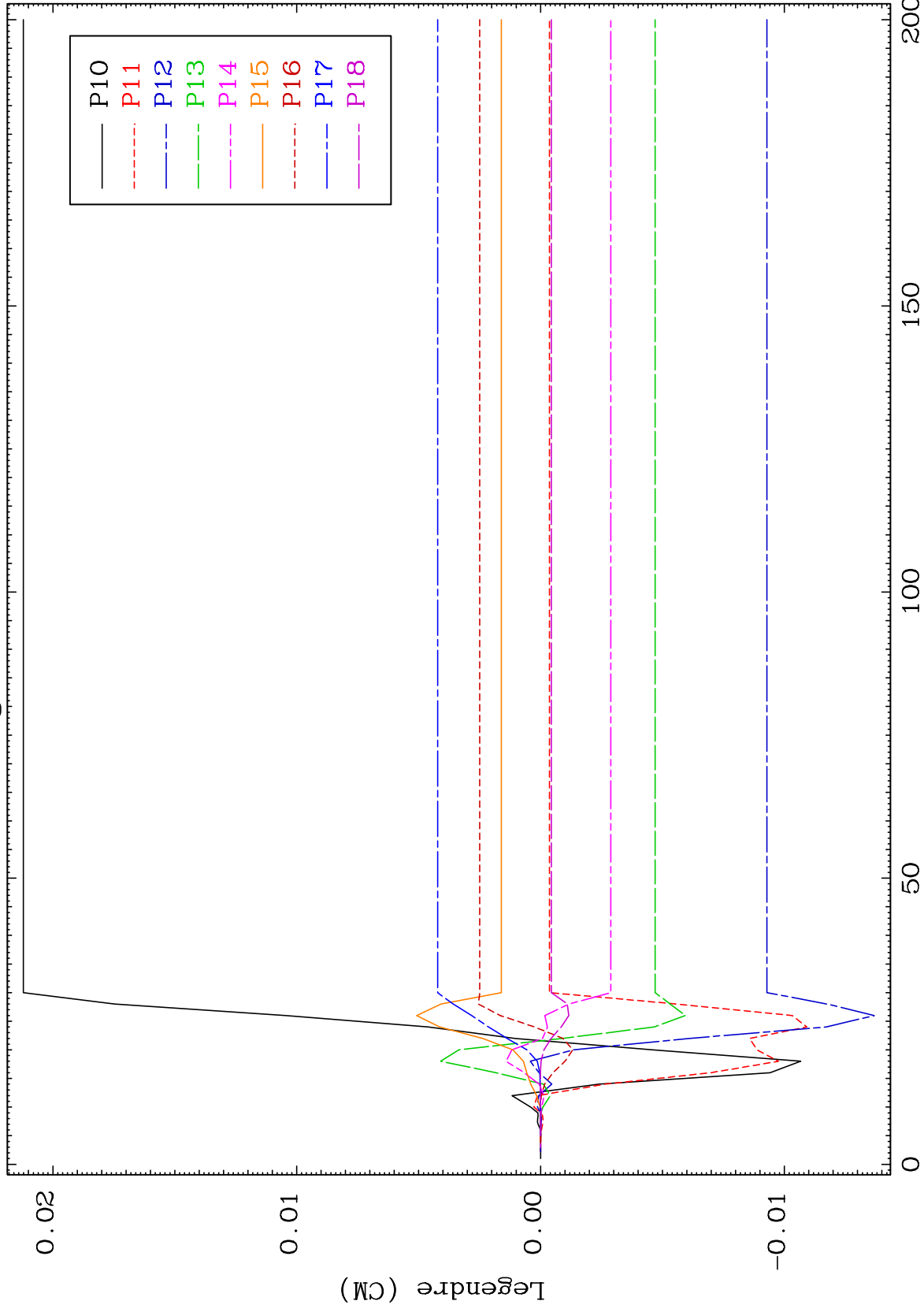
Incident Energy (MeV)

70-Yb-173

MAT 7040

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

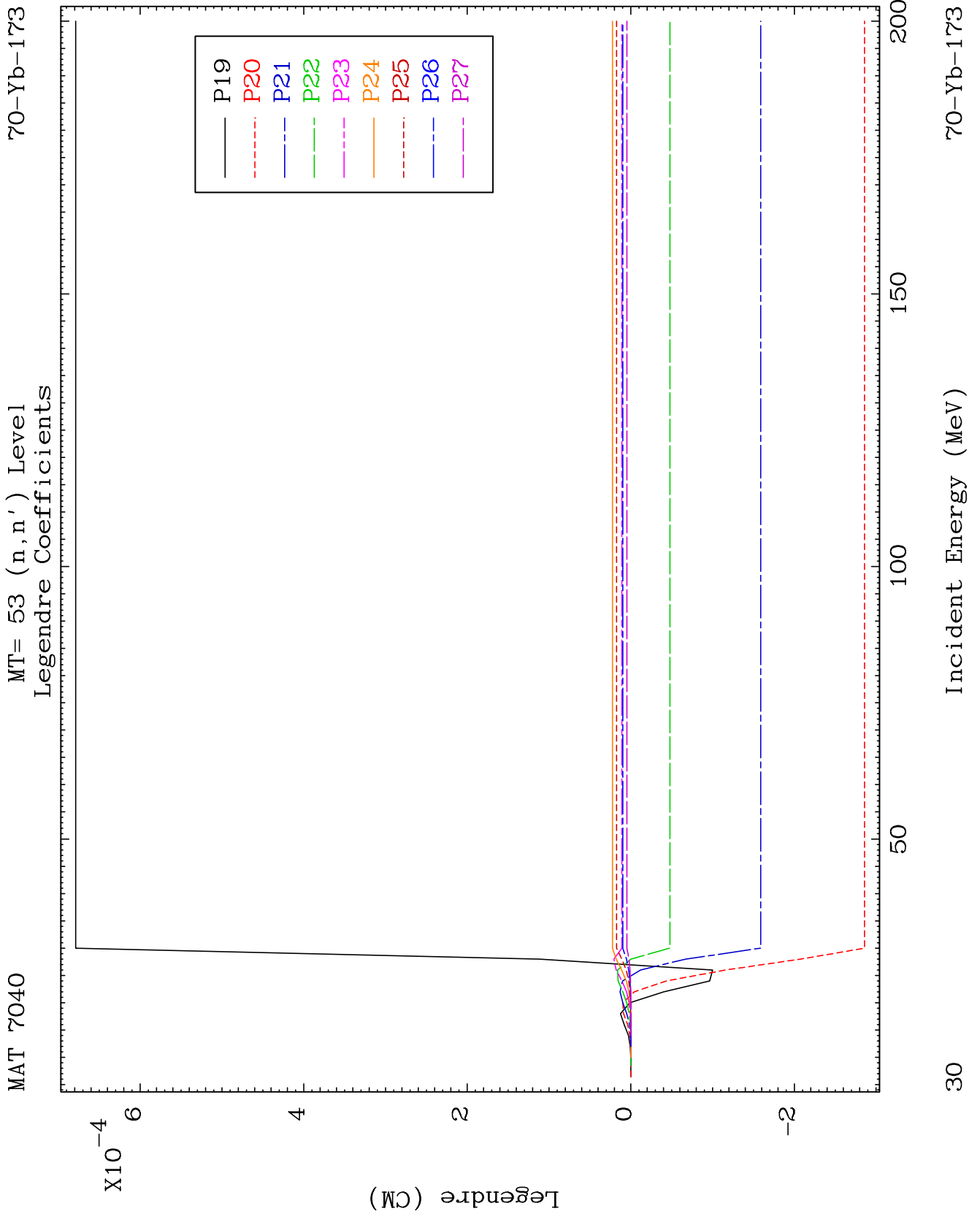
70-Yb-173



29

Incident Energy (MeV)

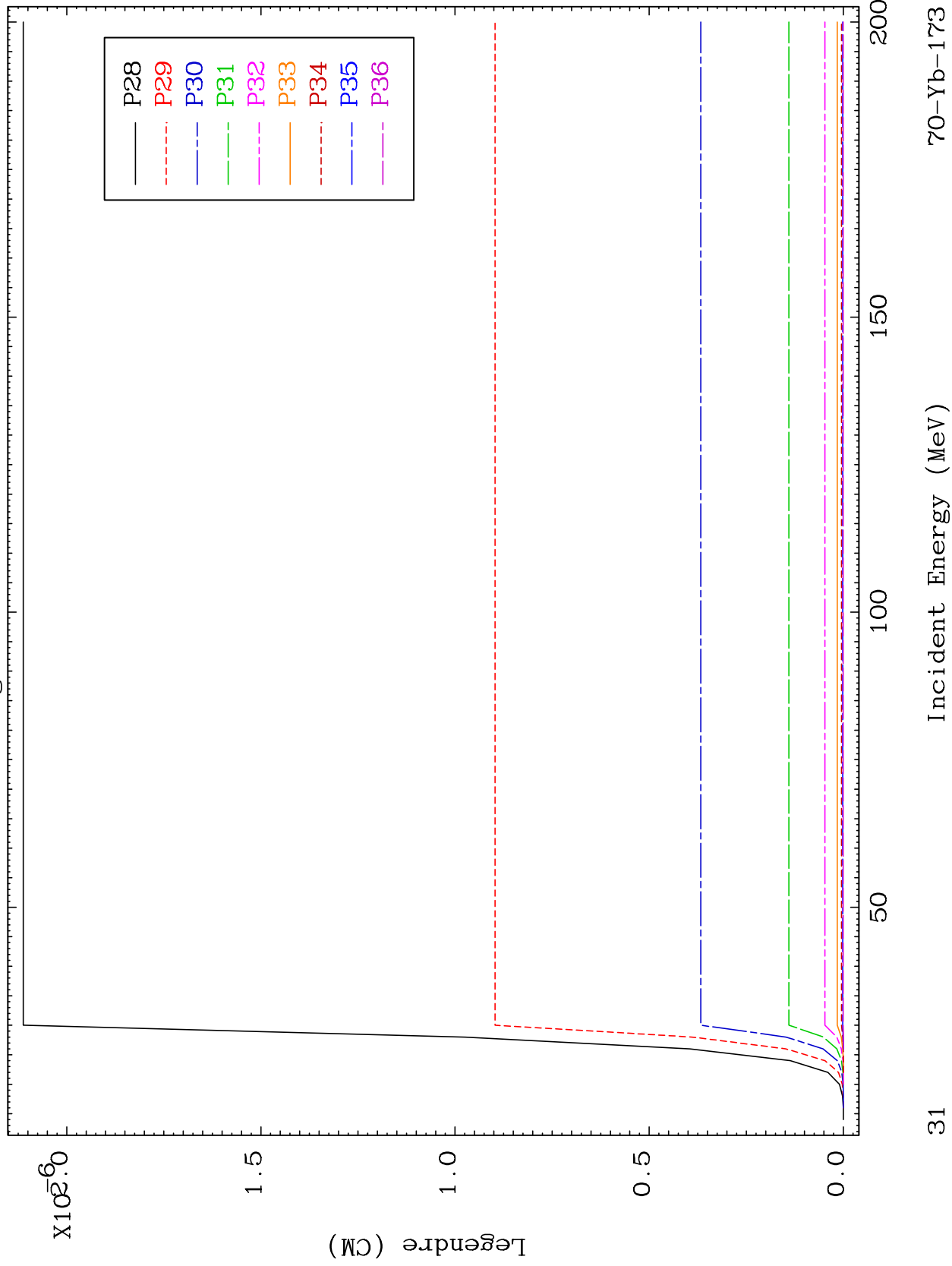
70-Yb-173



MAT 7040

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

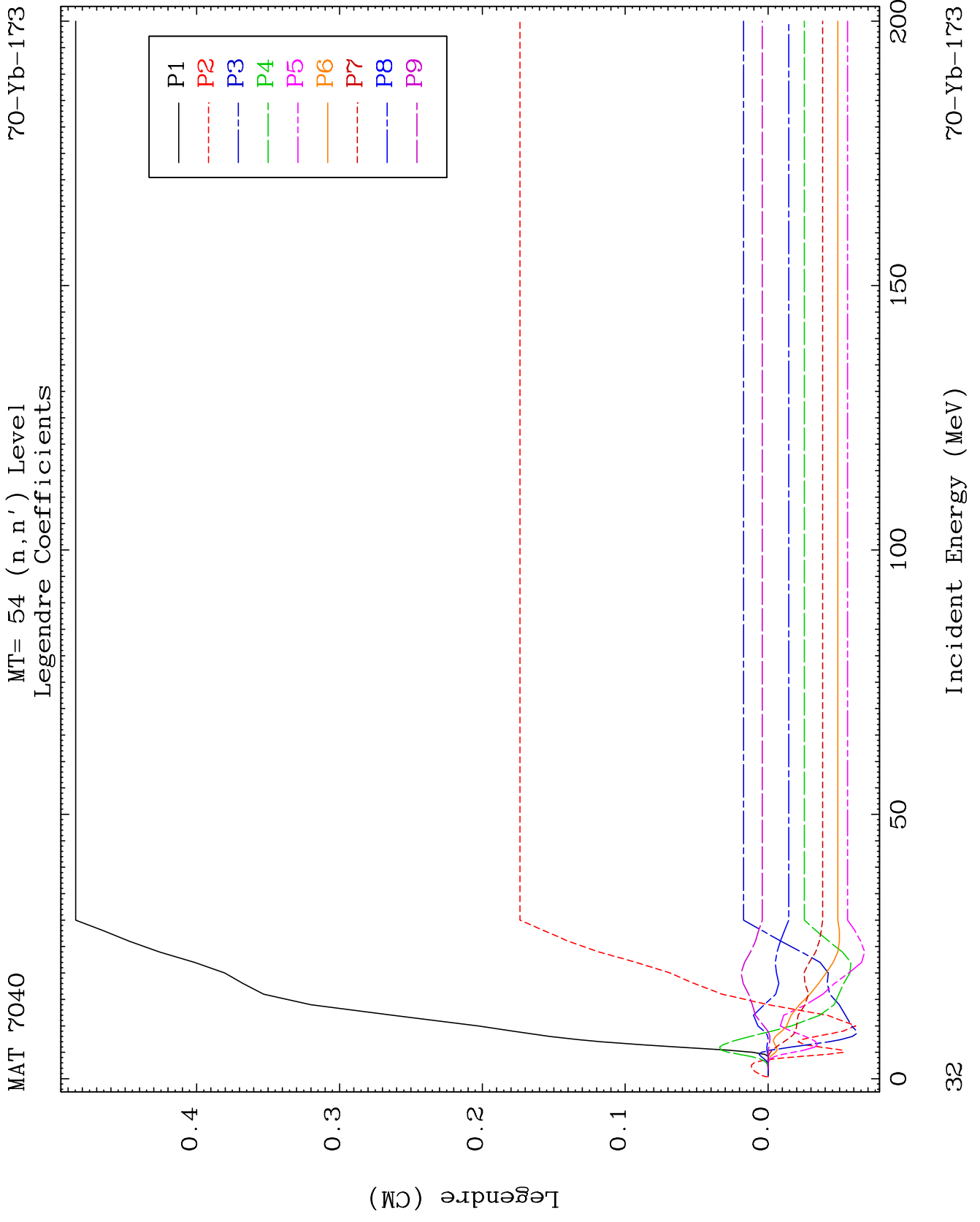
70-Yb-173



31

Incident Energy (MeV)

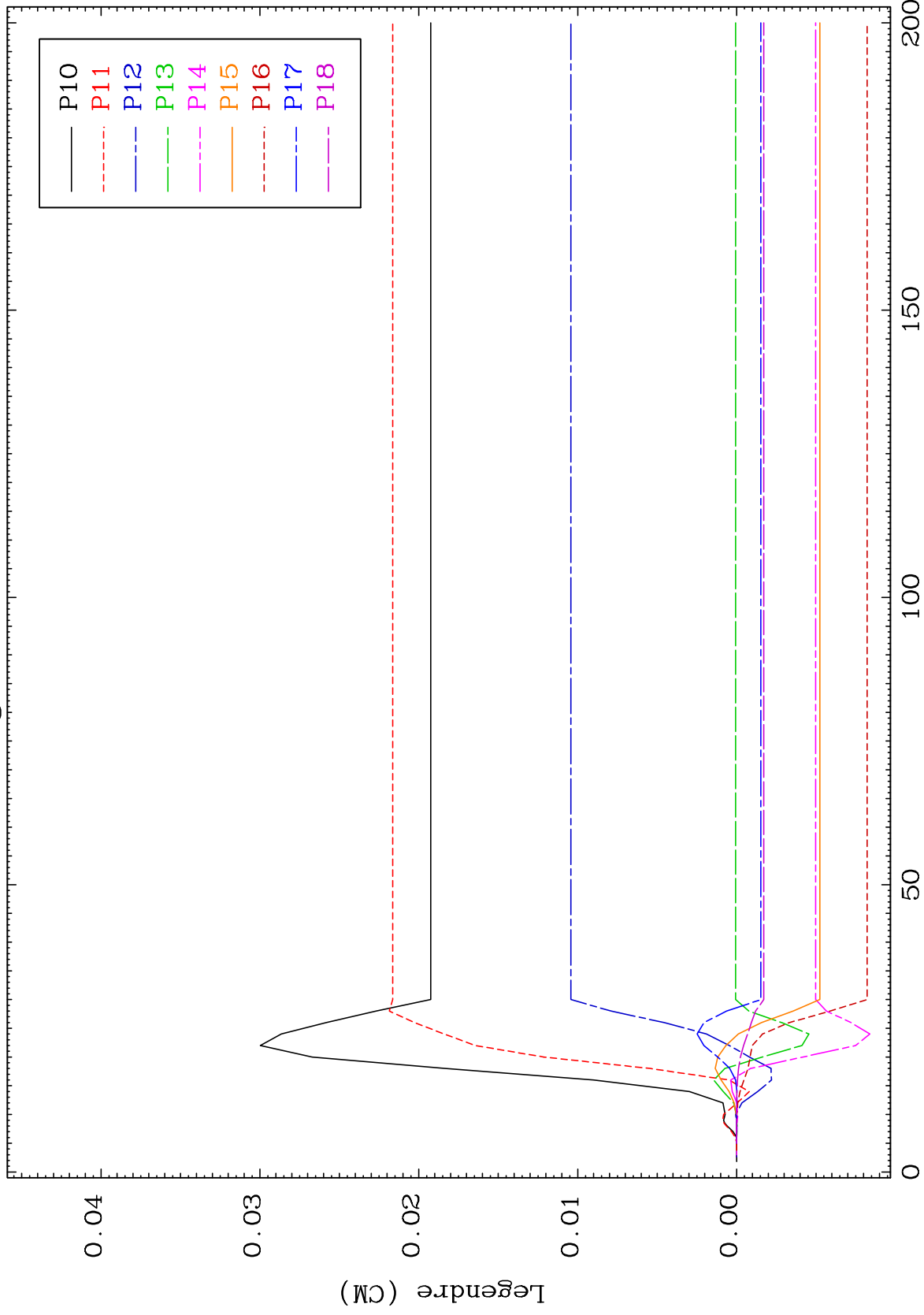
70-Yb-173



MAT 7040

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

70-Yb-173



33

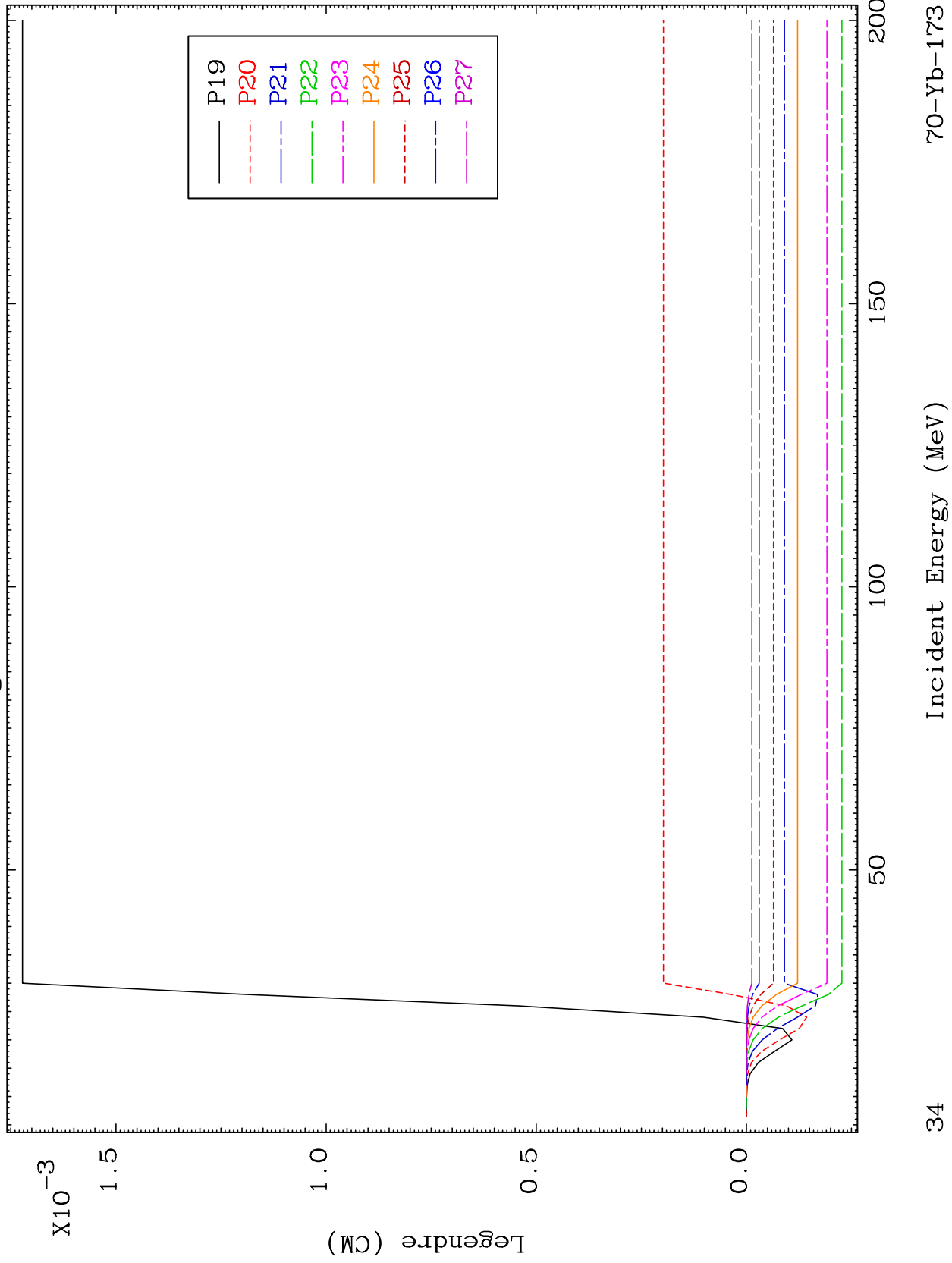
Incident Energy (MeV)

70-Yb-173

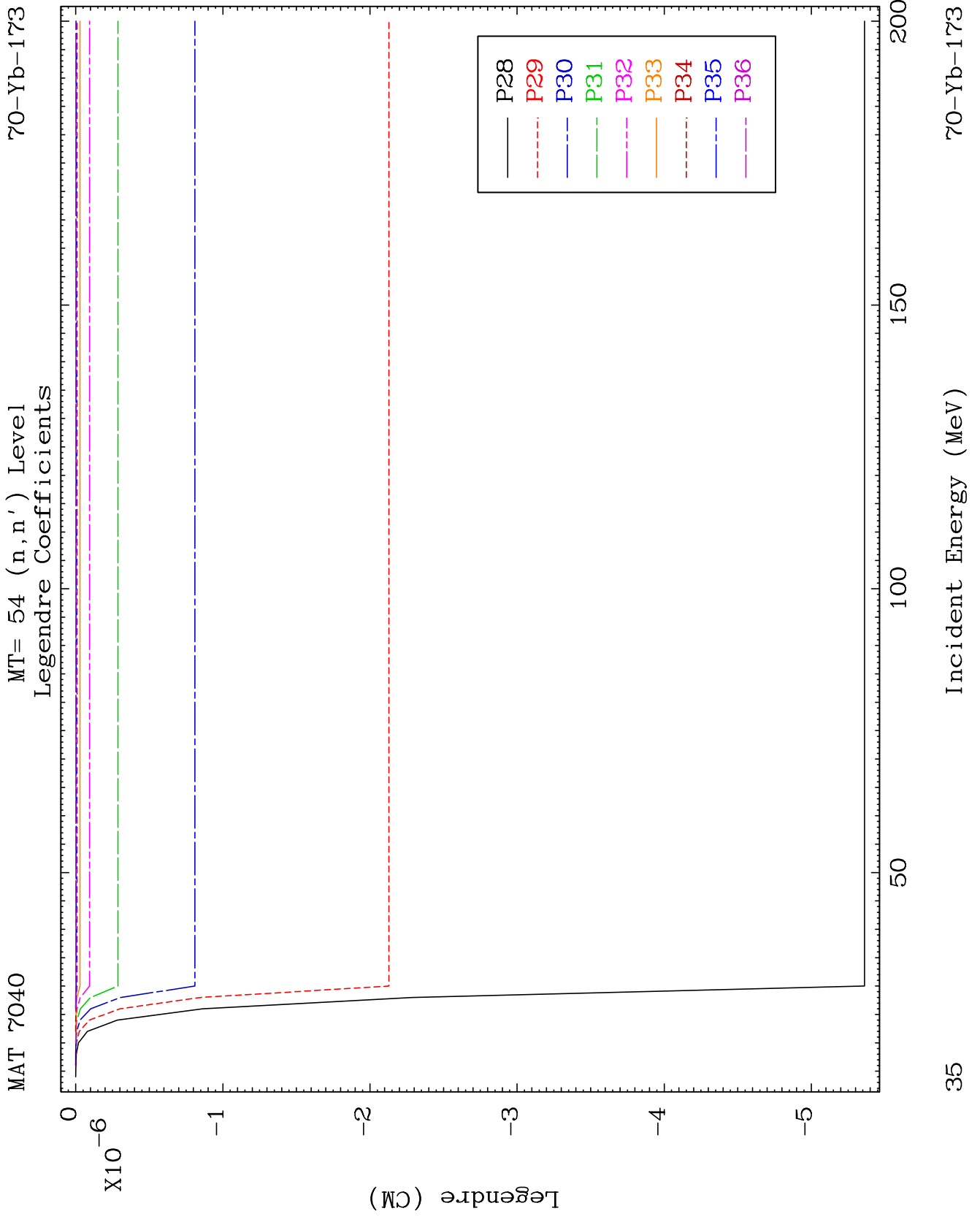
MAT 7040

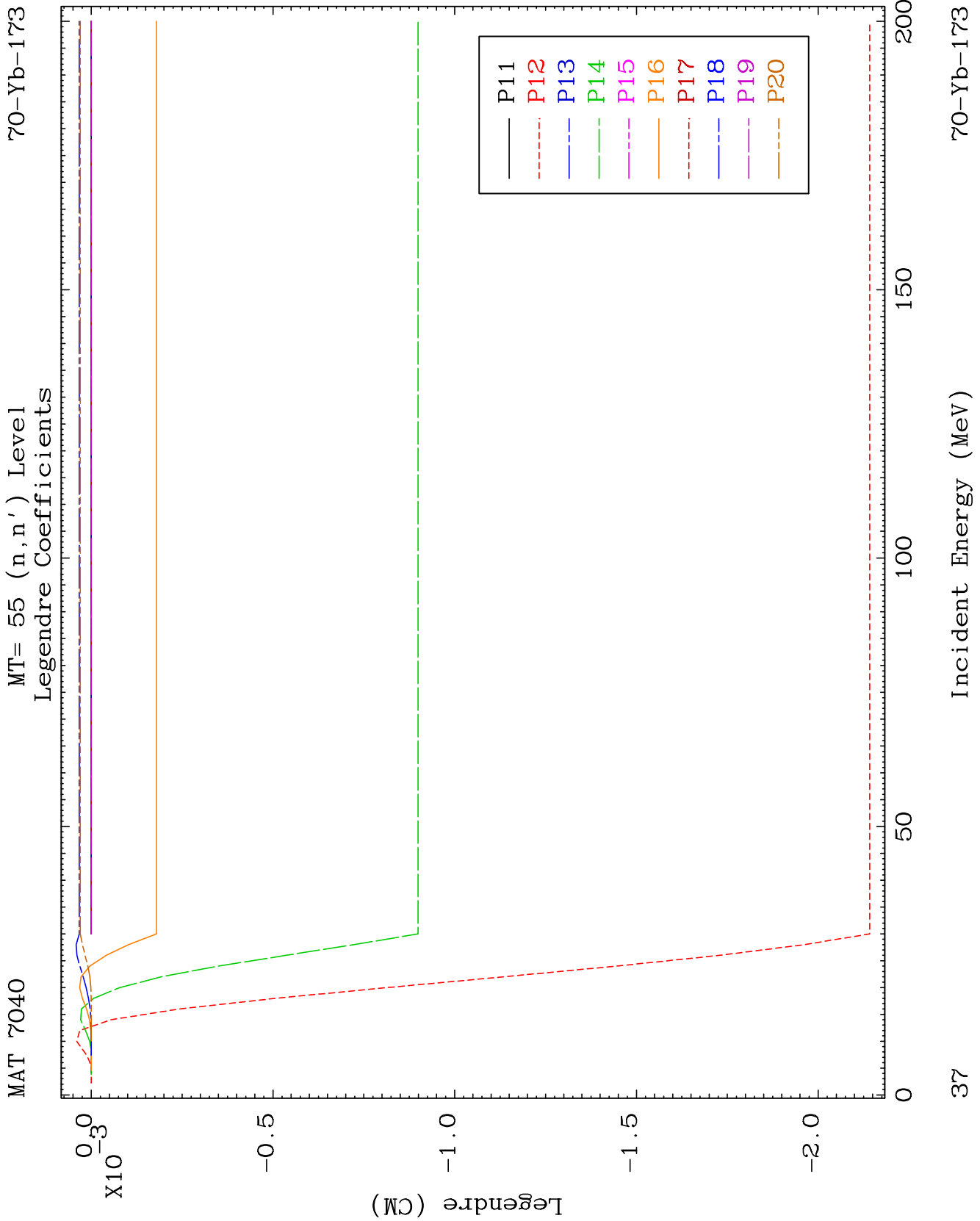
MT= 54 (n,n') Level
Legendre Coefficients

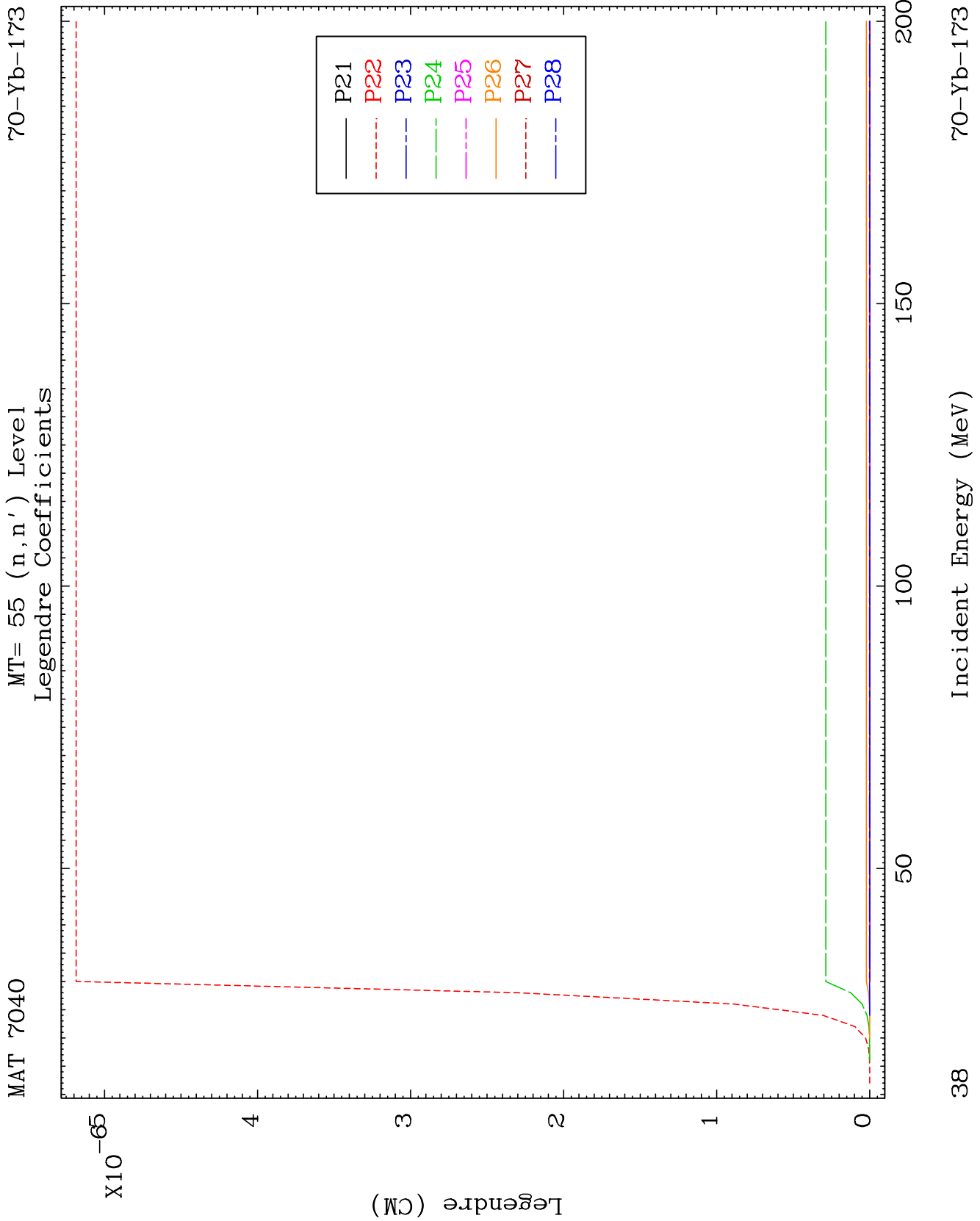
70-Yb-173



34



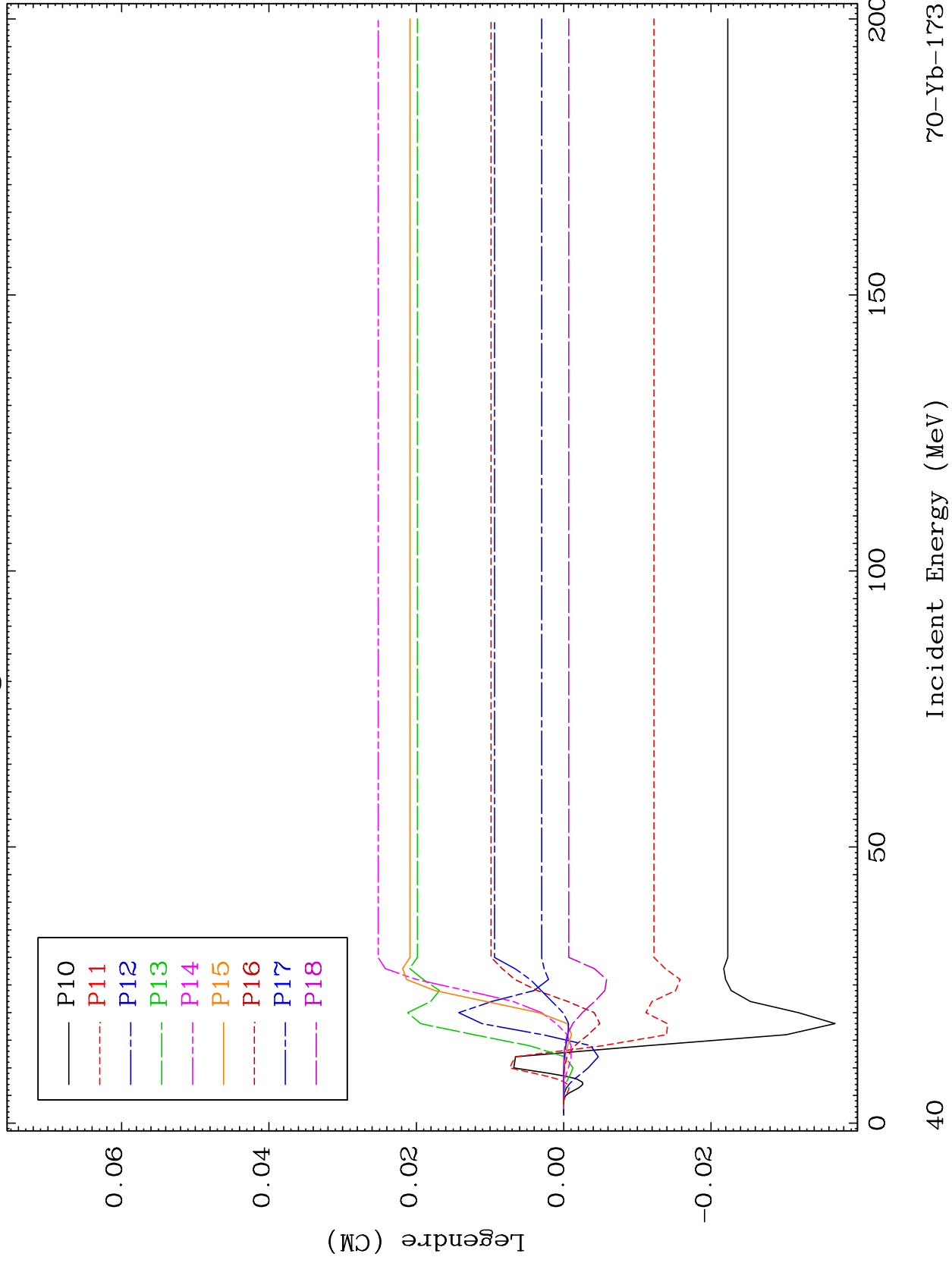




MAT 7040

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

70-Yb-173



70-Yb-173

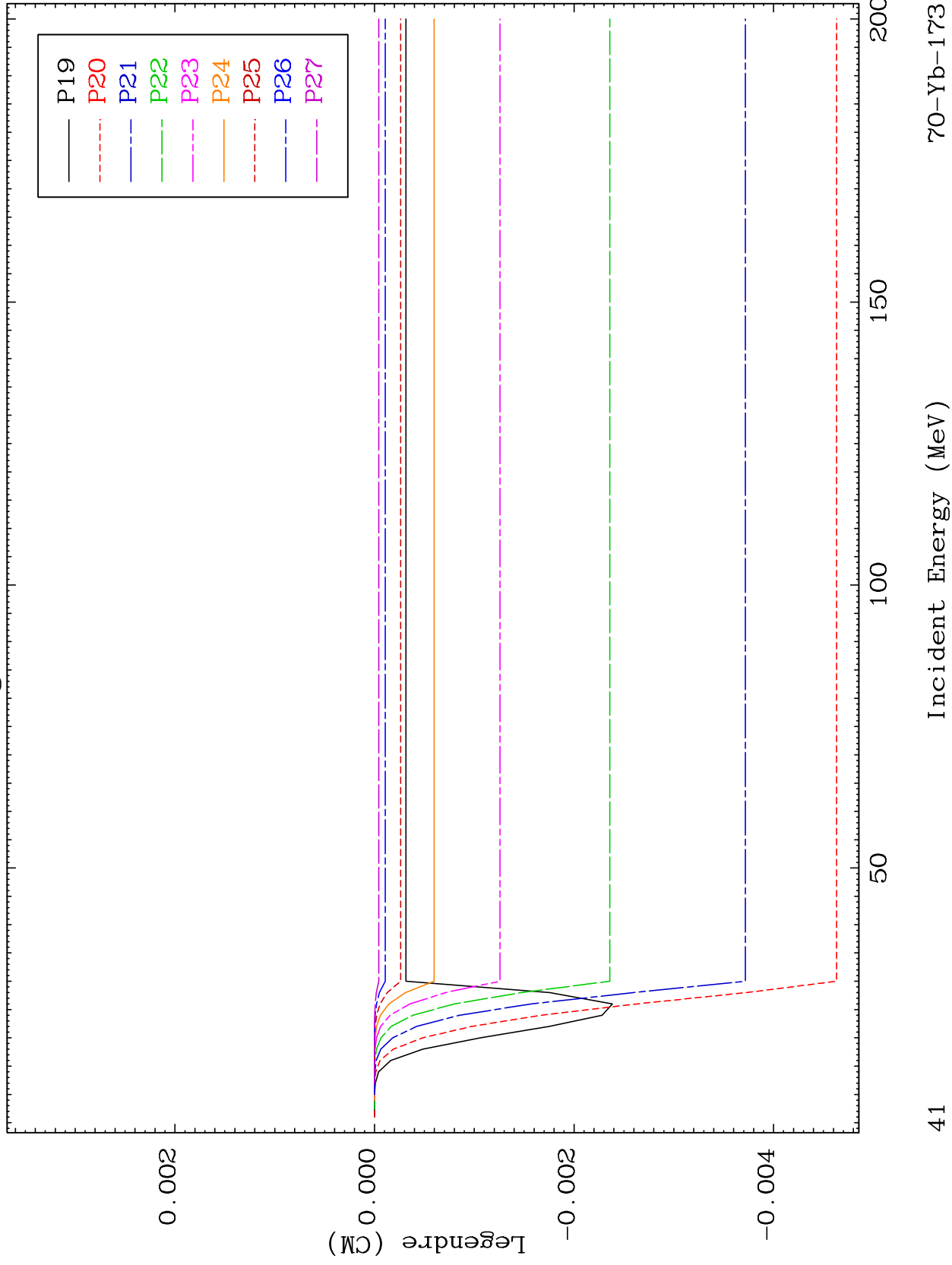
Incident Energy (MeV)

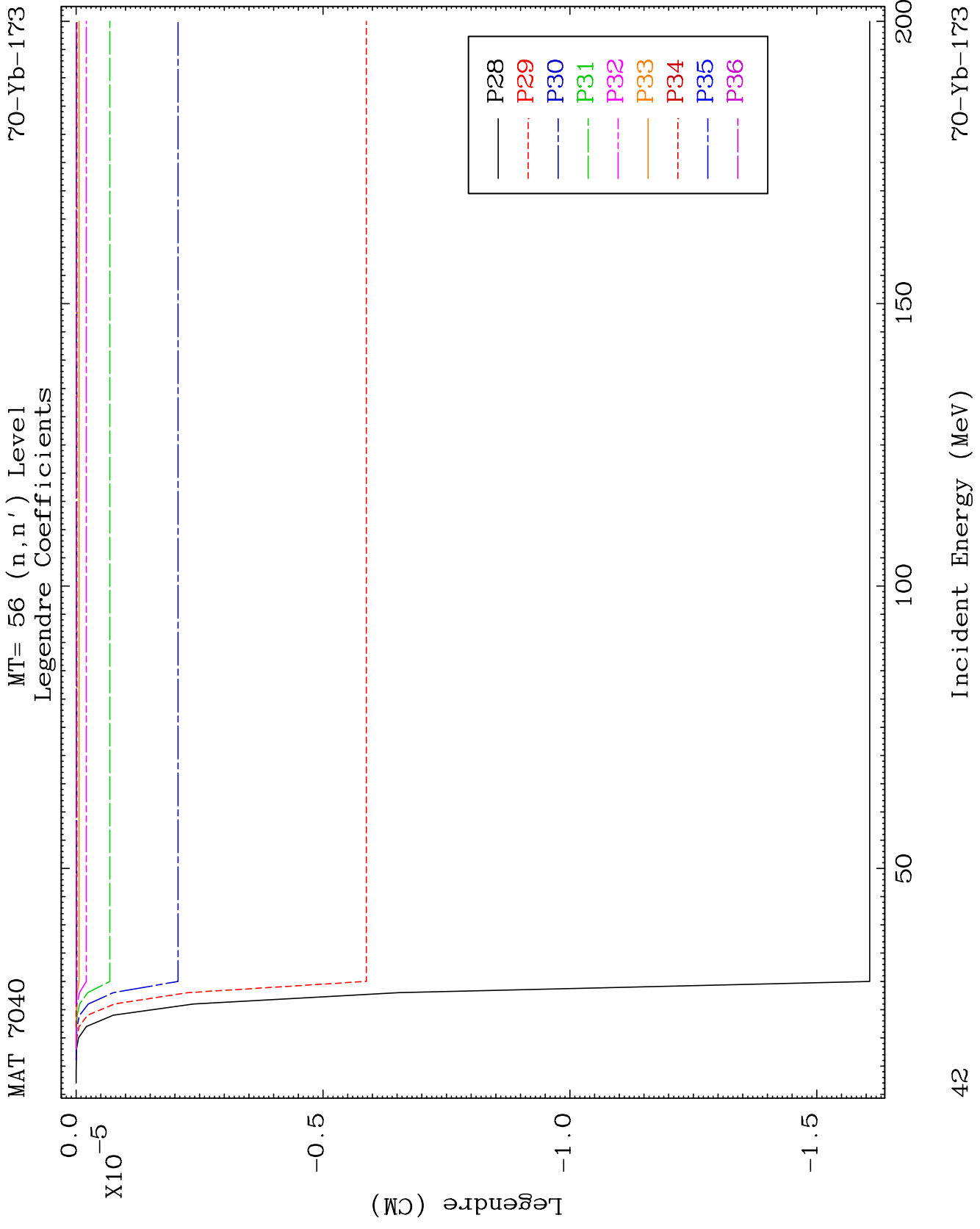
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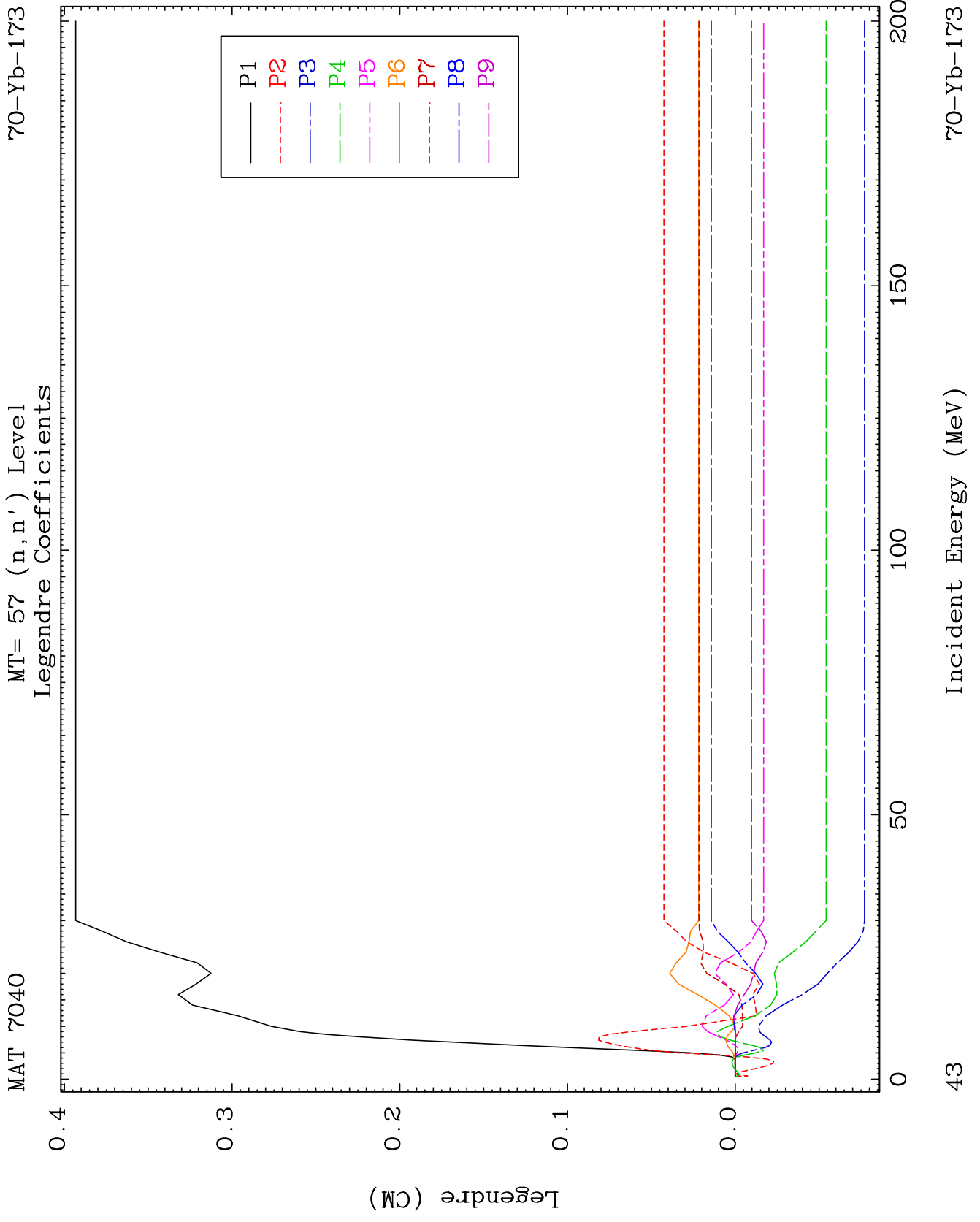
MAT 7040

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

70-Yb-173



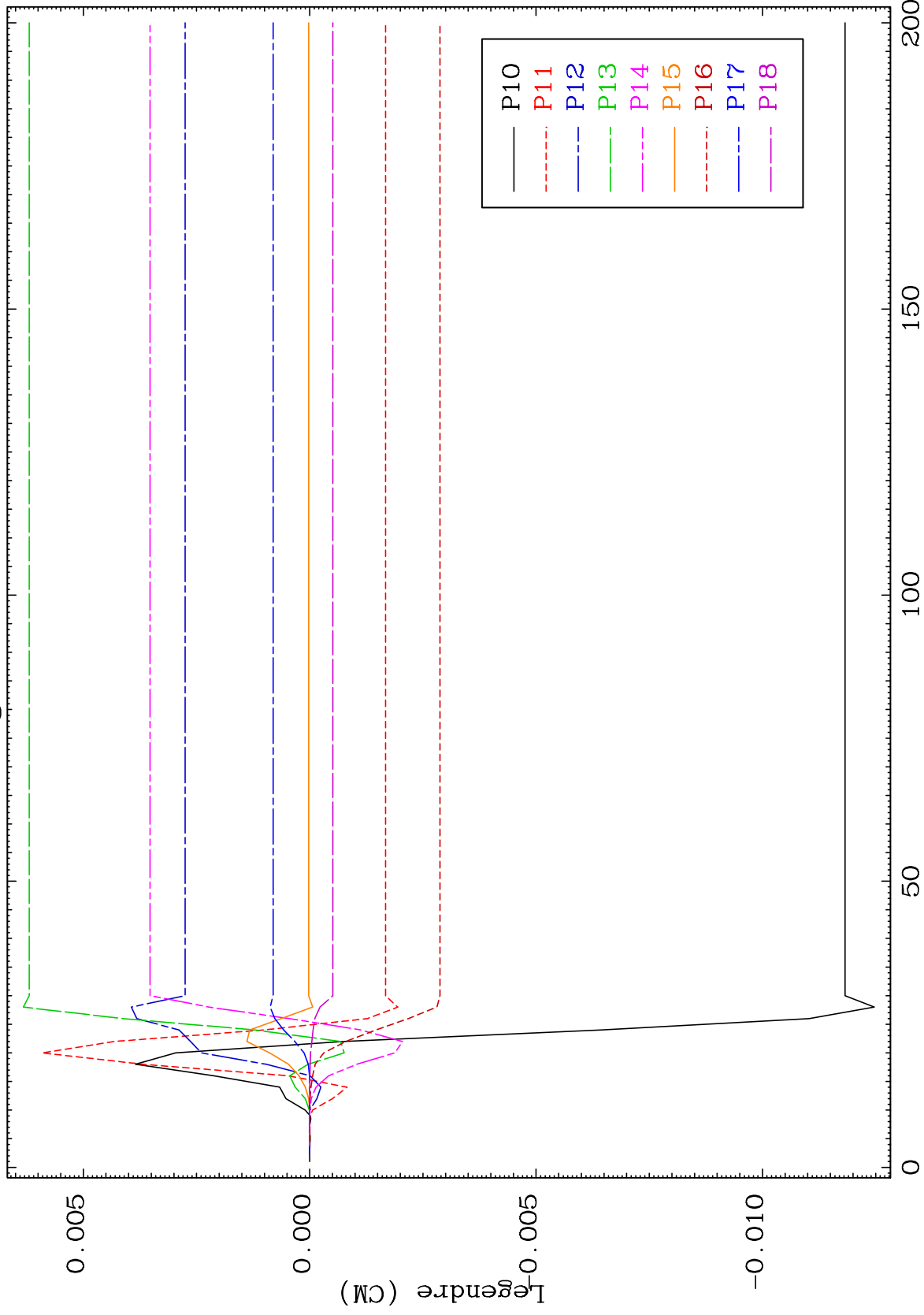




MAT 7040

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

70-Yb-173



44

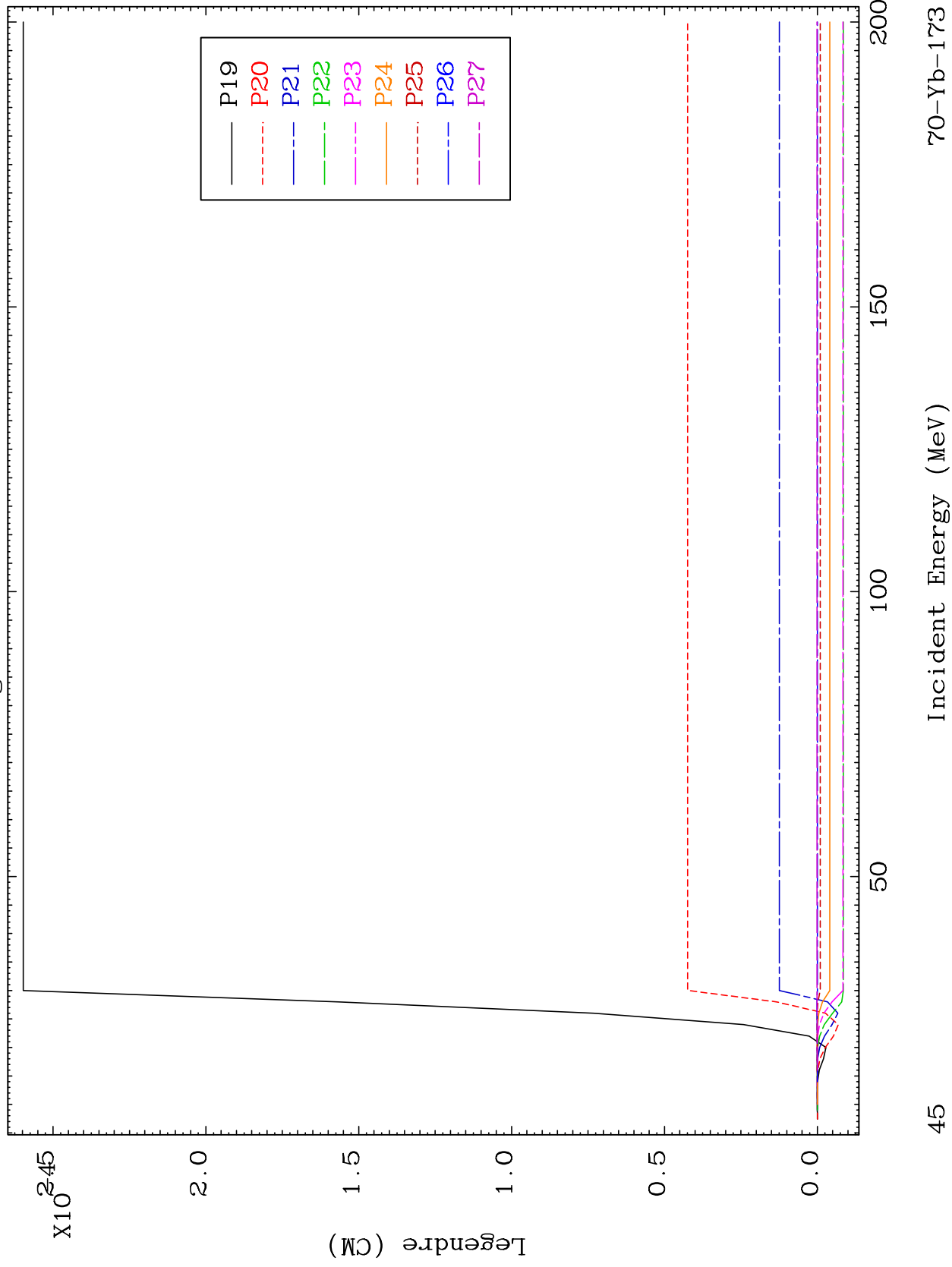
Incident Energy (MeV)

70-Yb-173

MAT 7040

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

70-Yb-173



45

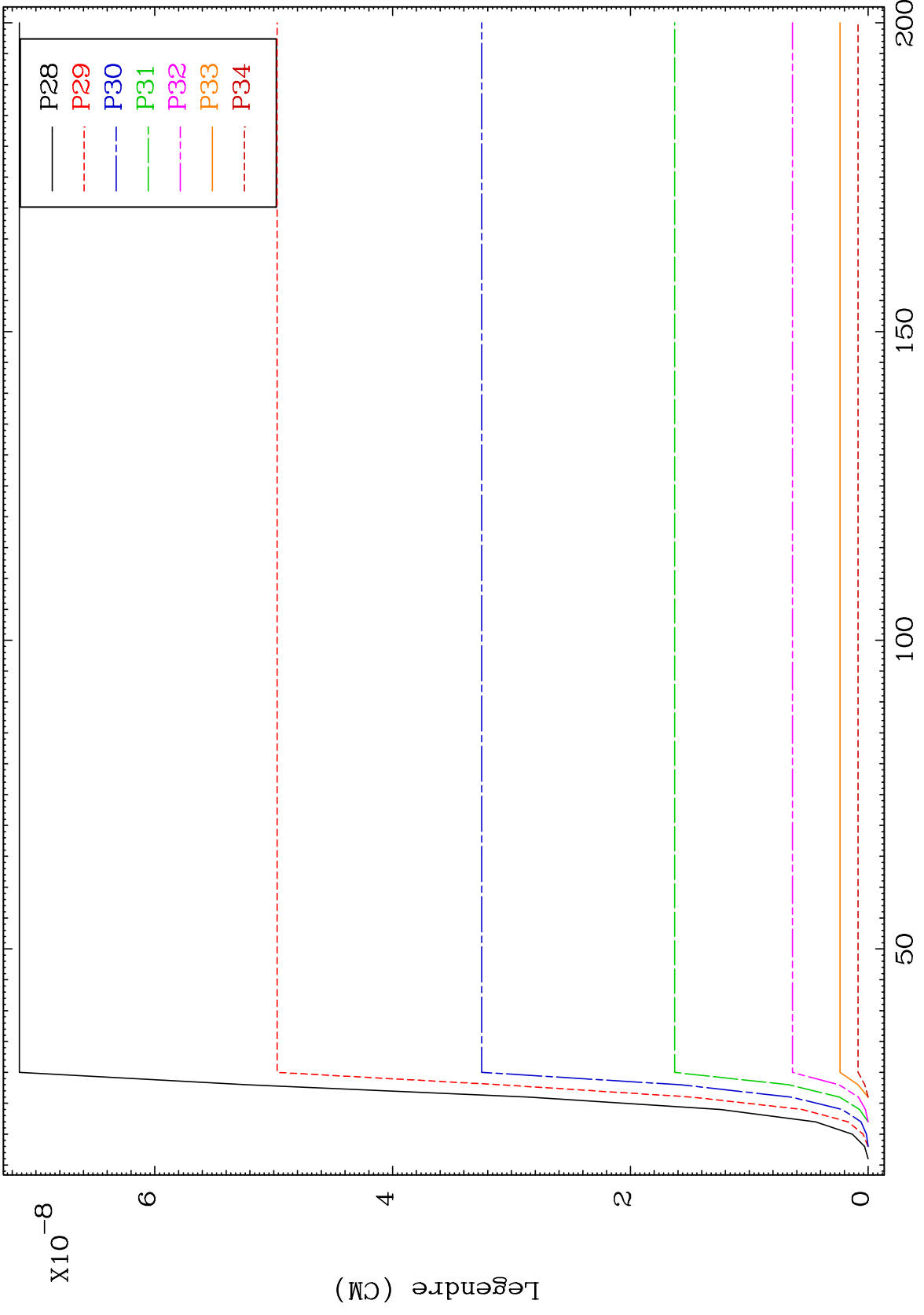
Incident Energy (MeV)

70-Yb-173

MAT 7040

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

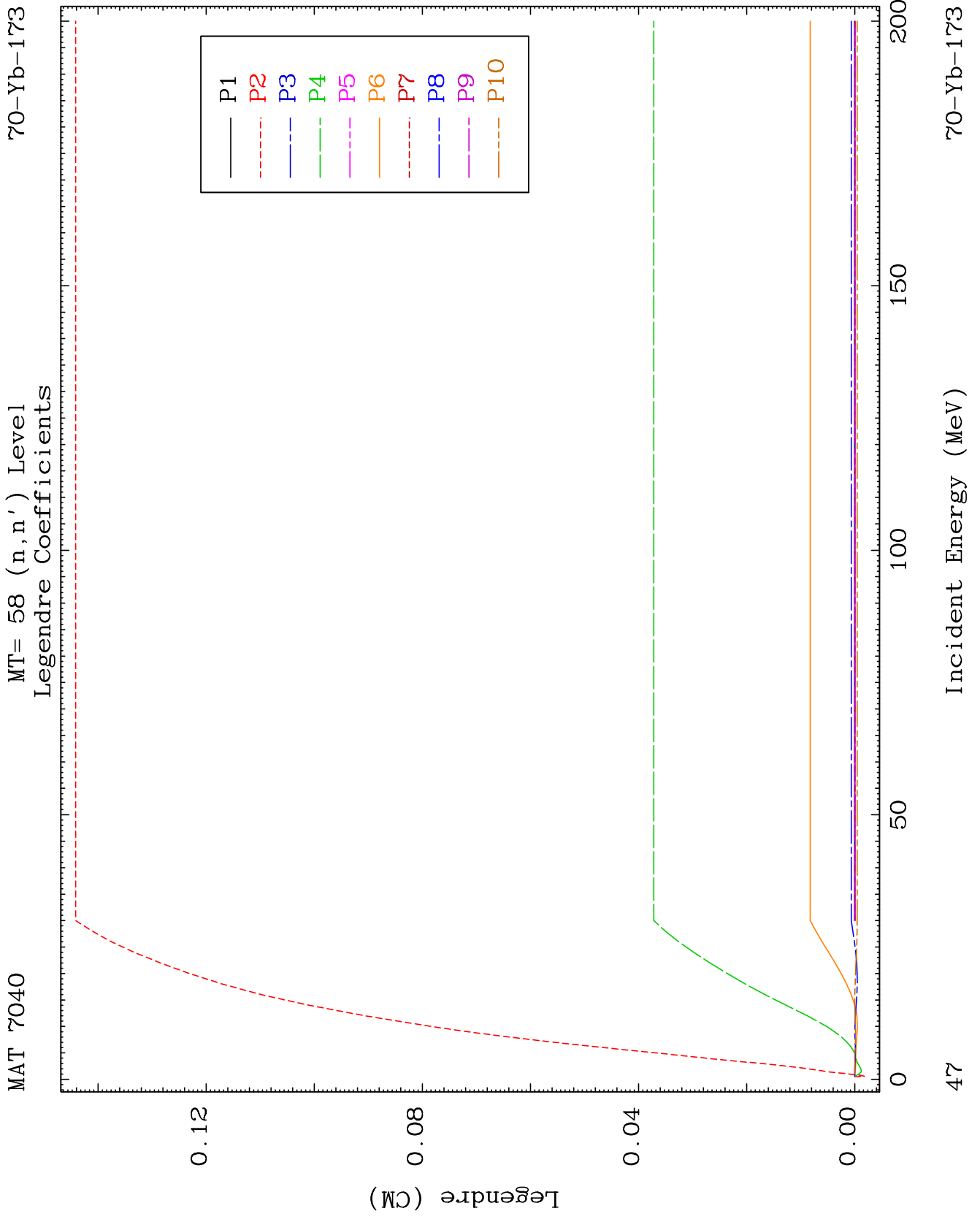
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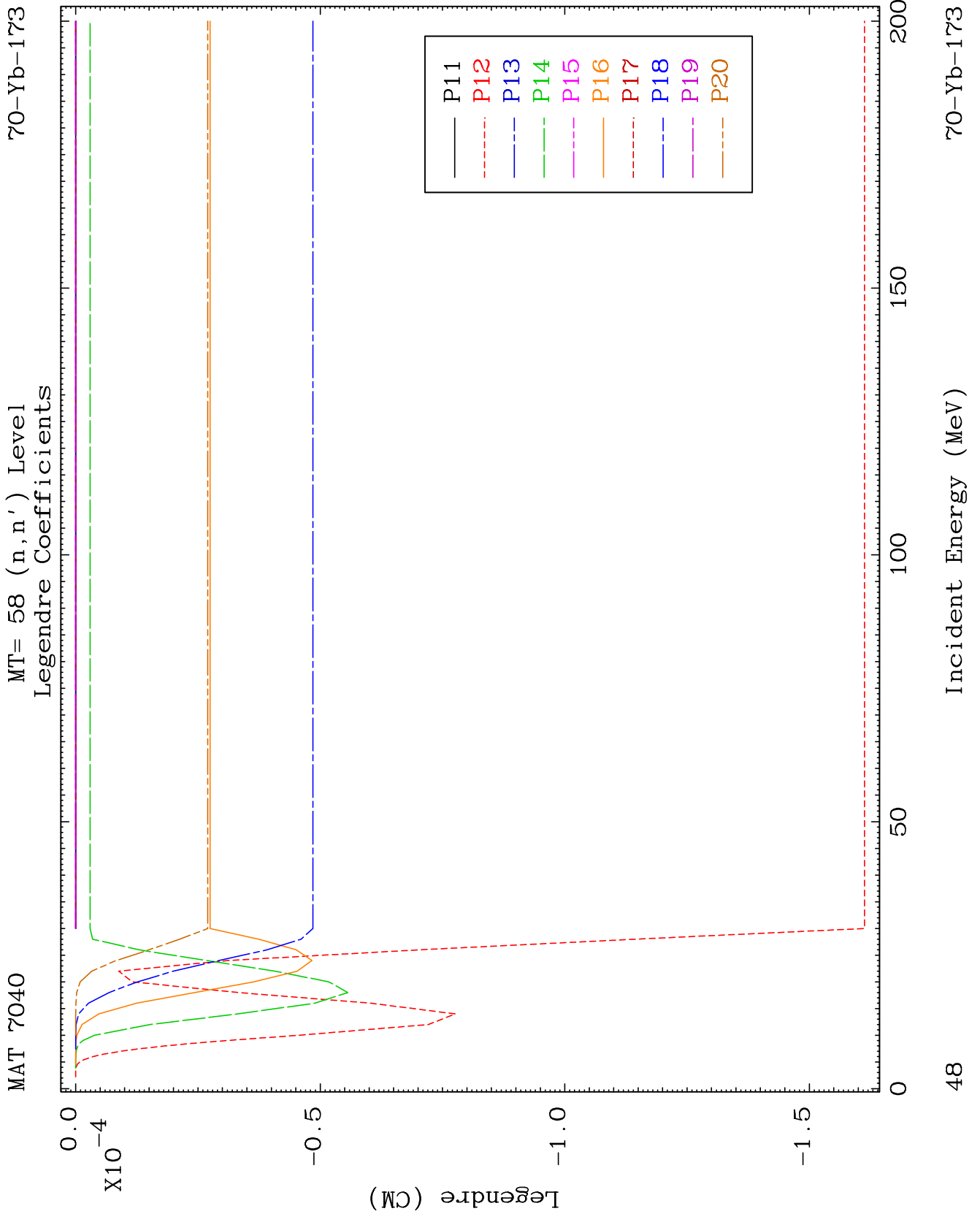


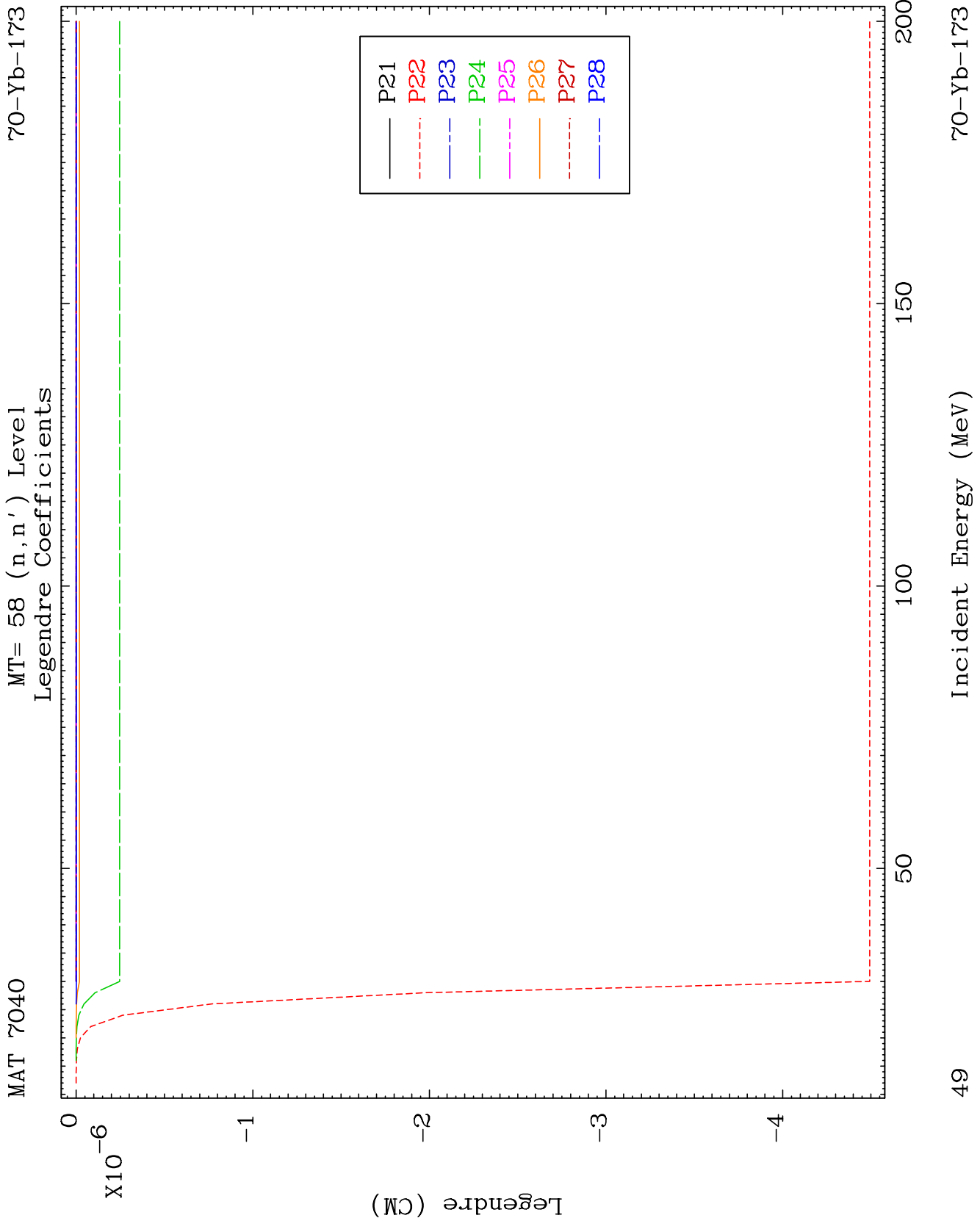
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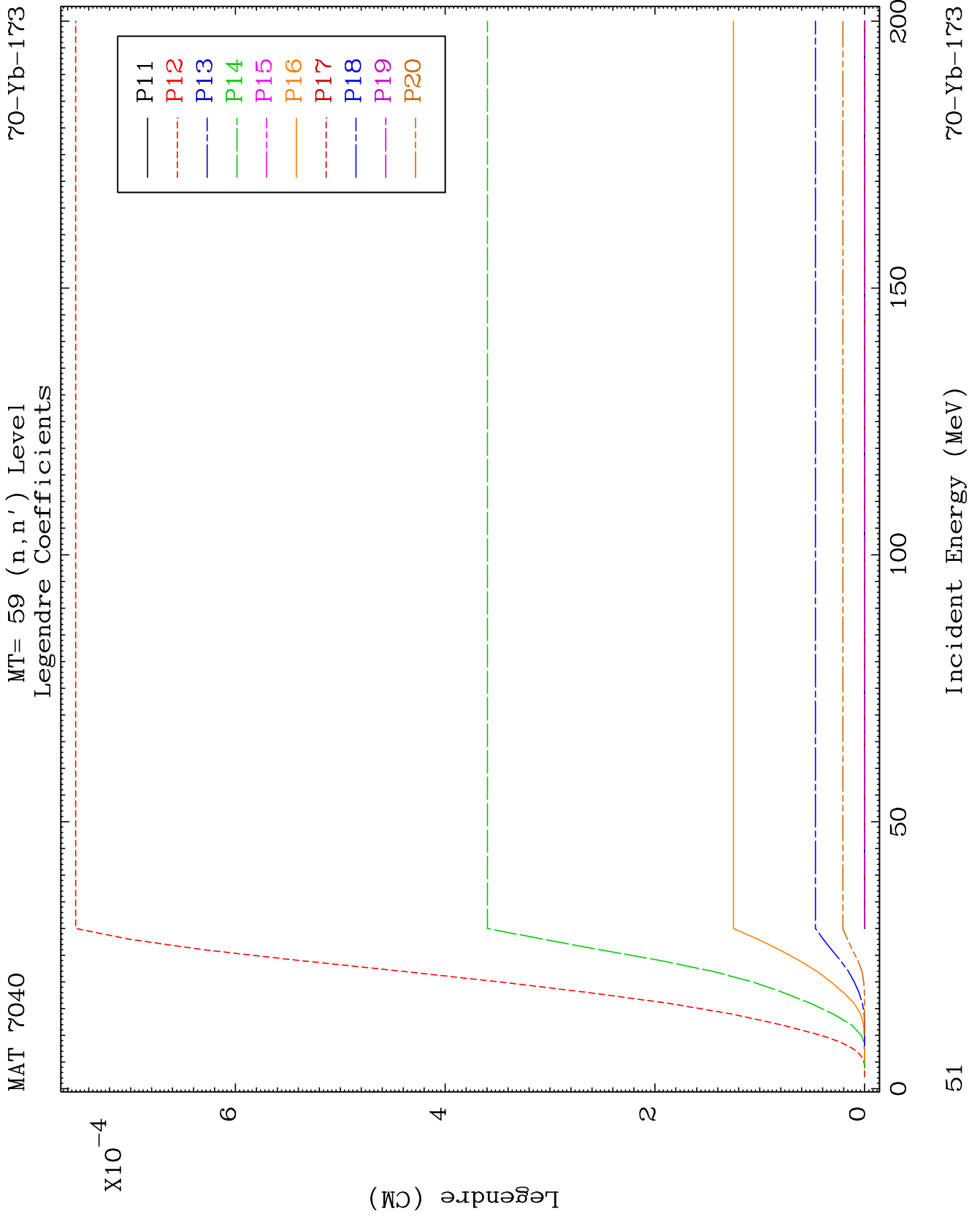
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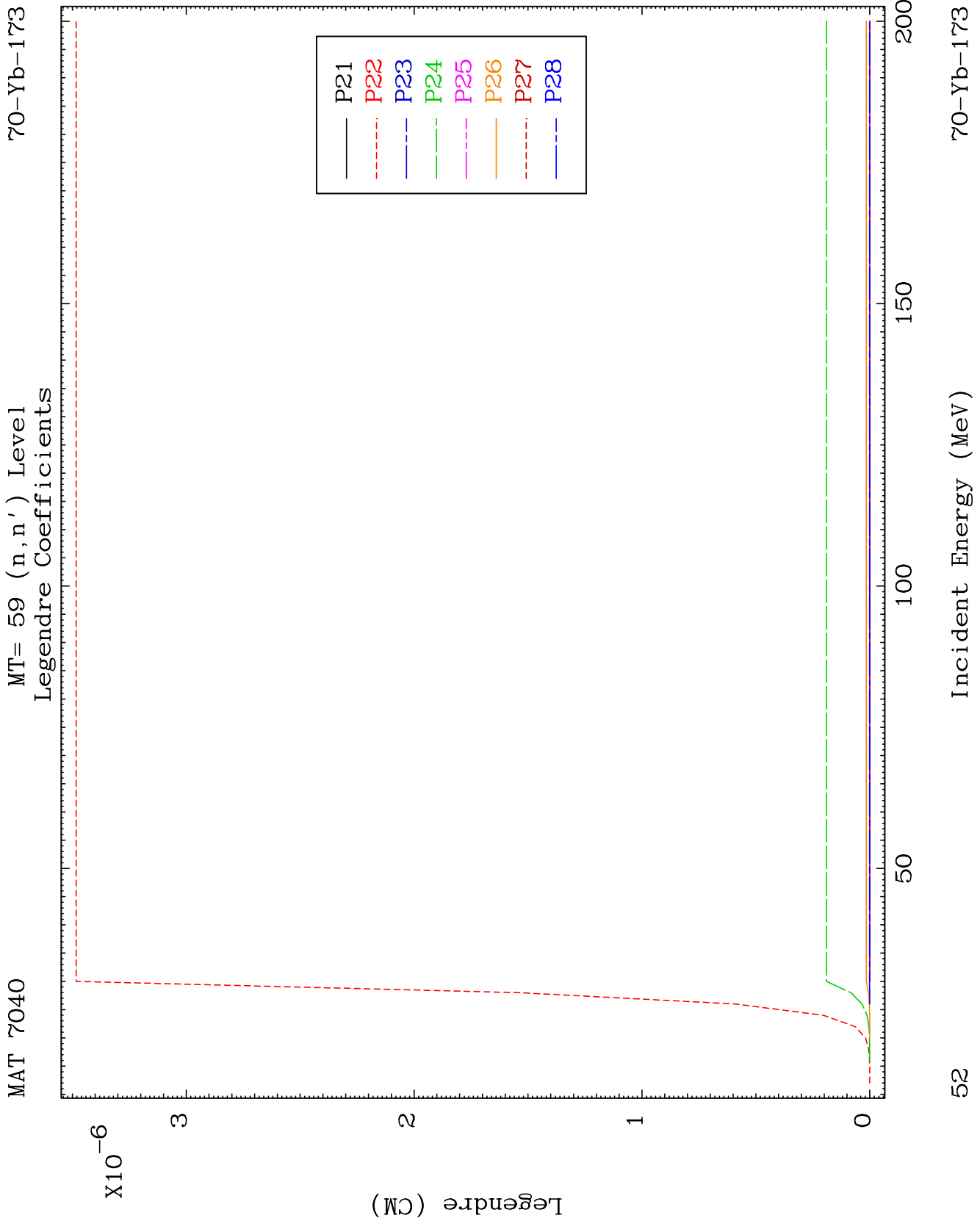
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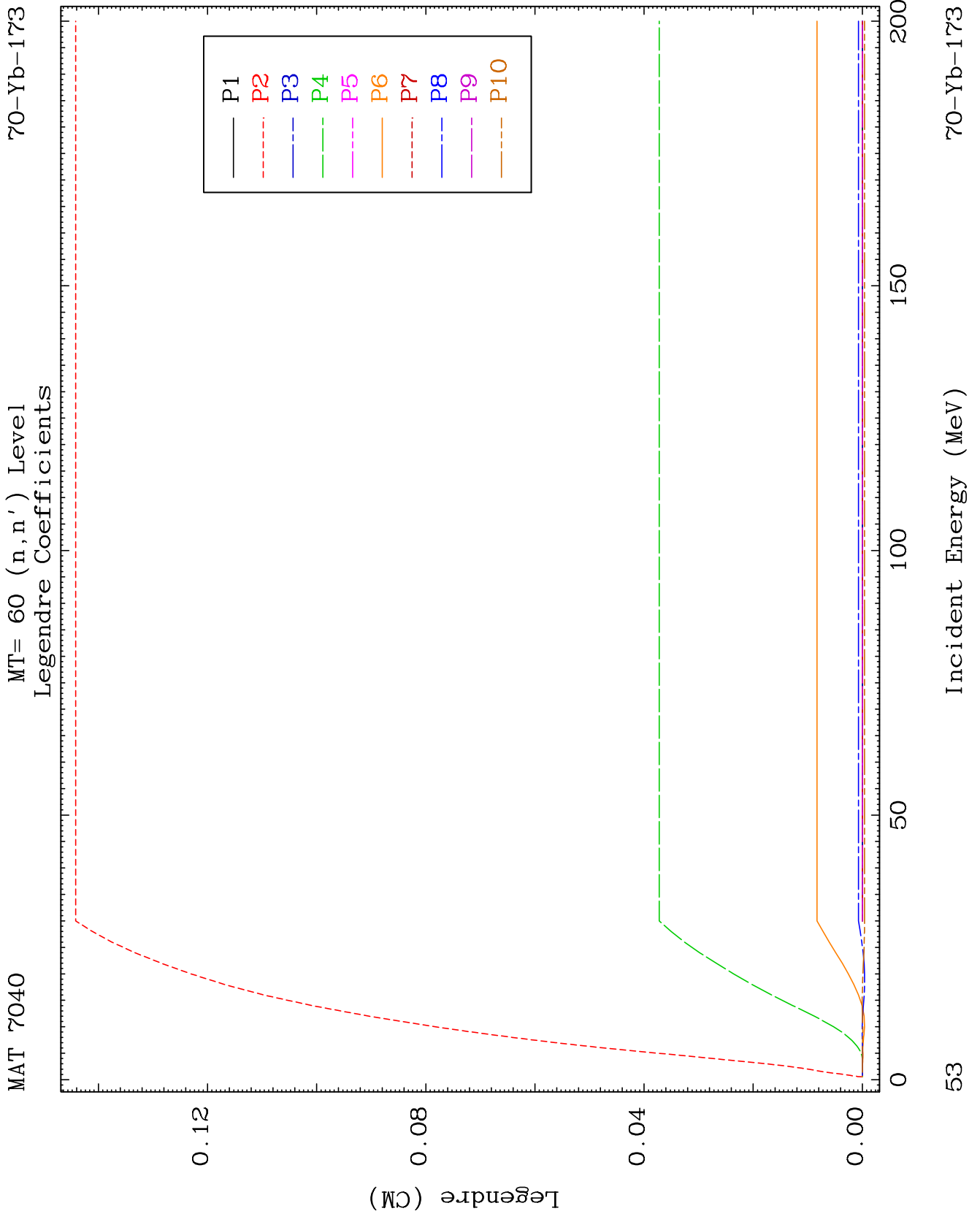








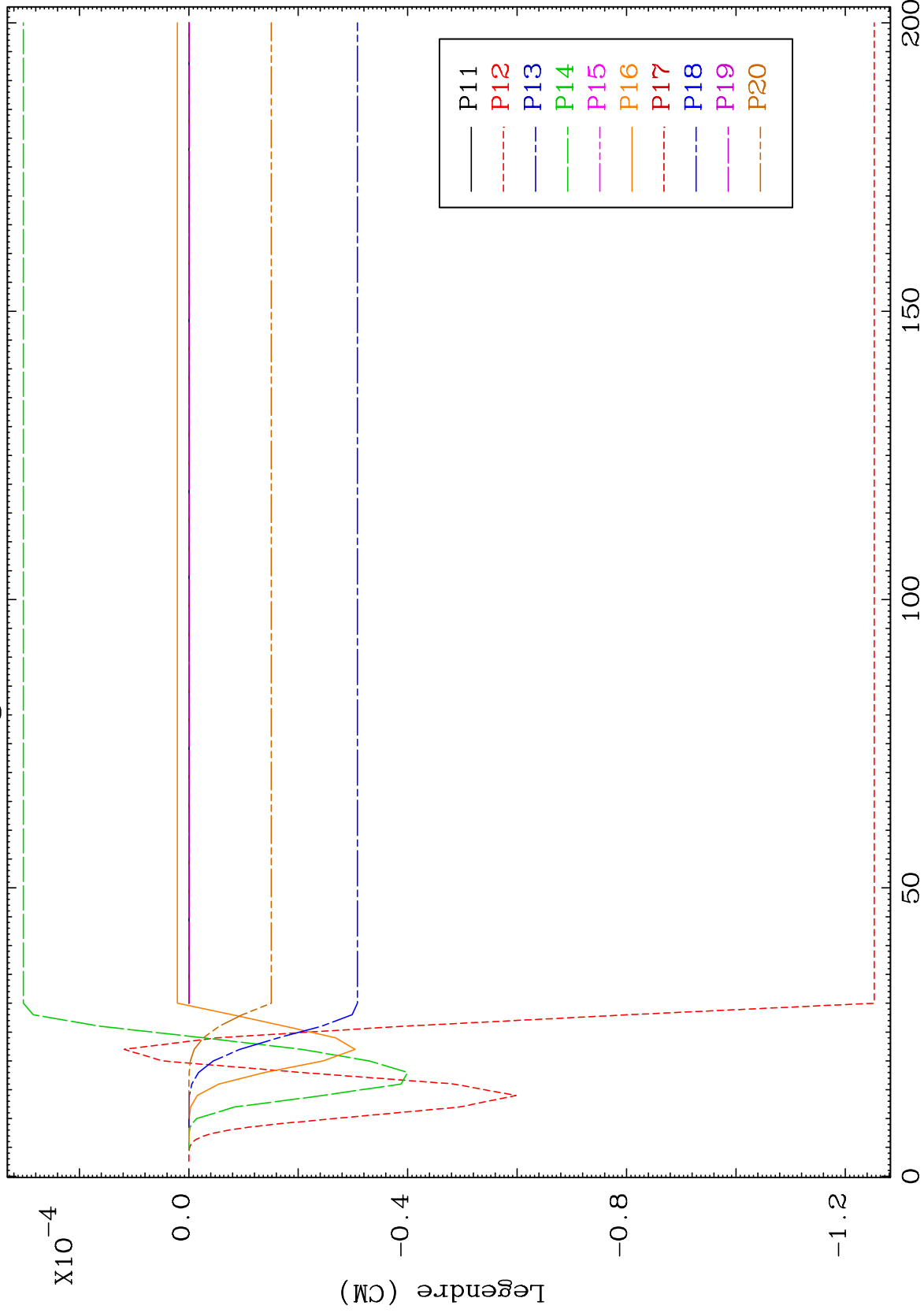




MAT 7040

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

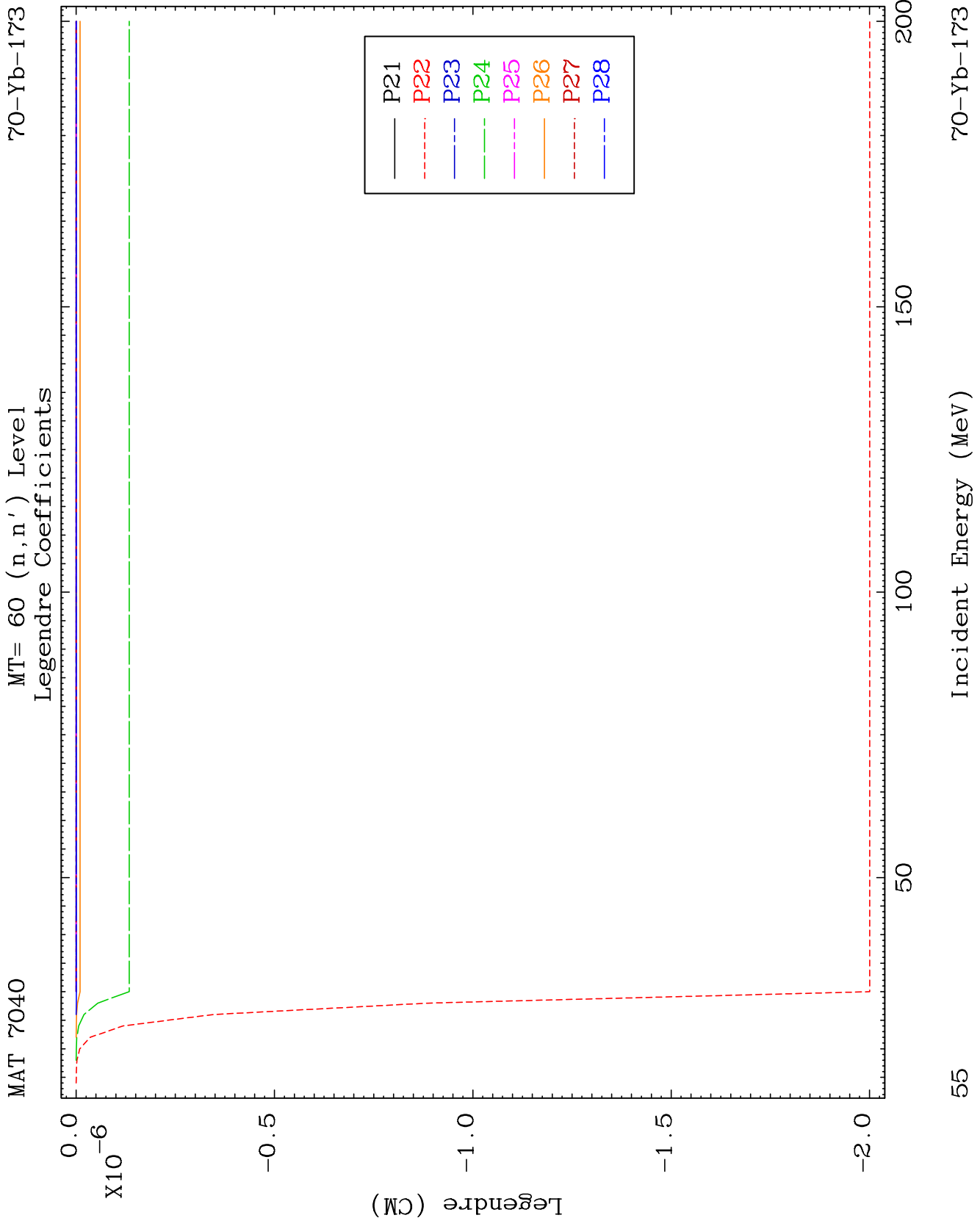
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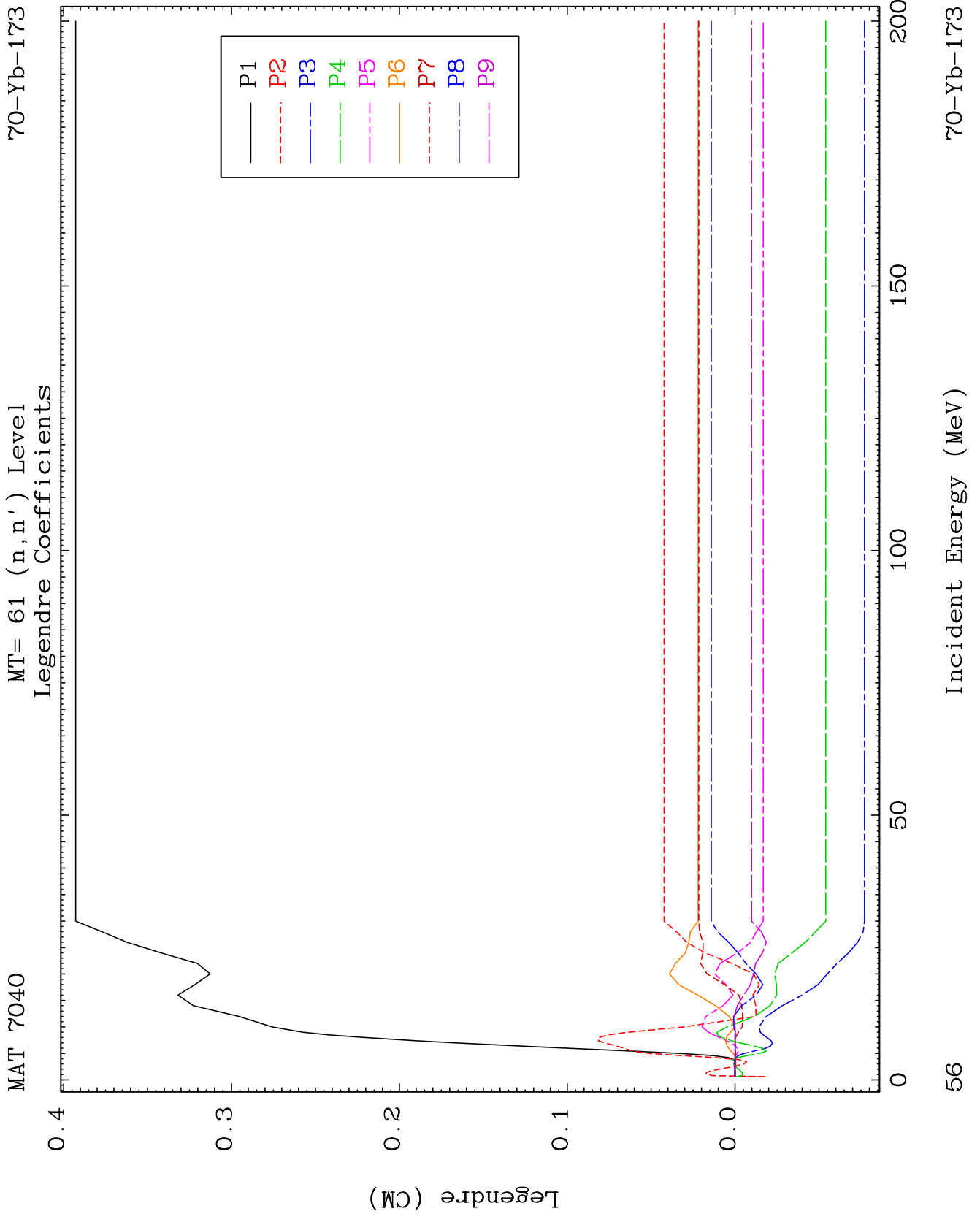


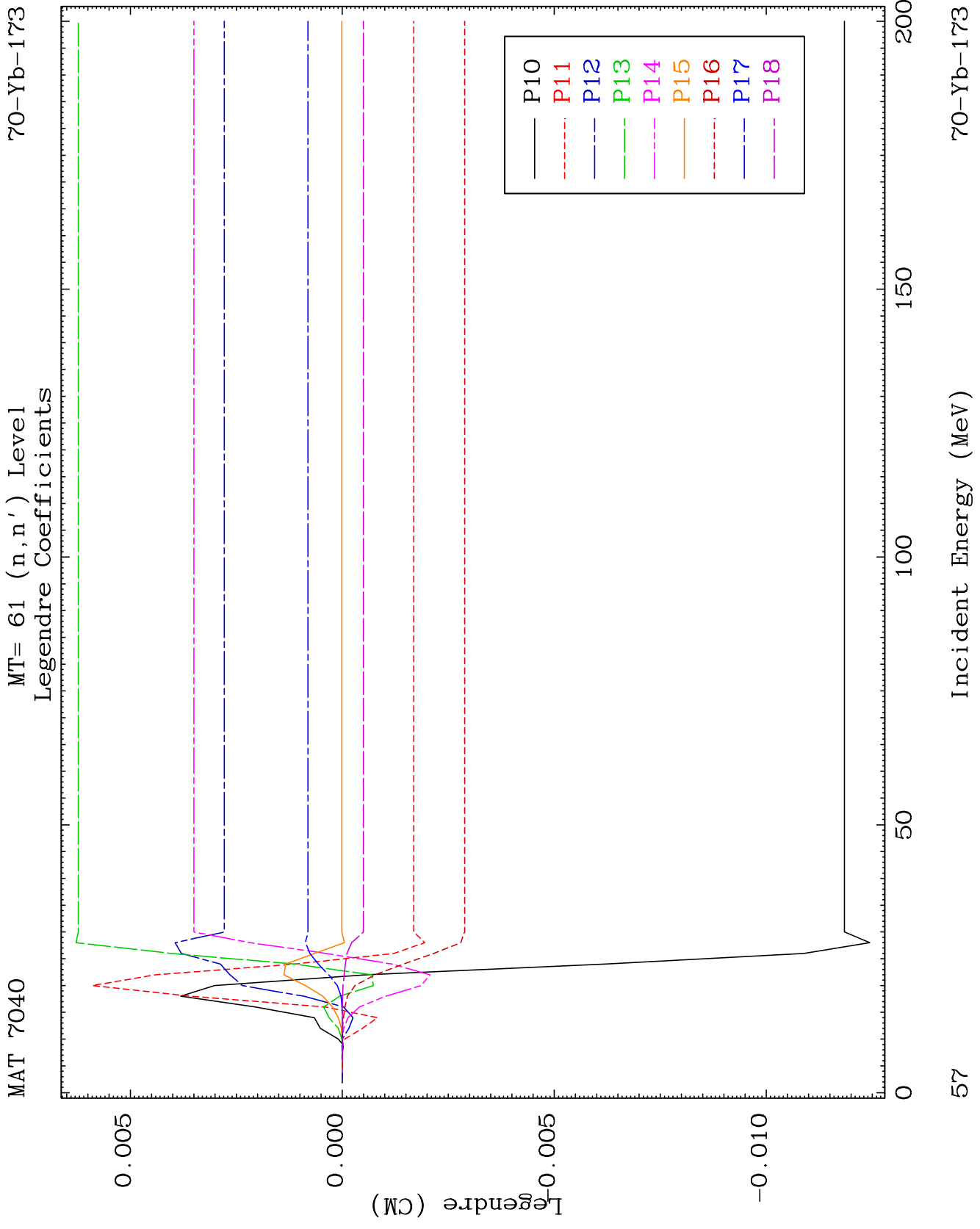
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Incident Energy (MeV)

70-Yb-173



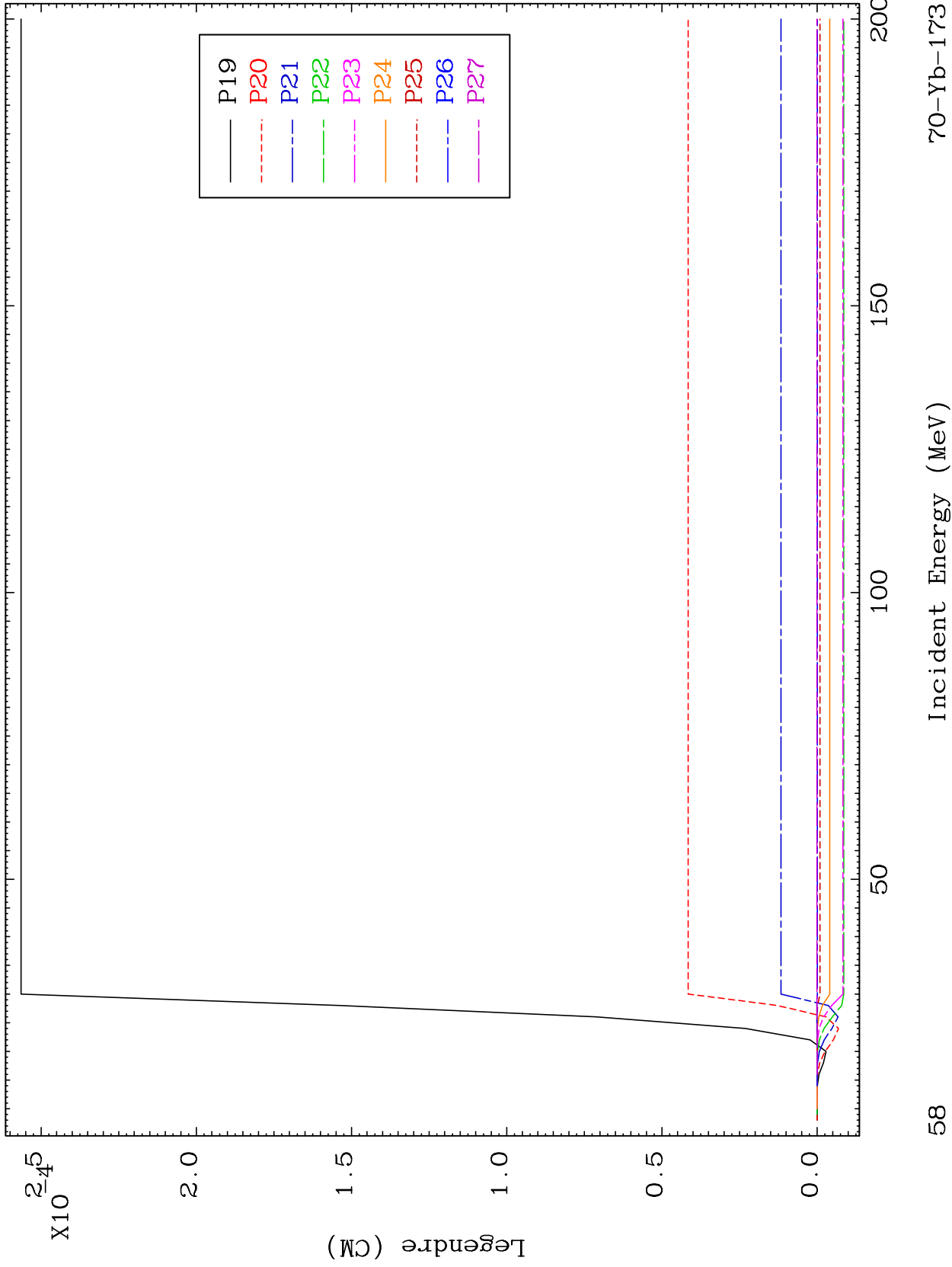




MAT 7040

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

70-Yb-173

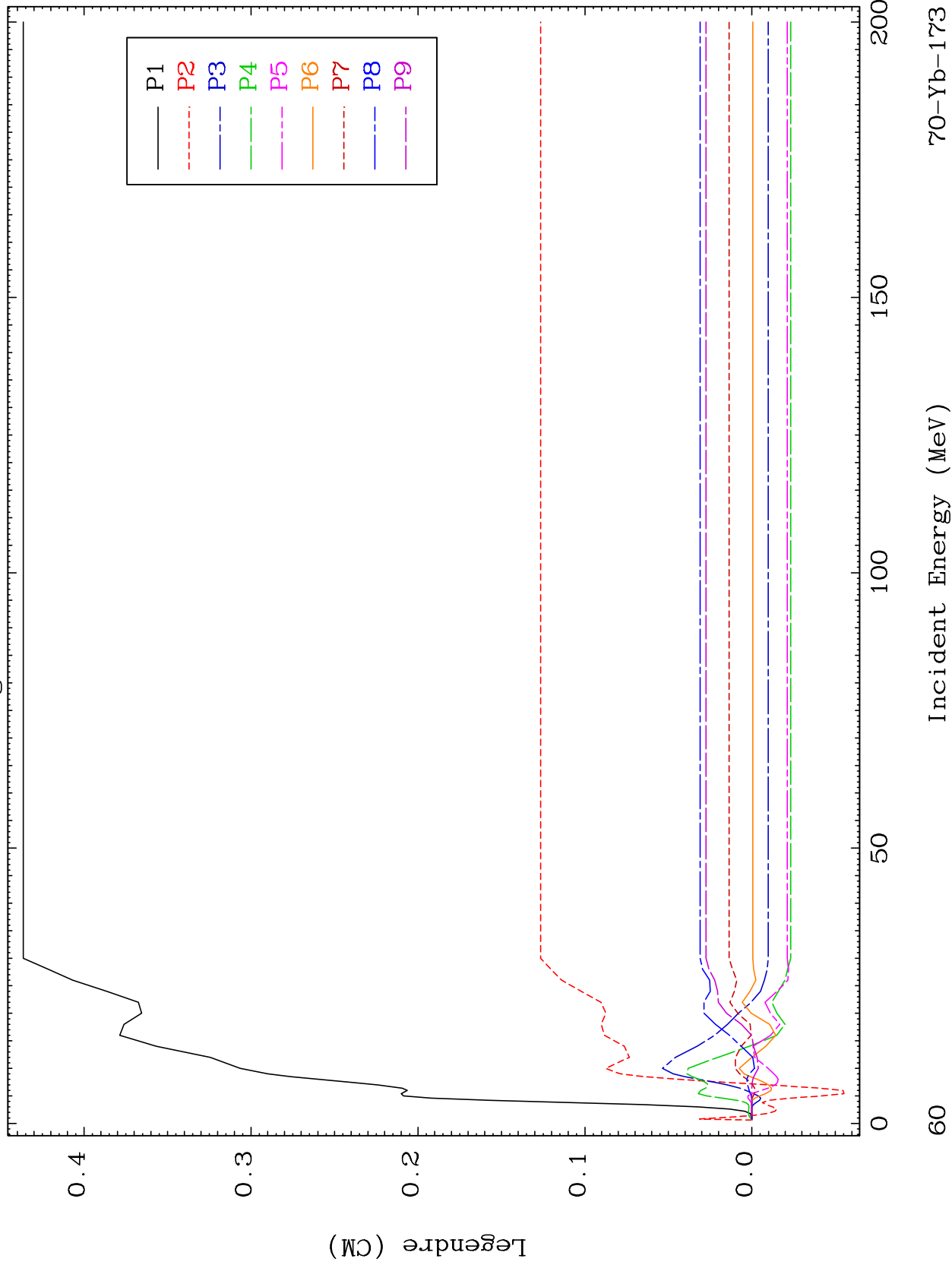


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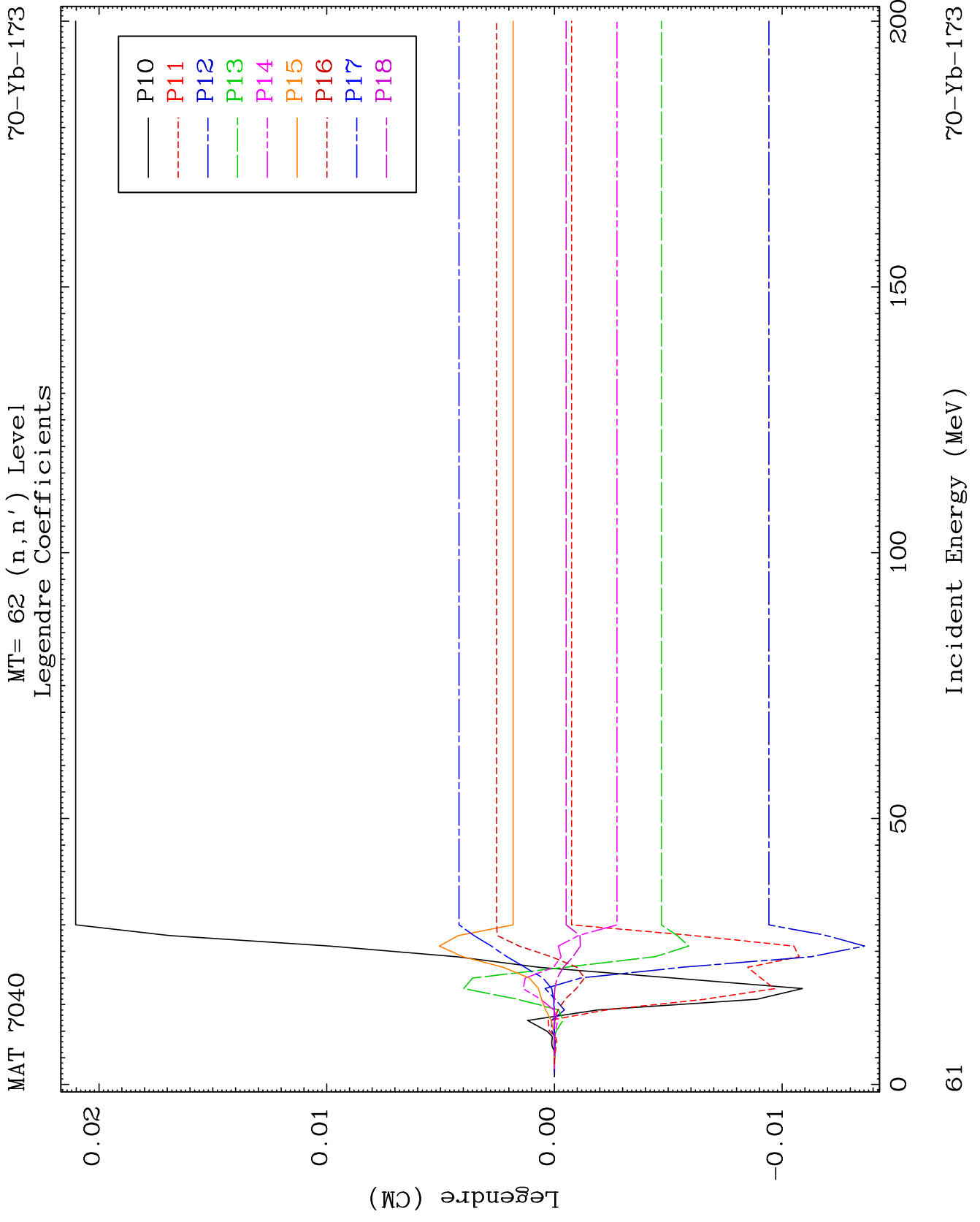
MAT 7040

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

70-Yb-173



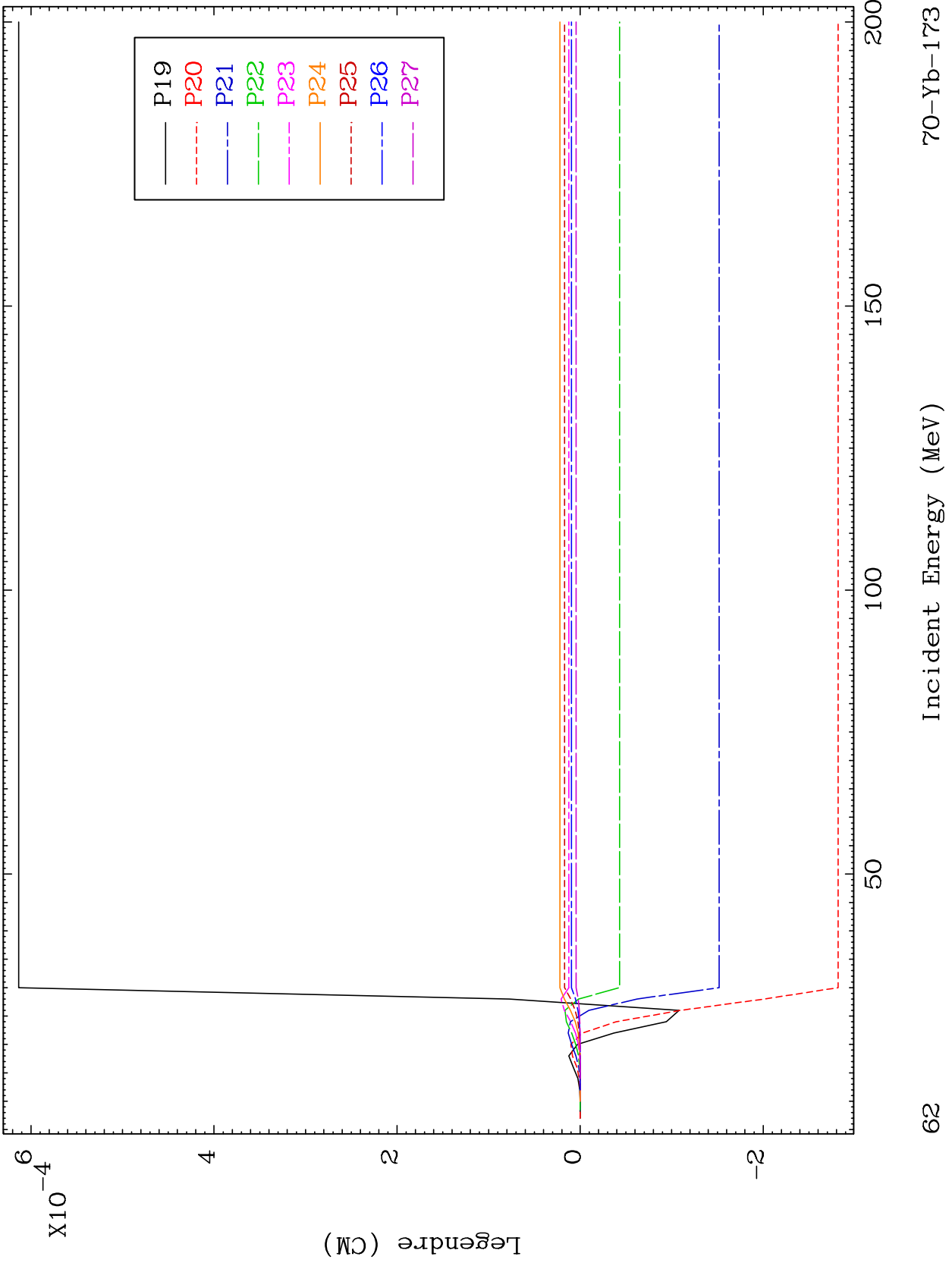
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MAT 7040

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

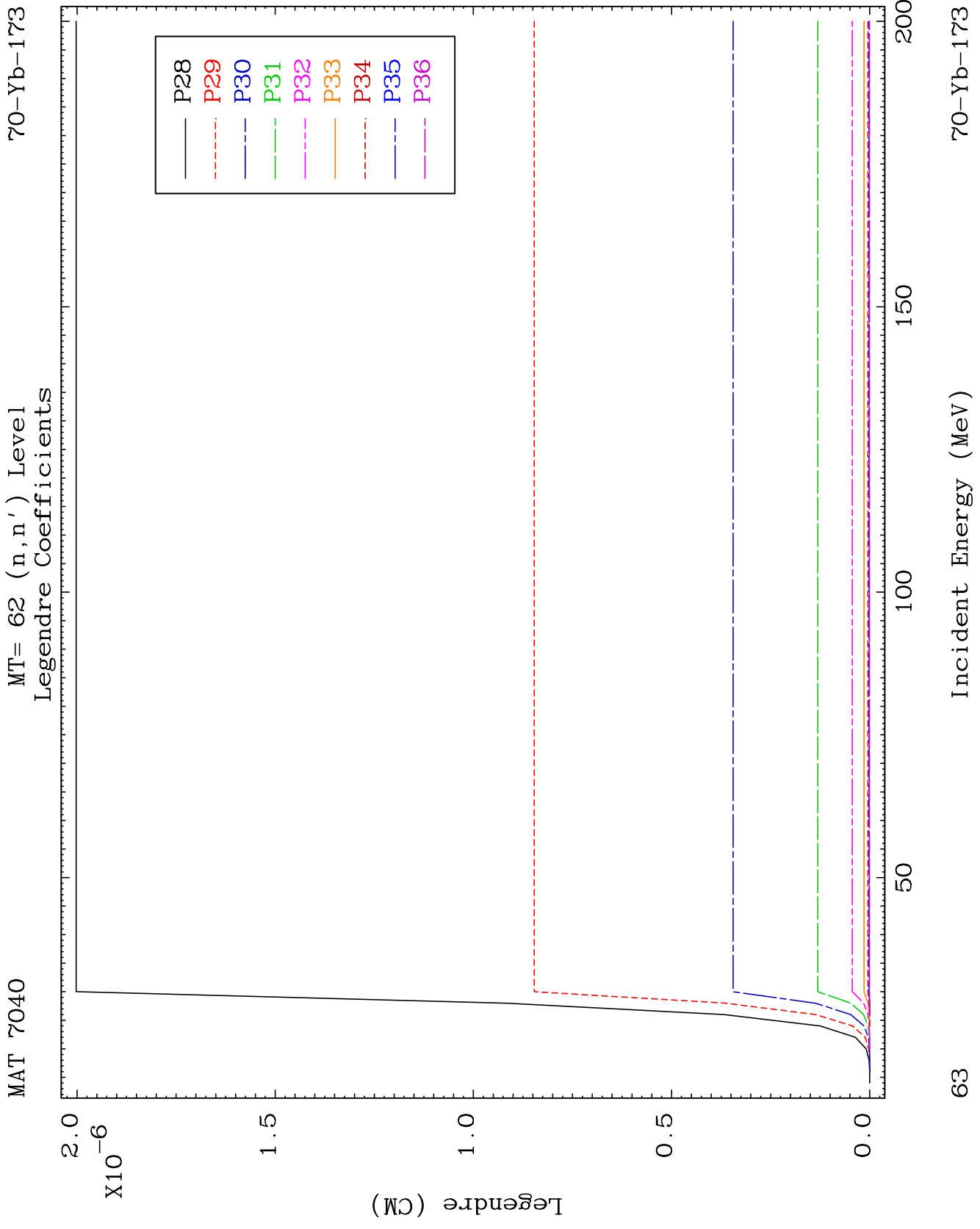
70-Yb-173



62

Incident Energy (MeV)

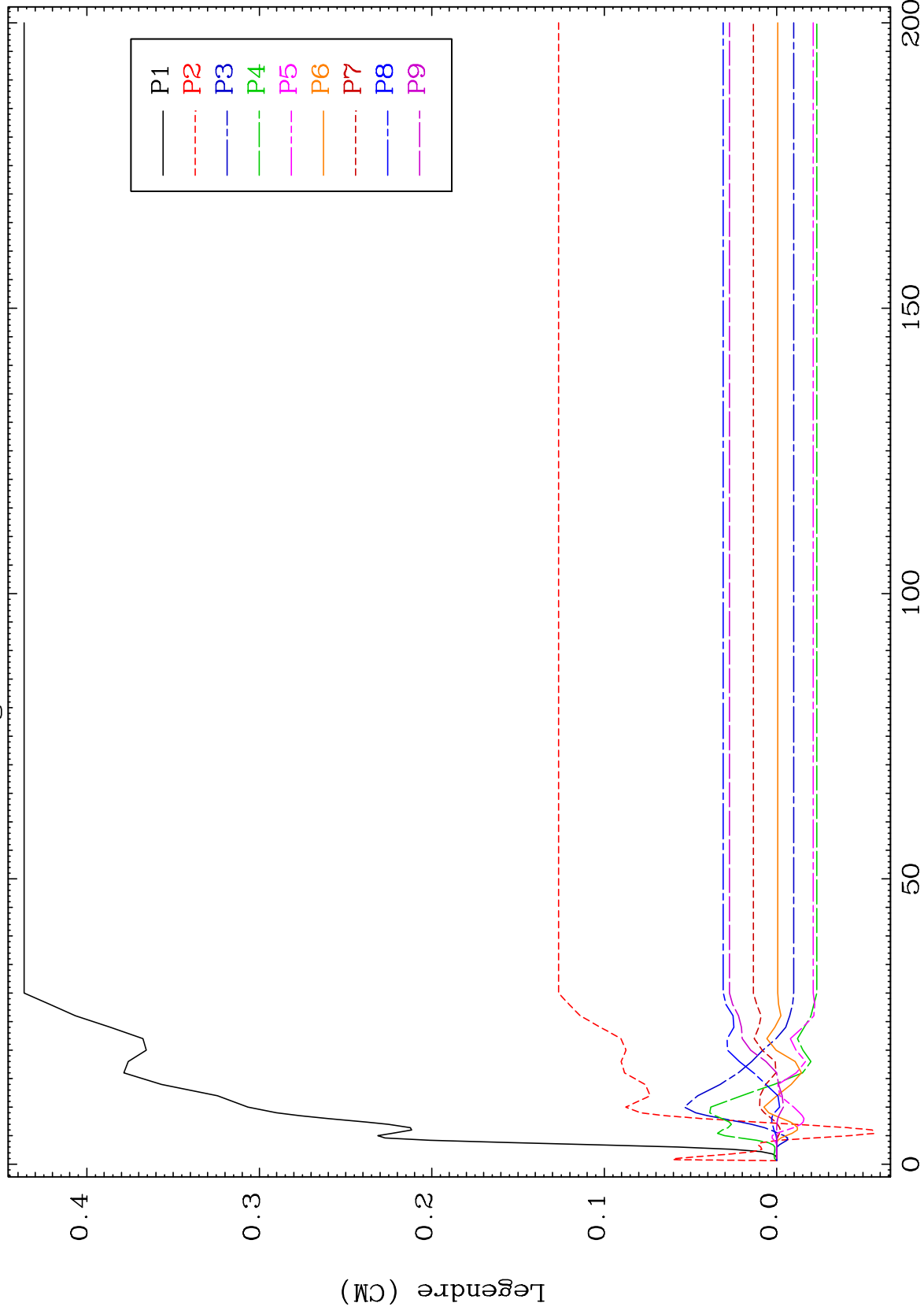
70-Yb-173



MAT 7040

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

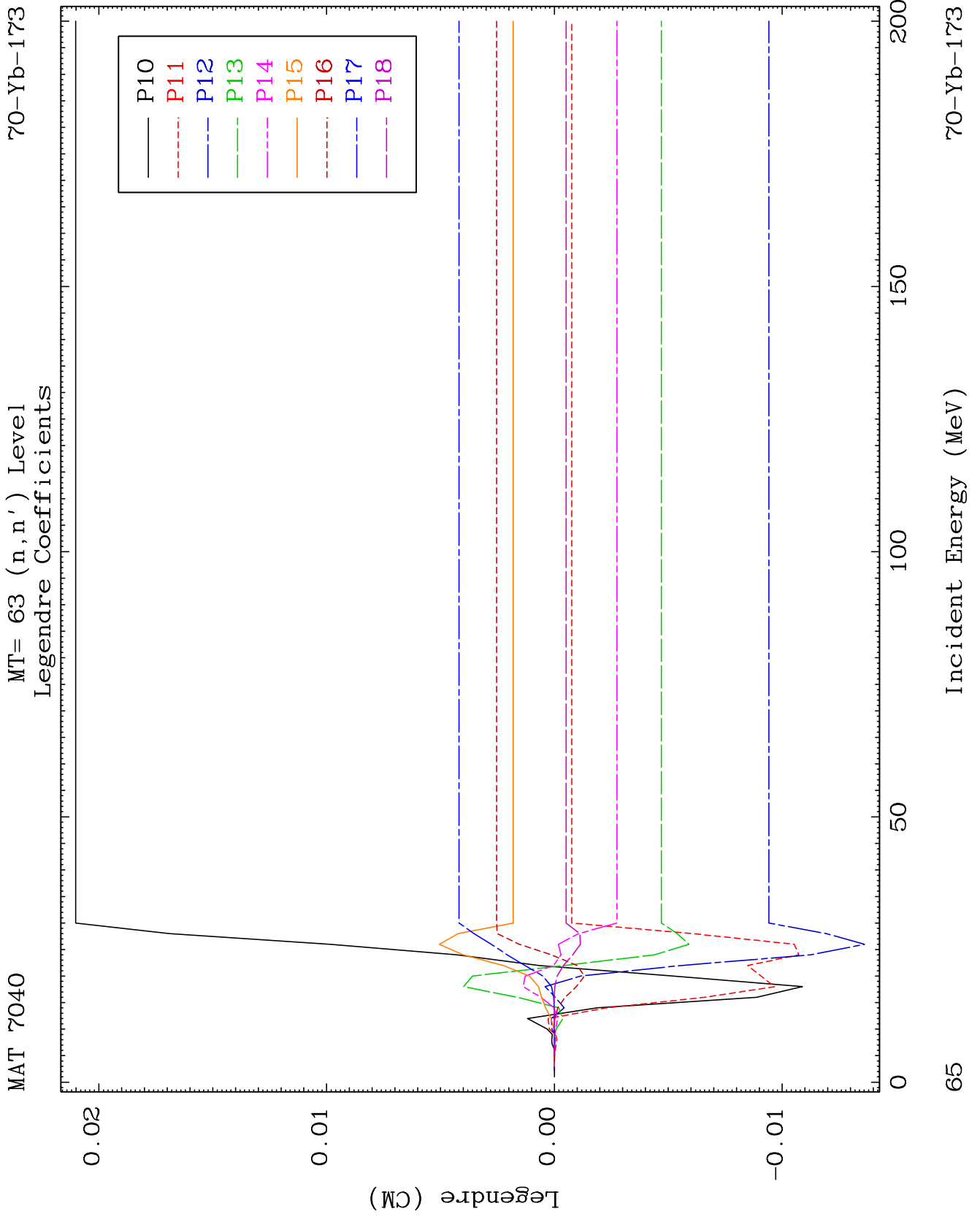
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64

Incident Energy (MeV)

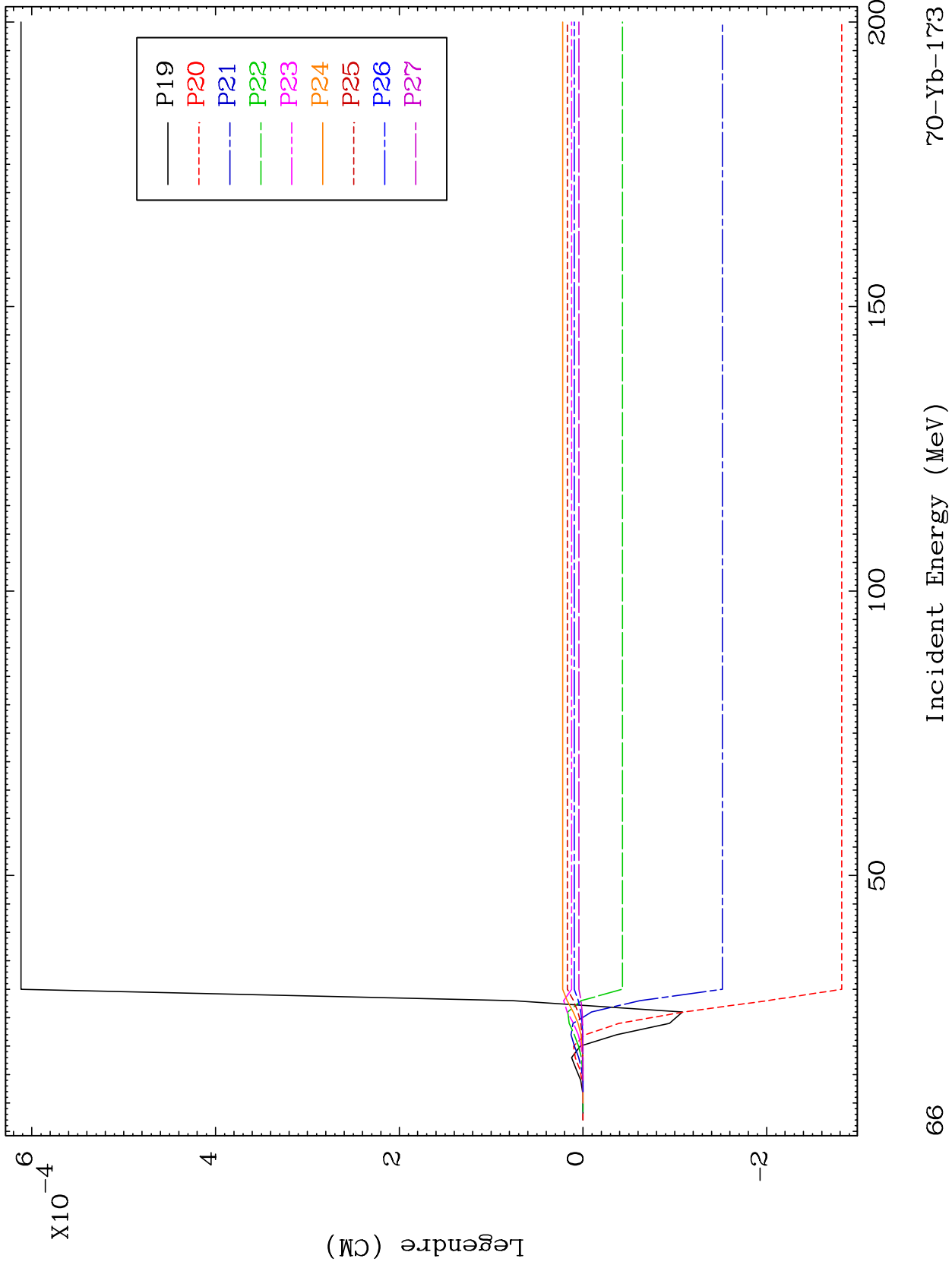
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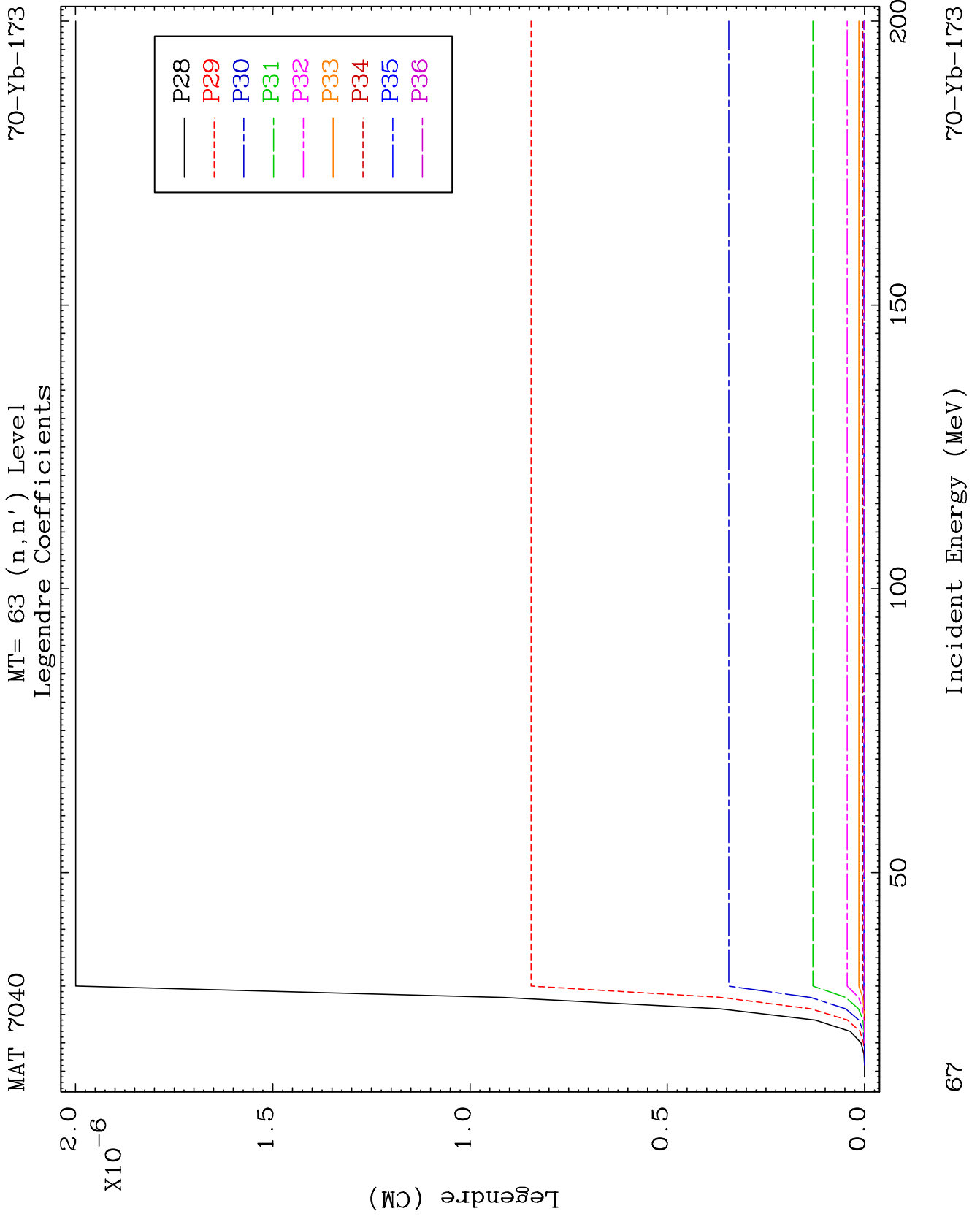


MAT 7040

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

70-Yb-173

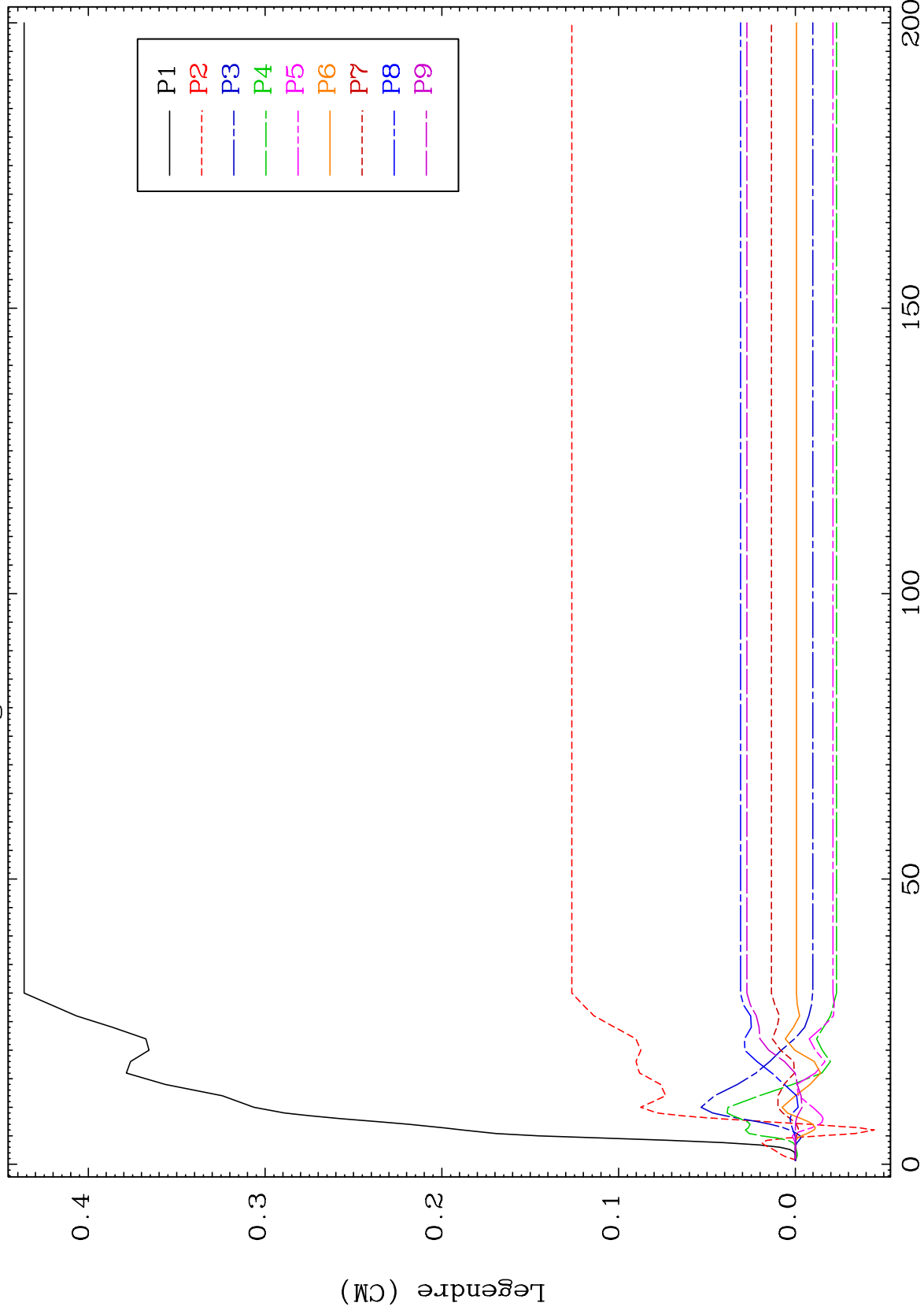




MAT 7040

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

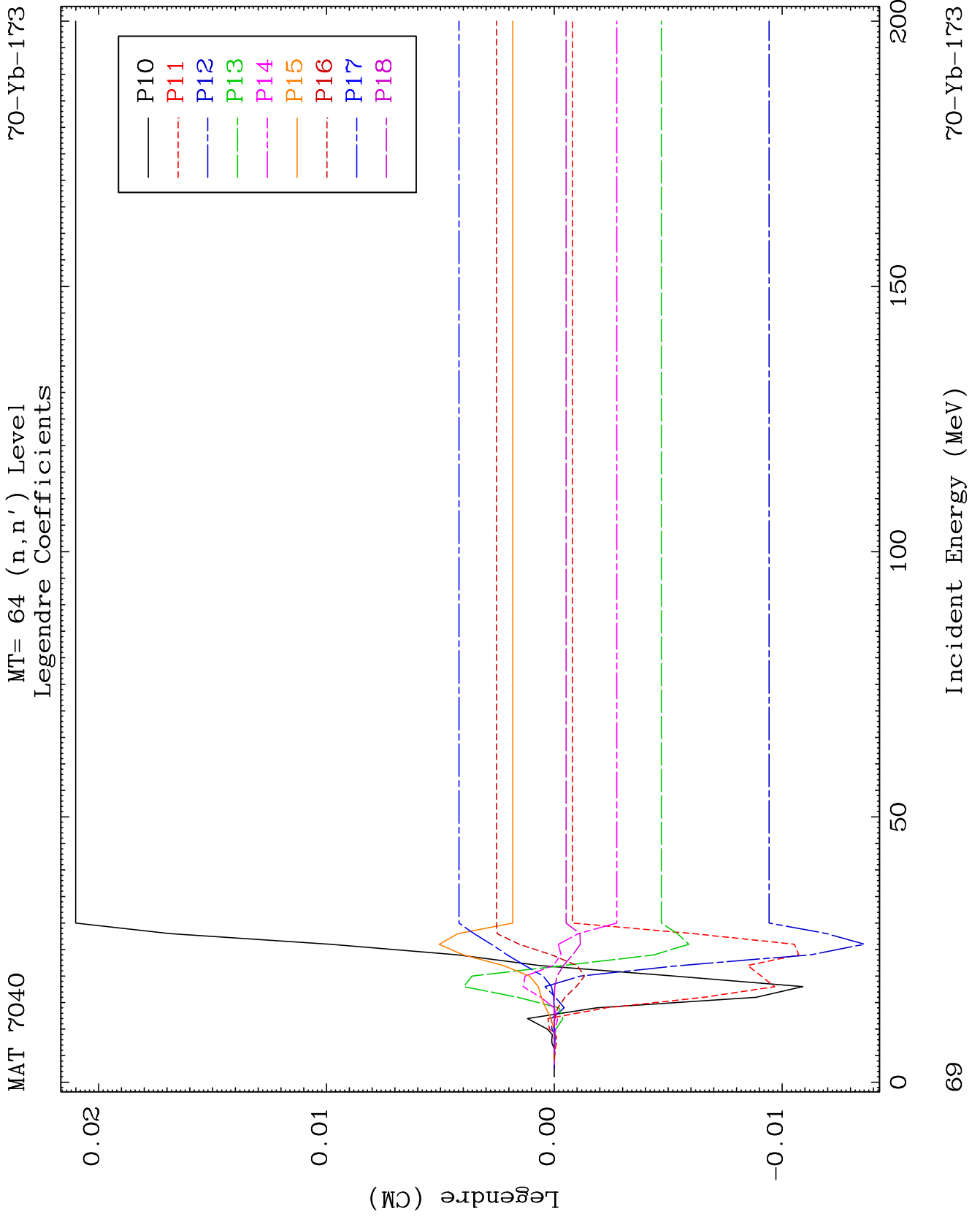
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68

Incident Energy (MeV)

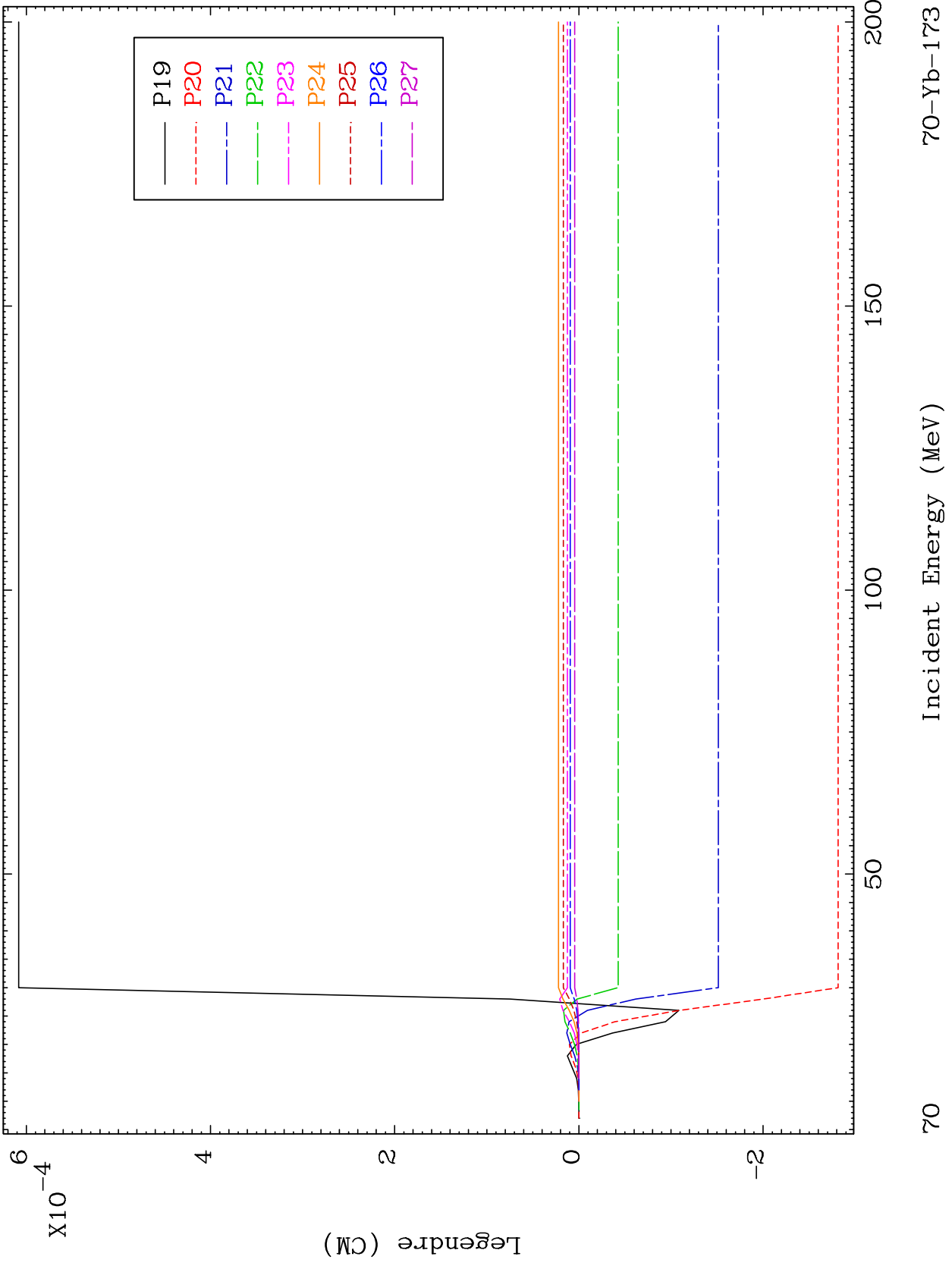
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MAT 7040

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

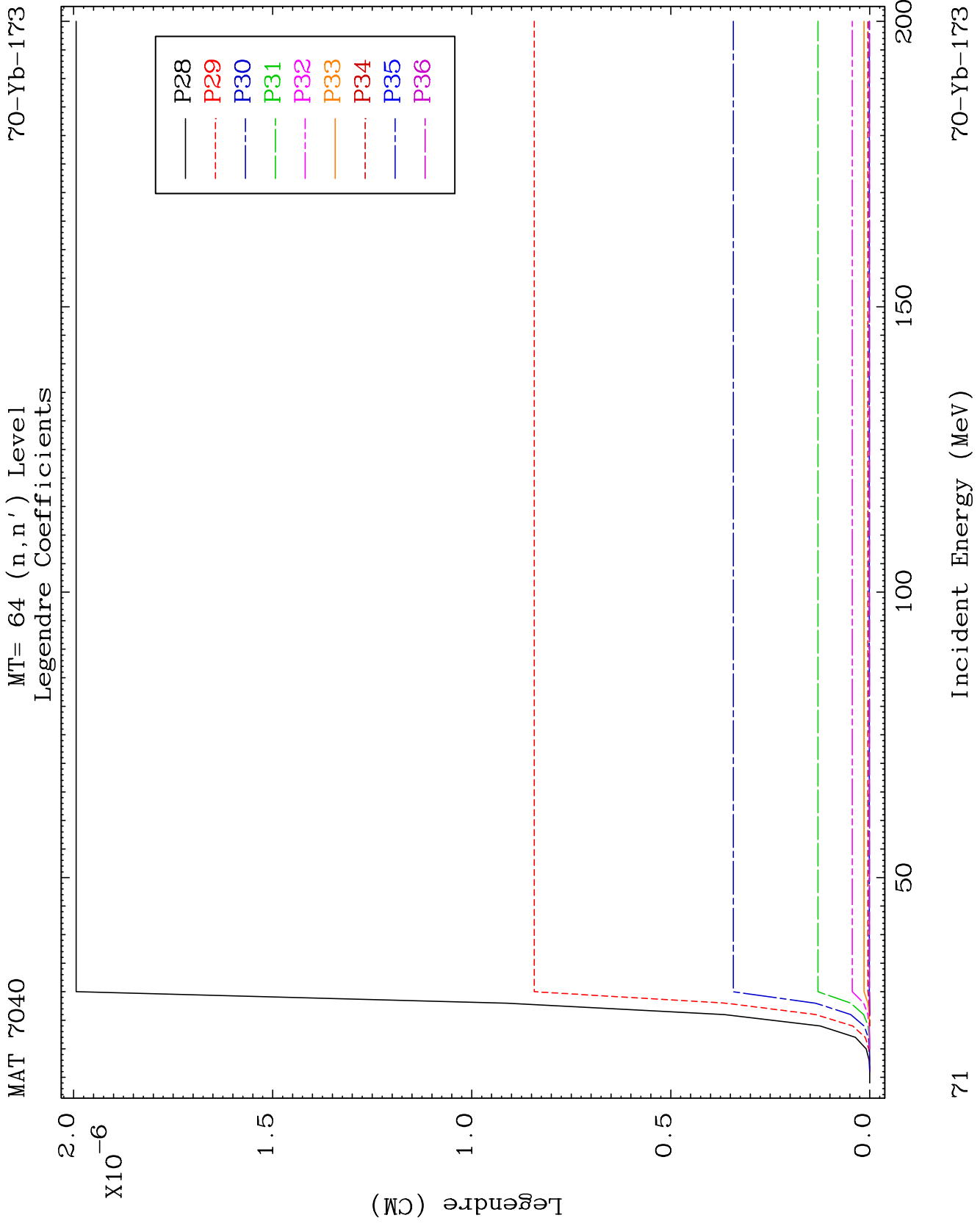
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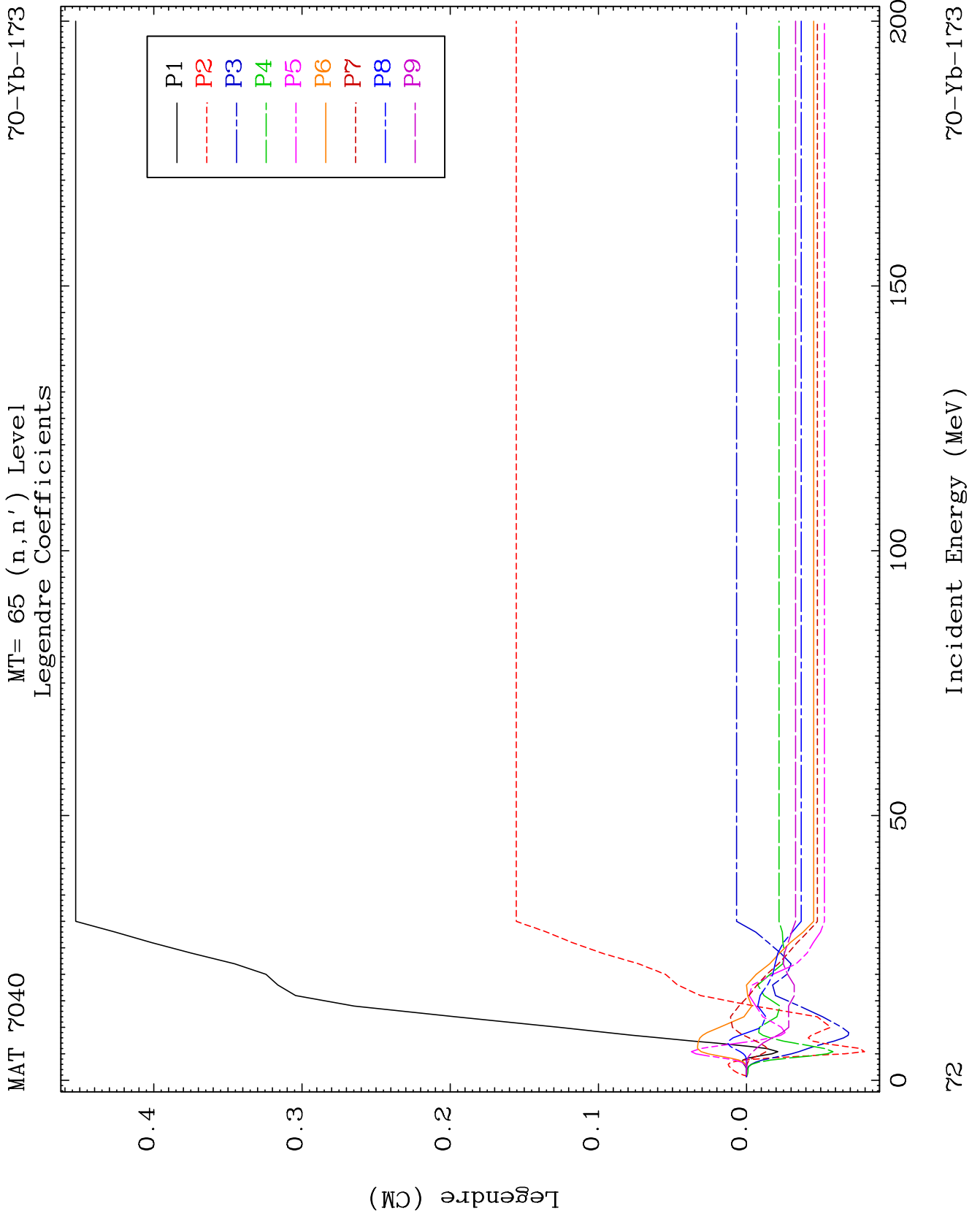


70

Incident Energy (MeV)

70-Yb-173

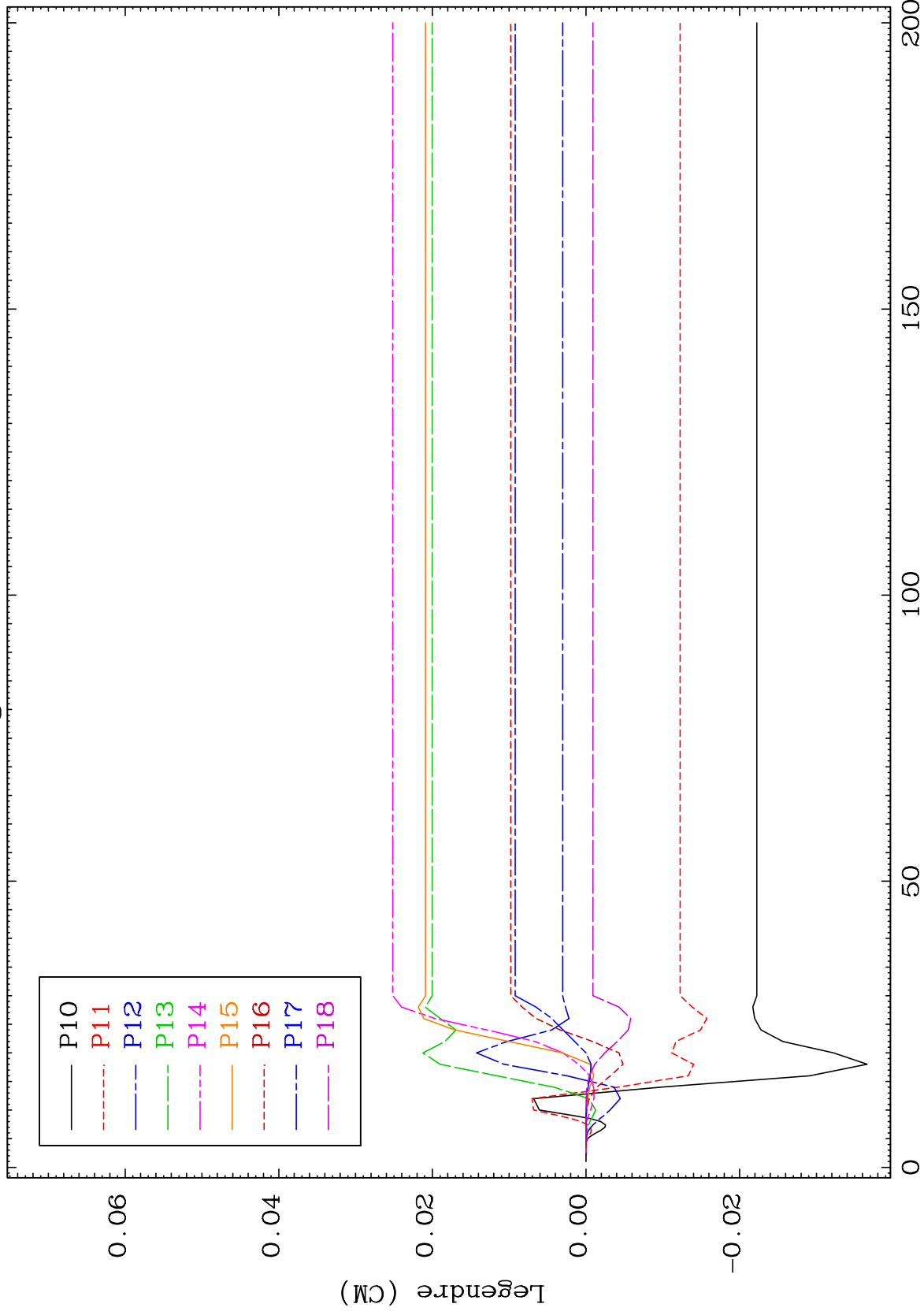




MAT 7040

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

70-Yb-173



73

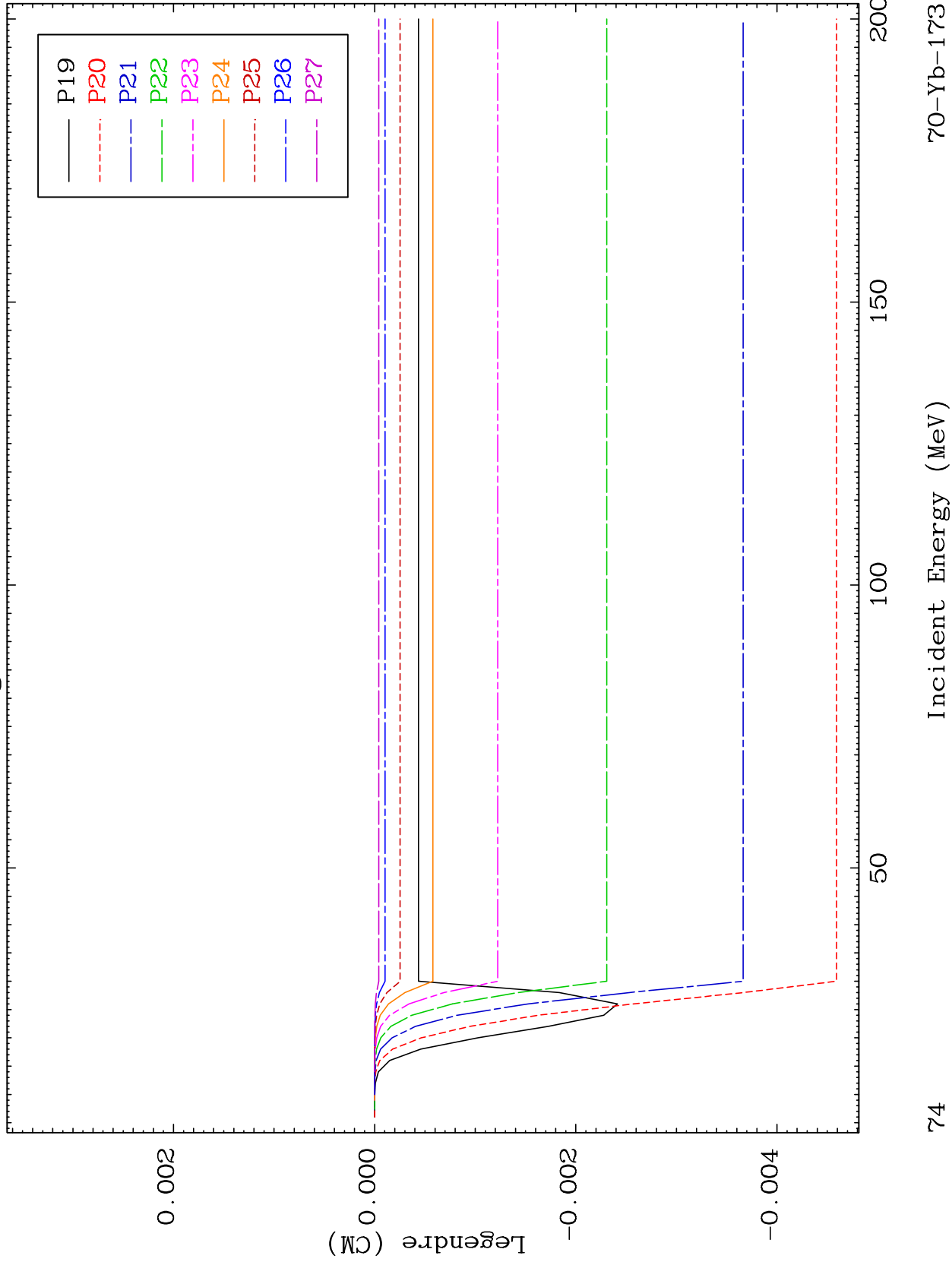
Incident Energy (MeV)

70-Yb-173

MAT 7040

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

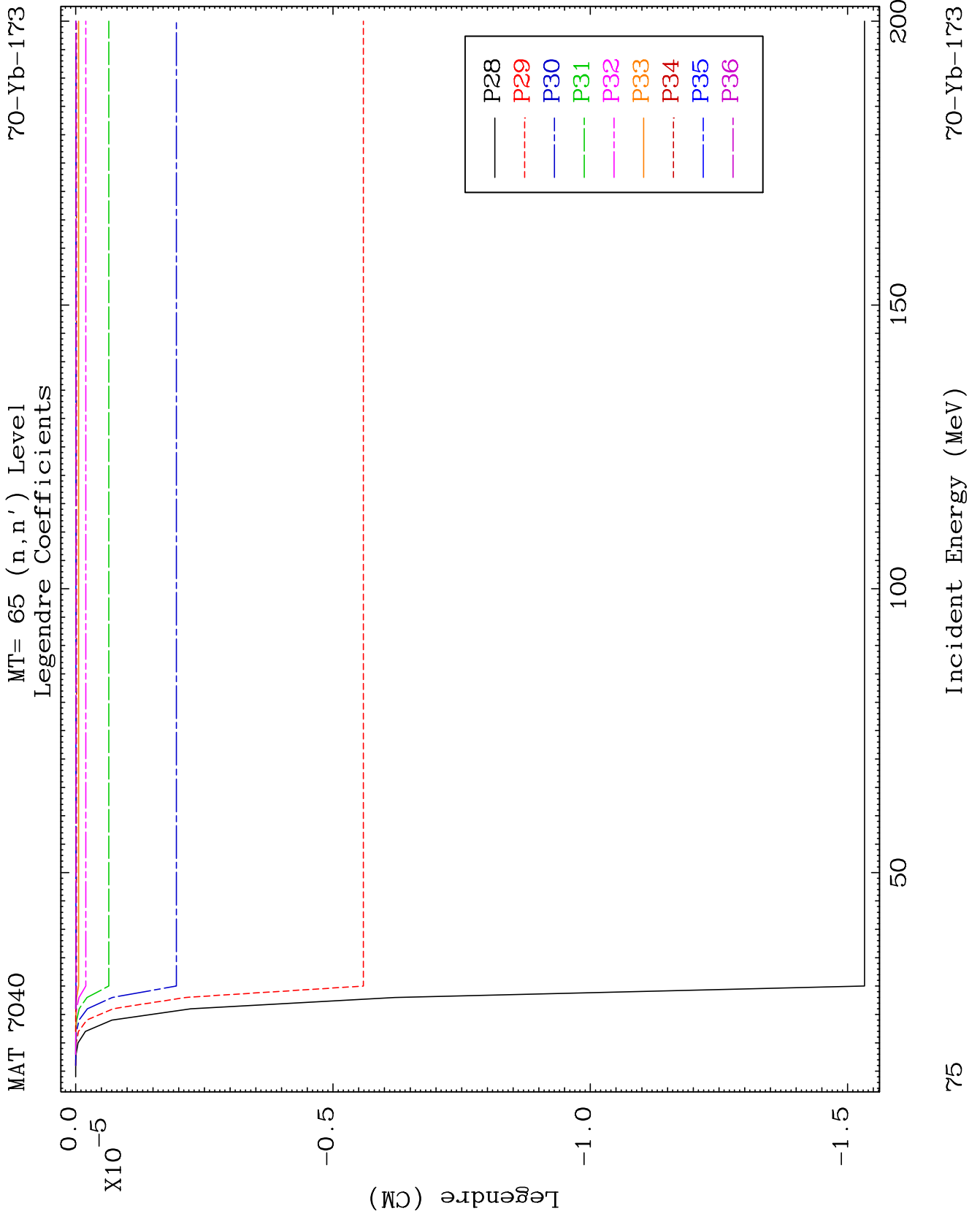
70-Yb-173



74

Incident Energy (MeV)

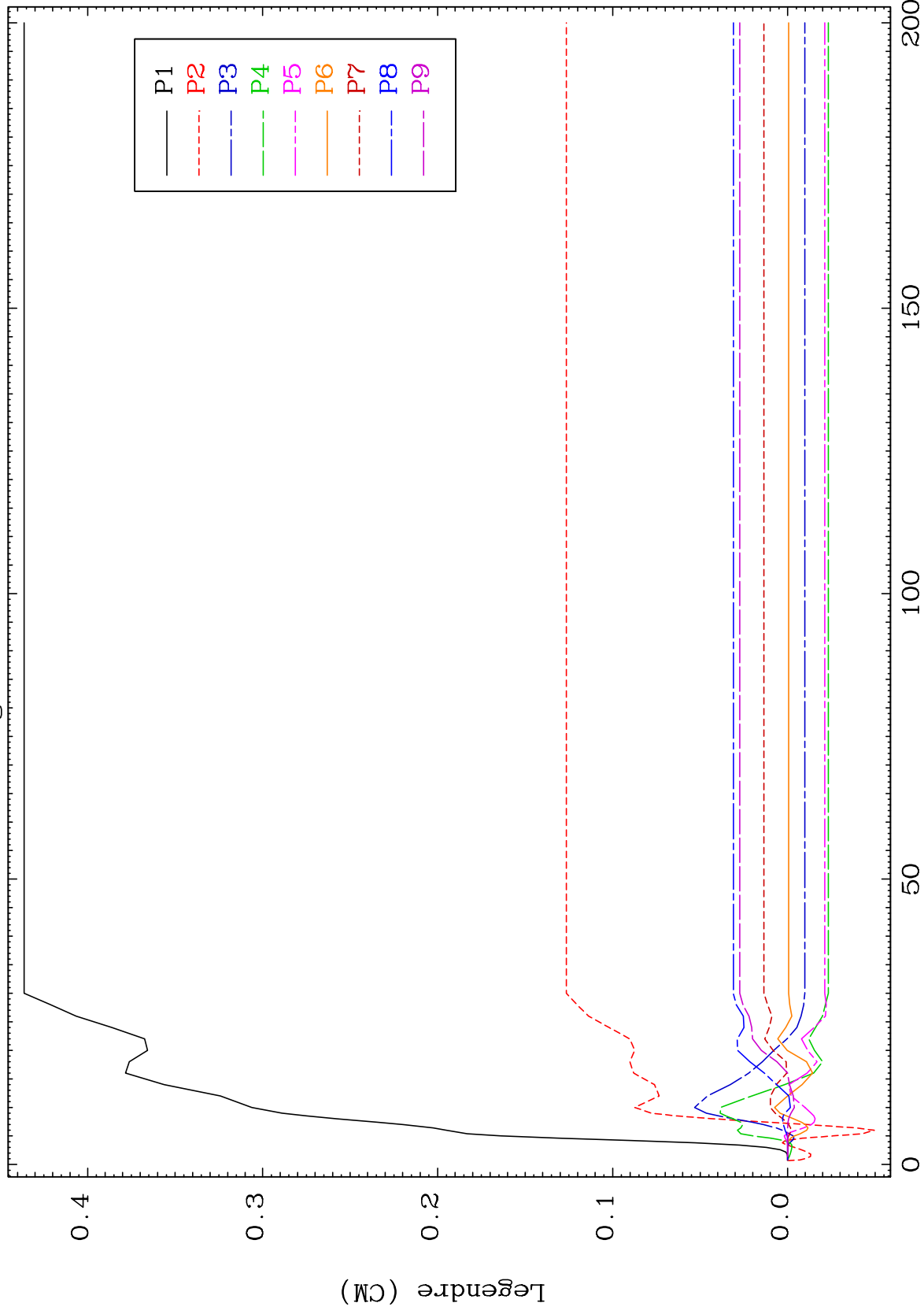
70-Yb-173



MAT 7040

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

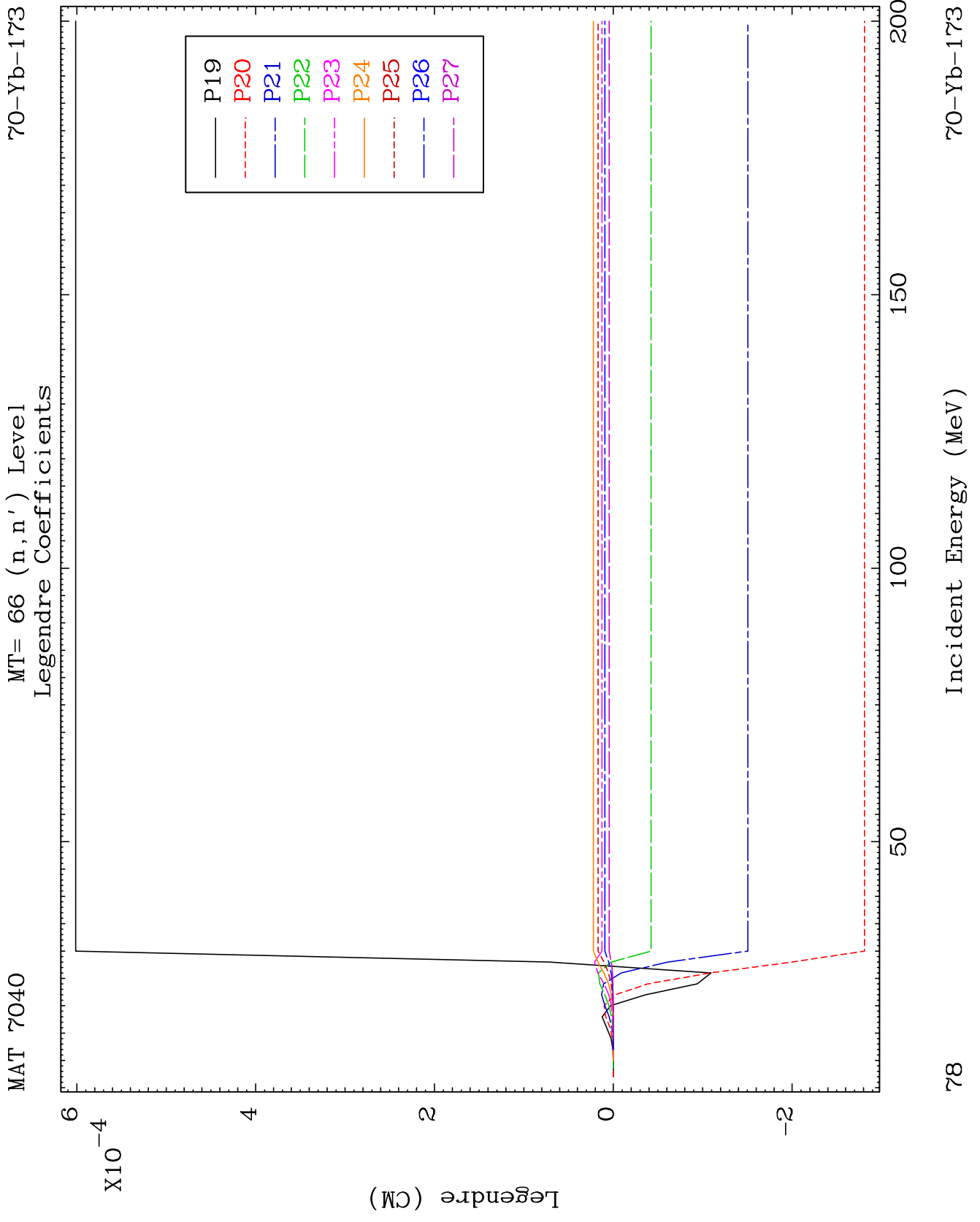
70-Yb-173

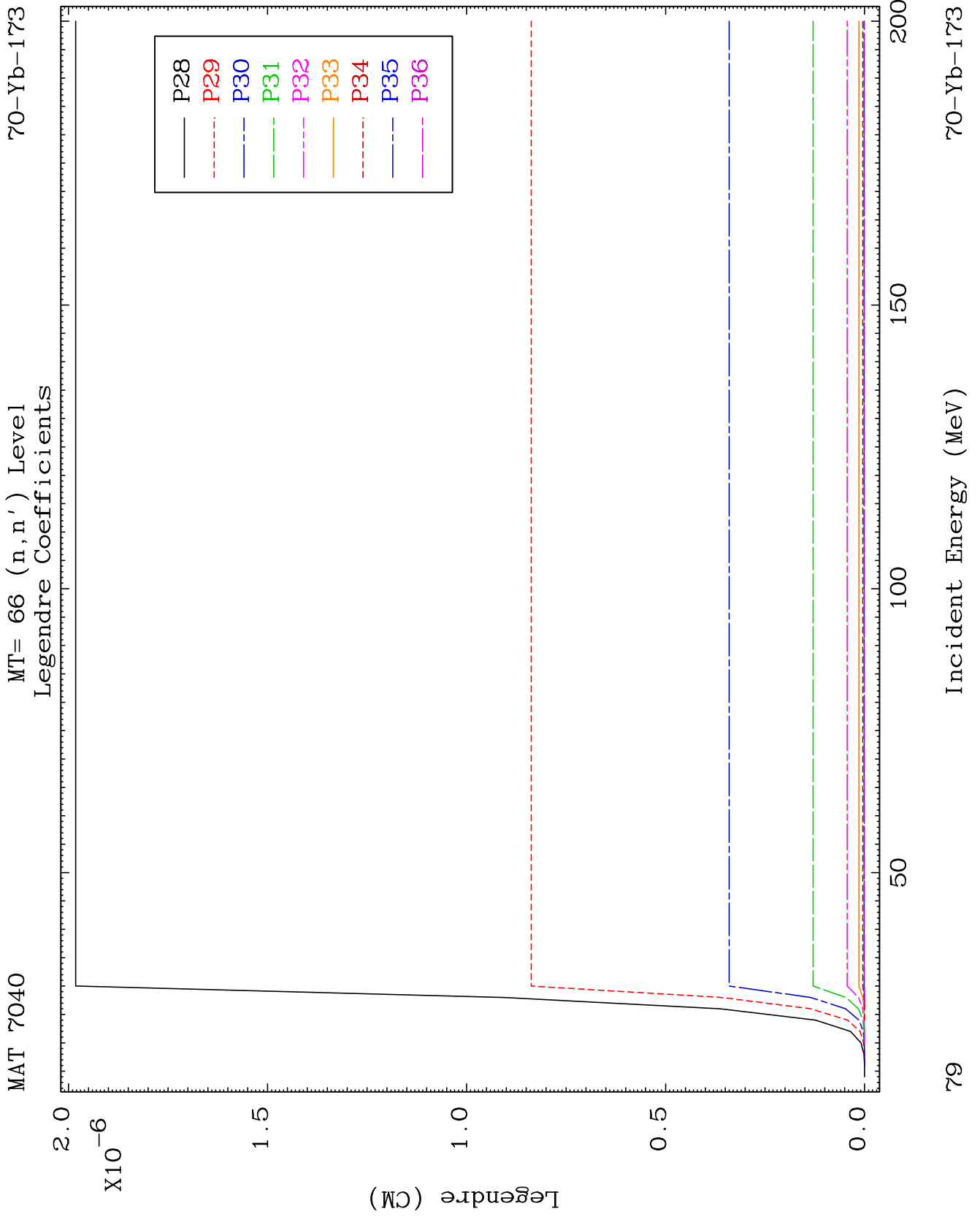


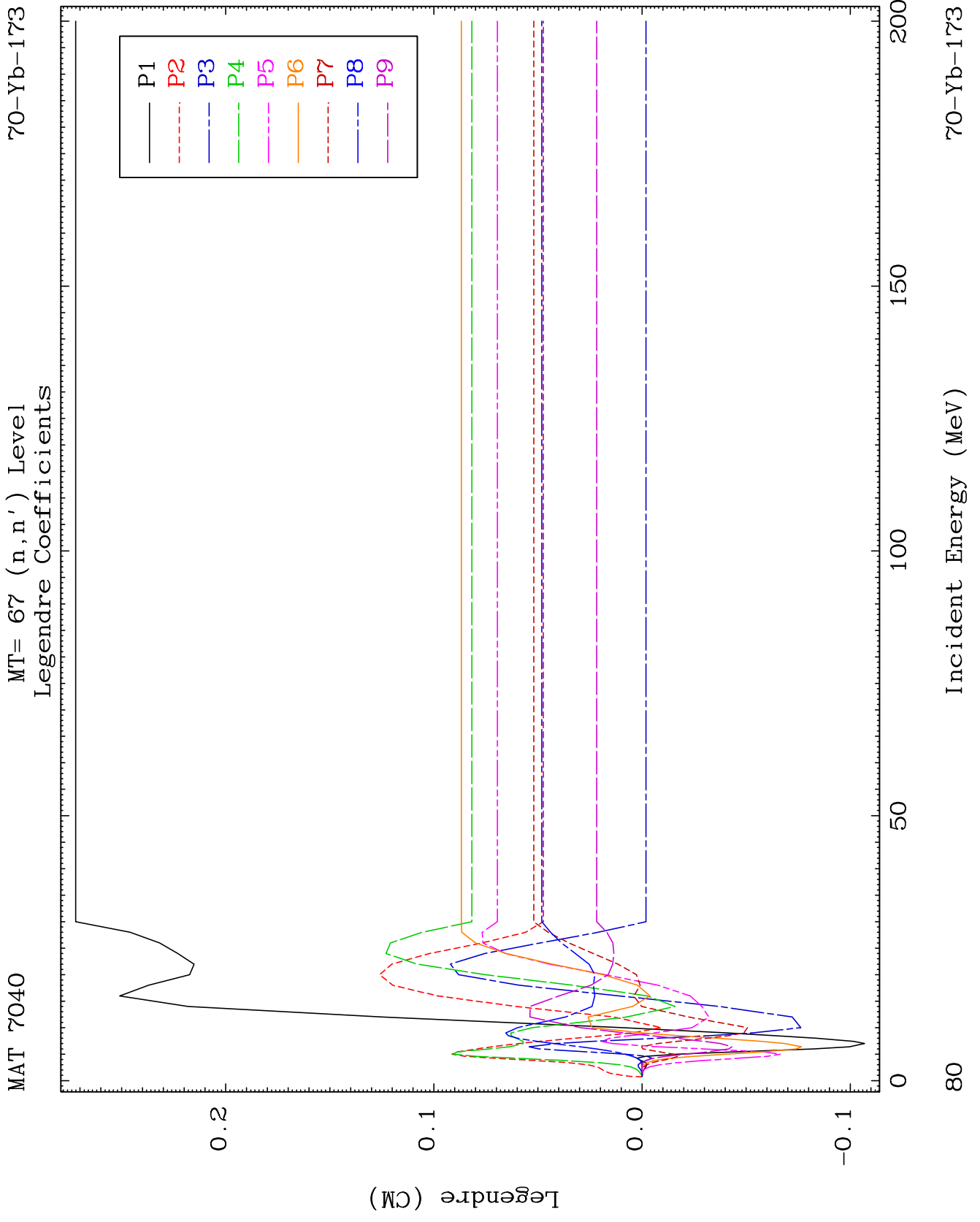
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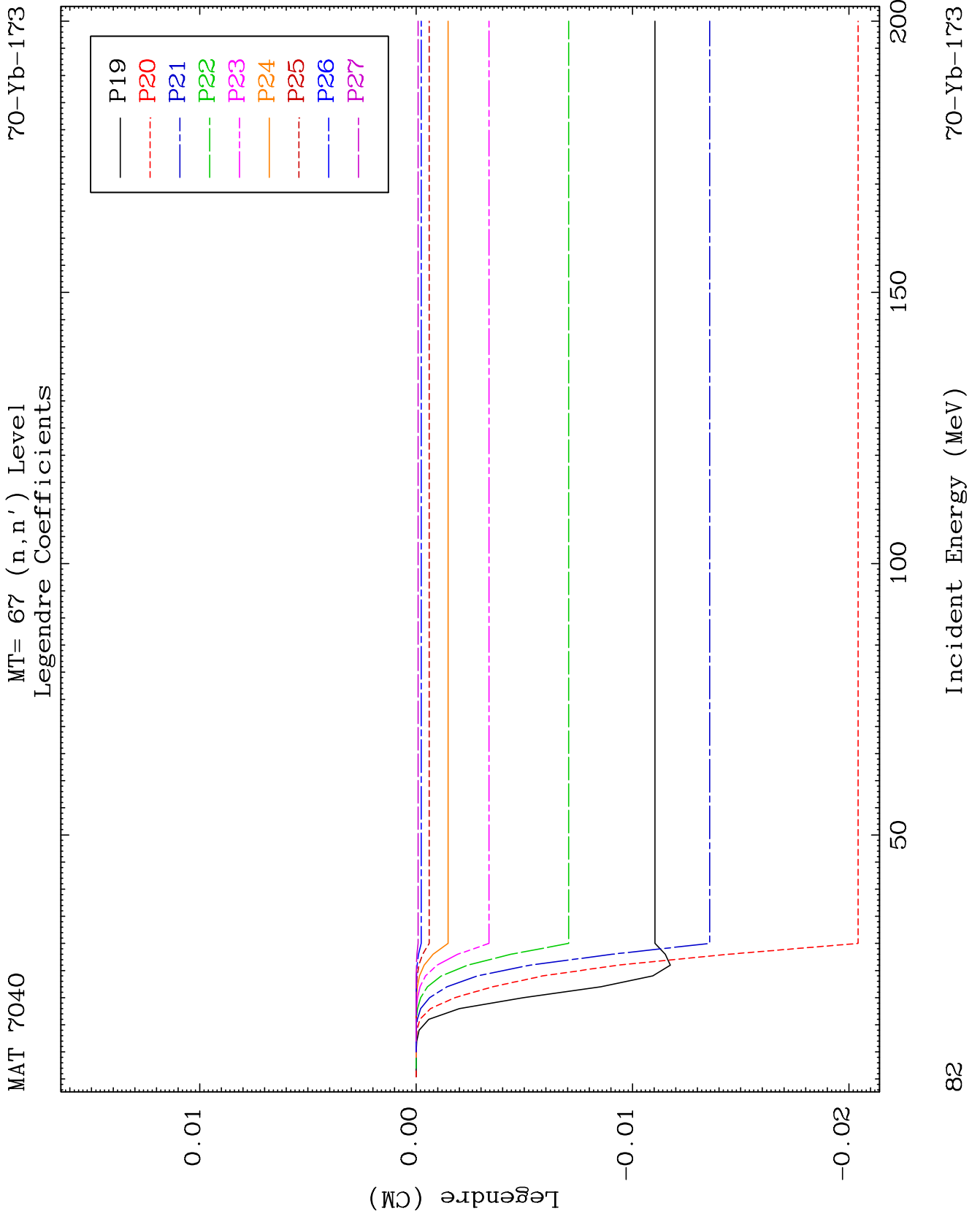
Incident Energy (MeV)

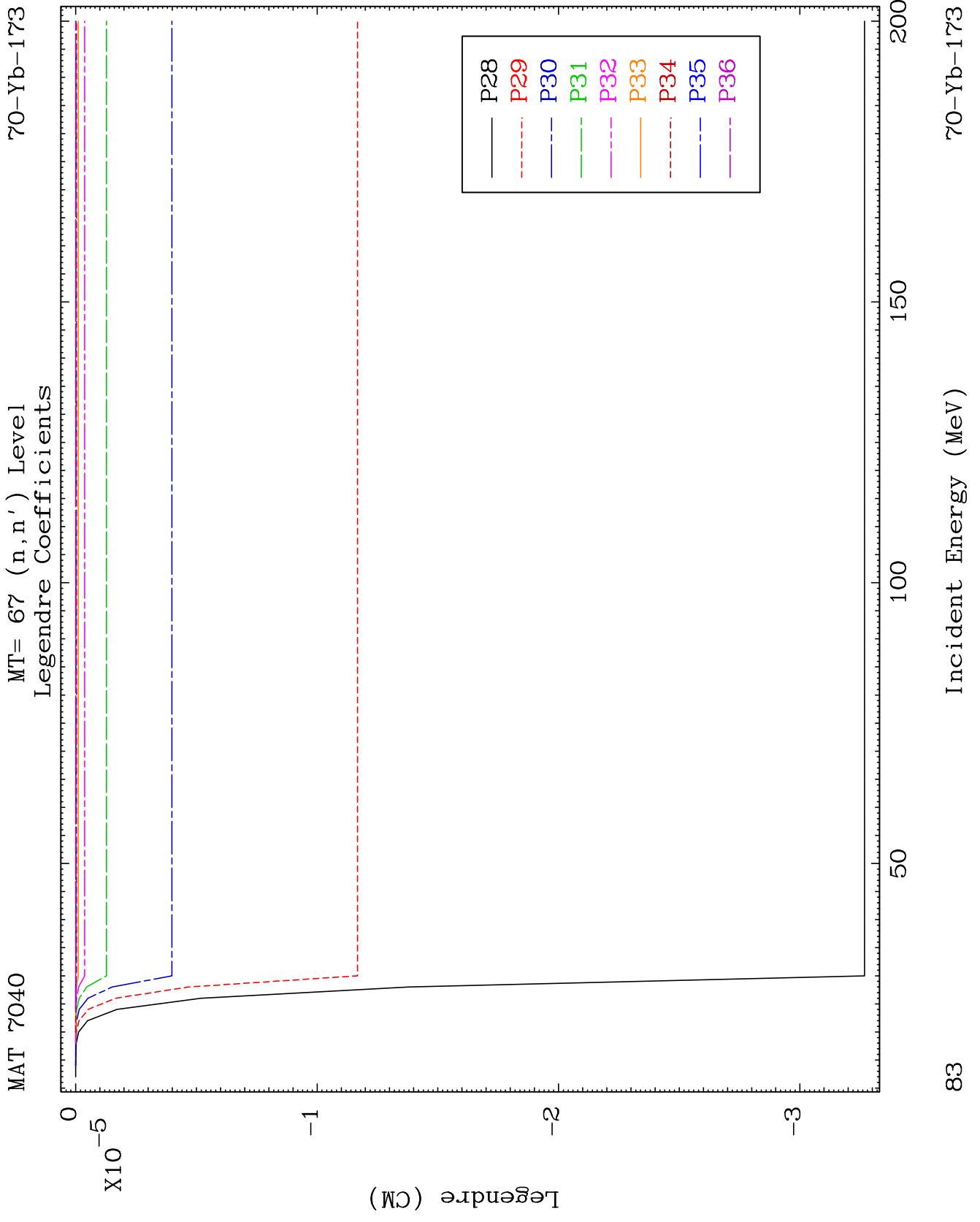
70-Yb-173

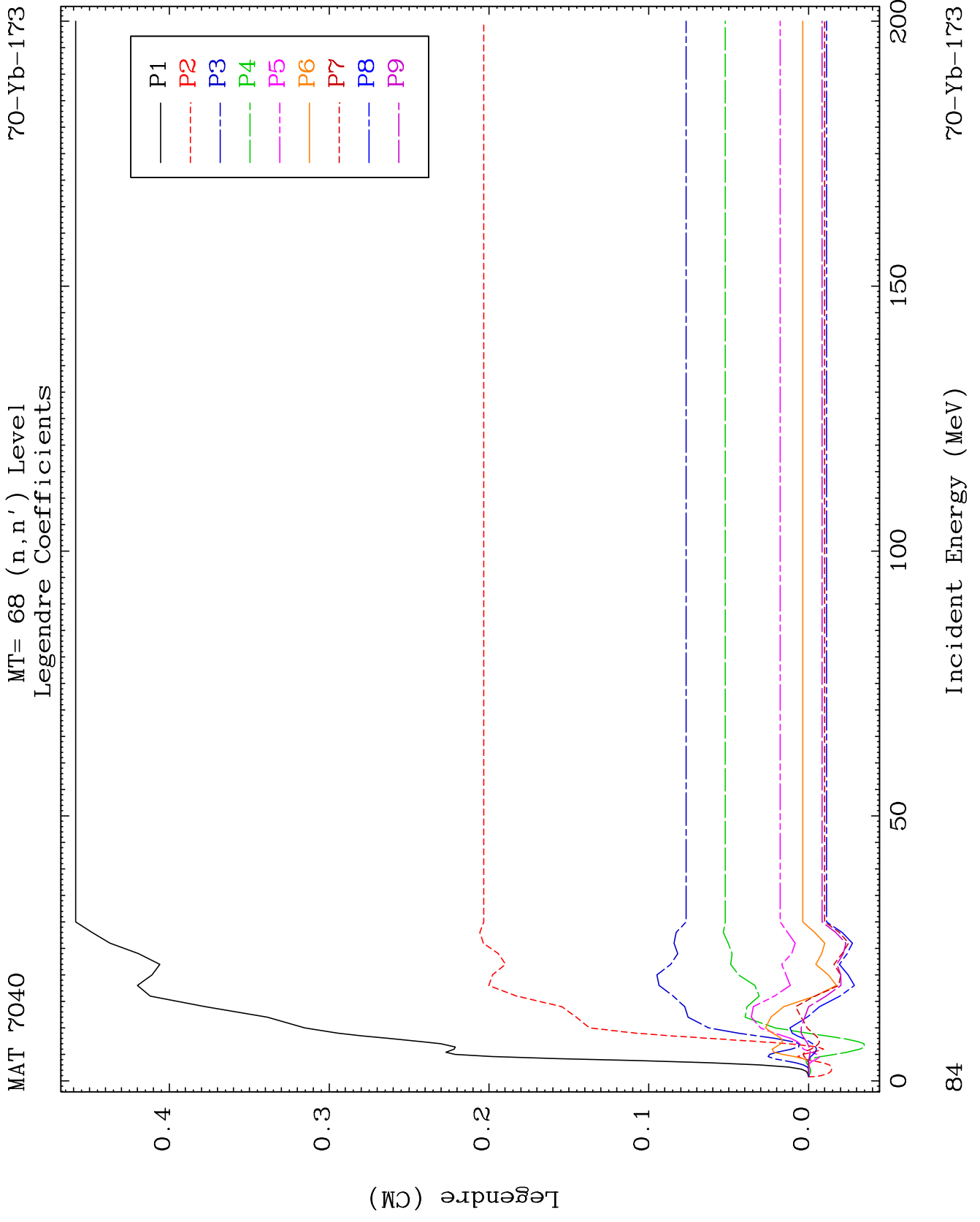








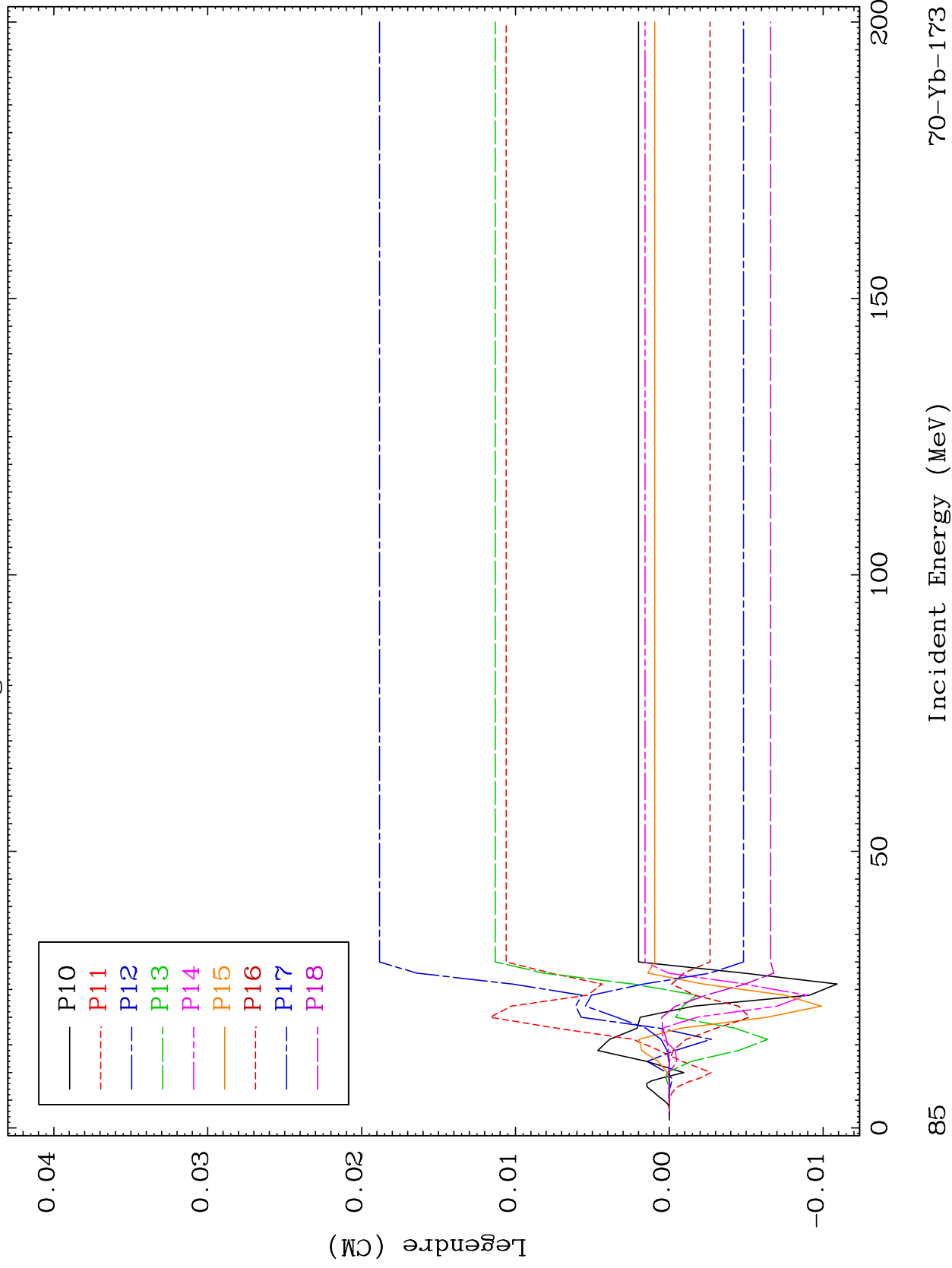




MAT 7040

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

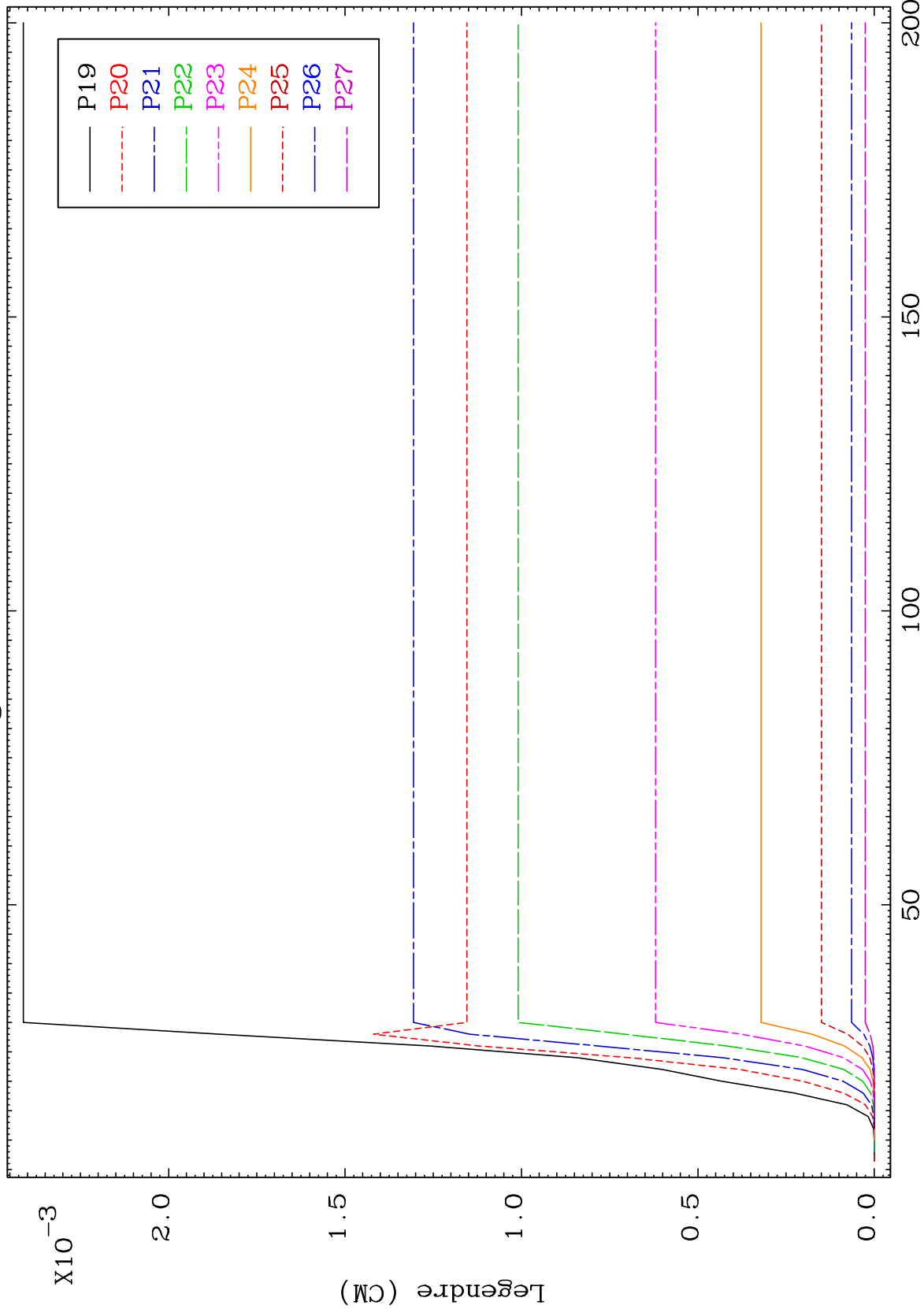
70-Yb-173



70-Yb-173

Incident Energy (MeV)

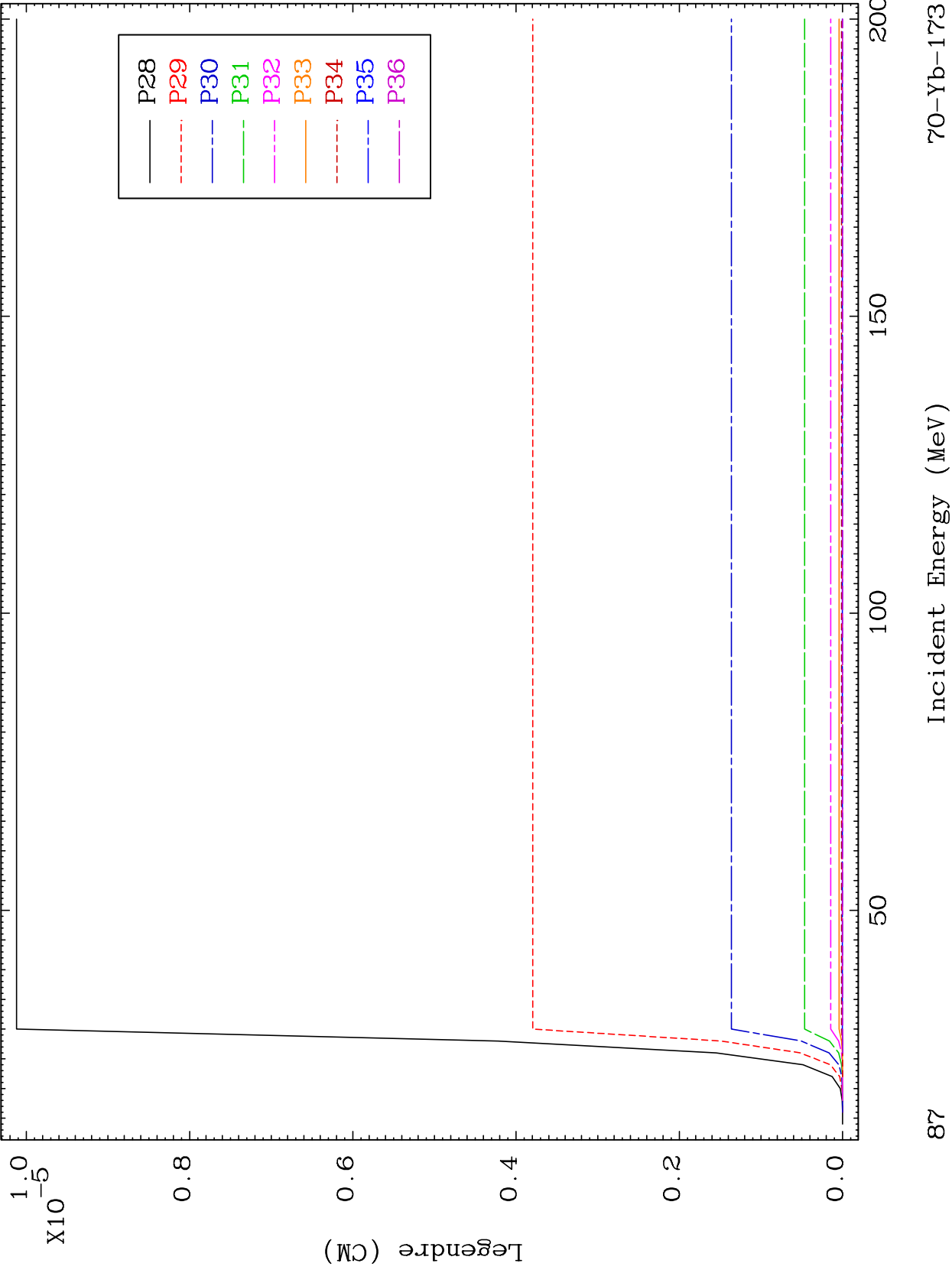
85



MAT 7040

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

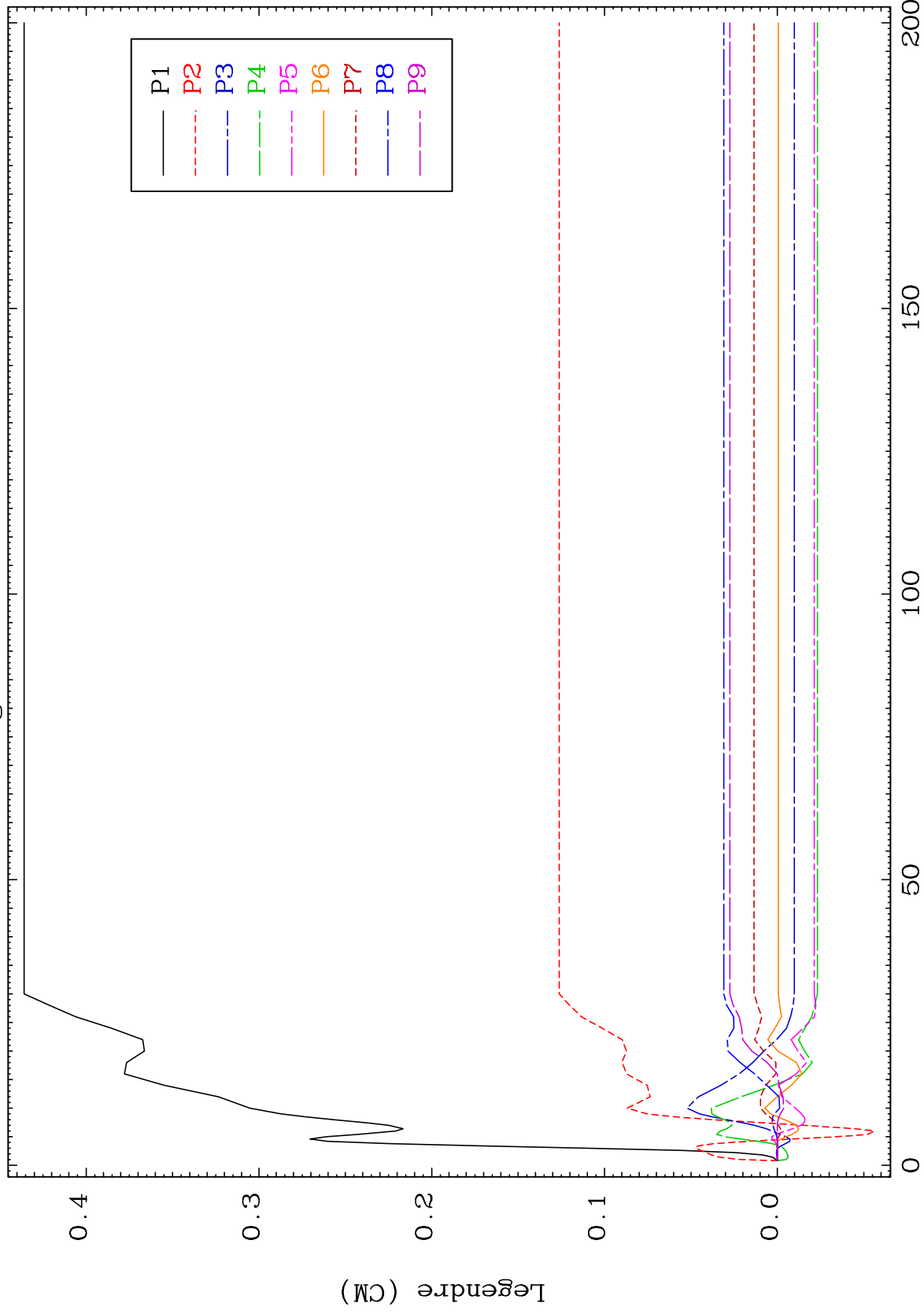
70-Yb-173



MAT 7040

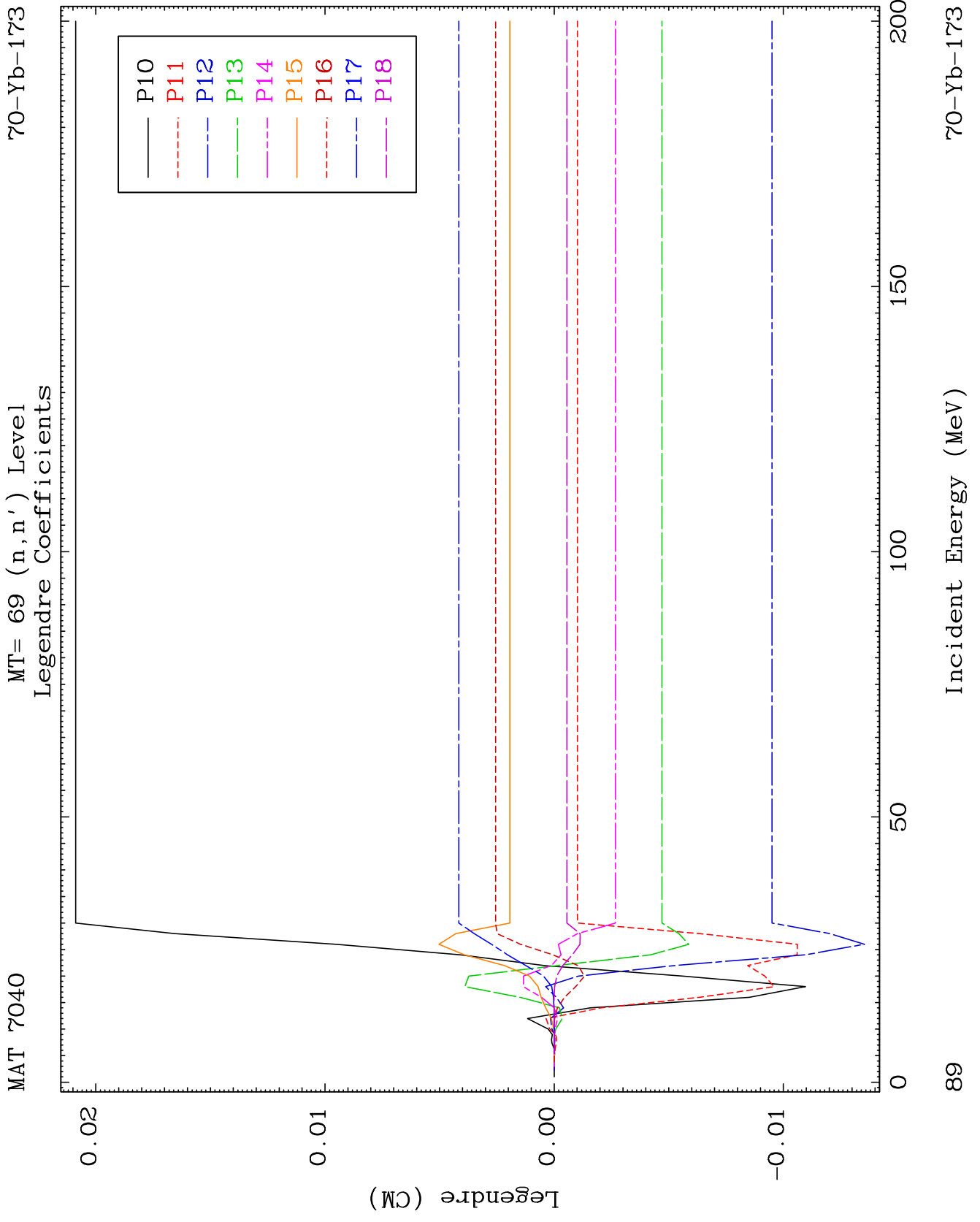
MT= 69 (n,n') Level
Legendre Coefficients

70-Yb-173



88

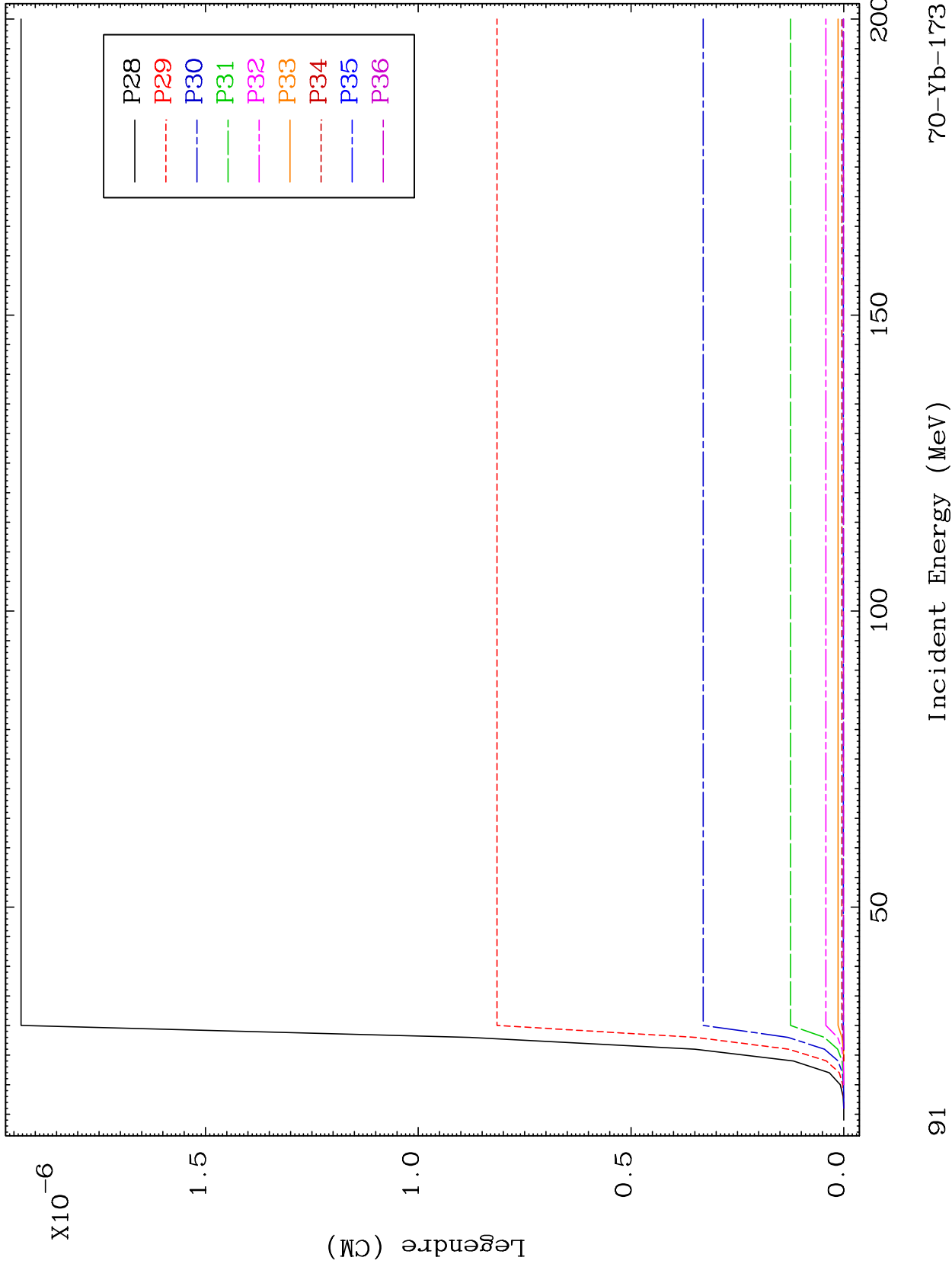
70-Yb-173

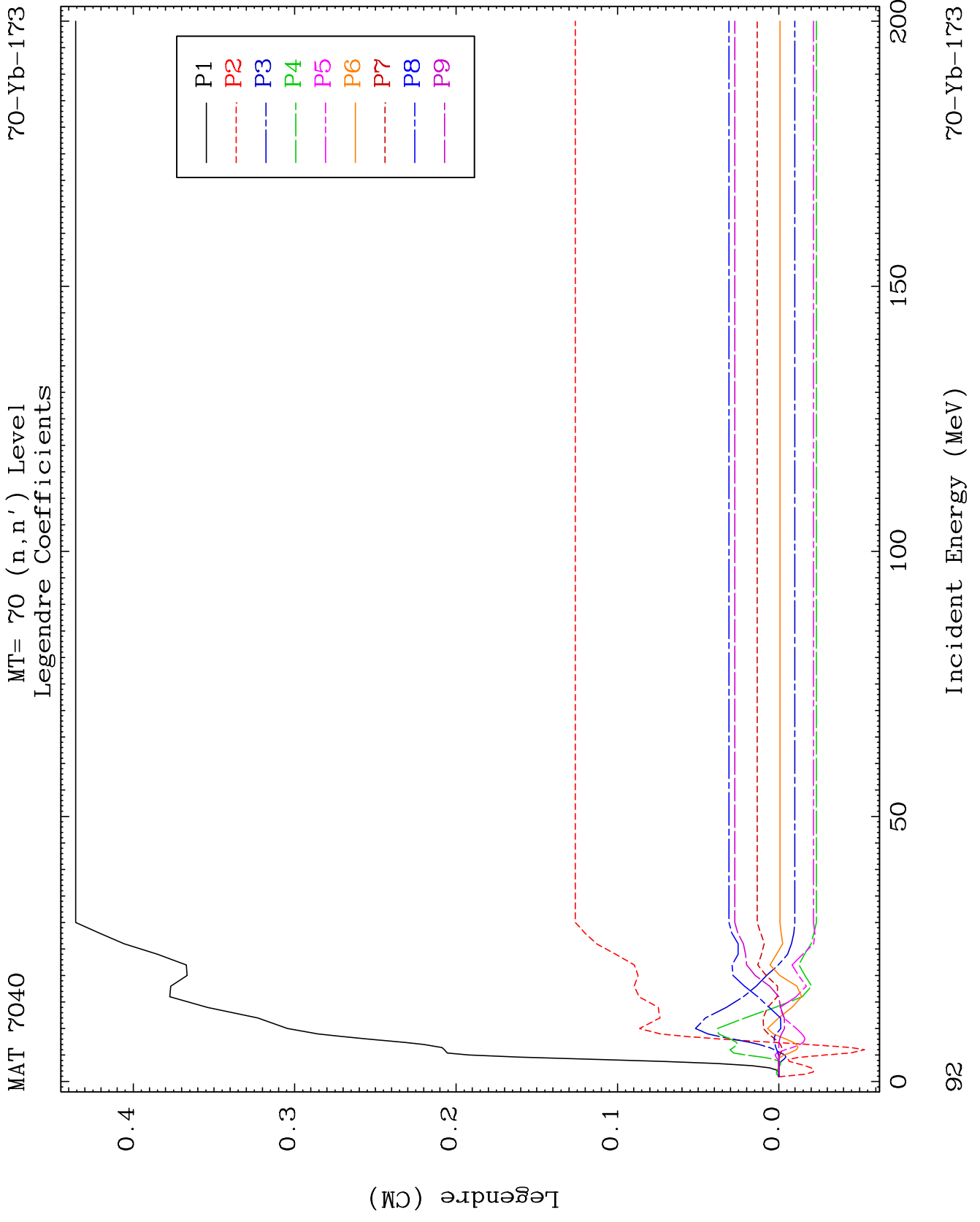


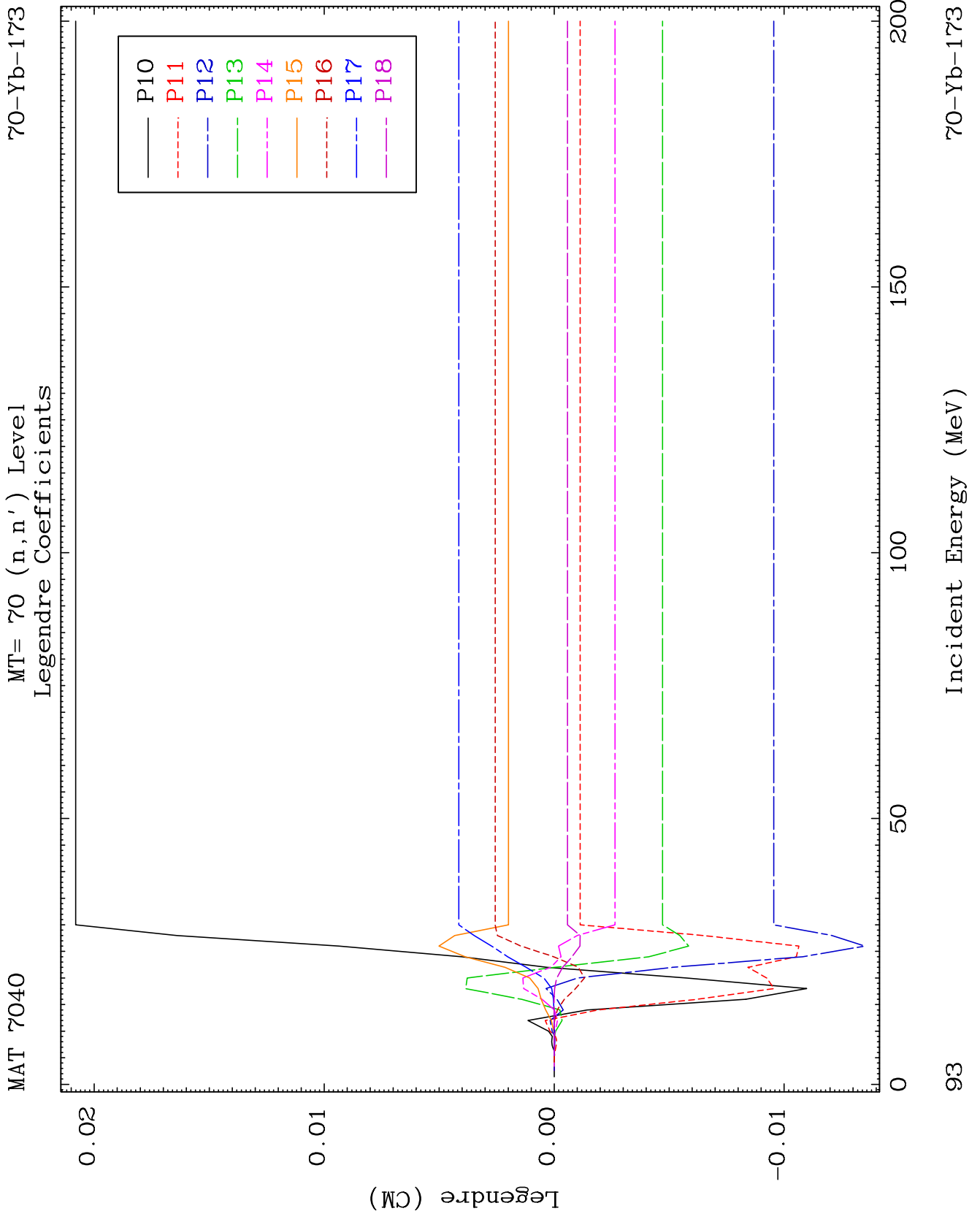
MAT 7040

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

70-Yb-173



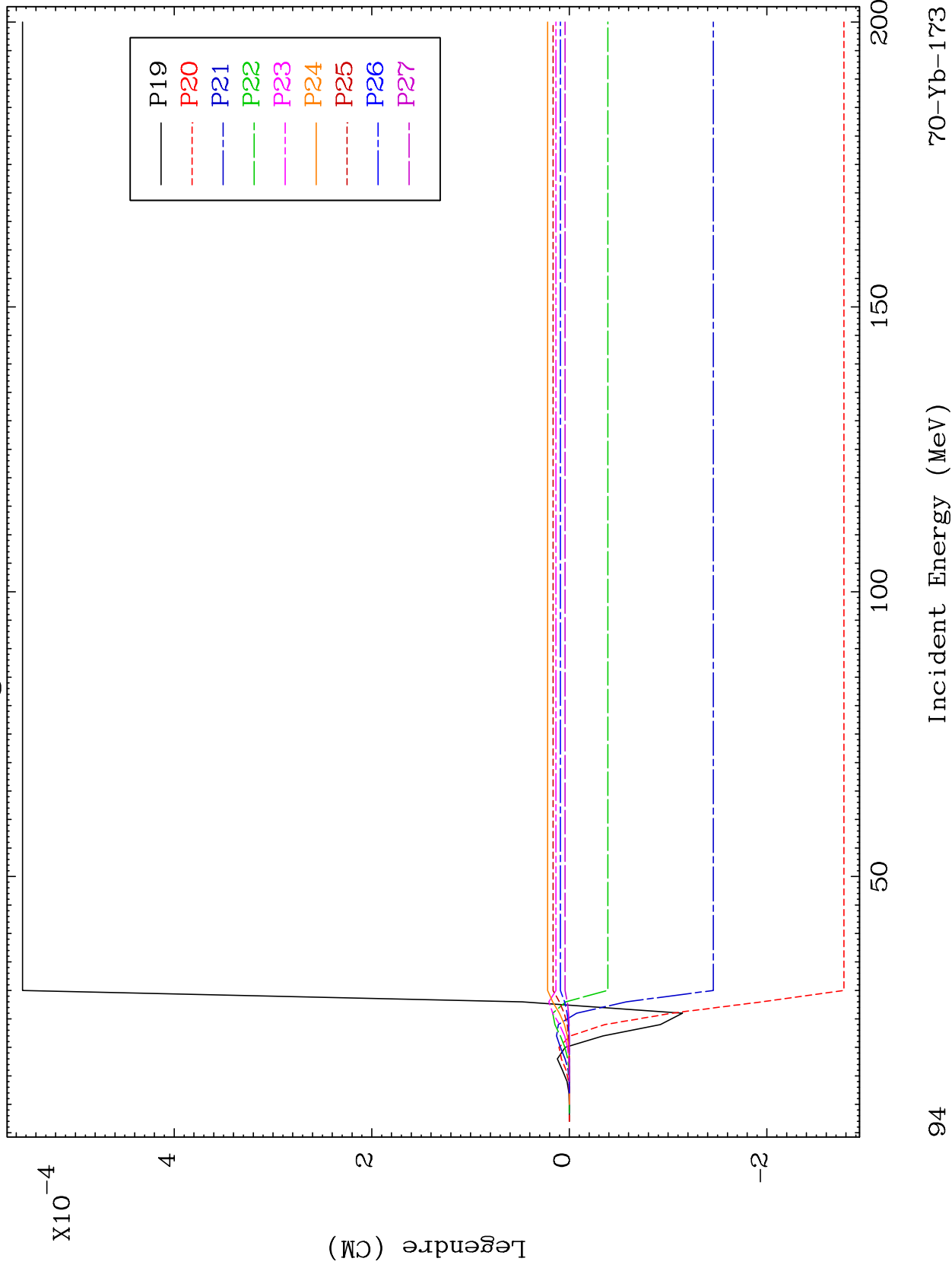




MAT 7040

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

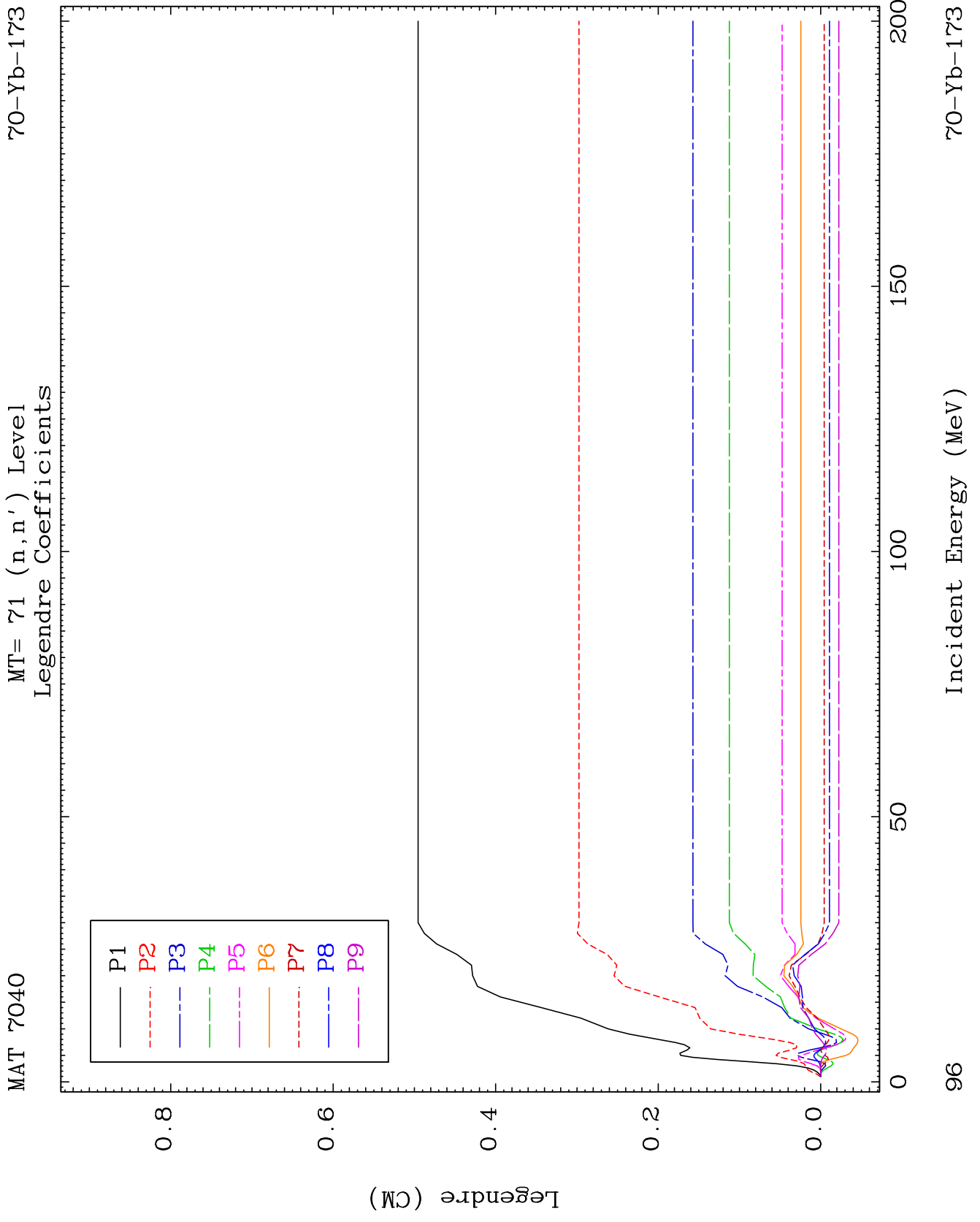
70-Yb-173

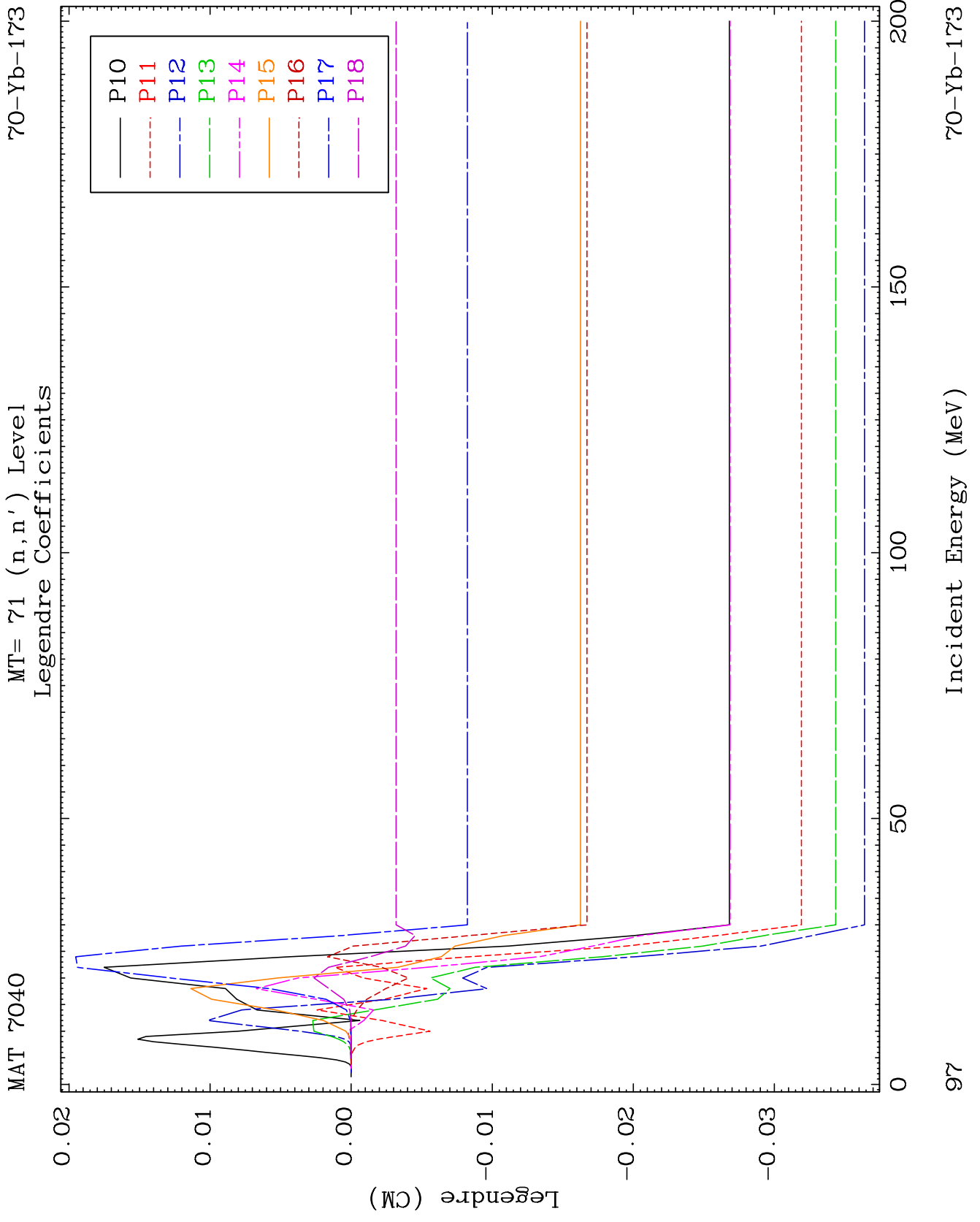


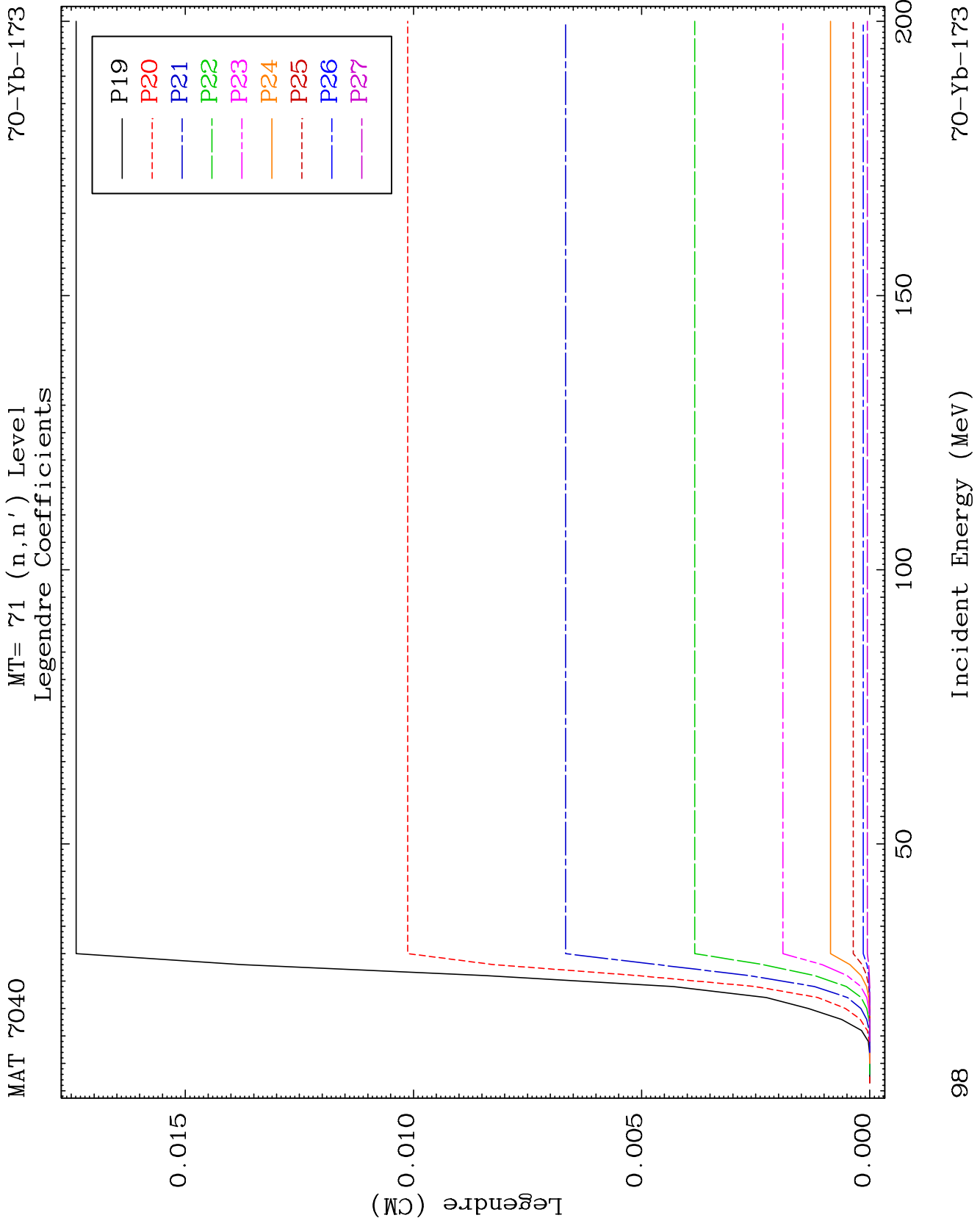
94

Incident Energy (MeV)

70-Yb-173



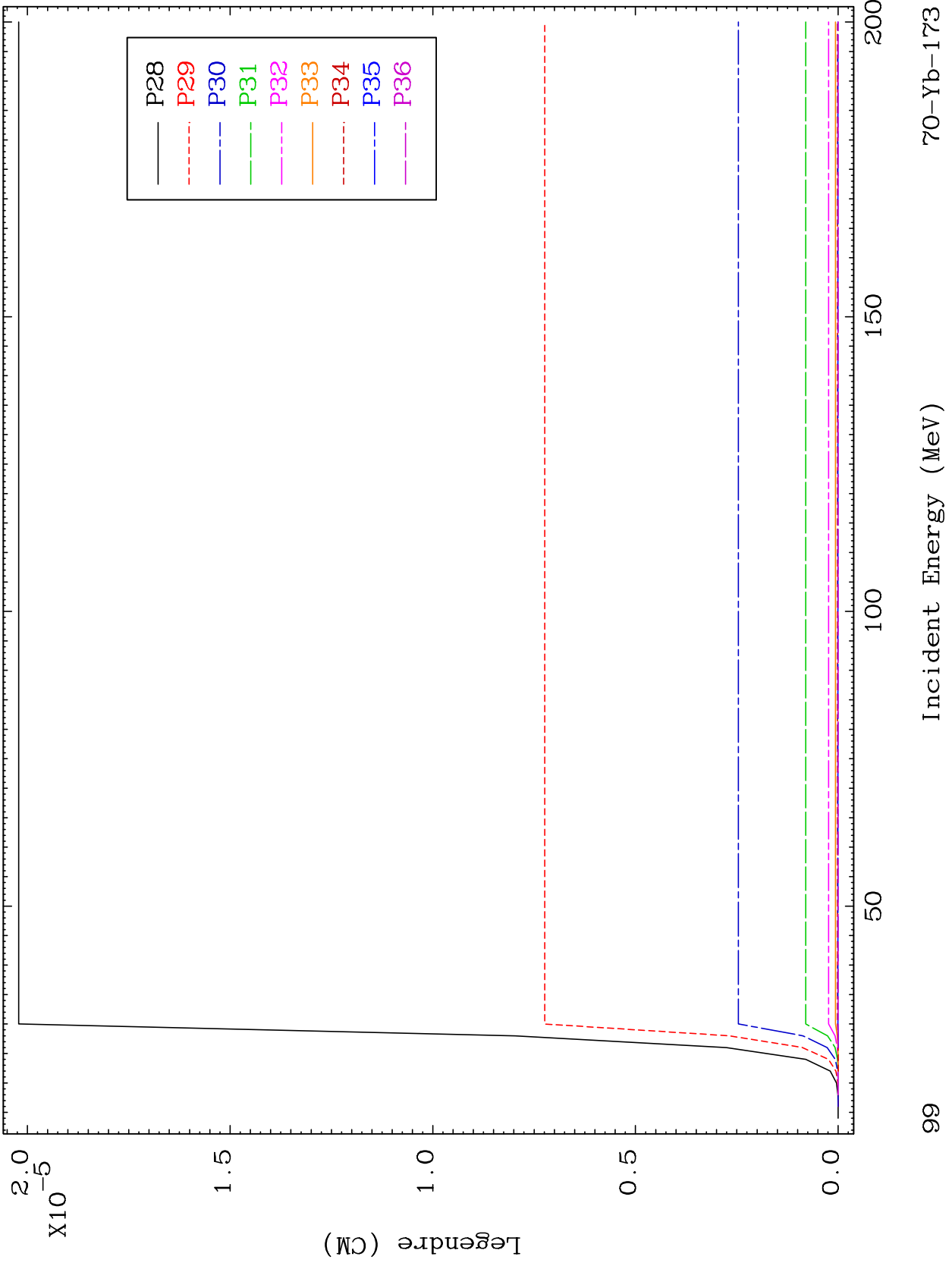


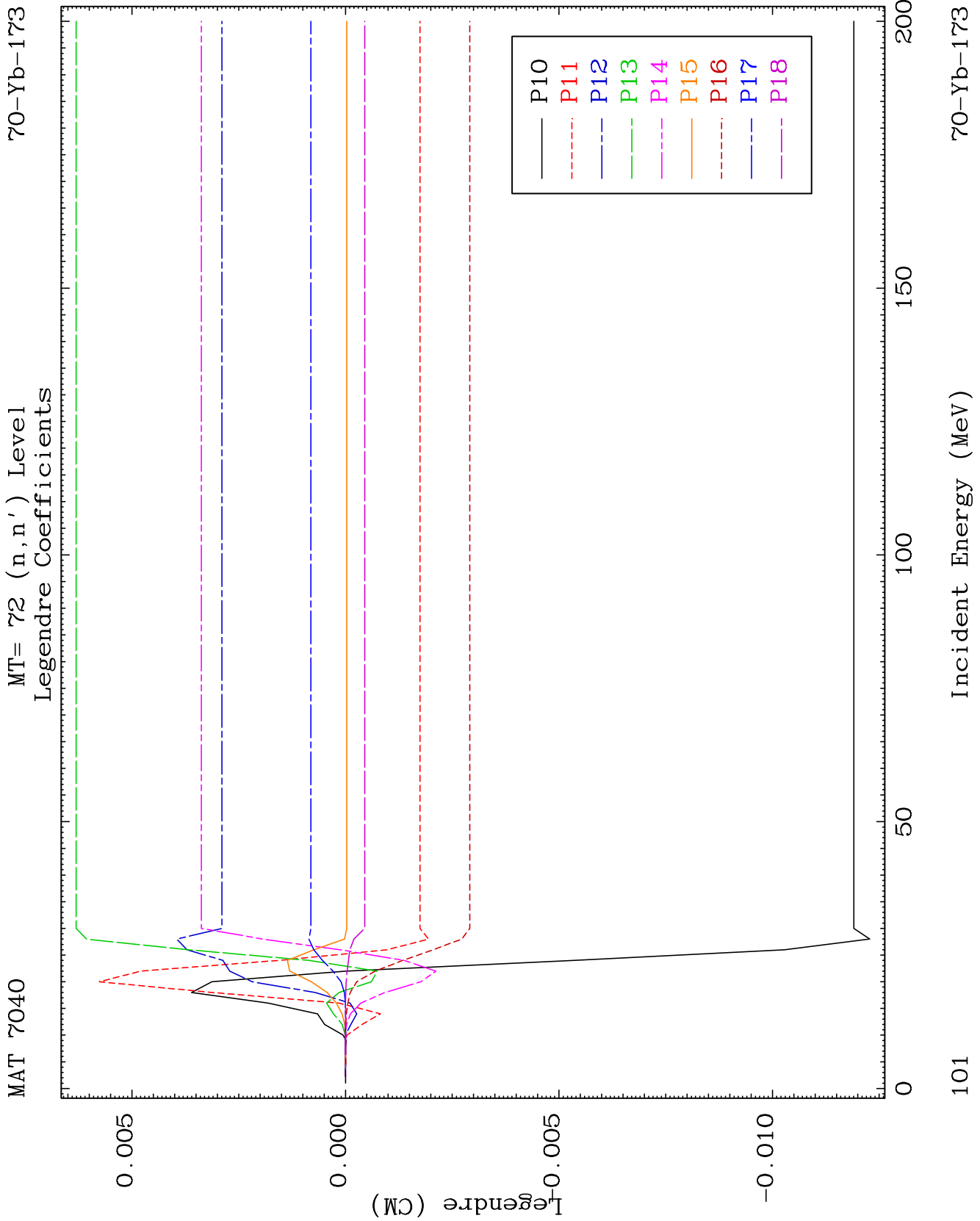


MAT 7040

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

70-Yb-173

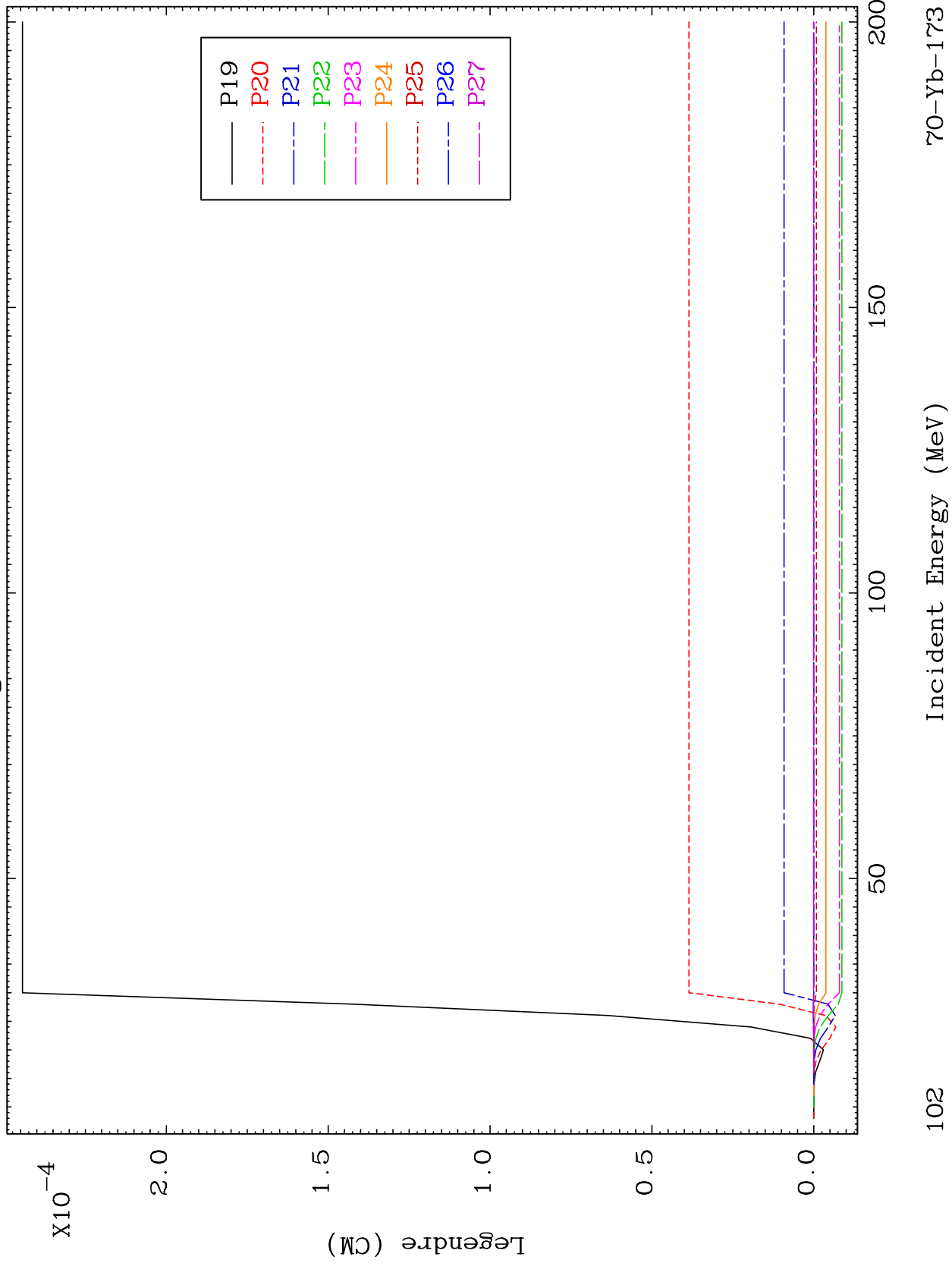




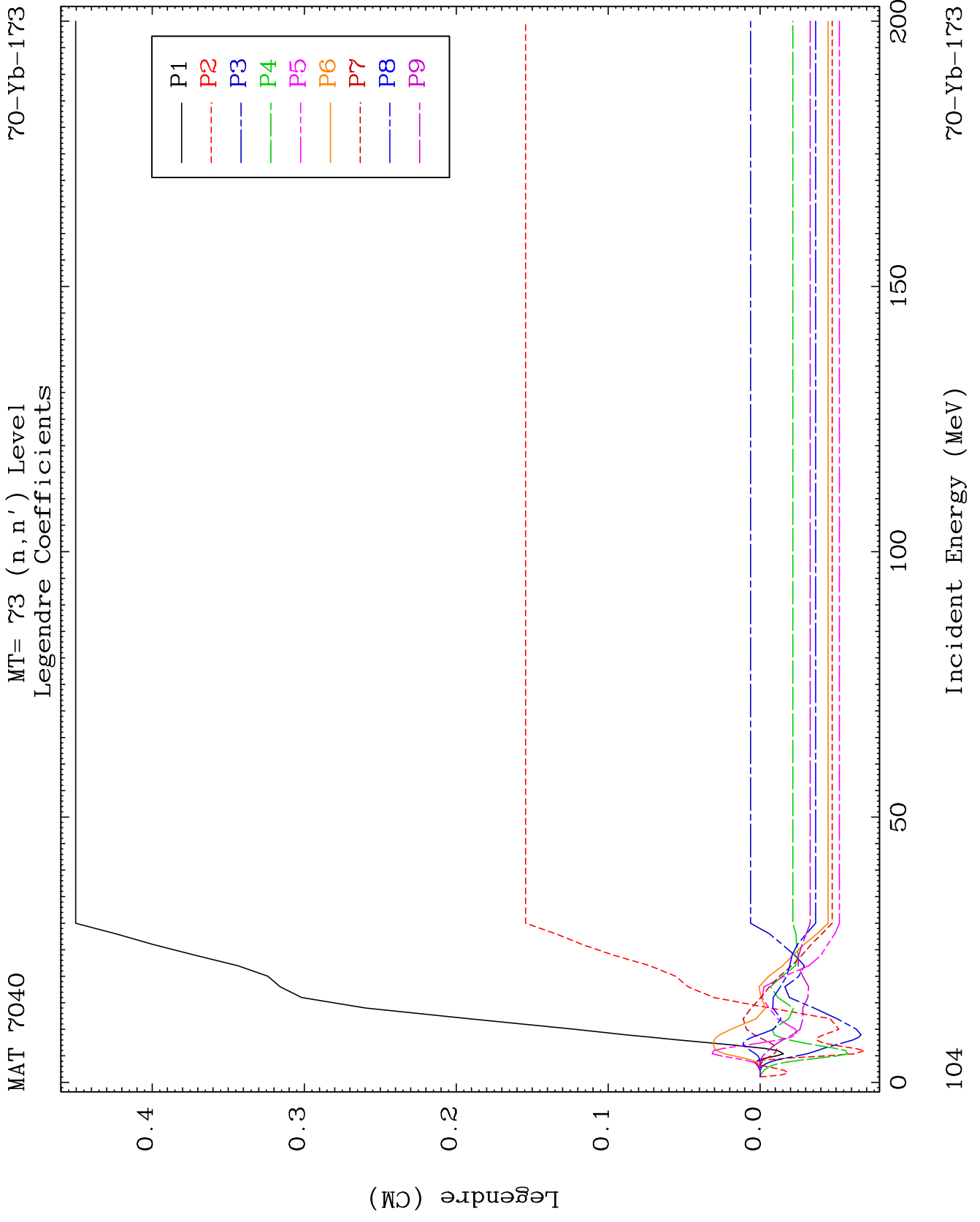
MAT 7040

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

70-Yb-173



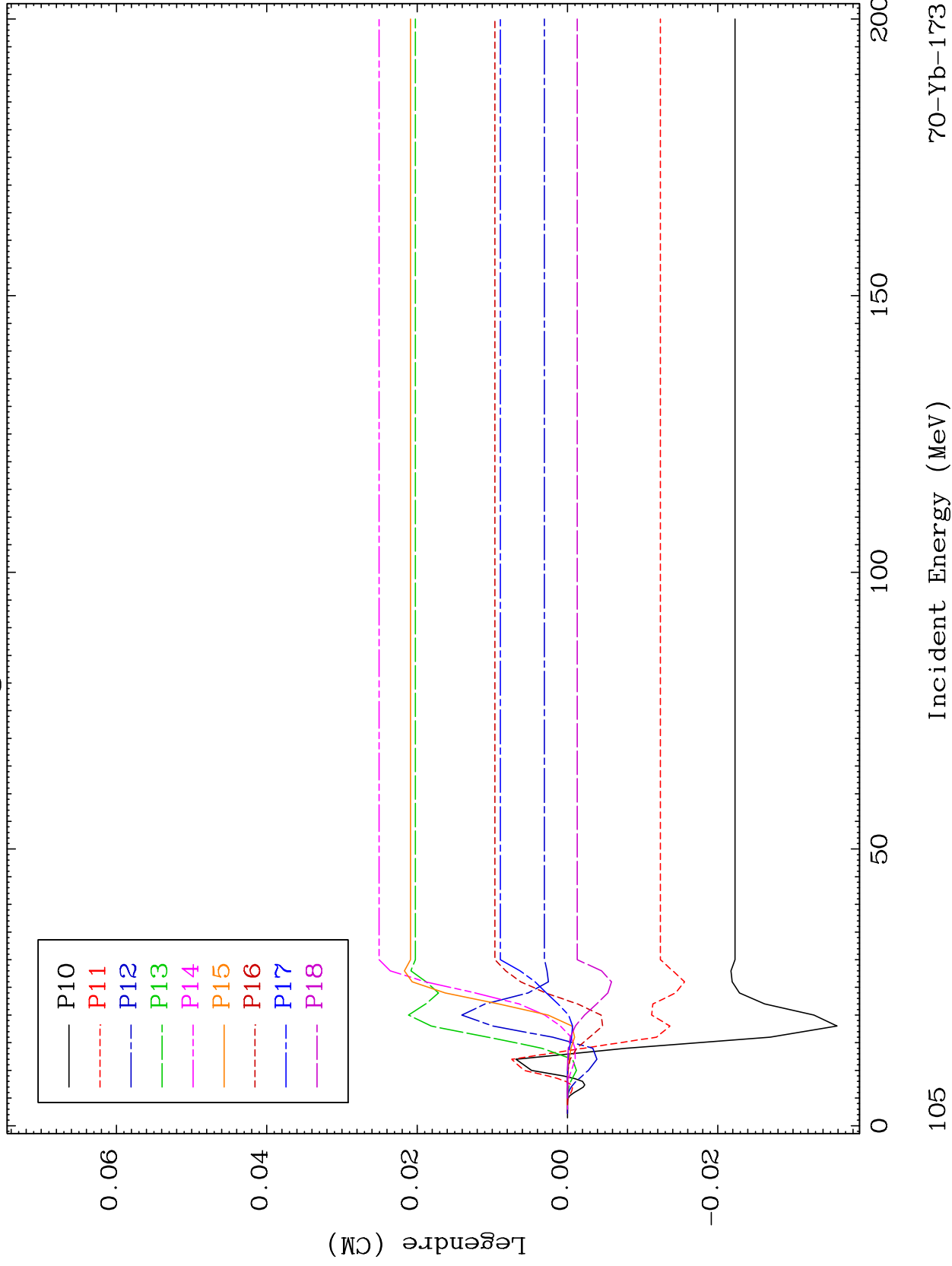
102



MAT 7040

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

70-Yb-173



70-Yb-173

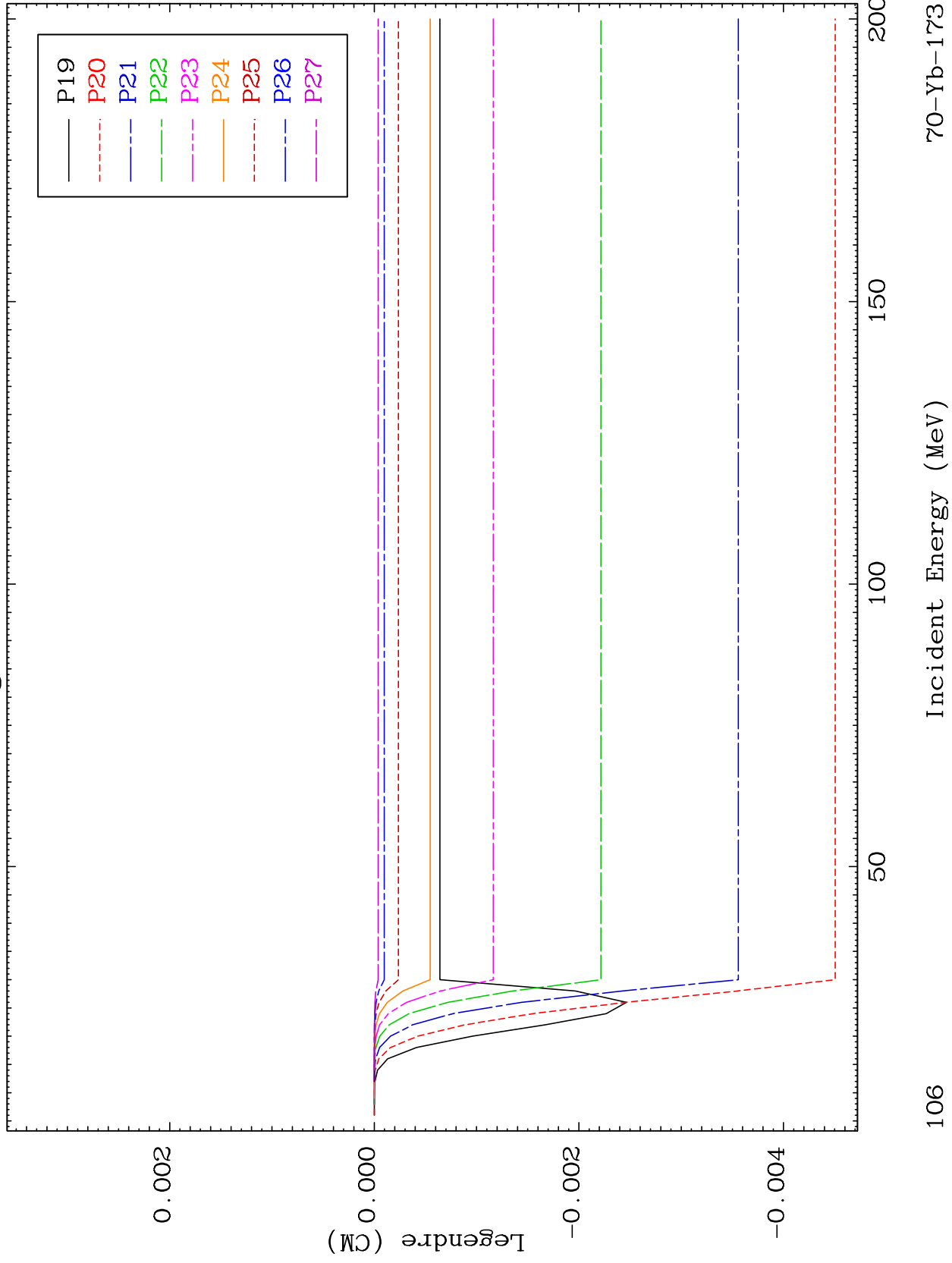
Incident Energy (MeV)

105

MAT 7040

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

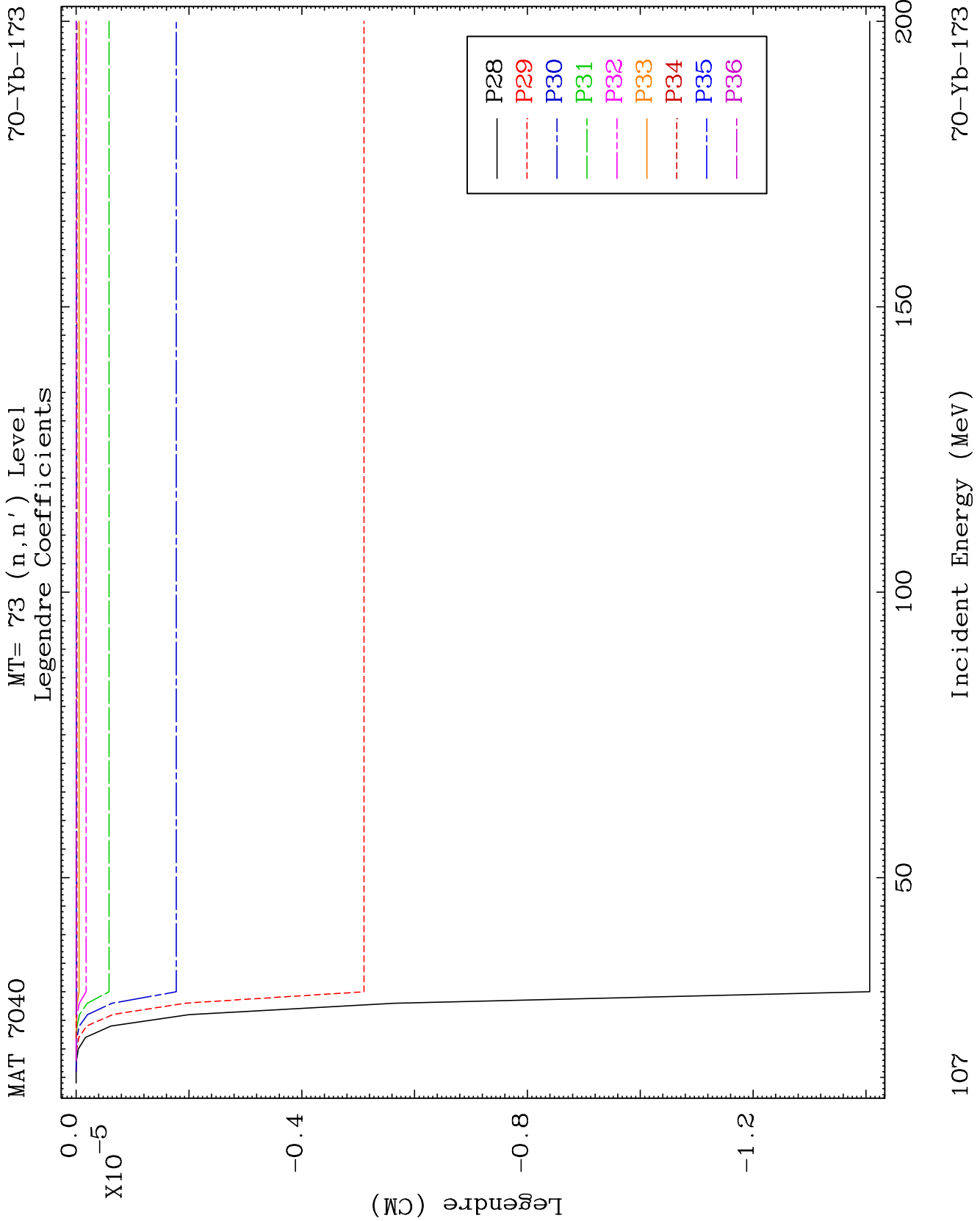
70-Yb-173

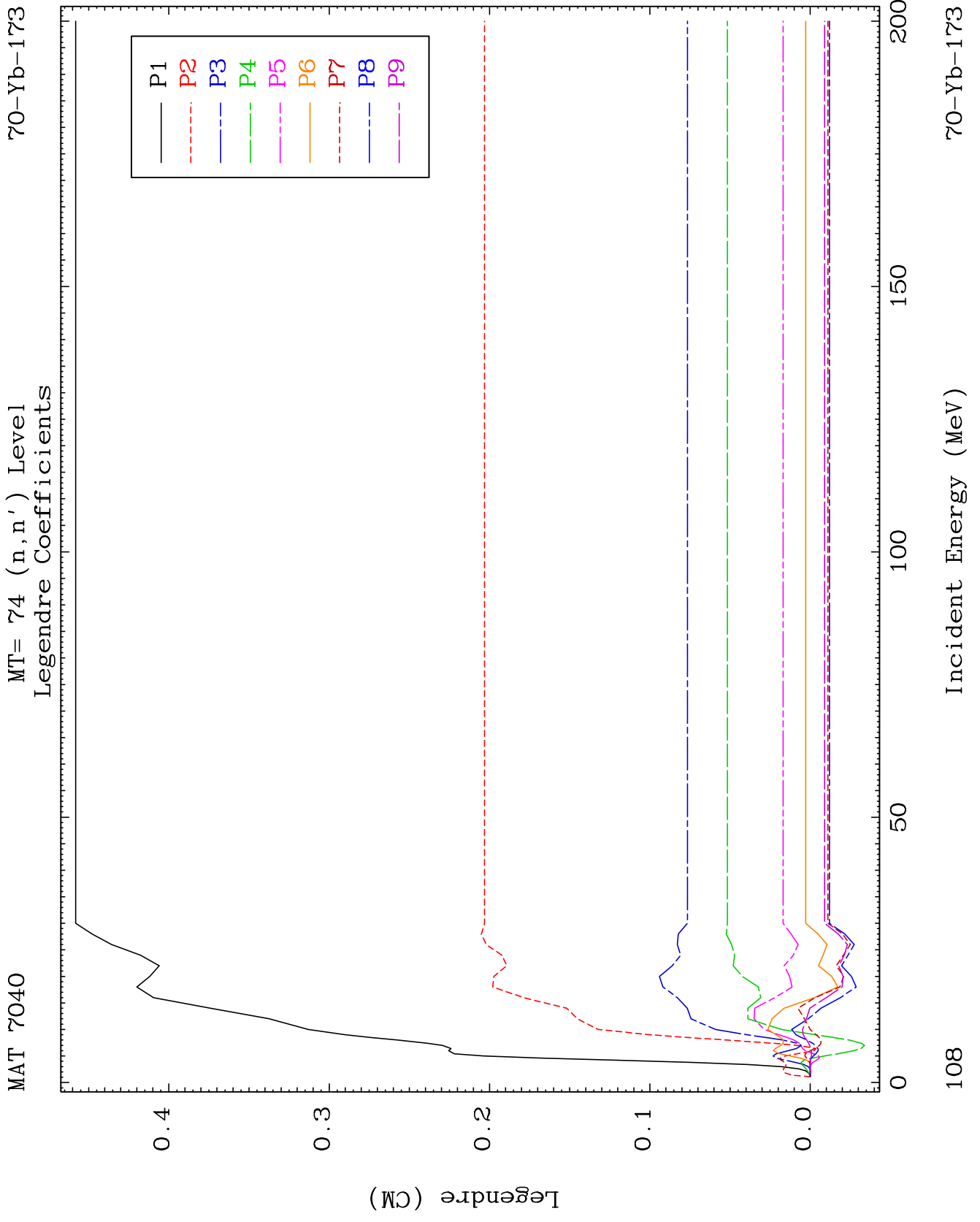


106

Incident Energy (MeV)

70-Yb-173

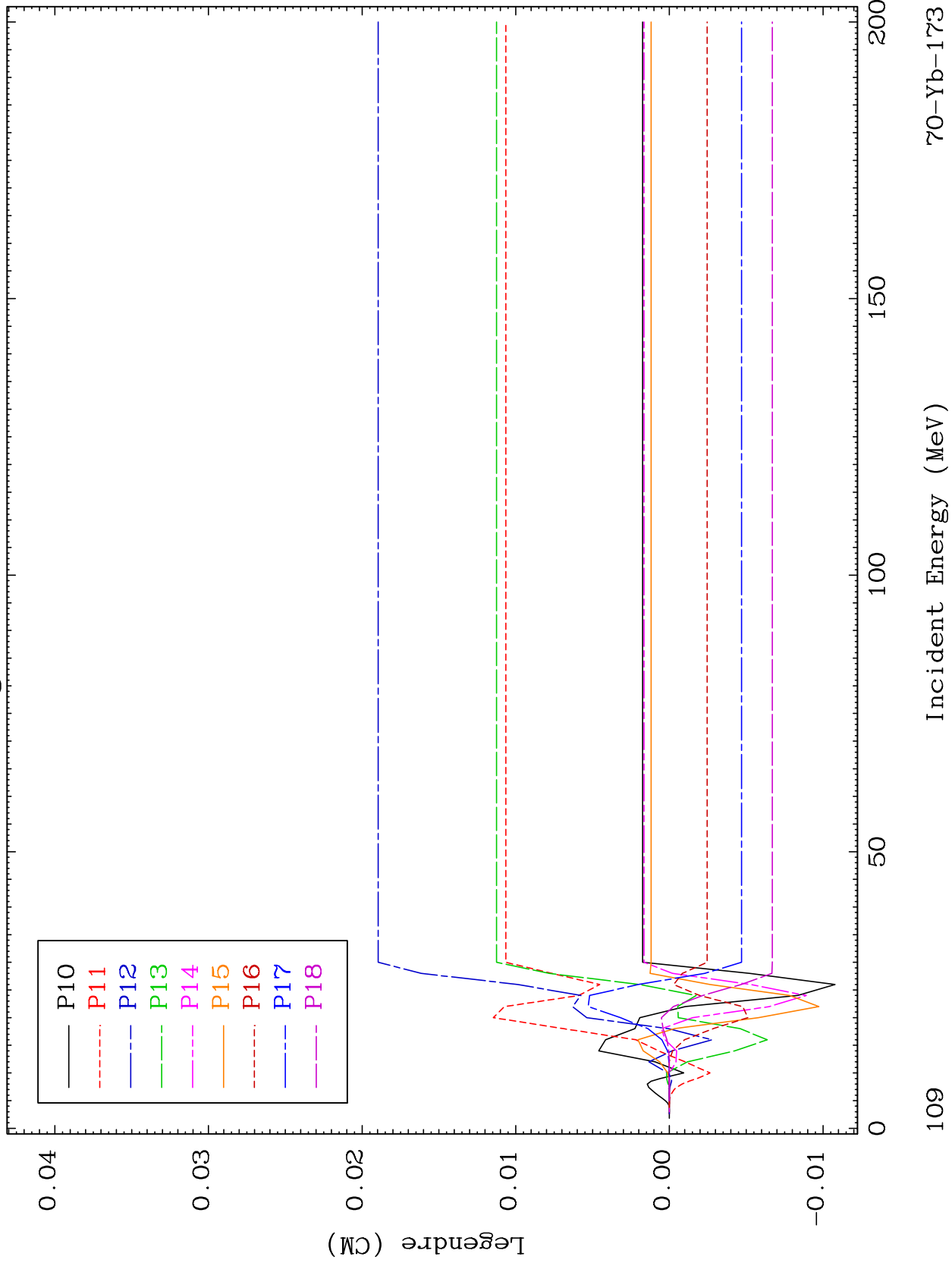




MAT 7040

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

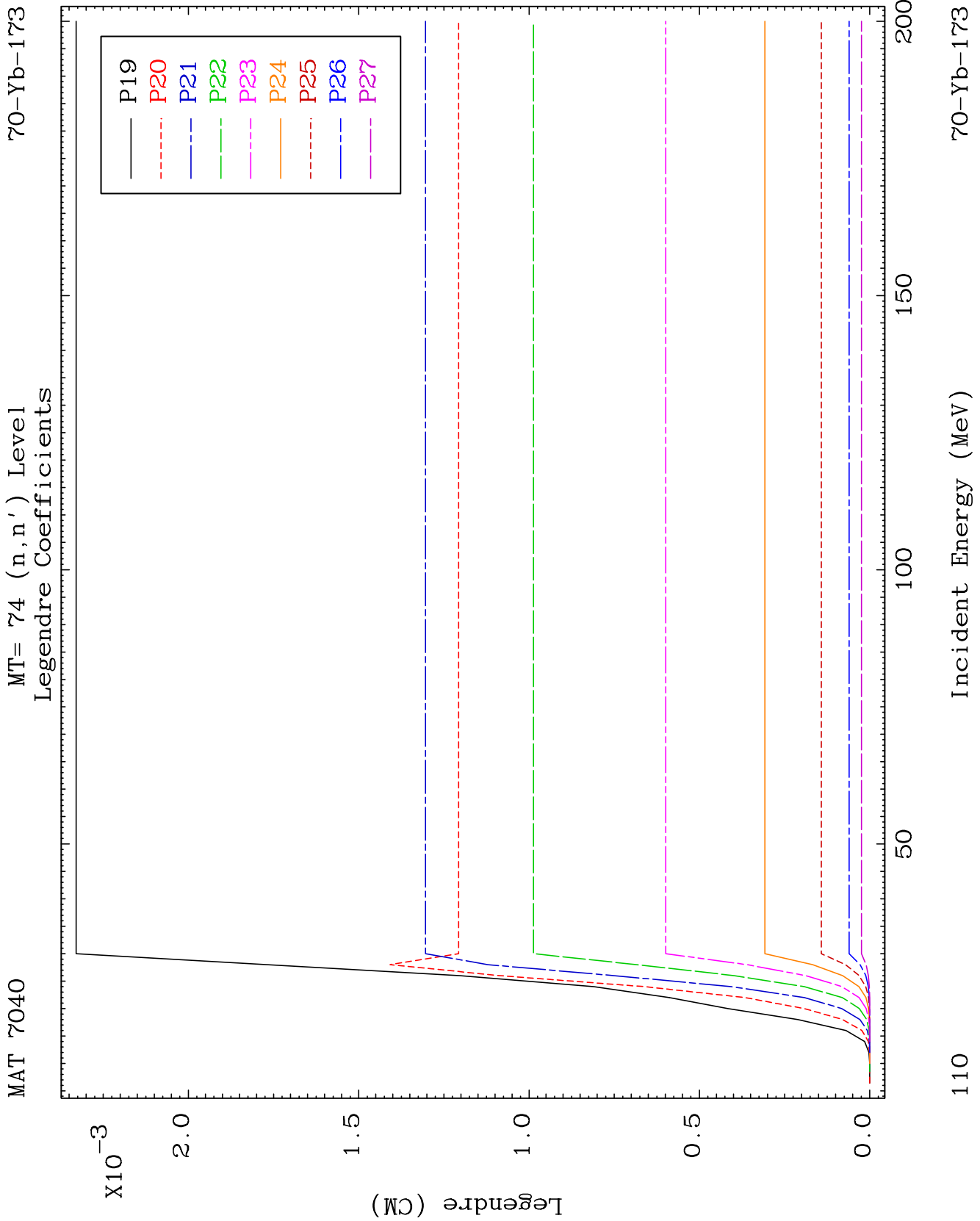
70-Yb-173



70-Yb-173

Incident Energy (MeV)

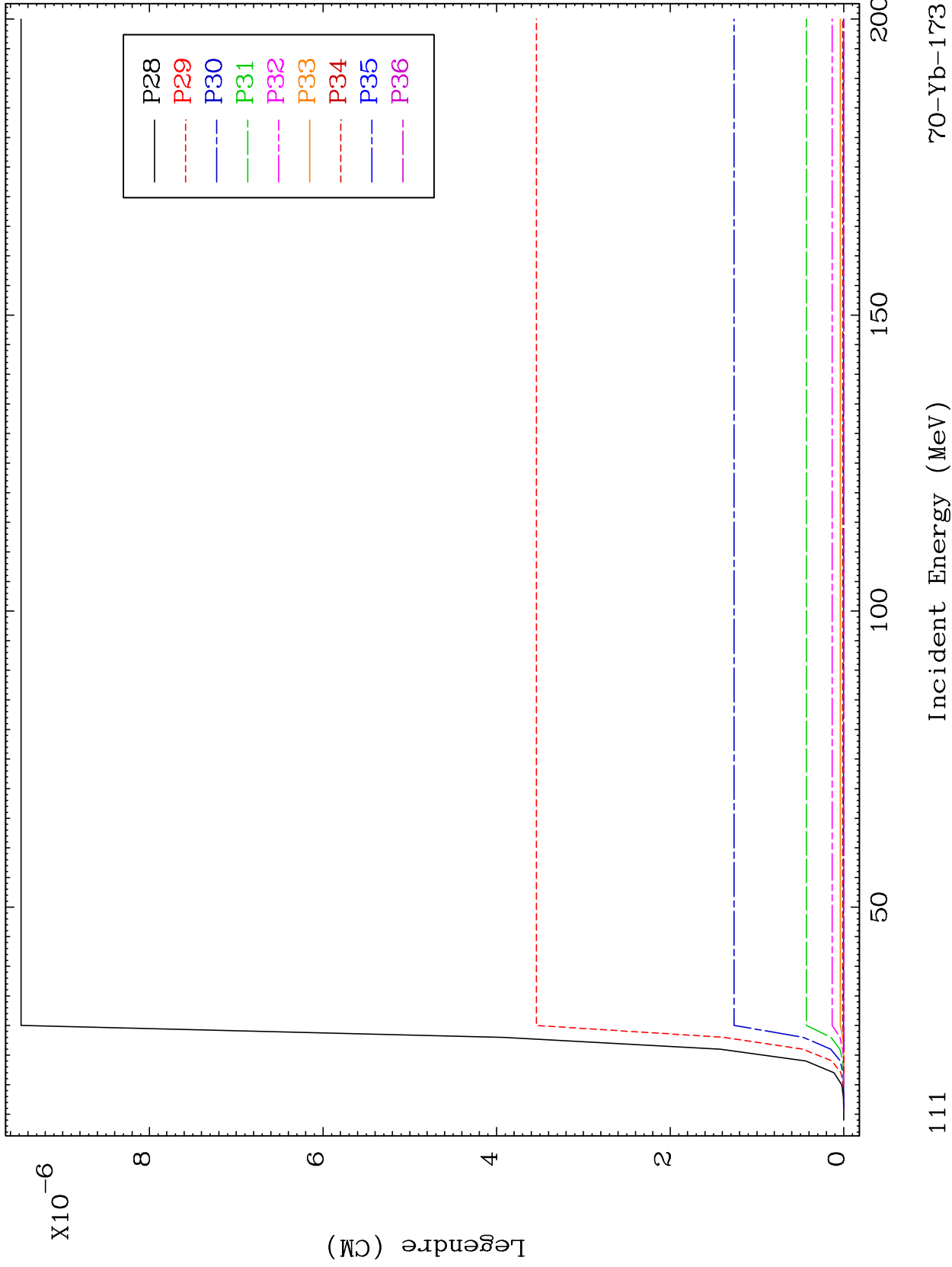
109



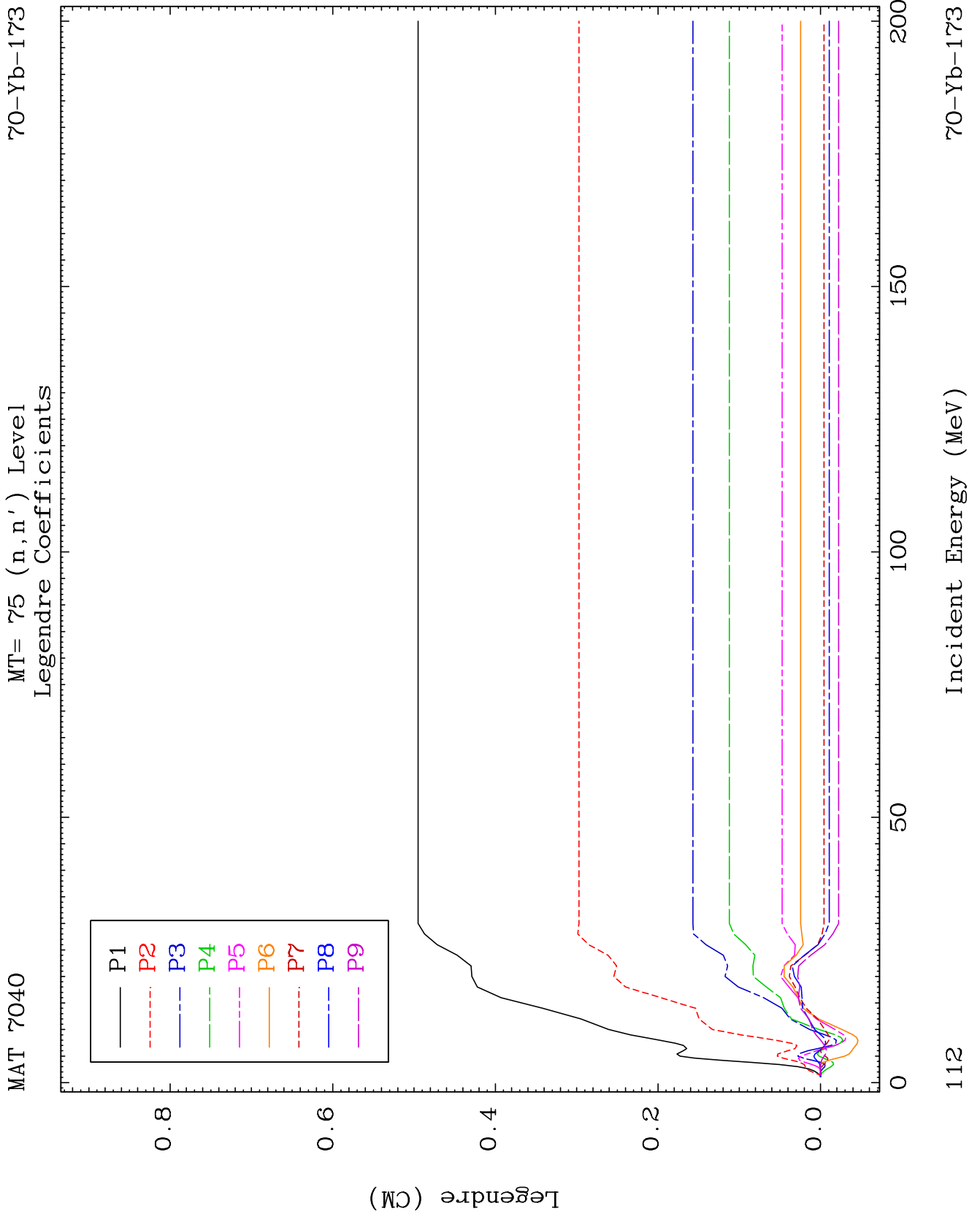
MAT 7040

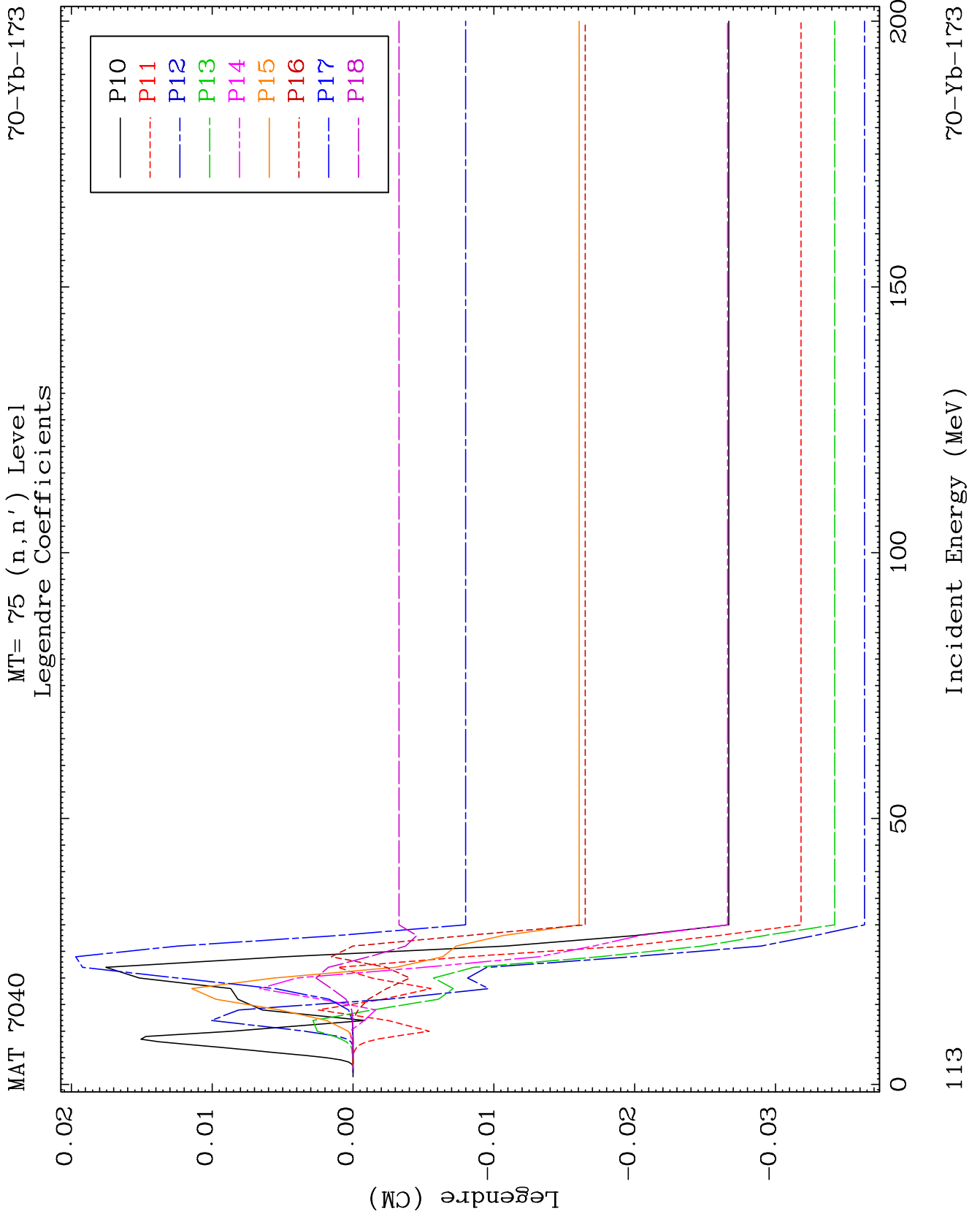
MT= 74 (n,n') Level
Legendre Coefficients

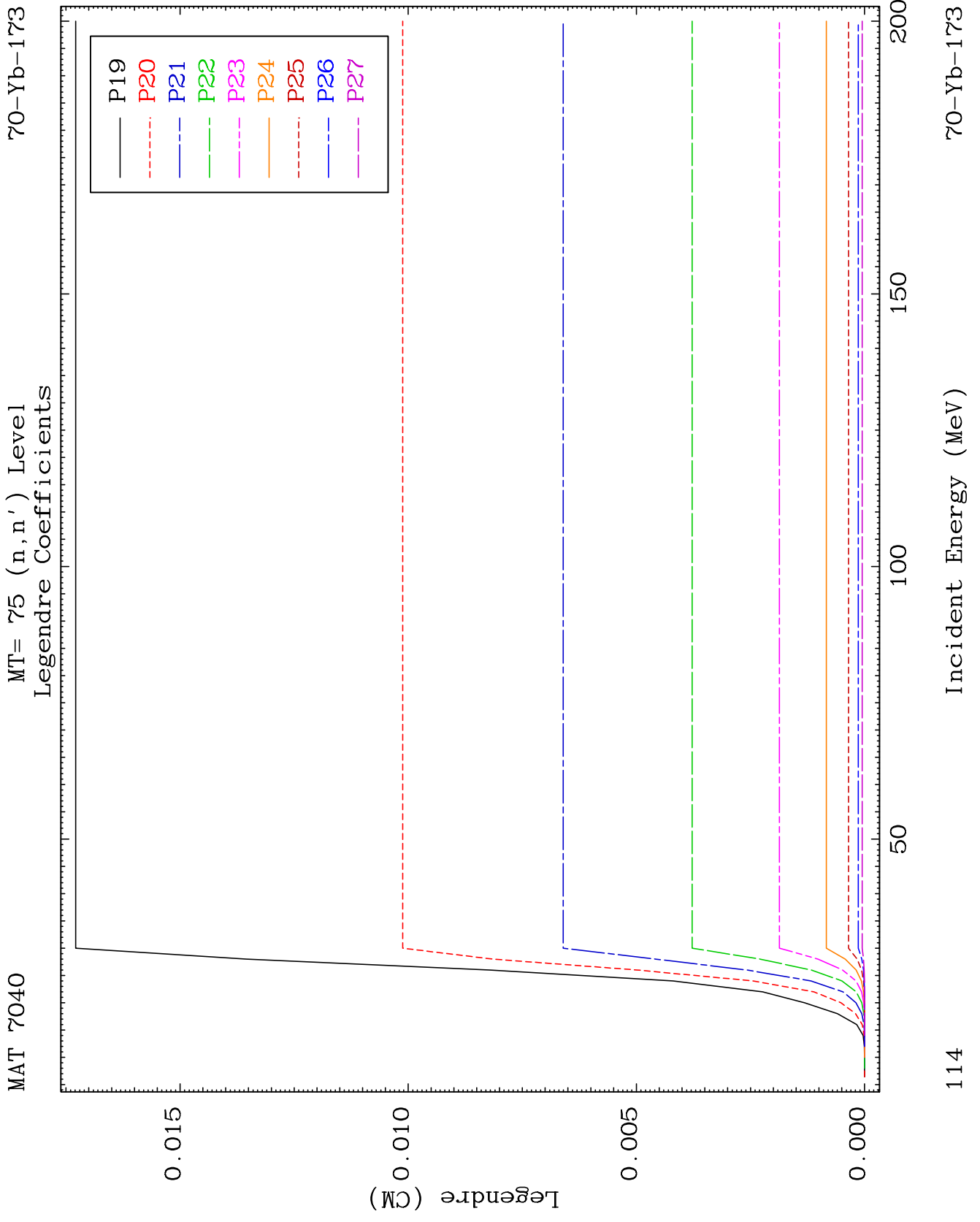
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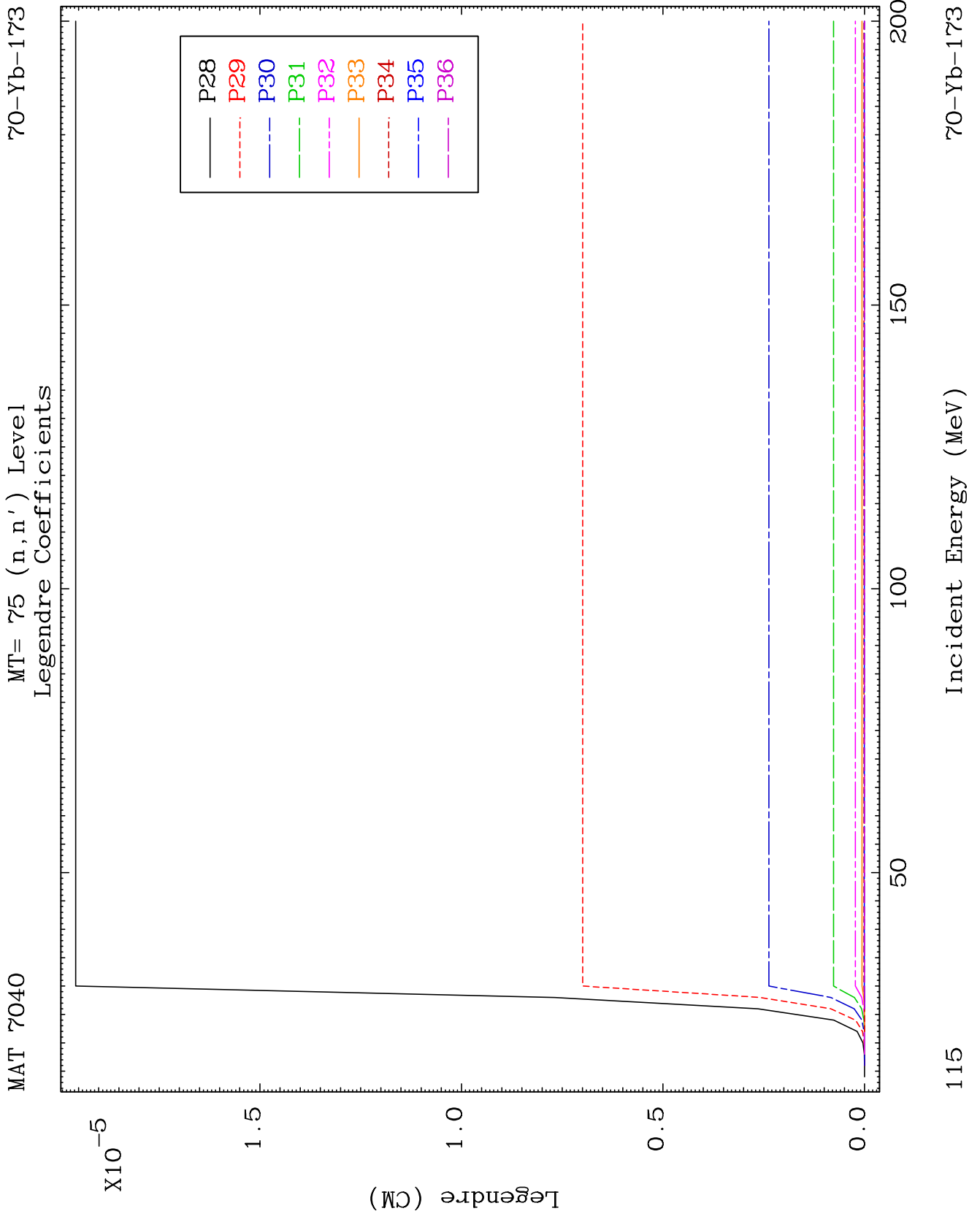


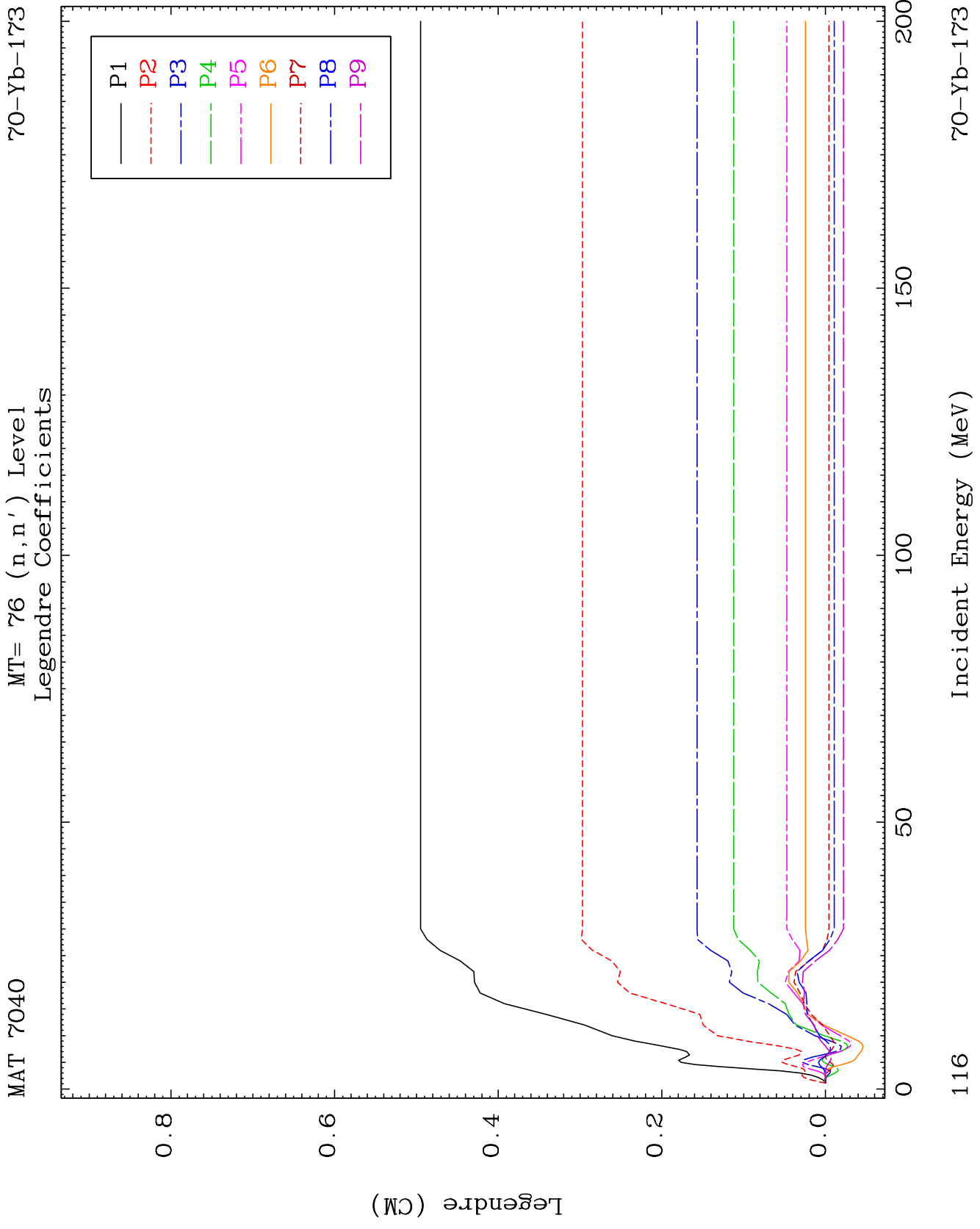
111

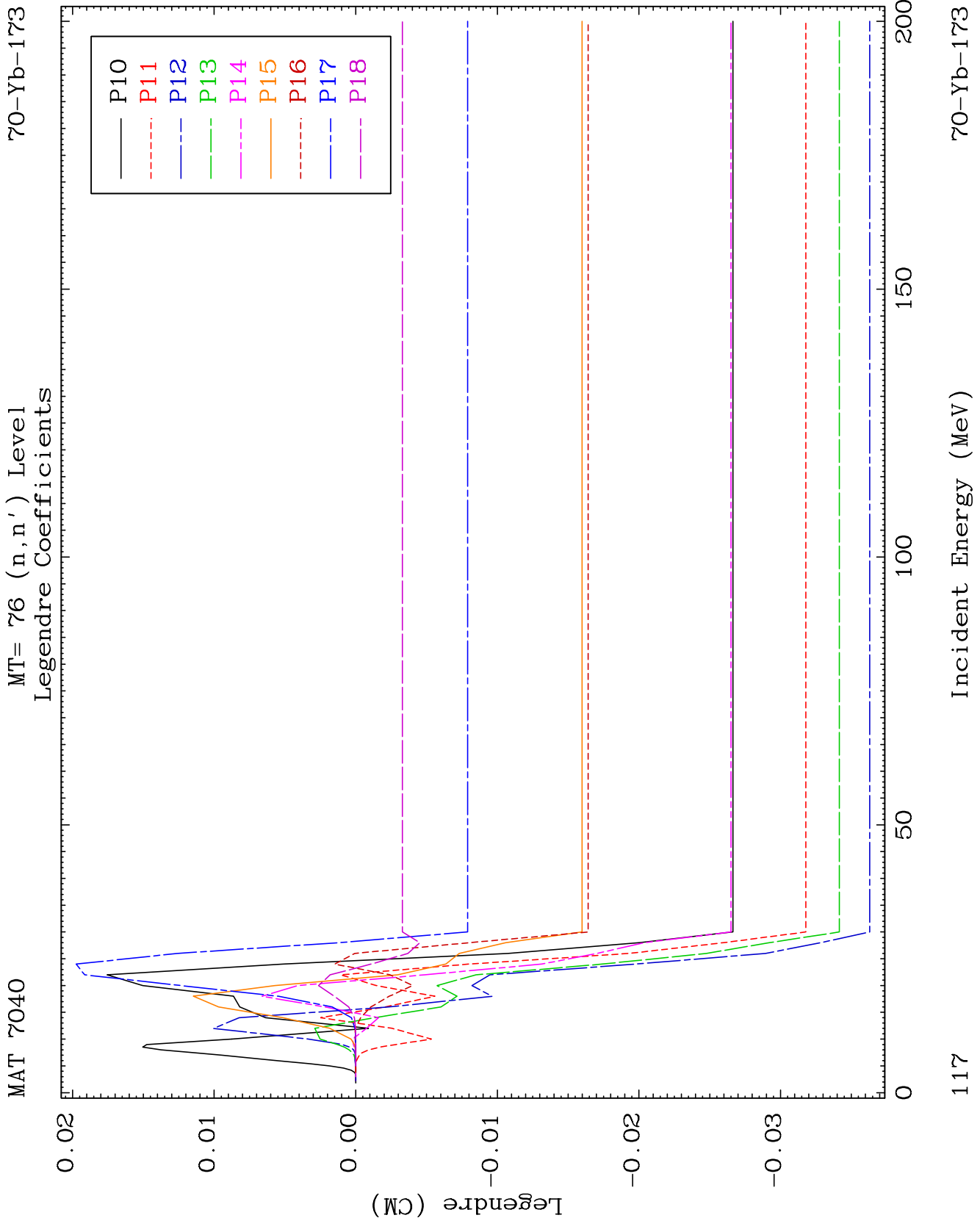








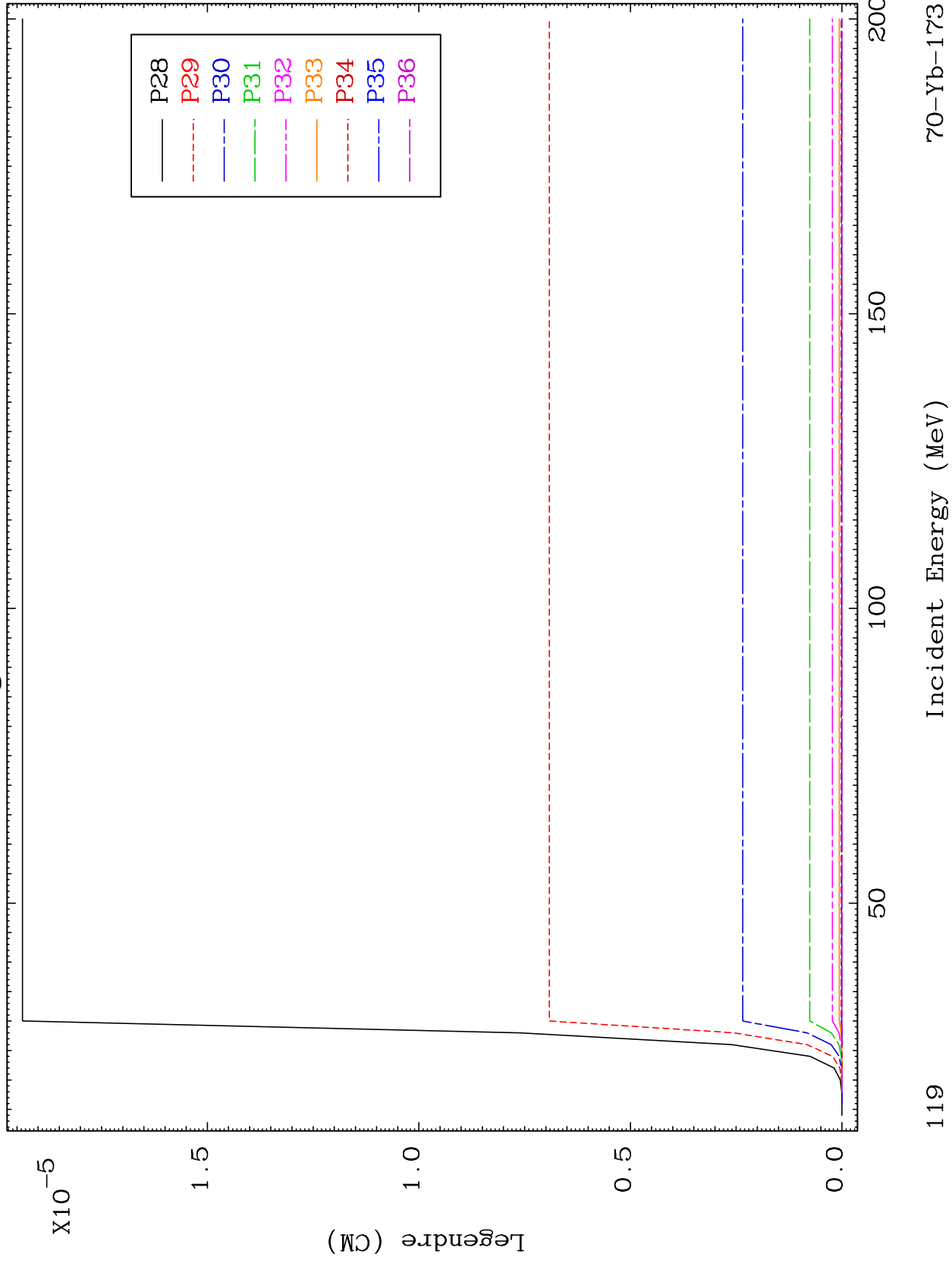




MAT 7040

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

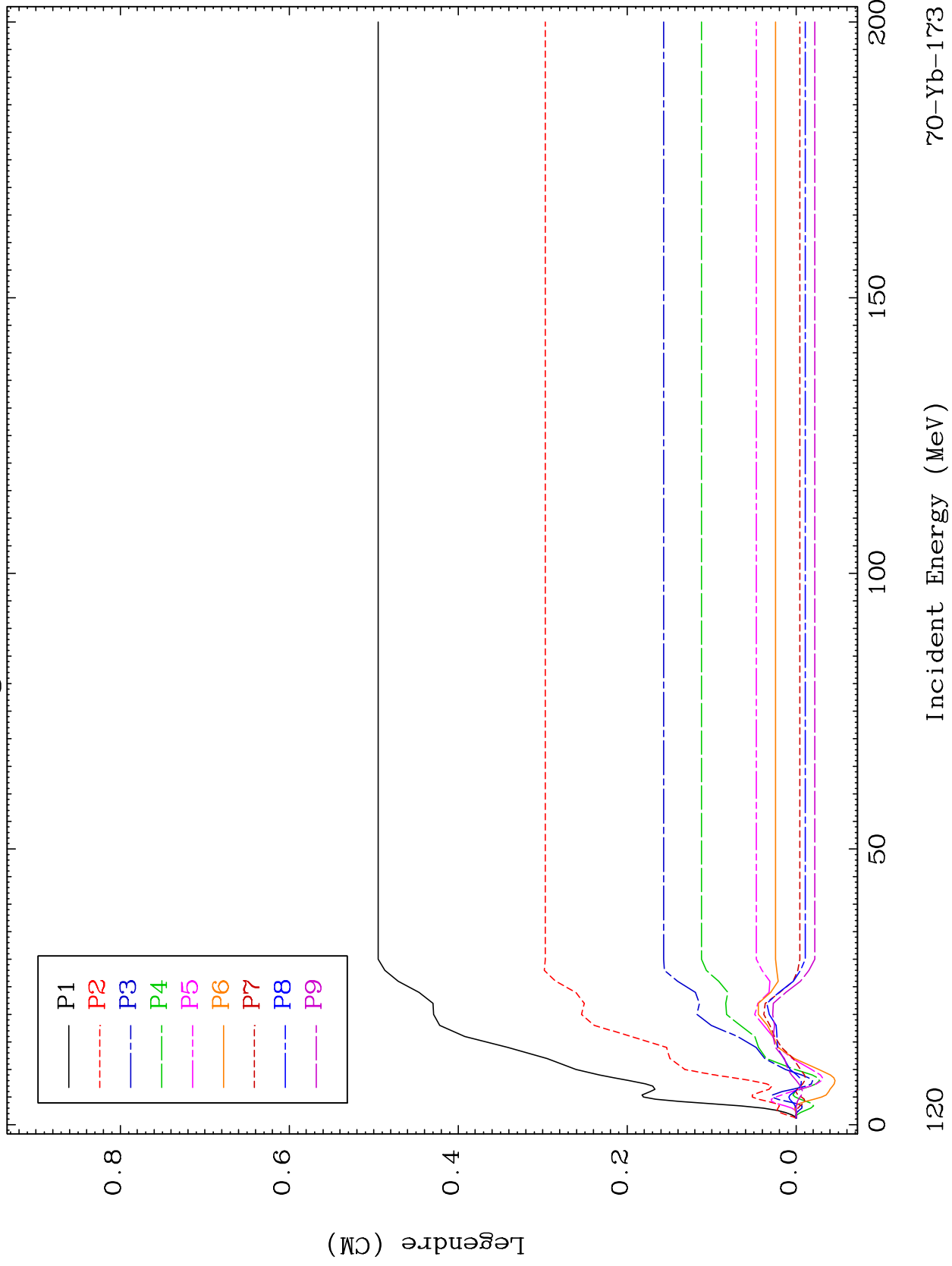
70-Yb-173

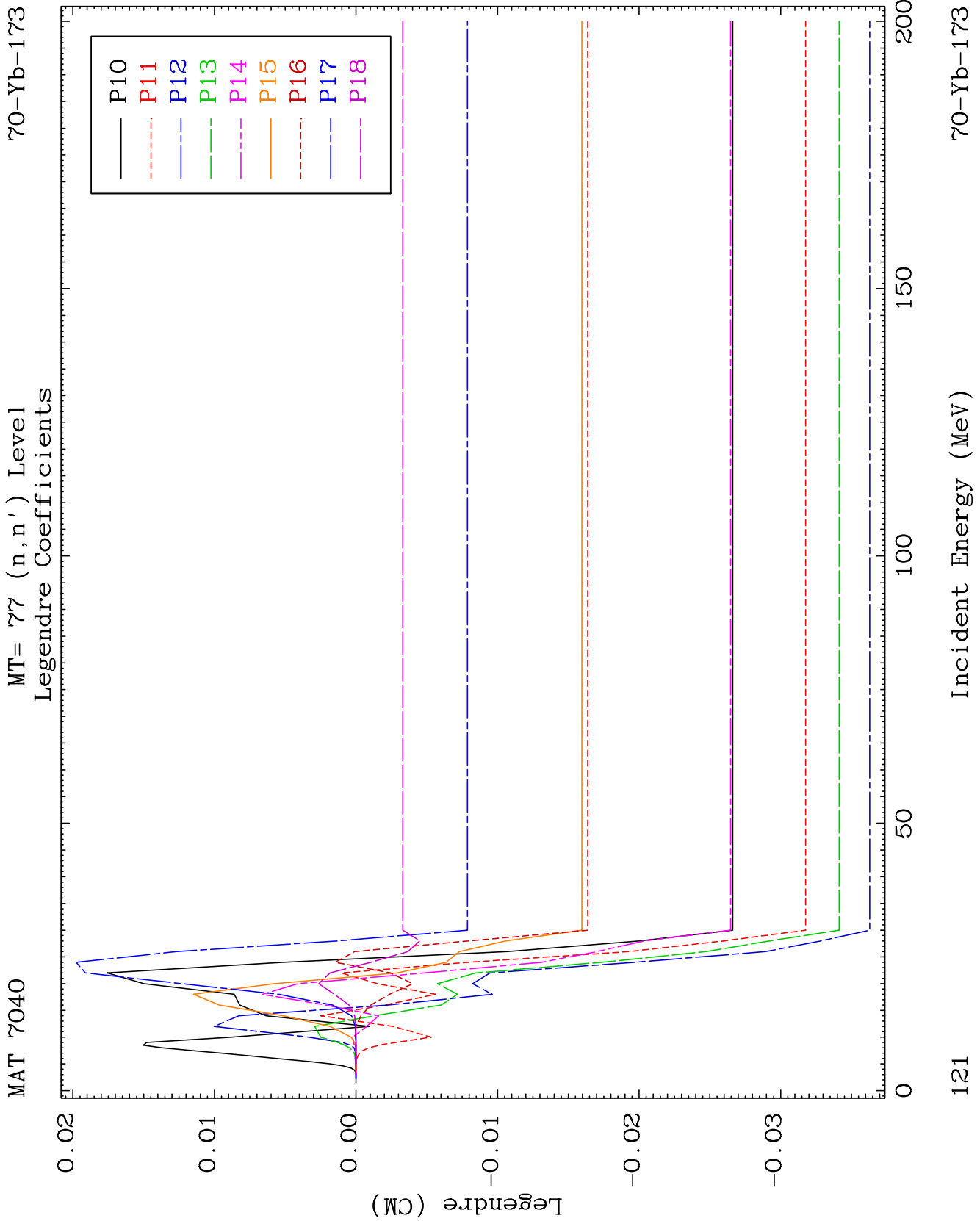


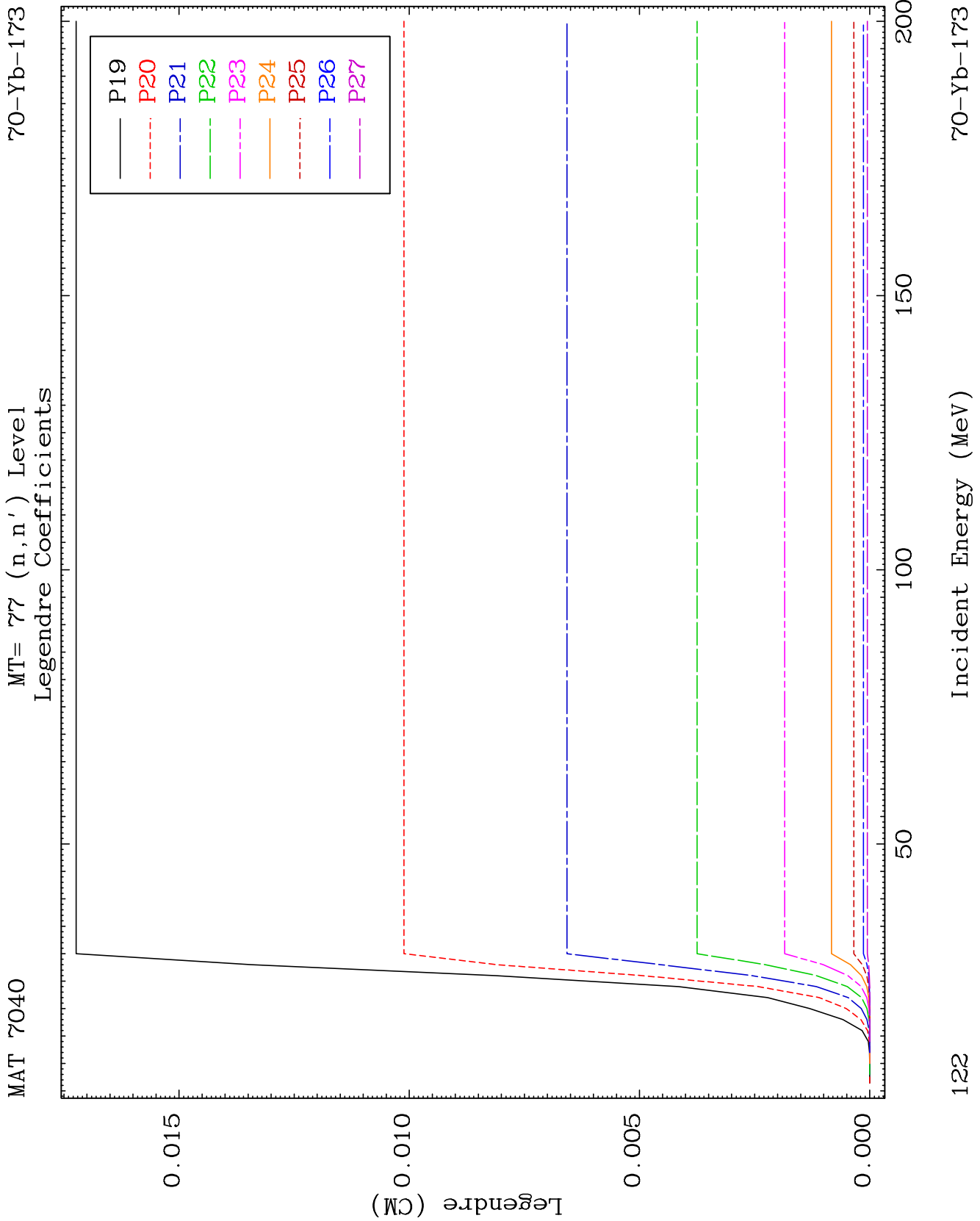
MAT 7040

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

70-Yb-173



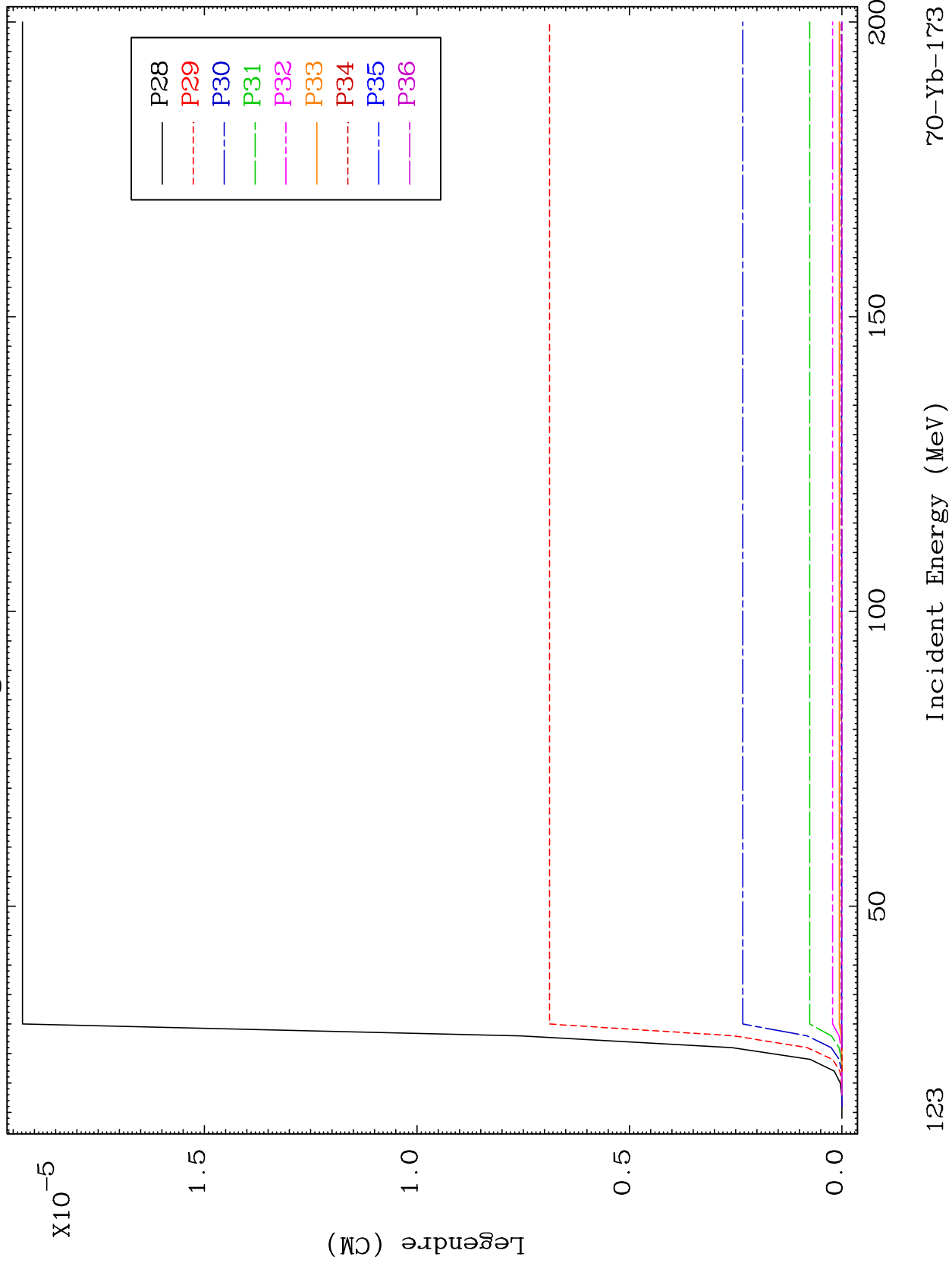




MAT 7040

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

70-Yb-173

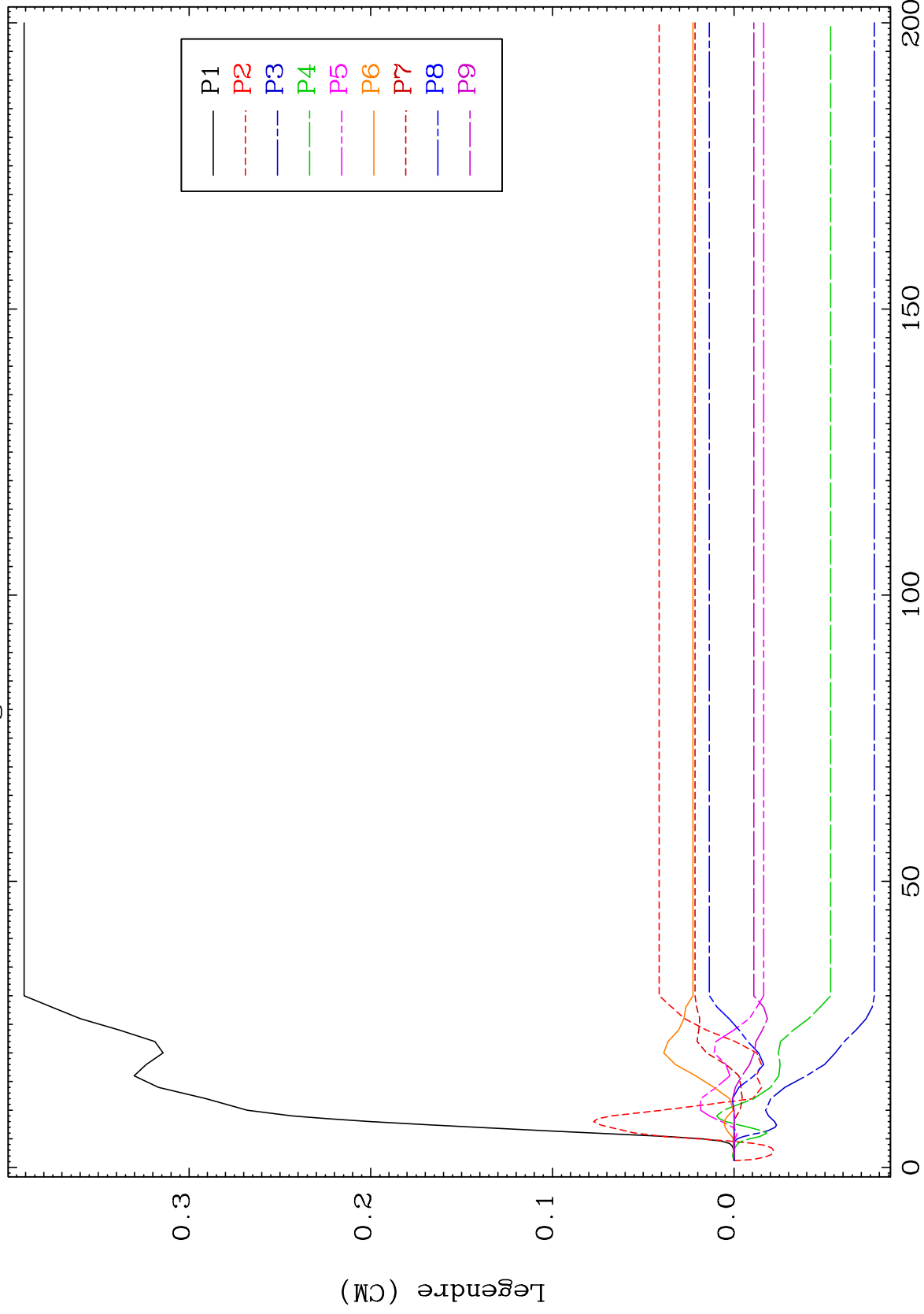


123

MAT 7040

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

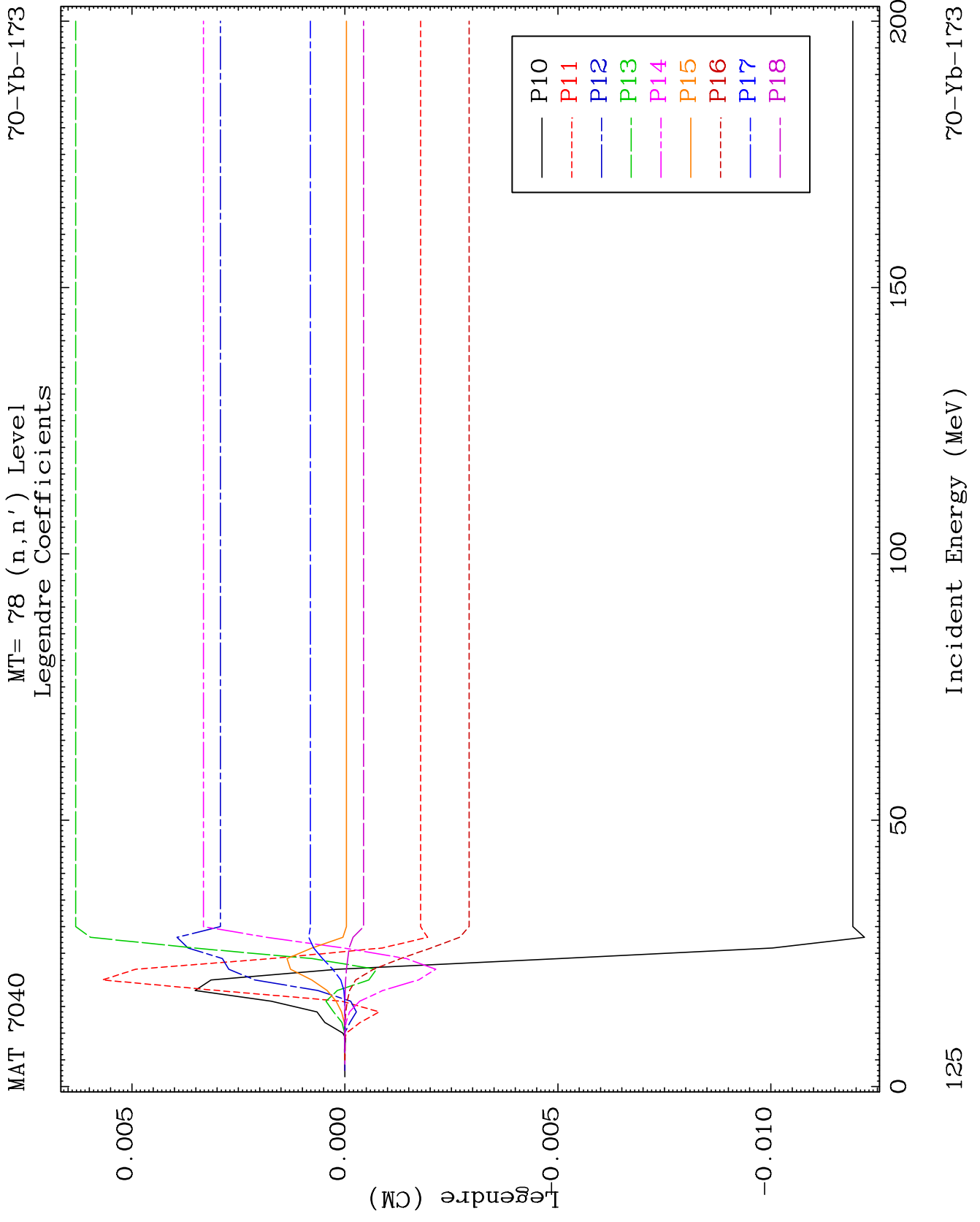
70-Yb-173



124

Incident Energy (MeV)

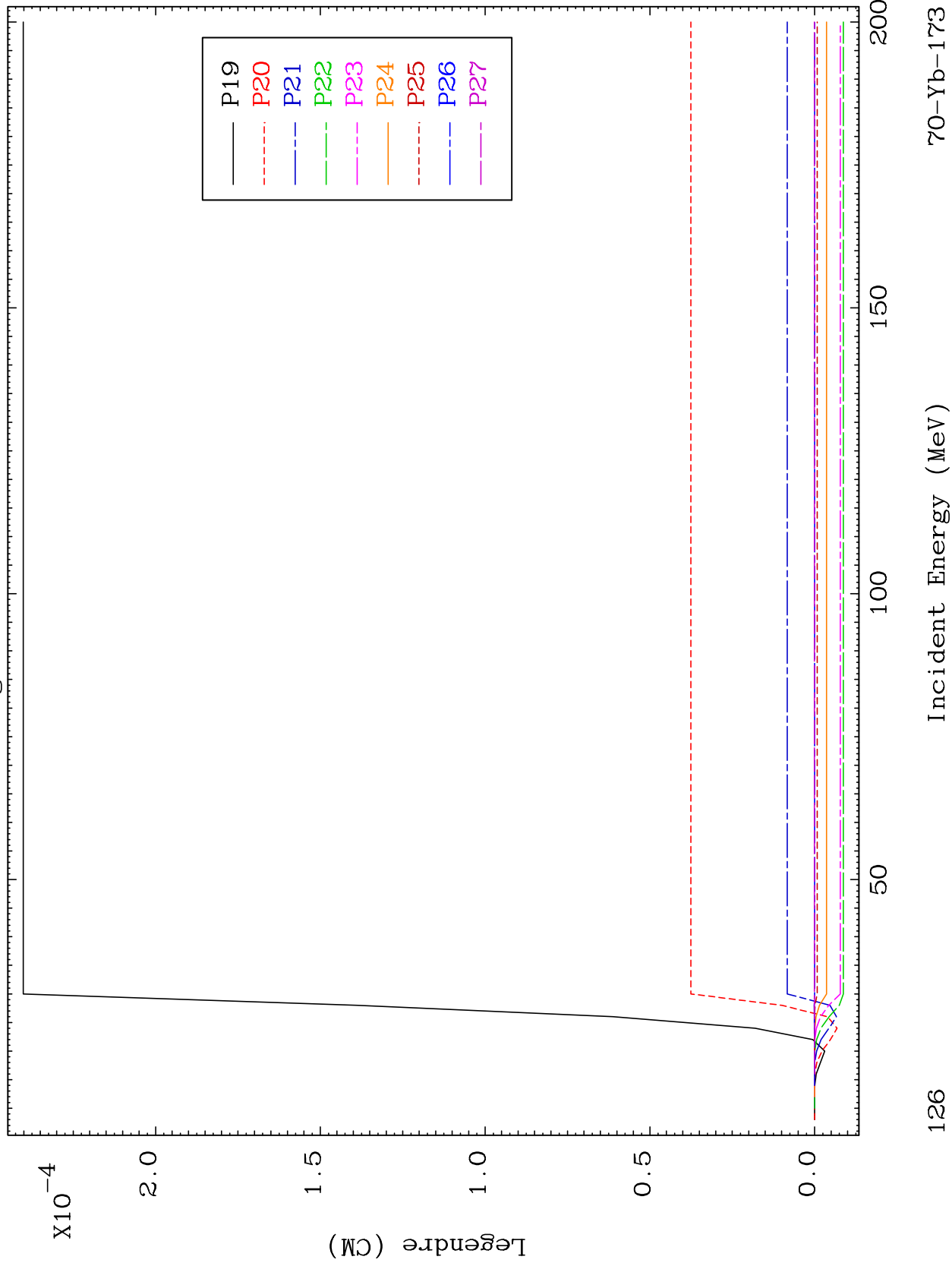
70-Yb-173



MAT 7040

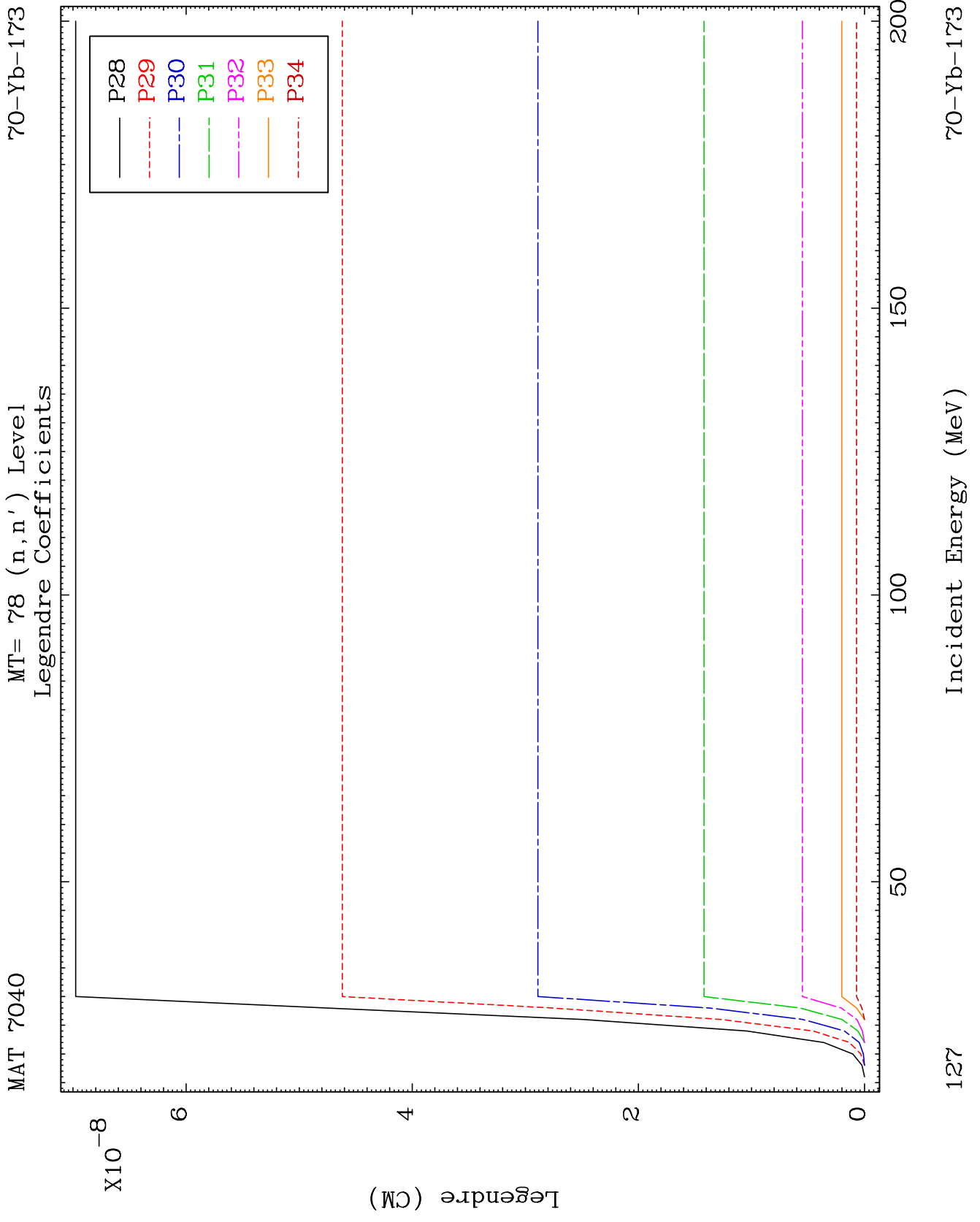
MT= 78 (n,n') Level
Legendre Coefficients

70-Yb-173



126

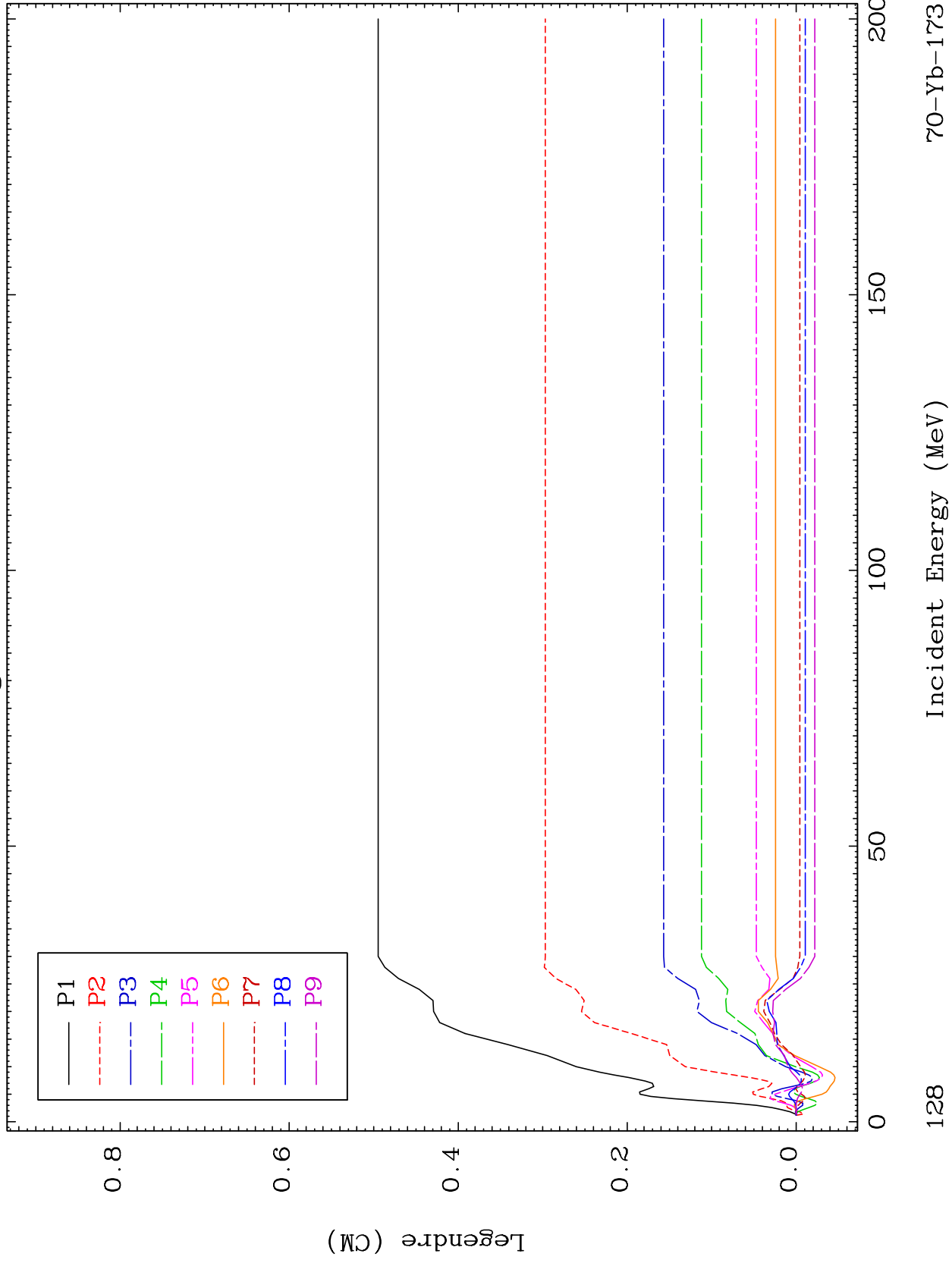
70-Yb-173



MAT 7040

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

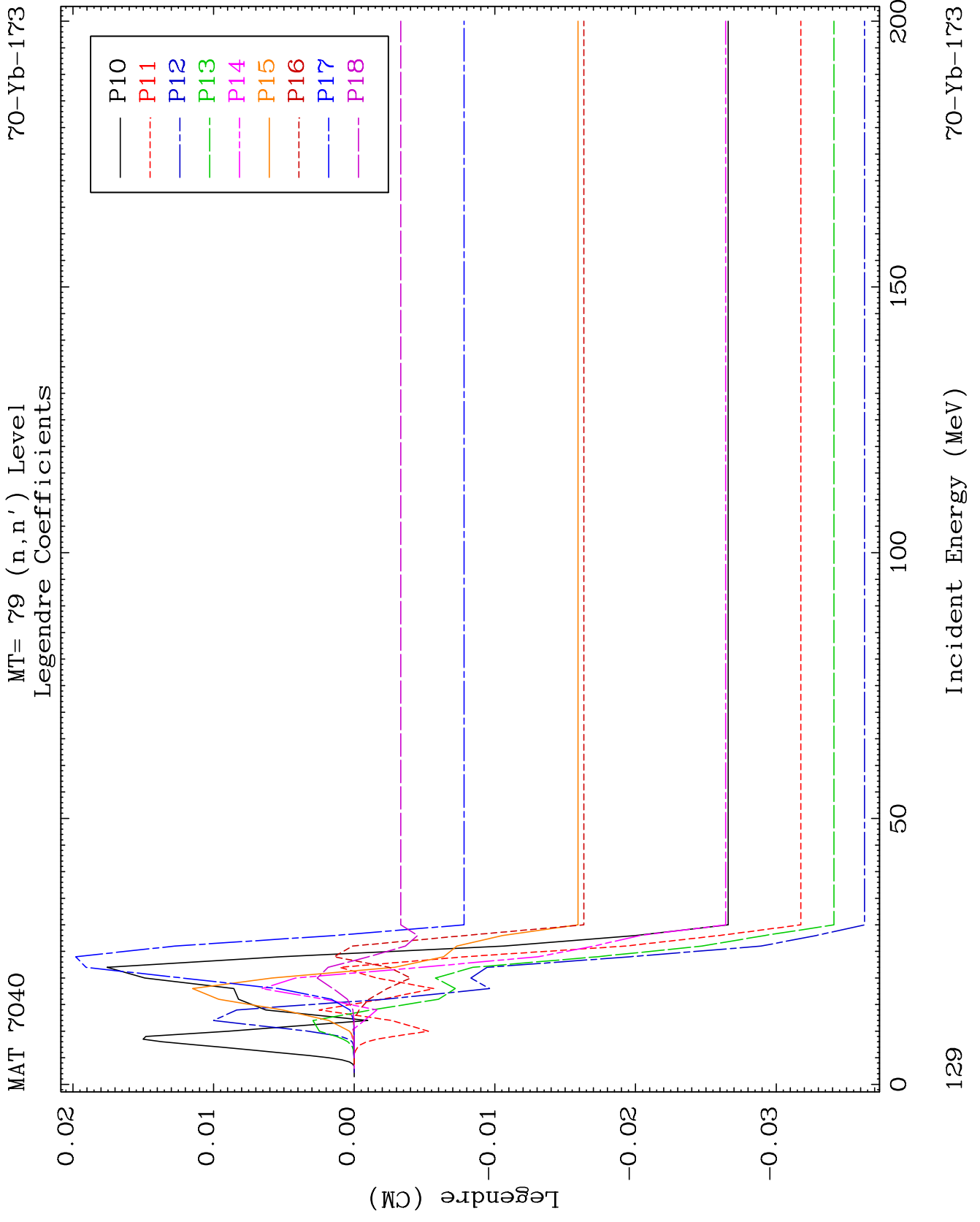
70-Yb-173

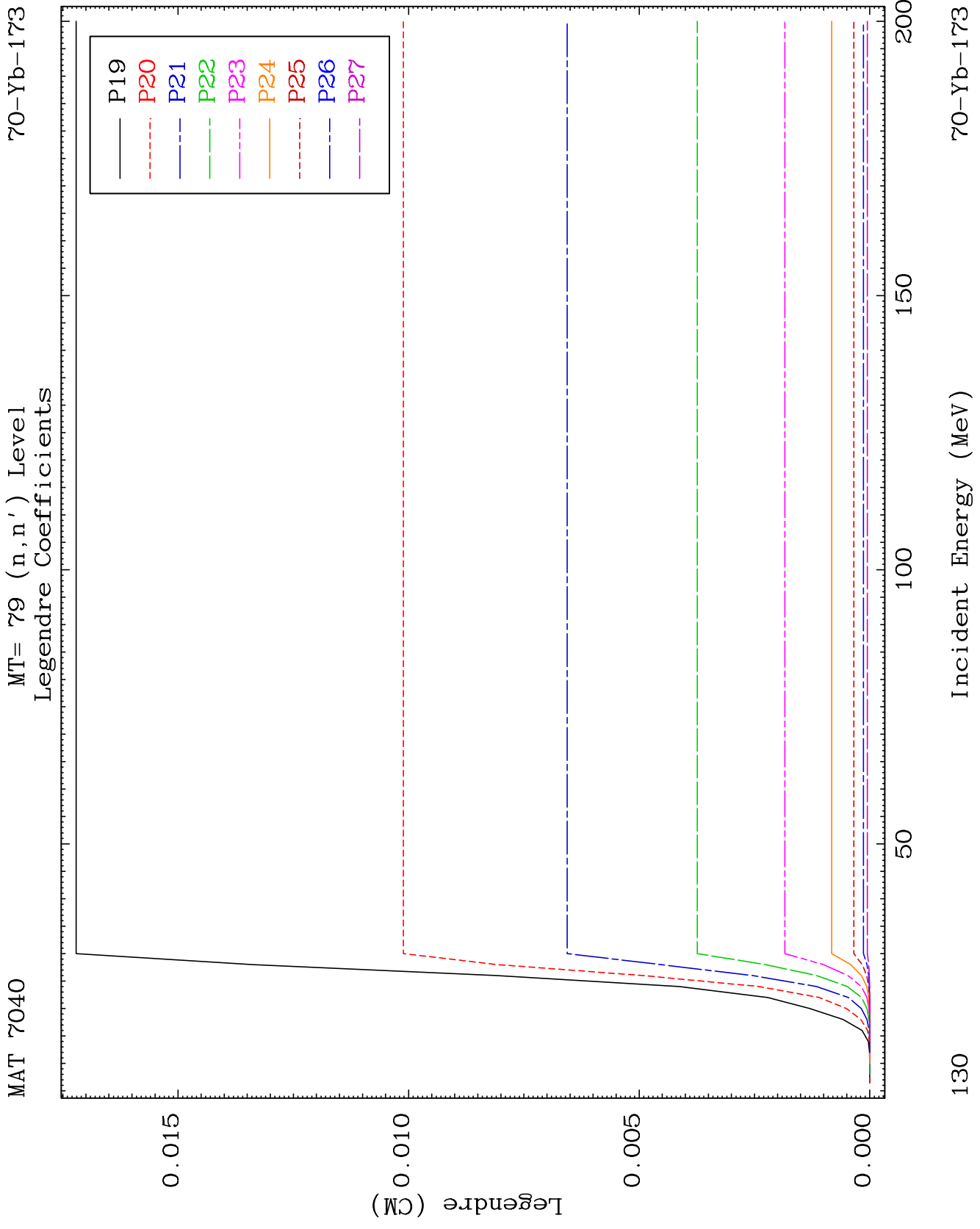


128

Incident Energy (MeV)

70-Yb-173

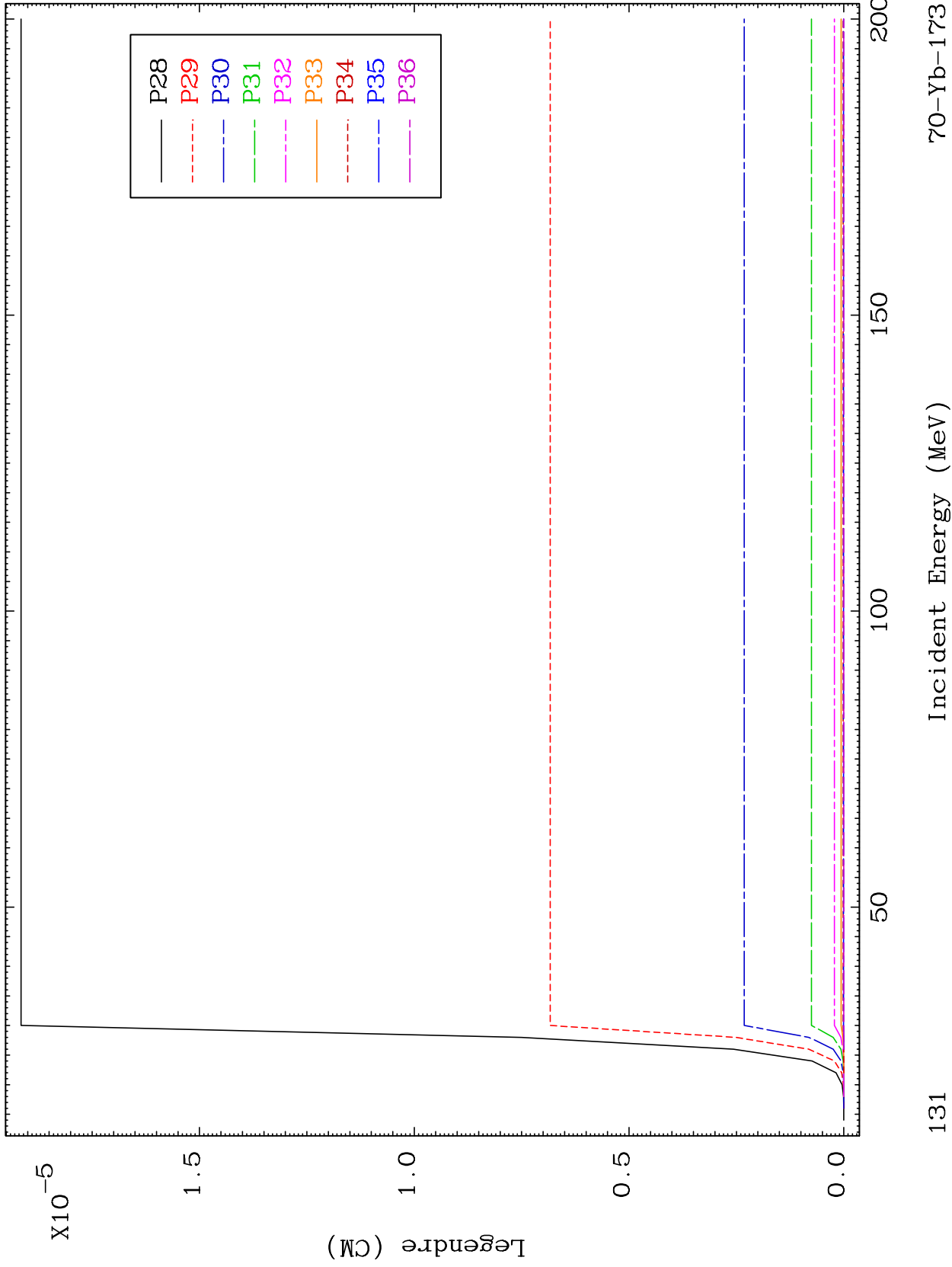


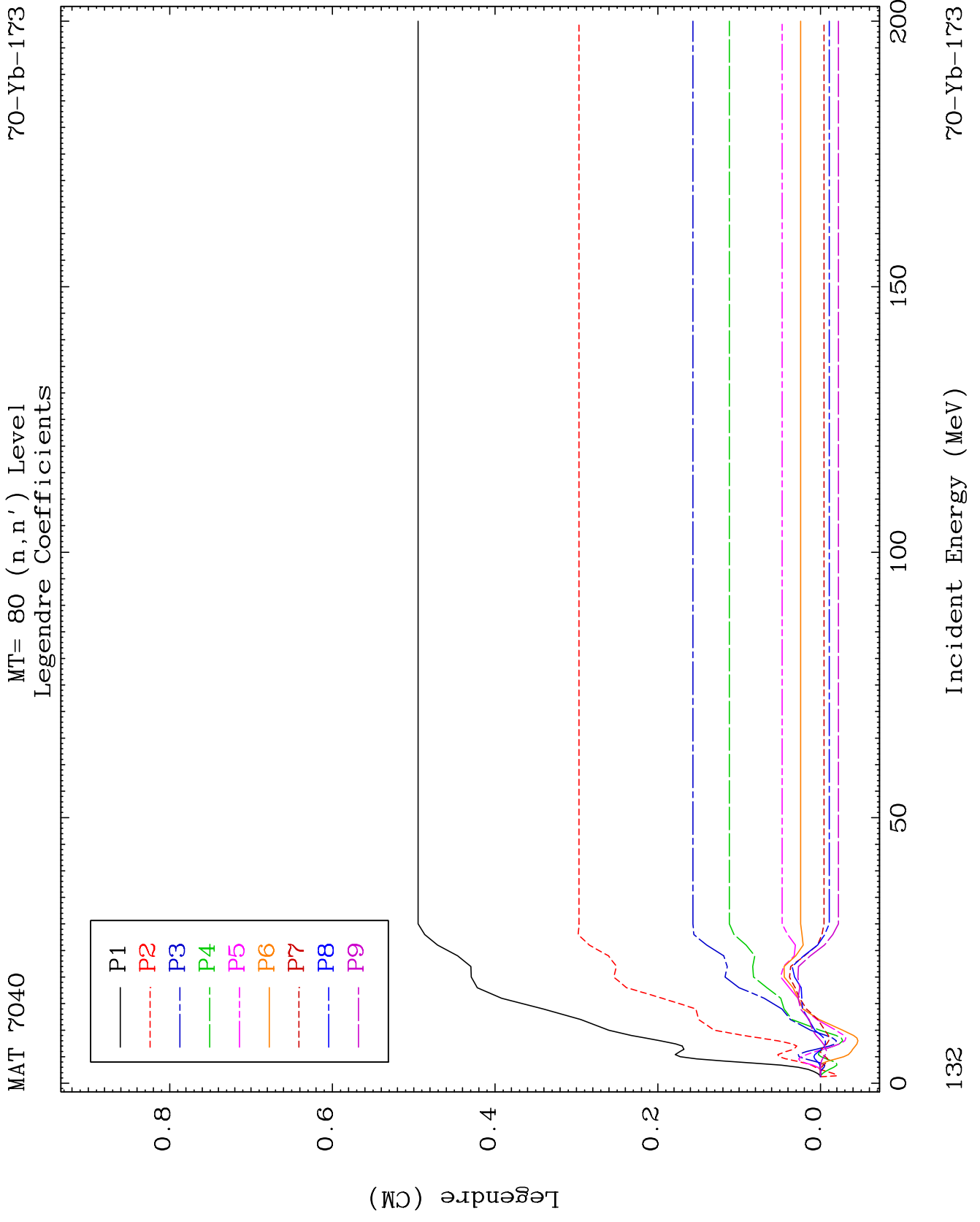


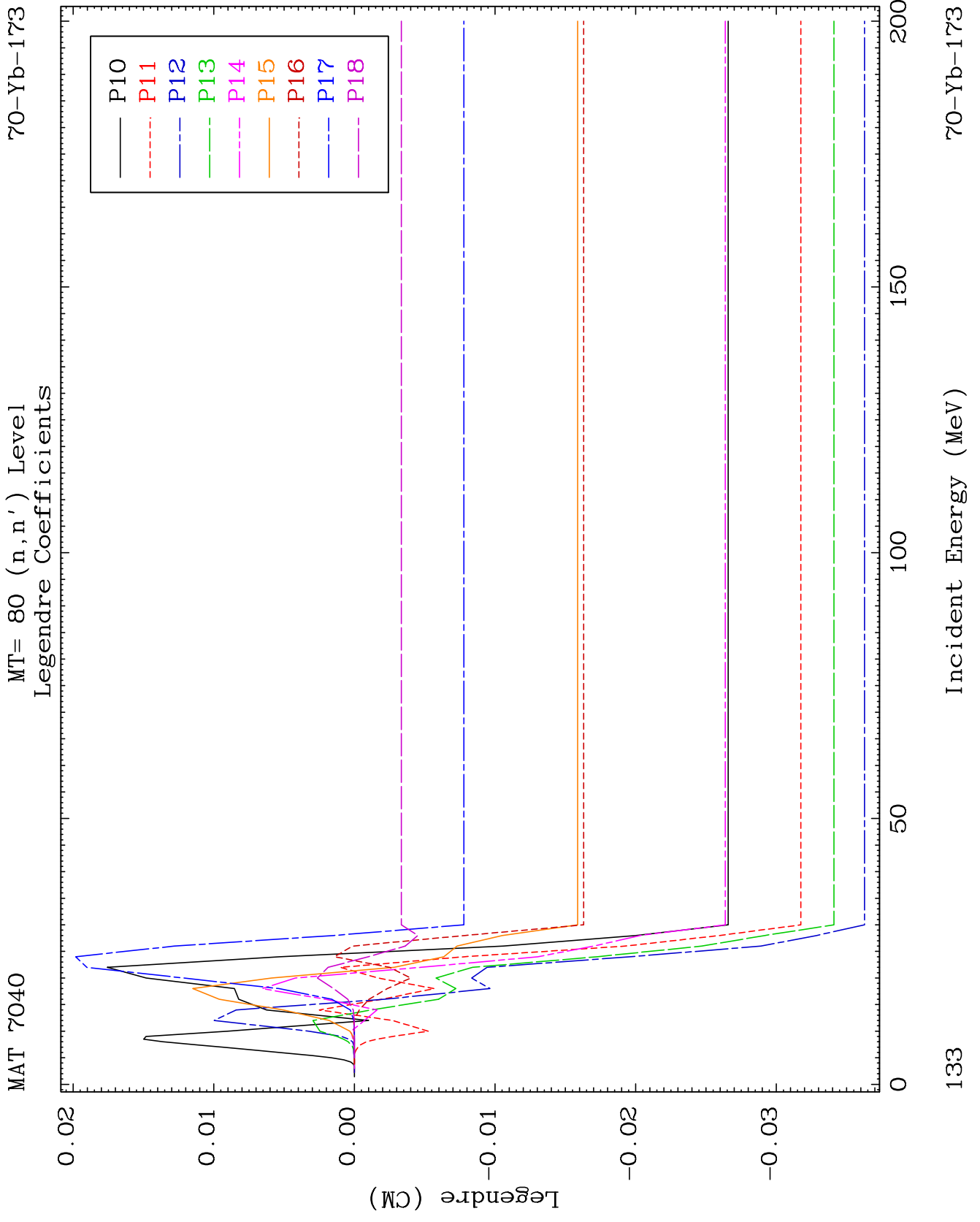
MAT 7040

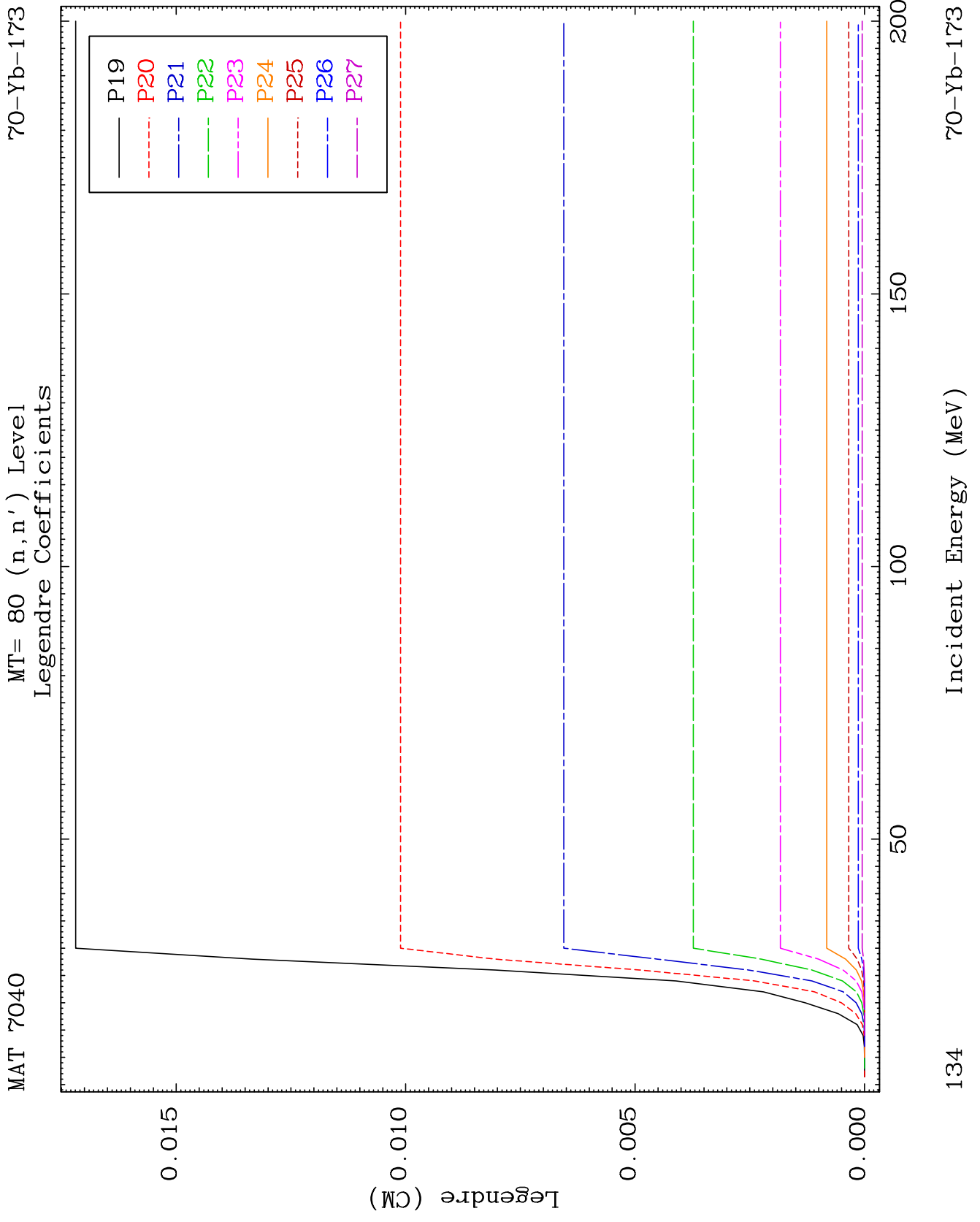
MT= 79 (n,n') Level
Legendre Coefficients

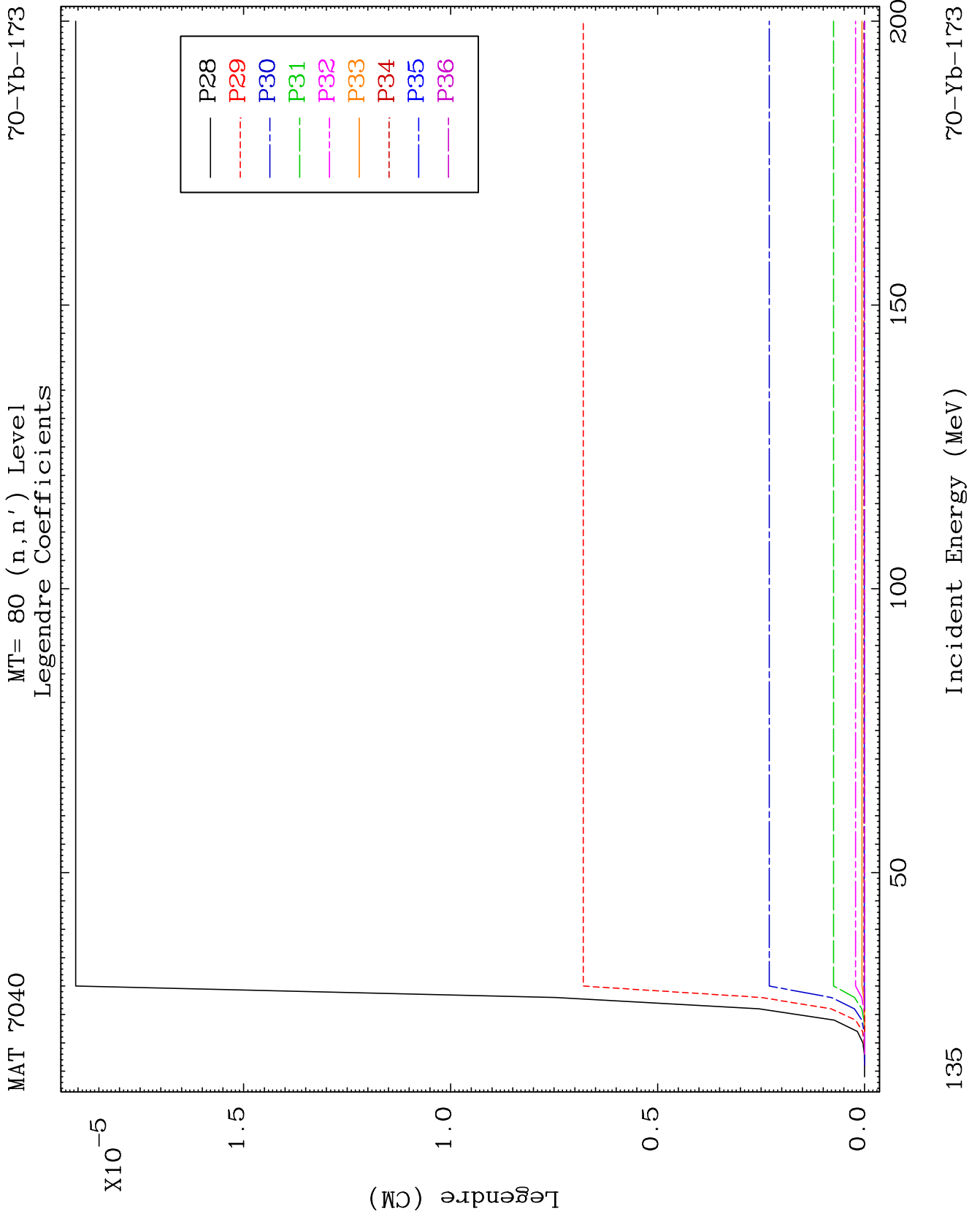
70-Yb-173



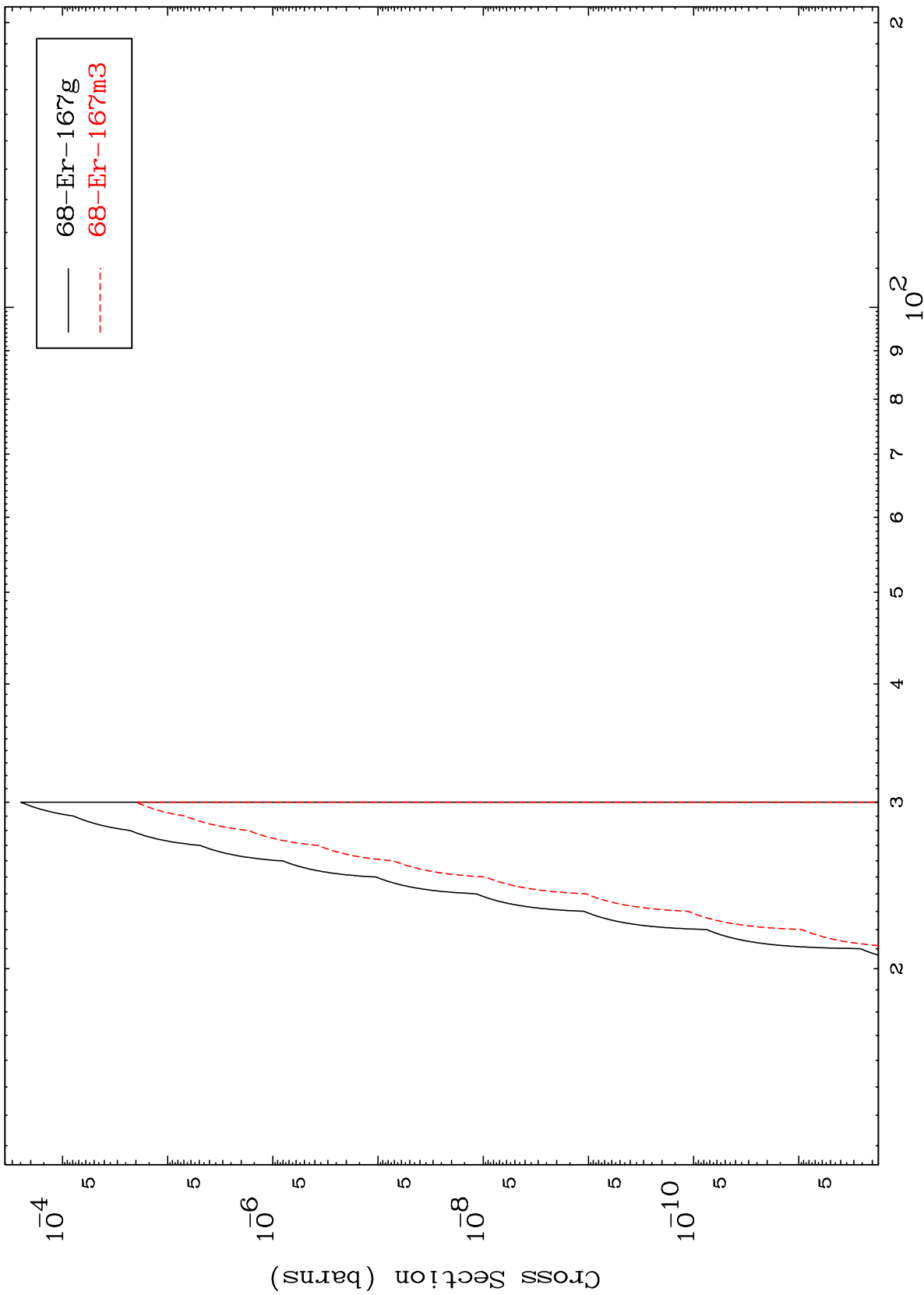








Radionuclide Production Cross Section



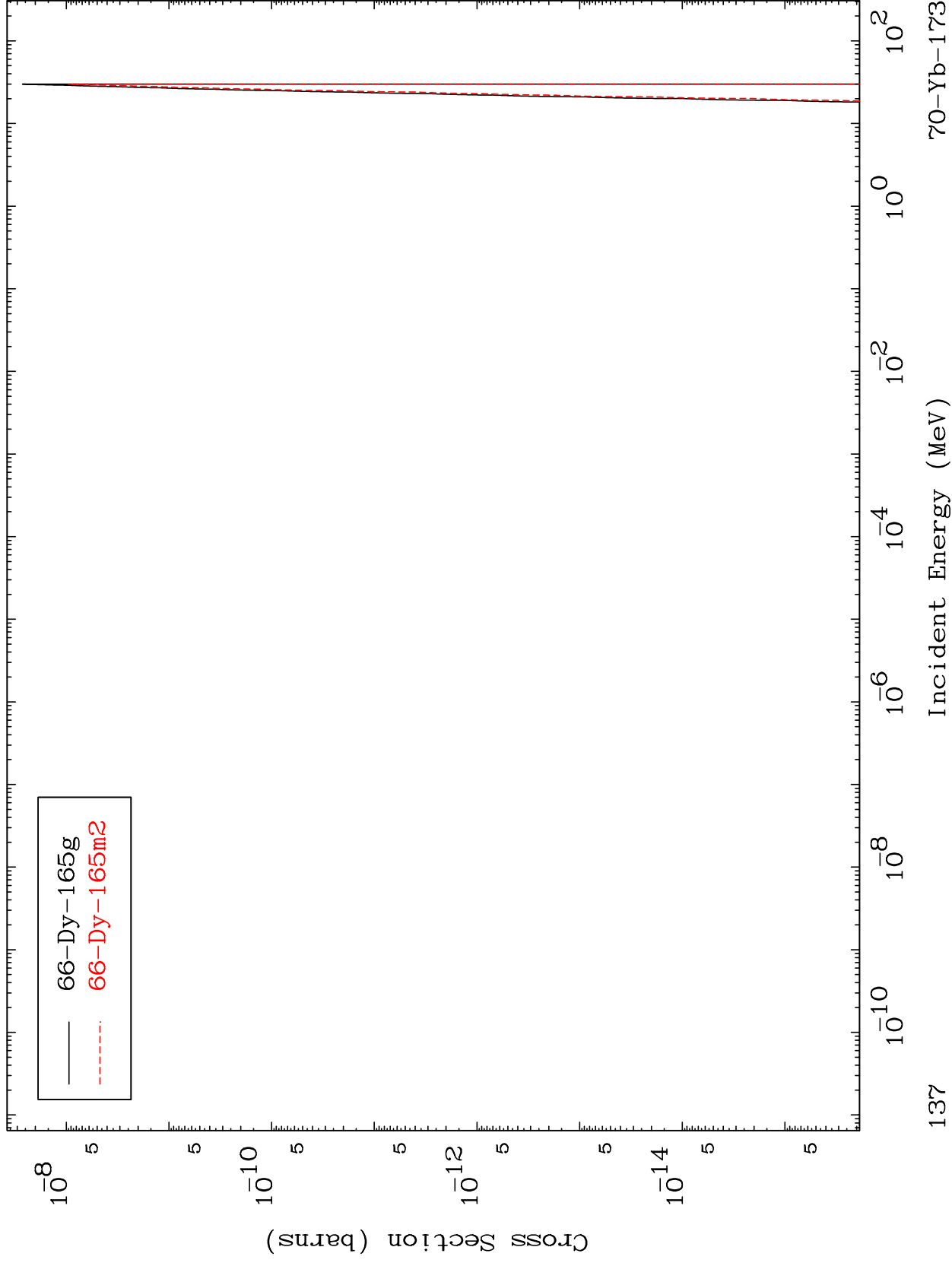
68-Er-167g
68-Er-167m3

MAT 7040

(n,n') 2 α

70-Yb-173

Radionuclide Production Cross Section



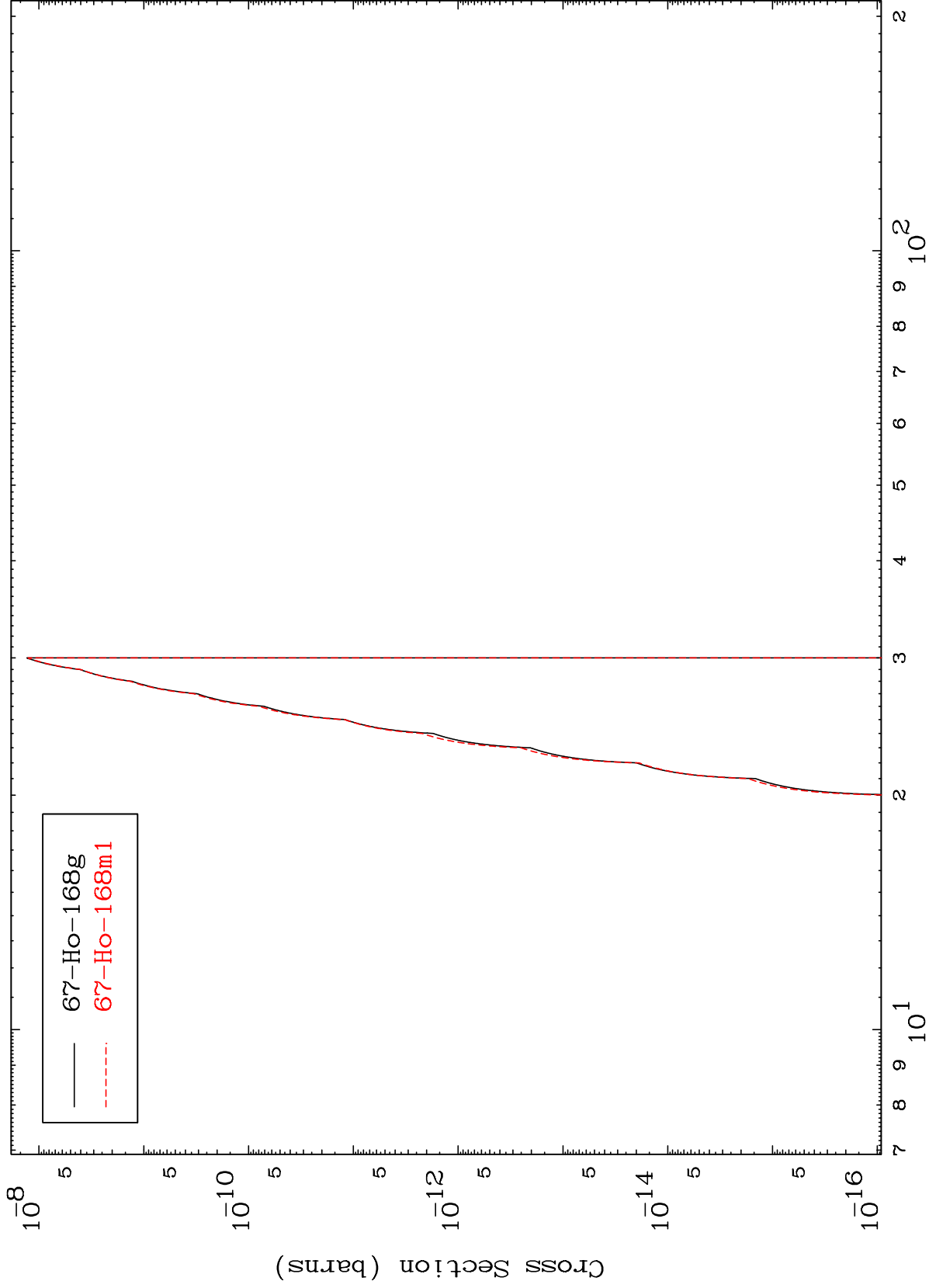
137

MAT 7040

(n,n') p α

70-Yb-173

Radionuclide Production Cross Section



138

Incident Energy (MeV)

70-Yb-173