

Program EVALPLOT
(Version 2018-1)

by

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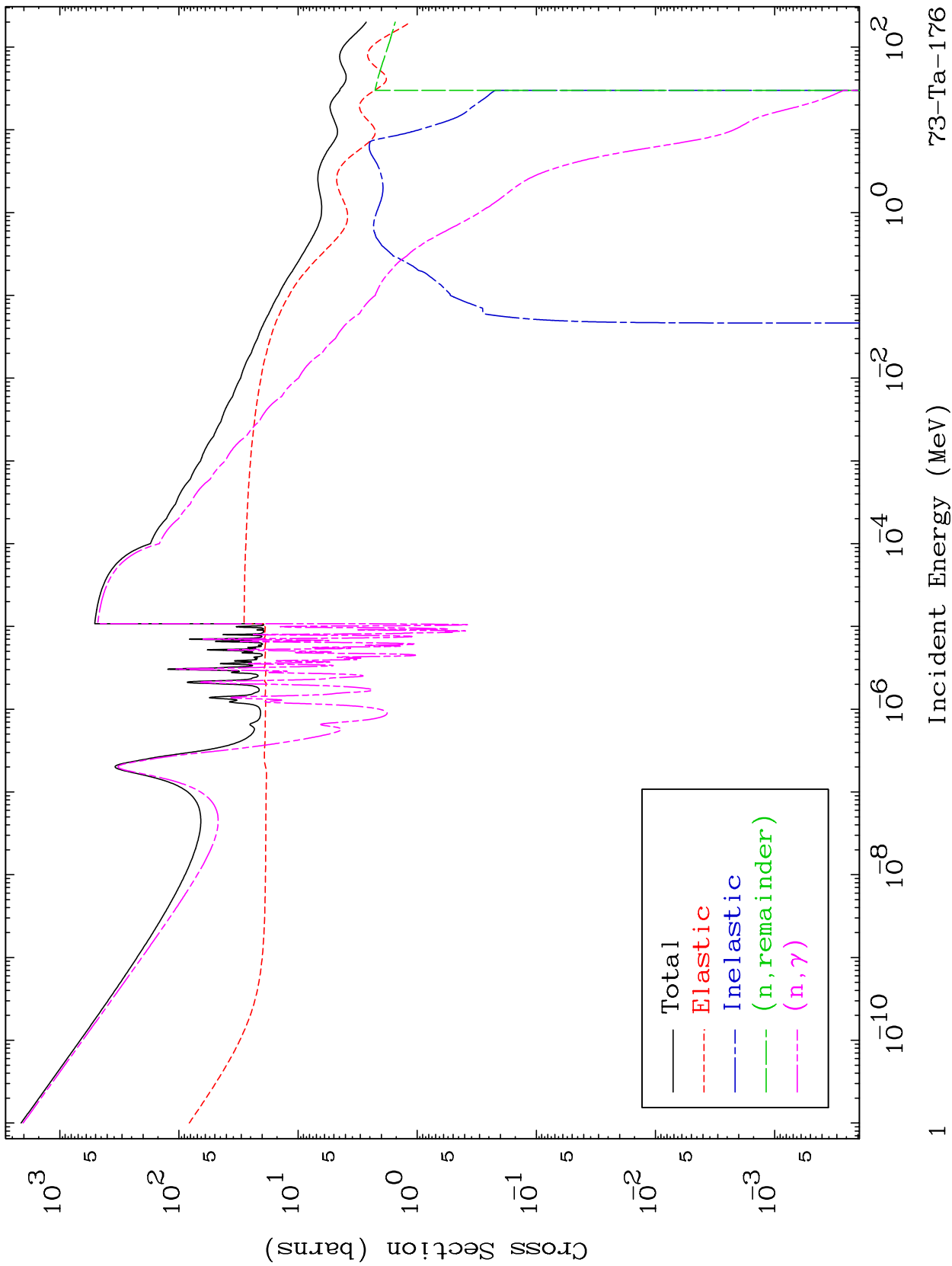
Press Mouse Button to Start

MAT 7313

Major

293 Kelvin Cross Sections

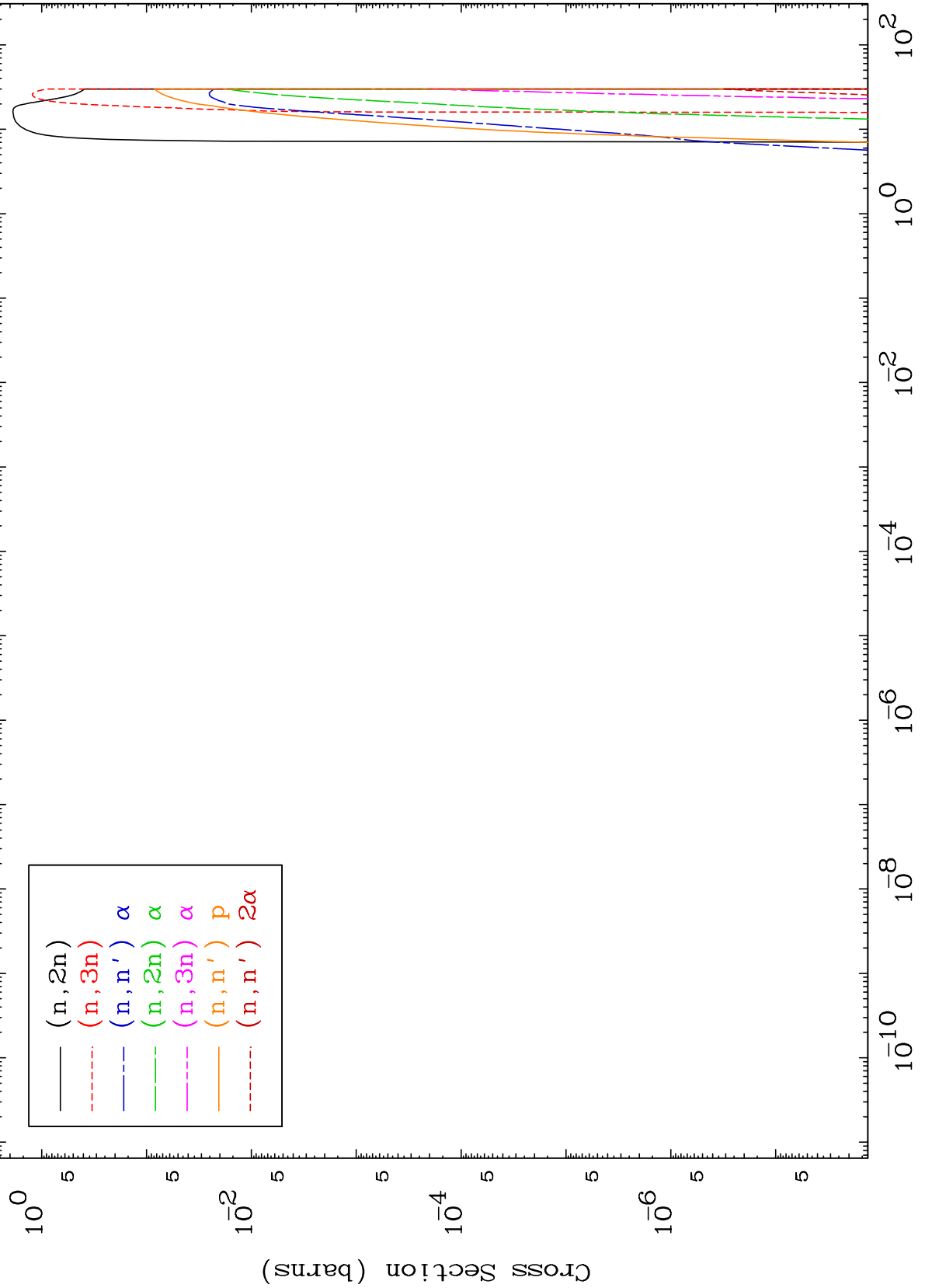
73-Ta-176



MAT 7313

Neutron Production
293 Kelvin Cross Sections

73-Ta-176



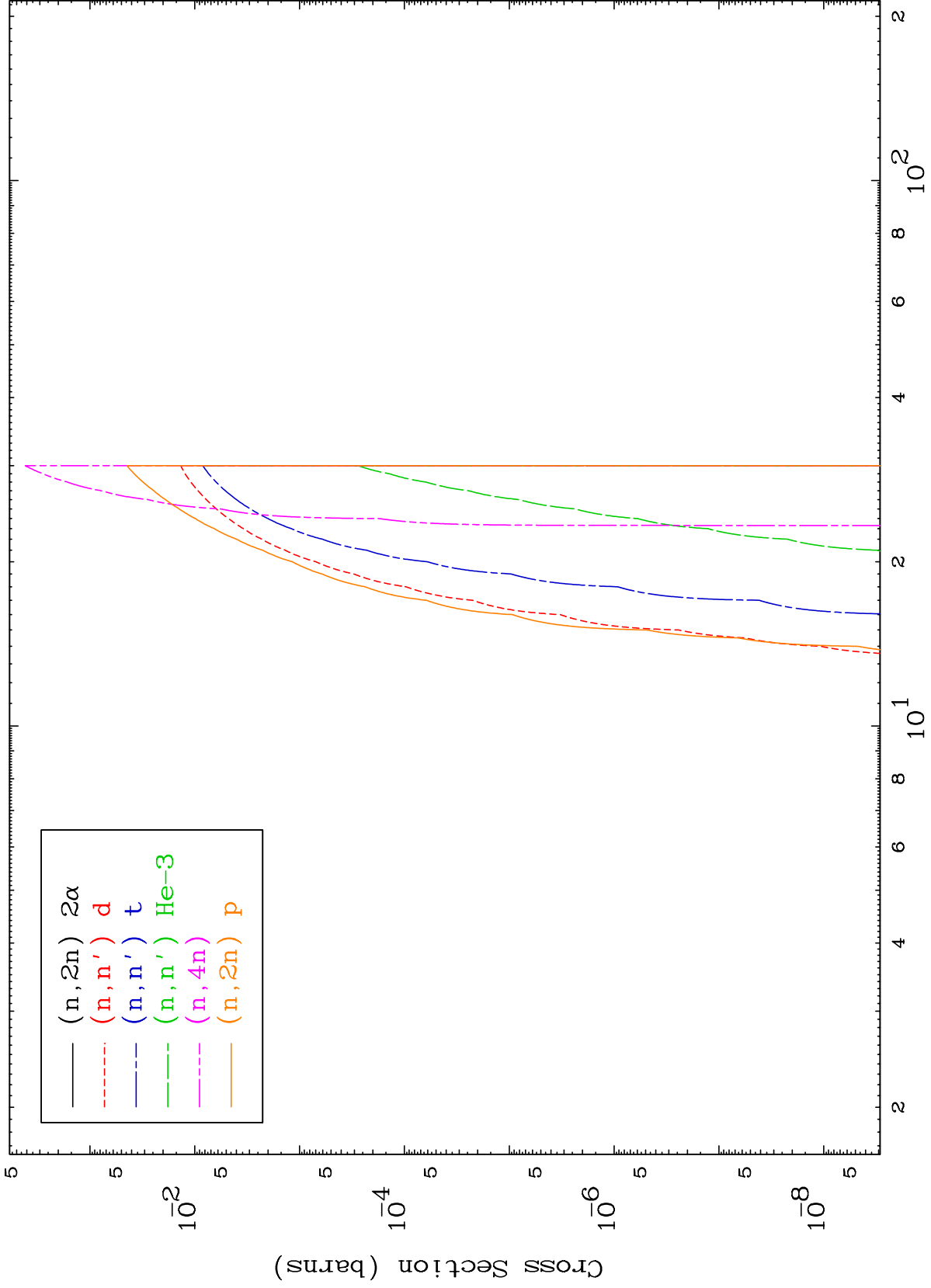
73-Ta-176

Incident Energy (MeV)

MAT 7313

Neutron Production
293 Kelvin Cross Sections

73-Ta-176



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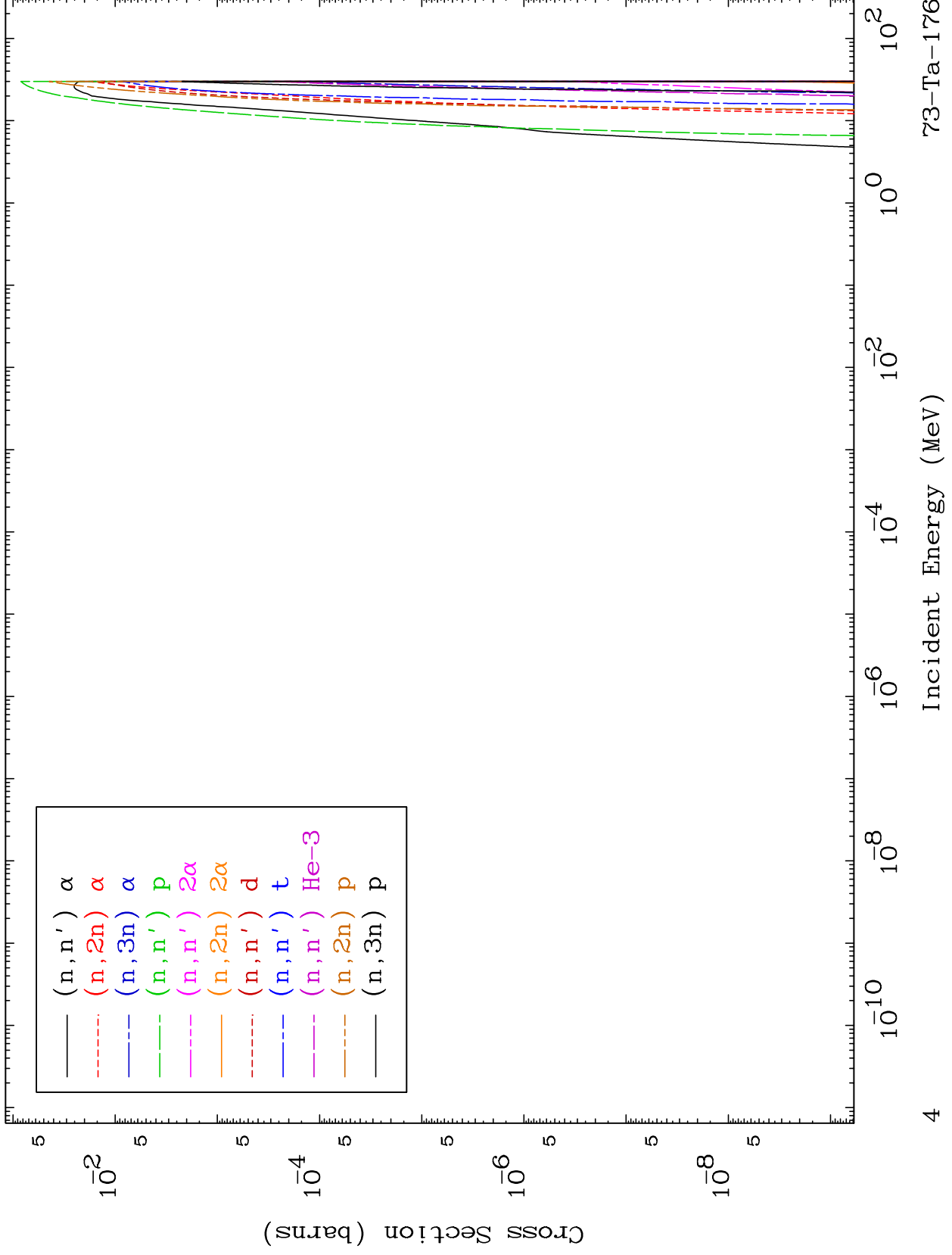
Incident Energy (MeV)

73-Ta-176

MAT 7313

Charged Particle
293 Kelvin Cross Sections

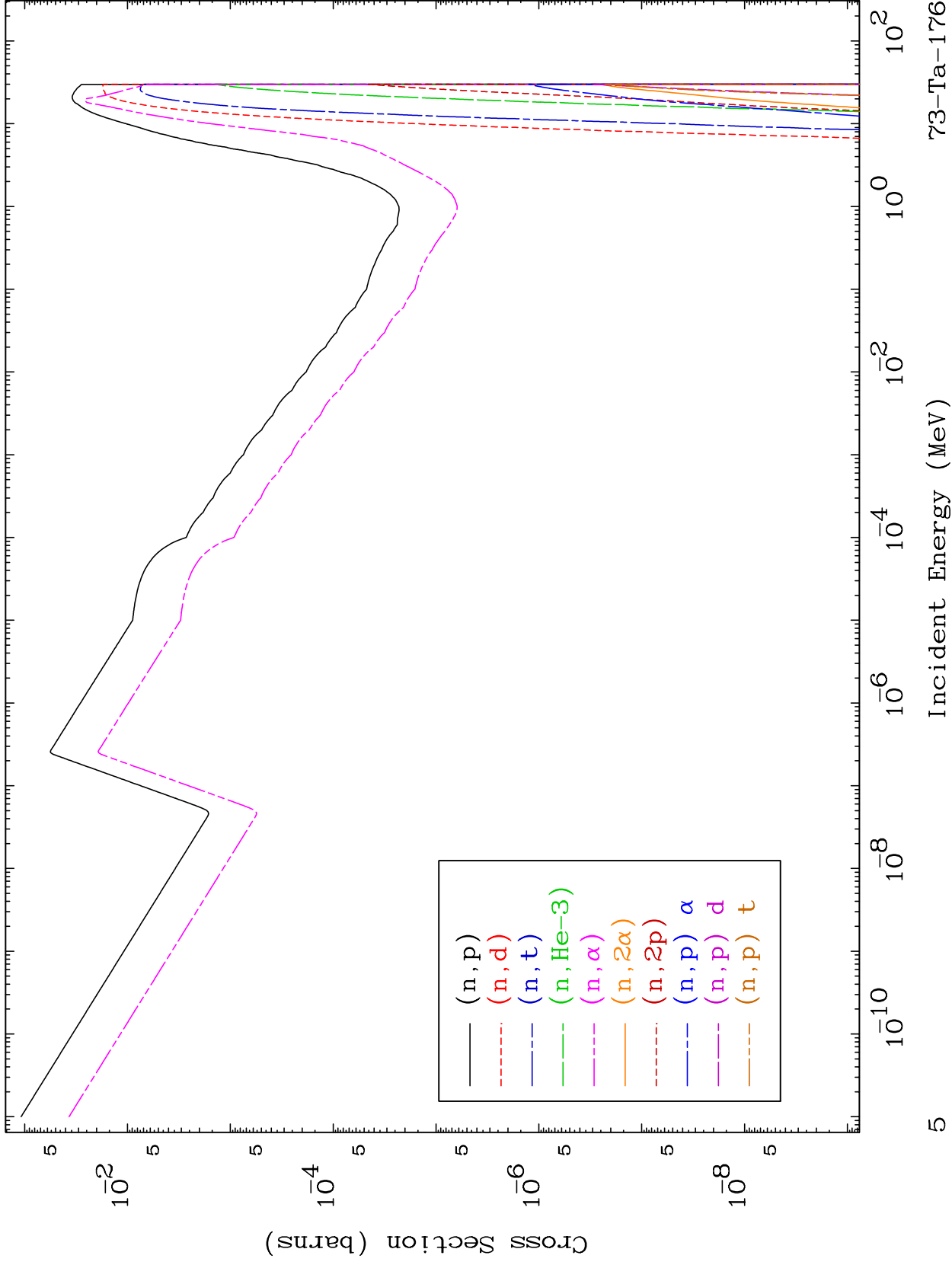
73-Ta-176



MAT 7313

Charged Particle
293 Kelvin Cross Sections

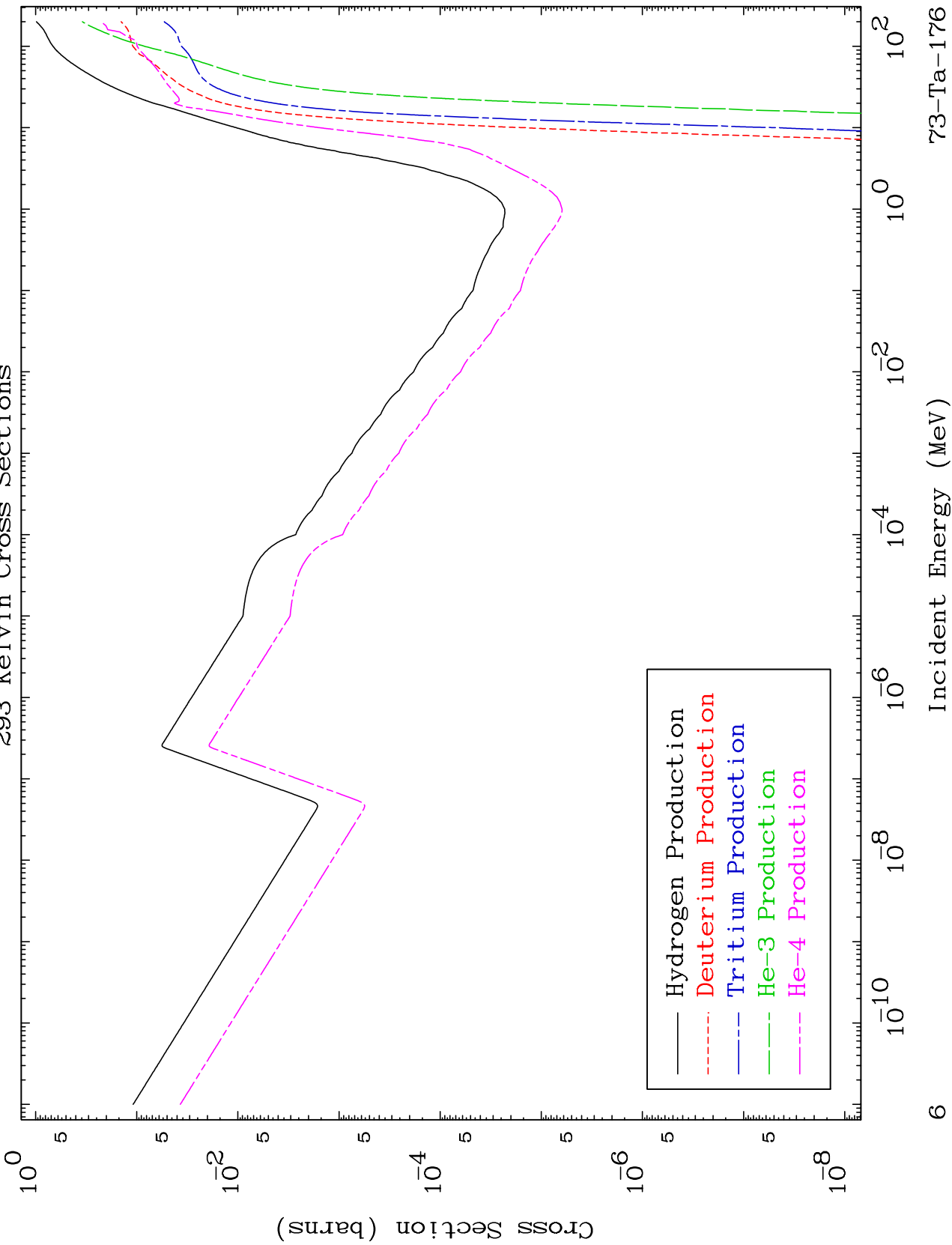
73-Ta-176



MAT 7313

Particle Production
293 Kelvin Cross Sections

73-Ta-176

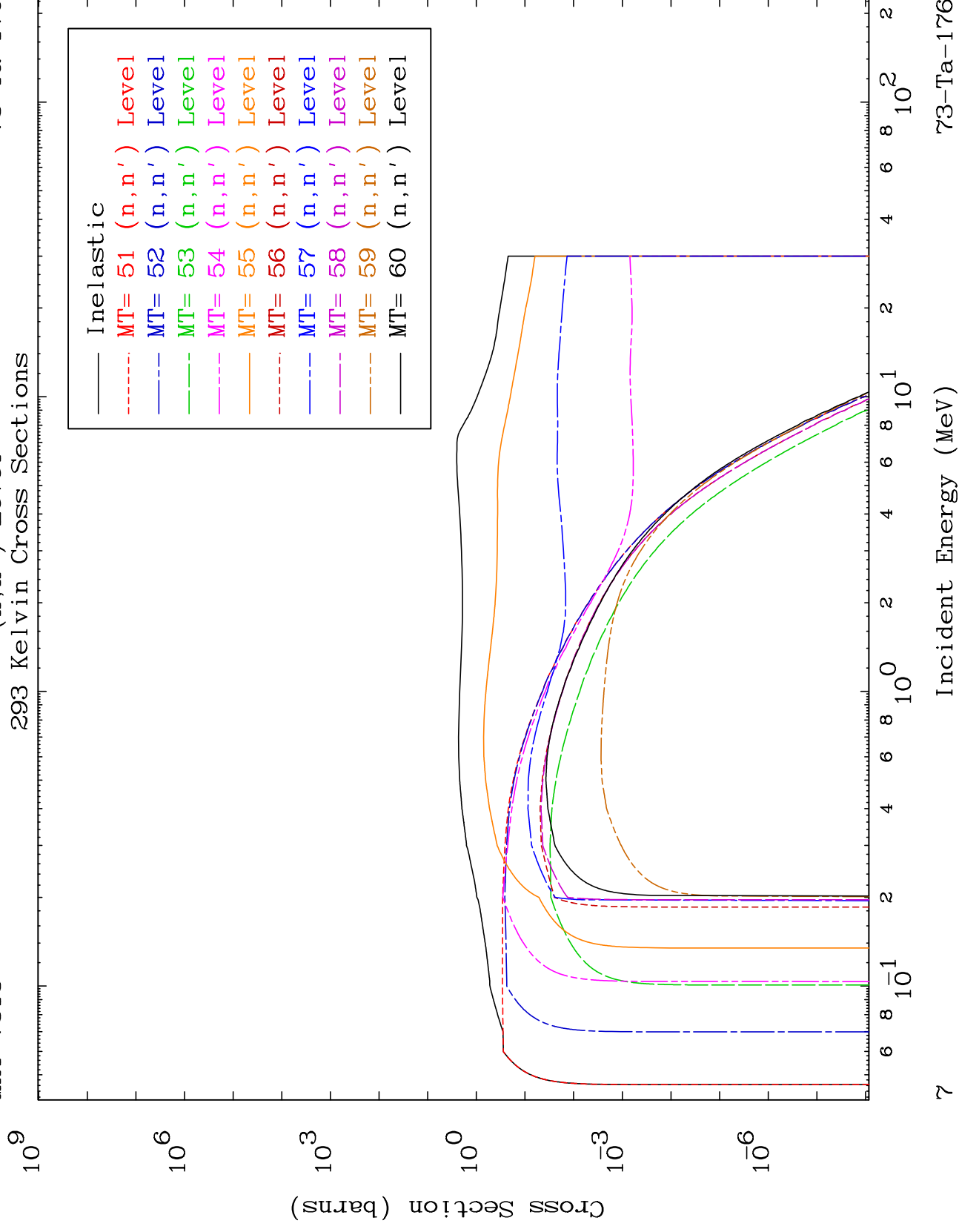


MAT 7313

(n,n') Level

293 Kelvin Cross Sections

73-Ta-176

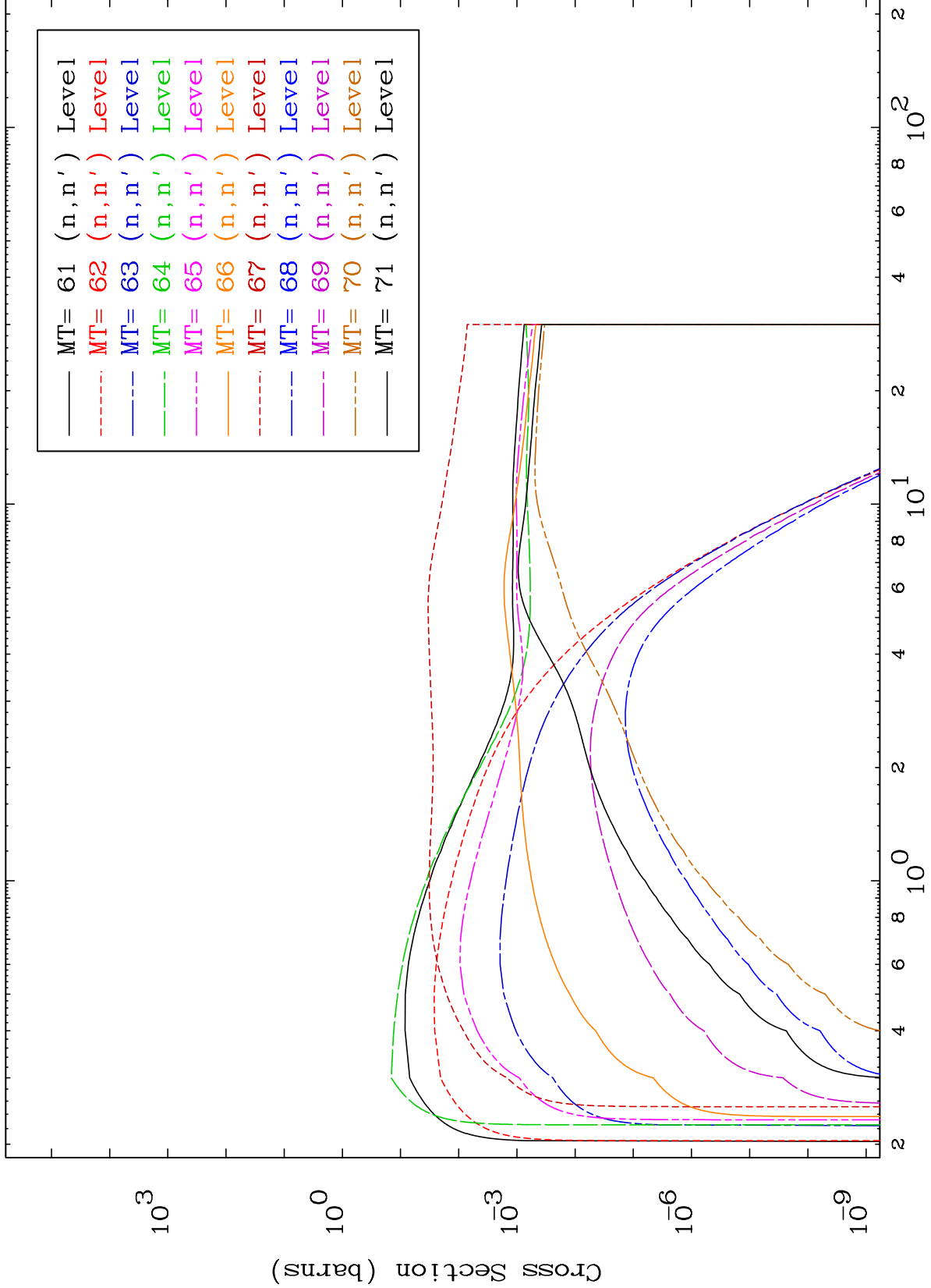


MAT 7313

(n,n') Level

293 Kelvin Cross Sections

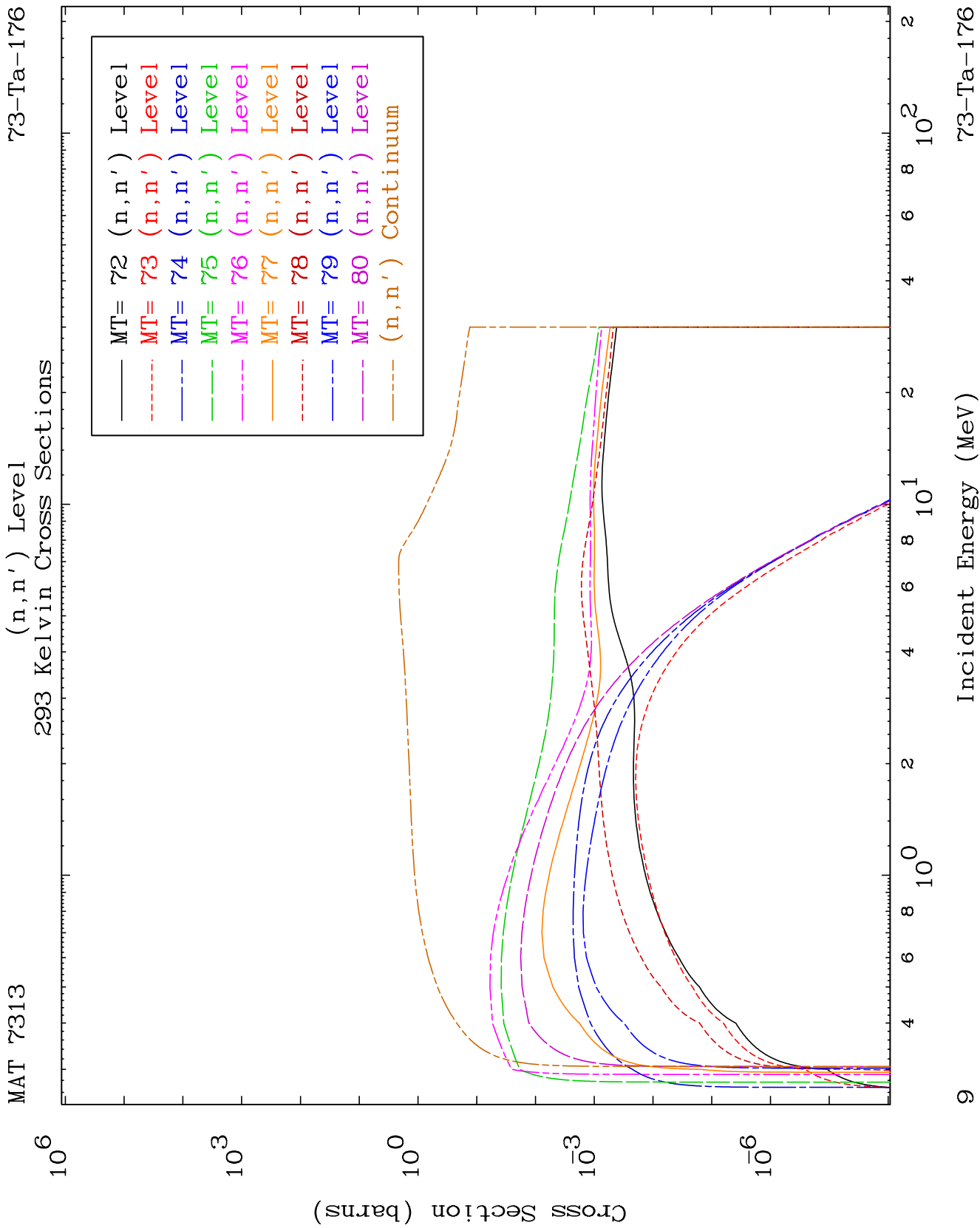
73-Ta-176



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Incident Energy (MeV)

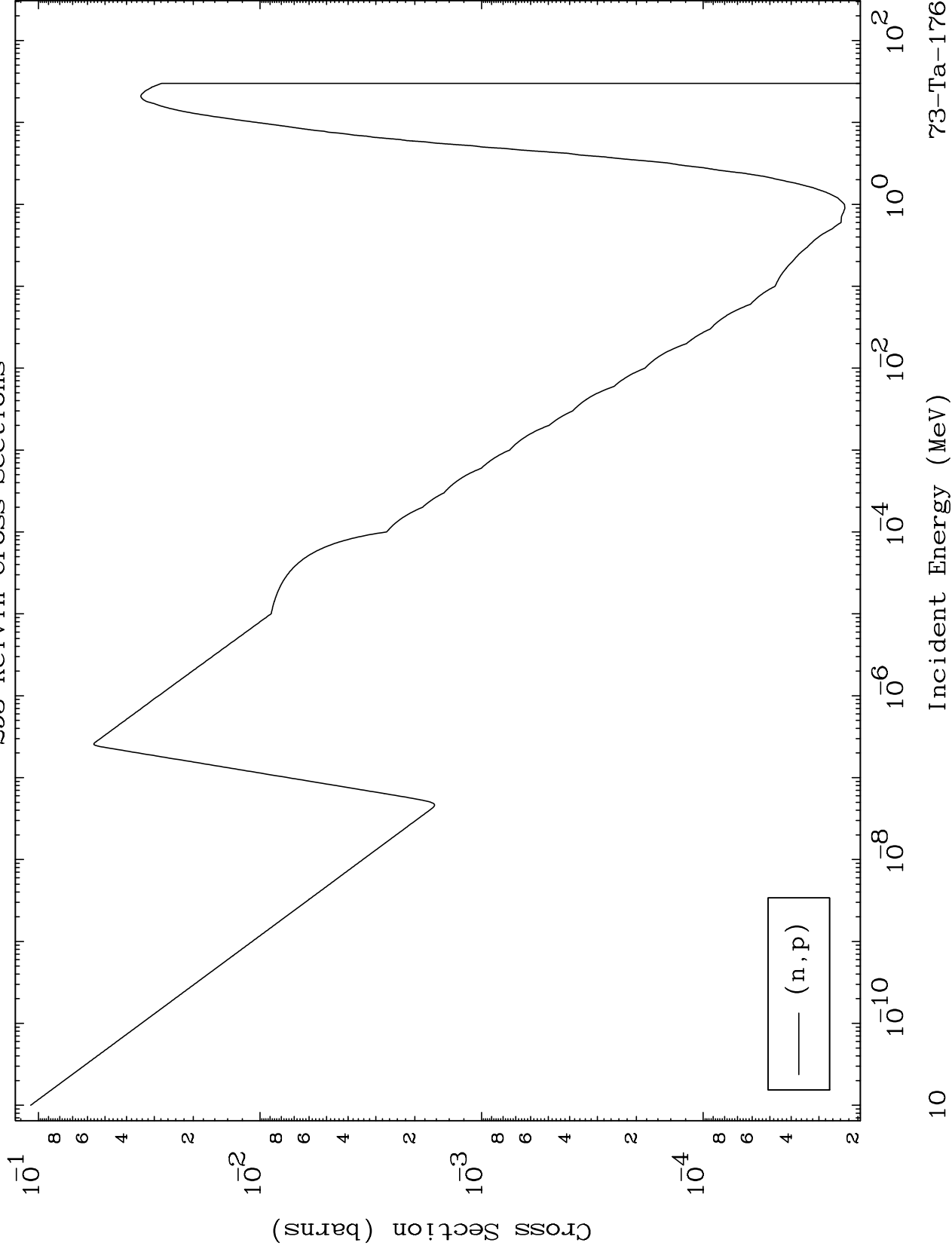
73-Ta-176



MAT 7313

(n,p) Levels
293 Kelvin Cross Sections

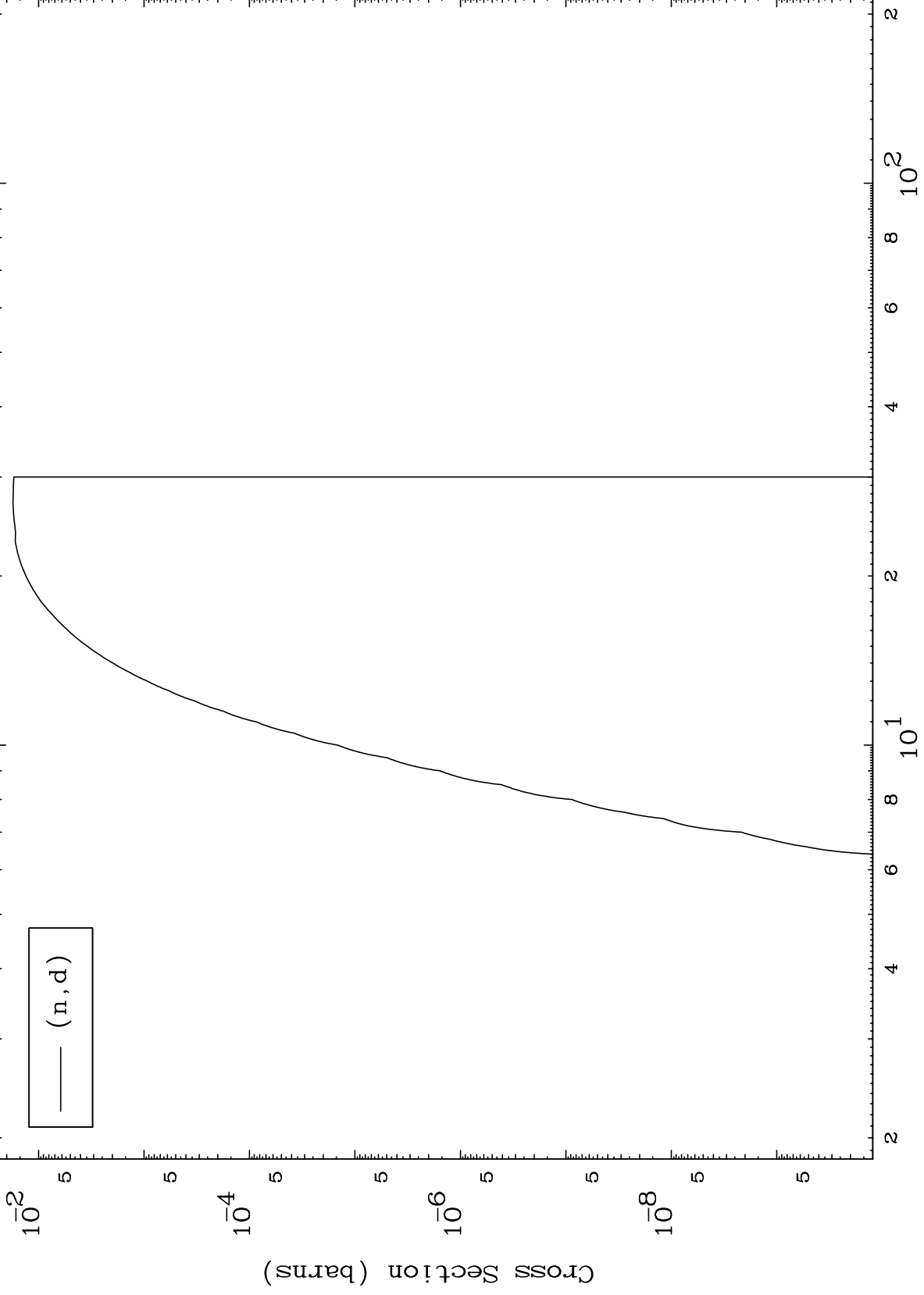
73-Ta-176



MAT 7313

(n,d) Levels
293 Kelvin Cross Sections

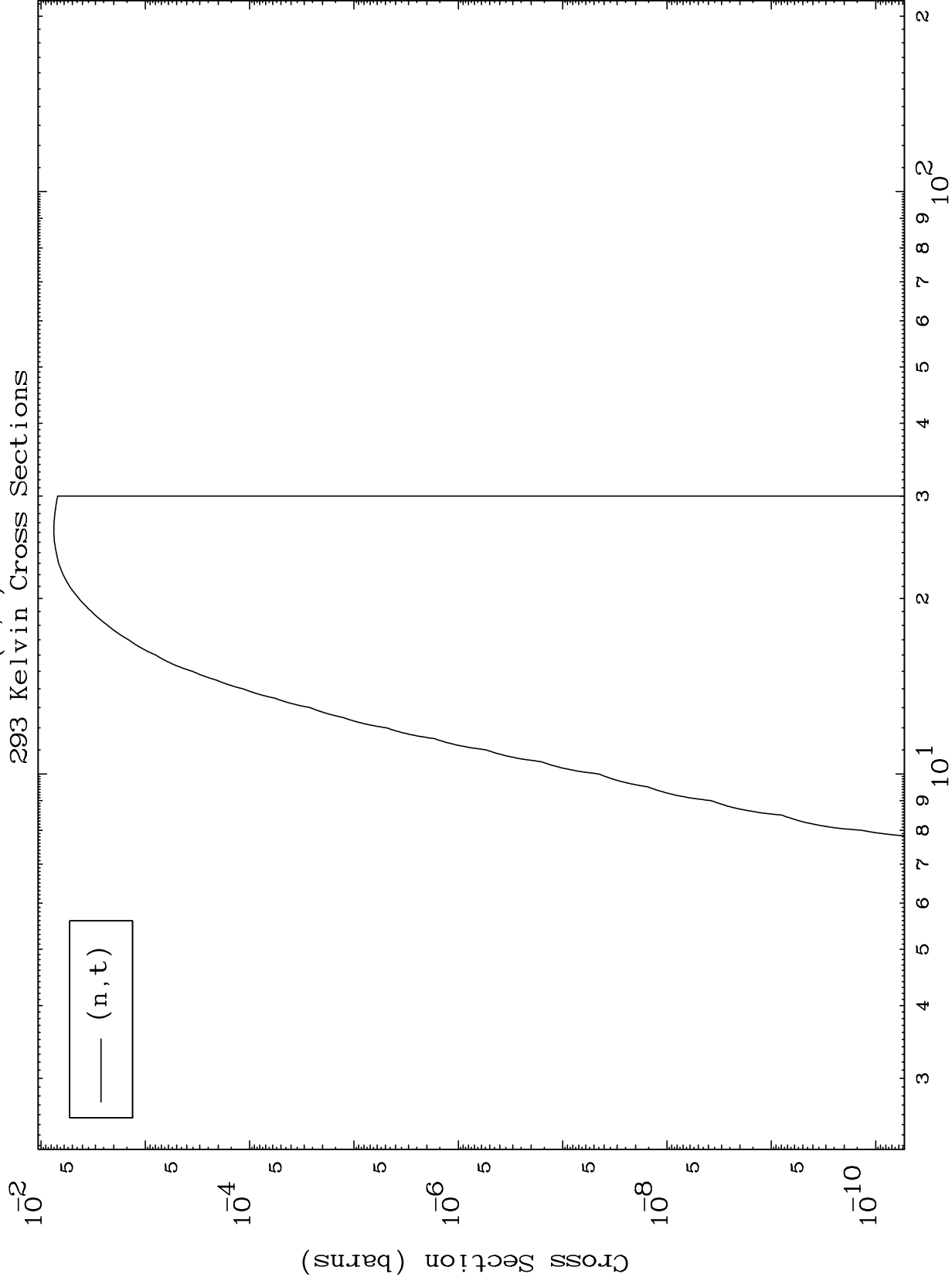
73-Ta-176



MAT 7313

(n,t) Levels
293 Kelvin Cross Sections

73-Ta-176



12

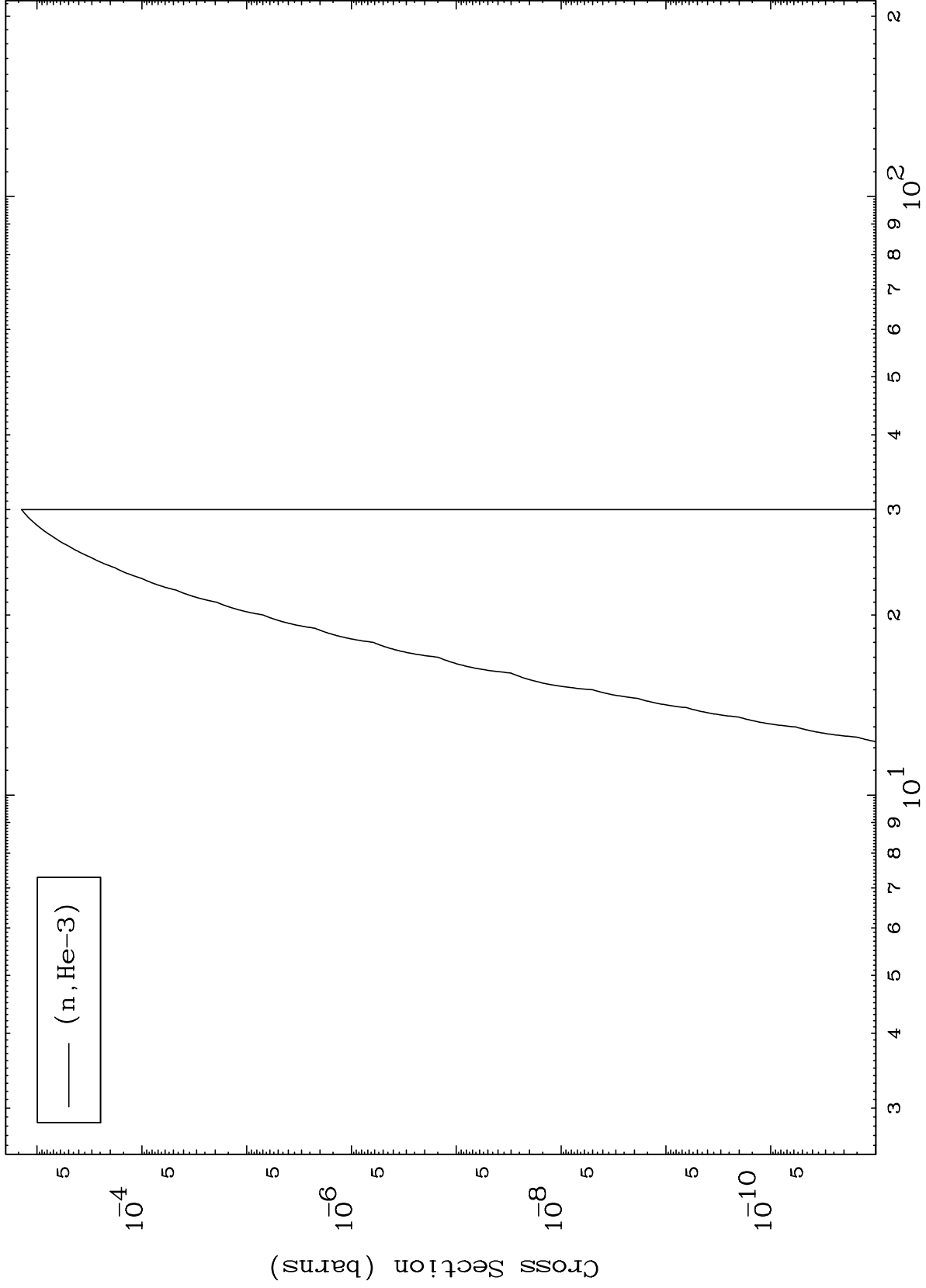
Incident Energy (MeV)

73-Ta-176

MAT 7313

(n,He3) Levels
293 Kelvin Cross Sections

73-Ta-176



13

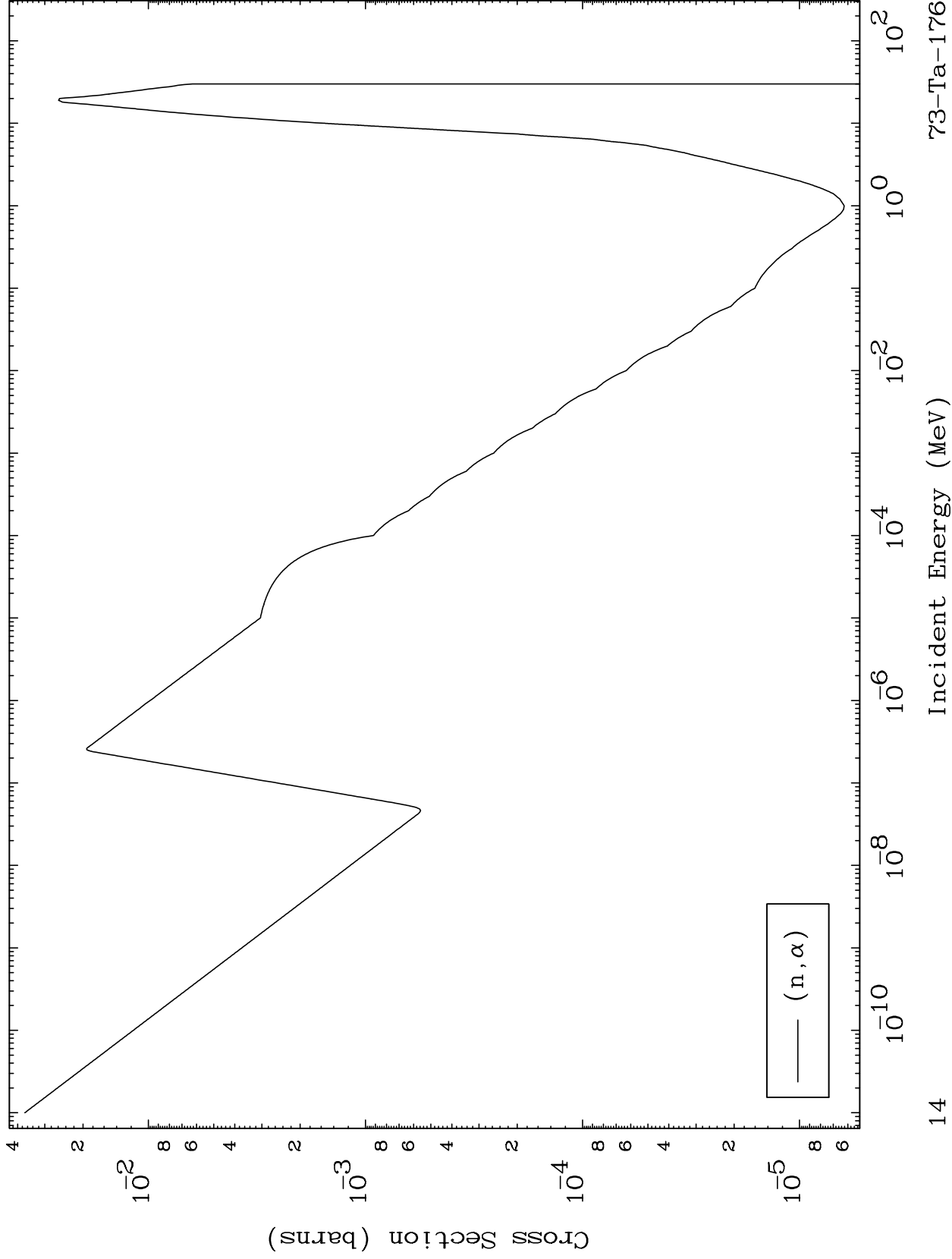
Incident Energy (MeV)

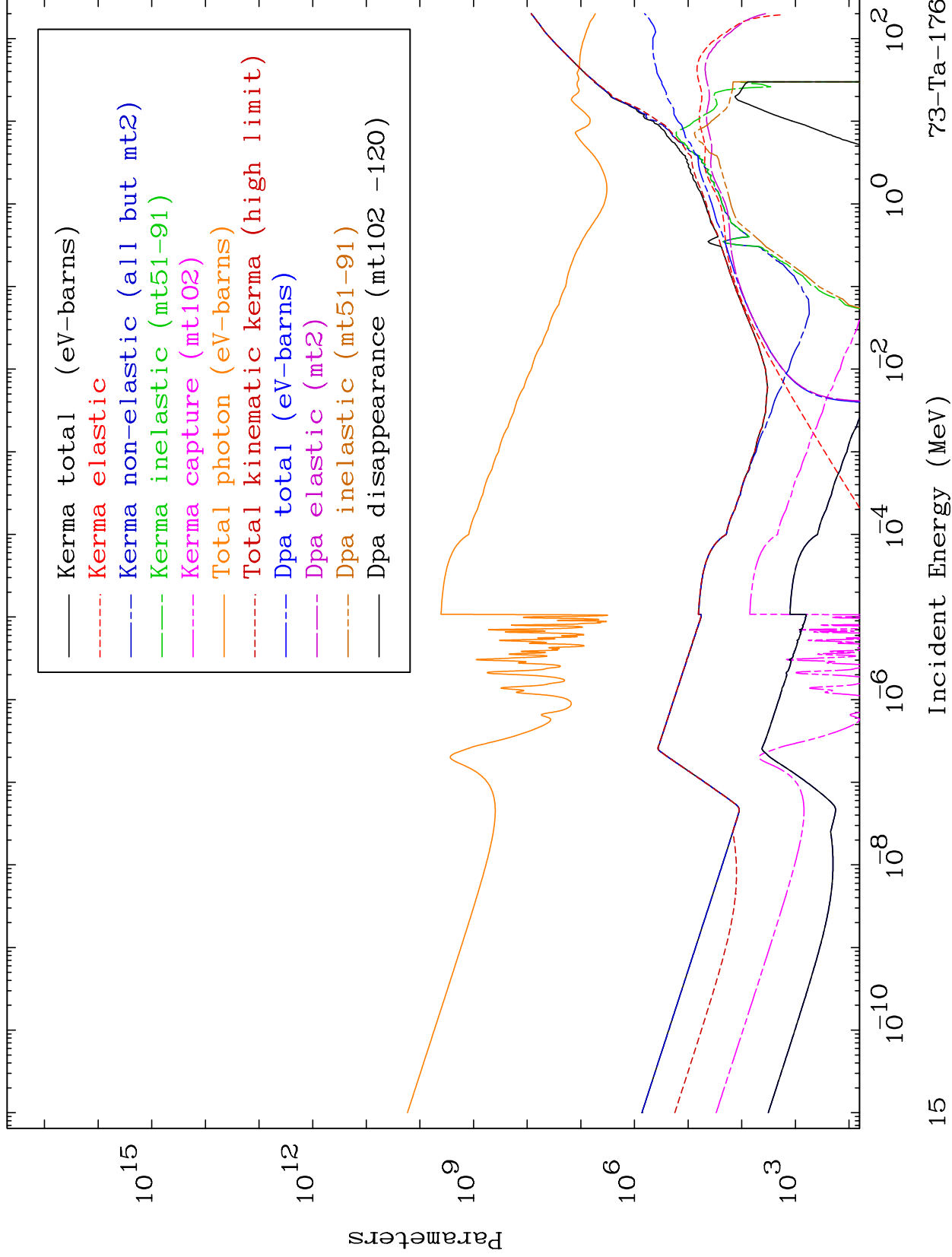
73-Ta-176

MAT 7313

(n, α) Levels
293 Kelvin Cross Sections

73-Ta-176

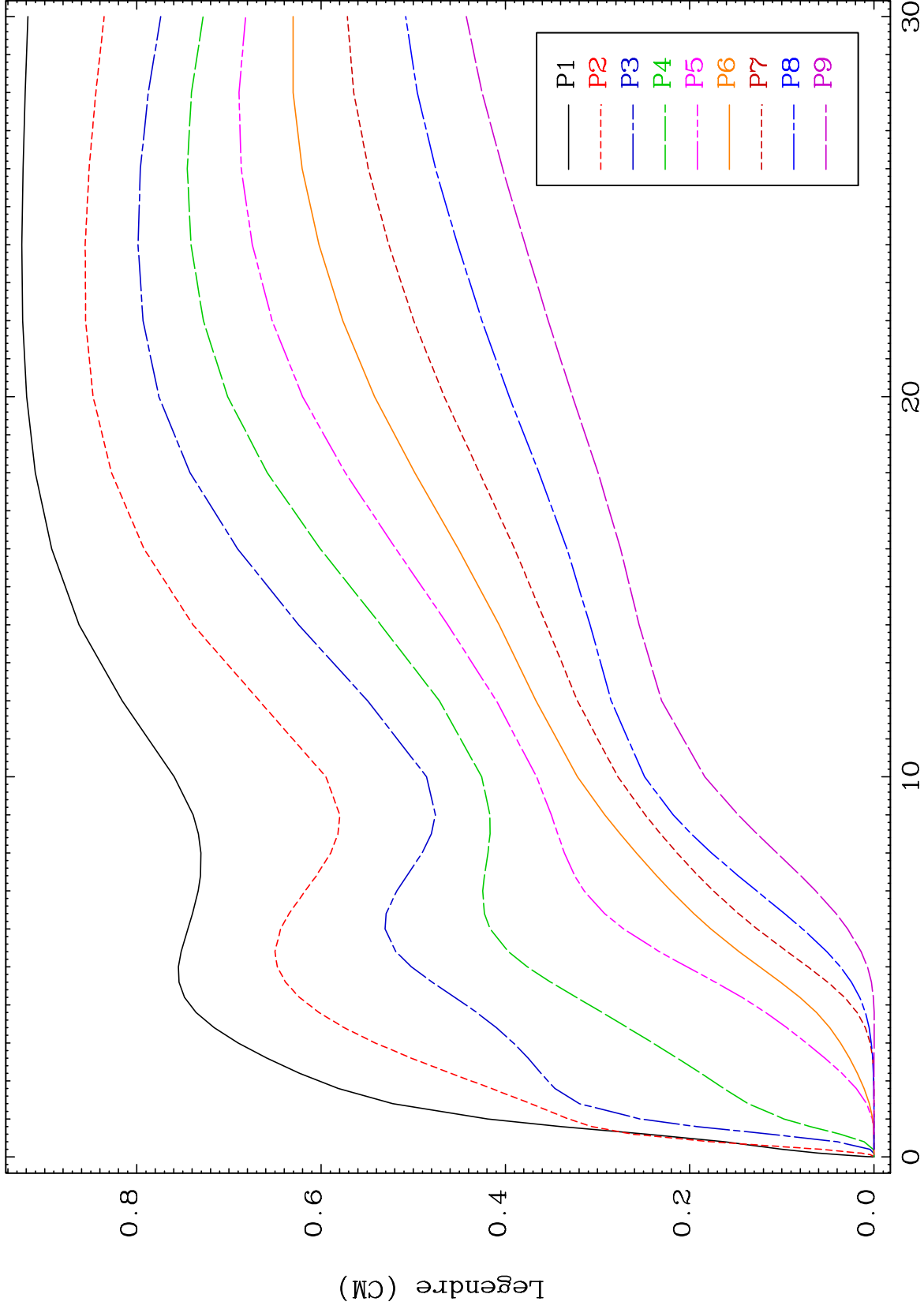




MAT 7313

Elastic Legendre Coefficients

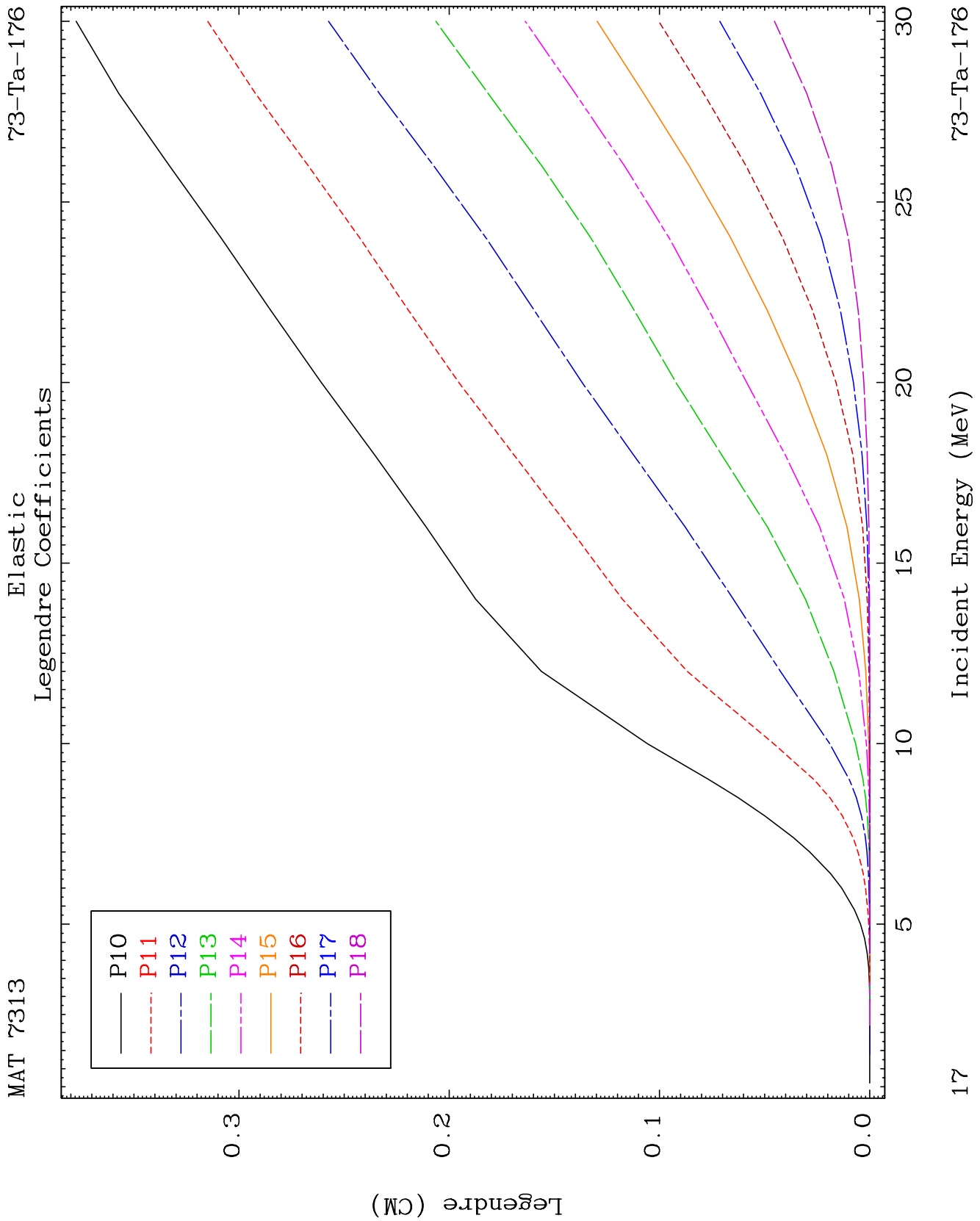
⁷³Ta-176



16

Incident Energy (MeV)

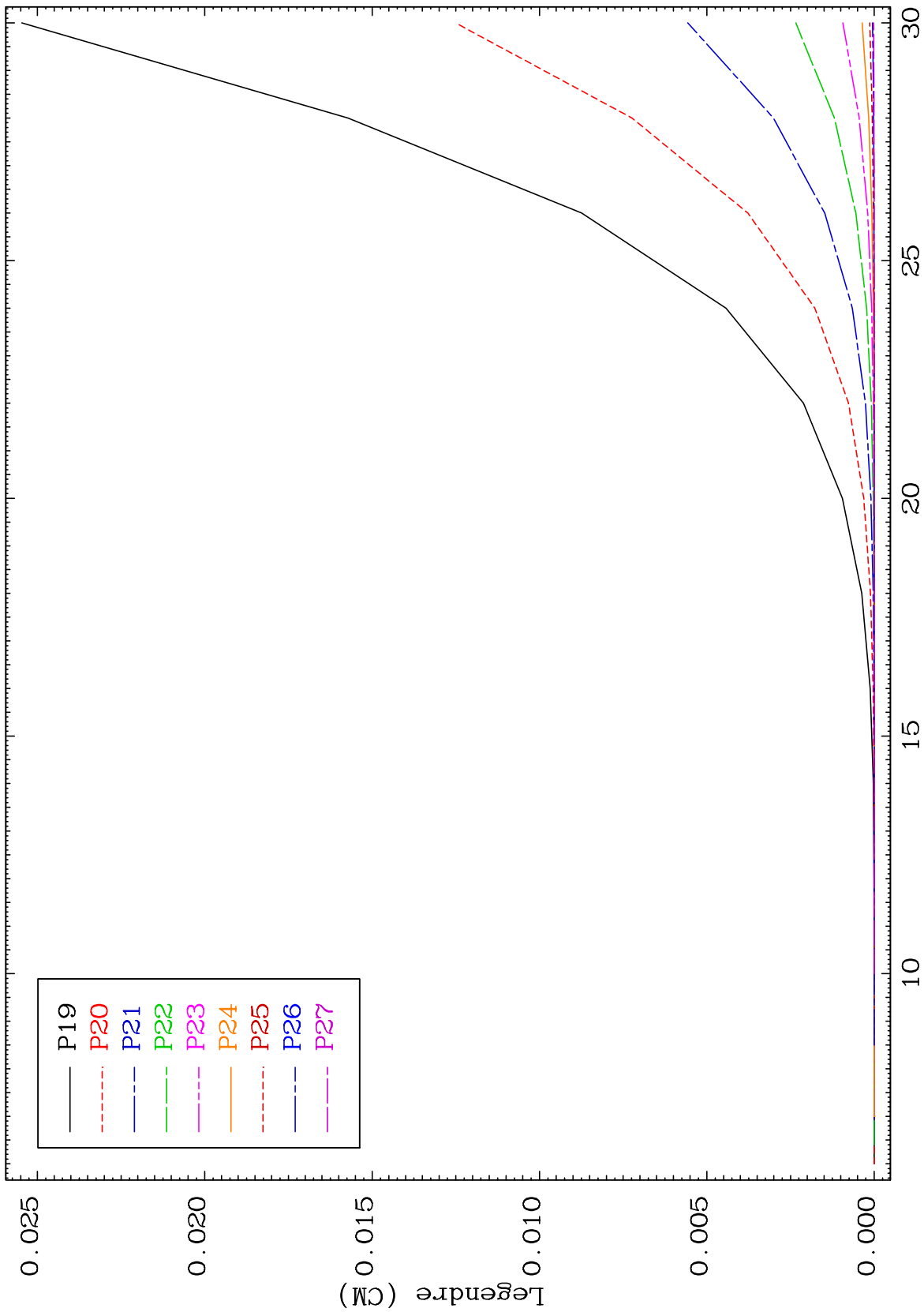
⁷³Ta-176



MAT 7313

Elastic Legendre Coefficients

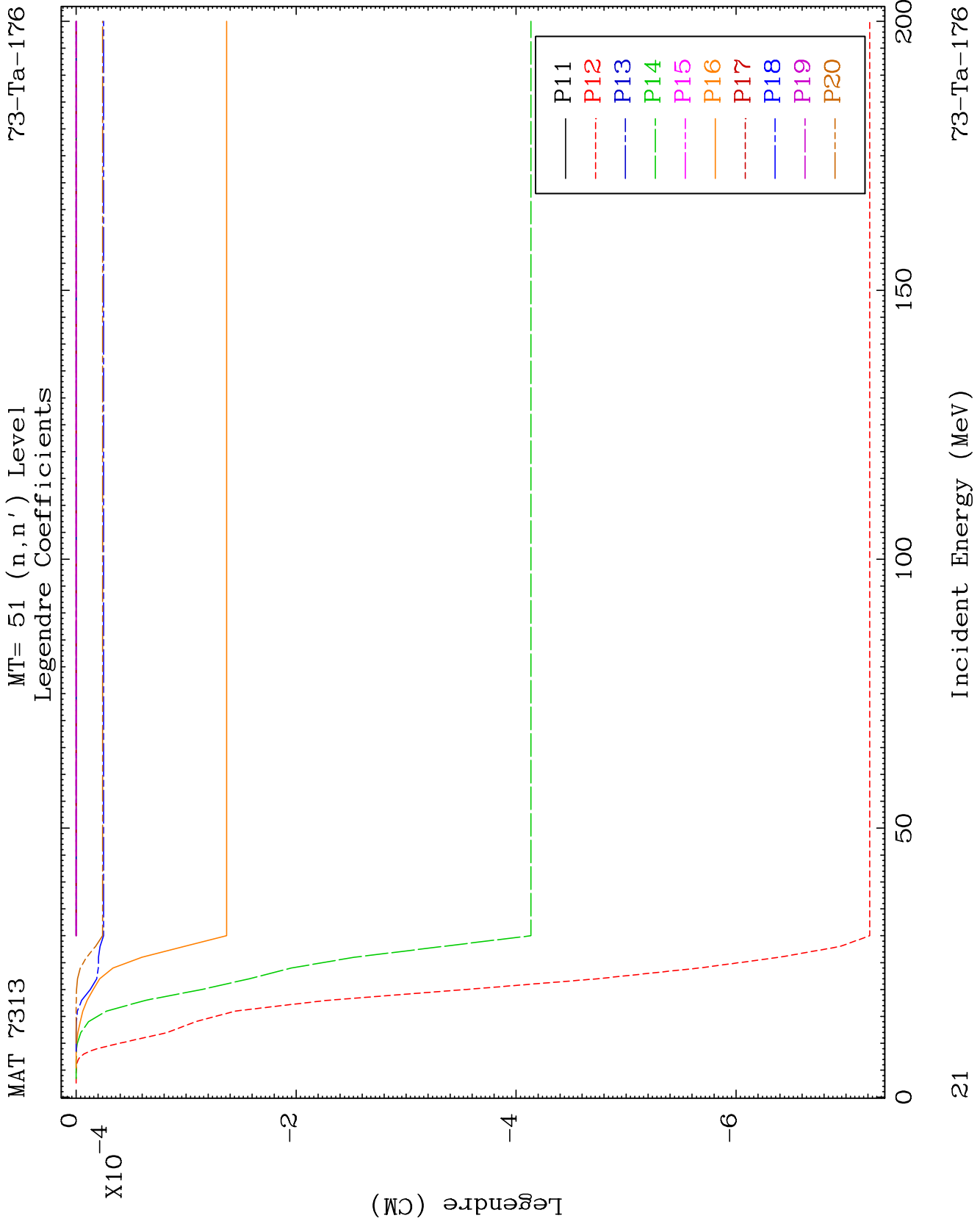
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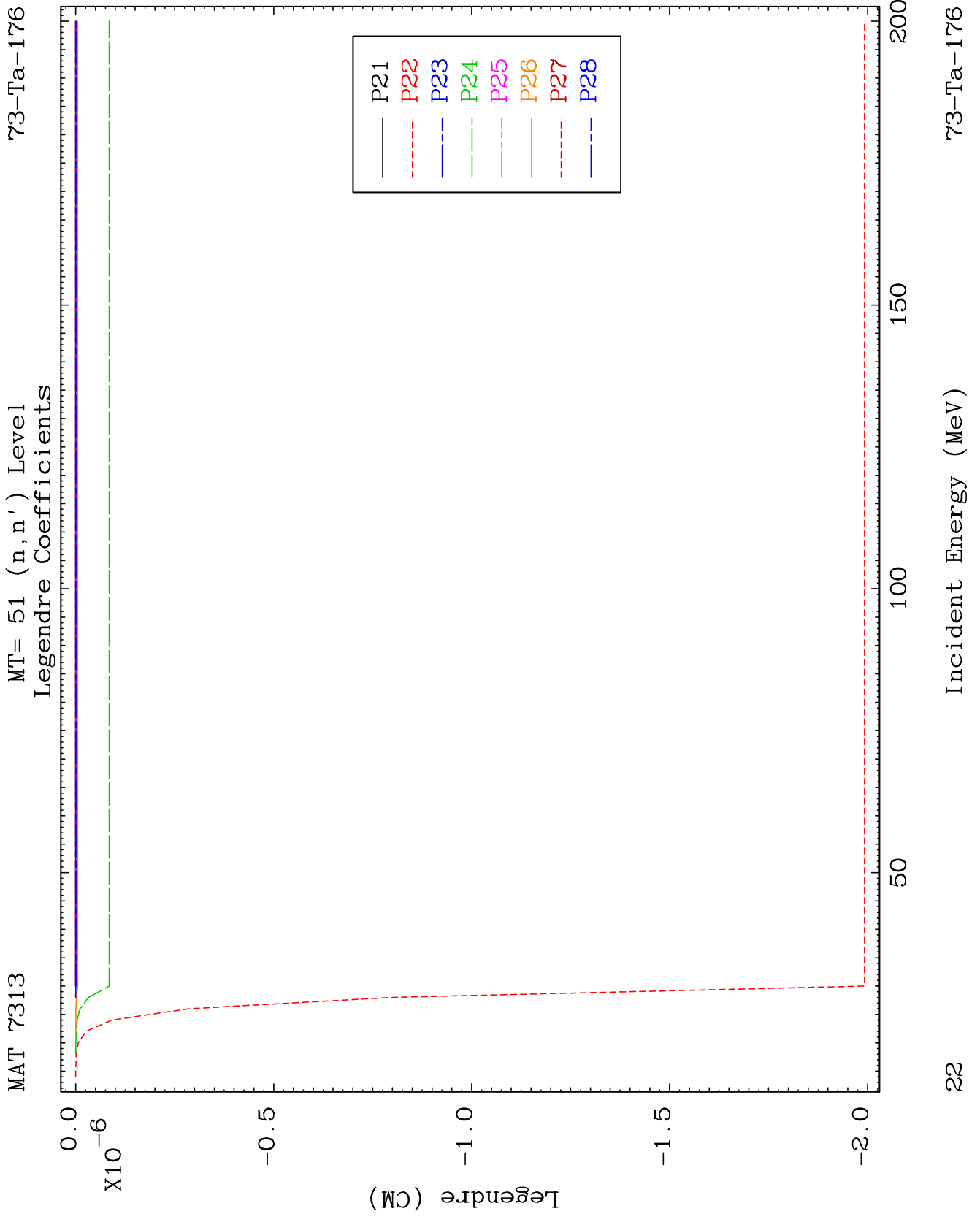


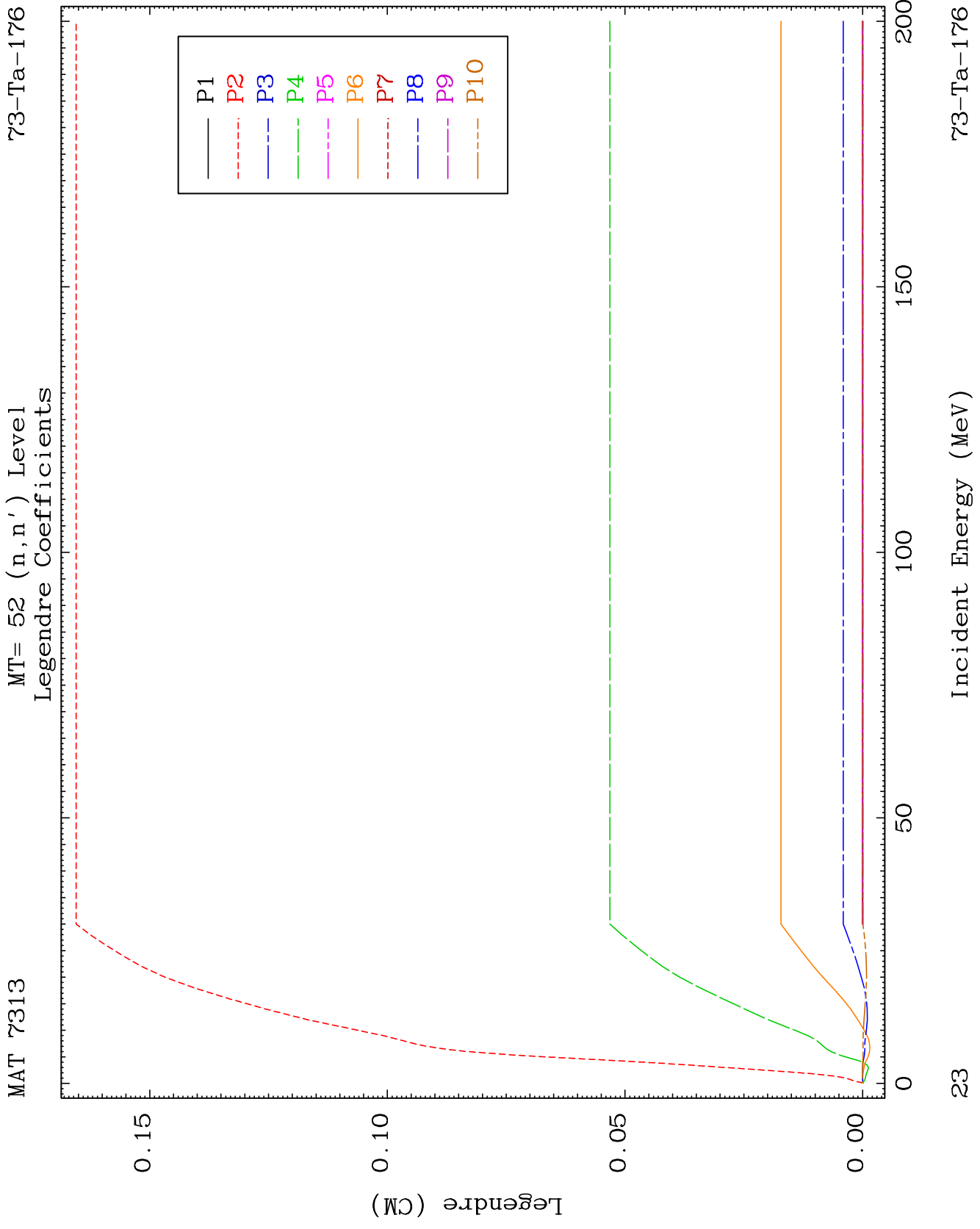
18

Incident Energy (MeV)

73-Ta-176



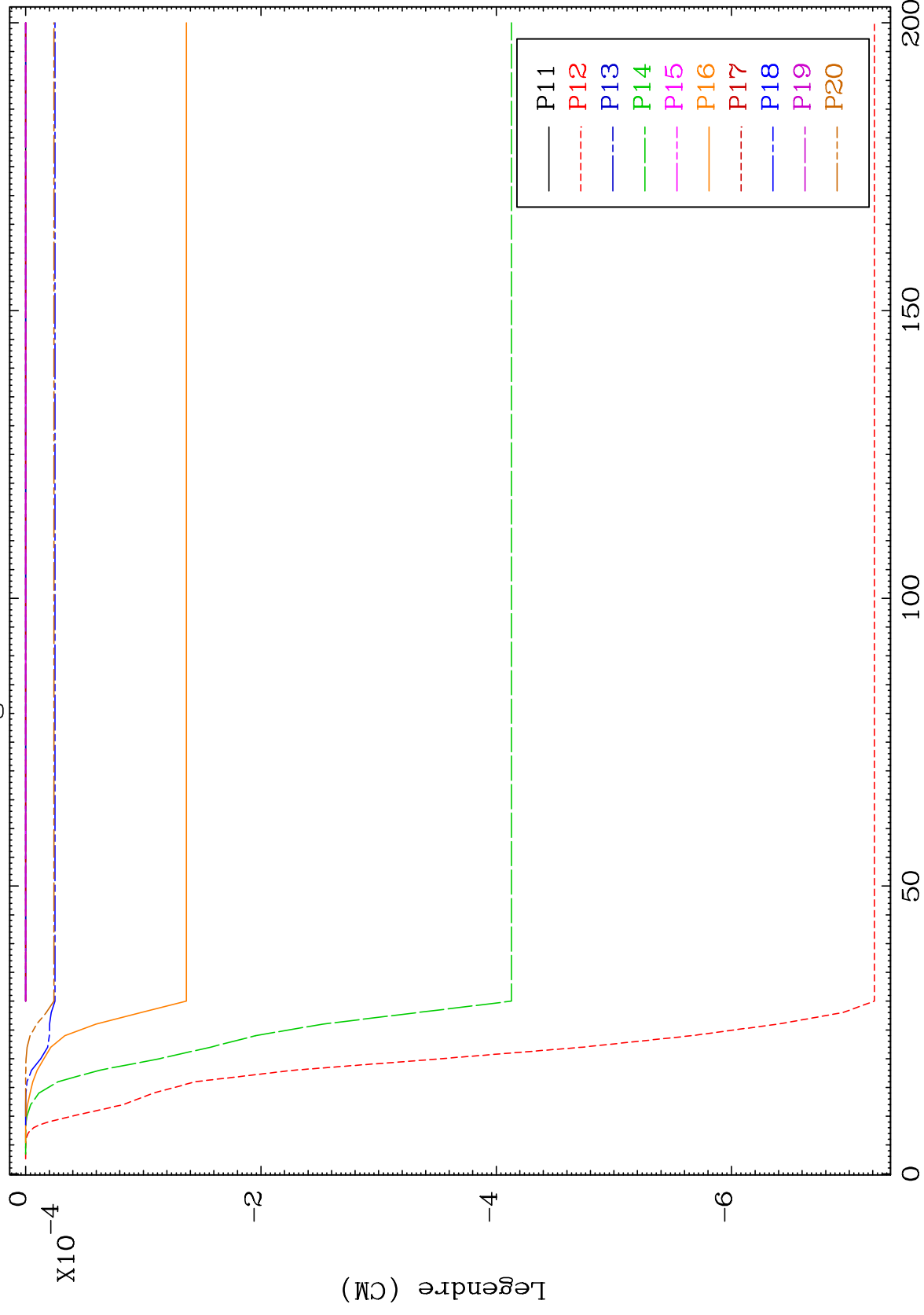




MAT 7313

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

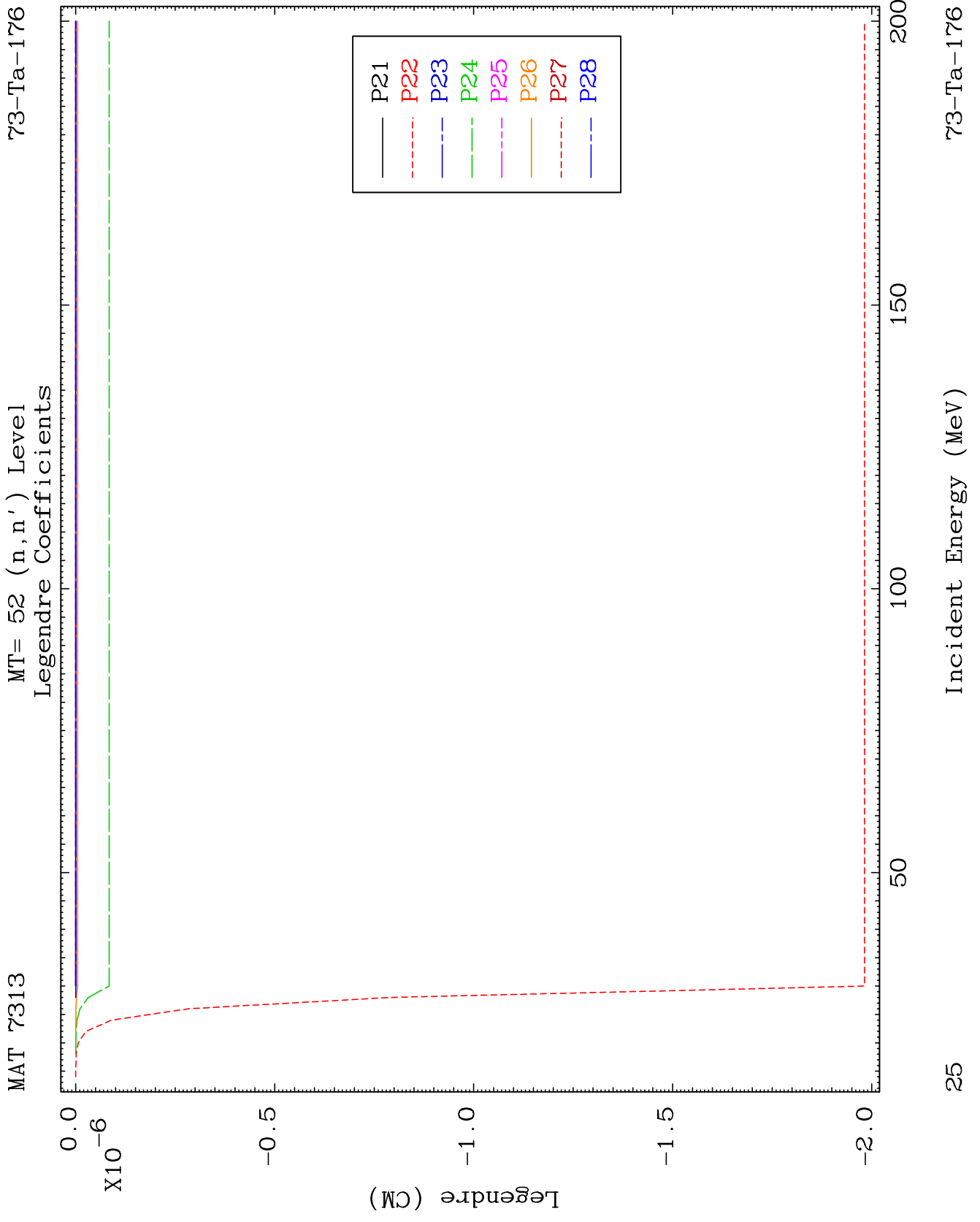
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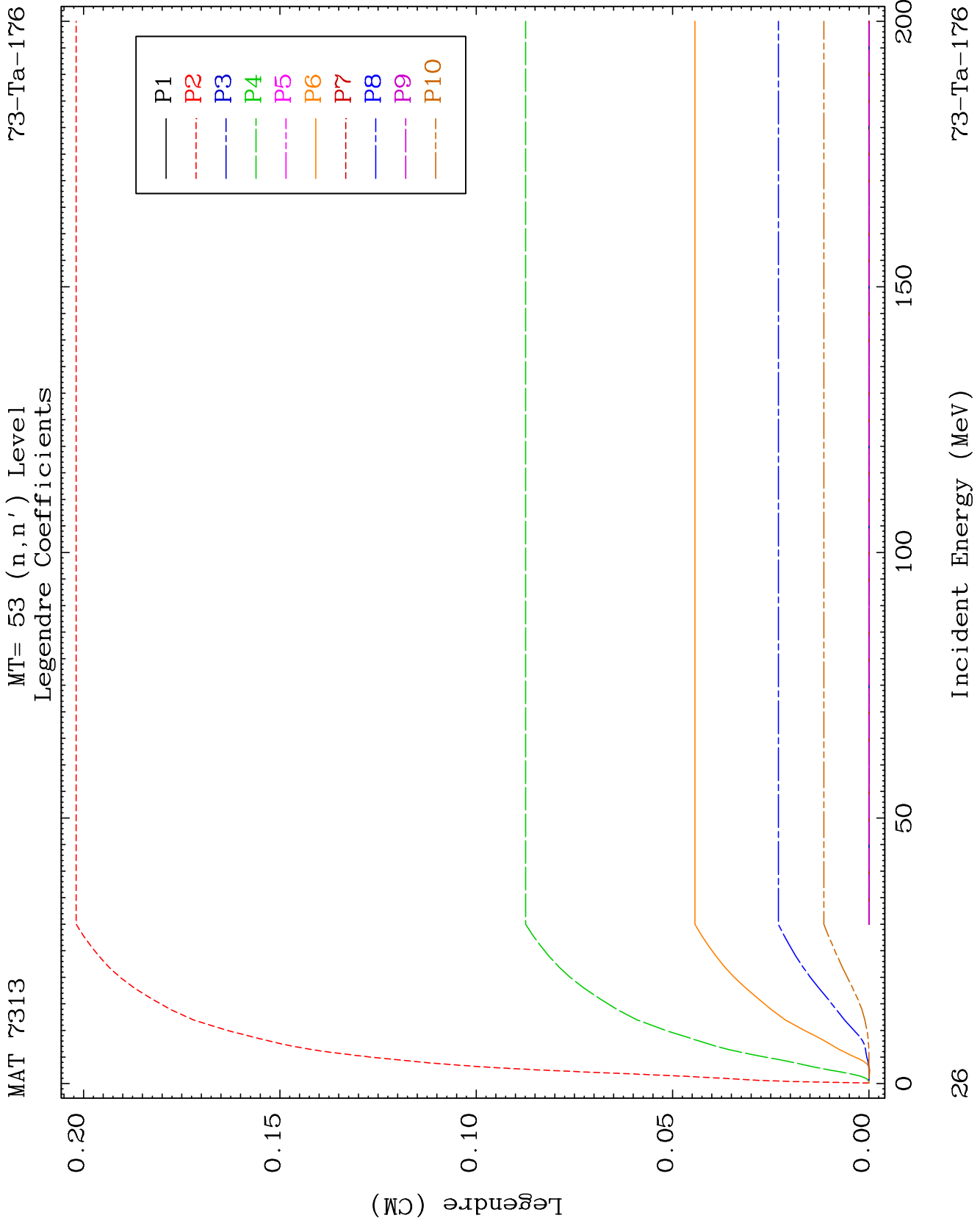


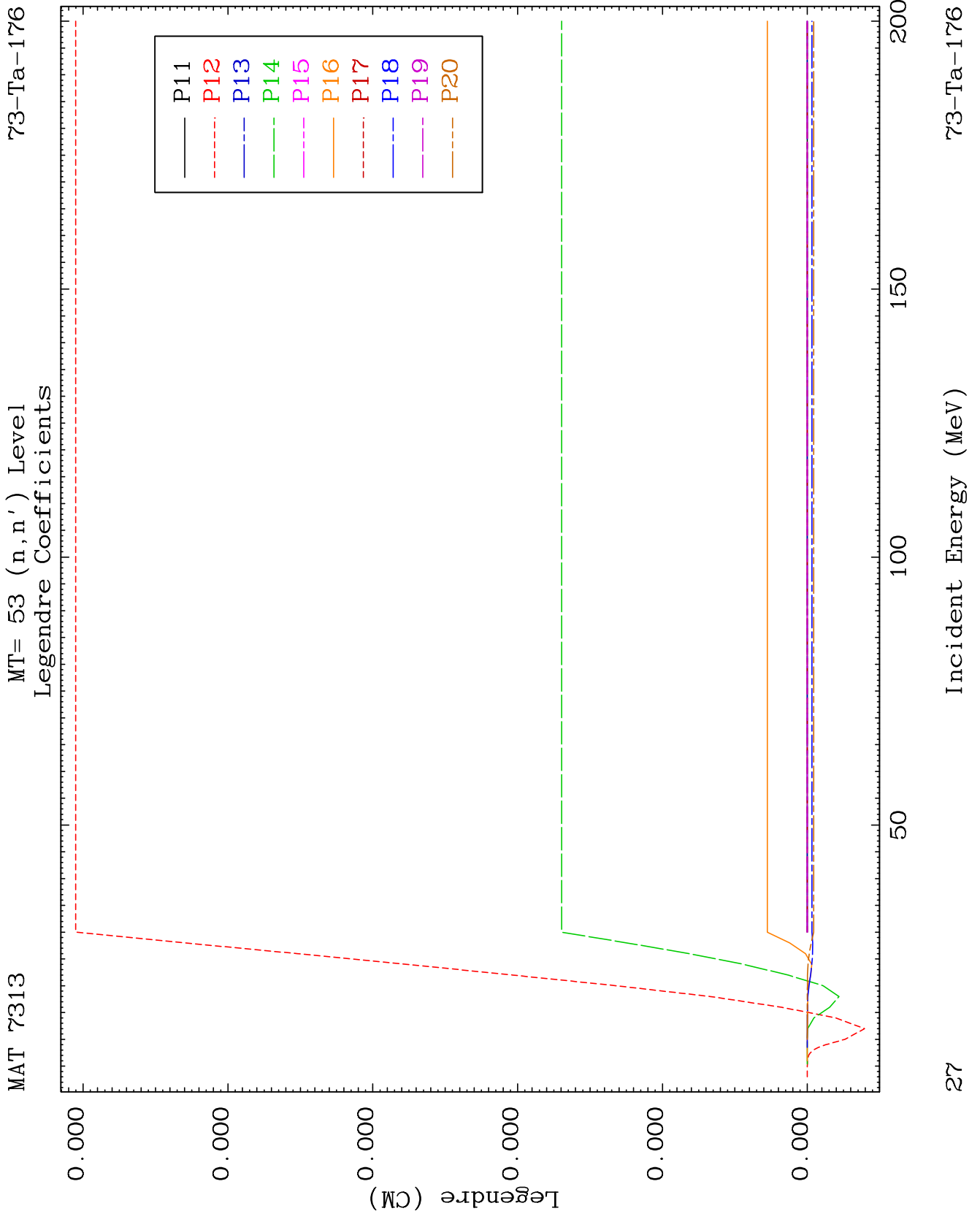
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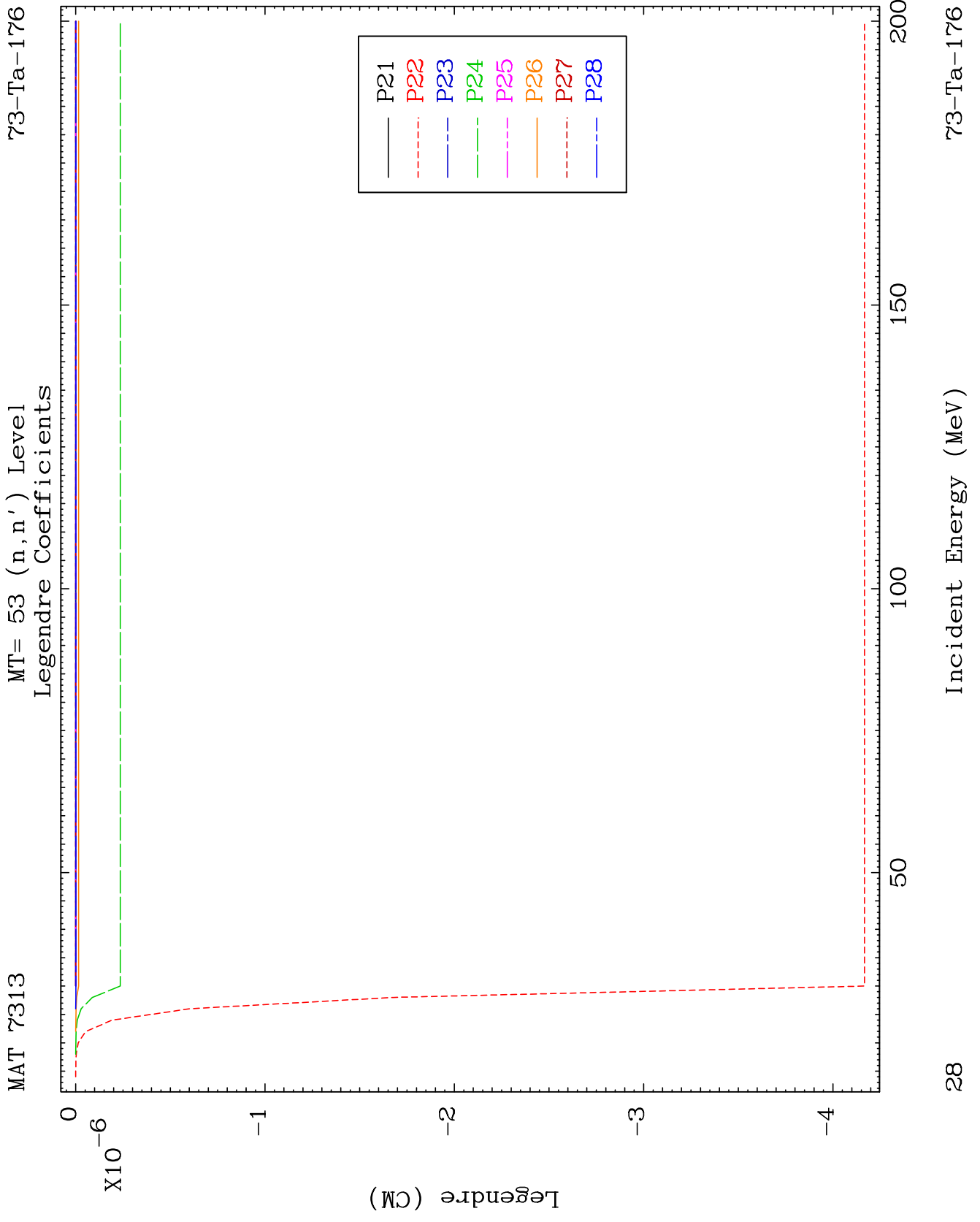
Incident Energy (MeV)

73-Ta-176





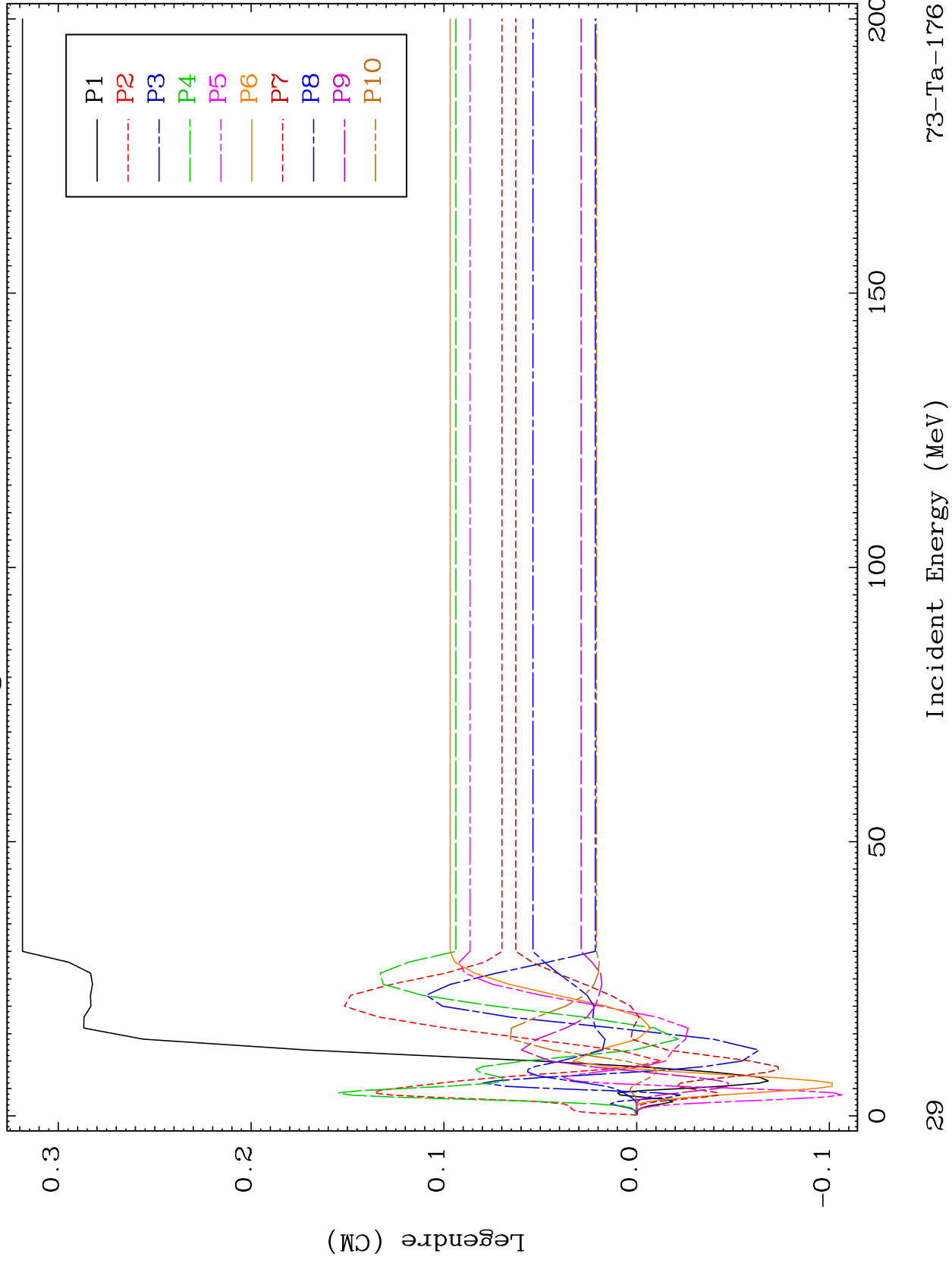




MAT 7313

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

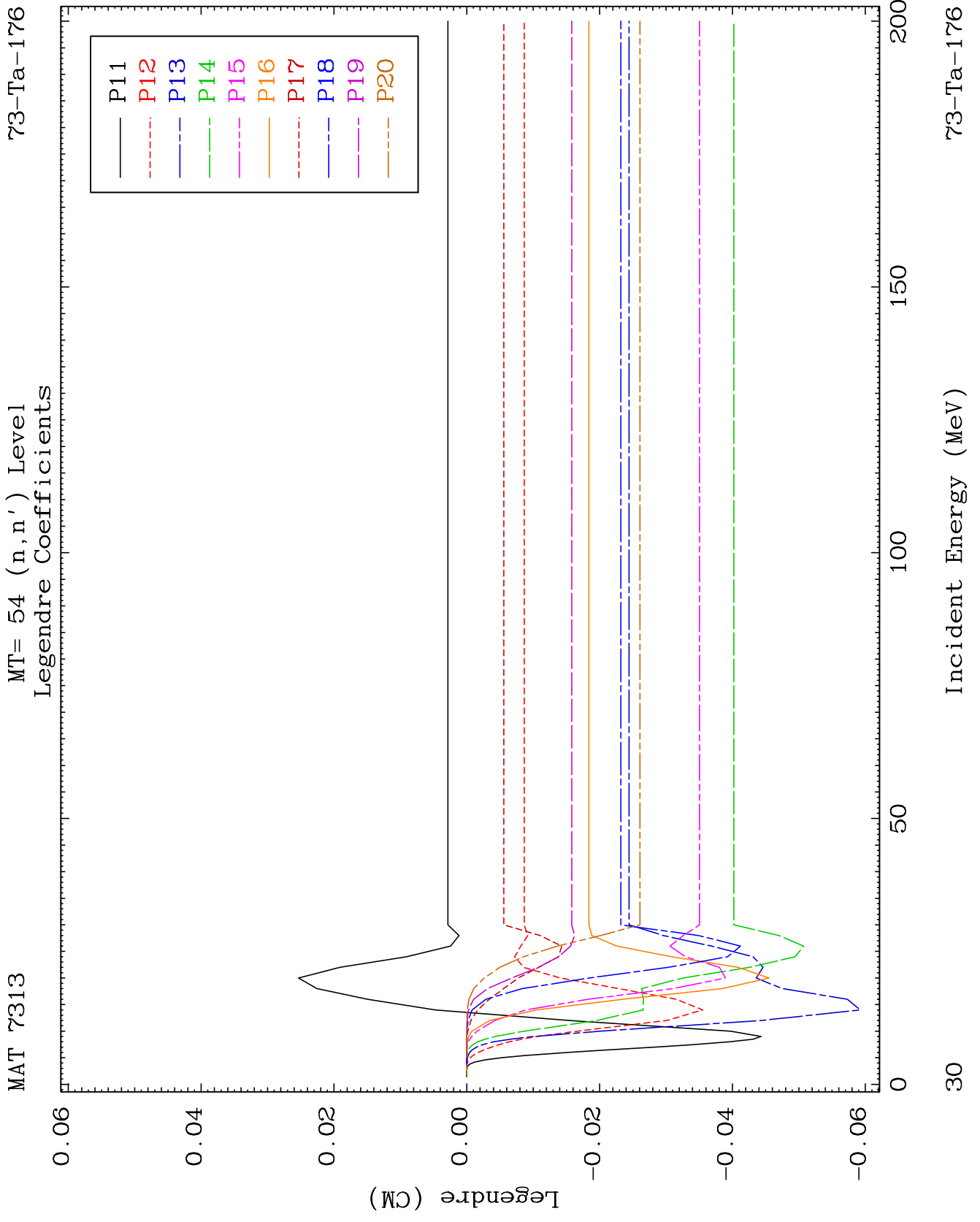
73-Ta-176

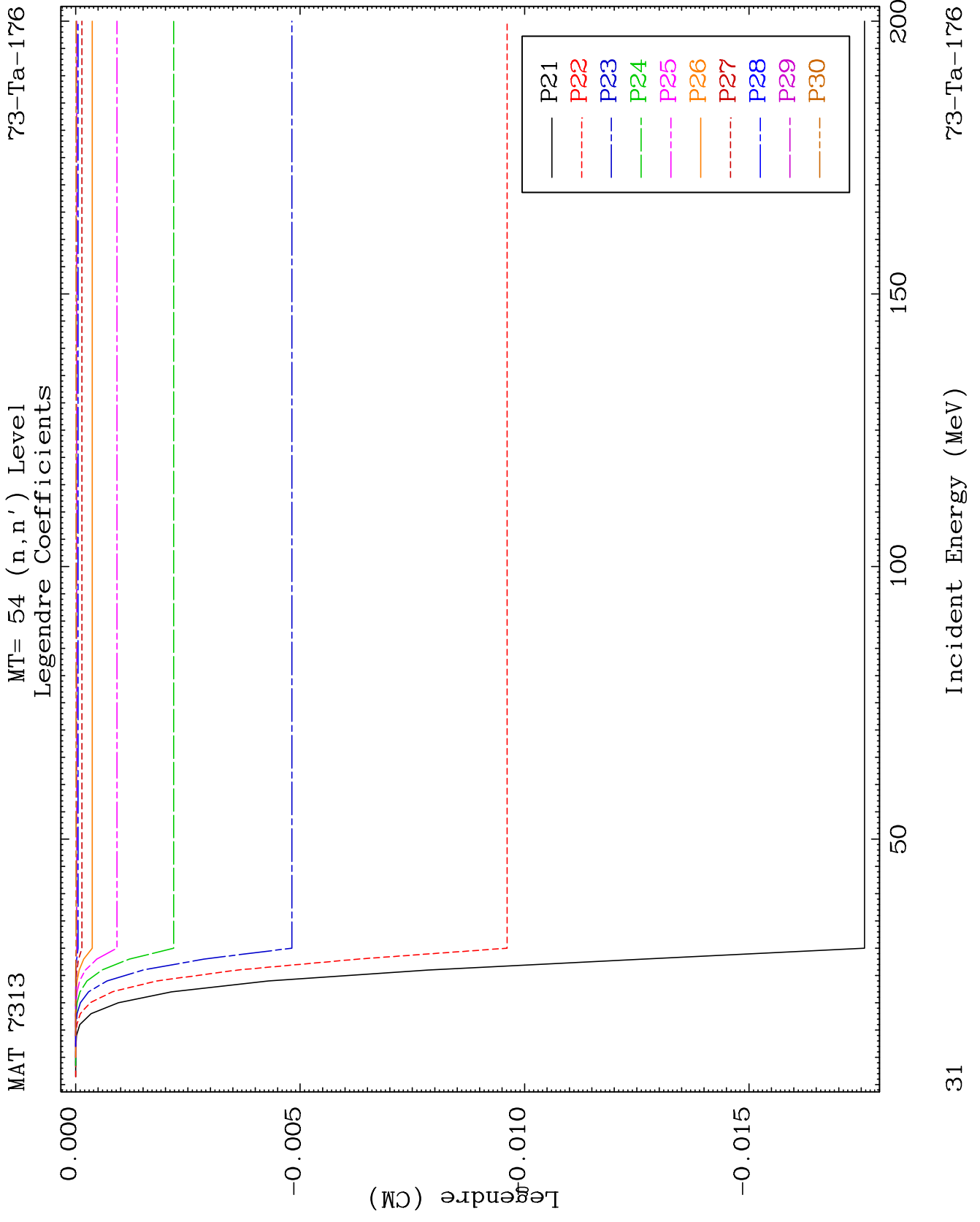


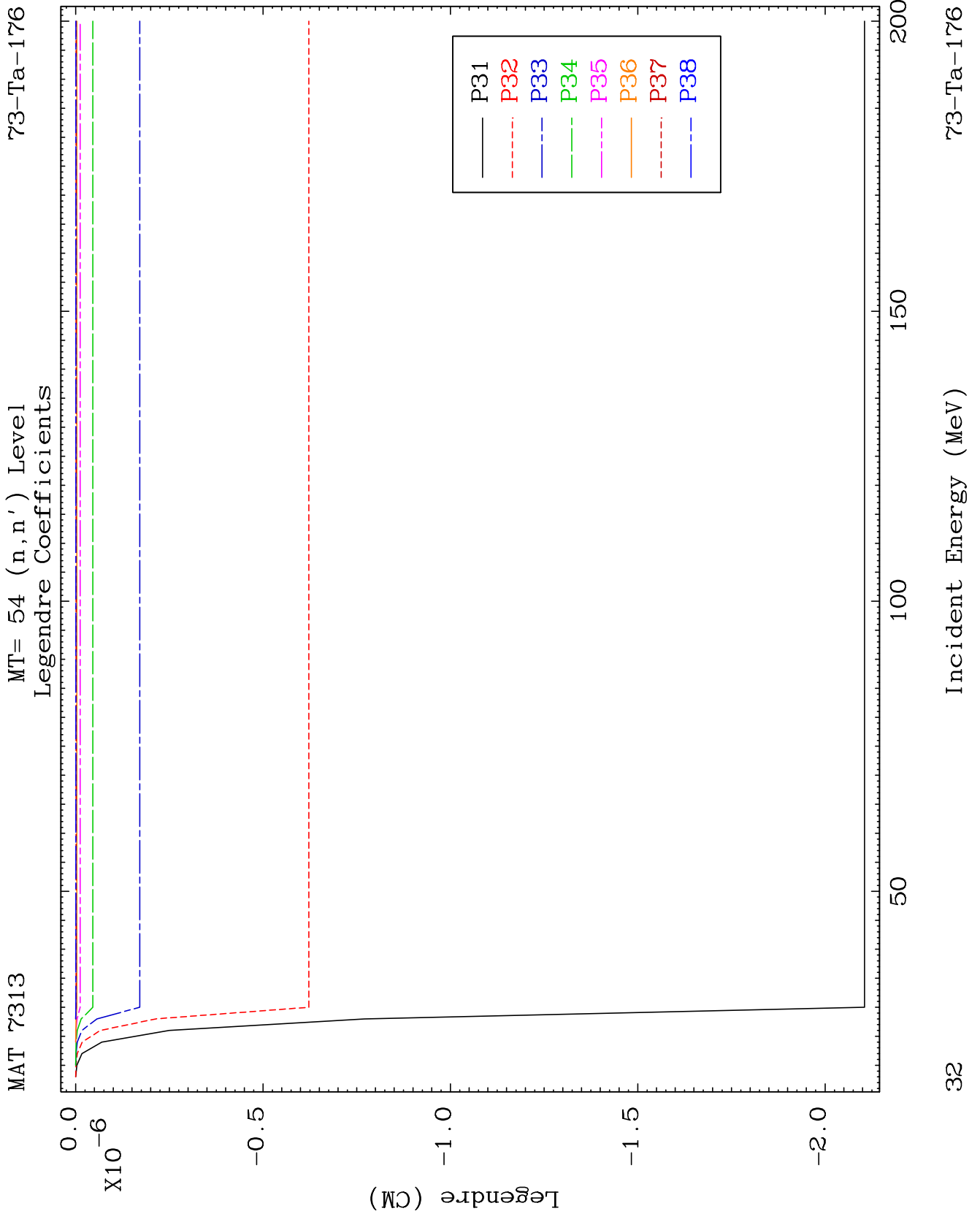
73-Ta-176

Incident Energy (MeV)

29



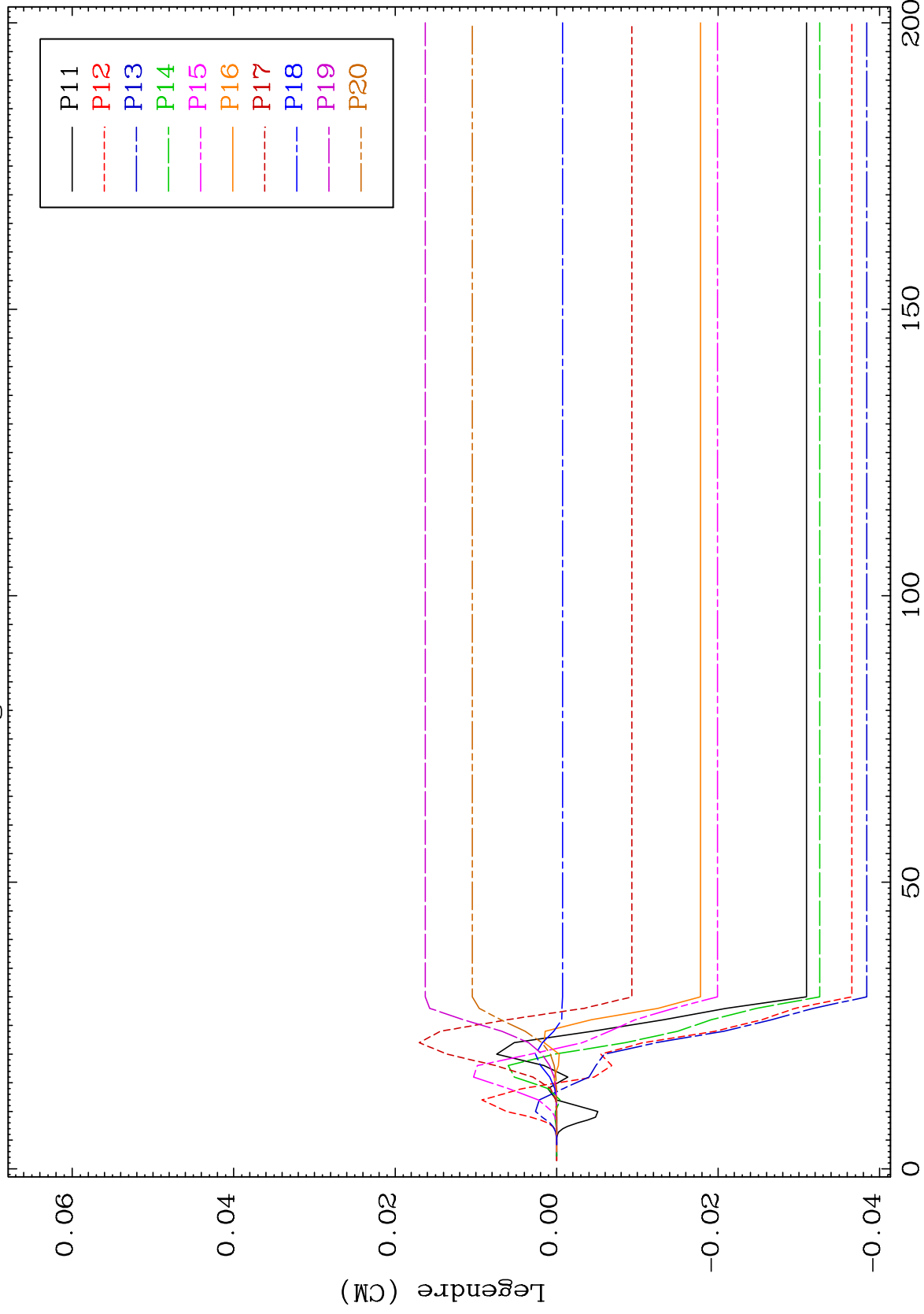




MAT 7313

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

73-Ta-176



34

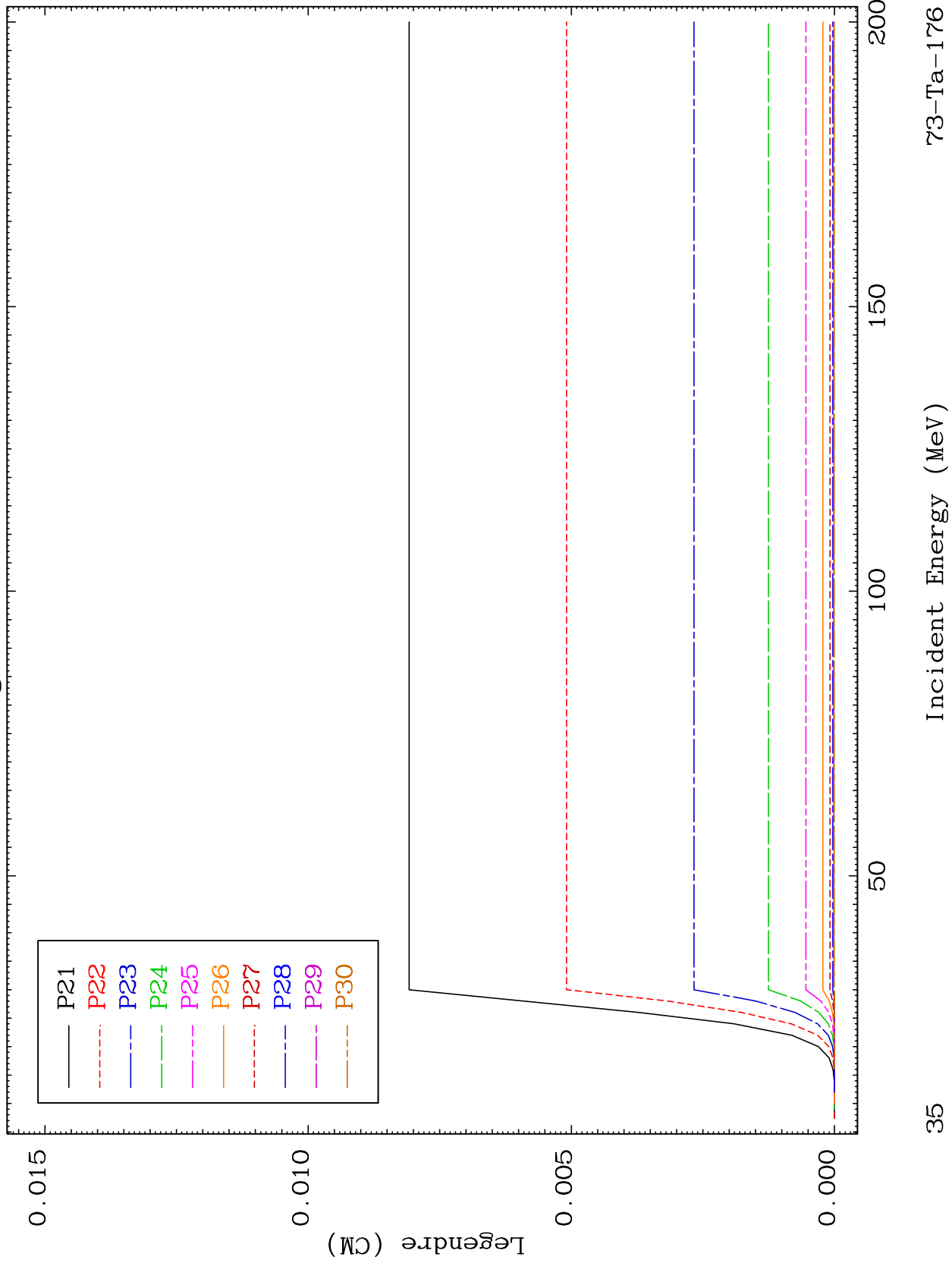
Incident Energy (MeV)

73-Ta-176

MAT 7313

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

⁷³Ta-176



35

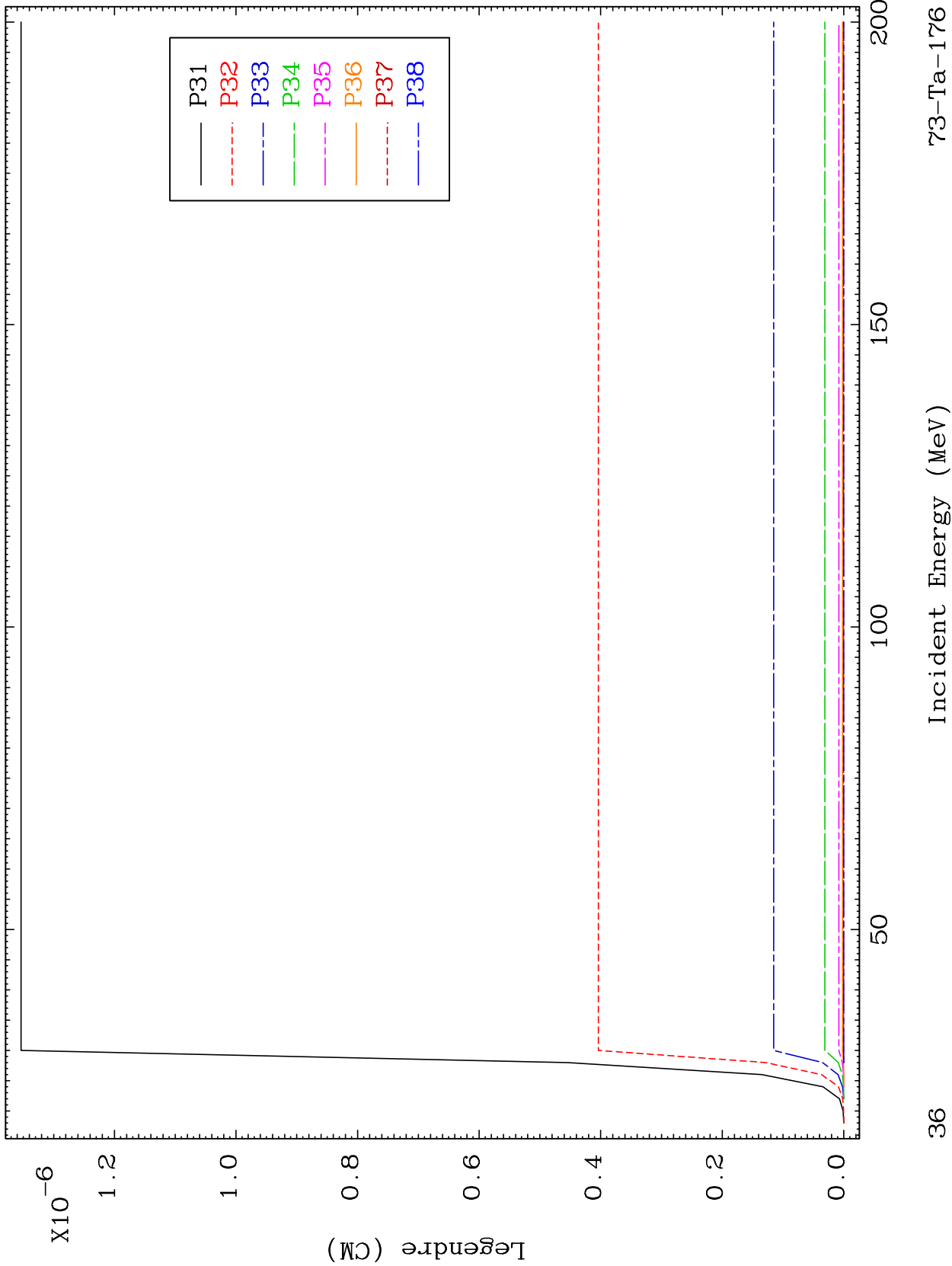
Incident Energy (MeV)

⁷³Ta-176

MAT 7313

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

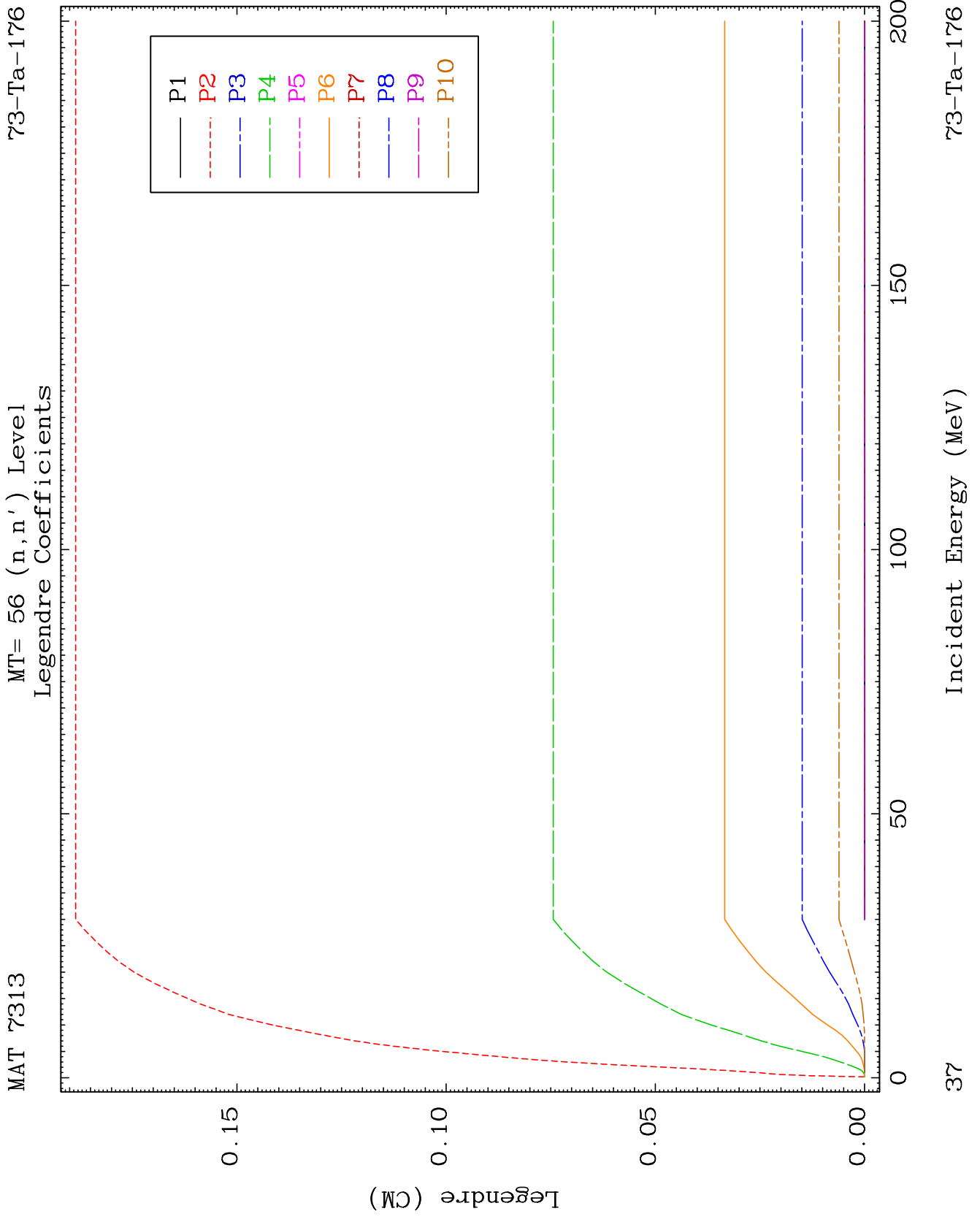
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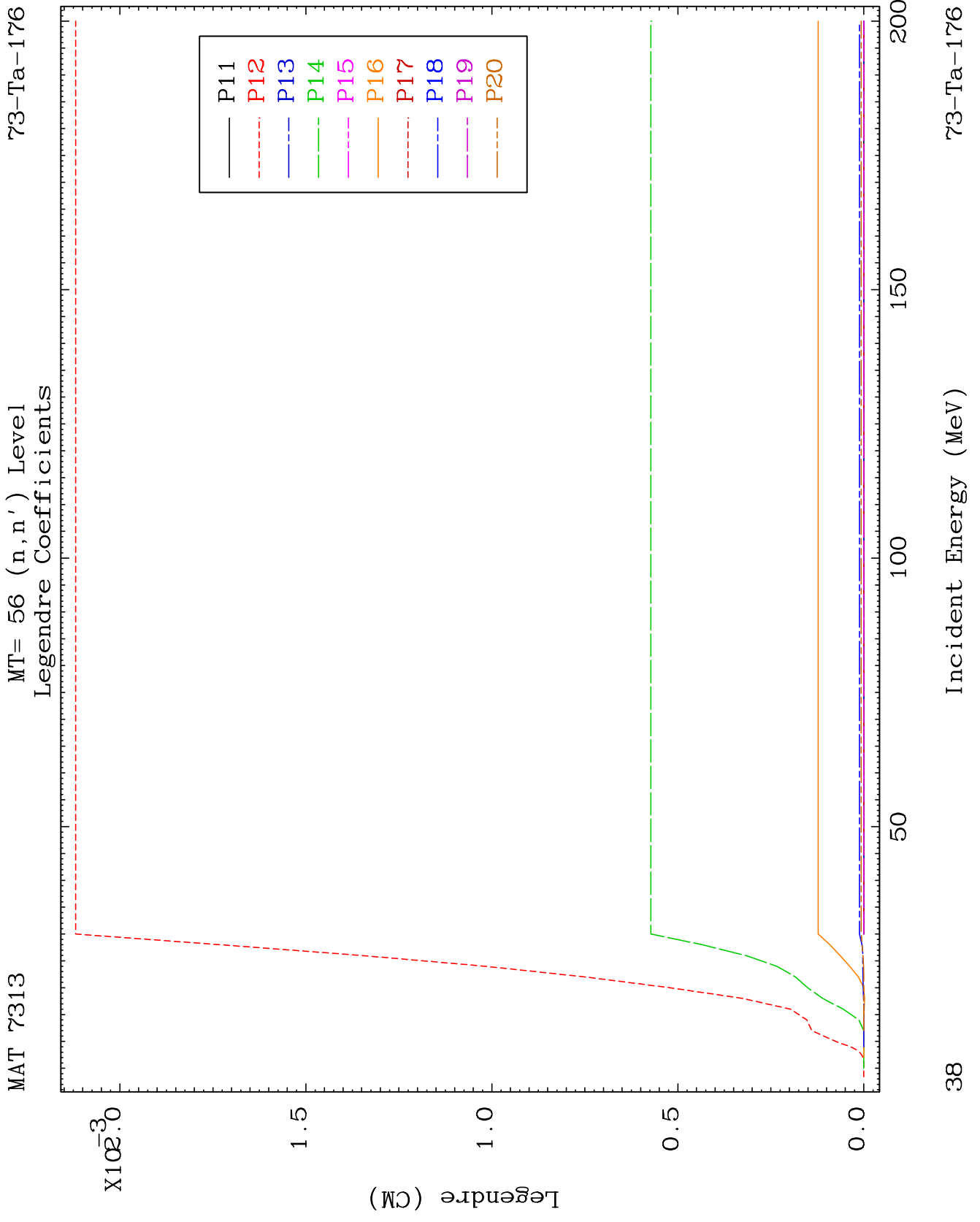


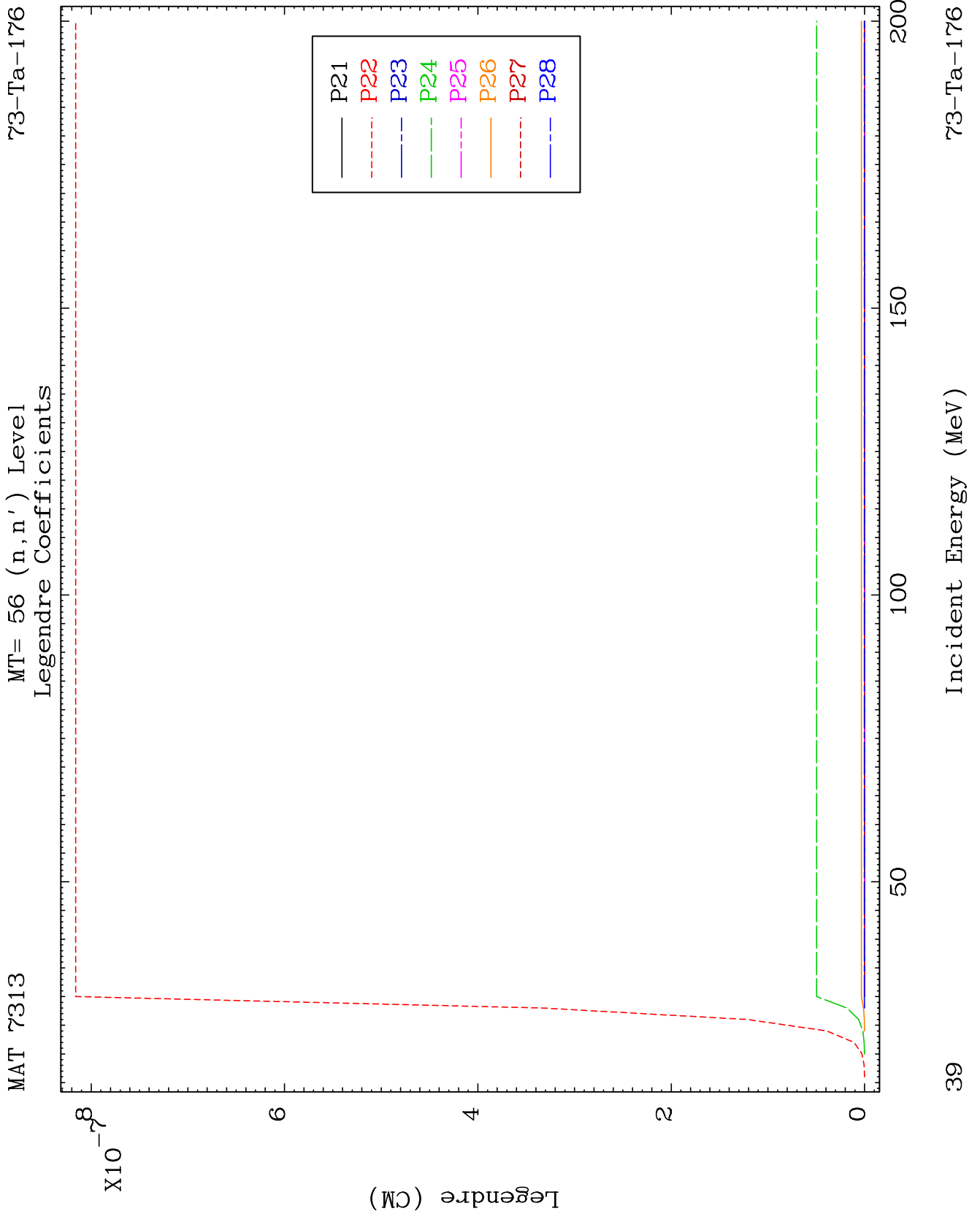
36

Incident Energy (MeV)

73-Ta-176



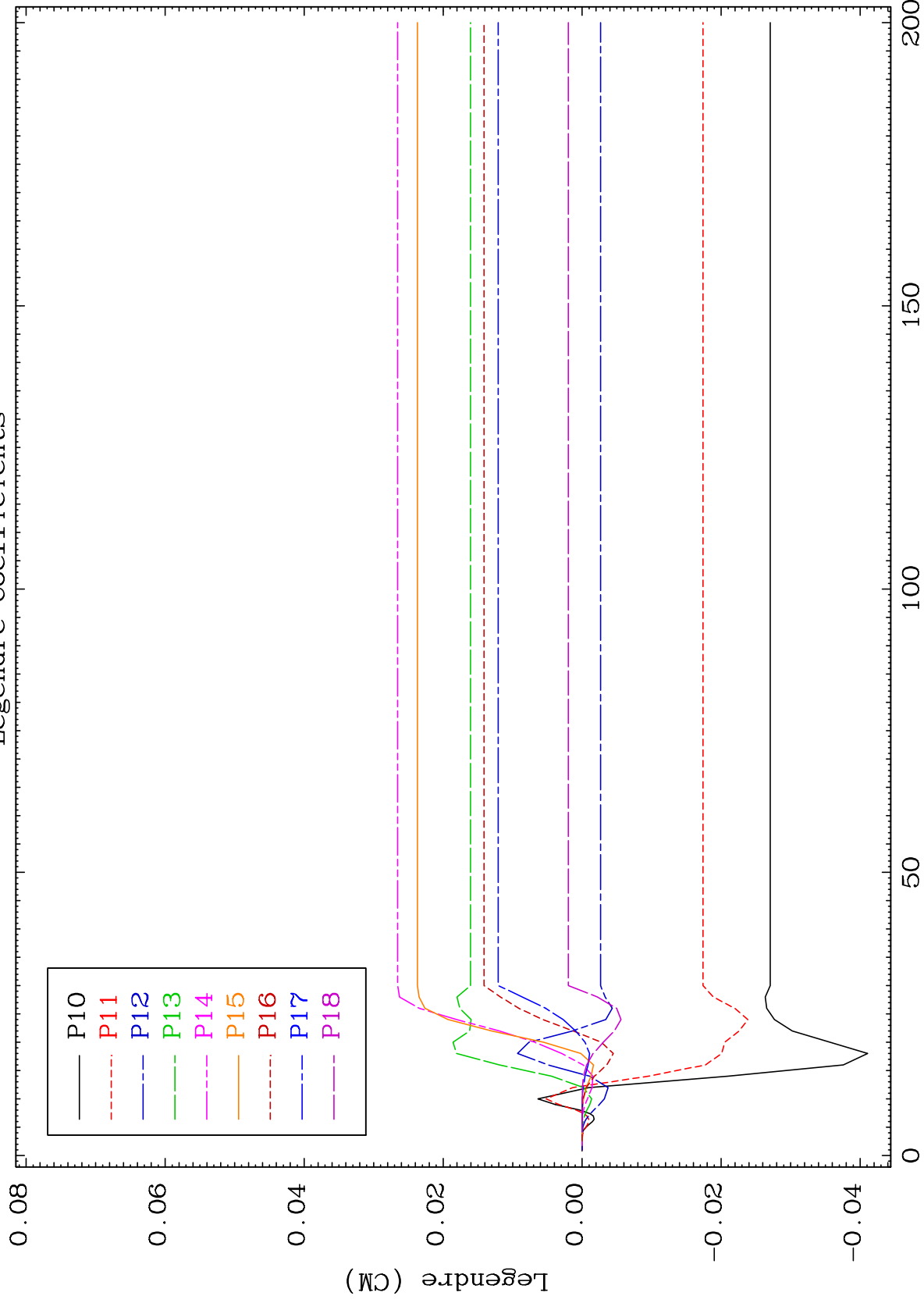




MAT 7313

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

73-Ta-176



41

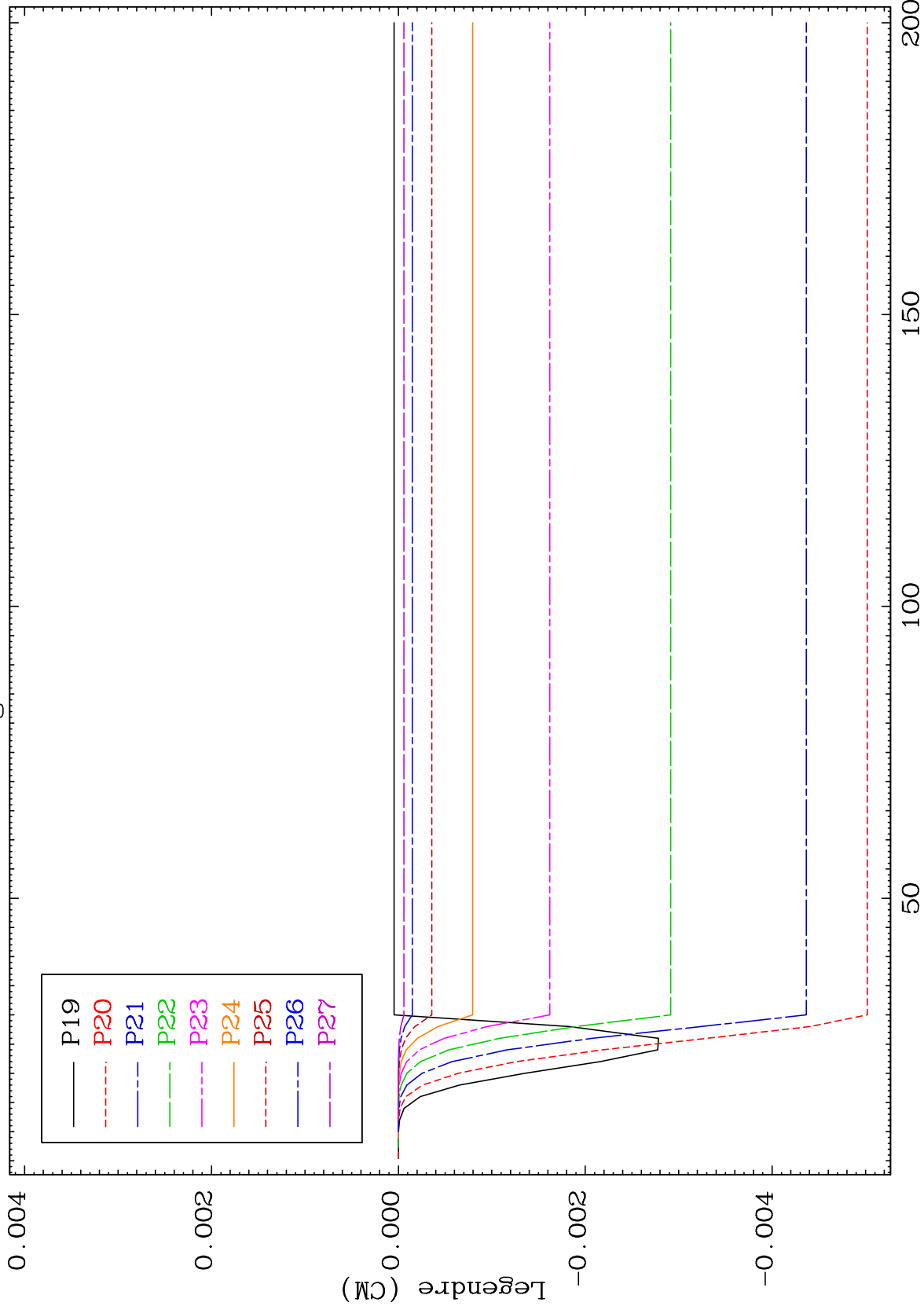
Incident Energy (MeV)

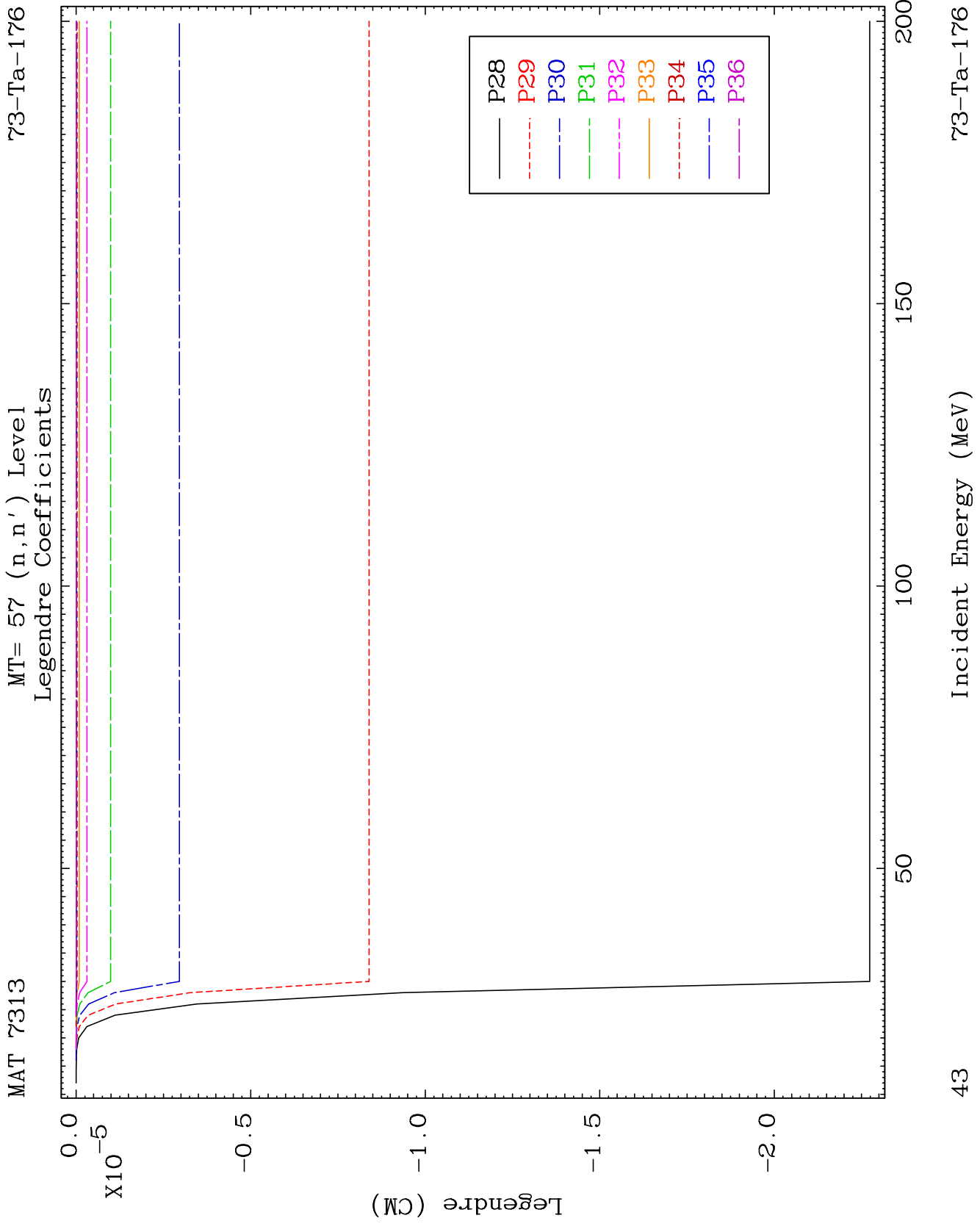
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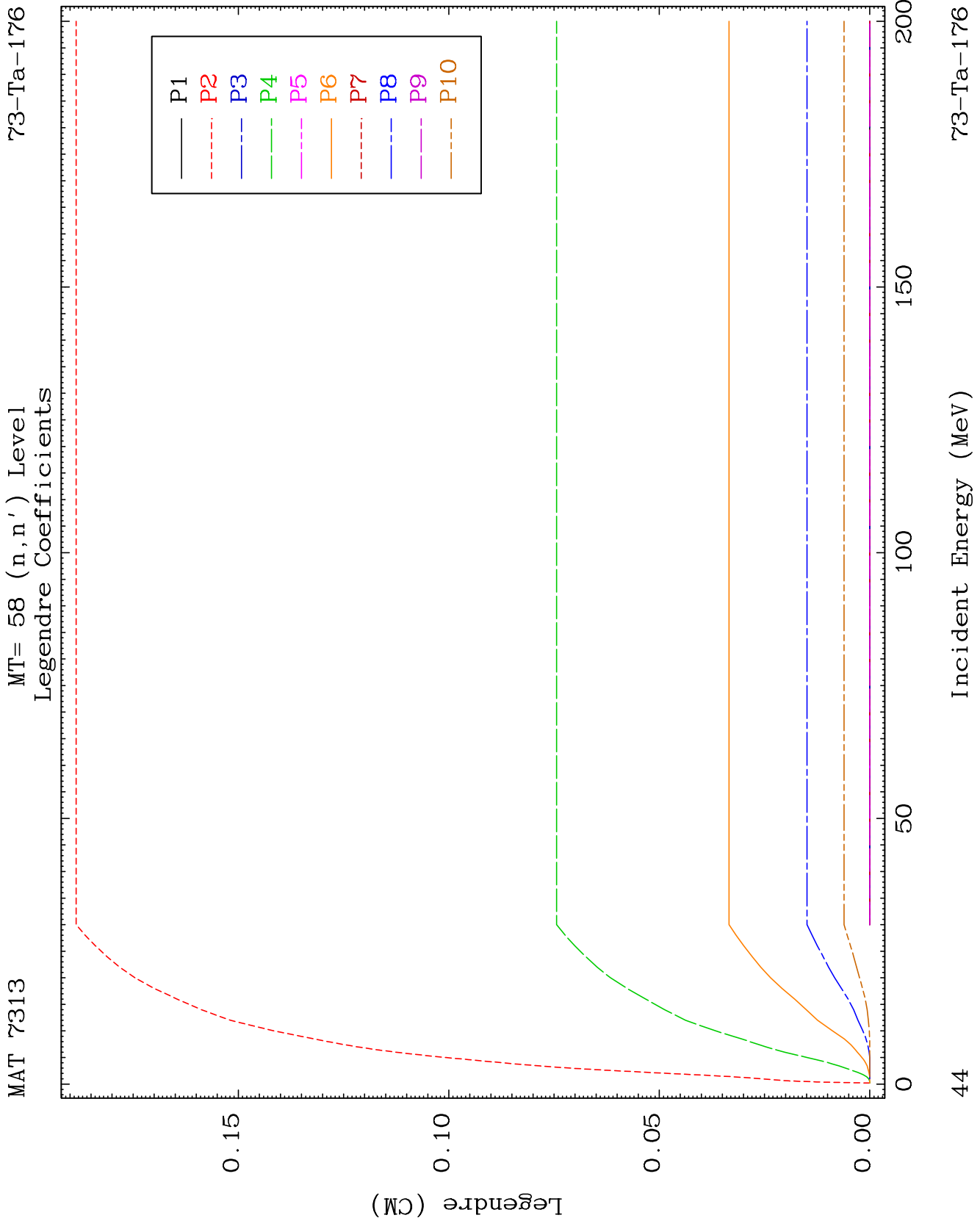
MAT 7313

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

73-Ta-176



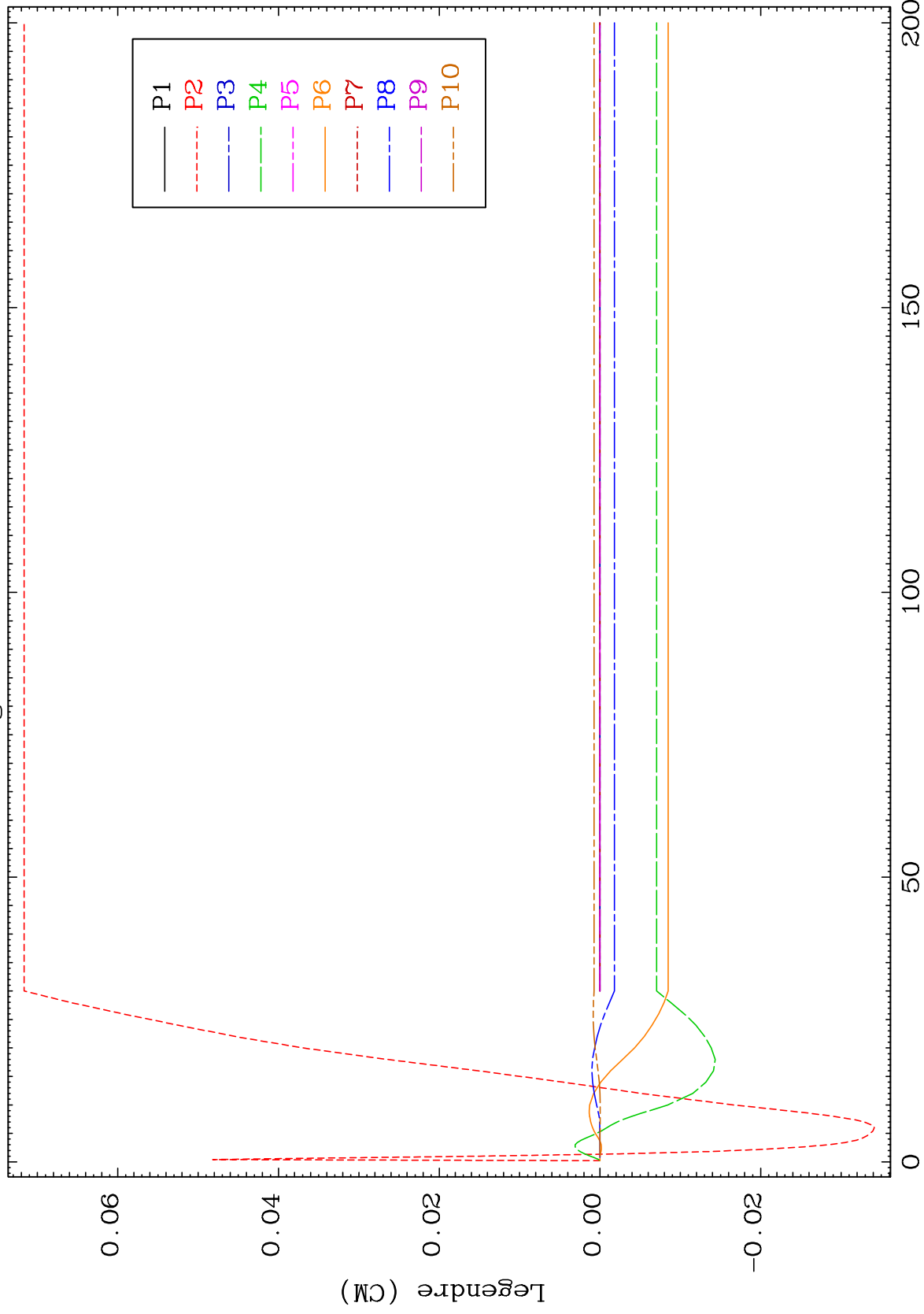




MAT 7313

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

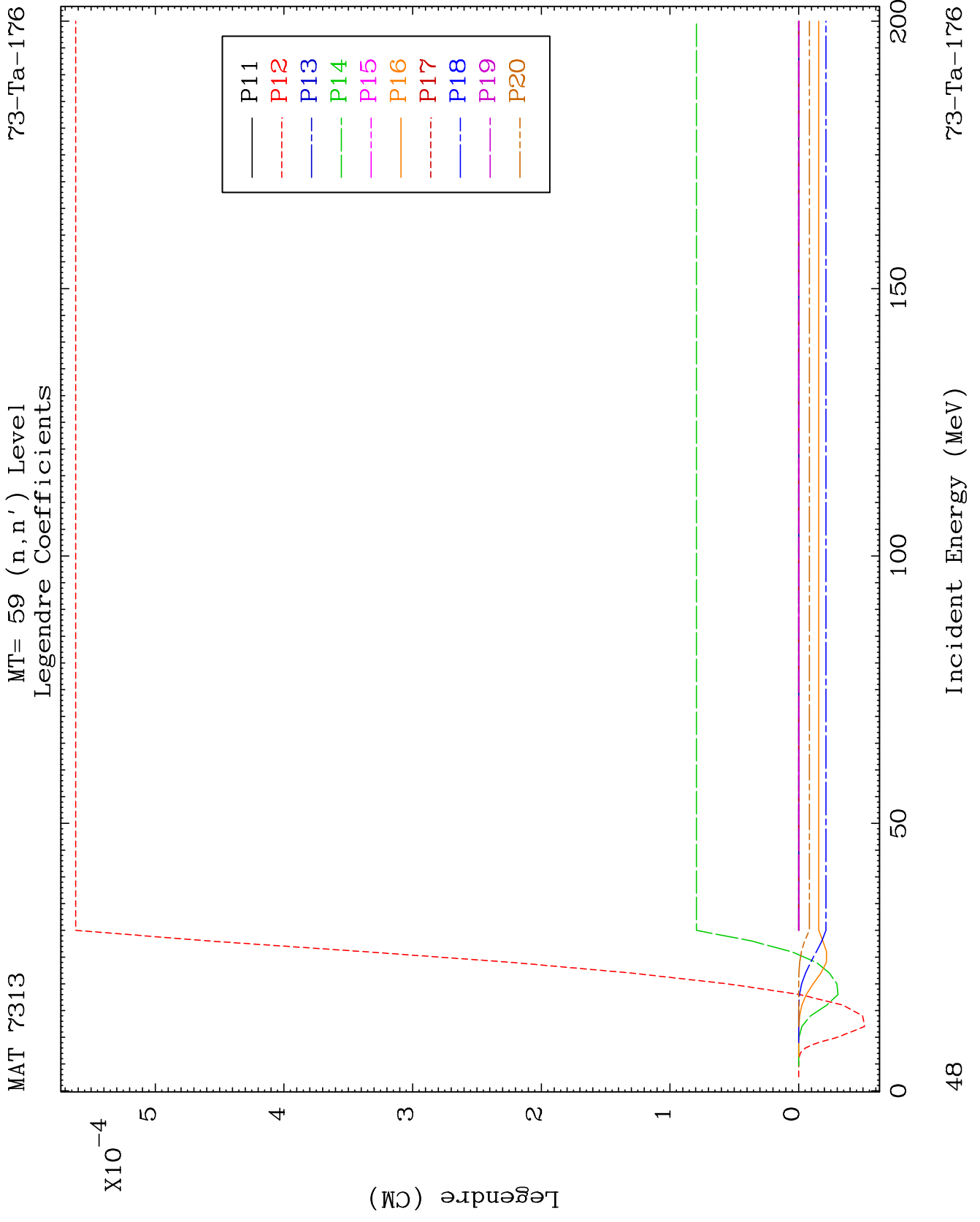
73-Ta-176

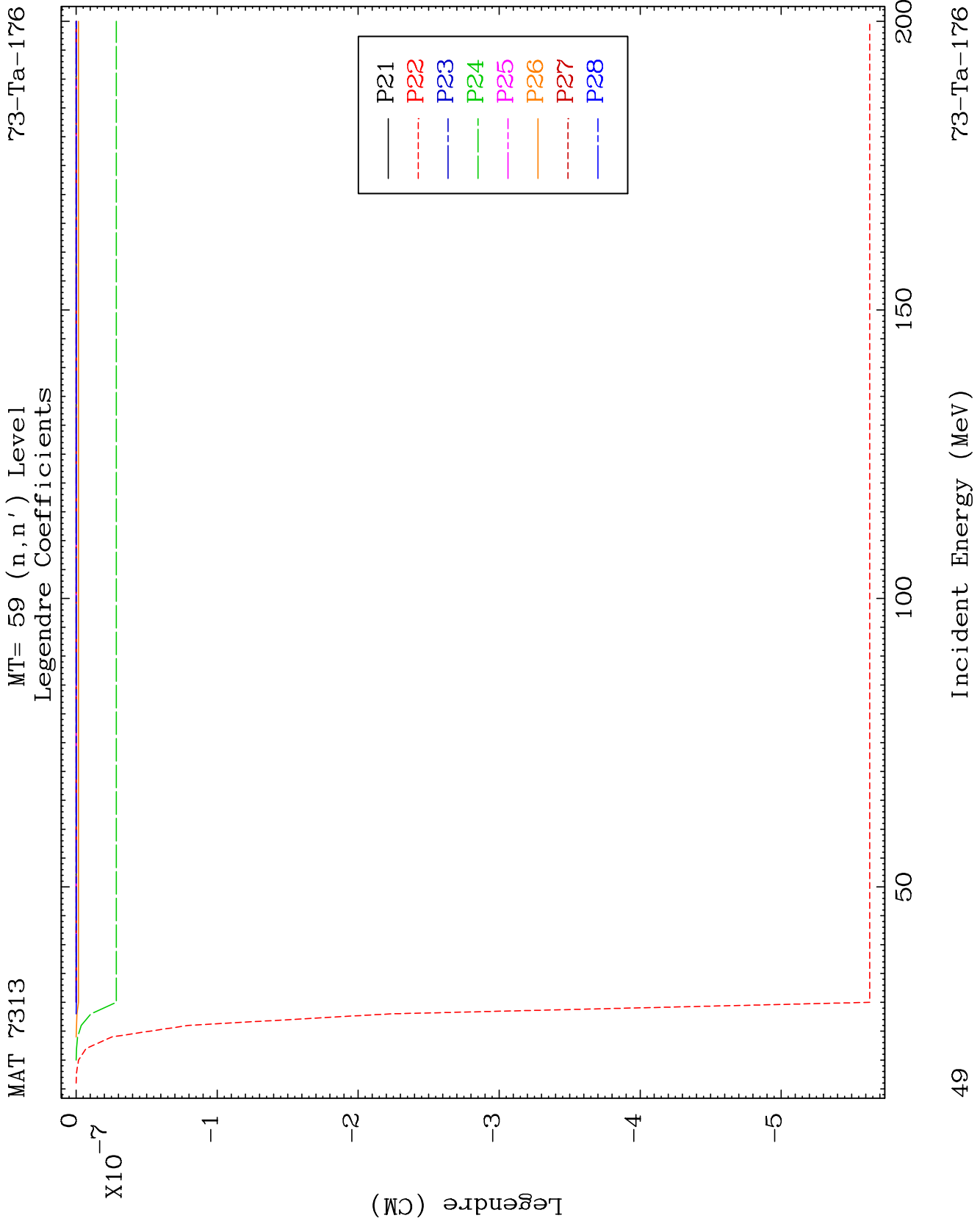


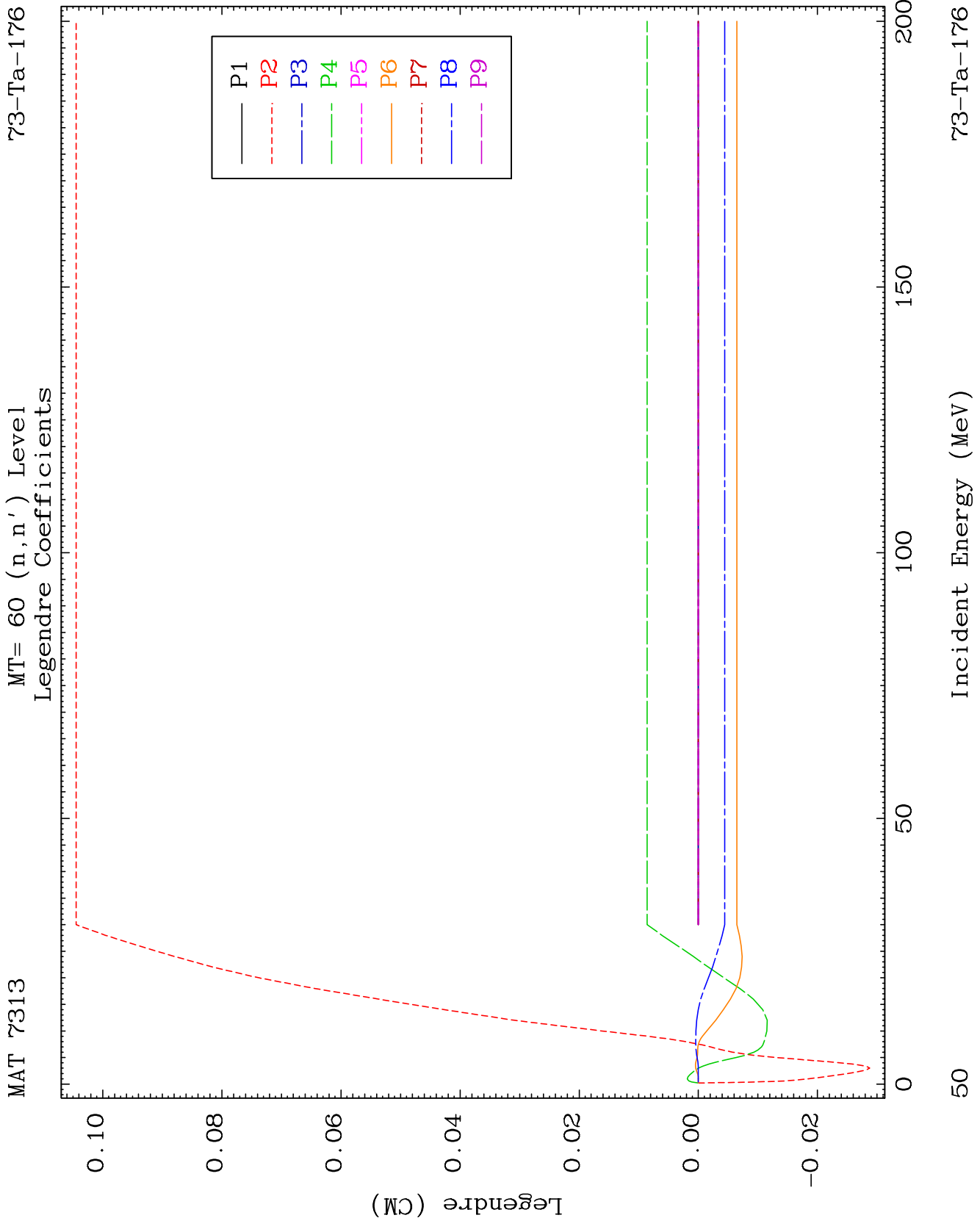
47

Incident Energy (MeV)

73-Ta-176



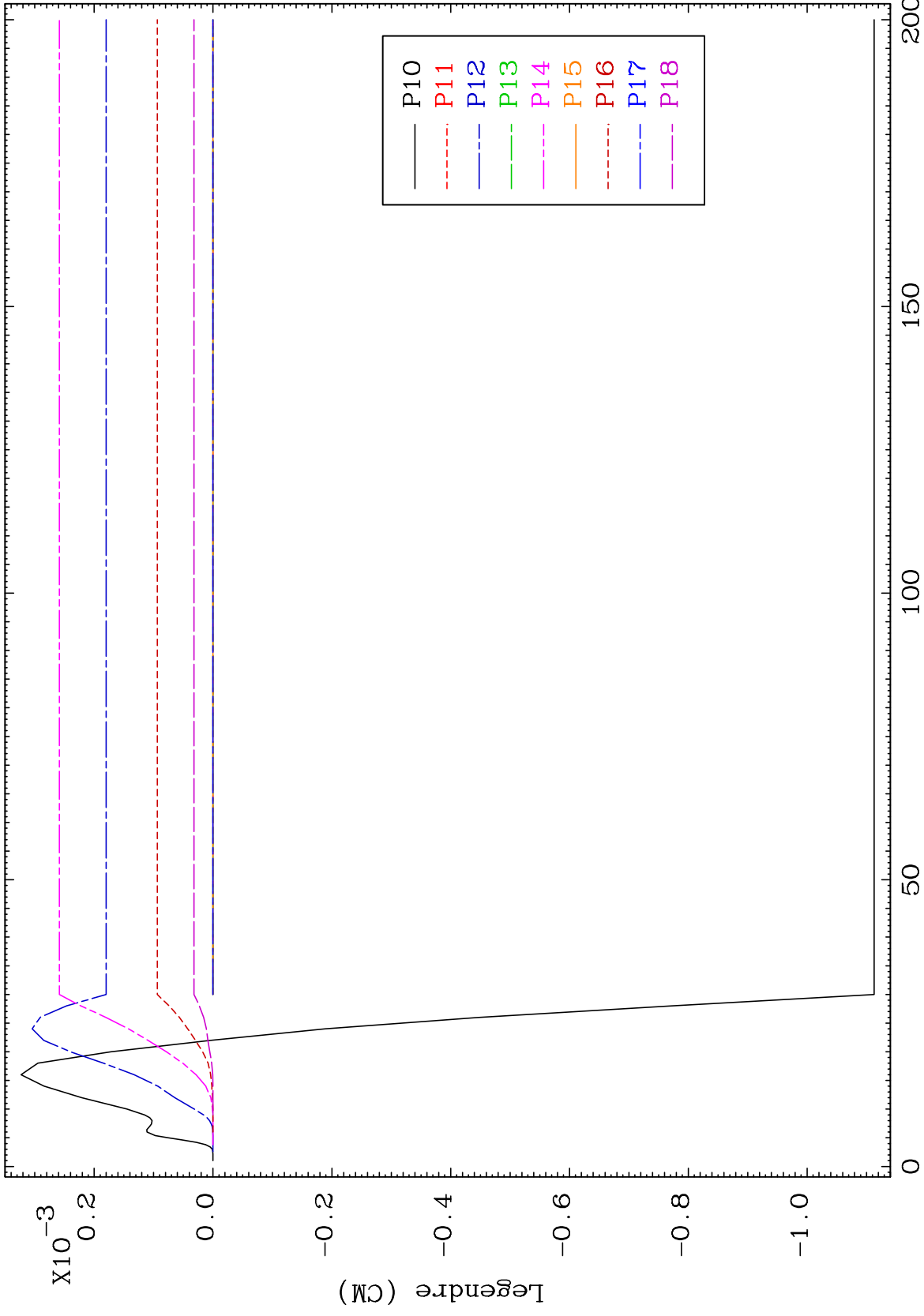


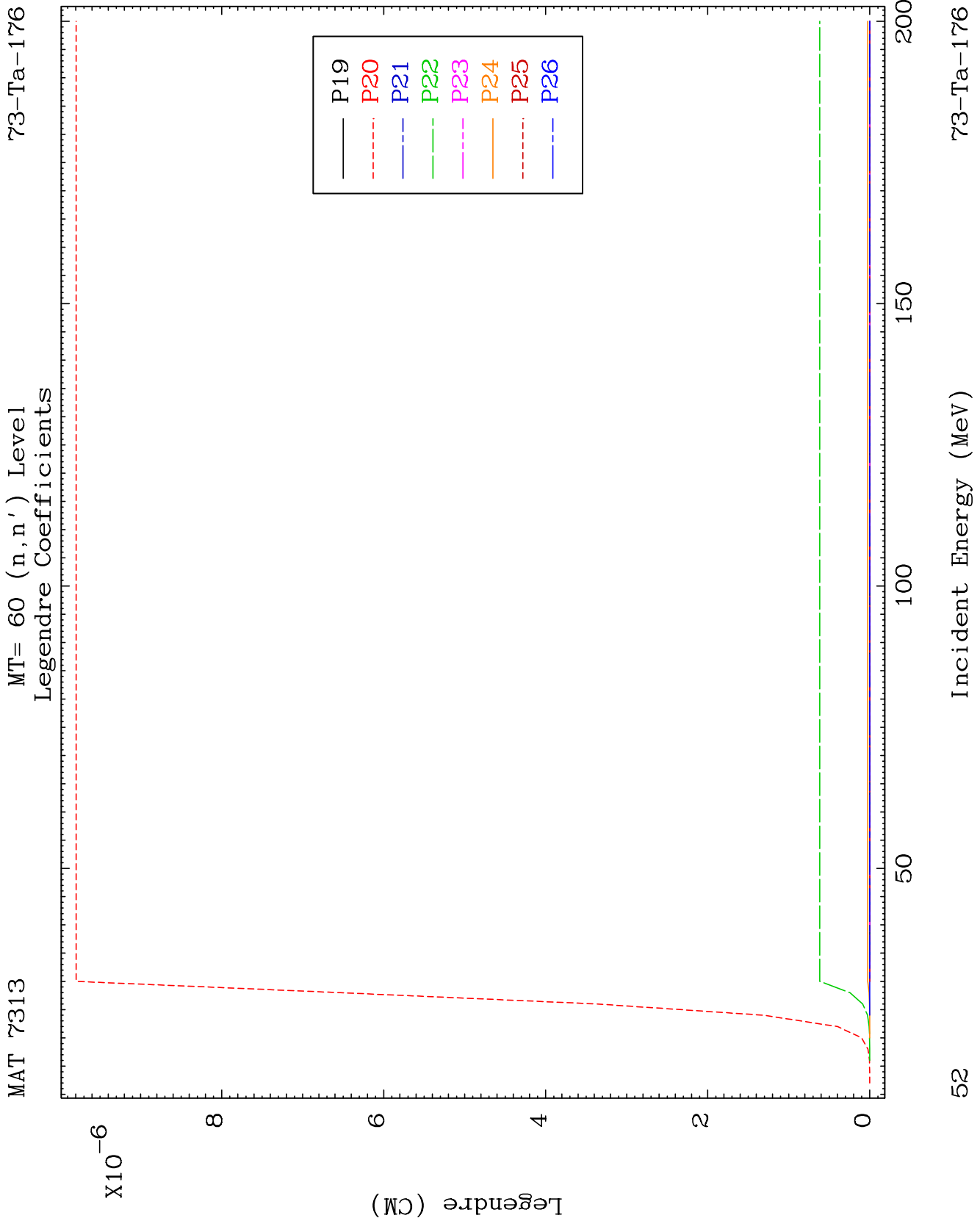


MAT 7313

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

73-Ta-176

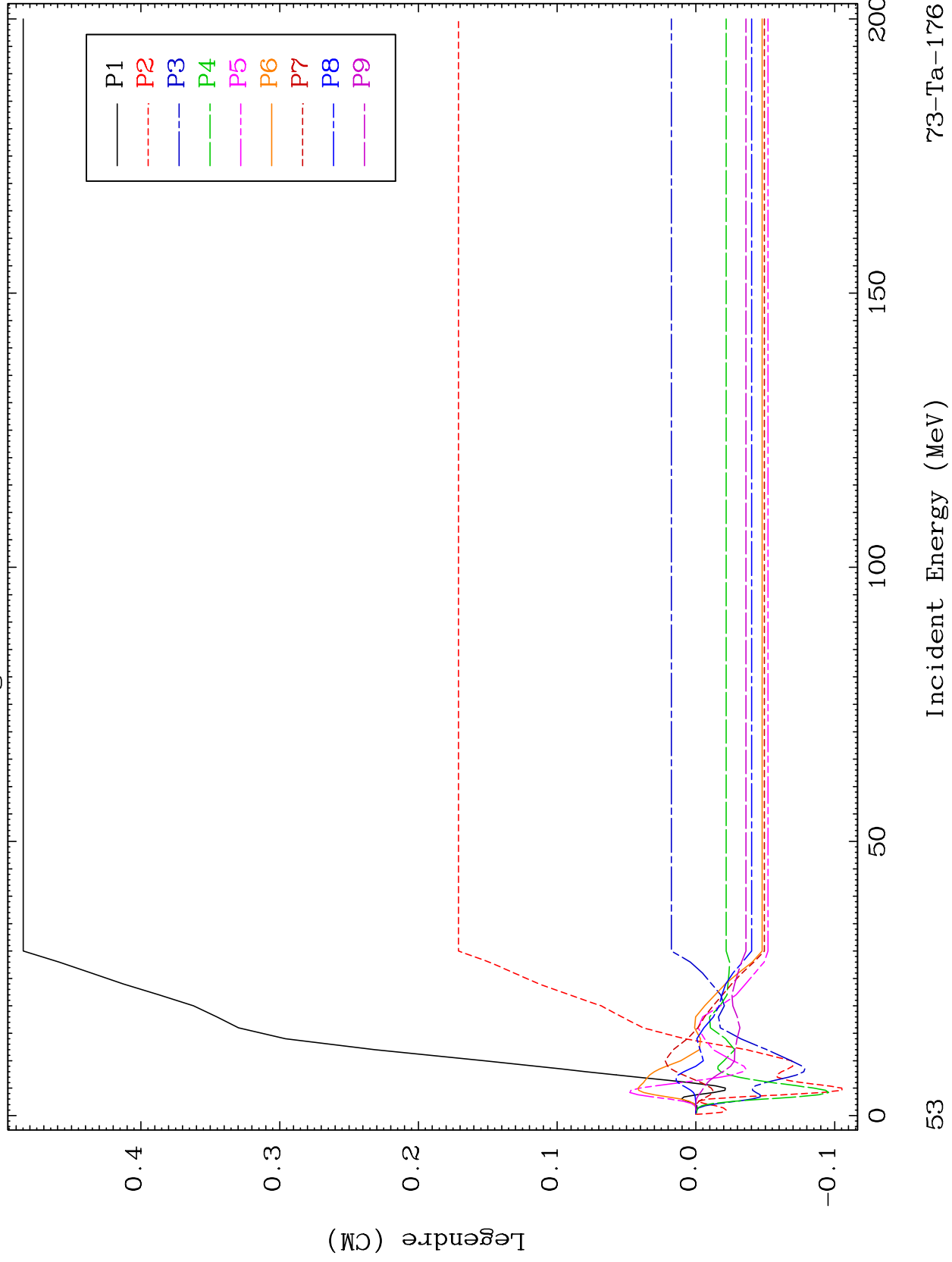




MAT 7313

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

73-Ta-176



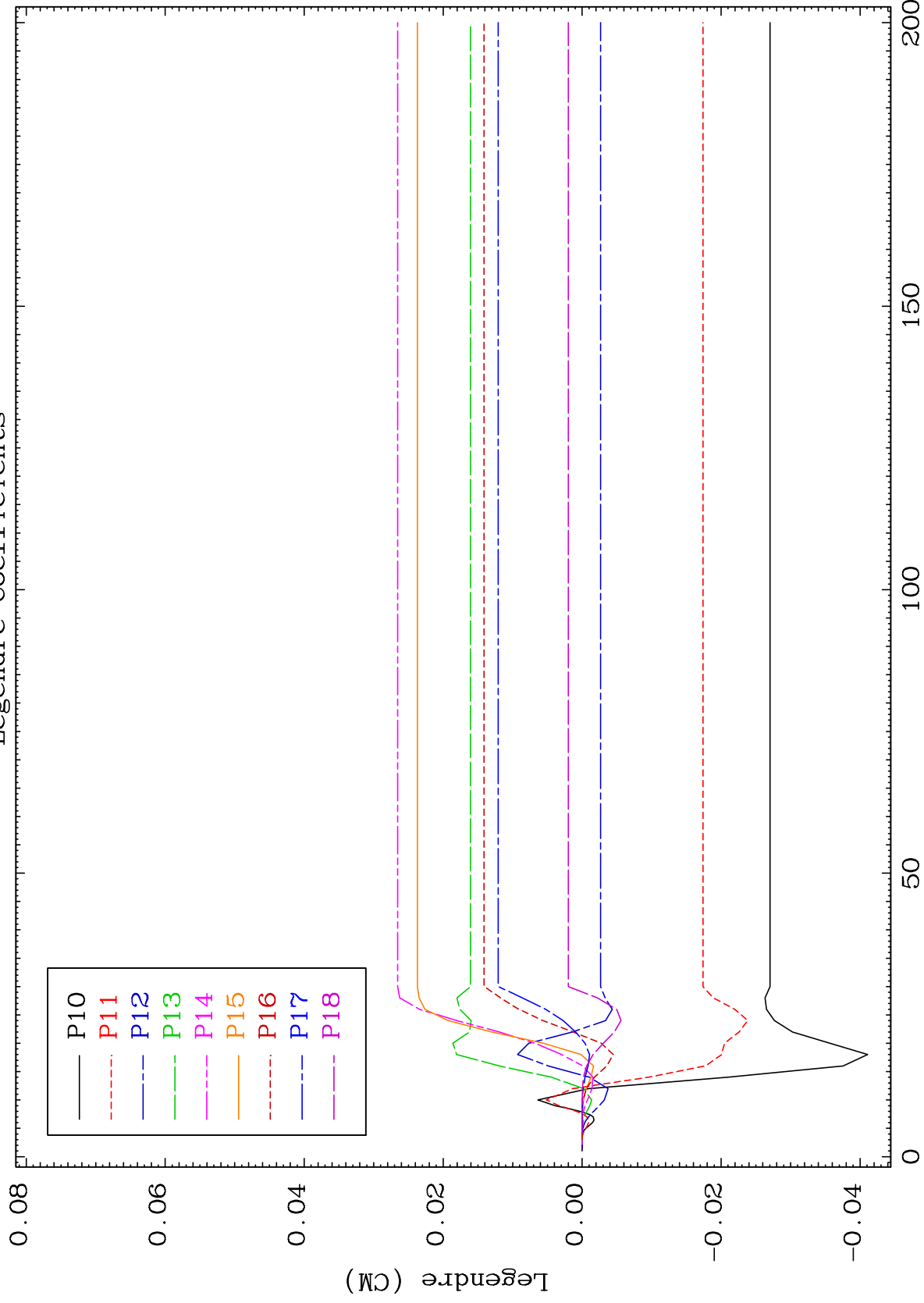
53

73-Ta-176

MAT 7313

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

73-Ta-176



54

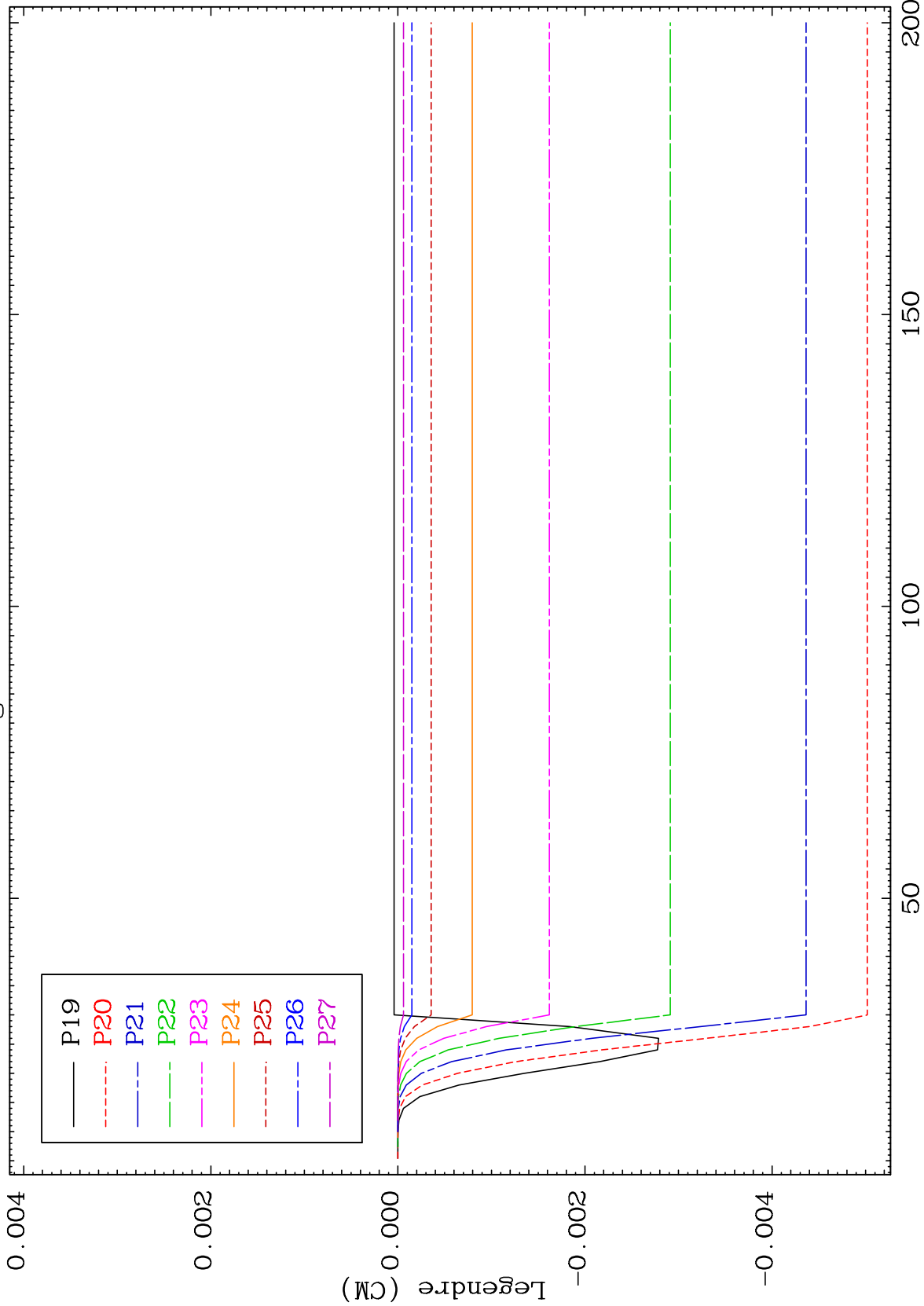
Incident Energy (MeV)

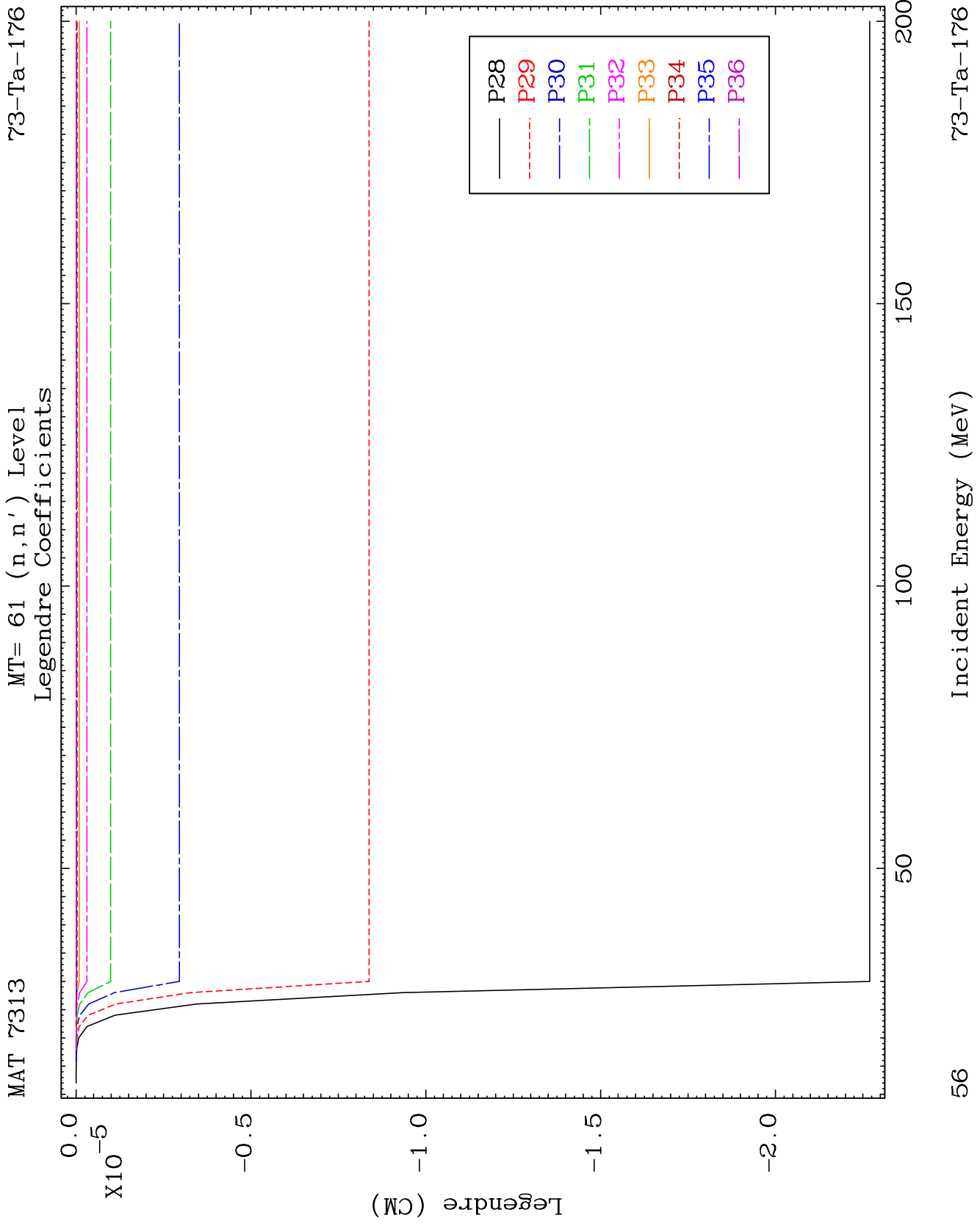
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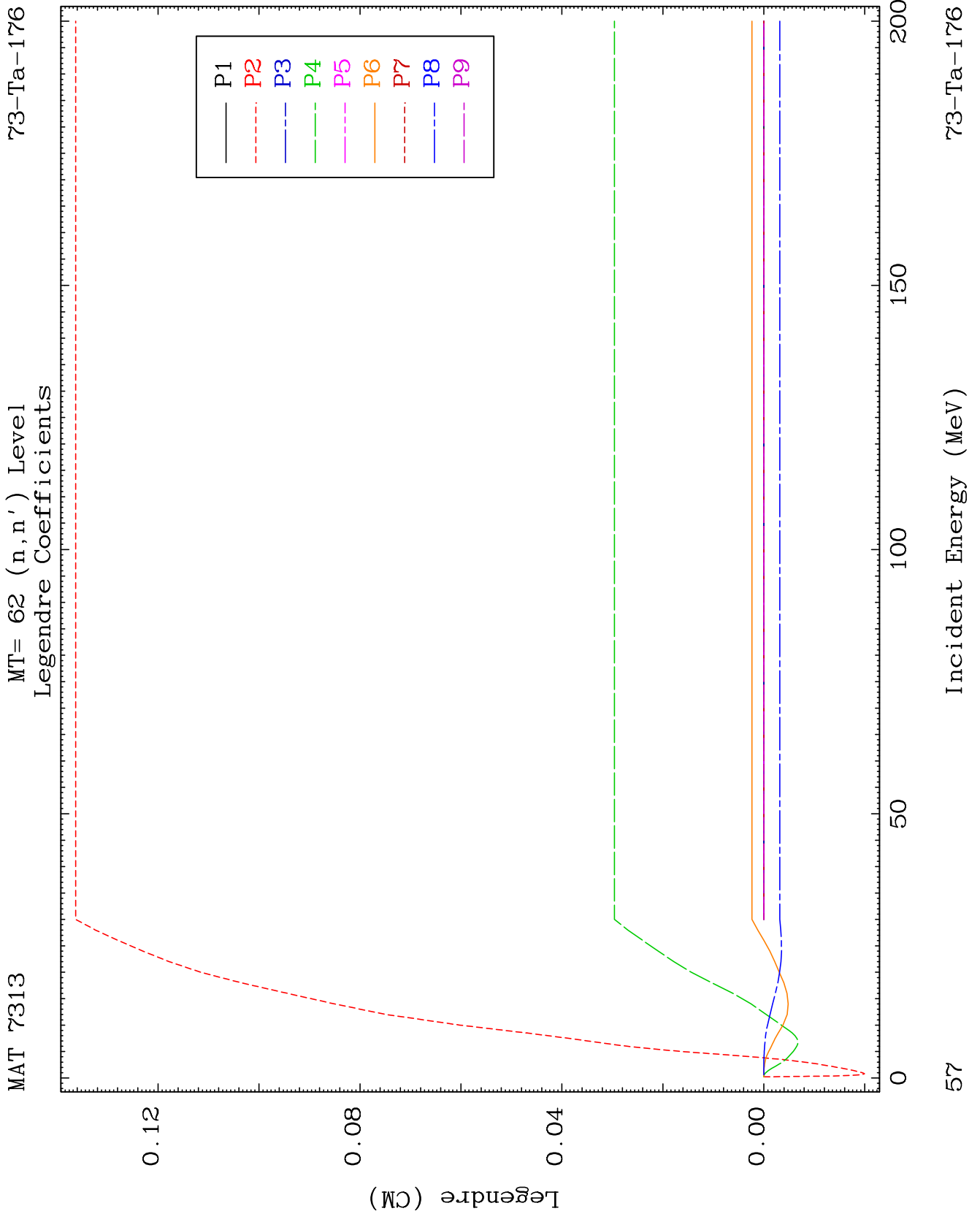
MAT 7313

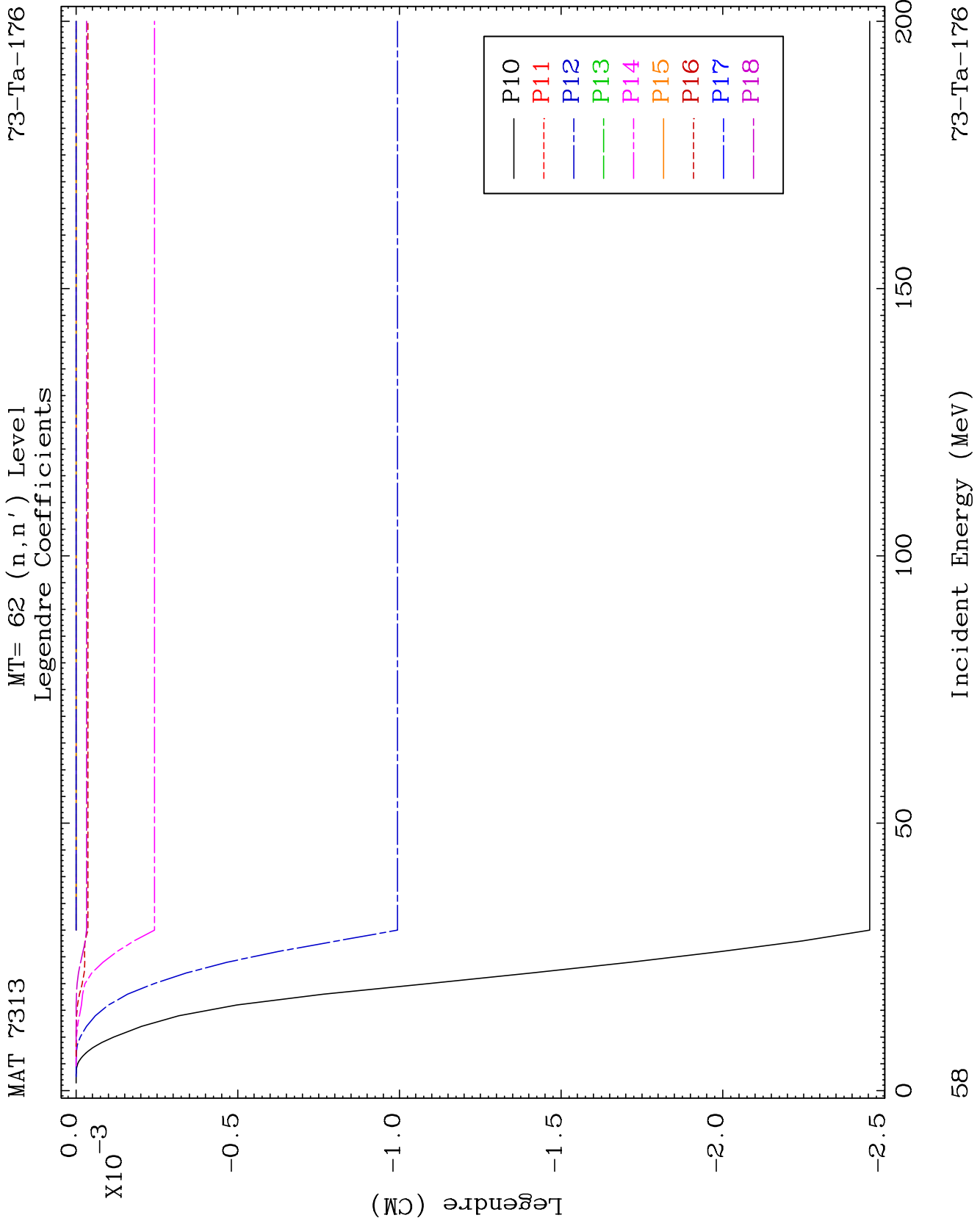
MT= 61 (n,n') Level
Legendre Coefficients

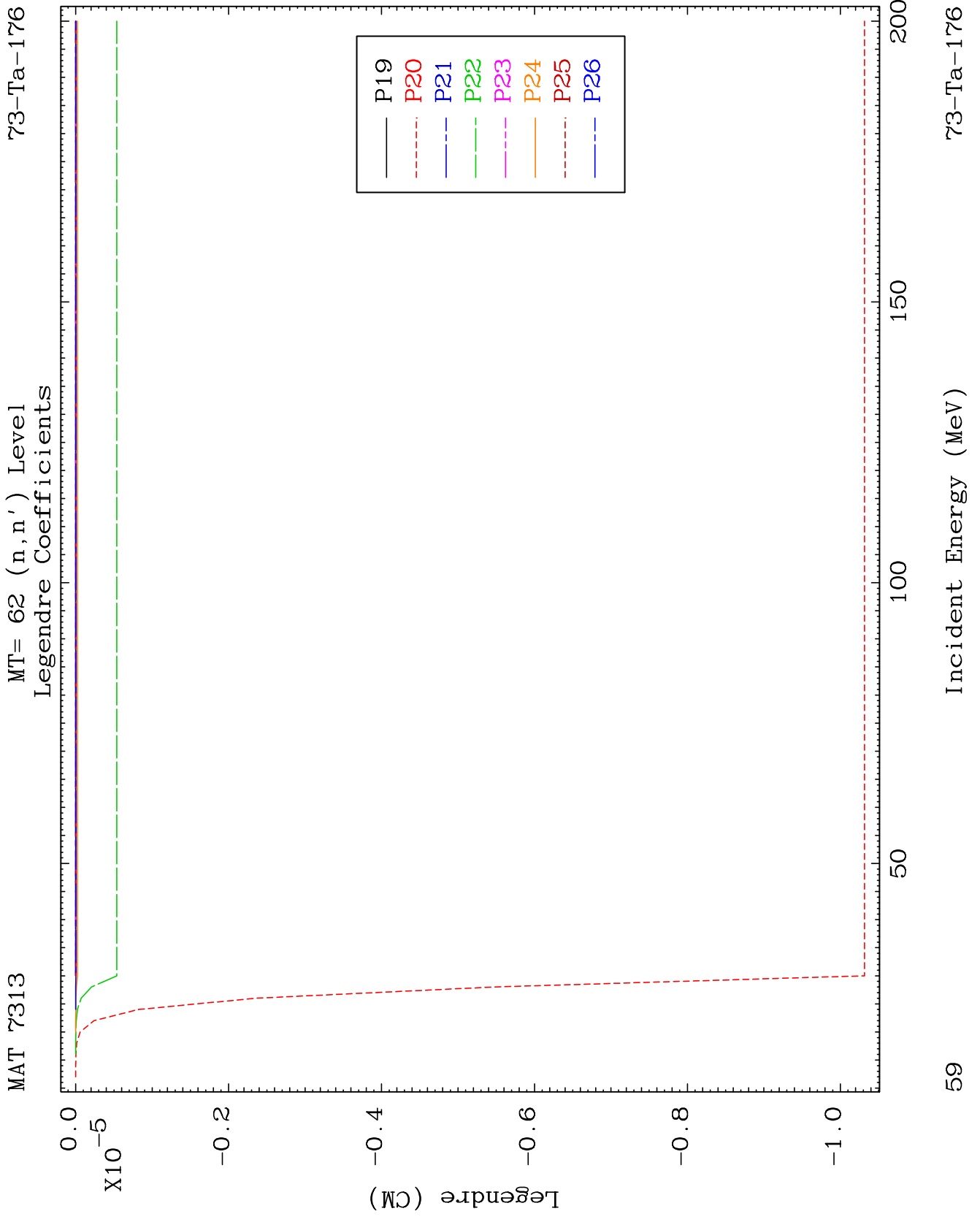
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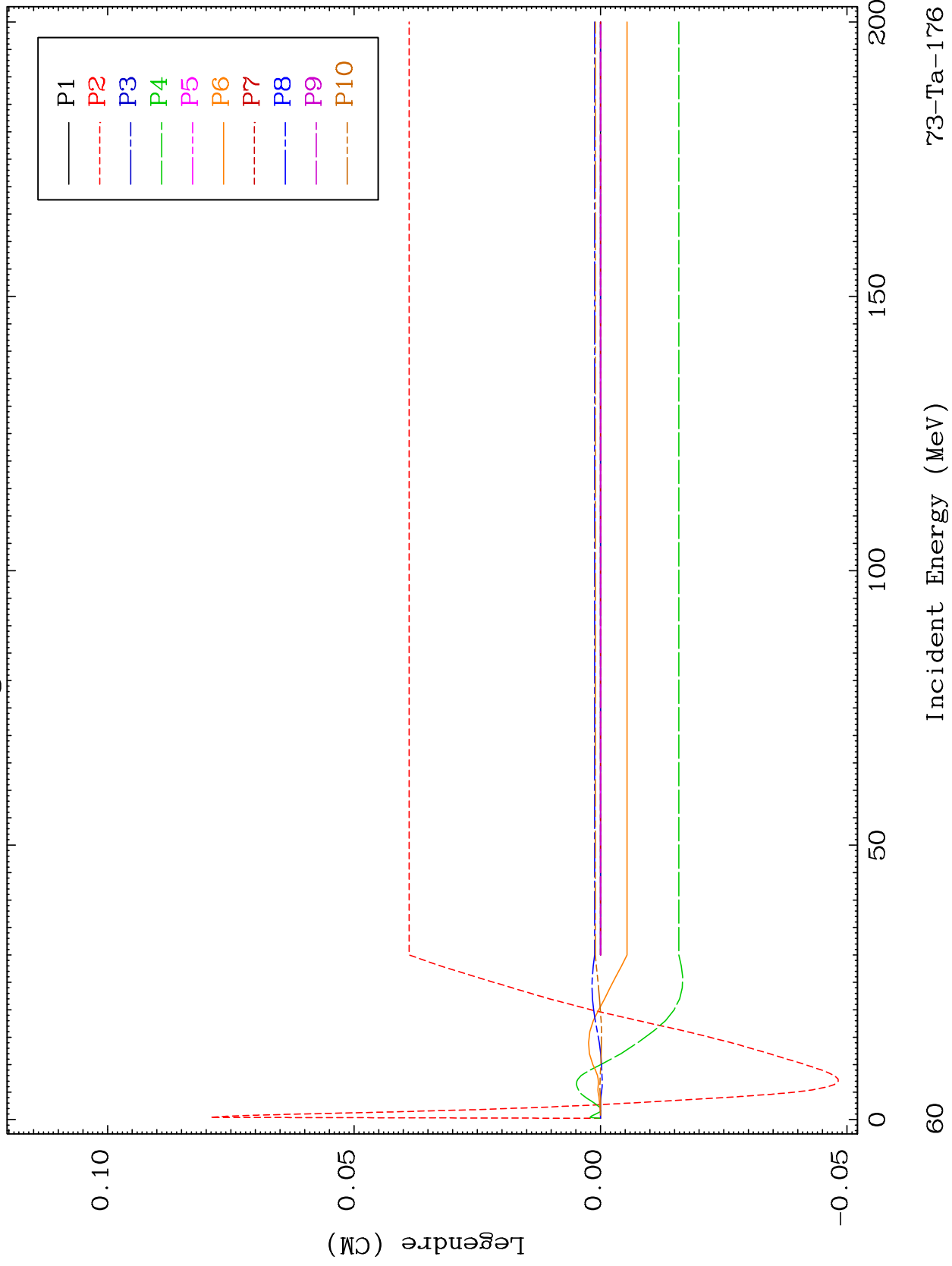




MAT 7313

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

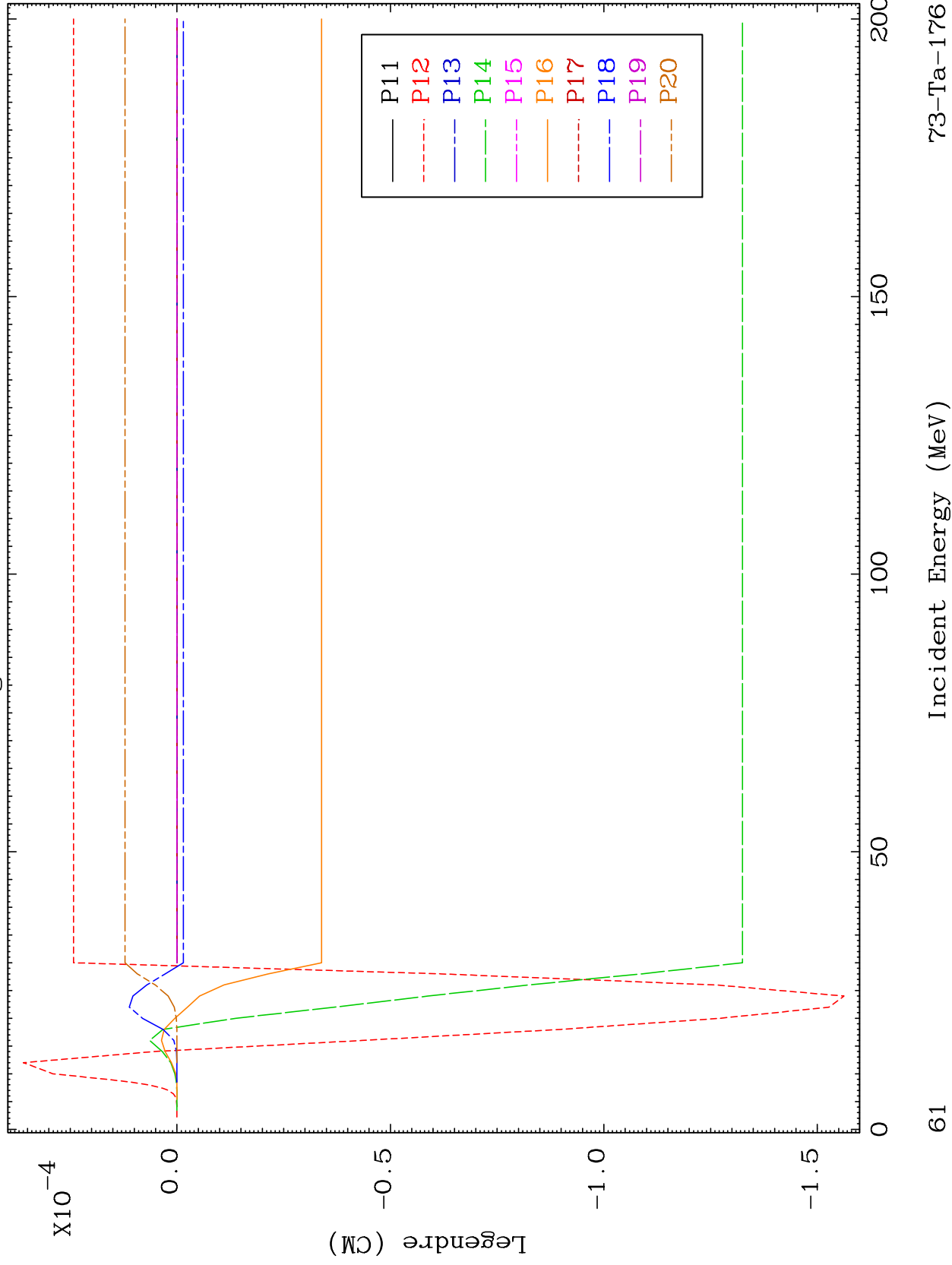
73-Ta-176



MAT 7313

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

73-Ta-176



73-Ta-176

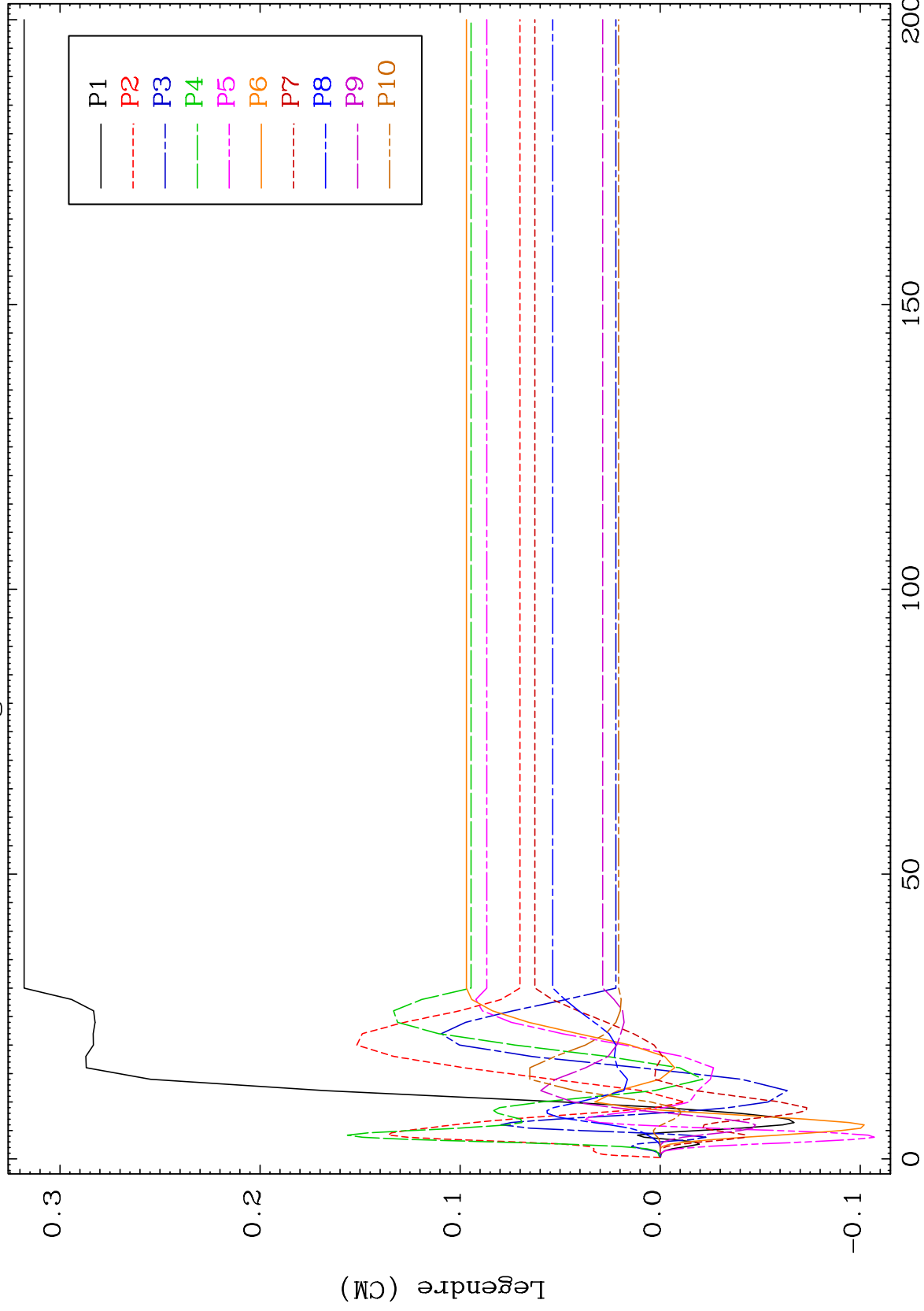
Incident Energy (MeV)

61

MAT 7313

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

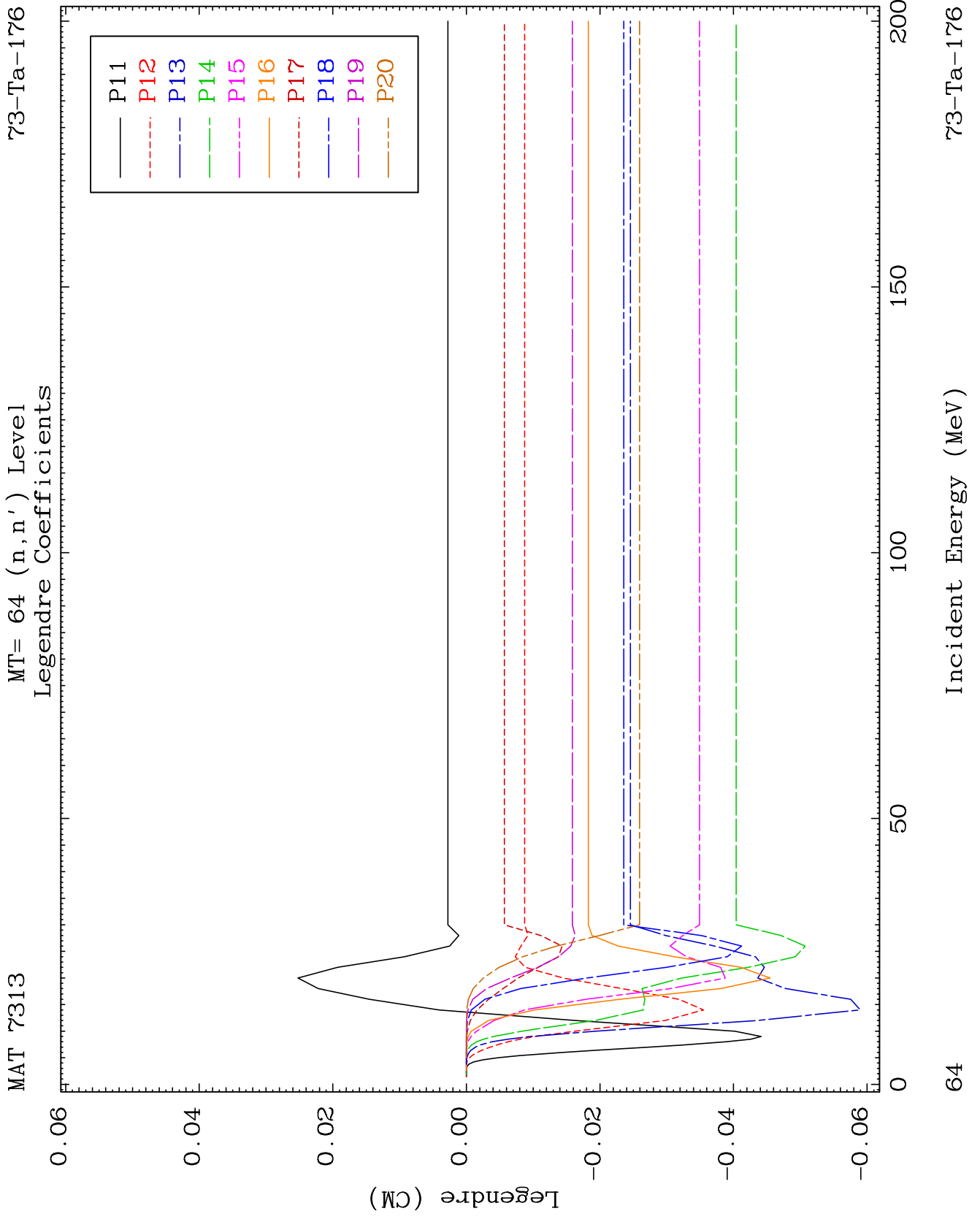
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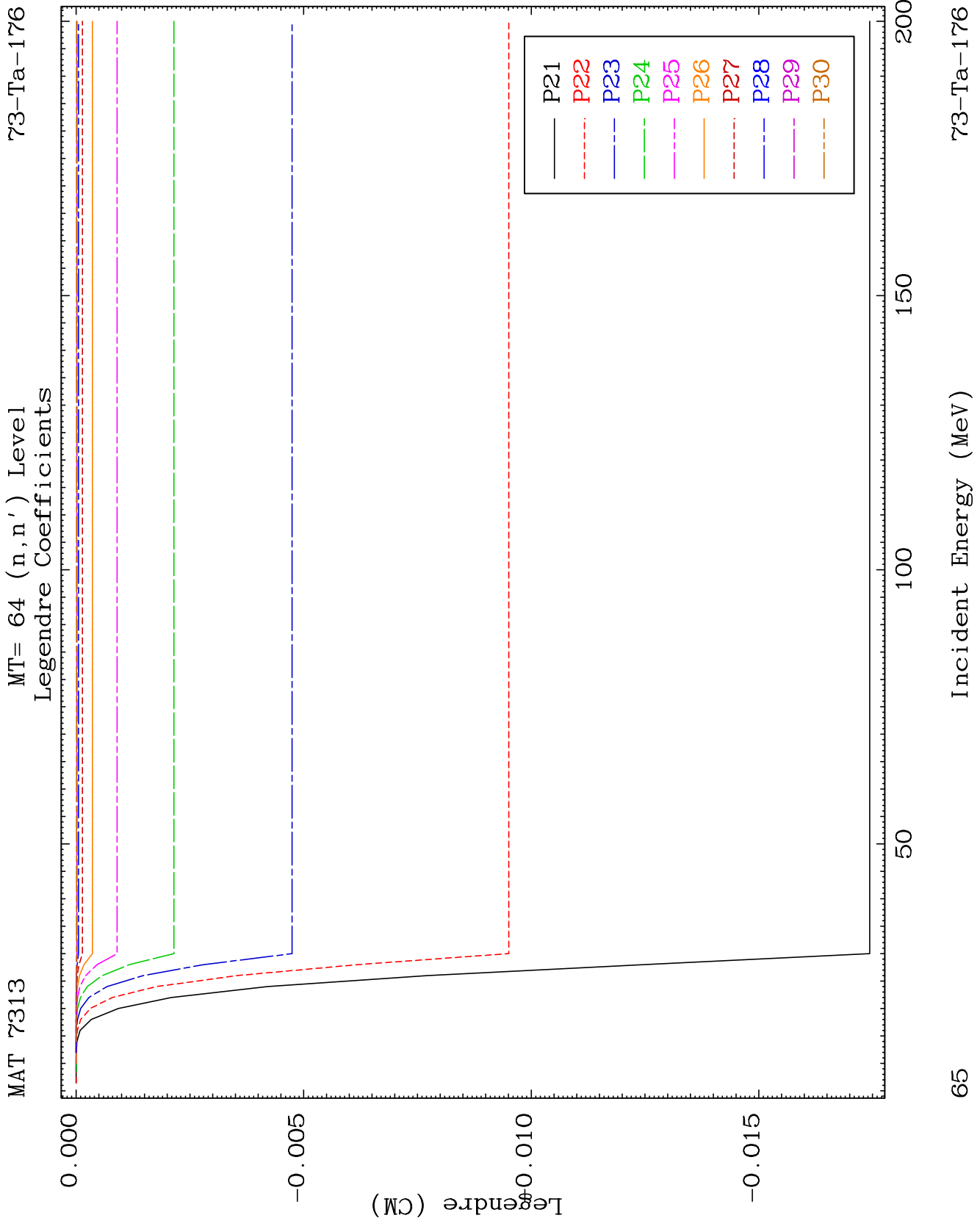


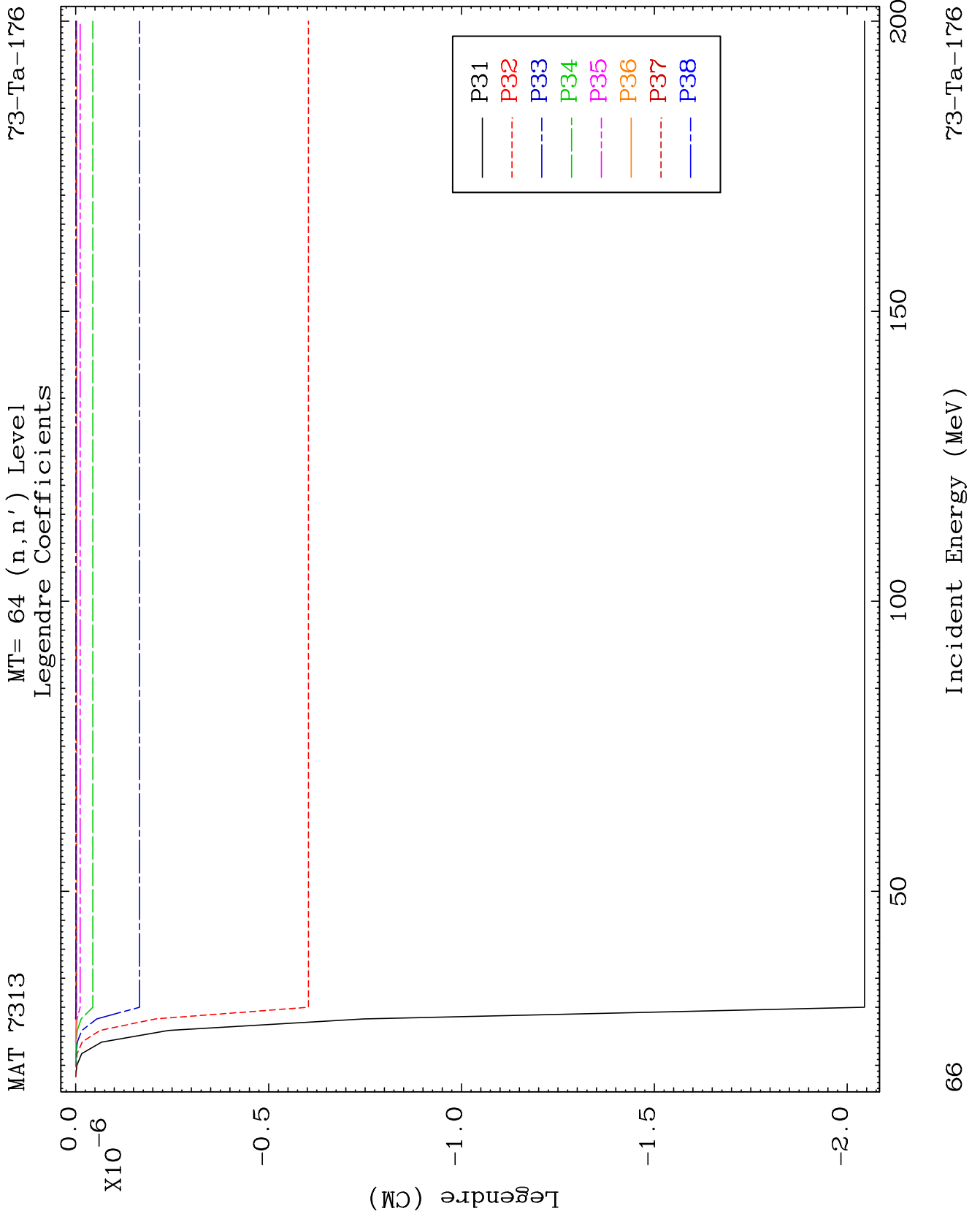
63

Incident Energy (MeV)

73-Ta-176



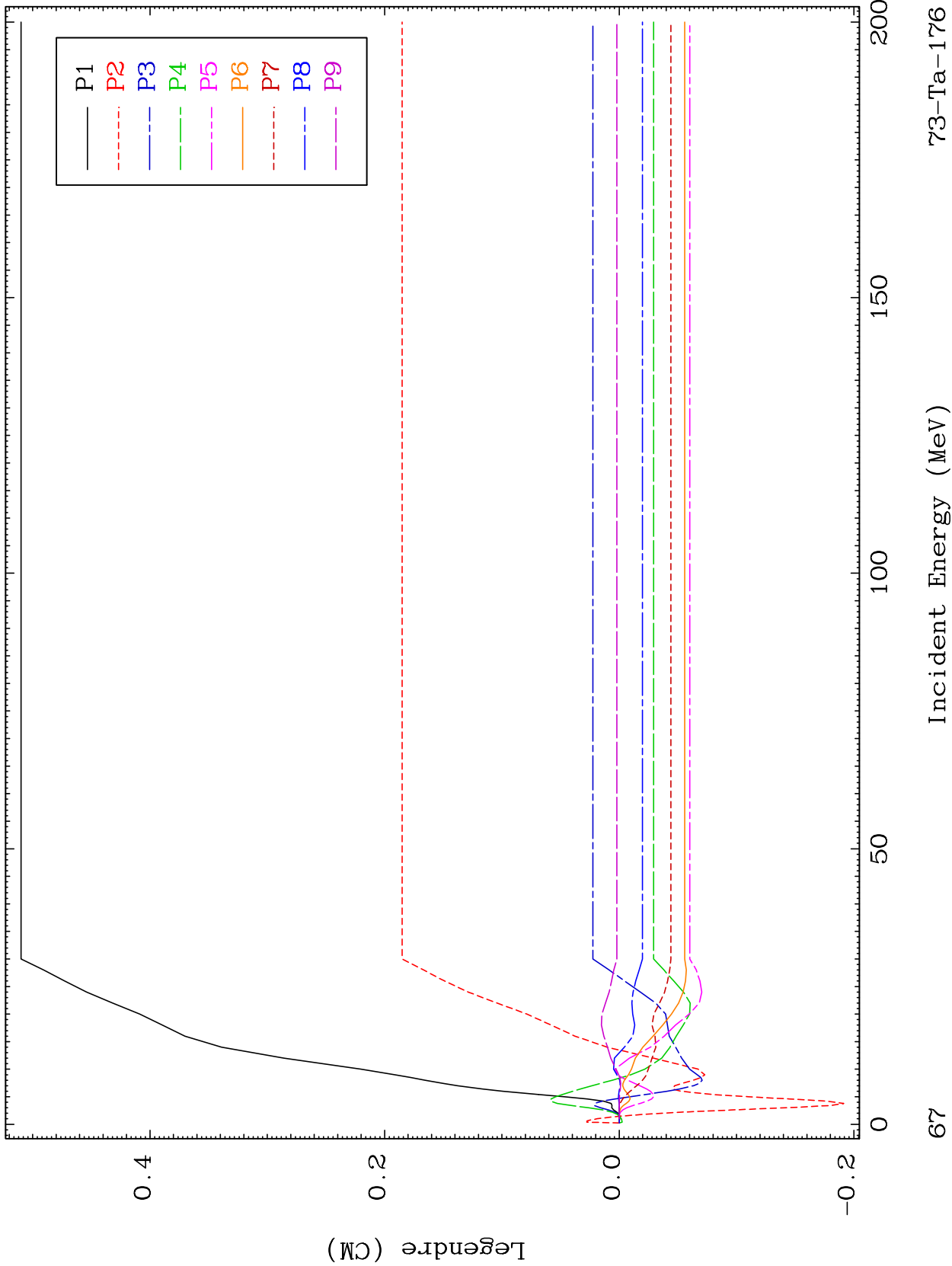




MAT 7313

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

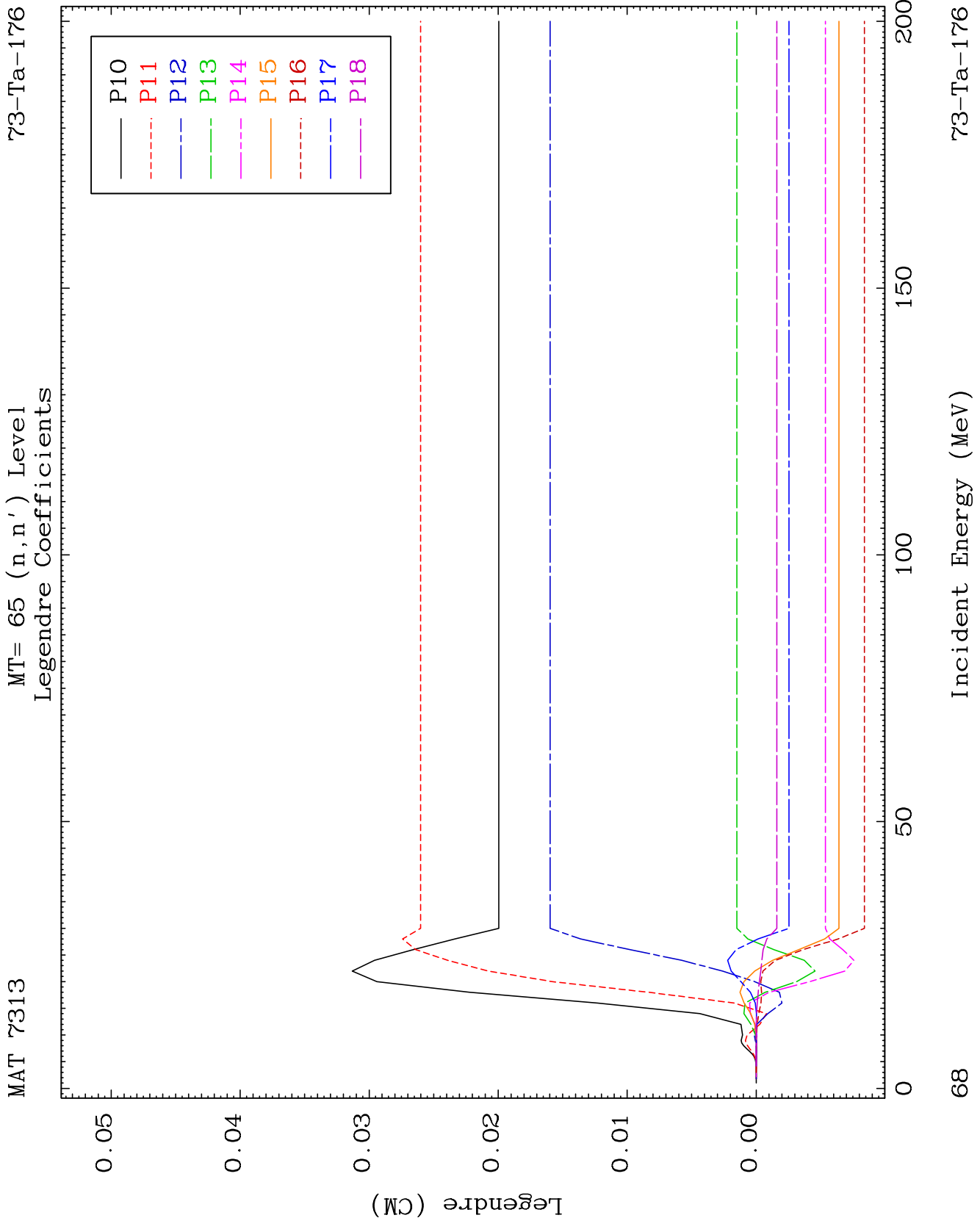
73-Ta-176



73-Ta-176

Incident Energy (MeV)

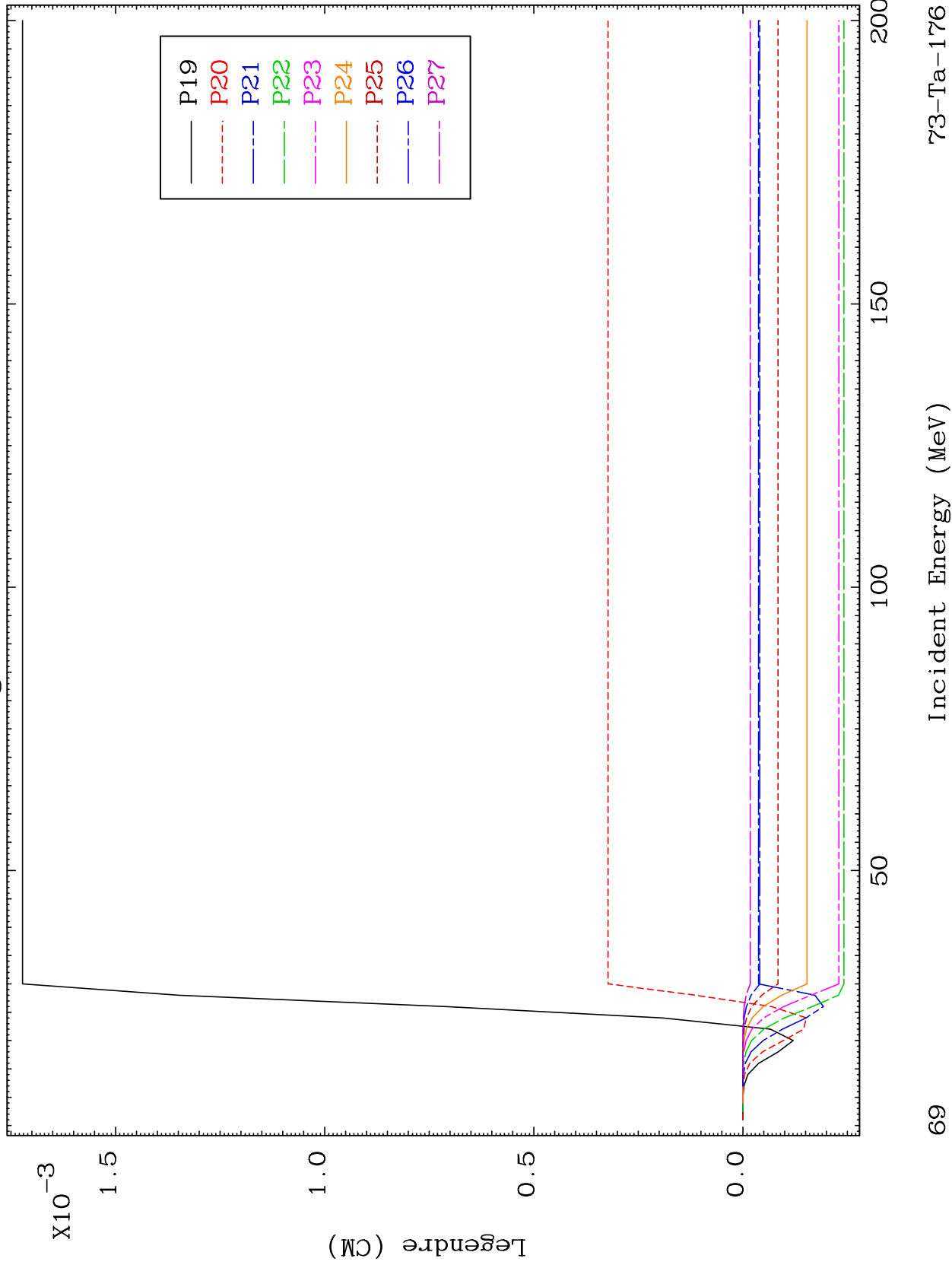
67



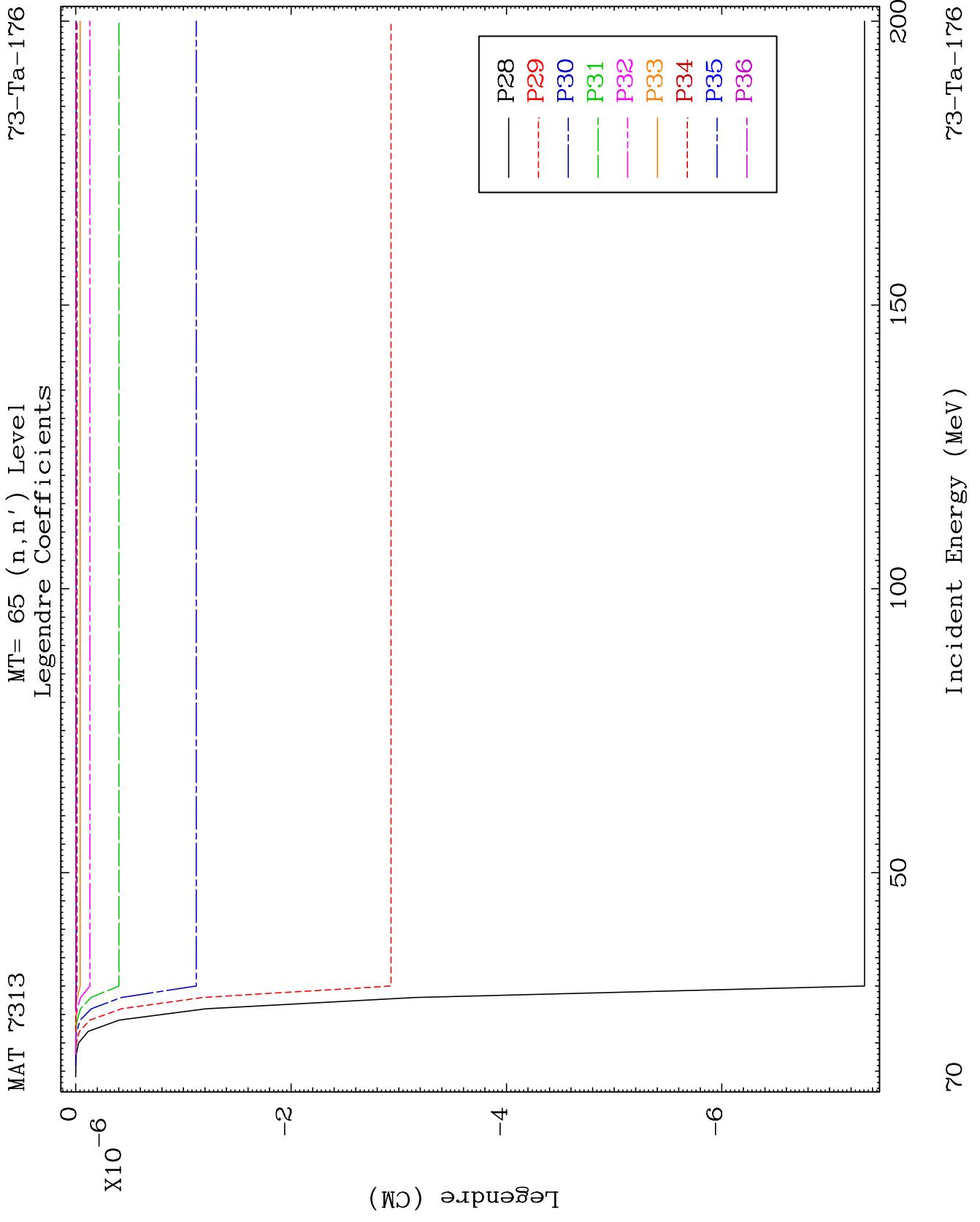
MAT 7313

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

73-Ta-176



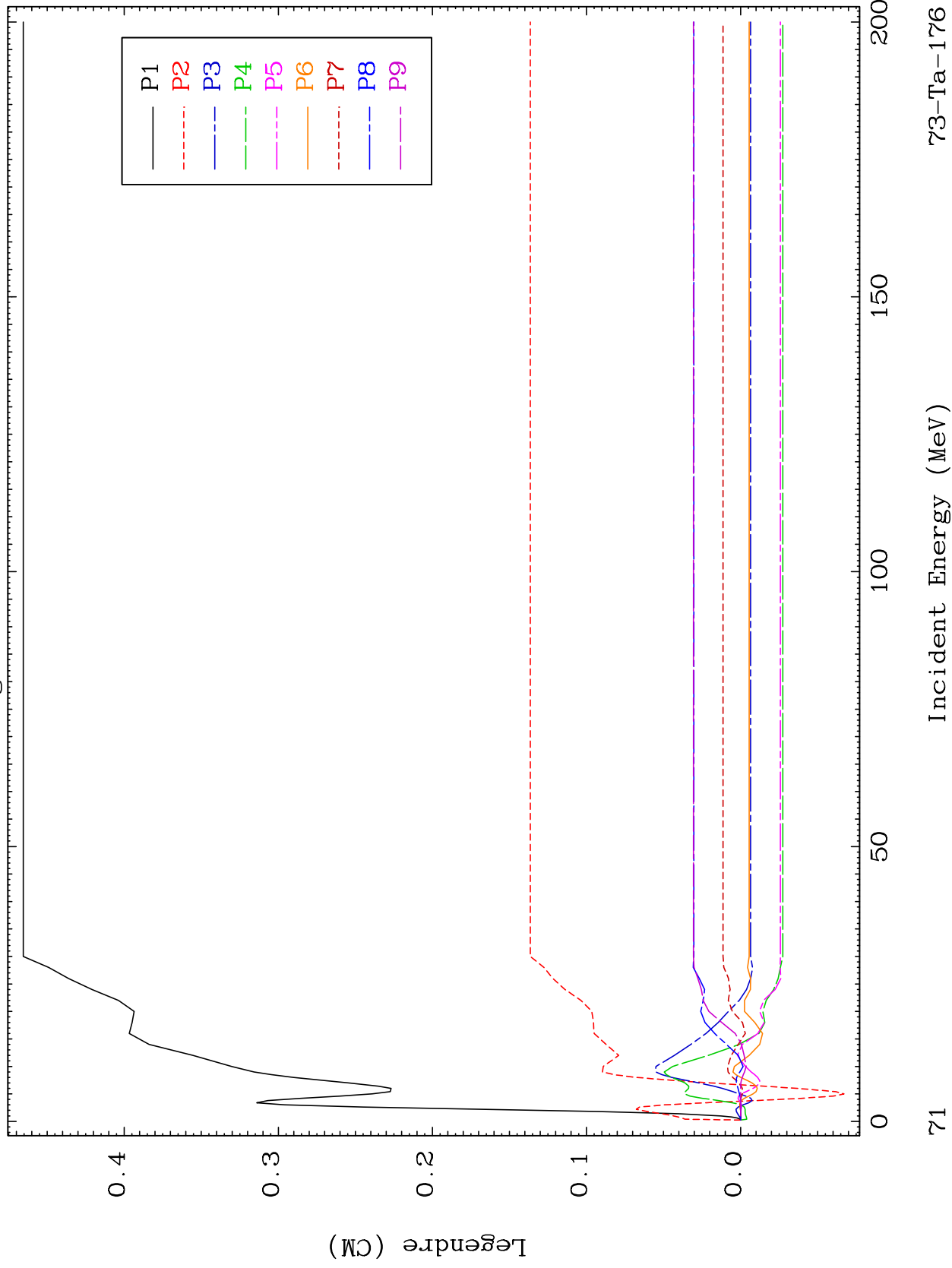
69



MAT 7313

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

73-Ta-176



73-Ta-176

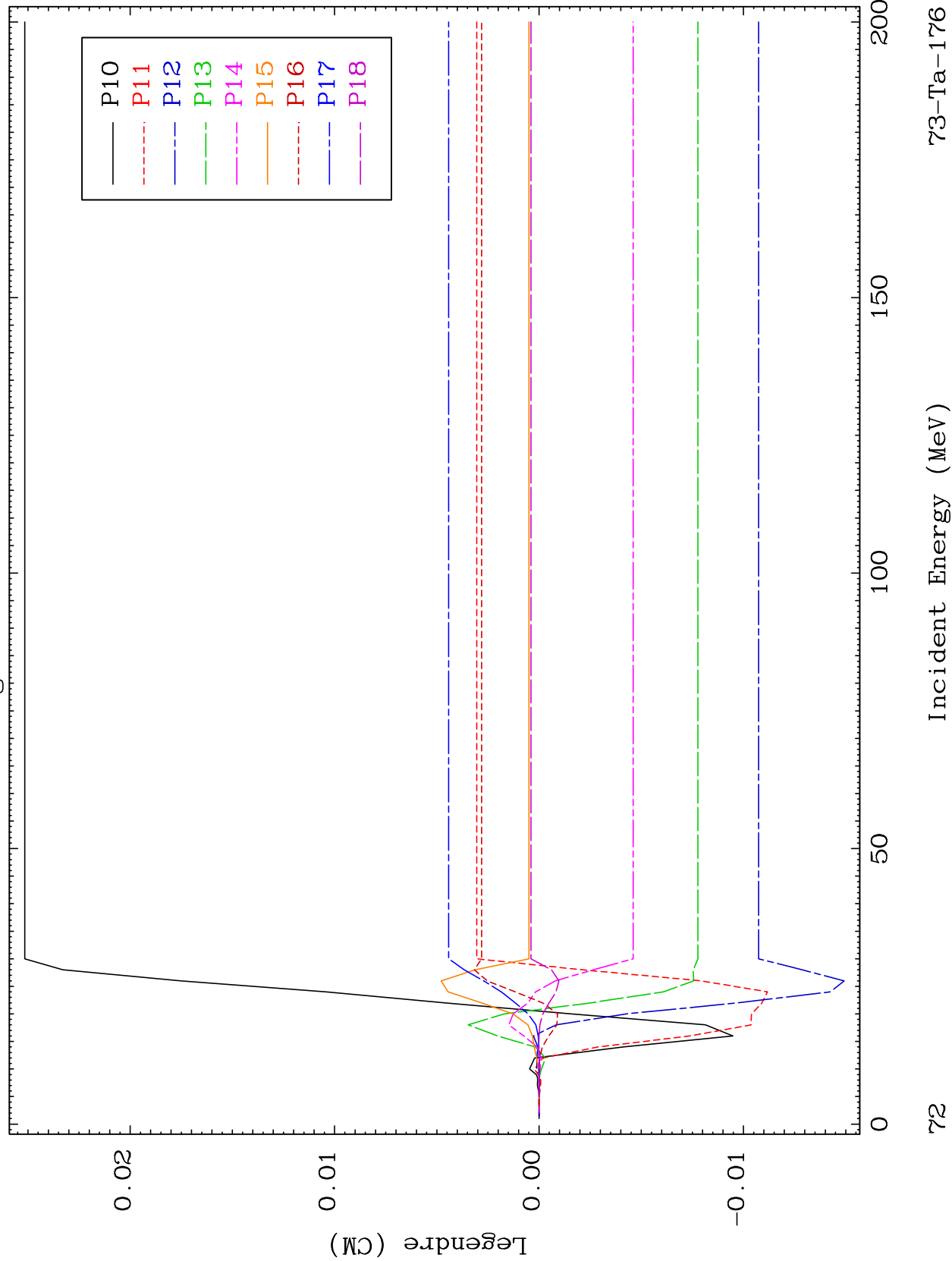
Incident Energy (MeV)

71

MAT 7313

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

73-Ta-176



72

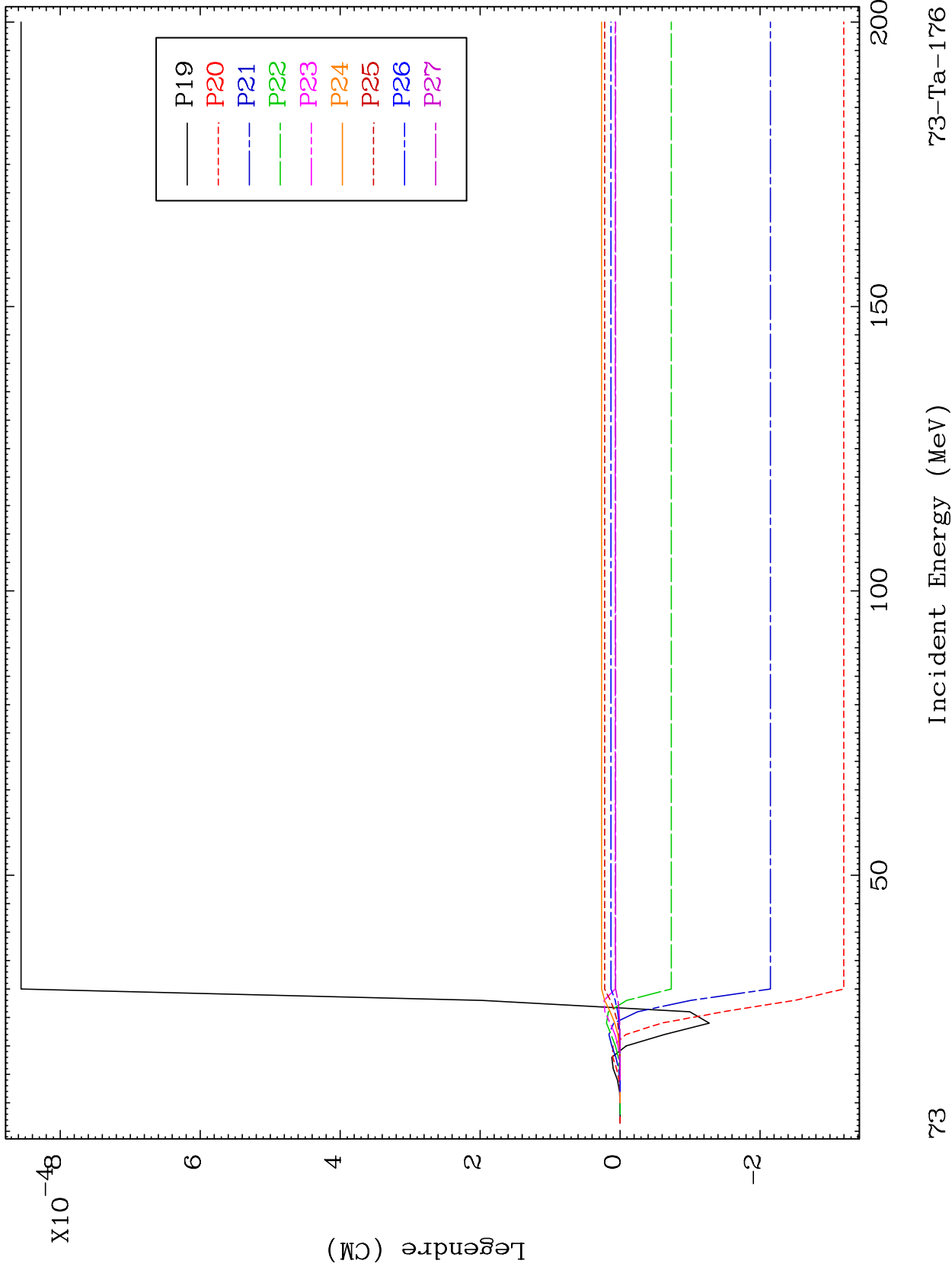
Incident Energy (MeV)

73-Ta-176

MAT 7313

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

73-Ta-176



73

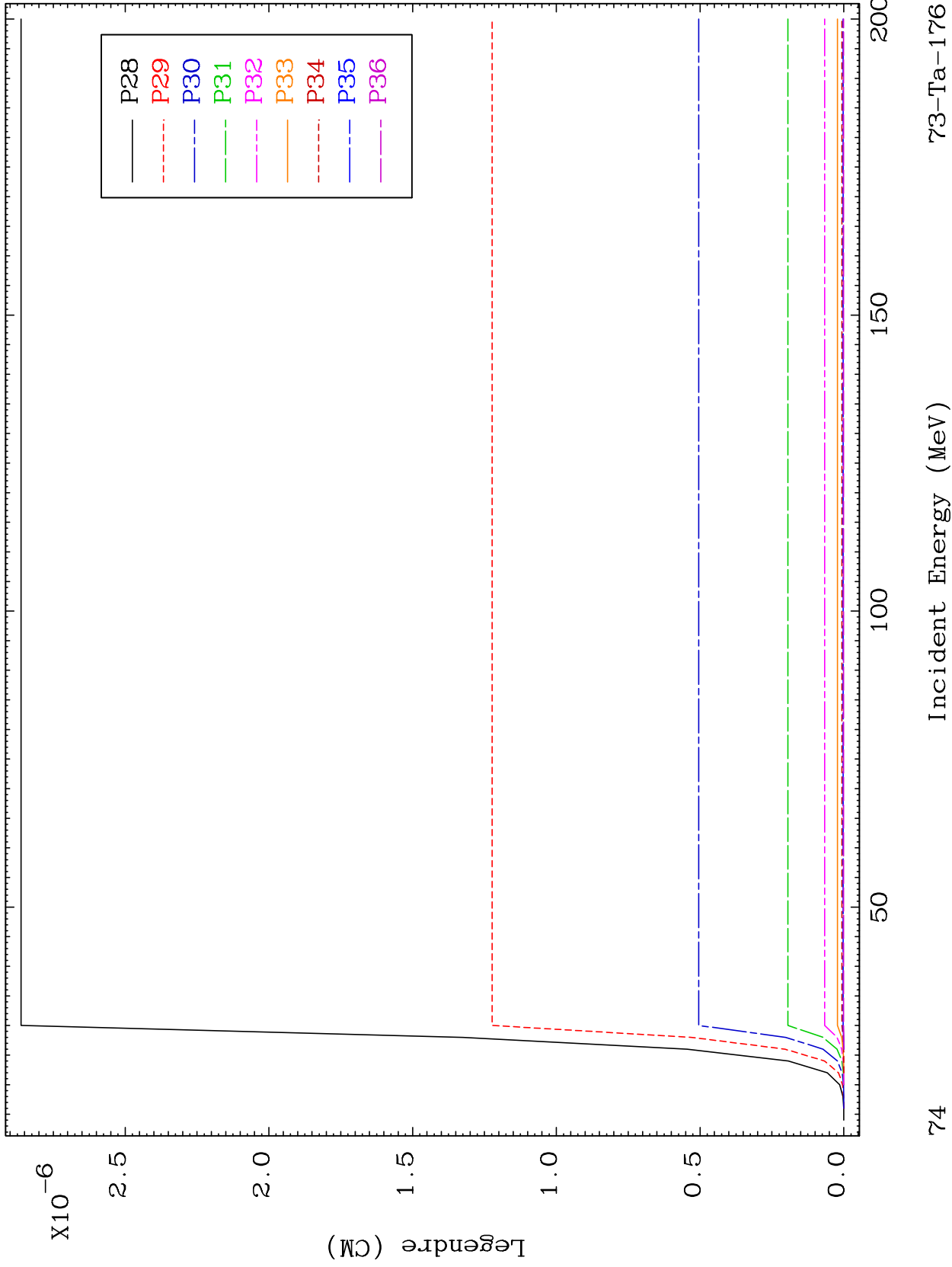
Incident Energy (MeV)

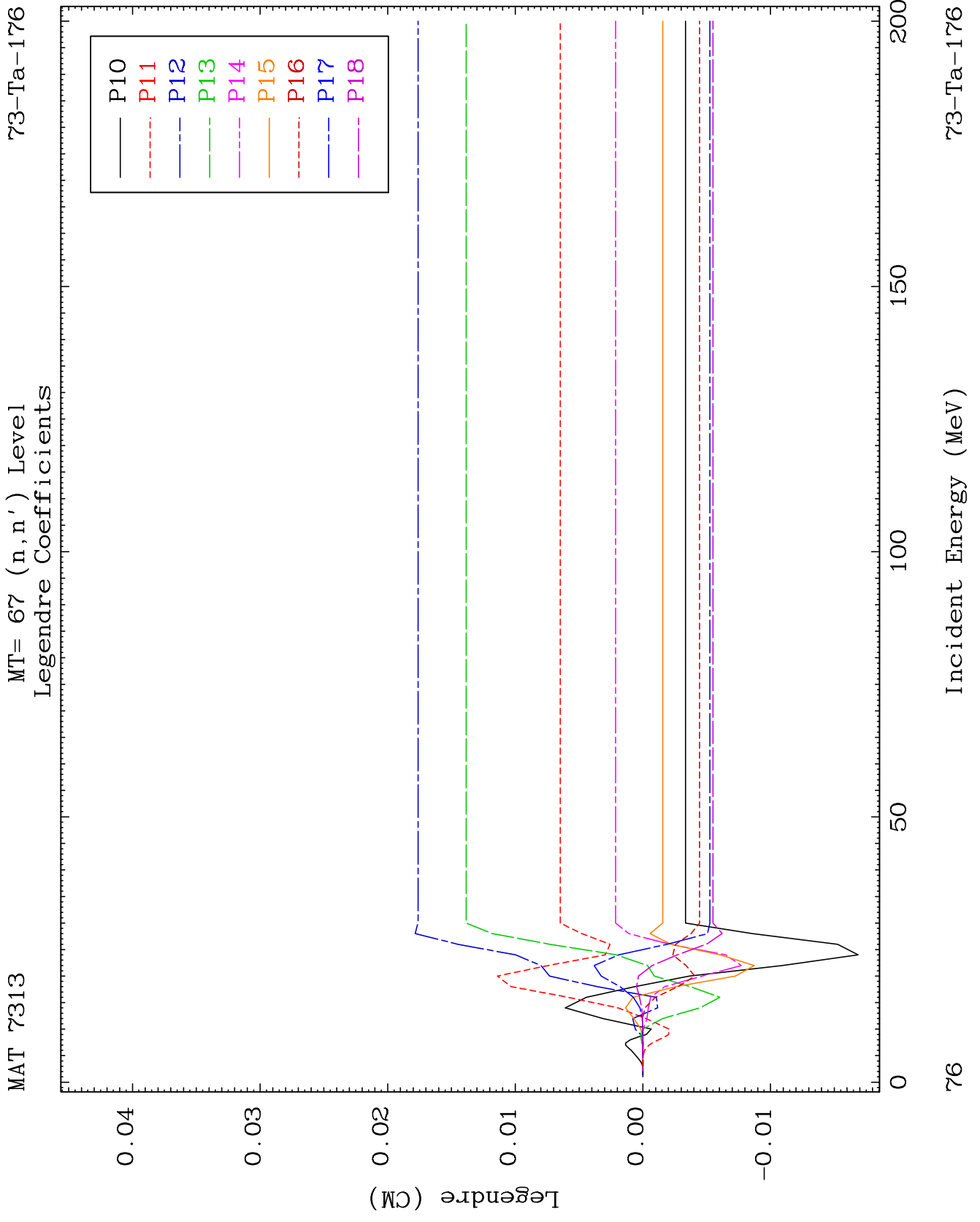
73-Ta-176

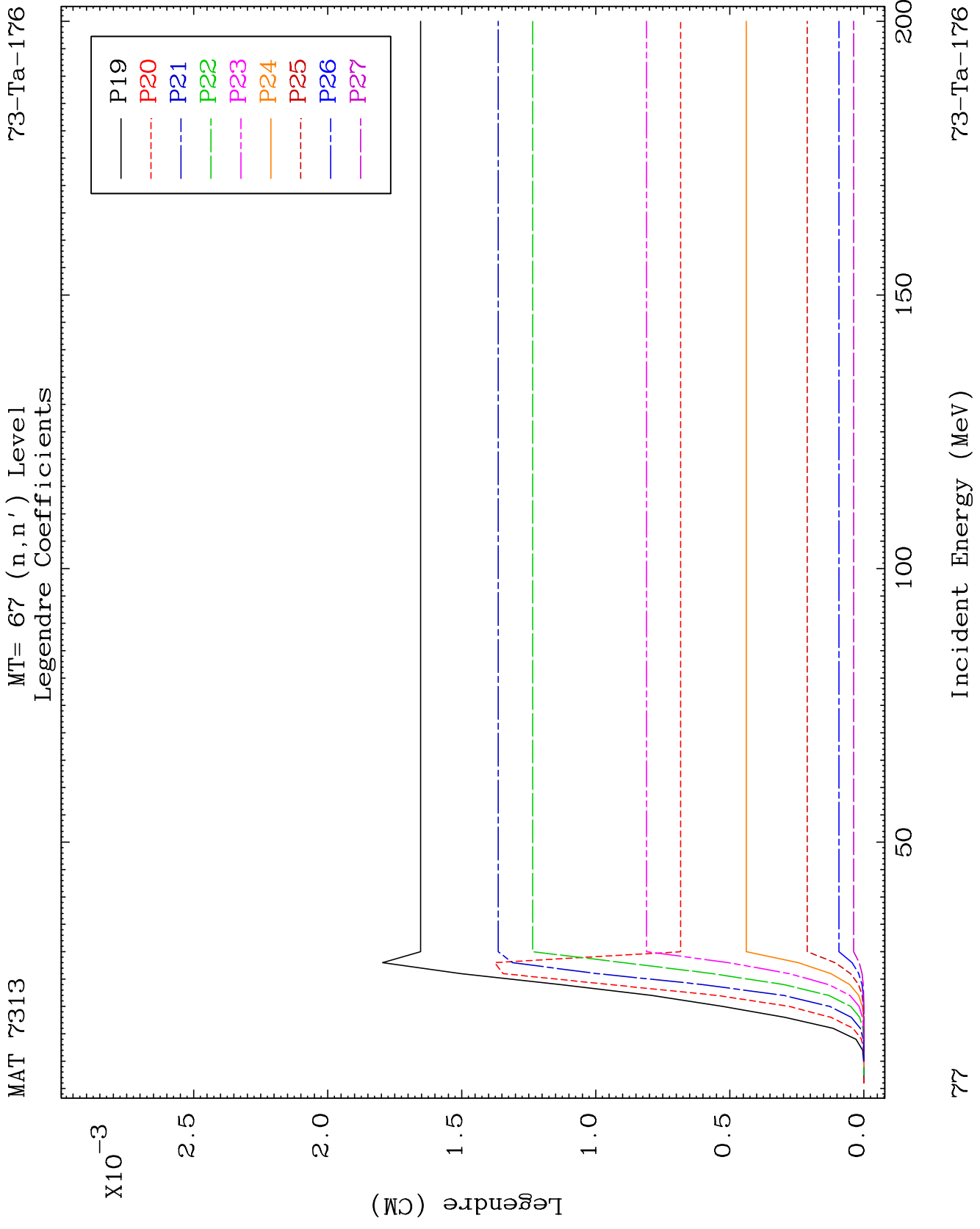
MAT 7313

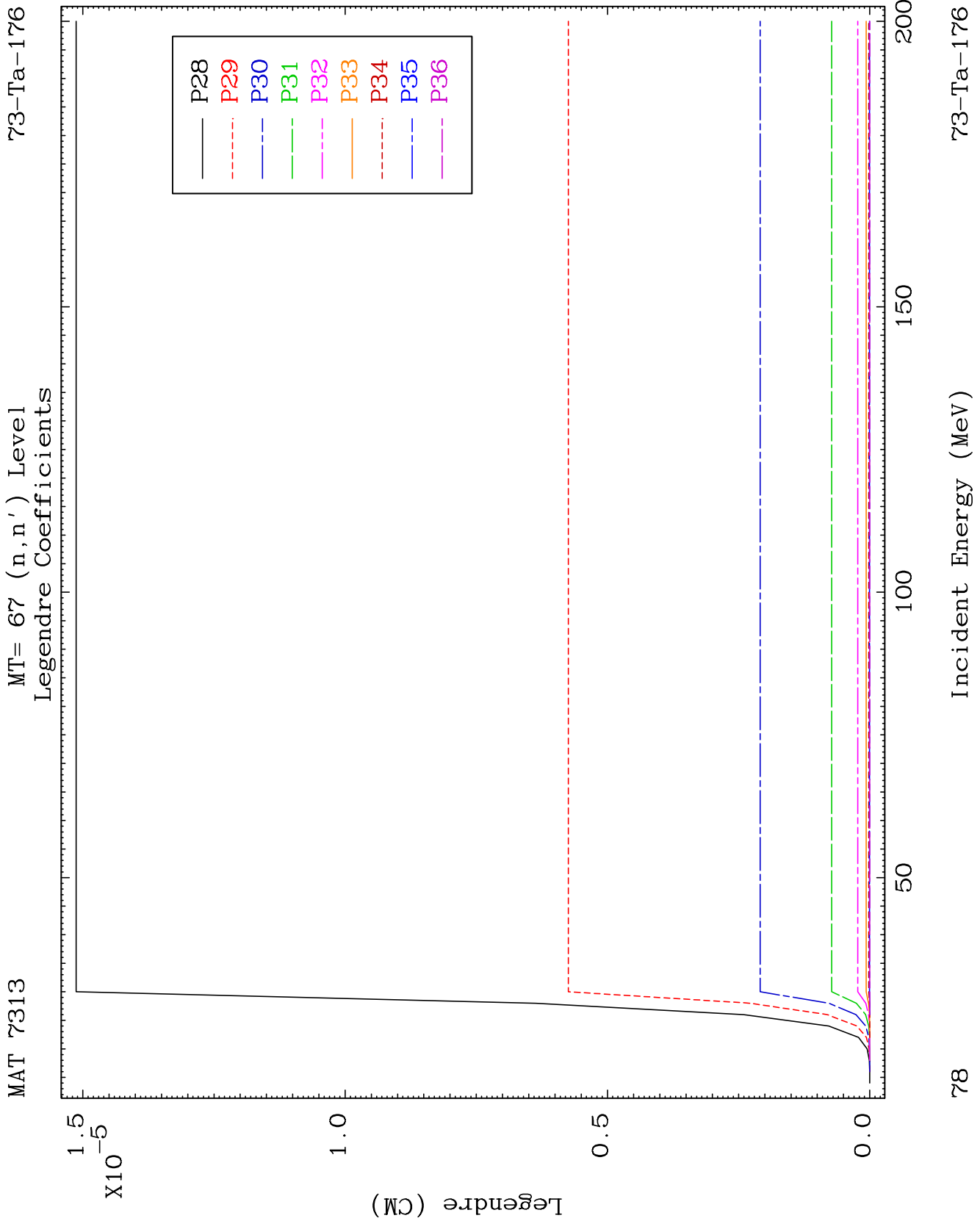
MT= 66 (n,n') Level
Legendre Coefficients

73-Ta-176





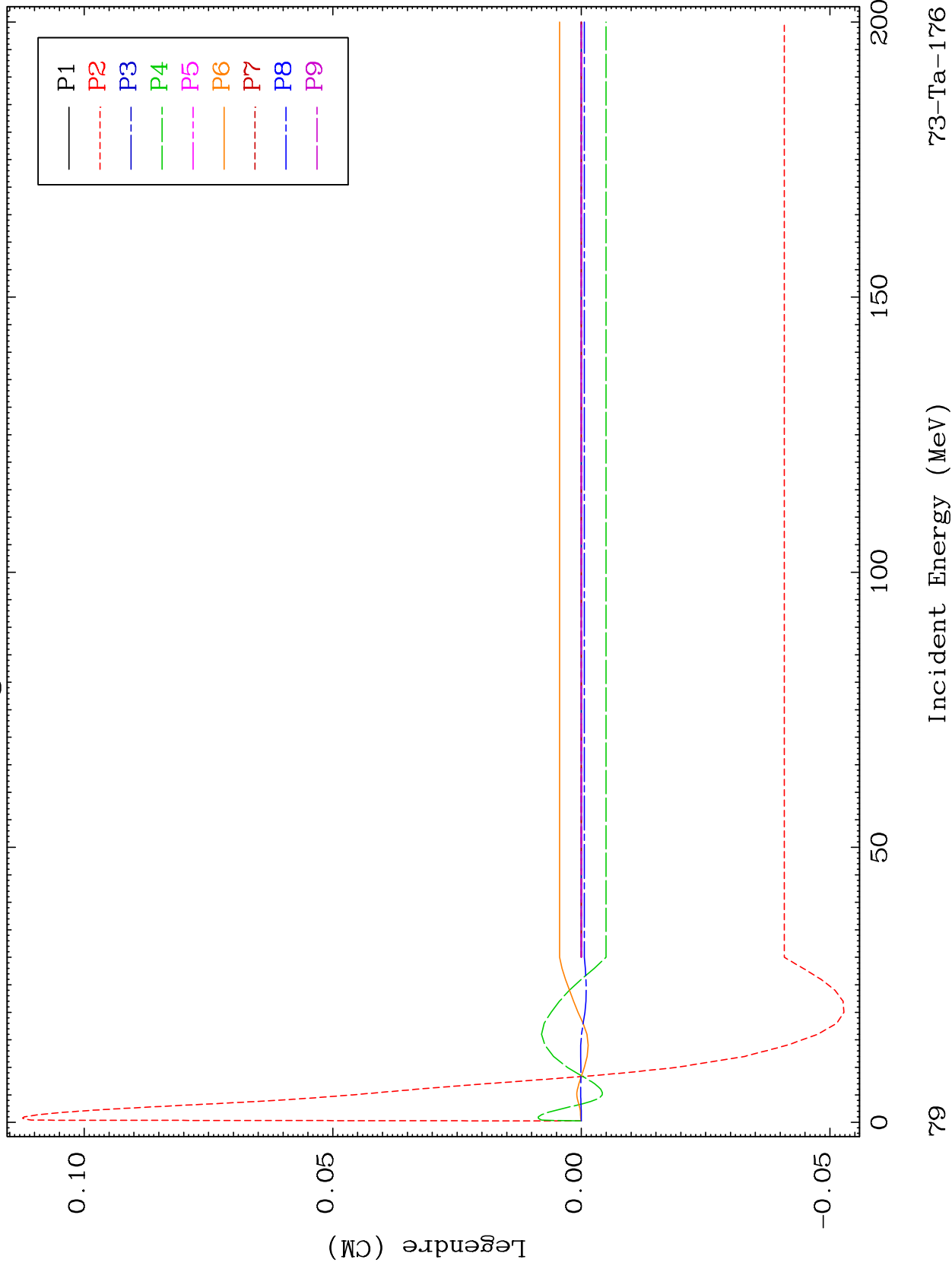




MAT 7313

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

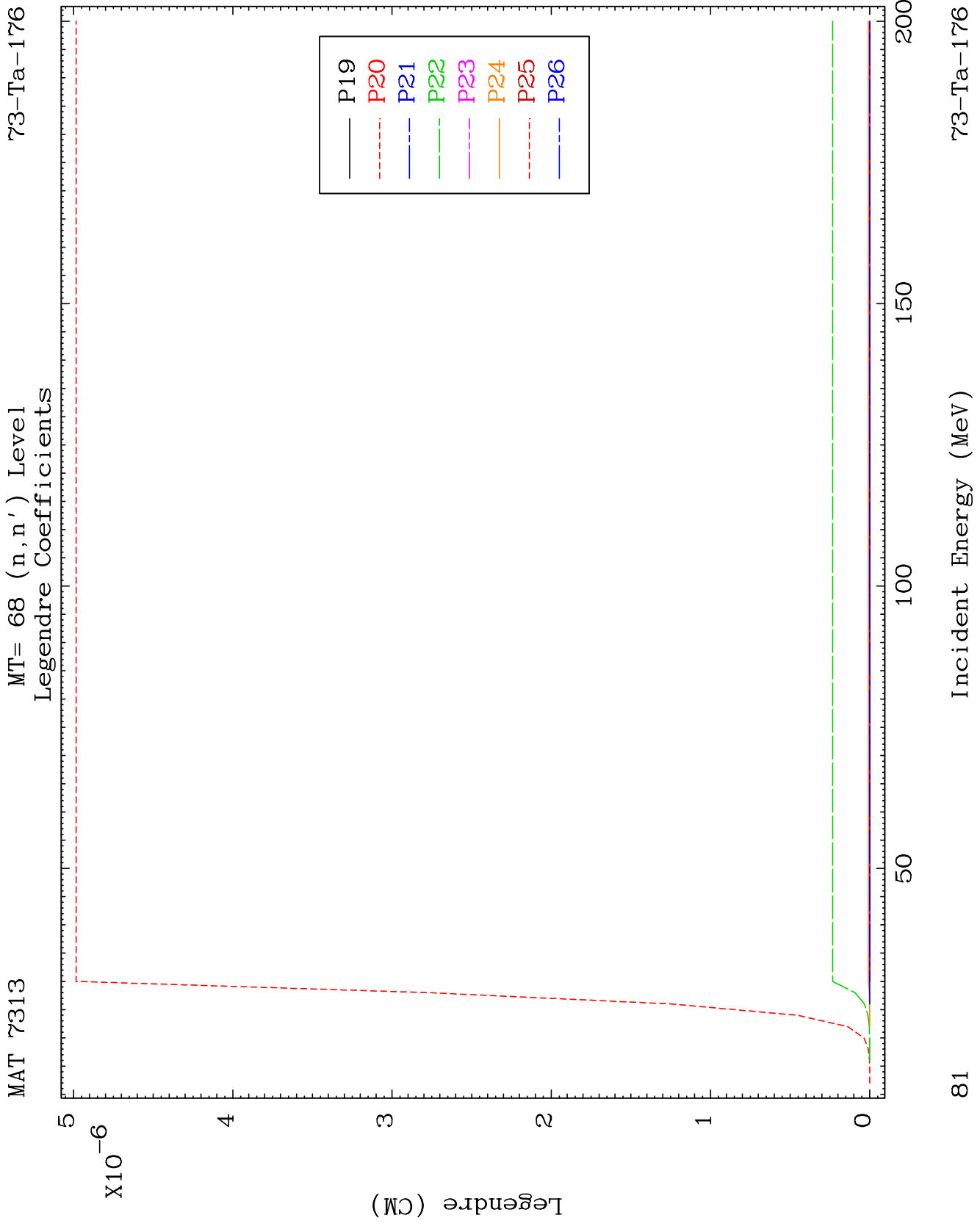
73-Ta-176



79

Incident Energy (MeV)

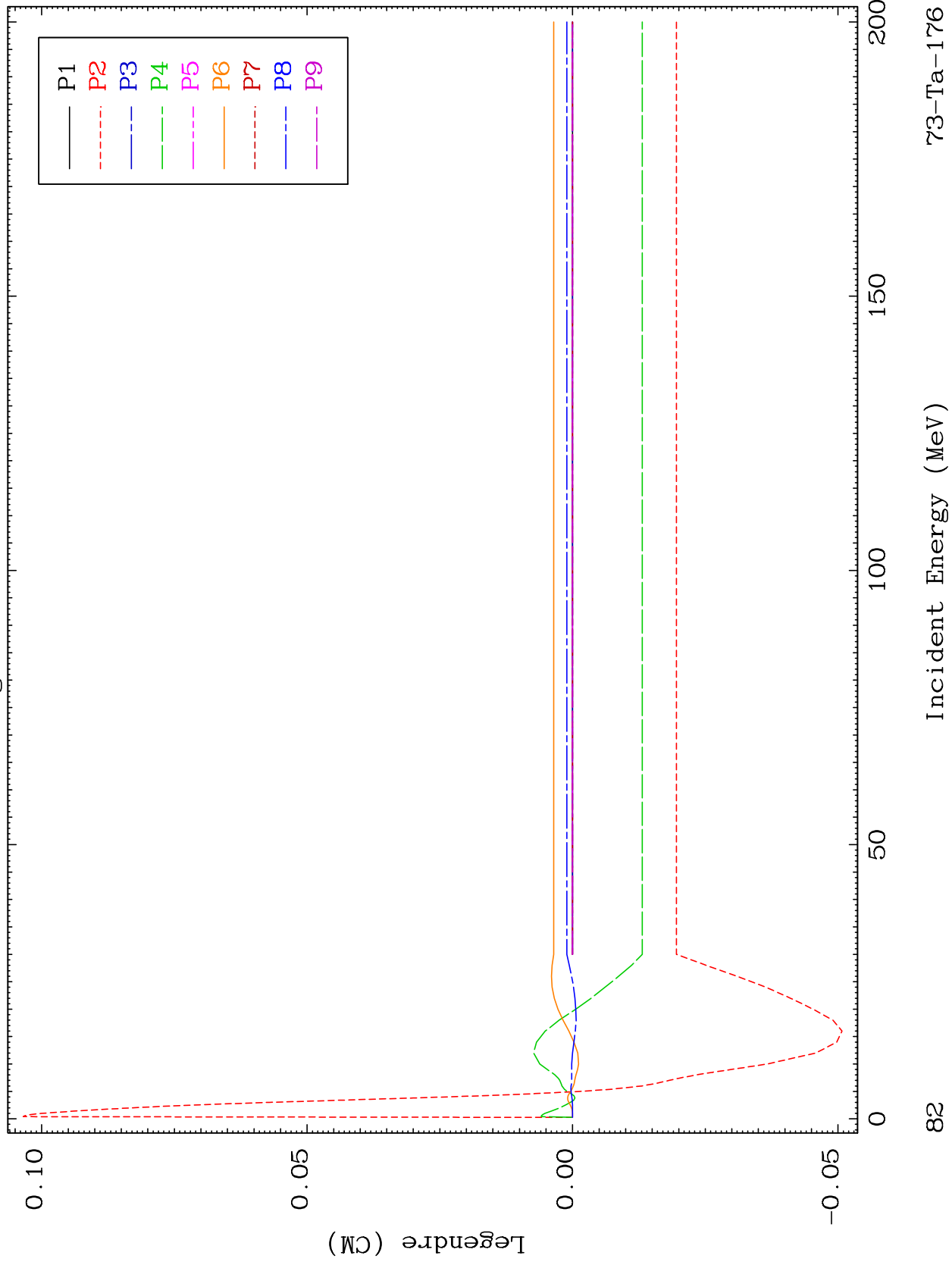
73-Ta-176



MAT 7313

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

73-Ta-176



73-Ta-176

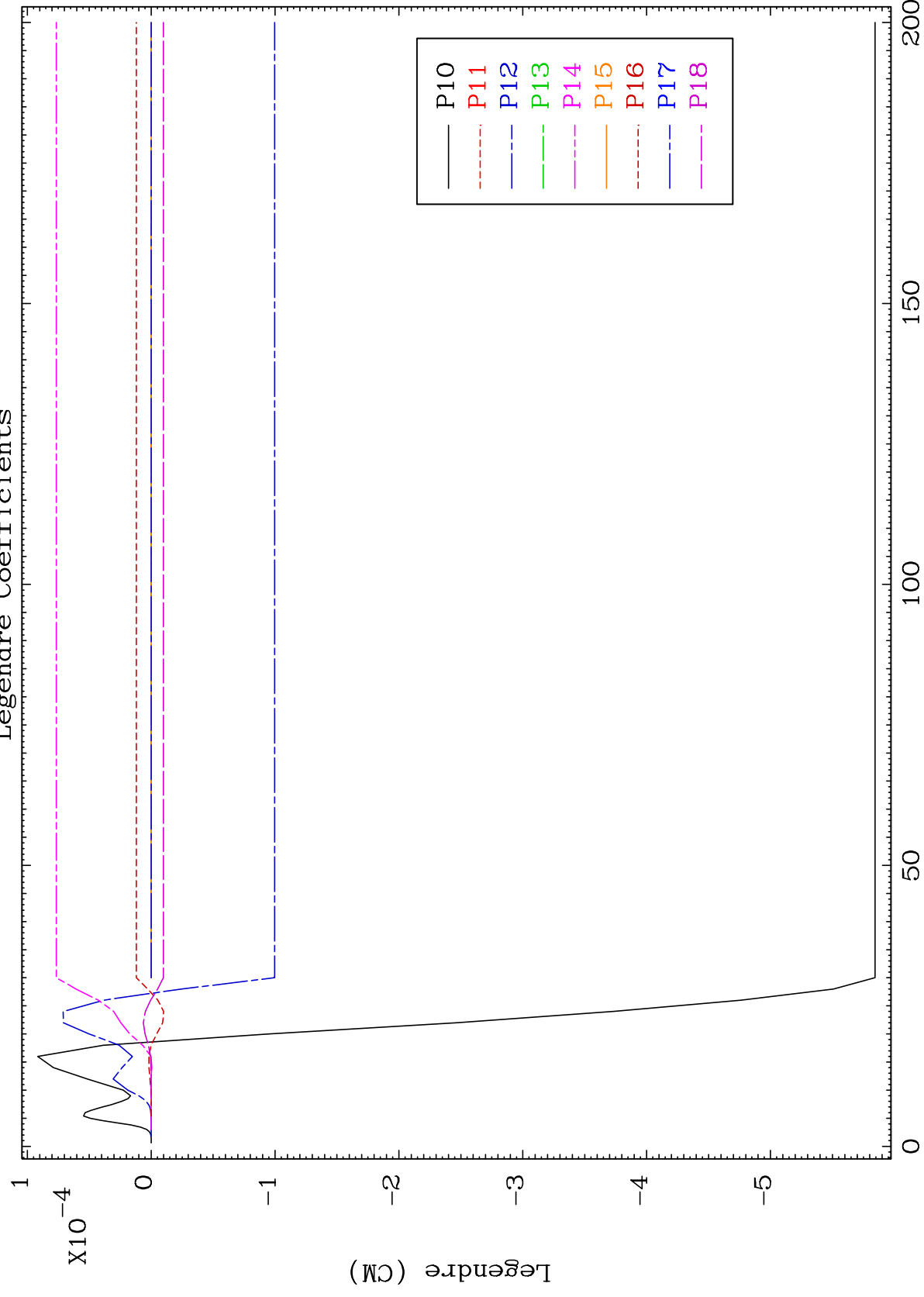
Incident Energy (MeV)

82

MAT 7313

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

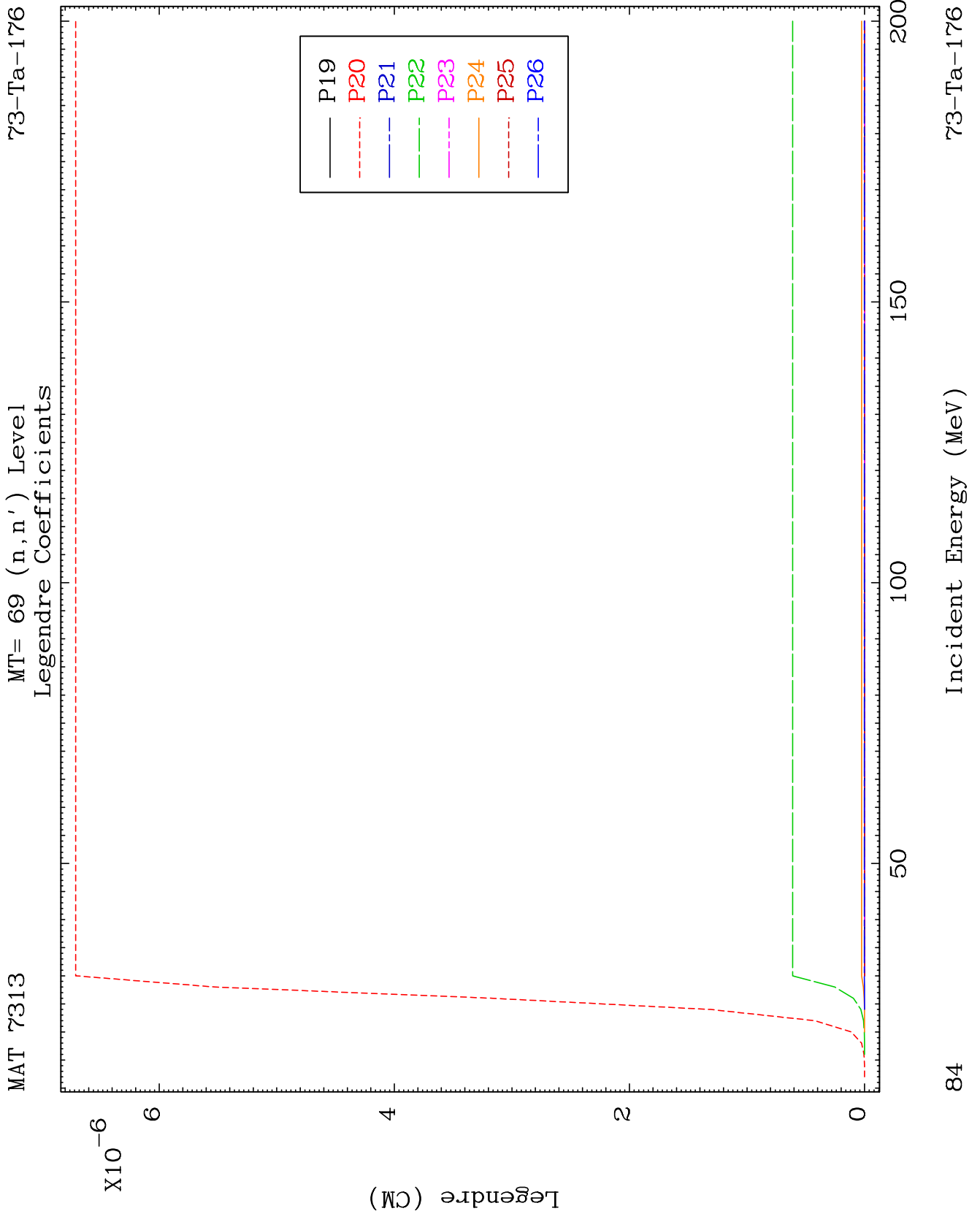
73-Ta-176



83

Incident Energy (MeV)

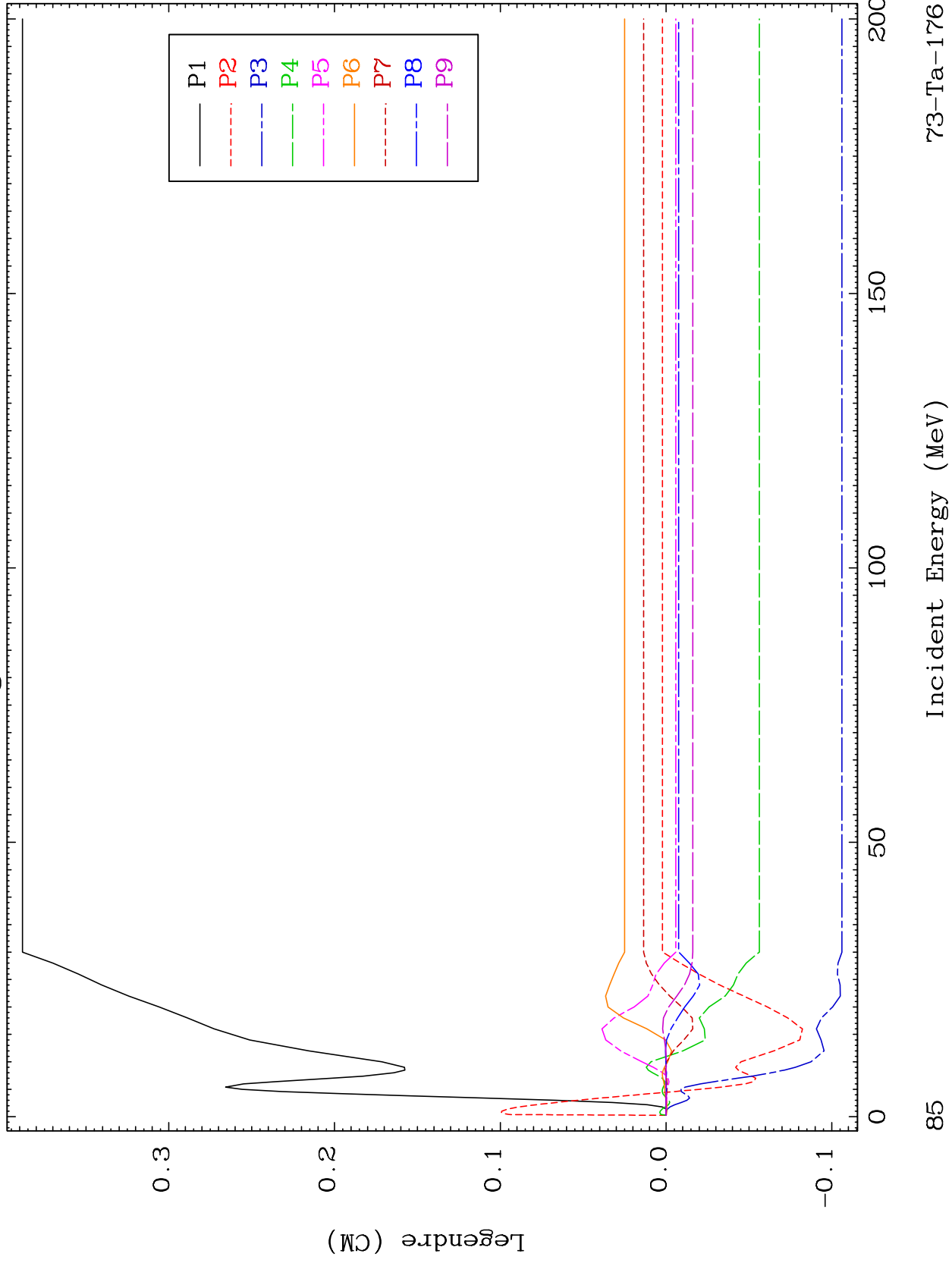
73-Ta-176



MAT 7313

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

73-Ta-176



73-Ta-176

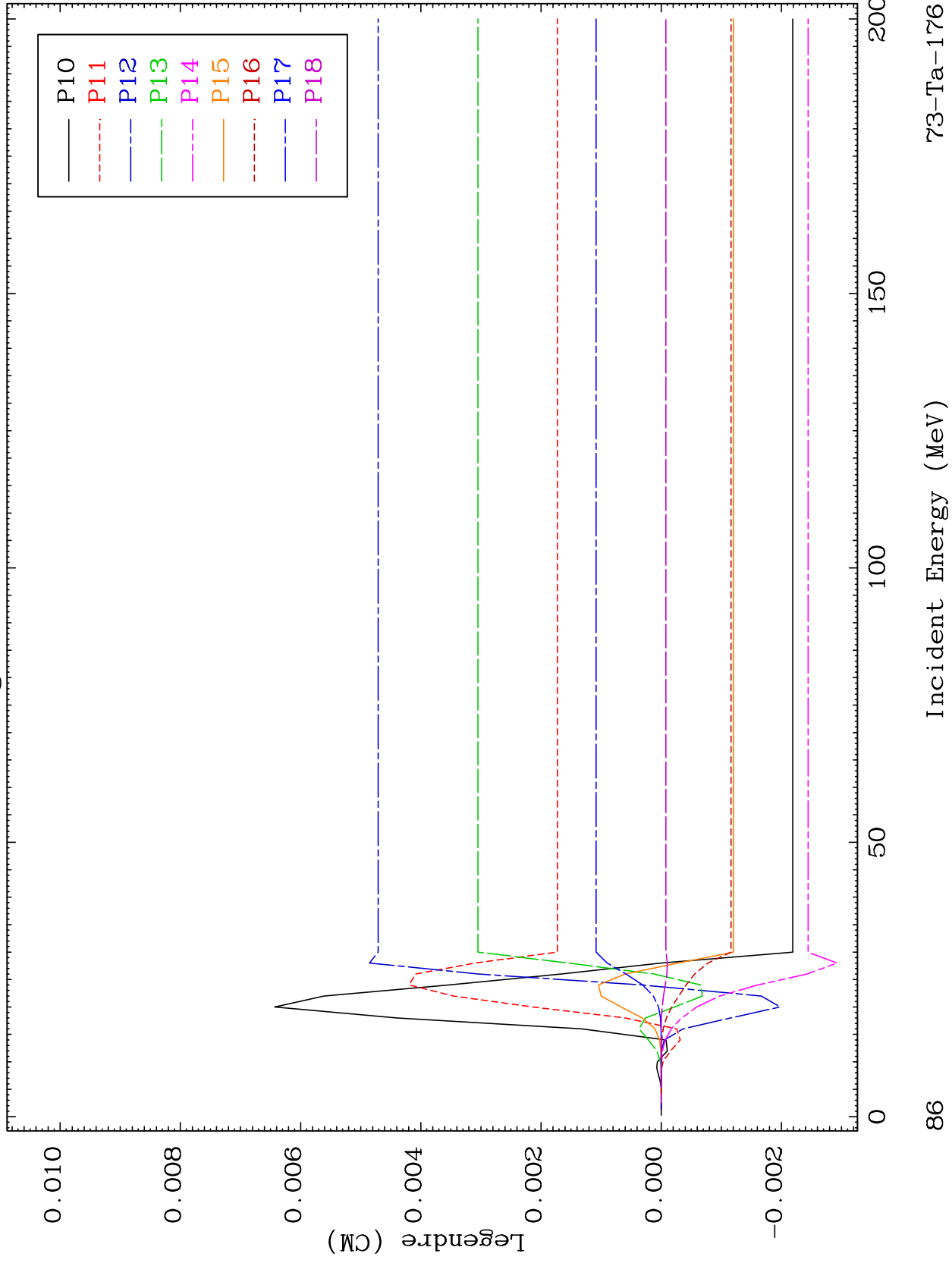
Incident Energy (MeV)

85

MAT 7313

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

73-Ta-176

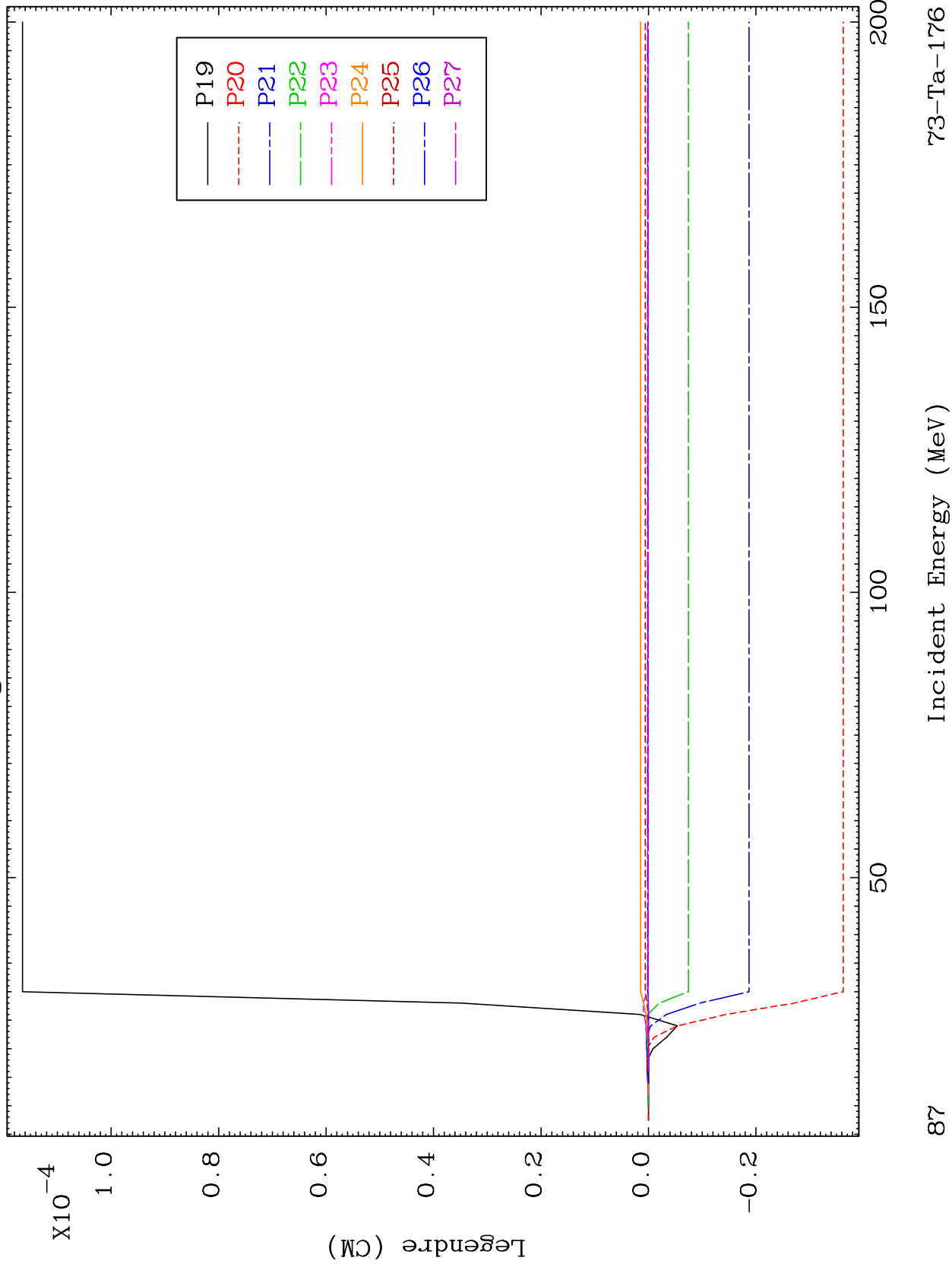


86

MAT 7313

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

73-Ta-176



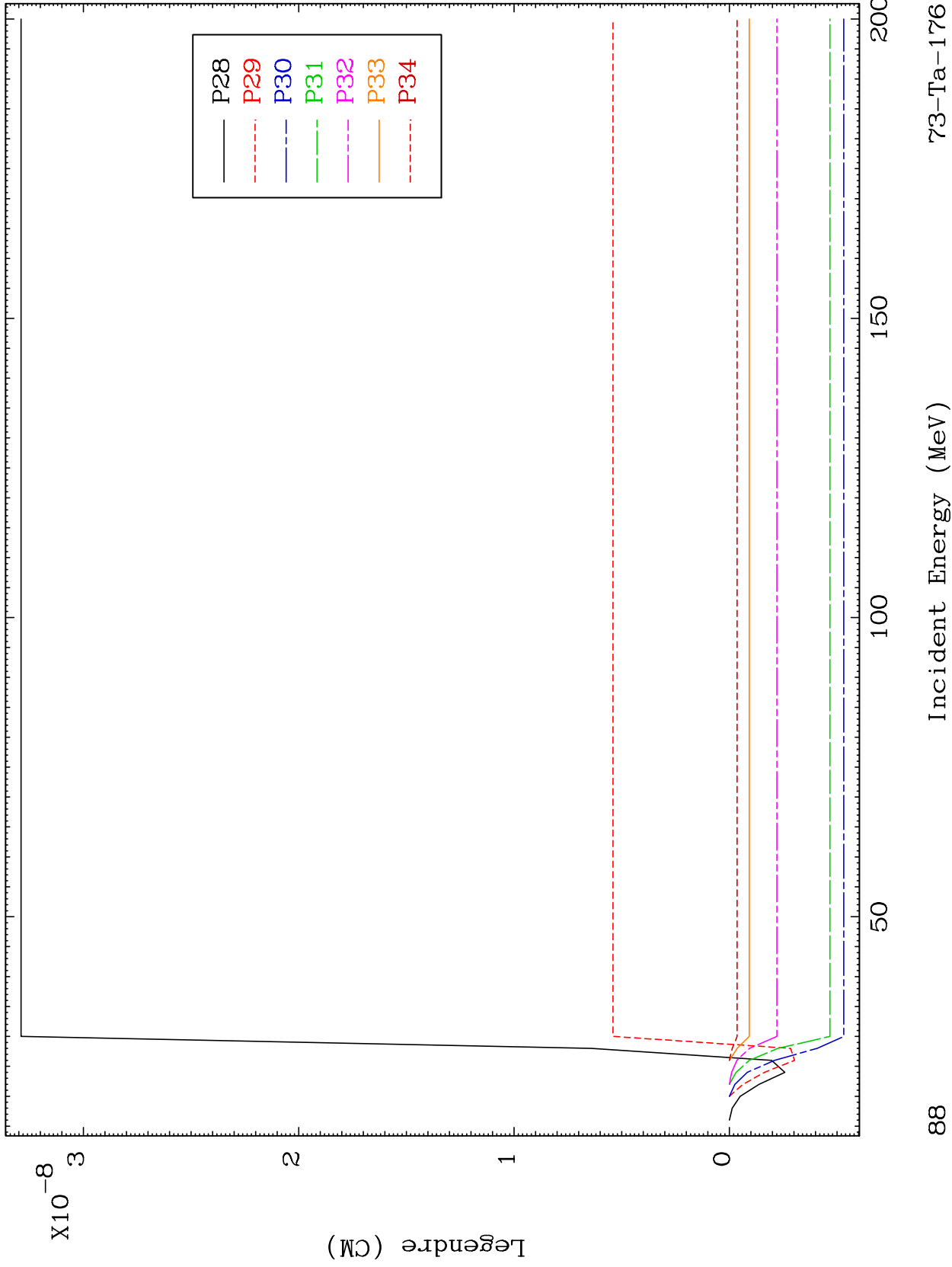
87

73-Ta-176

MAT 7313

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

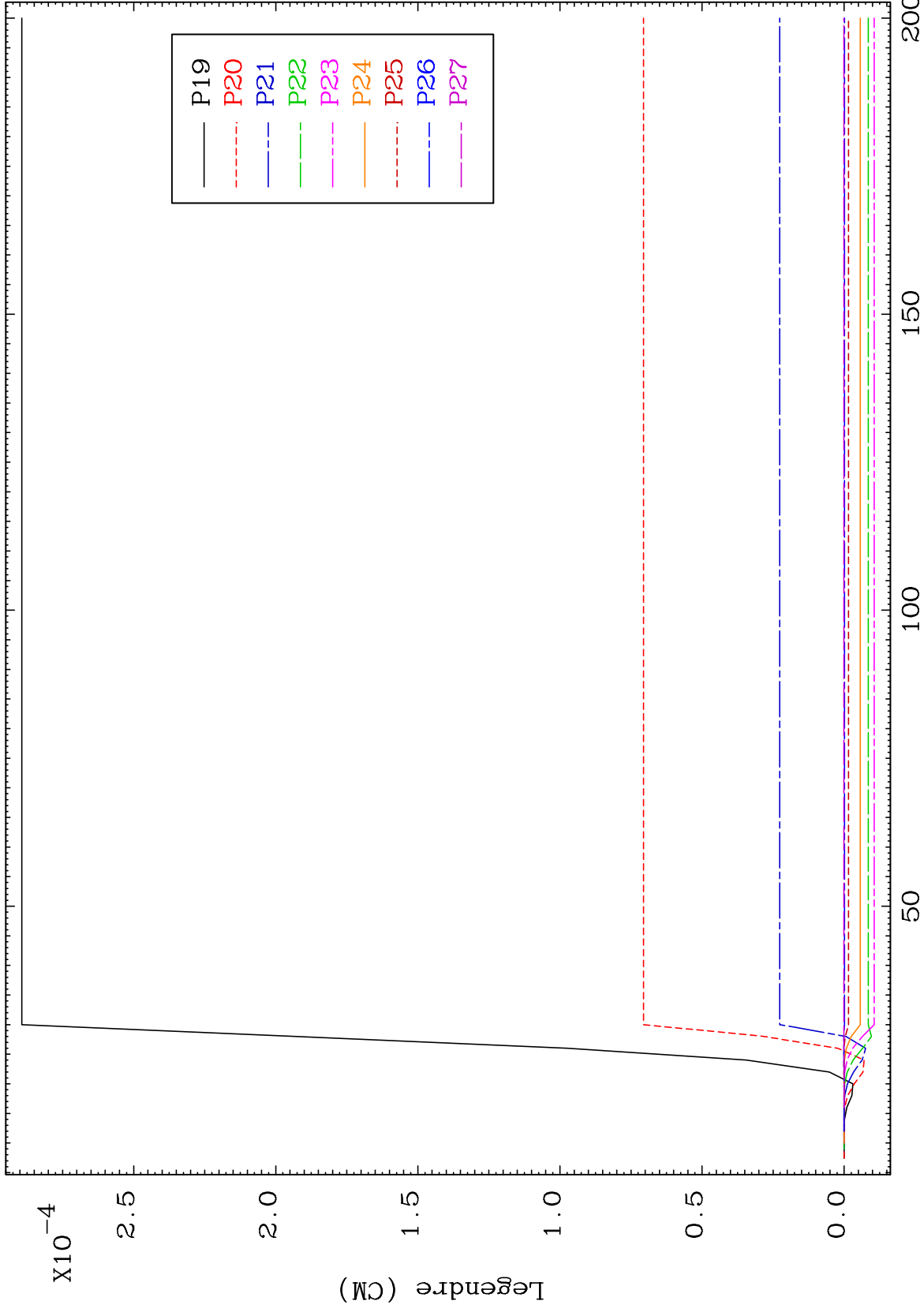
73-Ta-176



MAT 7313

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

73-Ta-176



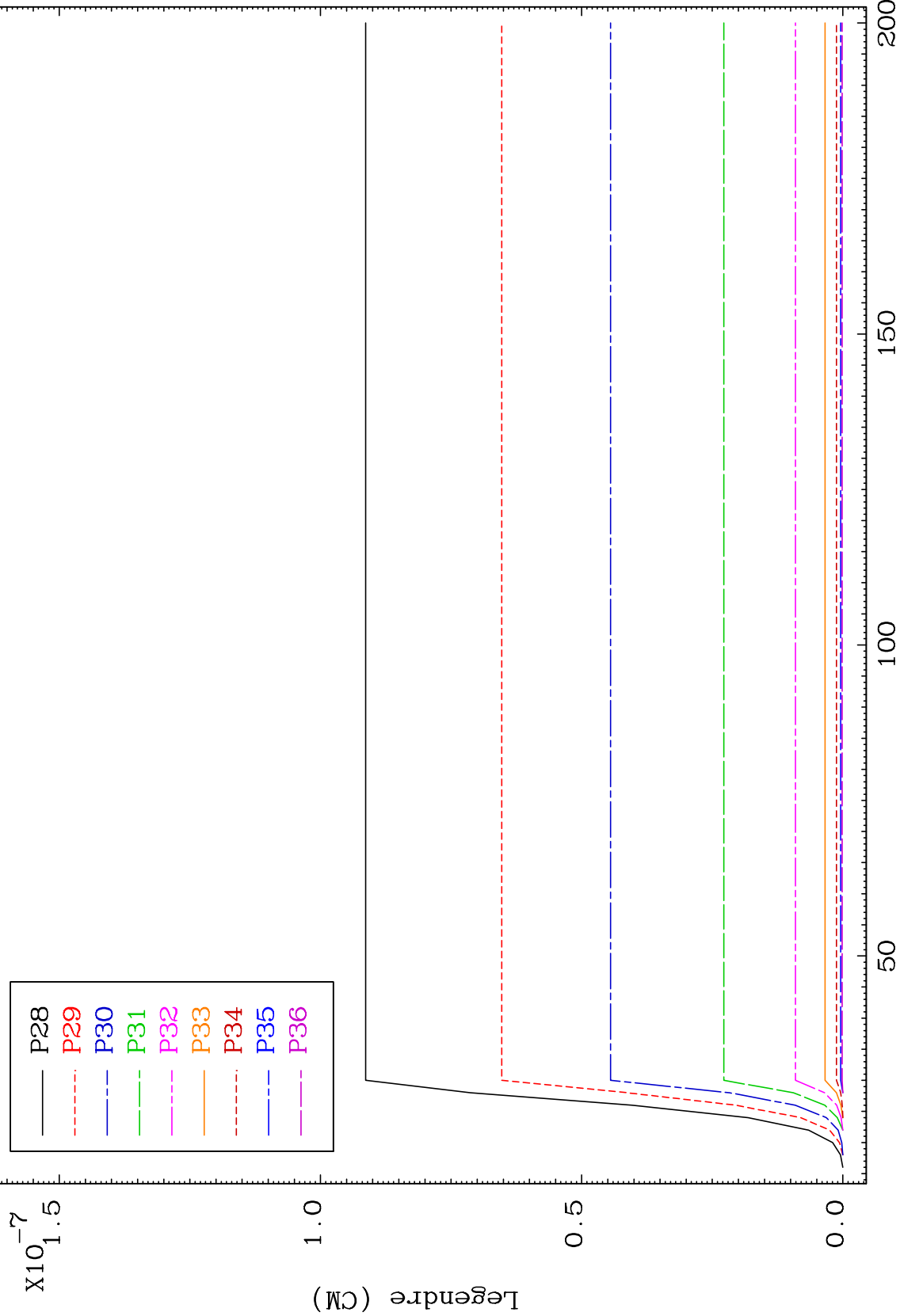
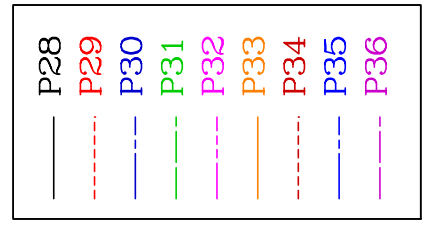
91

73-Ta-176

MAT 7313

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

73-Ta-176



92

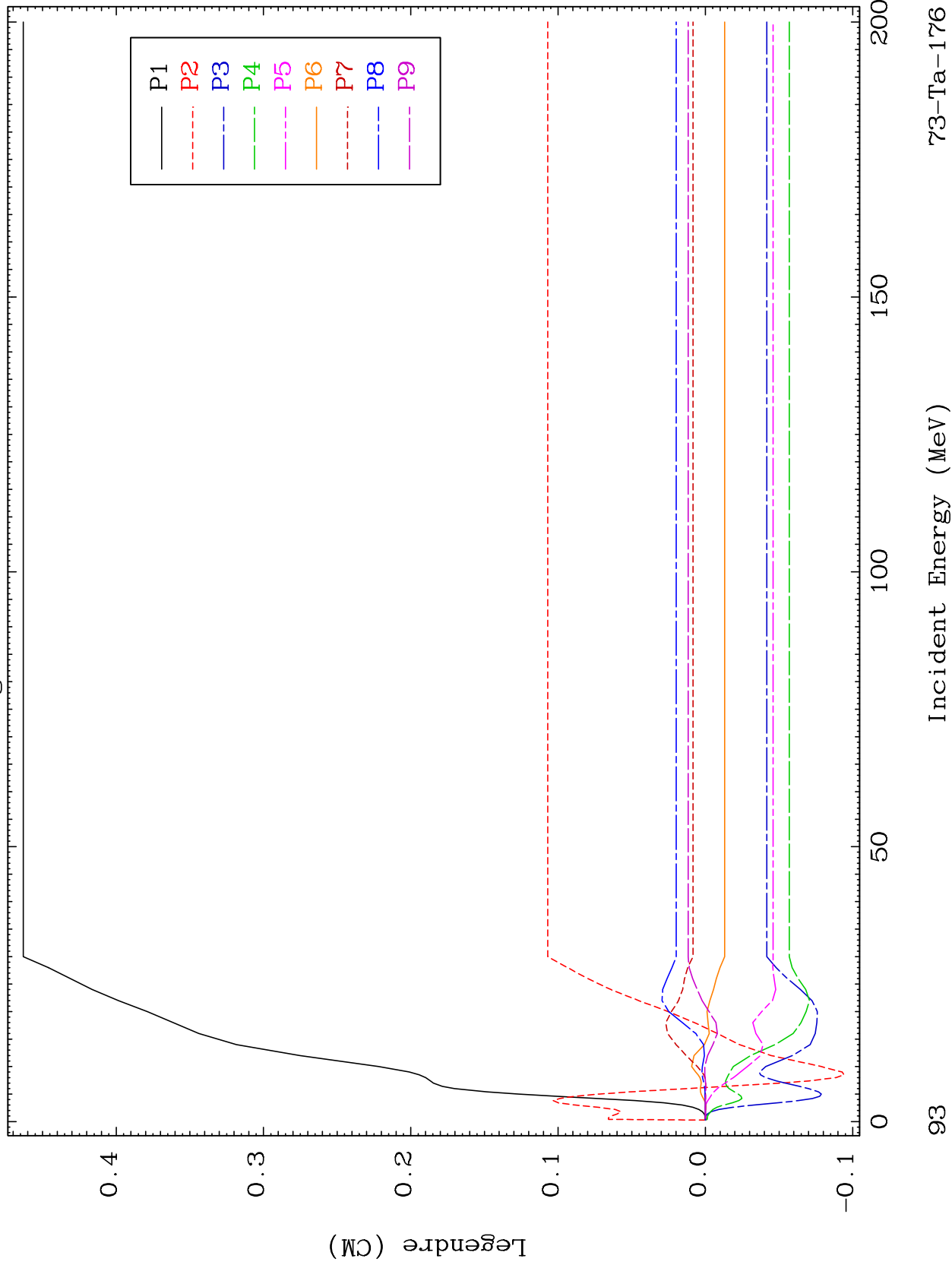
Incident Energy (MeV)

73-Ta-176

MAT 7313

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

73-Ta-176



73-Ta-176

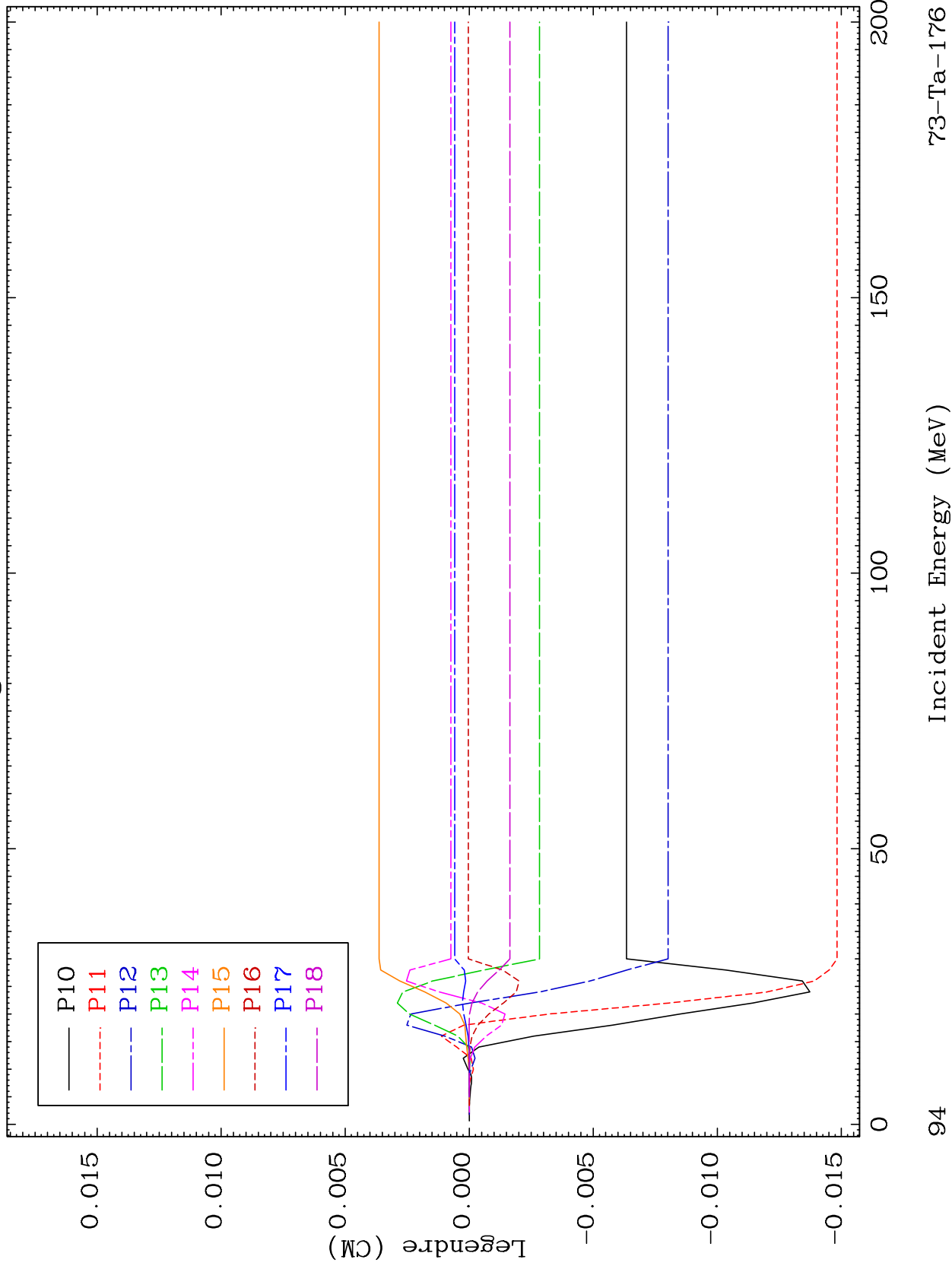
Incident Energy (MeV)

93

MAT 7313

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

73-Ta-176



94

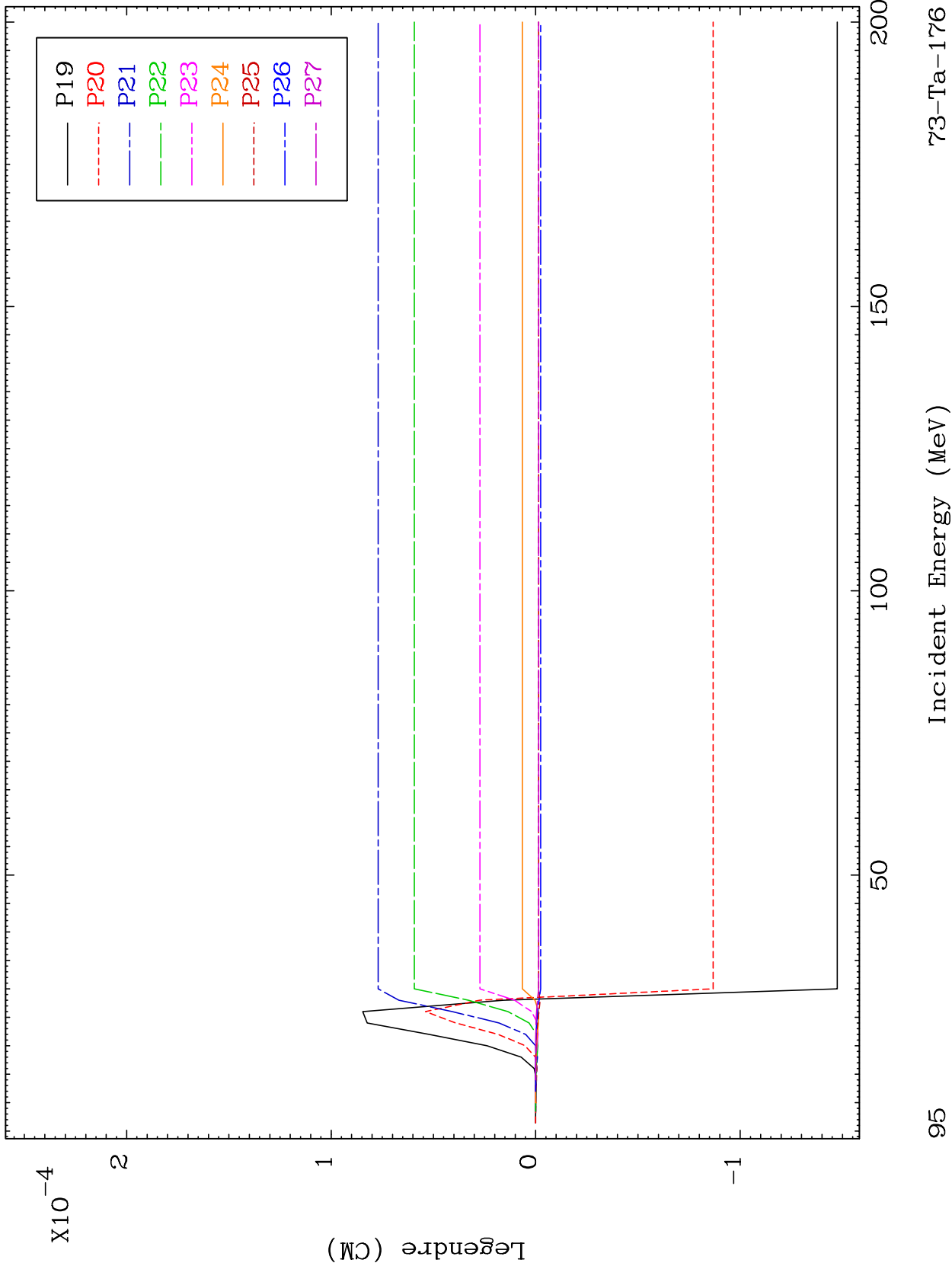
Incident Energy (MeV)

73-Ta-176

MAT 7313

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

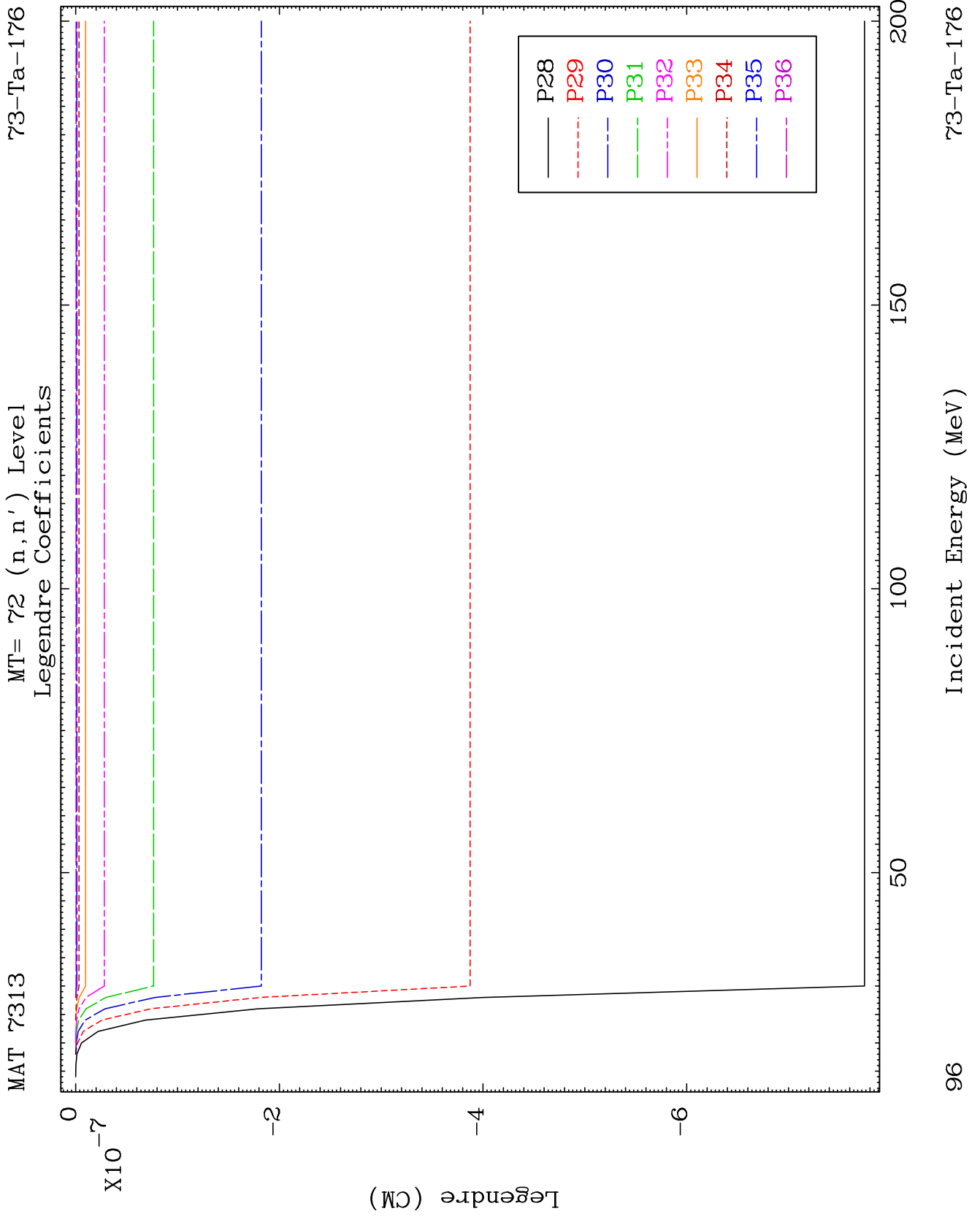
73-Ta-176



95

Incident Energy (MeV)

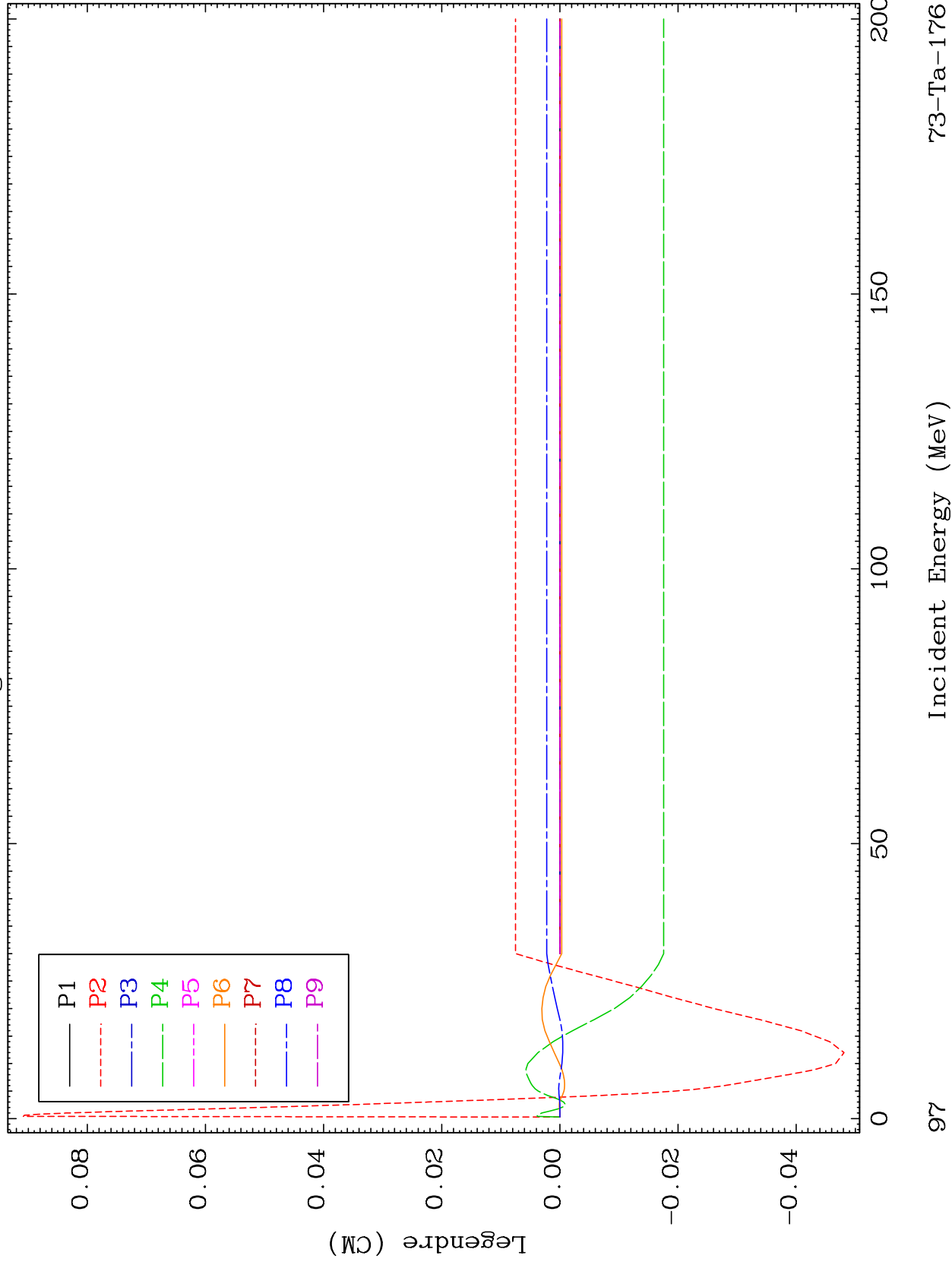
73-Ta-176



MAT 7313

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

73-Ta-176



97

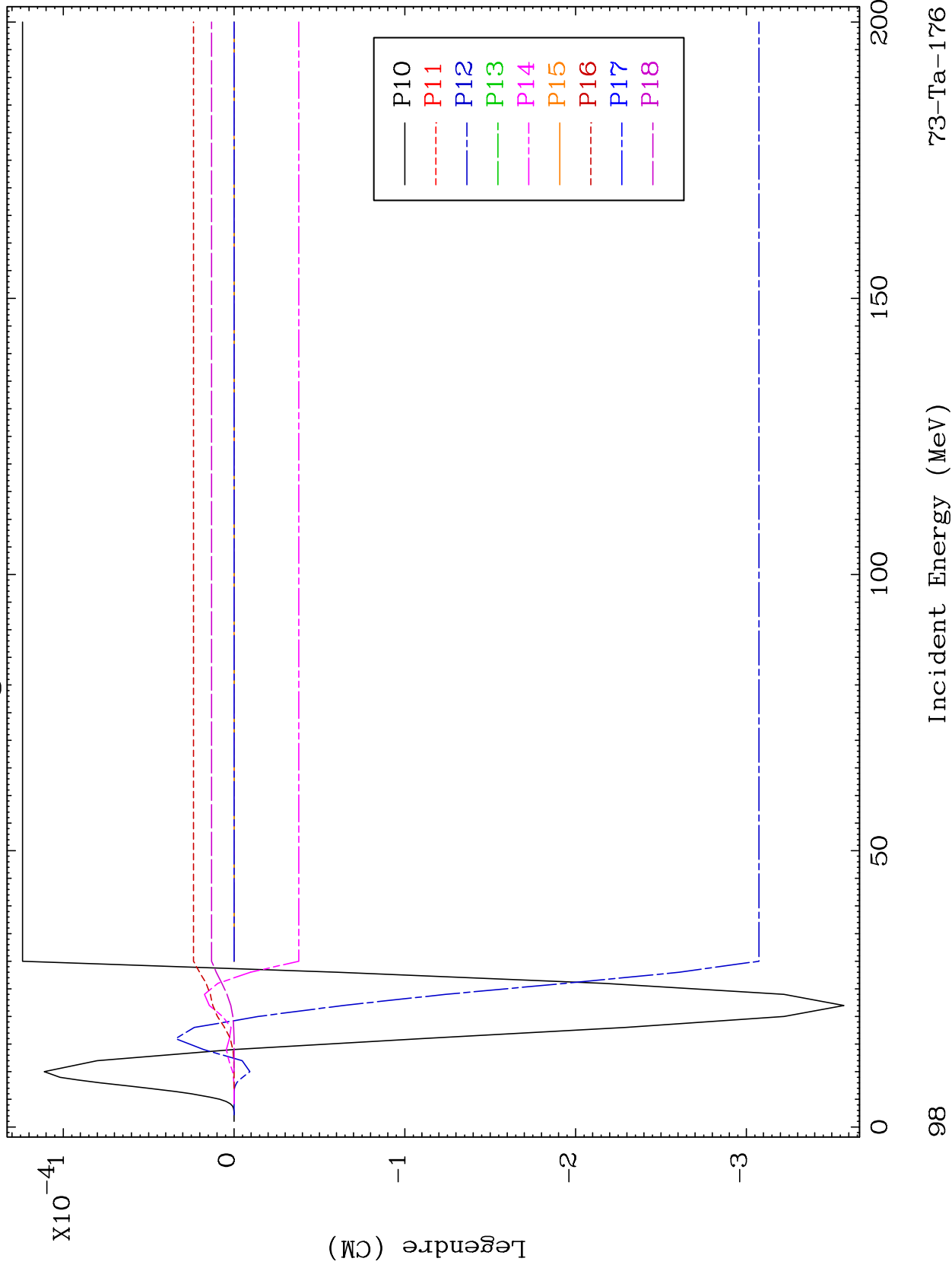
Incident Energy (MeV)

73-Ta-176

MAT 7313

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

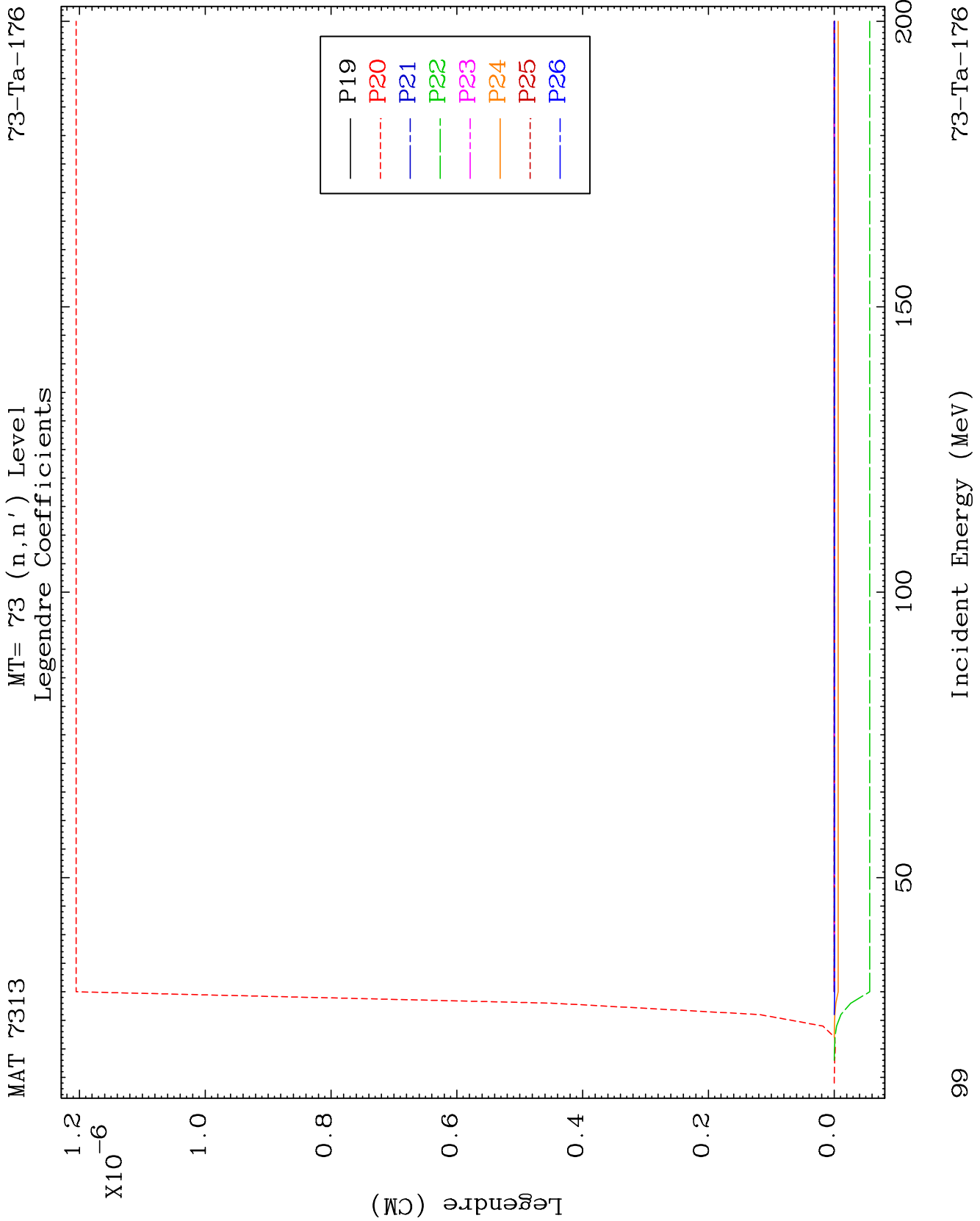
73-Ta-176

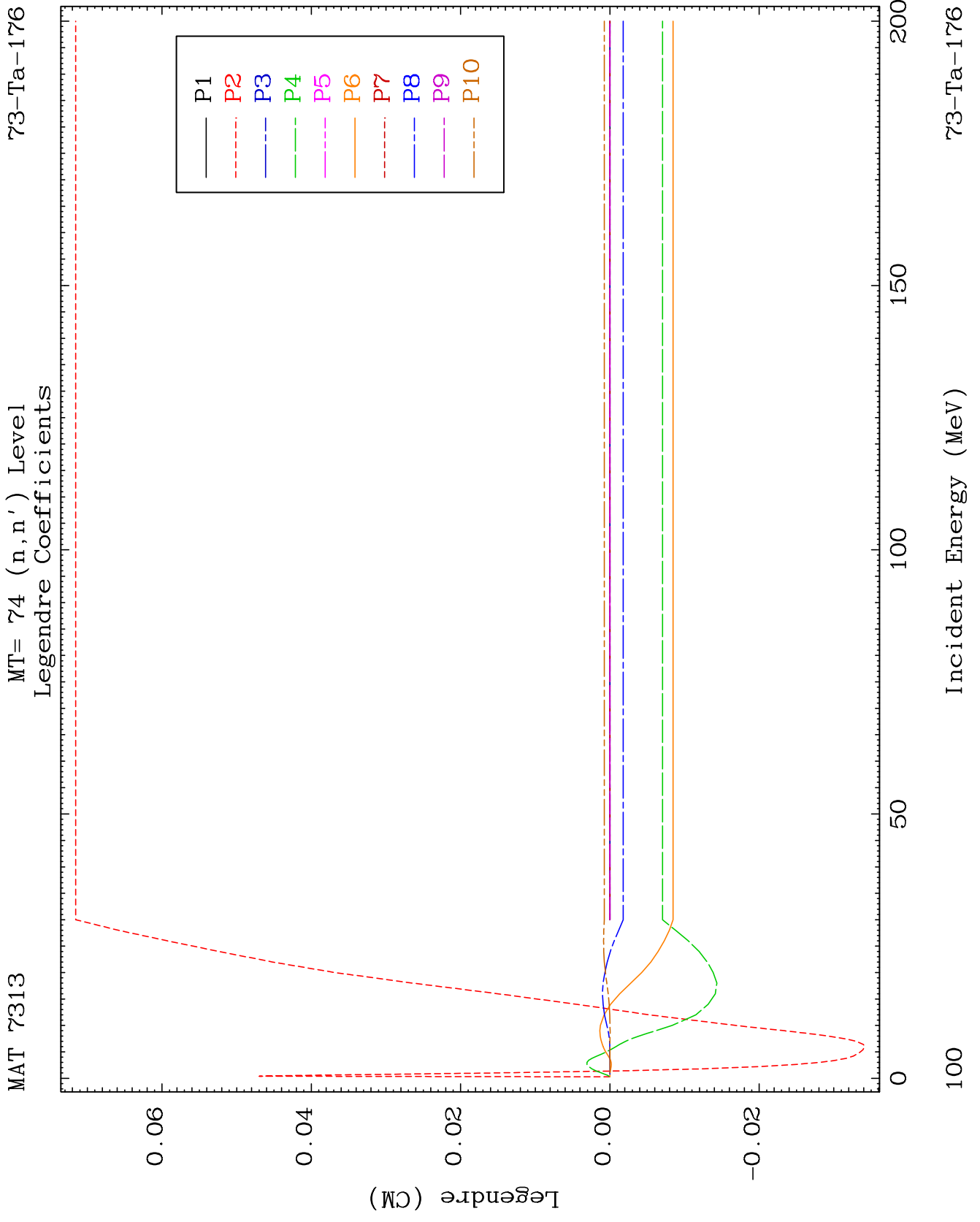


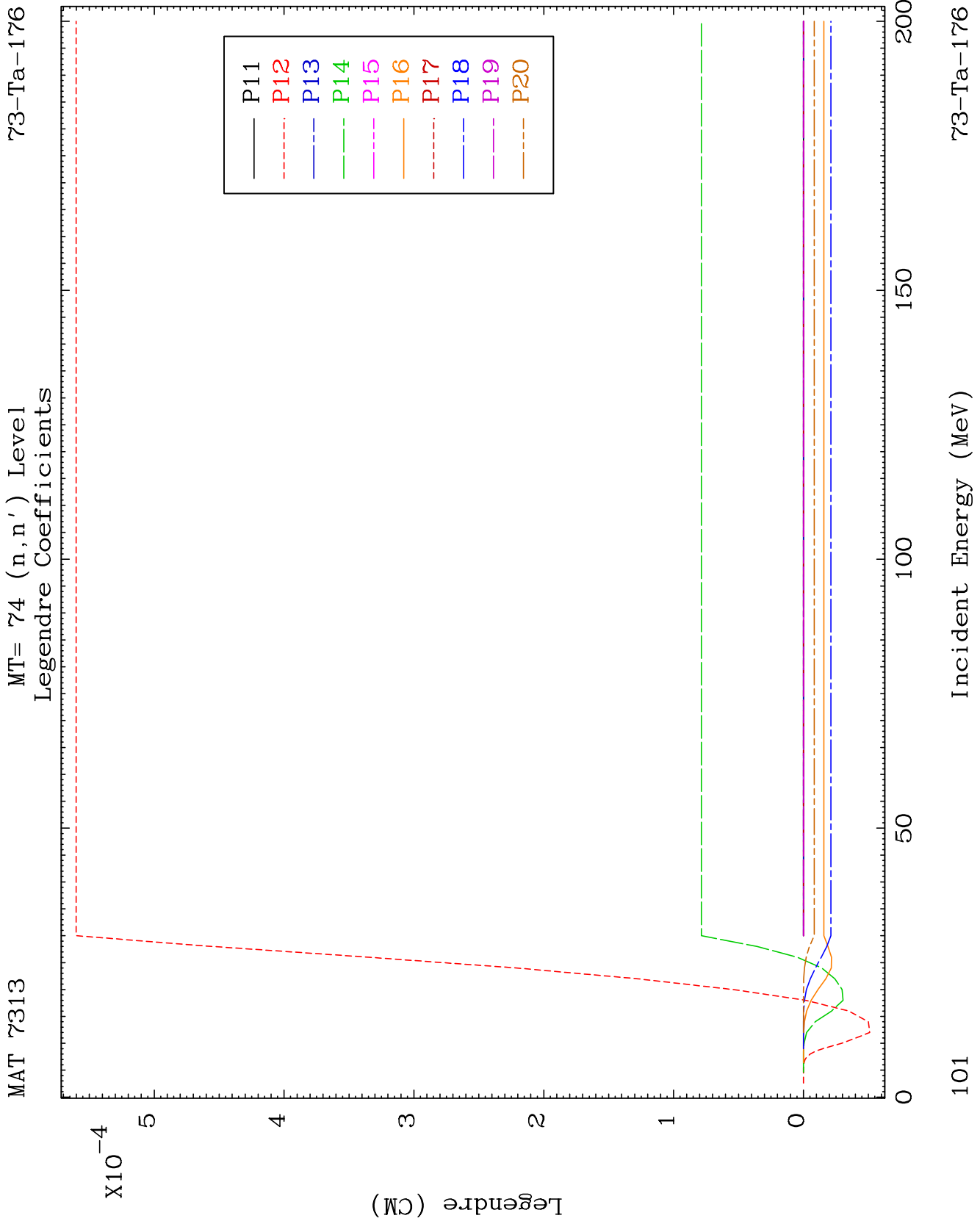
98

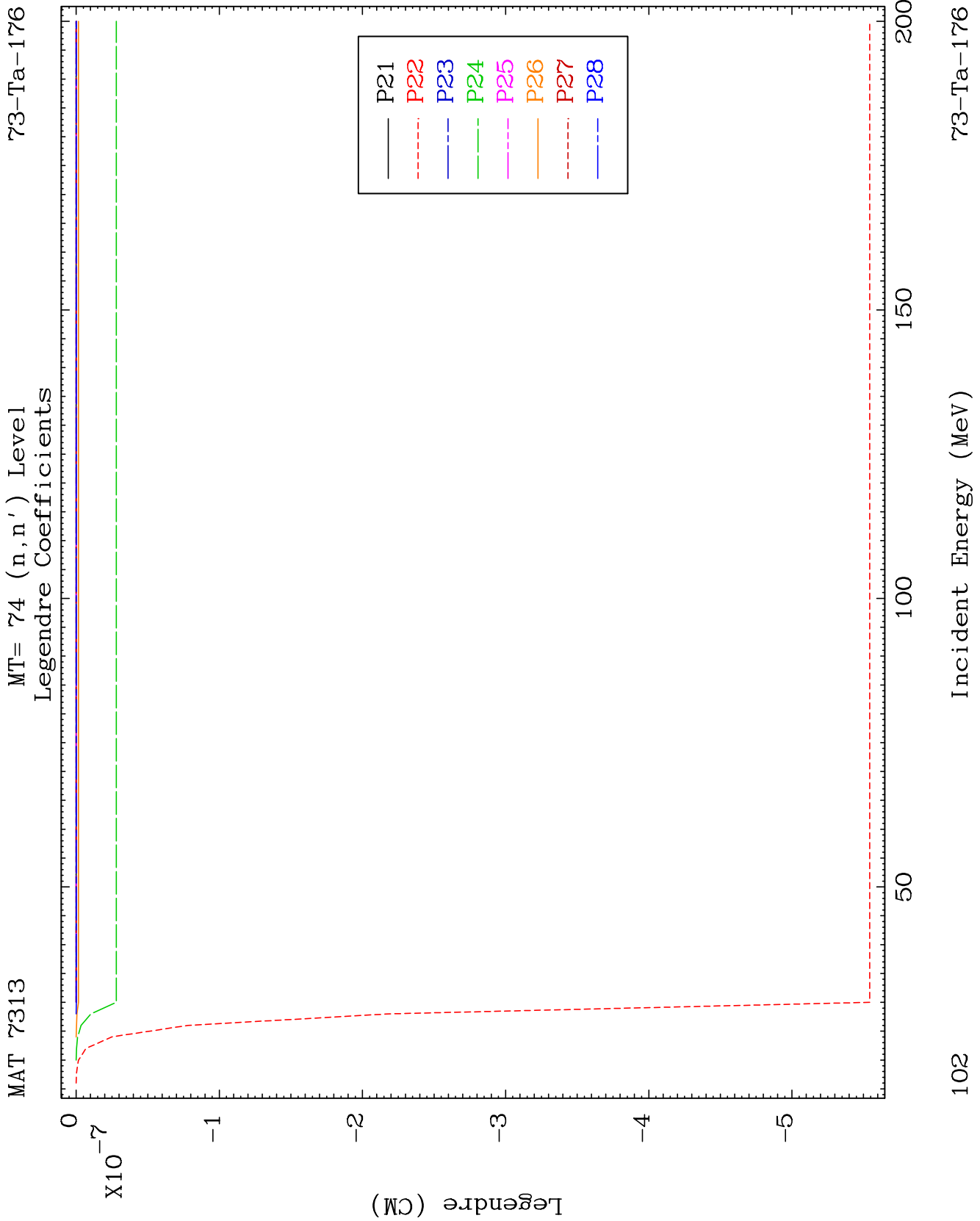
Incident Energy (MeV)

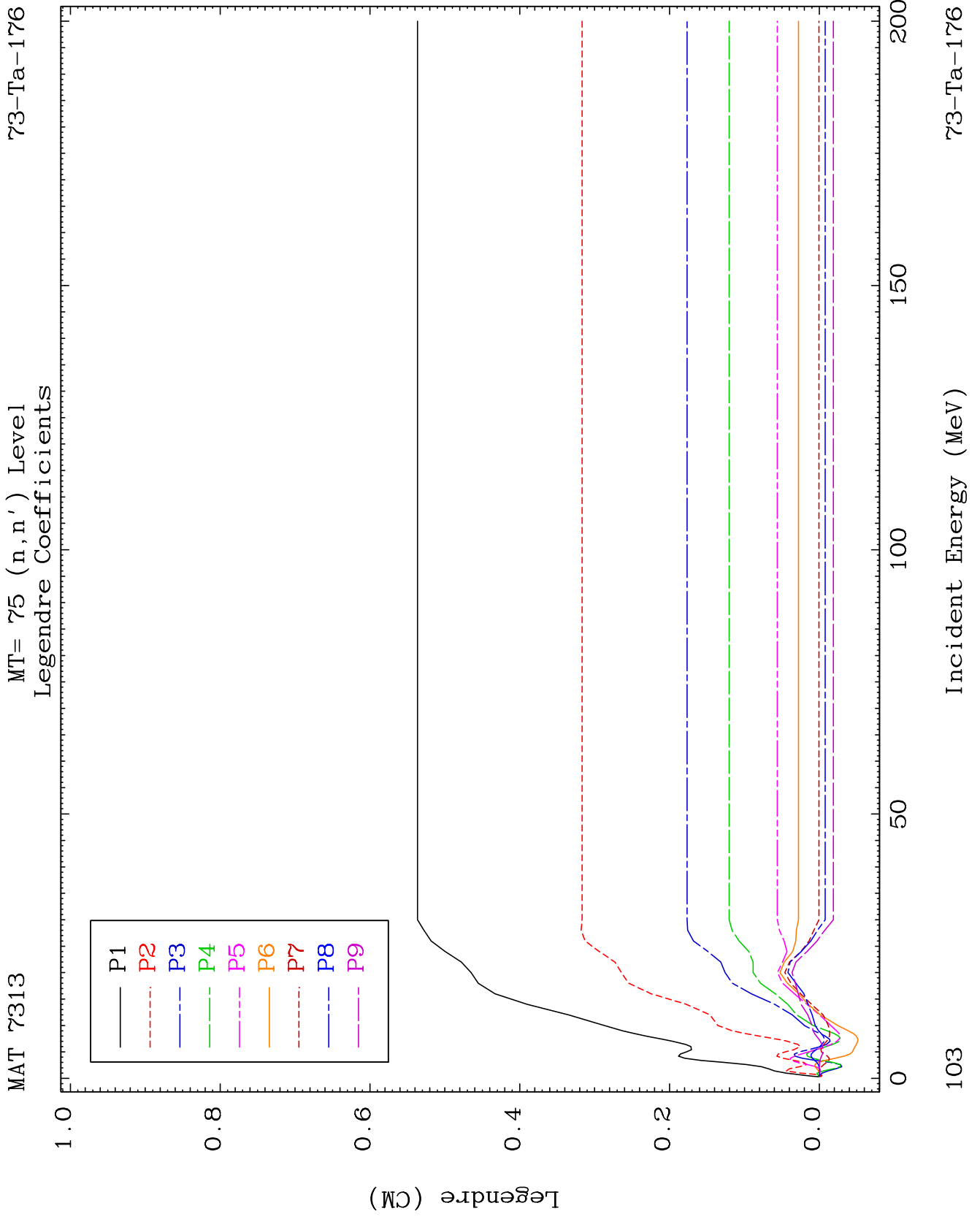
73-Ta-176

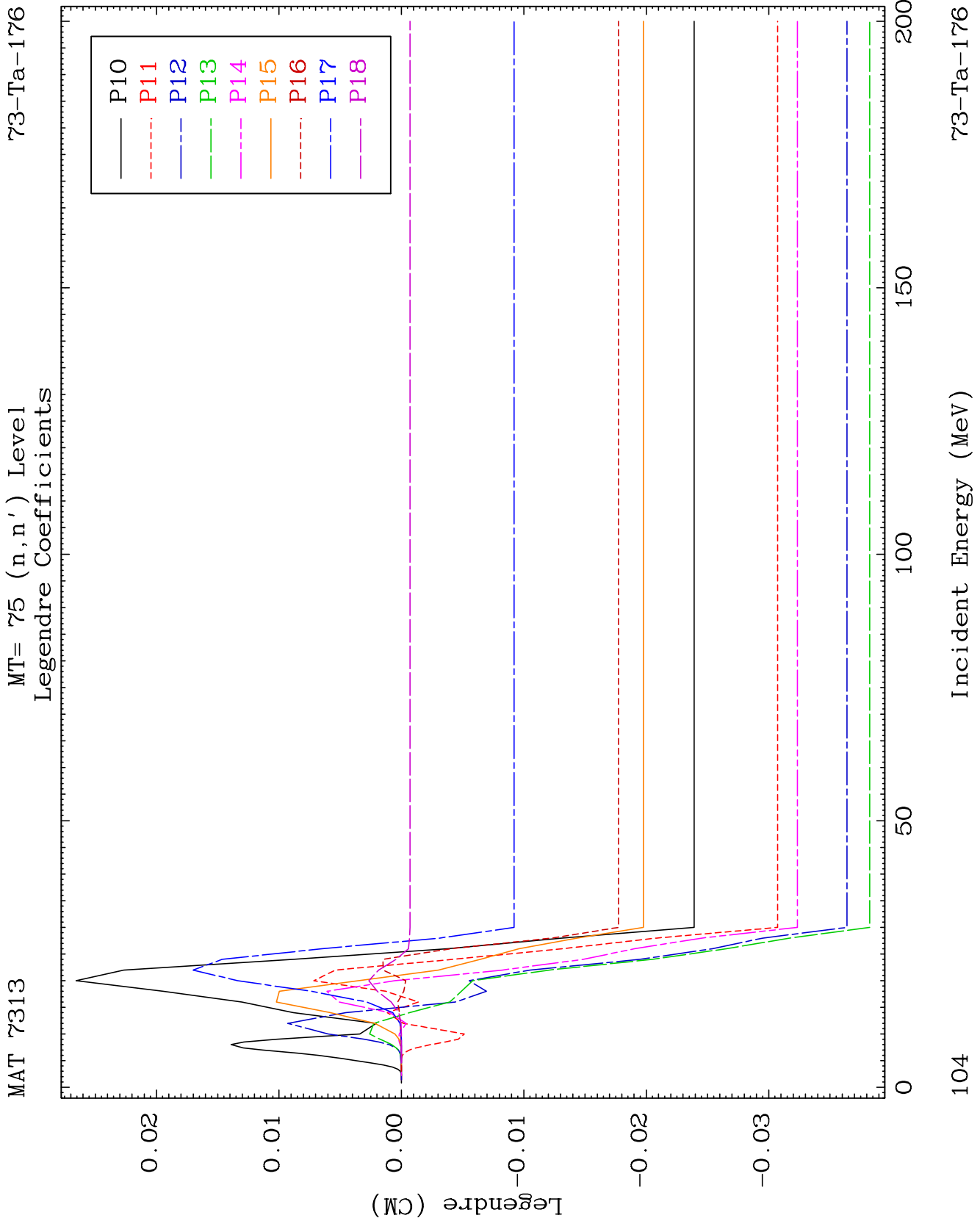








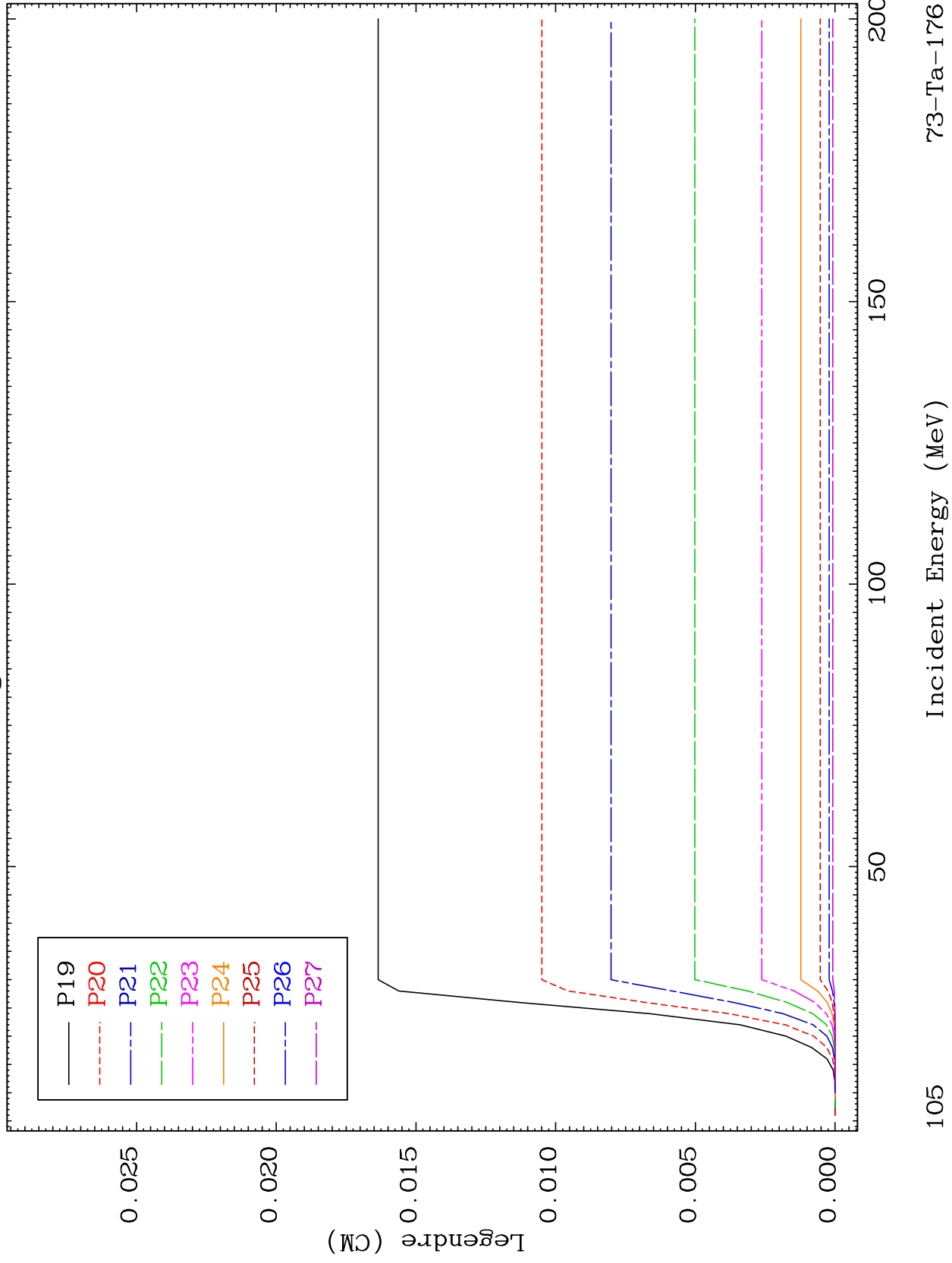




MAT 7313

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

73-Ta-176



73-Ta-176

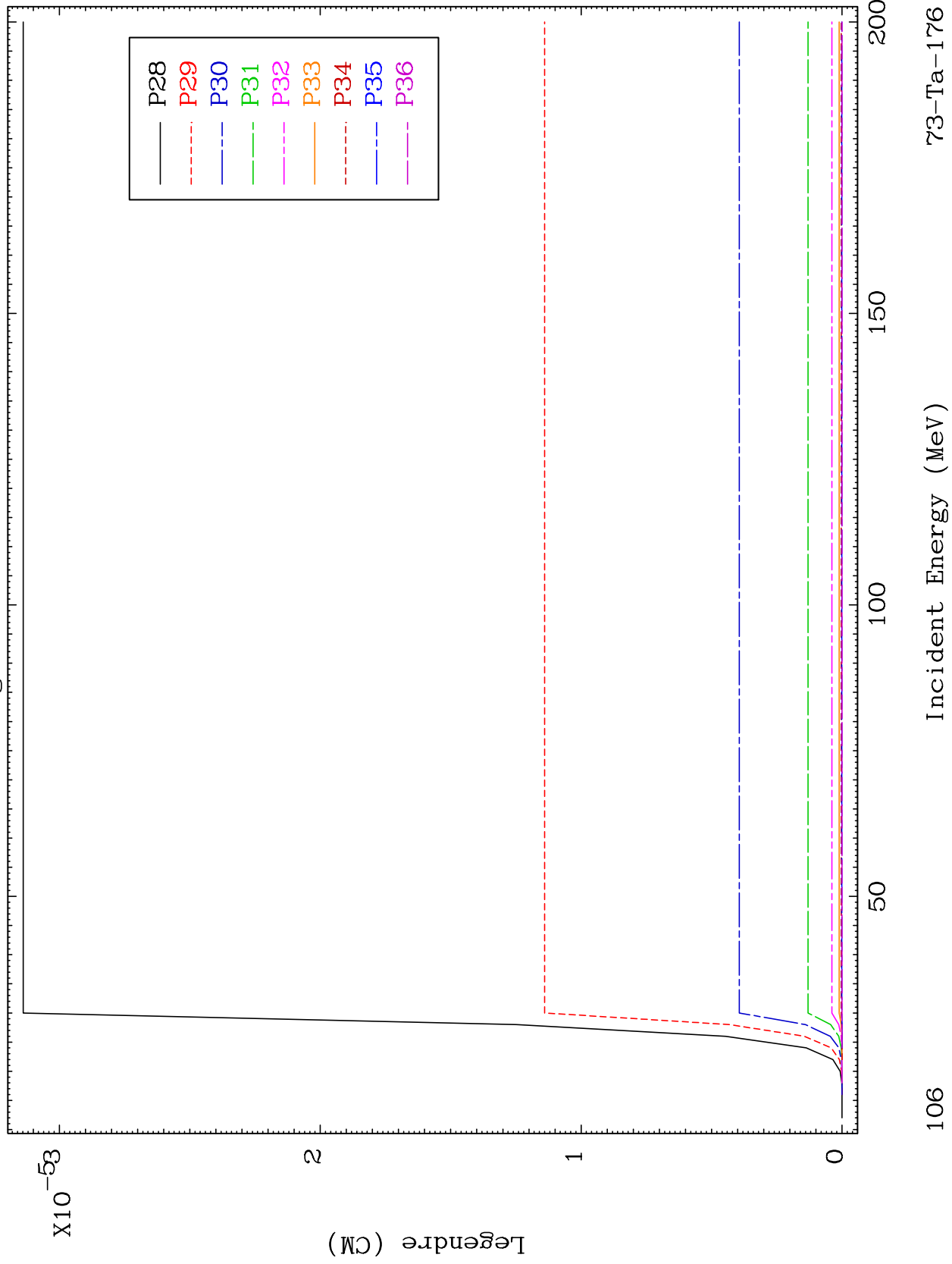
Incident Energy (MeV)

105

MAT 7313

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

73-Ta-176

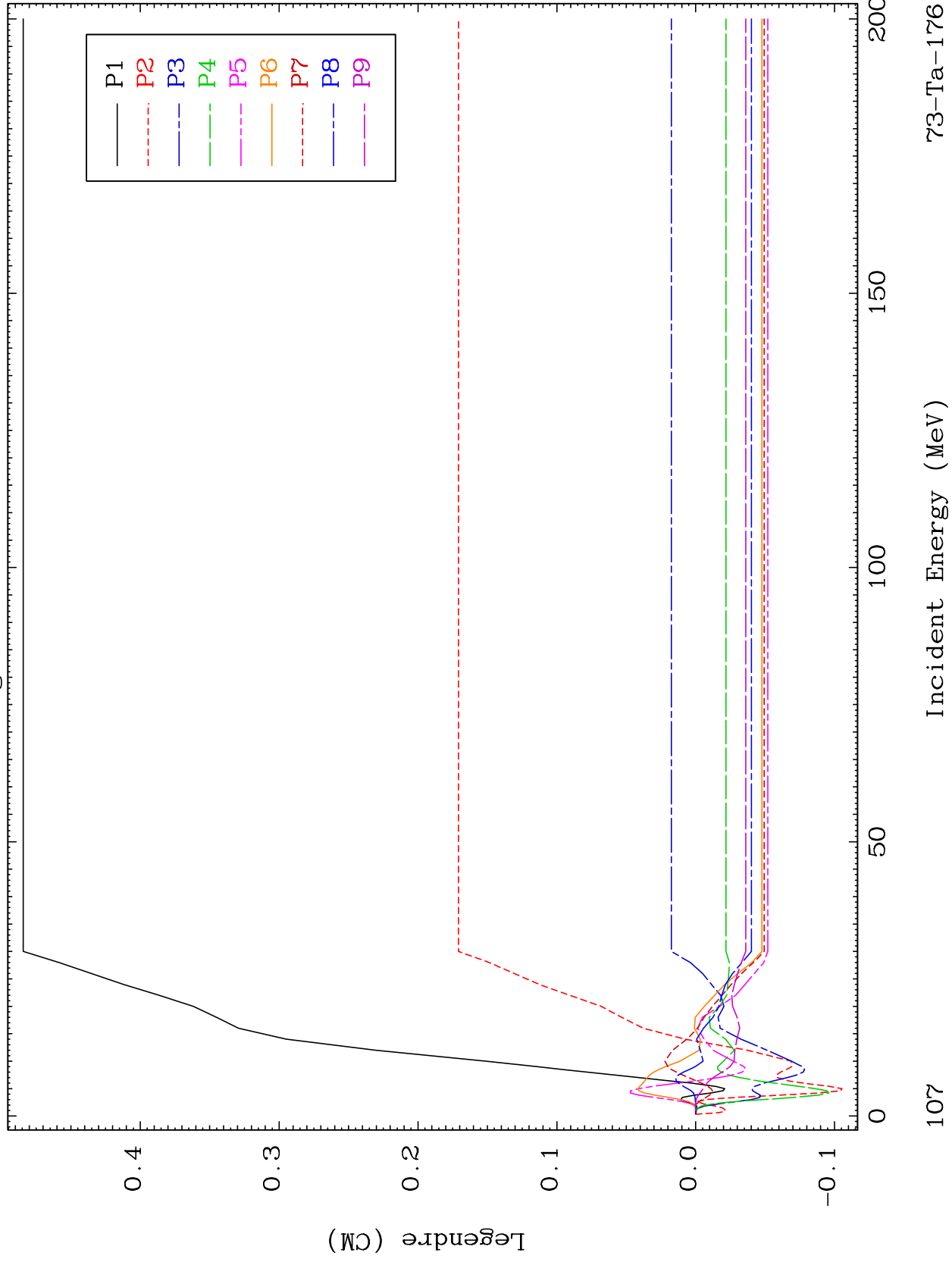


106

MAT 7313

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

73-Ta-176



73-Ta-176

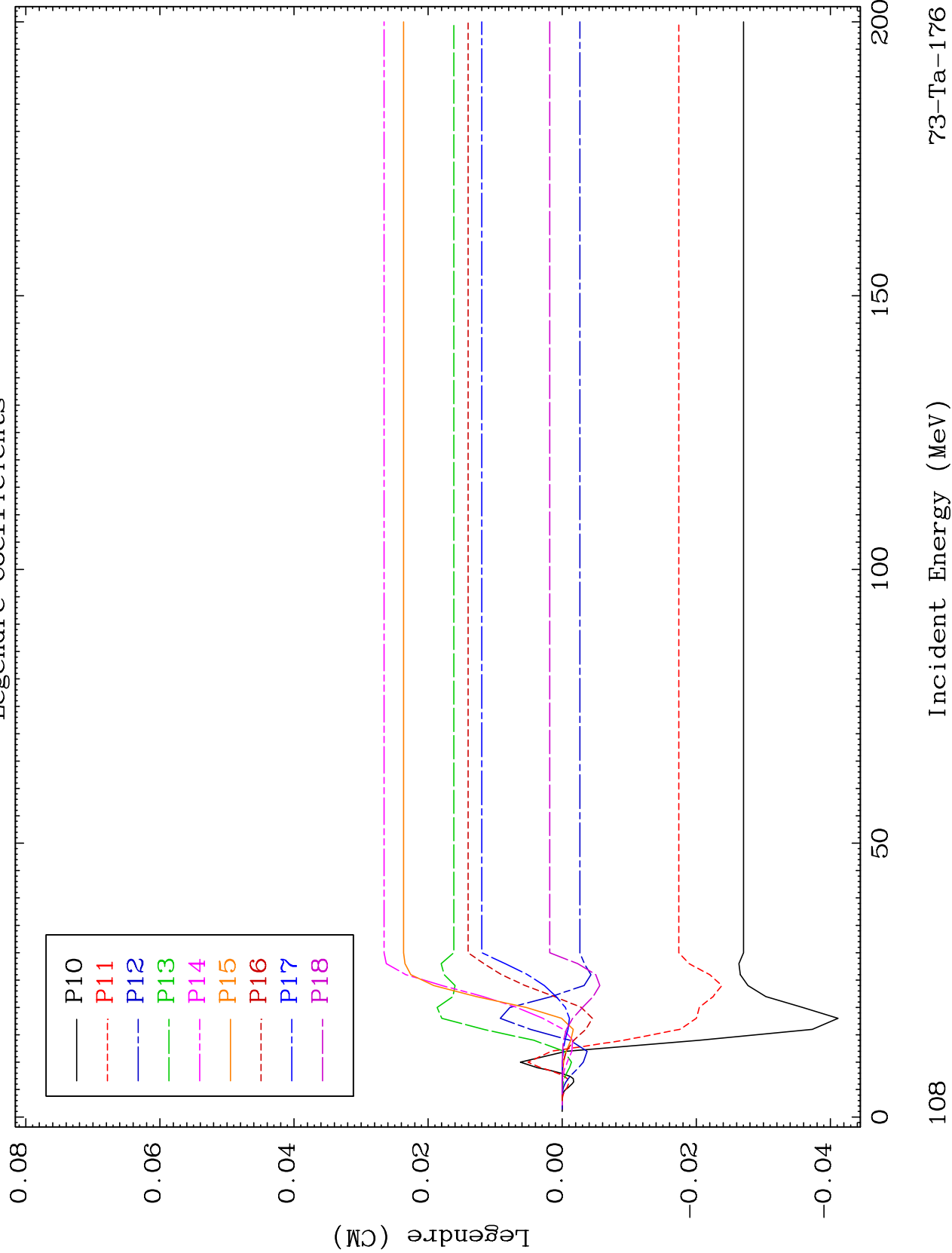
Incident Energy (MeV)

107

MAT 7313

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

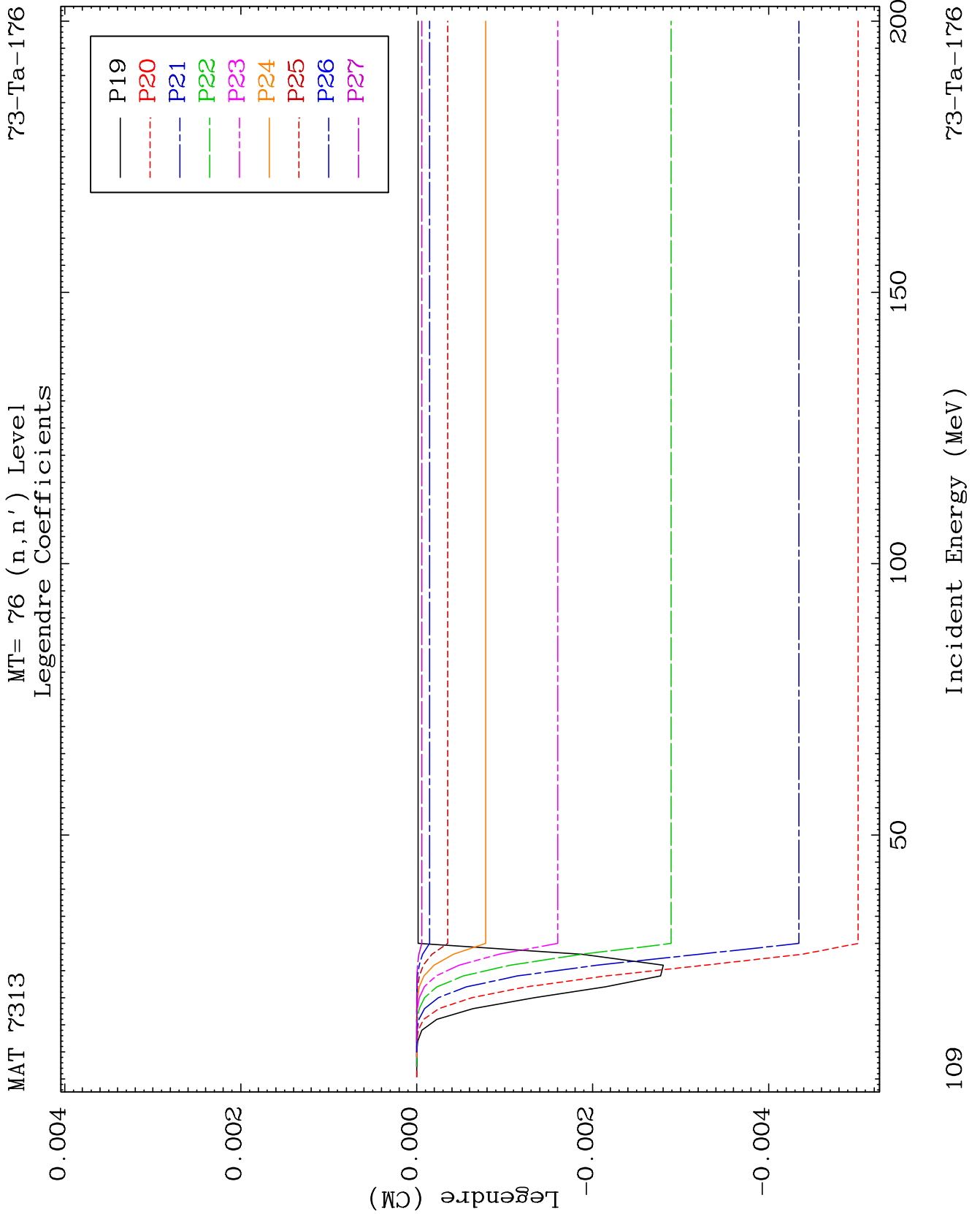
73-Ta-176

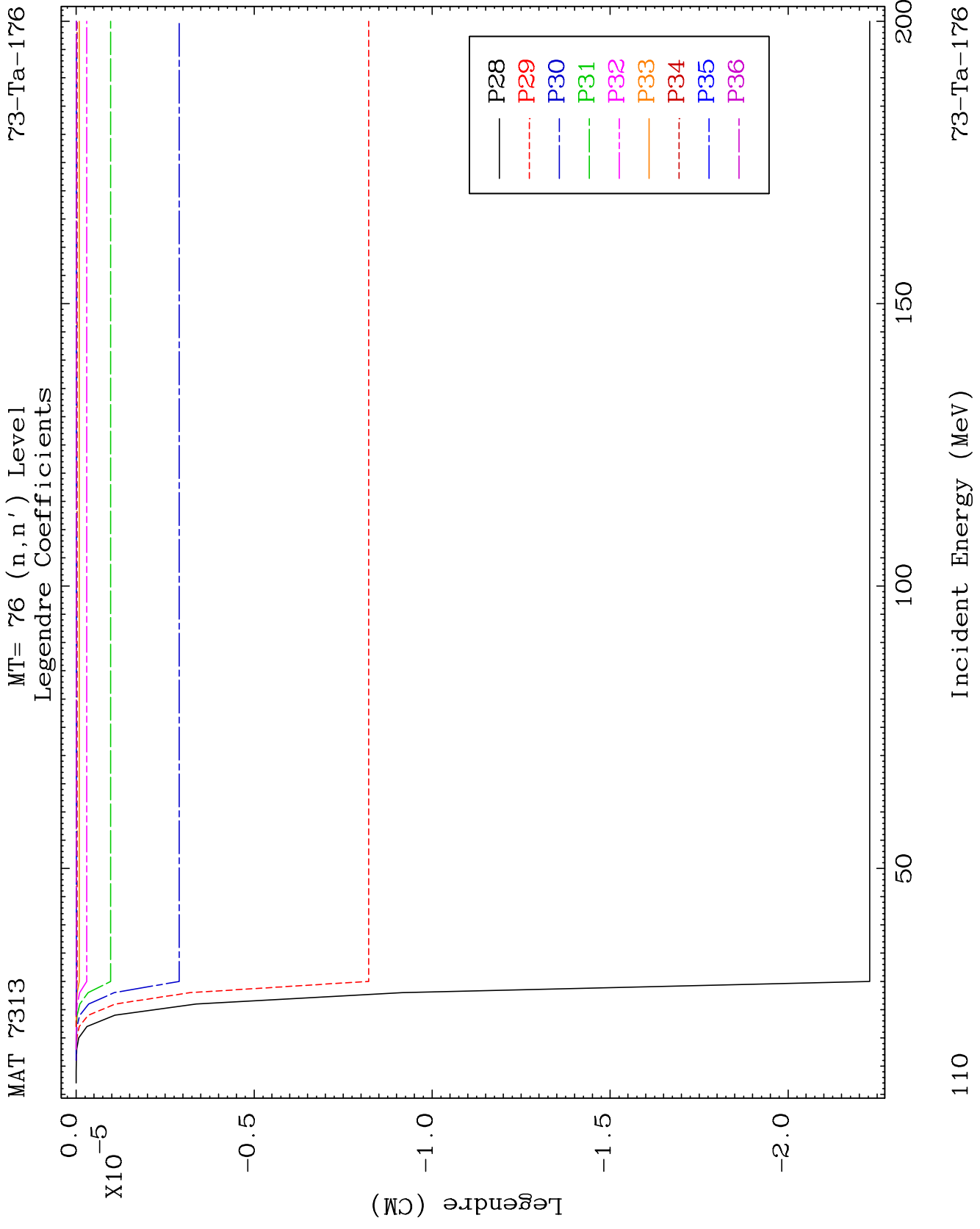


73-Ta-176

Incident Energy (MeV)

108

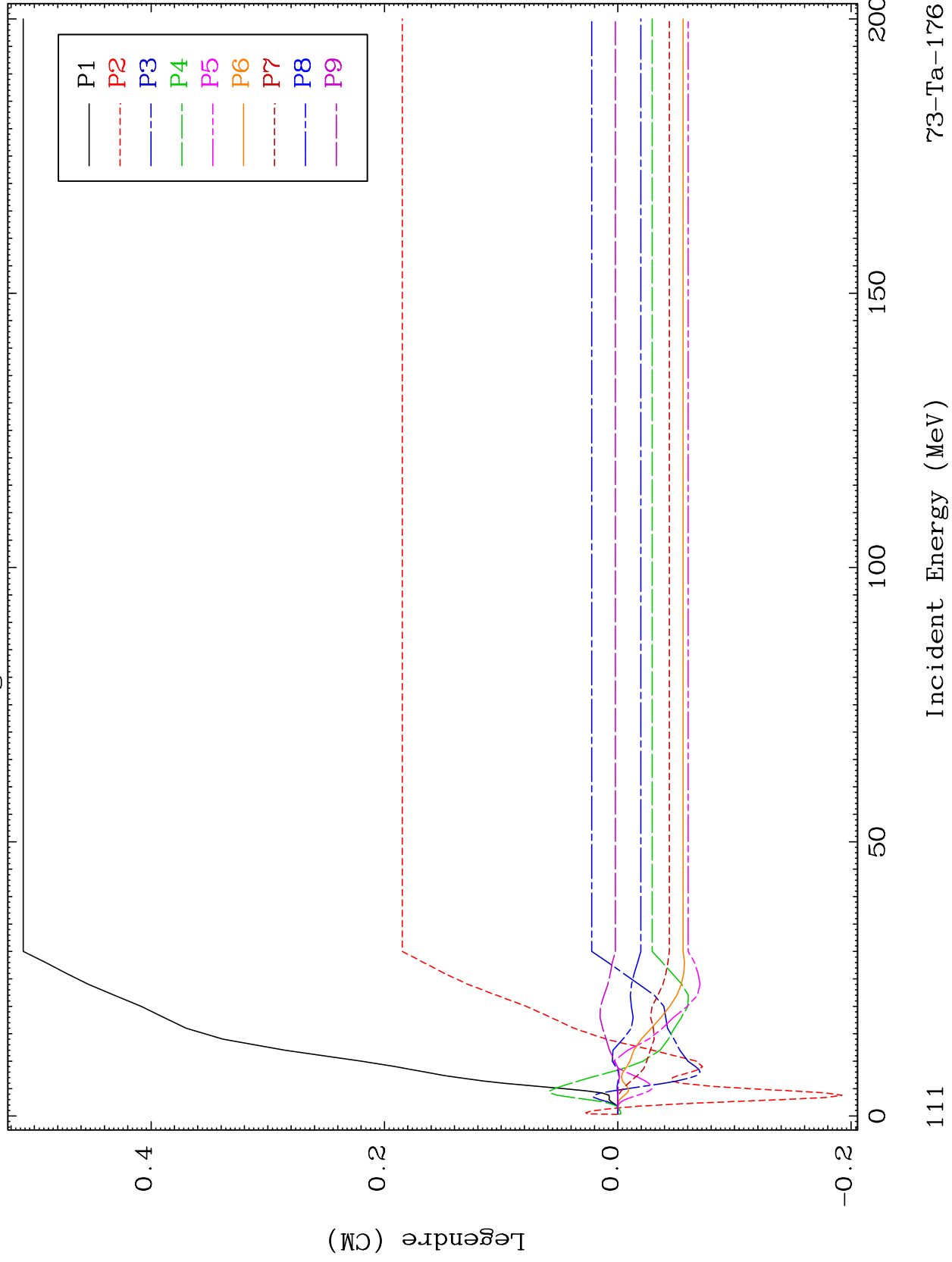




MAT 7313

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

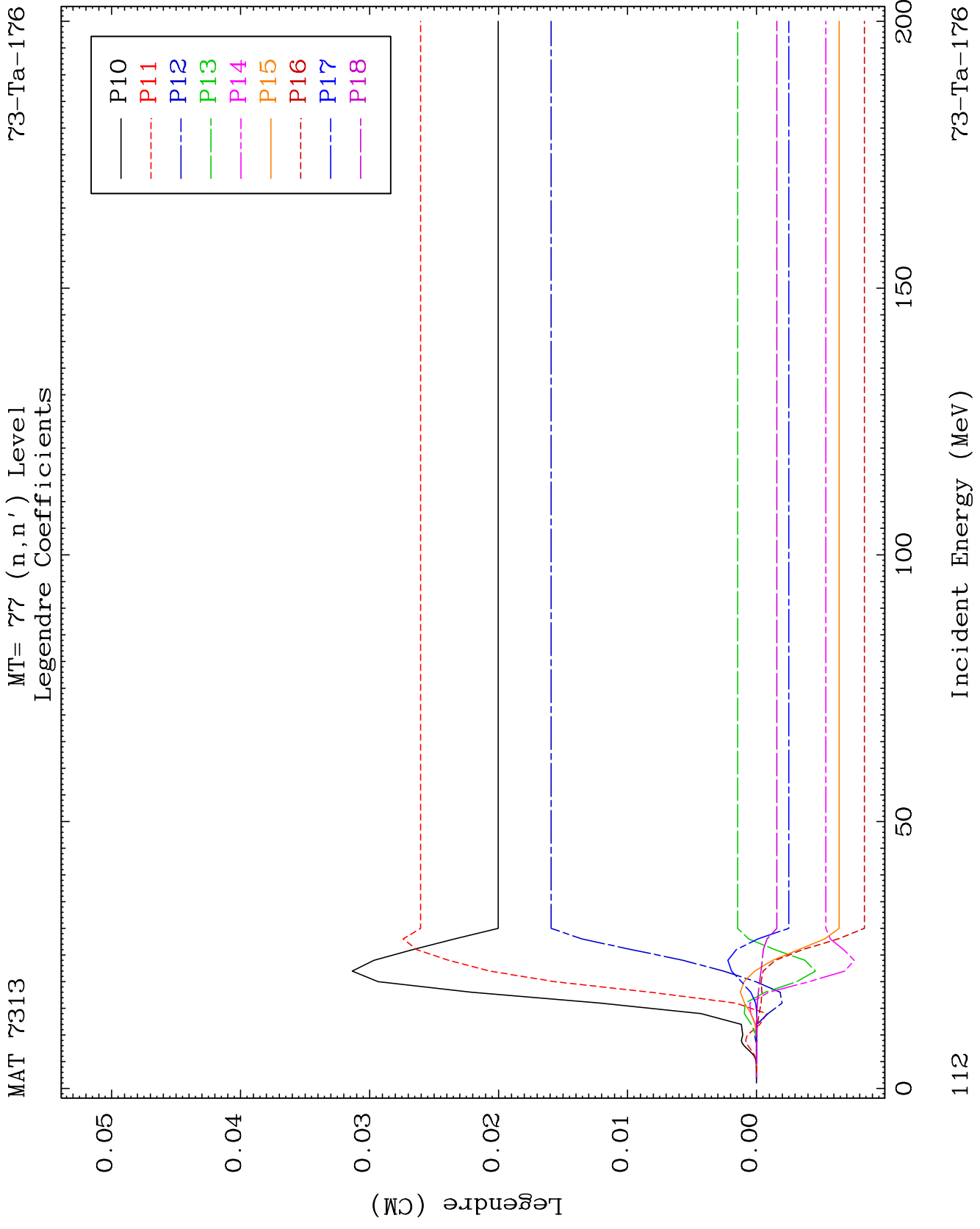
73-Ta-176



73-Ta-176

Incident Energy (MeV)

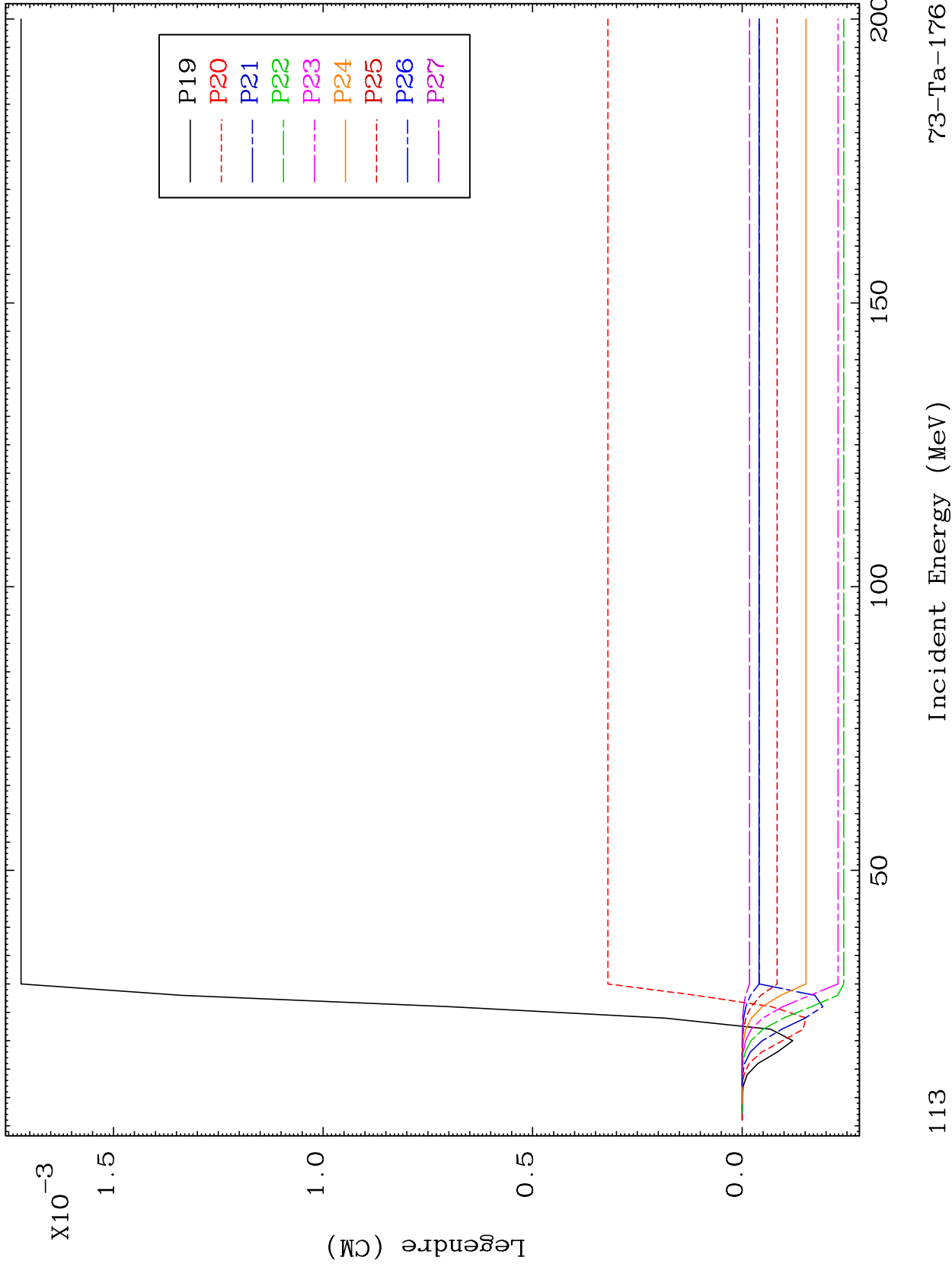
111



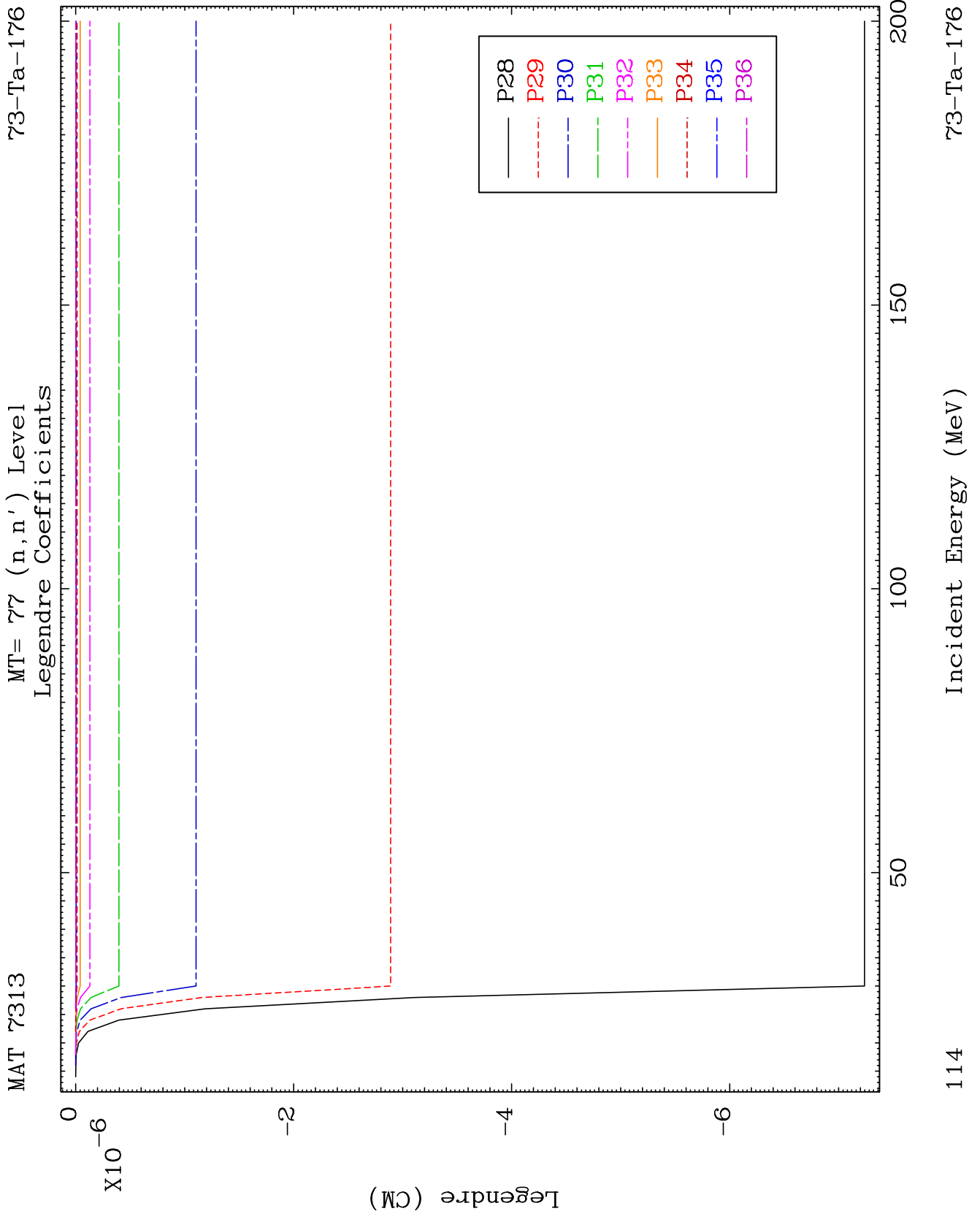
MAT 7313

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

73-Ta-176



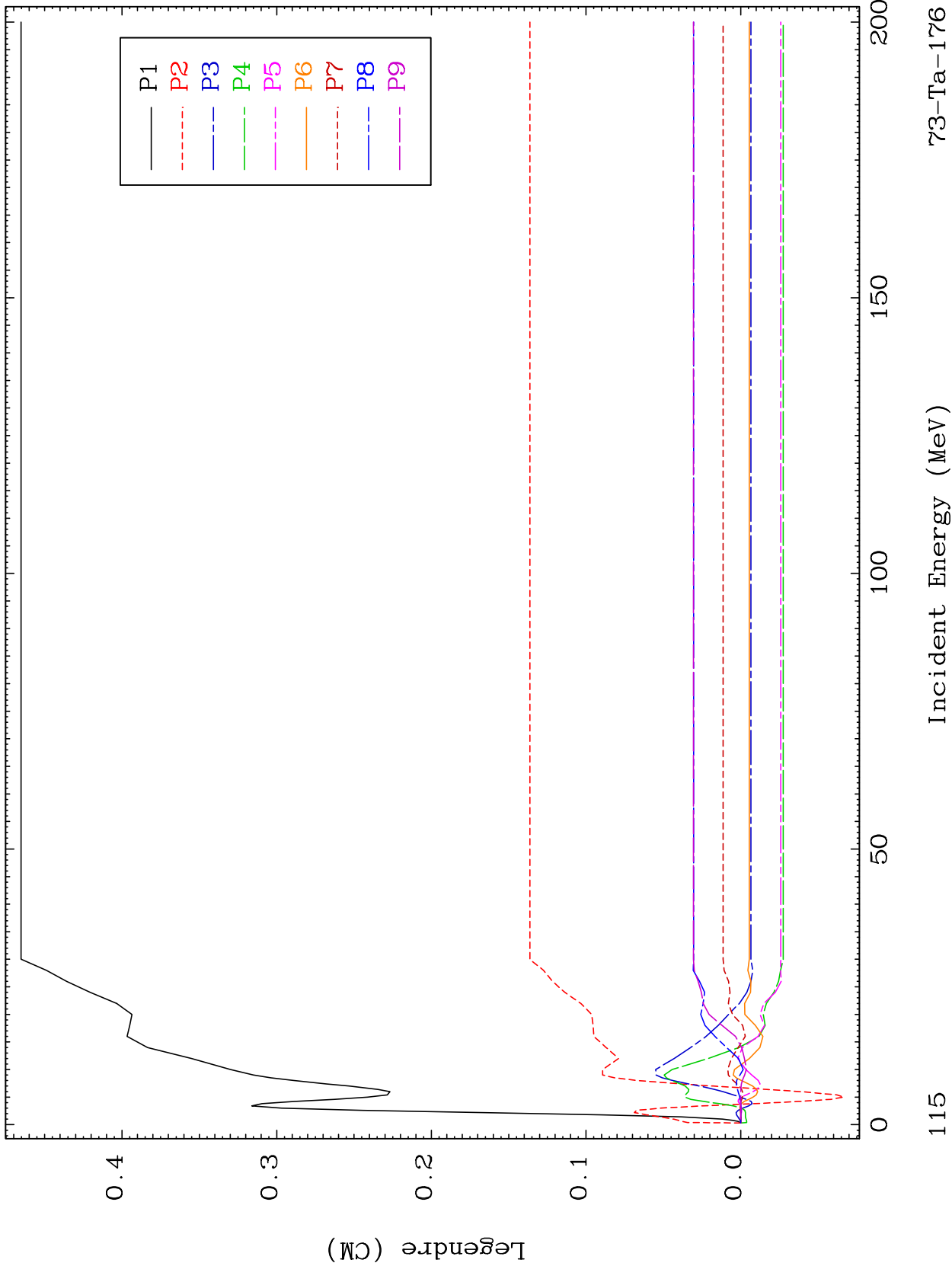
113



MAT 7313

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

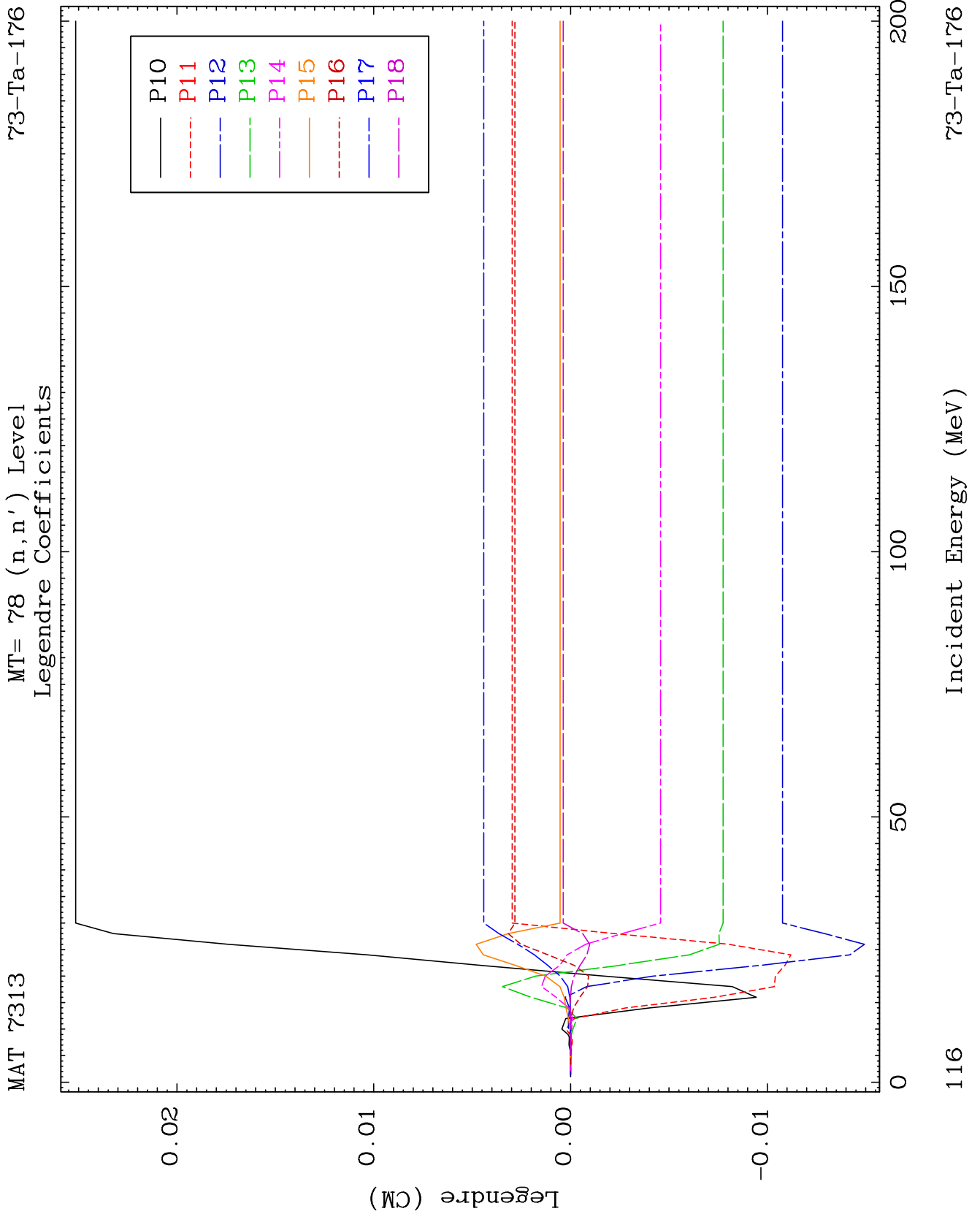
73-Ta-176



73-Ta-176

Incident Energy (MeV)

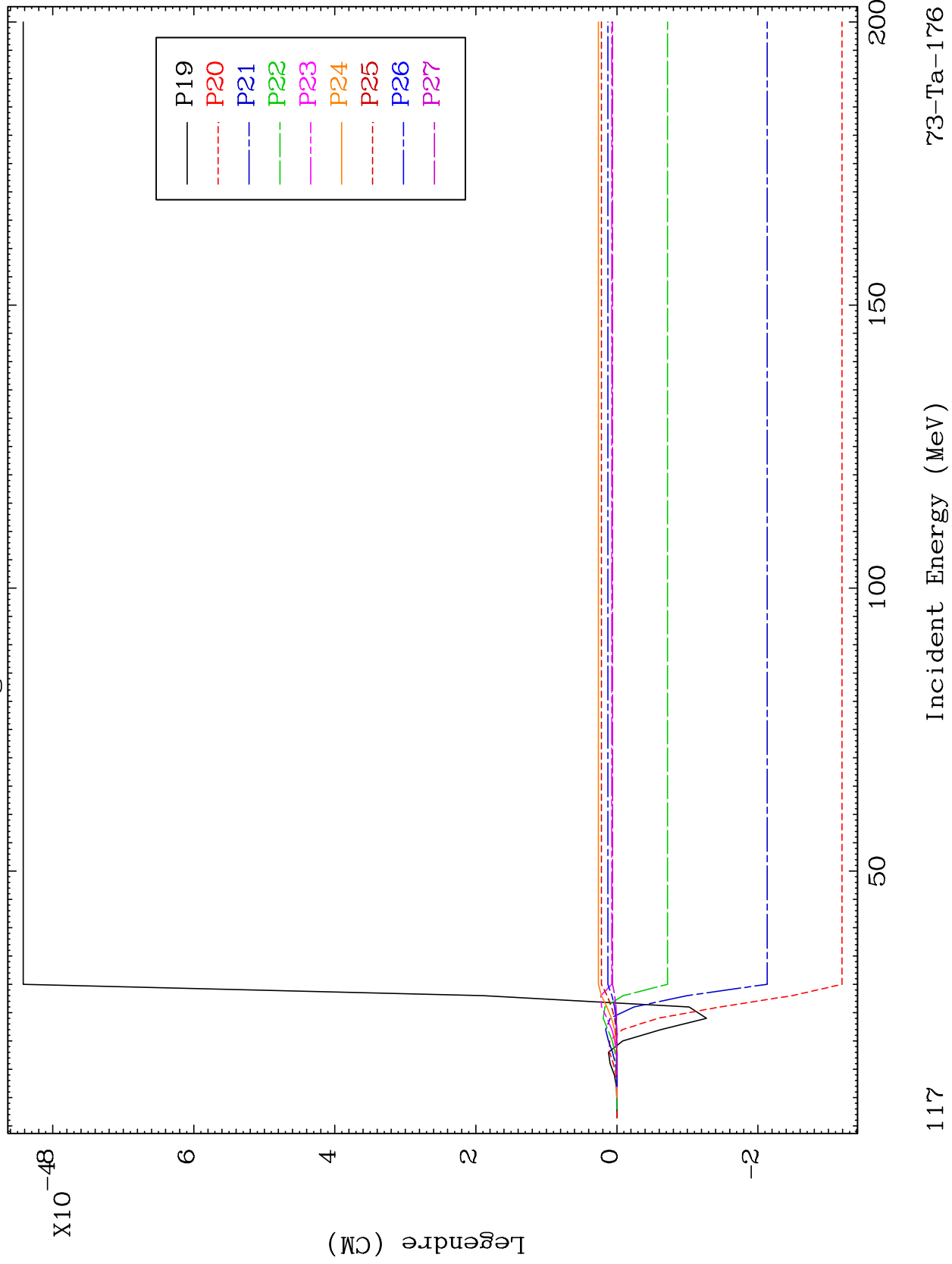
115



MAT 7313

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

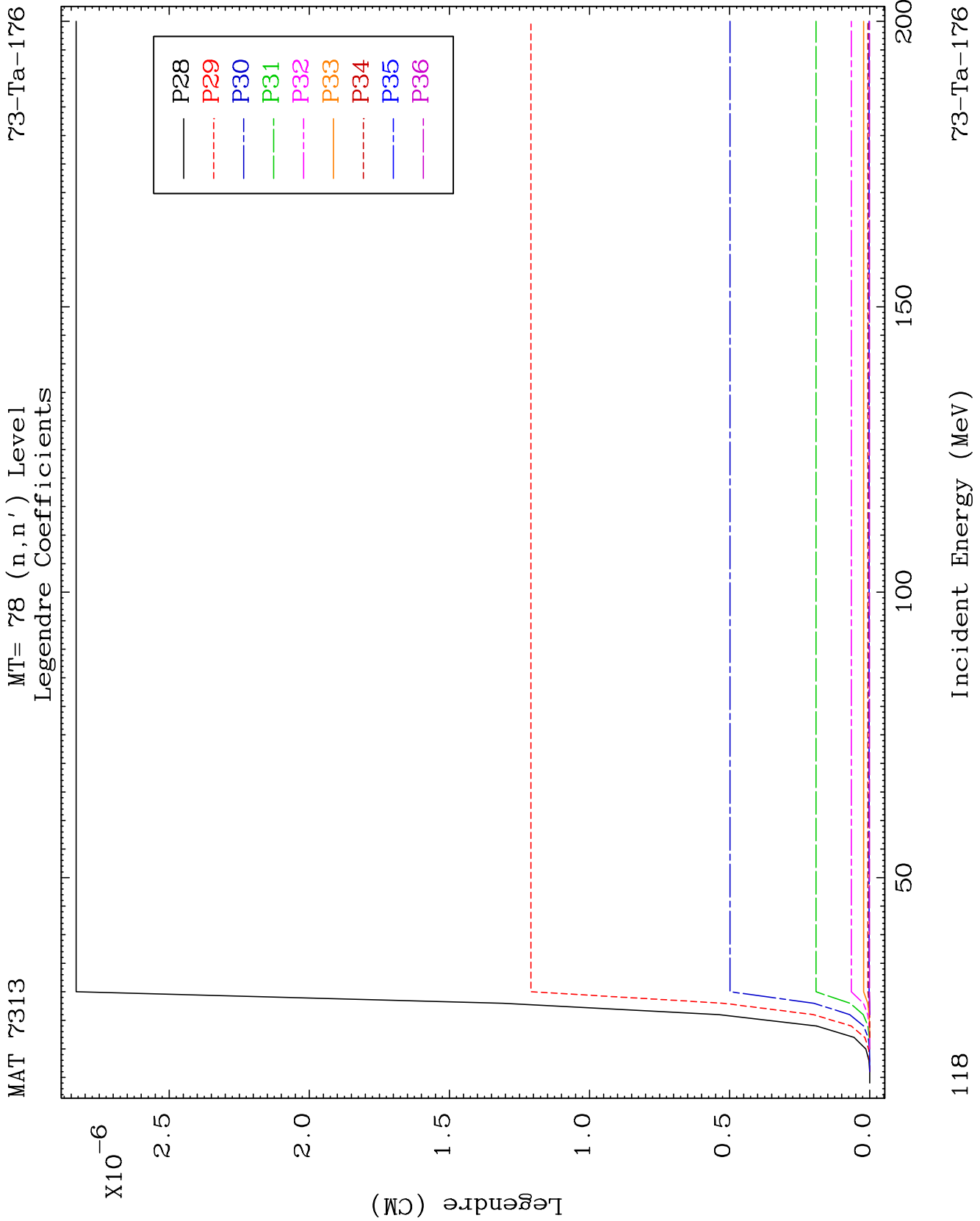
73-Ta-176



117

Incident Energy (MeV)

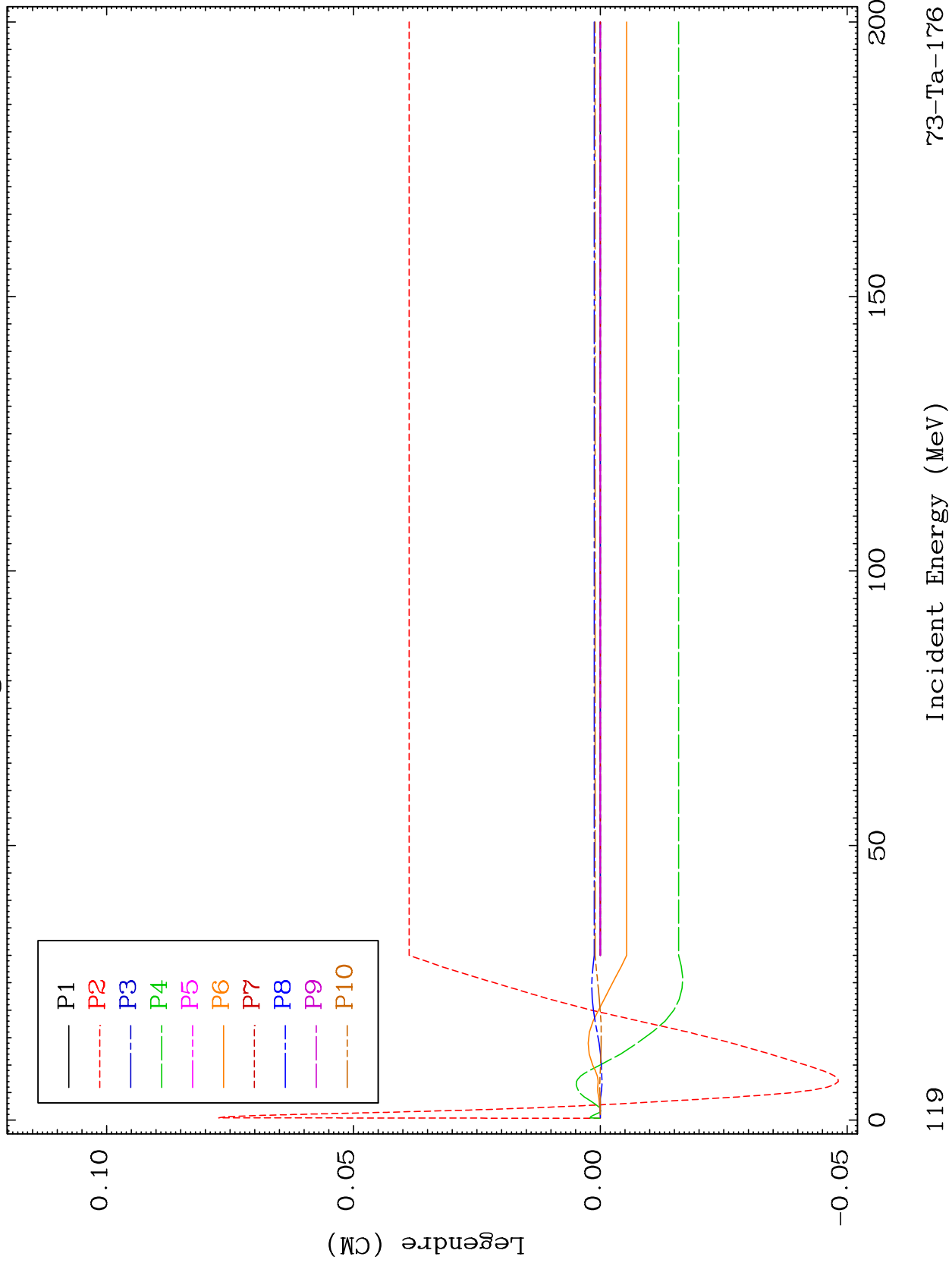
73-Ta-176



MAT 7313

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

73-Ta-176



119

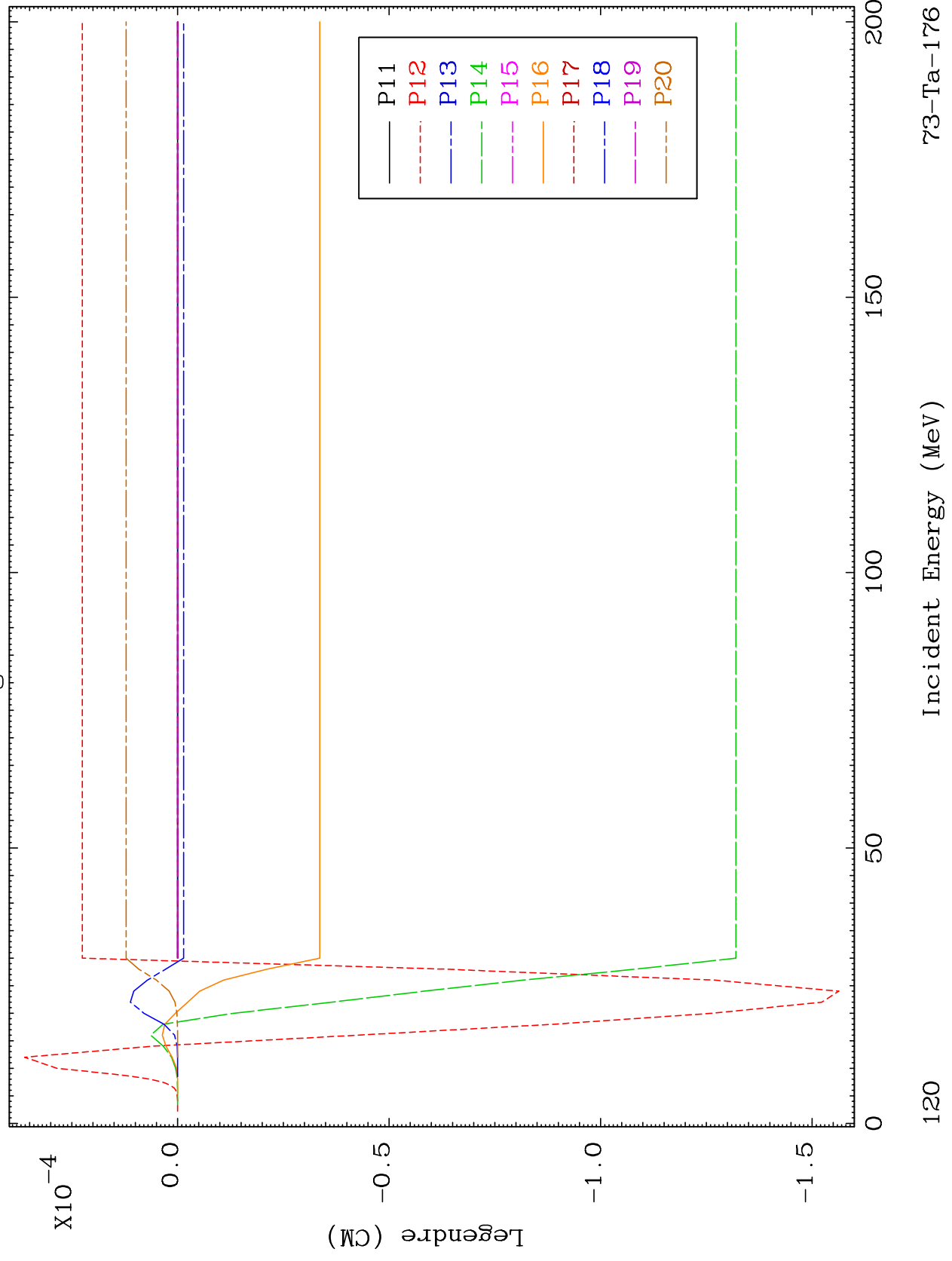
Incident Energy (MeV)

73-Ta-176

MAT 7313

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

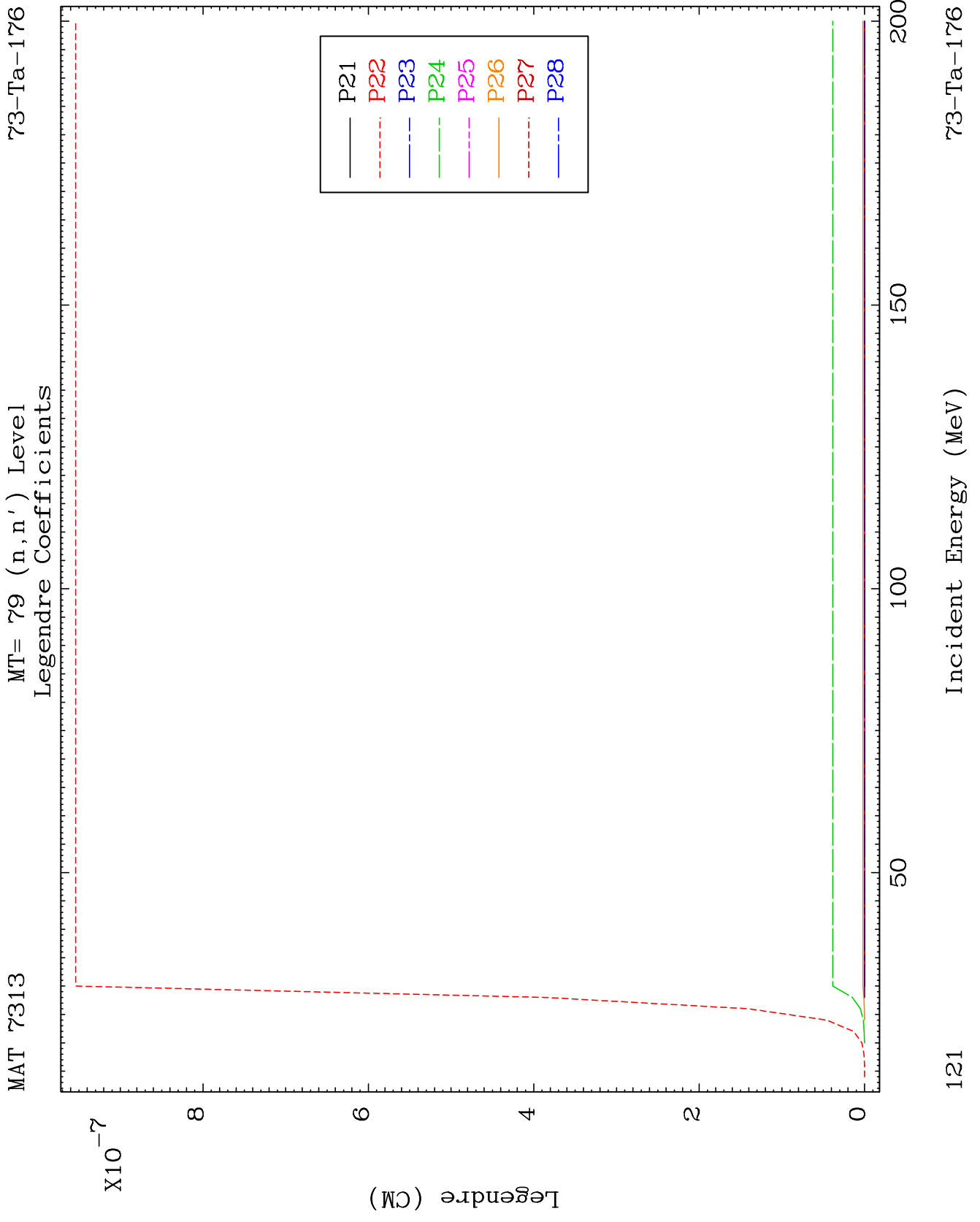
73-Ta-176

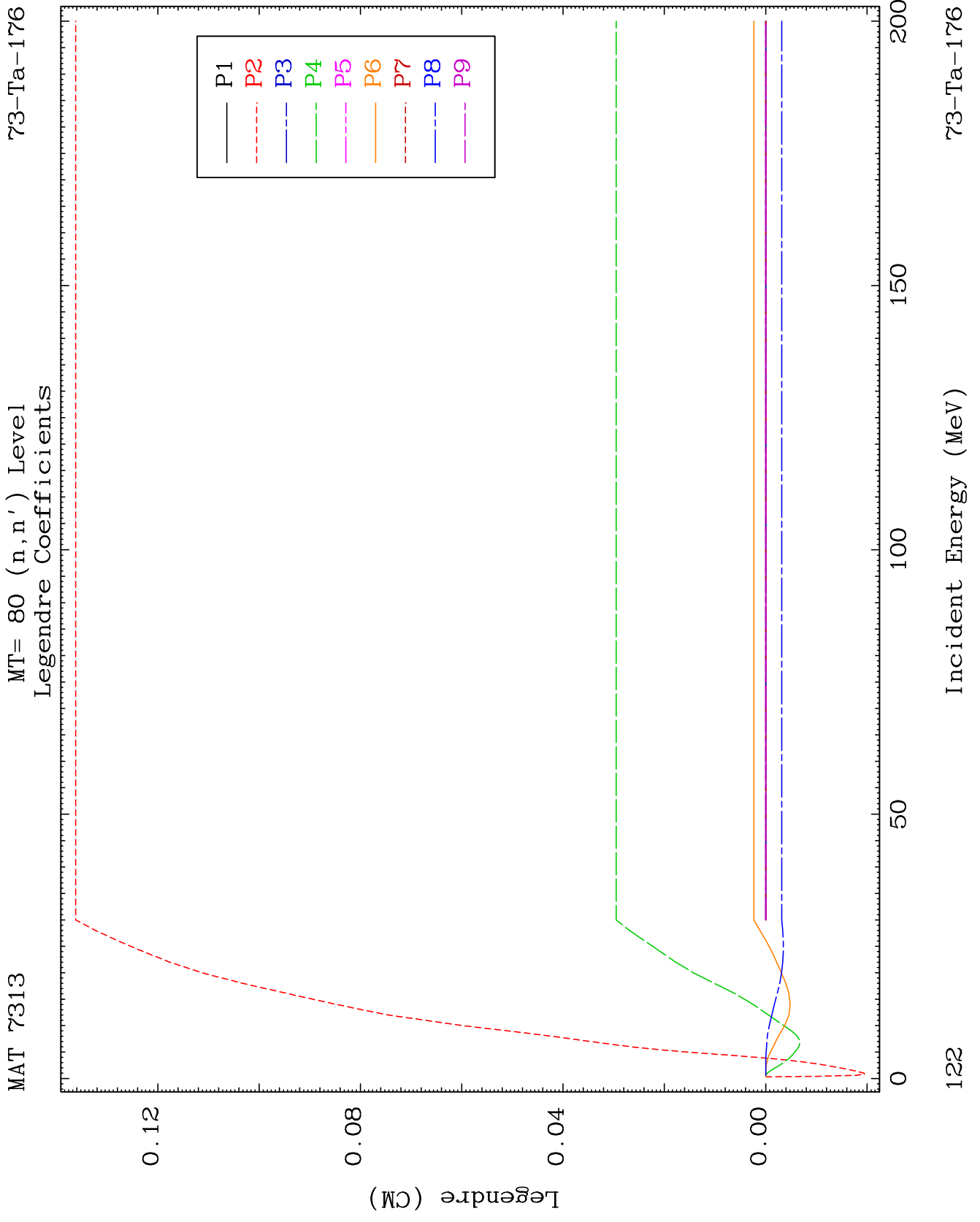


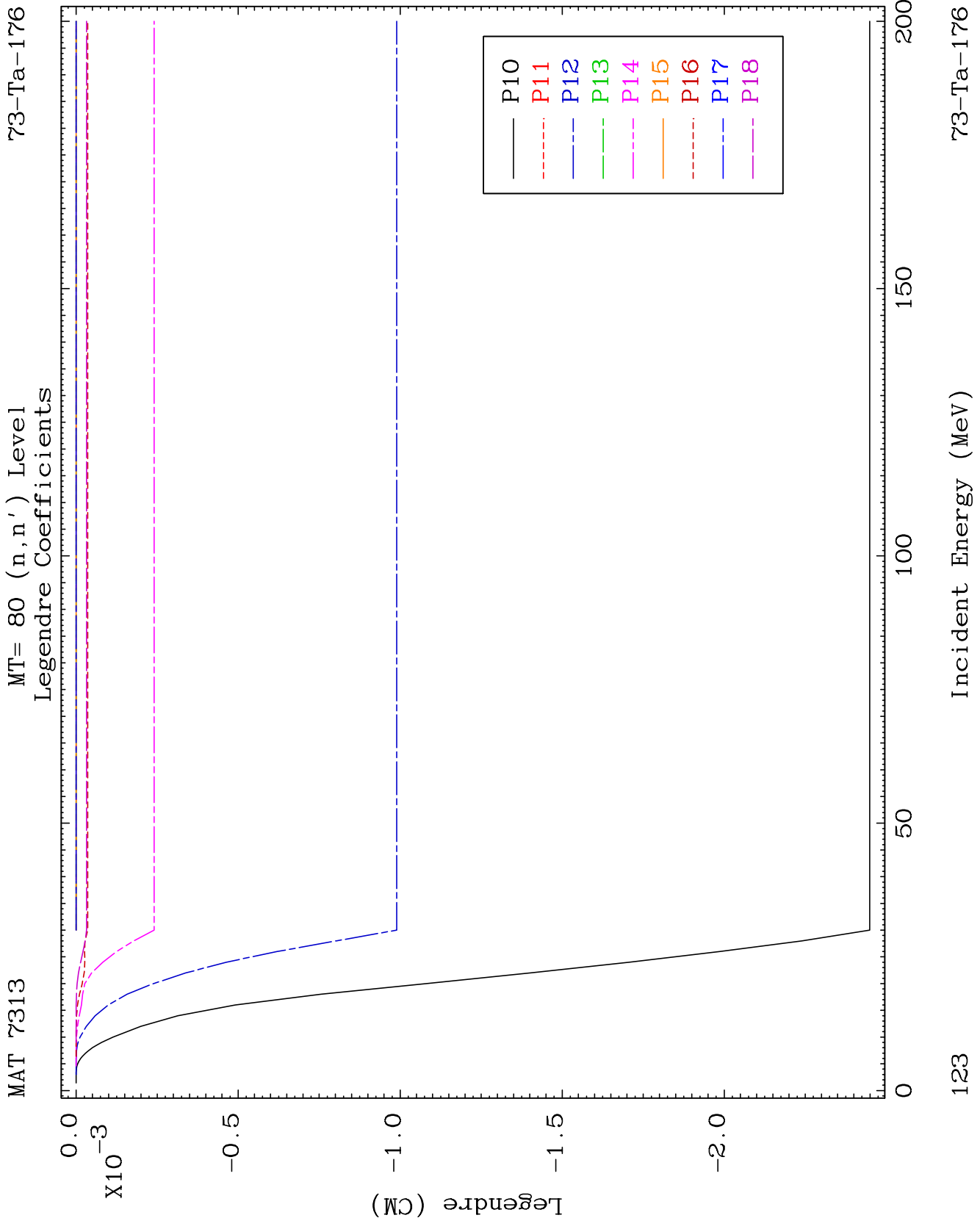
73-Ta-176

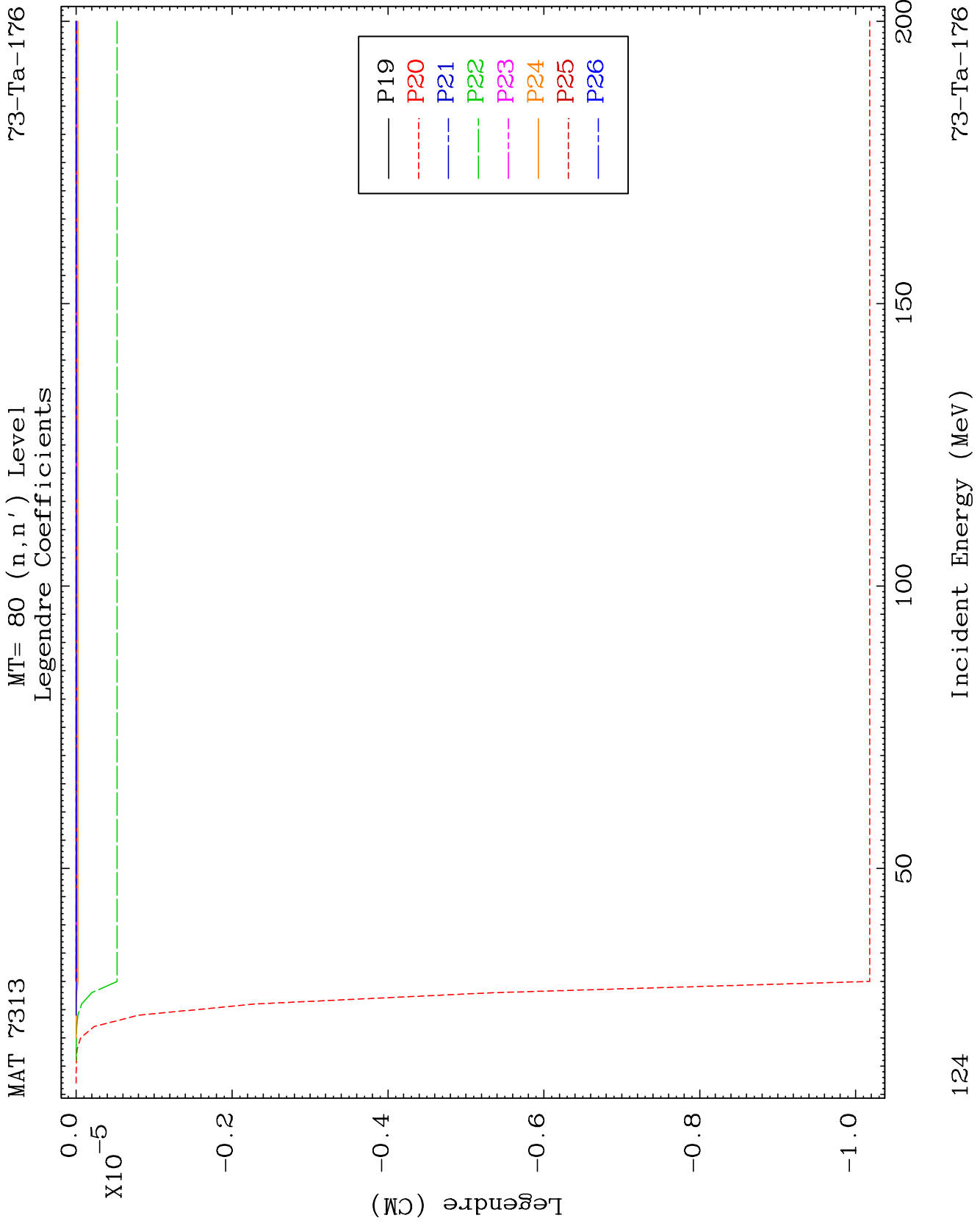
Incident Energy (MeV)

120







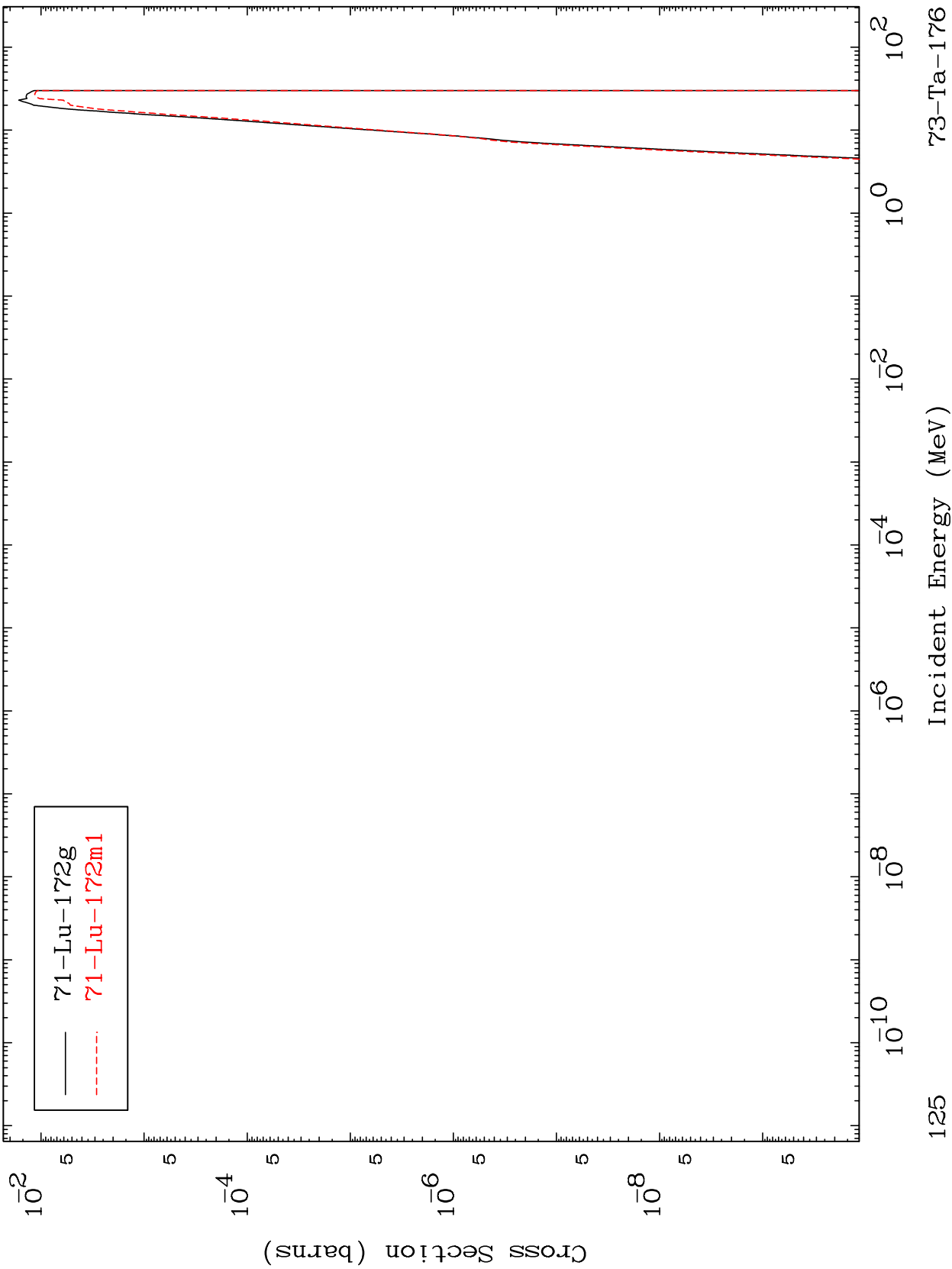


MAT 7313

$(n, n') \alpha$

$^{73}\text{Ta-176}$

Radionuclide Production Cross Section



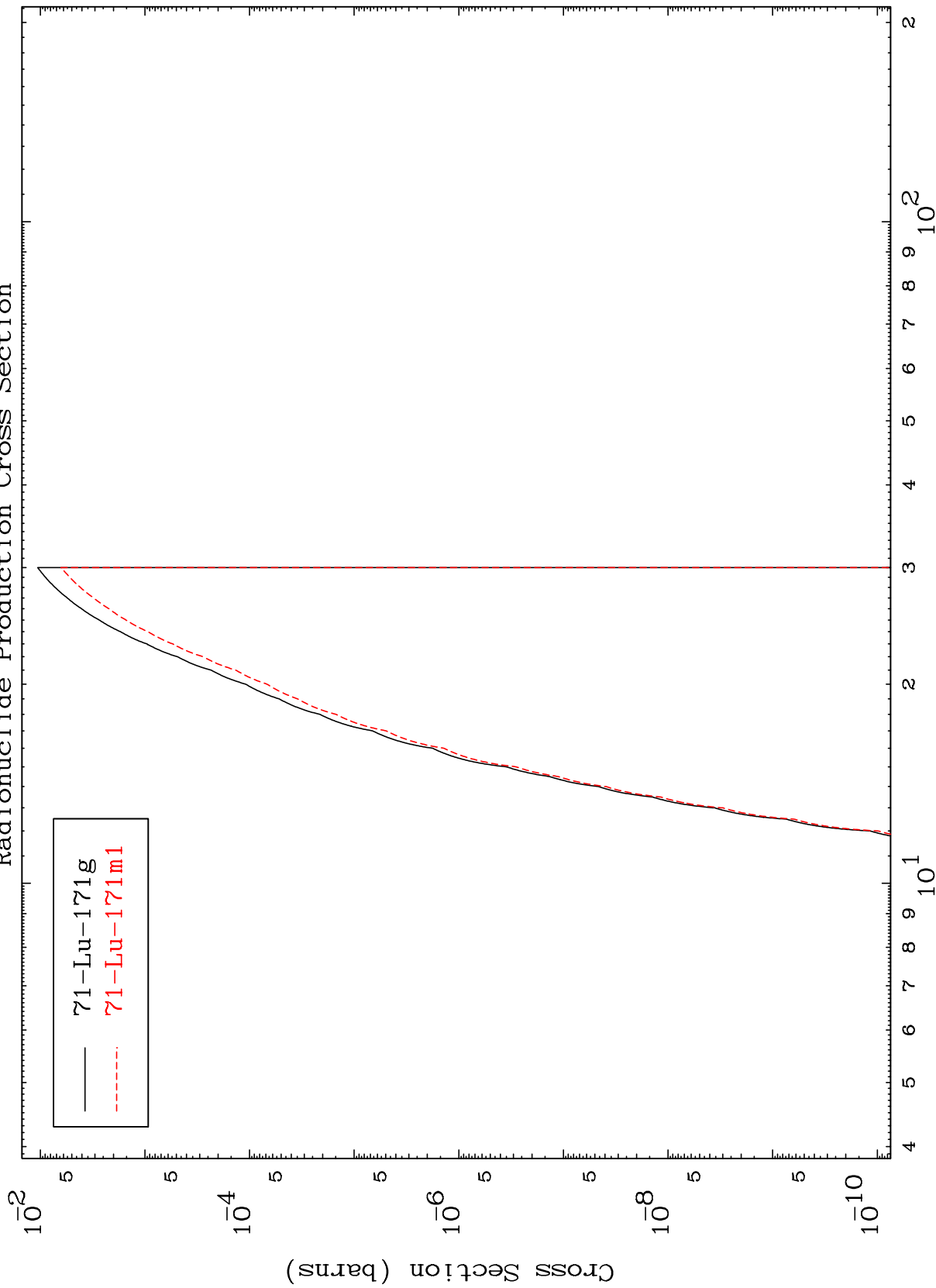
— $^{71}\text{Lu-172g}$
- - - $^{71}\text{Lu-172m1}$

MAT 7313

(n,2n) α

⁷³Ta-176

Radionuclide Production Cross Section



126

Incident Energy (MeV)

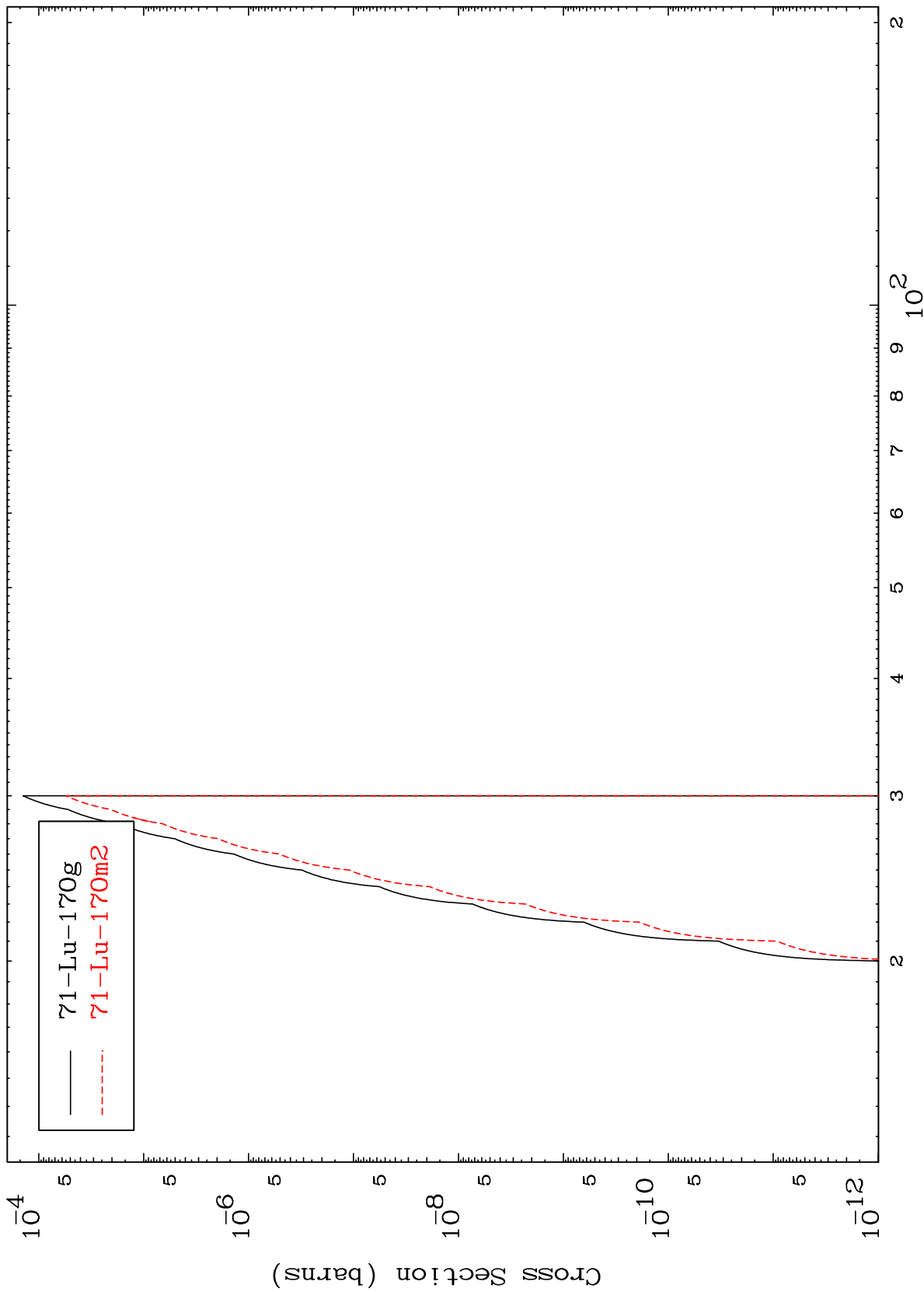
⁷³Ta-176

MAT 7313

(n,3n) α

⁷³Ta-176

Radionuclide Production Cross Section



127

Incident Energy (MeV)

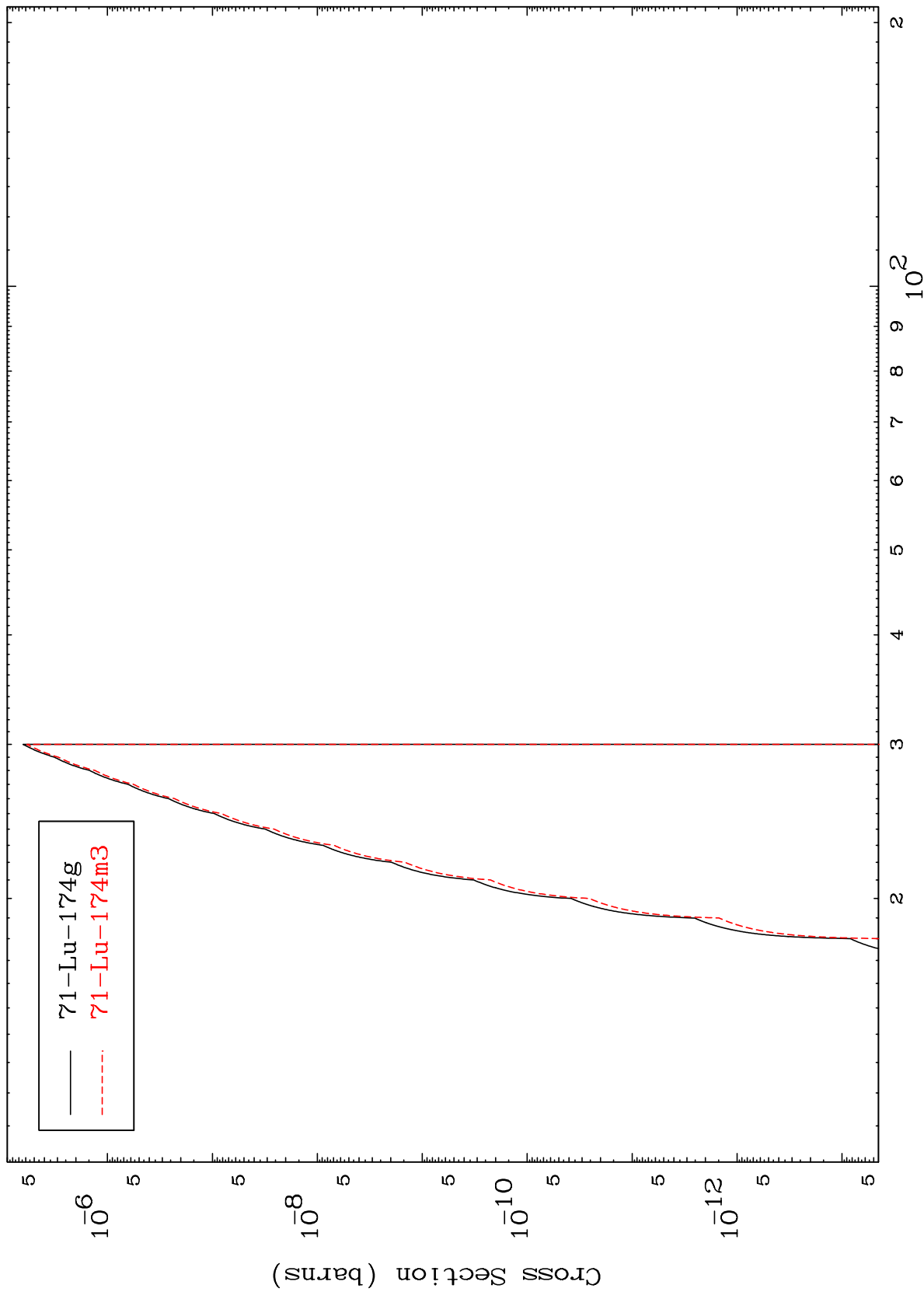
⁷³Ta-176

MAT 7313

(n,2n) p

73-Ta-176

Radionuclide Production Cross Section



128

Incident Energy (MeV)

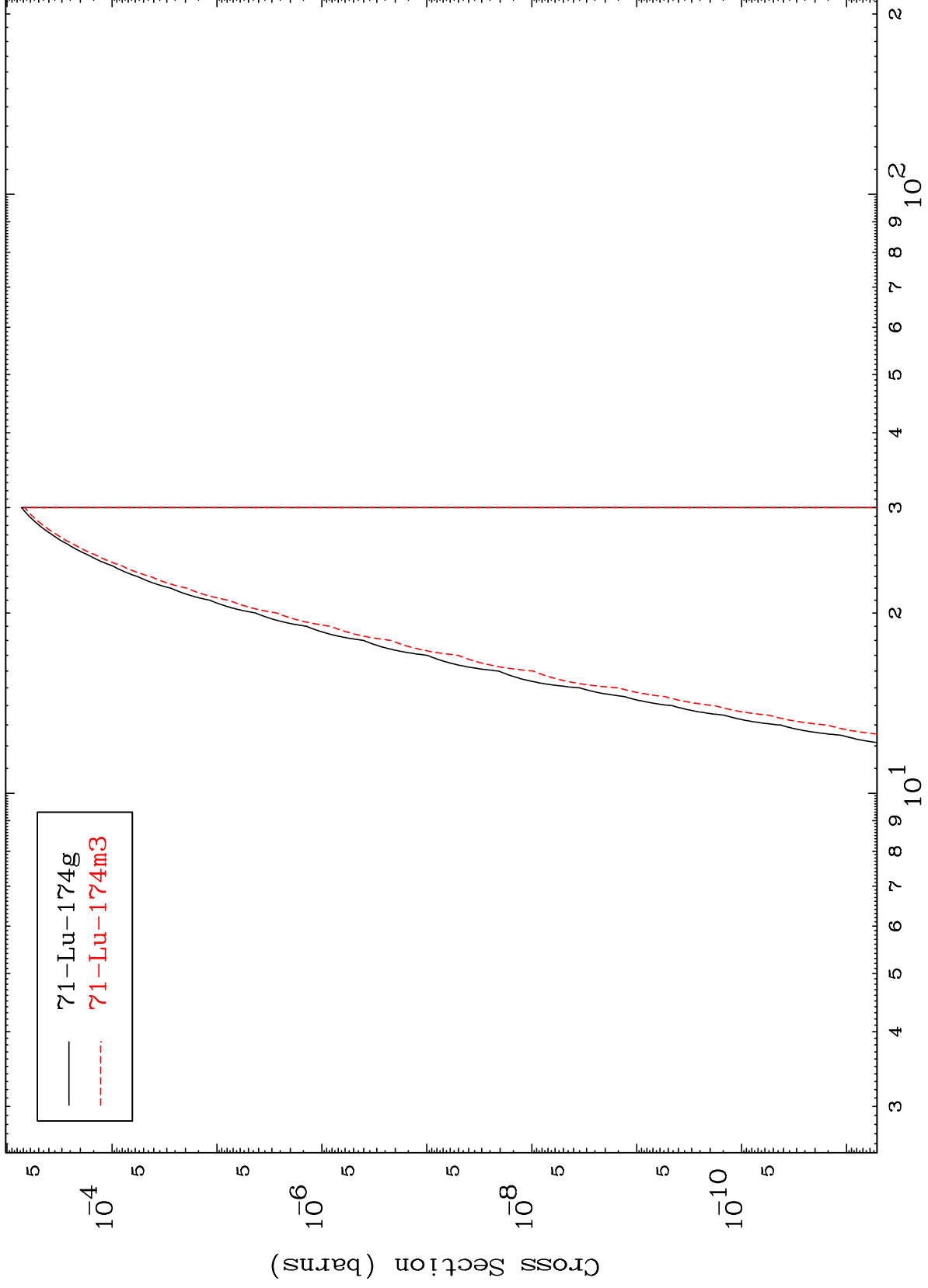
73-Ta-176

MAT 7313

(n,He-3)

73-Ta-176

Radionuclide Production Cross Section



— $^{71}\text{Lu-174g}$
- - - $^{71}\text{Lu-174m3}$

129

Incident Energy (MeV)

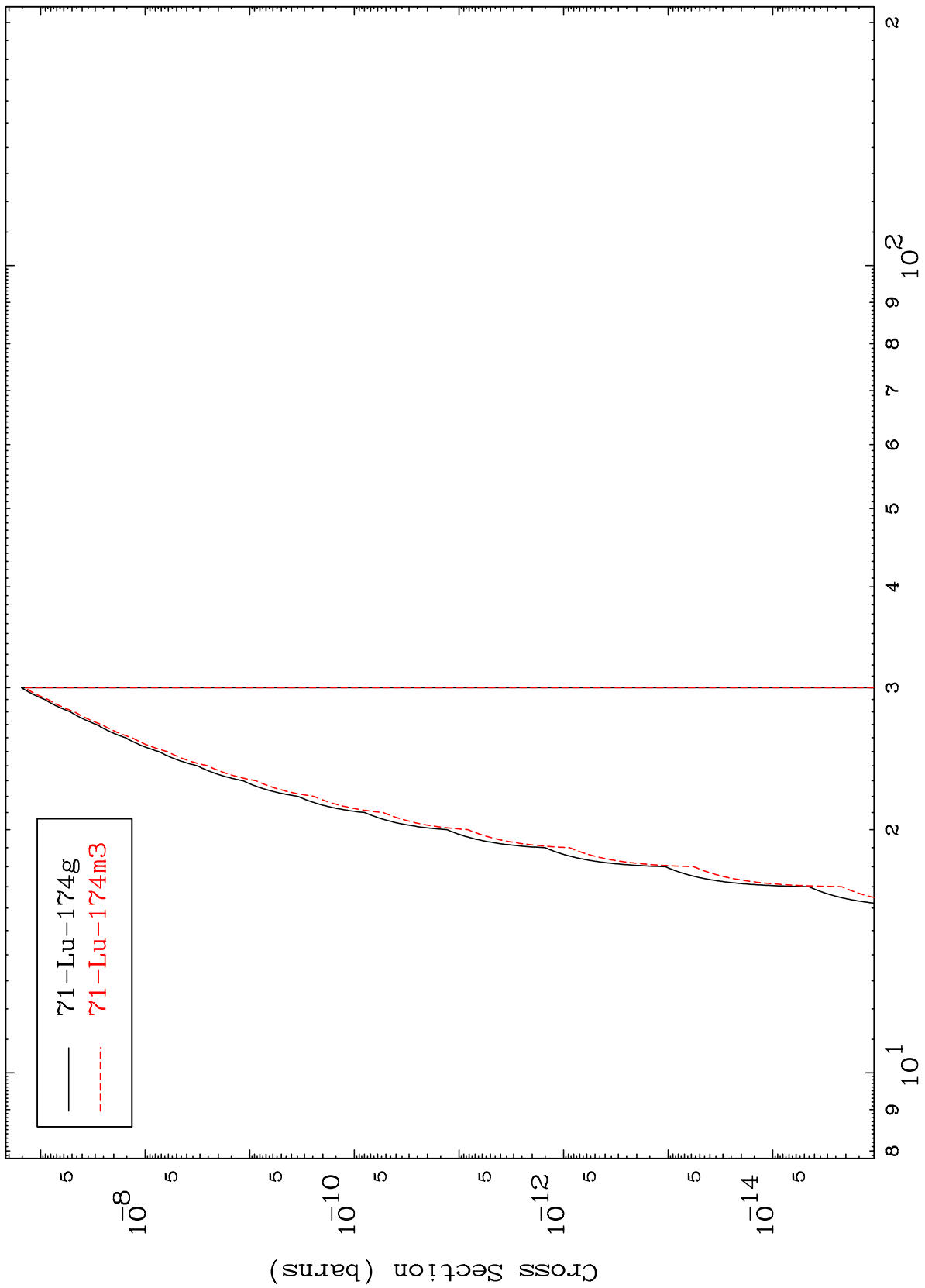
73-Ta-176

MAT 7313

(n,p) d

⁷³Ta-176

Radionuclide Production Cross Section



130

Incident Energy (MeV)

⁷³Ta-176