

Program EVALPLOT  
(Version 2018-1)

by

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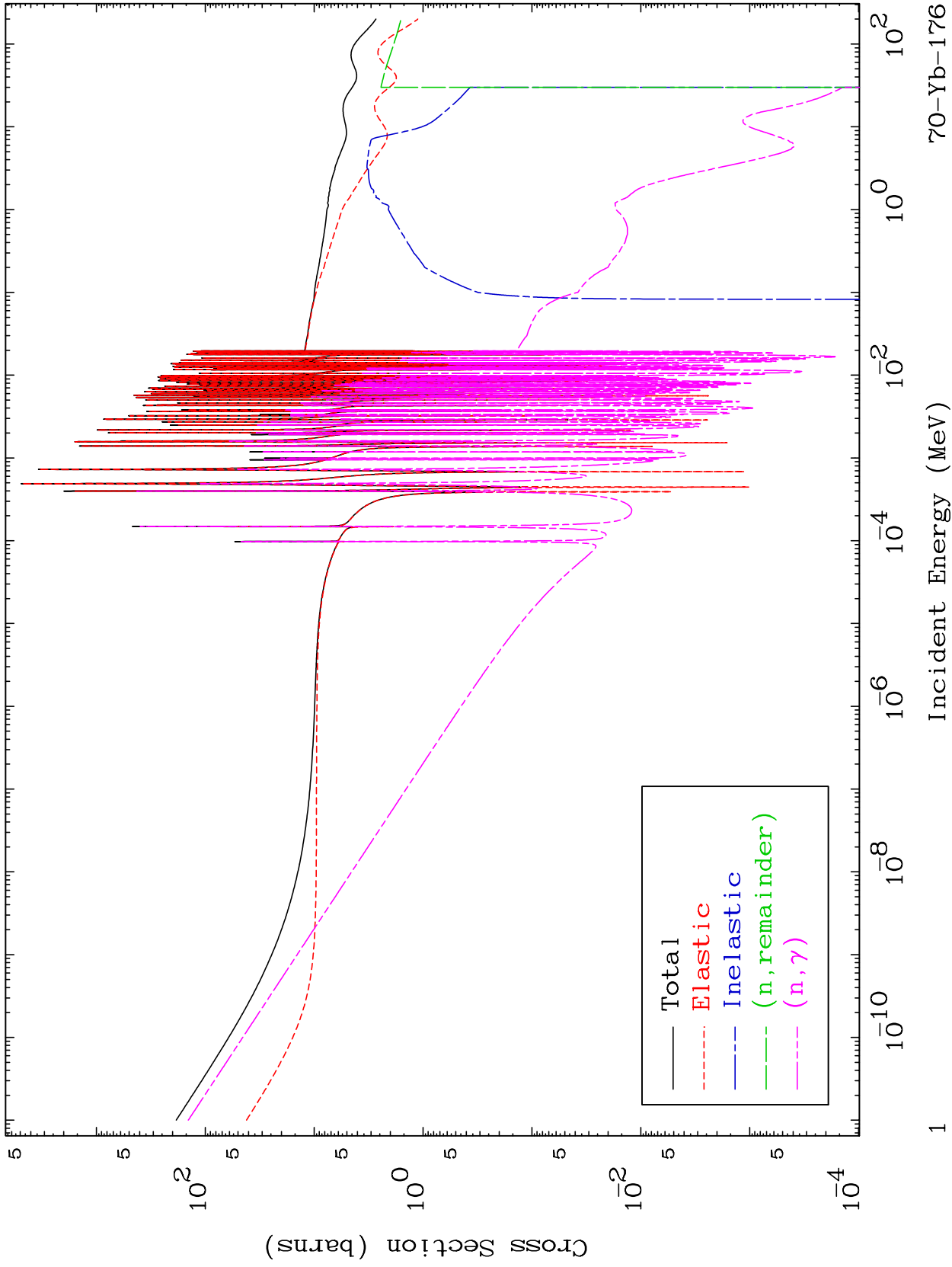
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7049

Major  
293 Kelvin Cross Sections

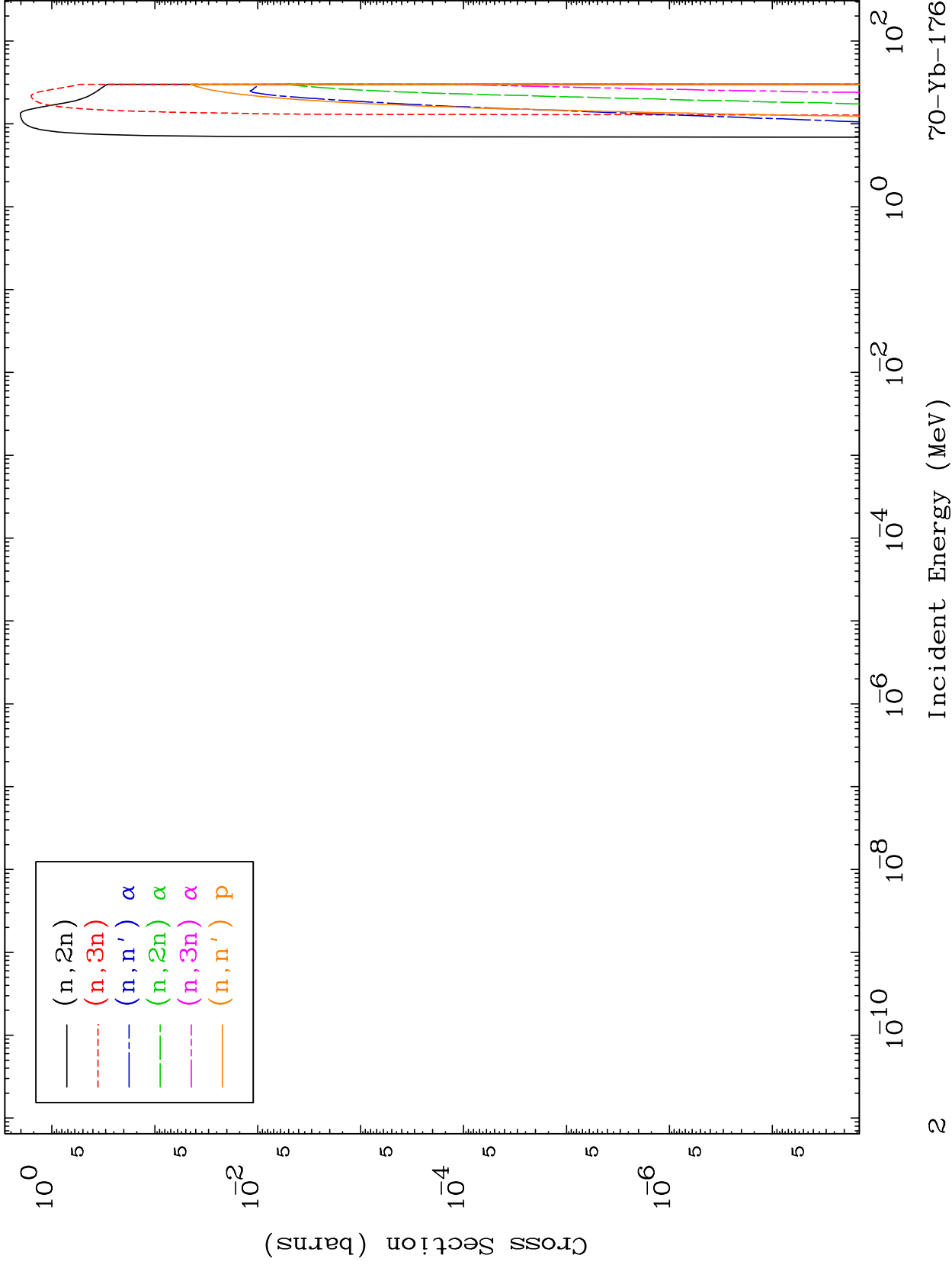
70-Yb-176

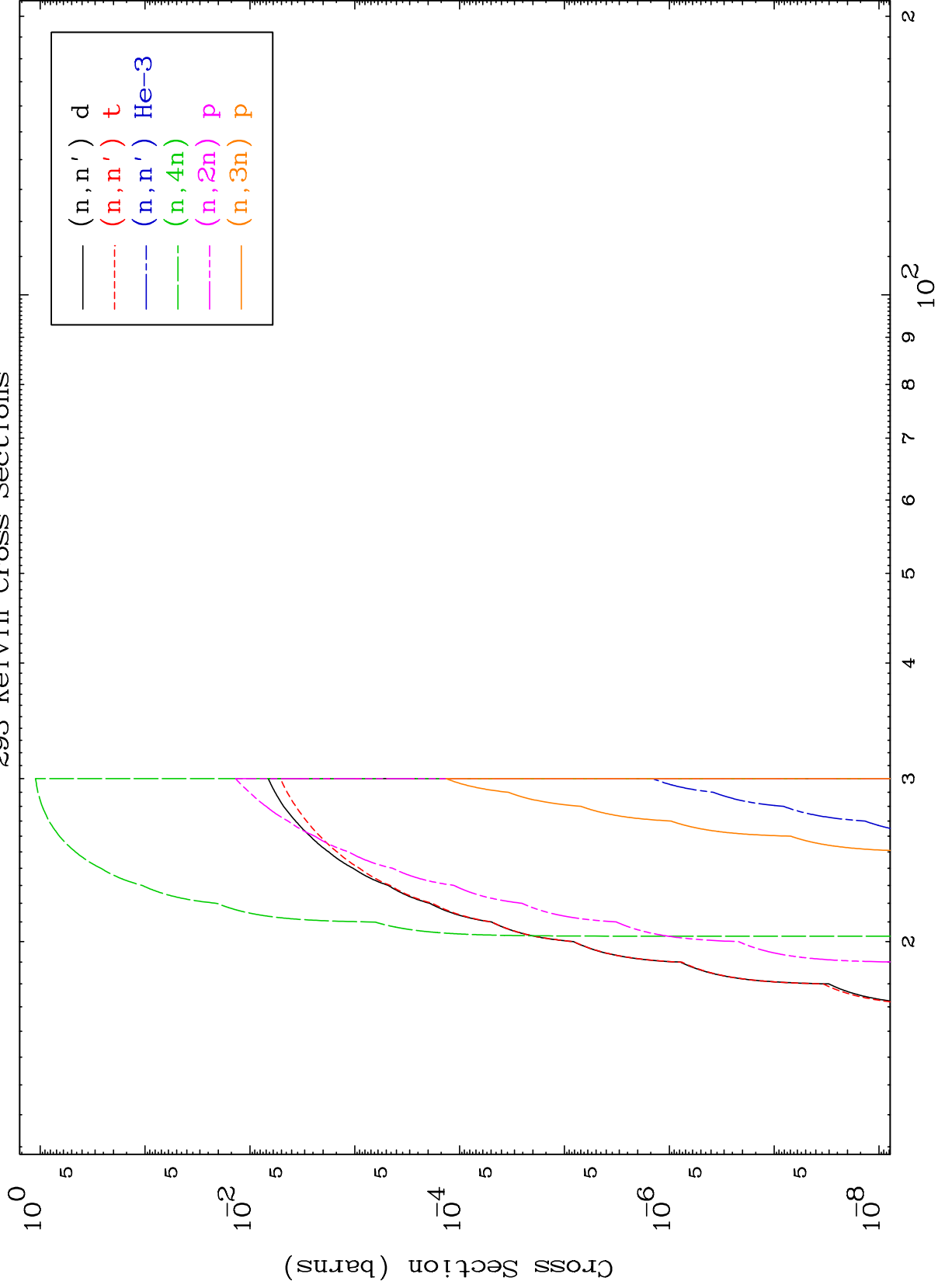


MAT 7049

Neutron Production  
293 Kelvin Cross Sections

70-Yb-176

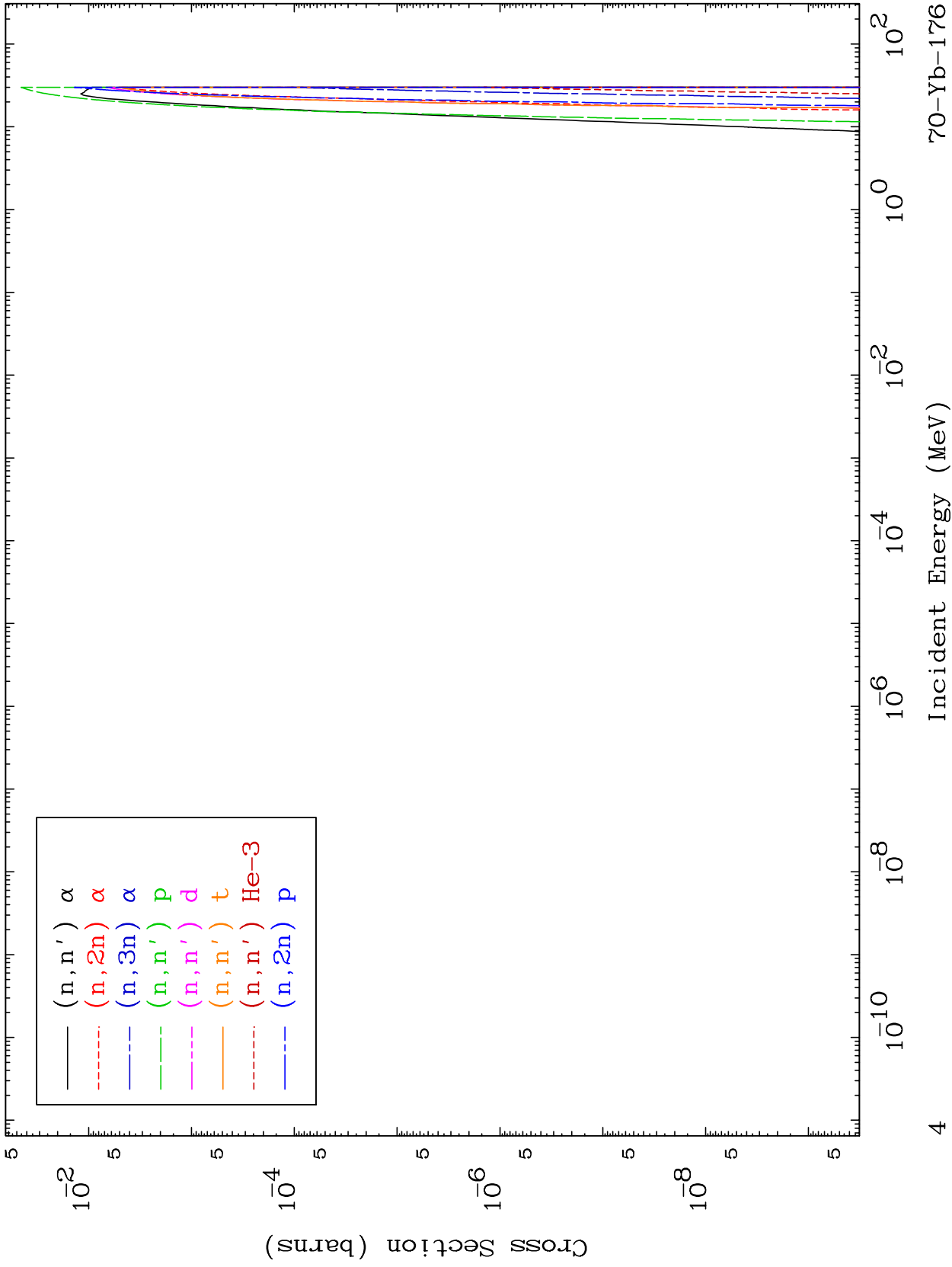




MAT 7049

Charged Particle  
293 Kelvin Cross Sections

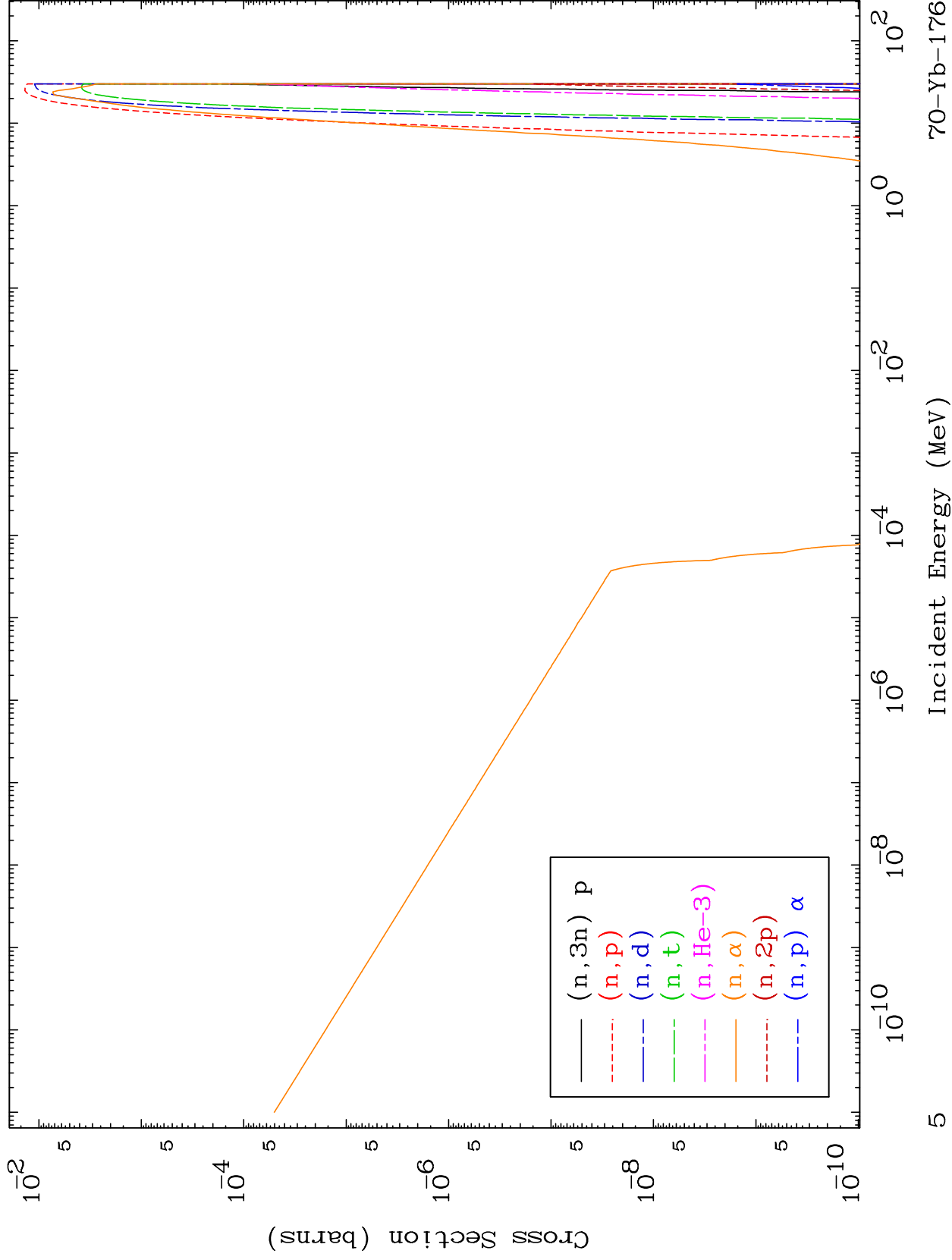
70-Yb-176



MAT 7049

Charged Particle  
293 Kelvin Cross Sections

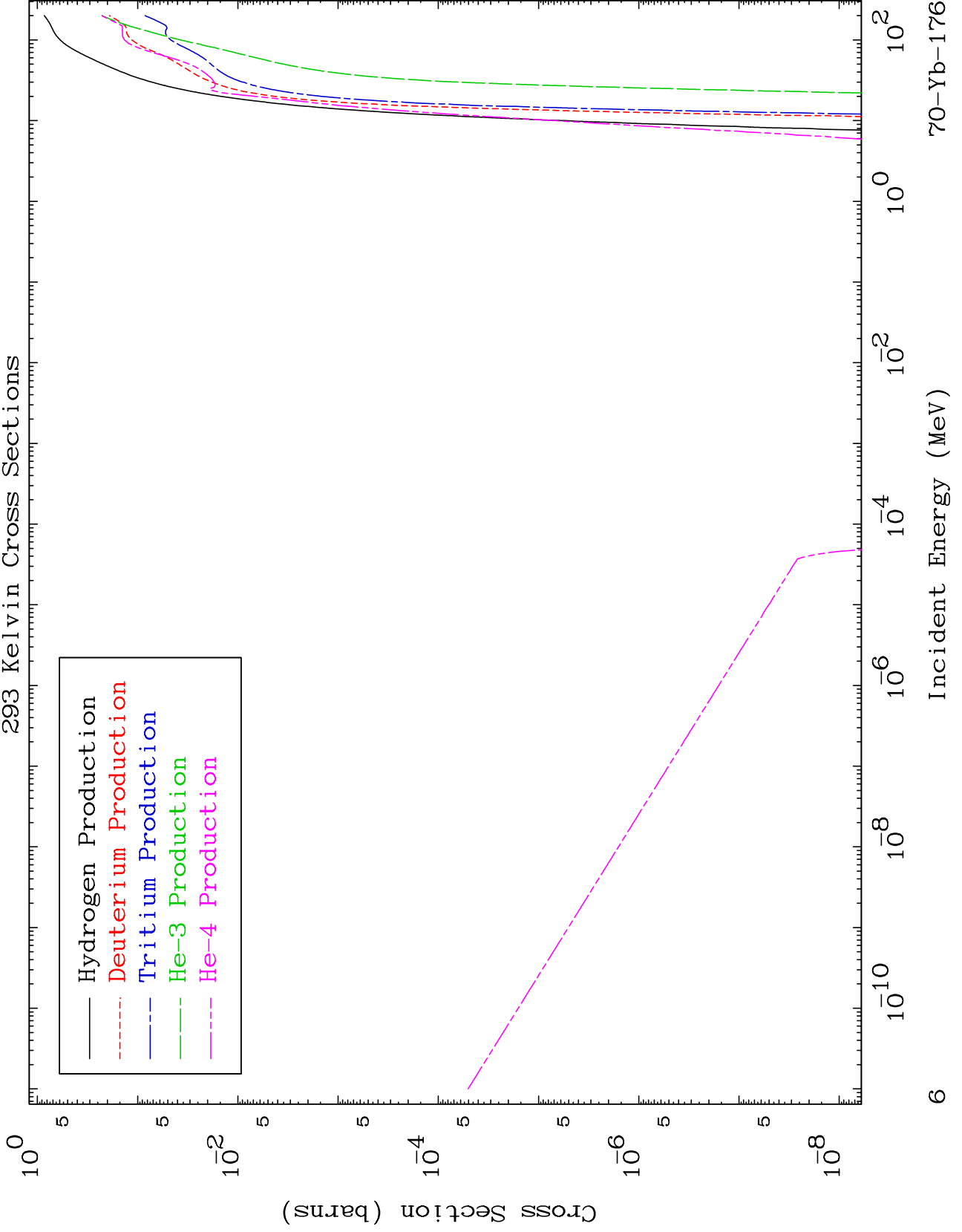
70-Yb-176



MAT 7049

Particle Production  
293 Kelvin Cross Sections

70-Yb-176

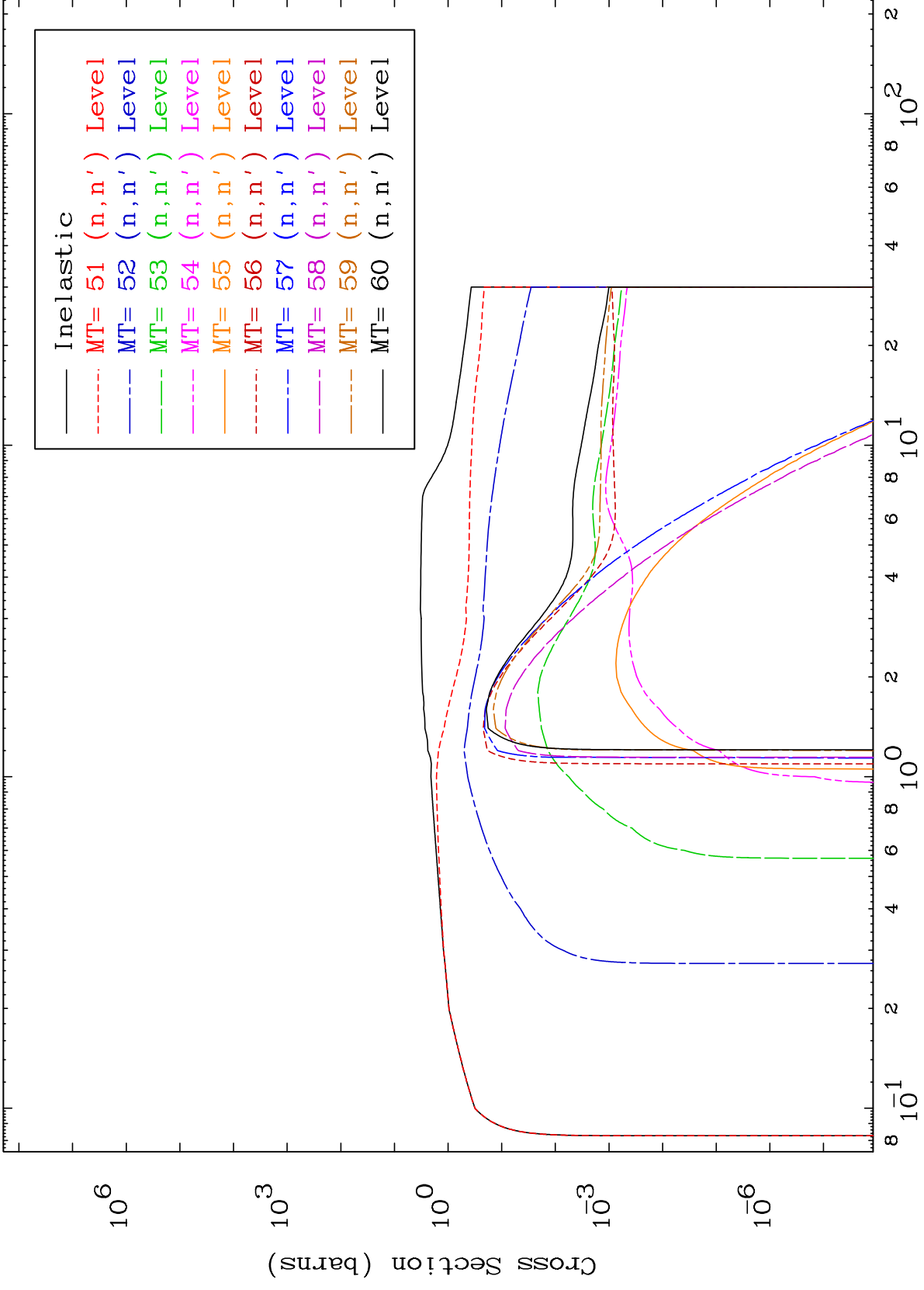


MAT 7049

(n,n') Level

70-Yb-176

293 Kelvin Cross Sections

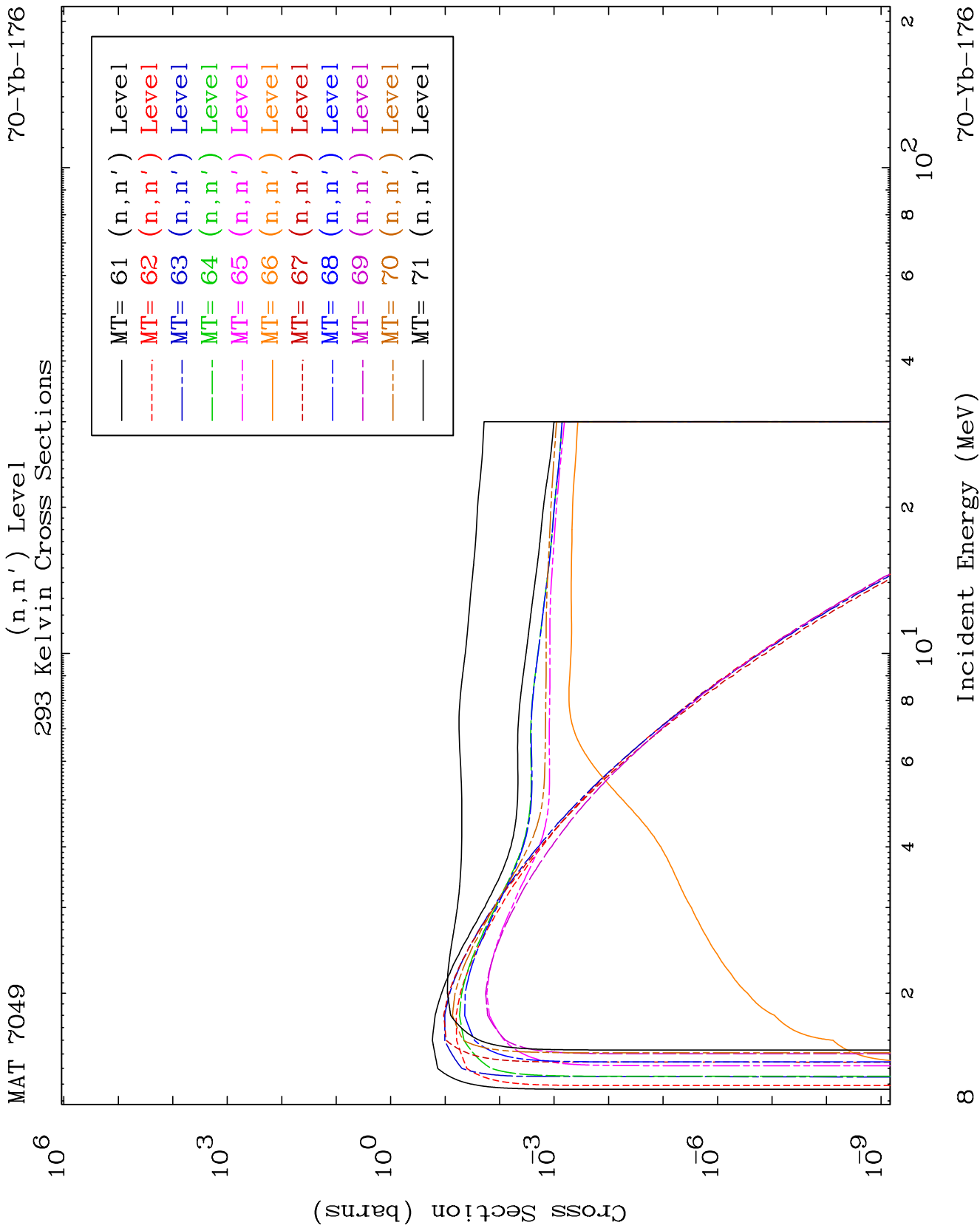


Incident Energy (MeV)

70-Yb-176

7



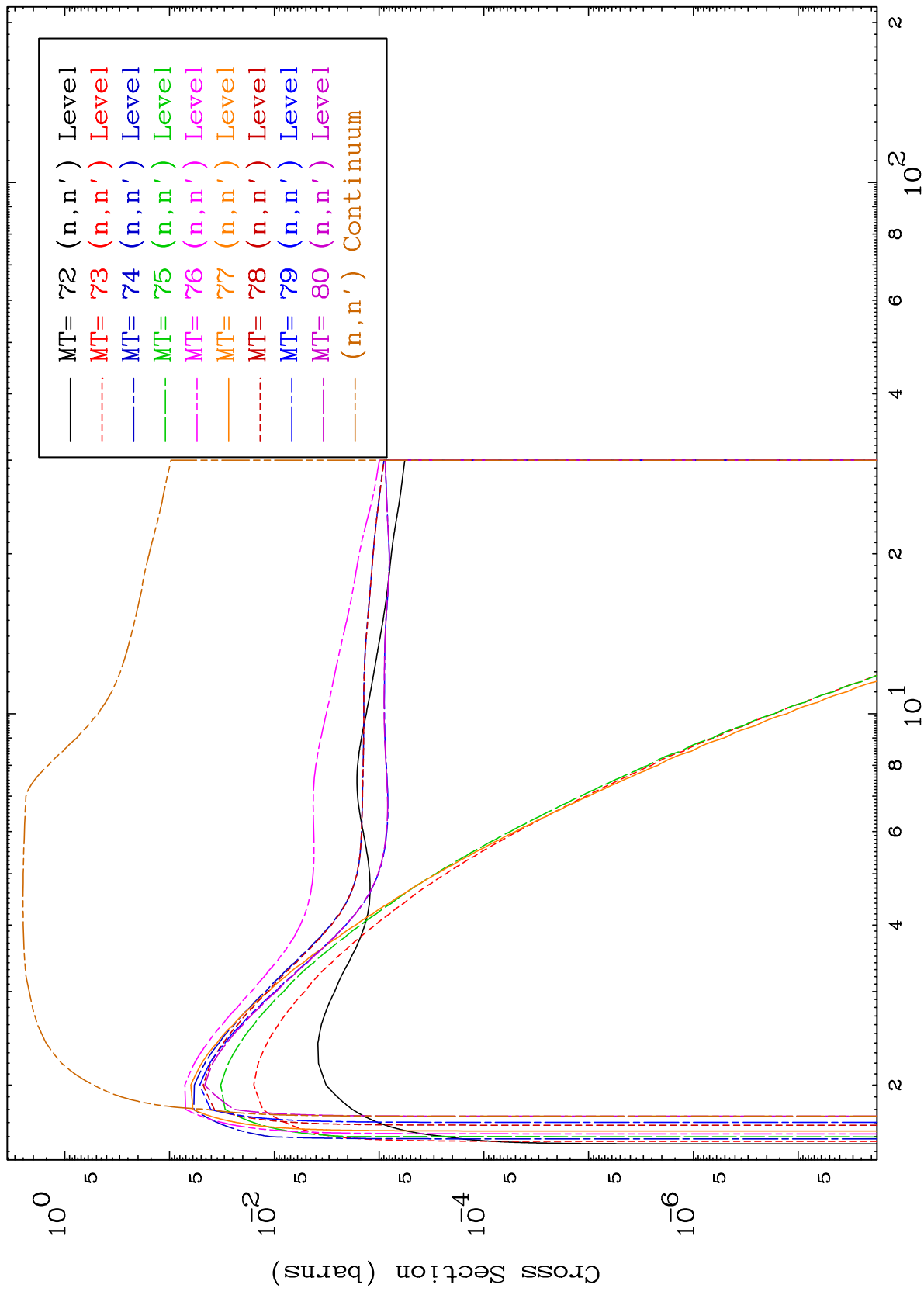


MAT 7049

(n,n') Level

70-Yb-176

293 Kelvin Cross Sections



9

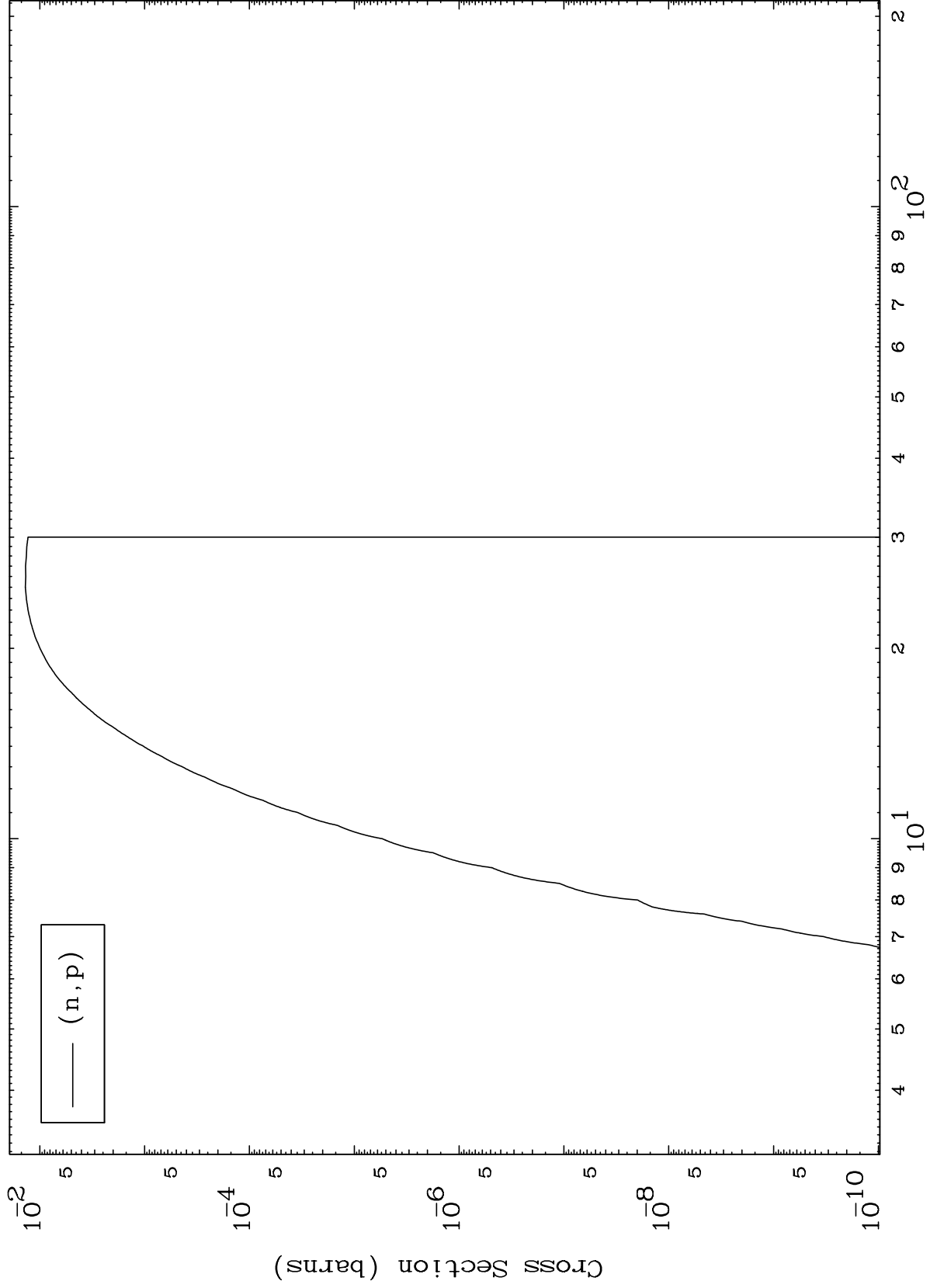
Incident Energy (MeV)

70-Yb-176

MAT 7049

(n,p) Levels  
293 Kelvin Cross Sections

70-Yb-176



10

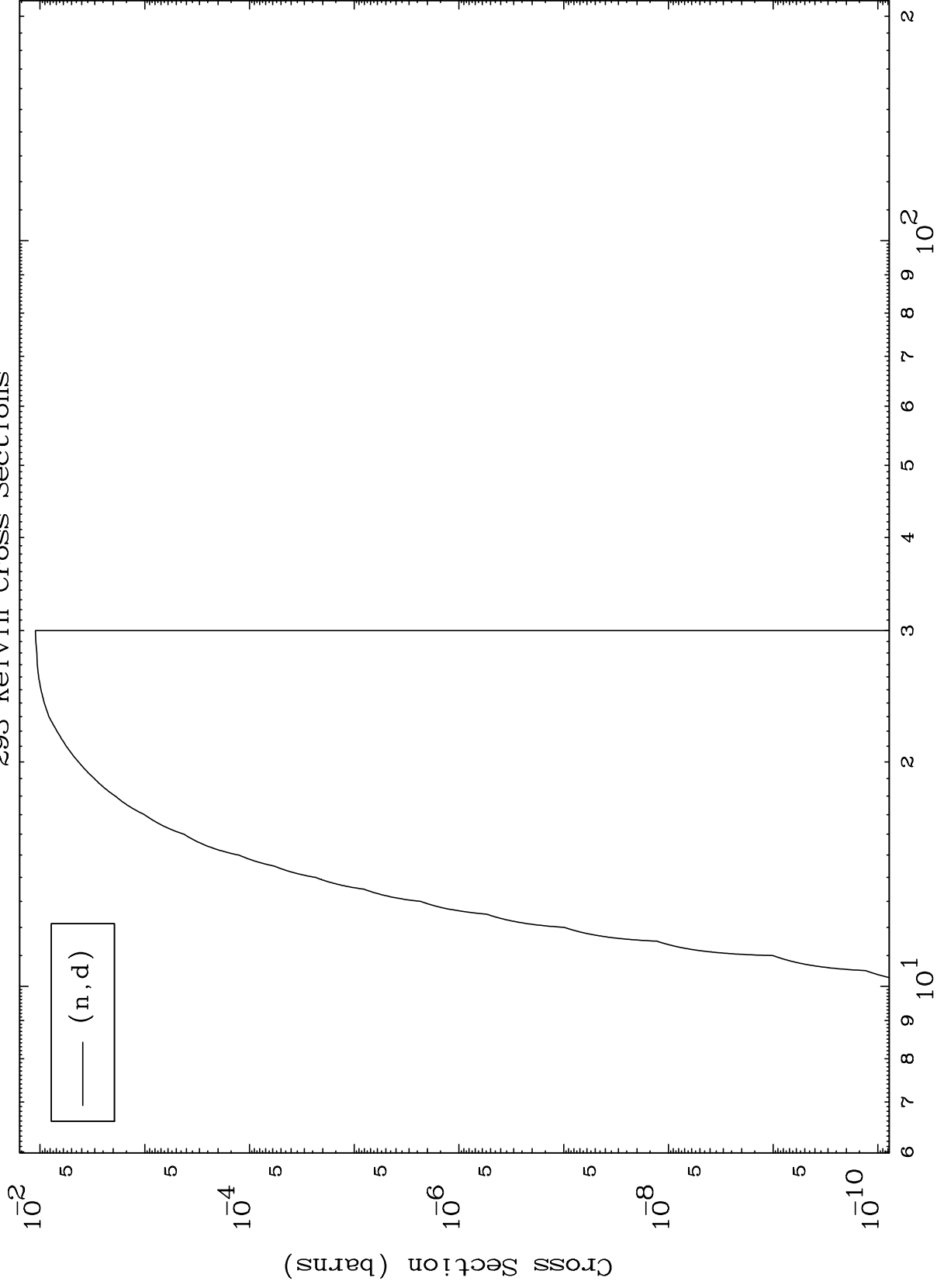
Incident Energy (MeV)

70-Yb-176

MAT 7049

(n,d) Levels  
293 Kelvin Cross Sections

70-Yb-176



11

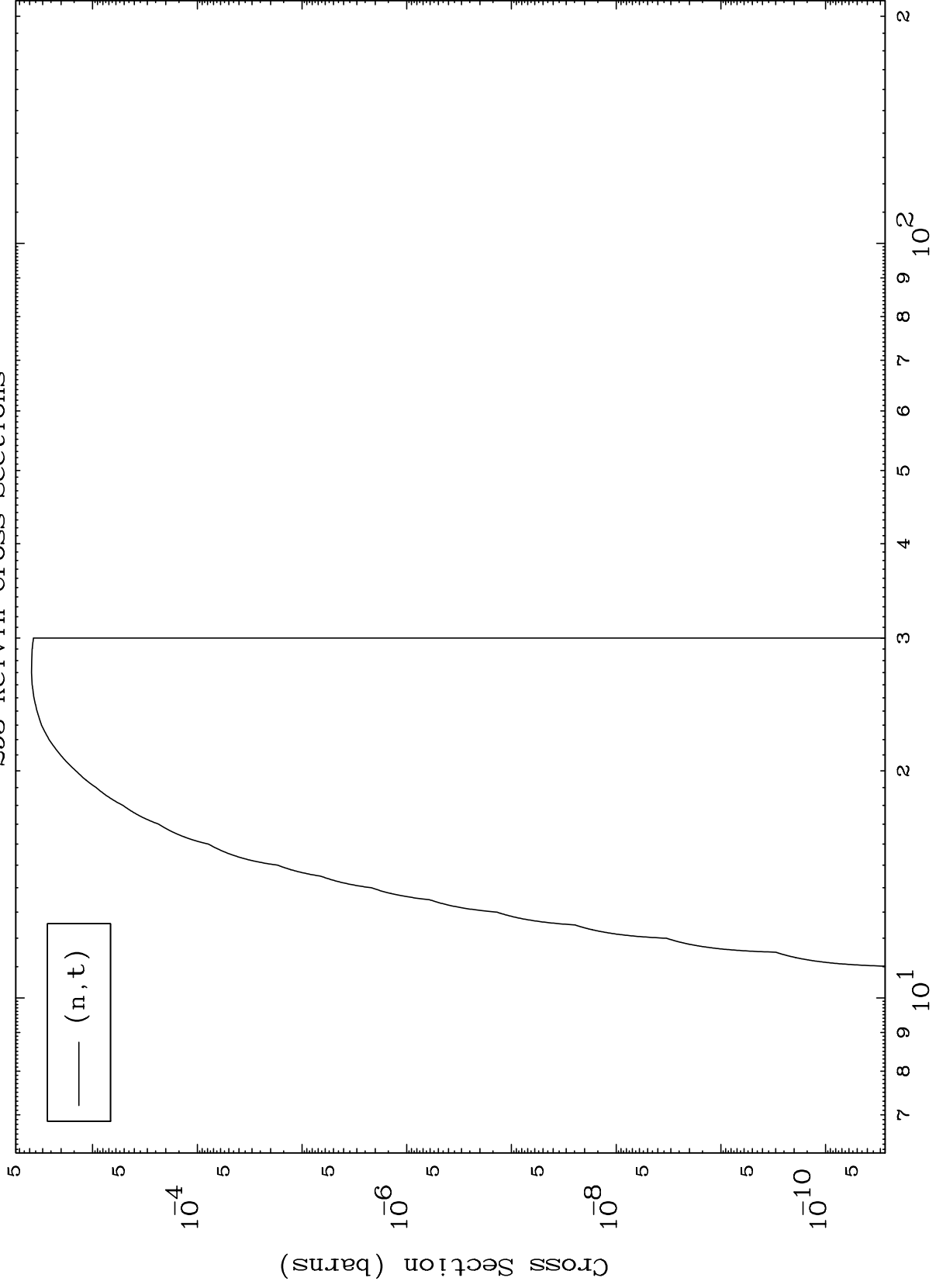
Incident Energy (MeV)

70-Yb-176

MAT 7049

(n,t) Levels  
293 Kelvin Cross Sections

70-Yb-176



12

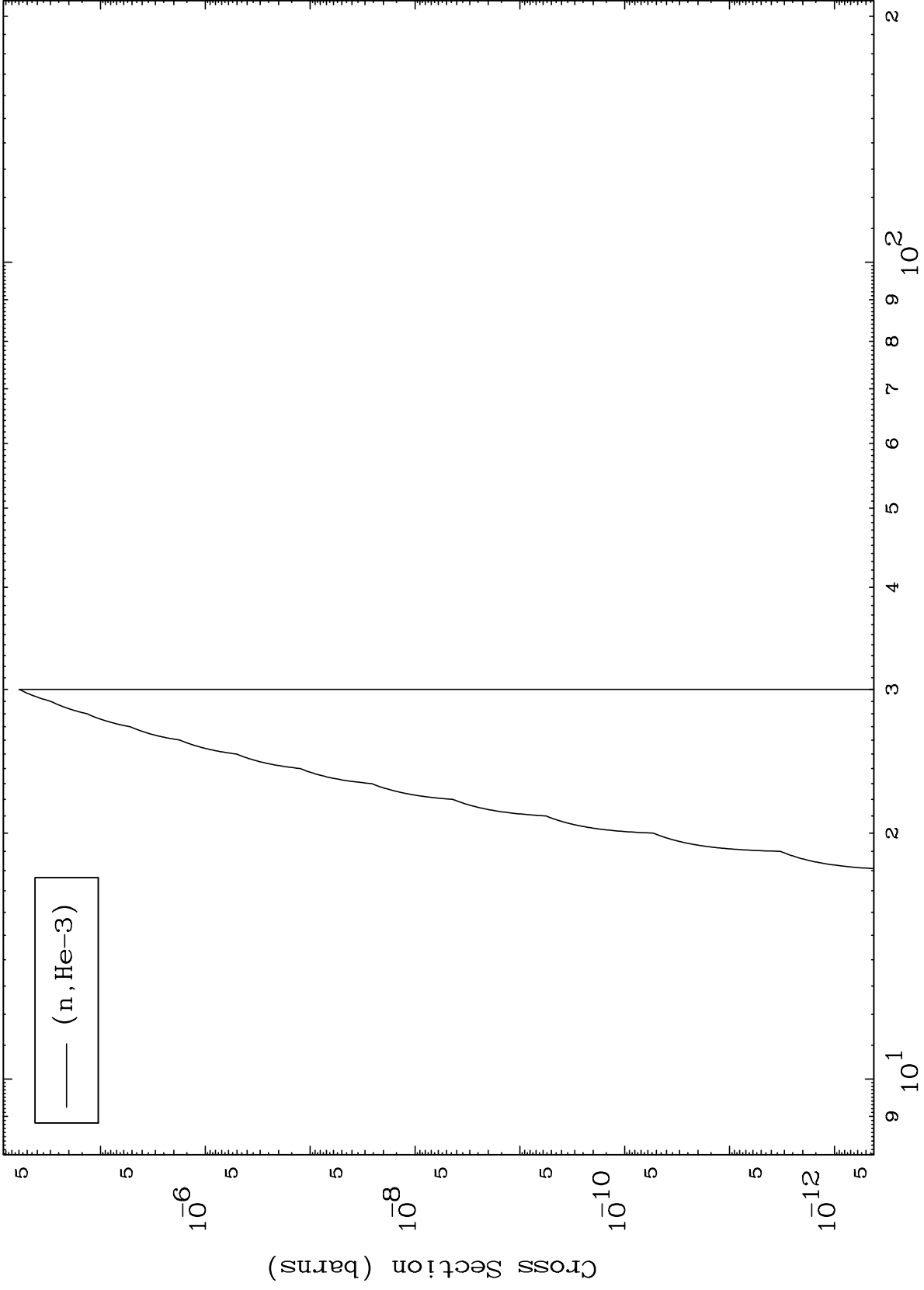
Incident Energy (MeV)

70-Yb-176

MAT 7049

(n,He3) Levels  
293 Kelvin Cross Sections

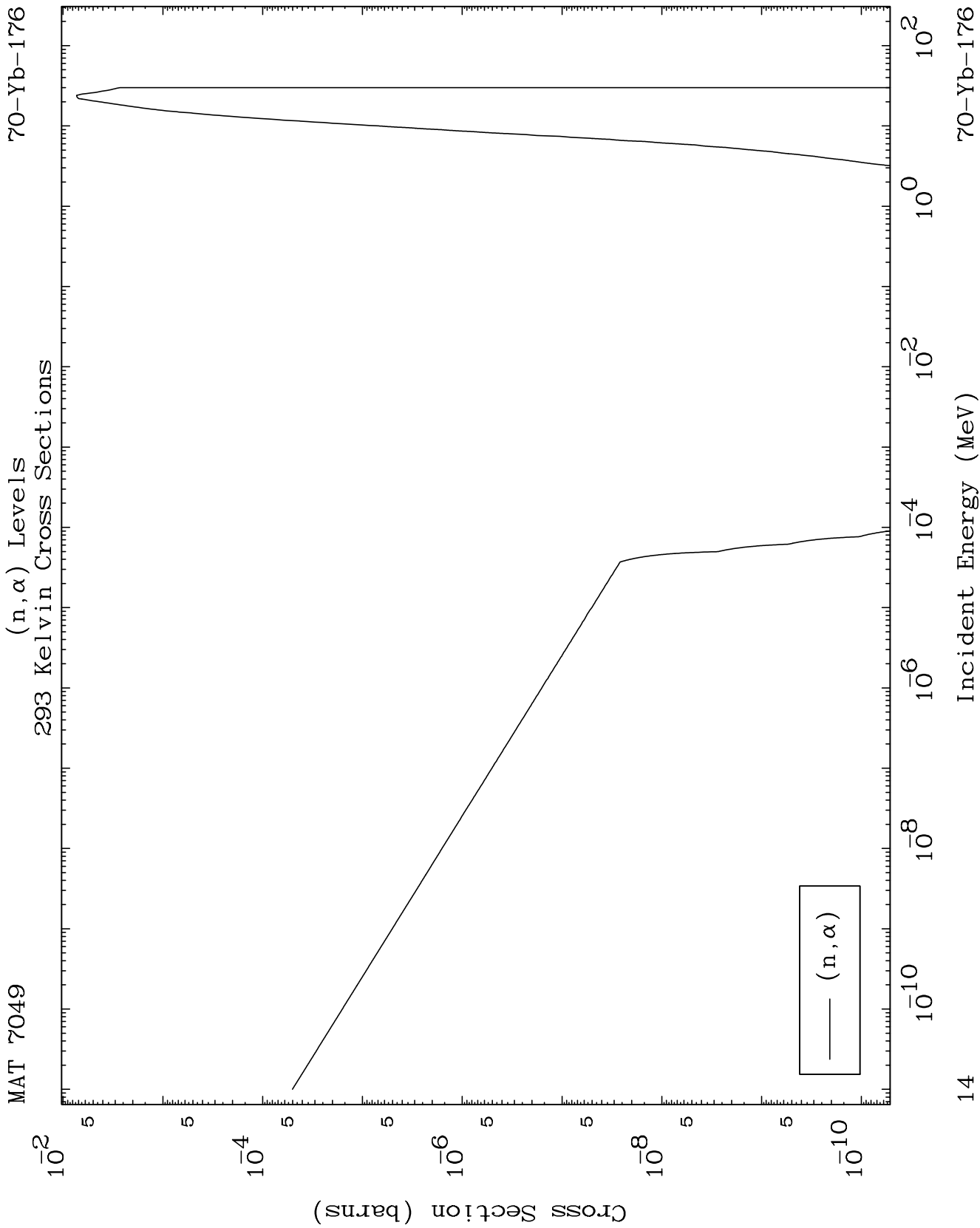
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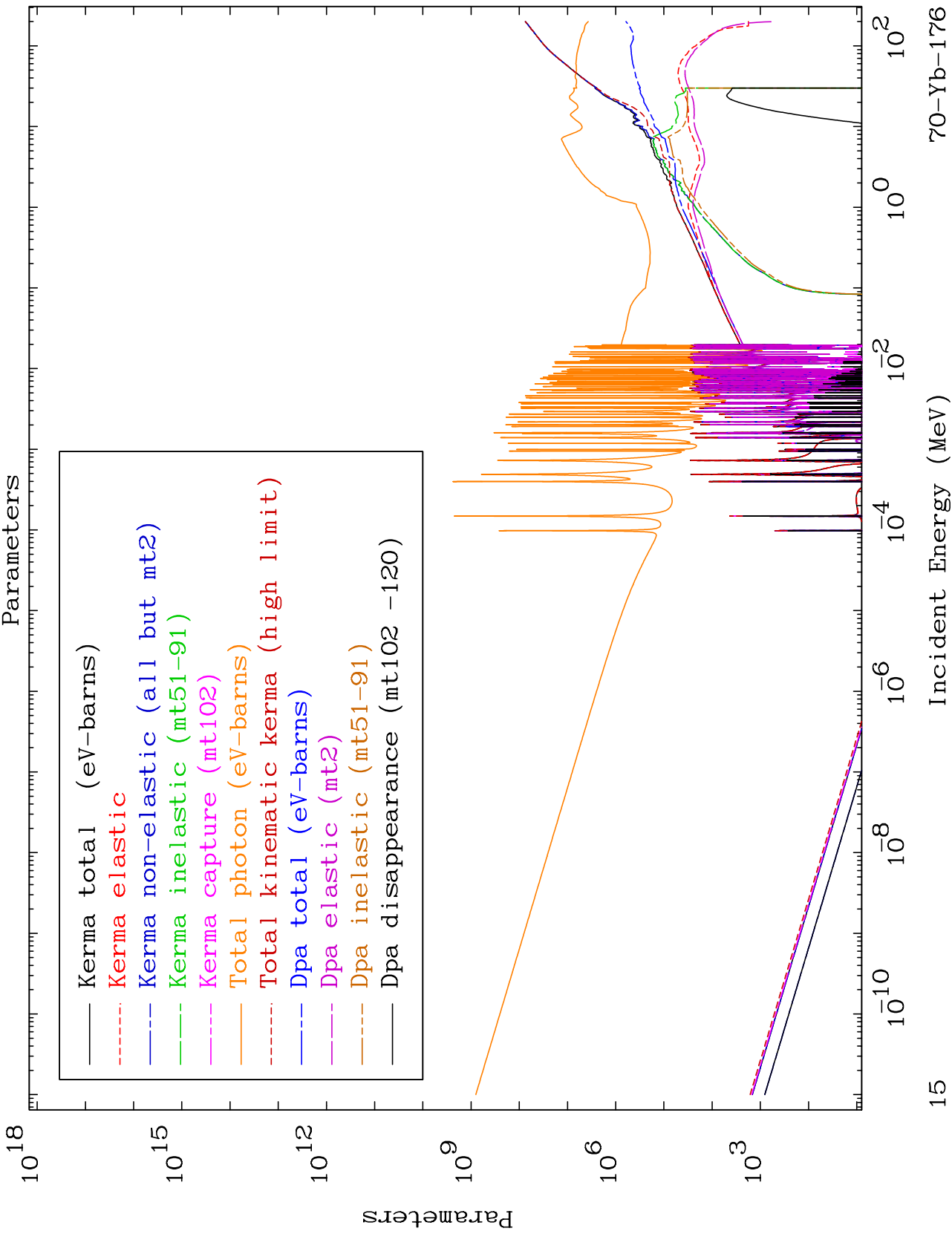


13

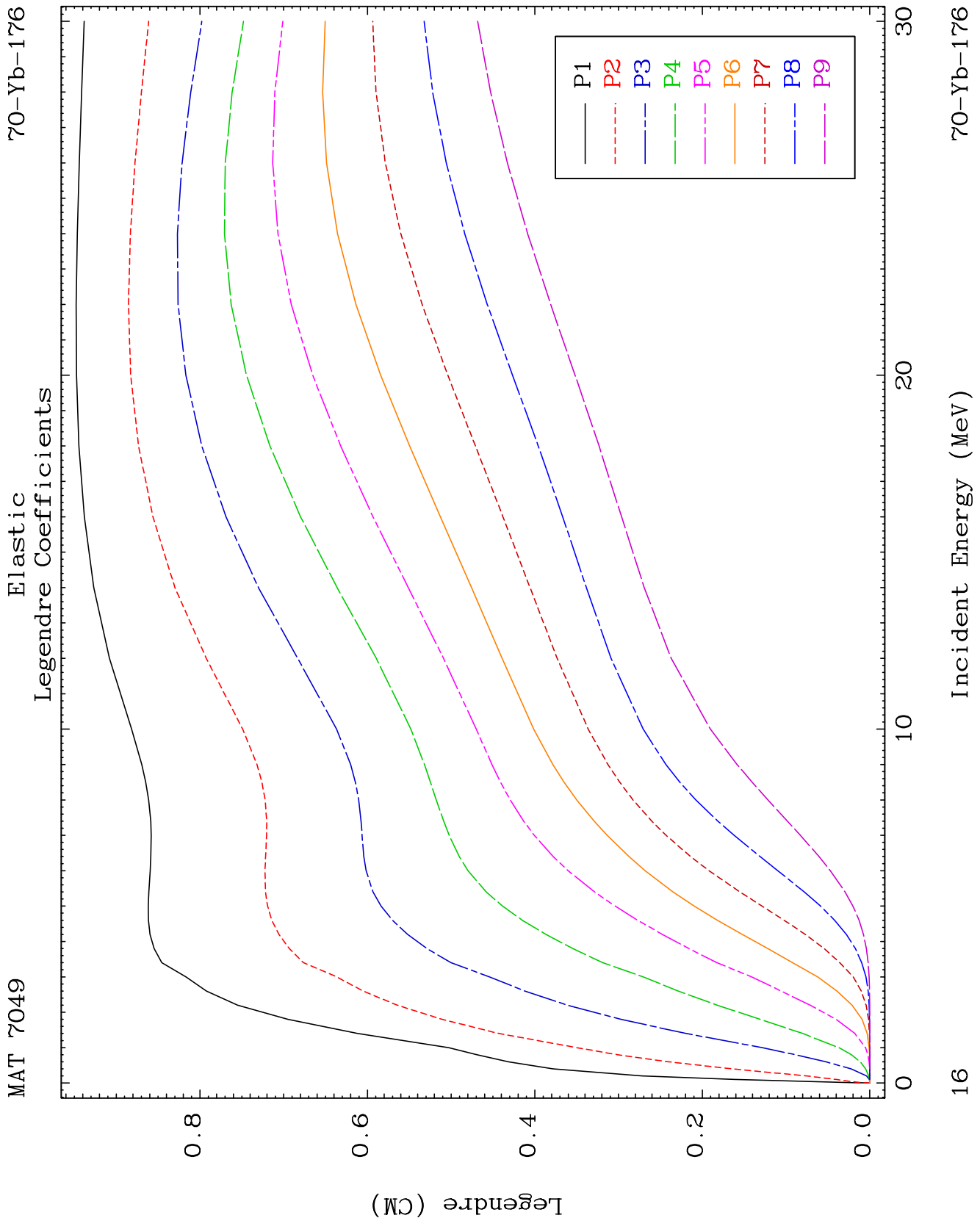
Incident Energy (MeV)

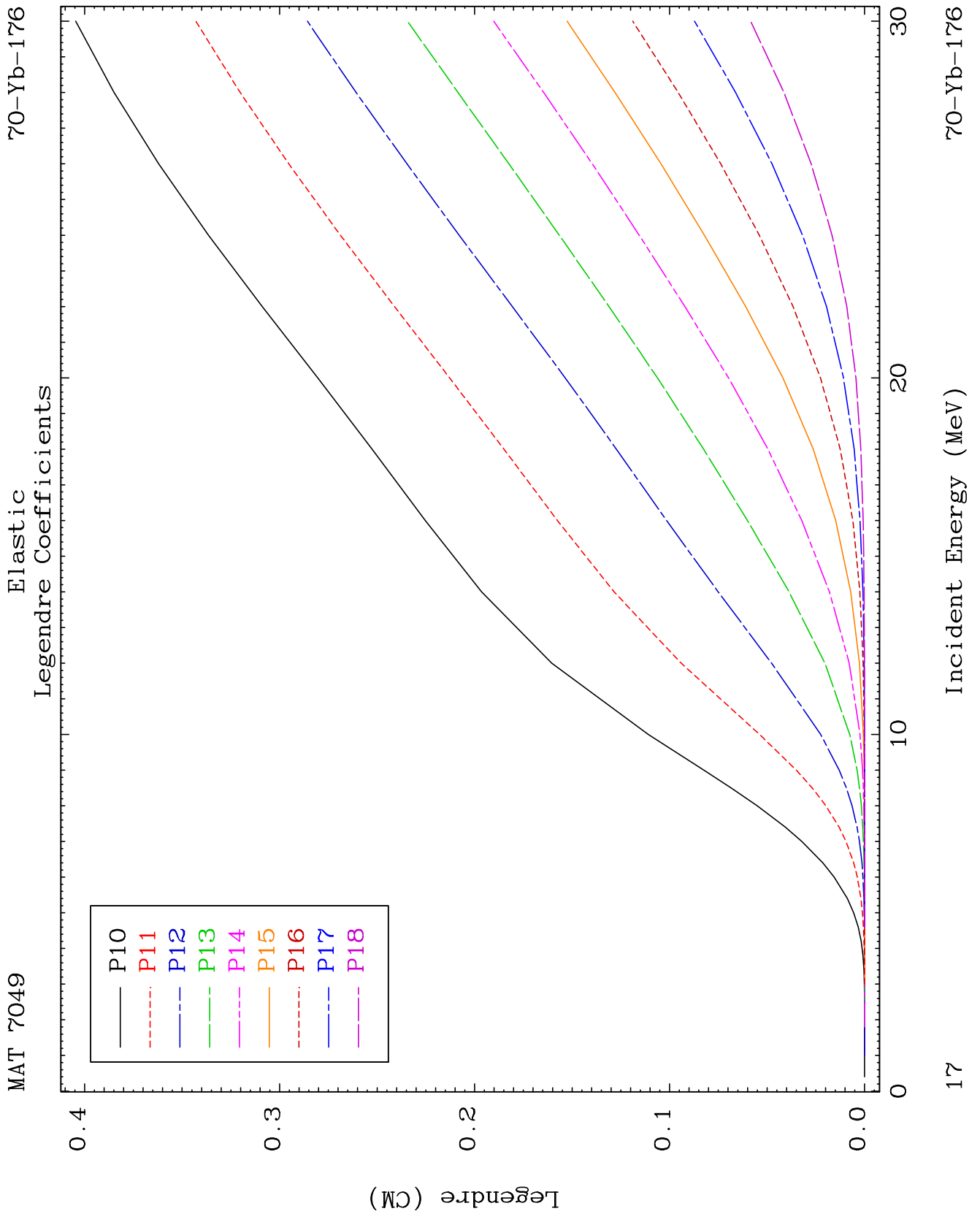
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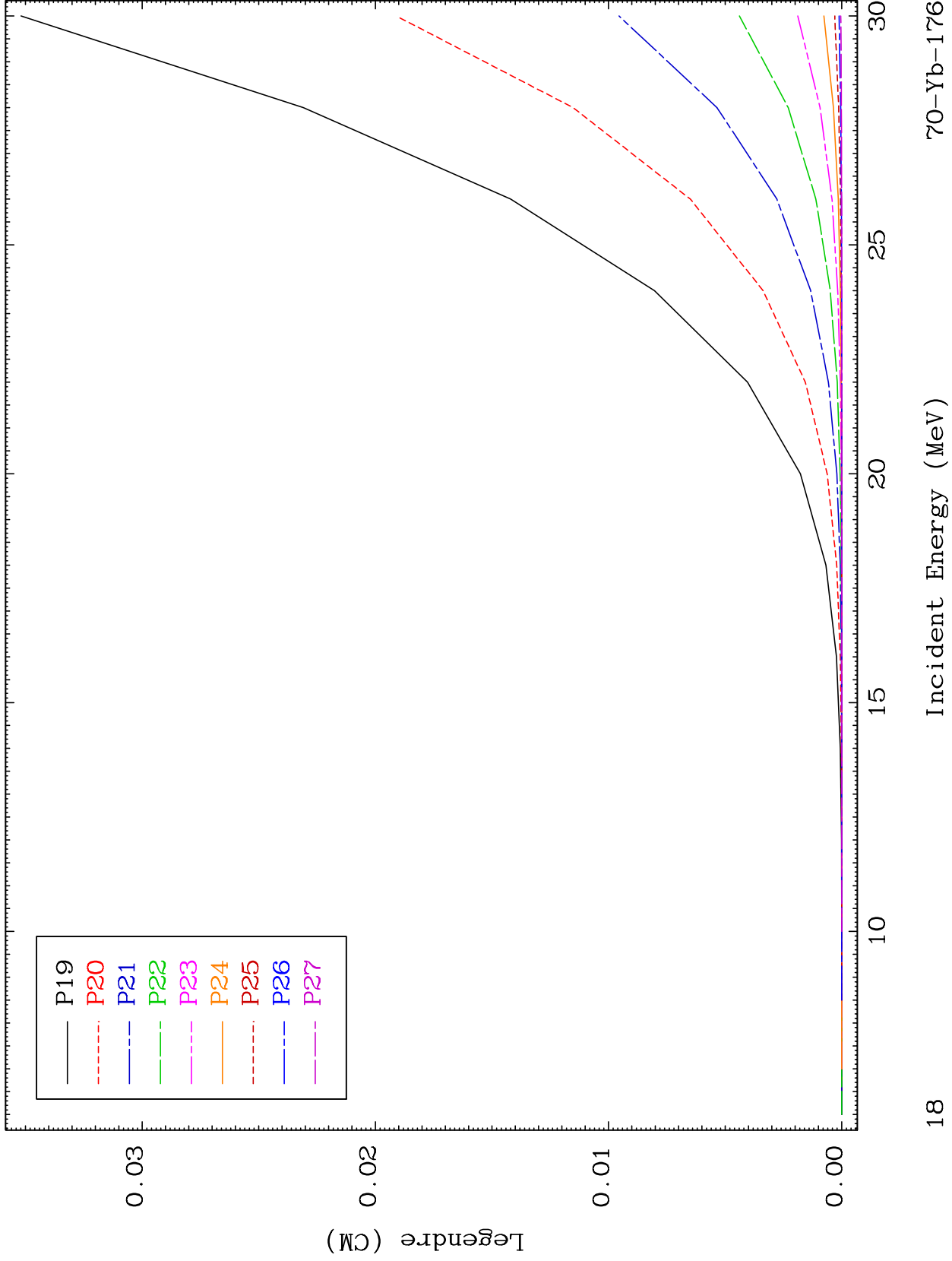




MAT 7049

### Elastic Legendre Coefficients

70-Yb-176



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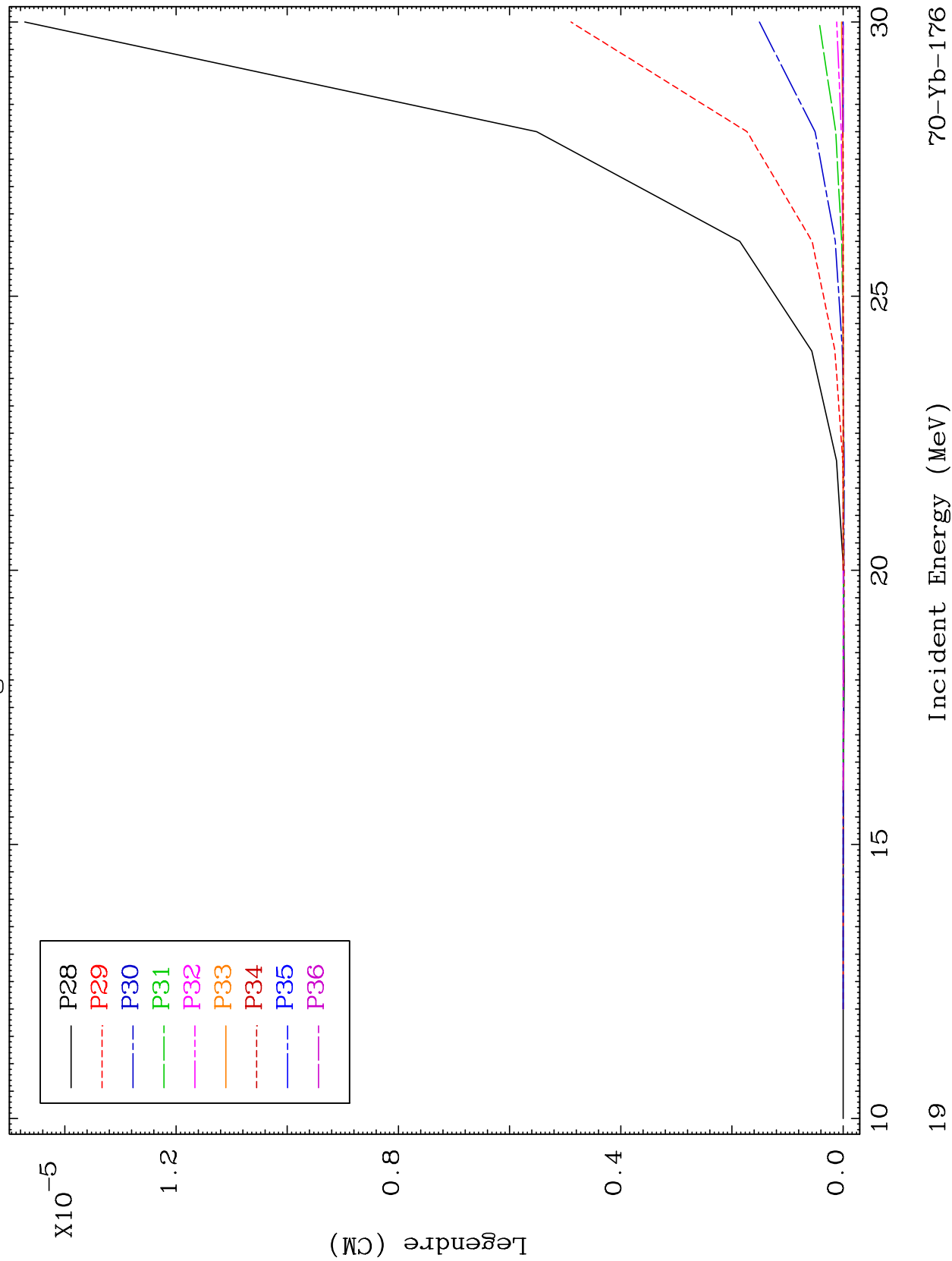
Incident Energy (MeV)

70-Yb-176

MAT 7049

Elastic Legendre Coefficients

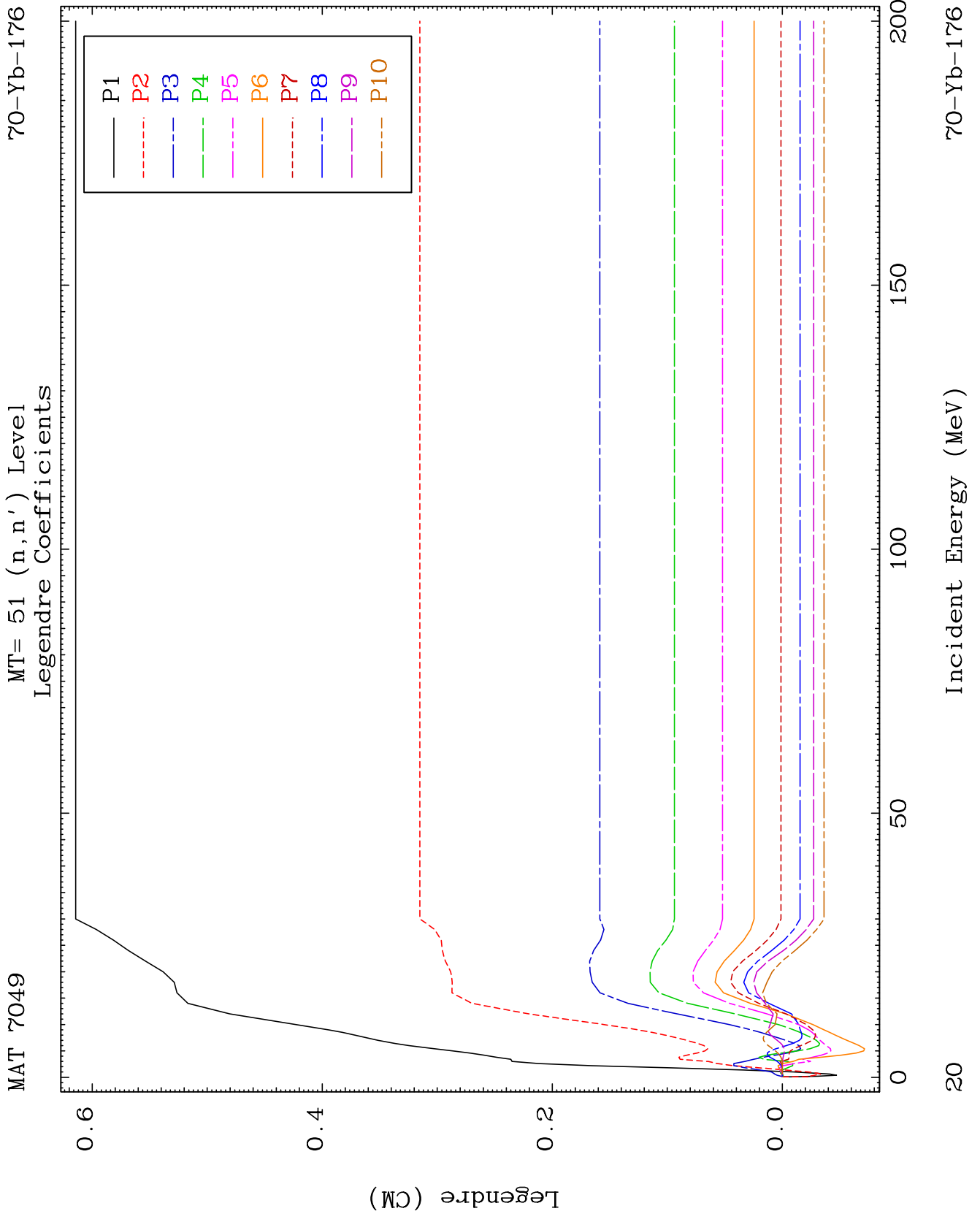
70-Yb-176



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Incident Energy (MeV)

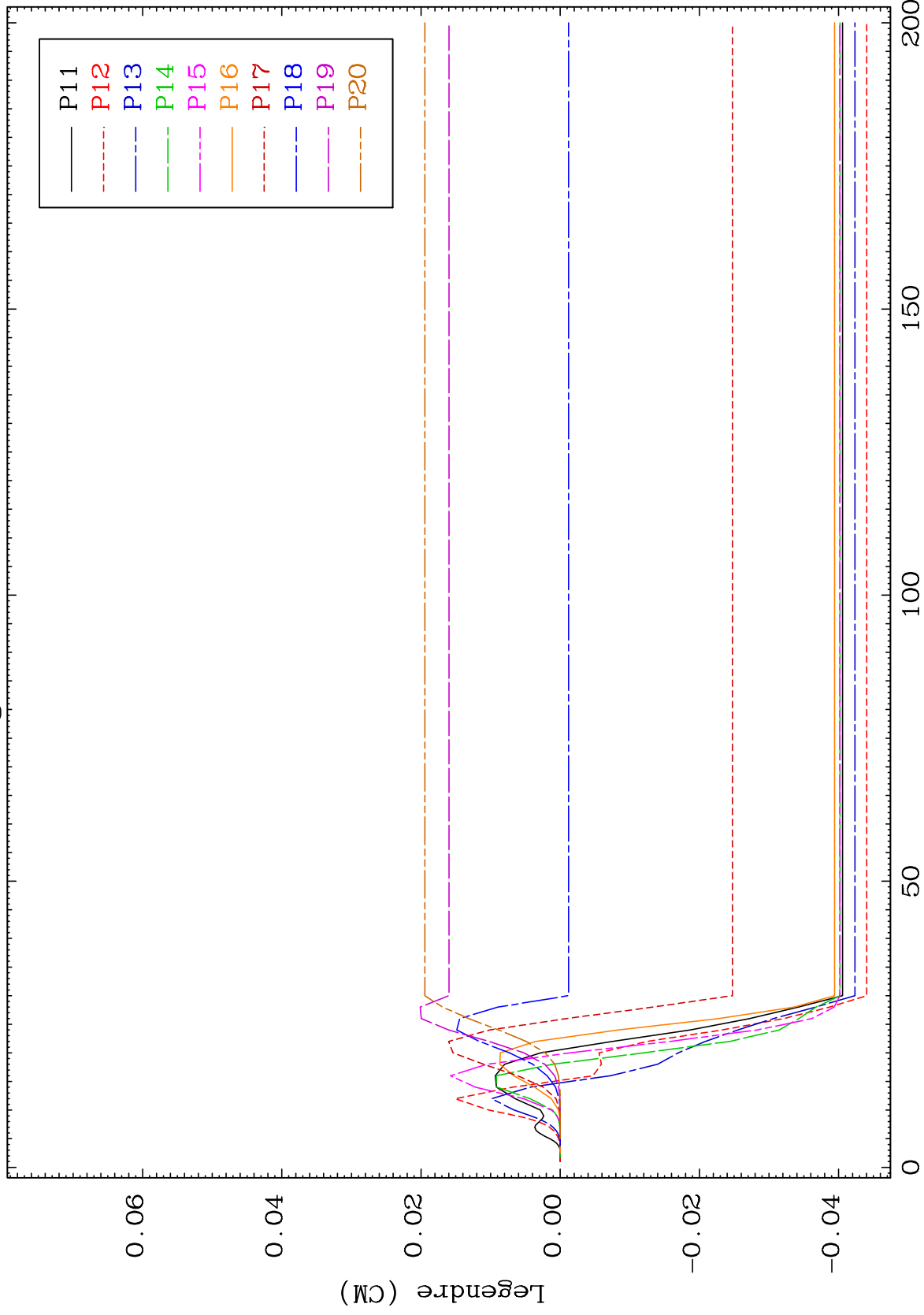
70-Yb-176



MAT 7049

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

70-Yb-176



21

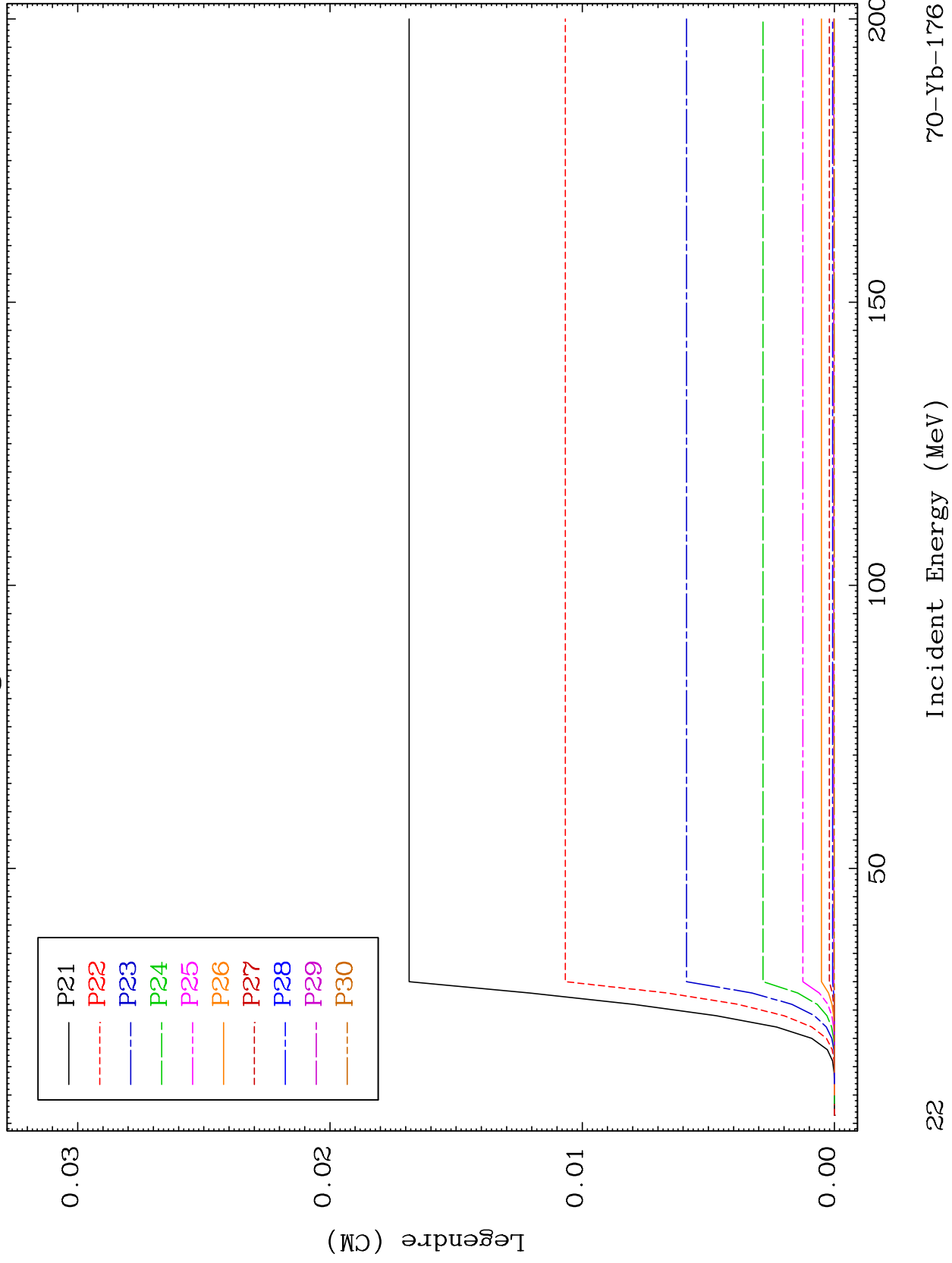
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



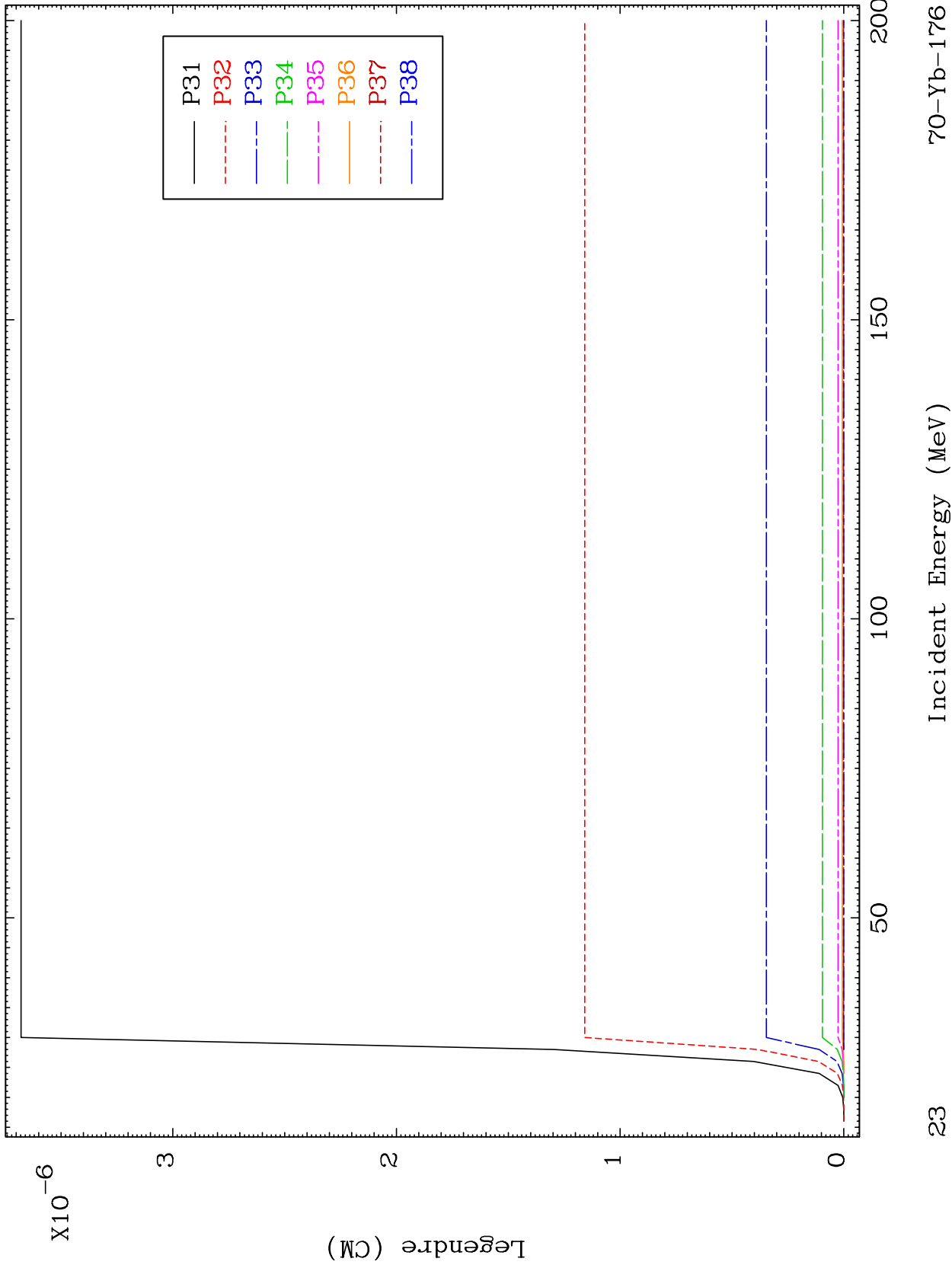
22

70-Yb-176

MAT 7049

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

70-Yb-176



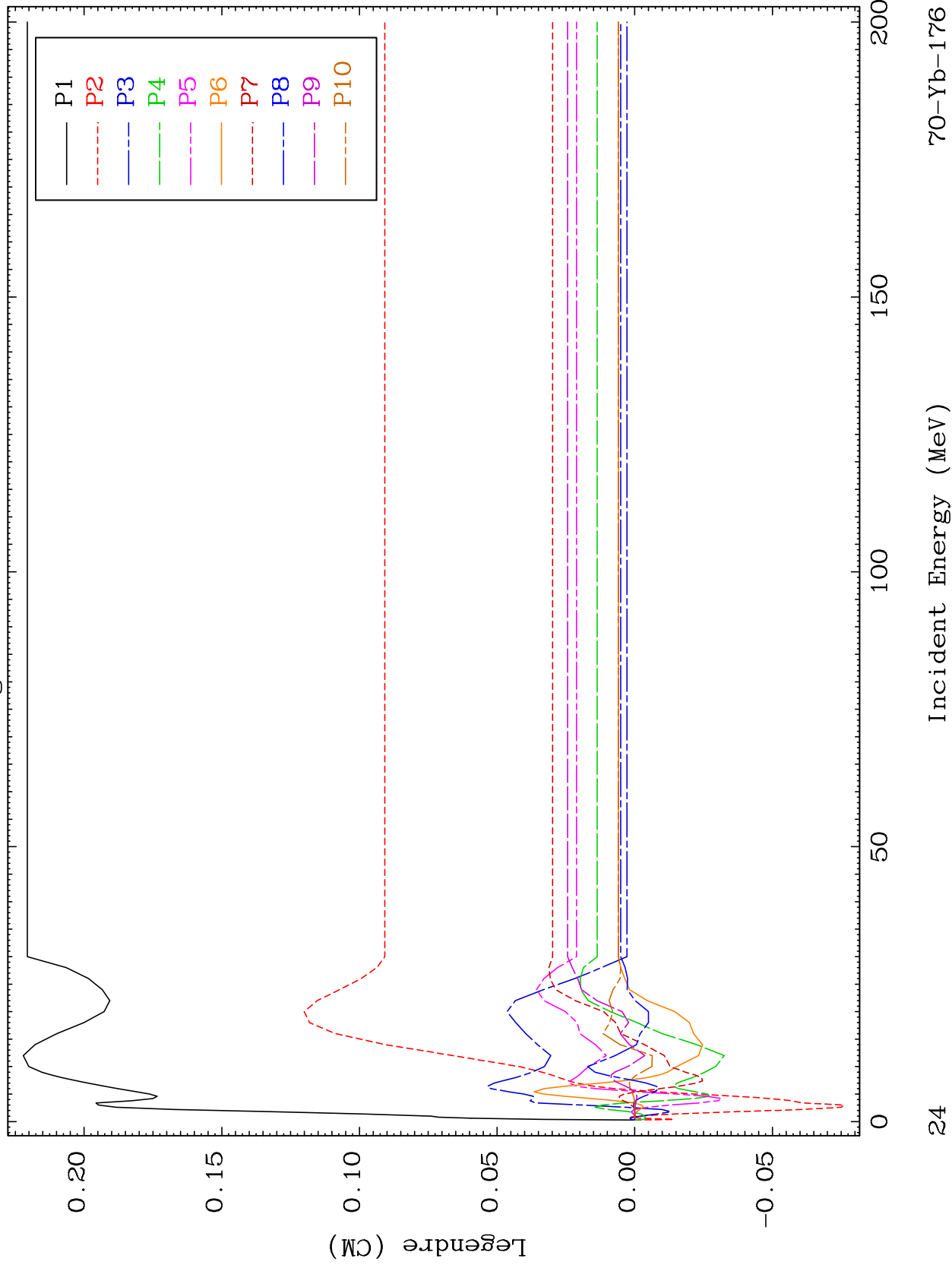
23



MAT 7049

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

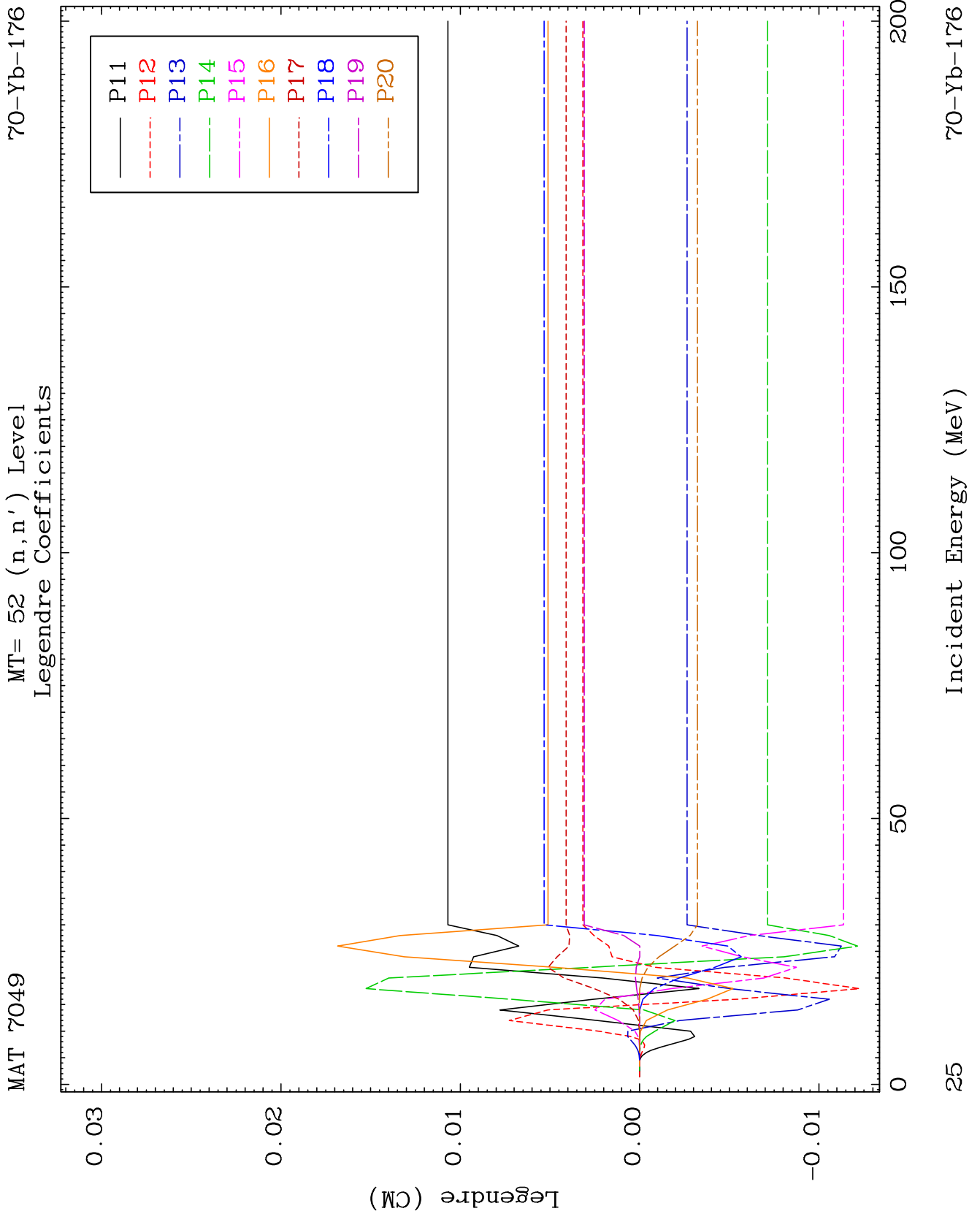
70-Yb-176

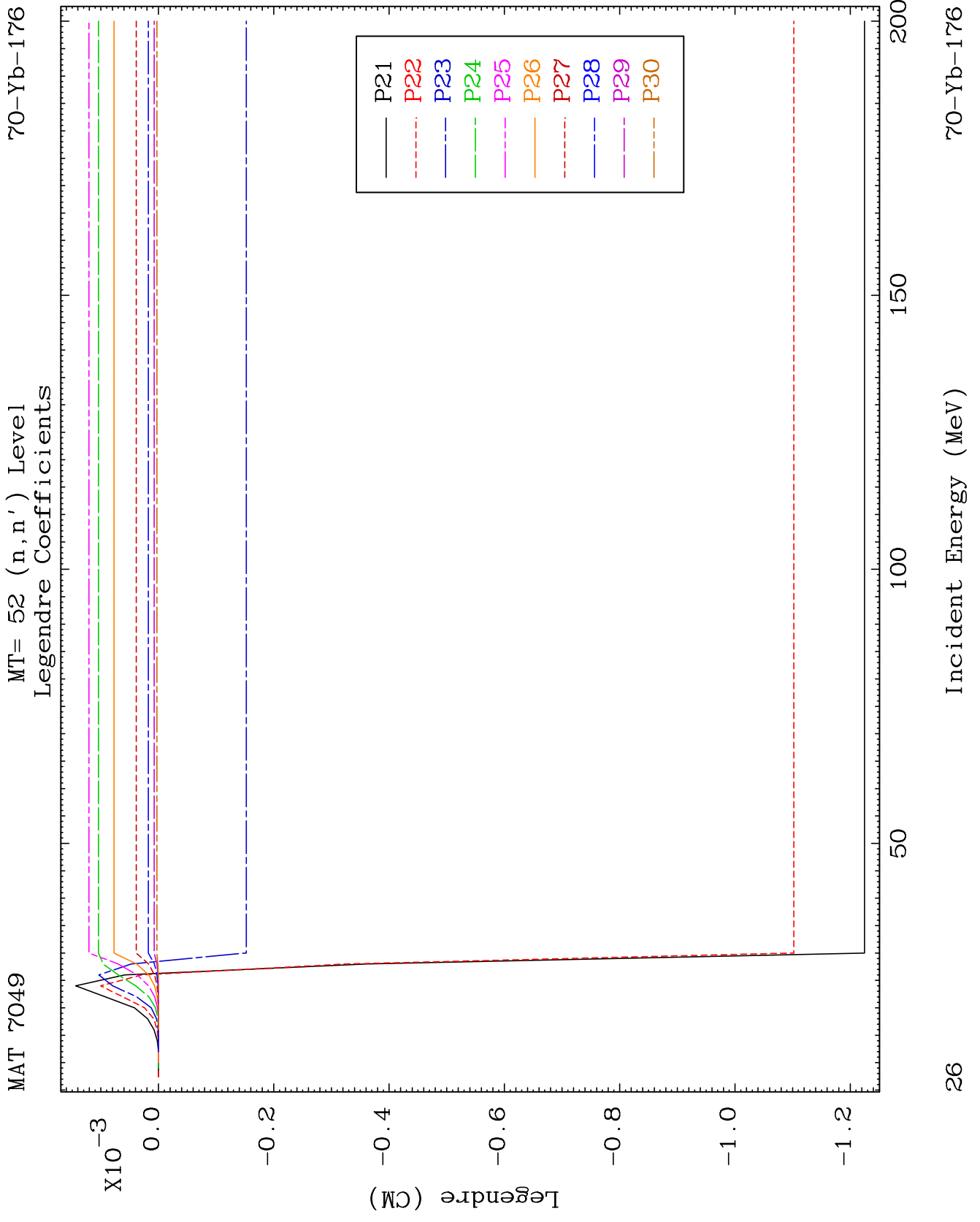


24

Incident Energy (MeV)

70-Yb-176

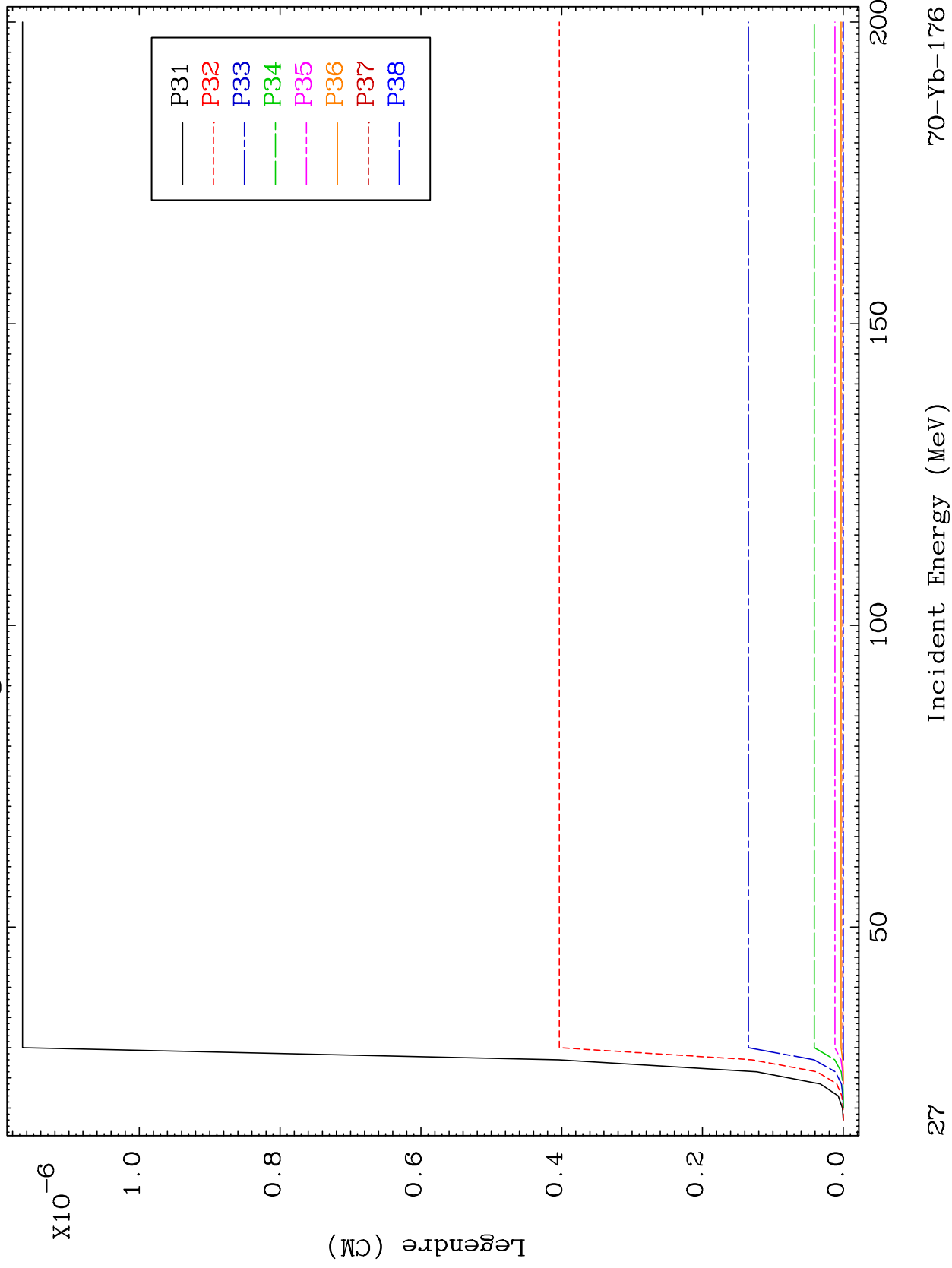




MAT 7049

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

70-Yb-176



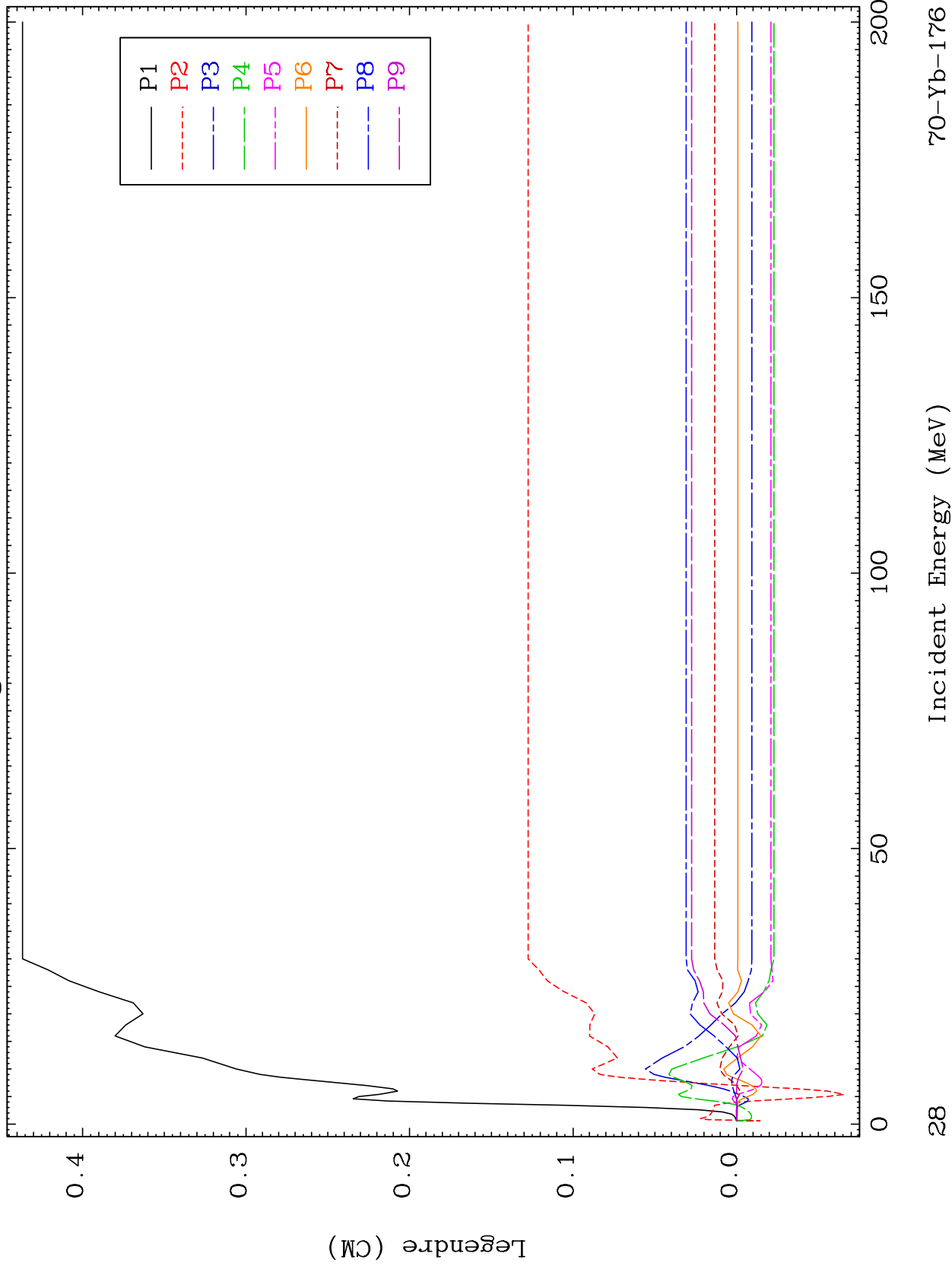
27

70-Yb-176

MAT 7049

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

70-Yb-176



70-Yb-176

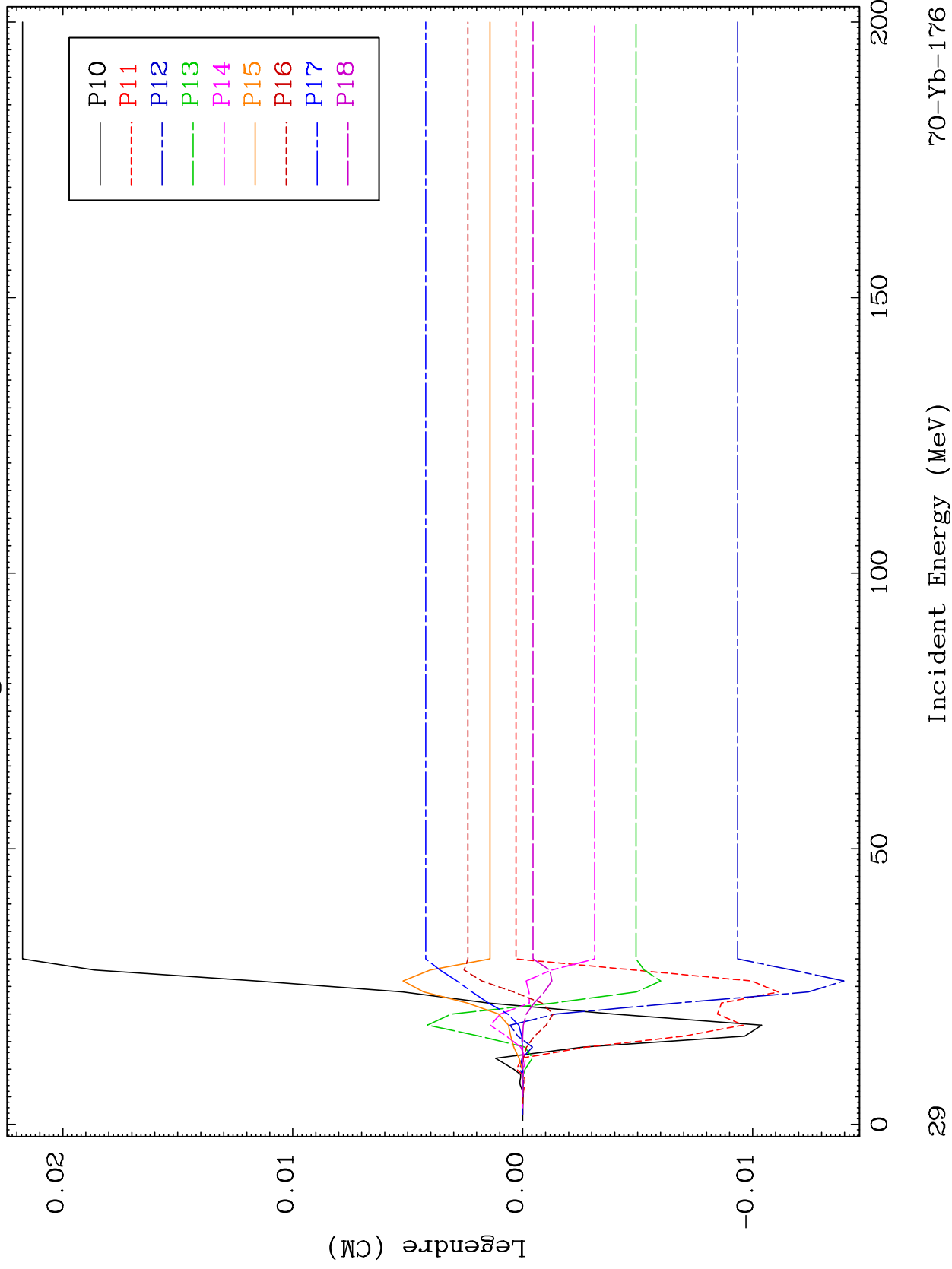
Incident Energy (MeV)

28

MAT 7049

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

70-Yb-176



29

Incident Energy (MeV)

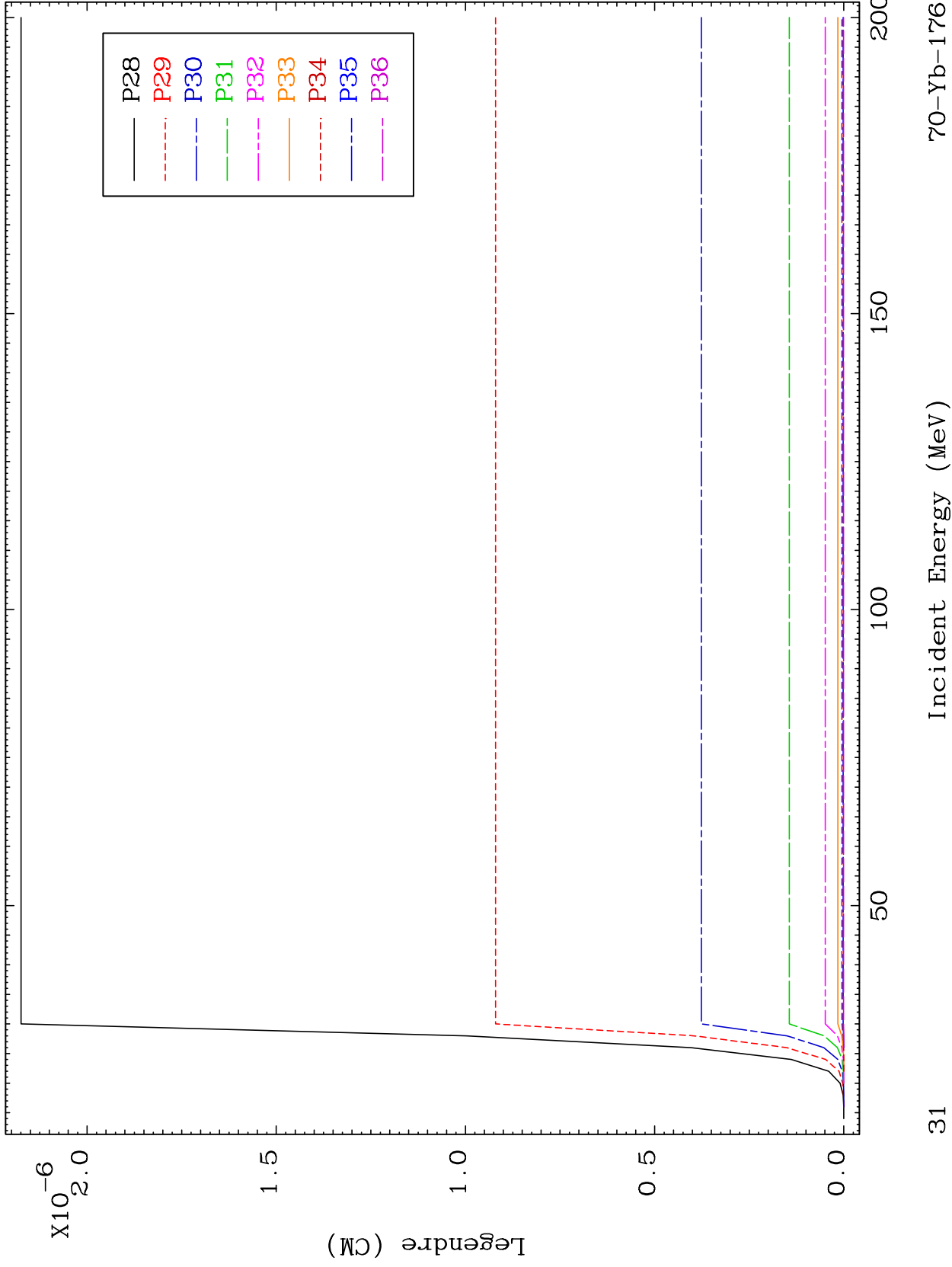
70-Yb-176



MAT 7049

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

70-Yb-176

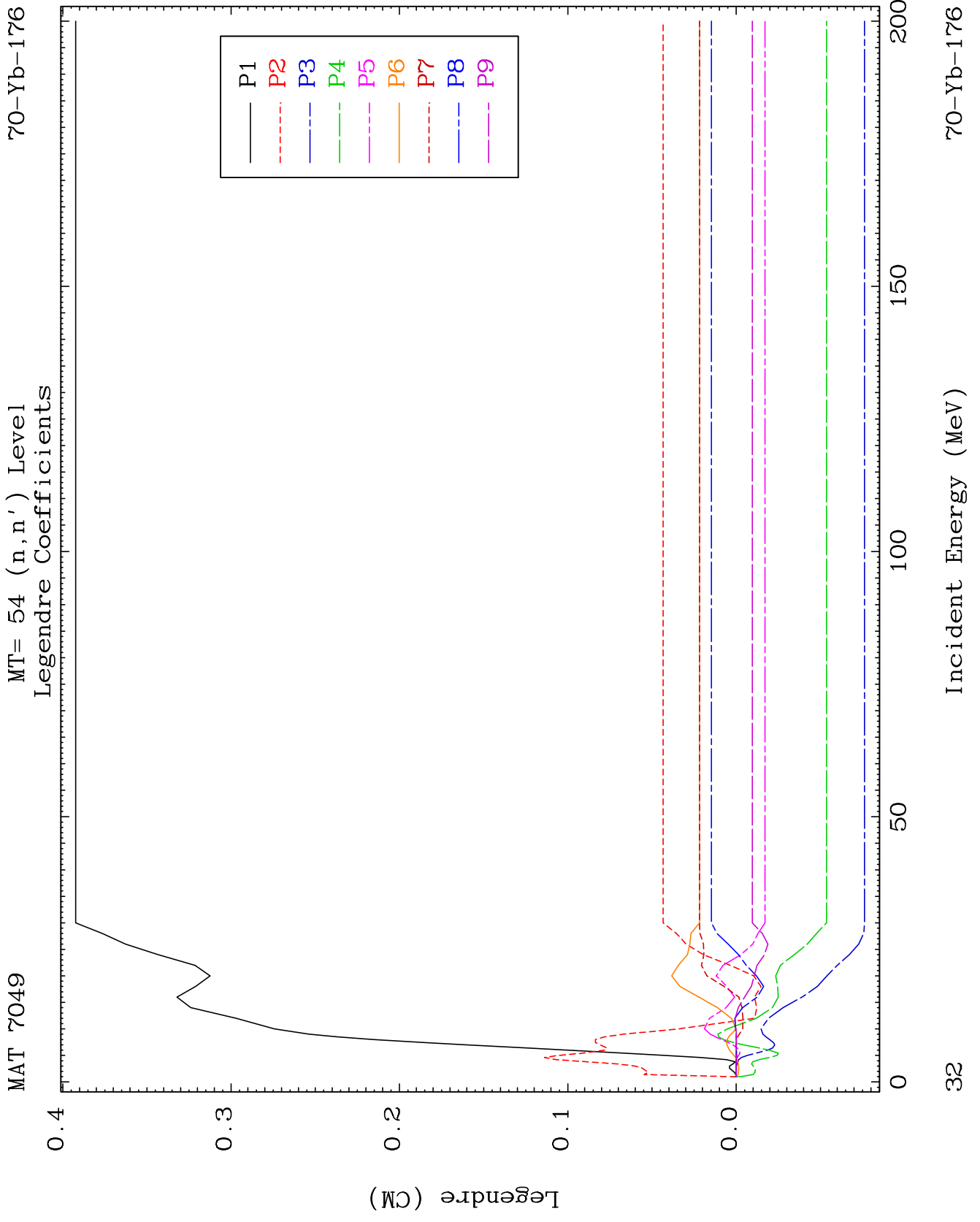


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Incident Energy (MeV)

70-Yb-176

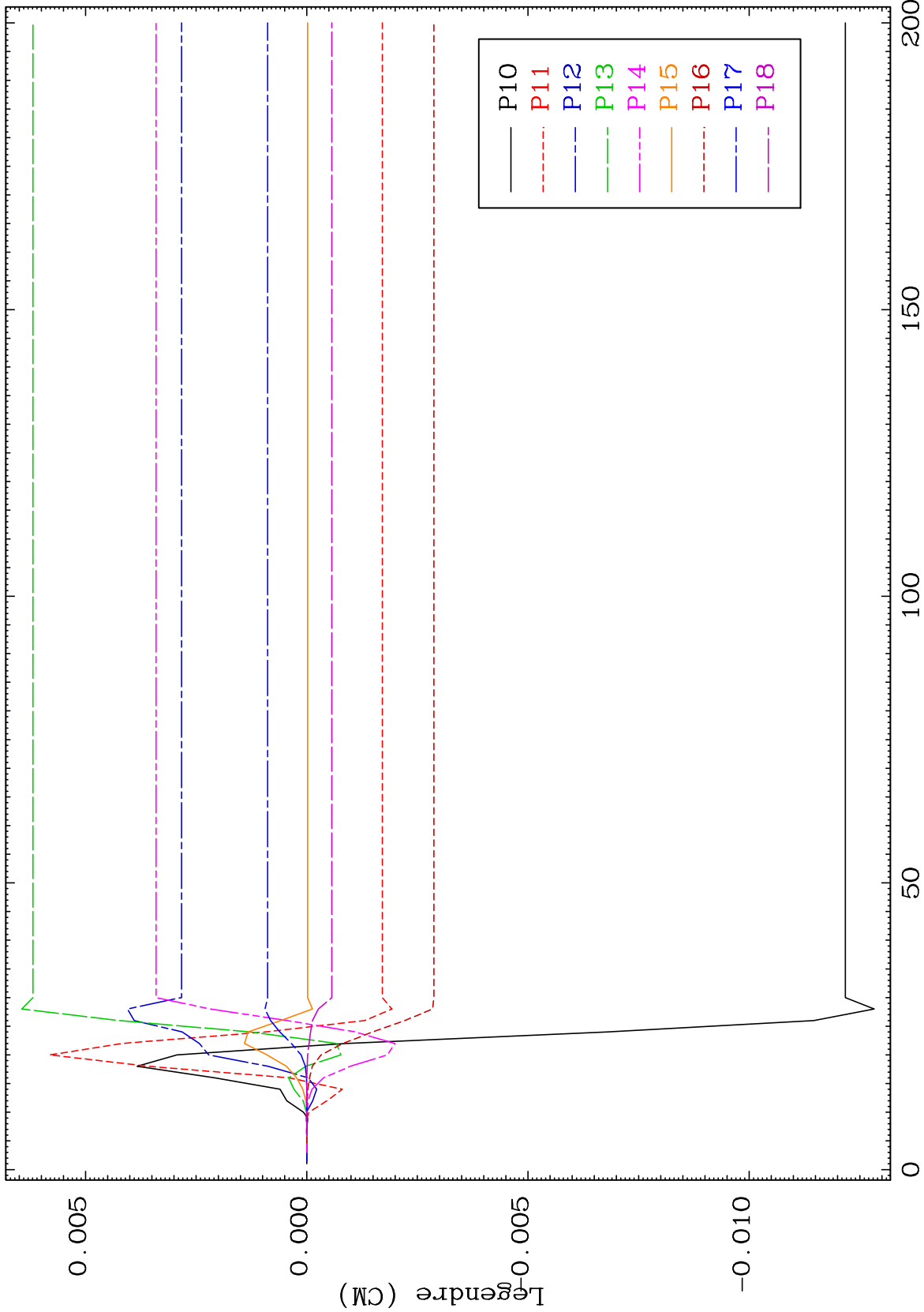




MAT 7049

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

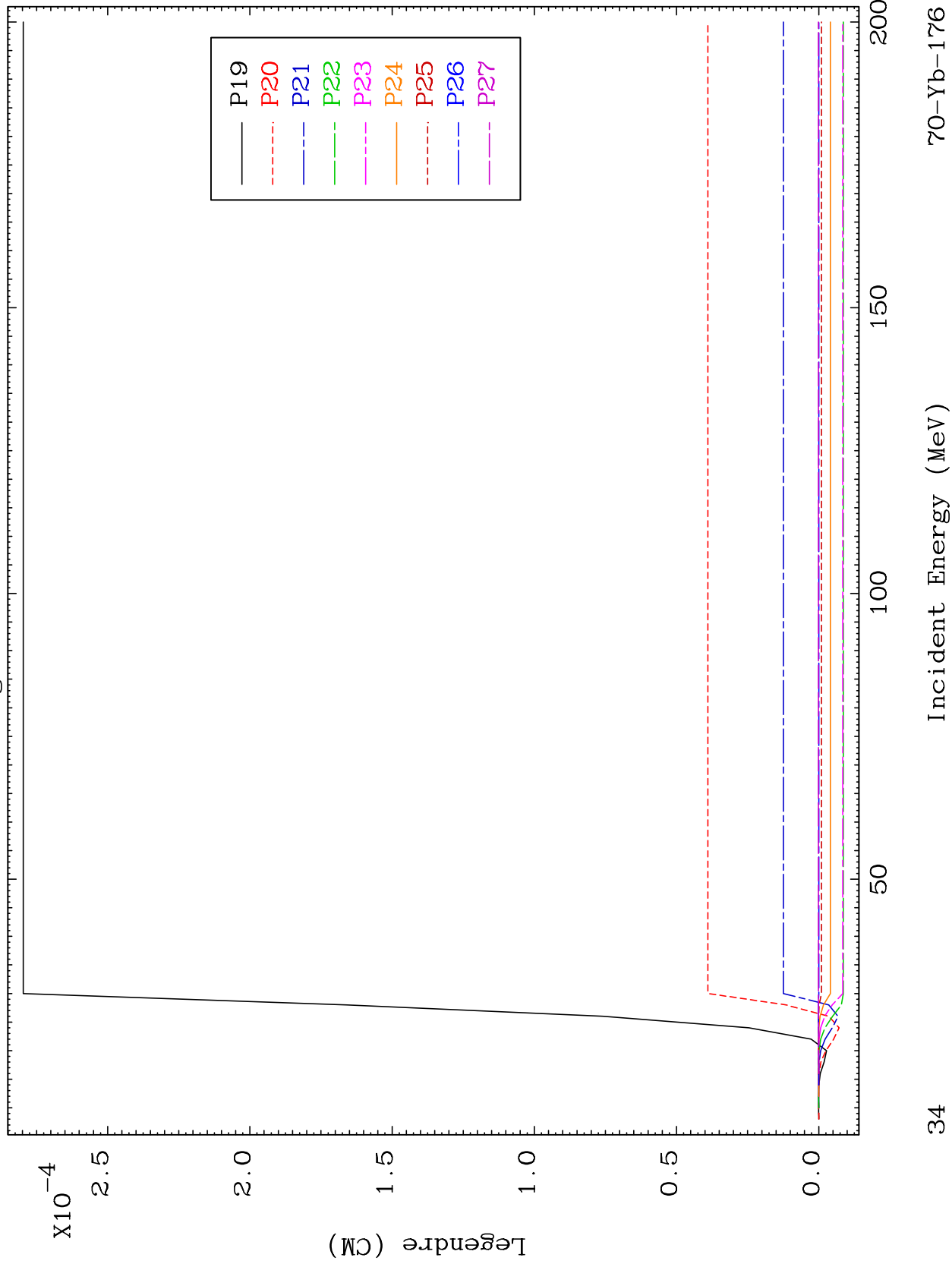
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MAT 7049

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

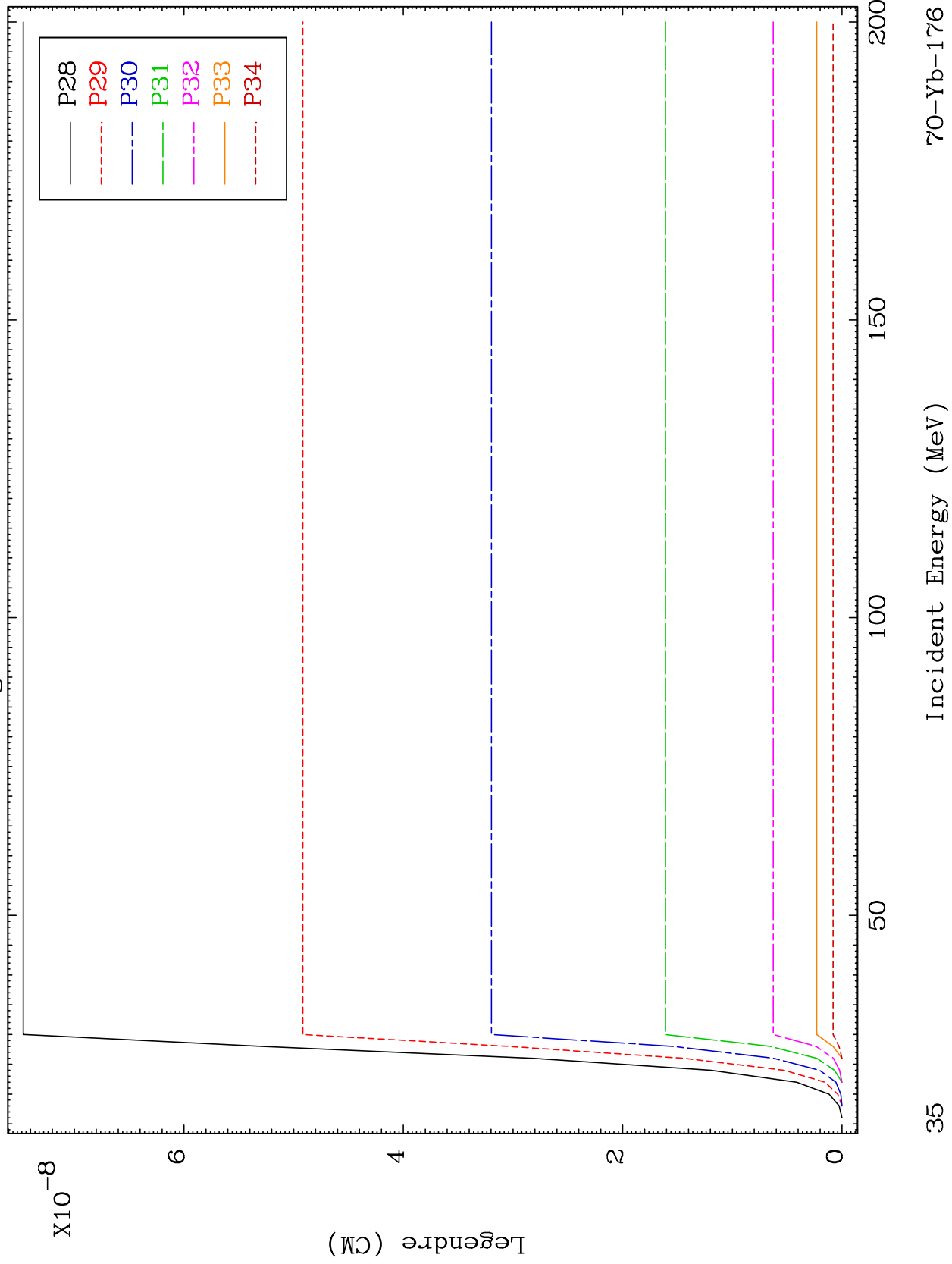
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MAT 7049

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

70-Yb-176



35

50

100

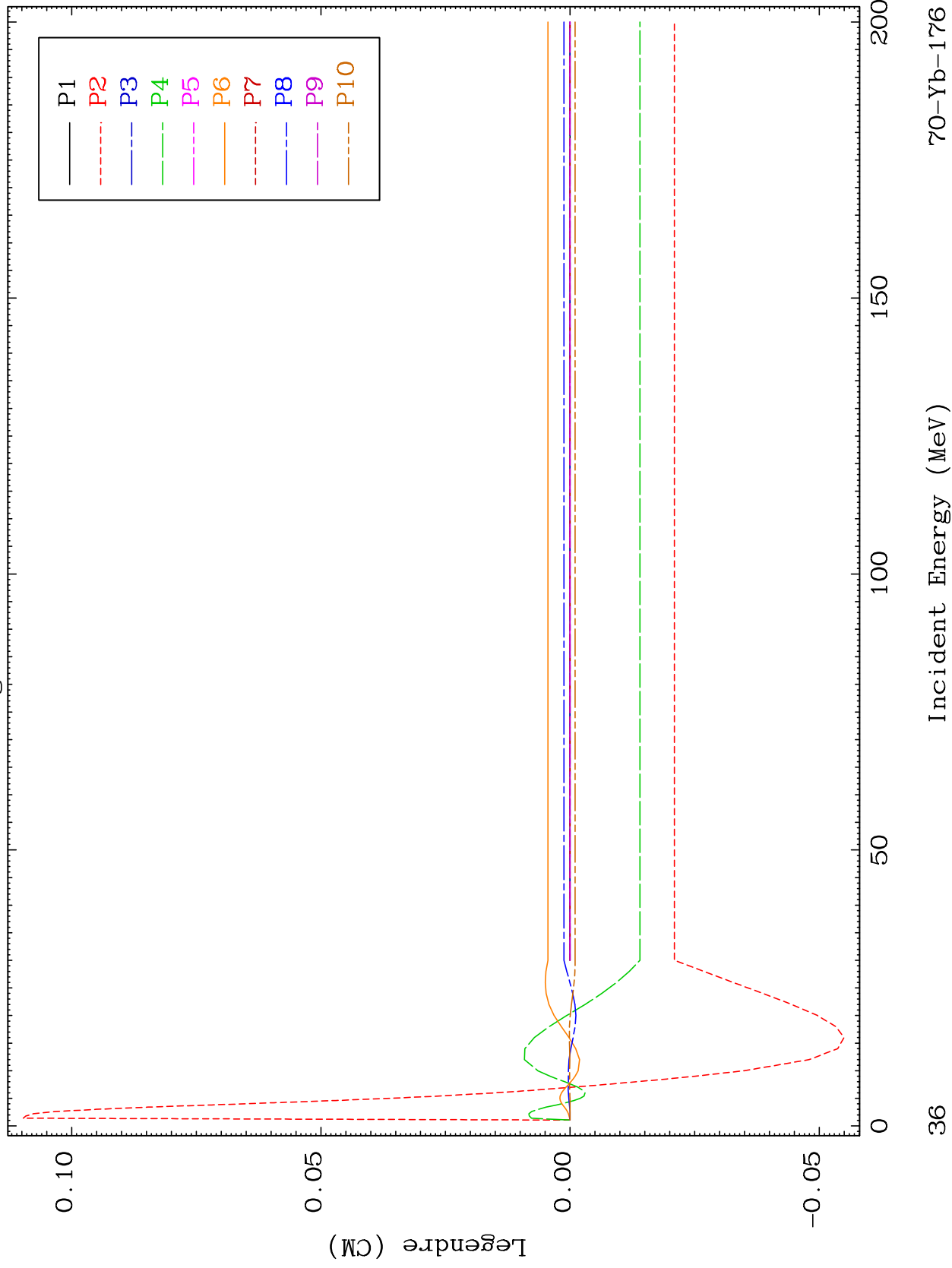
150

200

MAT 7049

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

70-Yb-176



70-Yb-176

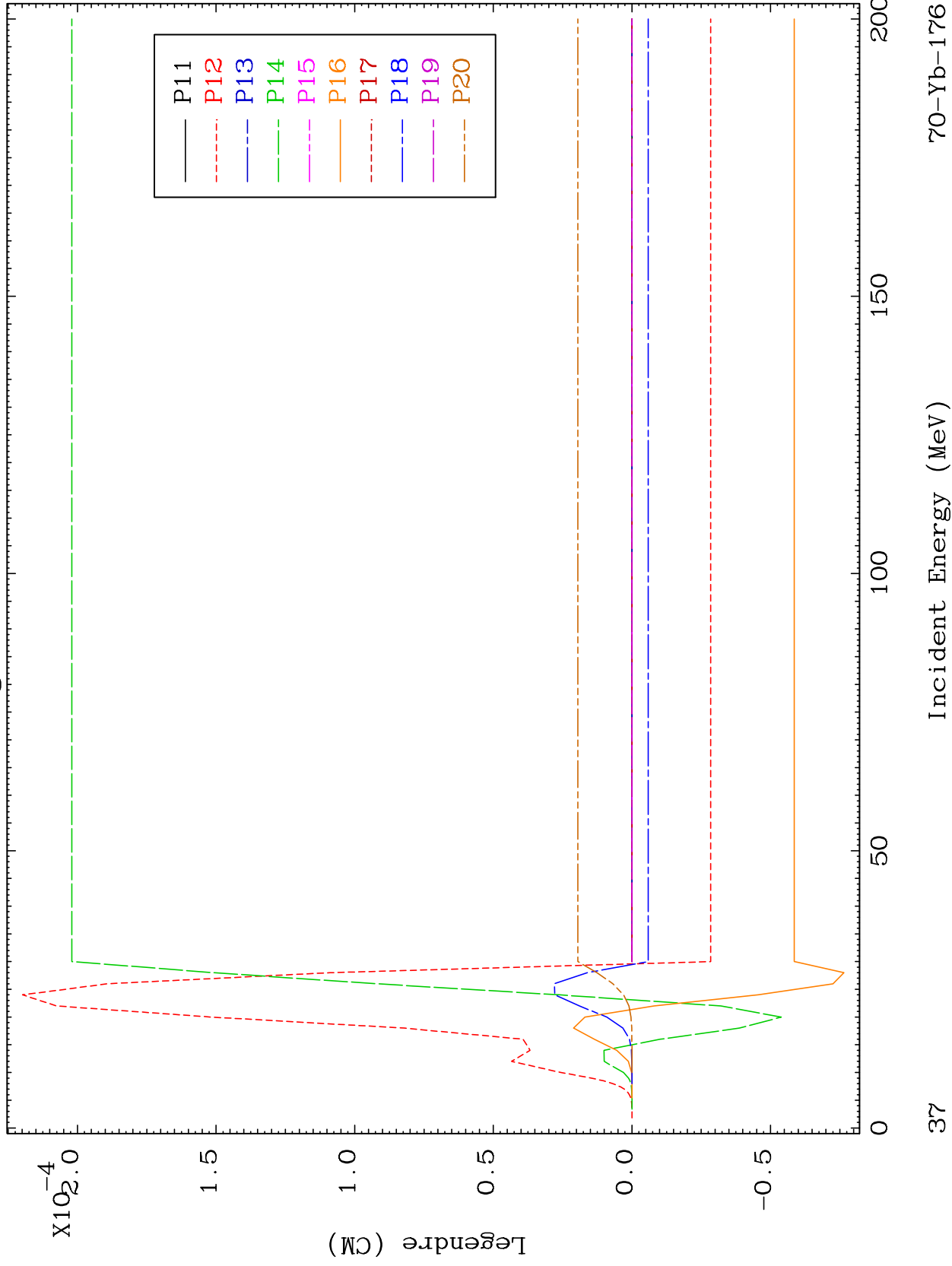
Incident Energy (MeV)

36

MAT 7049

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

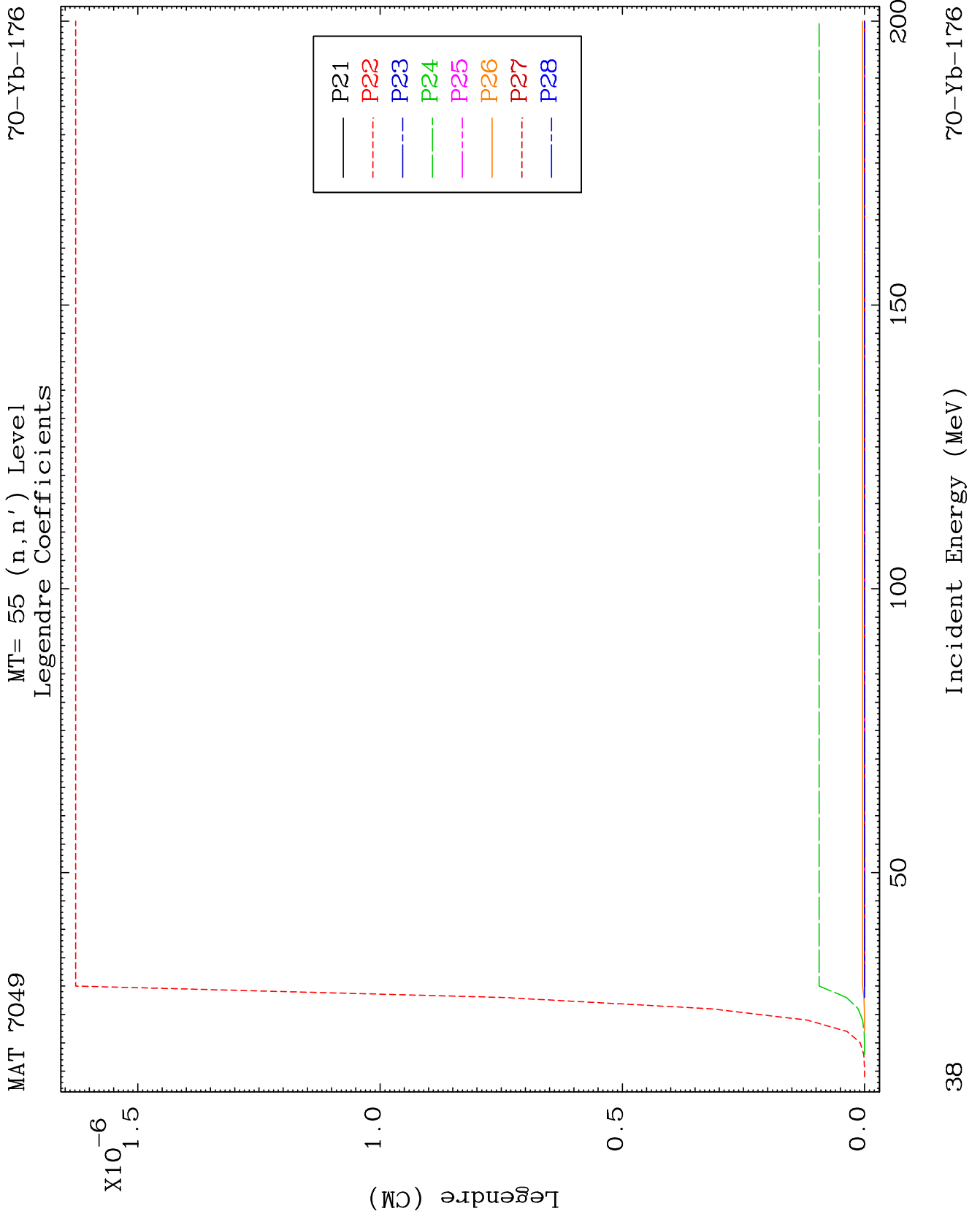
70-Yb-176



37

Incident Energy (MeV)

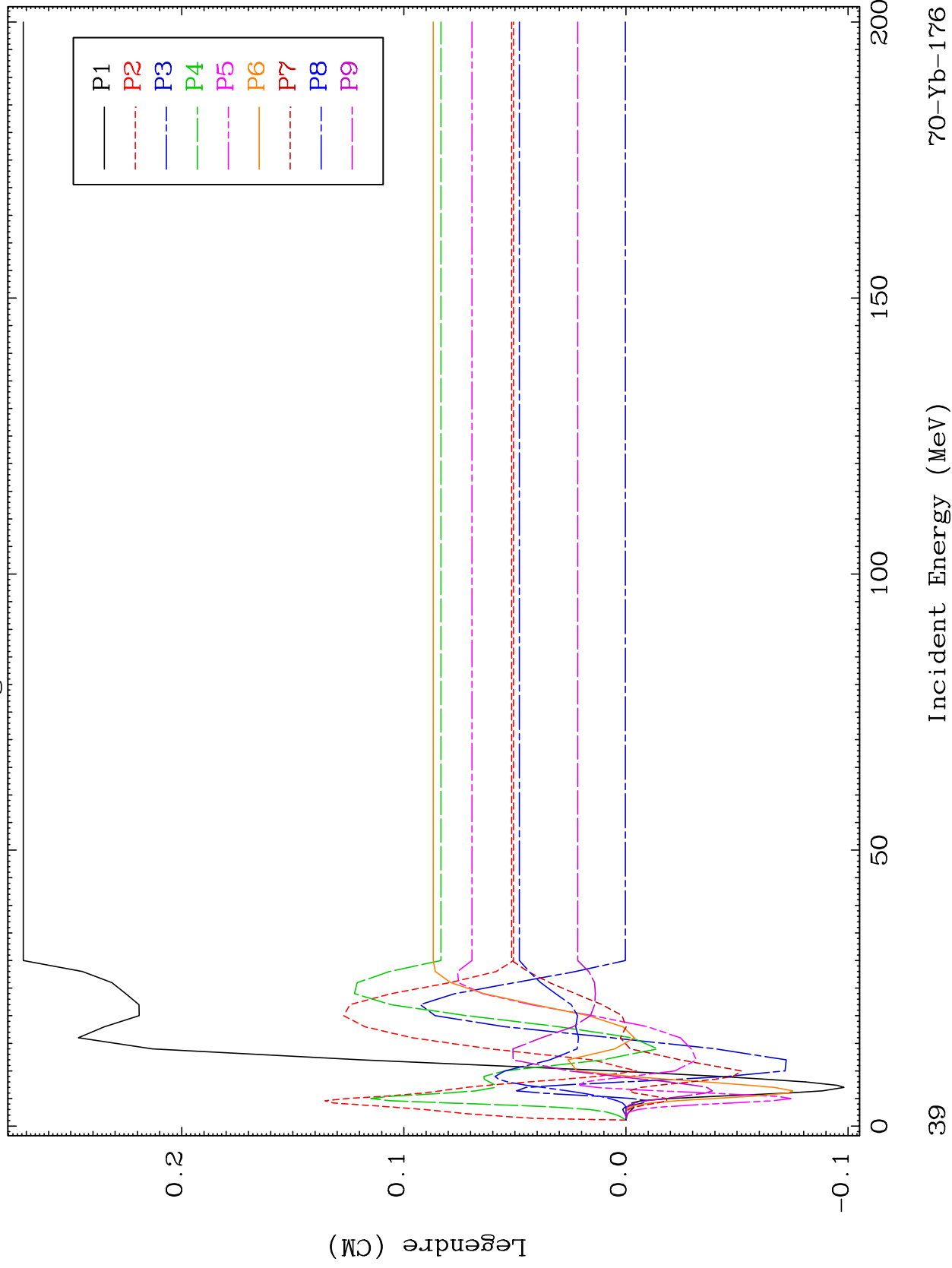
70-Yb-176



MAT 7049

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

70-Yb-176



70-Yb-176

Incident Energy (MeV)

39

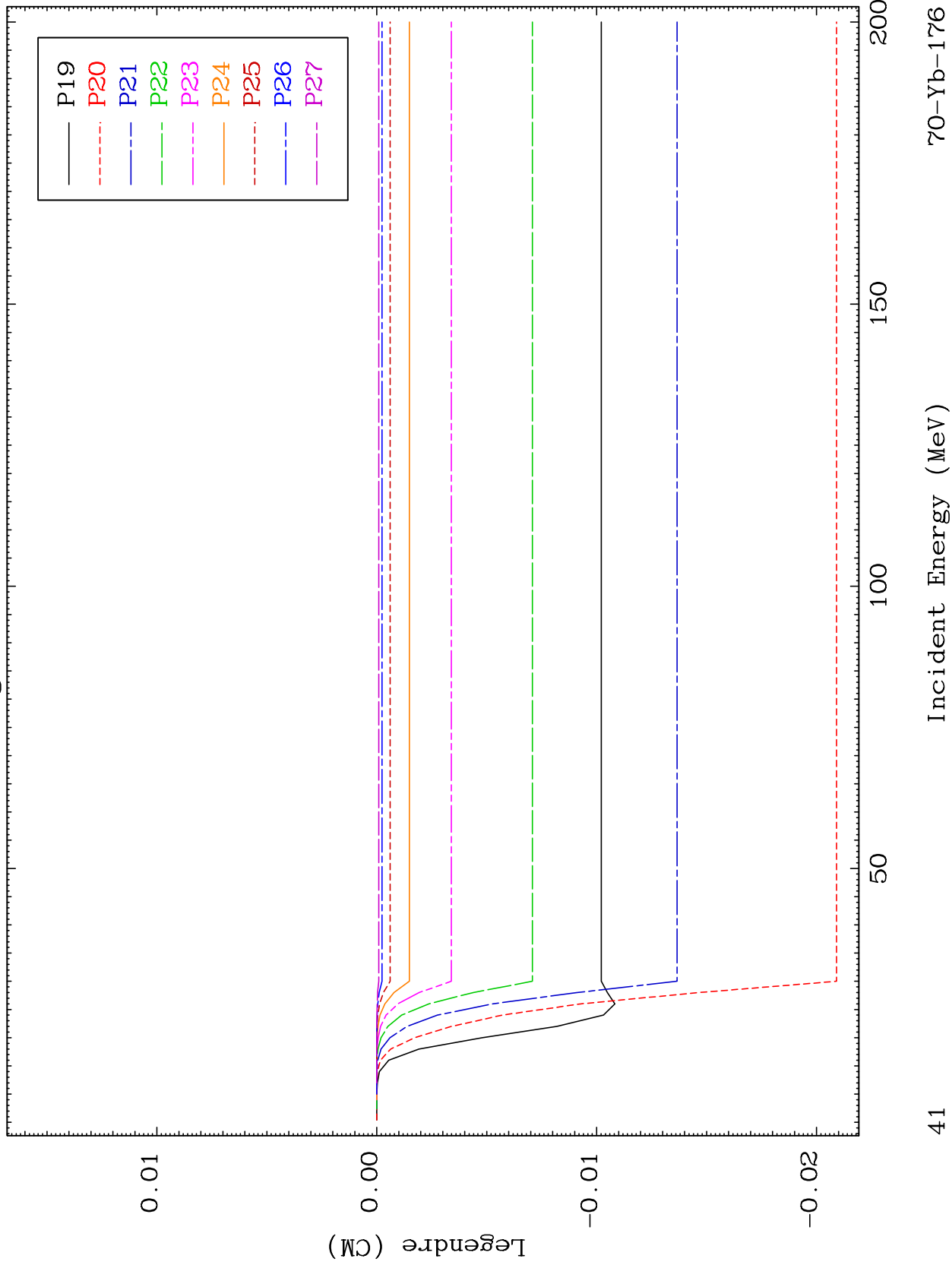




MAT 7049

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

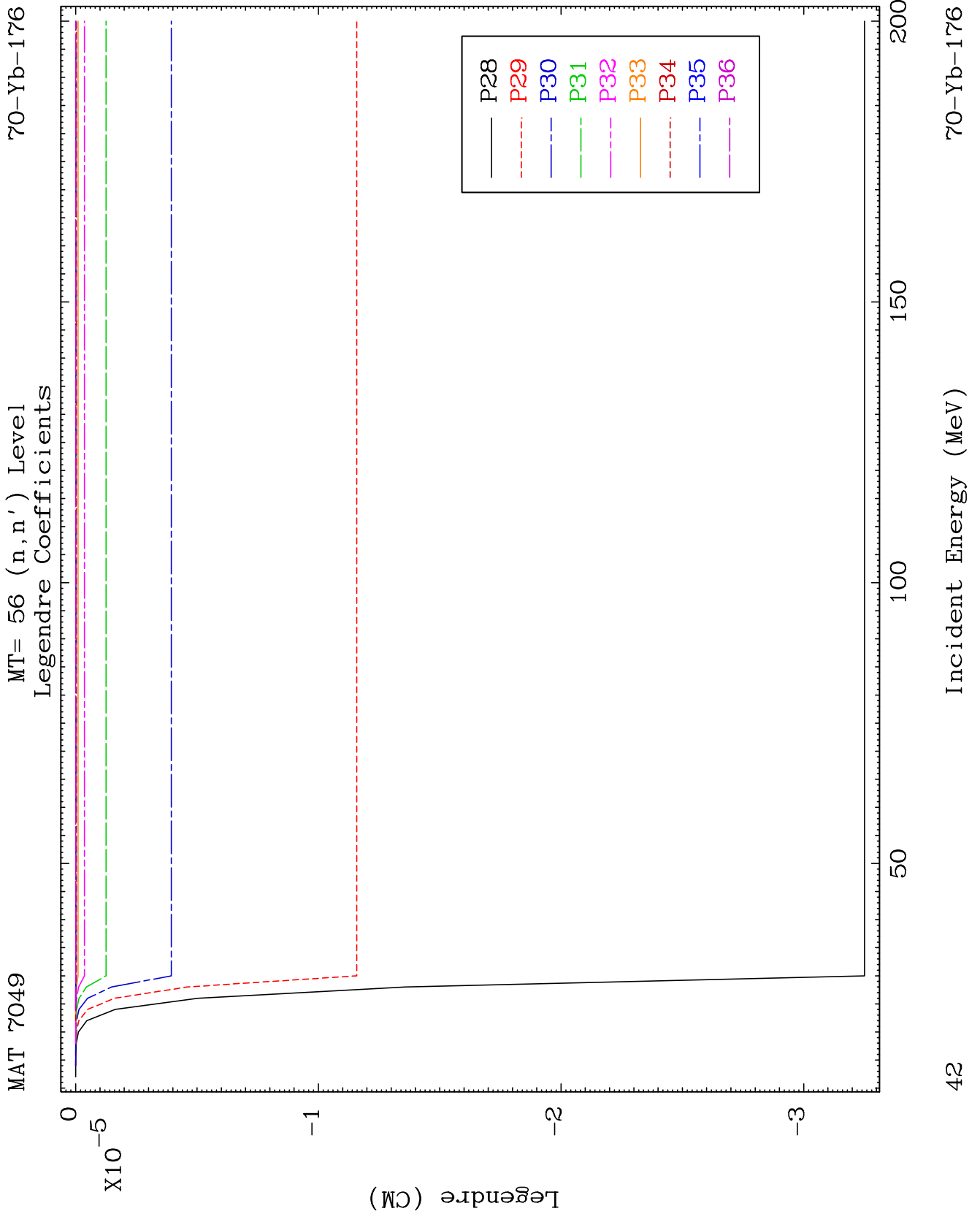
70-Yb-176



41

Incident Energy (MeV)

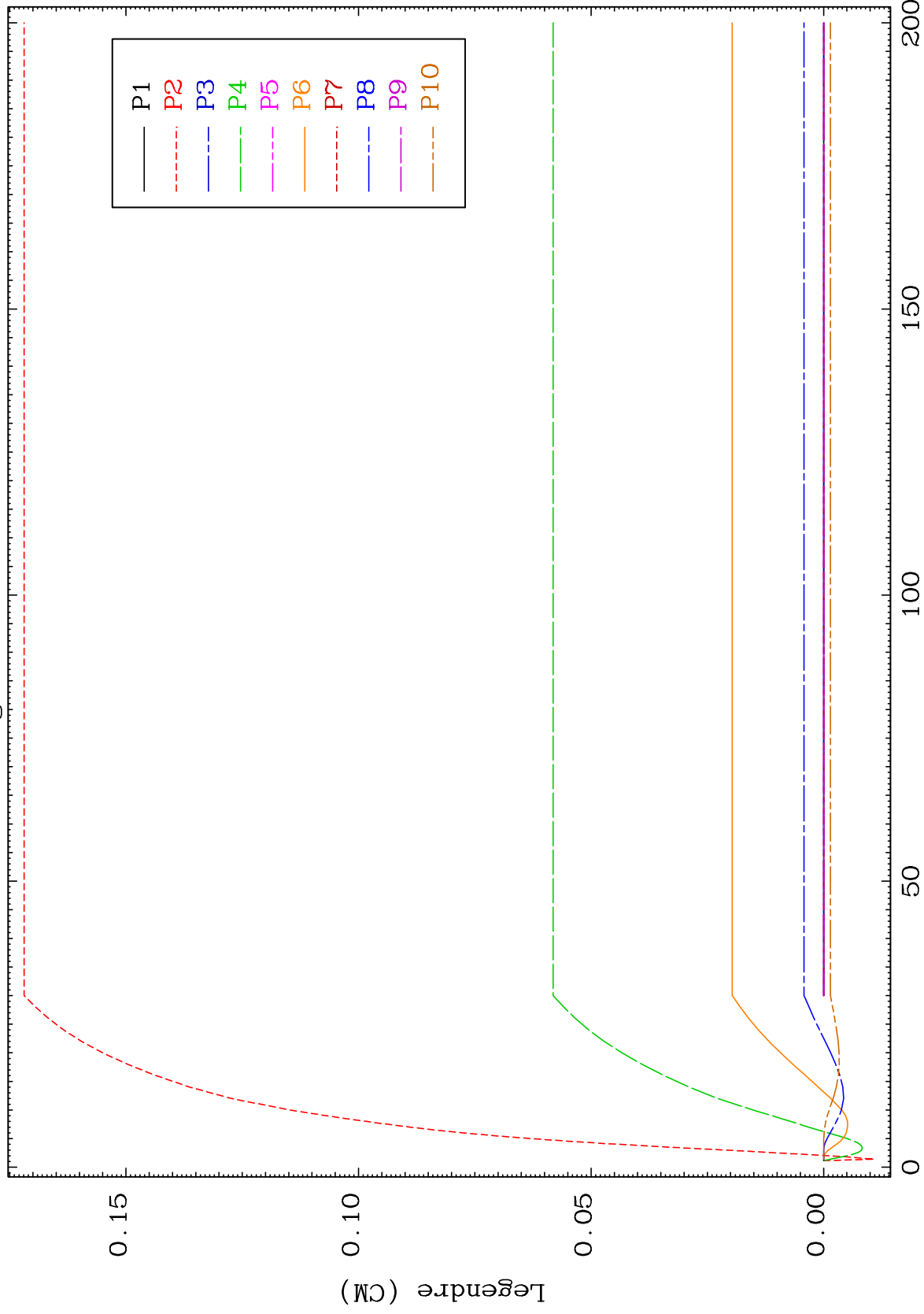
70-Yb-176



MAT 7049

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

70-Yb-176



43

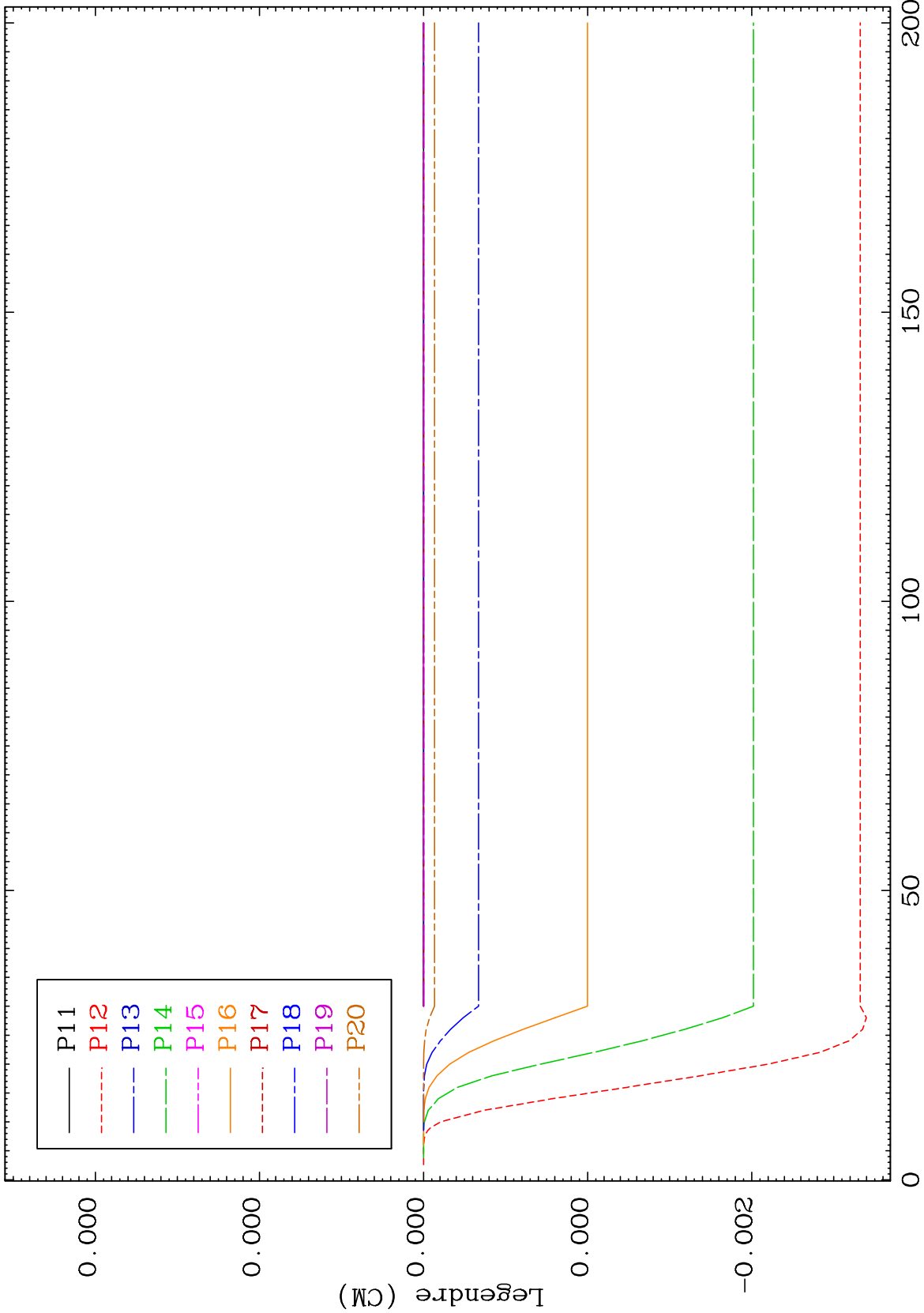
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

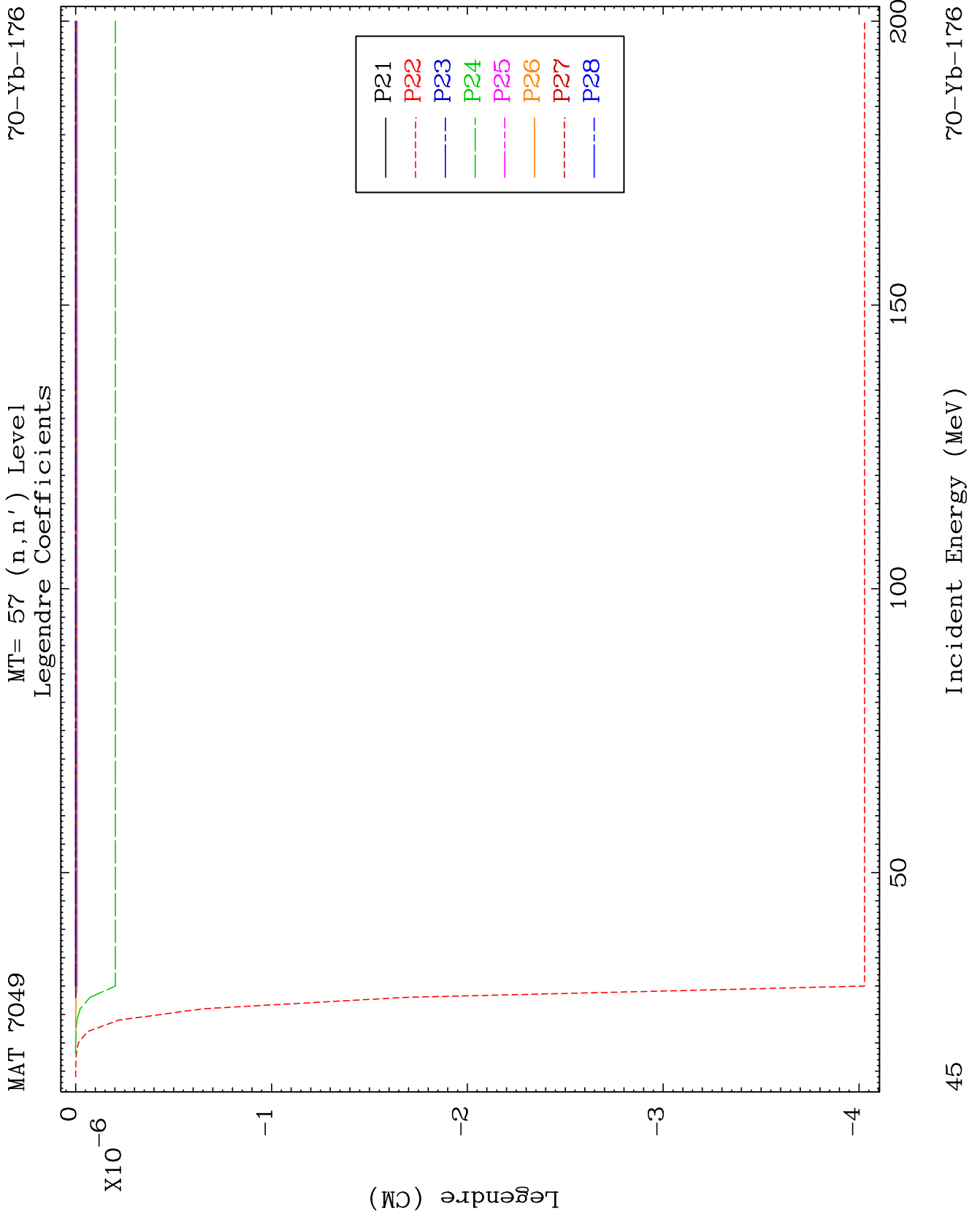
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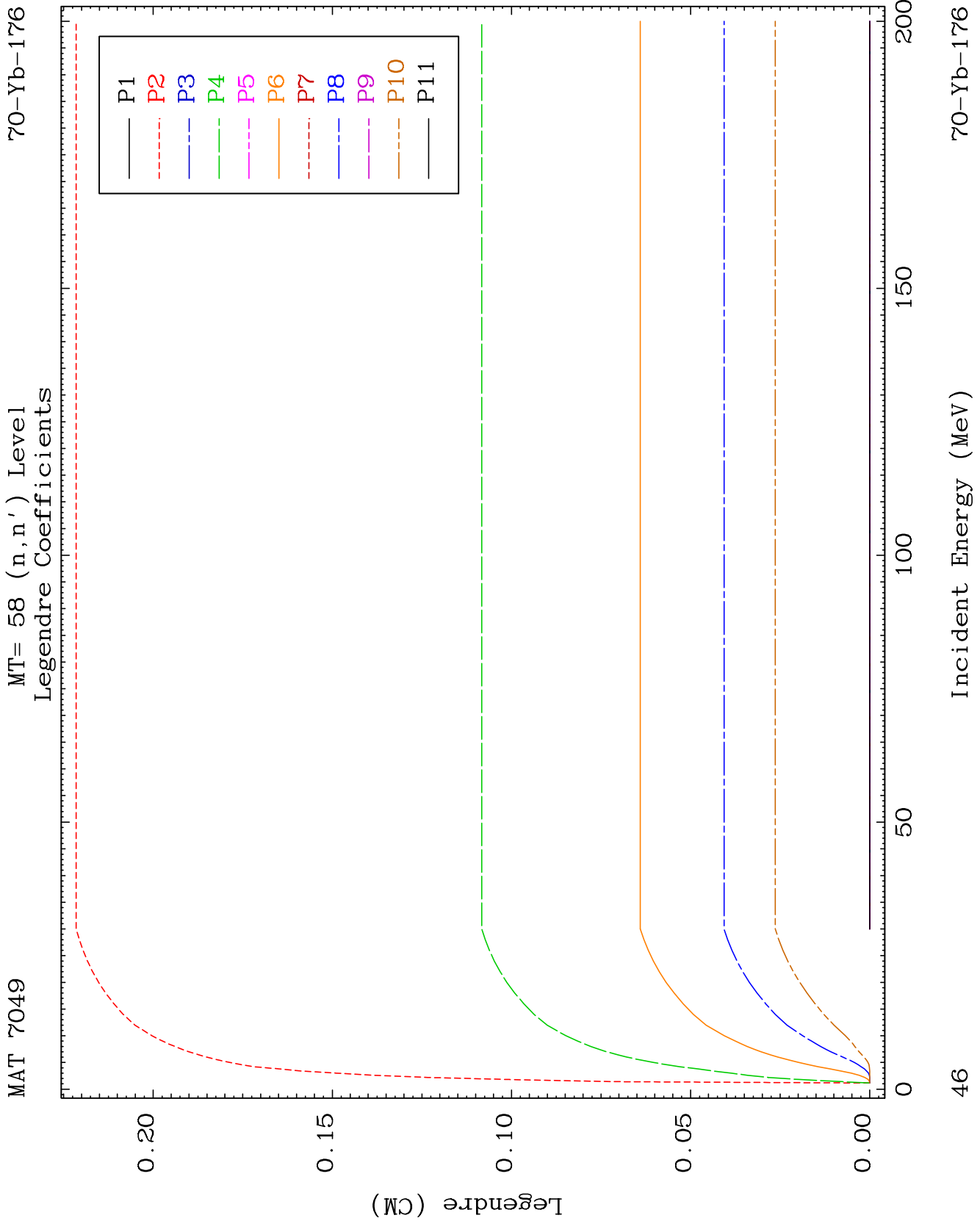


44

Incident Energy (MeV)

70-Yb-176

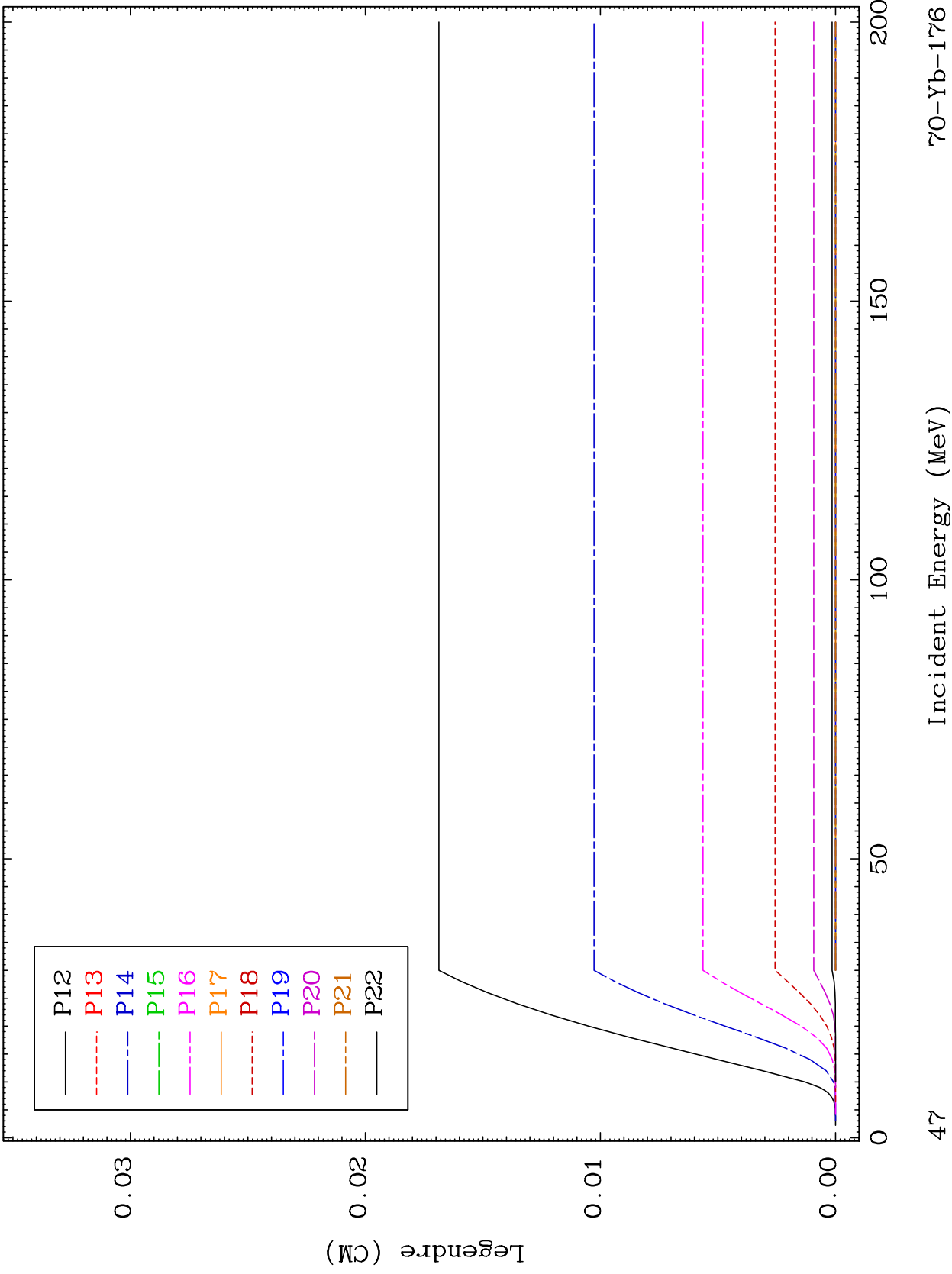




MAT 7049

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

70-Yb-176

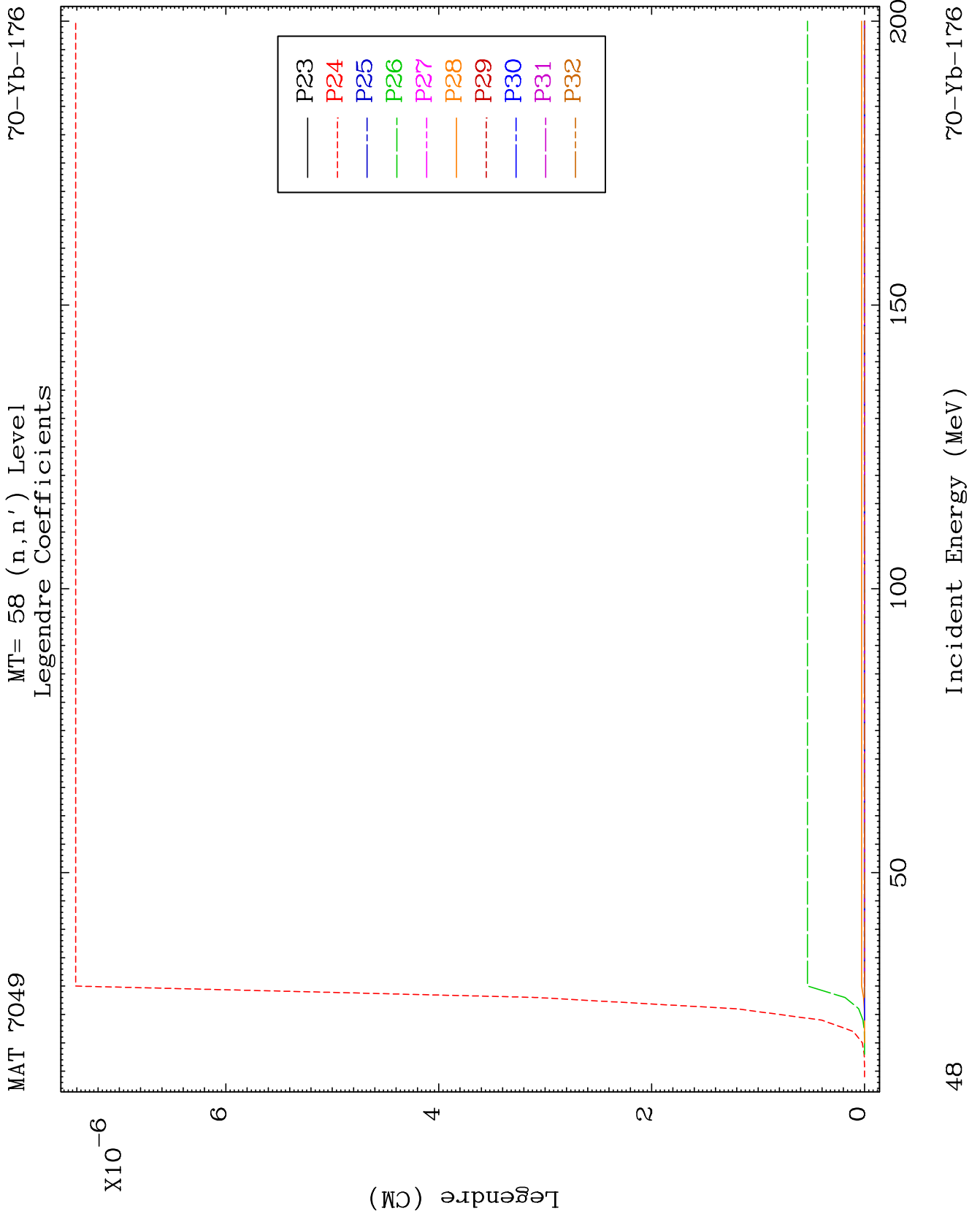


47

Incident Energy (MeV)

70-Yb-176

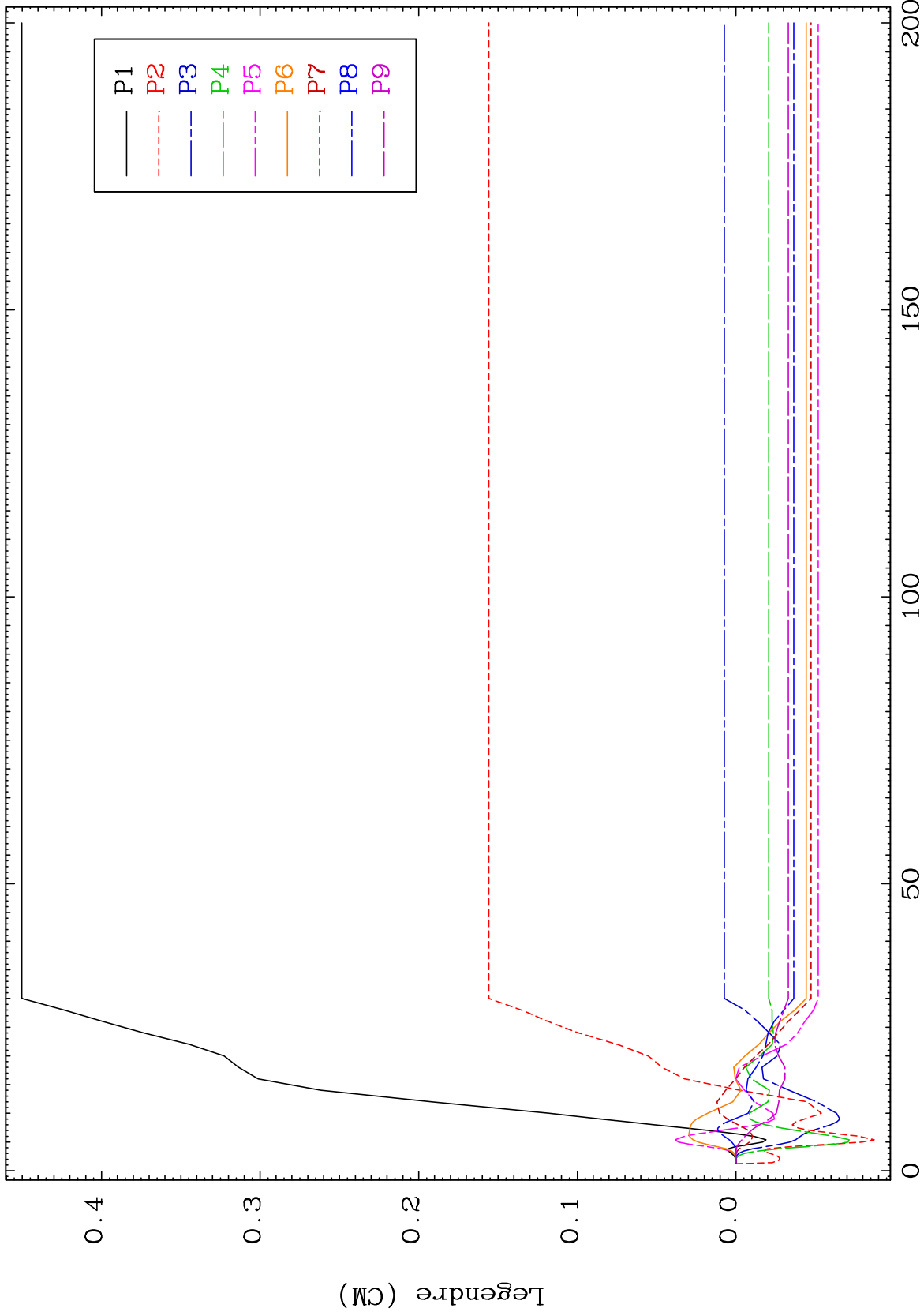




MAT 7049

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

70-Yb-176



70-Yb-176

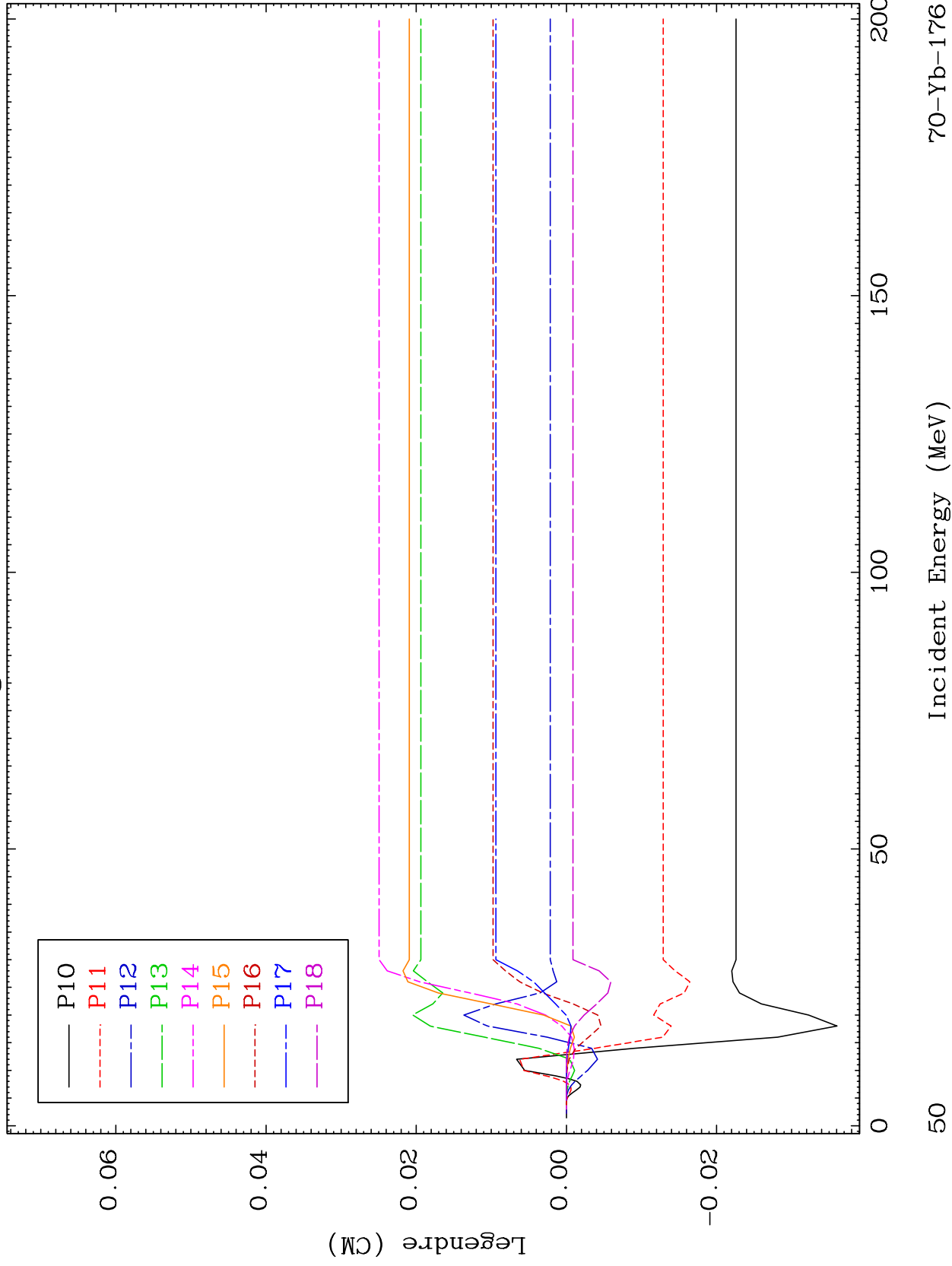
Incident Energy (MeV)

49

MAT 7049

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

70-Yb-176



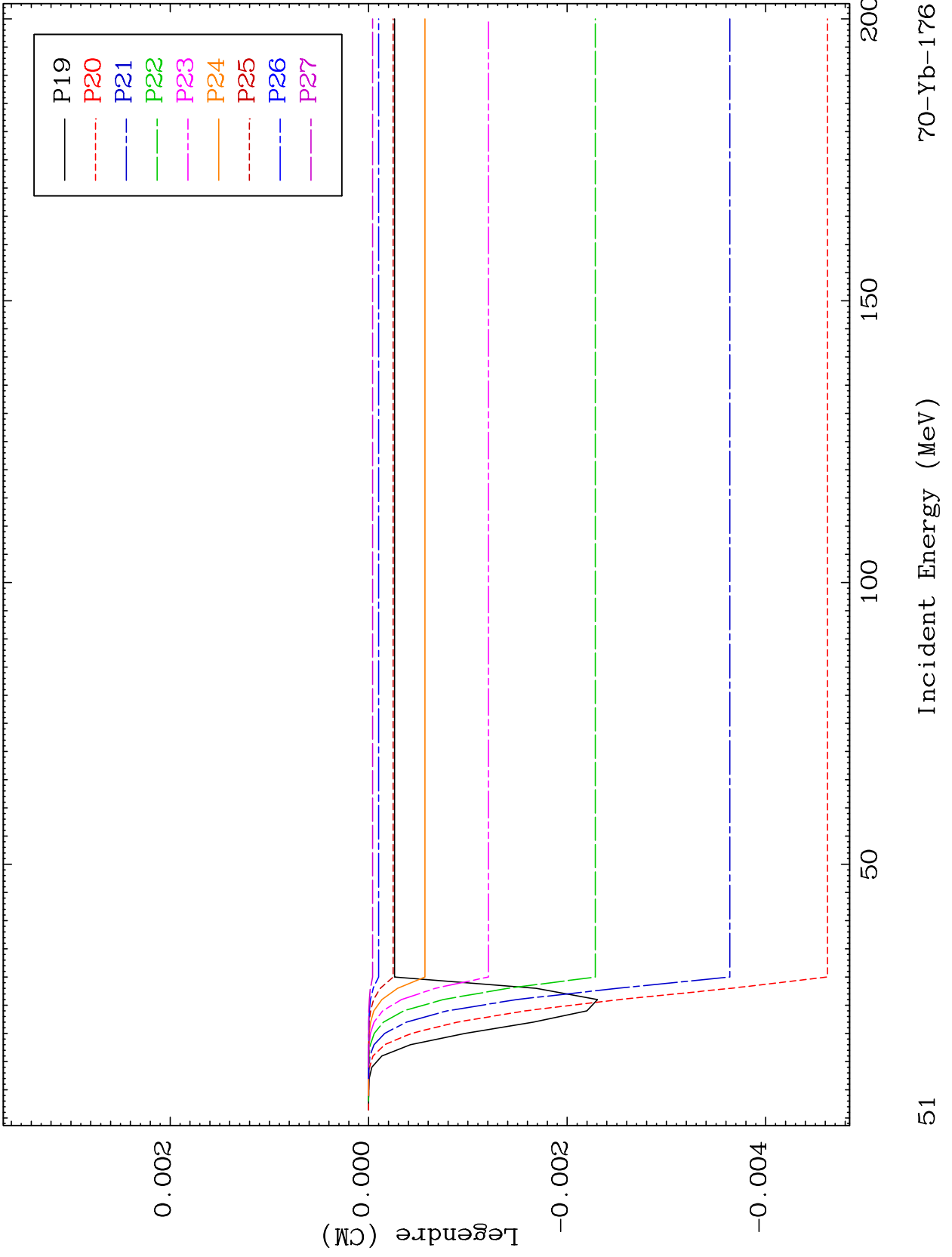
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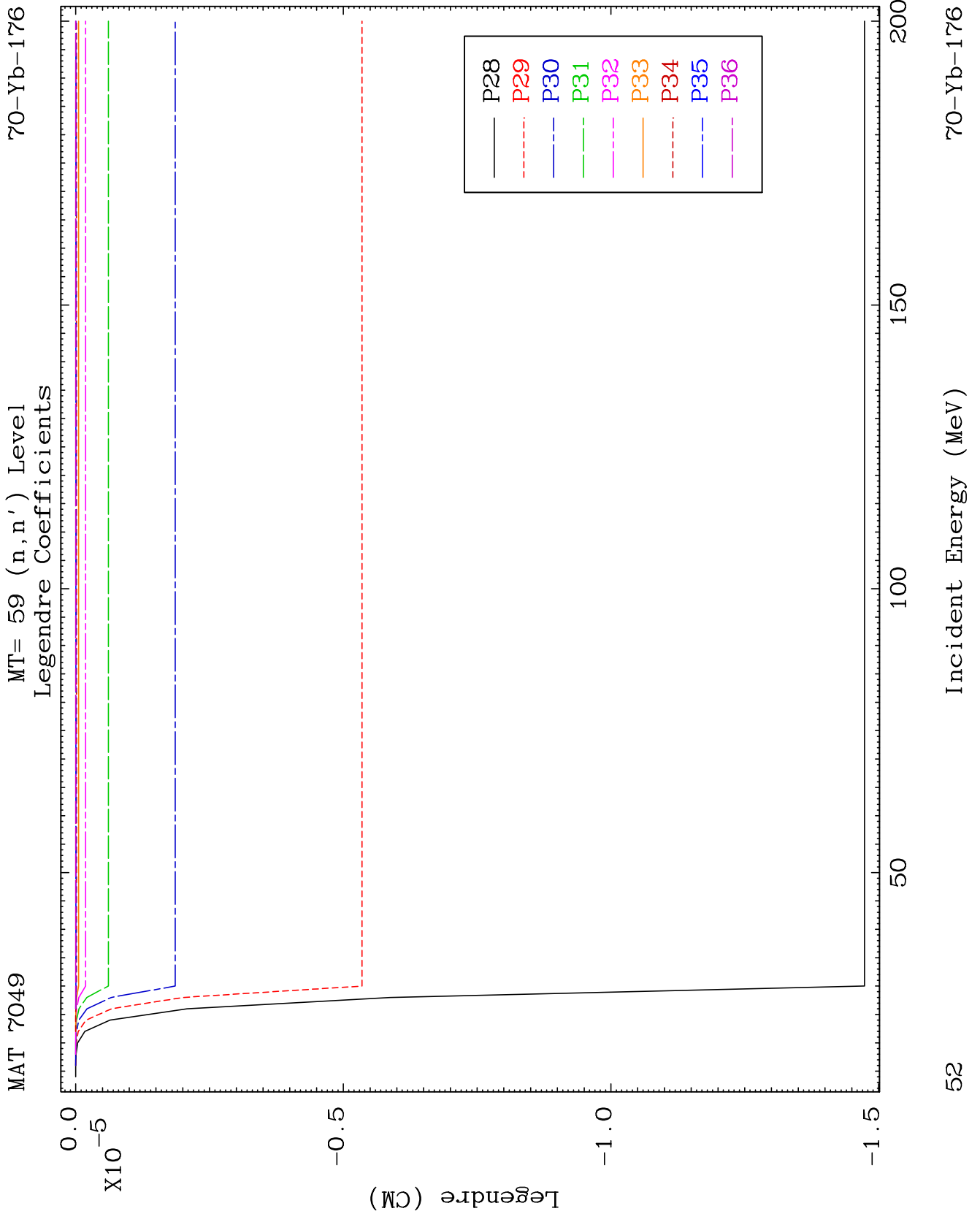
Incident Energy (MeV)

MAT 7049

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

70-Yb-176

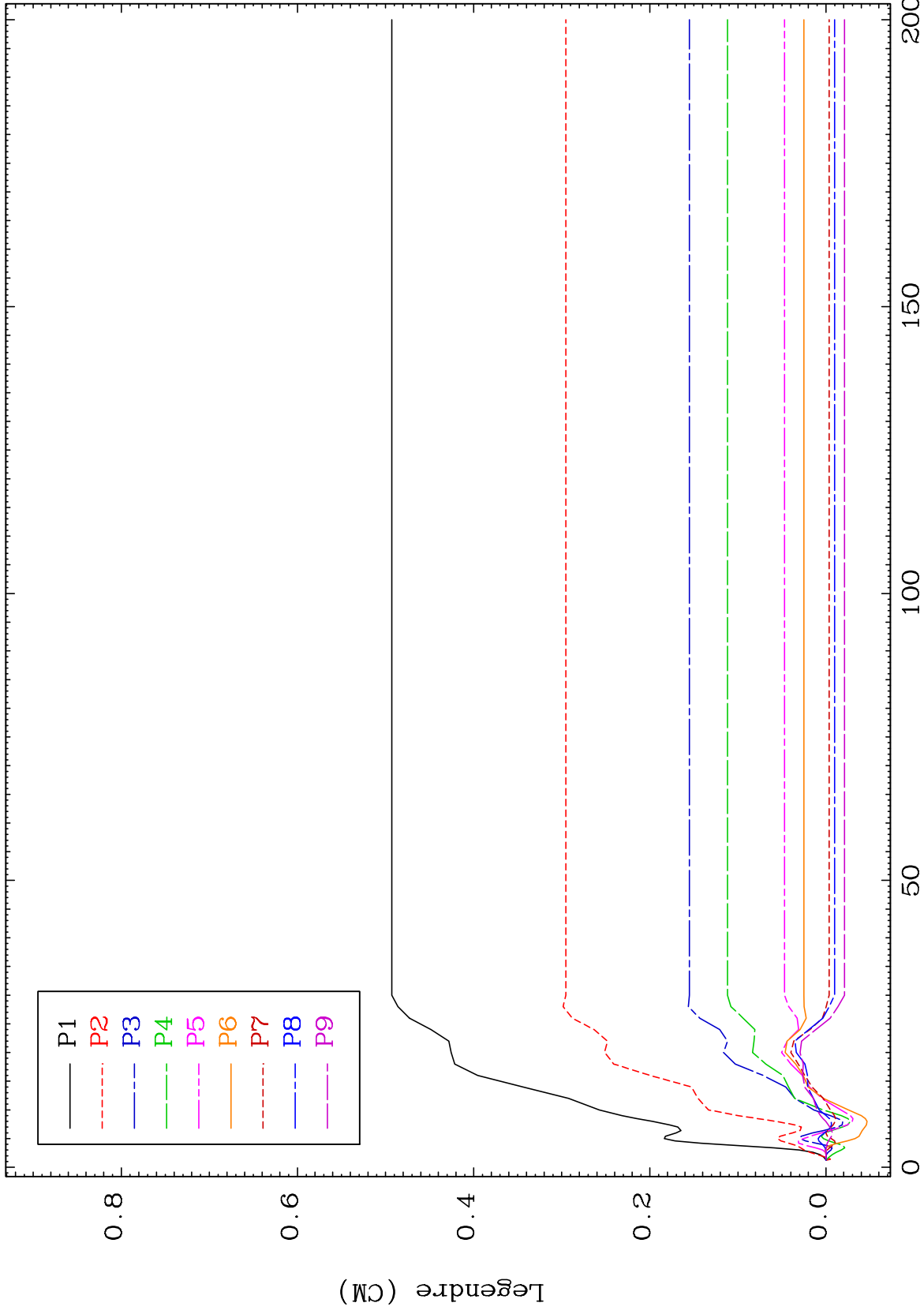




MAT 7049

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

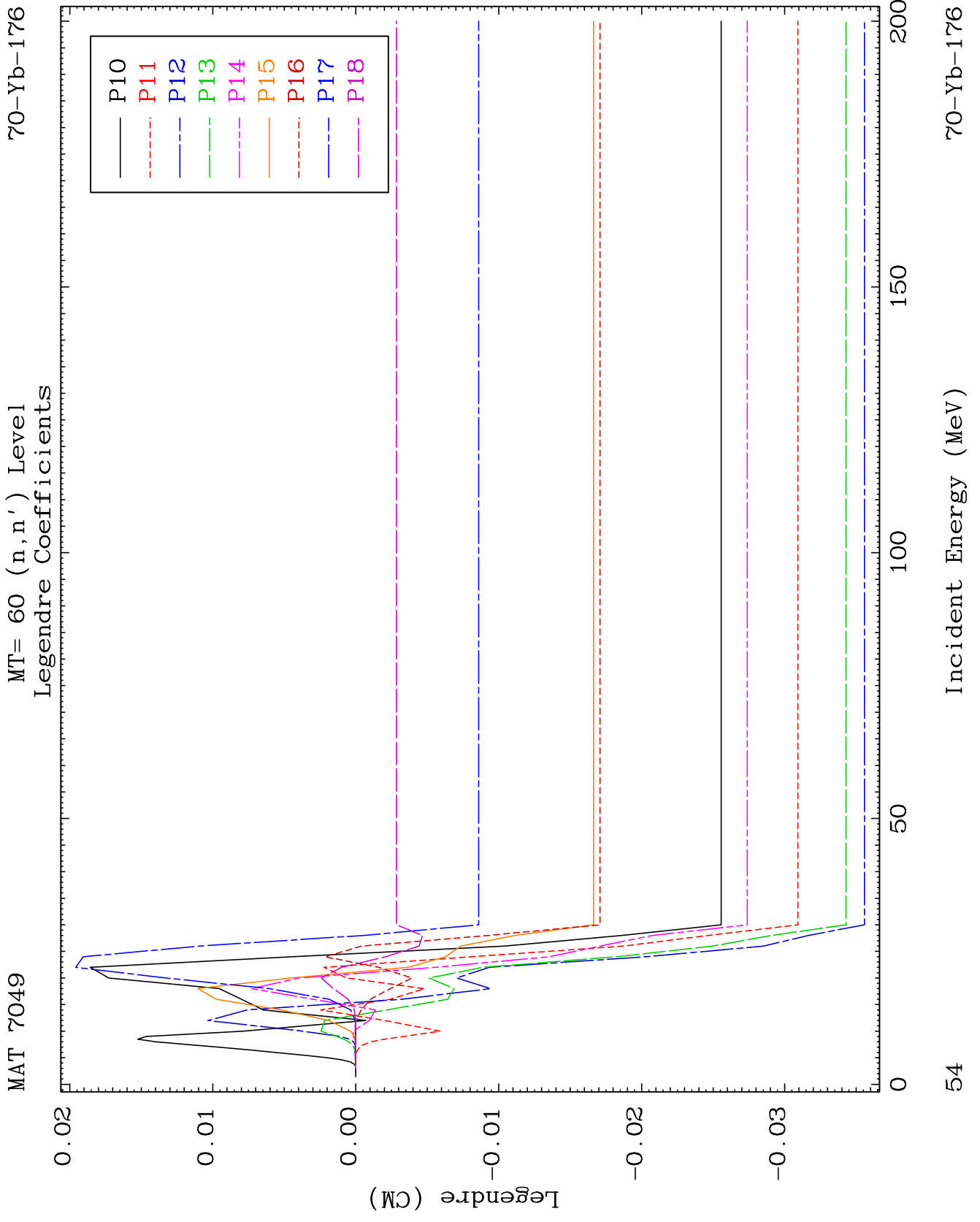
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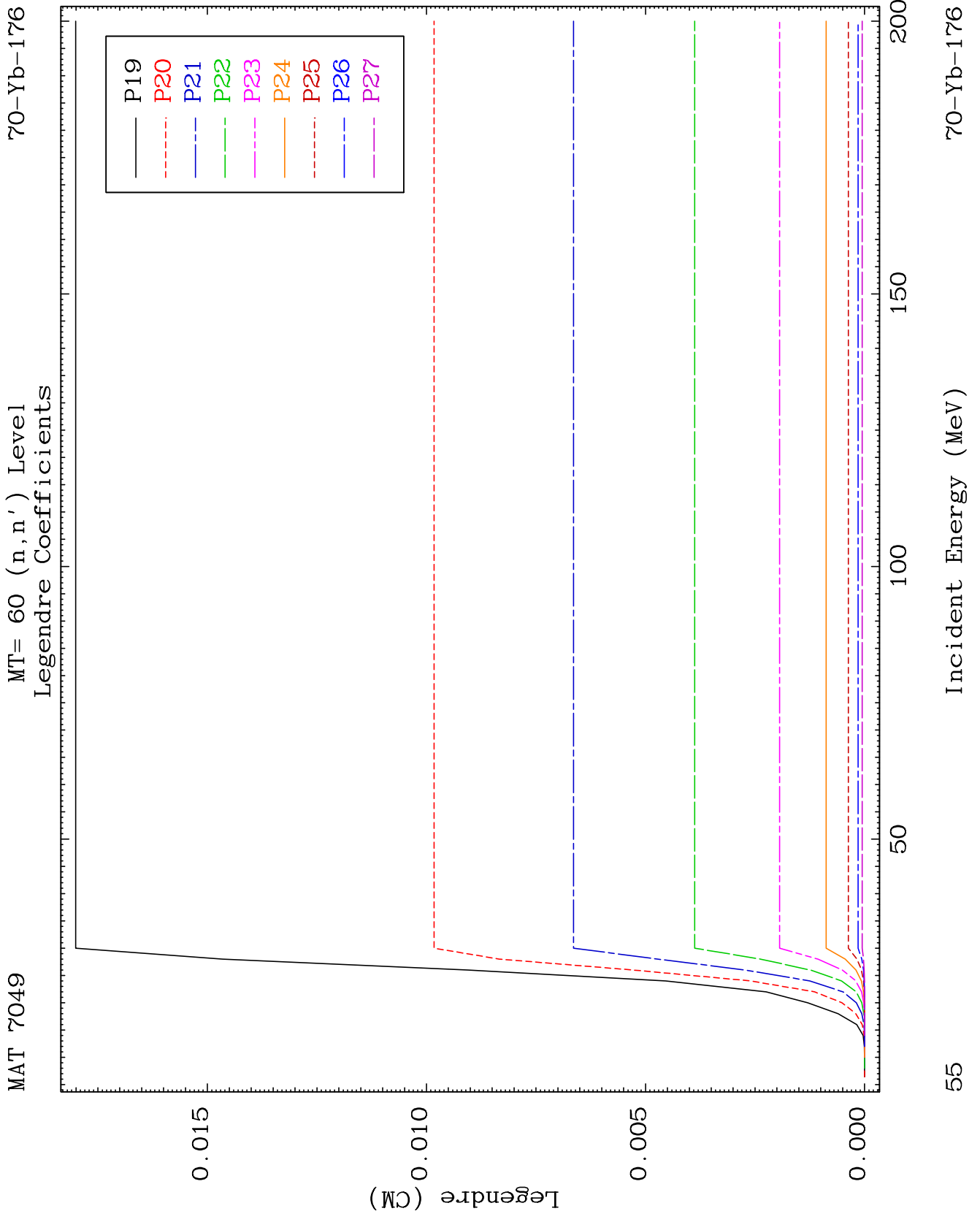


53

Incident Energy (MeV)

70-Yb-176



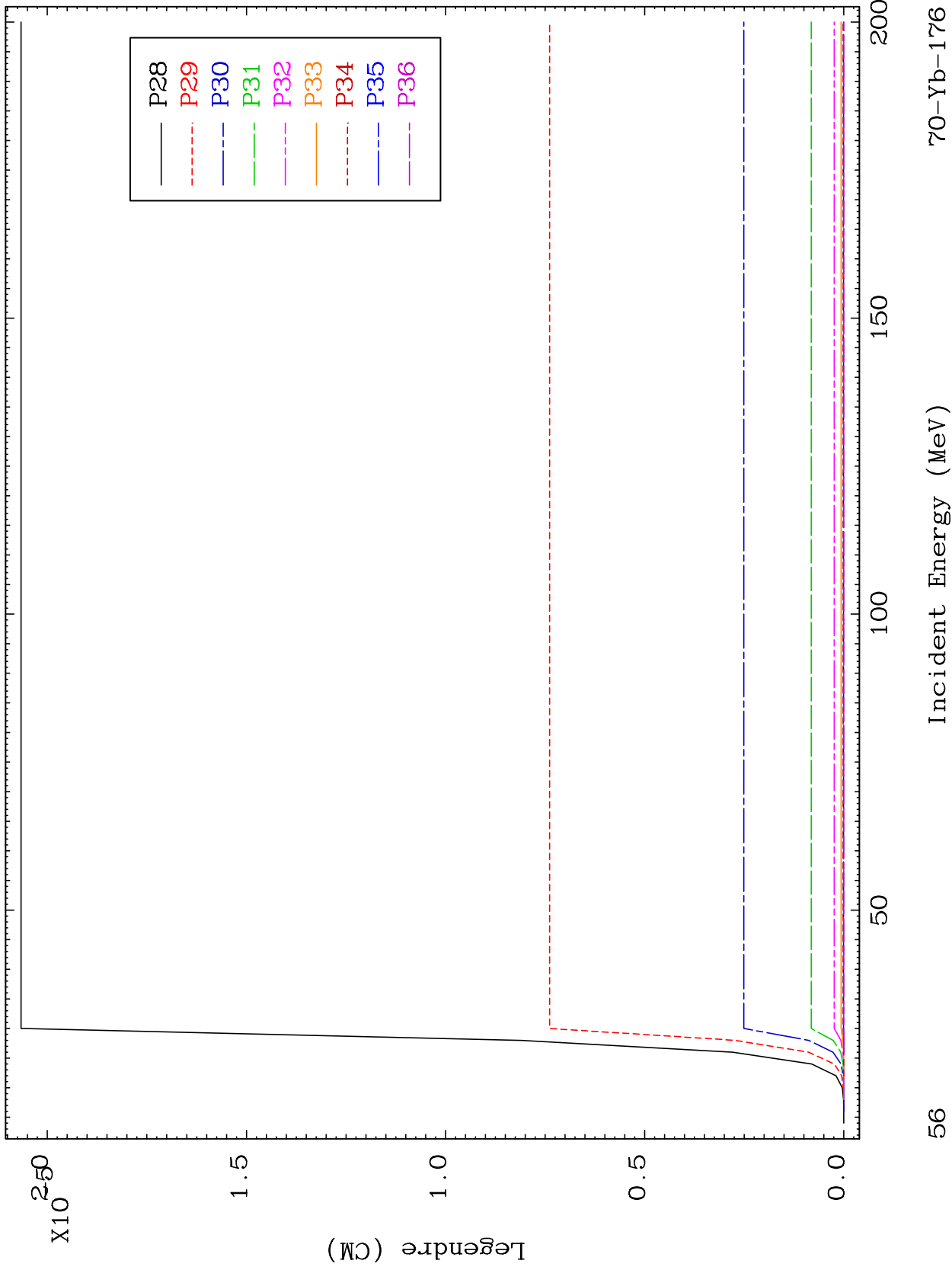




MAT 7049

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

70-Yb-176



56

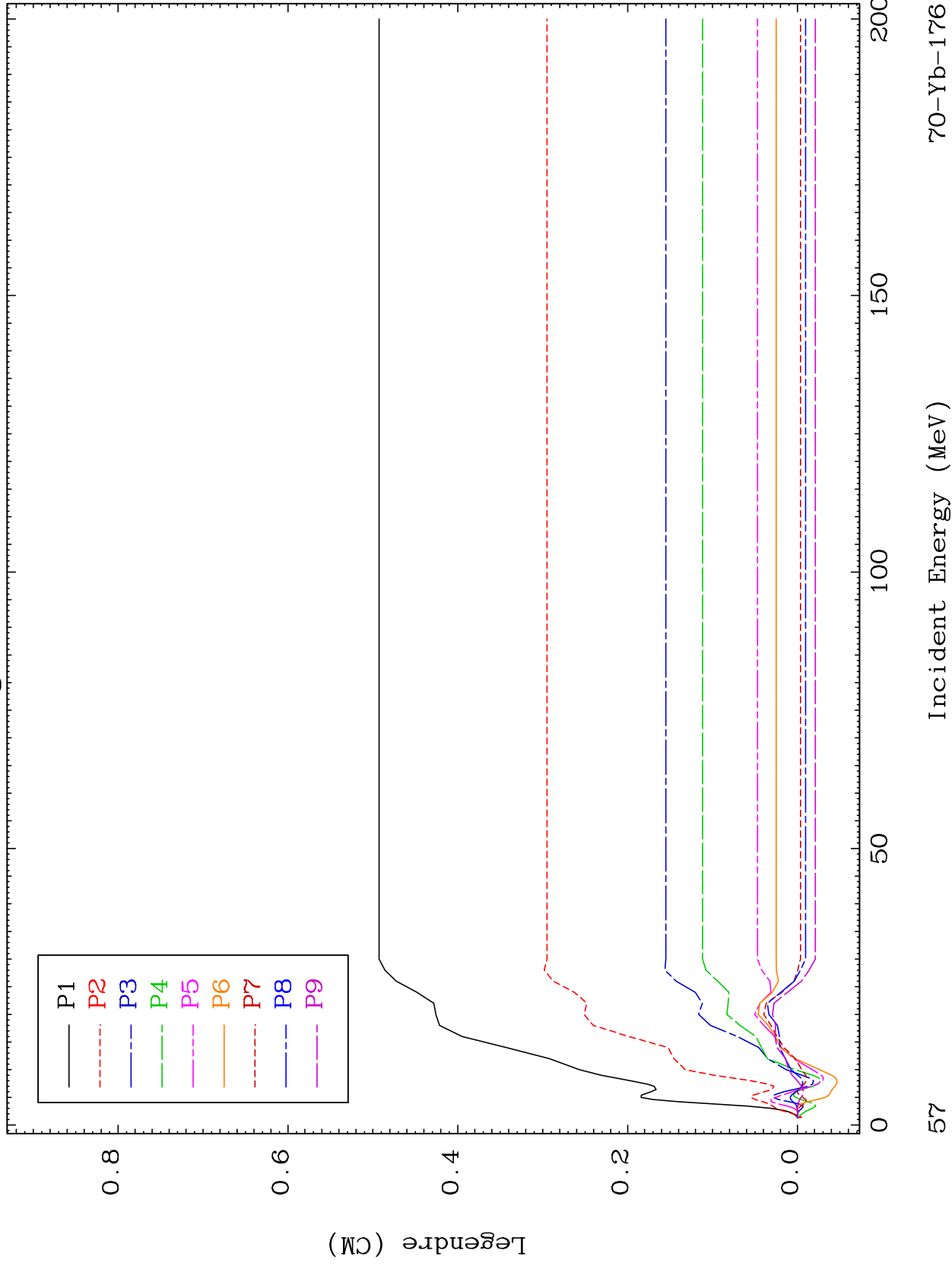
Incident Energy (MeV)

70-Yb-176

MAT 7049

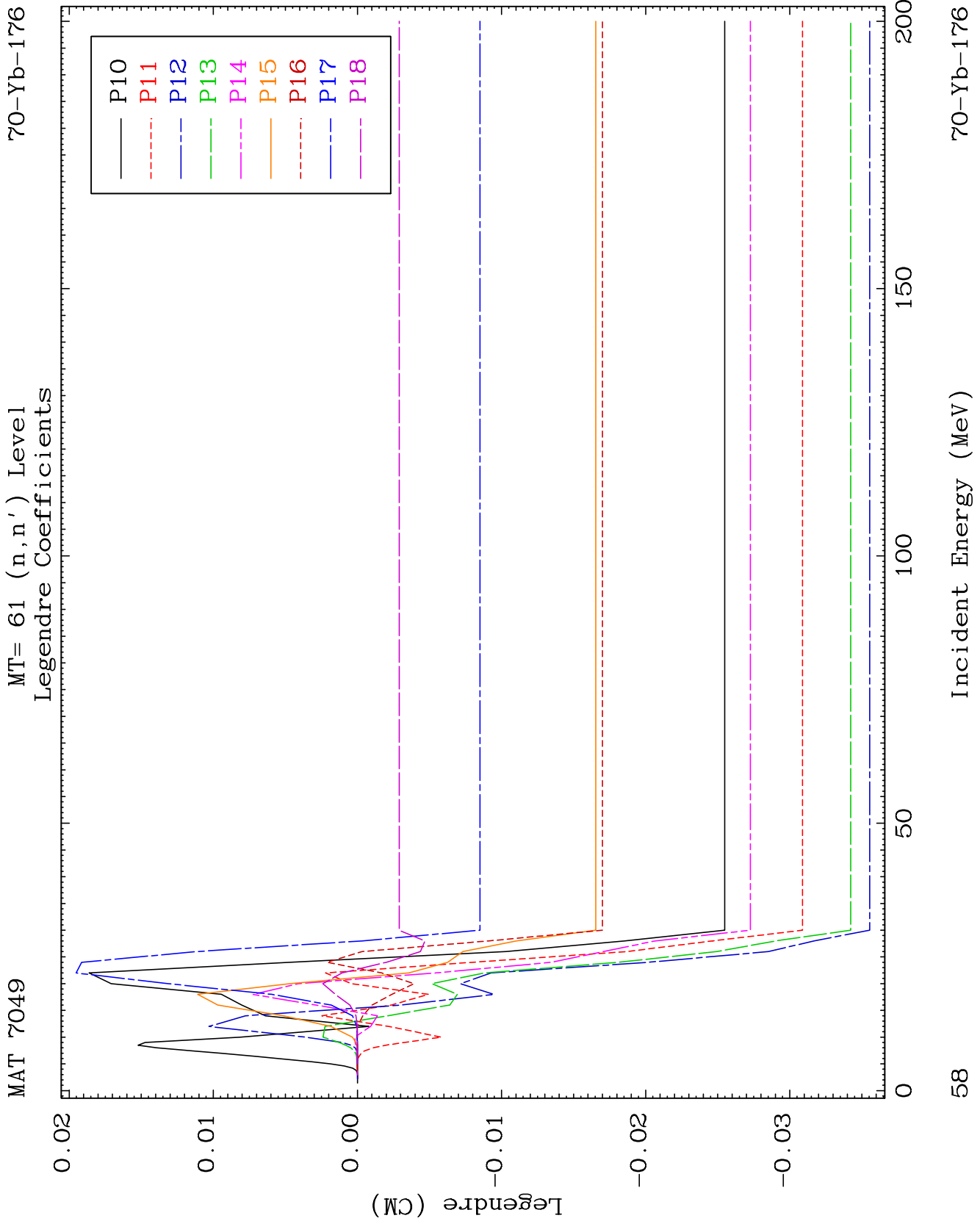
MT= 61 (n,n') Level  
Legendre Coefficients

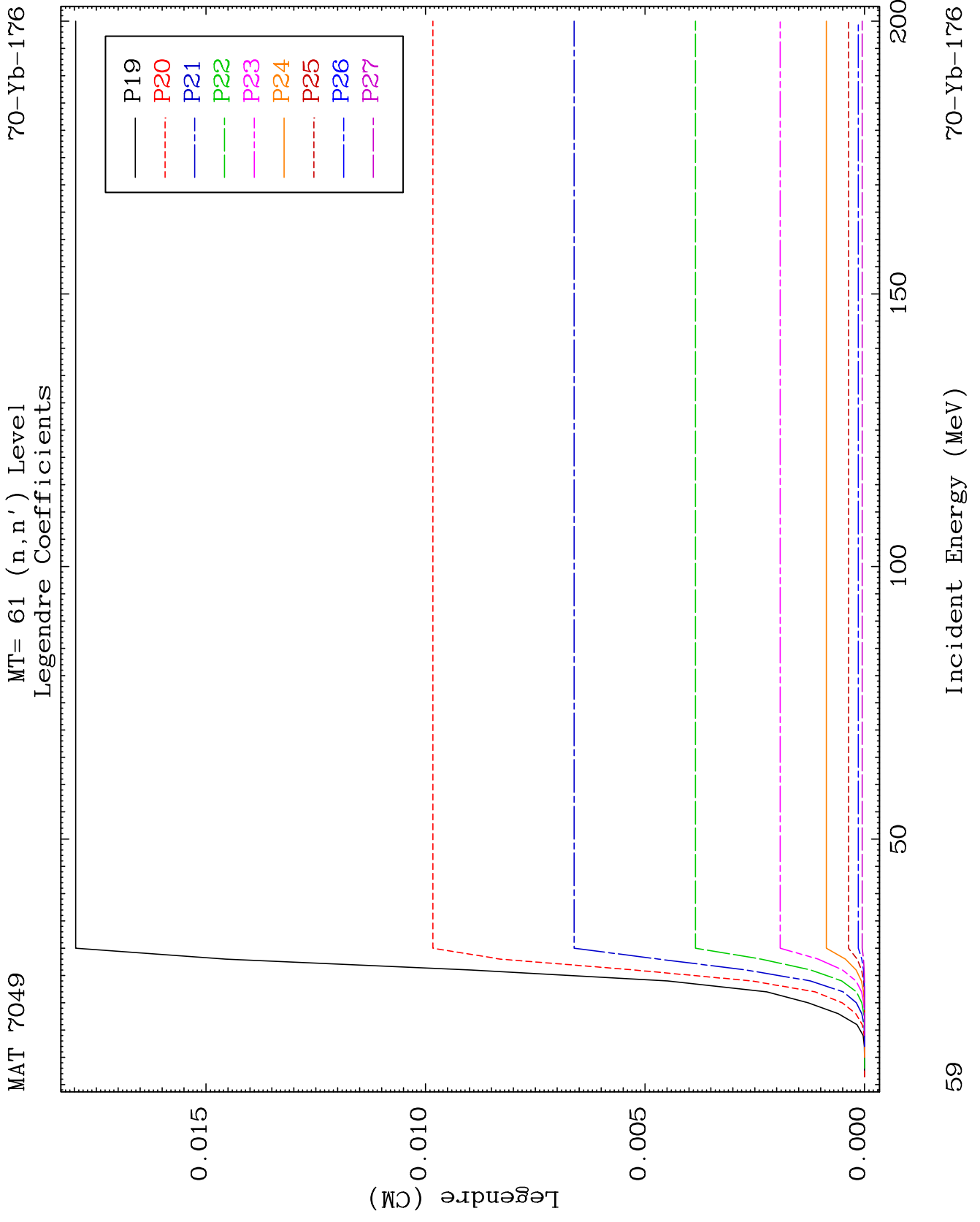
70-Yb-176



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70-Yb-176

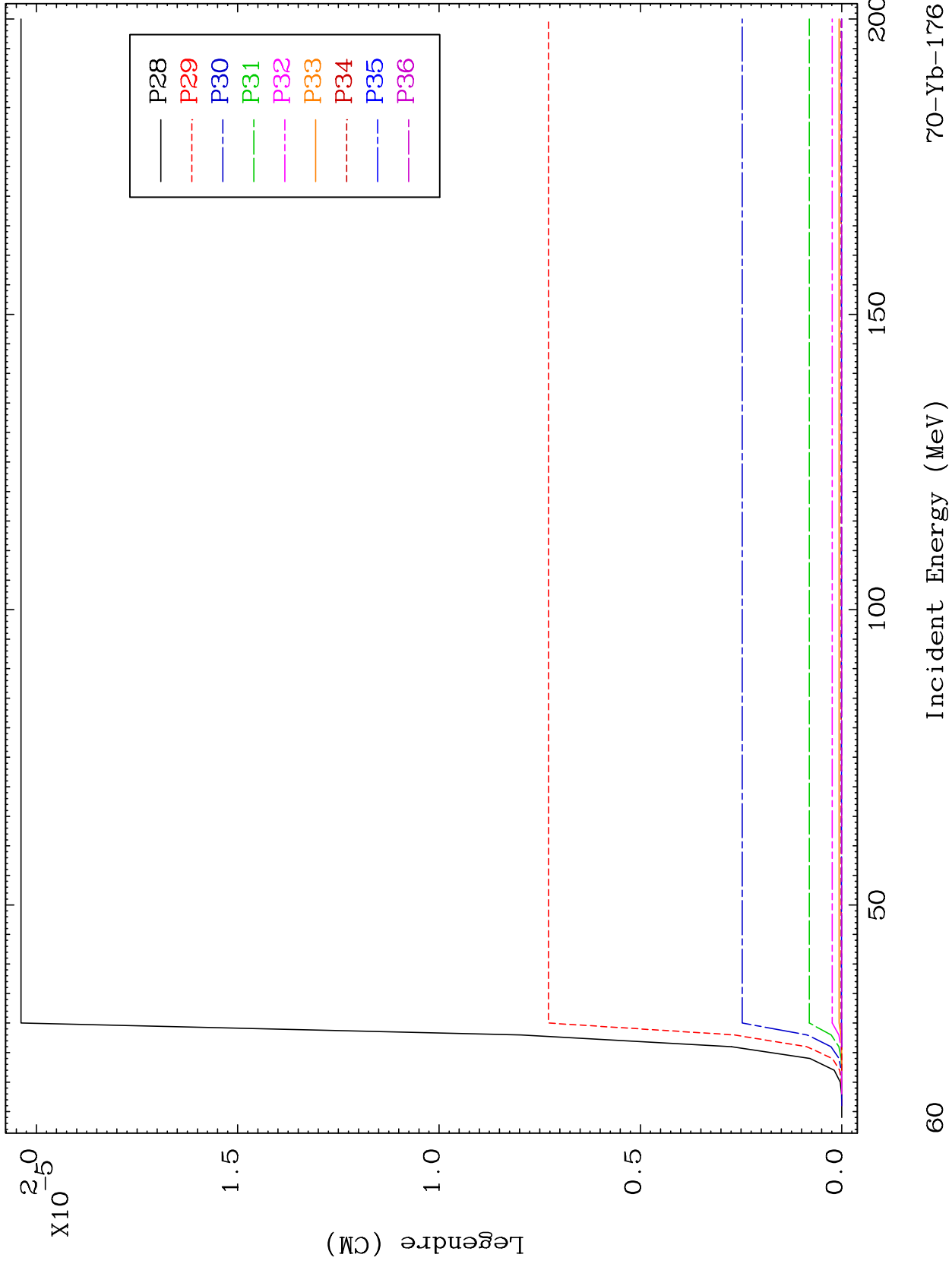


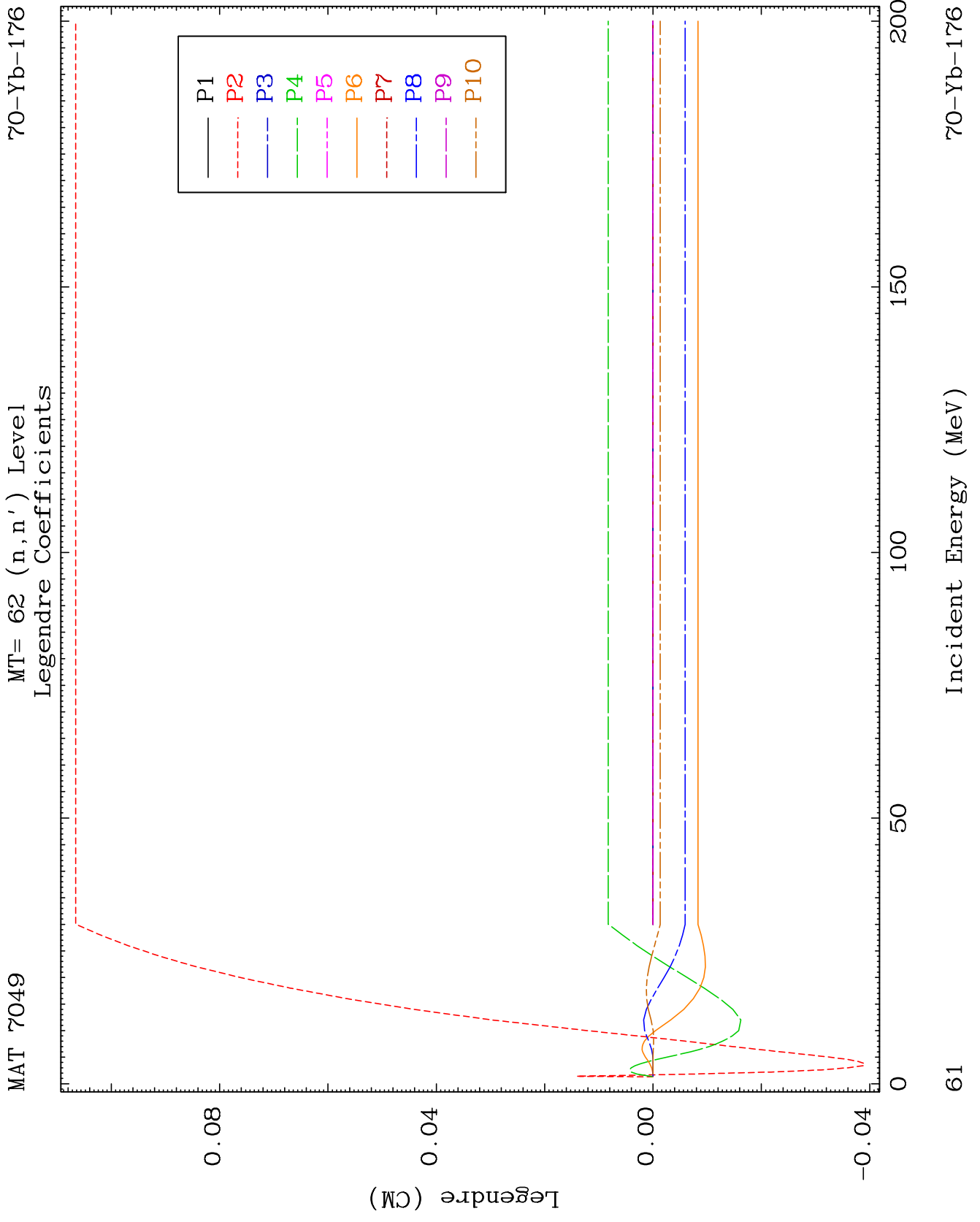


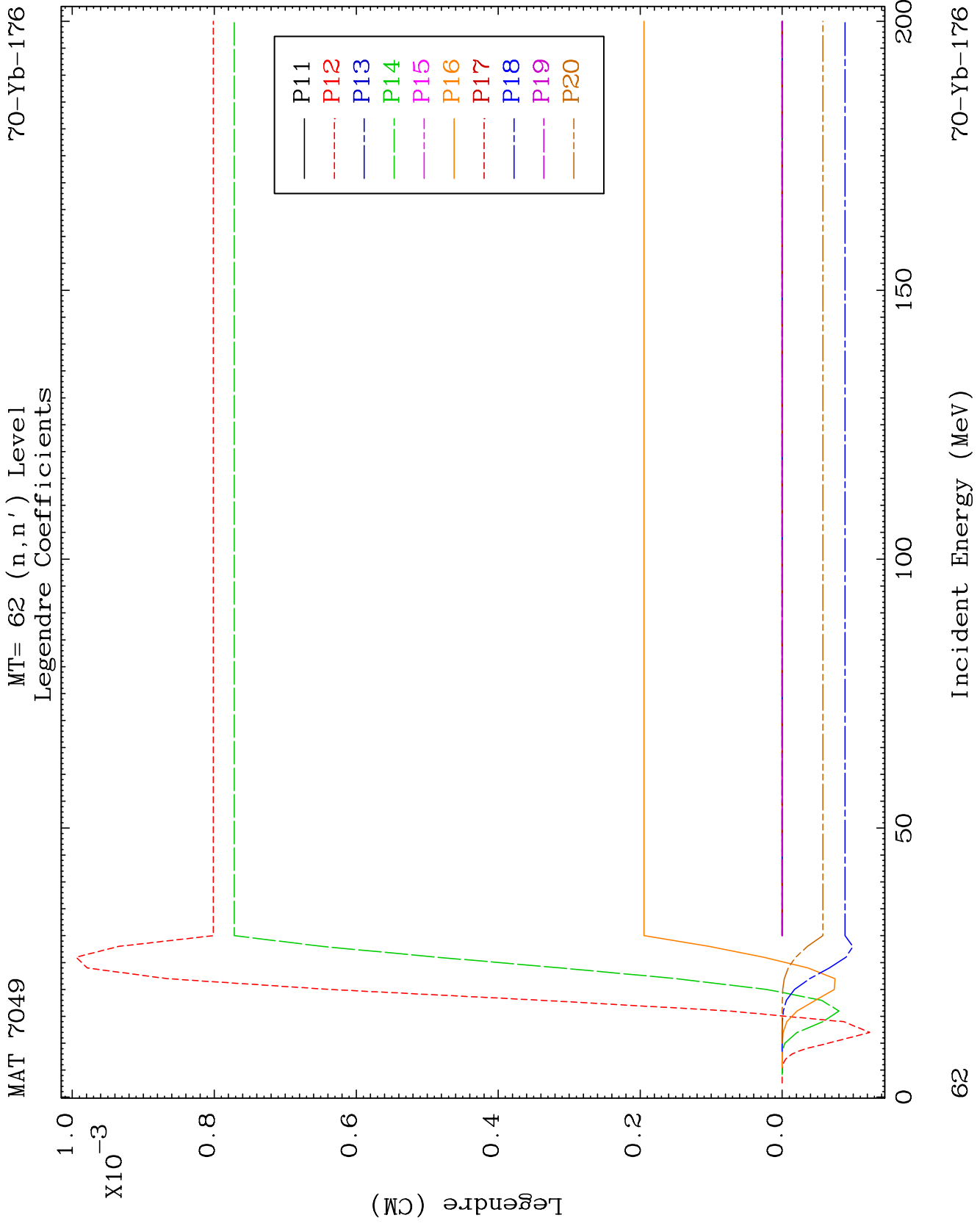
MAT 7049

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

70-Yb-176



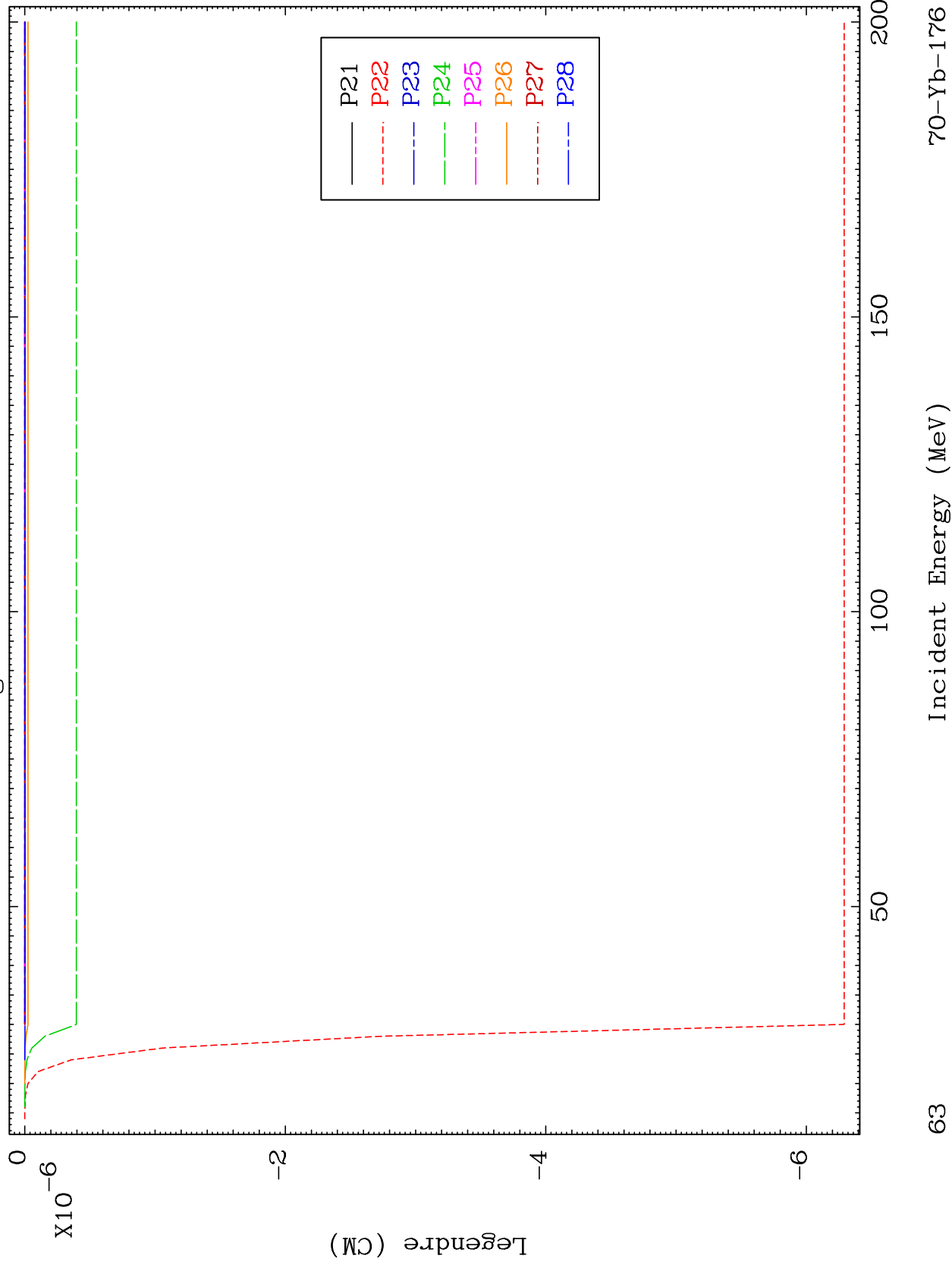




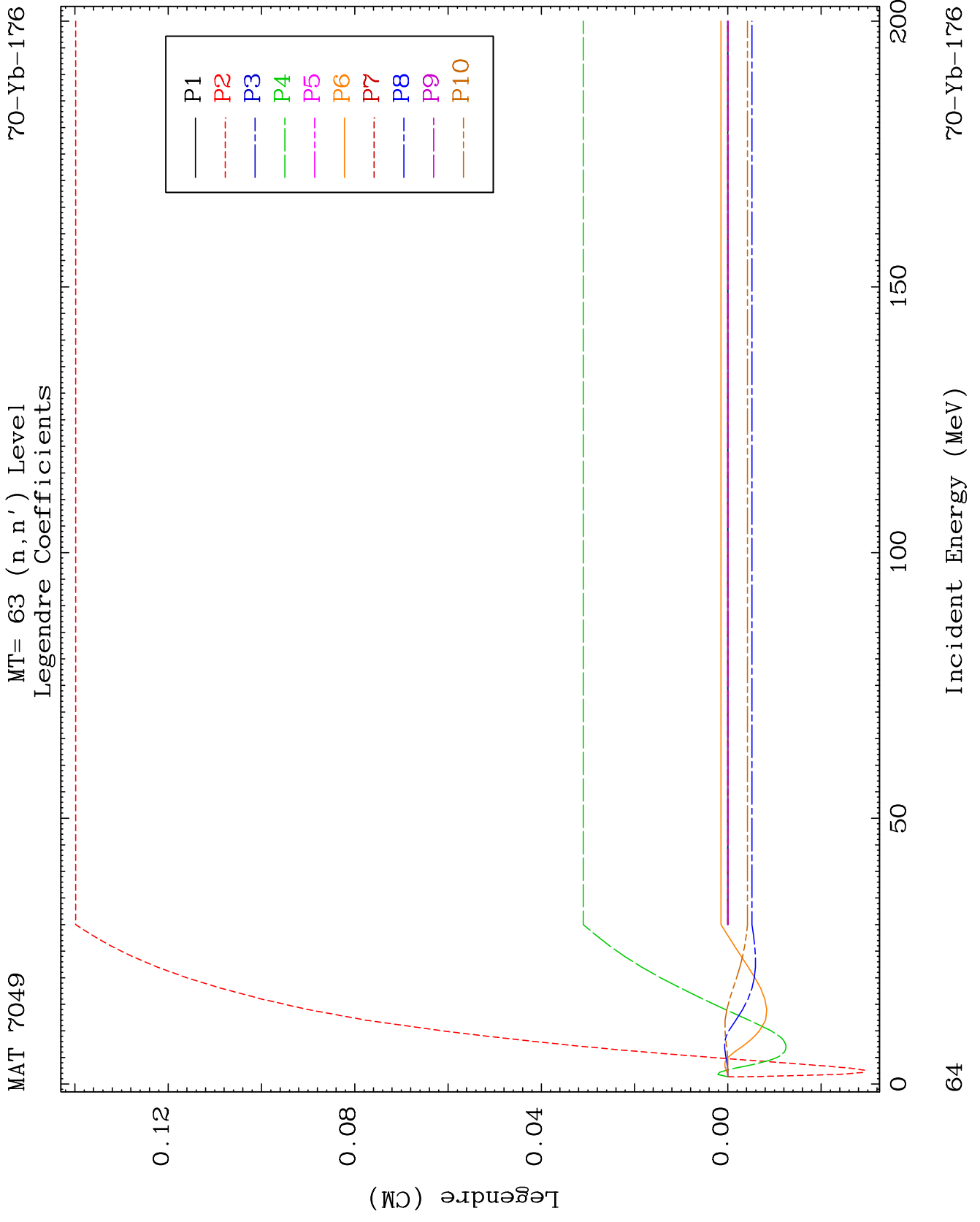
MAT 7049

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

70-Yb-176



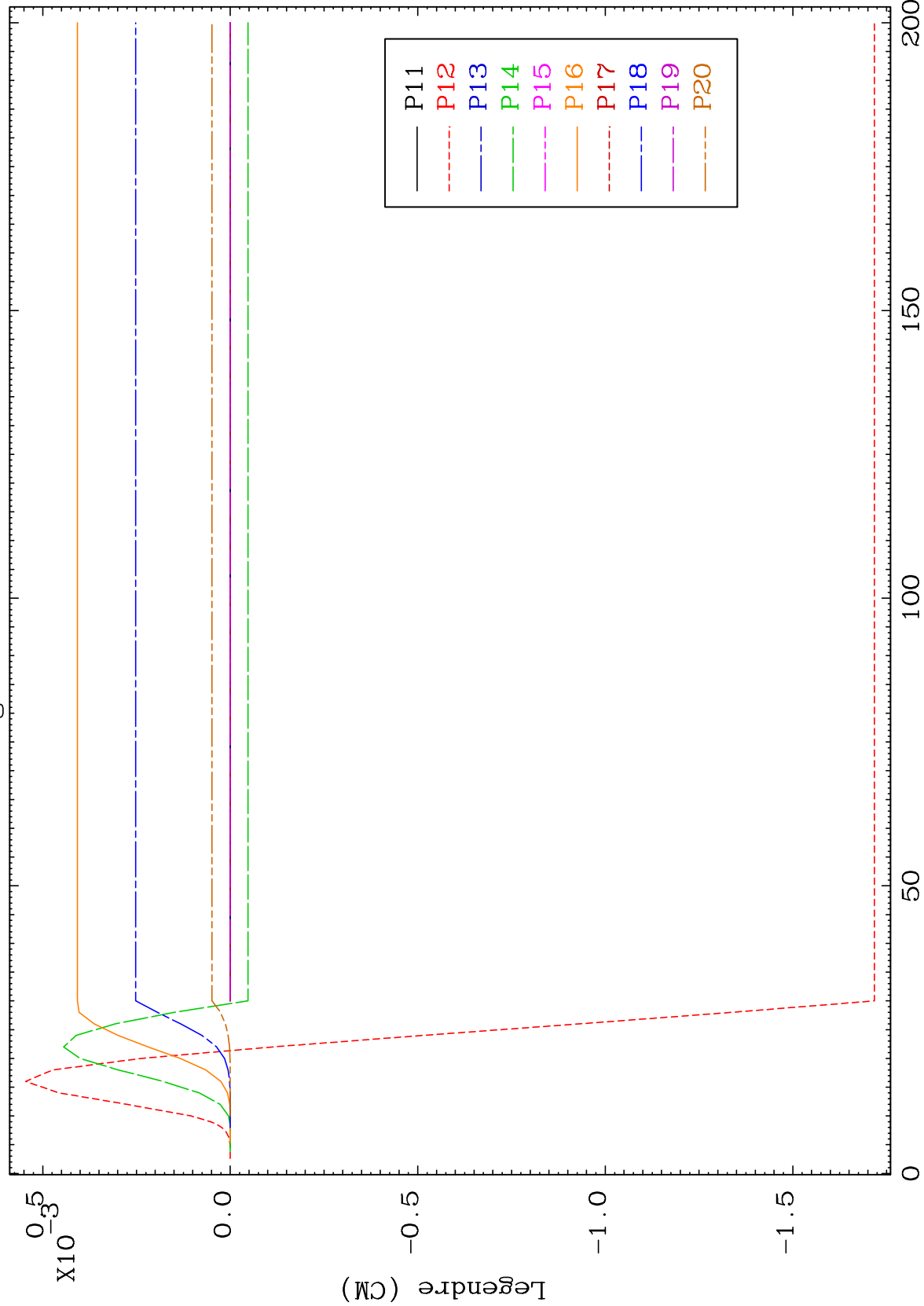




MAT 7049

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

70-Yb-176



65

Incident Energy (MeV)

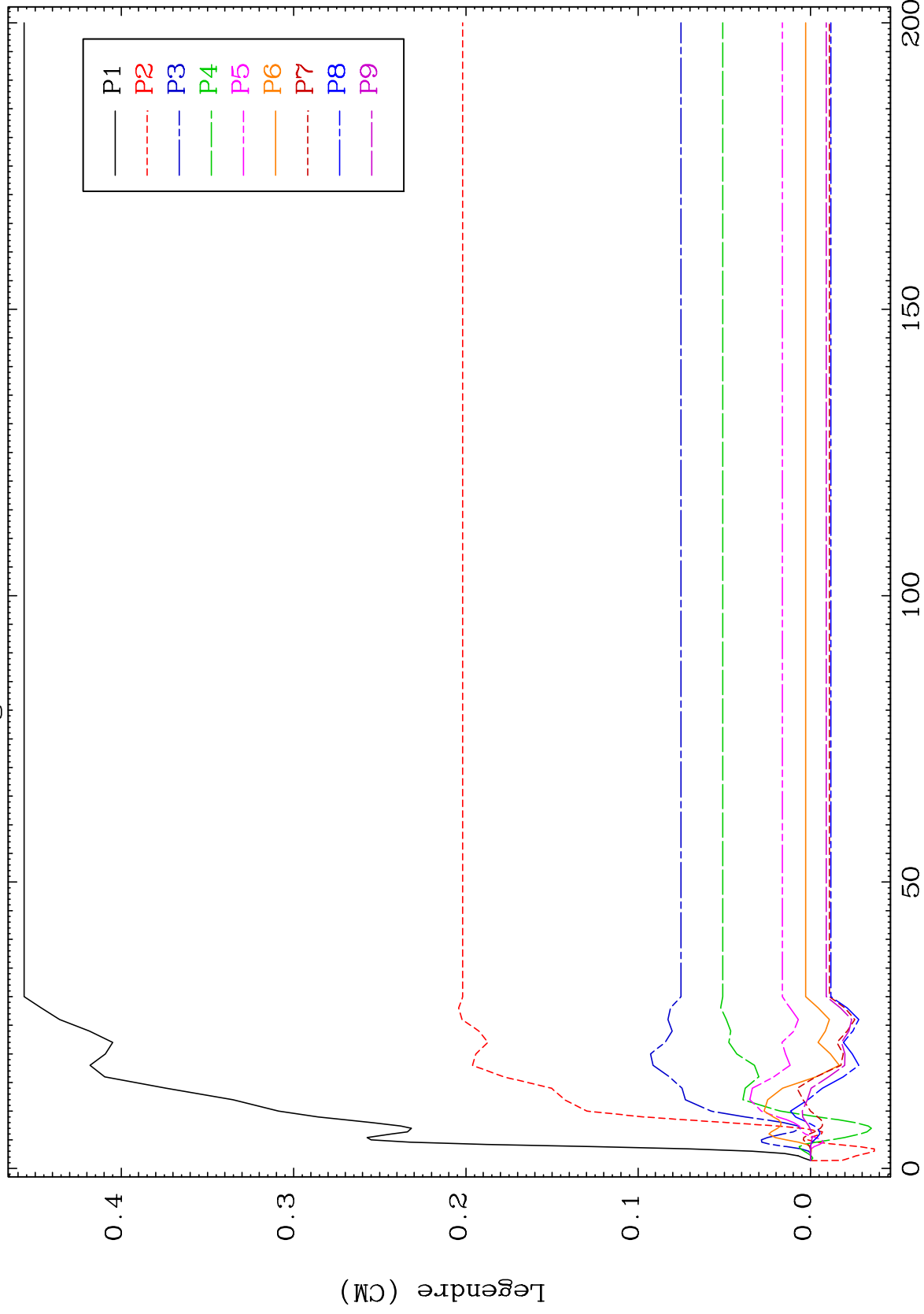
70-Yb-176



MAT 7049

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

70-Yb-176



67

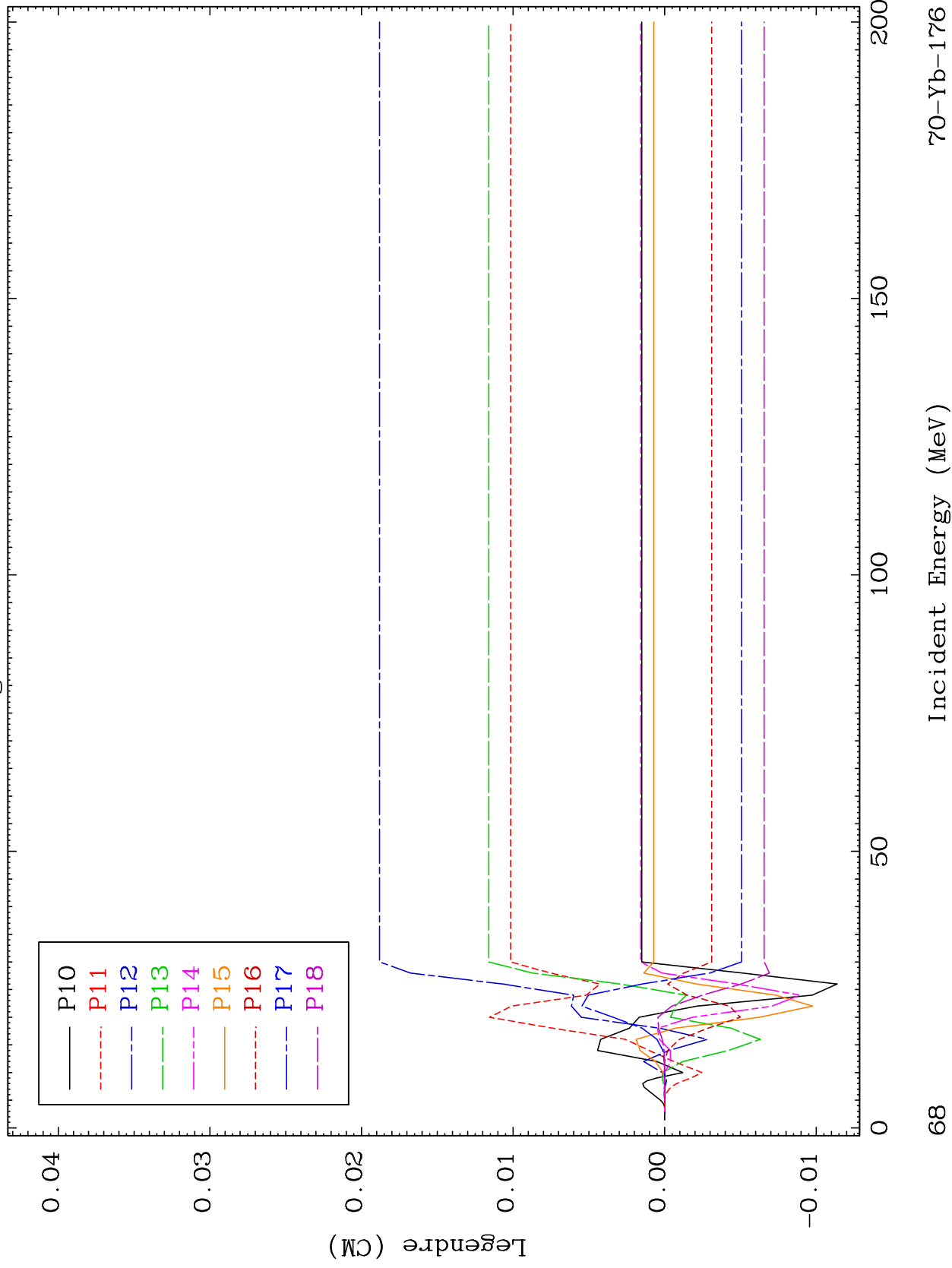
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

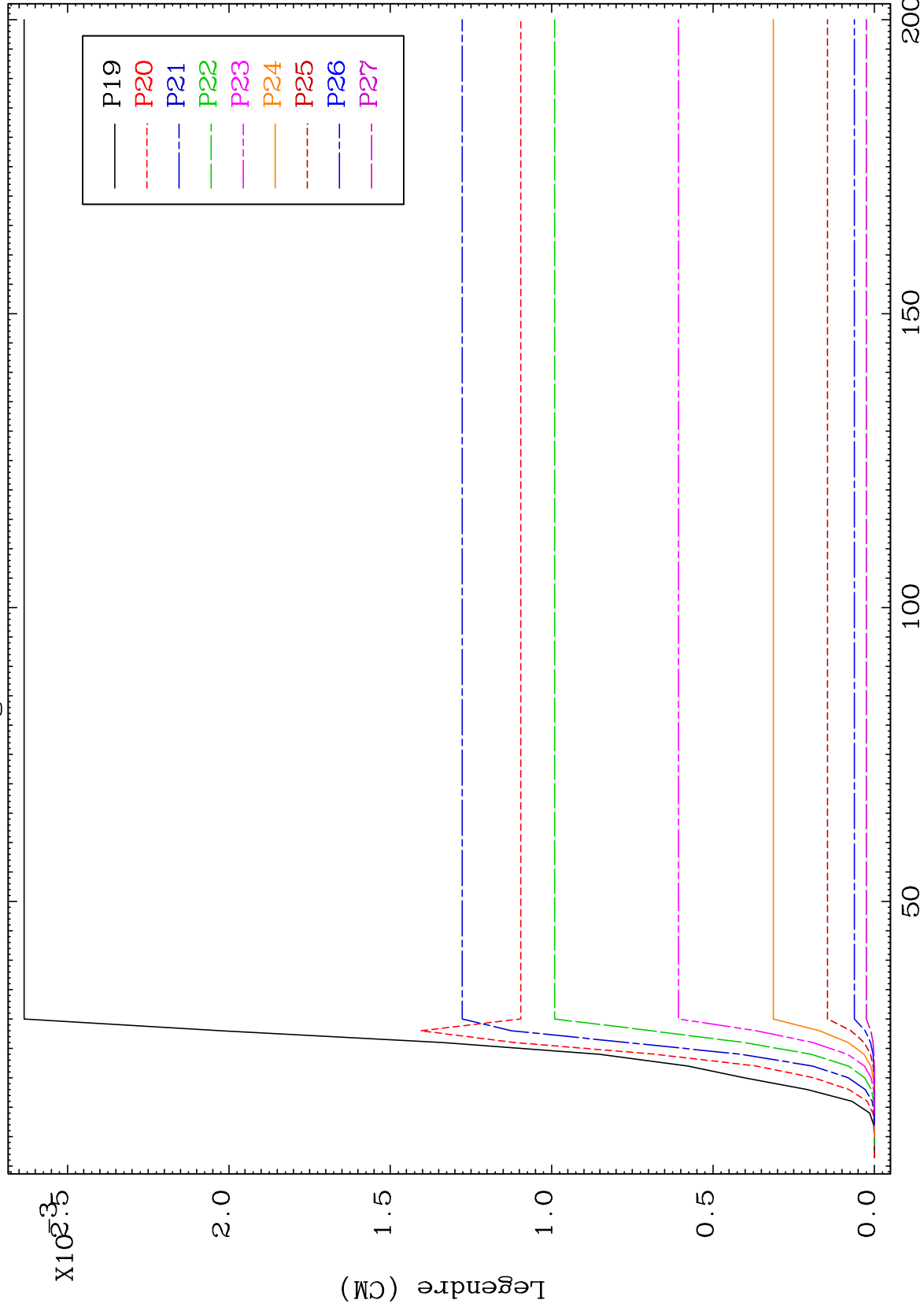
70-Yb-176



MAT 7049

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

70-Yb-176



69

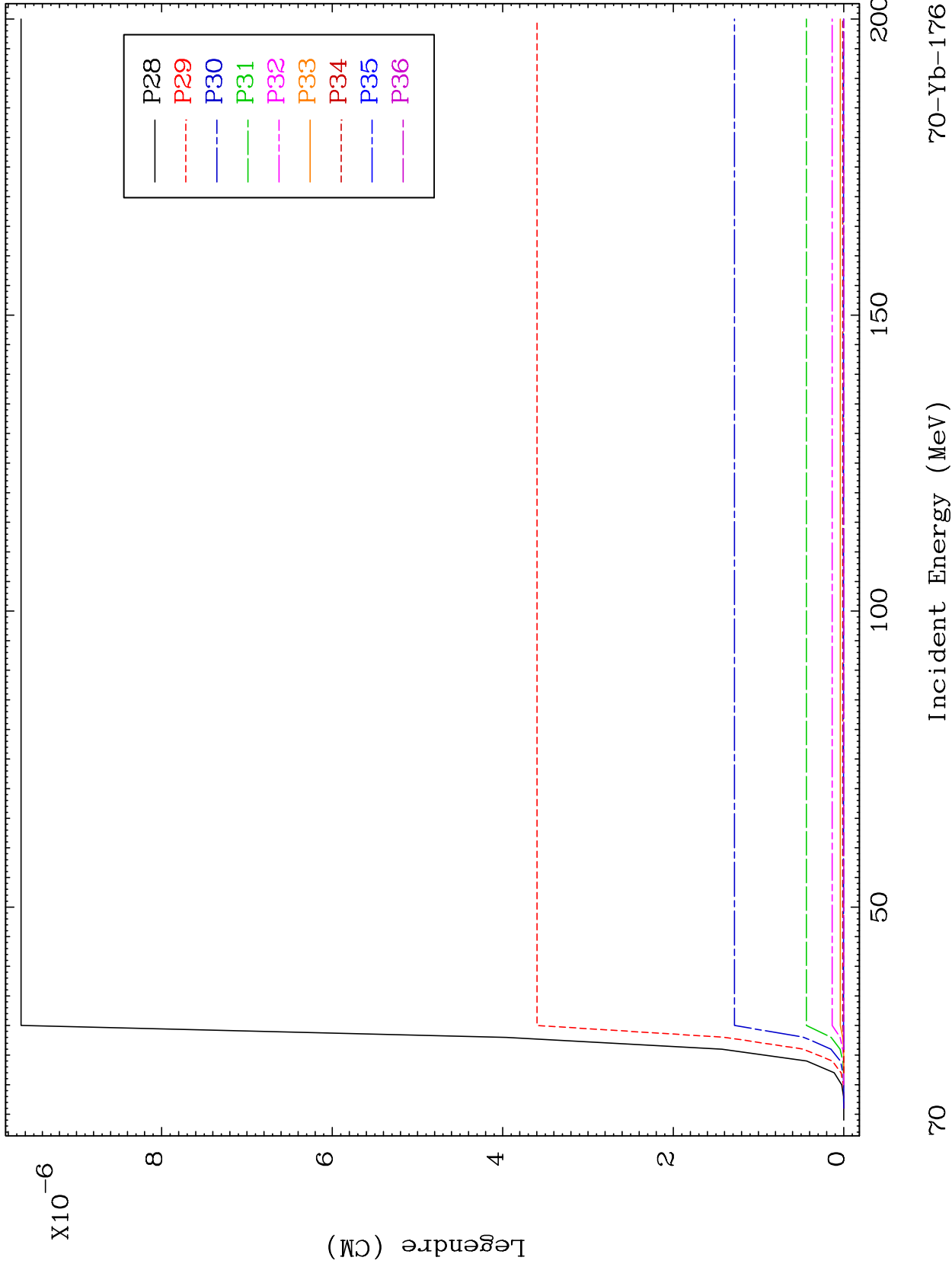
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

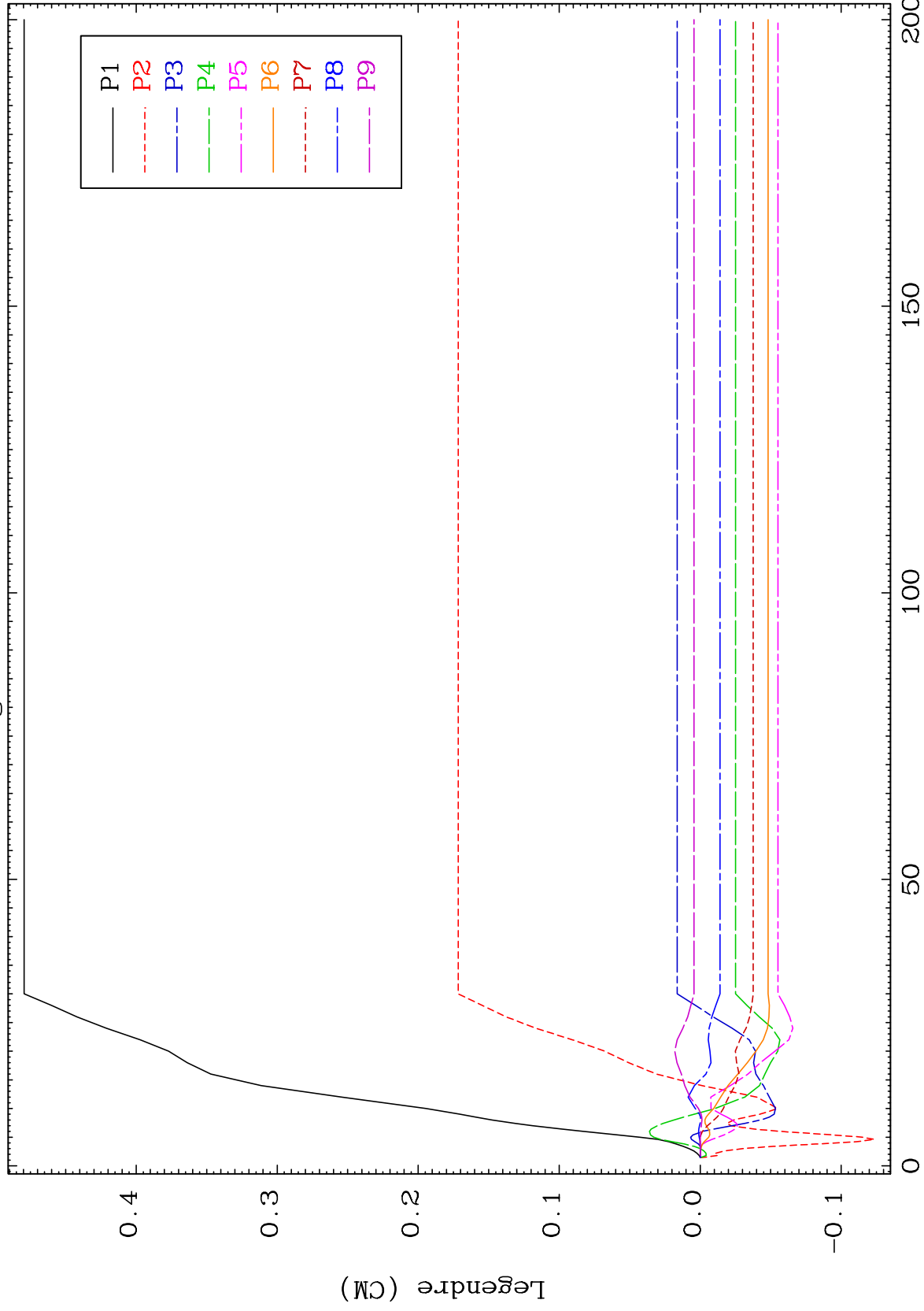
70-Yb-176



MAT 7049

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

70-Yb-176



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Incident Energy (MeV)

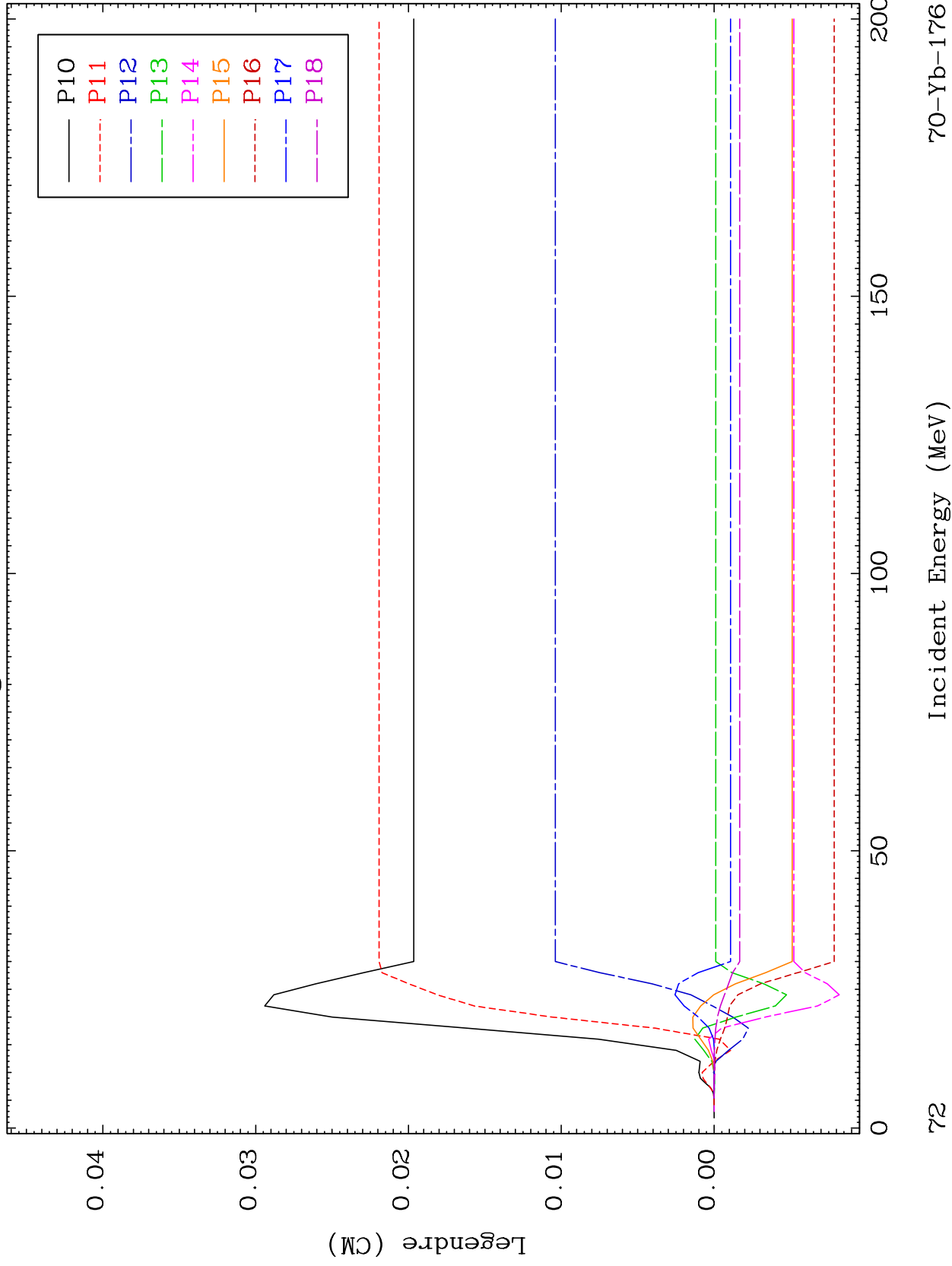
70-Yb-176



MAT 7049

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

70-Yb-176



70-Yb-176

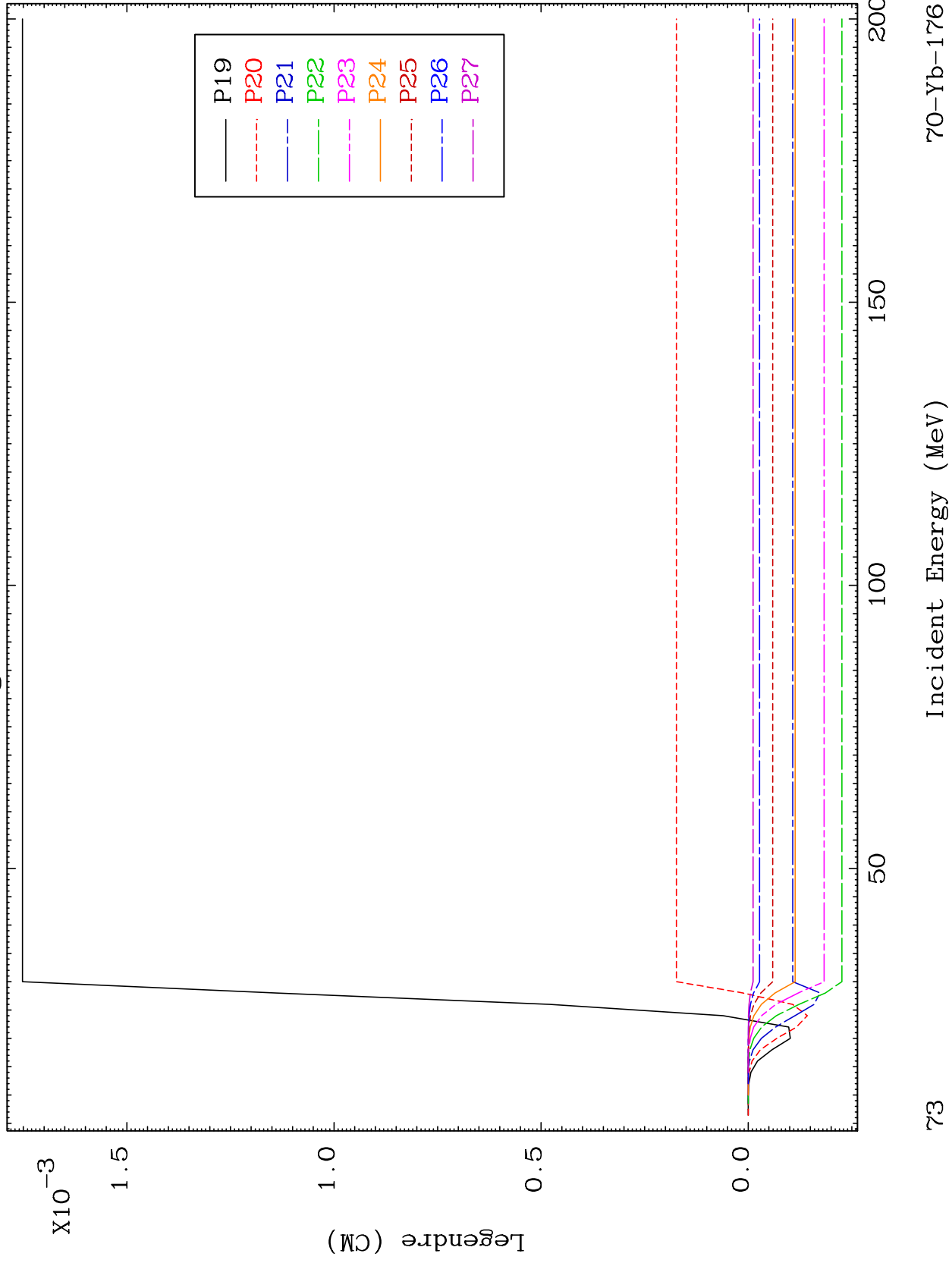
Incident Energy (MeV)

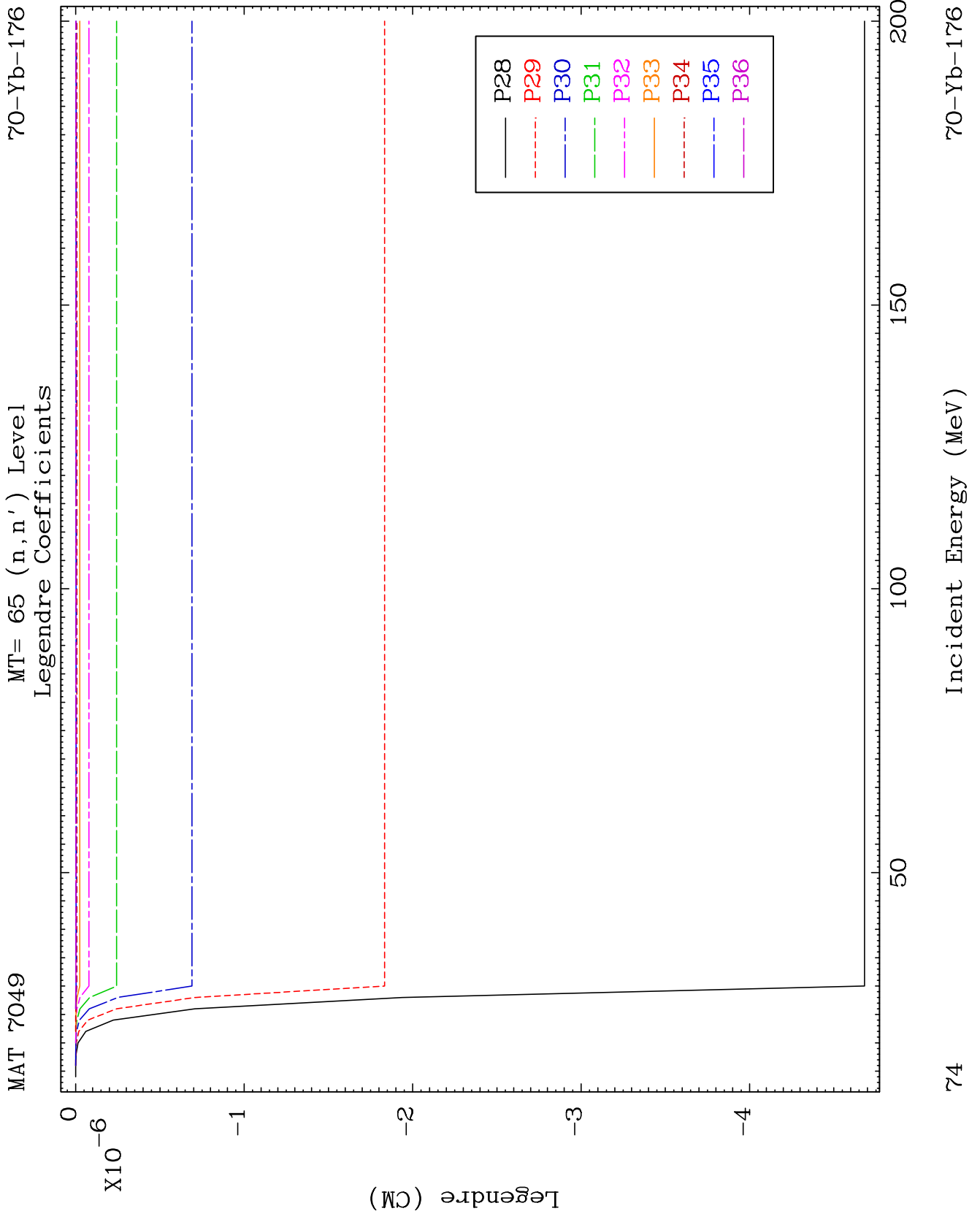
72

MAT 7049

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

70-Yb-176

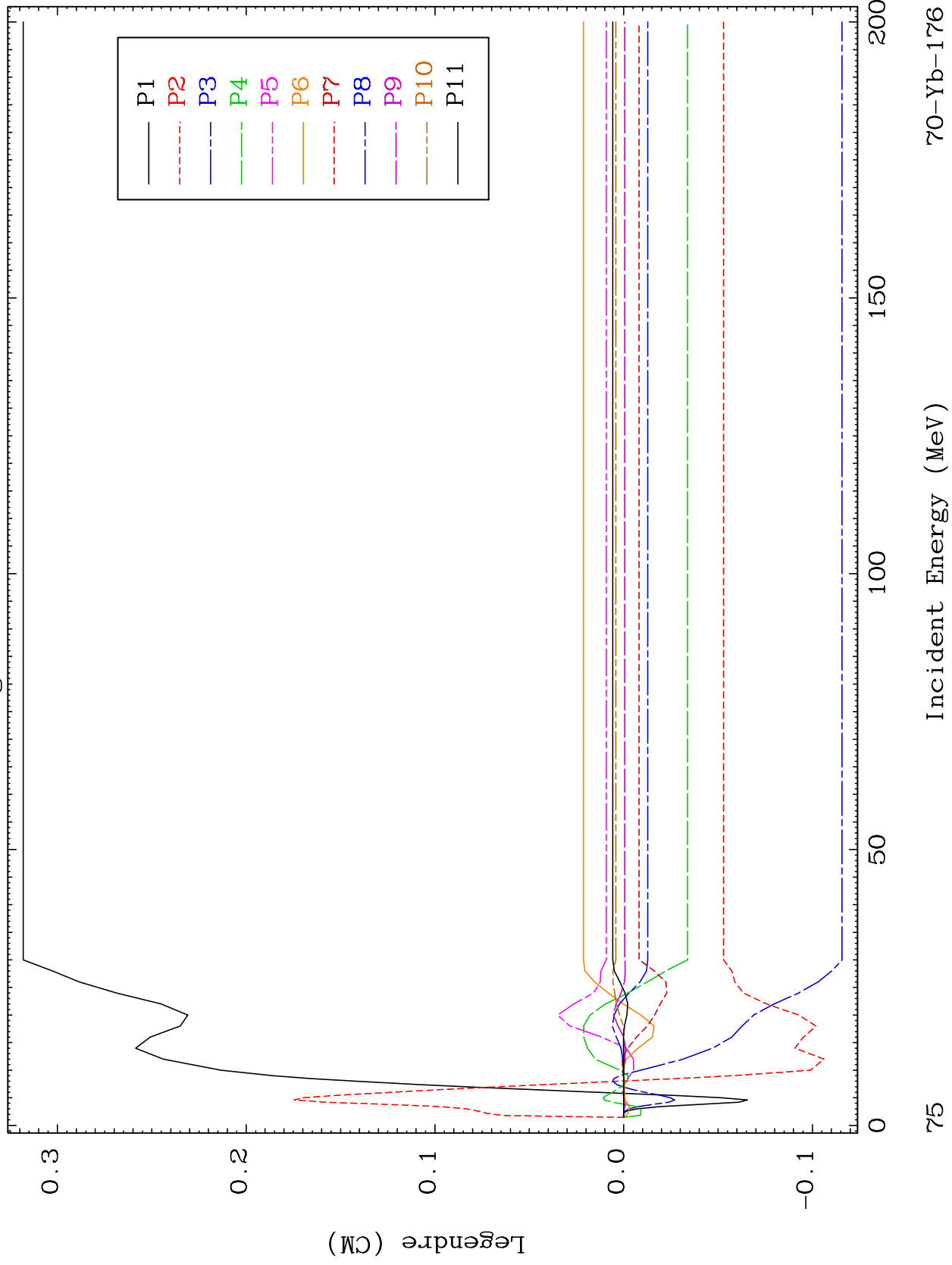




MAT 7049

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

70-Yb-176



70-Yb-176

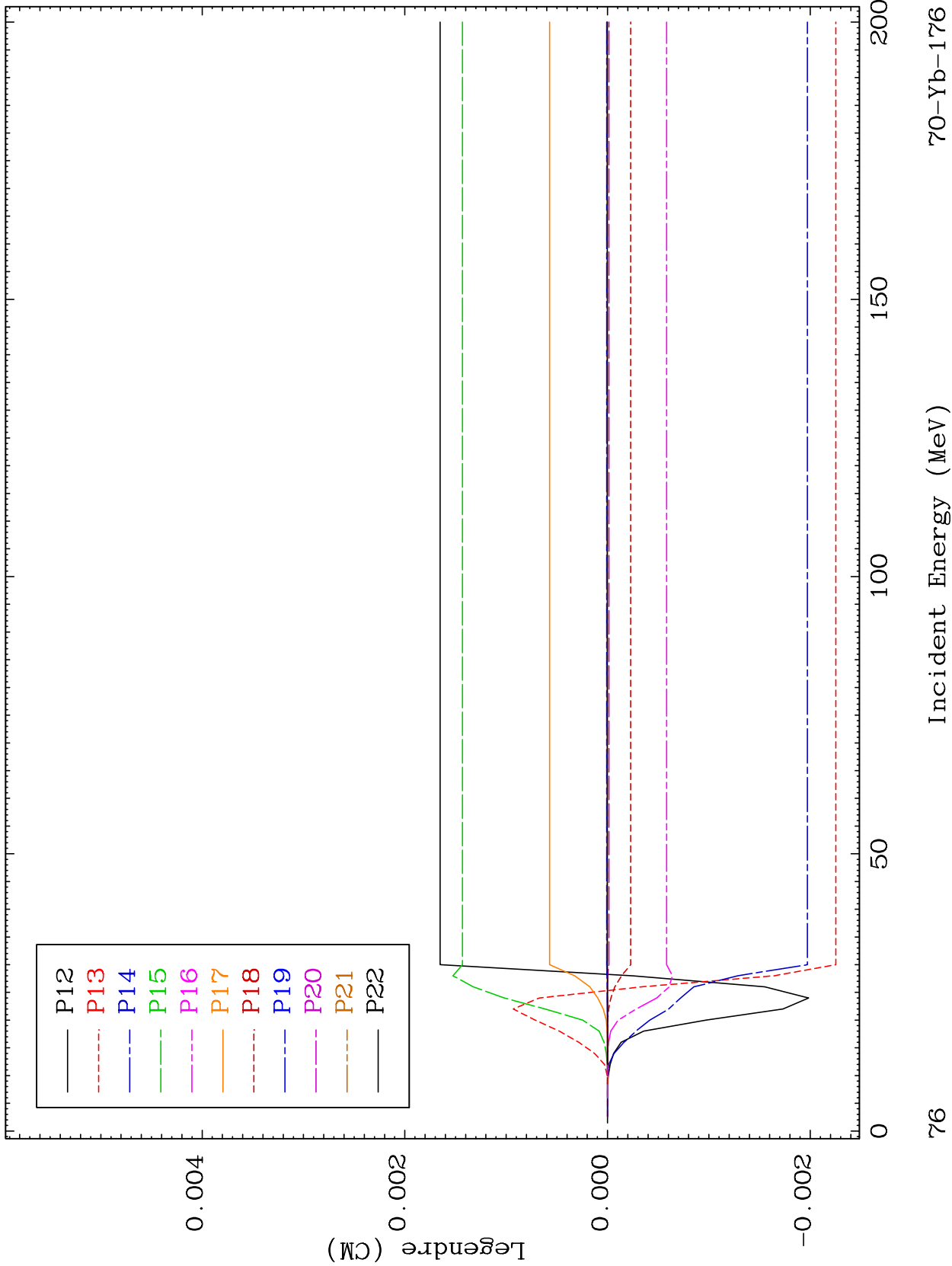
Incident Energy (MeV)

75

MAT 7049

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

70-Yb-176



76

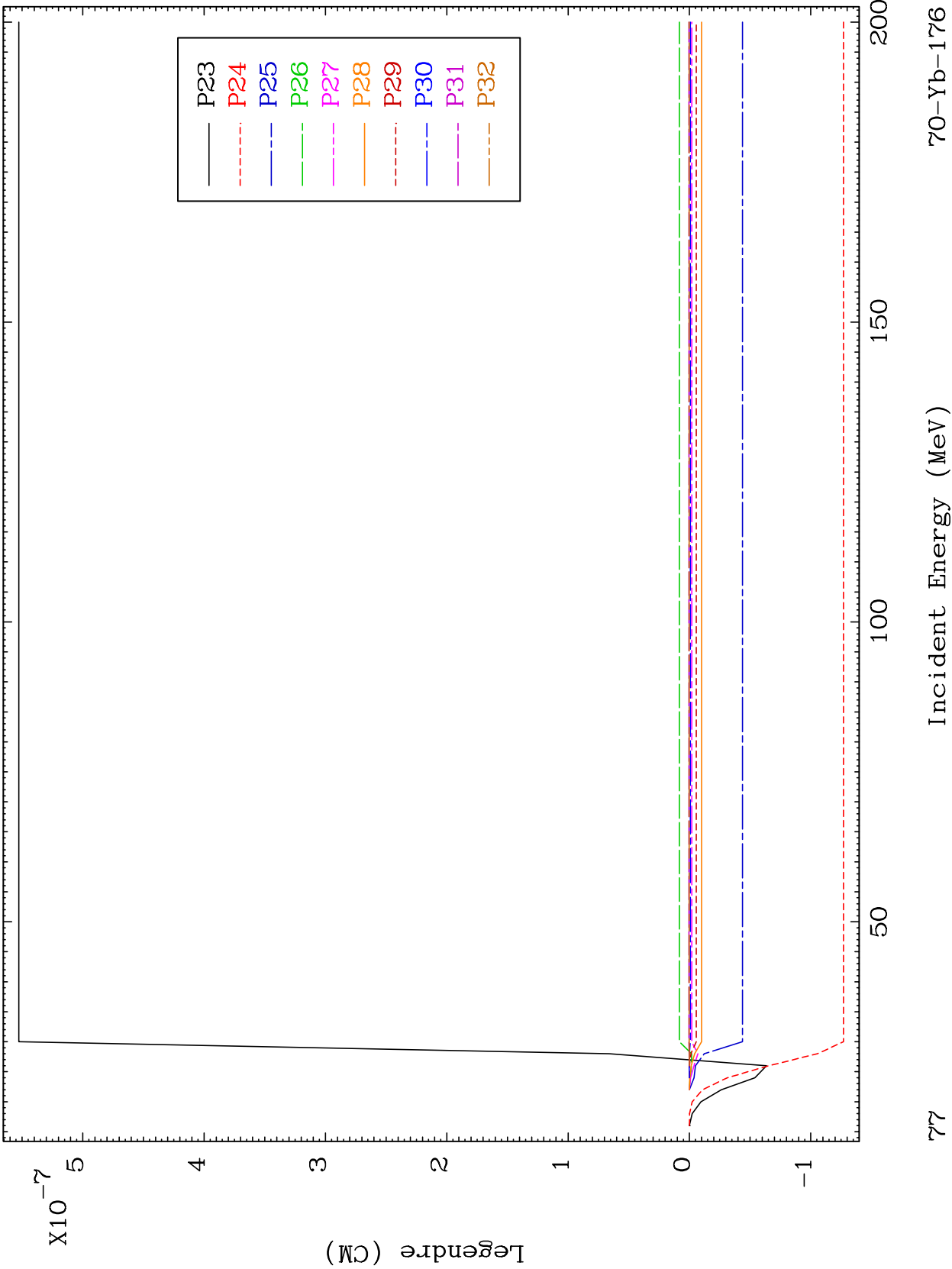
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

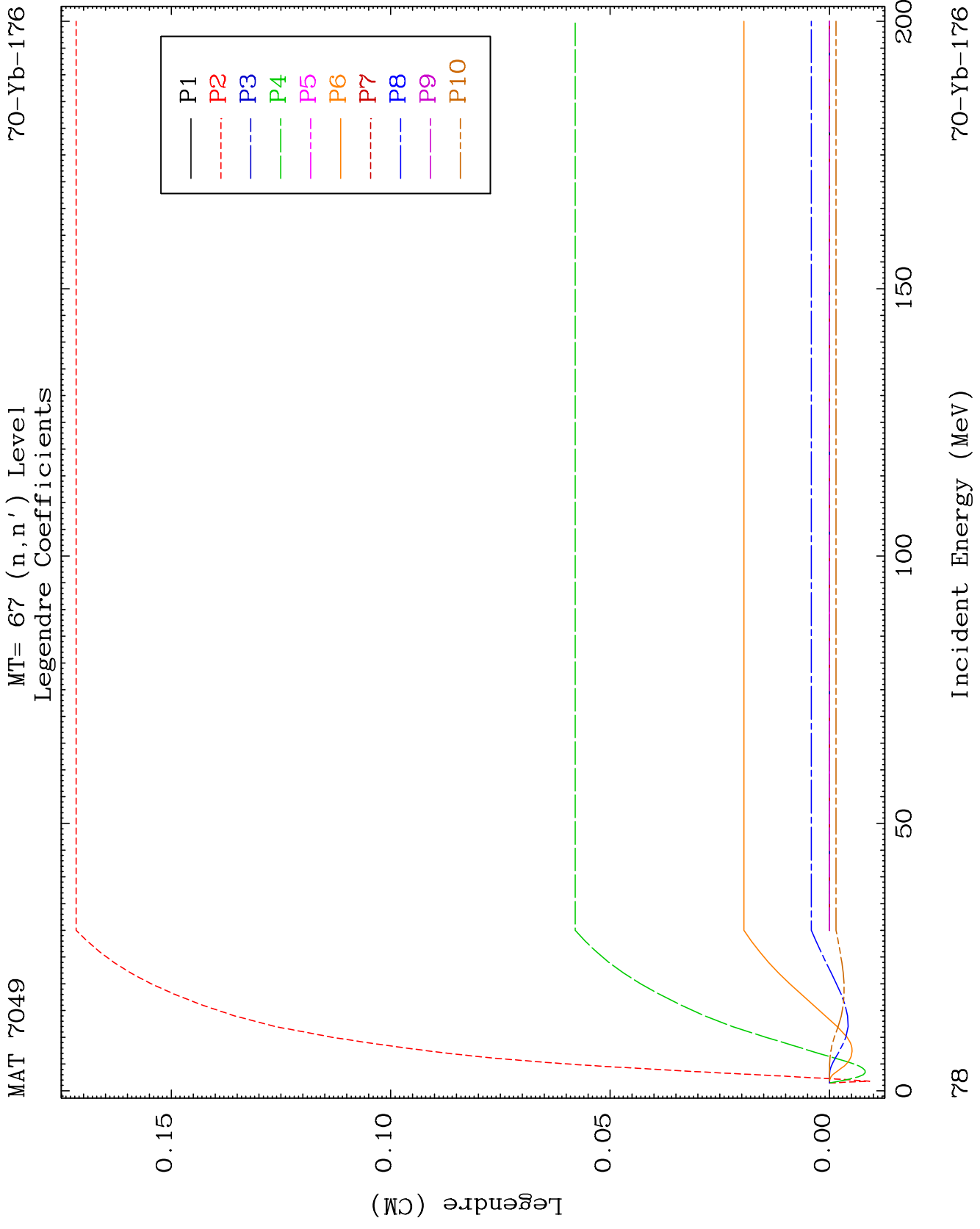
70-Yb-176



77

Incident Energy (MeV)

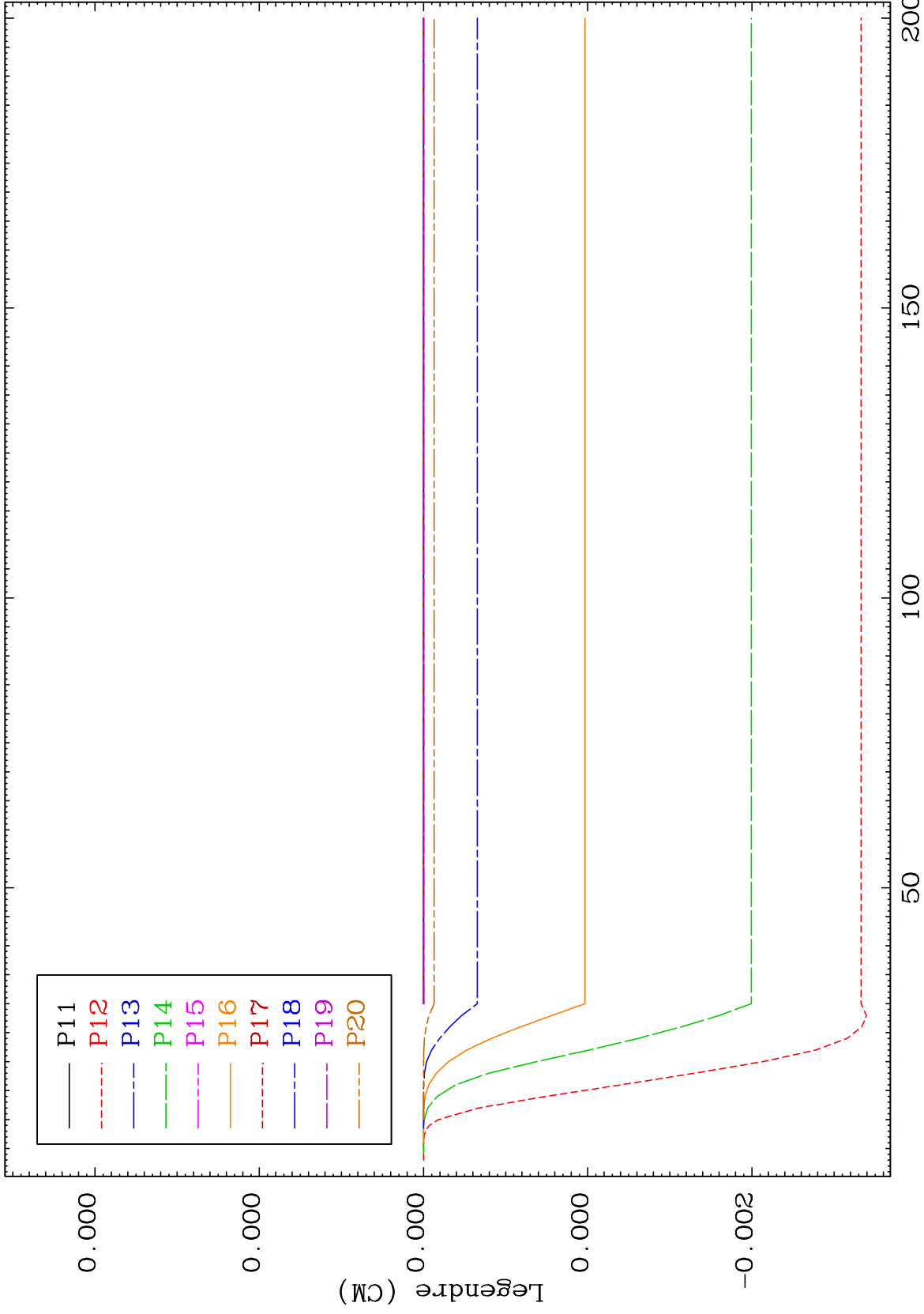
70-Yb-176



MAT 7049

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

70-Yb-176

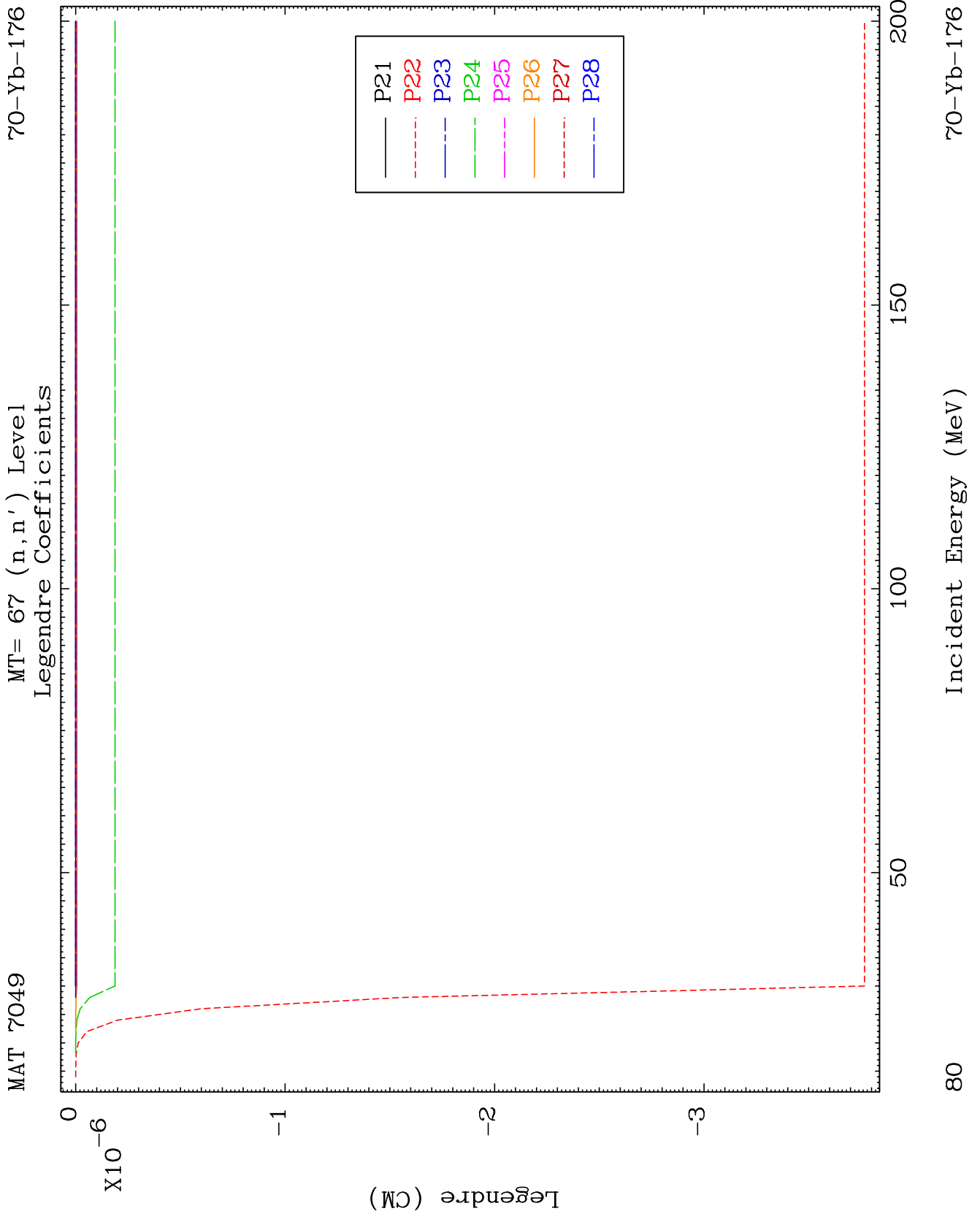


79

Incident Energy (MeV)

70-Yb-176

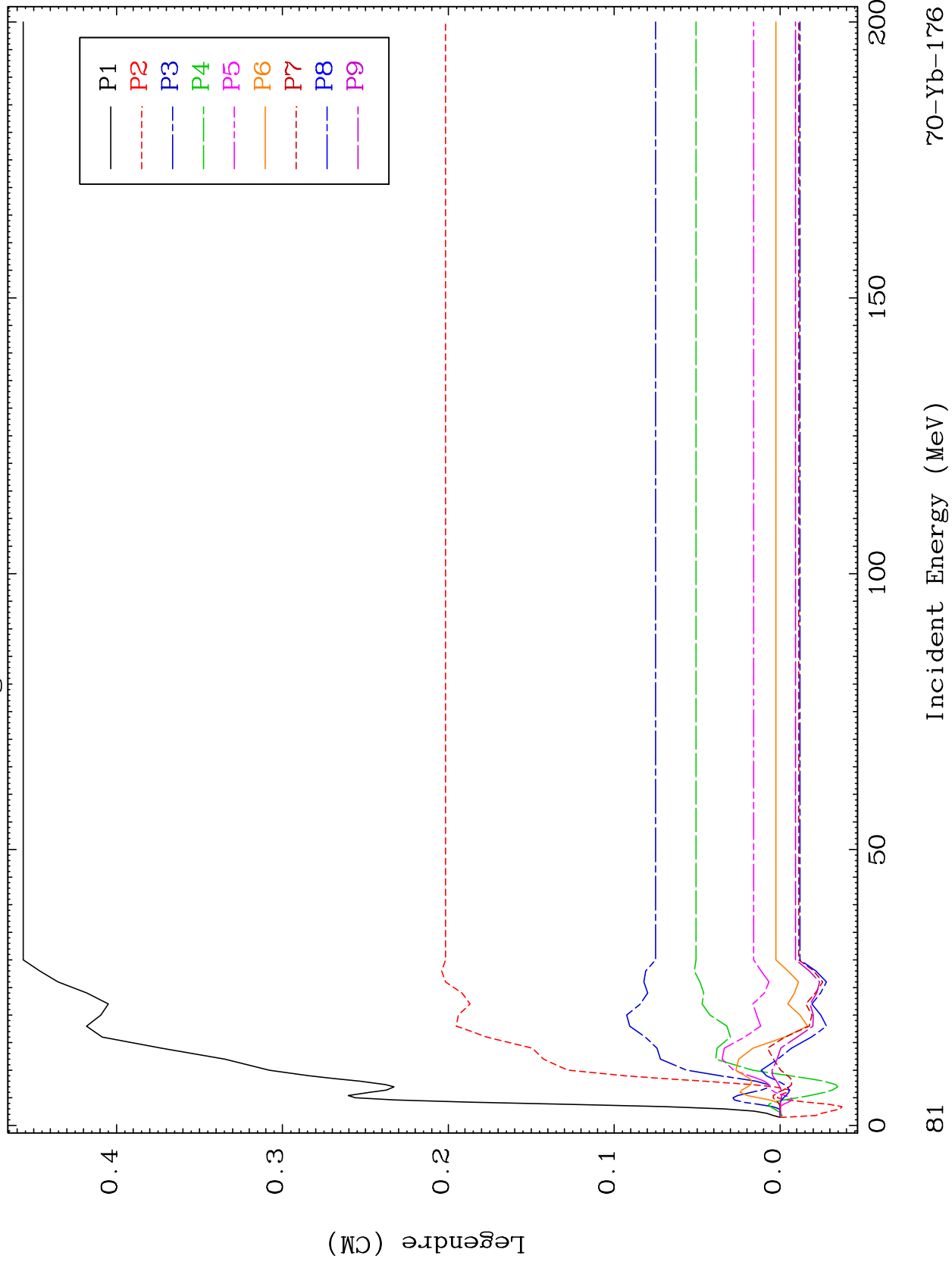




MAT 7049

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

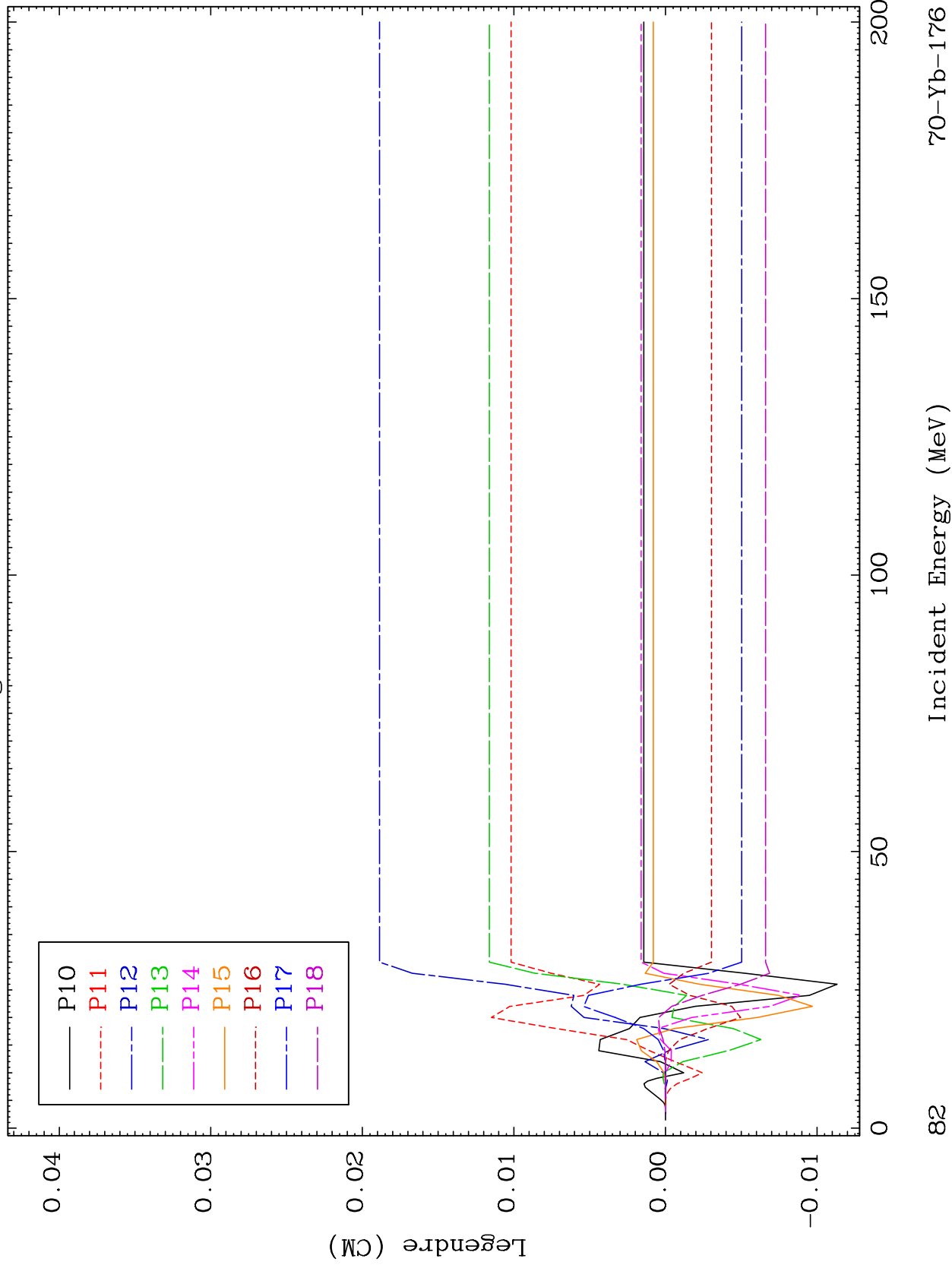
70-Yb-176



MAT 7049

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

70-Yb-176



70-Yb-176

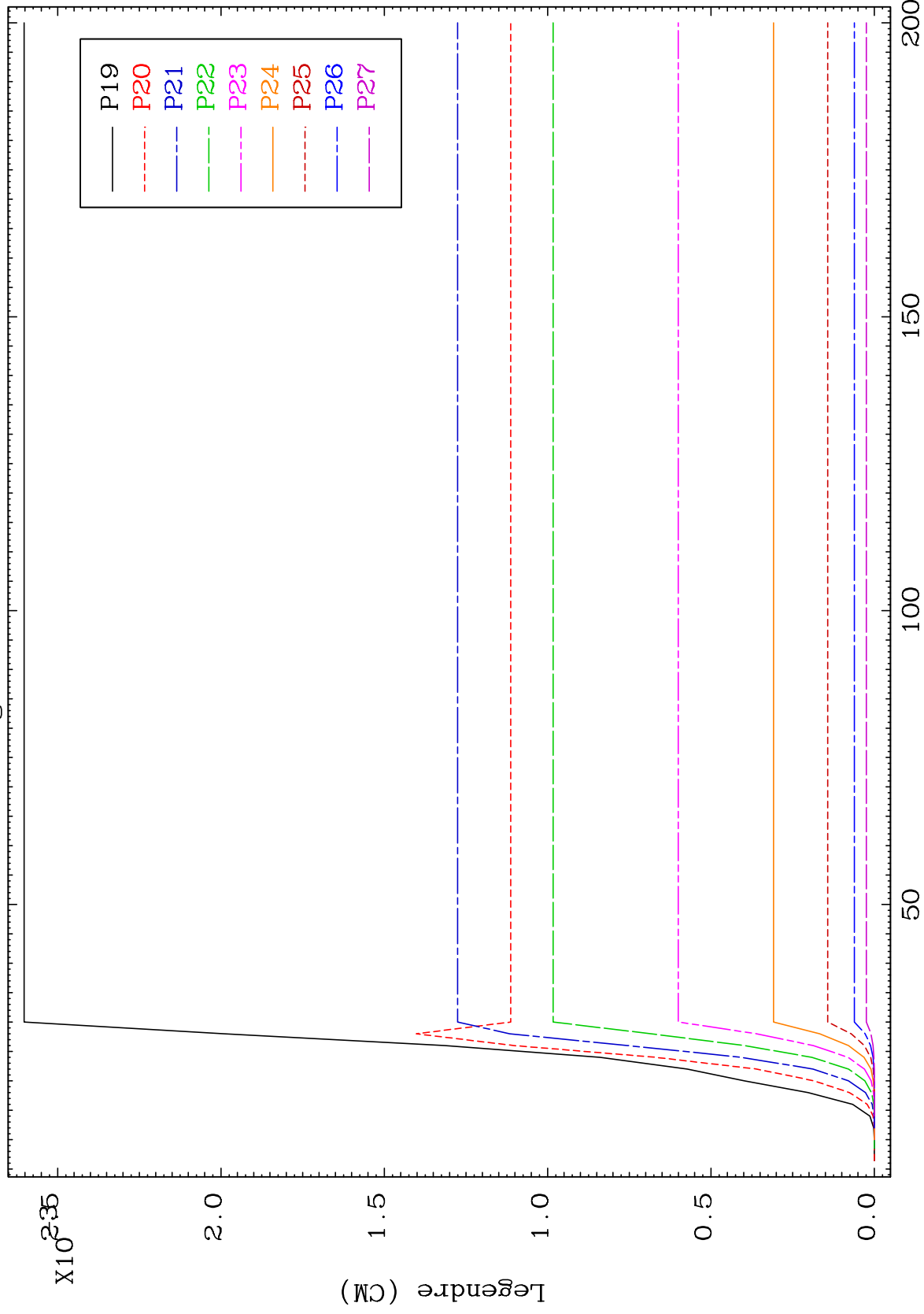
Incident Energy (MeV)

82

MAT 7049

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

70-Yb-176



83

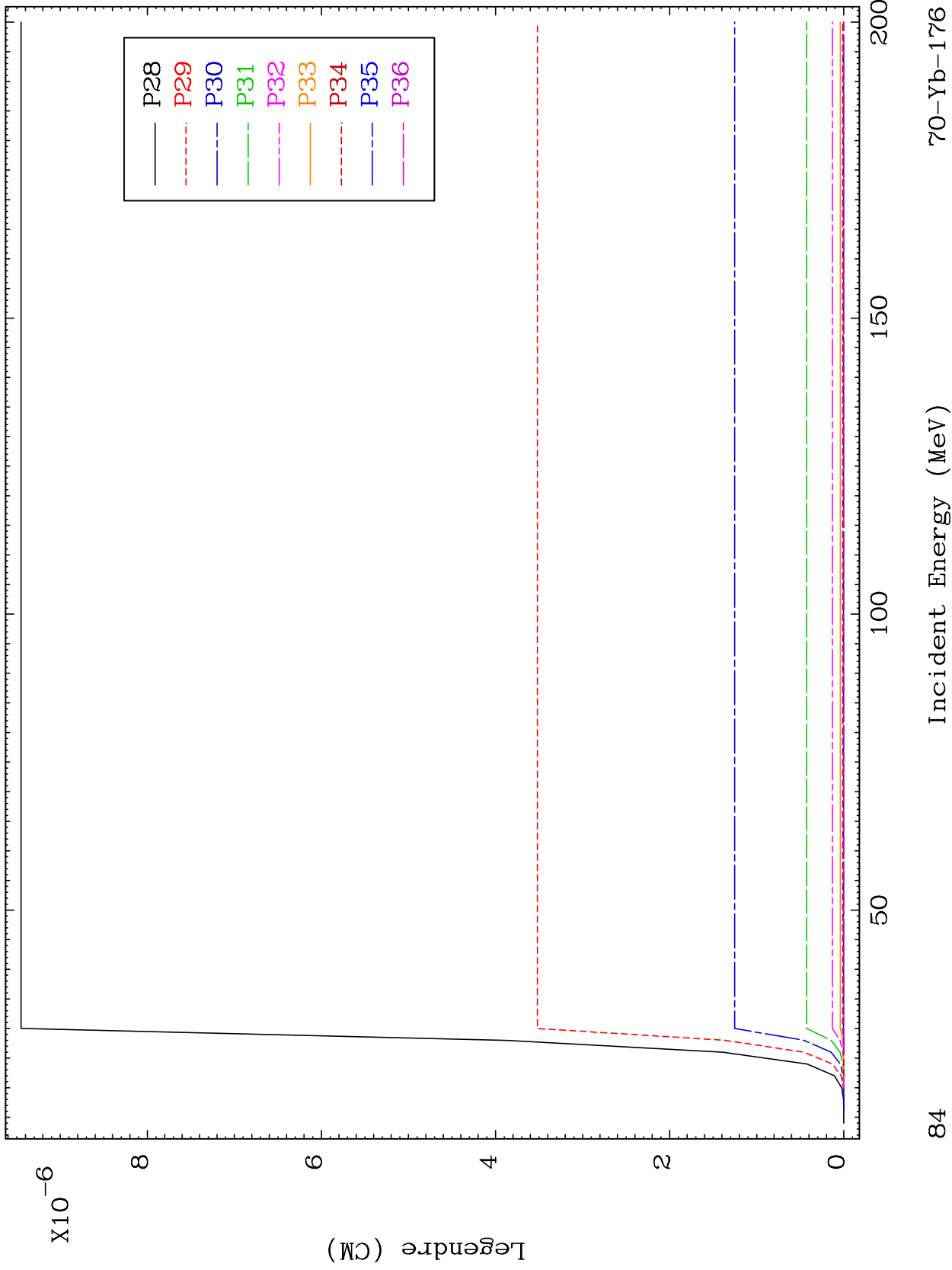
Incident Energy (MeV)

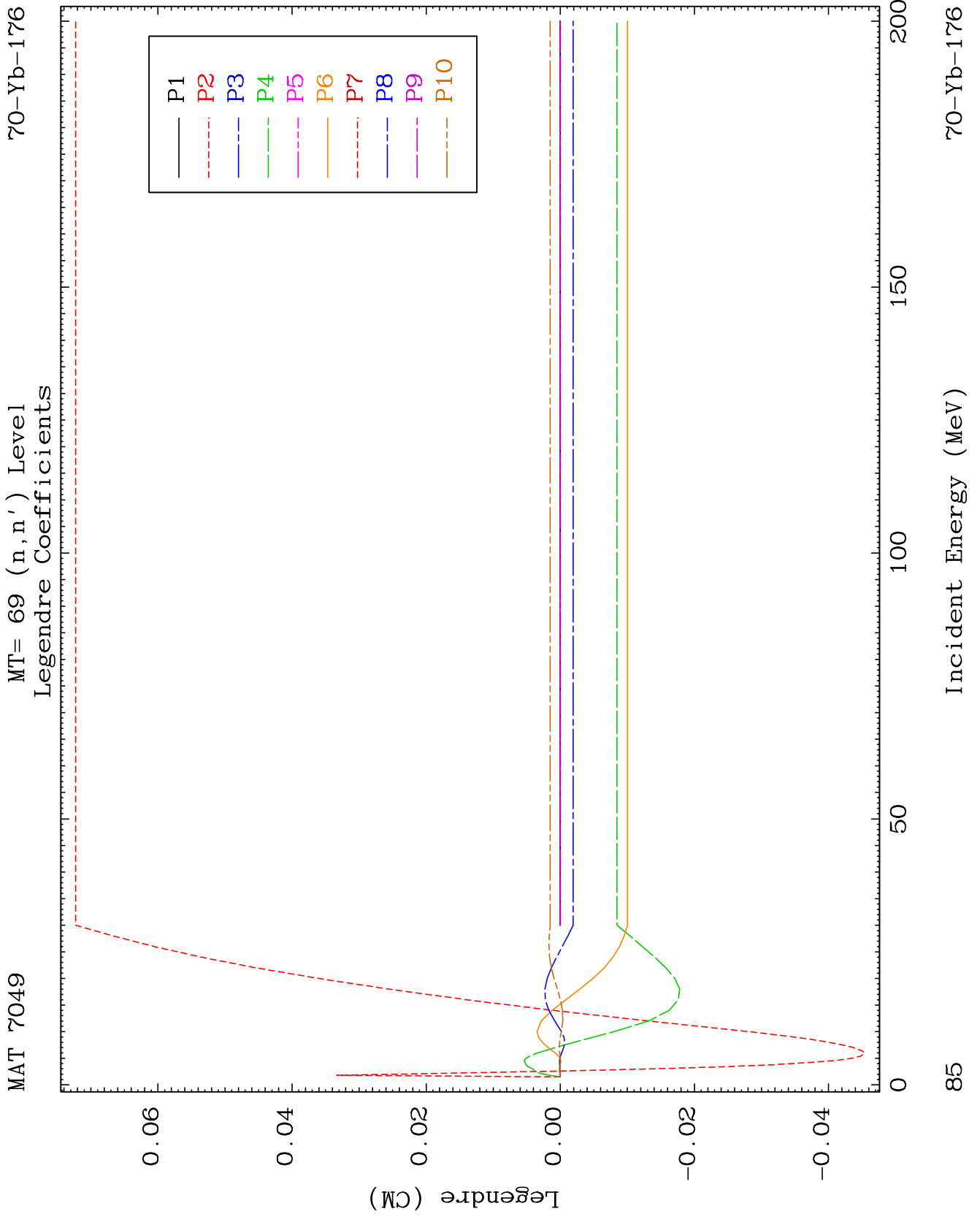
70-Yb-176

MAT 7049

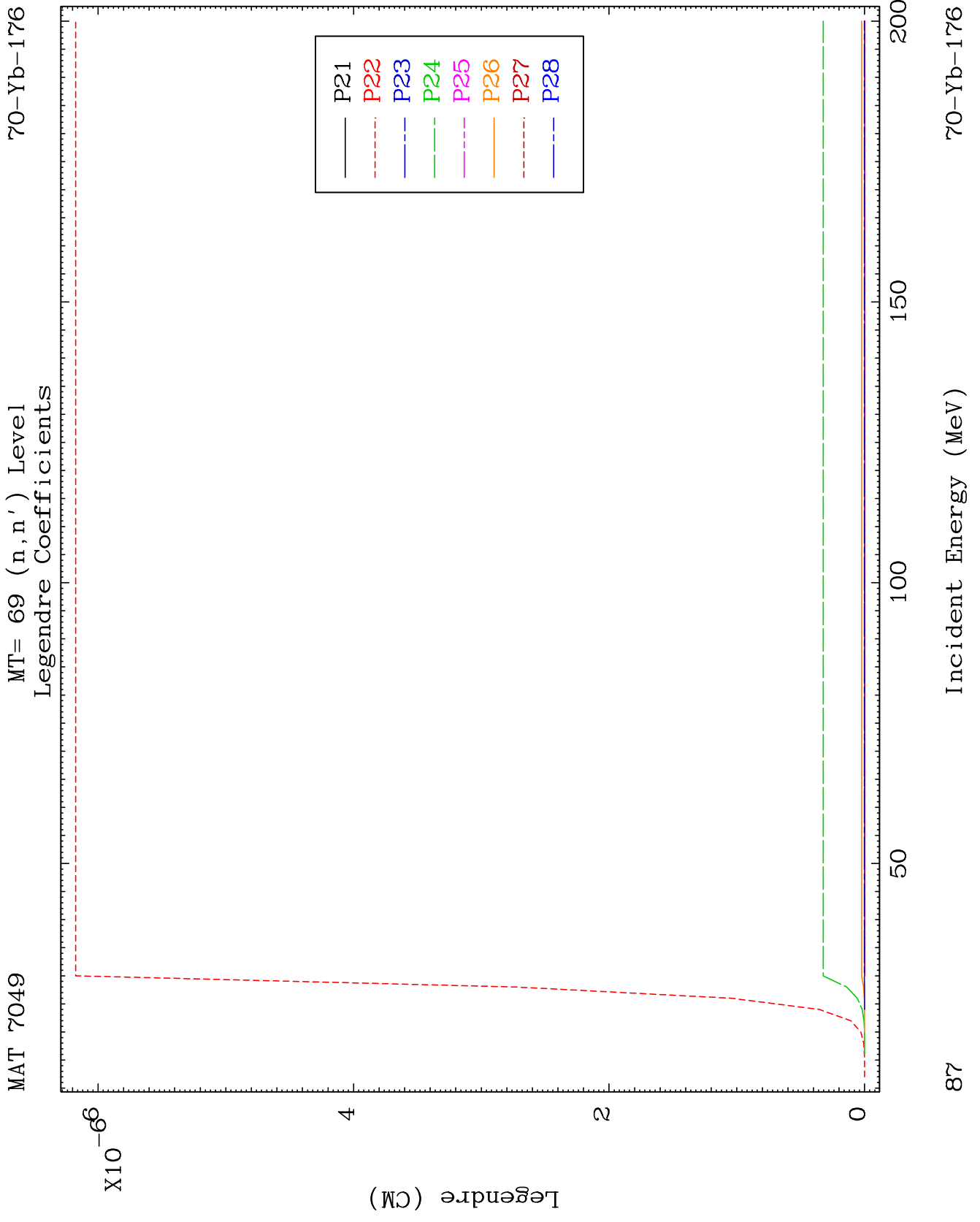
MT= 68 (n,n') Level  
Legendre Coefficients

70-Yb-176







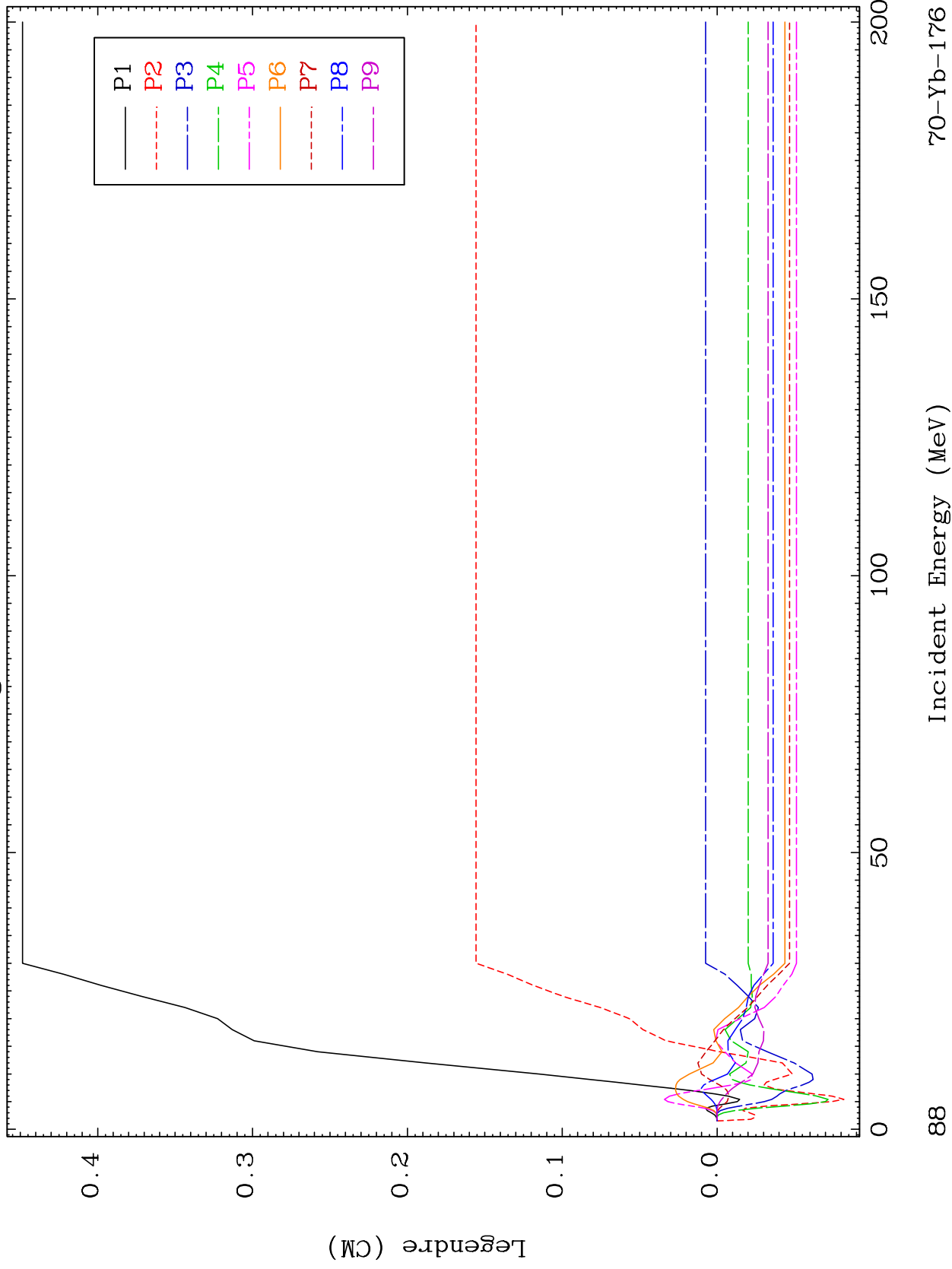




MAT 7049

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

70-Yb-176



88

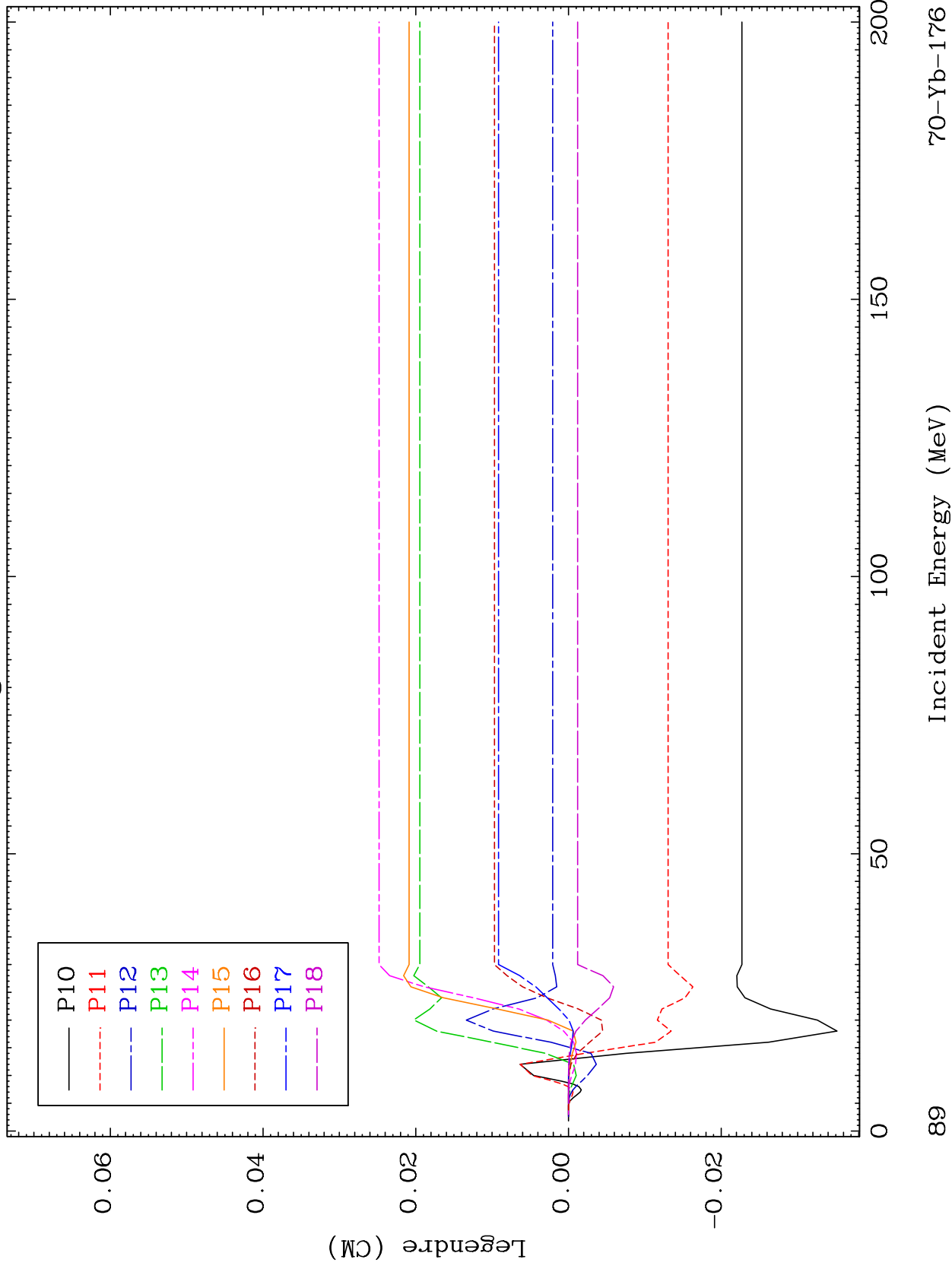
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



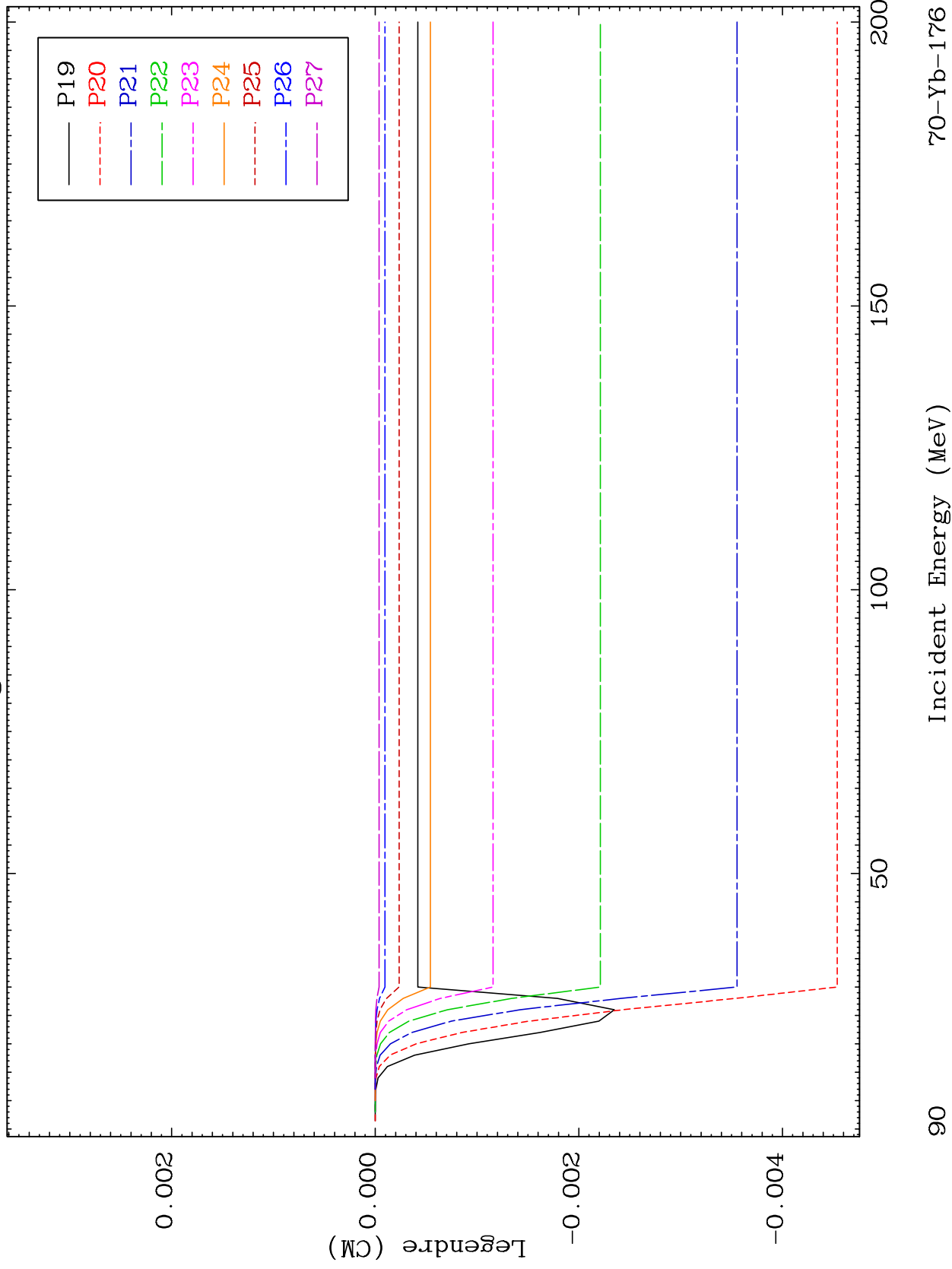
70-Yb-176

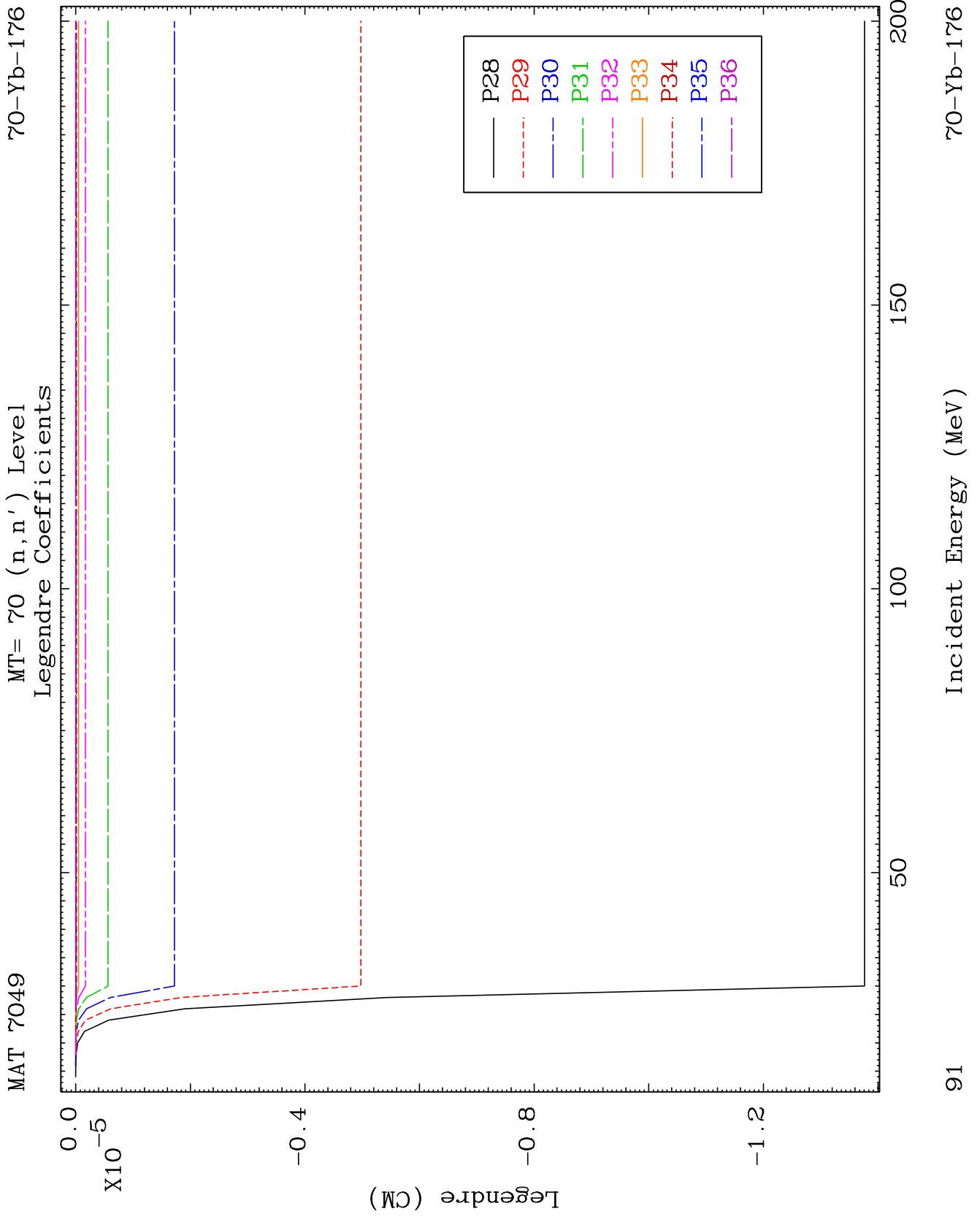
Incident Energy (MeV)

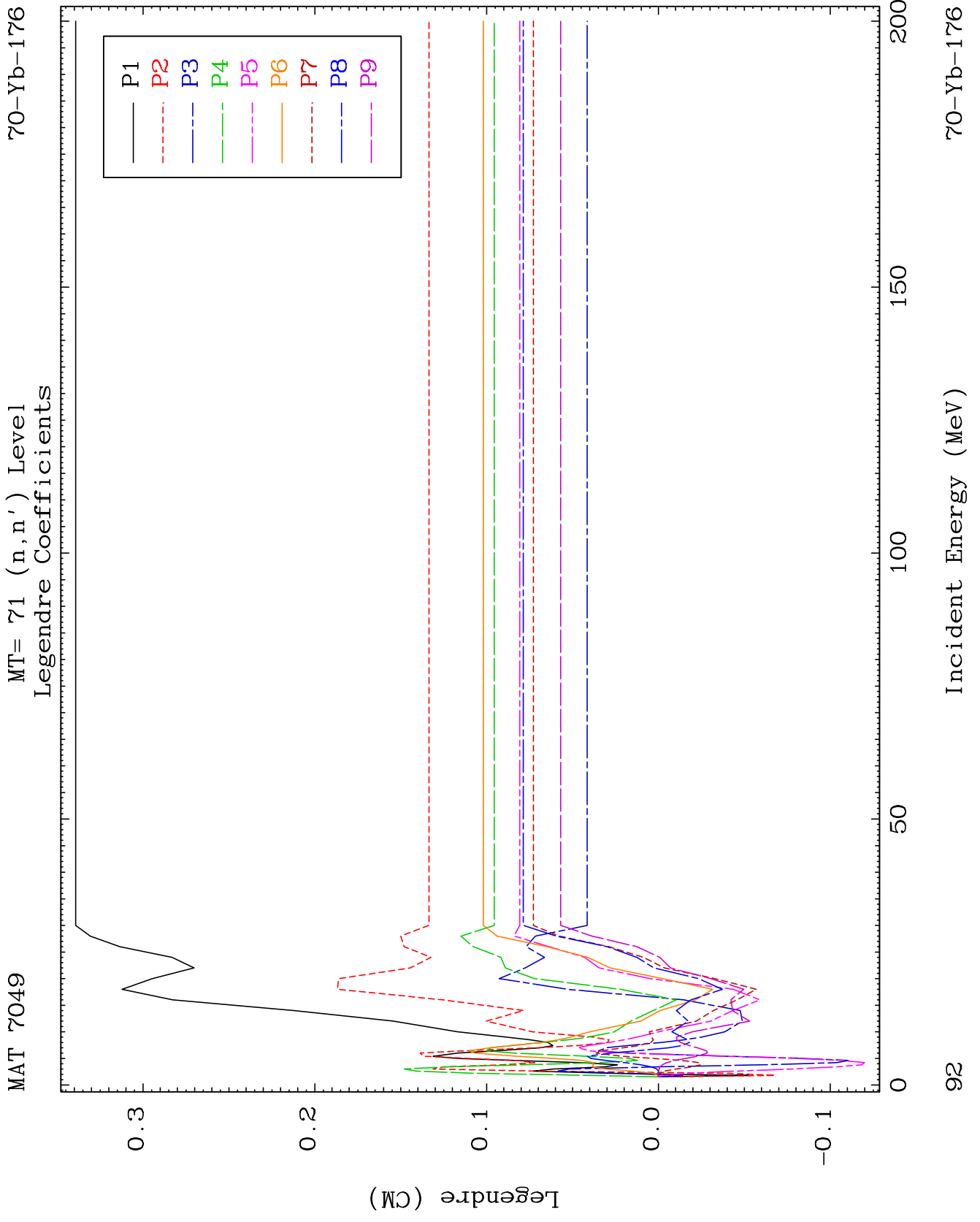
MAT 7049

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

70-Yb-176



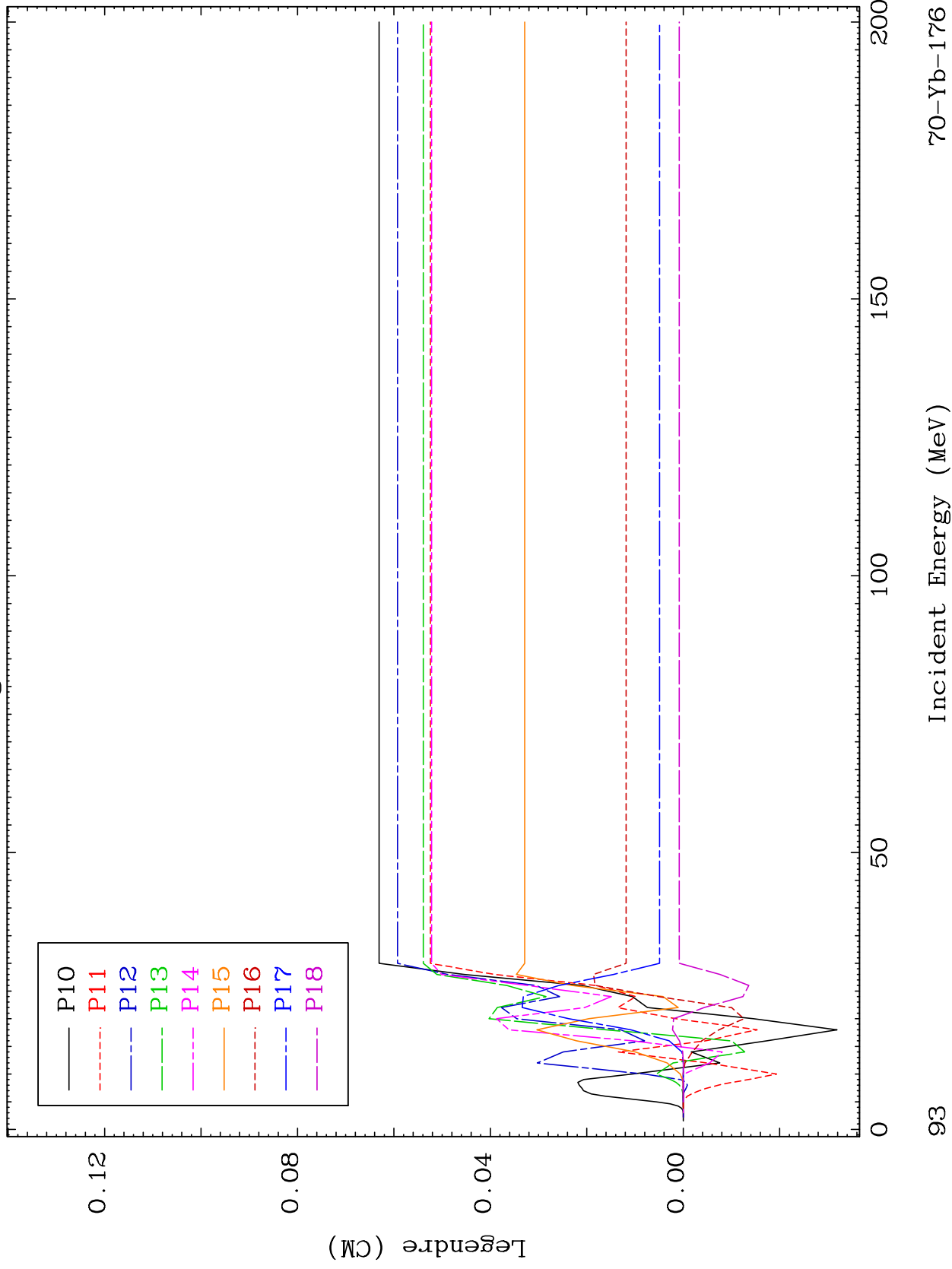




MAT 7049

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

70-Yb-176



93

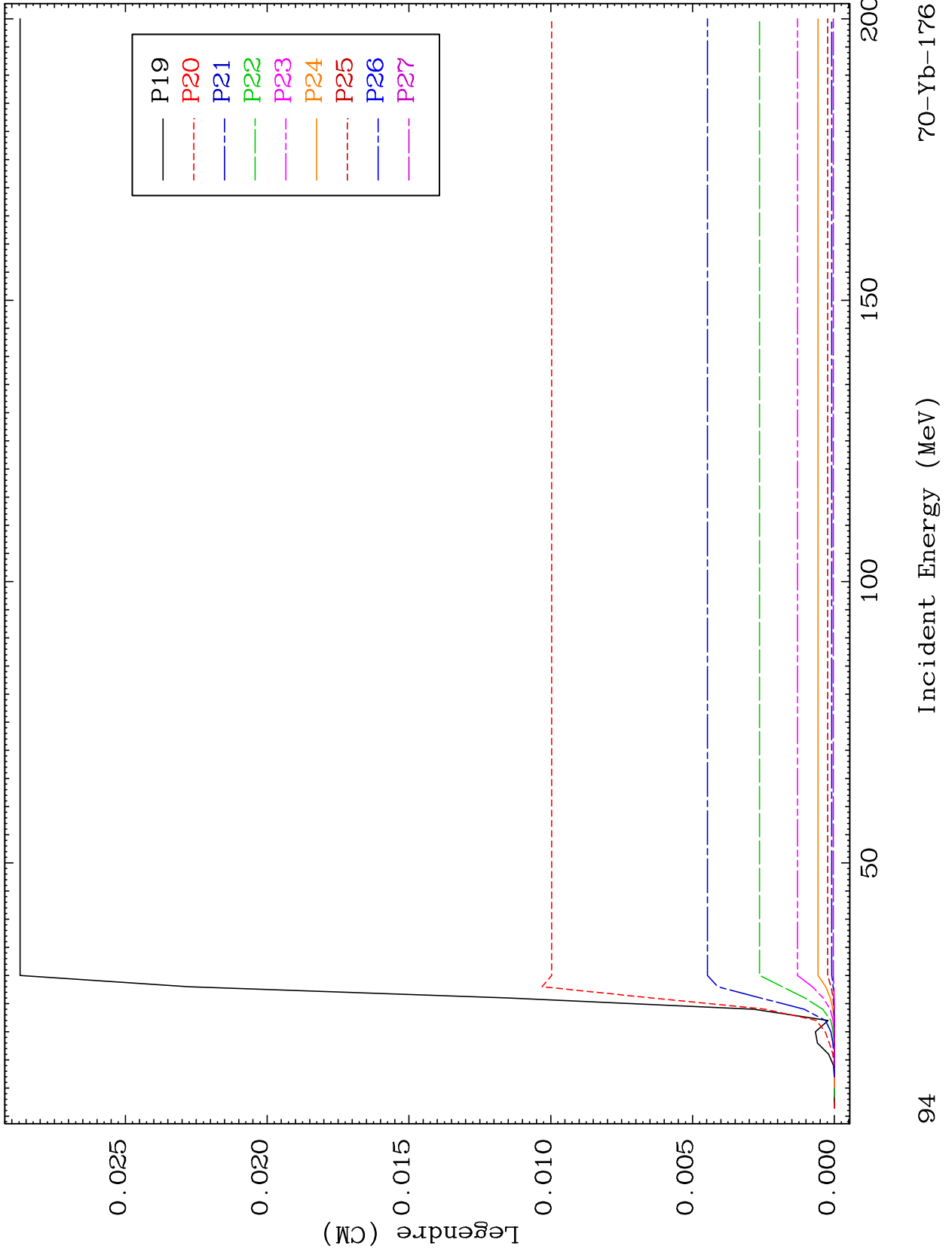
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



94

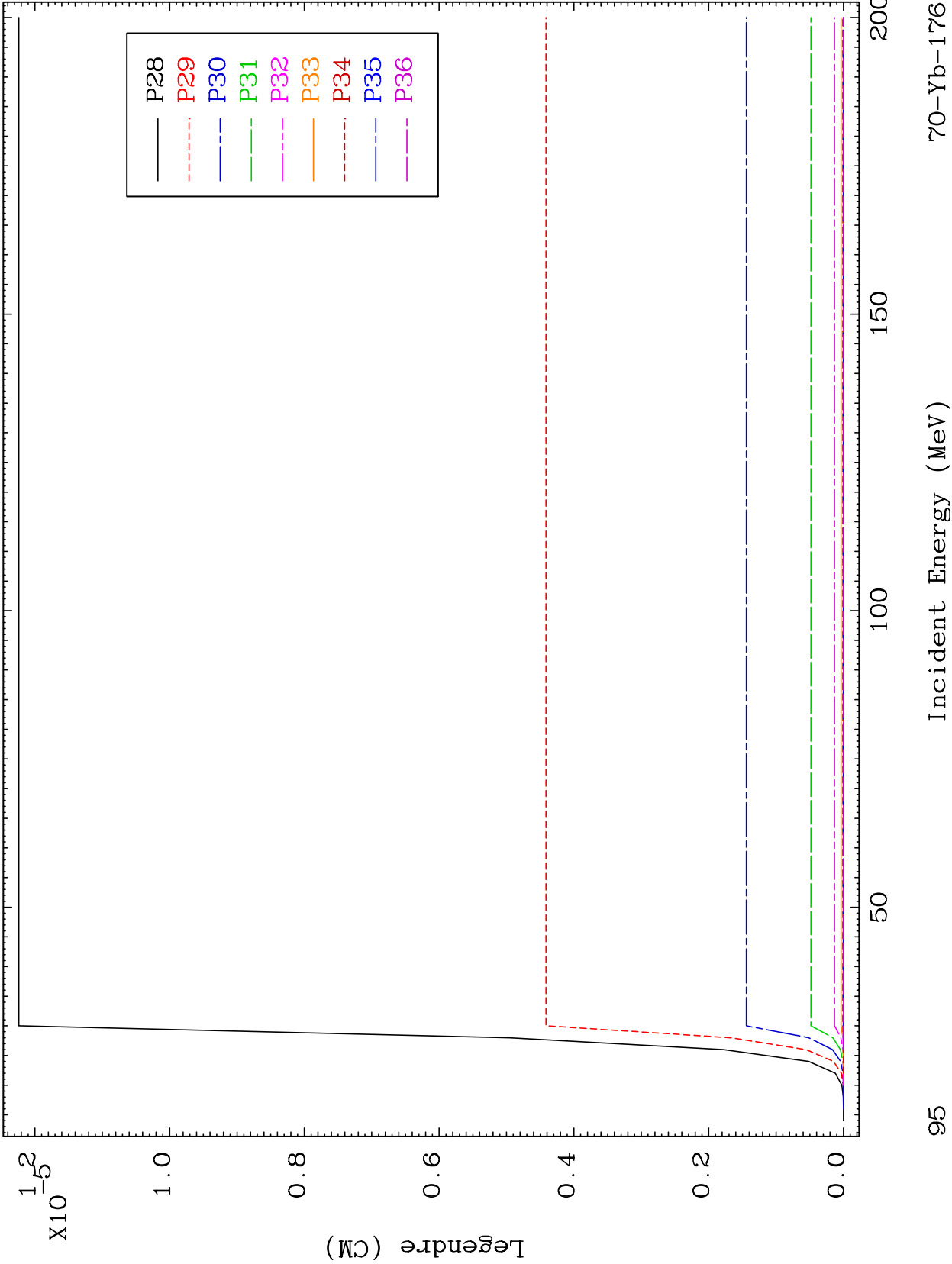
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



95

Incident Energy (MeV)

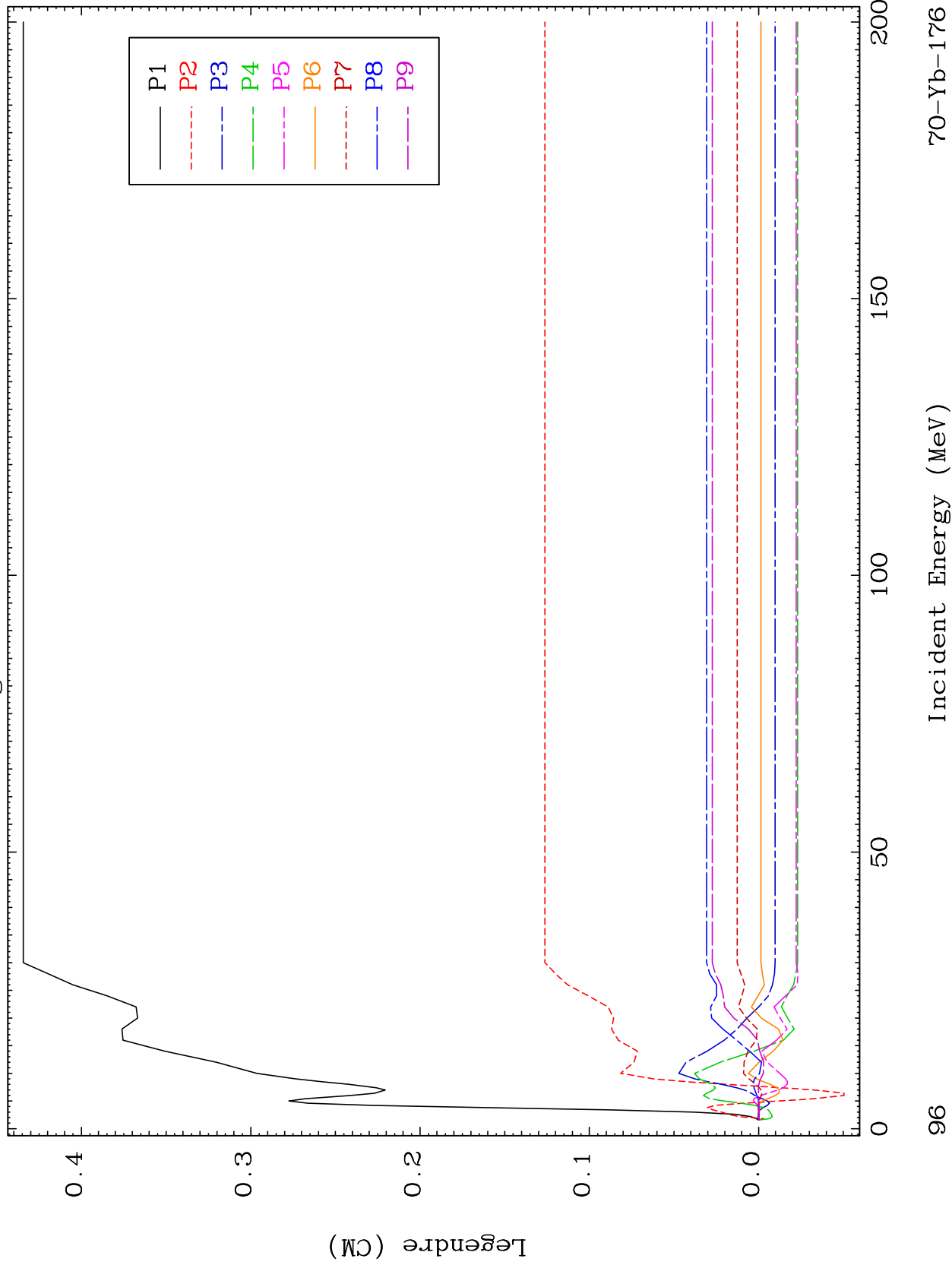
70-Yb-176



MAT 7049

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

70-Yb-176



96

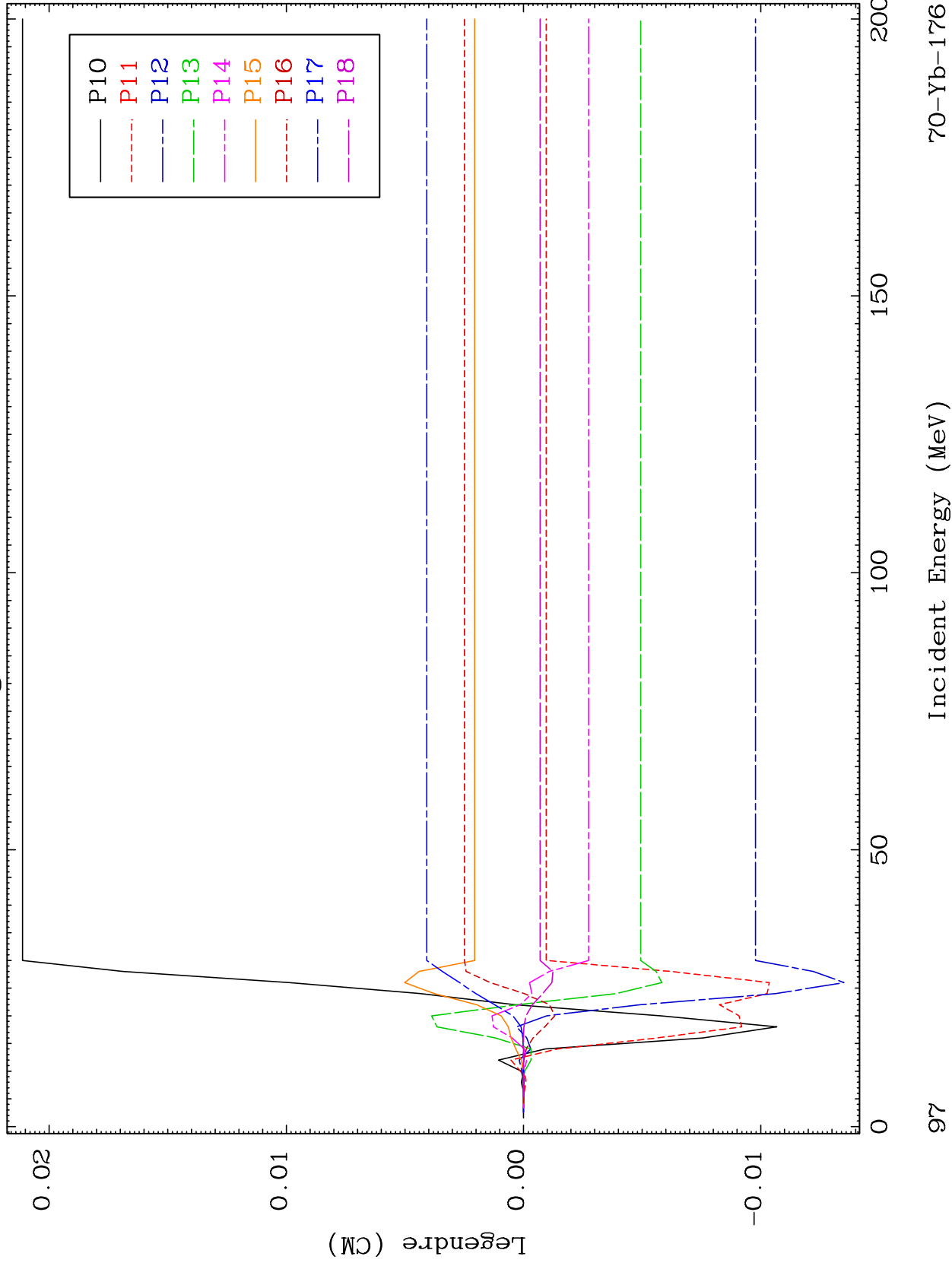
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

70-Yb-176



70-Yb-176

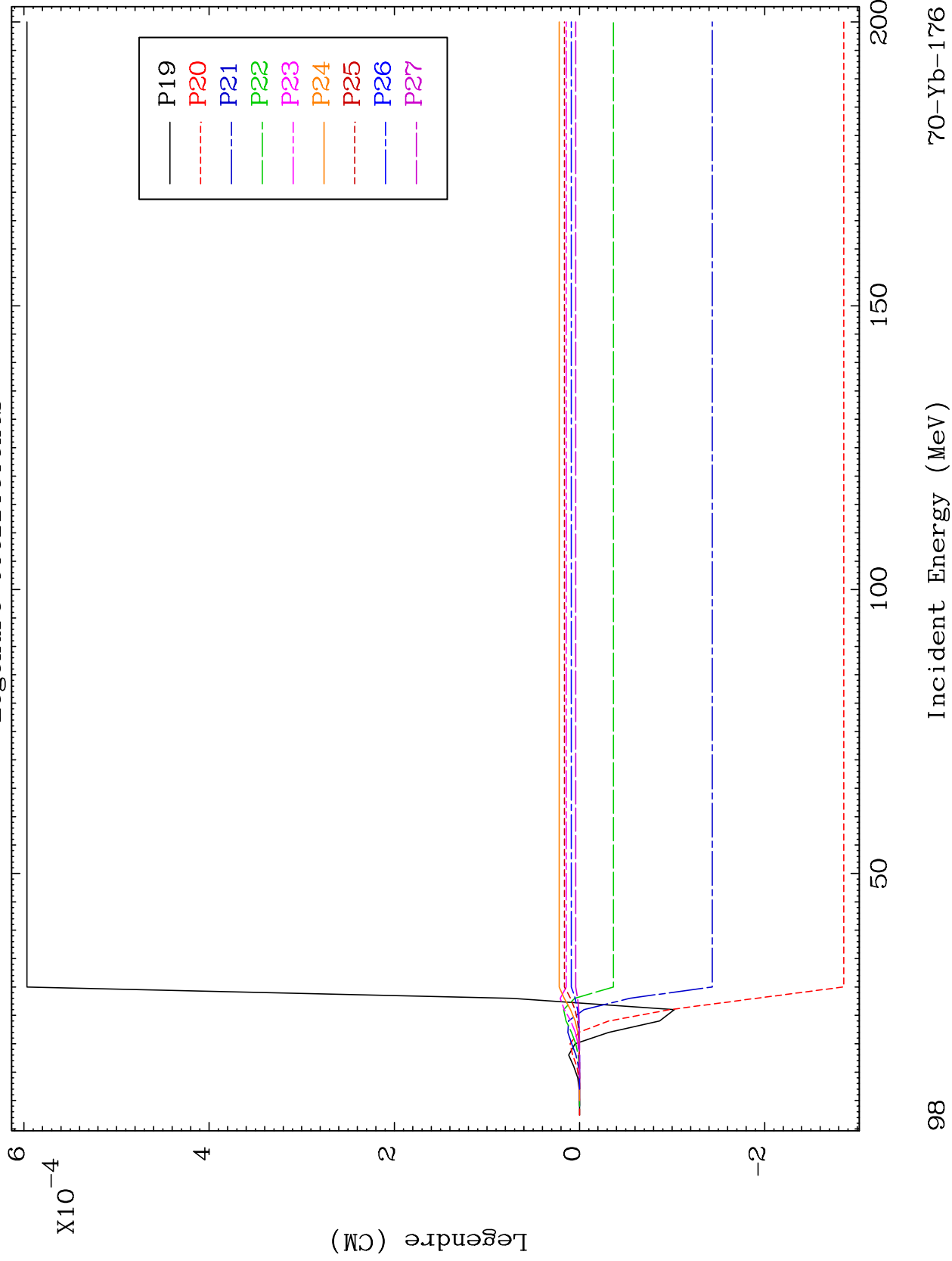
Incident Energy (MeV)

97

MAT 7049

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

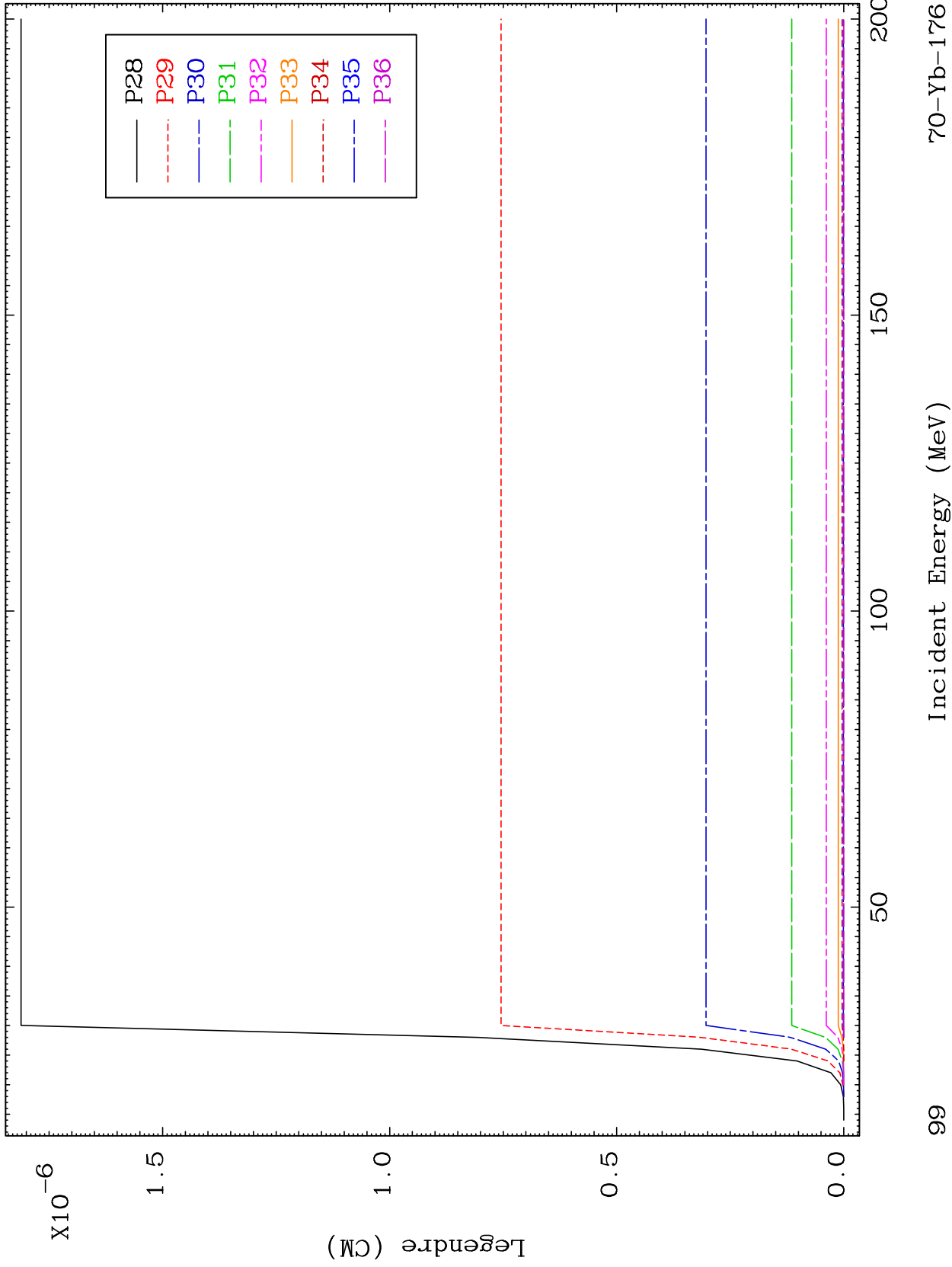
70-Yb-176



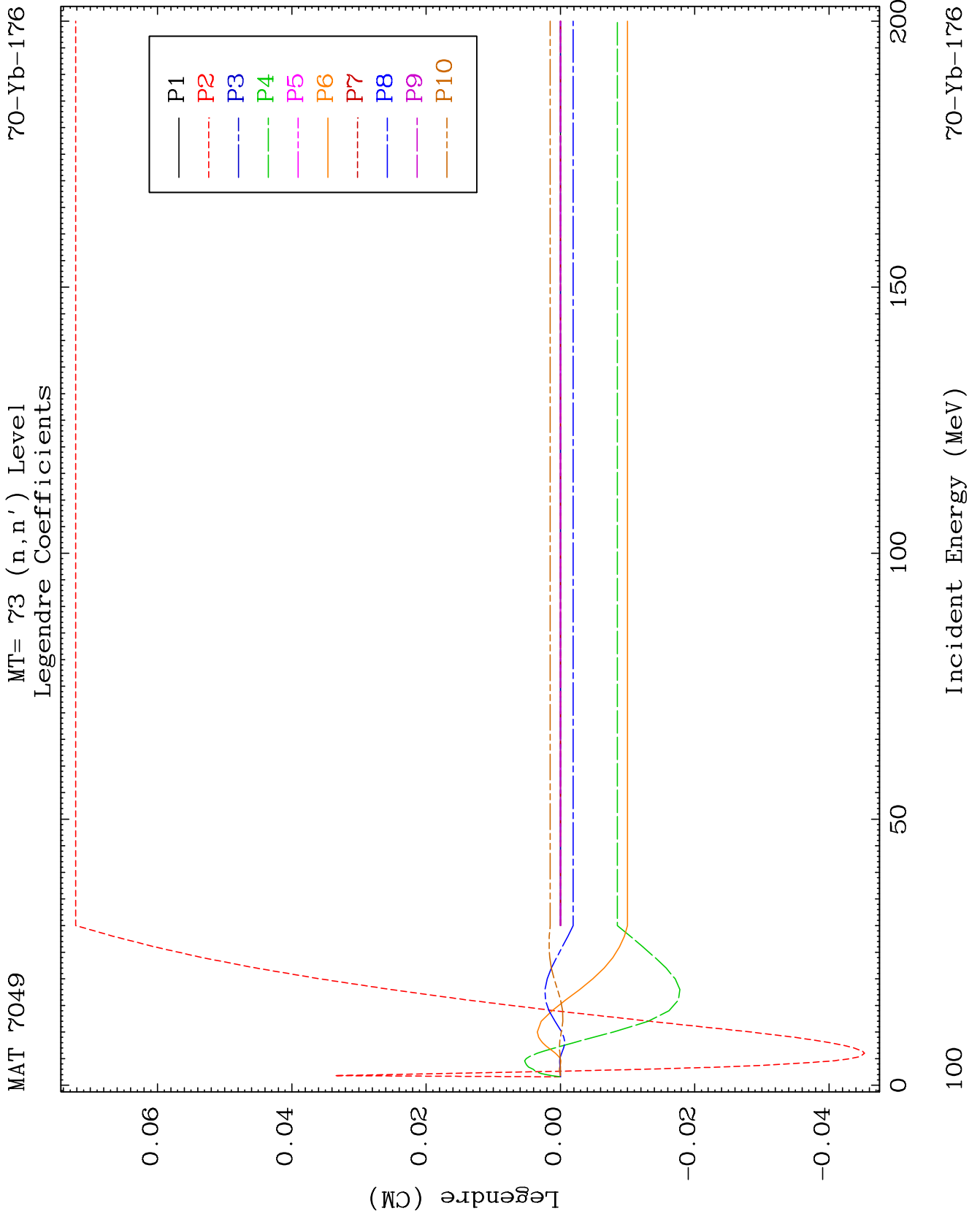
MAT 7049

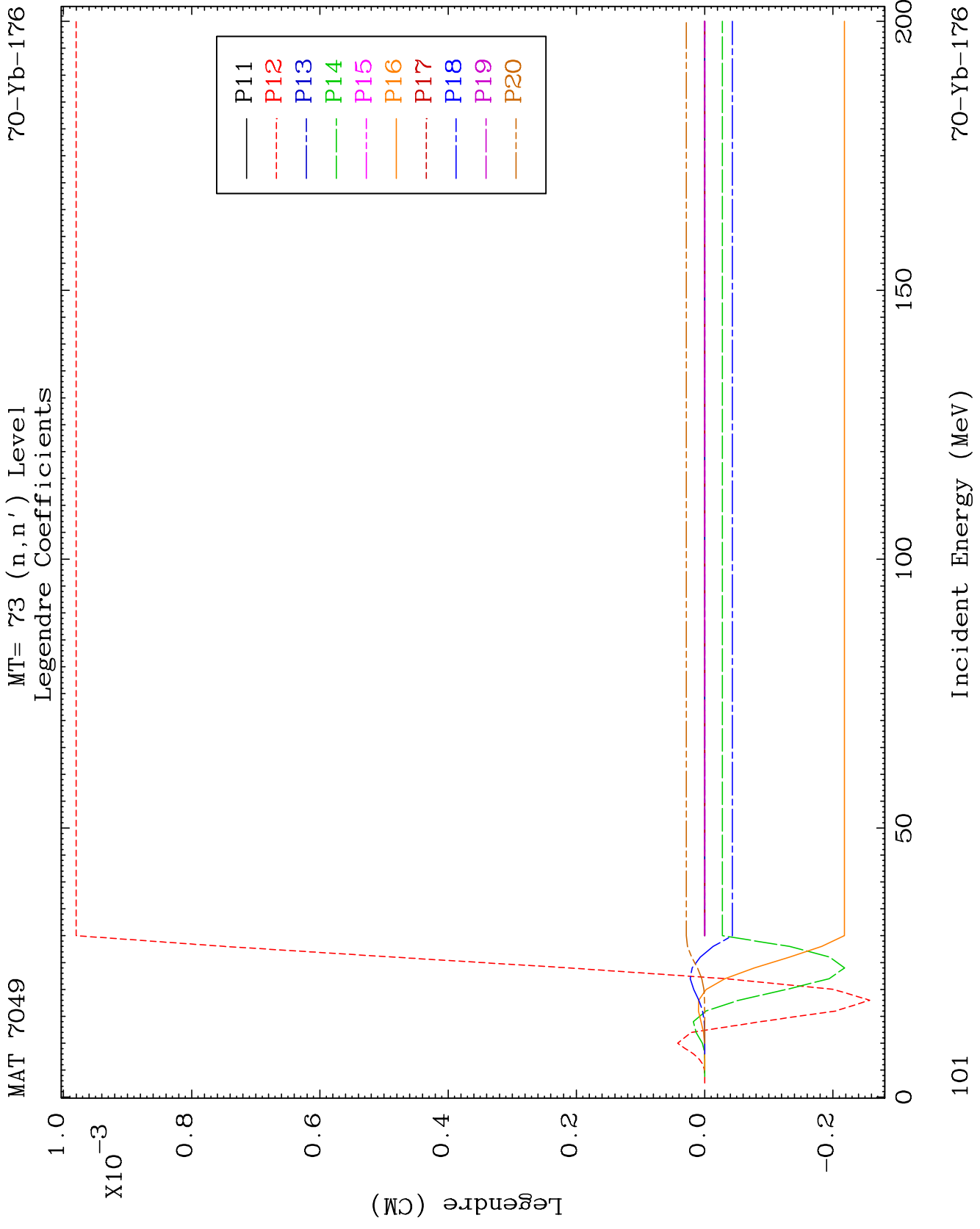
MT= 72 (n,n') Level  
Legendre Coefficients

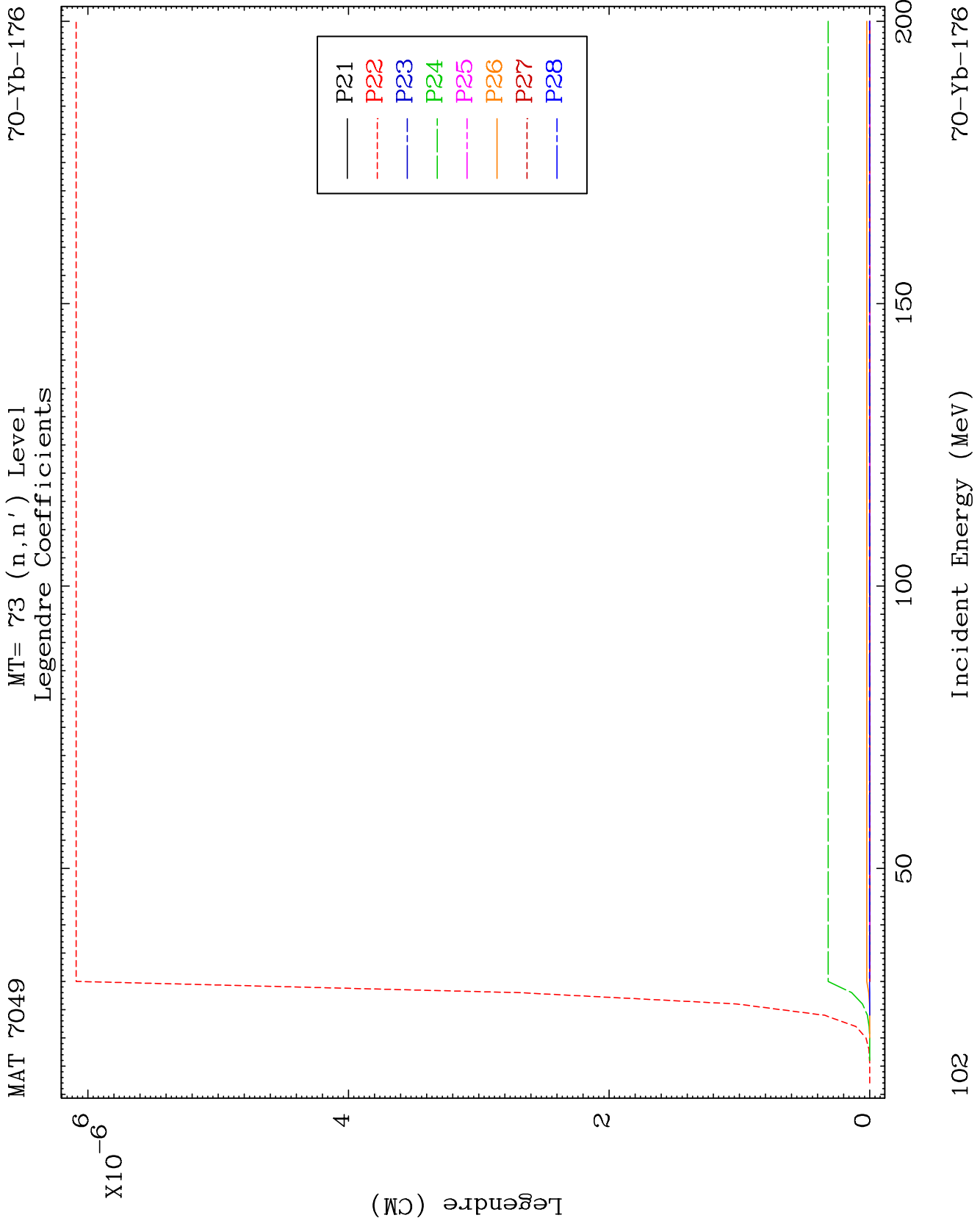
70-Yb-176



99



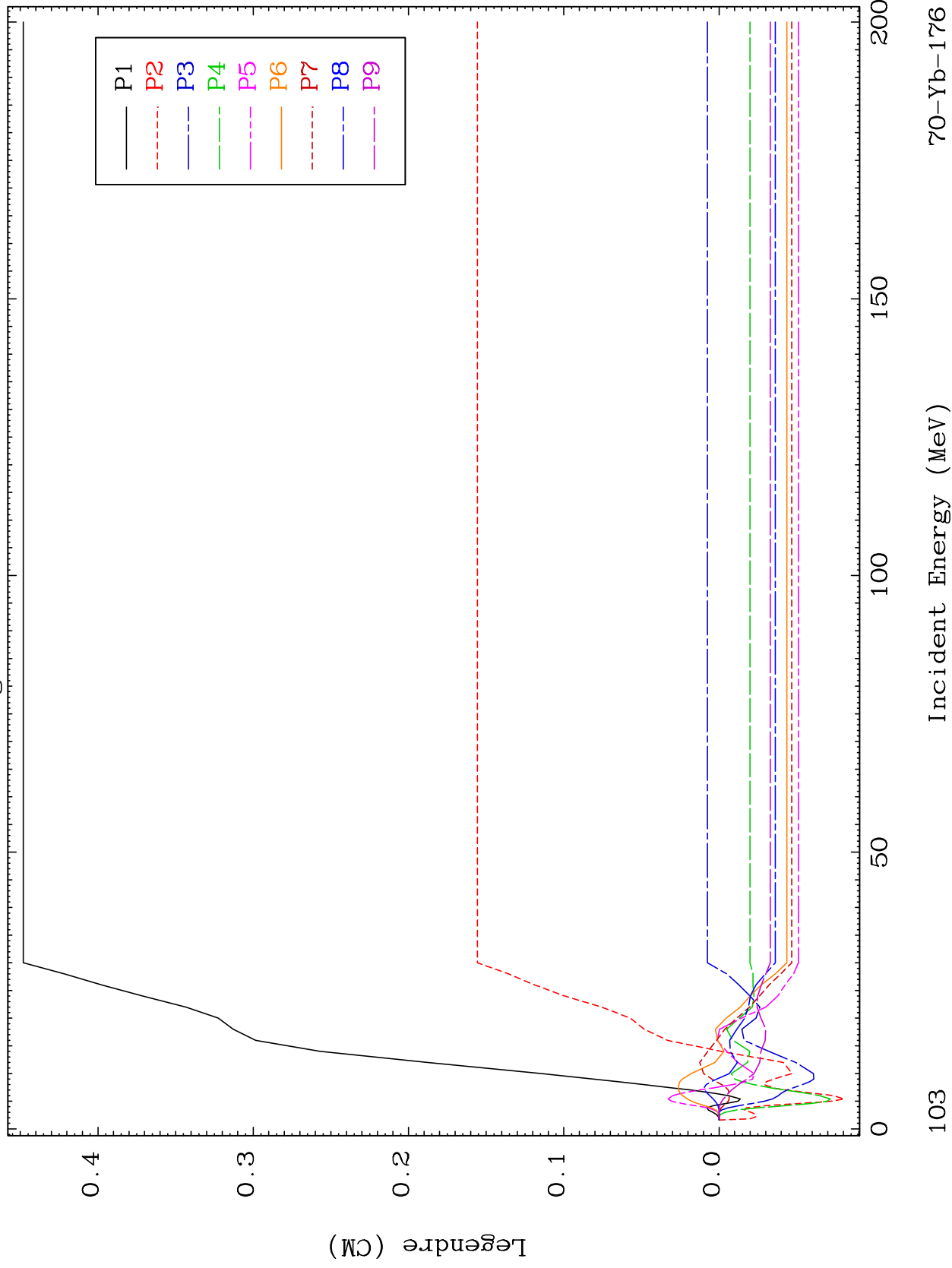




MAT 7049

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

70-Yb-176



70-Yb-176

Incident Energy (MeV)

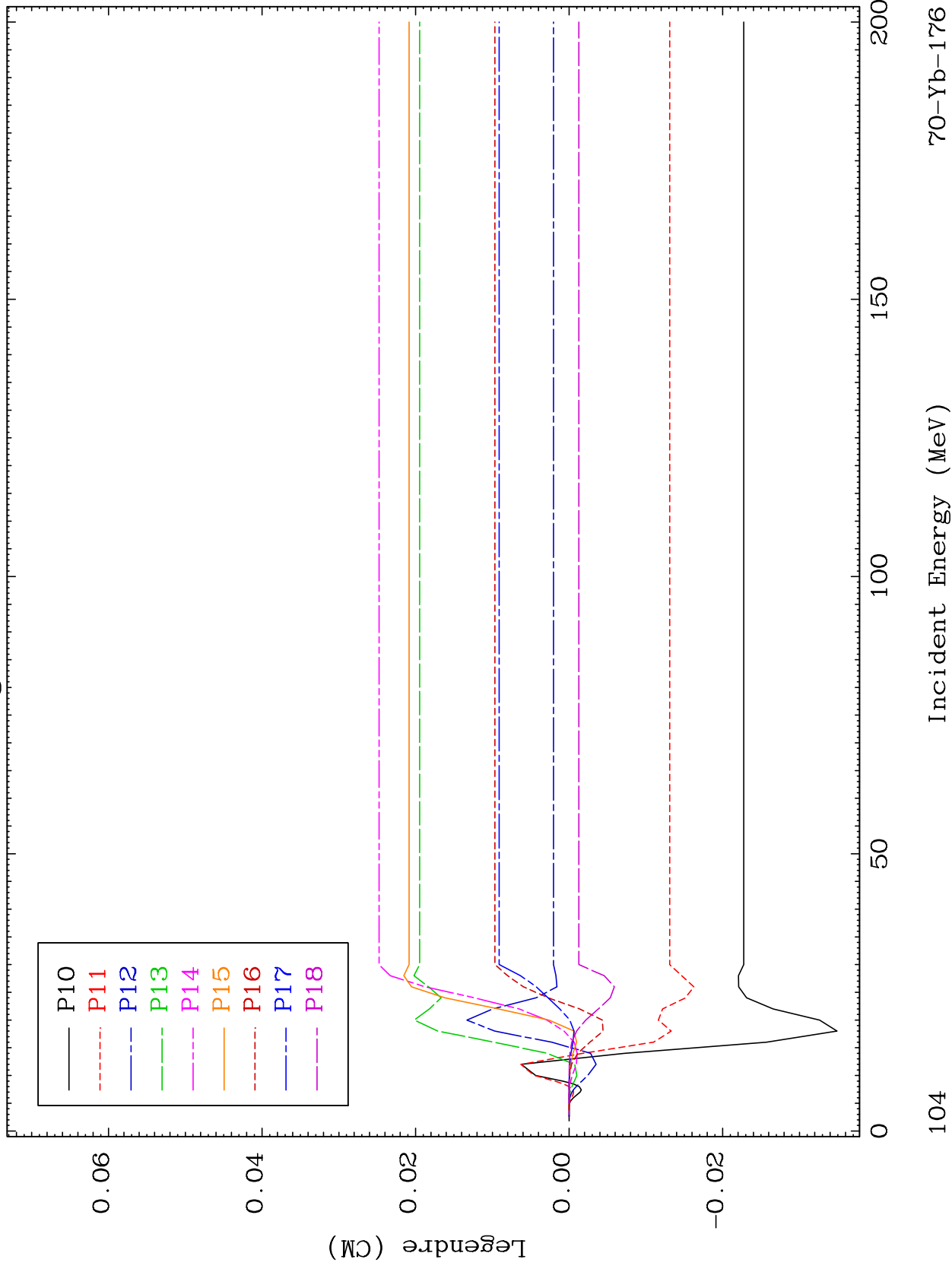
103



MAT 7049

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

70-Yb-176

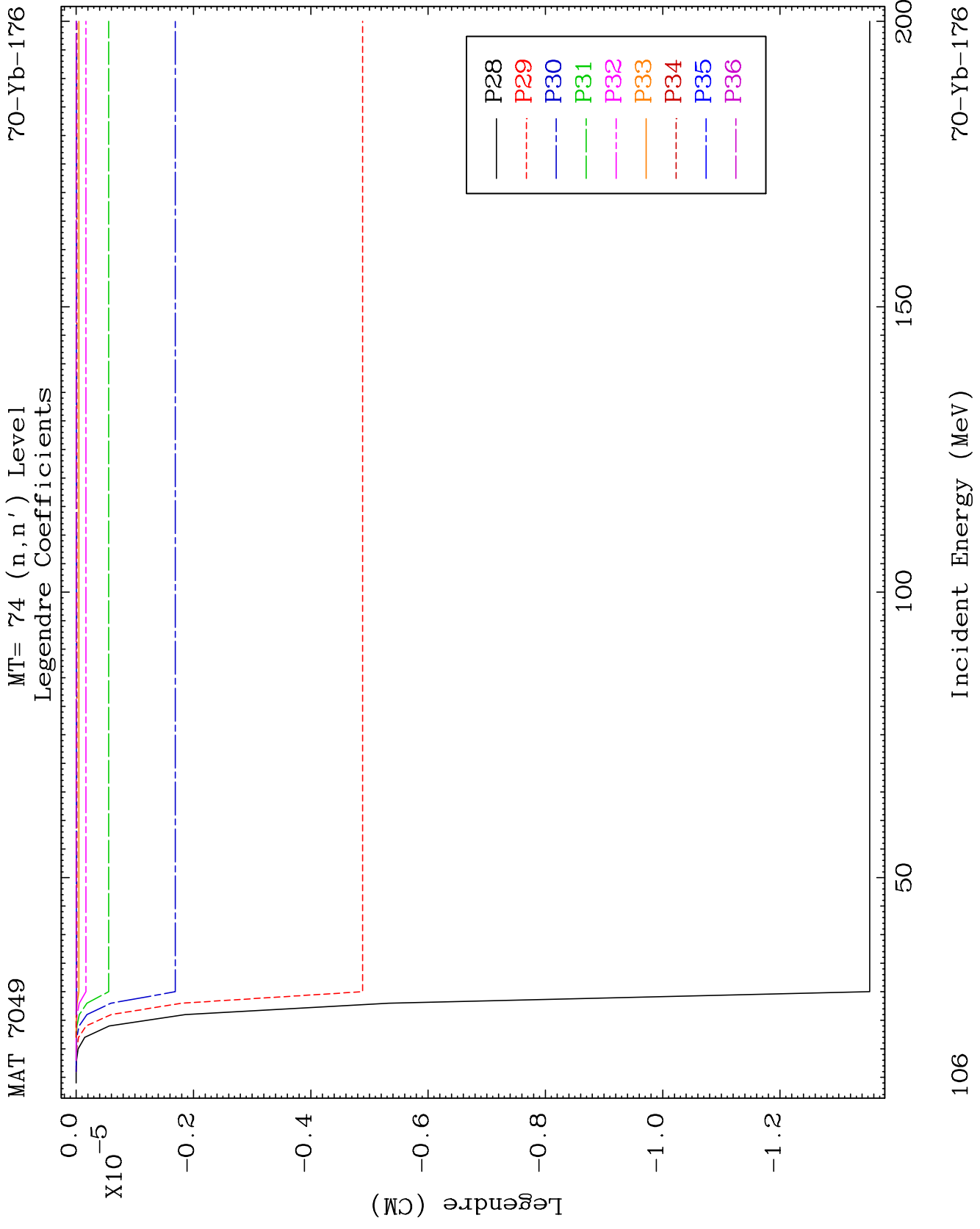


104

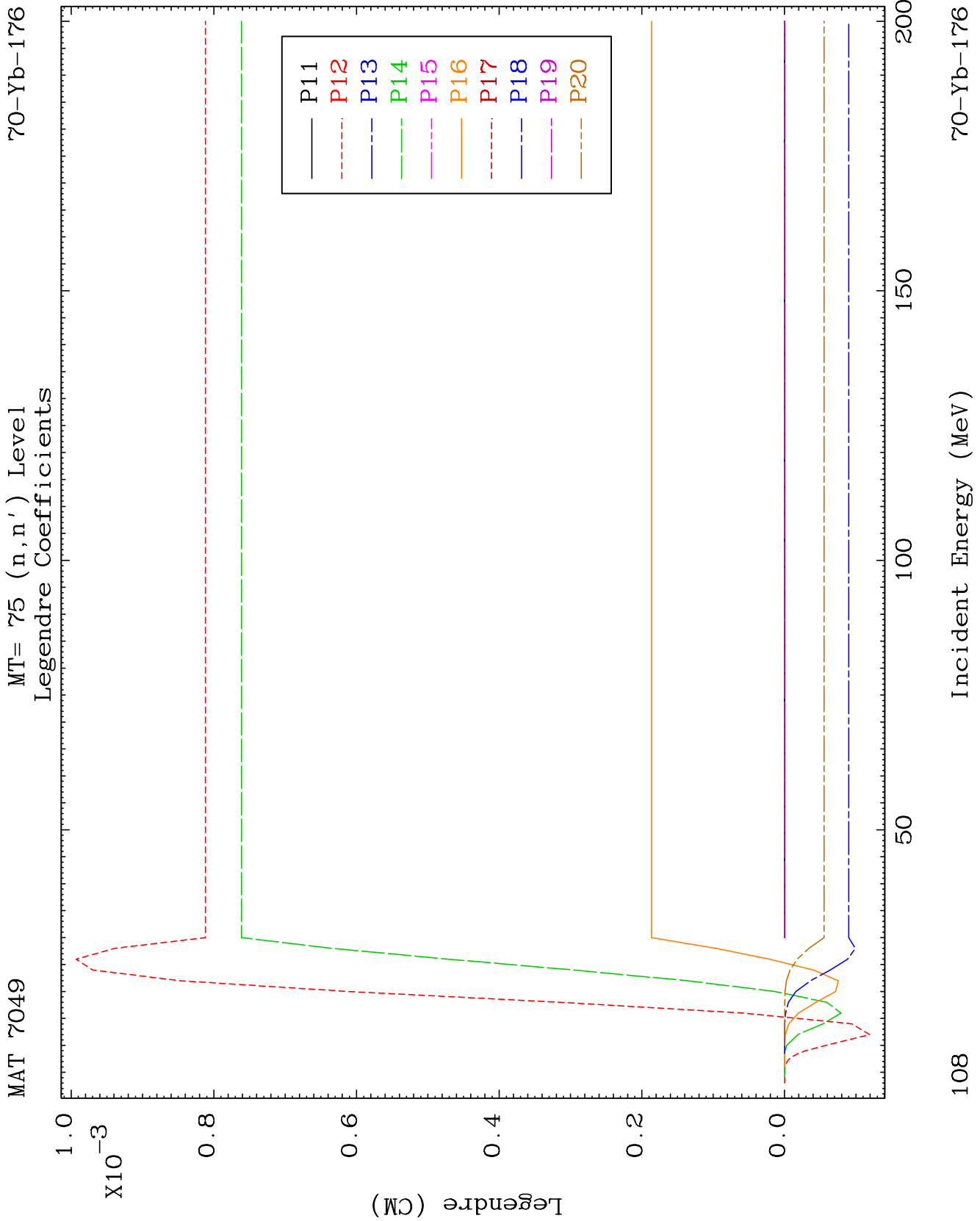
Incident Energy (MeV)

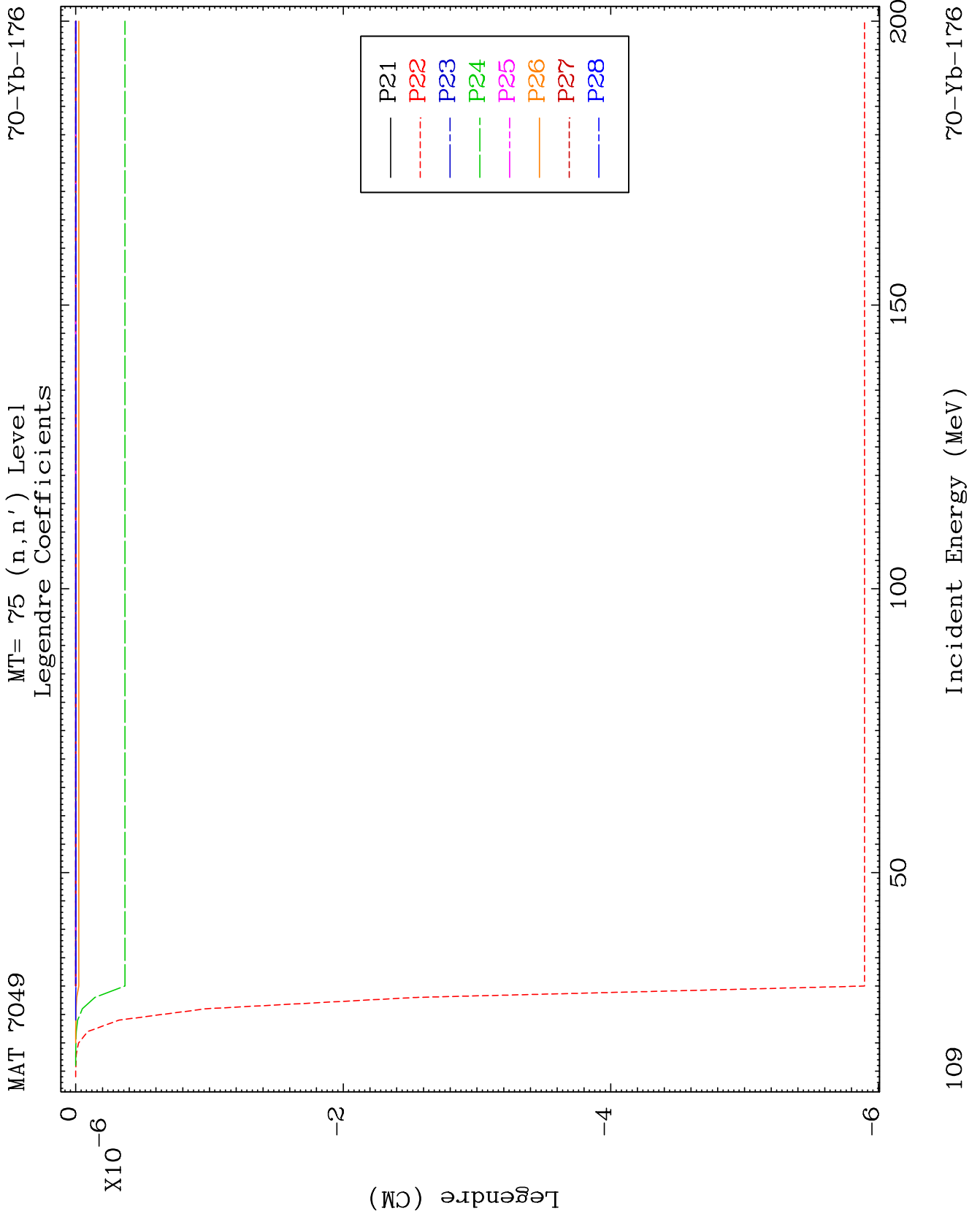
70-Yb-176



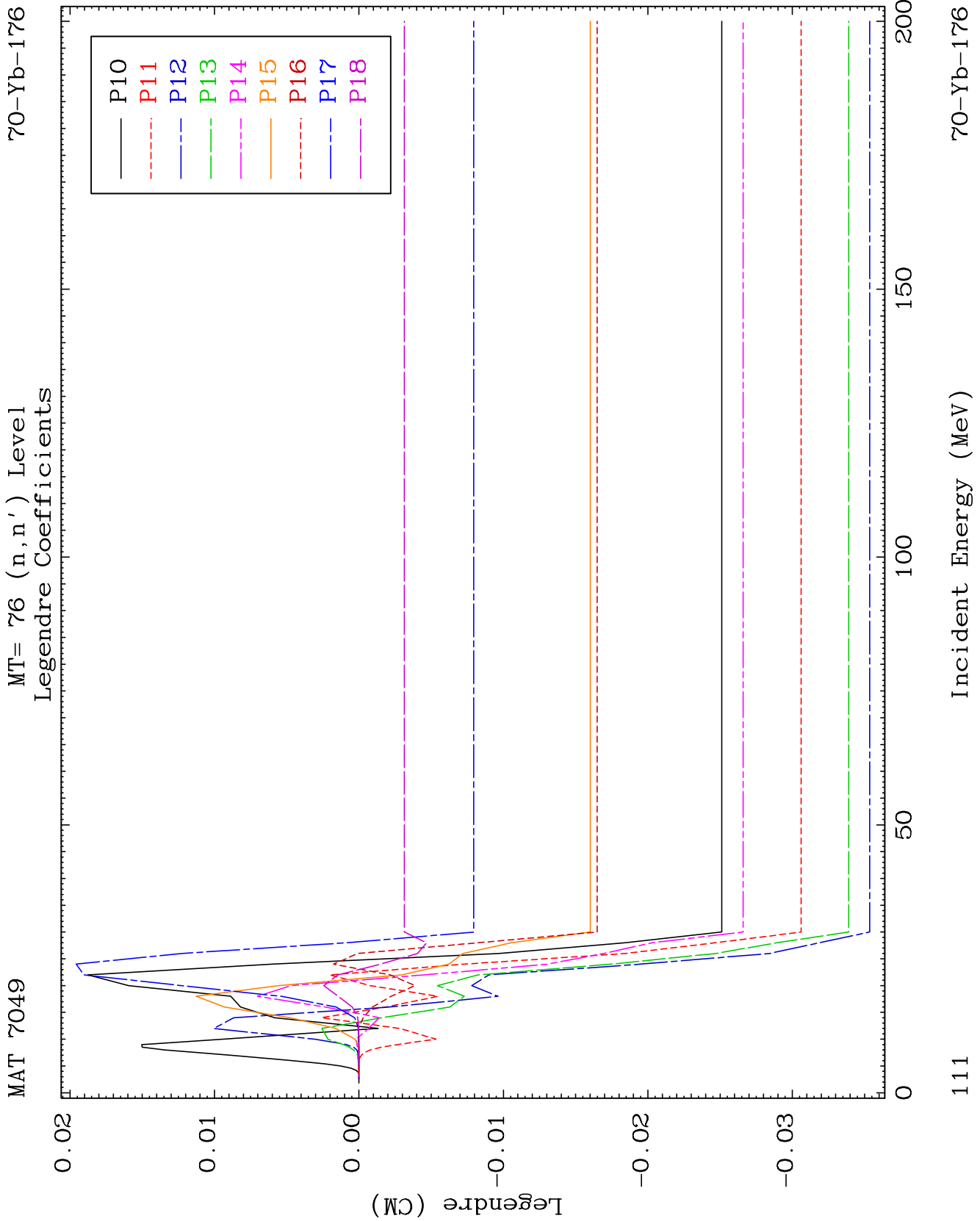










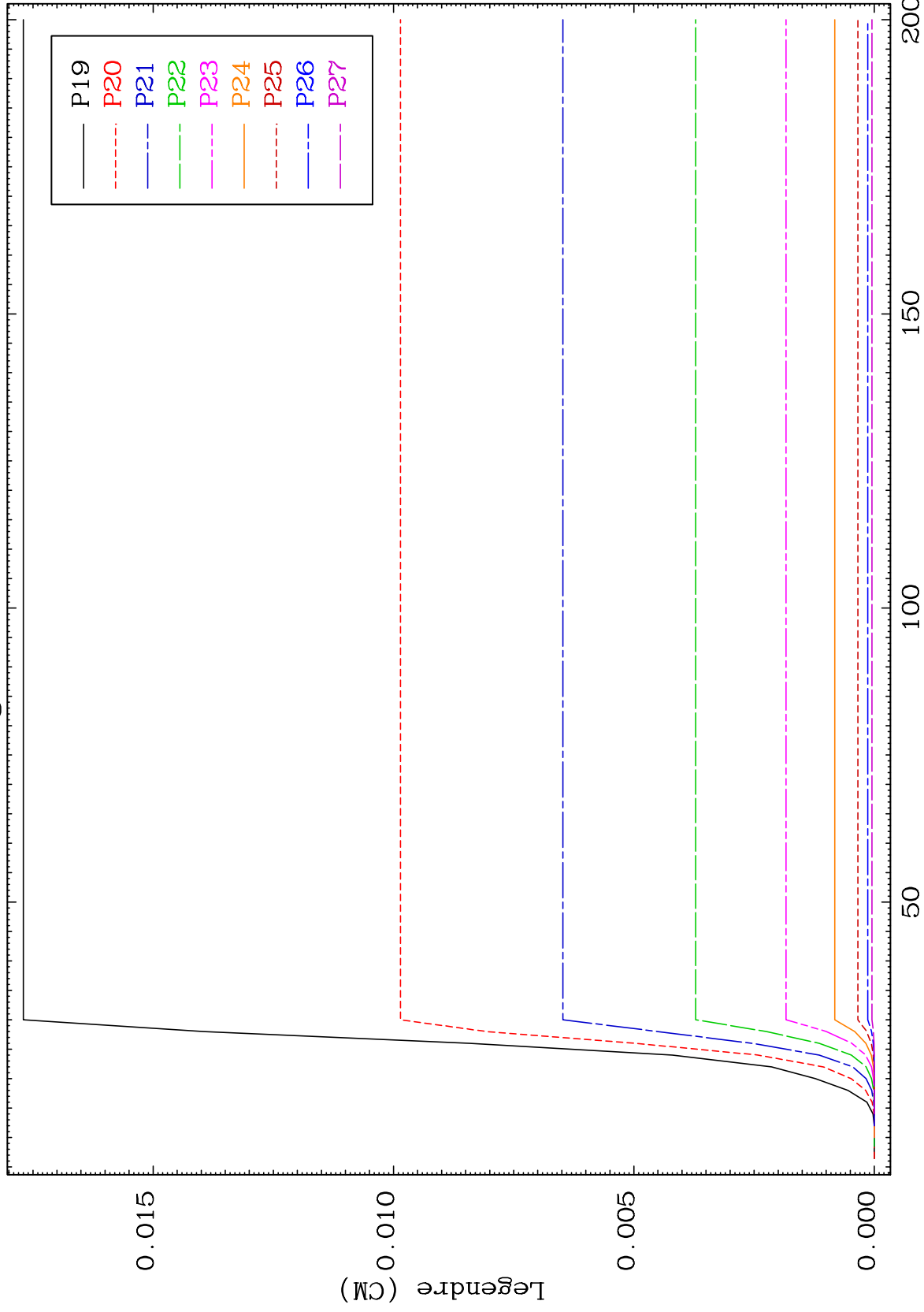




MAT 7049

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

70-Yb-176



112

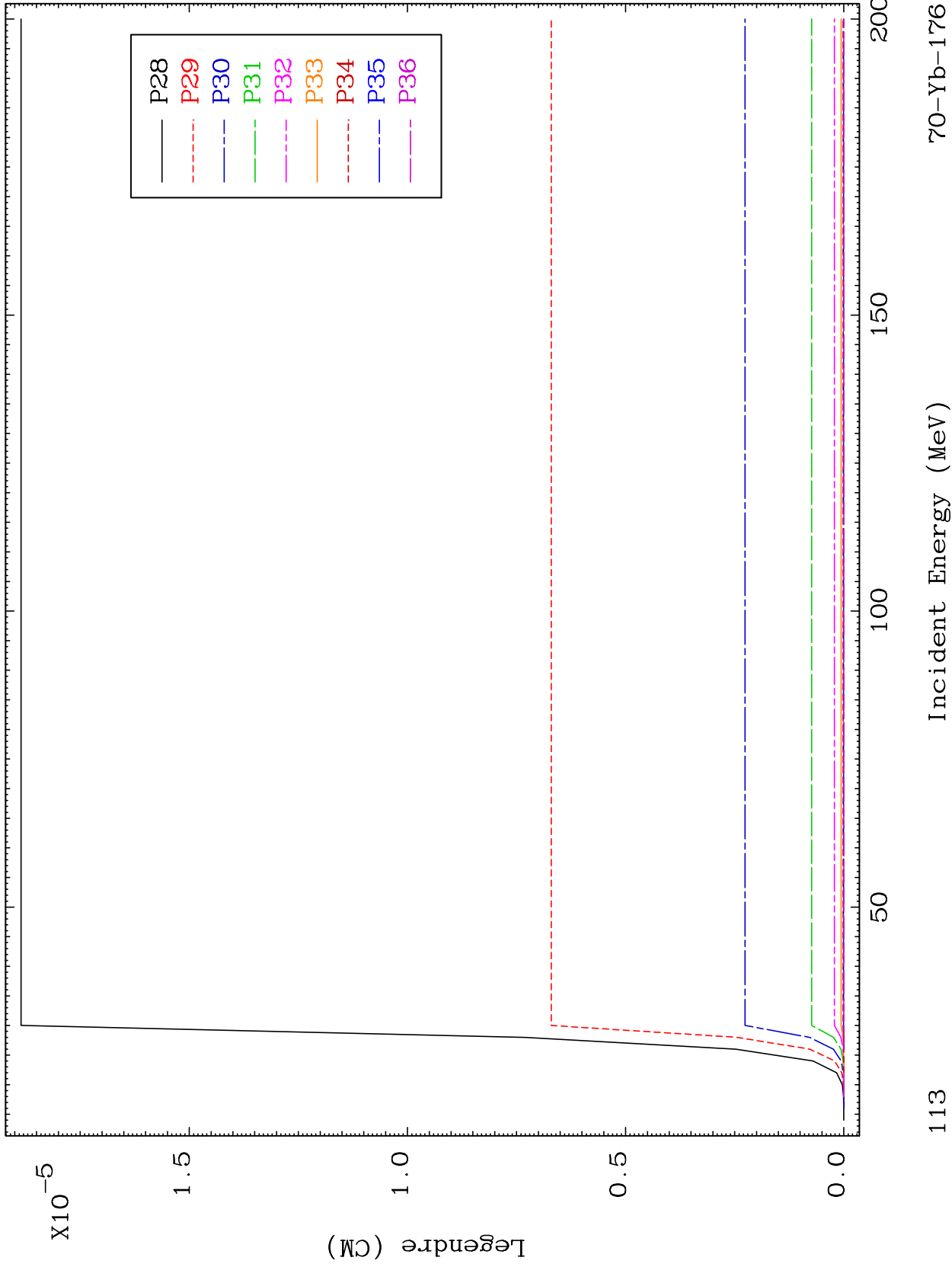
Incident Energy (MeV)

70-Yb-176

MAT 7049

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

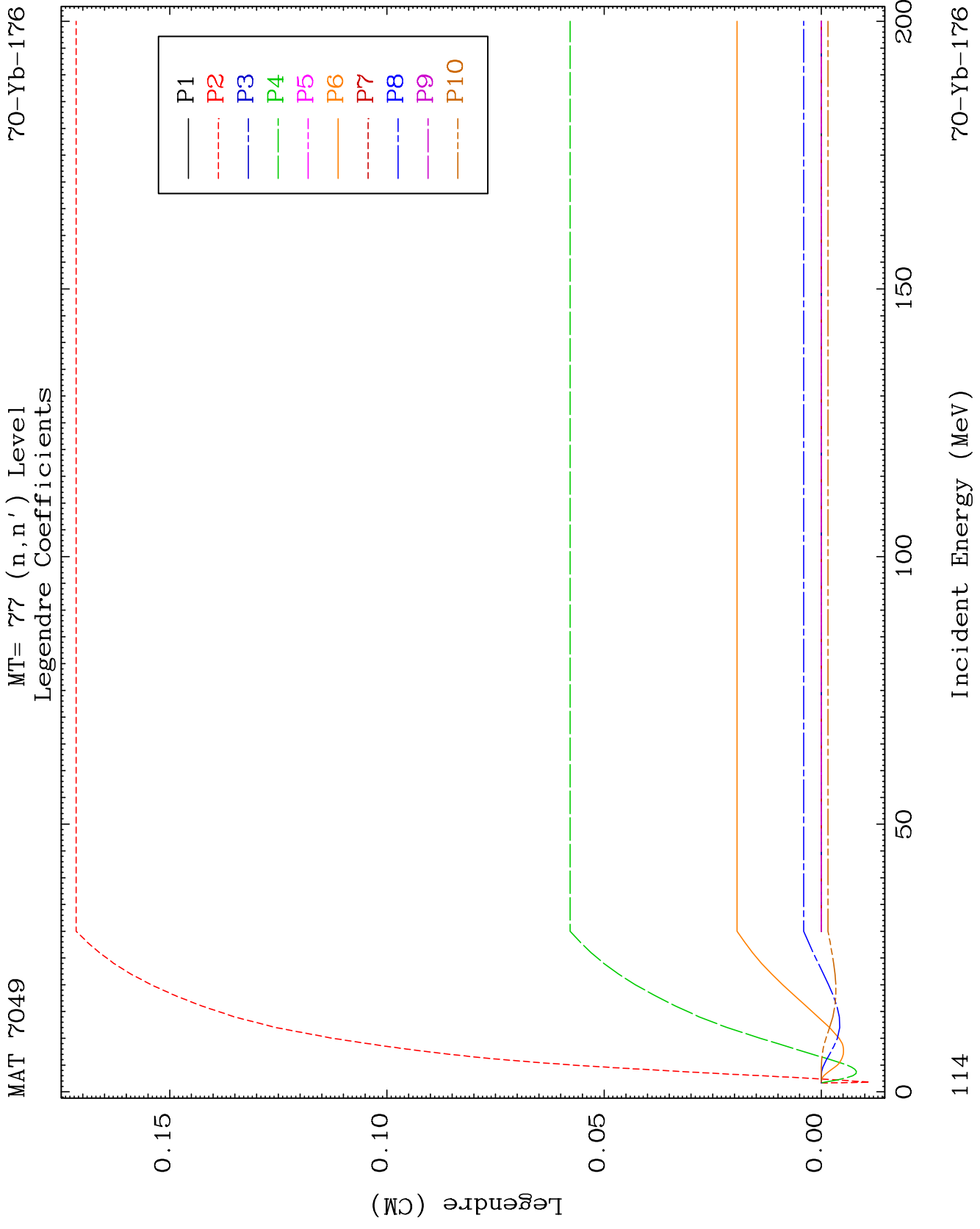
70-Yb-176



113

Incident Energy (MeV)

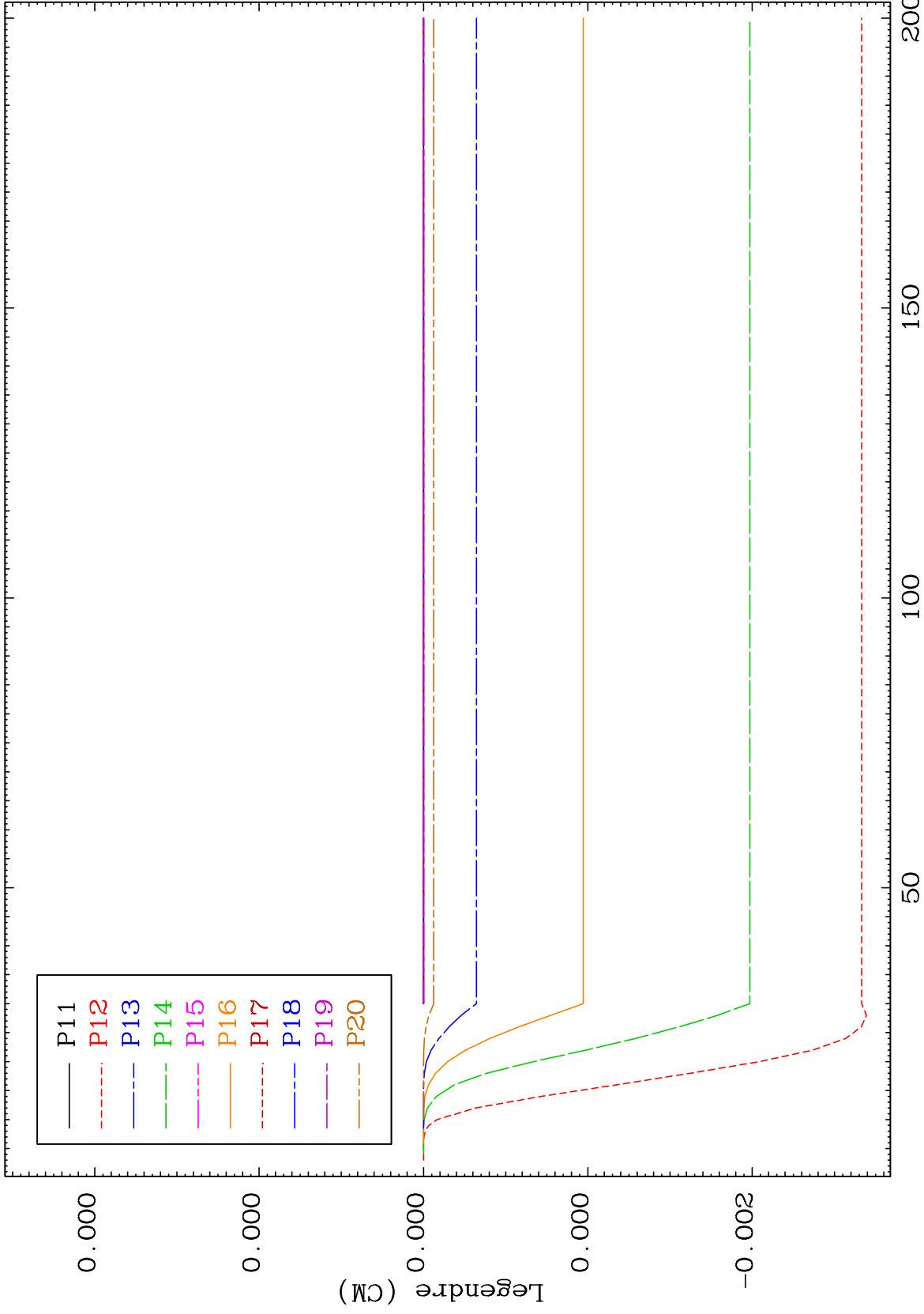
70-Yb-176



MAT 7049

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

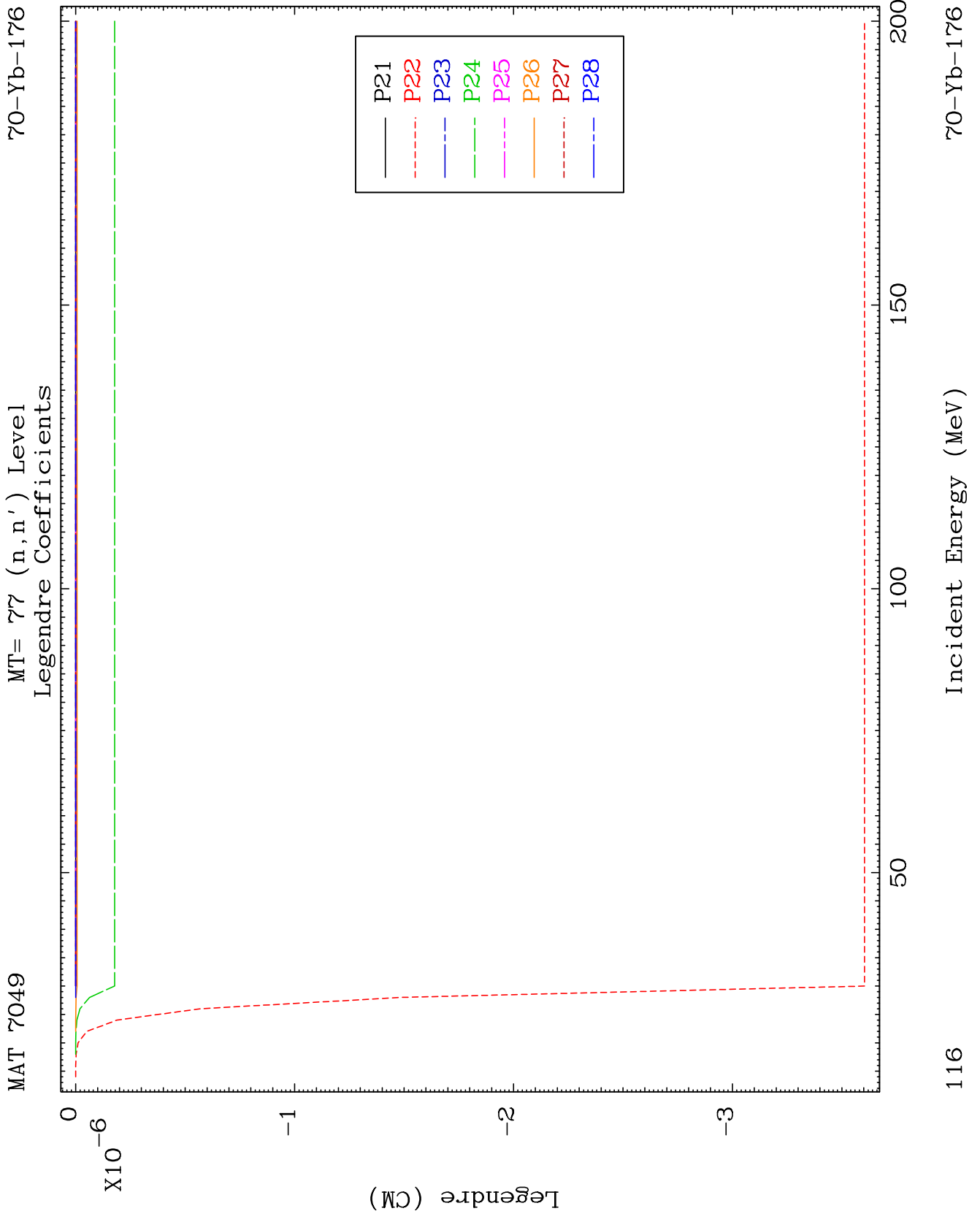
70-Yb-176



115

Incident Energy (MeV)

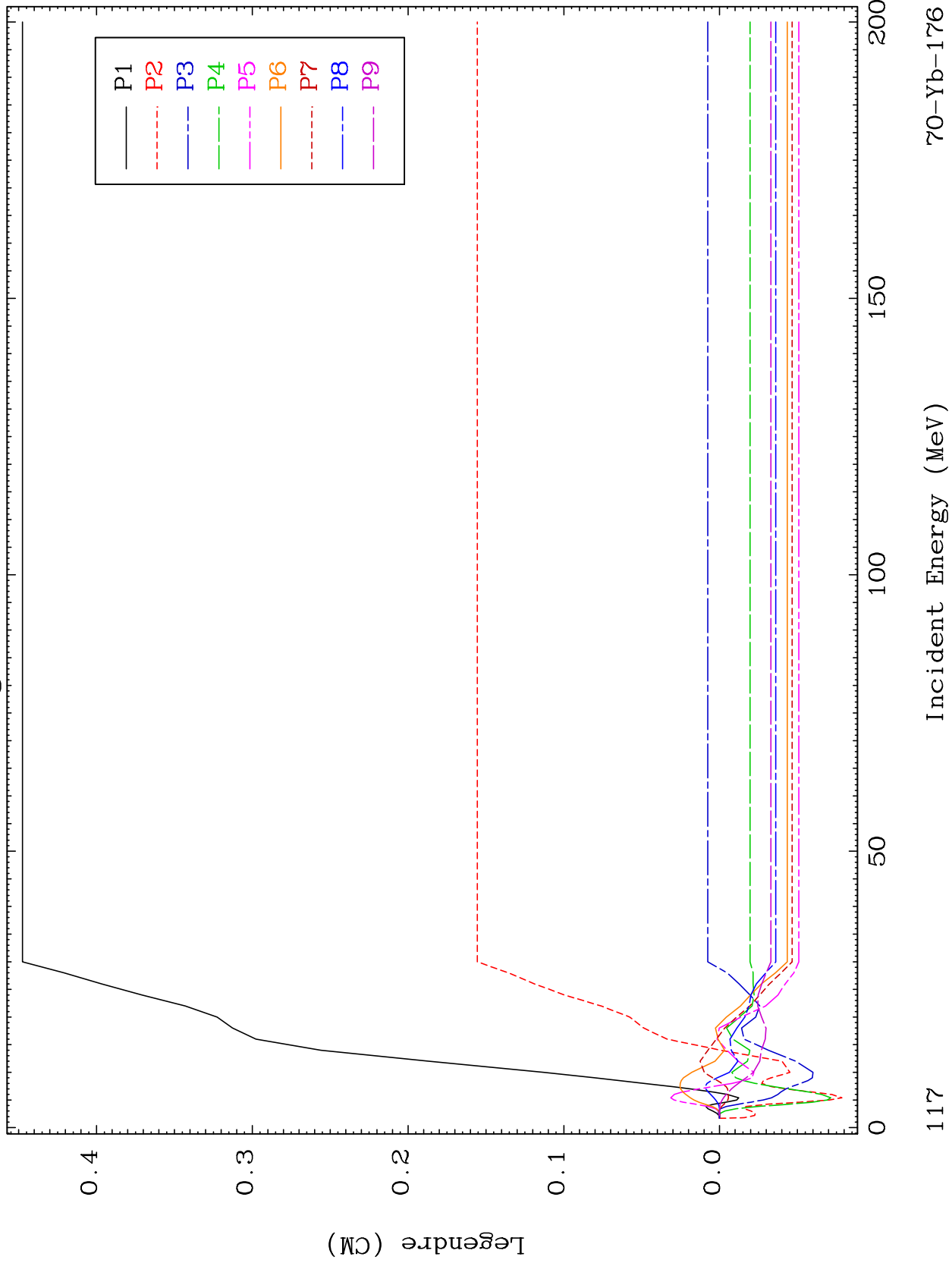
70-Yb-176



MAT 7049

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

70-Yb-176



70-Yb-176

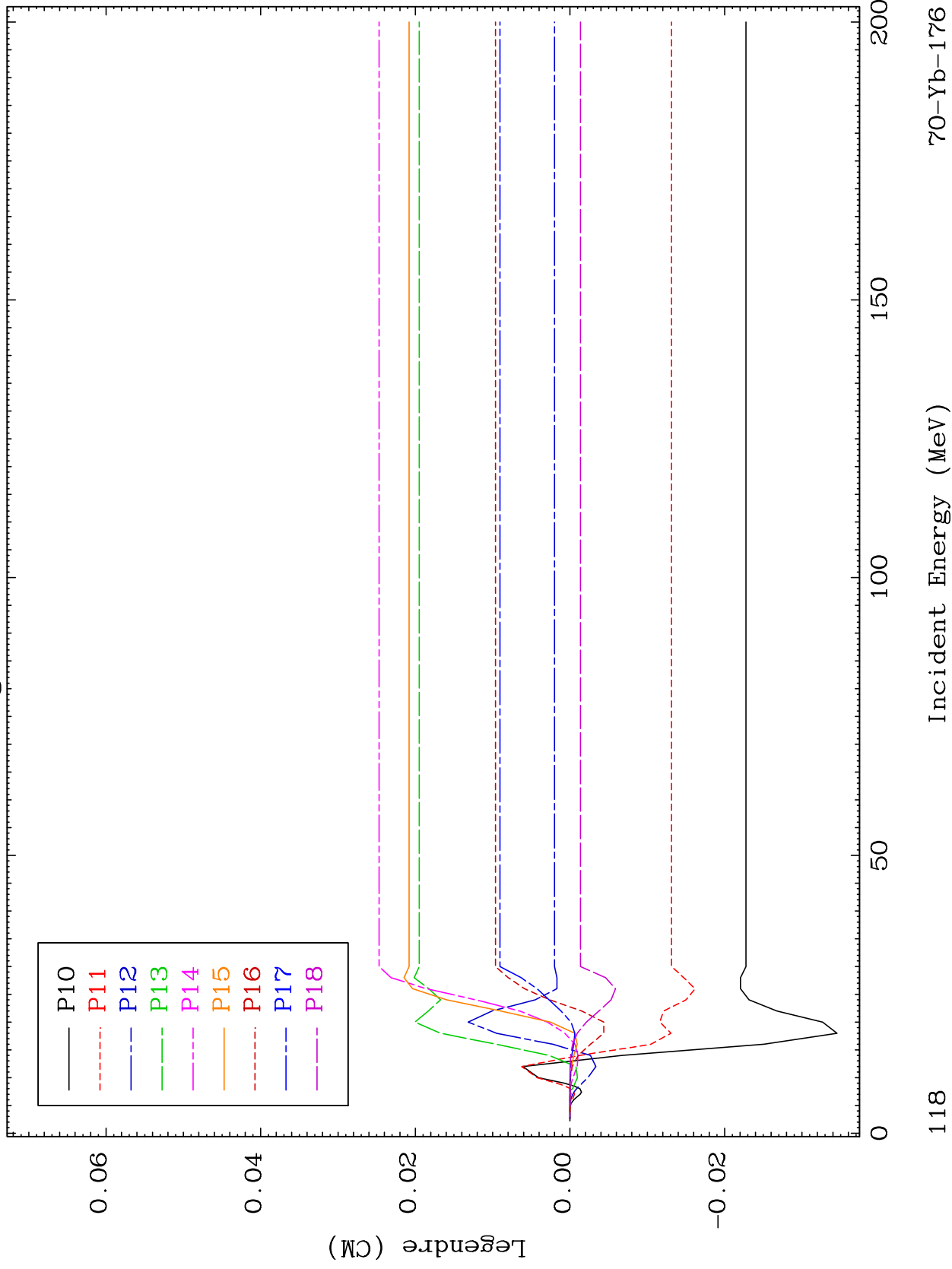
Incident Energy (MeV)

117

MAT 7049

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

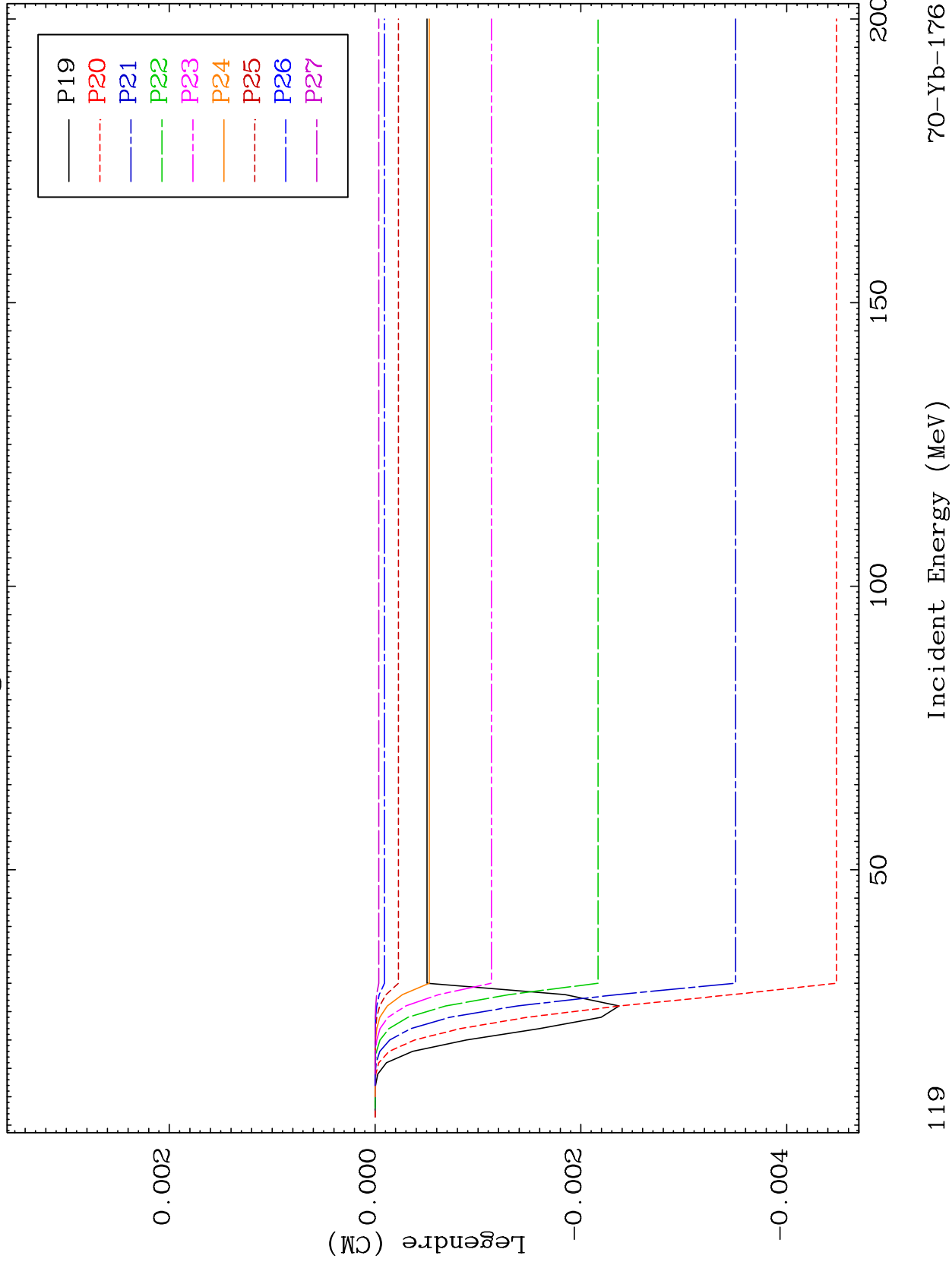
70-Yb-176



MAT 7049

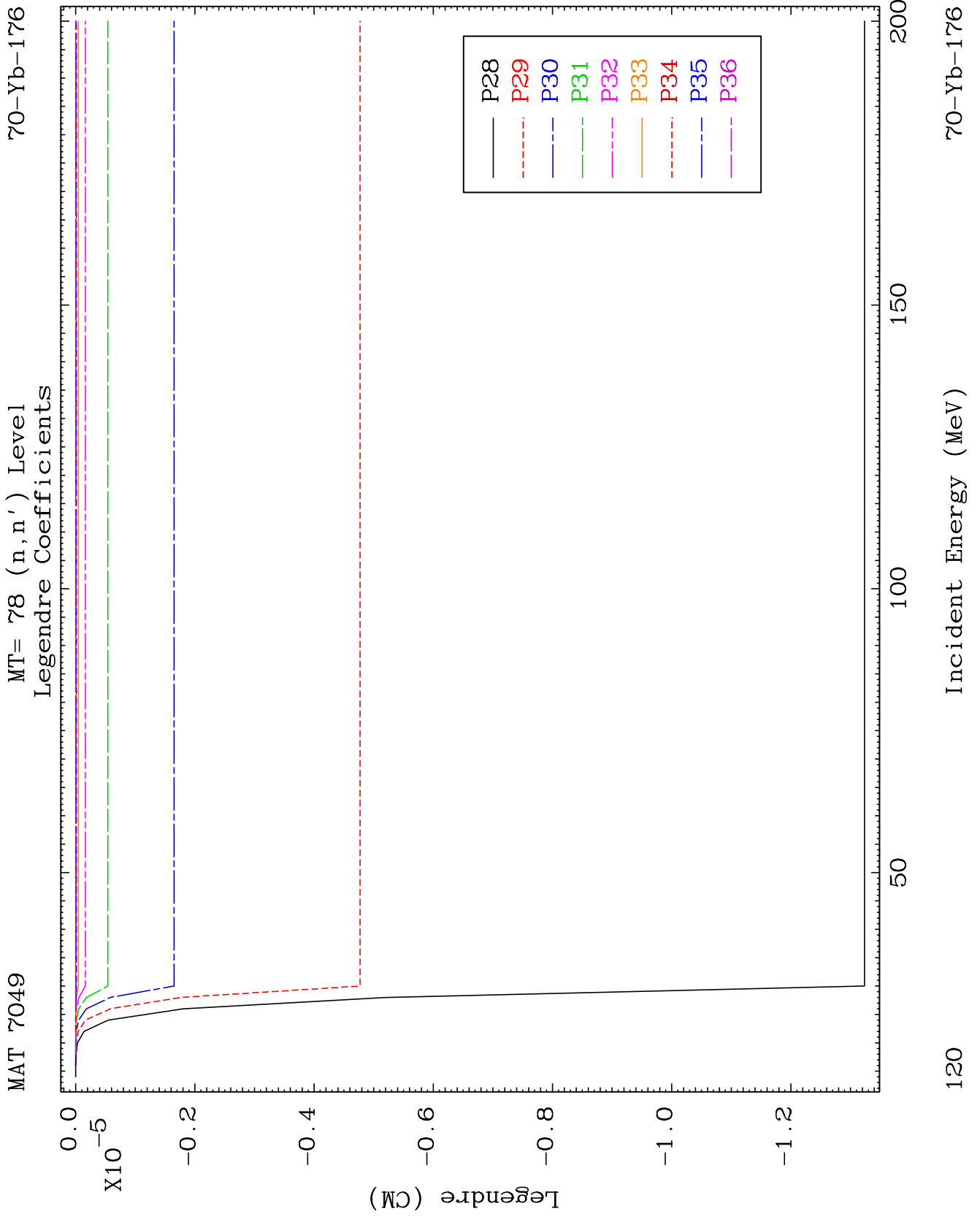
MT= 78 (n,n') Level  
Legendre Coefficients

70-Yb-176



119

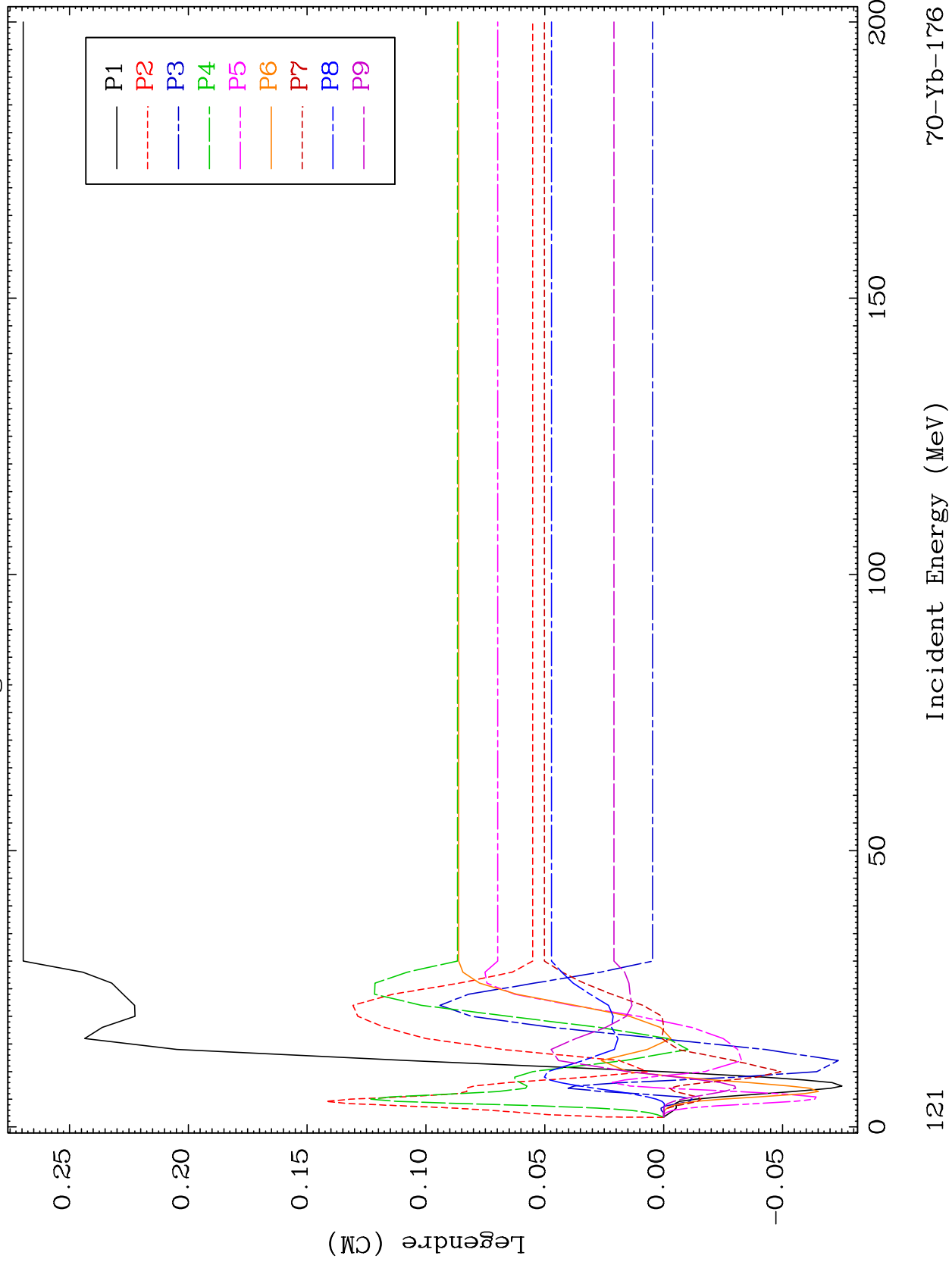




MAT 7049

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

70-Yb-176



70-Yb-176

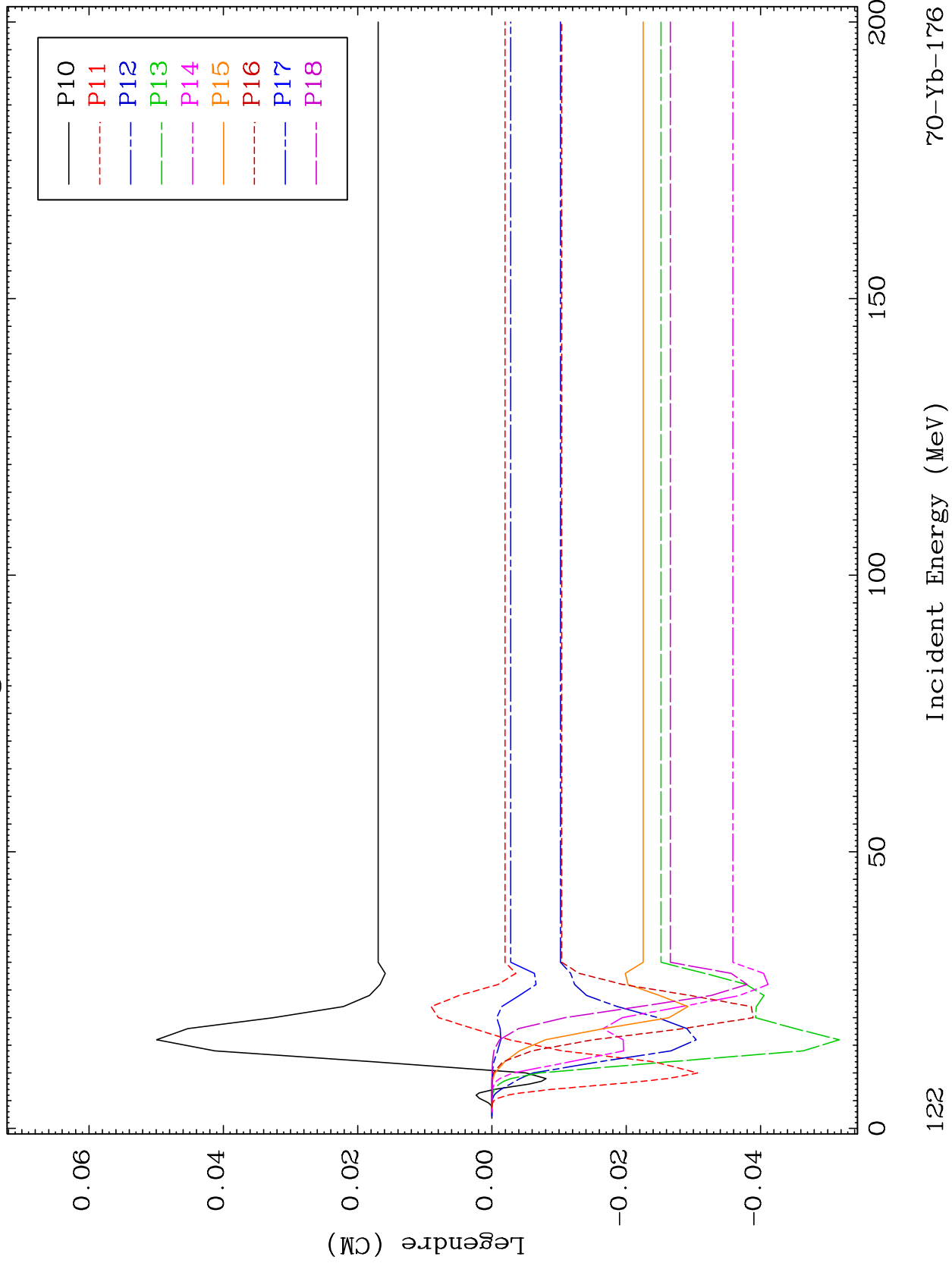
Incident Energy (MeV)

121

MAT 7049

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

70-Yb-176



70-Yb-176

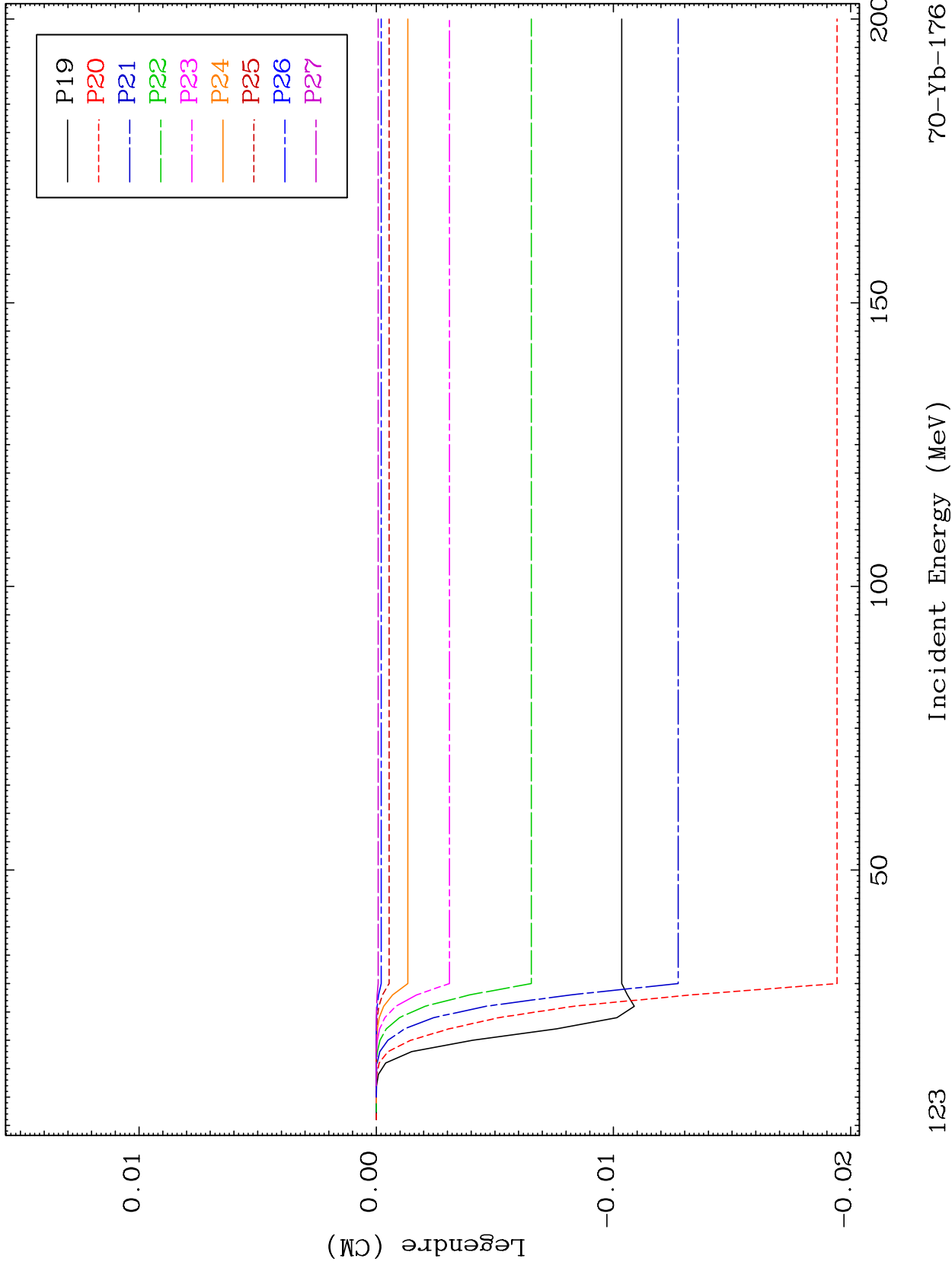
Incident Energy (MeV)

122

MAT 7049

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

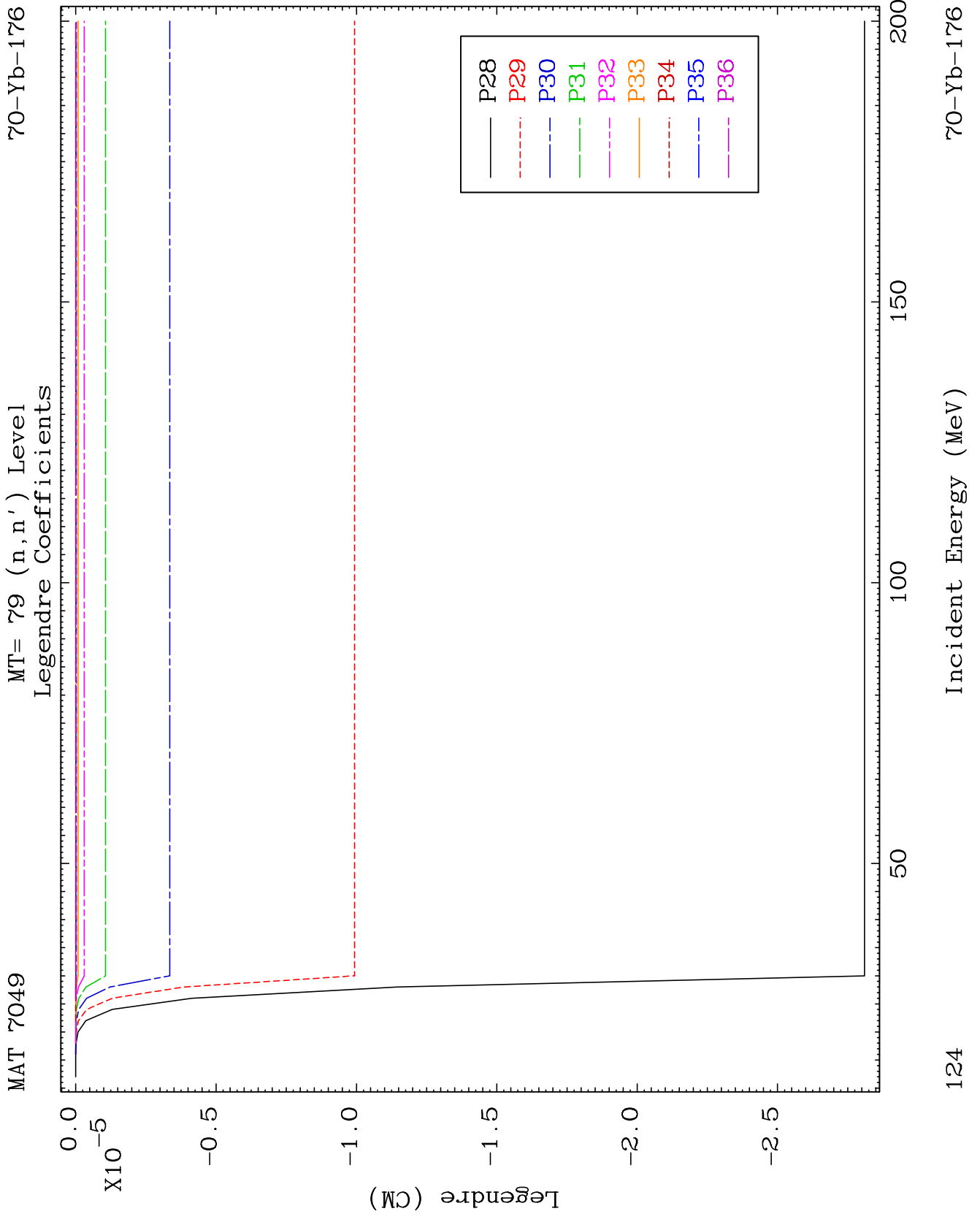
70-Yb-176



123

Incident Energy (MeV)

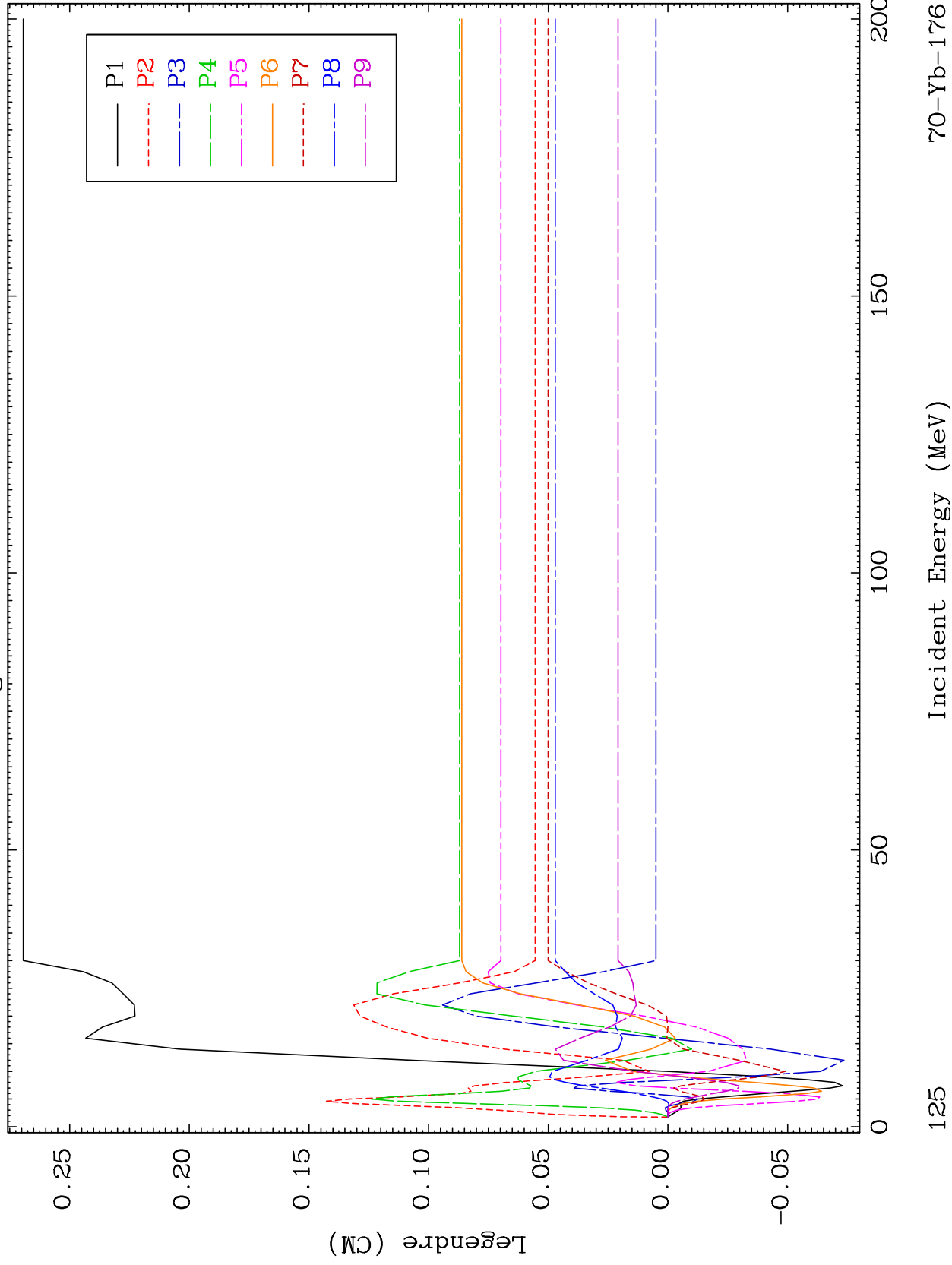
70-Yb-176



MAT 7049

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

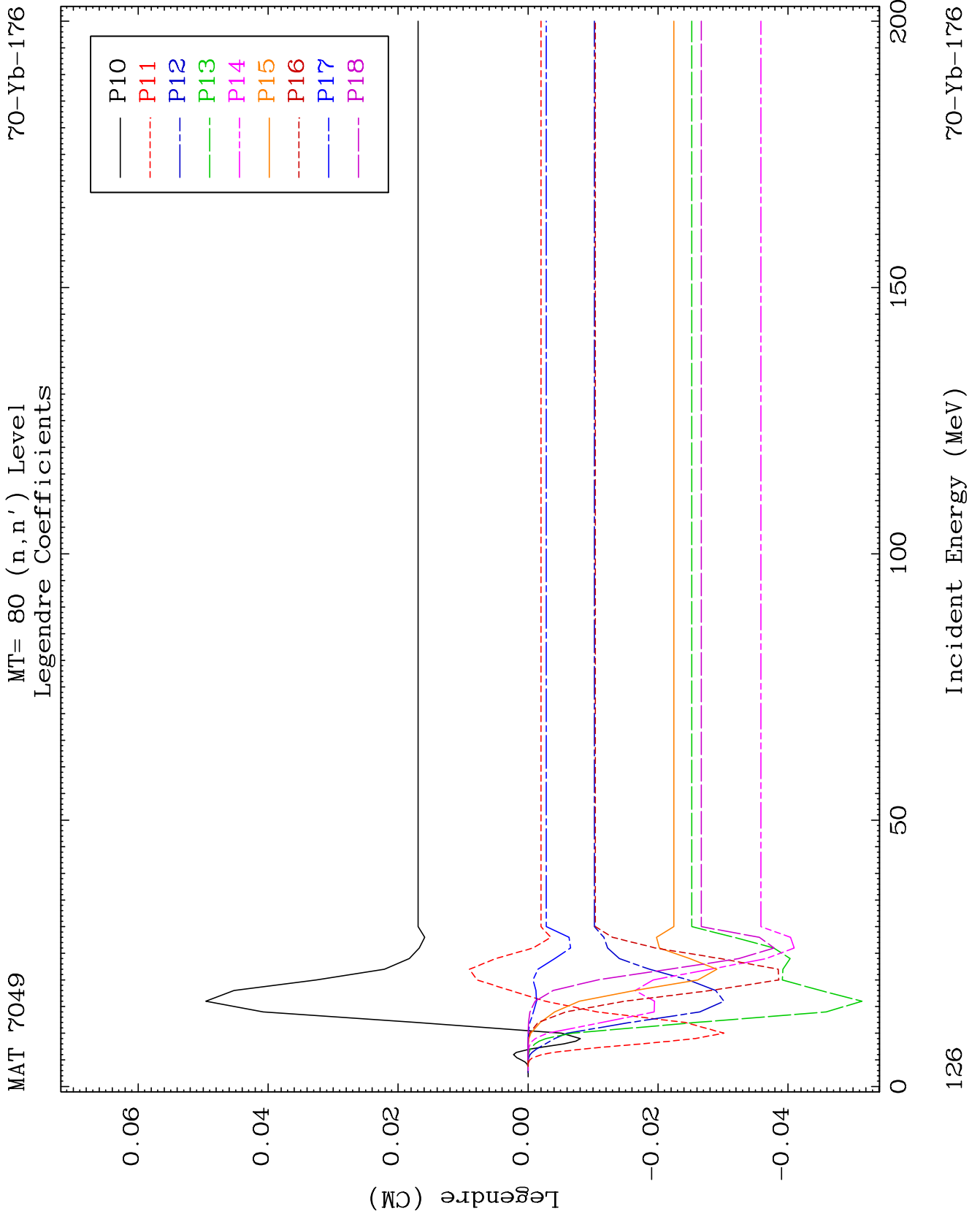
70-Yb-176



70-Yb-176

Incident Energy (MeV)

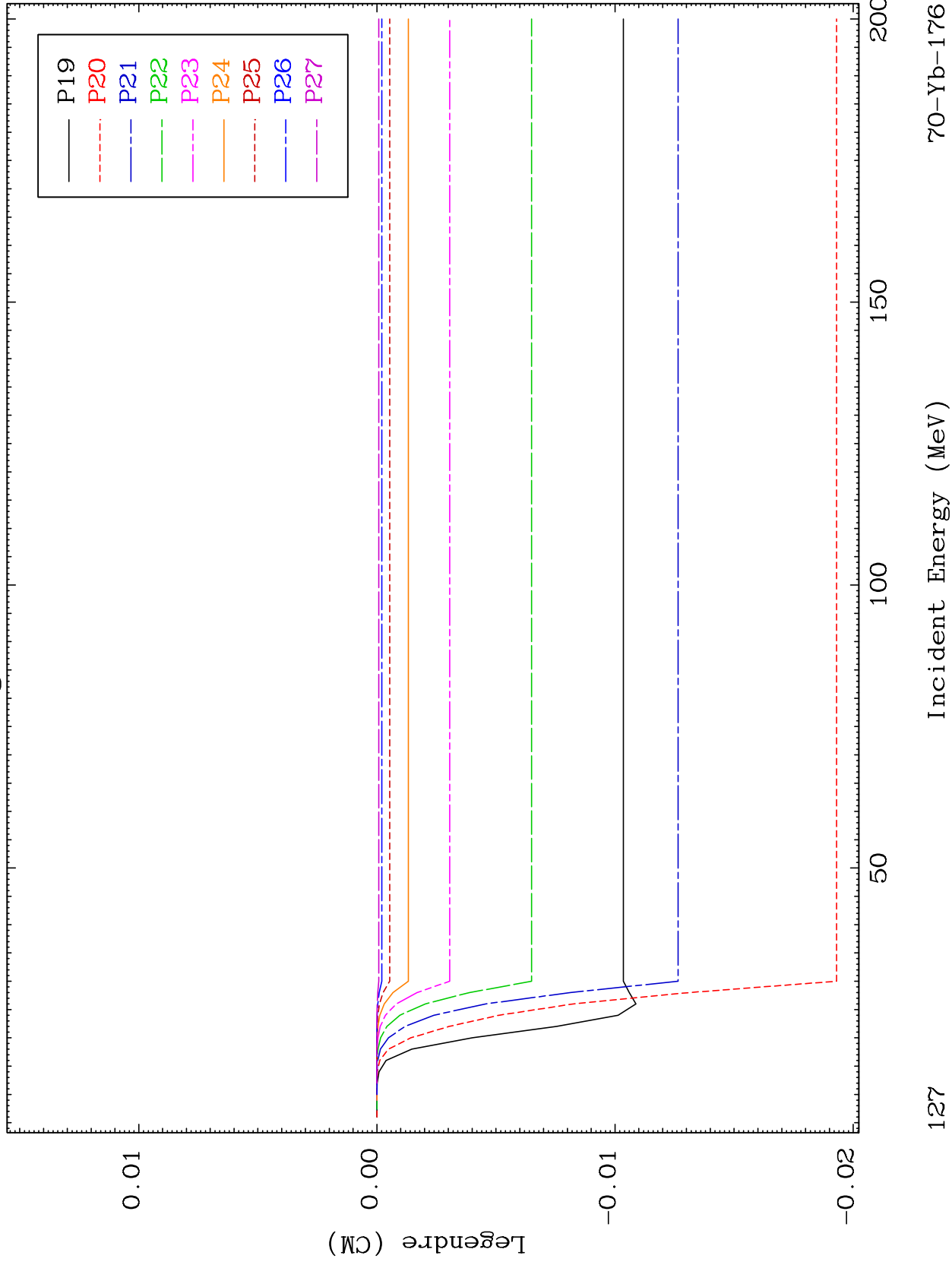
125



MAT 7049

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

70-Yb-176

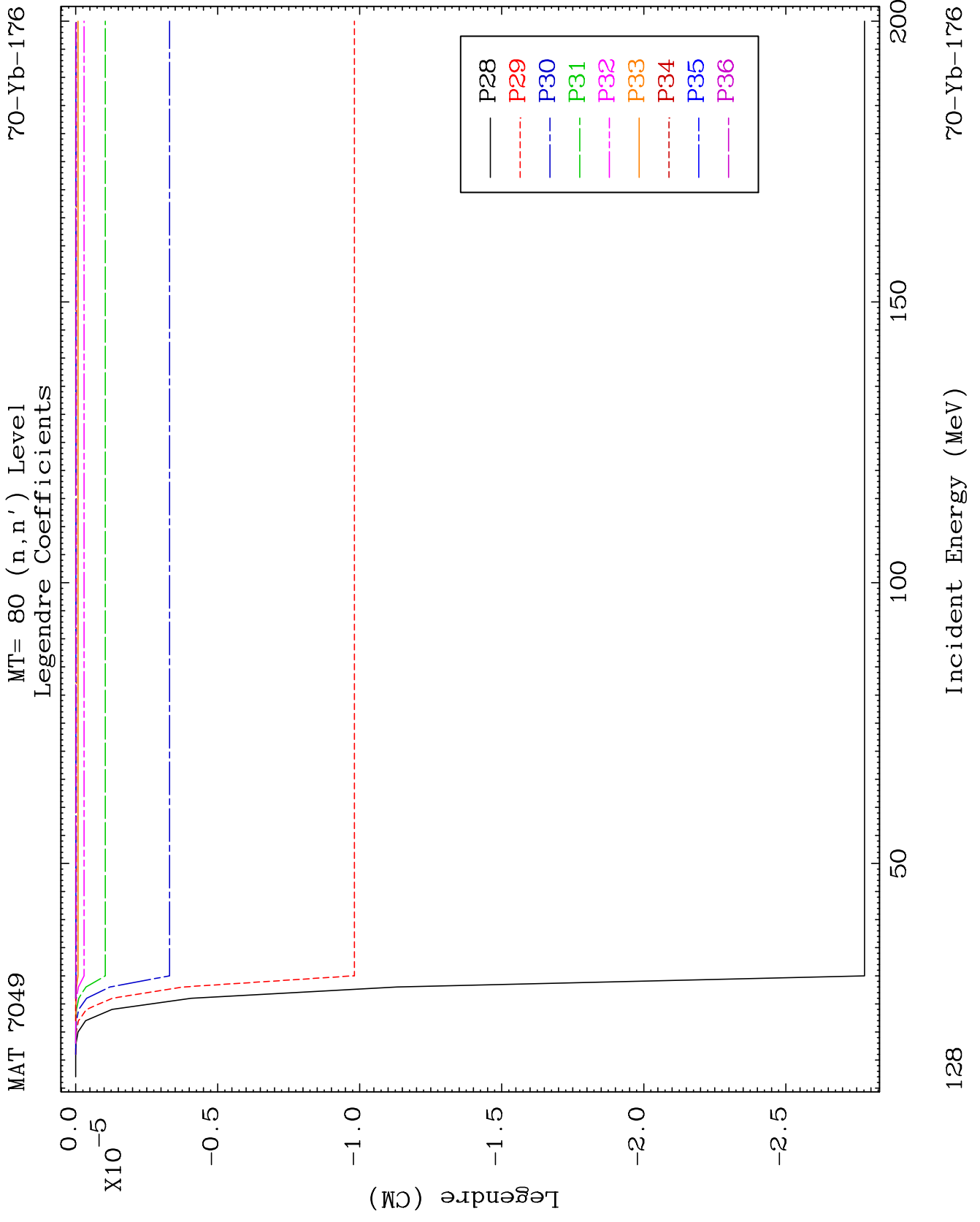


127

Incident Energy (MeV)

70-Yb-176

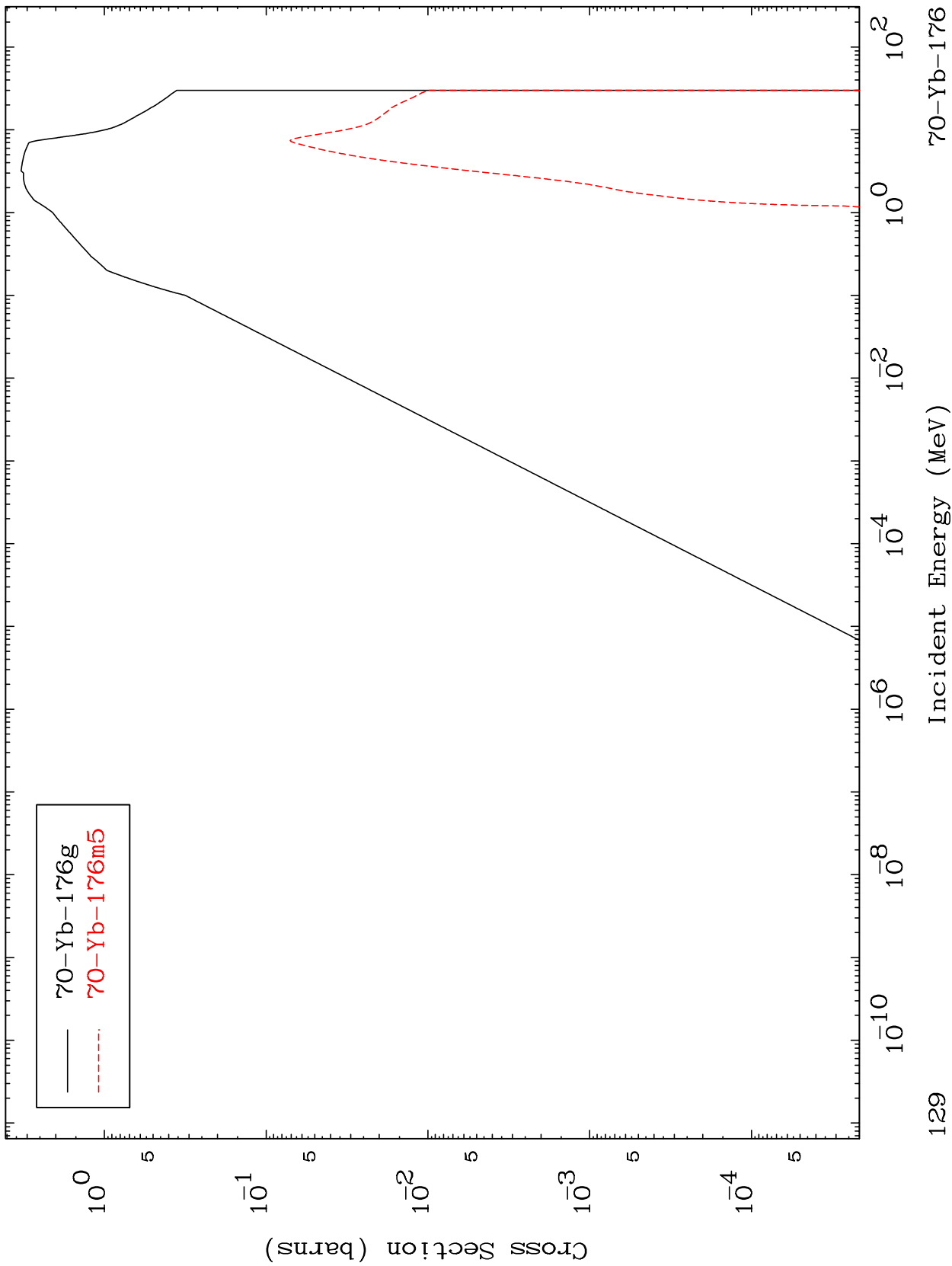




MAT 7049

70-Yb-176

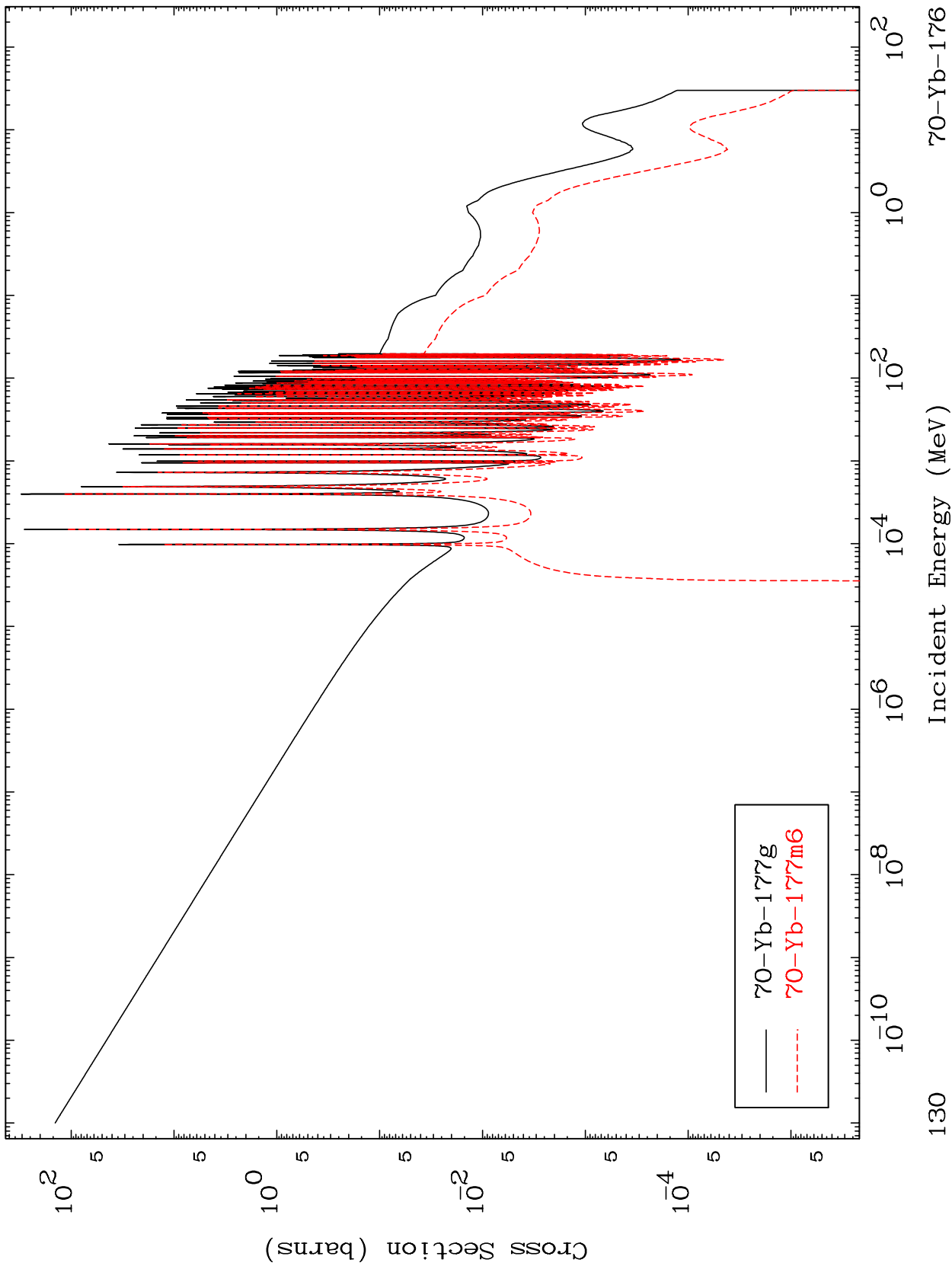
Inelastic  
Radionuclide Production Cross Section



MAT 7049

70-Yb-176

$(n, \gamma)$   
Radionuclide Production Cross Section



— 70-Yb-177g  
- - - 70-Yb-177m6