

Program EVALPLOT  
(Version 2017-1)

by

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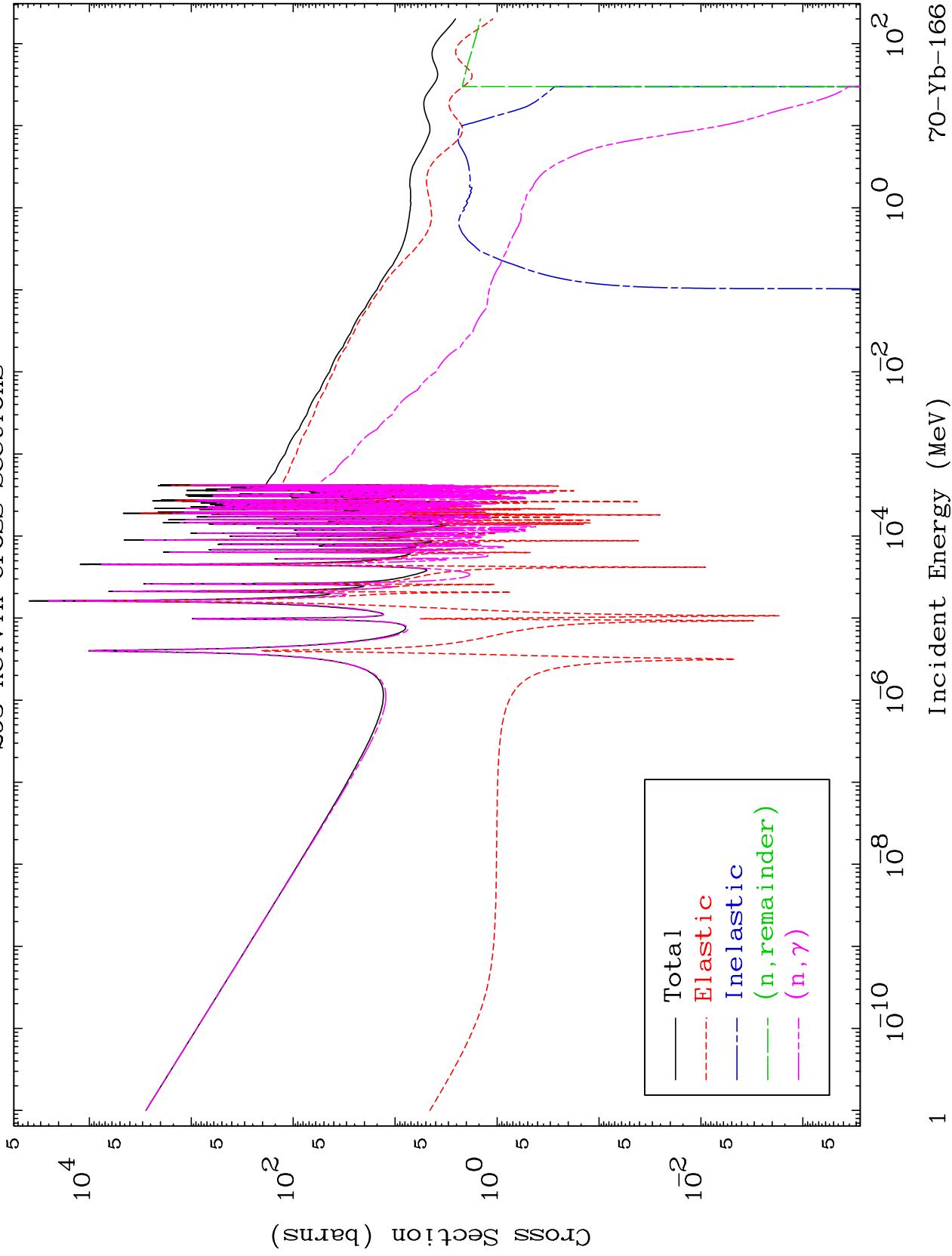
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 7019

Major  
293 Kelvin Cross Sections

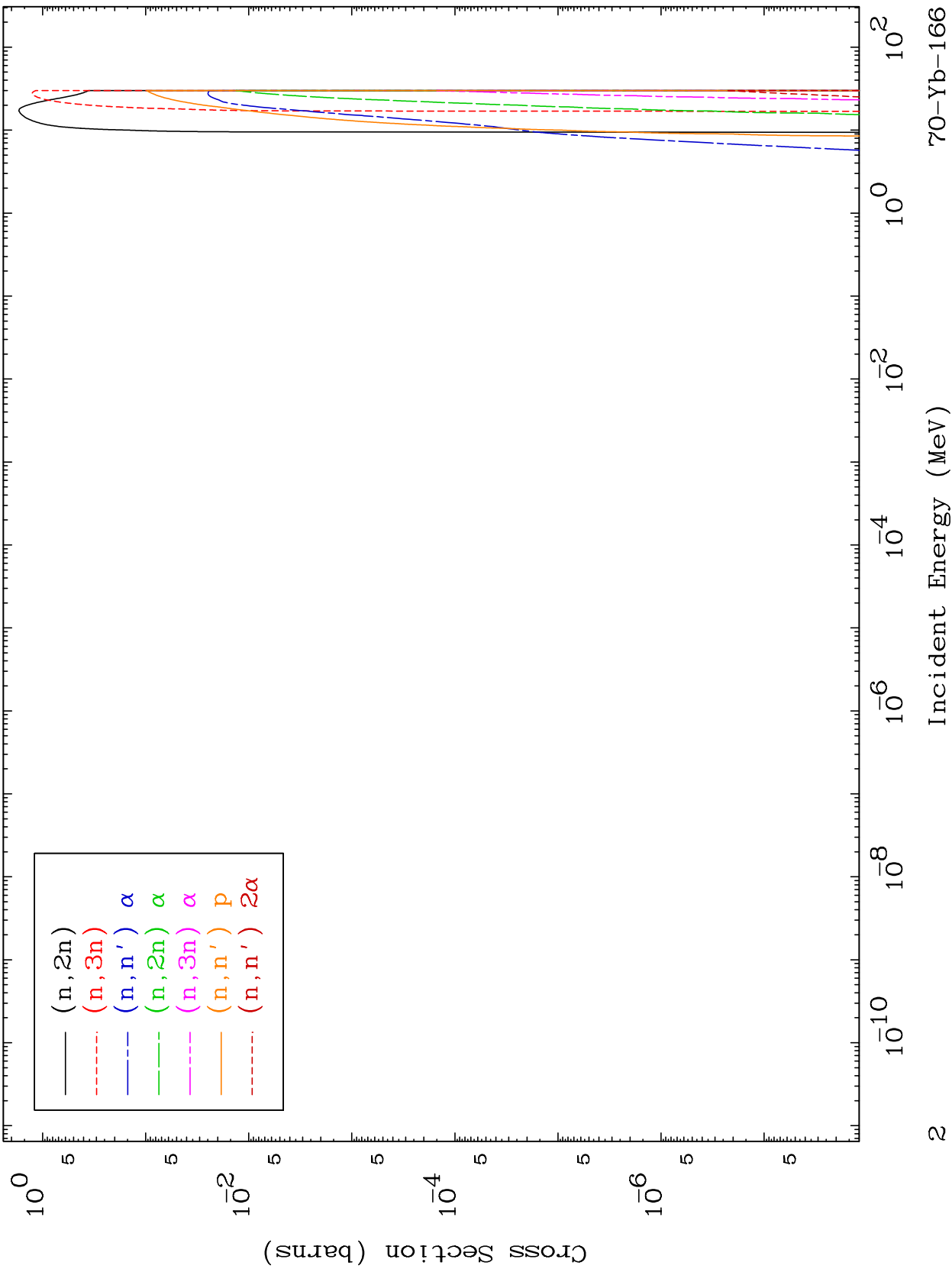
70-Yb-166

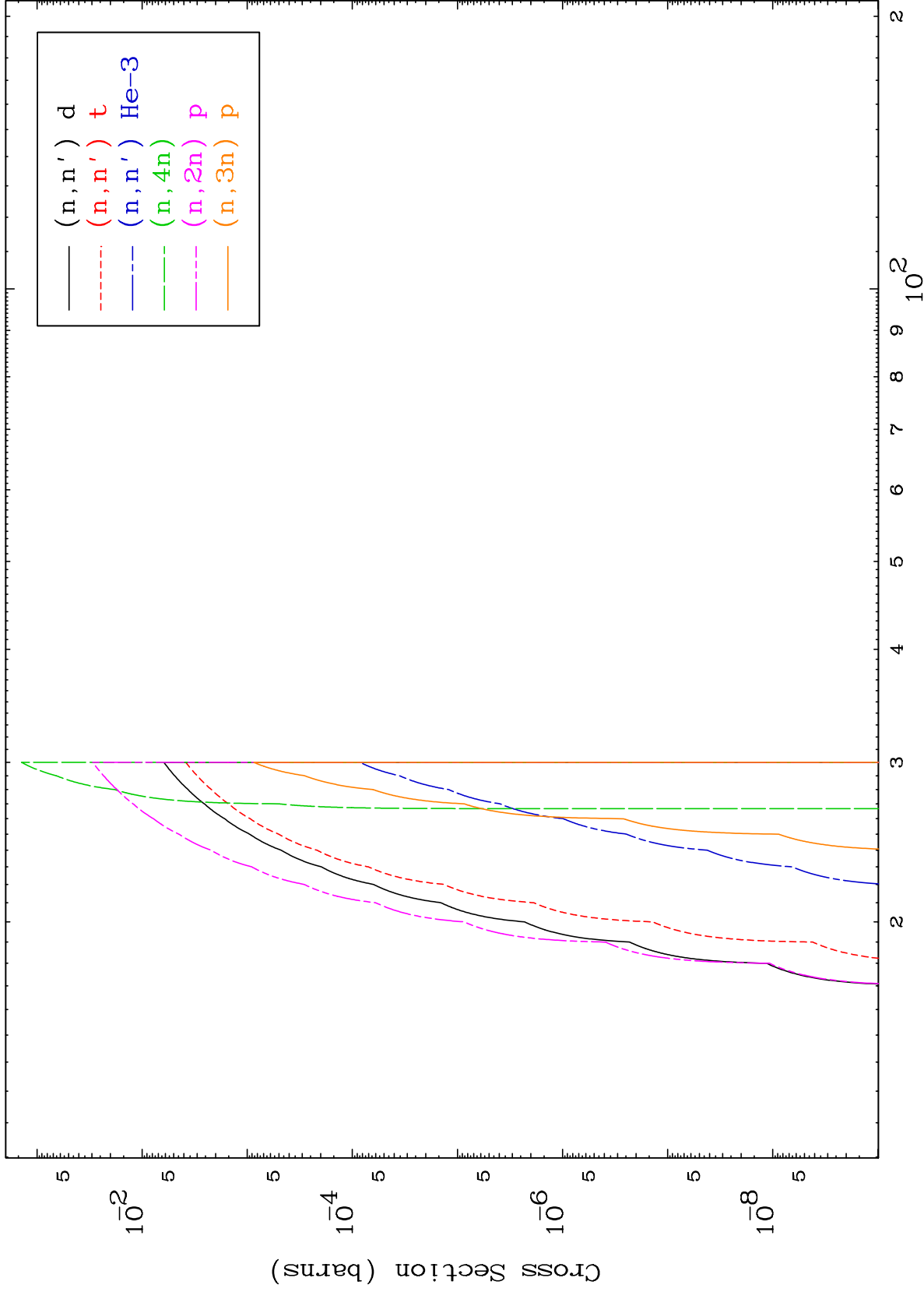


MAT 7019

Neutron Production  
293 Kelvin Cross Sections

70-Yb-166

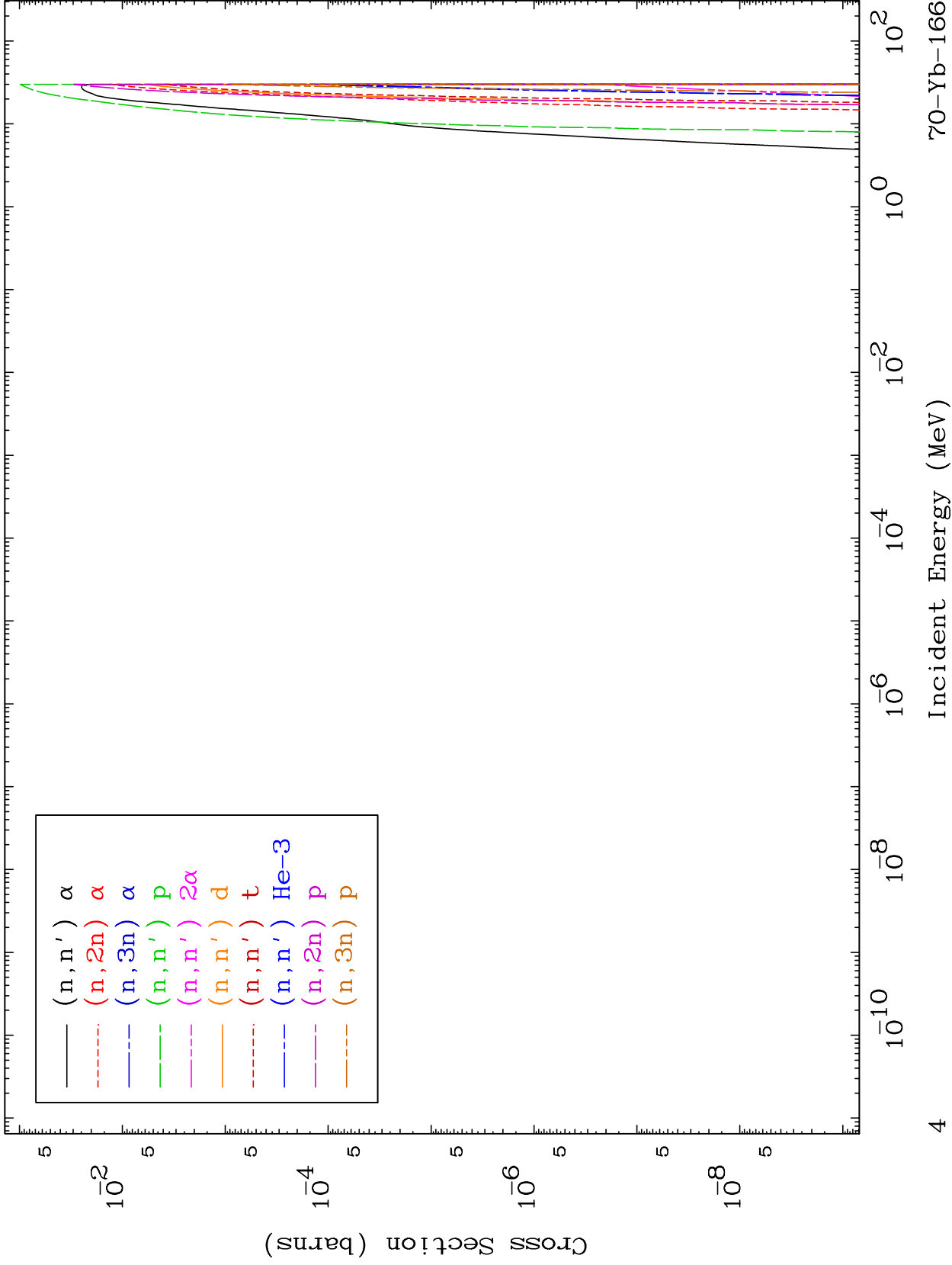




MAT 7019

Charged Particle  
293 Kelvin Cross Sections

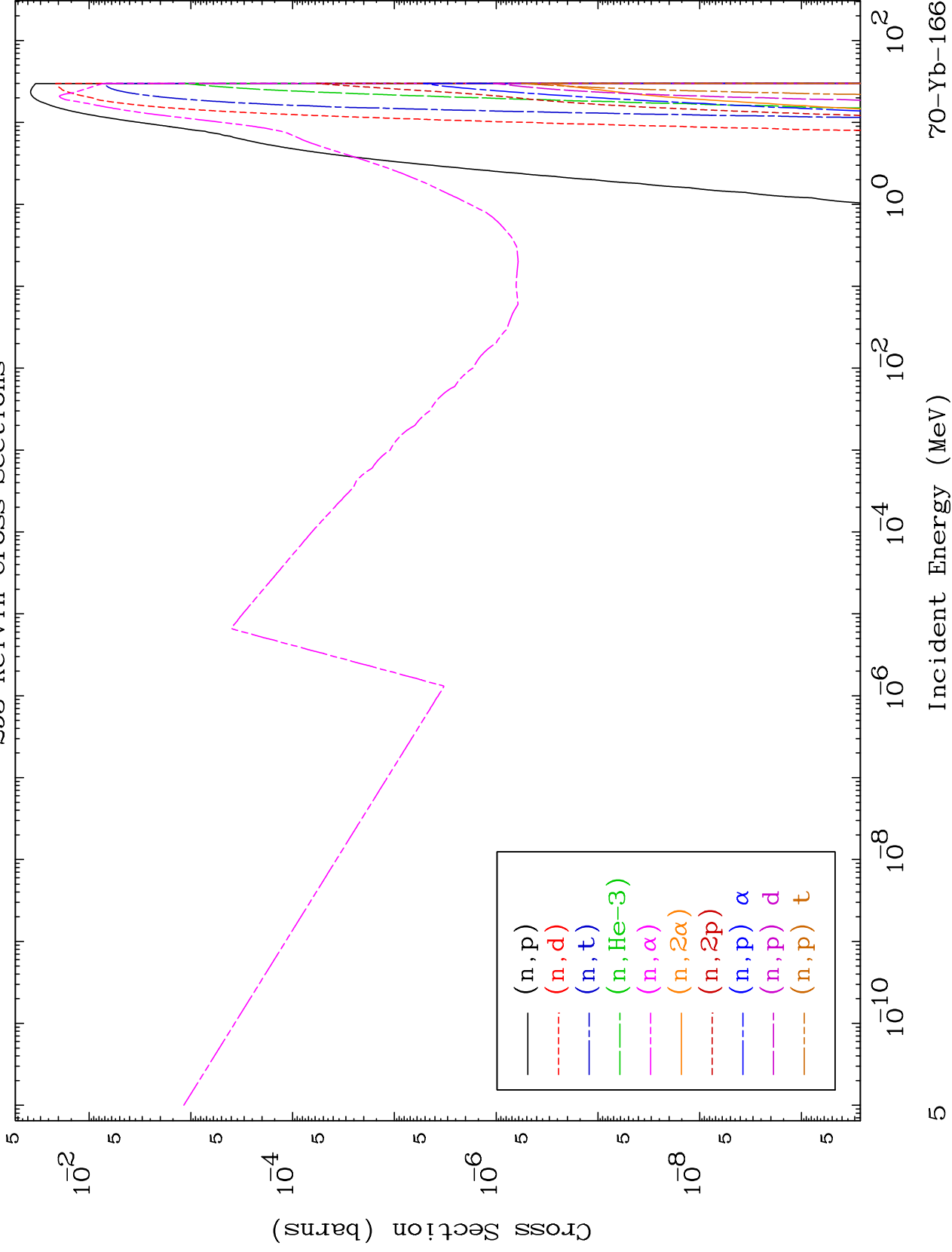
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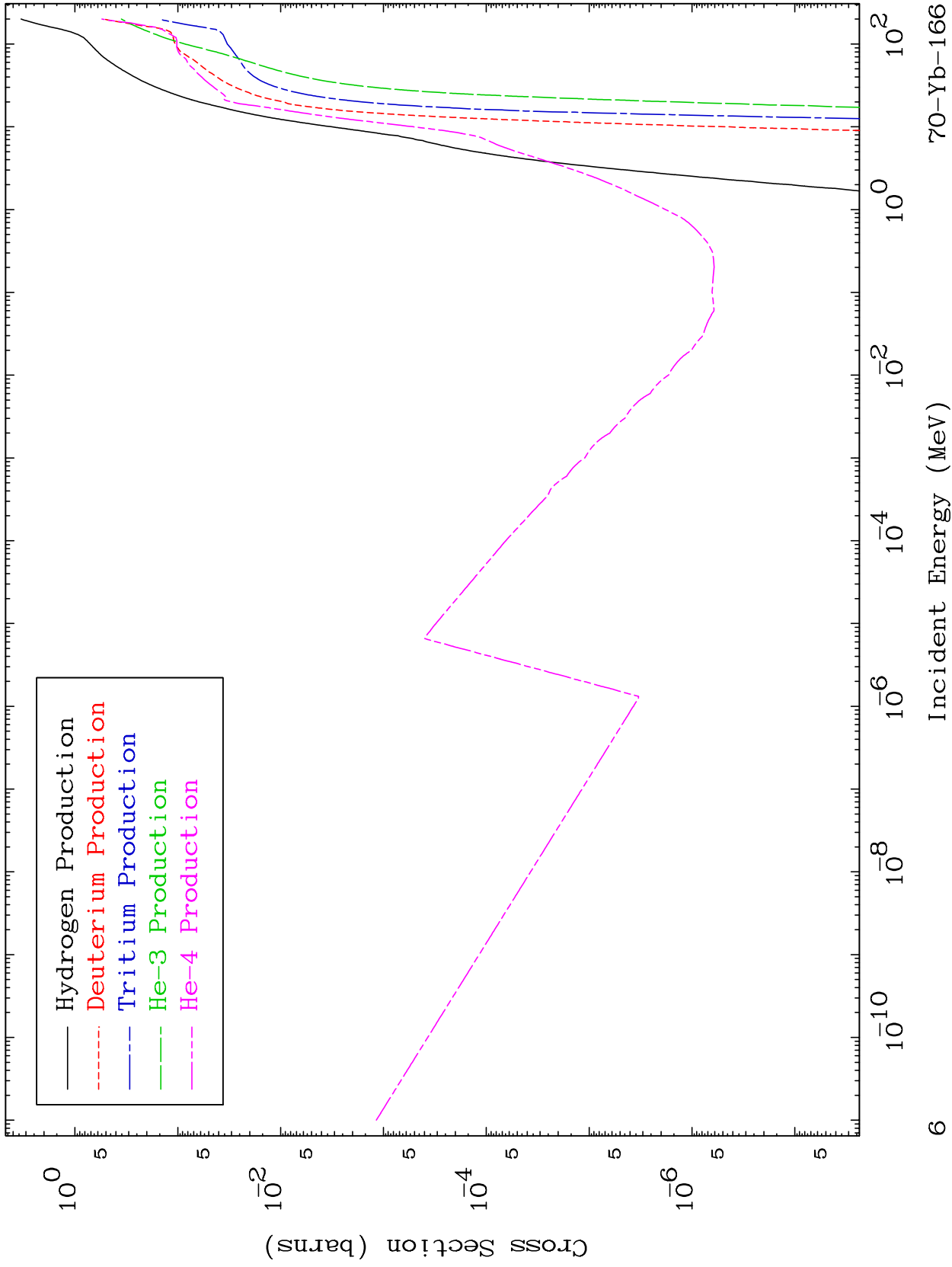


MAT 7019

Charged Particle  
293 Kelvin Cross Sections

70-Yb-166



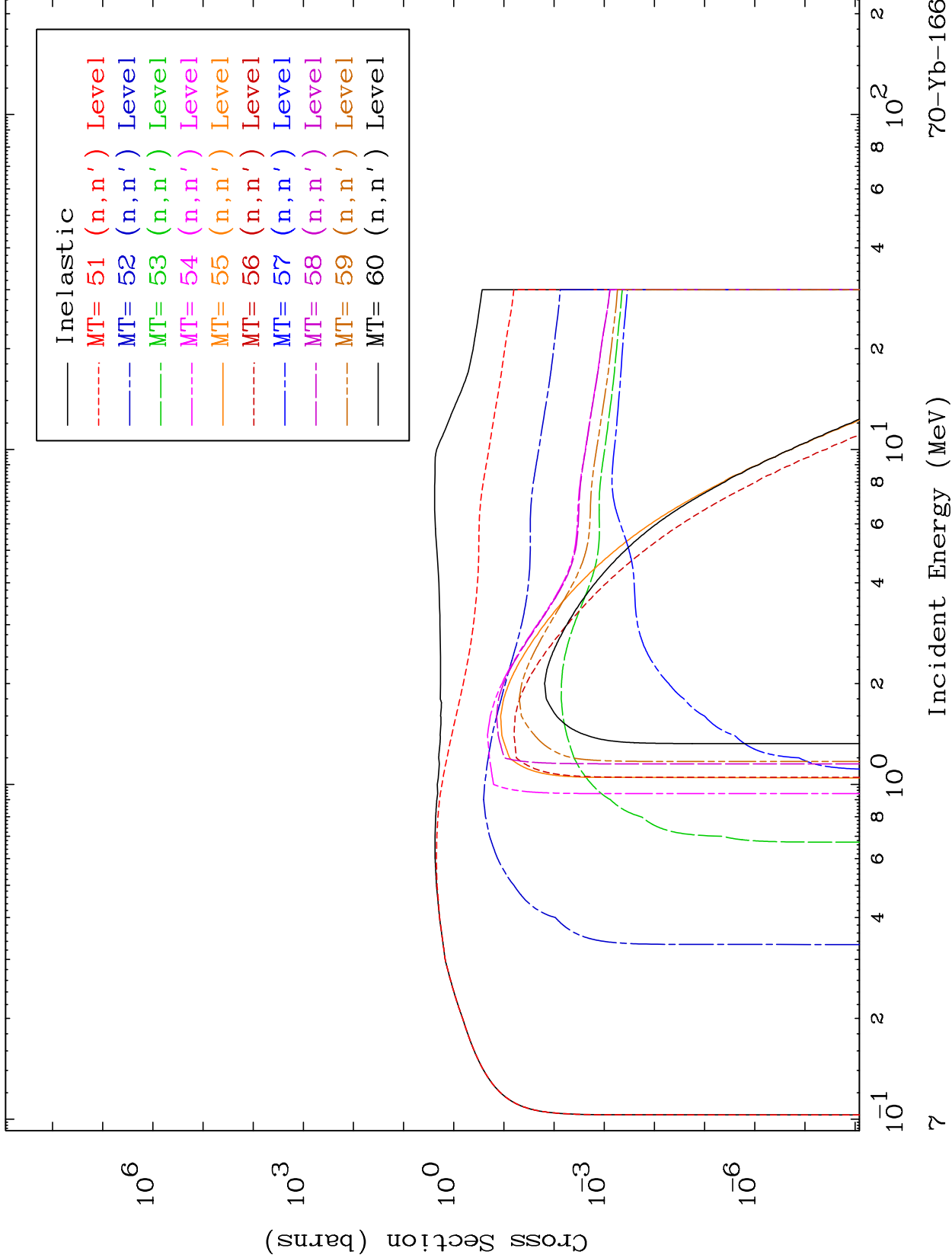


MAT 7019

(n,n') Level

70-Yb-166

293 Kelvin Cross Sections



Incident Energy (MeV)

70-Yb-166

7

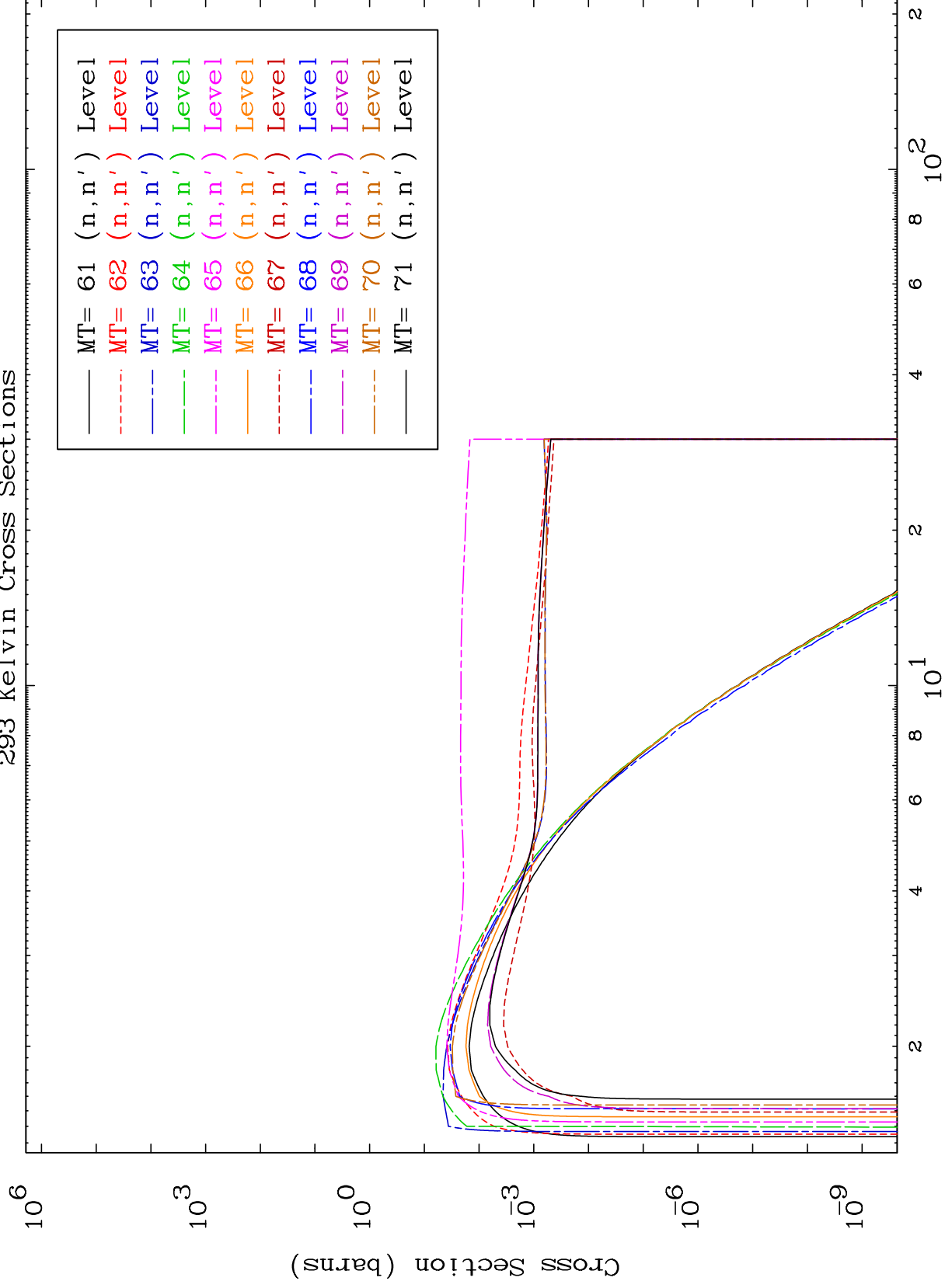


MAT 7019

(n,n') Level

70-Yb-166

293 Kelvin Cross Sections

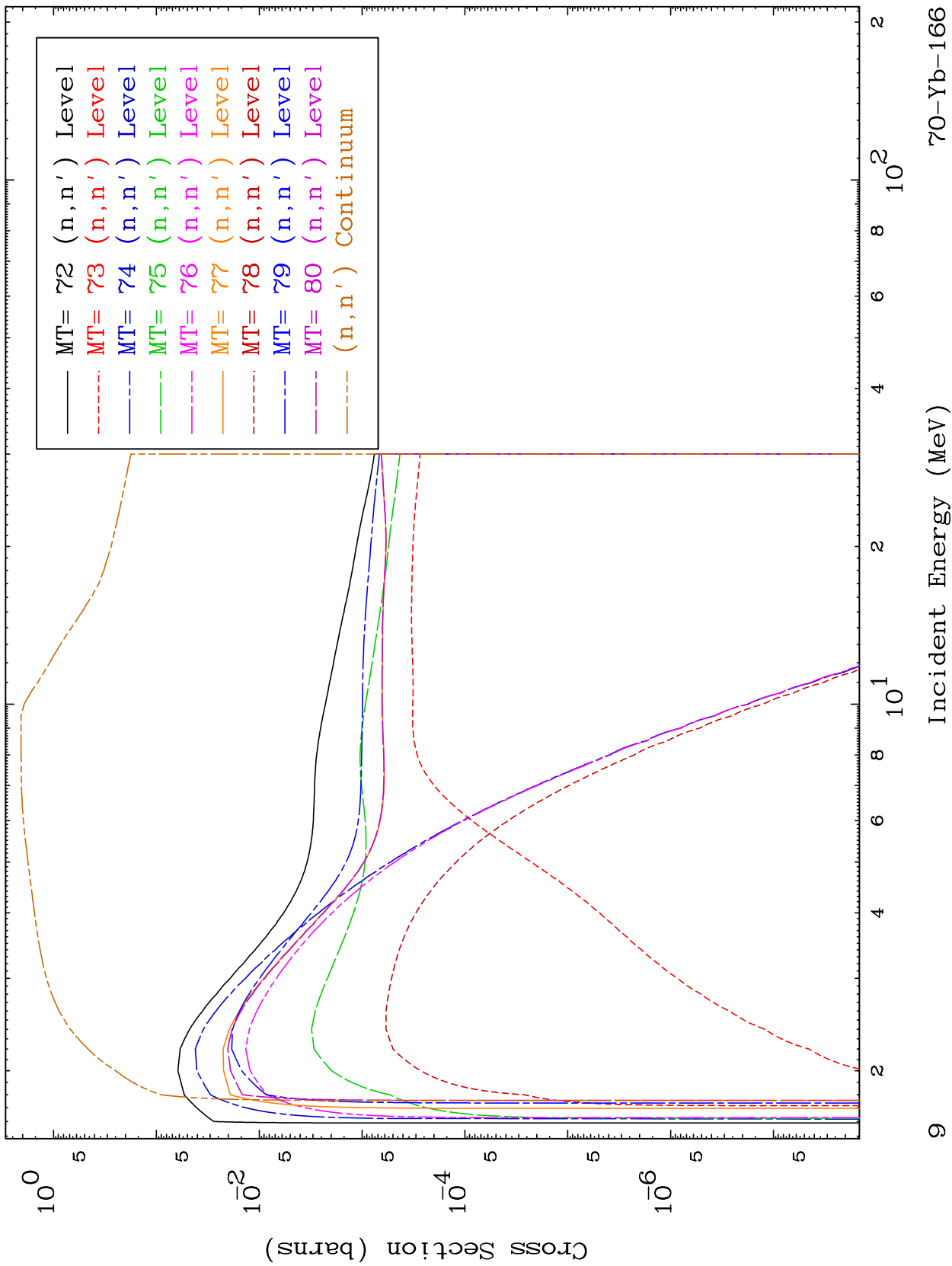


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Incident Energy (MeV)

70-Yb-166

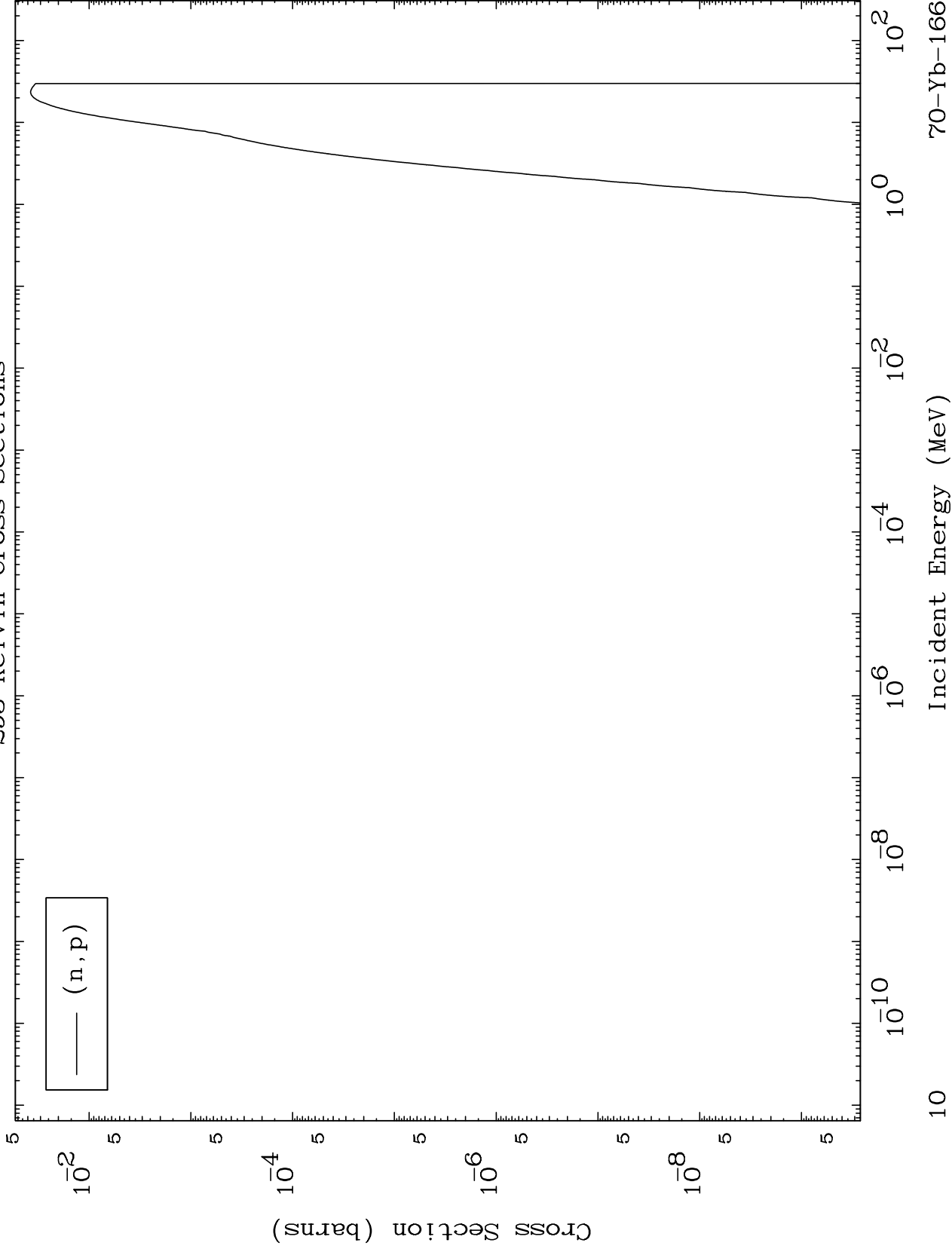
293 Kelvin Cross Sections



MAT 7019

(n,p) Levels  
293 Kelvin Cross Sections

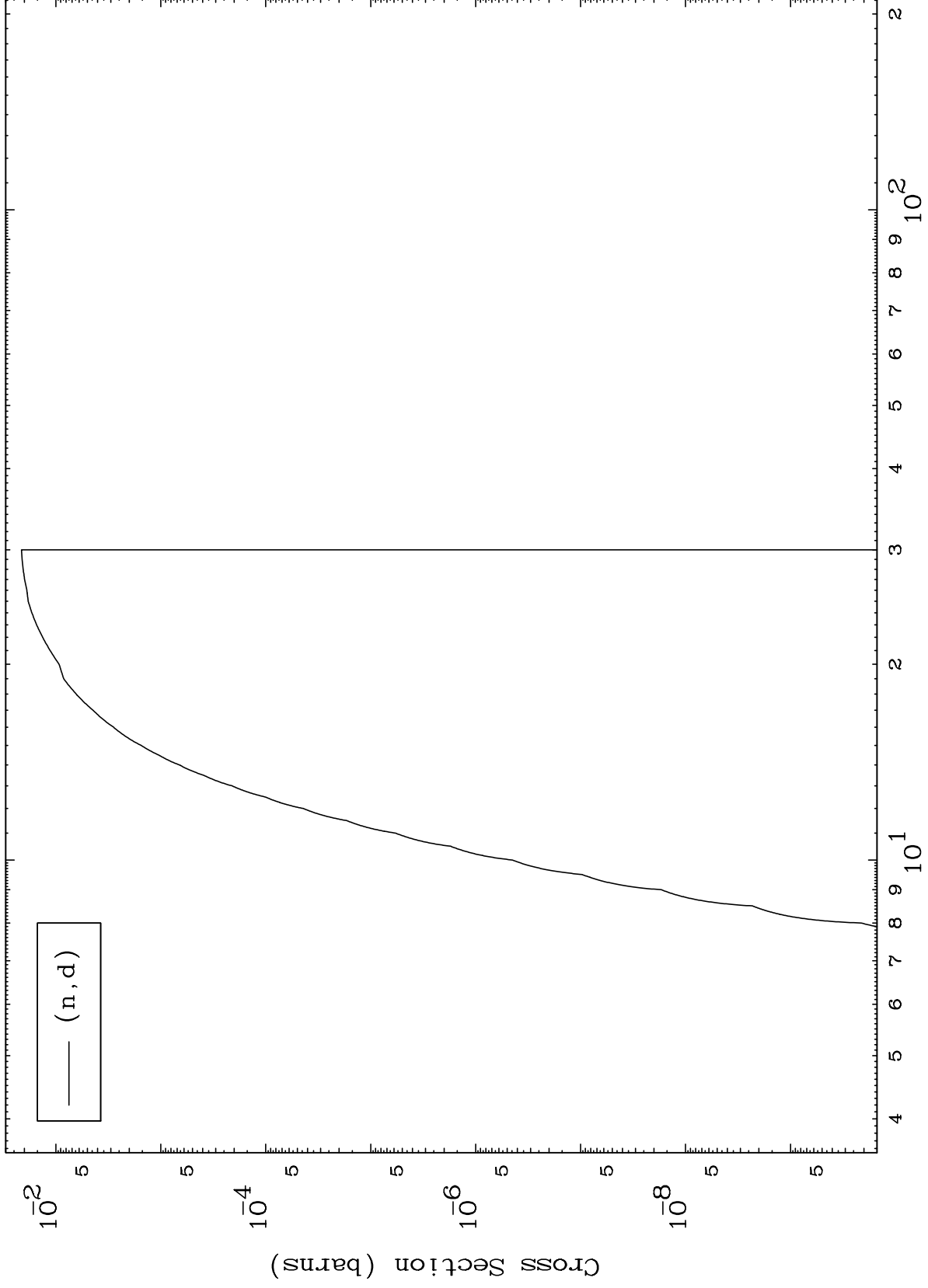
70-Yb-166



MAT 7019

(n,d) Levels  
293 Kelvin Cross Sections

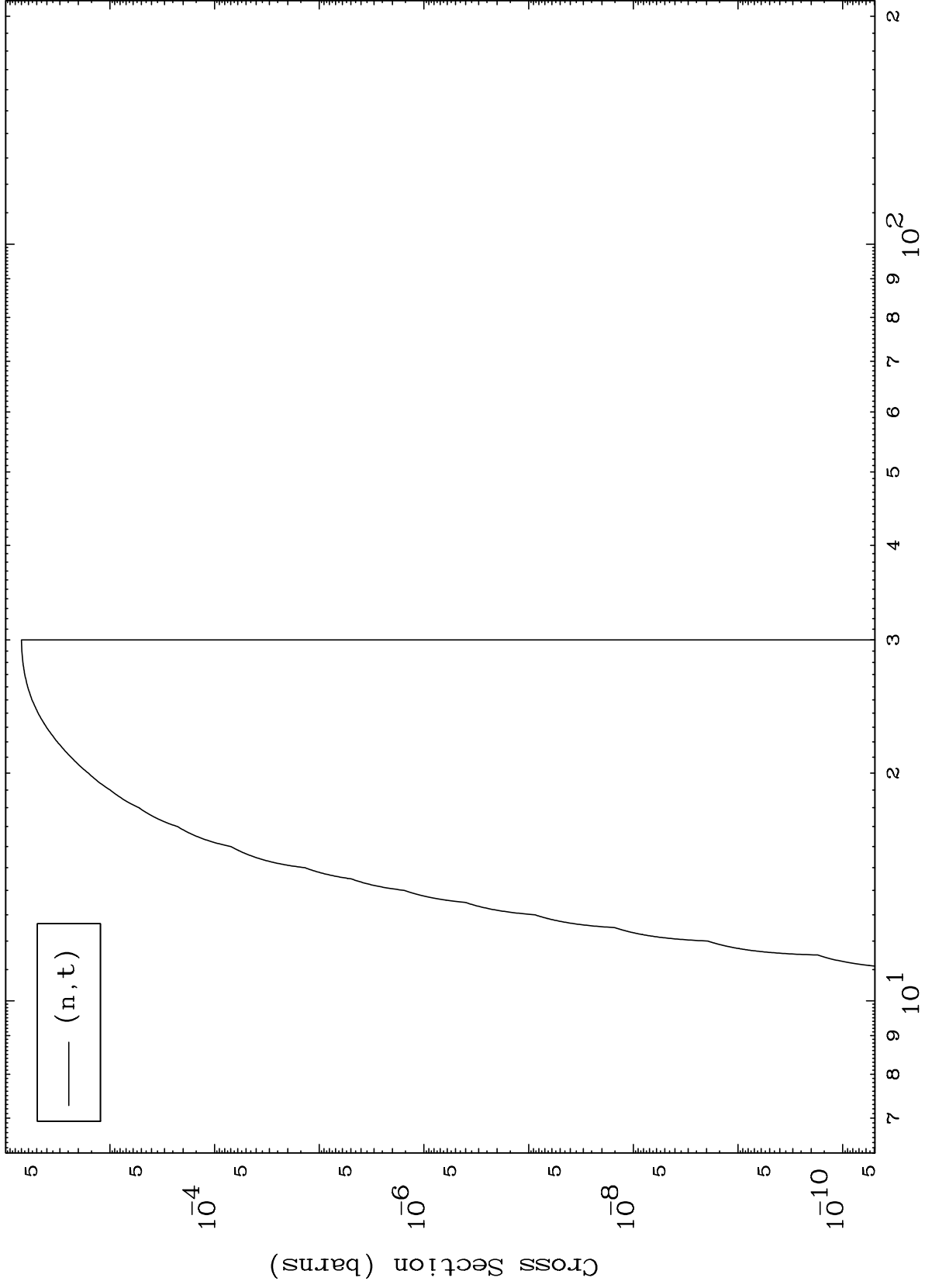
70-Yb-166



MAT 7019

(n,t) Levels  
293 Kelvin Cross Sections

70-Yb-166



12

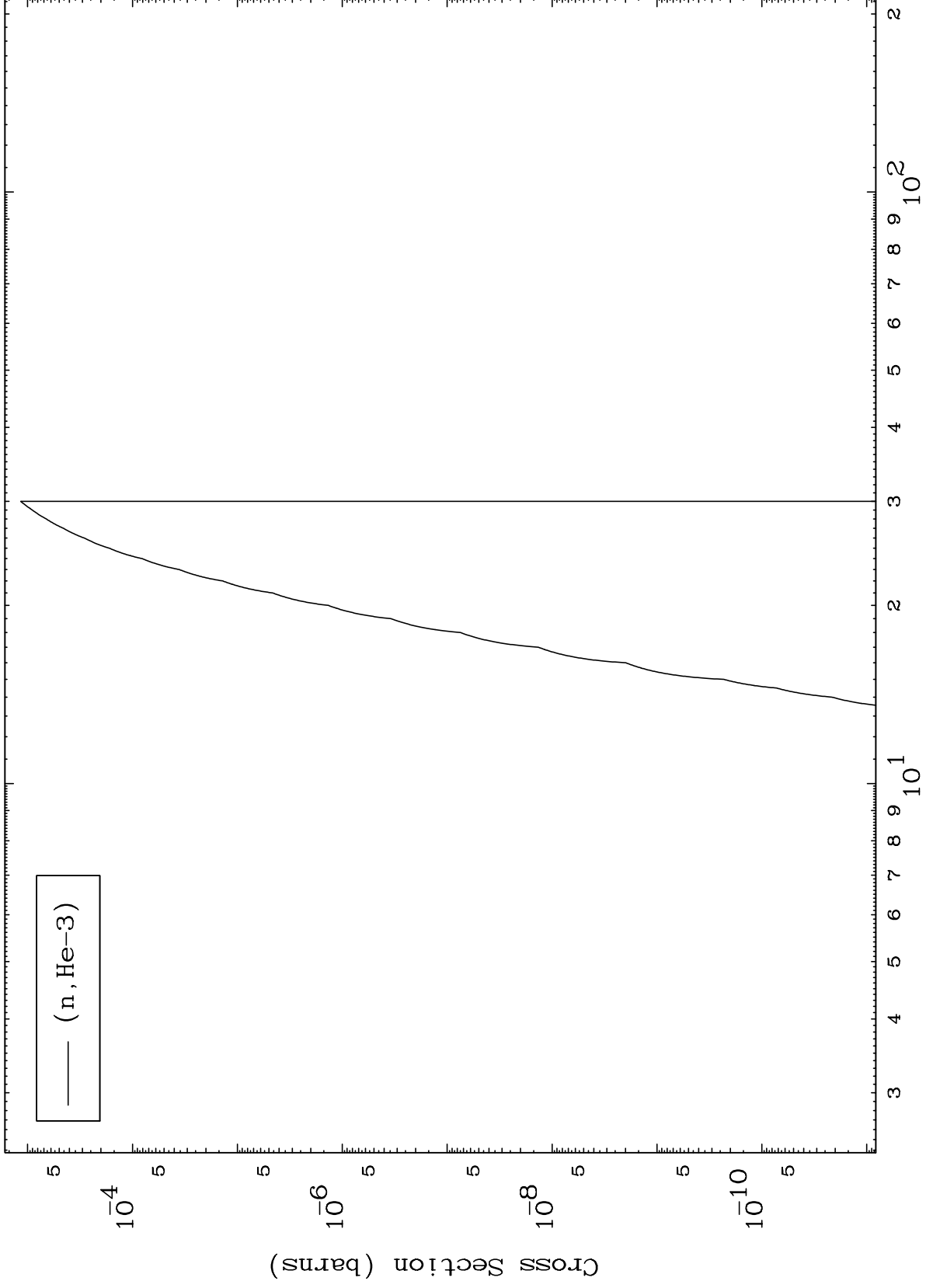
Incident Energy (MeV)

70-Yb-166

MAT 7019

(n,He3) Levels  
293 Kelvin Cross Sections

70-Yb-166



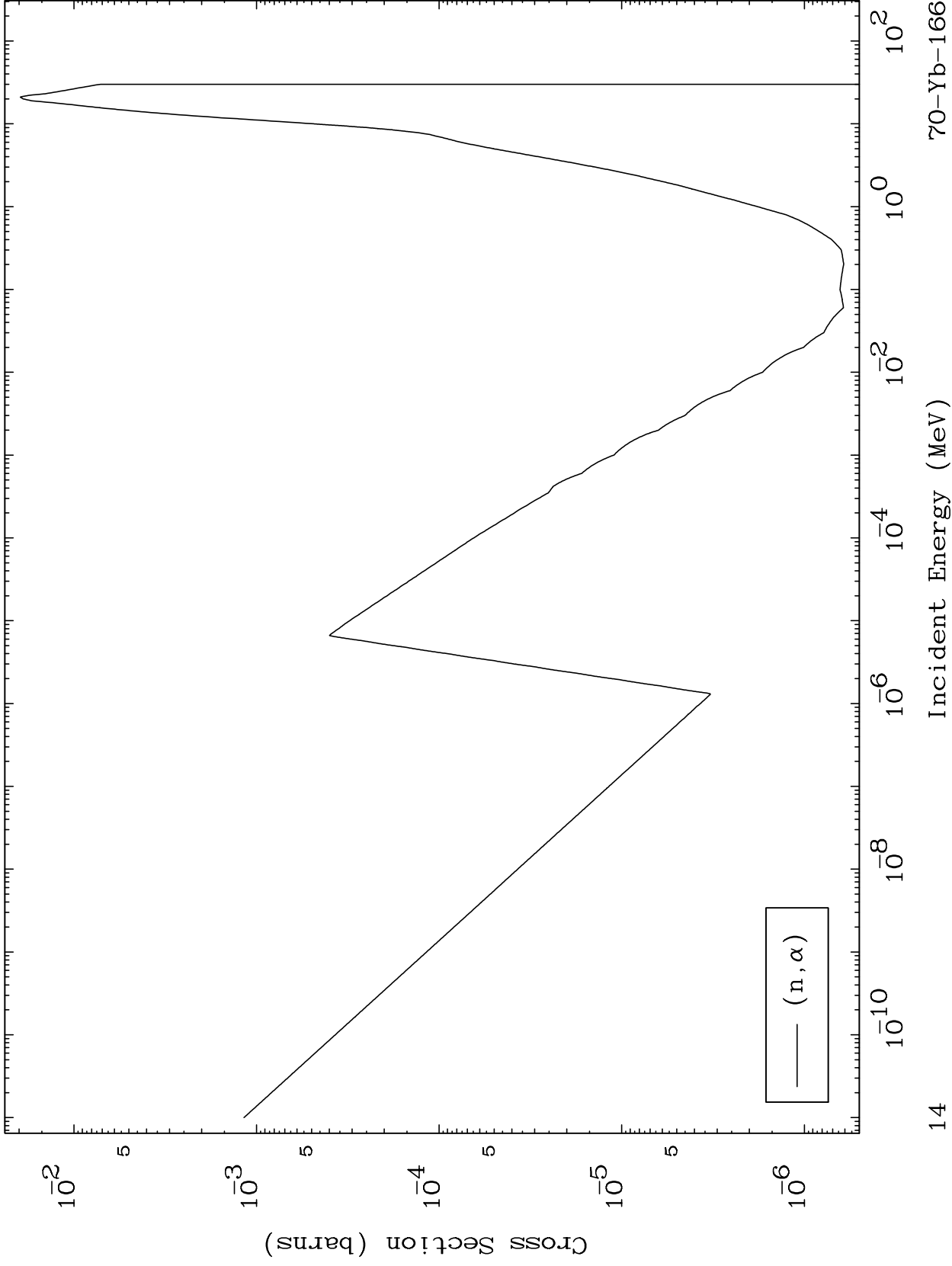
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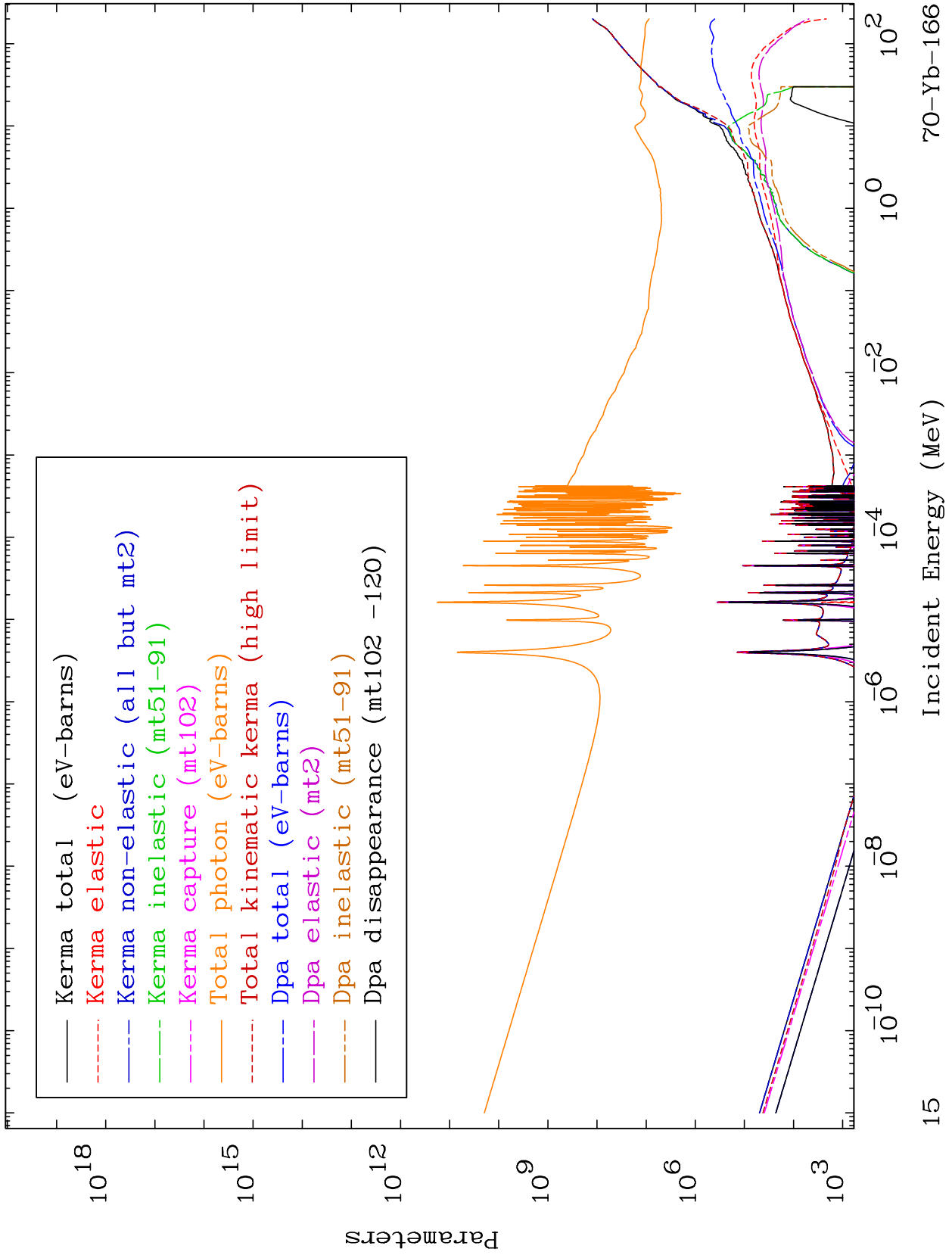
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MAT 7019

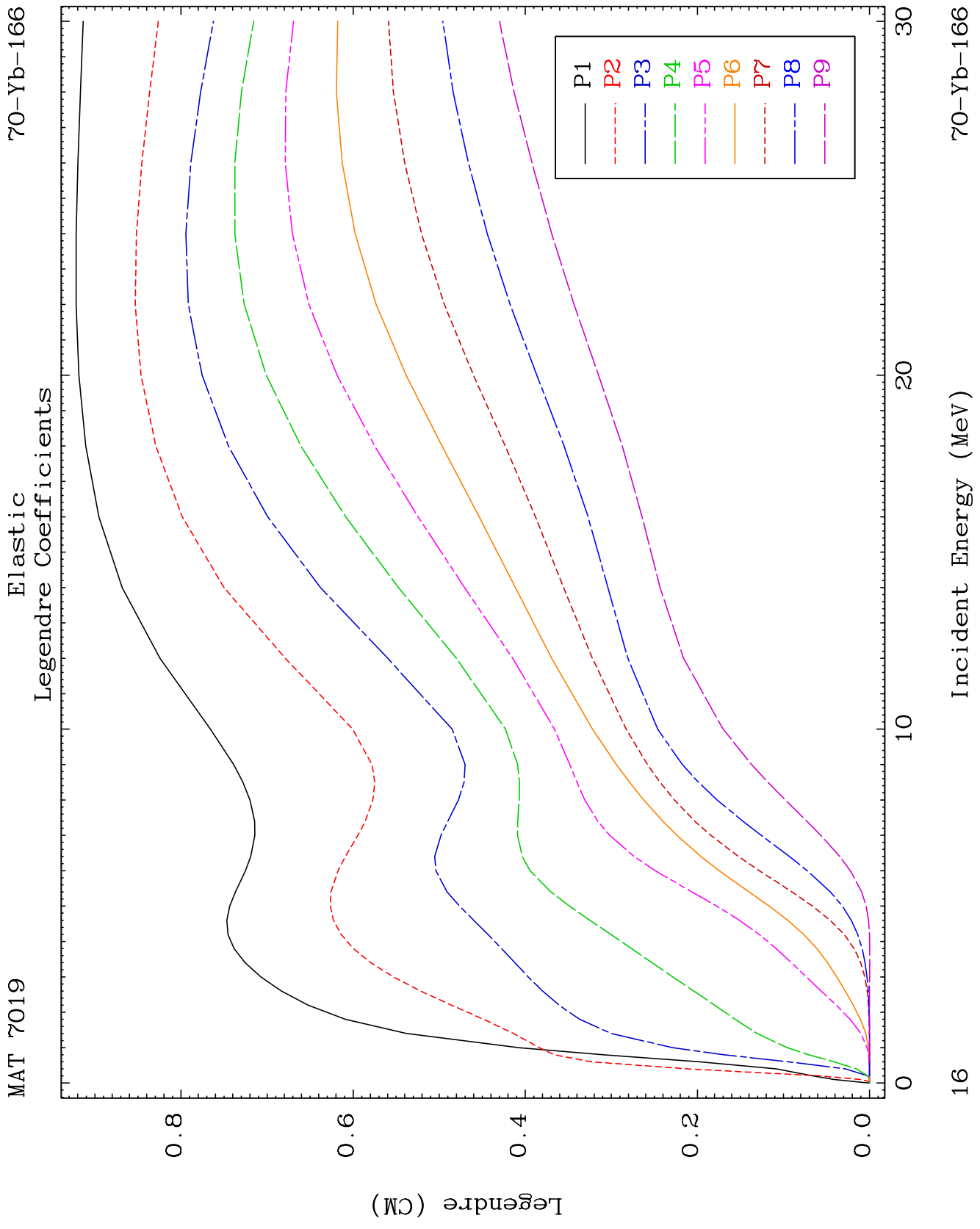
(n,α) Levels  
293 Kelvin Cross Sections

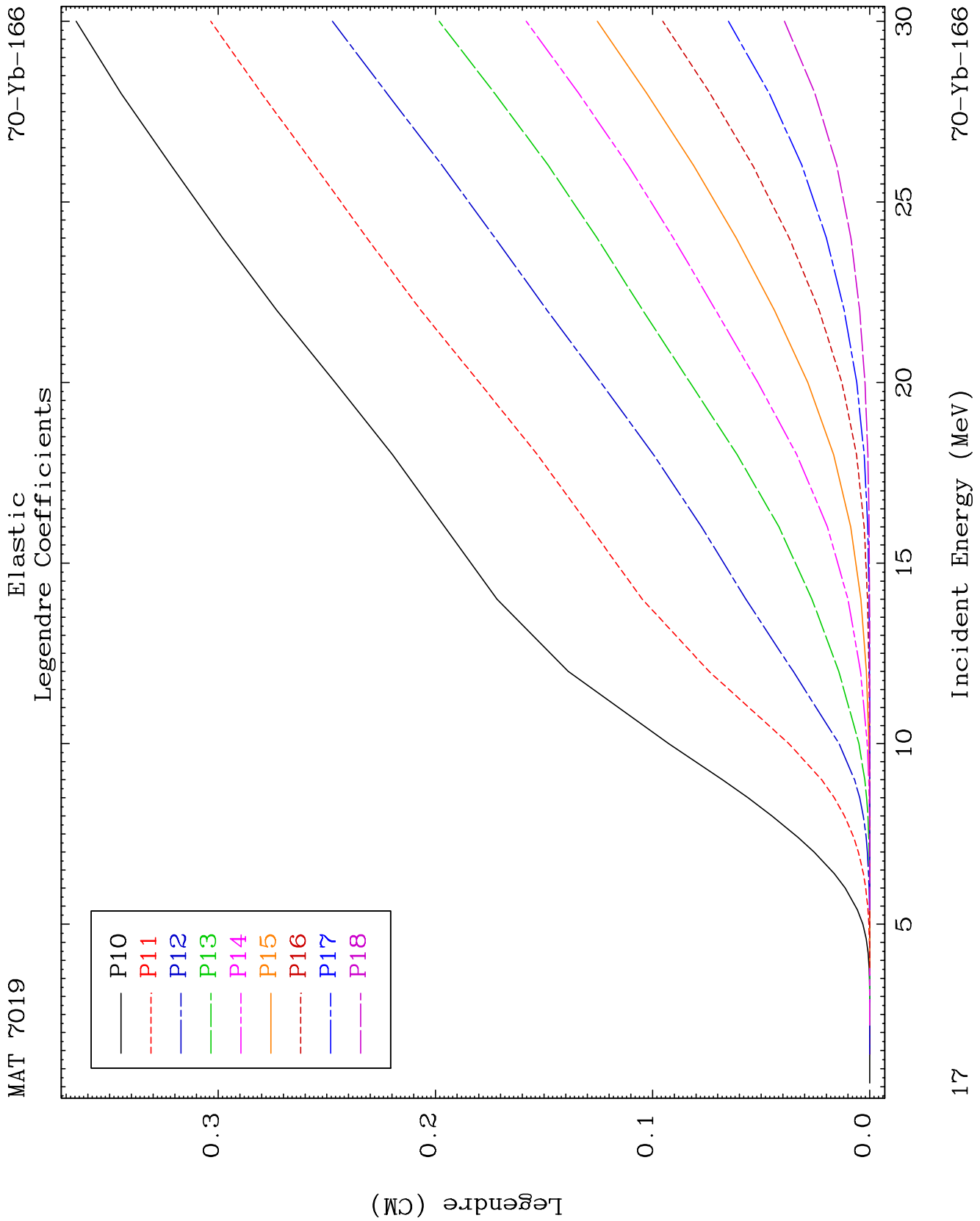
70-Yb-166











MAT 7019

Elastic Legendre Coefficients

70-Yb-166

17

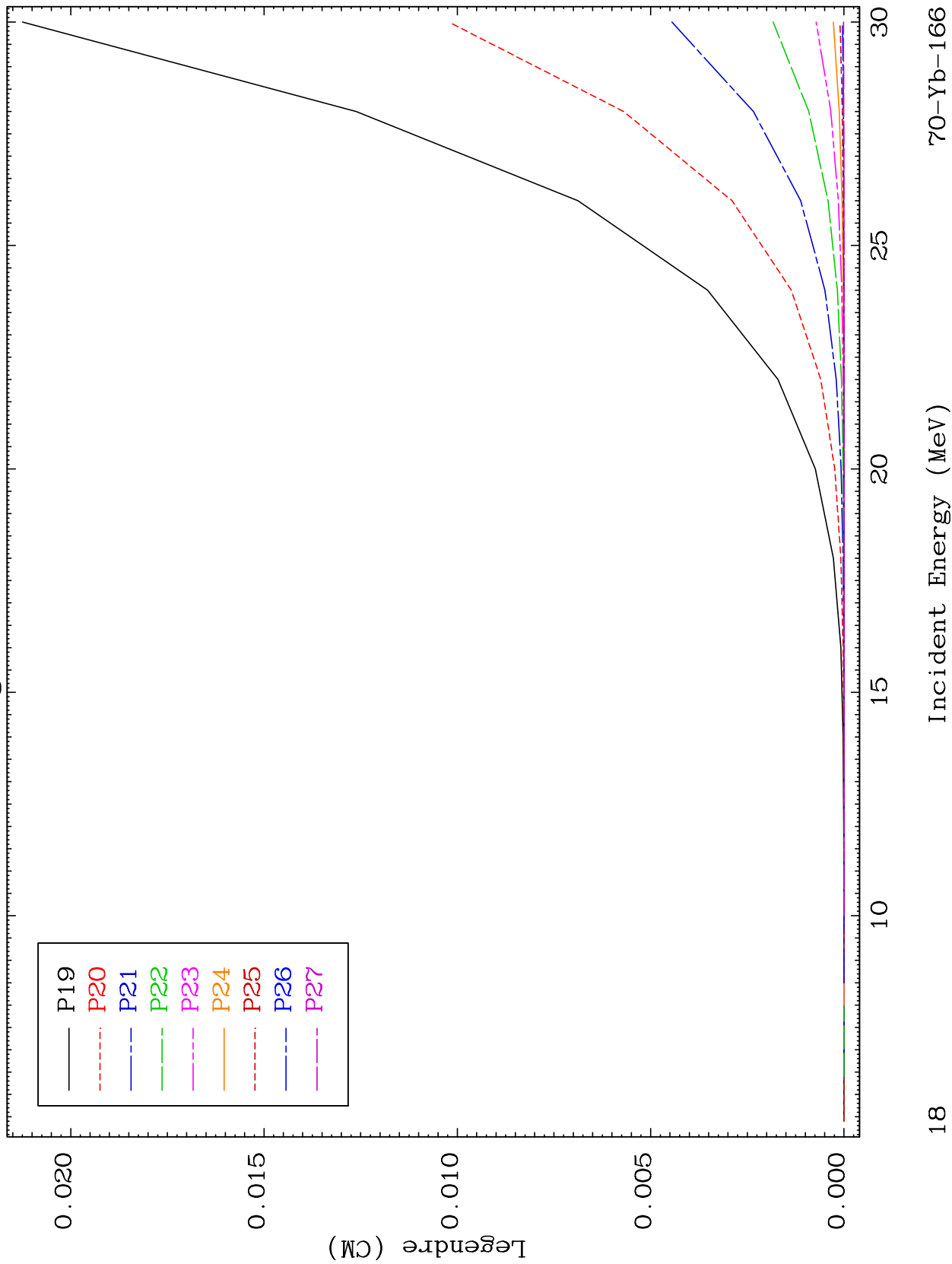
Incident Energy (MeV)

70-Yb-166

MAT 7019

### Elastic Legendre Coefficients

70-Yb-166



18

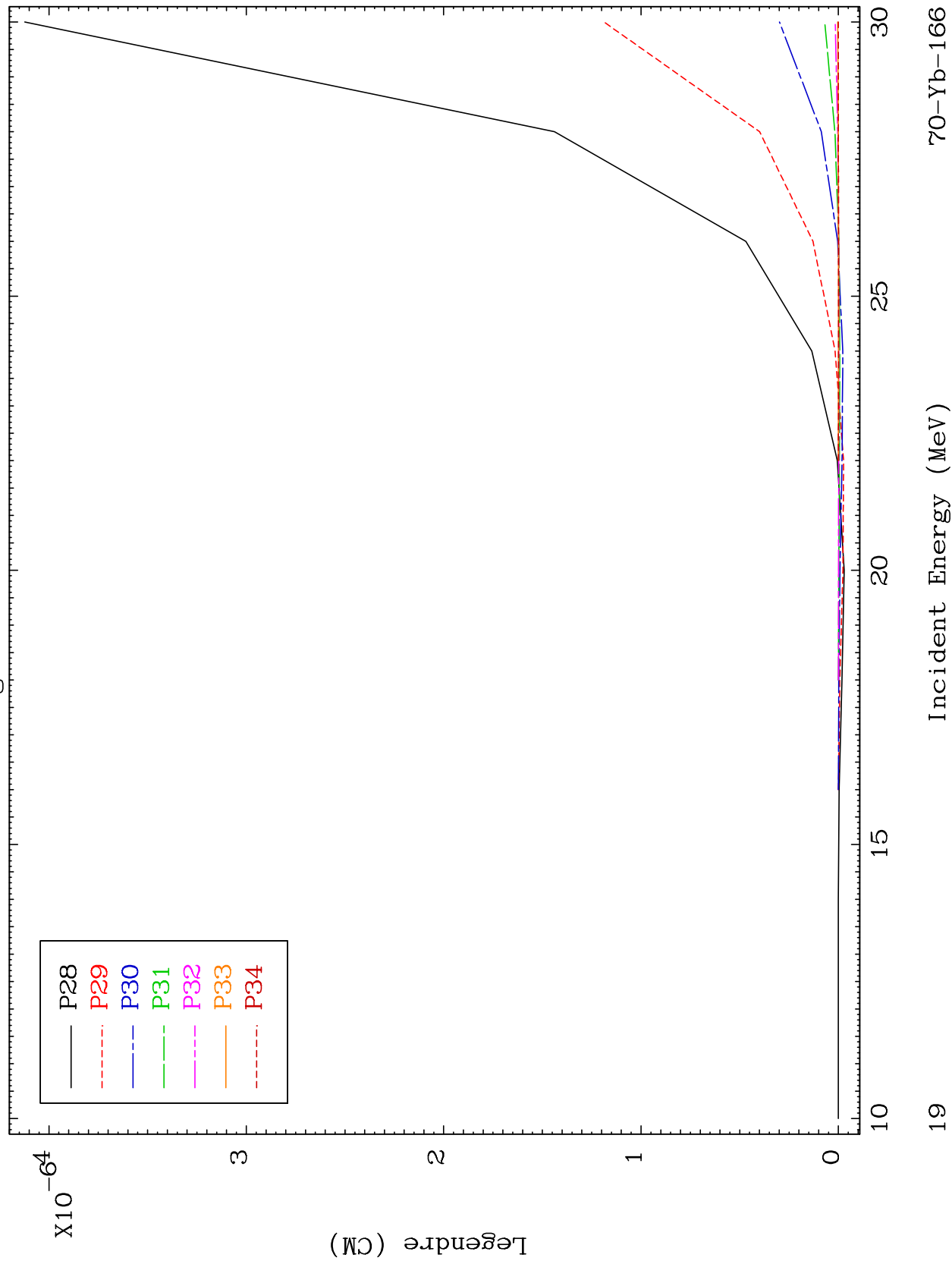
Incident Energy (MeV)

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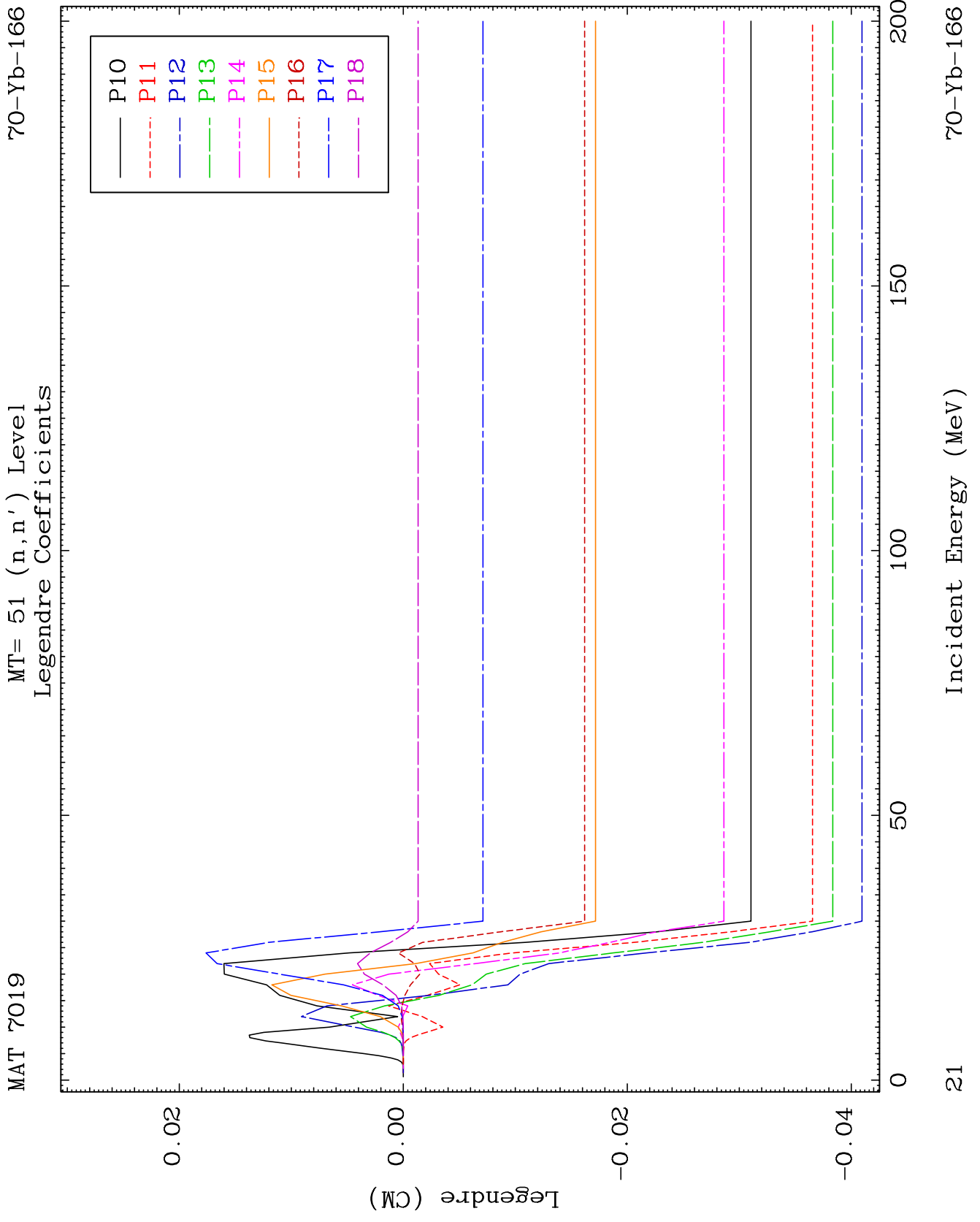
MAT 7019

Elastic  
Legendre Coefficients

70-Yb-166



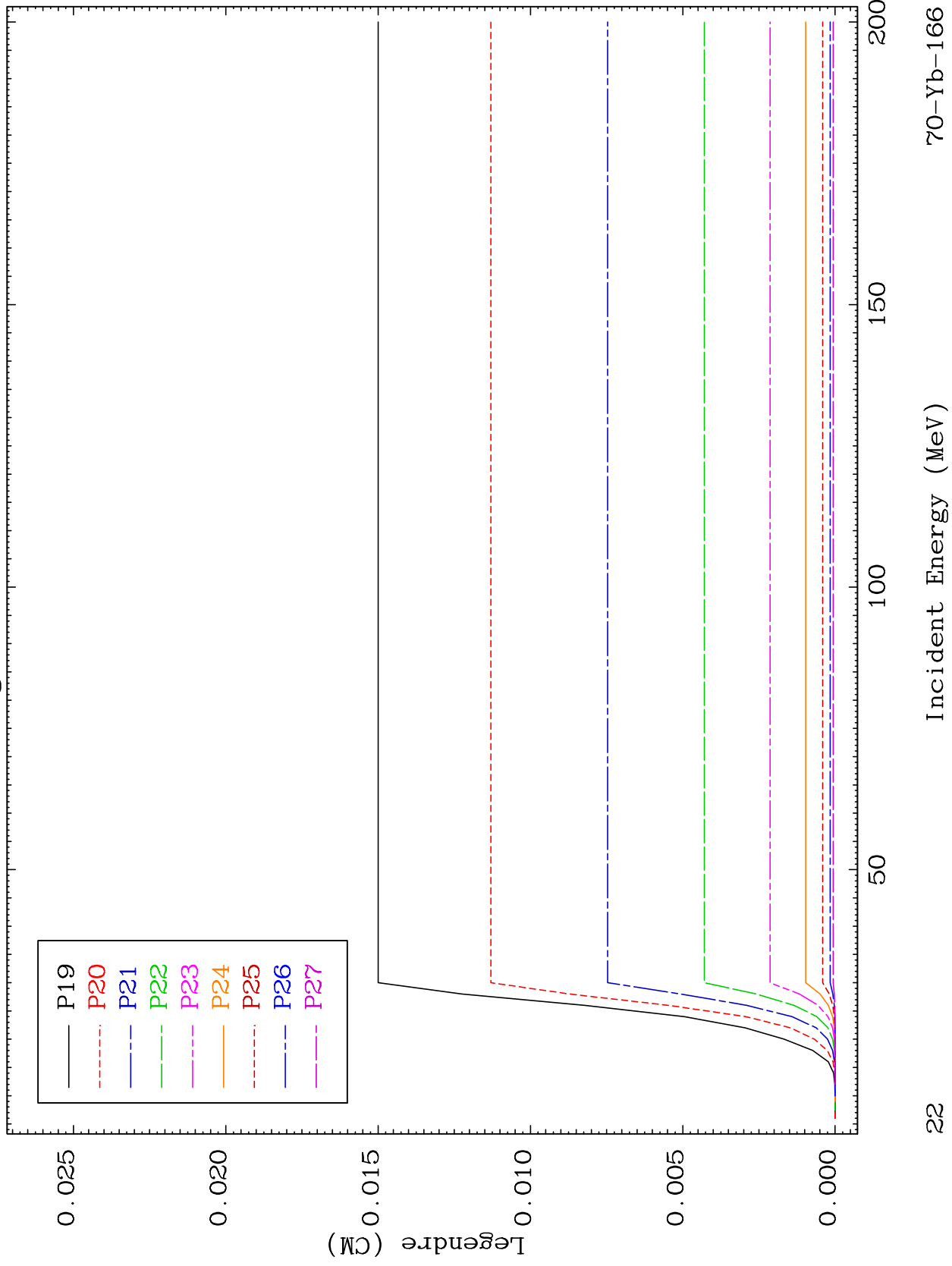


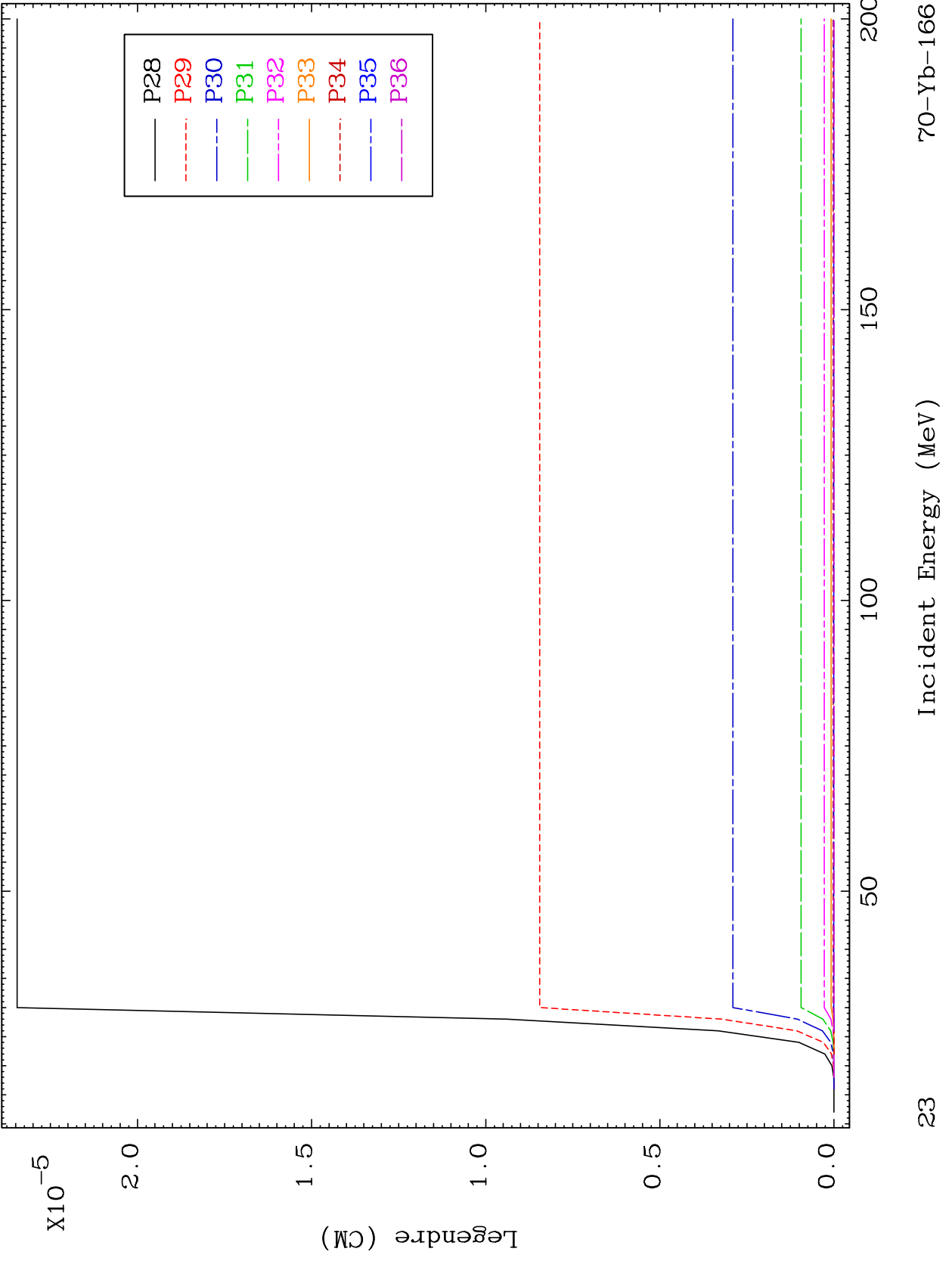


MAT 7019

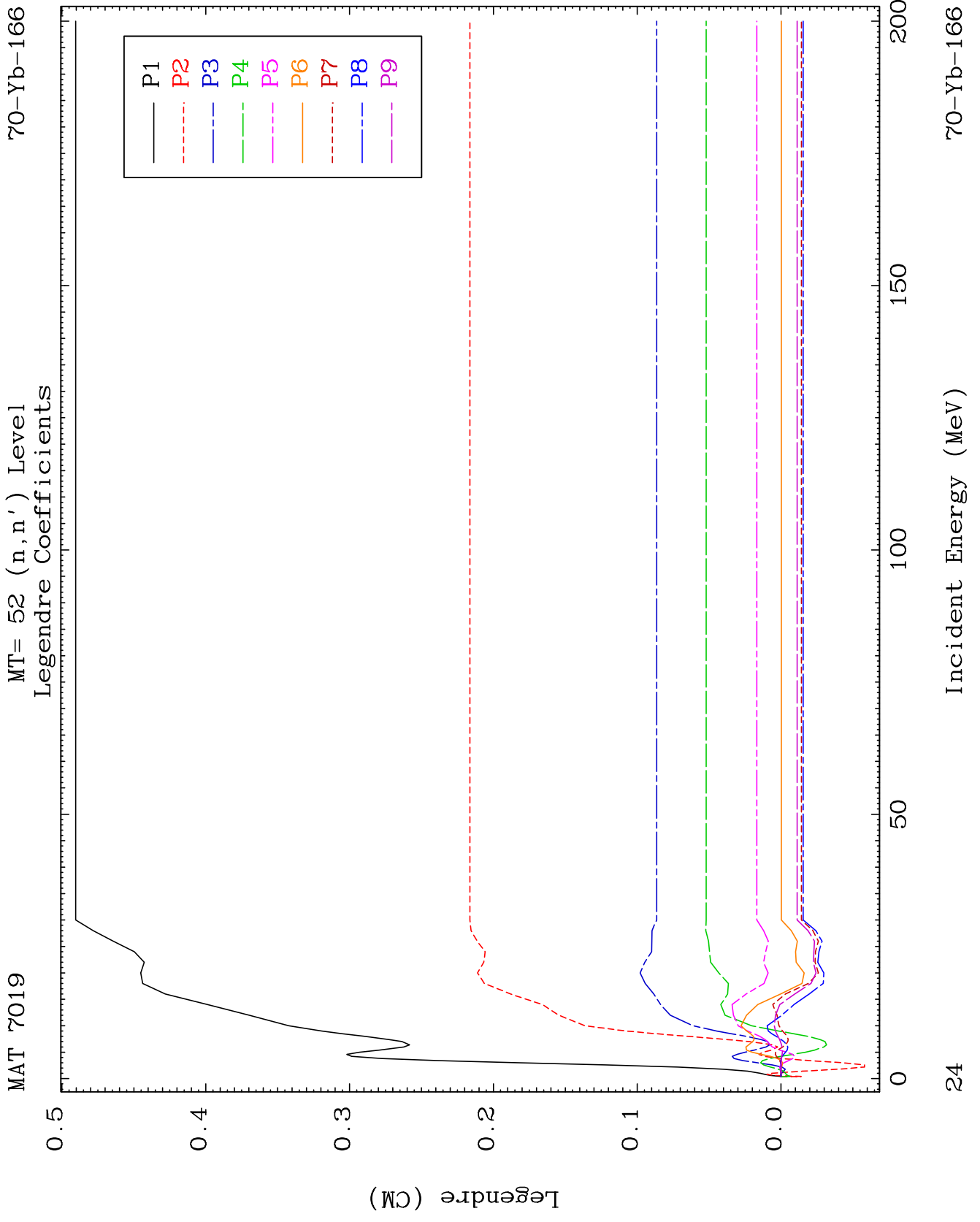
MT= 51 (n,n') Level  
Legendre Coefficients

70-Yb-166





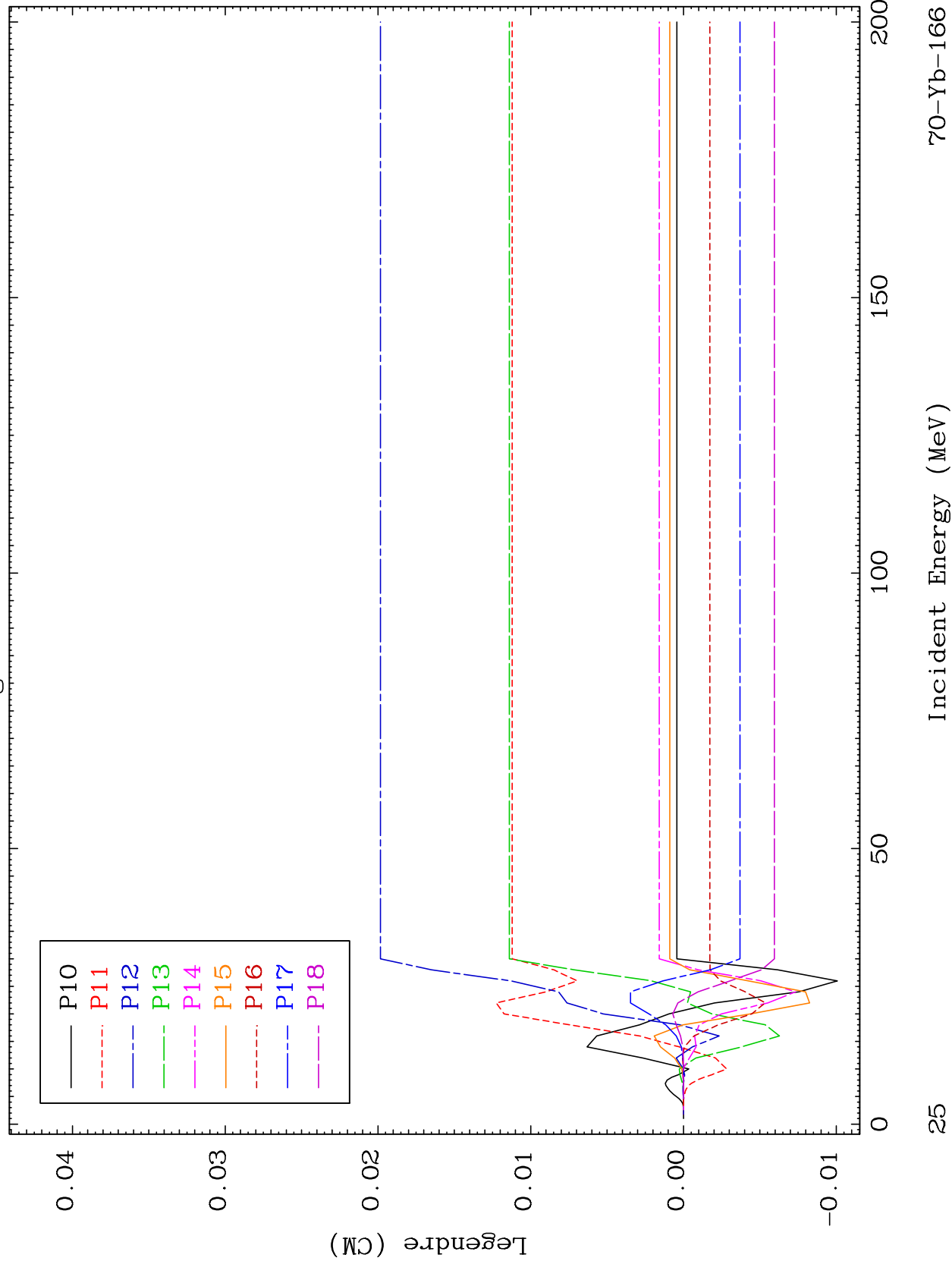


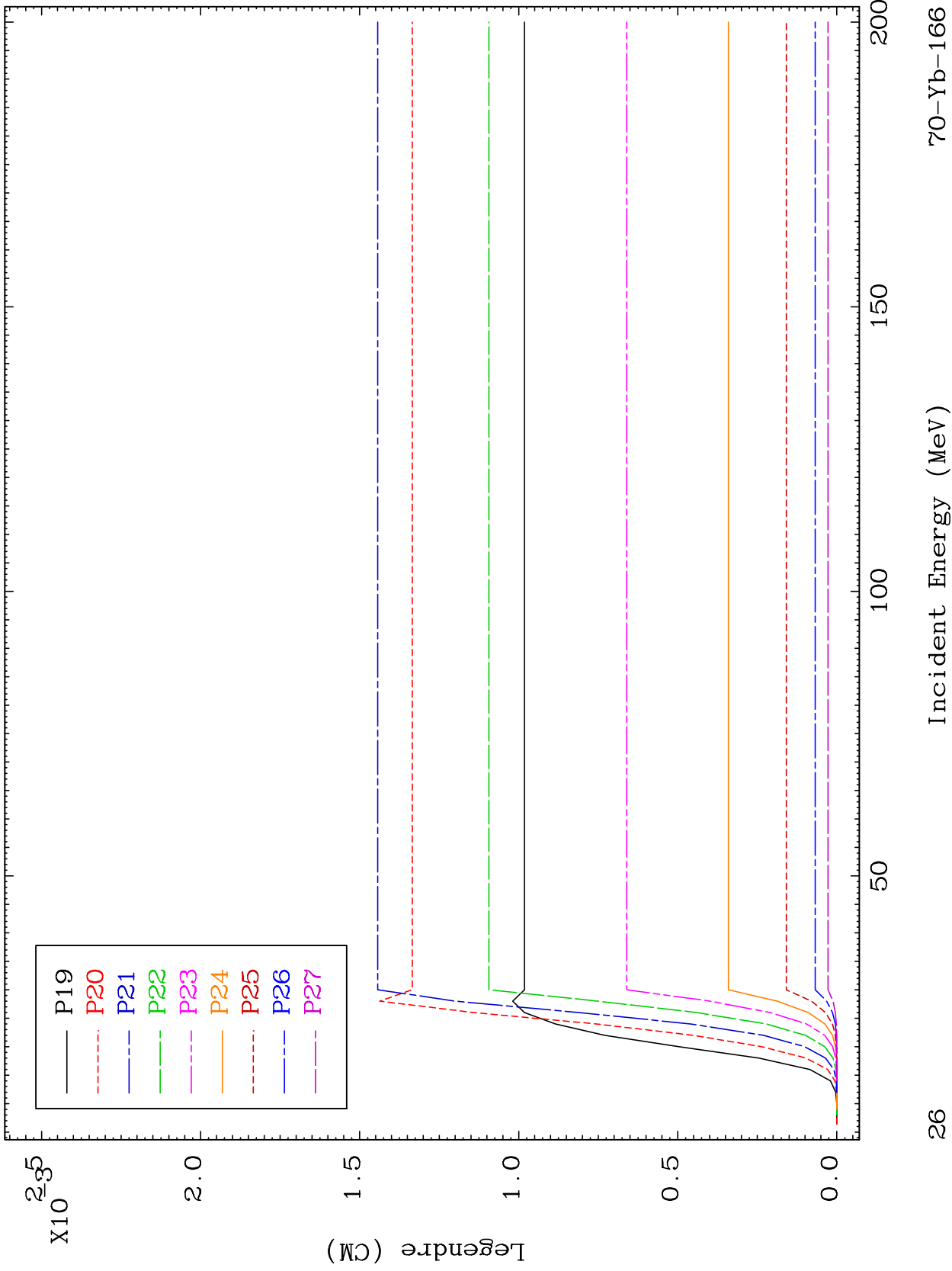


MAT 7019

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

70-Yb-166

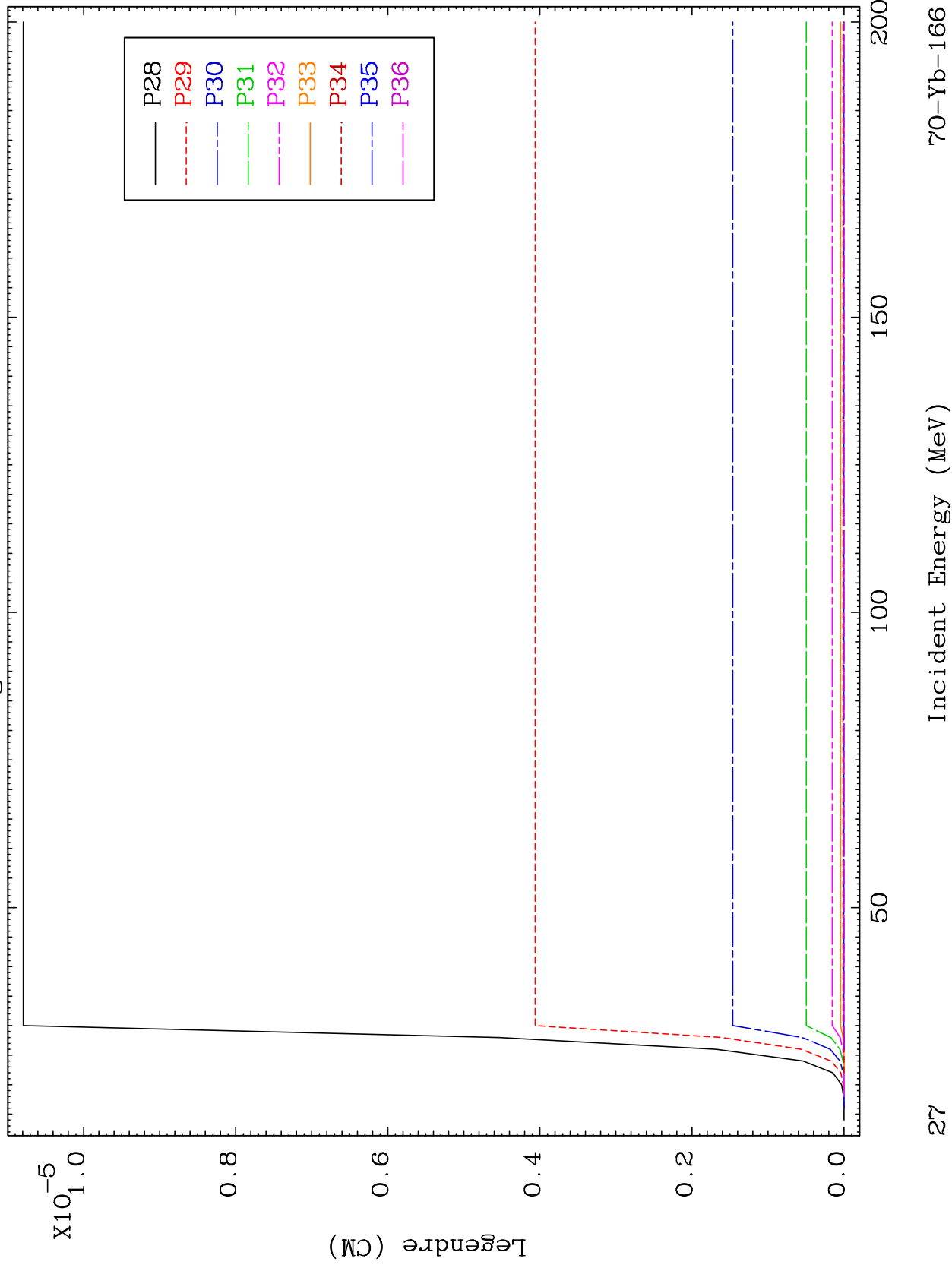




MAT 7019

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

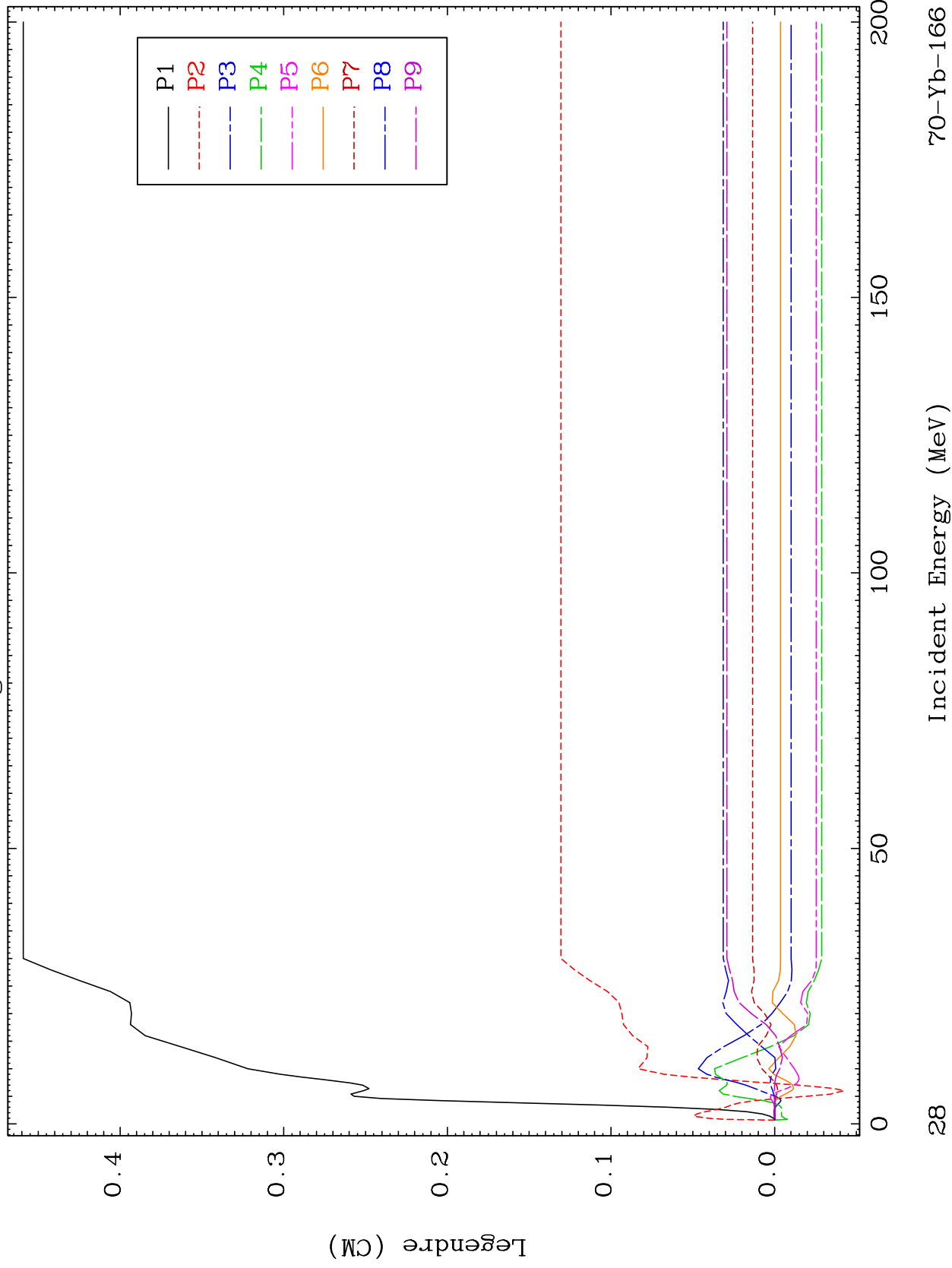
70-Yb-166



MAT 7019

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

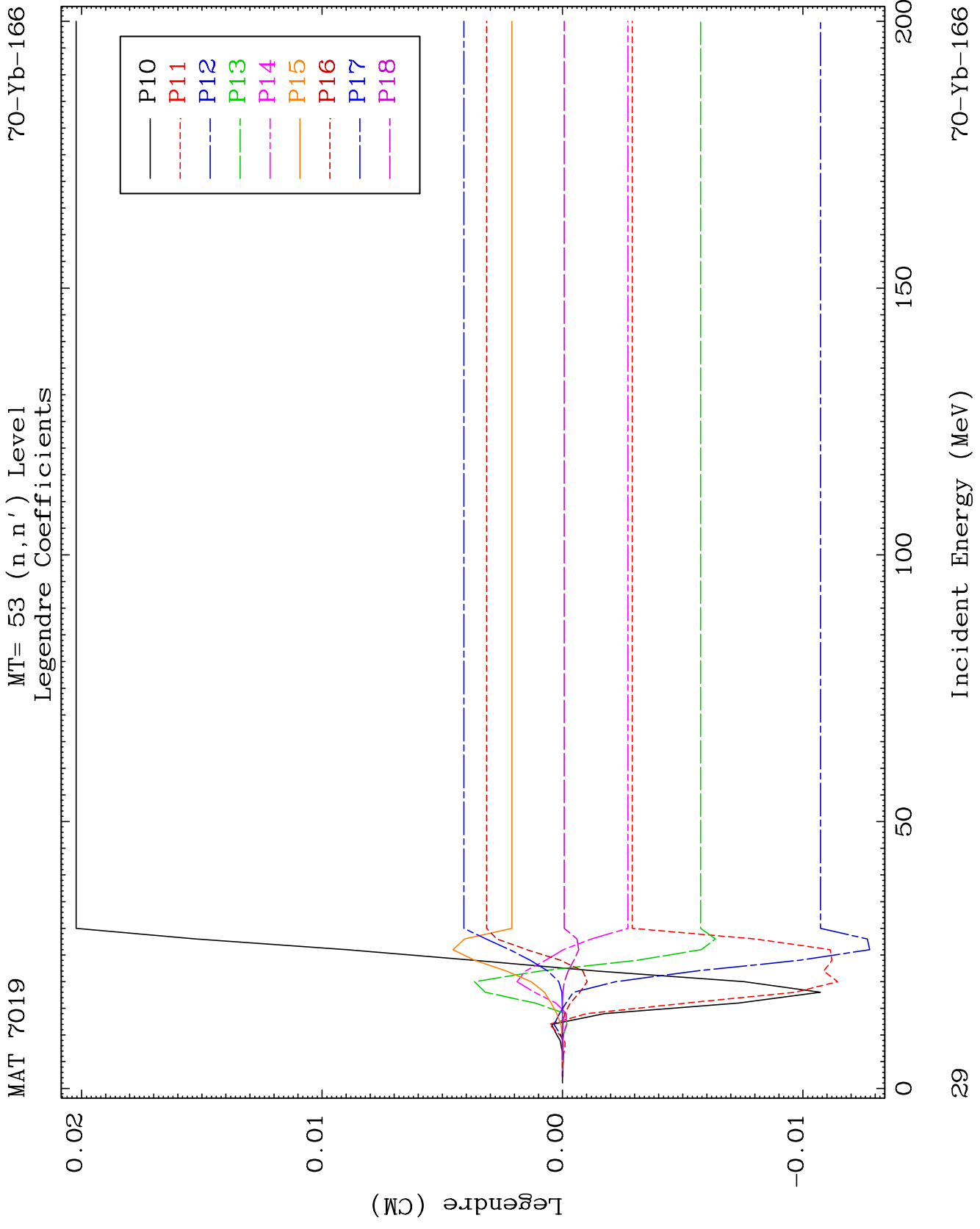
70-Yb-166



70-Yb-166

Incident Energy (MeV)

28

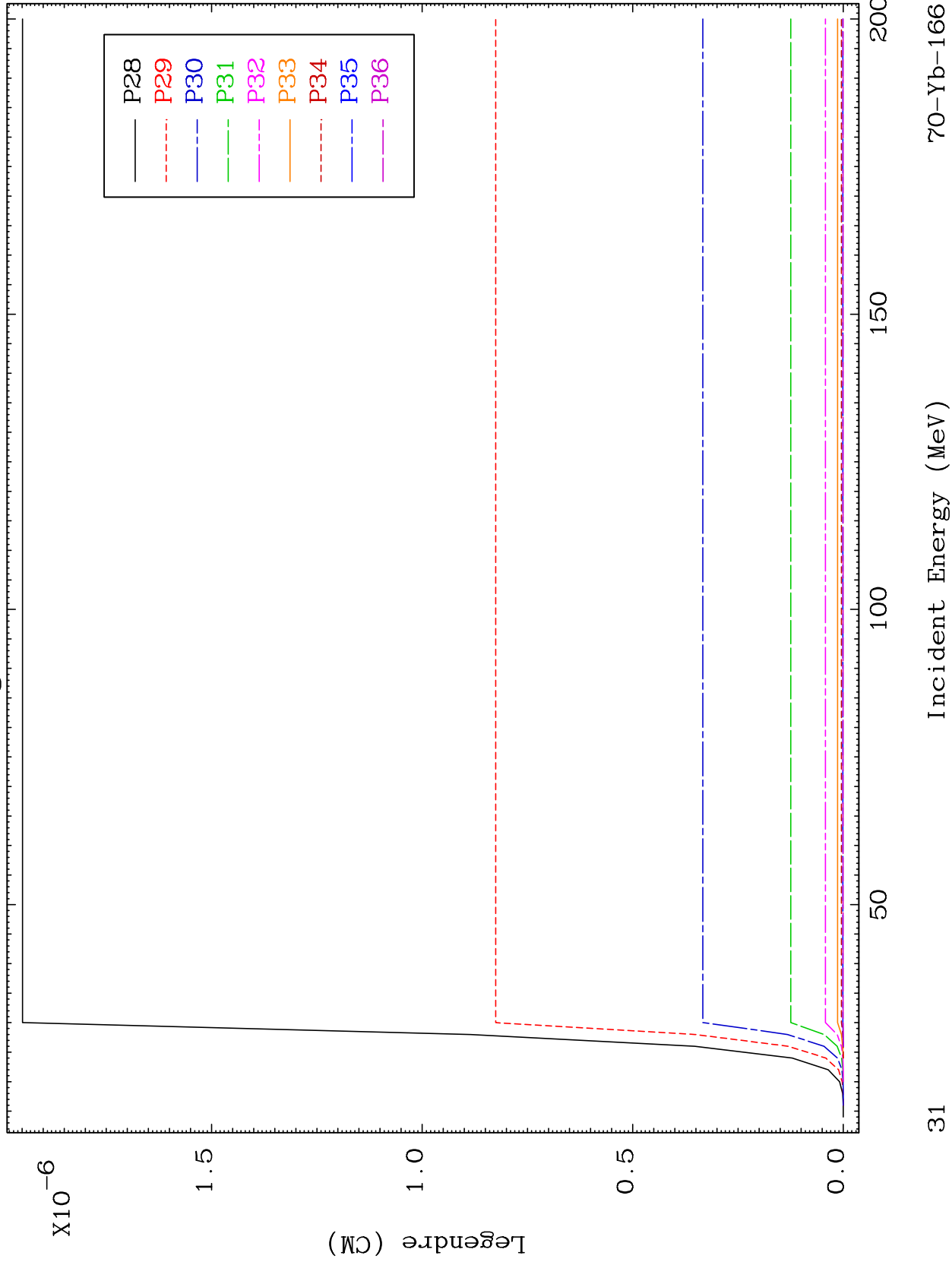




MAT 7019

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

70-Yb-166

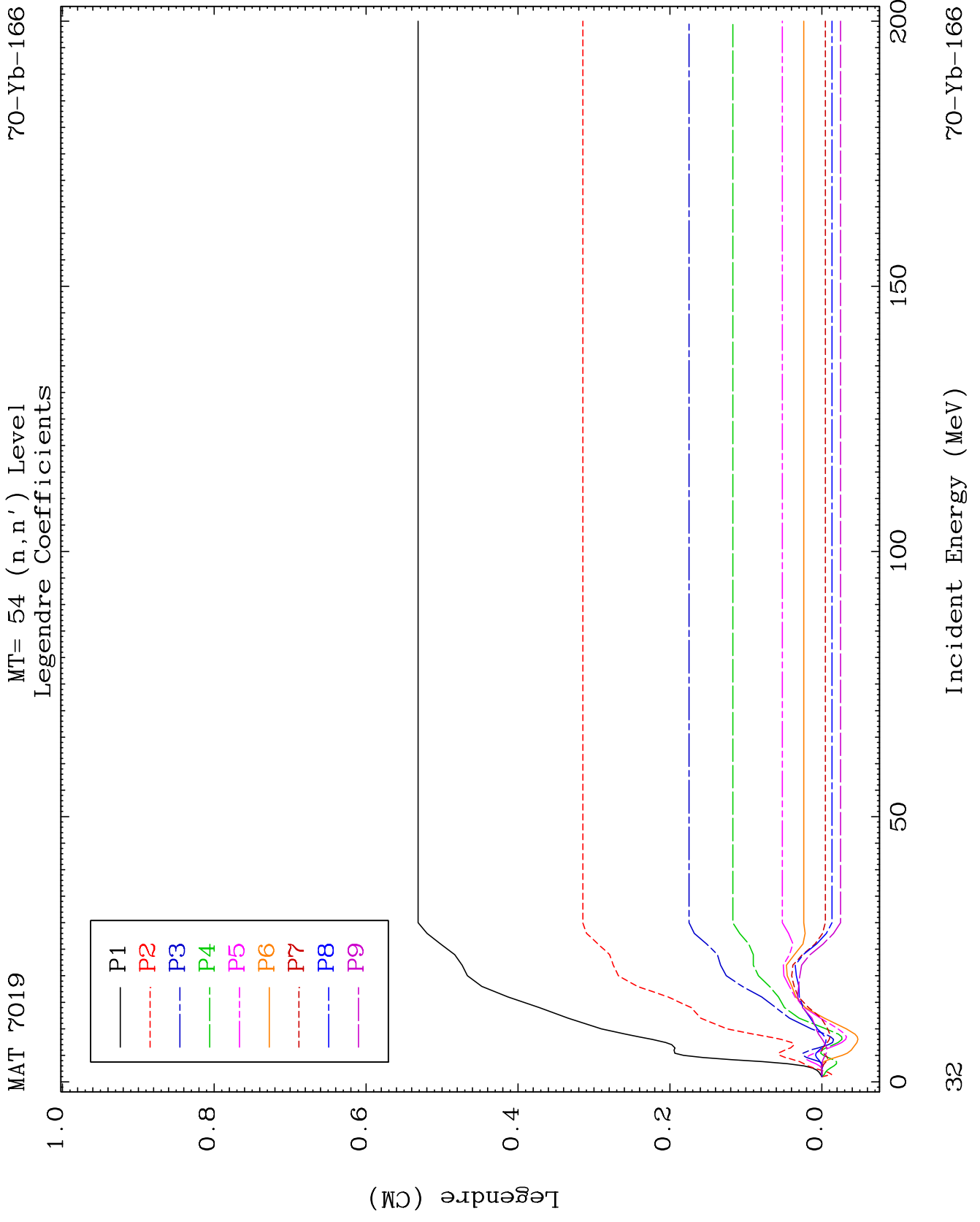


31

Incident Energy (MeV)

70-Yb-166

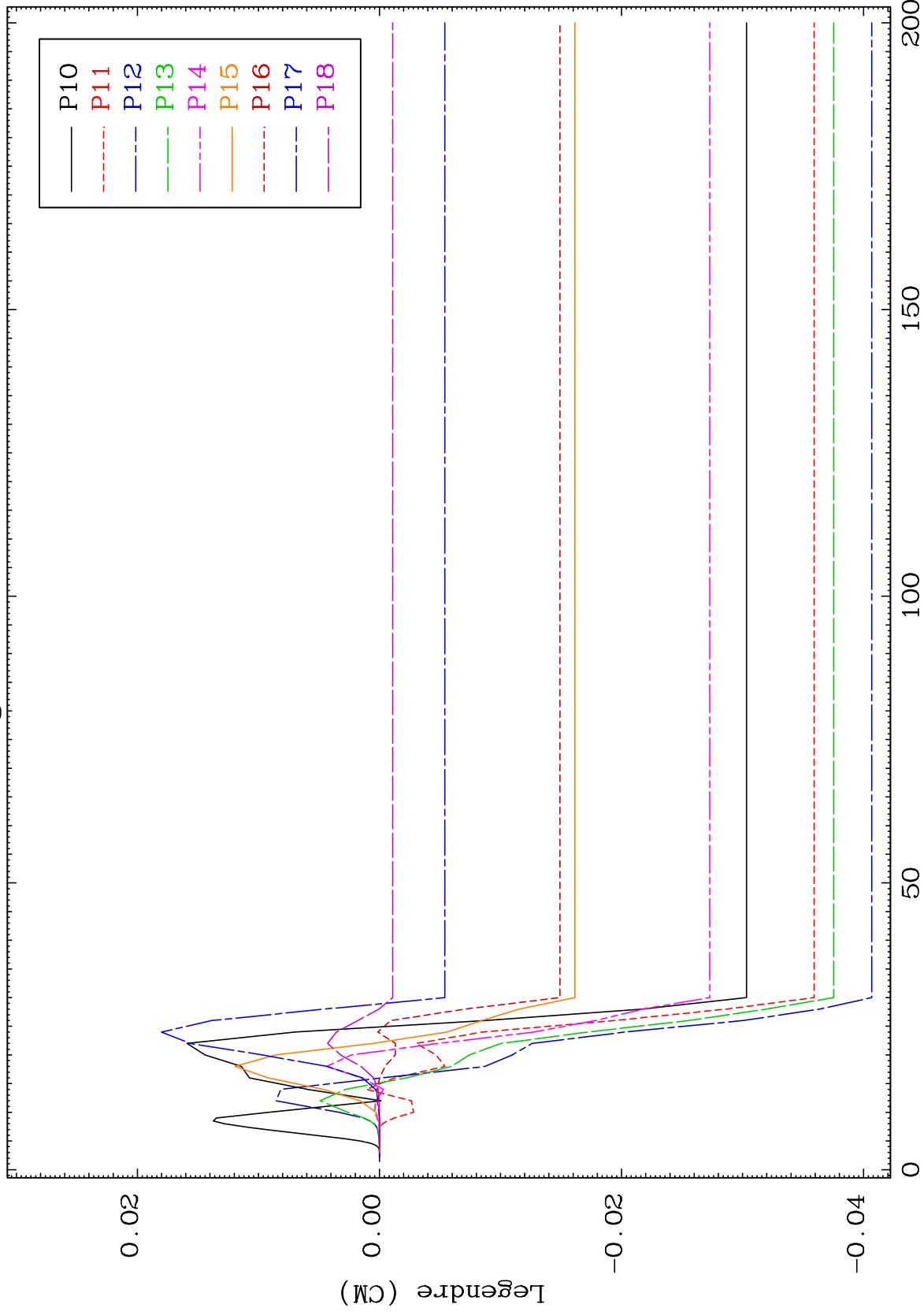




MAT 7019

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

70-Yb-166



33

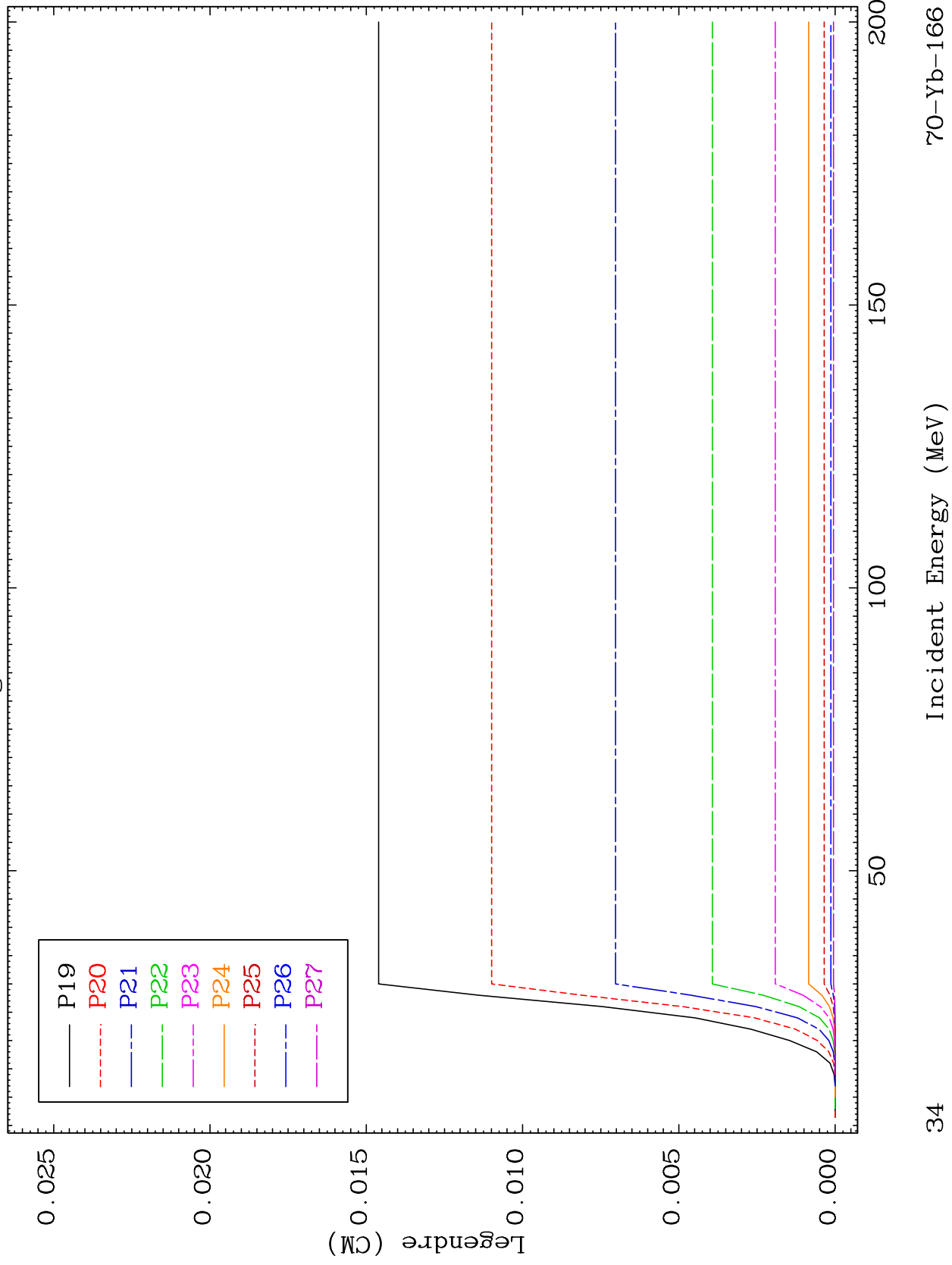
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



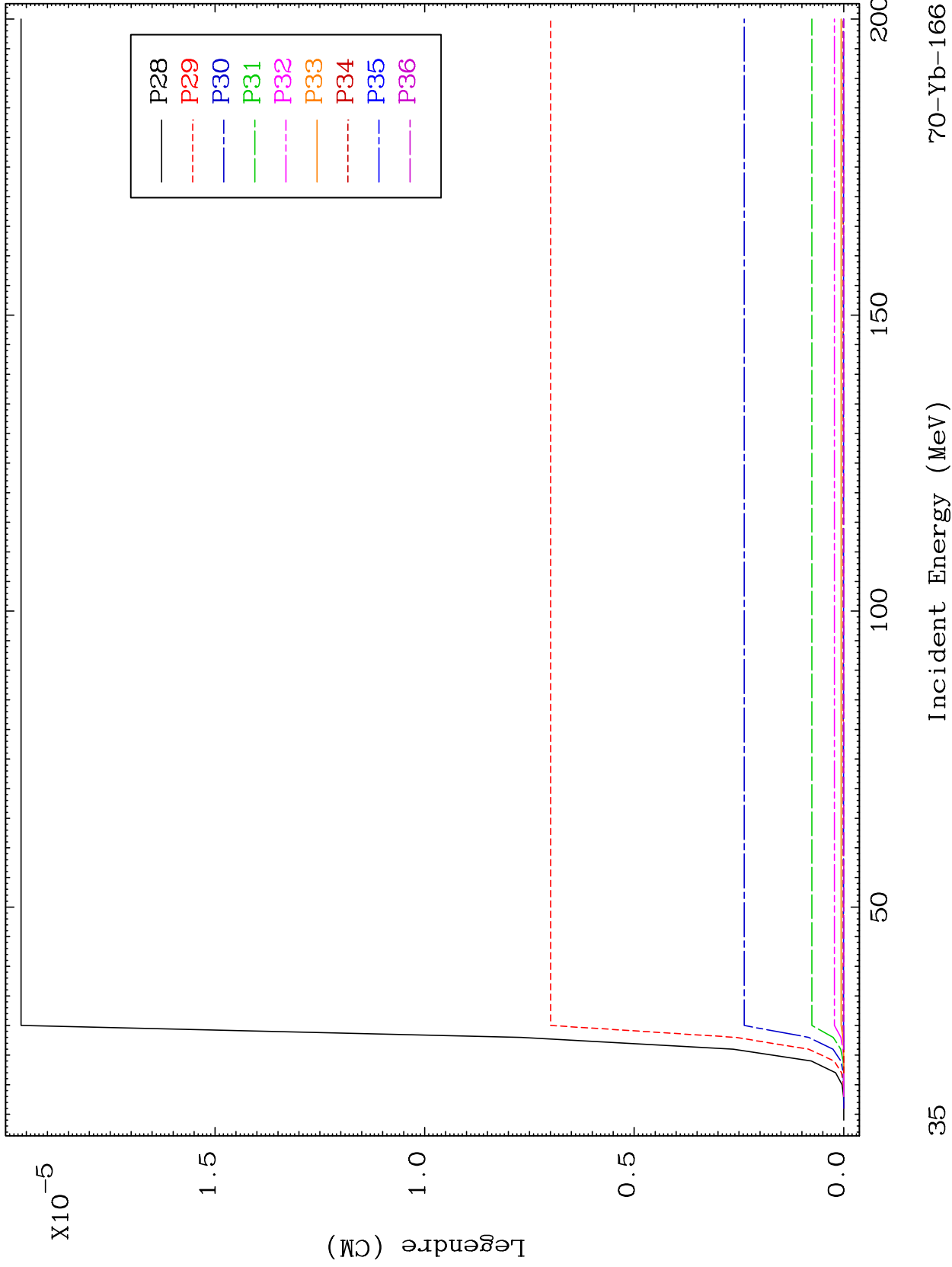
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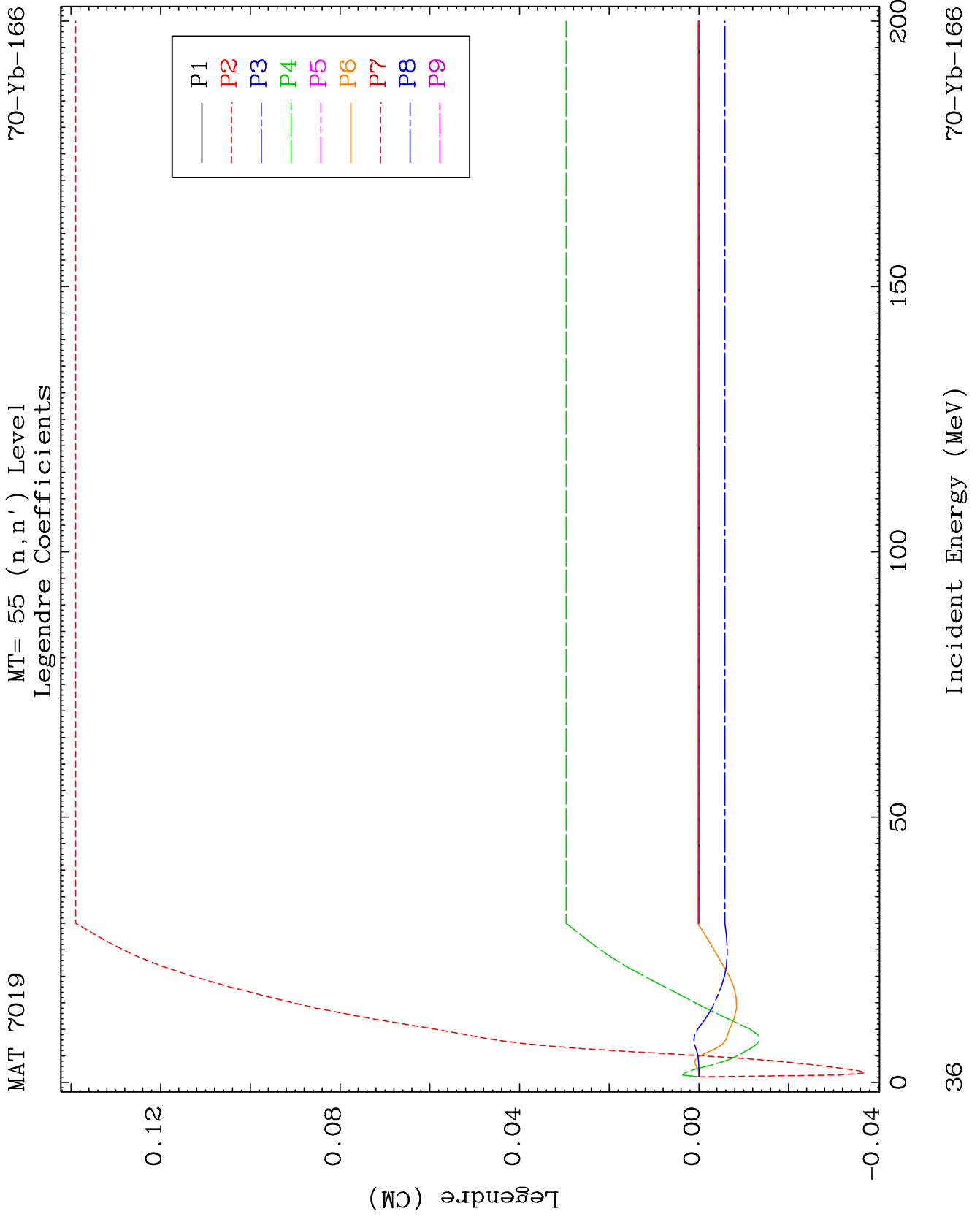
70-Yb-166

MAT 7019

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

70-Yb-166

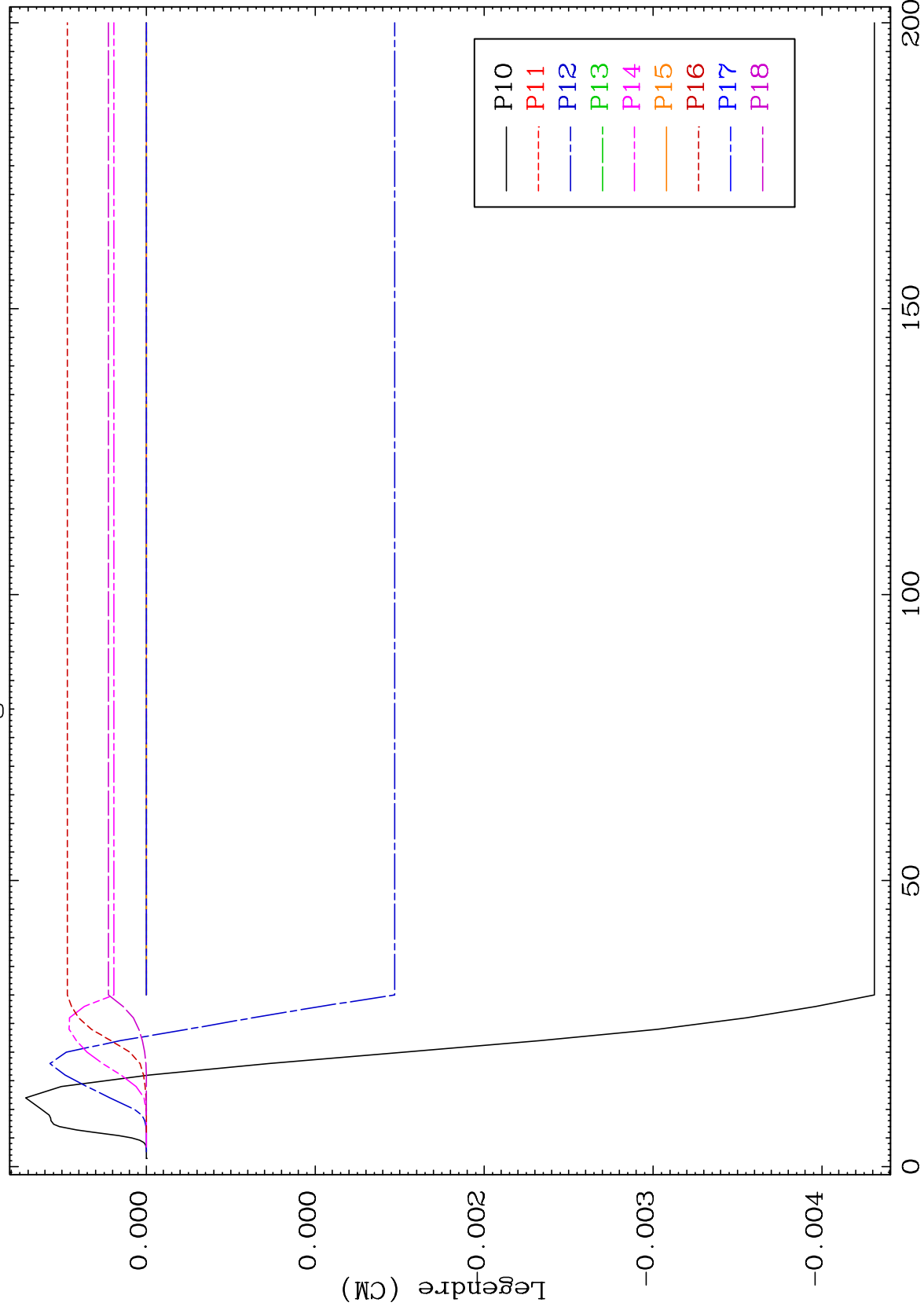




MAT 7019

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

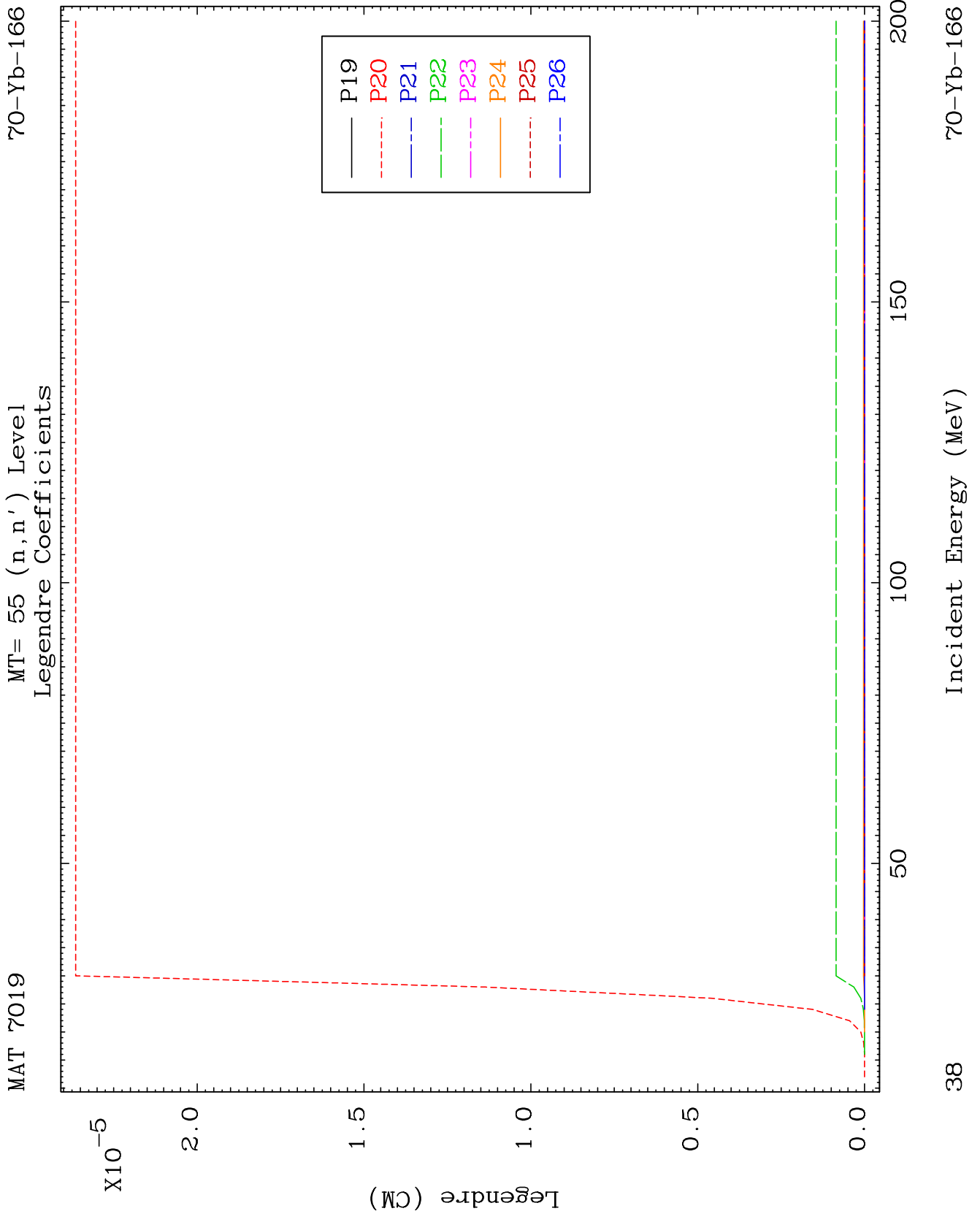
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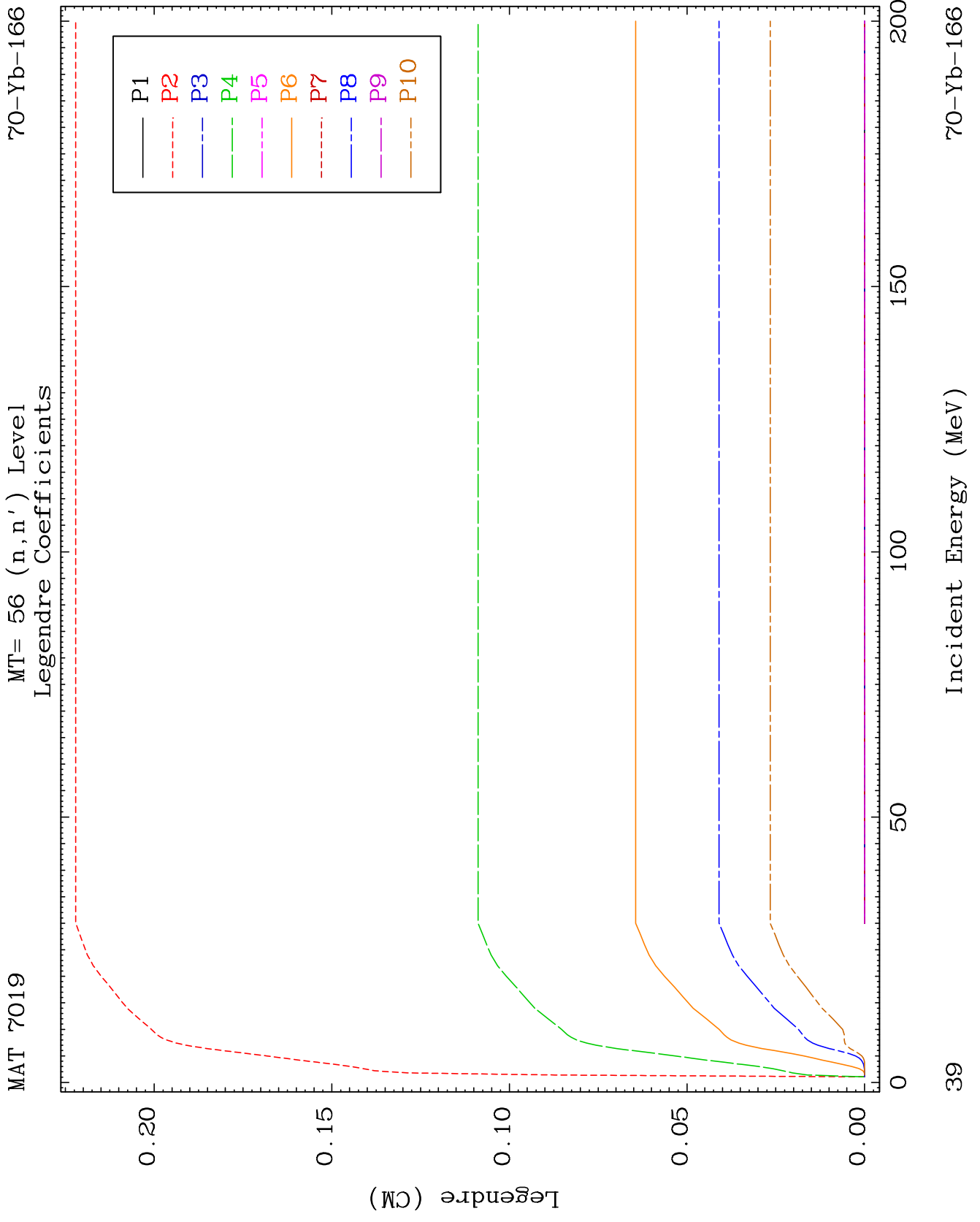


37

Incident Energy (MeV)

70-Yb-166



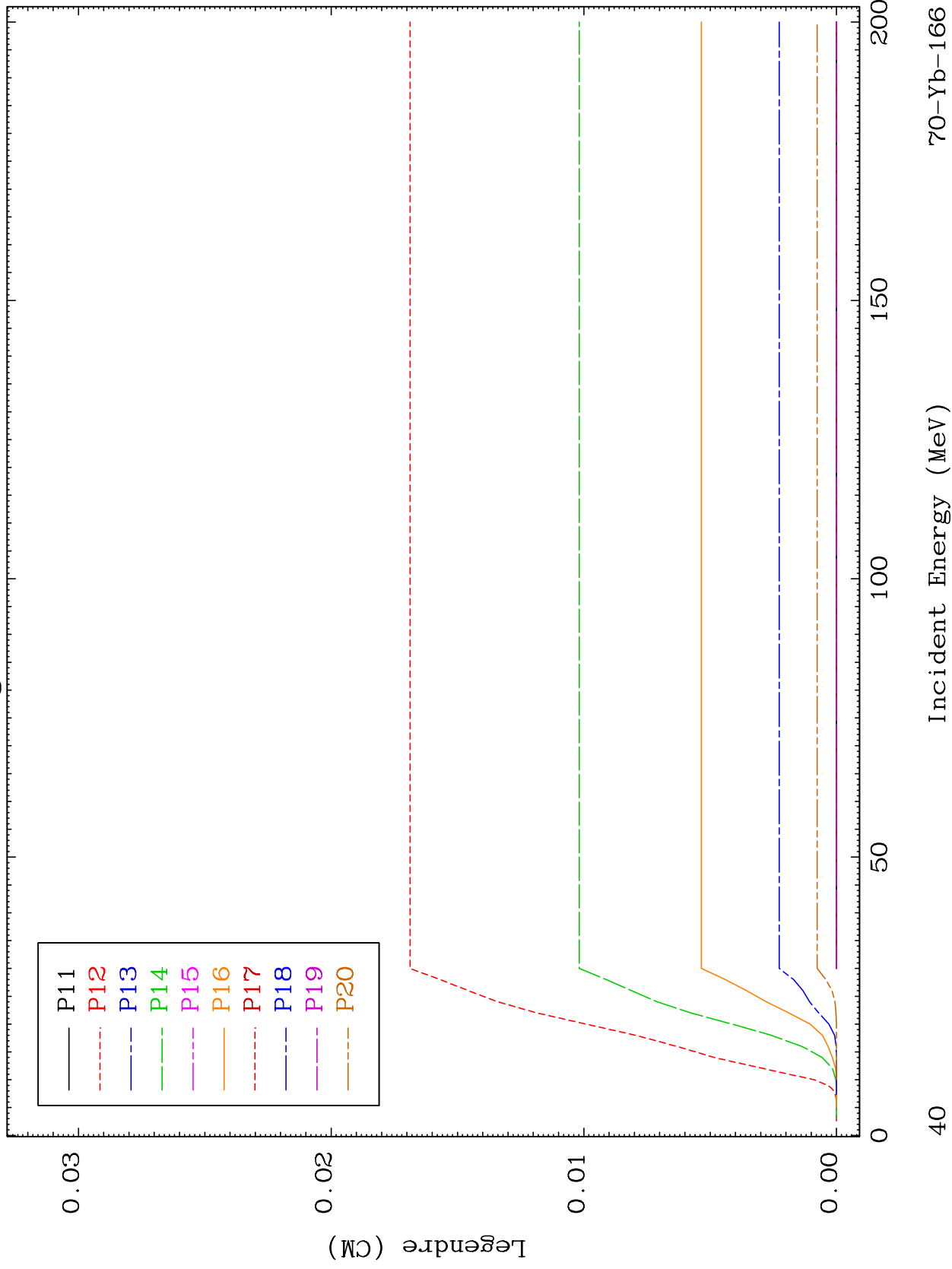


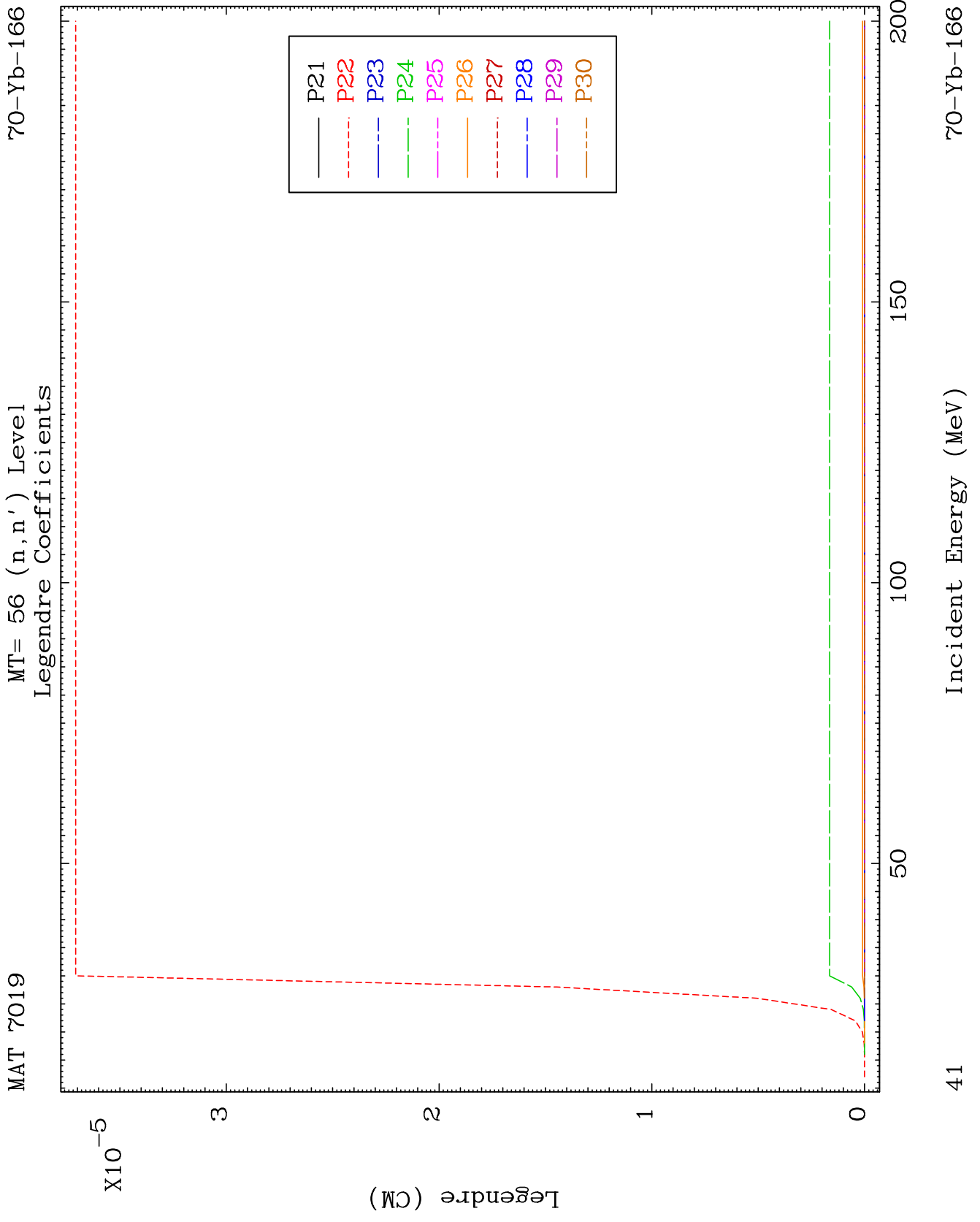


MAT 7019

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Legendre Coefficients

70-Yb-166

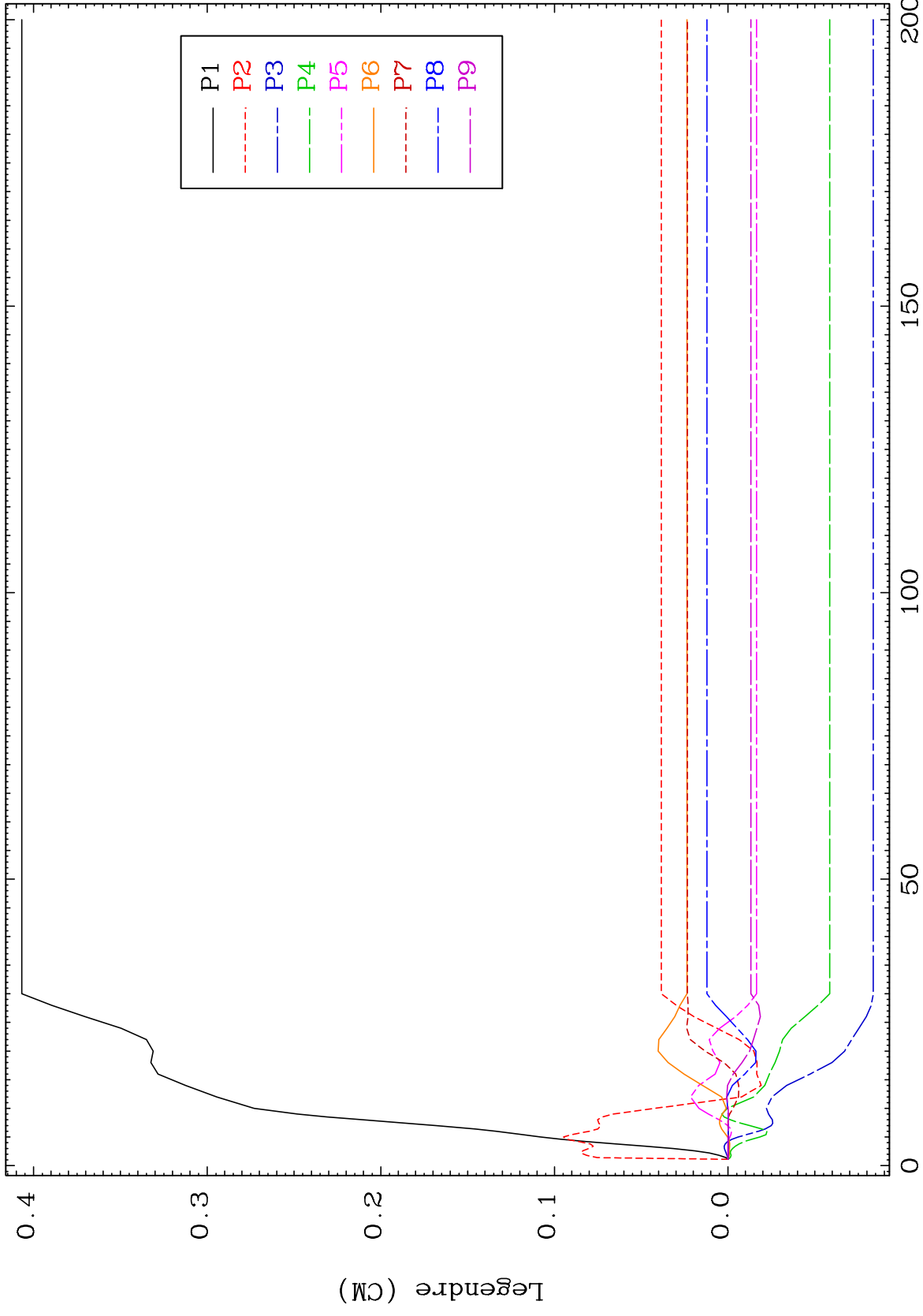




MAT 7019

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

70-Yb-166



42

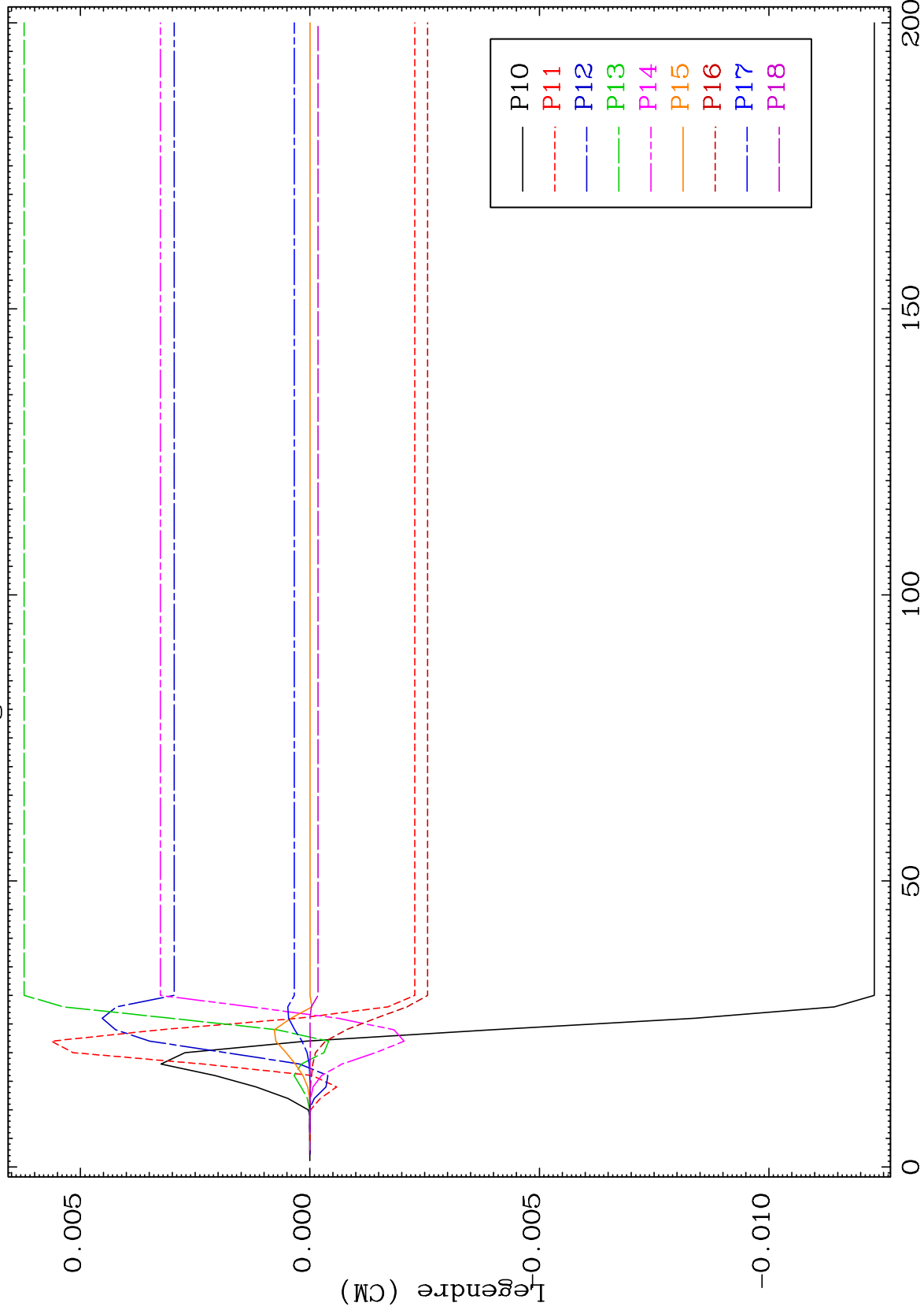
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



43

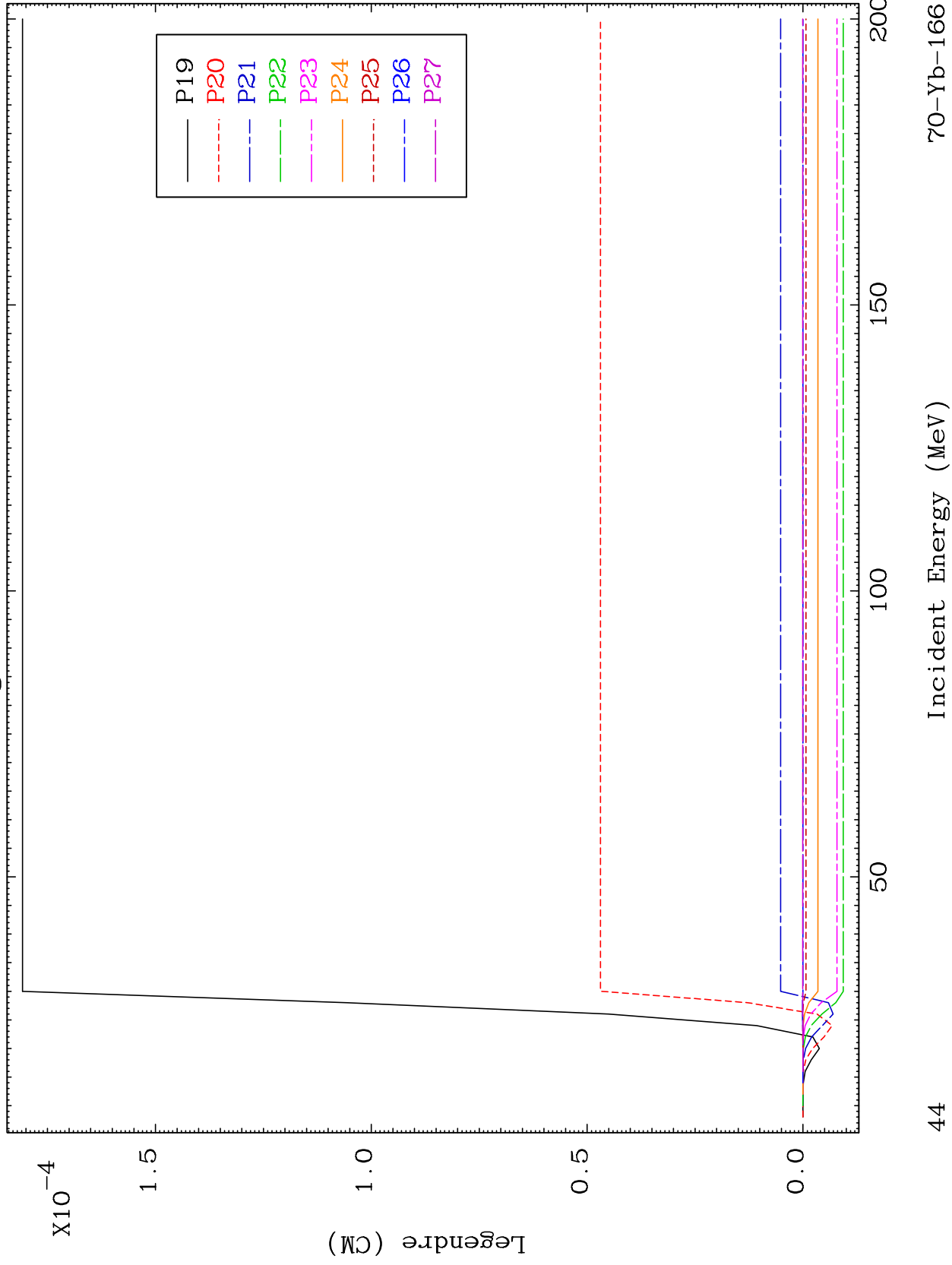
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



44

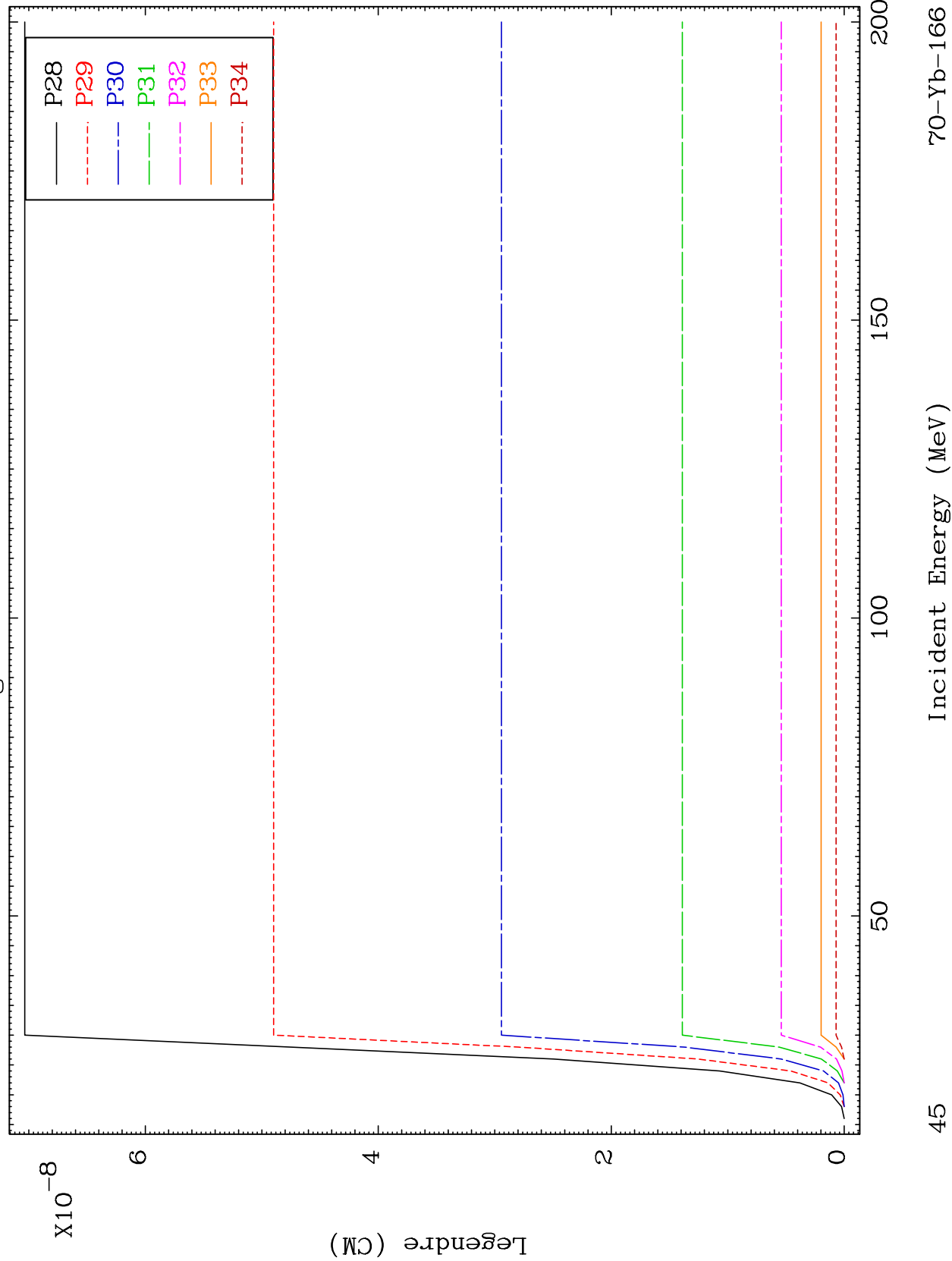
Incident Energy (MeV)

70-Yb-166

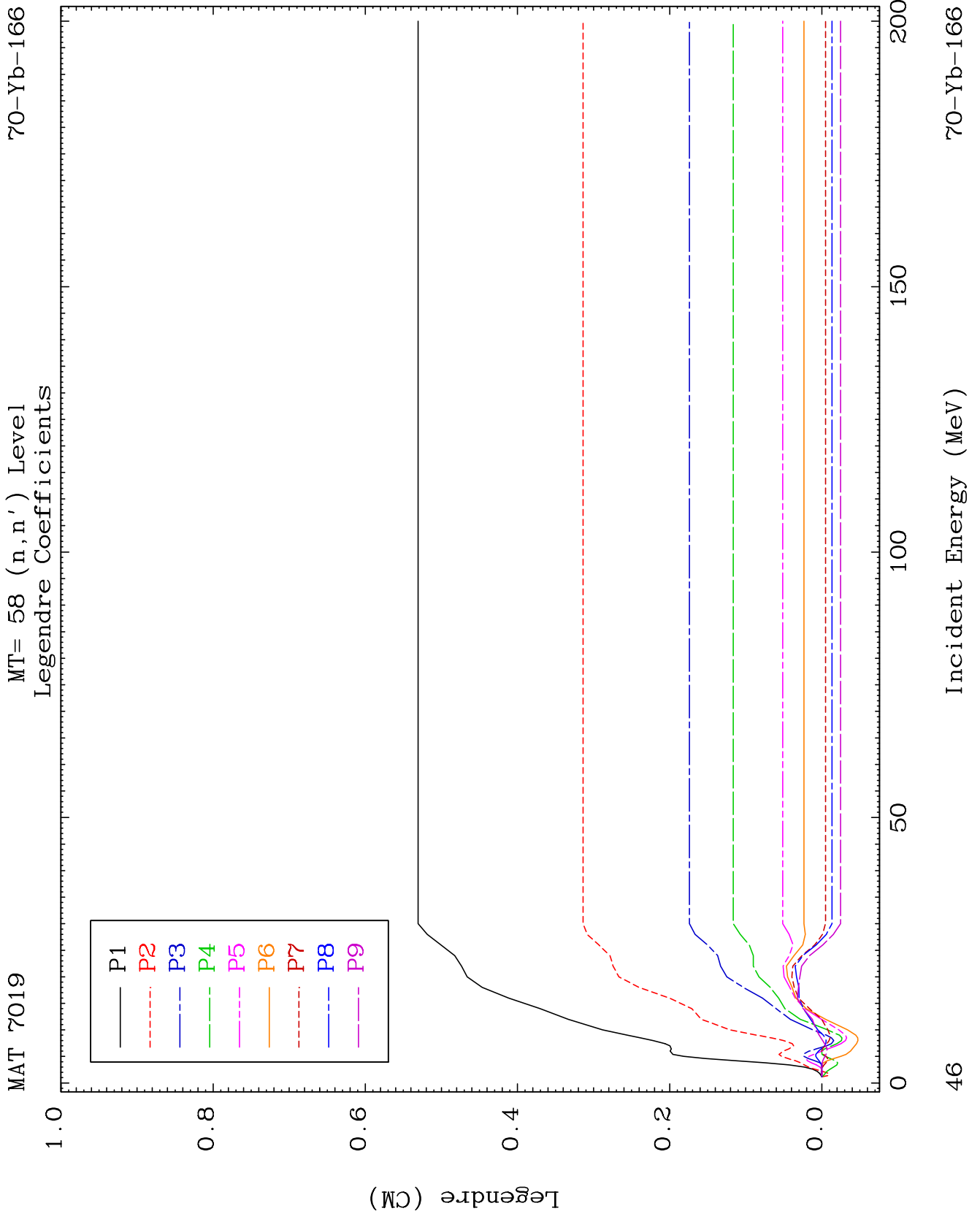
MAT 7019

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

70-Yb-166



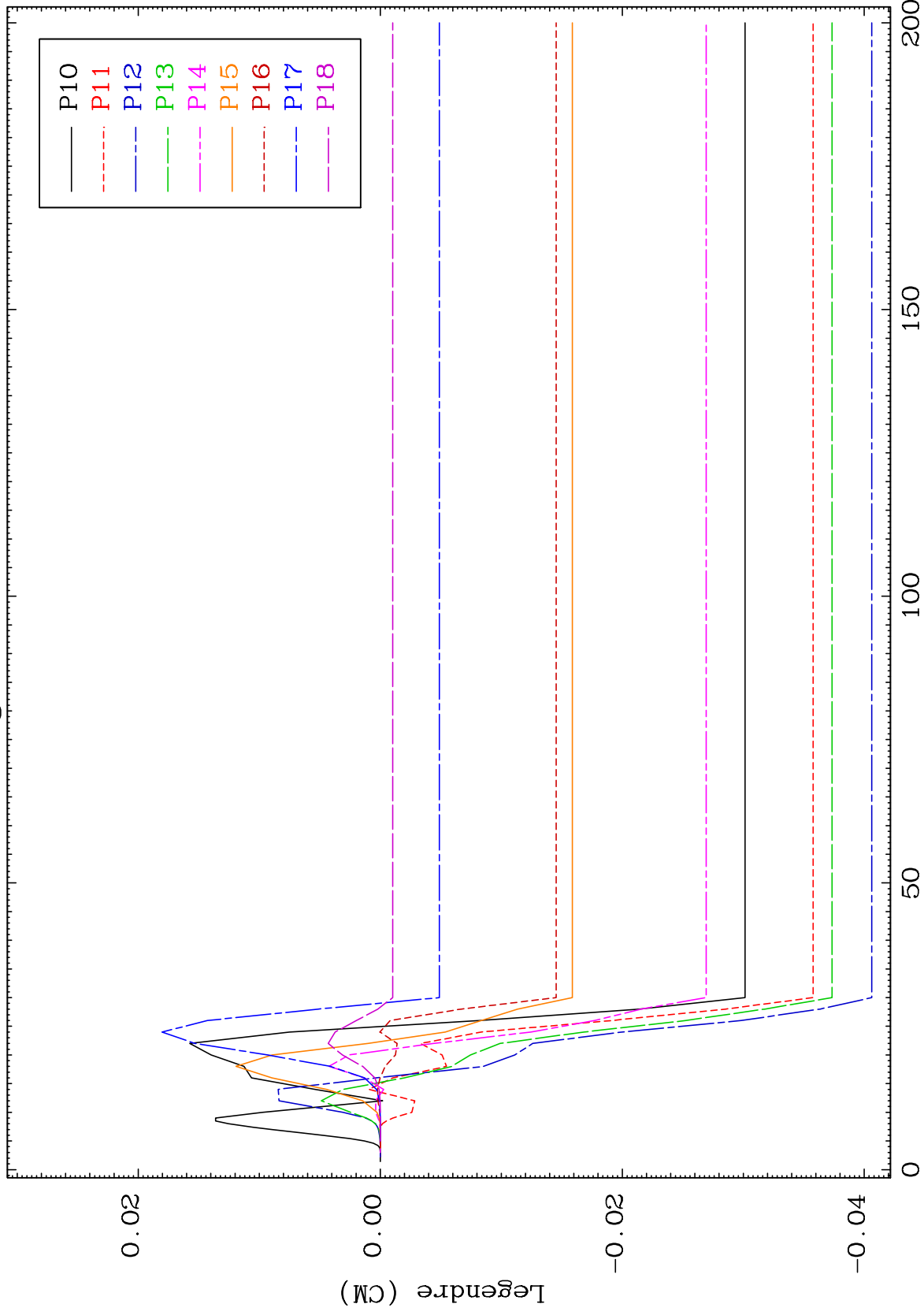
70-Yb-166



MAT 7019

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

70-Yb-166



47

Incident Energy (MeV)

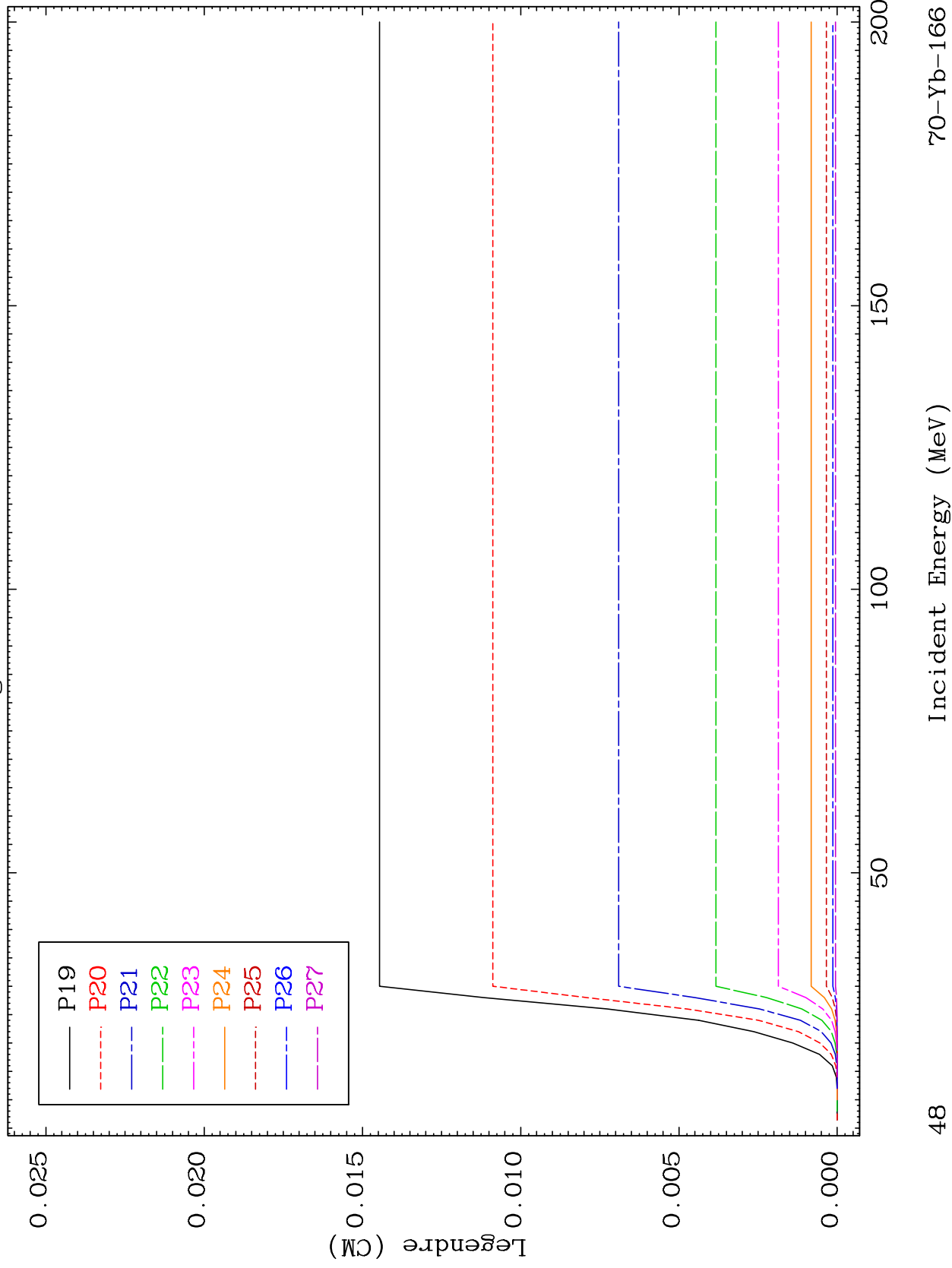
70-Yb-166



MAT 7019

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

70-Yb-166



48

Incident Energy (MeV)

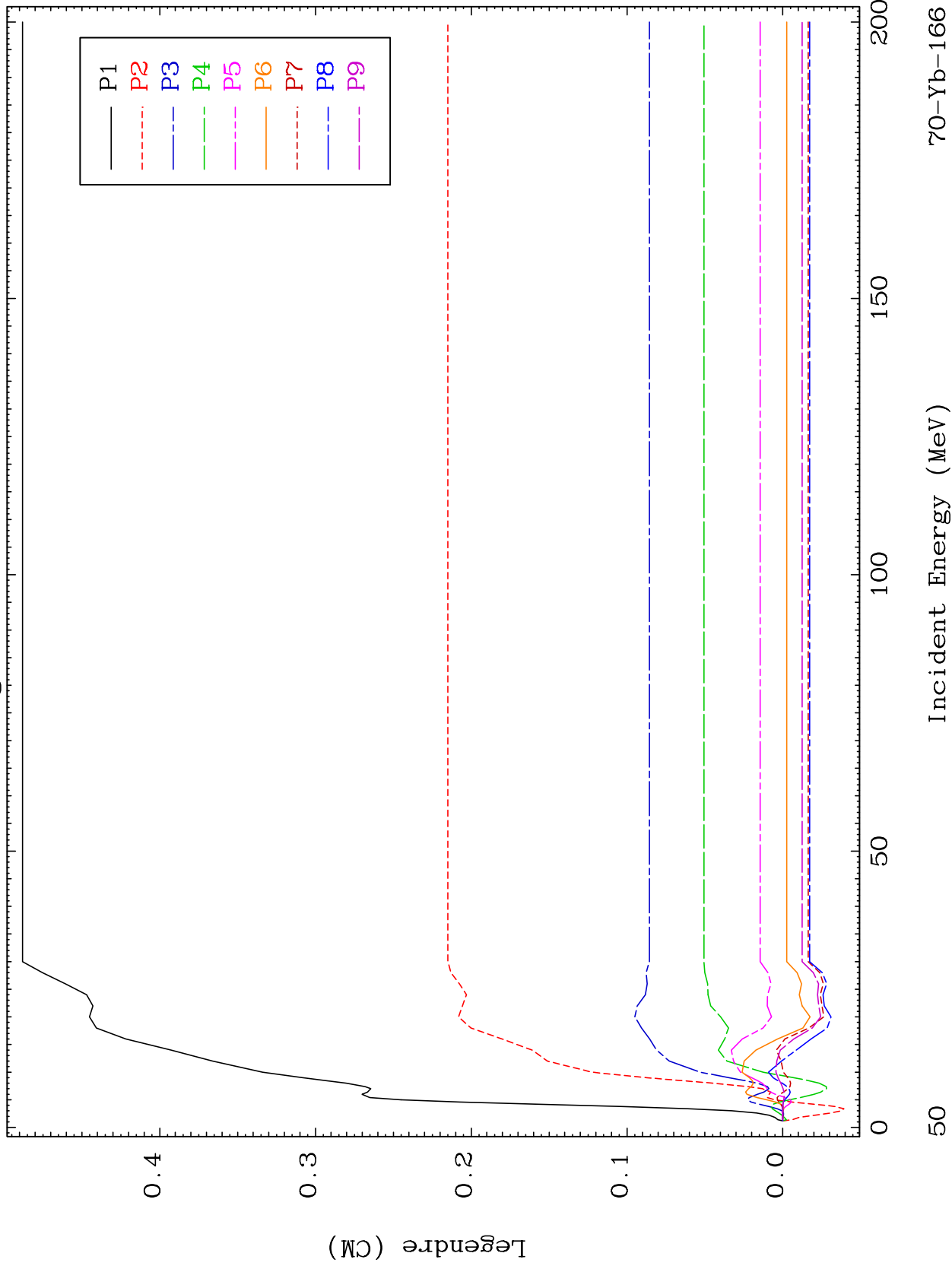
70-Yb-166



MAT 7019

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

70-Yb-166



70-Yb-166

Incident Energy (MeV)

0

50

100

150

200

Legendre (CM)

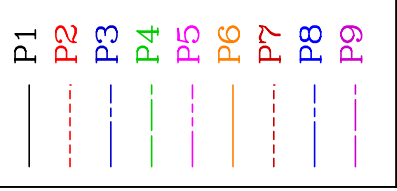
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0.2

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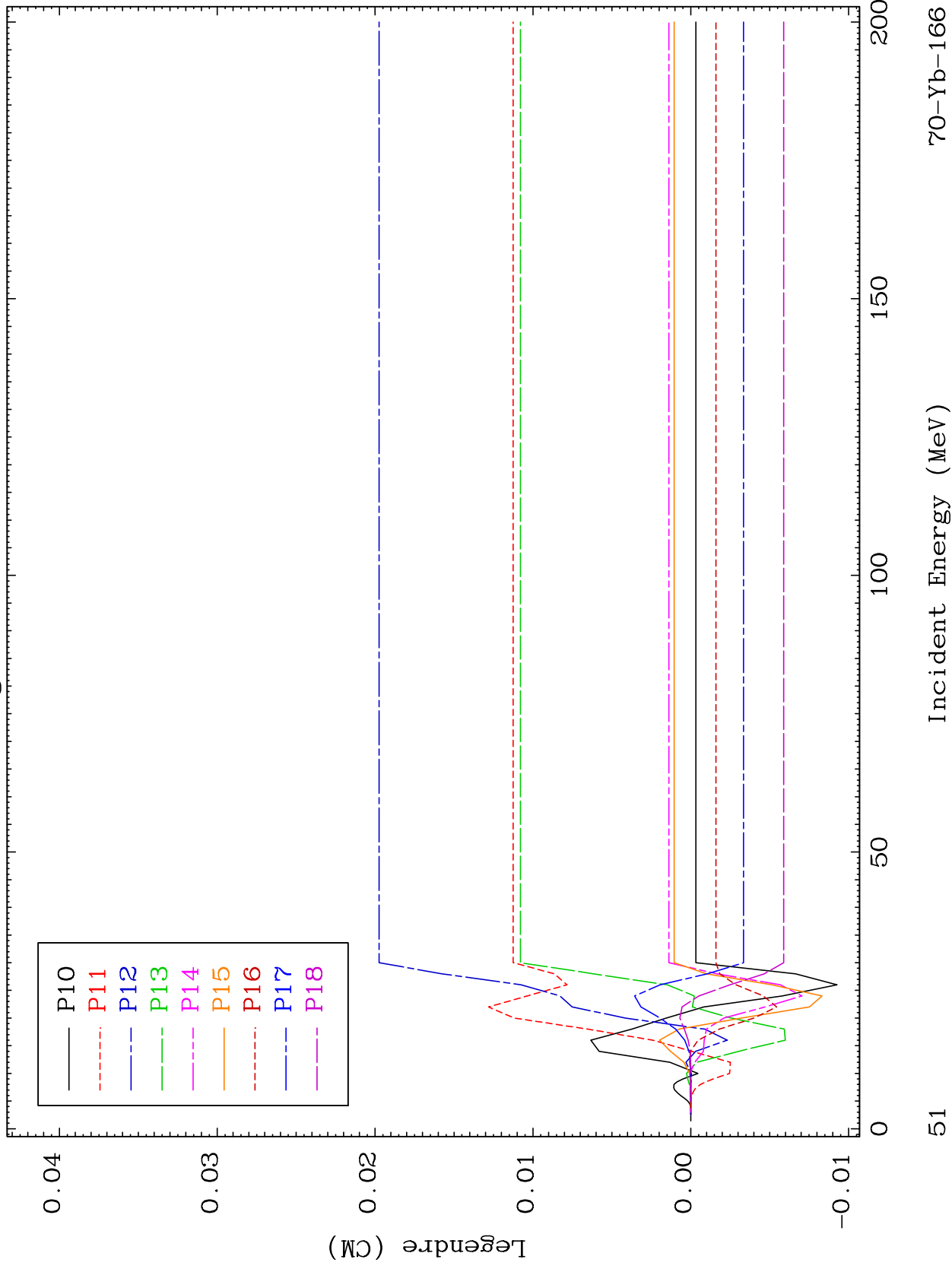
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MAT 7019

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

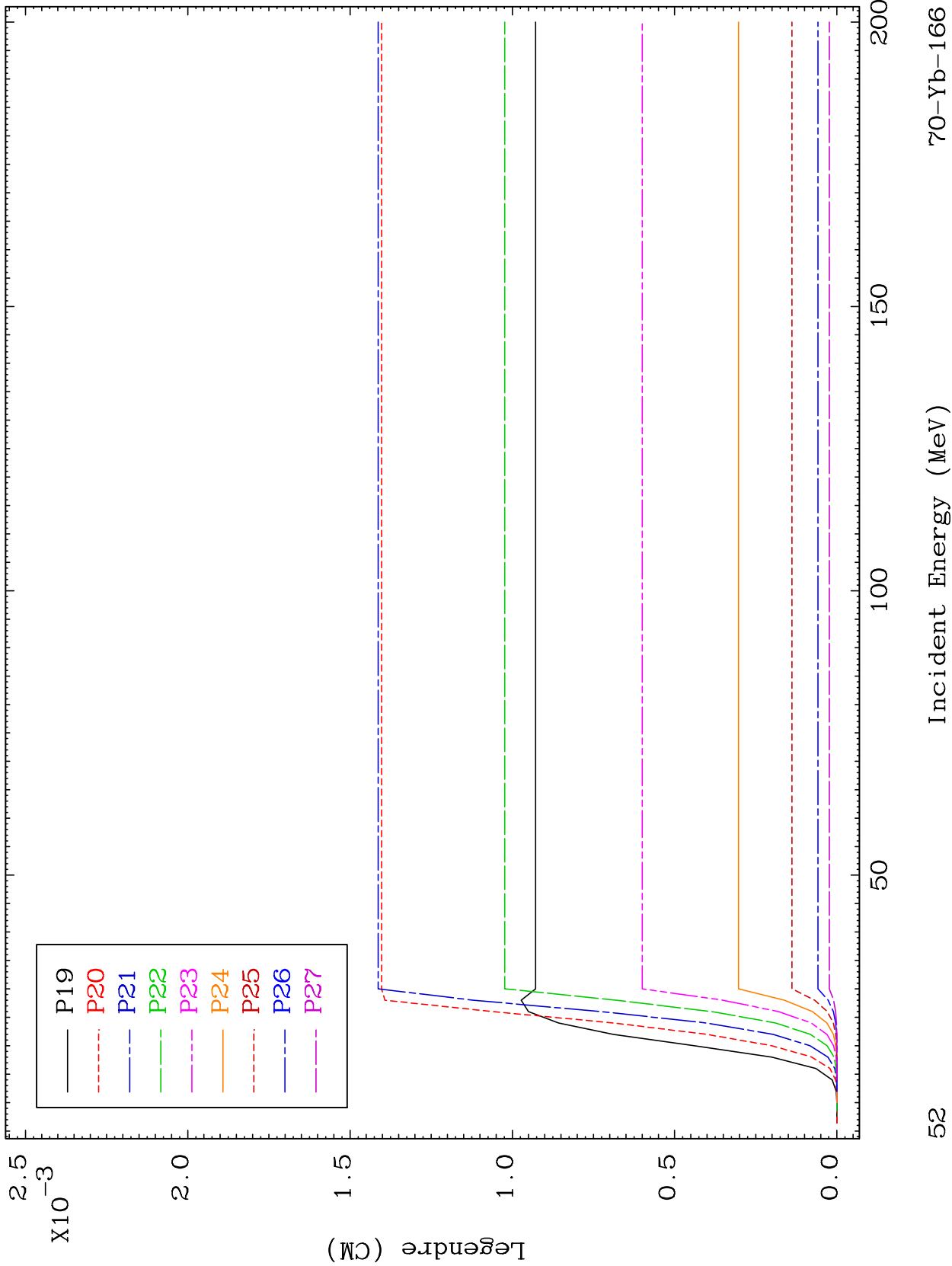
70-Yb-166



51

Incident Energy (MeV)

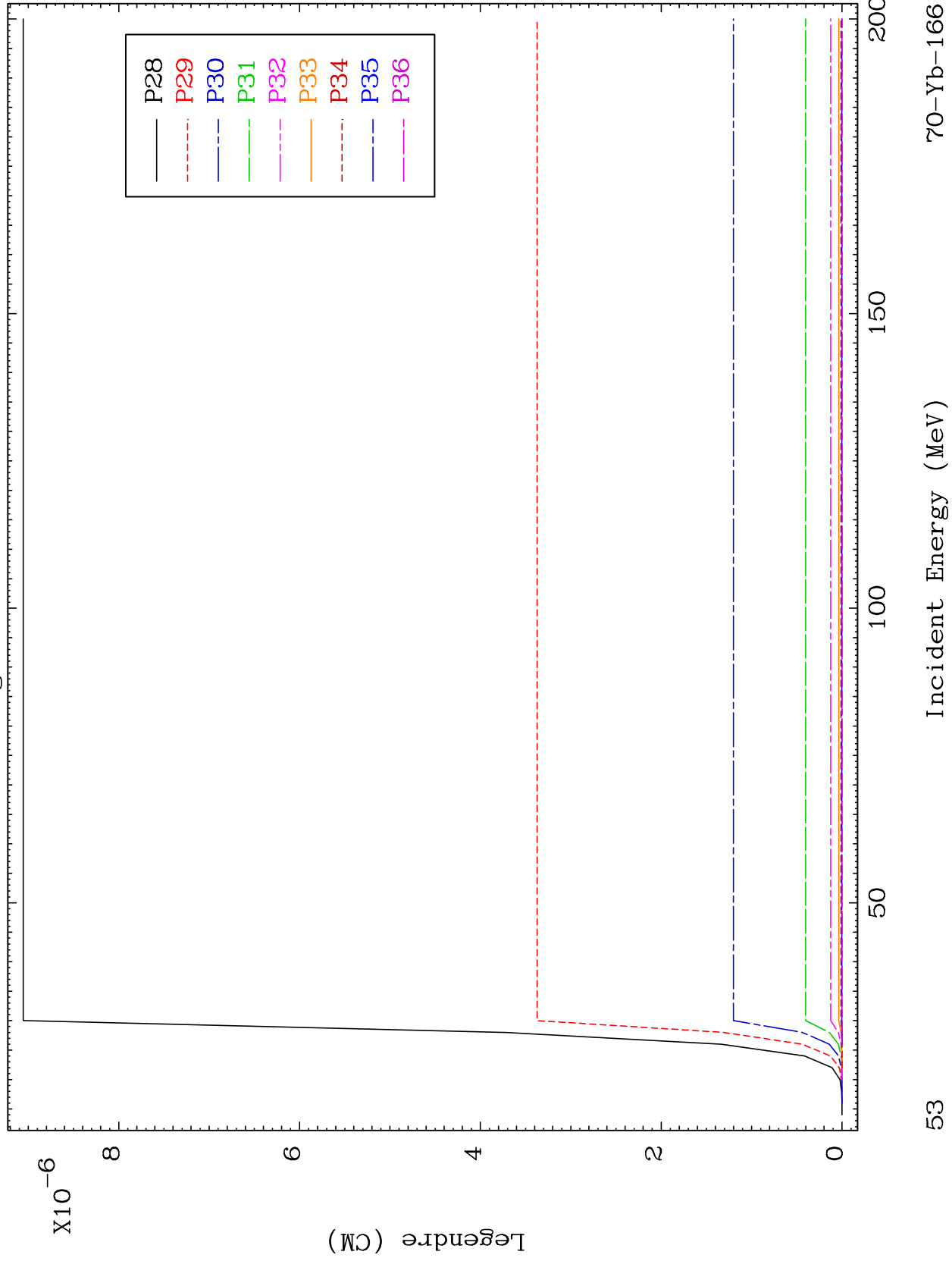
70-Yb-166



MAT 7019

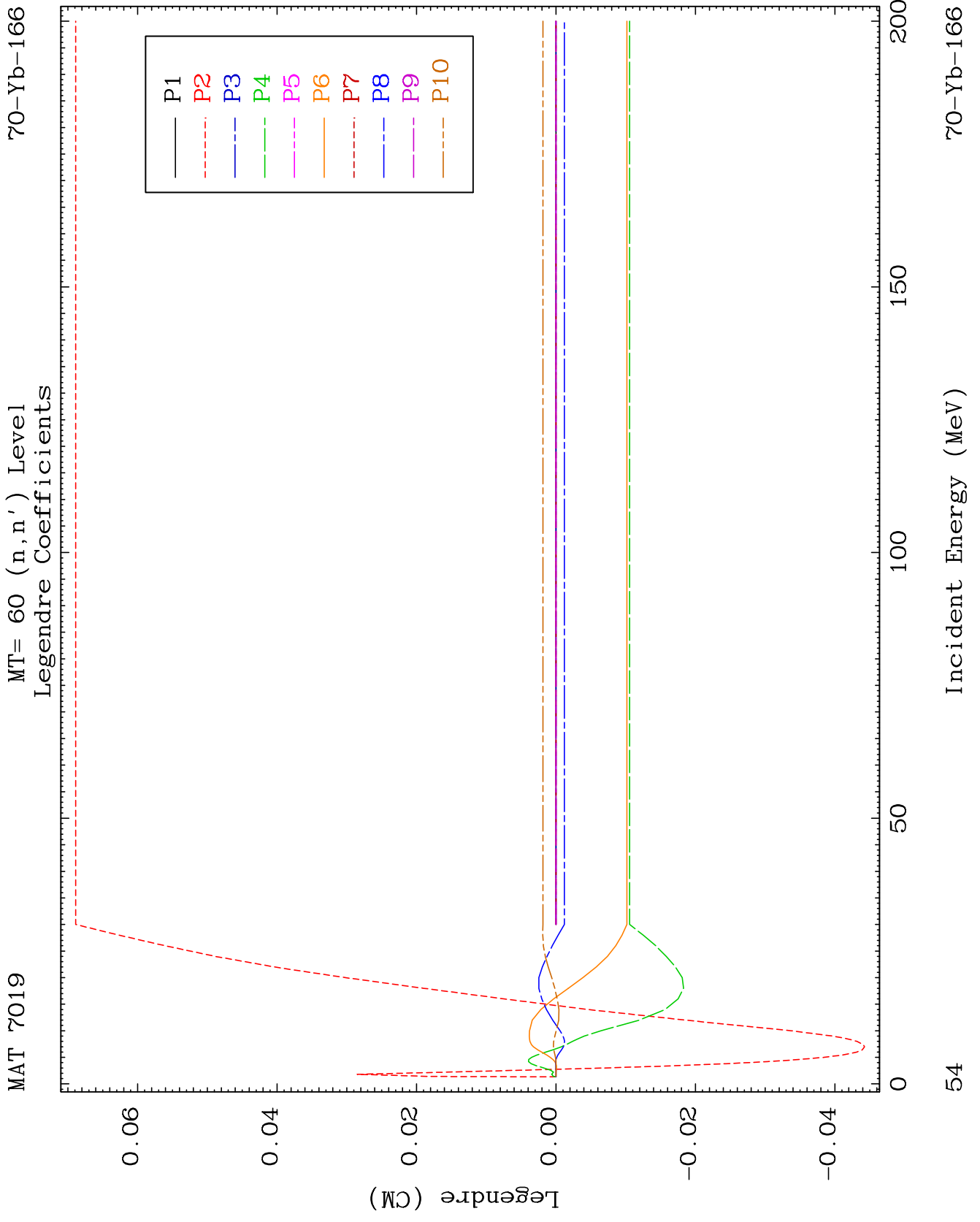
MT= 59 (n,n') Level  
Legendre Coefficients

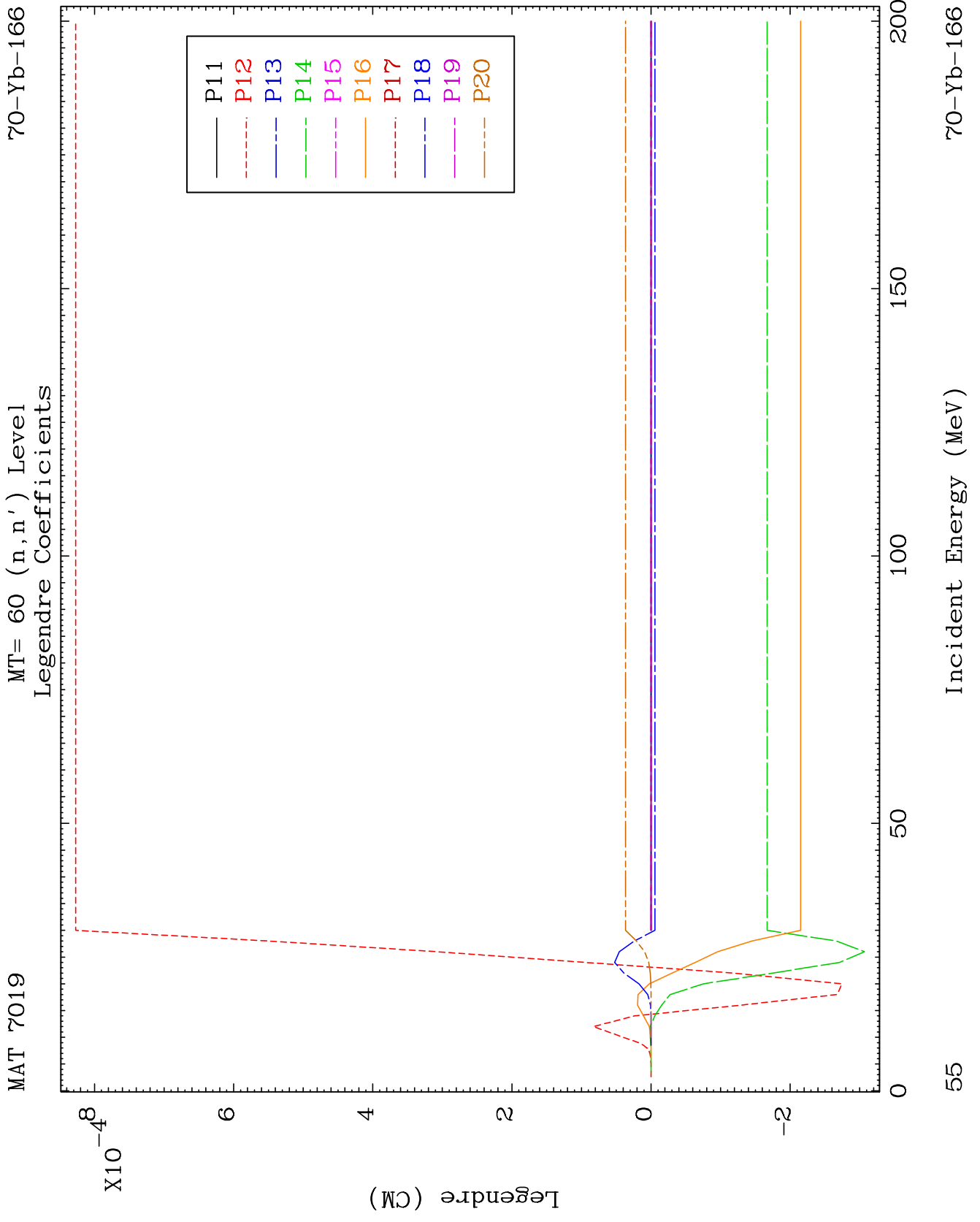
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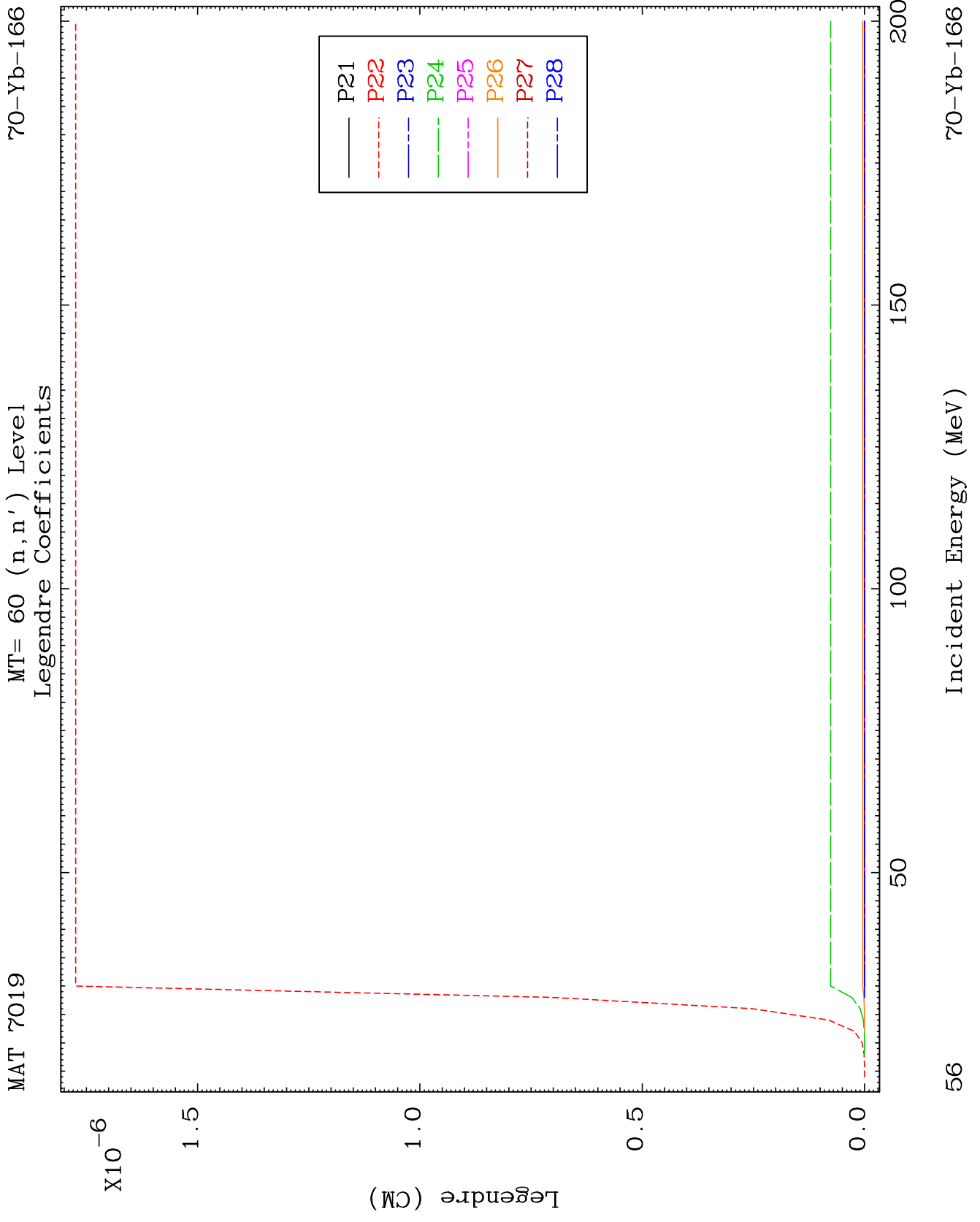
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70-Yb-166

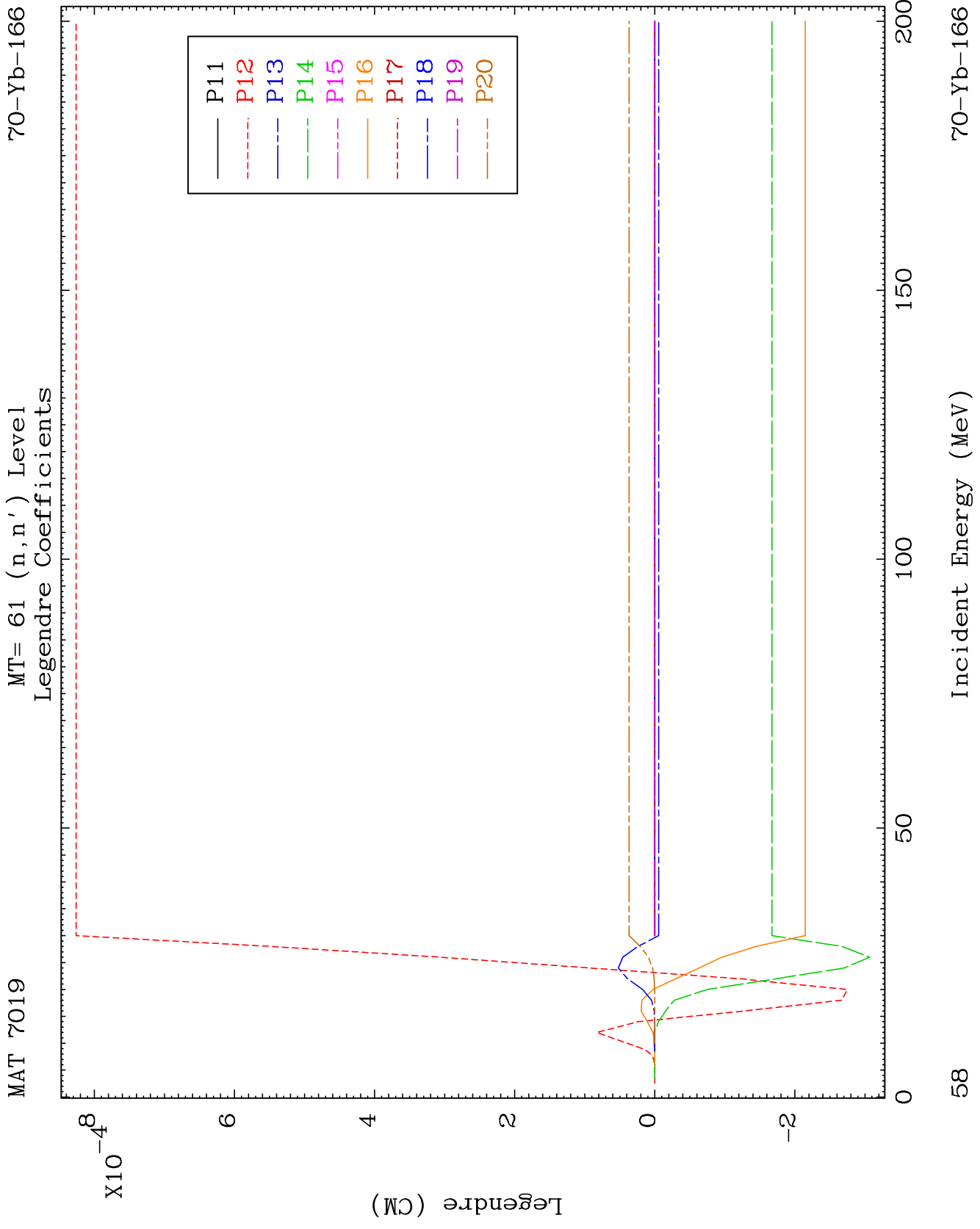


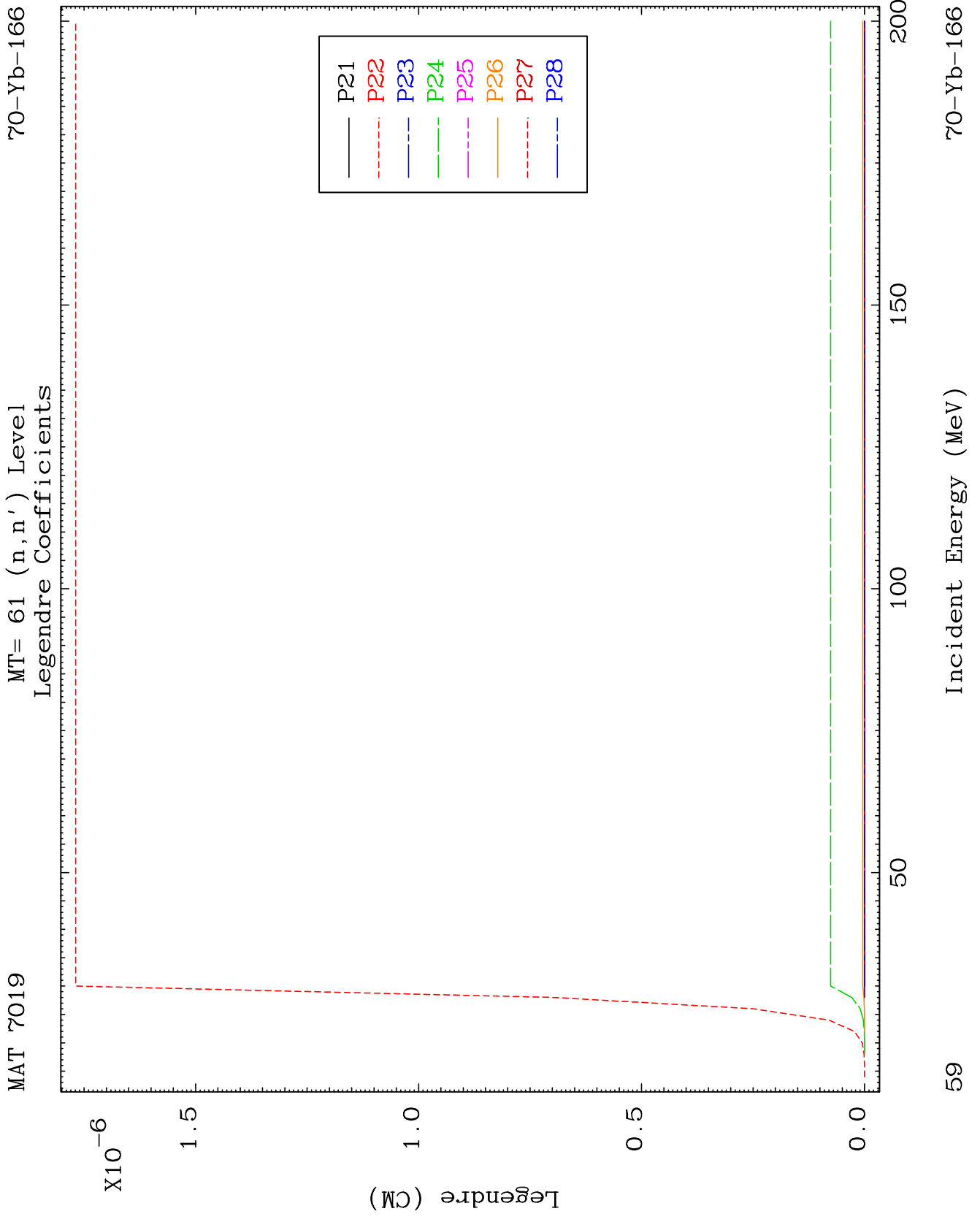








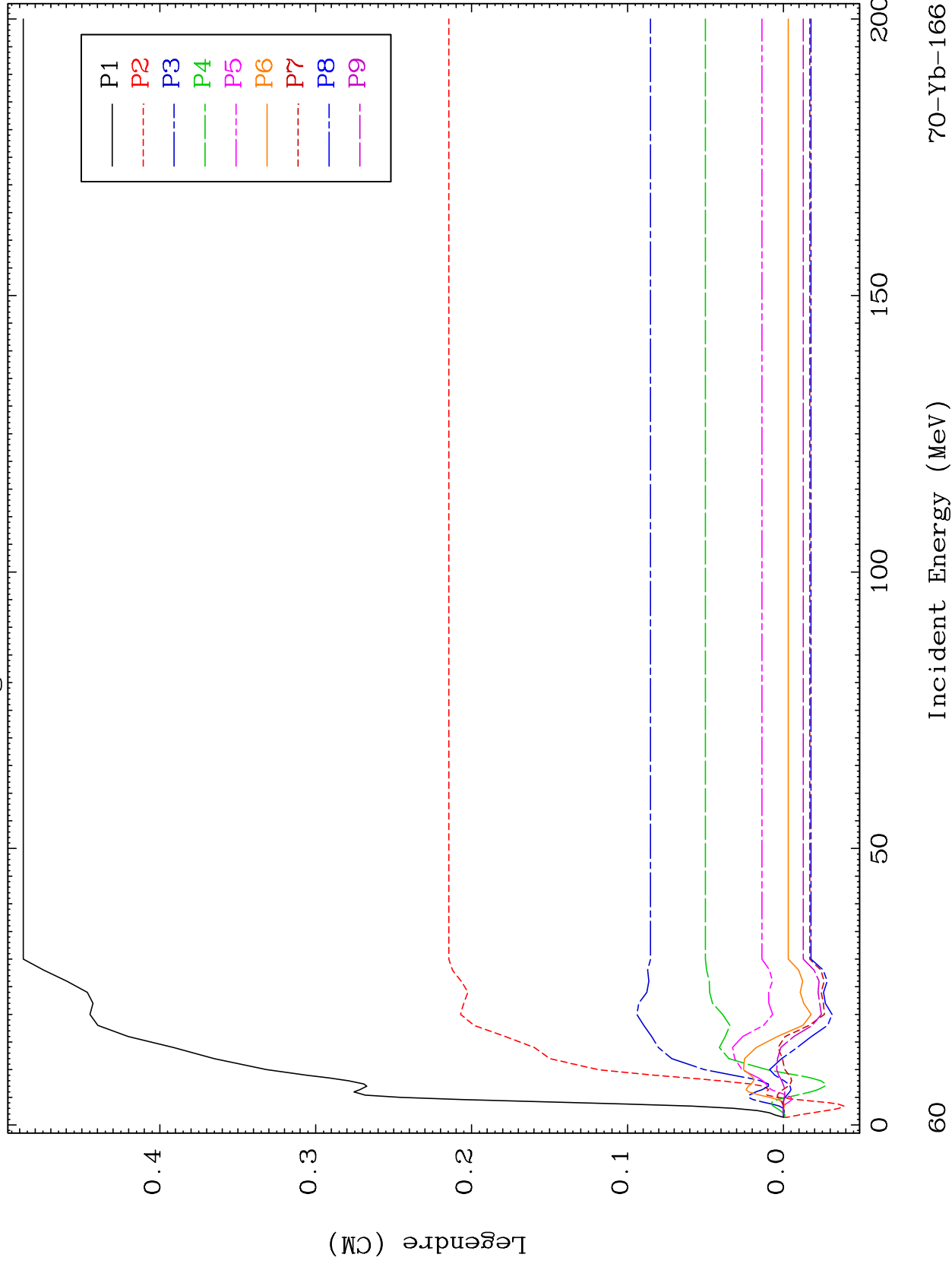




MAT 7019

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

70-Yb-166



70-Yb-166

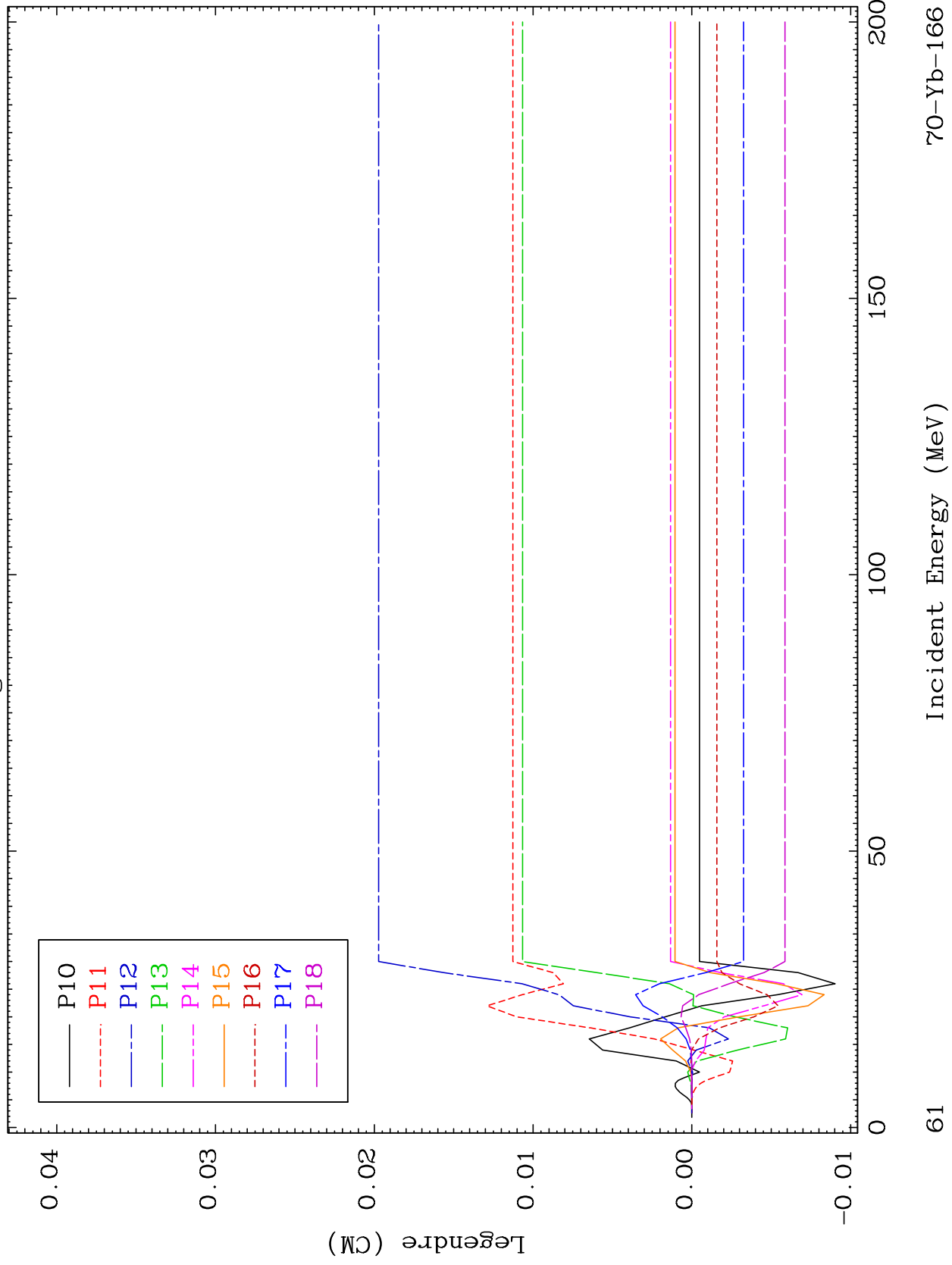
Incident Energy (MeV)

0

MAT 7019

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

70-Yb-166



61

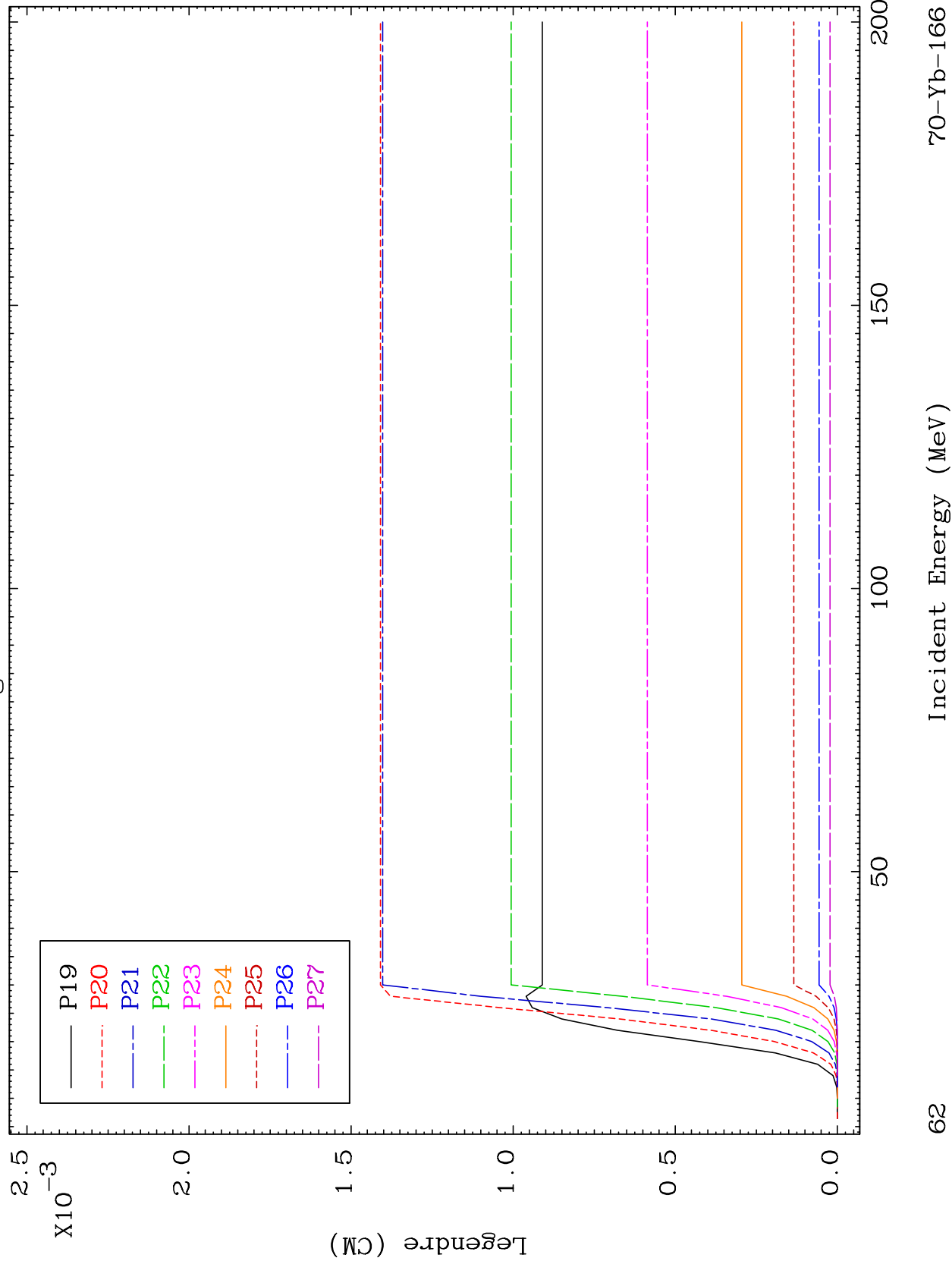
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166

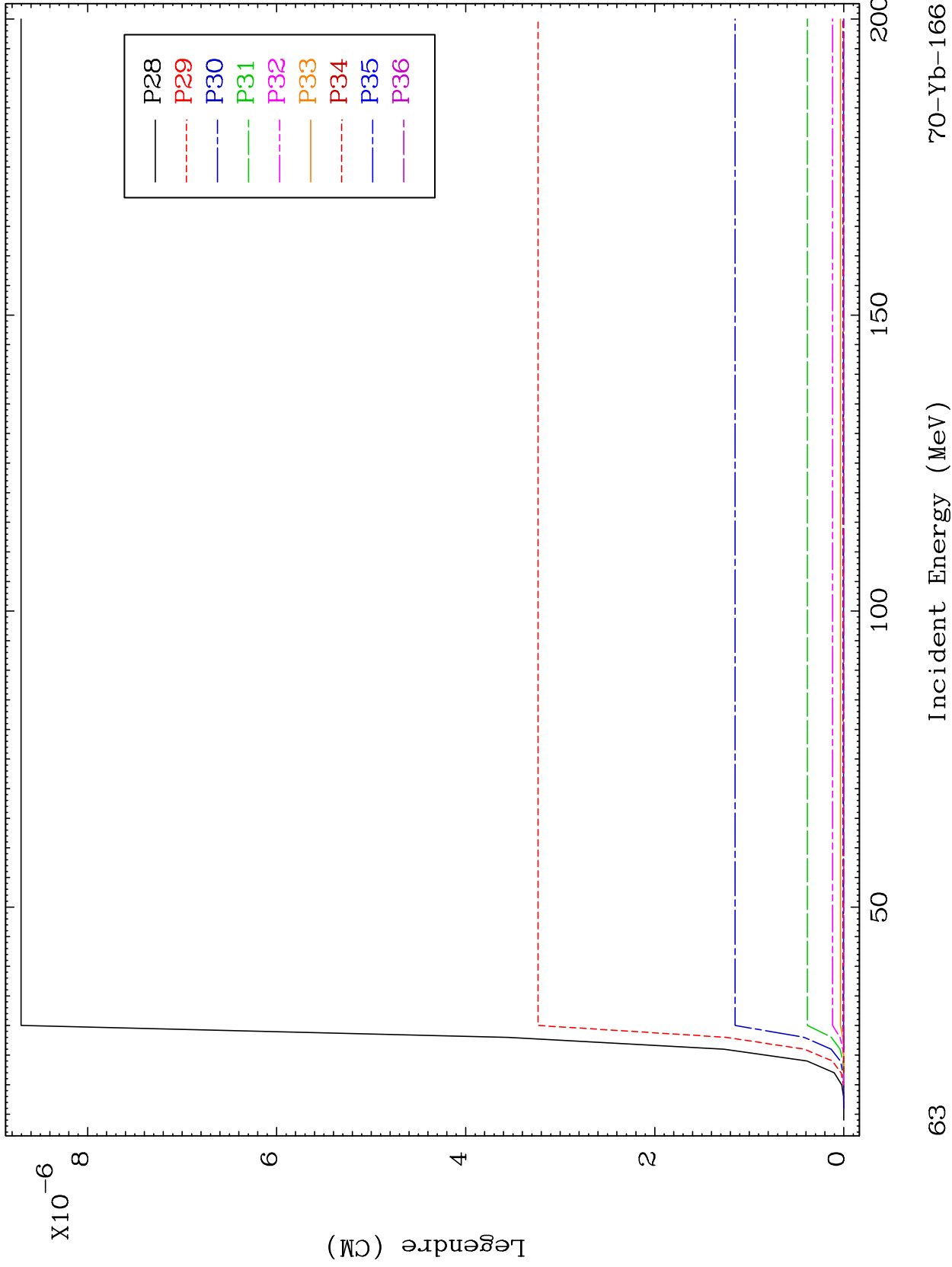


62

MAT 7019

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

70-Yb-166



63

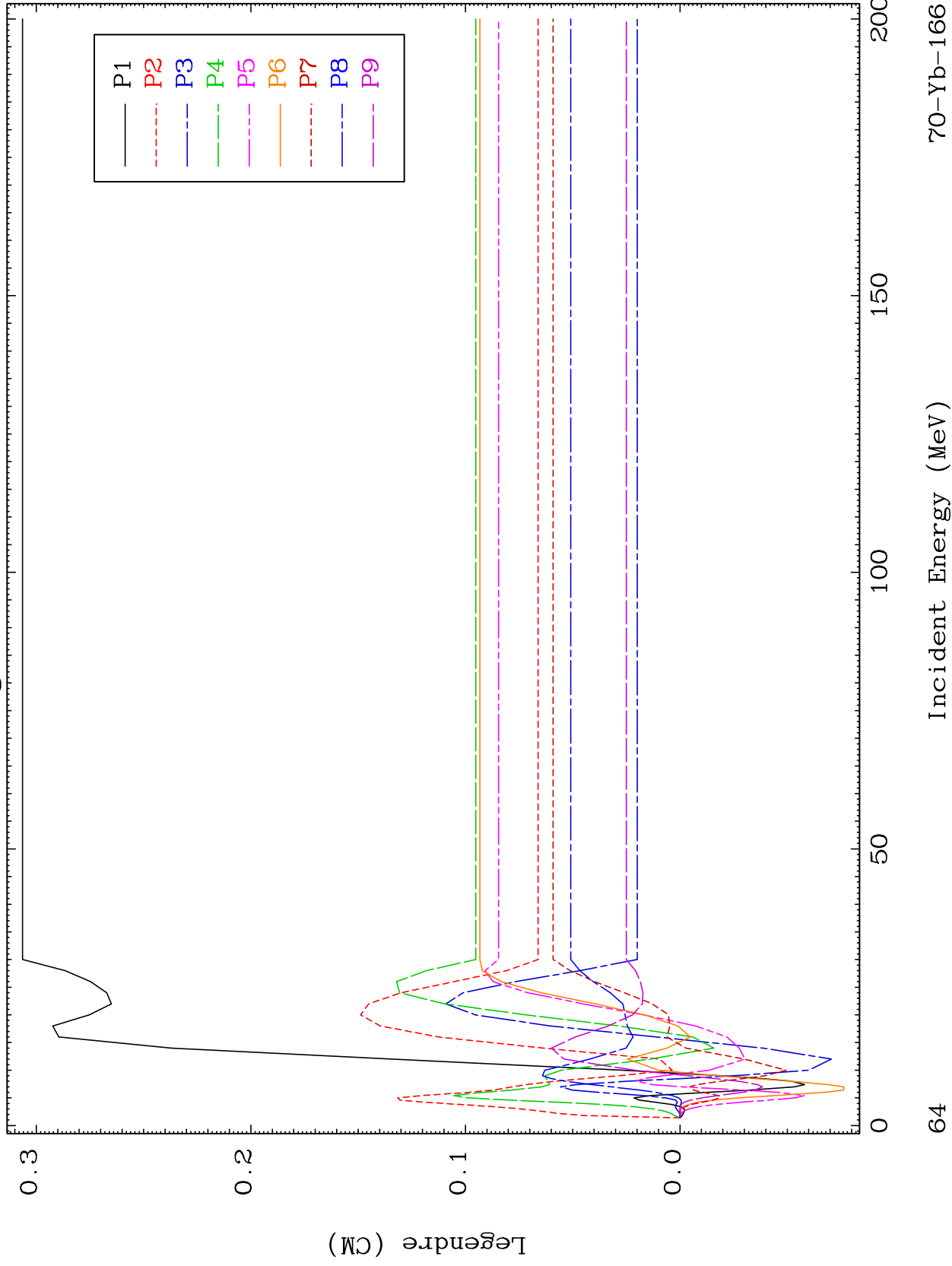
70-Yb-166



MAT 7019

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

70-Yb-166



70-Yb-166

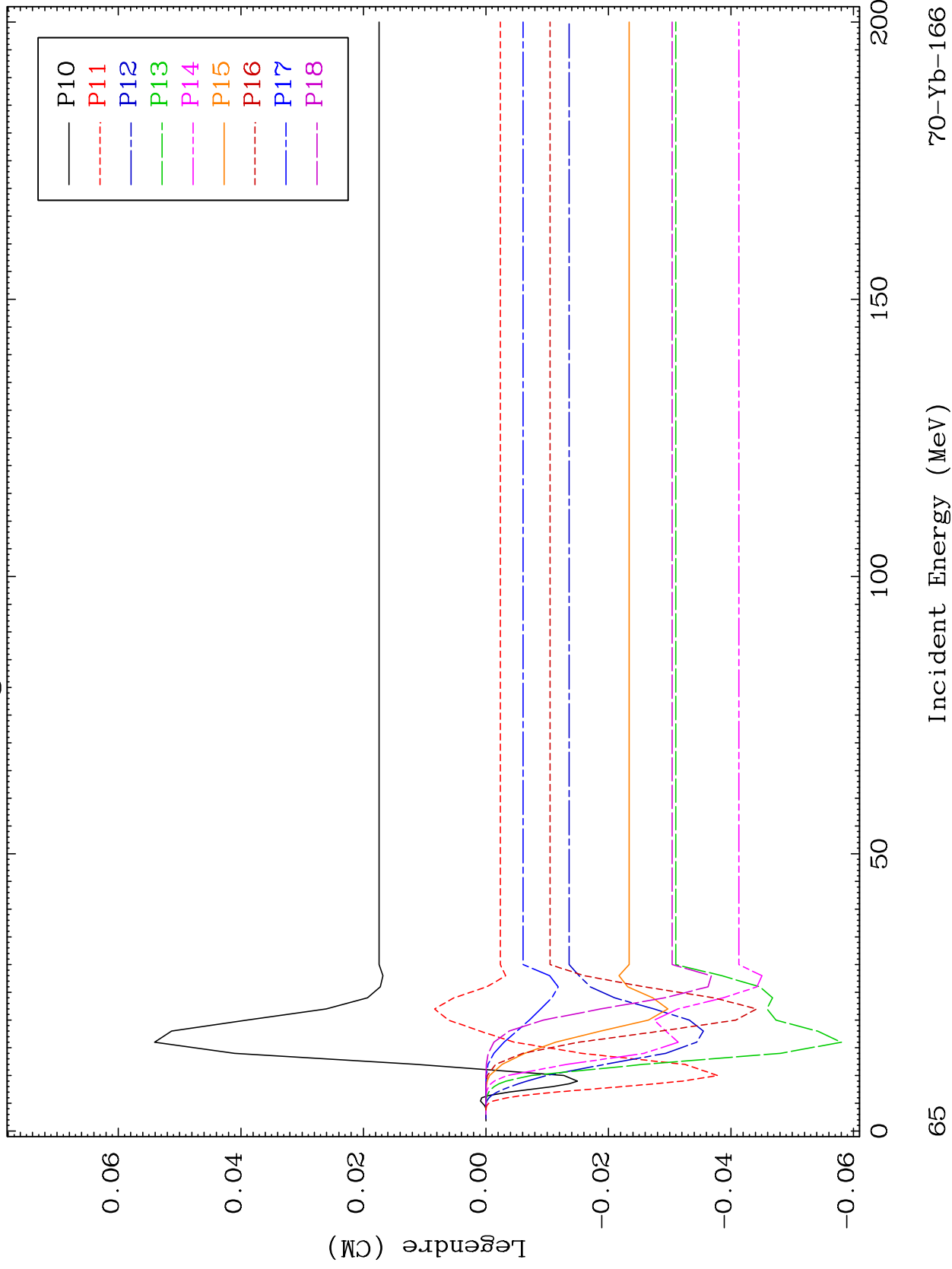
Incident Energy (MeV)

64

MAT 7019

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

70-Yb-166



70-Yb-166

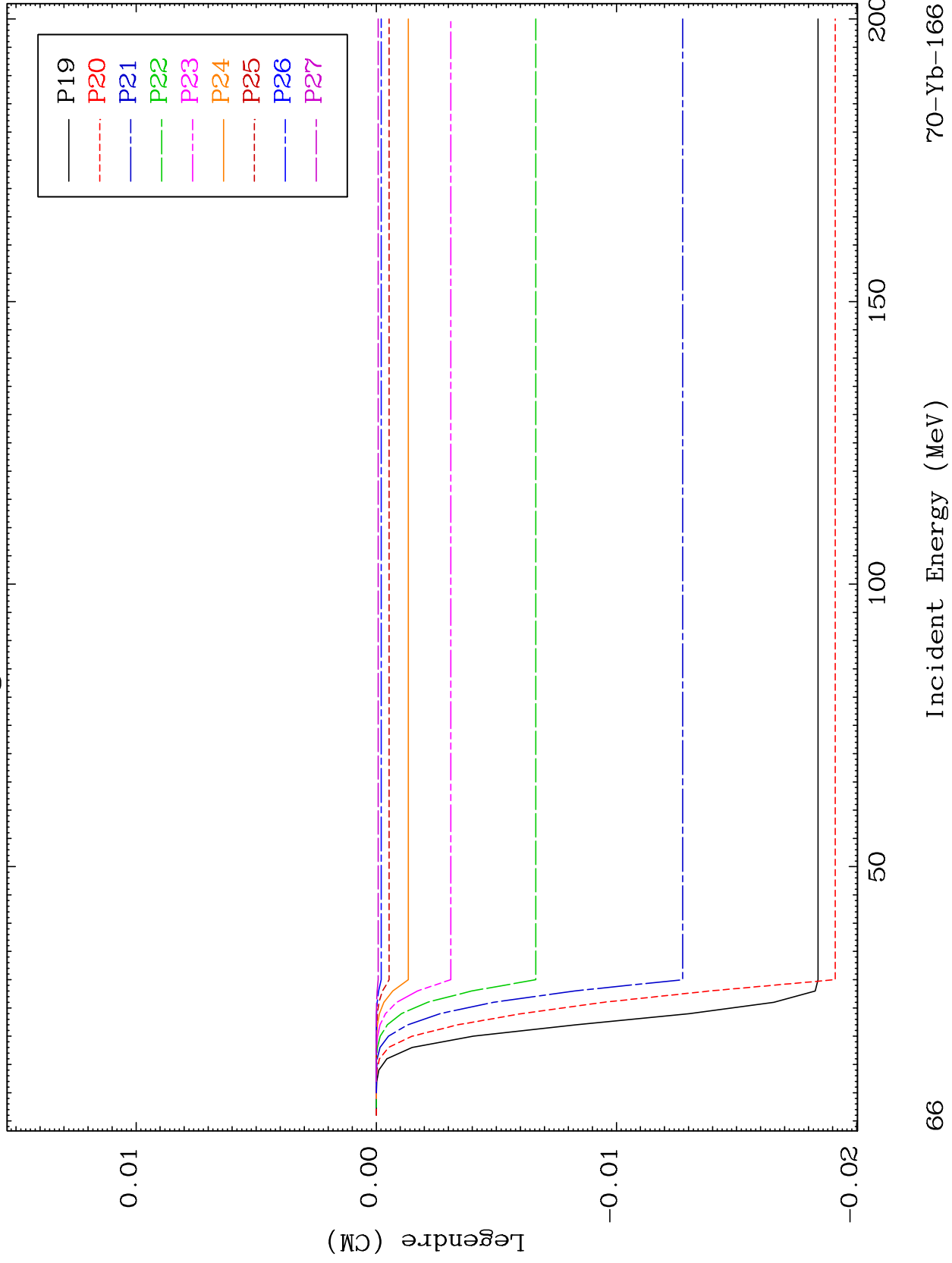
Incident Energy (MeV)

65

MAT 7019

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

70-Yb-166



66

Incident Energy (MeV)

70-Yb-166

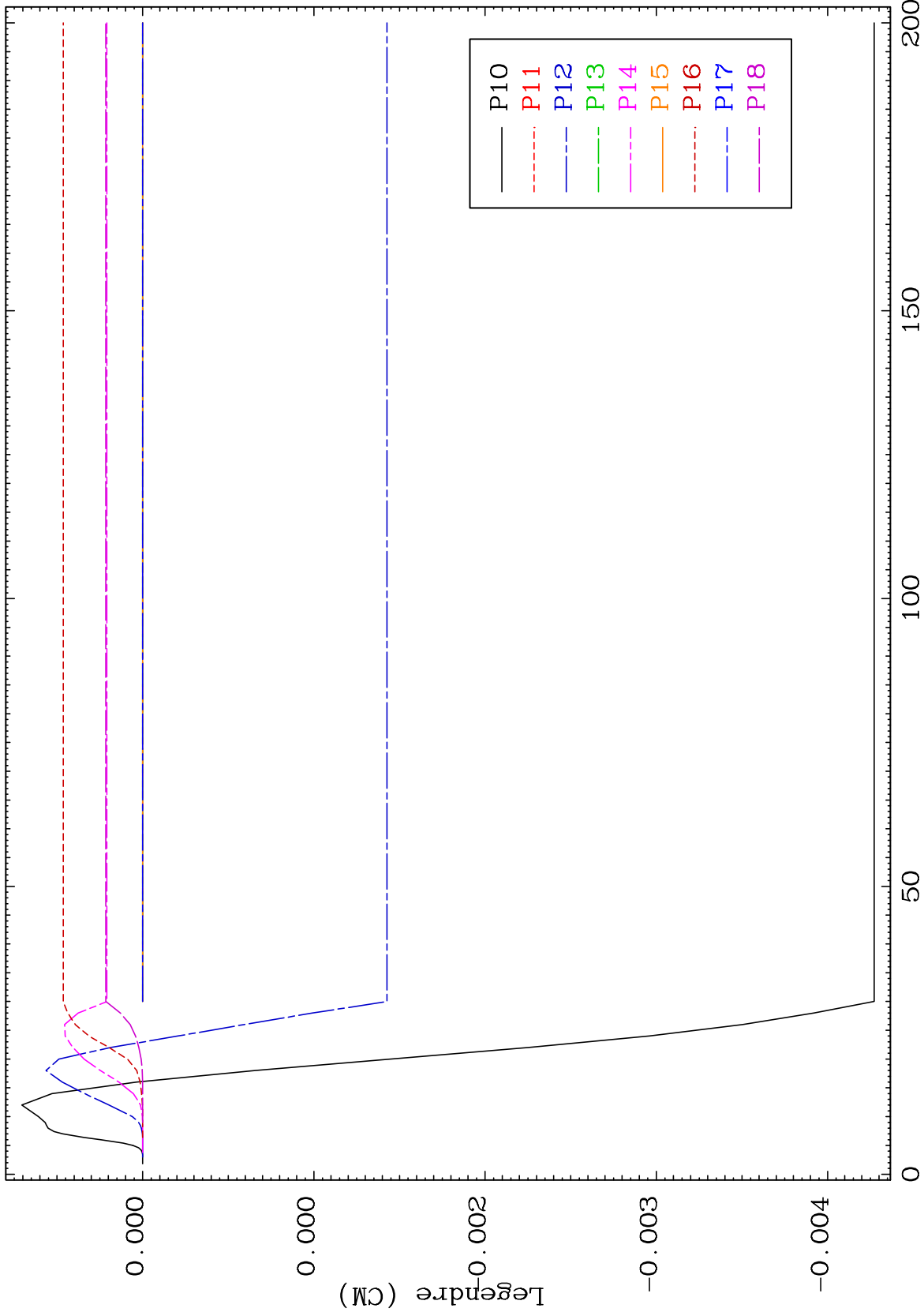




MAT 7019

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

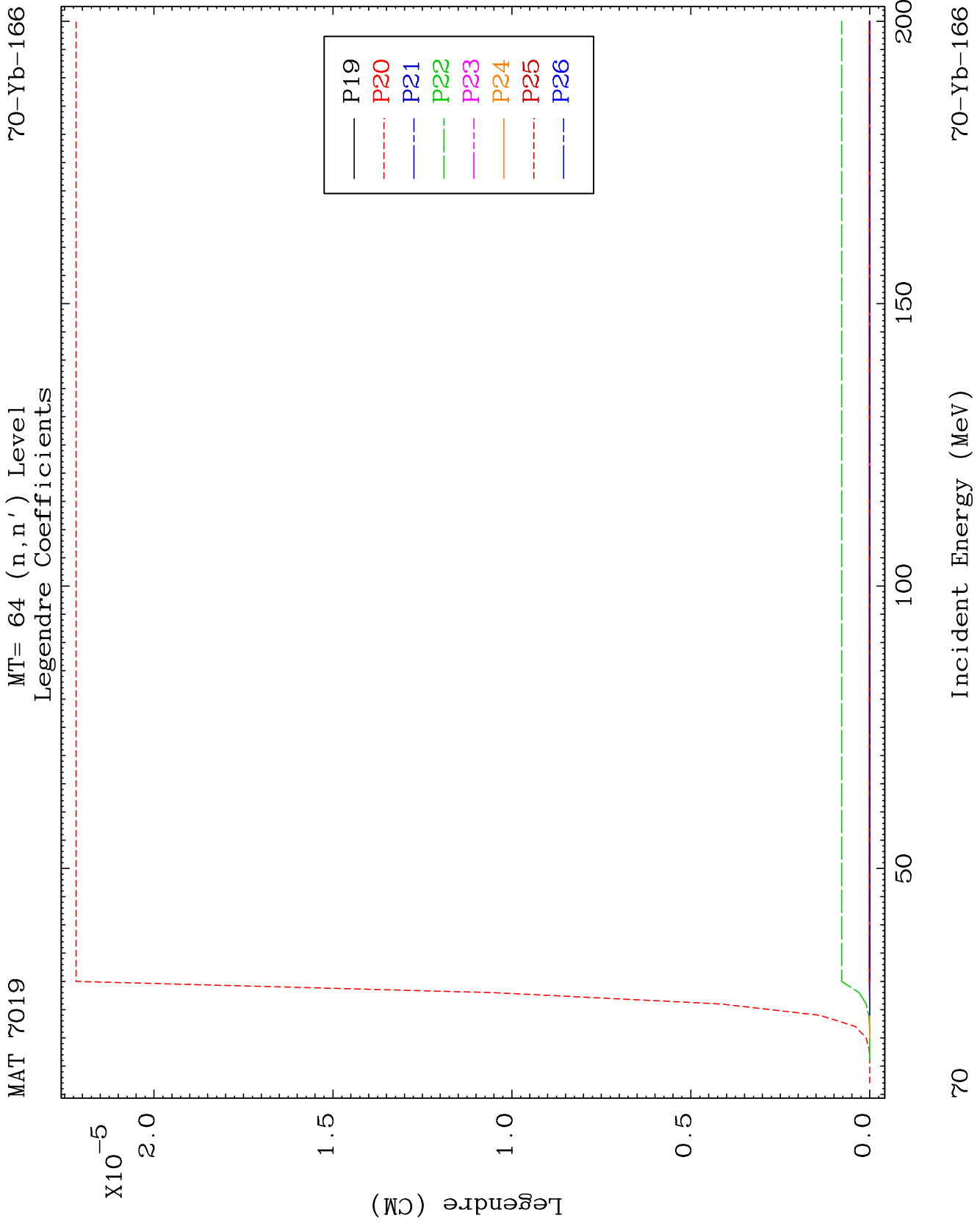
70-Yb-166



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Incident Energy (MeV)

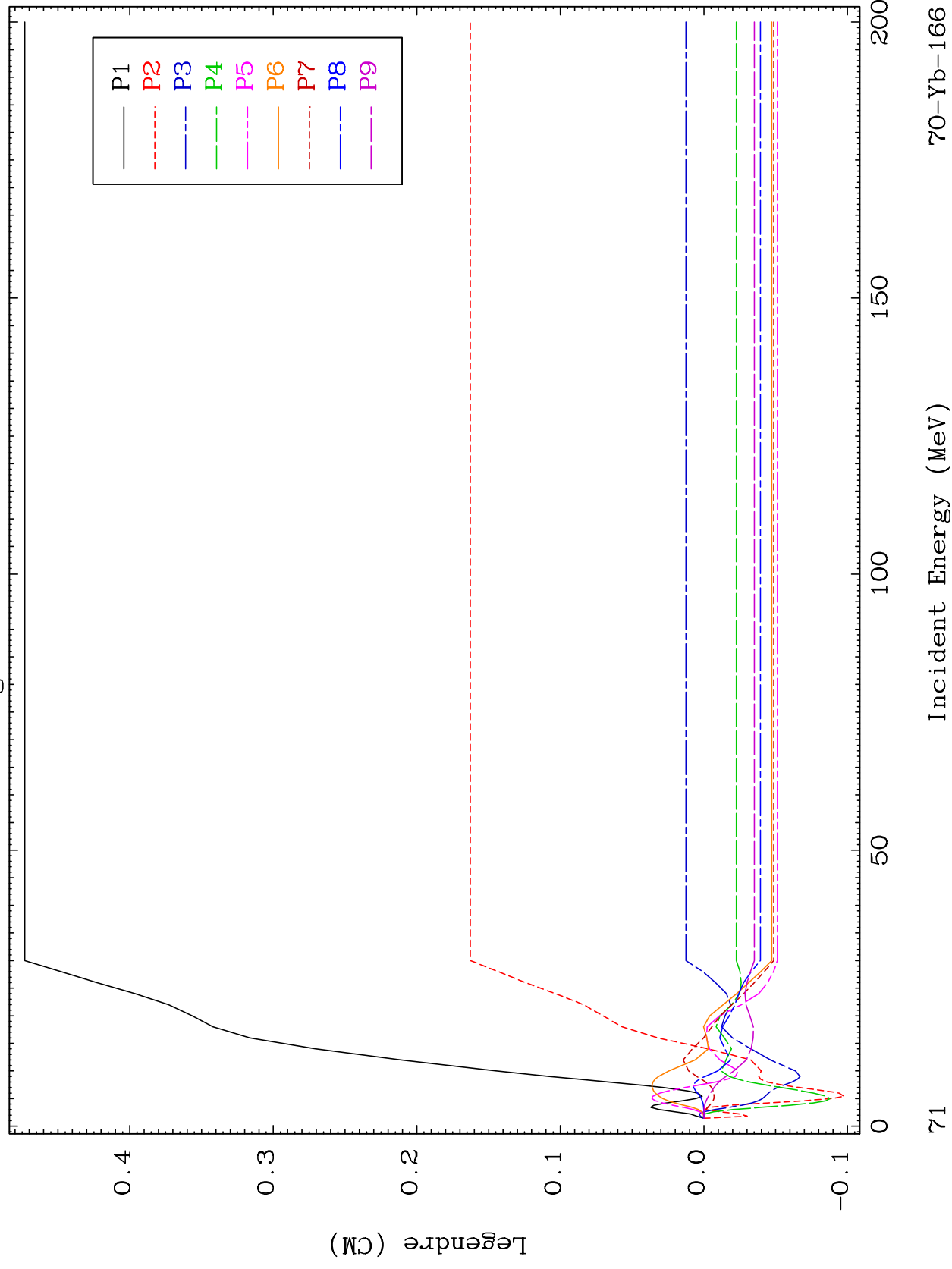
70-Yb-166



MAT 7019

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

70-Yb-166



70-Yb-166

Incident Energy (MeV)

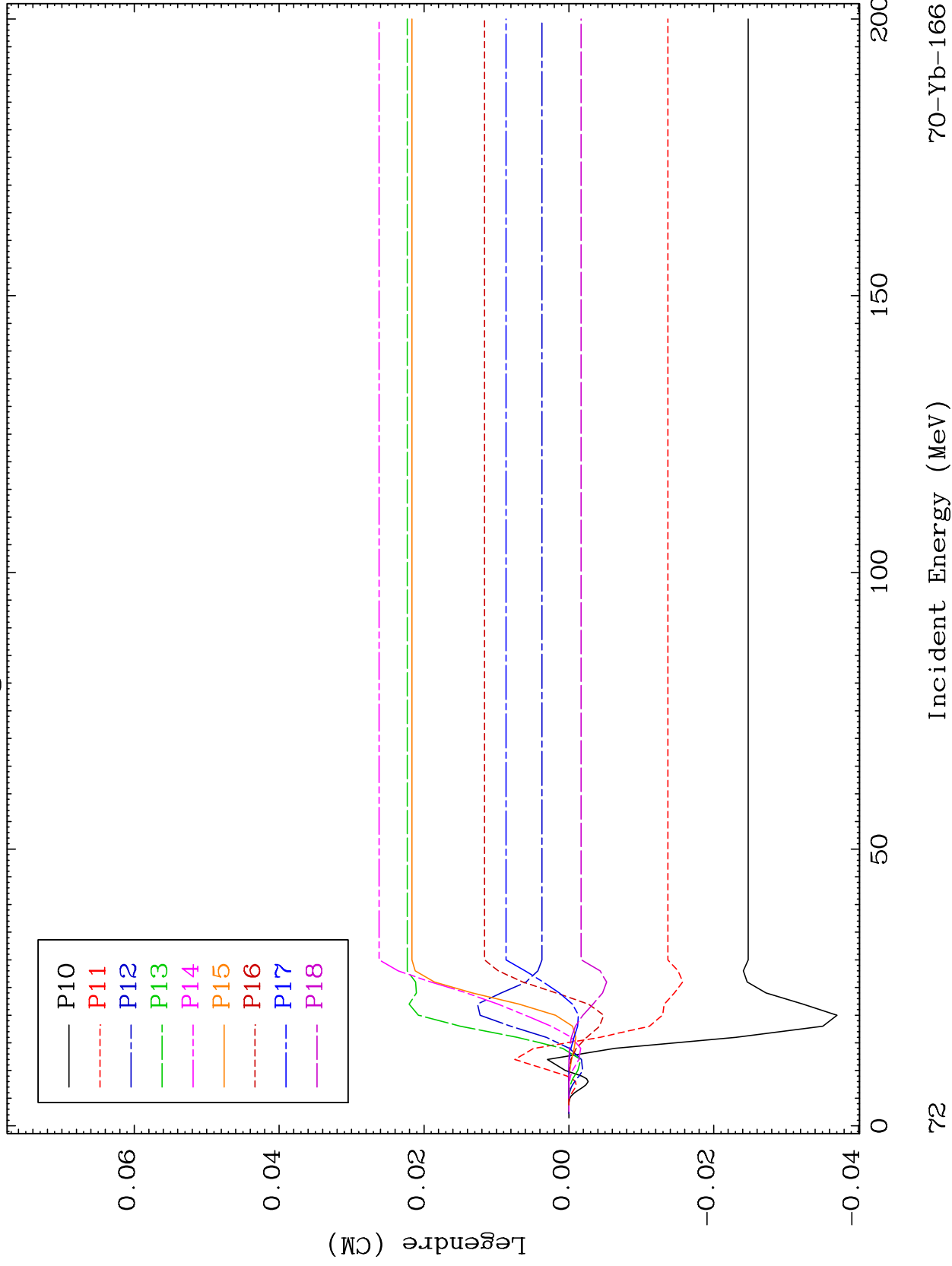
71



MAT 7019

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

70-Yb-166



72

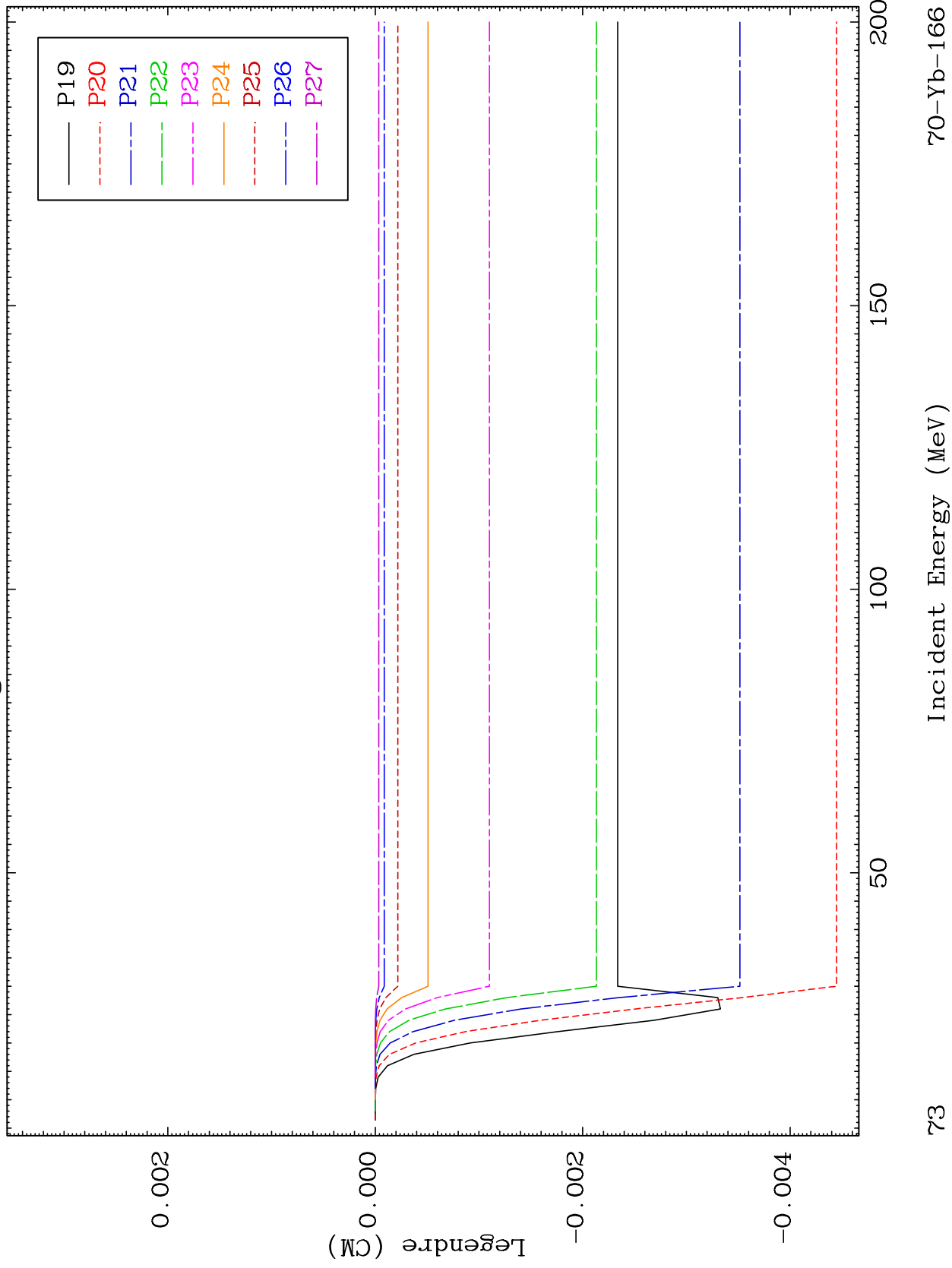
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

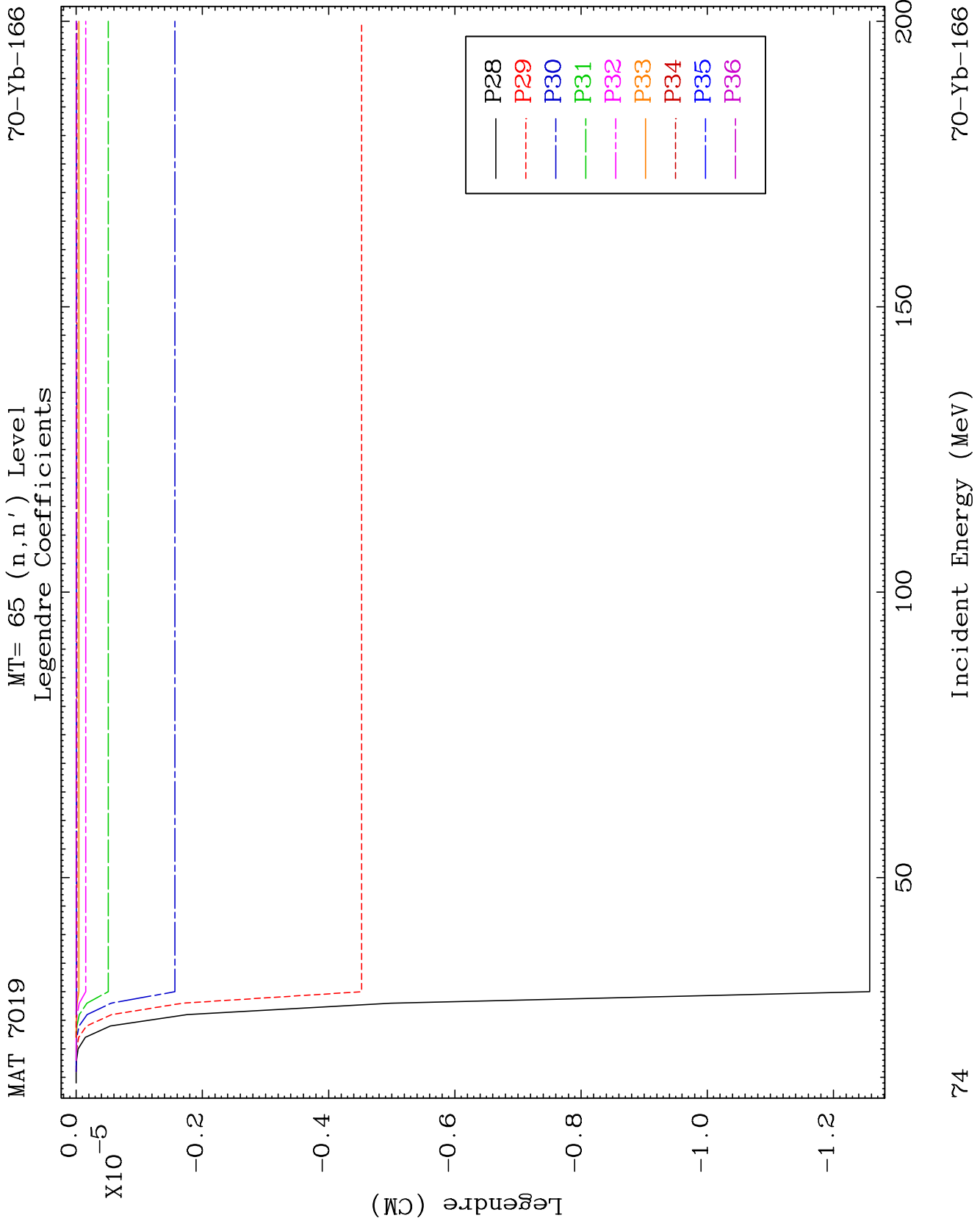
70-Yb-166

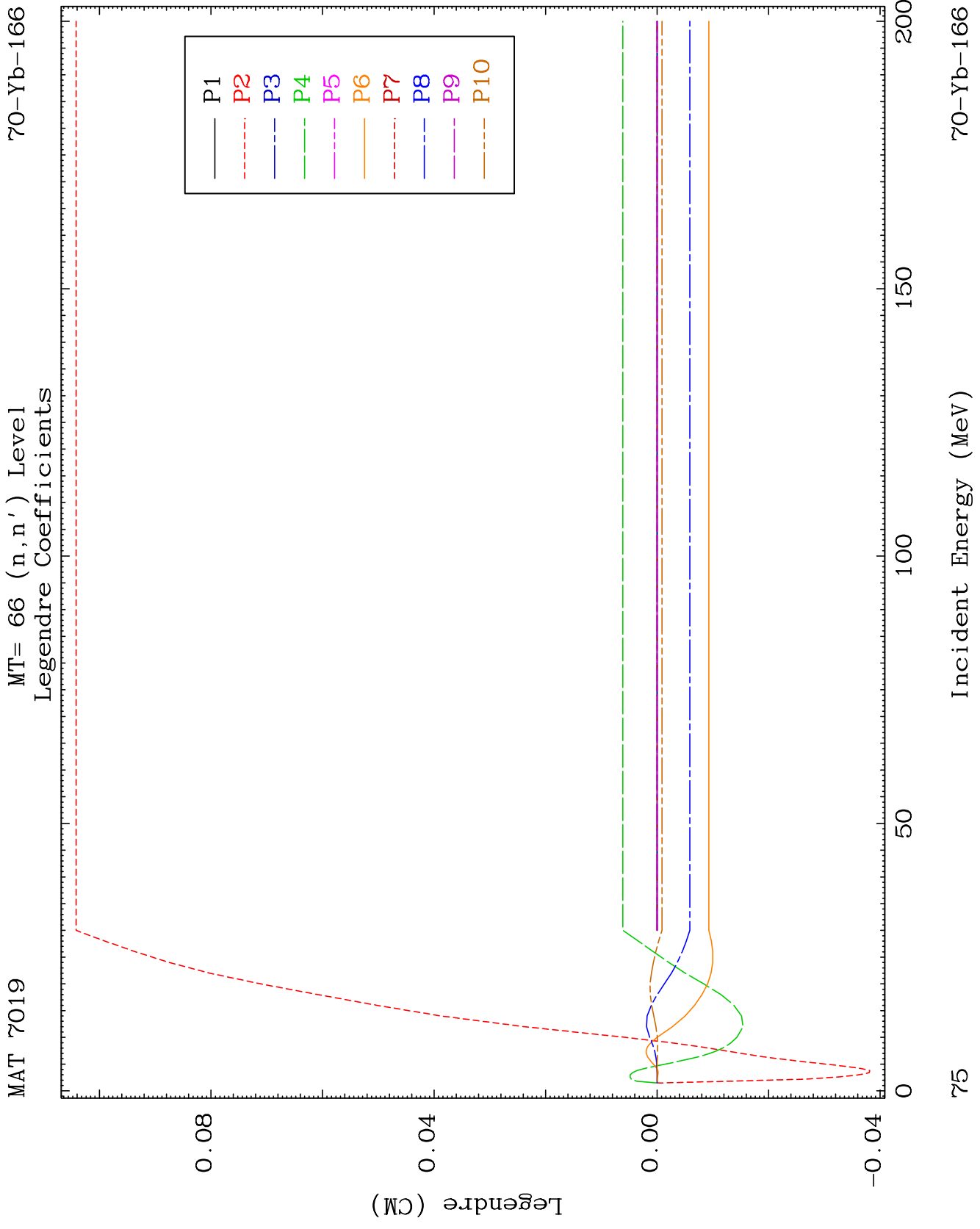


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Incident Energy (MeV)

70-Yb-166

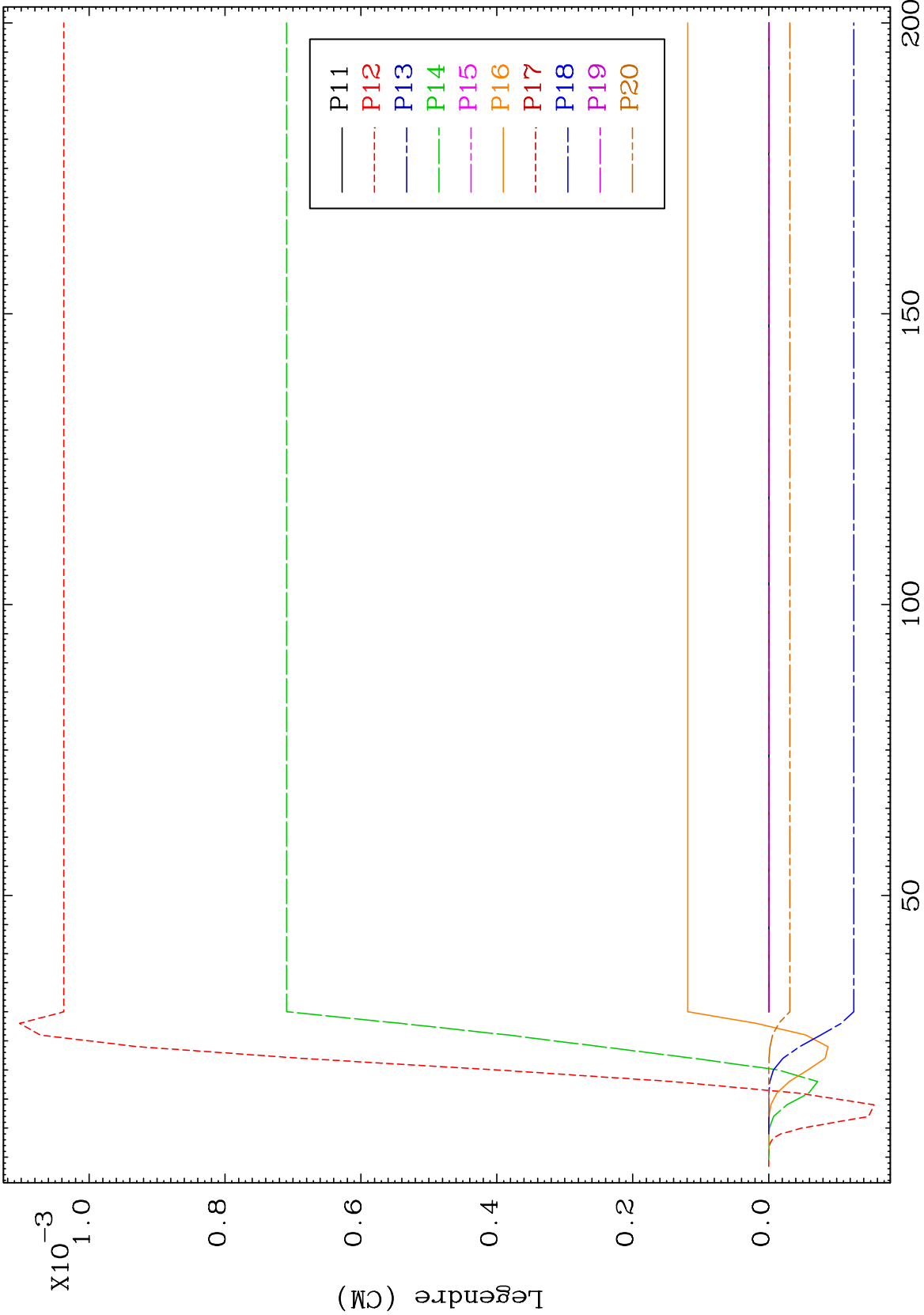




MAT 7019

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

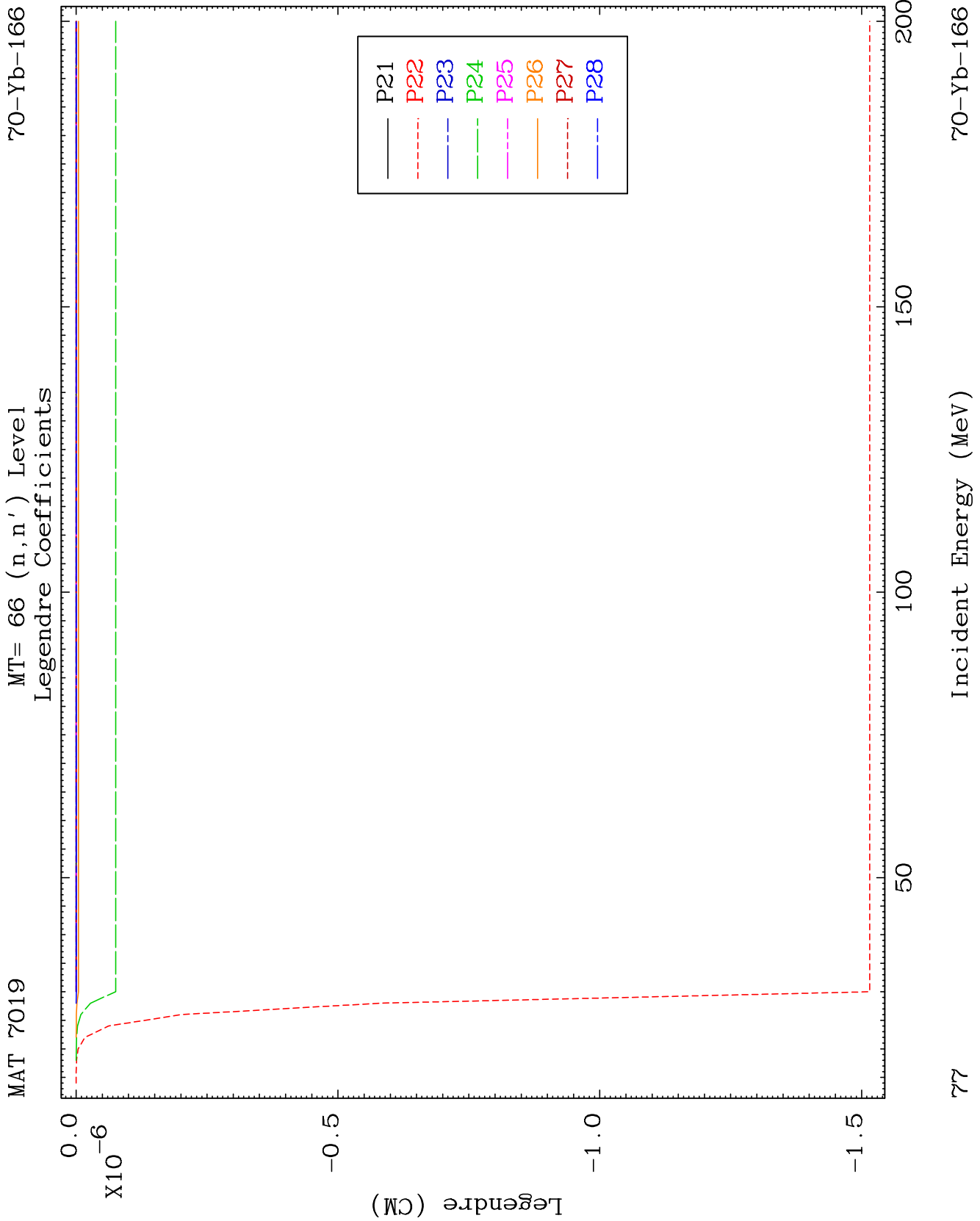
70-Yb-166



76

Incident Energy (MeV)

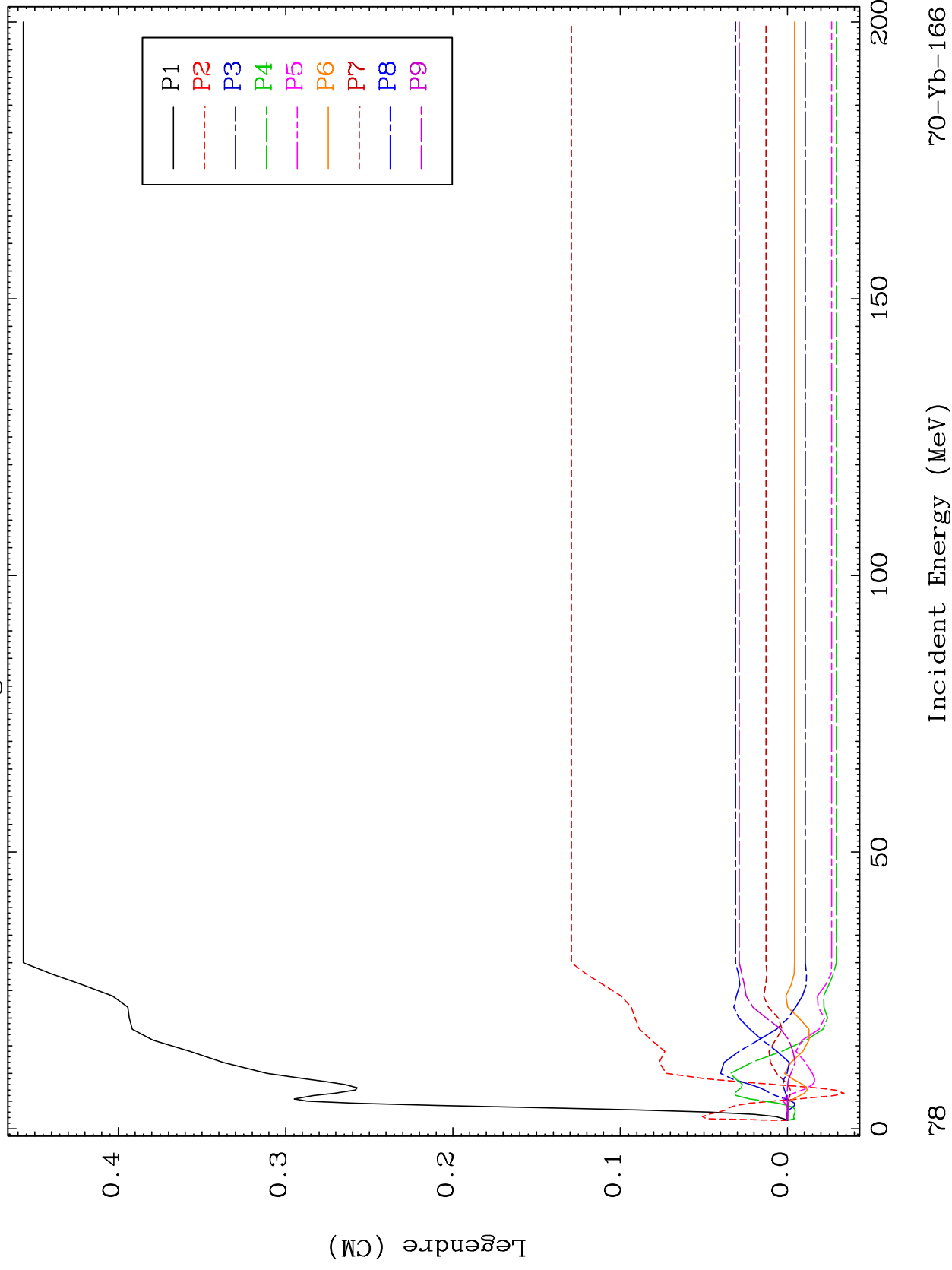
70-Yb-166



MAT 7019

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

70-Yb-166



70-Yb-166

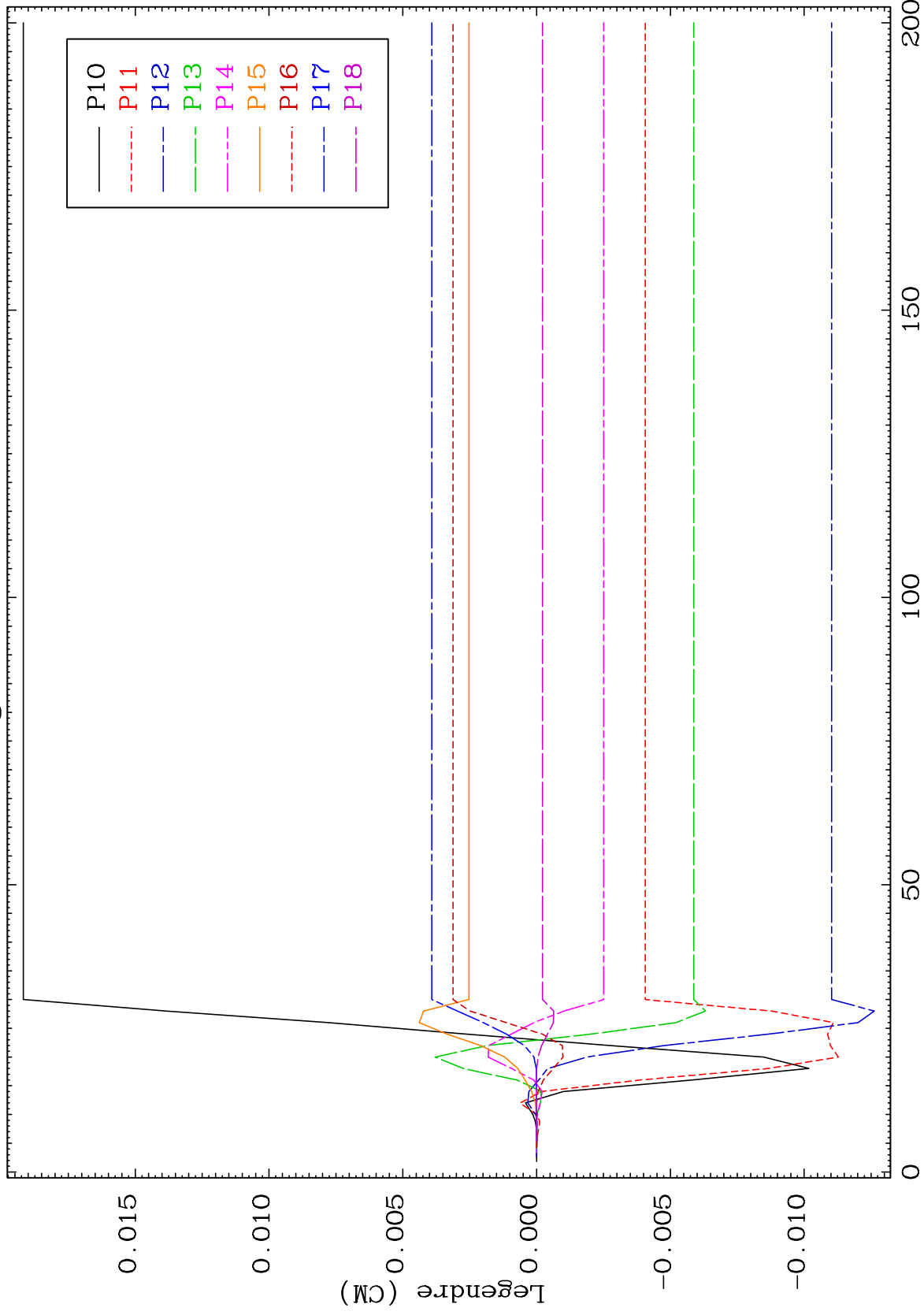
Incident Energy (MeV)

78

MAT 7019

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

70-Yb-166

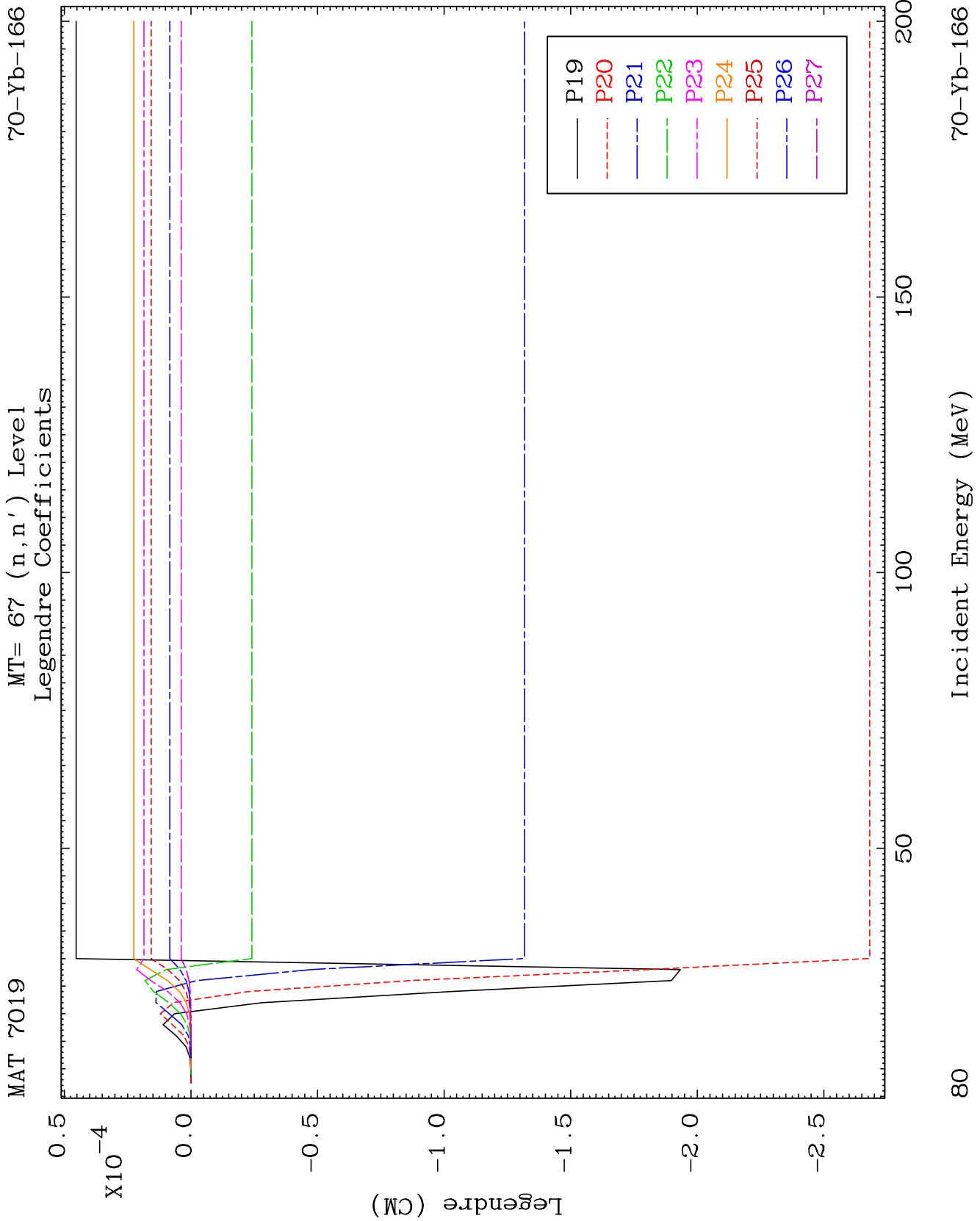


79

Incident Energy (MeV)

70-Yb-166

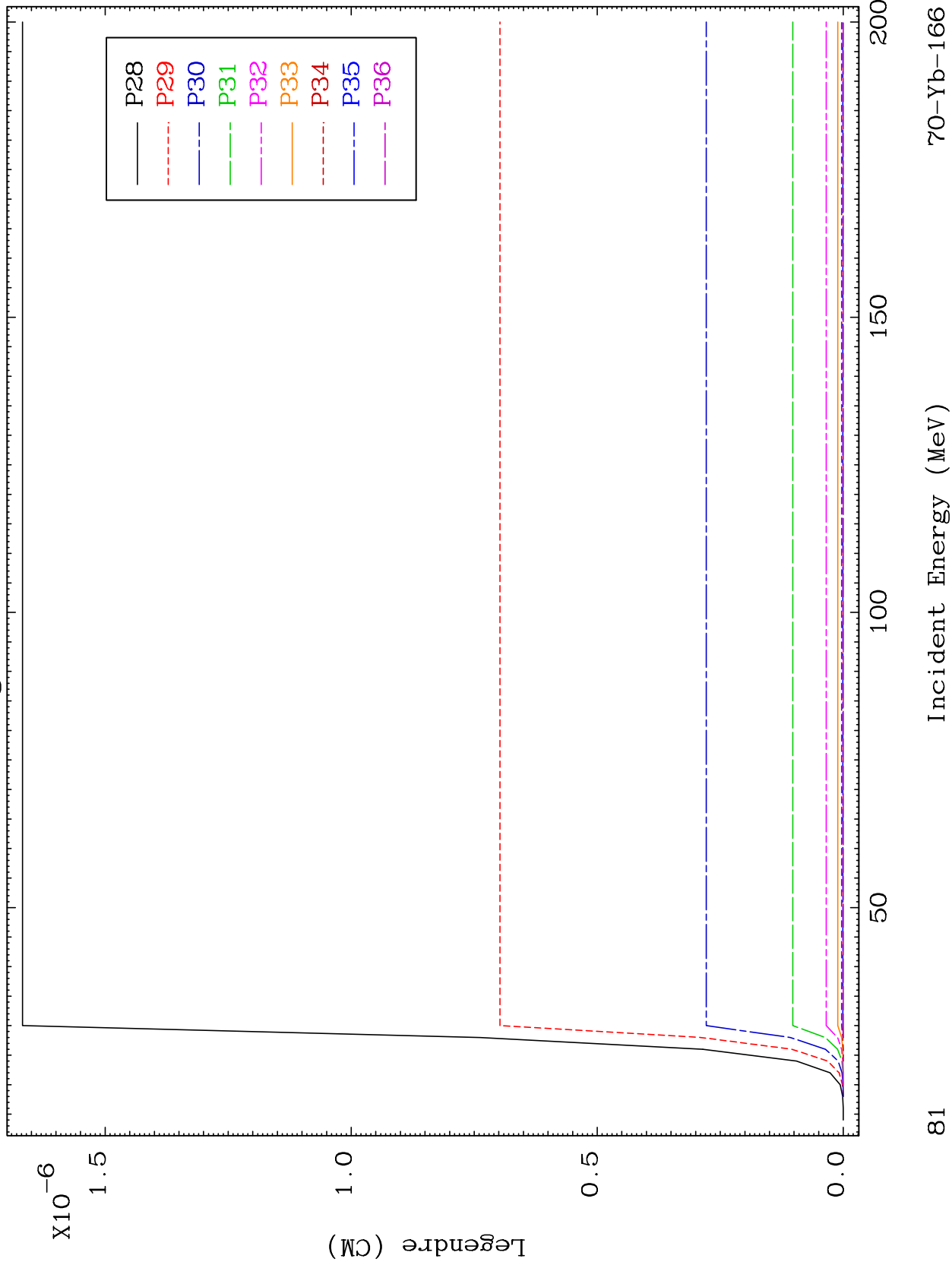




MAT 7019

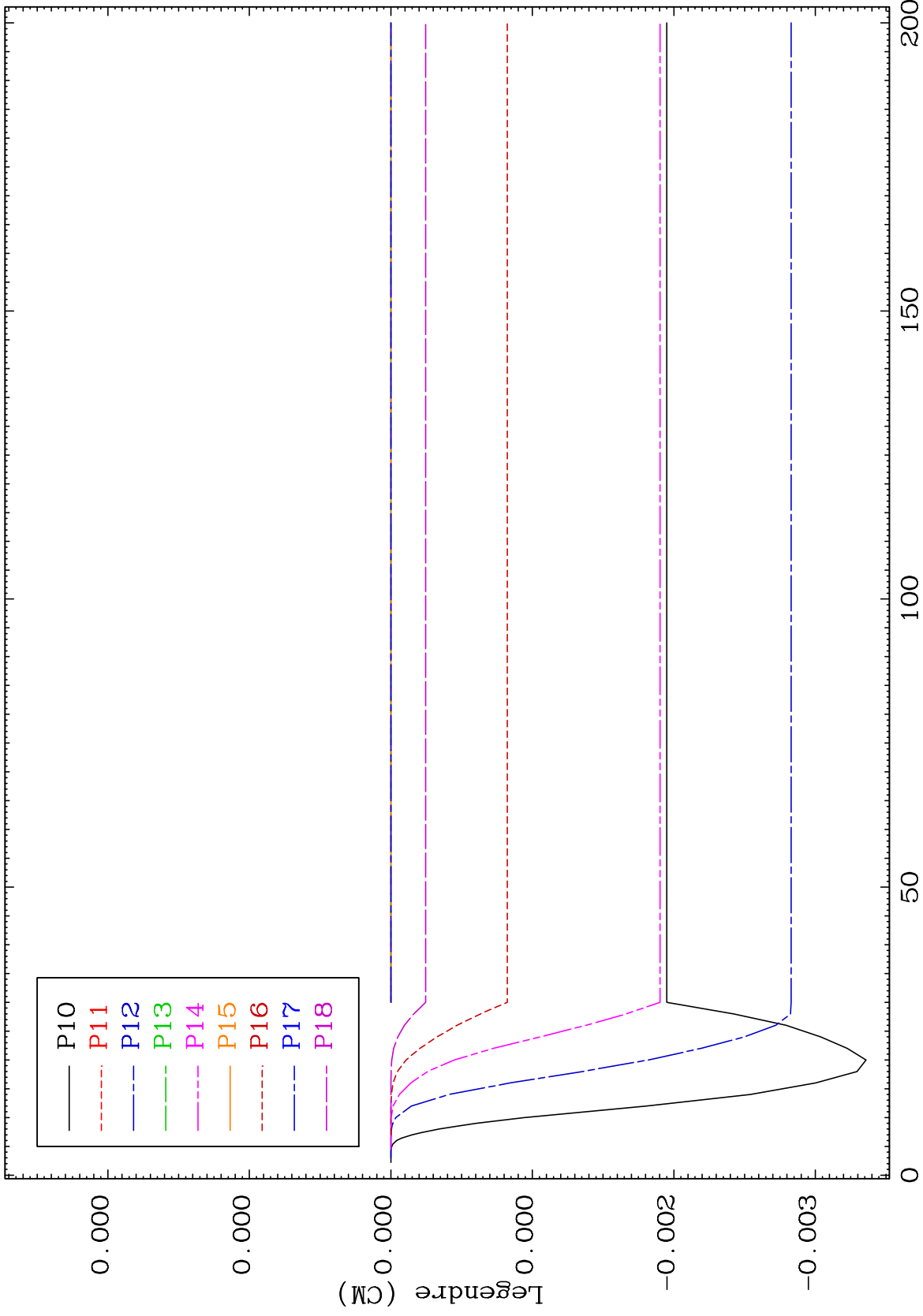
MT= 67 (n,n') Level  
Legendre Coefficients

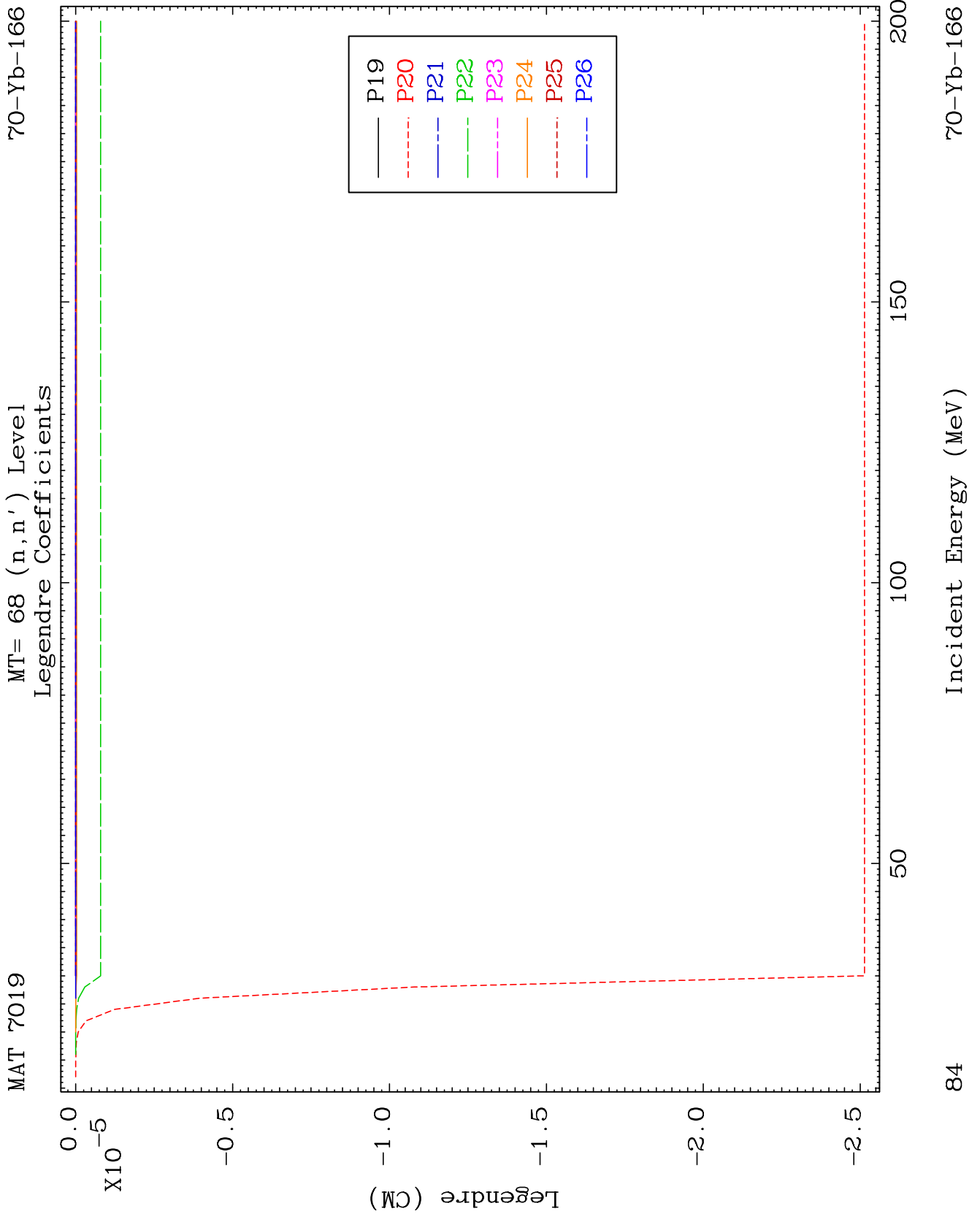
70-Yb-166

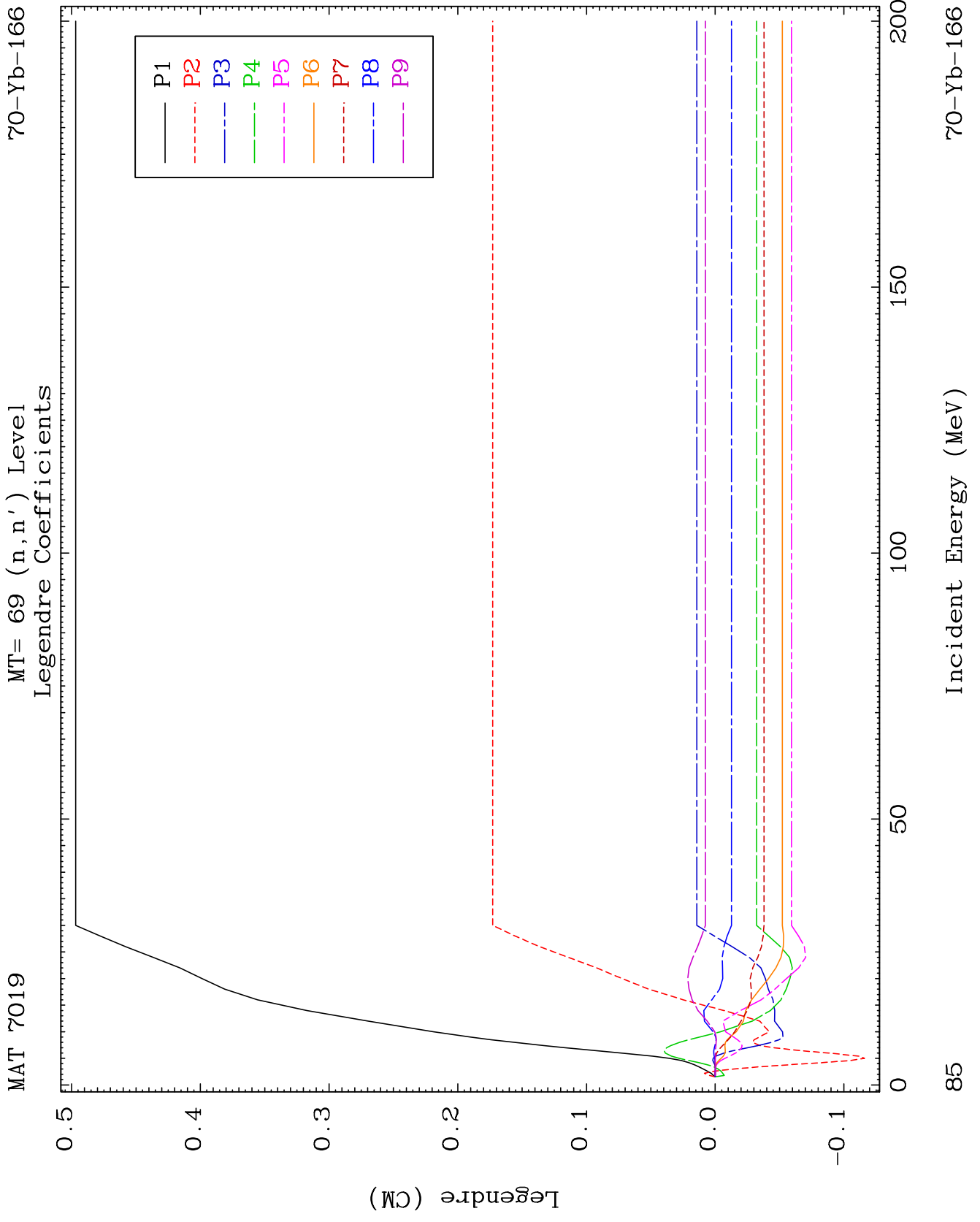


81





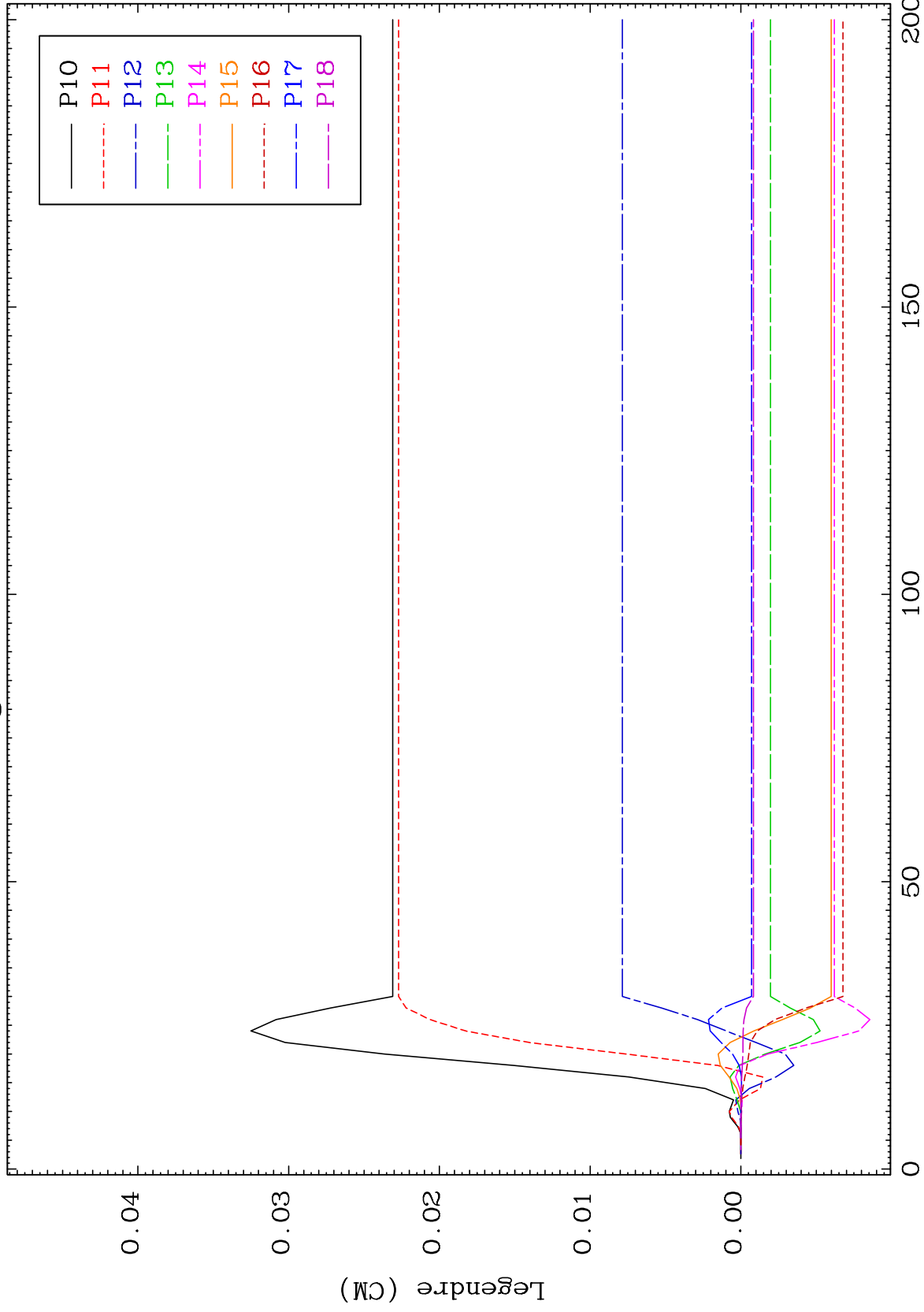




MAT 7019

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

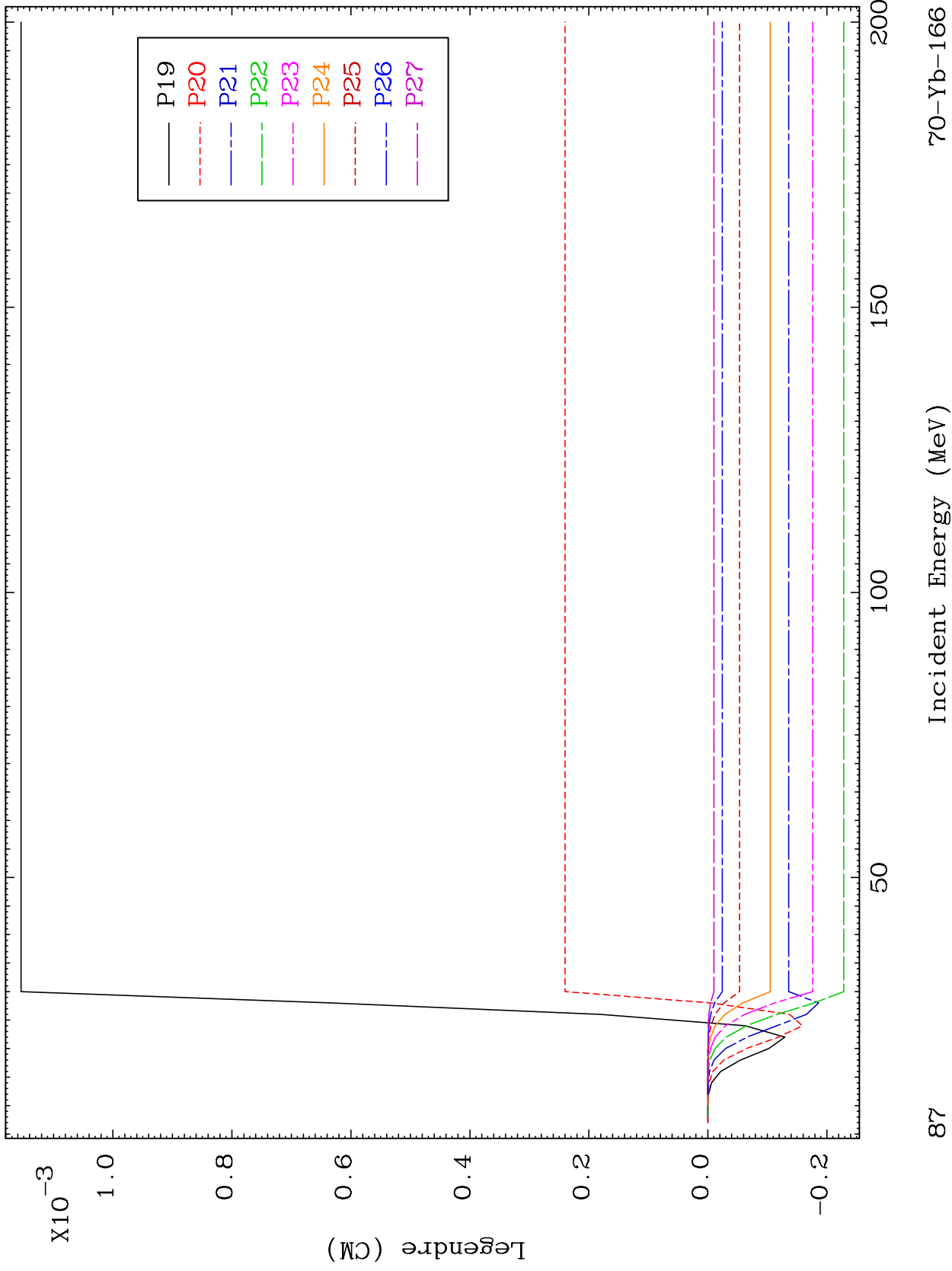
70-Yb-166



86

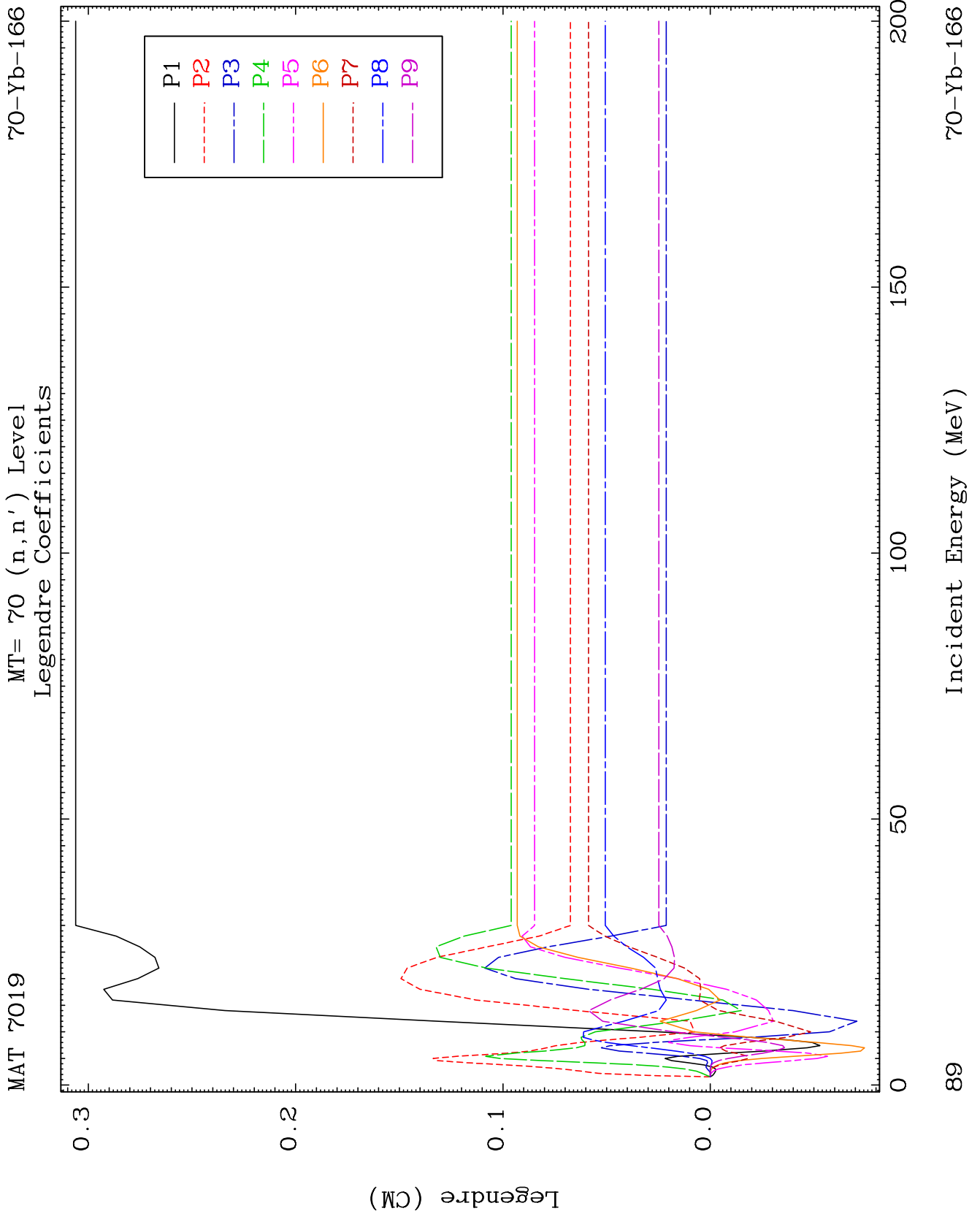
Incident Energy (MeV)

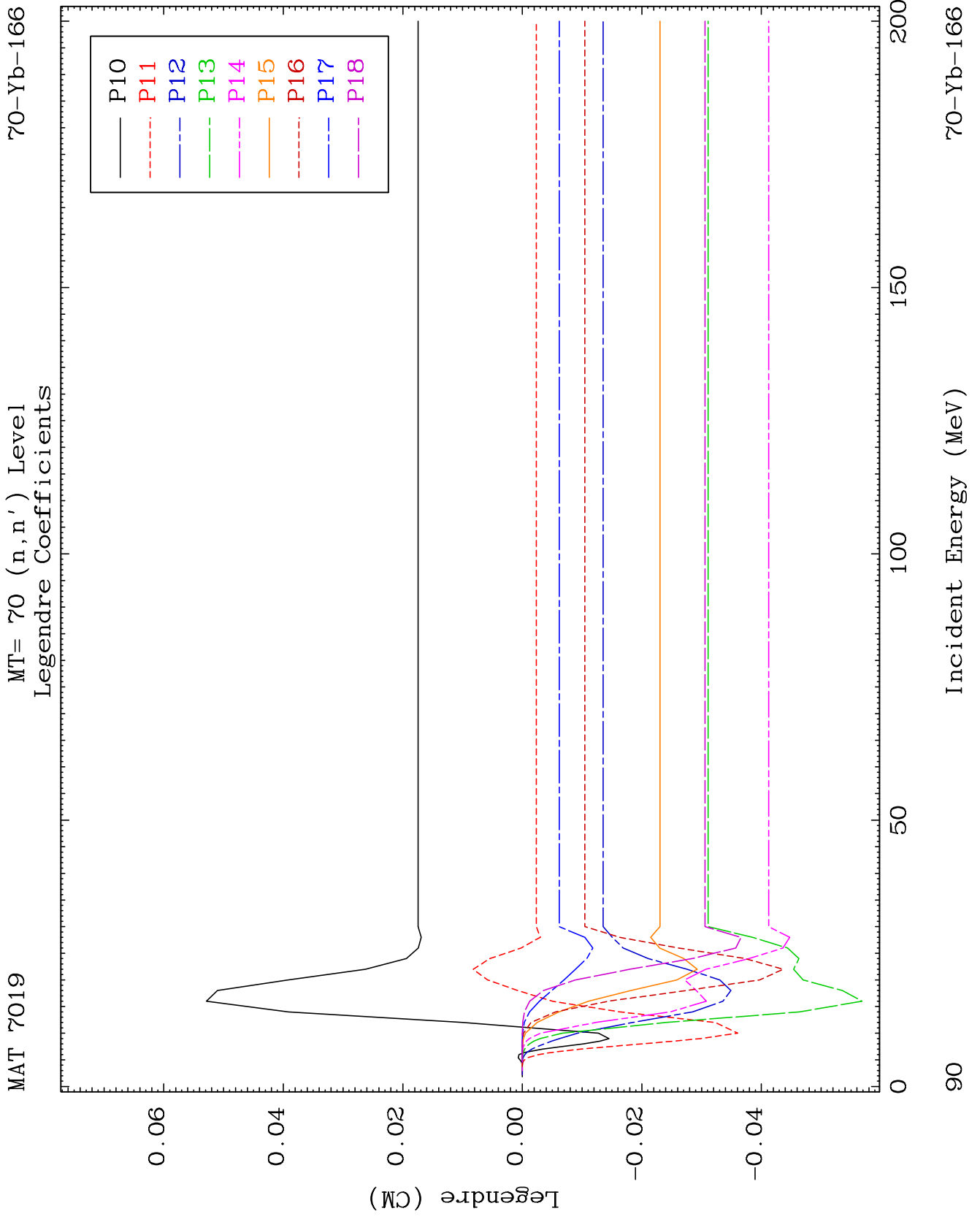
70-Yb-166

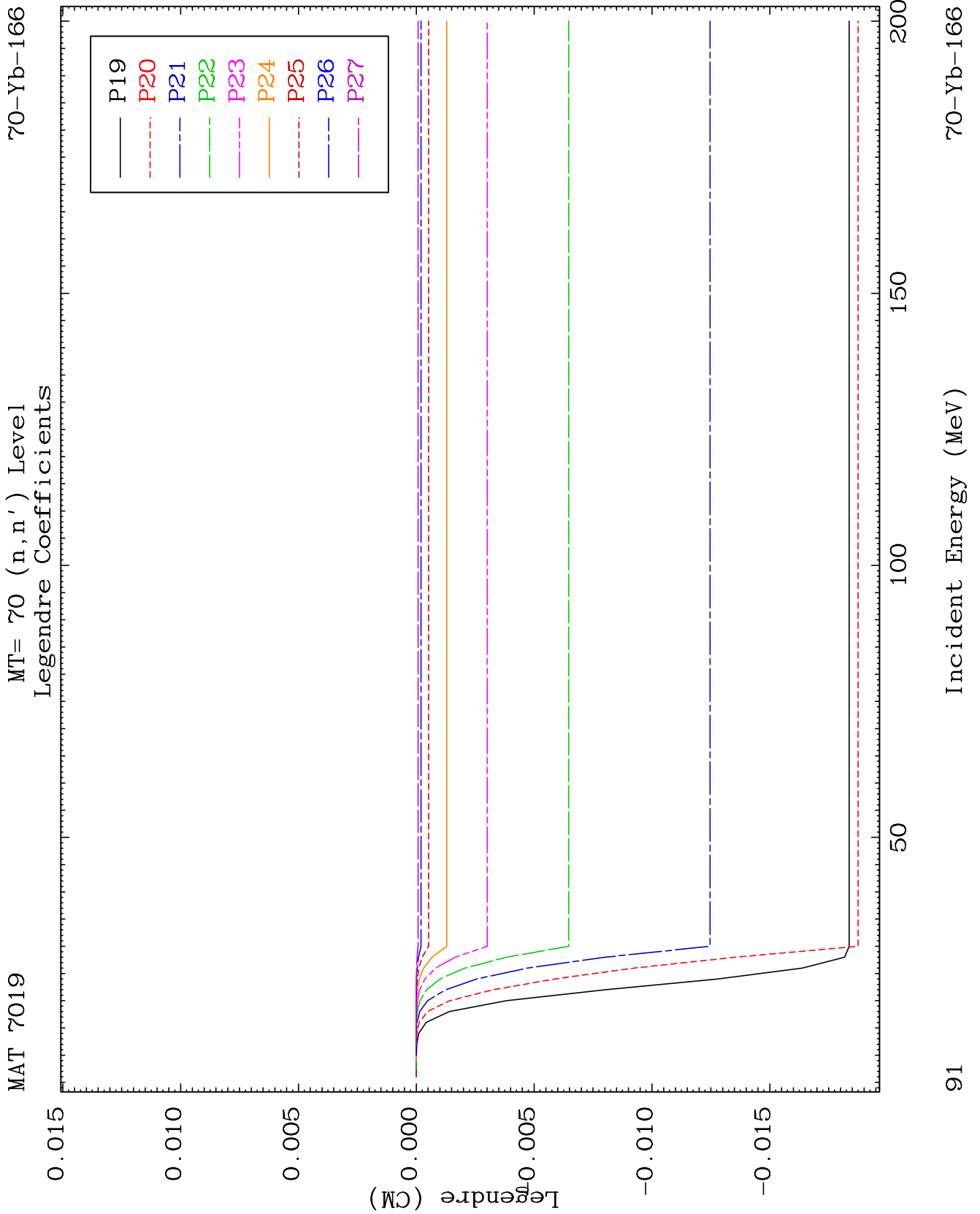


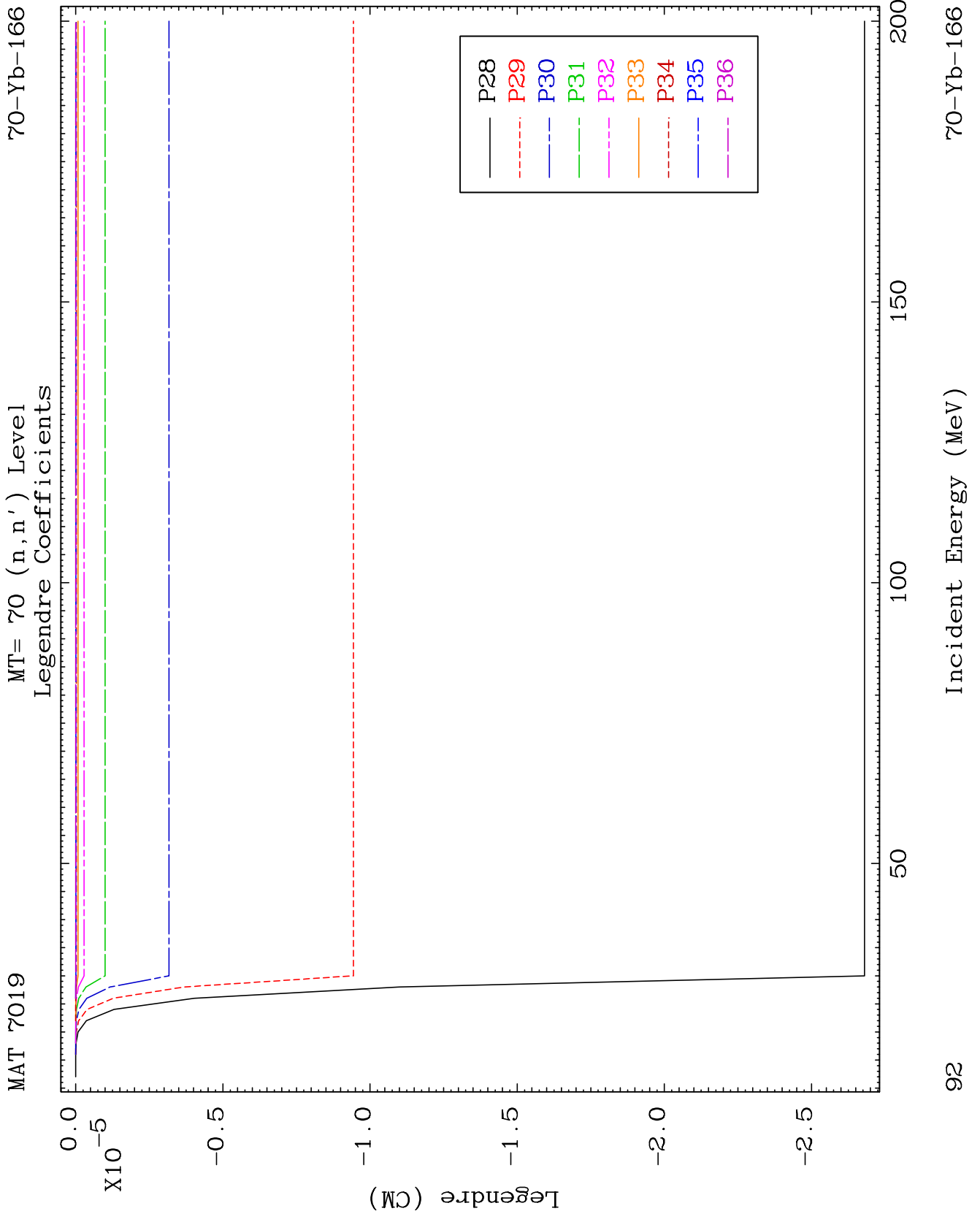










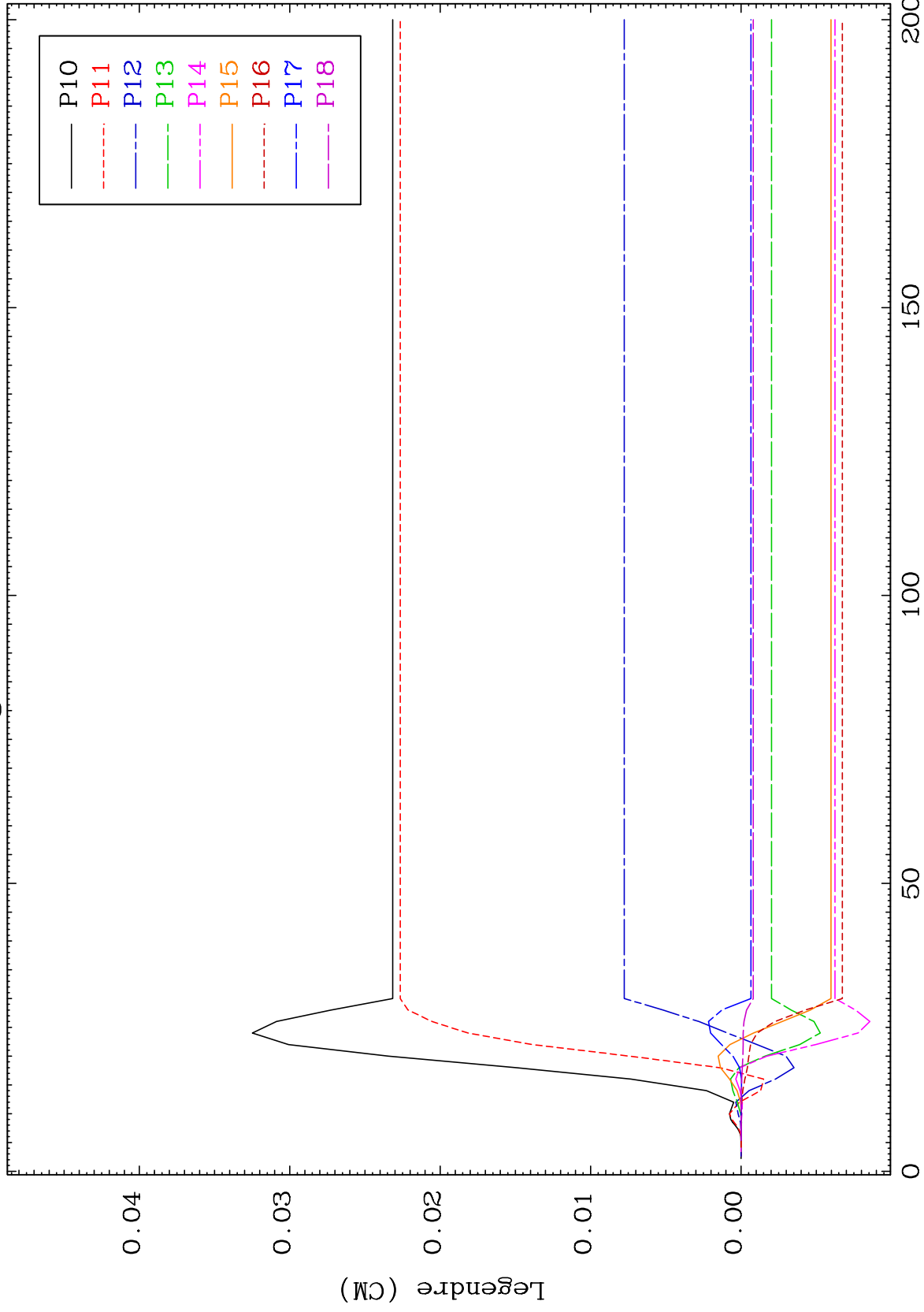




MAT 7019

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

70-Yb-166



94

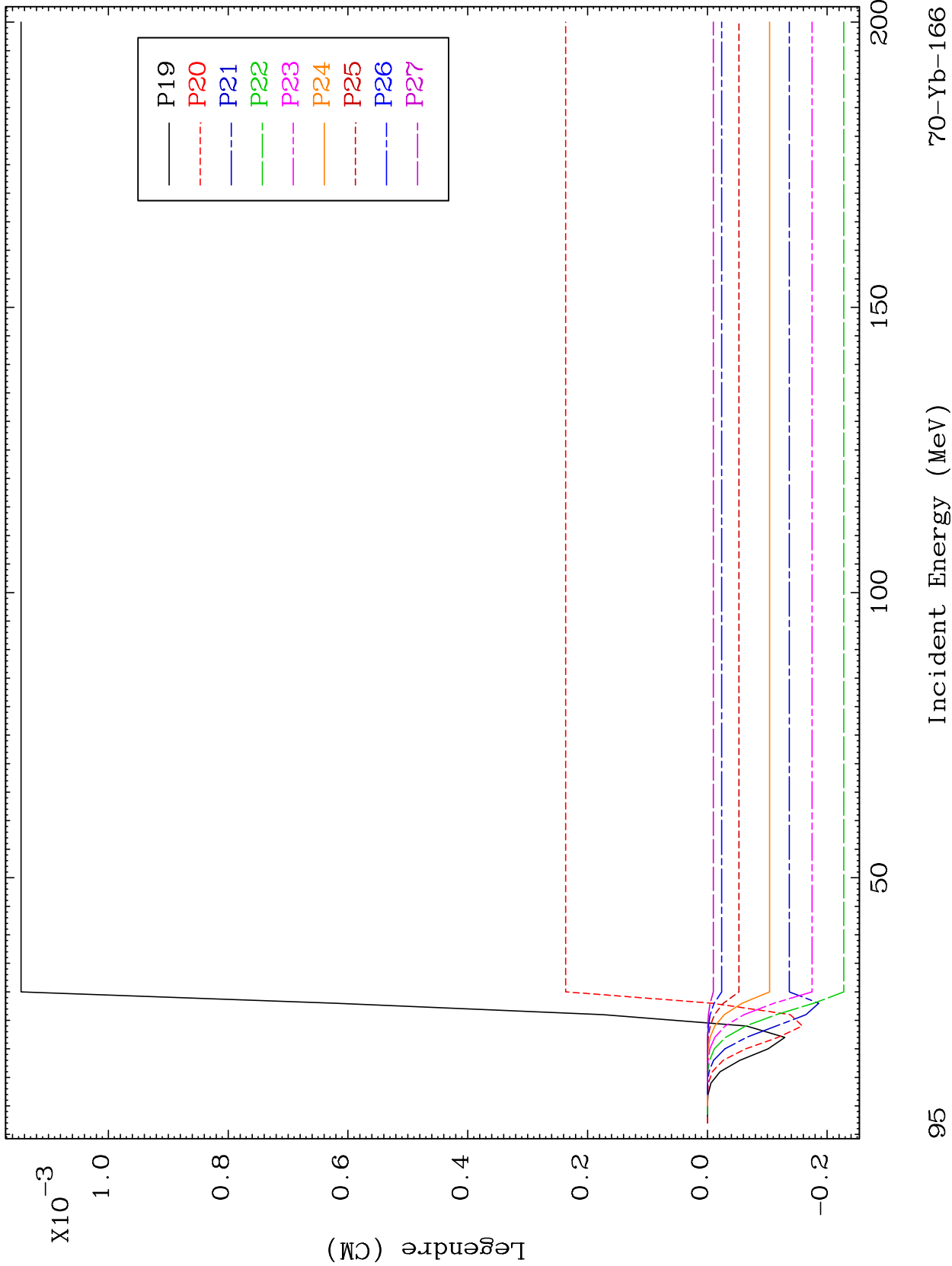
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

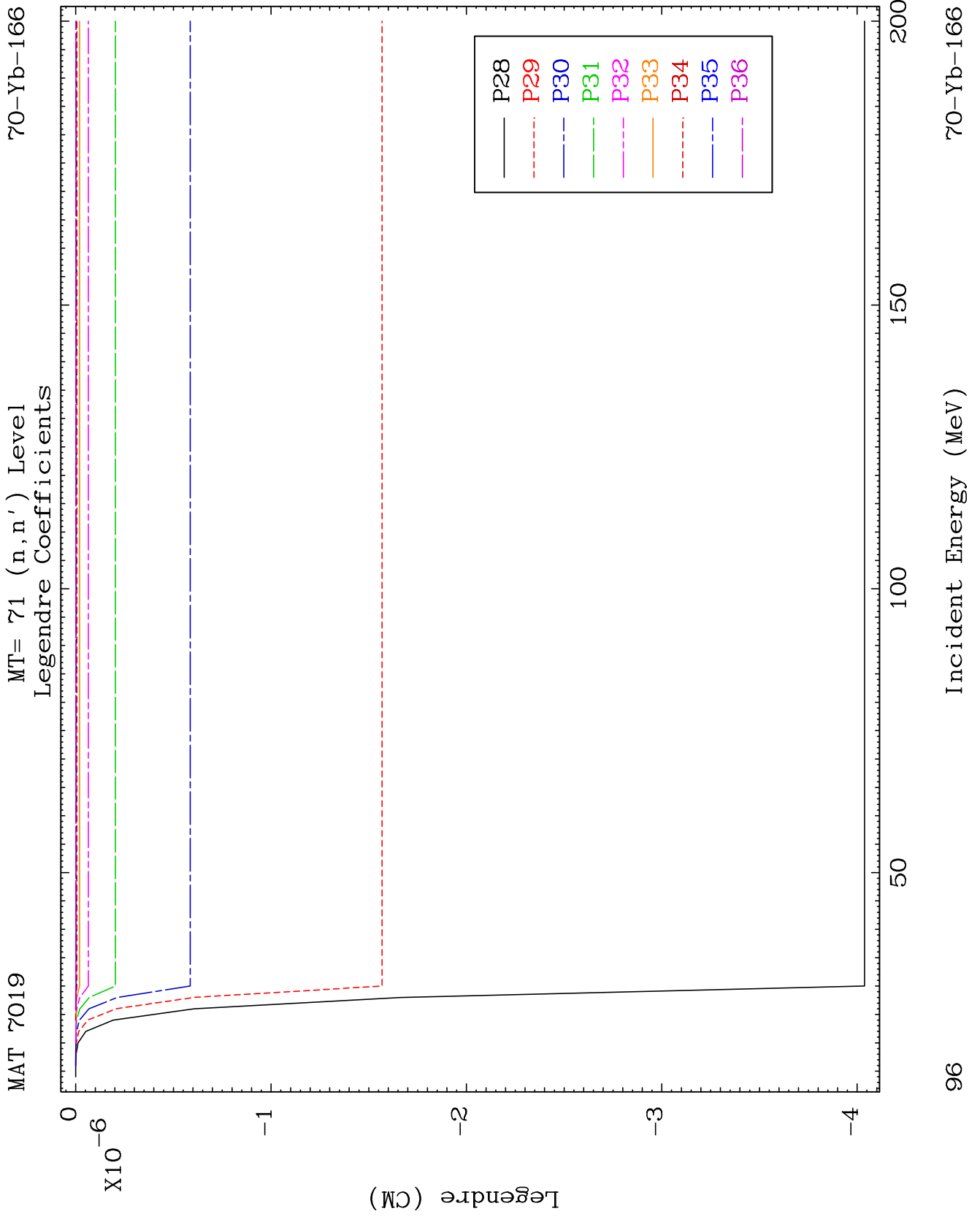
70-Yb-166



95

70-Yb-166

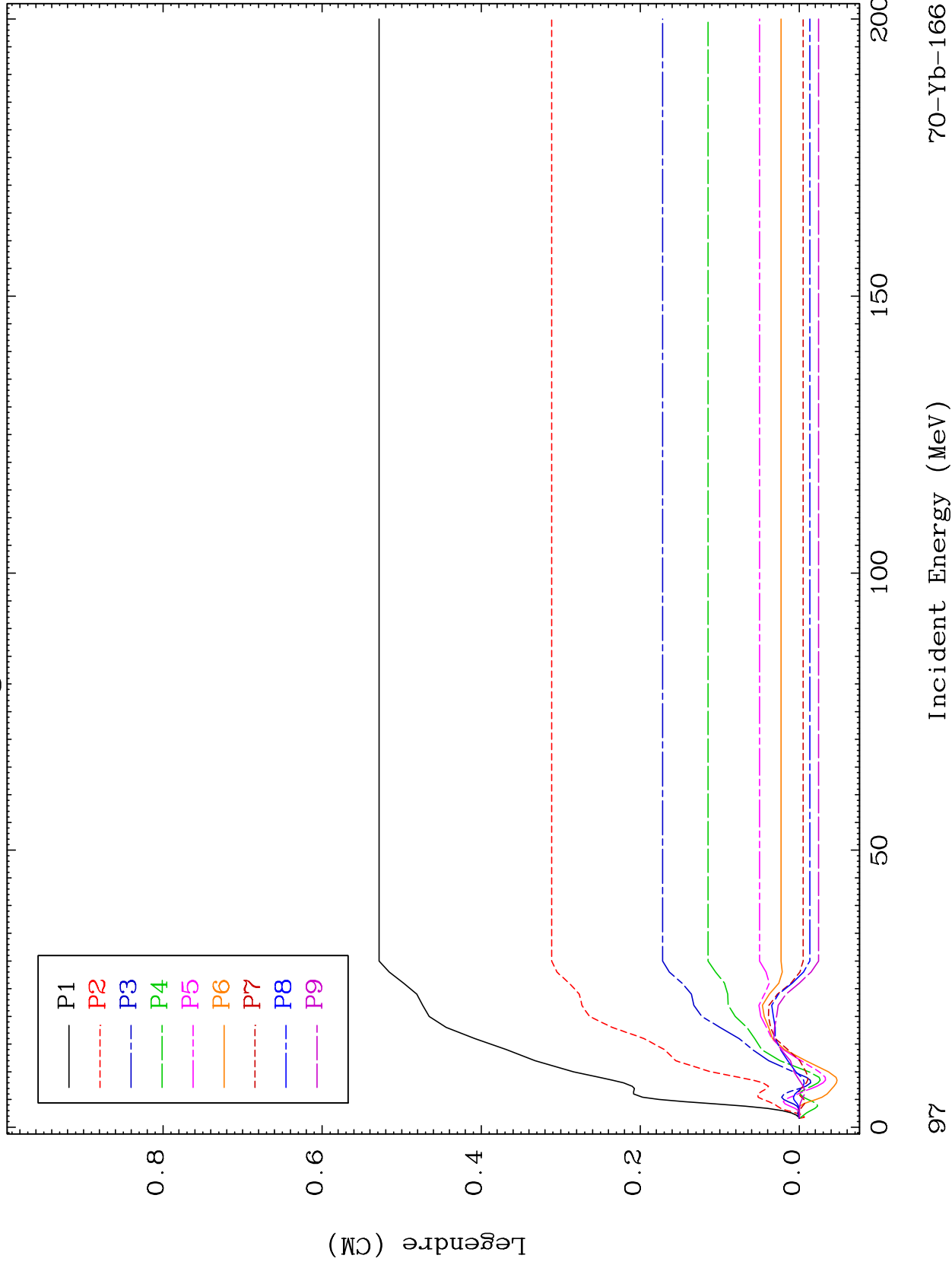




MAT 7019

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

70-Yb-166



97

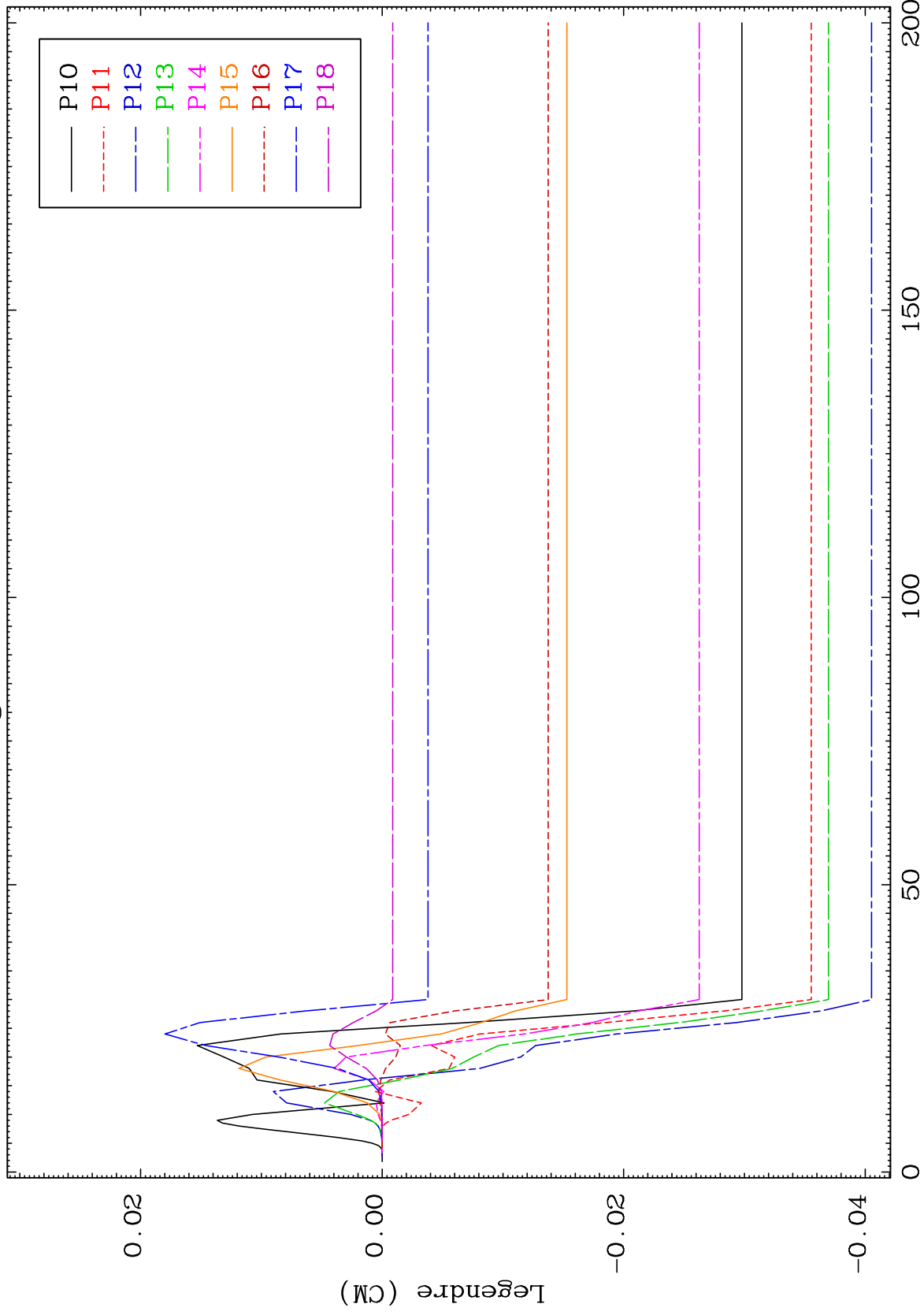
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



98

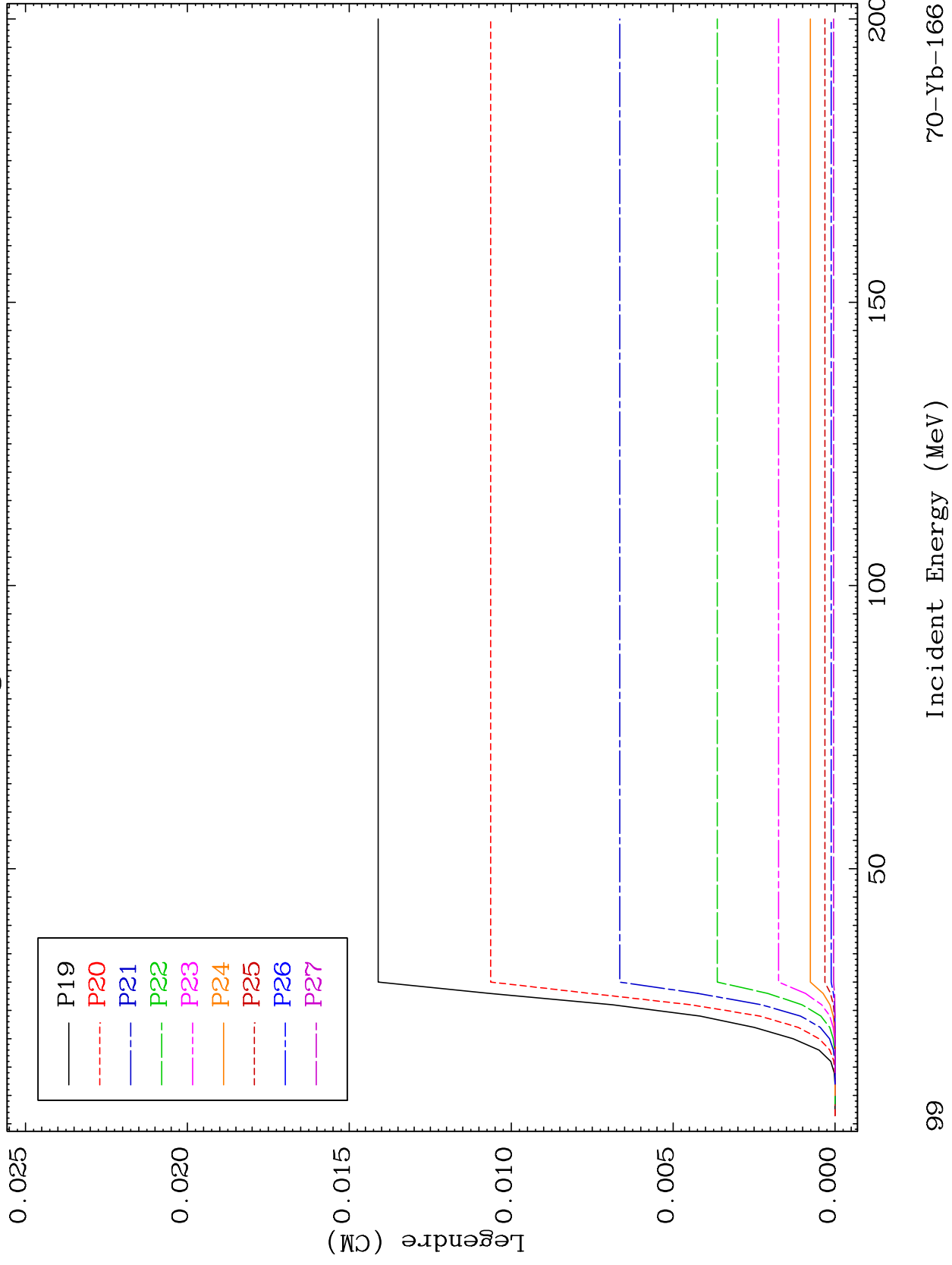
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

70-Yb-166



99

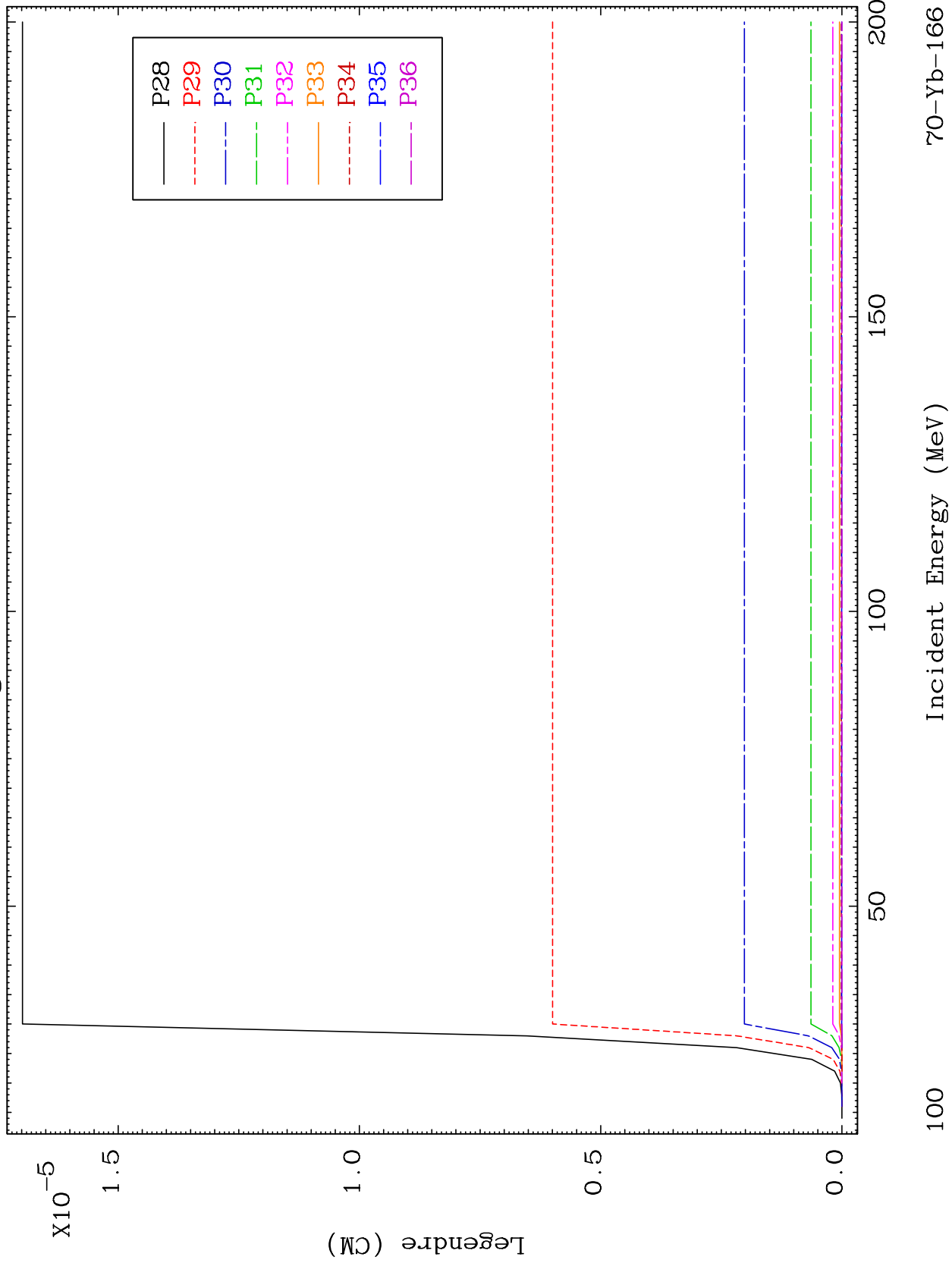
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

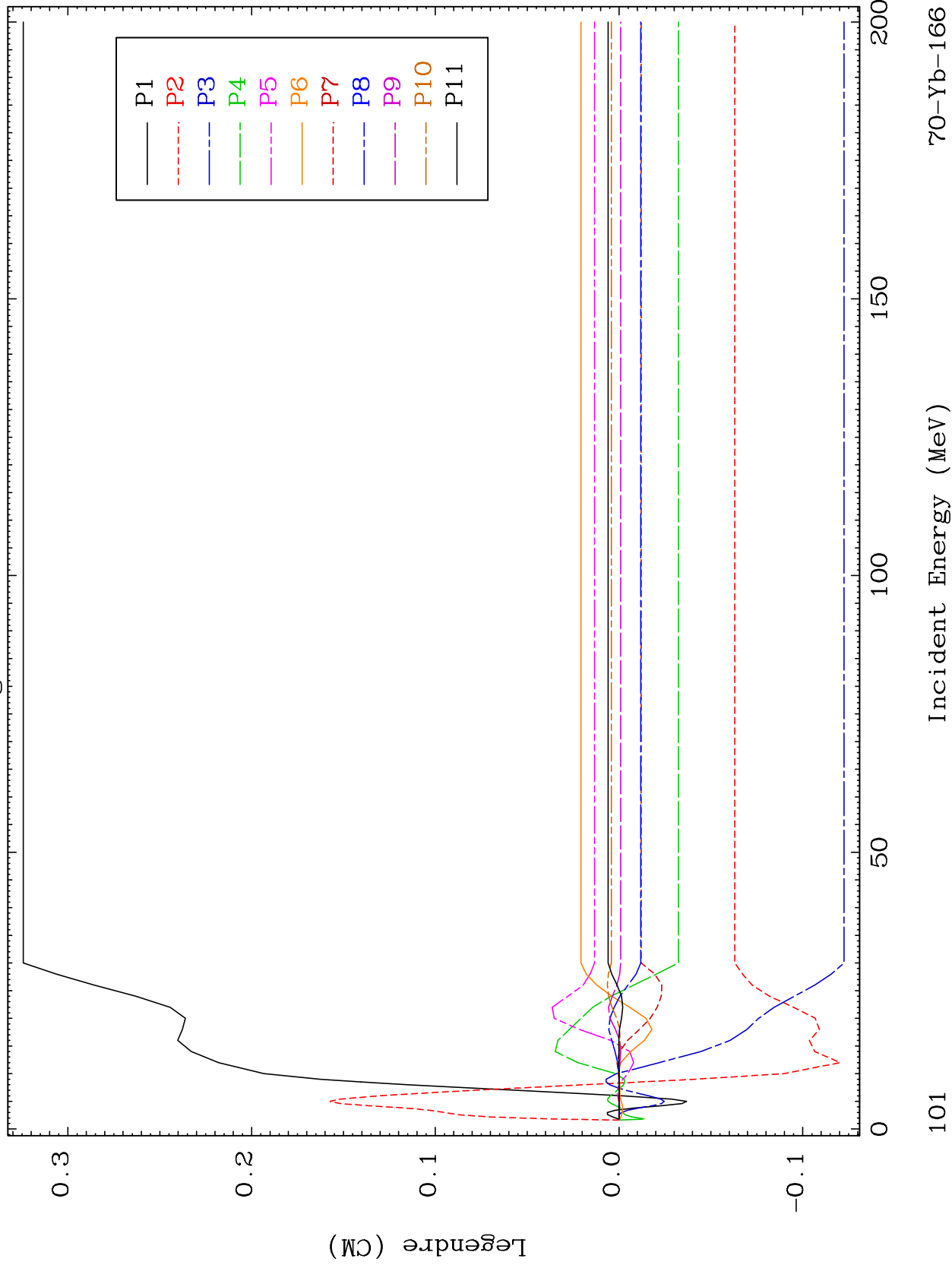
70-Yb-166



MAT 7019

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

70-Yb-166

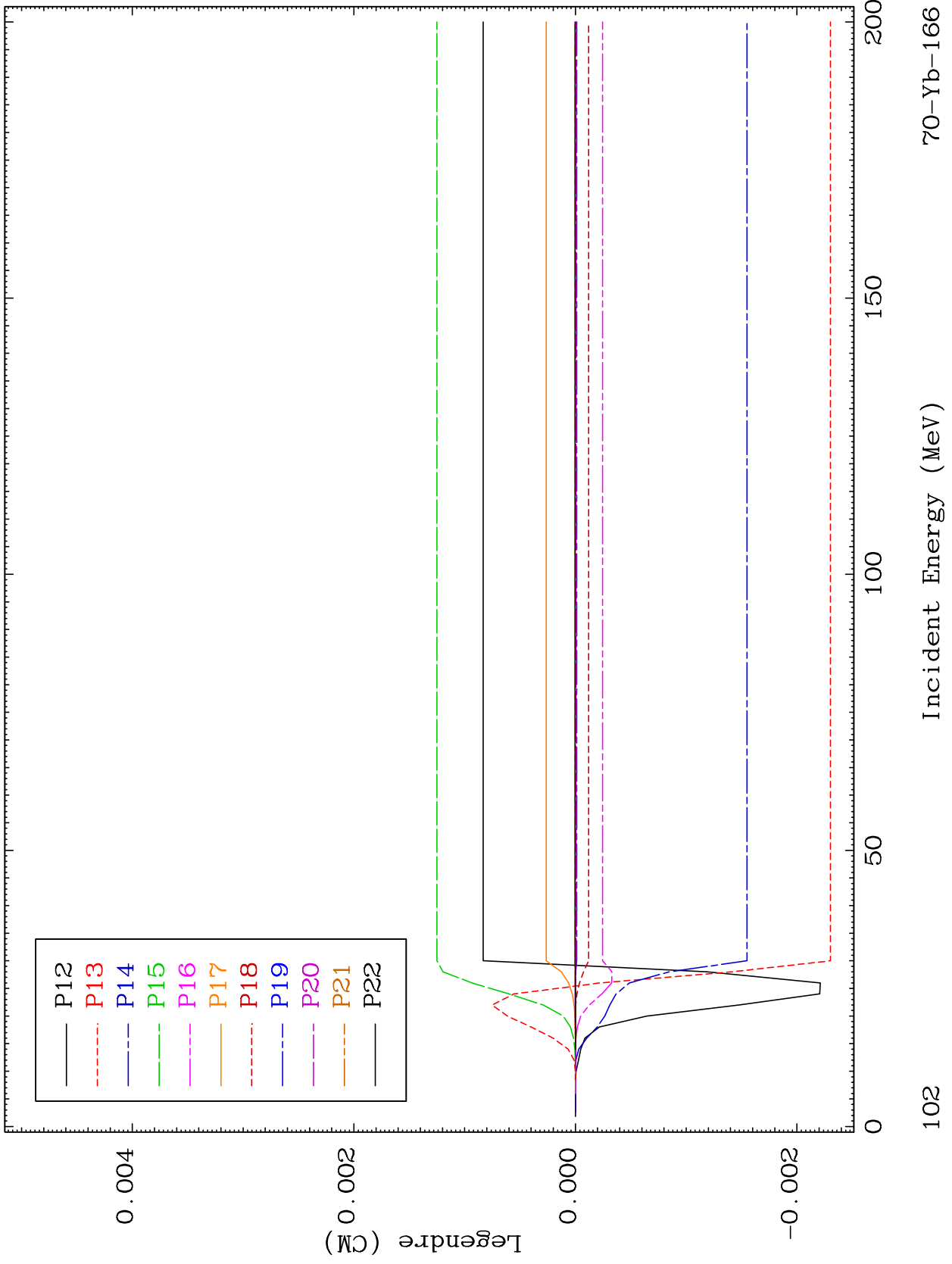


101

MAT 7019

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

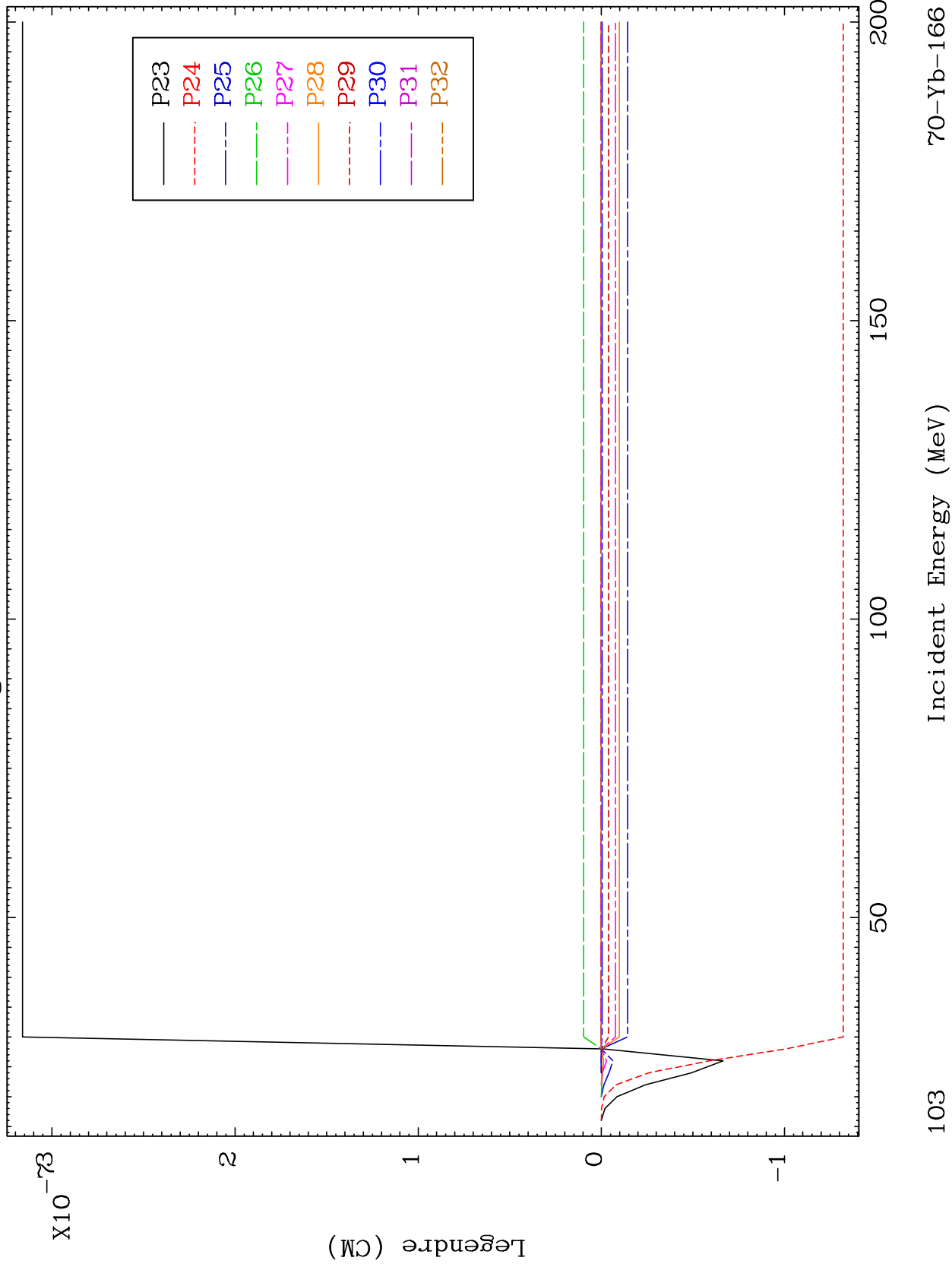
70-Yb-166



MAT 7019

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

70-Yb-166

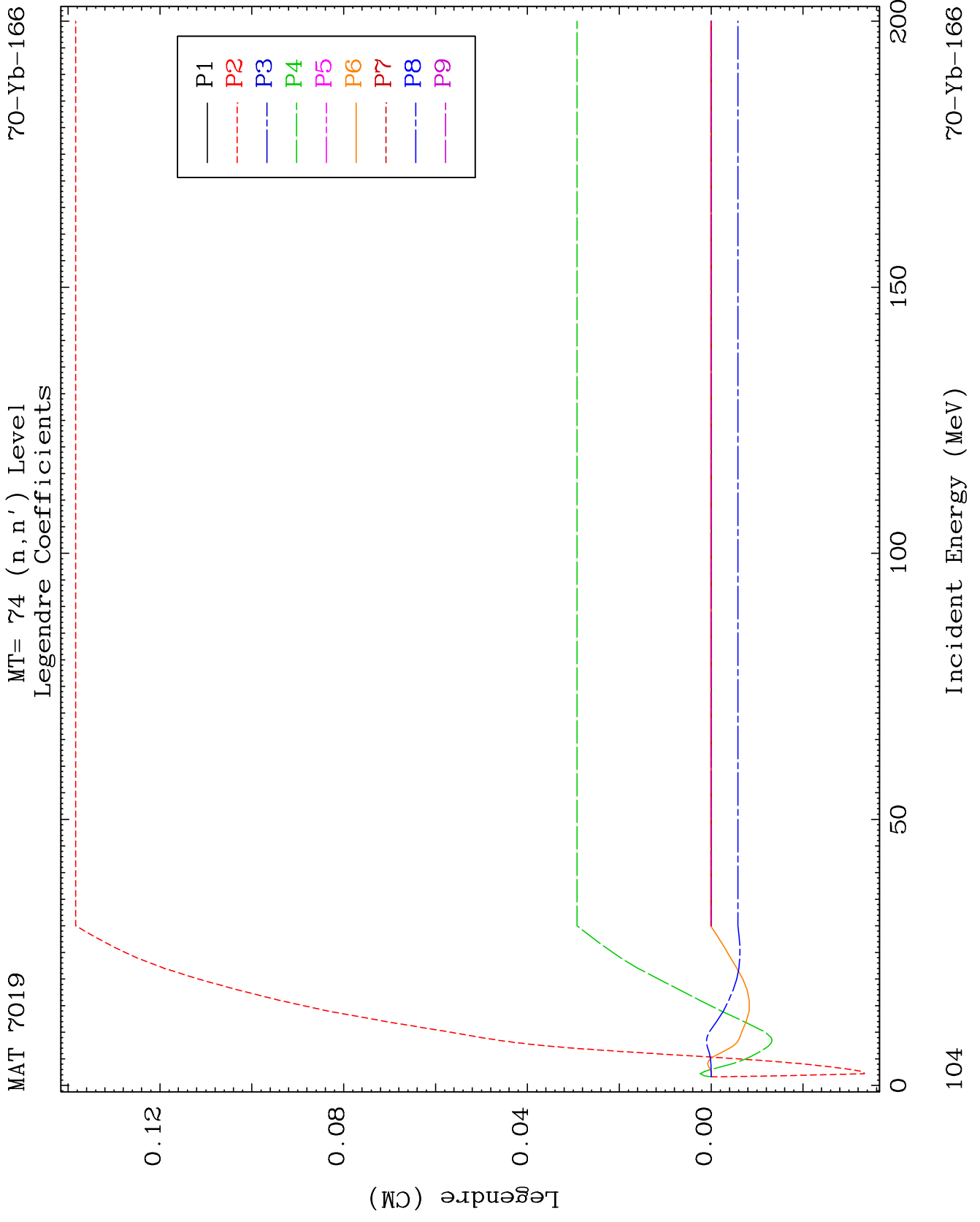


103

Incident Energy (MeV)

70-Yb-166

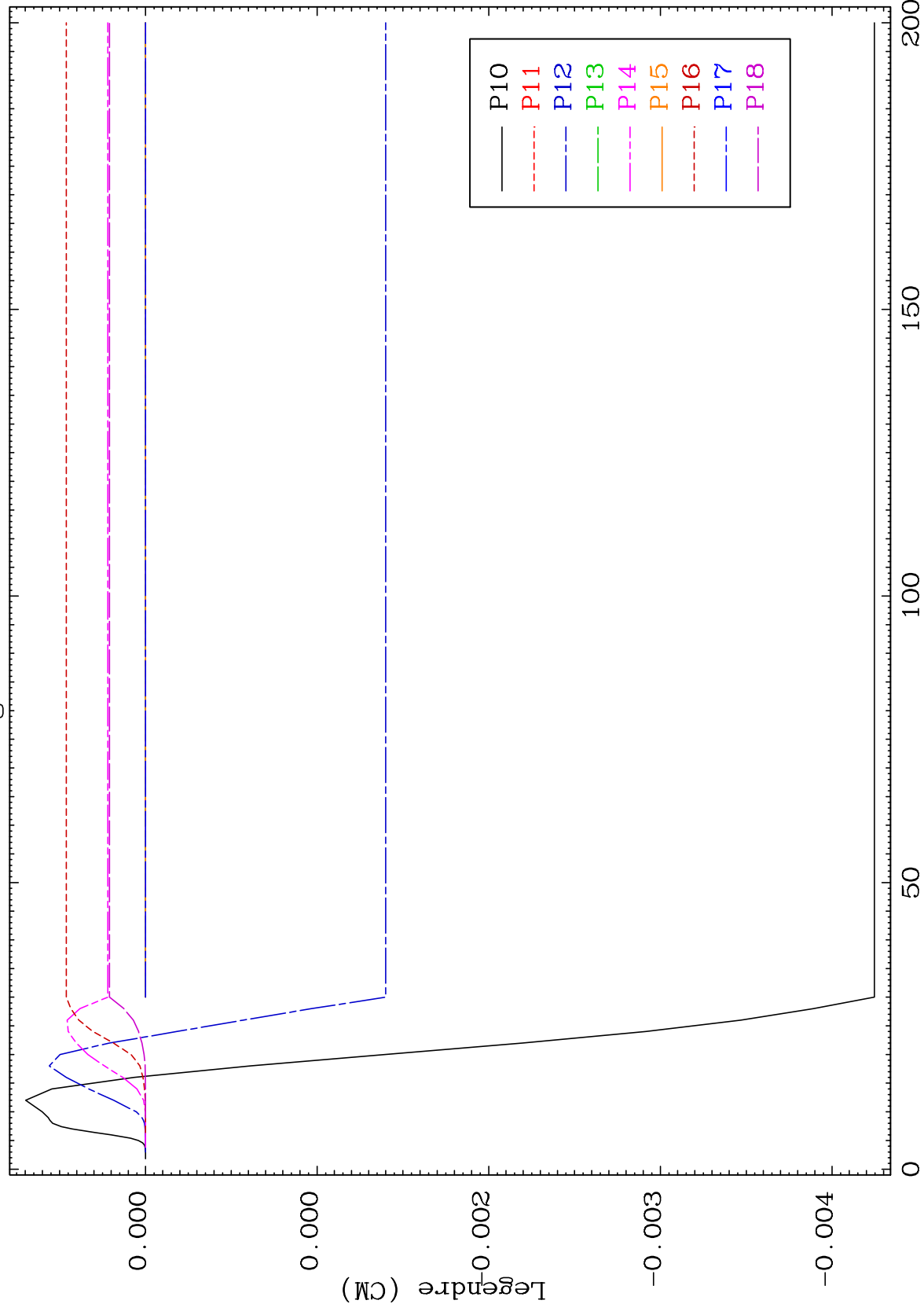




MAT 7019

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

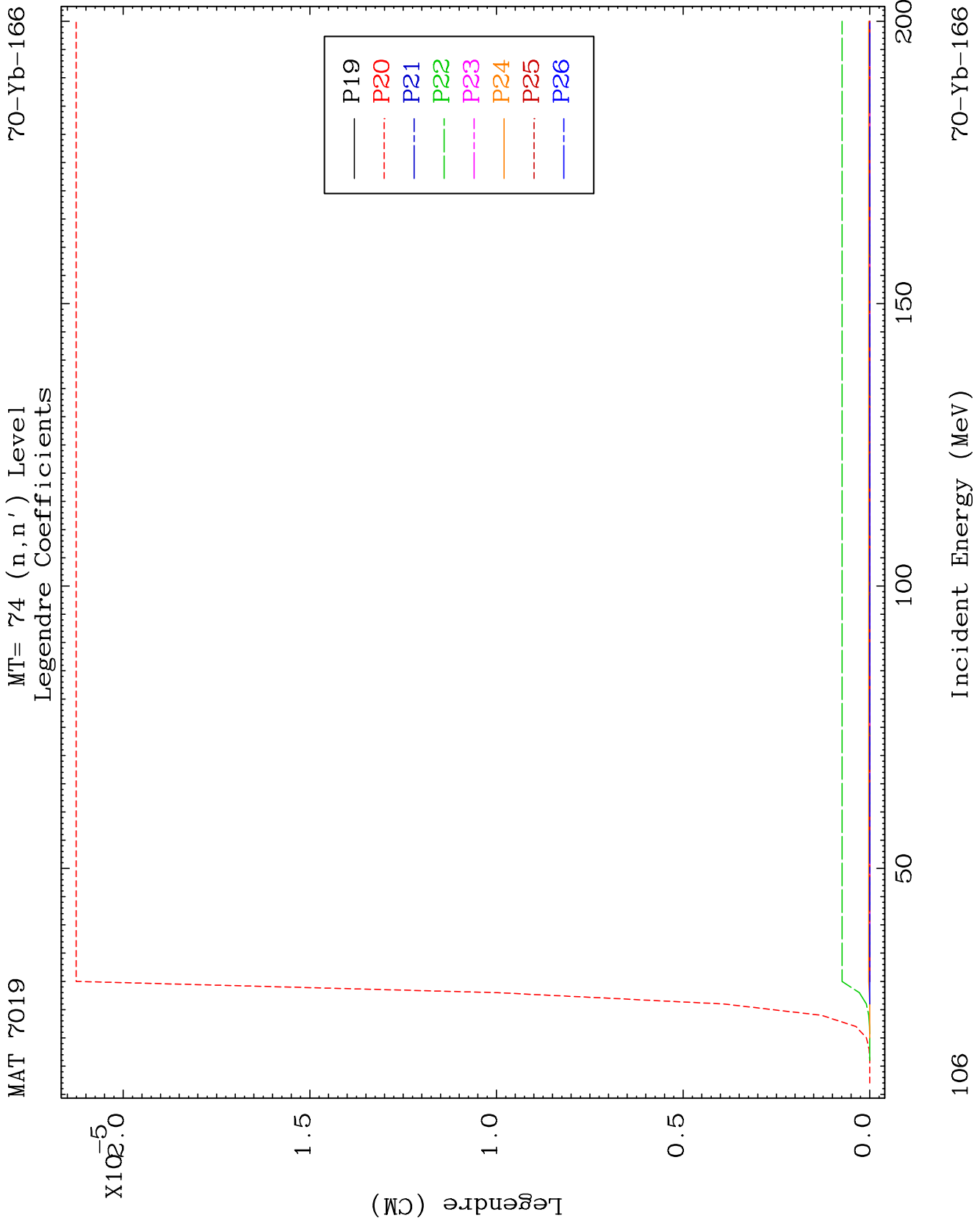
70-Yb-166



70-Yb-166

Incident Energy (MeV)

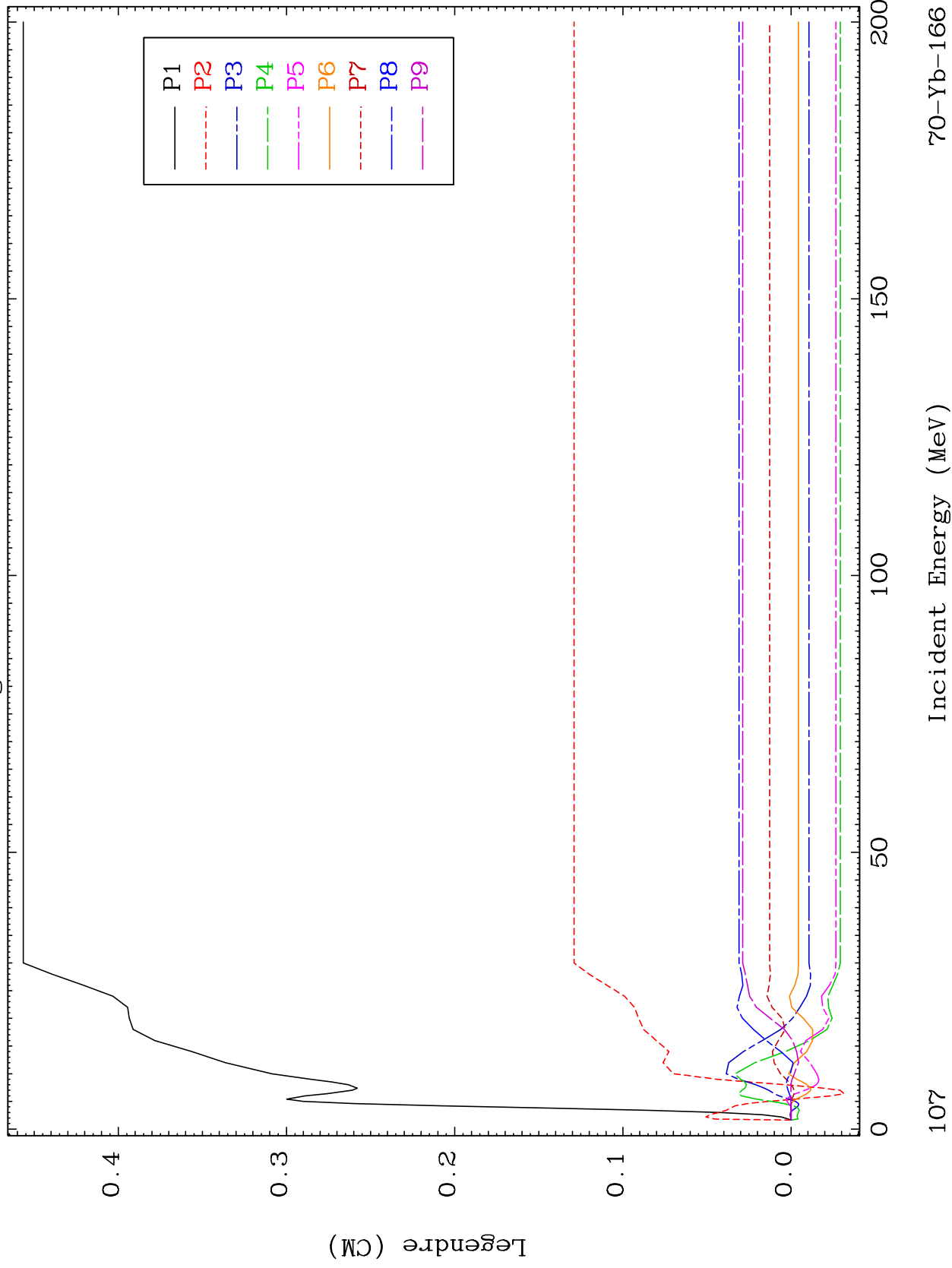
105

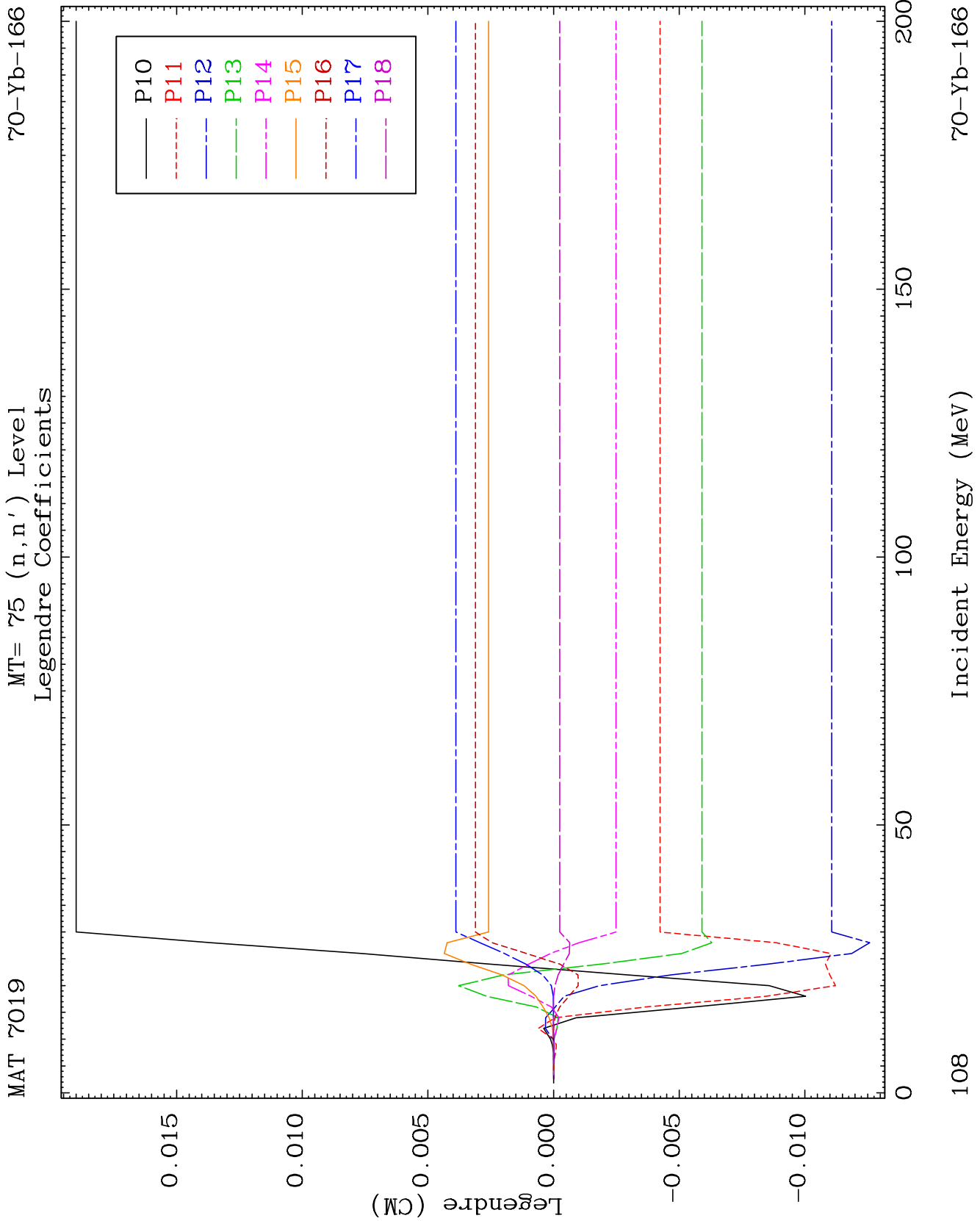


MAT 7019

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

70-Yb-166

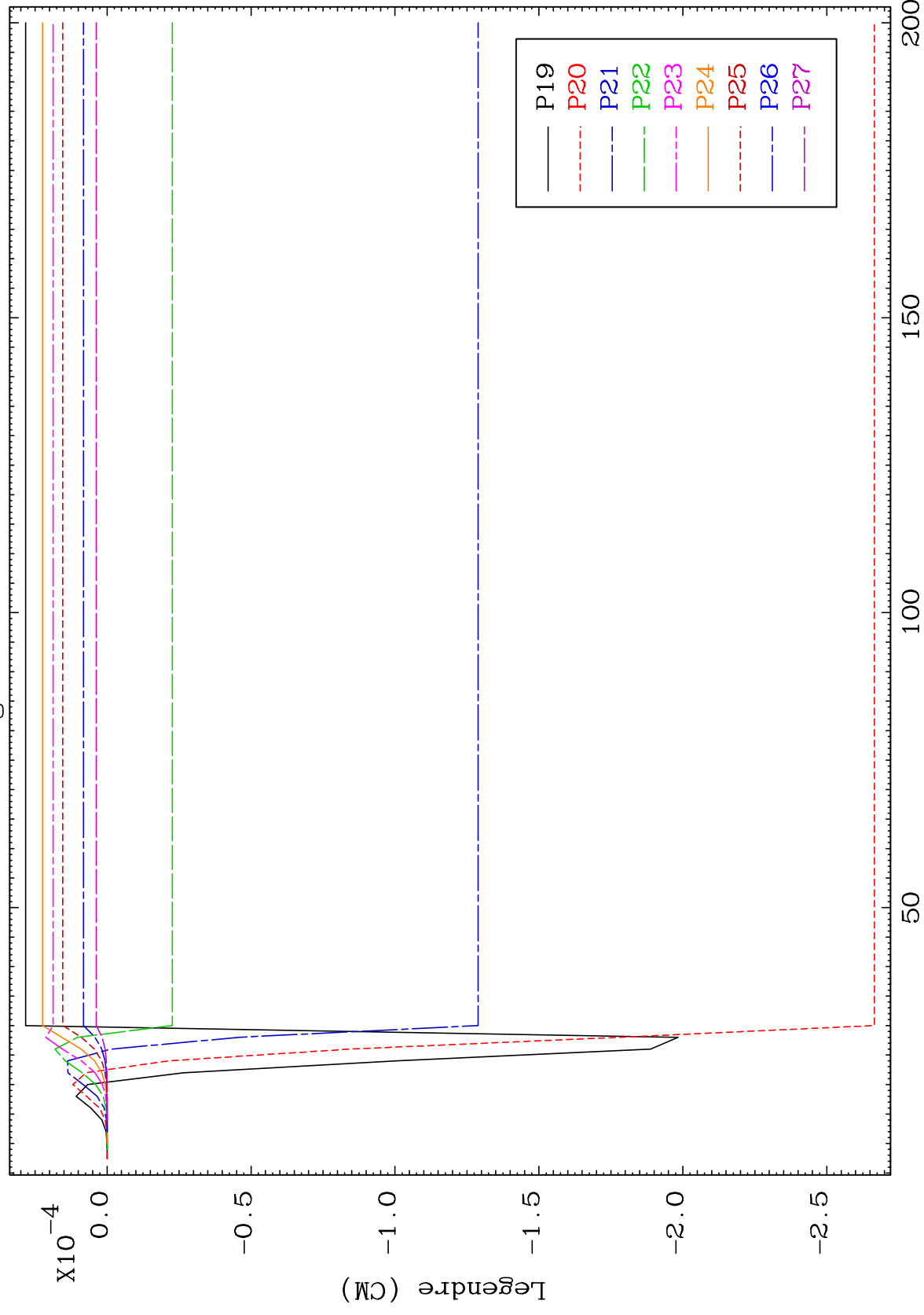




MAT 7019

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

70-Yb-166



109

70-Yb-166



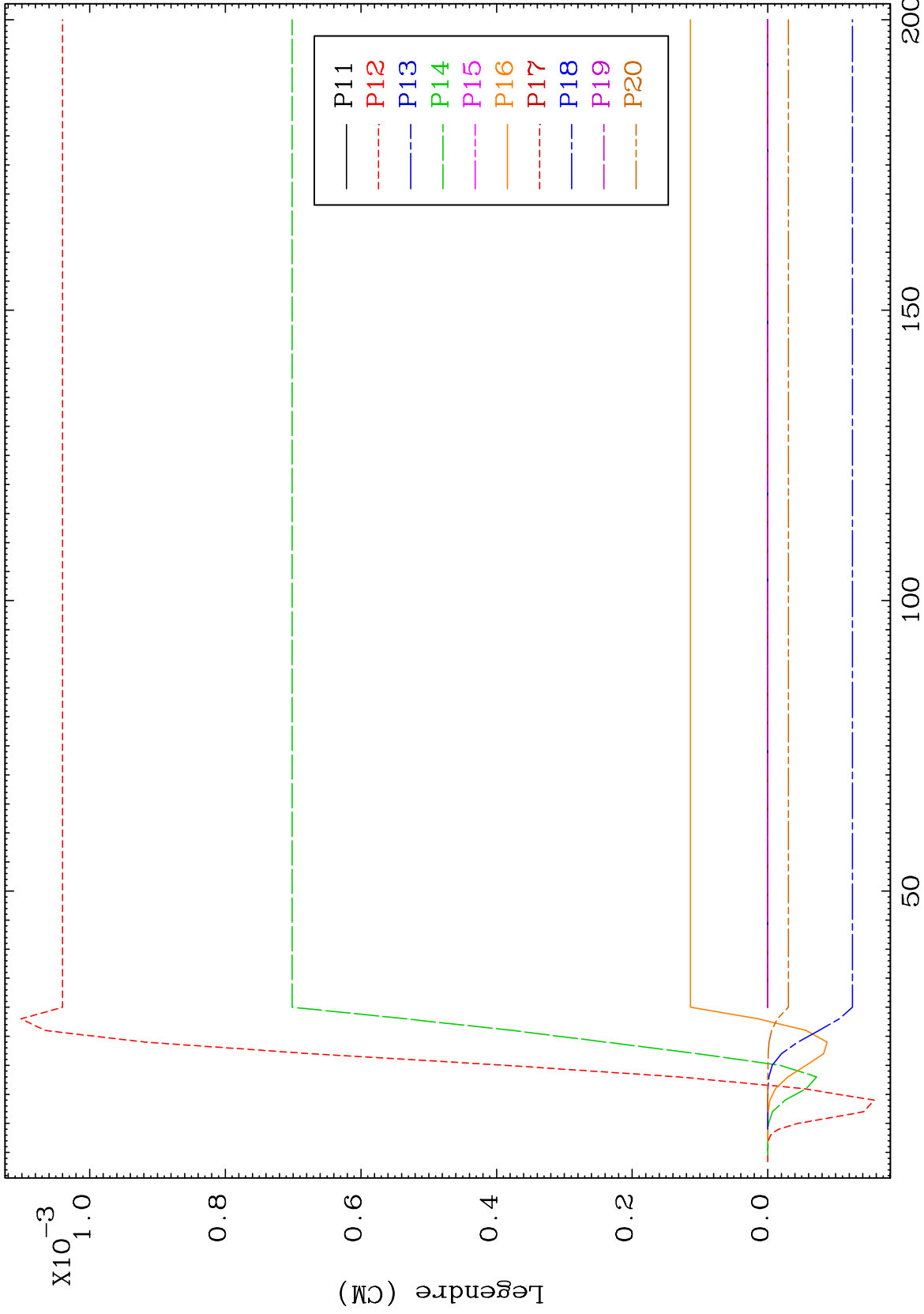




MAT 7019

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

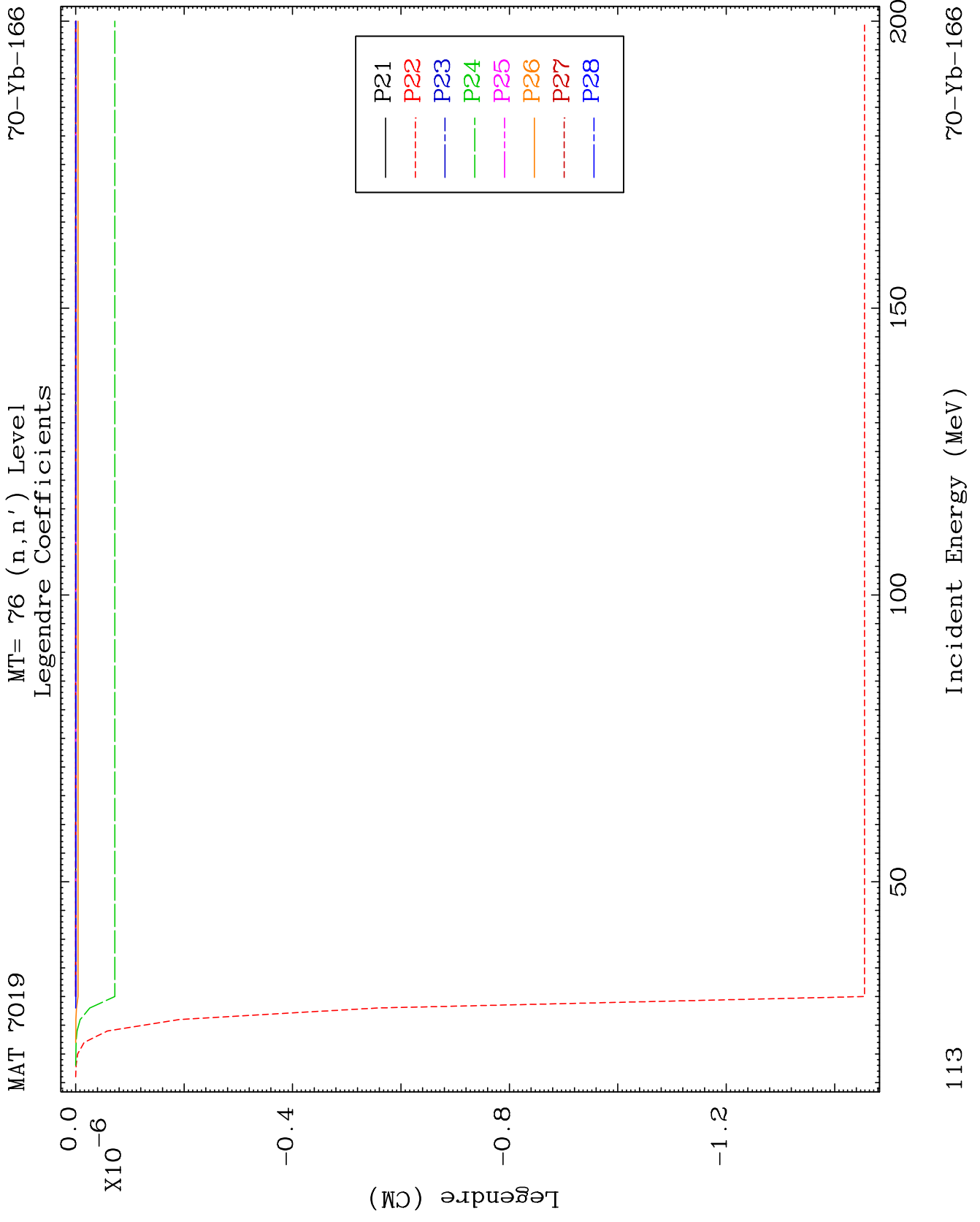
70-Yb-166



112

Incident Energy (MeV)

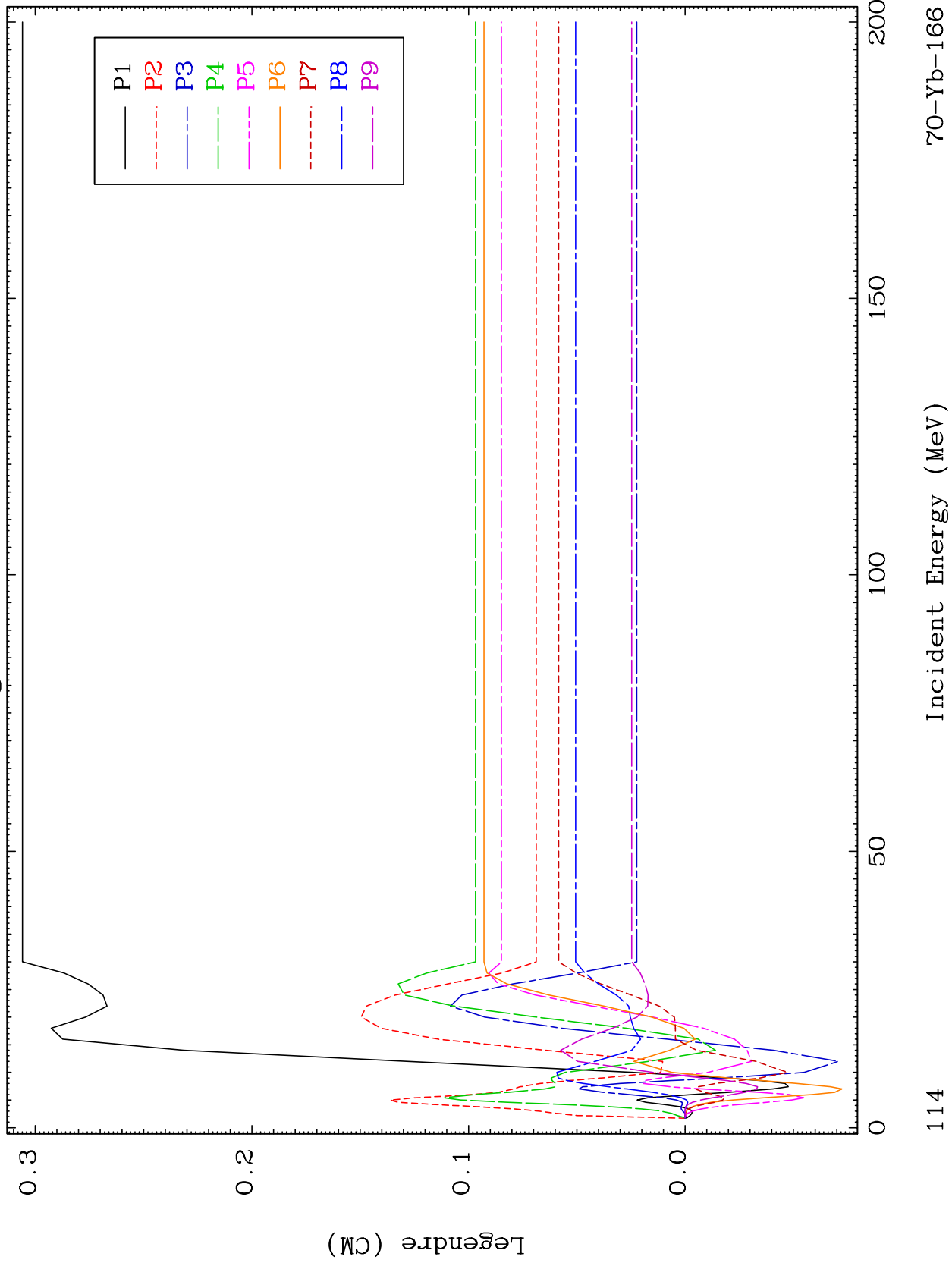
70-Yb-166



MAT 7019

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

70-Yb-166



70-Yb-166

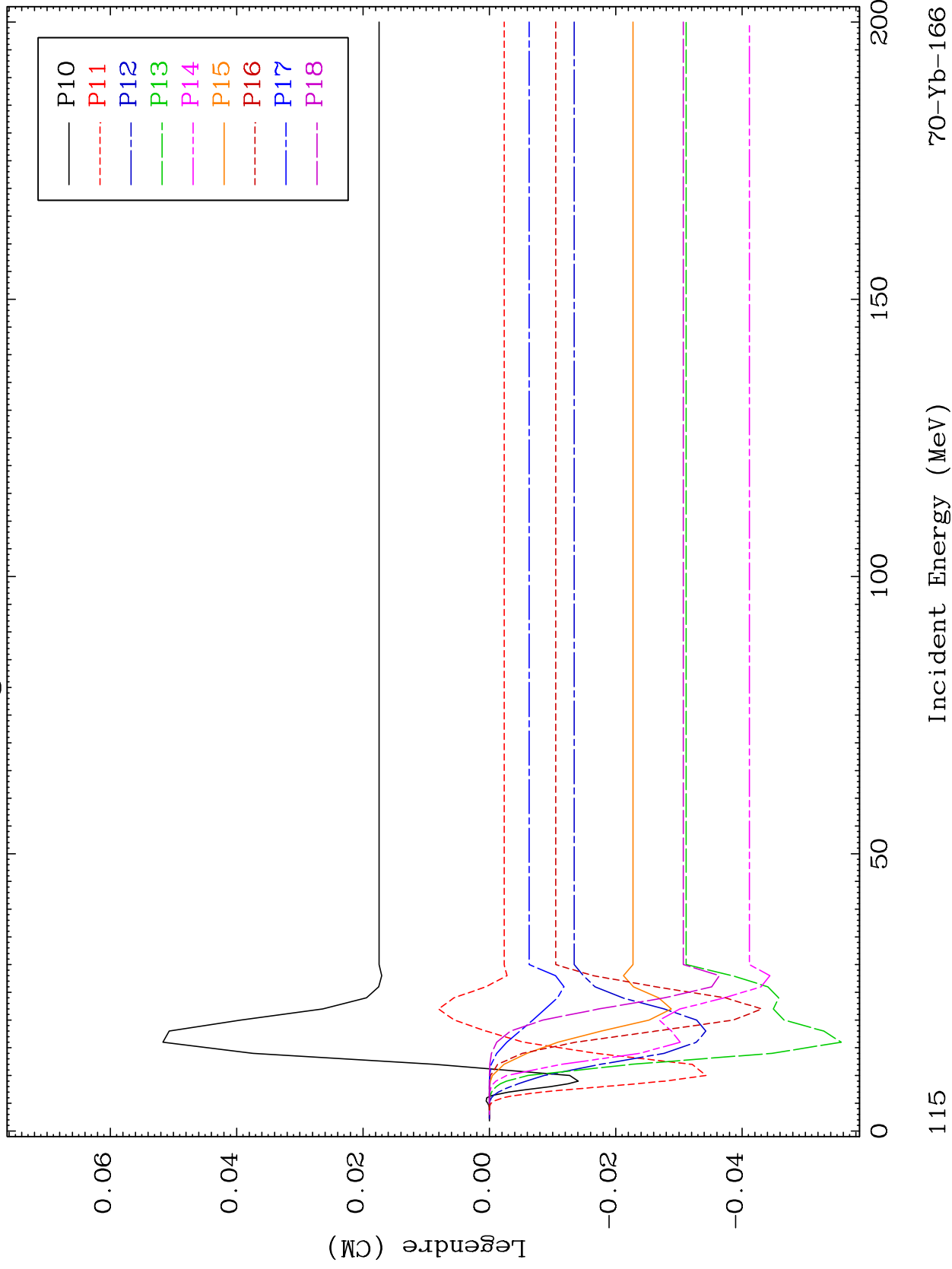
Incident Energy (MeV)

114

MAT 7019

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

70-Yb-166



70-Yb-166

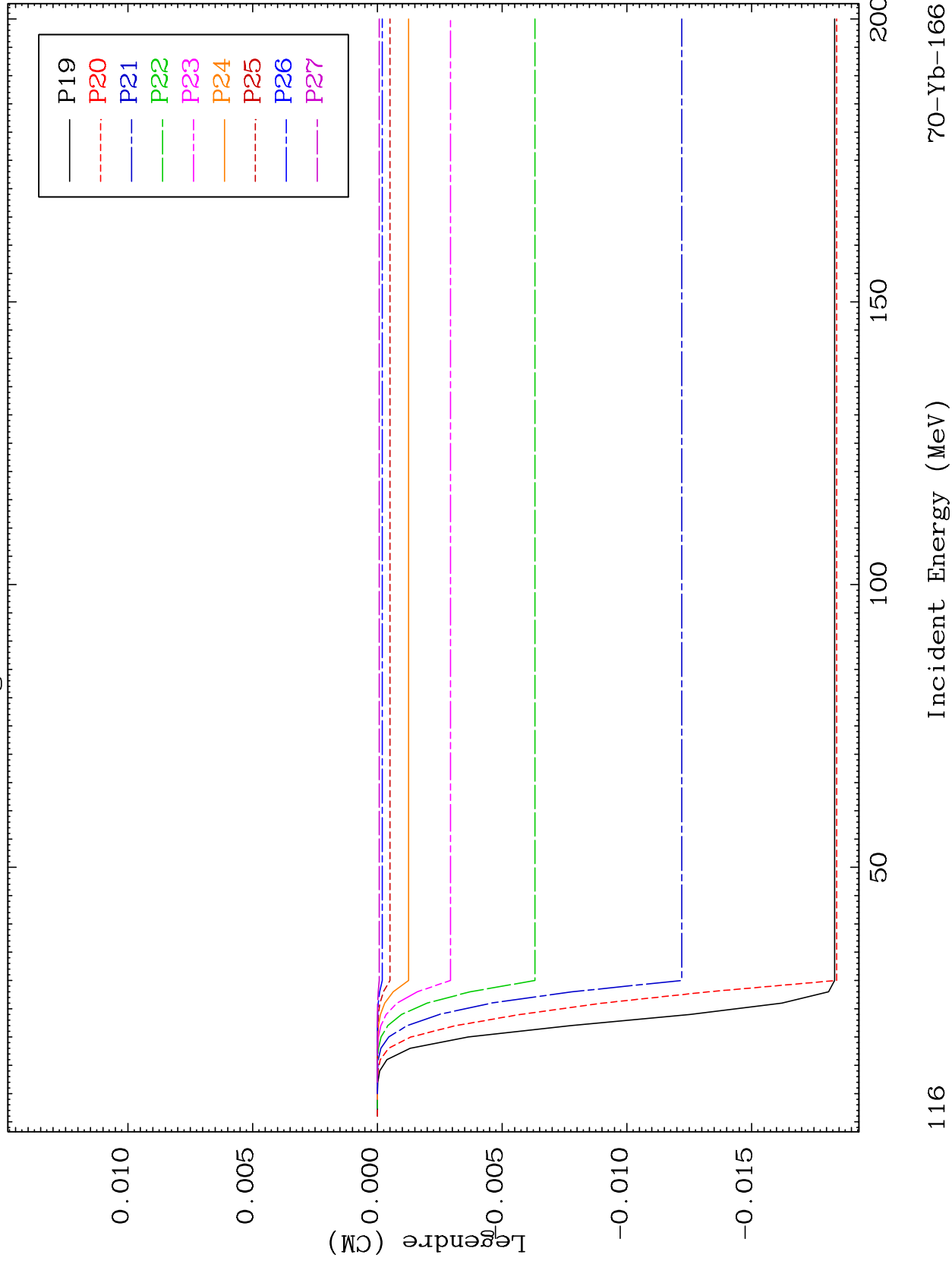
Incident Energy (MeV)

115

MAT 7019

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

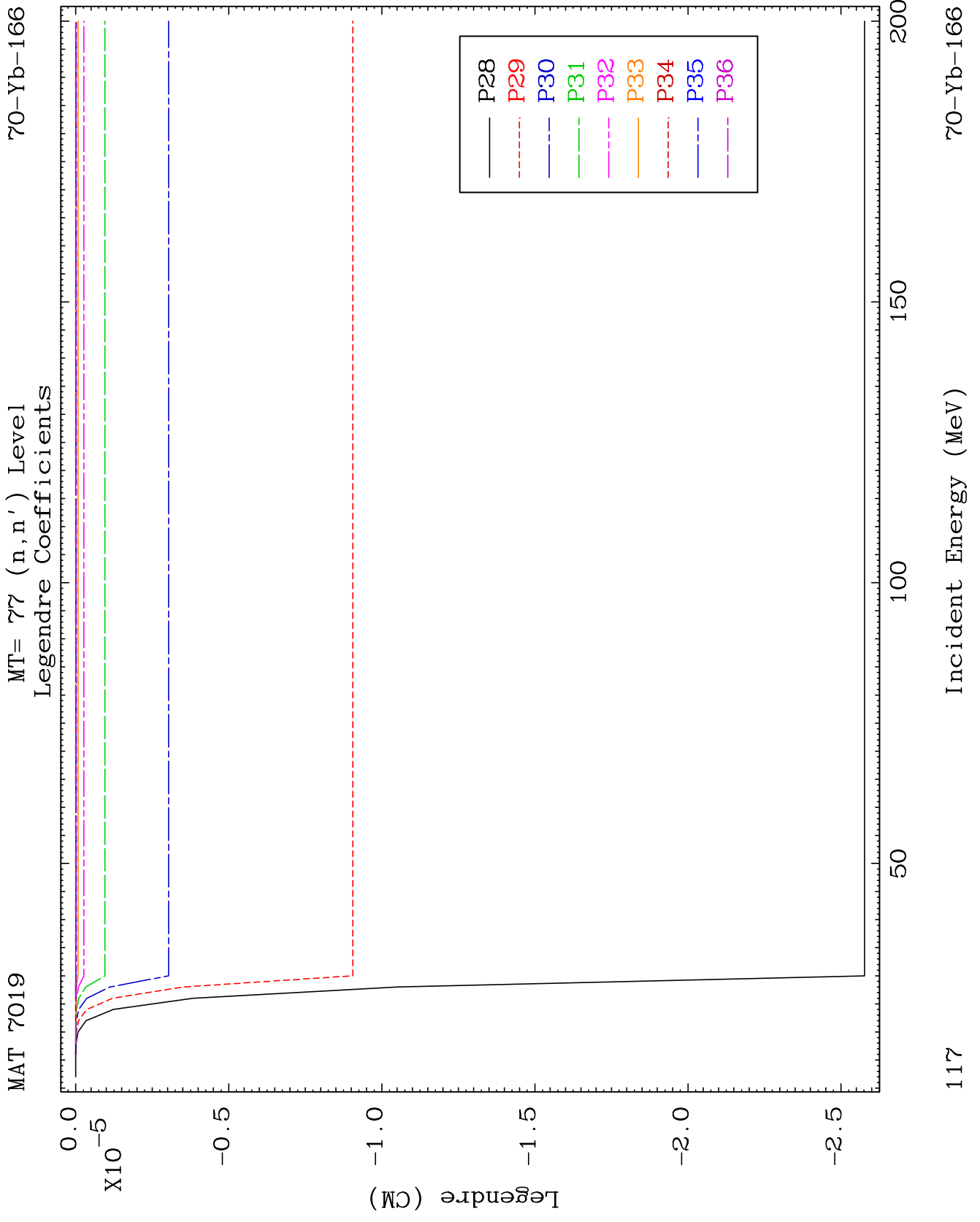
70-Yb-166

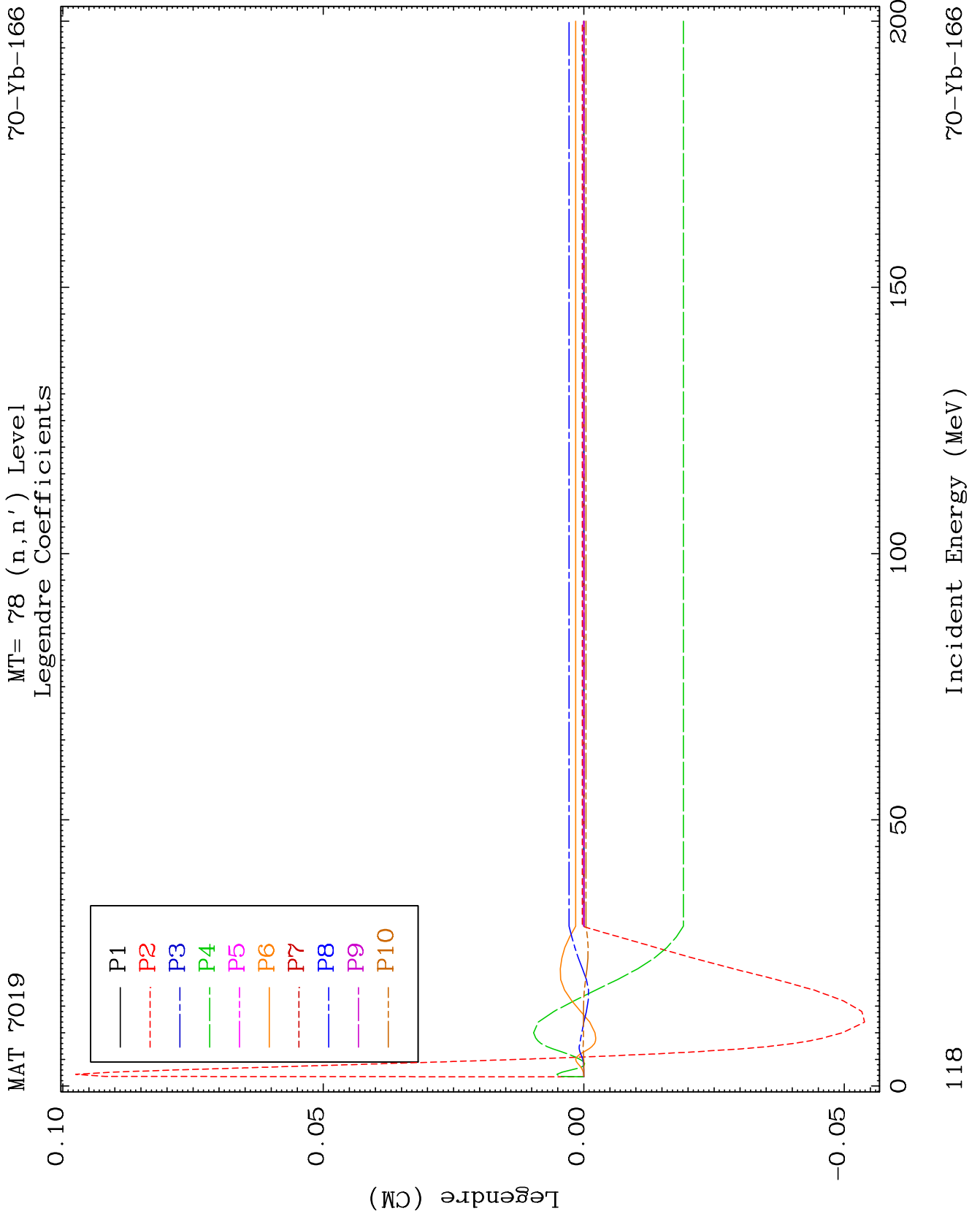


116

Incident Energy (MeV)

70-Yb-166

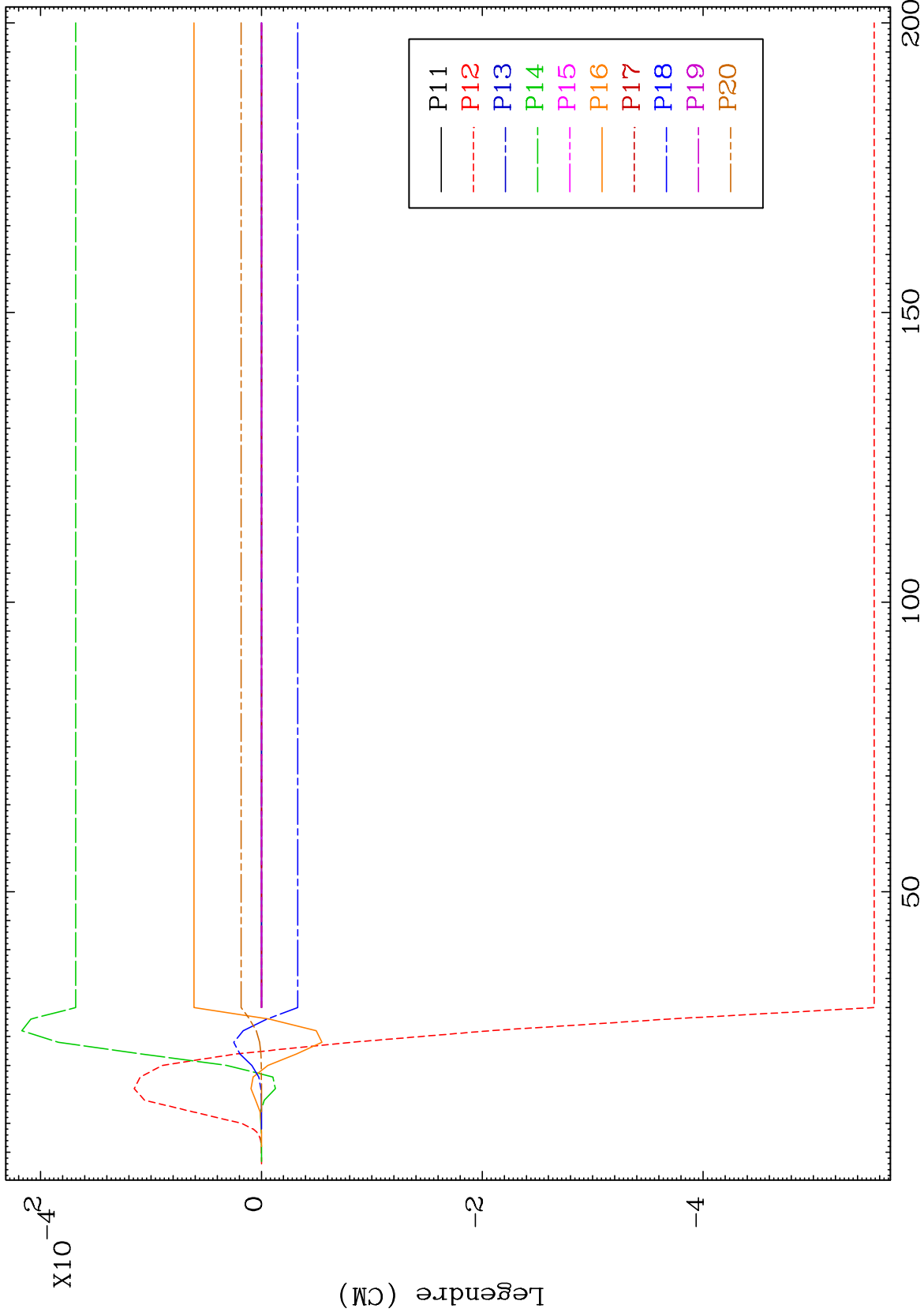




MAT 7019

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

70-Yb-166

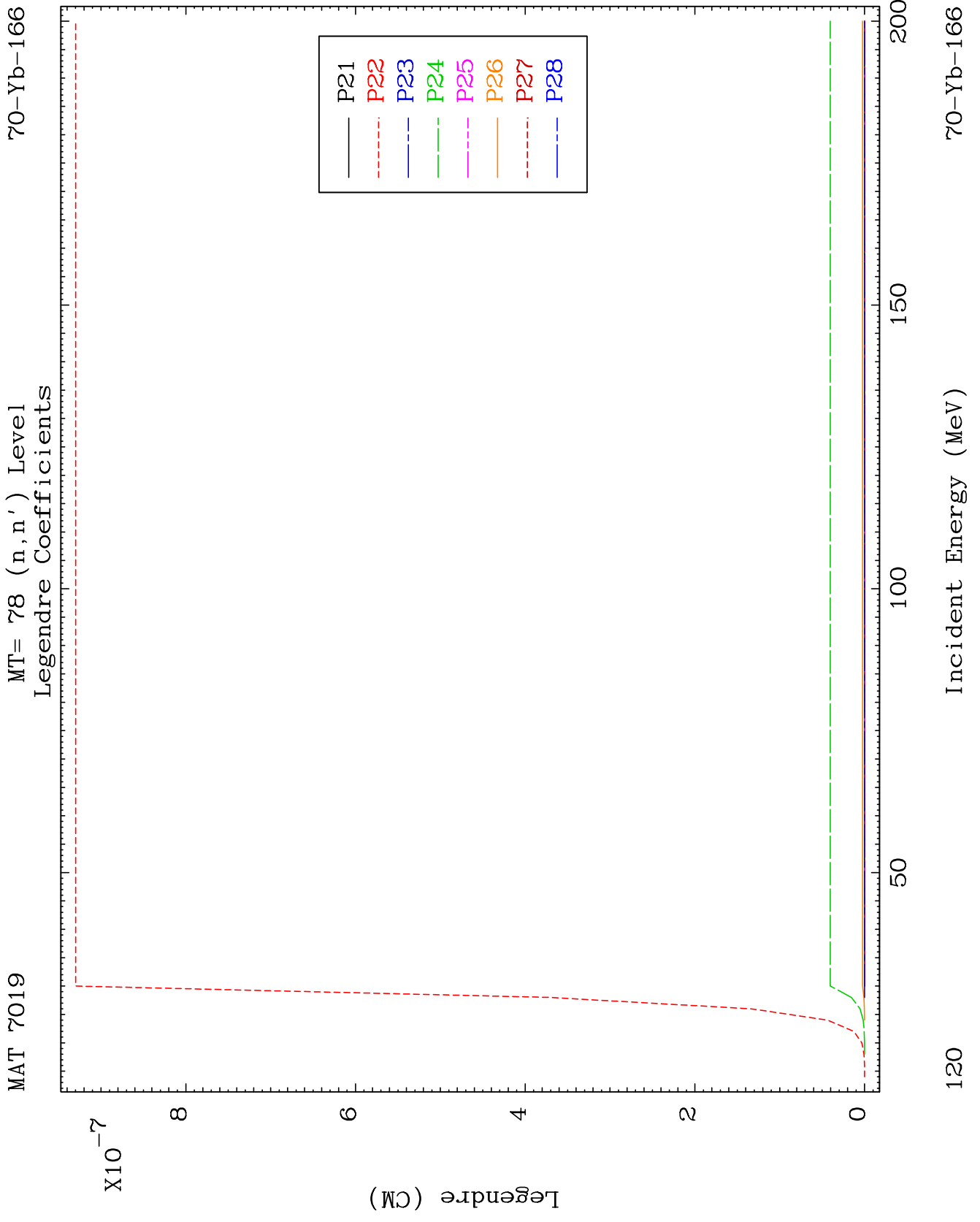


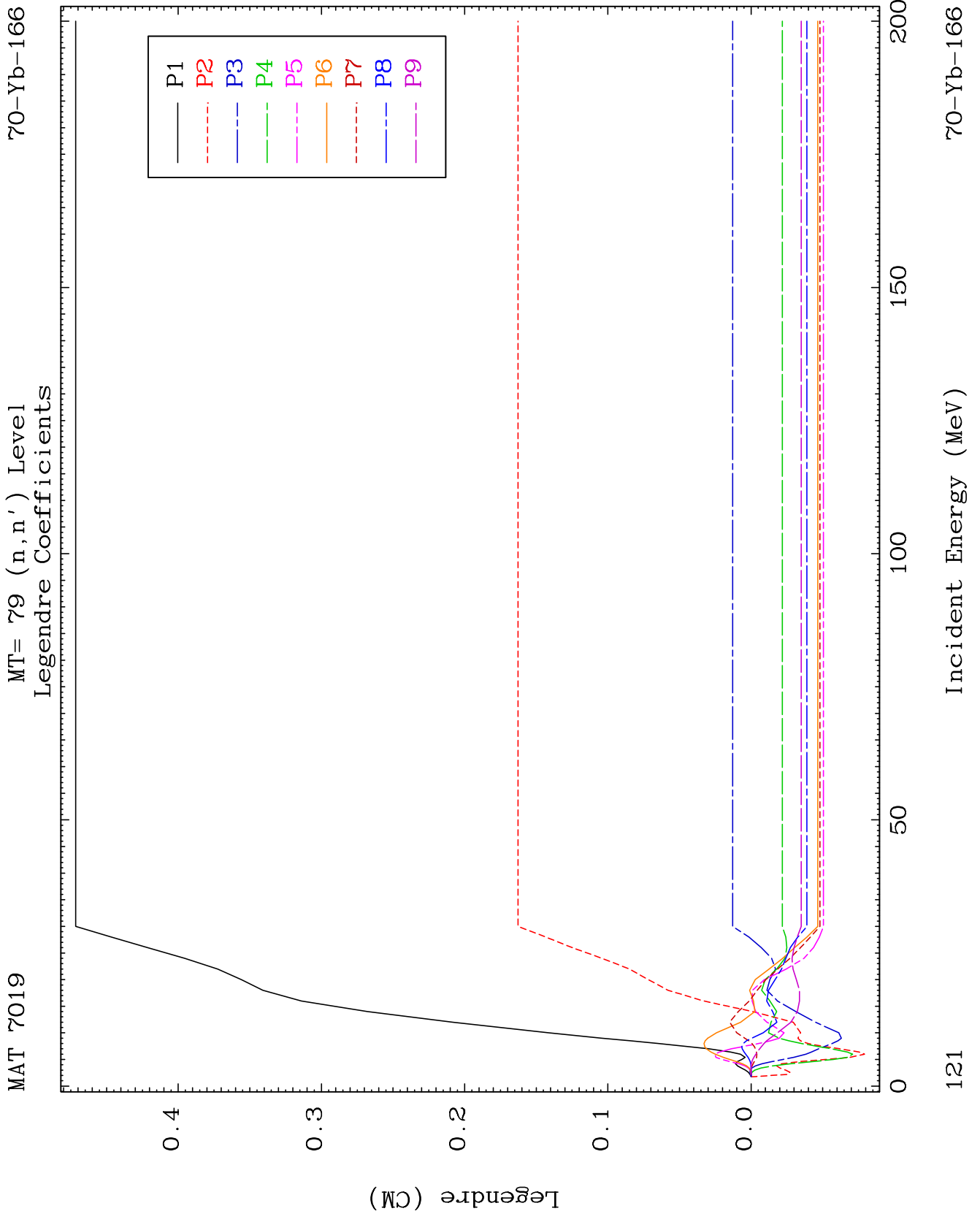
119

Incident Energy (MeV)

70-Yb-166







70-Yb-166

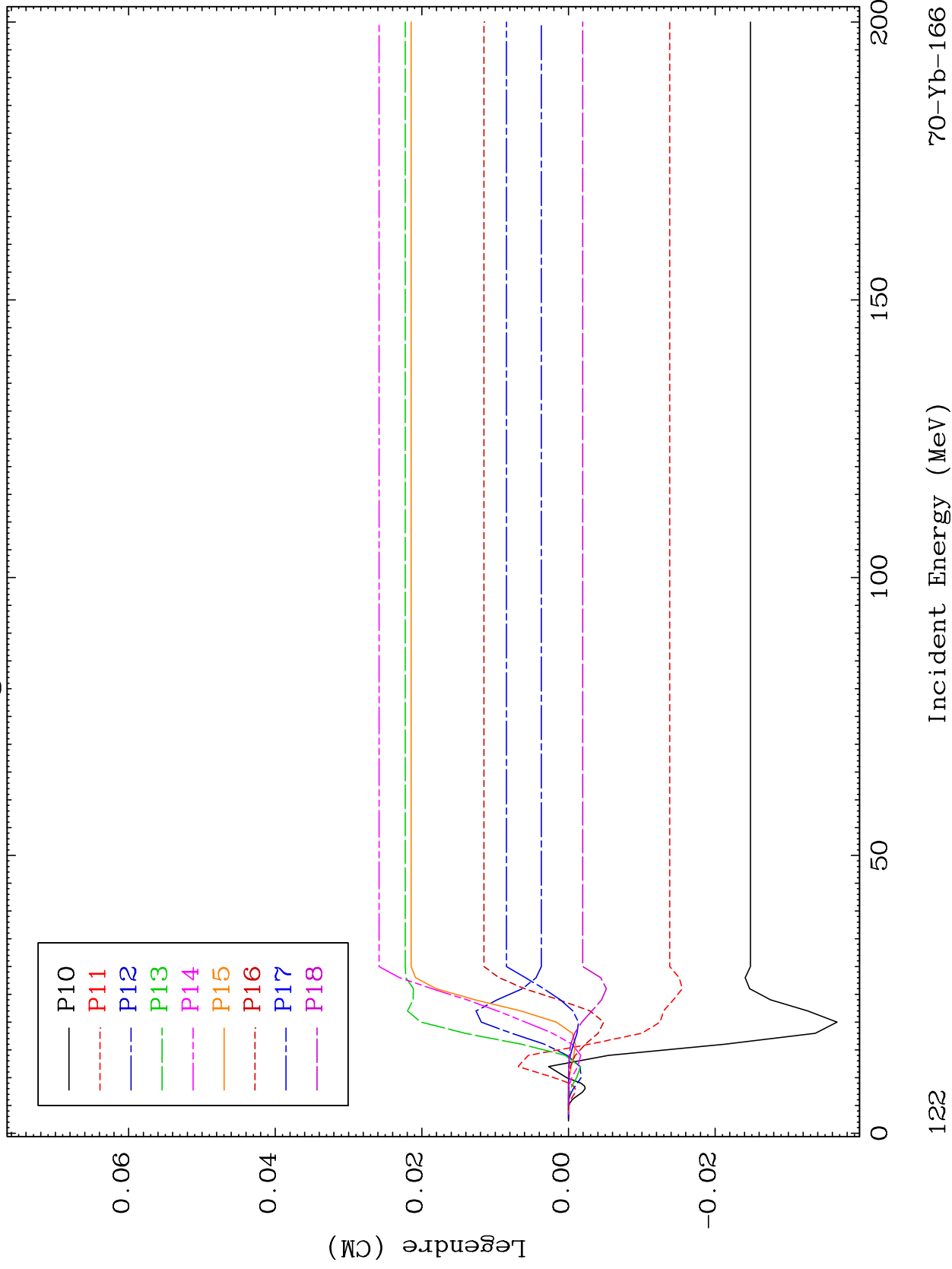
Incident Energy (MeV)

121

MAT 7019

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

70-Yb-166



122

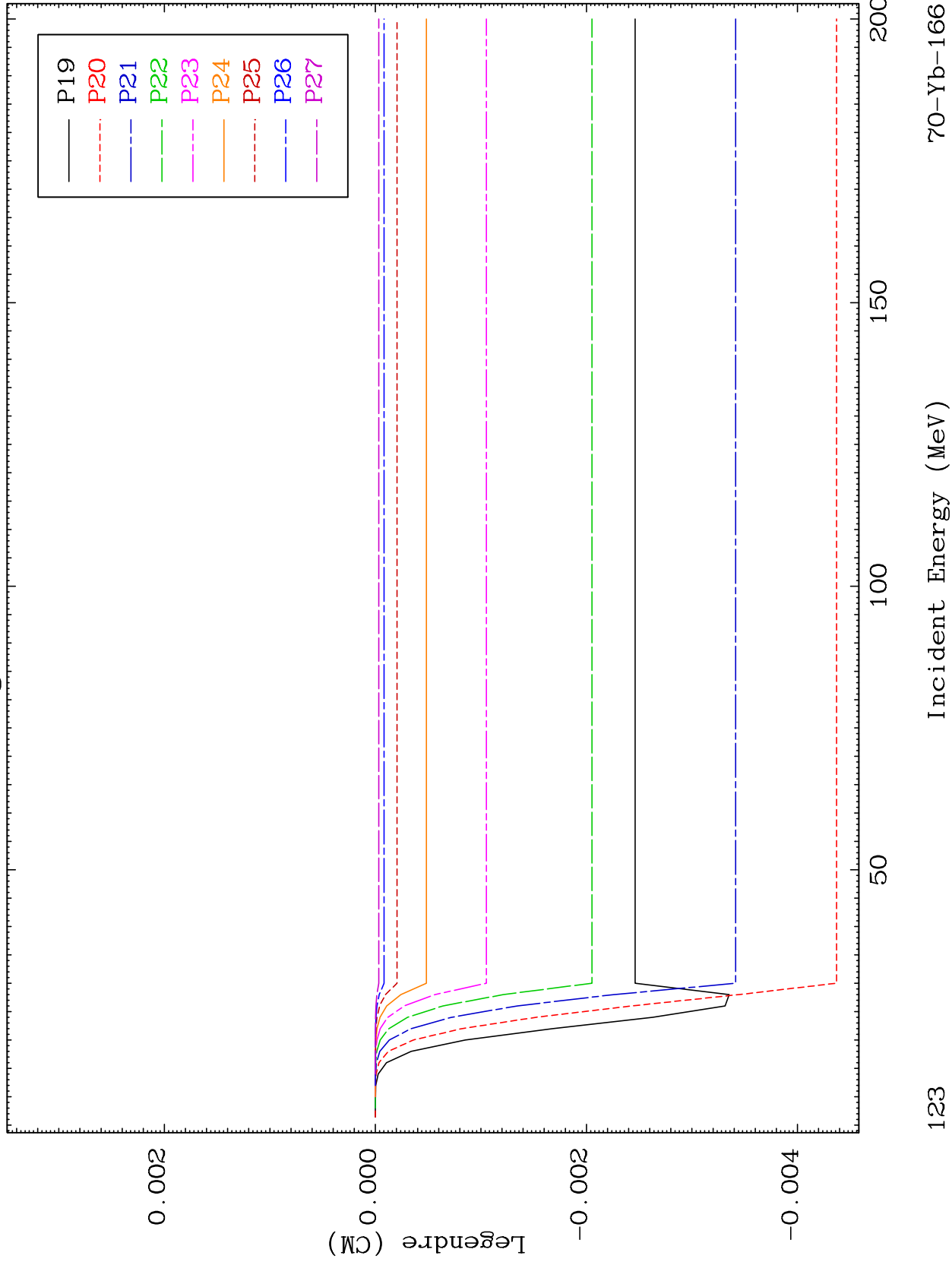
Incident Energy (MeV)

70-Yb-166

MAT 7019

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

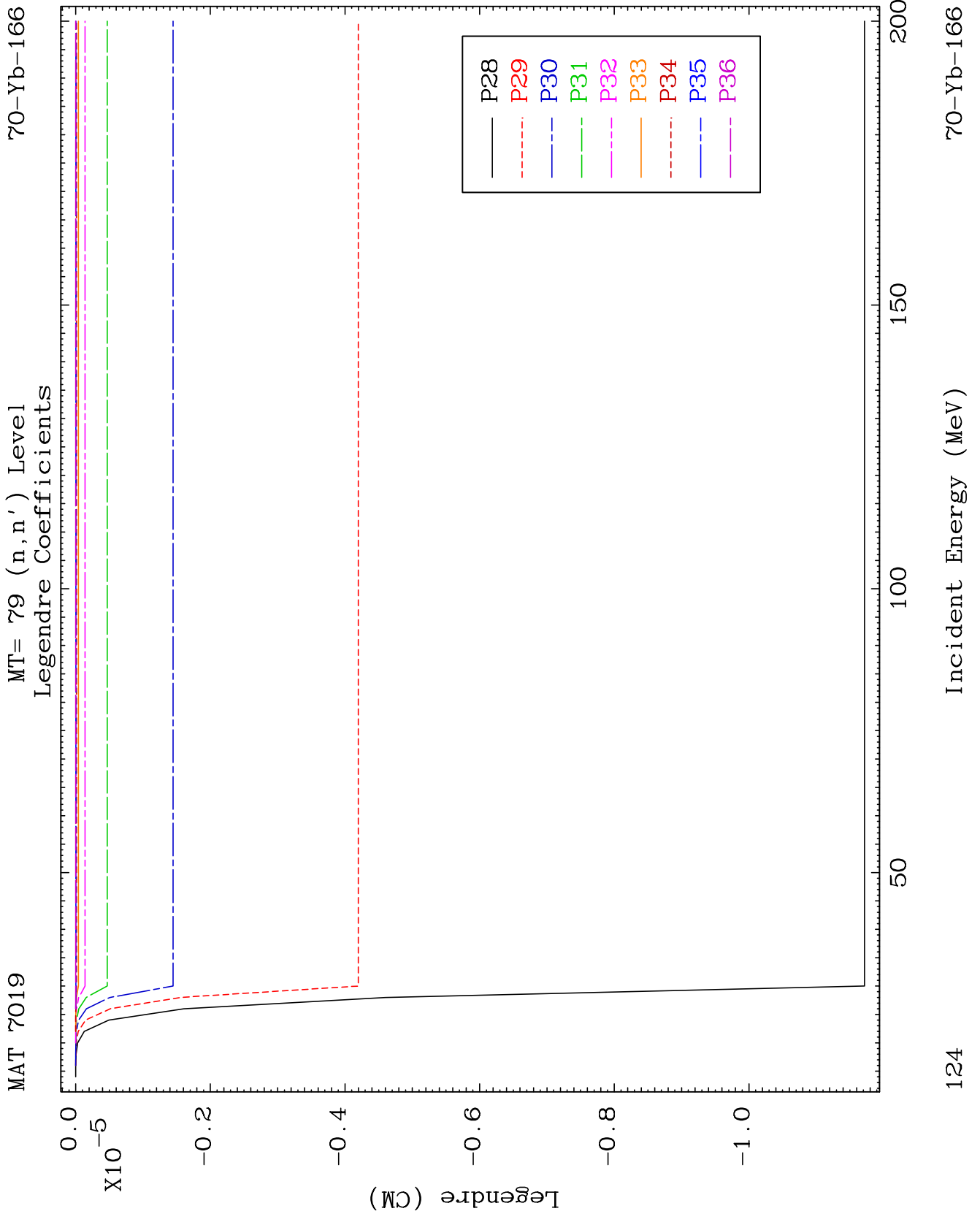
70-Yb-166

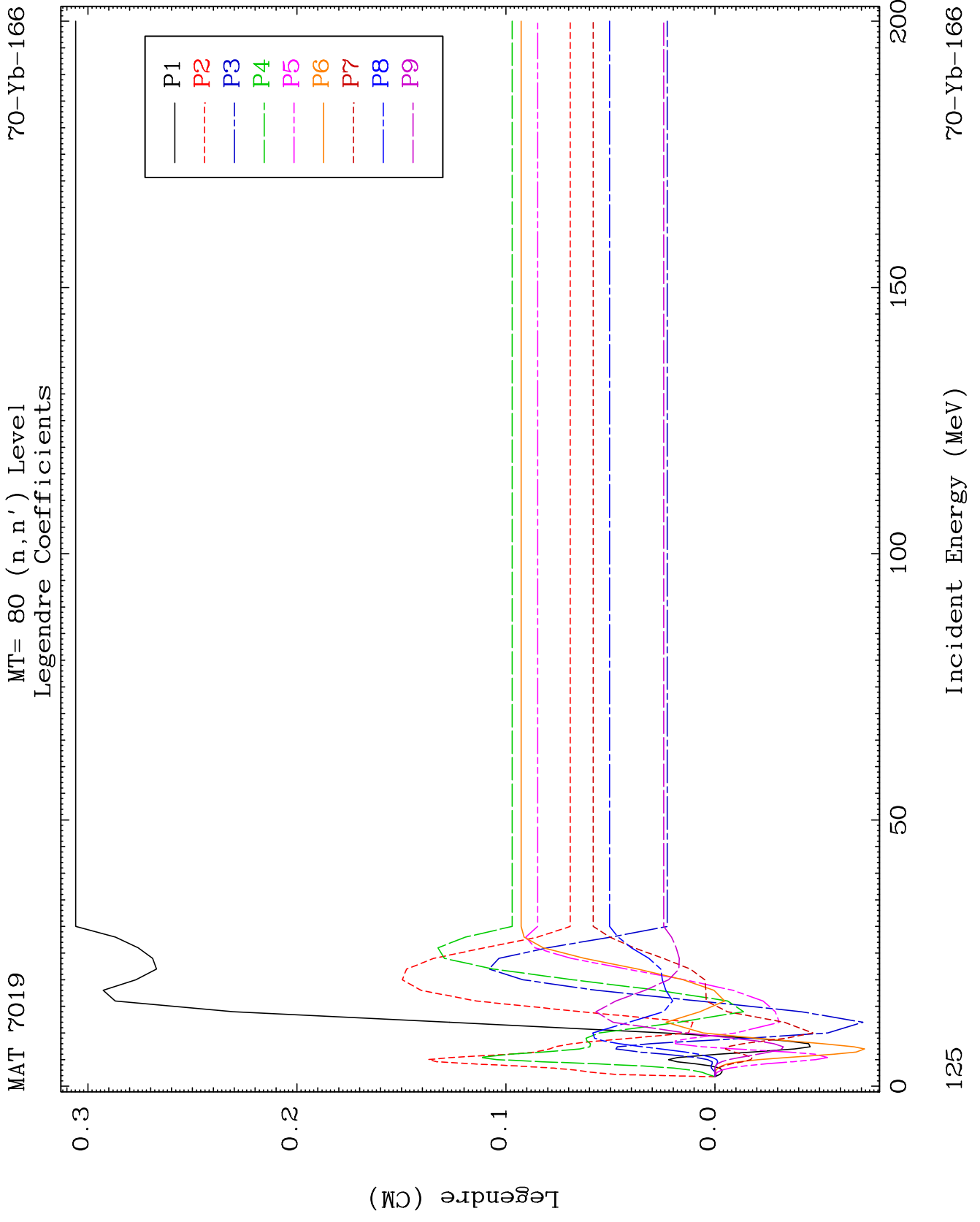


123

Incident Energy (MeV)

70-Yb-166

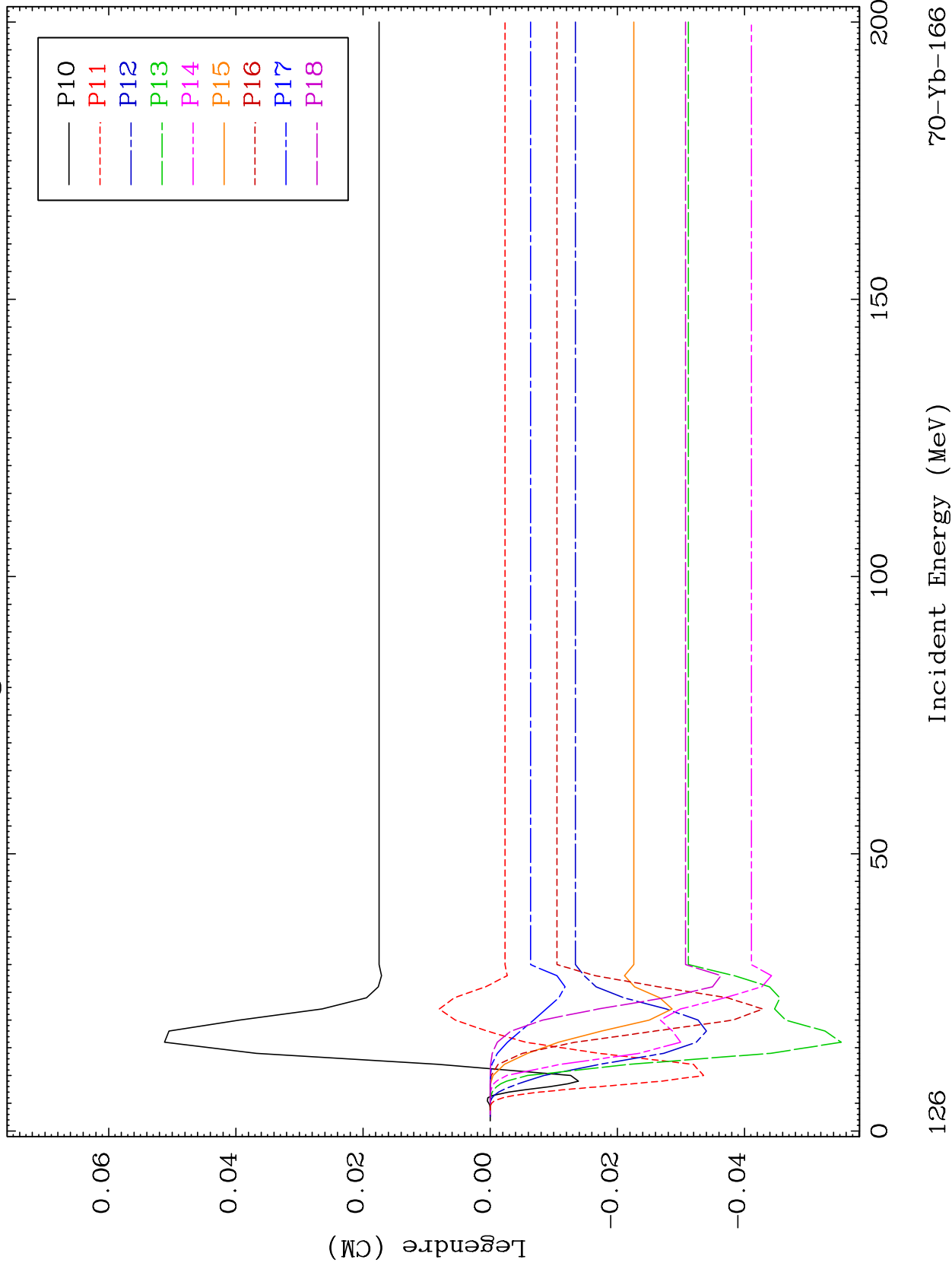




MAT 7019

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

70-Yb-166



70-Yb-166

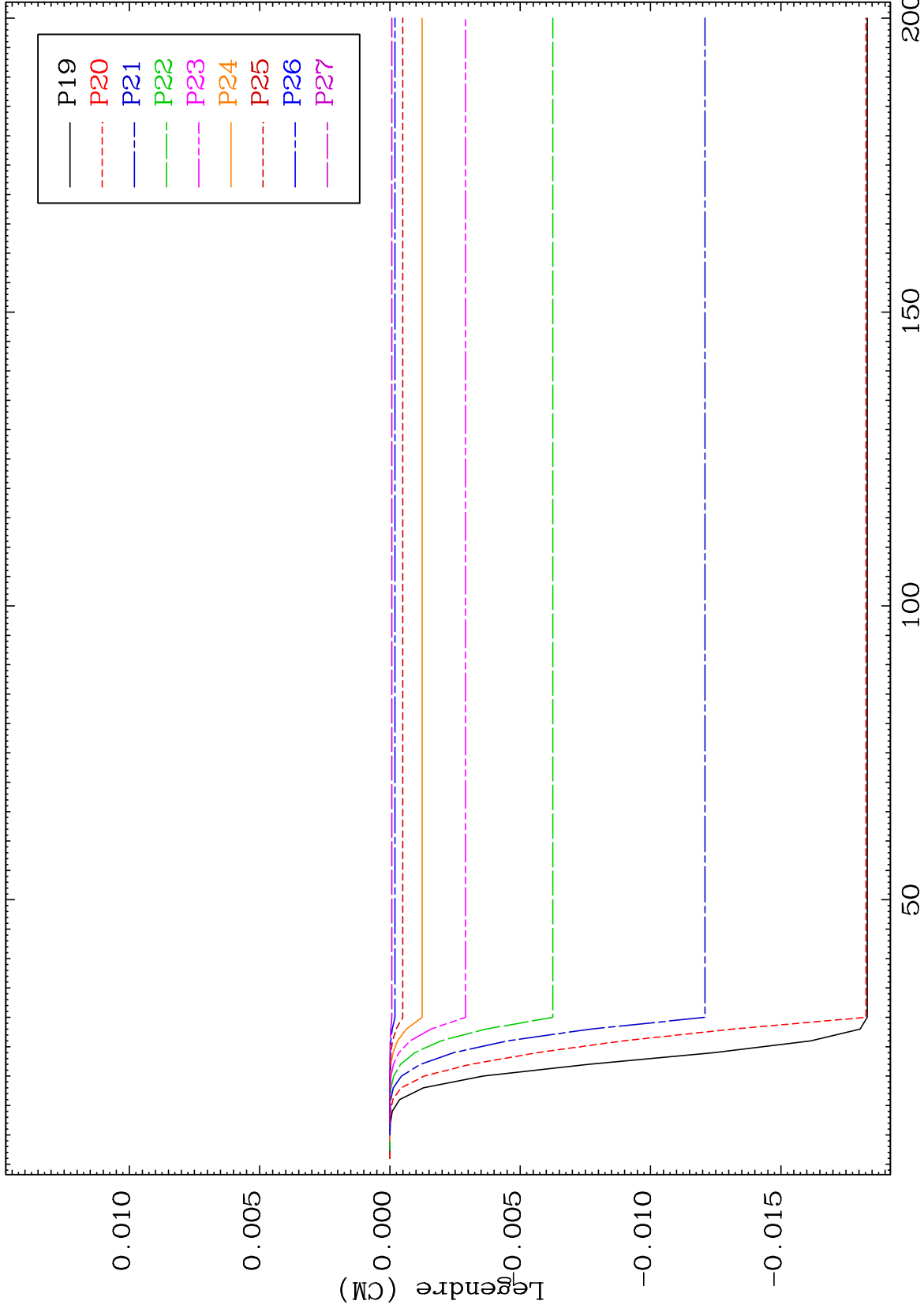
Incident Energy (MeV)

126

MAT 7019

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

70-Yb-166

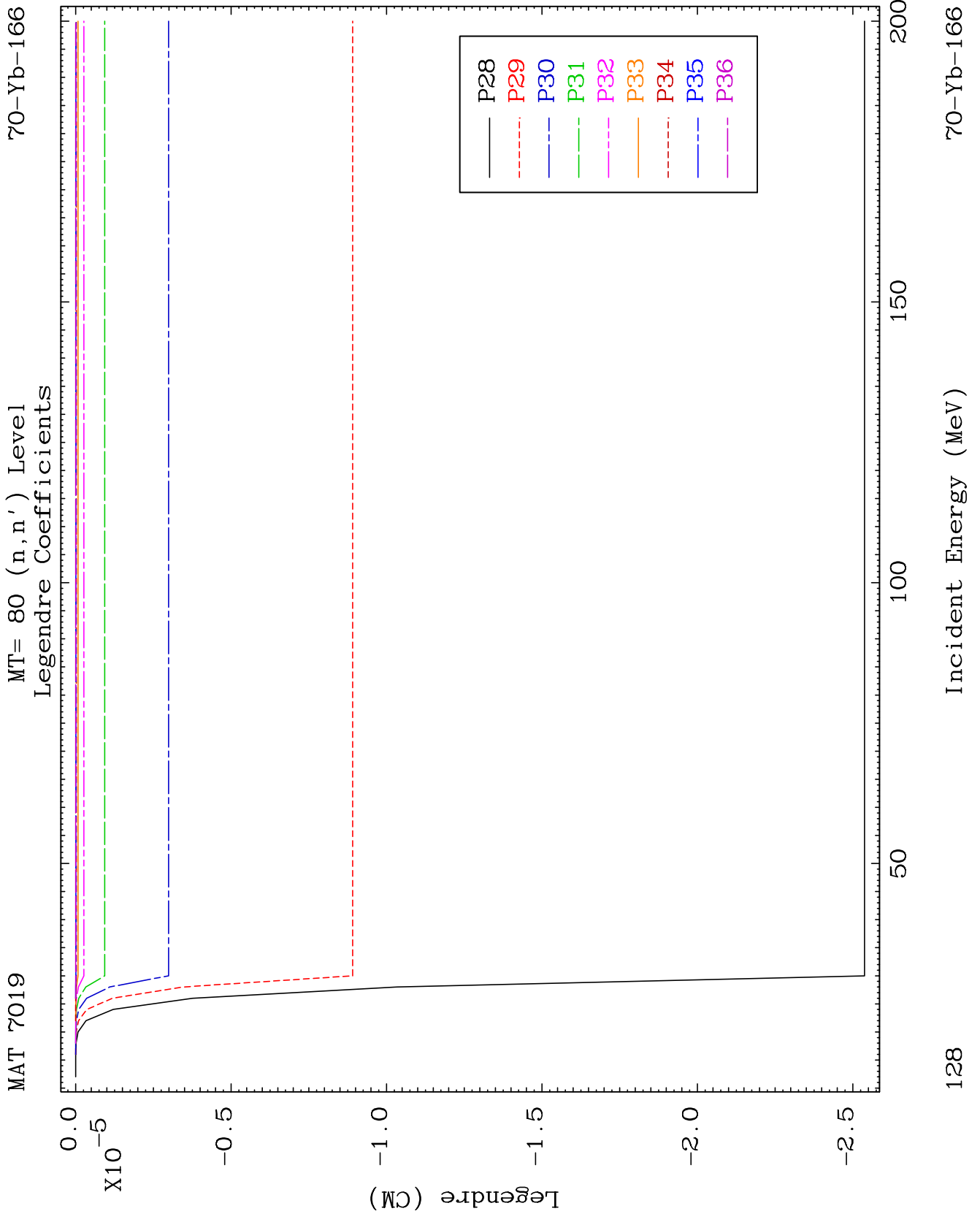


127

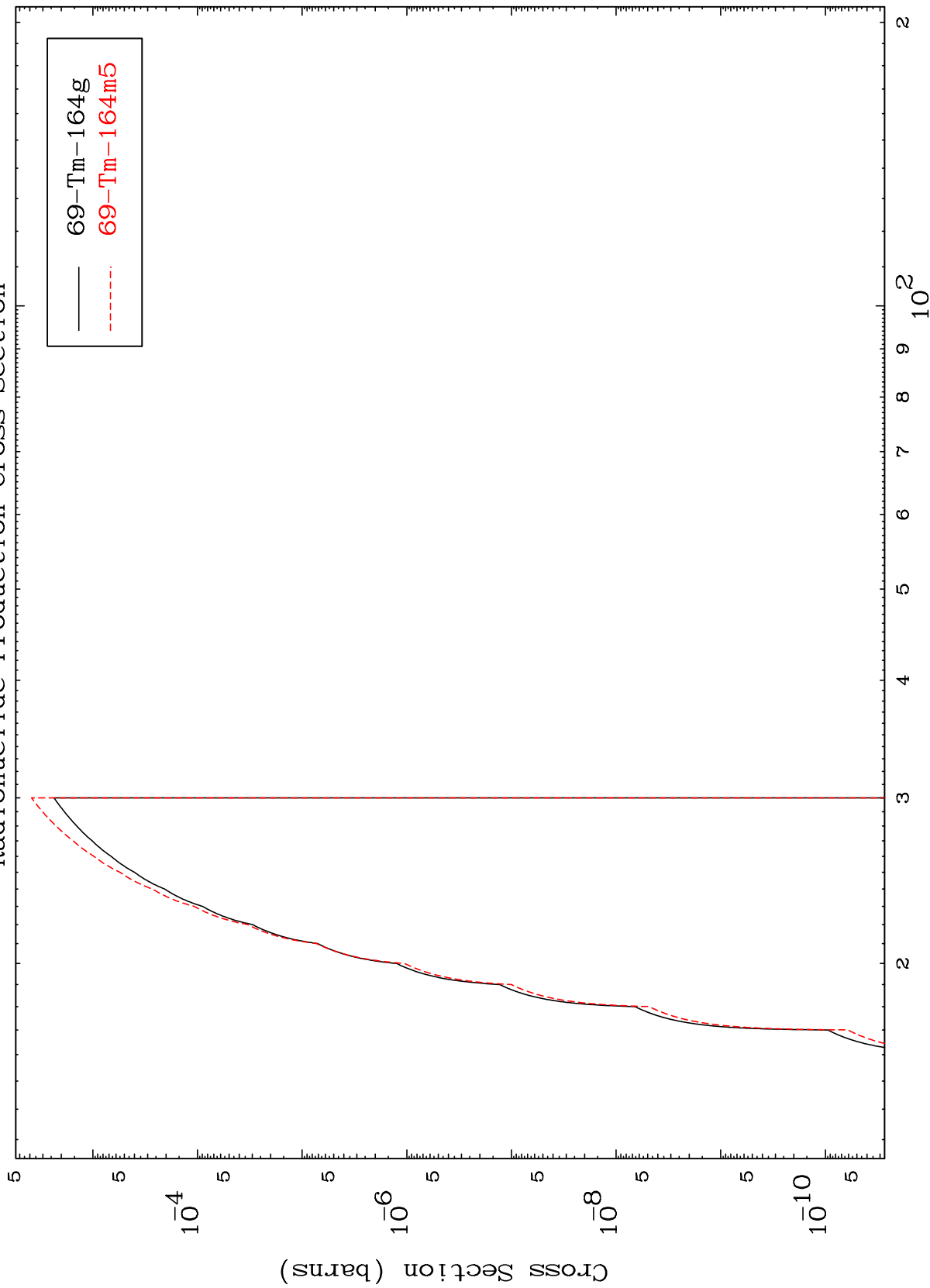
Incident Energy (MeV)

70-Yb-166





Radionuclide Production Cross Section

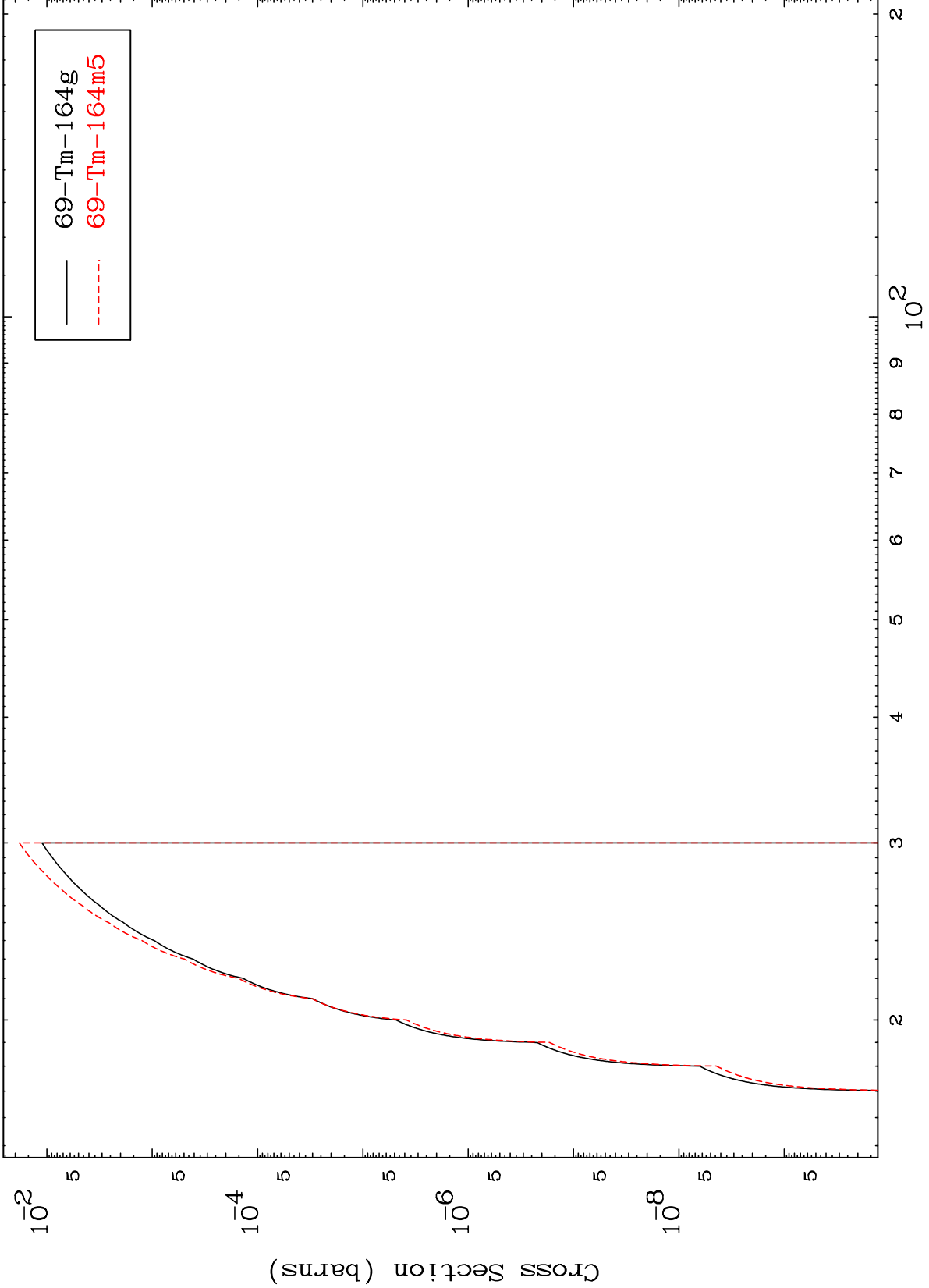


MAT 7019

(n,2n) p

70-Yb-166

Radionuclide Production Cross Section



130

Incident Energy (MeV)

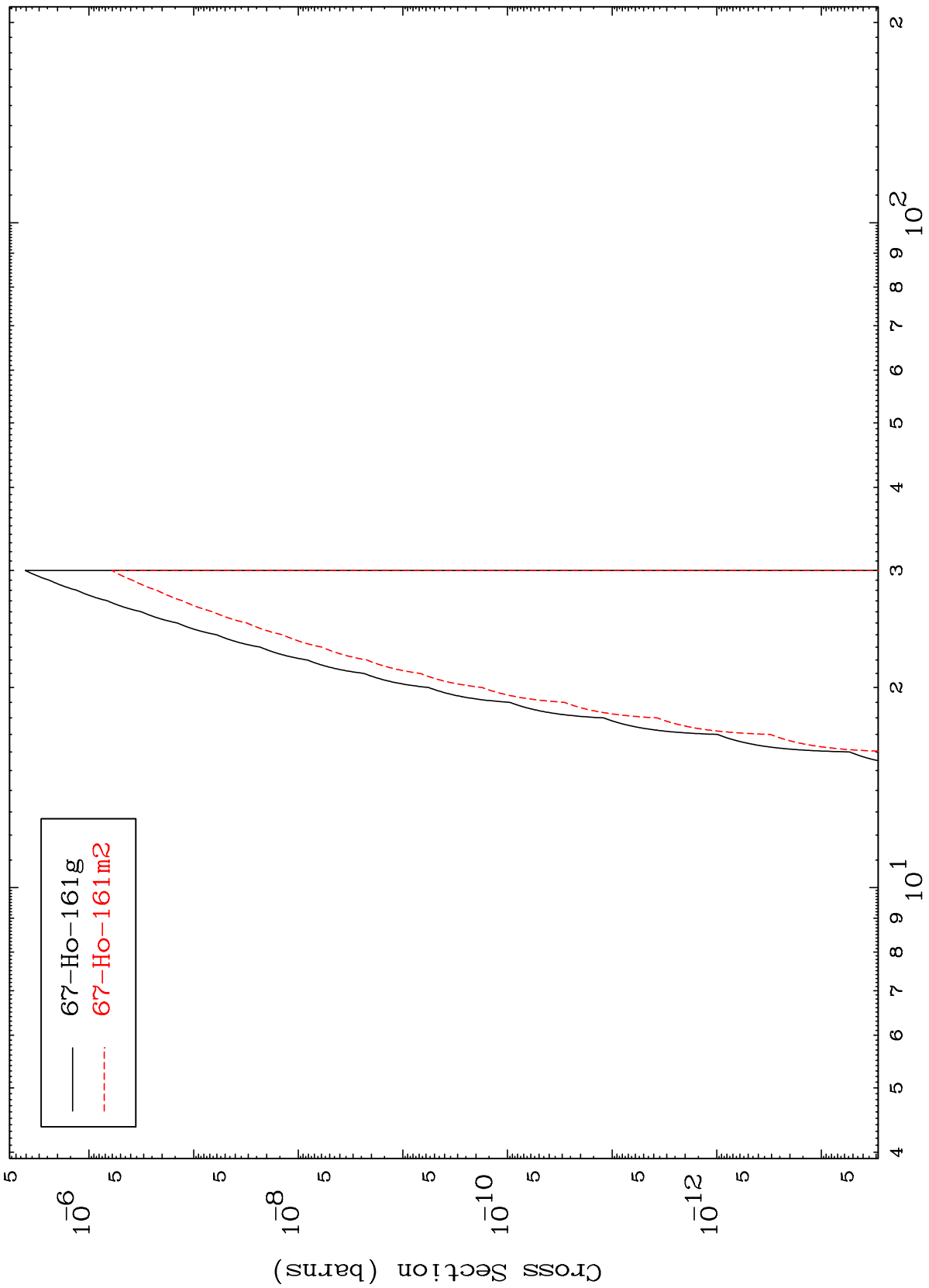
70-Yb-166

MAT 7019

(n,n') p  $\alpha$

70-Yb-166

Radionuclide Production Cross Section

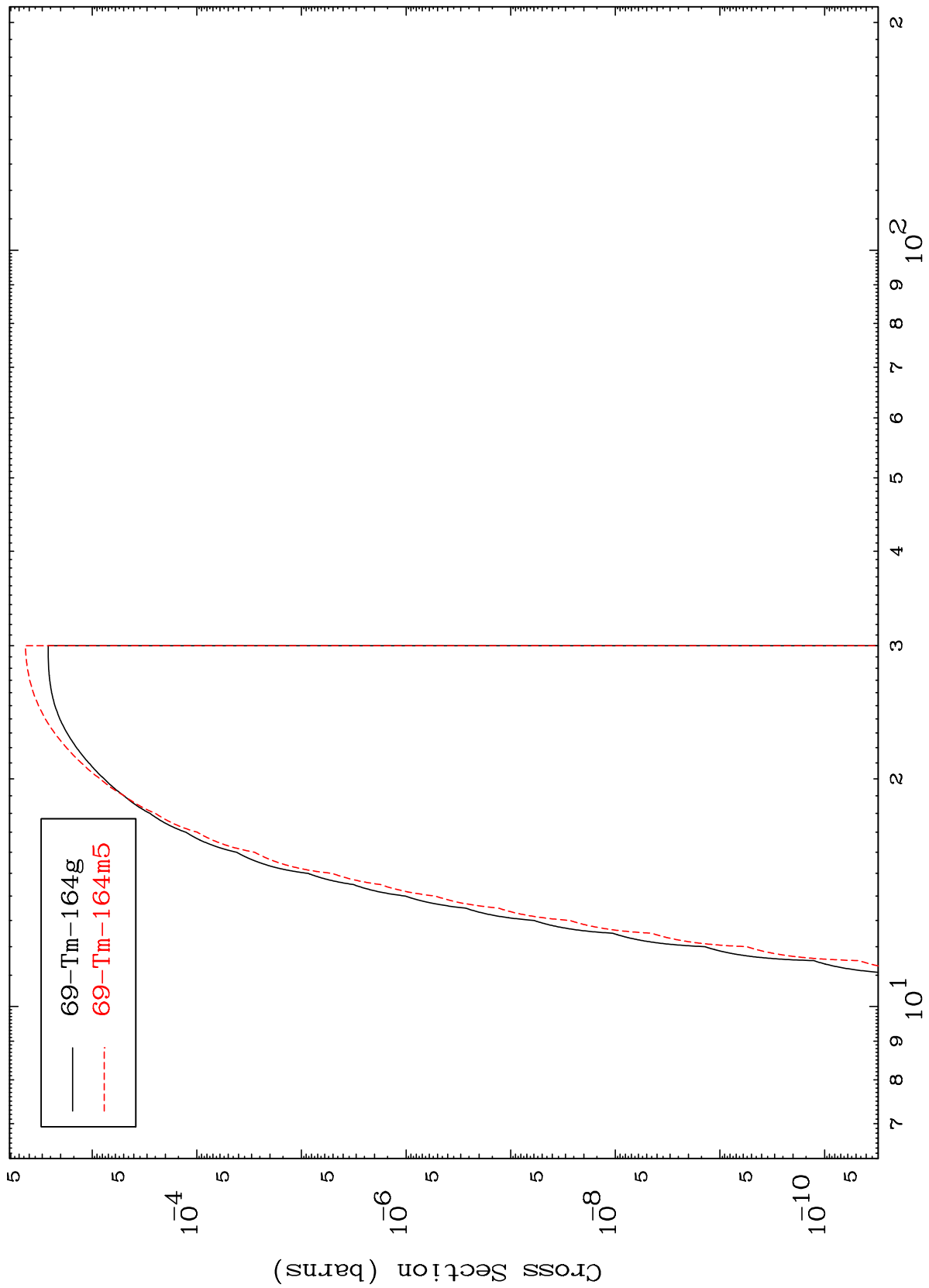


131

Incident Energy (MeV)

70-Yb-166

(n, t)  
Radionuclide Production Cross Section

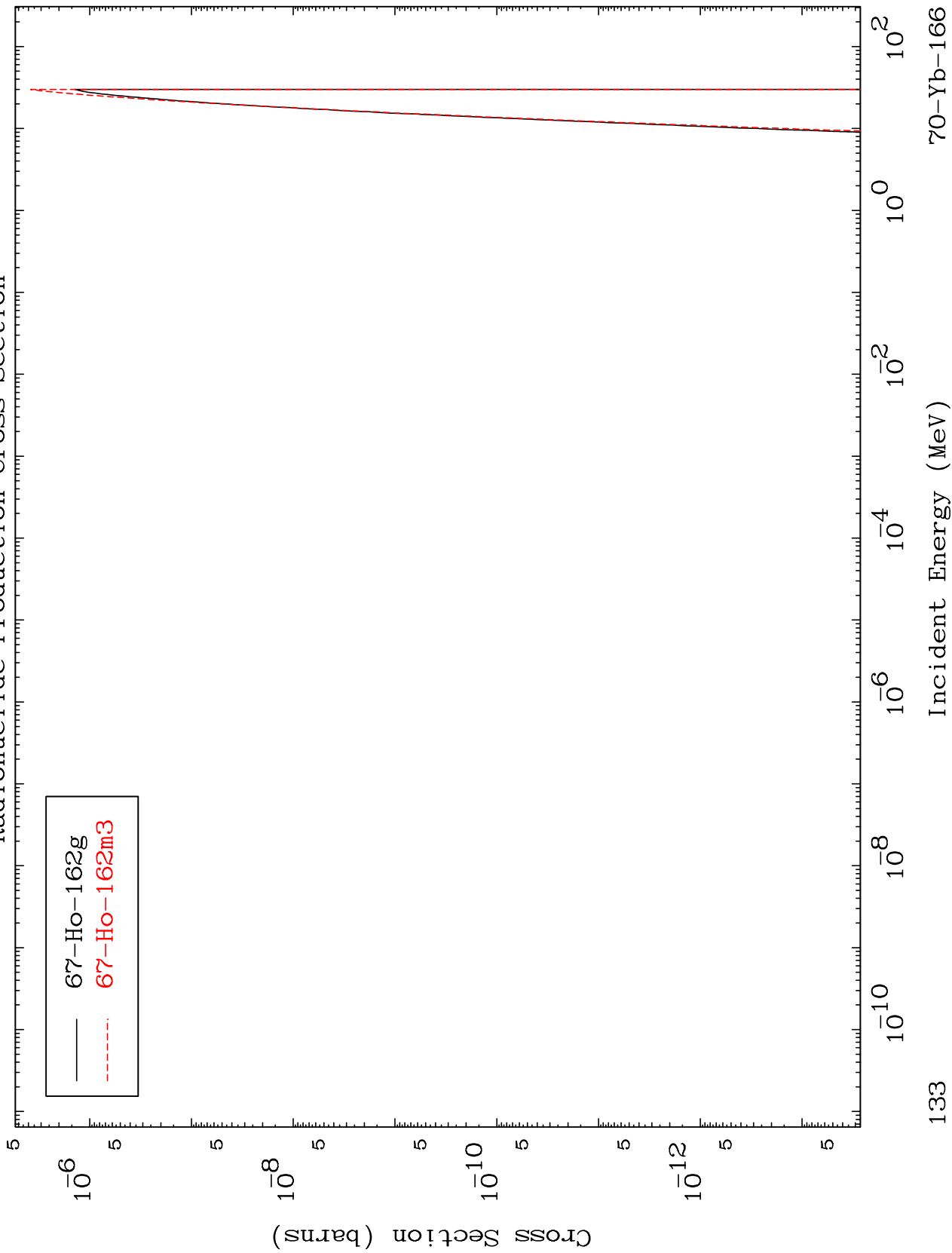


MAT 7019

(n,p)  $\alpha$

70-Yb-166

Radionuclide Production Cross Section

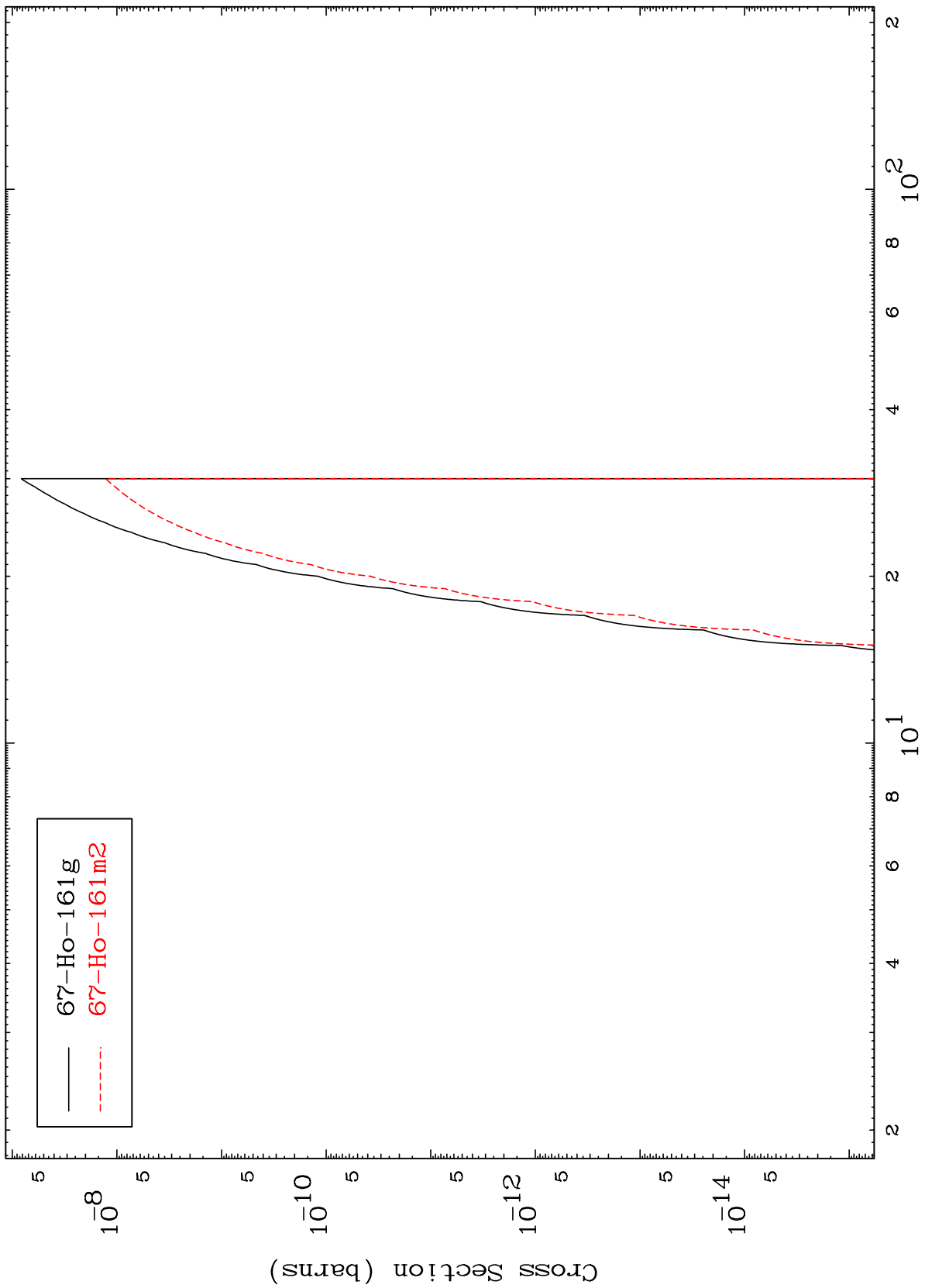


MAT 7019

(n,d)  $\alpha$

70-Yb-166

Radionuclide Production Cross Section



134

Incident Energy (MeV)

70-Yb-166