

Program EVALPLOT  
(Version 2021-1)

by

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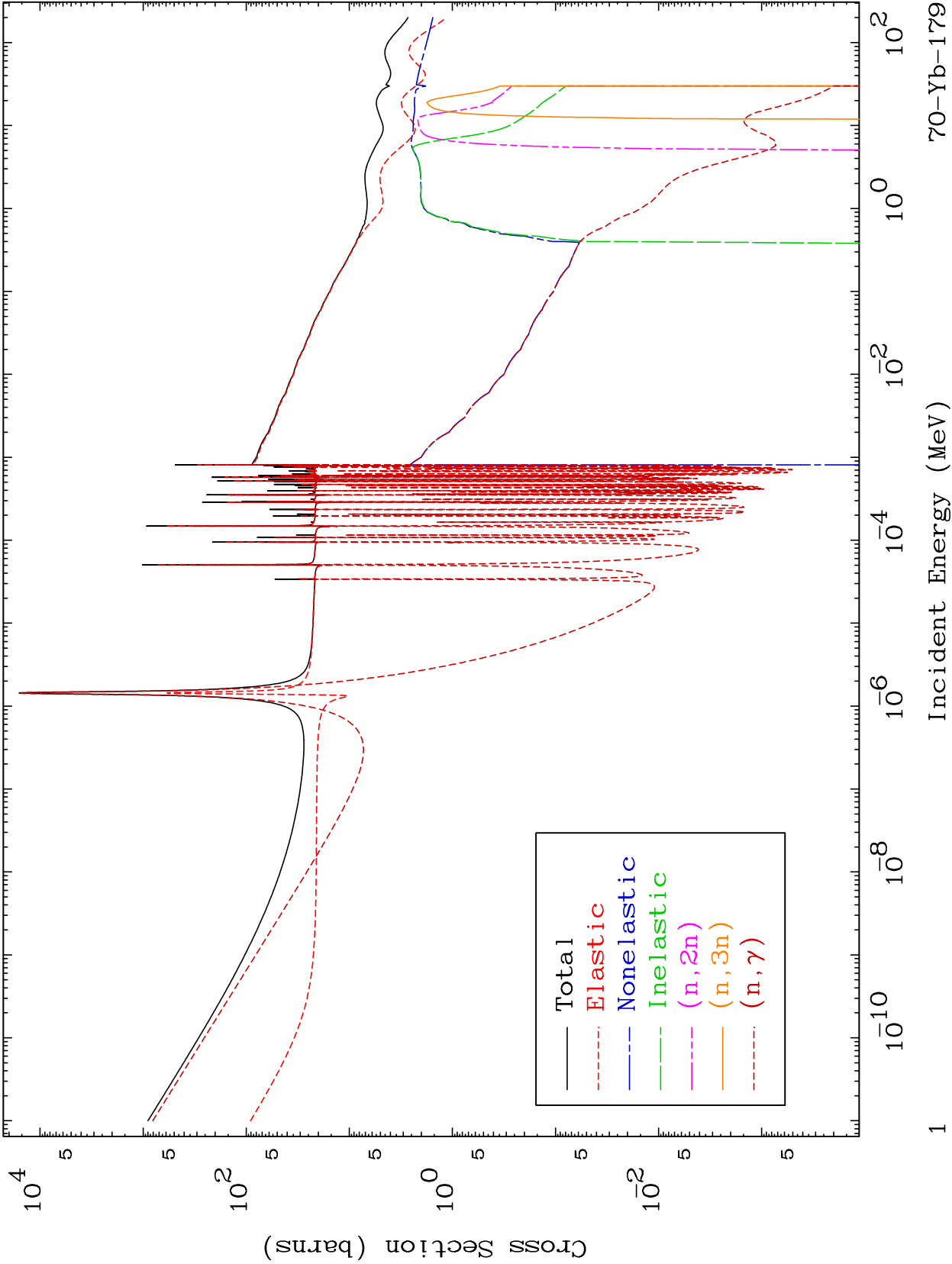
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7058

Neutron Major  
293 Kelvin Cross Sections

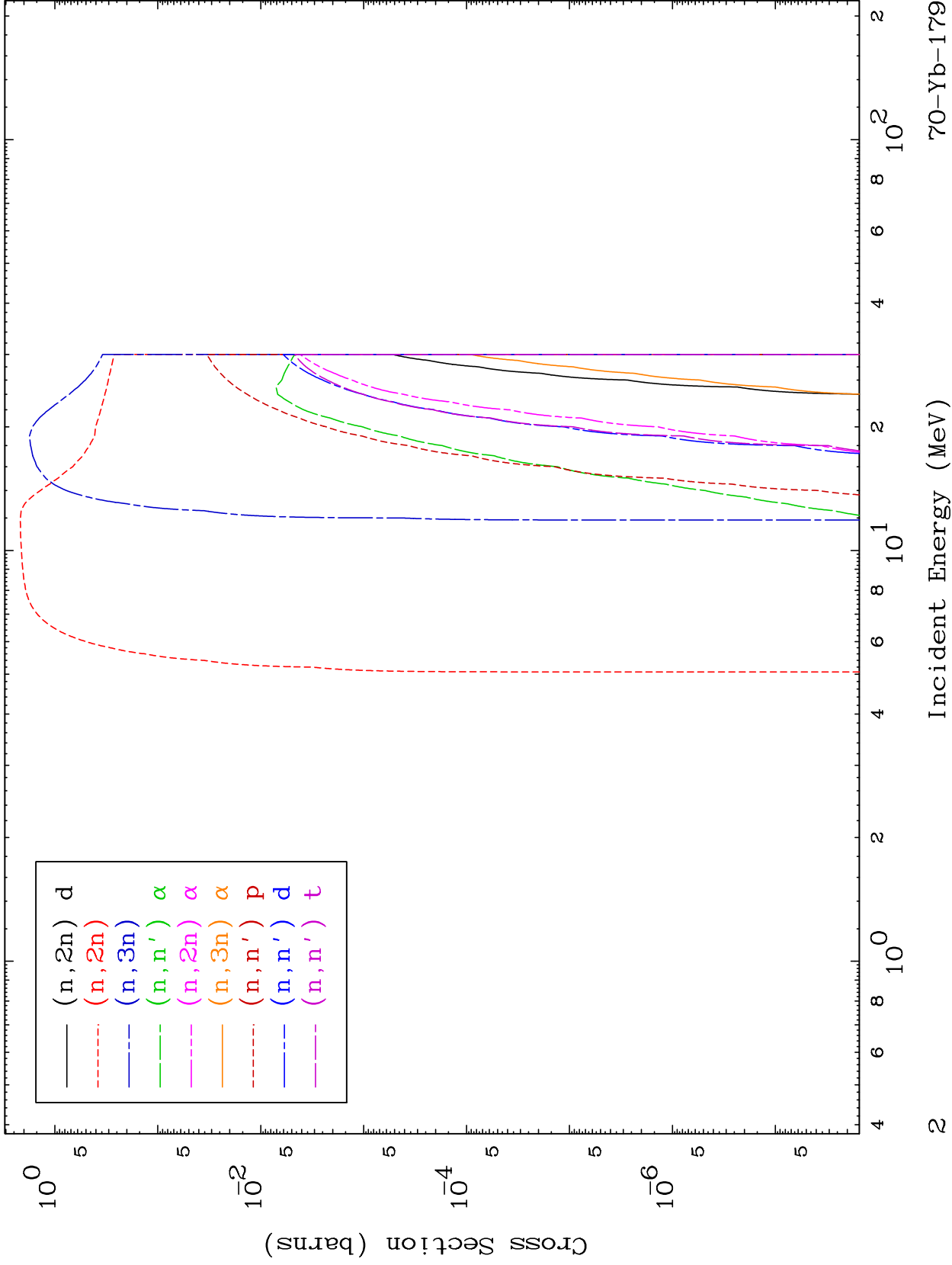
70-Yb-179



MAT 7058

Neutron Absorption  
293 Kelvin Cross Sections

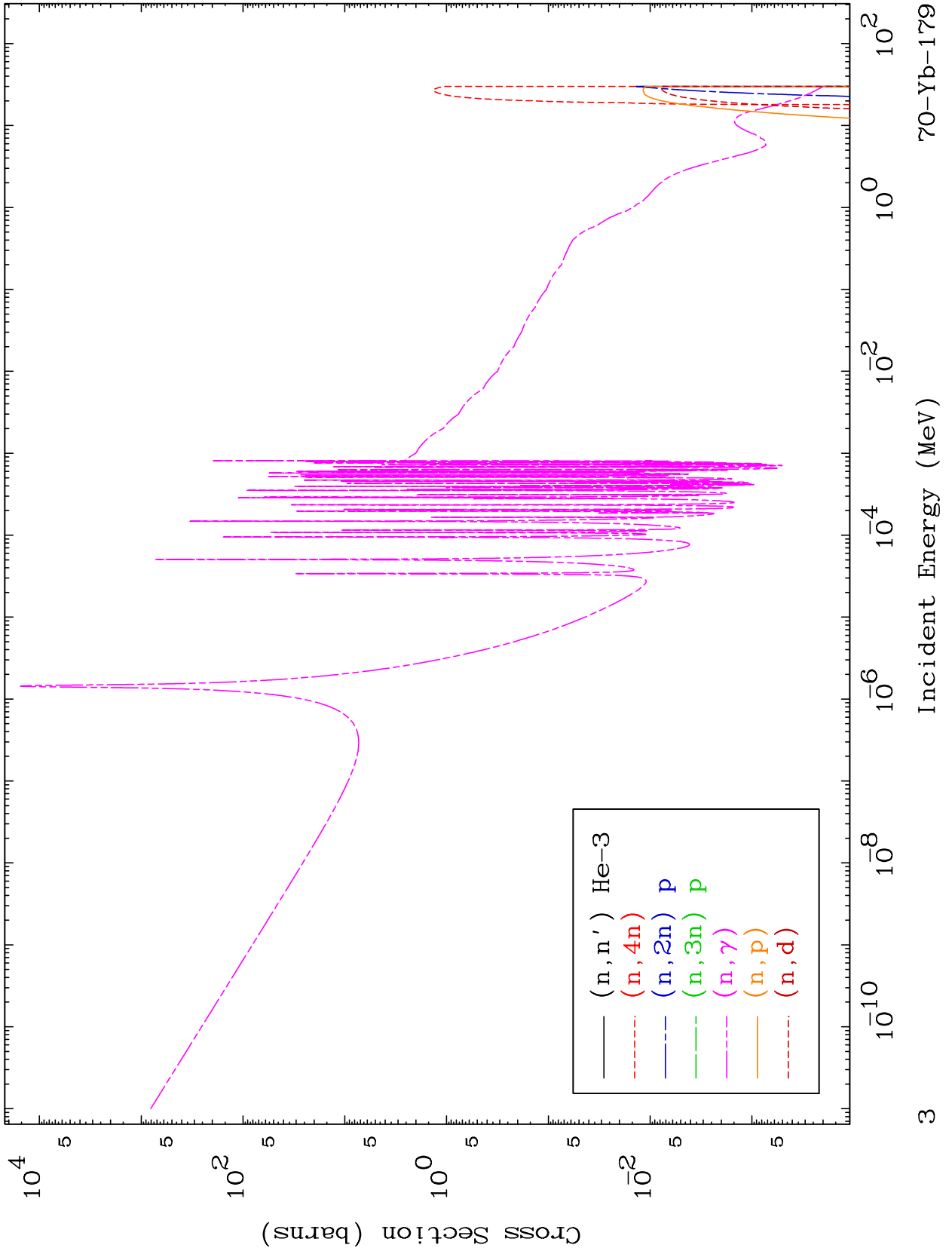
70-Yb-179



MAT 7058

Neutron Absorption  
293 Kelvin Cross Sections

70-Yb-179

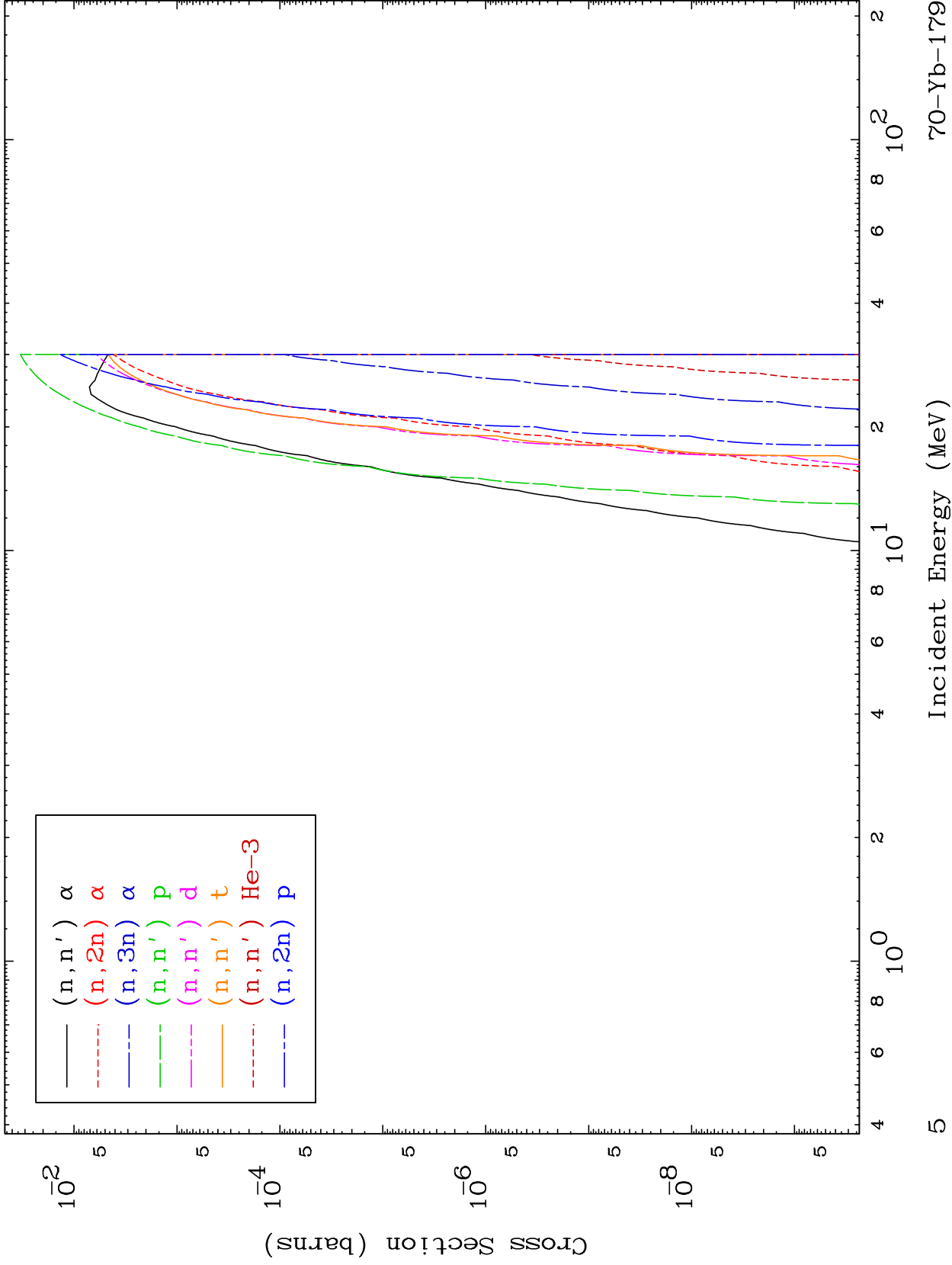




MAT 7058

Charged Particle  
293 Kelvin Cross Sections

70-Yb-179



5

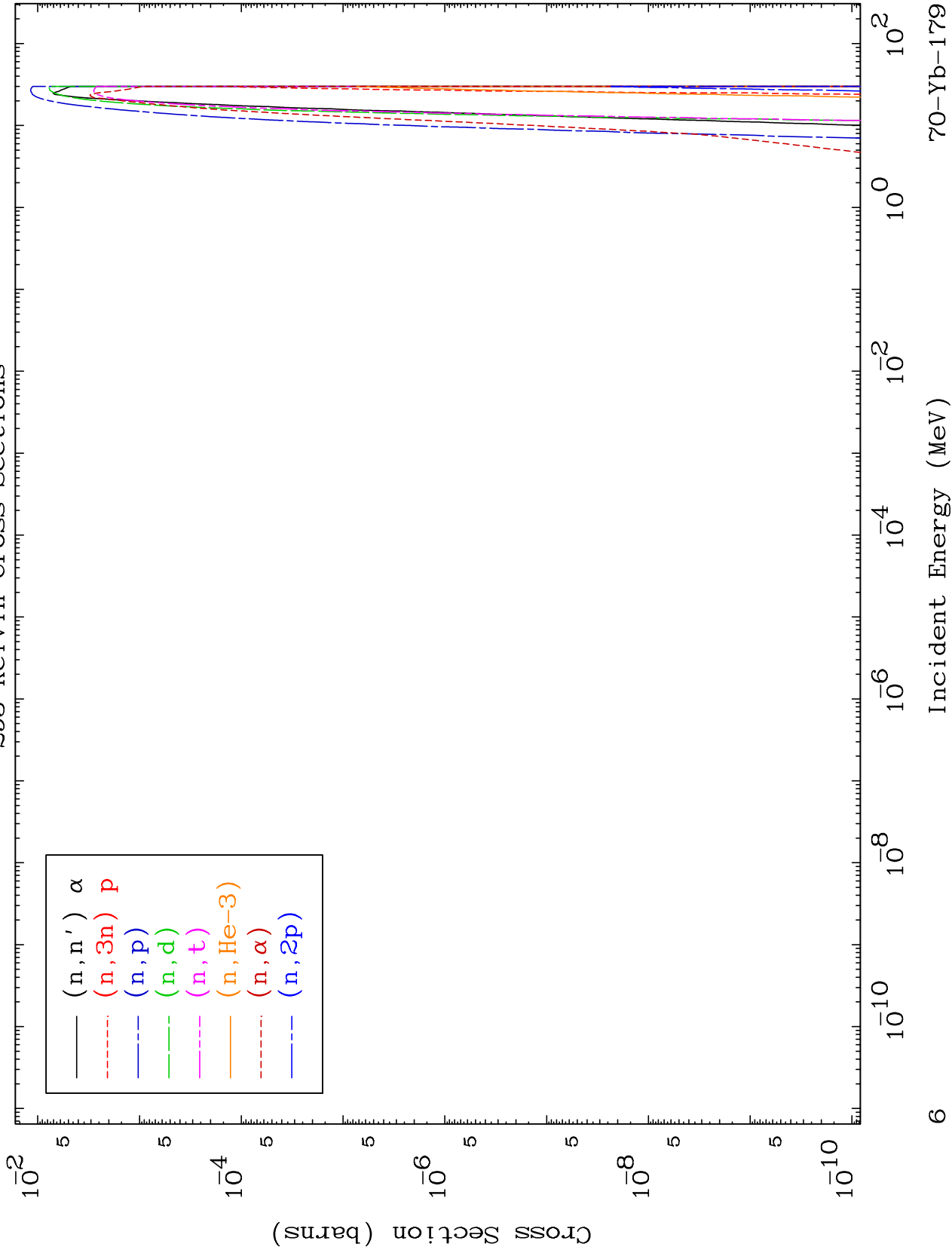
Incident Energy (MeV)

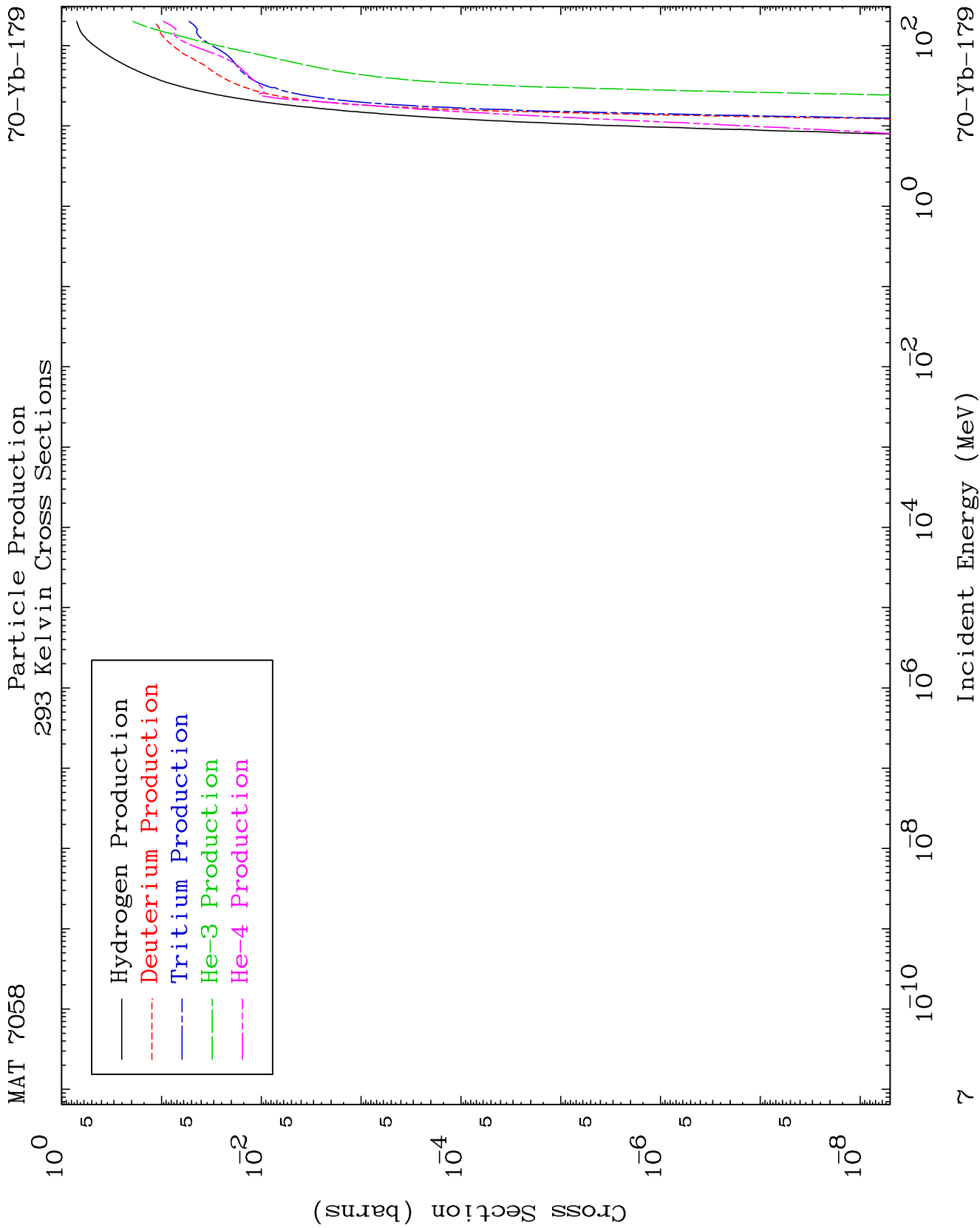
70-Yb-179

MAT 7058

Charged Particle  
293 Kelvin Cross Sections

70-Yb-179



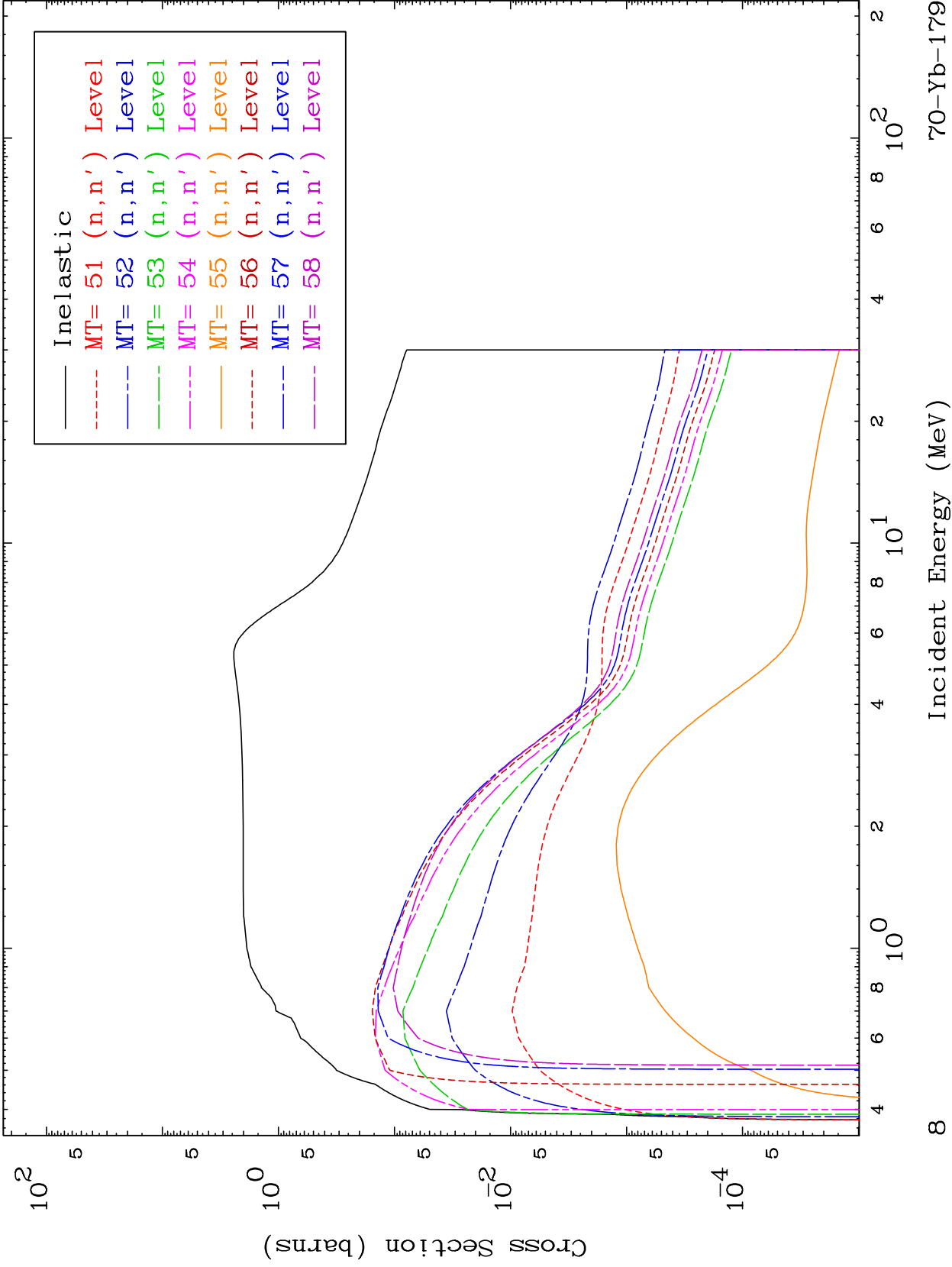


MAT 7058

(n,n') Levels

70-Yb-179

293 Kelvin Cross Sections



8

Incident Energy (MeV)

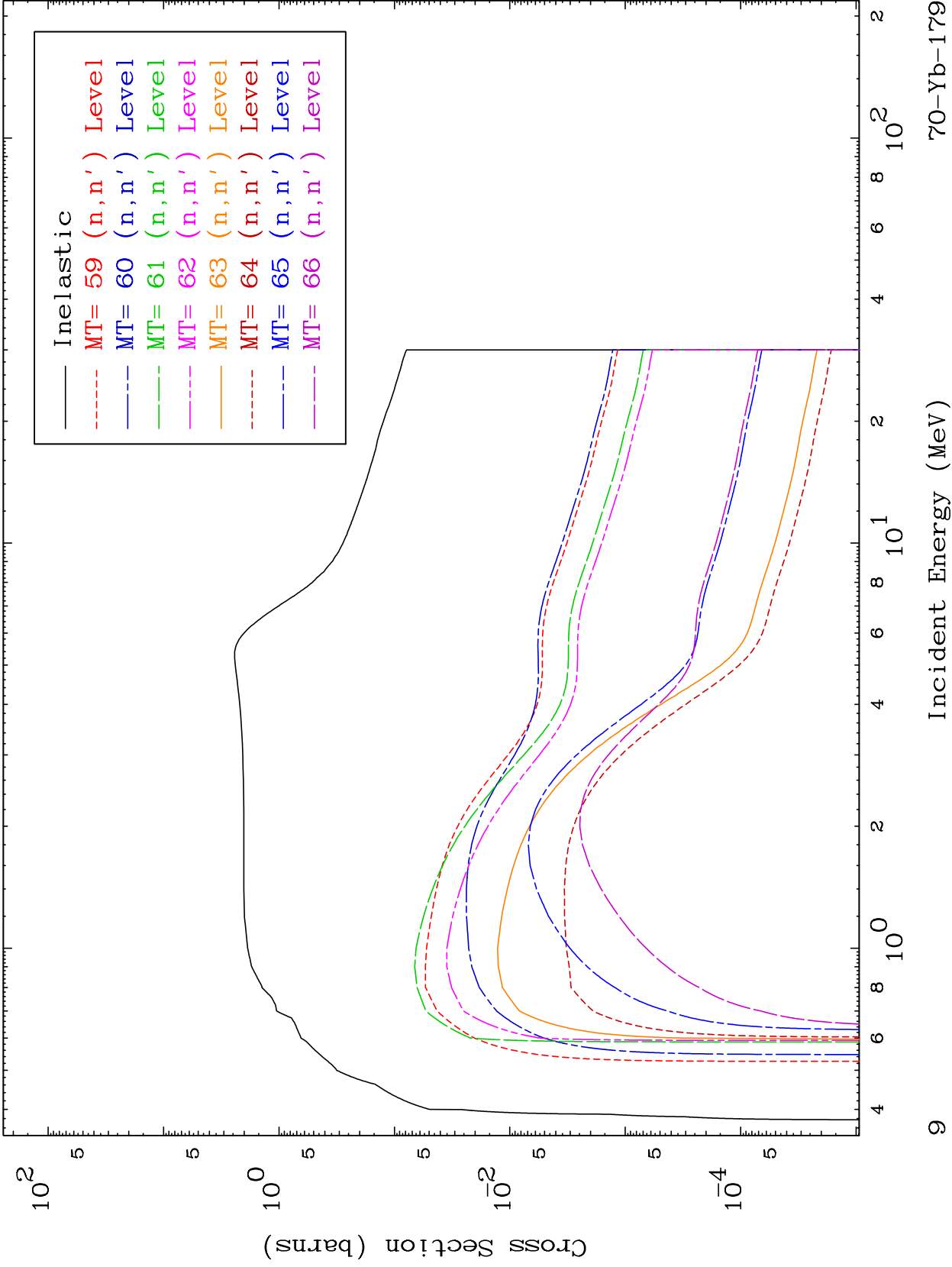
70-Yb-179

MAT 7058

(n,n') Levels

70-Yb-179

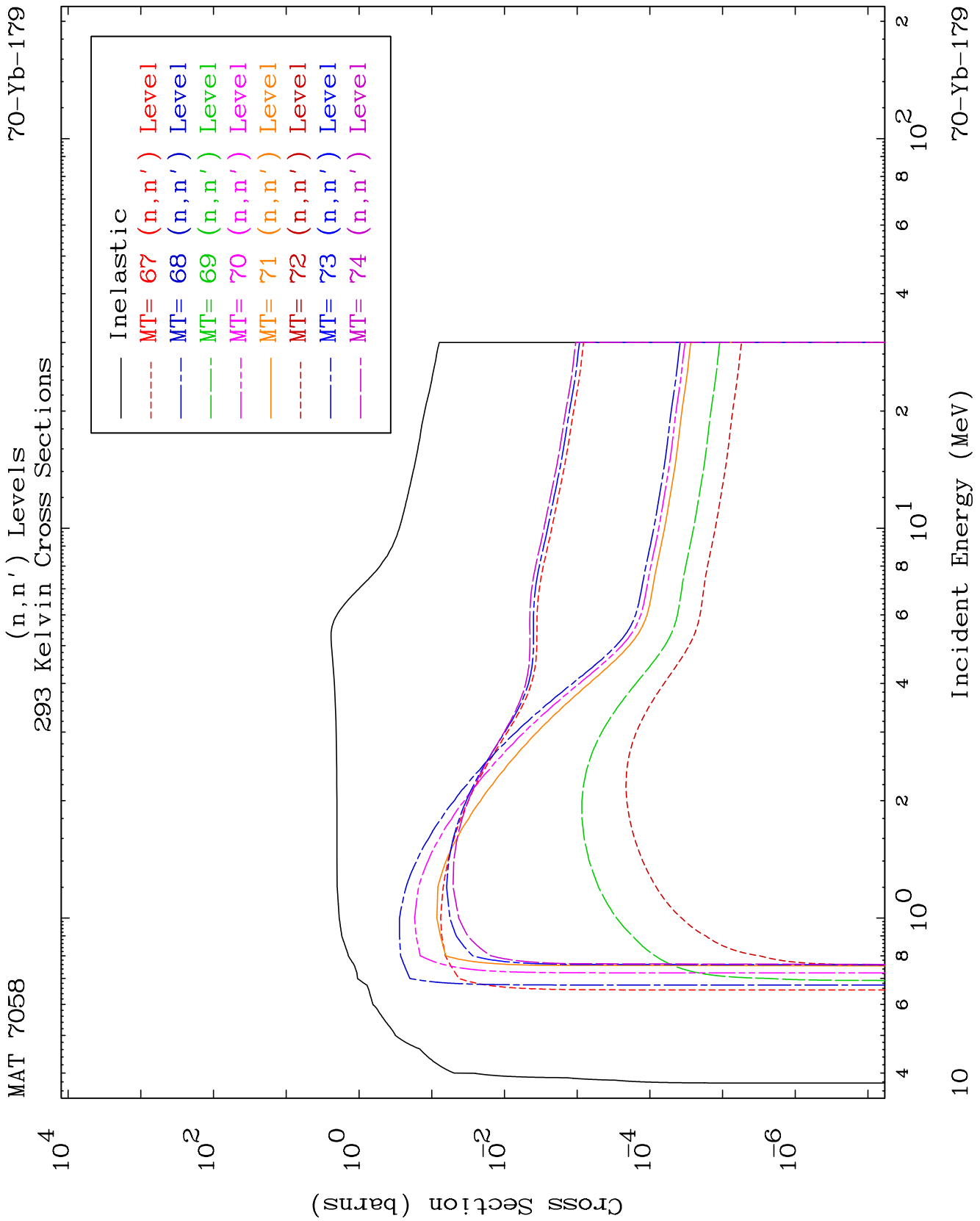
293 Kelvin Cross Sections



9

Incident Energy (MeV)

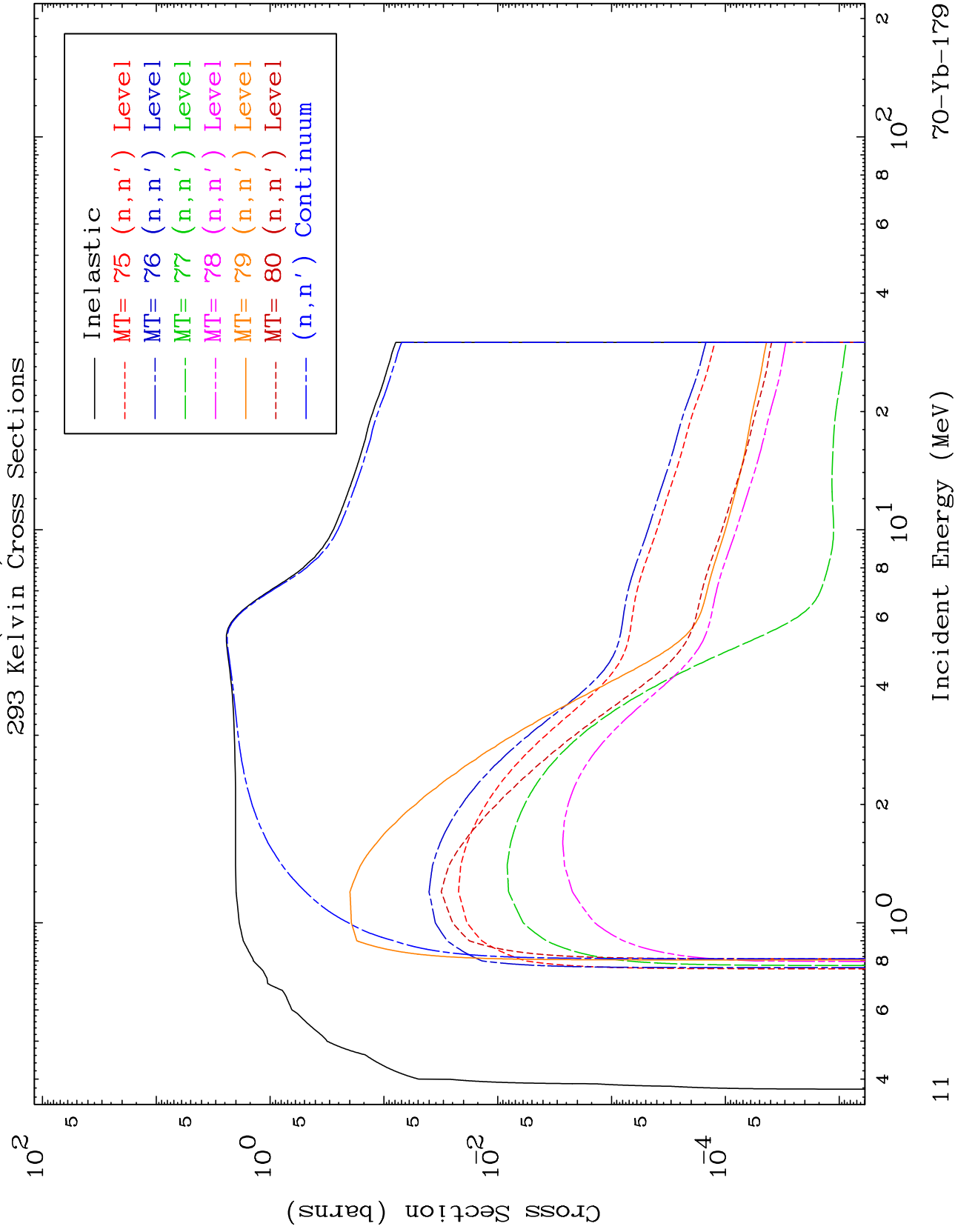
70-Yb-179



MAT 7058

(n,n') Levels

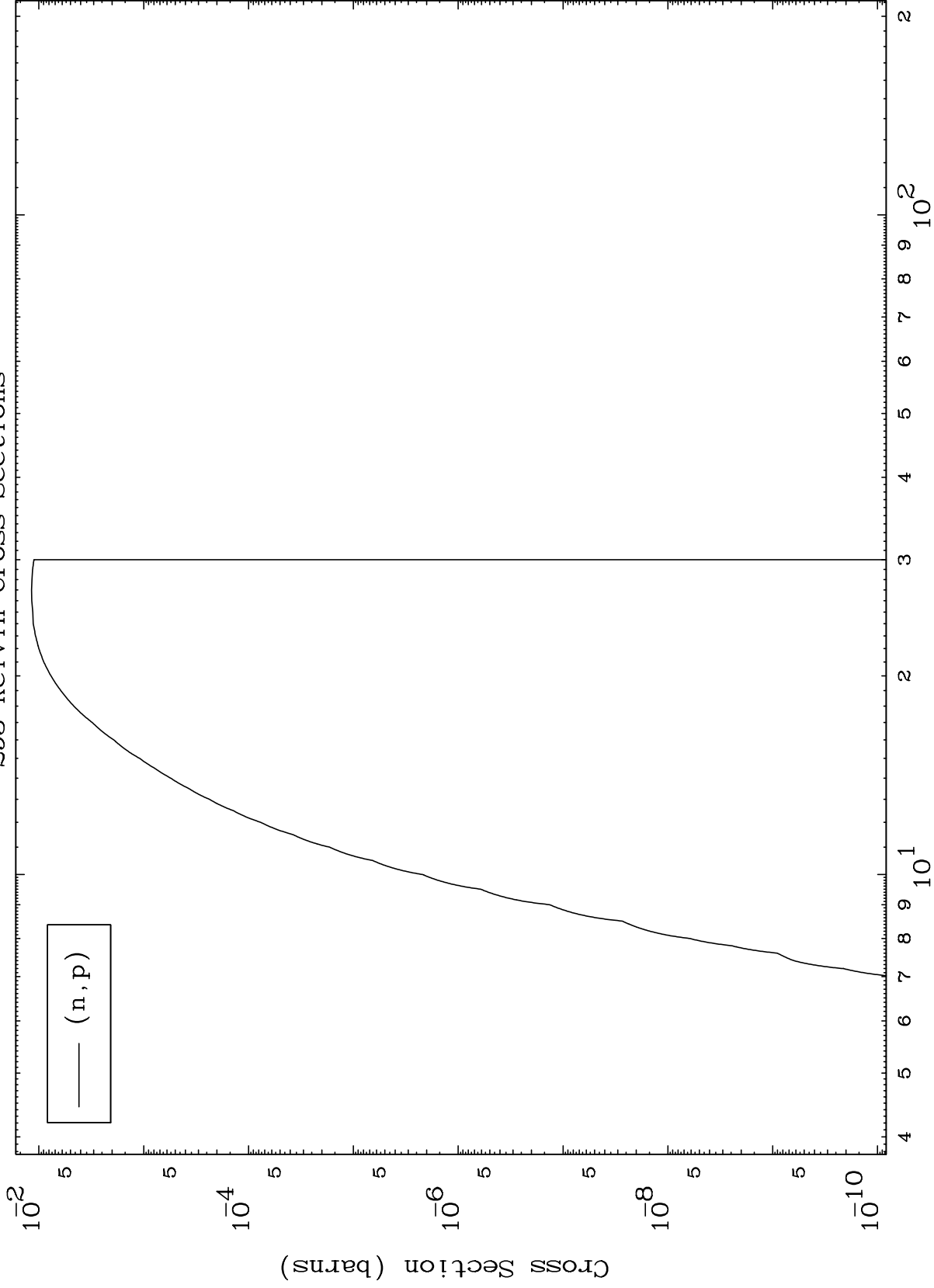
70-Yb-179



MAT 7058

(n,p) Levels  
293 Kelvin Cross Sections

70-Yb-179



(n,p)

Incident Energy (MeV)

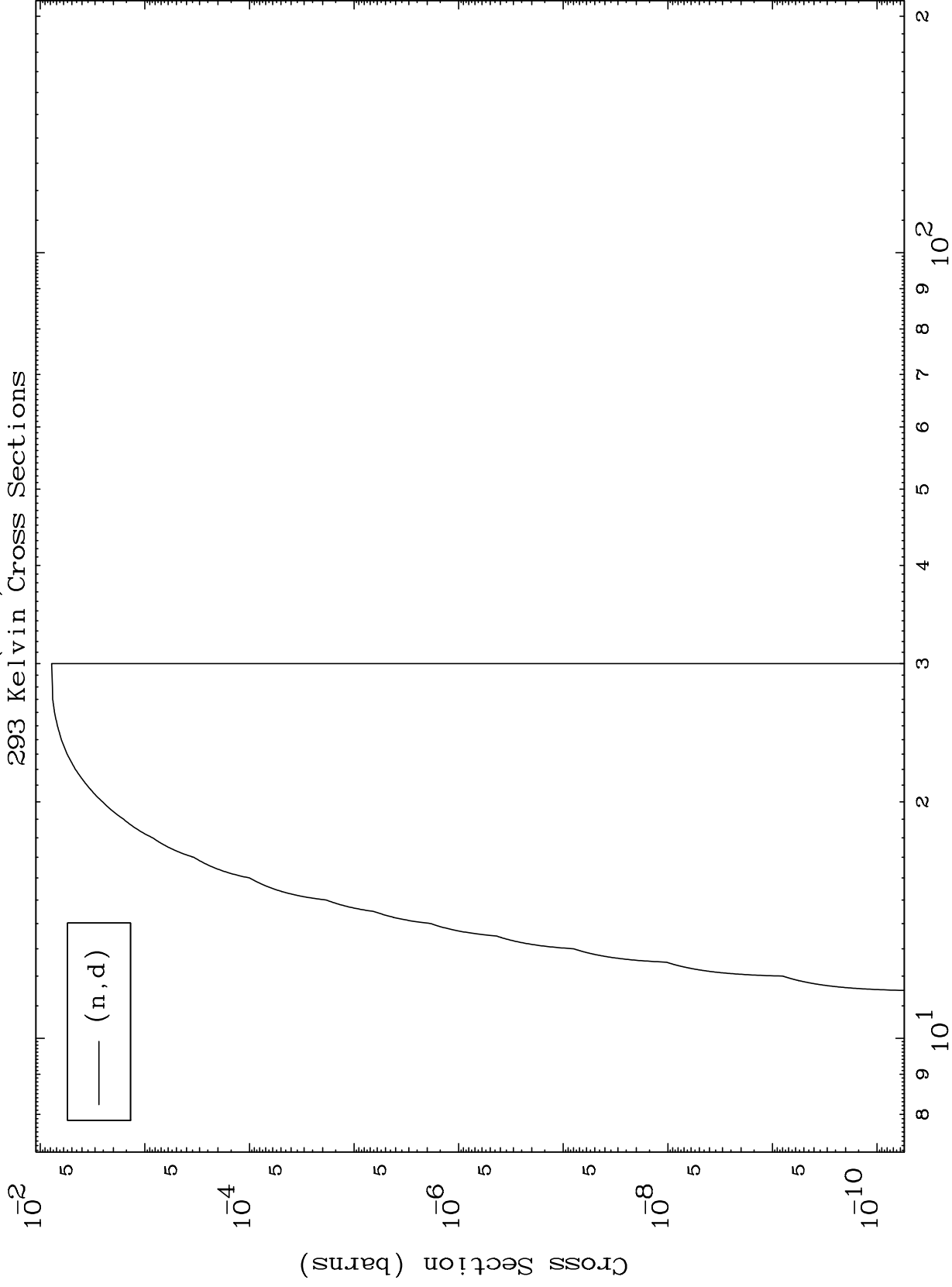
70-Yb-179

12

MAT 7058

(n,d) Levels  
293 Kelvin Cross Sections

70-Yb-179



13

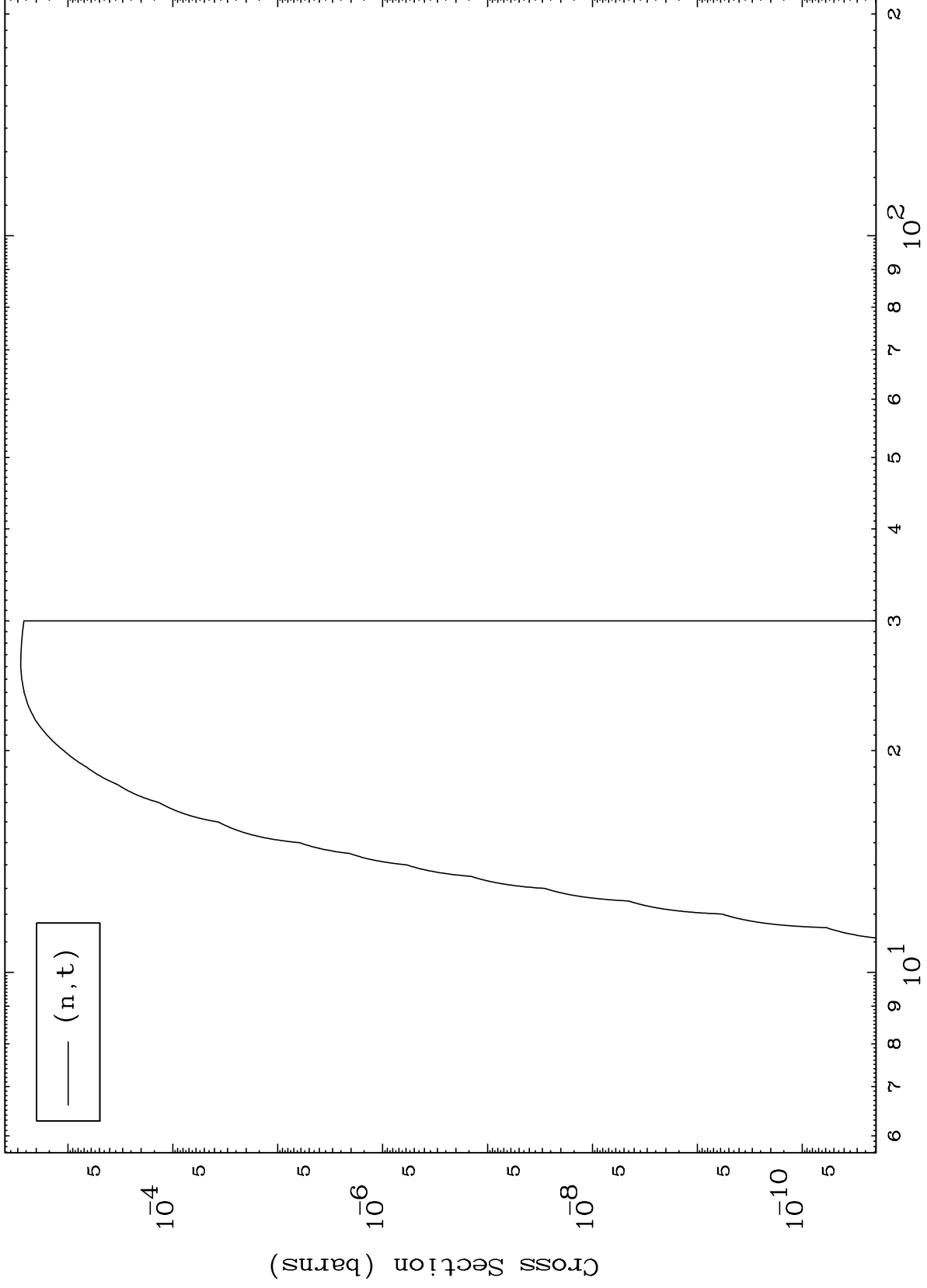
Incident Energy (MeV)

70-Yb-179

MAT 7058

(n, t) Levels  
293 Kelvin Cross Sections

70-Yb-179



14

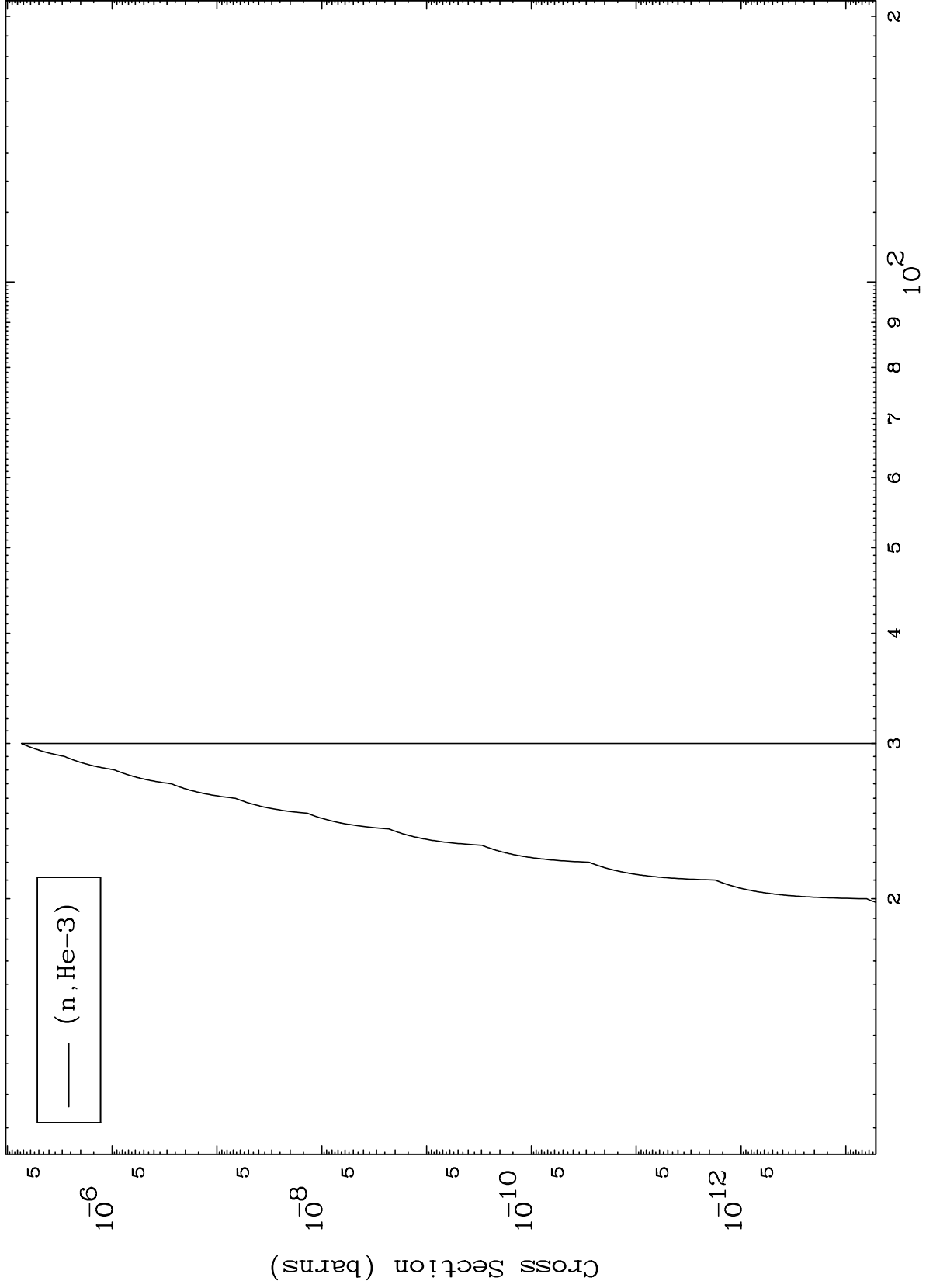
Incident Energy (MeV)

70-Yb-179

MAT 7058

(n,He3) Levels  
293 Kelvin Cross Sections

70-Yb-179



15

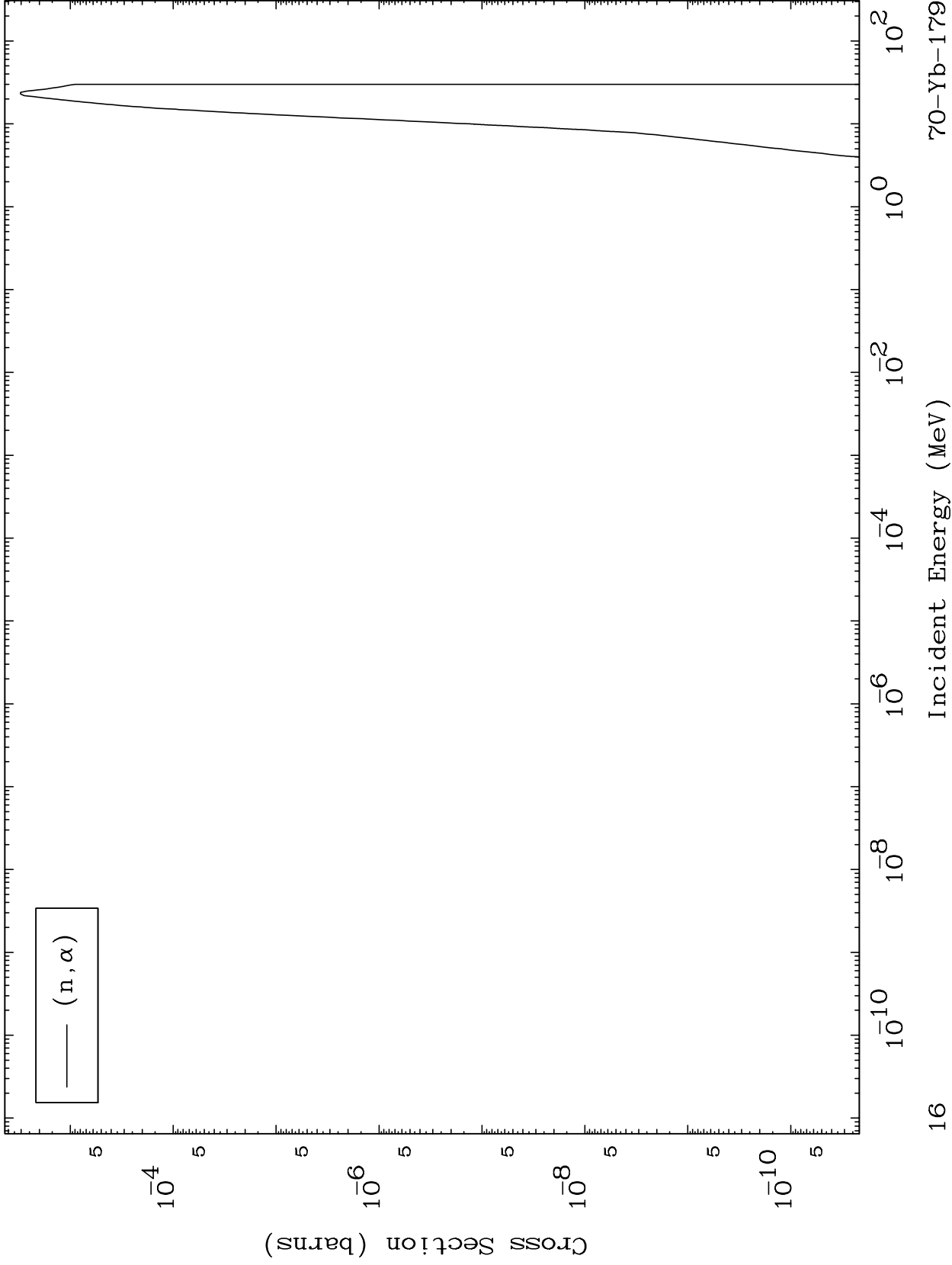
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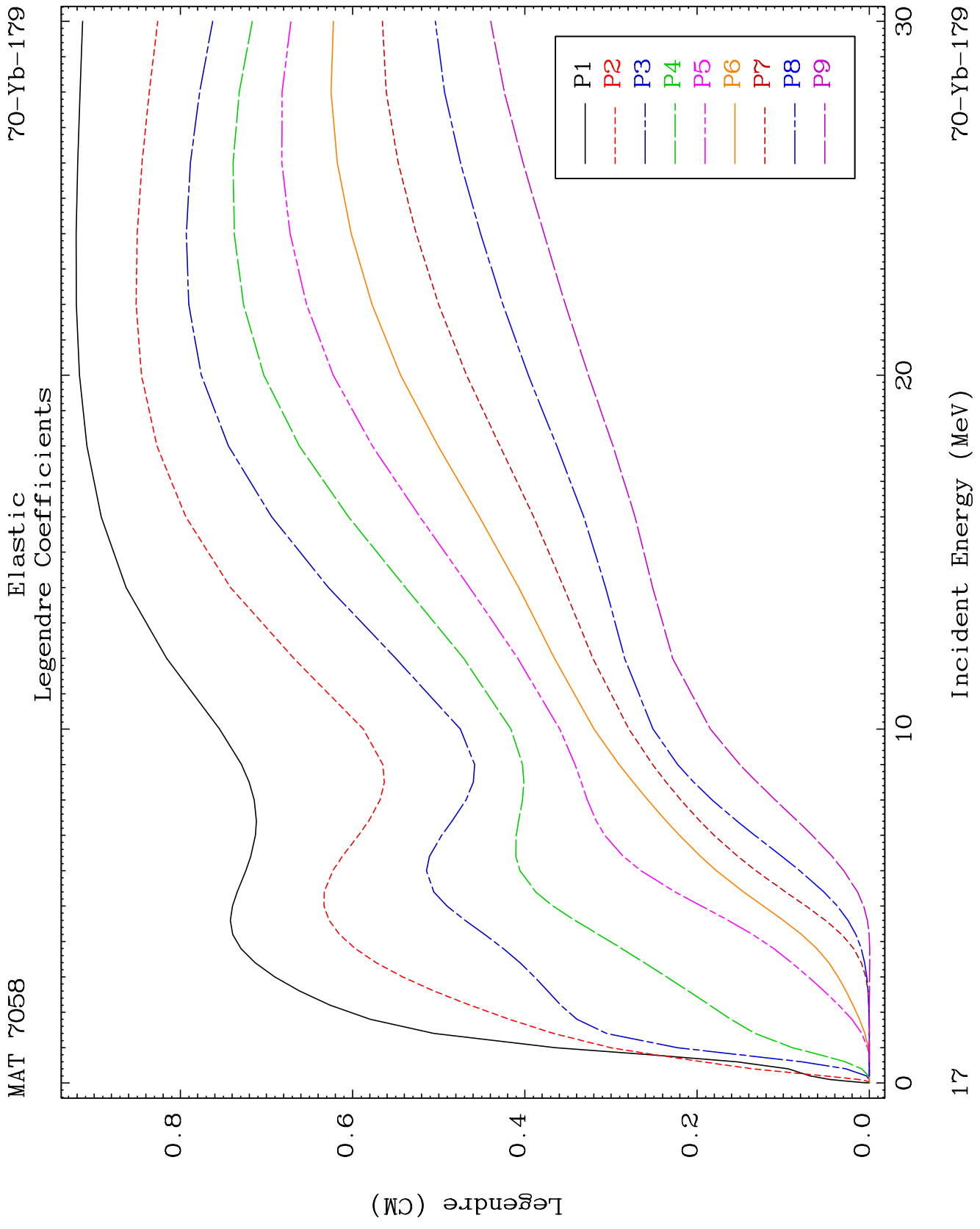
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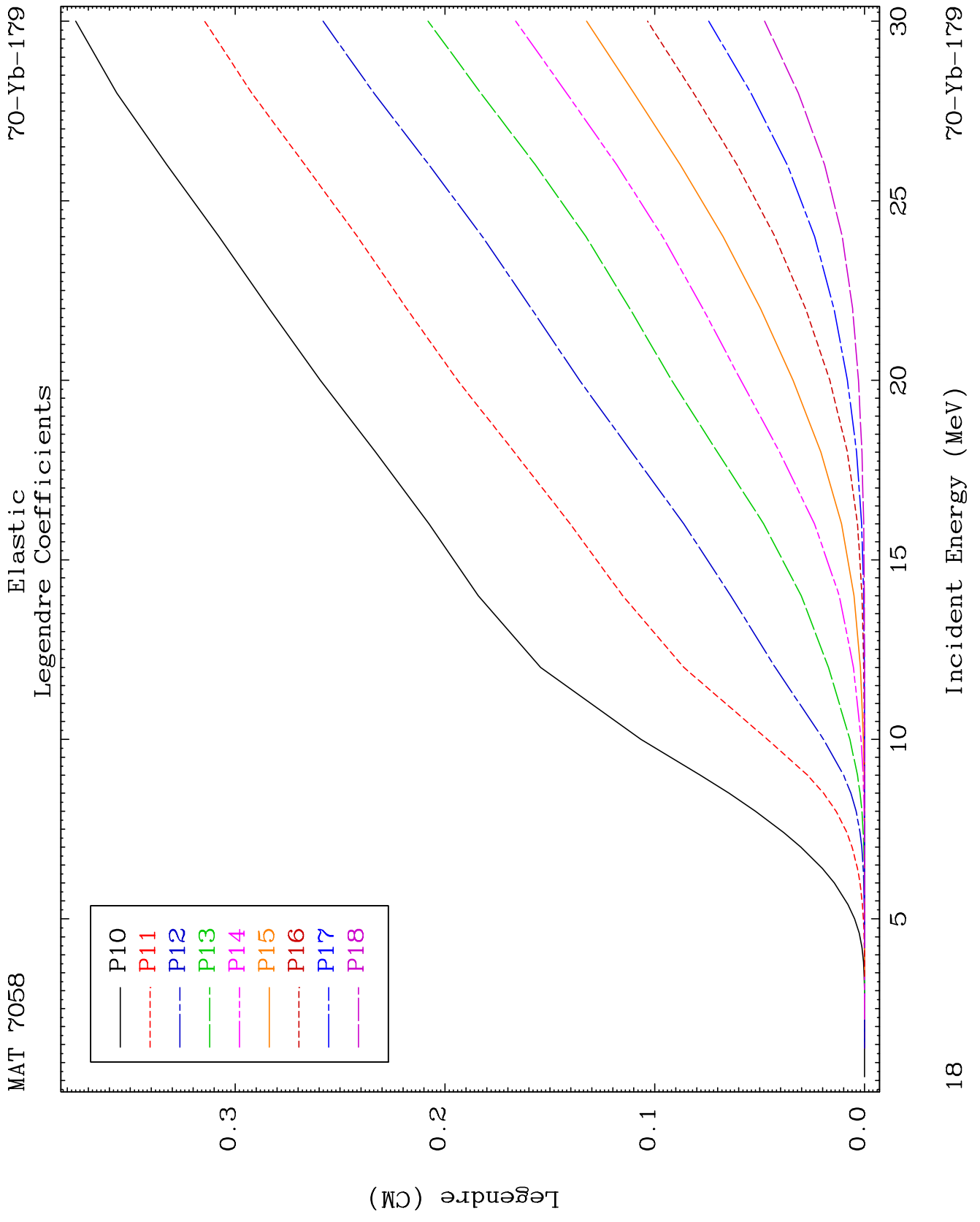
MAT 7058

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

70-Yb-179



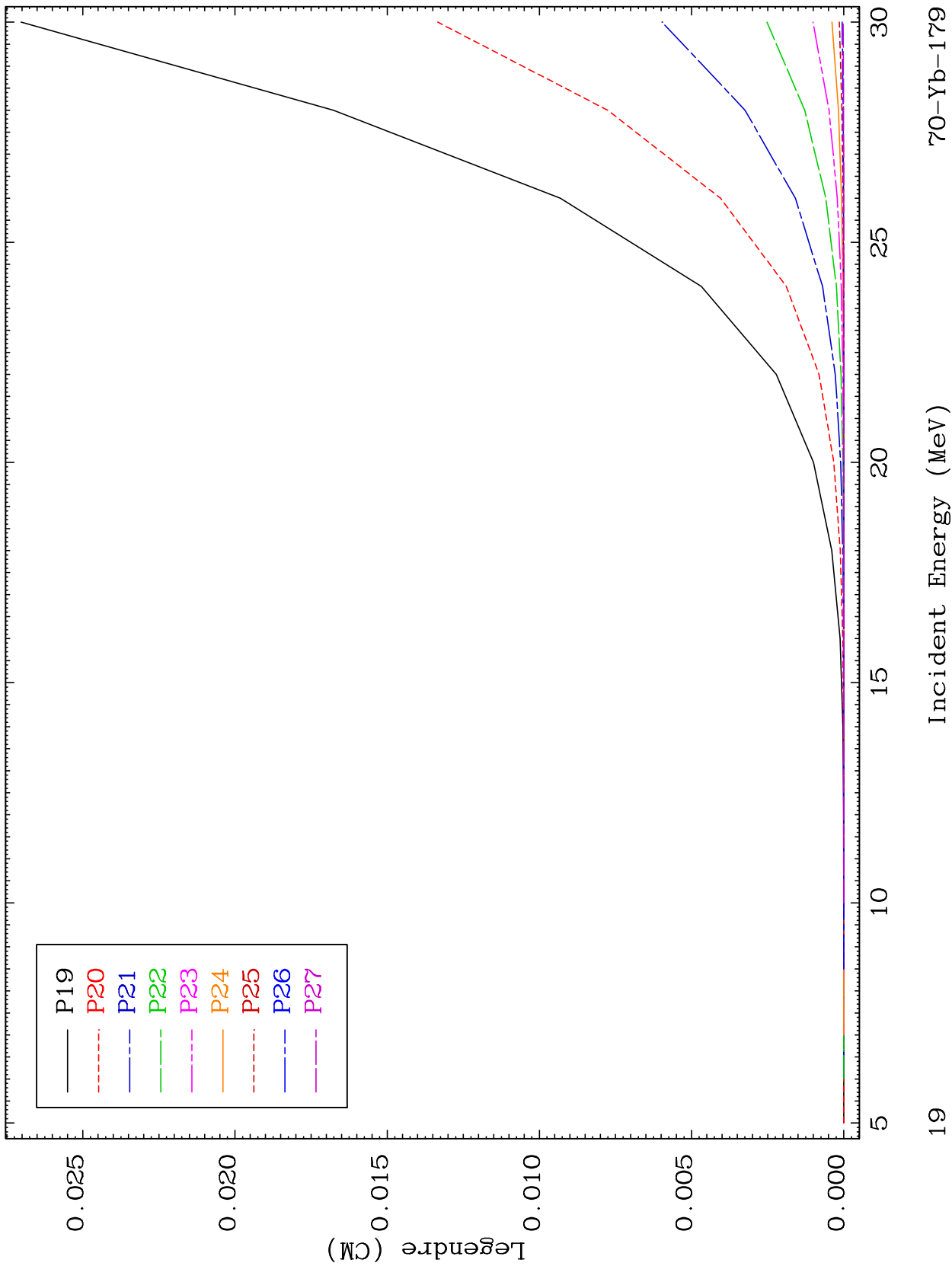




MAT 7058

Elastic Legendre Coefficients

70-Yb-179



19

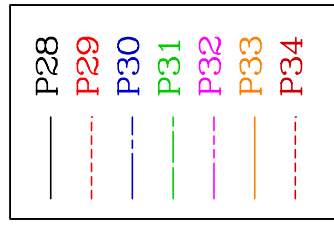
Incident Energy (MeV)

70-Yb-179

MAT 7058

Elastic Legendre Coefficients

70-Yb-179



$\times 10^{-66}$

Legendre (CM)

4

2

0

15

20

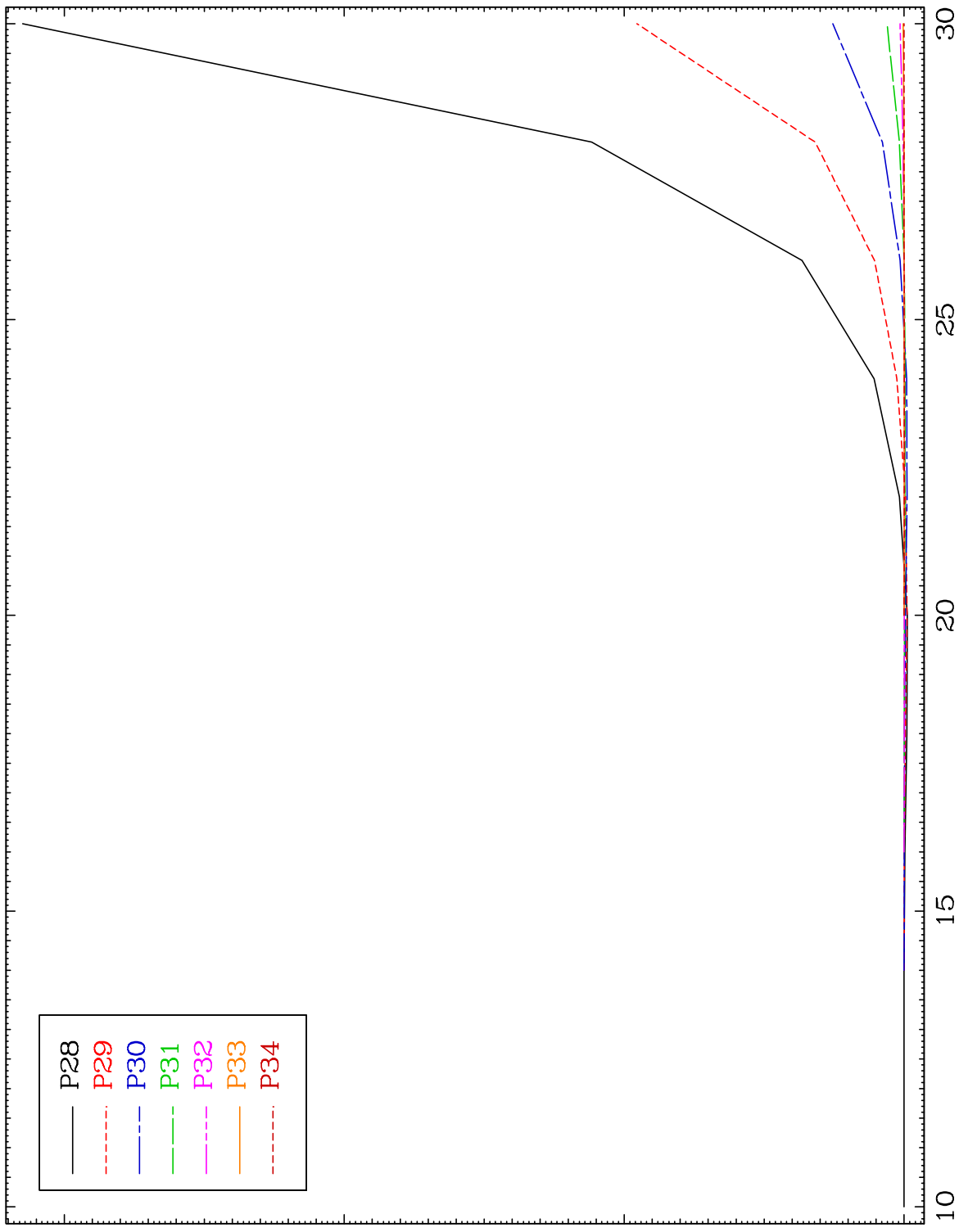
25

30

20

Incident Energy (MeV)

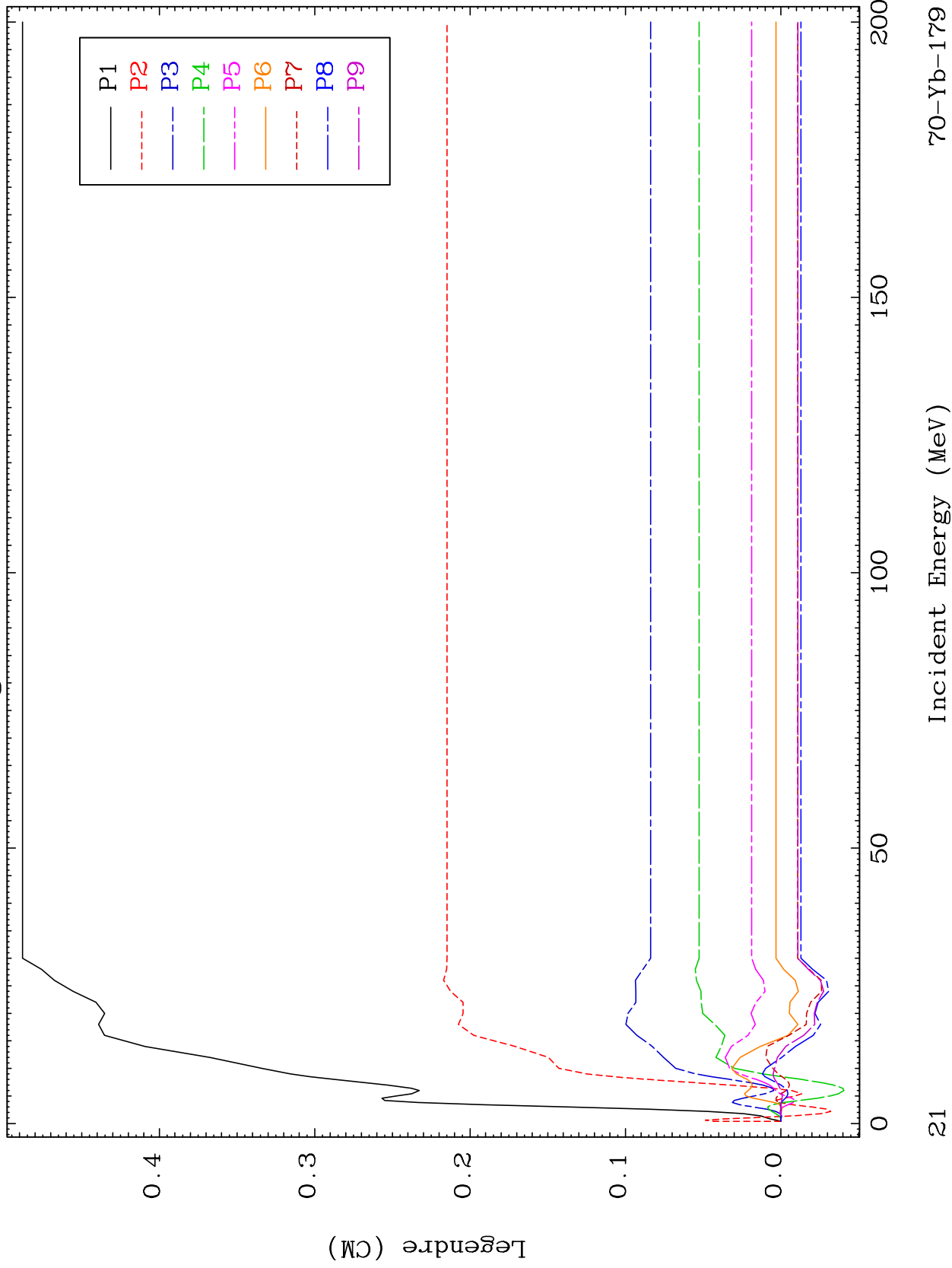
70-Yb-179



MAT 7058

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

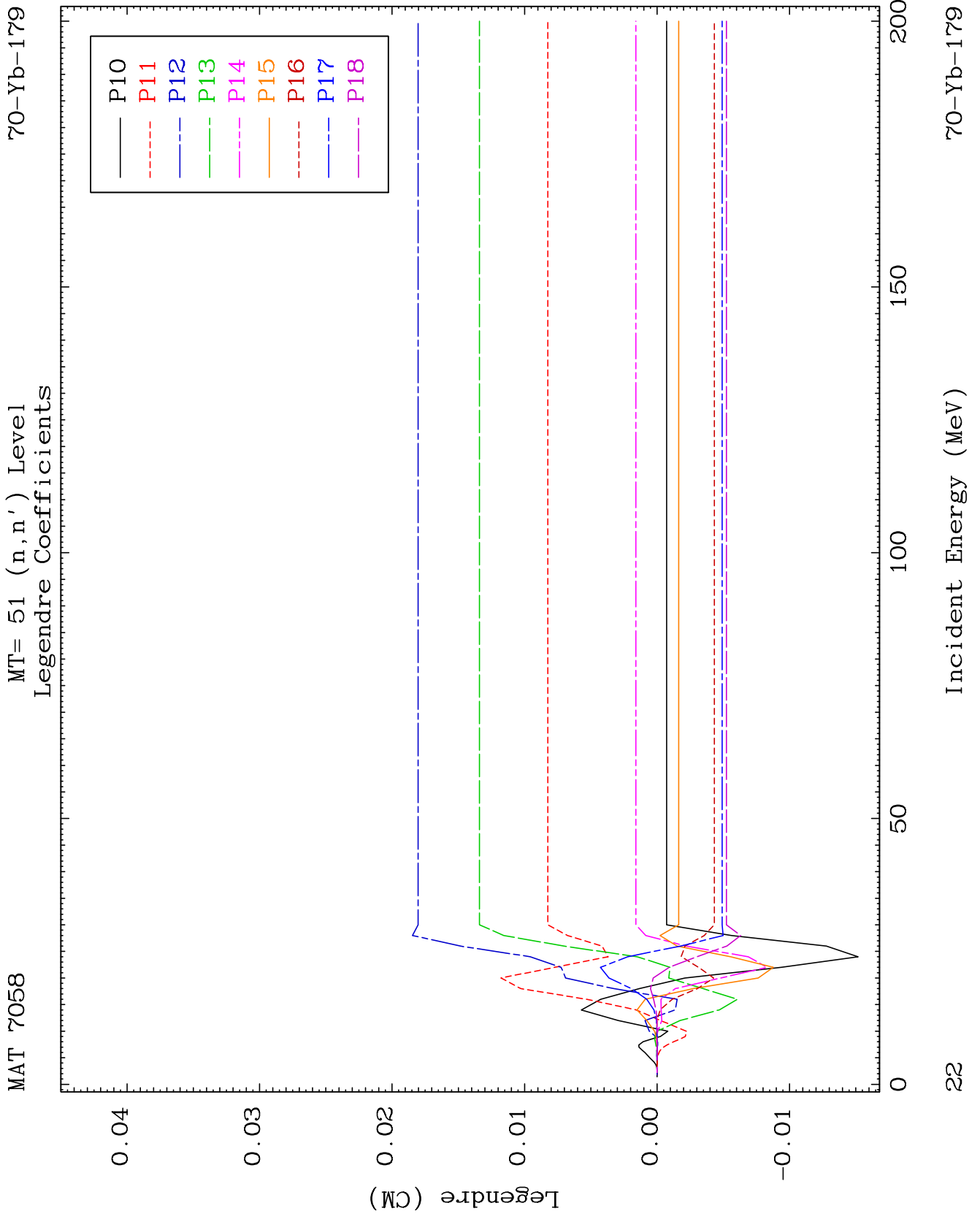
70-Yb-179



21

Incident Energy (MeV)

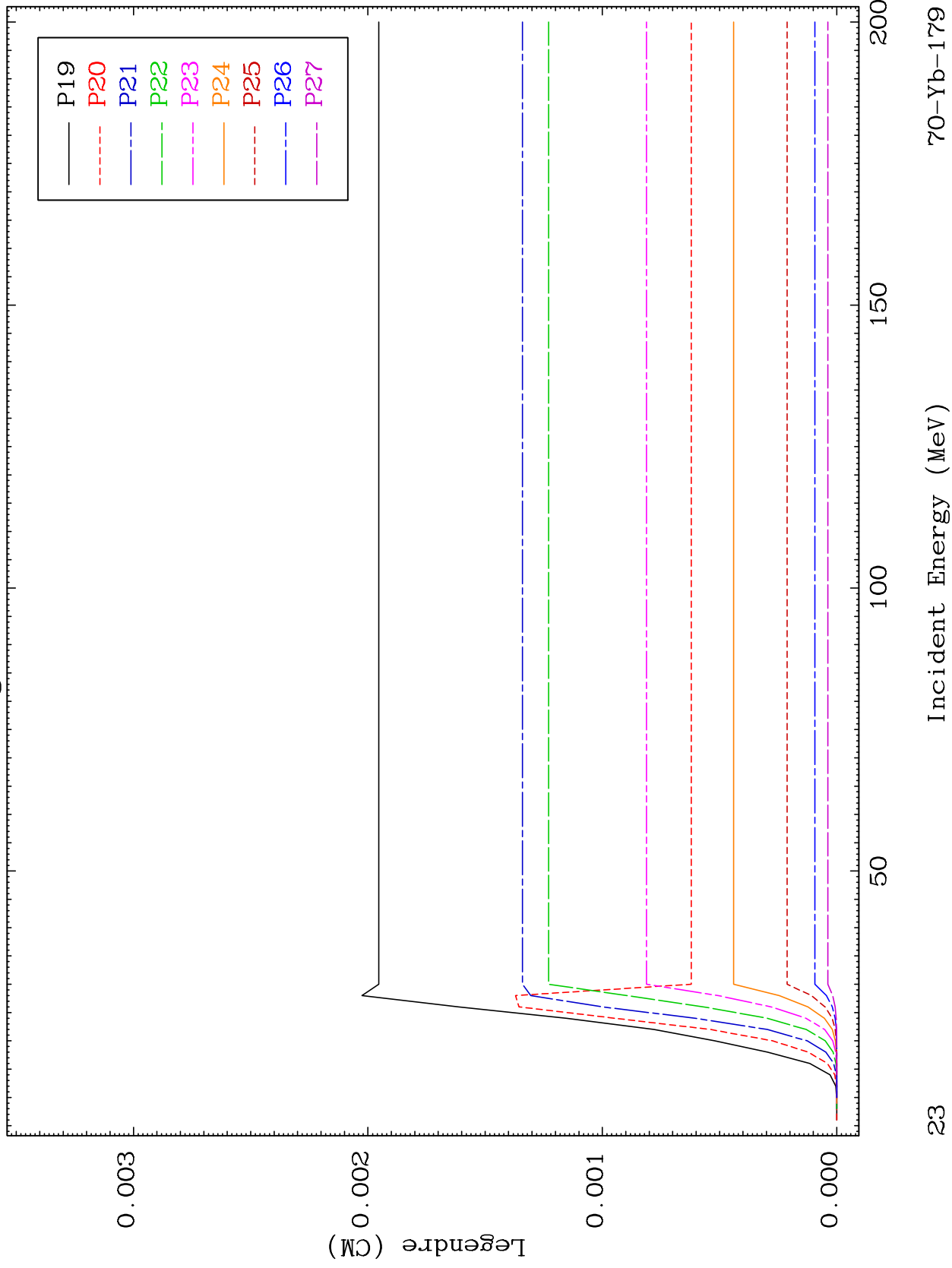
70-Yb-179



MAT 7058

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

70-Yb-179



23

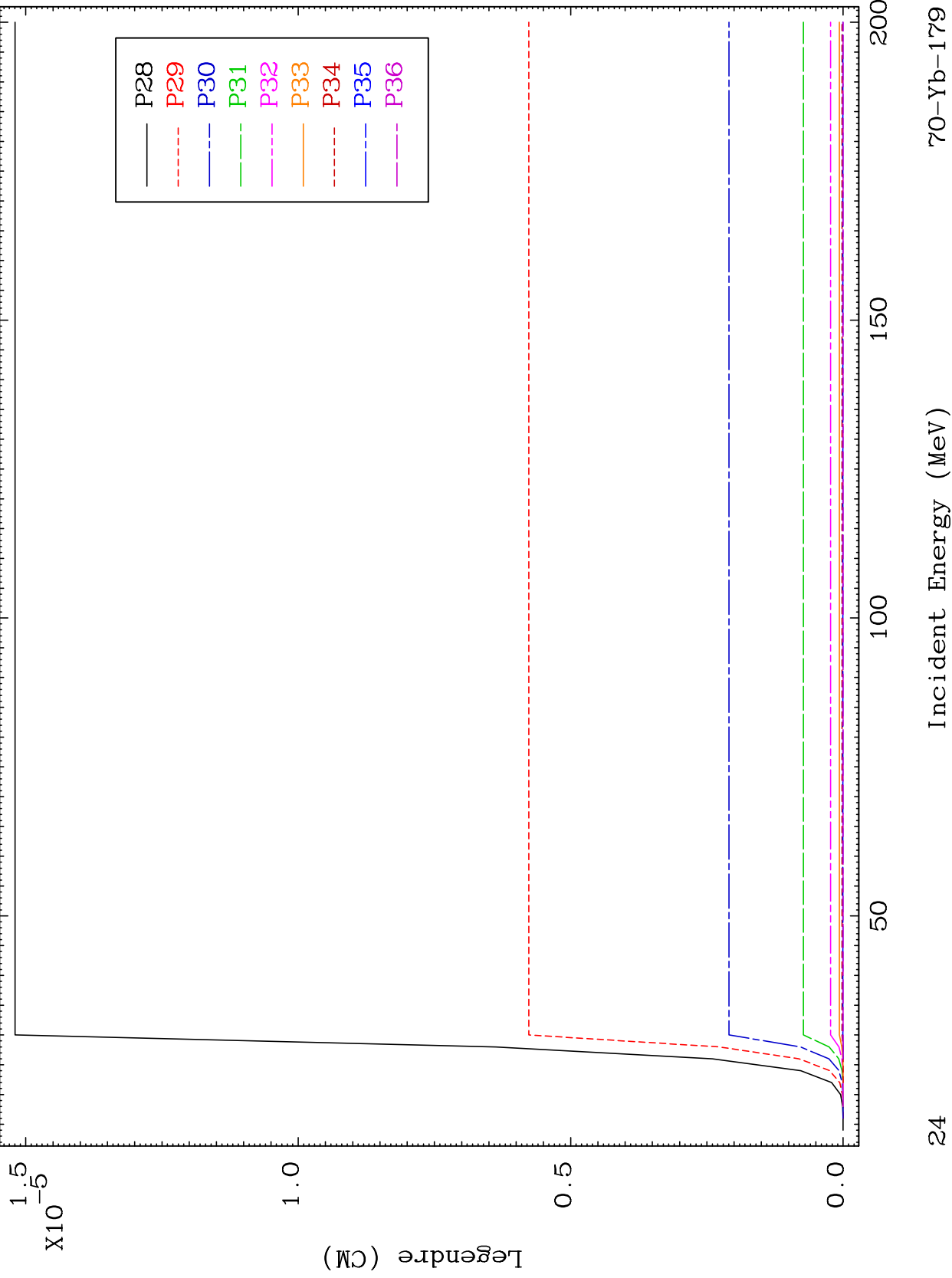
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

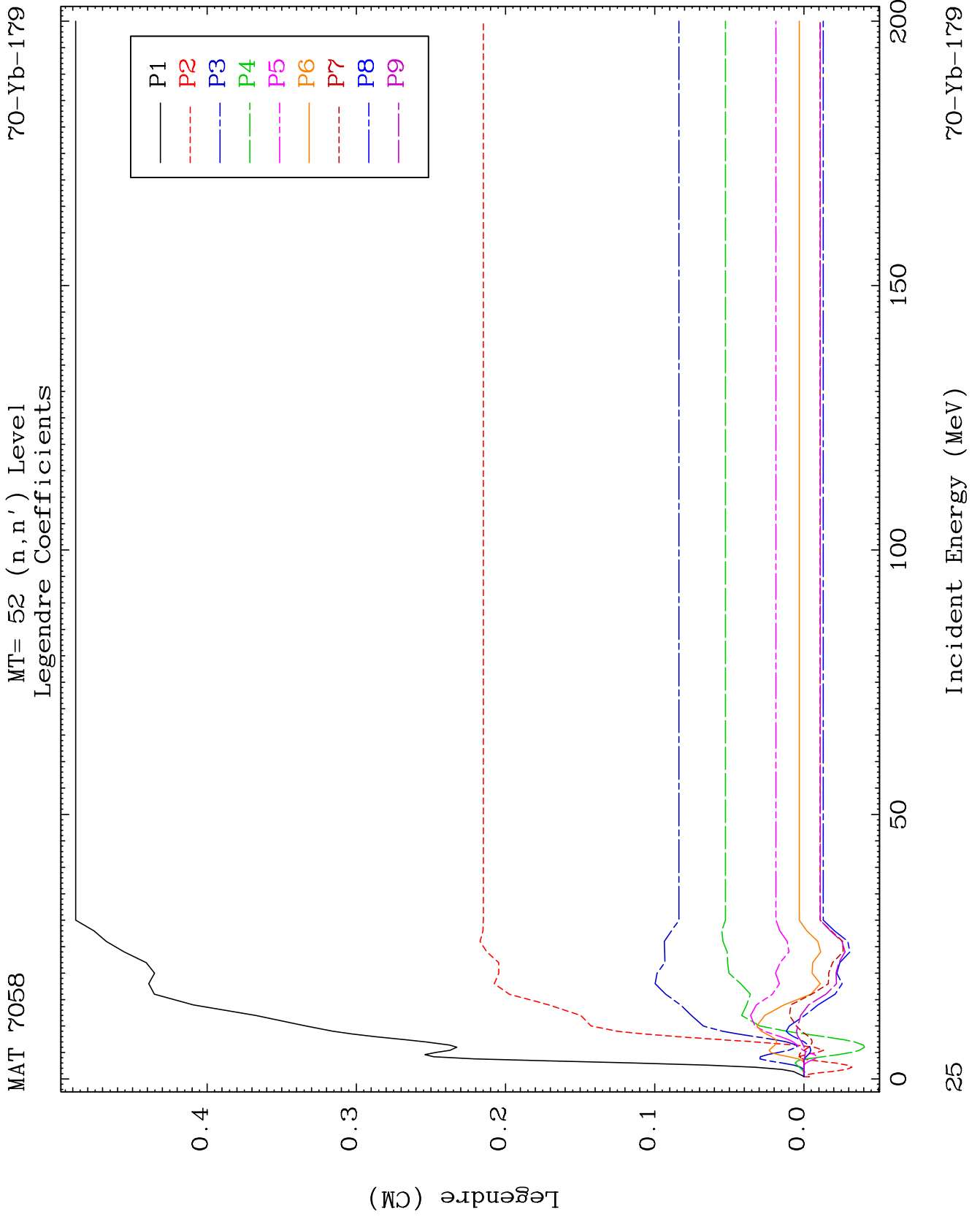
70-Yb-179

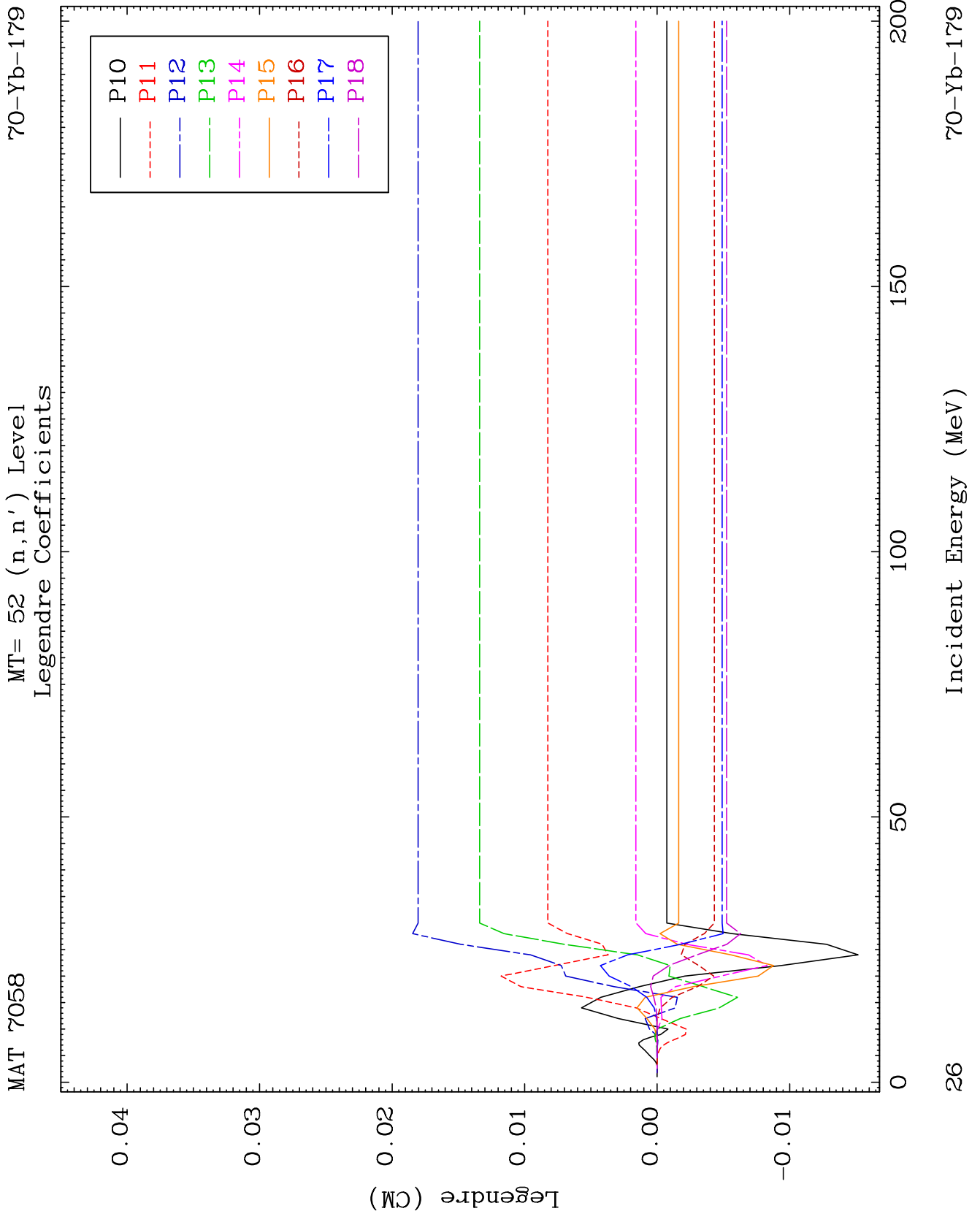


24

Incident Energy (MeV)

70-Yb-179

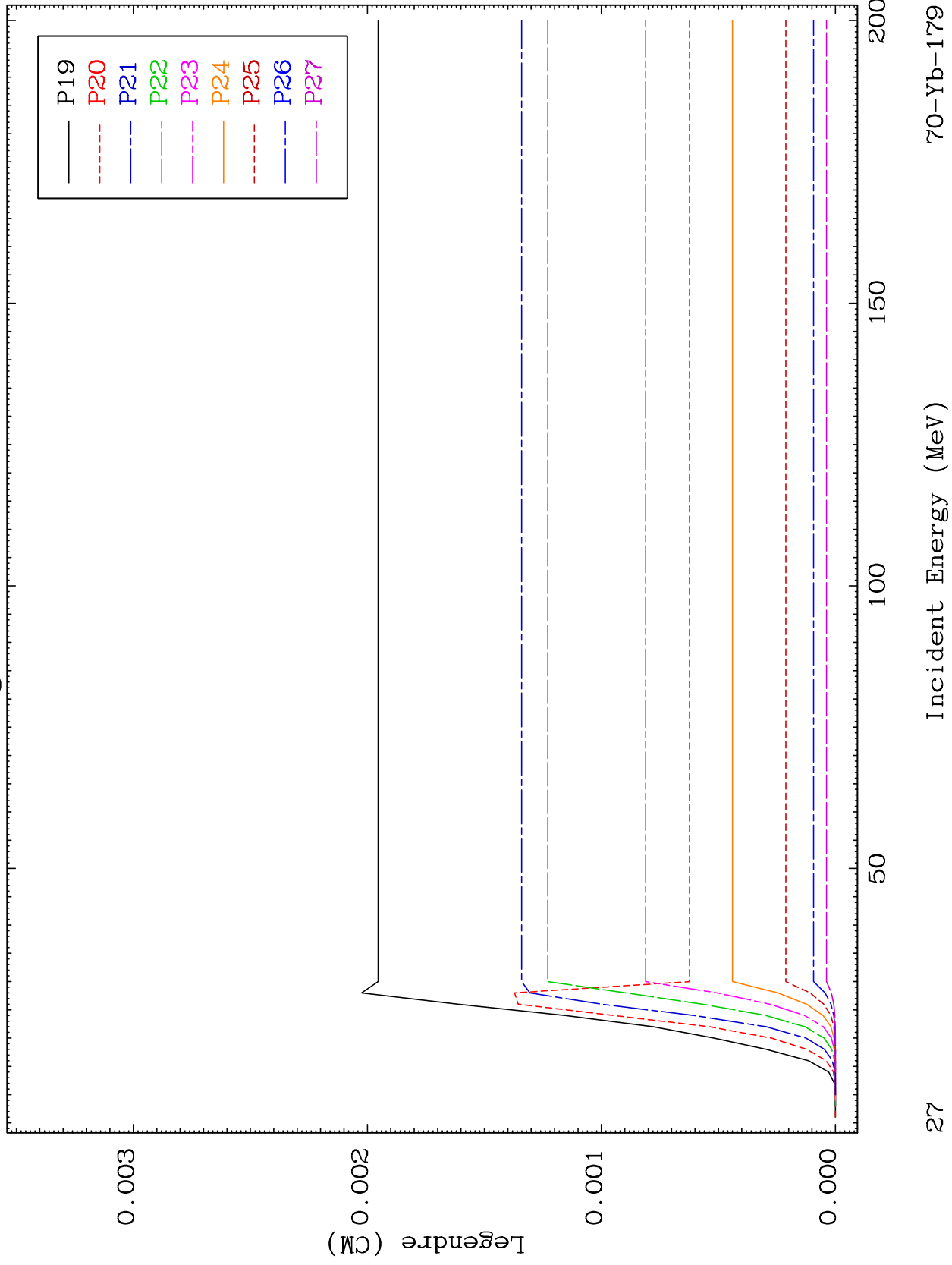




MAT 7058

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

70-Yb-179



27

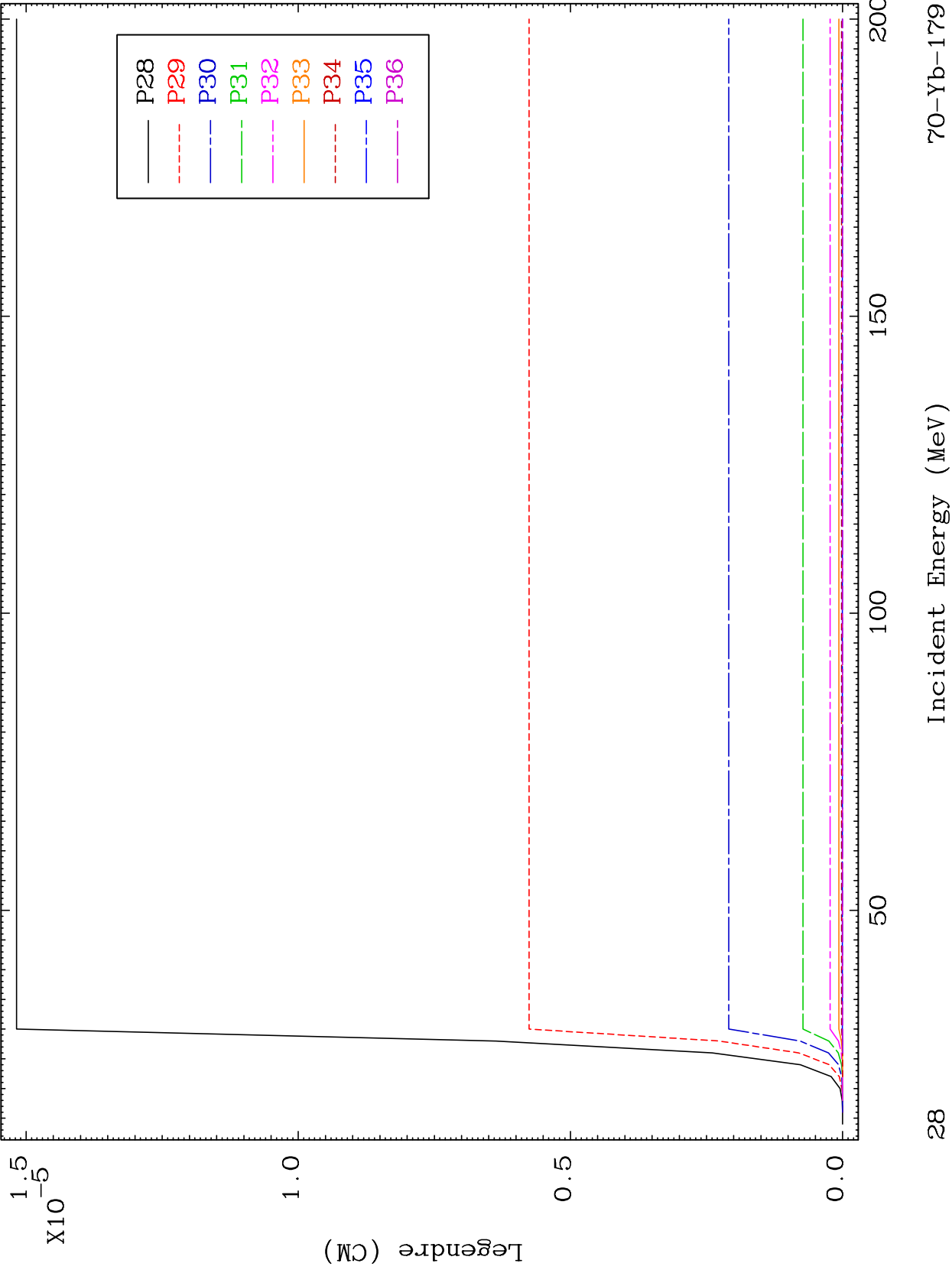
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179

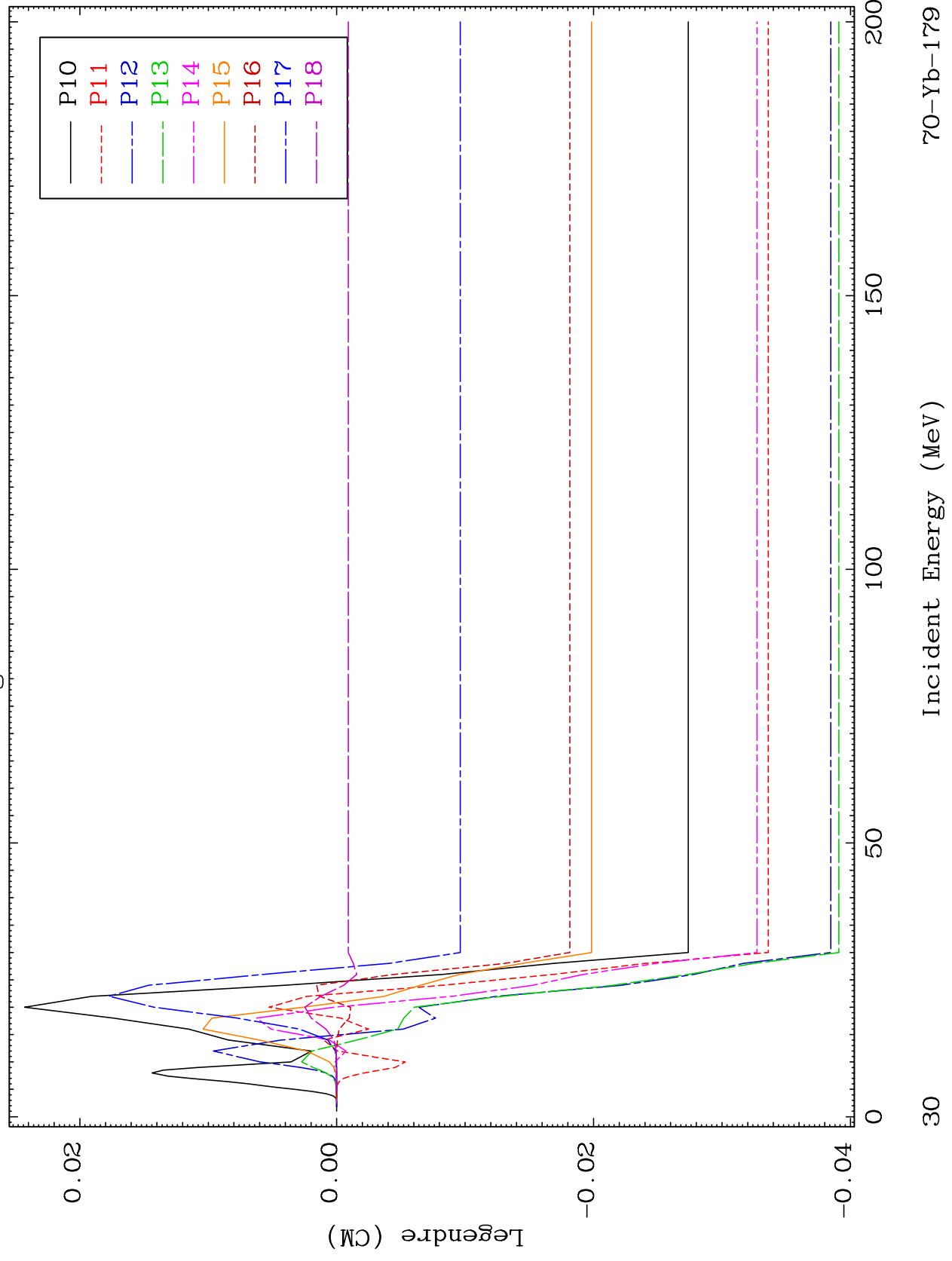




MAT 7058

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

70-Yb-179



70-Yb-179

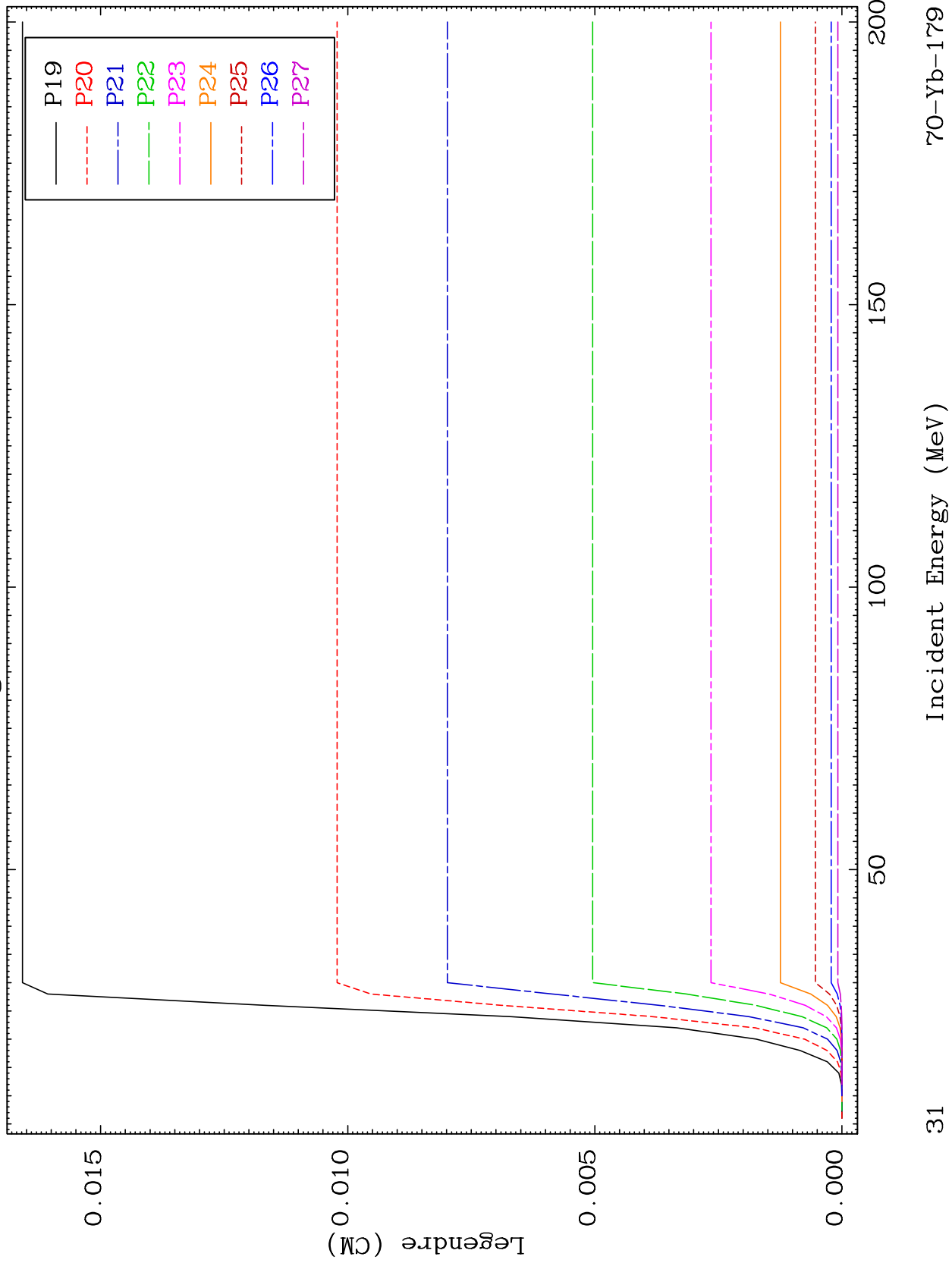
Incident Energy (MeV)

30

MAT 7058

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

70-Yb-179



31

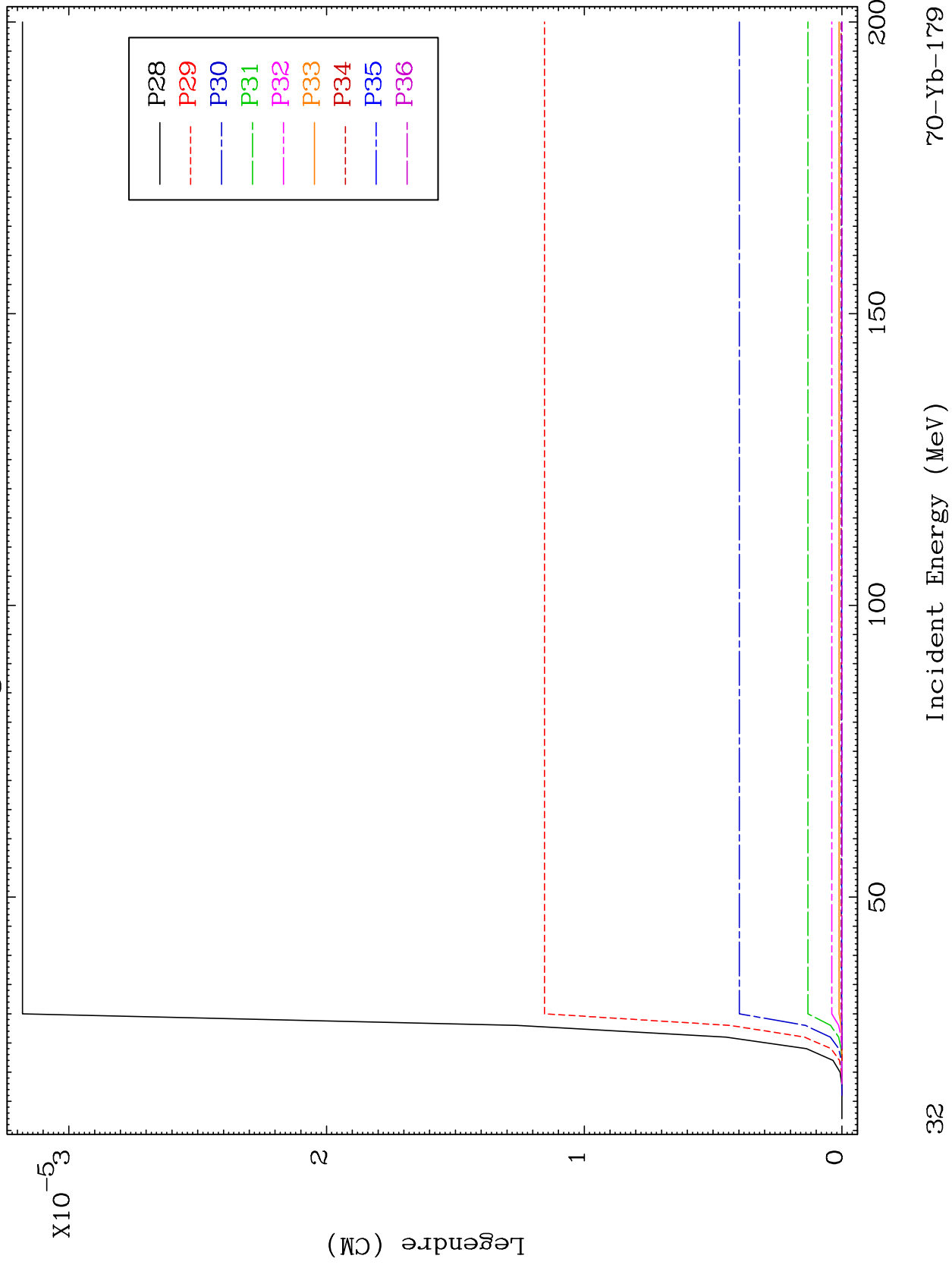
Incident Energy (MeV)

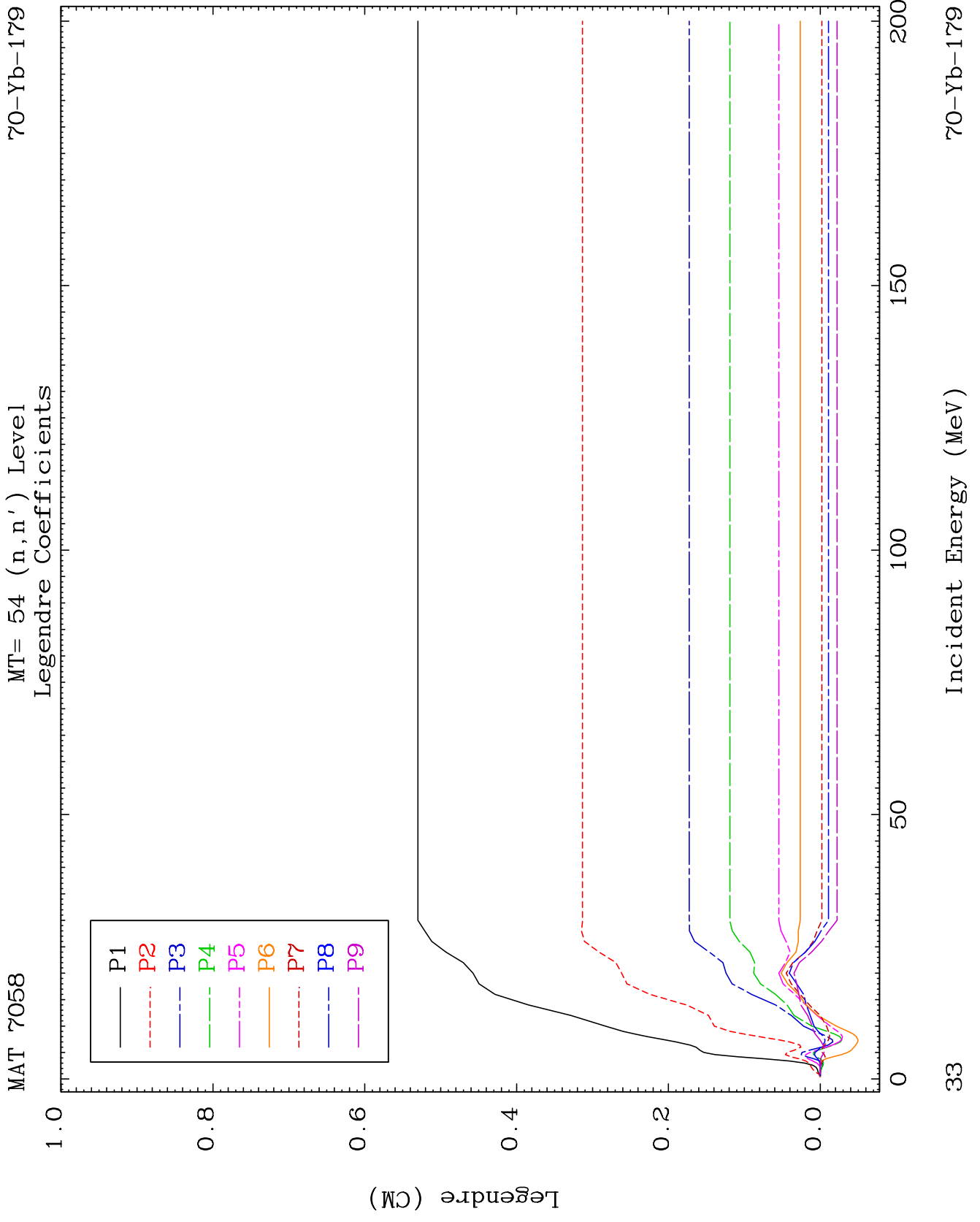
70-Yb-179

MAT 7058

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

70-Yb-179

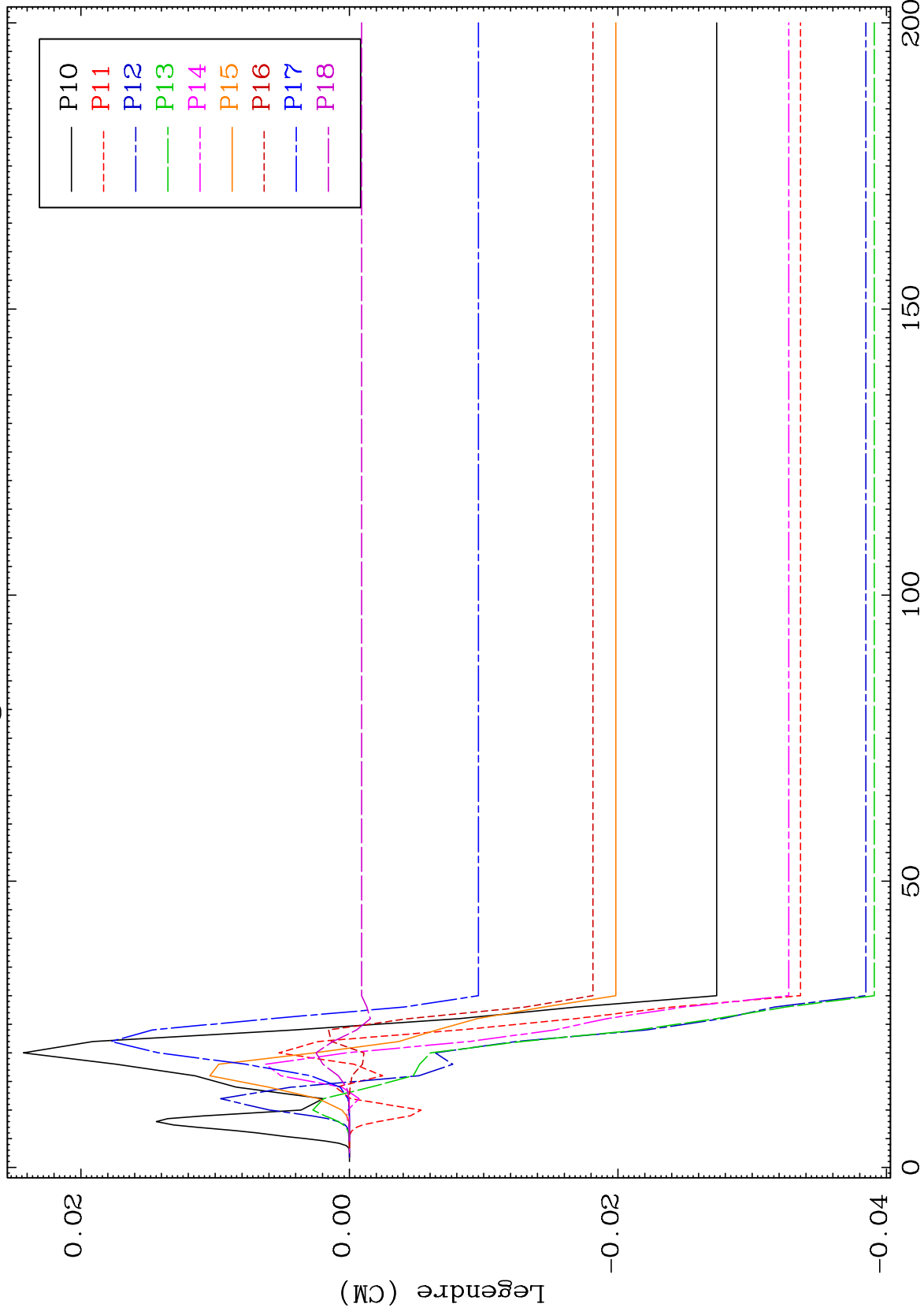




MAT 7058

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

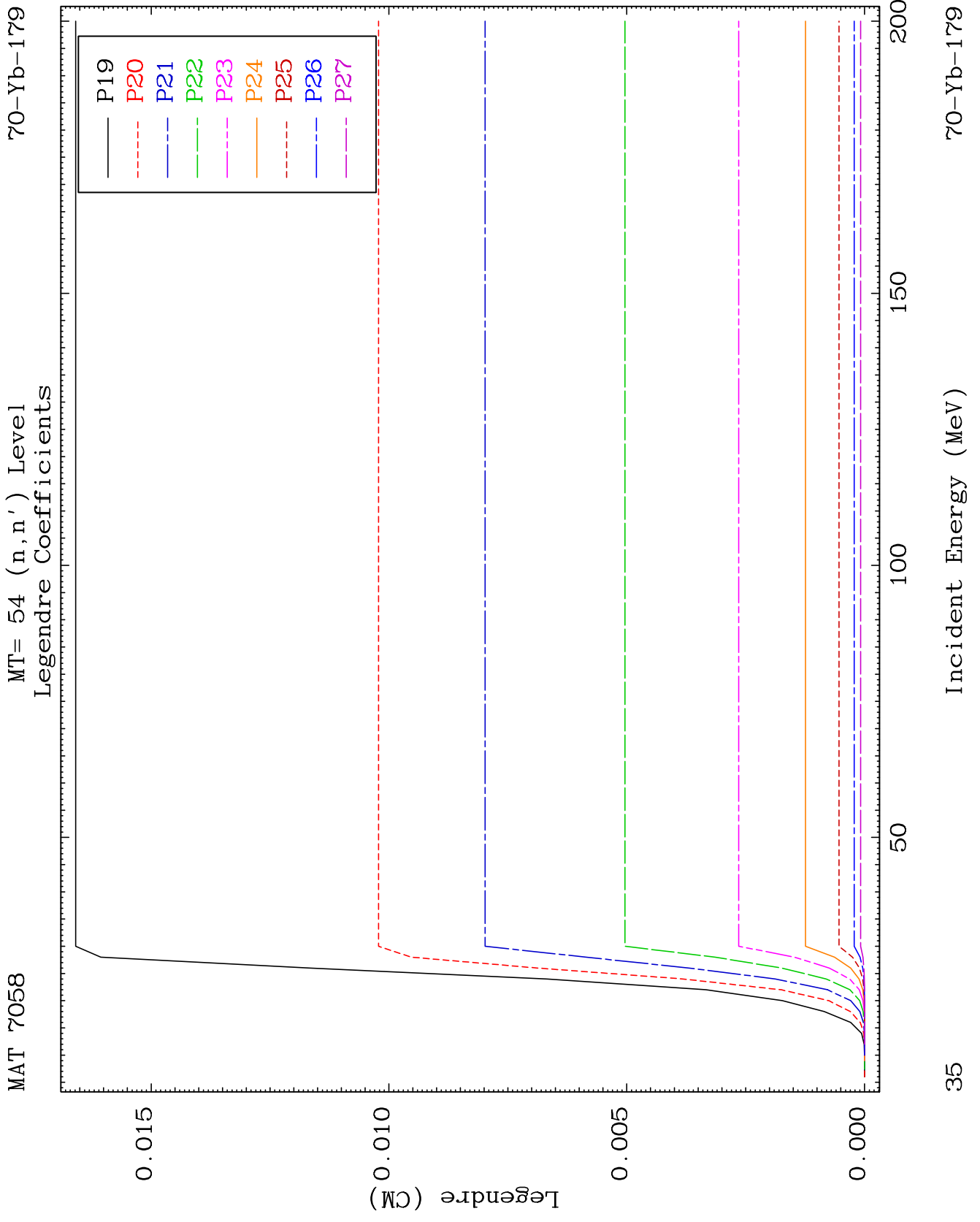
70-Yb-179



34

Incident Energy (MeV)

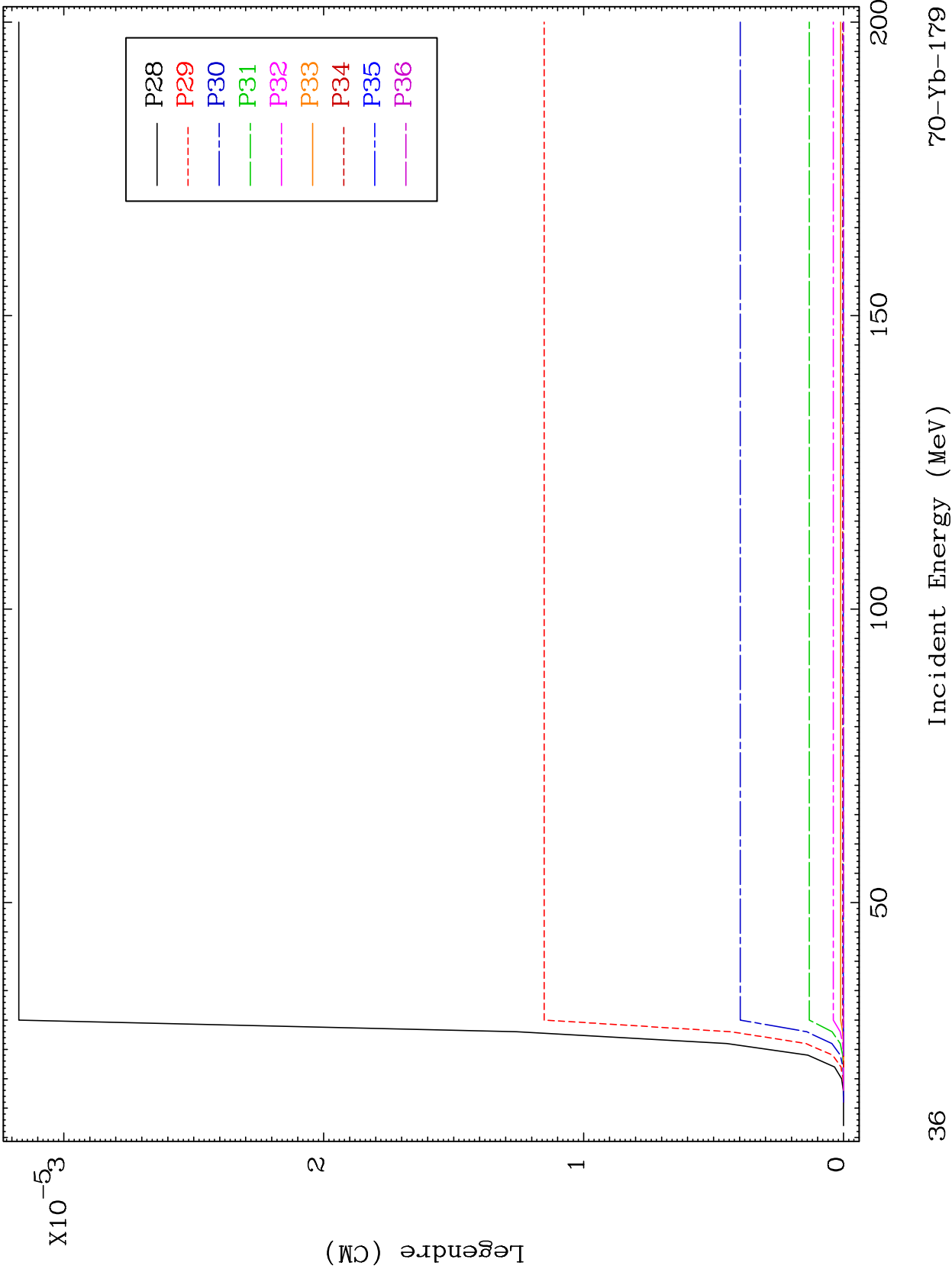
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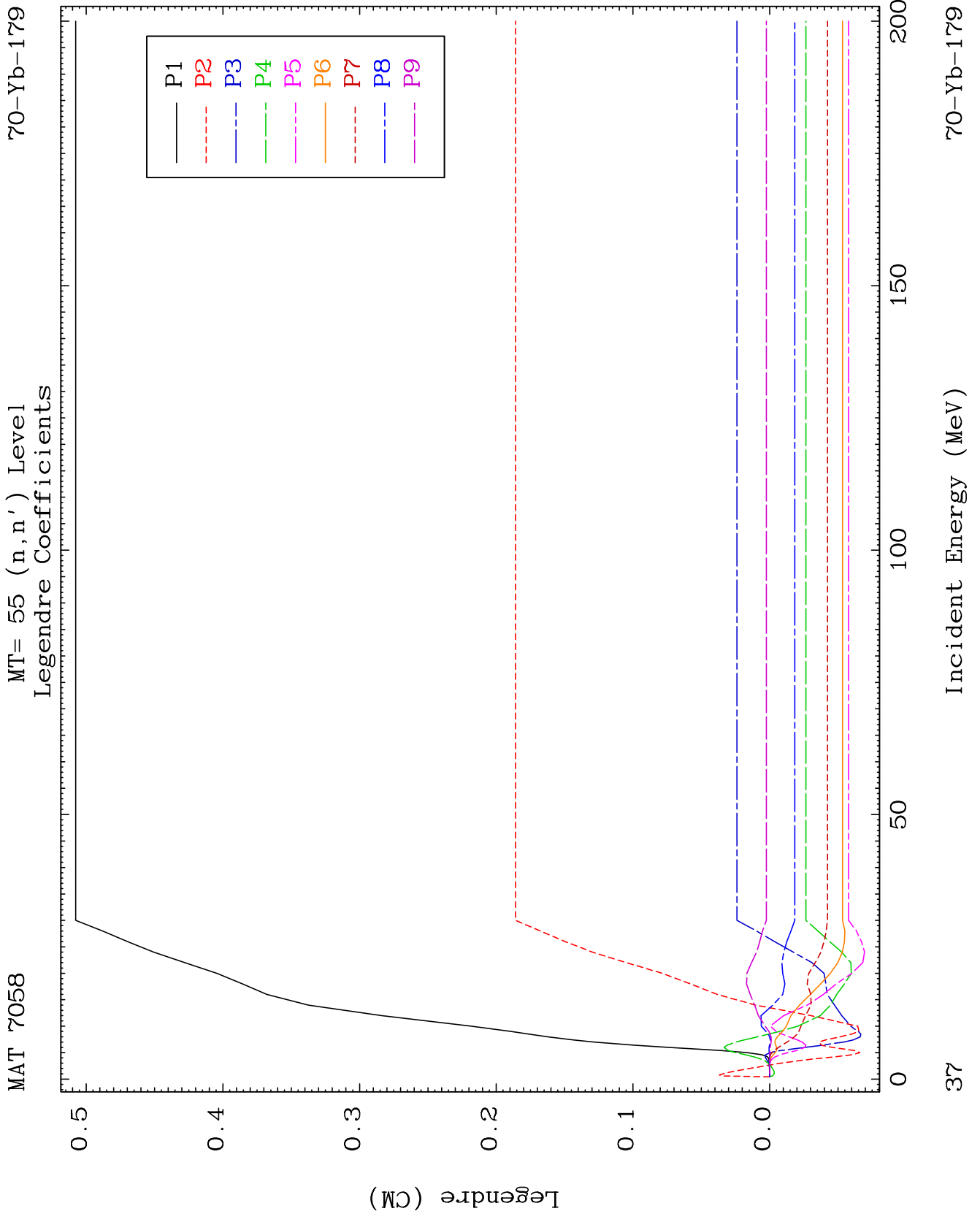


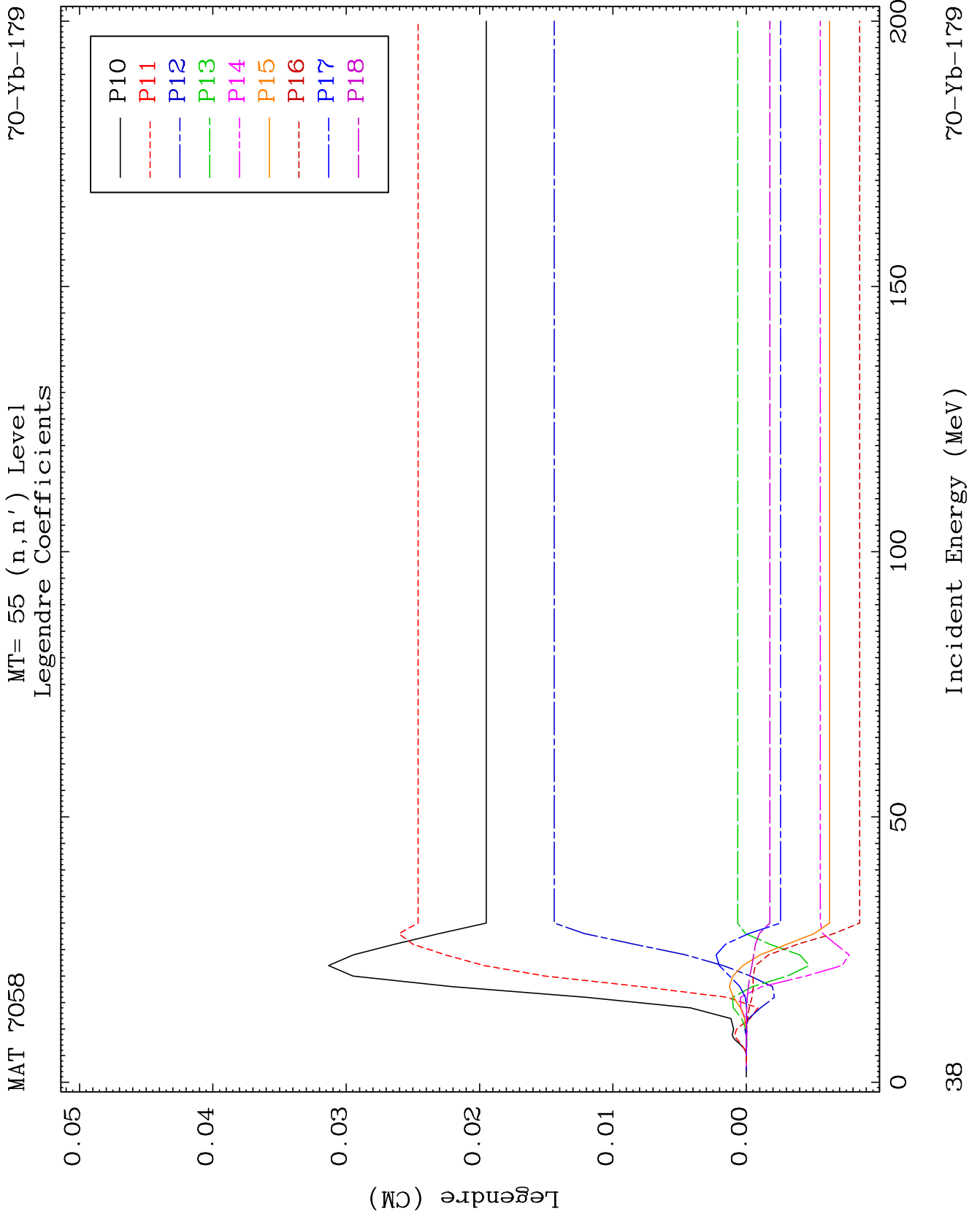
MAT 7058

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

70-Yb-179



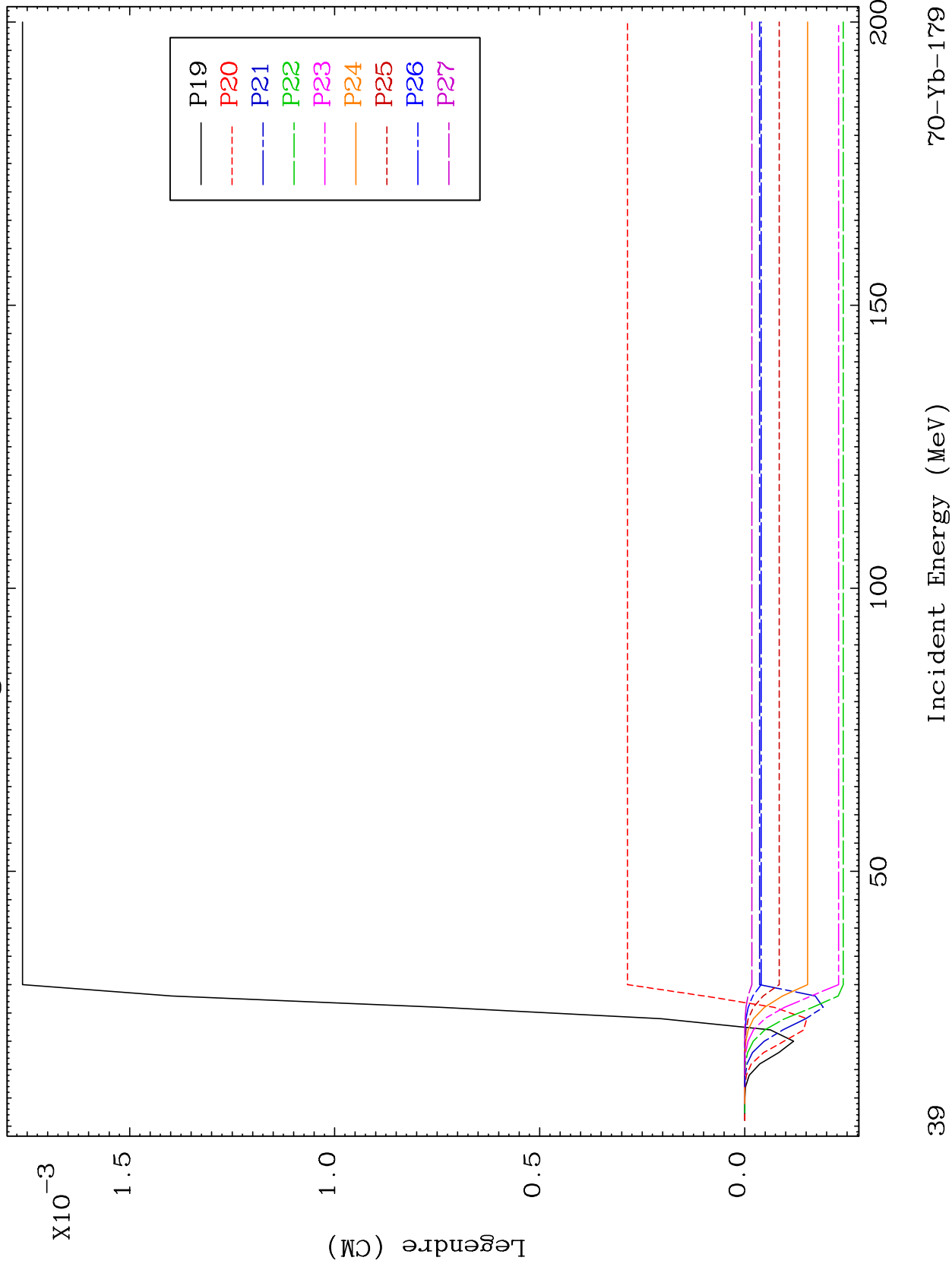


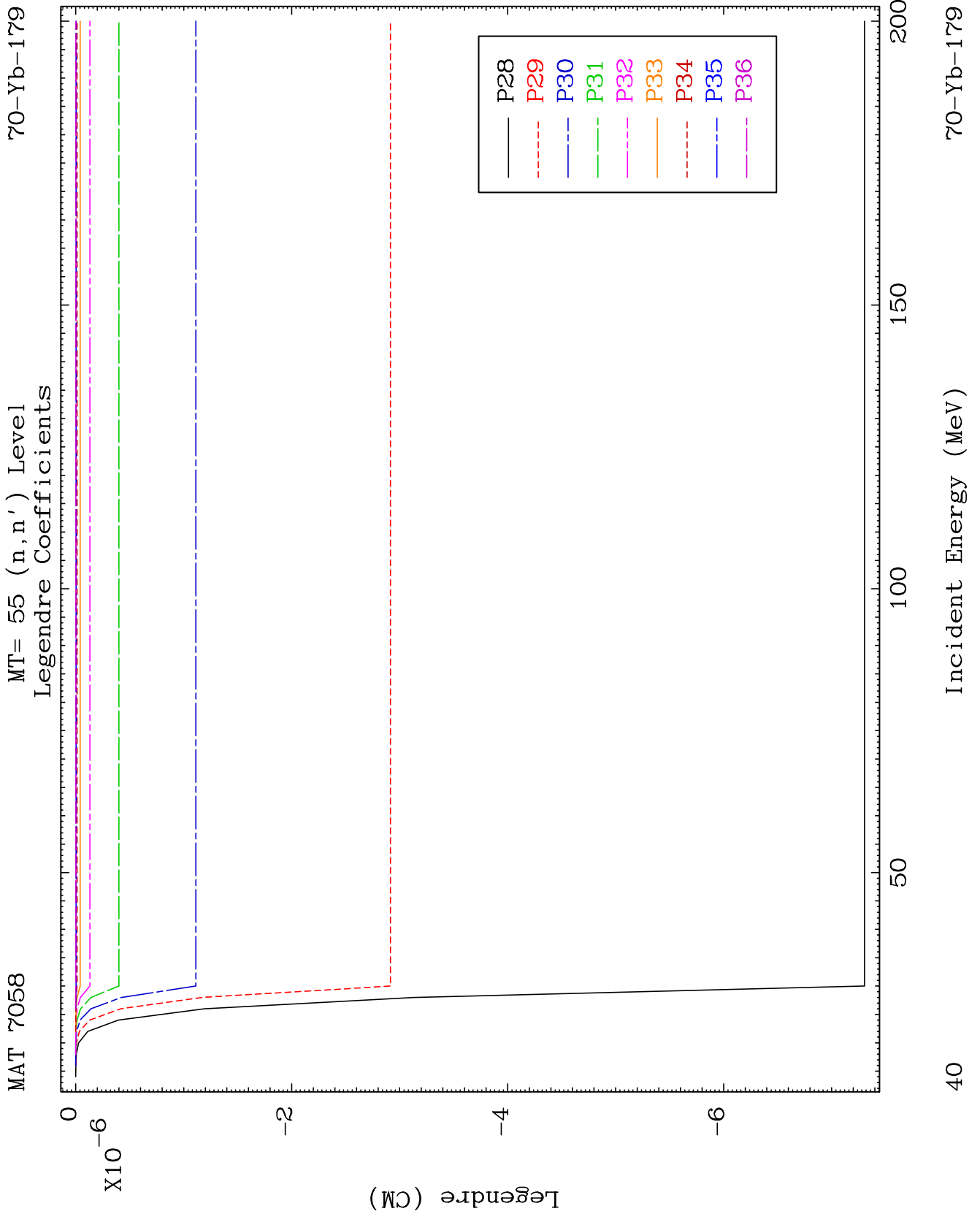


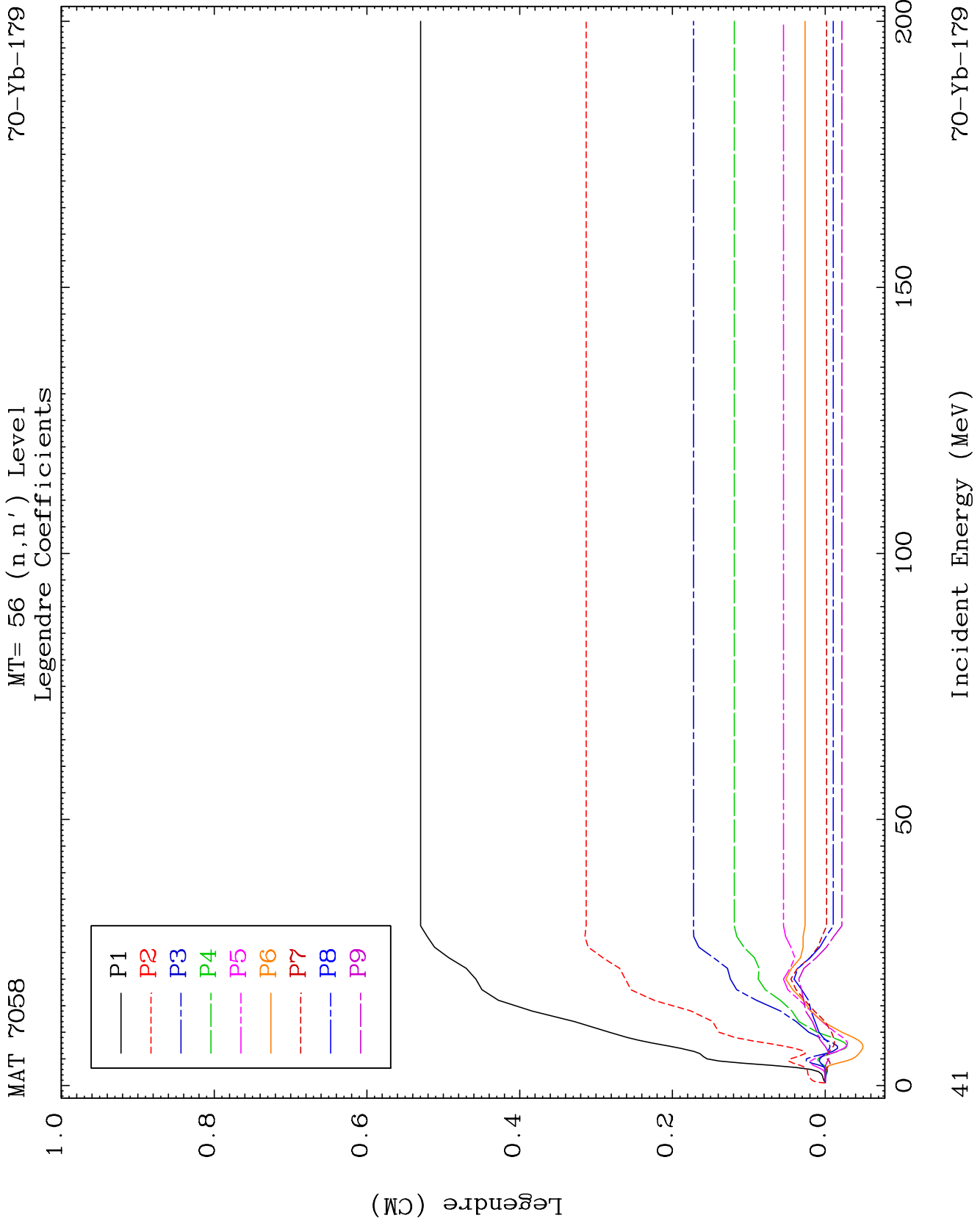
MAT 7058

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

70-Yb-179



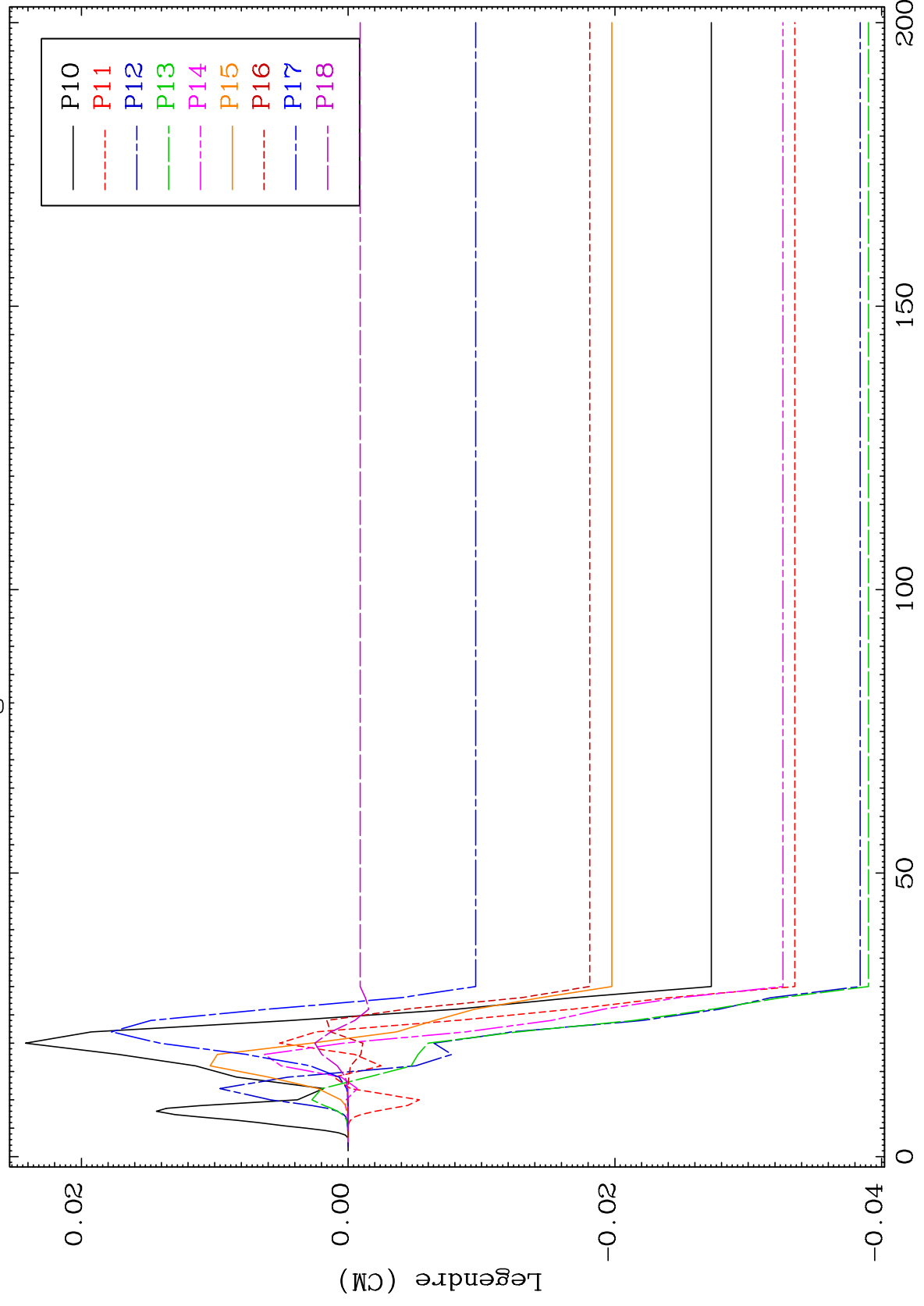




MAT 7058

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

70-Yb-179



42

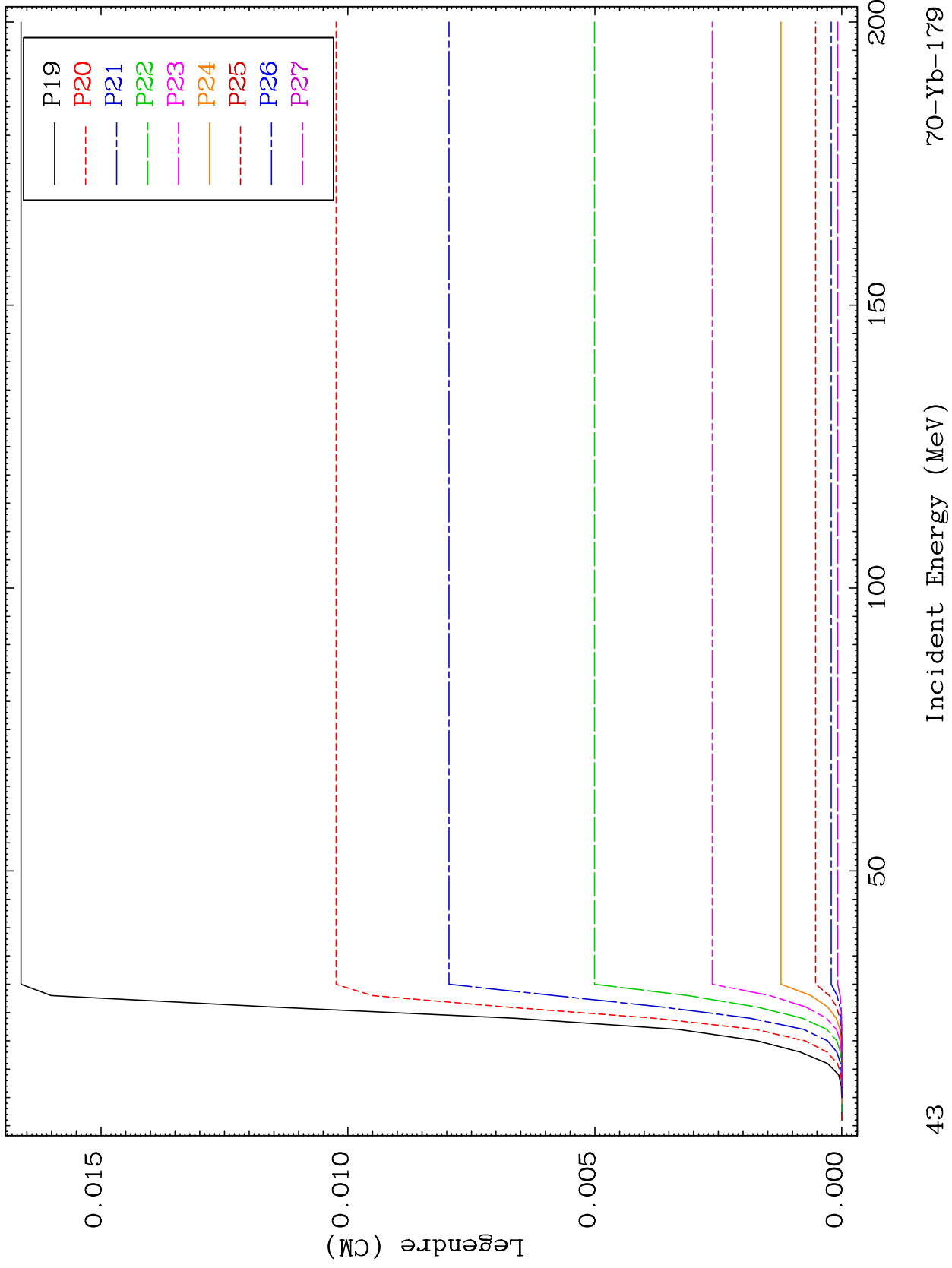
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



43

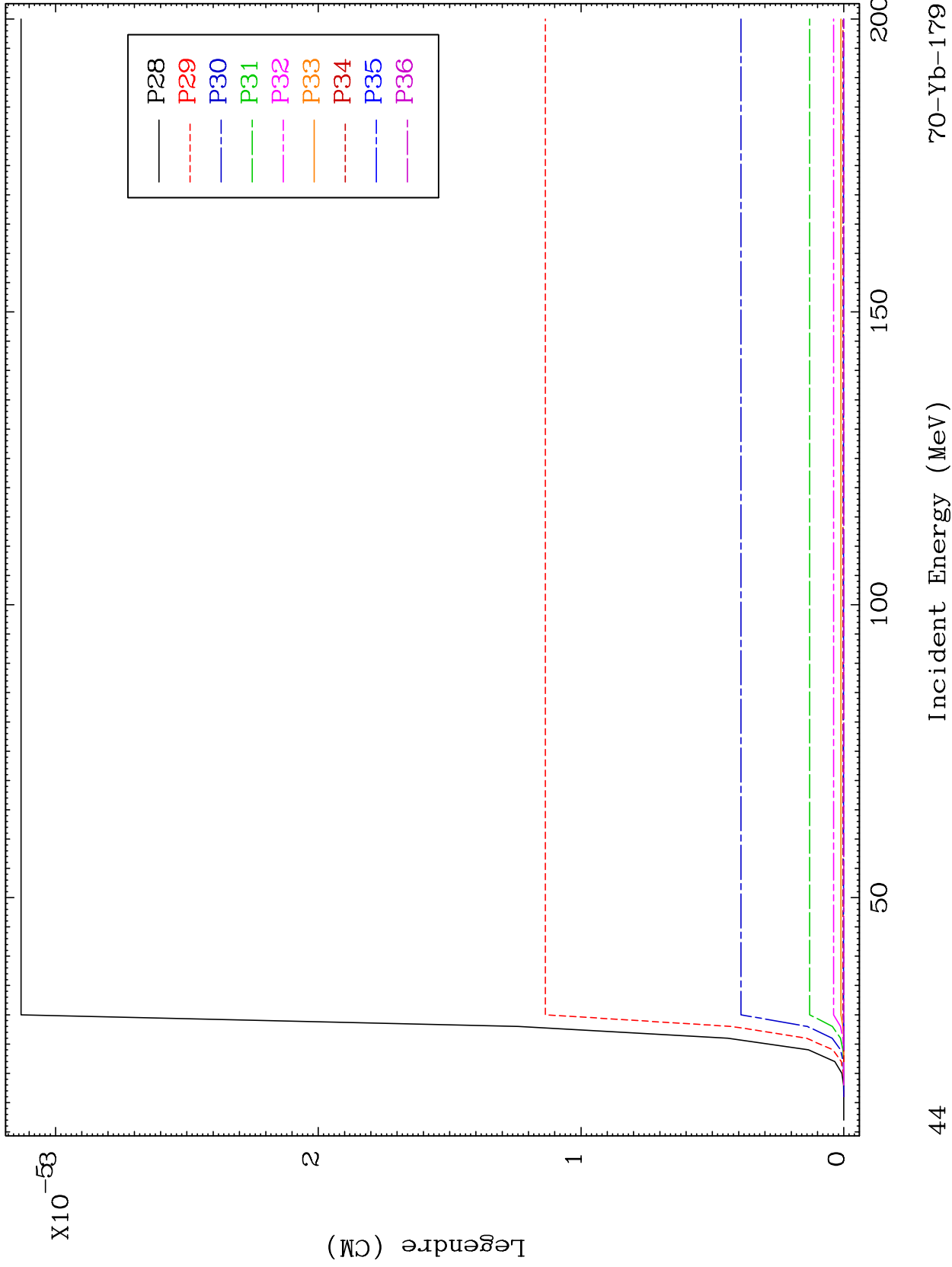
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

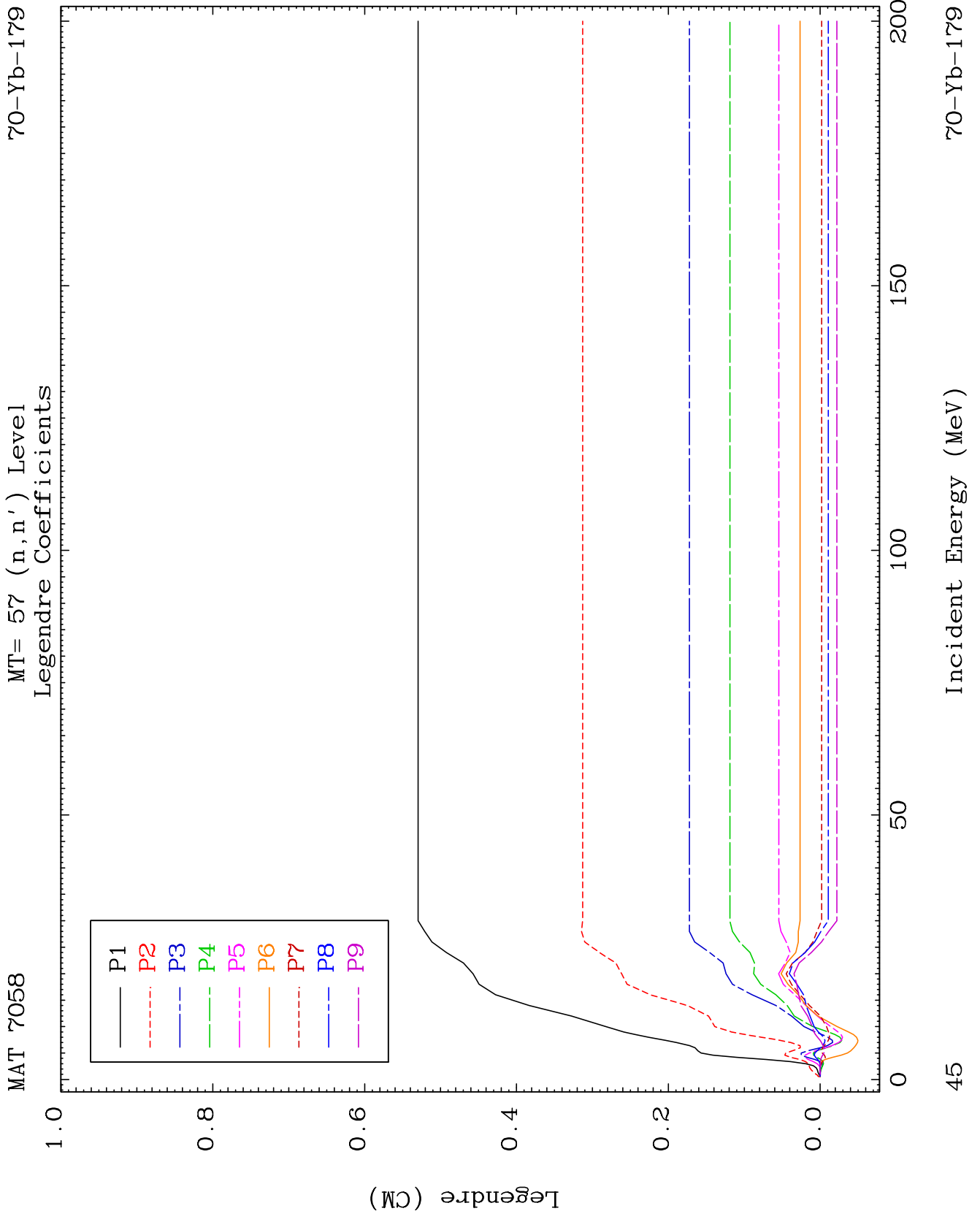
70-Yb-179



44

Incident Energy (MeV)

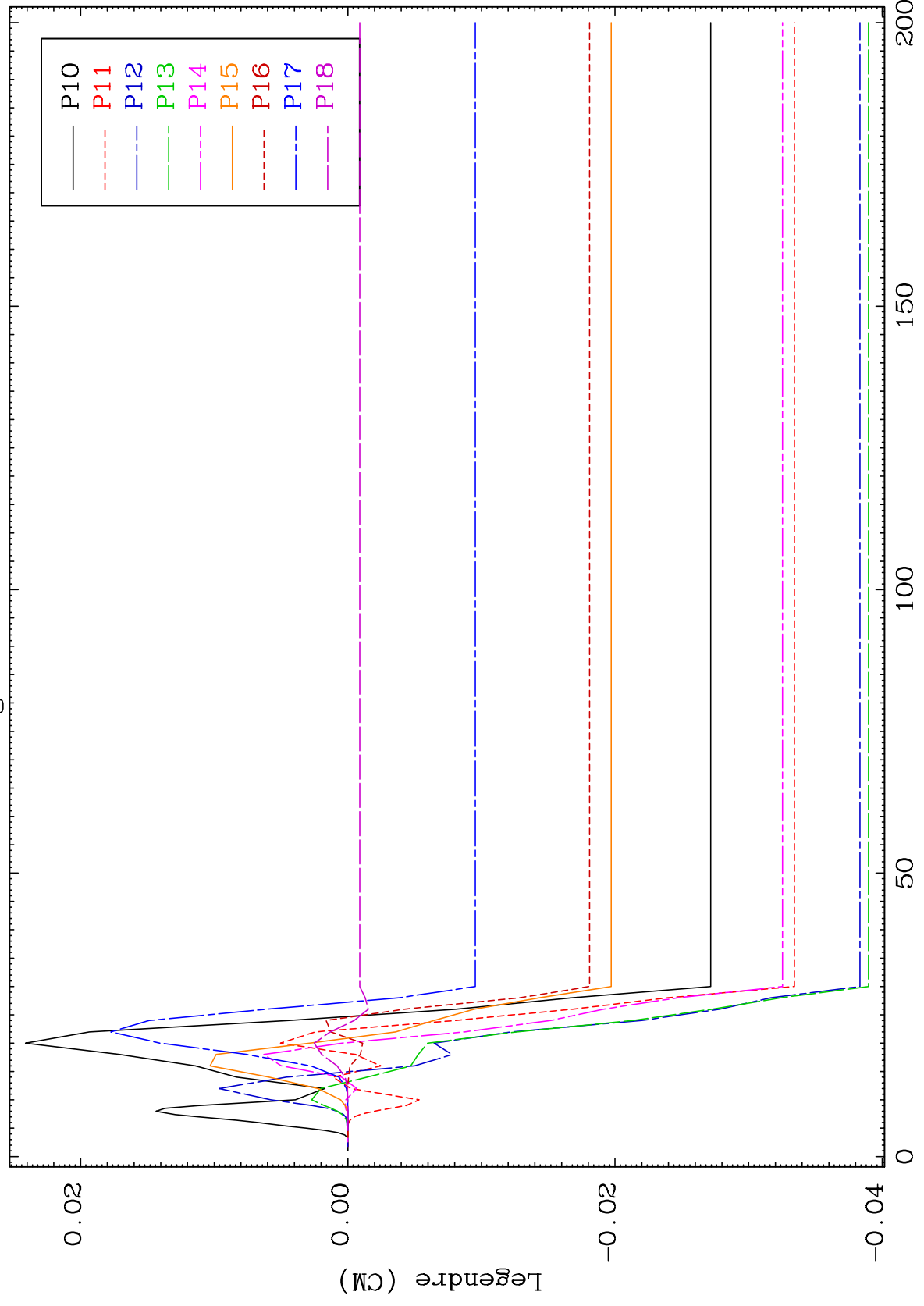
70-Yb-179



MAT 7058

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

70-Yb-179



46

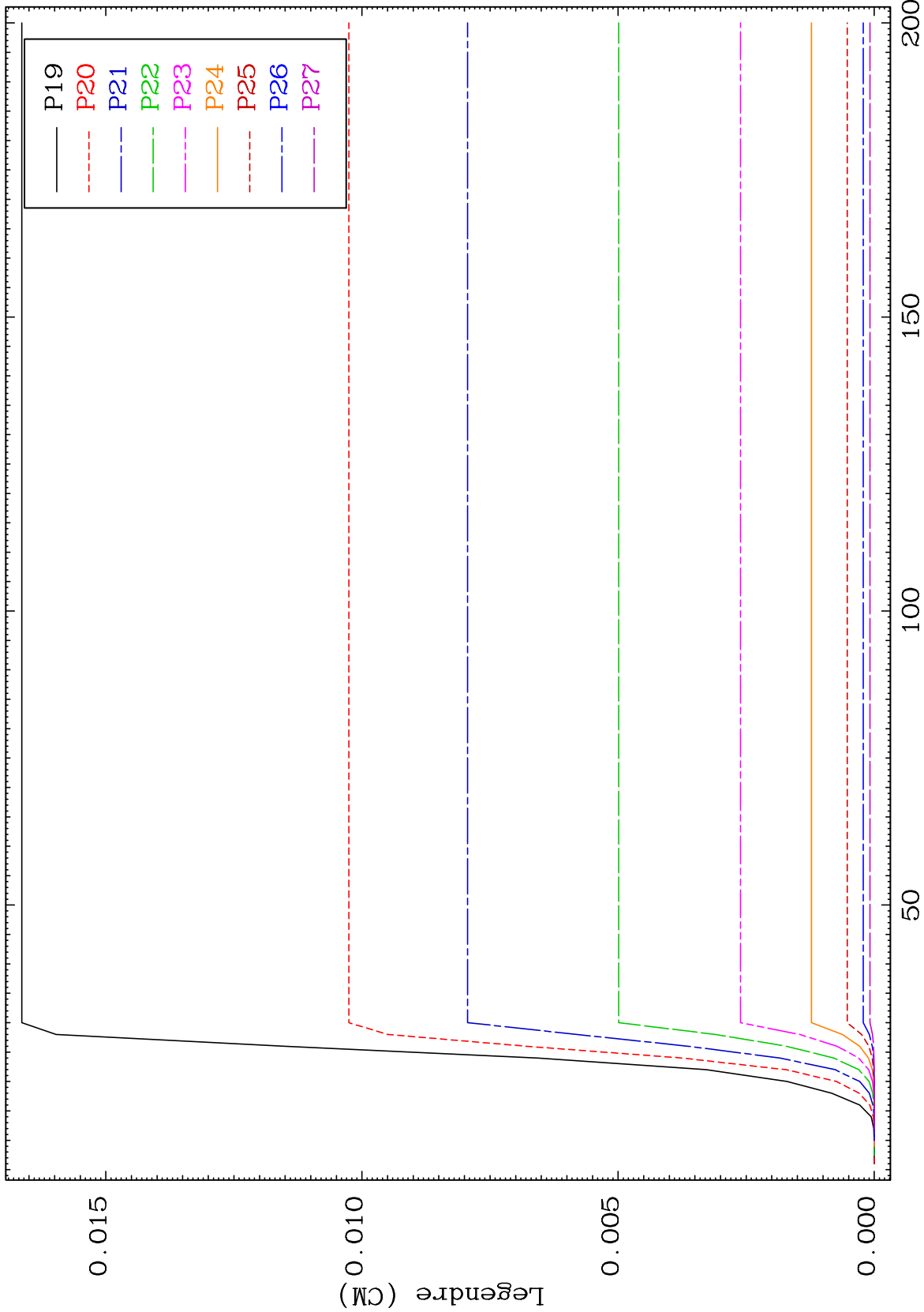
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



47

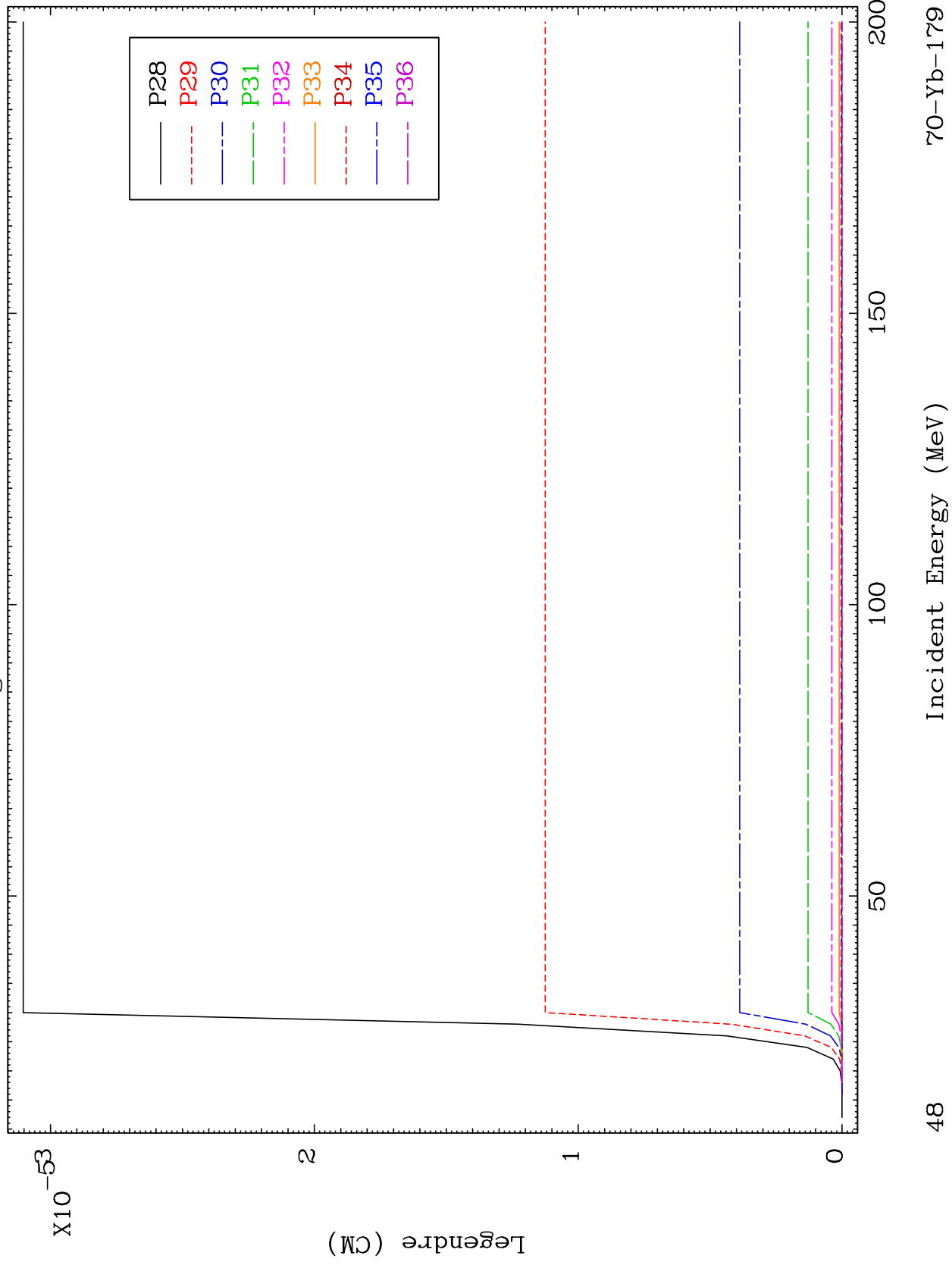
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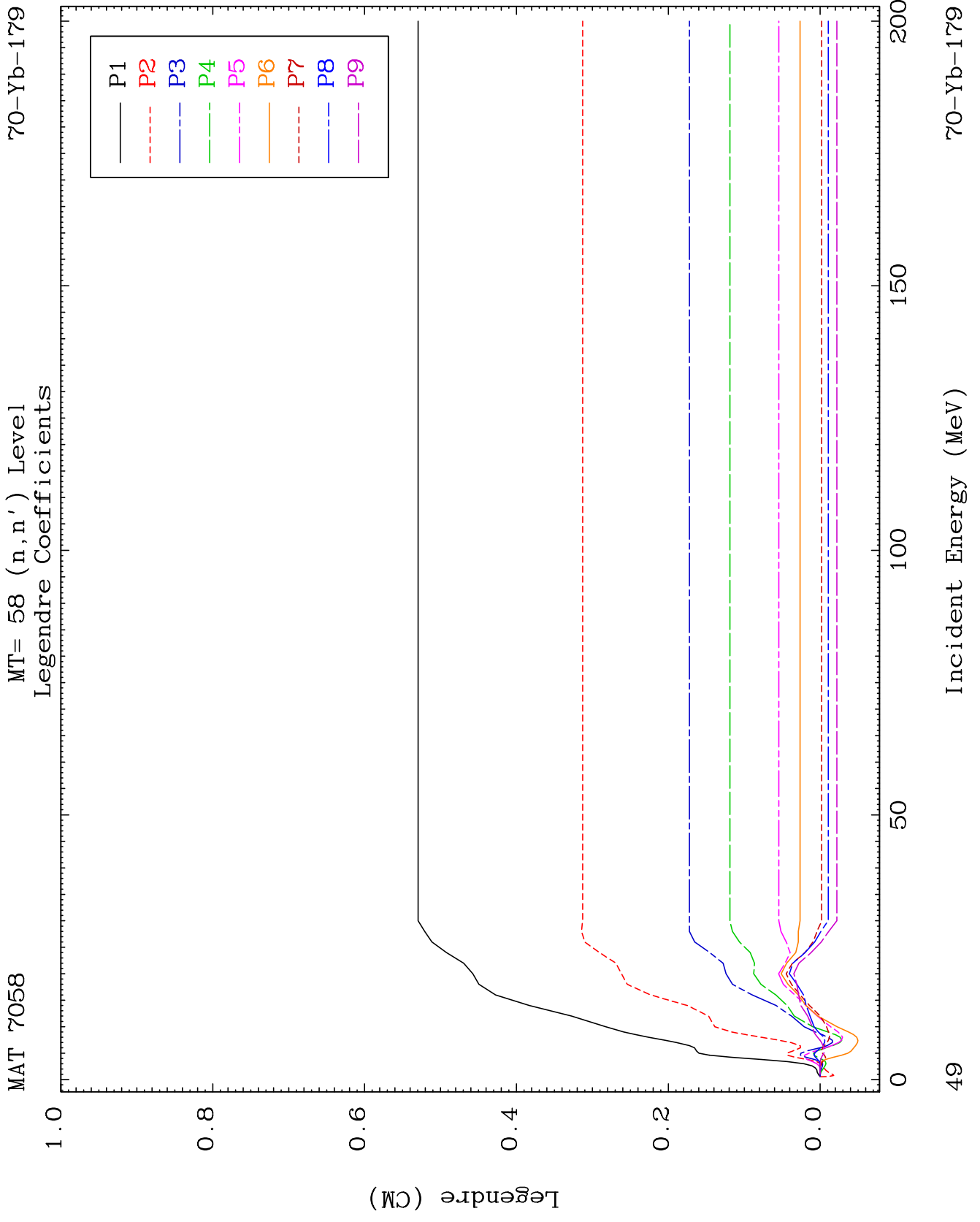
70-Yb-179

MAT 7058

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

70-Yb-179



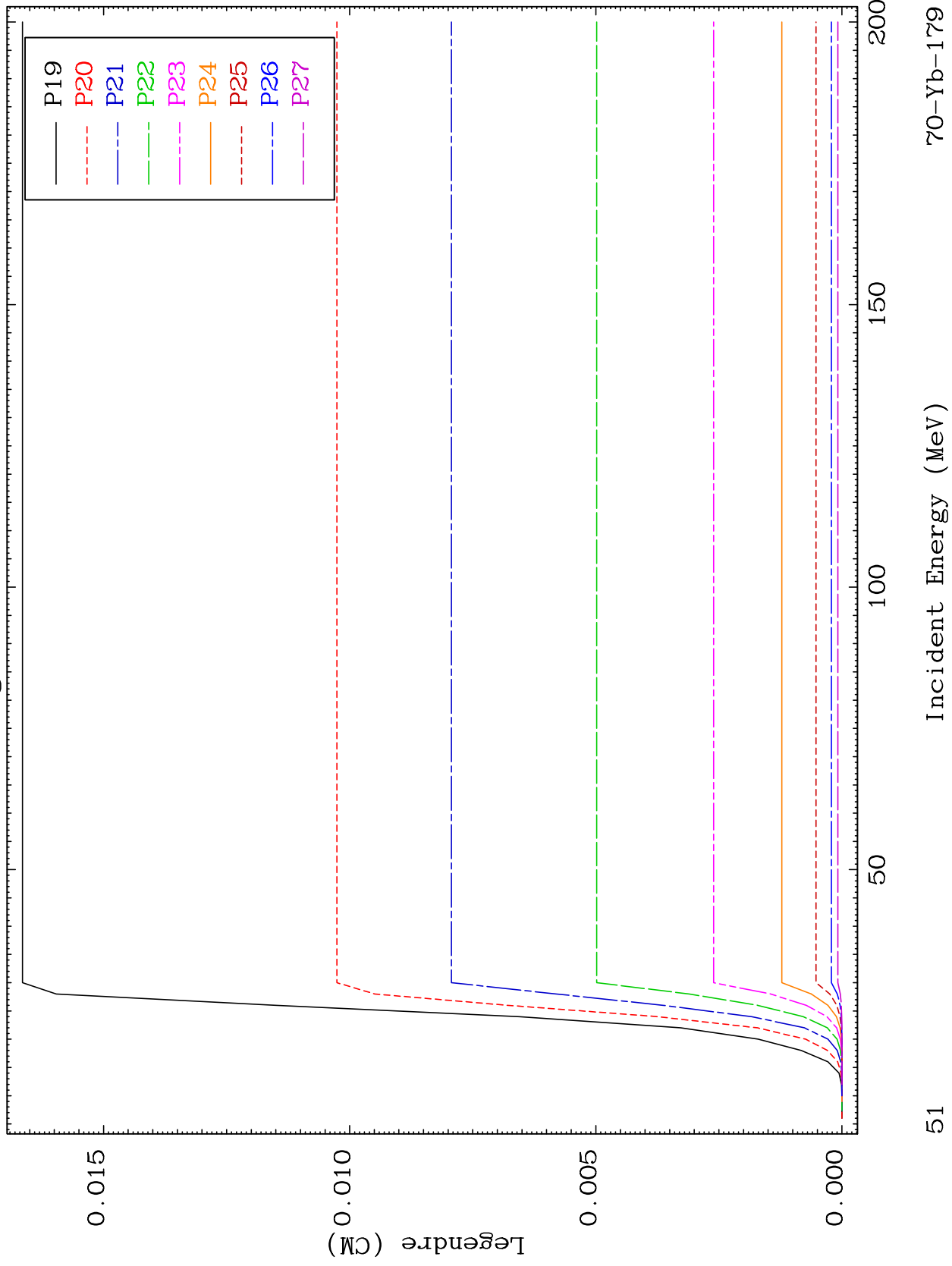




MAT 7058

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

70-Yb-179



51

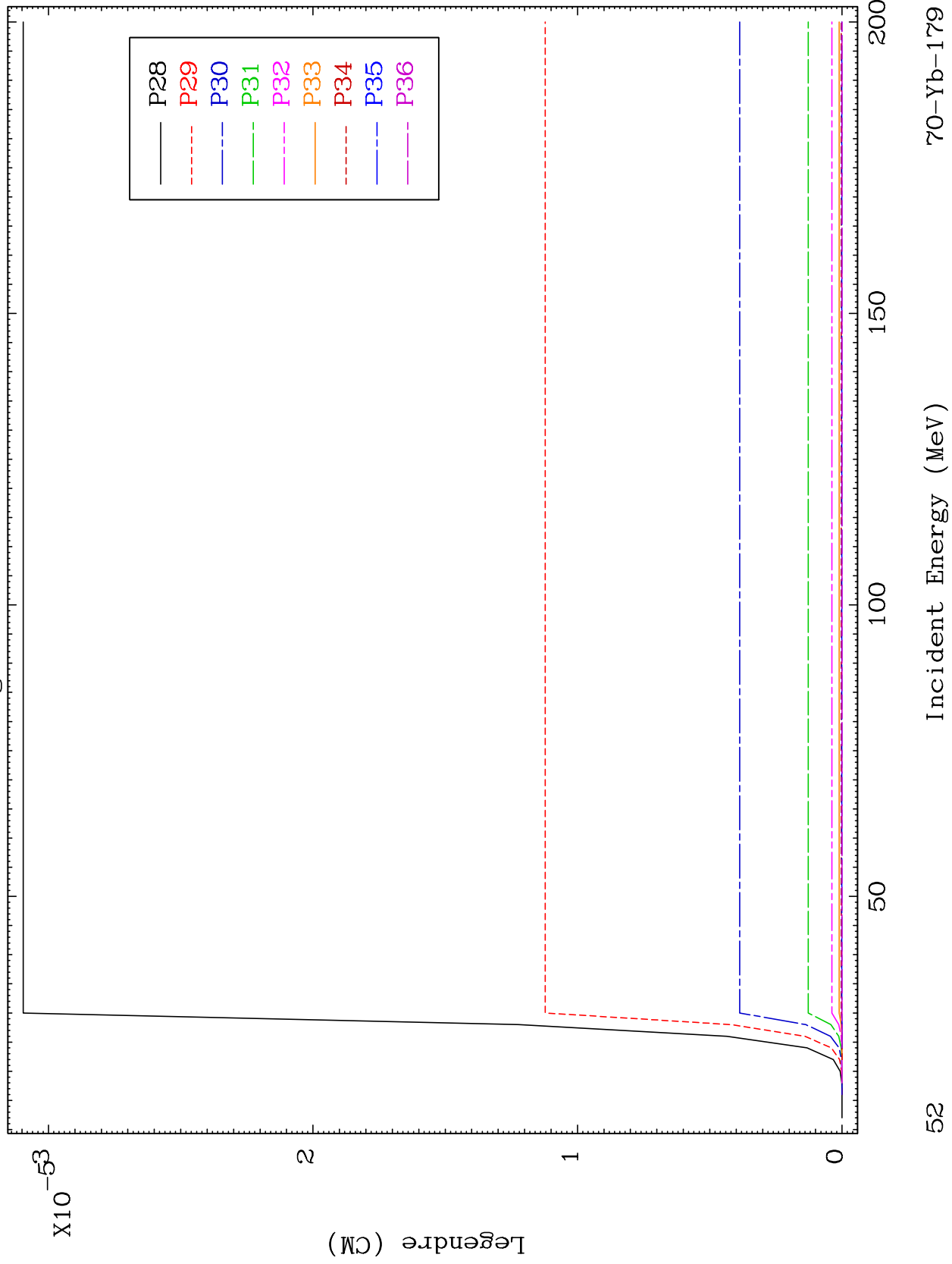
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

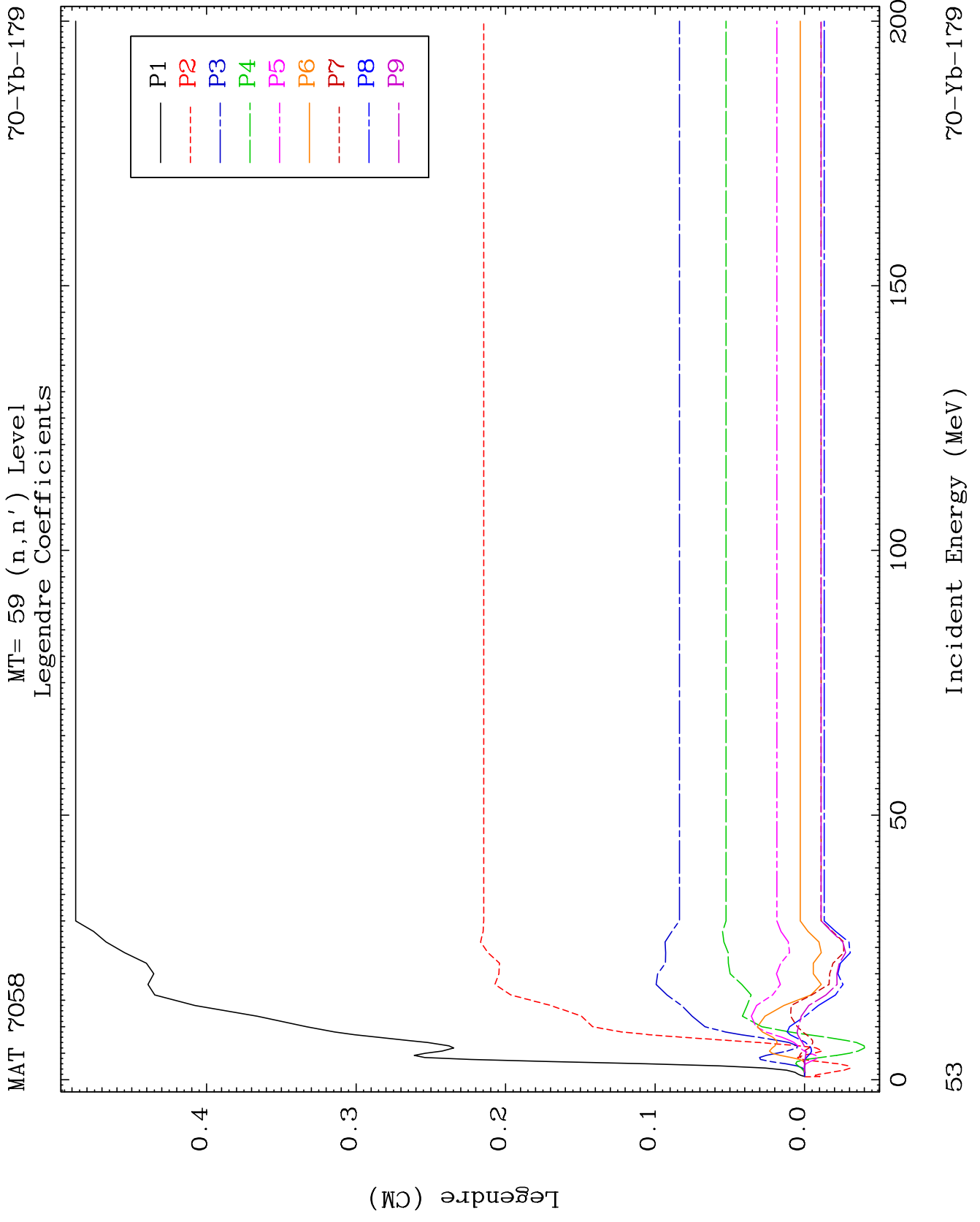
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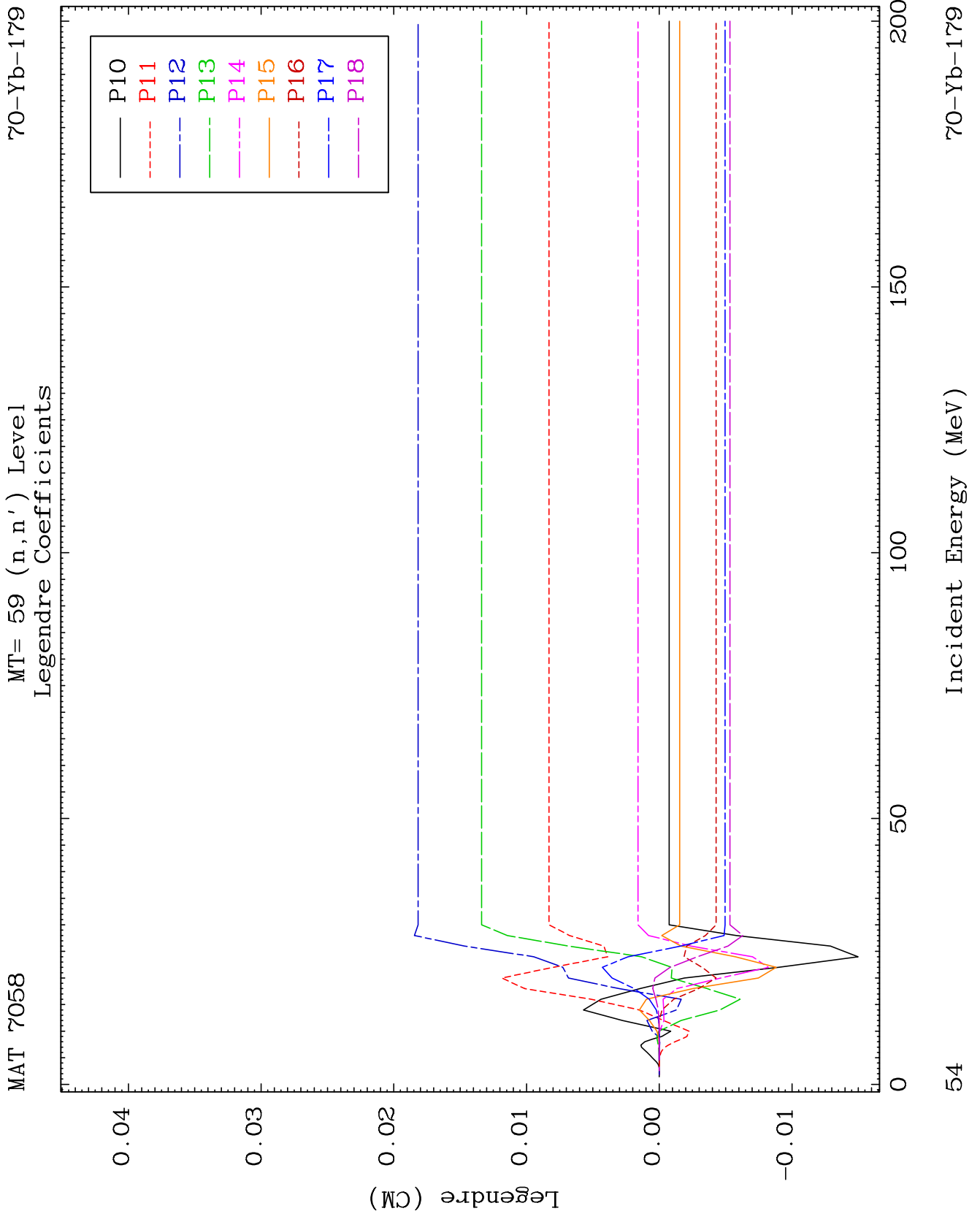


52

Incident Energy (MeV)

70-Yb-179

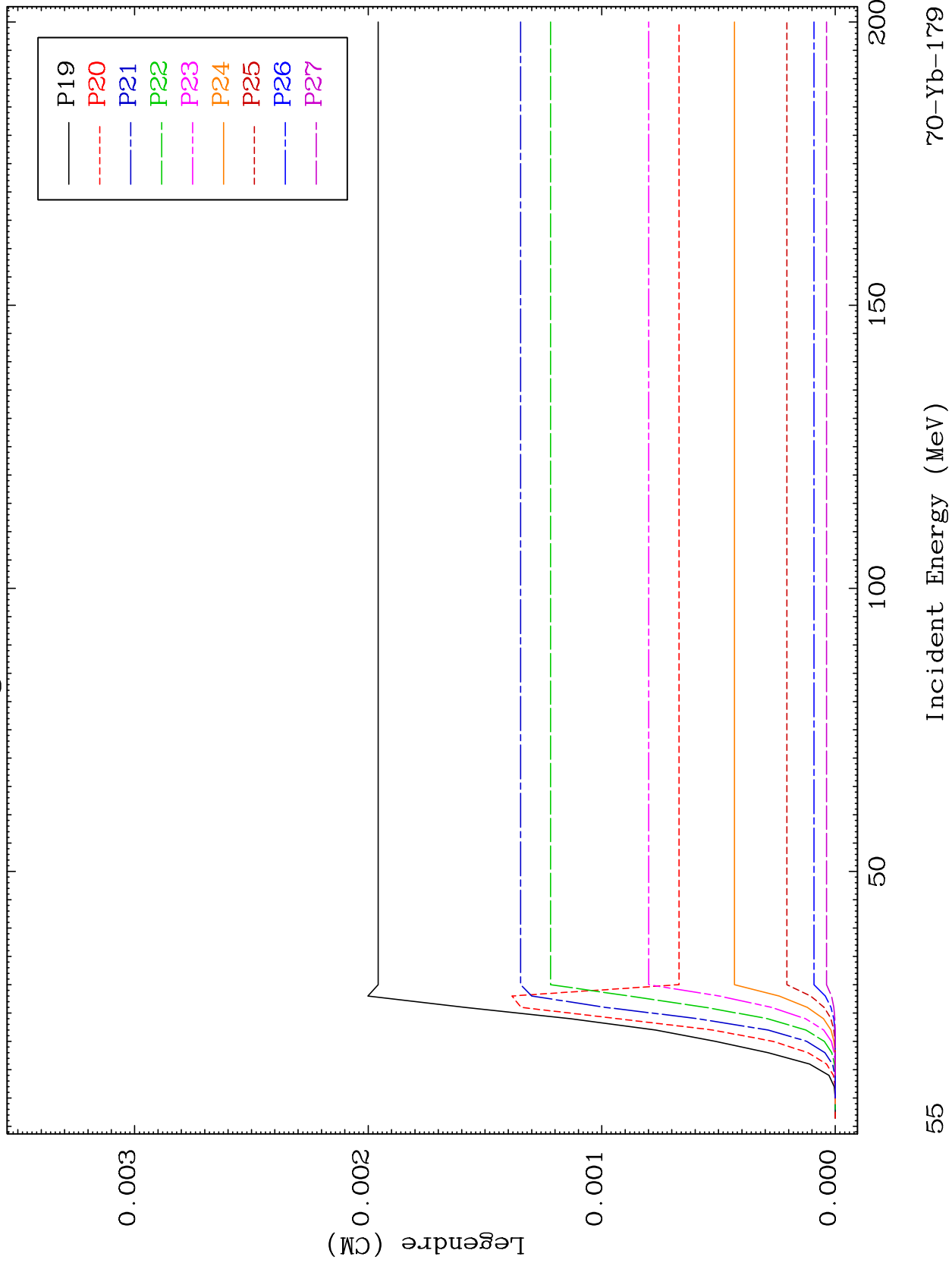




MAT 7058

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

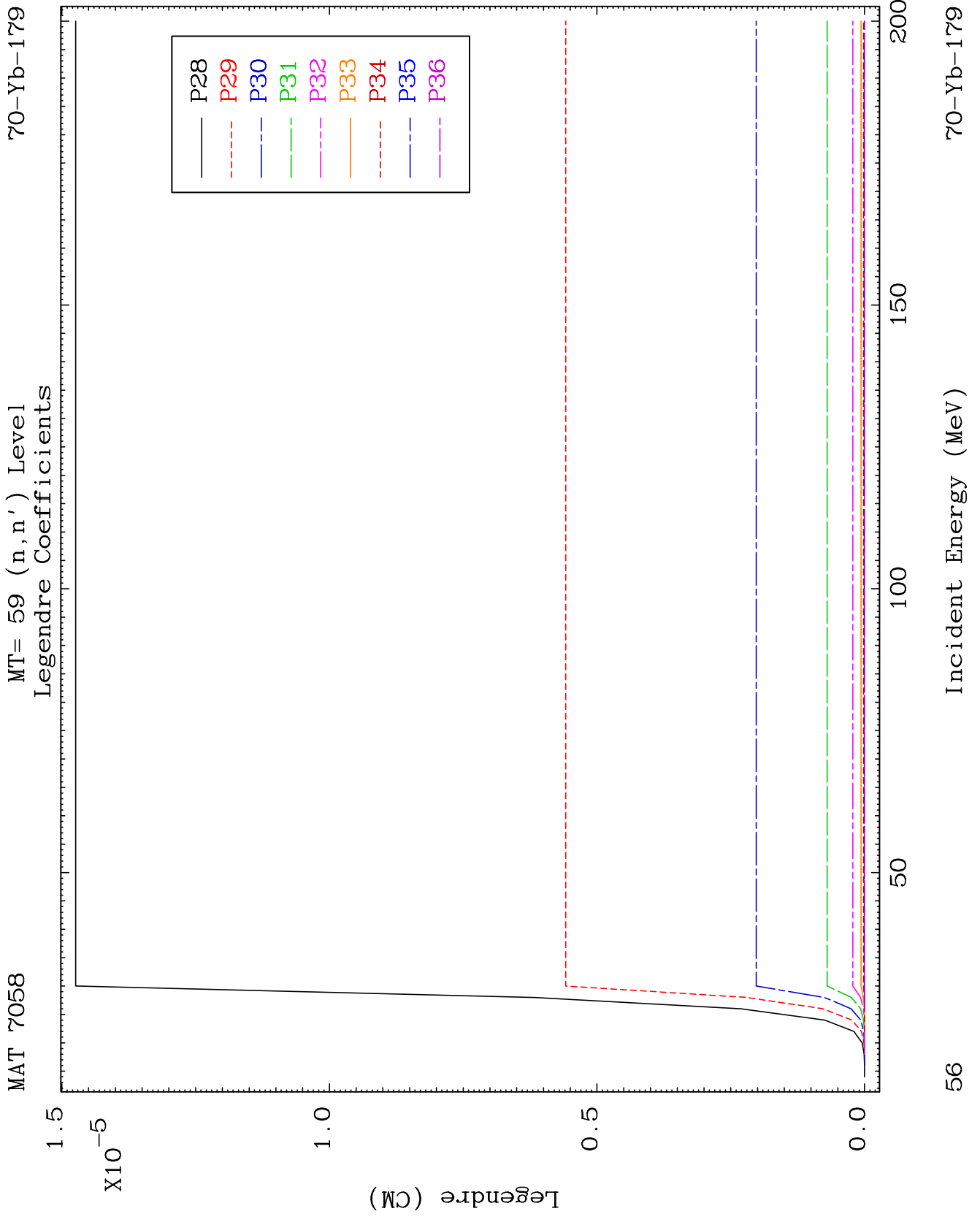
70-Yb-179



55

Incident Energy (MeV)

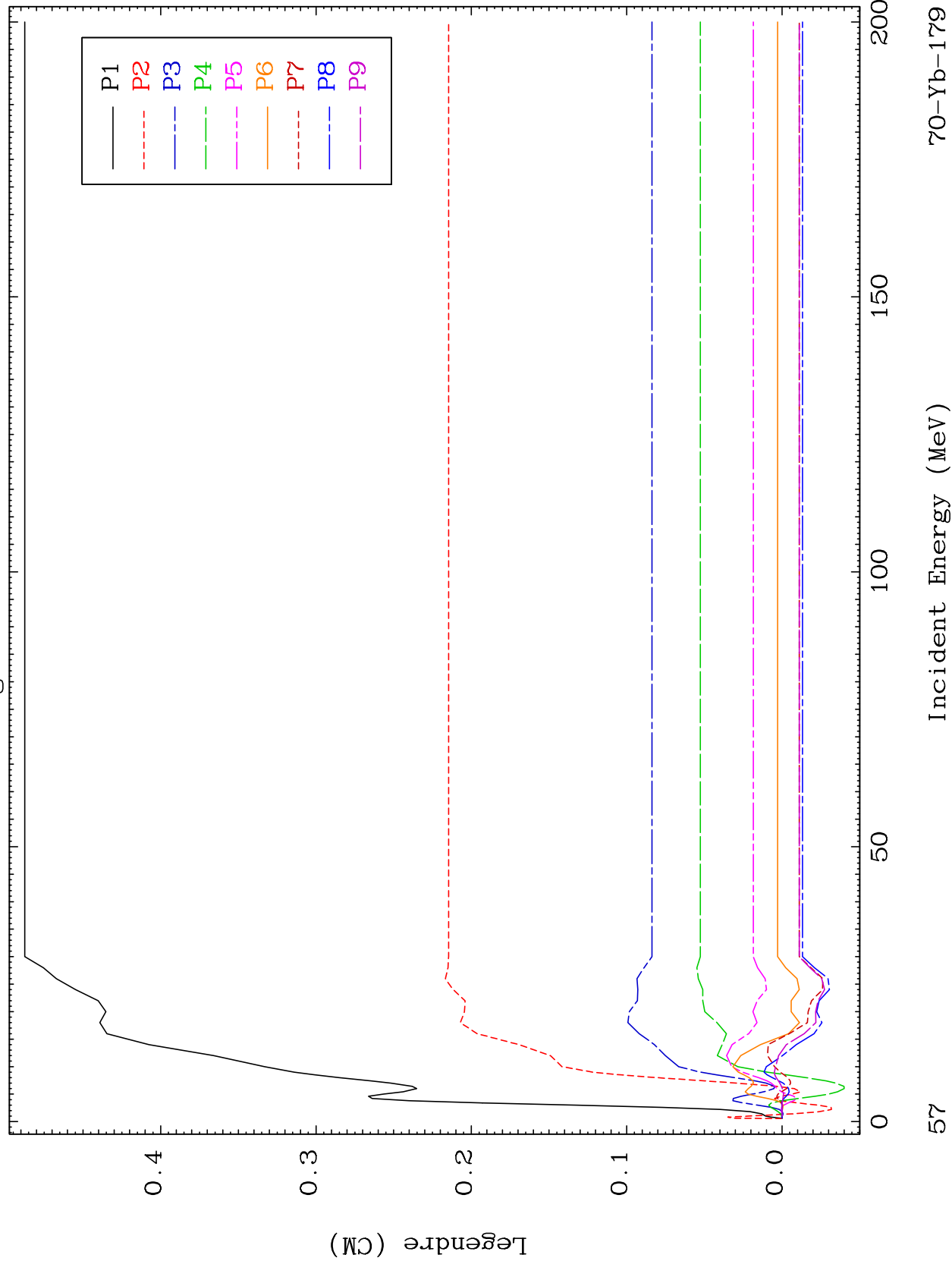
70-Yb-179



MAT 7058

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

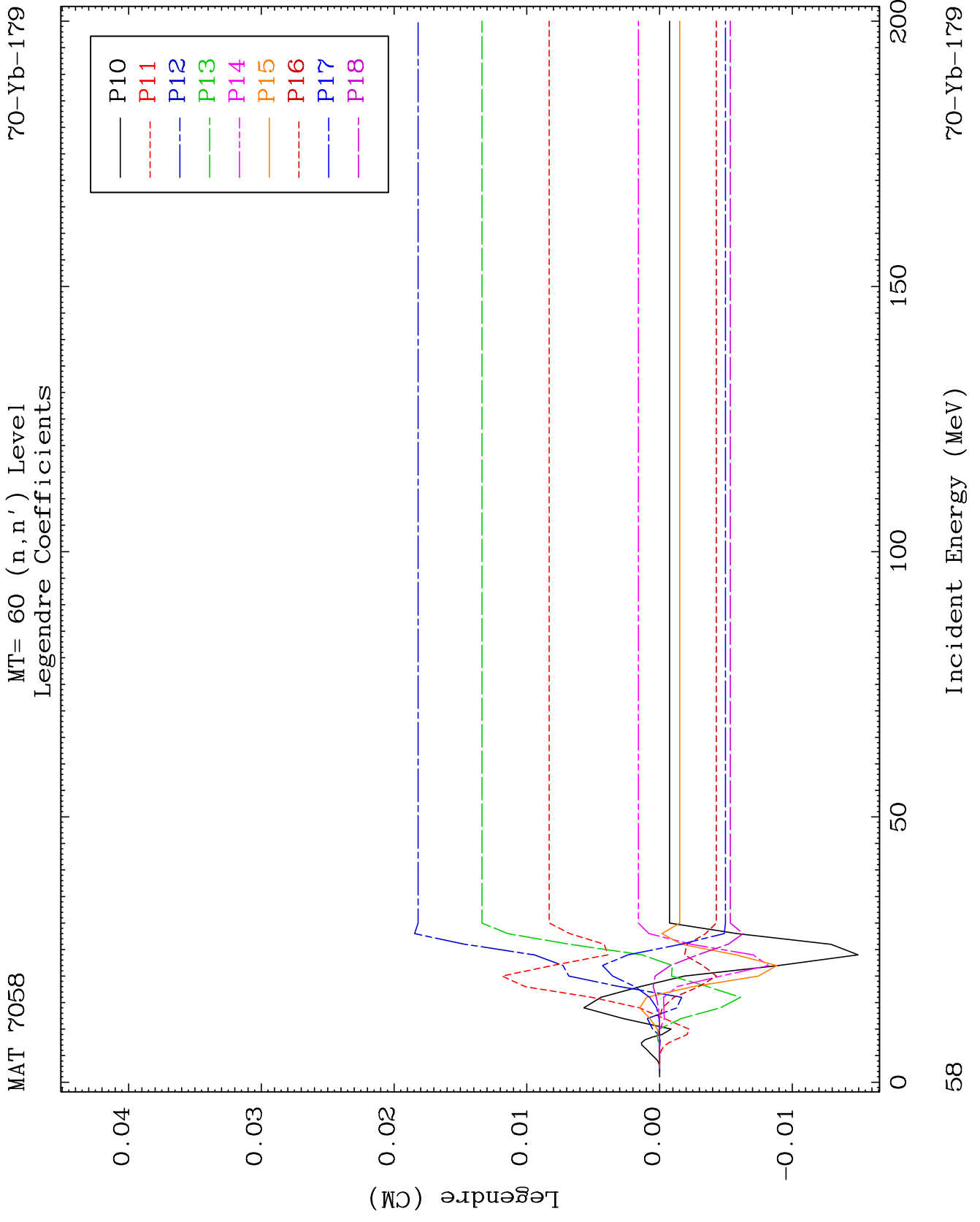
70-Yb-179



57

Incident Energy (MeV)

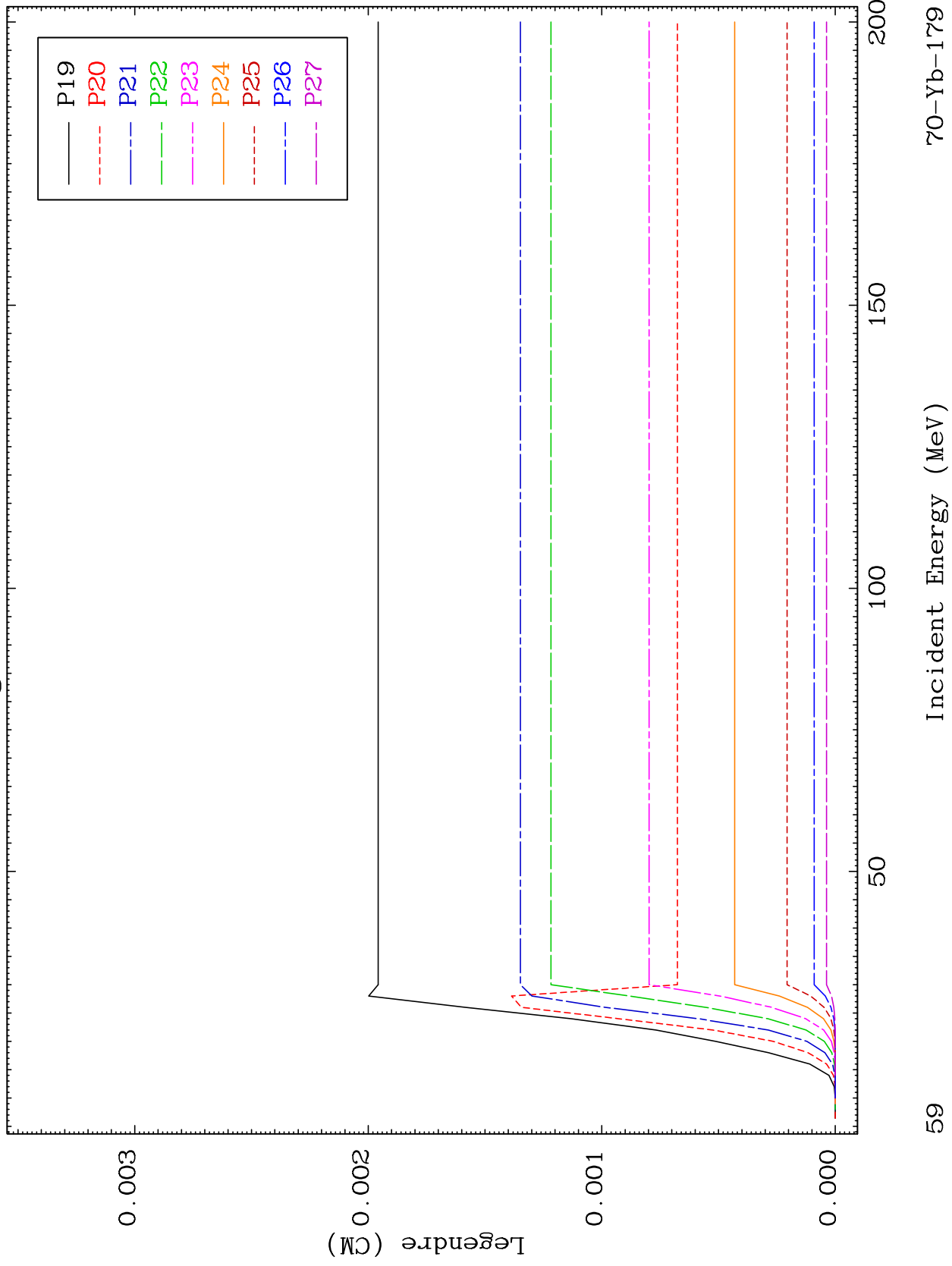
70-Yb-179



MAT 7058

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

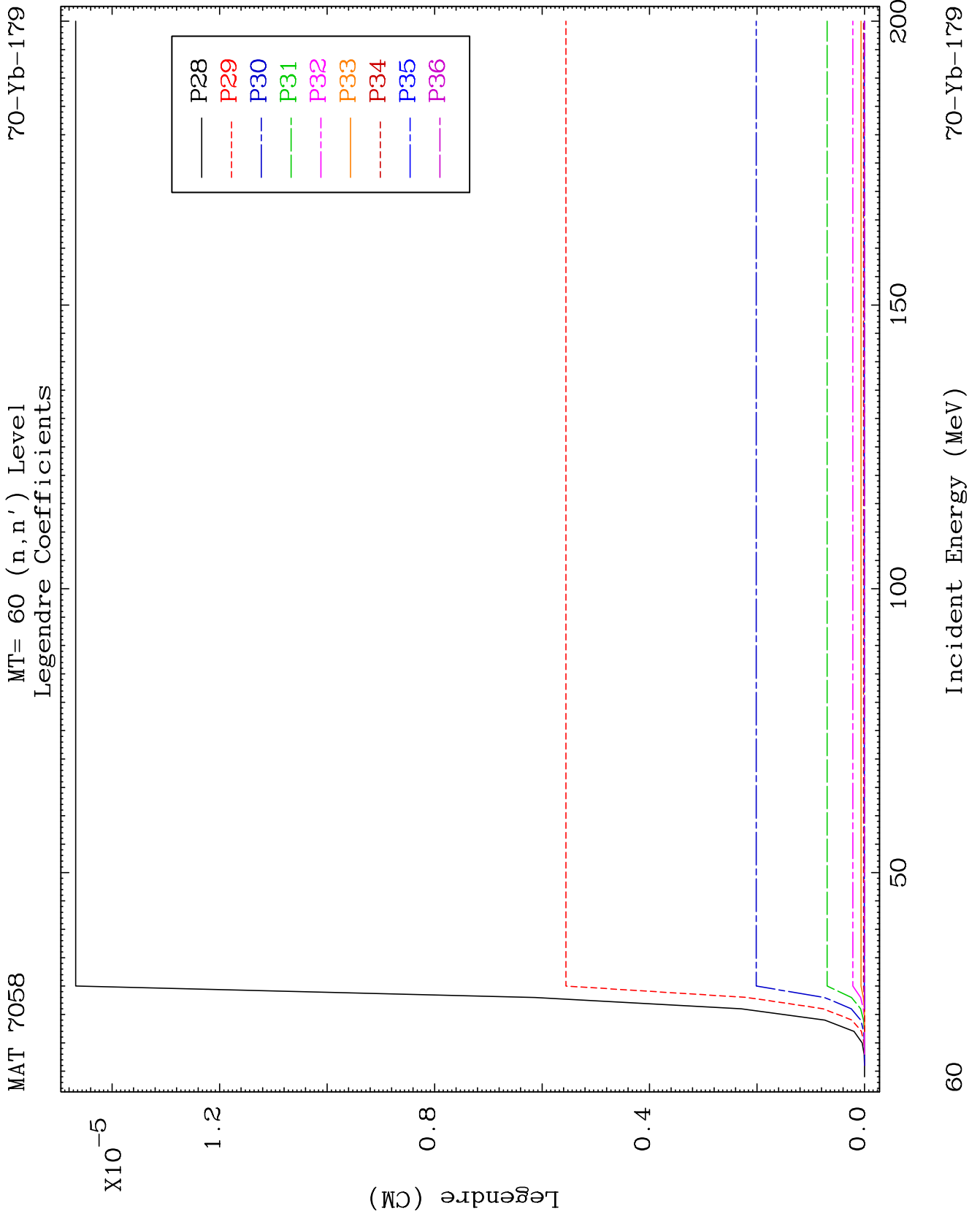
70-Yb-179

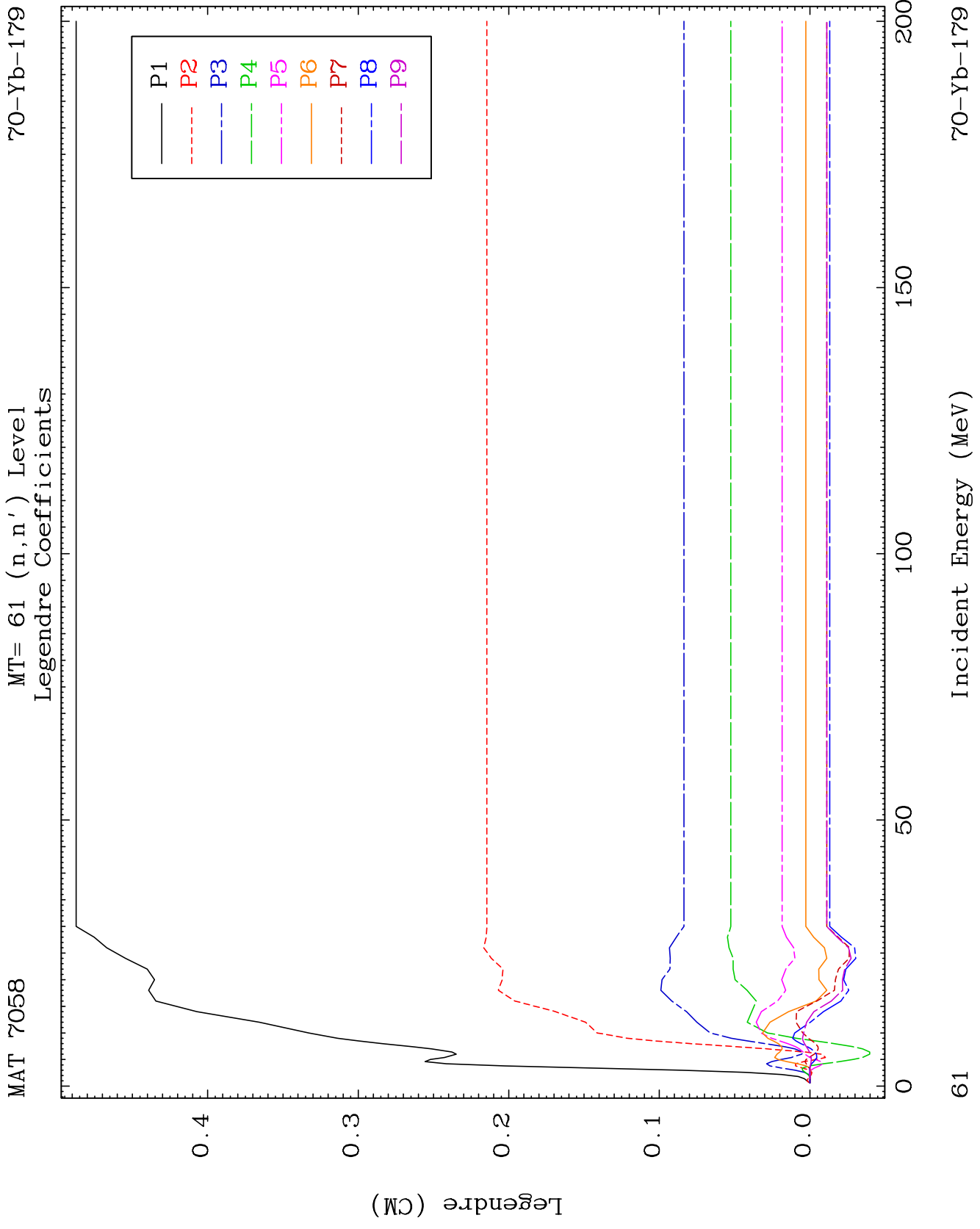


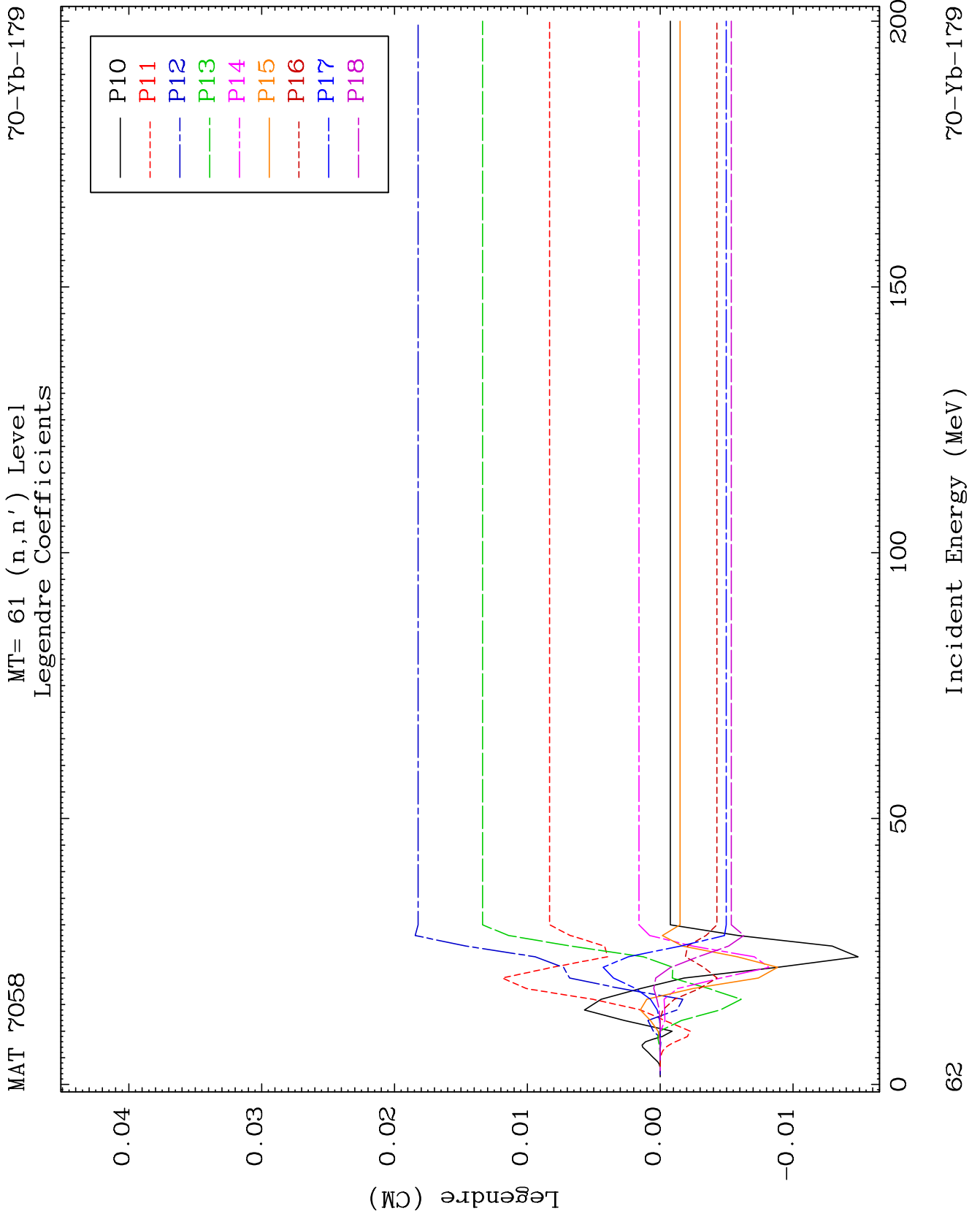
59

Incident Energy (MeV)

70-Yb-179



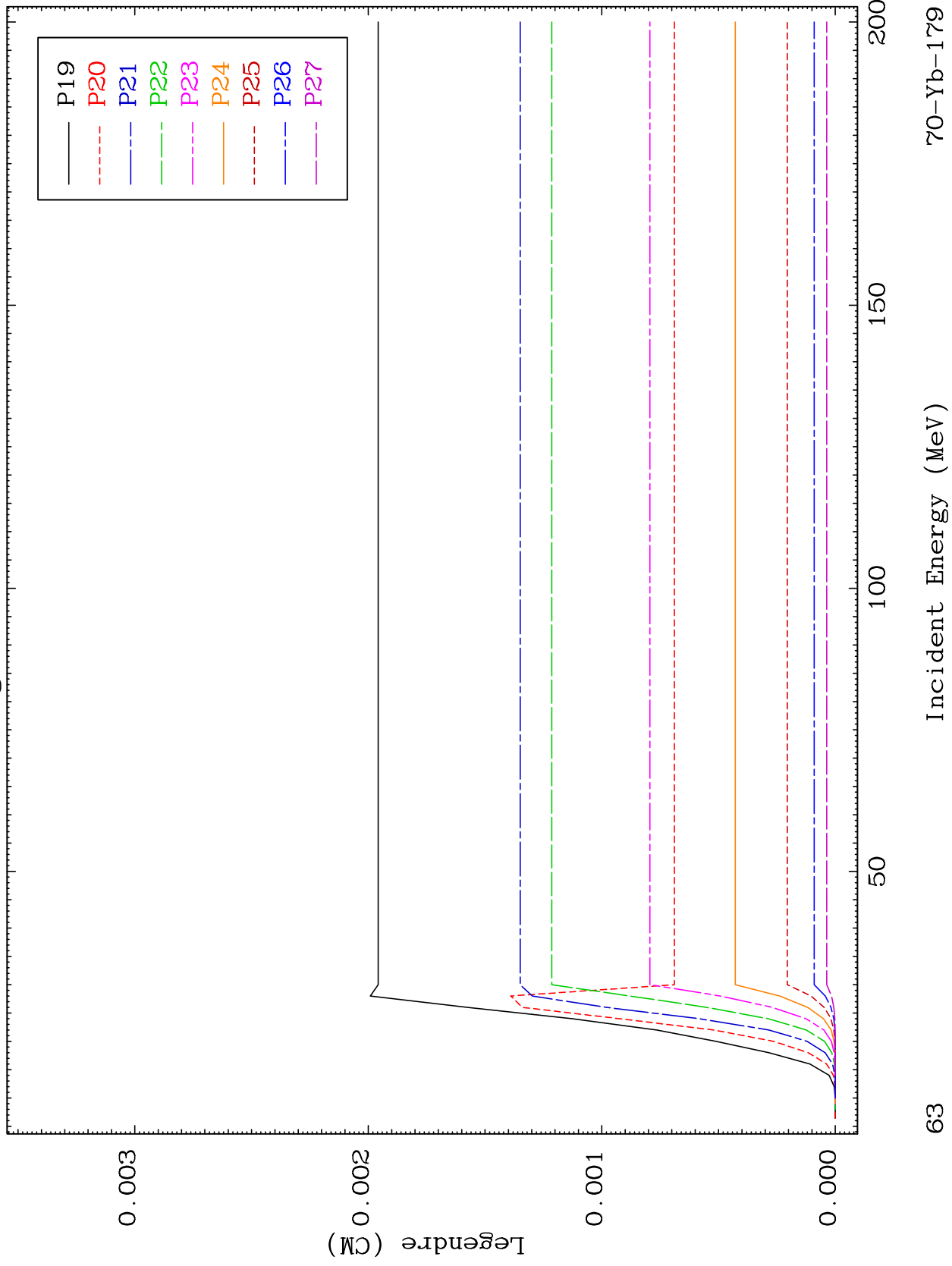




MAT 7058

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

70-Yb-179



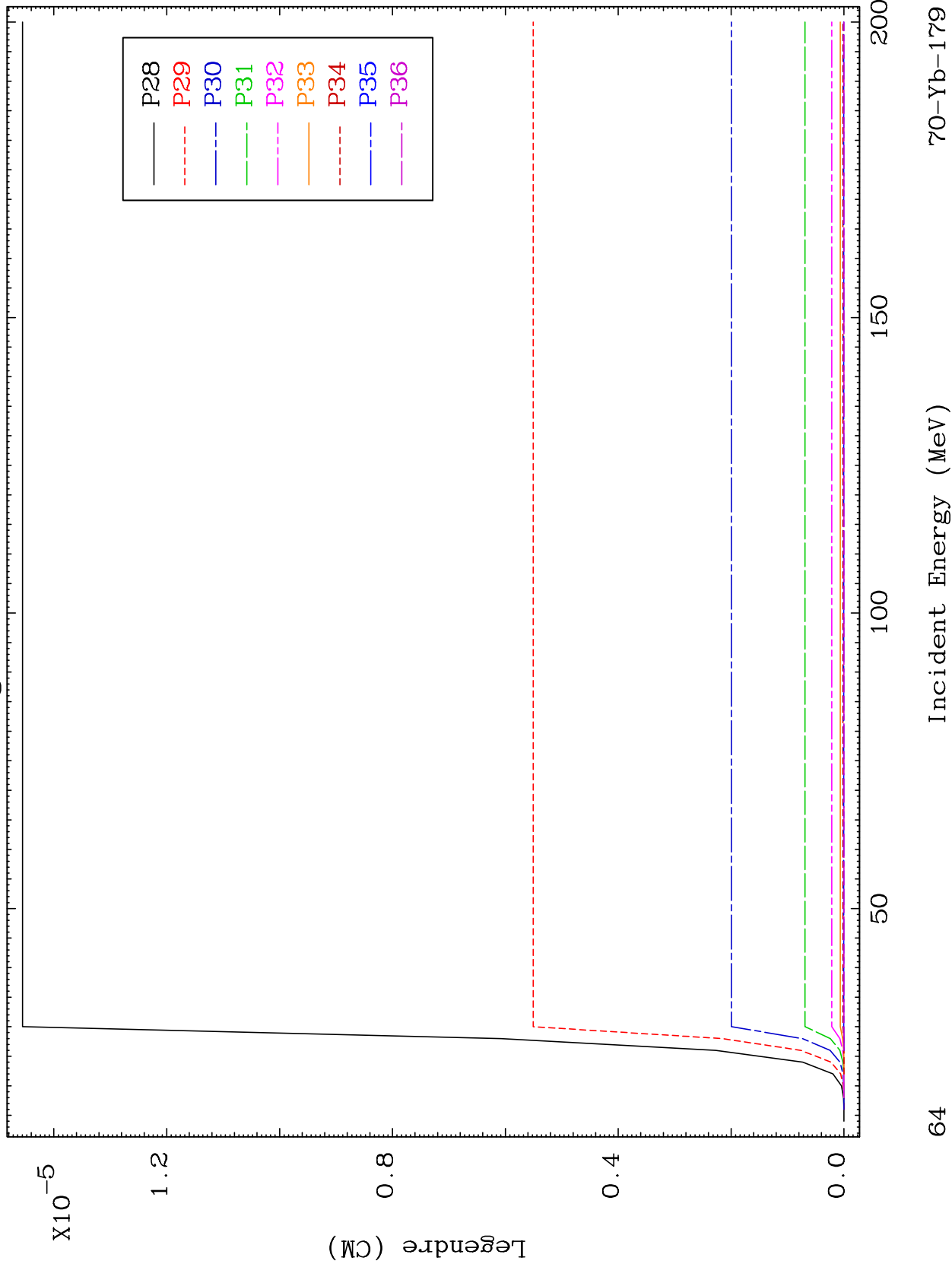
63

70-Yb-179

MAT 7058

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

70-Yb-179



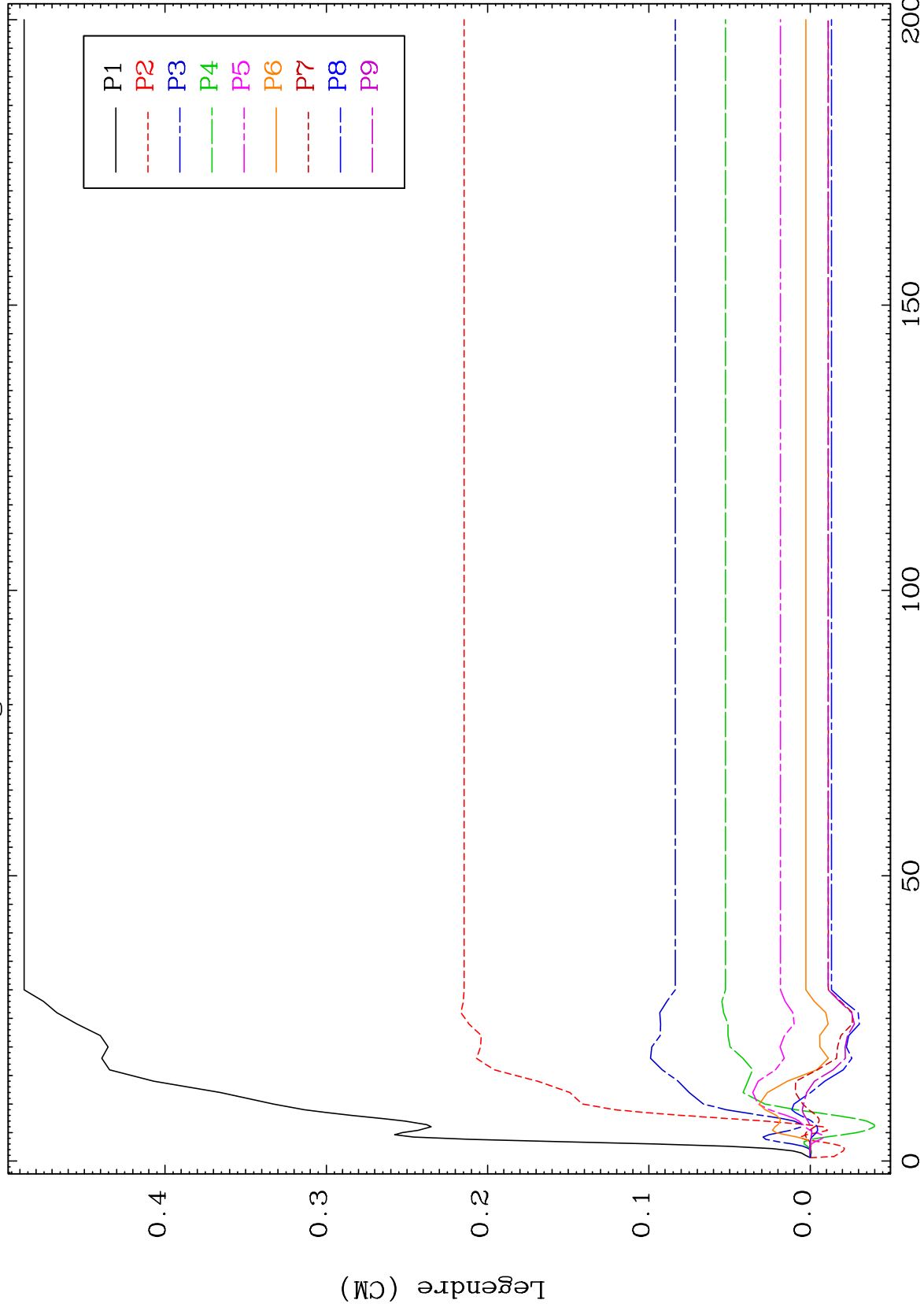
64

70-Yb-179

MAT 7058

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

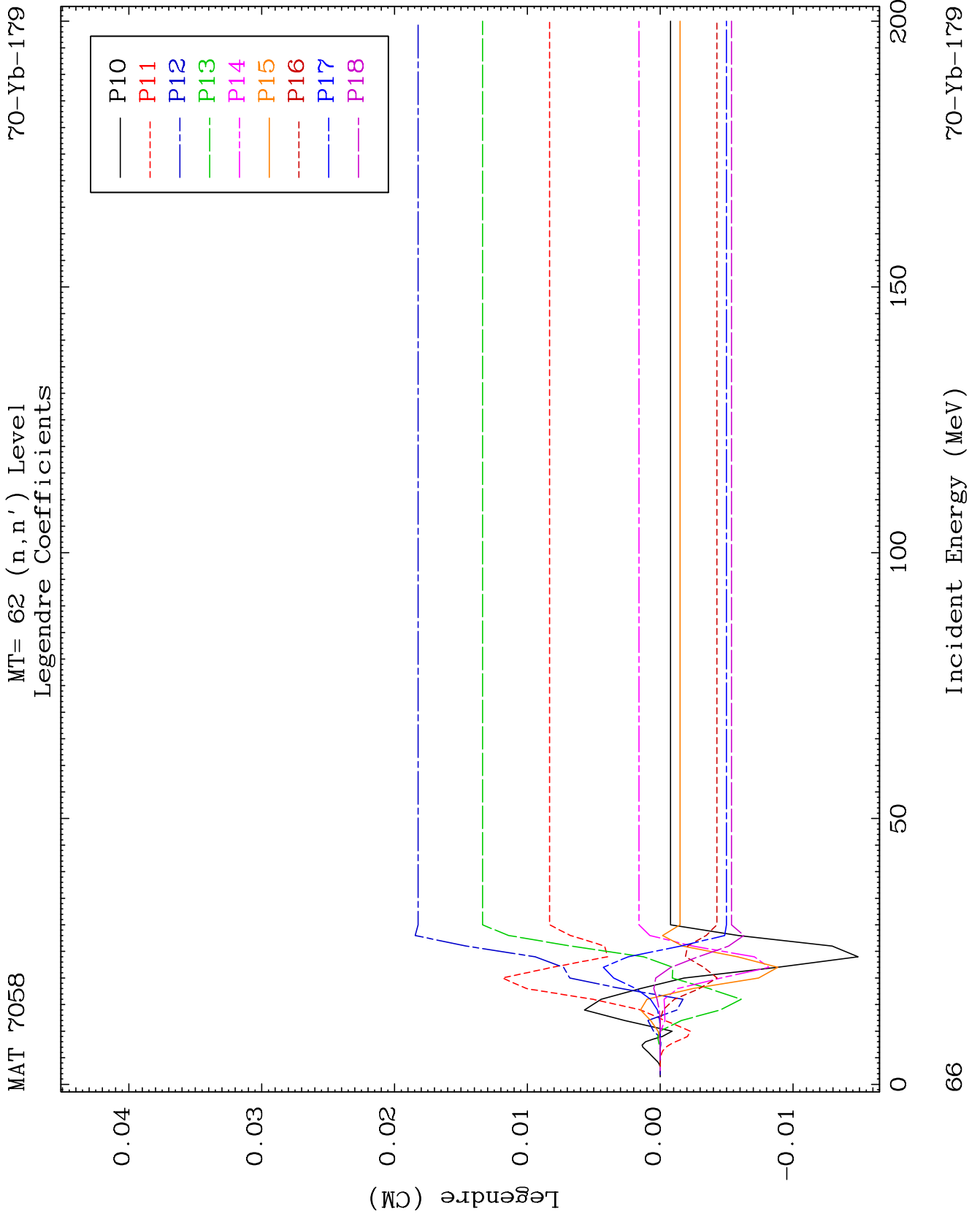
70-Yb-179



70-Yb-179

Incident Energy (MeV)

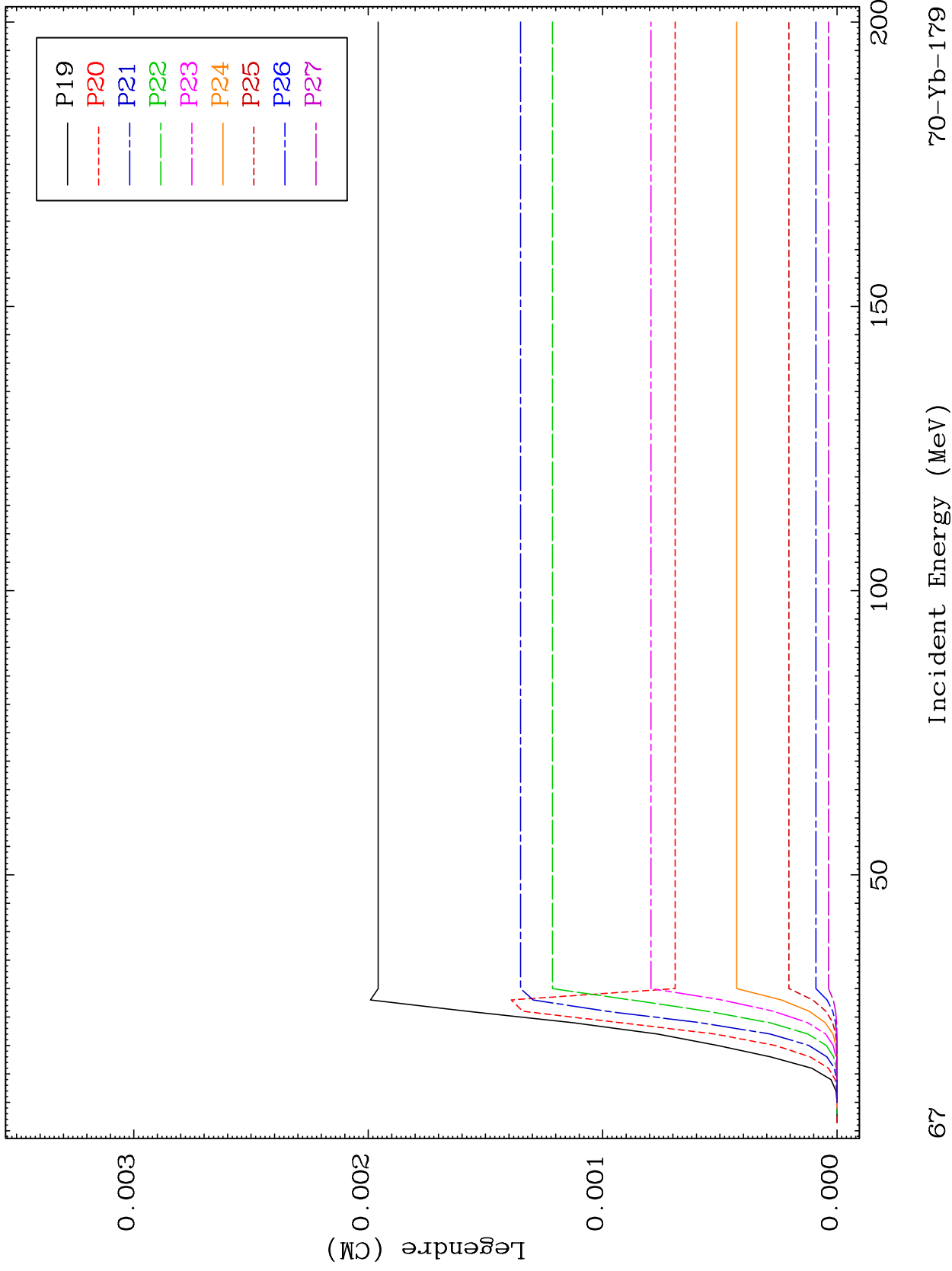
65



MAT 7058

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

70-Yb-179

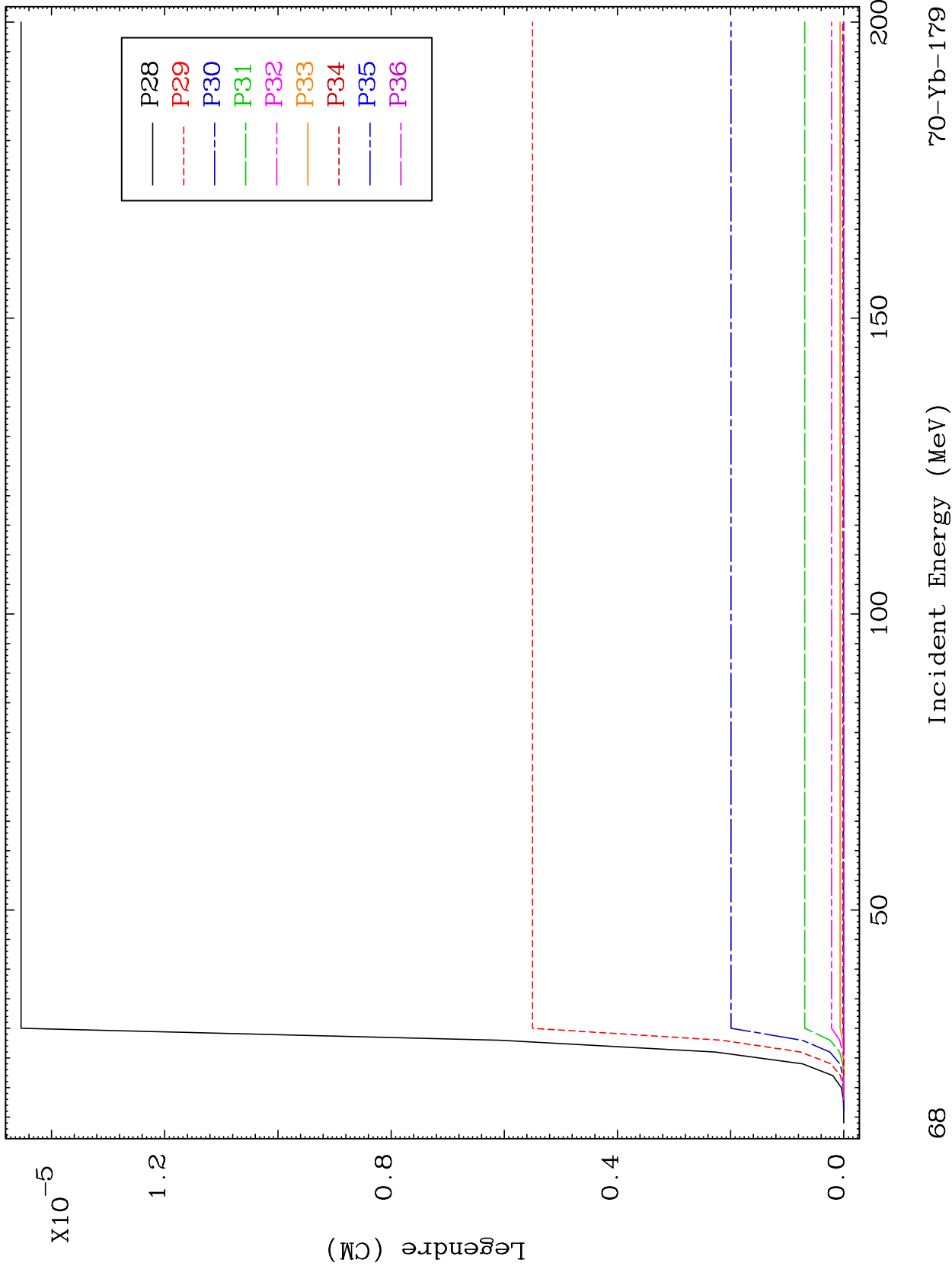


67

MAT 7058

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

70-Yb-179



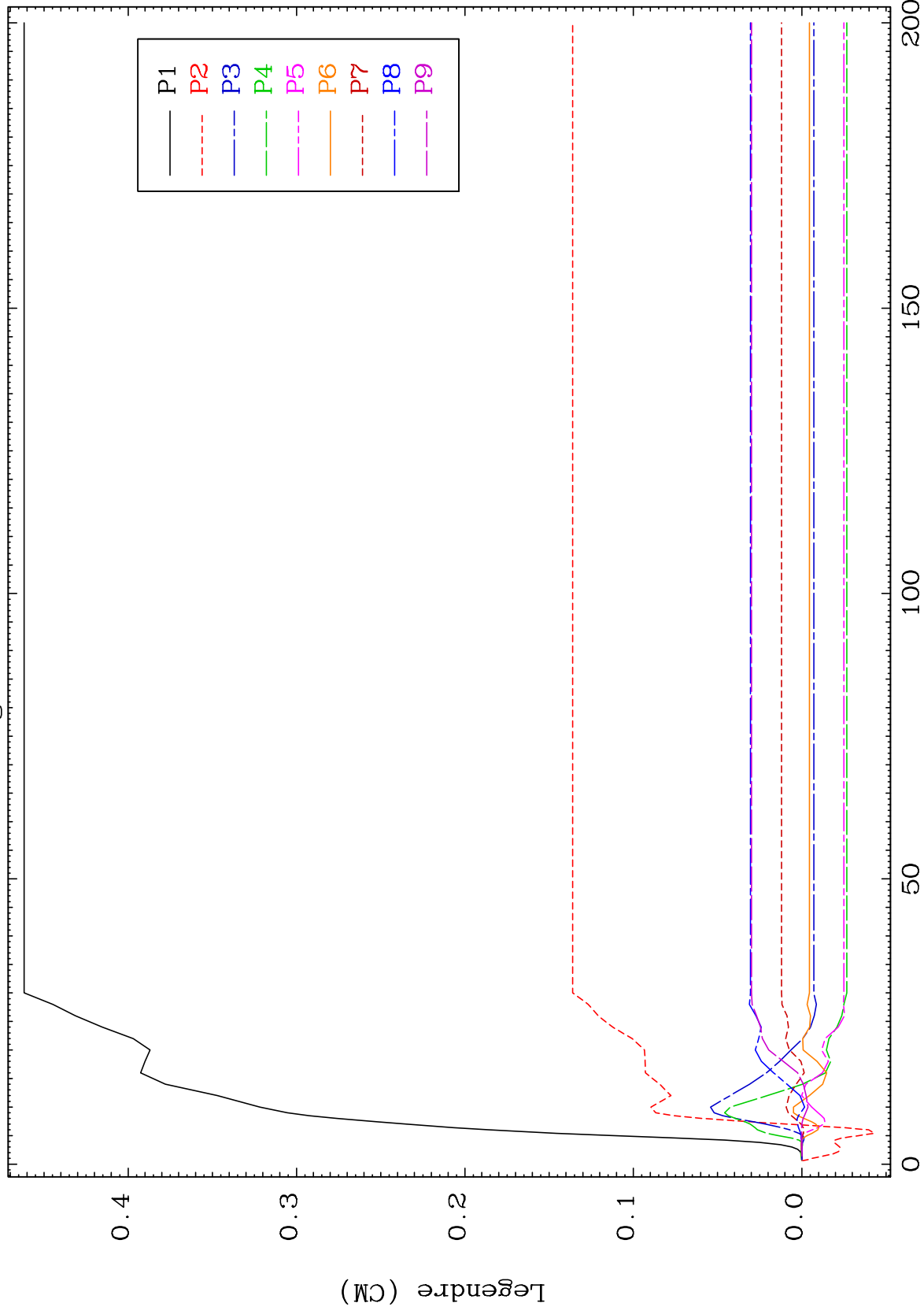
68

70-Yb-179

MAT 7058

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

70-Yb-179



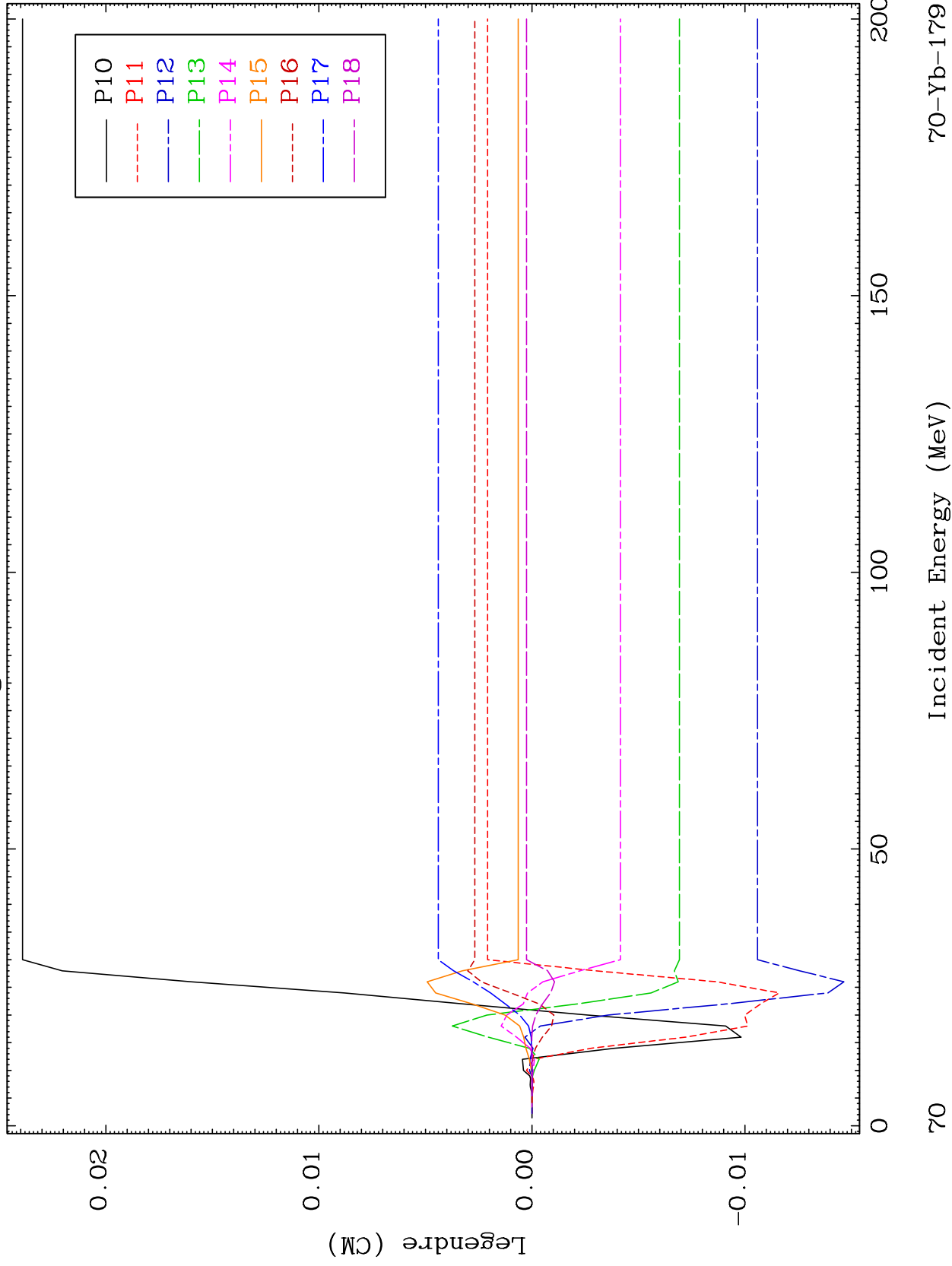
69

70-Yb-179

MAT 7058

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

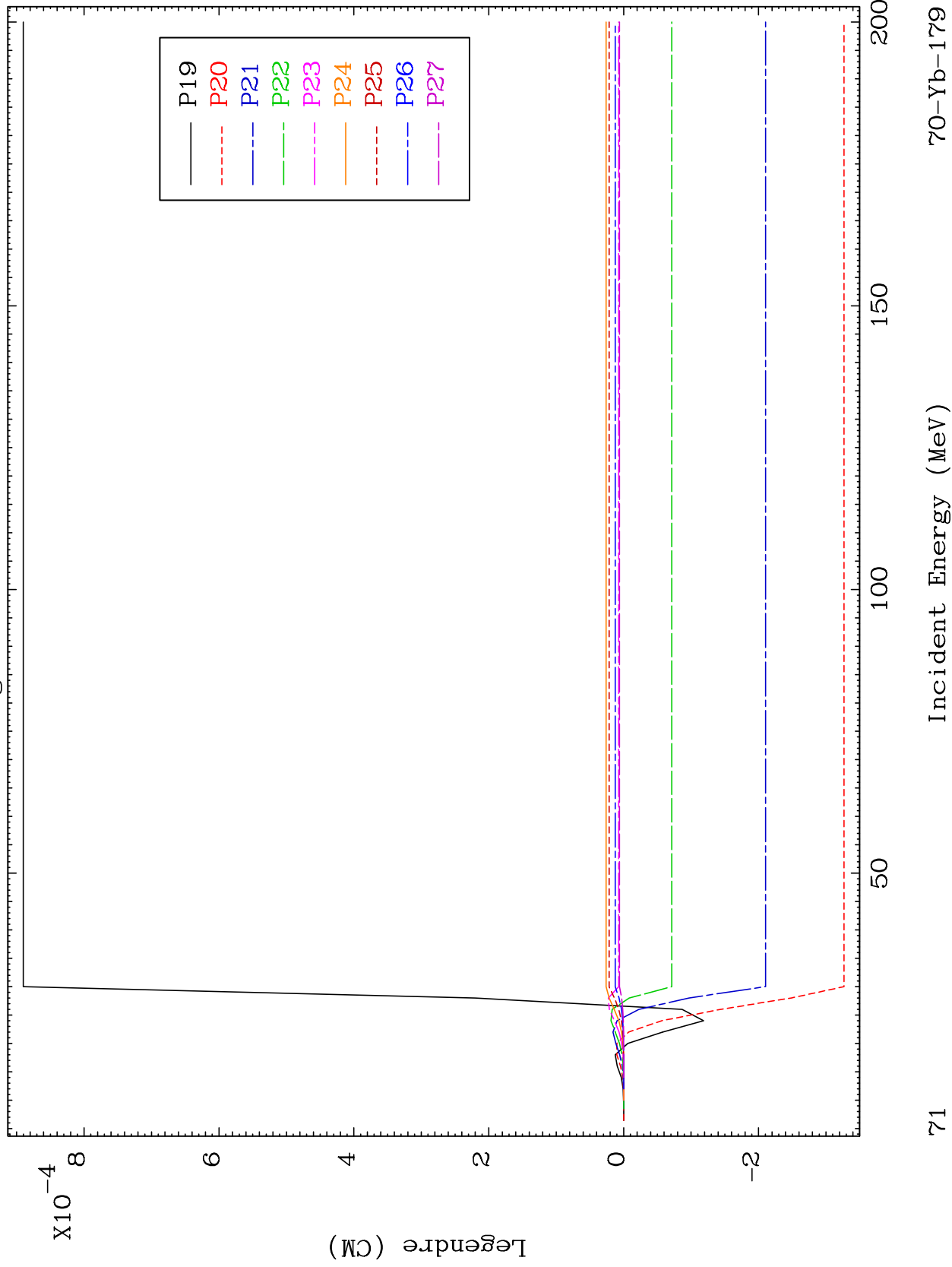
70-Yb-179



MAT 7058

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

70-Yb-179



71

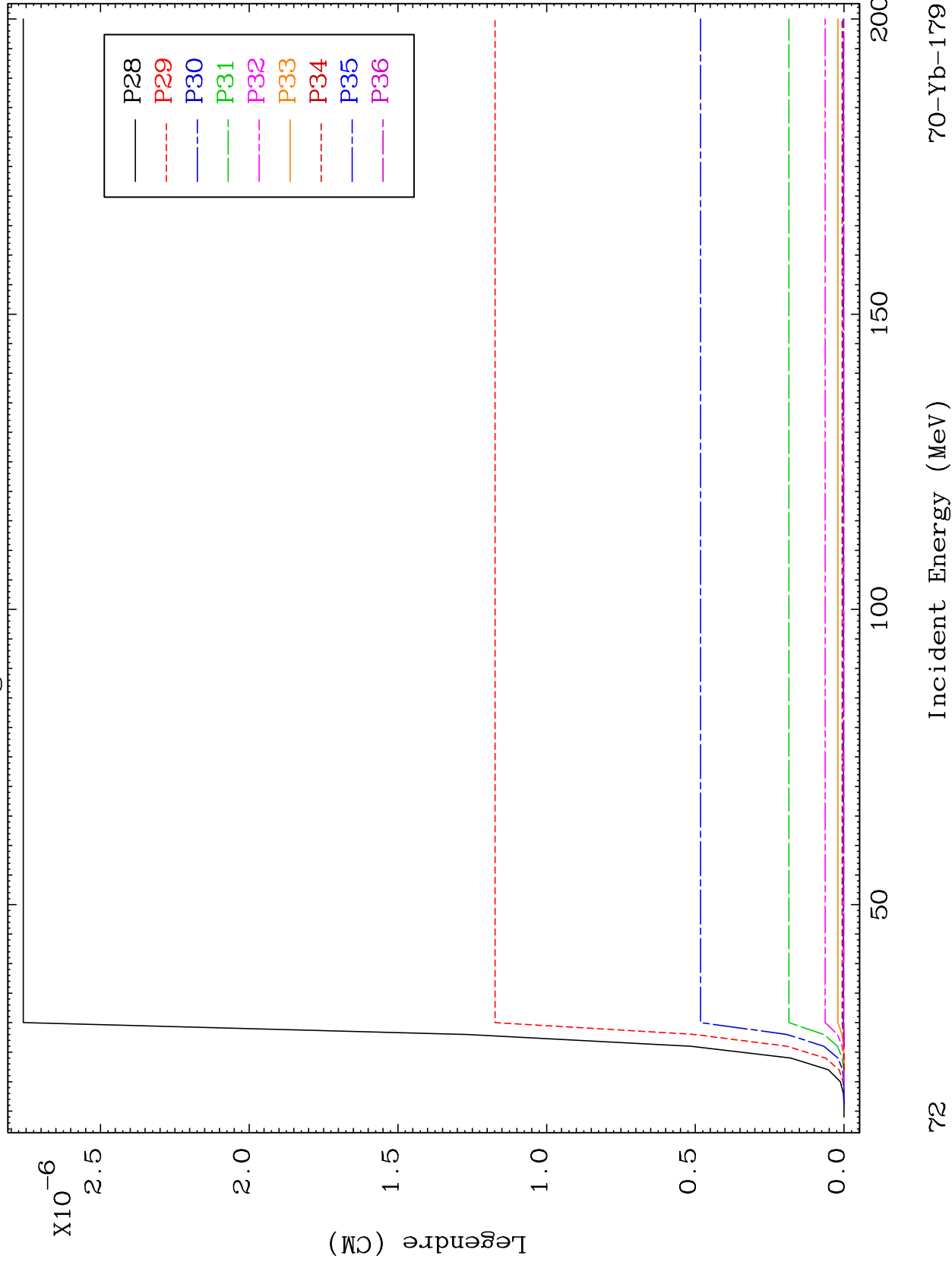
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179

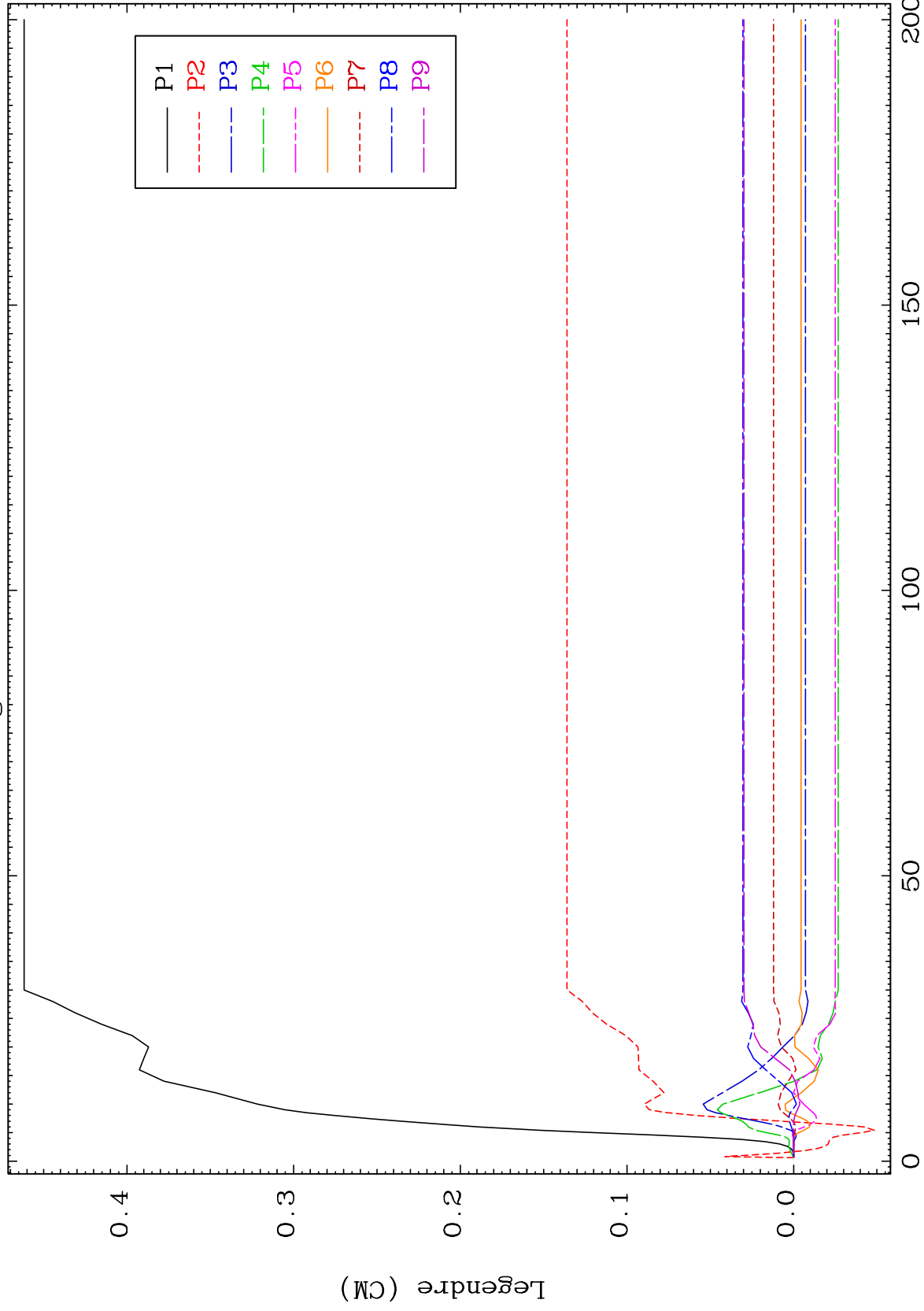


72

MAT 7058

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

70-Yb-179



73

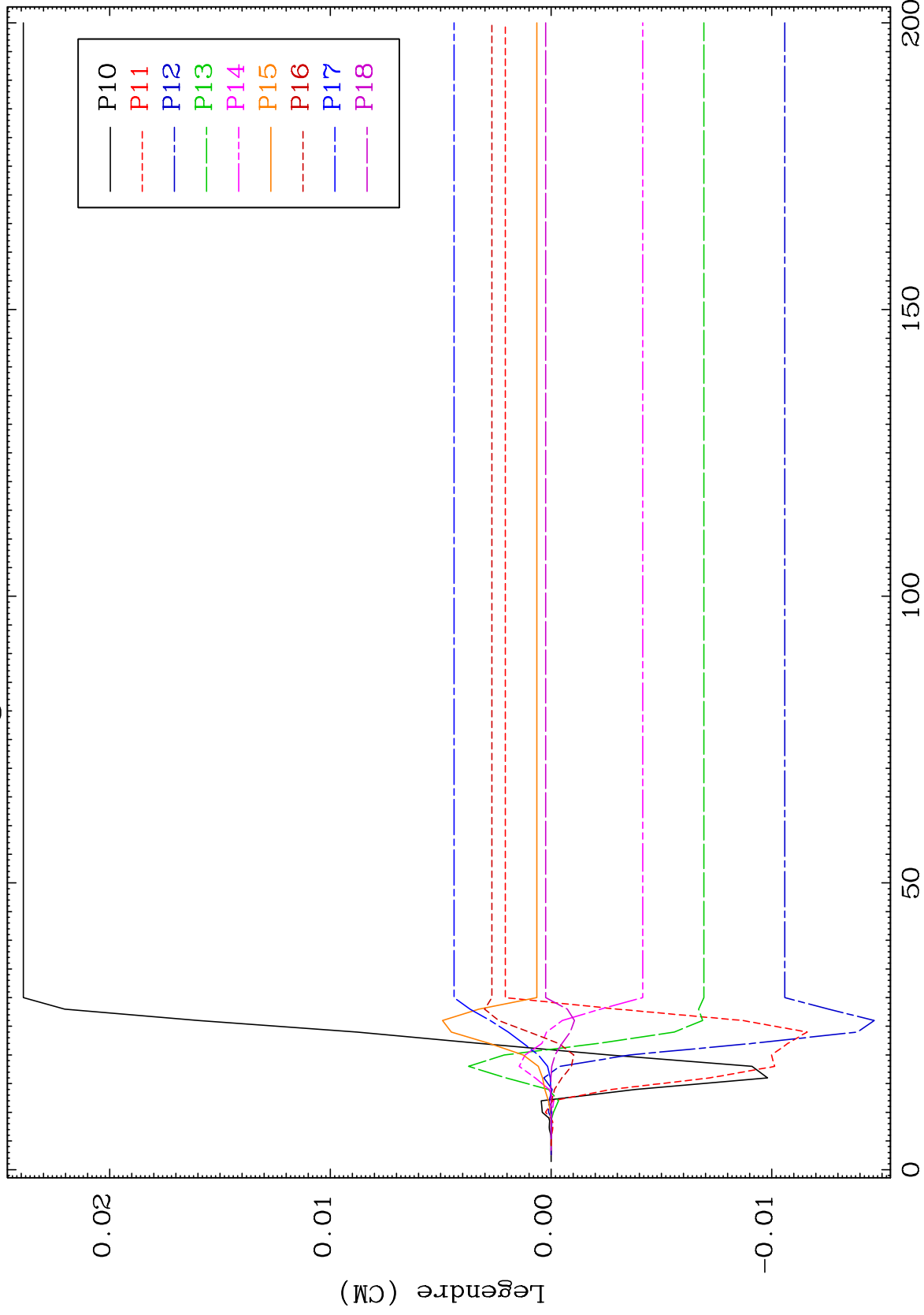
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



74

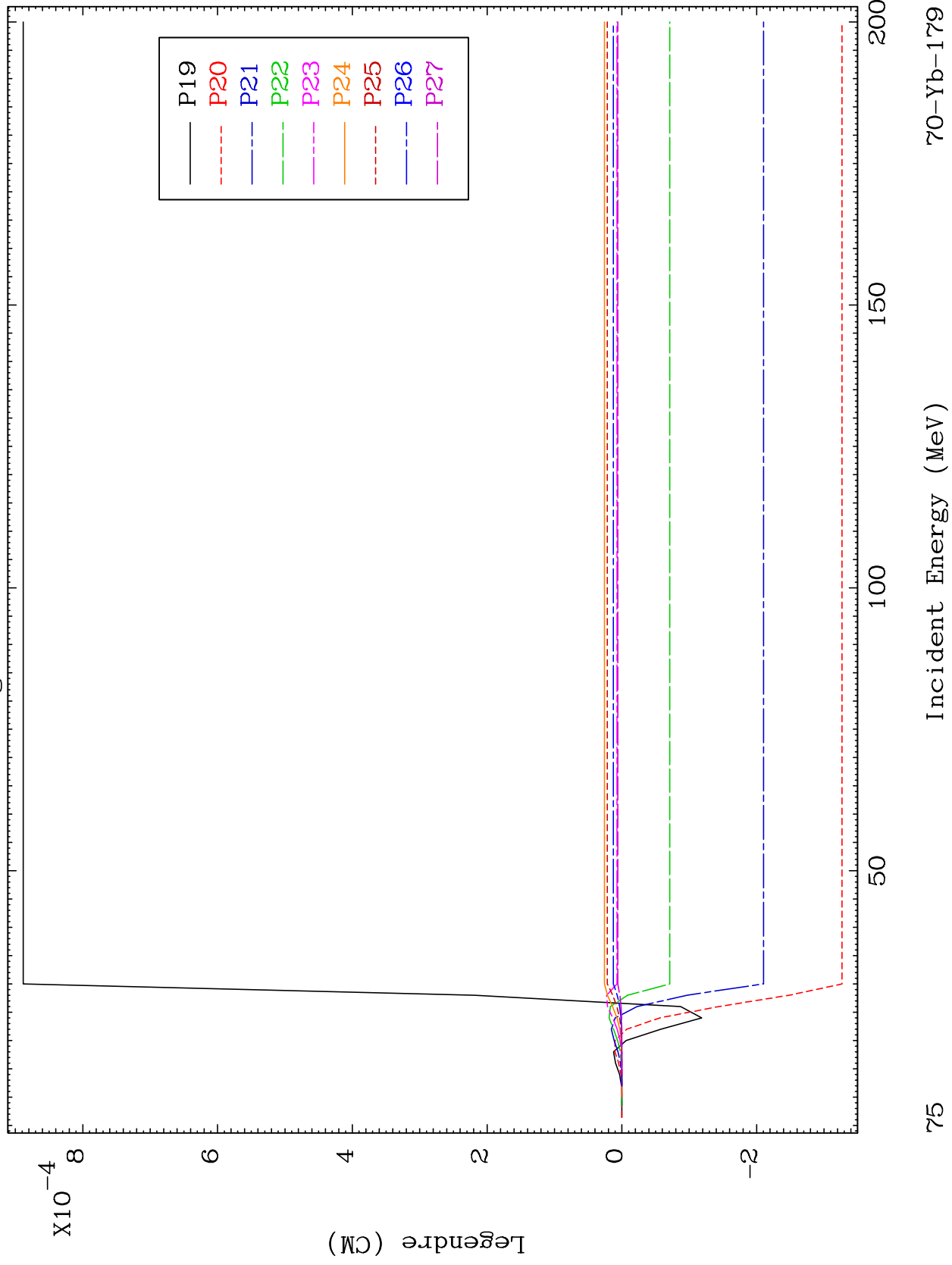
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

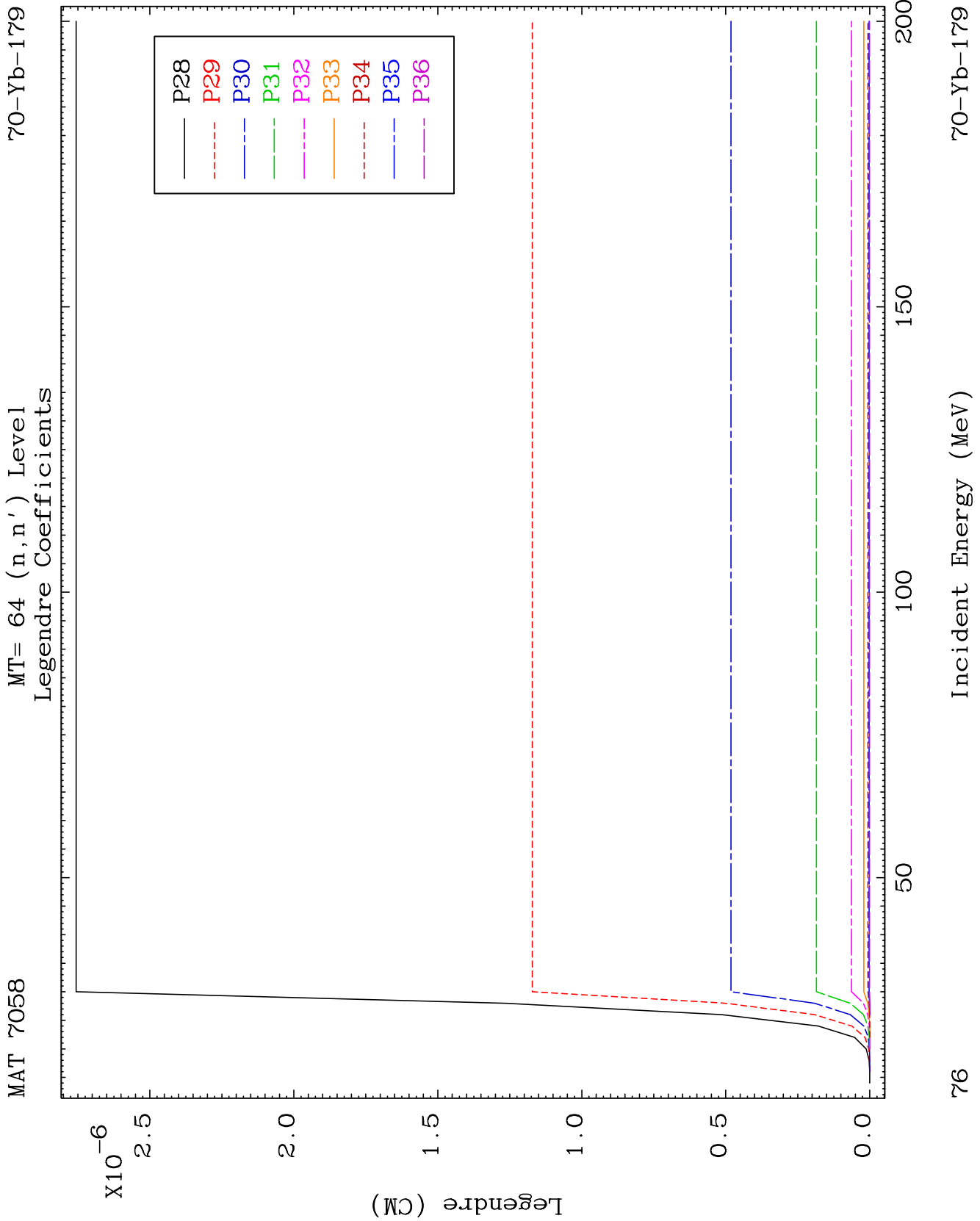
70-Yb-179



75

Incident Energy (MeV)

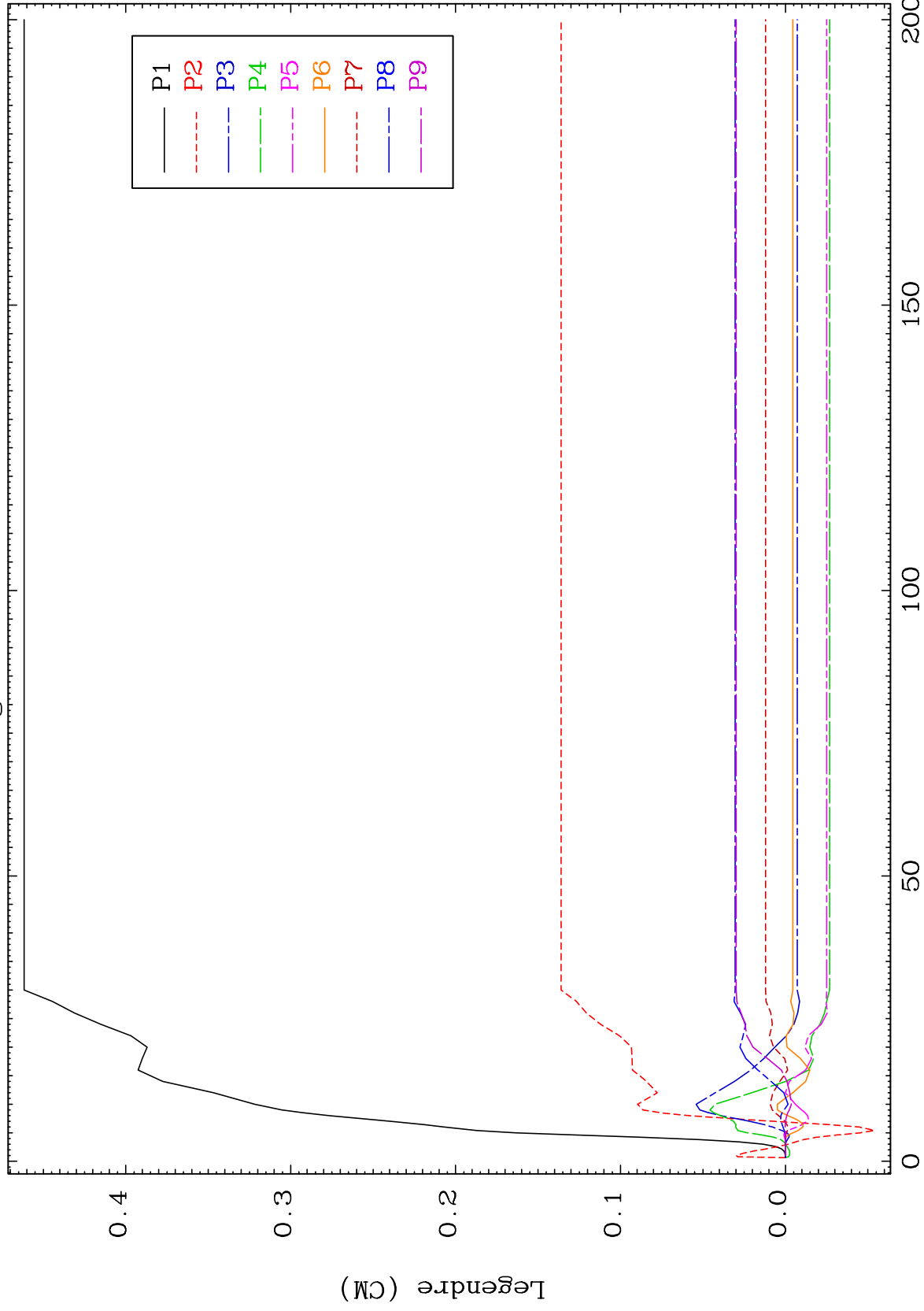
70-Yb-179



MAT 7058

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

70-Yb-179



77

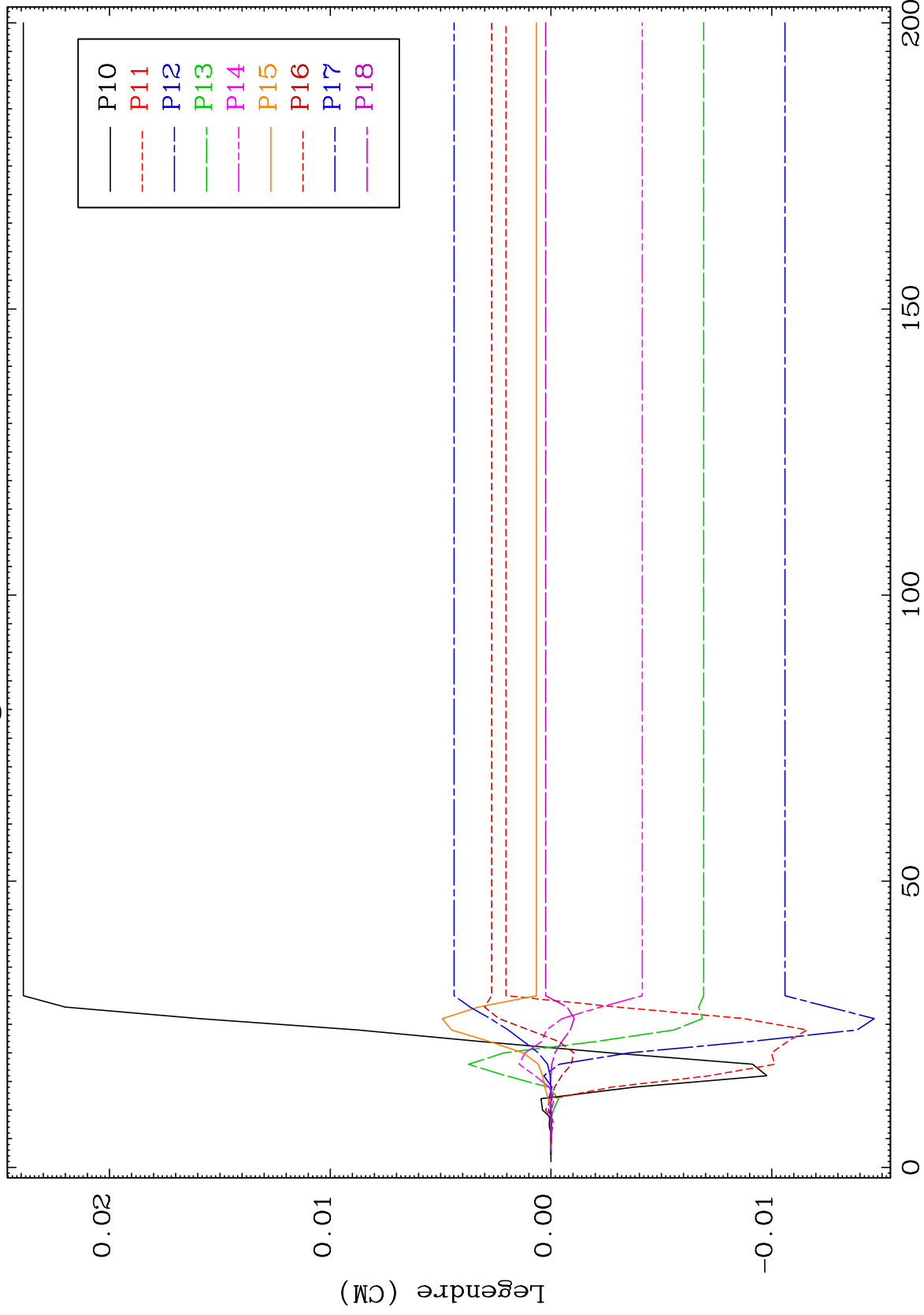
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



Incident Energy (MeV)

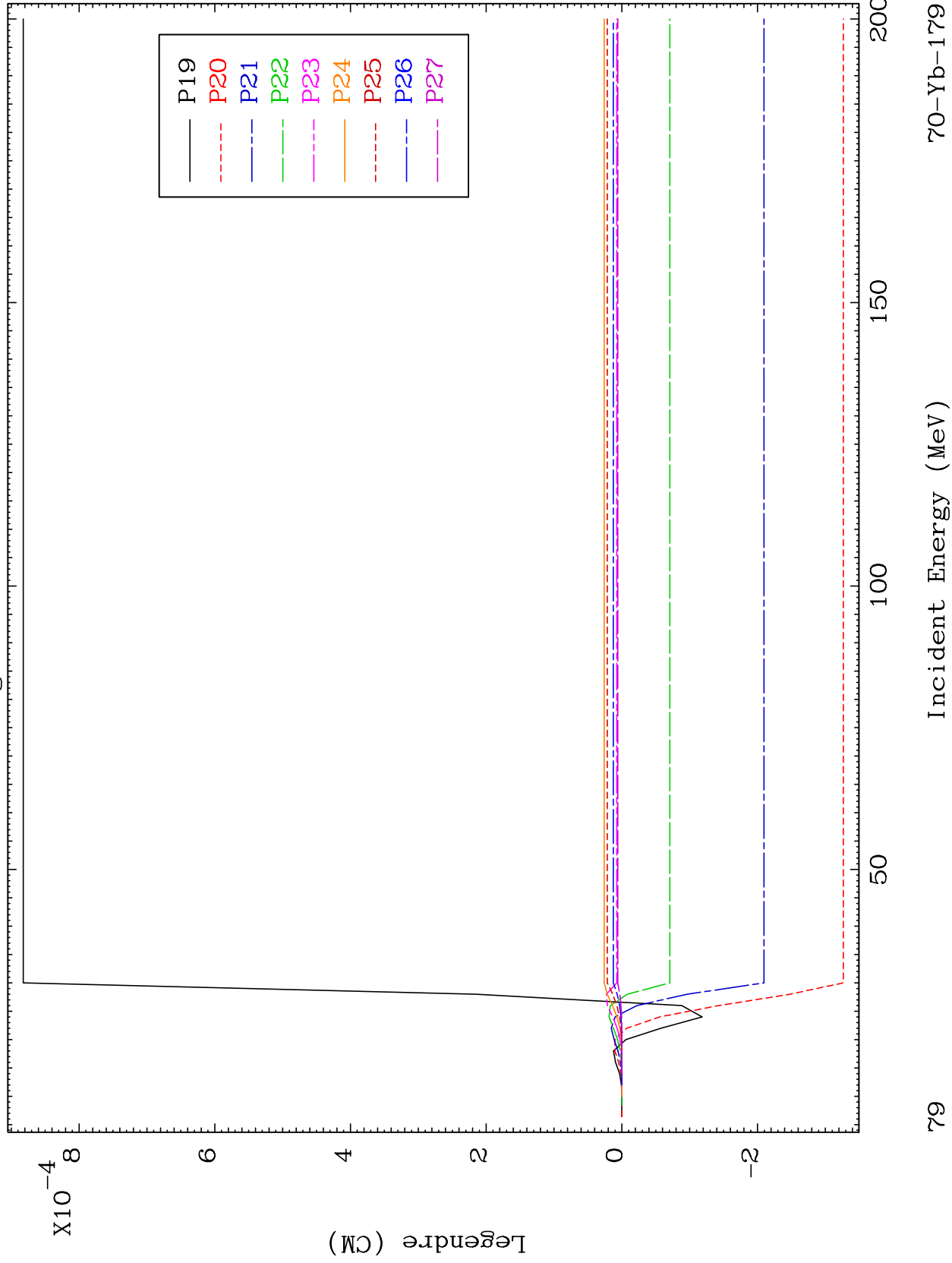
70-Yb-179

78

MAT 7058

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

70-Yb-179



79

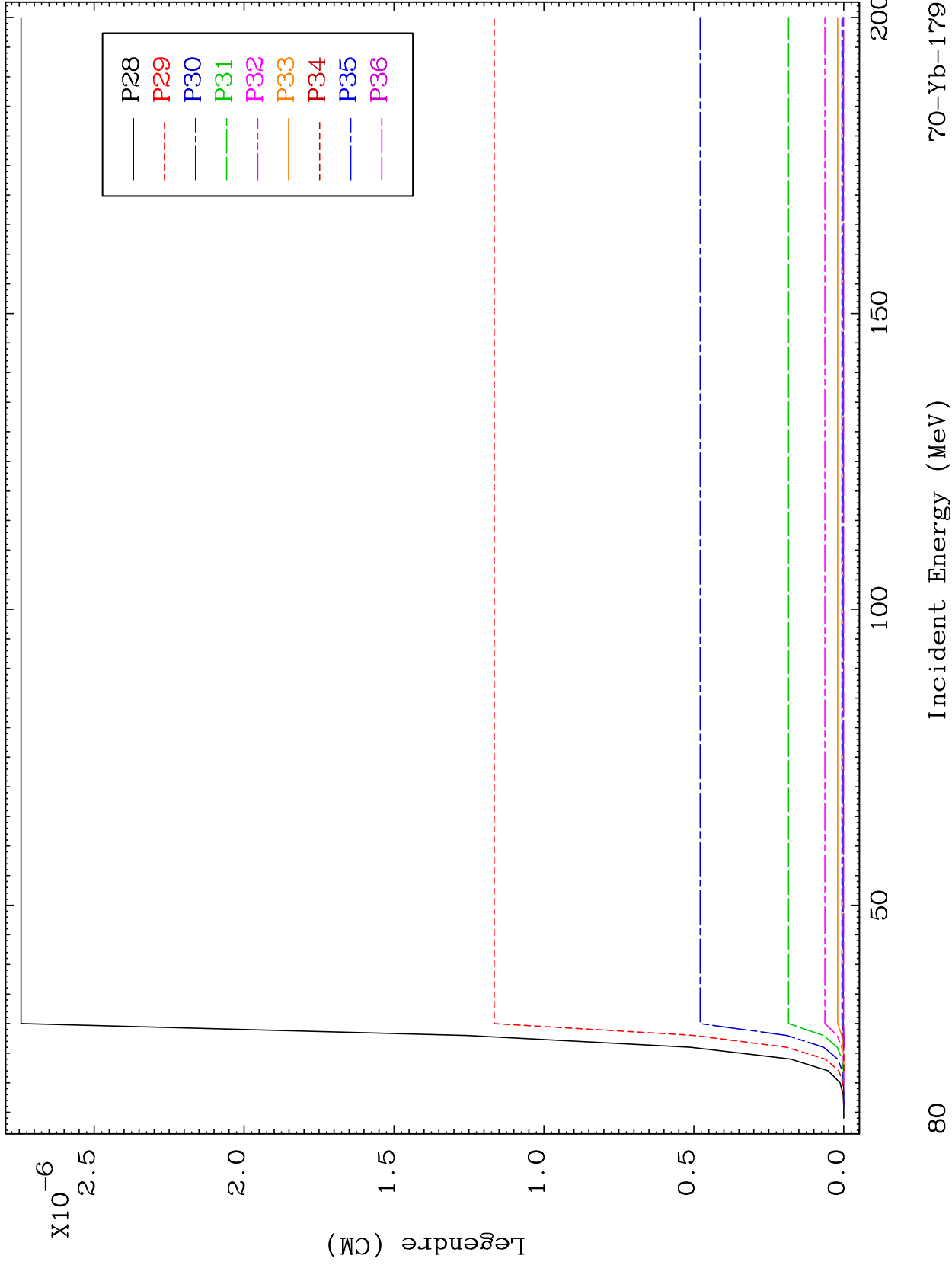
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

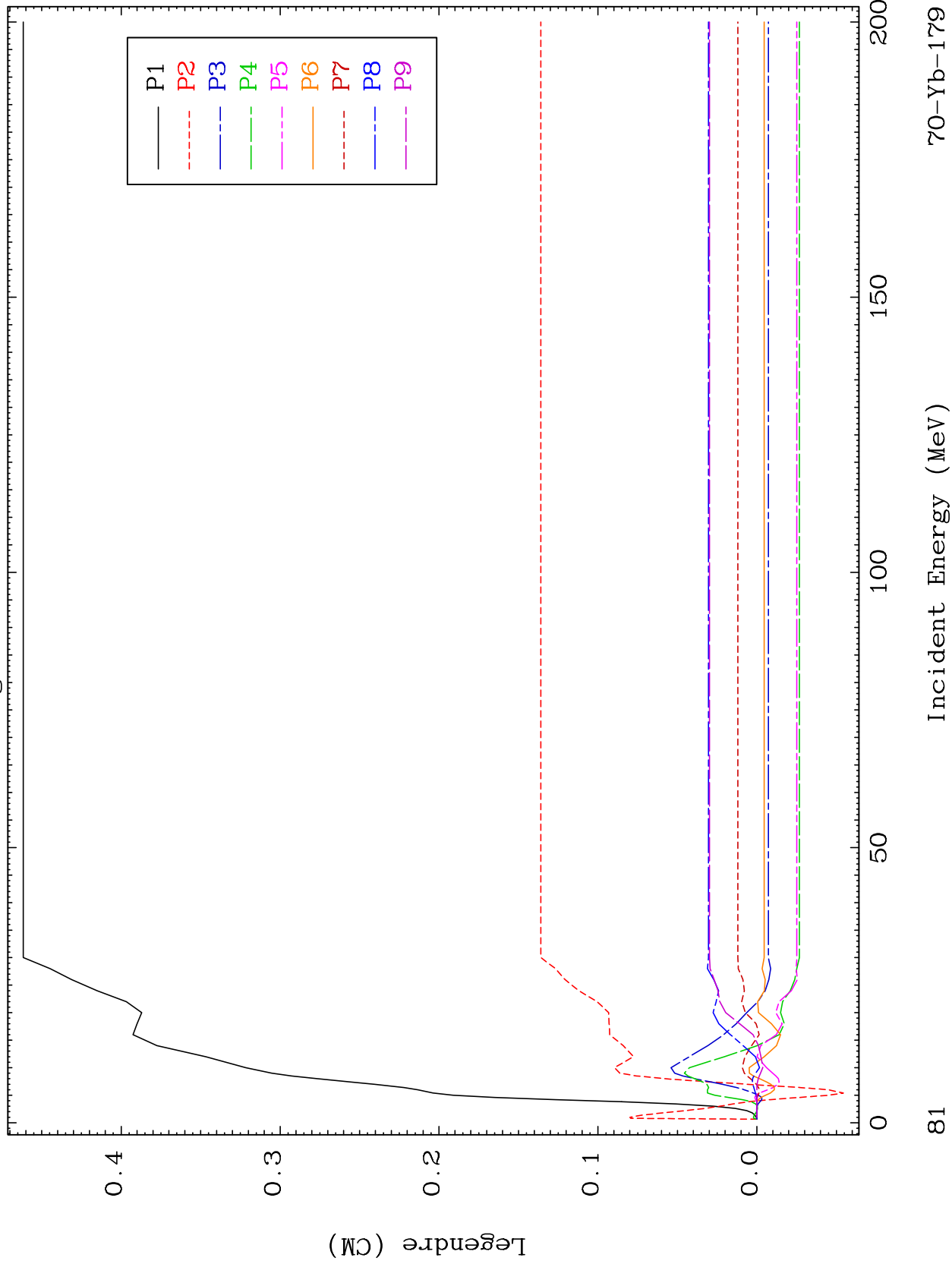
70-Yb-179



MAT 7058

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

70-Yb-179



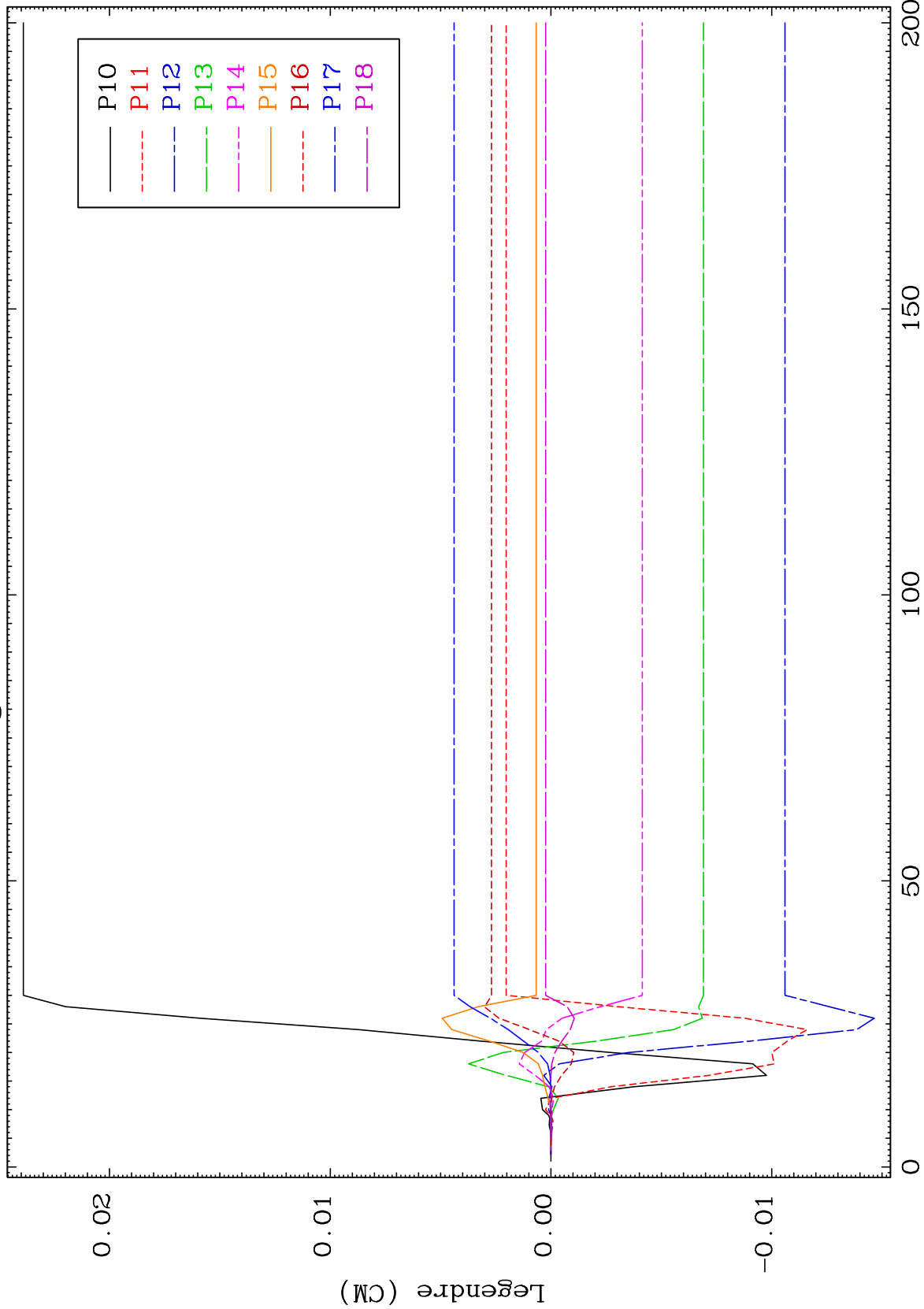
81

70-Yb-179

MAT 7058

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

70-Yb-179



82

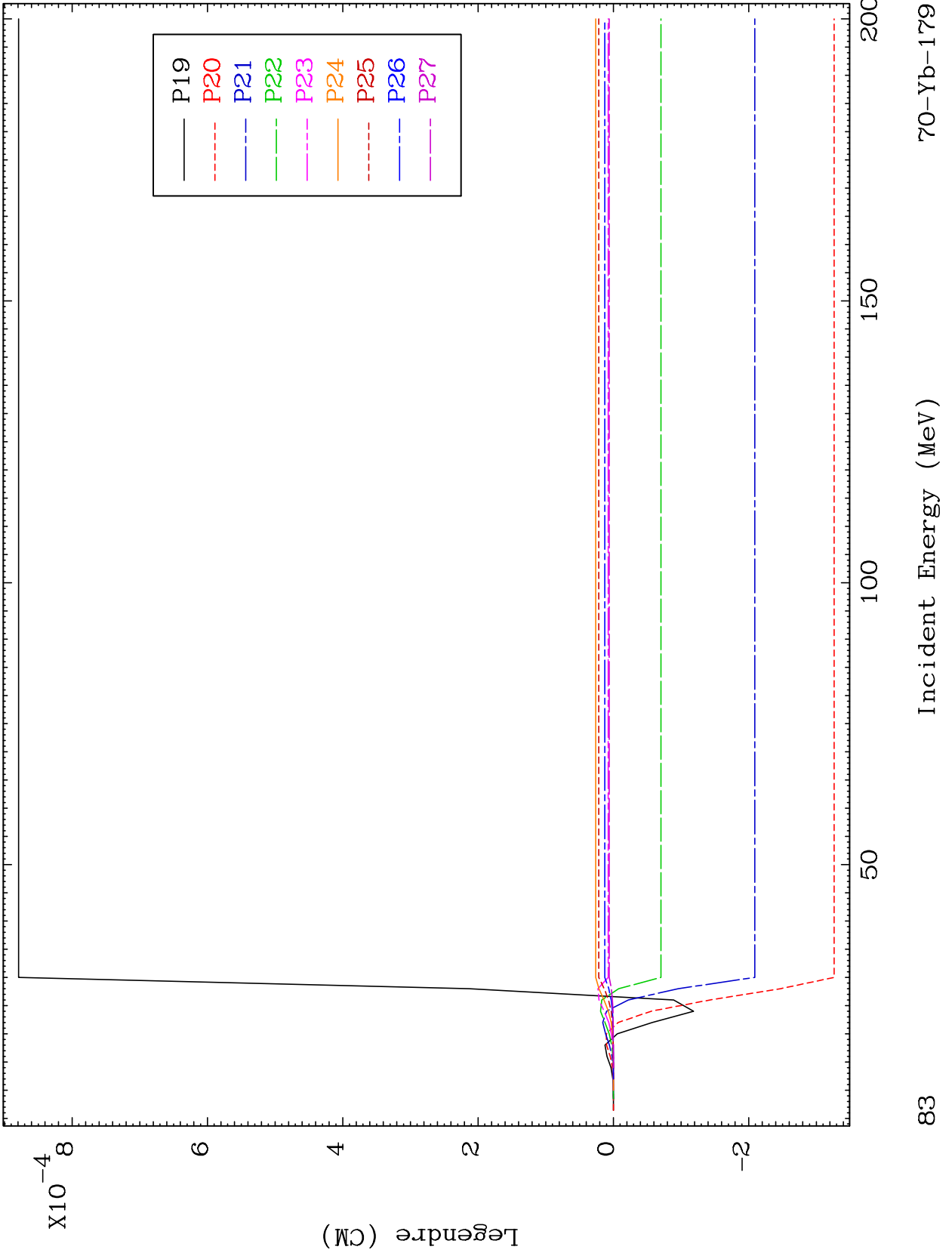
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

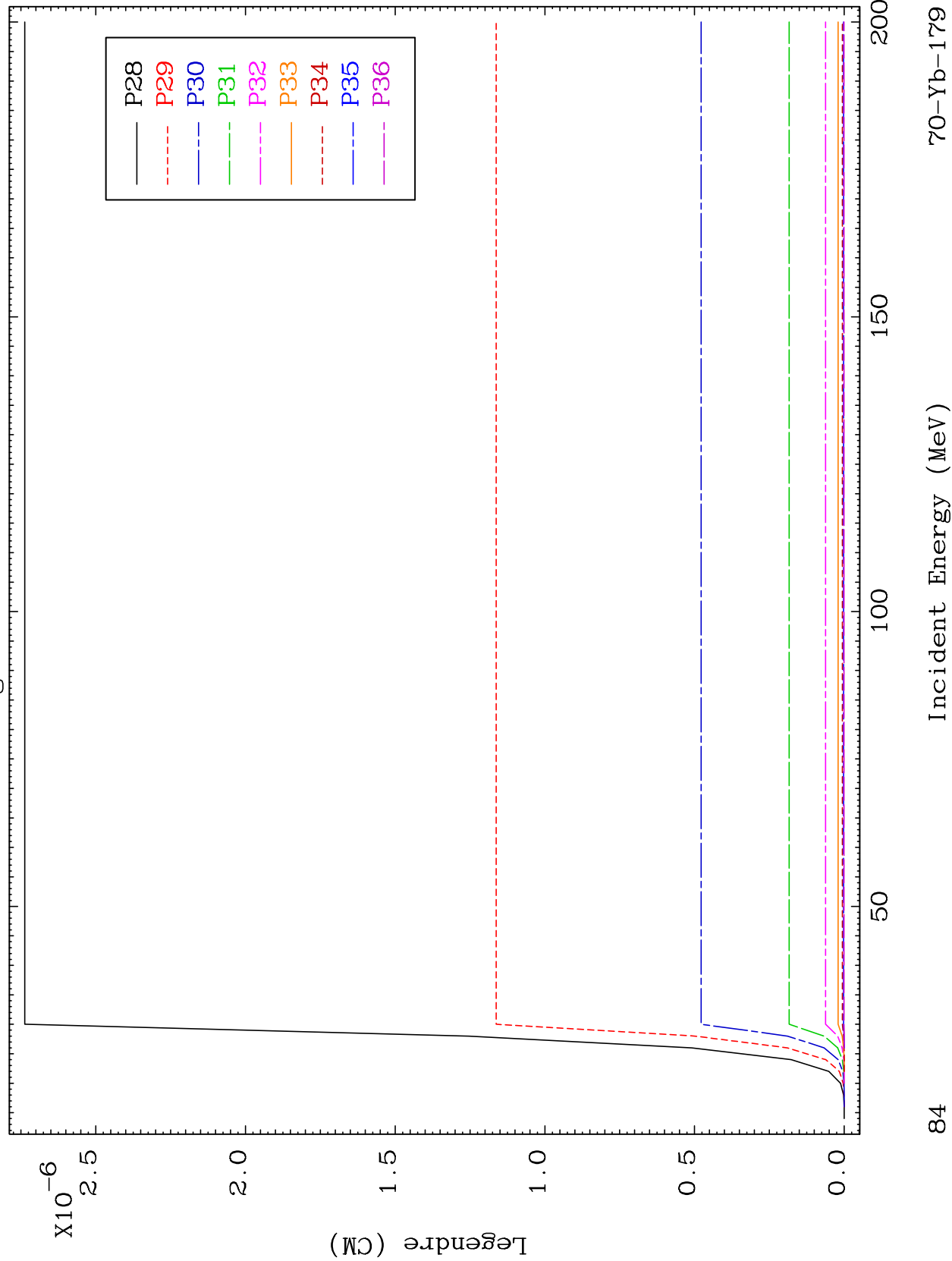
70-Yb-179



MAT 7058

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

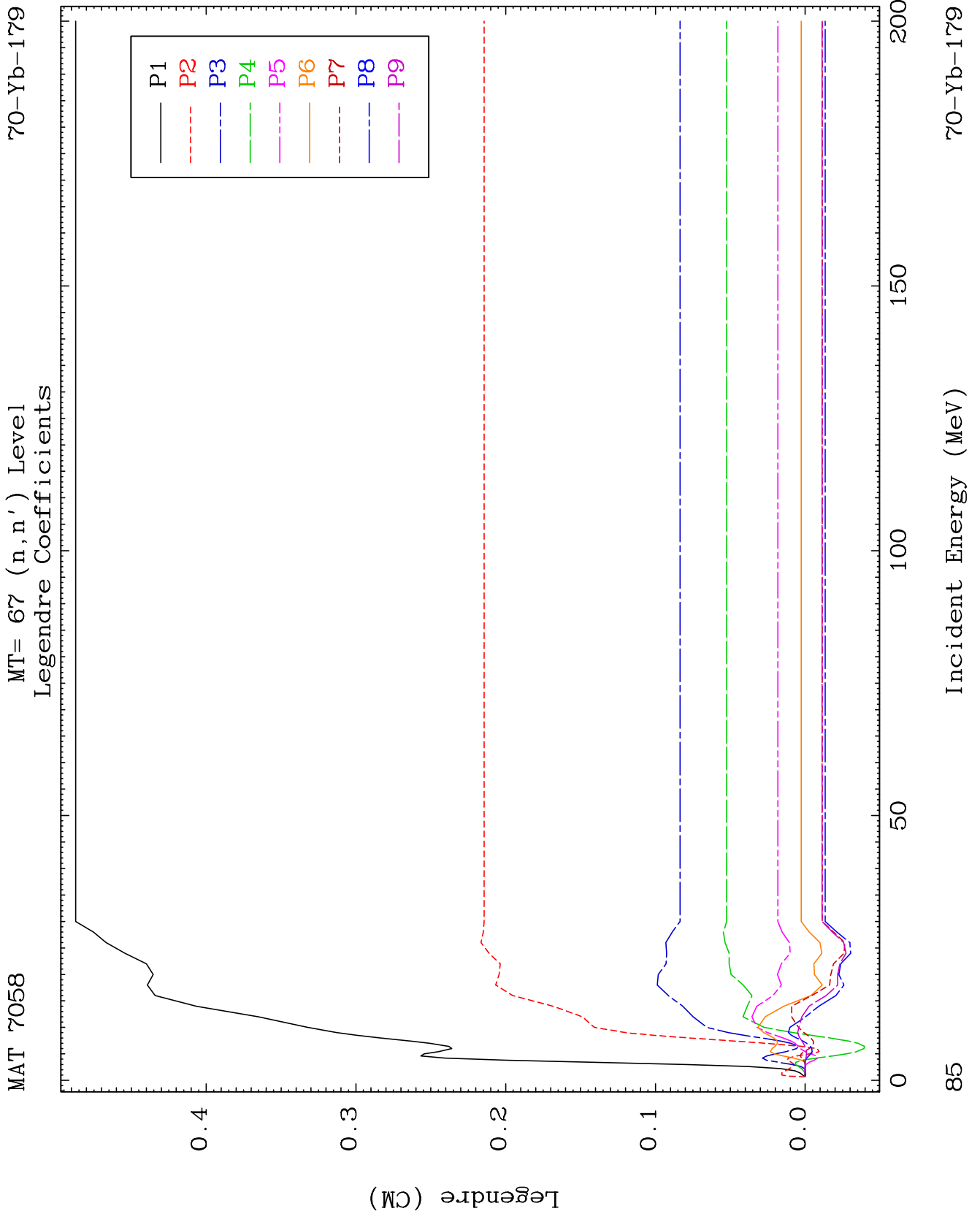
70-Yb-179

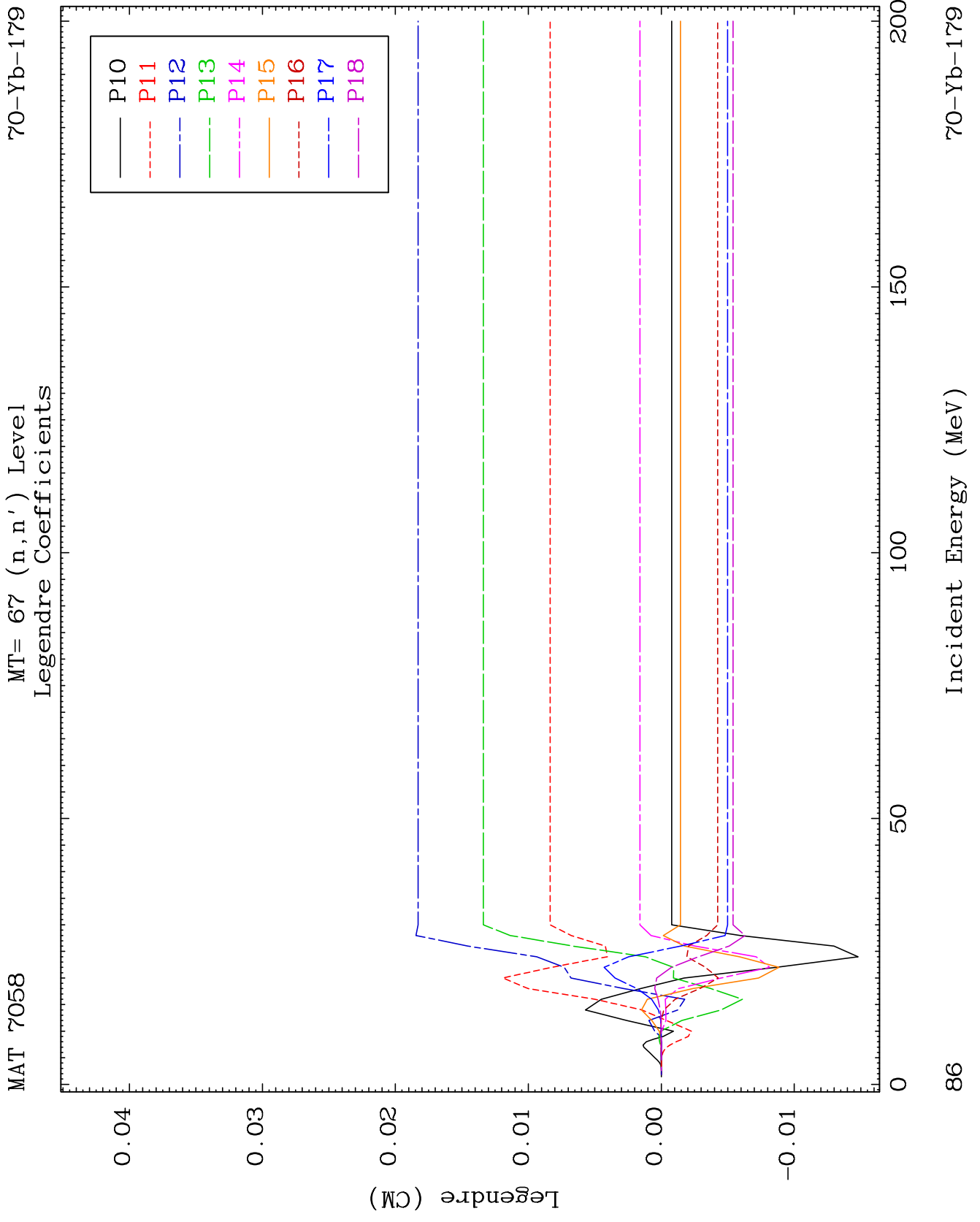


84

Incident Energy (MeV)

70-Yb-179

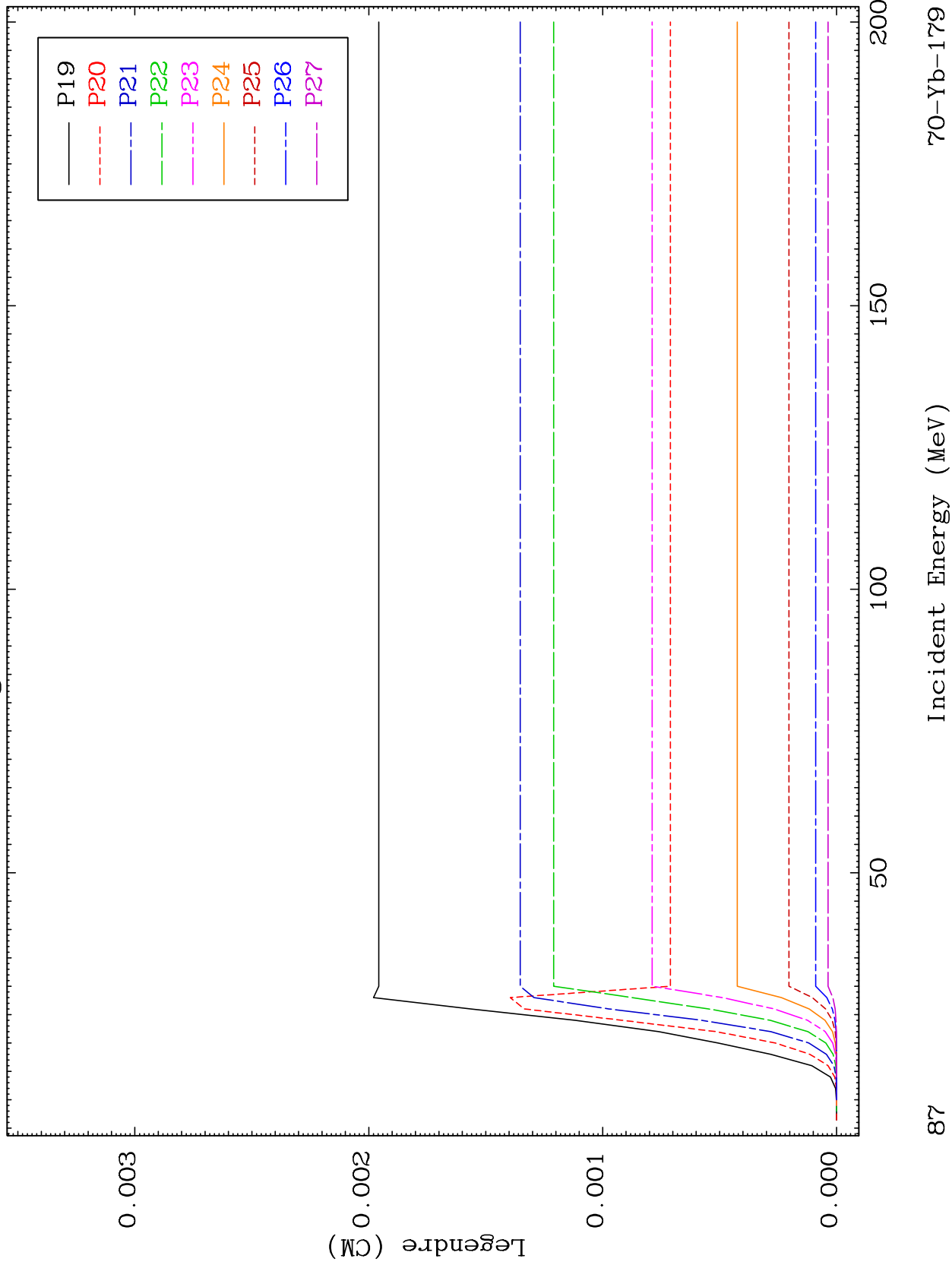




MAT 7058

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

70-Yb-179



87

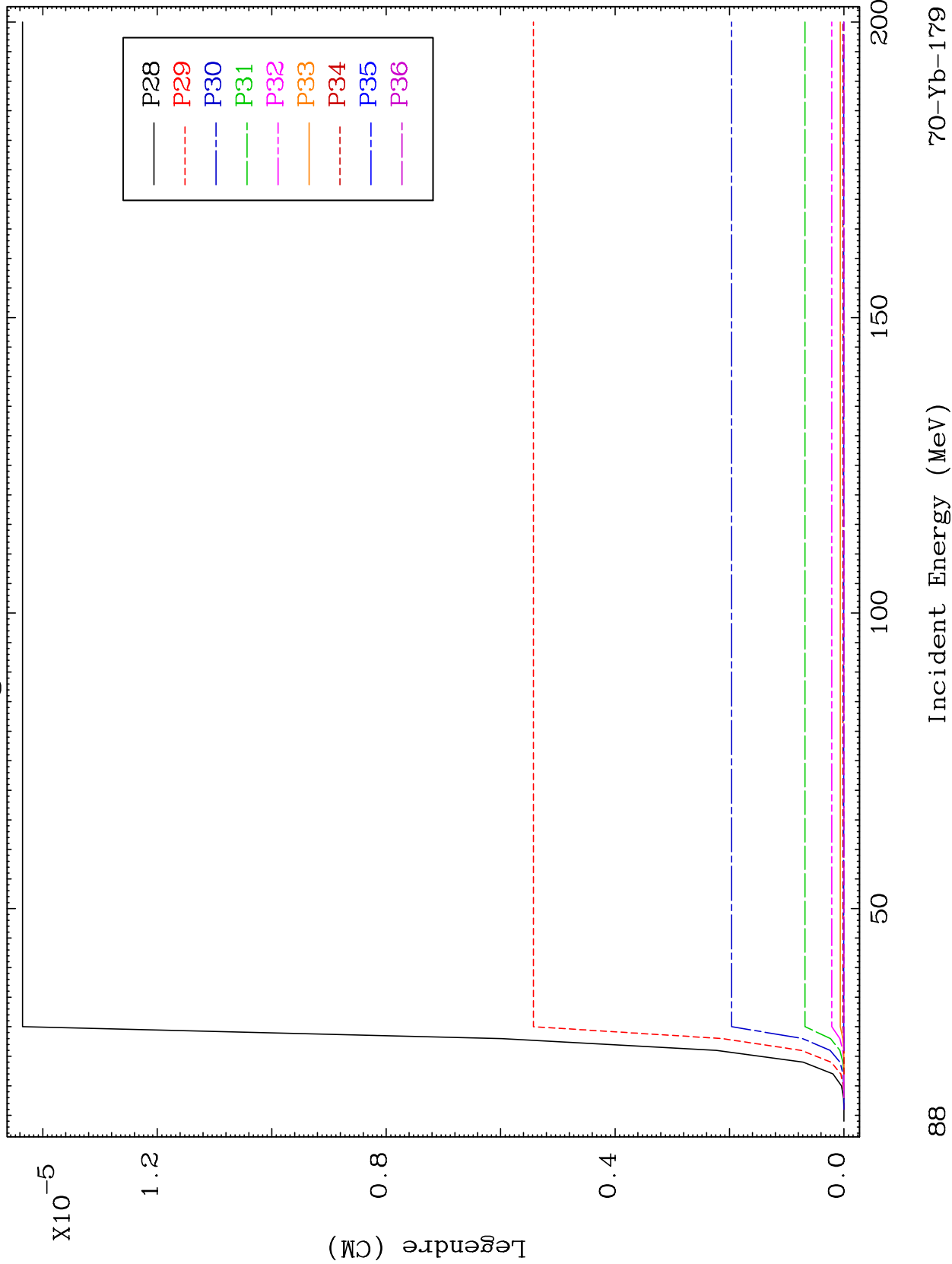
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

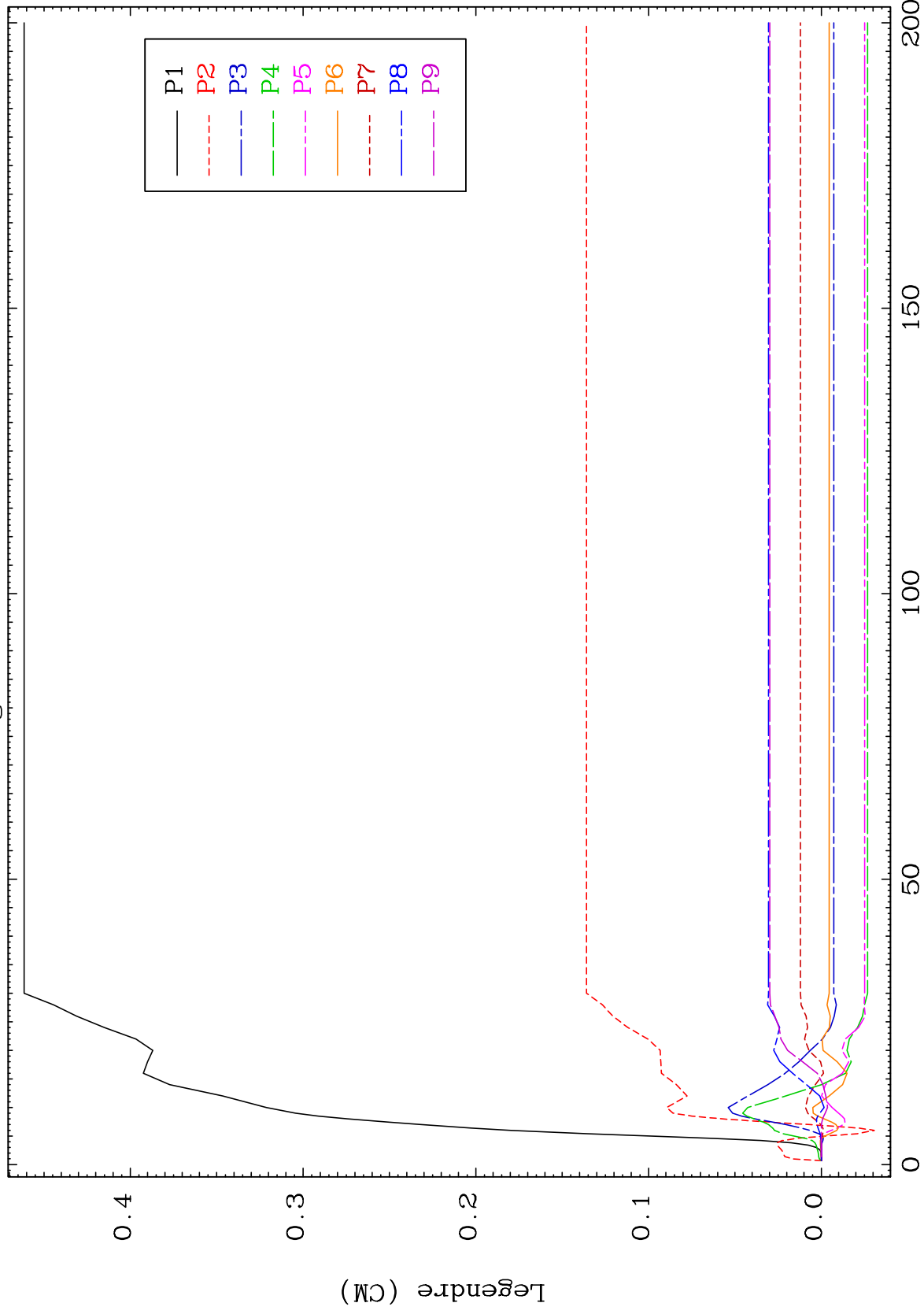
70-Yb-179



MAT 7058

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

70-Yb-179



89

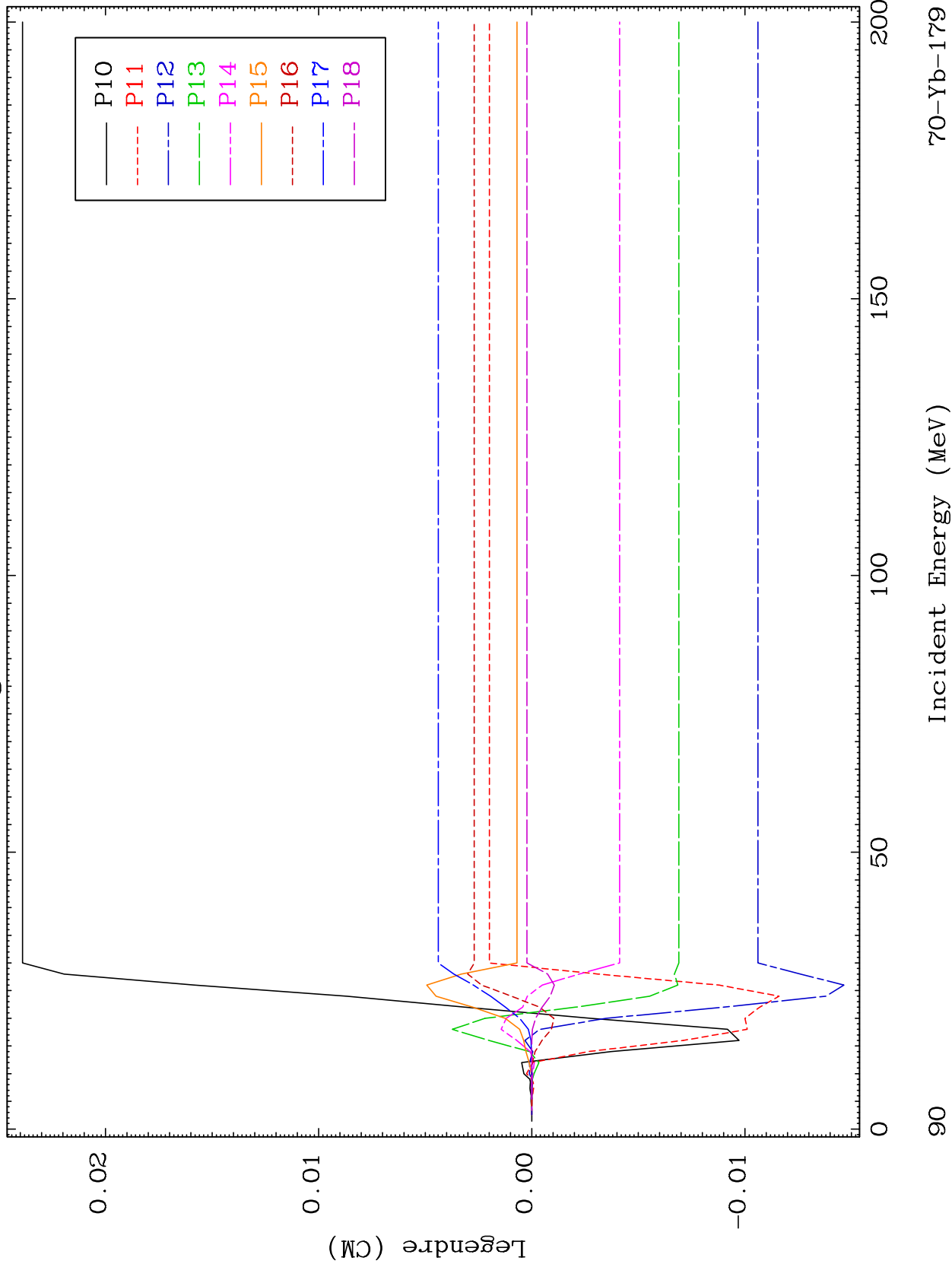
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

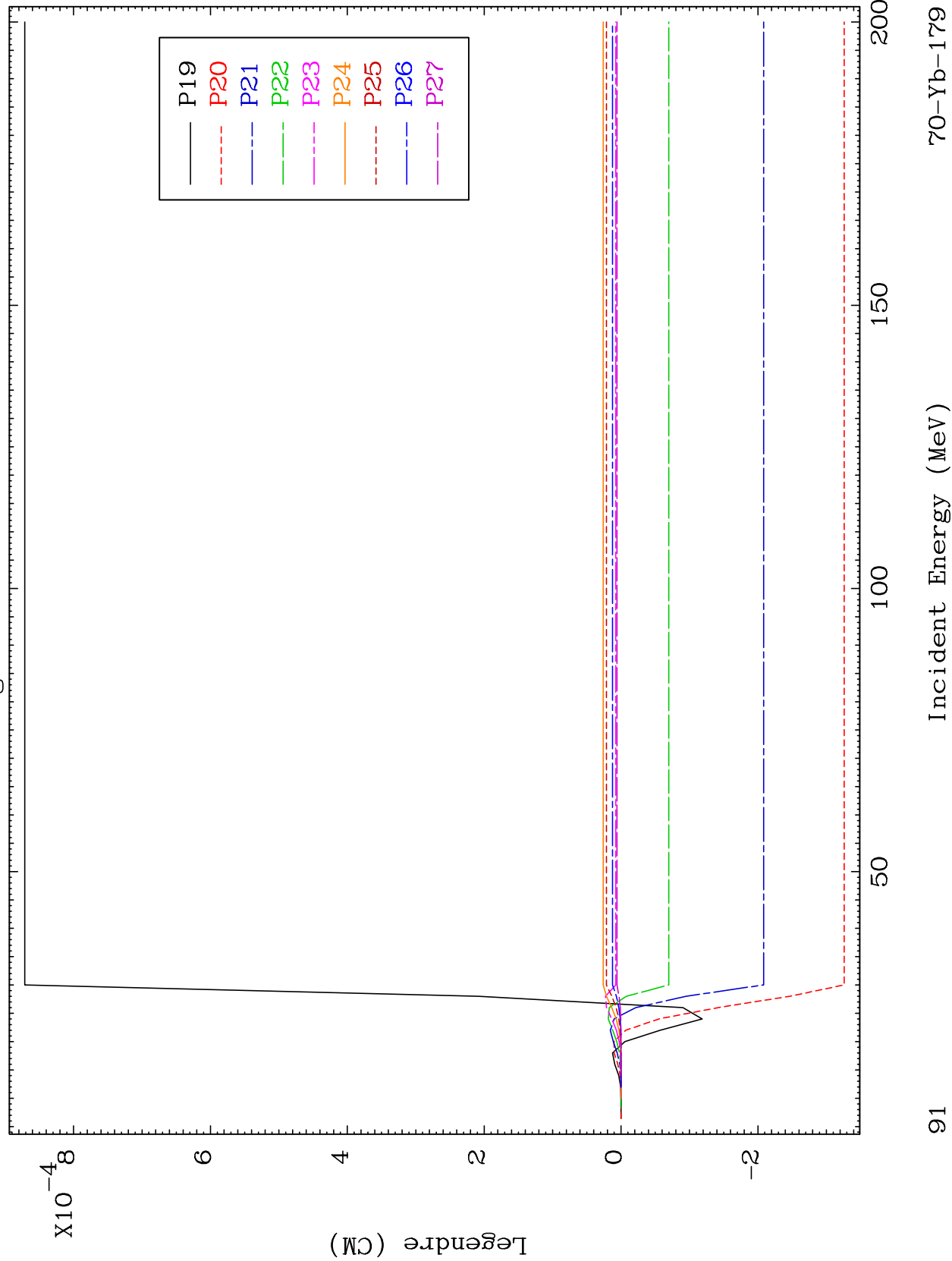
70-Yb-179



MAT 7058

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

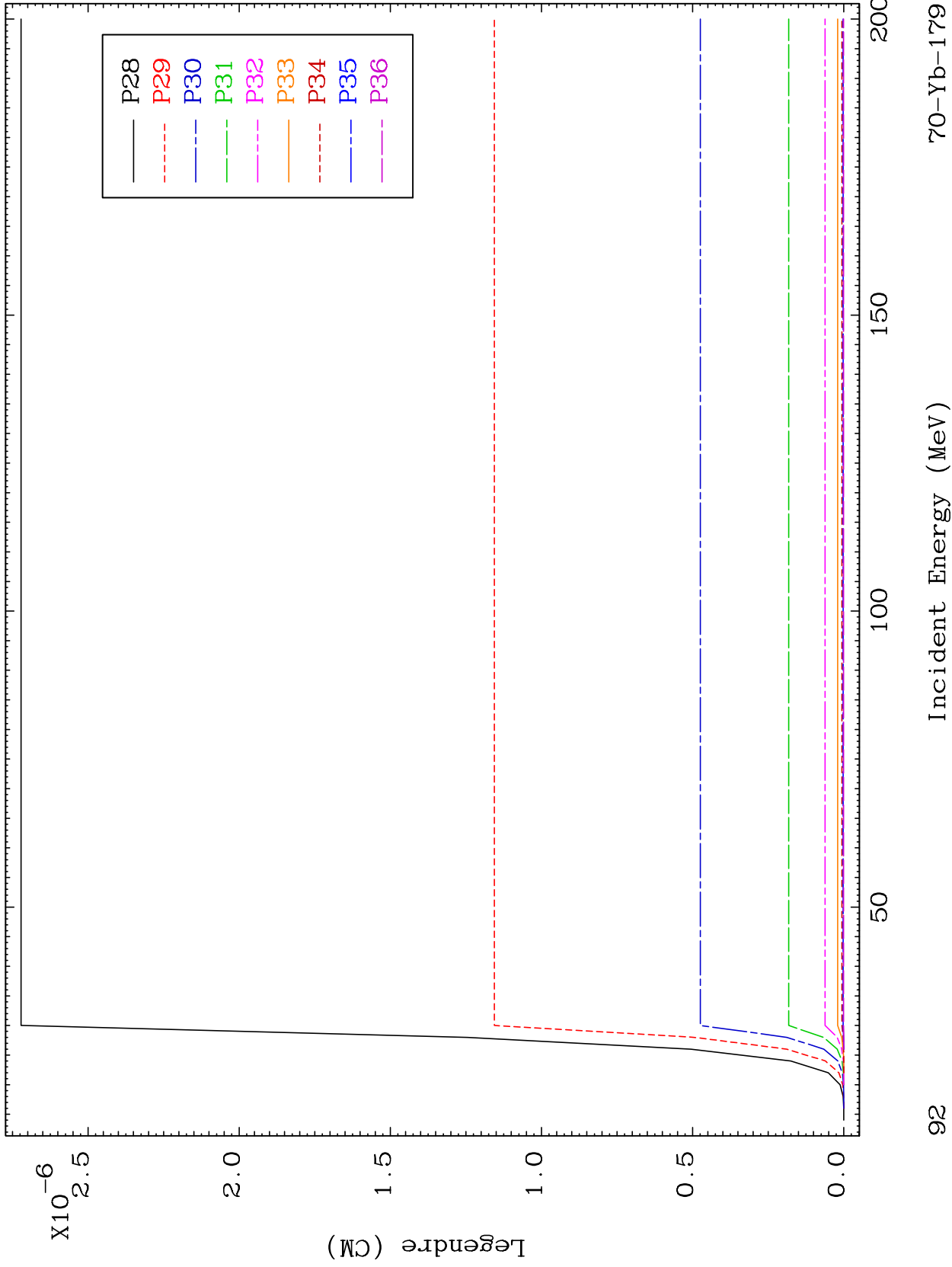
70-Yb-179



MAT 7058

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

70-Yb-179

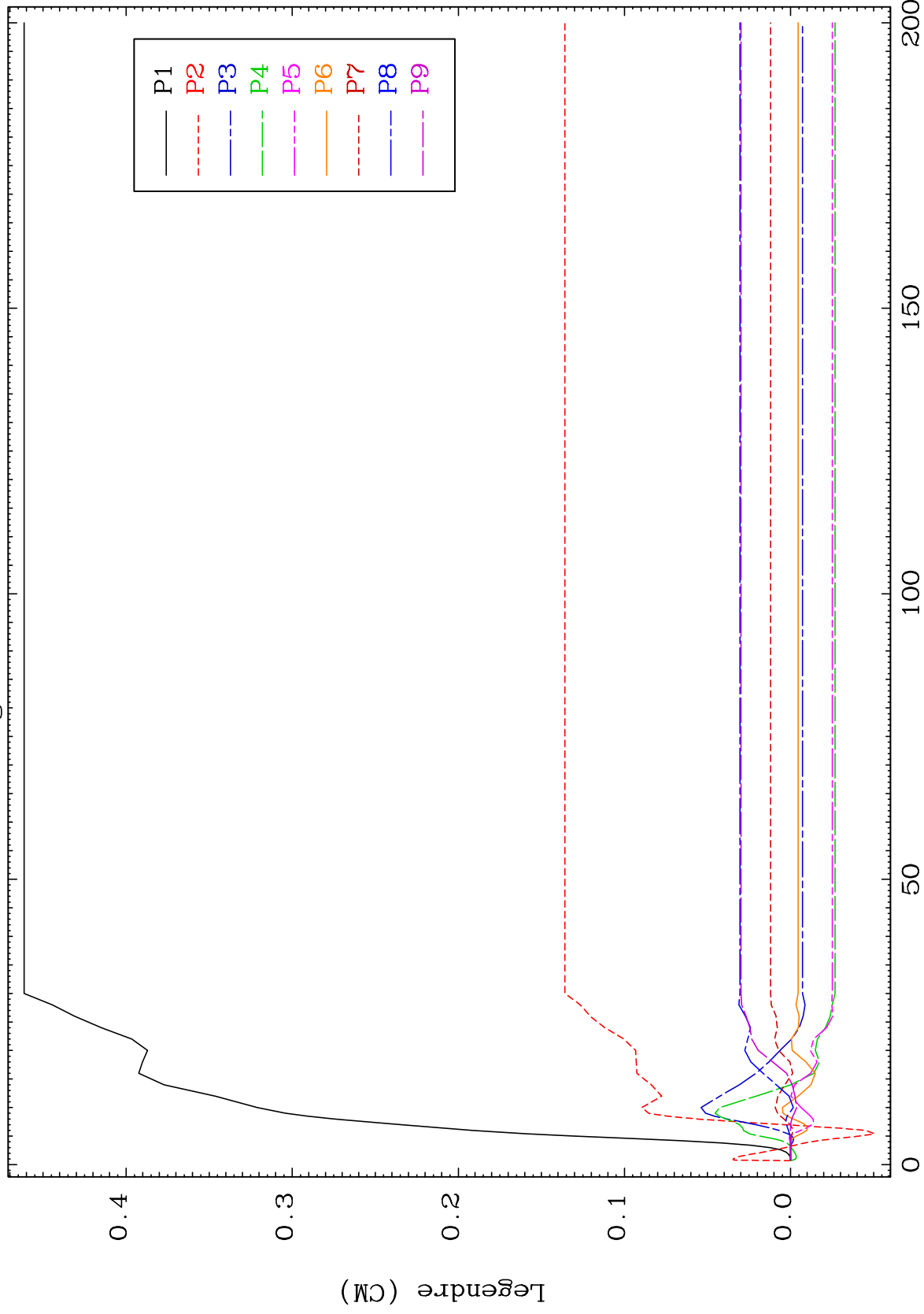


92

MAT 7058

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

70-Yb-179



93

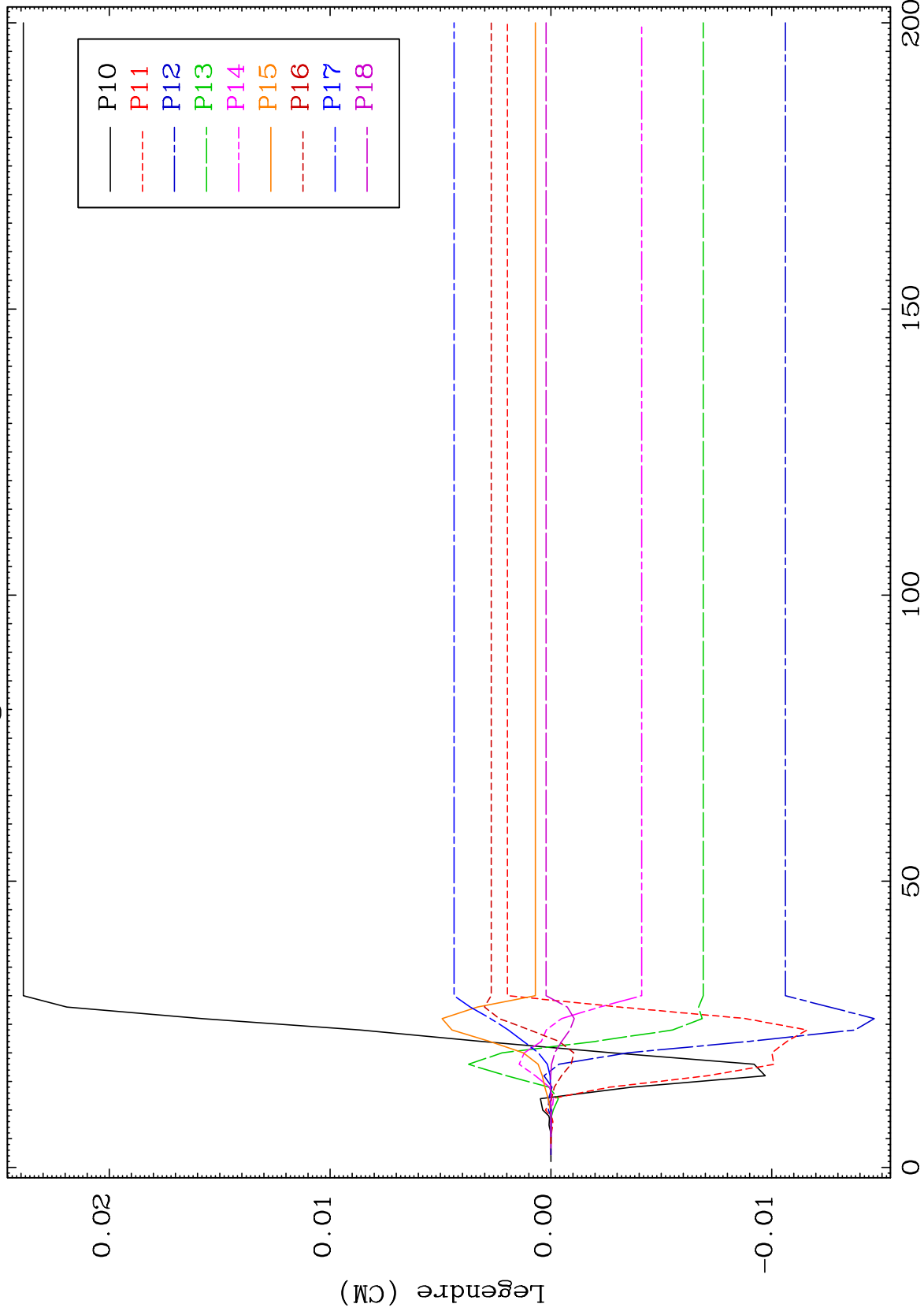
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



94

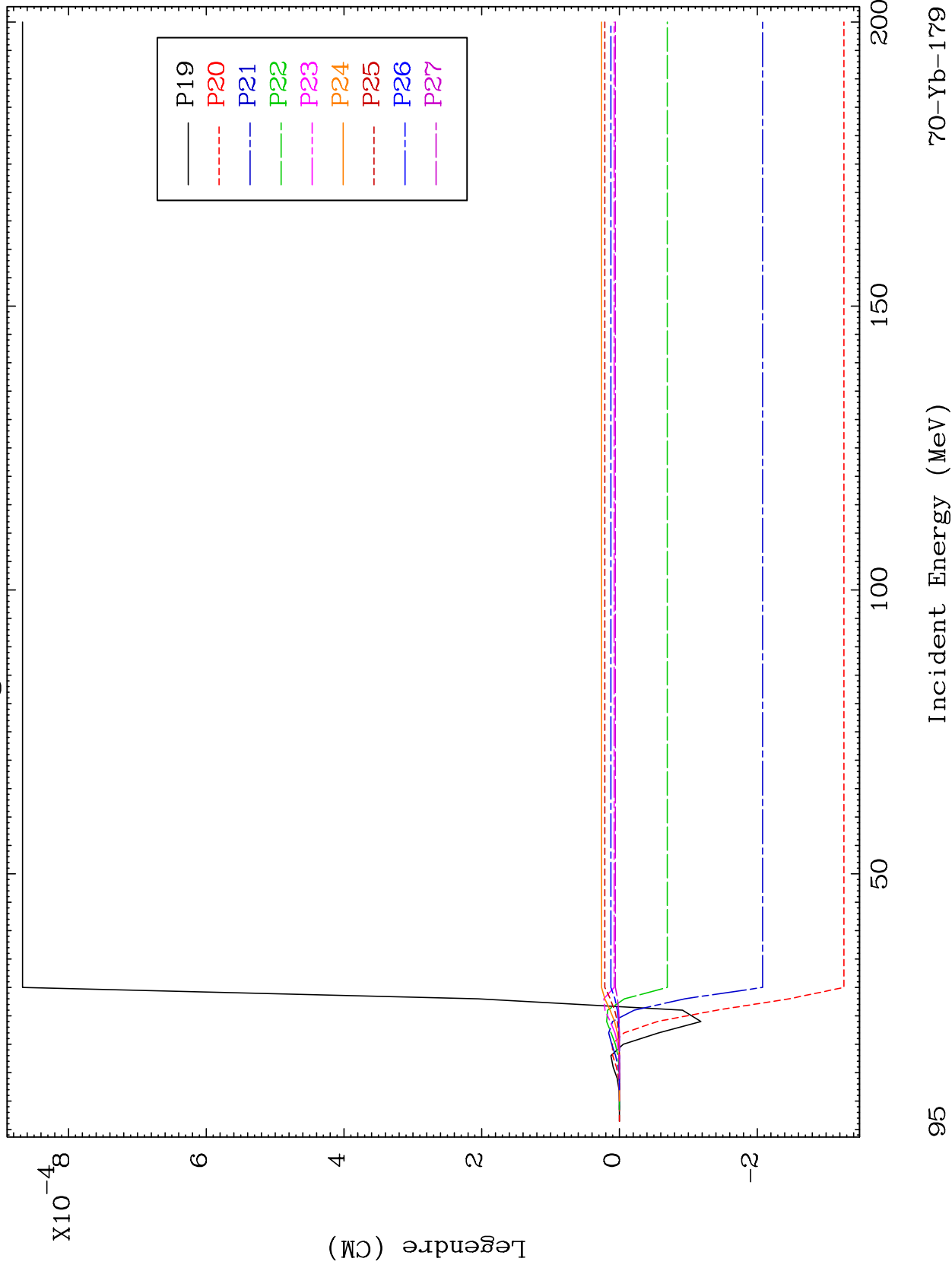
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



95

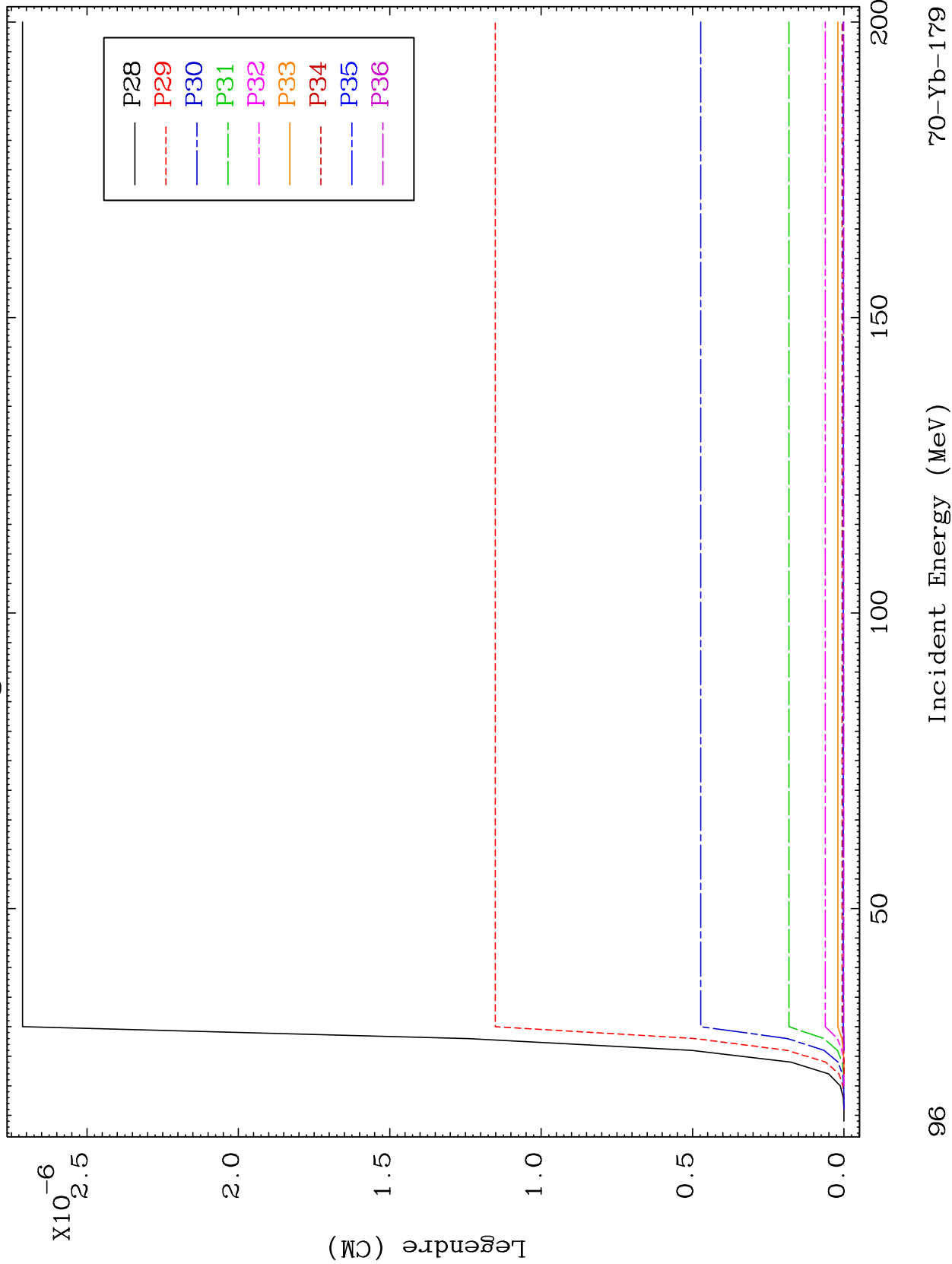
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

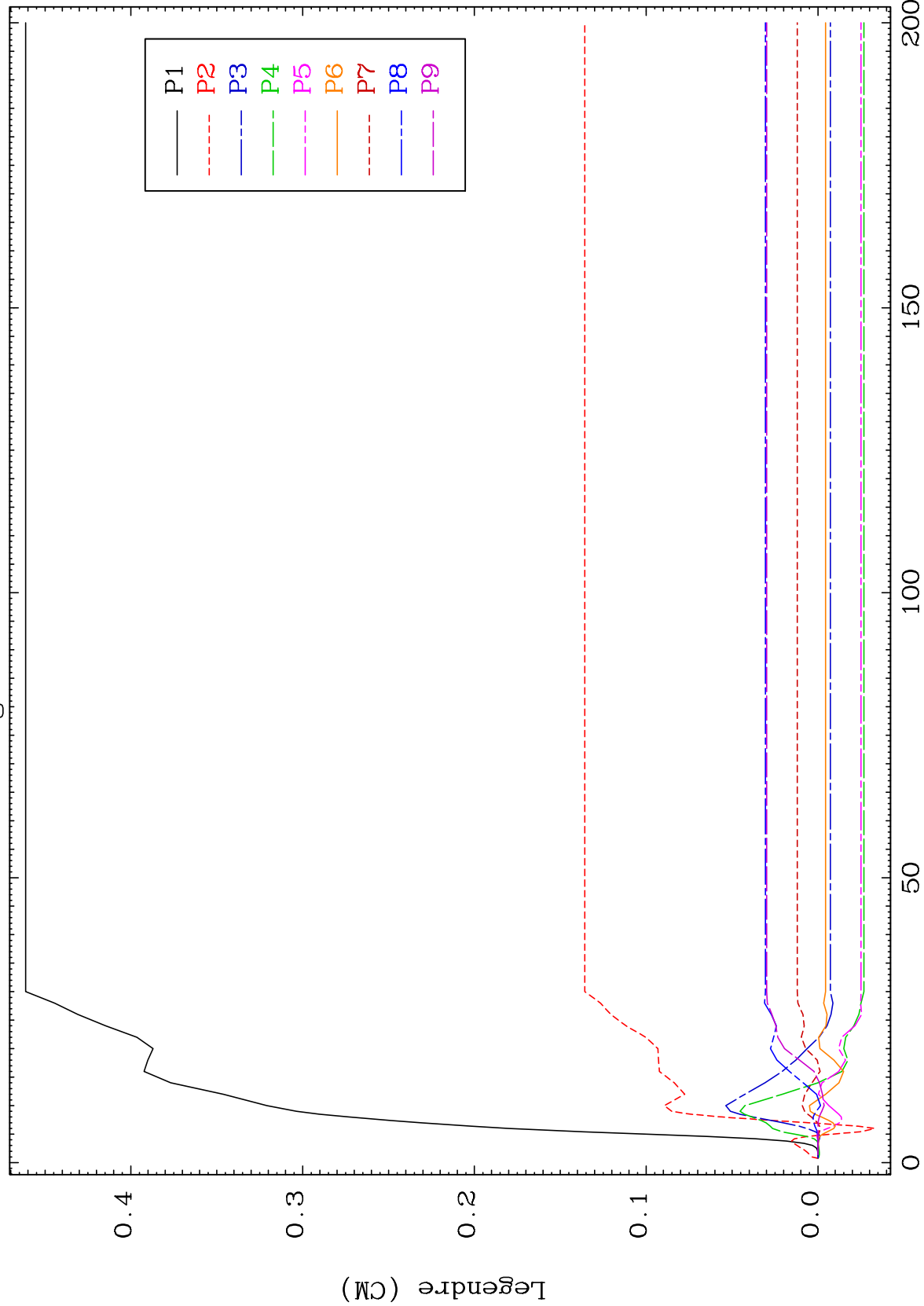
70-Yb-179



MAT 7058

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

70-Yb-179



97

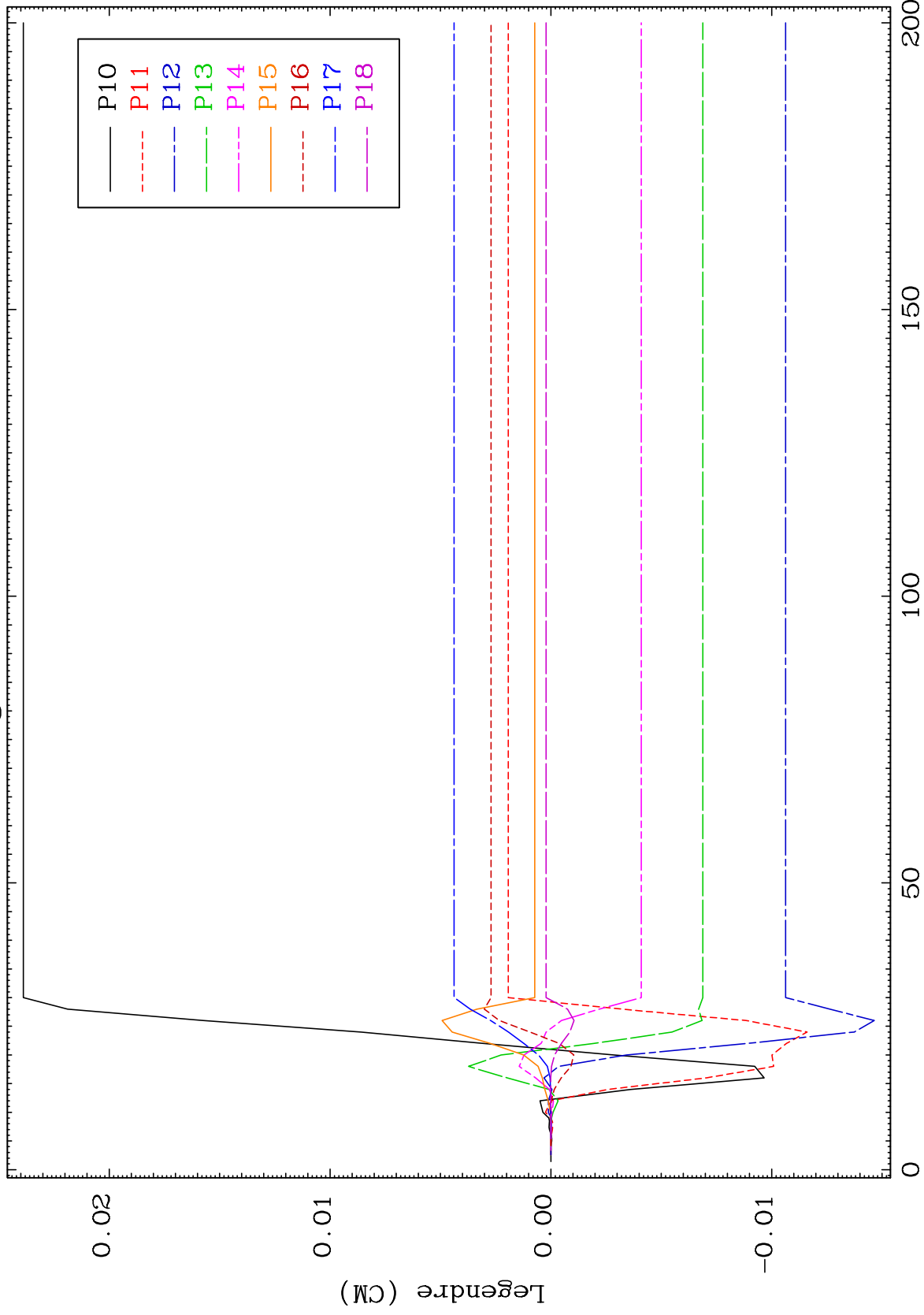
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



98

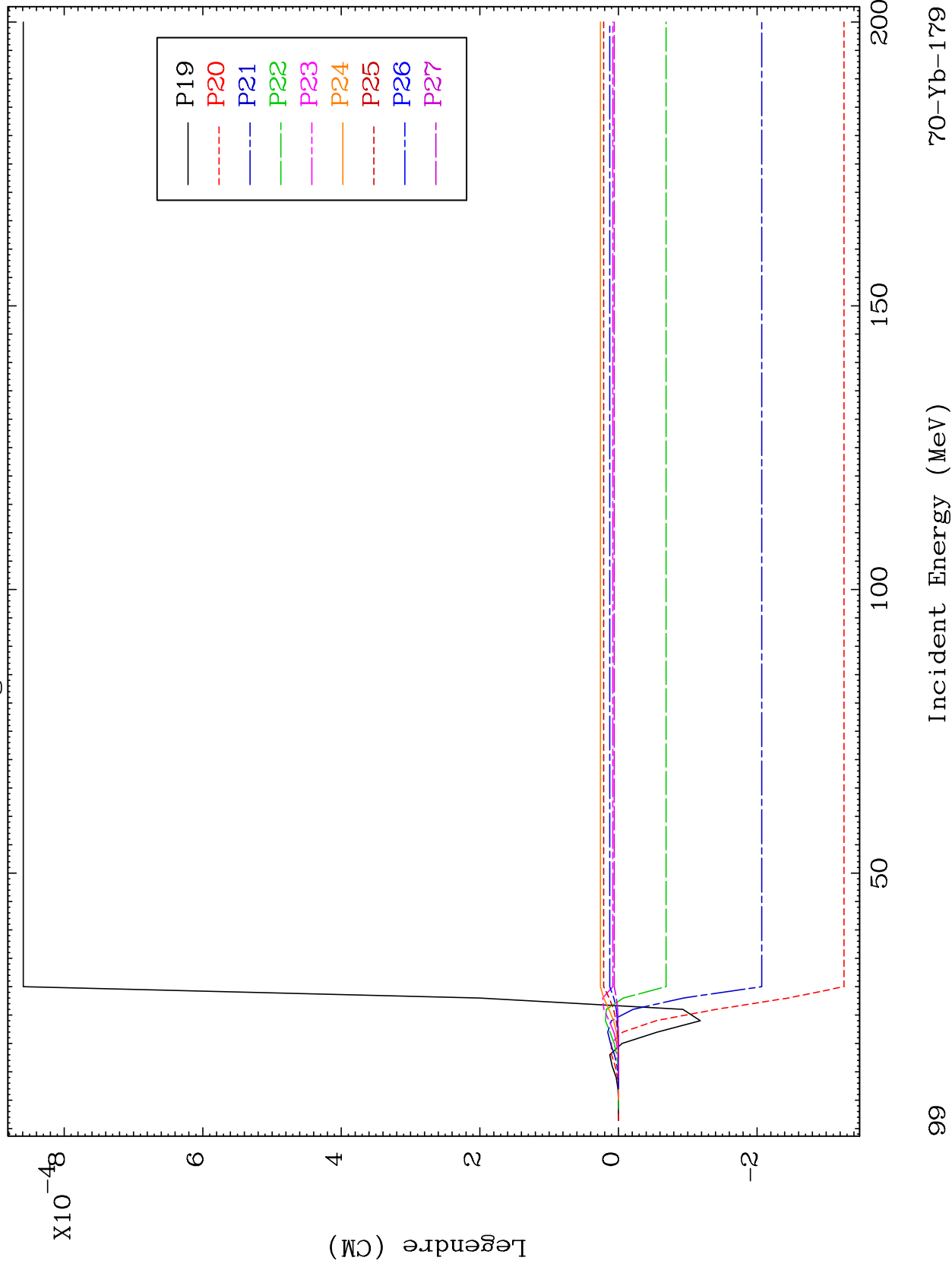
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

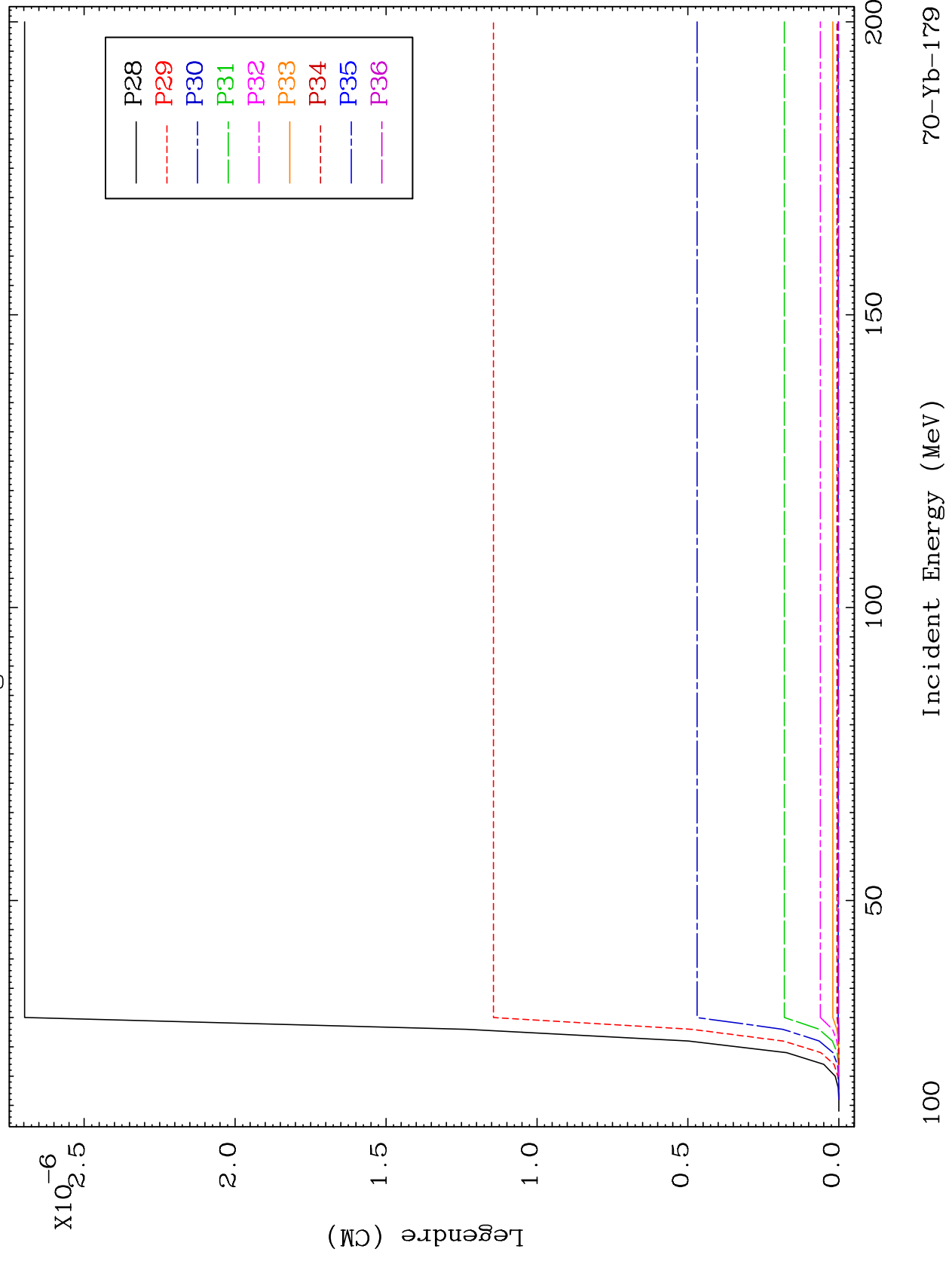
70-Yb-179

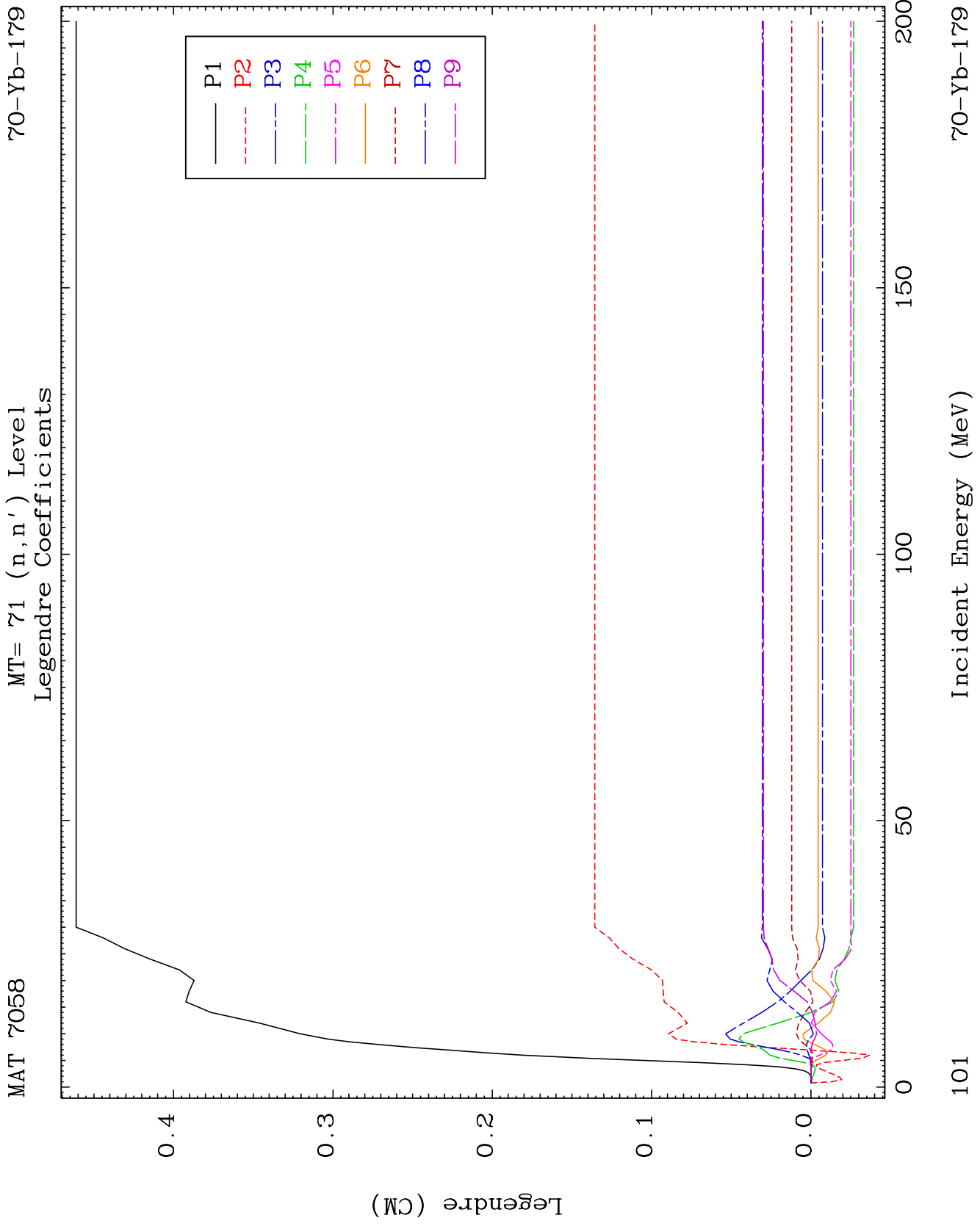


MAT 7058

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

70-Yb-179

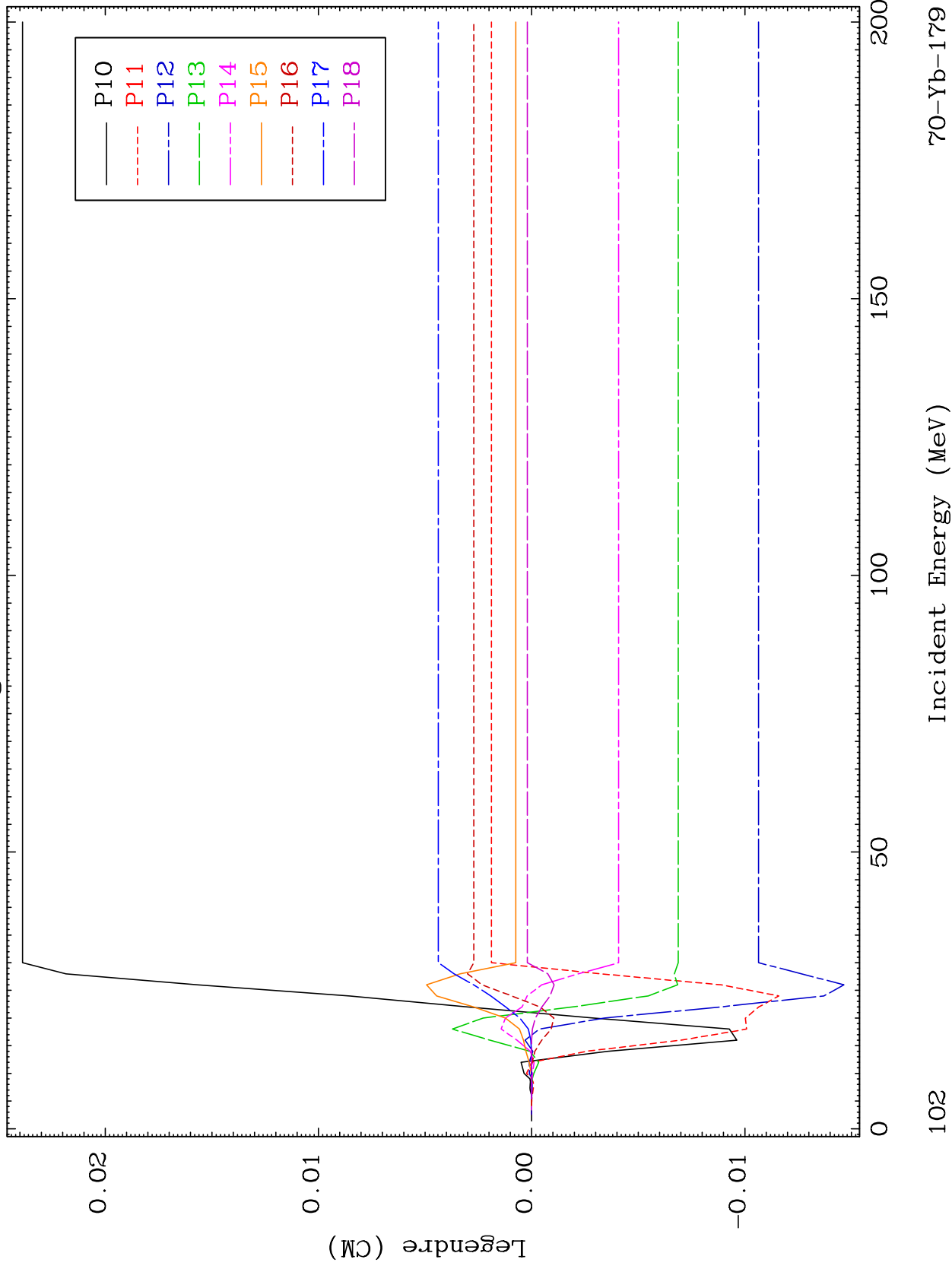




MAT 7058

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

70-Yb-179



70-Yb-179

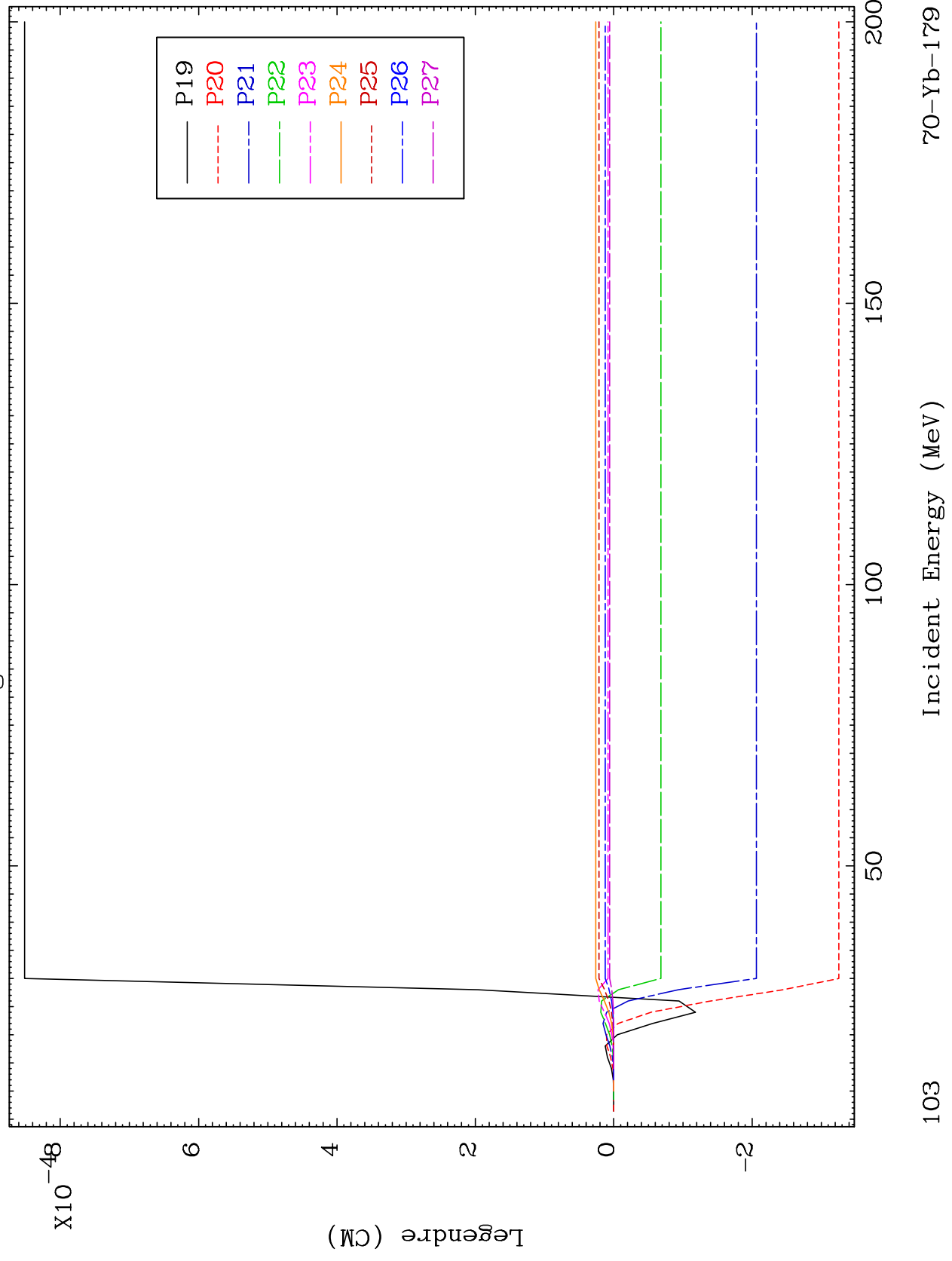
Incident Energy (MeV)

102

MAT 7058

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

70-Yb-179



103

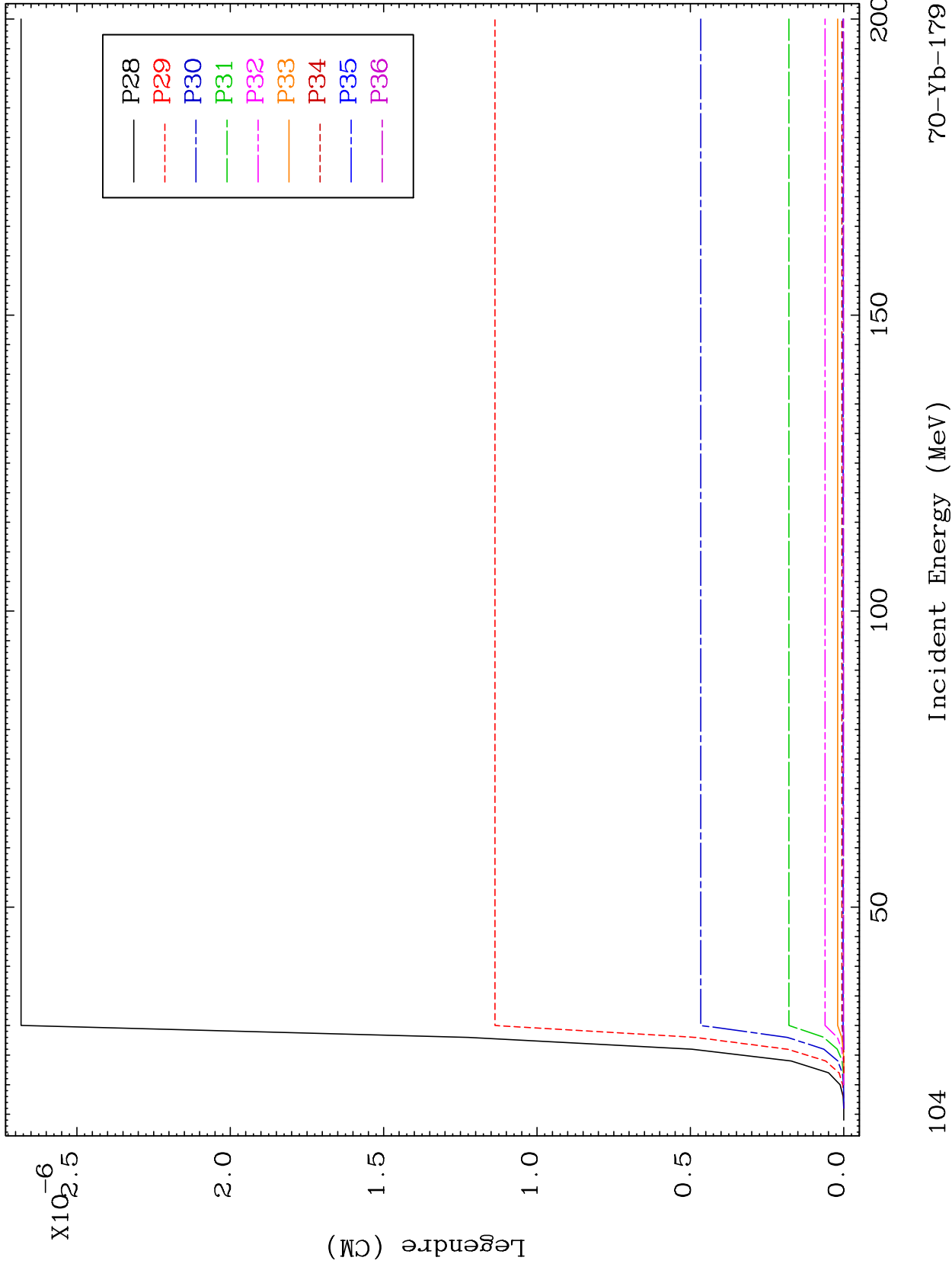
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179

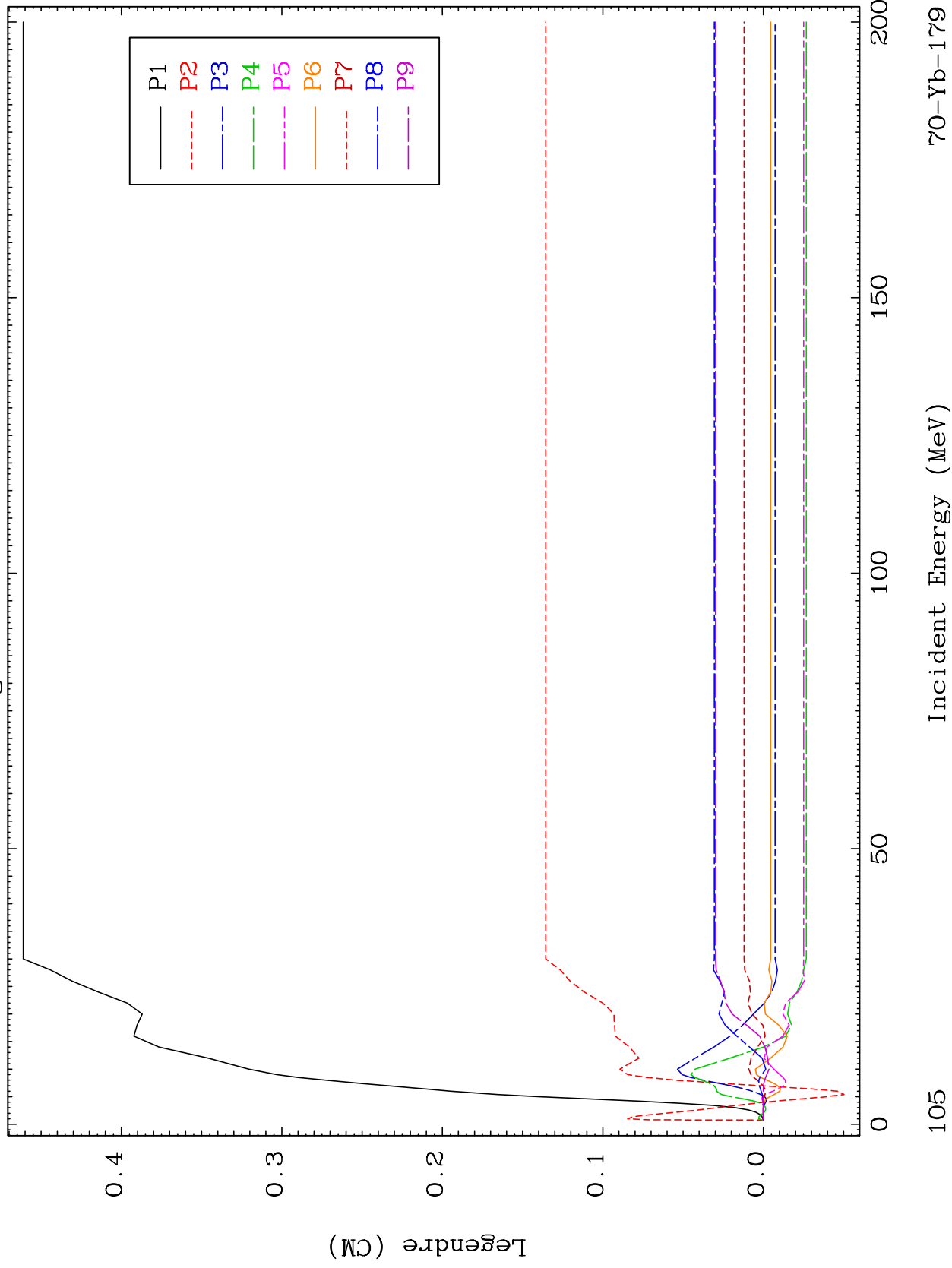


104

MAT 7058

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

70-Yb-179

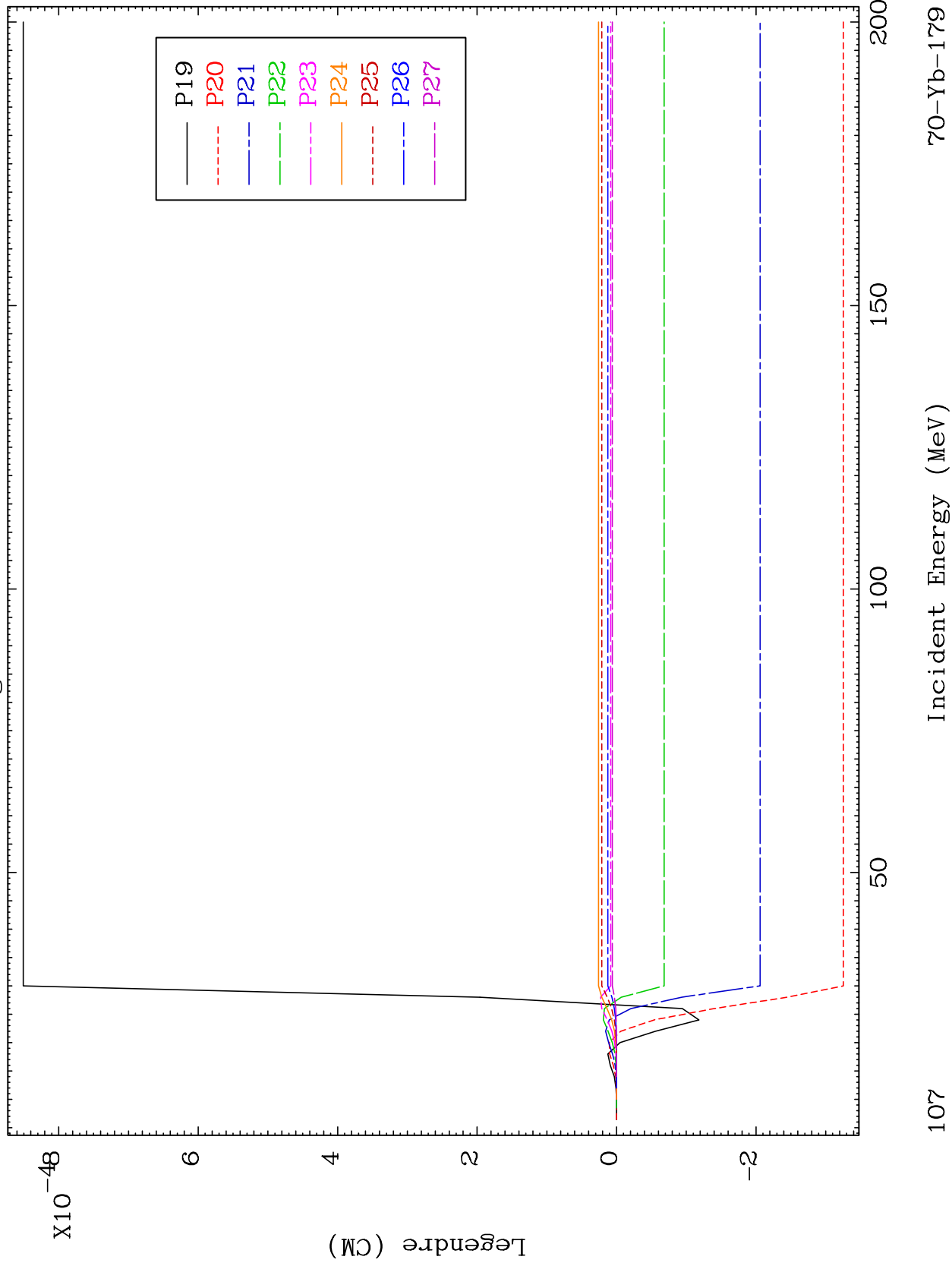




MAT 7058

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

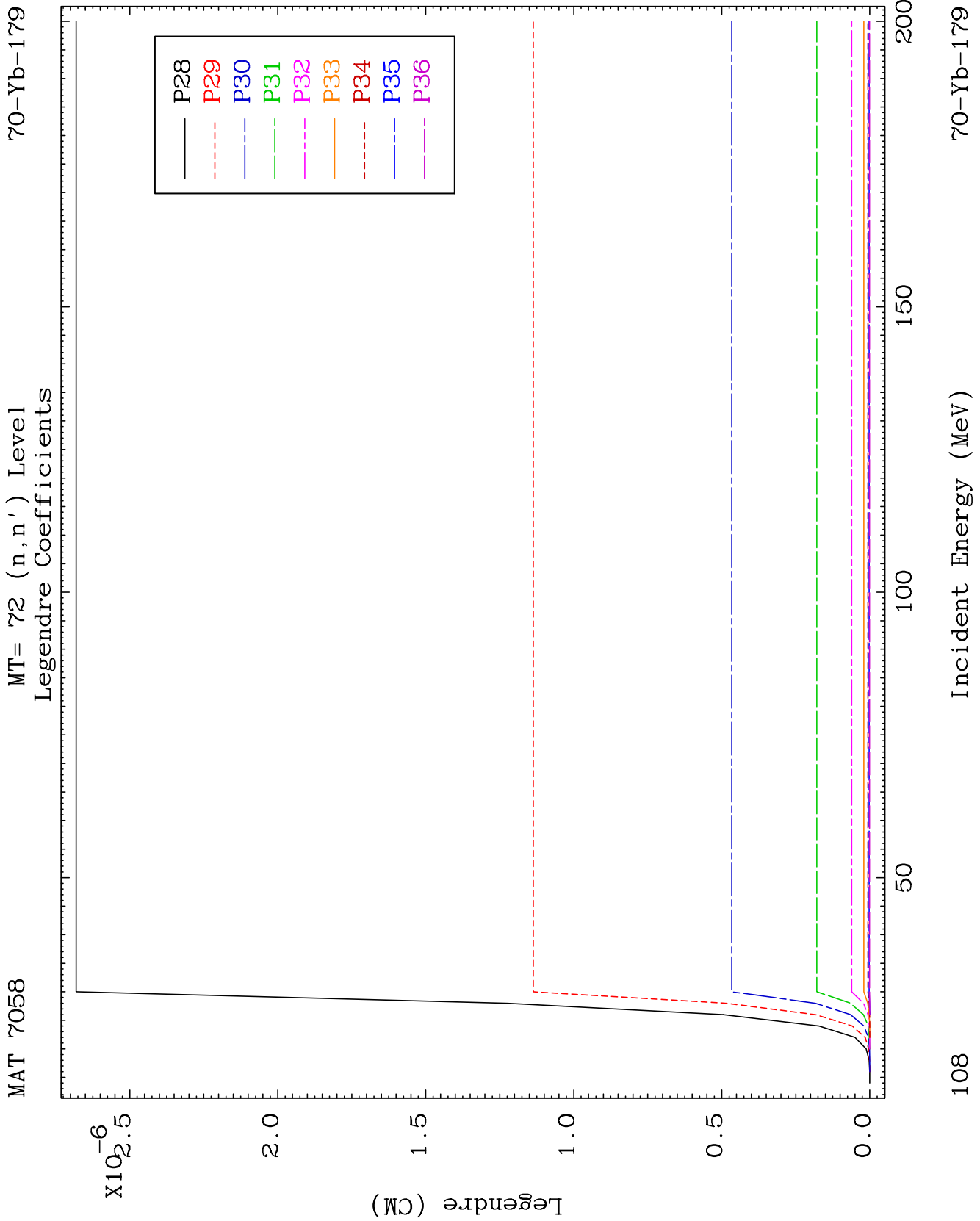
70-Yb-179

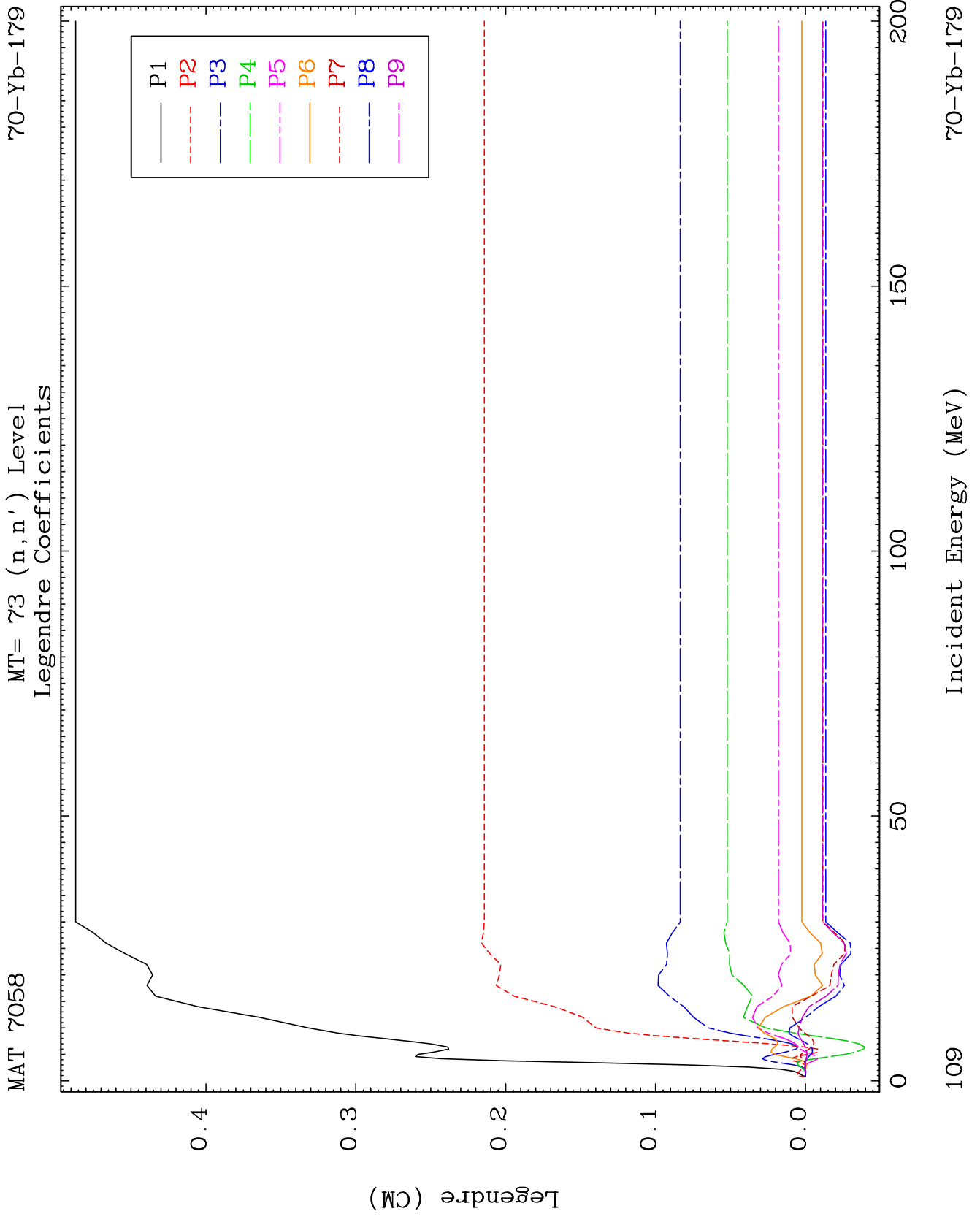


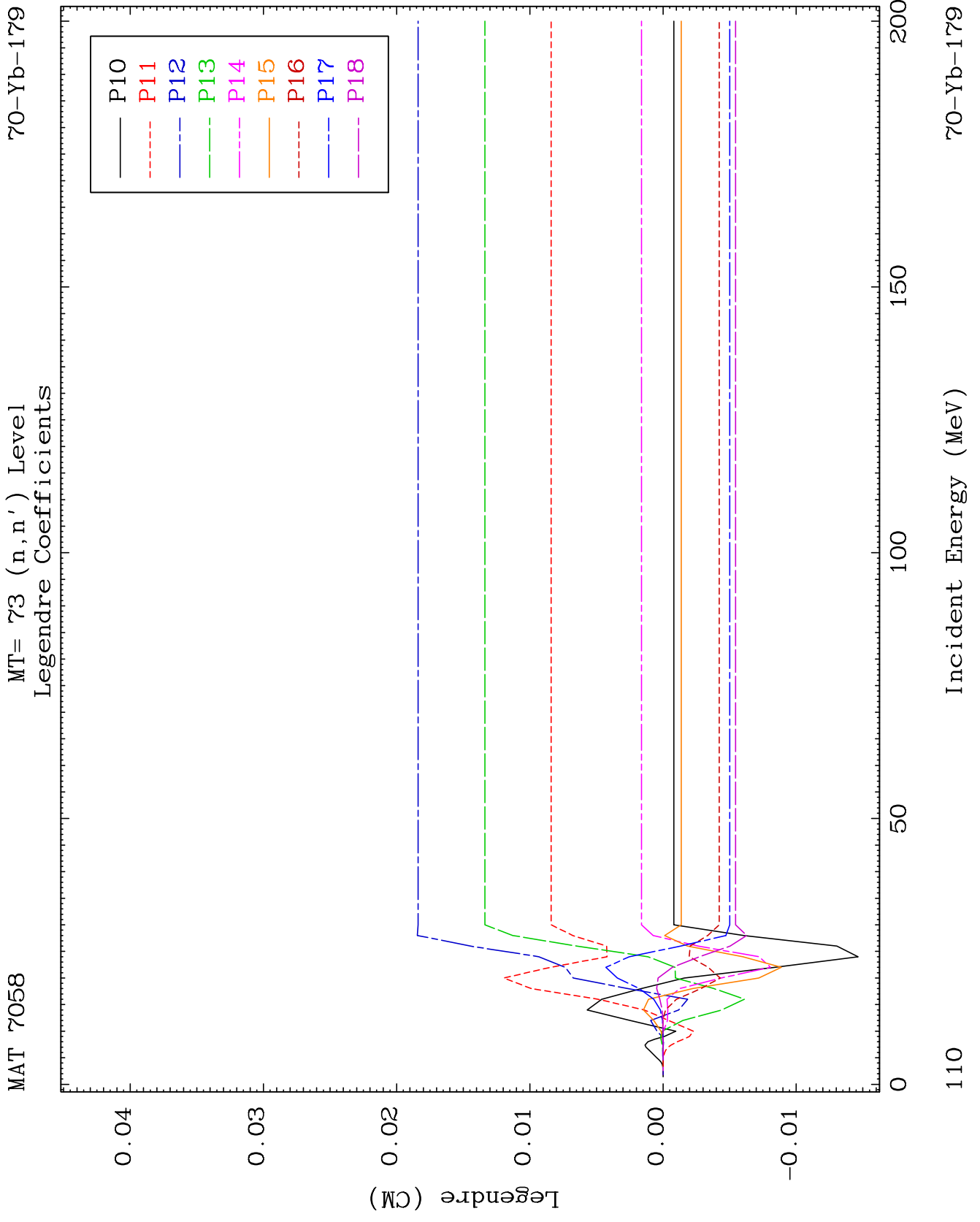
107

Incident Energy (MeV)

70-Yb-179



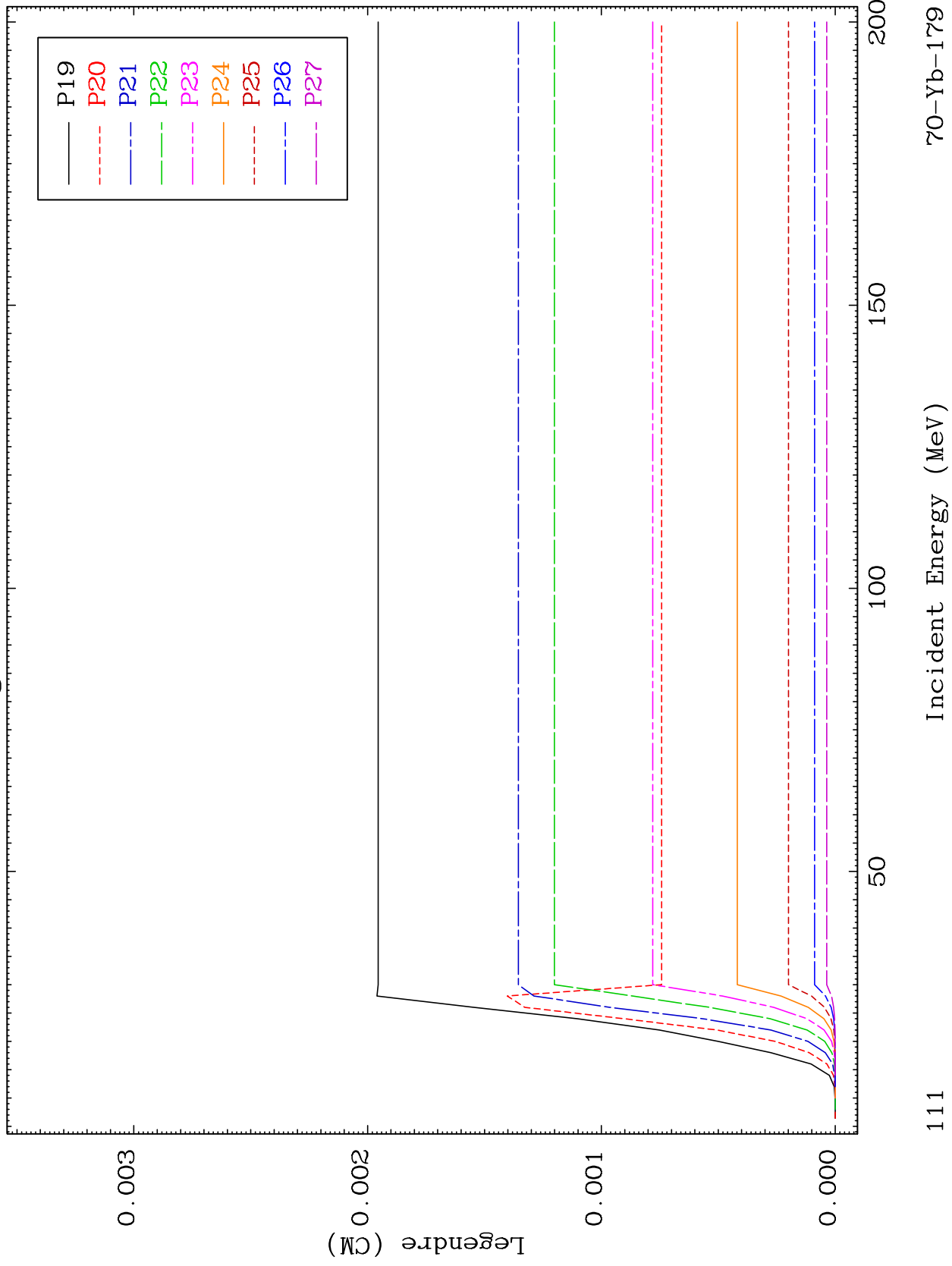




MAT 7058

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

70-Yb-179



111

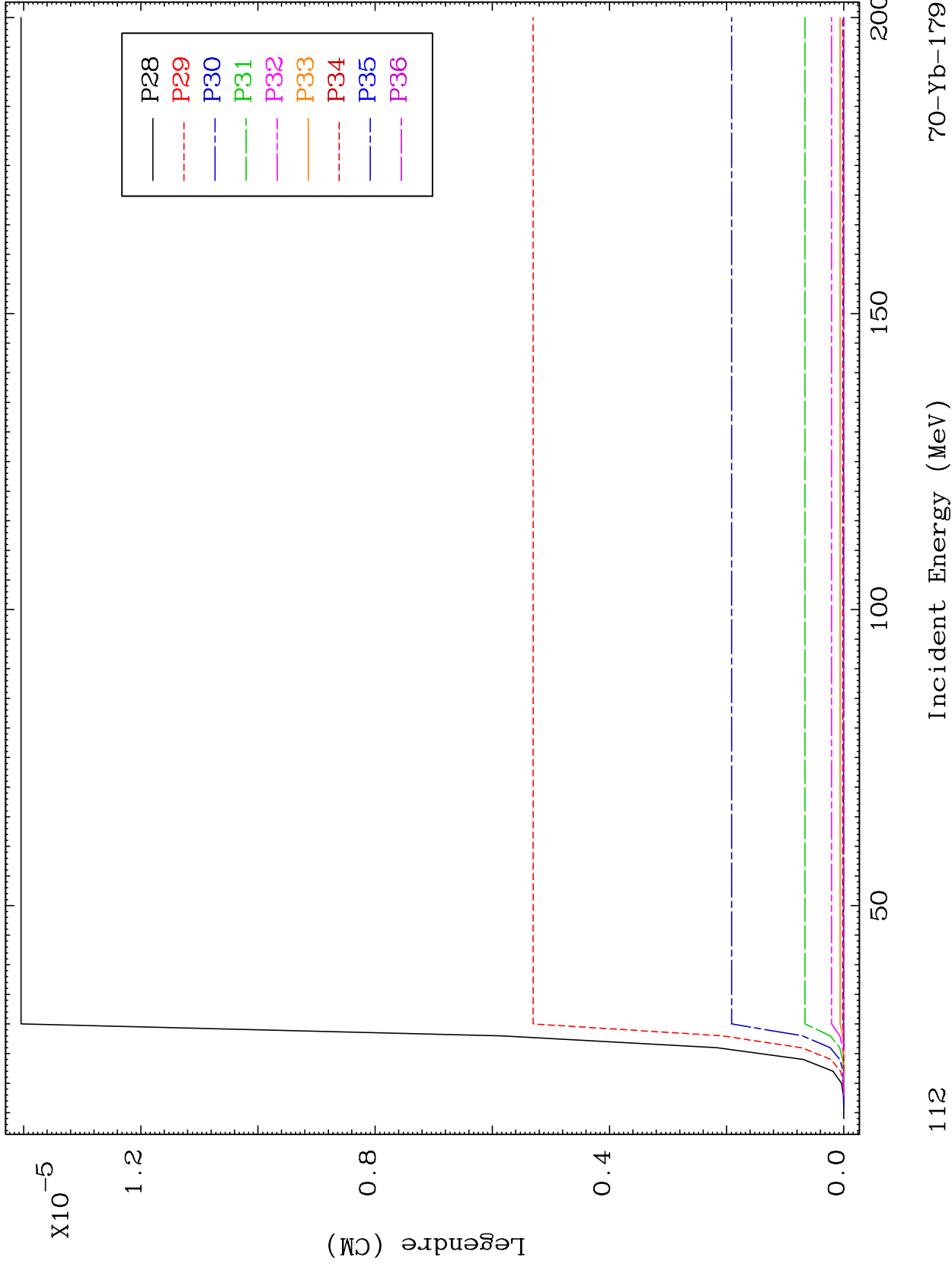
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179

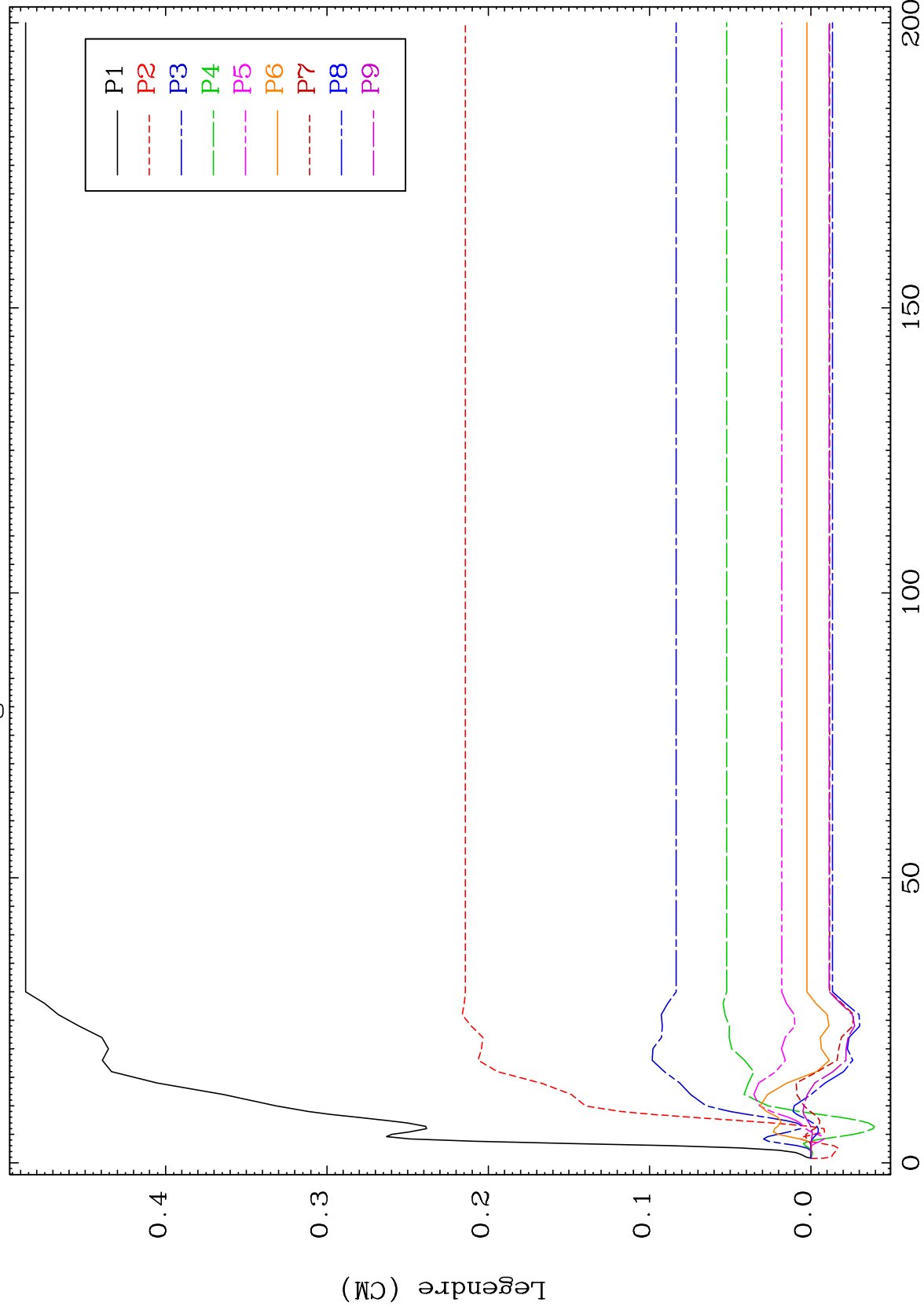


112

MAT 7058

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

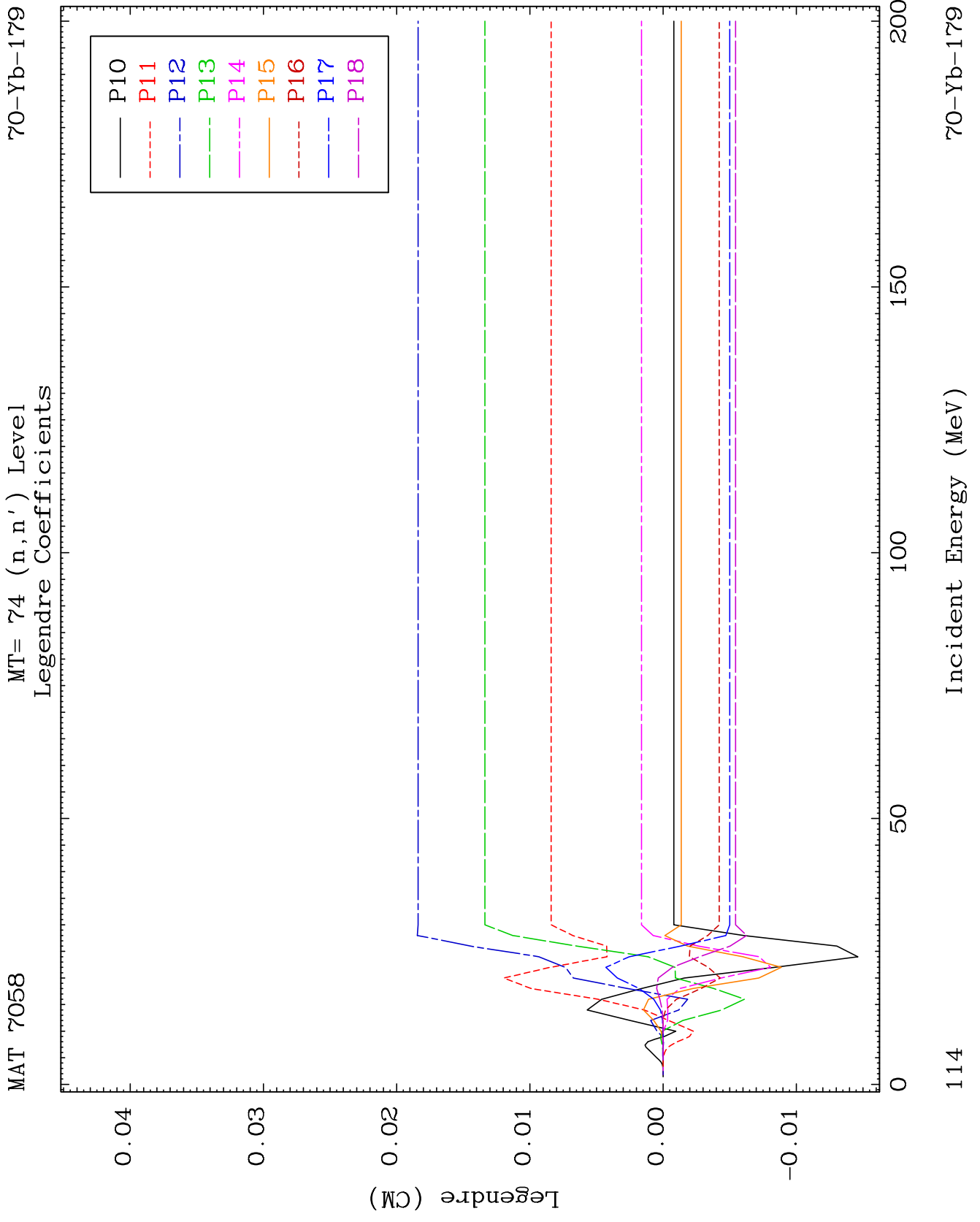
70-Yb-179



70-Yb-179

Incident Energy (MeV)

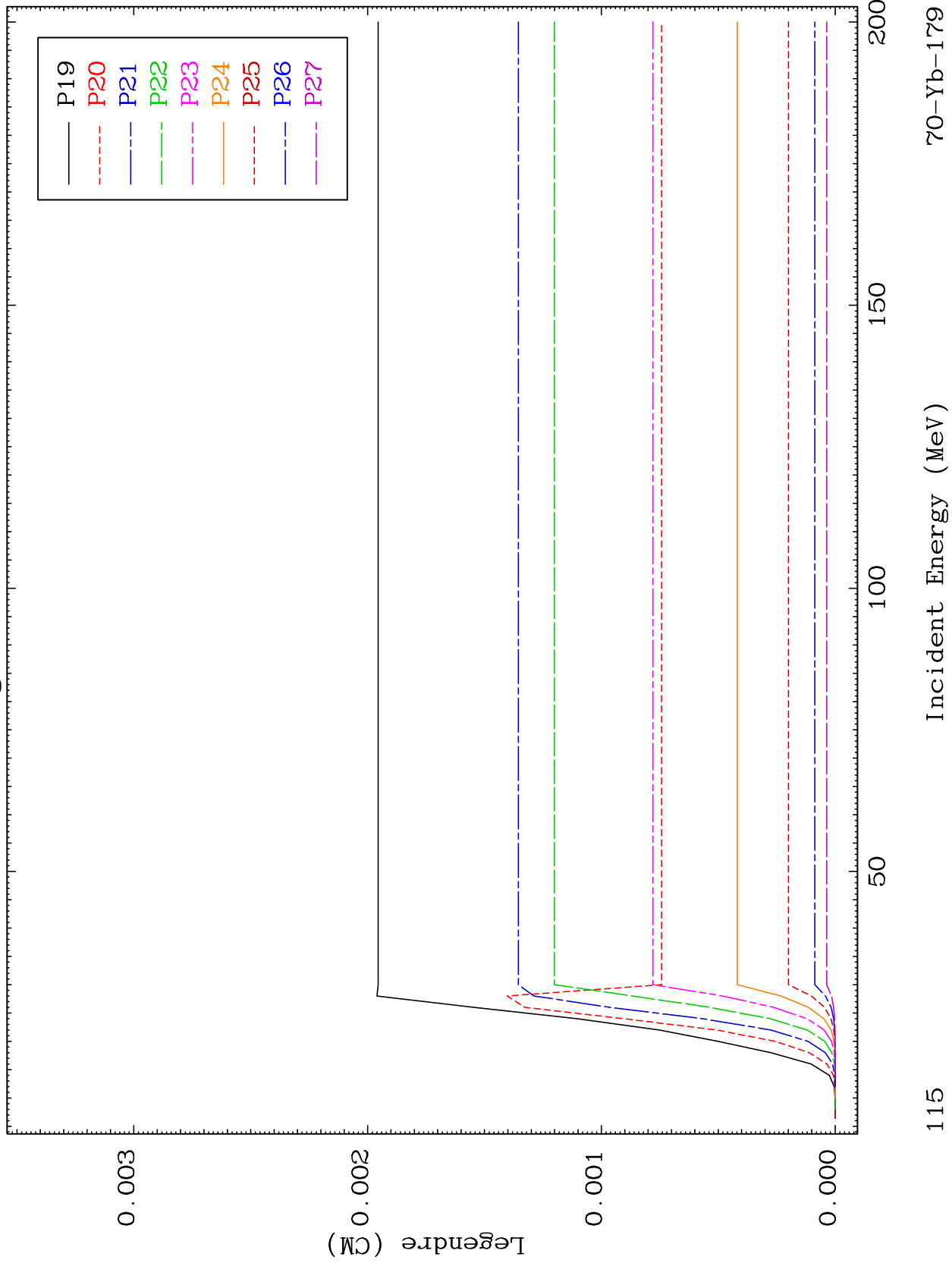
113



MAT 7058

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

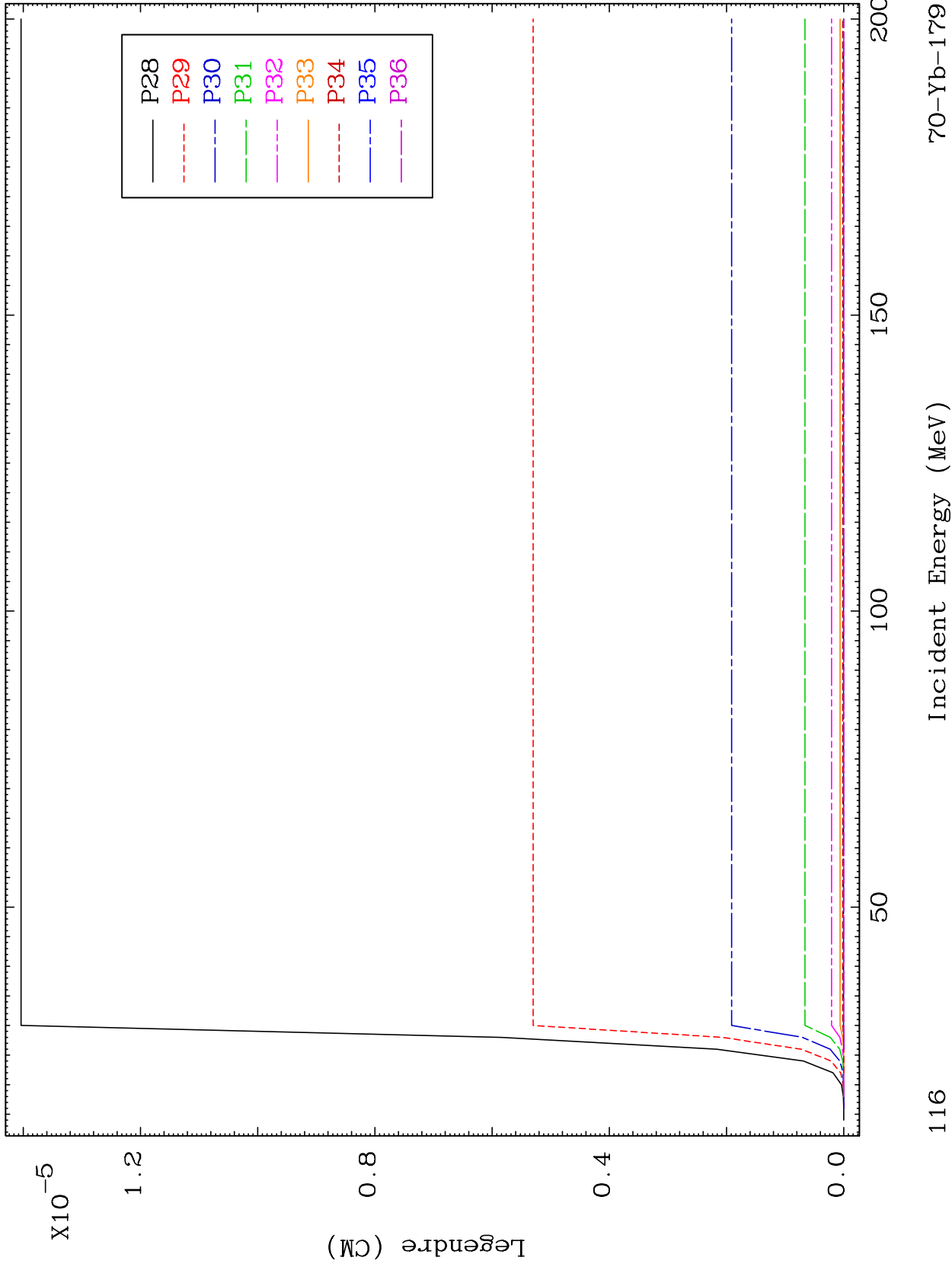
70-Yb-179



MAT 7058

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

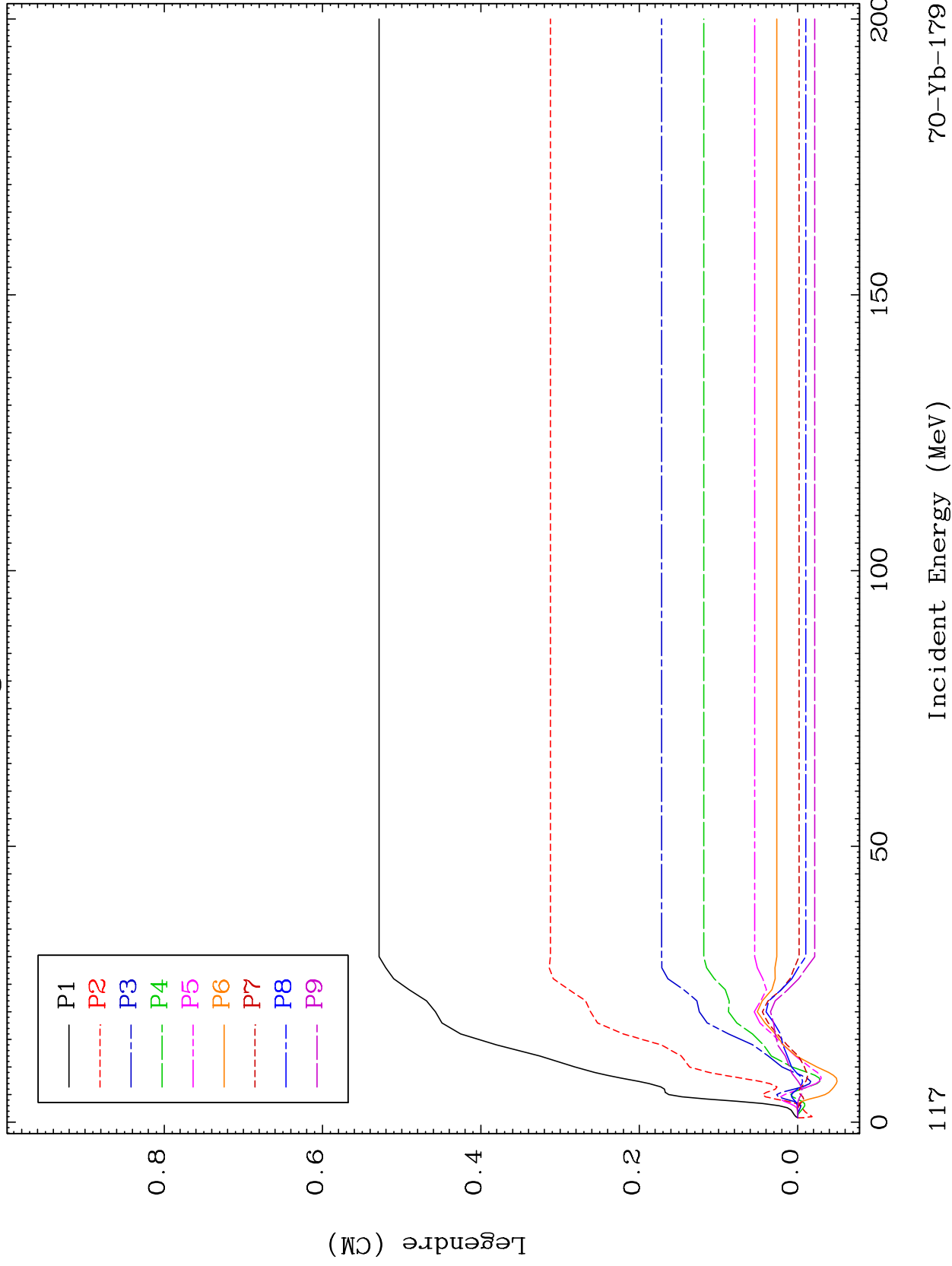
70-Yb-179



MAT 7058

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

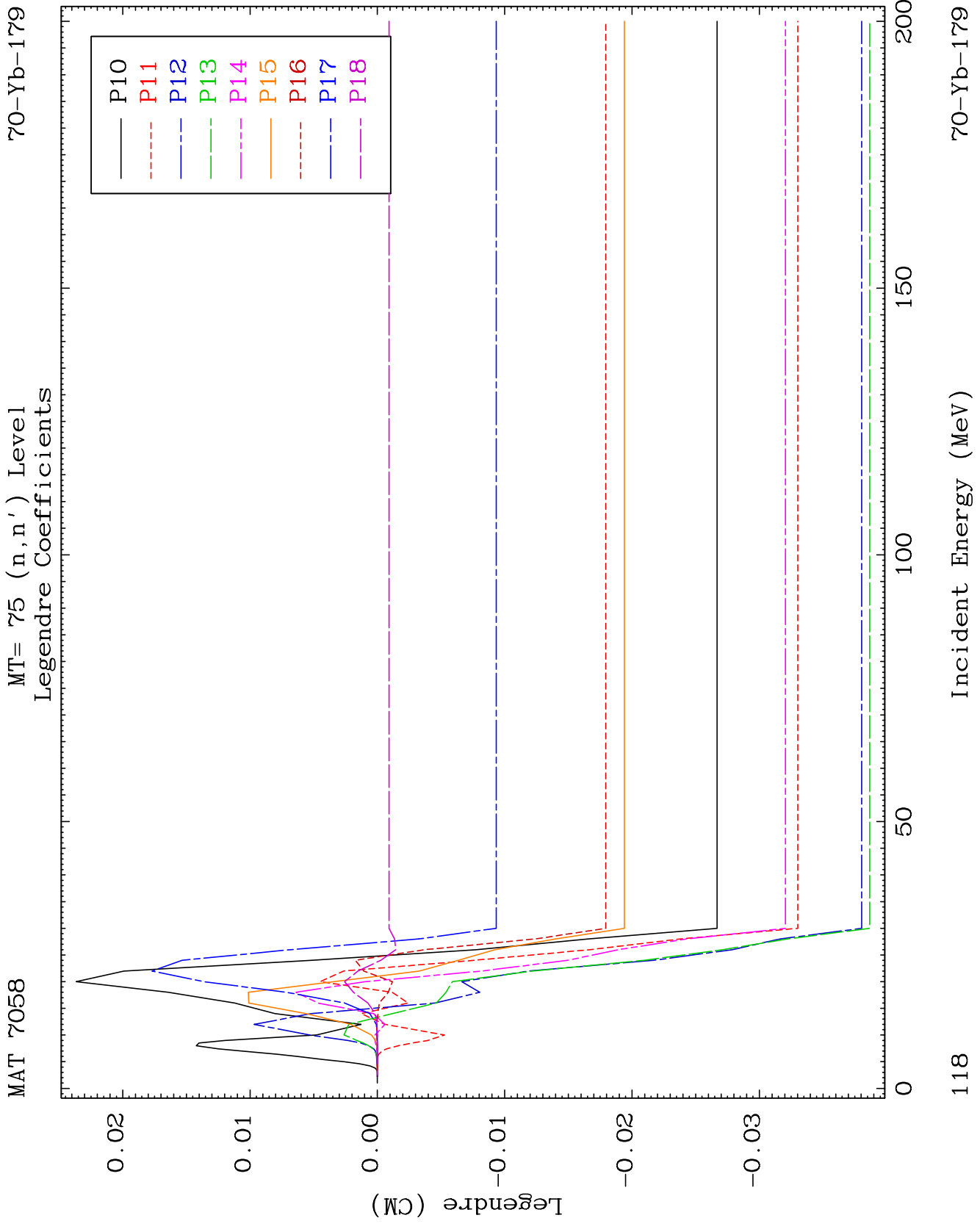
70-Yb-179

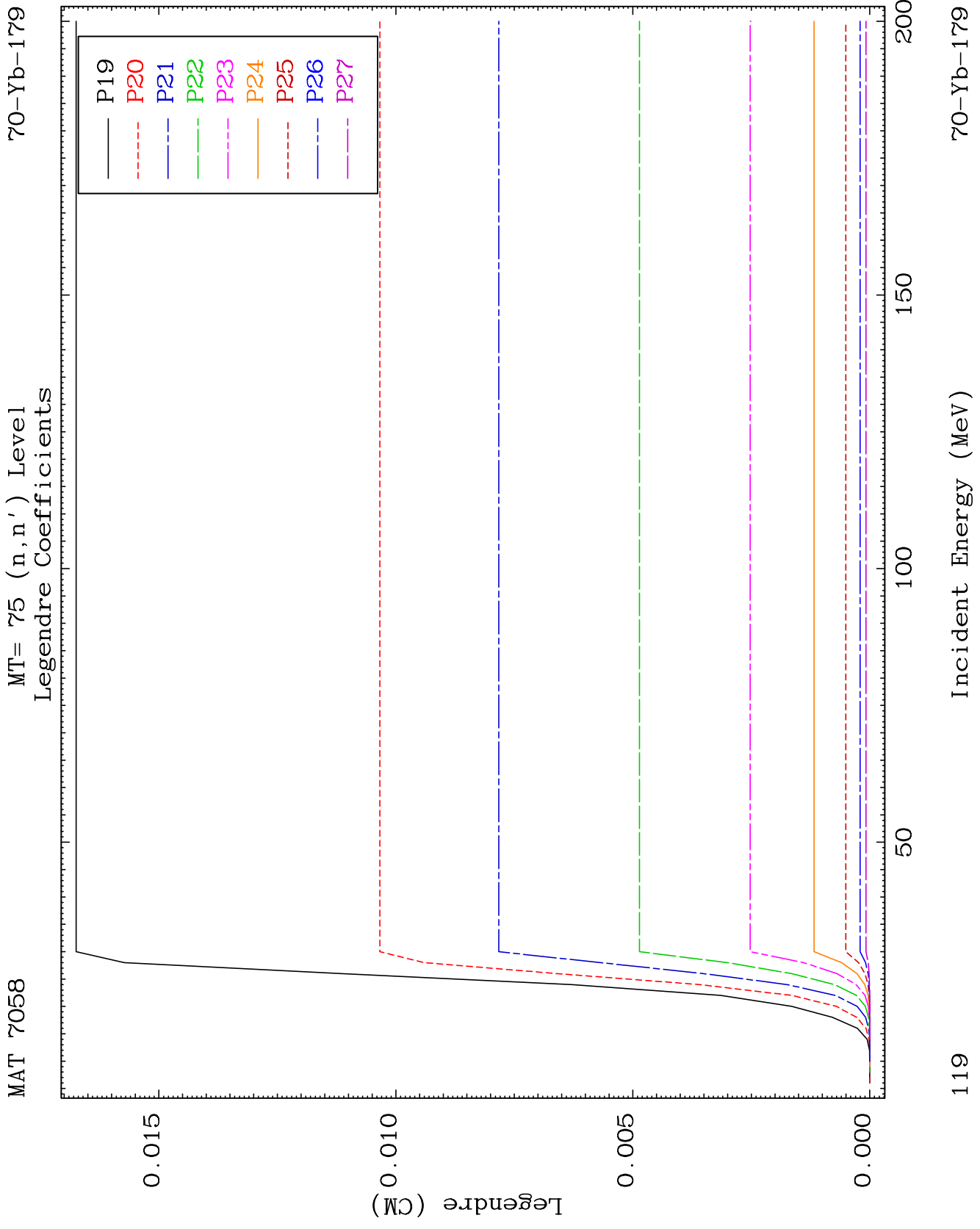


117

Incident Energy (MeV)

70-Yb-179

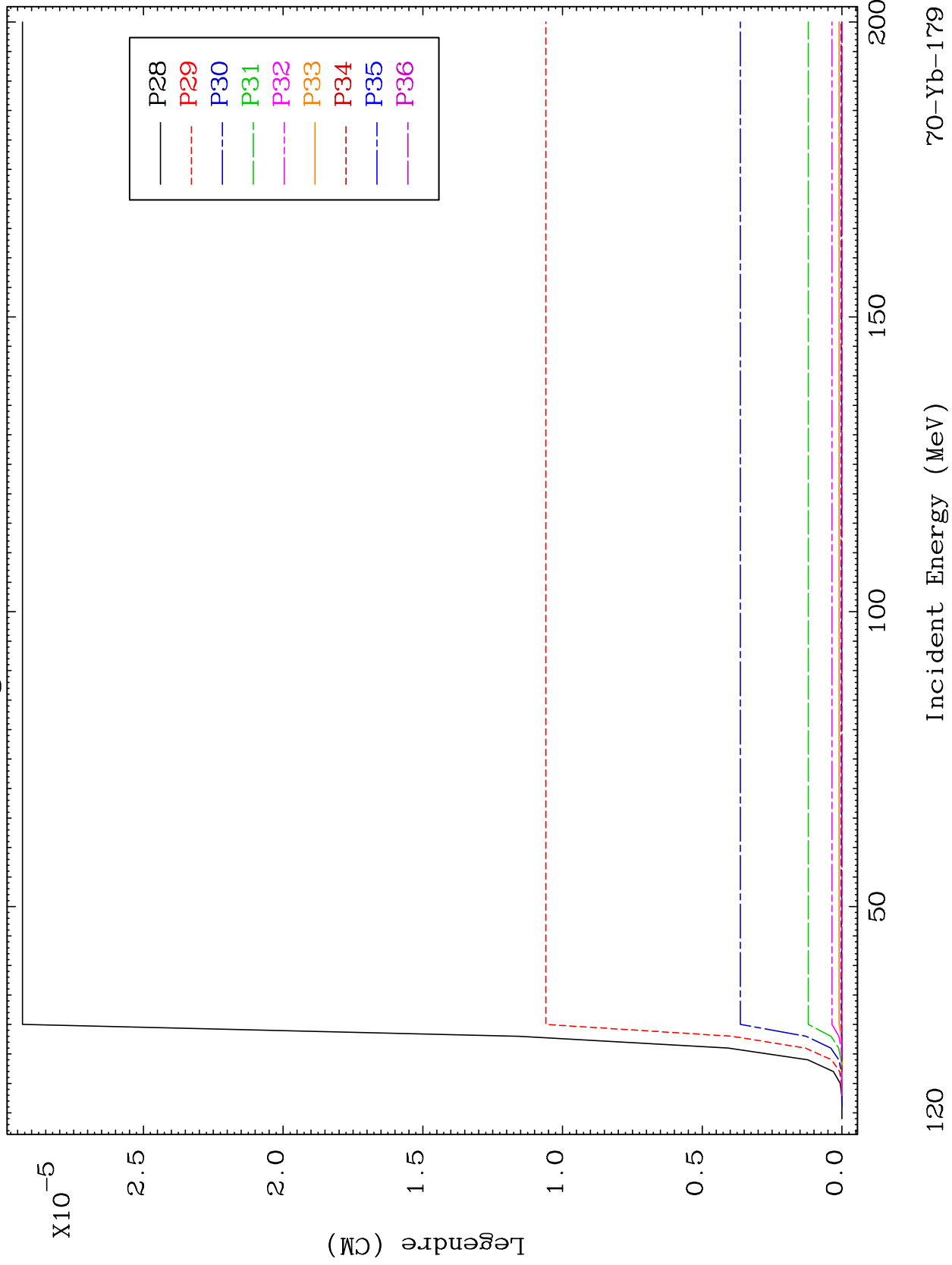




MAT 7058

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

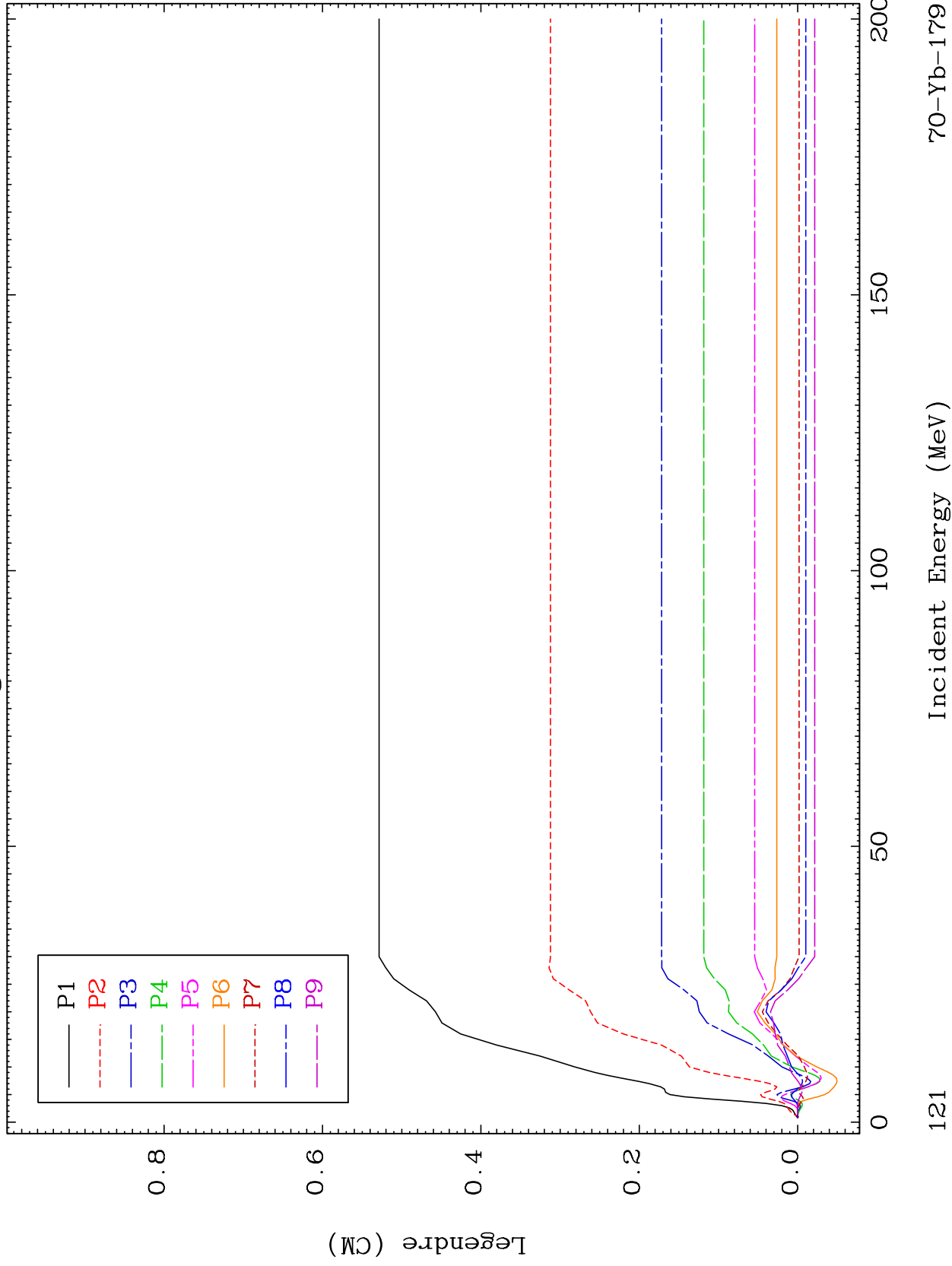
70-Yb-179



MAT 7058

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

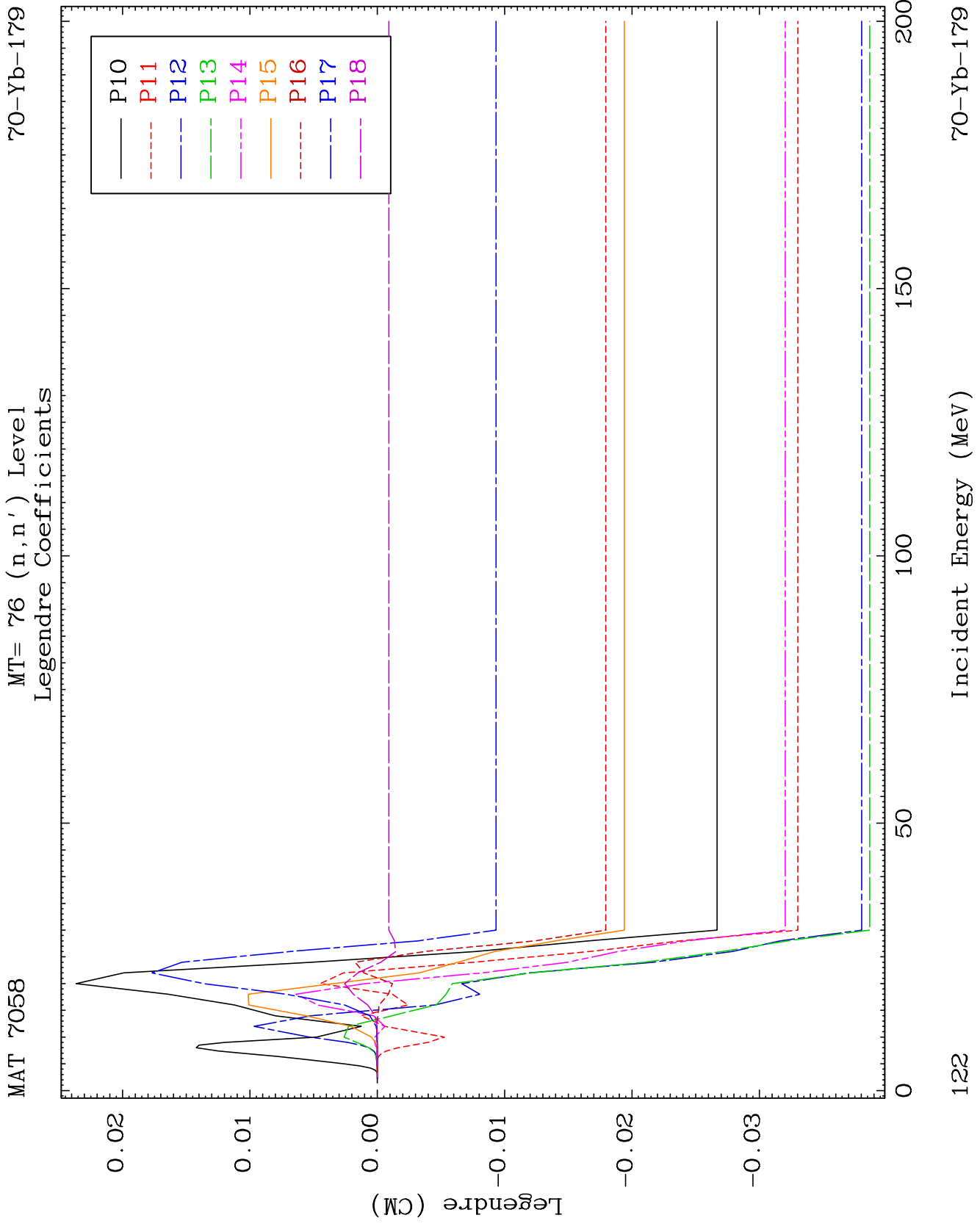
70-Yb-179



121

Incident Energy (MeV)

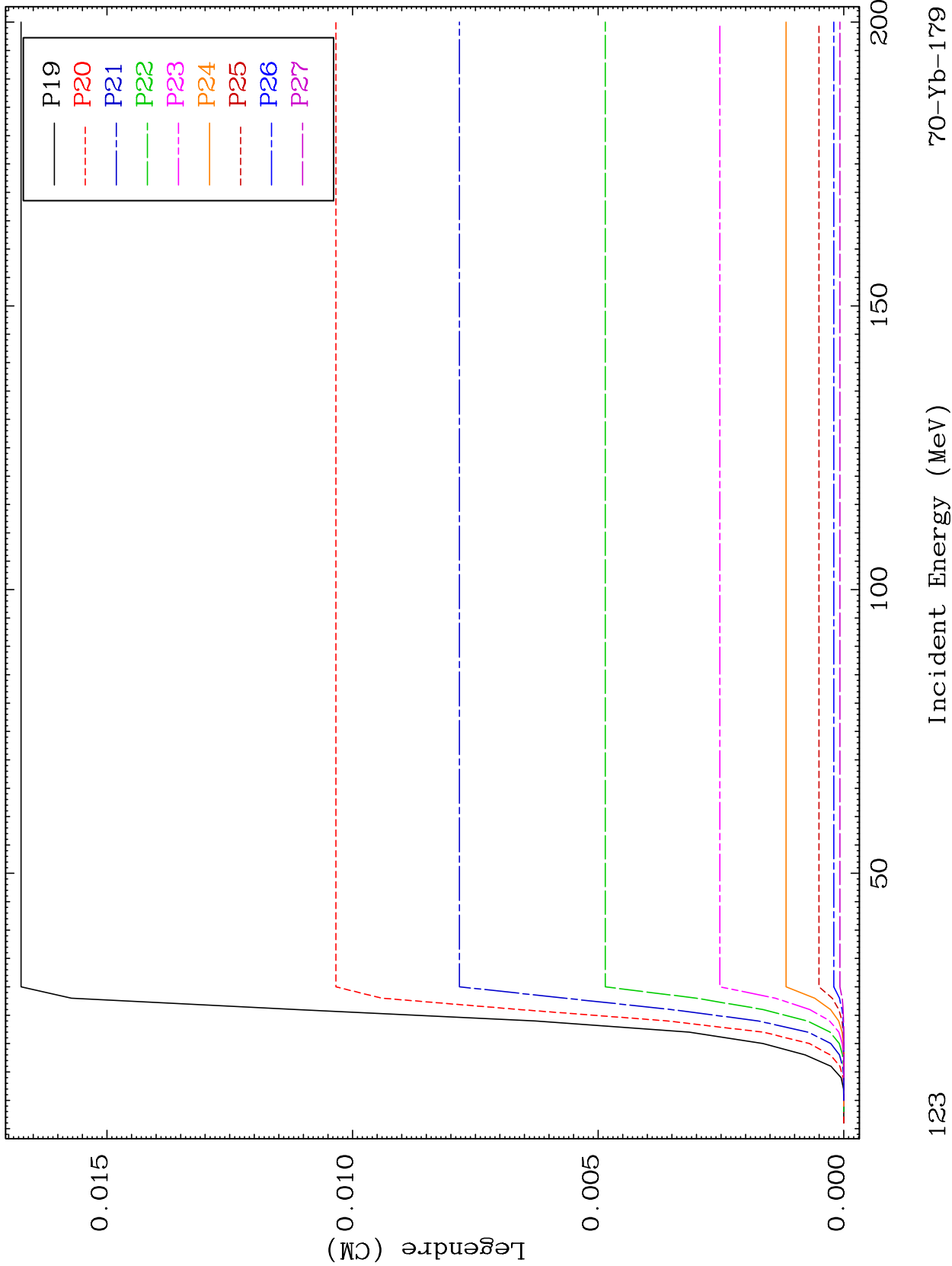
70-Yb-179



MAT 7058

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

70-Yb-179



123

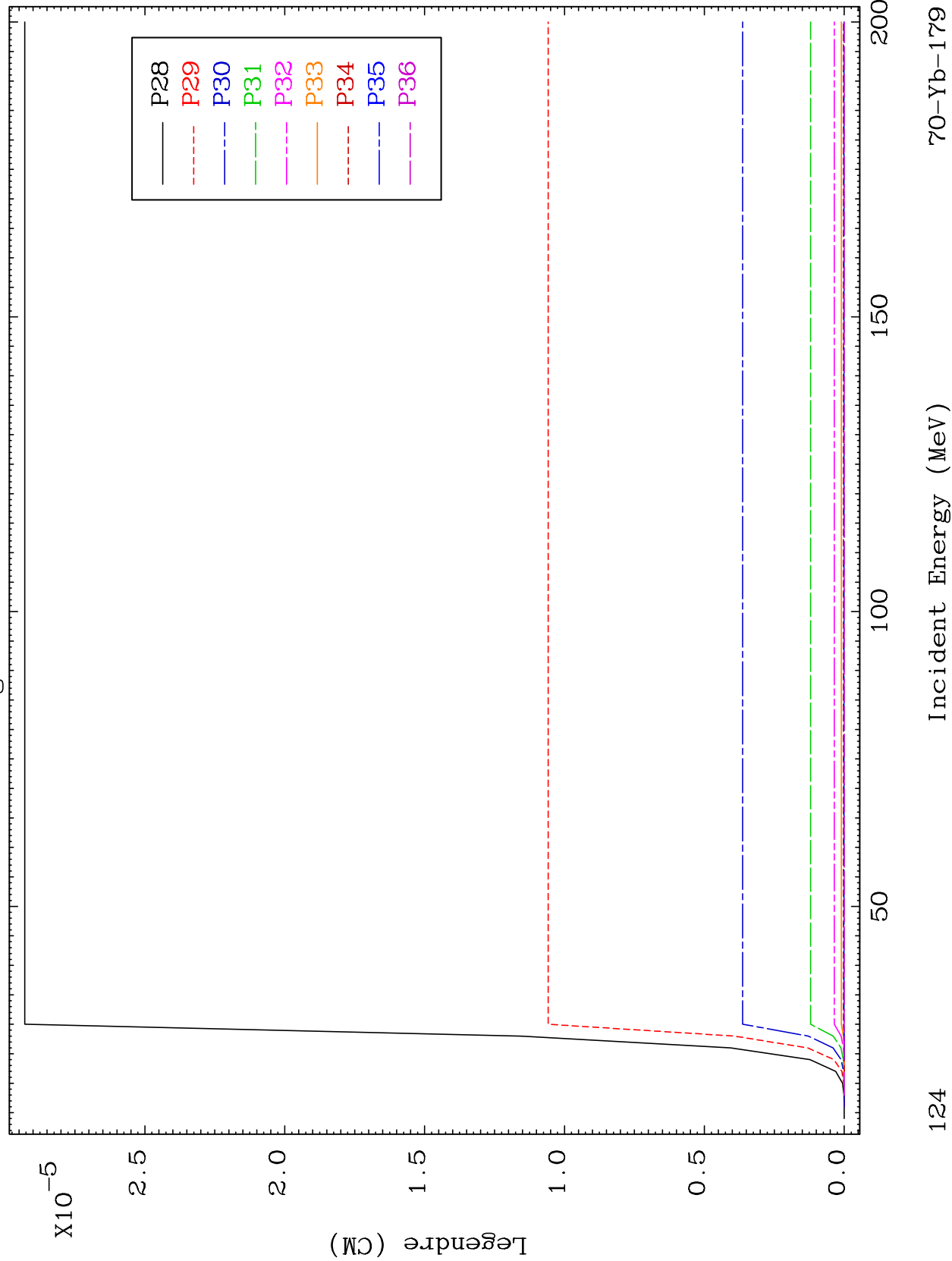
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



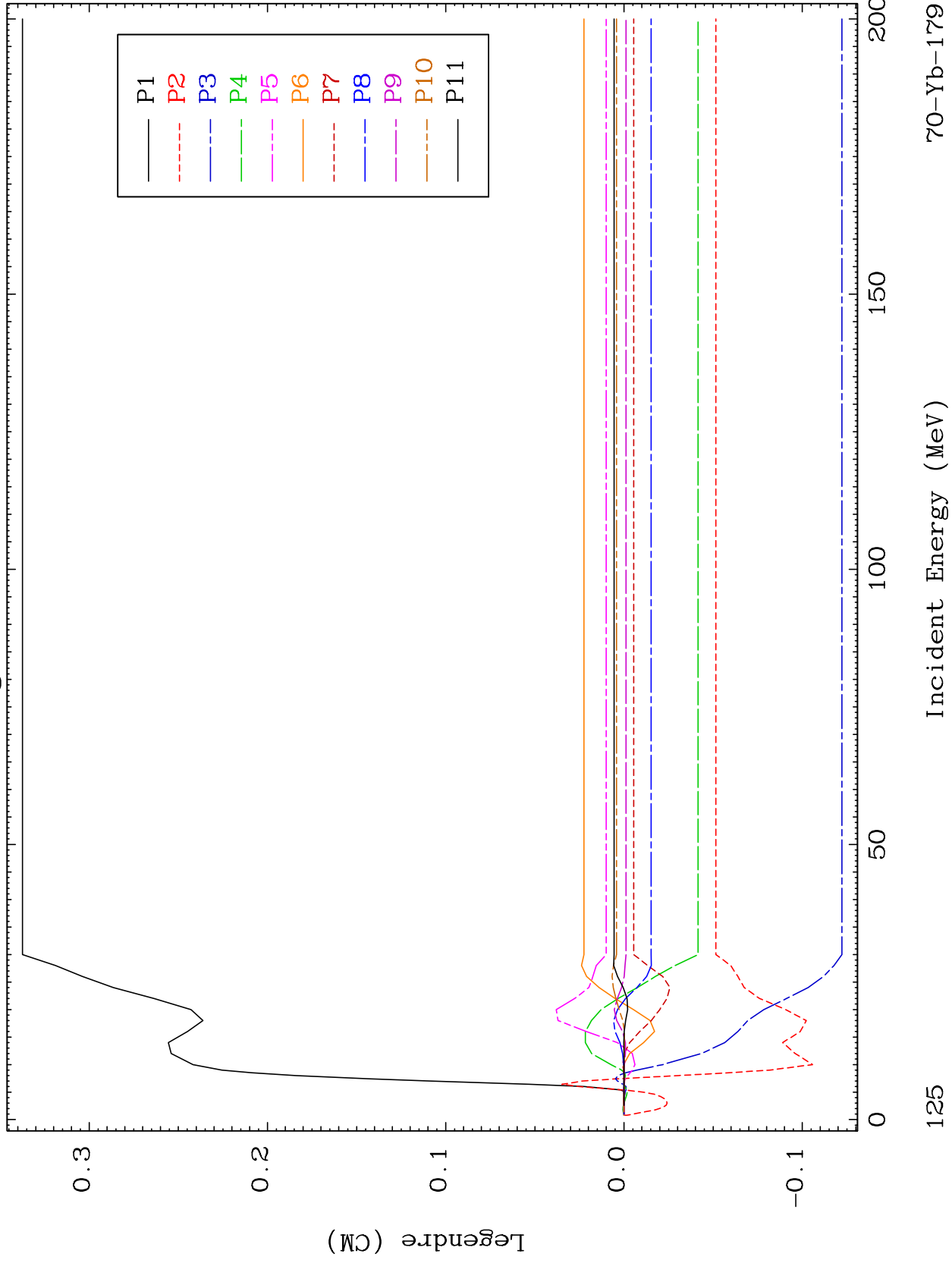
124

70-Yb-179

MAT 7058

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

70-Yb-179



70-Yb-179

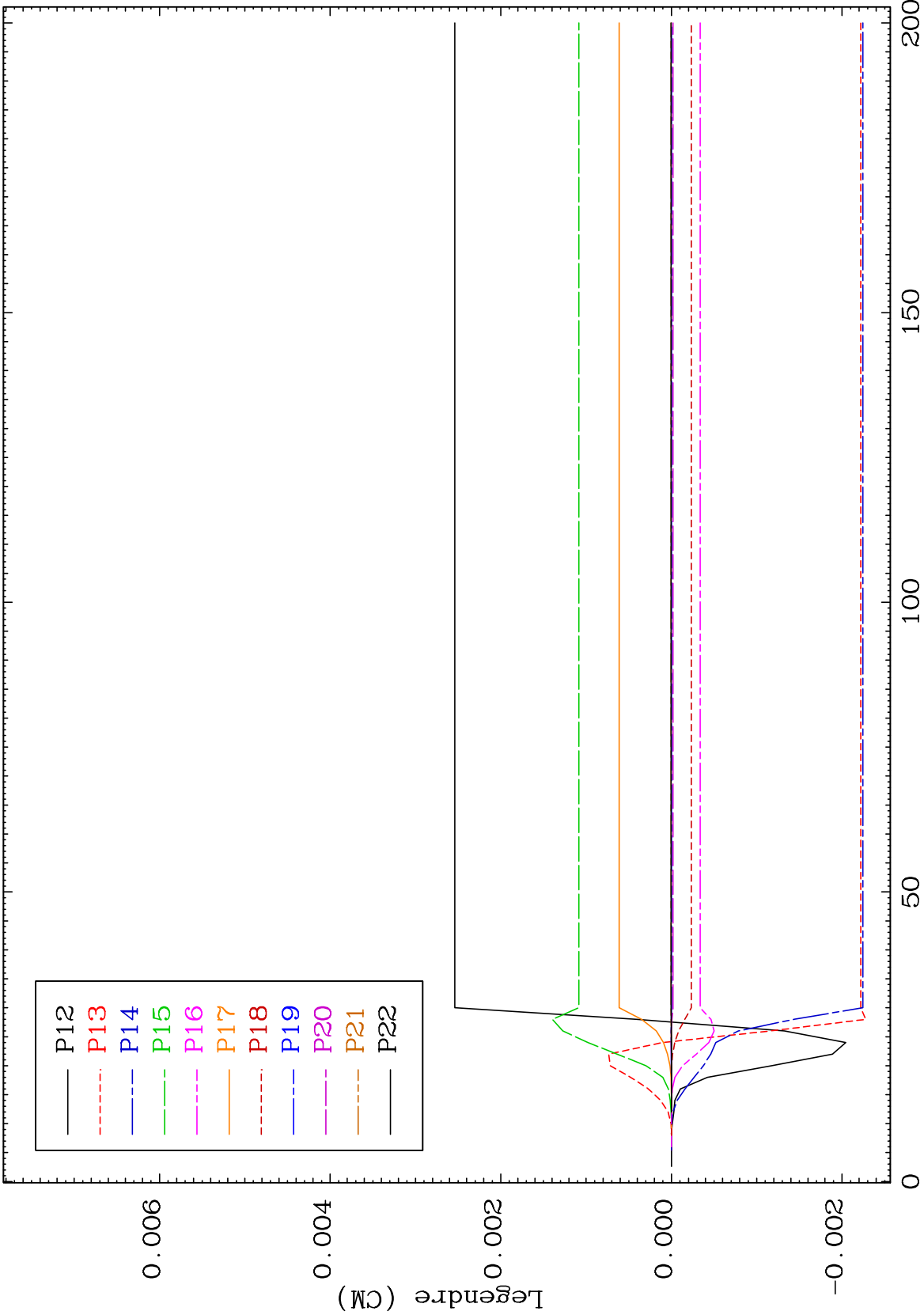
Incident Energy (MeV)

125

MAT 7058

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

70-Yb-179



126

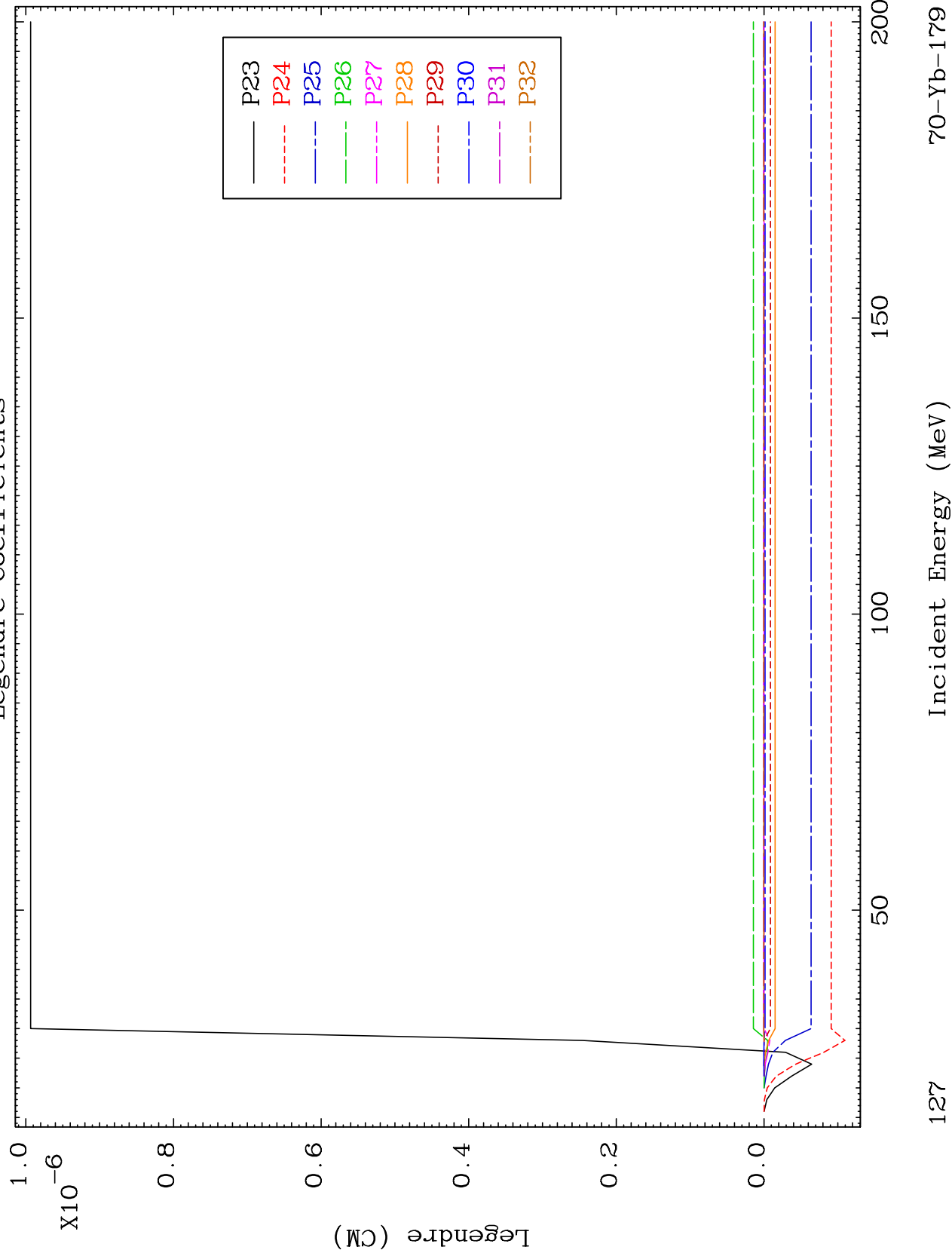
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

70-Yb-179



127

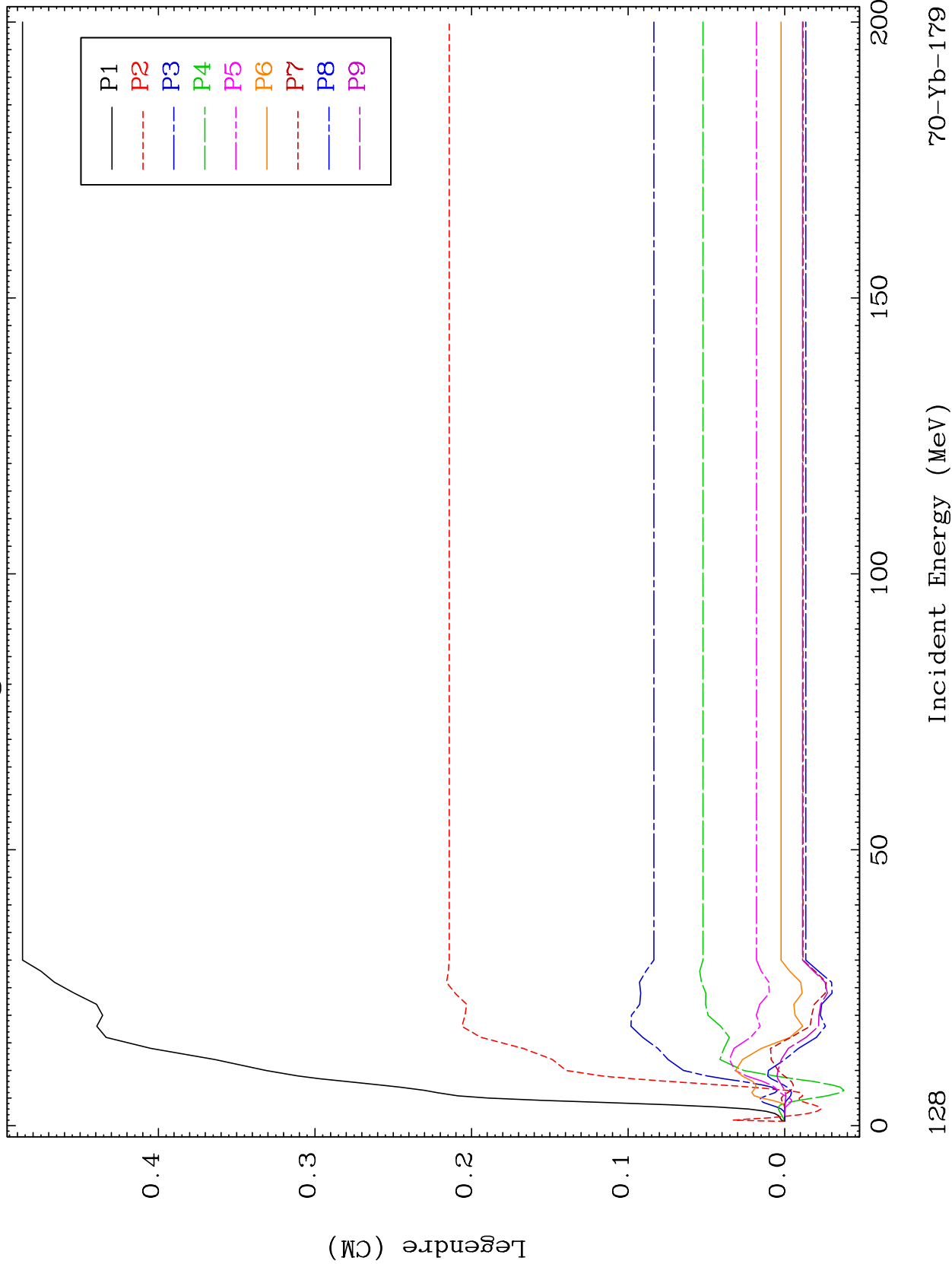
Incident Energy (MeV)

70-Yb-179

MAT 7058

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

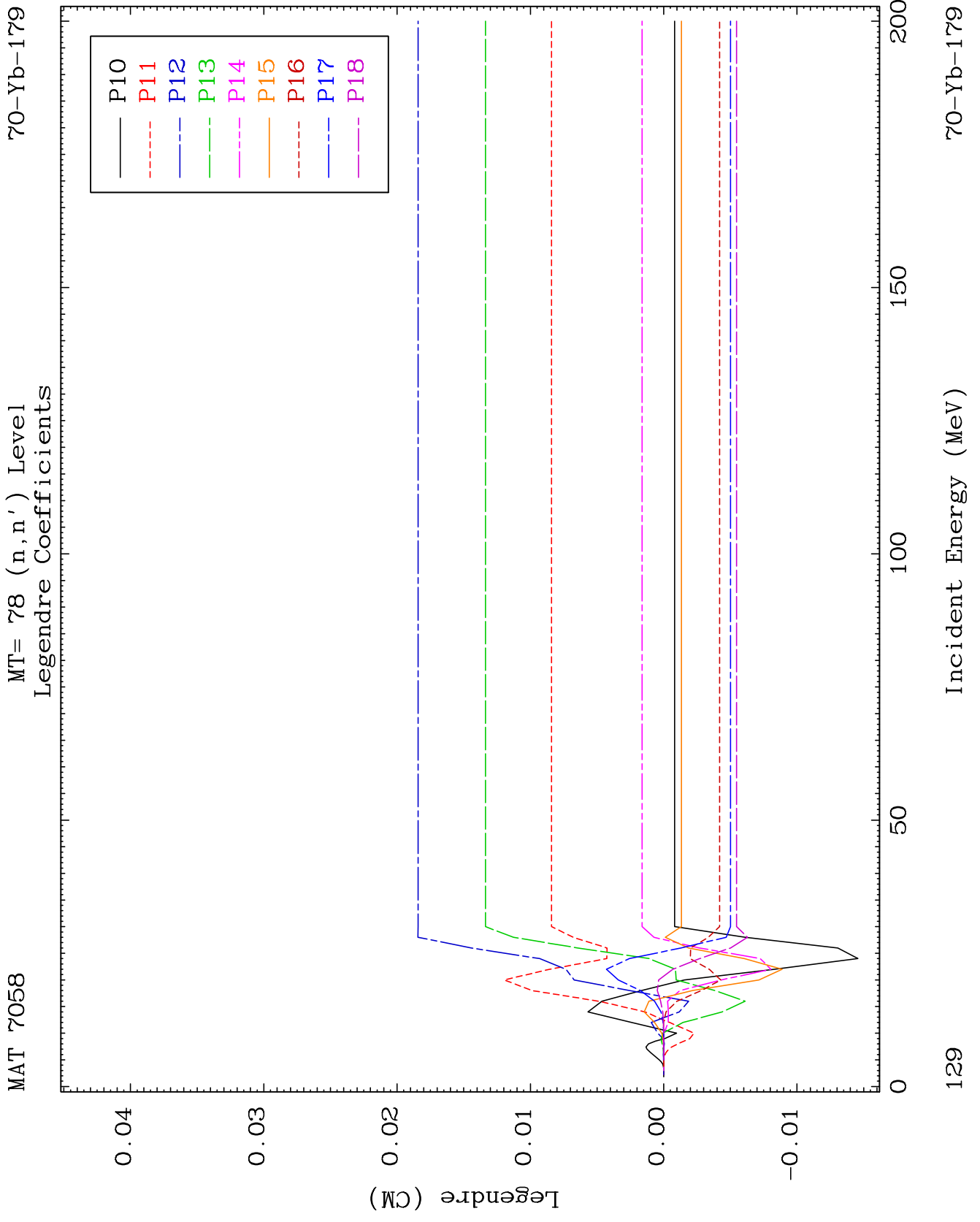
70-Yb-179



70-Yb-179

Incident Energy (MeV)

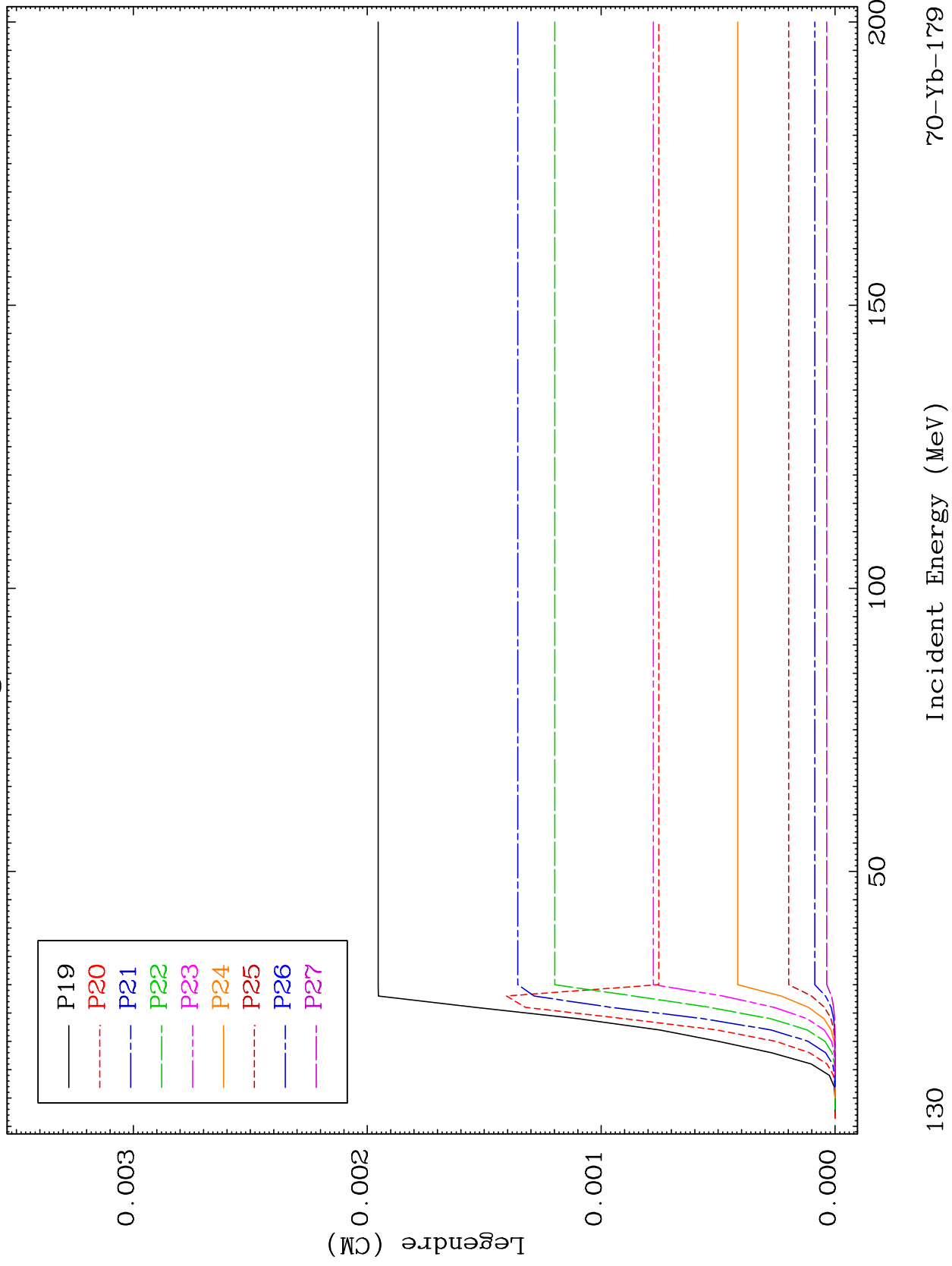
128



MAT 7058

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

70-Yb-179



130

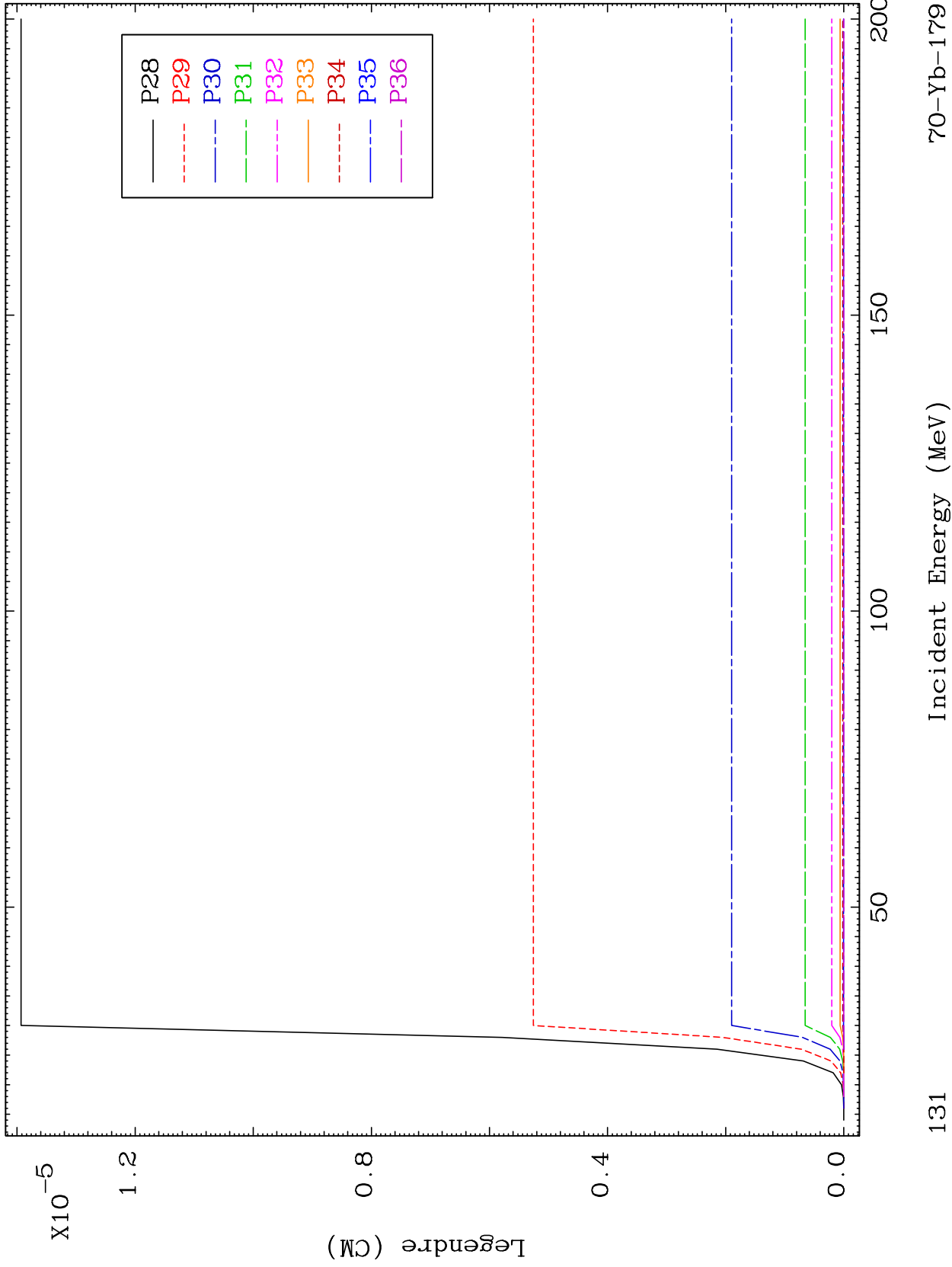
Incident Energy (MeV)

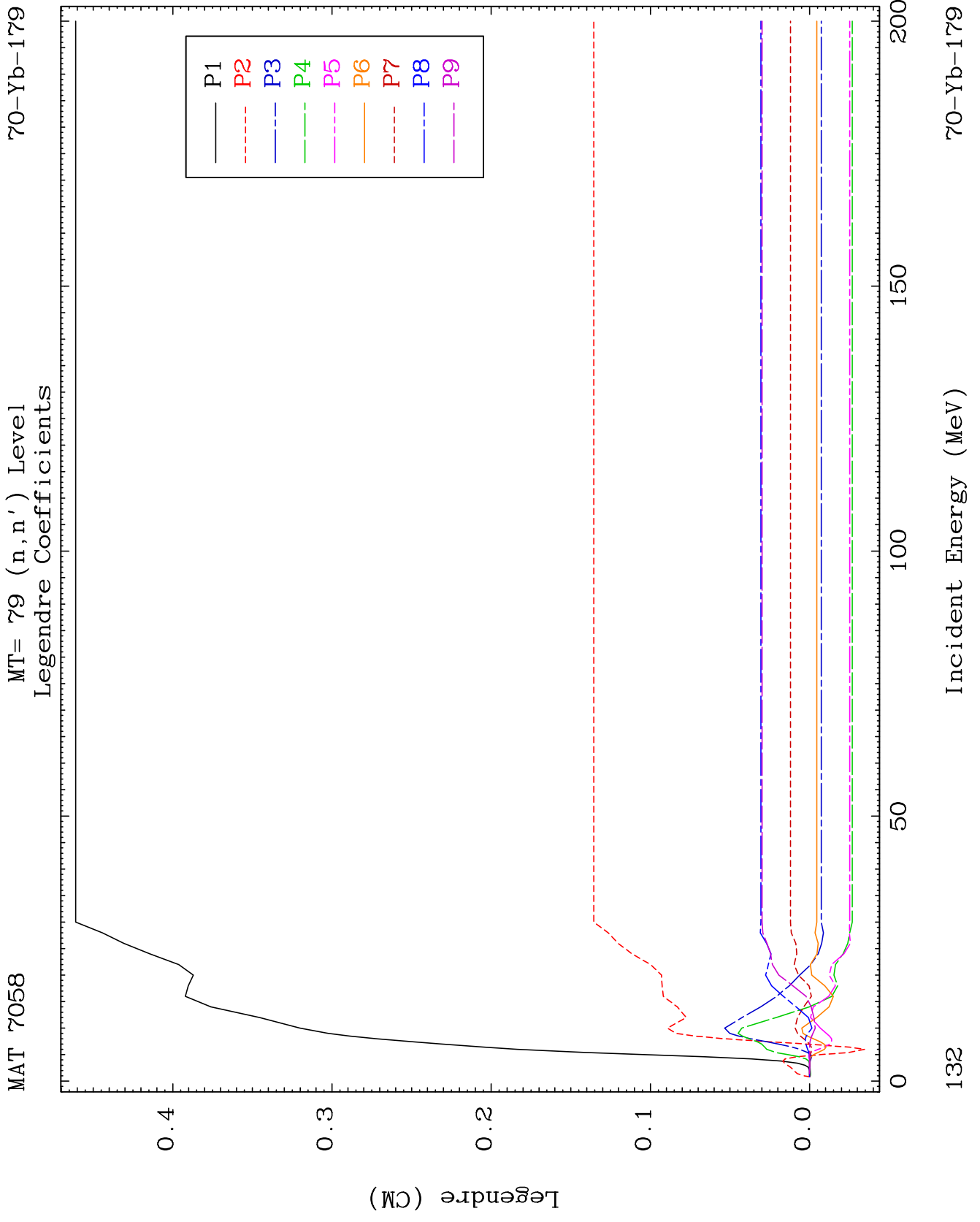
70-Yb-179

MAT 7058

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

70-Yb-179

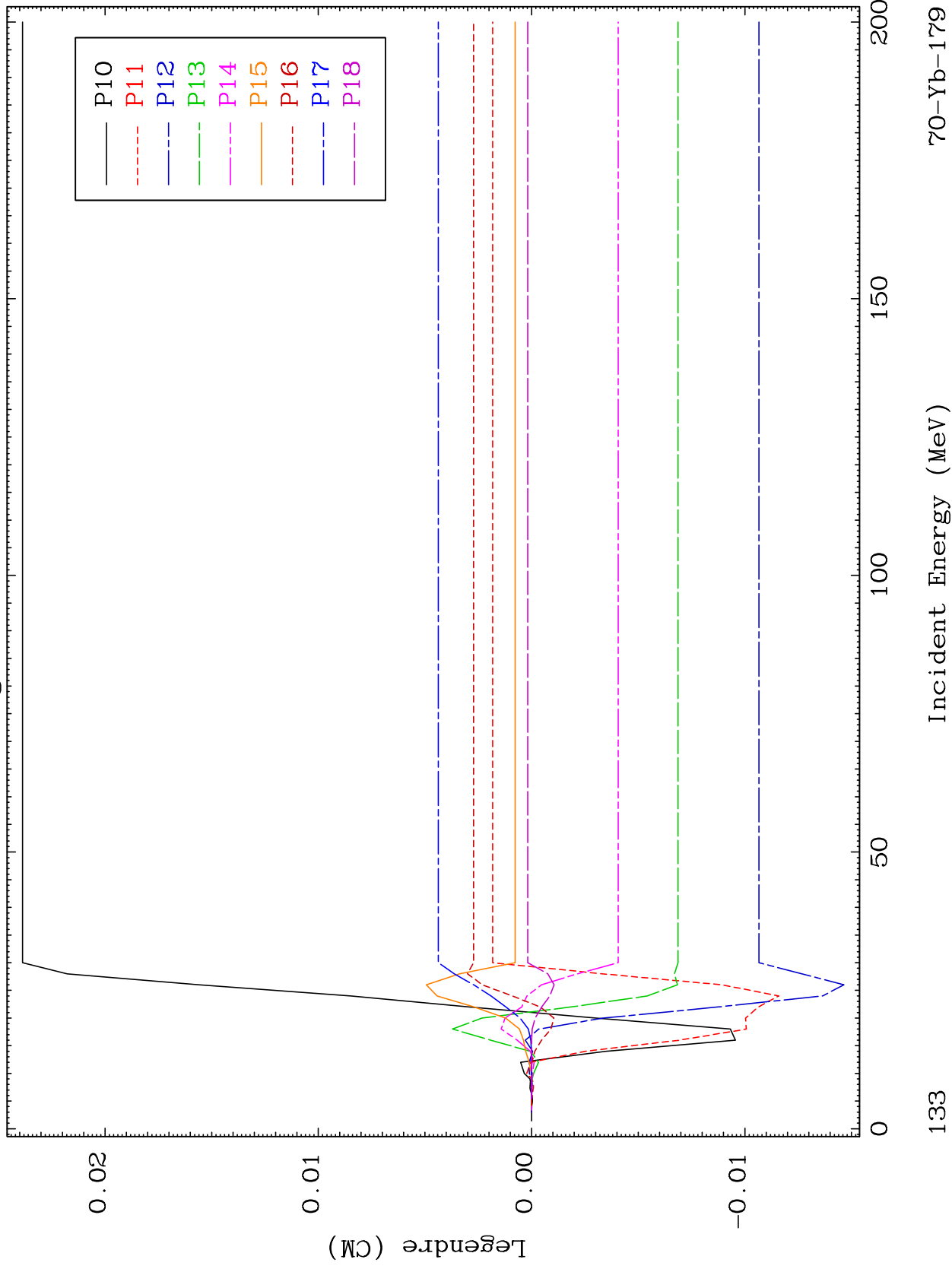




MAT 7058

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

70-Yb-179



70-Yb-179

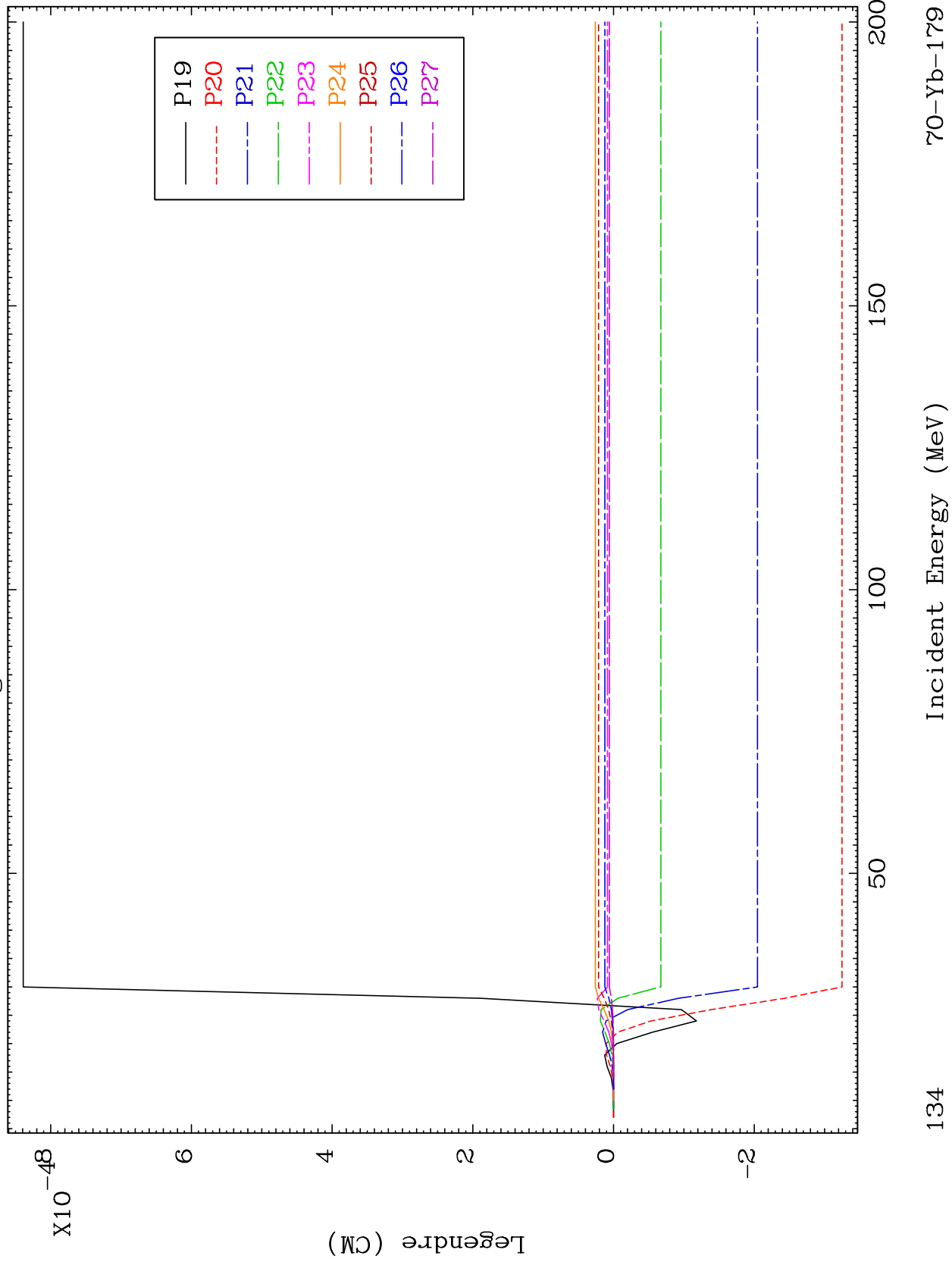
Incident Energy (MeV)

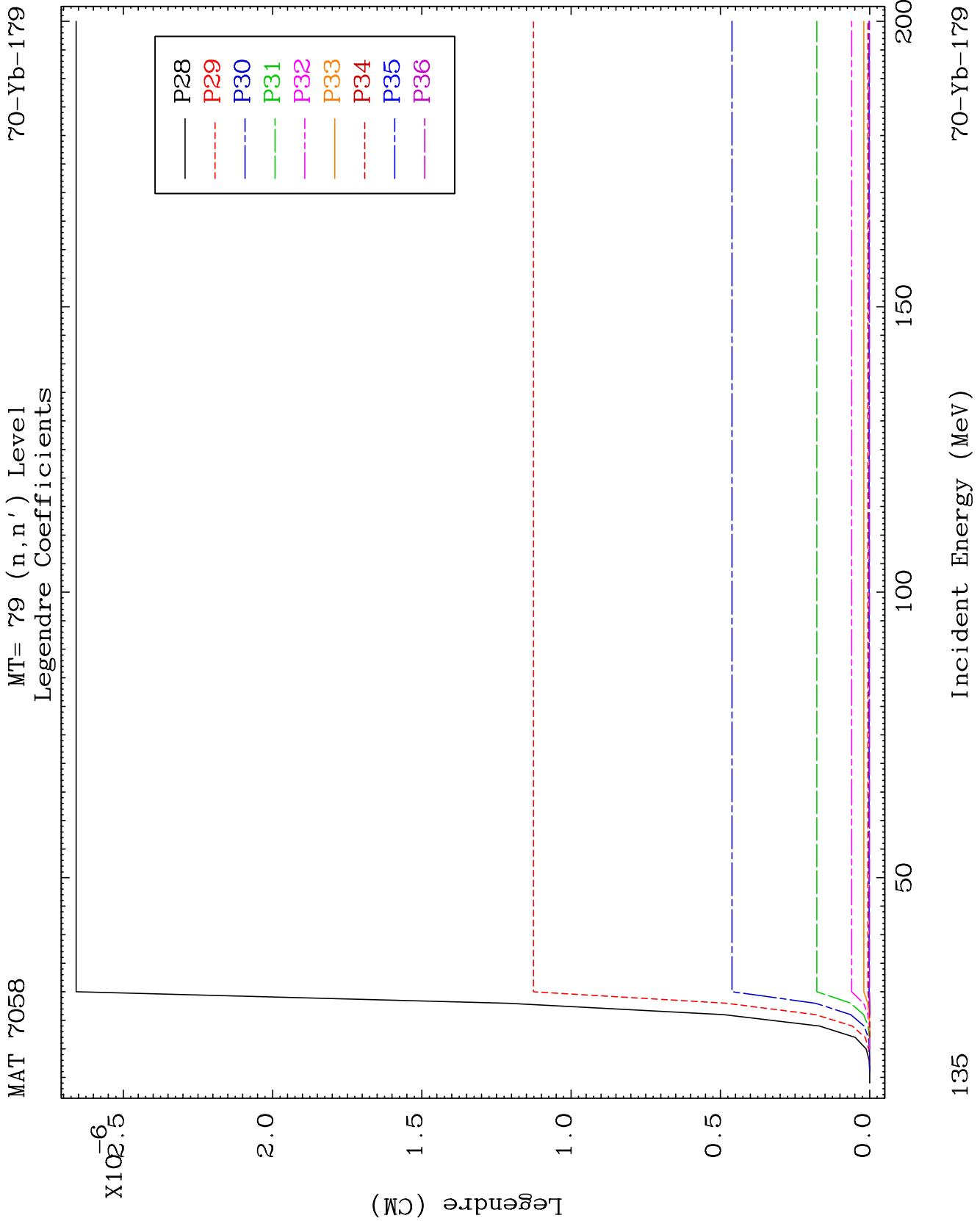
133

MAT 7058

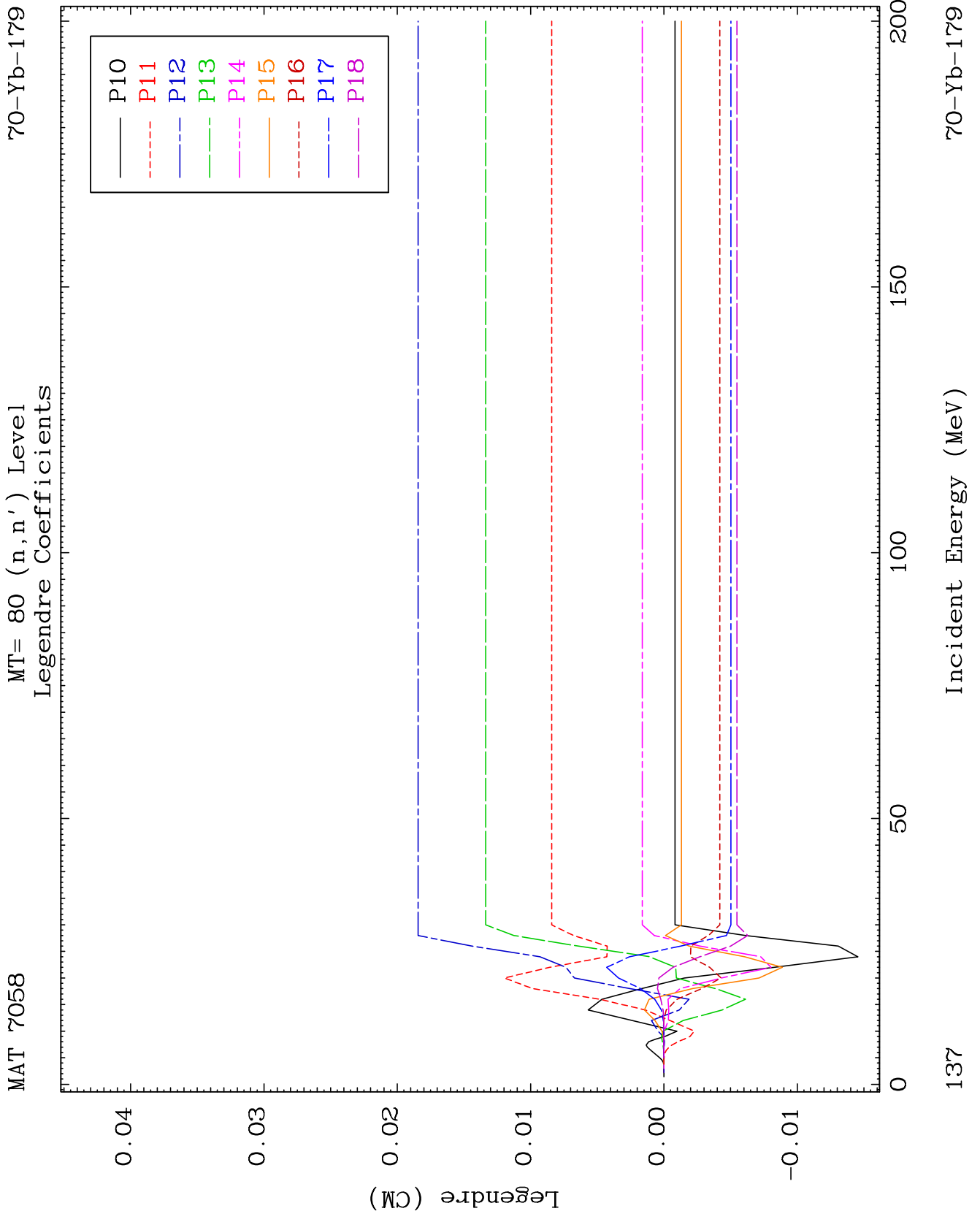
MT= 79 (n,n') Level  
Legendre Coefficients

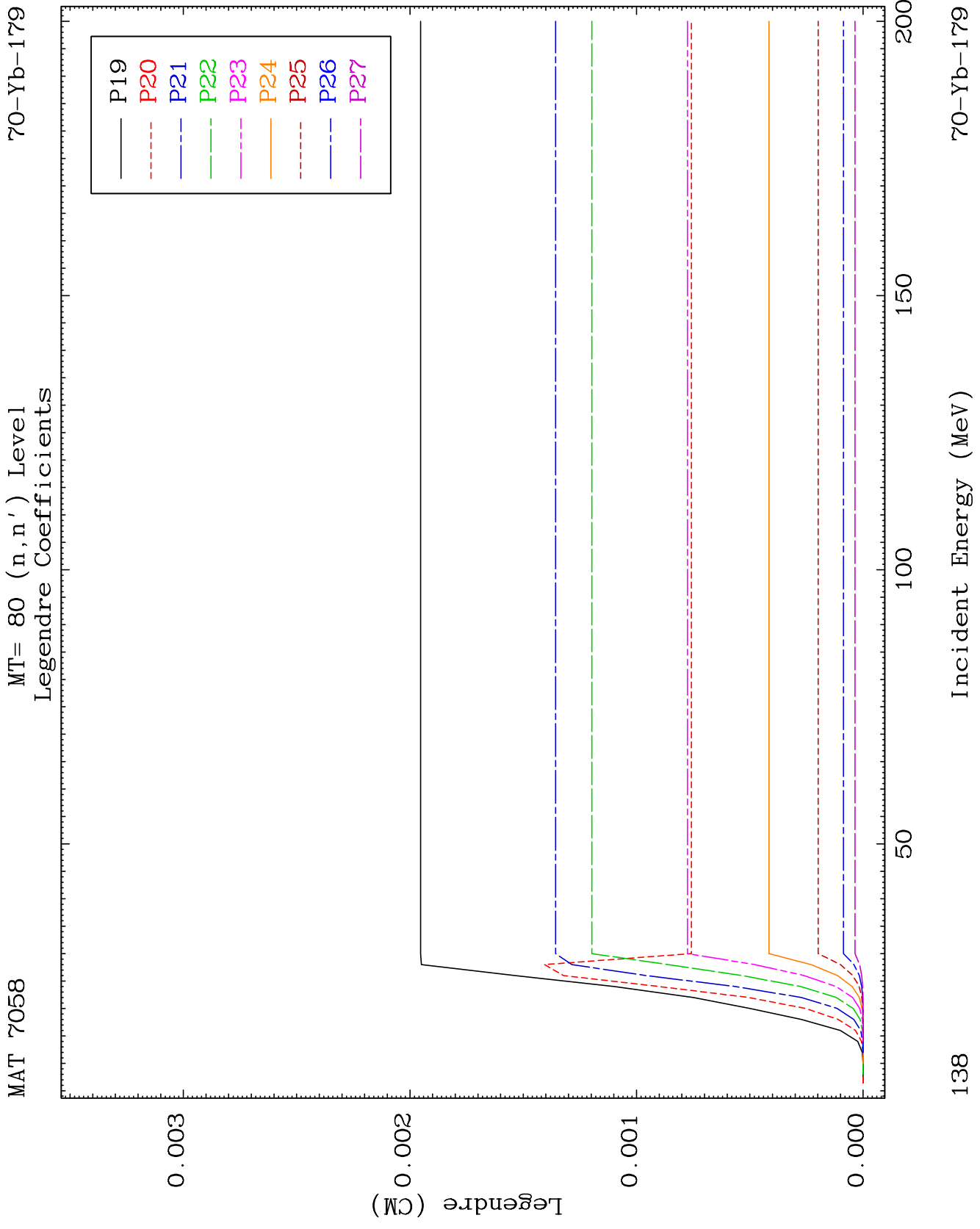
70-Yb-179







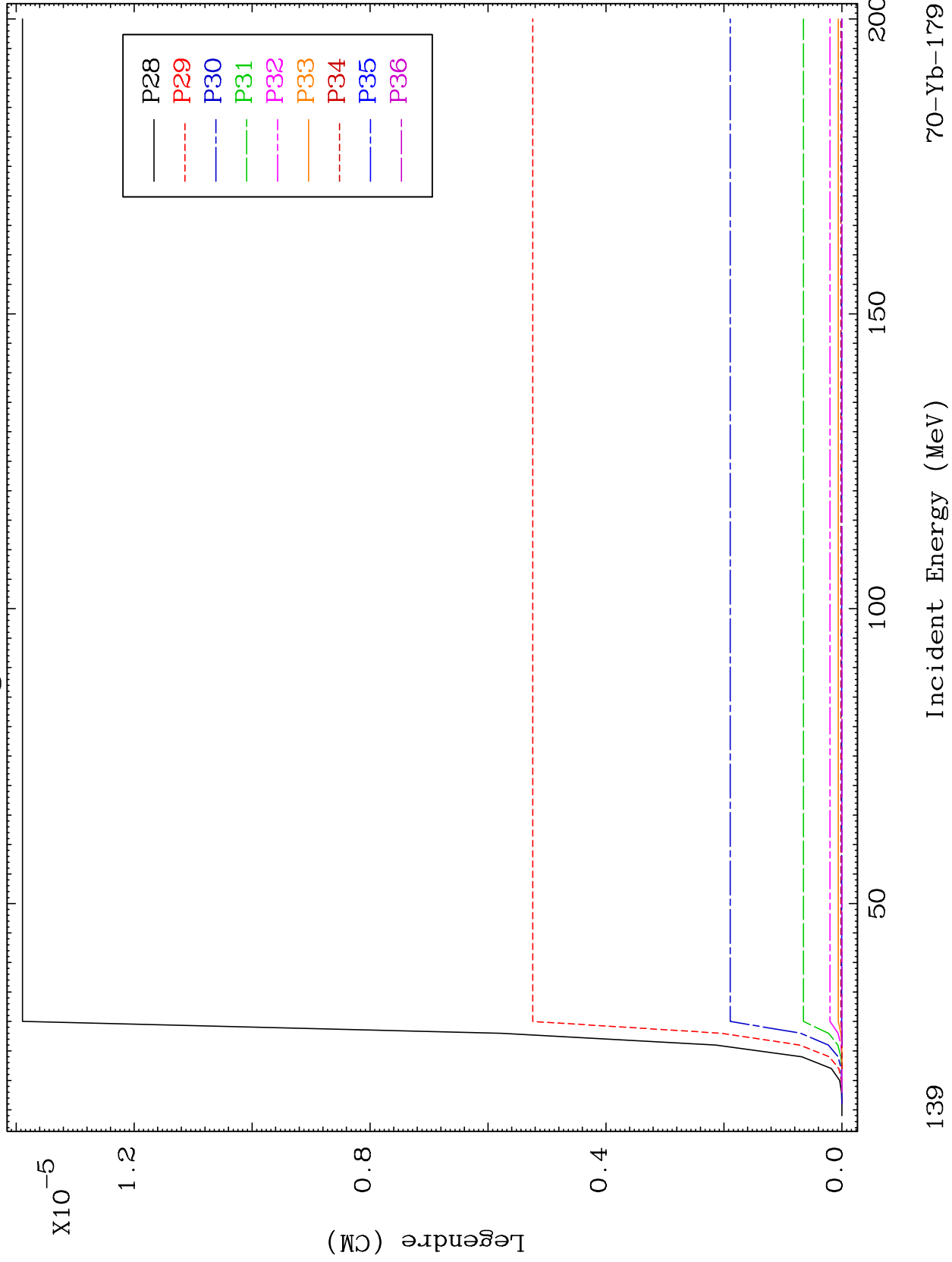




MAT 7058

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

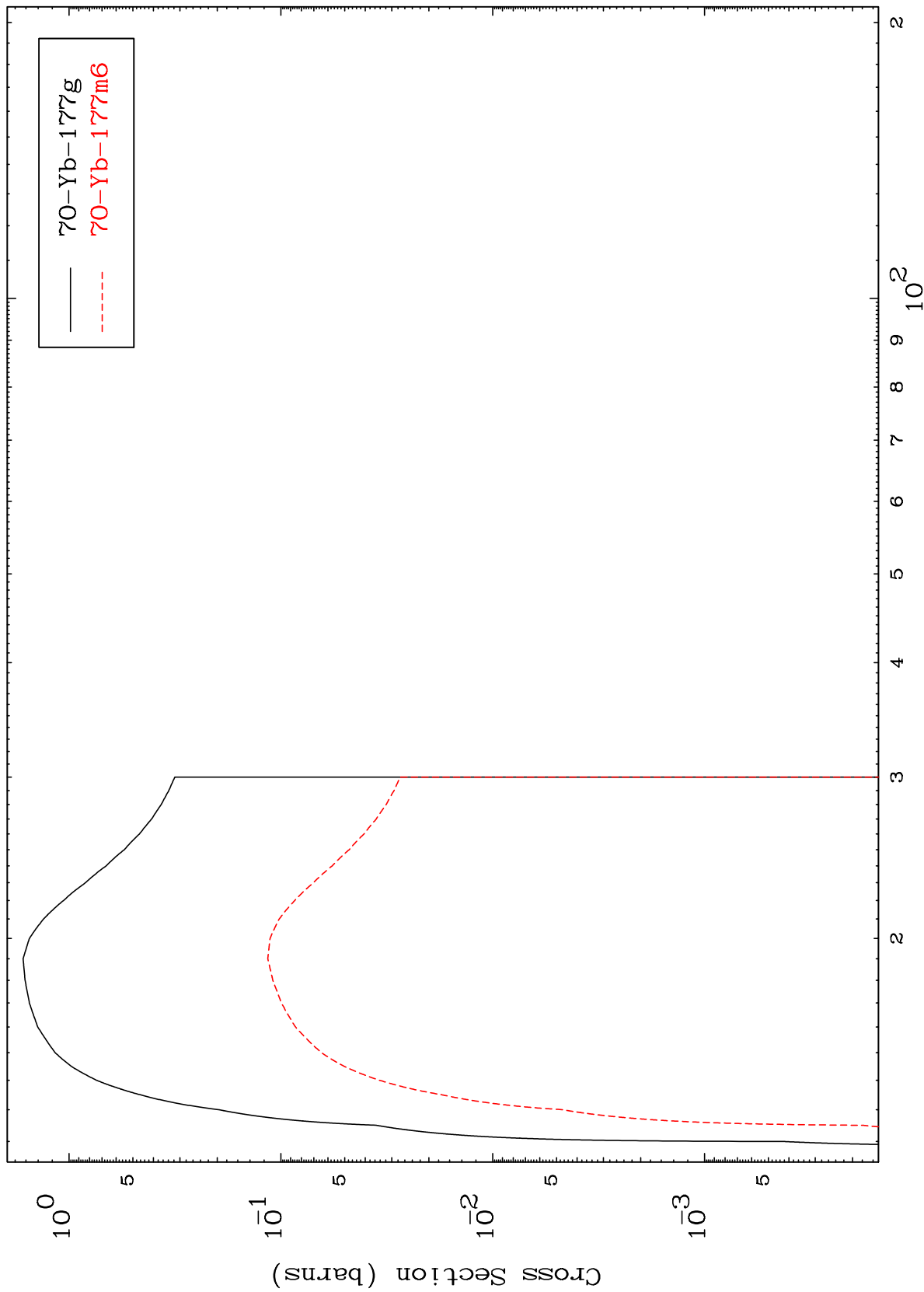
70-Yb-179



MAT 7058

70-Yb-179

(n,3n)  
Radionuclide Production Cross Section



70-Yb-179

Incident Energy (MeV)

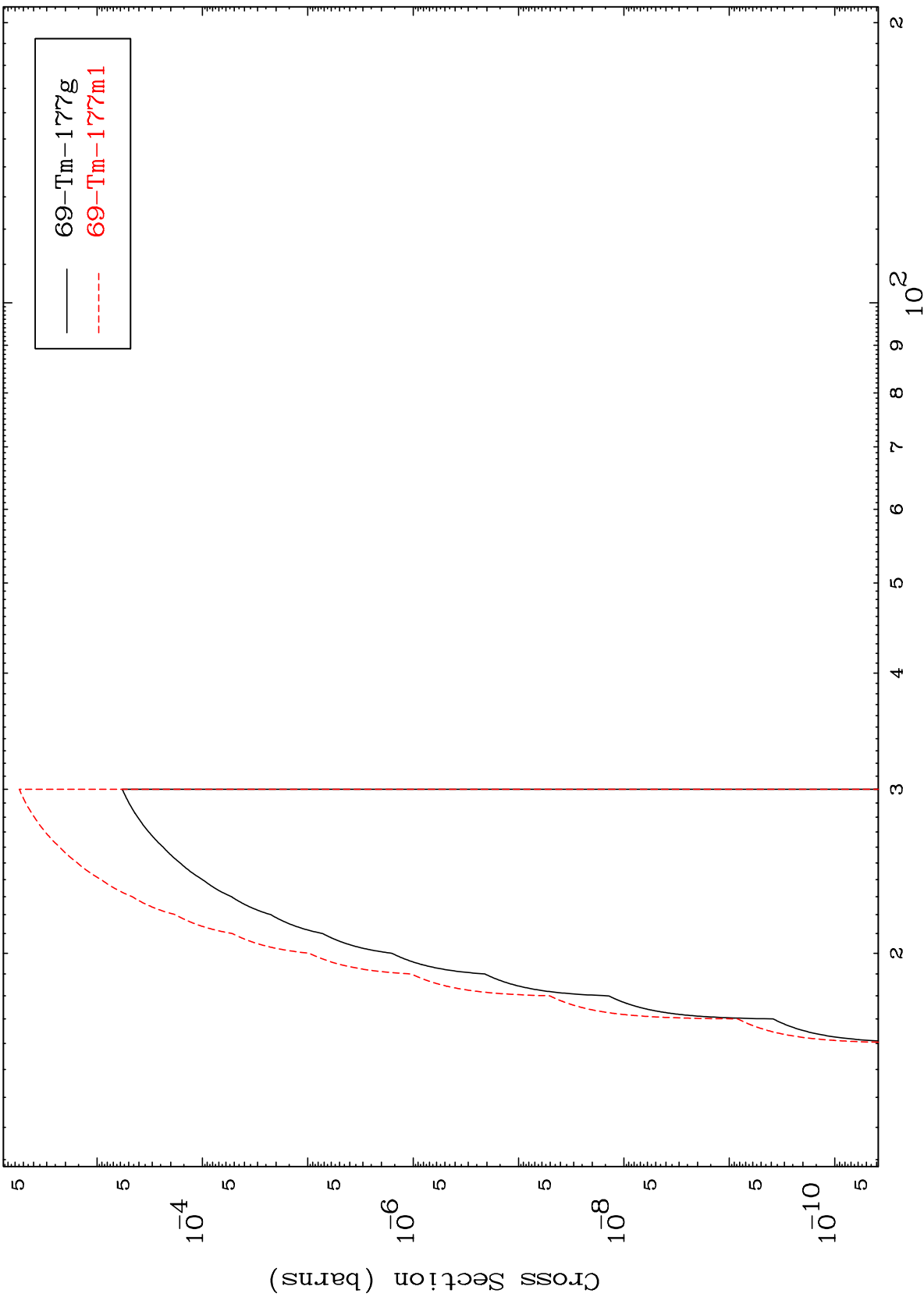
140

MAT 7058

(n,n') d

70-Yb-179

Radionuclide Production Cross Section



141

Incident Energy (MeV)

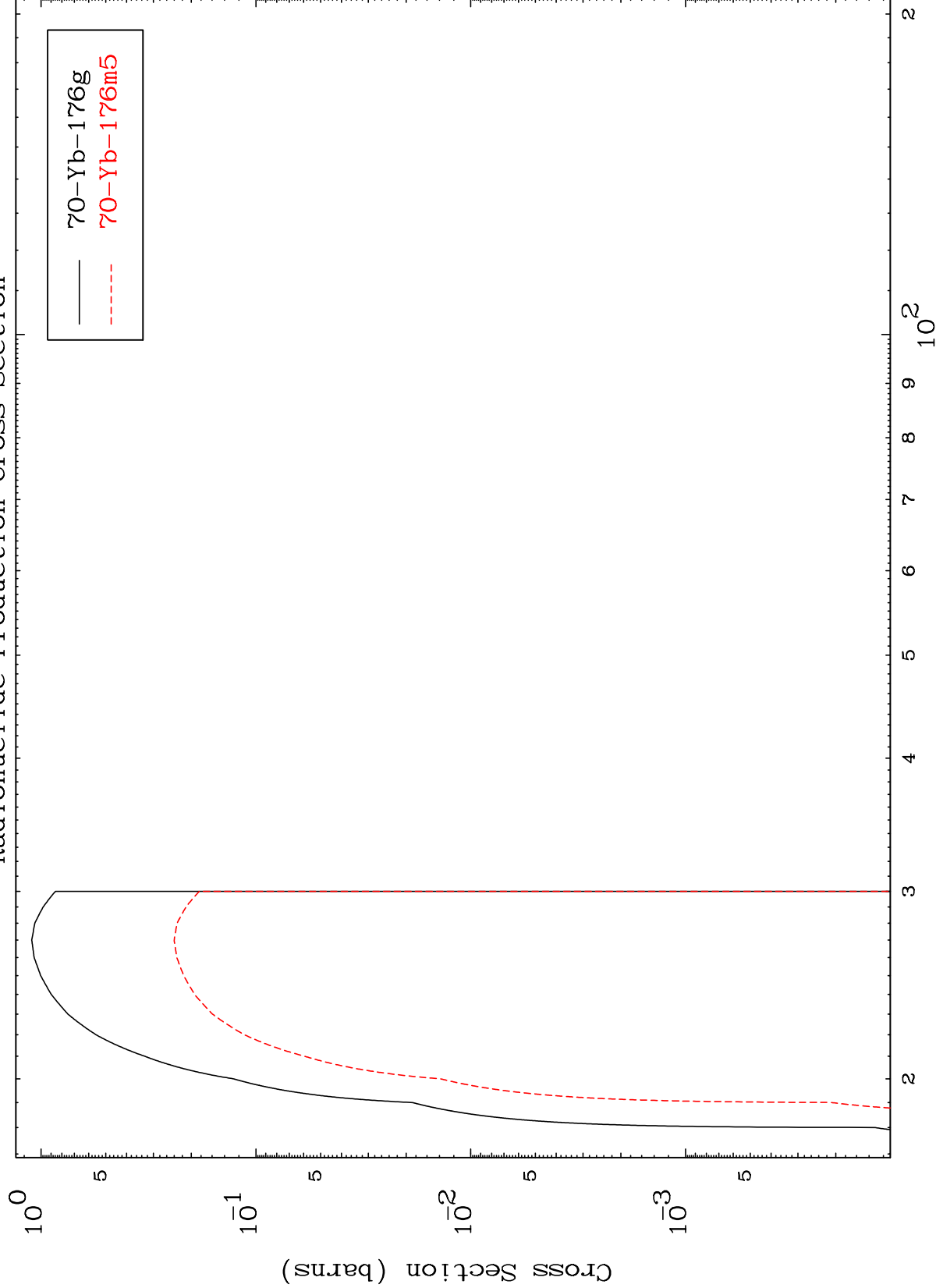
70-Yb-179

MAT 7058

(n,4n)

70-Yb-179

Radionuclide Production Cross Section



70-Yb-176g  
70-Yb-176m5

142

Incident Energy (MeV)

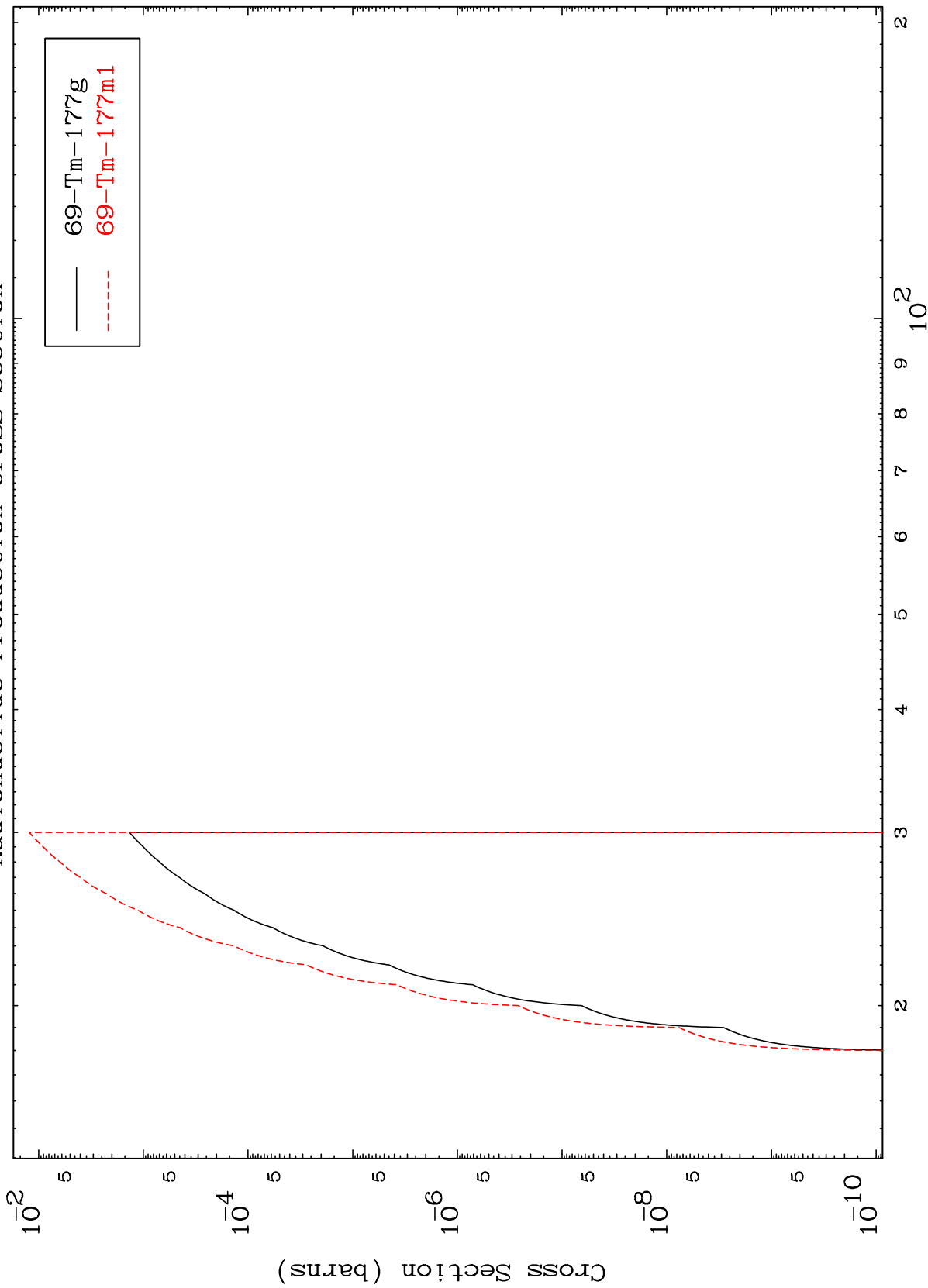
70-Yb-179

MAT 7058

(n,2n) p

70-Yb-179

Radionuclide Production Cross Section



143

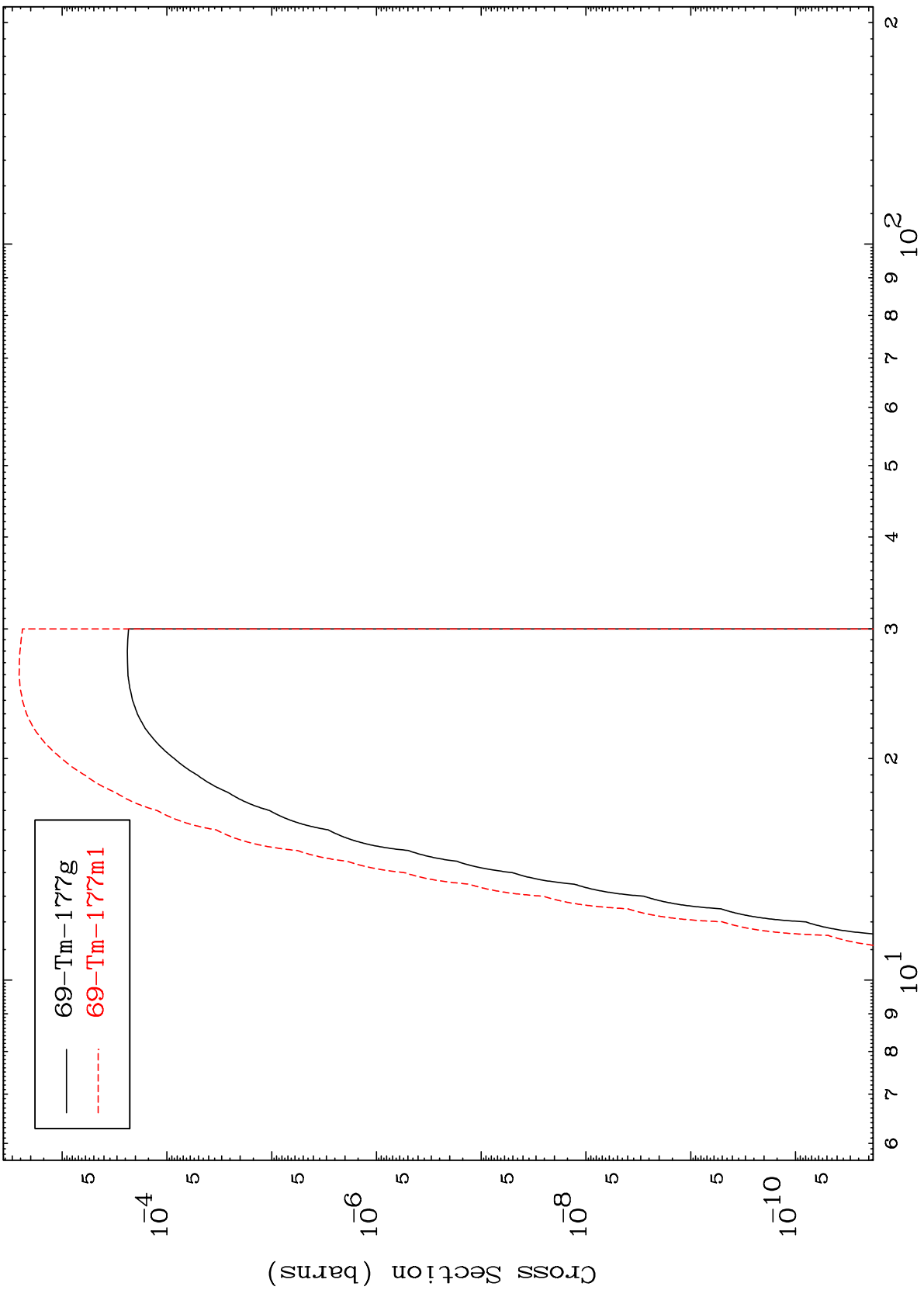
Incident Energy (MeV)

70-Yb-179

MAT 7058

70-Yb-179

Radionuclide Production Cross Section



Incident Energy (MeV)

70-Yb-179

144