

Program EVALPLOT  
(Version 2018-1)

by

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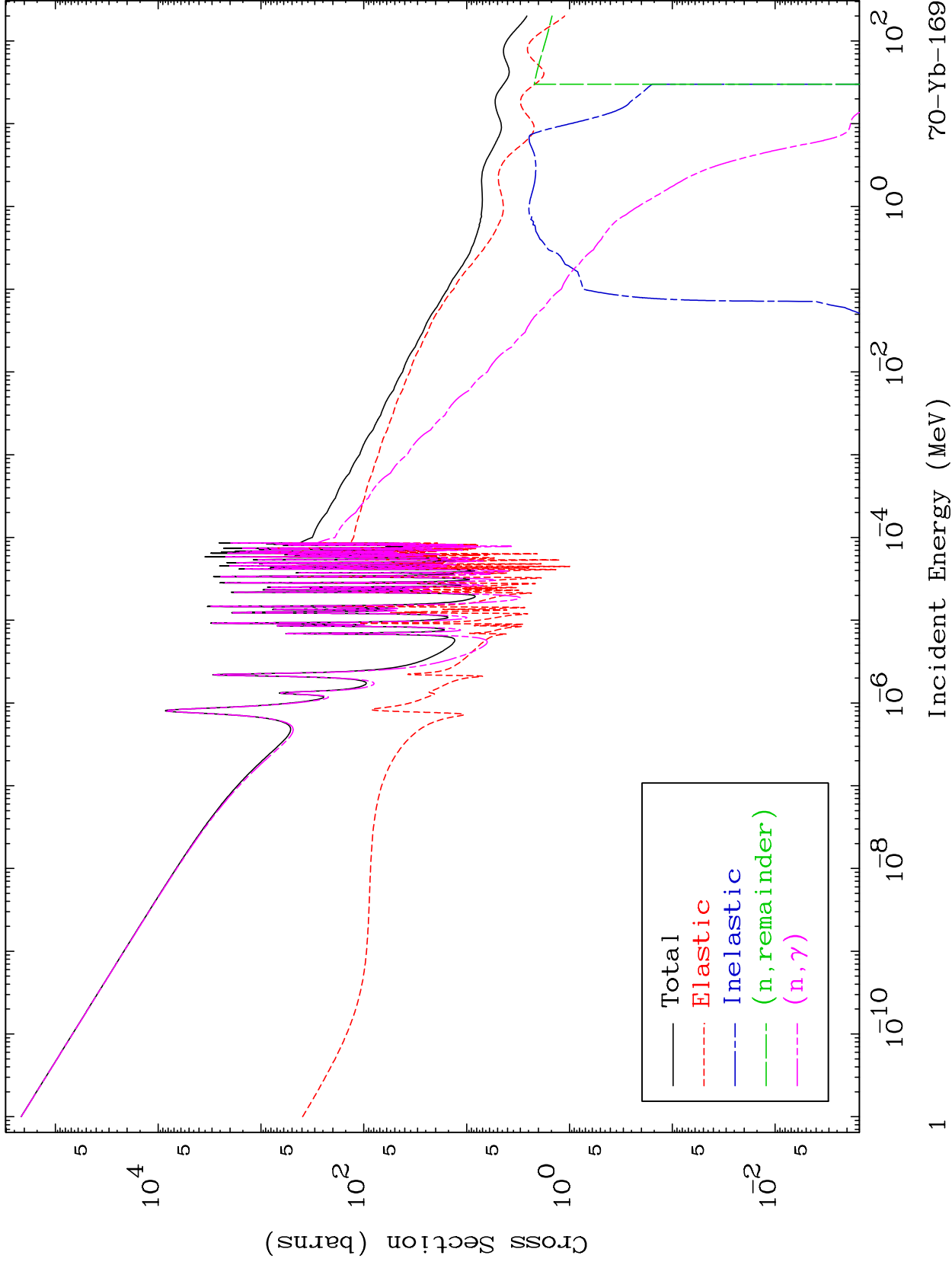
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 7028

Major  
293 Kelvin Cross Sections

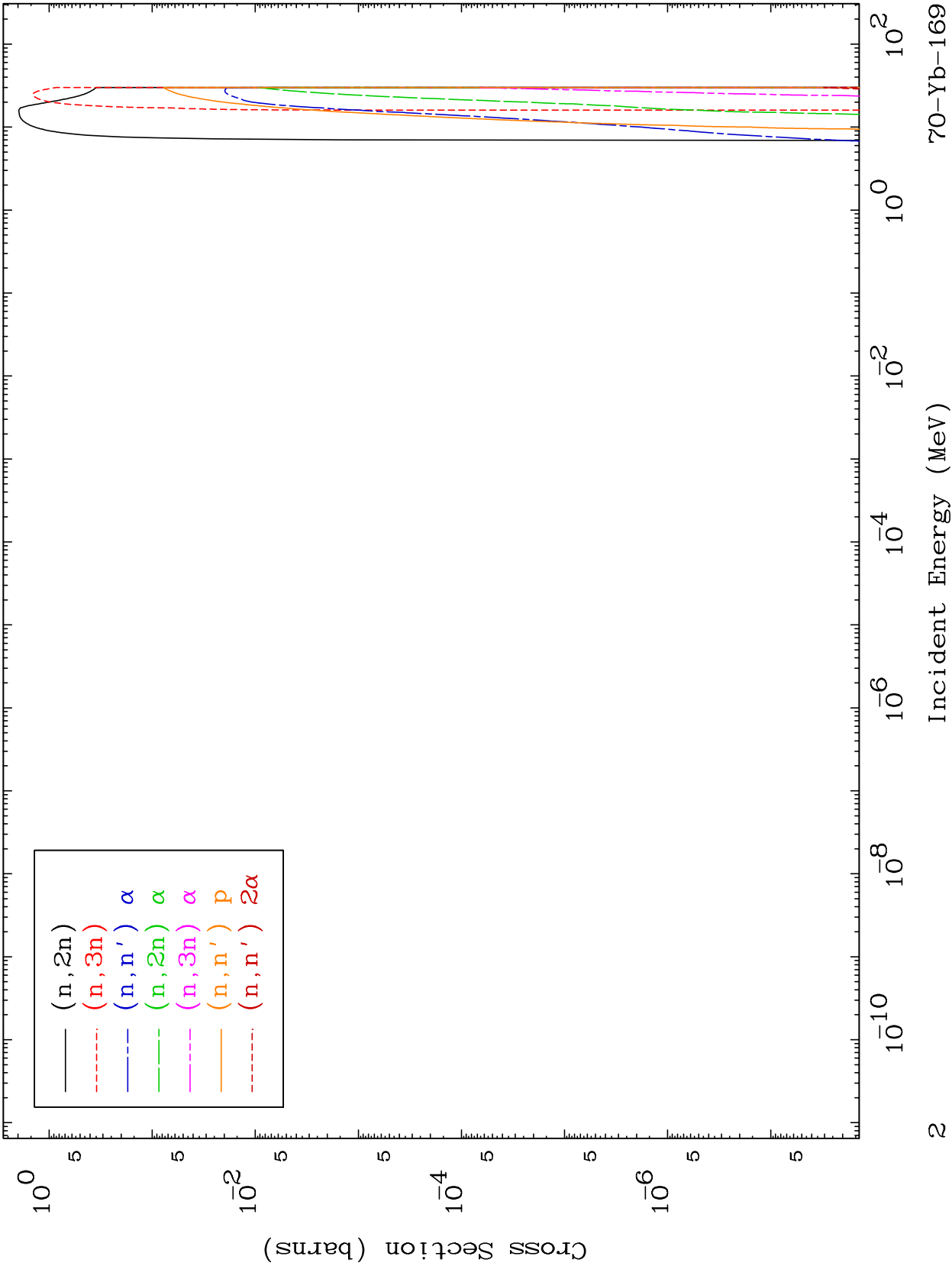
70-Yb-169

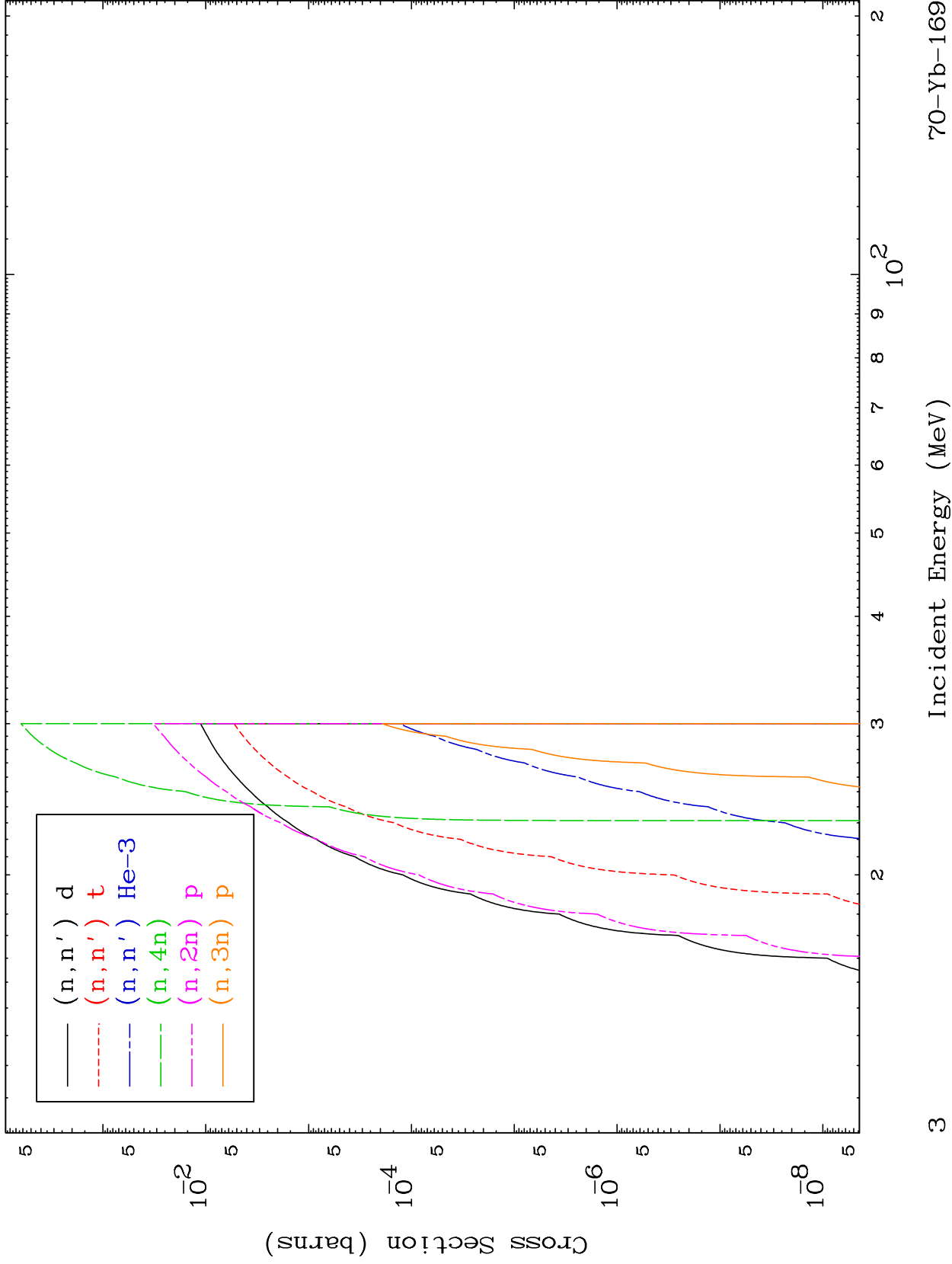


MAT 7028

Neutron Production  
293 Kelvin Cross Sections

70-Yb-169

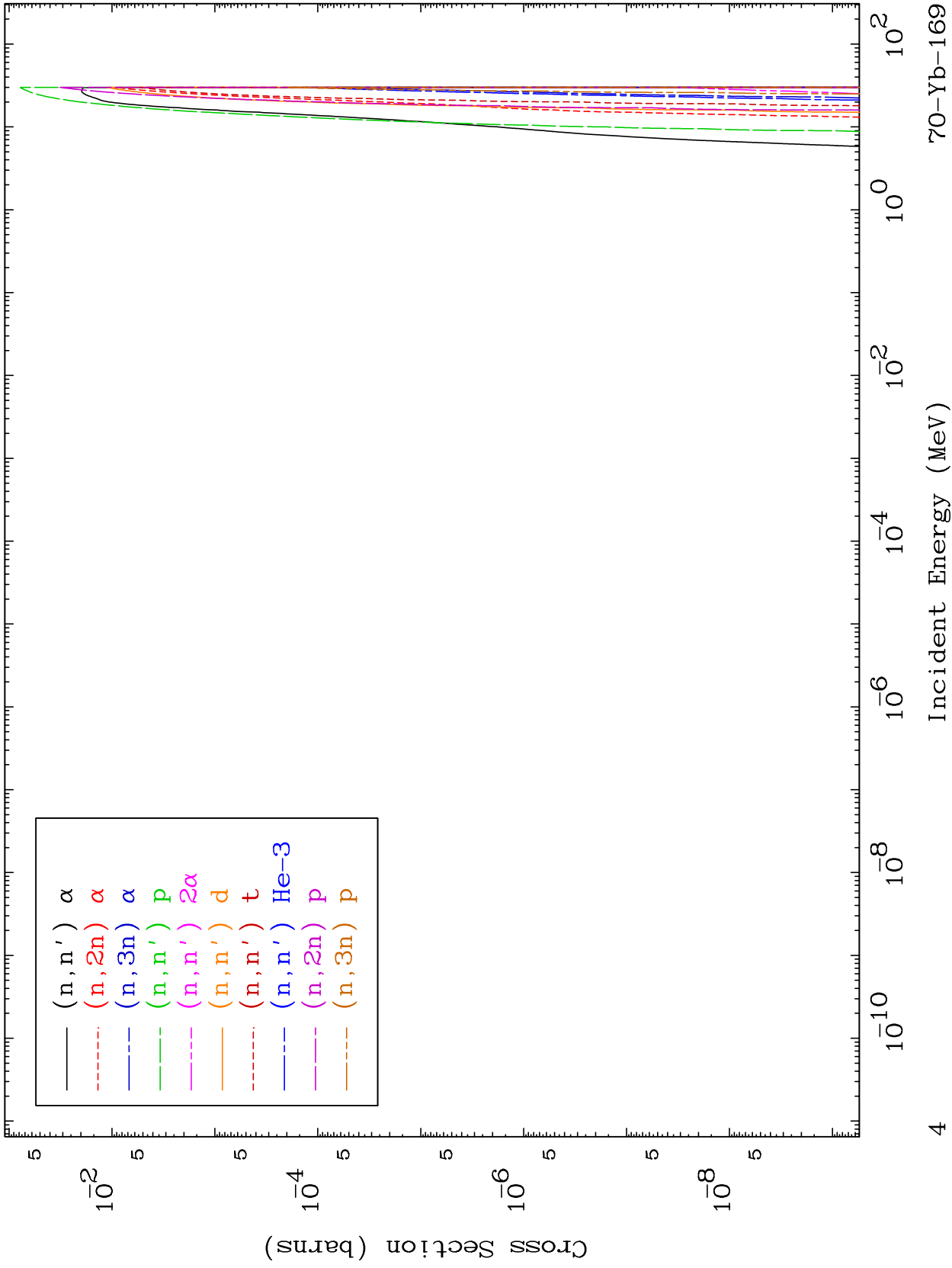




MAT 7028

Charged Particle  
293 Kelvin Cross Sections

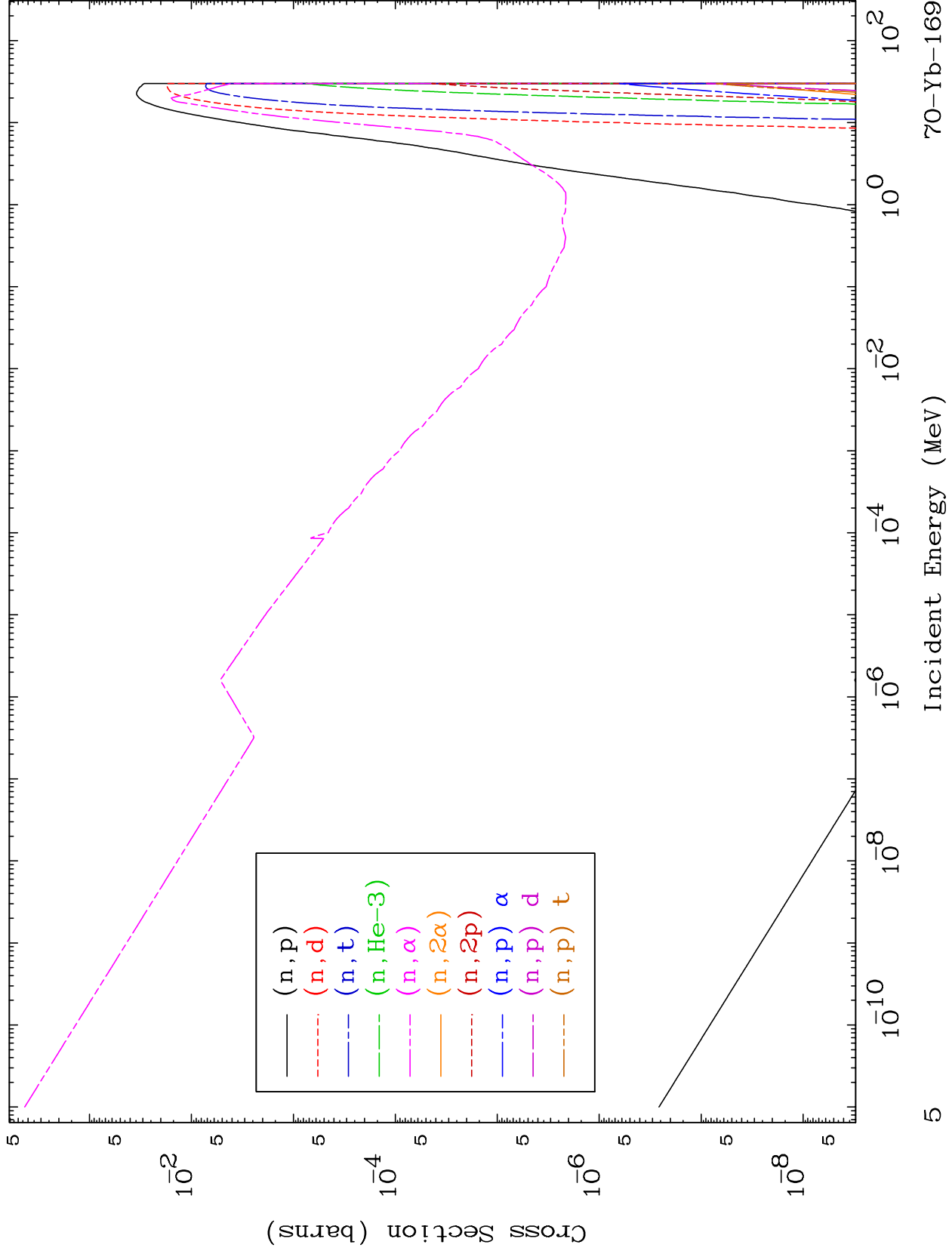
70-Yb-169

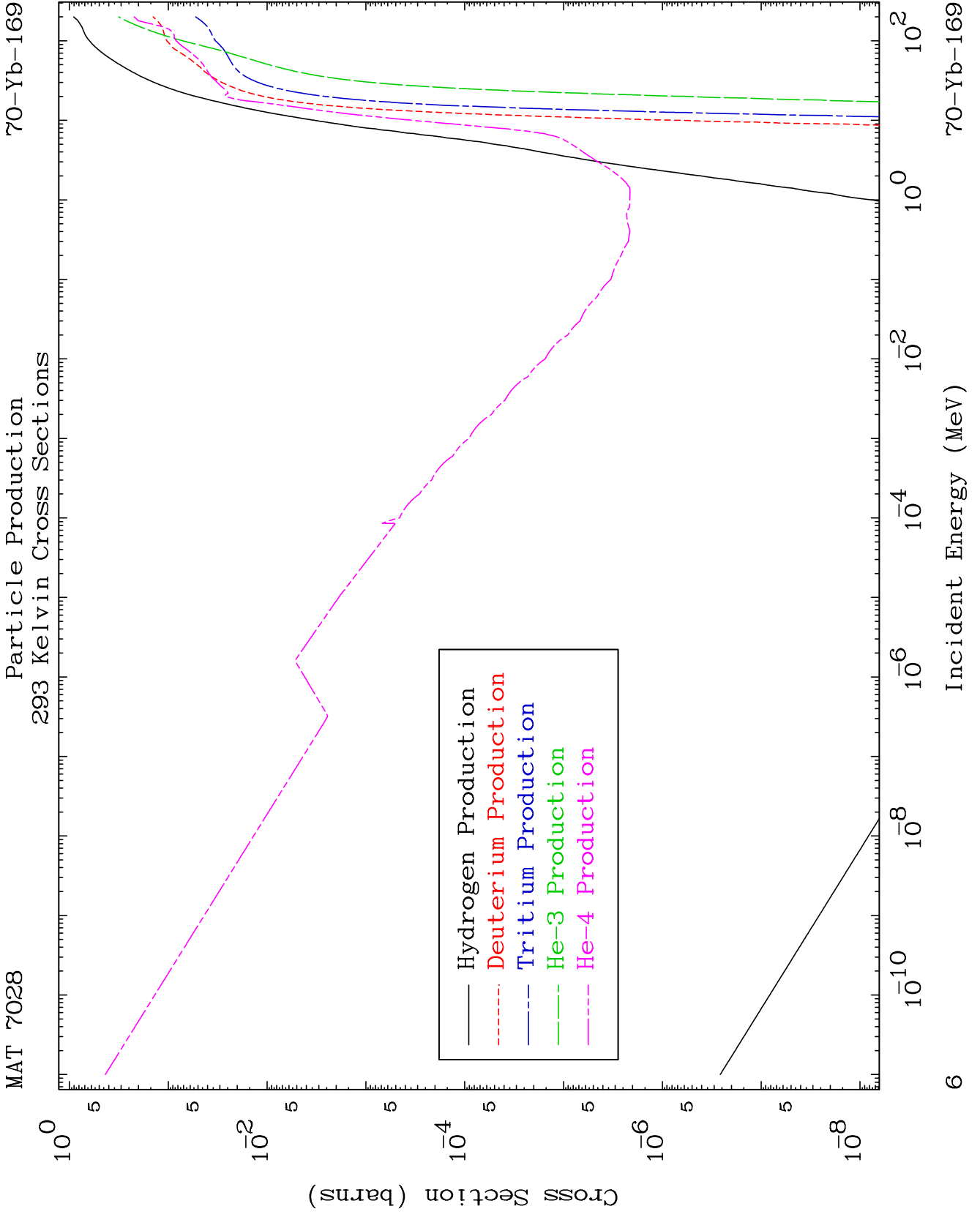


MAT 7028

Charged Particle  
293 Kelvin Cross Sections

70-Yb-169



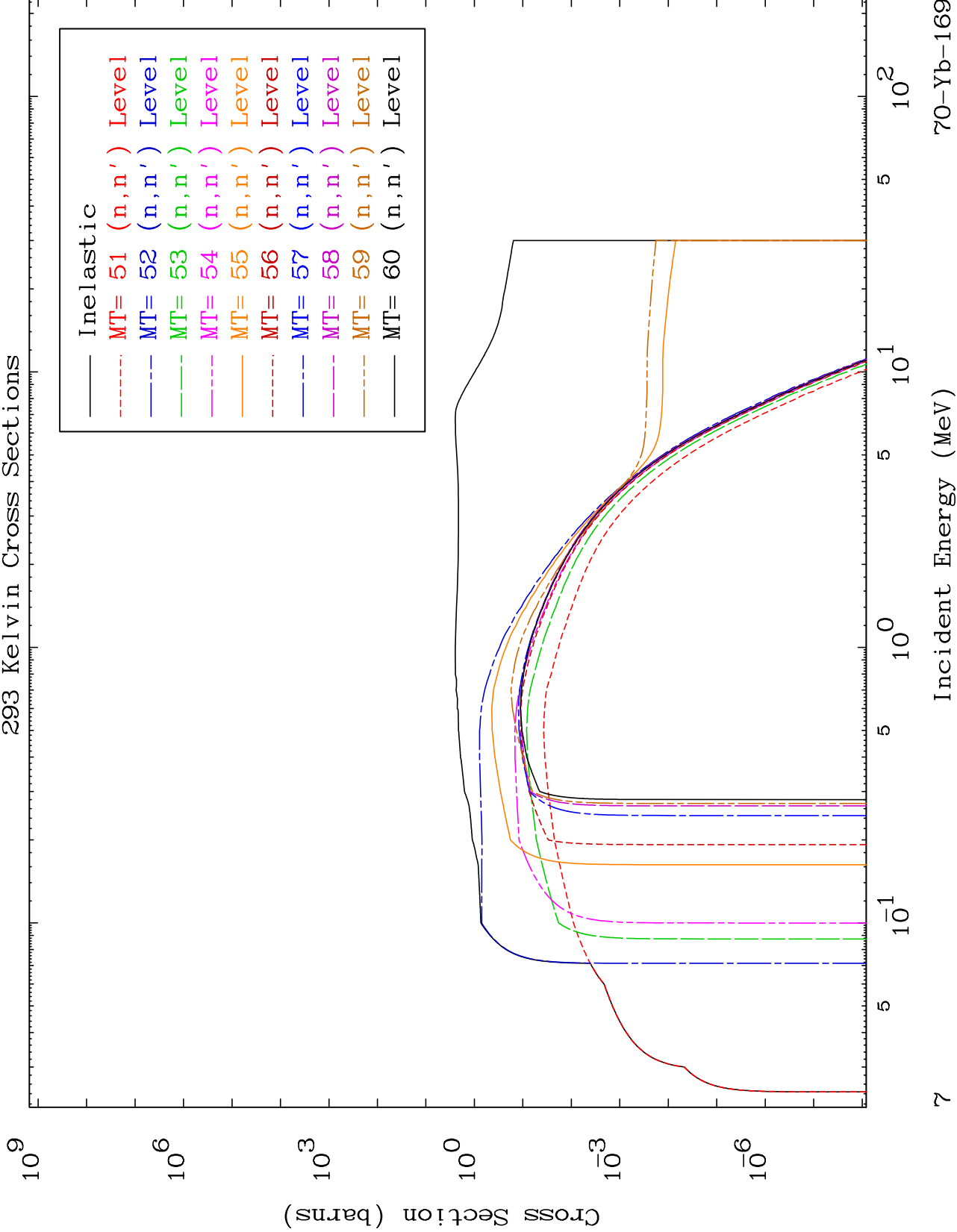


MAT 7028

(n,n') Level

293 Kelvin Cross Sections

70-Yb-169



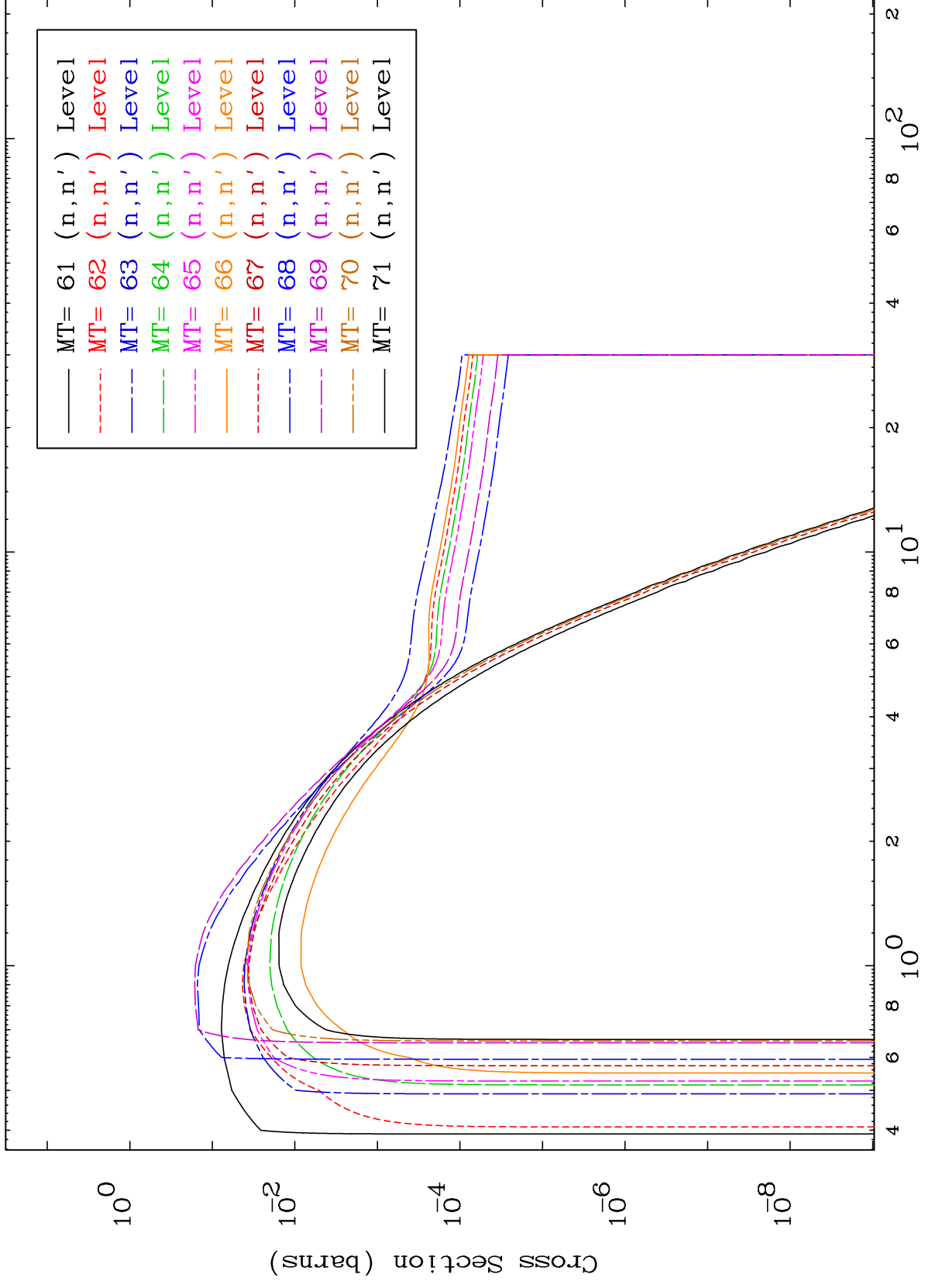


MAT 7028

(n,n') Level

70-Yb-169

293 Kelvin Cross Sections

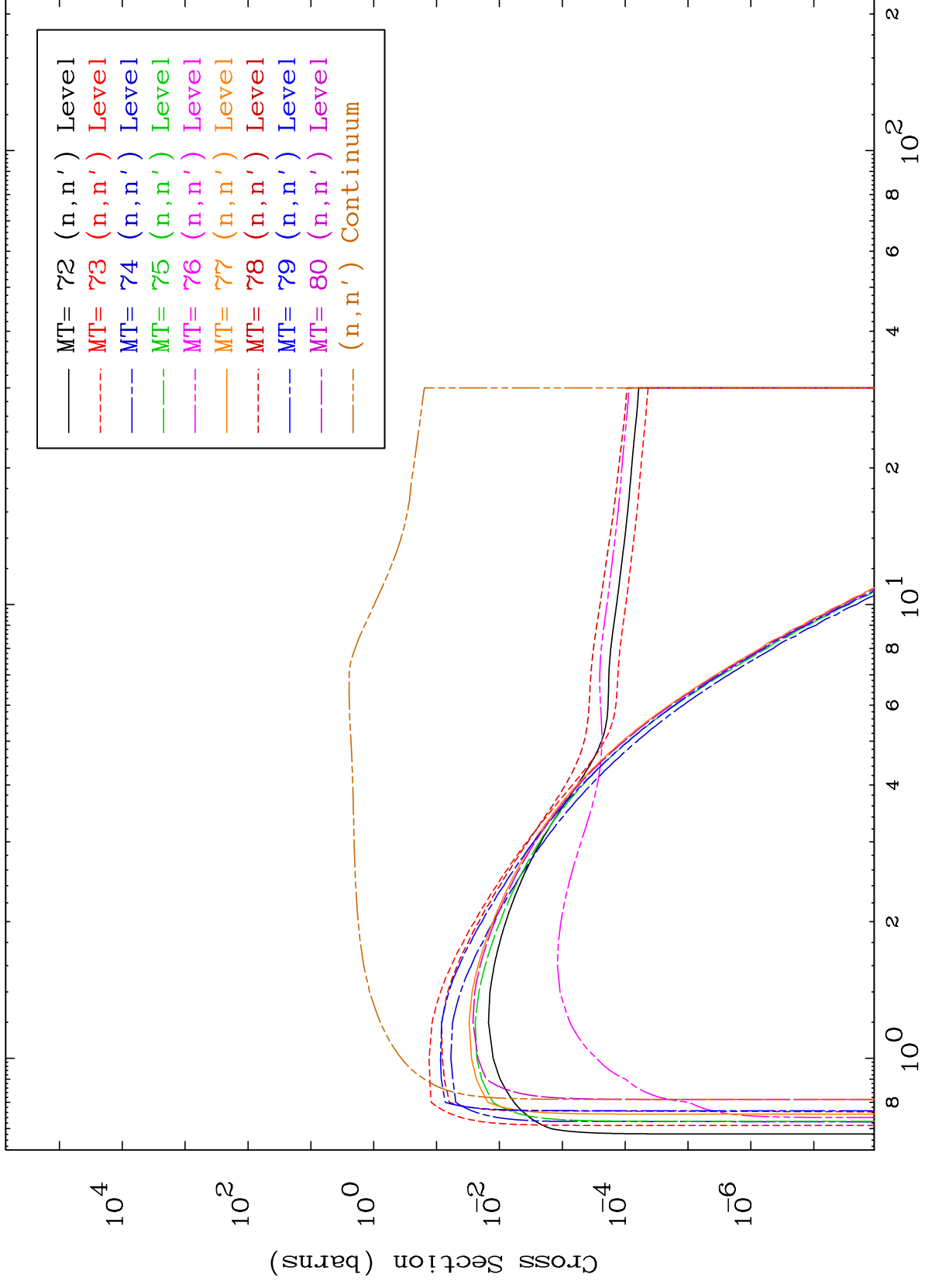


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Incident Energy (MeV)

70-Yb-169

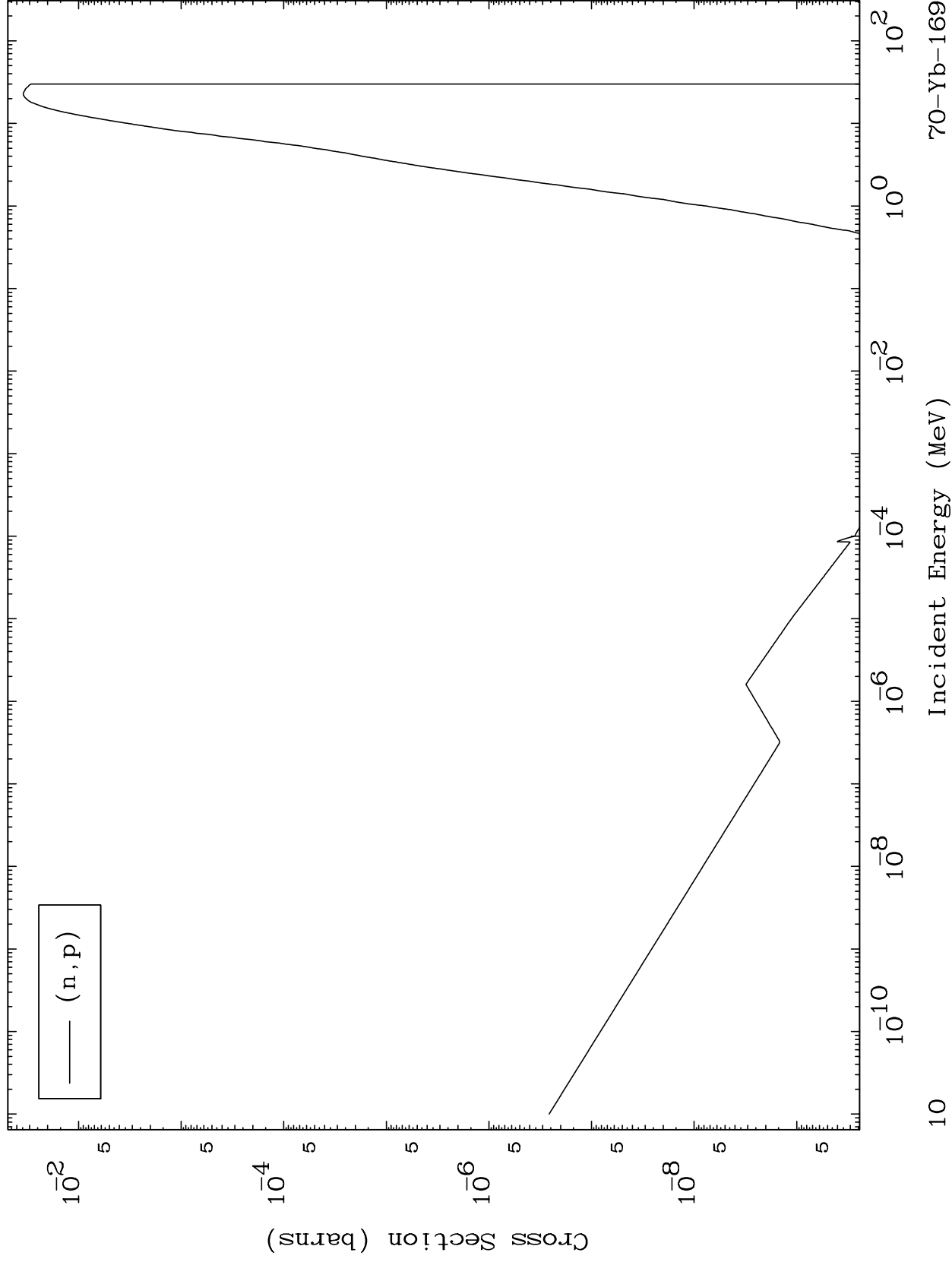
293 Kelvin Cross Sections



MAT 7028

(n,p) Levels  
293 Kelvin Cross Sections

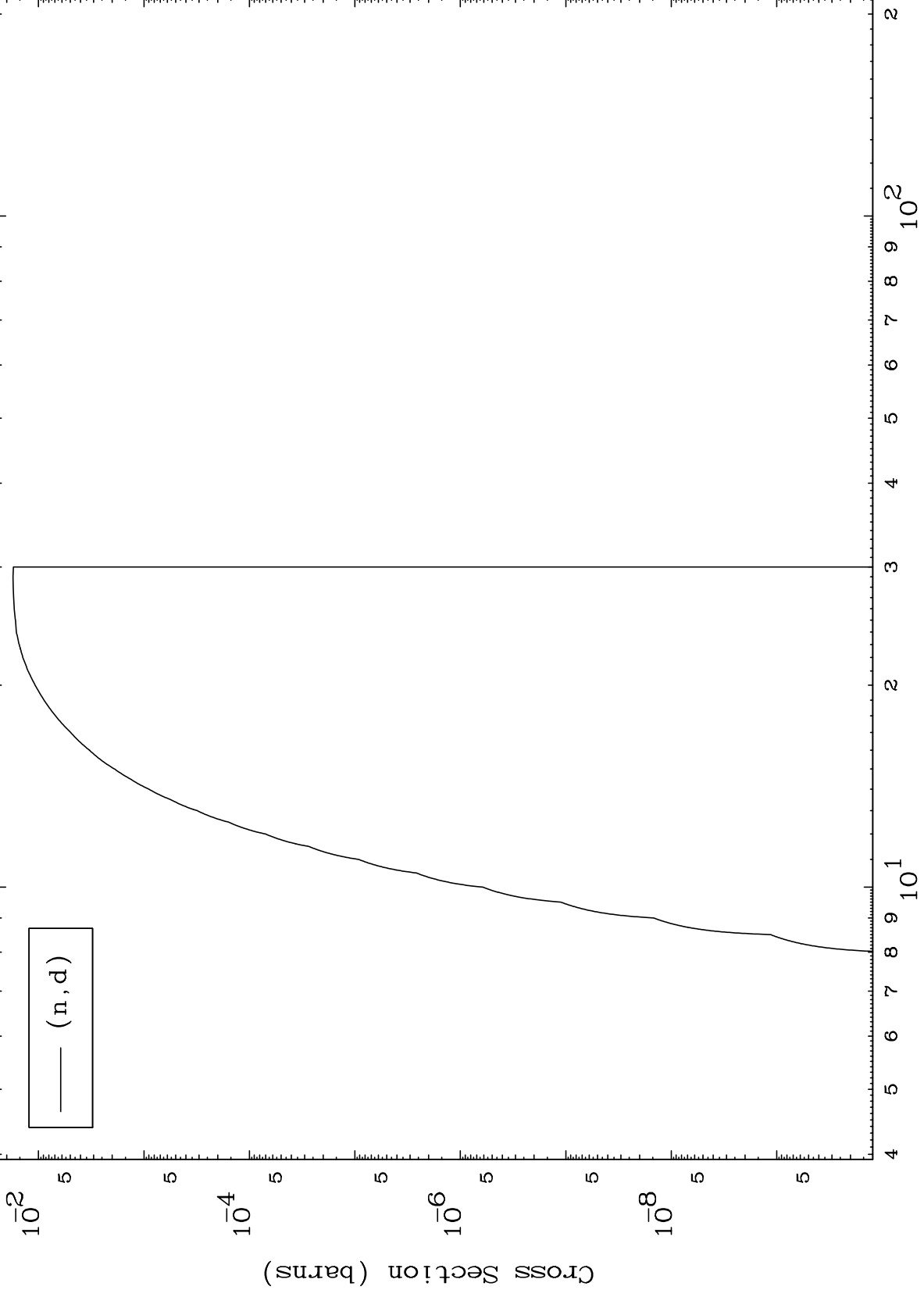
70-Yb-169



MAT 7028

(n,d) Levels  
293 Kelvin Cross Sections

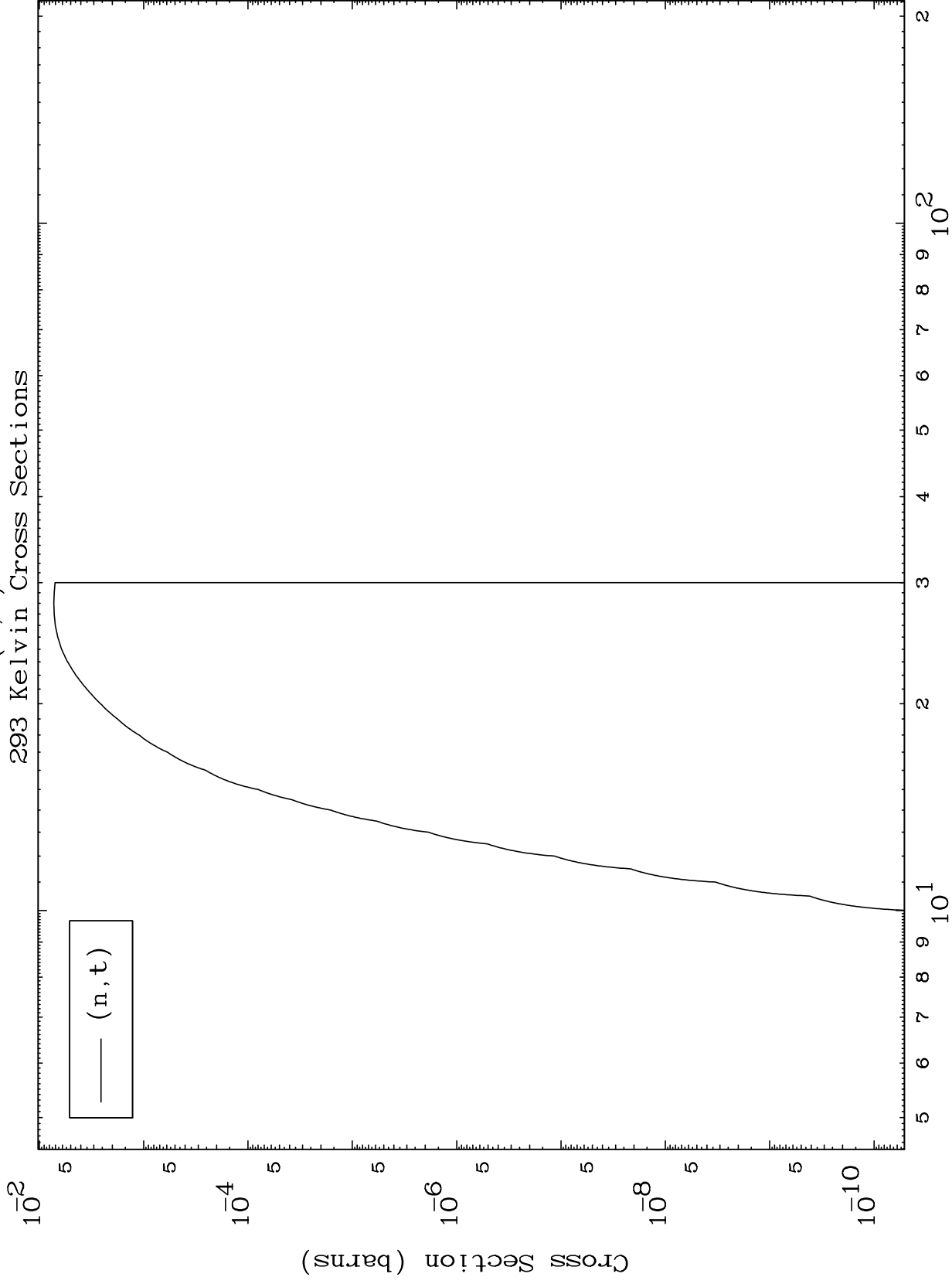
70-Yb-169



MAT 7028

(n,t) Levels  
293 Kelvin Cross Sections

70-Yb-169



12

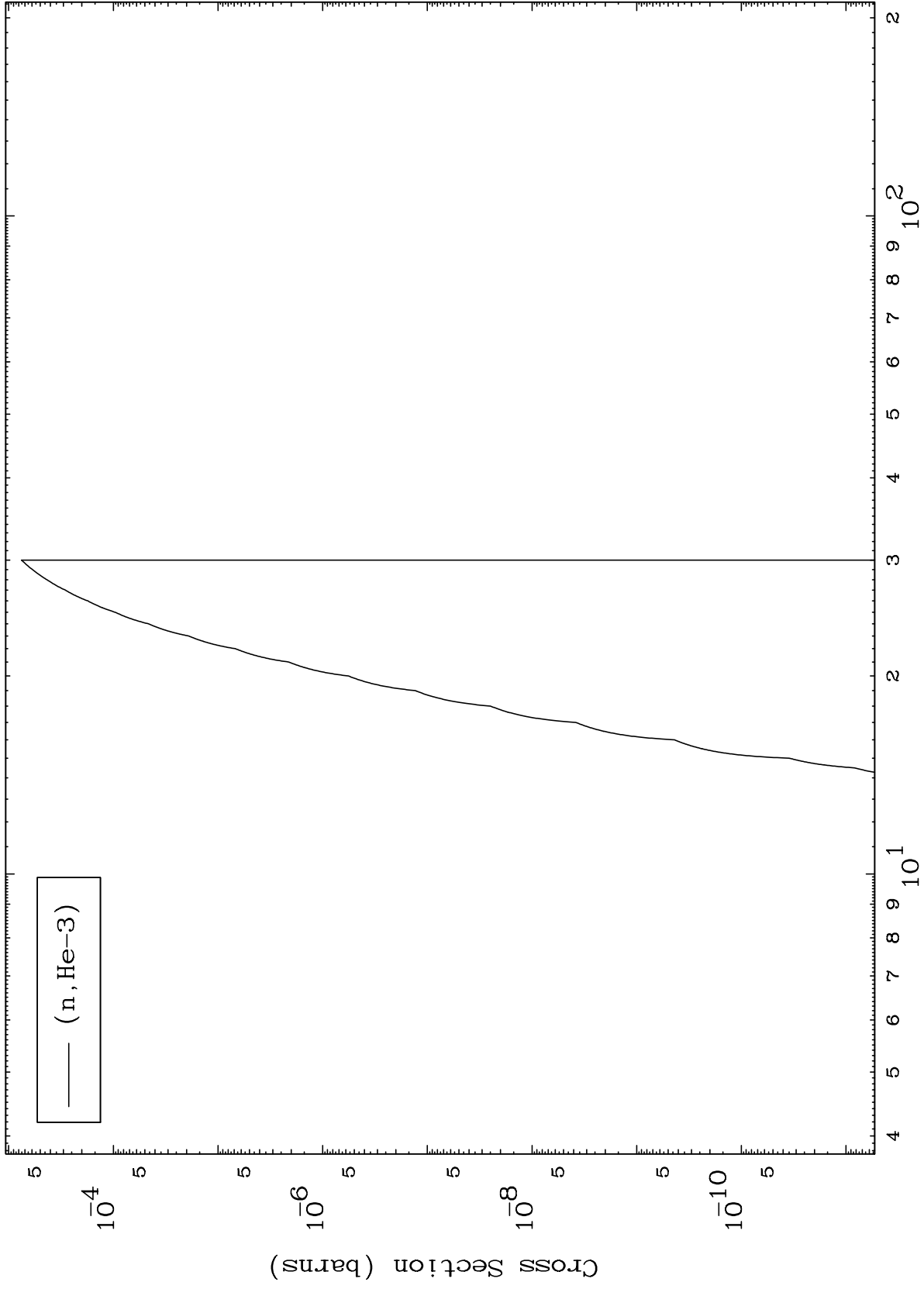
Incident Energy (MeV)

70-Yb-169

MAT 7028

(n,He3) Levels  
293 Kelvin Cross Sections

70-Yb-169



13

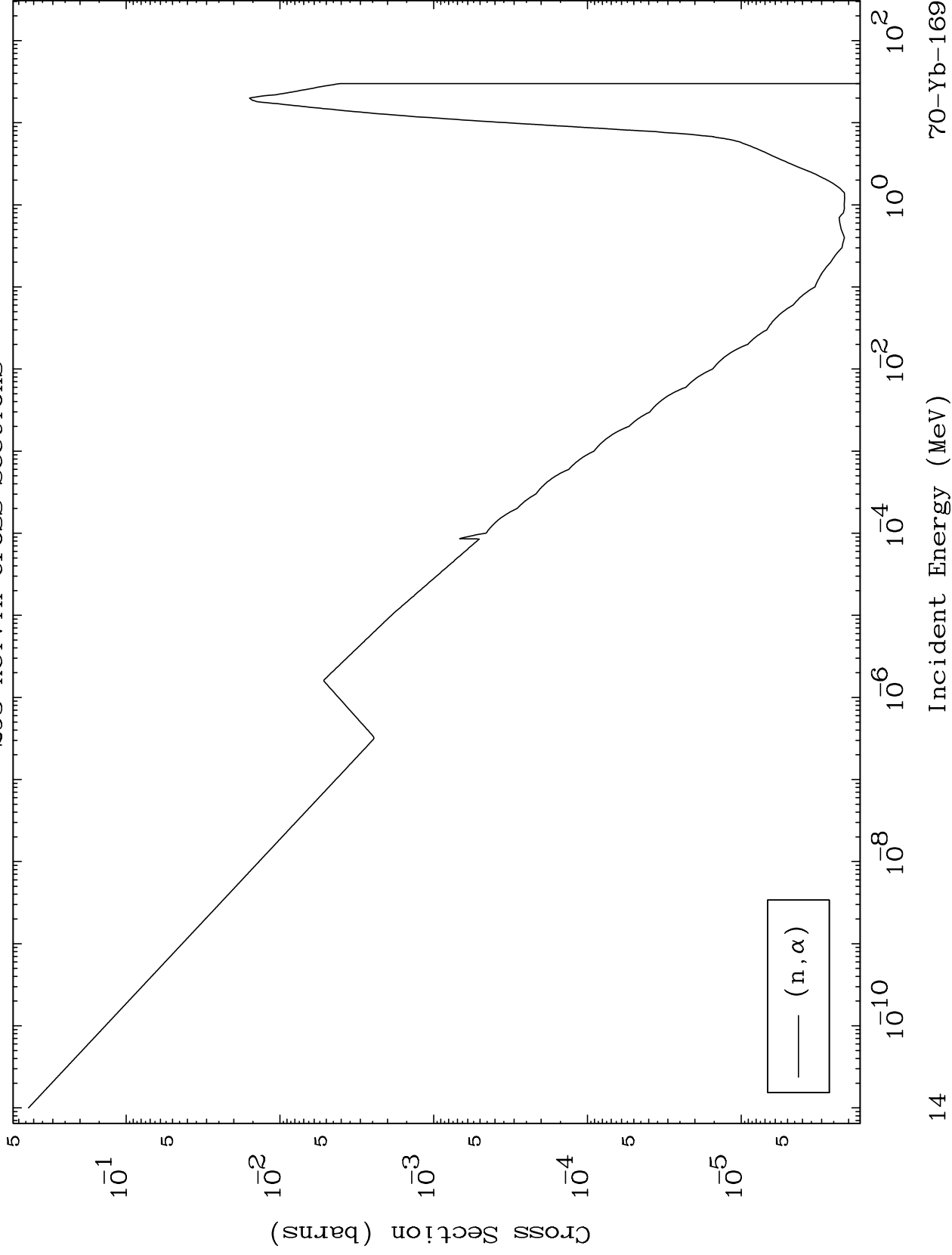
Incident Energy (MeV)

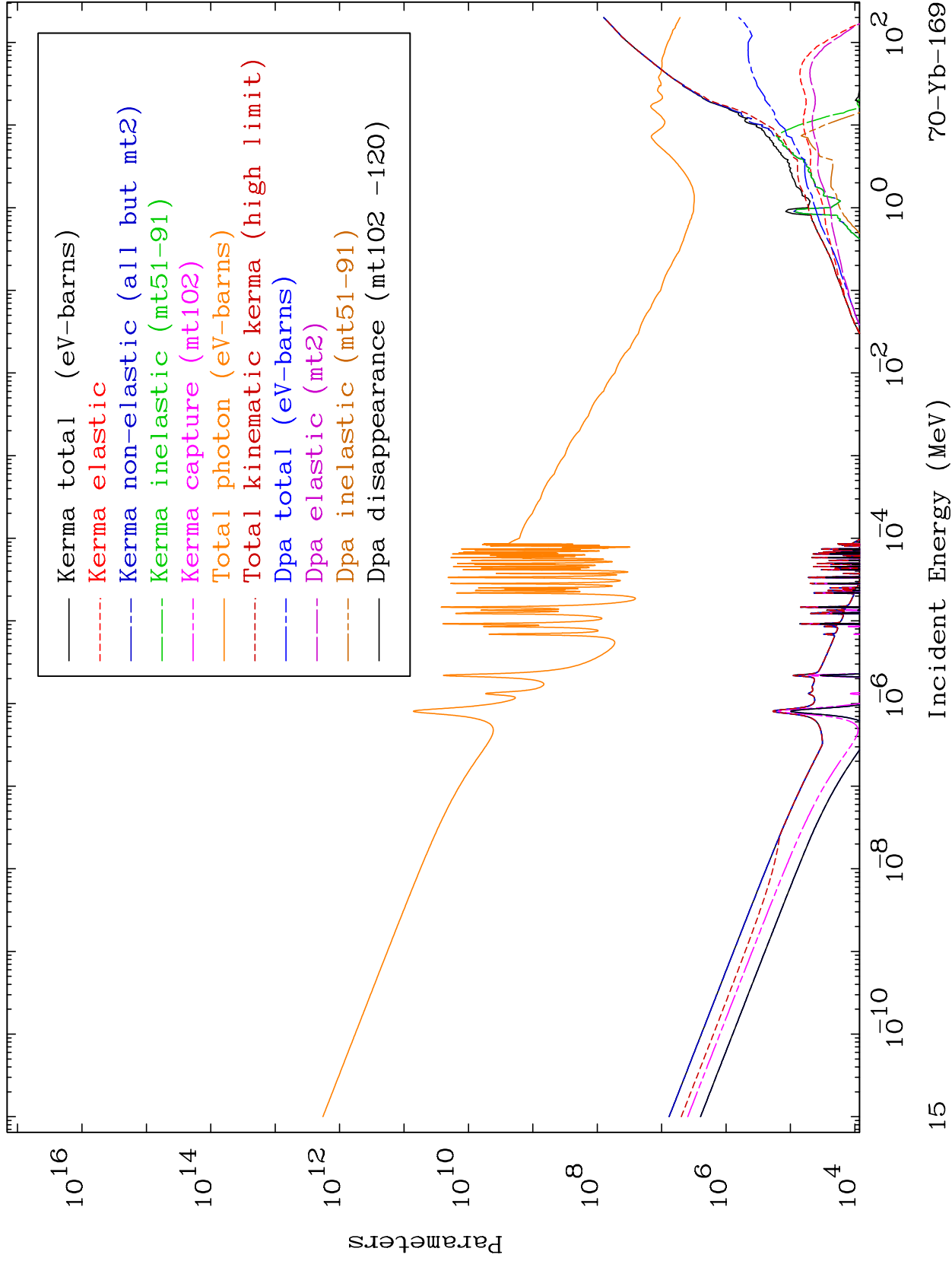
70-Yb-169

MAT 7028

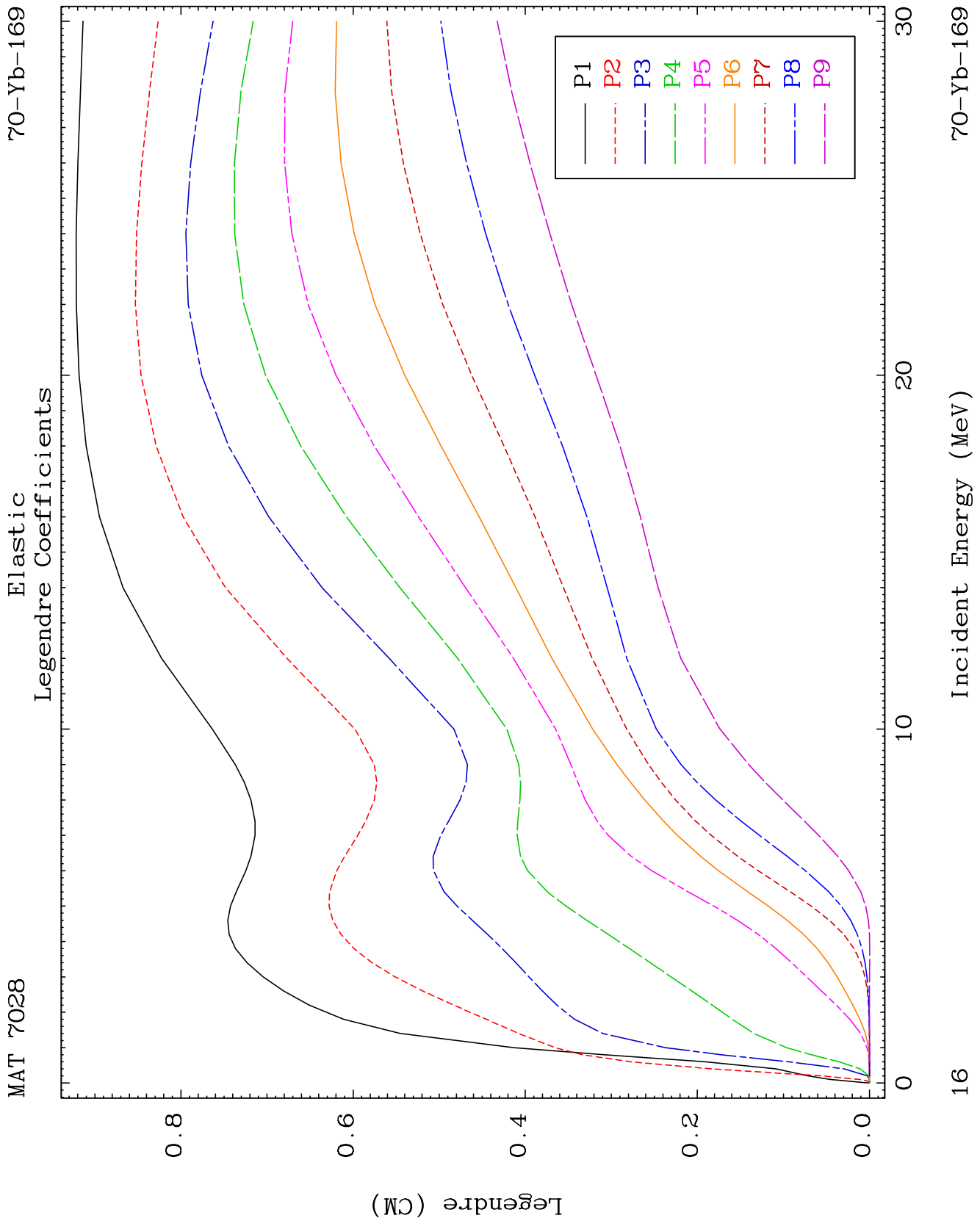
(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

70-Yb-169





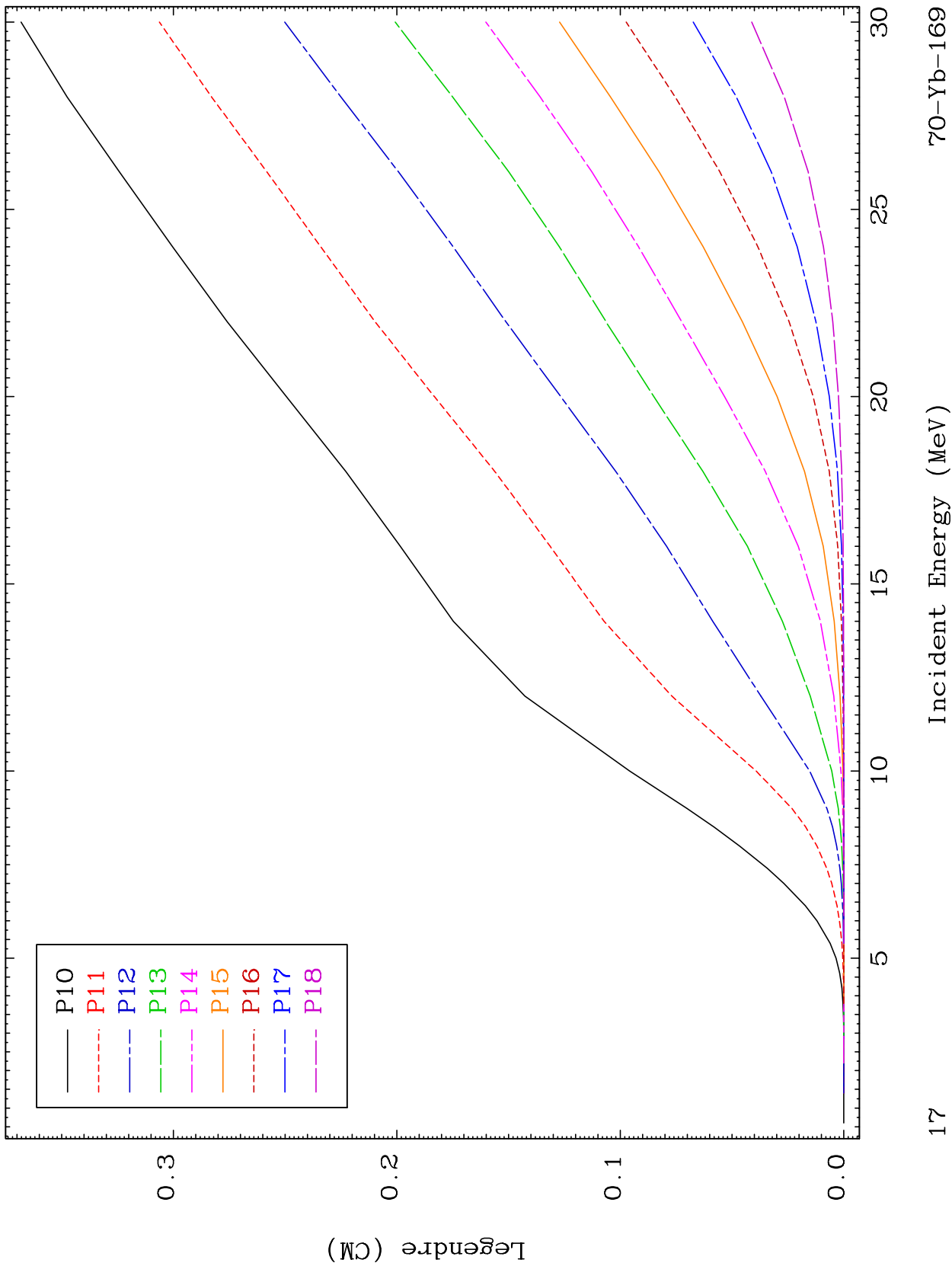




MAT 7028

Elastic Legendre Coefficients

70-Yb-169



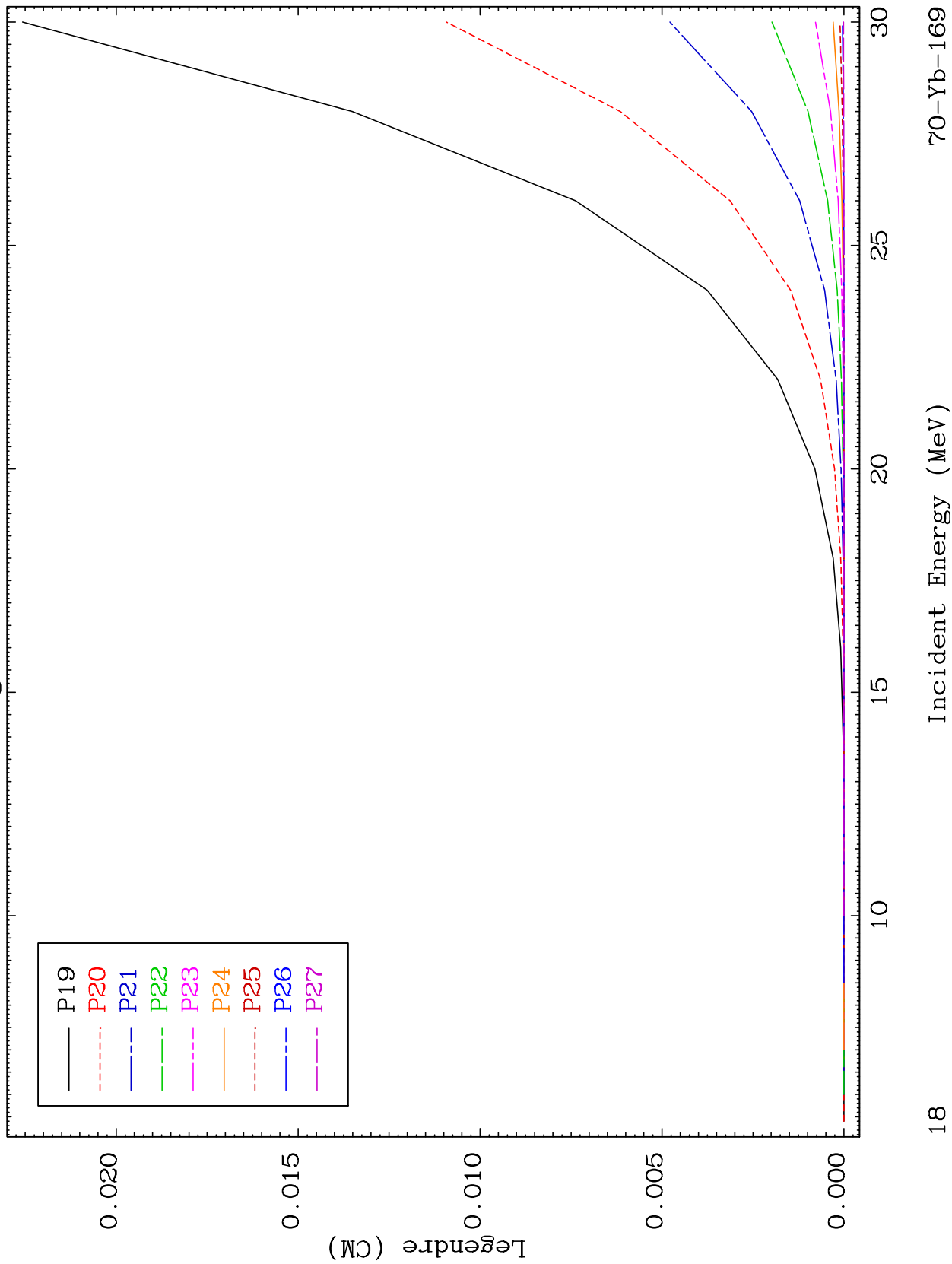
17

70-Yb-169

MAT 7028

### Elastic Legendre Coefficients

70-Yb-169



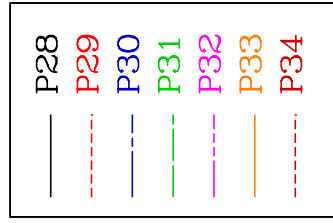
18

70-Yb-169

MAT 7028

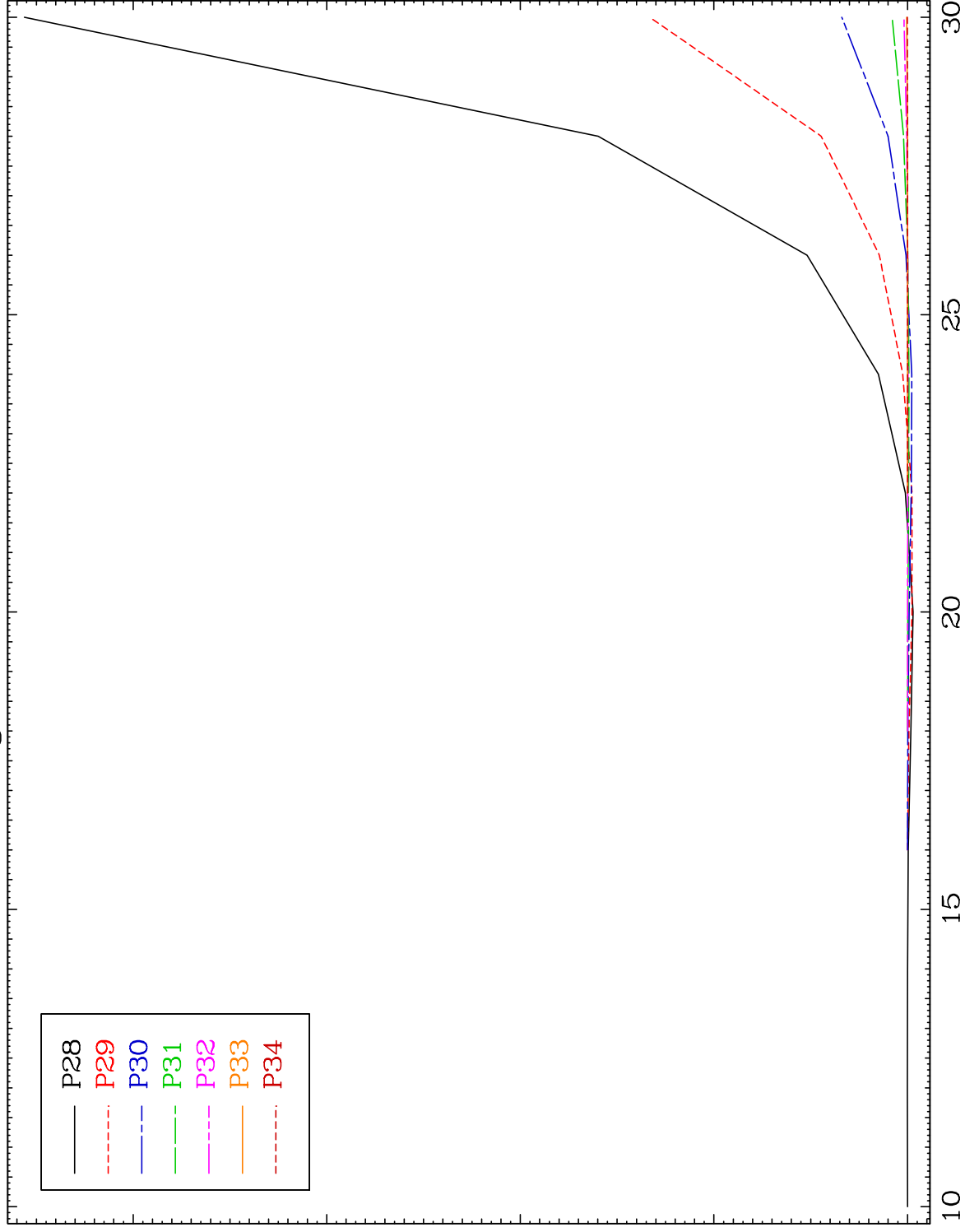
Elastic  
Legendre Coefficients

70-Yb-169



$\times 10^{-6}$

Legendre (CM)



10

15

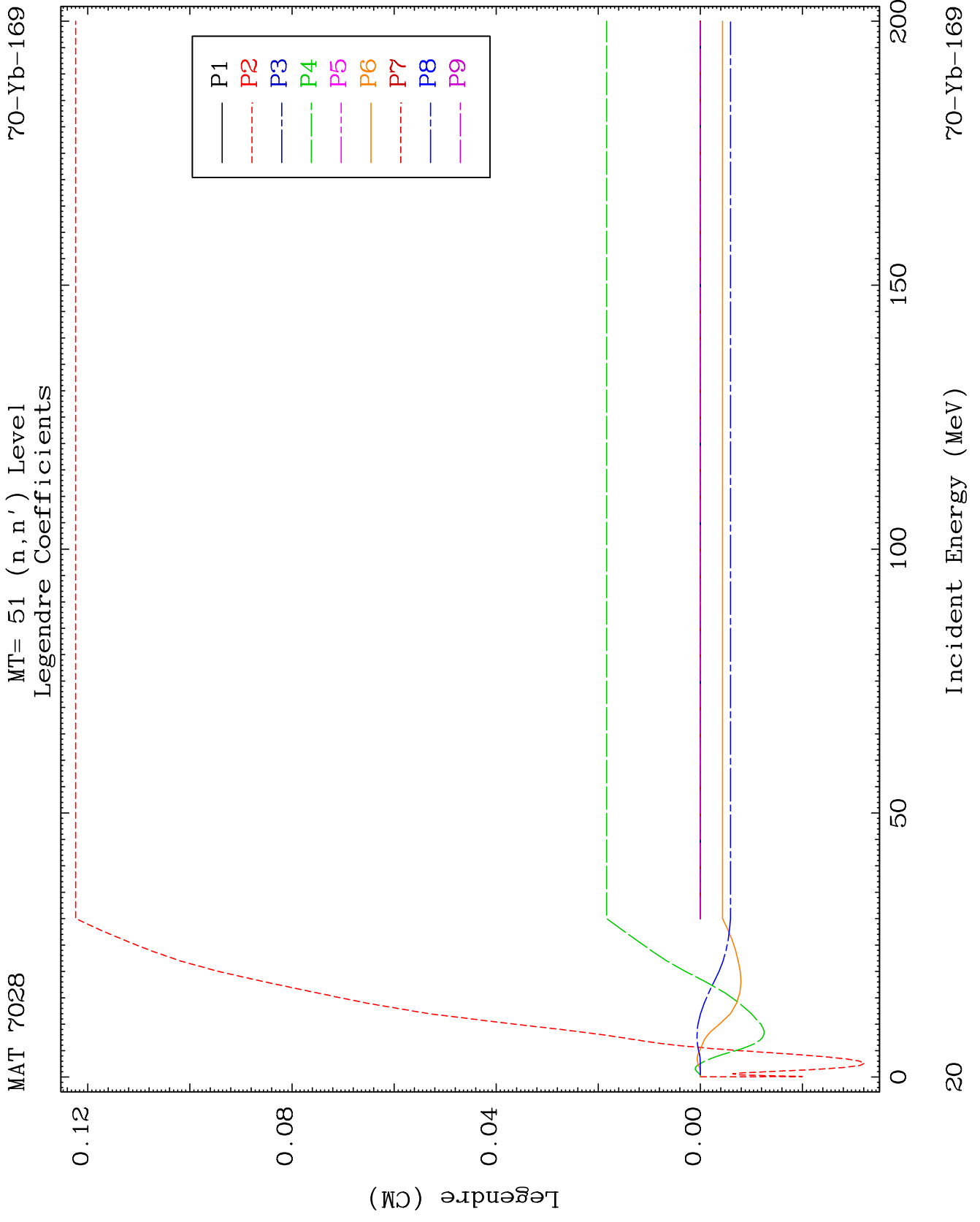
20

25

30

Incident Energy (MeV)

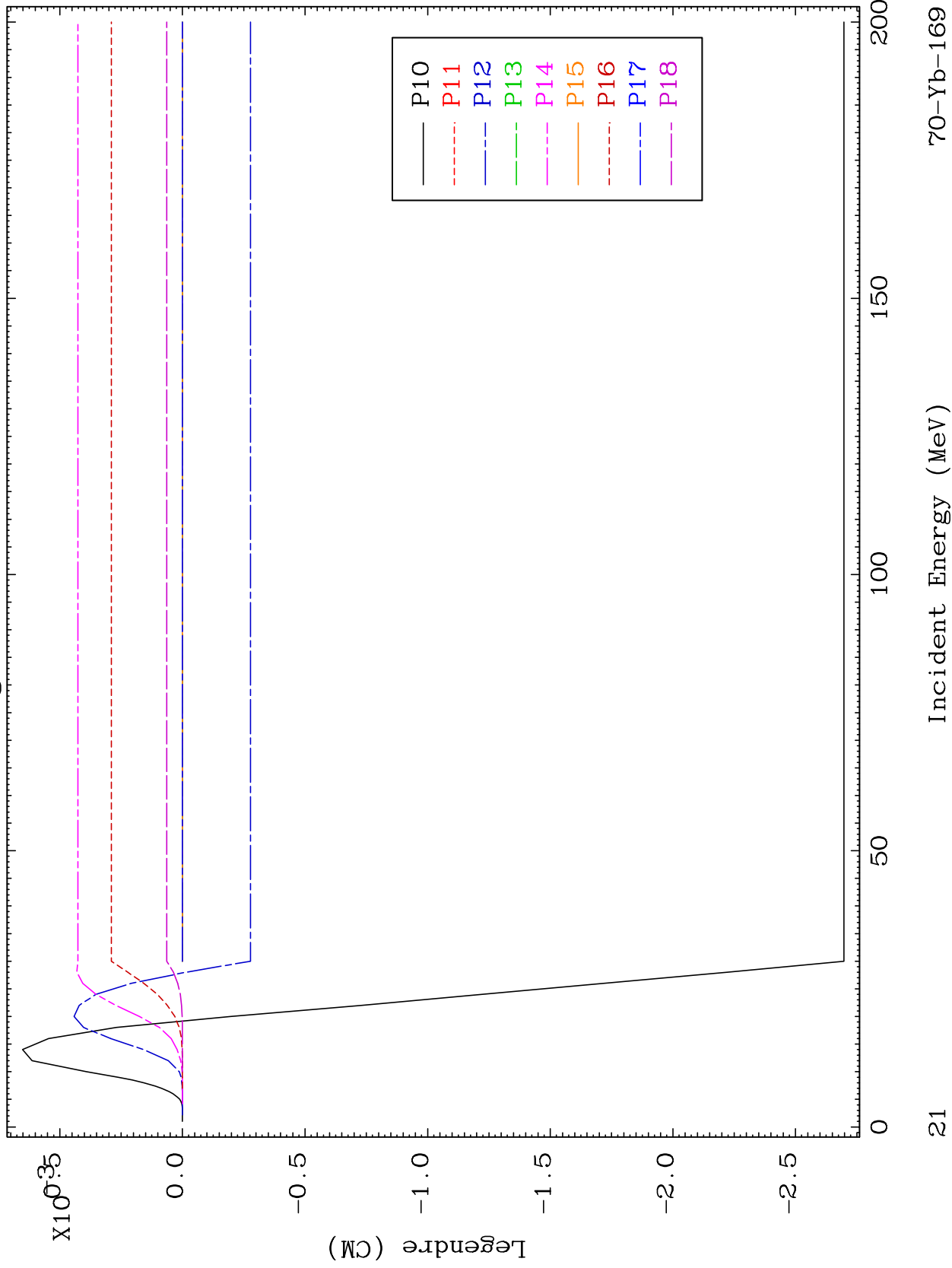
70-Yb-169



MAT 7028

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

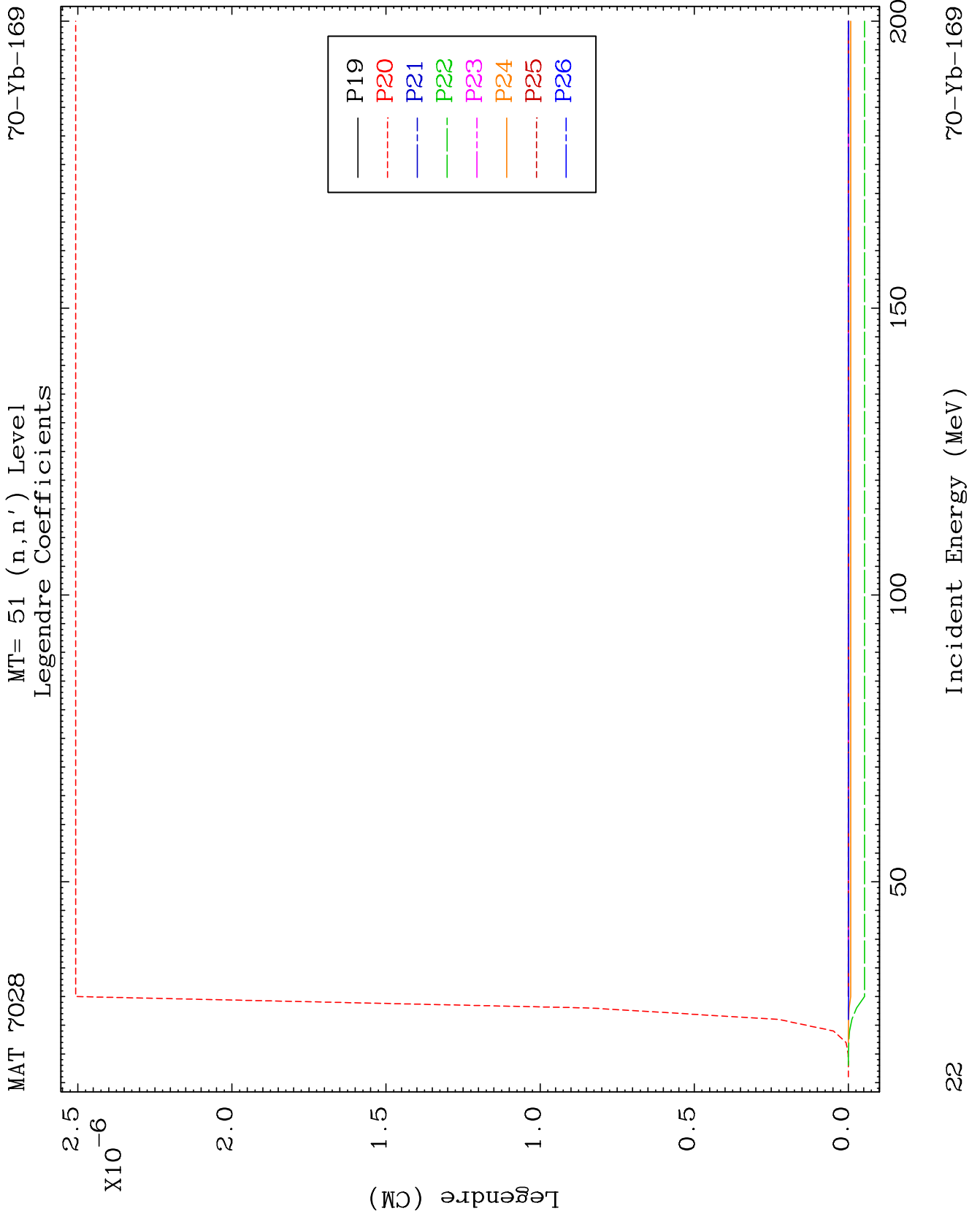
70-Yb-169



21

Incident Energy (MeV)

70-Yb-169





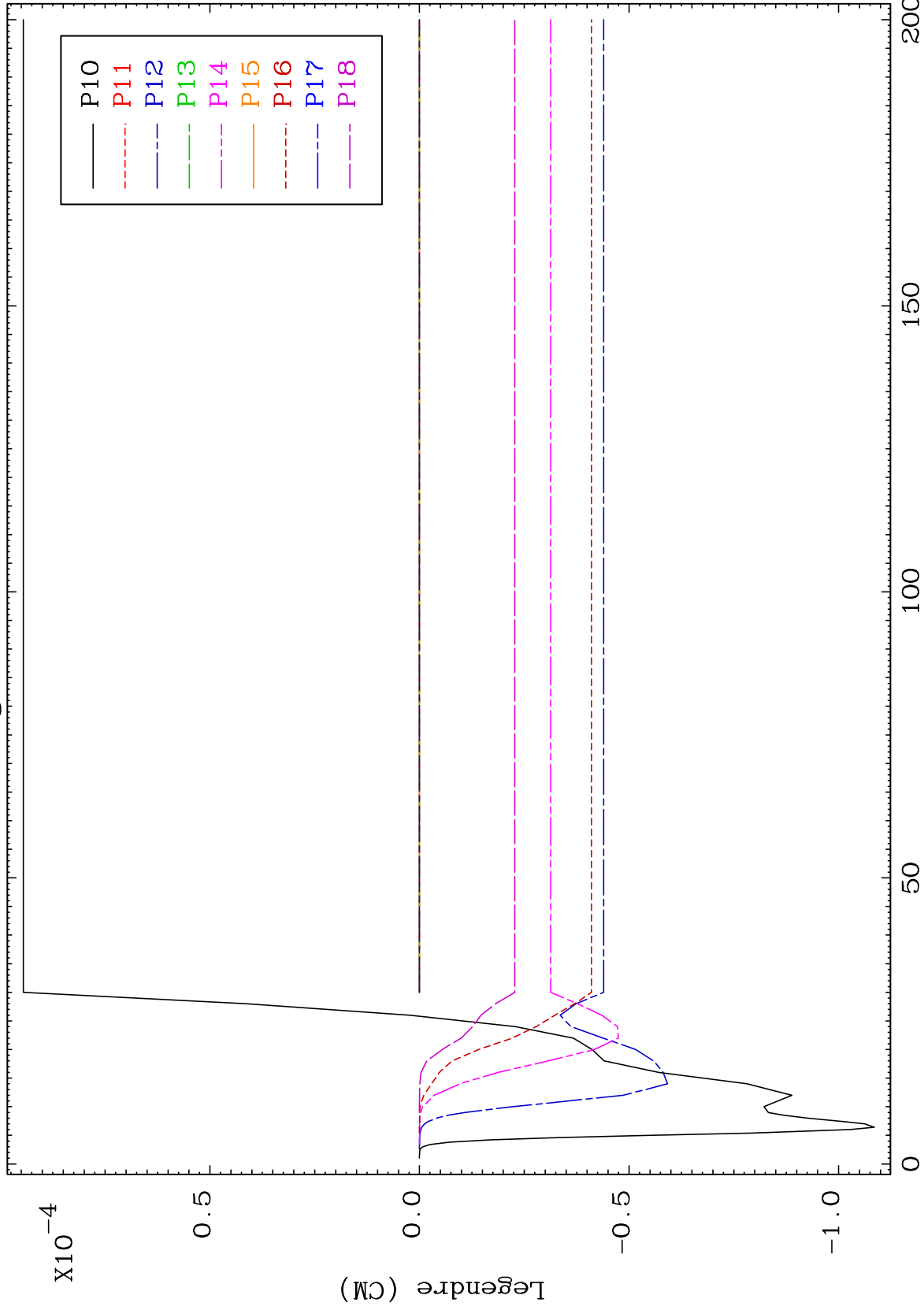


MAT 7028

MT= 52 (n,n') Level

70-Yb-169

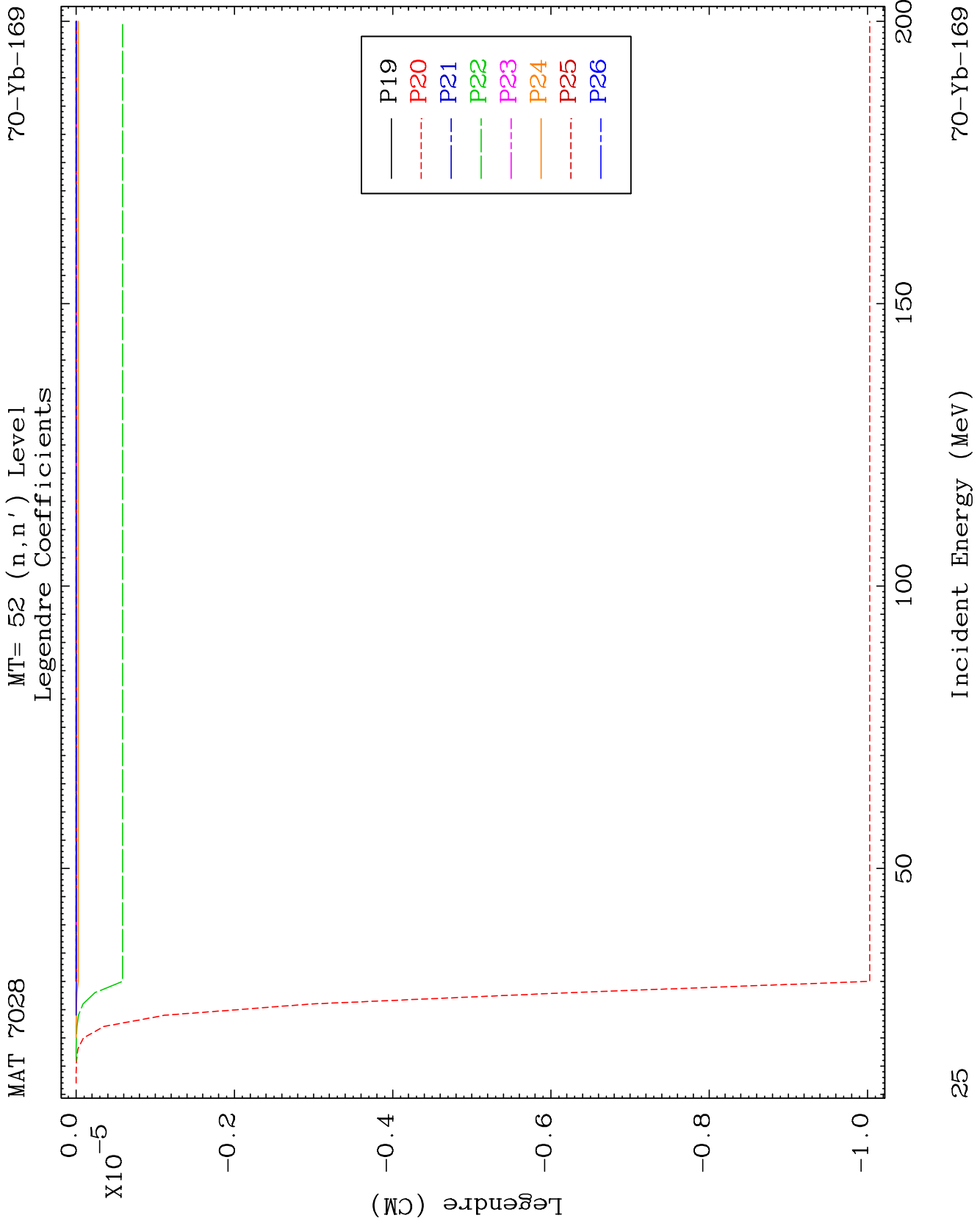
Legendre Coefficients



24

Incident Energy (MeV)

70-Yb-169

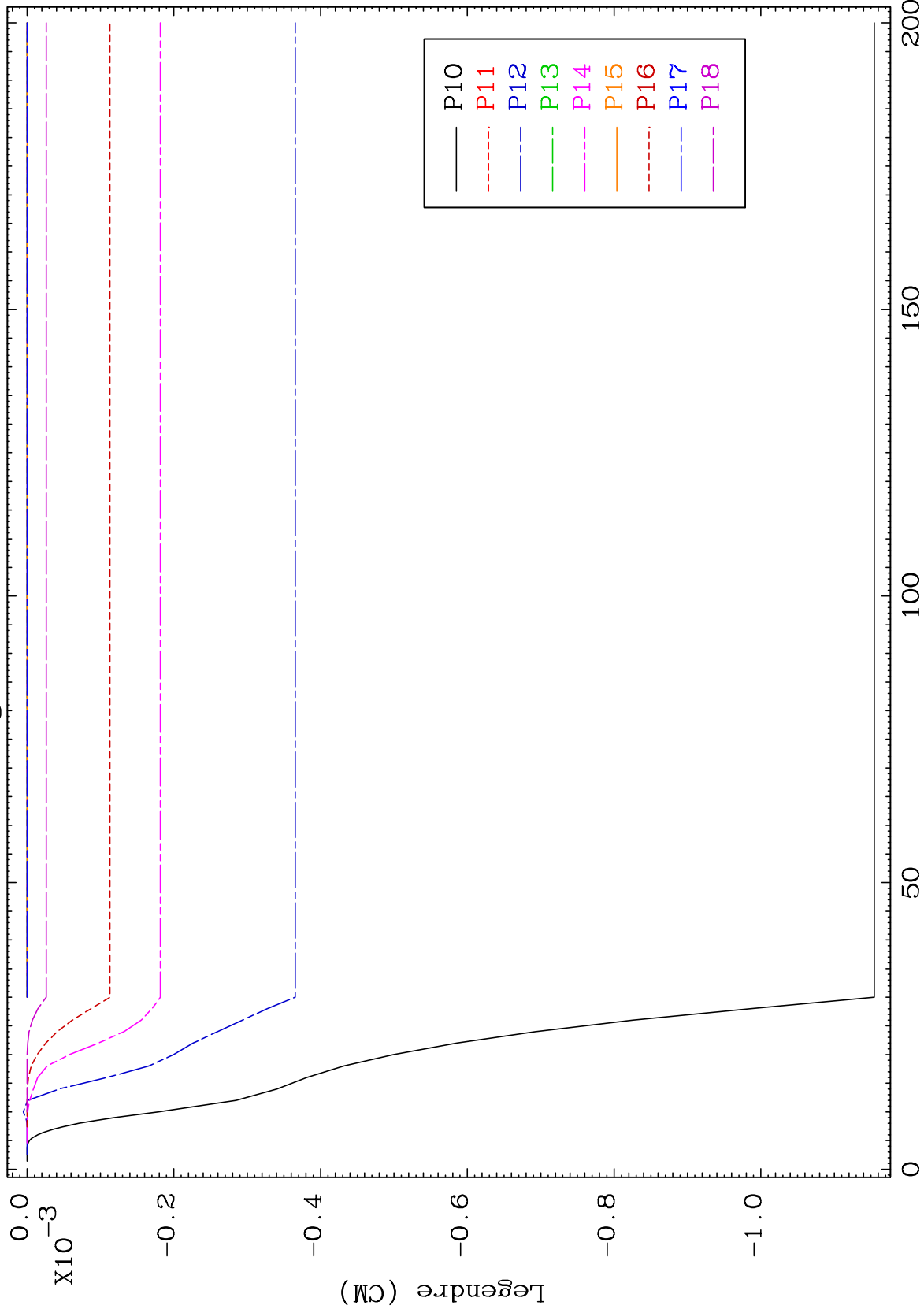




MAT 7028

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

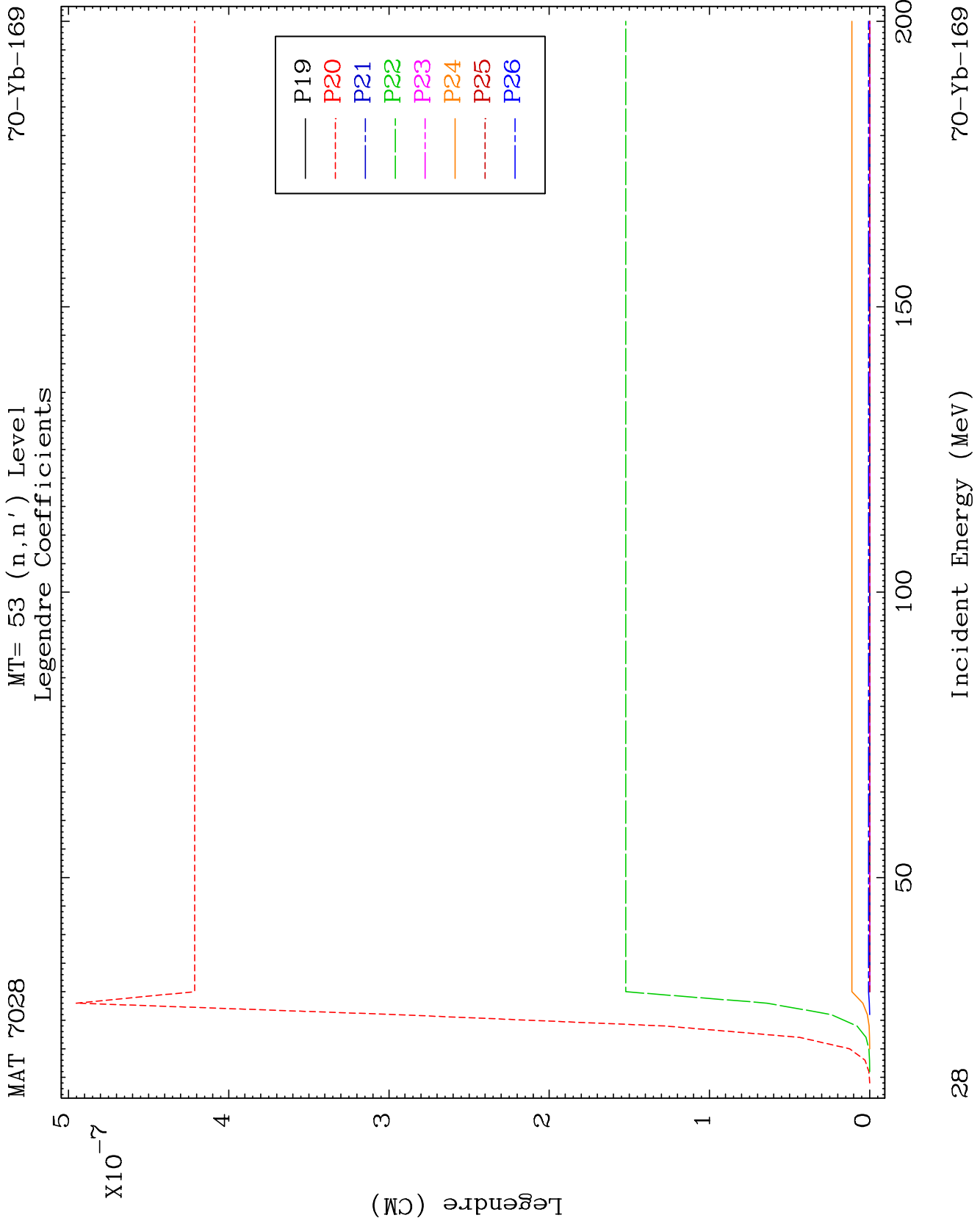
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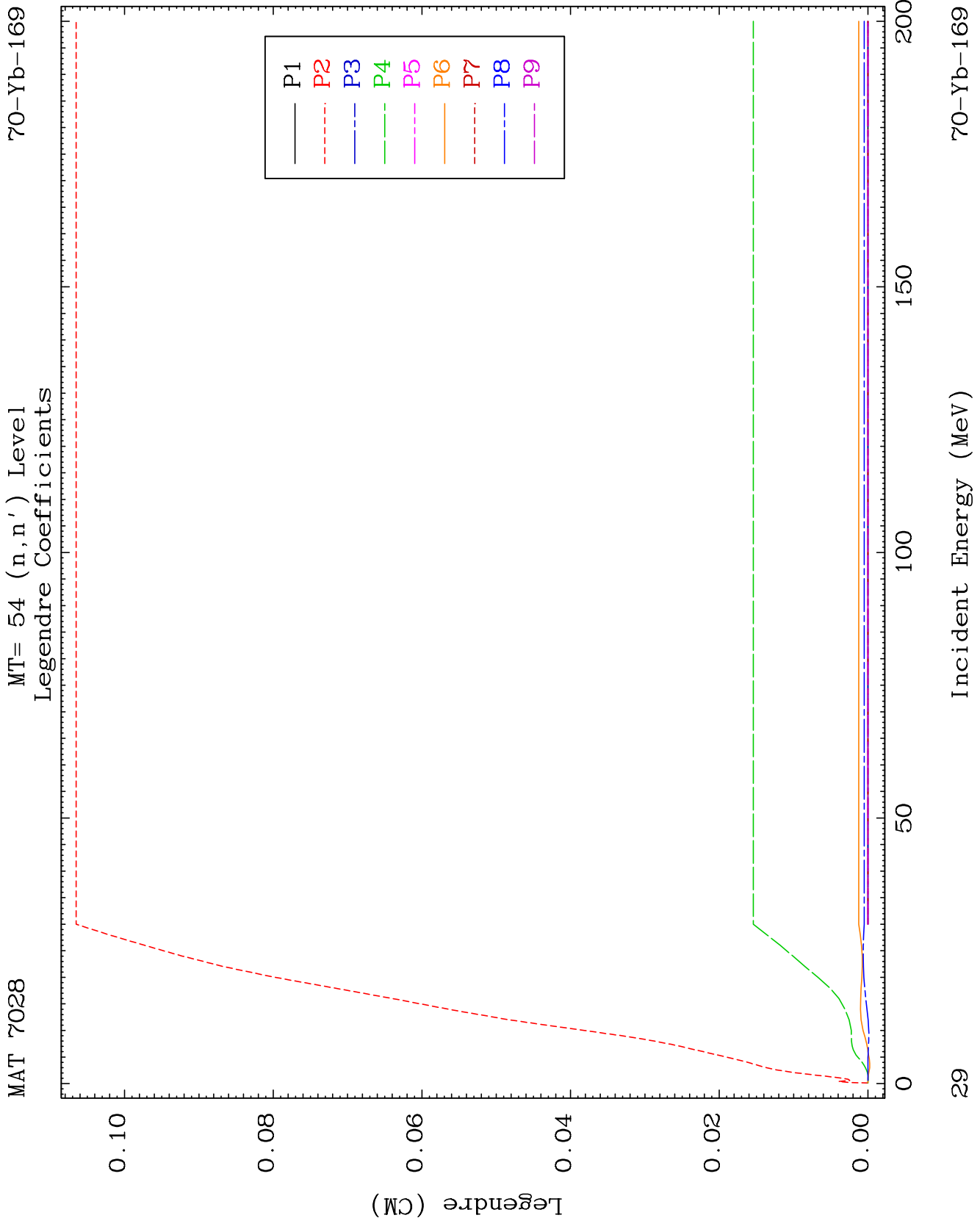


27

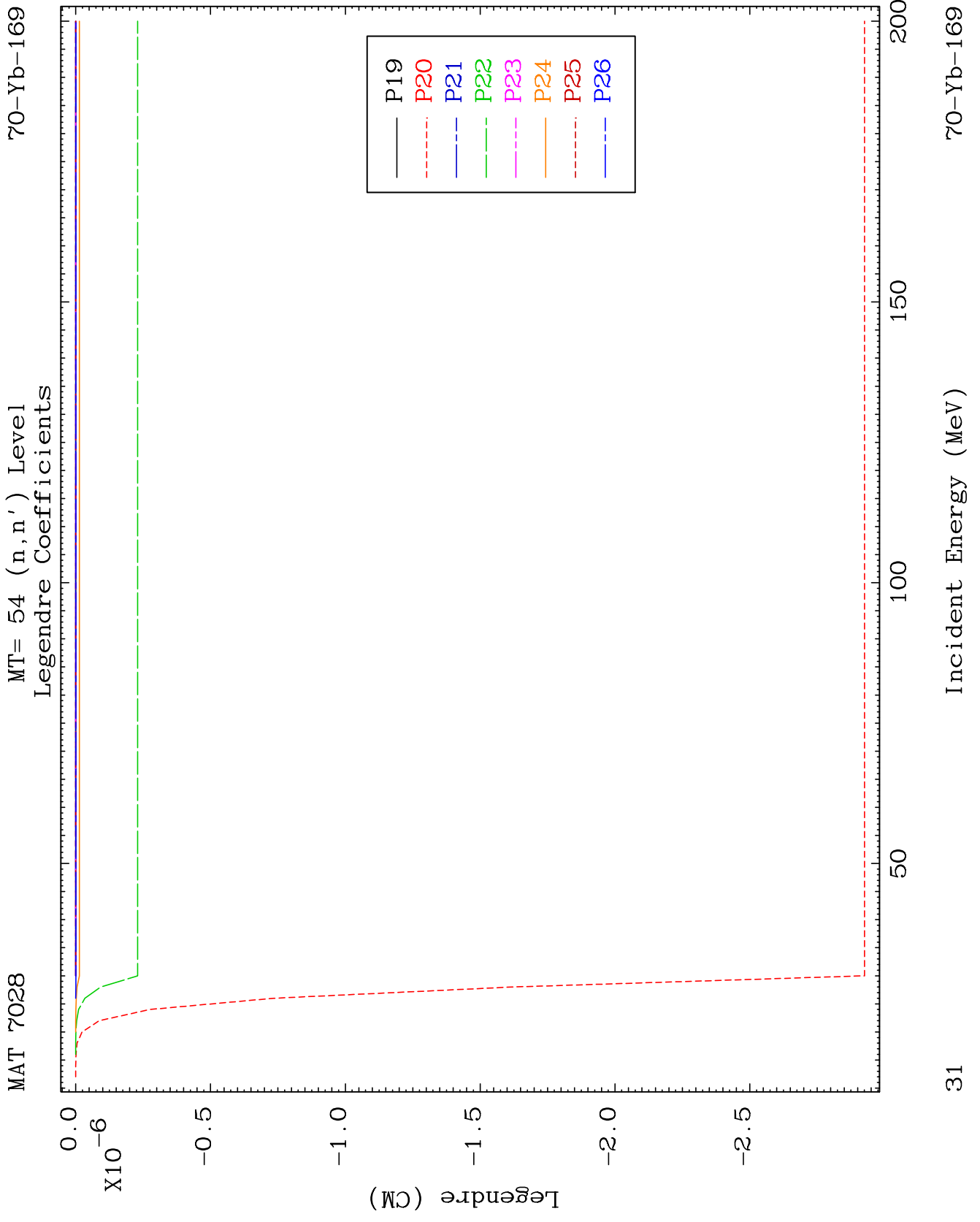
Incident Energy (MeV)

70-Yb-169







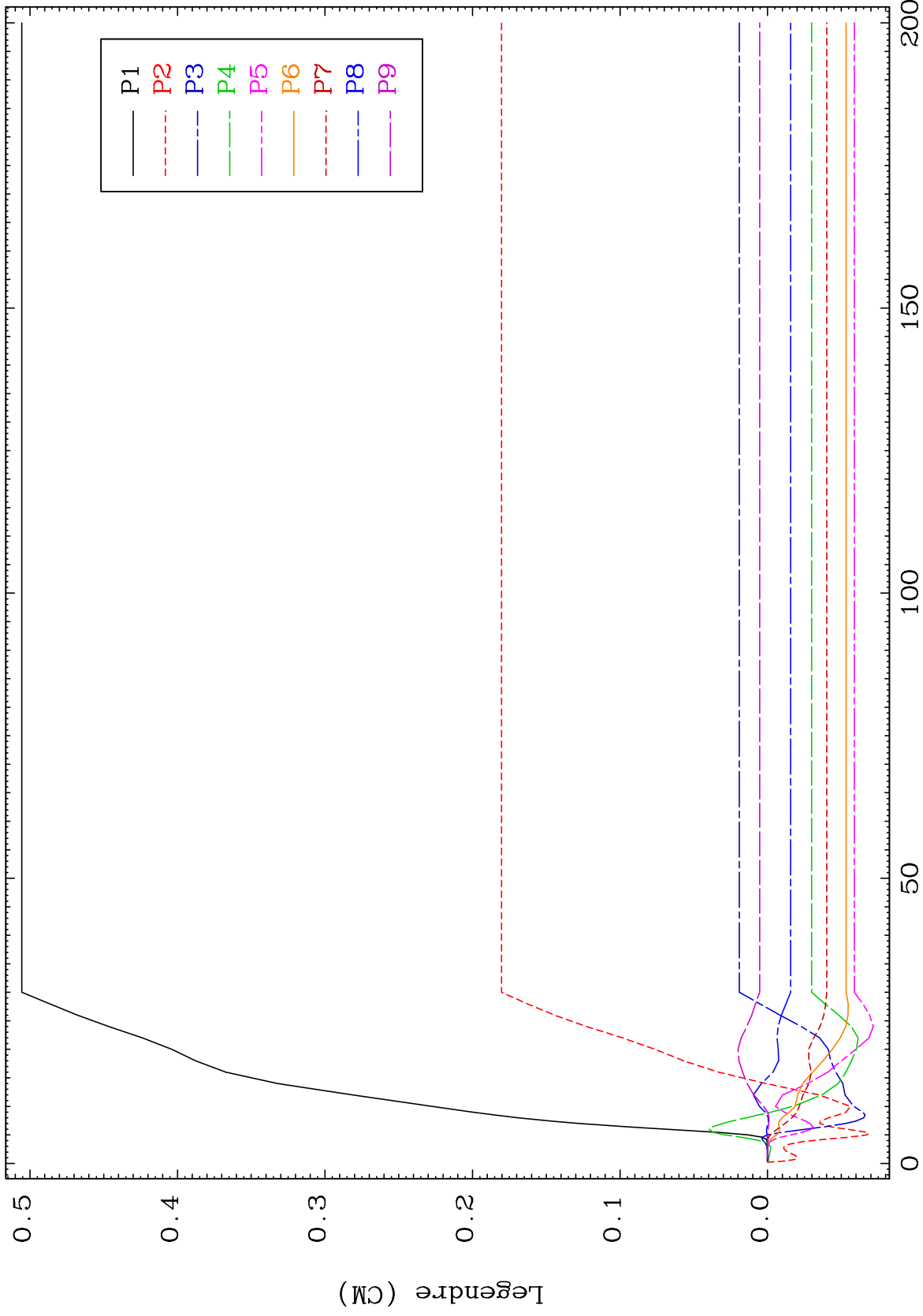




MAT 7028

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

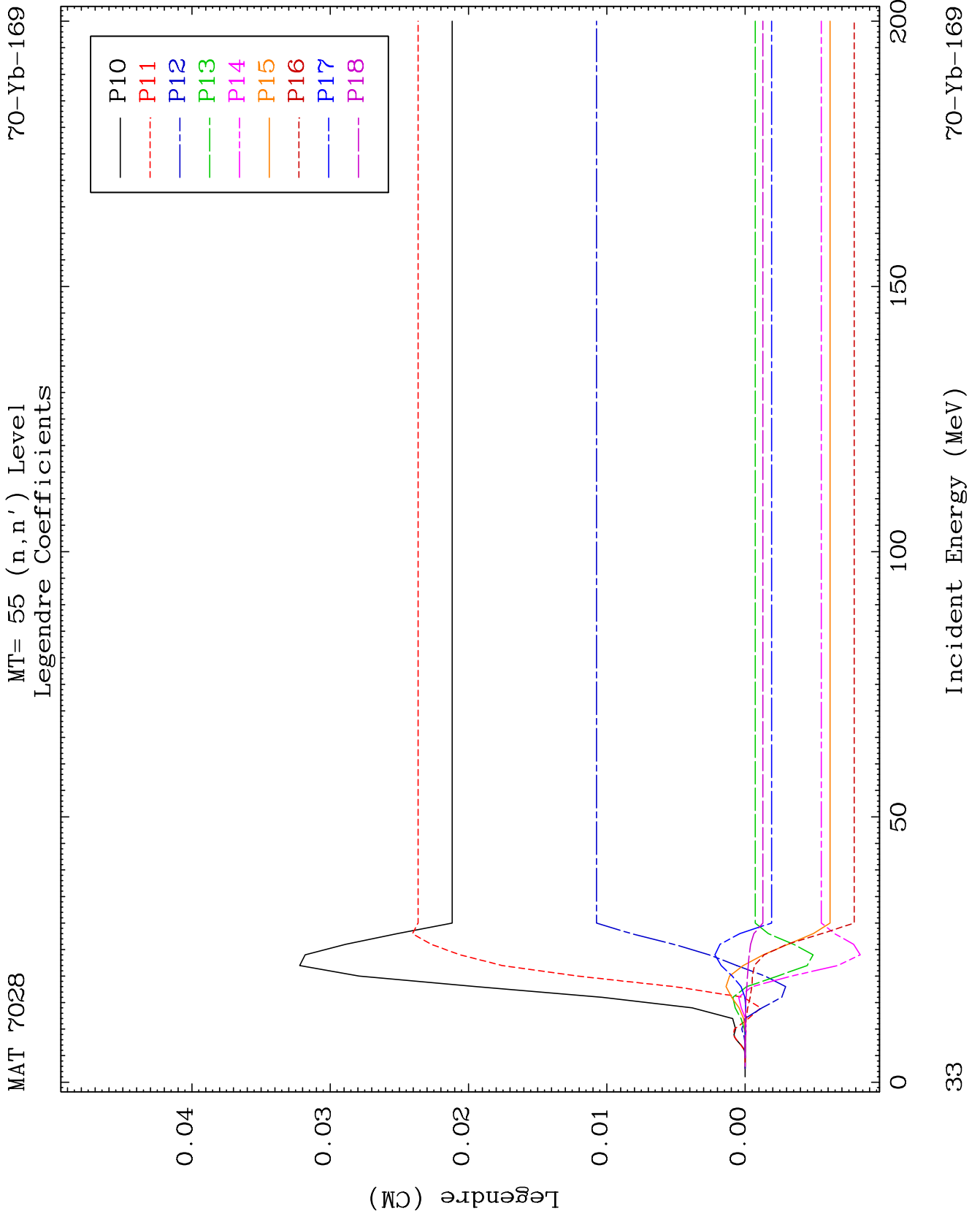
70-Yb-169



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Incident Energy (MeV)

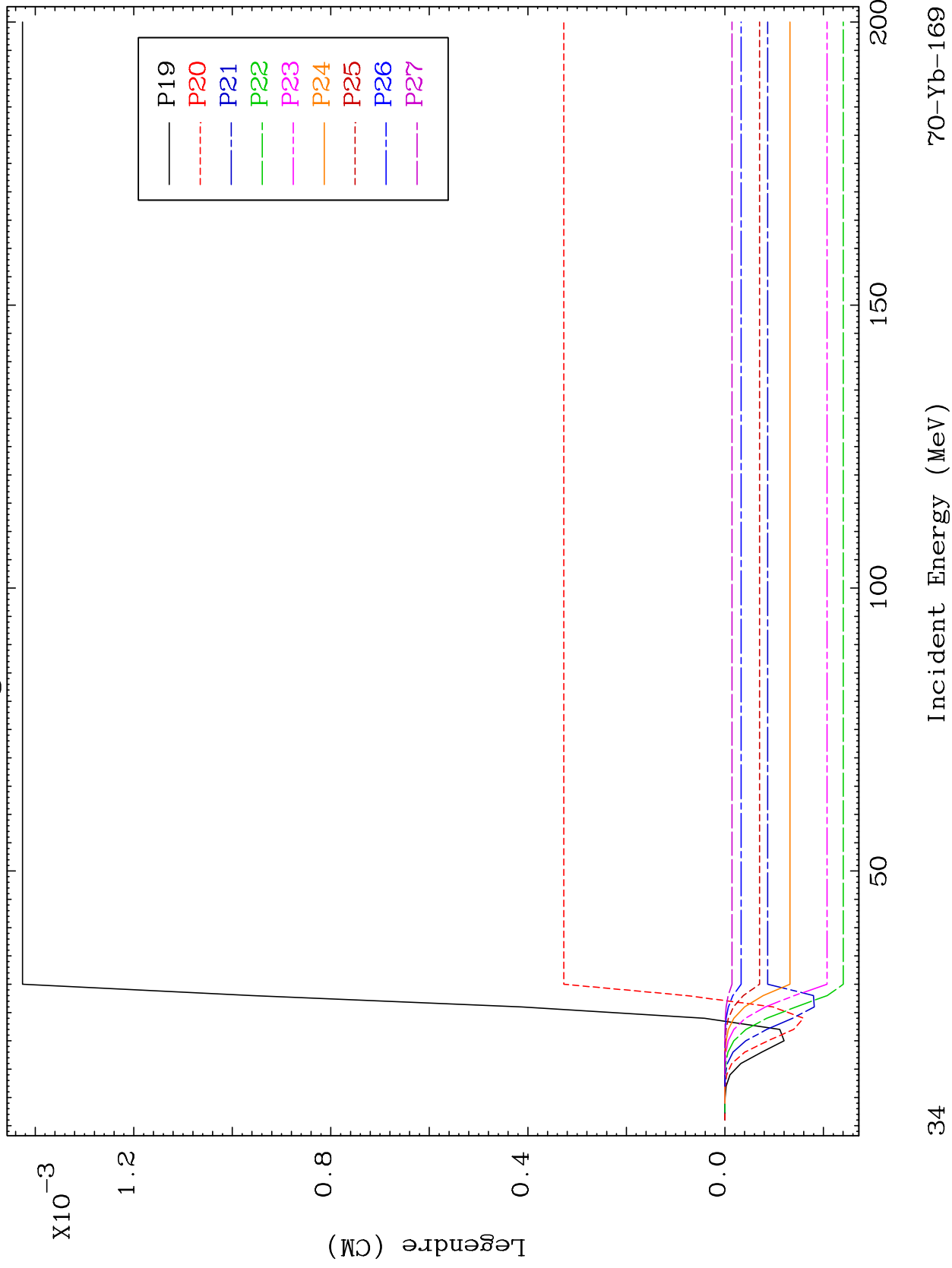
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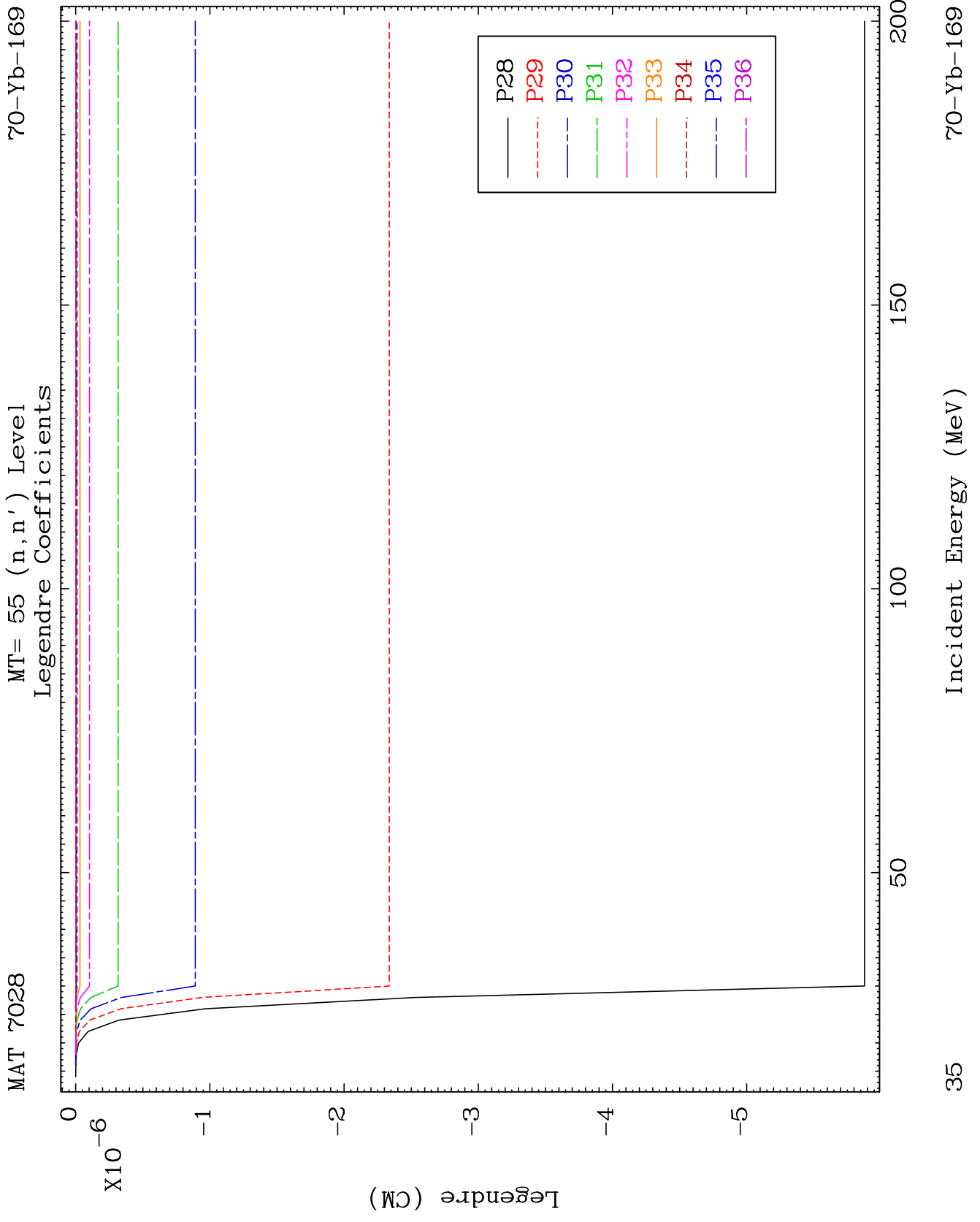


MAT 7028

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

70-Yb-169



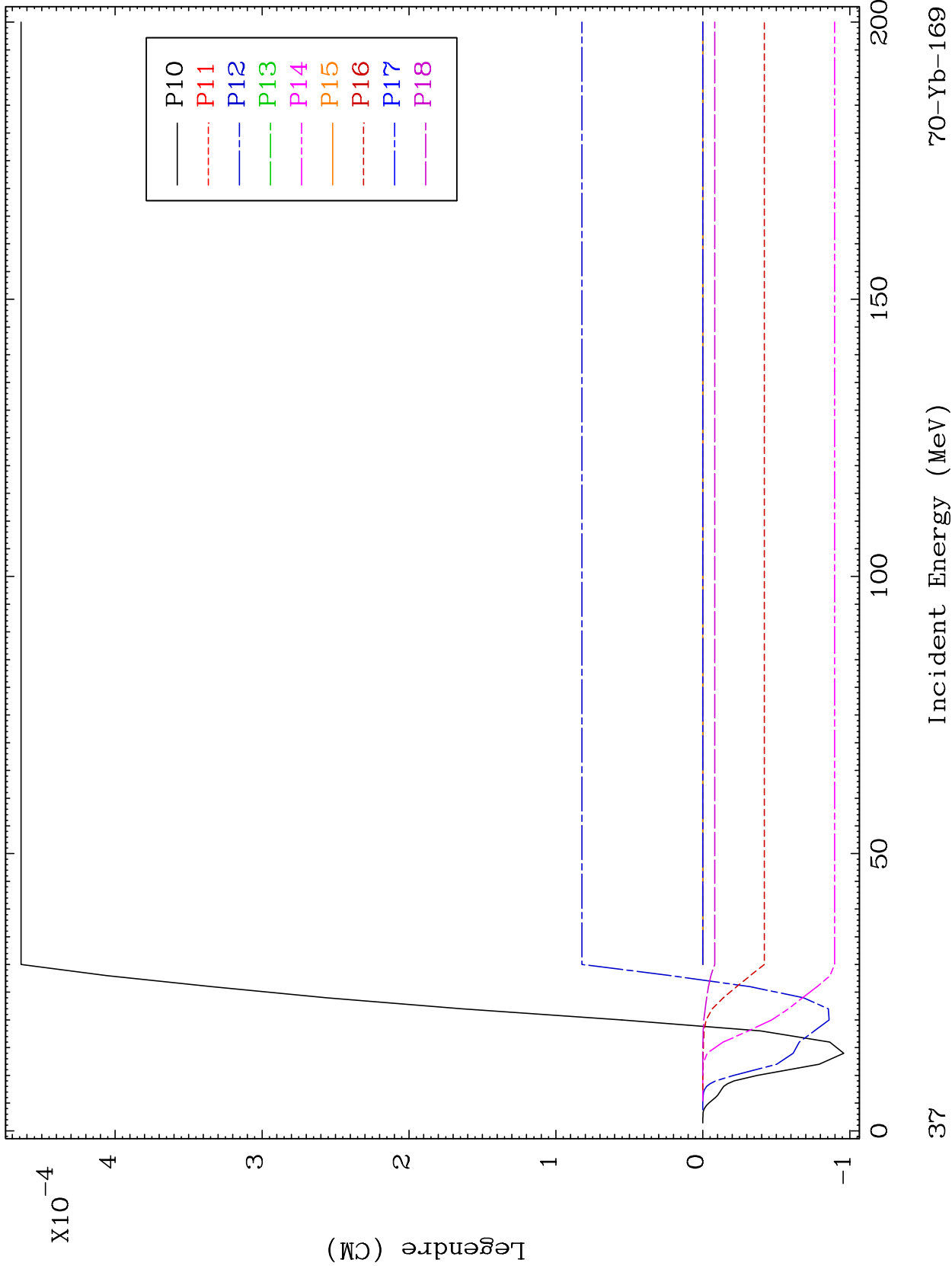


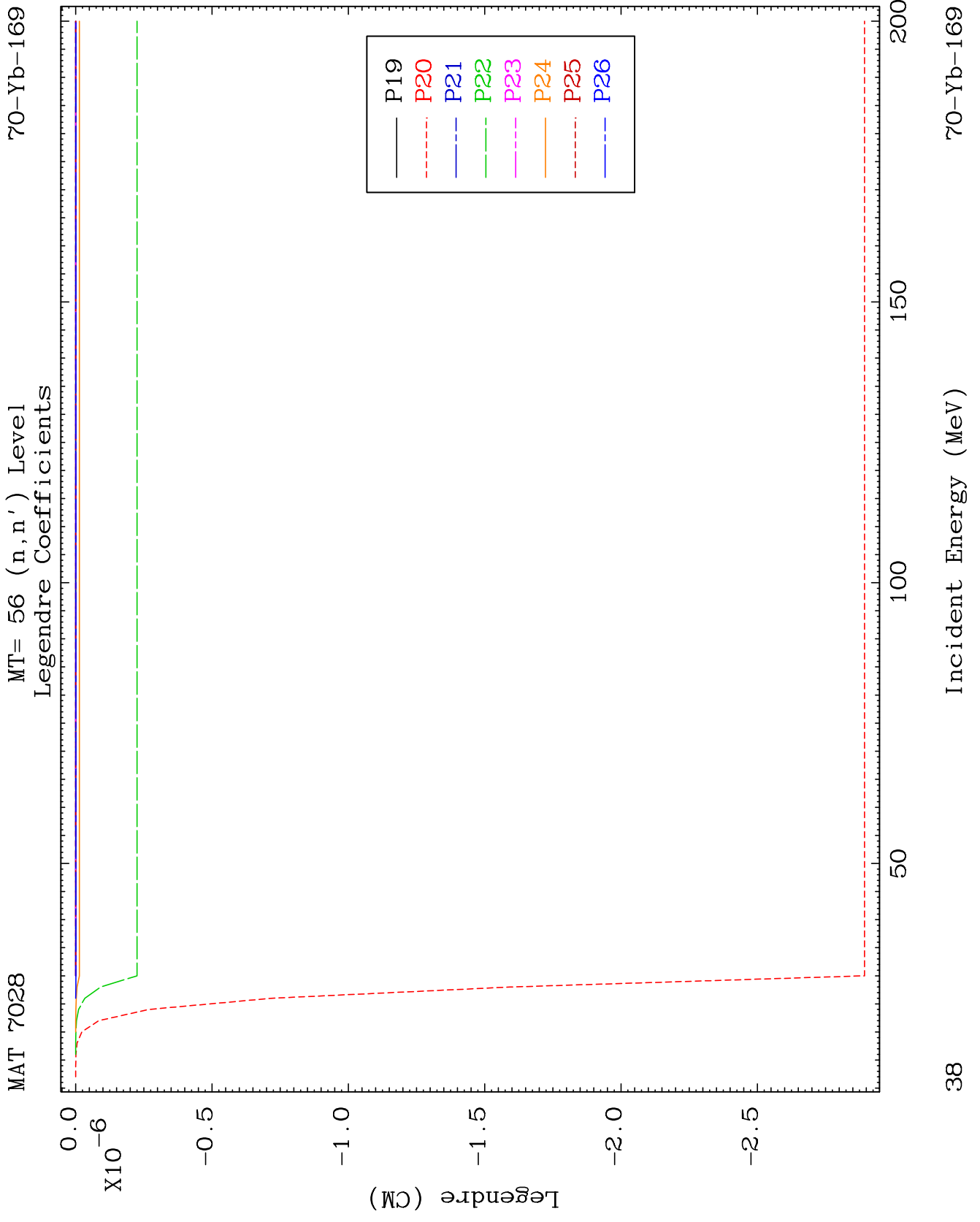


MAT 7028

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

70-Yb-169





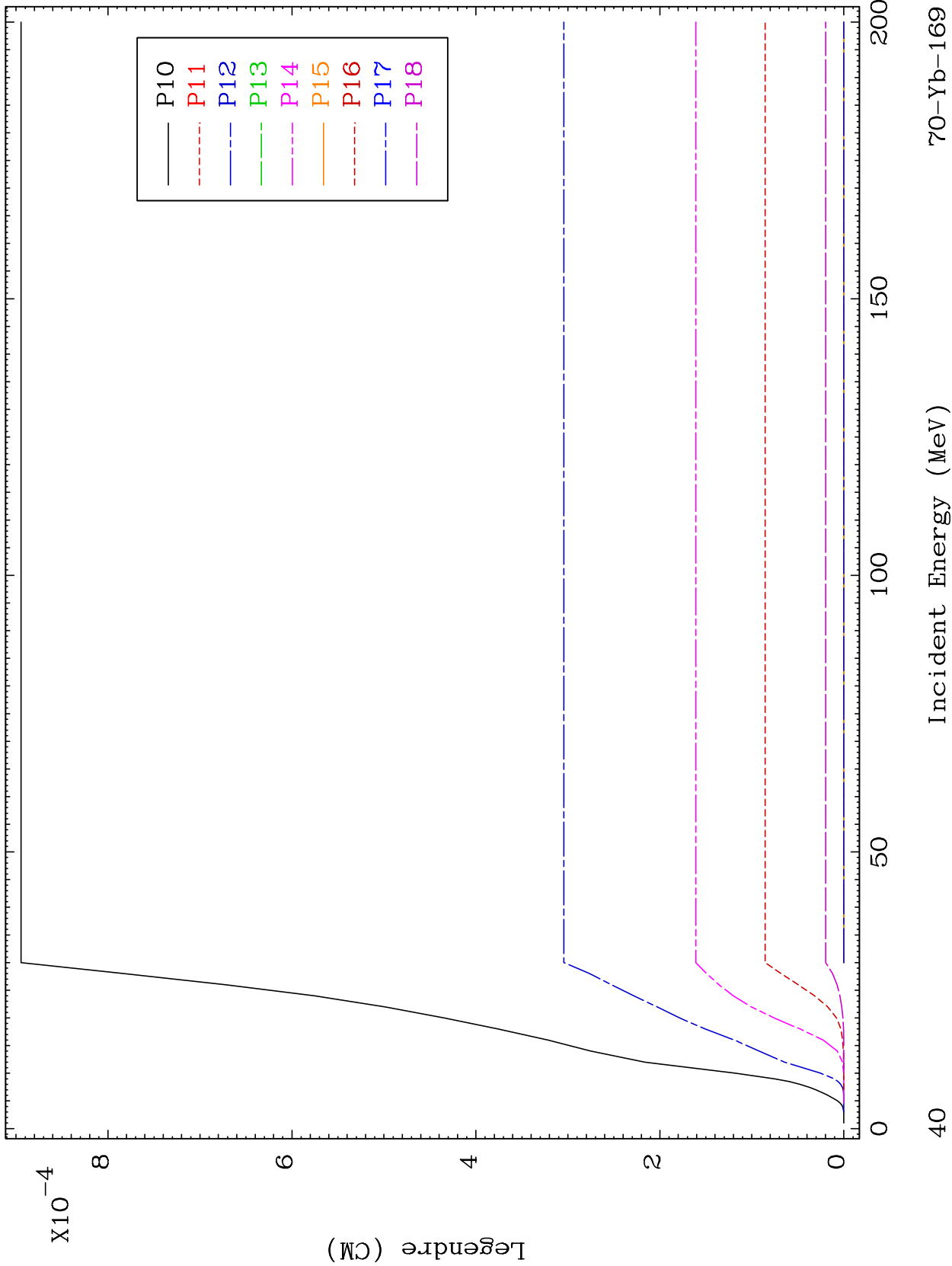


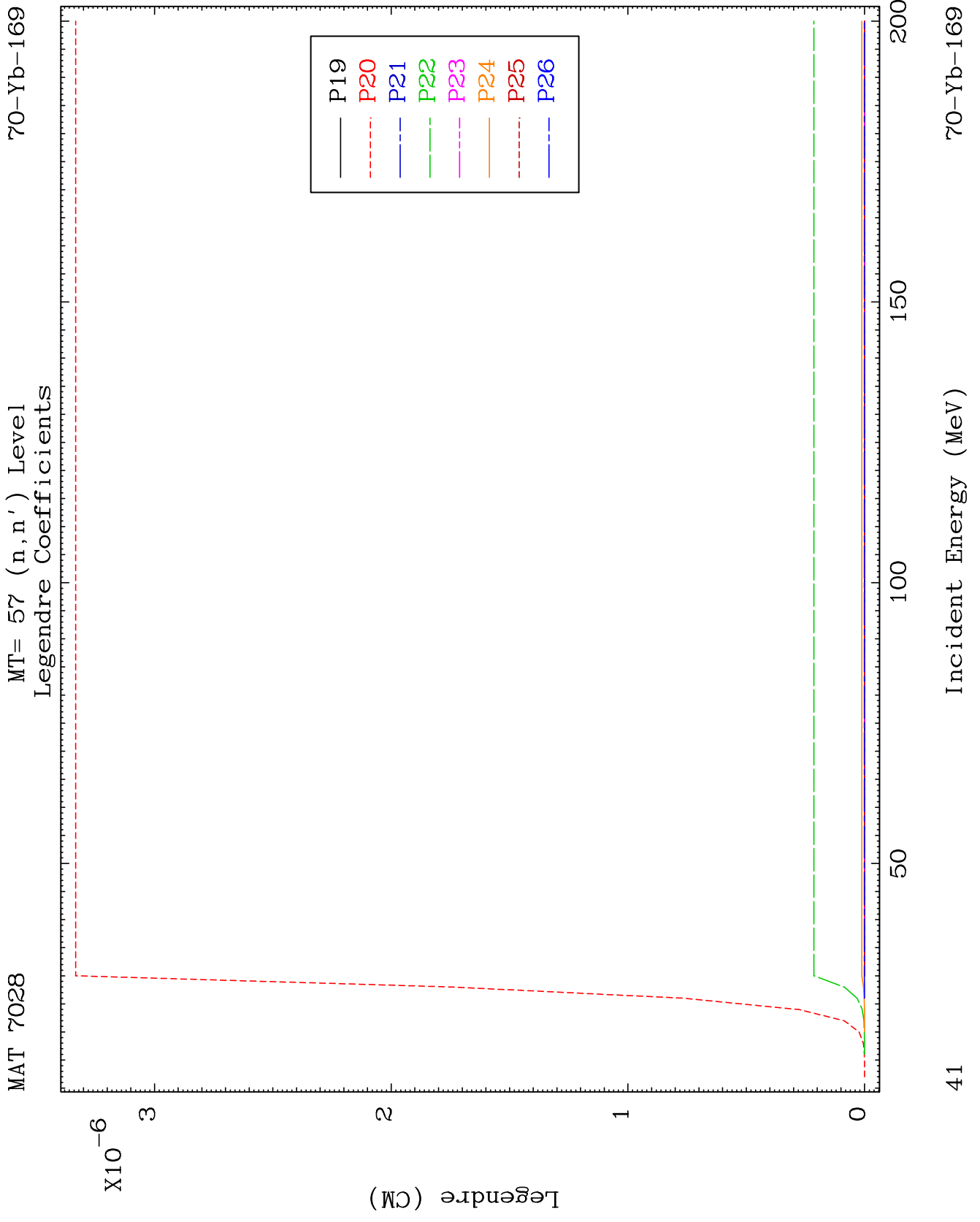


MAT 7028

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

70-Yb-169



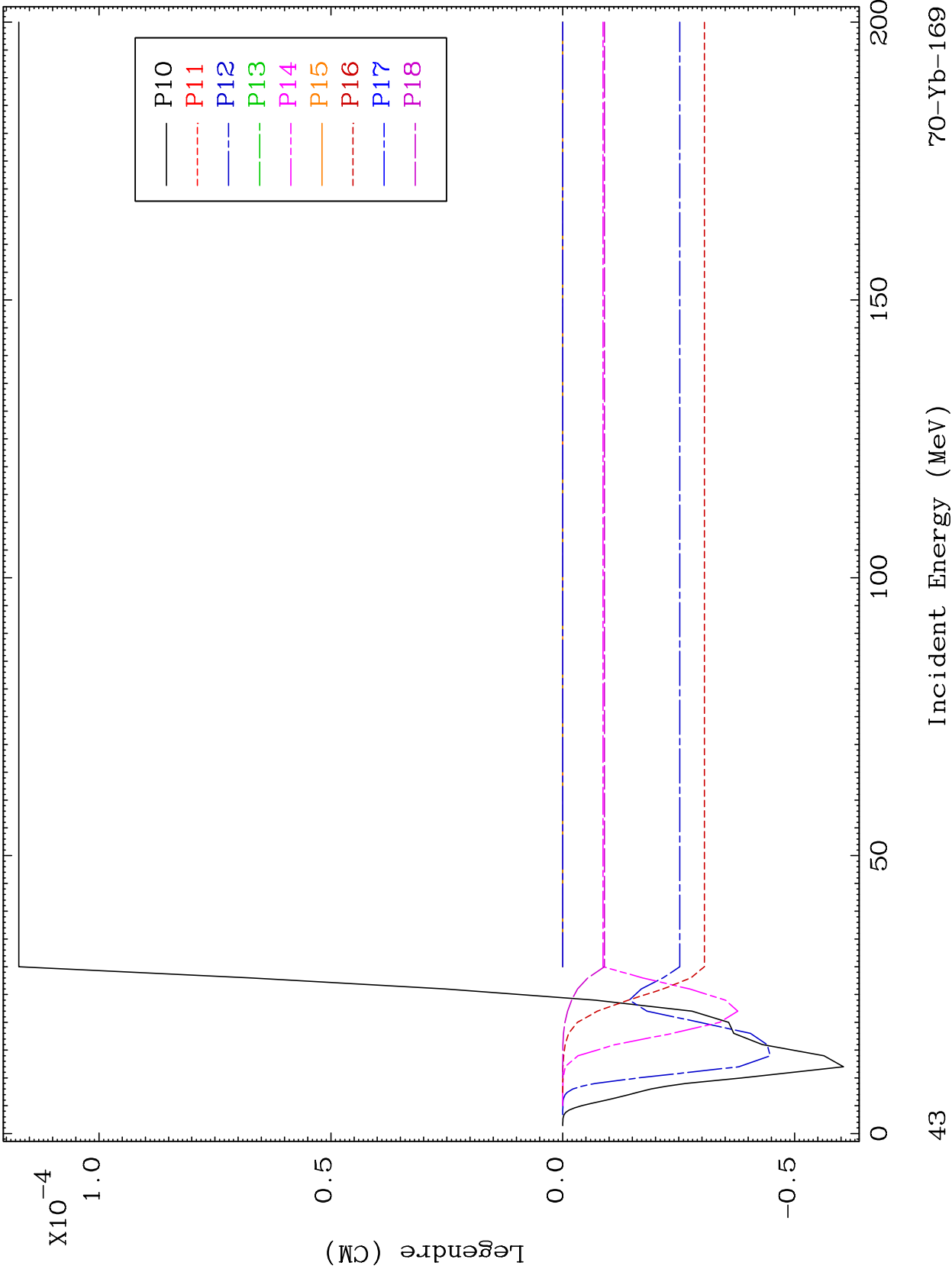




MAT 7028

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

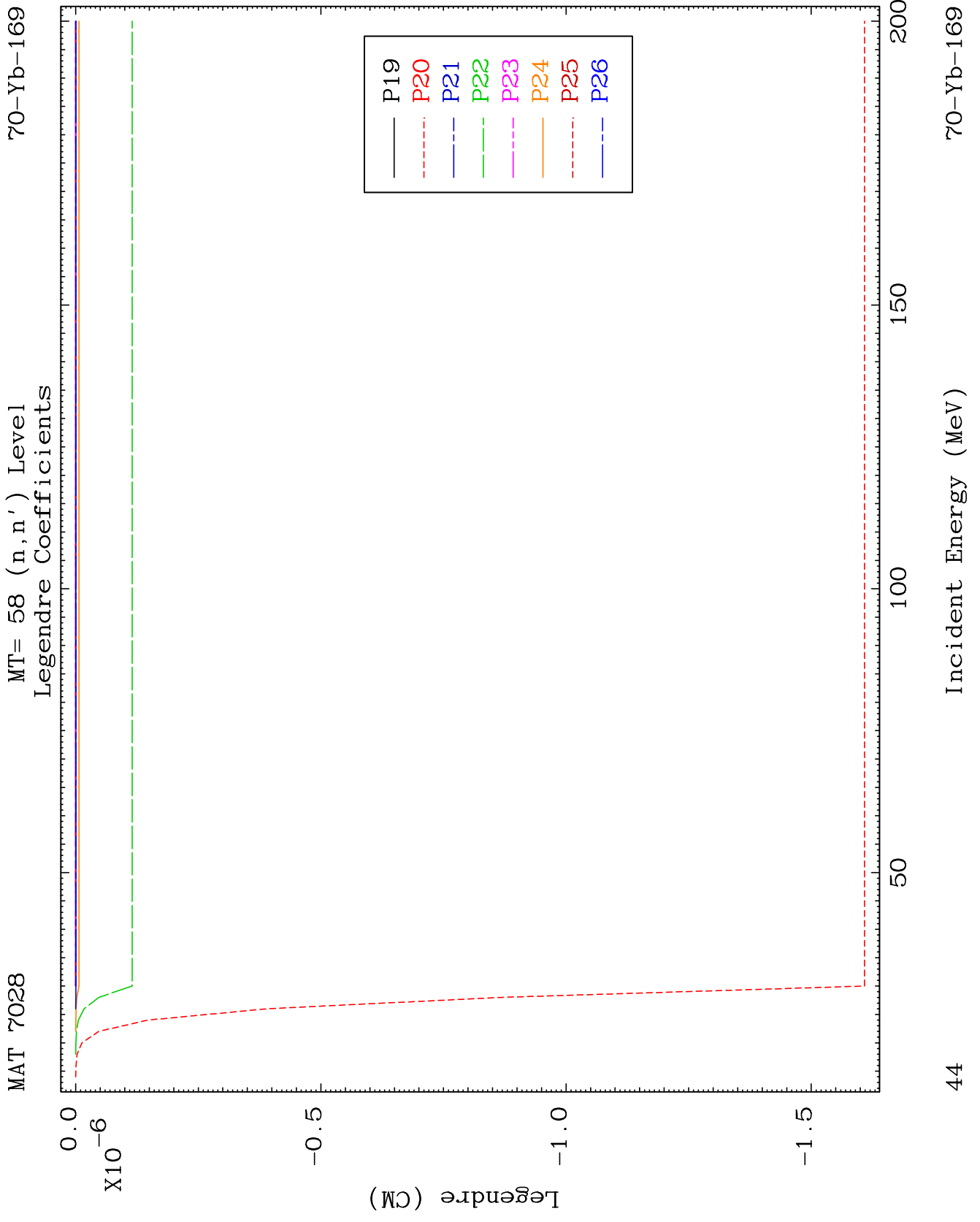
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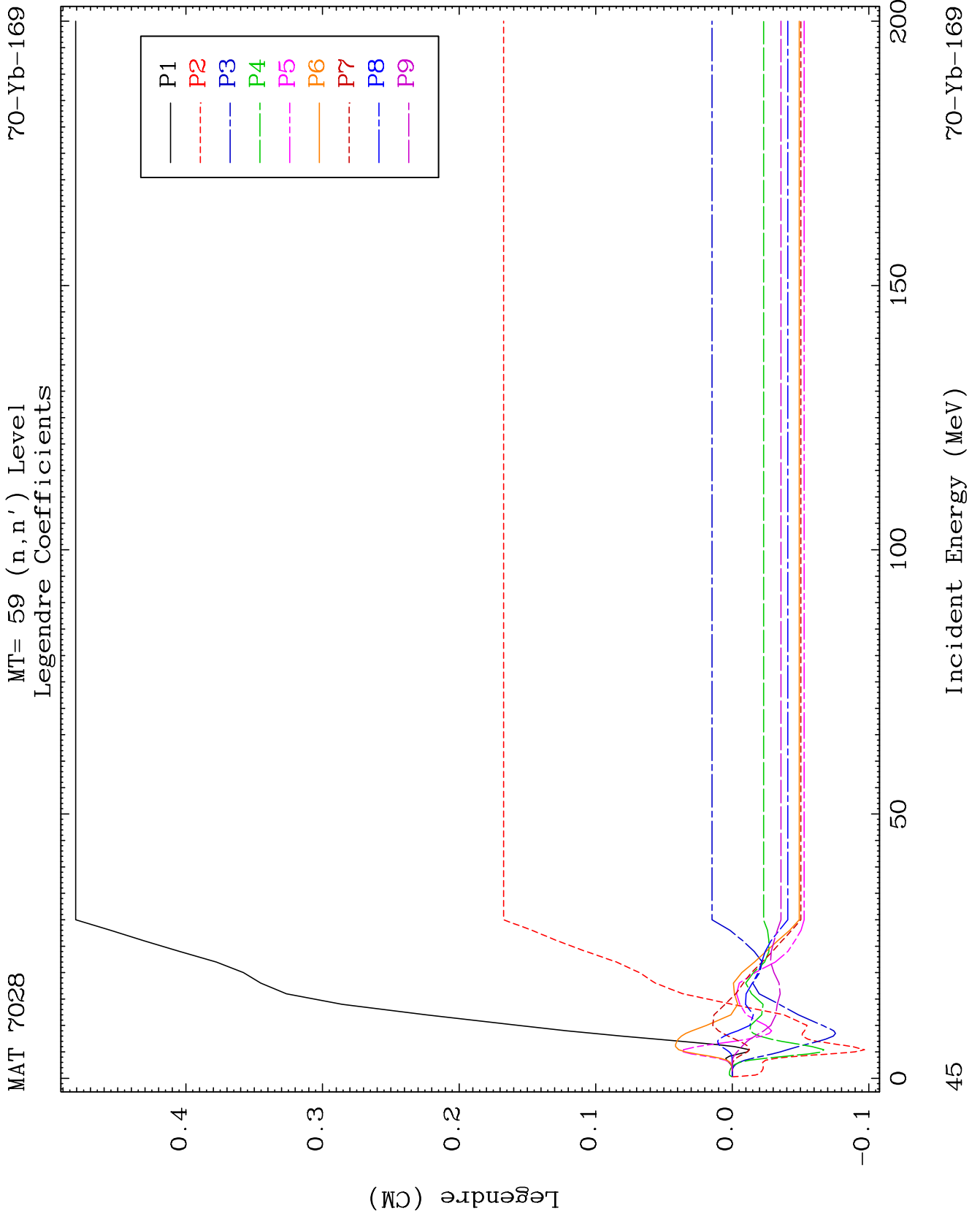


70-Yb-169

Incident Energy (MeV)

43

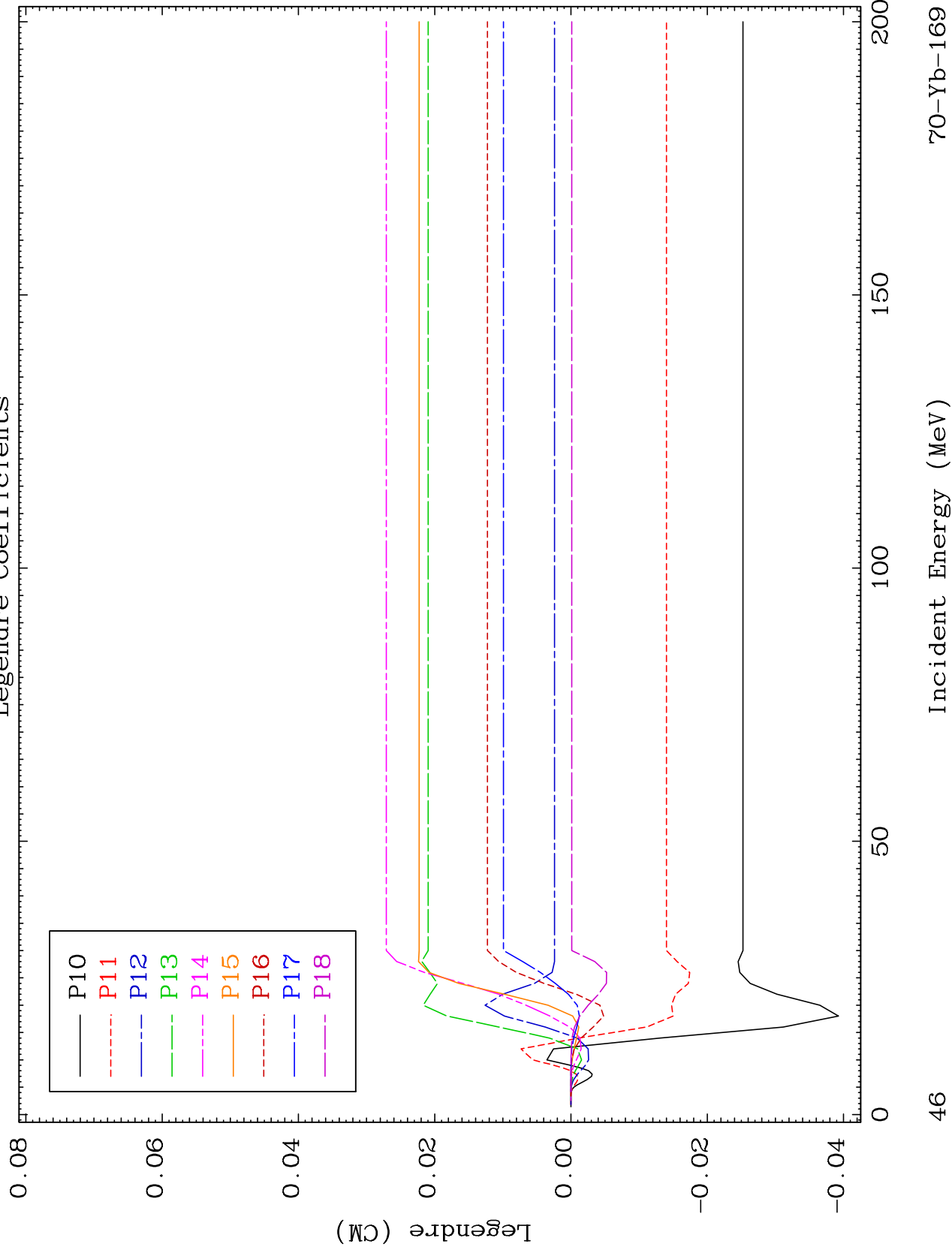




MAT 7028

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

70-Yb-169



46

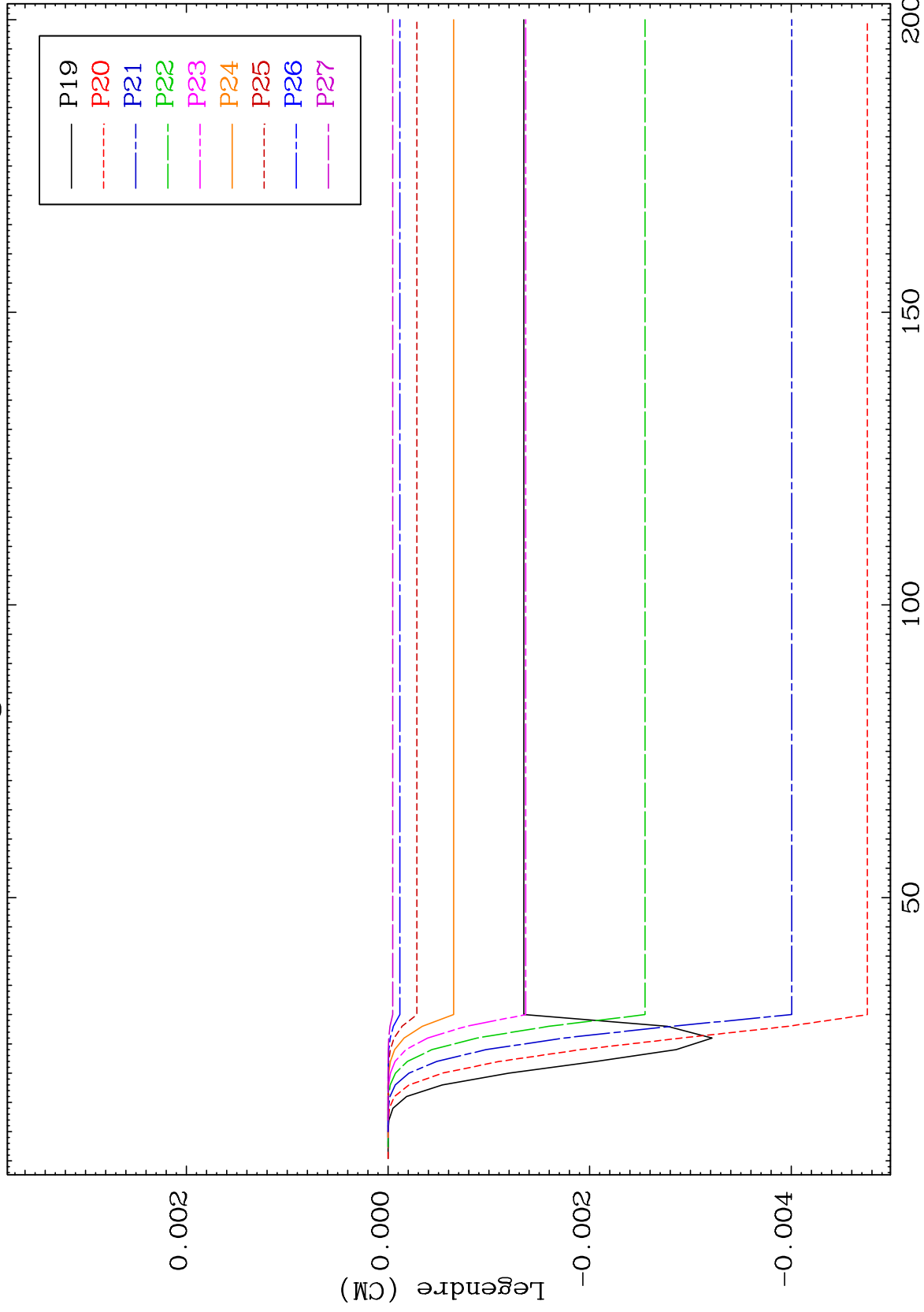
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169

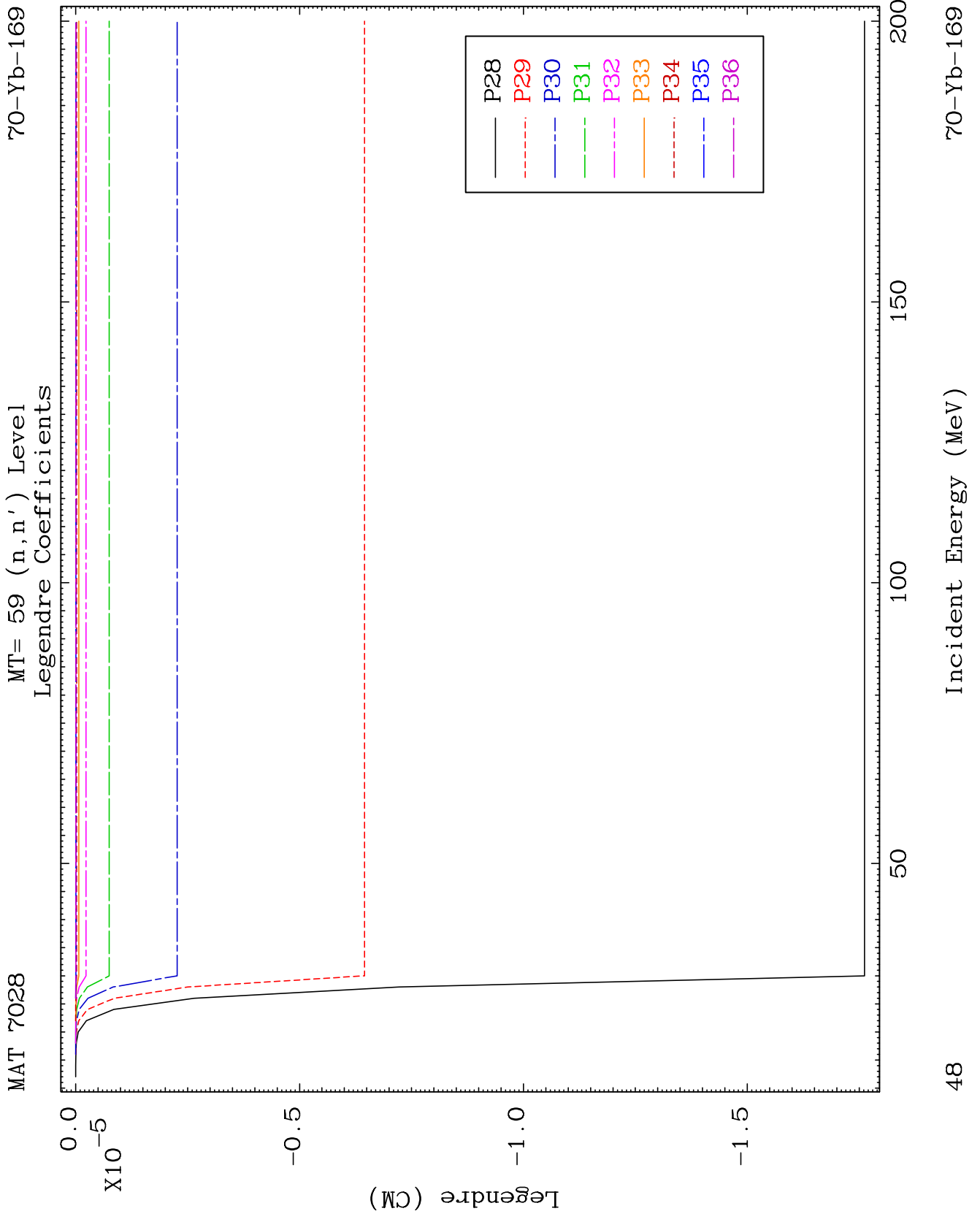


47

Incident Energy (MeV)

70-Yb-169



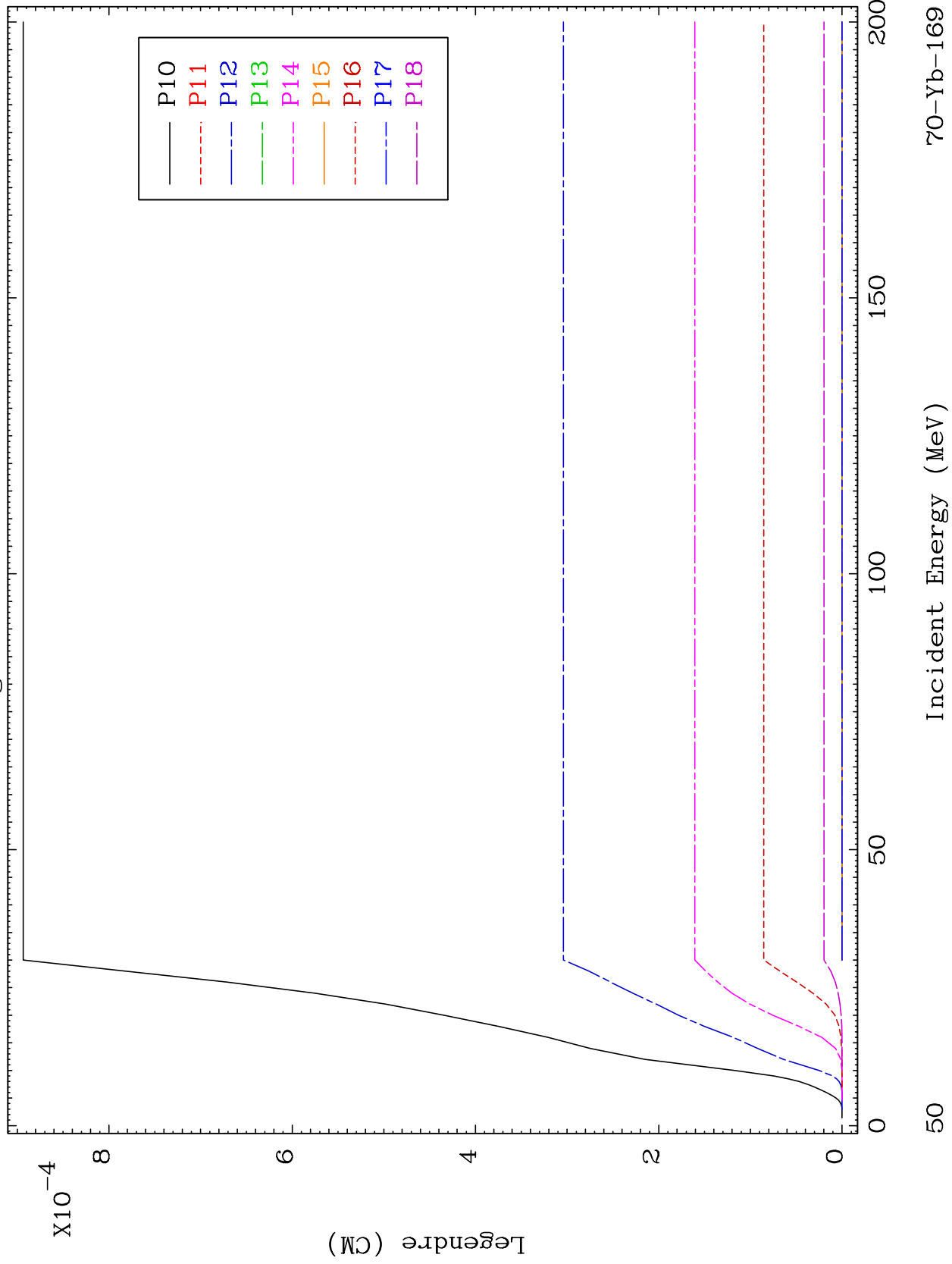


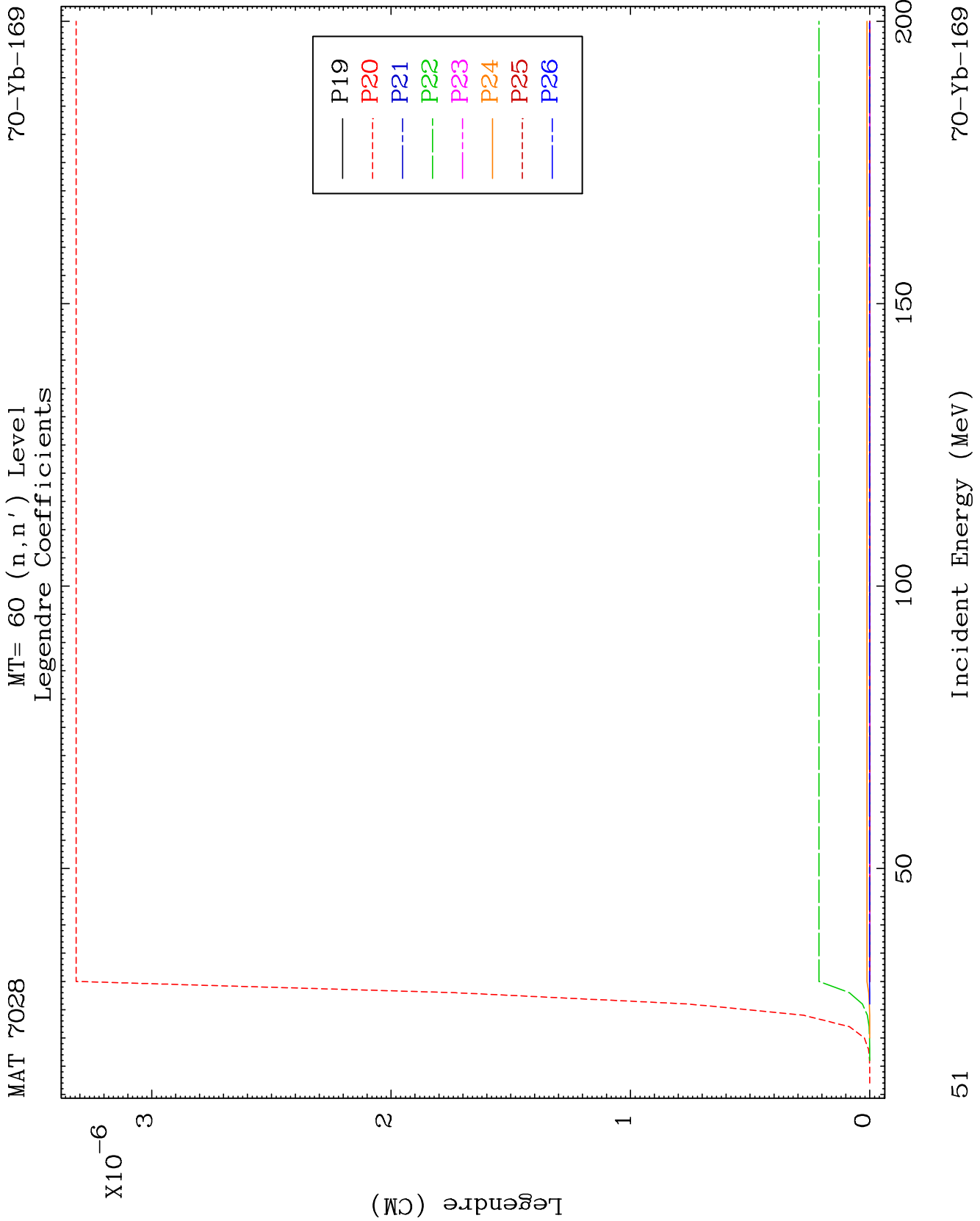


MAT 7028

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

70-Yb-169



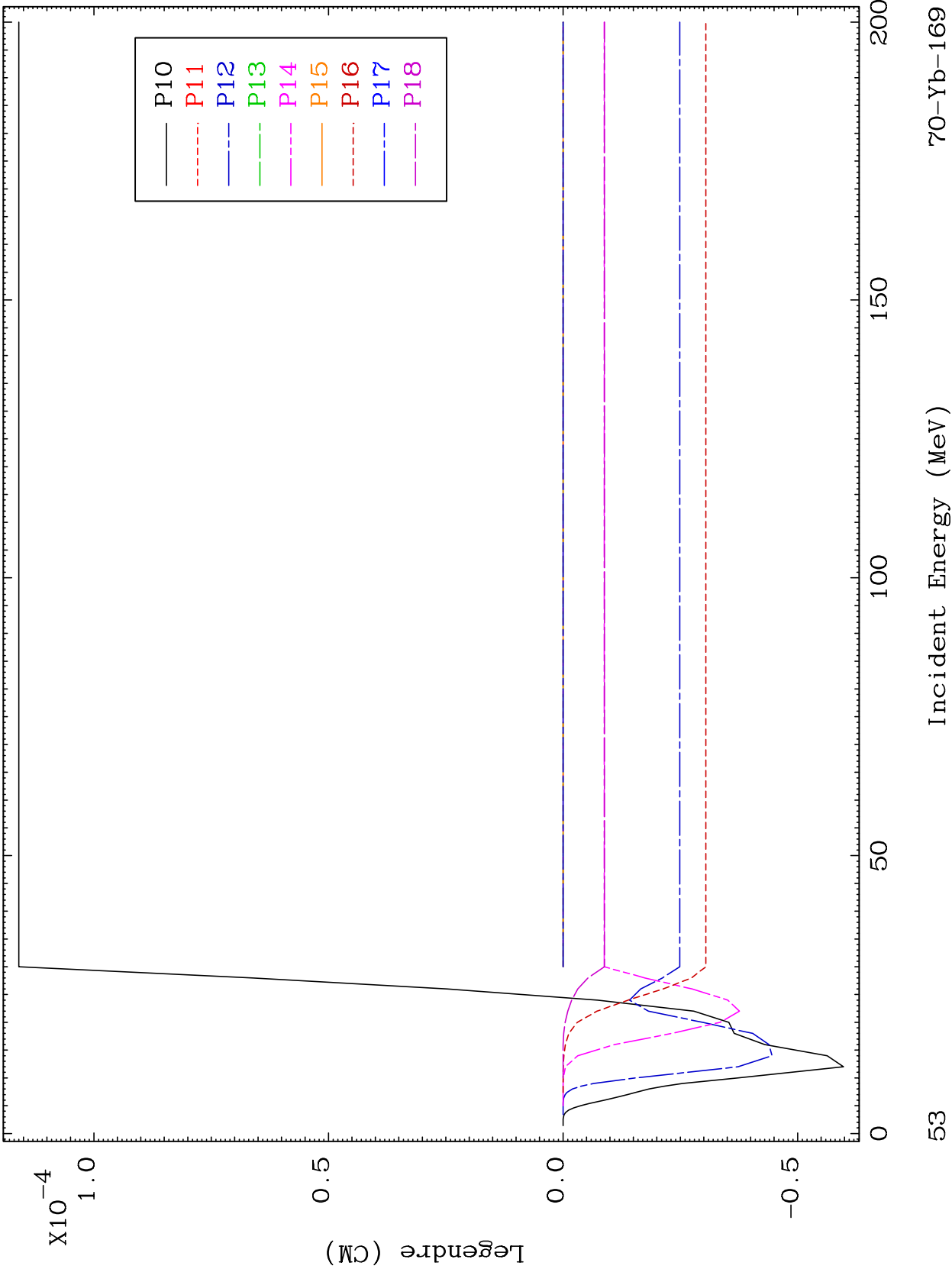




MAT 7028

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

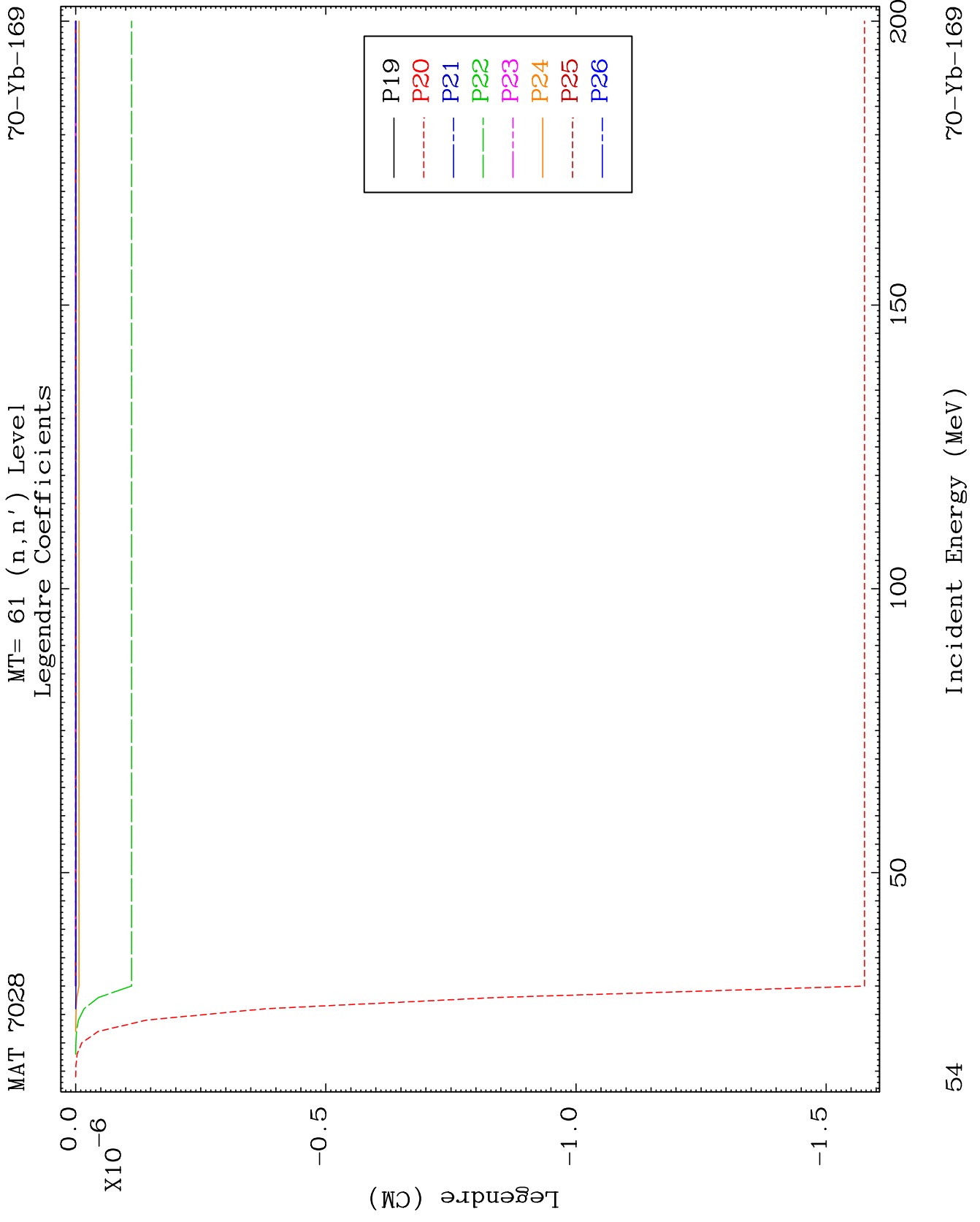
70-Yb-169



53

Incident Energy (MeV)

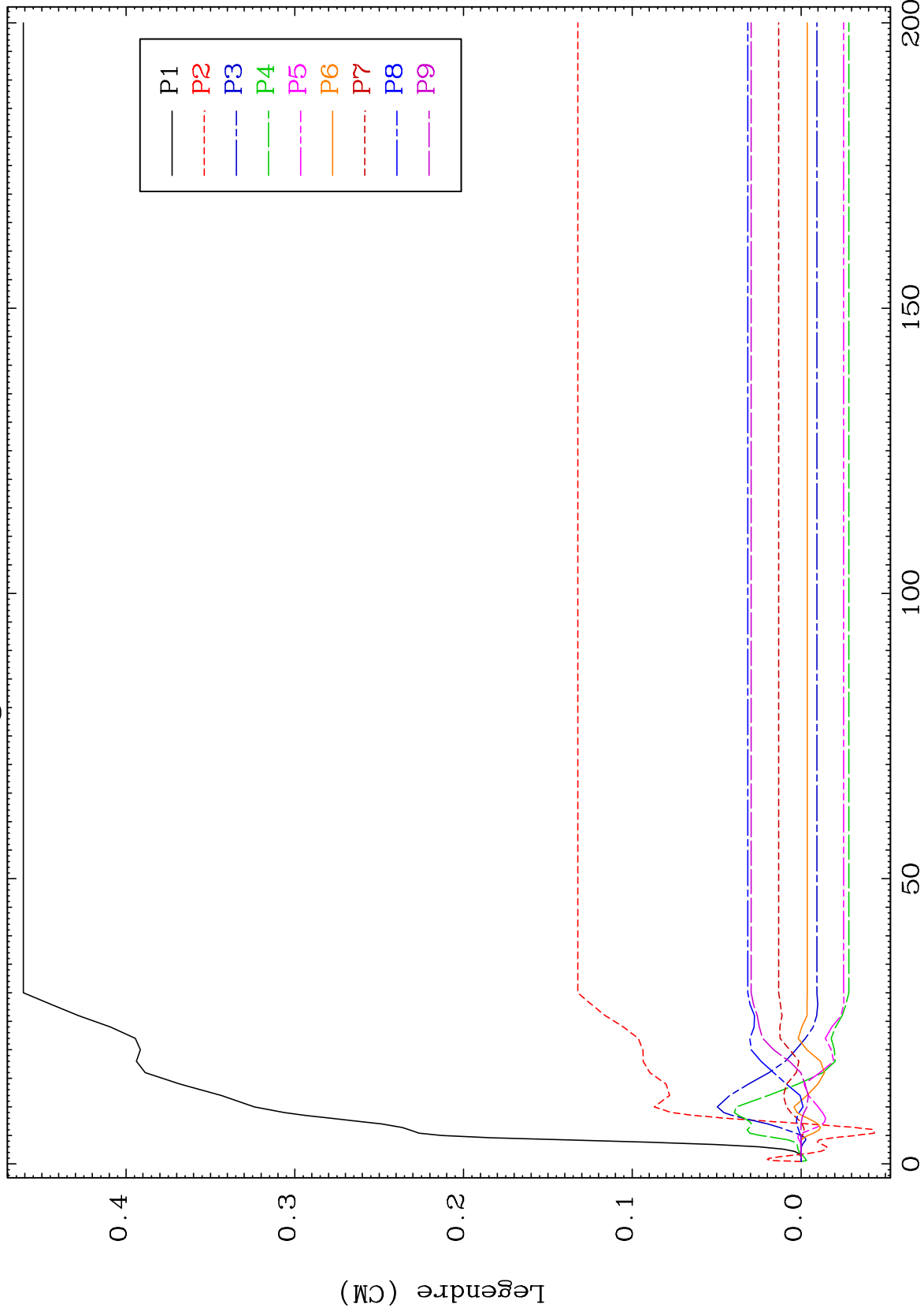
70-Yb-169



MAT 7028

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

70-Yb-169

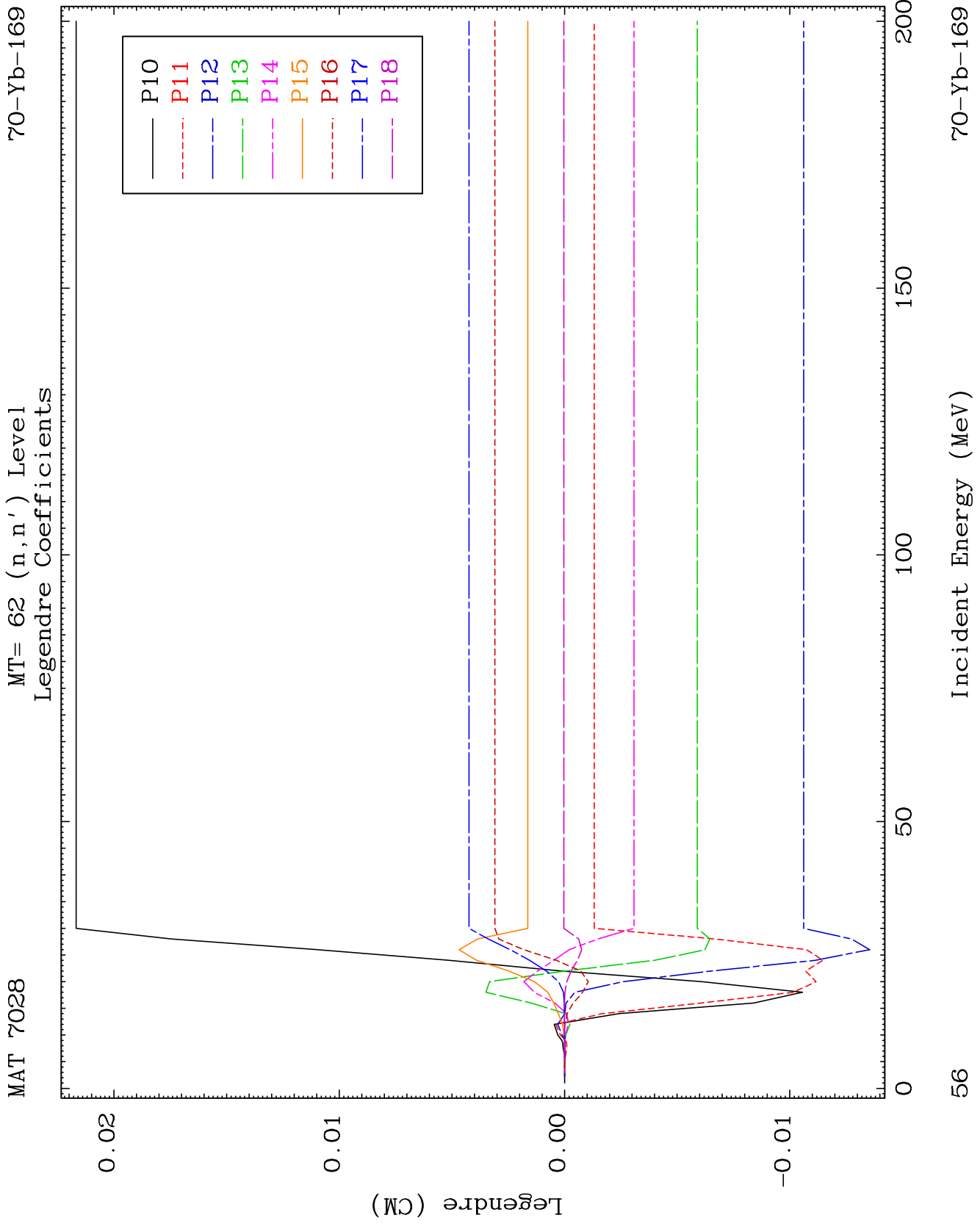


55

Incident Energy (MeV)

70-Yb-169

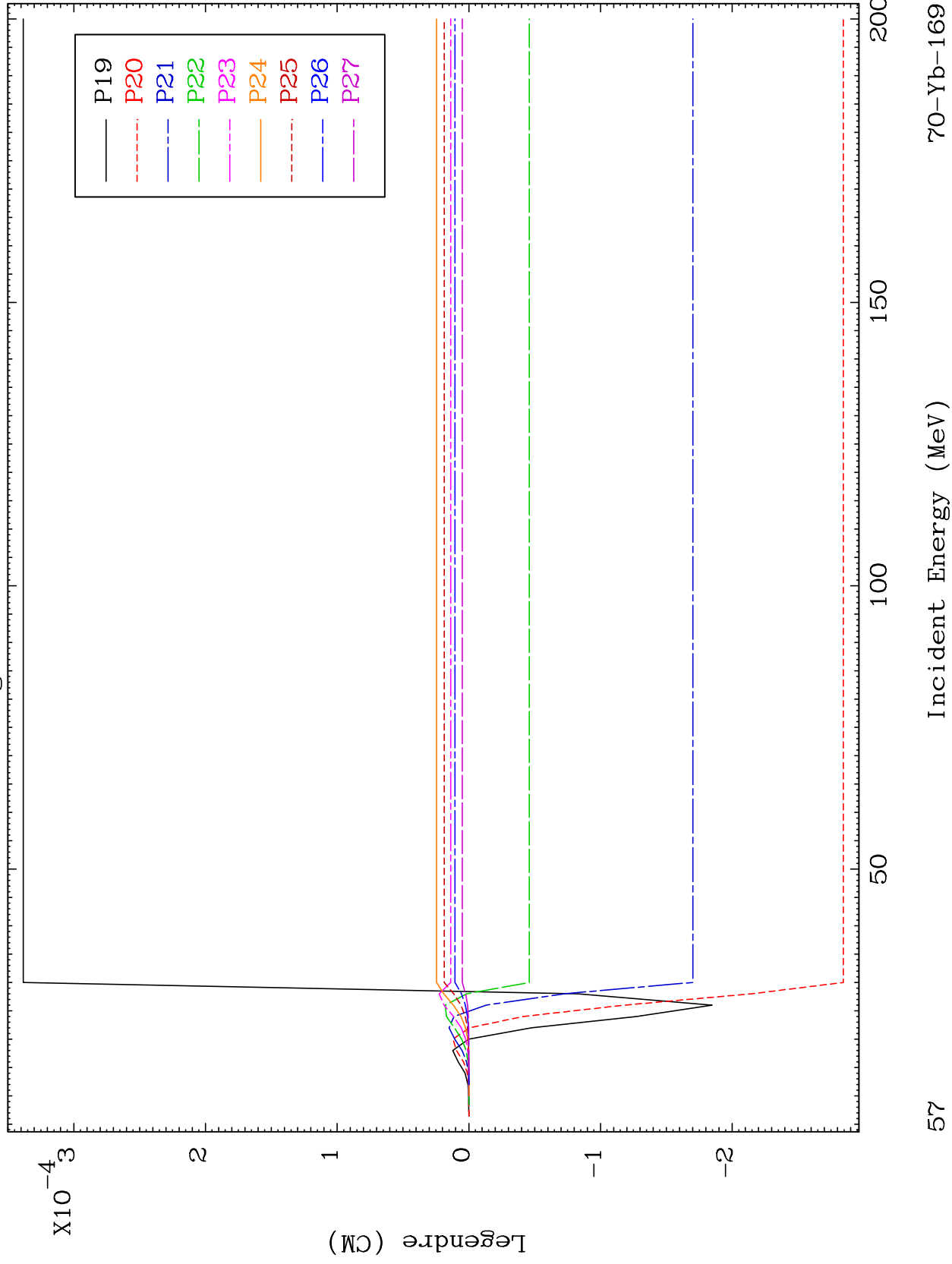




MAT 7028

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

70-Yb-169

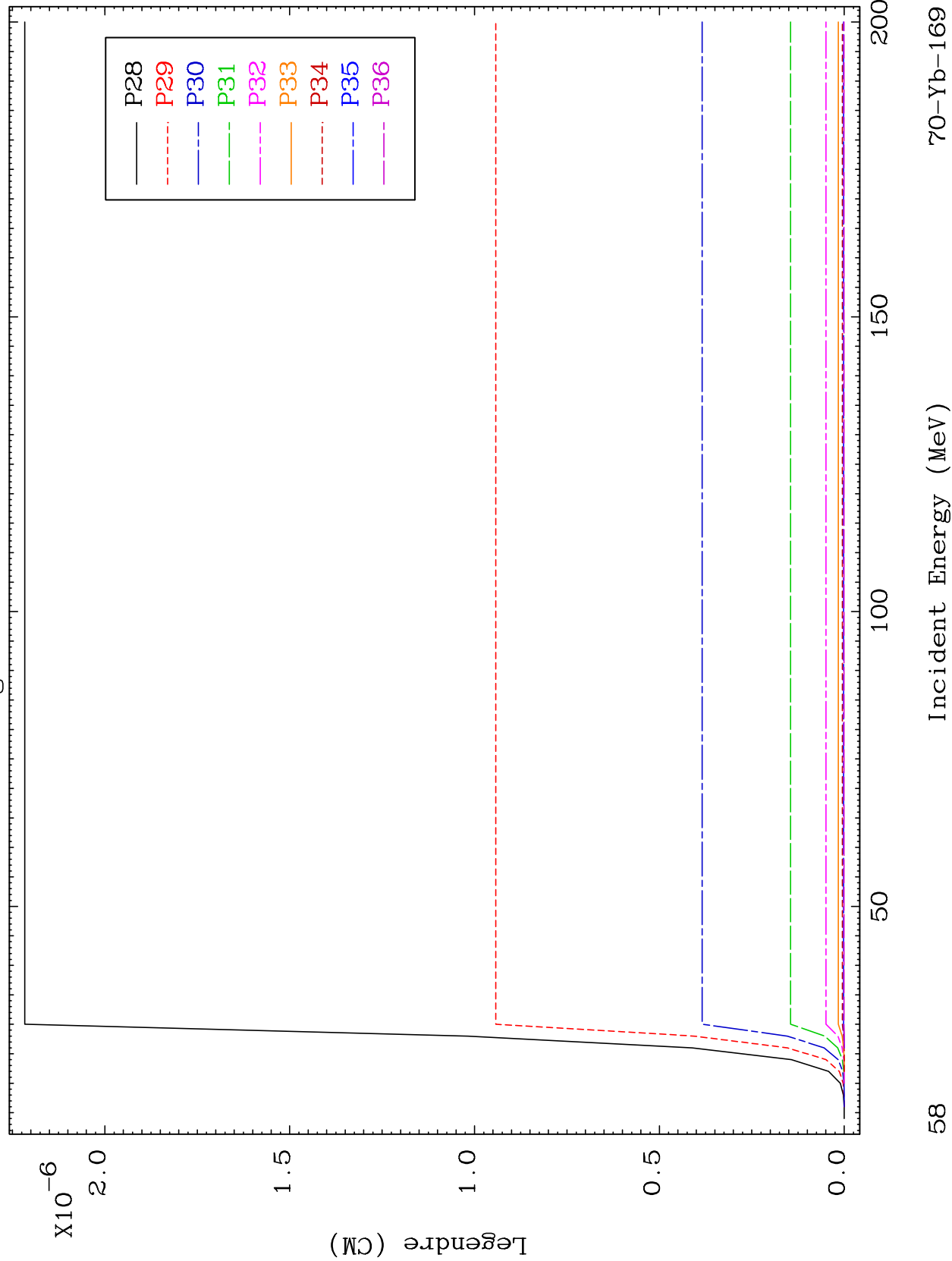


57

MAT 7028

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

70-Yb-169



58

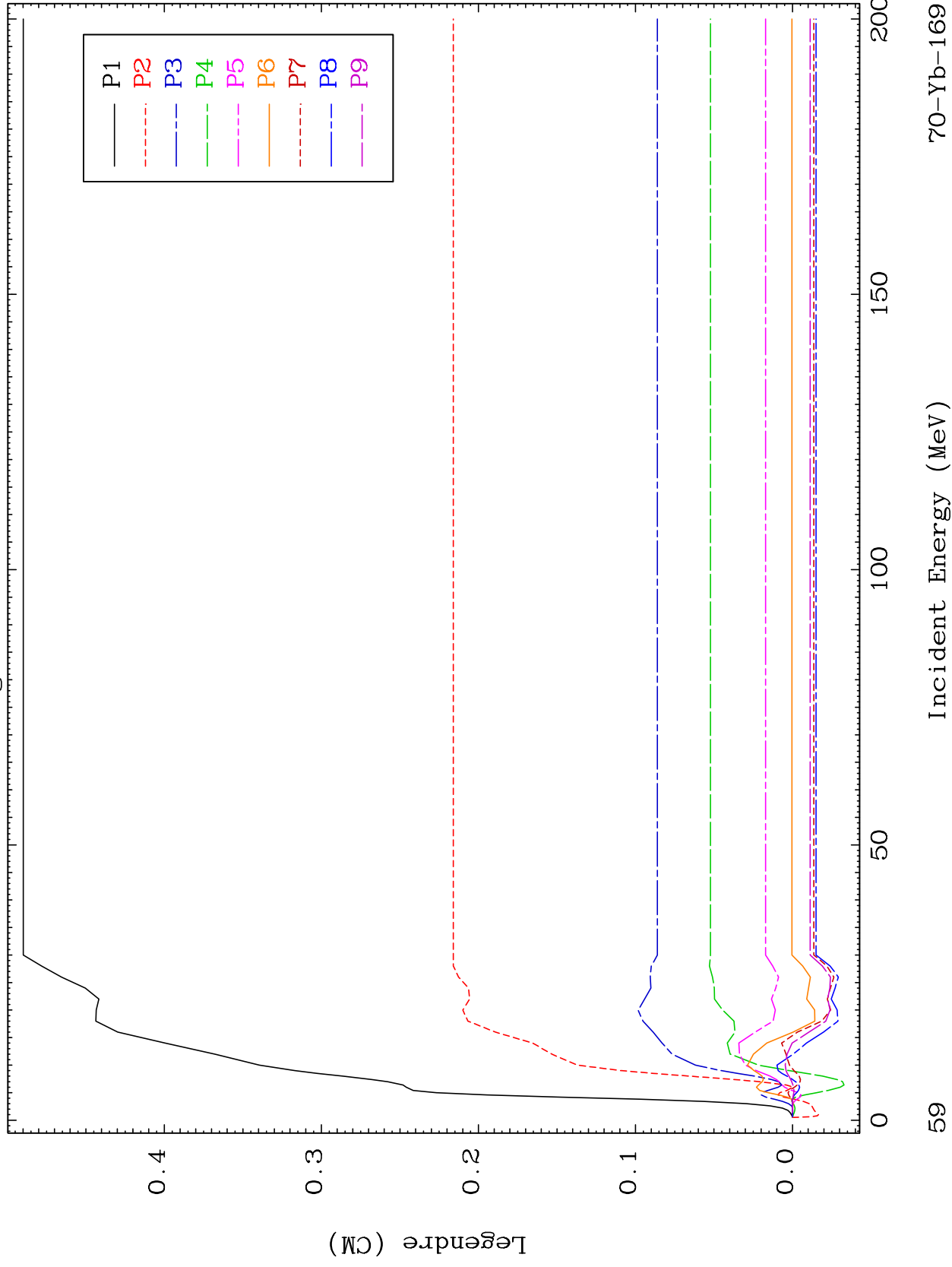
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

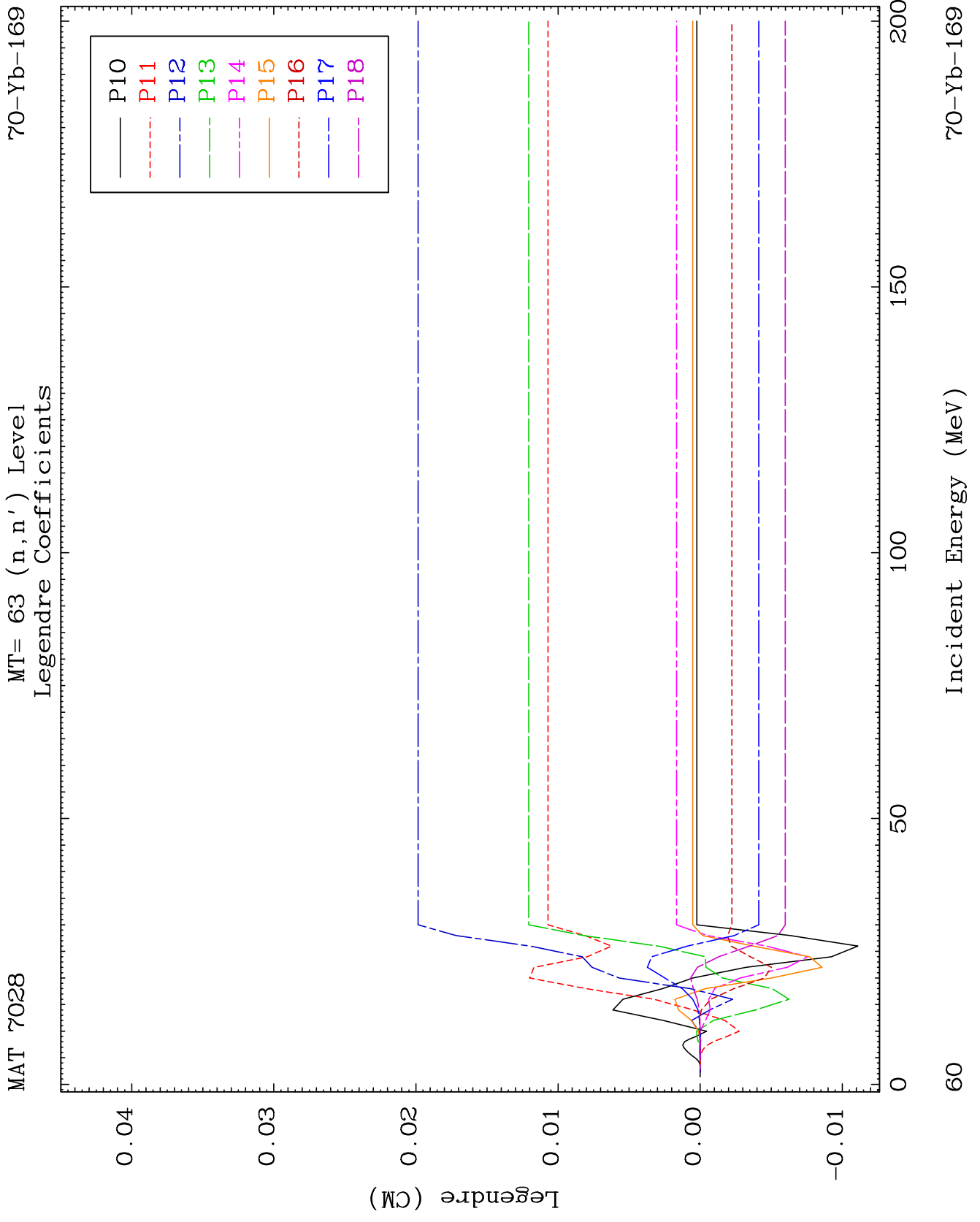
70-Yb-169



59

Incident Energy (MeV)

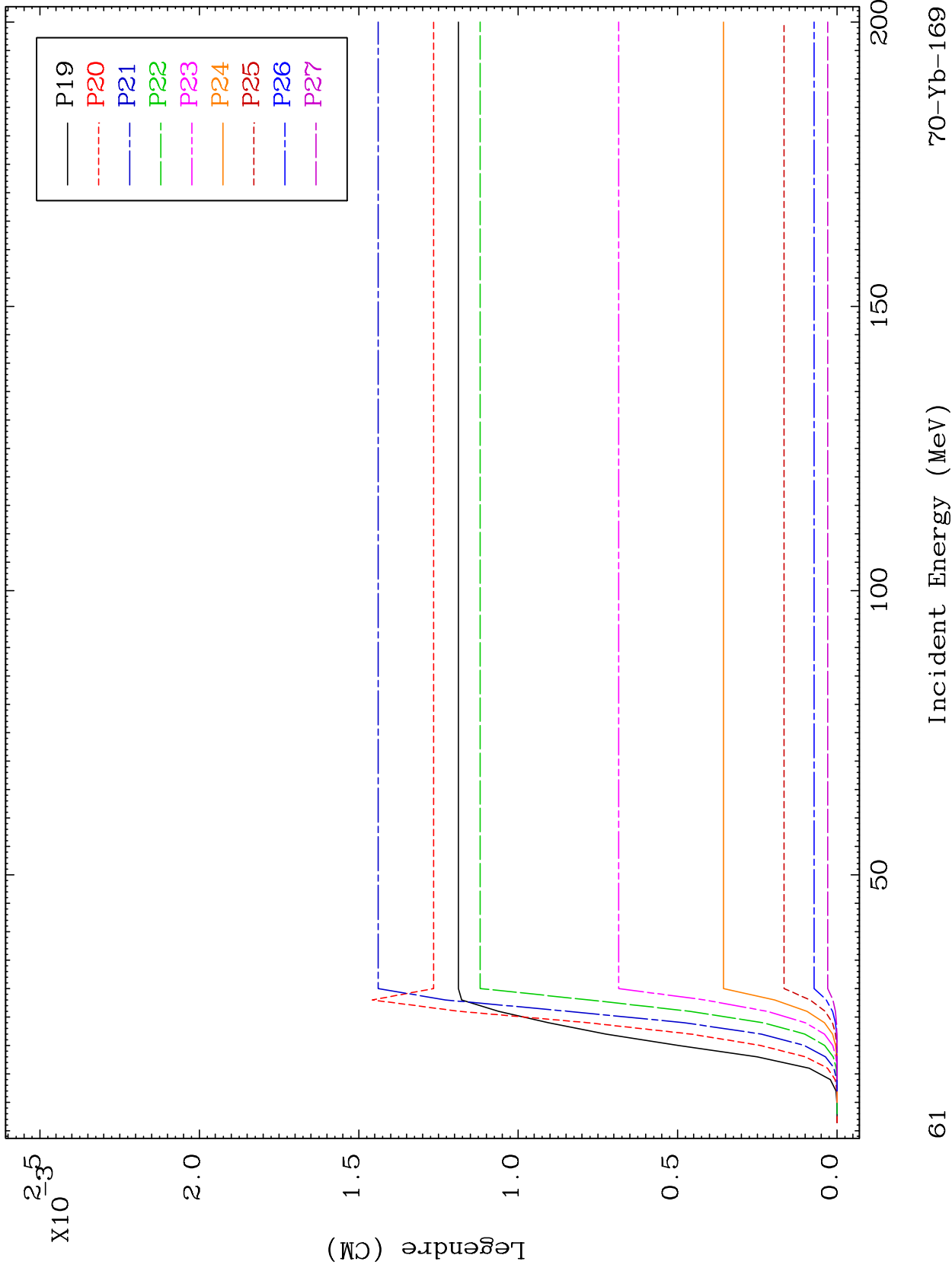
70-Yb-169



MAT 7028

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

70-Yb-169



61

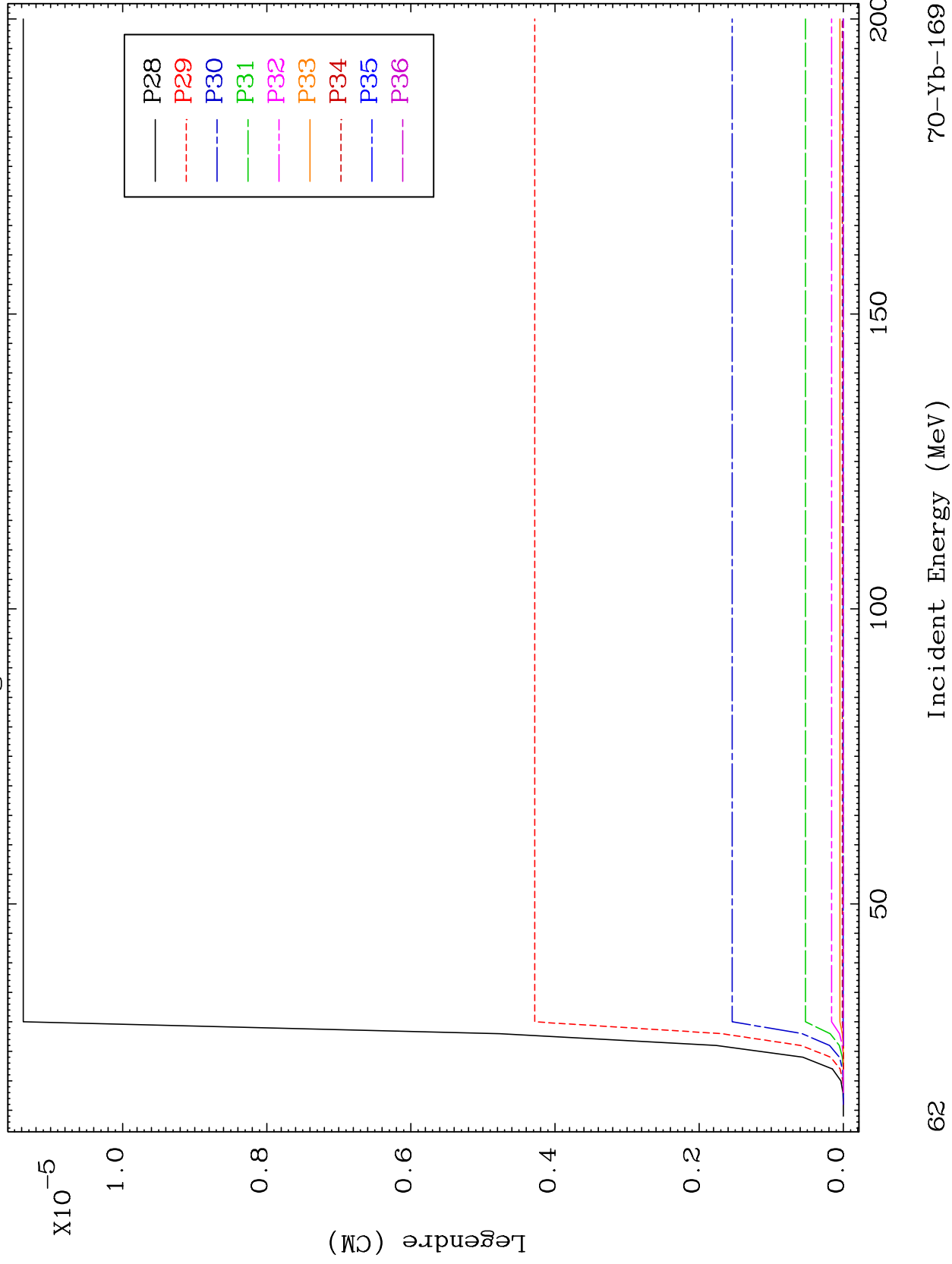
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169



62

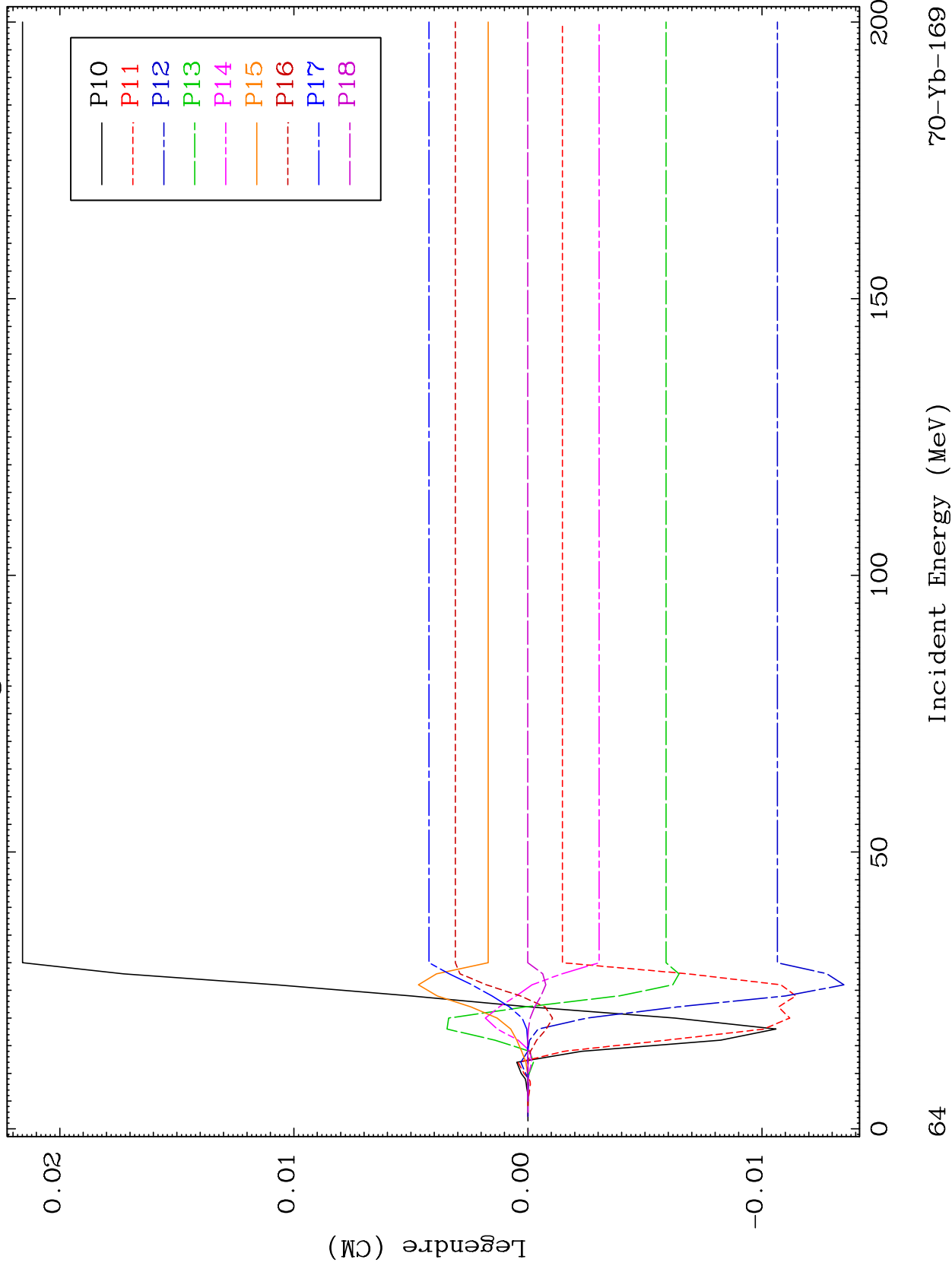




MAT 7028

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

70-Yb-169



70-Yb-169

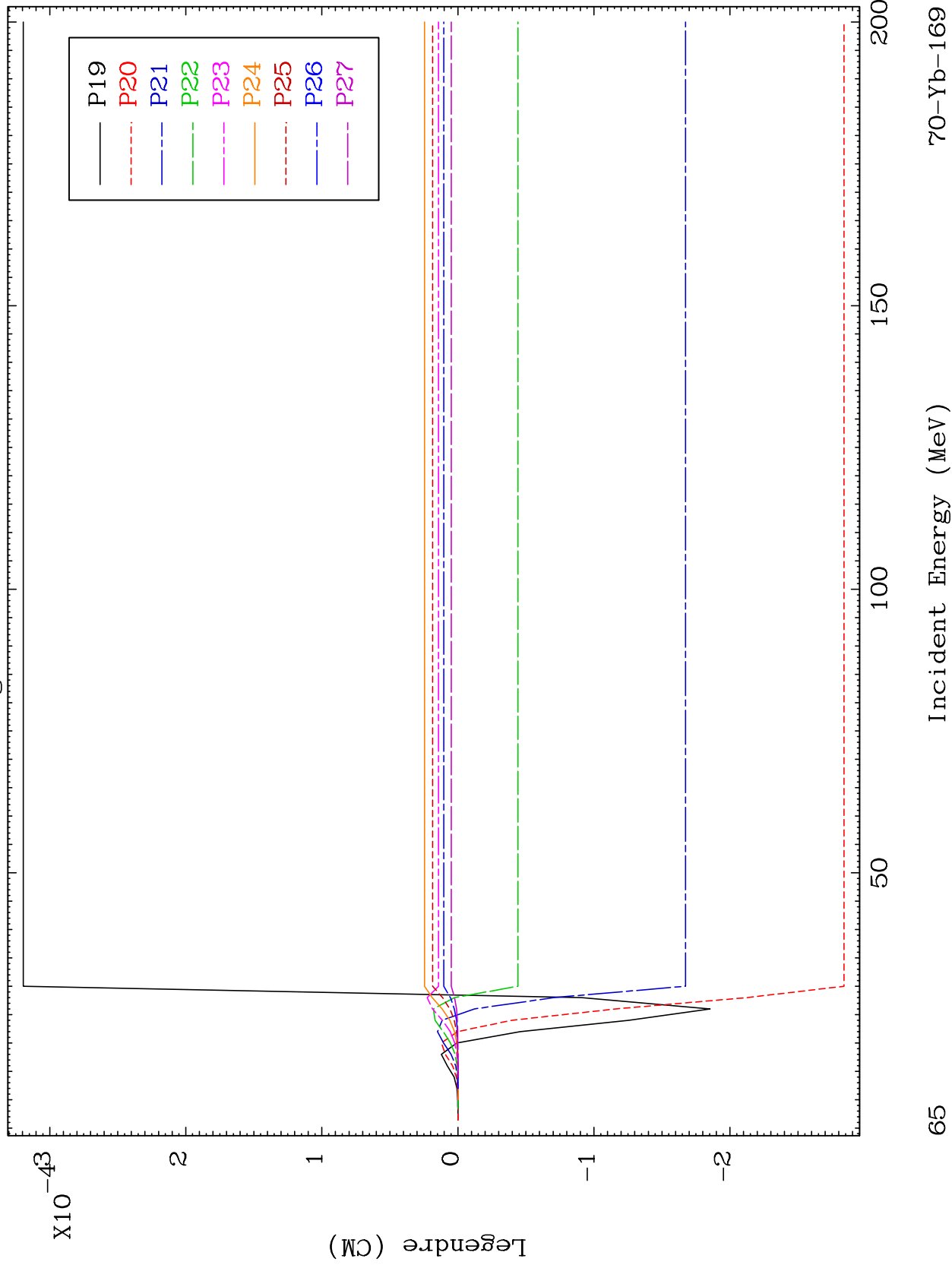
Incident Energy (MeV)

64

MAT 7028

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

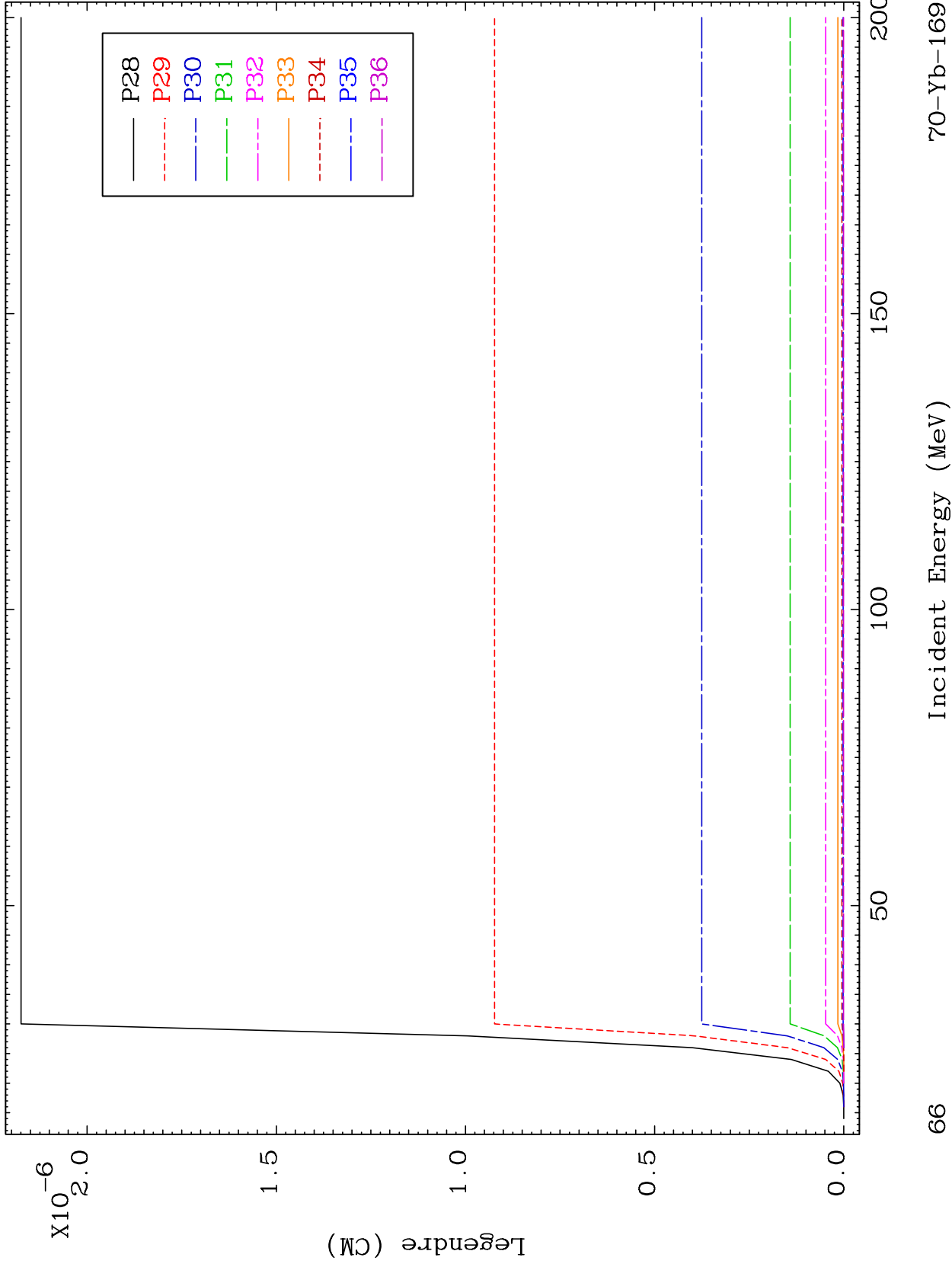
70-Yb-169



MAT 7028

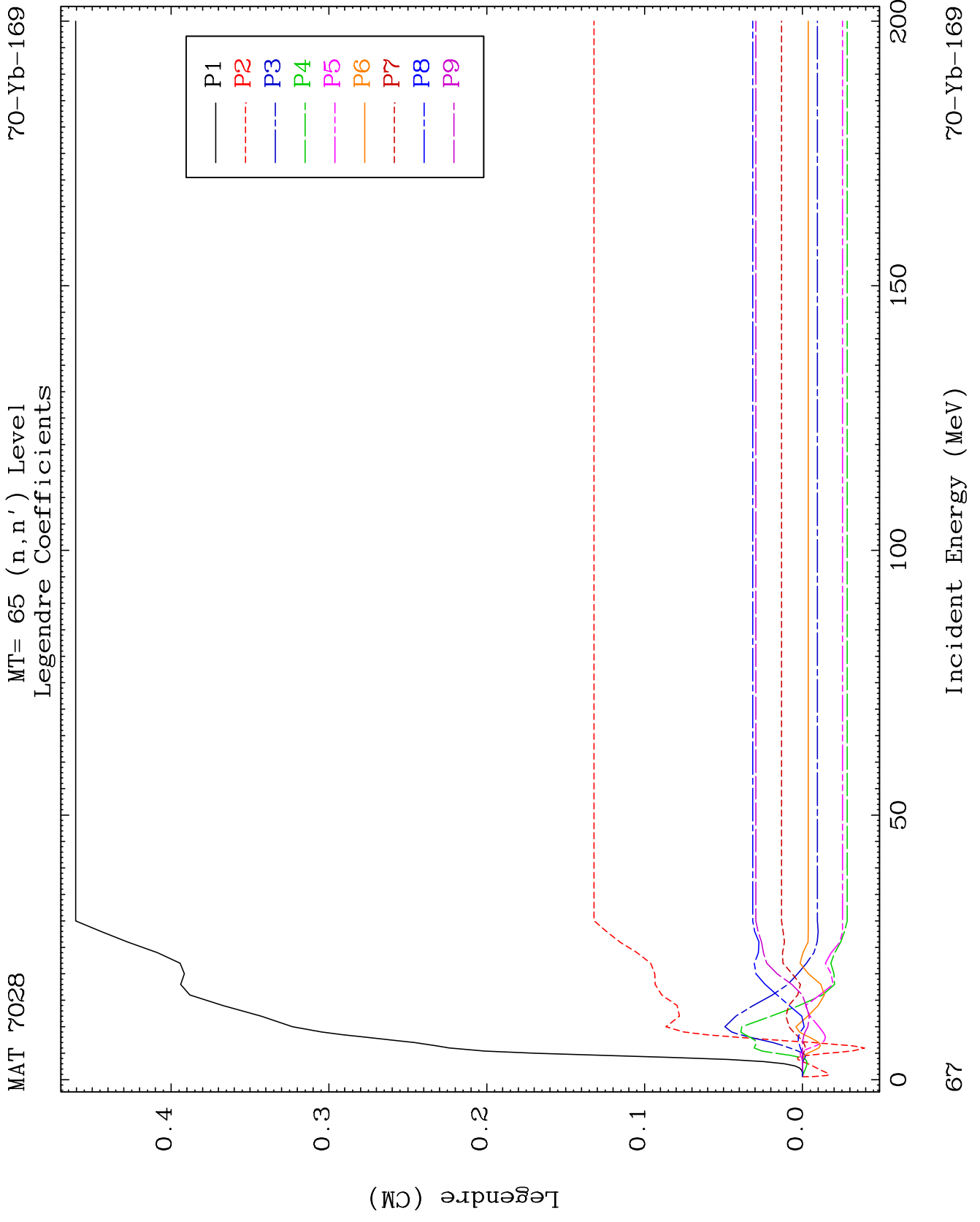
MT= 64 (n,n') Level  
Legendre Coefficients

70-Yb-169



66

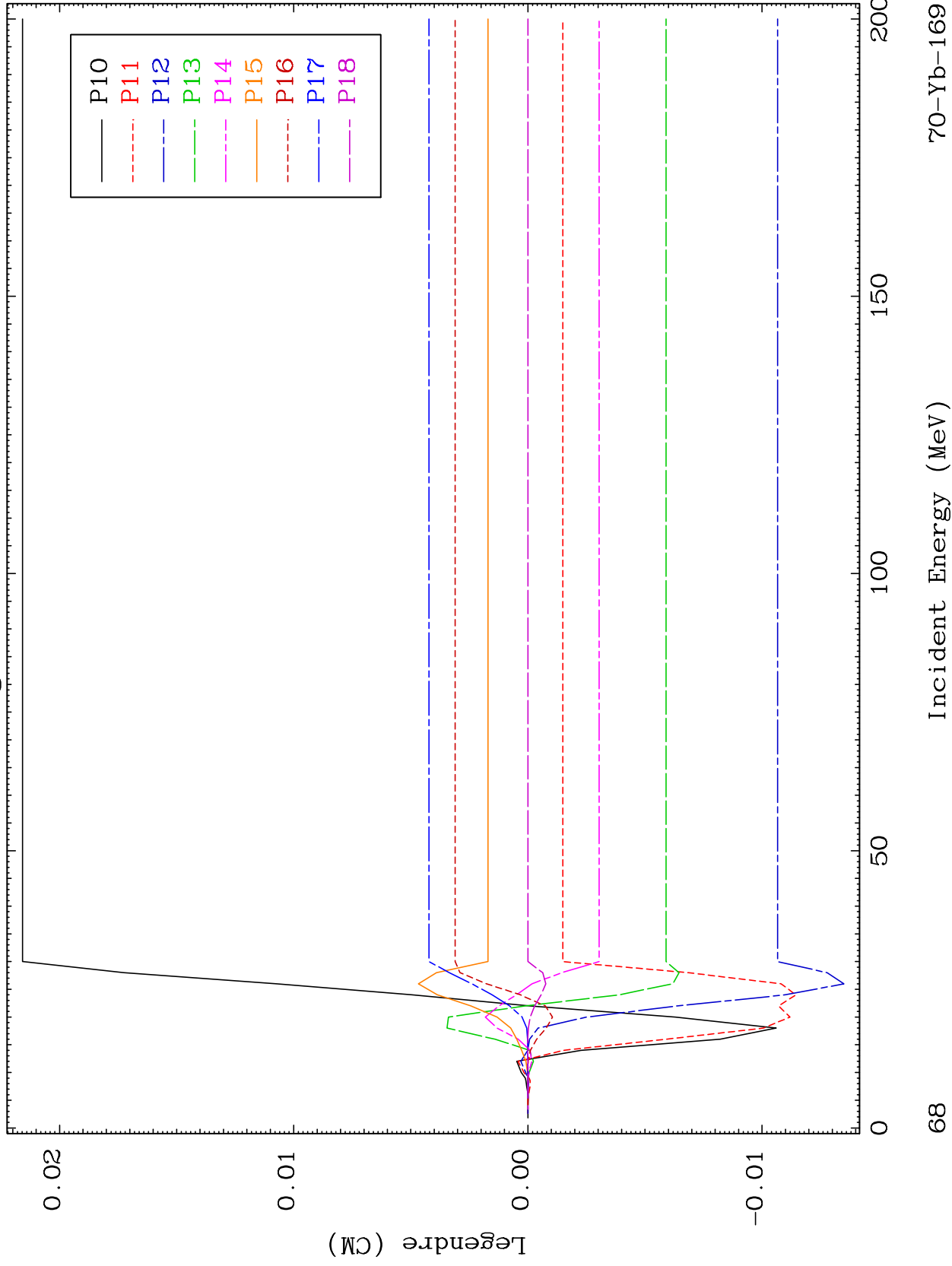
70-Yb-169



MAT 7028

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

70-Yb-169



70-Yb-169

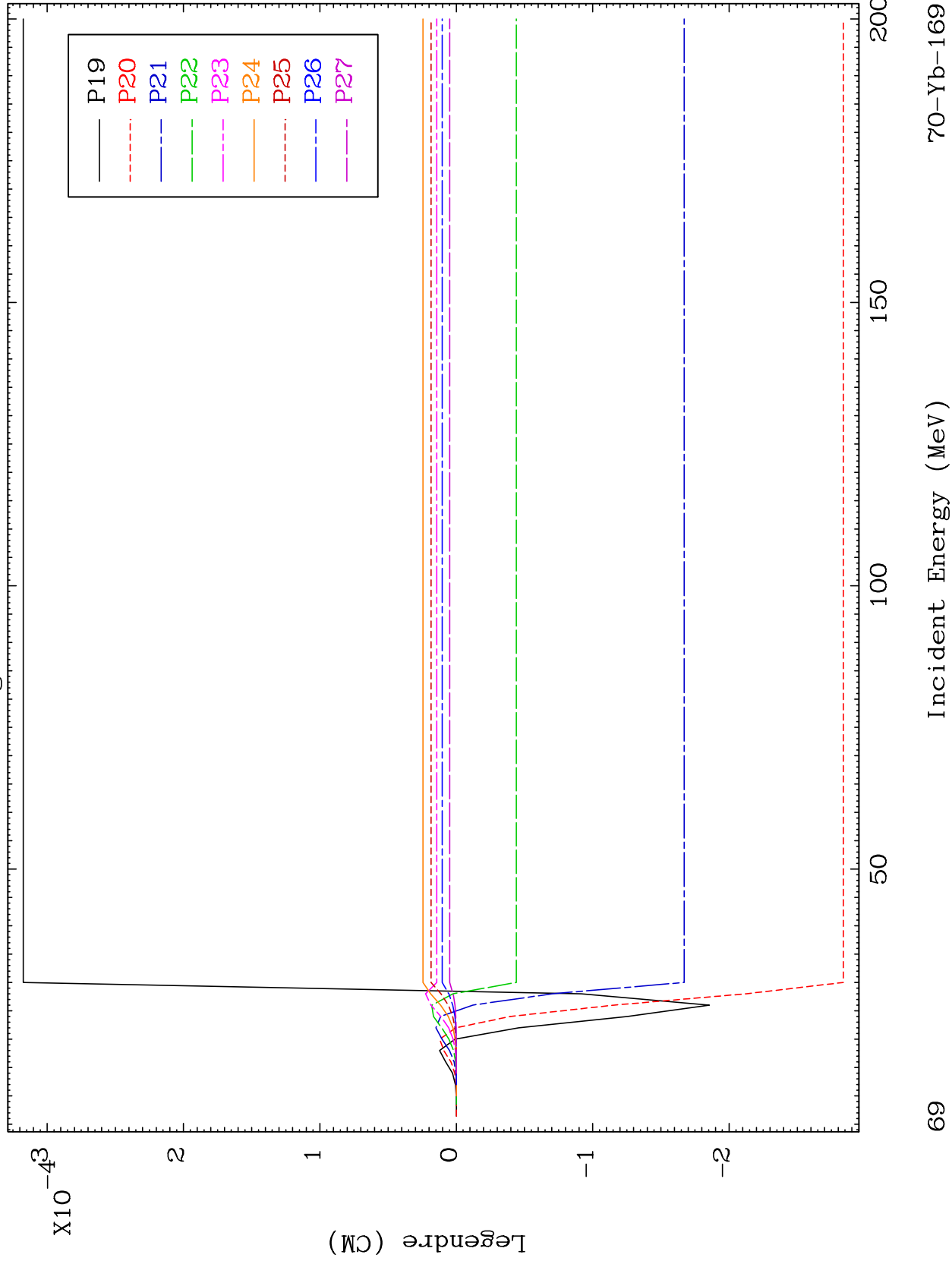
Incident Energy (MeV)

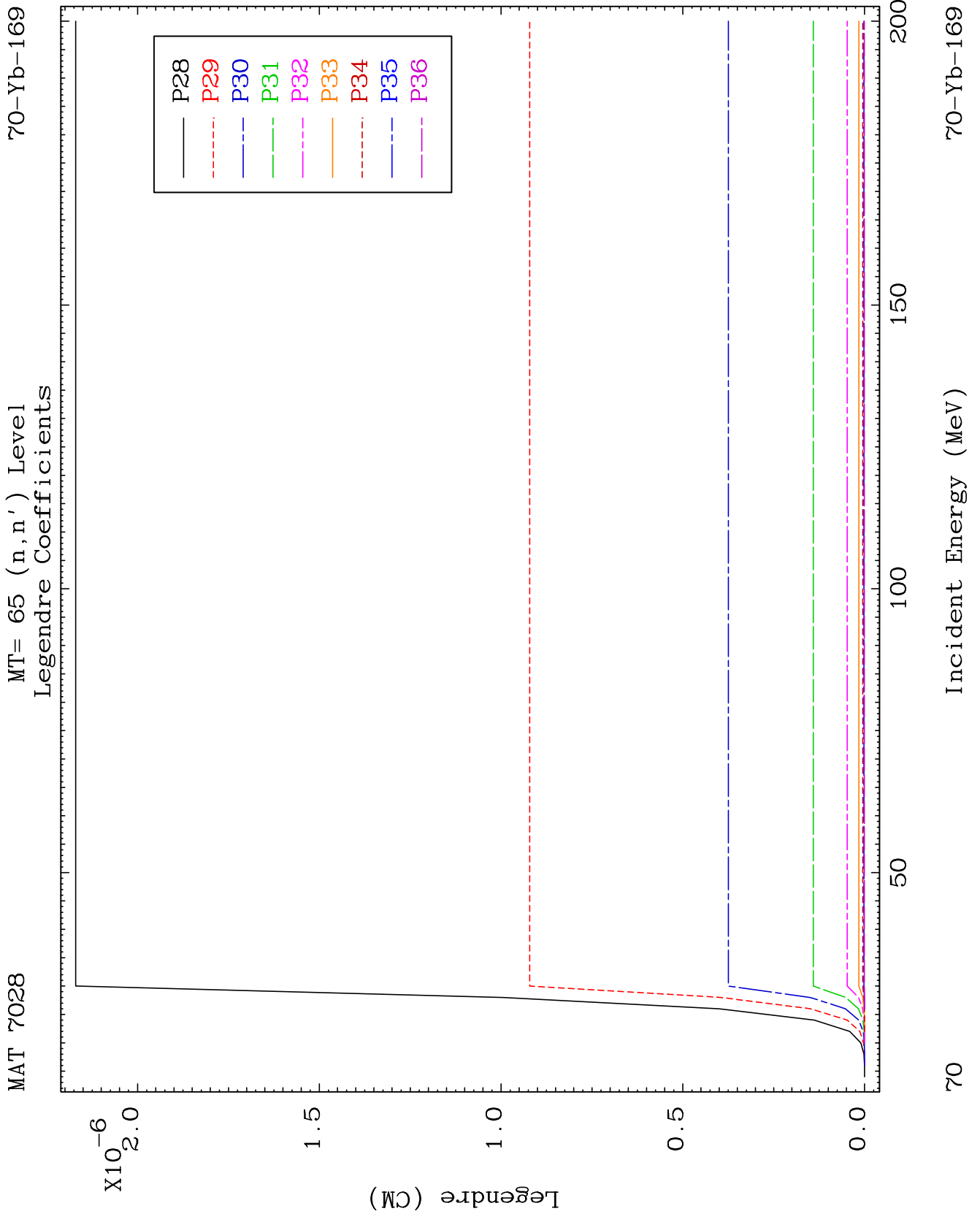
68

MAT 7028

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

70-Yb-169

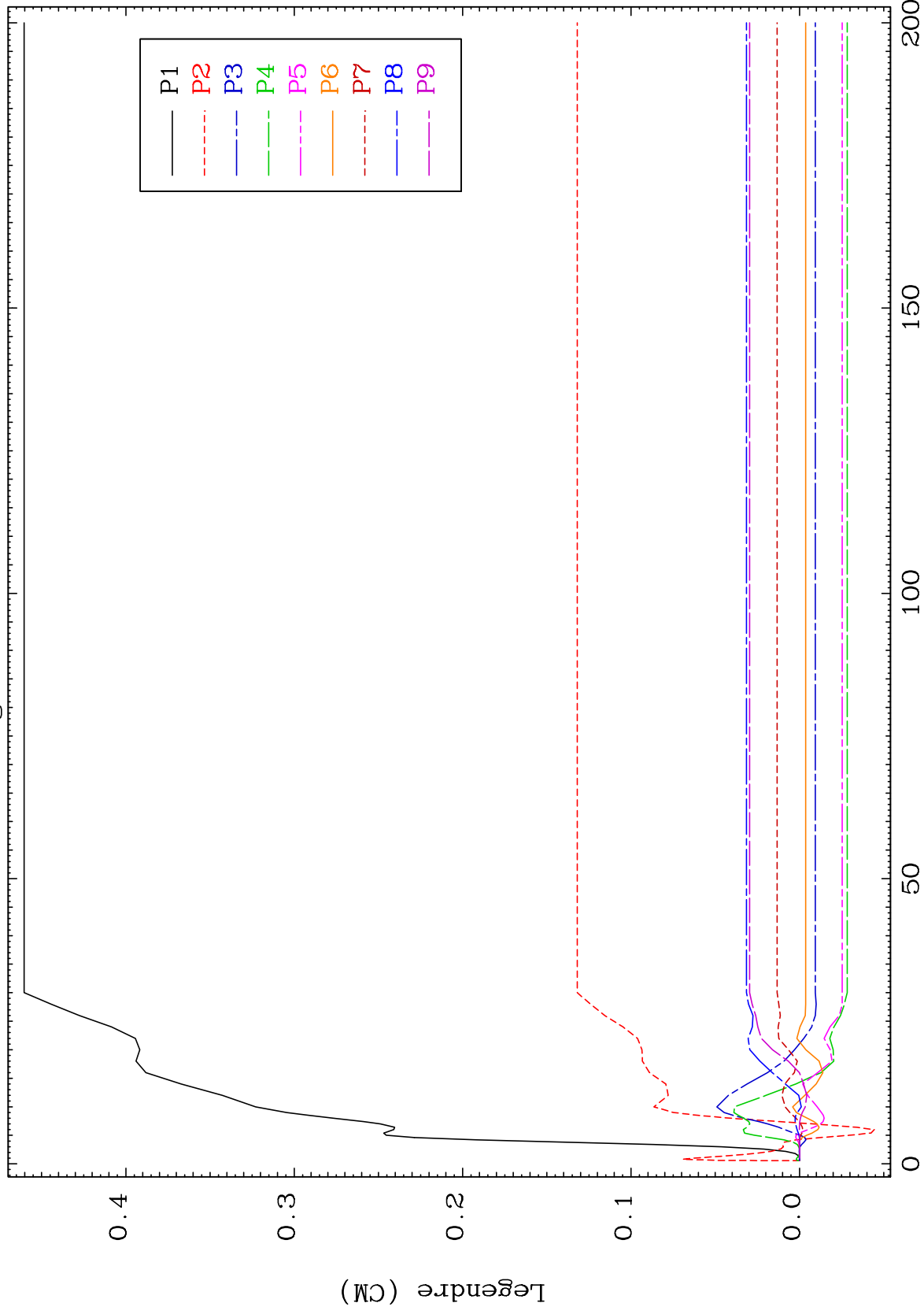




MAT 7028

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

70-Yb-169



71

Incident Energy (MeV)

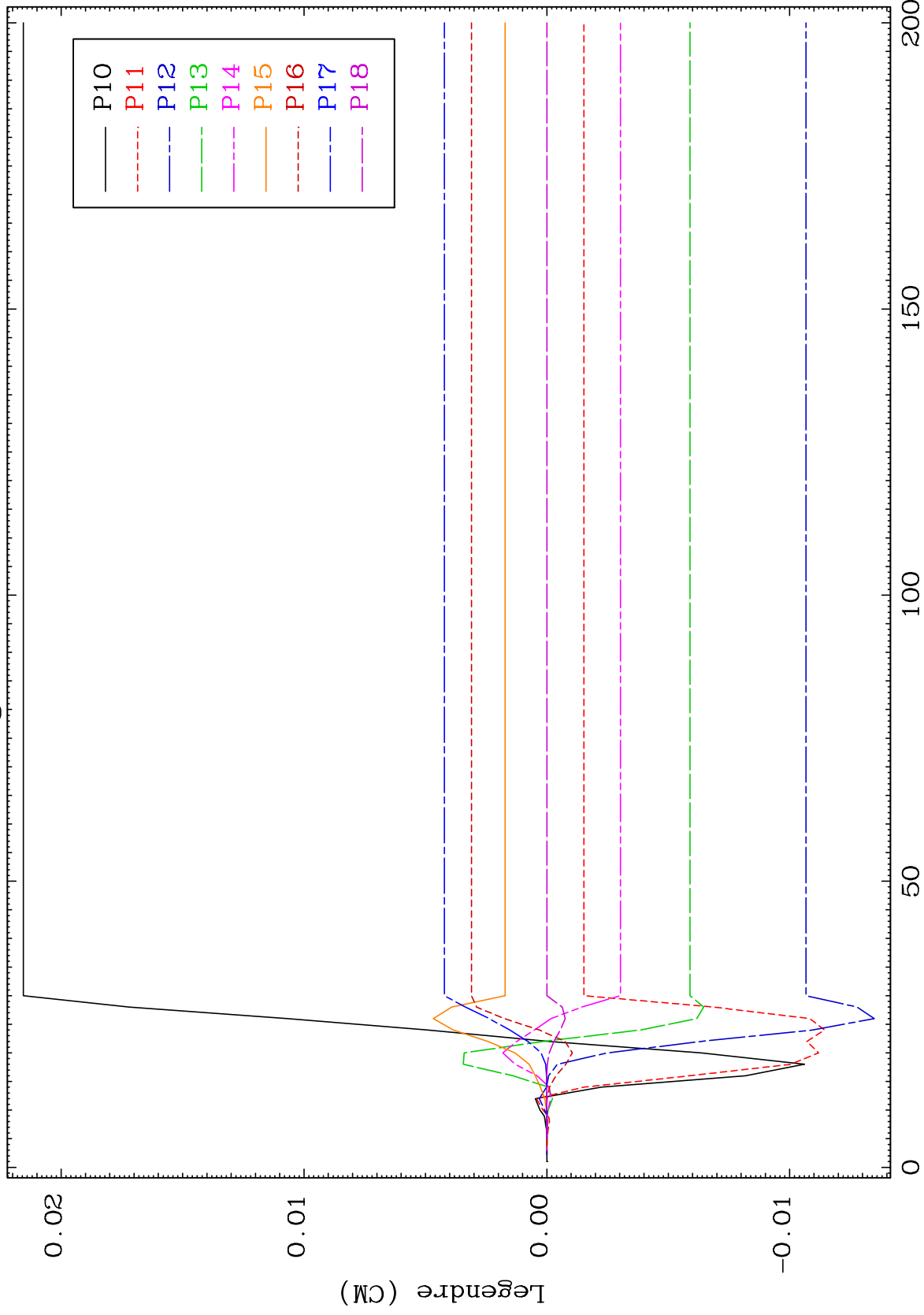
70-Yb-169



MAT 7028

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

70-Yb-169



72

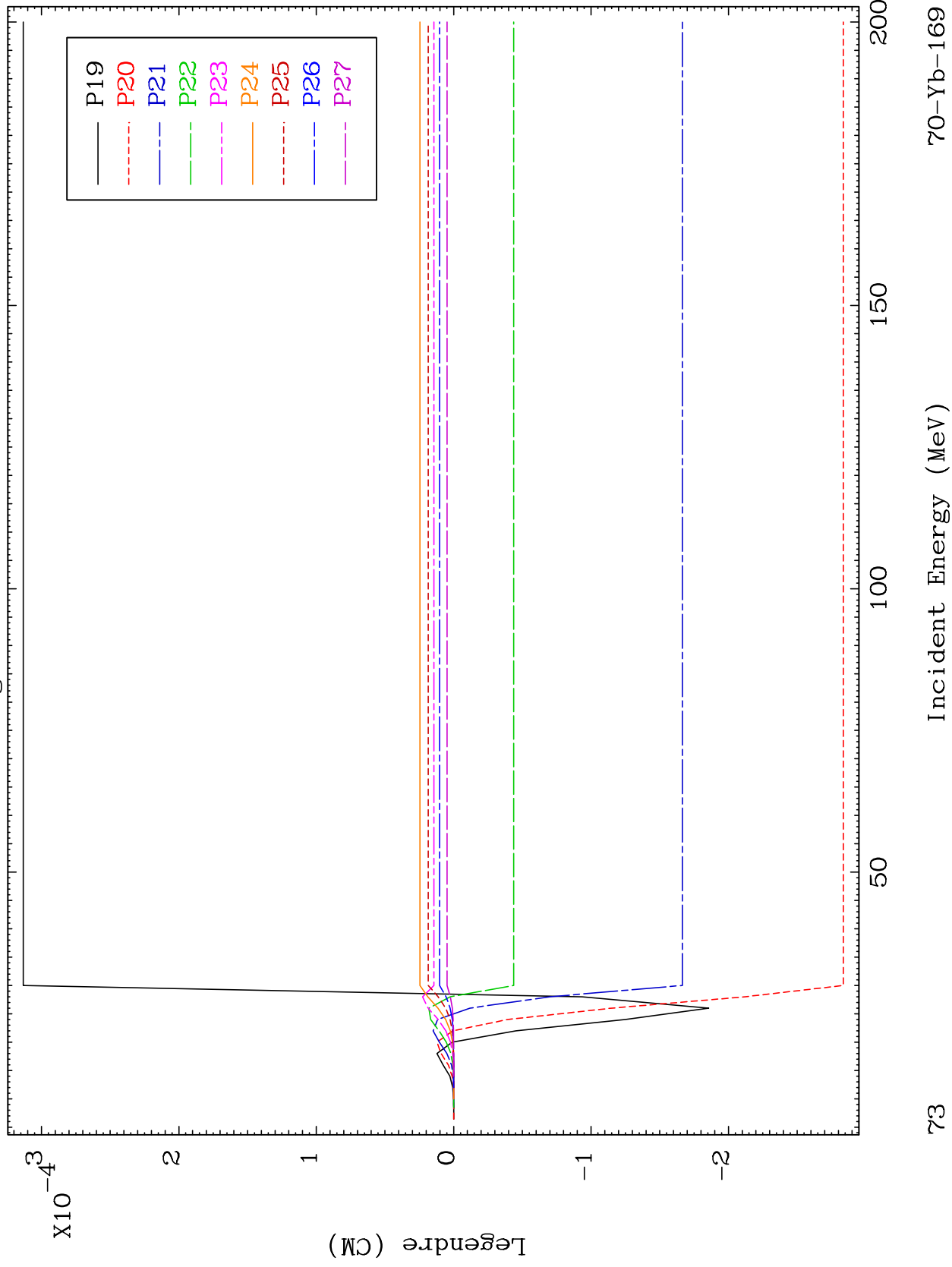
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

70-Yb-169

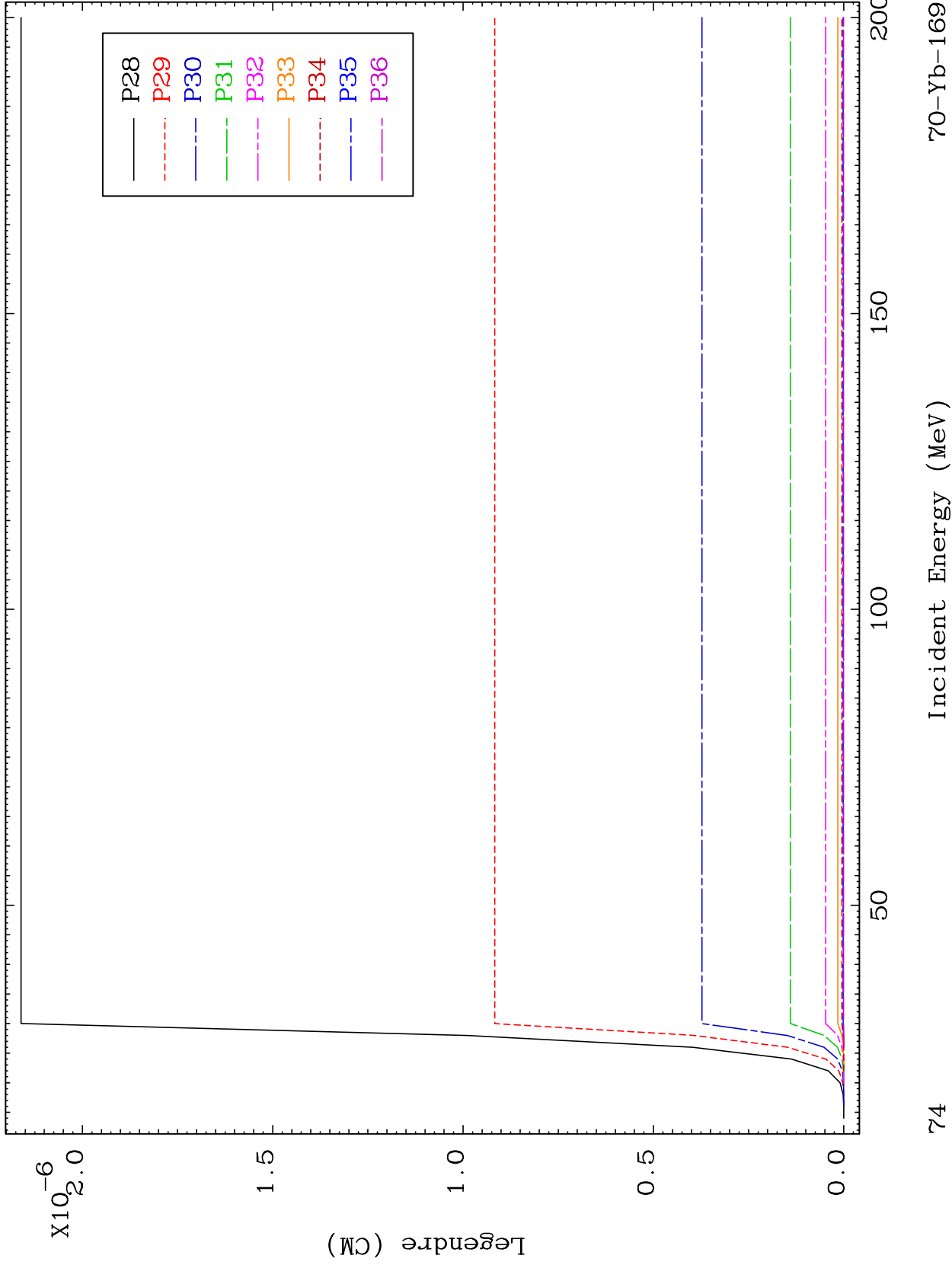


73

MAT 7028

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

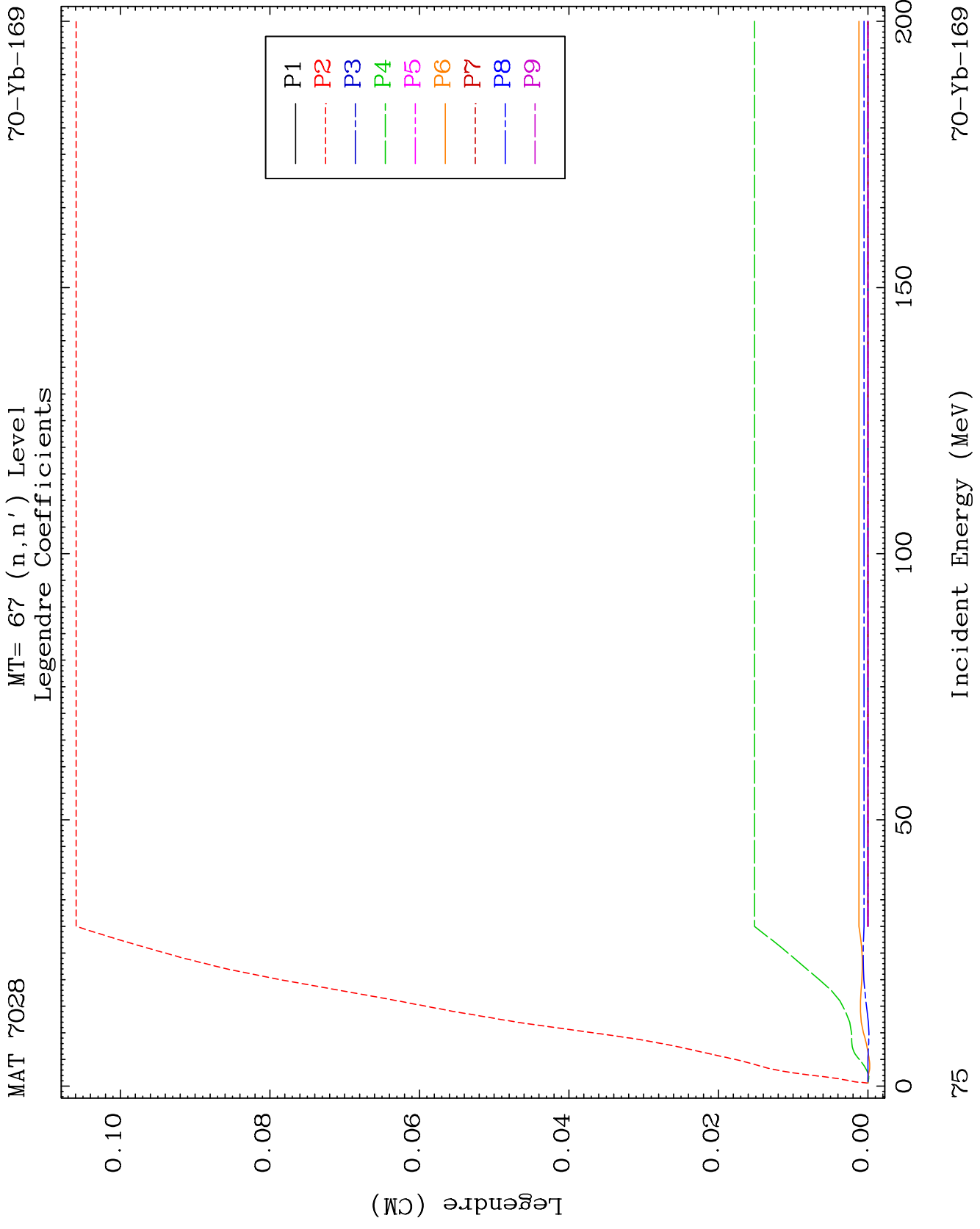
70-Yb-169



74

Incident Energy (MeV)

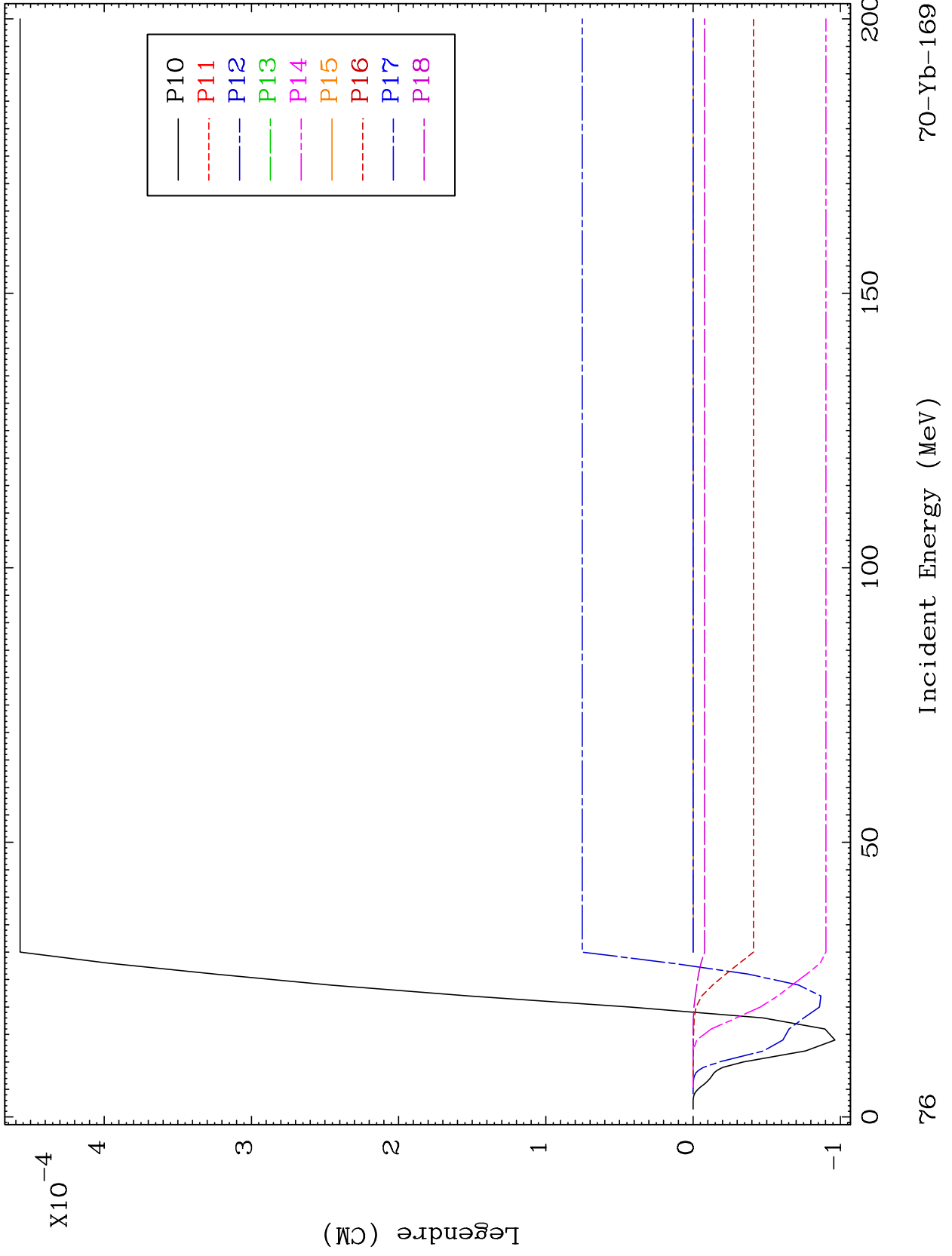
70-Yb-169



MAT 7028

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

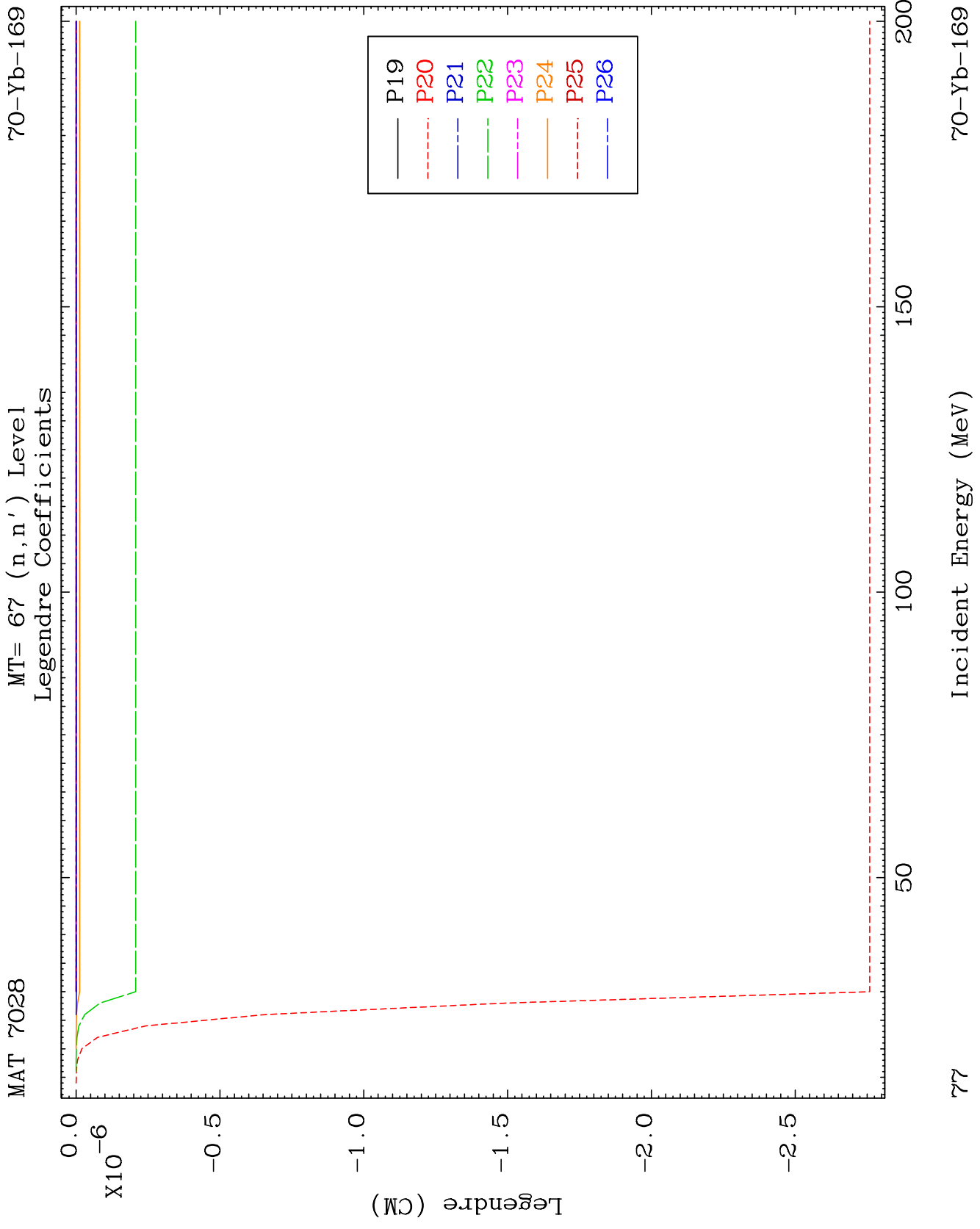
70-Yb-169

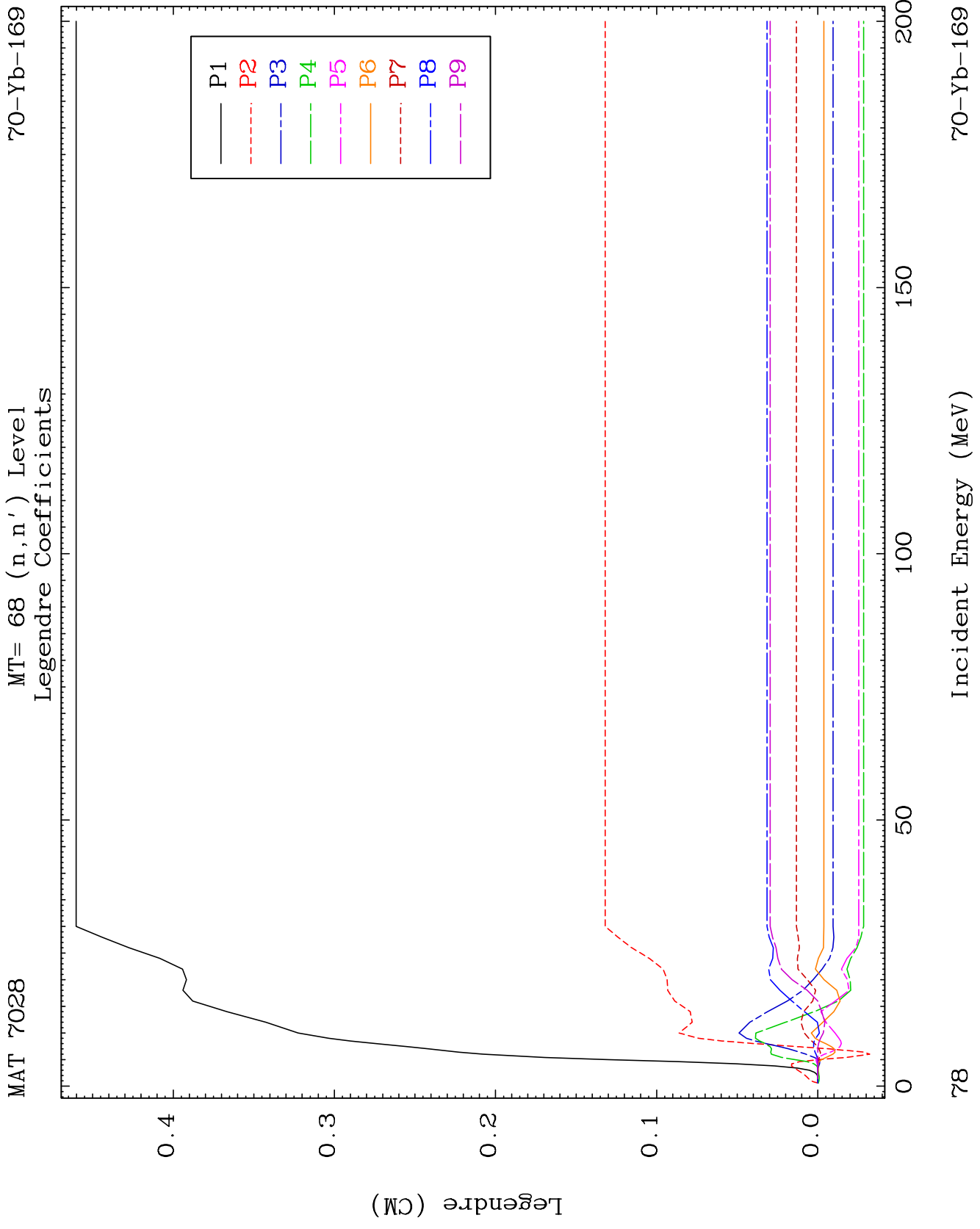


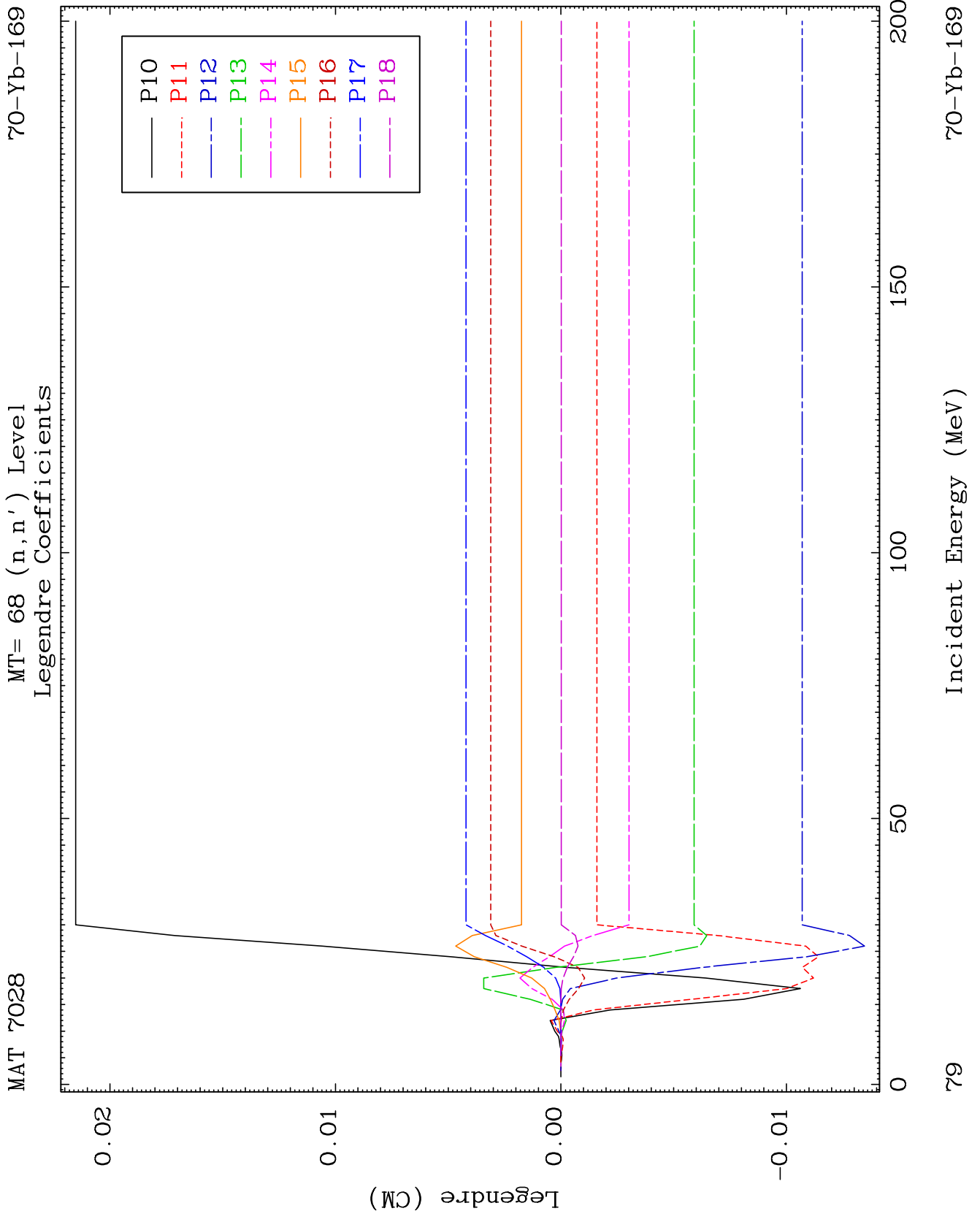
76

Incident Energy (MeV)

70-Yb-169





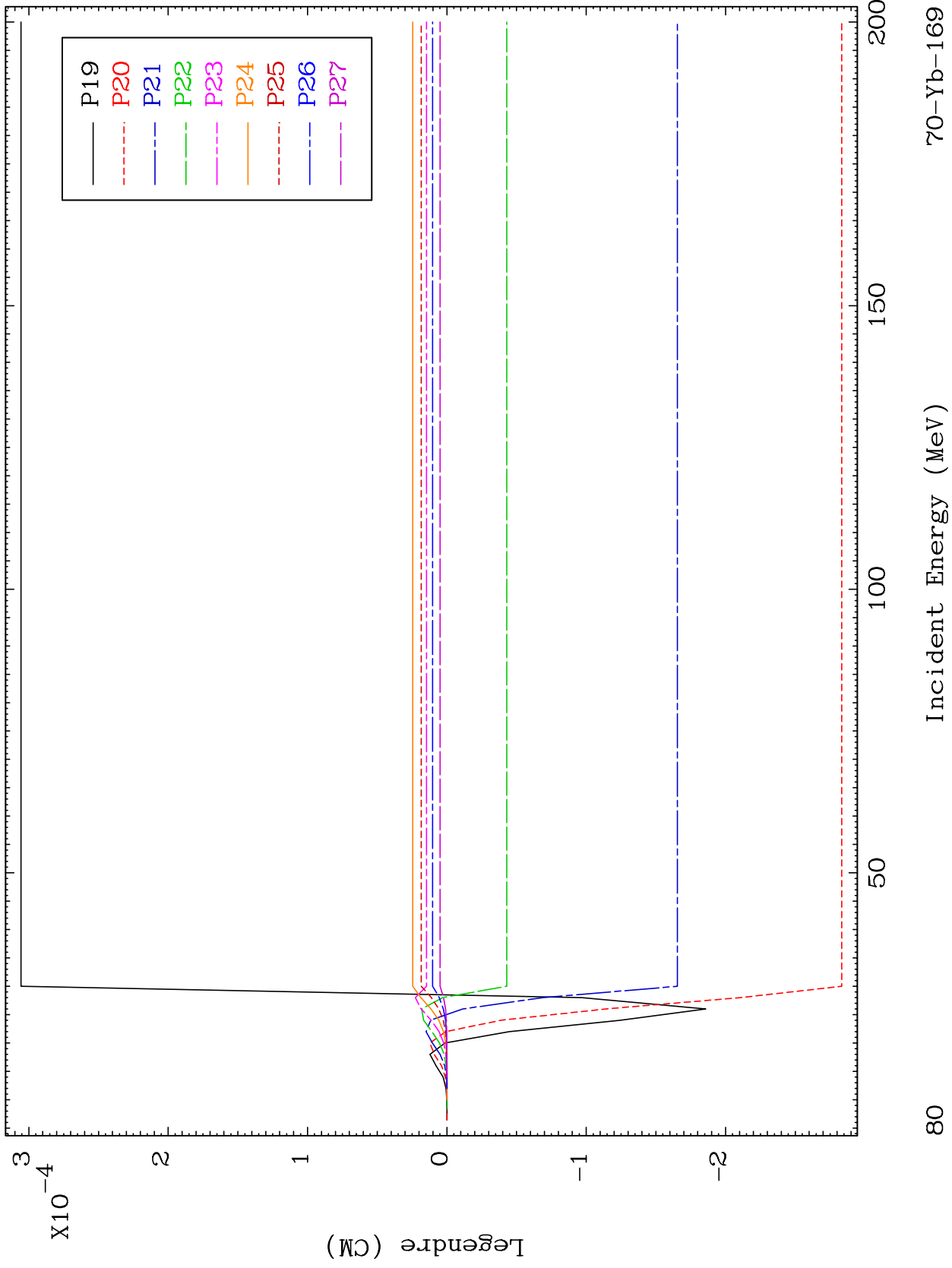




MAT 7028

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

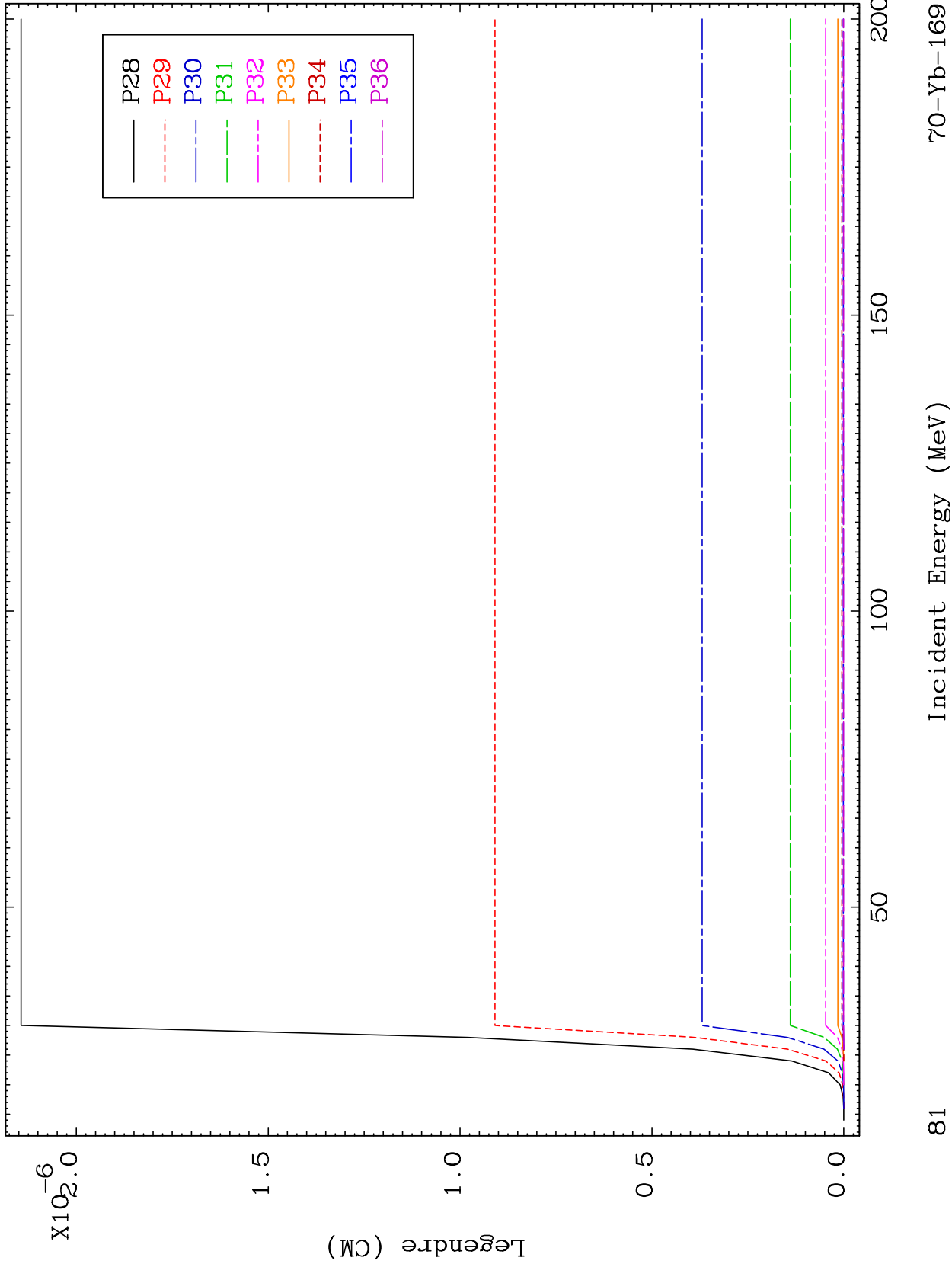
70-Yb-169



MAT 7028

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

70-Yb-169



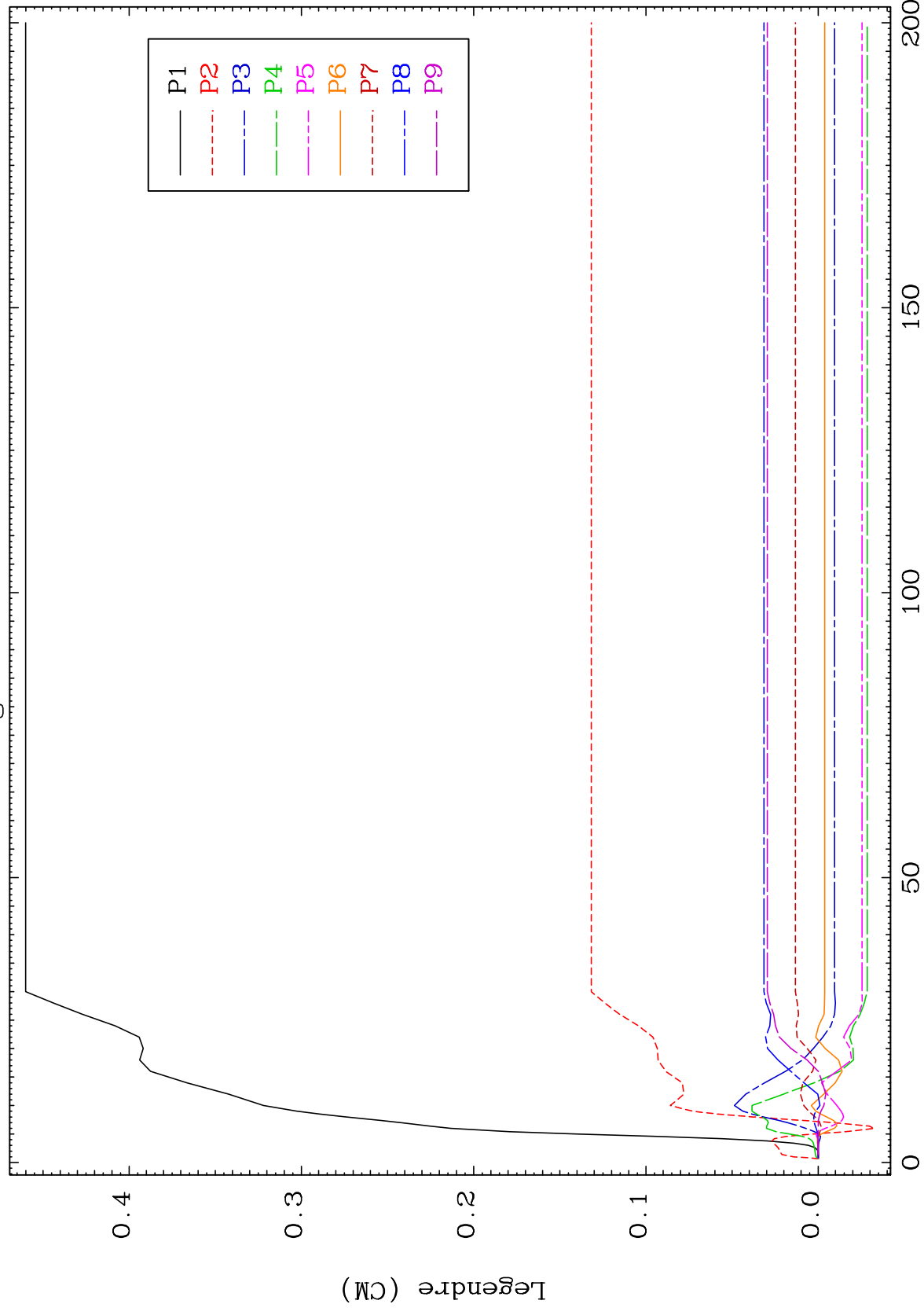
81

70-Yb-169

MAT 7028

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

70-Yb-169



82

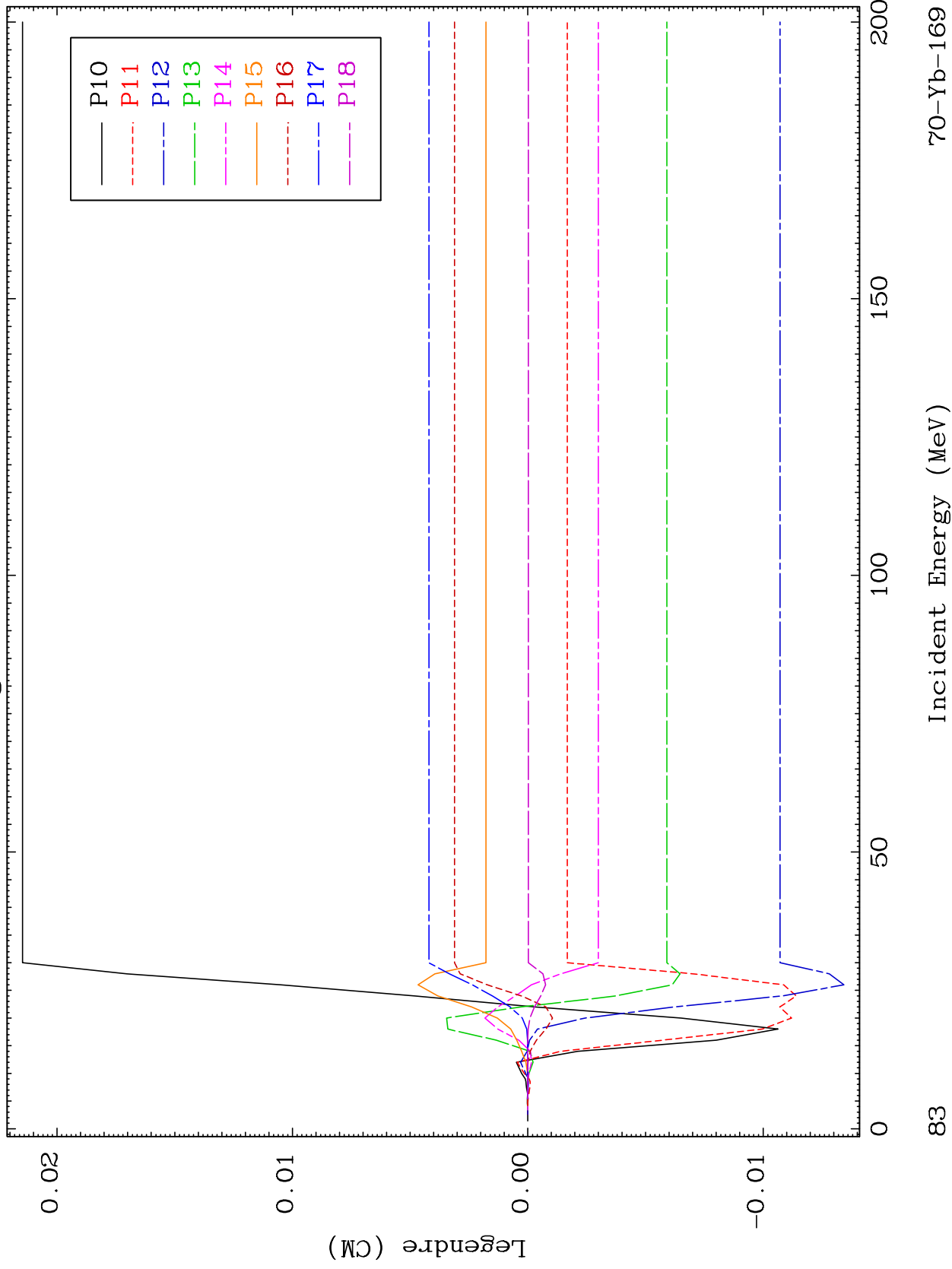
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

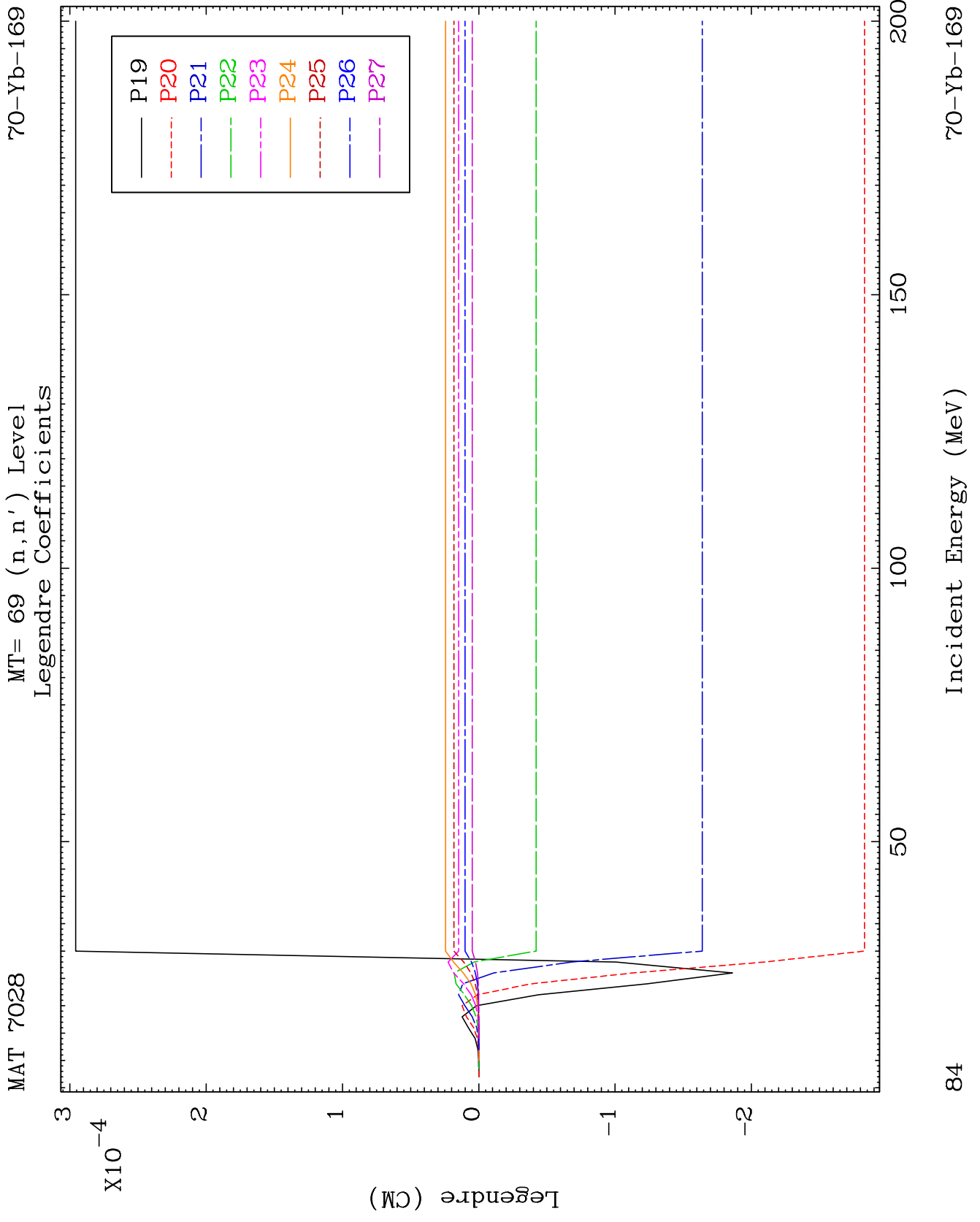
70-Yb-169



83

Incident Energy (MeV)

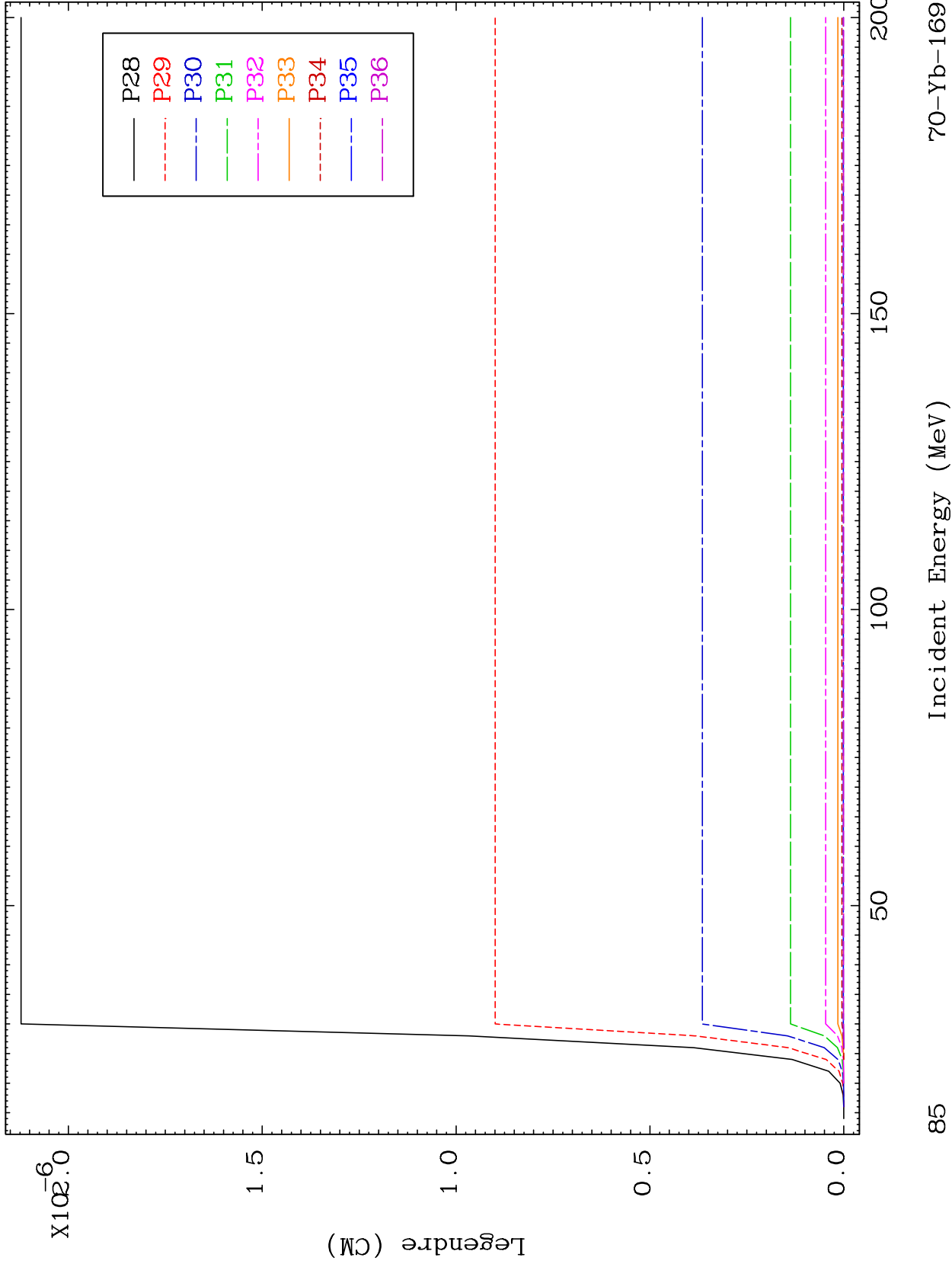
70-Yb-169



MAT 7028

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

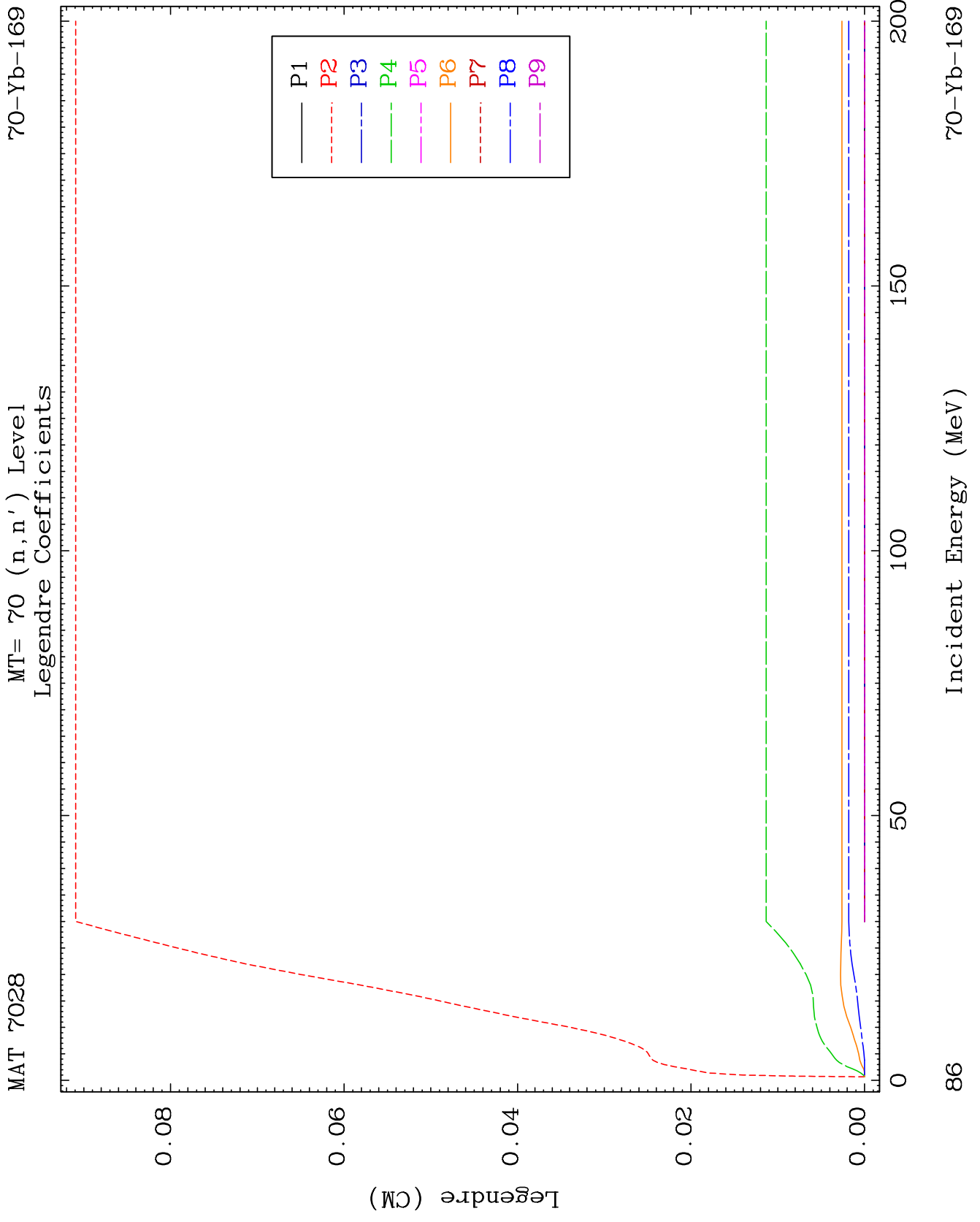
70-Yb-169



85

Incident Energy (MeV)

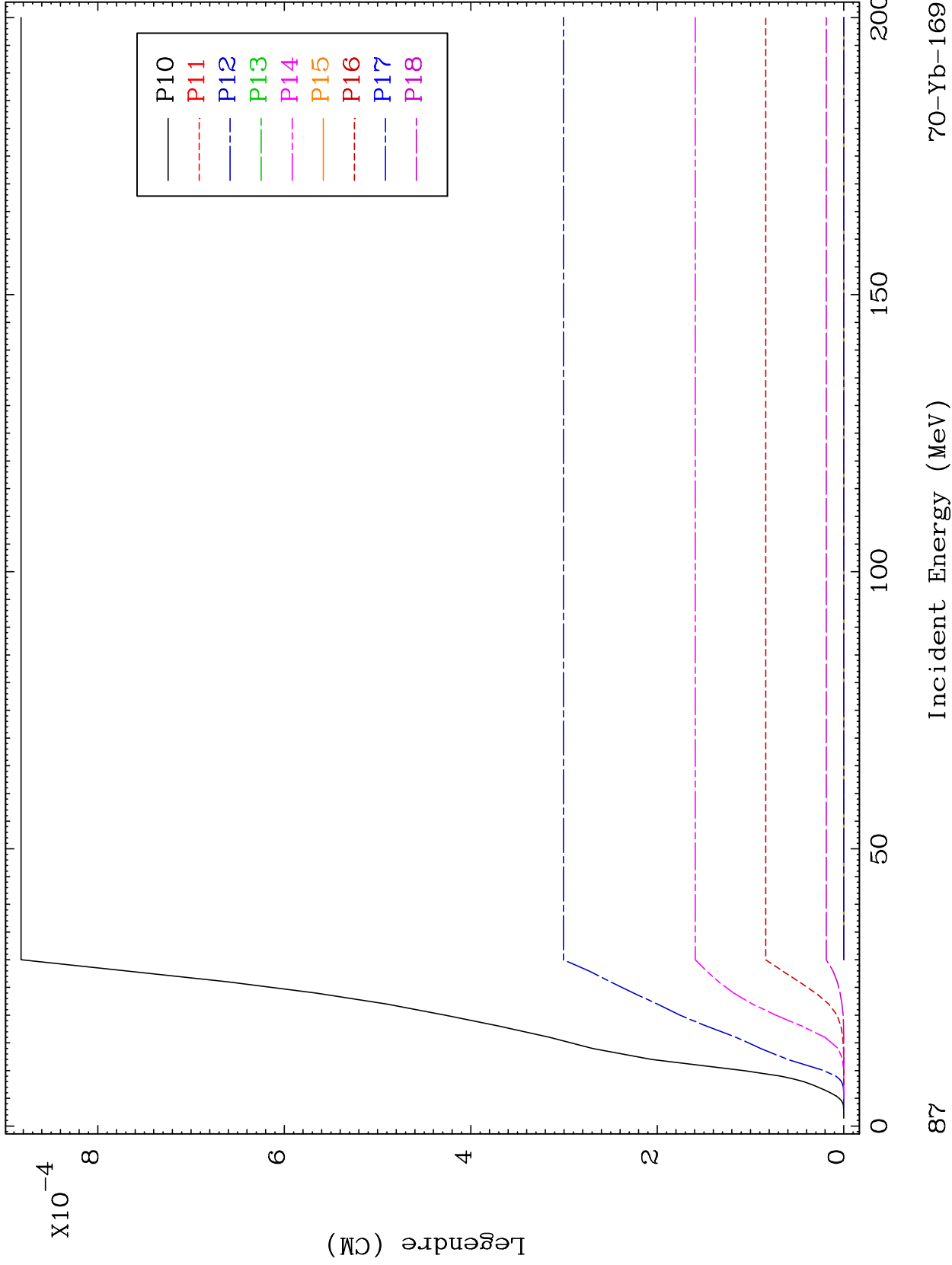
70-Yb-169



MAT 7028

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

70-Yb-169

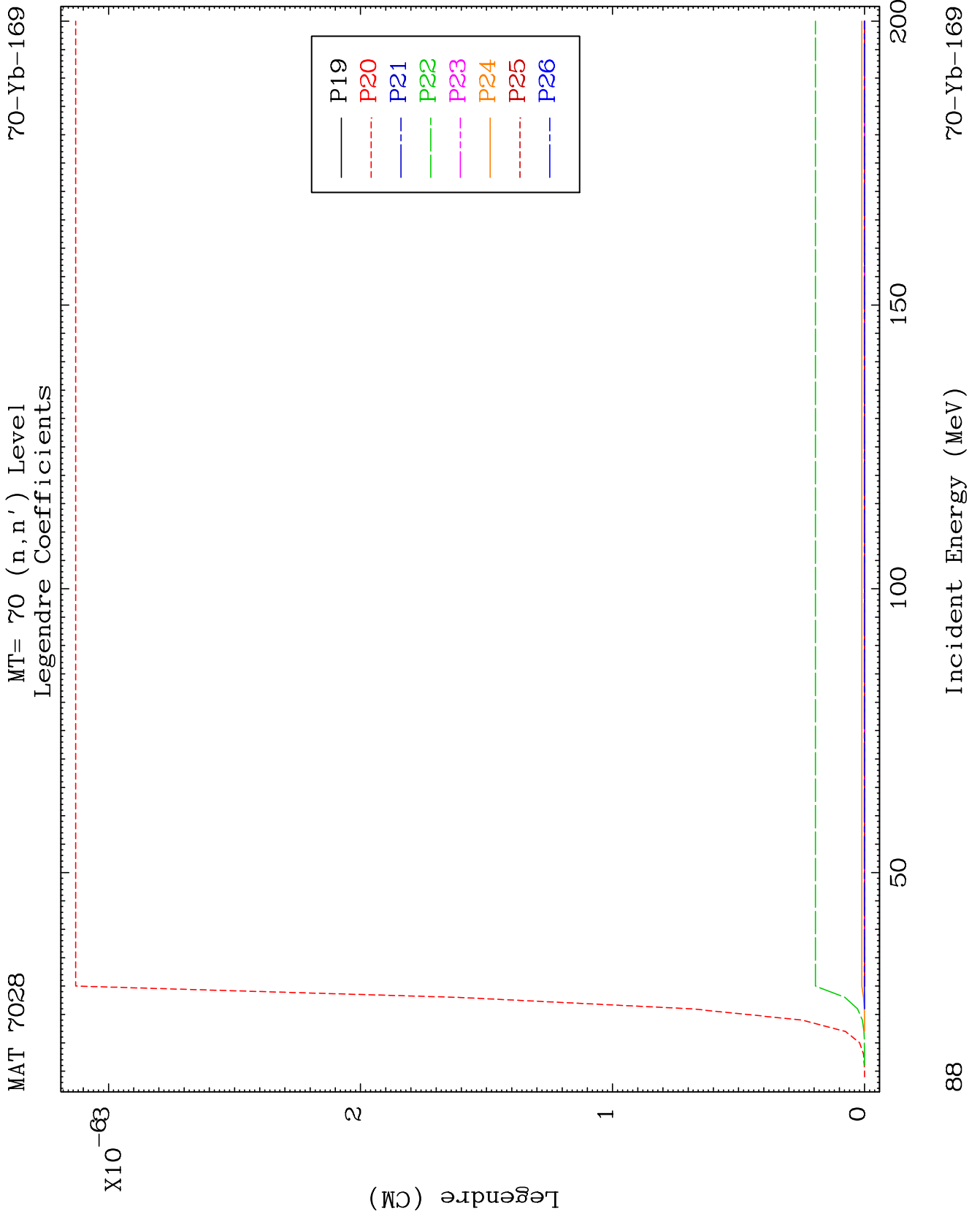


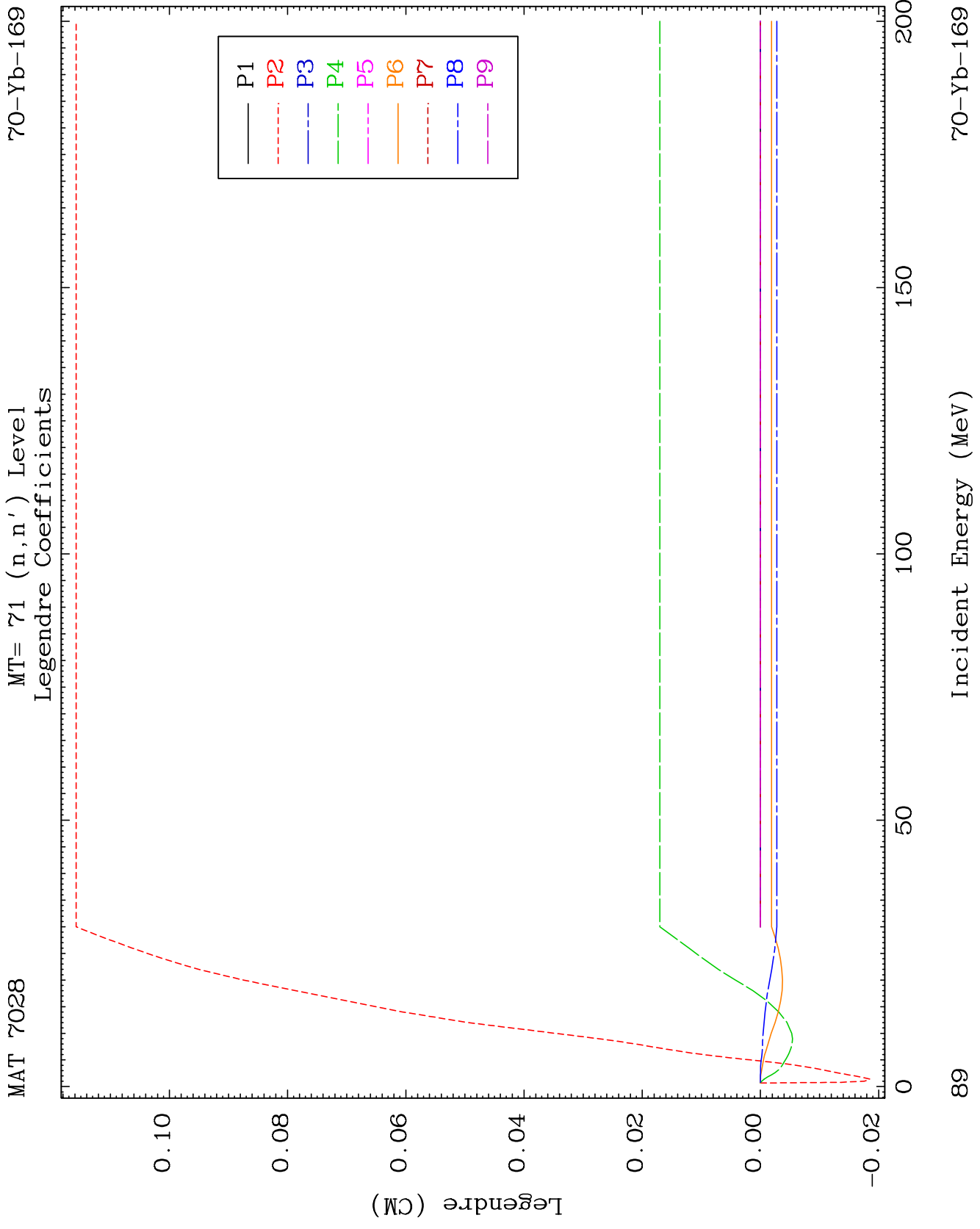
87

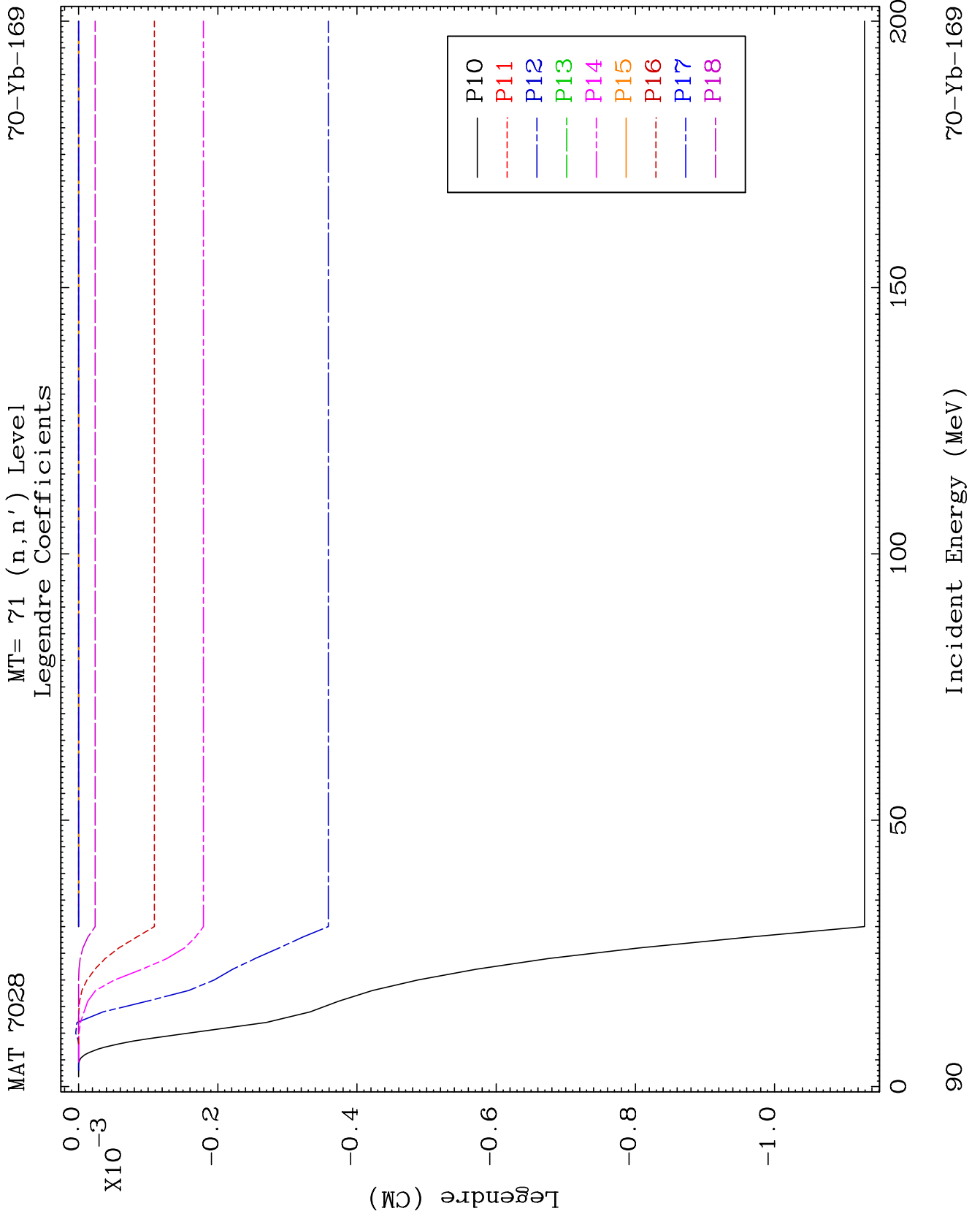
Incident Energy (MeV)

70-Yb-169

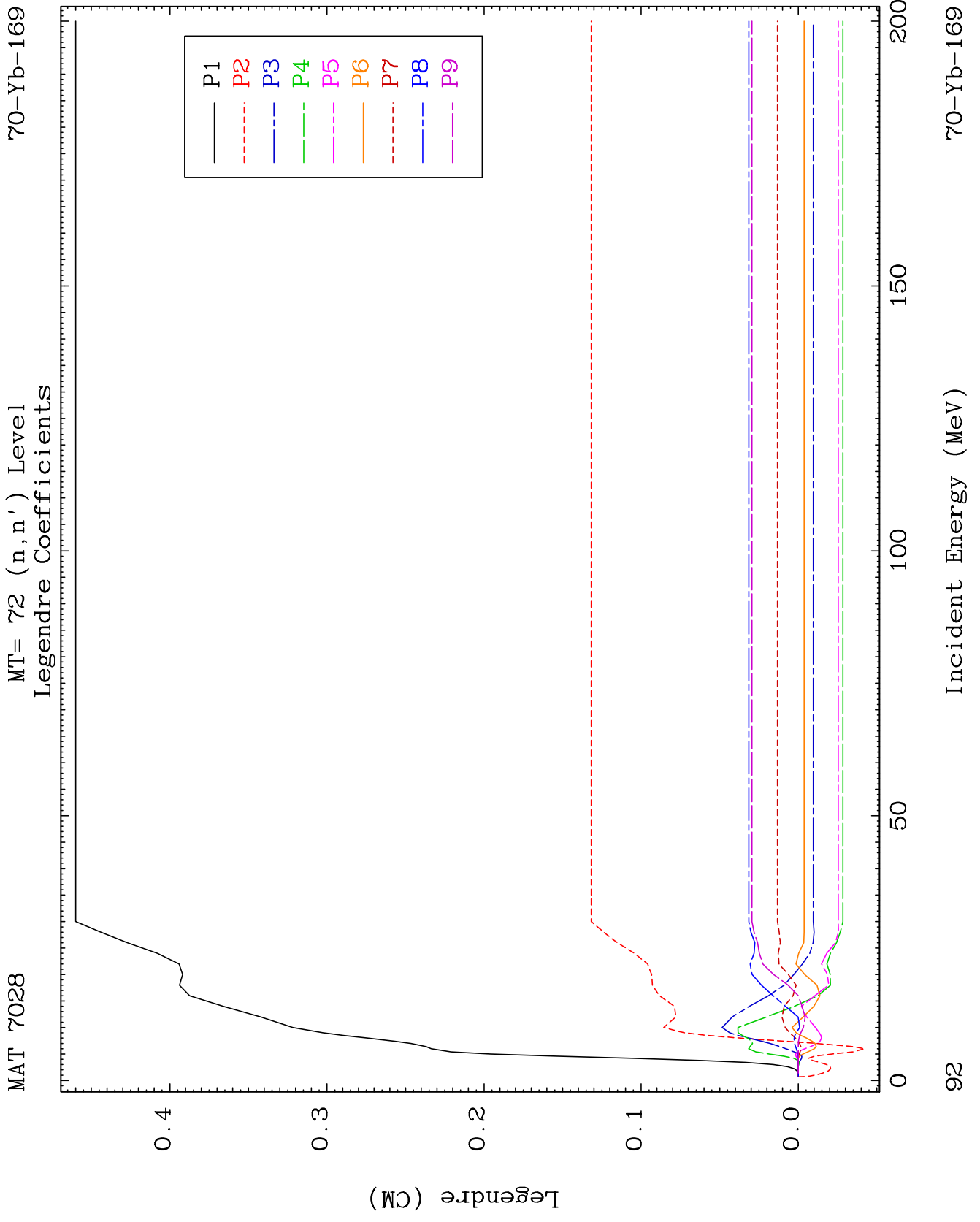








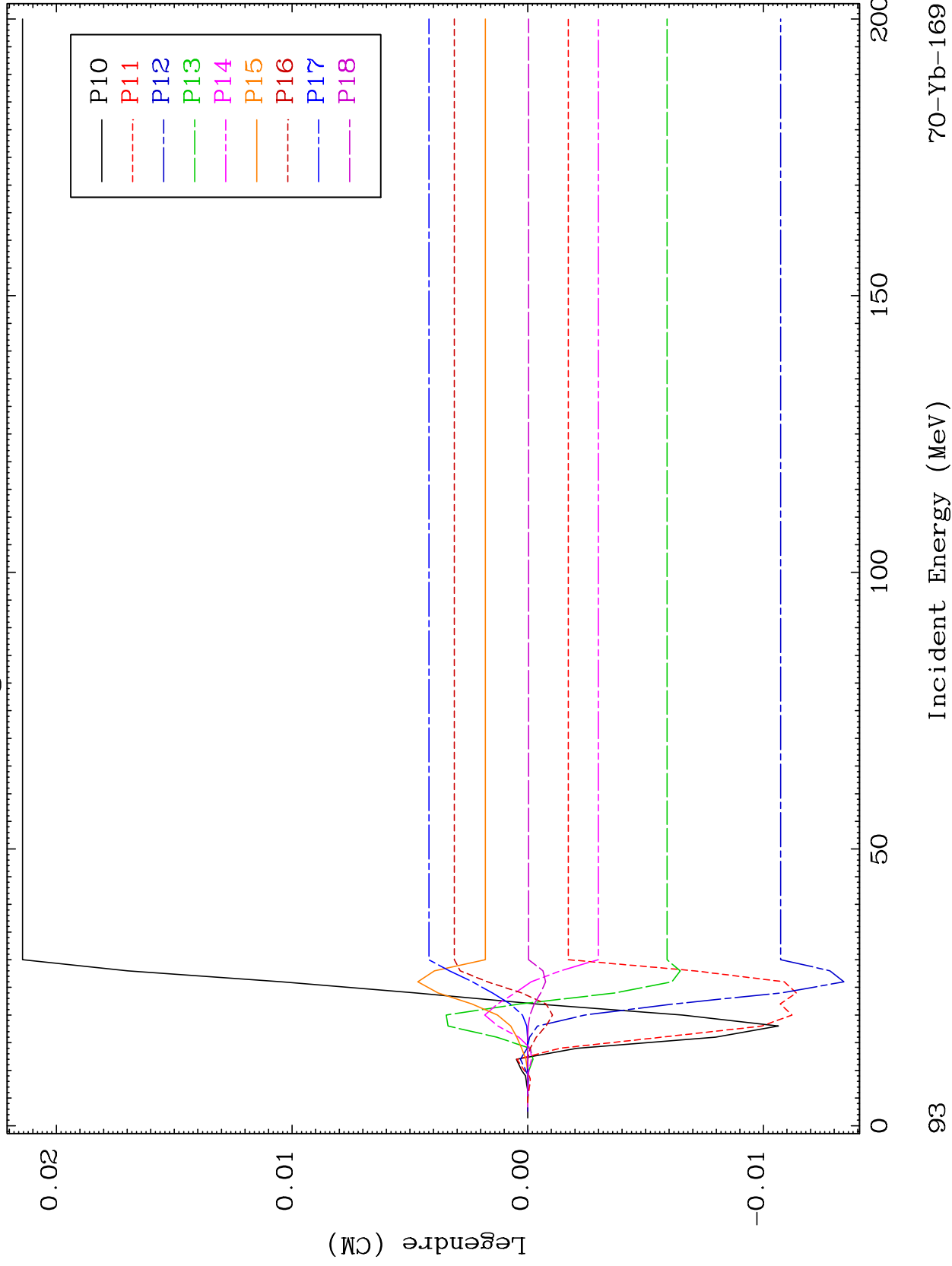




MAT 7028

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

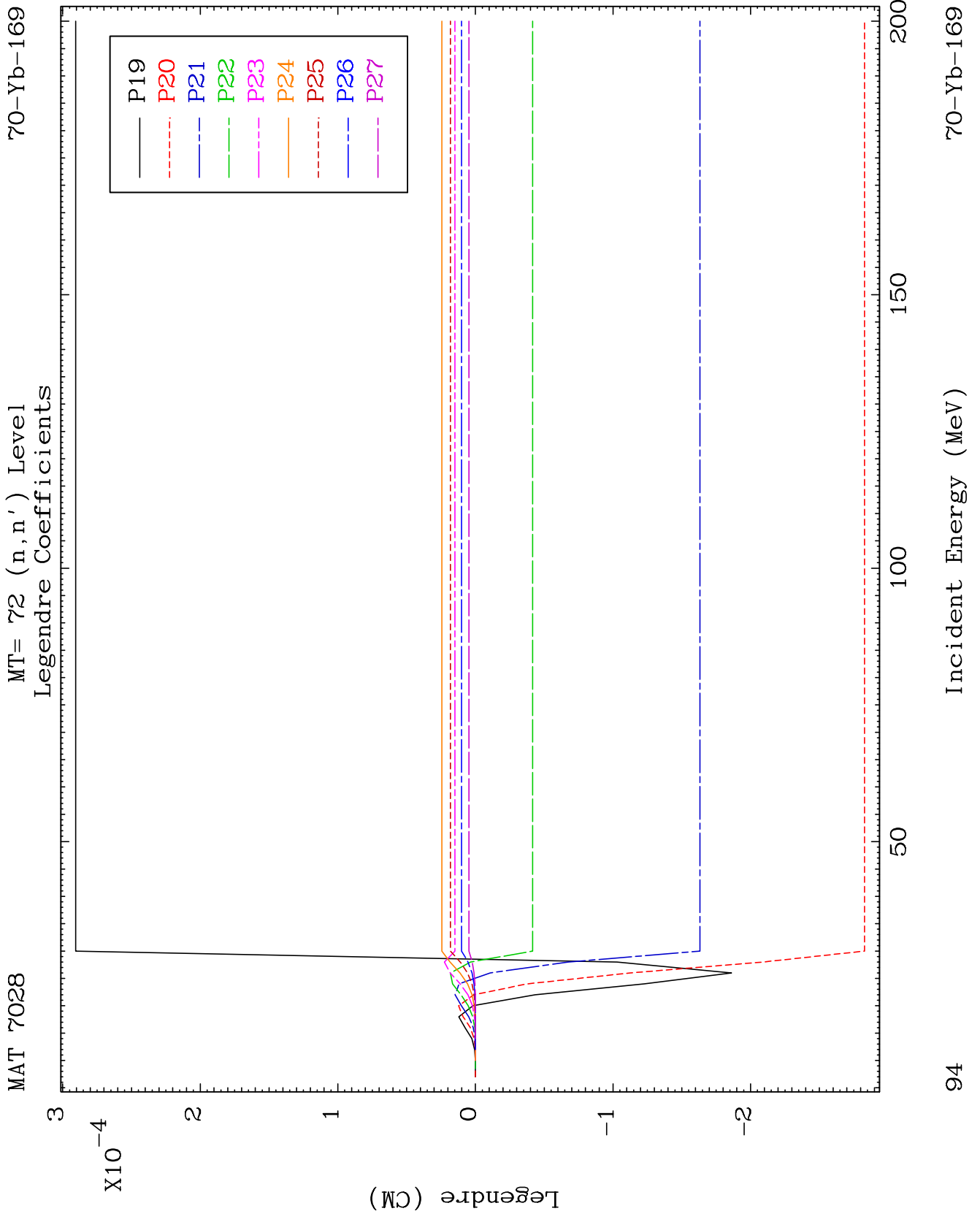
70-Yb-169



93

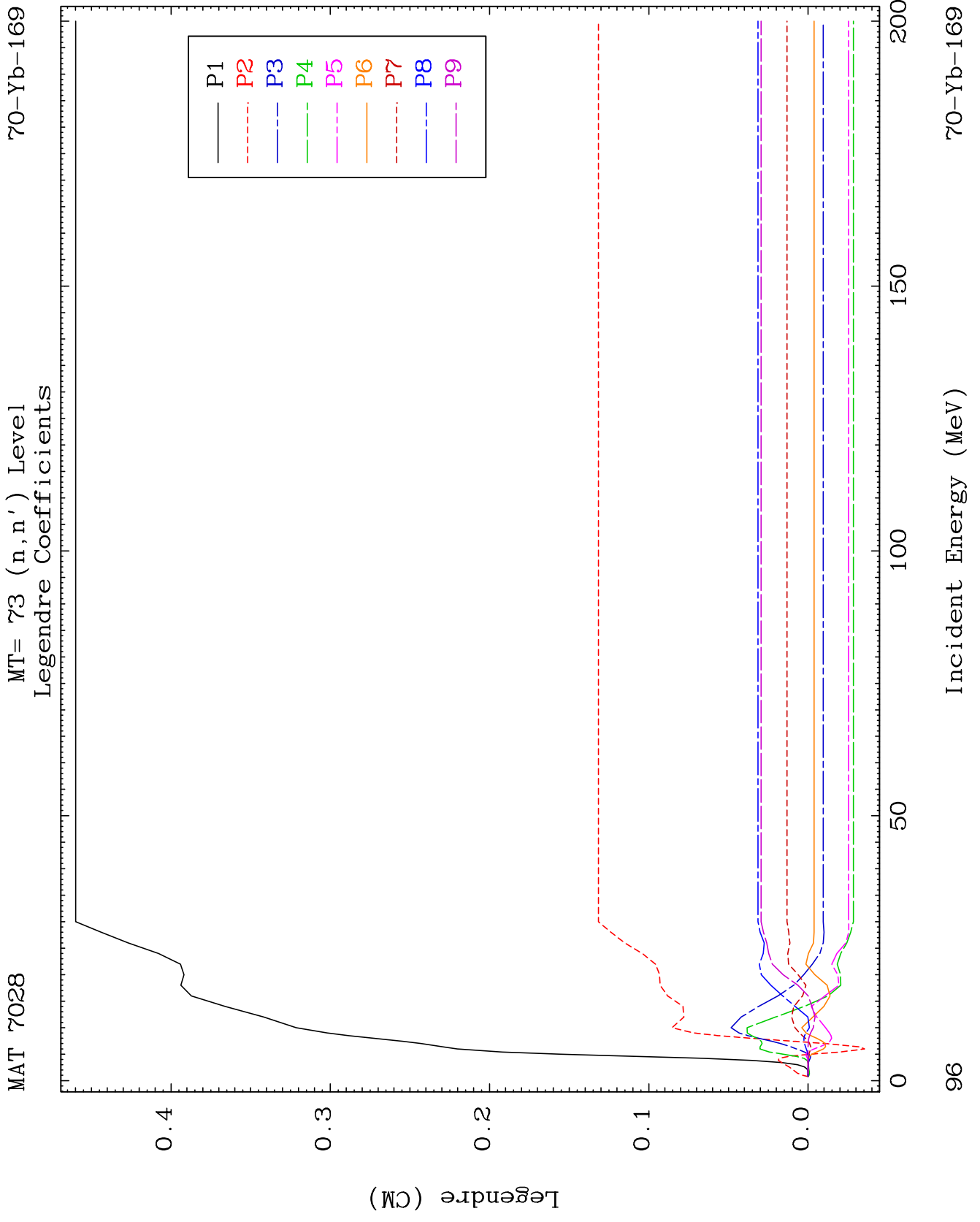
Incident Energy (MeV)

70-Yb-169





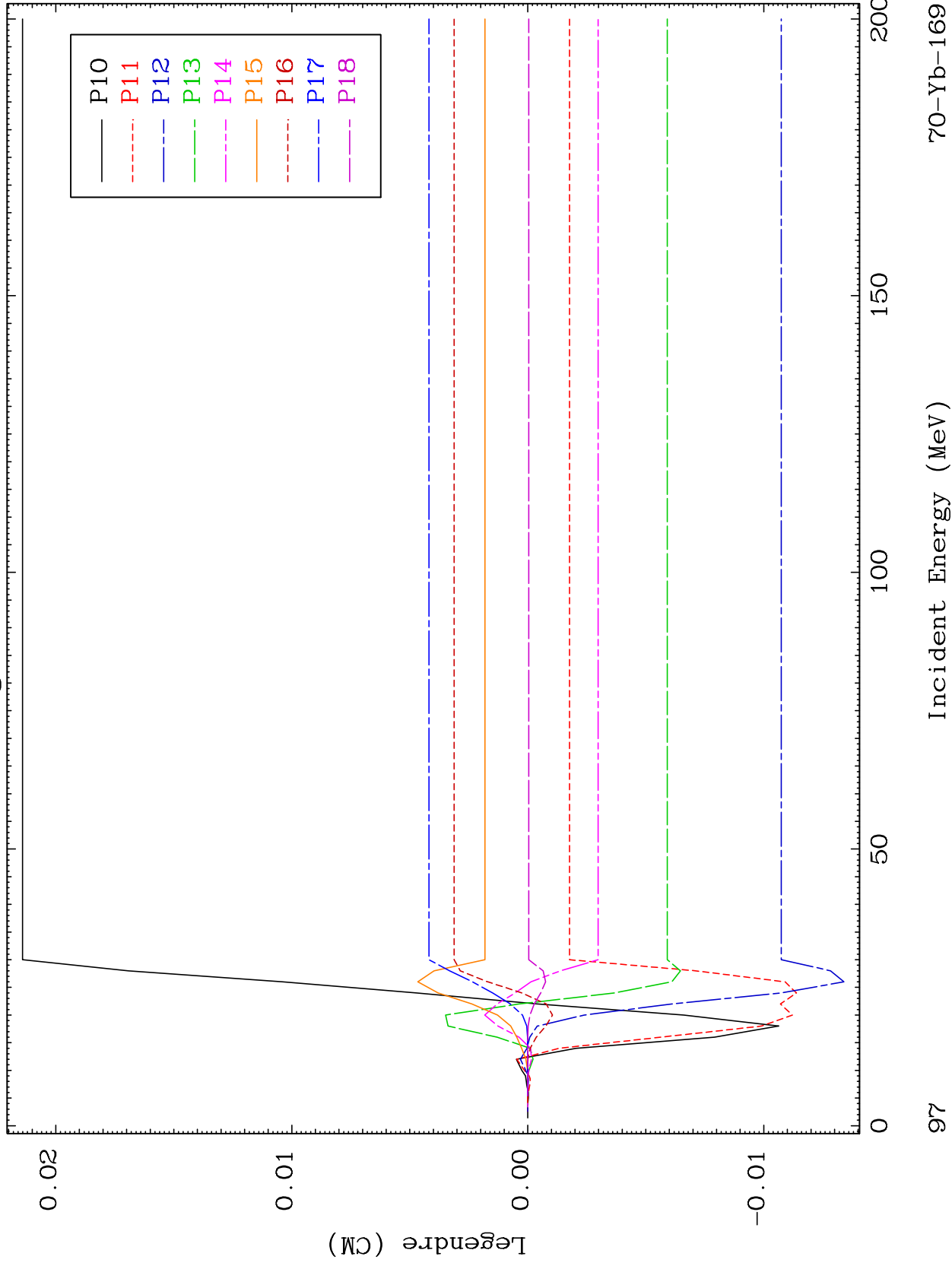




MAT 7028

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

70-Yb-169



97

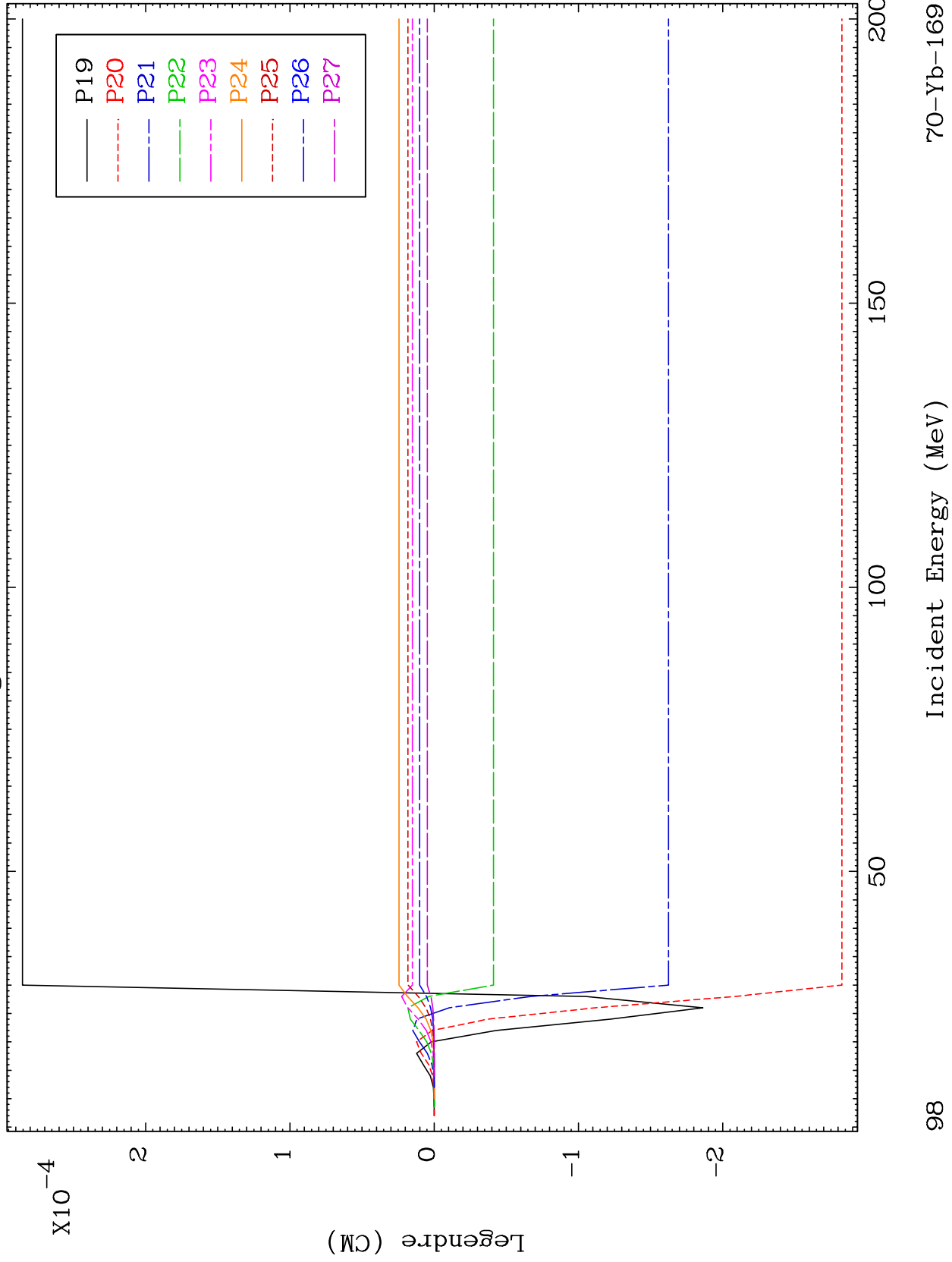
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

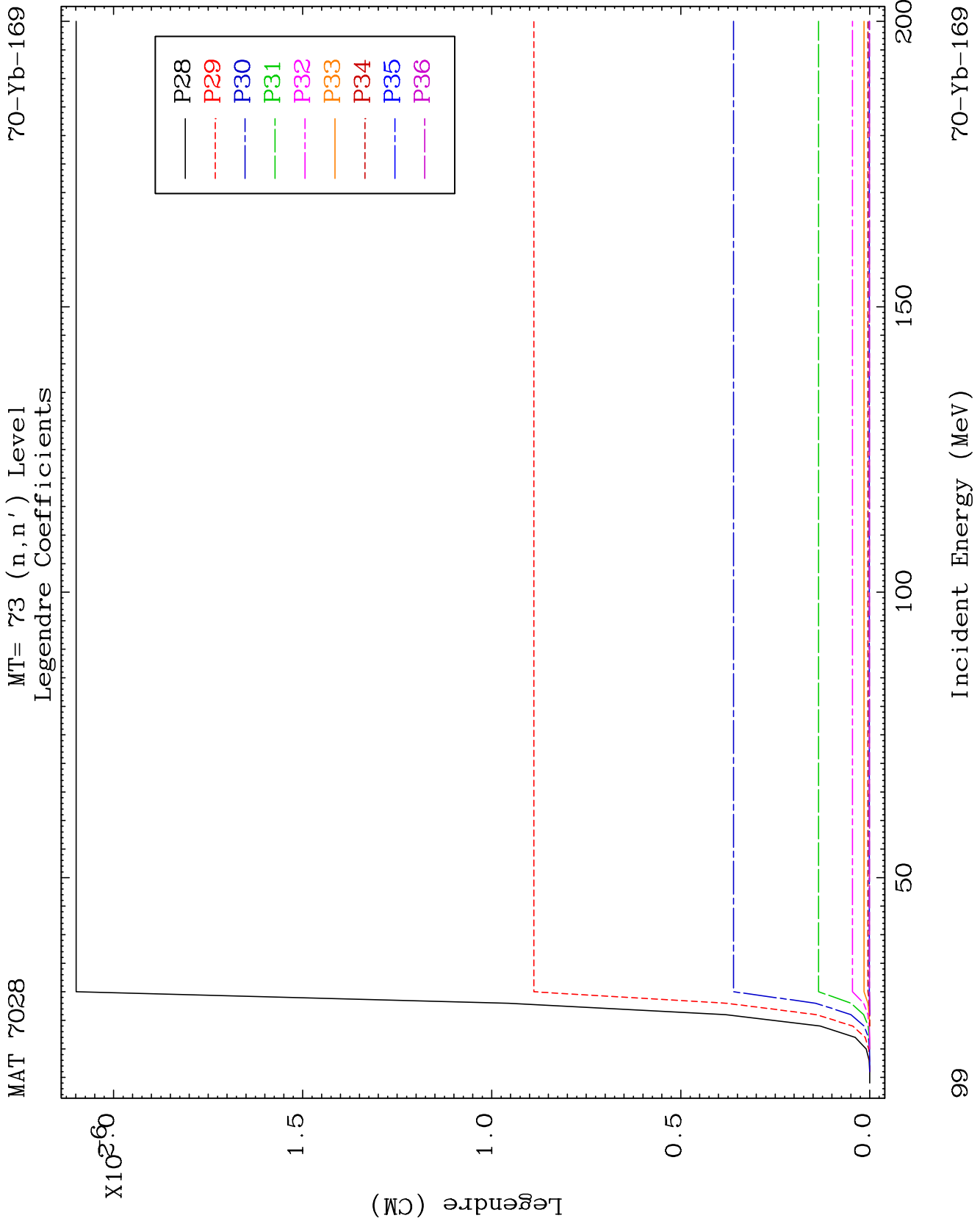
70-Yb-169

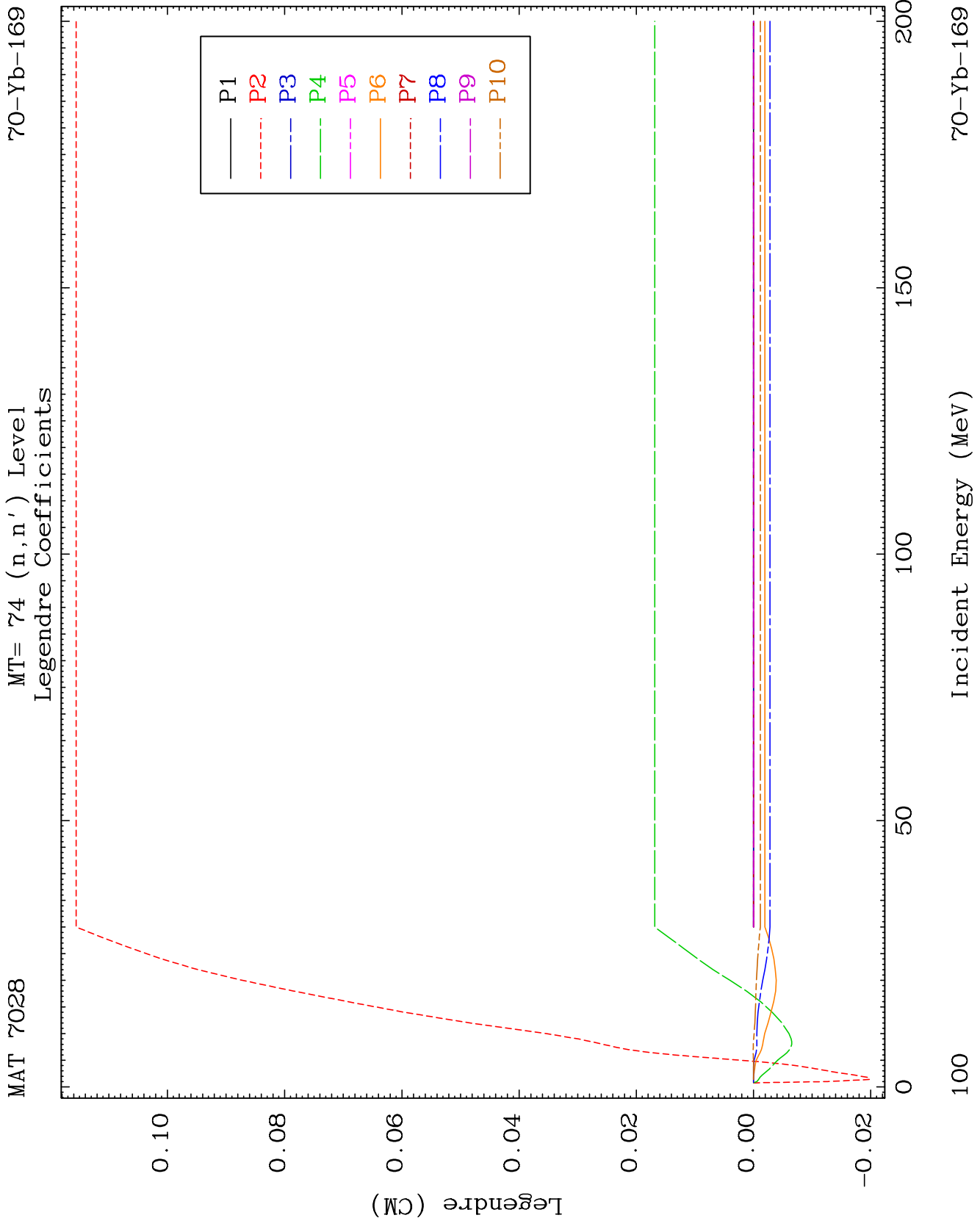


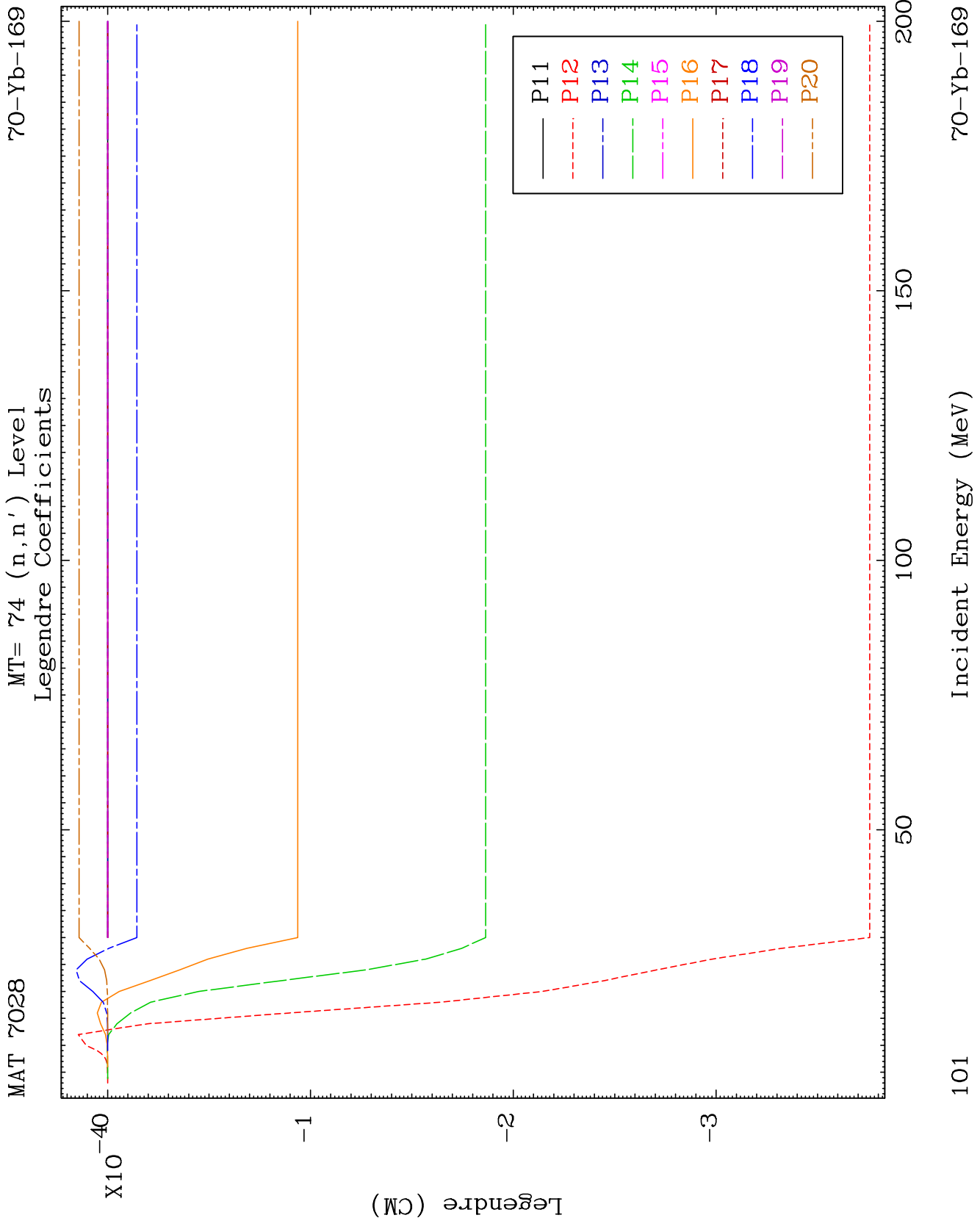
98

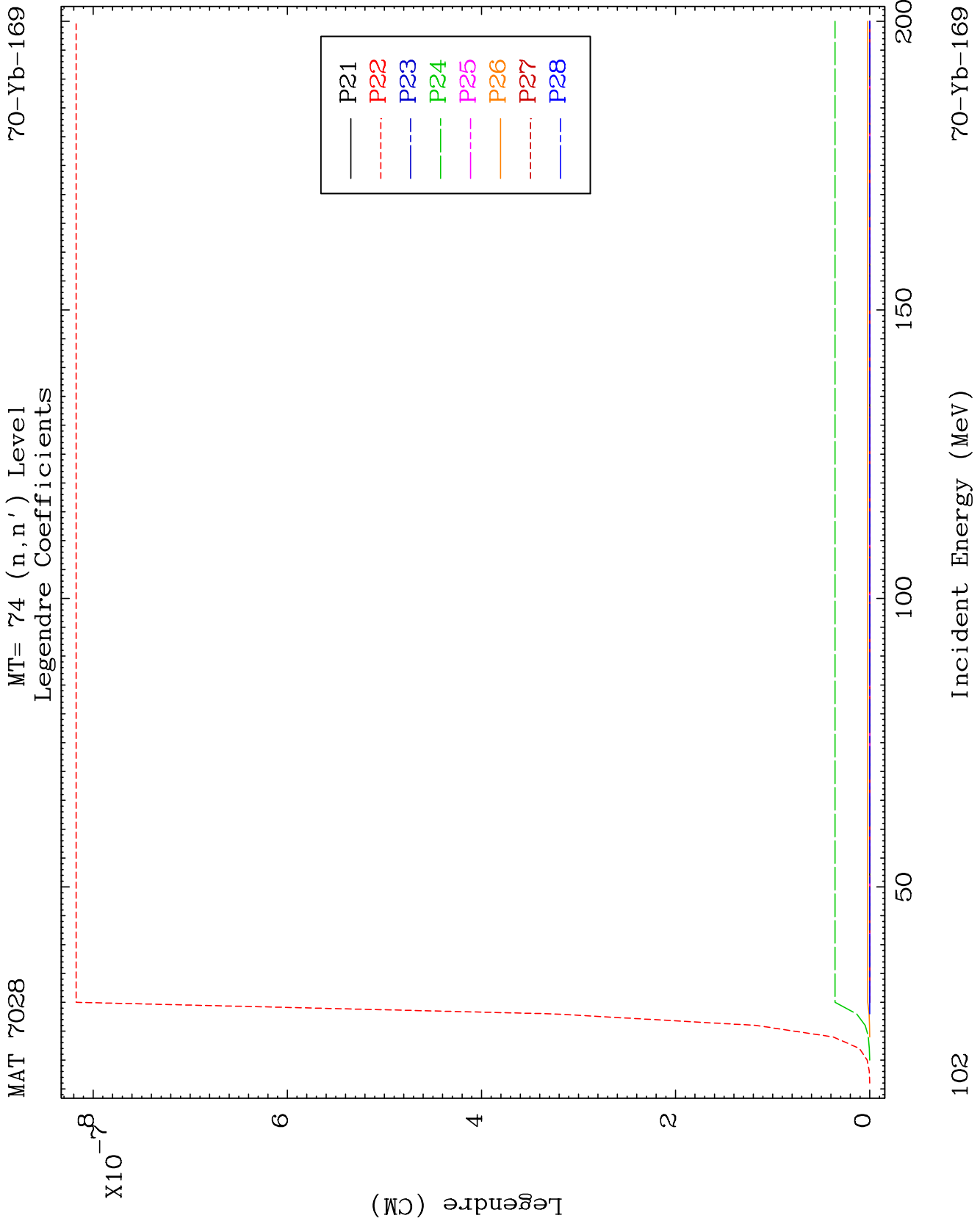
Incident Energy (MeV)

70-Yb-169





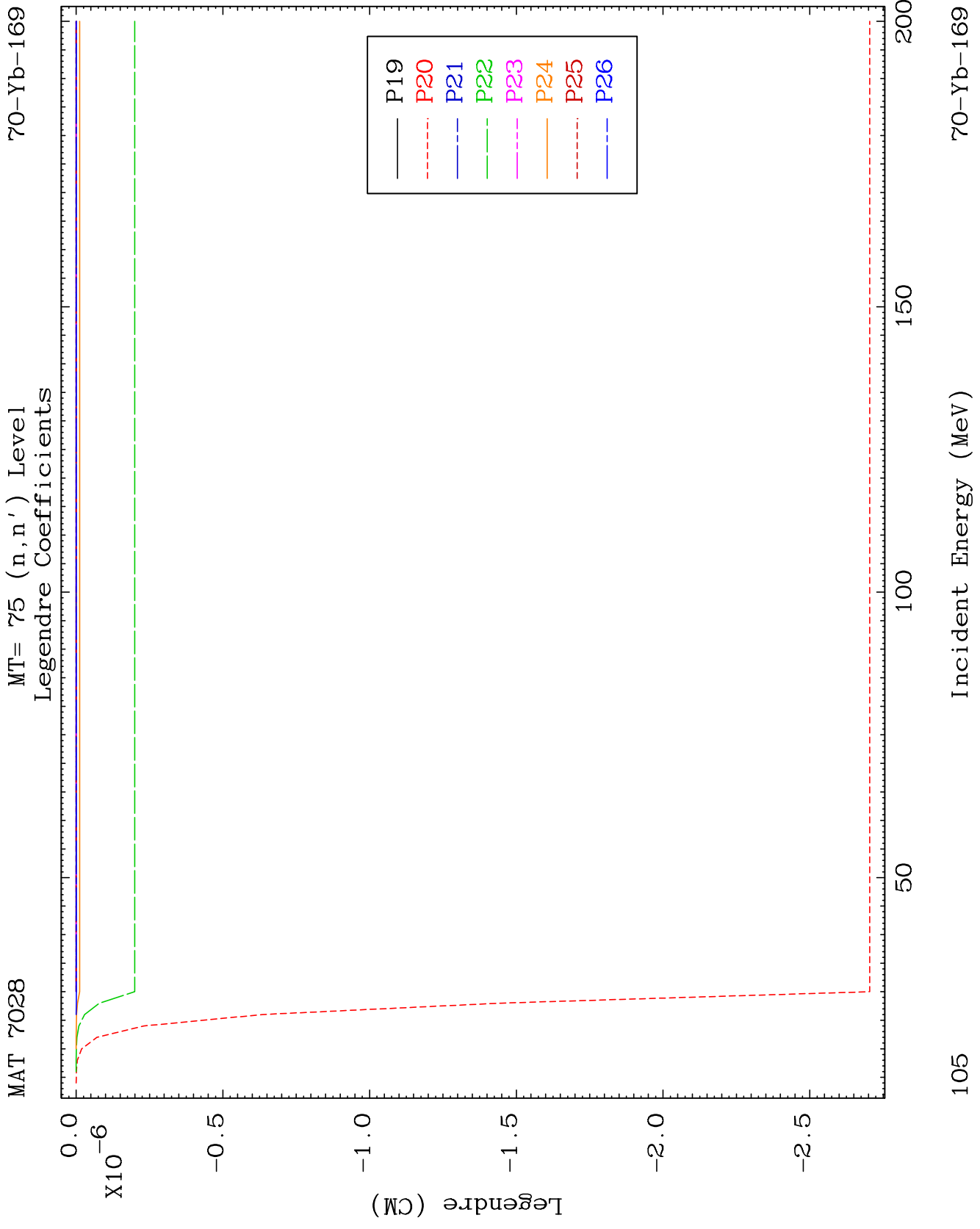


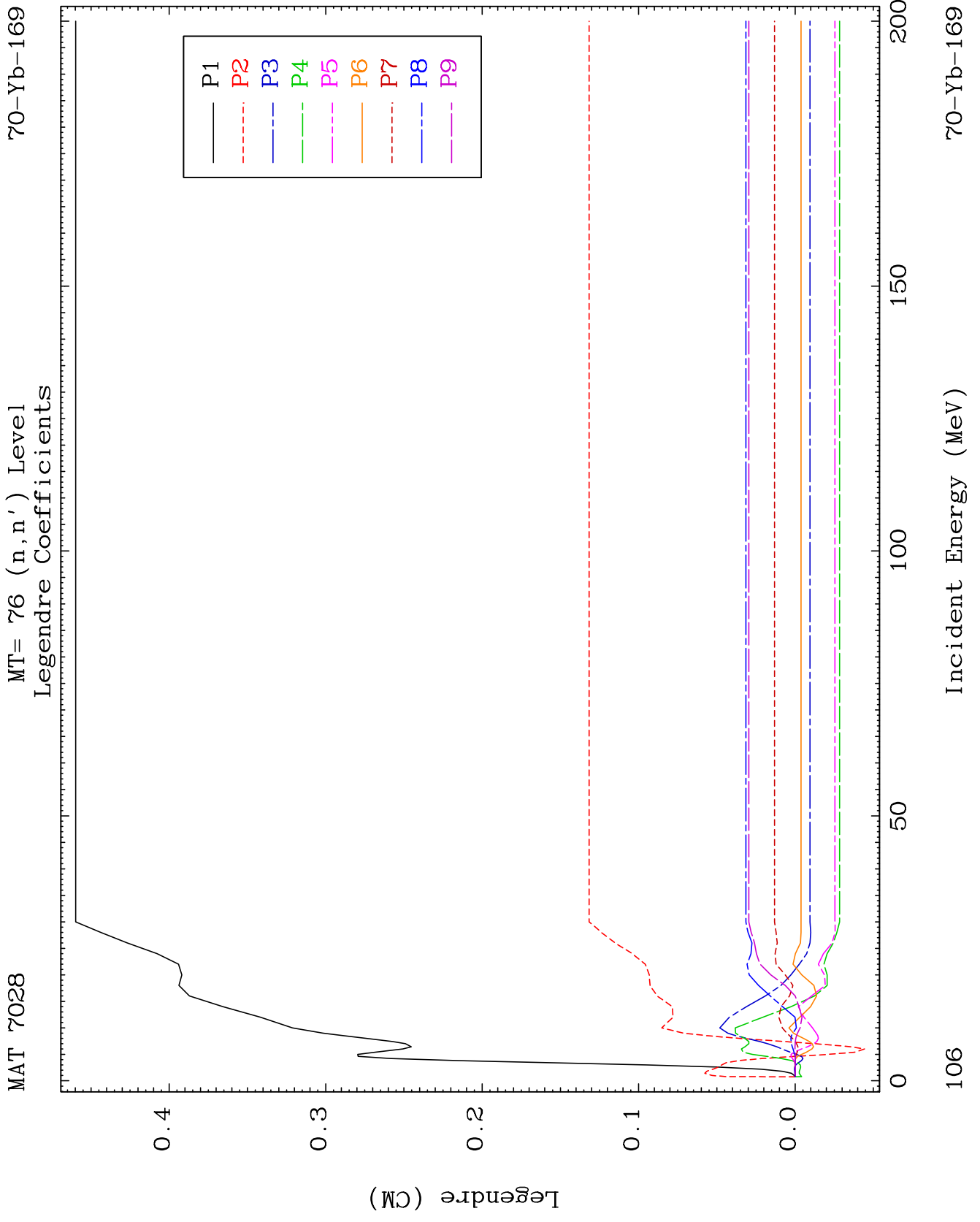








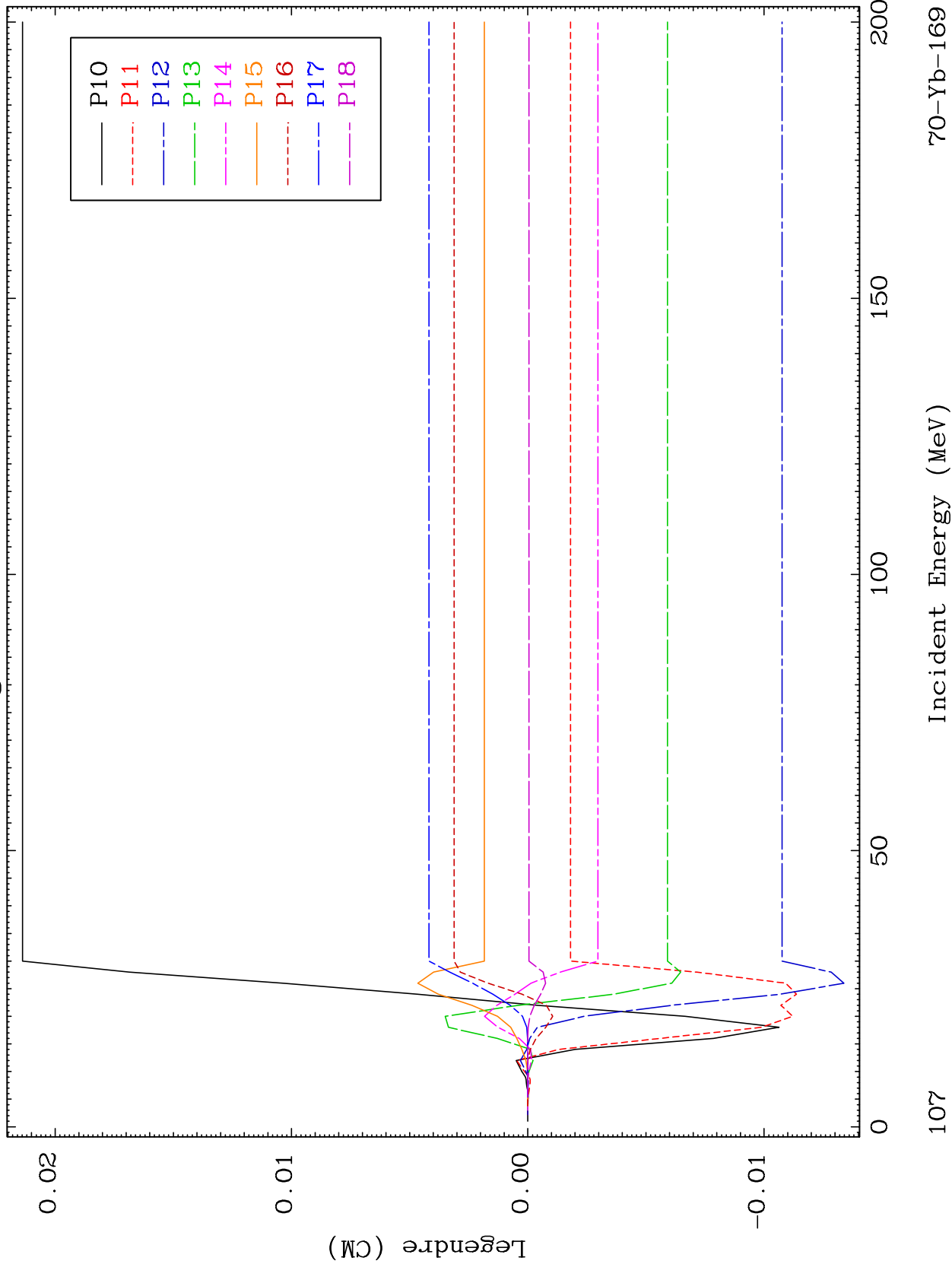




MAT 7028

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

70-Yb-169



107

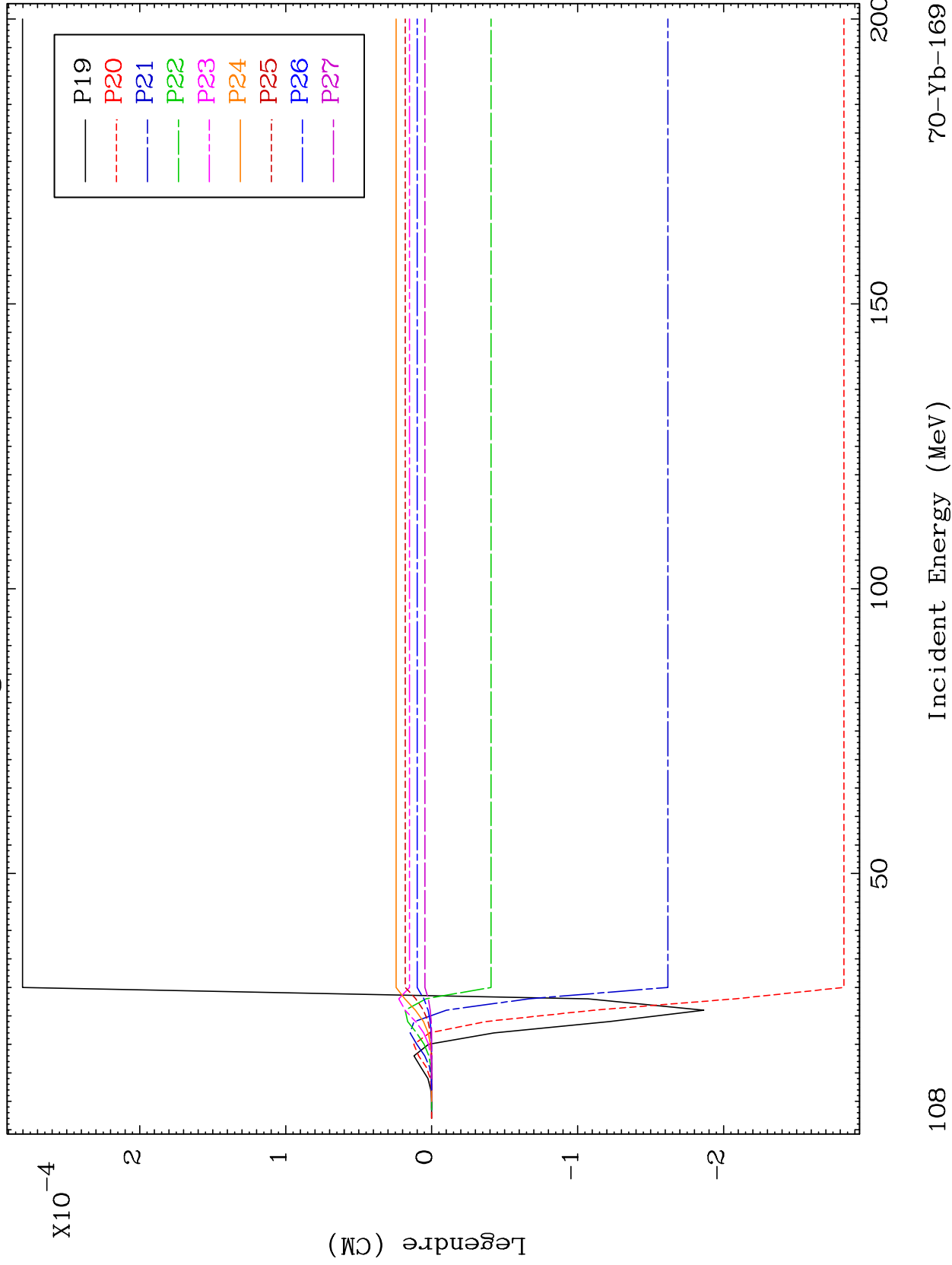
Incident Energy (MeV)

70-Yb-169

MAT 7028

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

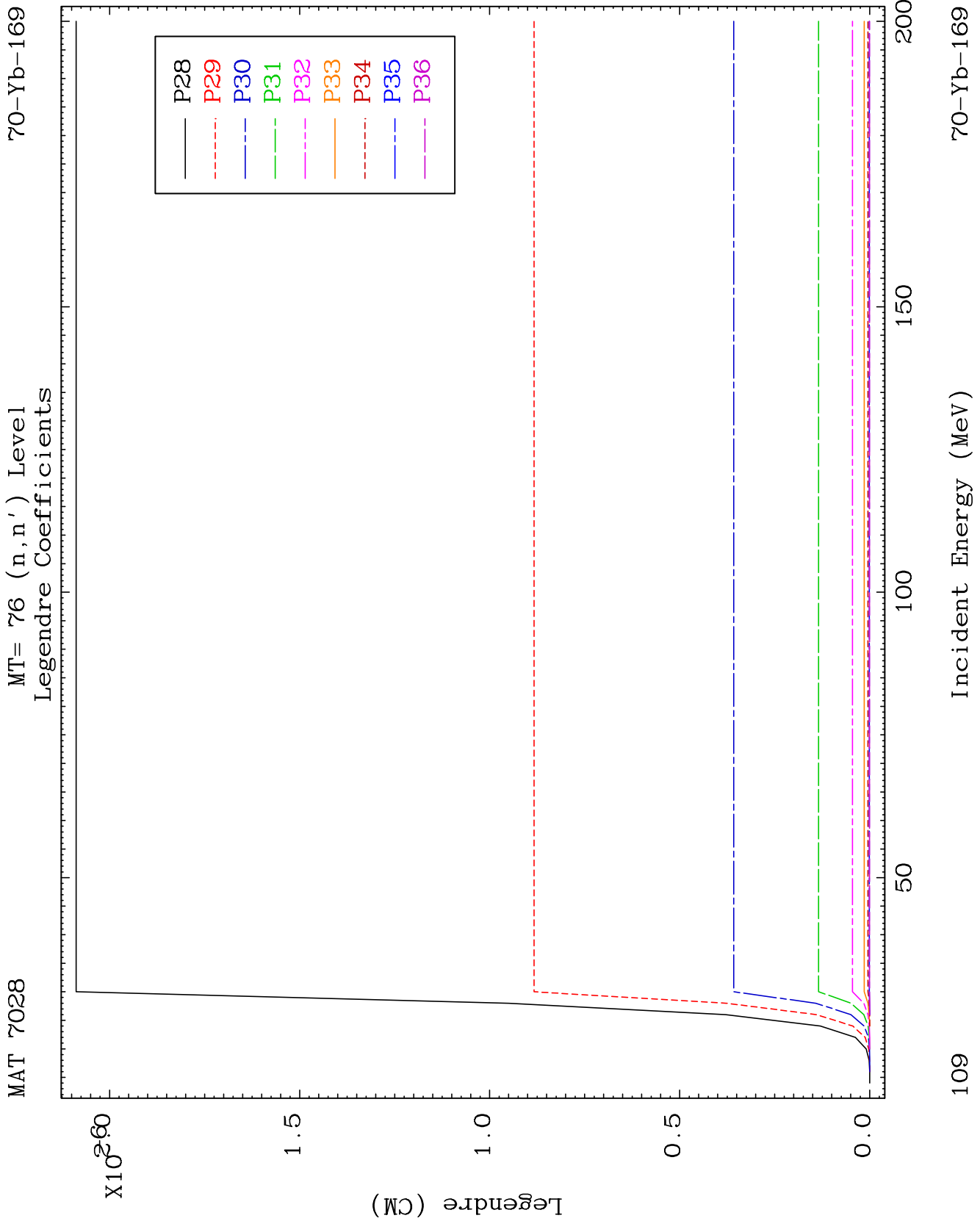
70-Yb-169

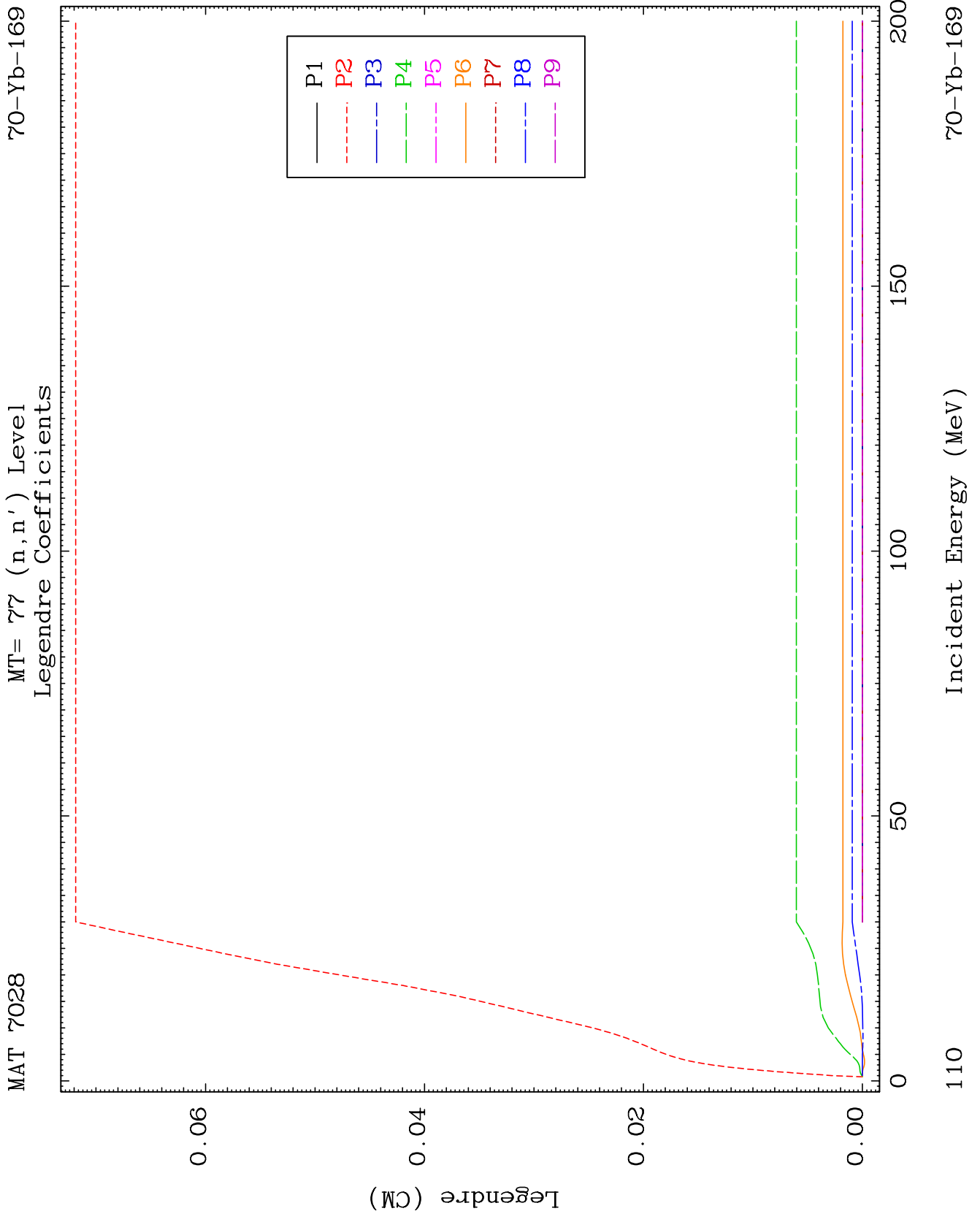


108

Incident Energy (MeV)

70-Yb-169

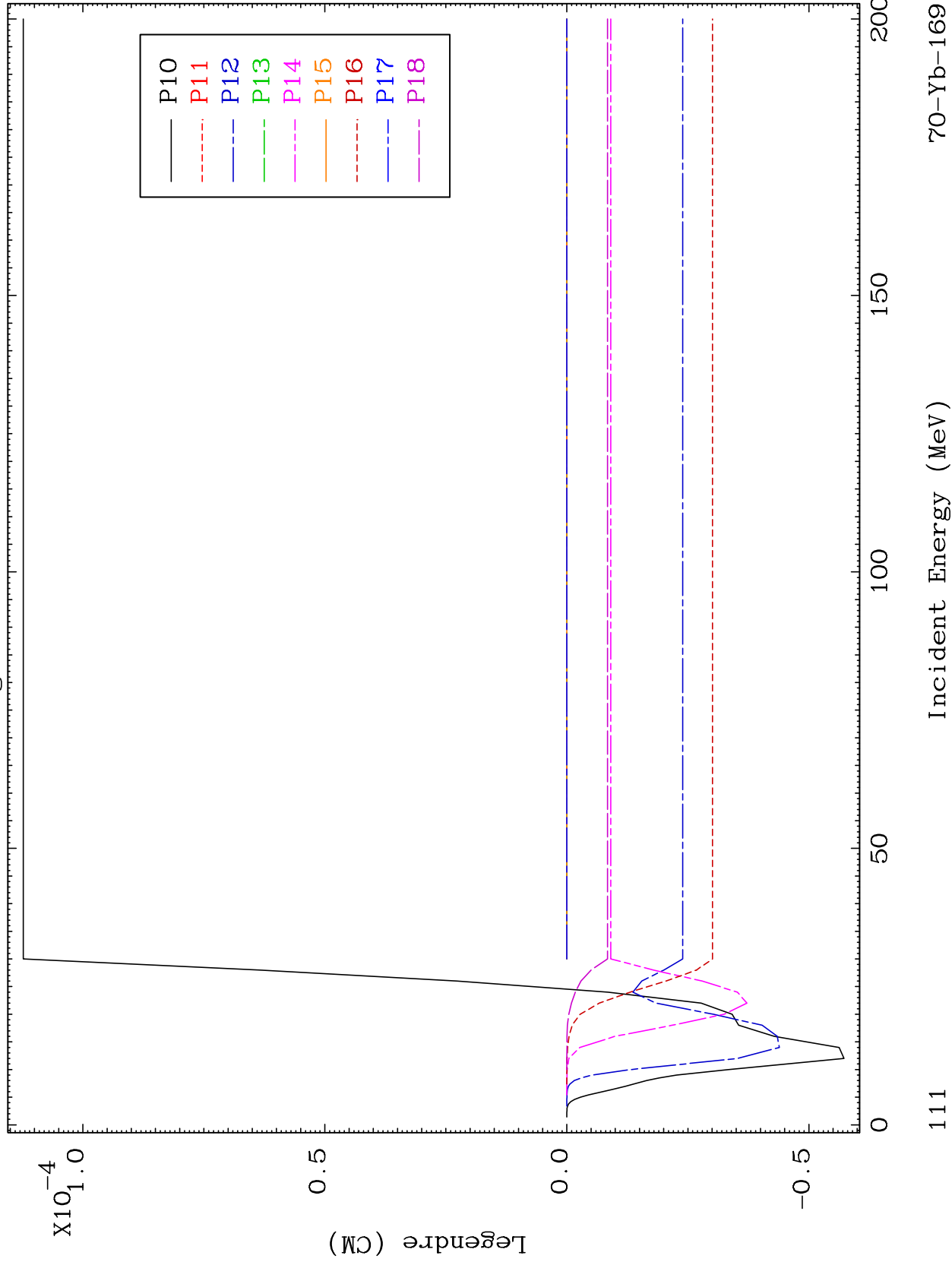




MAT 7028

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

70-Yb-169



70-Yb-169

Incident Energy (MeV)

111

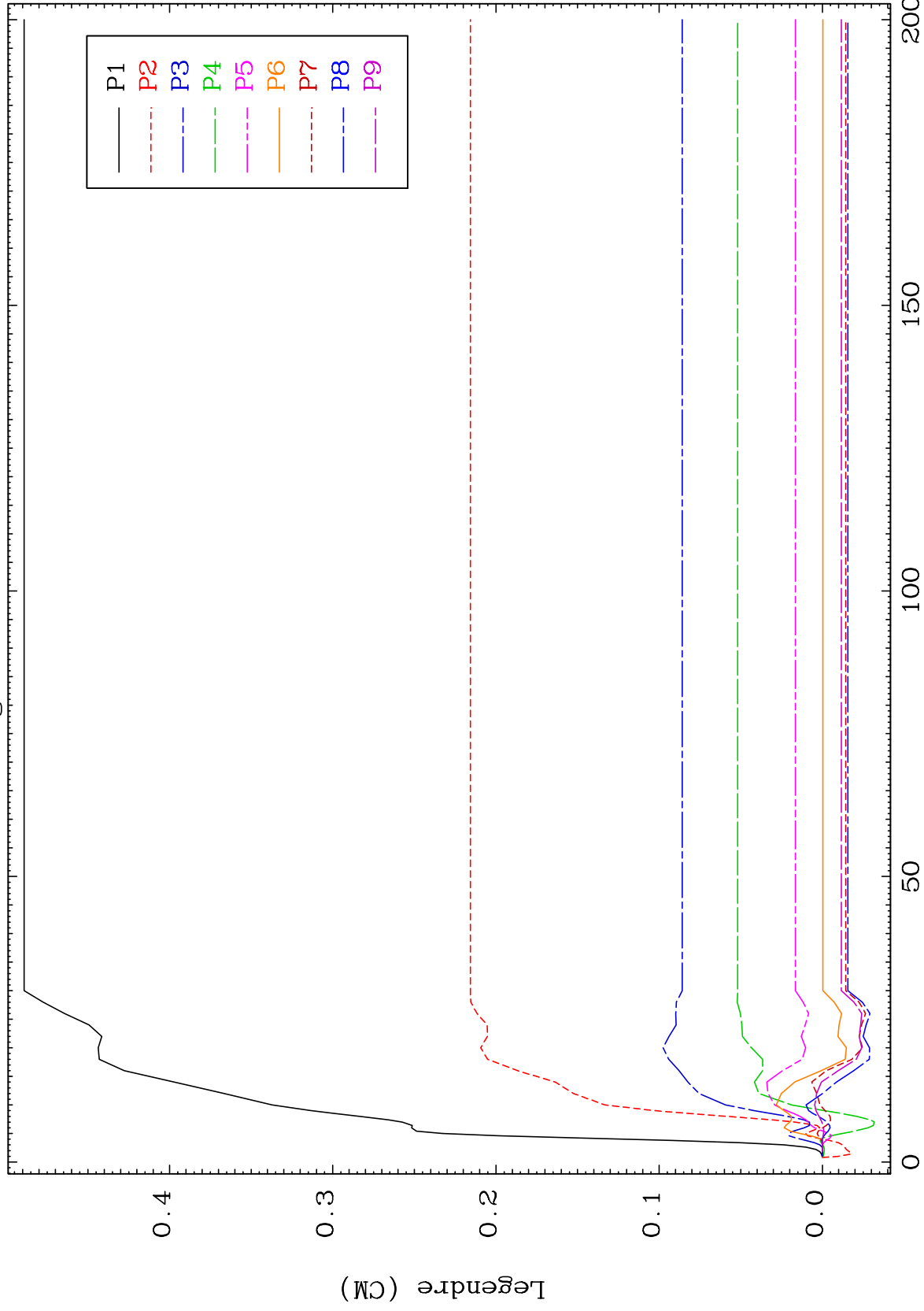




MAT 7028

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

70-Yb-169



70-Yb-169

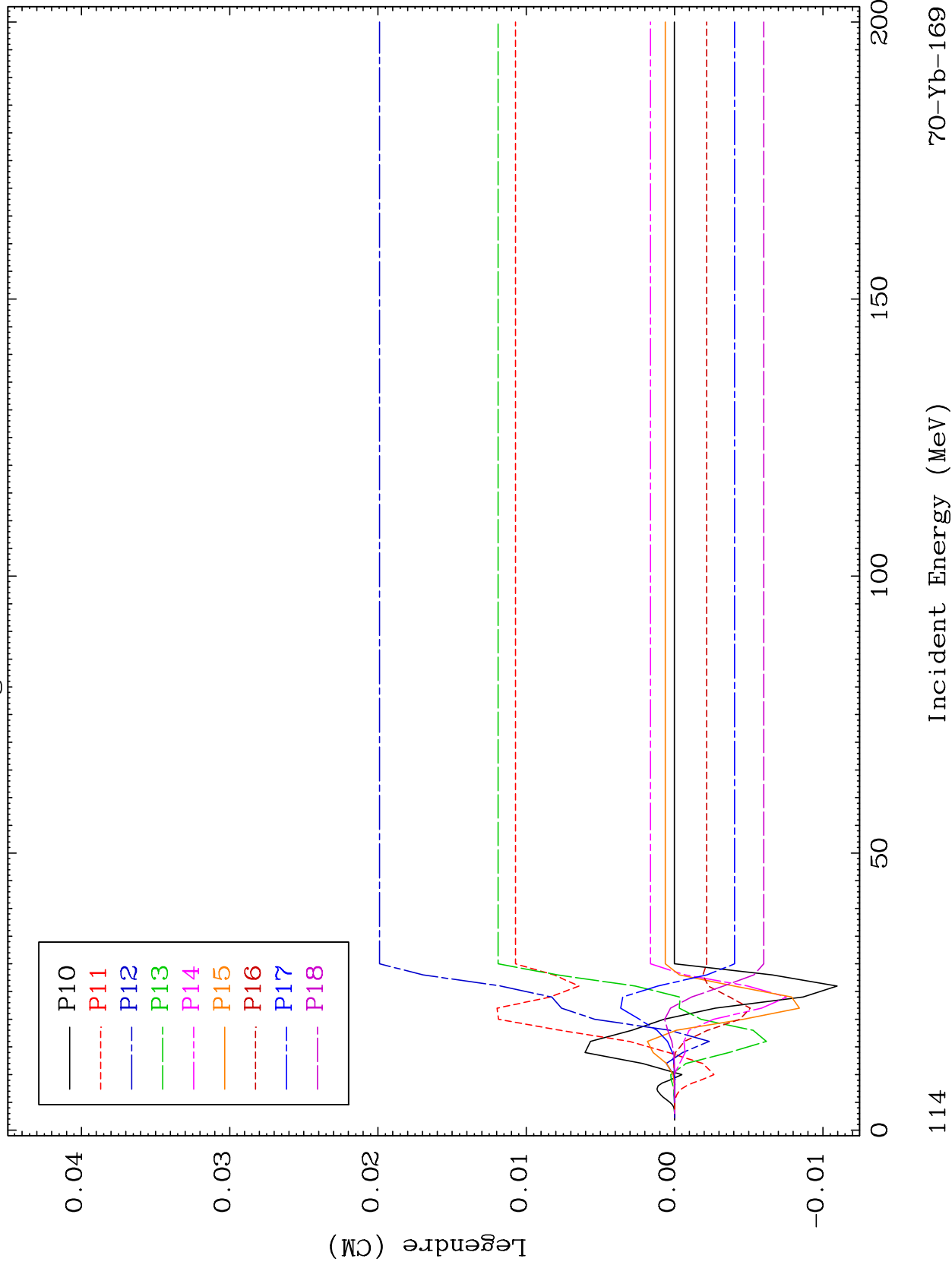
Incident Energy (MeV)

113

MAT 7028

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

70-Yb-169



114

Incident Energy (MeV)

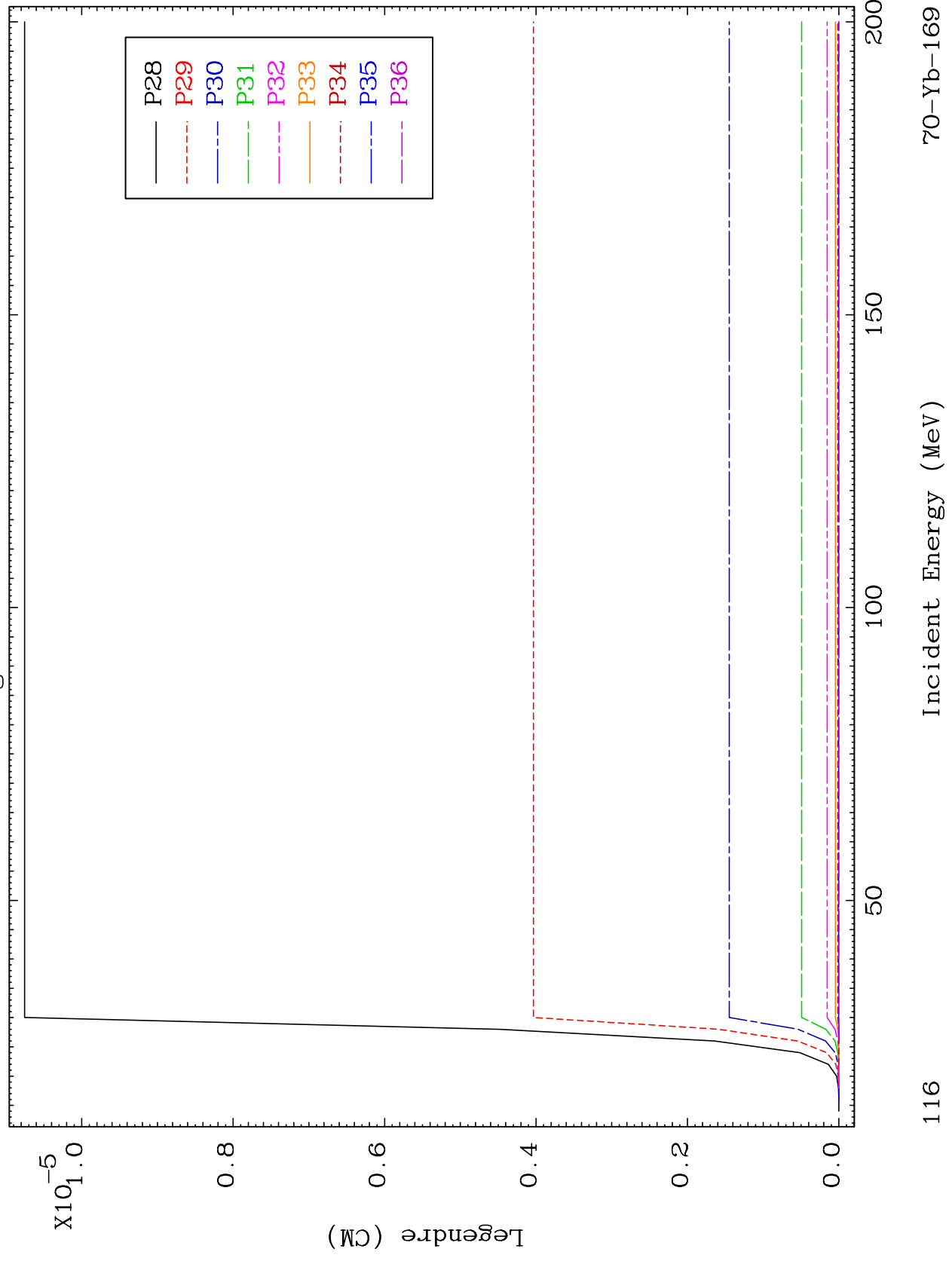
70-Yb-169



MAT 7028

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

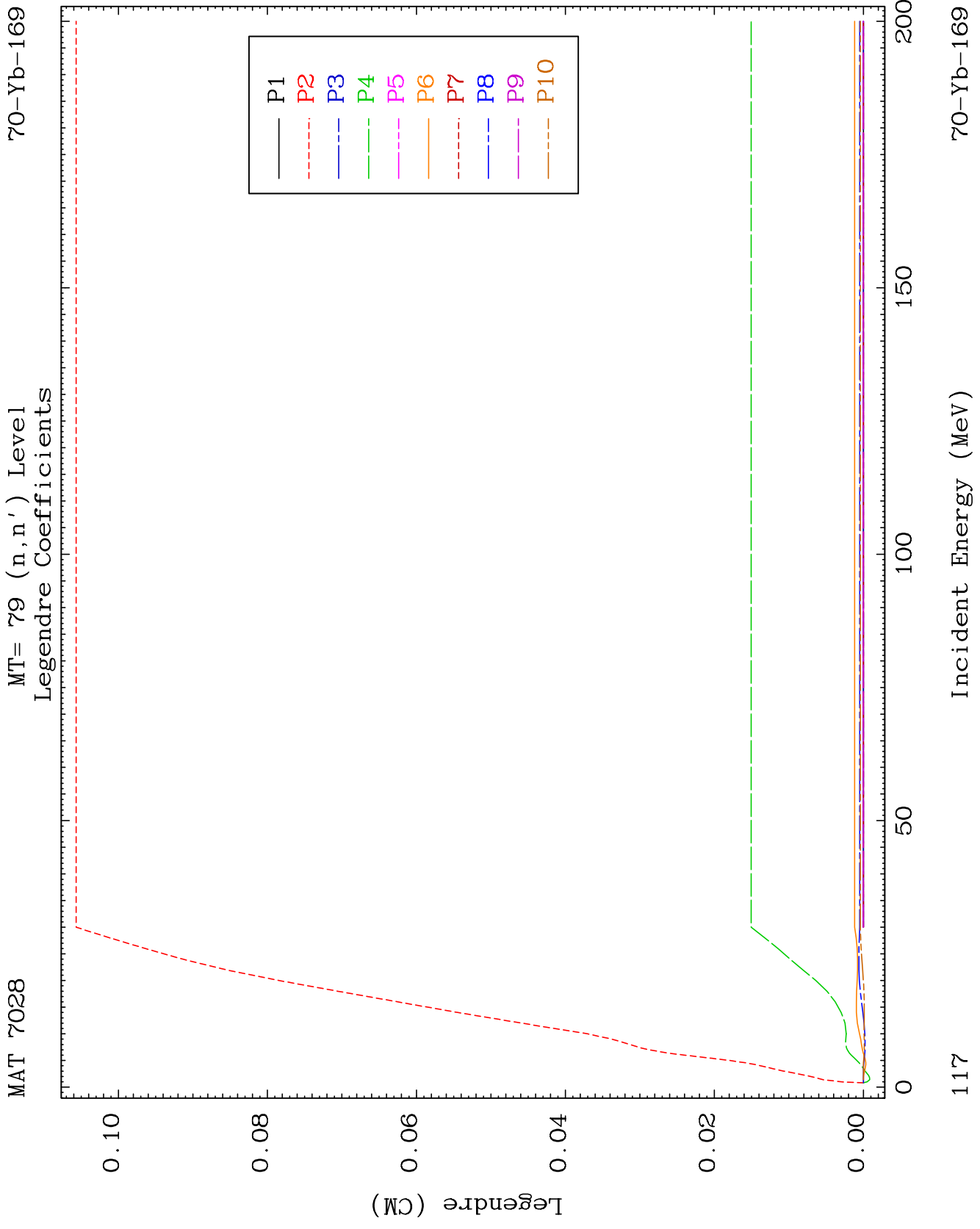
70-Yb-169



70-Yb-169

Incident Energy (MeV)

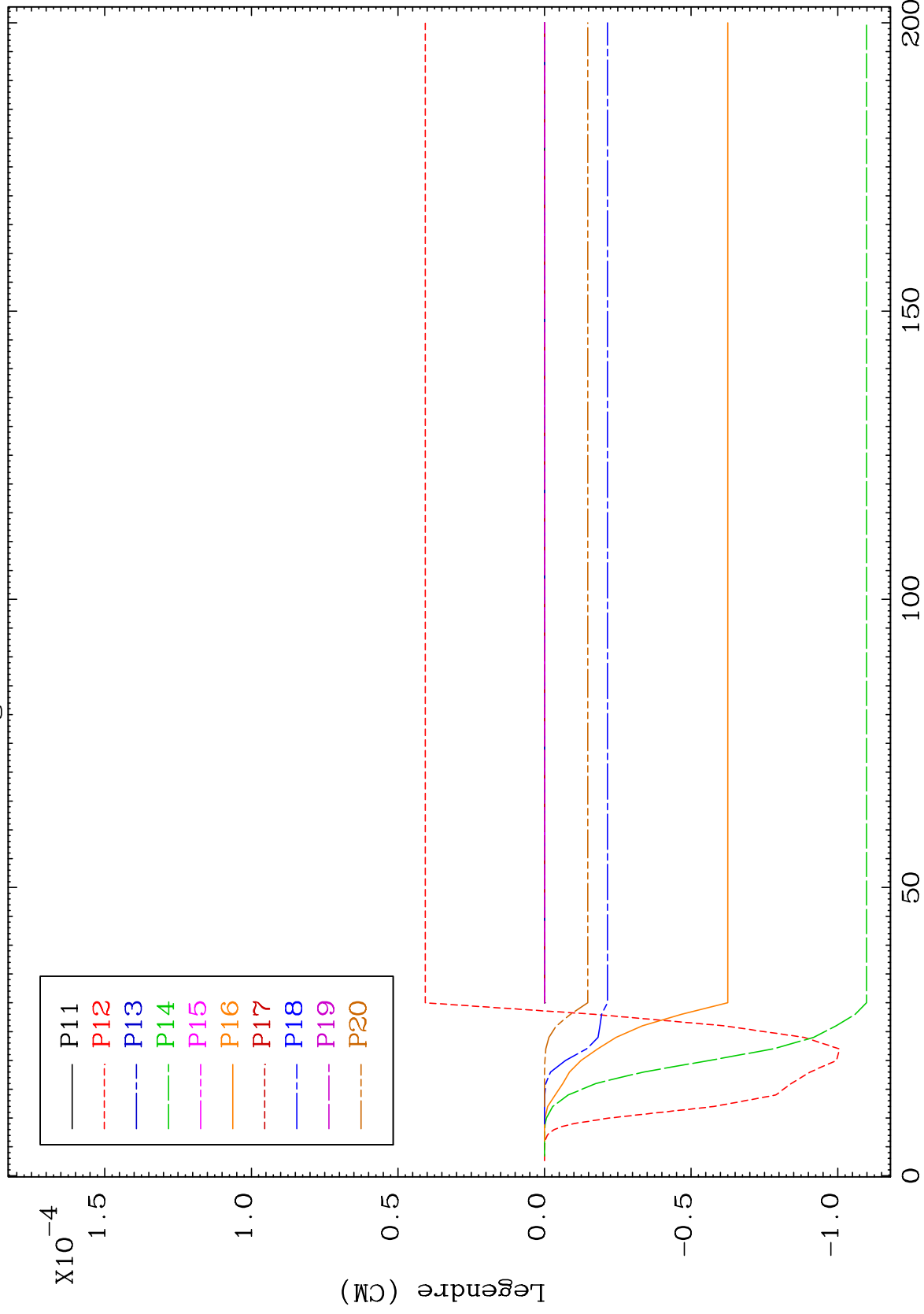
116



MAT 7028

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

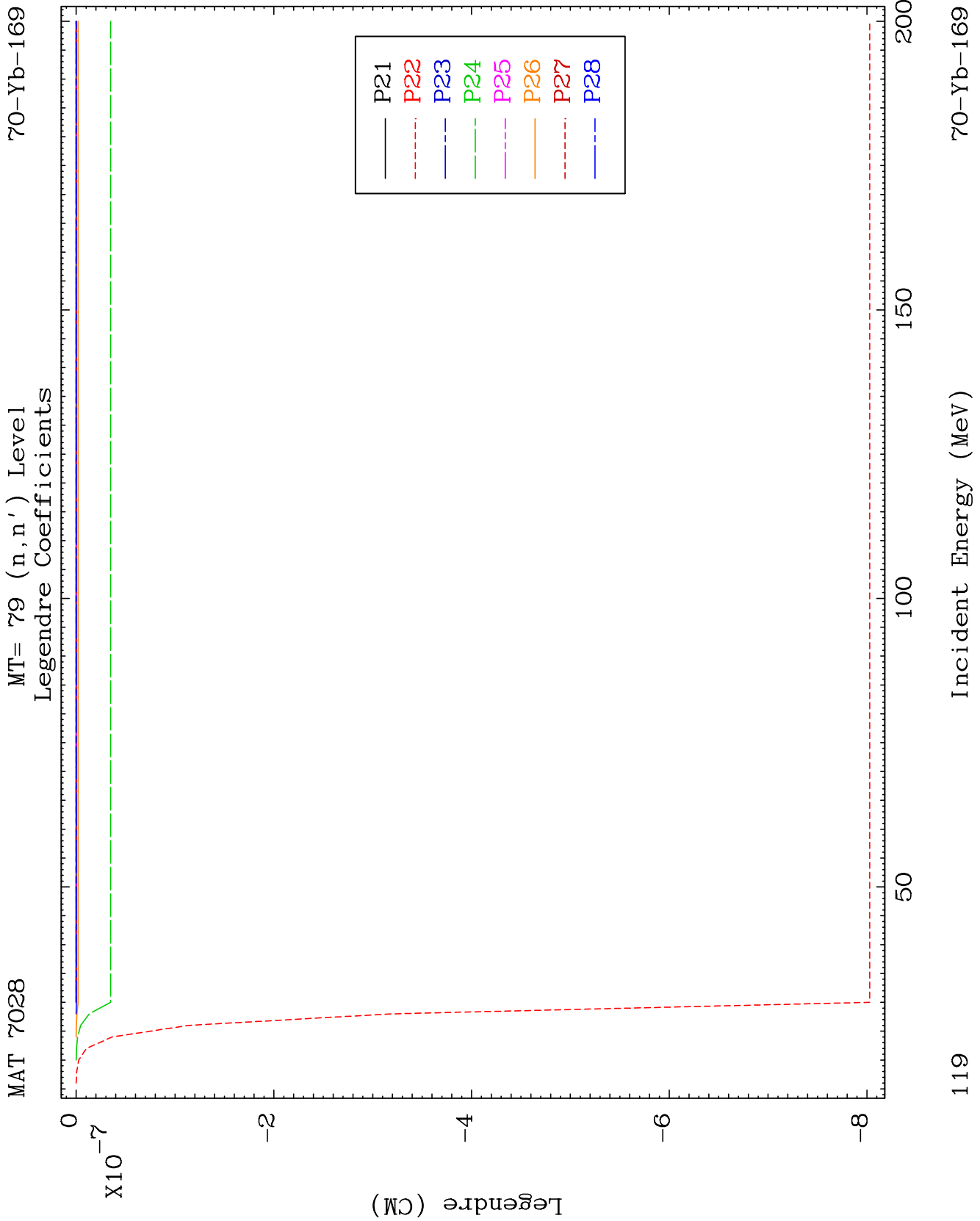
70-Yb-169



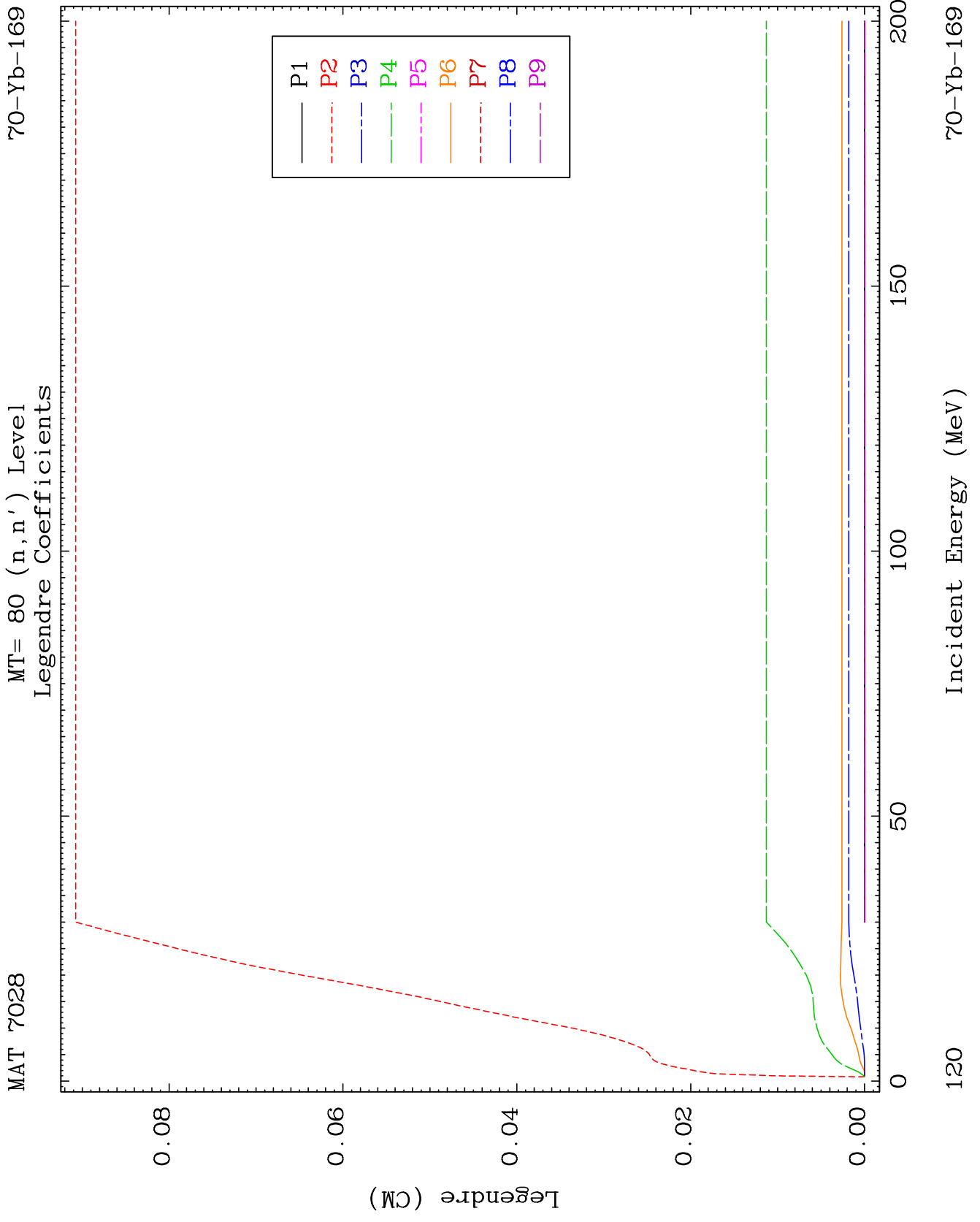
118

Incident Energy (MeV)

70-Yb-169



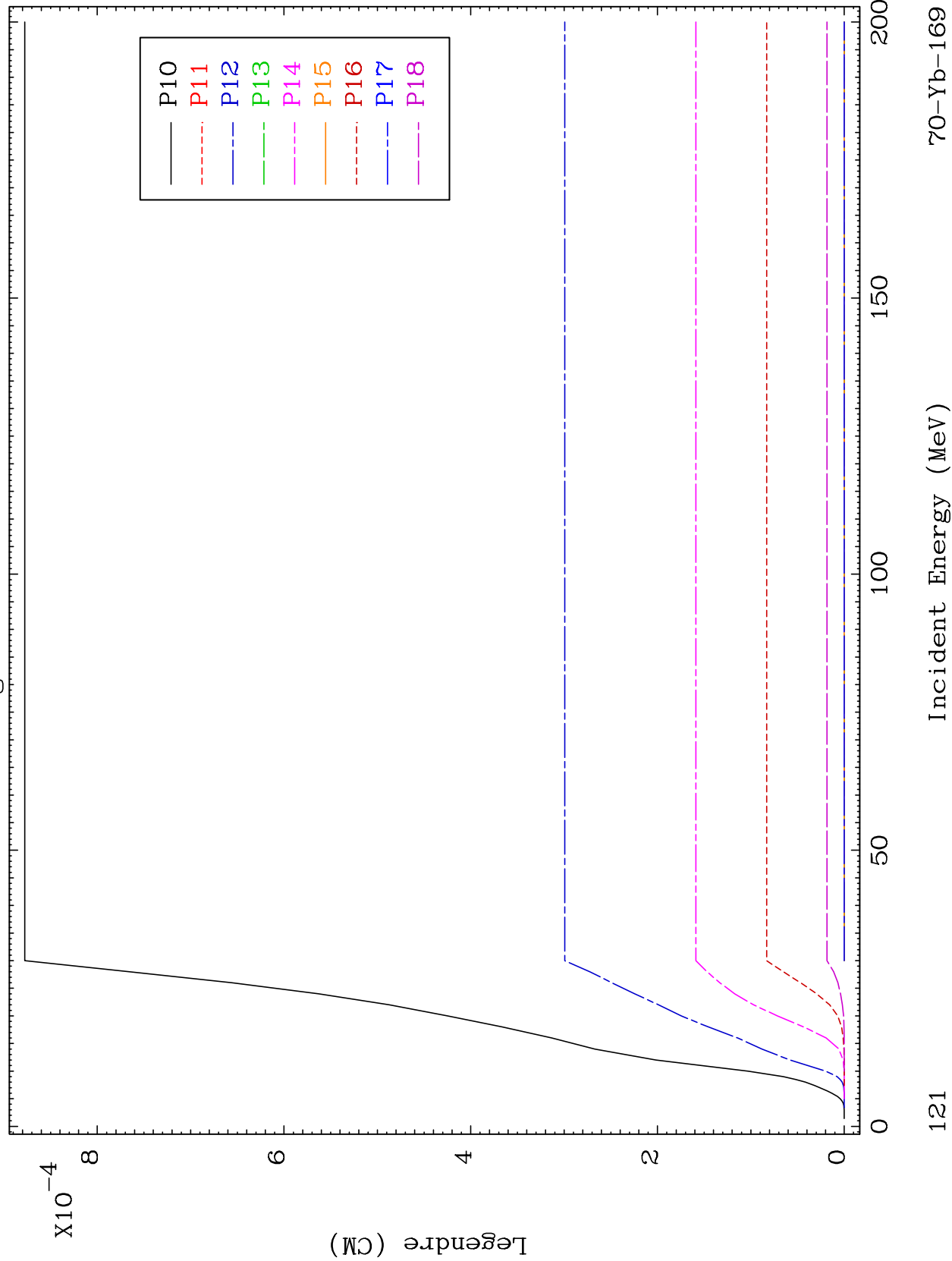




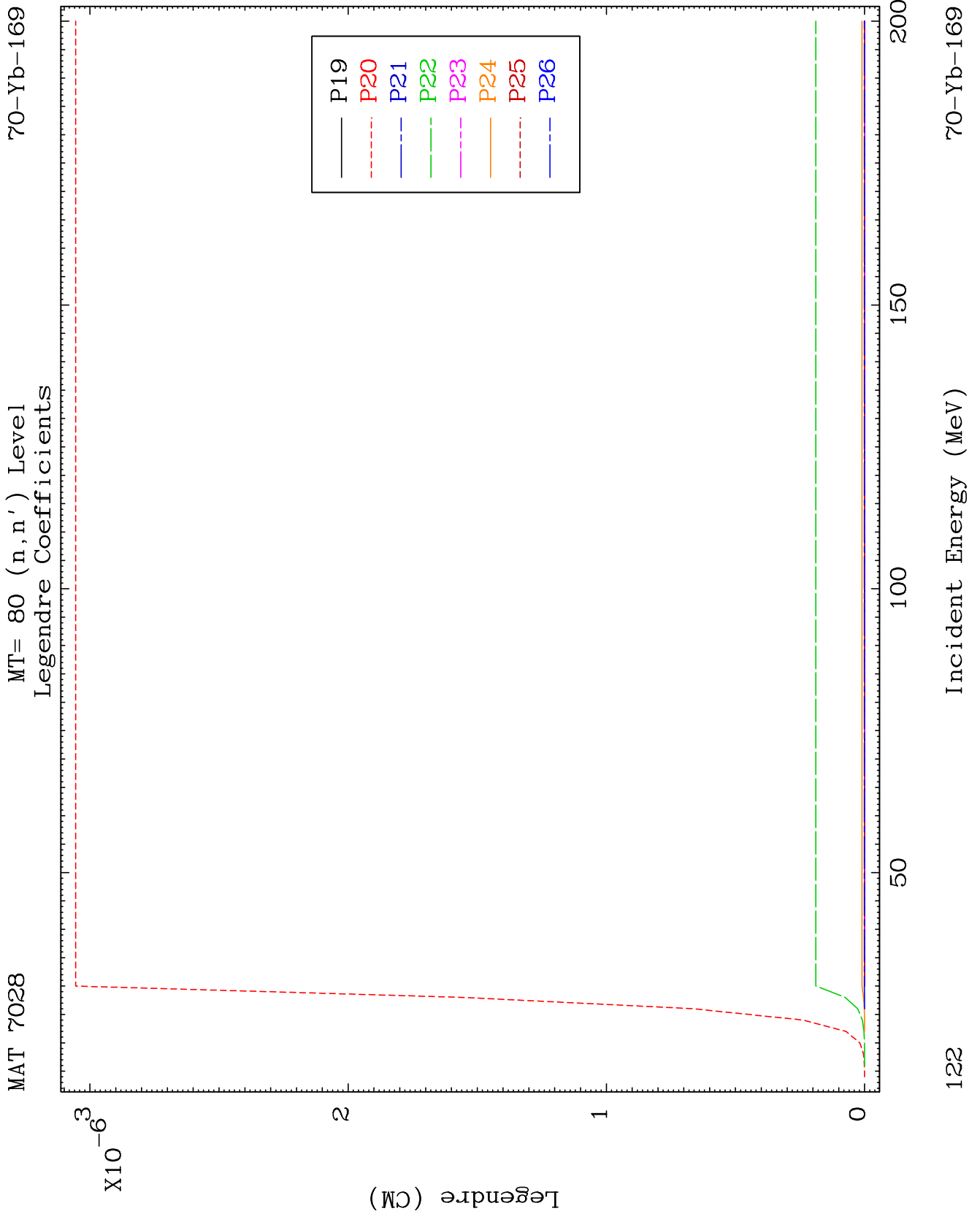
MAT 7028

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

70-Yb-169



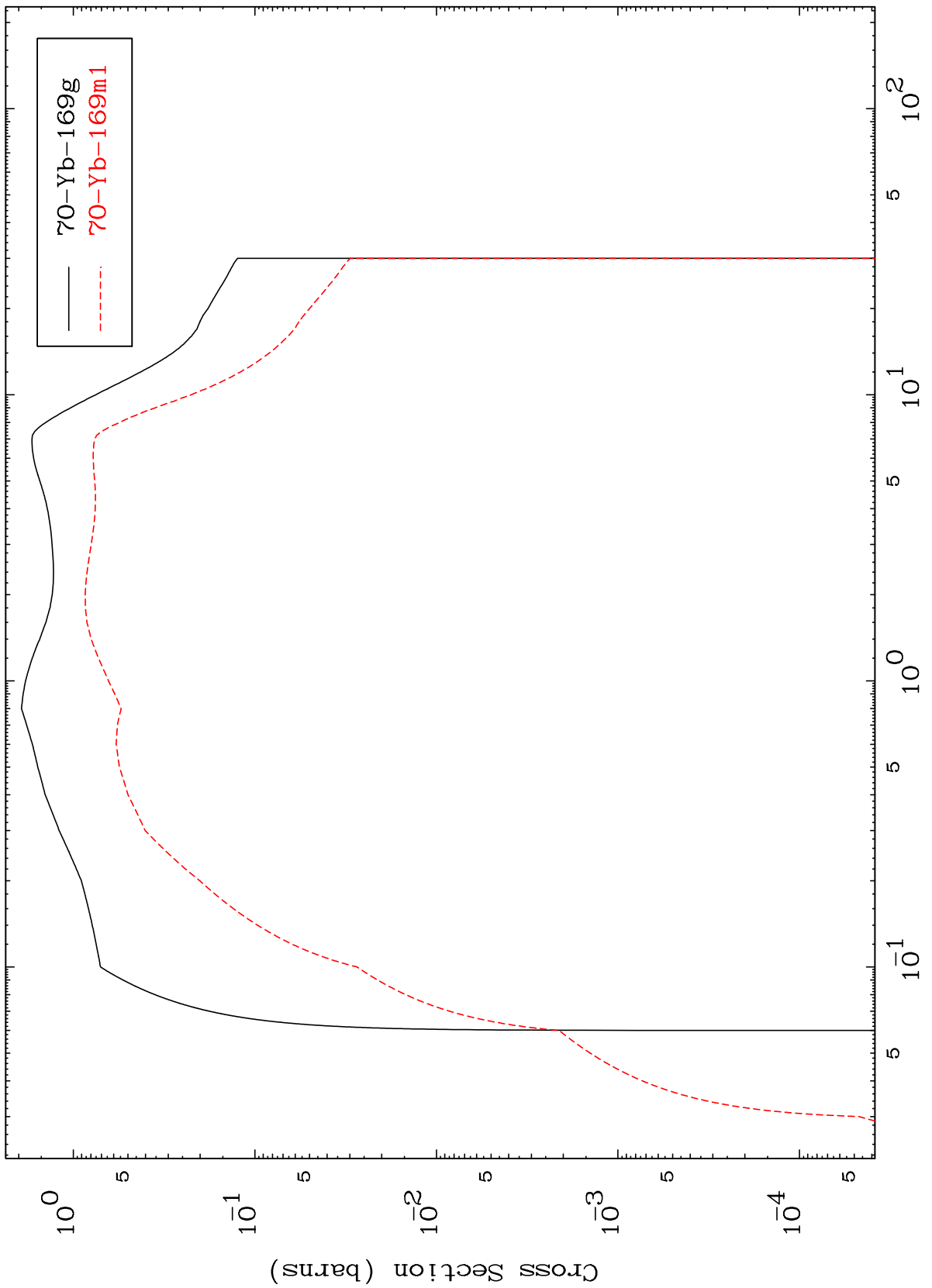
121



MAT 7028

70-Yb-169

Inelastic  
Radionuclide Production Cross Section



70-Yb-169g  
70-Yb-169m1

123

70-Yb-169

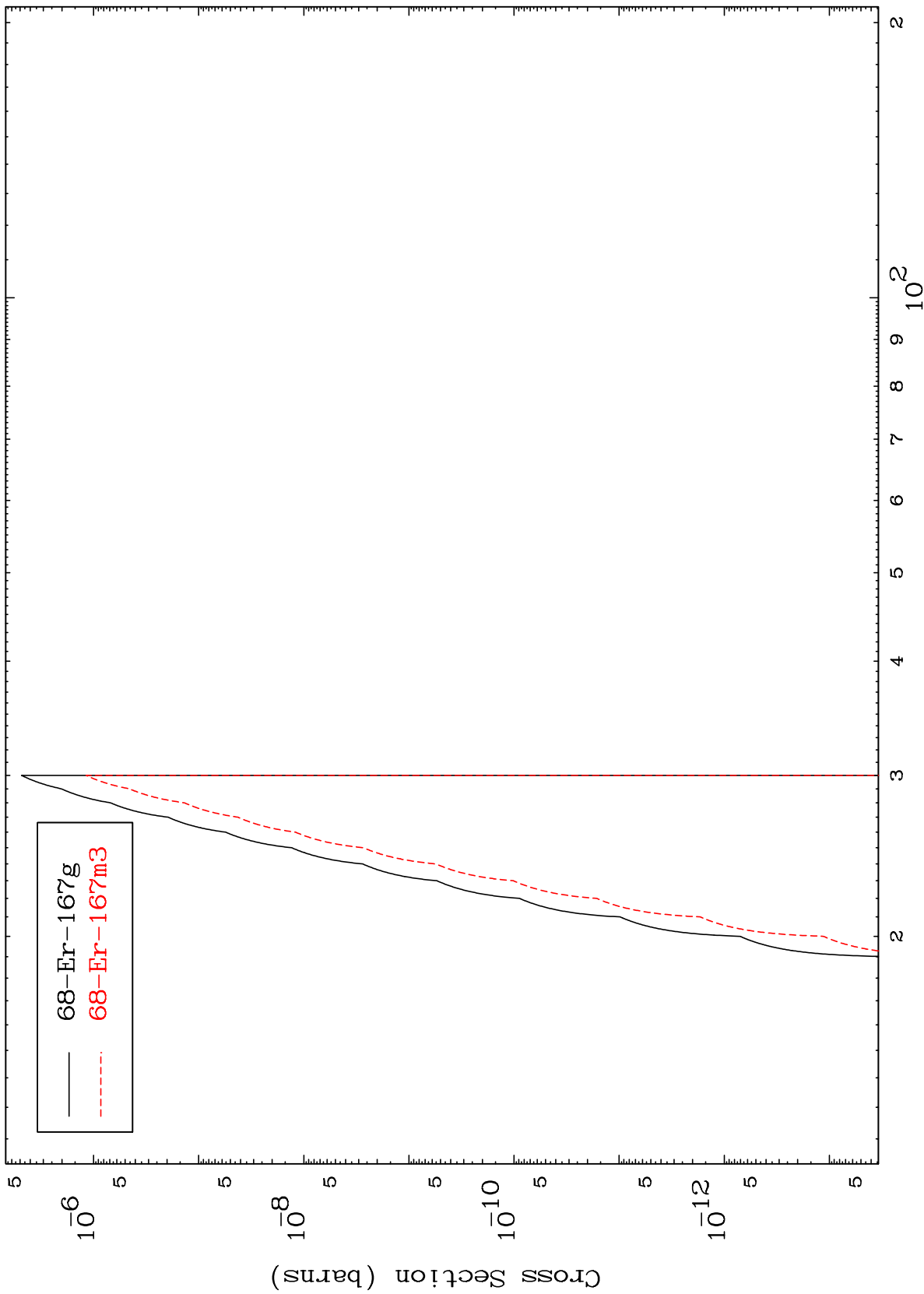
Incident Energy (MeV)

MAT 7028

(n,2n) p

70-Yb-169

Radionuclide Production Cross Section



124

Incident Energy (MeV)

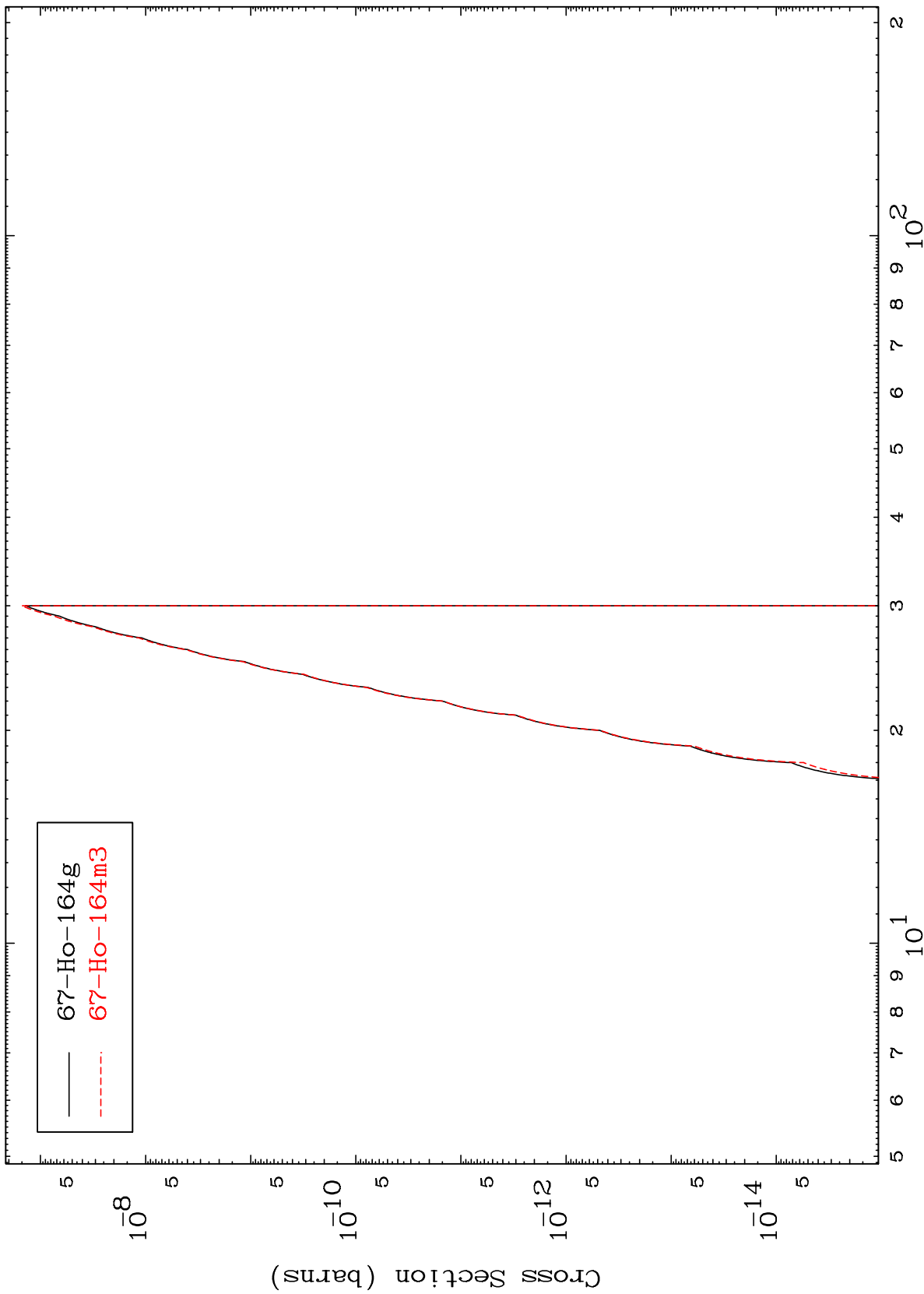
70-Yb-169

MAT 7028

(n,n') p  $\alpha$

70-Yb-169

Radionuclide Production Cross Section



125

Incident Energy (MeV)

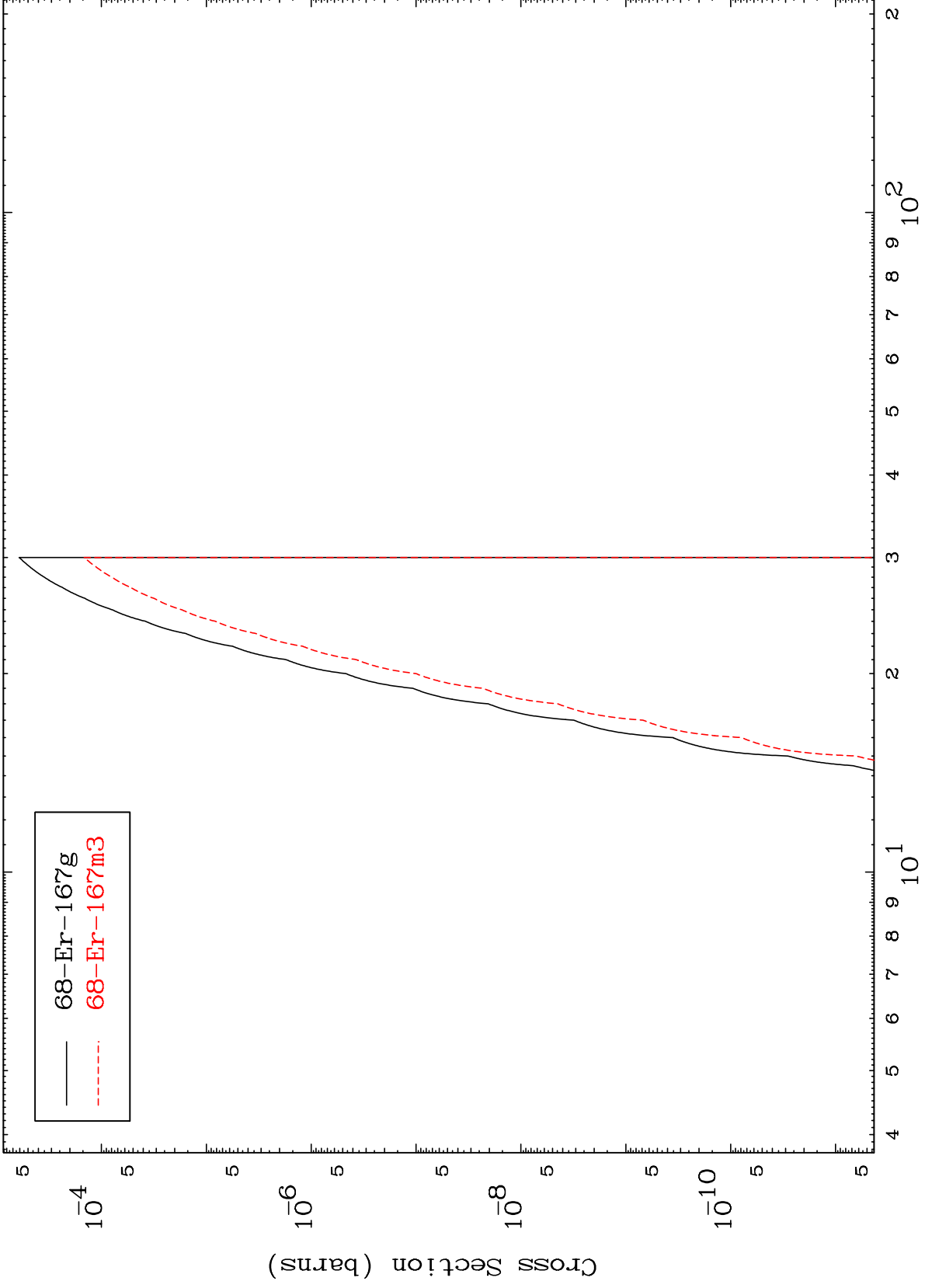
70-Yb-169

MAT 7028

(n,He-3)

70-Yb-169

Radionuclide Production Cross Section



126

Incident Energy (MeV)

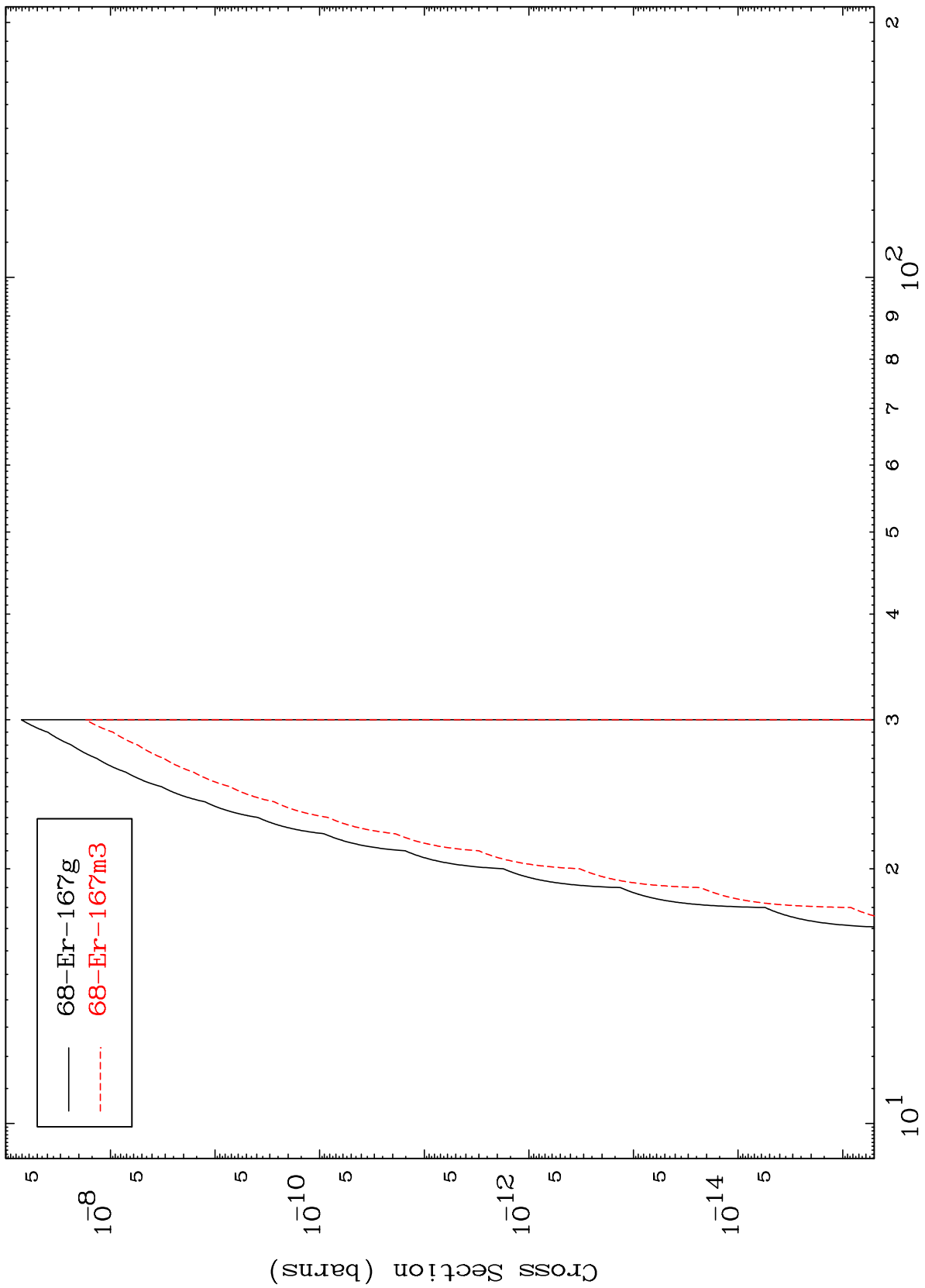
70-Yb-169

MAT 7028

(n,p) d

70-Yb-169

Radionuclide Production Cross Section



Incident Energy (MeV)

70-Yb-169

127



