

Program EVALPLOT
(Version 2021-1)

by

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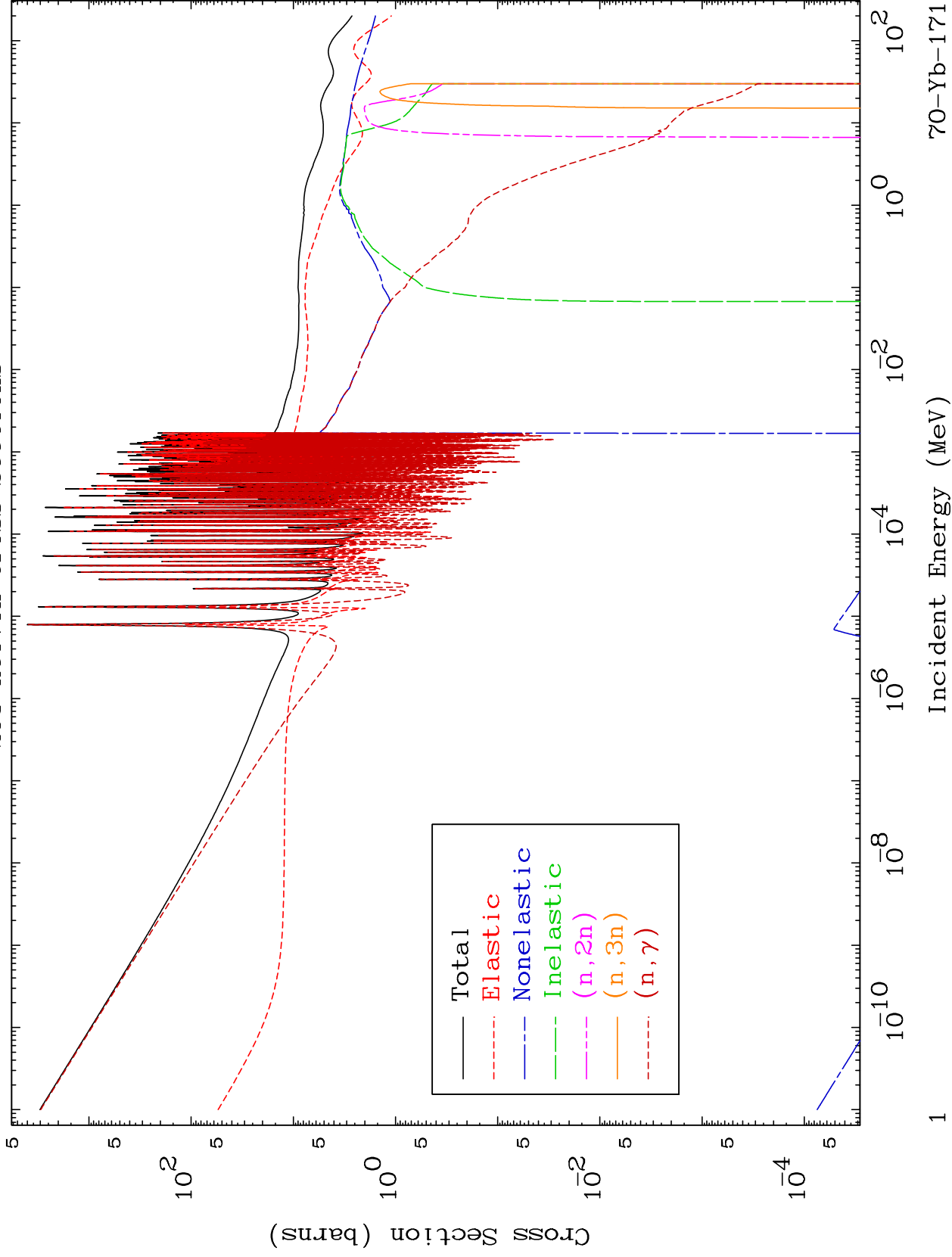
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Press Mouse Button to Start

MAT 7034

Neutron Major
293 Kelvin Cross Sections

70-Yb-171

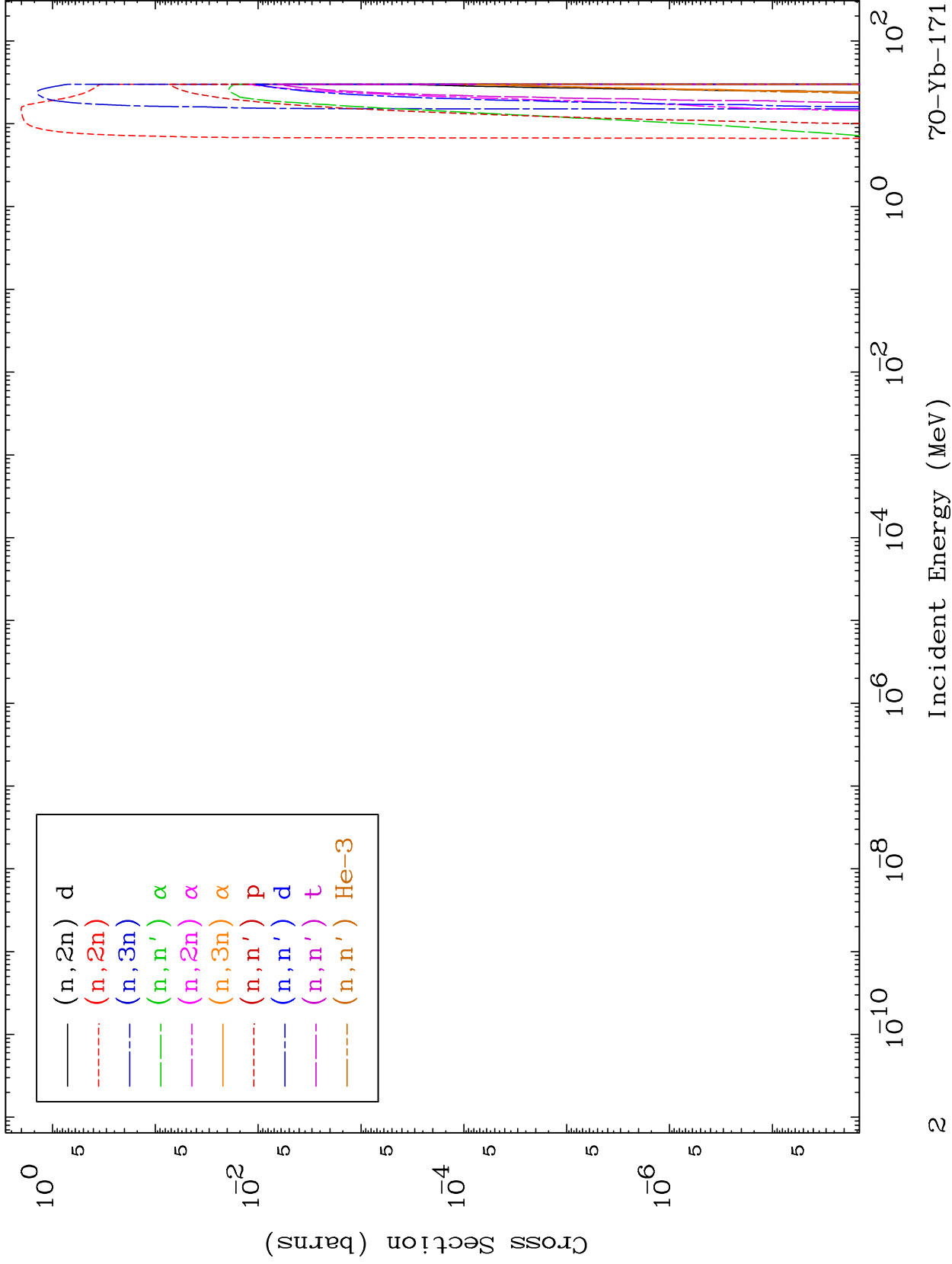


1

MAT 7034

Neutron Absorption
293 Kelvin Cross Sections

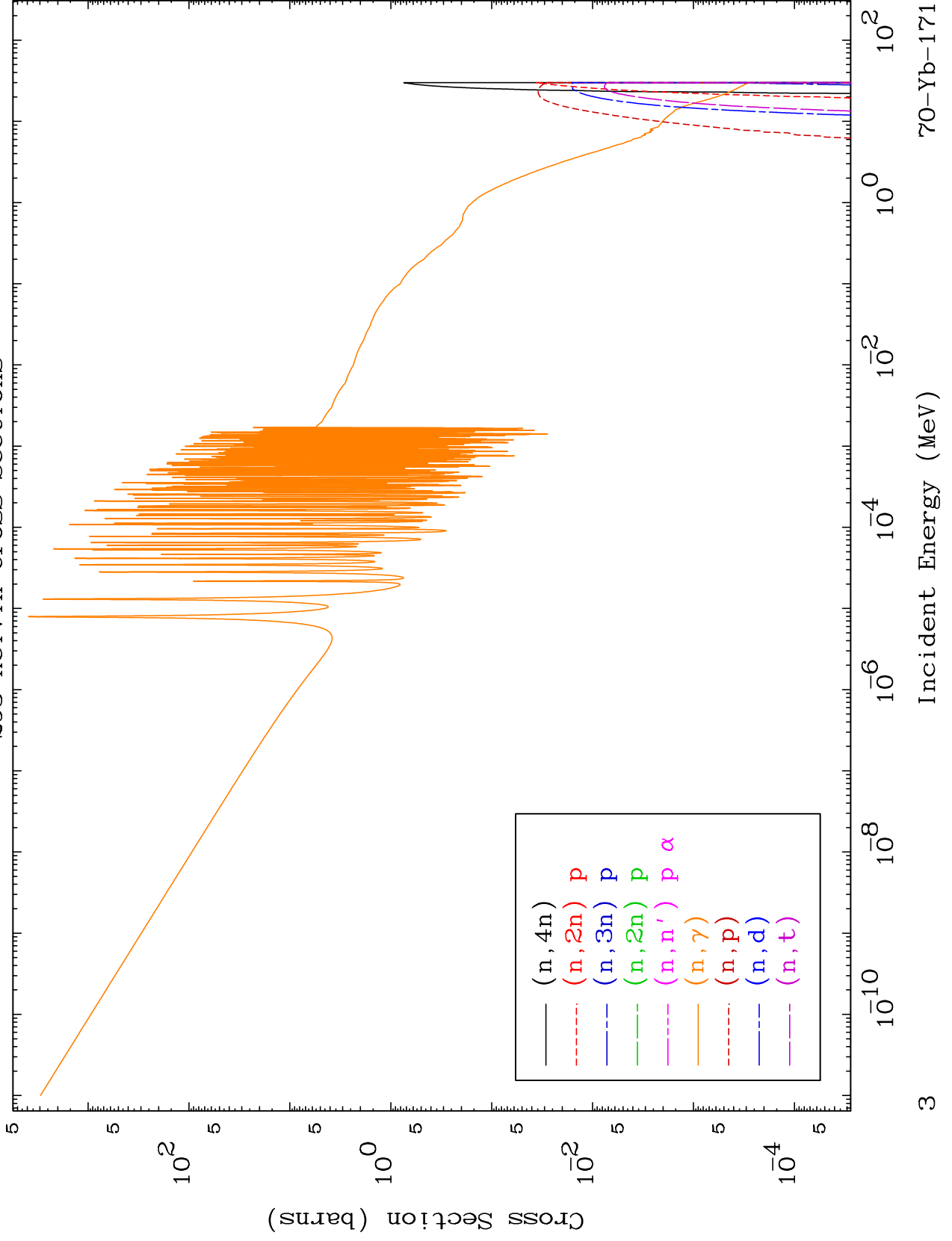
70-Yb-171



MAT 7034

Neutron Absorption
293 Kelvin Cross Sections

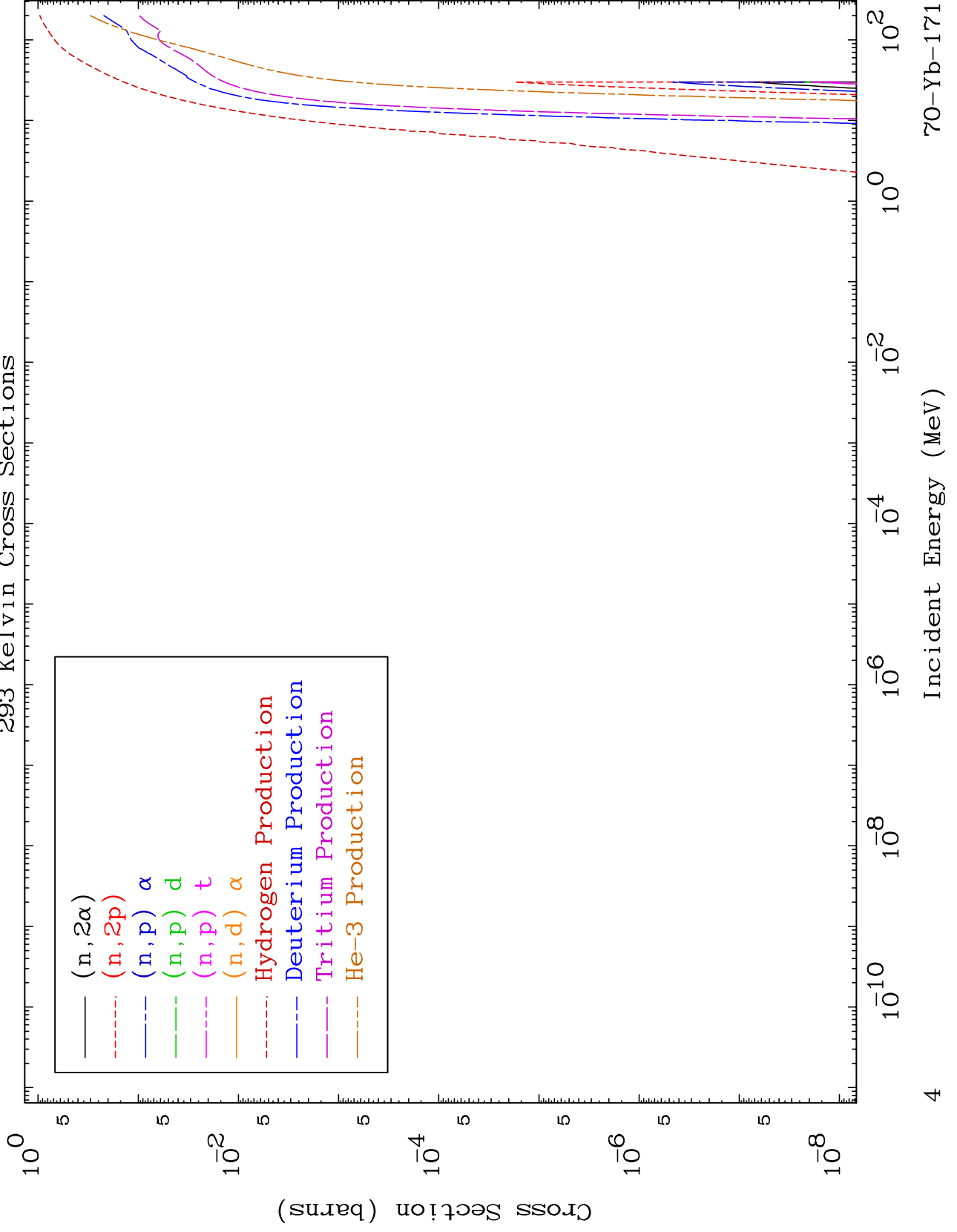
70-Yb-171



MAT 7034

Neutron Absorption
293 Kelvin Cross Sections

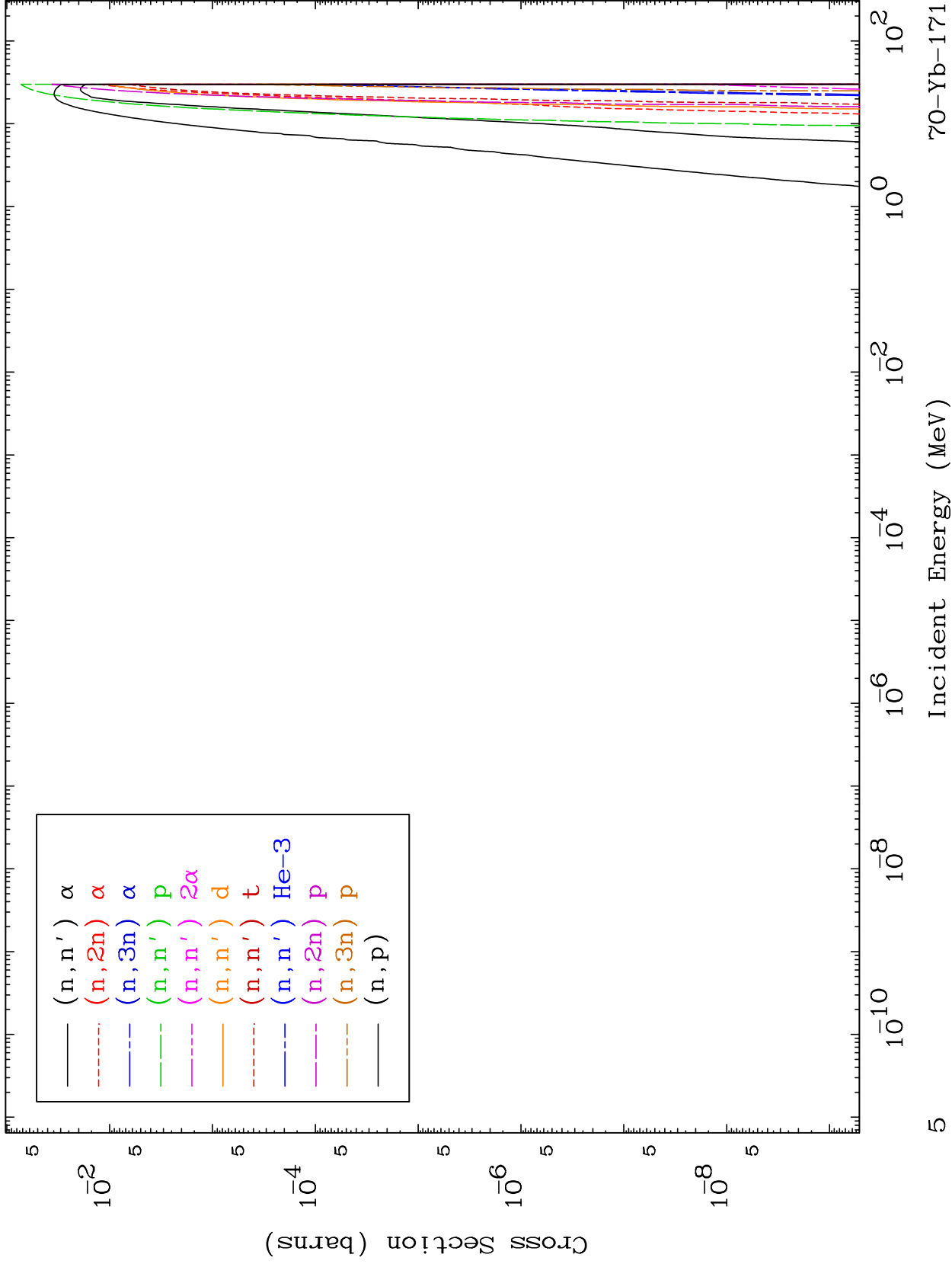
70-Yb-171



MAT 7034

Charged Particle
293 Kelvin Cross Sections

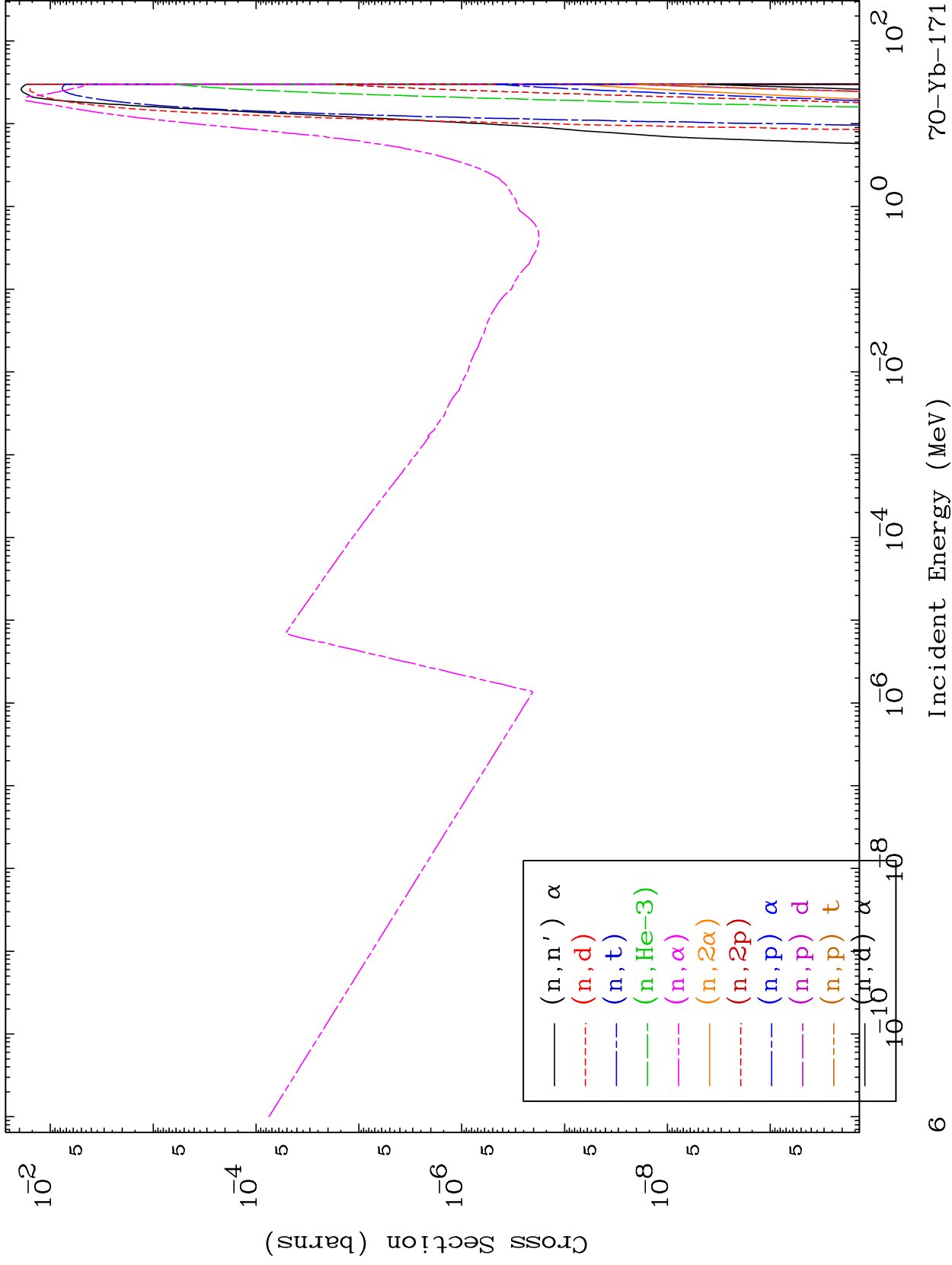
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MAT 7034

Charged Particle
293 Kelvin Cross Sections

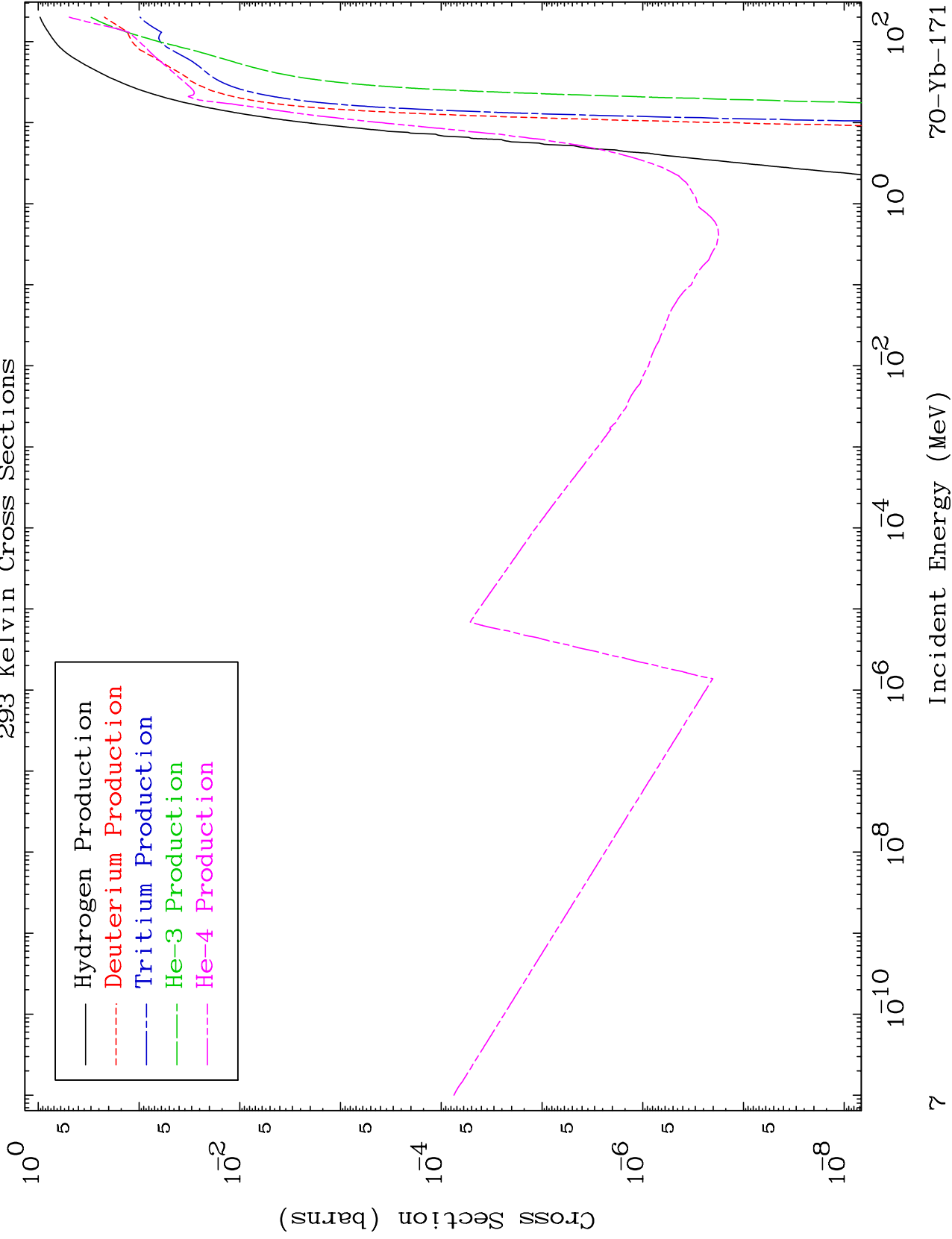
70-Yb-171



MAT 7034

Particle Production
293 Kelvin Cross Sections

70-Yb-171

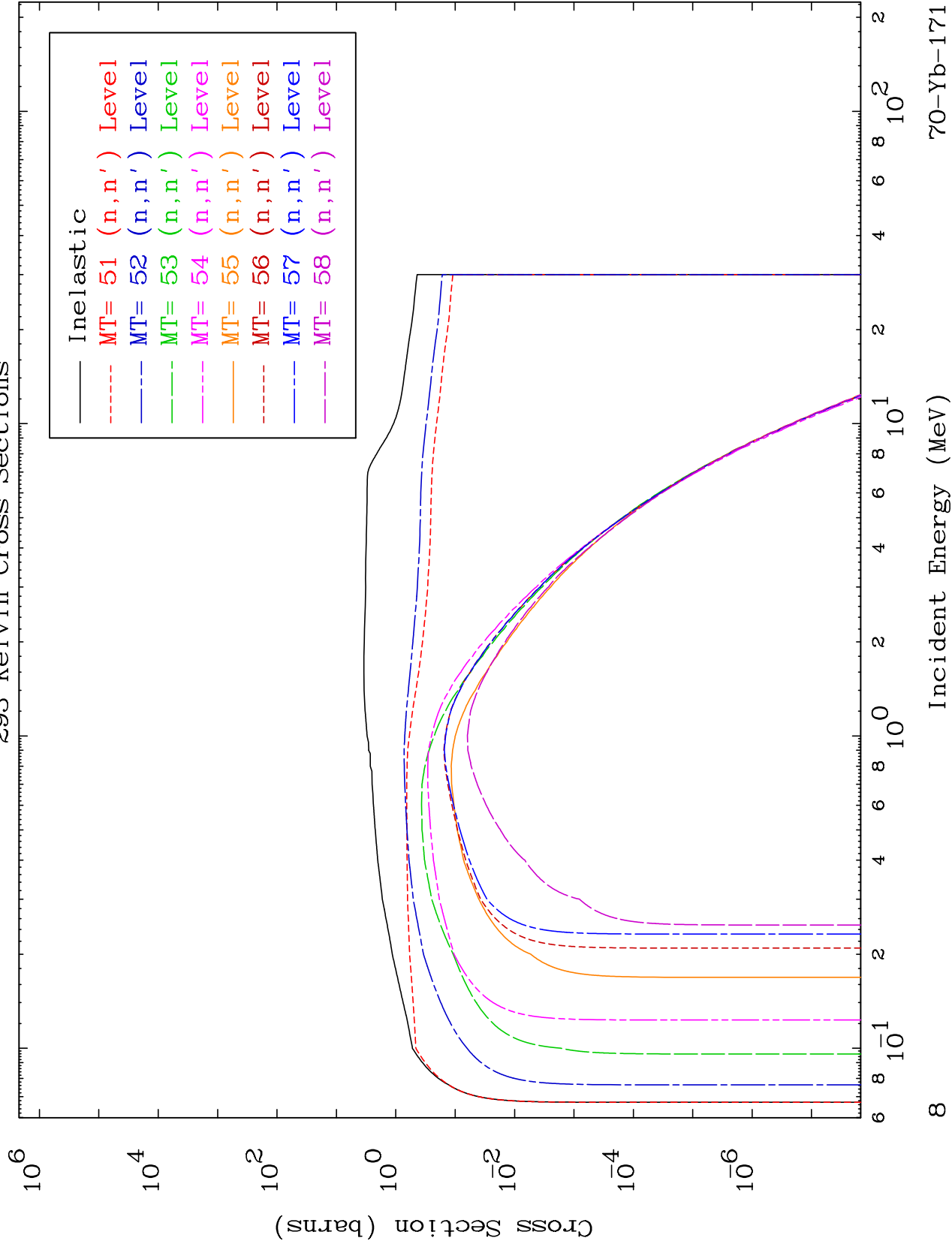


MAT 7034

(n,n') Levels

70-Yb-171

293 Kelvin Cross Sections



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Incident Energy (MeV)

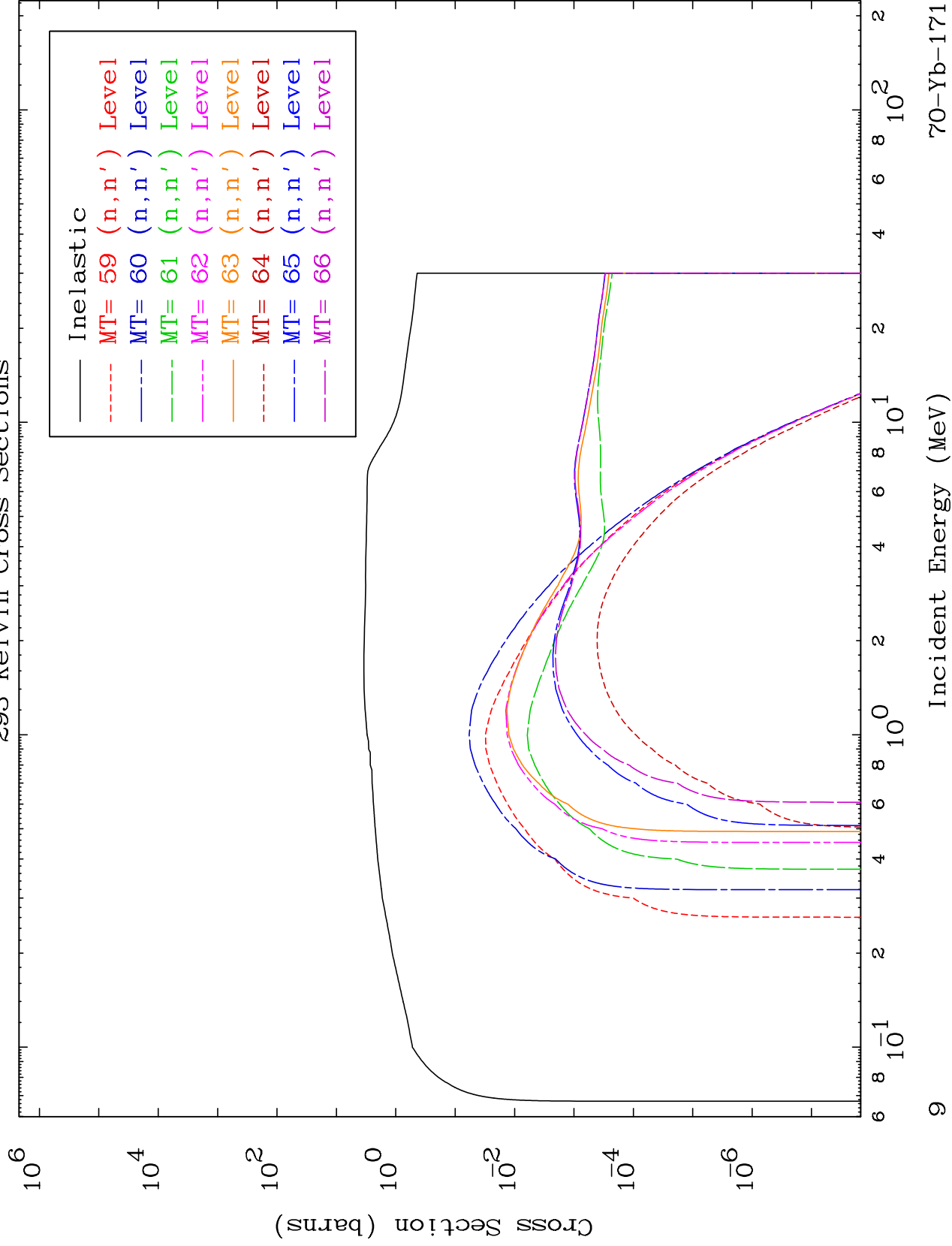
70-Yb-171

MAT 7034

(n,n') Levels

293 Kelvin Cross Sections

70-Yb-171



9

Incident Energy (MeV)

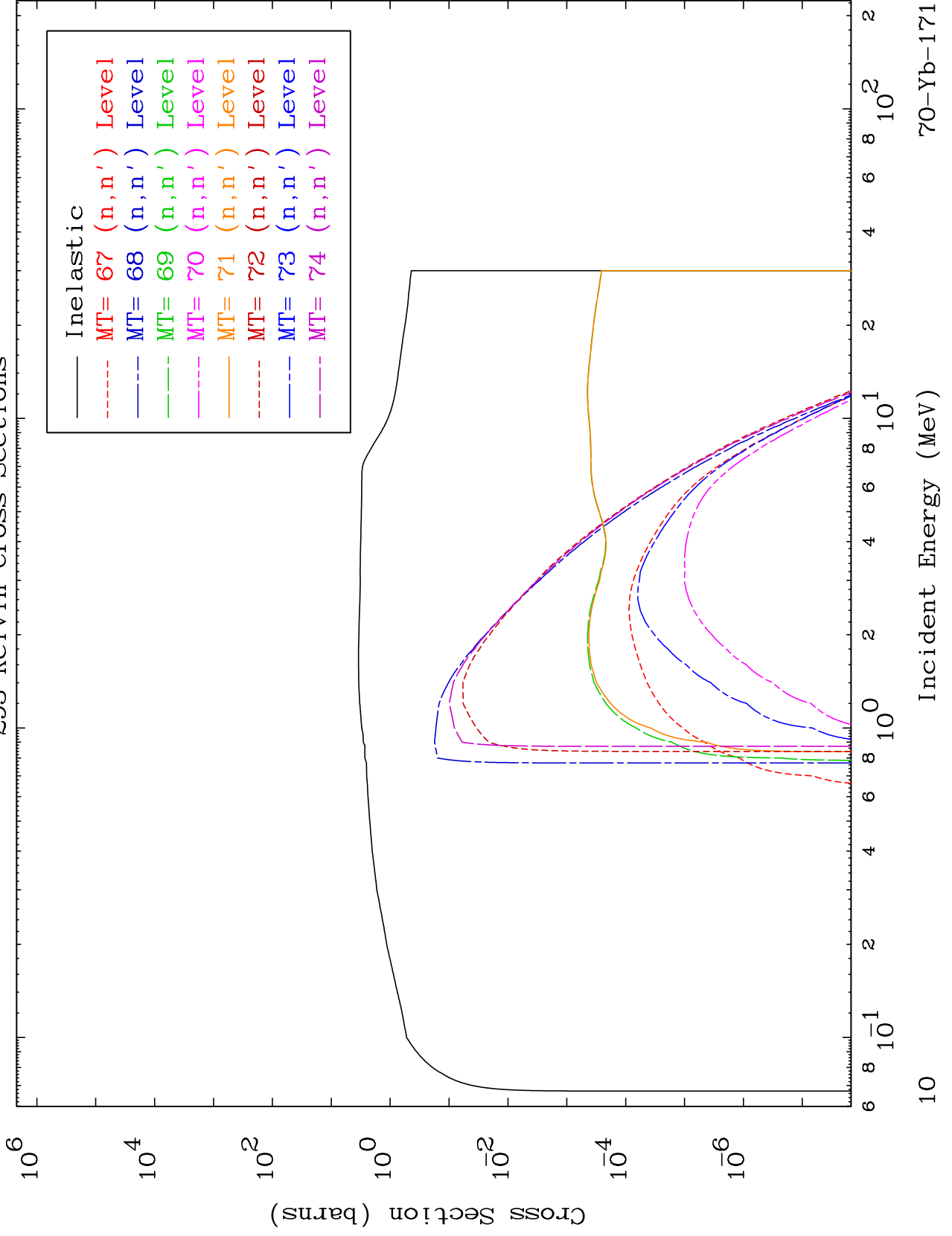
70-Yb-171

MAT 7034

(n,n') Levels

293 Kelvin Cross Sections

70-Yb-171



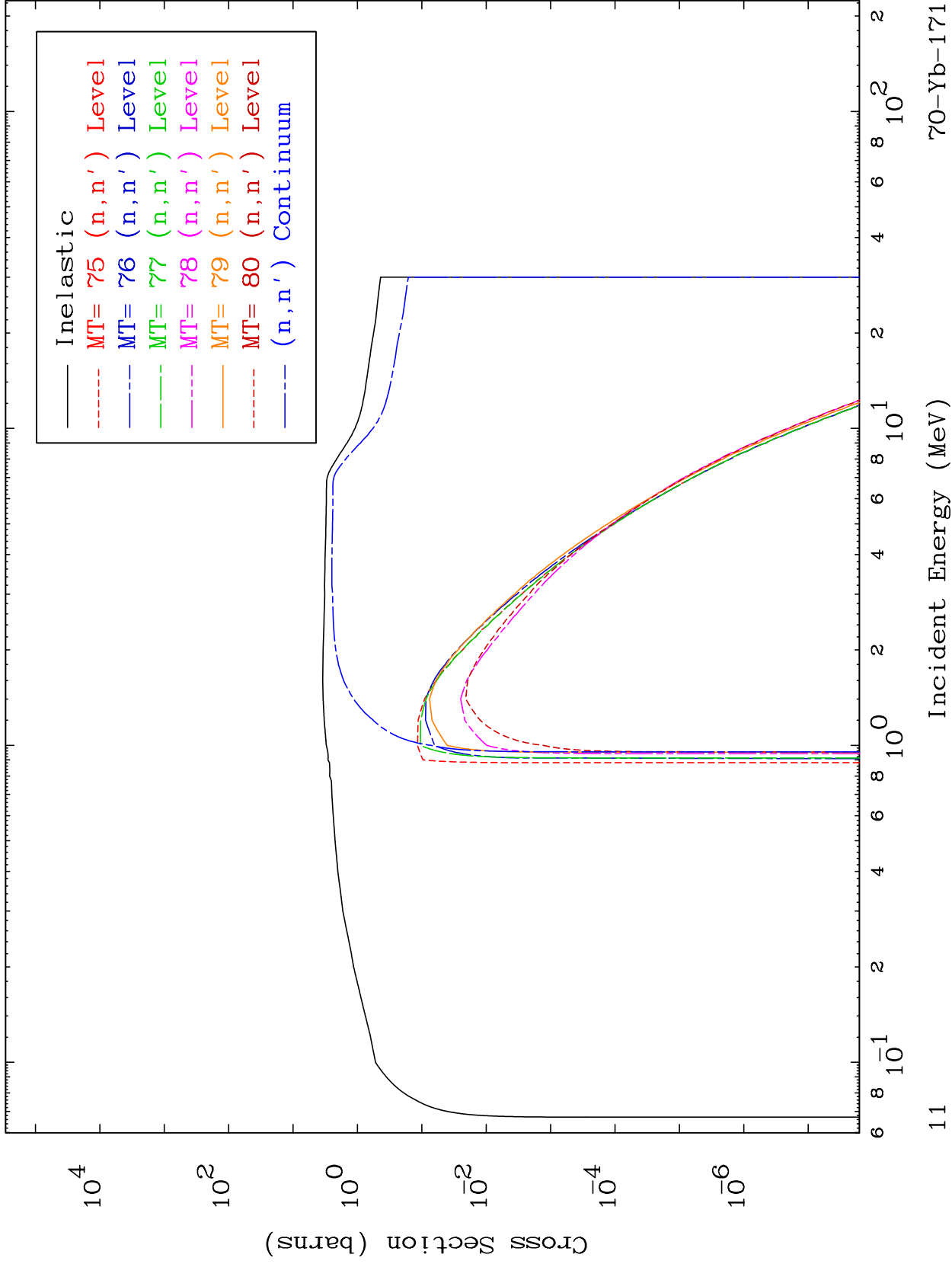
70-Yb-171

MAT 7034

(n,n') Levels

70-Yb-171

293 Kelvin Cross Sections



11

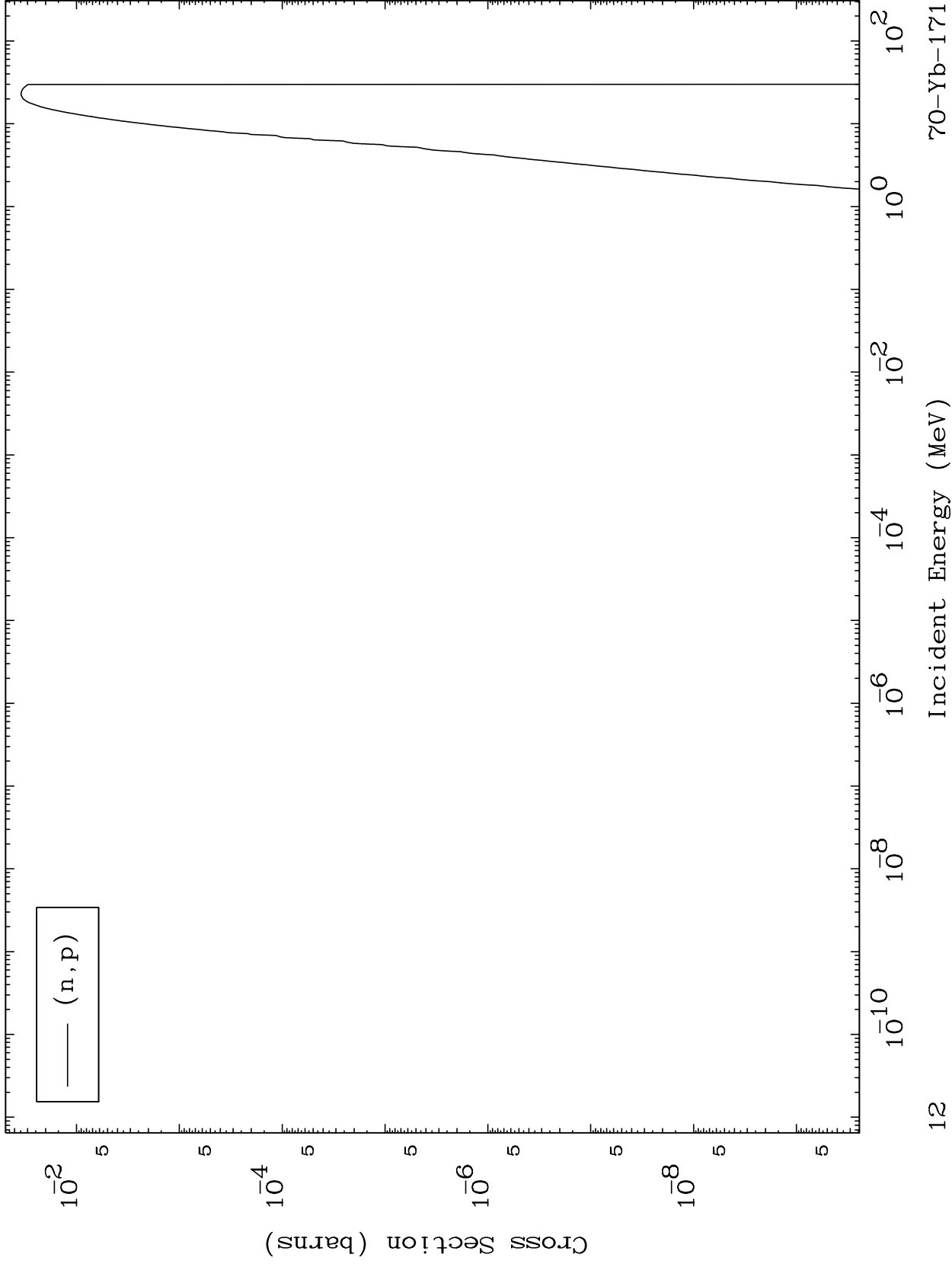
Incident Energy (MeV)

70-Yb-171

MAT 7034

(n,p) Levels
293 Kelvin Cross Sections

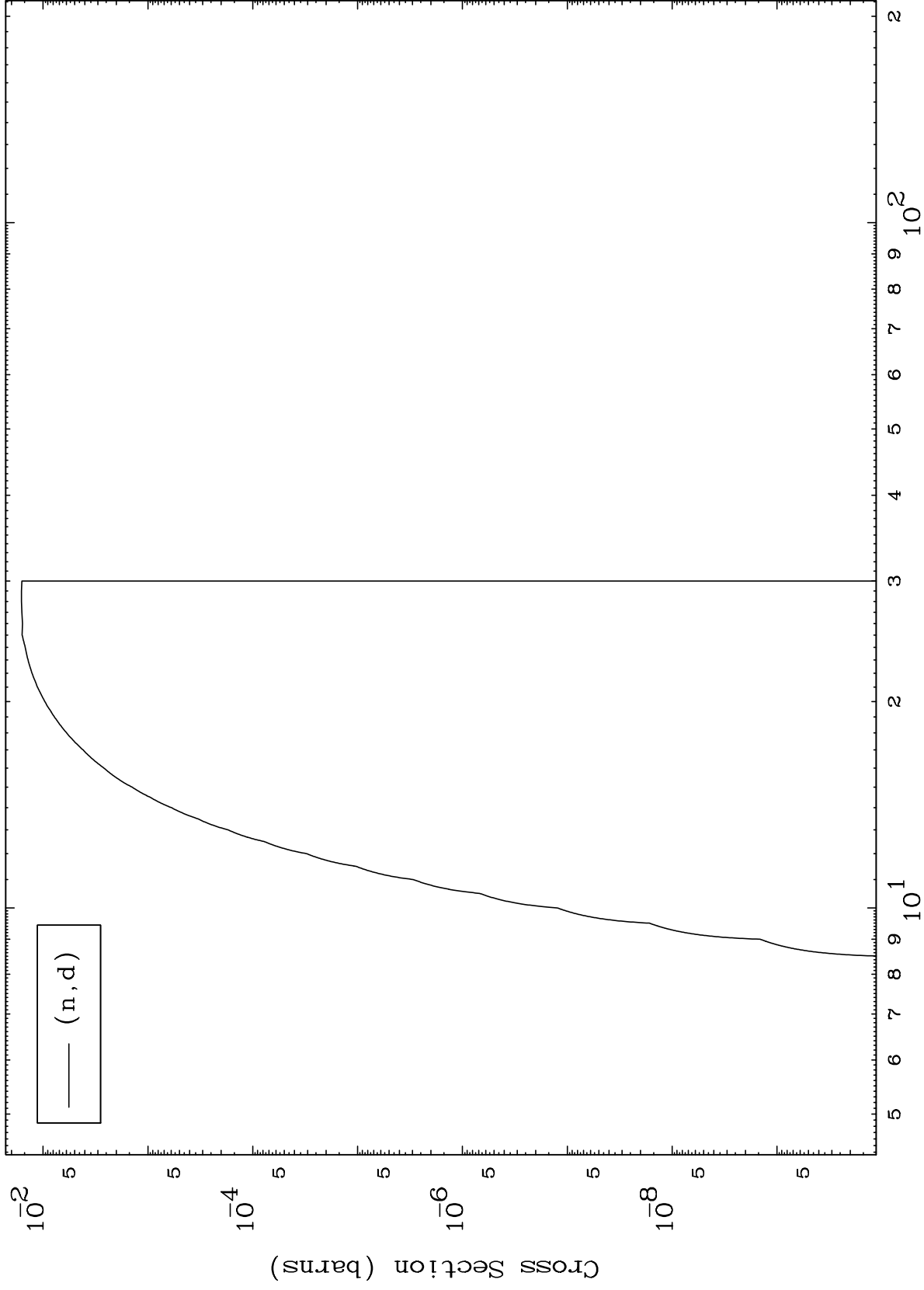
70-Yb-171



MAT 7034

(n,d) Levels
293 Kelvin Cross Sections

70-Yb-171



13

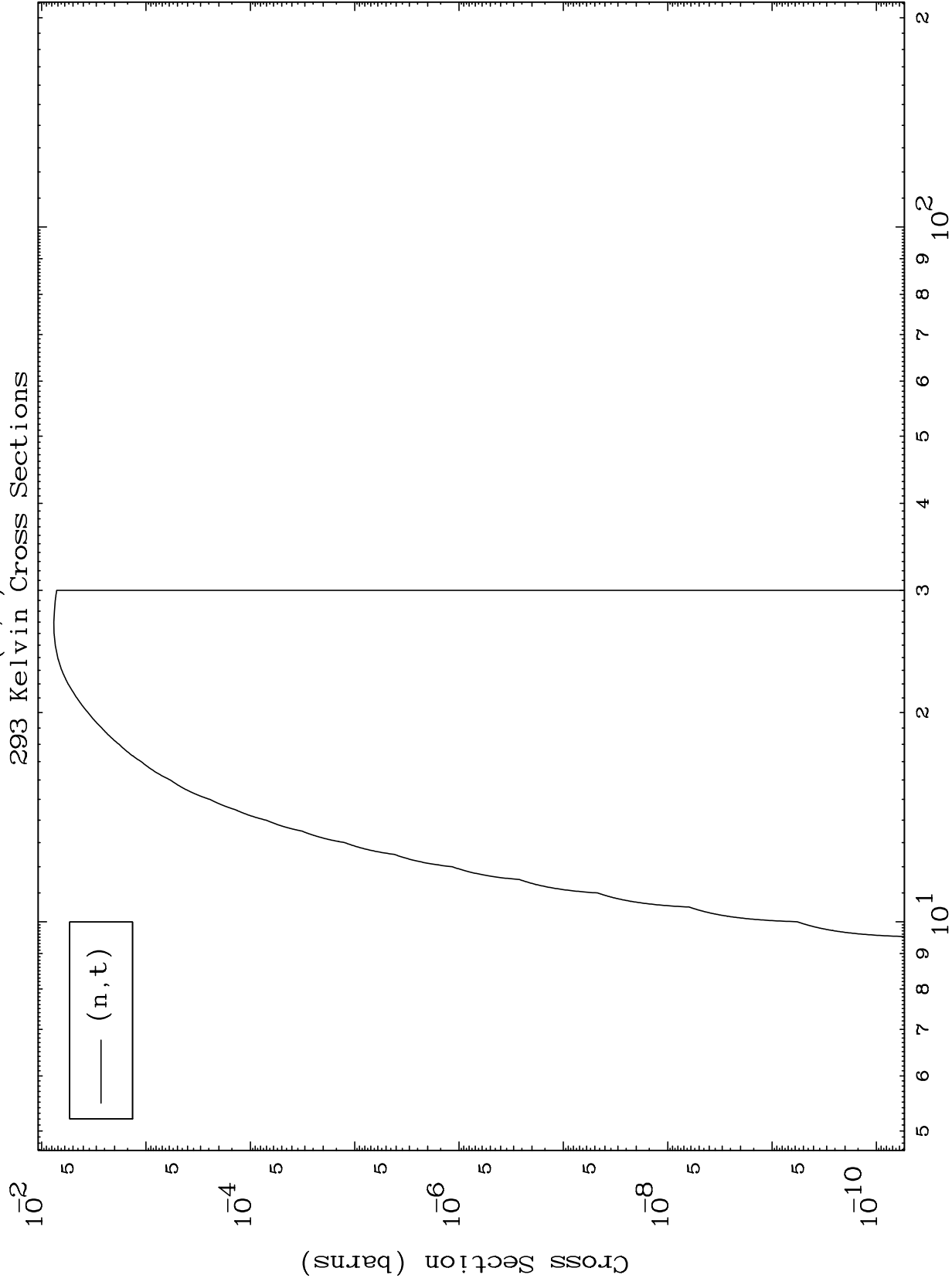
Incident Energy (MeV)

70-Yb-171

MAT 7034

(n,t) Levels
293 Kelvin Cross Sections

70-Yb-171



14

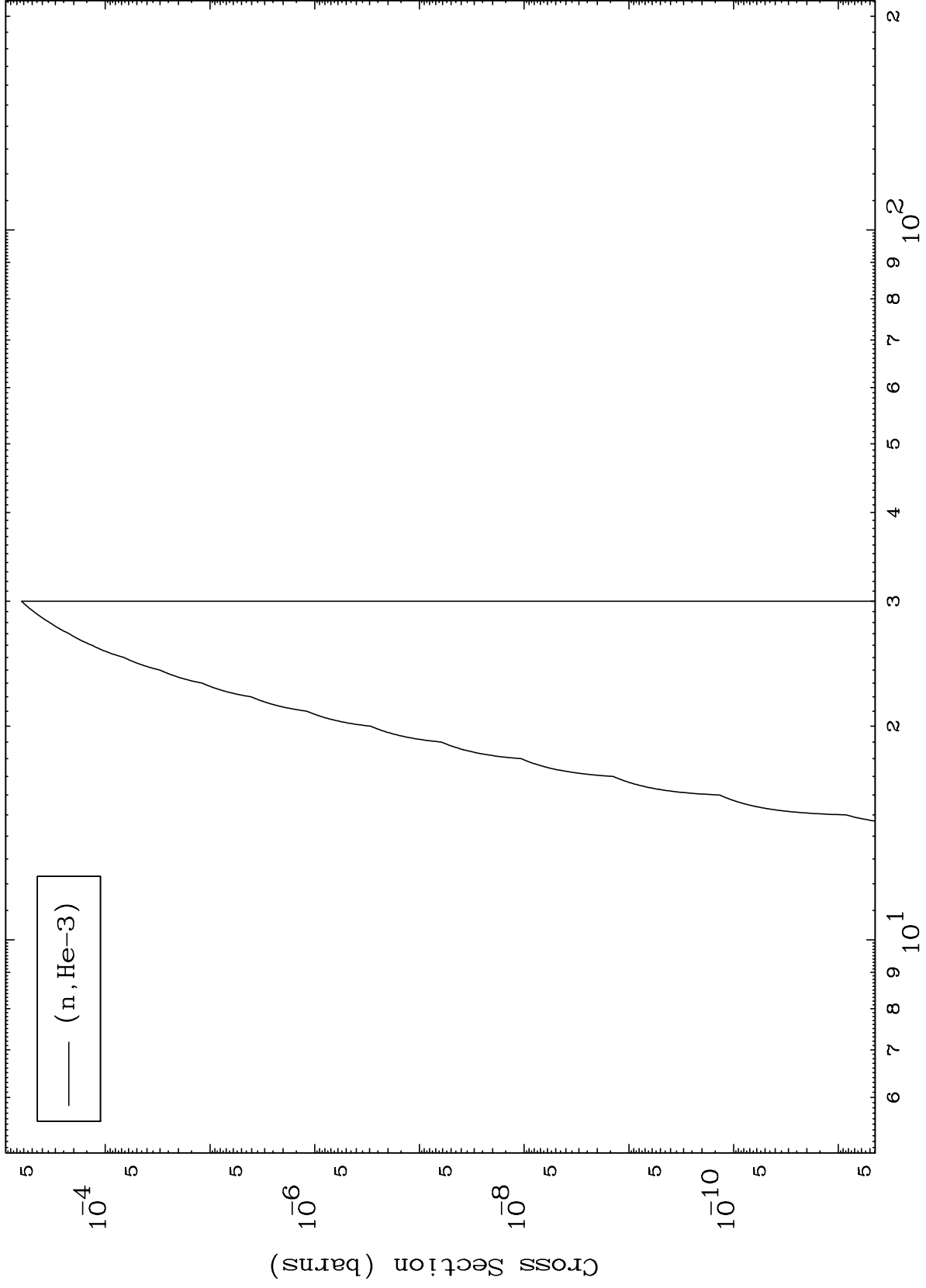
Incident Energy (MeV)

70-Yb-171

MAT 7034

(n,He3) Levels
293 Kelvin Cross Sections

70-Yb-171



15

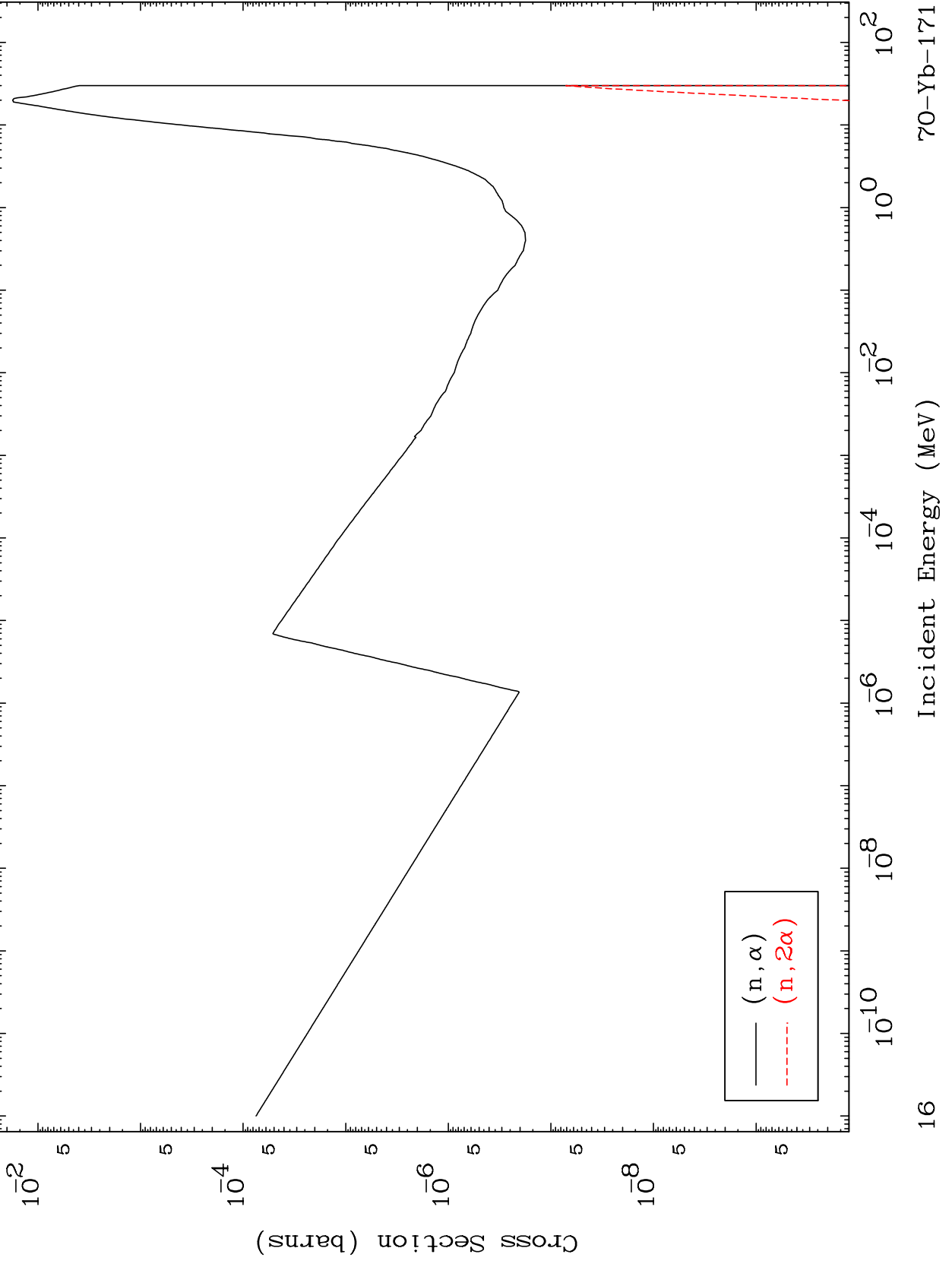
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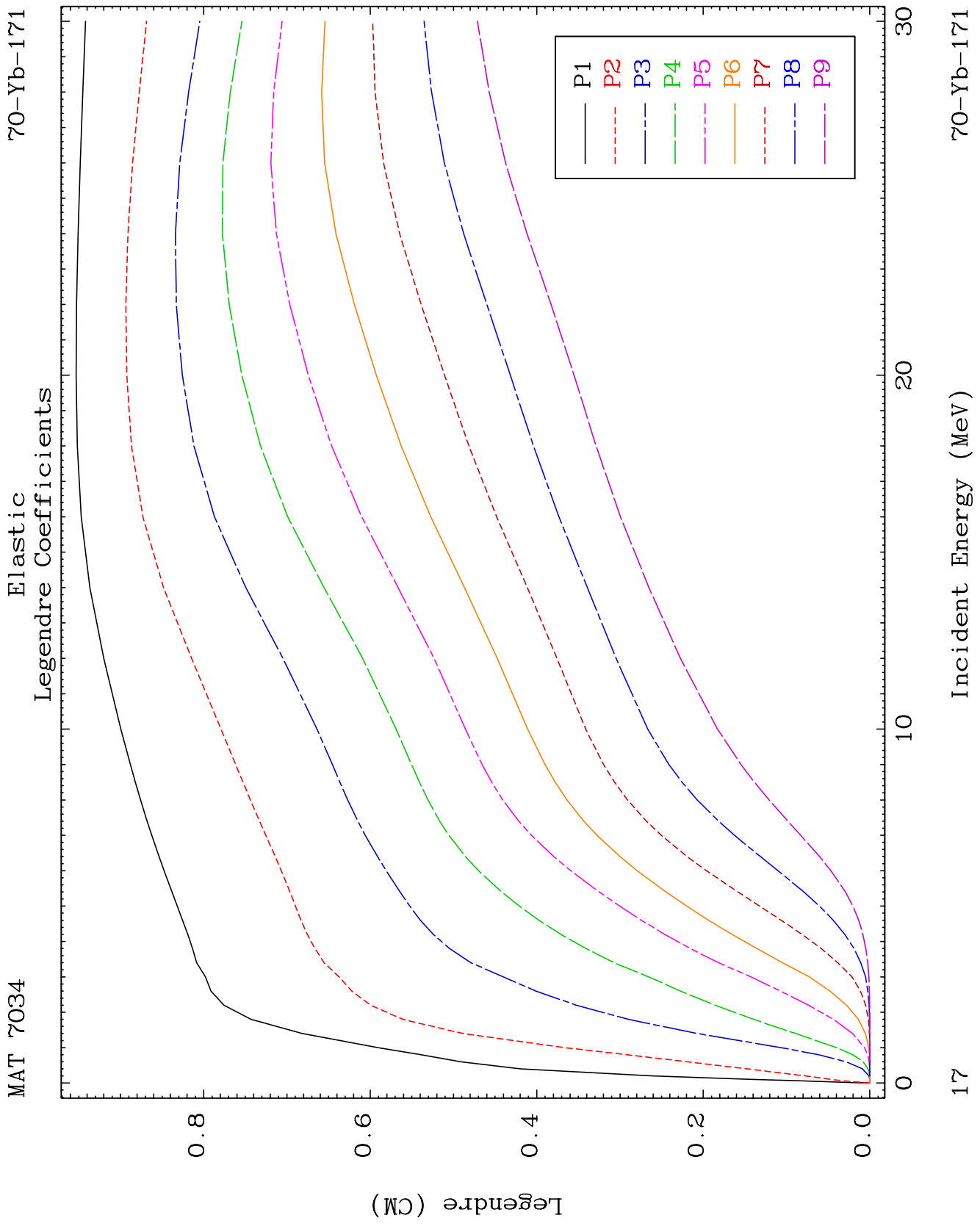
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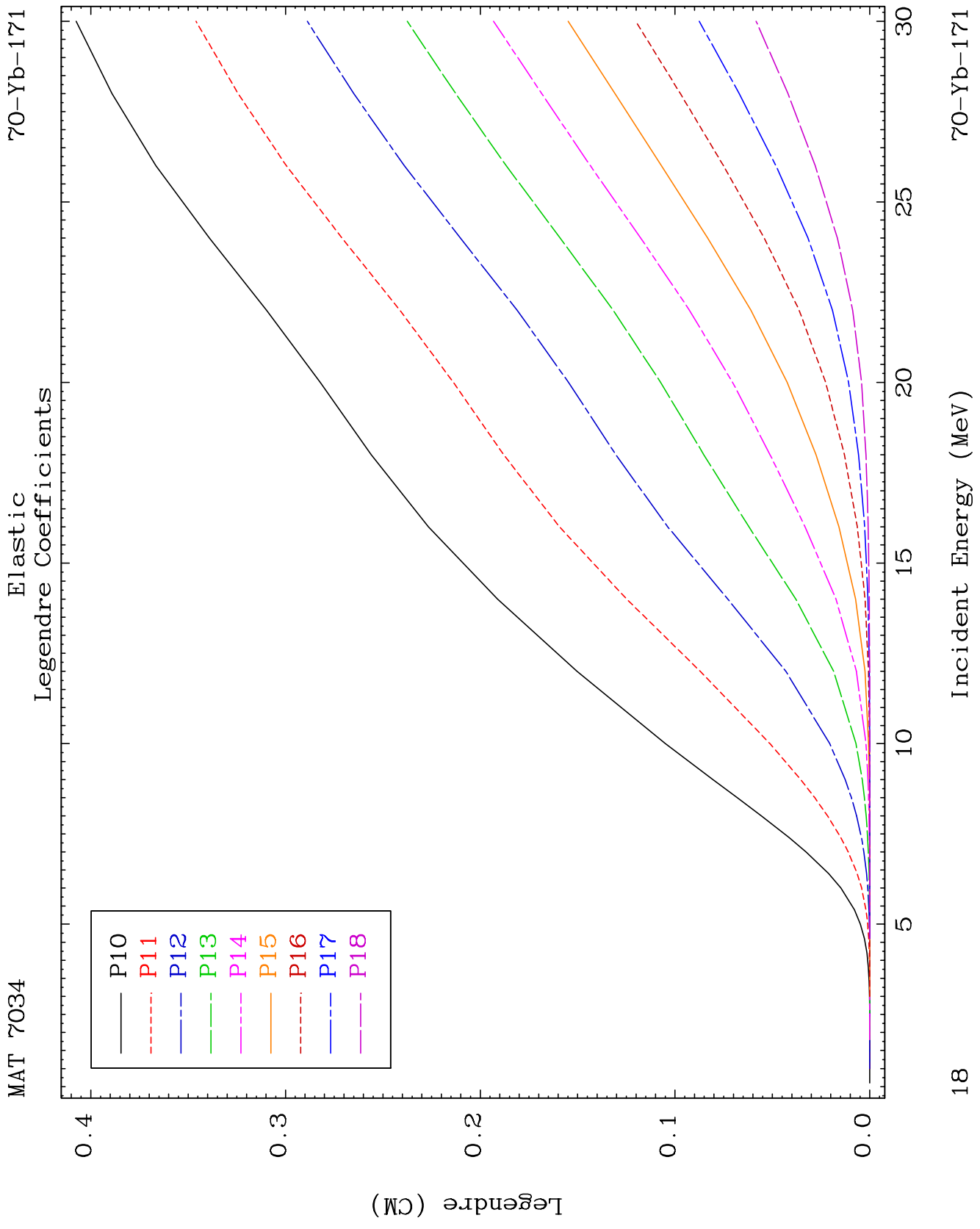
MAT 7034

(n, α) Levels
293 Kelvin Cross Sections

70-Yb-171



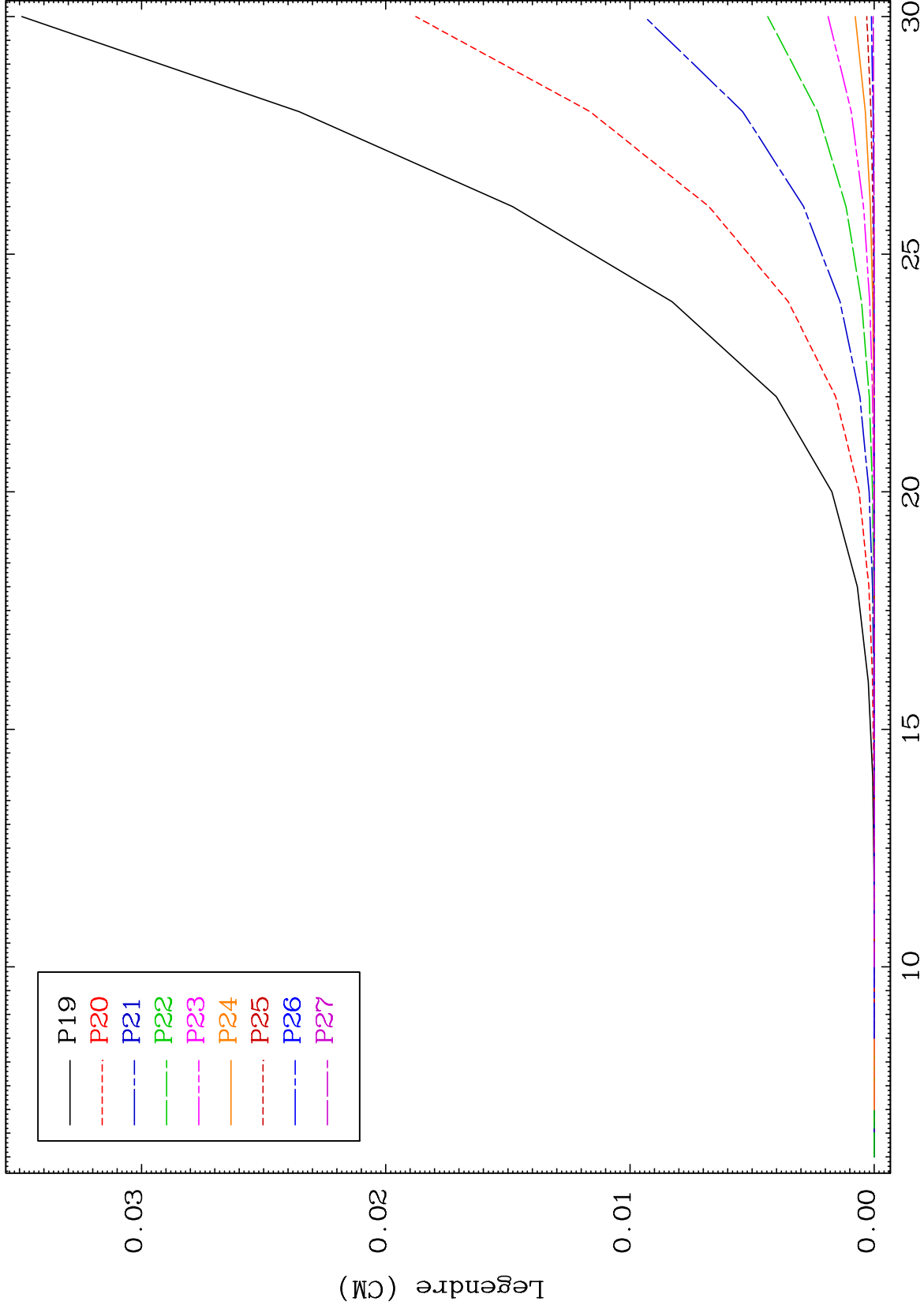




MAT 7034

Elastic Legendre Coefficients

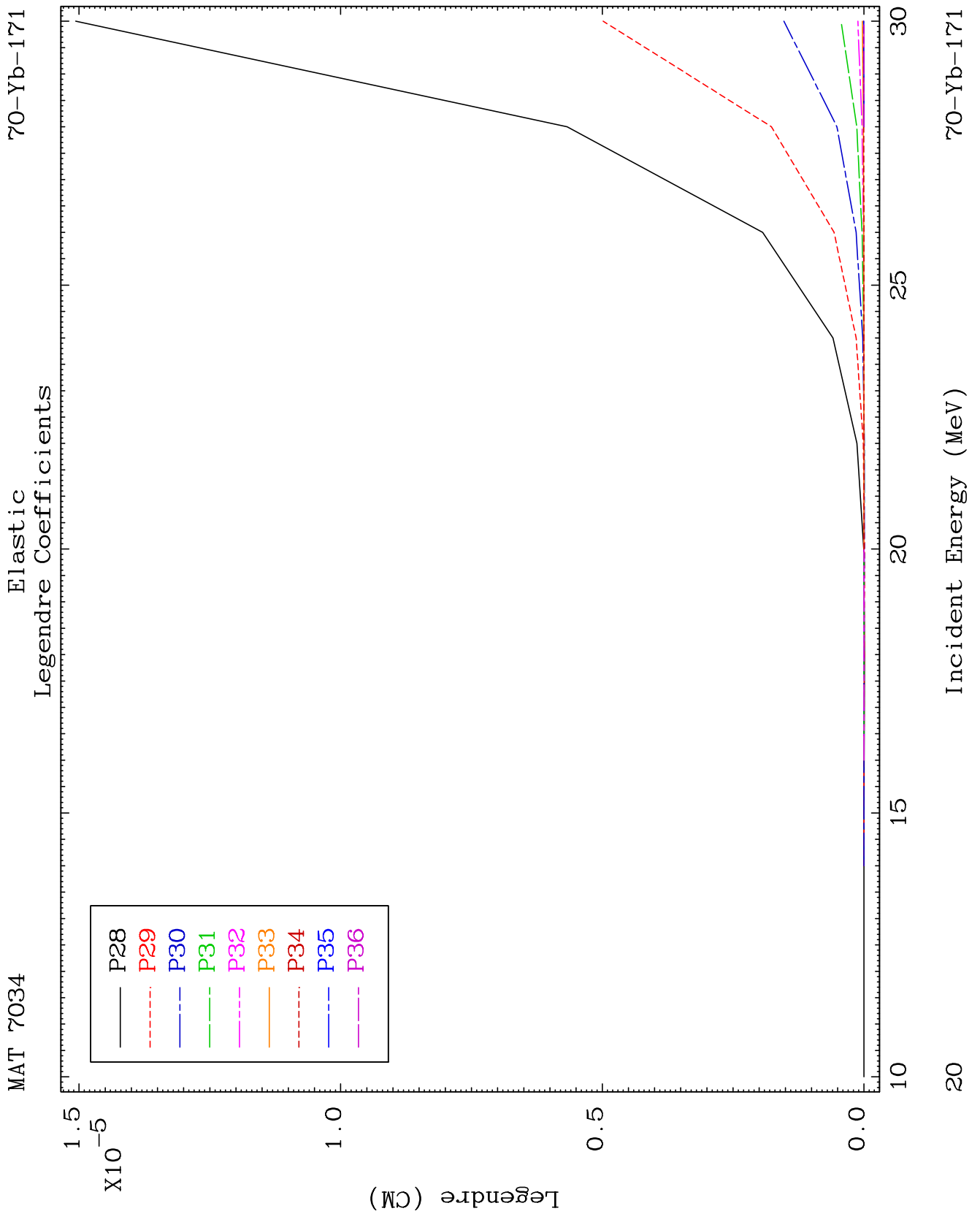
70-Yb-171



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Incident Energy (MeV)

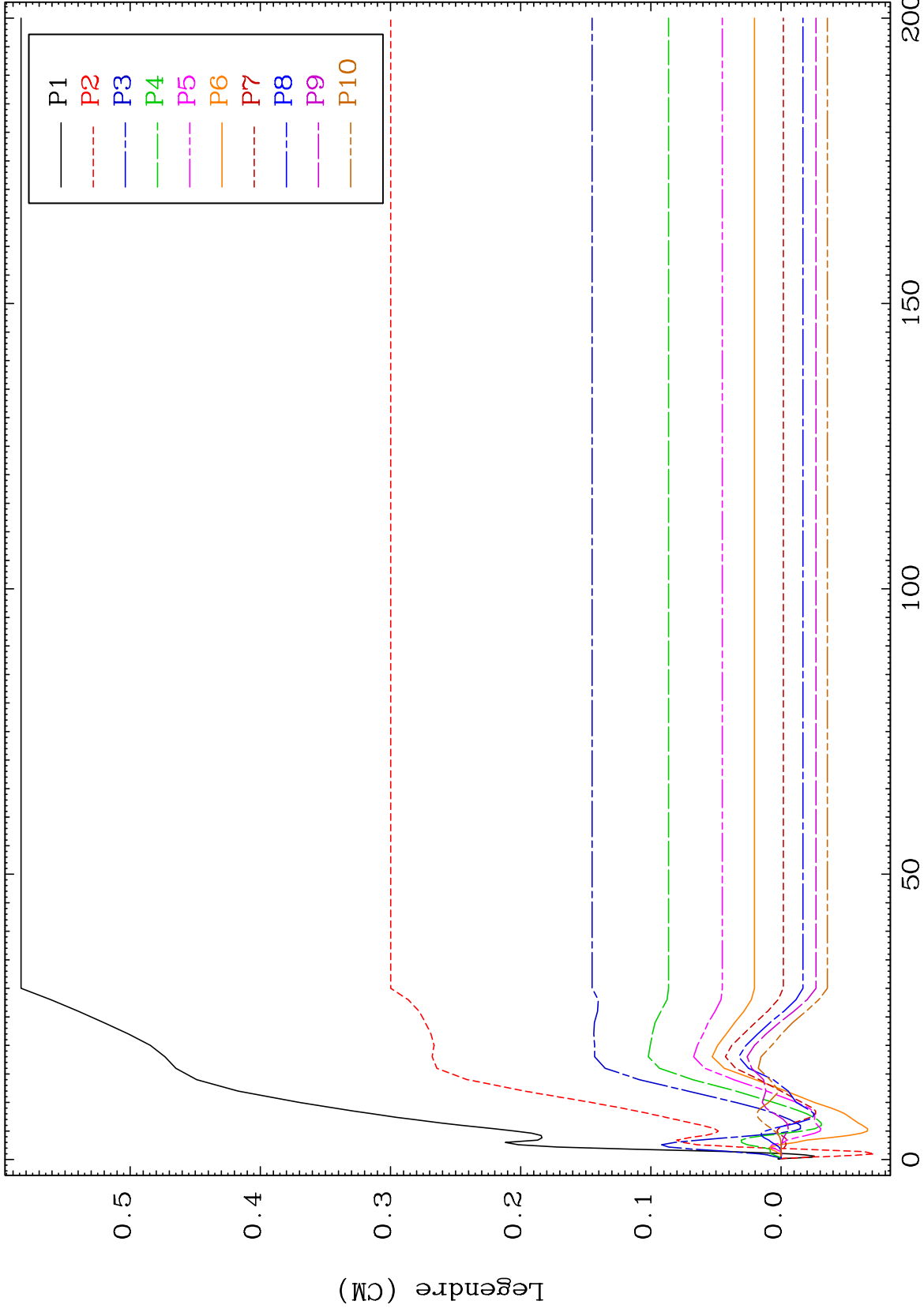
70-Yb-171



MAT 7034

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

70-Yb-171



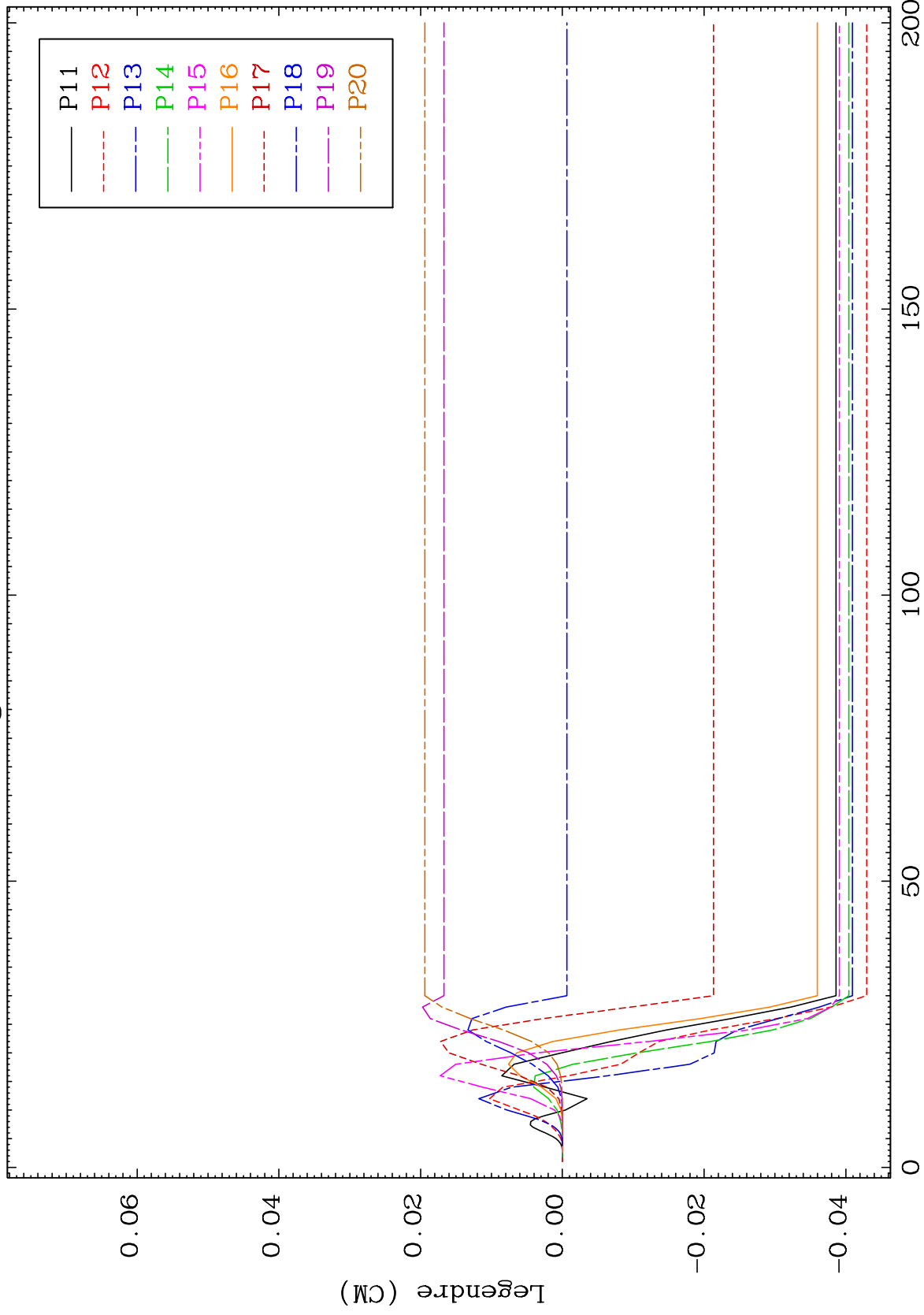
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70-Yb-171

MAT 7034

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

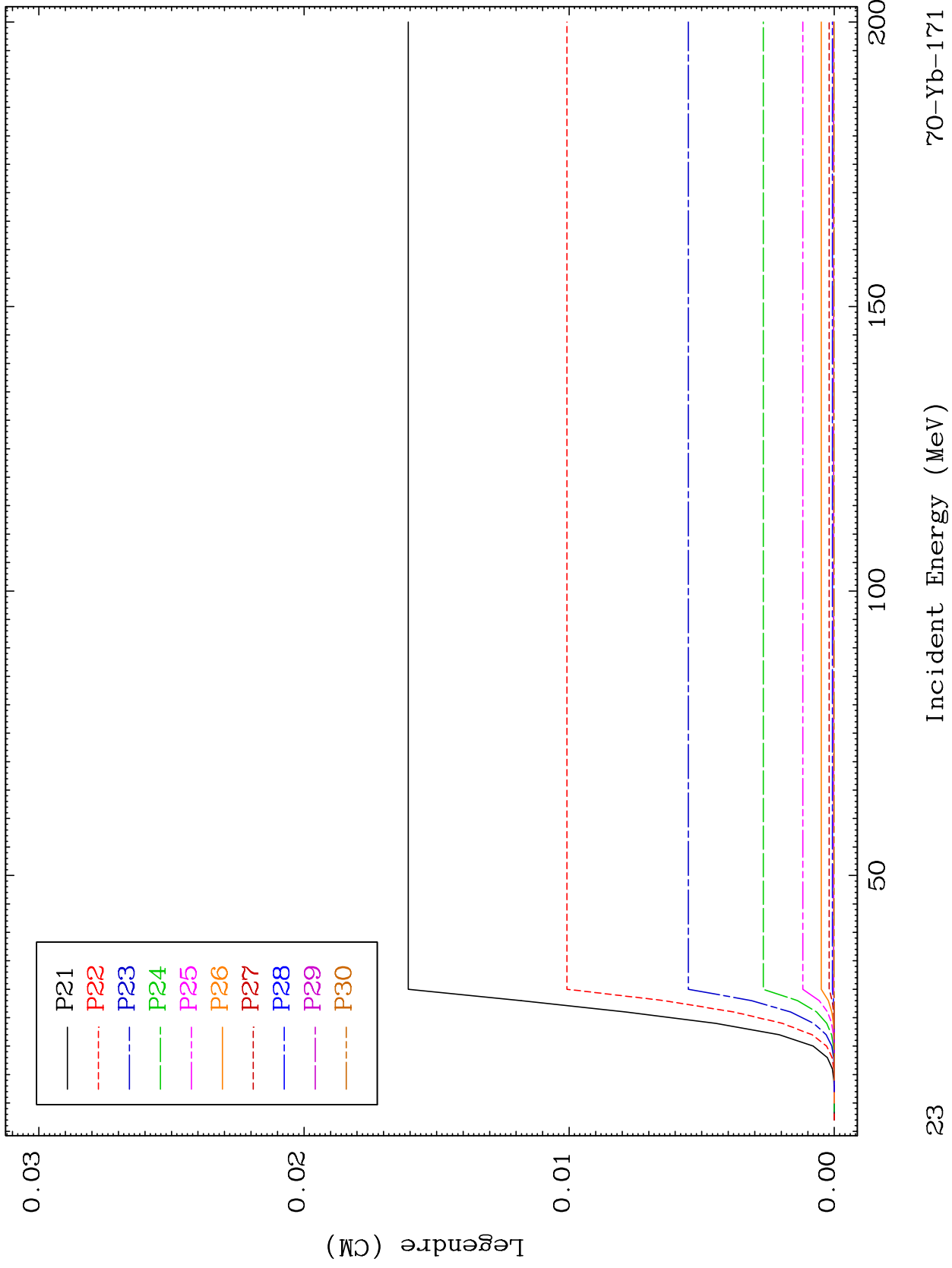
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MAT 7034

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

70-Yb-171



23

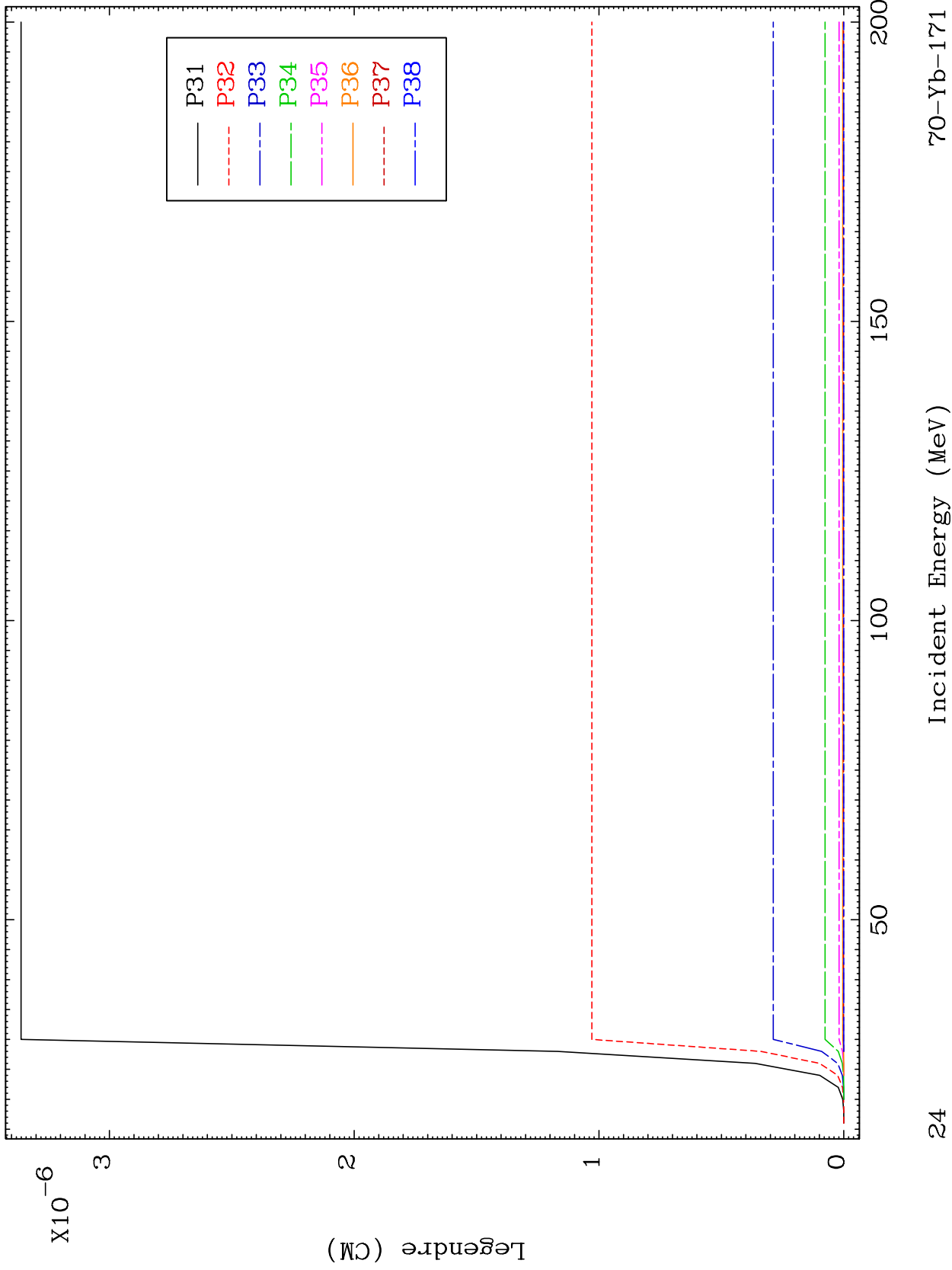
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171



24

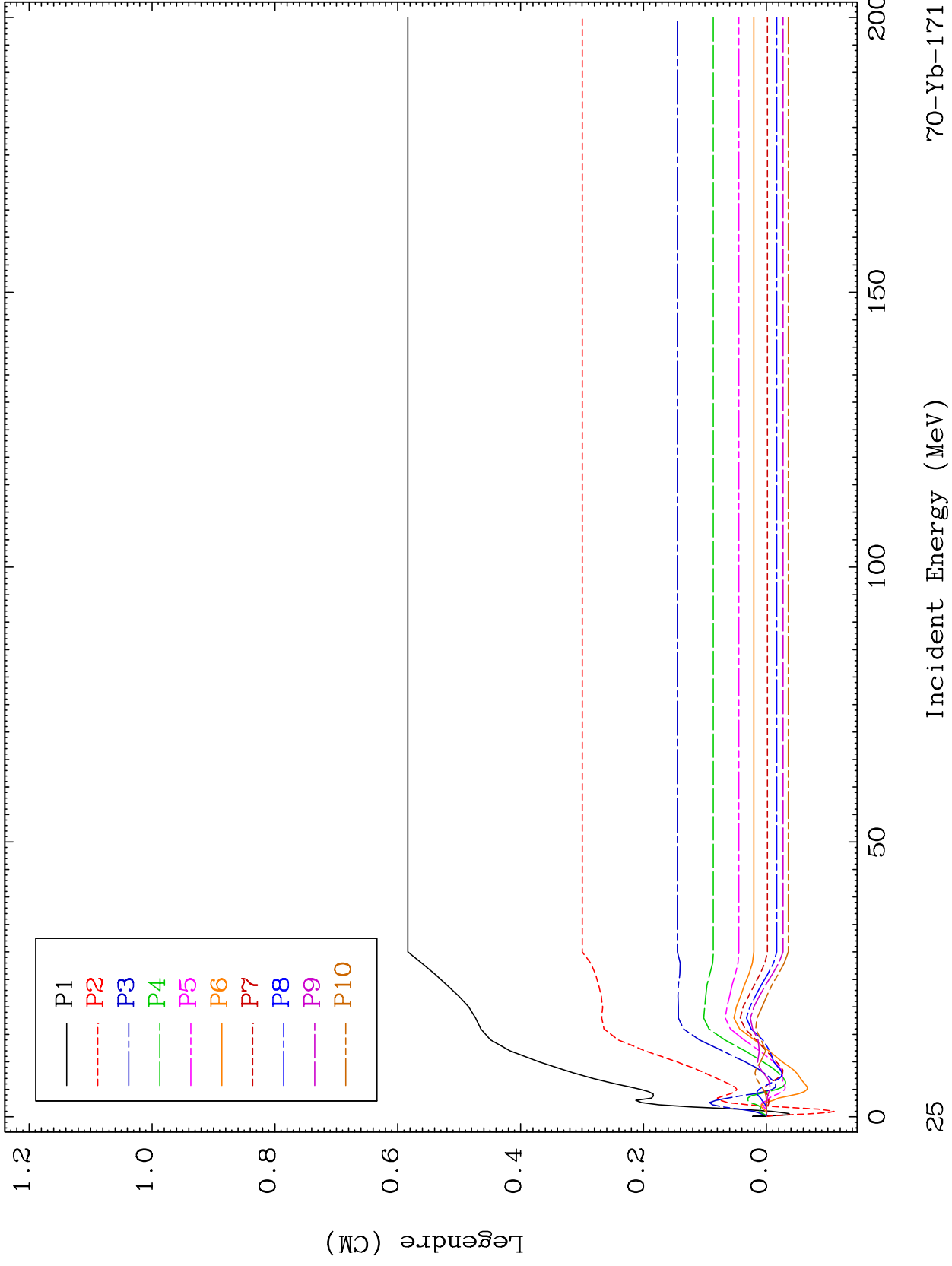
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

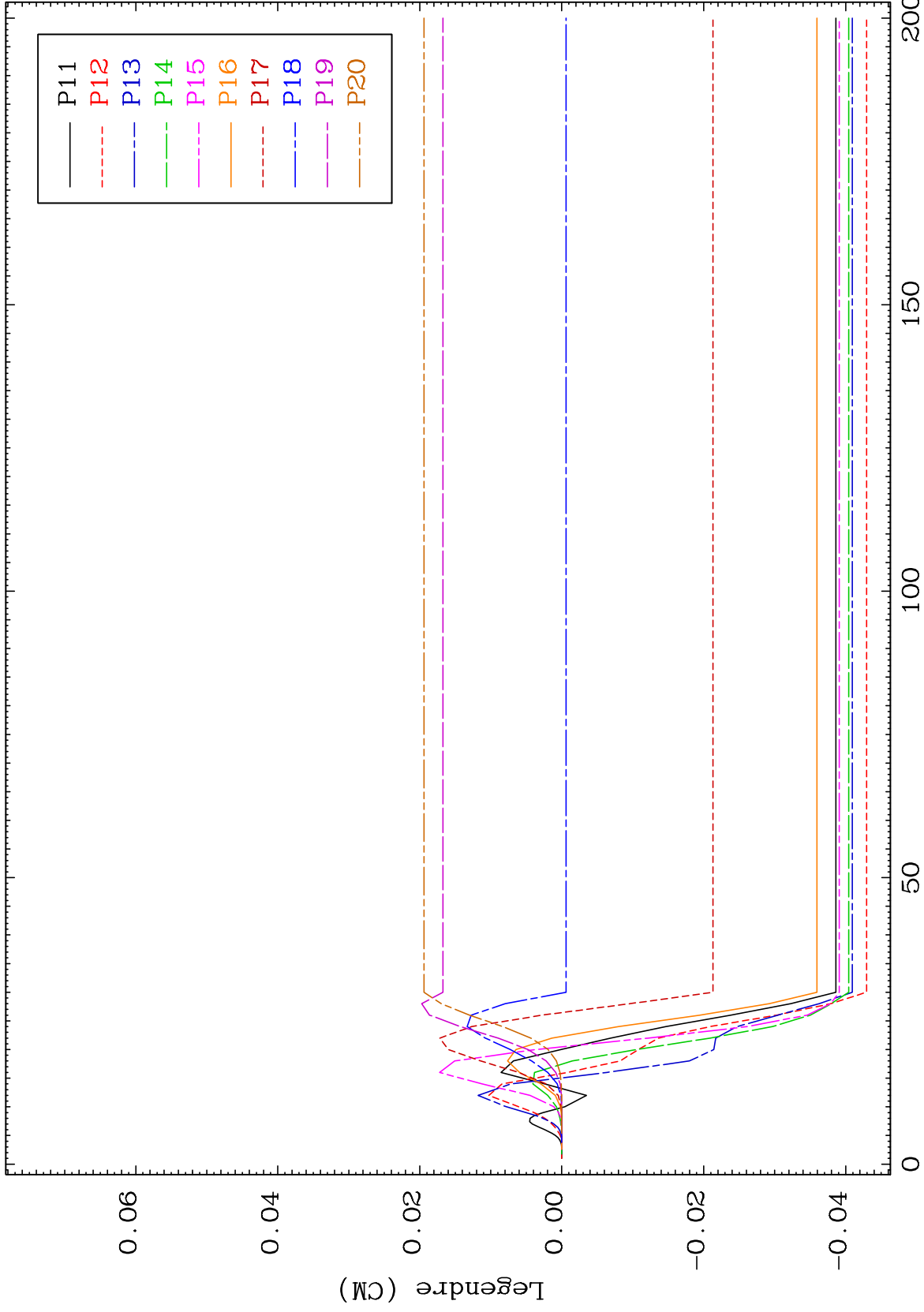
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MAT 7034

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

70-Yb-171



26

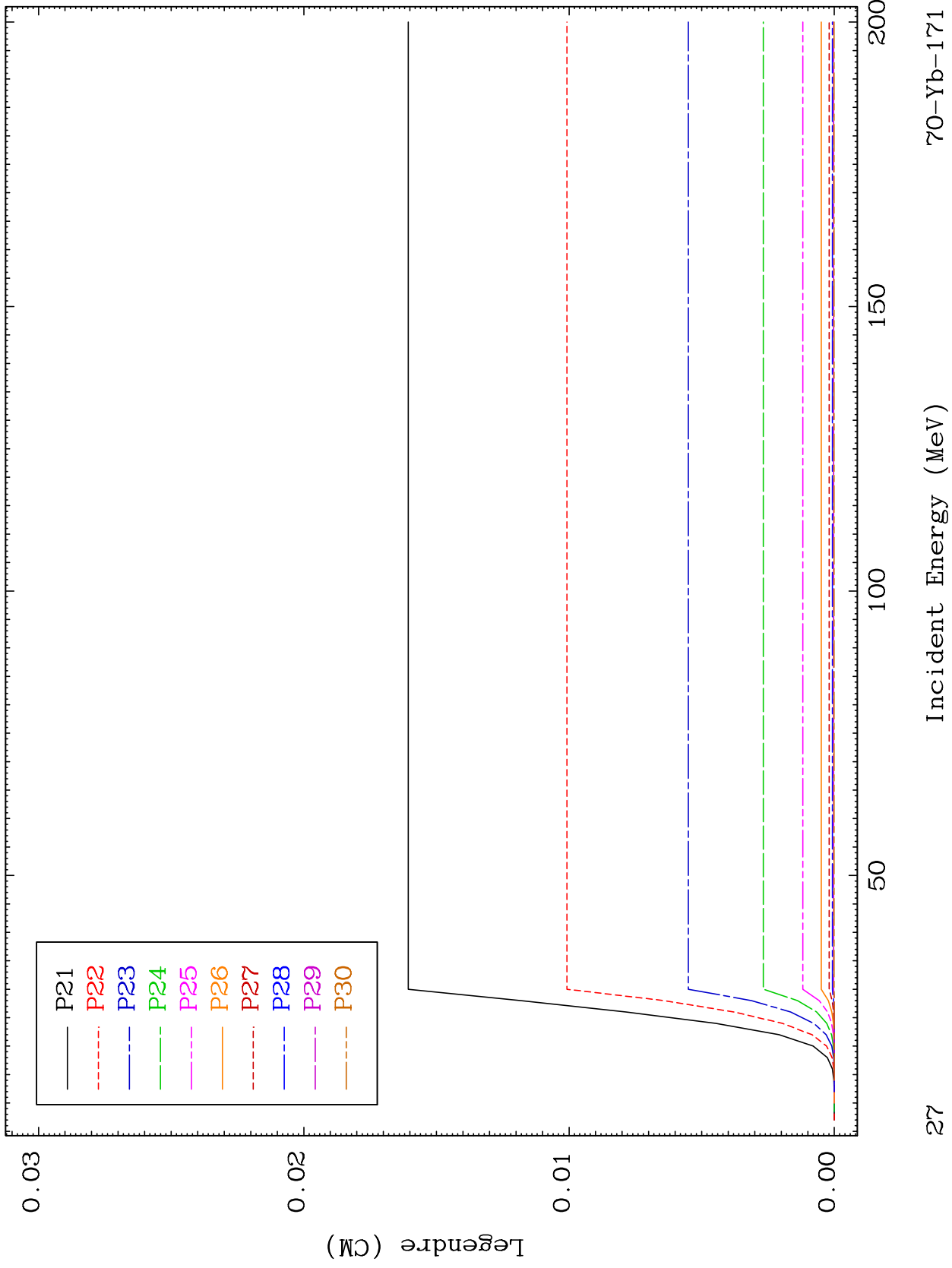
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171



27

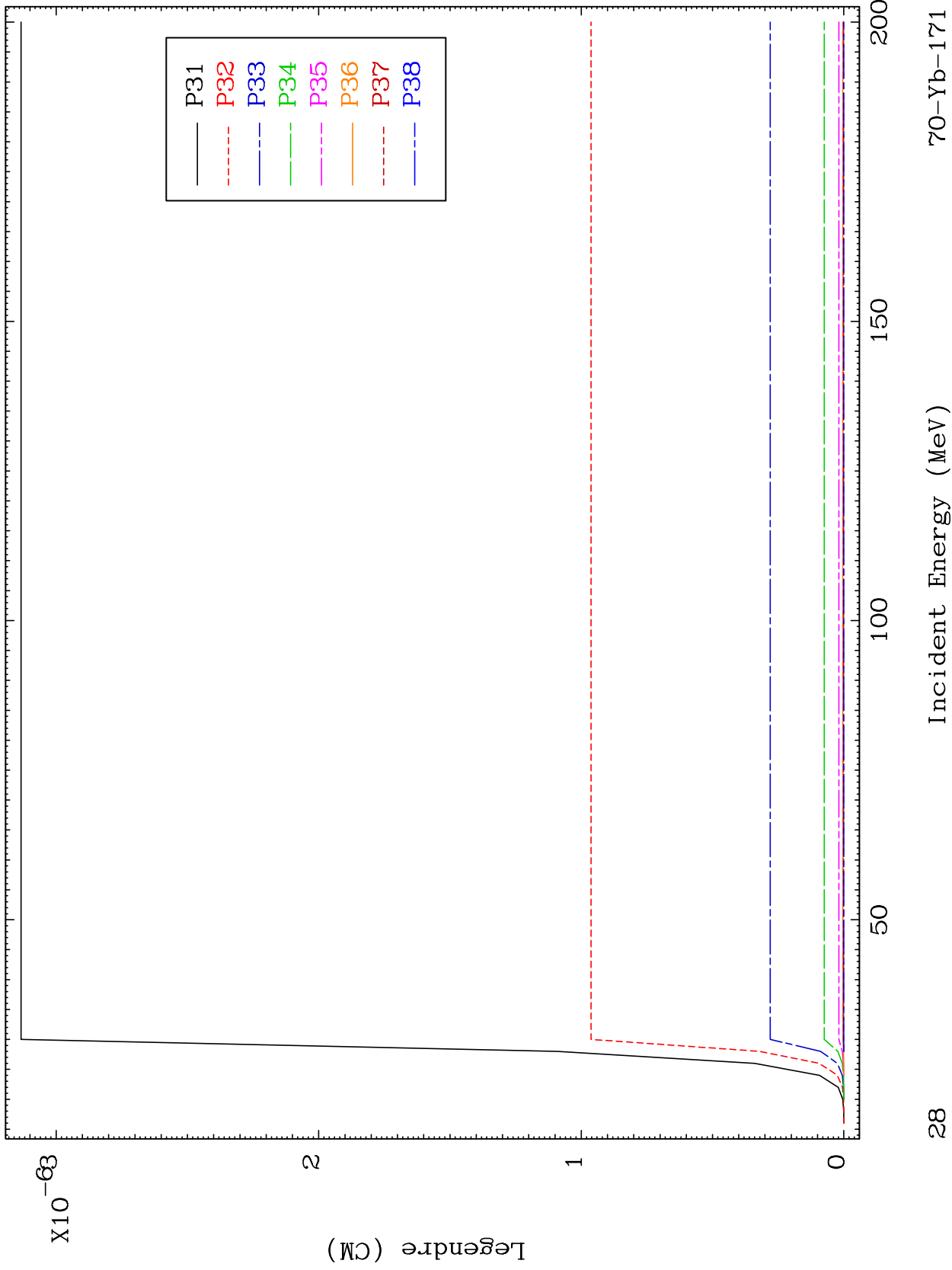
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

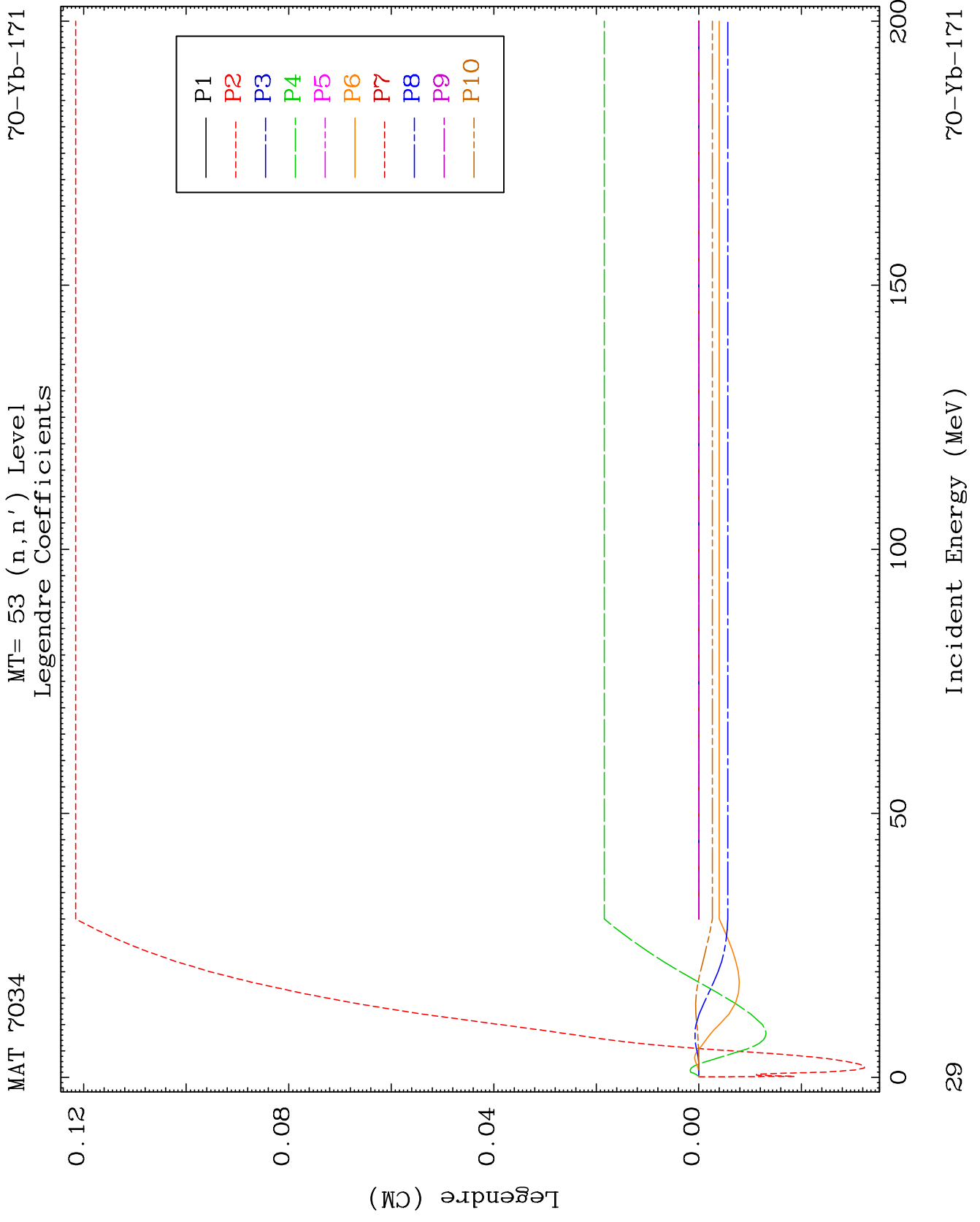
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28

Incident Energy (MeV)

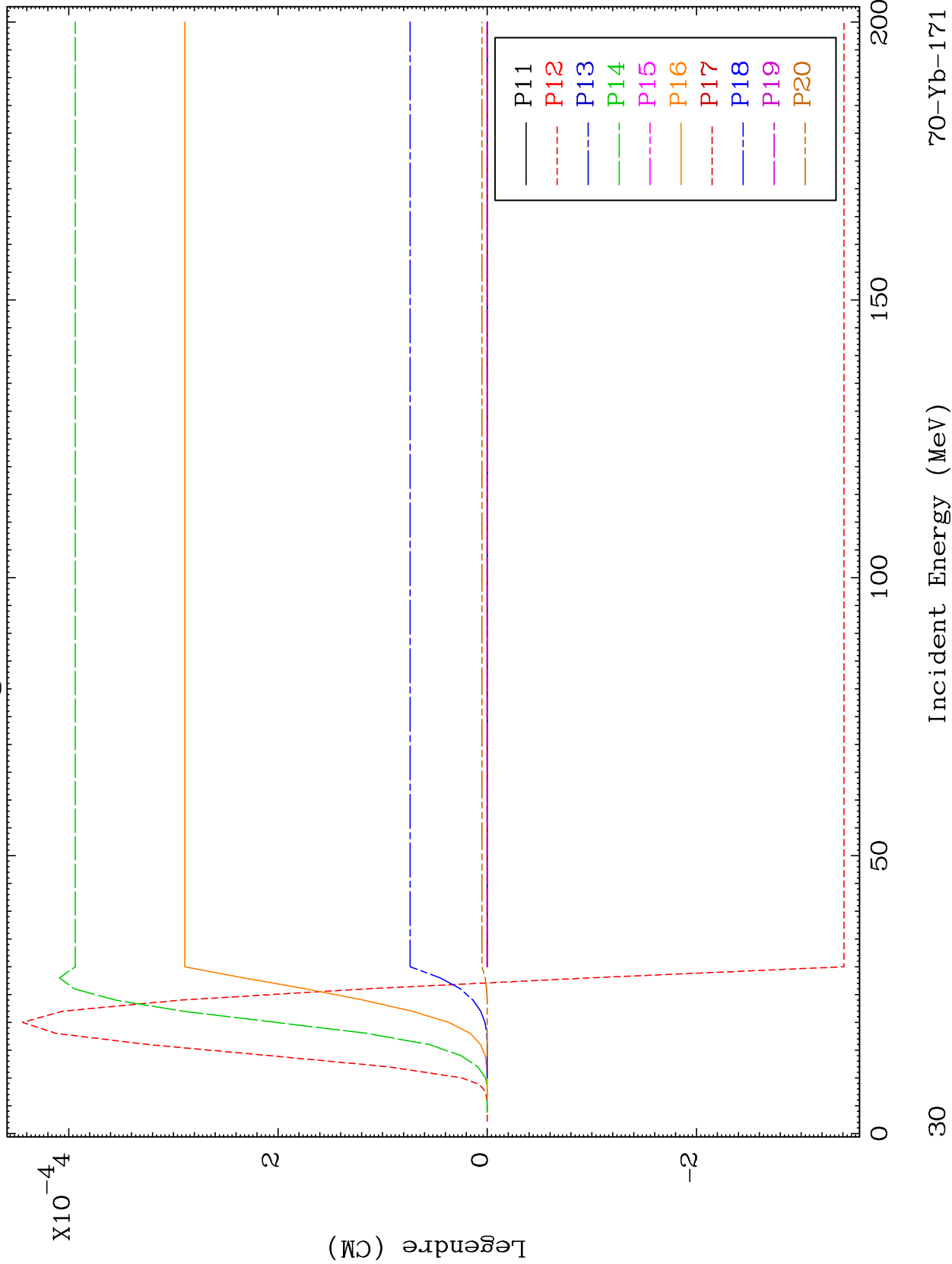
70-Yb-171



MAT 7034

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

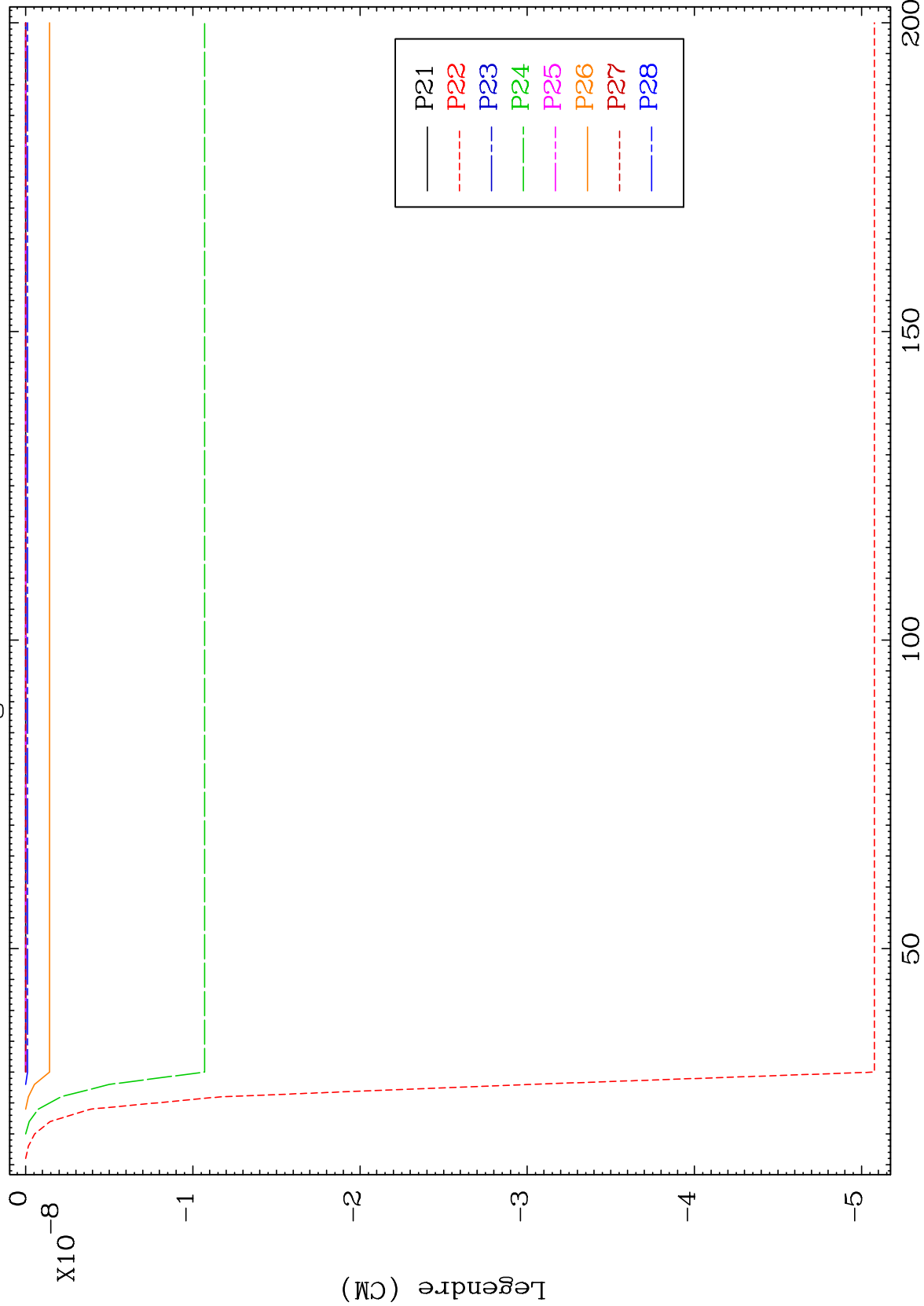
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MAT 7034

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

70-Yb-171



31

Incident Energy (MeV)

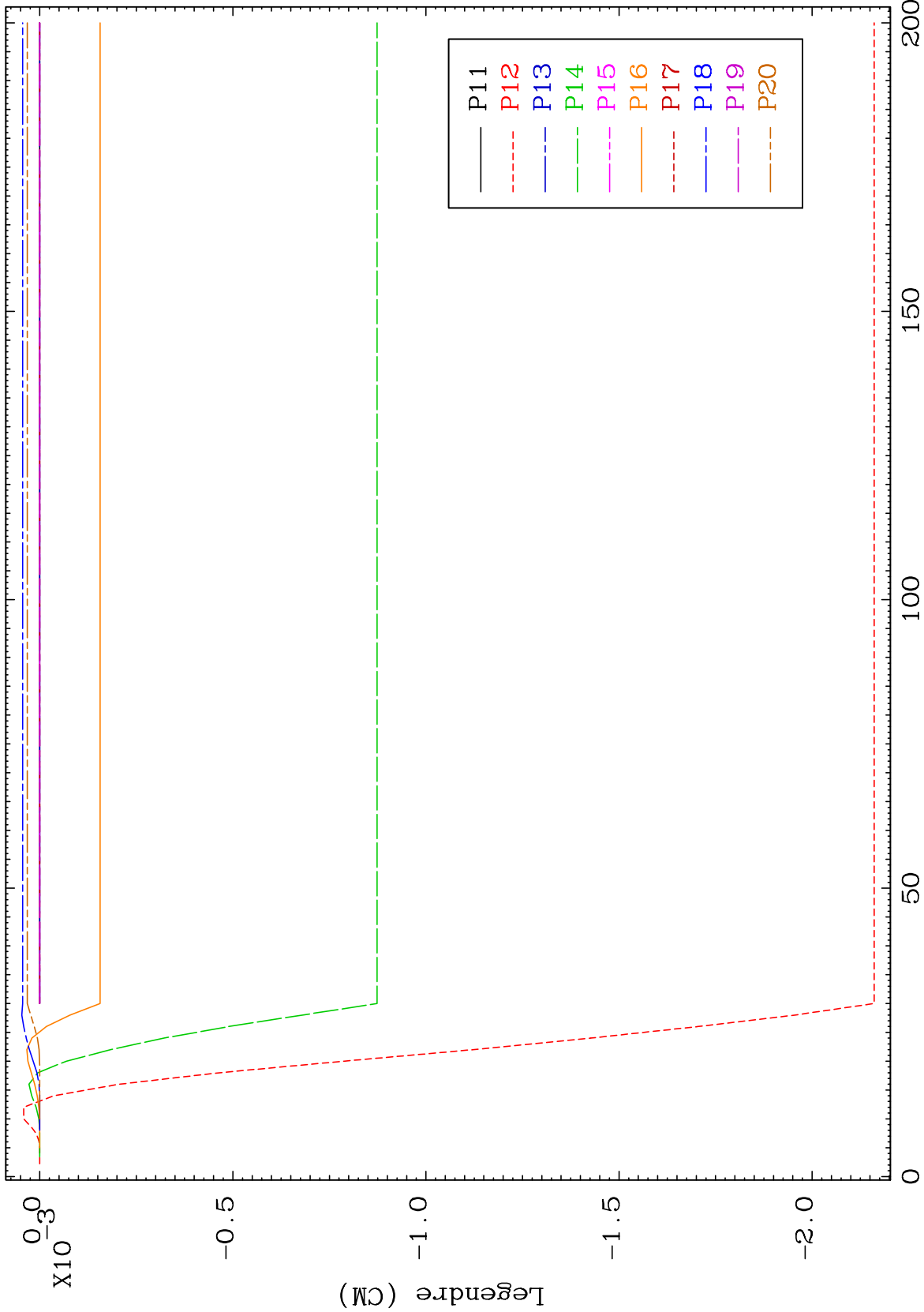
70-Yb-171

MAT 7034

MT= 54 (n,n') Level

70-Yb-171

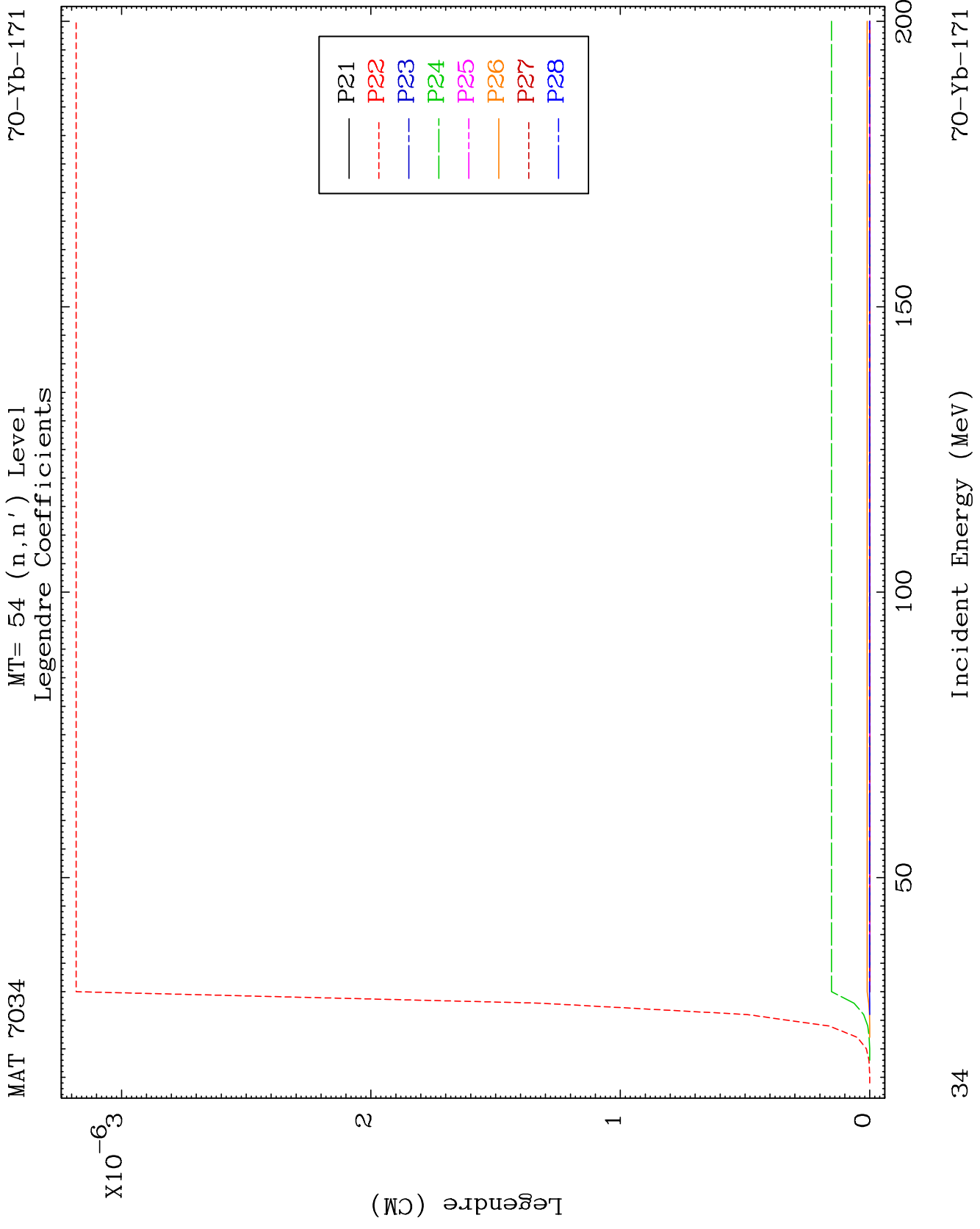
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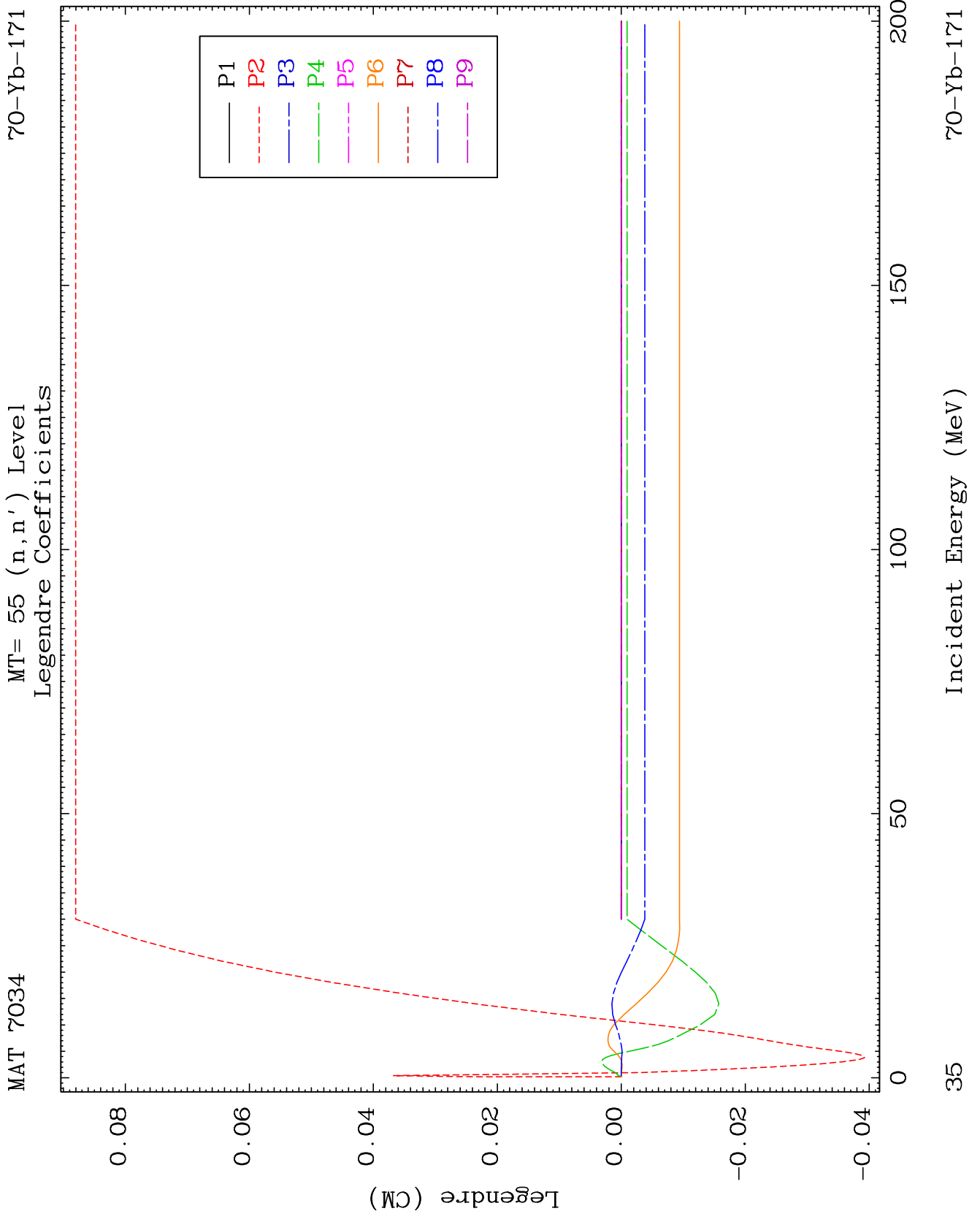


33

Incident Energy (MeV)

70-Yb-171

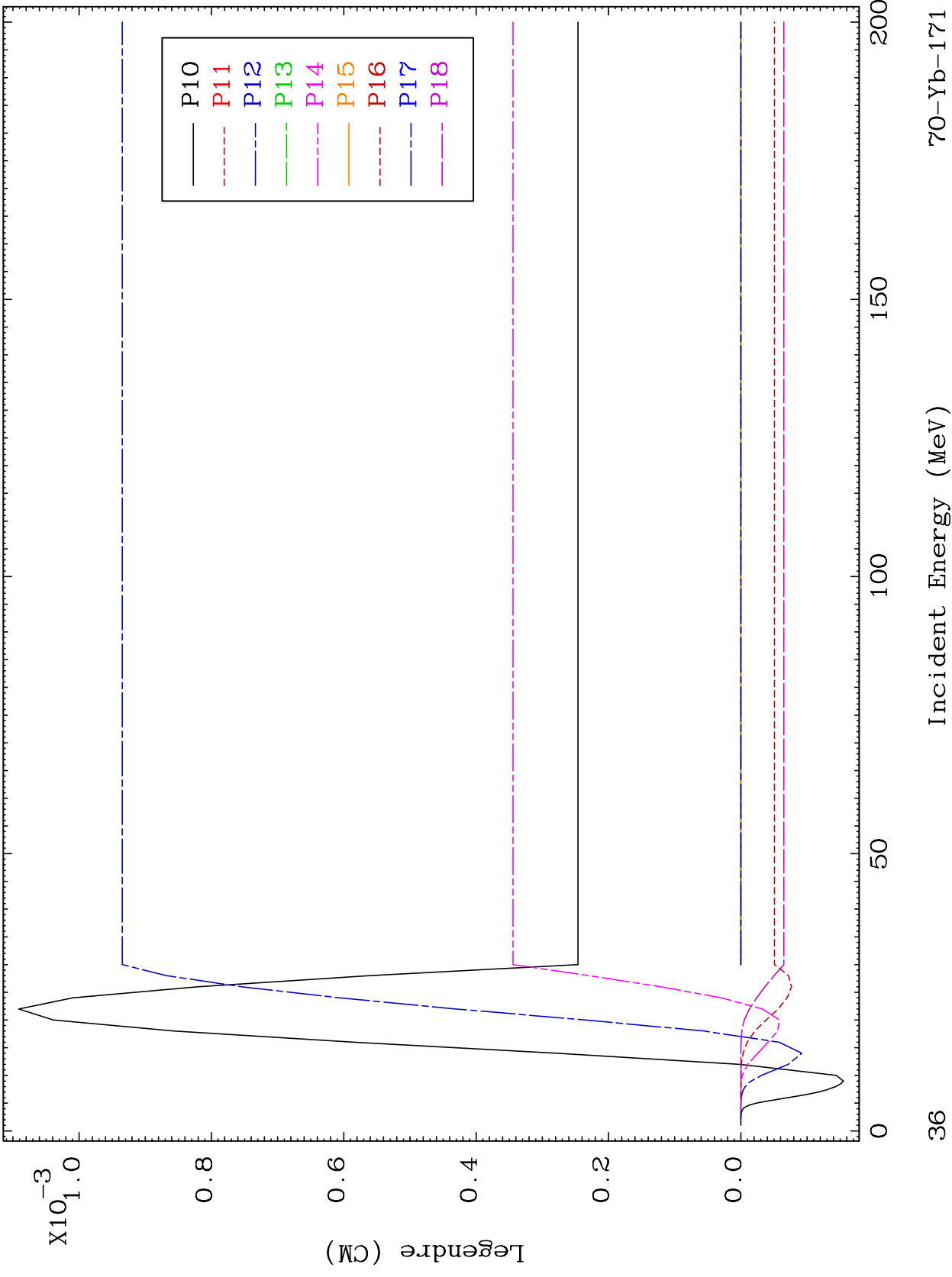




MAT 7034

MT= 55 (n,n') Level
Legendre Coefficients

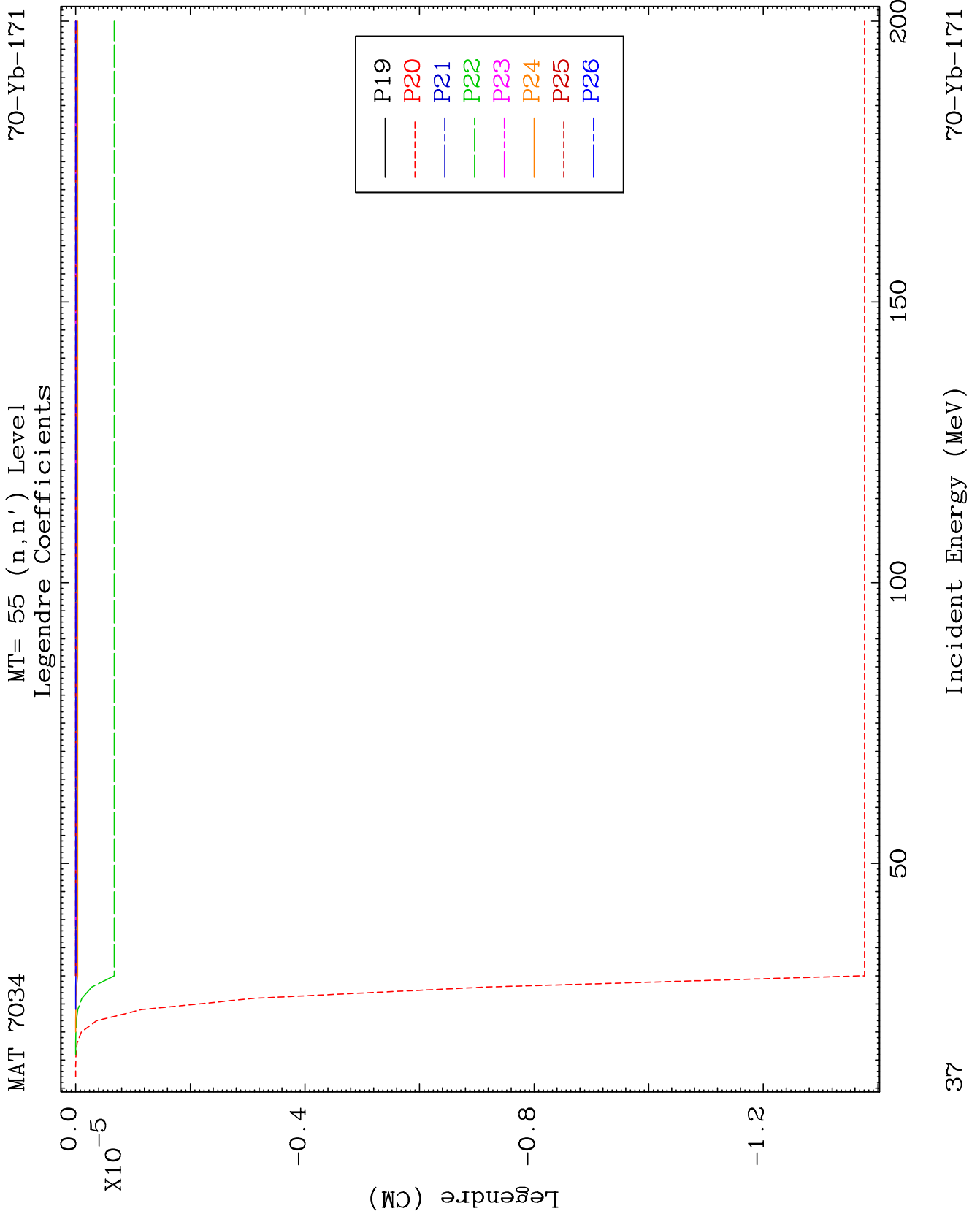
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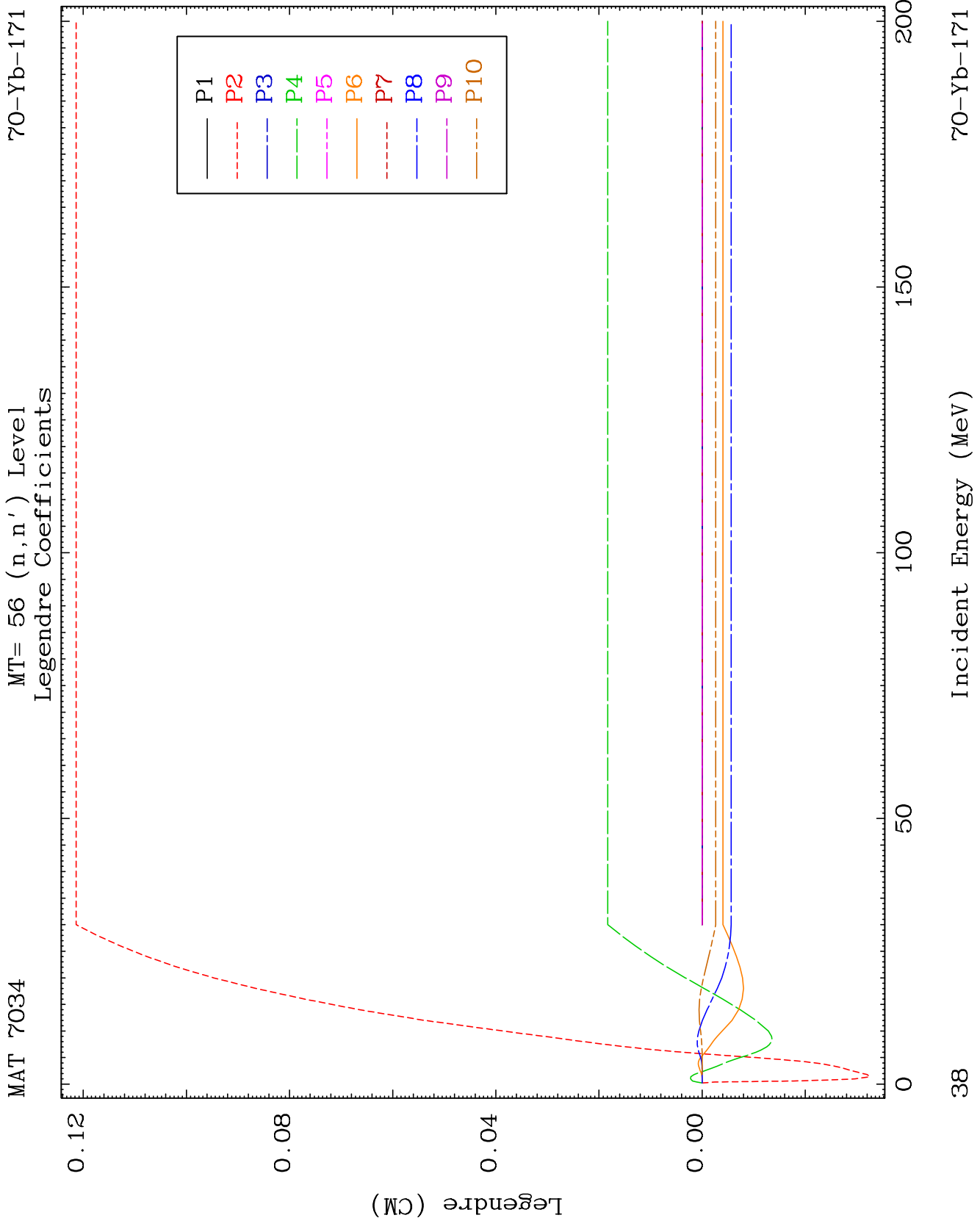


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Incident Energy (MeV)

70-Yb-171

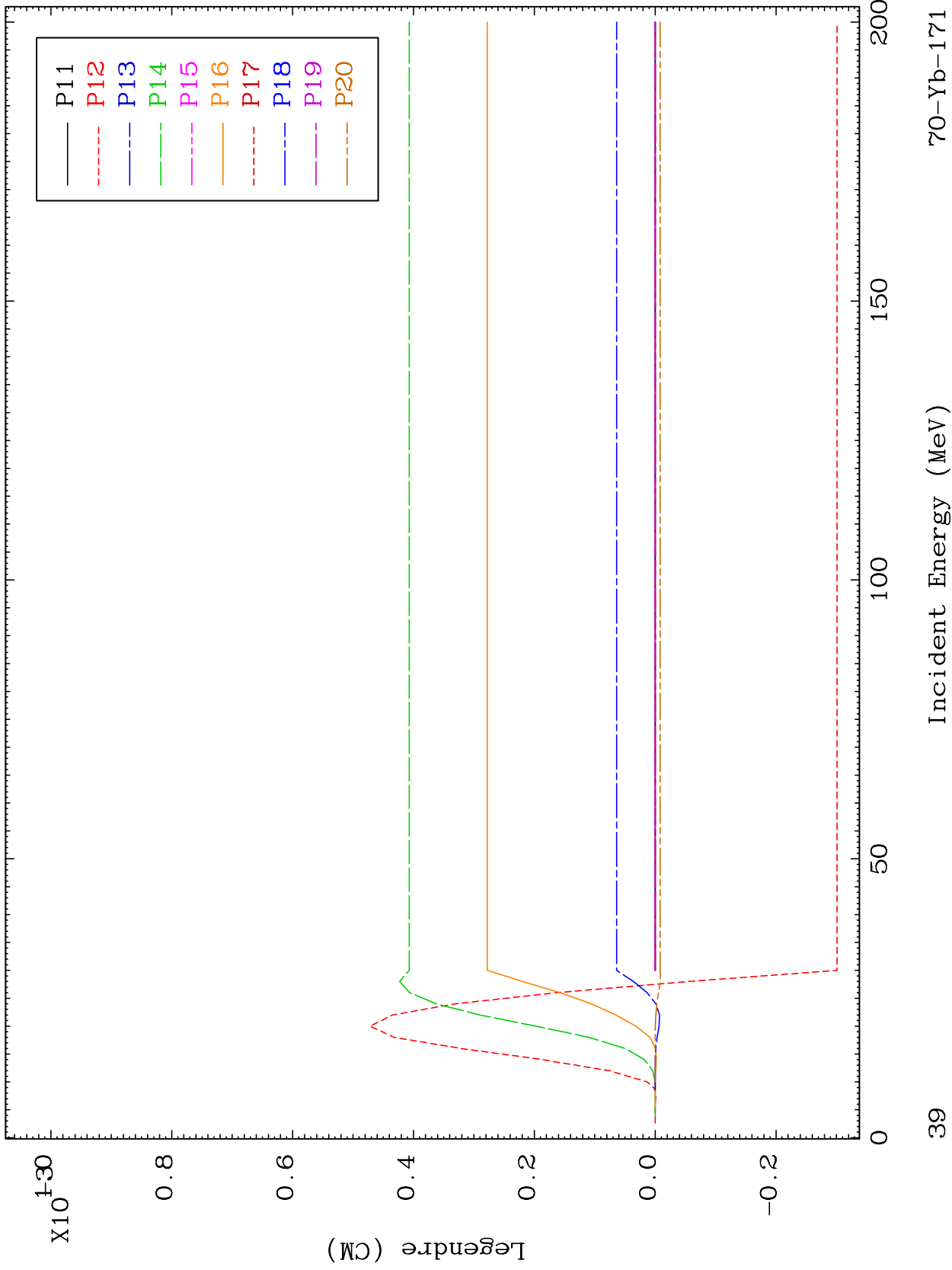




MAT 7034

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

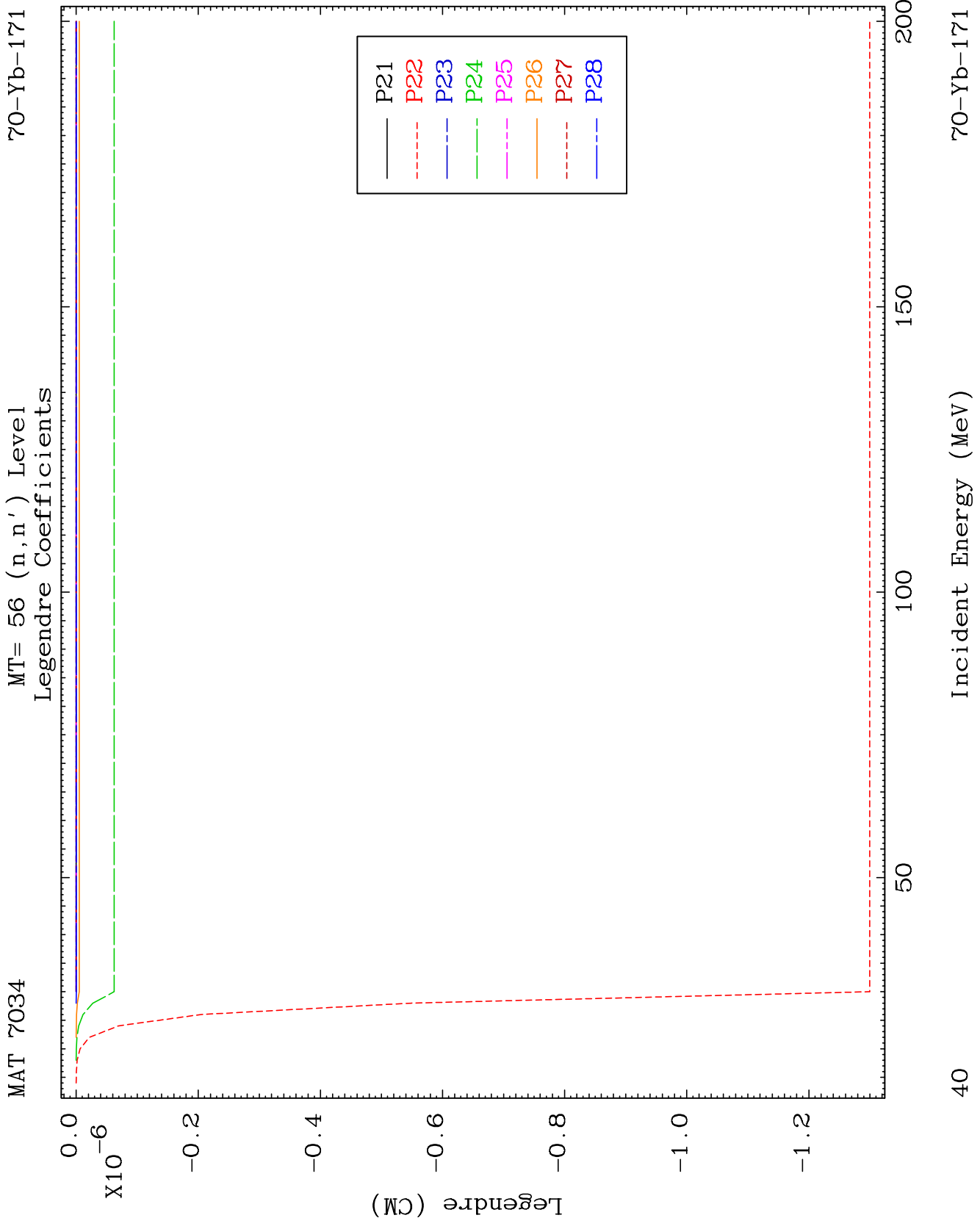
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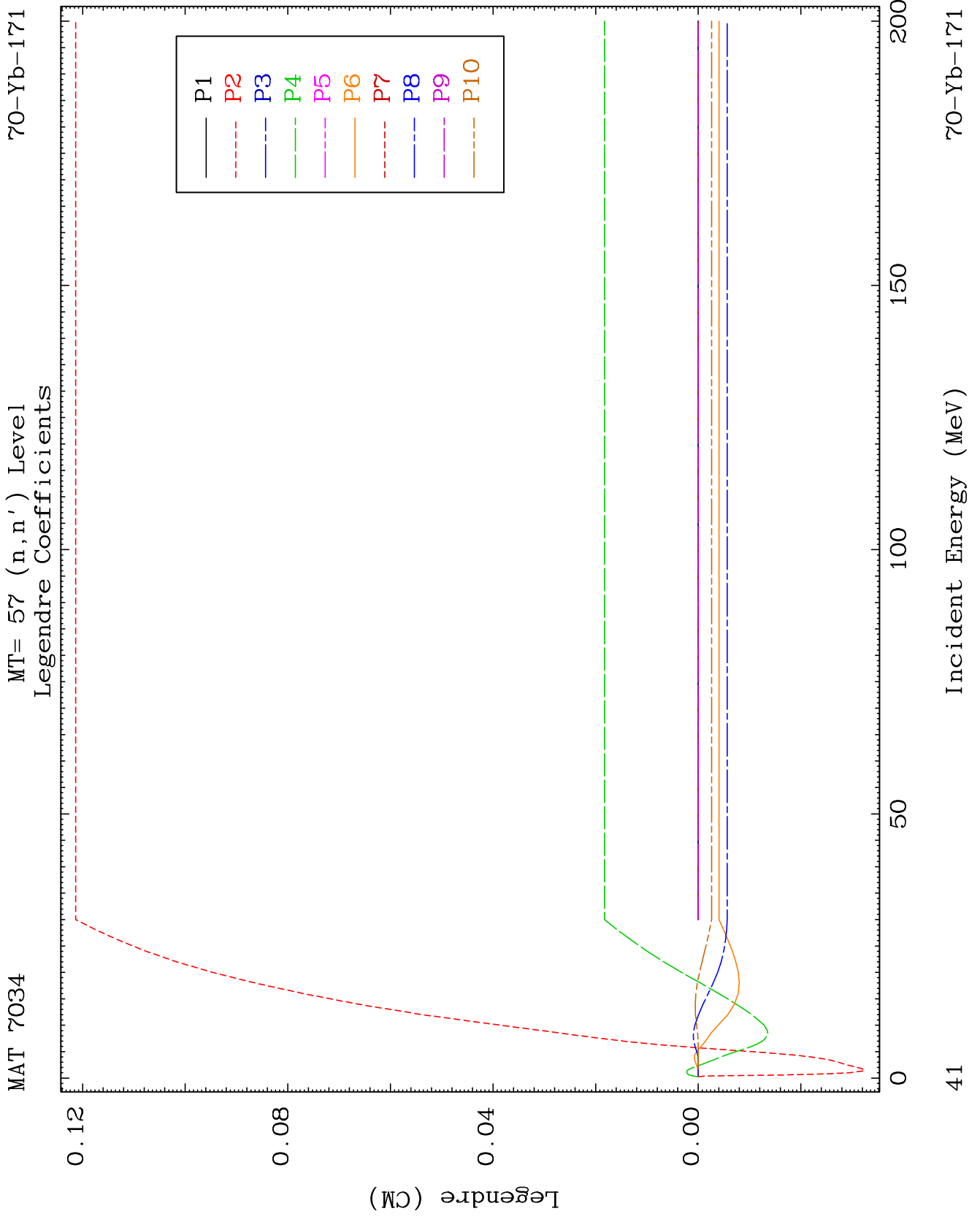


39

Incident Energy (MeV)

70-Yb-171

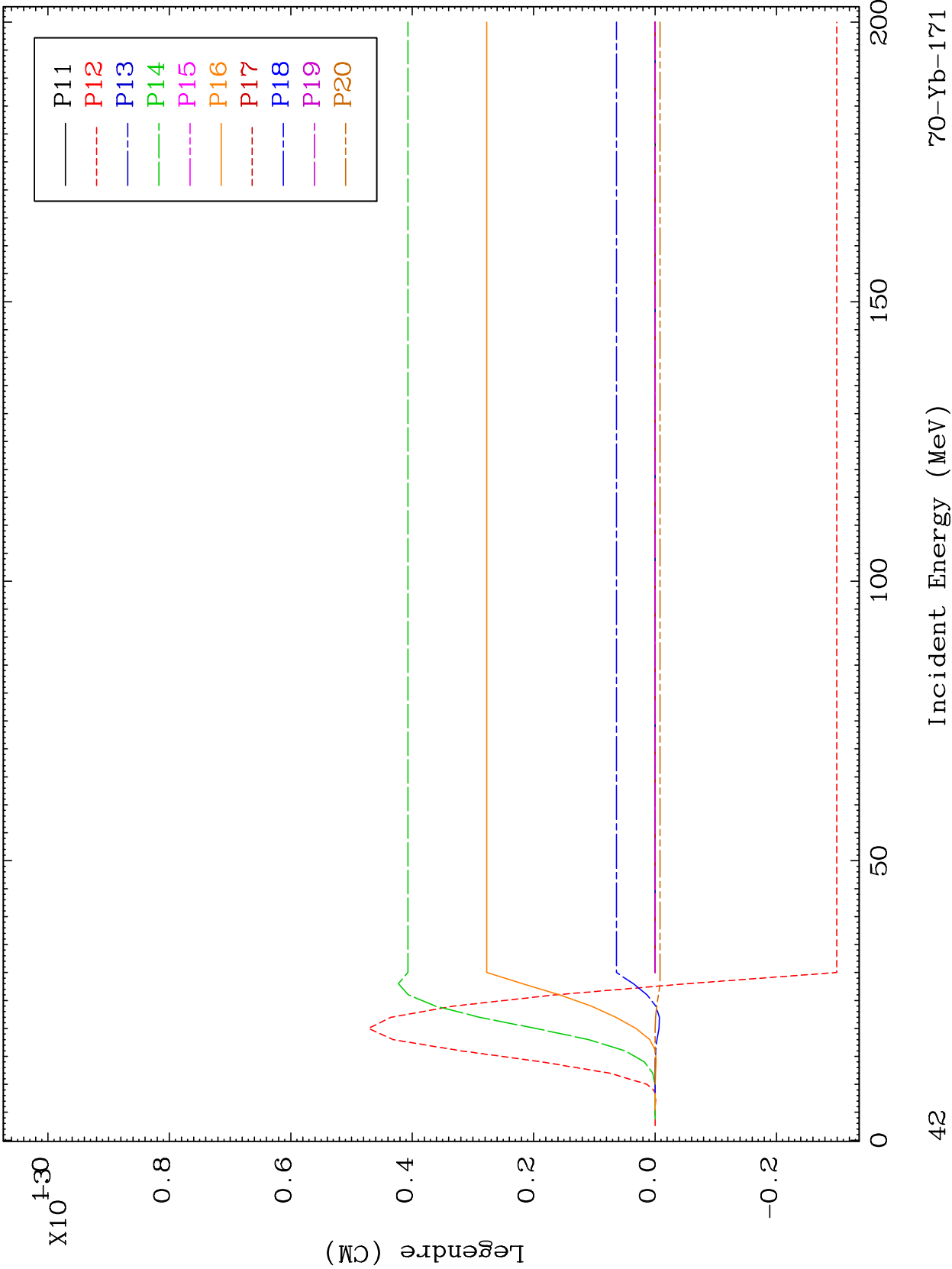




MAT 7034

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

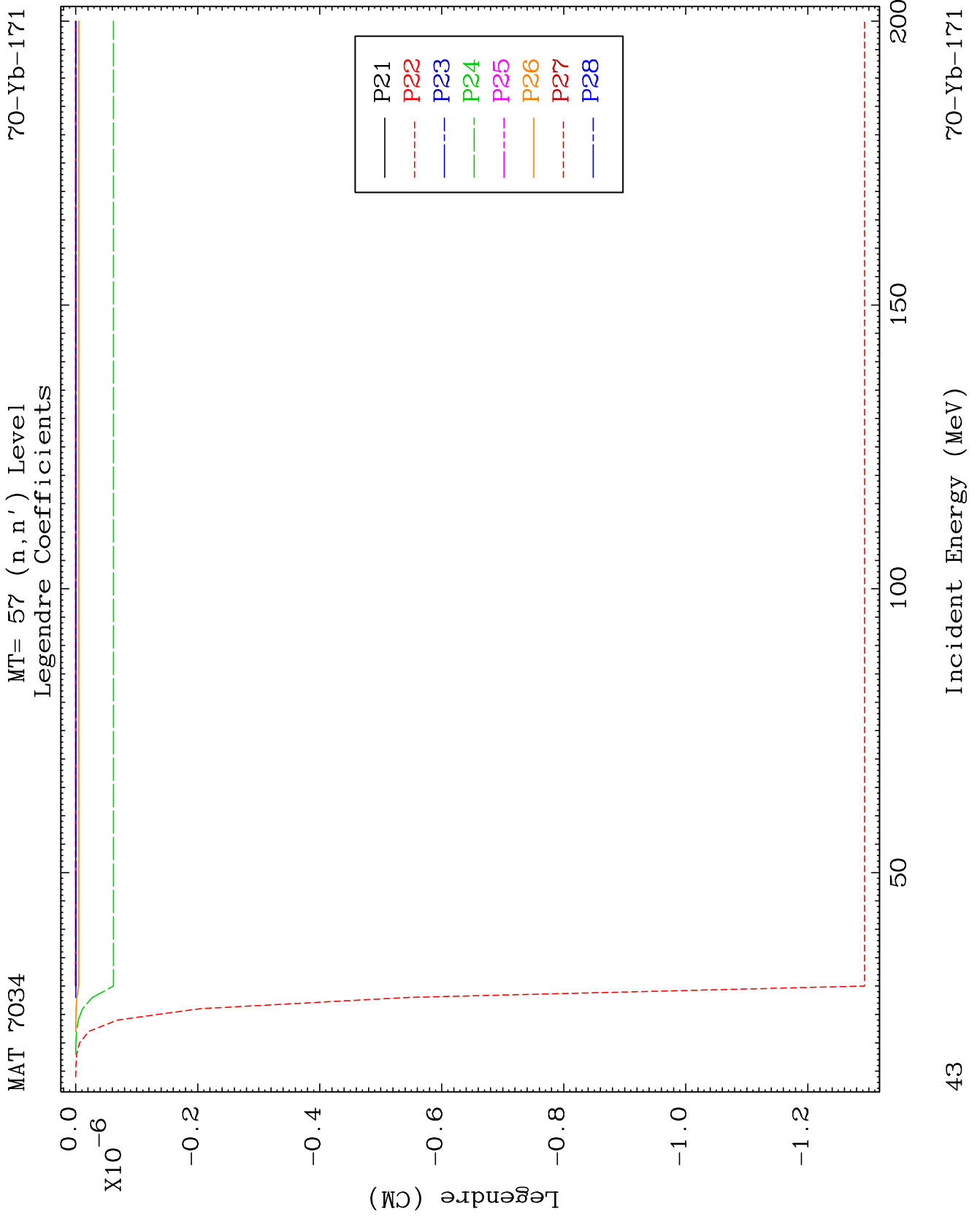
70-Yb-171



42

Incident Energy (MeV)

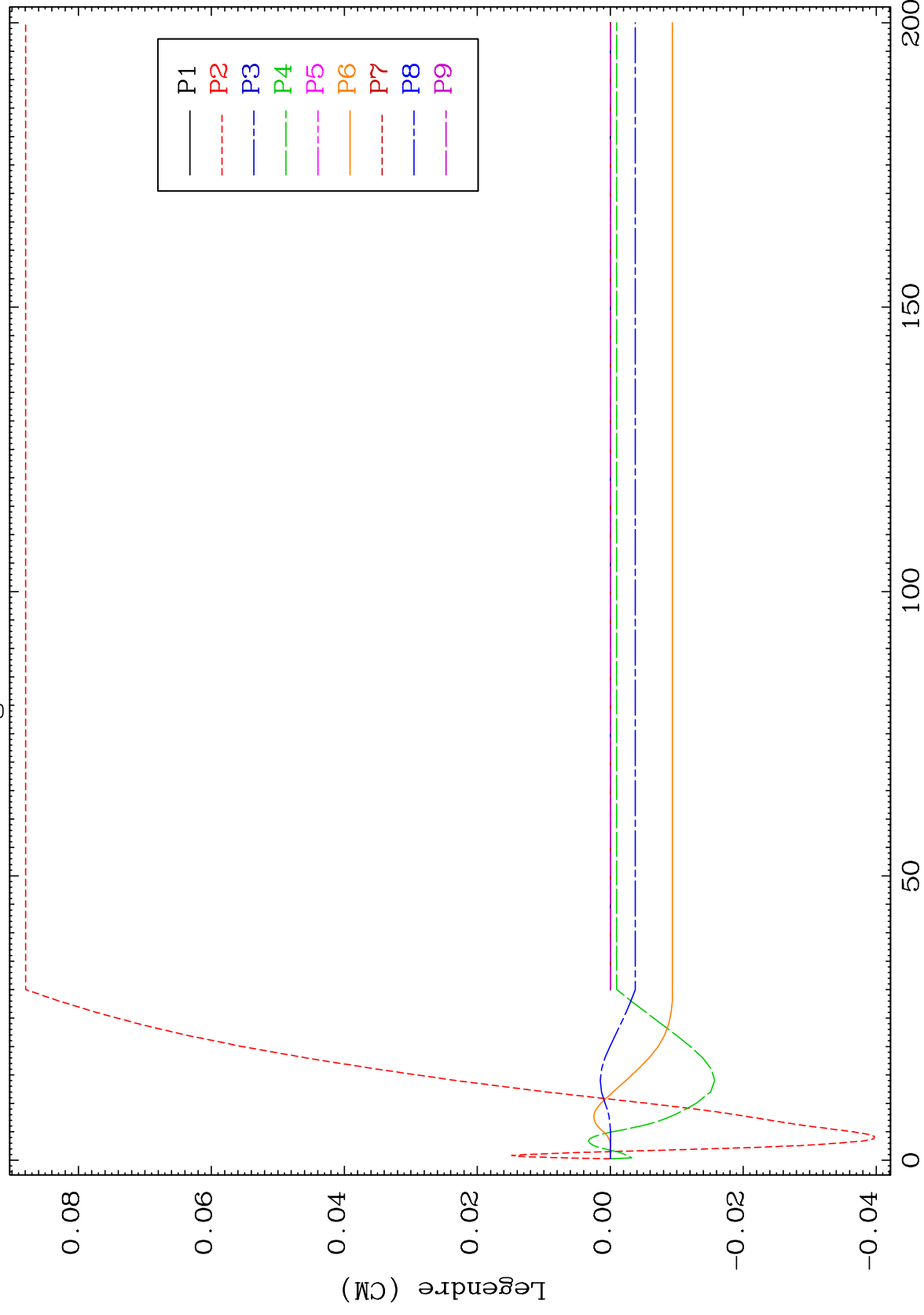
70-Yb-171



MAT 7034

MT= 58 (n,n') Level
Legendre Coefficients

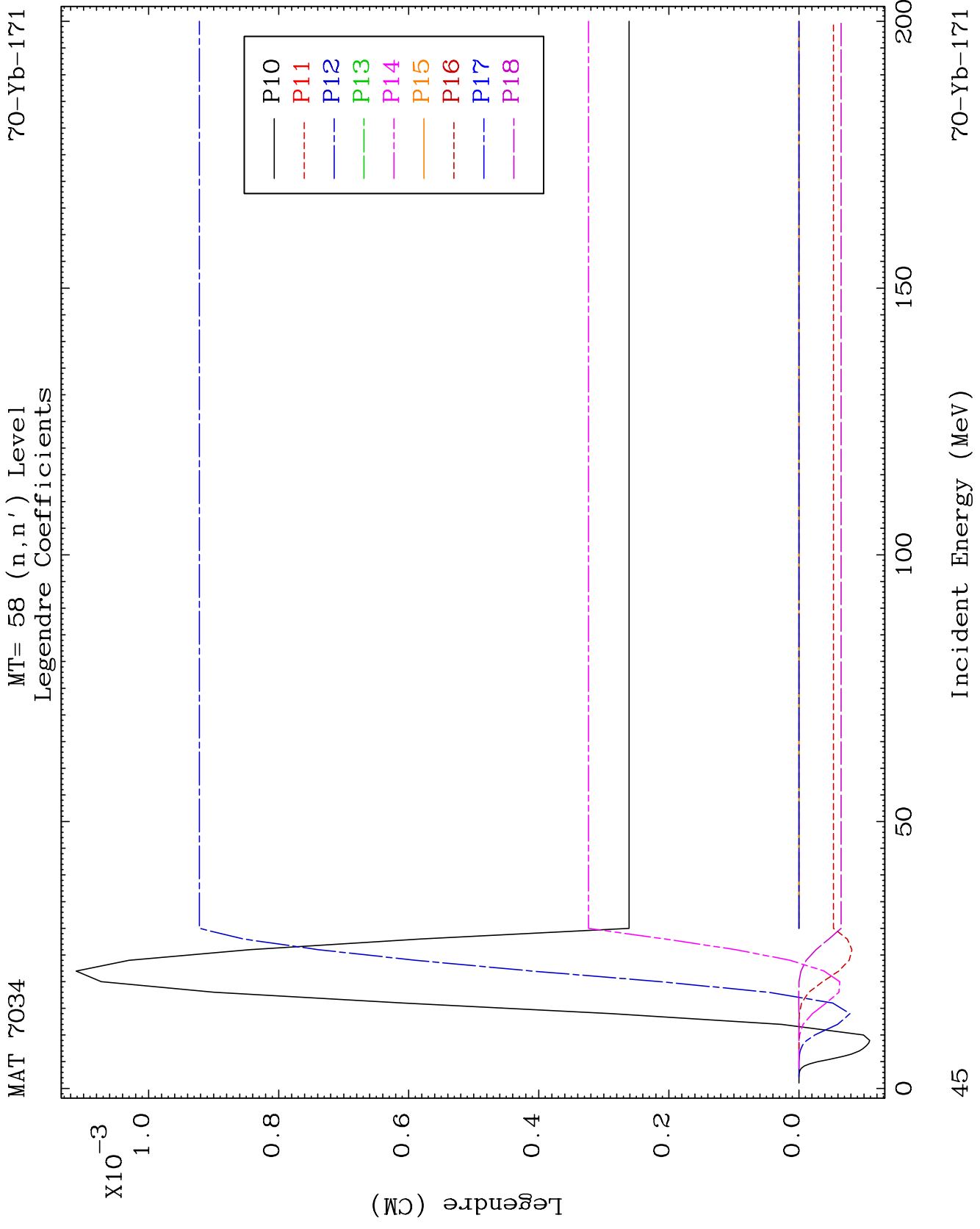
70-Yb-171



70-Yb-171

Incident Energy (MeV)

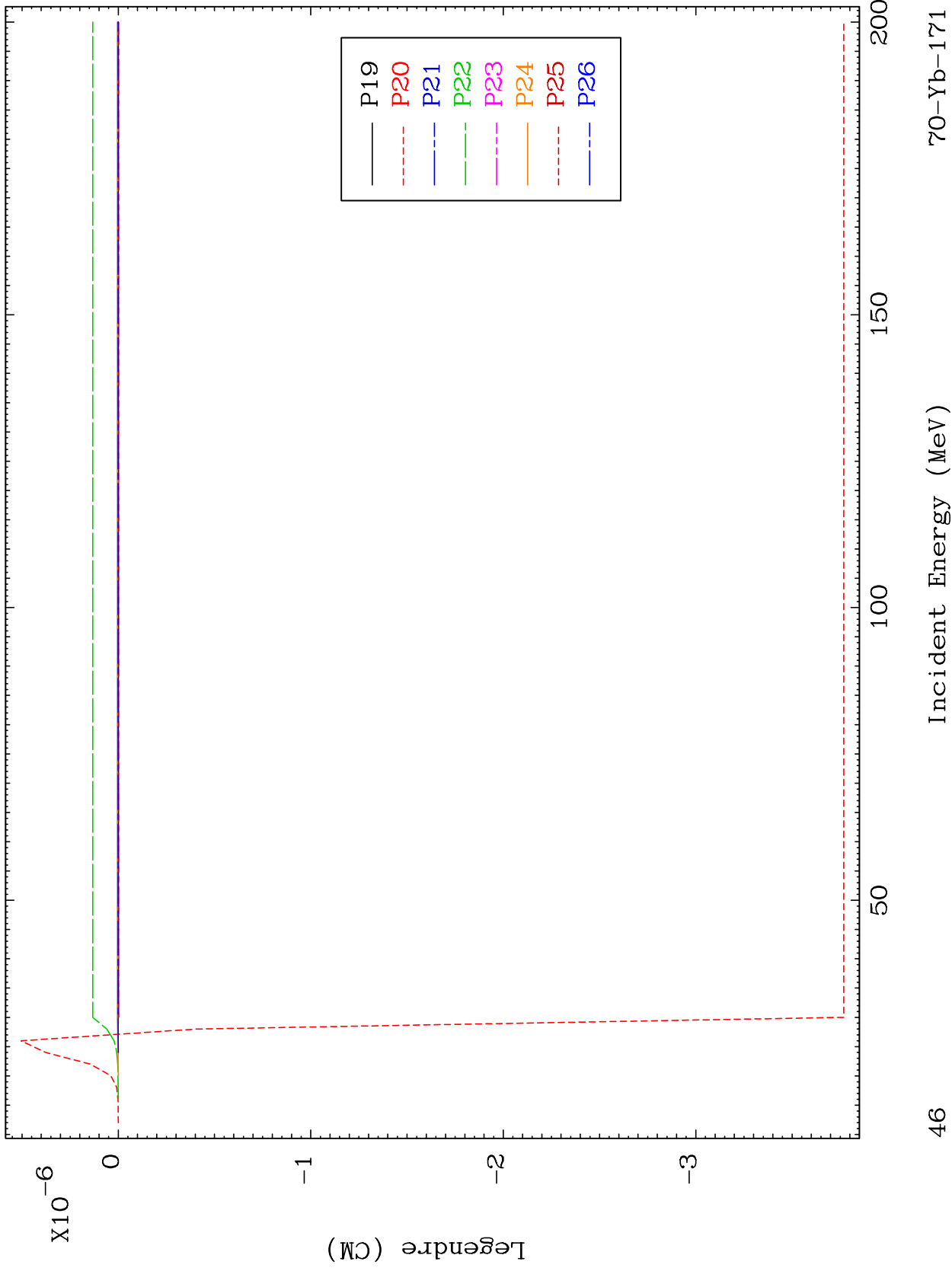
44



MAT 7034

MT= 58 (n,n') Level
Legendre Coefficients

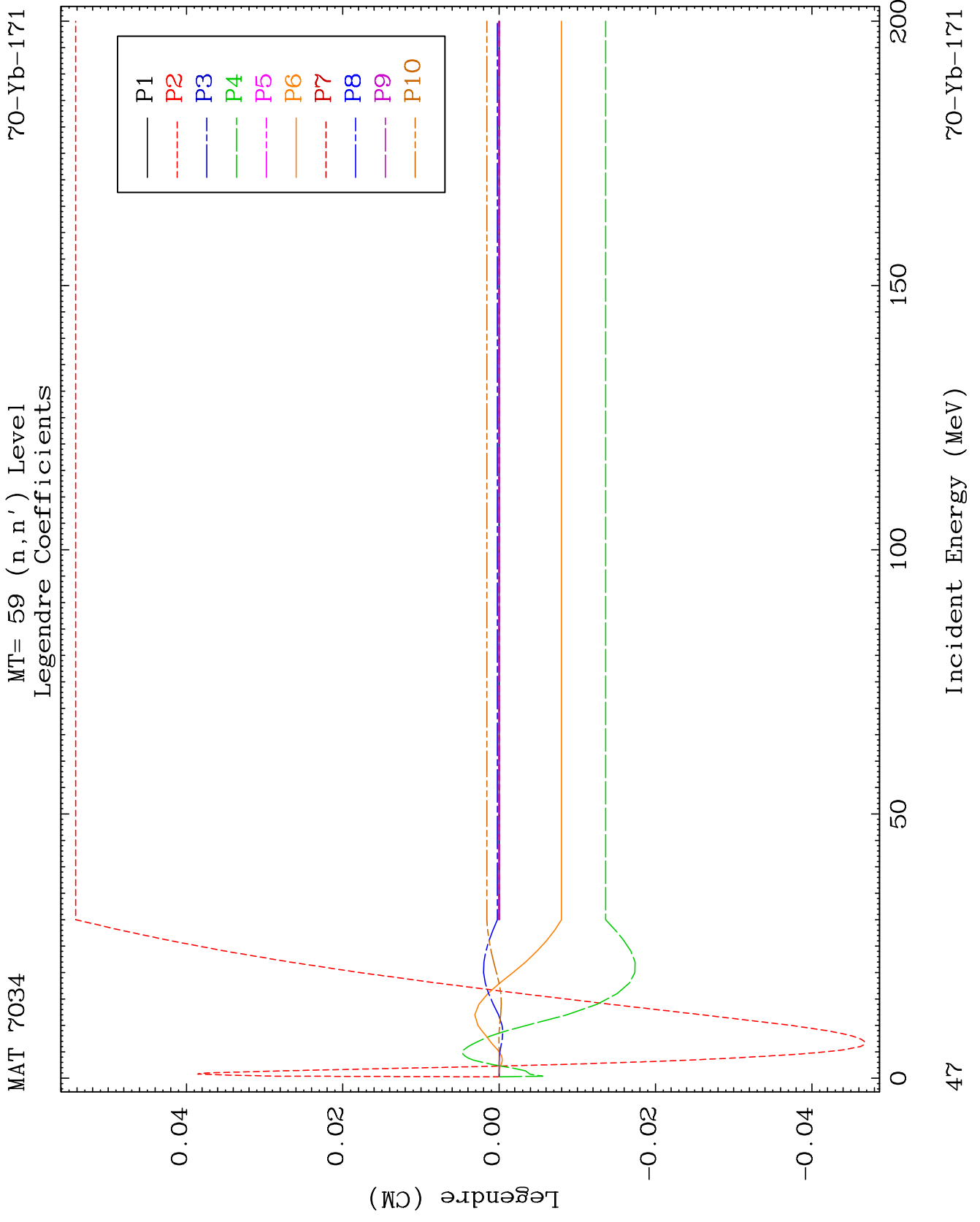
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46

Incident Energy (MeV)

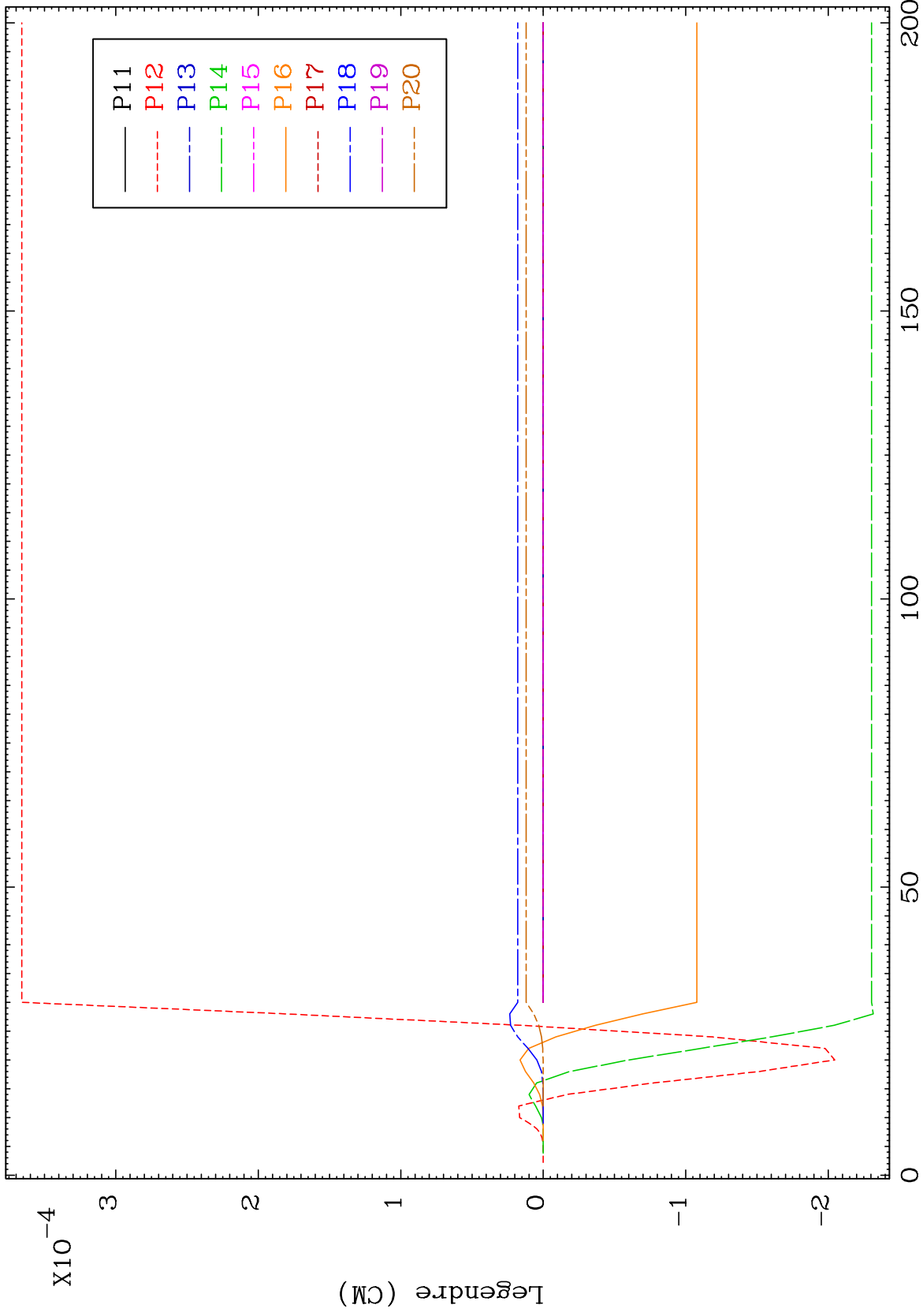
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MAT 7034

MT= 59 (n,n') Level
Legendre Coefficients

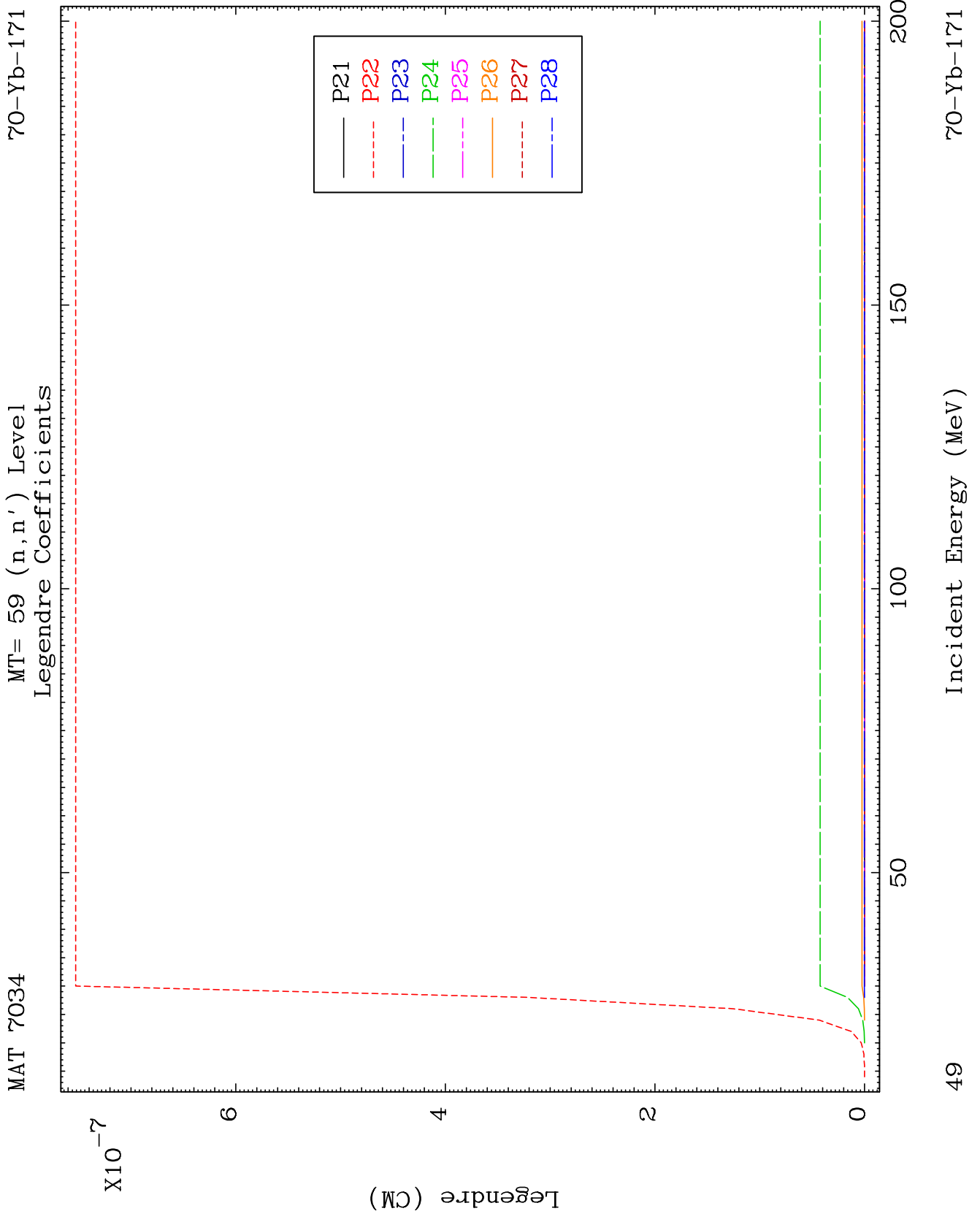
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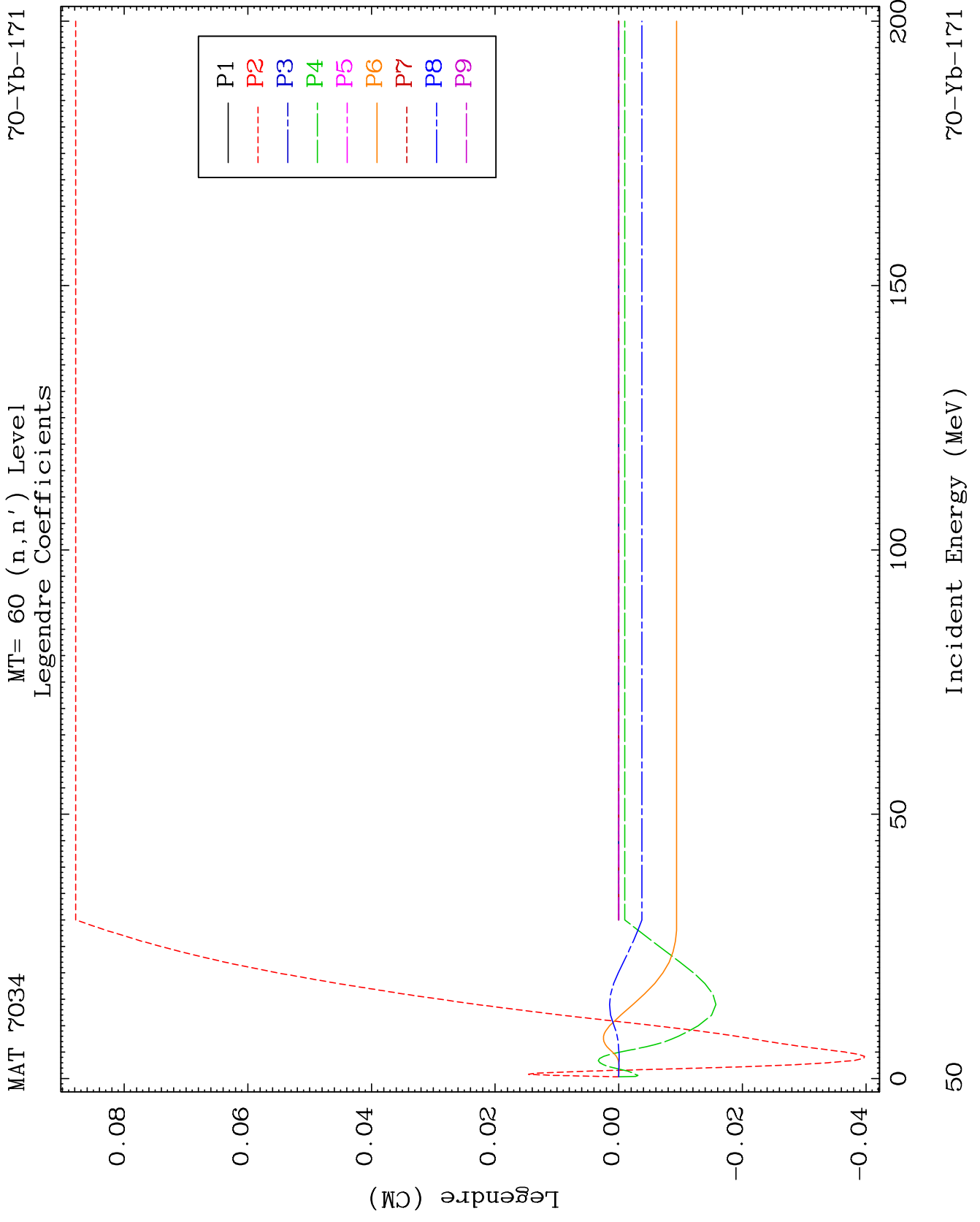


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Incident Energy (MeV)

70-Yb-171

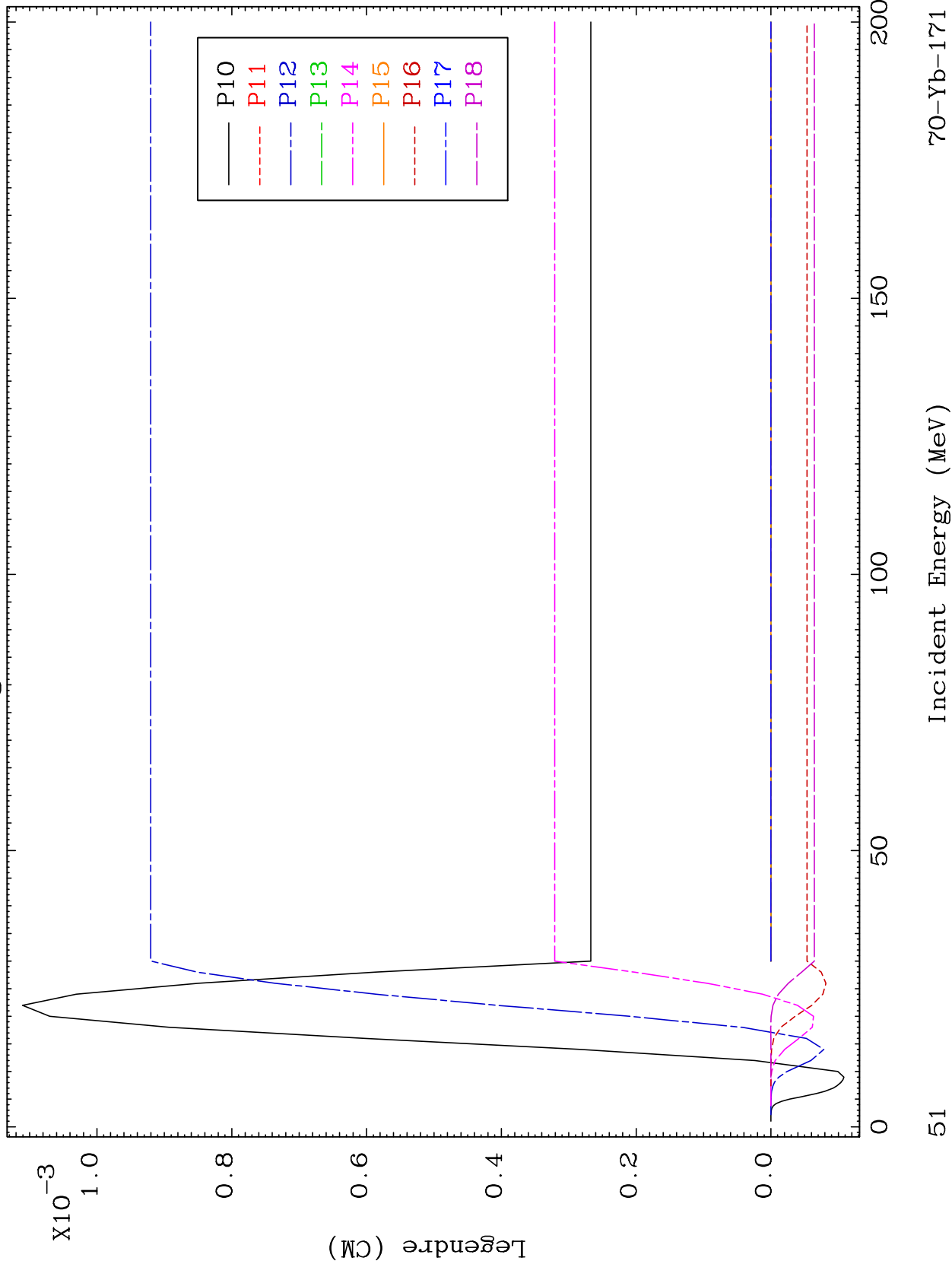




MAT 7034

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

70-Yb-171



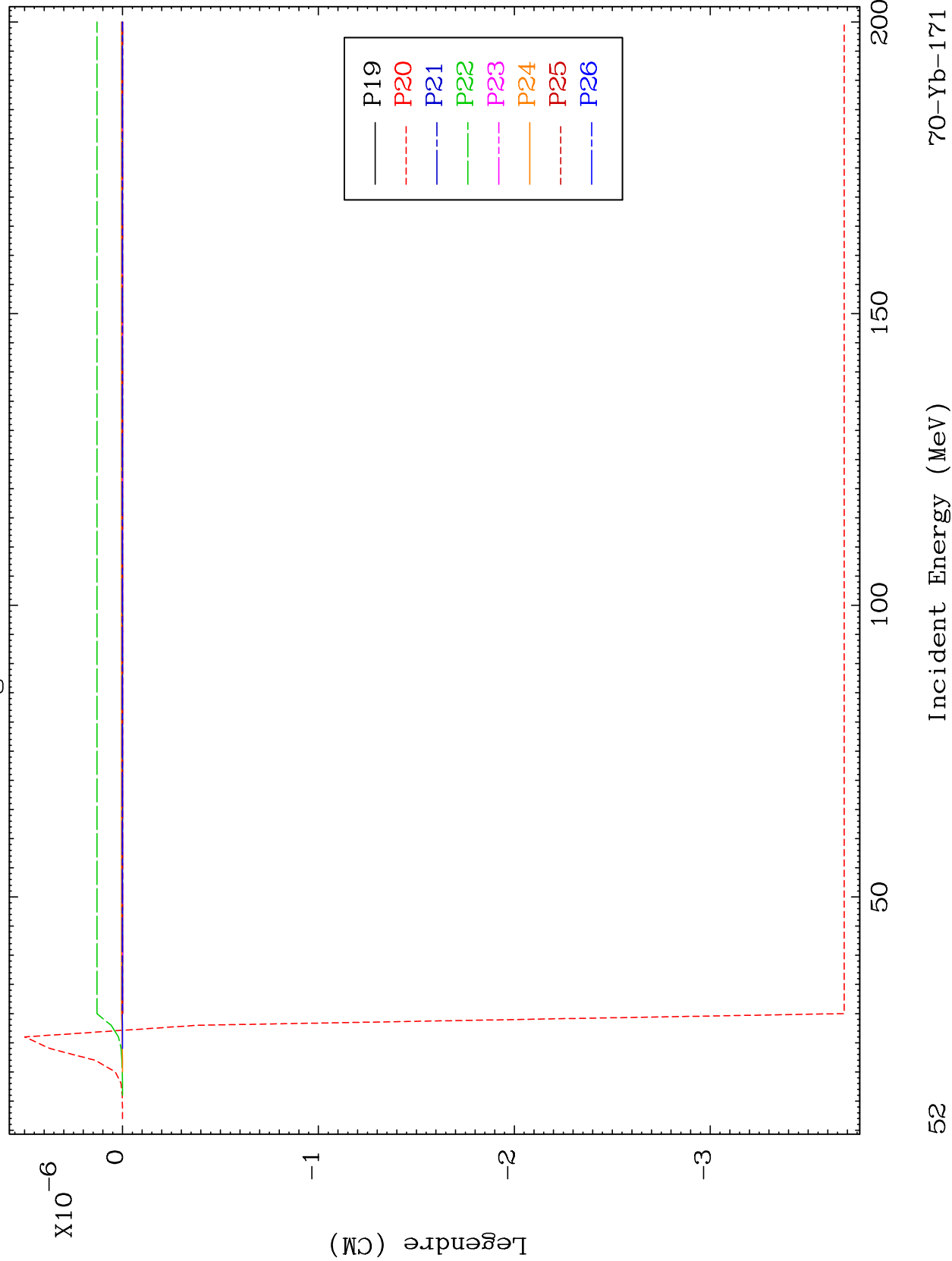
51

70-Yb-171

MAT 7034

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

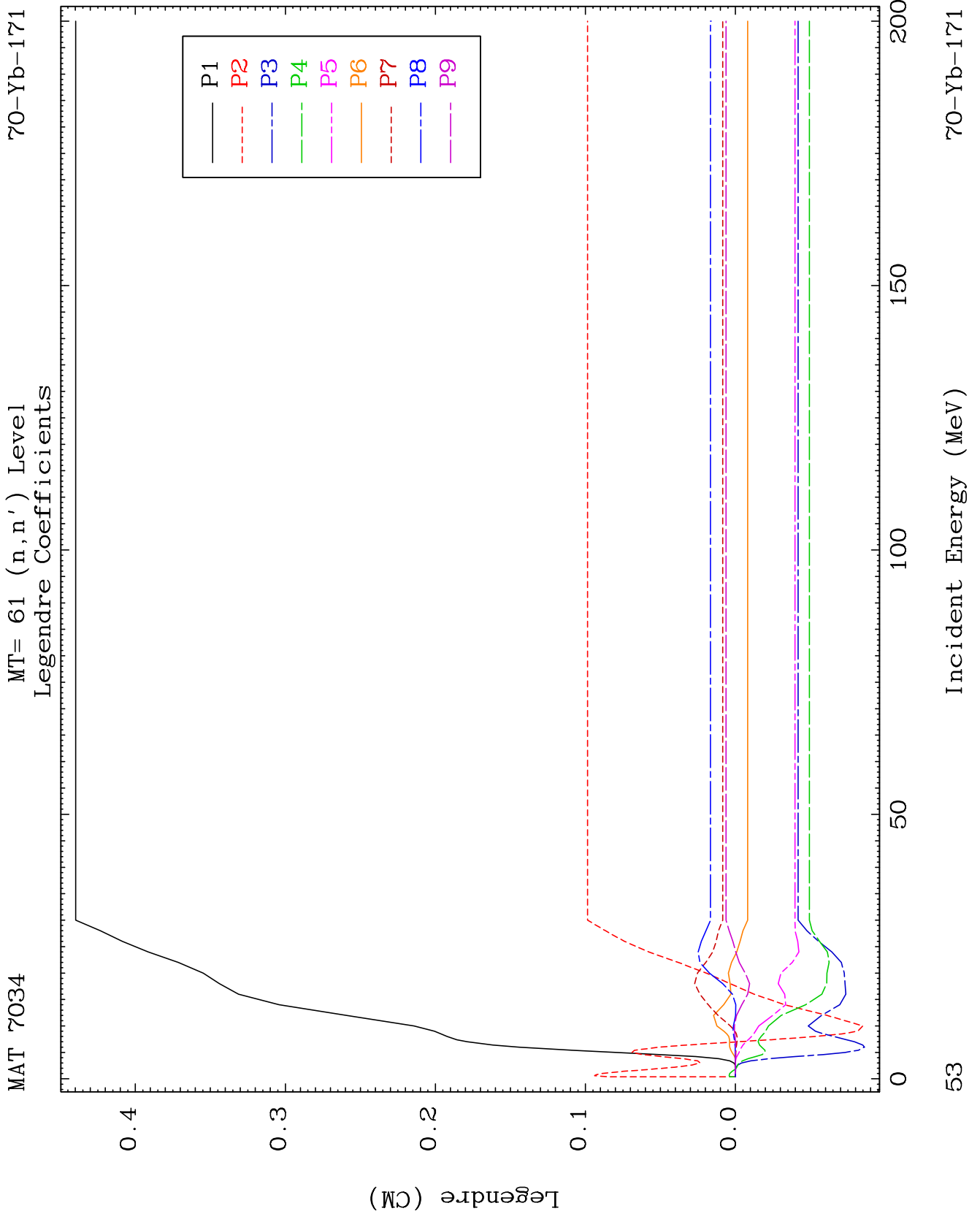
70-Yb-171



52

Incident Energy (MeV)

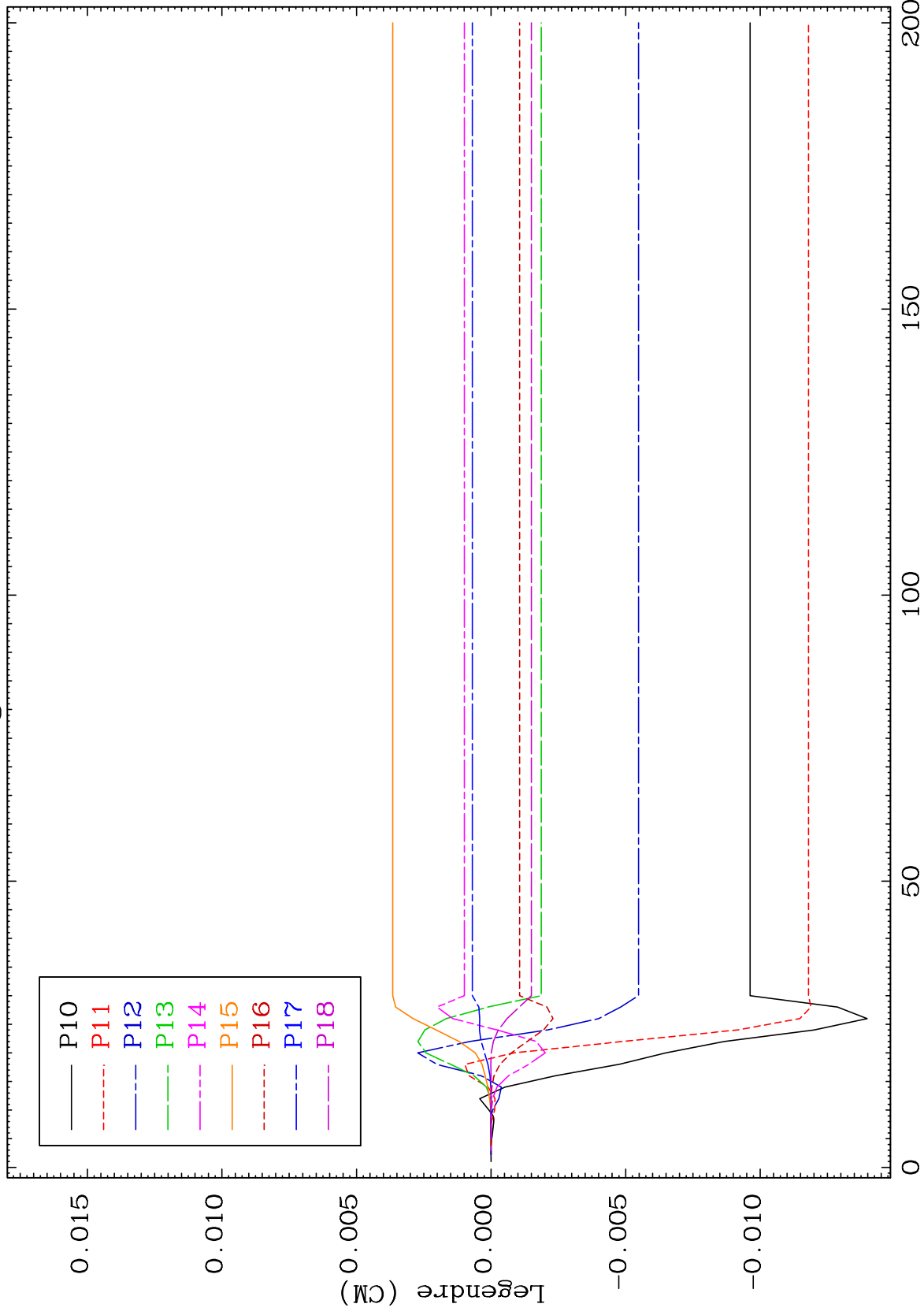
70-Yb-171



MAT 7034

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

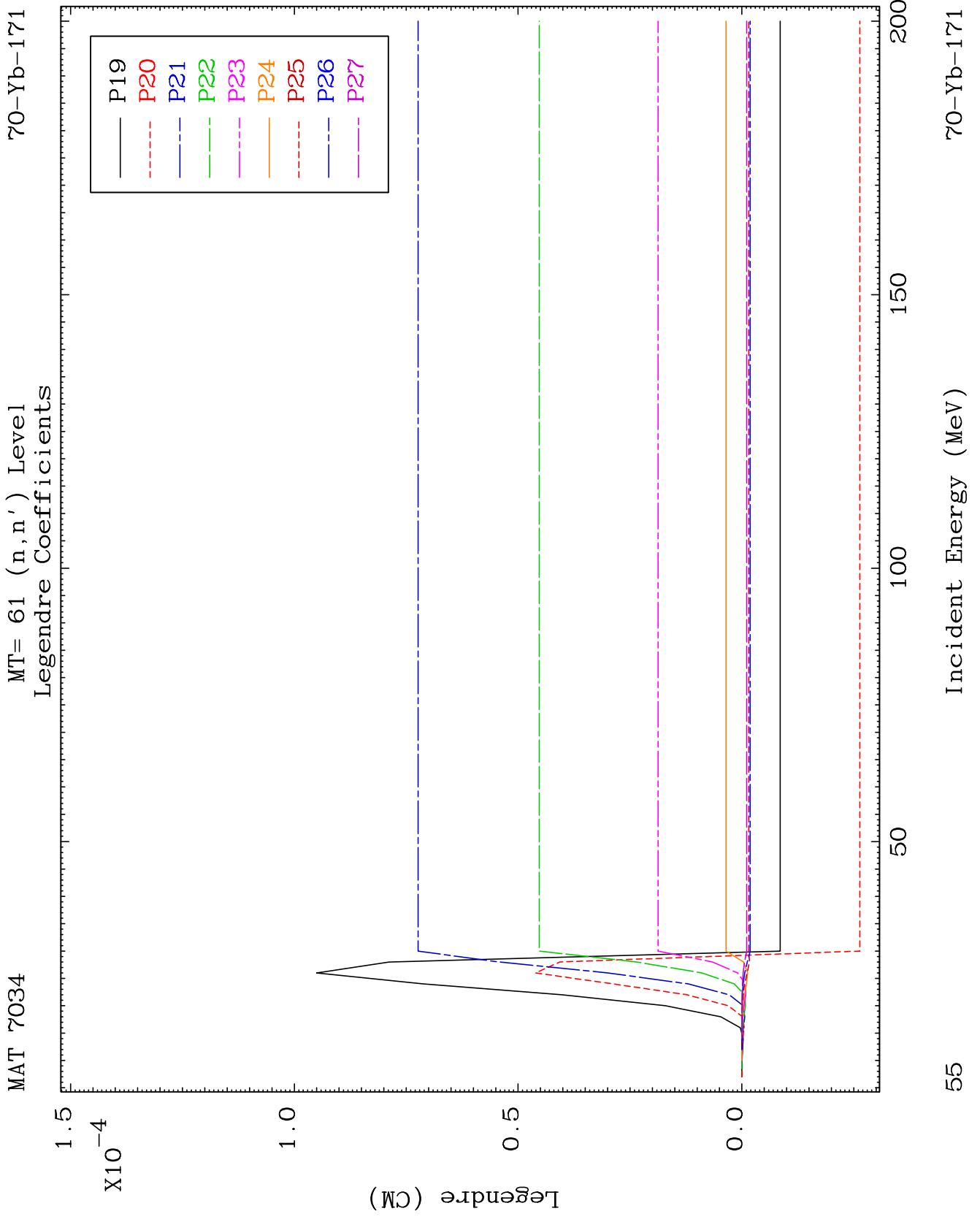
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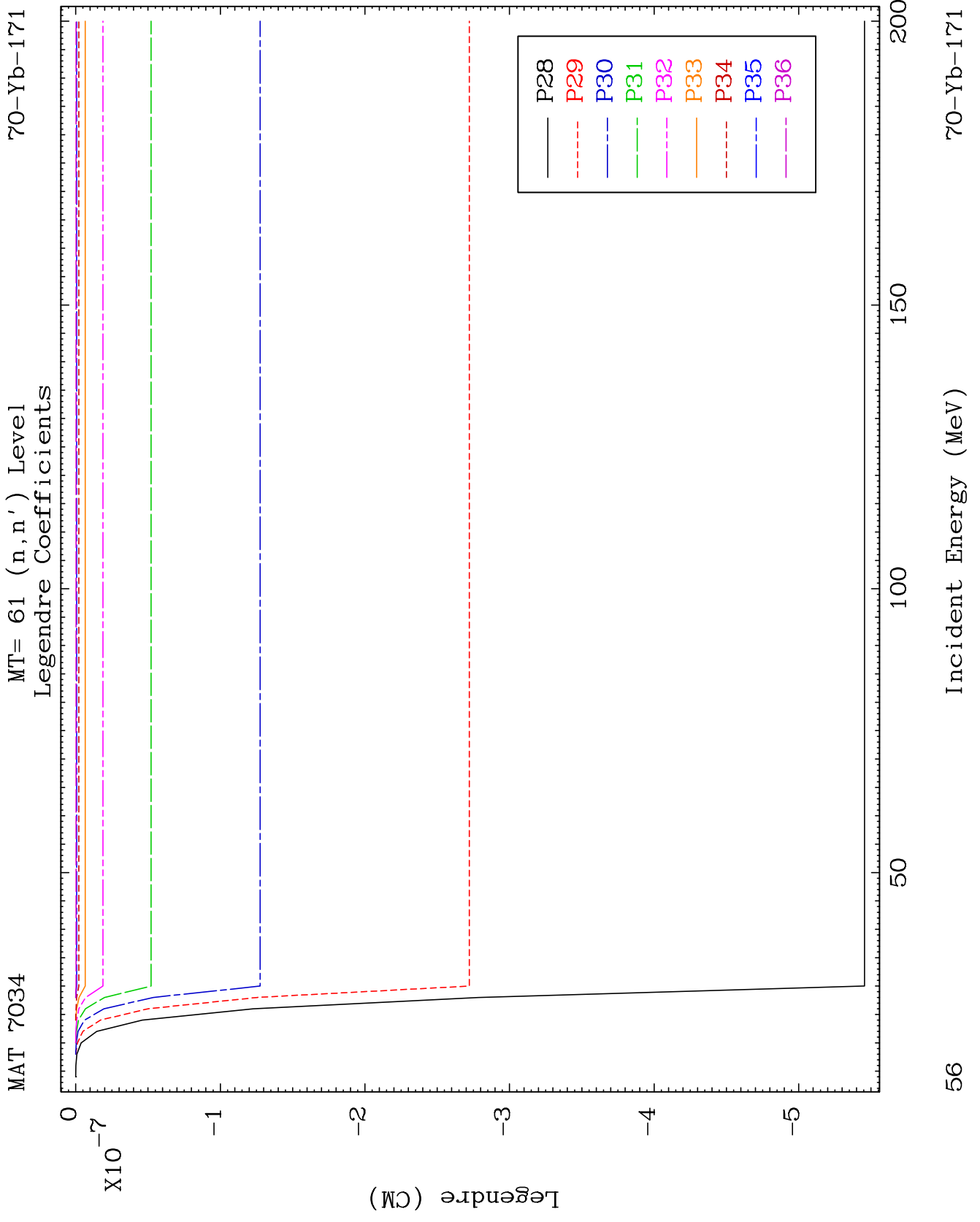


54

Incident Energy (MeV)

70-Yb-171

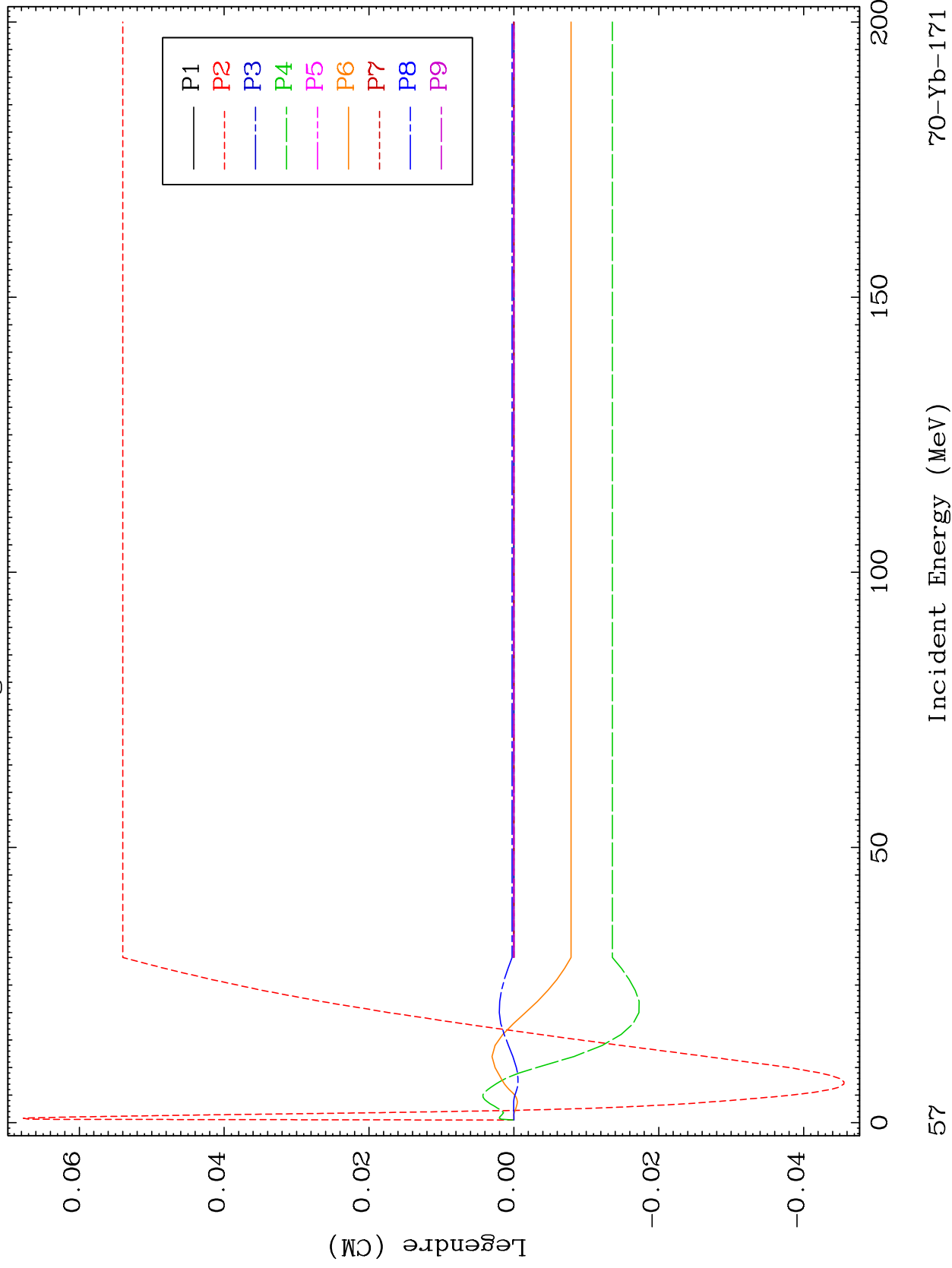




MAT 7034

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

70-Yb-171



57

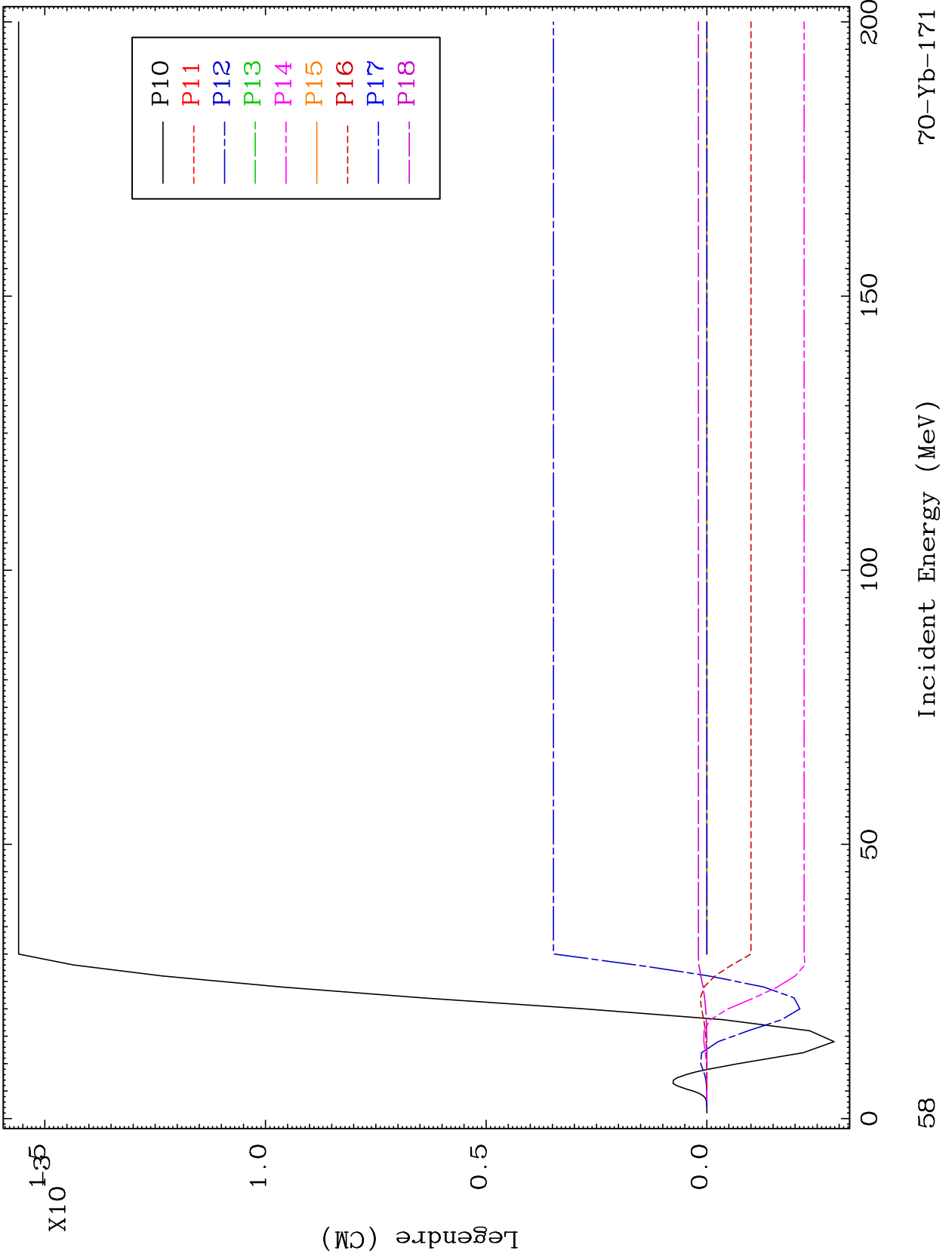
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

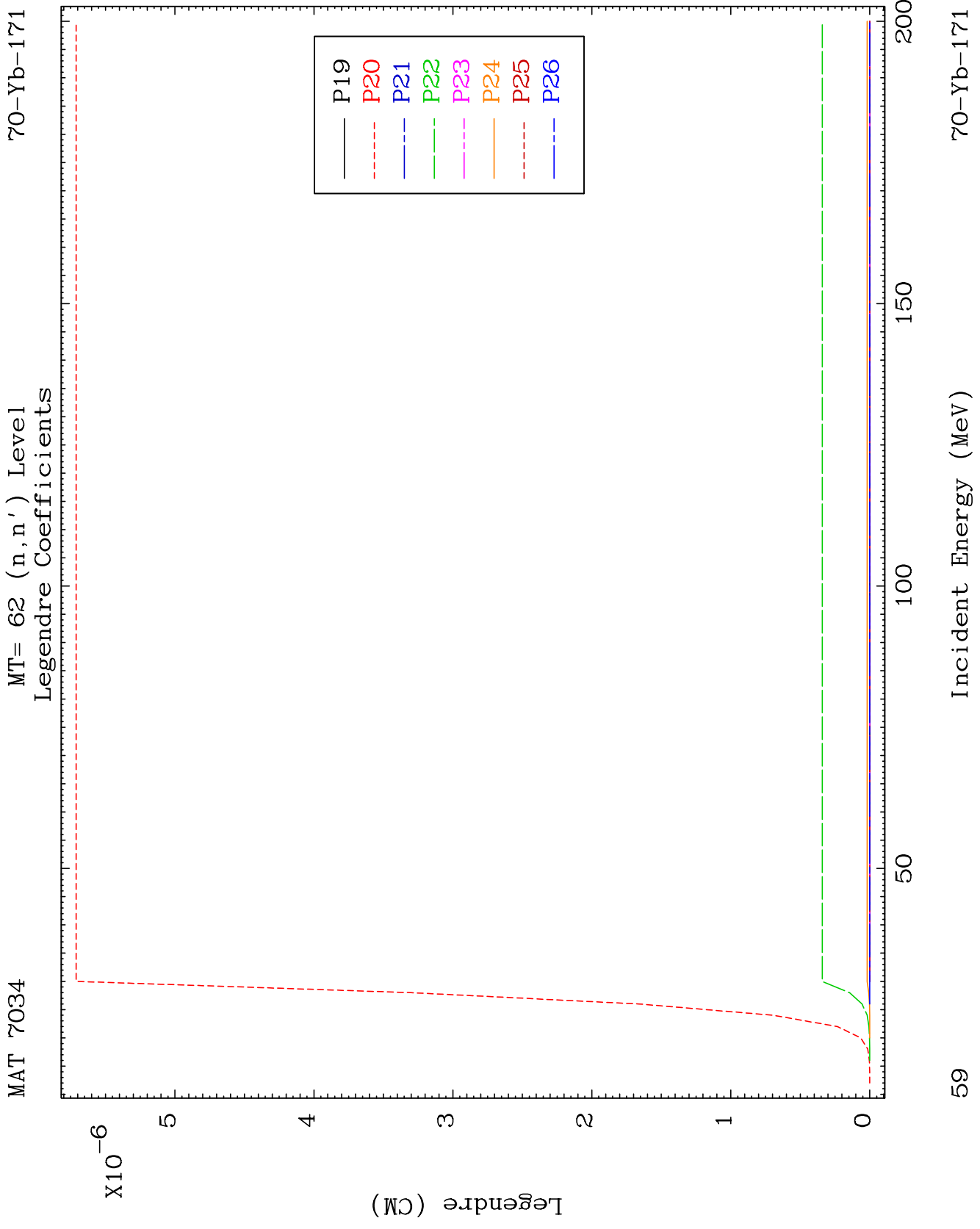
70-Yb-171



58

Incident Energy (MeV)

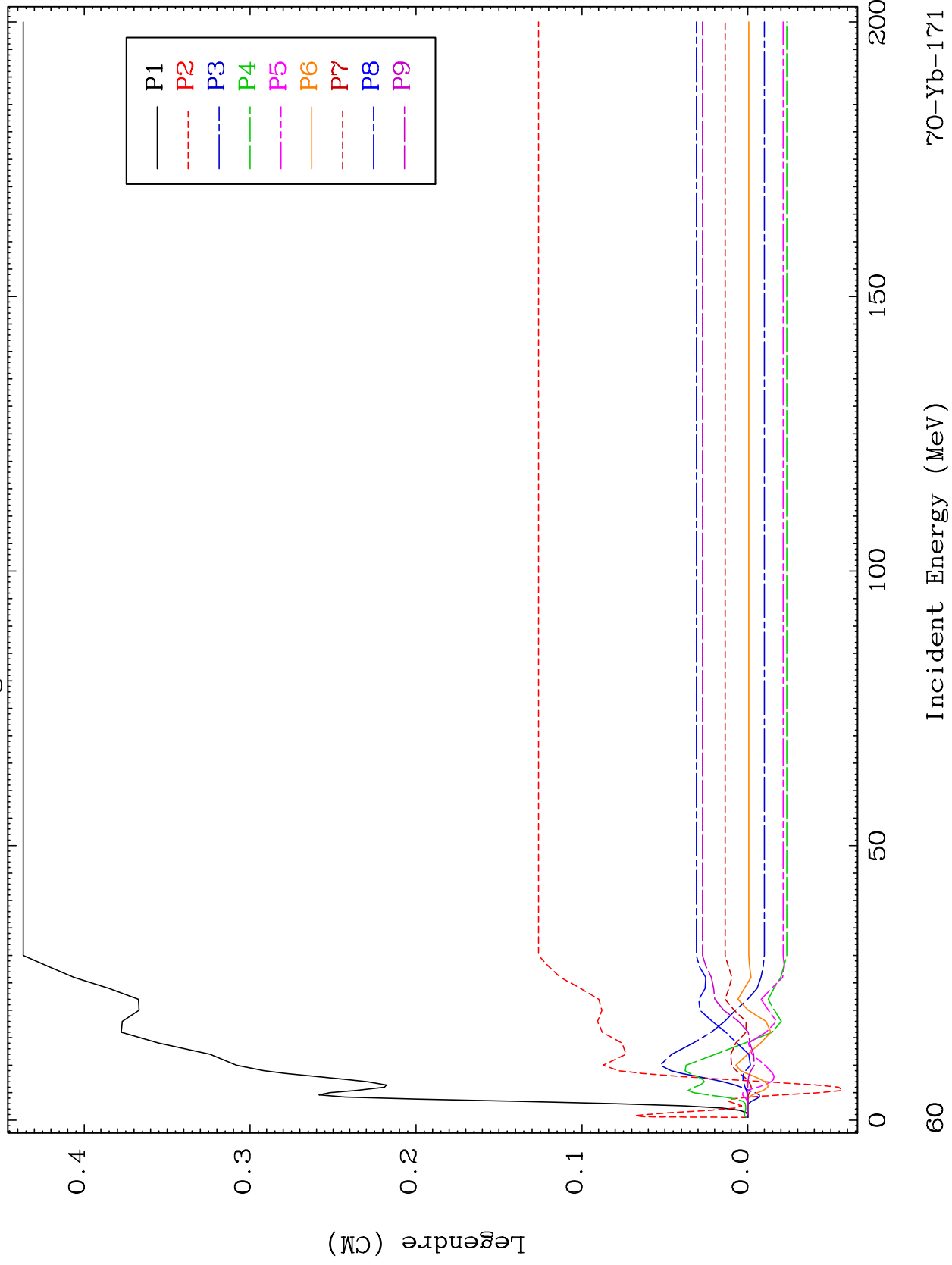
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MAT 7034

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

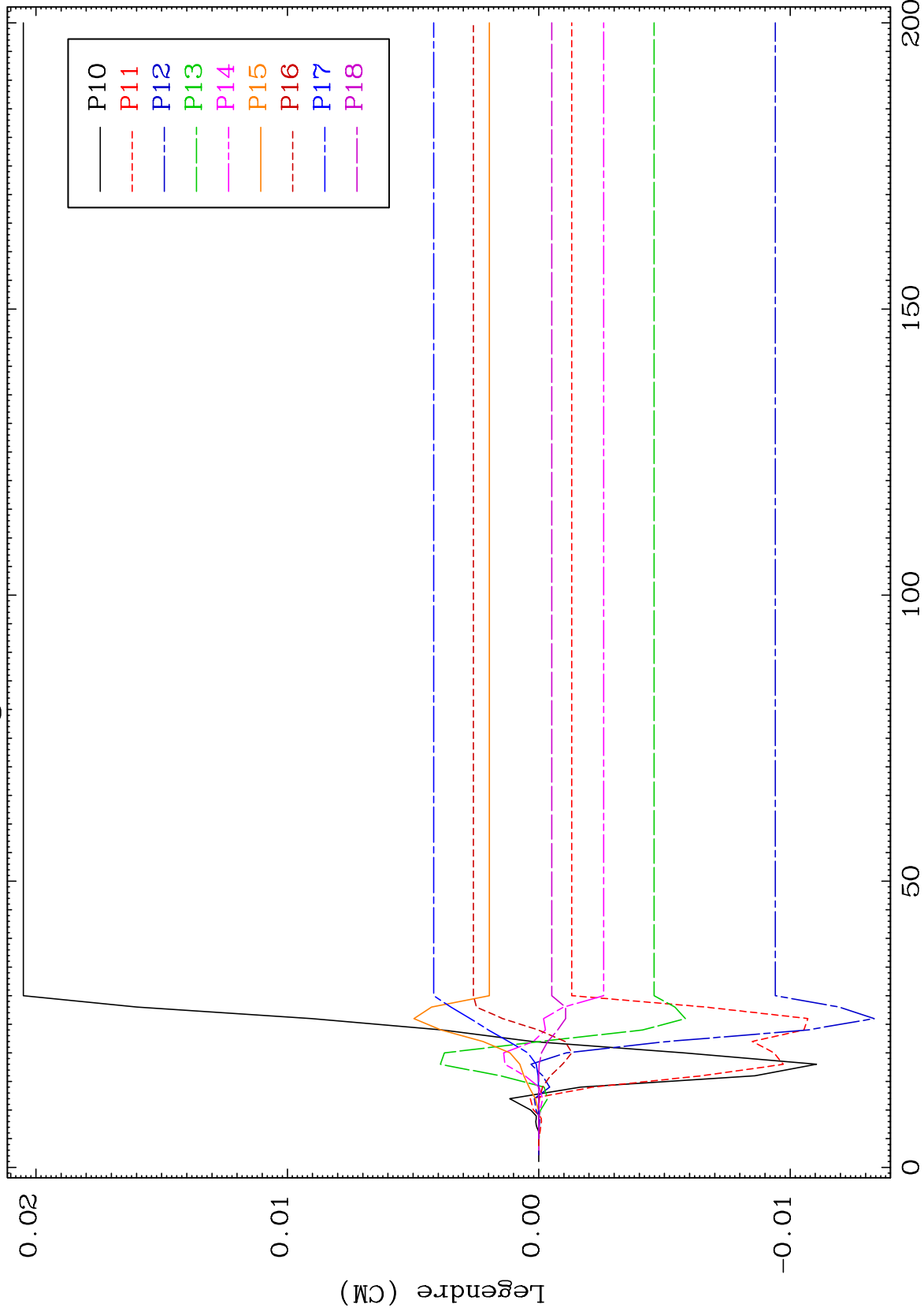
70-Yb-171



MAT 7034

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

70-Yb-171



61

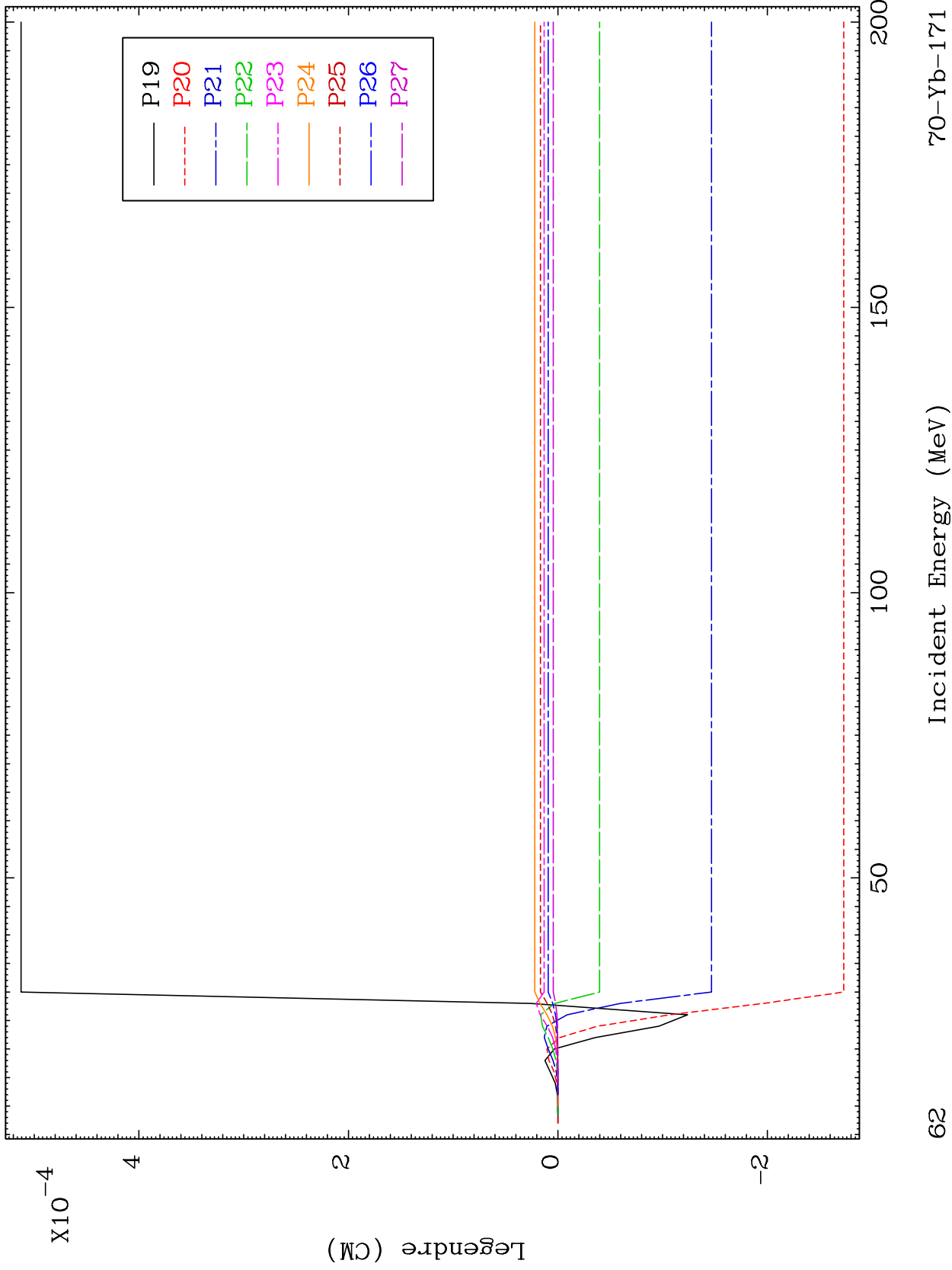
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171



62

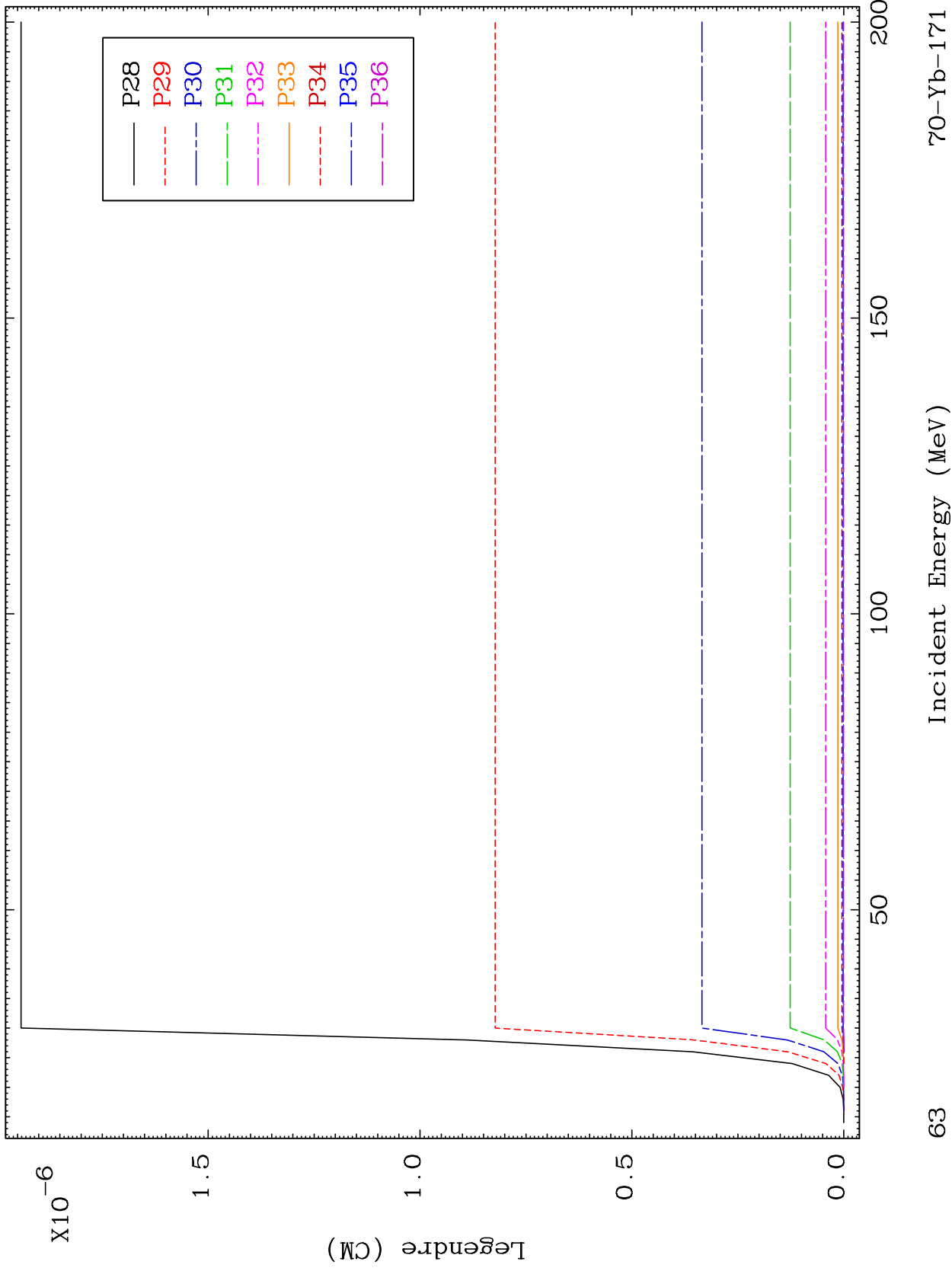
Incident Energy (MeV)

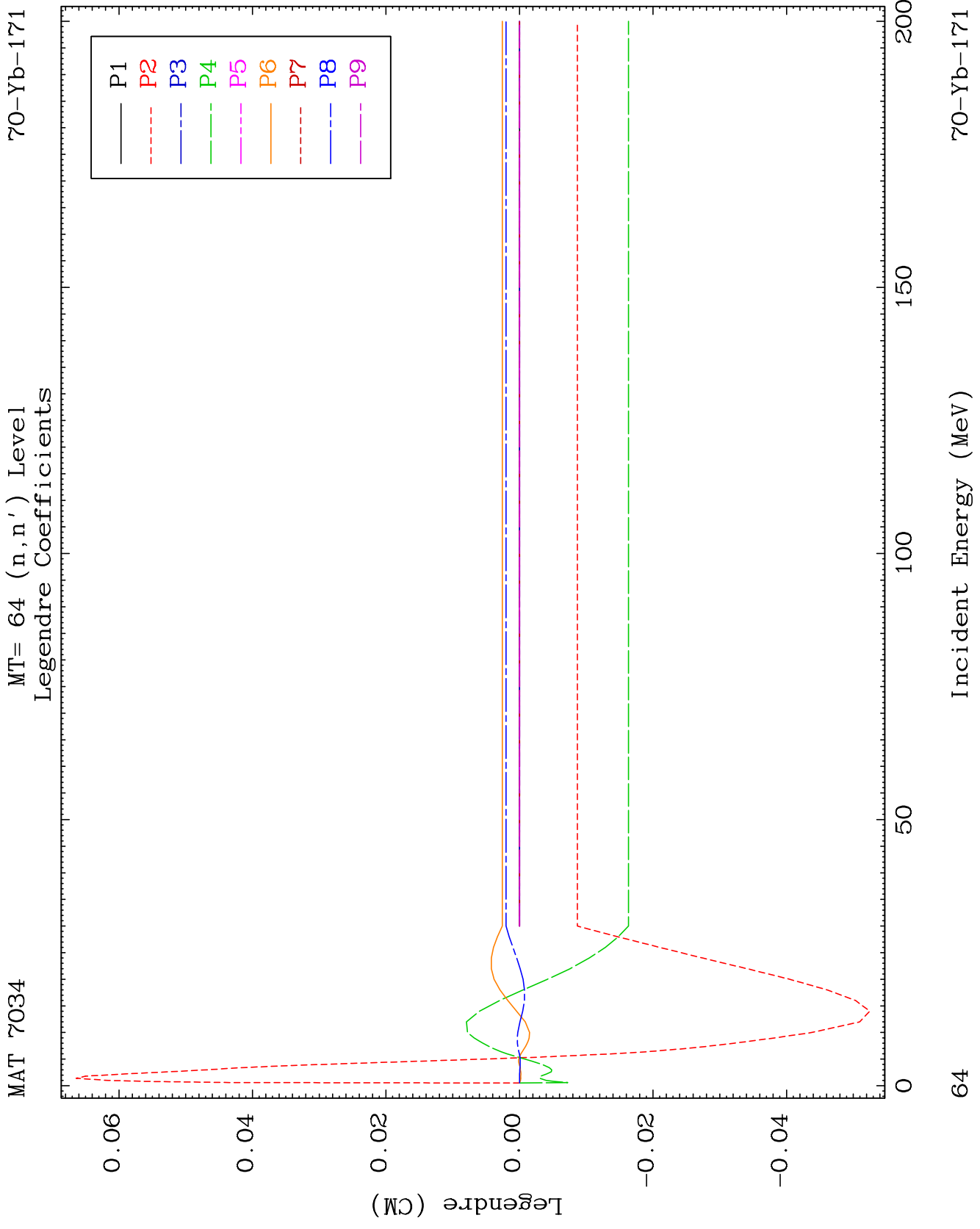
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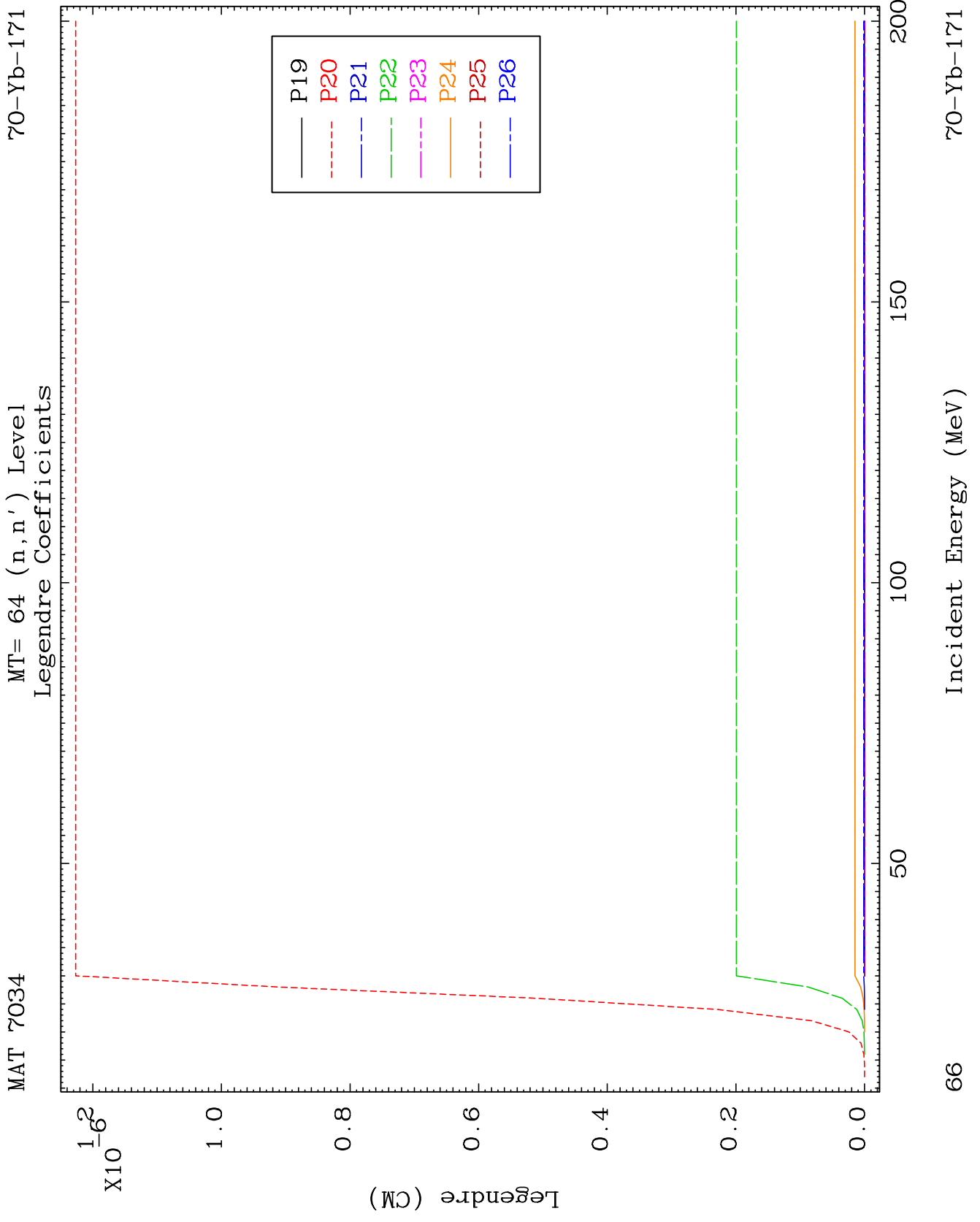
MAT 7034

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

70-Yb-171



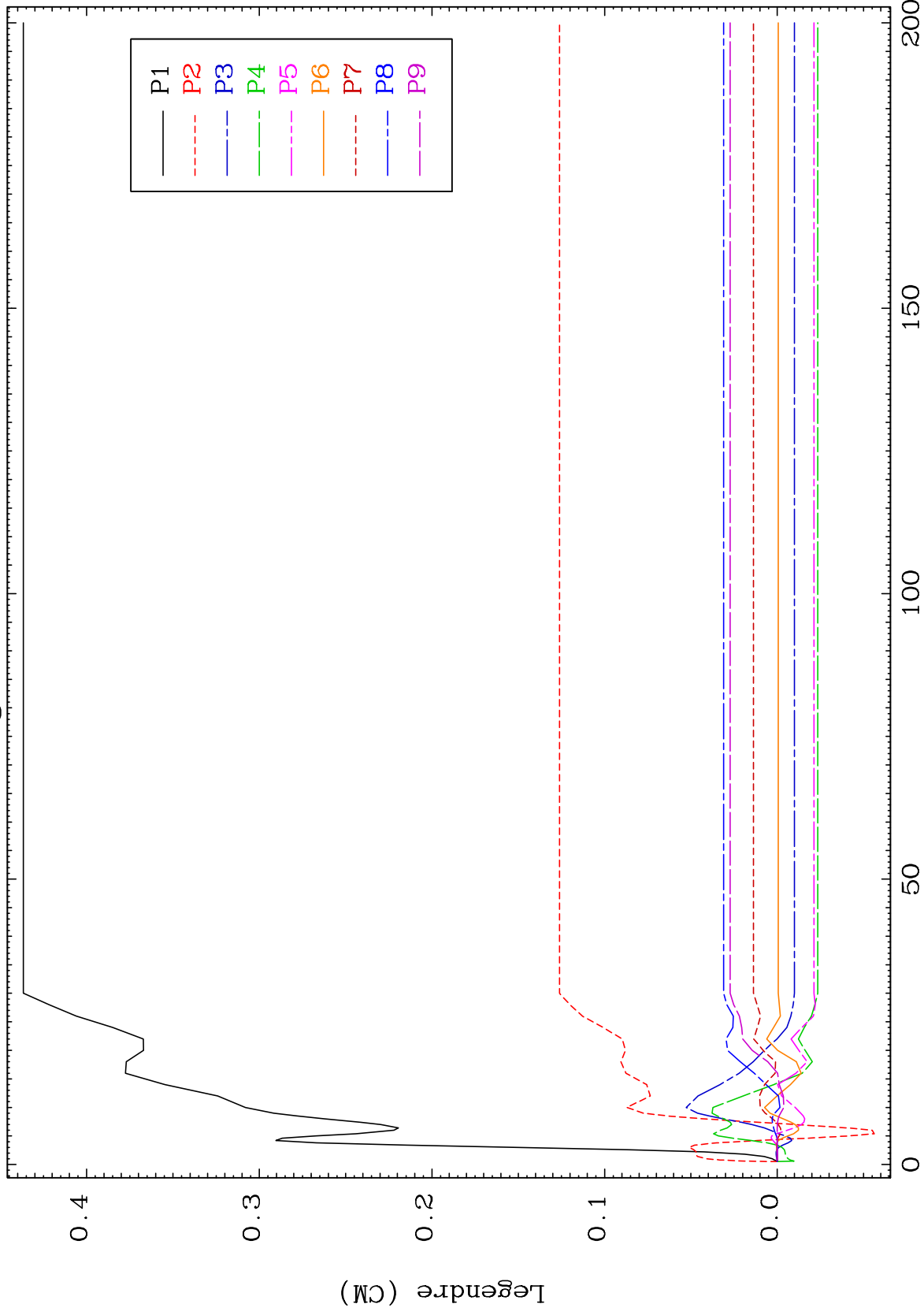




MAT 7034

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

70-Yb-171



67

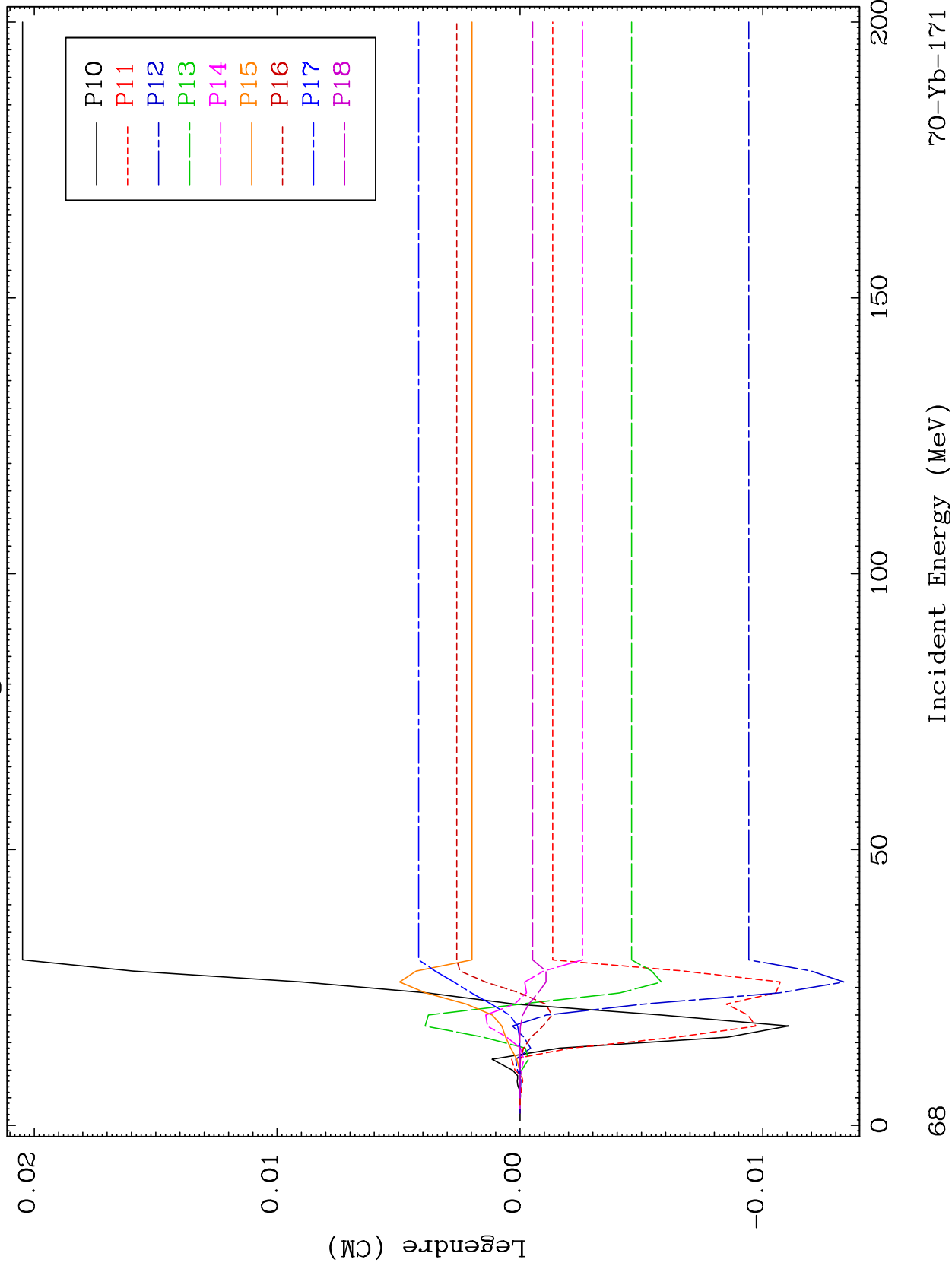
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171



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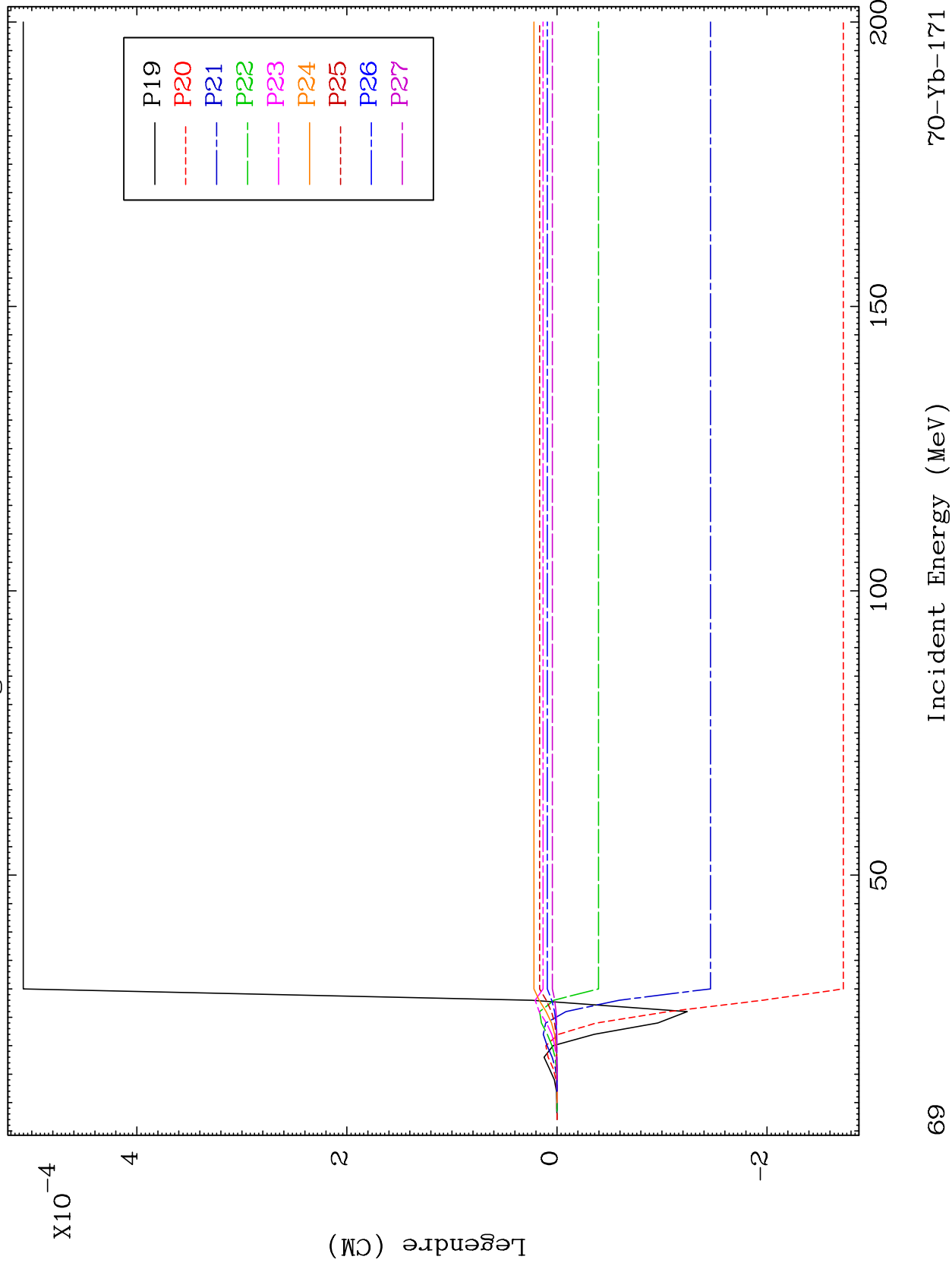
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

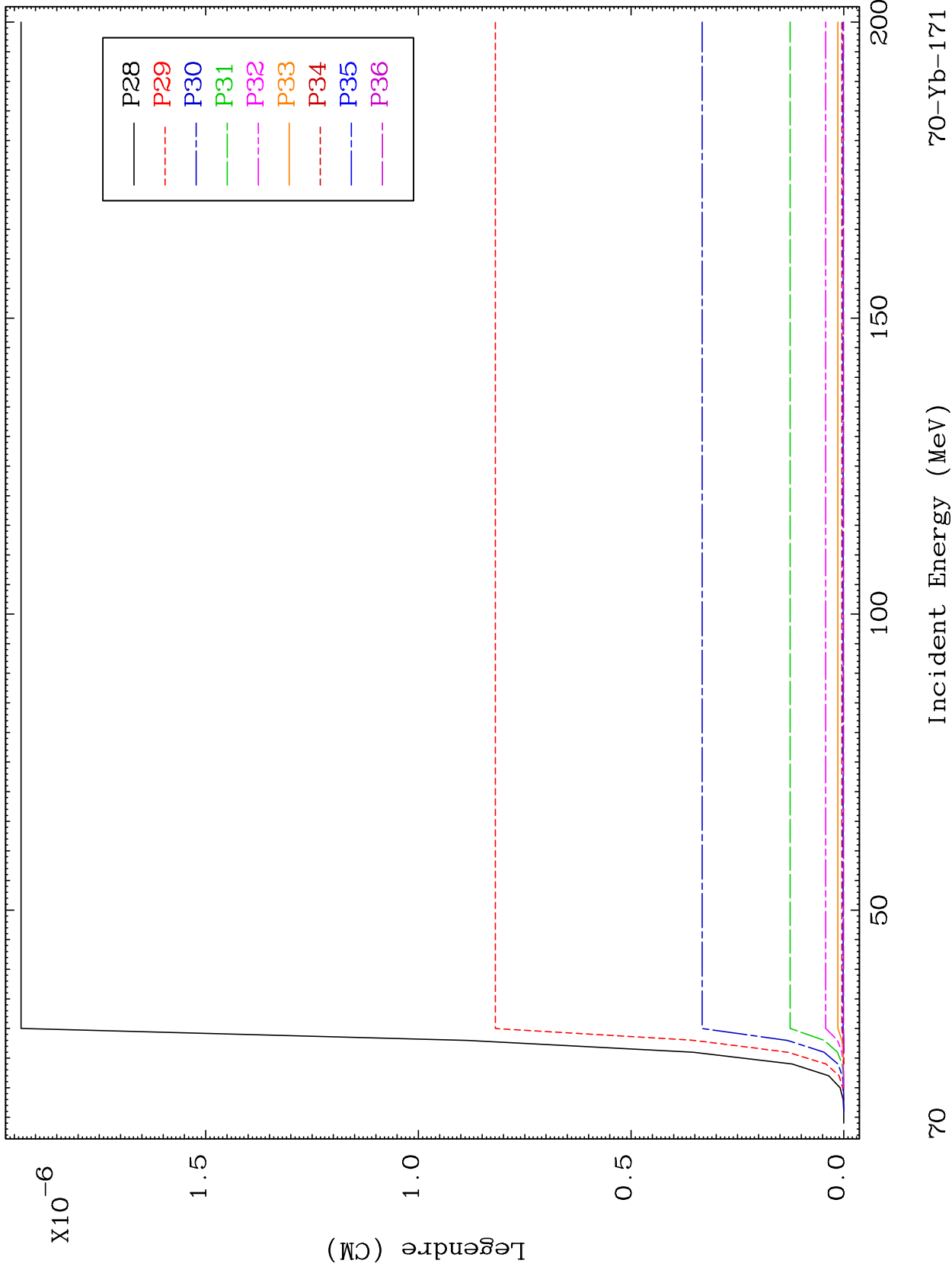
70-Yb-171



MAT 7034

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

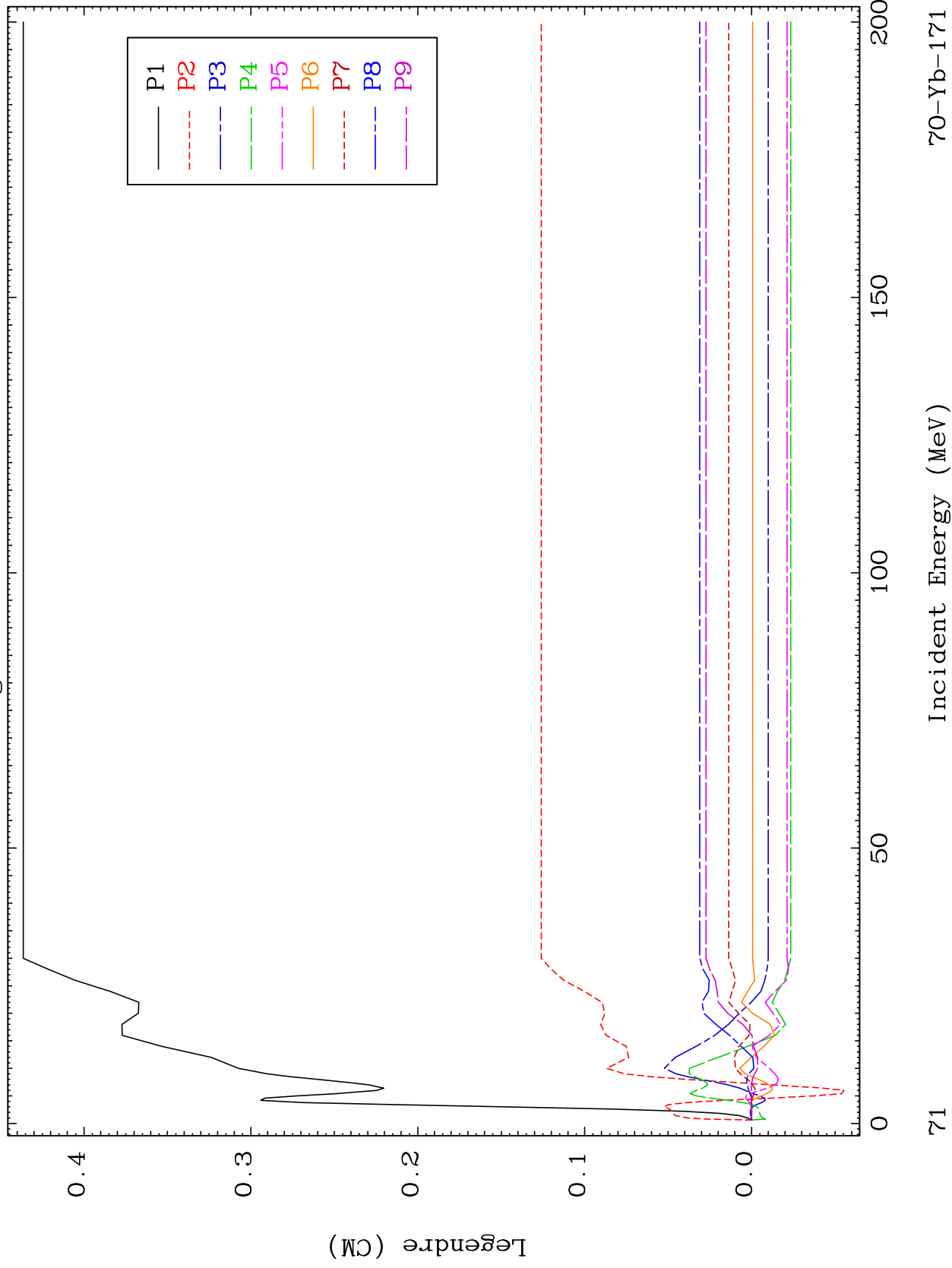
70-Yb-171



MAT 7034

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

70-Yb-171



71

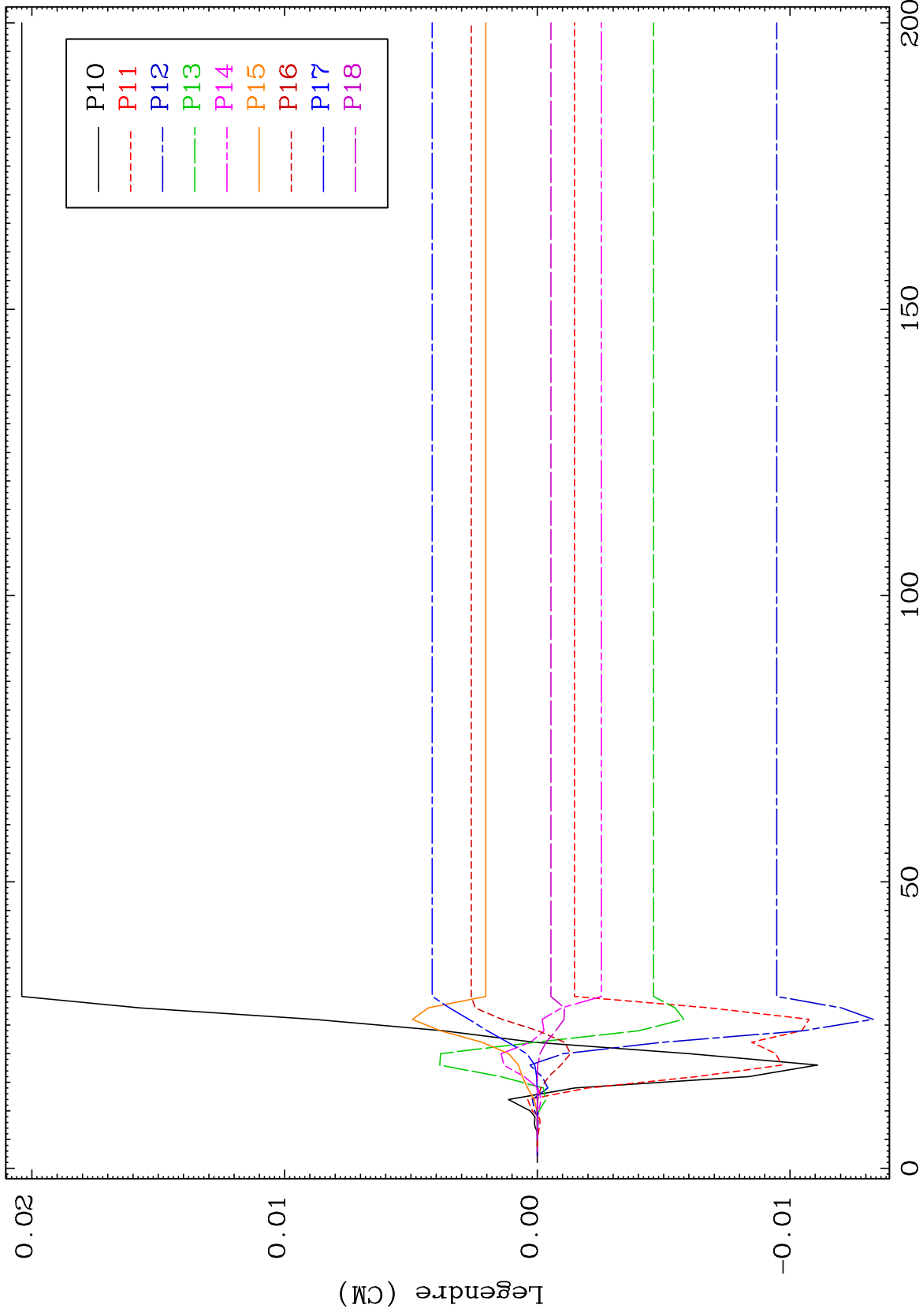
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171



72

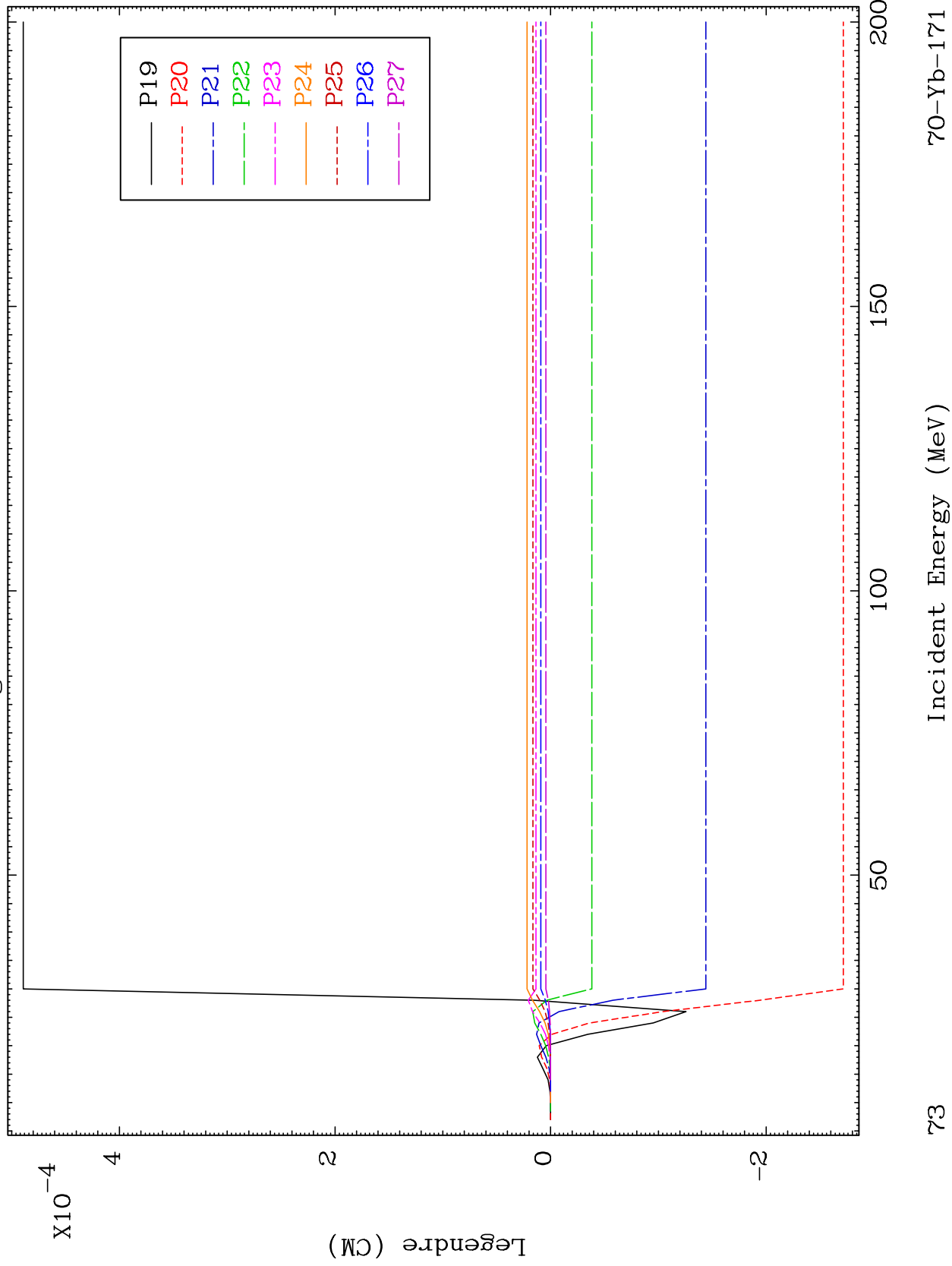
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171

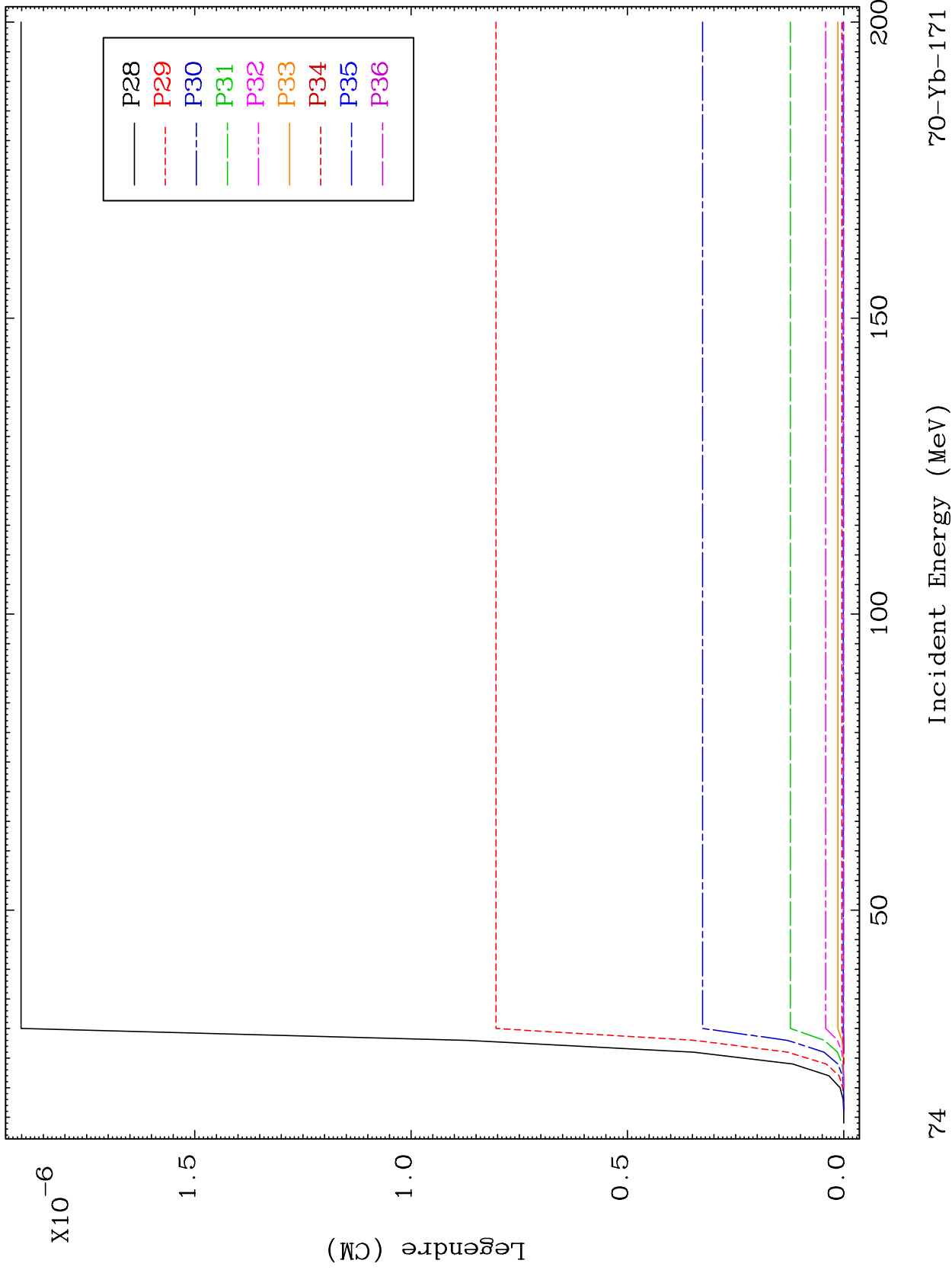


73

MAT 7034

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

70-Yb-171

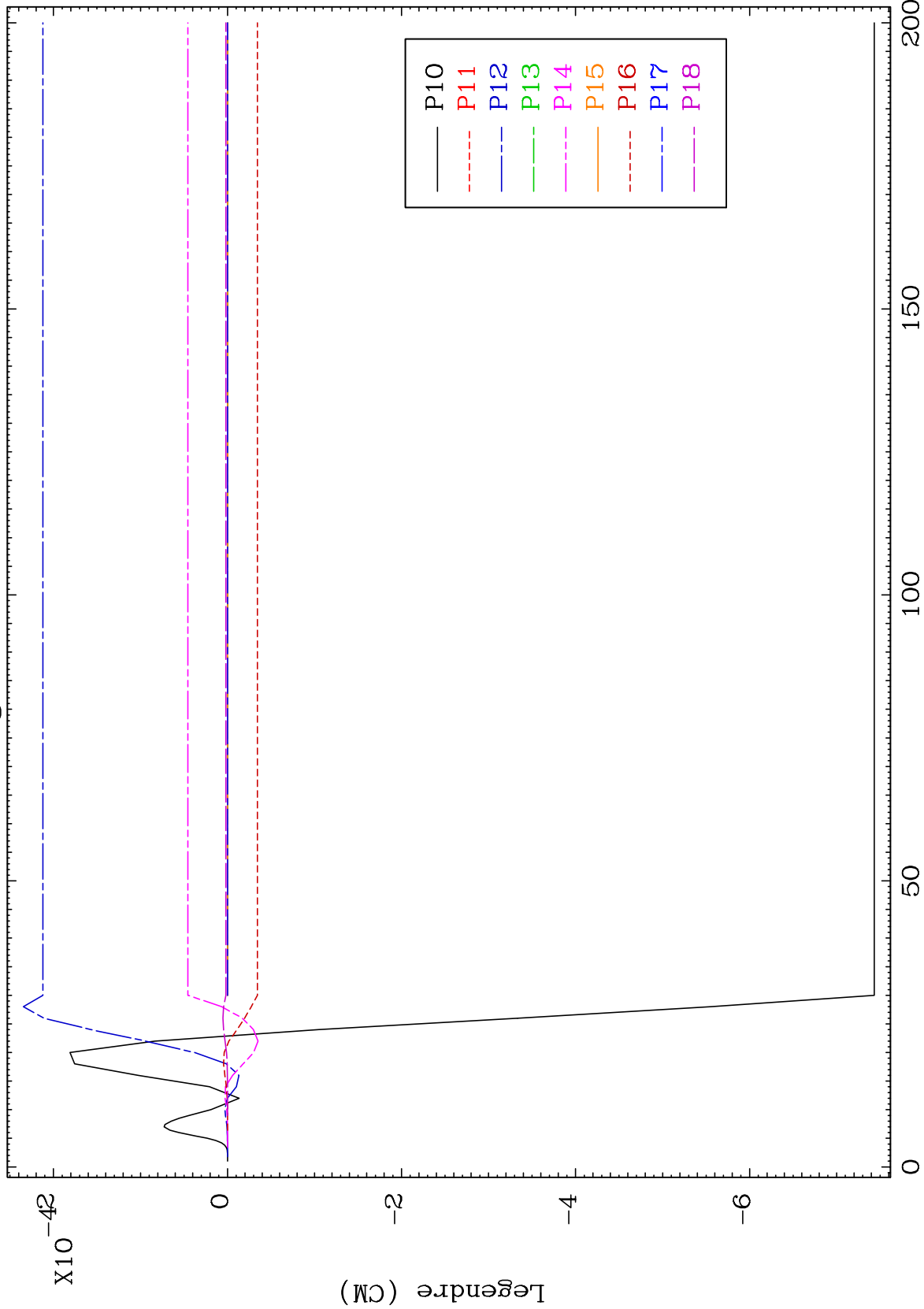


74

MAT 7034

MT= 67 (n,n') Level
Legendre Coefficients

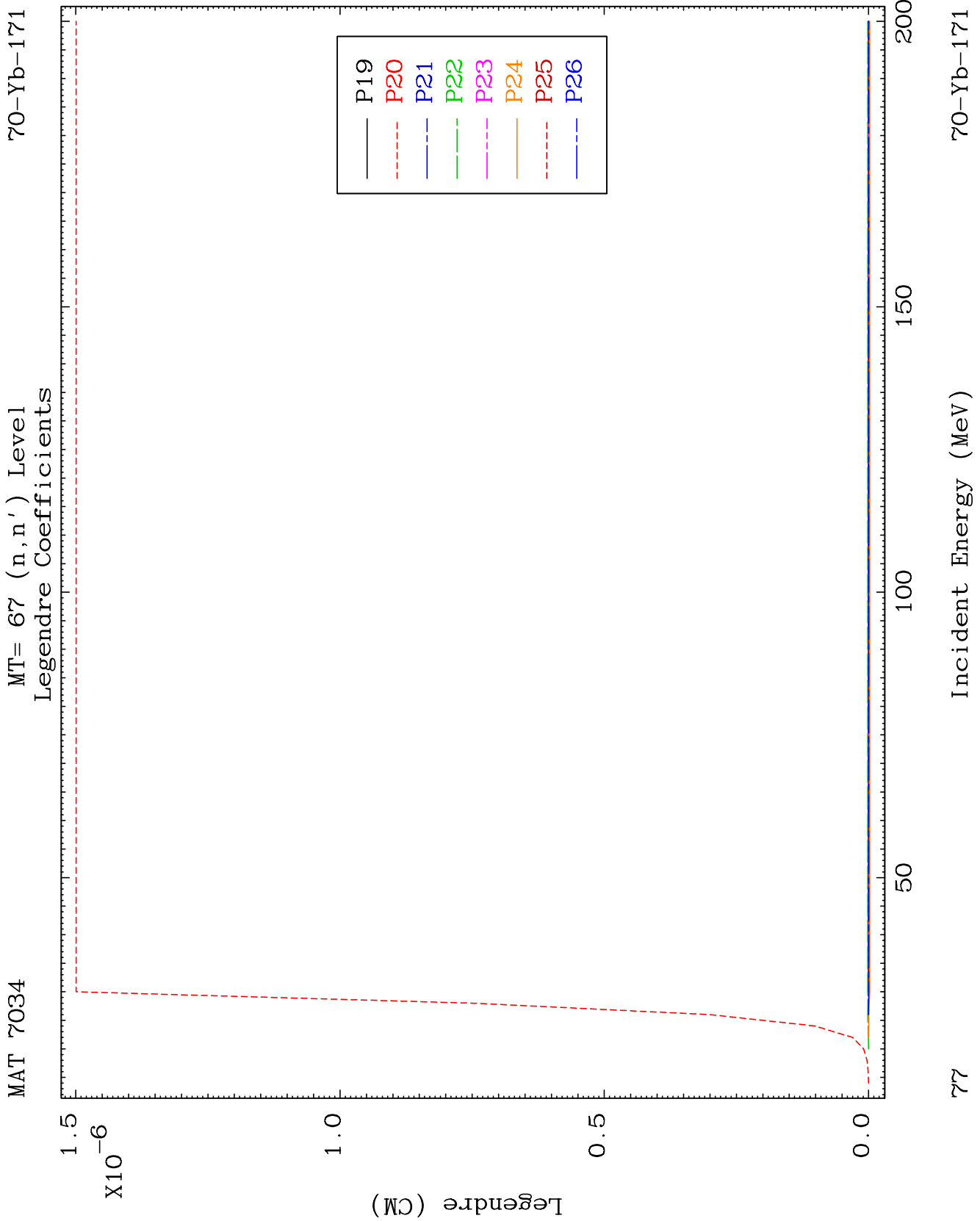
70-Yb-171

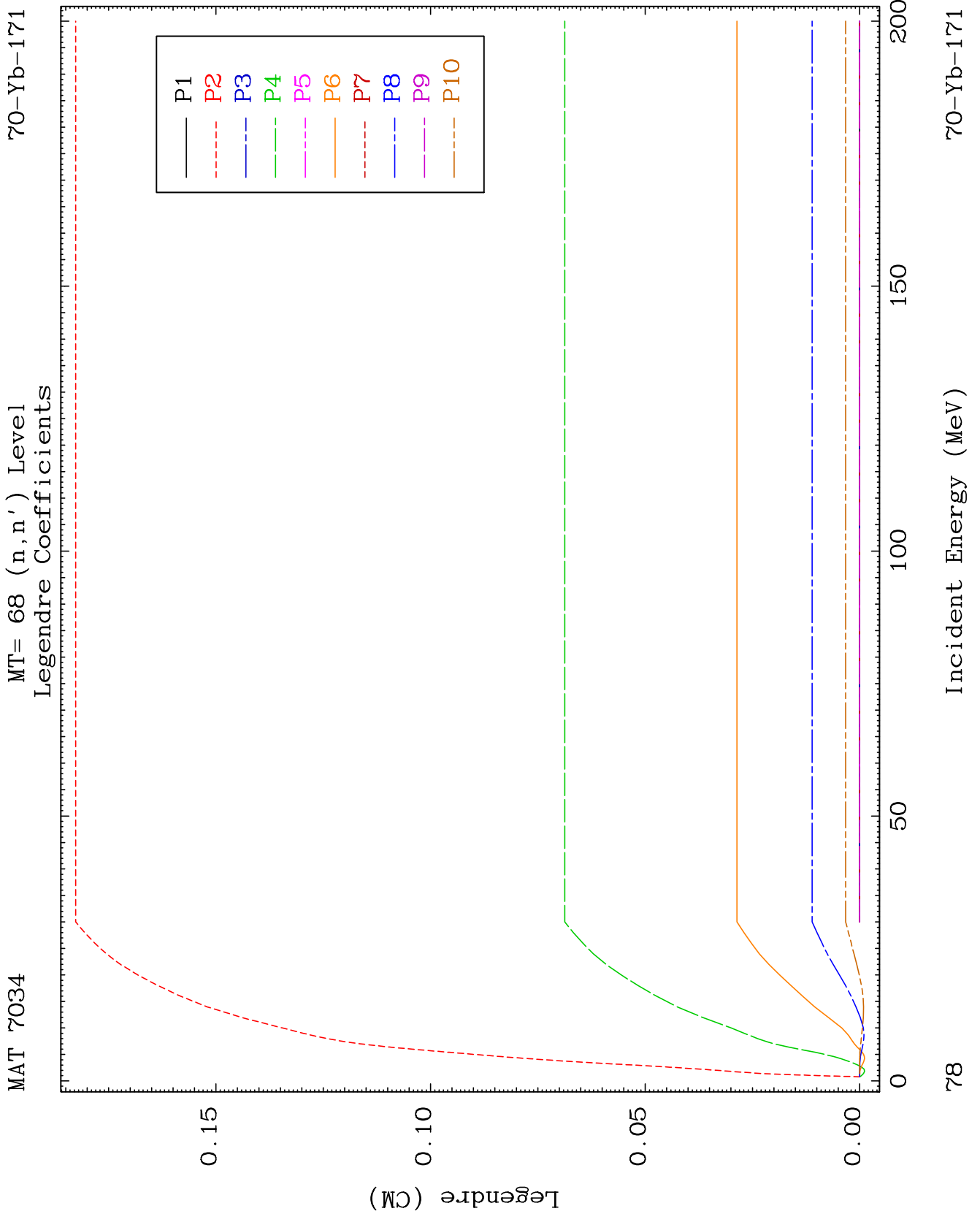


76

Incident Energy (MeV)

70-Yb-171

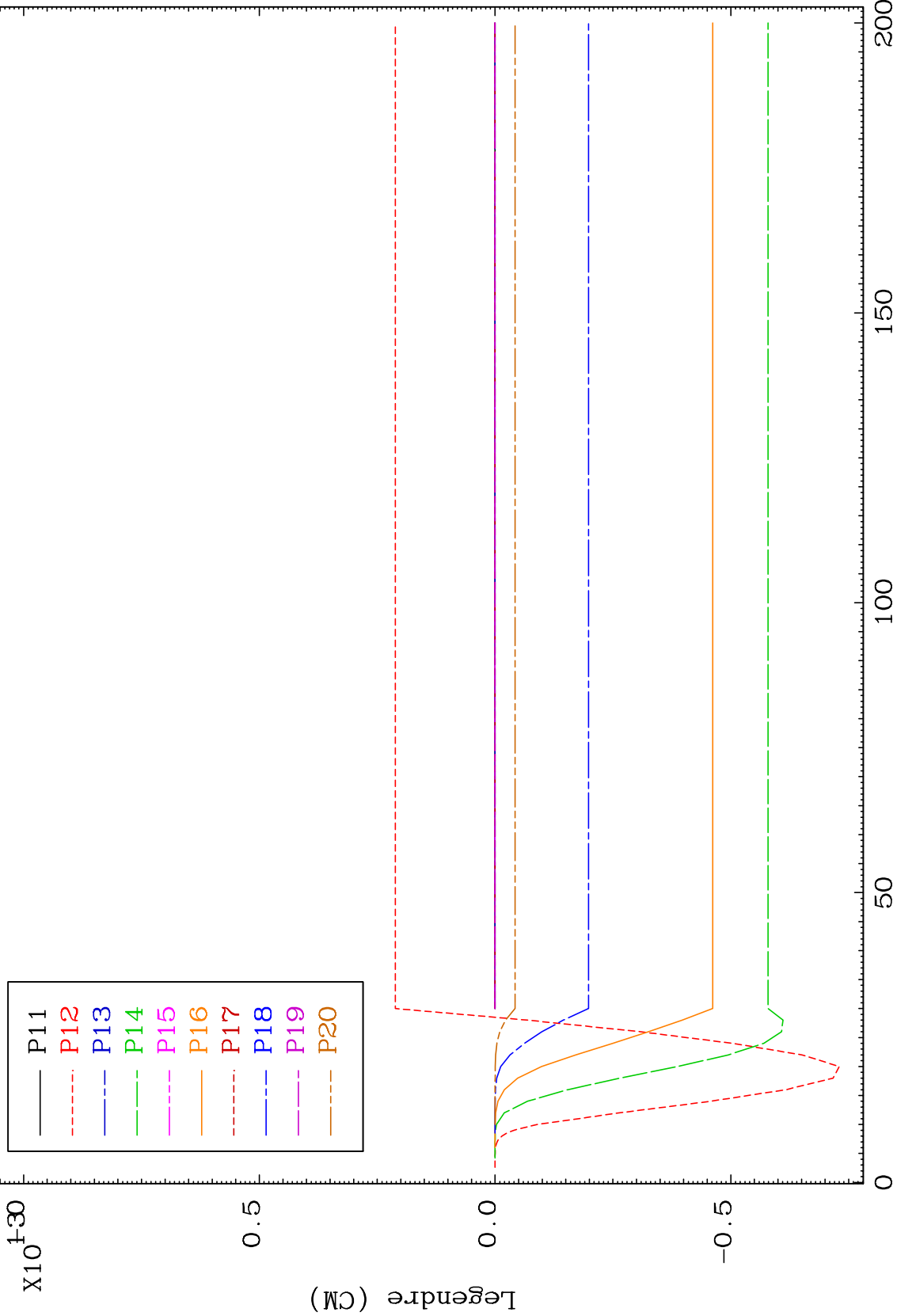
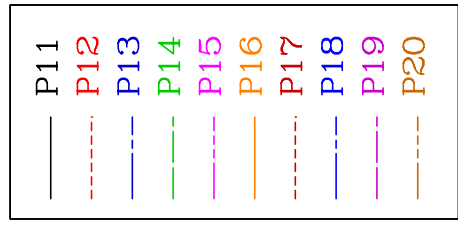




MAT 7034

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

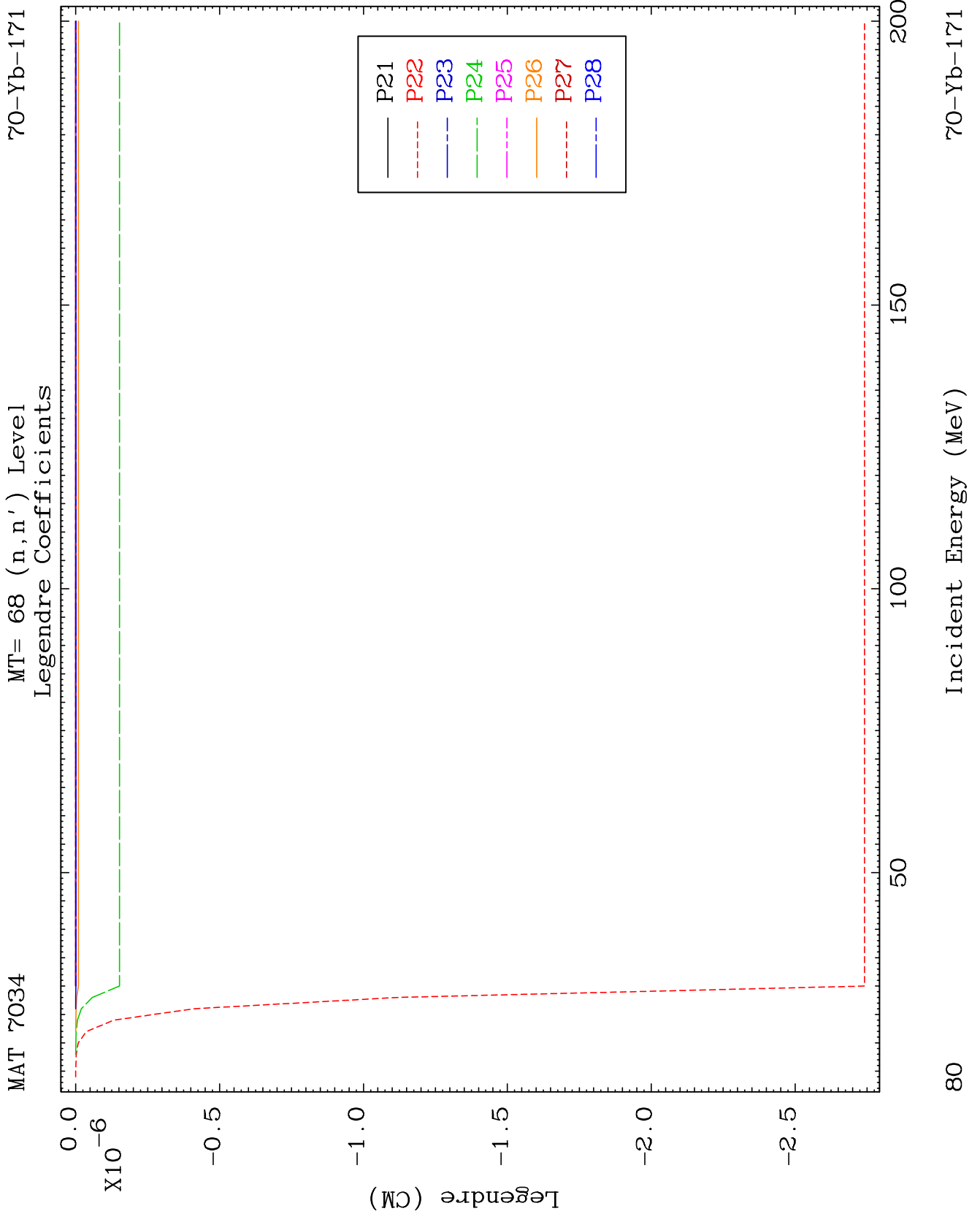
70-Yb-171



79

Incident Energy (MeV)

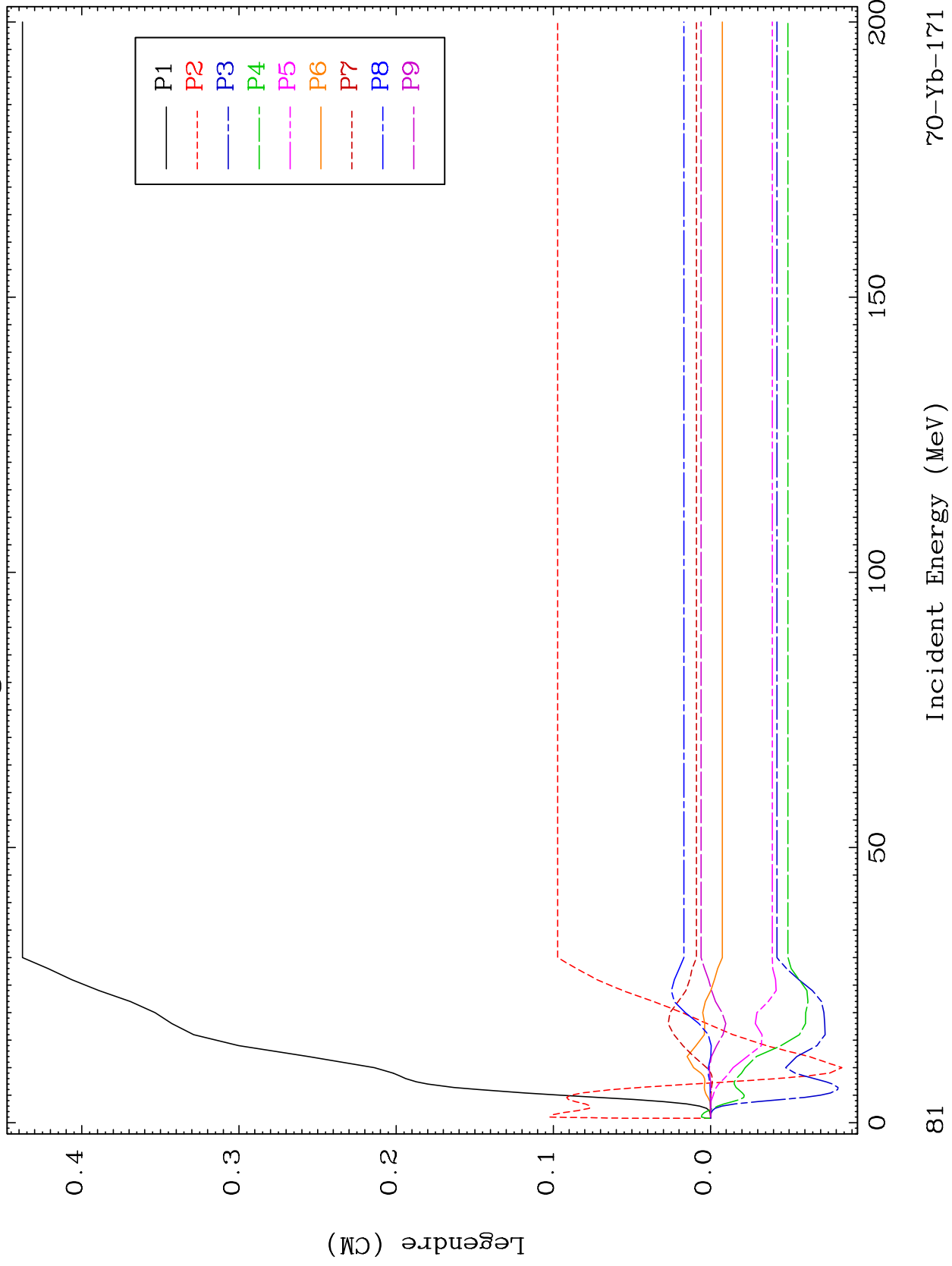
70-Yb-171



MAT 7034

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

70-Yb-171



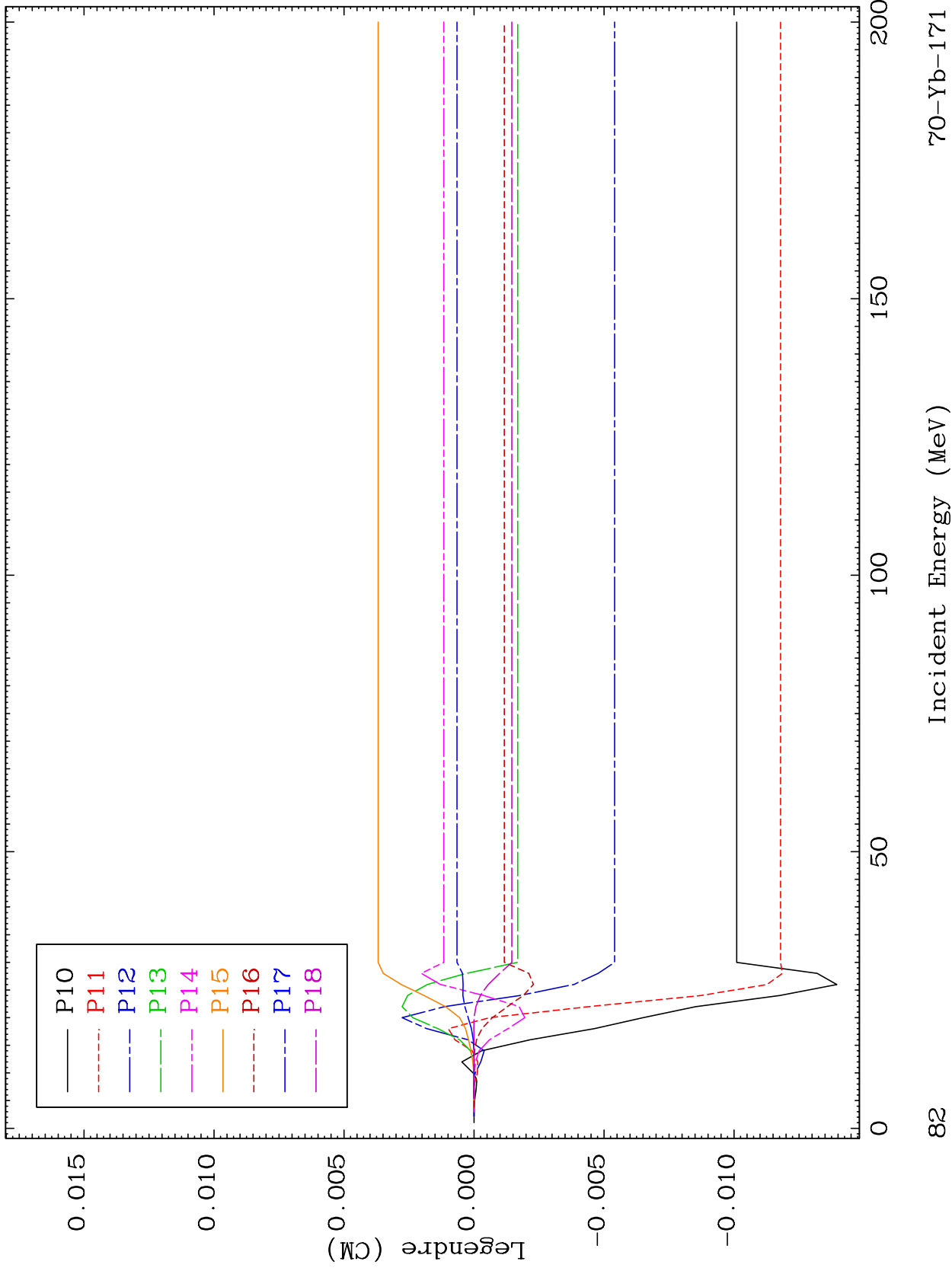
81

70-Yb-171

MAT 7034

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

70-Yb-171



82

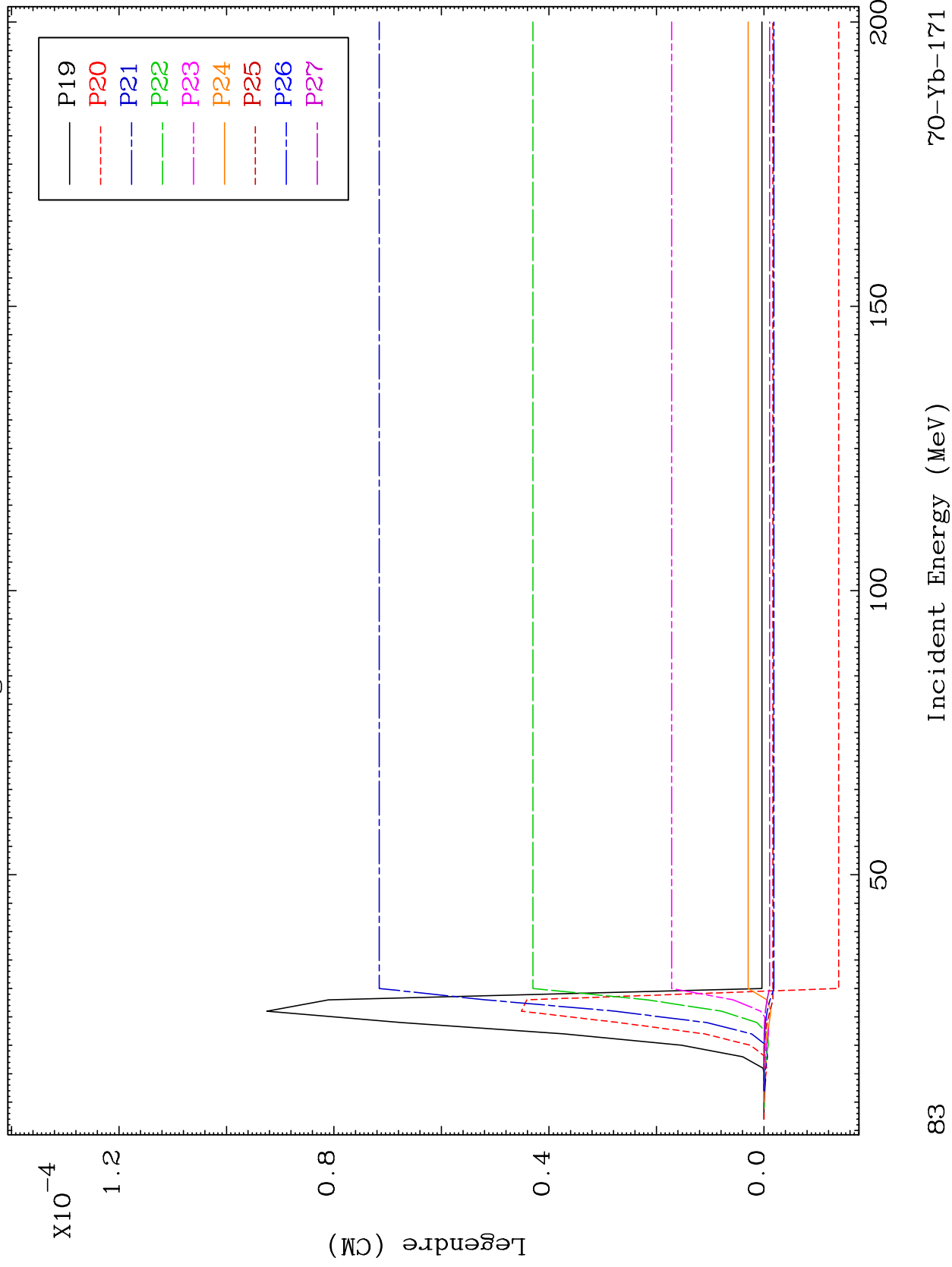
Incident Energy (MeV)

70-Yb-171

MAT 7034

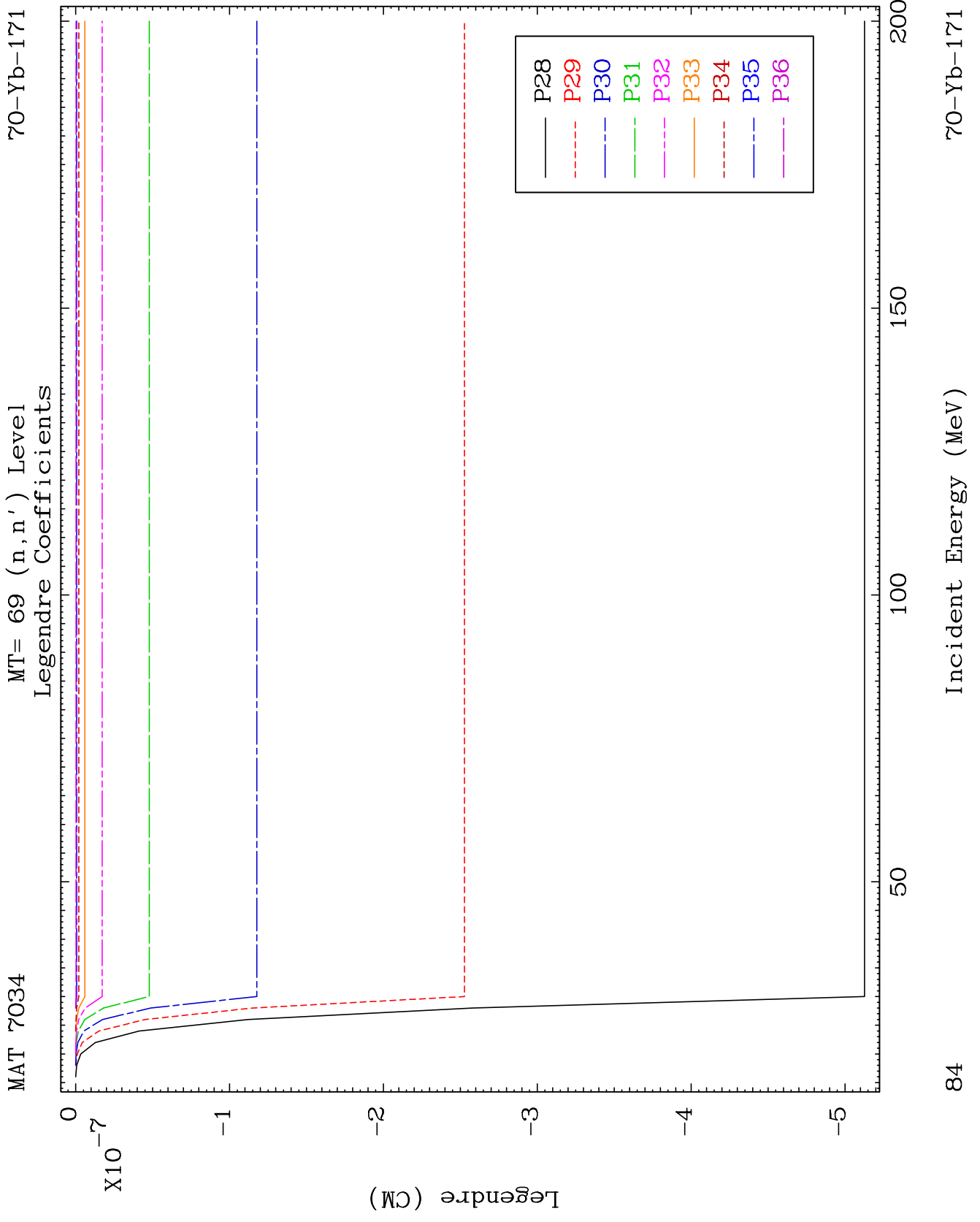
MT= 69 (n,n') Level
Legendre Coefficients

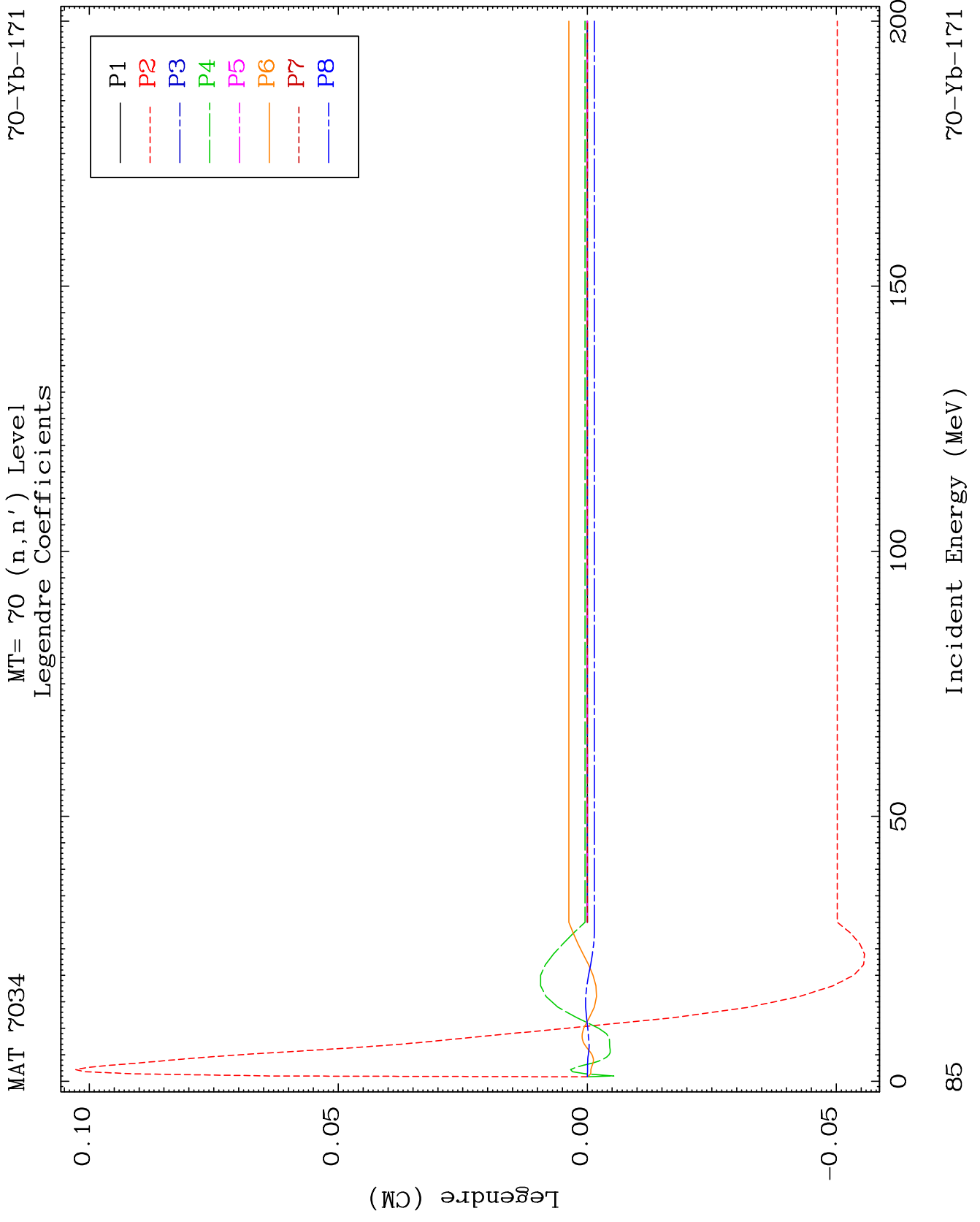
70-Yb-171



83

70-Yb-171

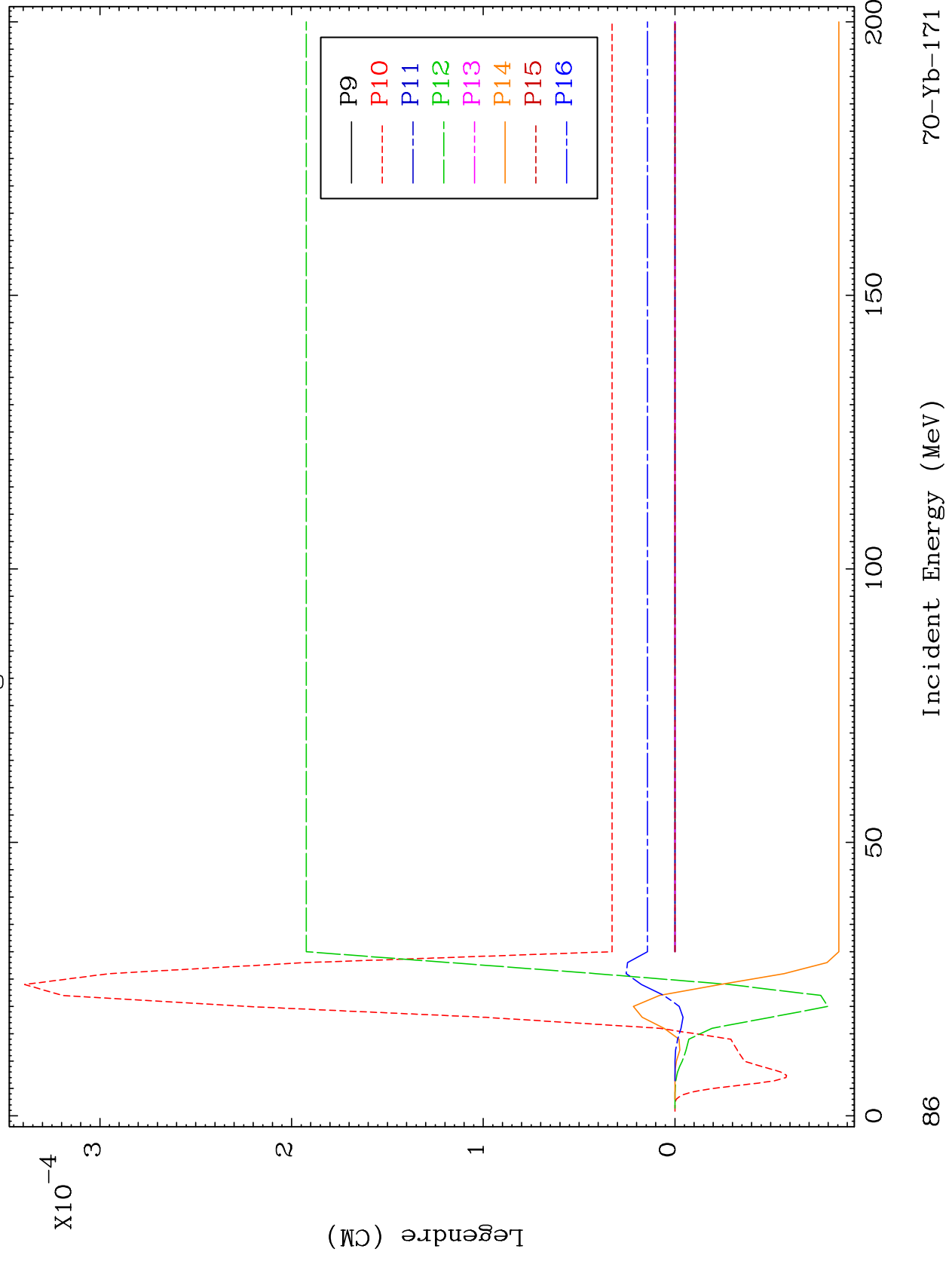




MAT 7034

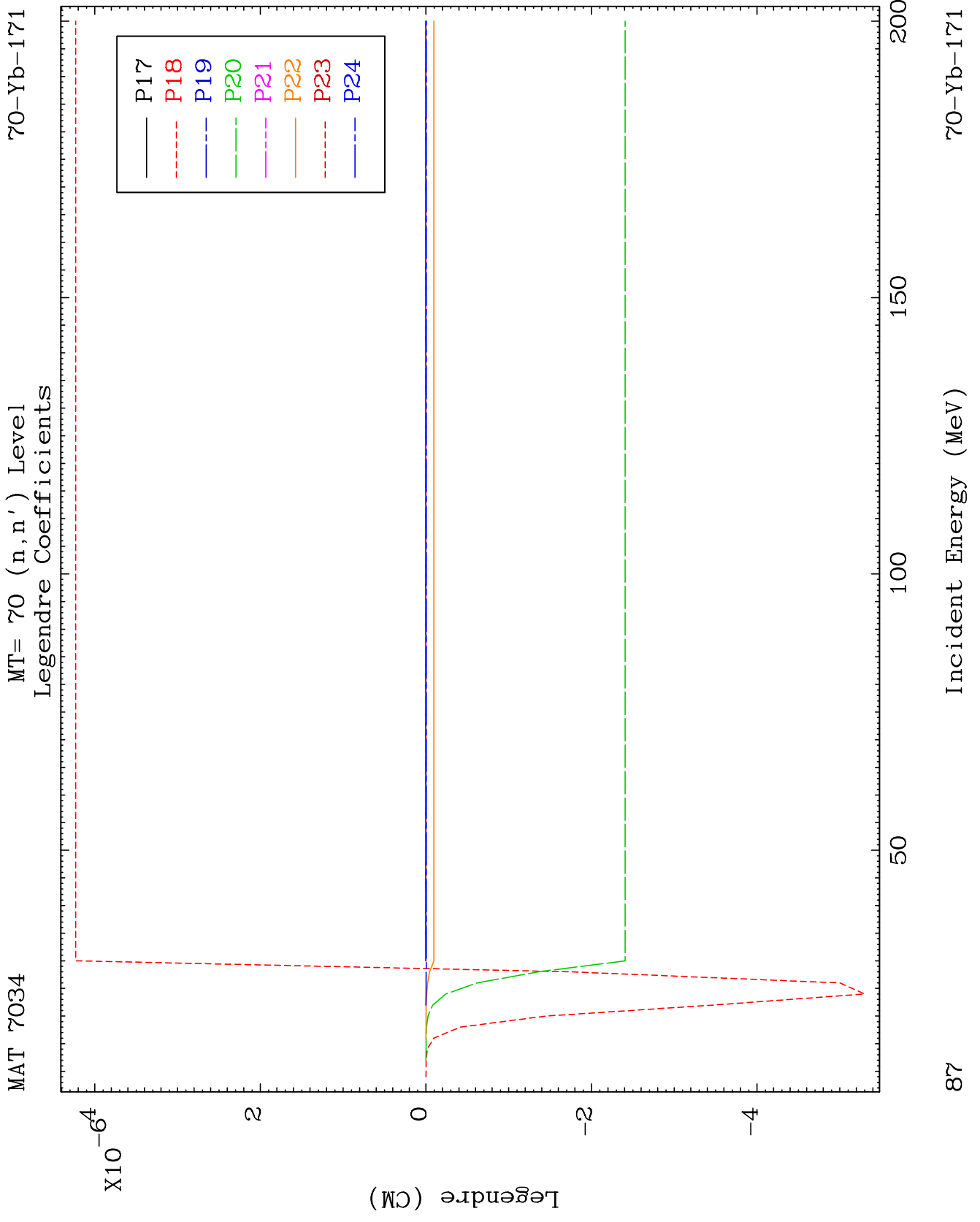
MT= 70 (n,n') Level Legendre Coefficients

70-Yb-171



86

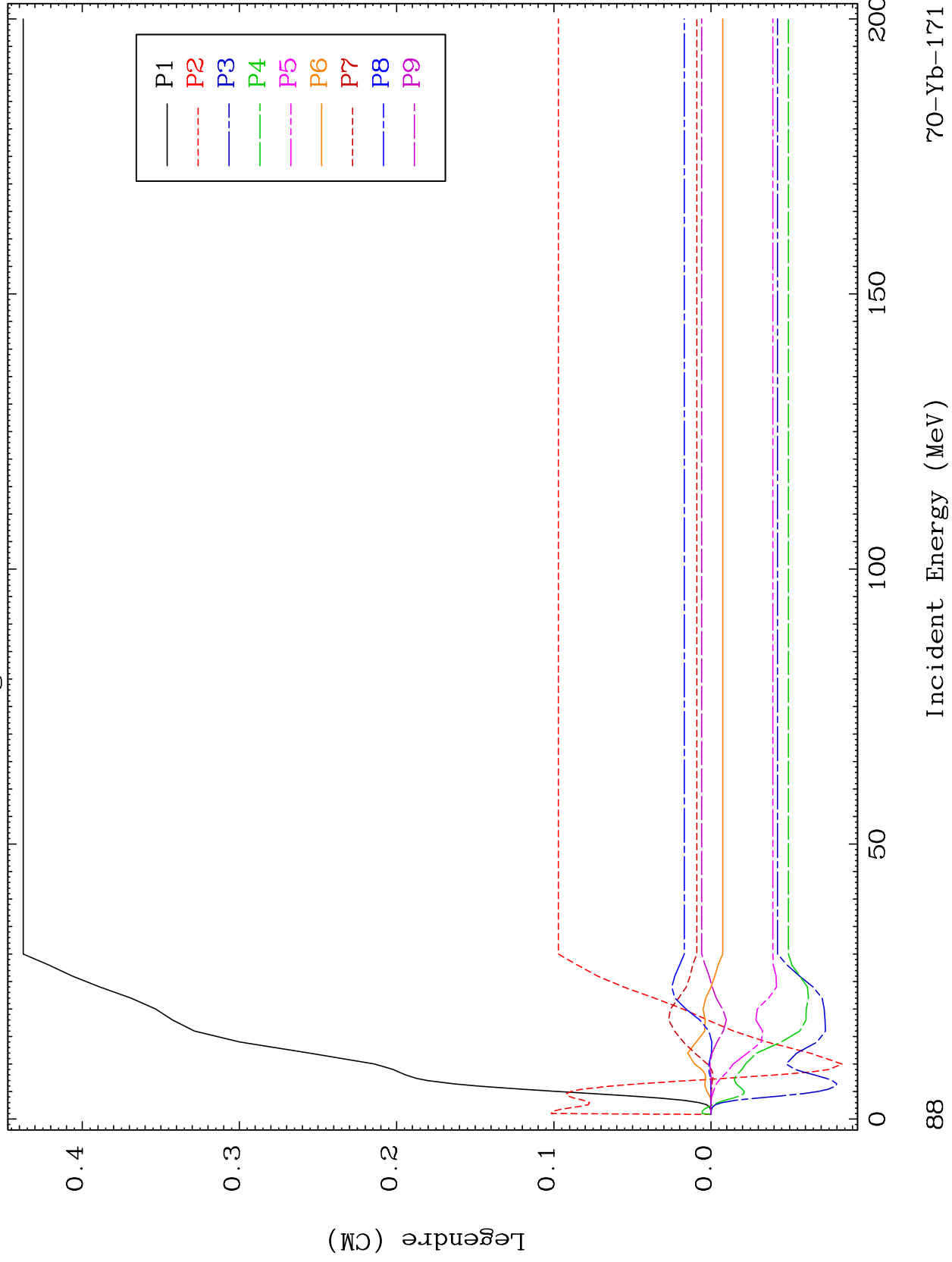
70-Yb-171



MAT 7034

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

70-Yb-171



70-Yb-171

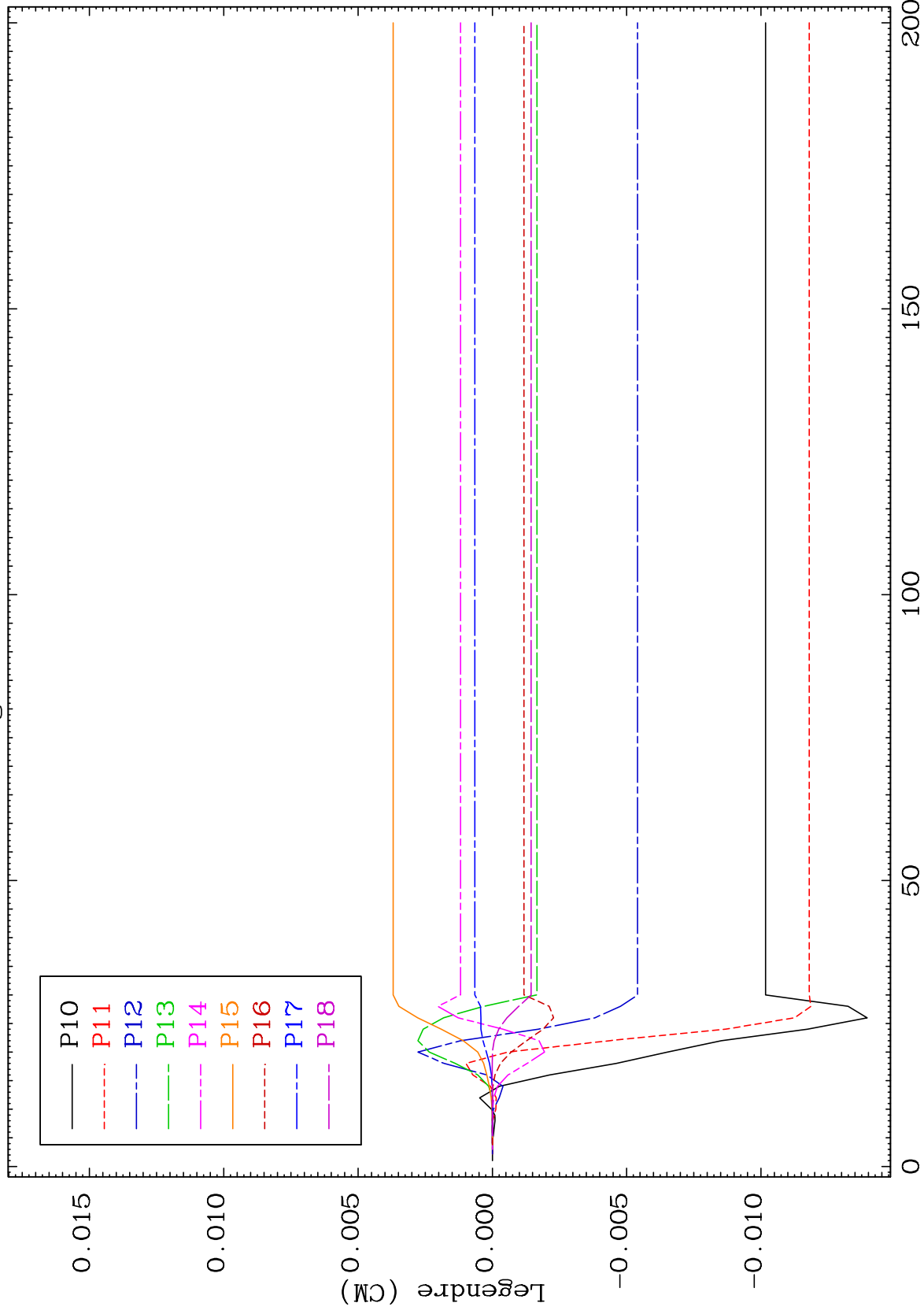
Incident Energy (MeV)

88

MAT 7034

70-Yb-171

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



89

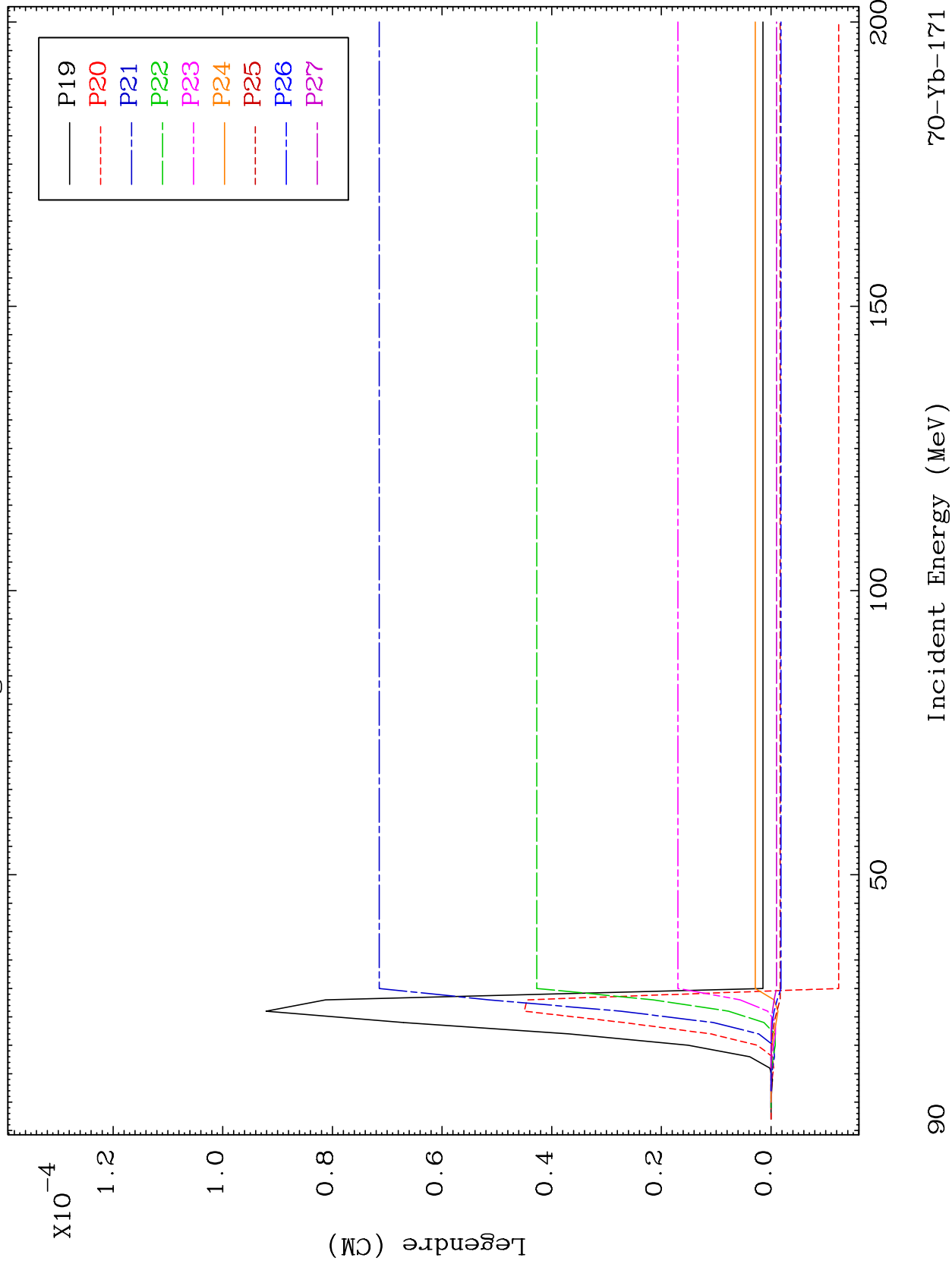
Incident Energy (MeV)

70-Yb-171

MAT 7034

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

70-Yb-171



90

Incident Energy (MeV)

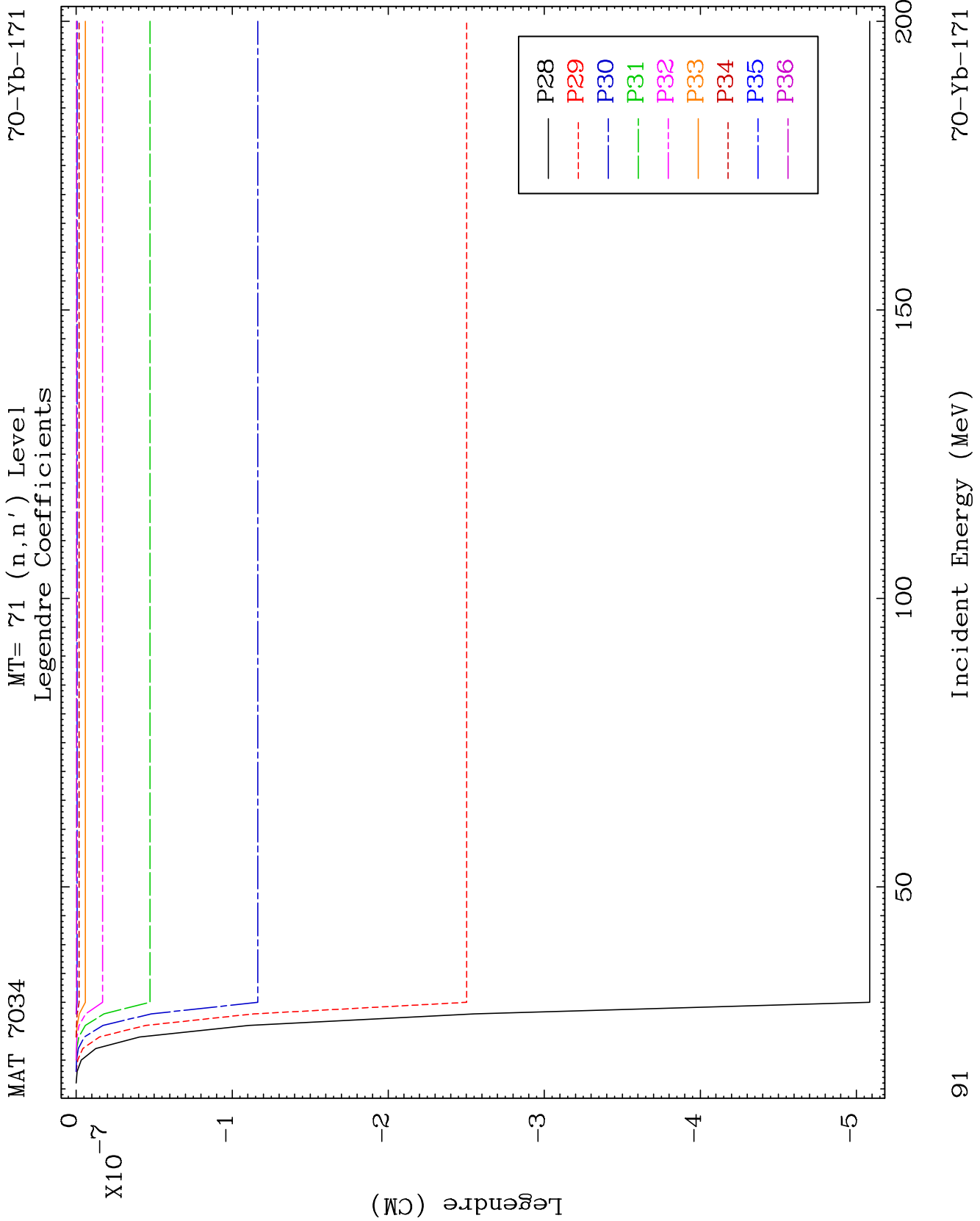
50

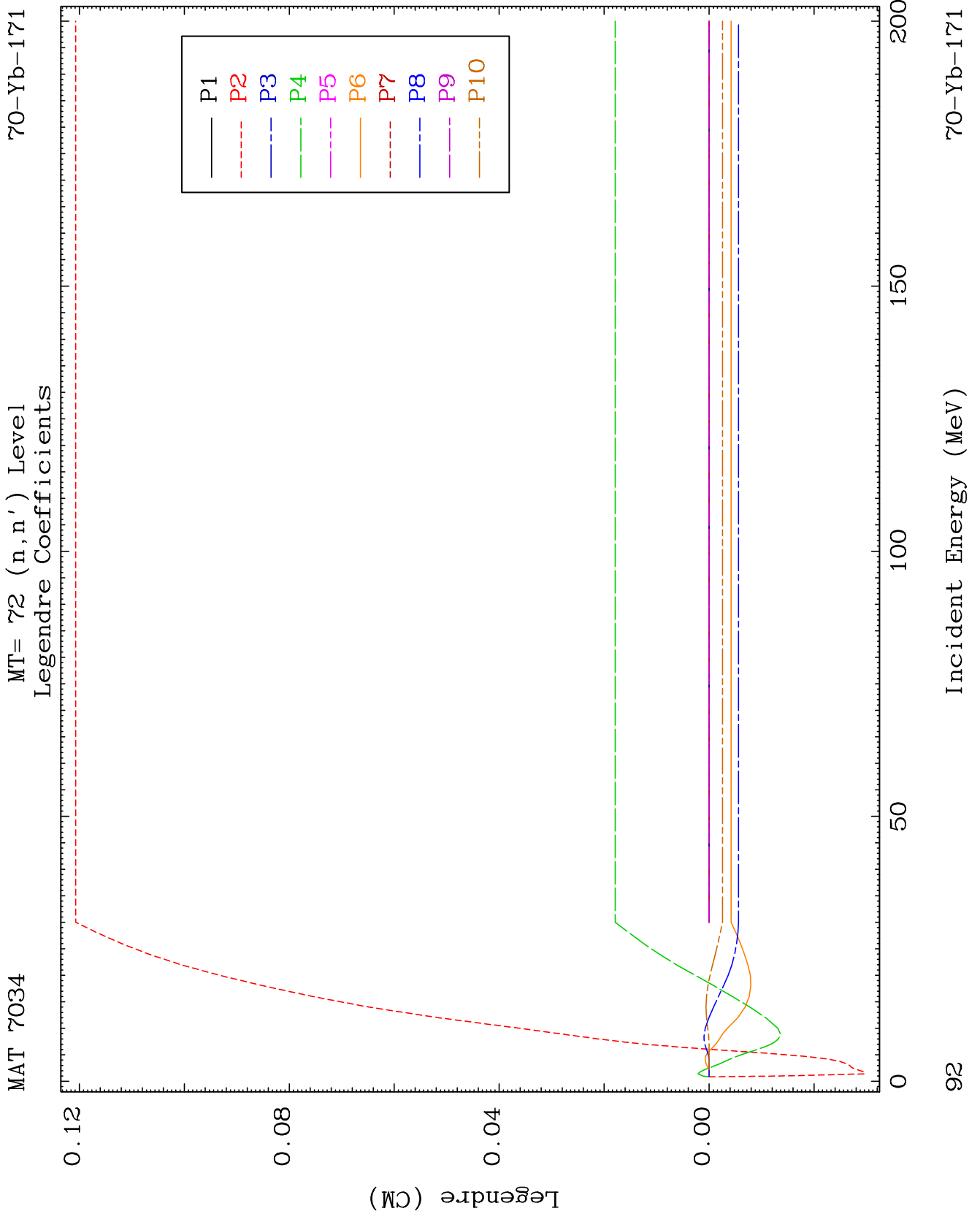
100

150

200

70-Yb-171

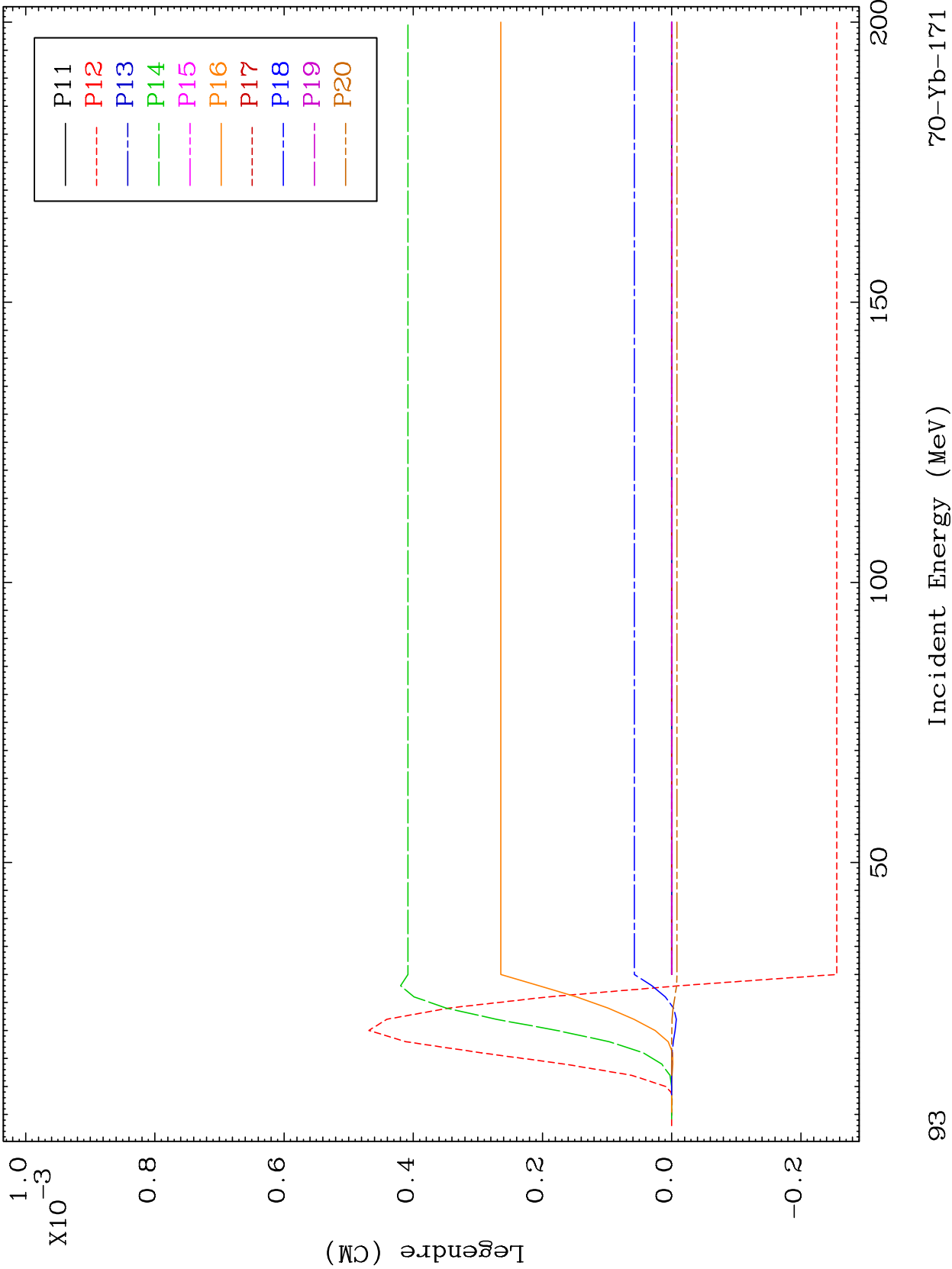




MAT 7034

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

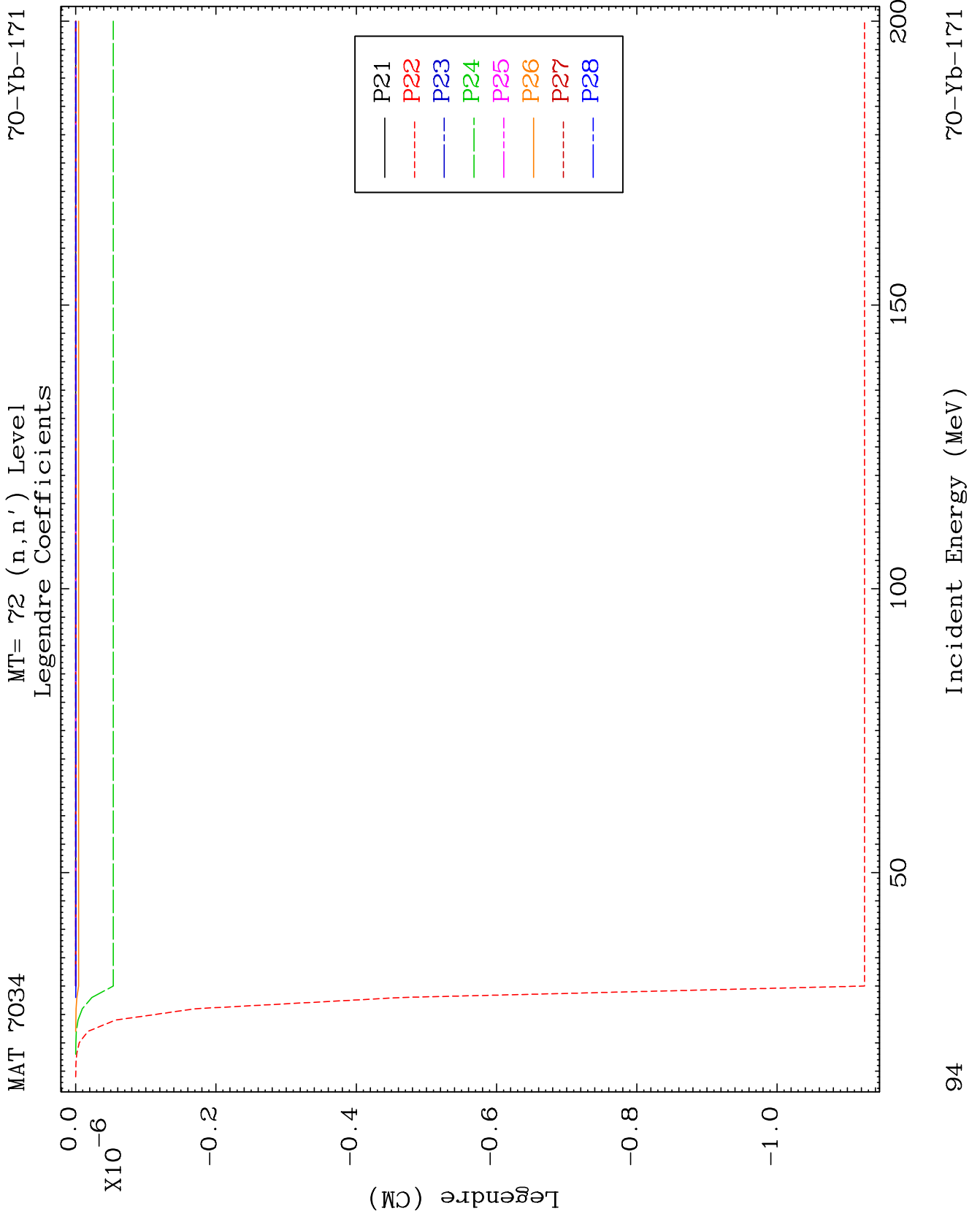
70-Yb-171



93

Incident Energy (MeV)

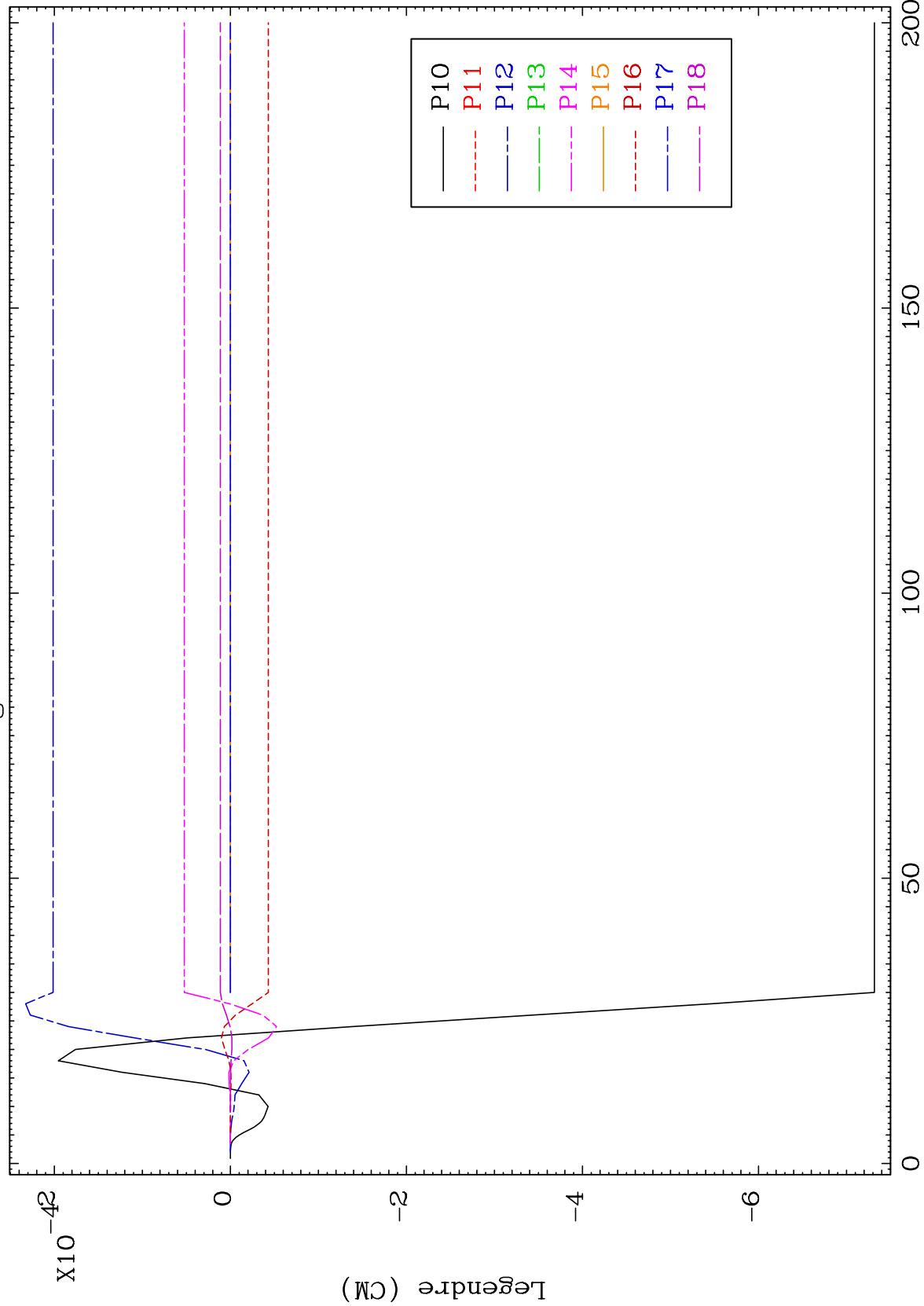
70-Yb-171



MAT 7034

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

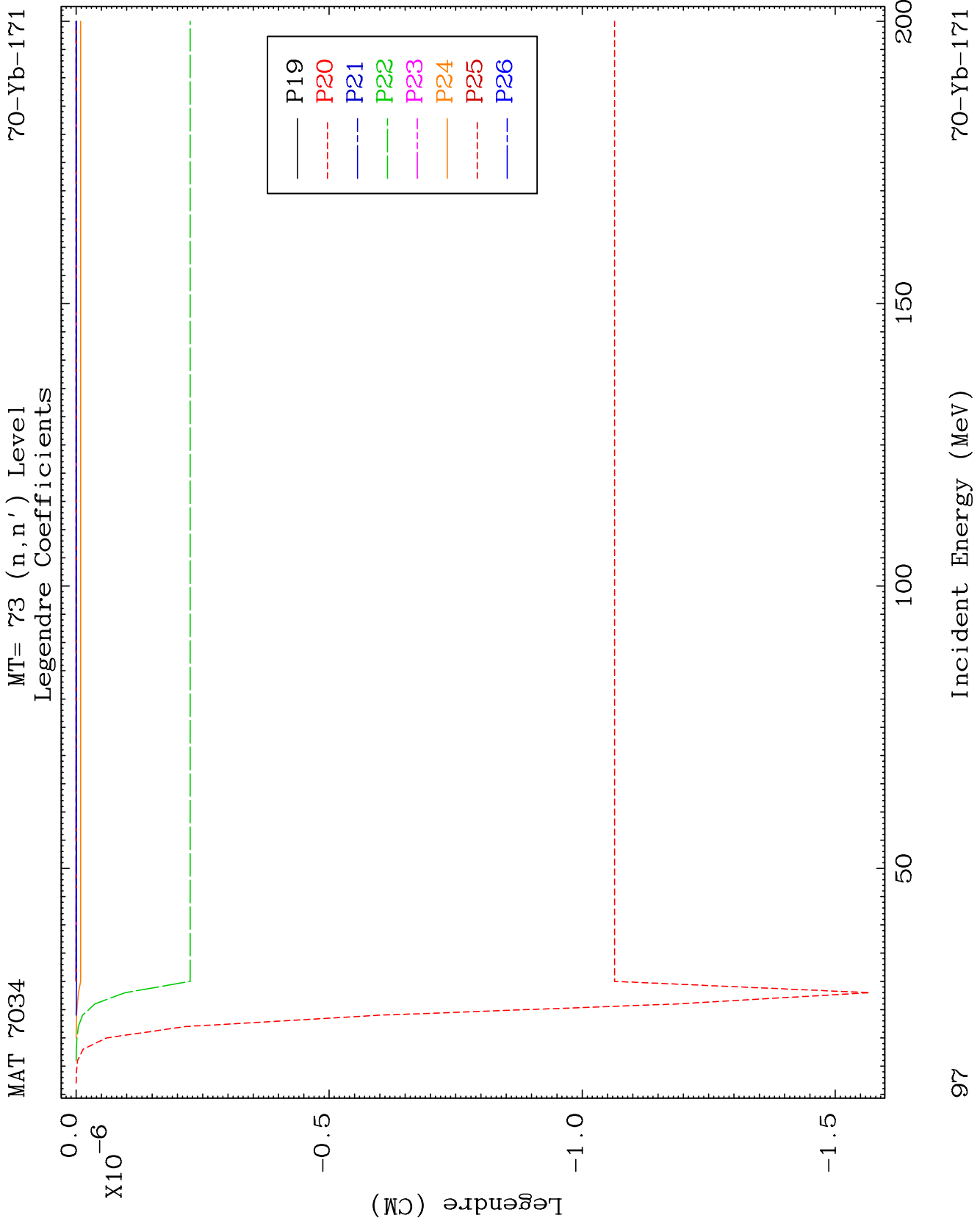
70-Yb-171

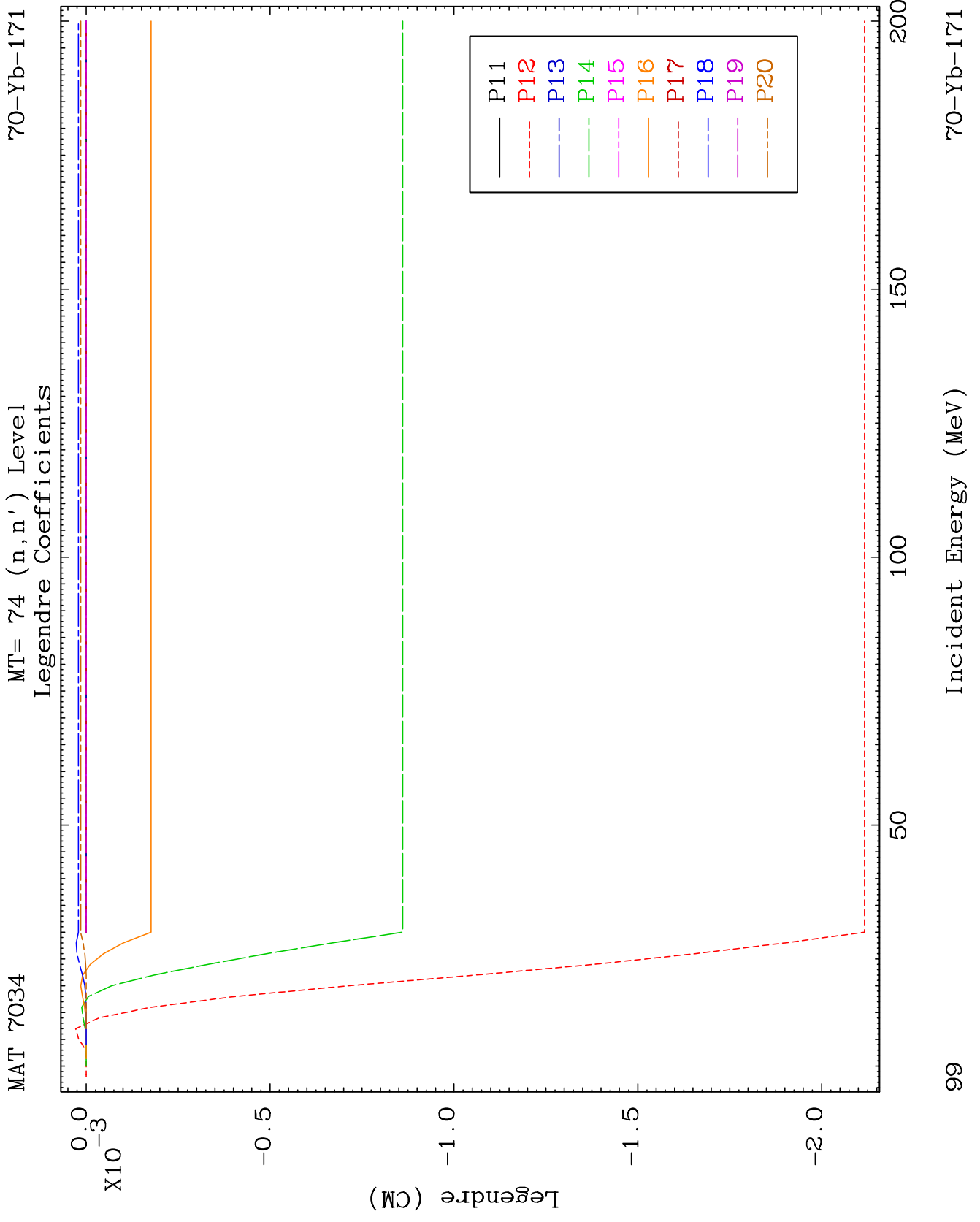


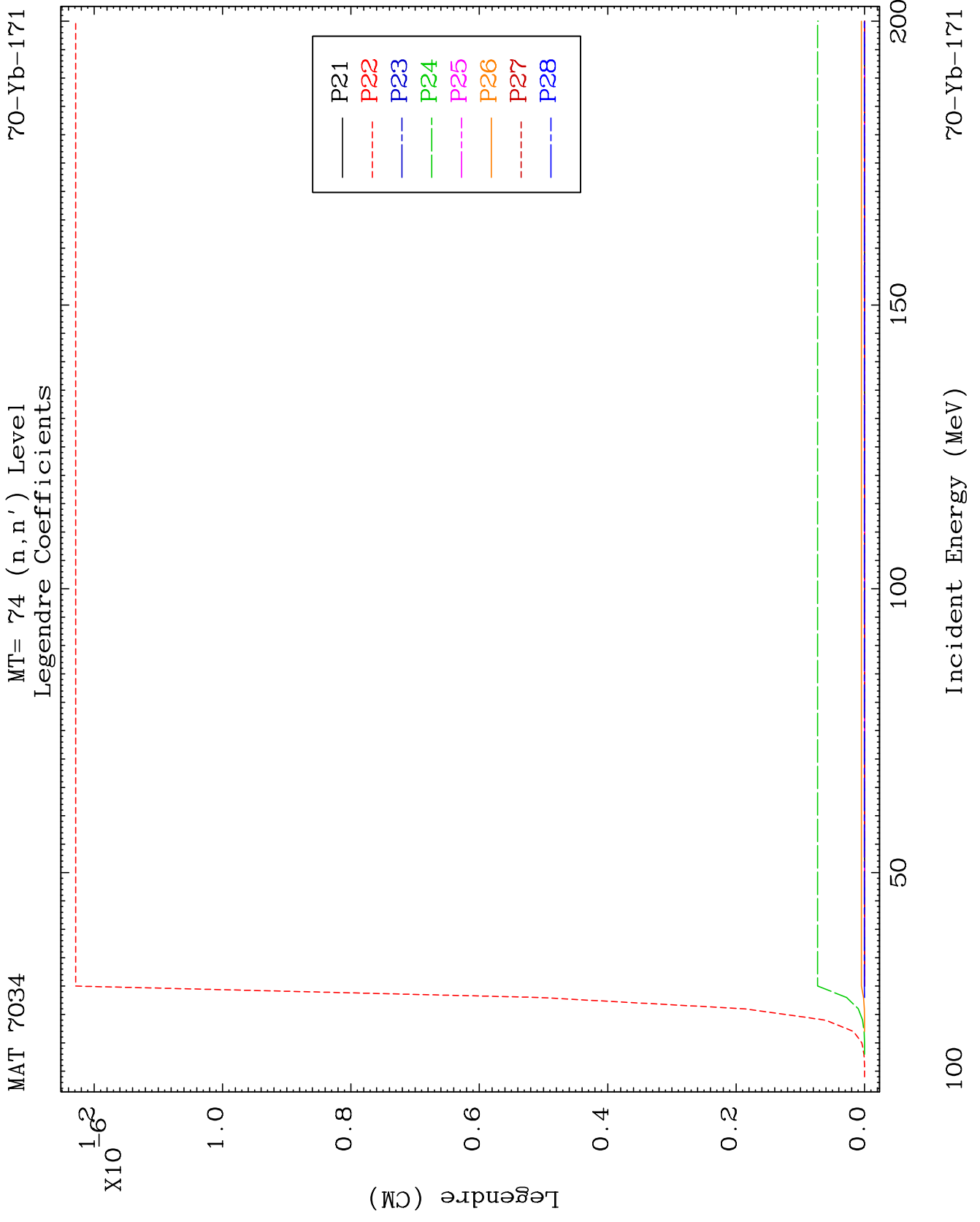
96

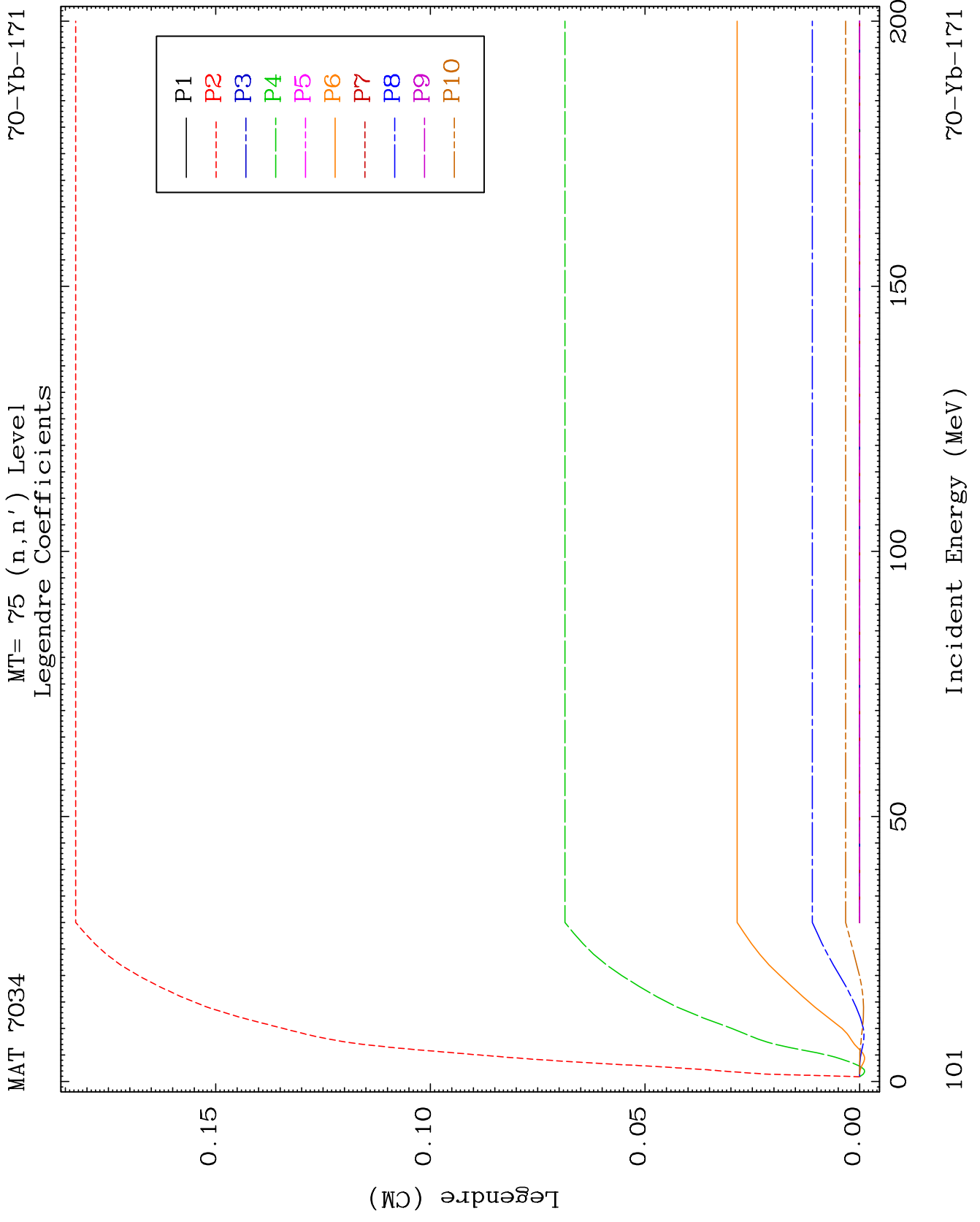
Incident Energy (MeV)

70-Yb-171





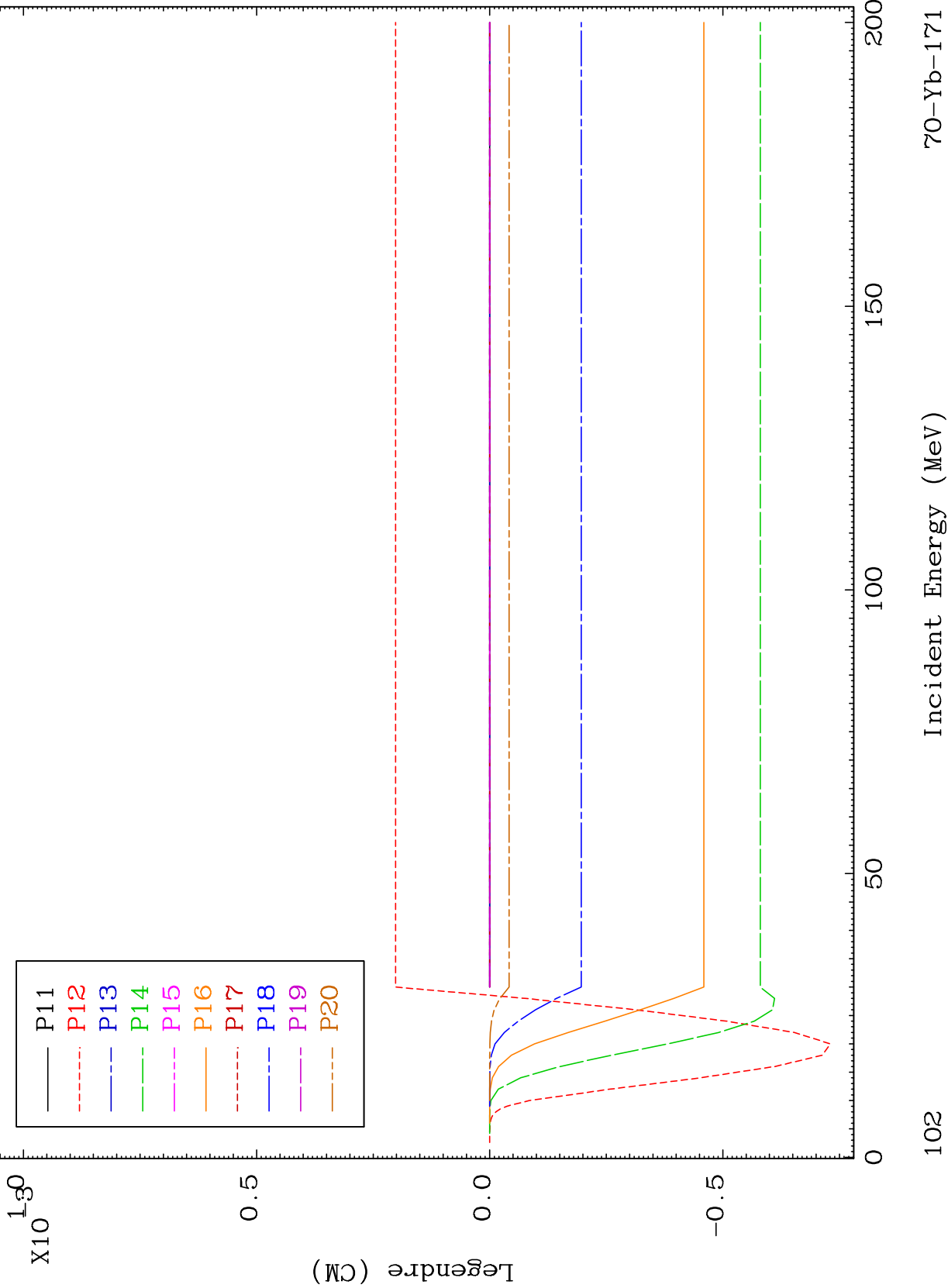




MAT 7034

MT= 75 (n,n') Level
Legendre Coefficients

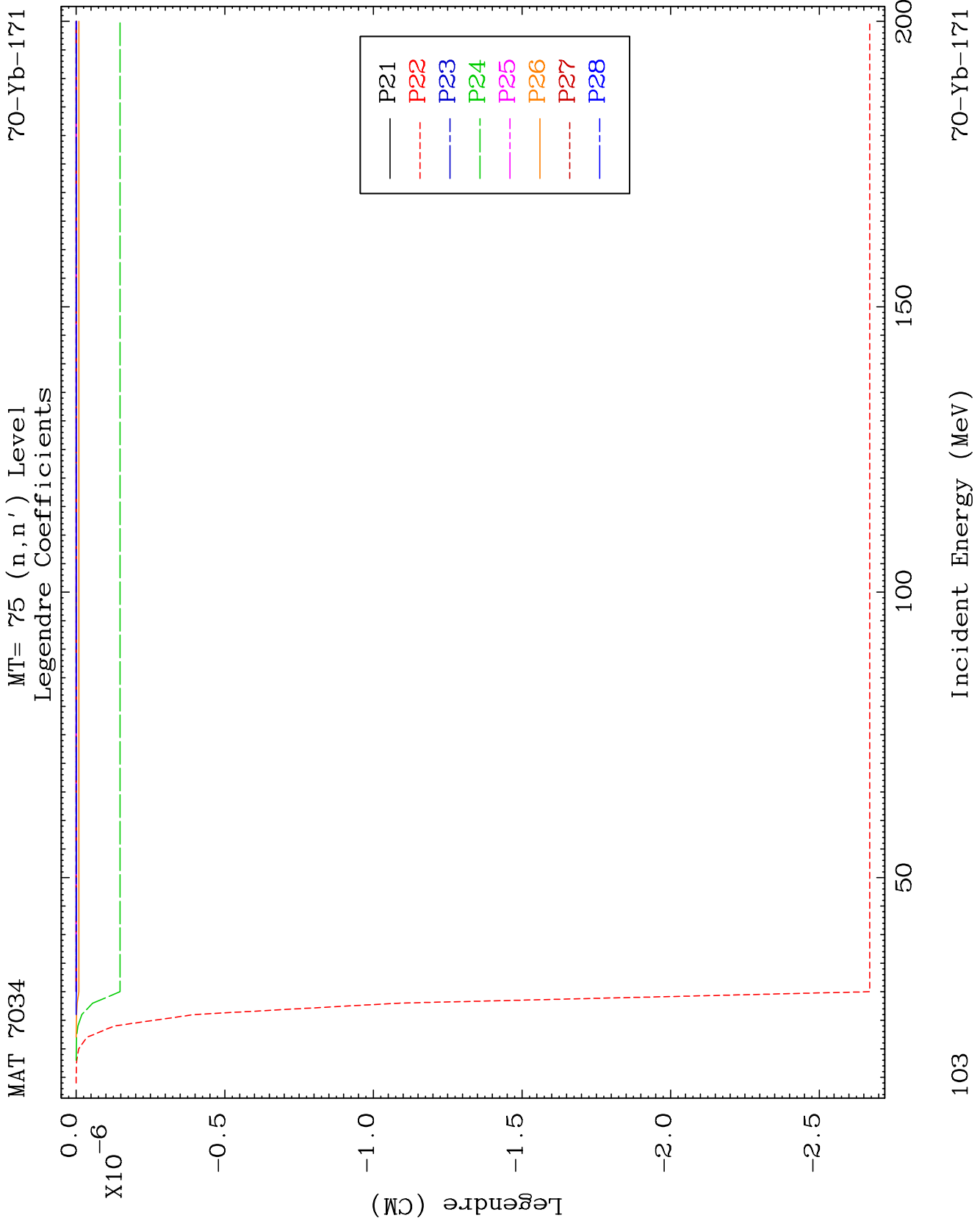
70-Yb-171

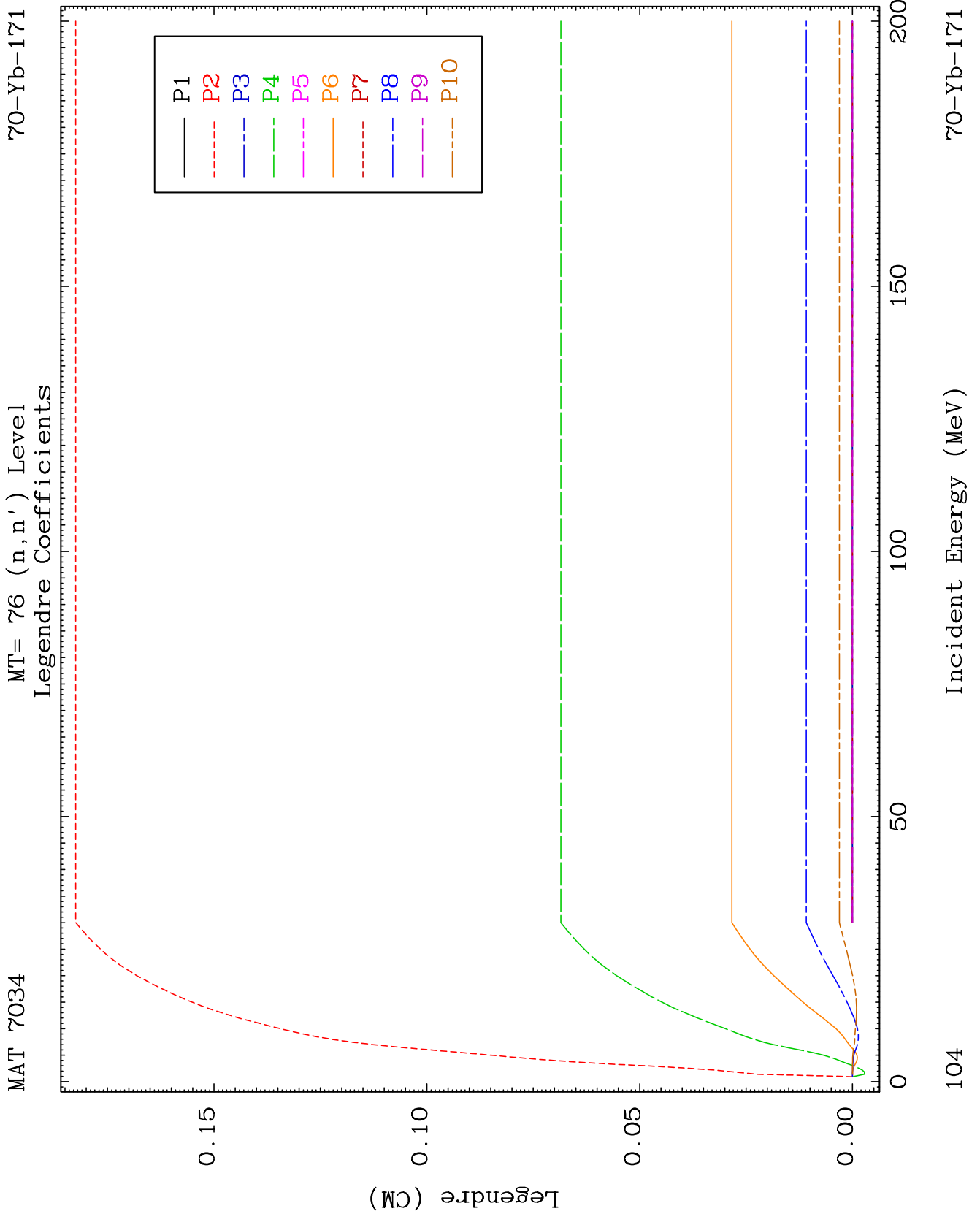


102

Incident Energy (MeV)

70-Yb-171

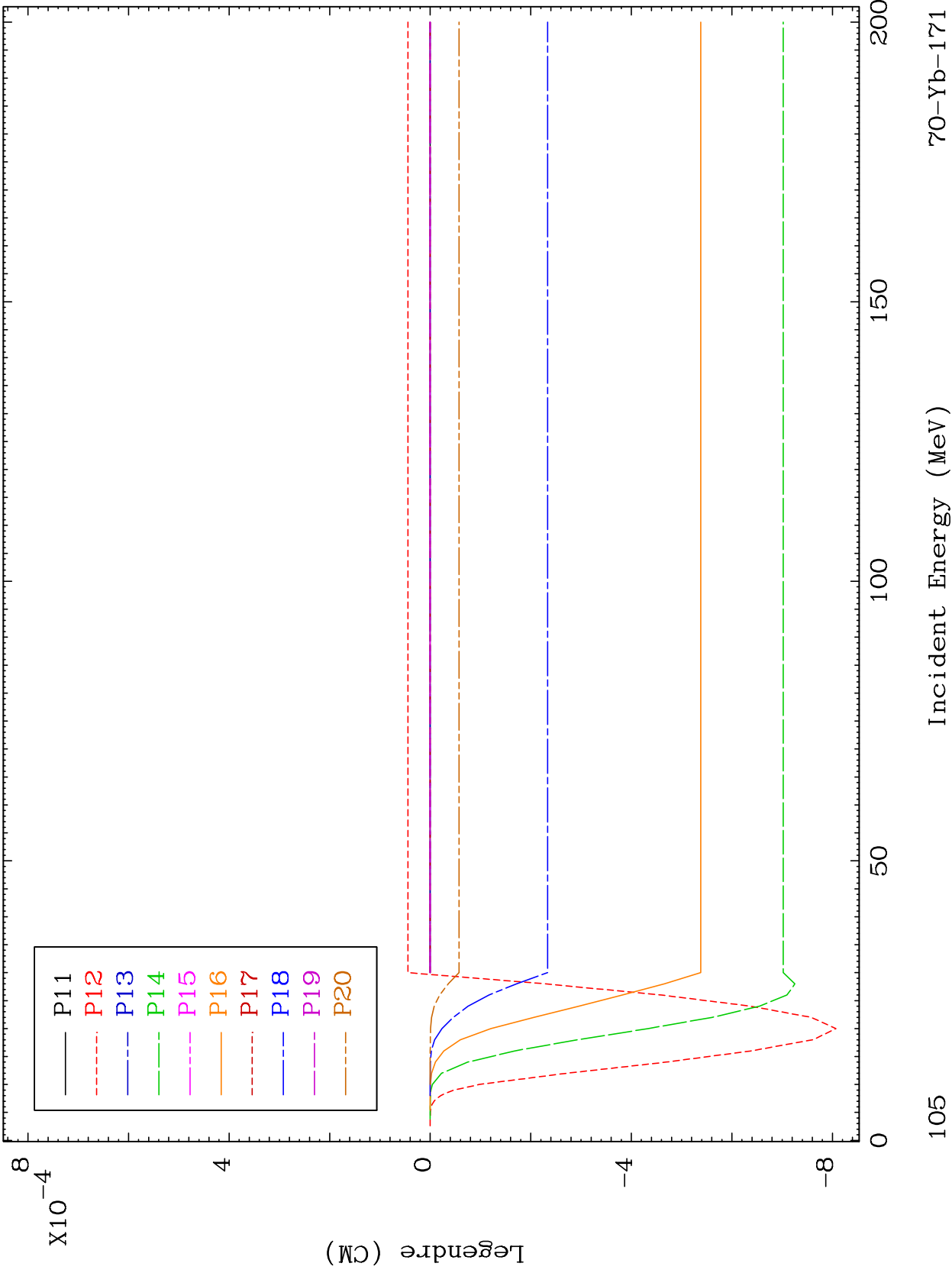


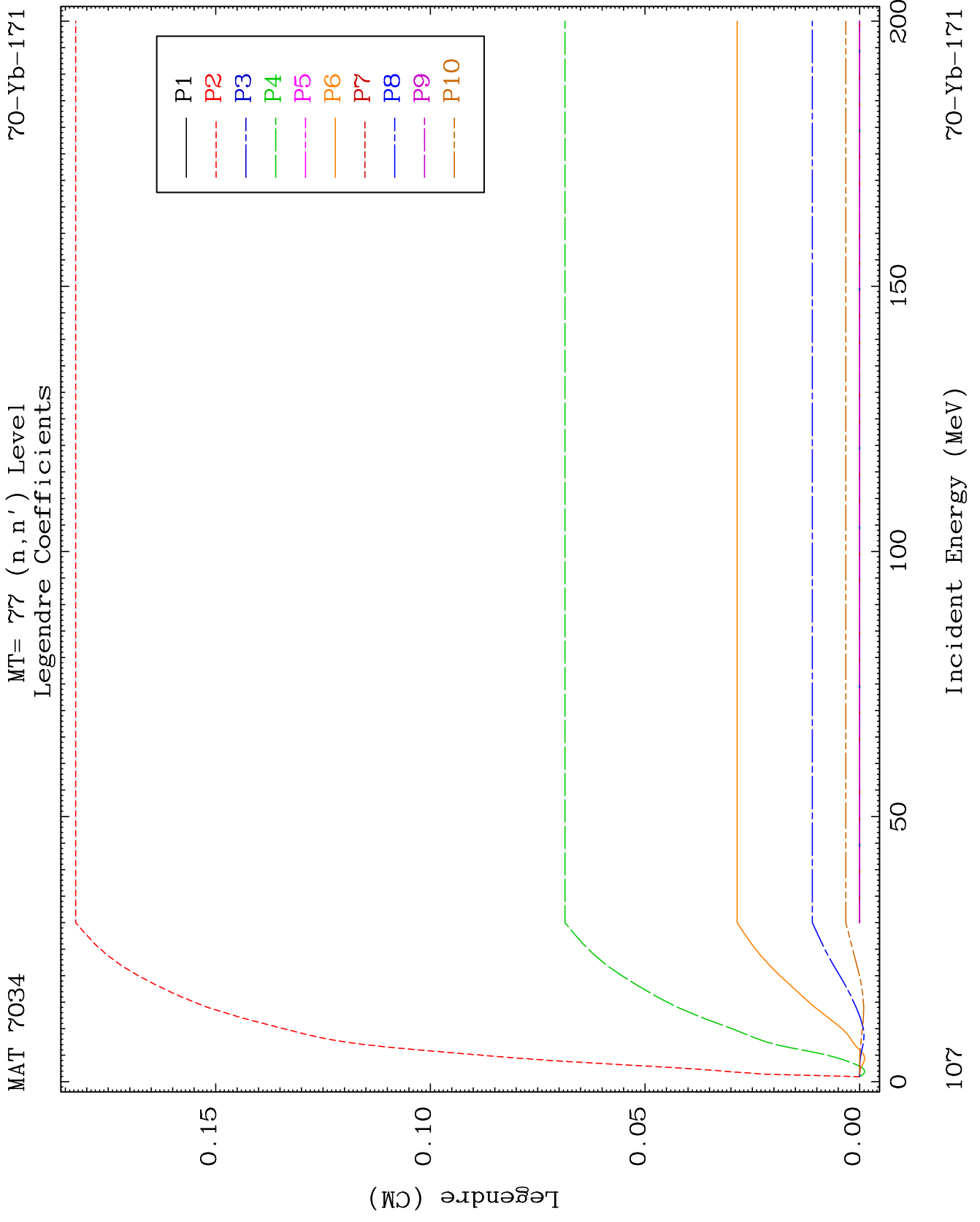


MAT 7034

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

70-Yb-171

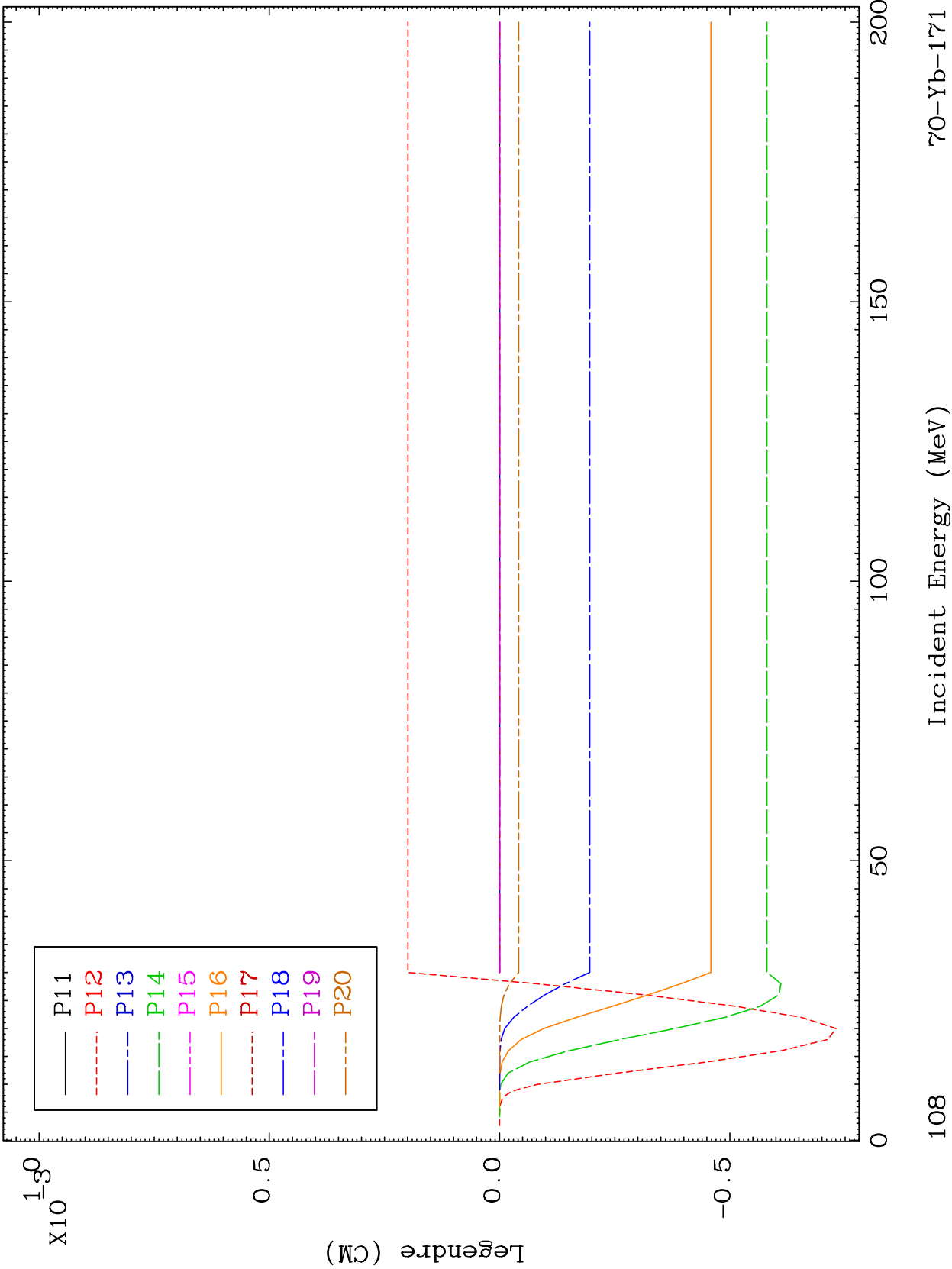




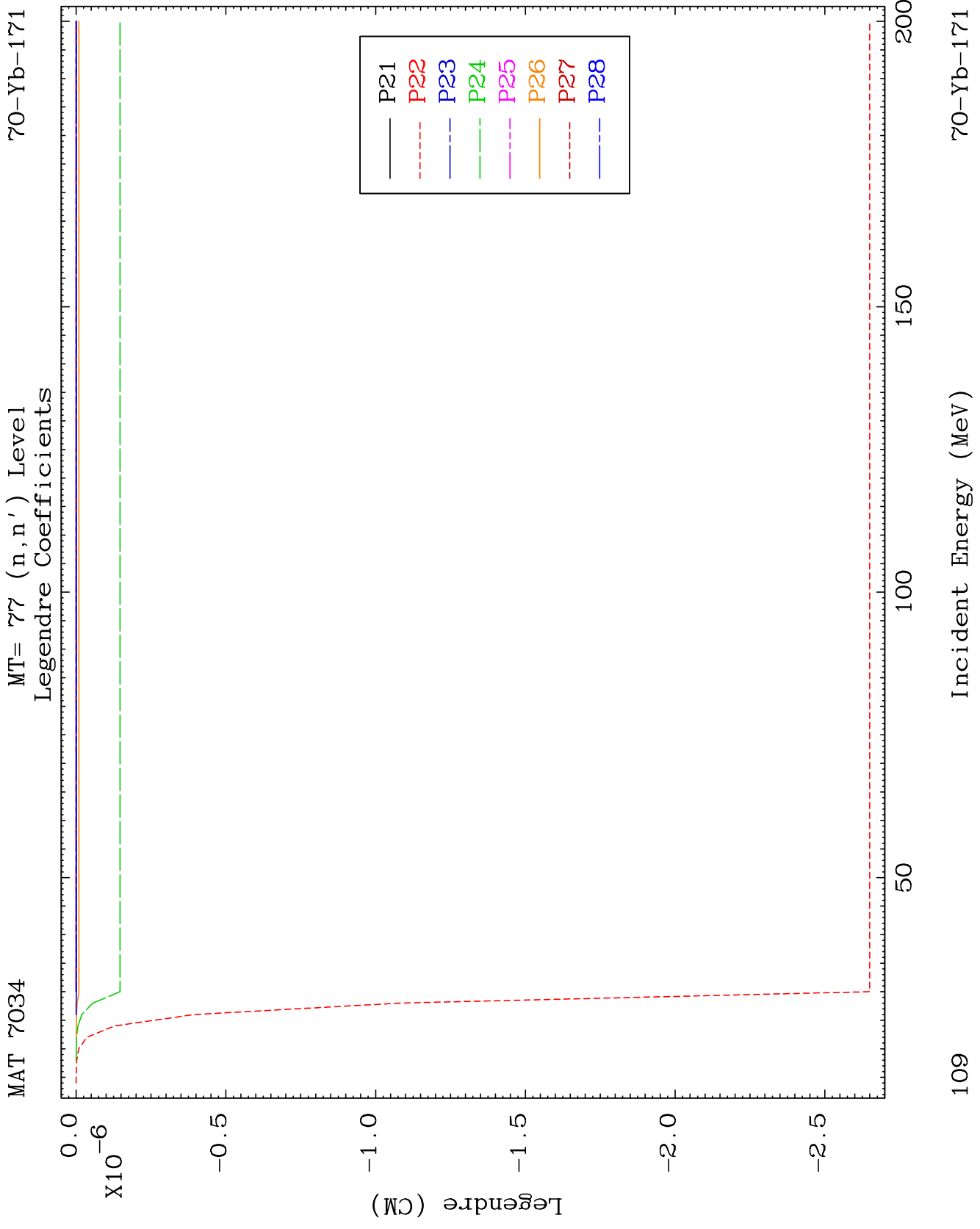
MAT 7034

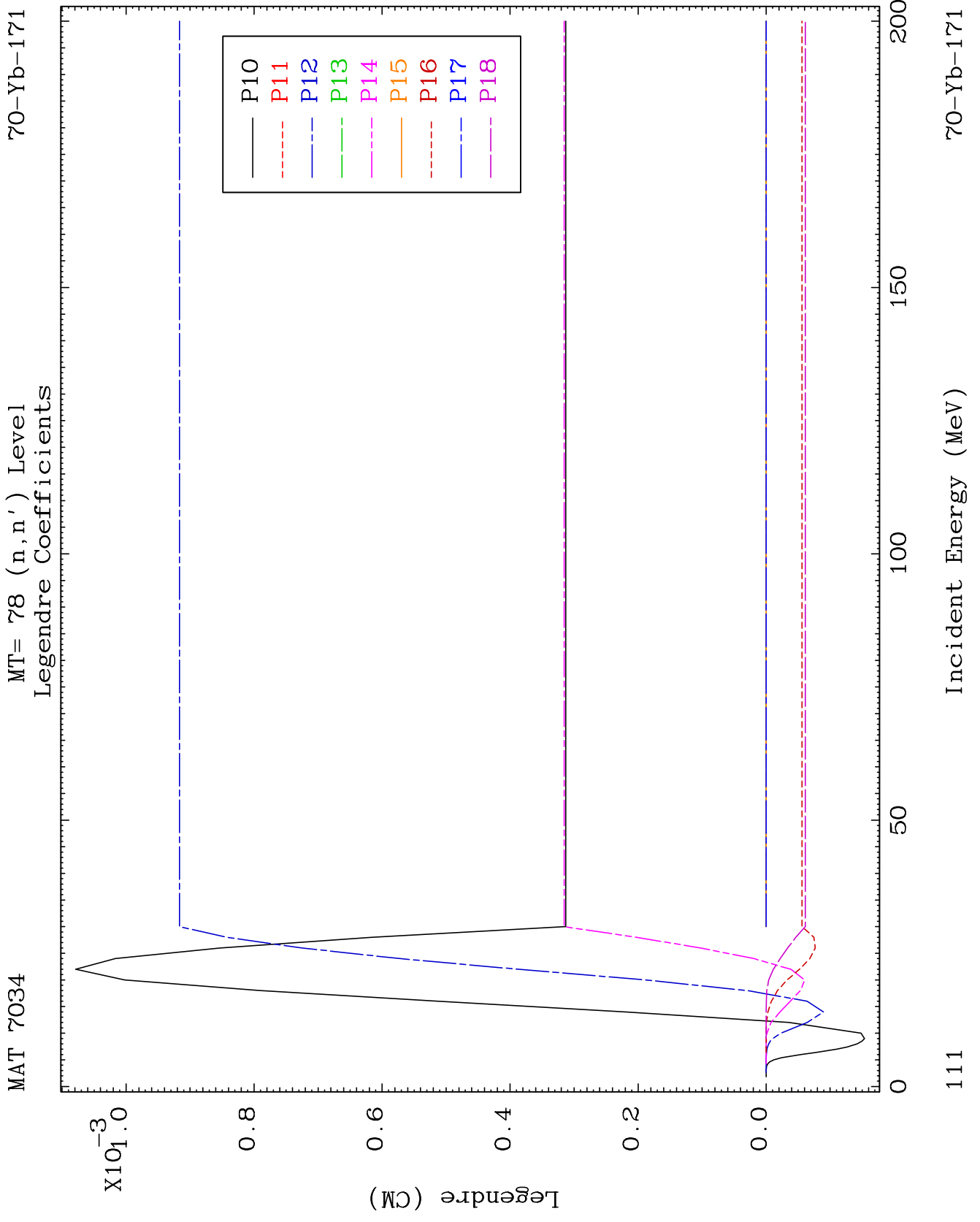
MT= 77 (n,n') Level
Legendre Coefficients

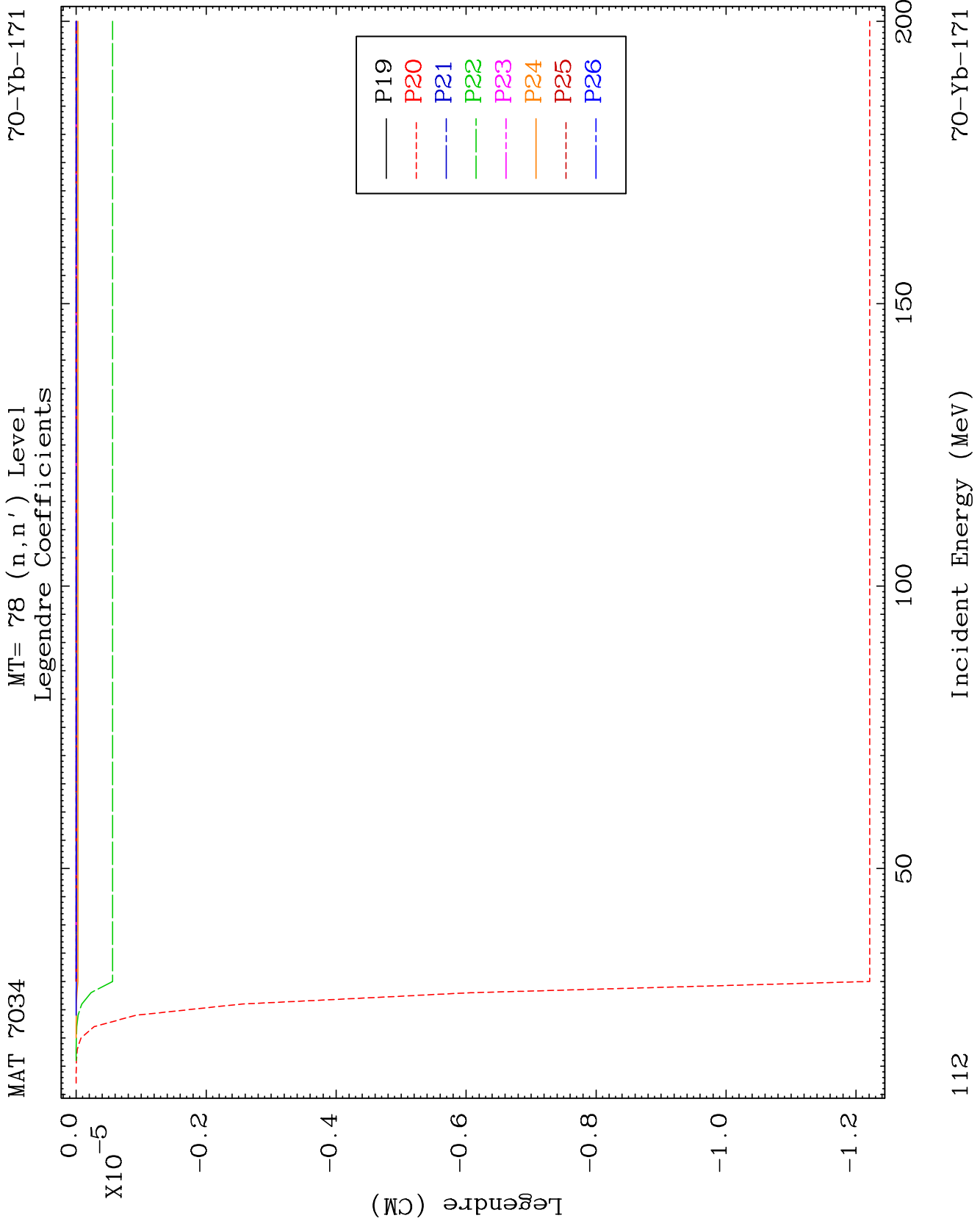
70-Yb-171

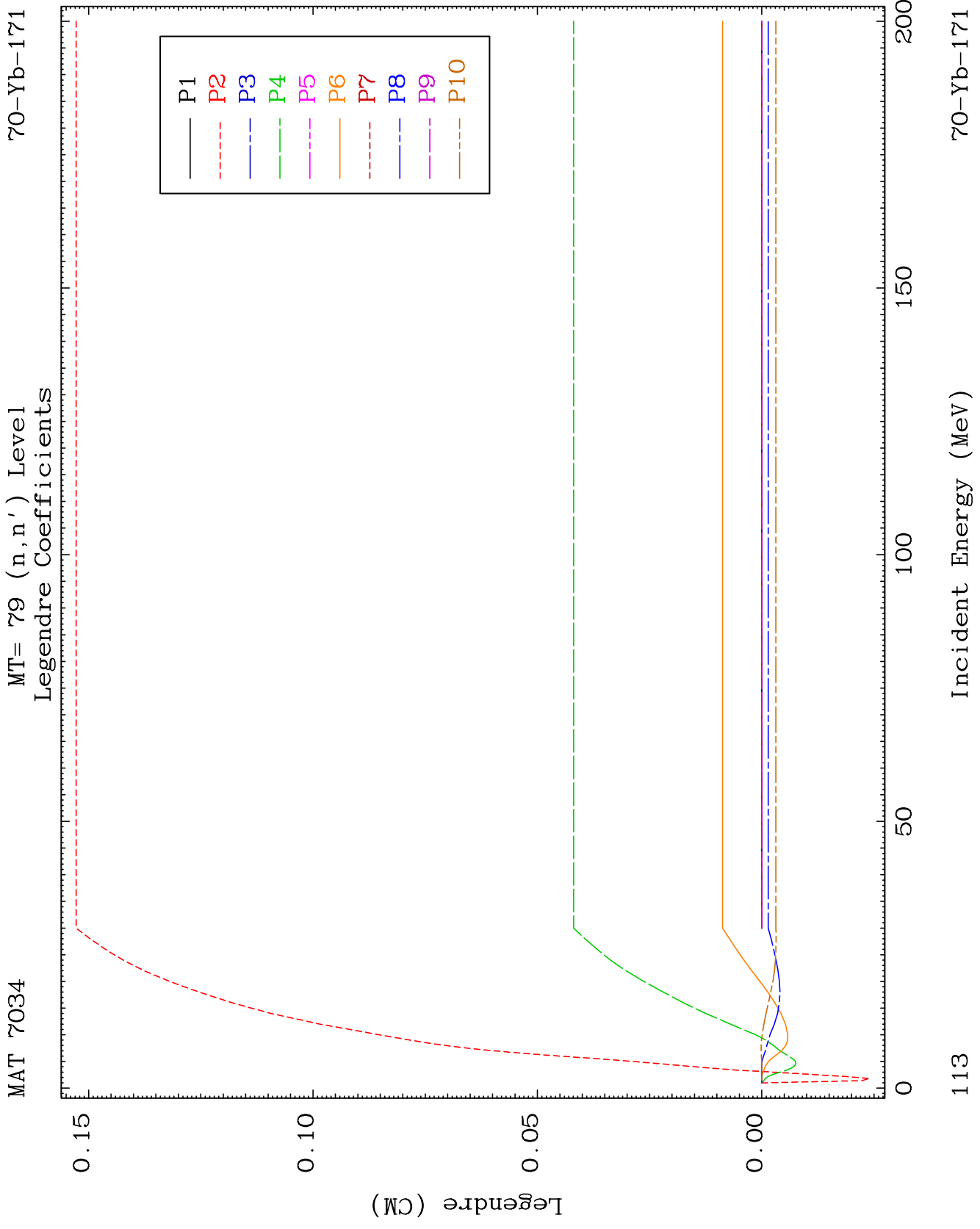


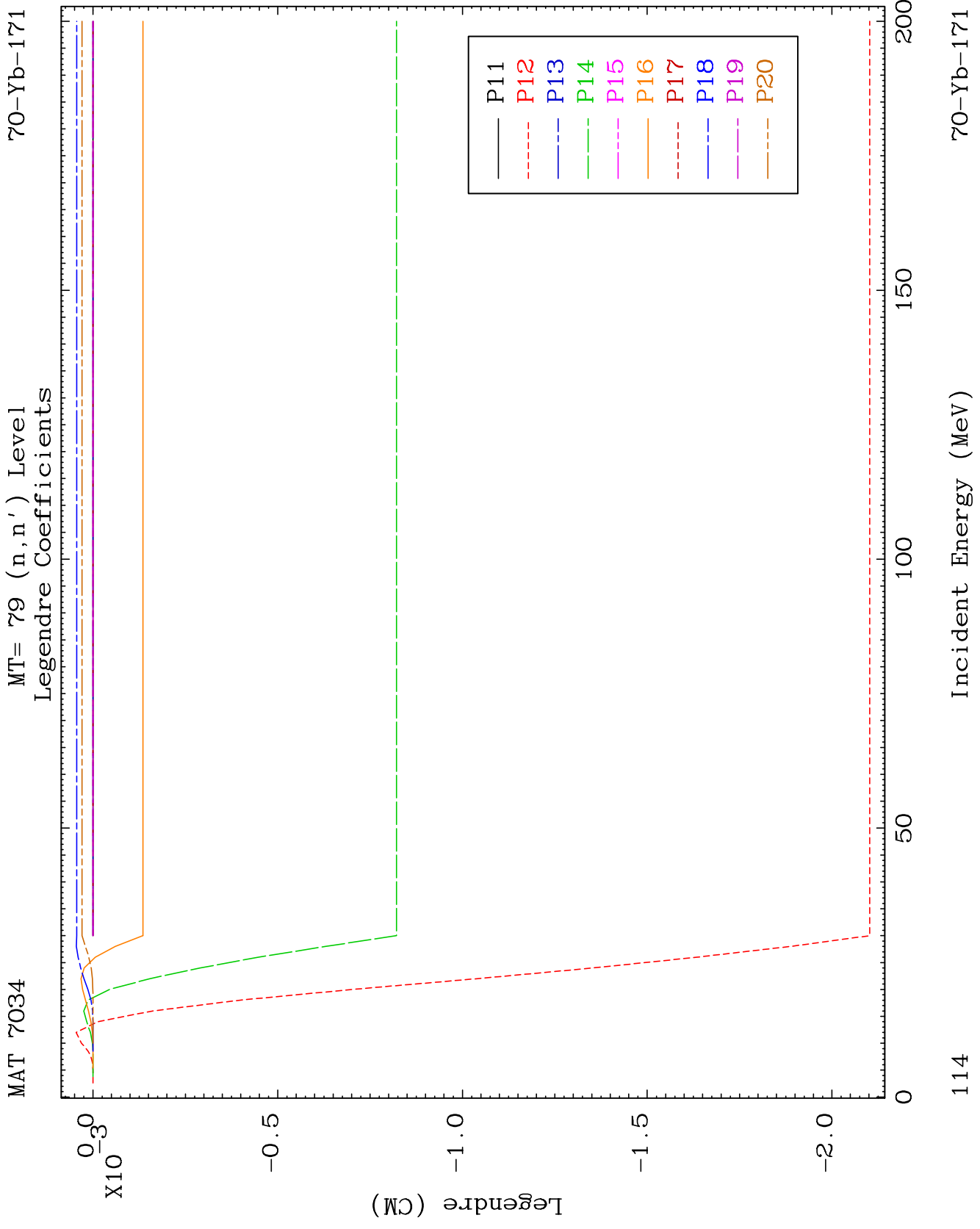
108

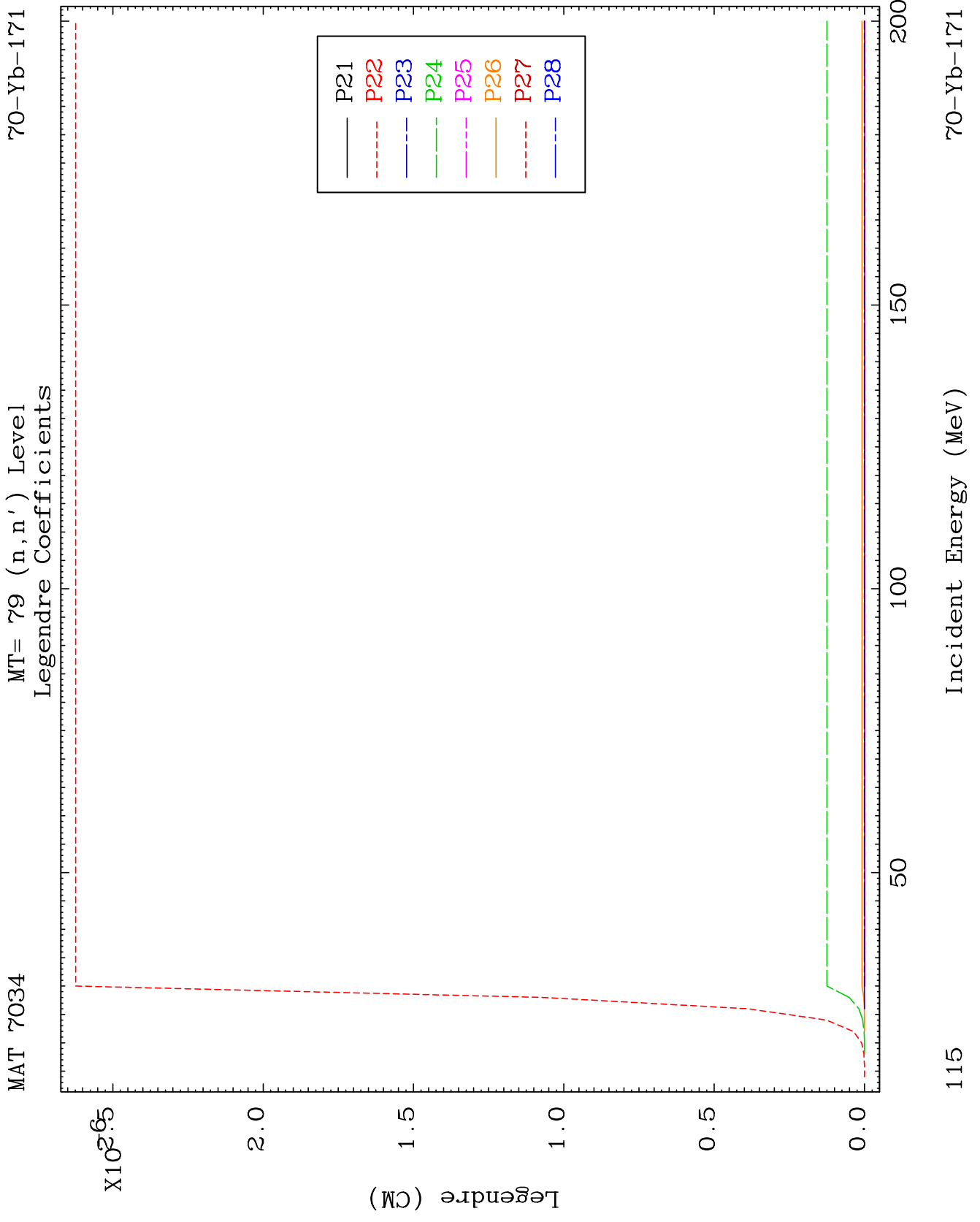


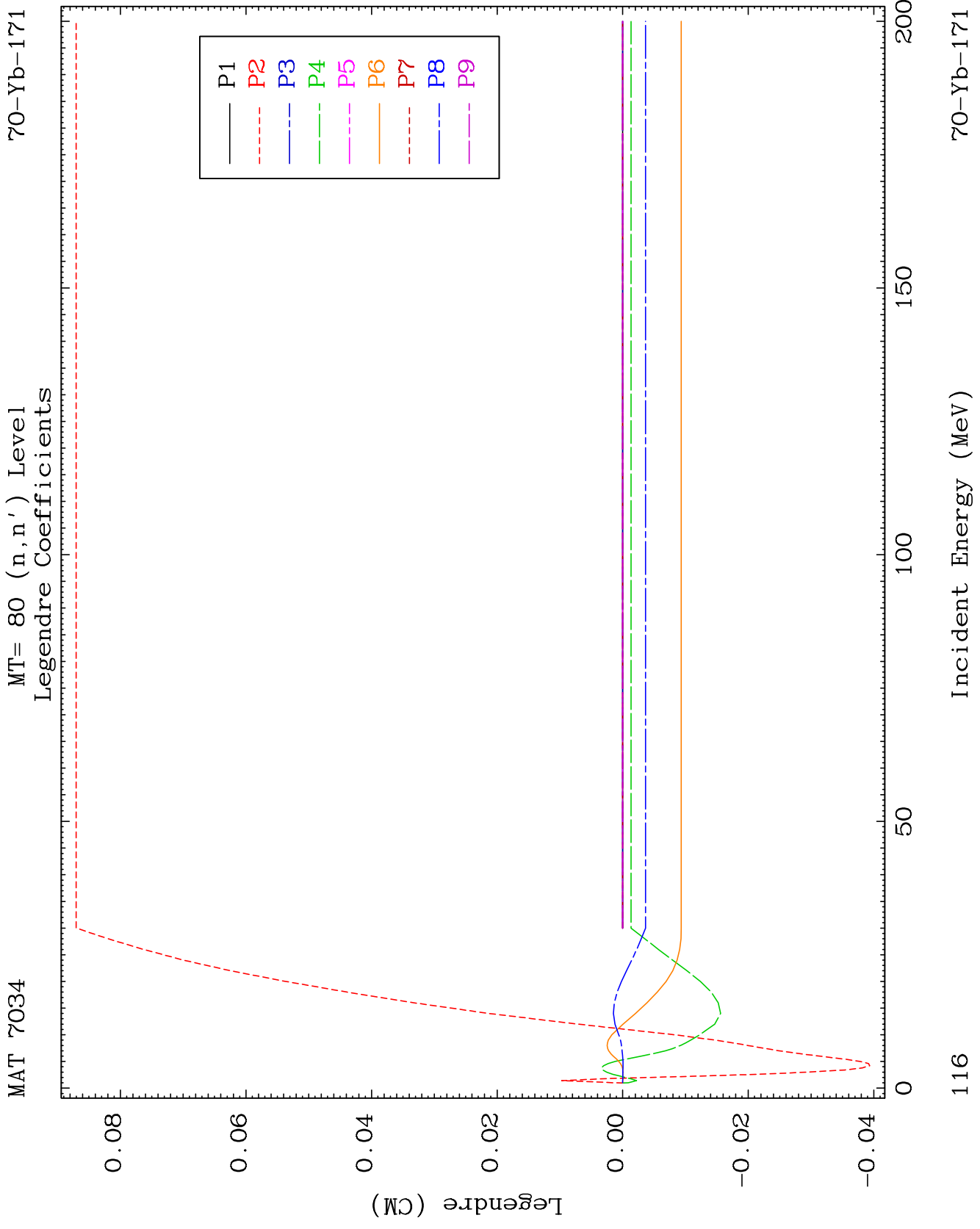


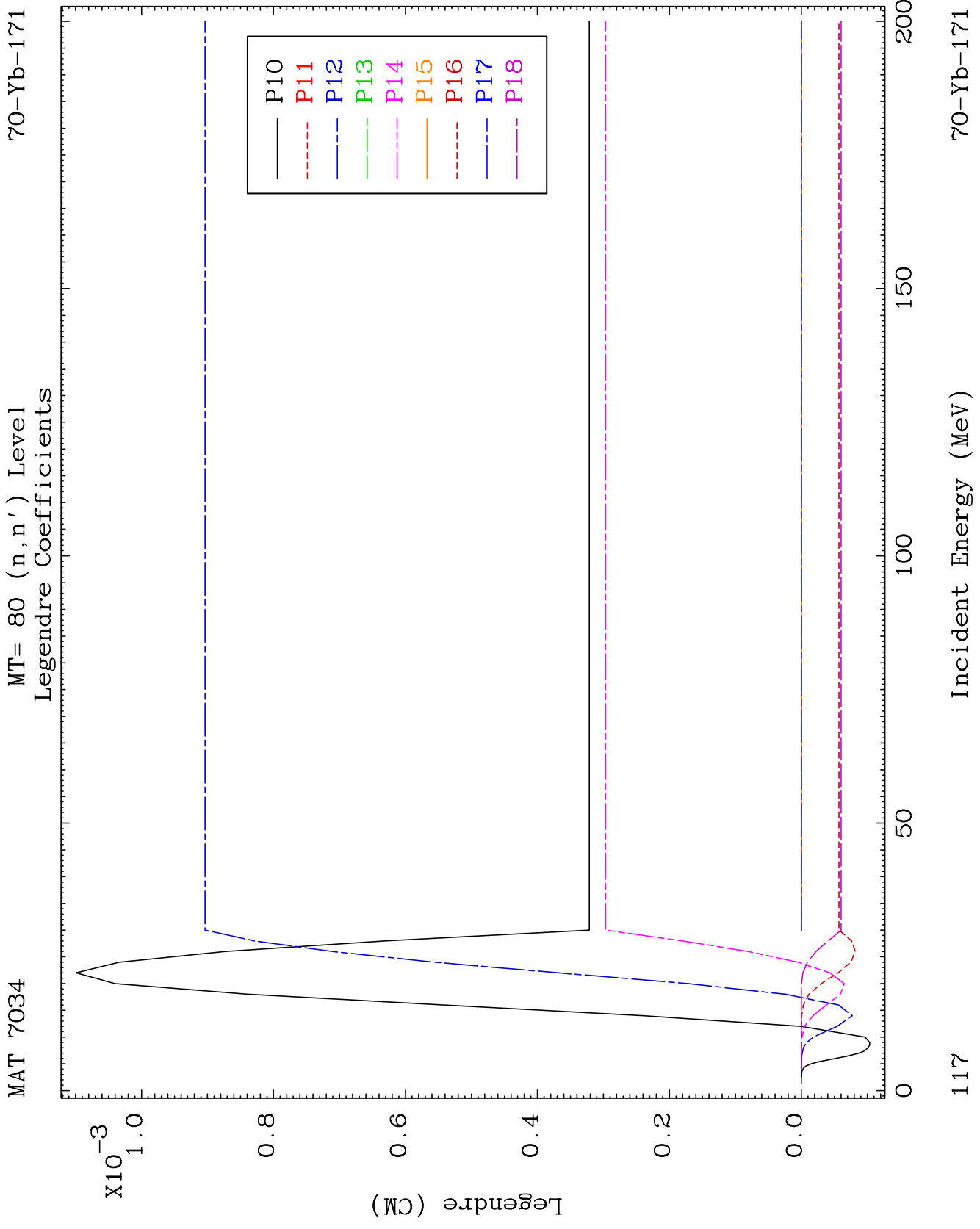








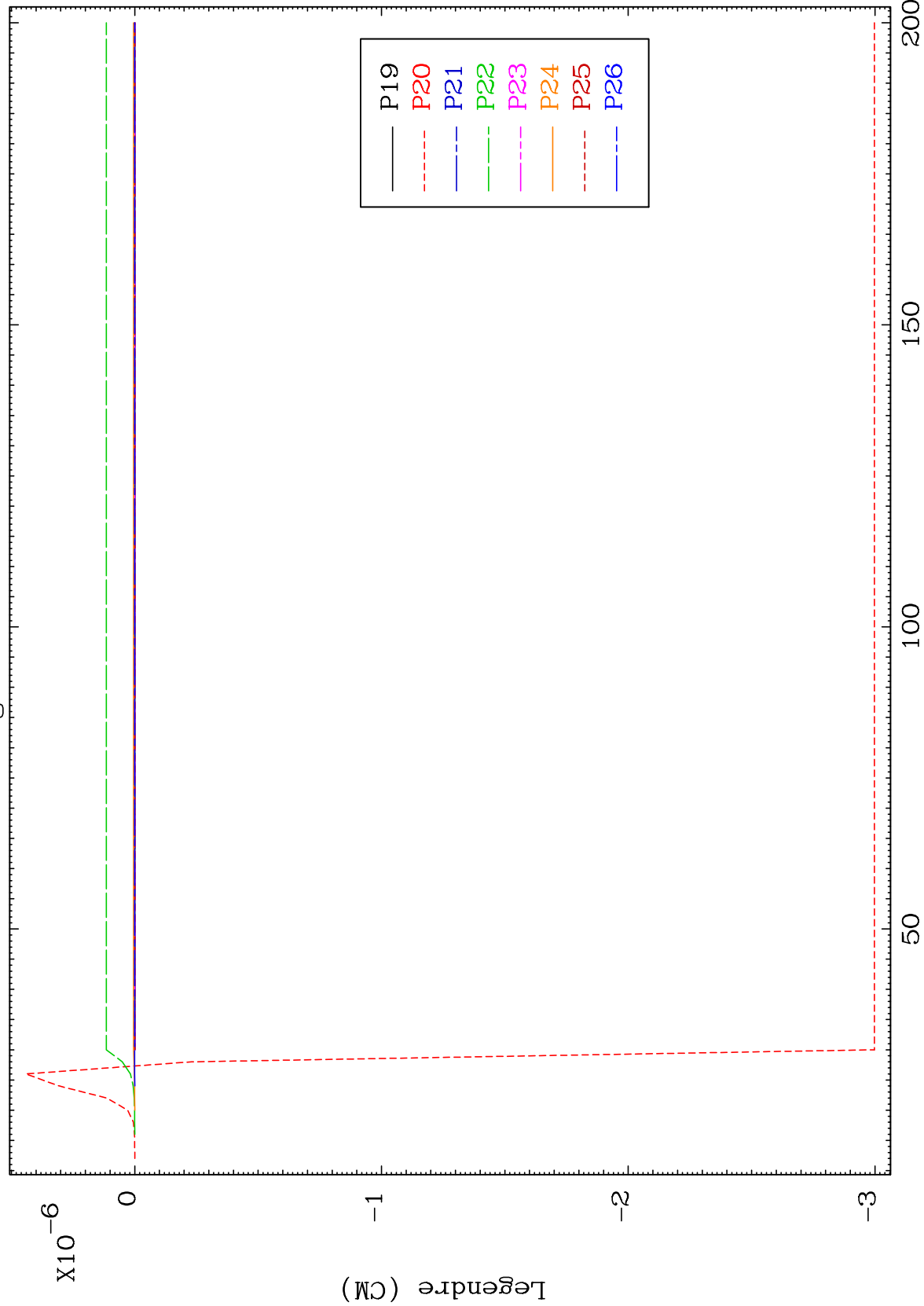




MAT 7034

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

70-Yb-171



118

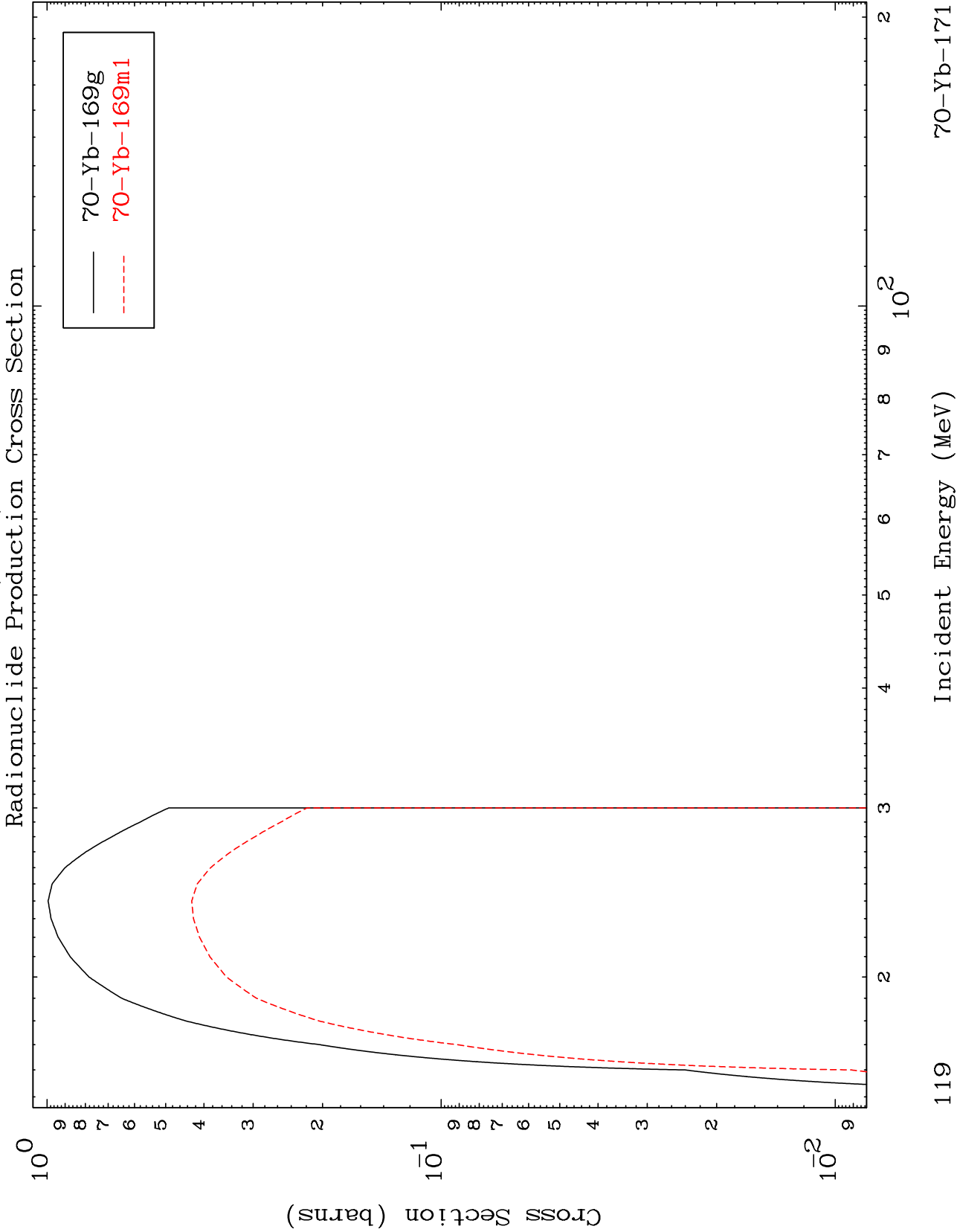
Incident Energy (MeV)

70-Yb-171

MAT 7034

(n,3n)

70-Yb-171



119

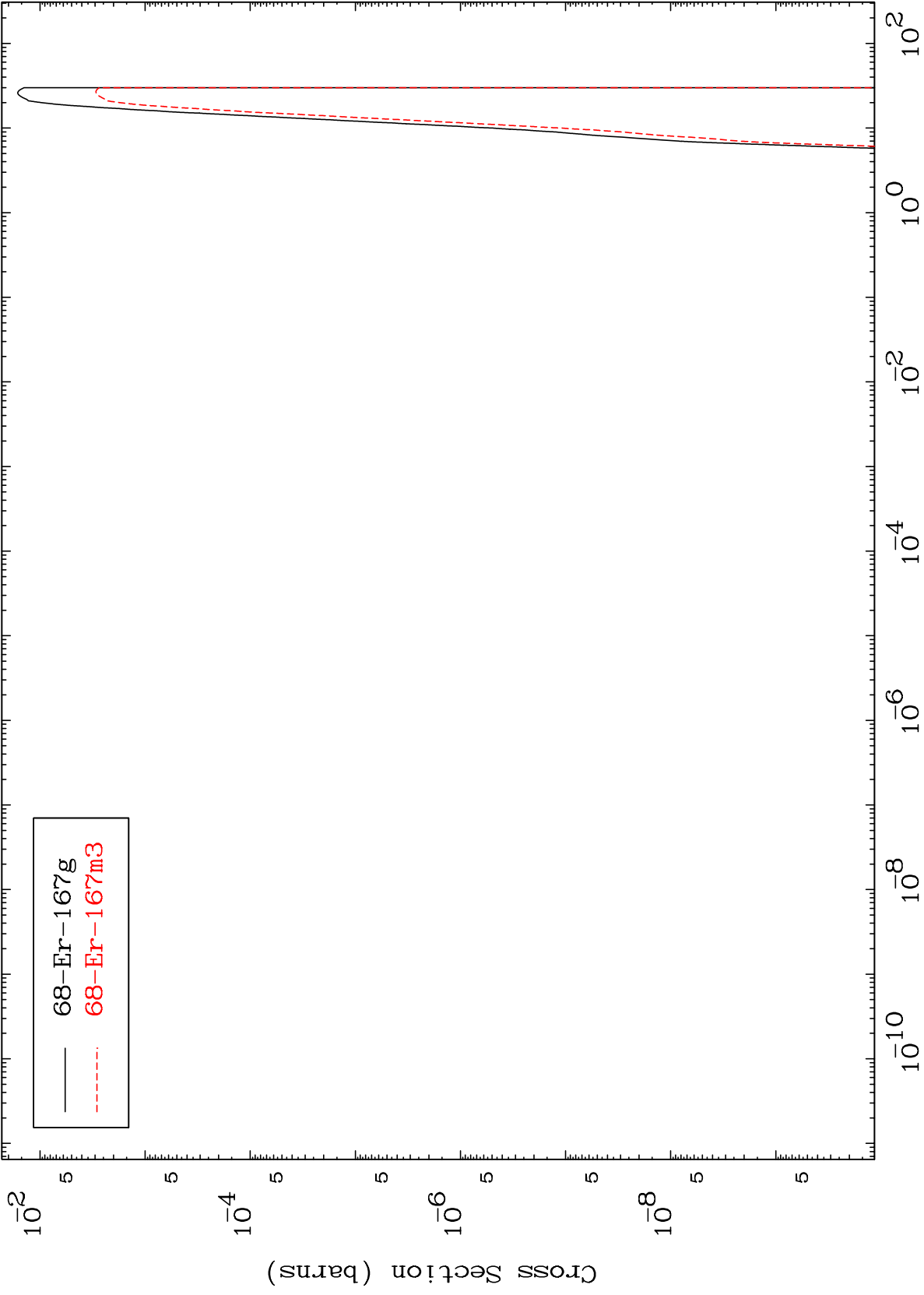
70-Yb-171

MAT 7034

$(n, n') \alpha$

70-Yb-171

Radionuclide Production Cross Section



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

120

Incident Energy (MeV)

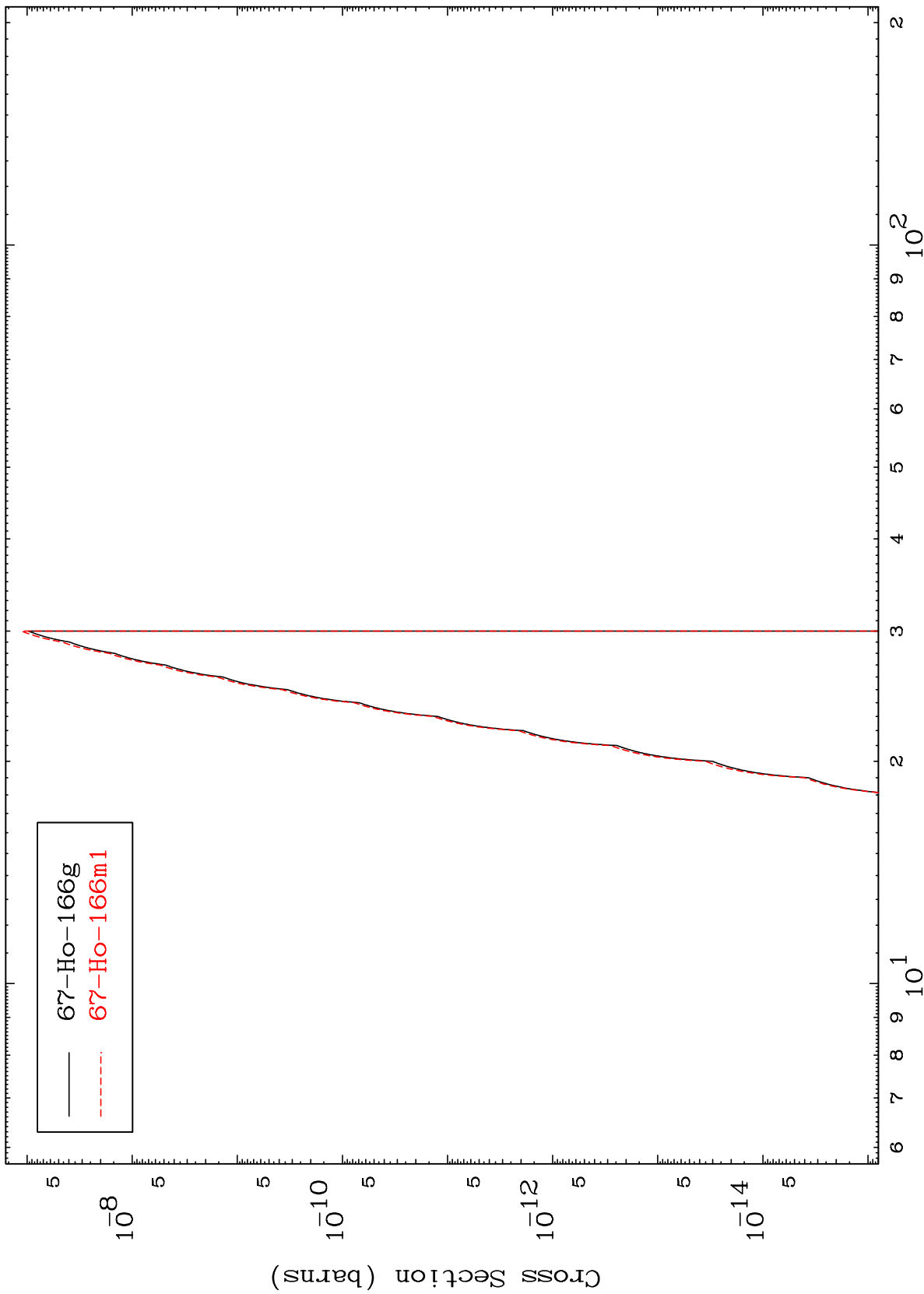
70-Yb-171

MAT 7034

(n,n') p α

70-Yb-171

Radionuclide Production Cross Section



— 67-Ho-166g
- - - 67-Ho-166m1

121

Incident Energy (MeV)

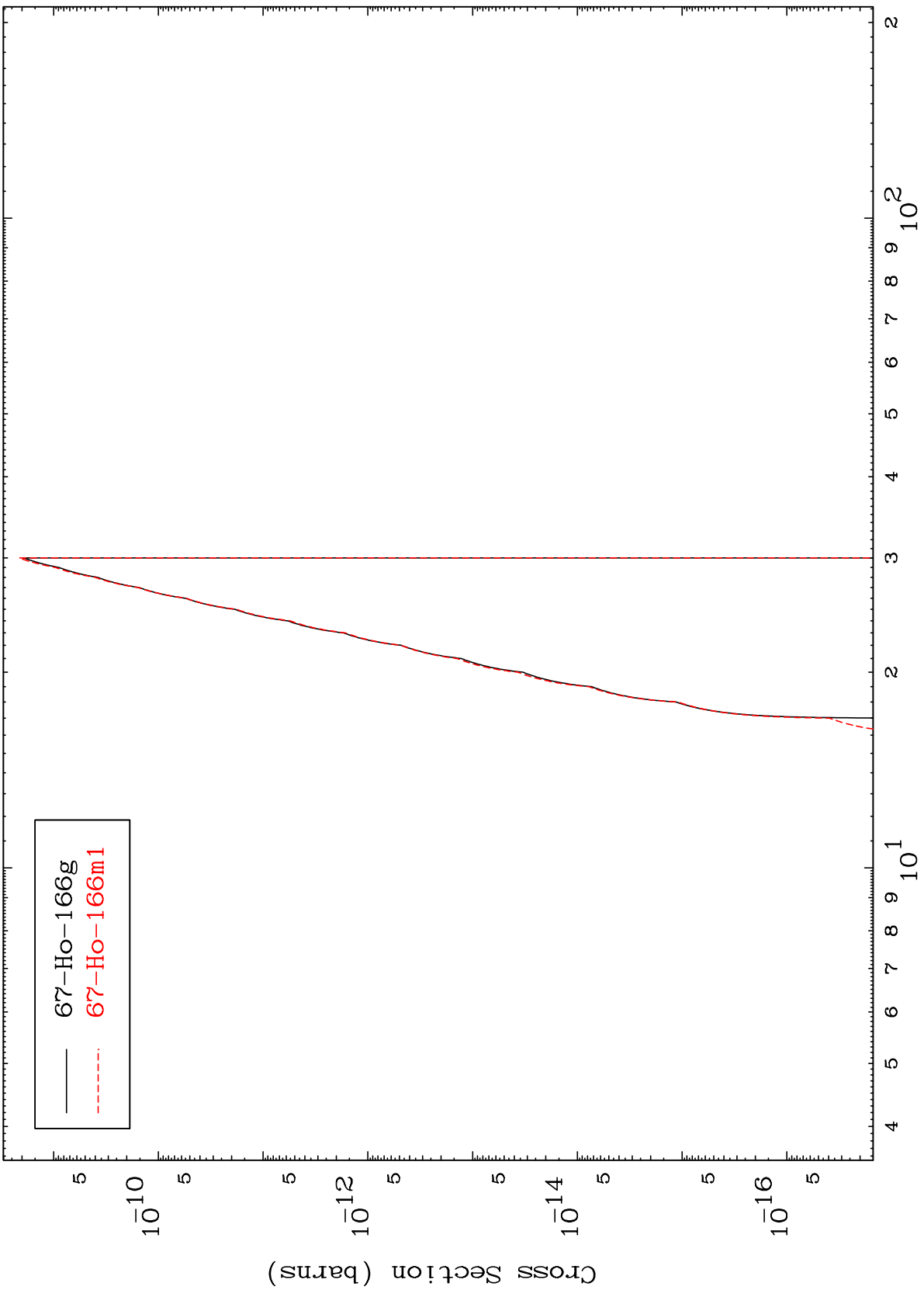
70-Yb-171

MAT 7034

(n,d) α

70-Yb-171

Radionuclide Production Cross Section



122

Incident Energy (MeV)

70-Yb-171