

Program EVALPLOT  
(Version 2021-1)

by

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(Present Contact Information)

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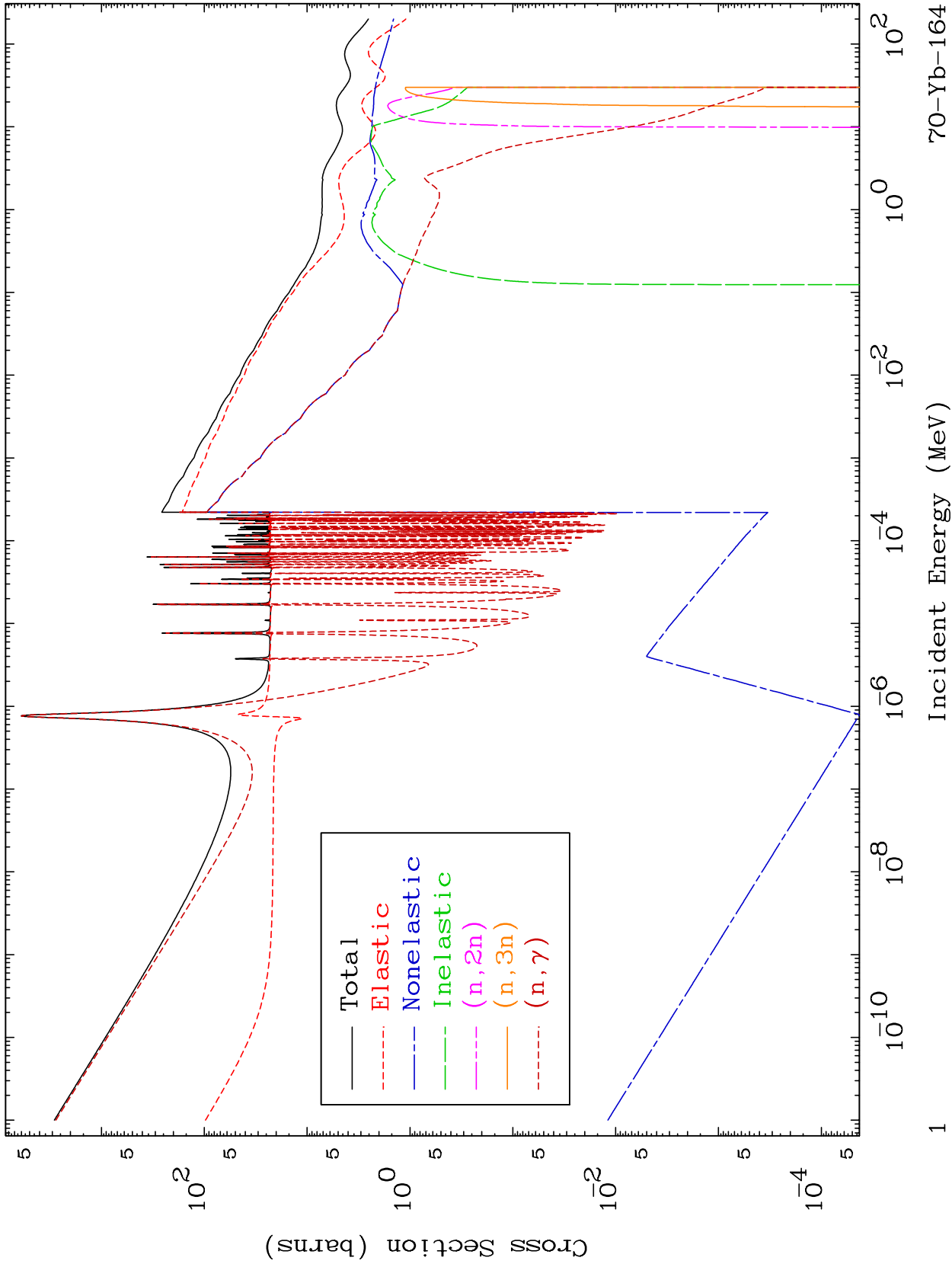
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Press Mouse Button to Start

MAT 7013

Neutron Major  
293 Kelvin Cross Sections

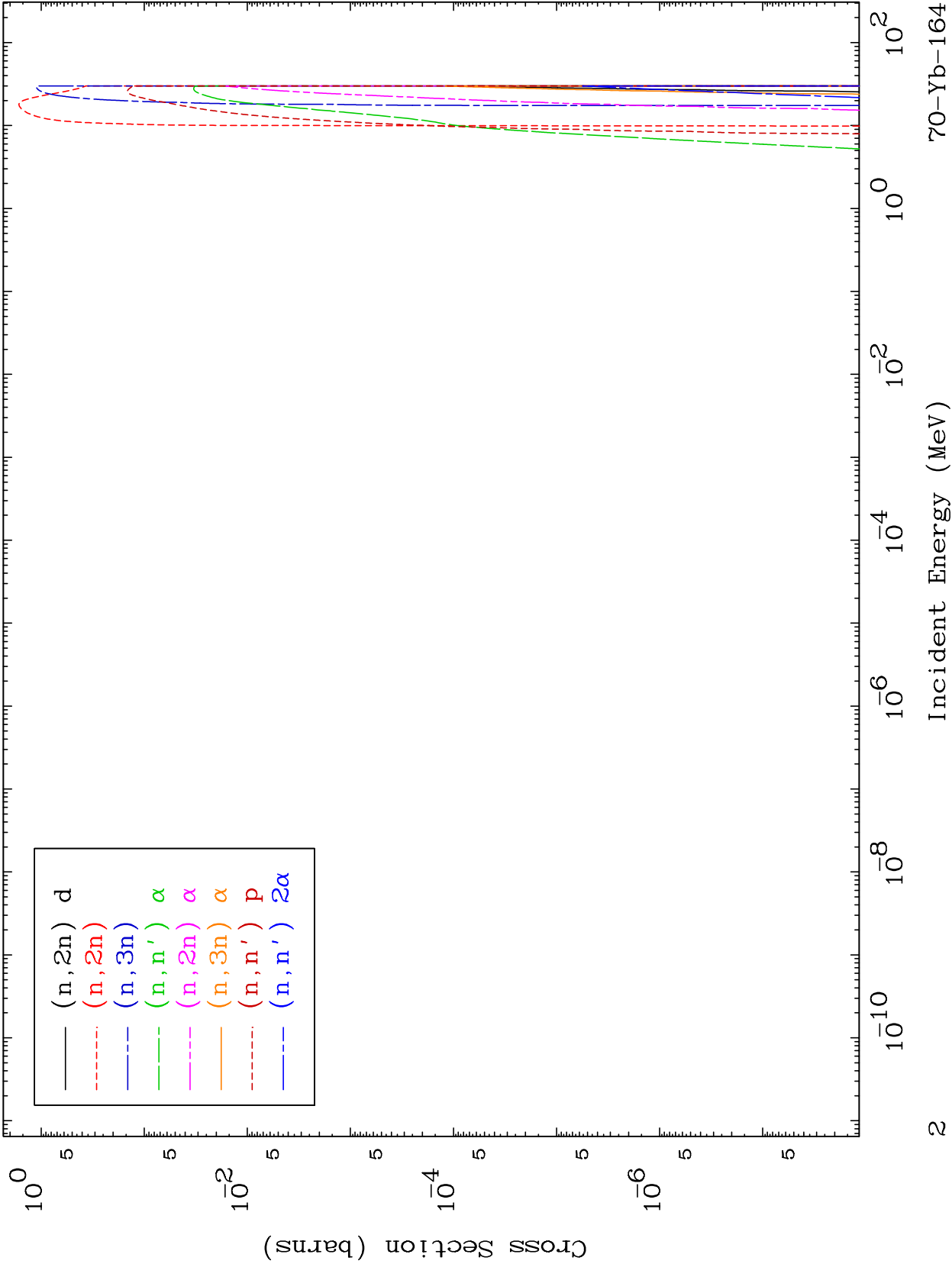
70-Yb-164



MAT 7013

Neutron Absorption  
293 Kelvin Cross Sections

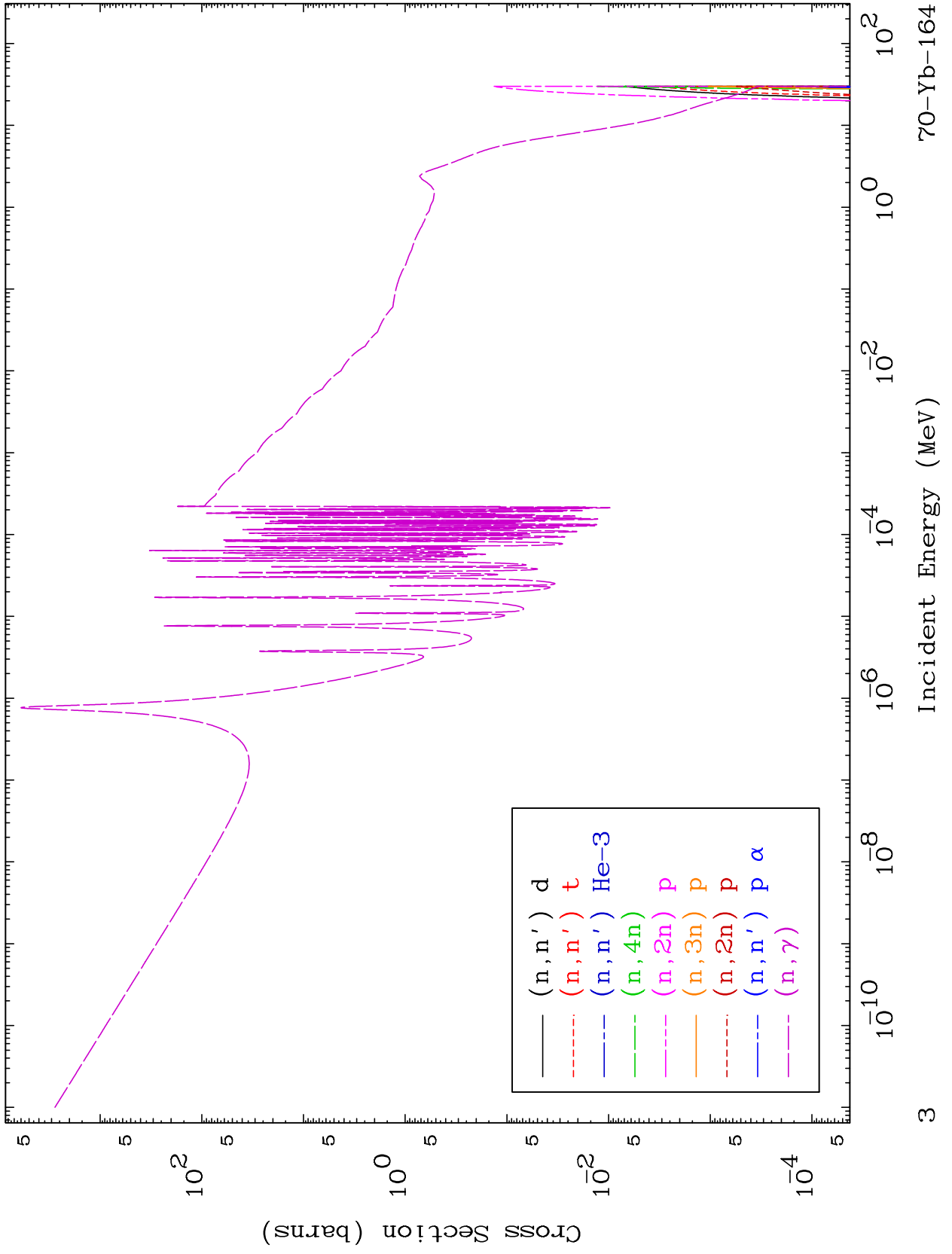
70-Yb-164



MAT 7013

Neutron Absorption  
293 Kelvin Cross Sections

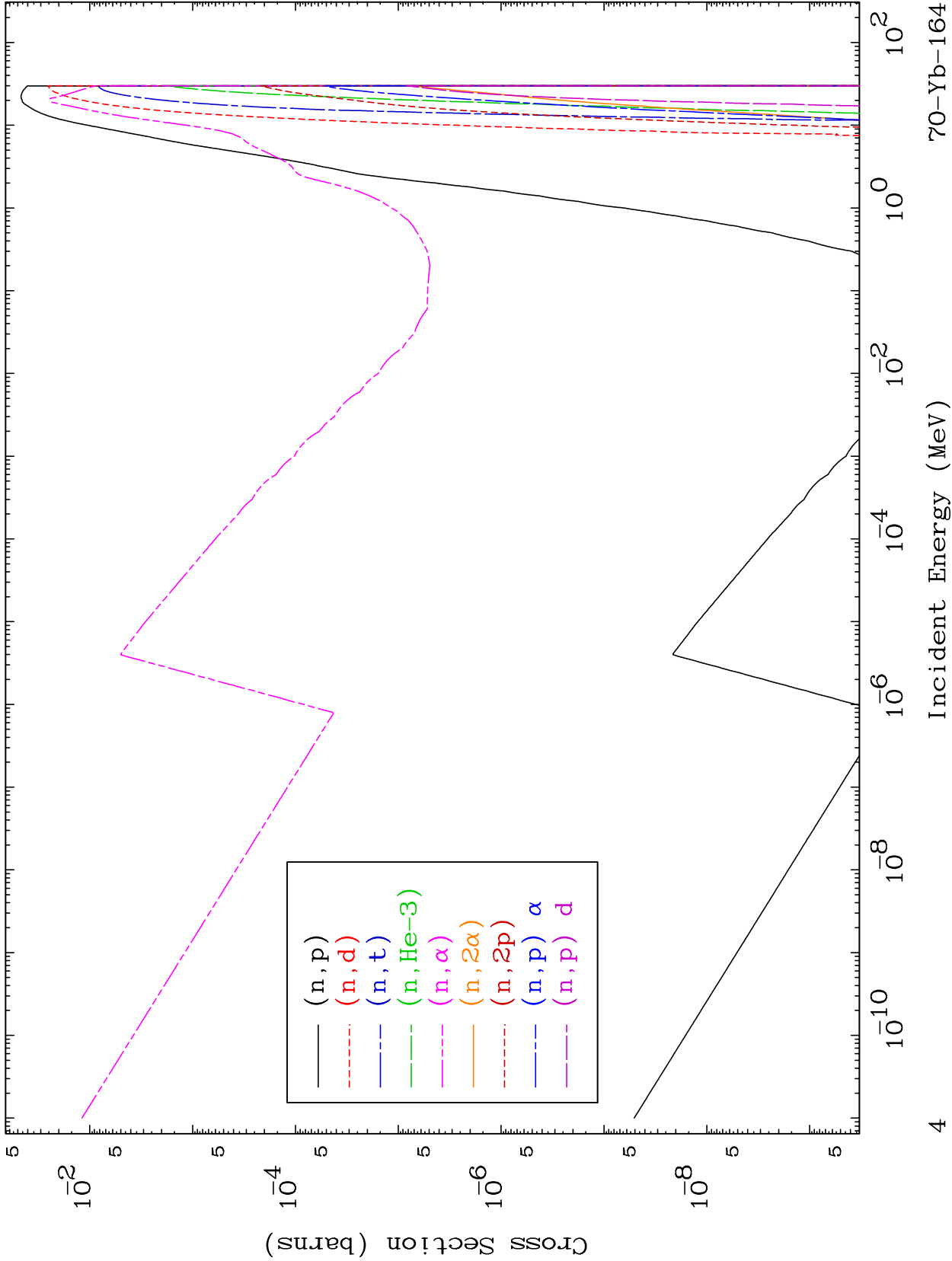
70-Yb-164



MAT 7013

Neutron Absorption  
293 Kelvin Cross Sections

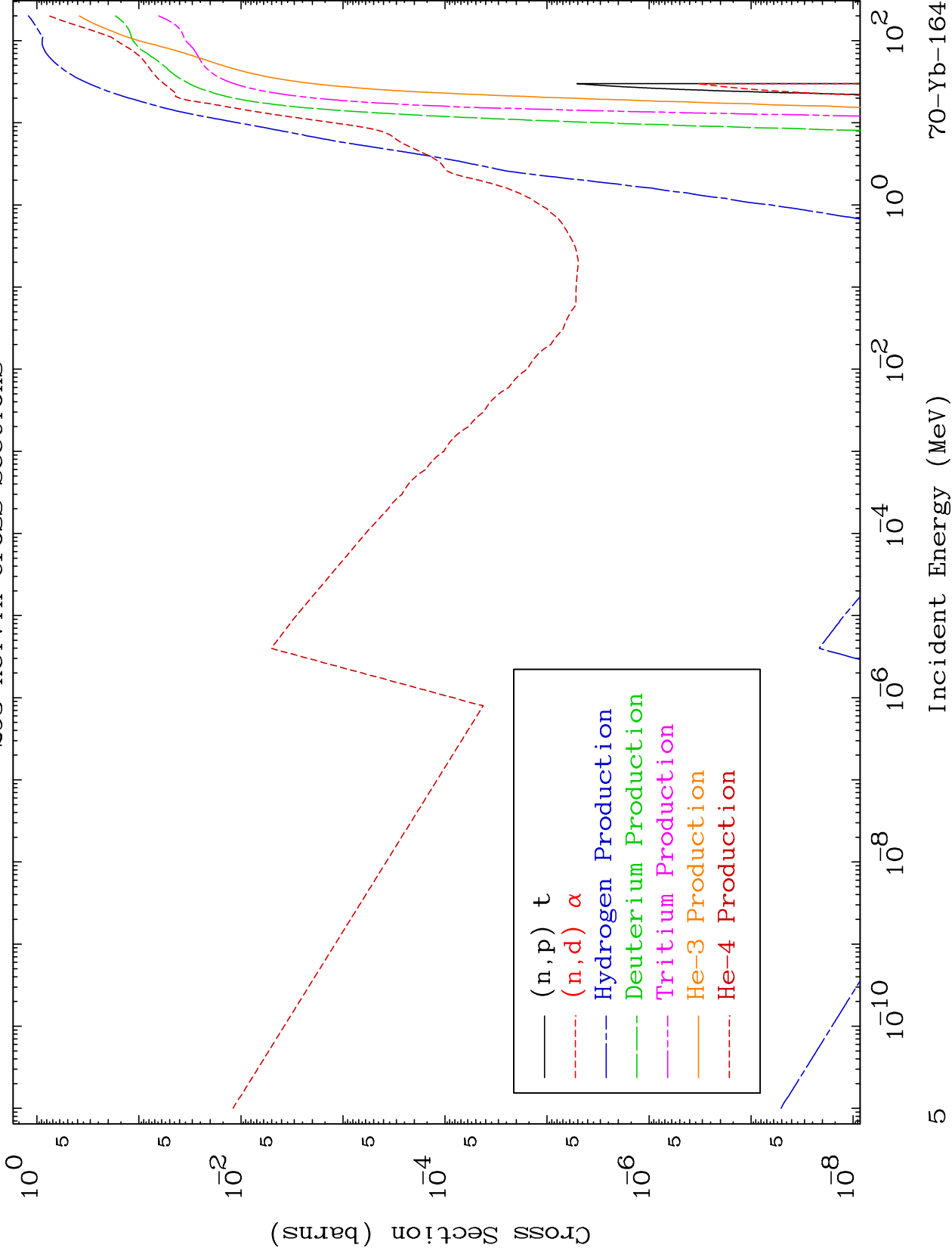
70-Yb-164



MAT 7013

Neutron Absorption  
293 Kelvin Cross Sections

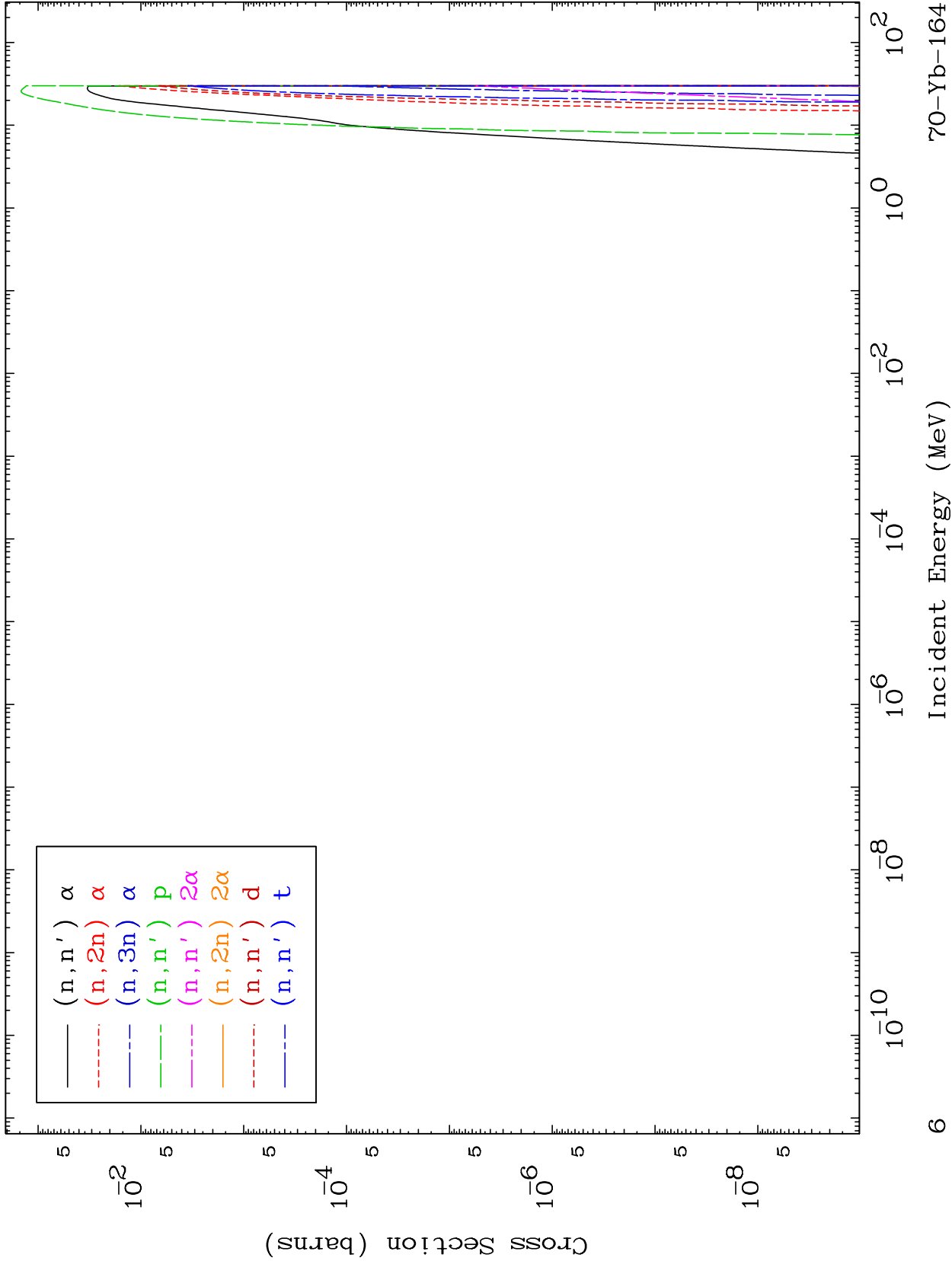
70-Yb-164



MAT 7013

Charged Particle  
293 Kelvin Cross Sections

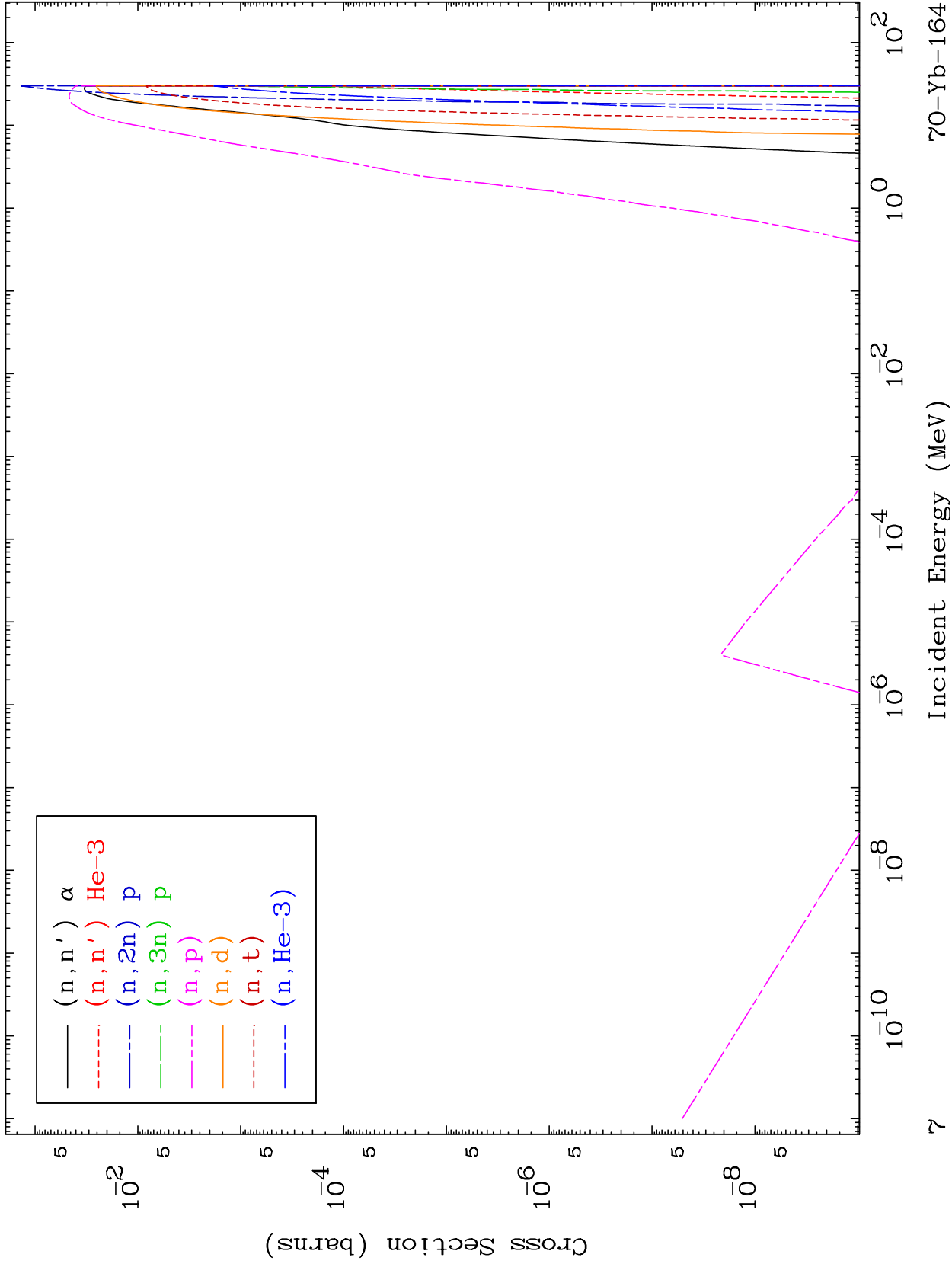
70-Yb-164



MAT 7013

Charged Particle  
293 Kelvin Cross Sections

70-Yb-164

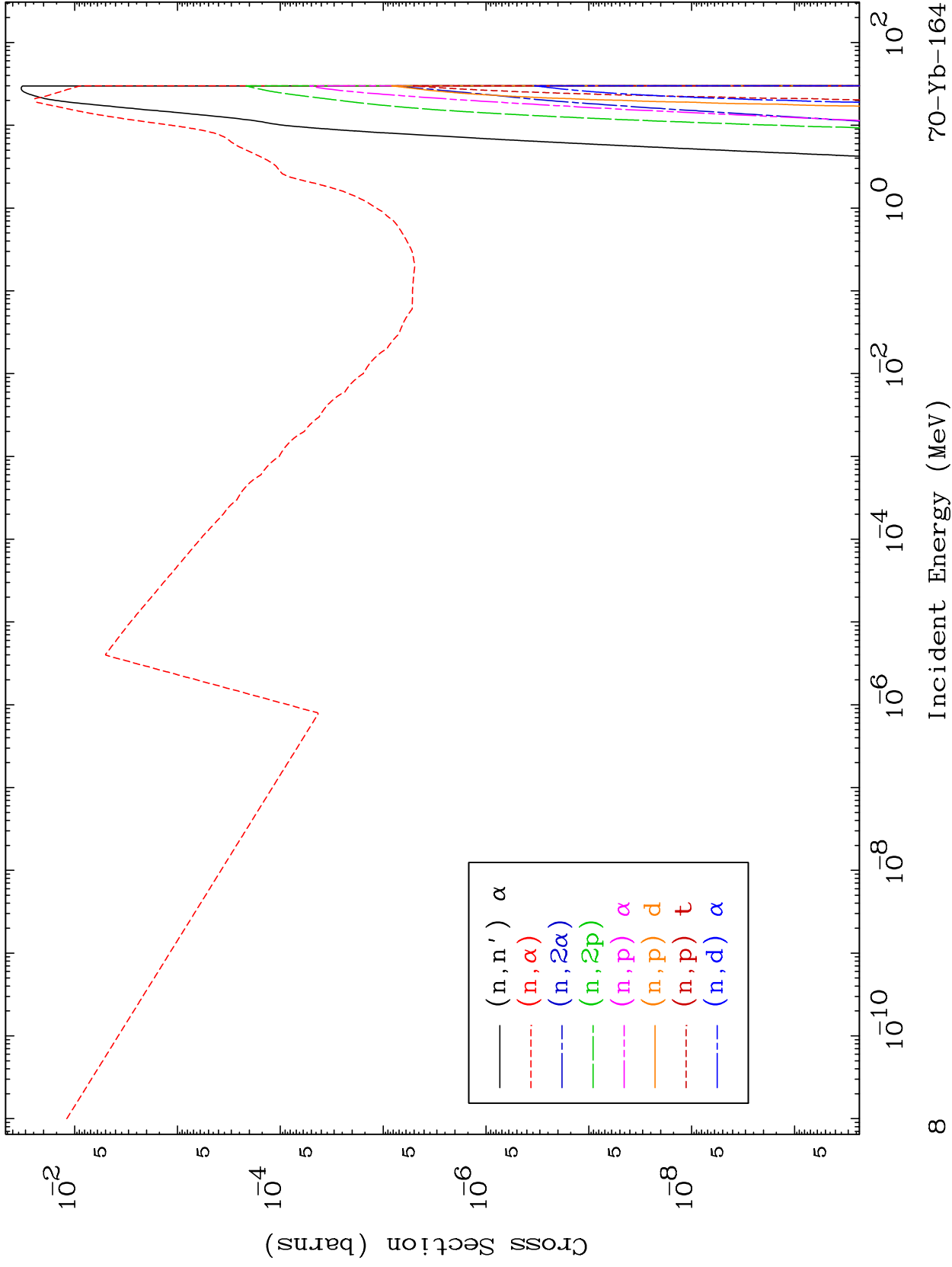




MAT 7013

Charged Particle  
293 Kelvin Cross Sections

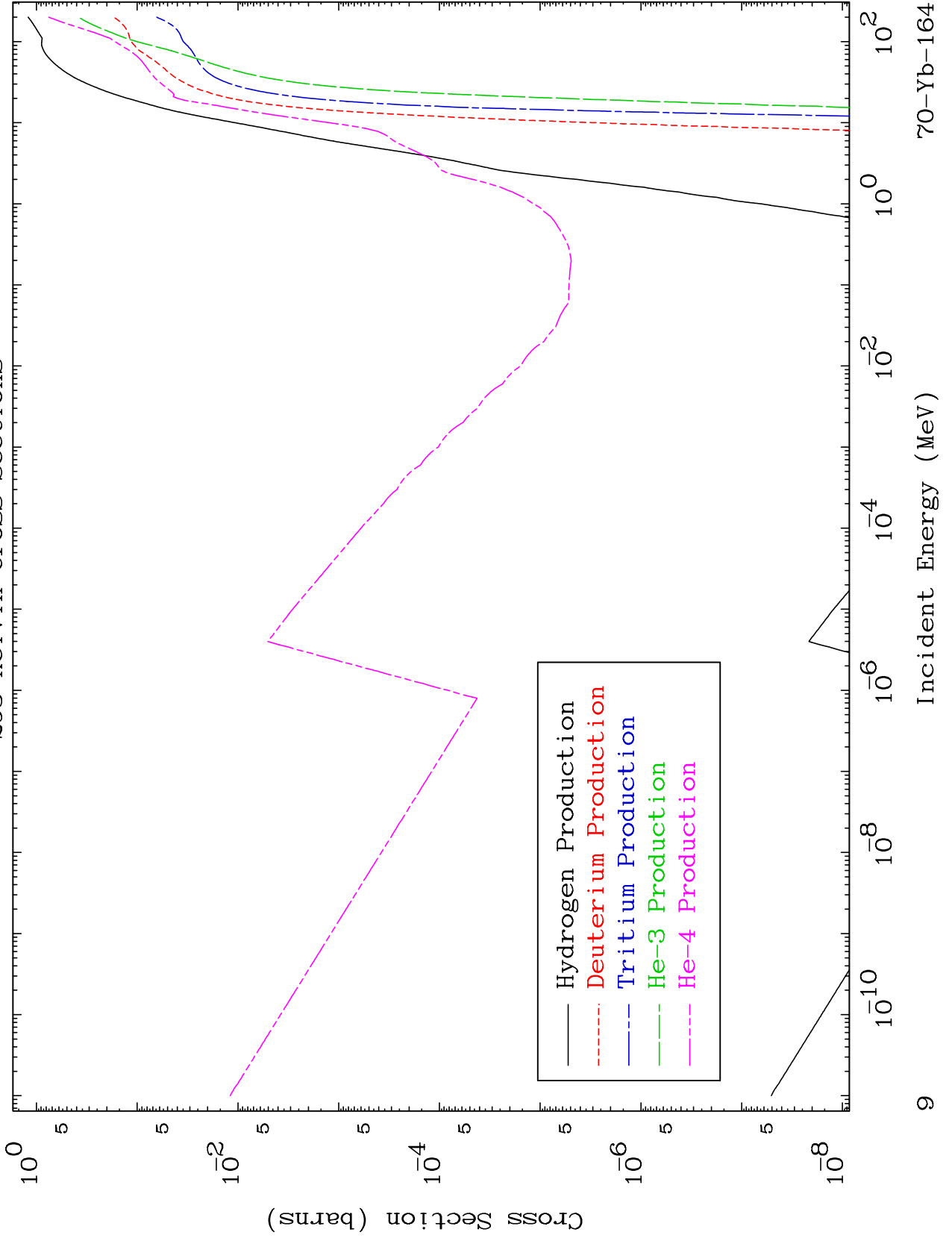
70-Yb-164



MAT 7013

Particle Production  
293 Kelvin Cross Sections

70-Yb-164

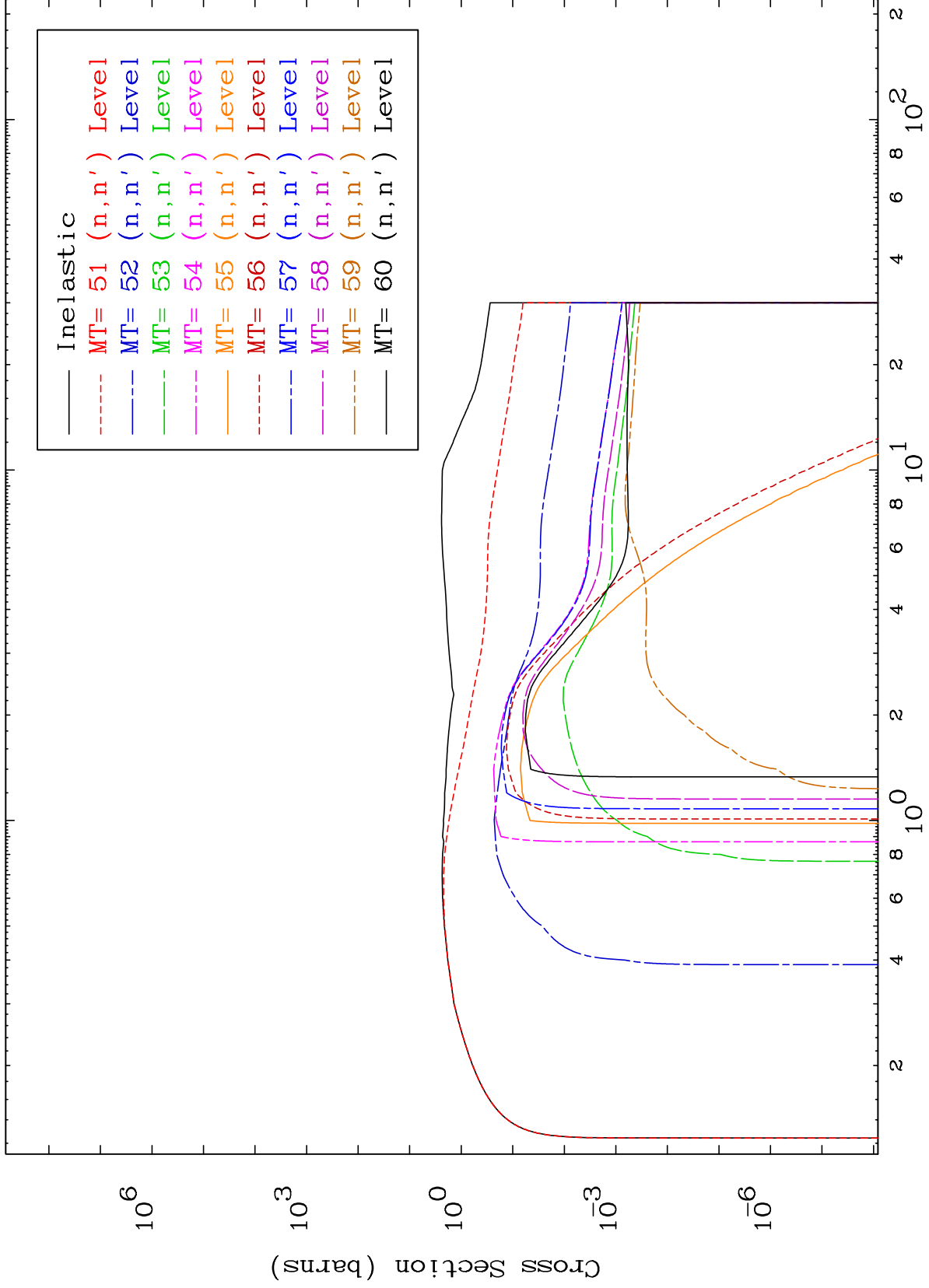


MAT 7013

(n,n') Levels

70-Yb-164

293 Kelvin Cross Sections



10

Incident Energy (MeV)

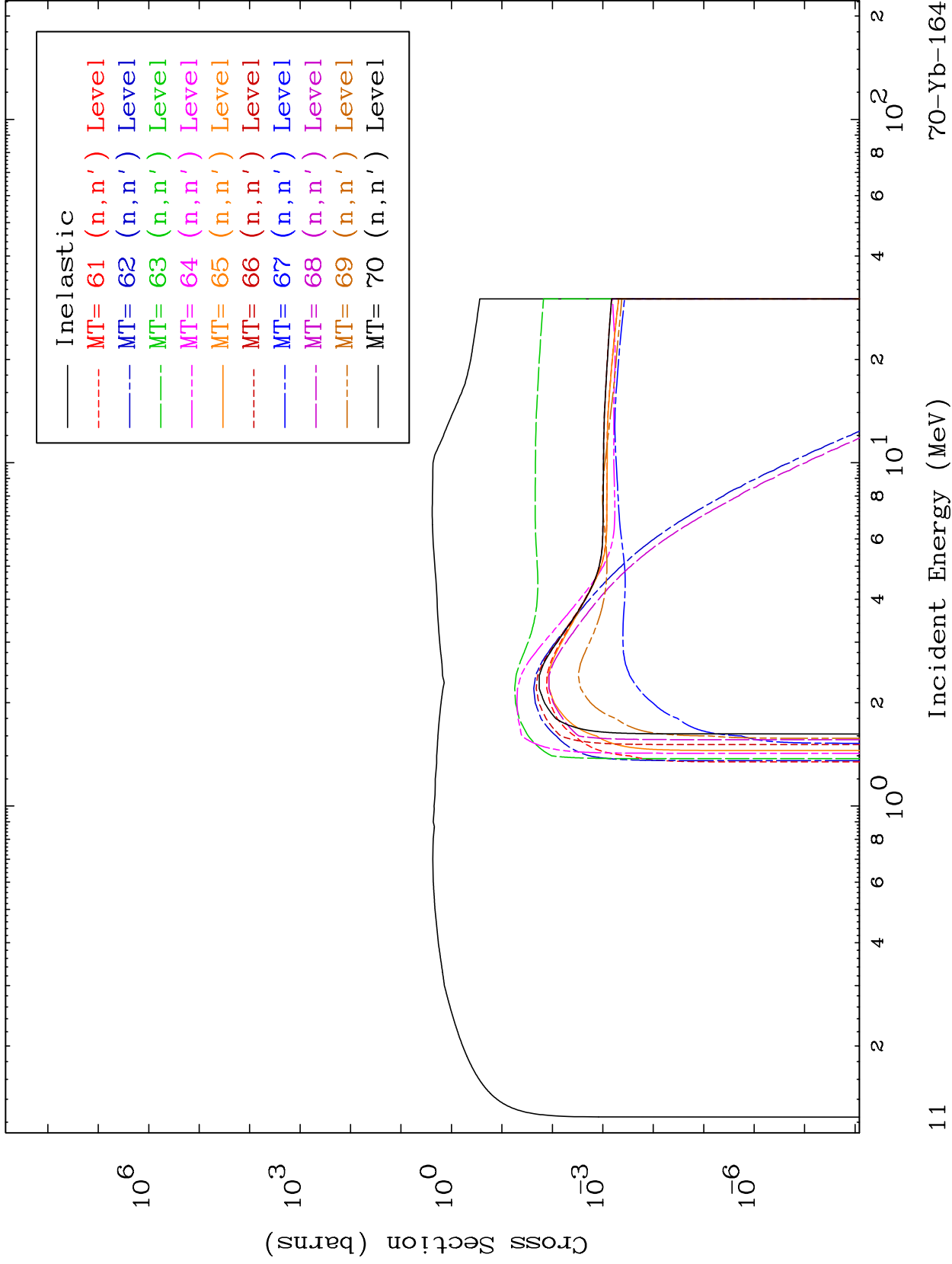
70-Yb-164

MAT 7013

(n,n') Levels

293 Kelvin Cross Sections

70-Yb-164

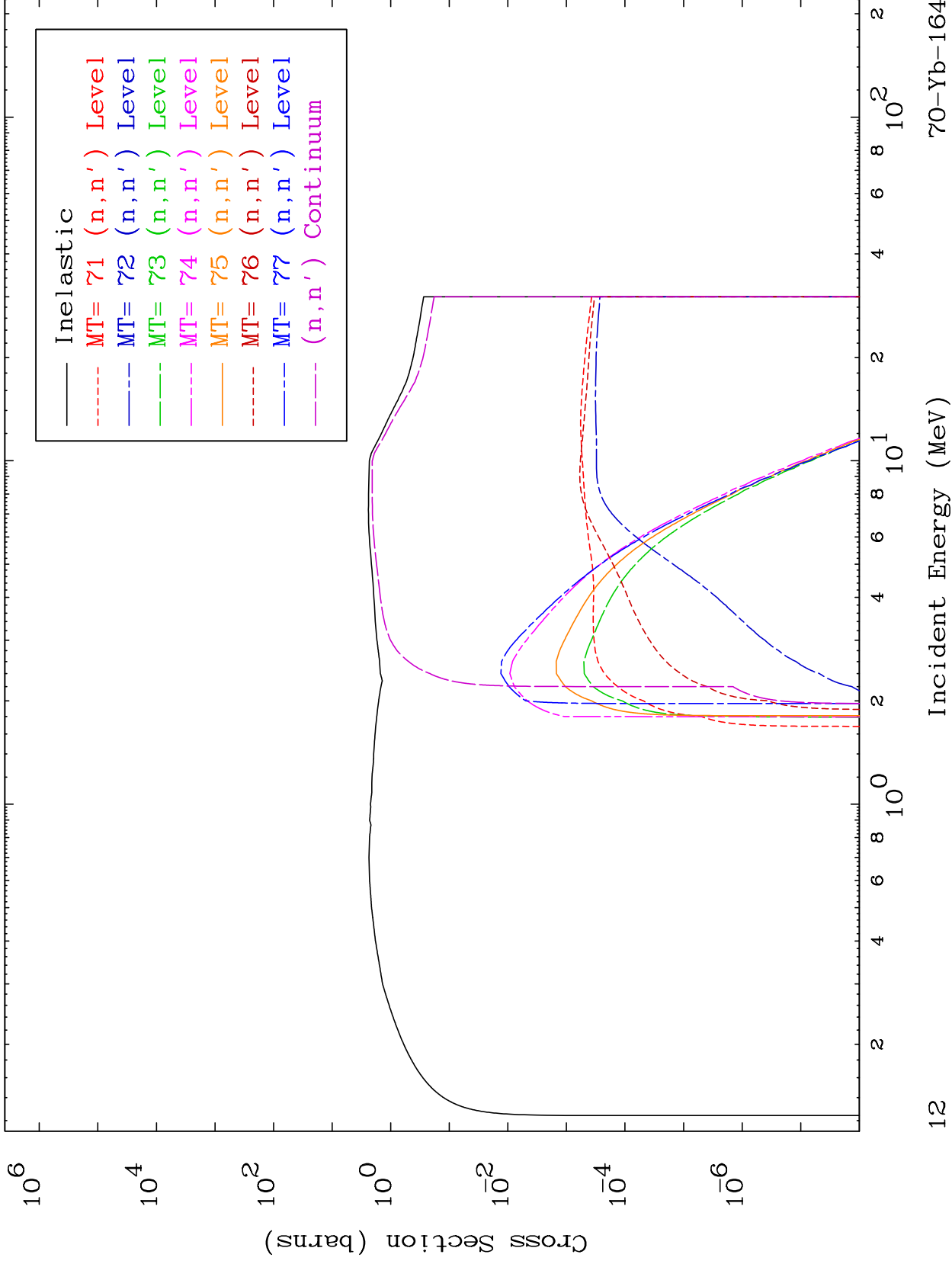


MAT 7013

(n,n') Levels

293 Kelvin Cross Sections

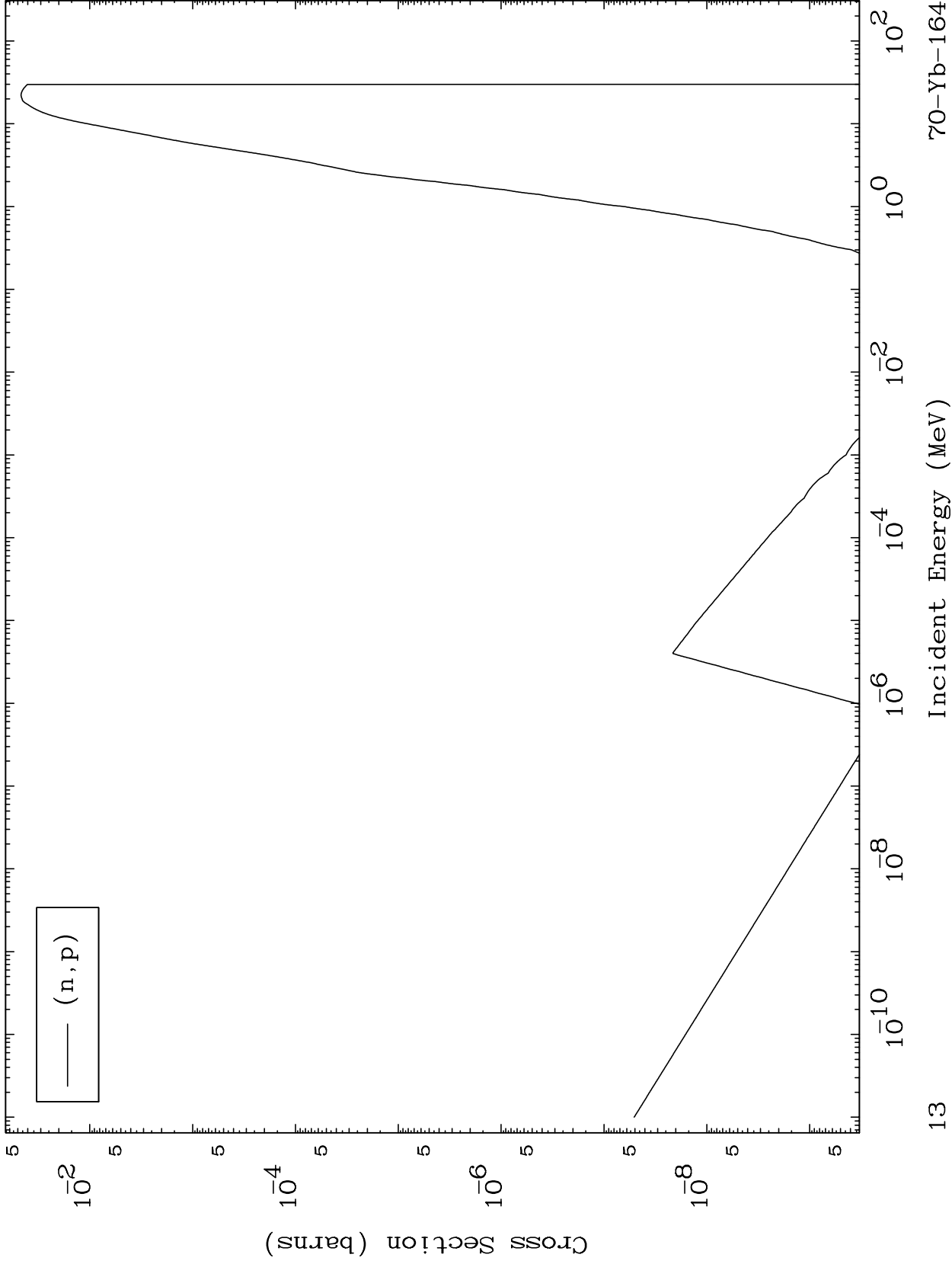
70-Yb-164



MAT 7013

(n,p) Levels  
293 Kelvin Cross Sections

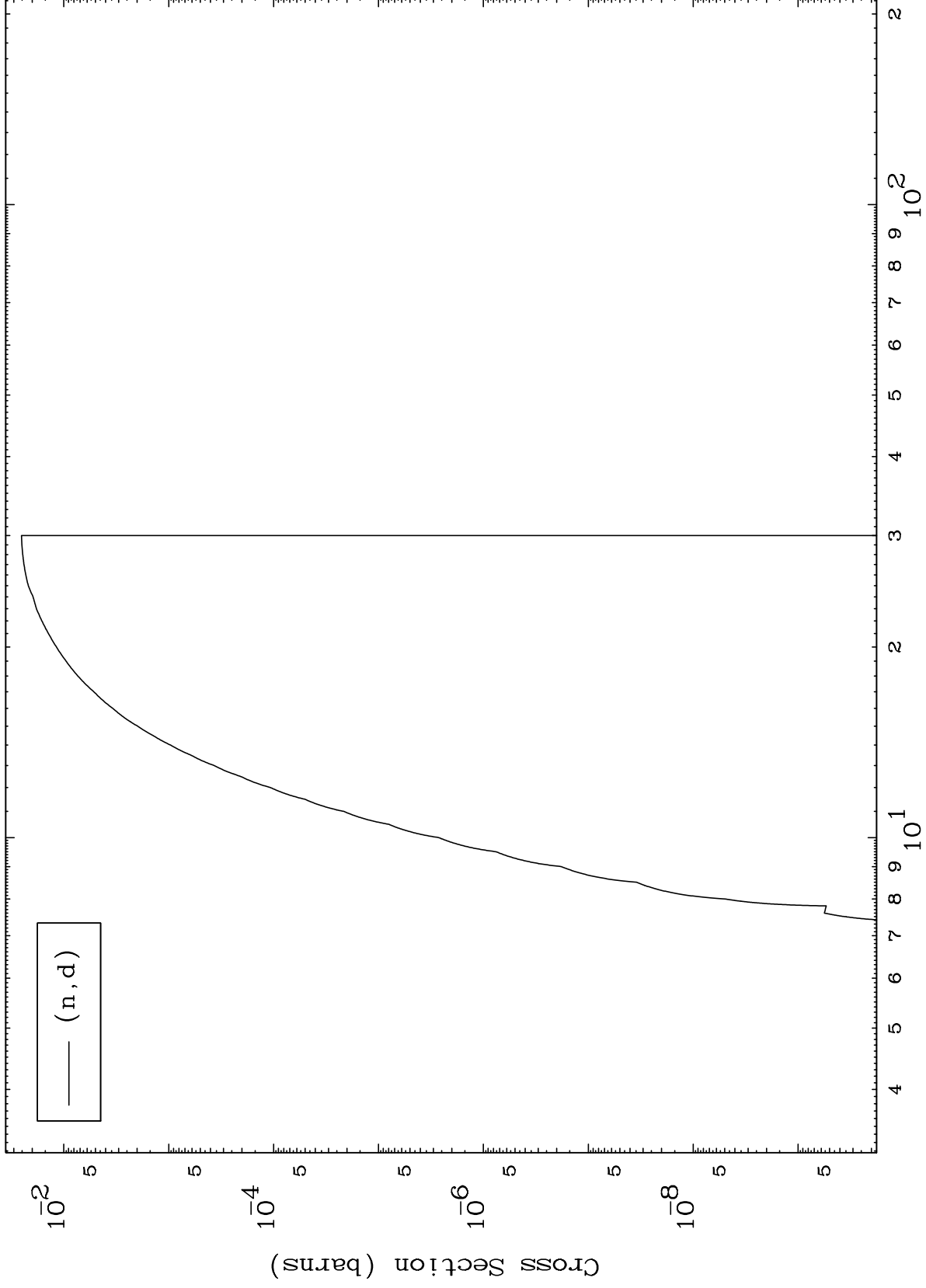
70-Yb-164



MAT 7013

(n,d) Levels  
293 Kelvin Cross Sections

70-Yb-164



14

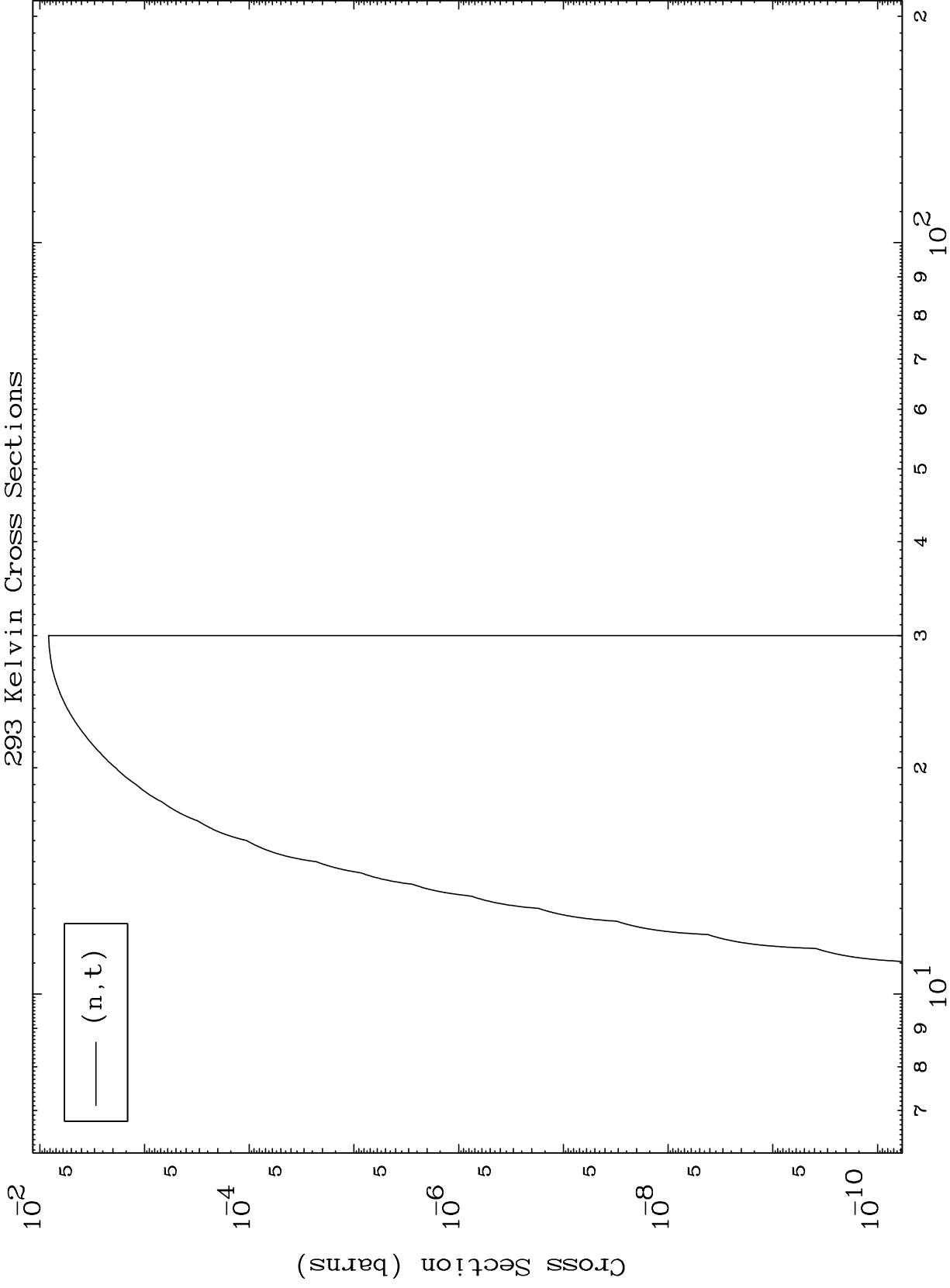
Incident Energy (MeV)

70-Yb-164

MAT 7013

(n, t) Levels  
293 Kelvin Cross Sections

70-Yb-164



15

Incident Energy (MeV)

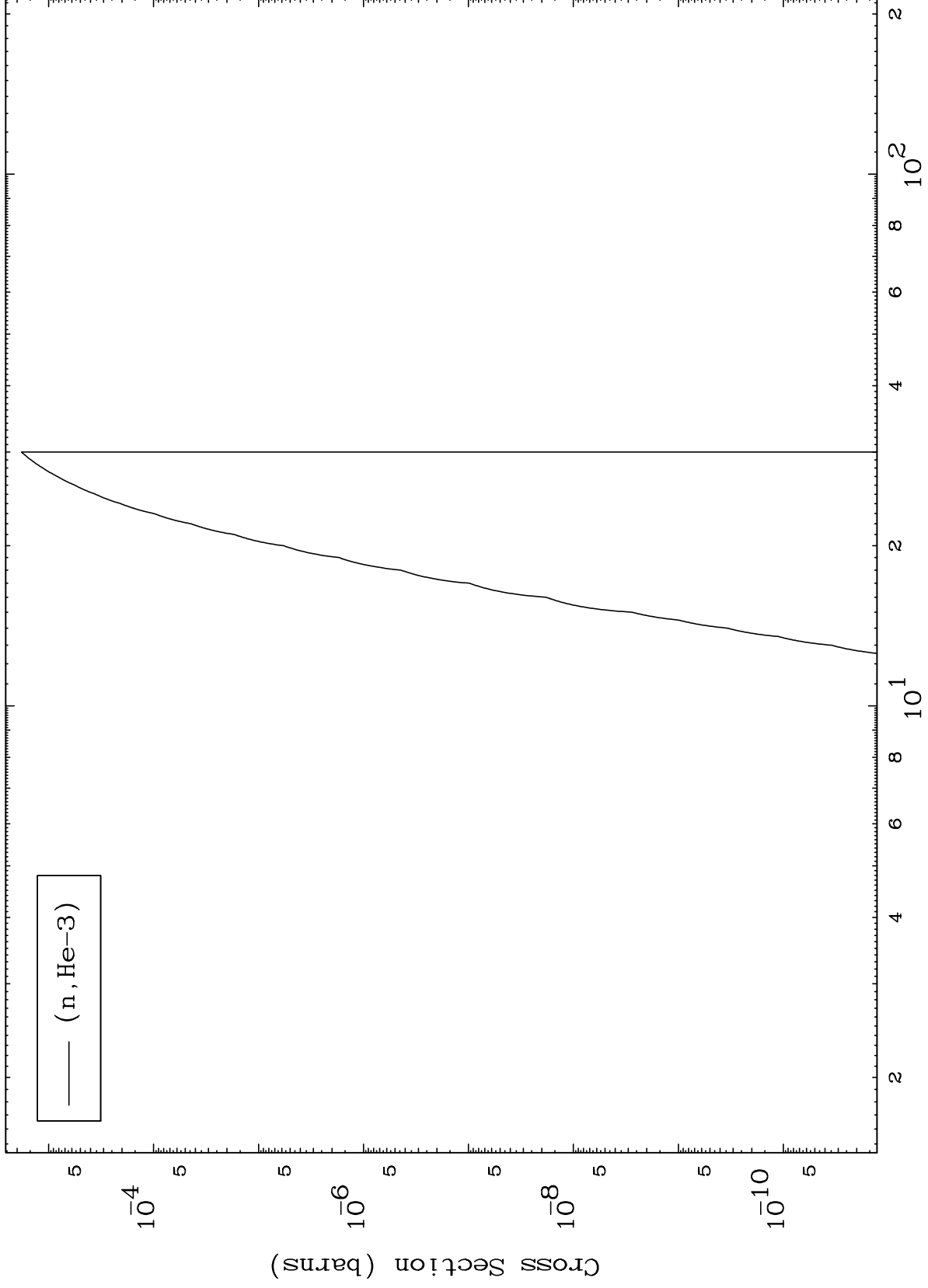
70-Yb-164



MAT 7013

(n,He3) Levels  
293 Kelvin Cross Sections

70-Yb-164



16

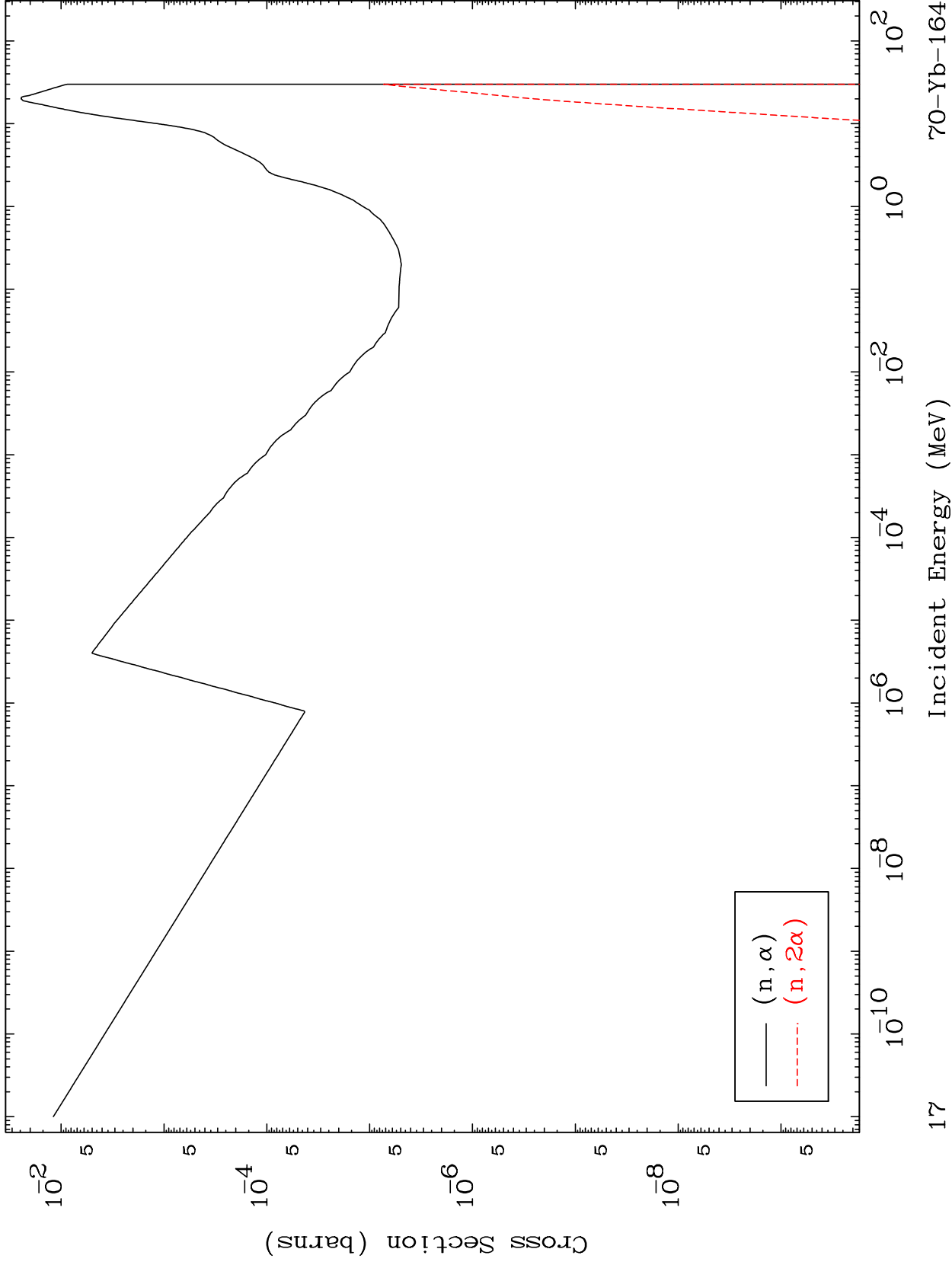
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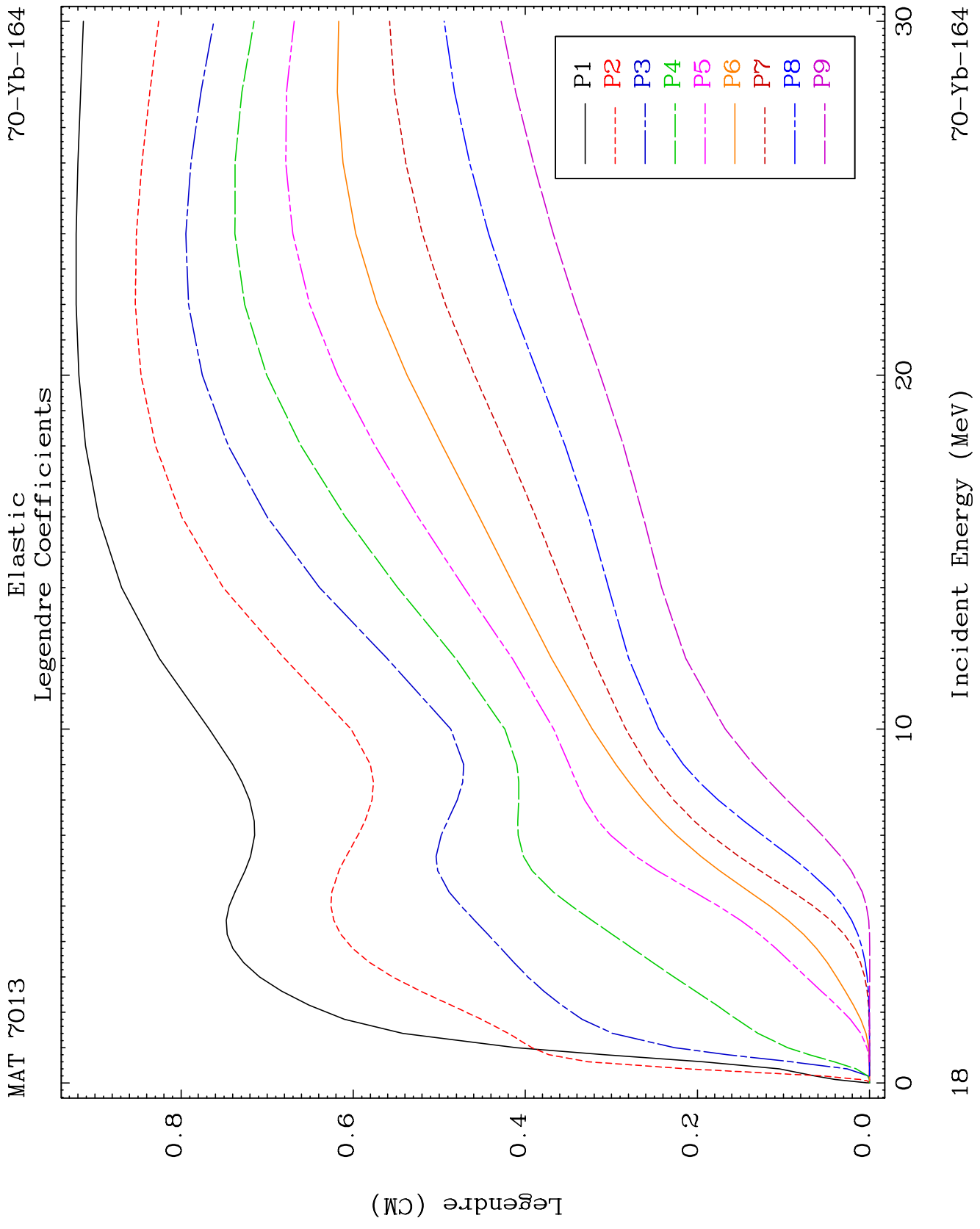
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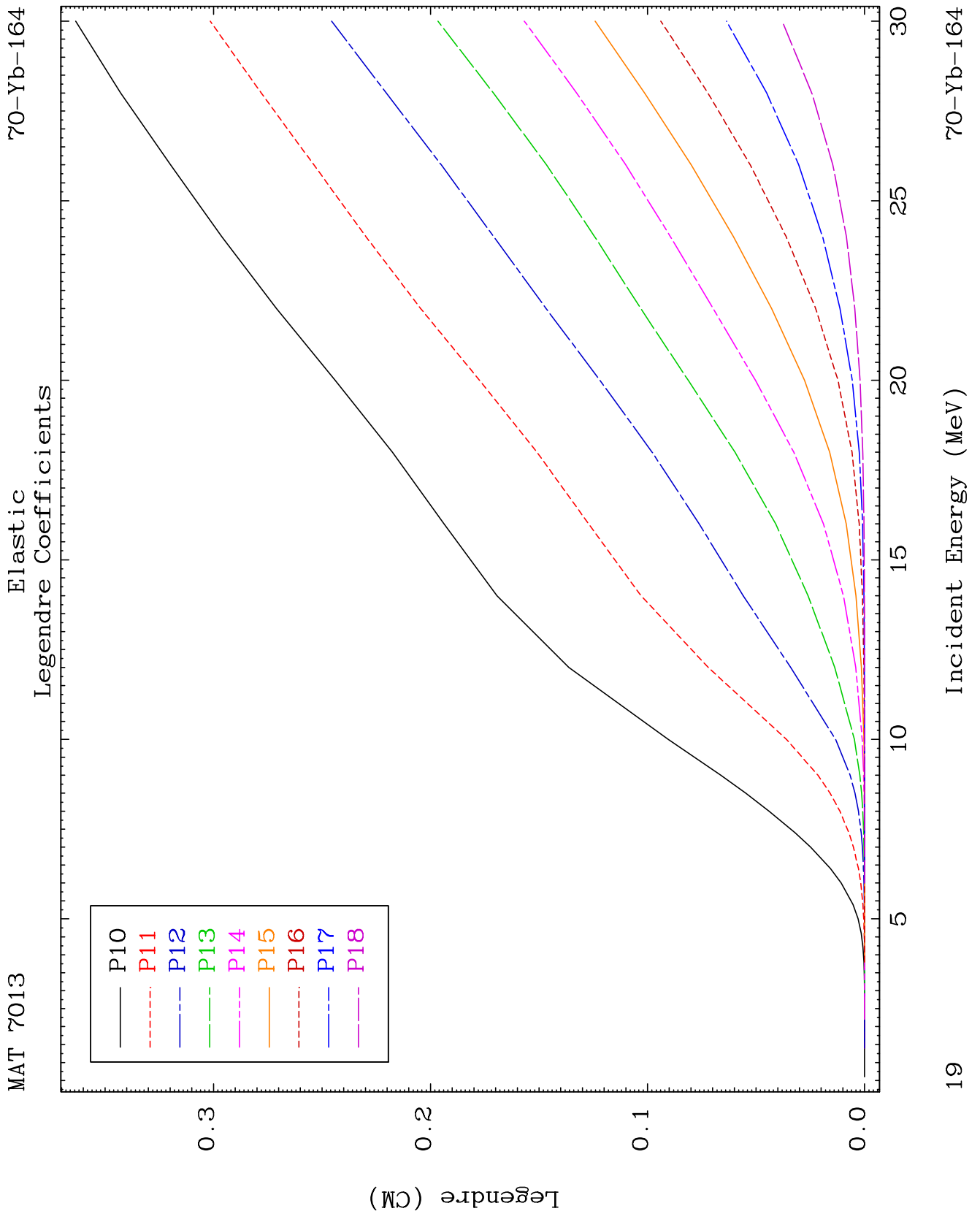
MAT 7013

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

70-Yb-164



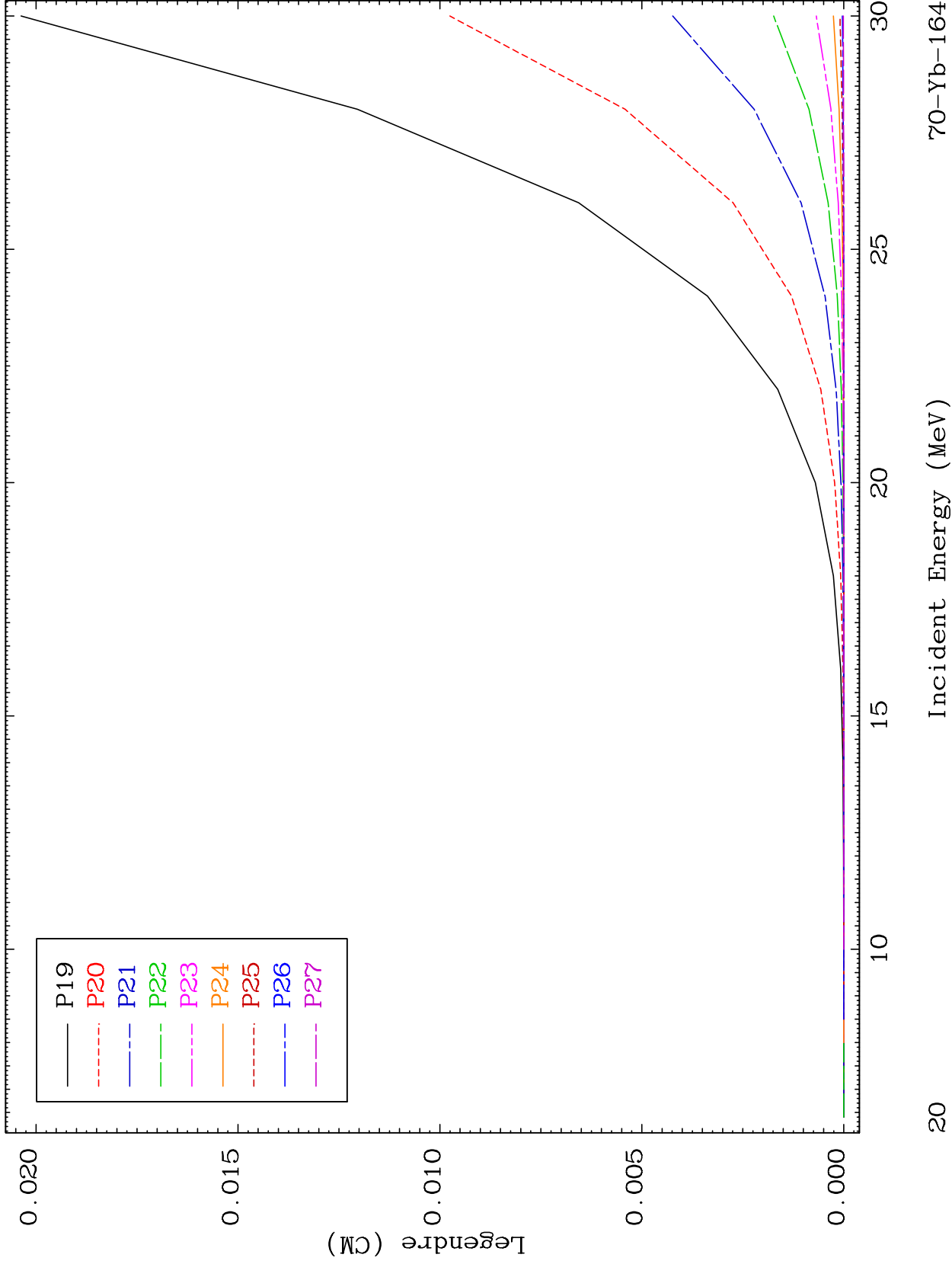




MAT 7013

Elastic  
Legendre Coefficients

70-Yb-164



20

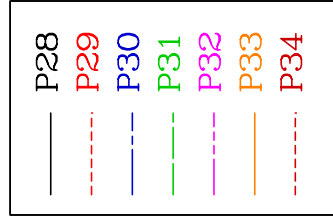
Incident Energy (MeV)

70-Yb-164

MAT 7013

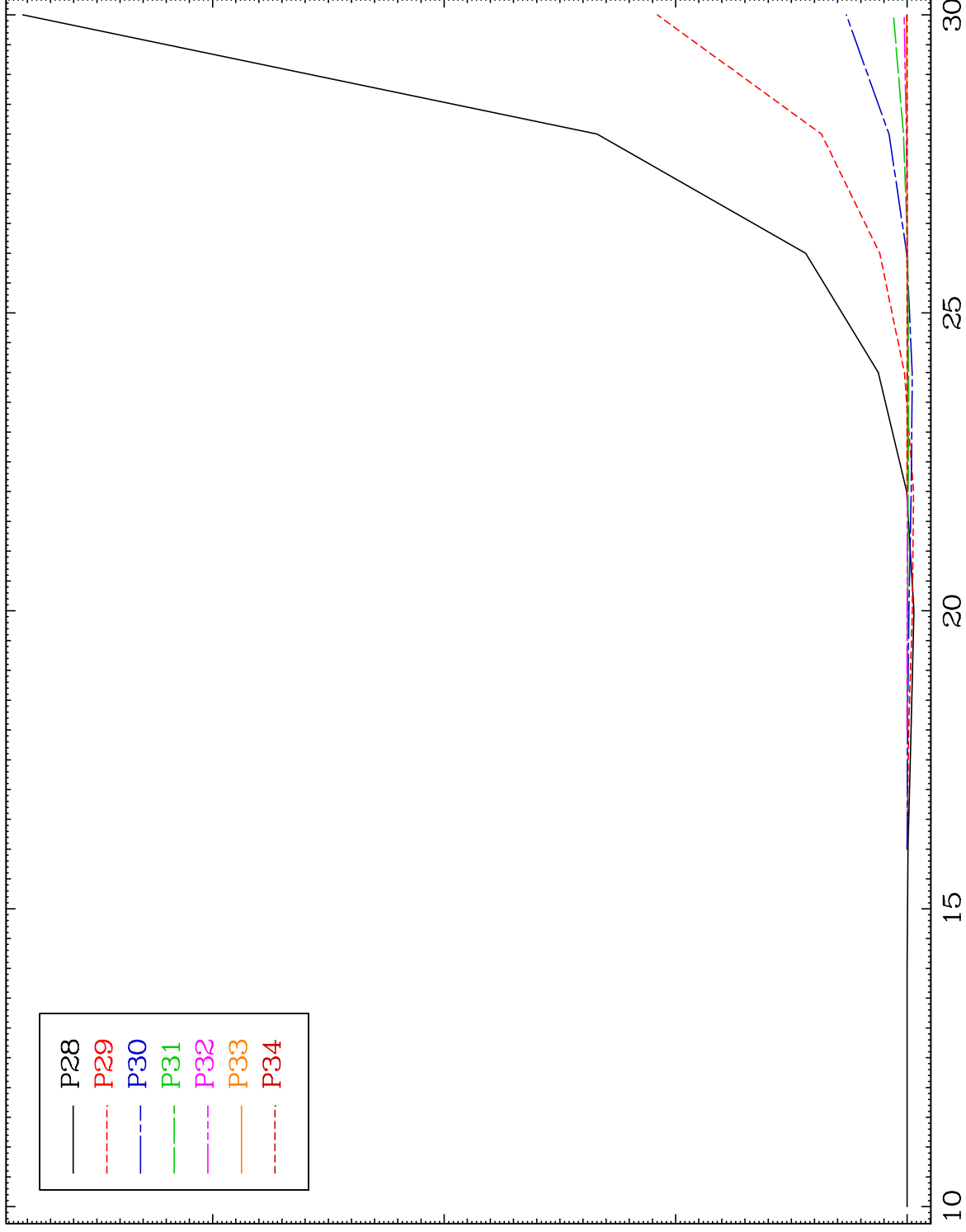
Elastic  
Legendre Coefficients

70-Yb-164



$\times 10^{-6}$

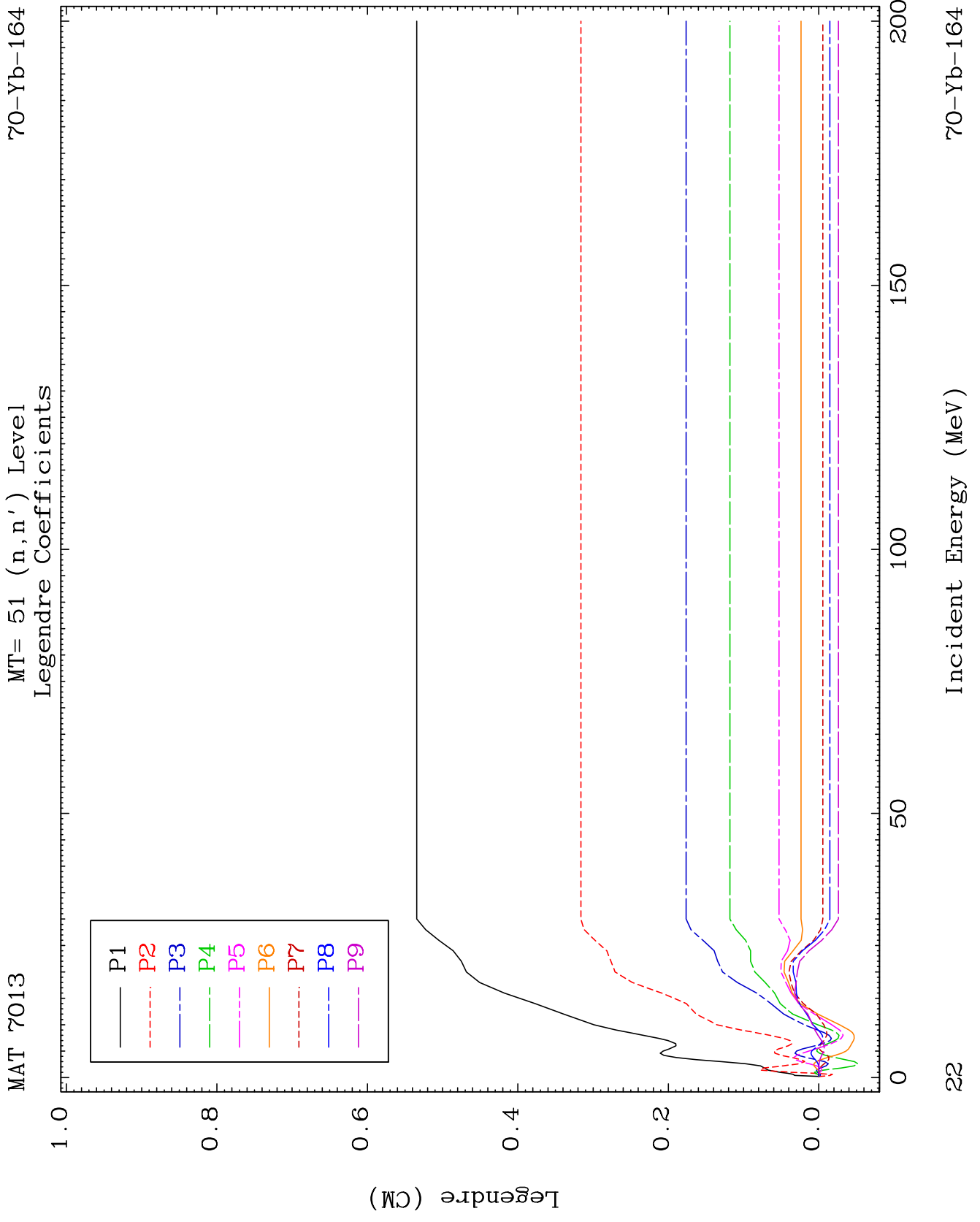
Legendre (CM)

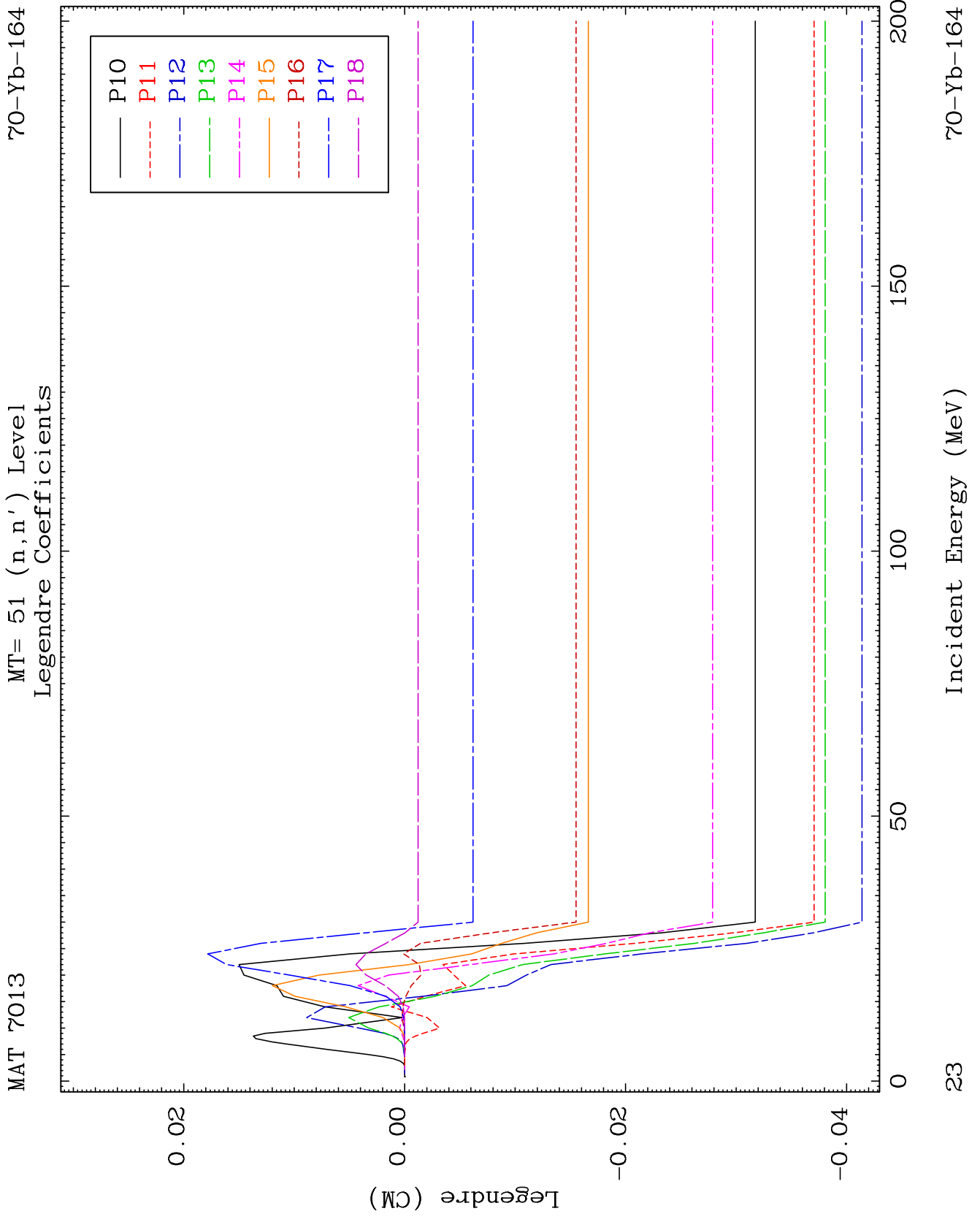


21

Incident Energy (MeV)

70-Yb-164



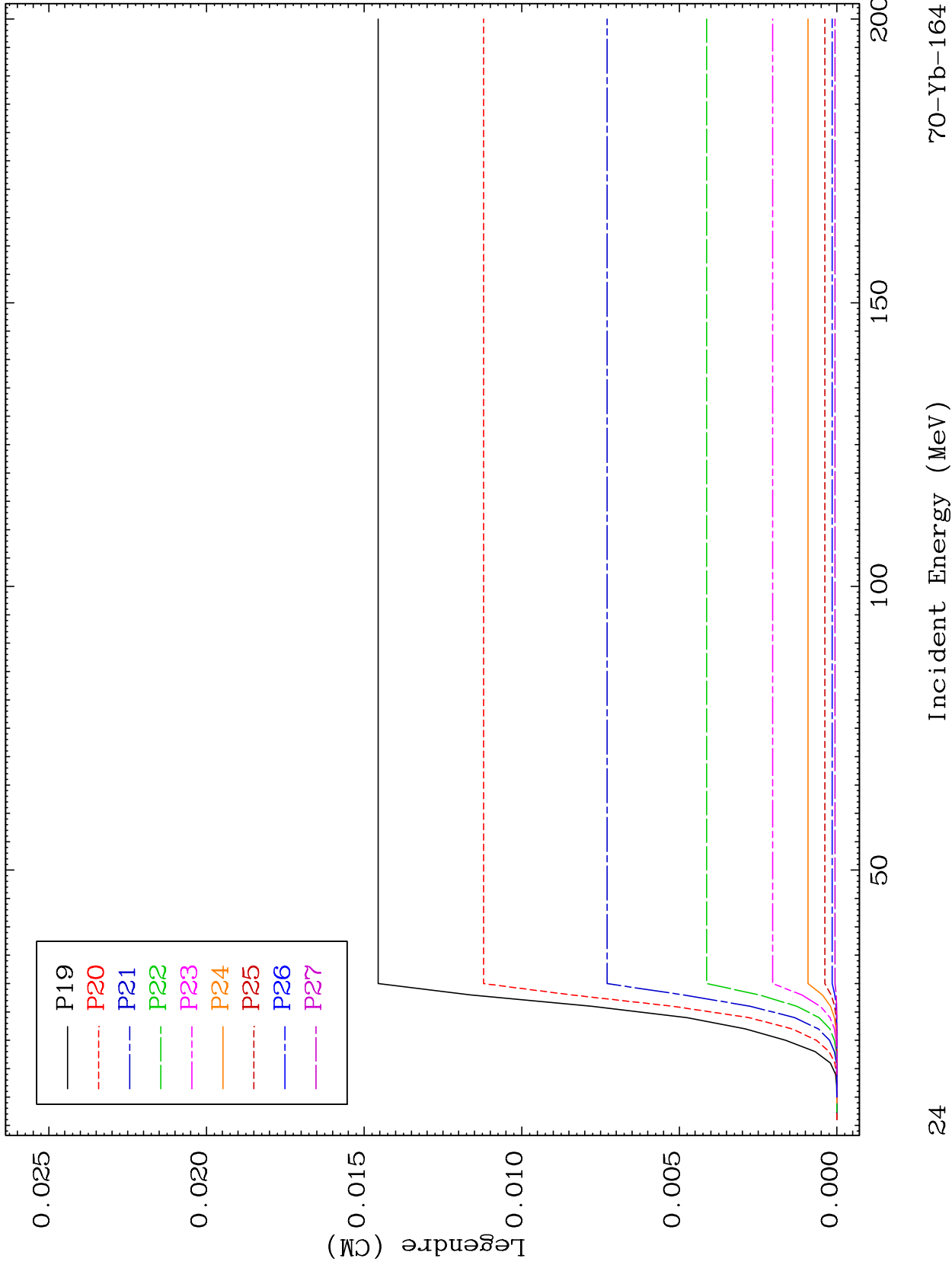




MAT 7013

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

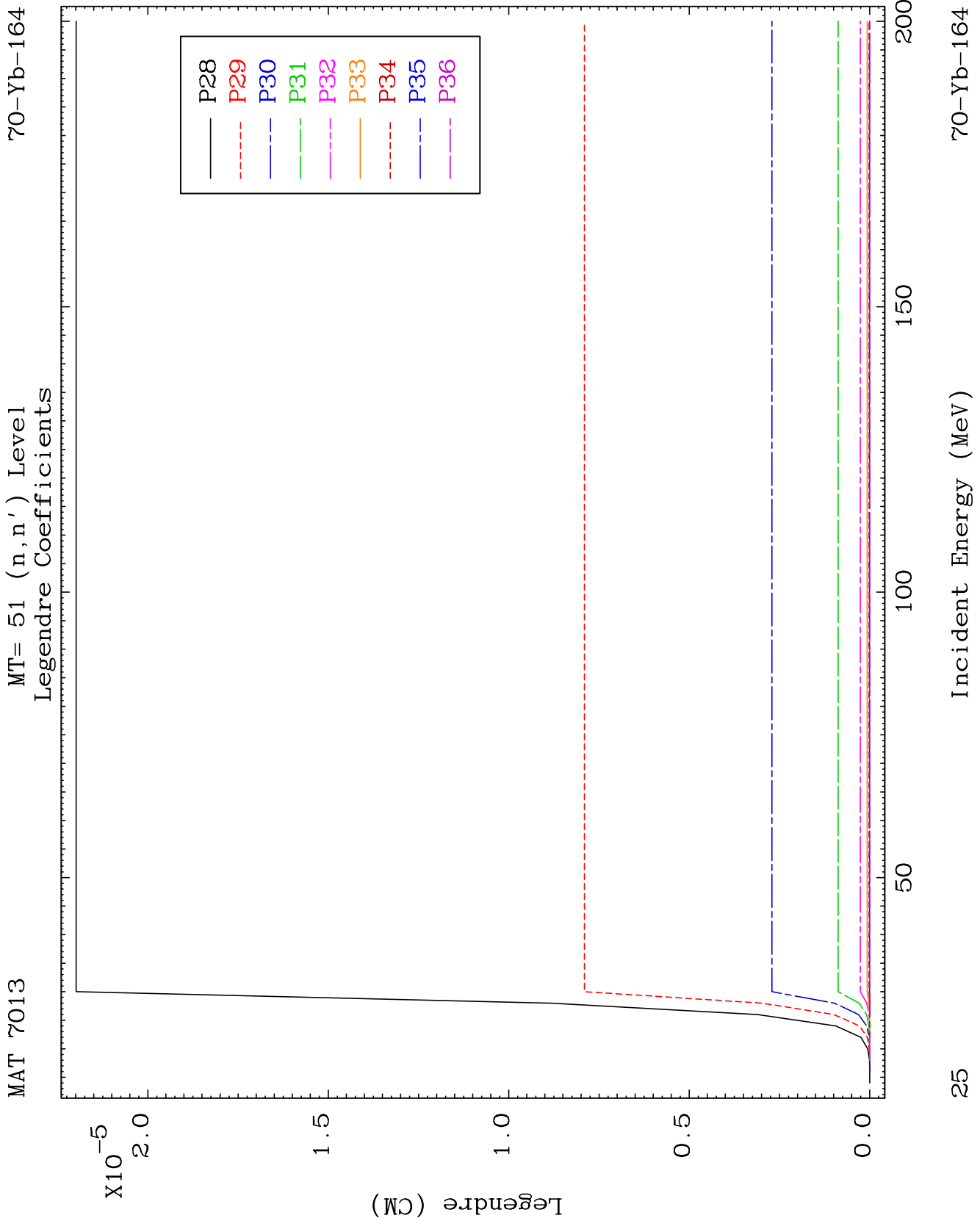
70-Yb-164

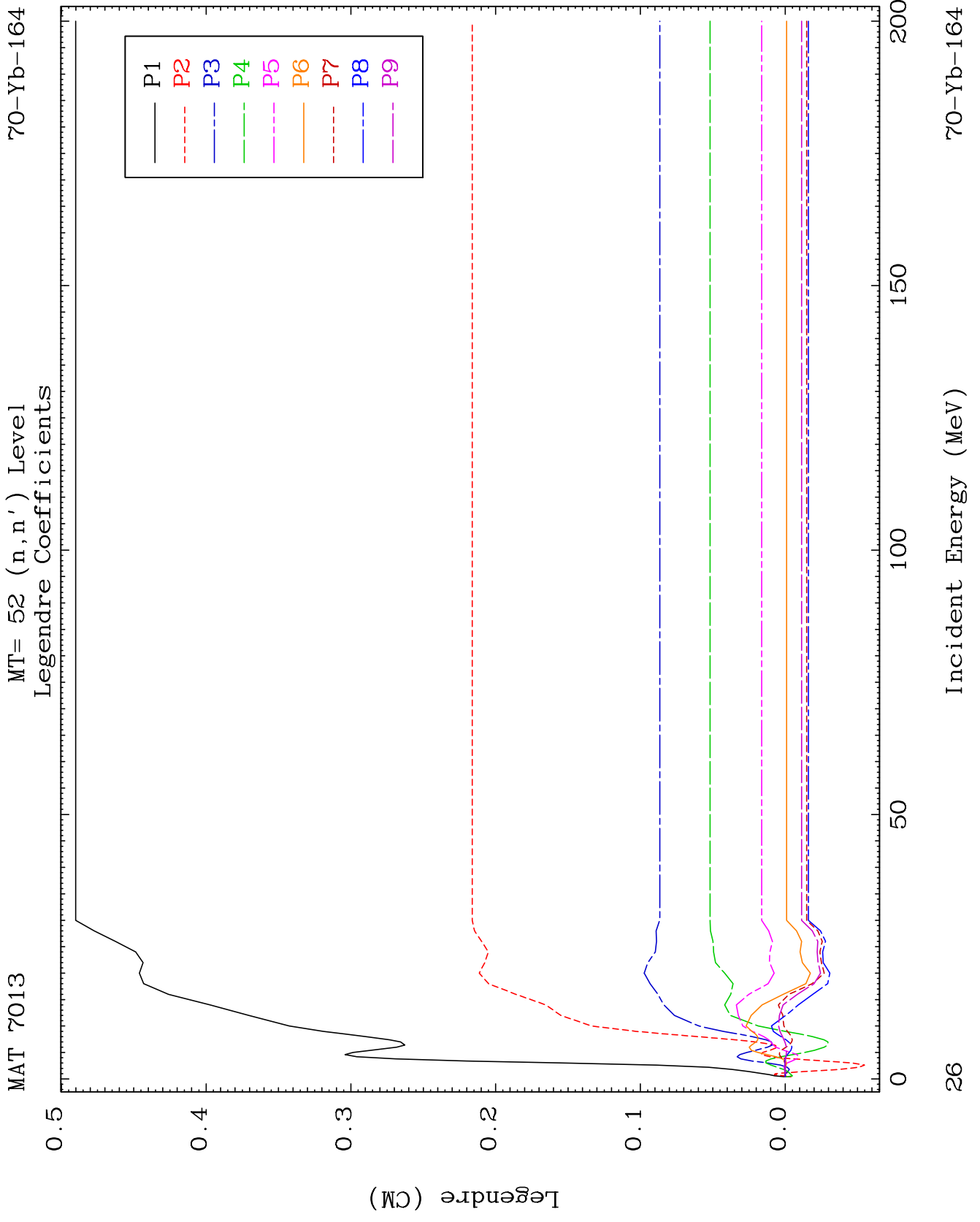


24

Incident Energy (MeV)

70-Yb-164

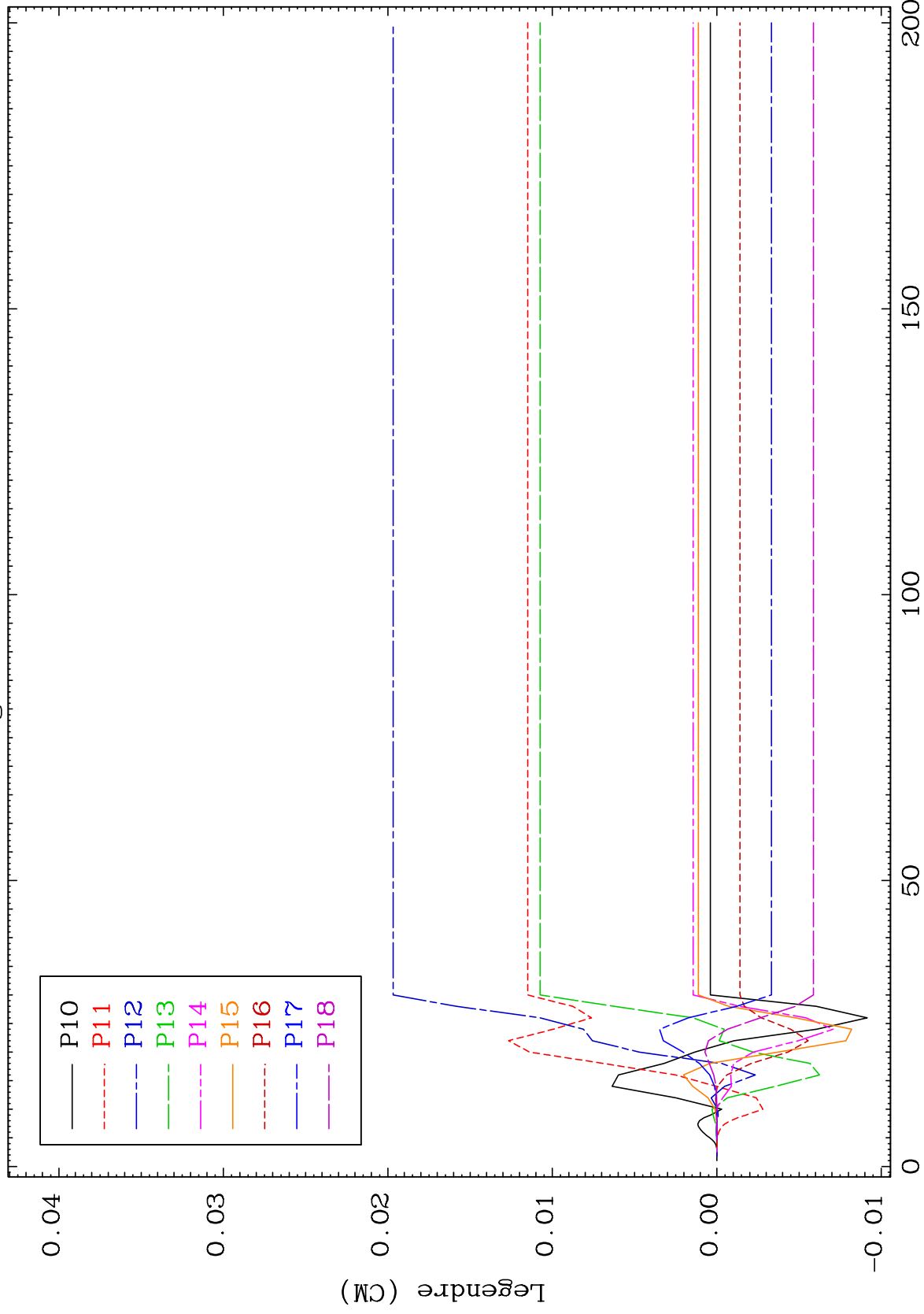




MAT 7013

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

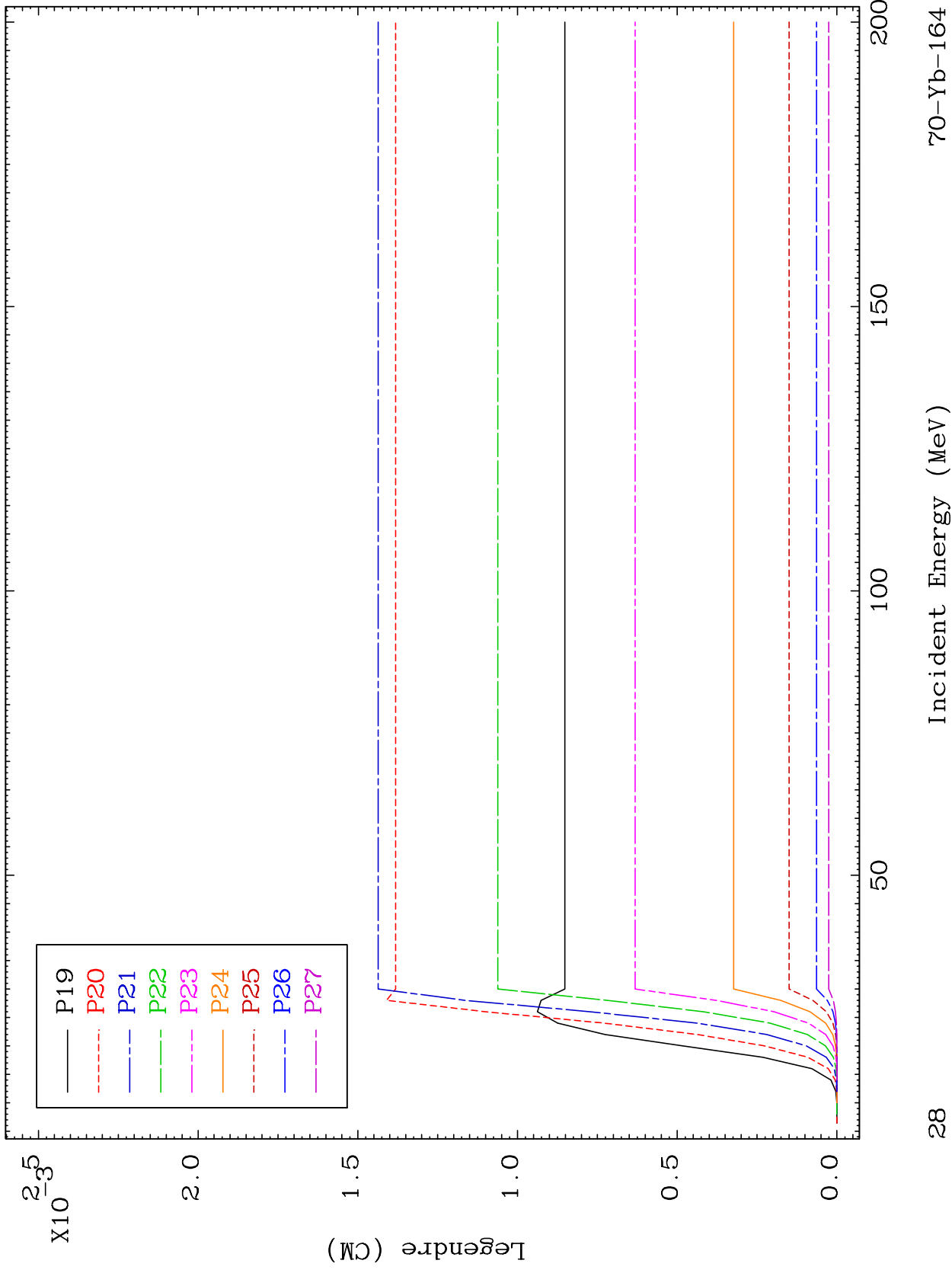
70-Yb-164



27

Incident Energy (MeV)

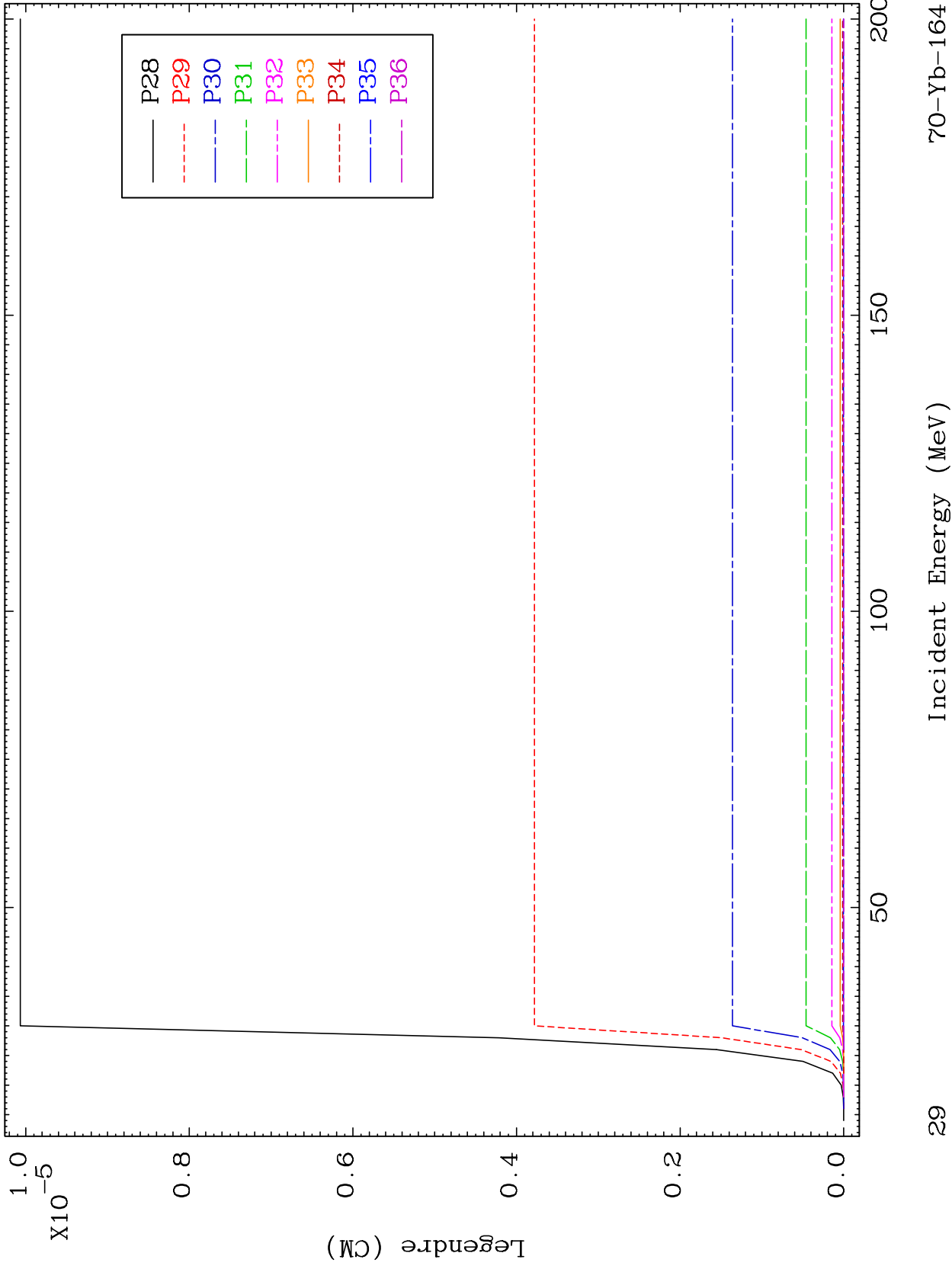
70-Yb-164



MAT 7013

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

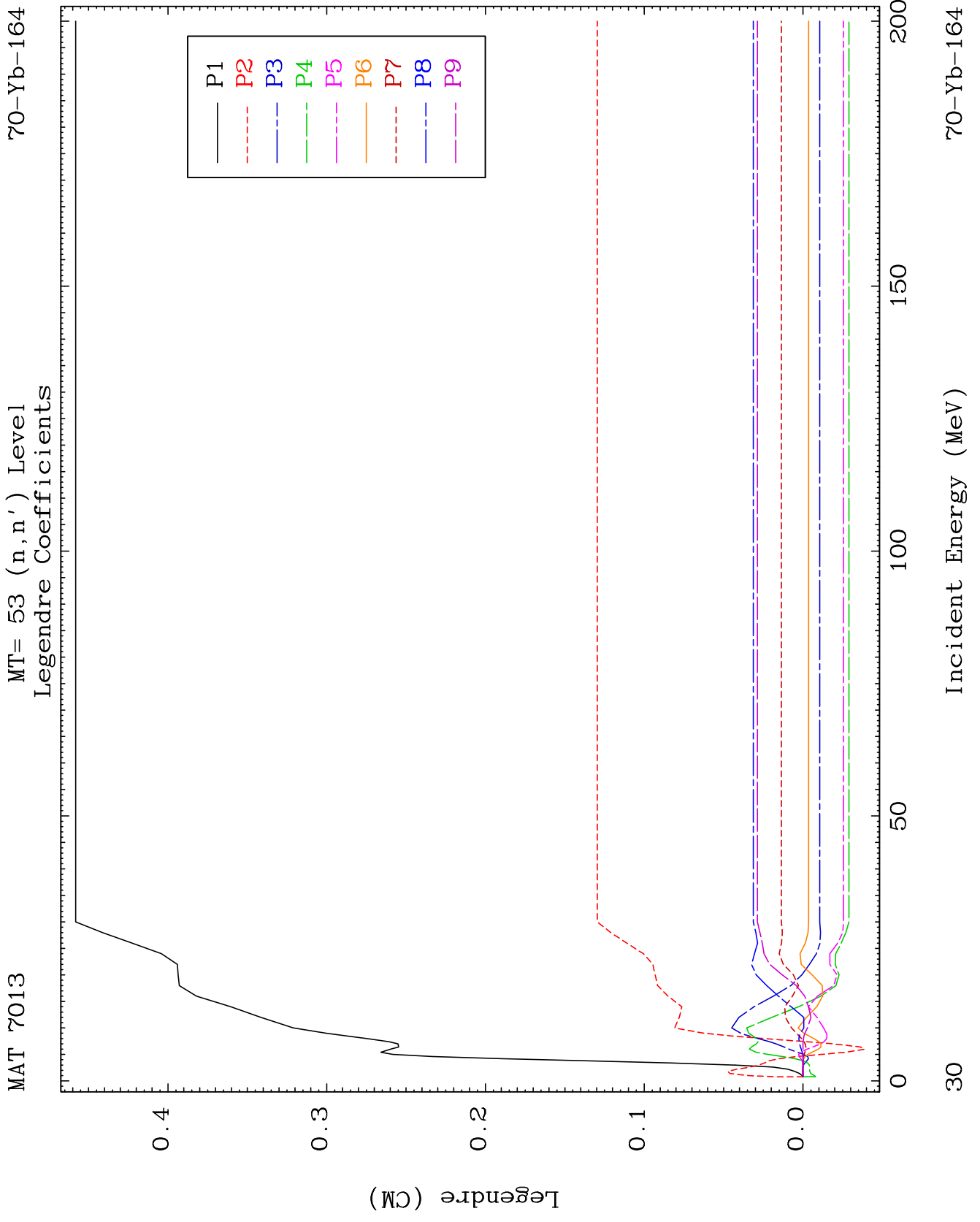
70-Yb-164



29

Incident Energy (MeV)

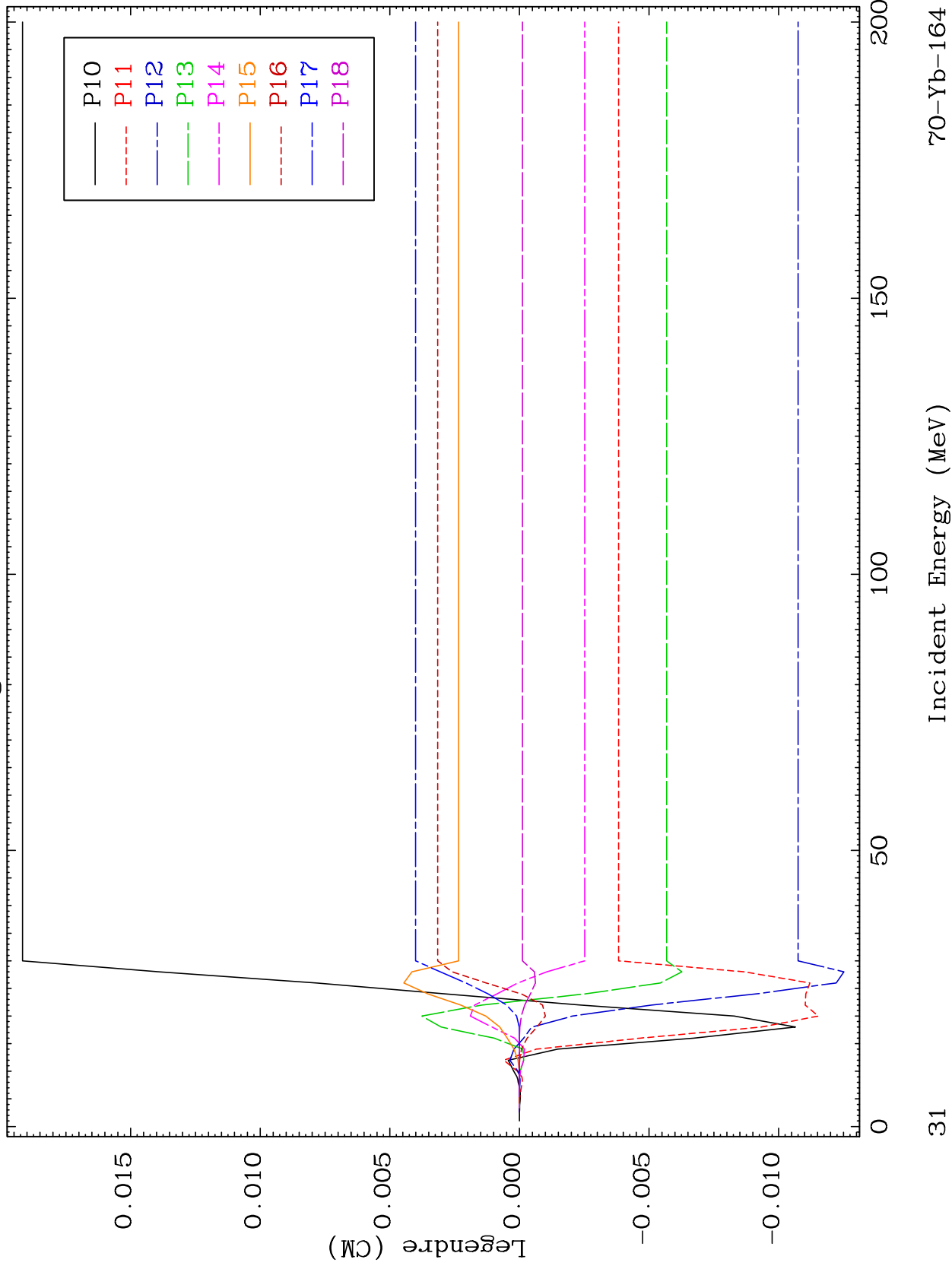
70-Yb-164



MAT 7013

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

70-Yb-164

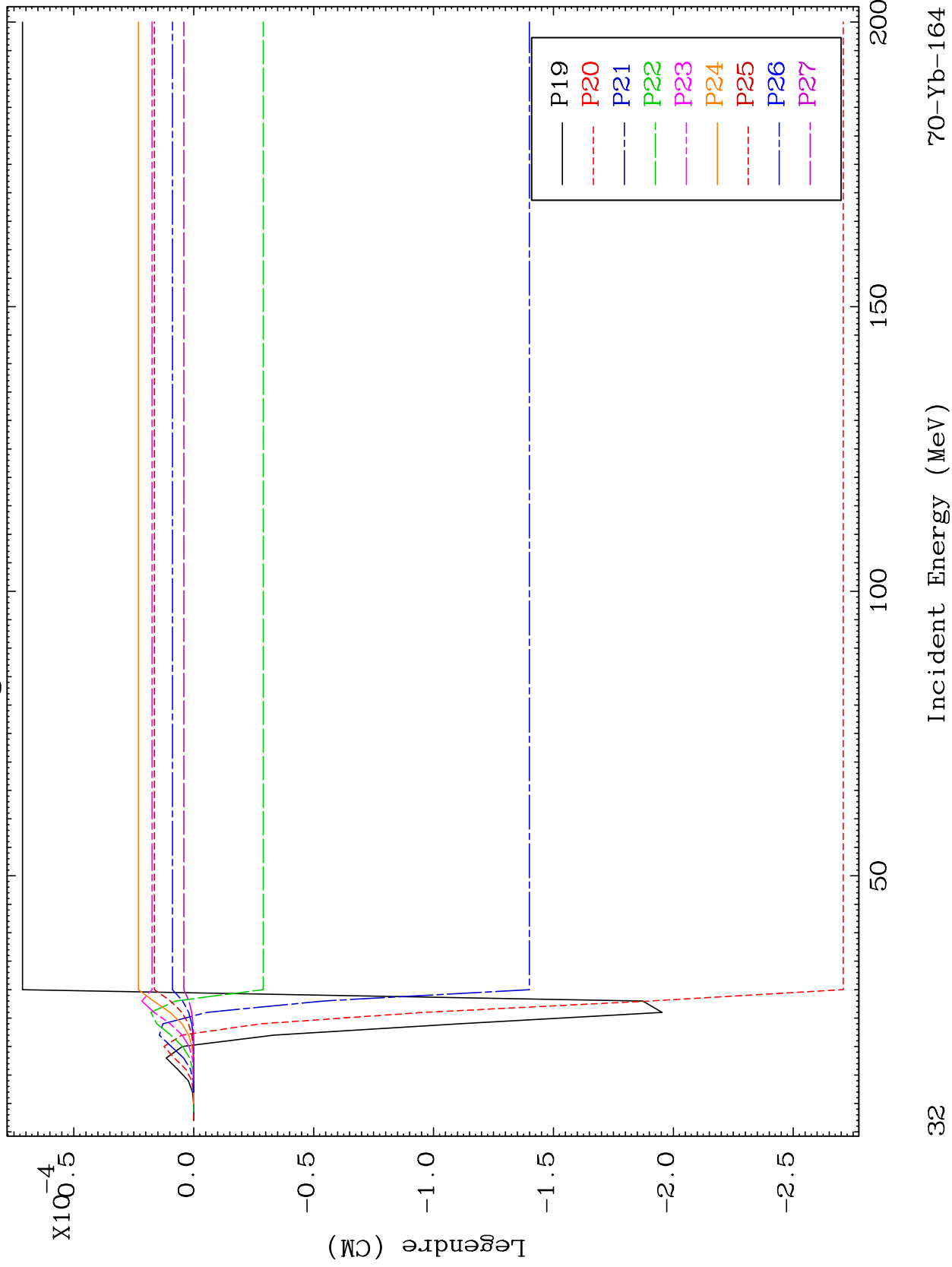




MAT 7013

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

70-Yb-164



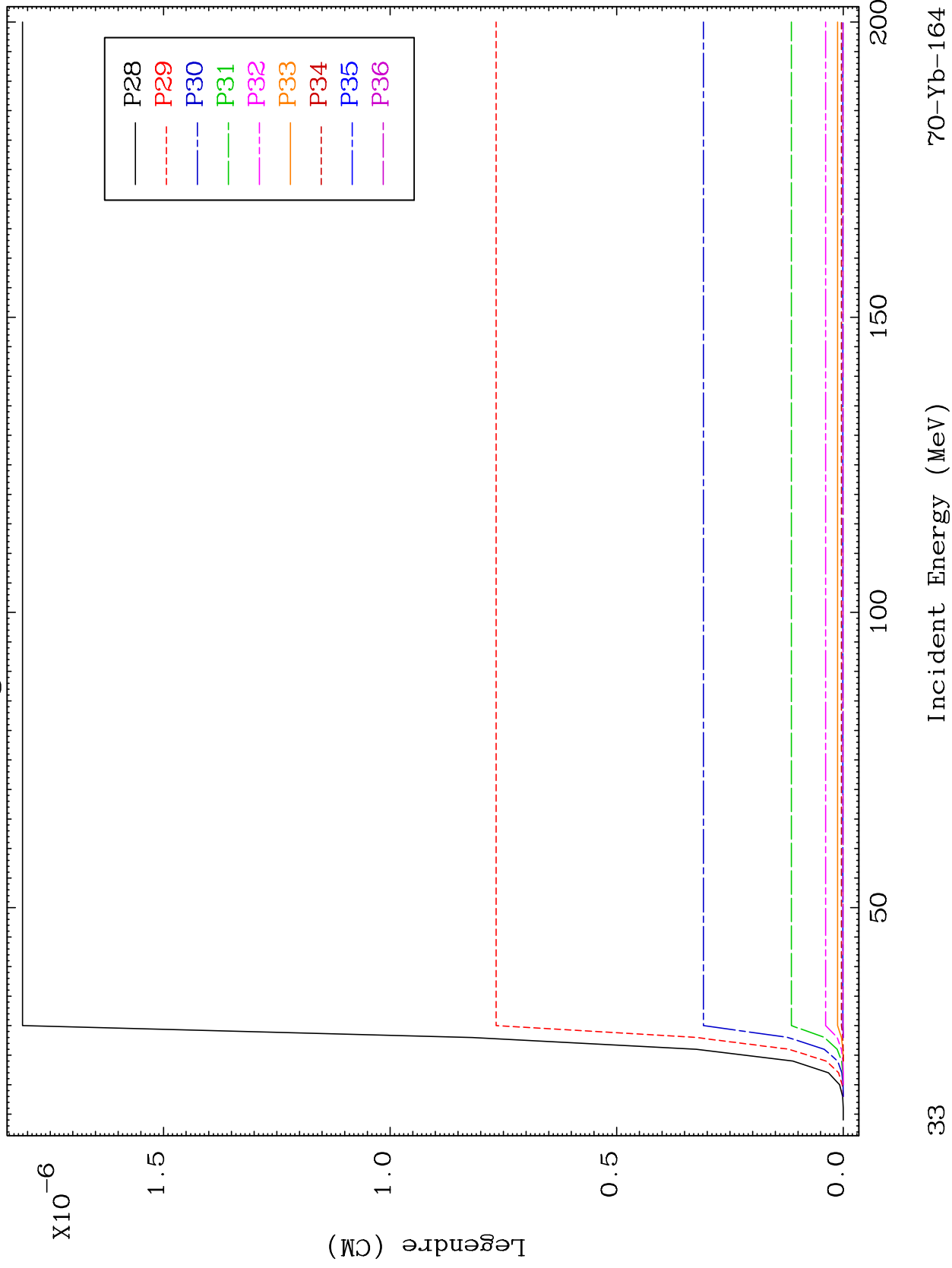
32

70-Yb-164

MAT 7013

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

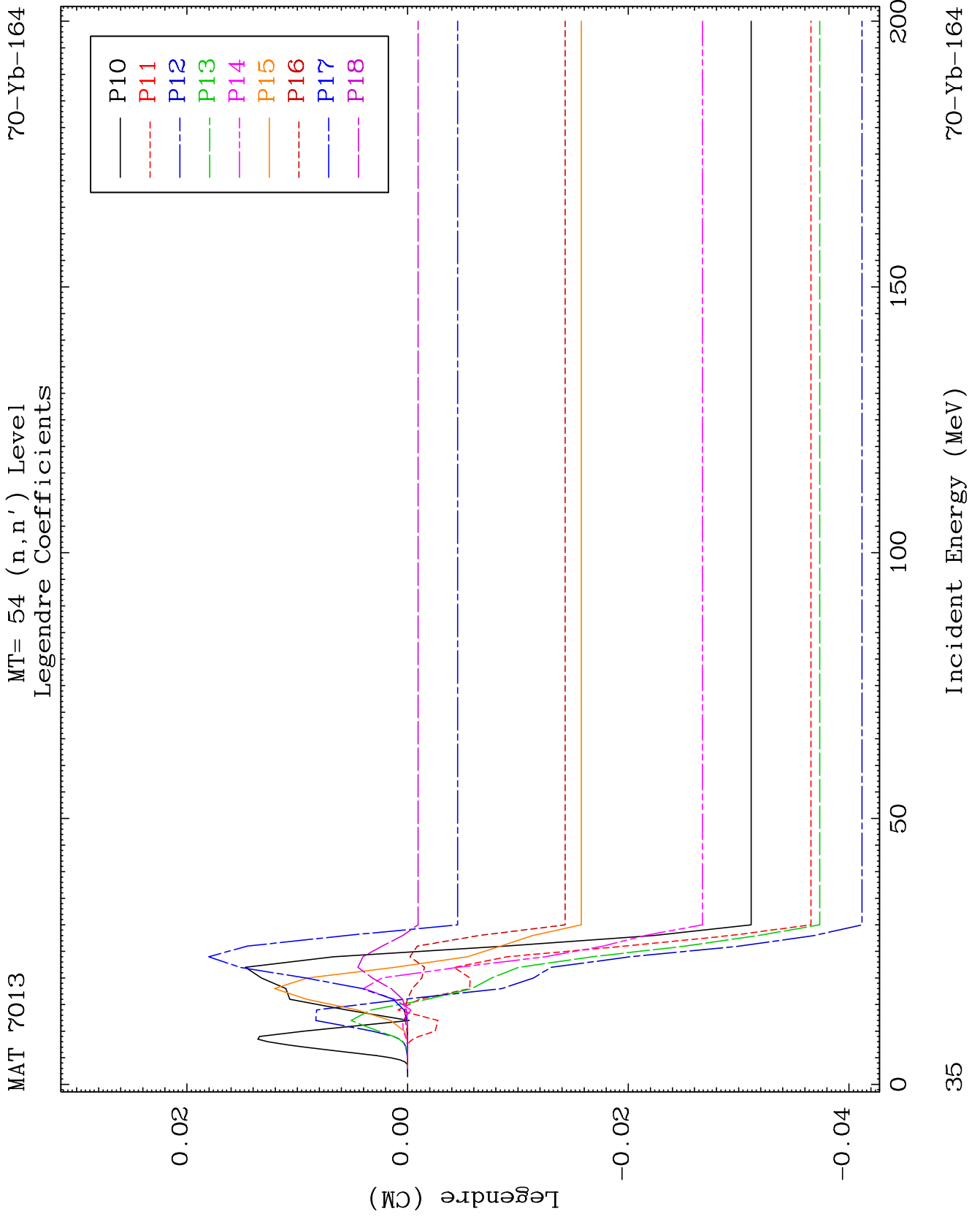
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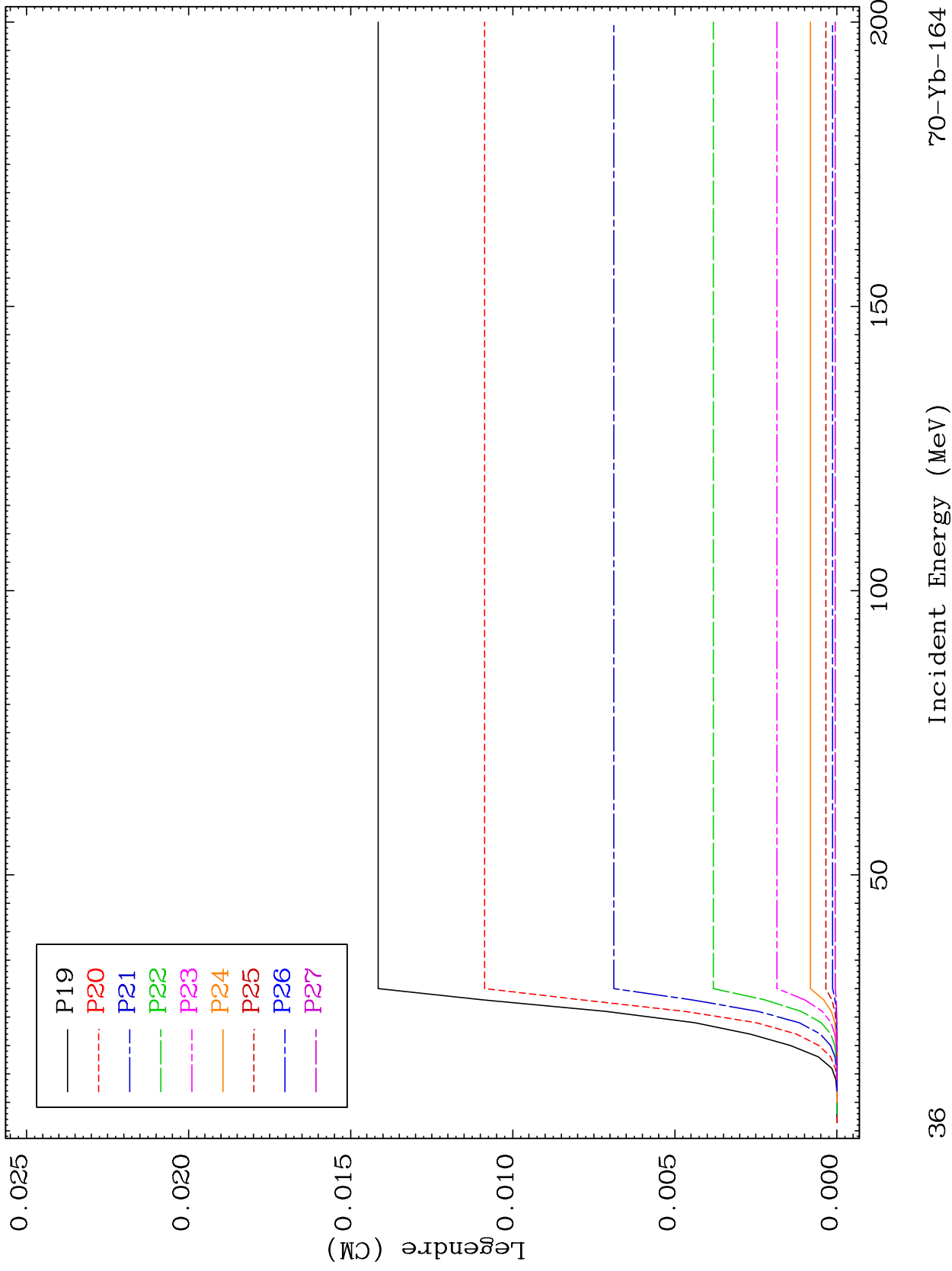


33

70-Yb-164



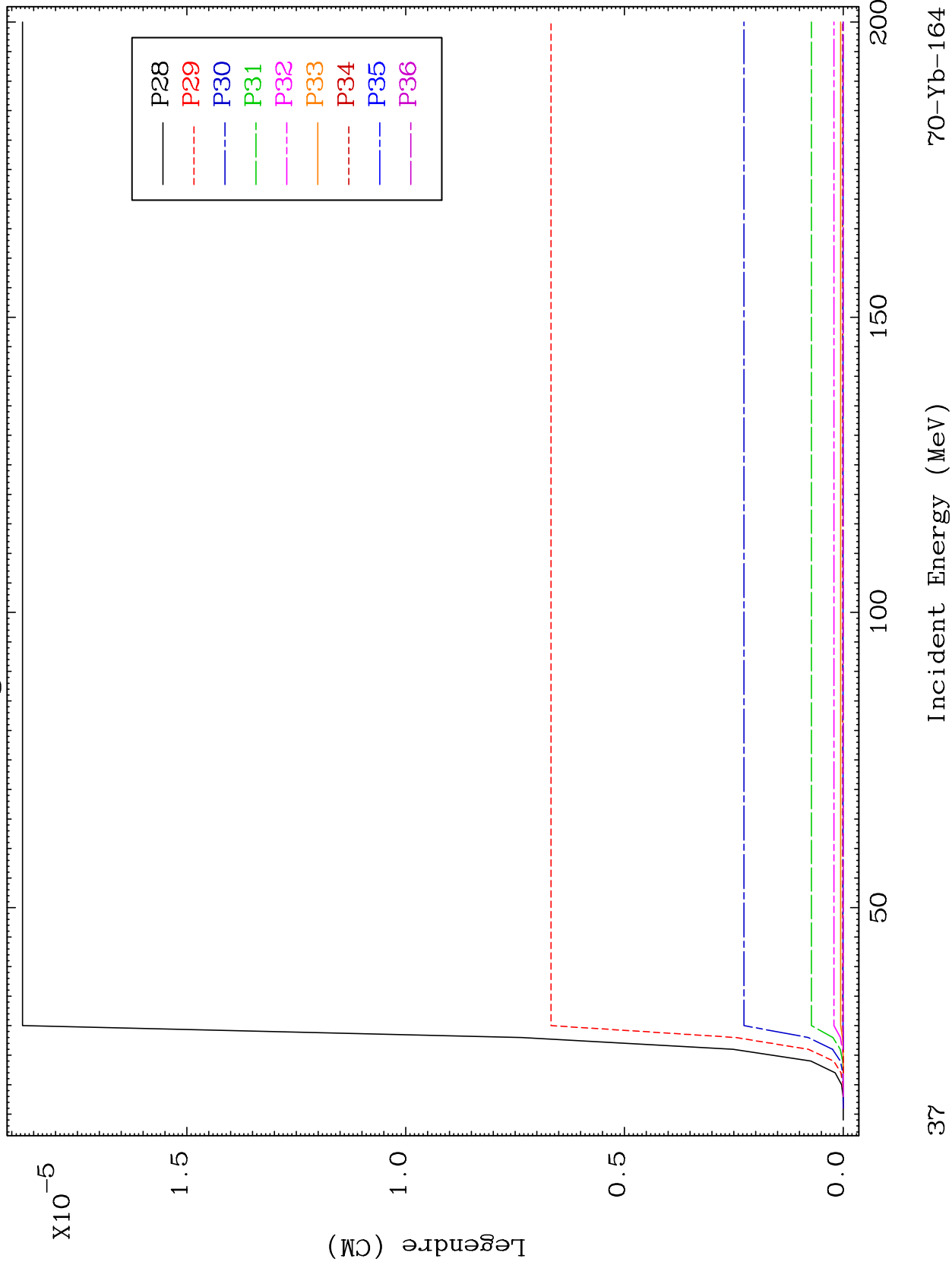


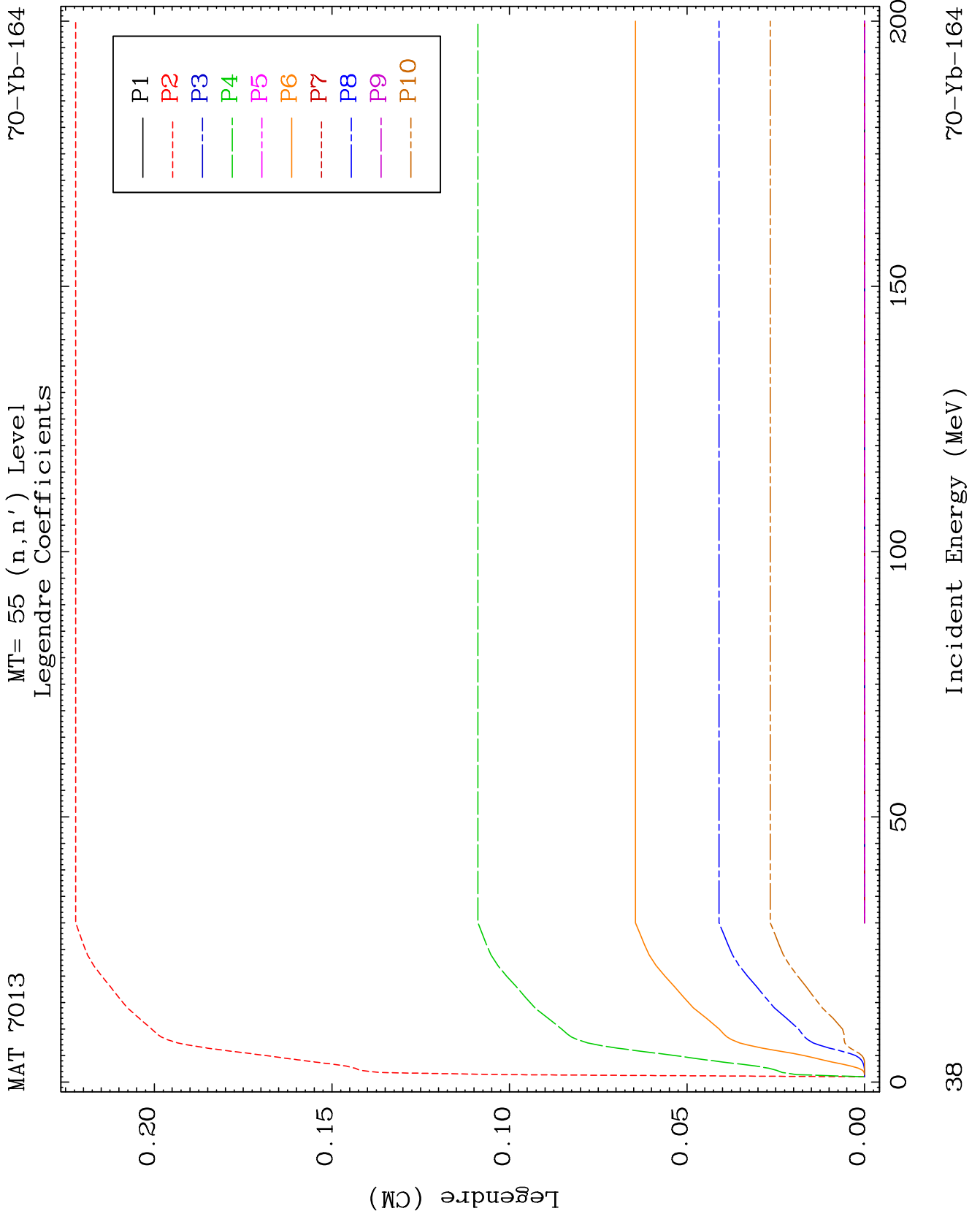


MAT 7013

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

70-Yb-164

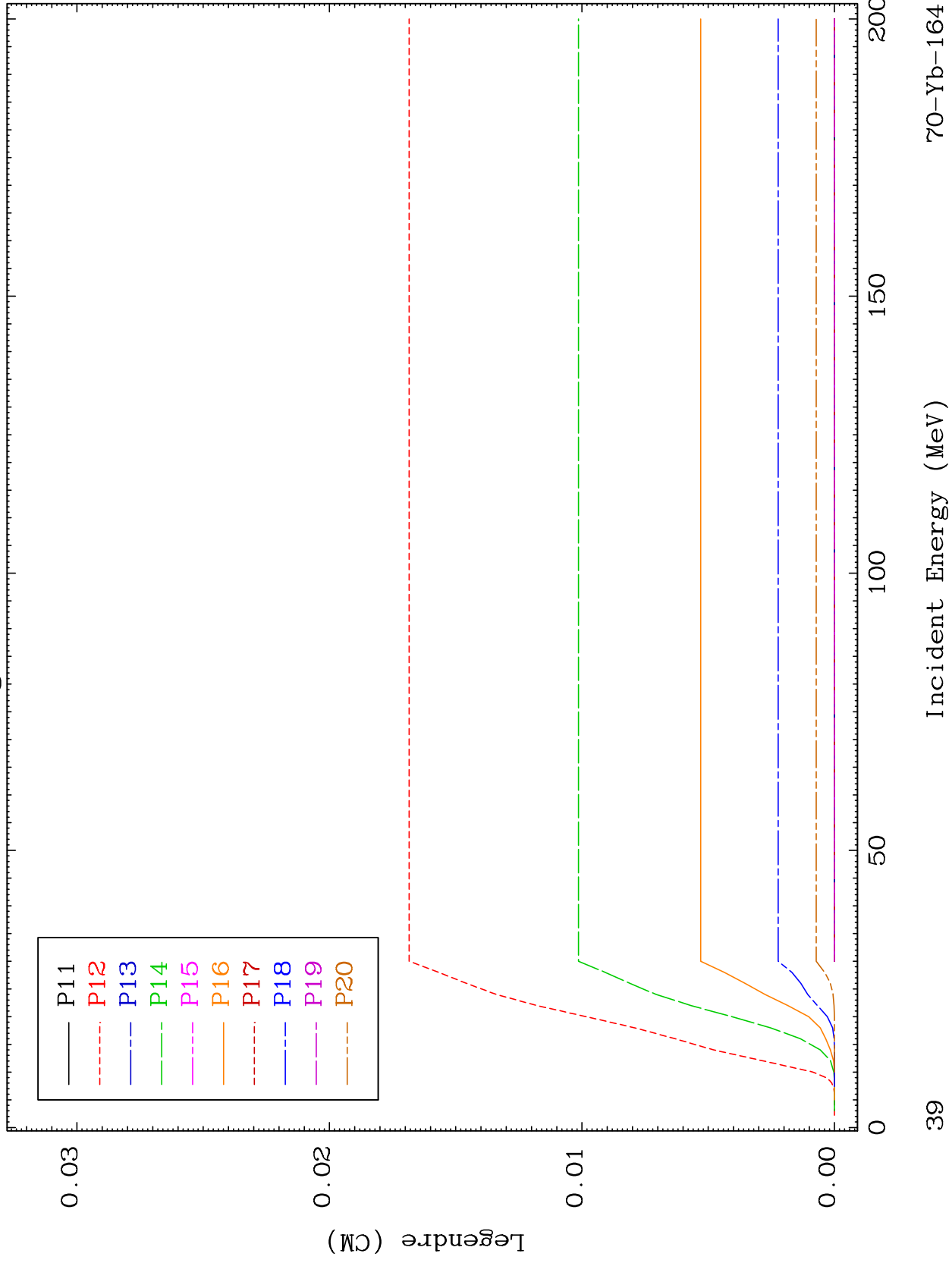




MAT 7013

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

70-Yb-164

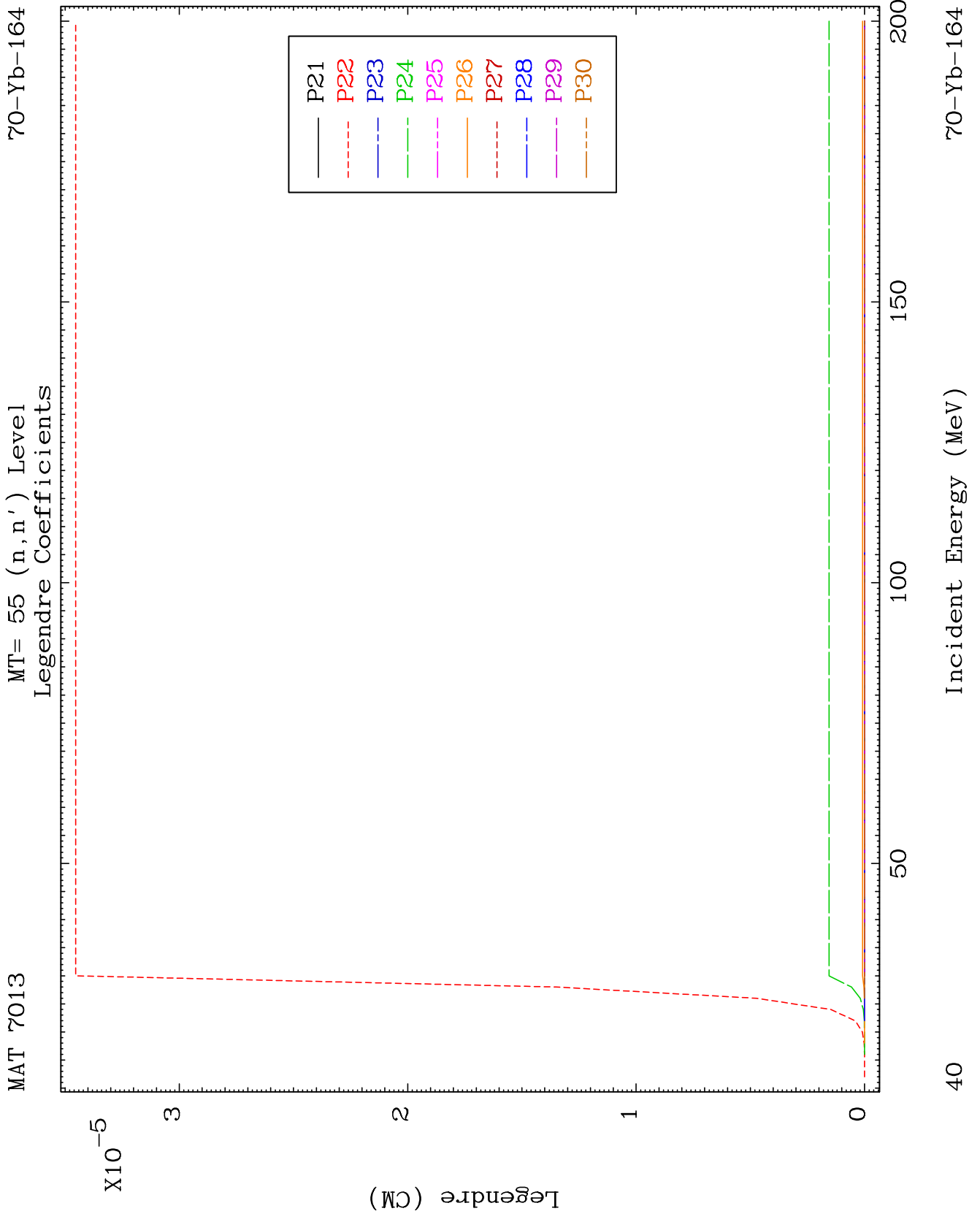


39

Incident Energy (MeV)

70-Yb-164

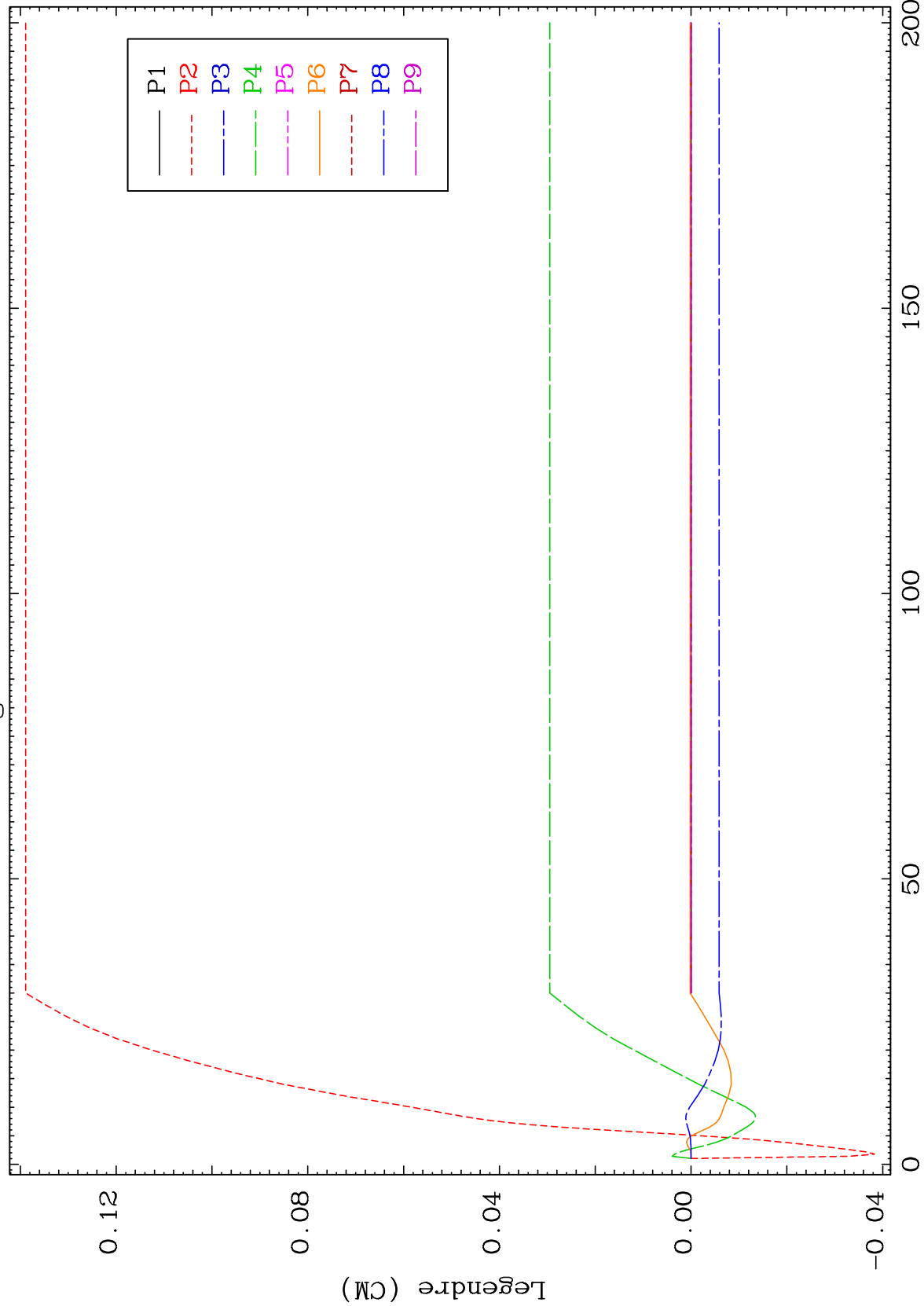




MAT 7013

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

70-Yb-164



70-Yb-164

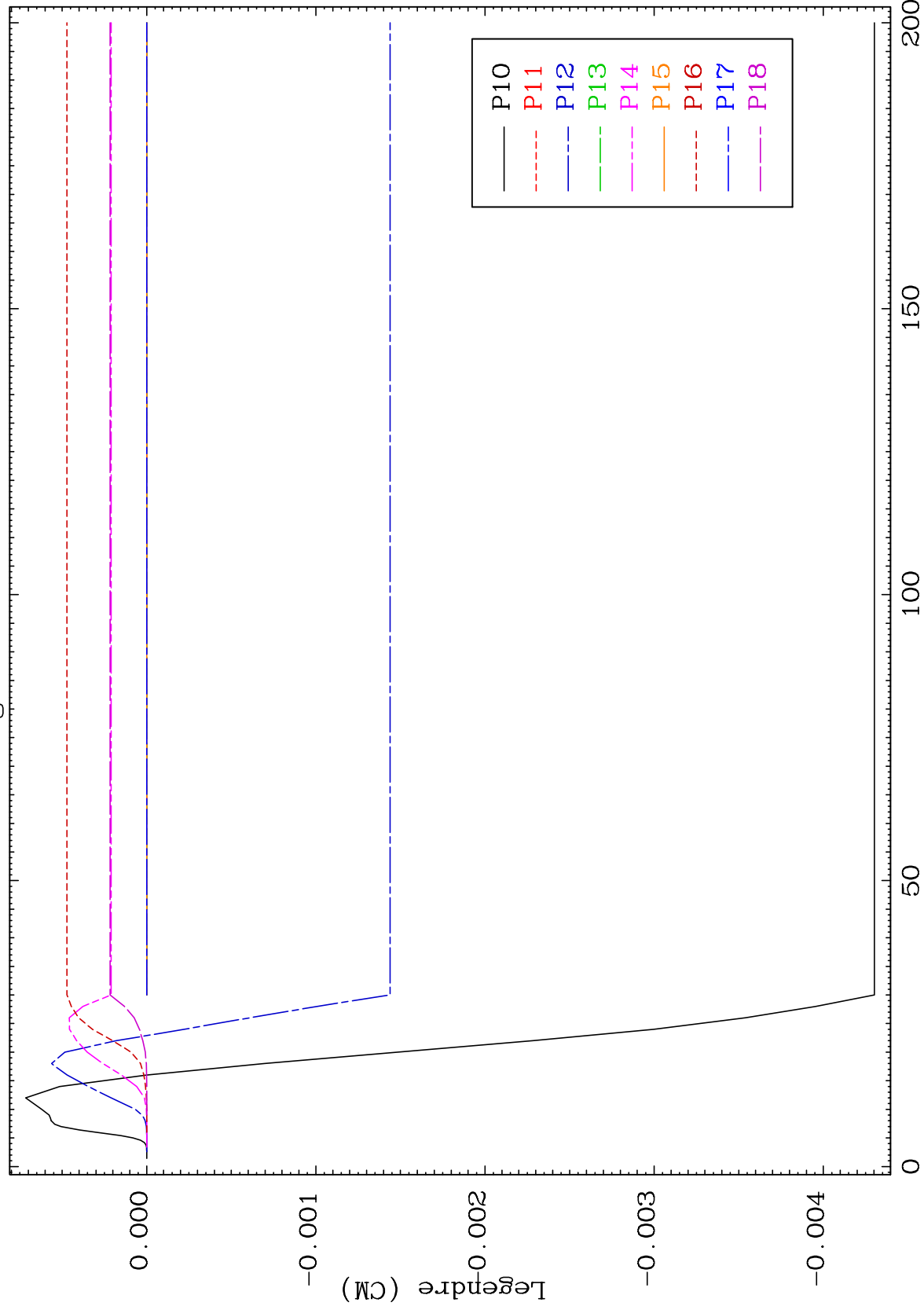
Incident Energy (MeV)

41

MAT 7013

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

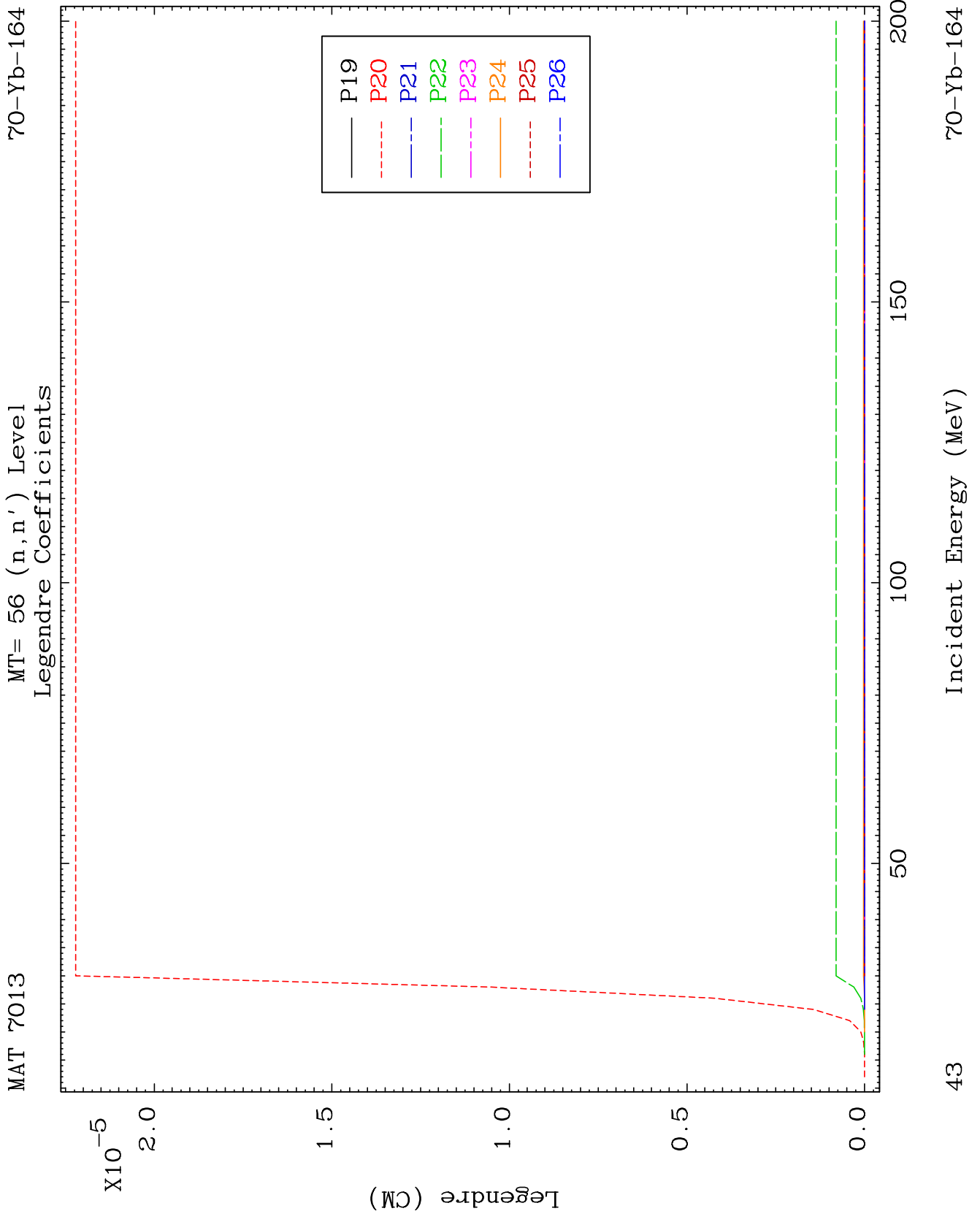
70-Yb-164



42

Incident Energy (MeV)

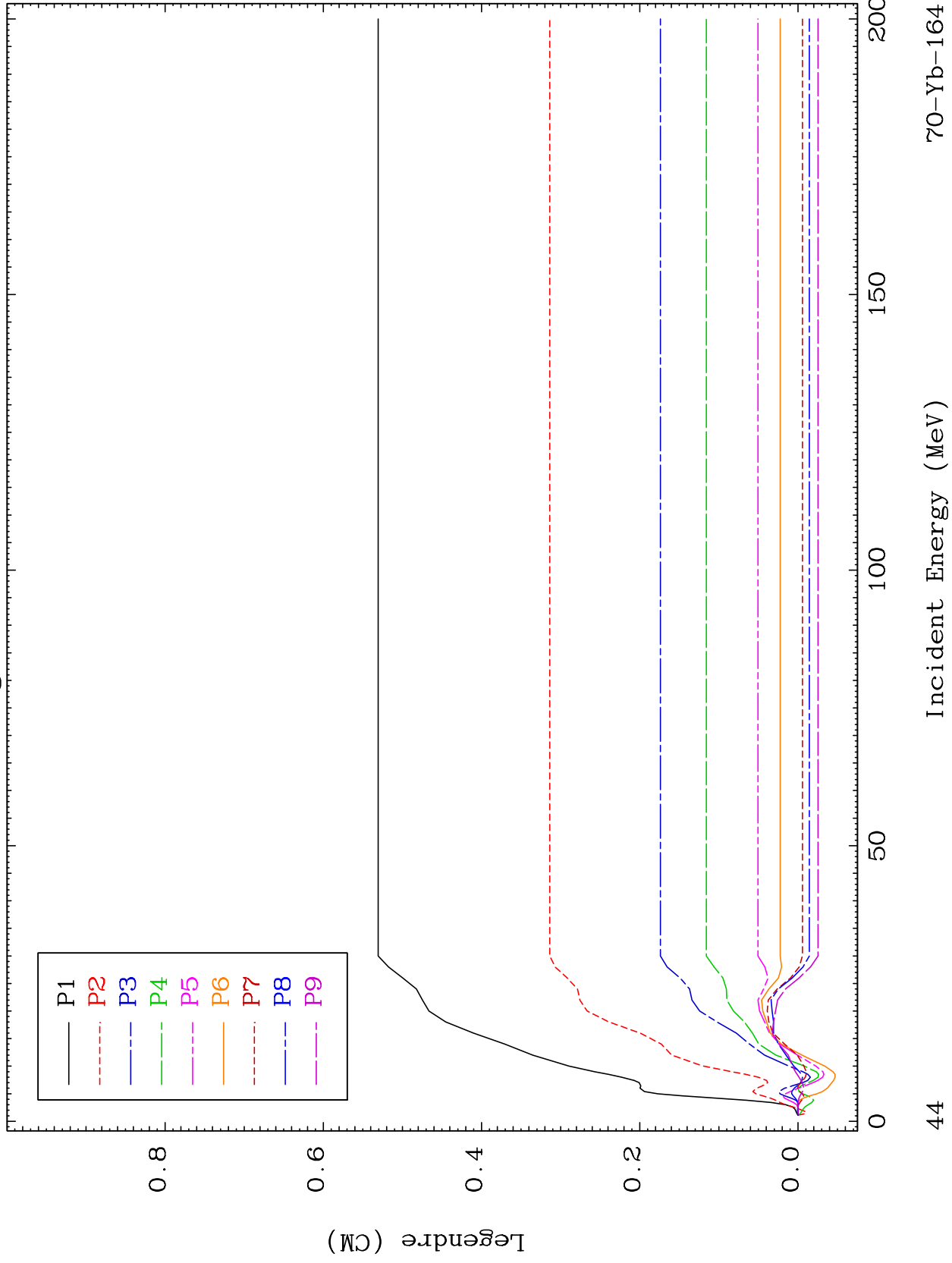
70-Yb-164



MAT 7013

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

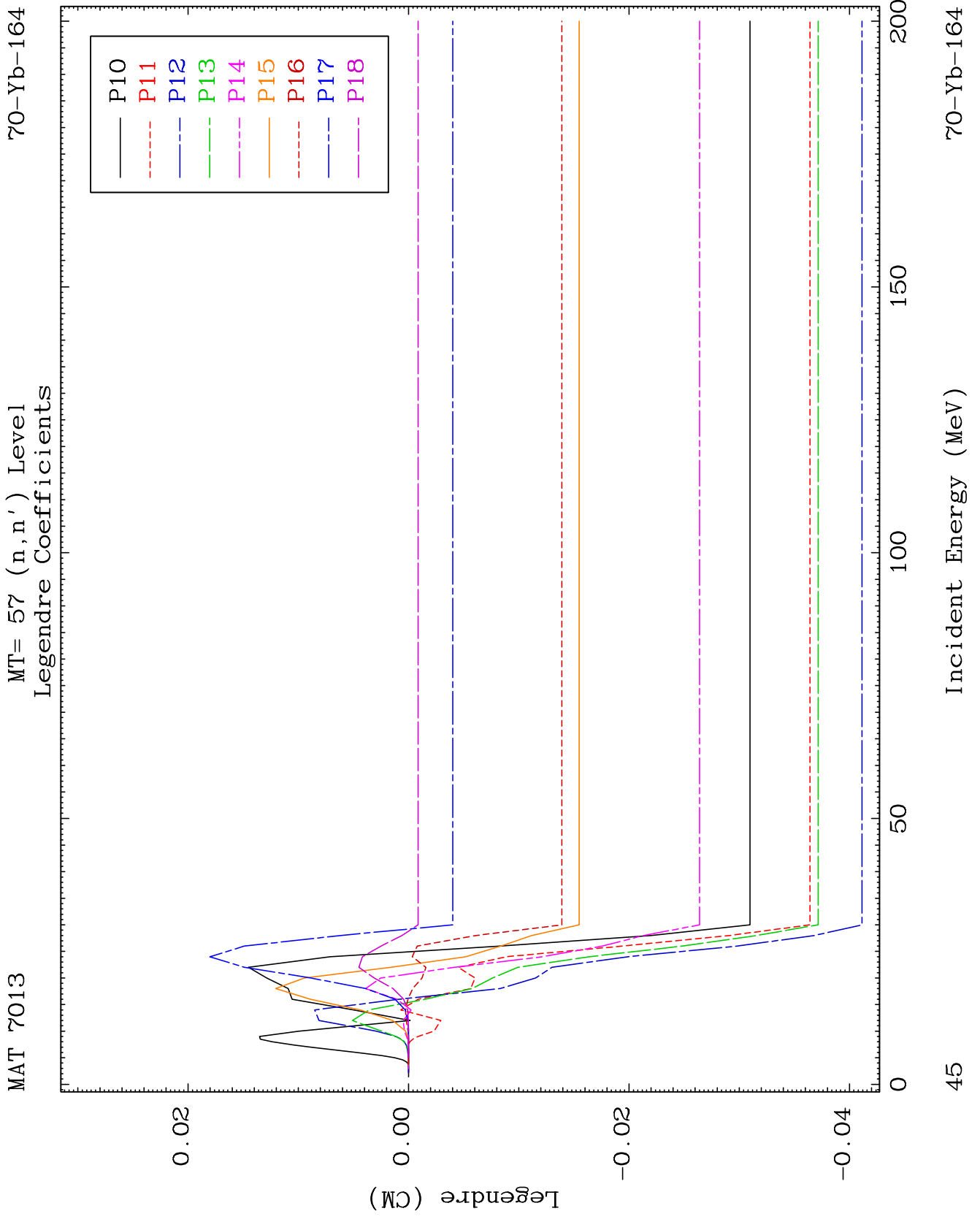
70-Yb-164



44

Incident Energy (MeV)

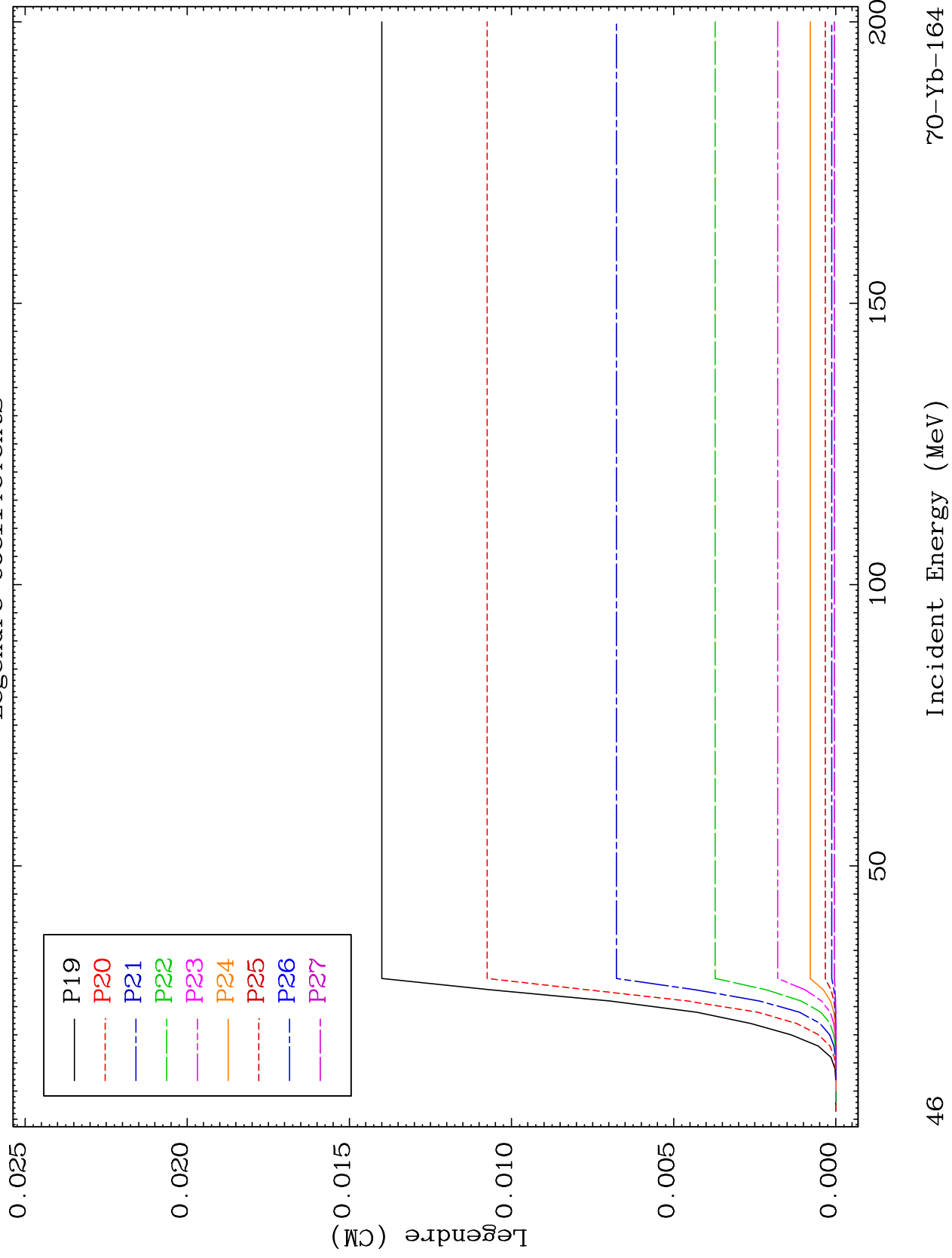
70-Yb-164



MAT 7013

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

70-Yb-164



46

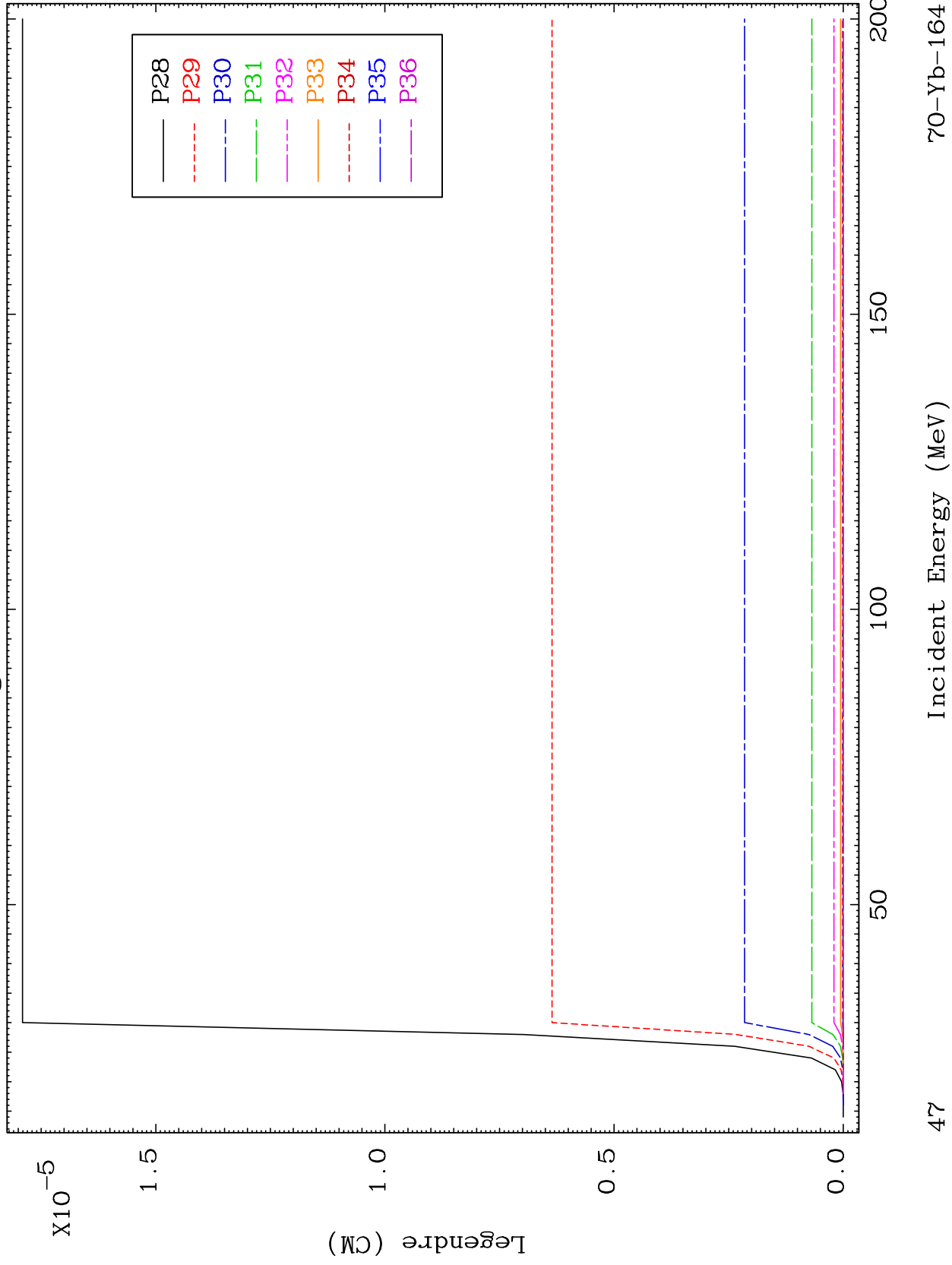
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



47

Incident Energy (MeV)

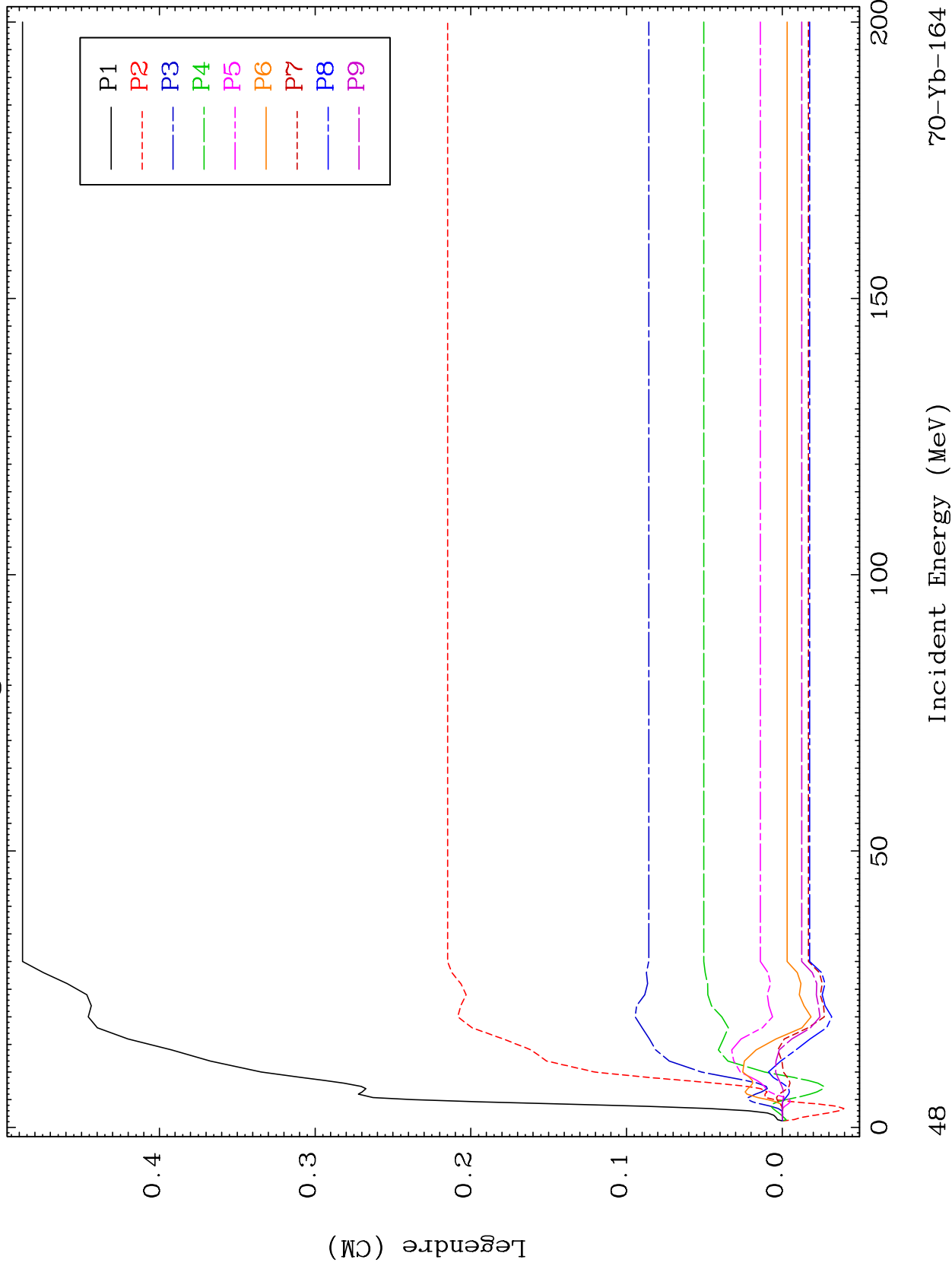
70-Yb-164



MAT 7013

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

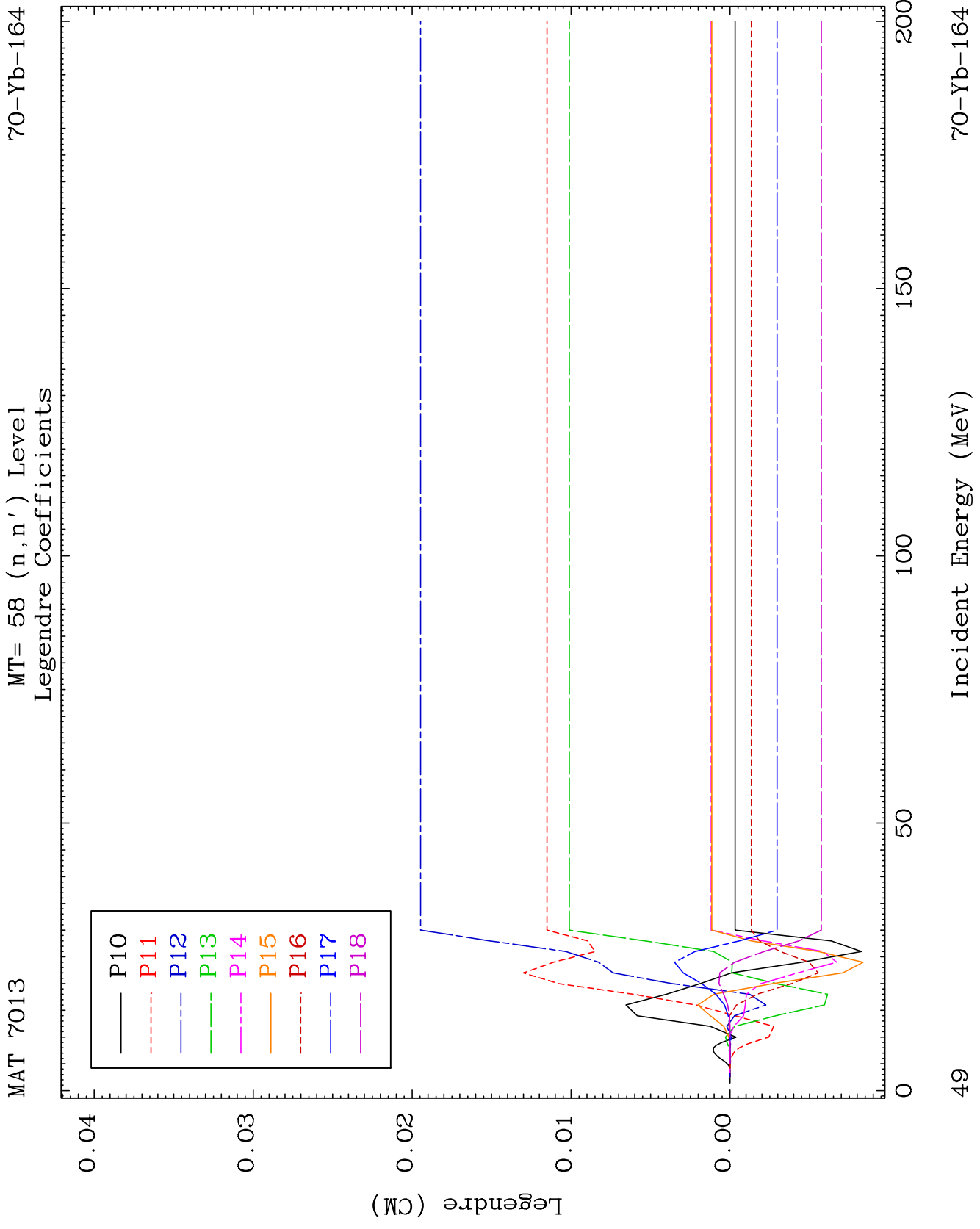
70-Yb-164



70-Yb-164

Incident Energy (MeV)

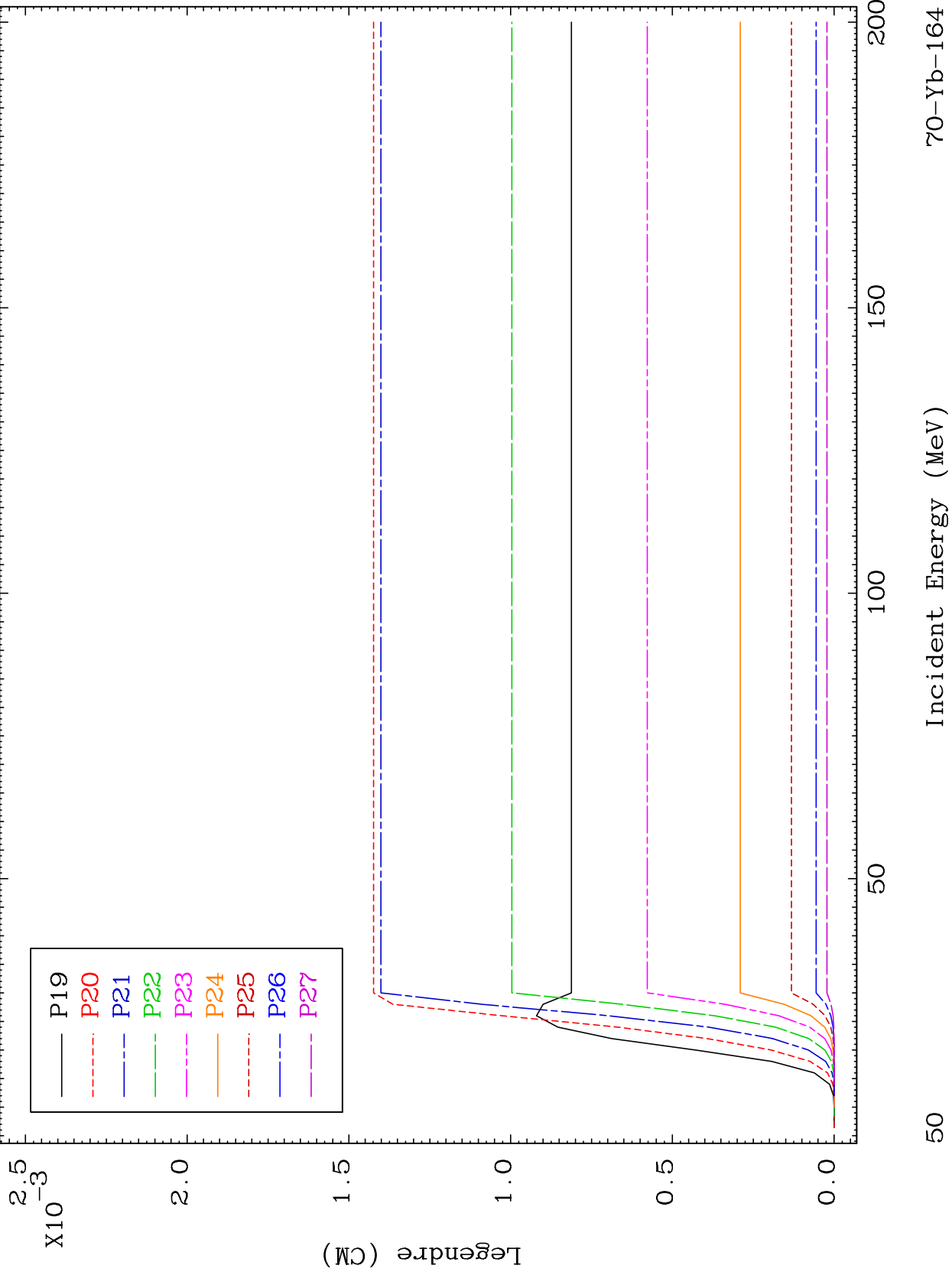
48



MAT 7013

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

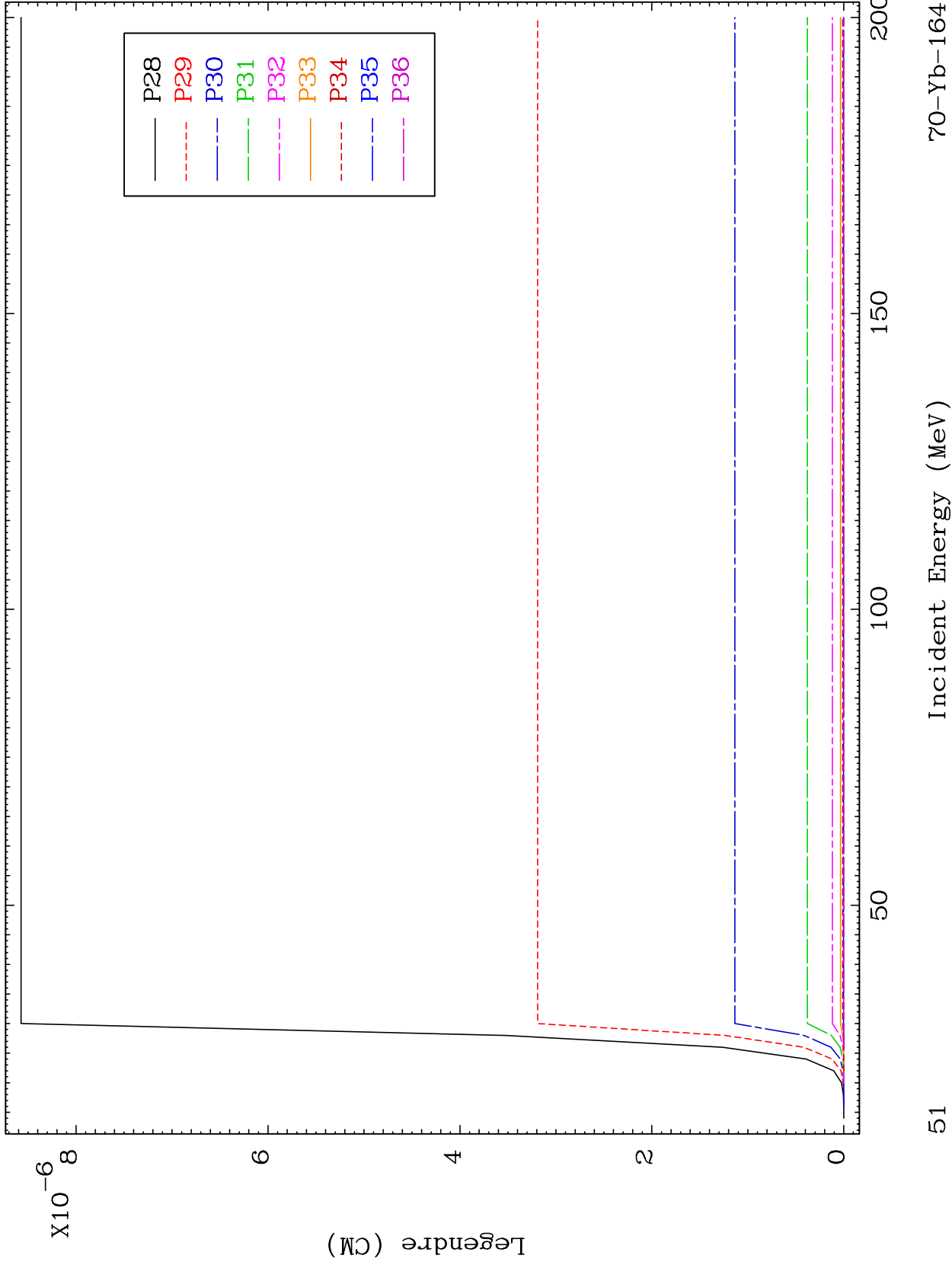
70-Yb-164



MAT 7013

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

70-Yb-164



51

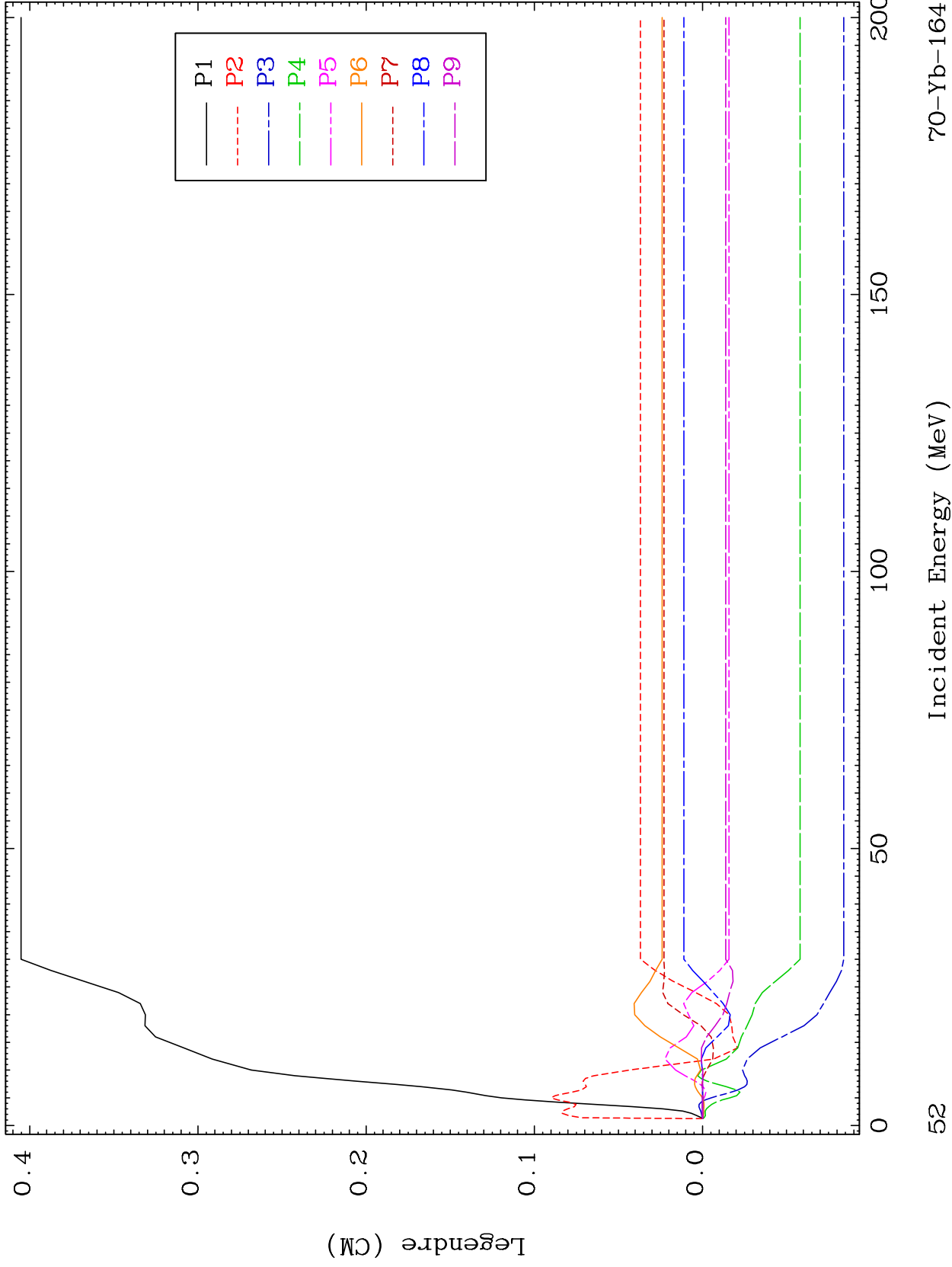
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



70-Yb-164

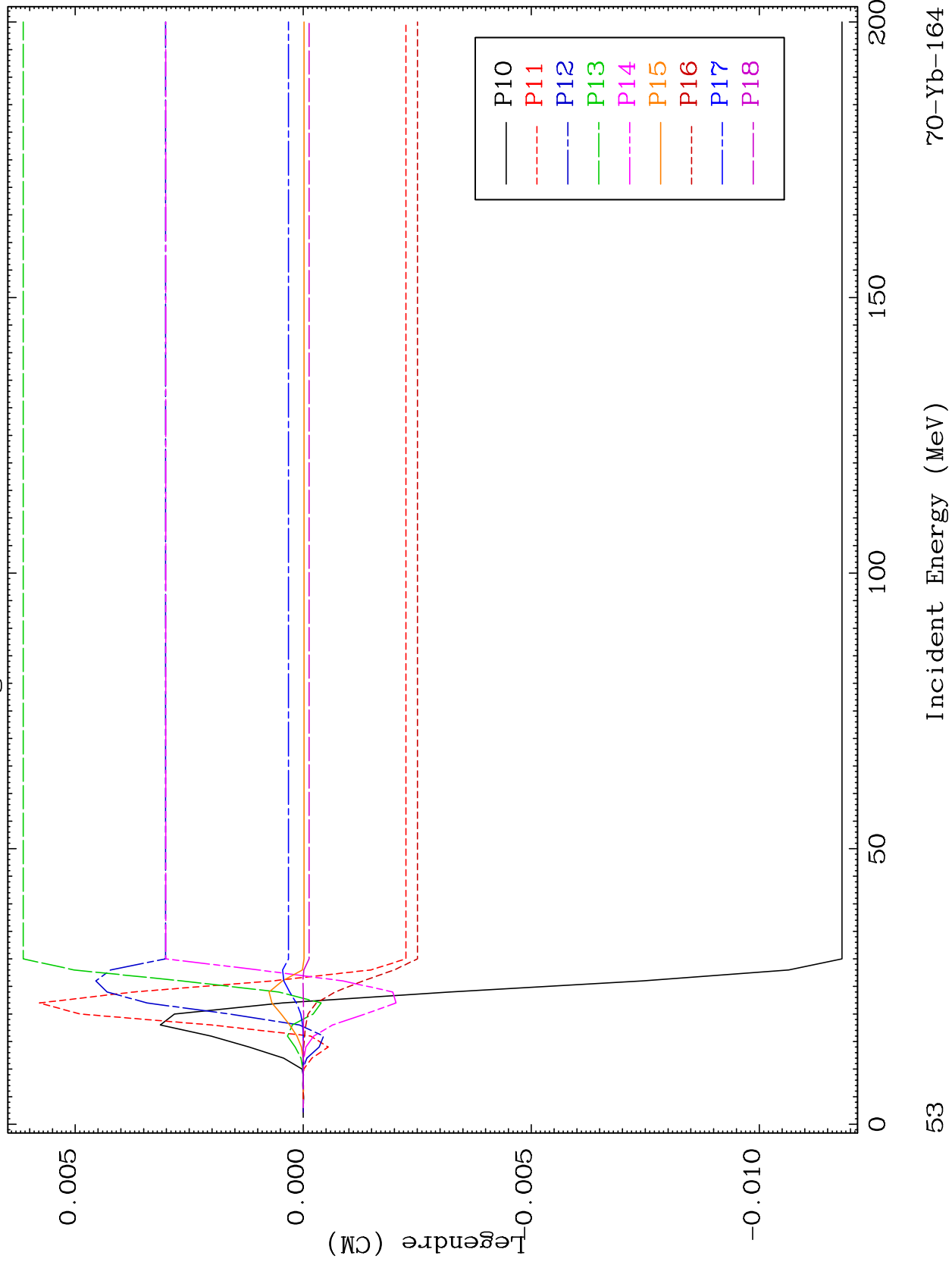
Incident Energy (MeV)

52

MAT 7013

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

70-Yb-164



53

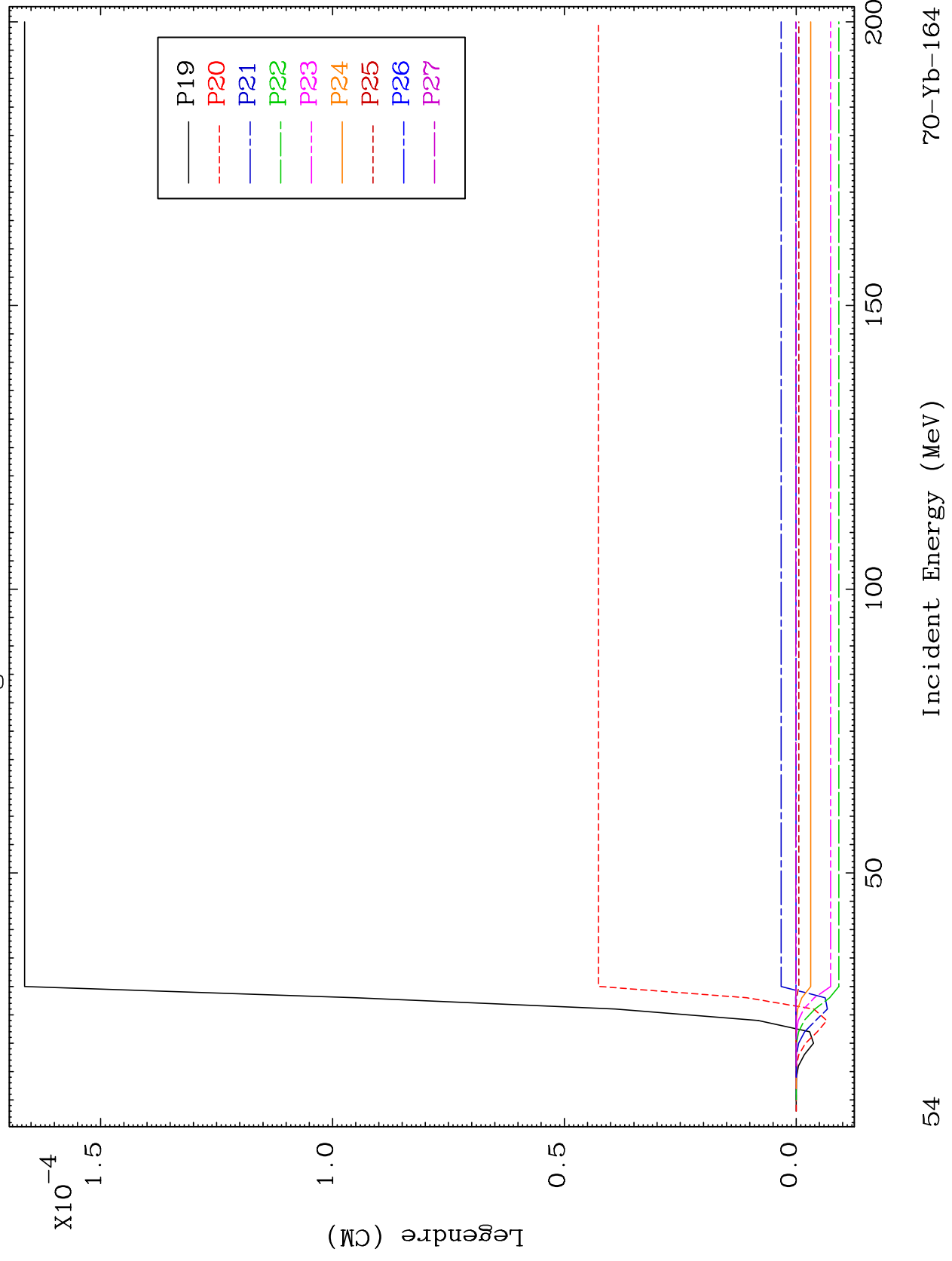
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



70-Yb-164

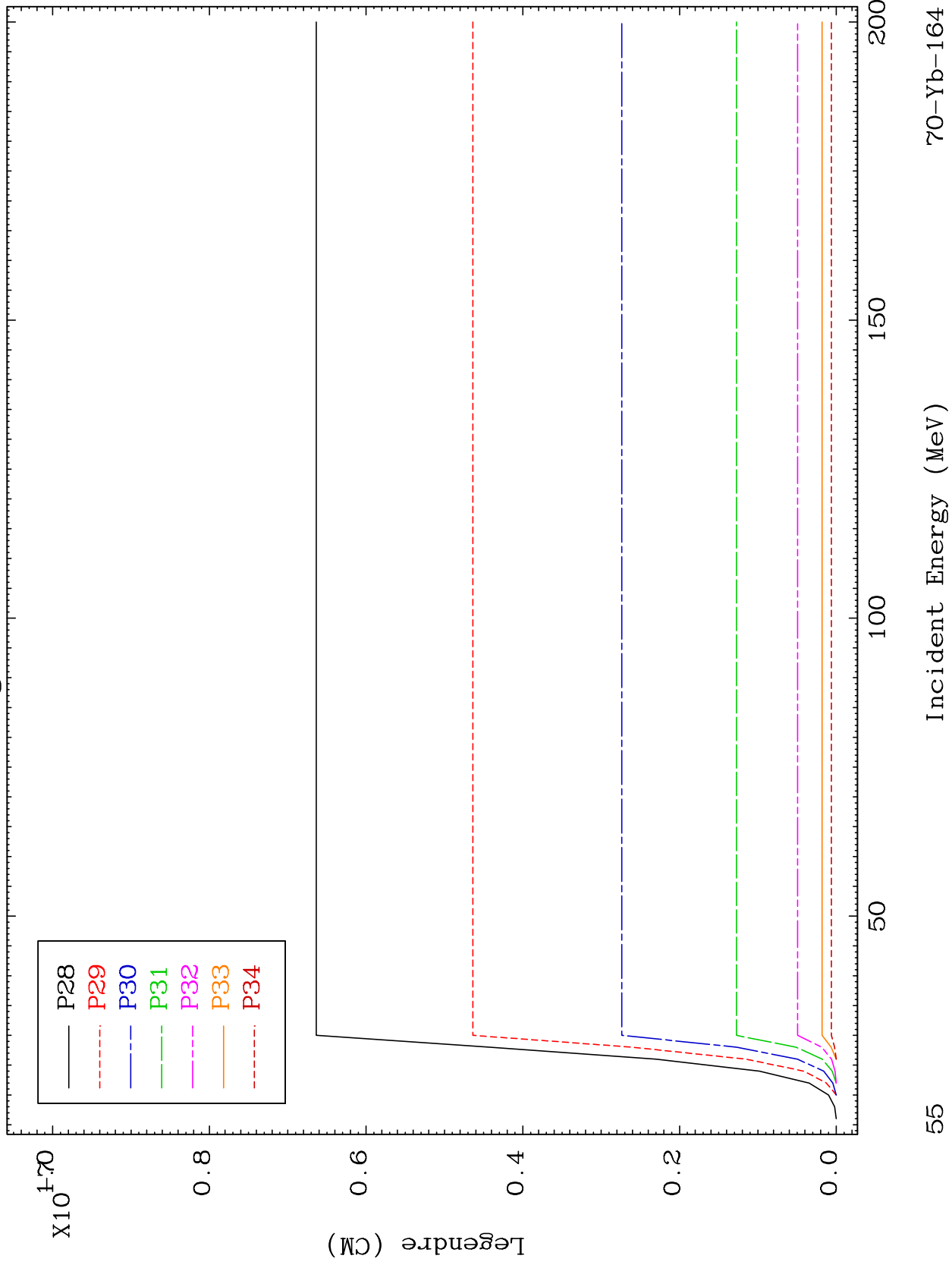
Incident Energy (MeV)

54

MAT 7013

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

70-Yb-164

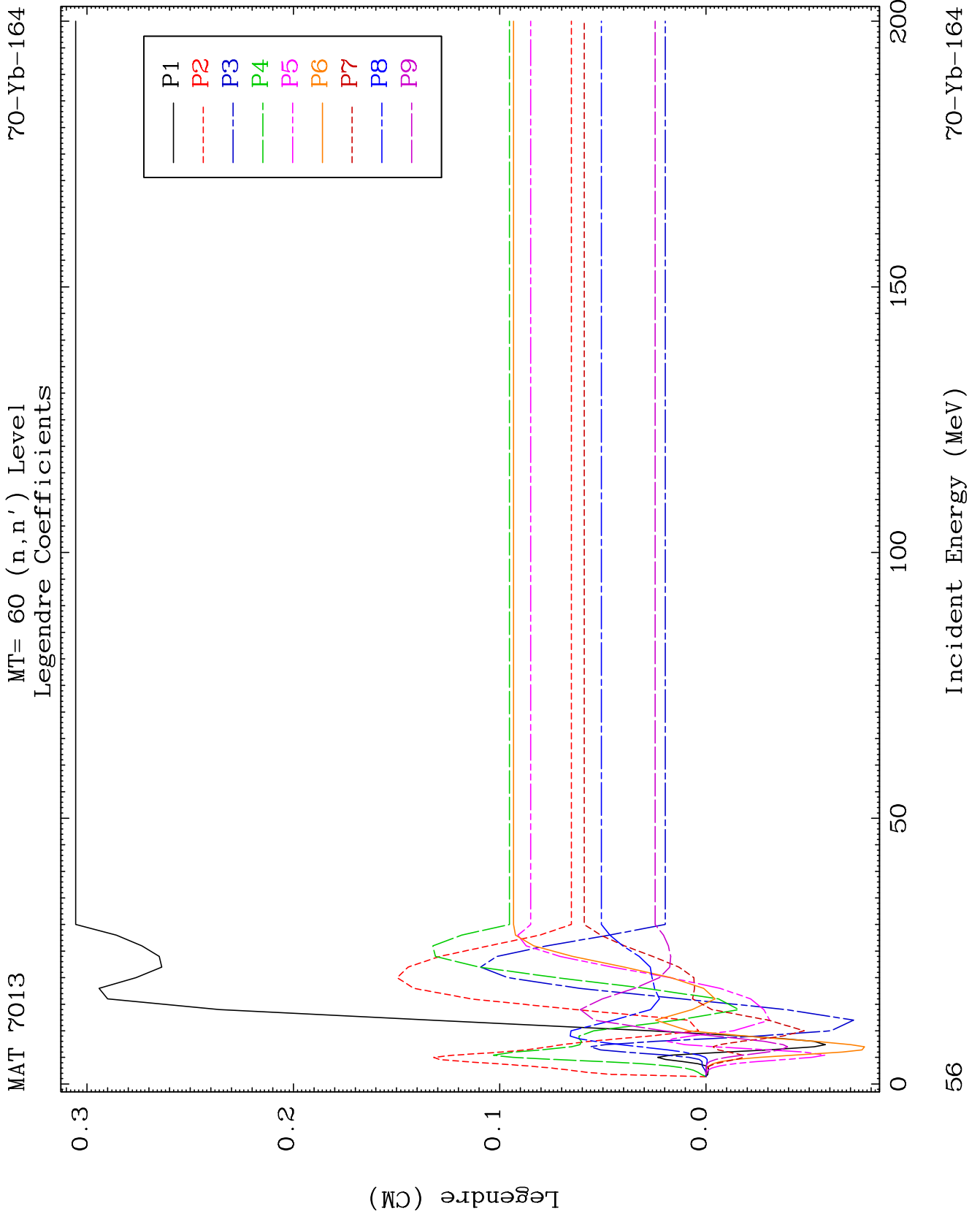


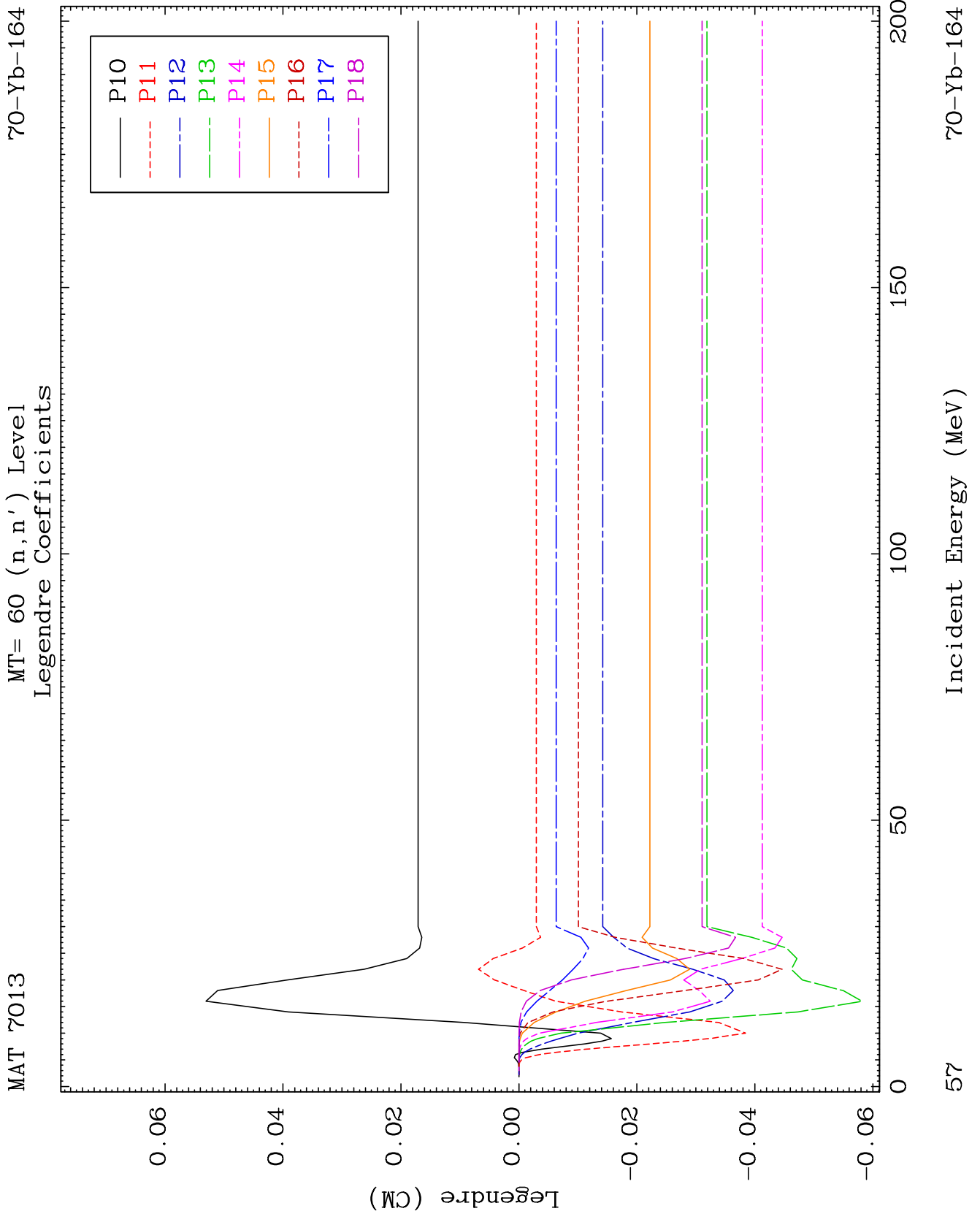
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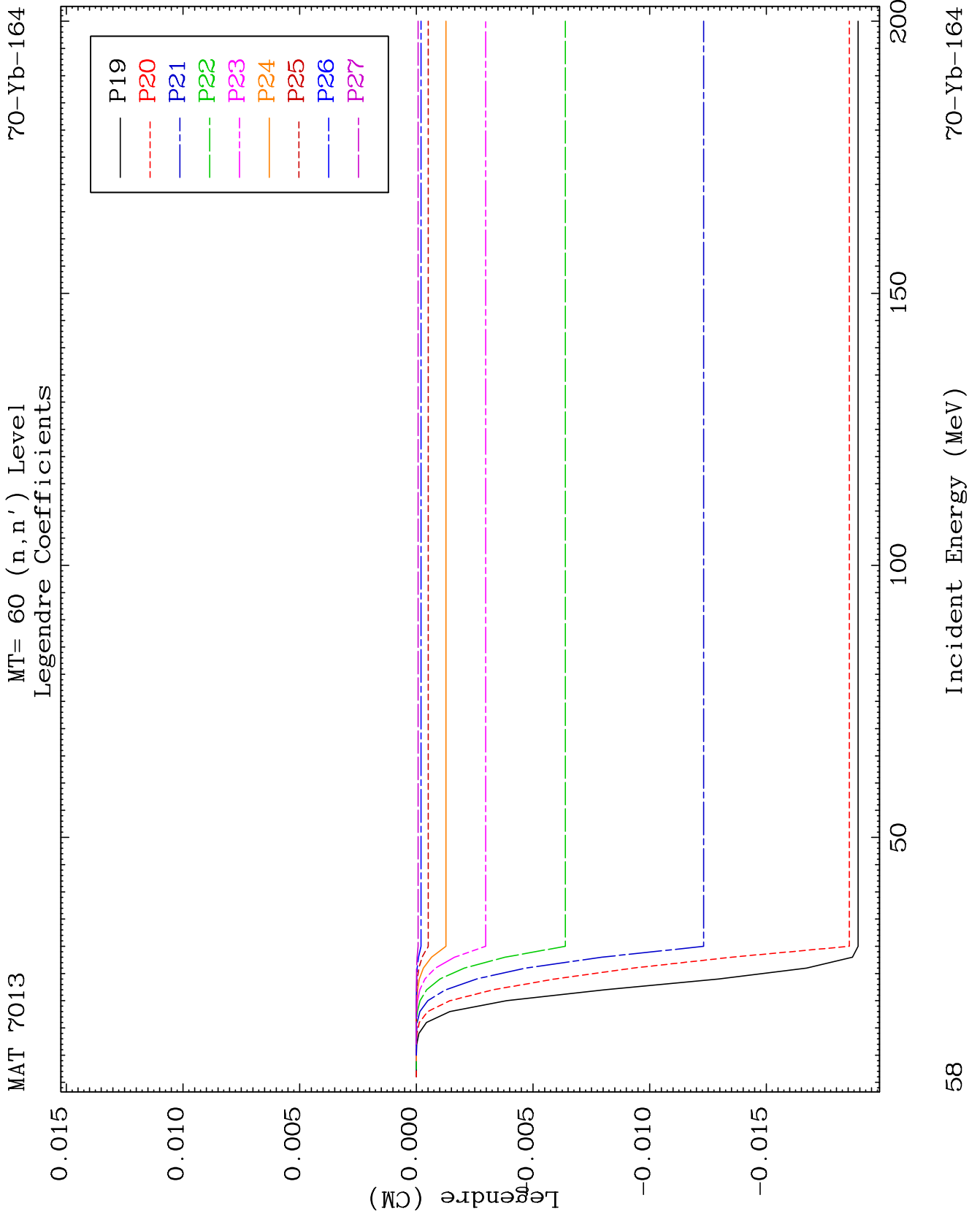
Incident Energy (MeV)

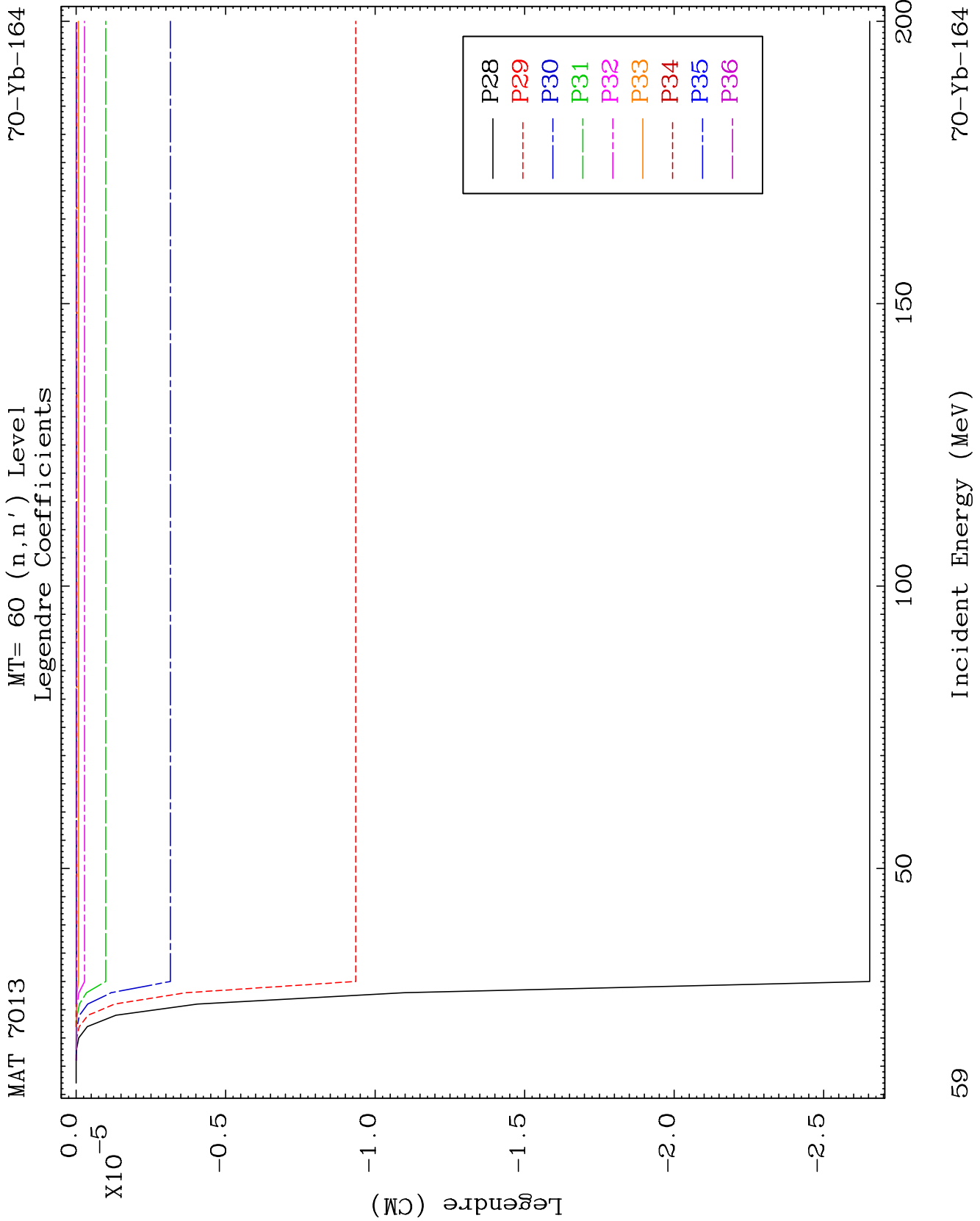
70-Yb-164

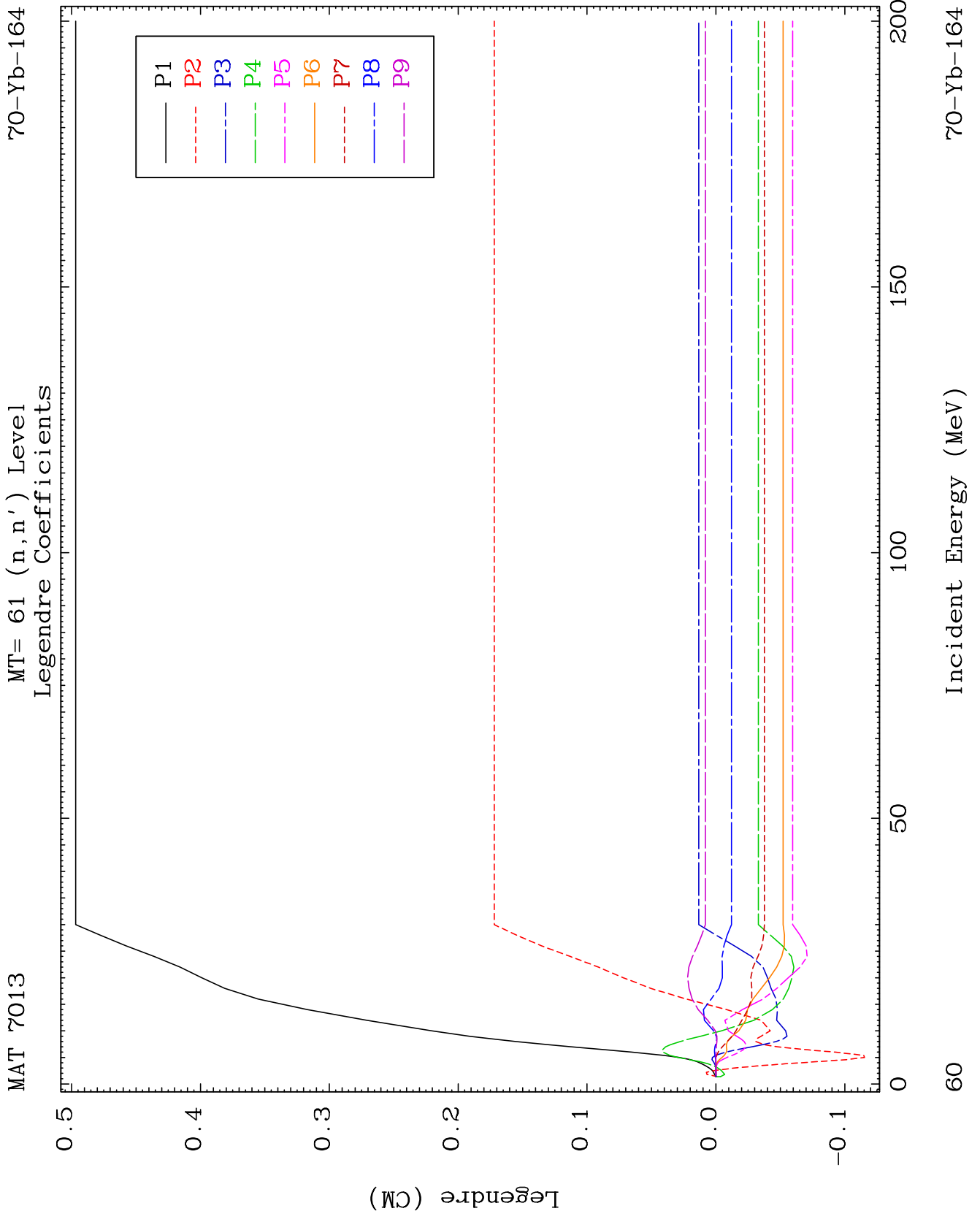








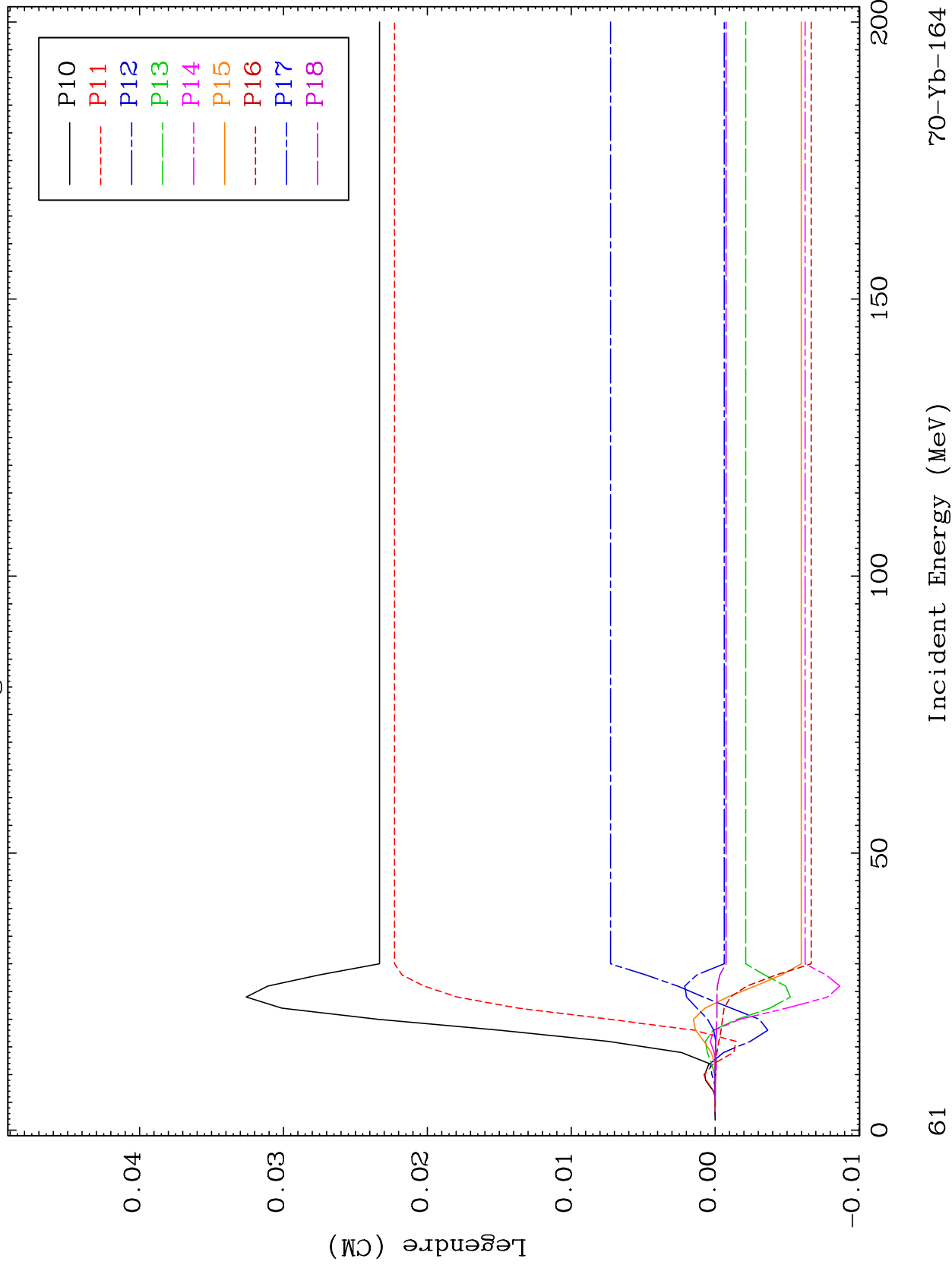




MAT 7013

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

70-Yb-164



61

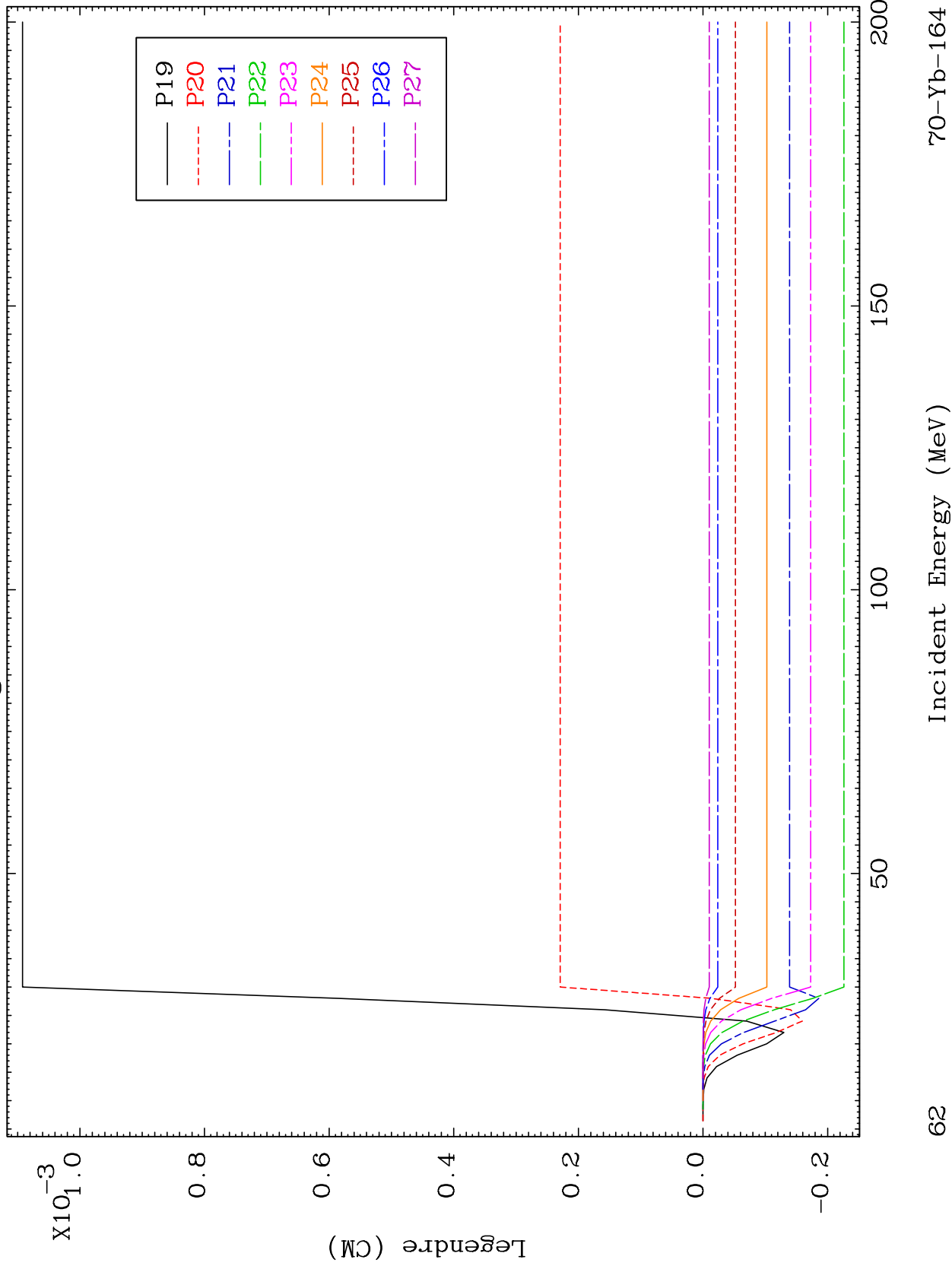
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

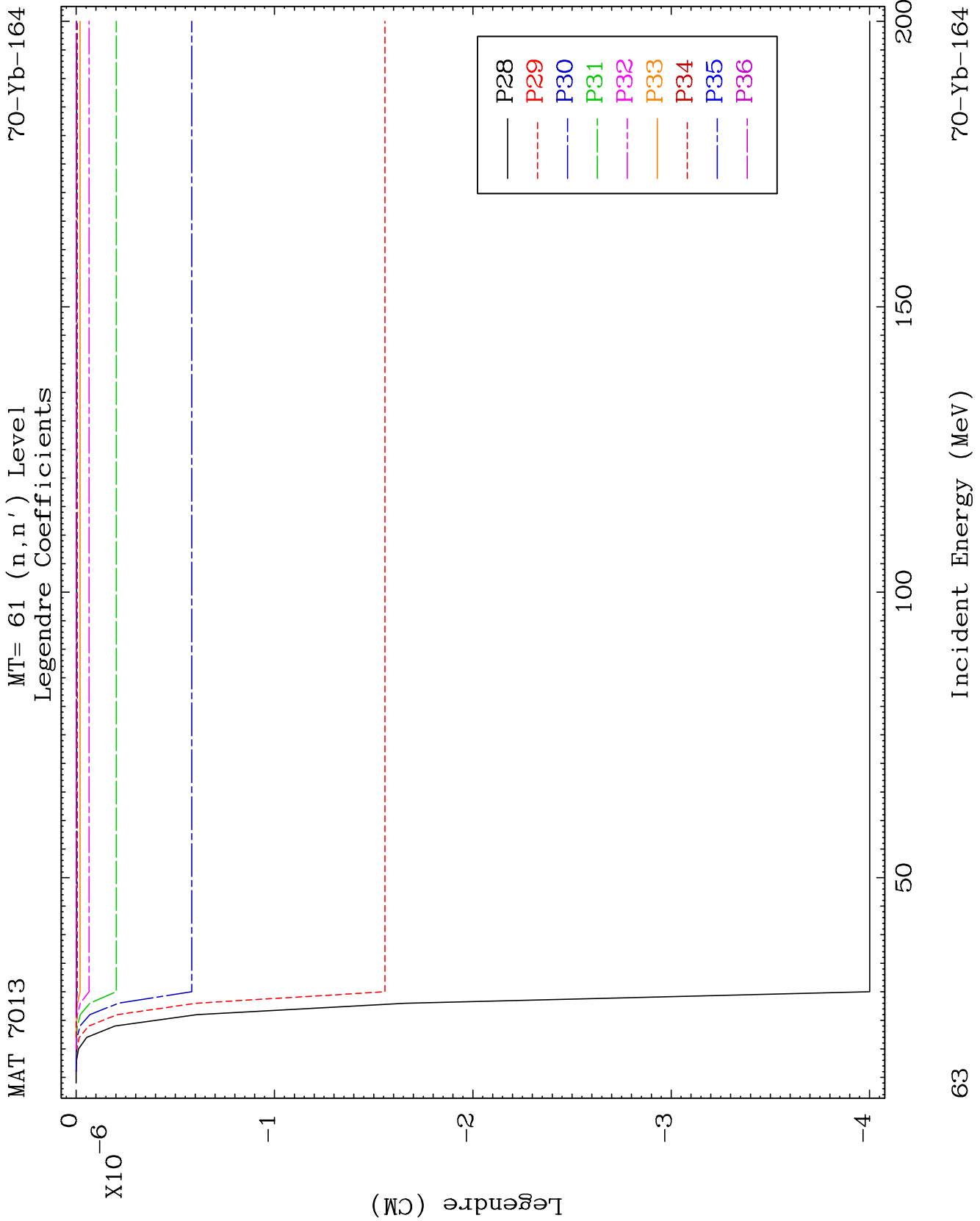
70-Yb-164



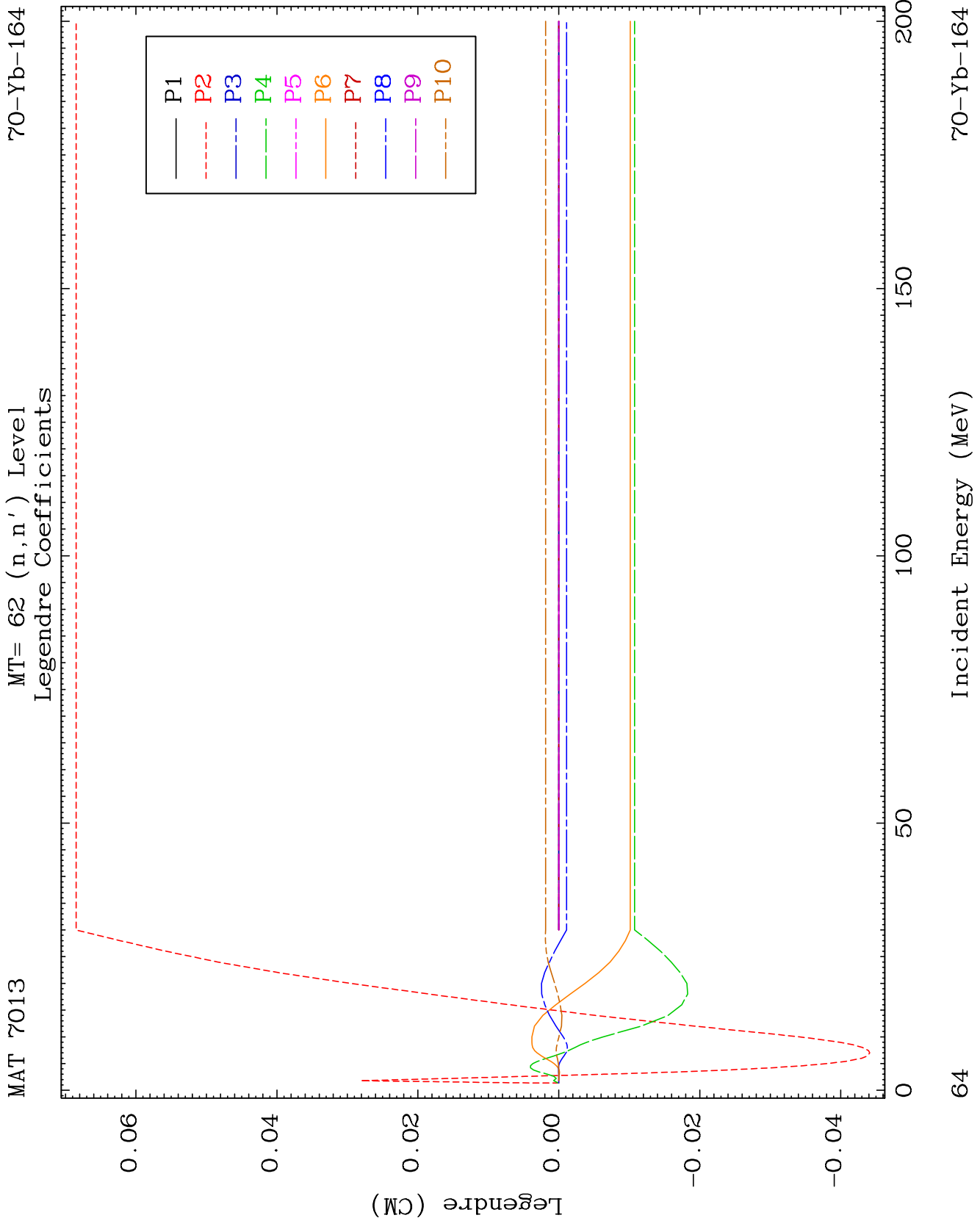
62

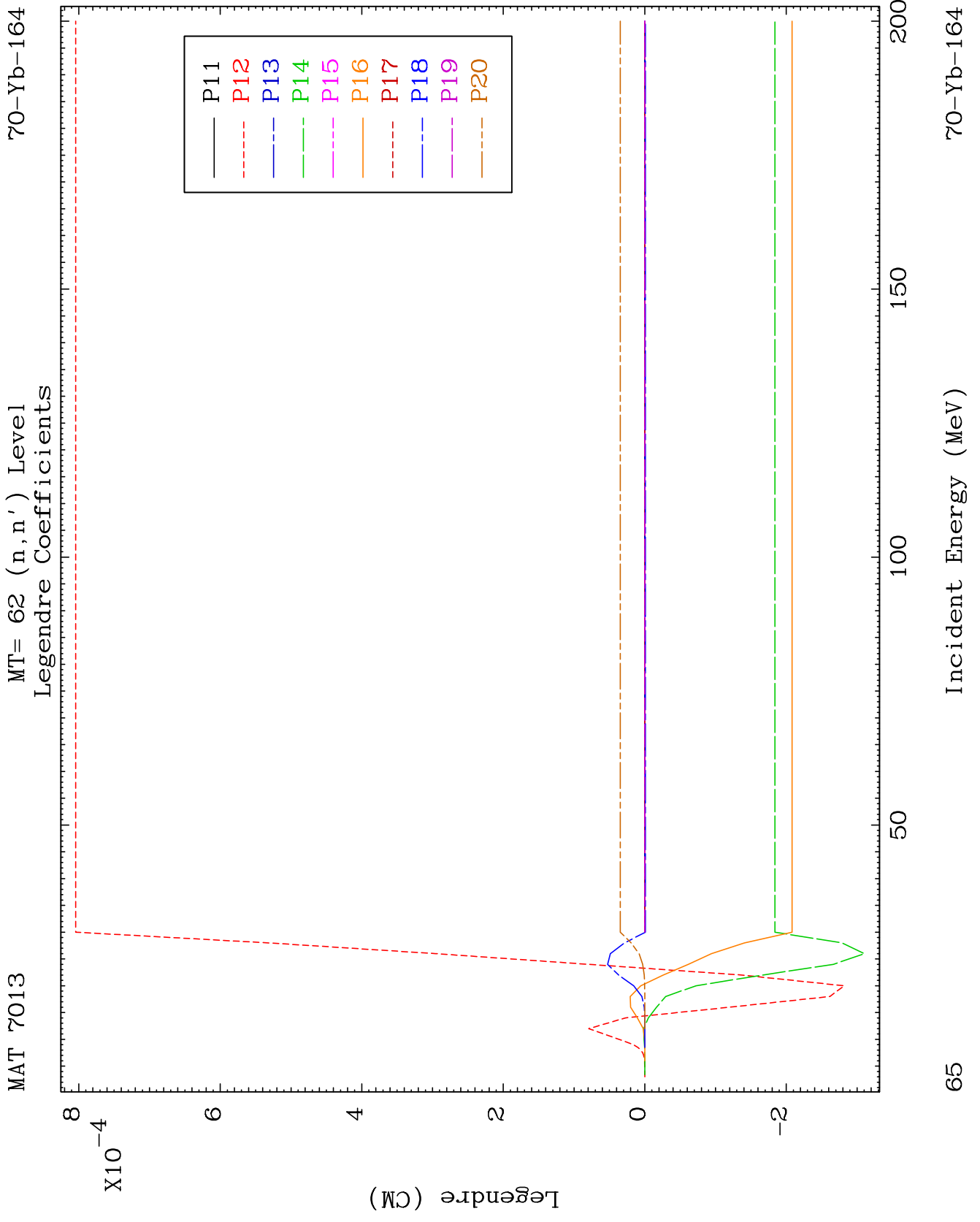
Incident Energy (MeV)

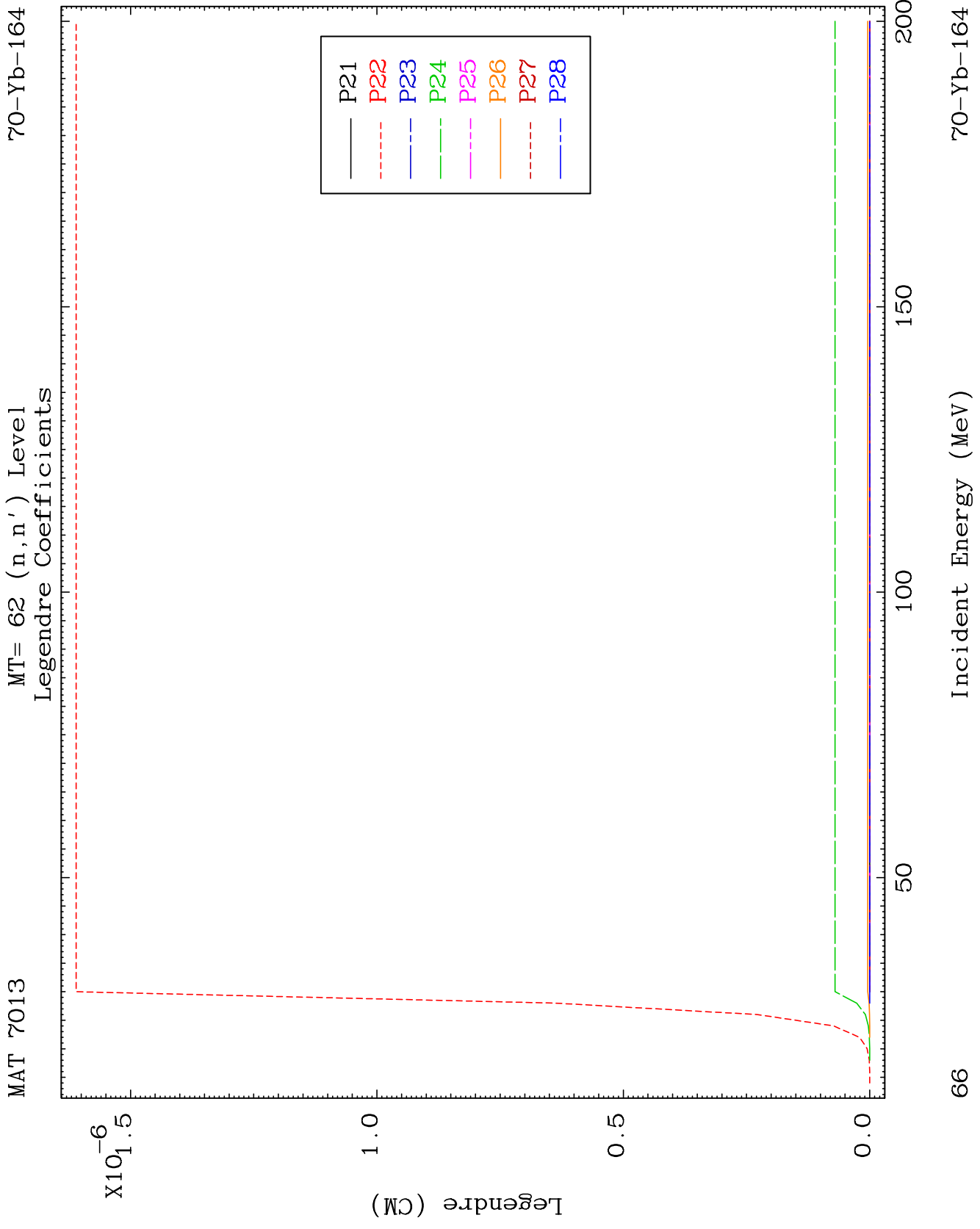
70-Yb-164

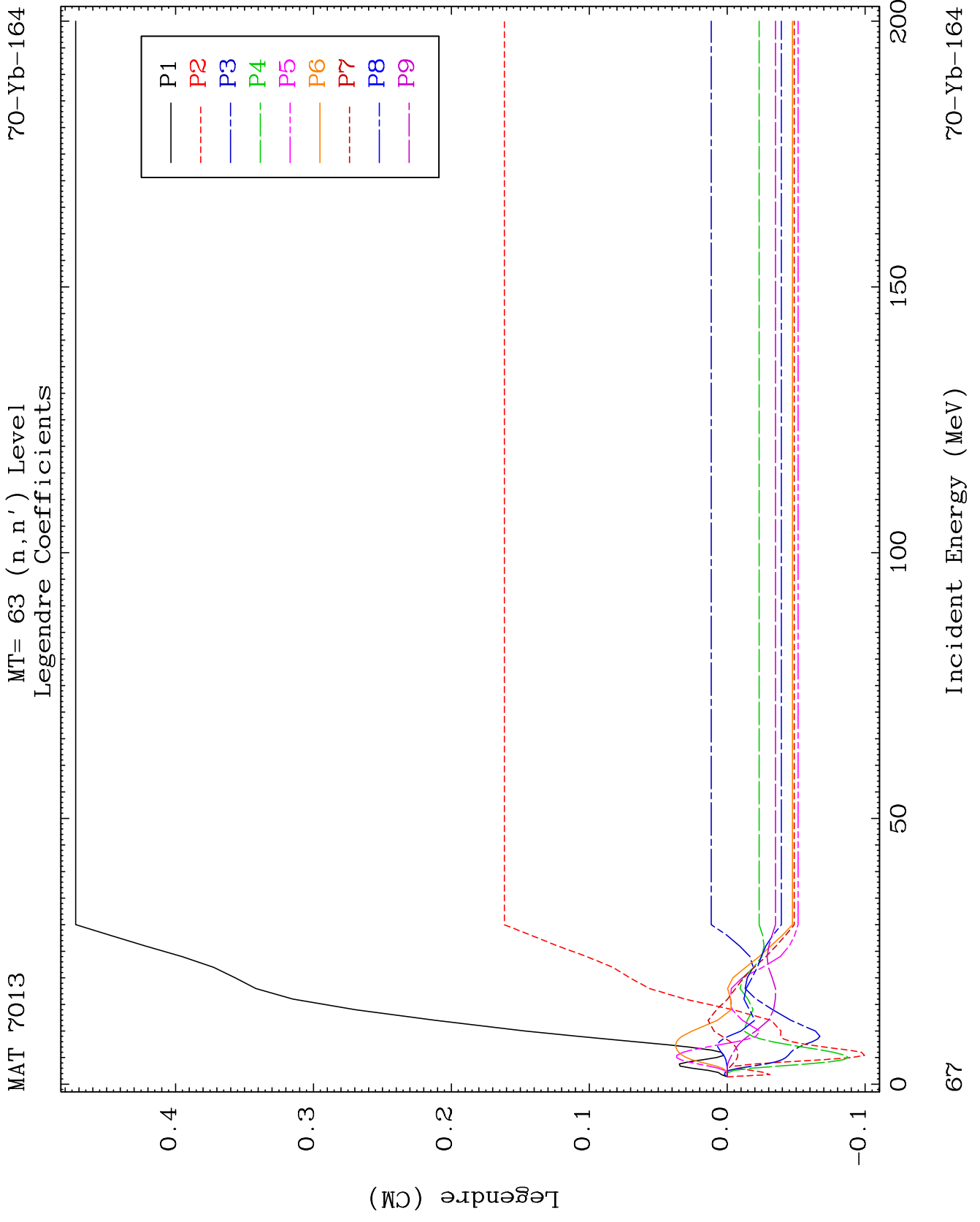








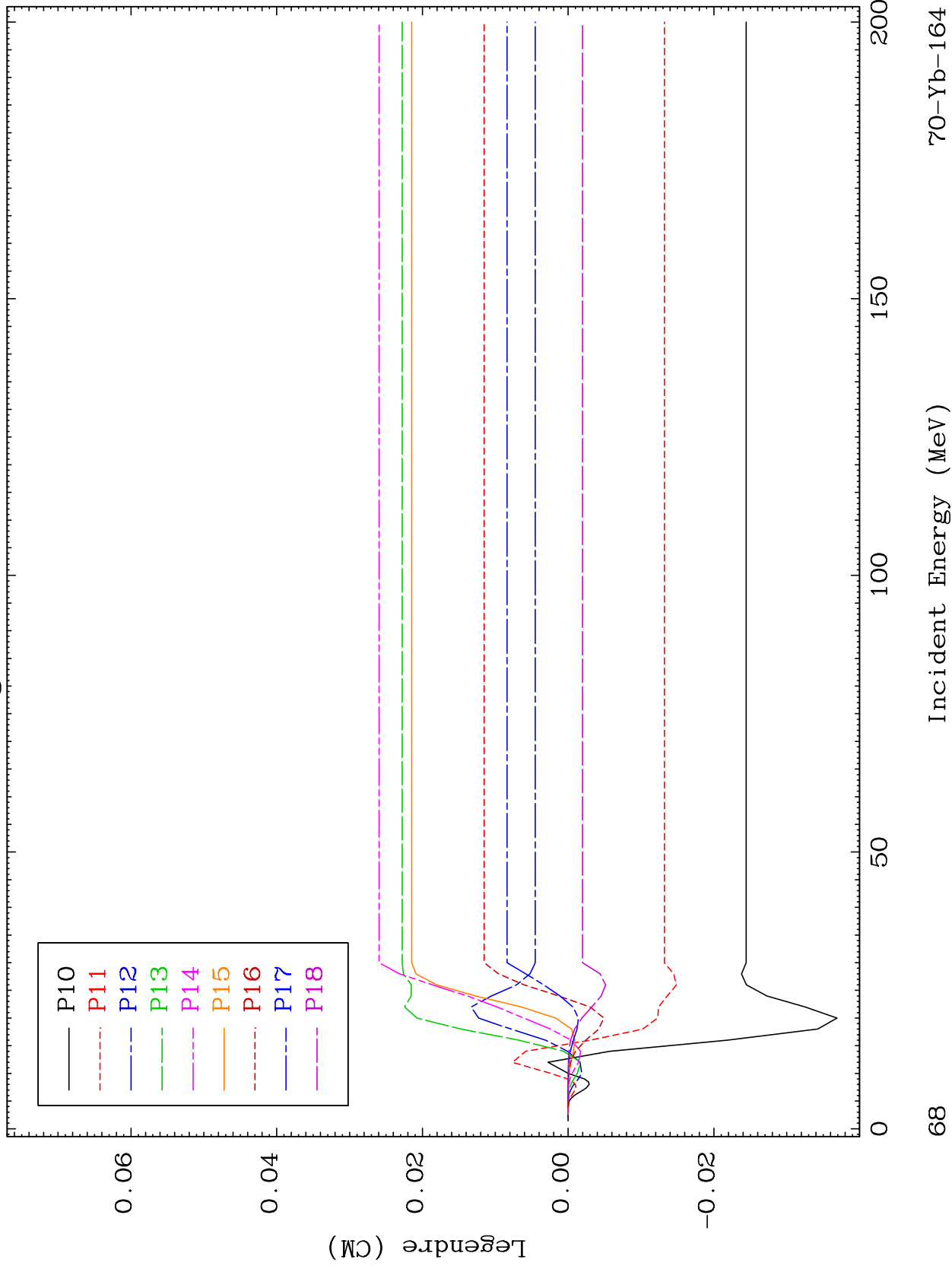




MAT 7013

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

70-Yb-164



68

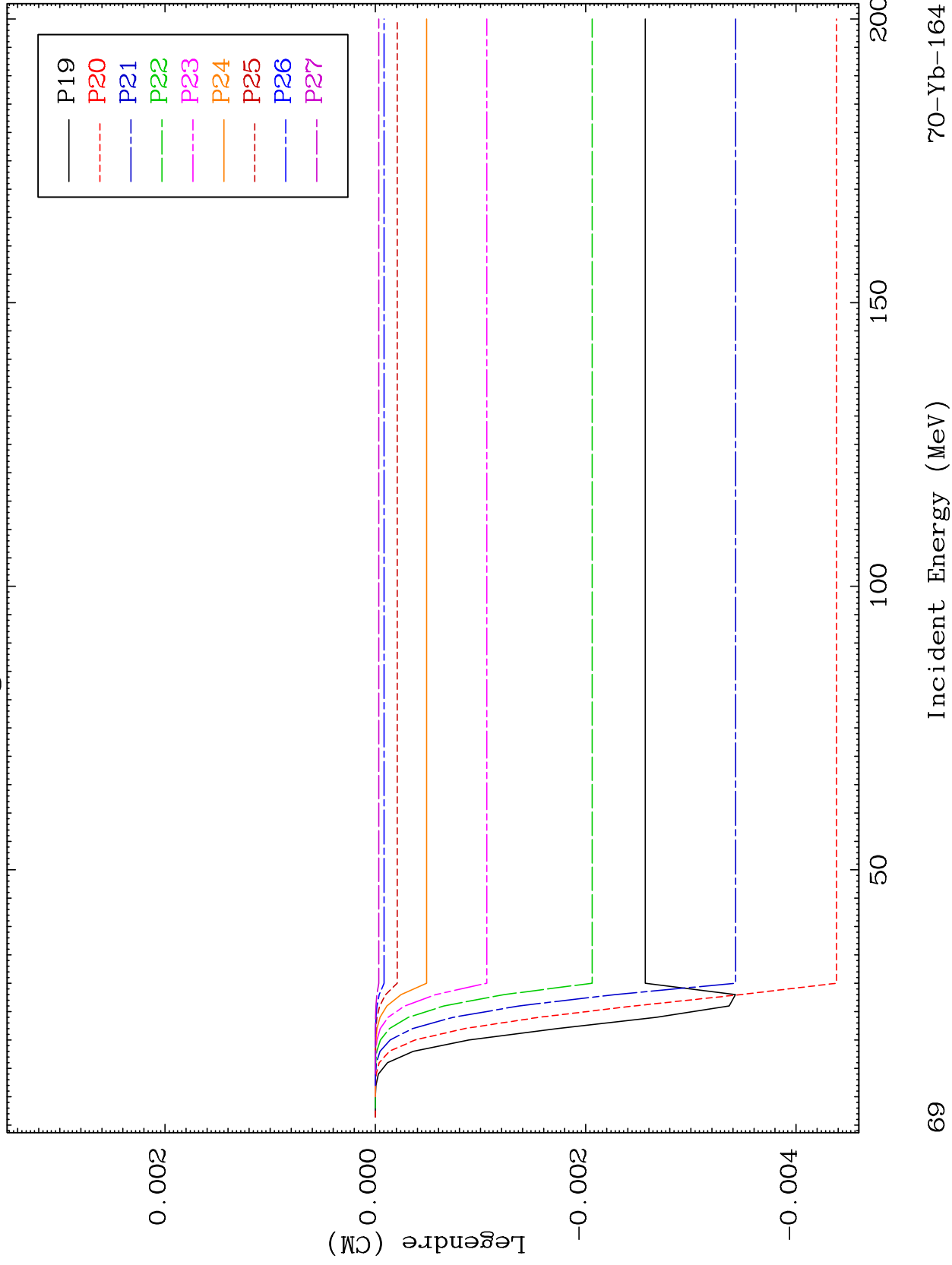
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

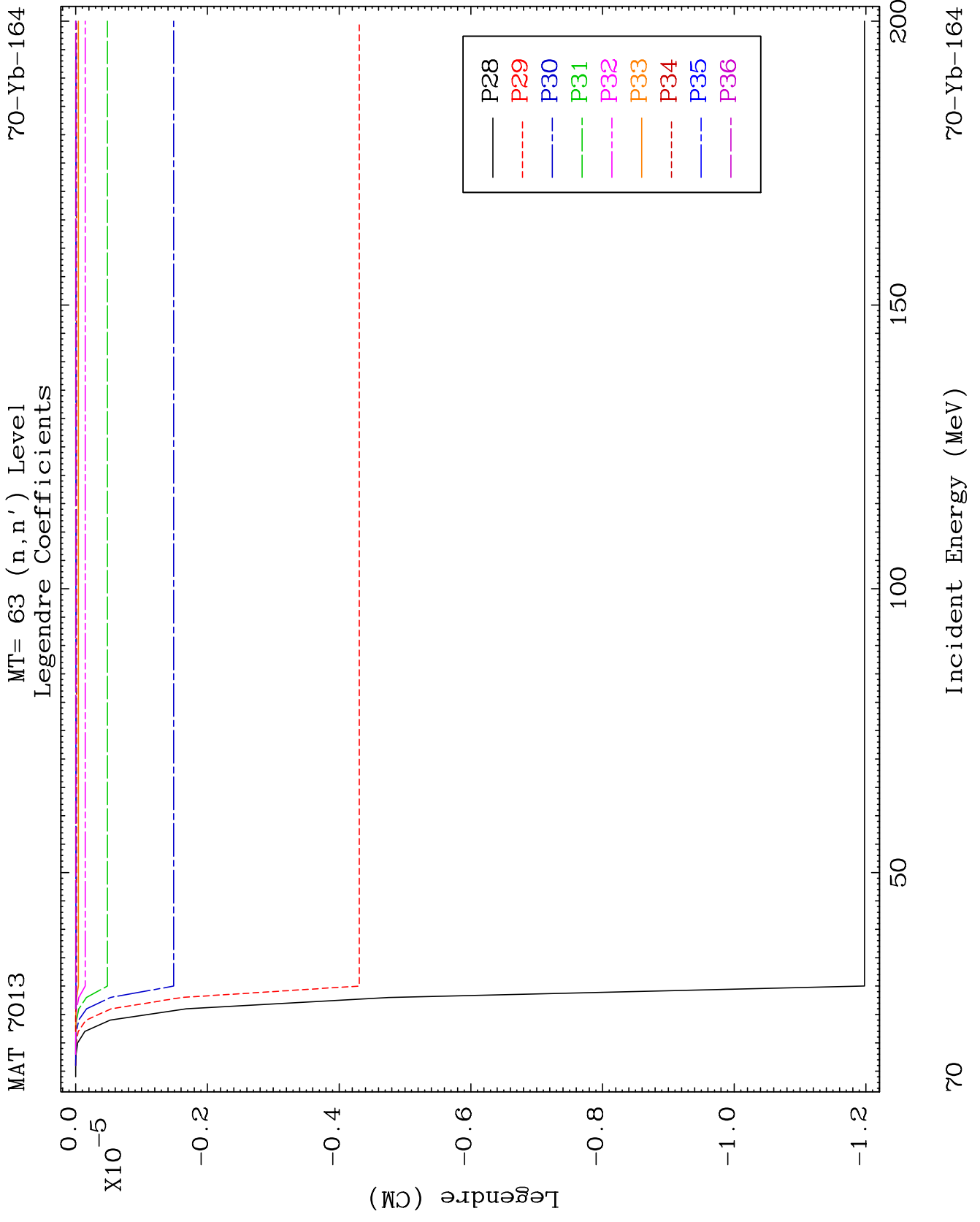
70-Yb-164



69

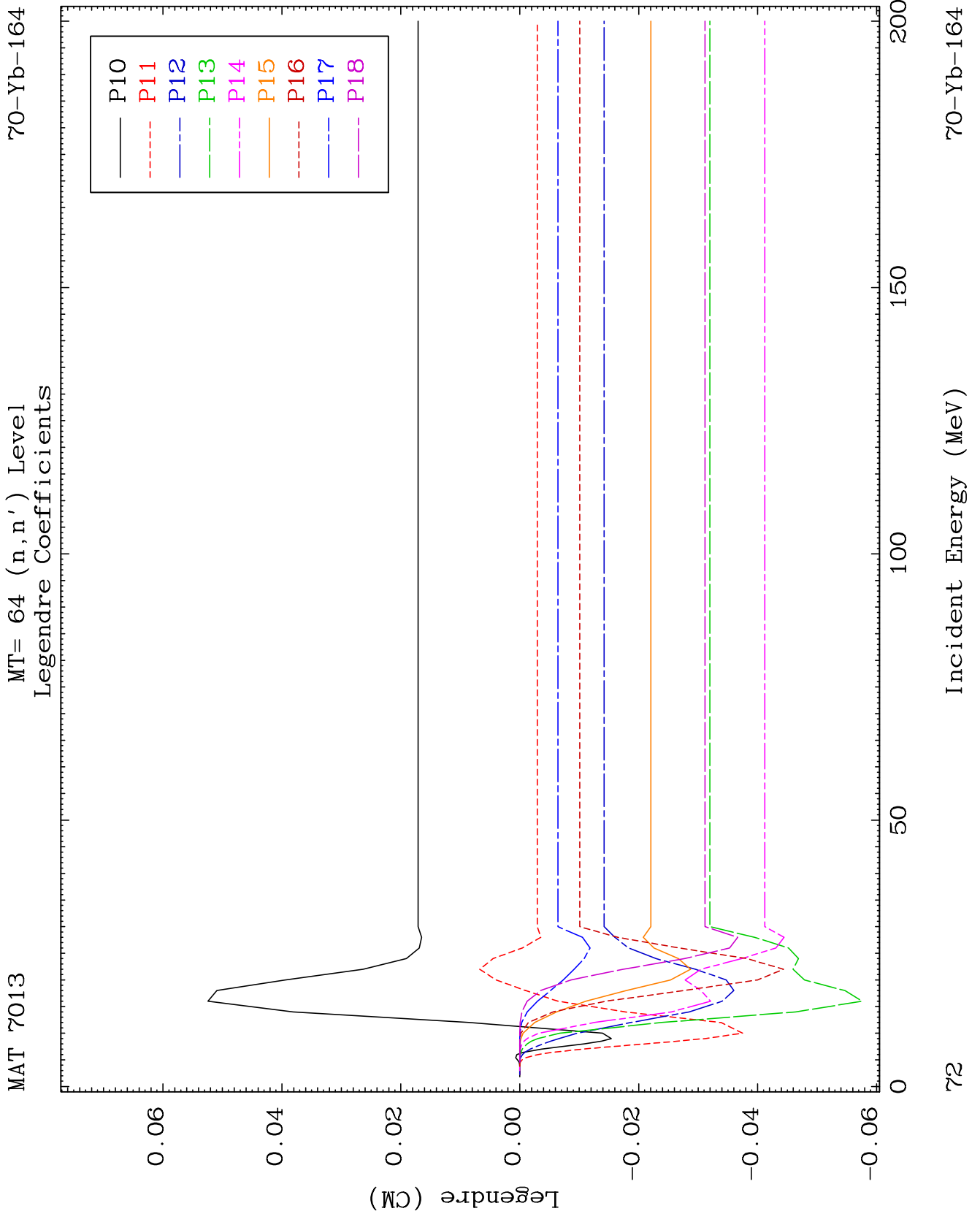
Incident Energy (MeV)

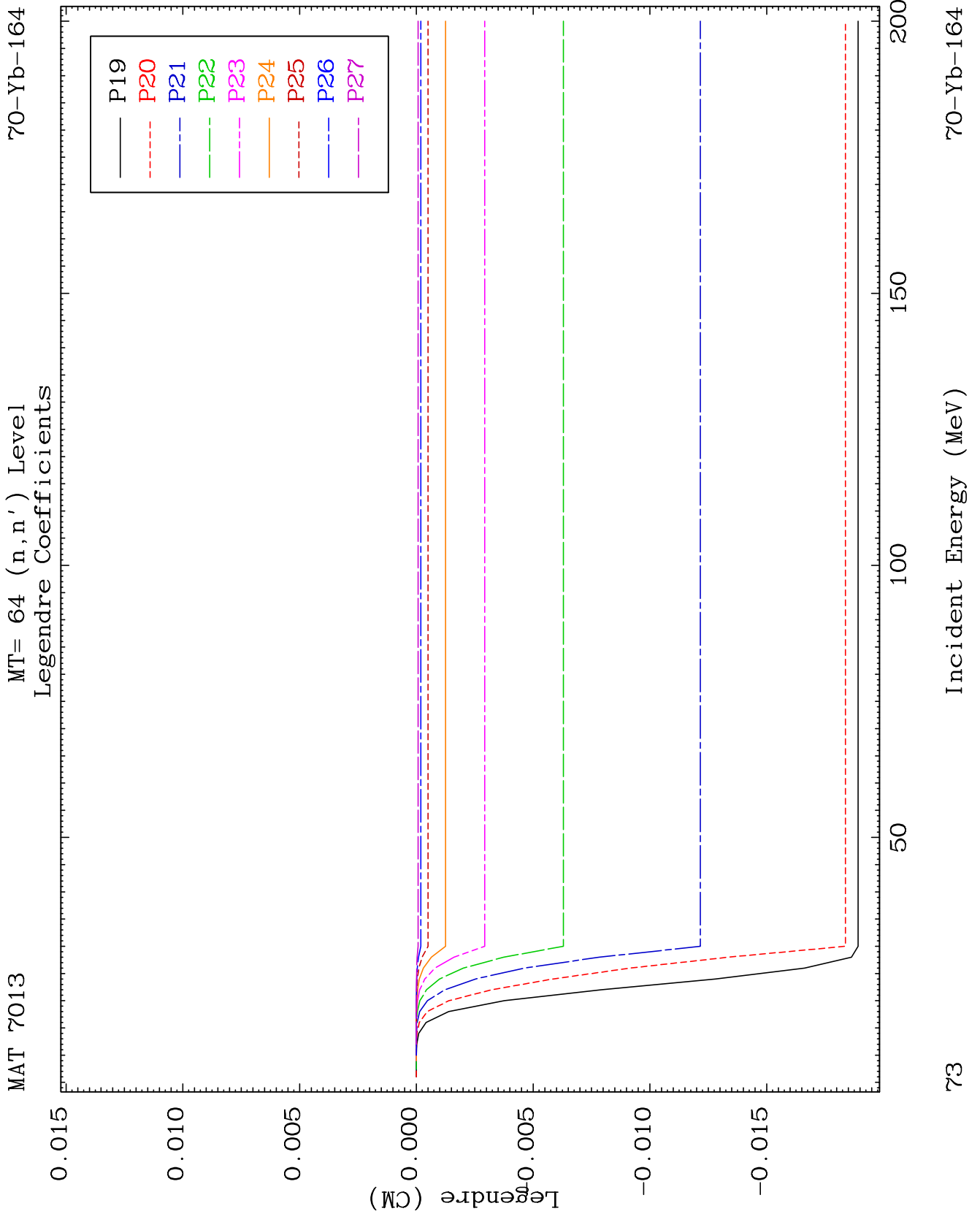
70-Yb-164





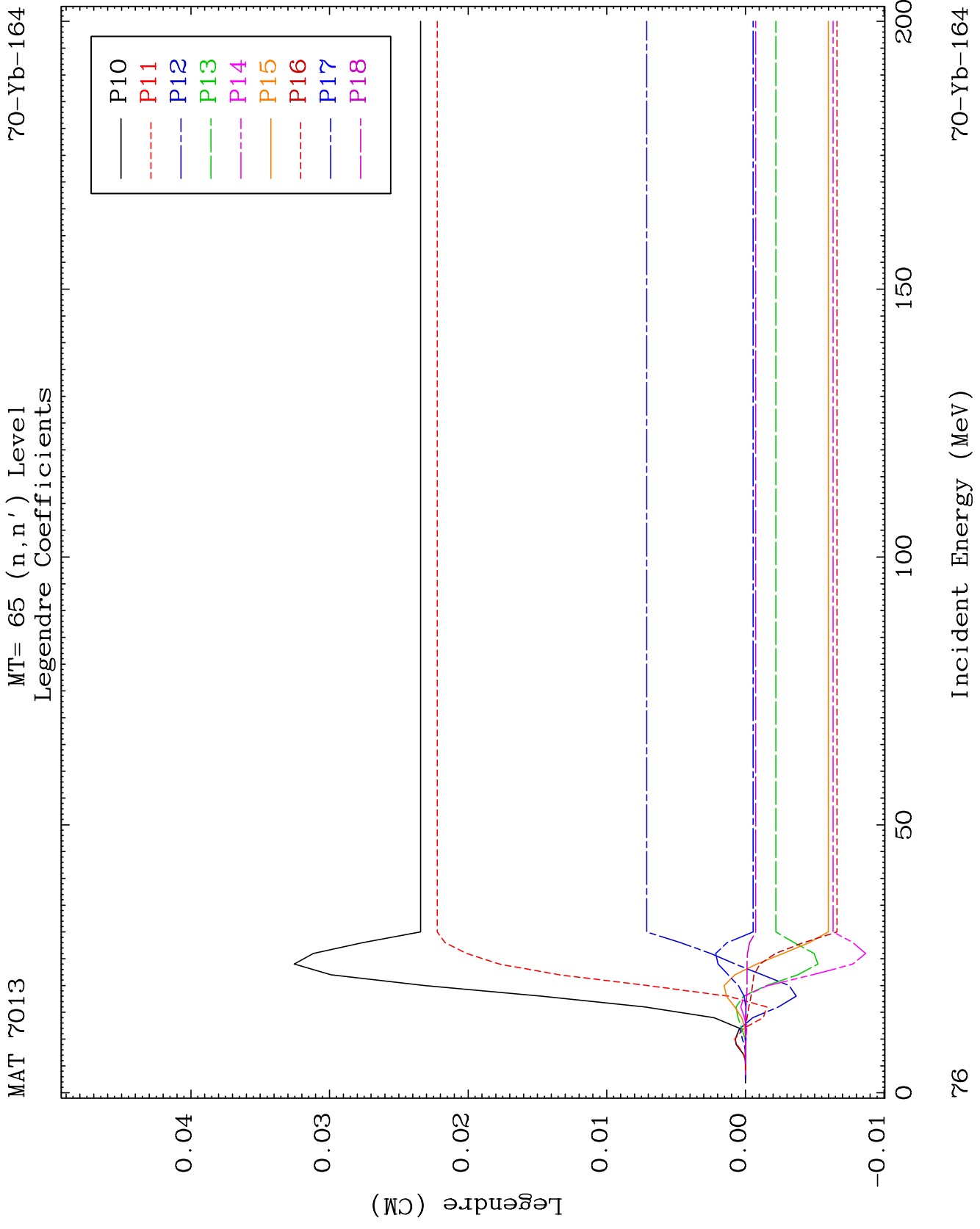








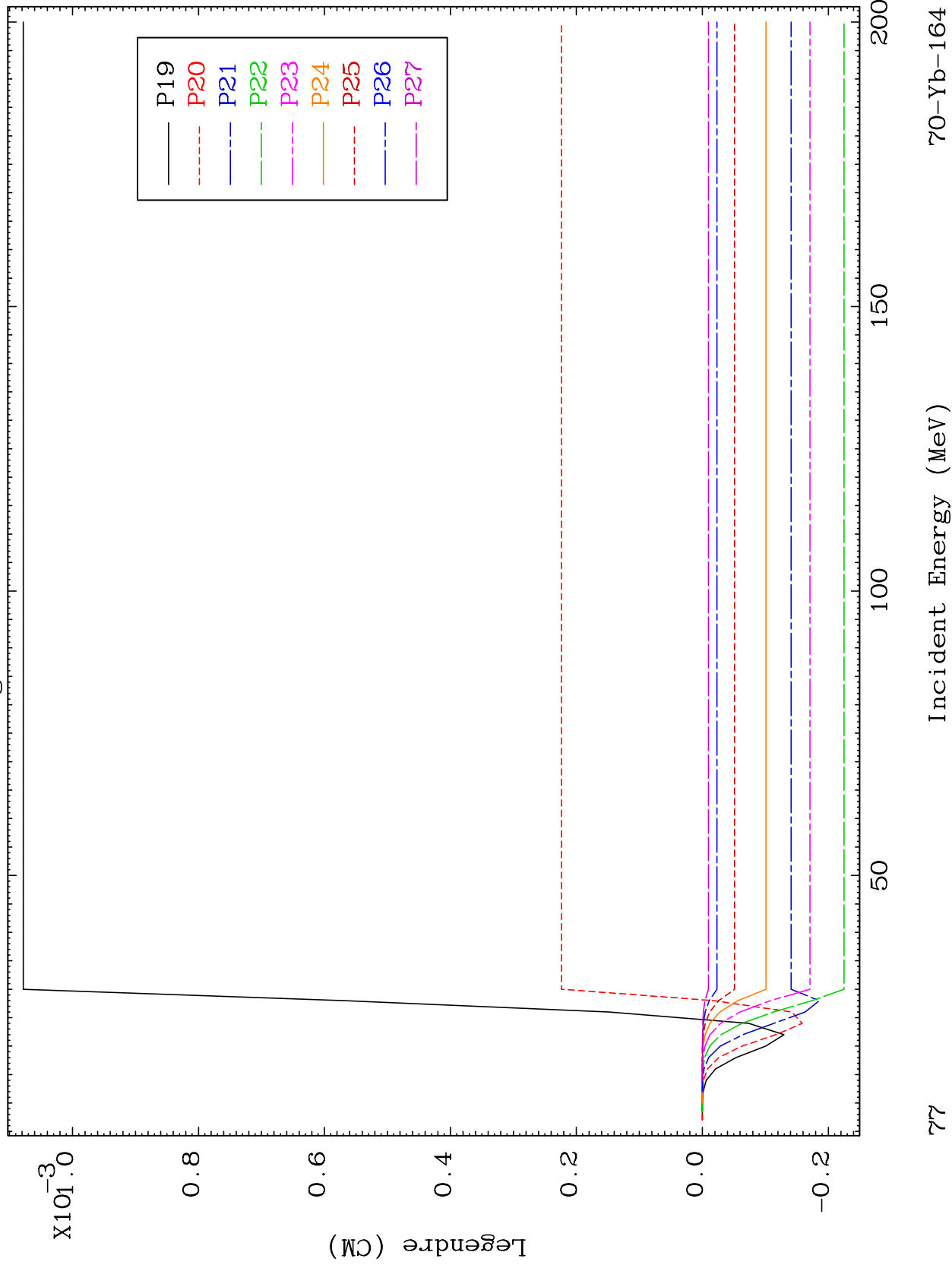


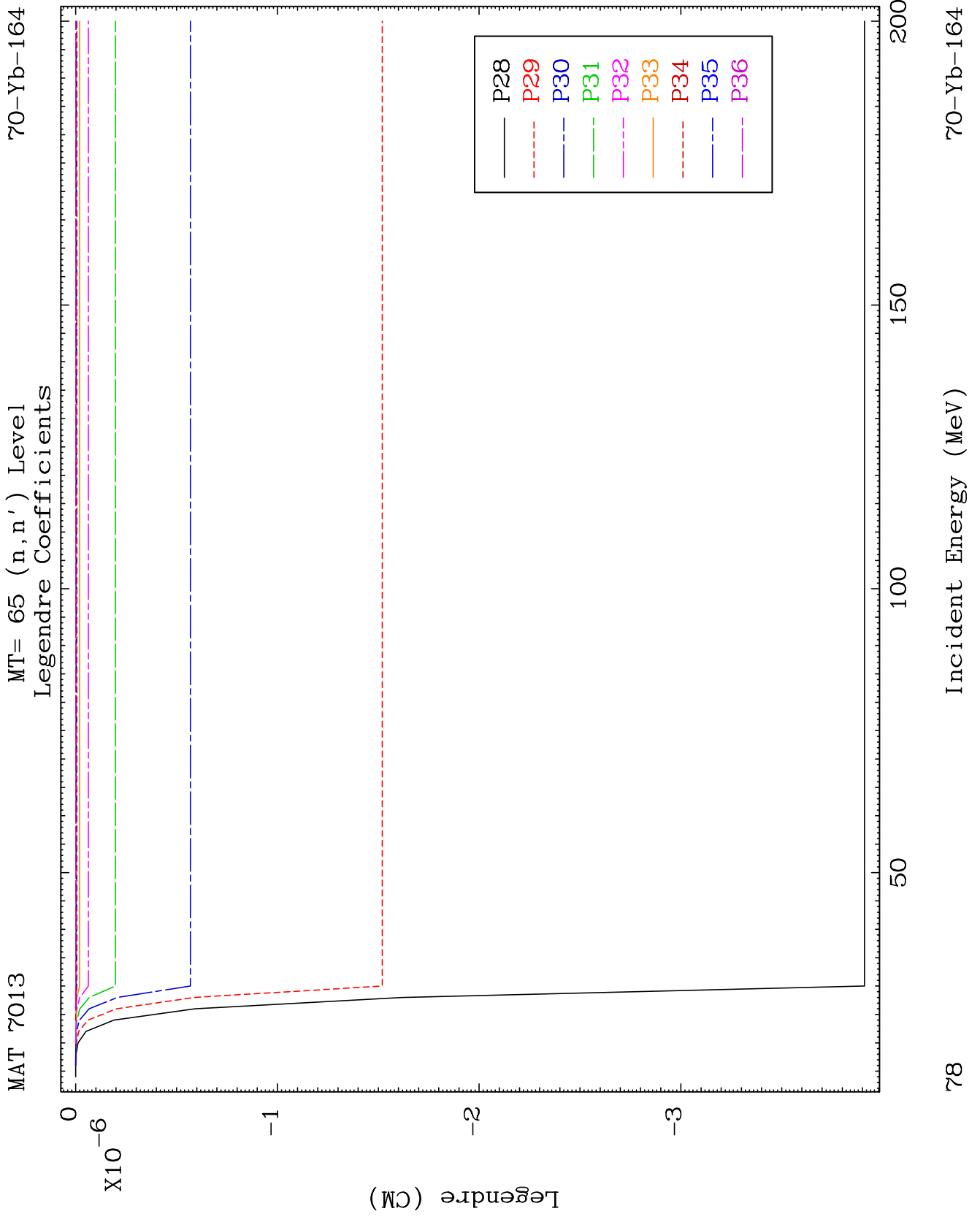


MAT 7013

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

70-Yb-164

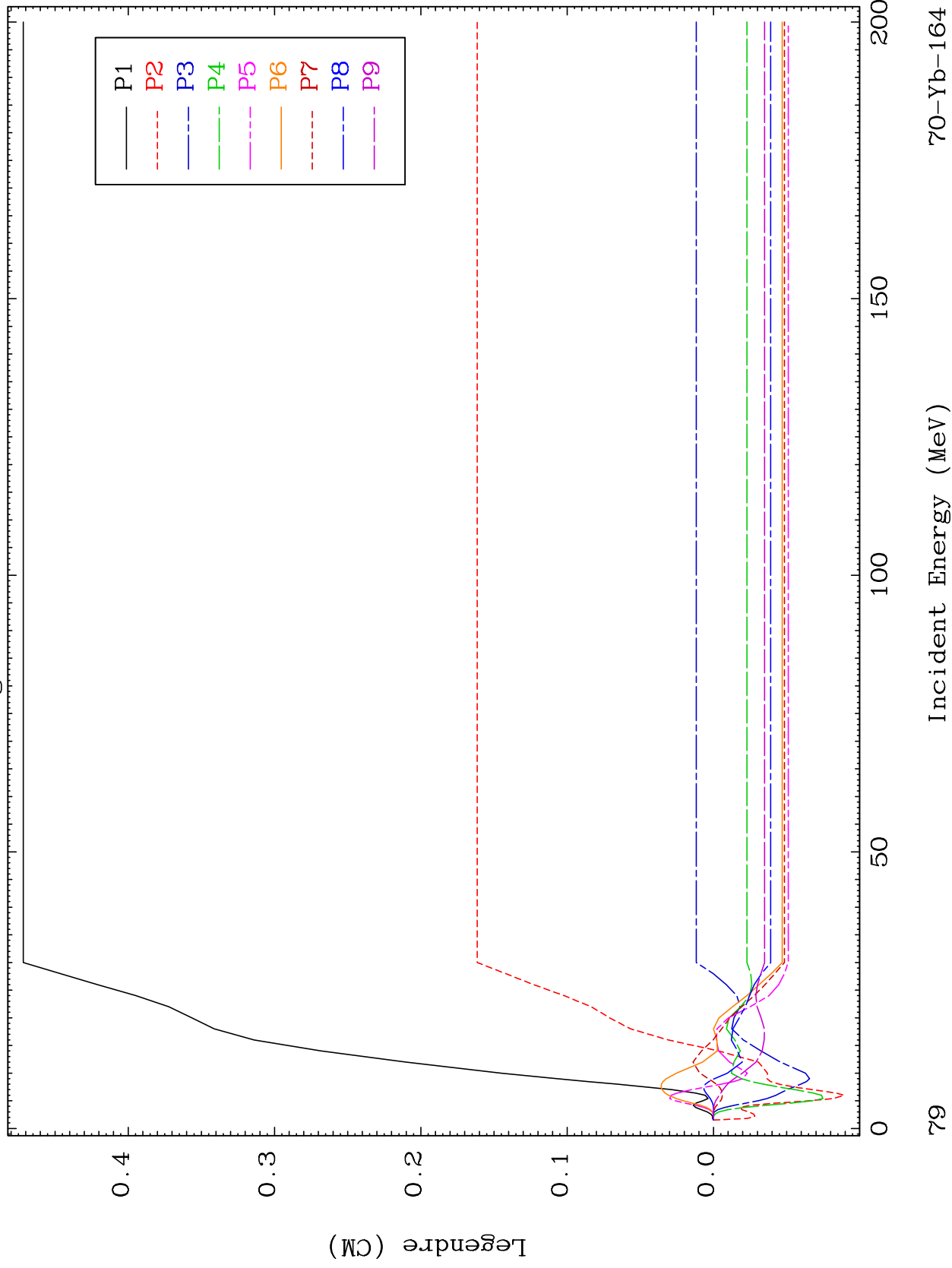




MAT 7013

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

70-Yb-164

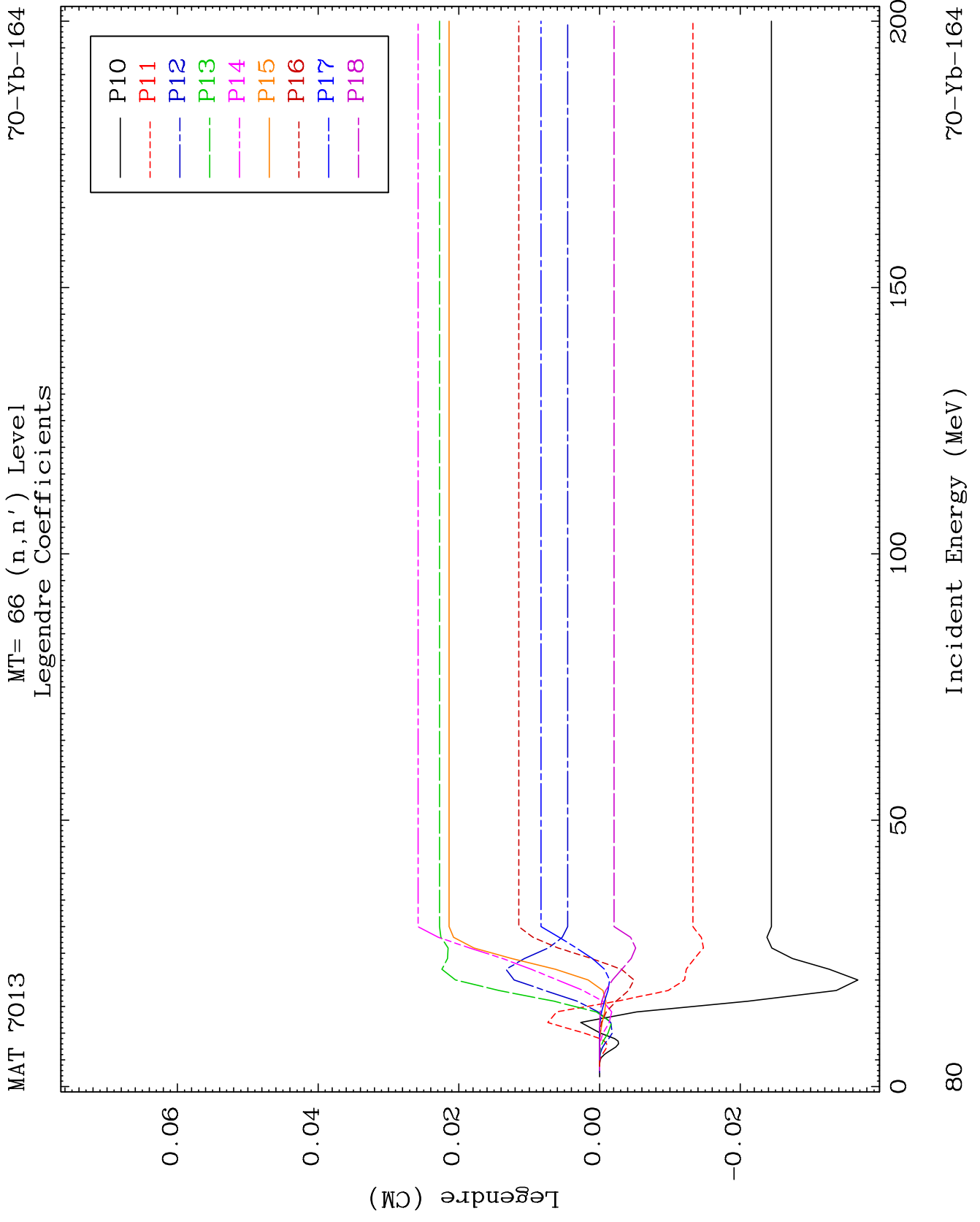


70-Yb-164

Incident Energy (MeV)

79

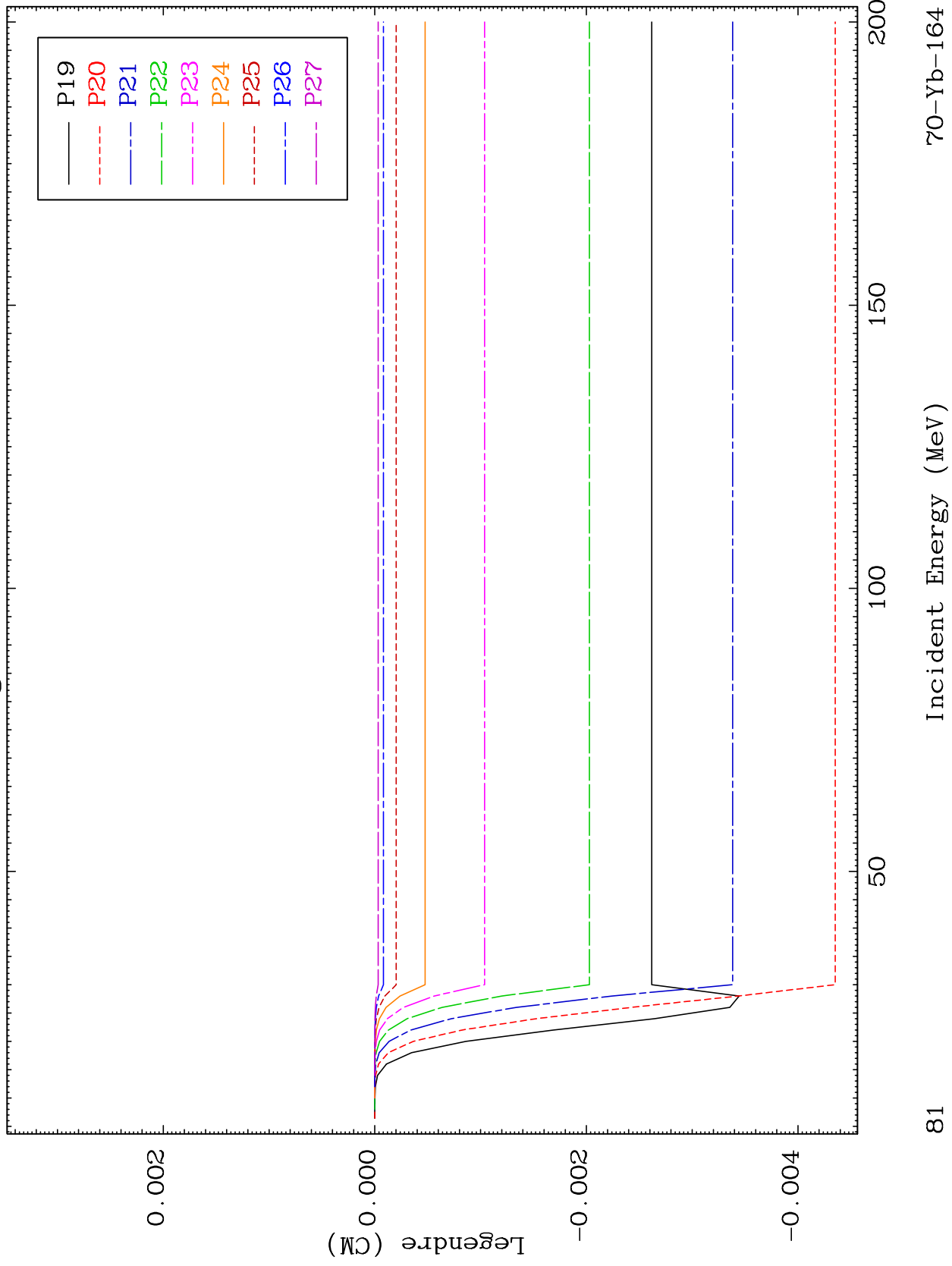




MAT 7013

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

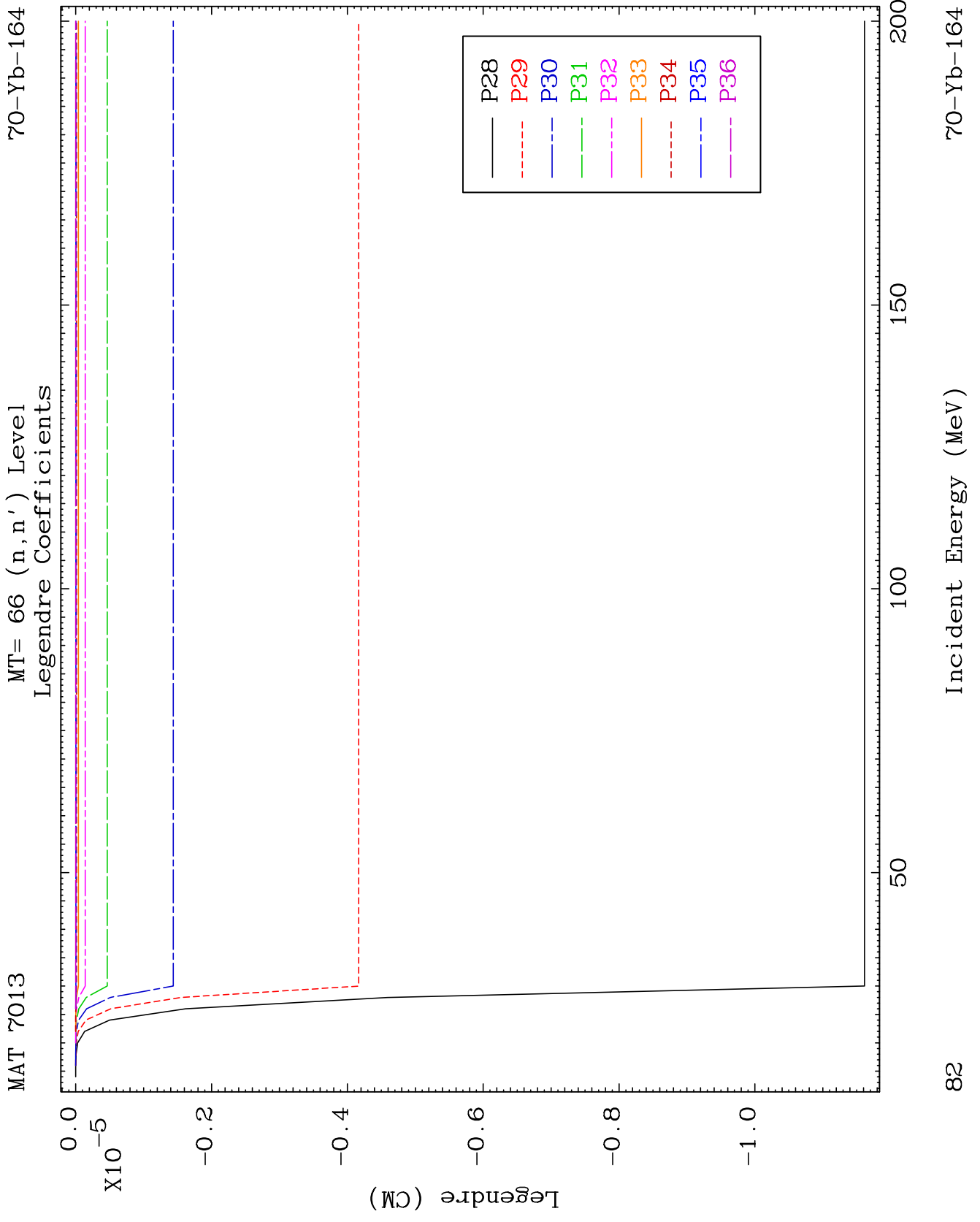
70-Yb-164



81

Incident Energy (MeV)

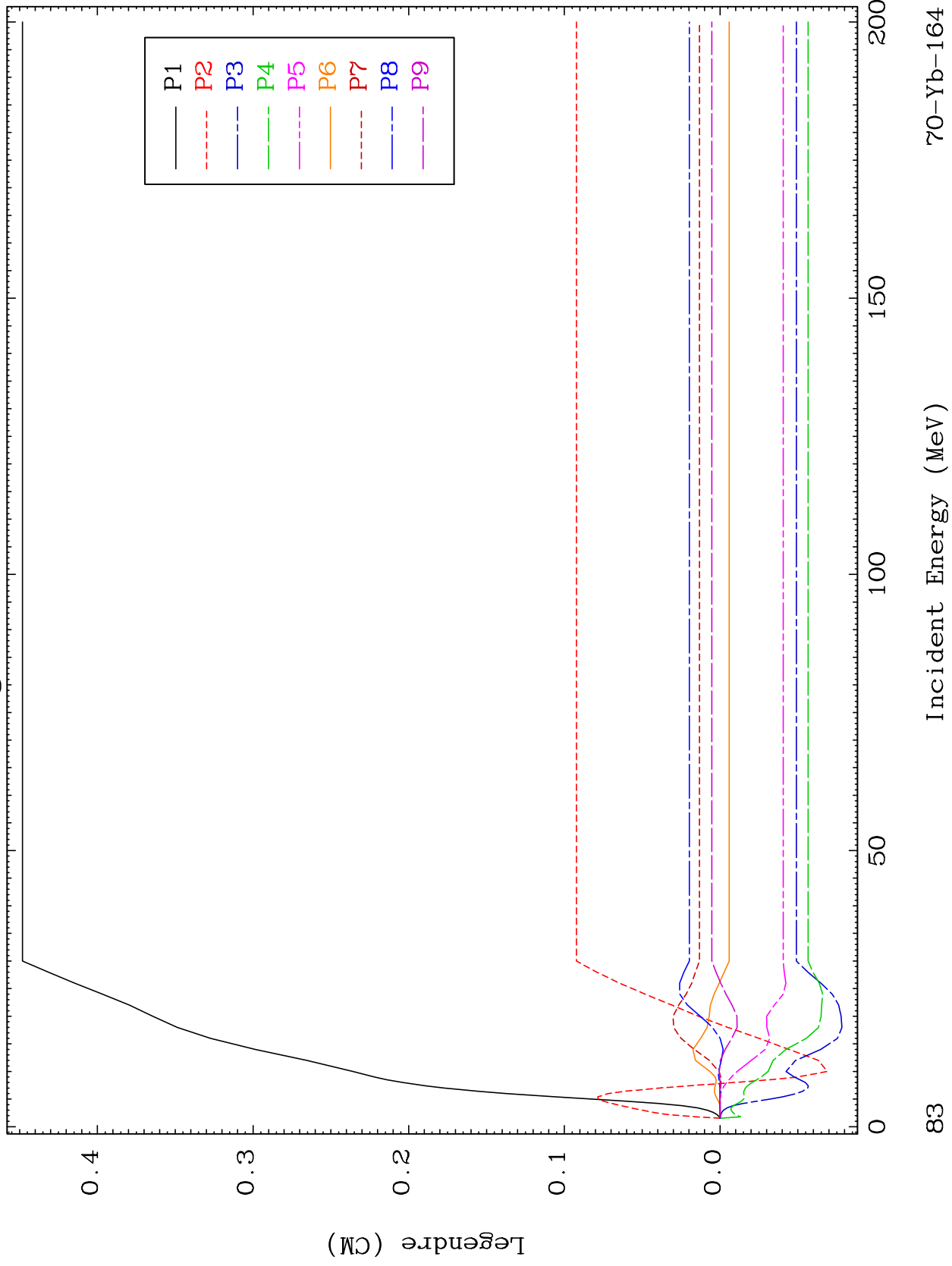
70-Yb-164



MAT 7013

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

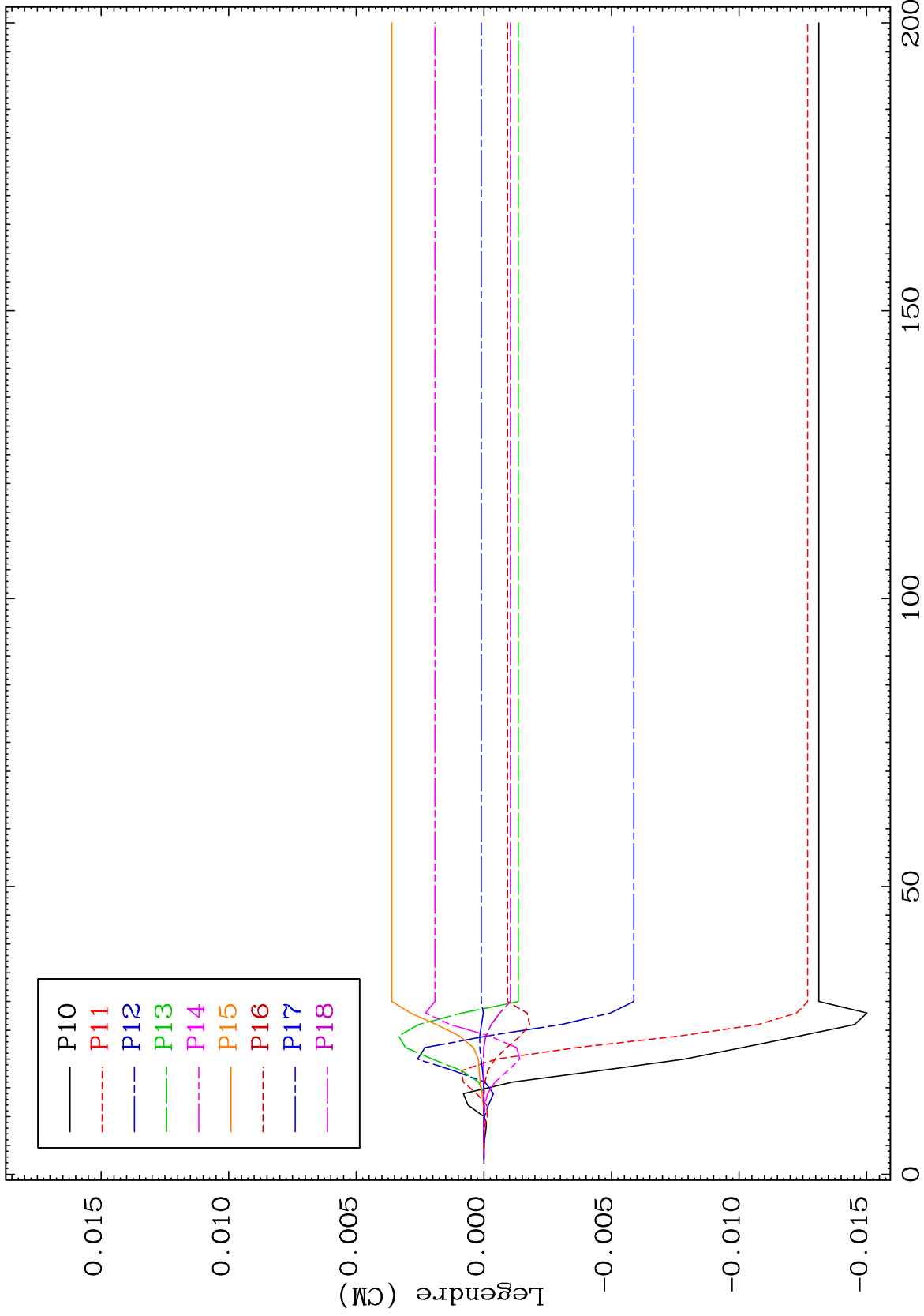
70-Yb-164



MAT 7013

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

70-Yb-164



84

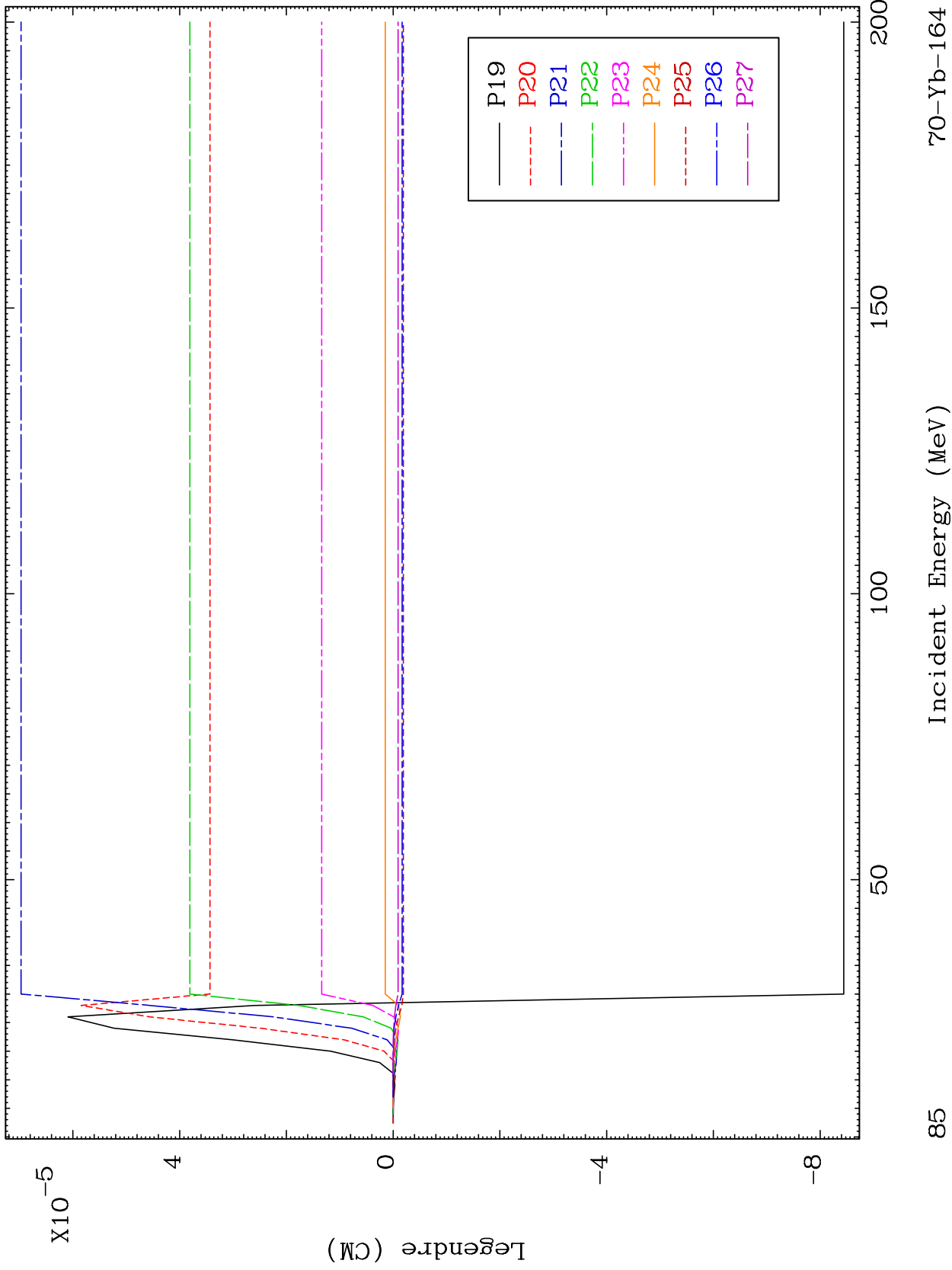
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

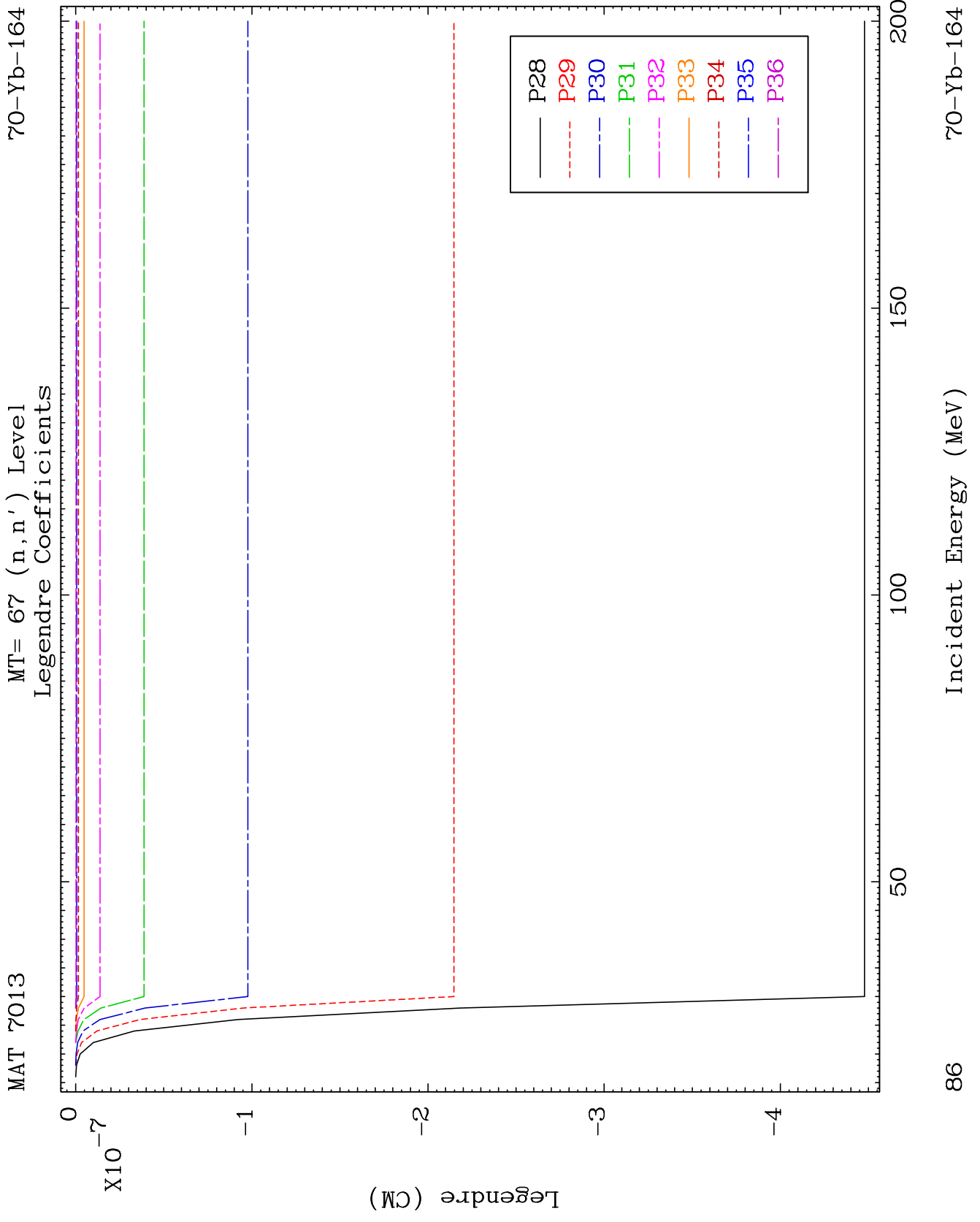
70-Yb-164



85

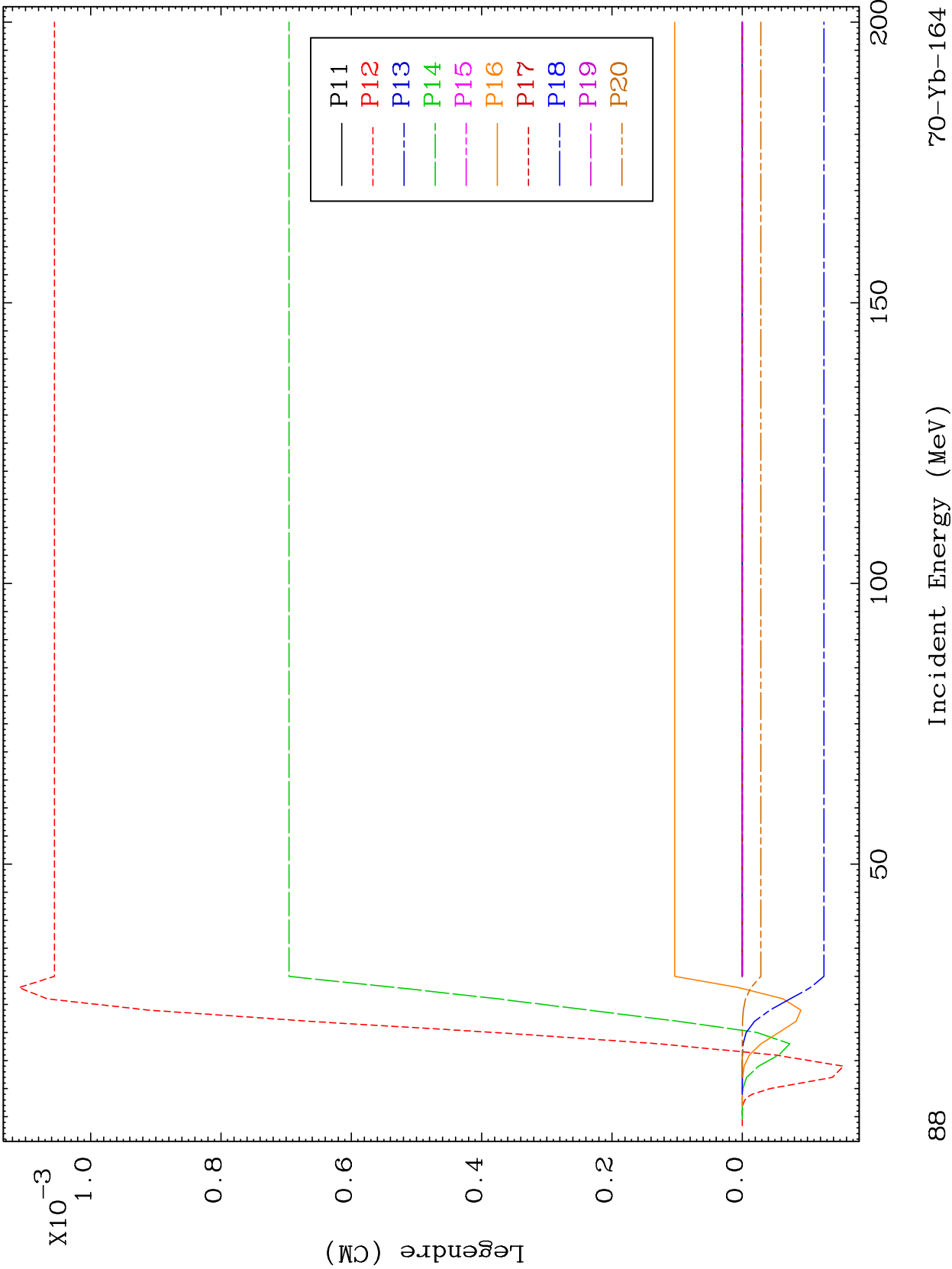
Incident Energy (MeV)

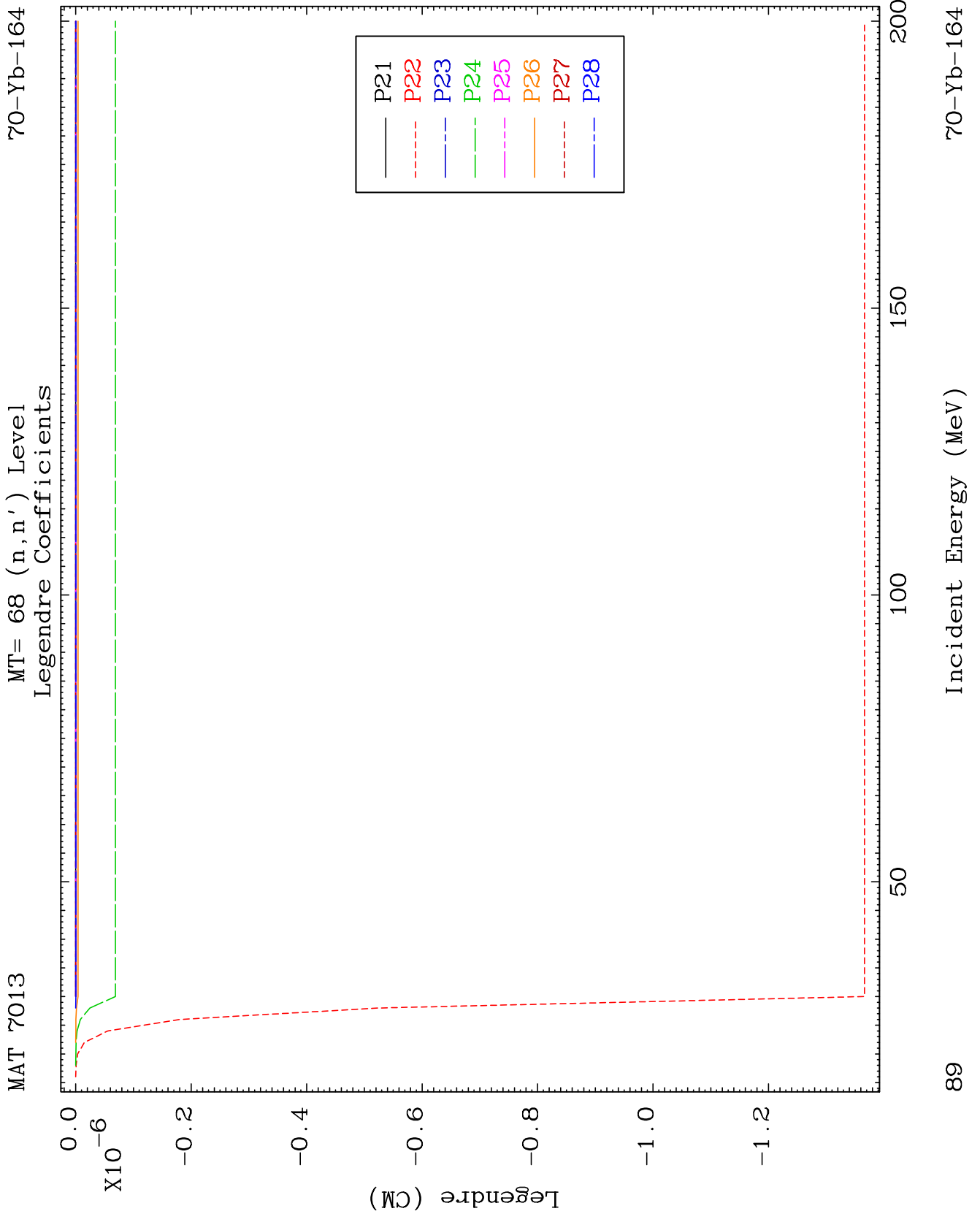
70-Yb-164









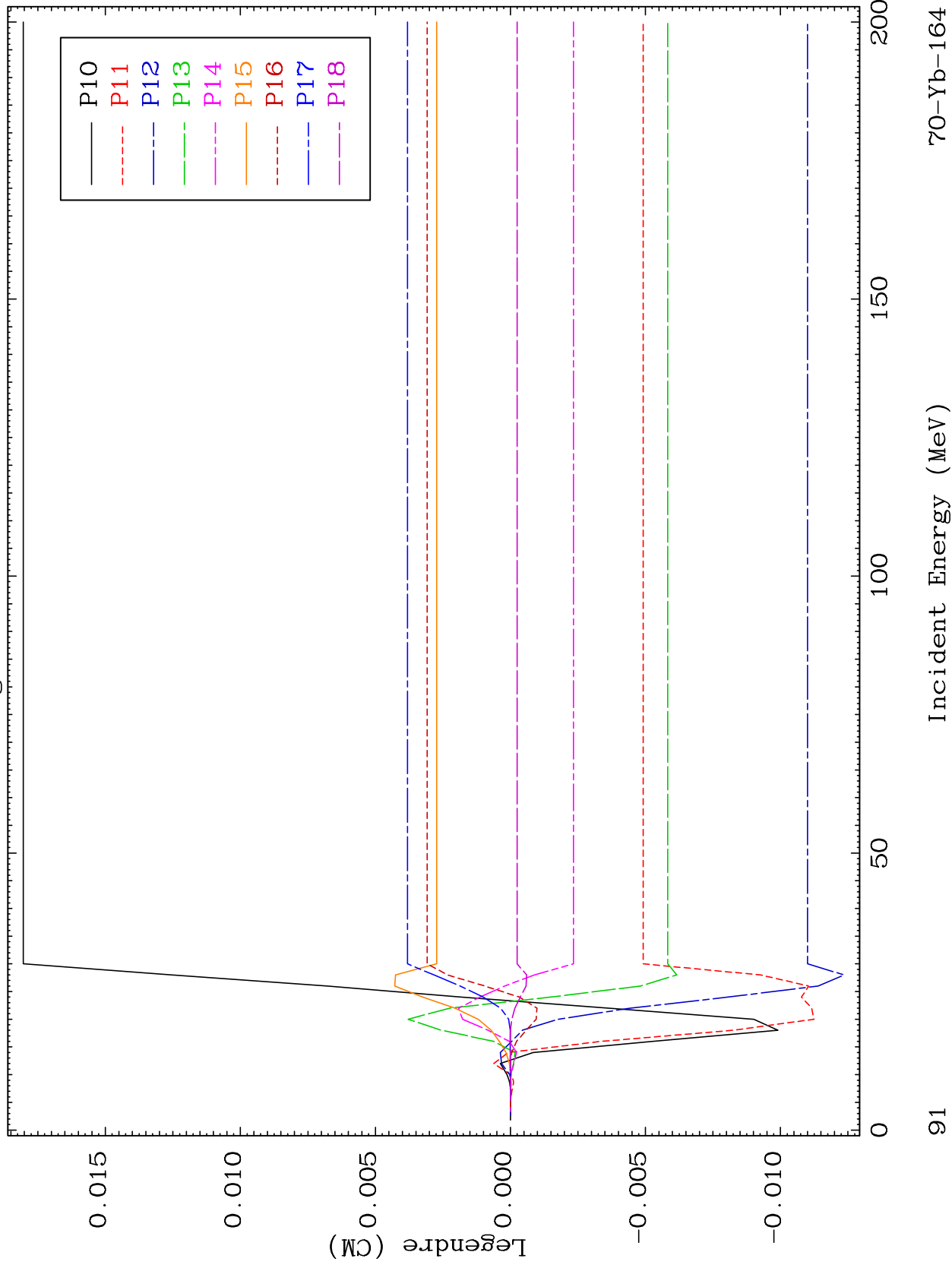




MAT 7013

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

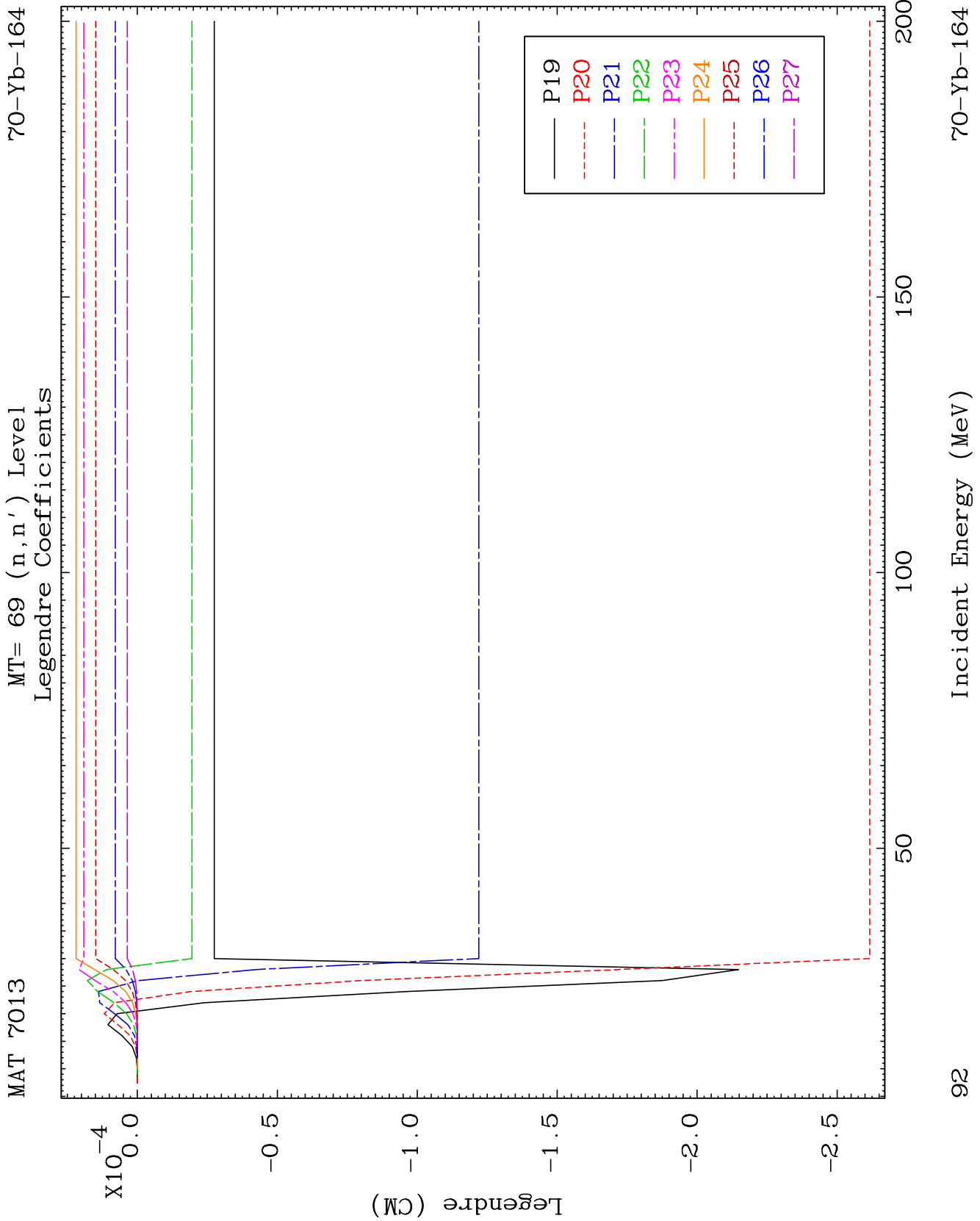
70-Yb-164



91

Incident Energy (MeV)

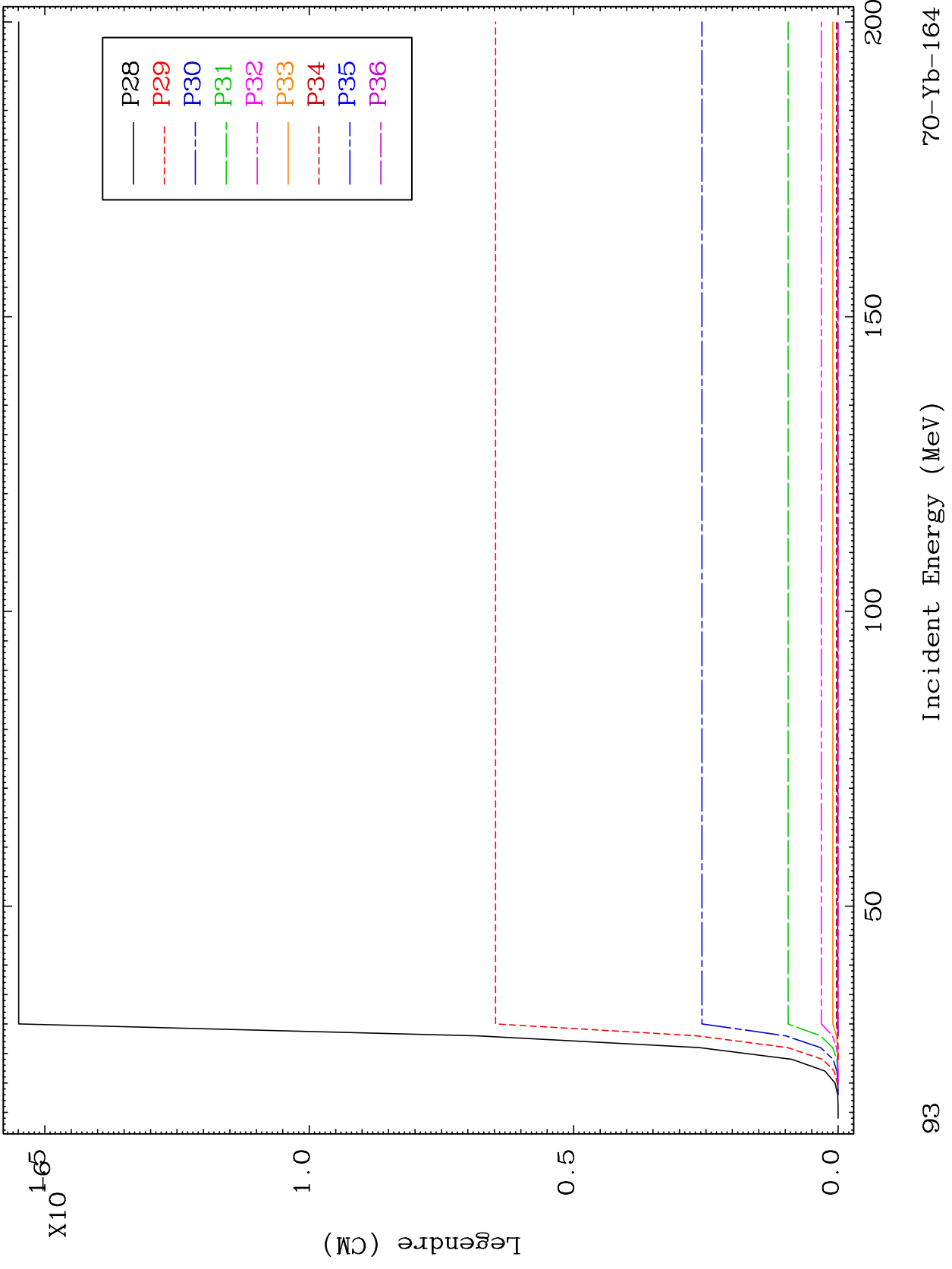
70-Yb-164



MAT 7013

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

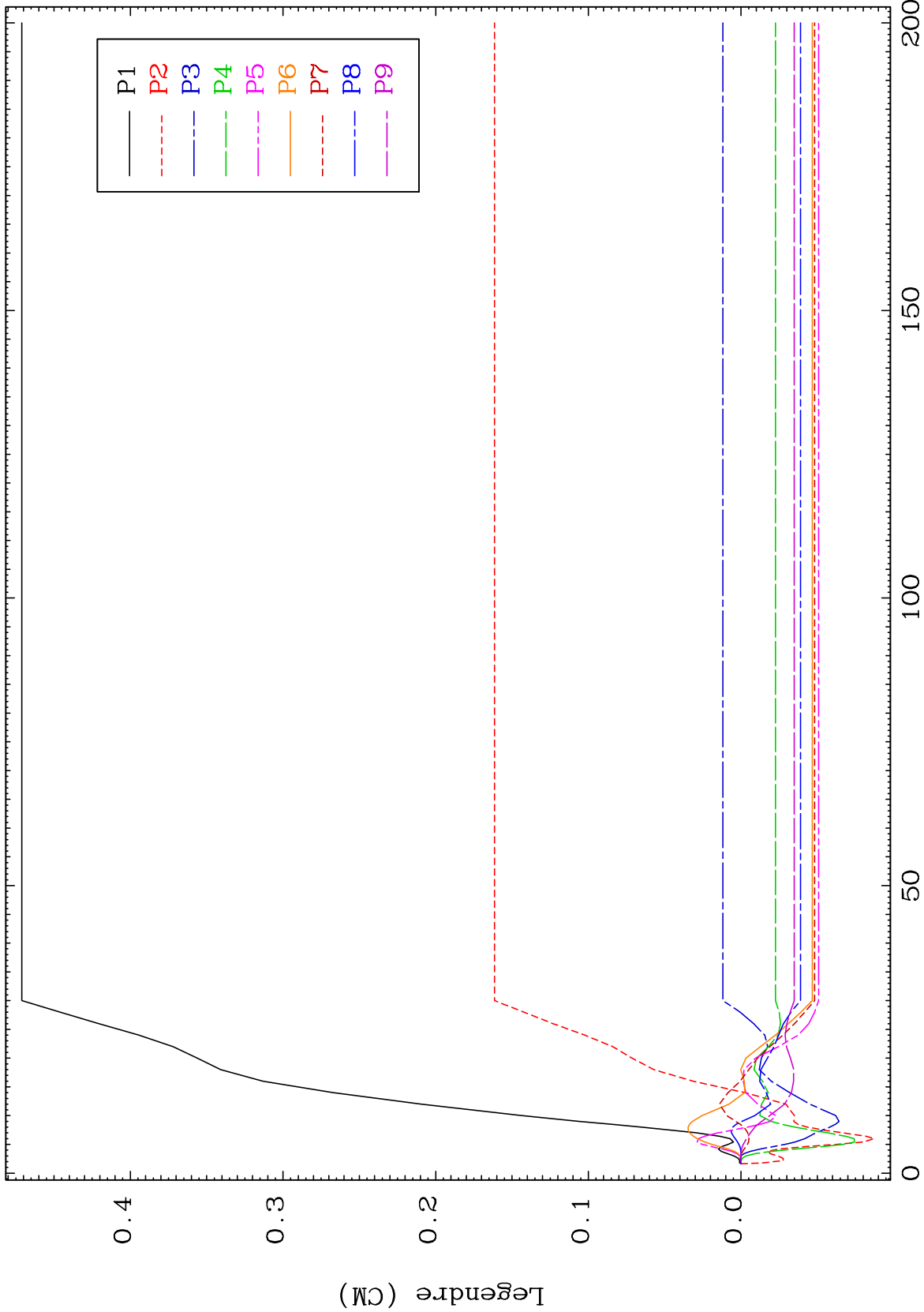
70-Yb-164



MAT 7013

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

70-Yb-164



94

Incident Energy (MeV)

70-Yb-164

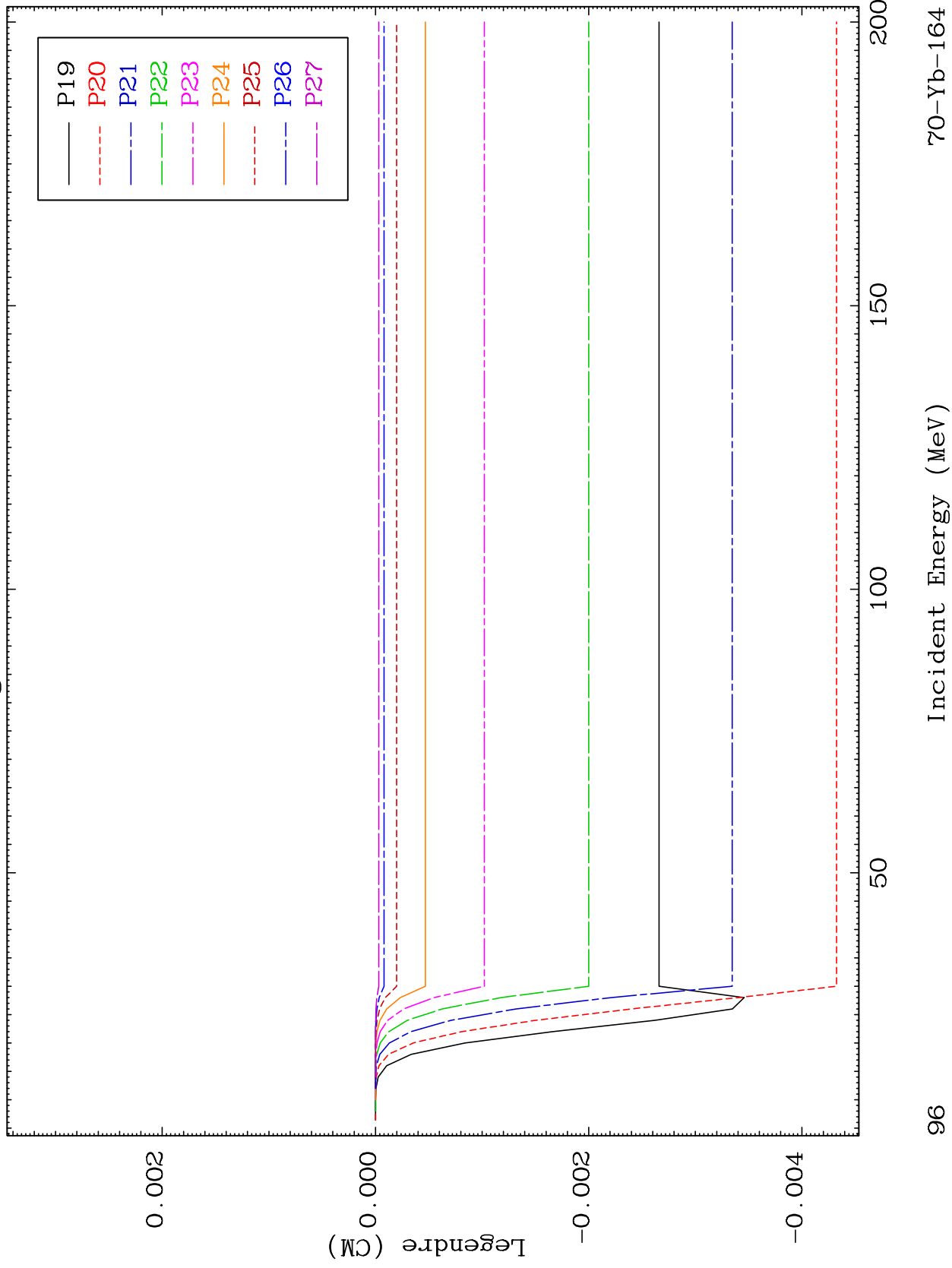




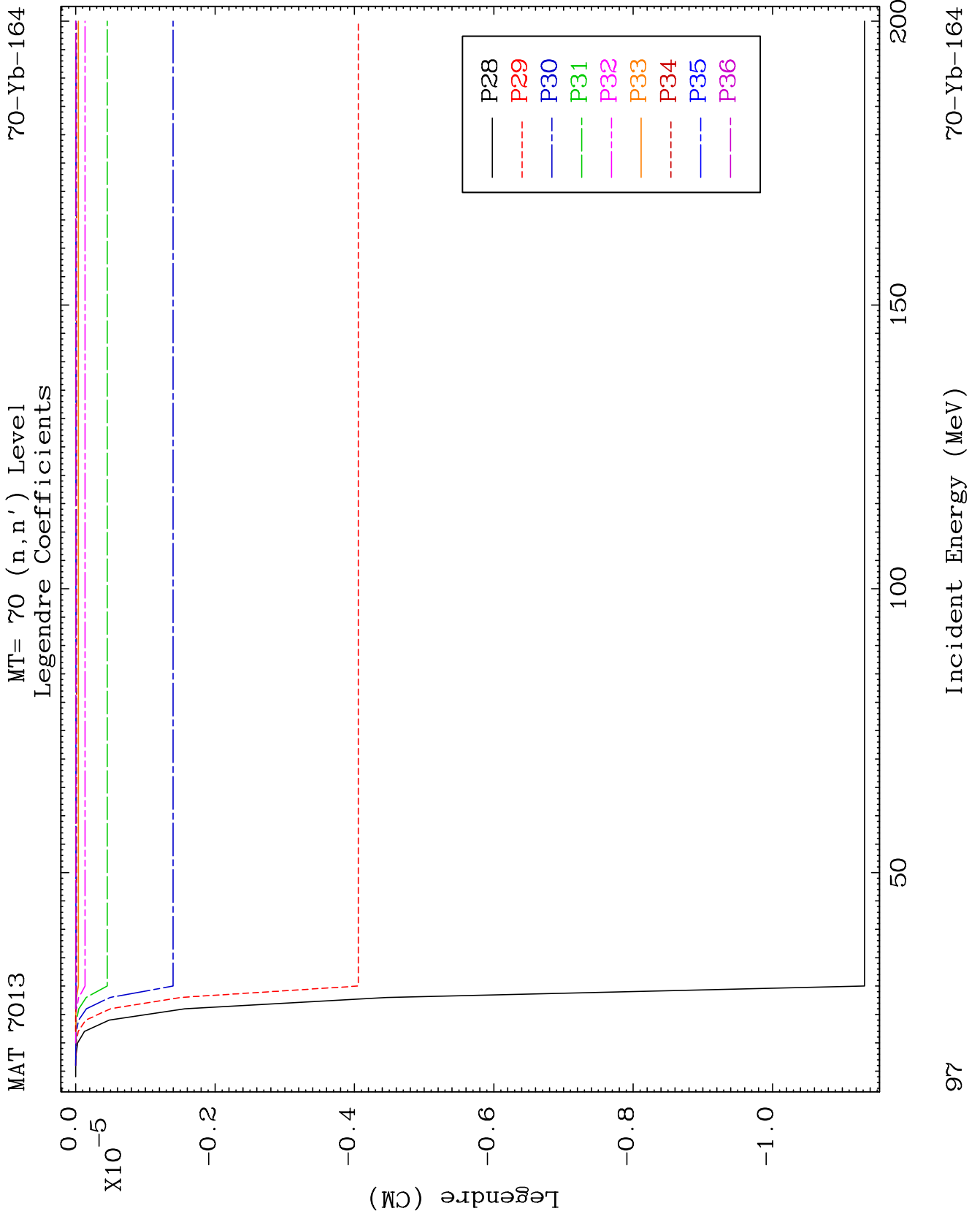
MAT 7013

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

70-Yb-164



96

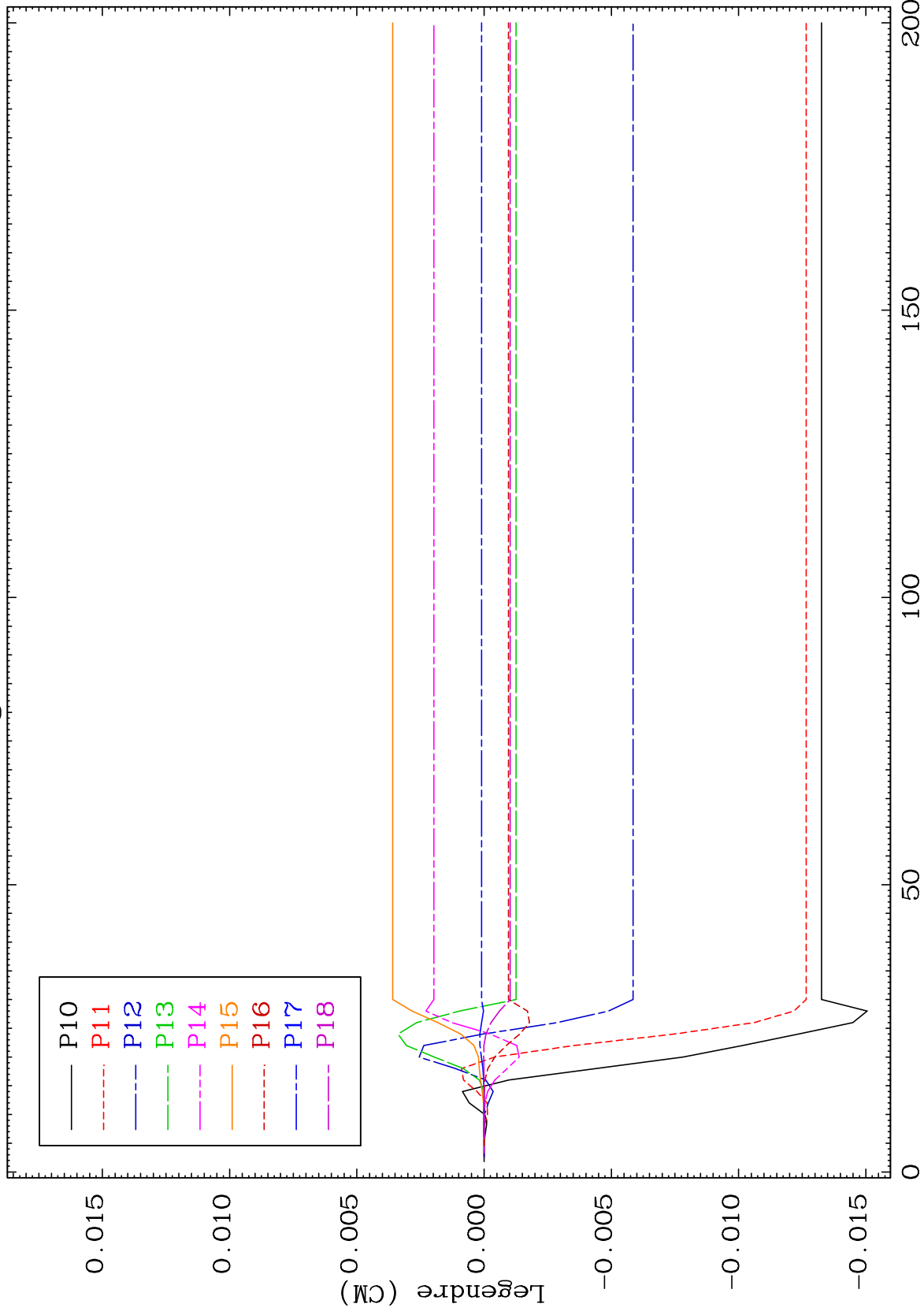




MAT 7013

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

70-Yb-164



99

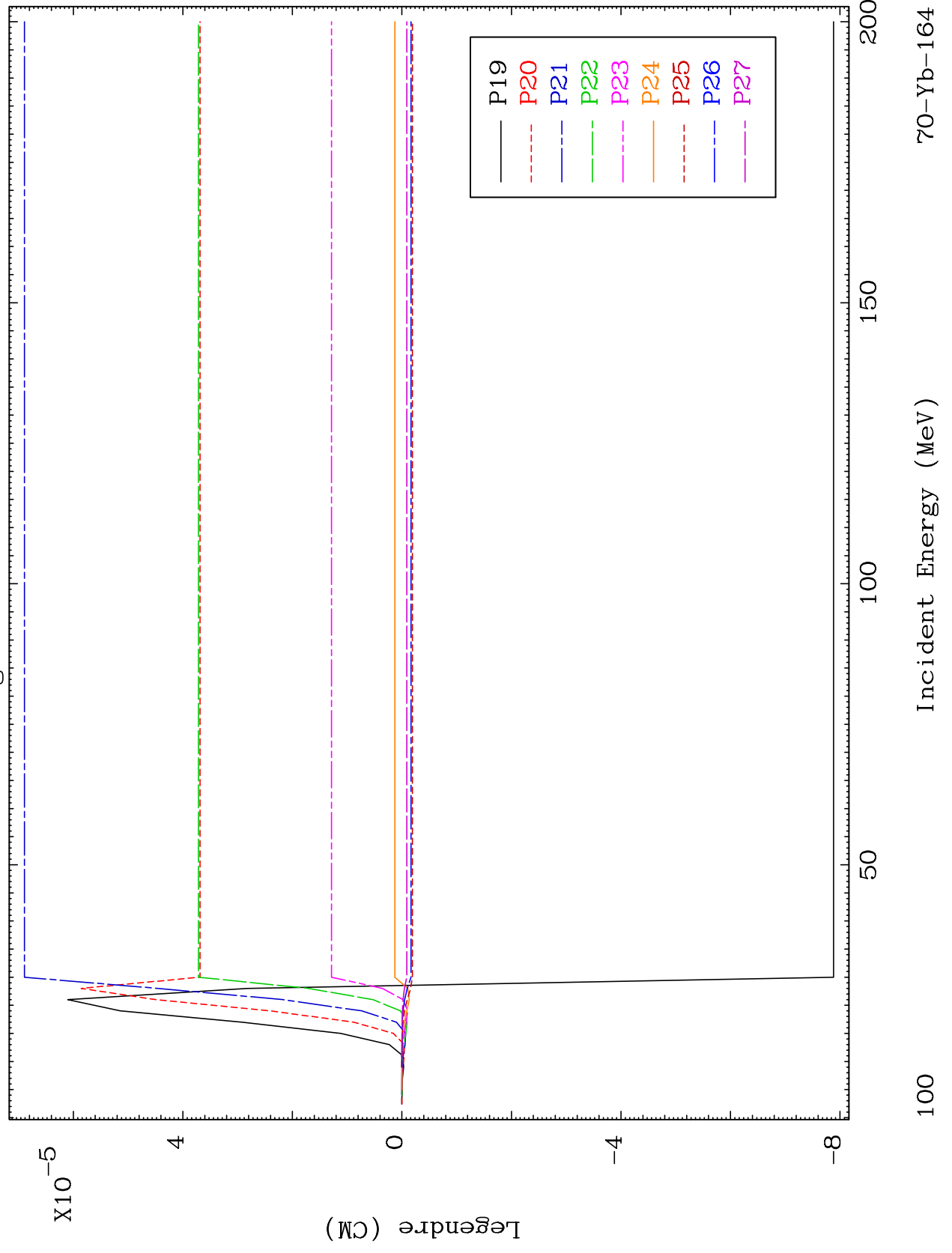
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



70-Yb-164

Incident Energy (MeV)

100

50

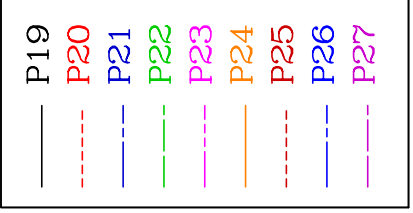
100

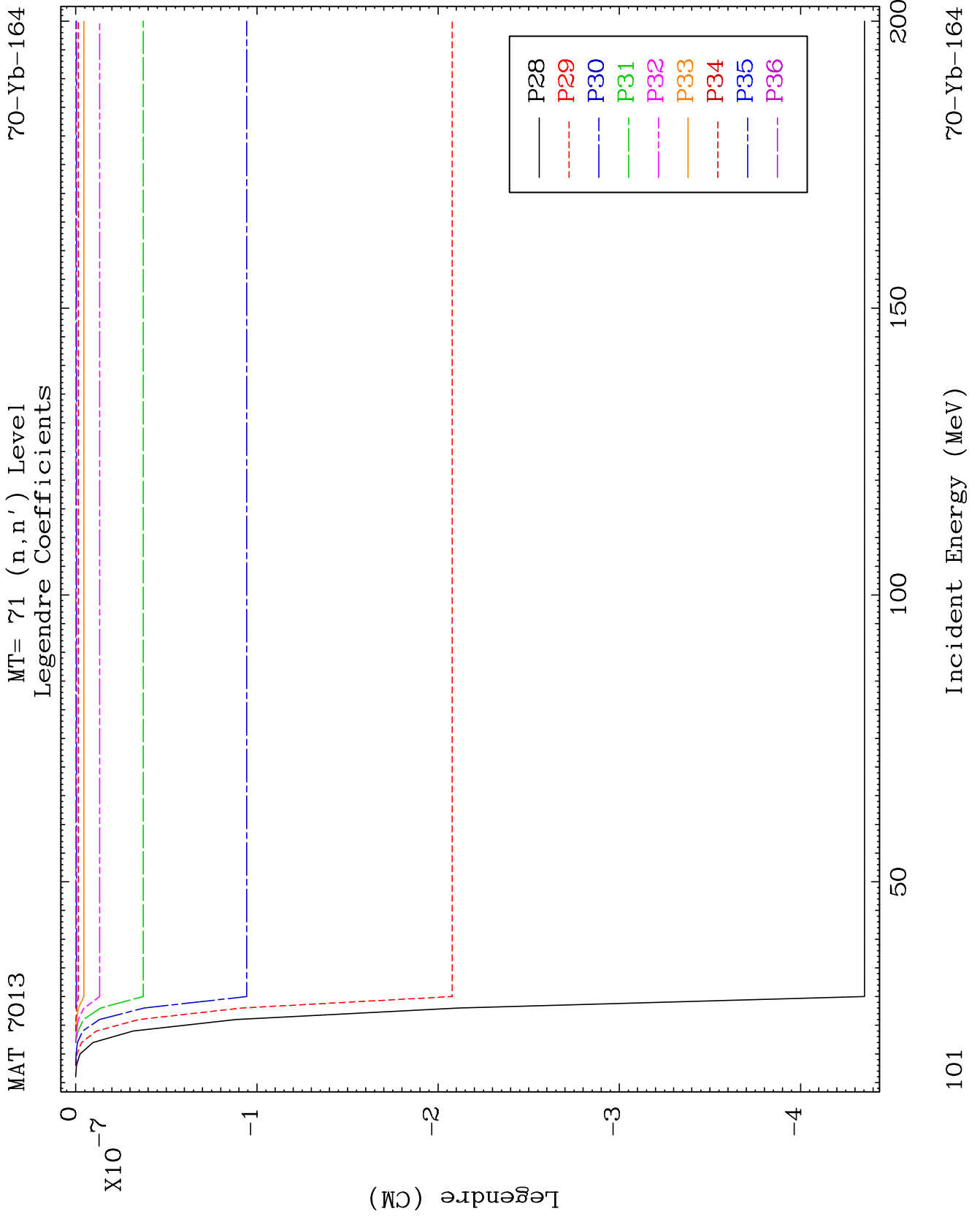
150

200

$10^{-5}$

Legendre (CM)

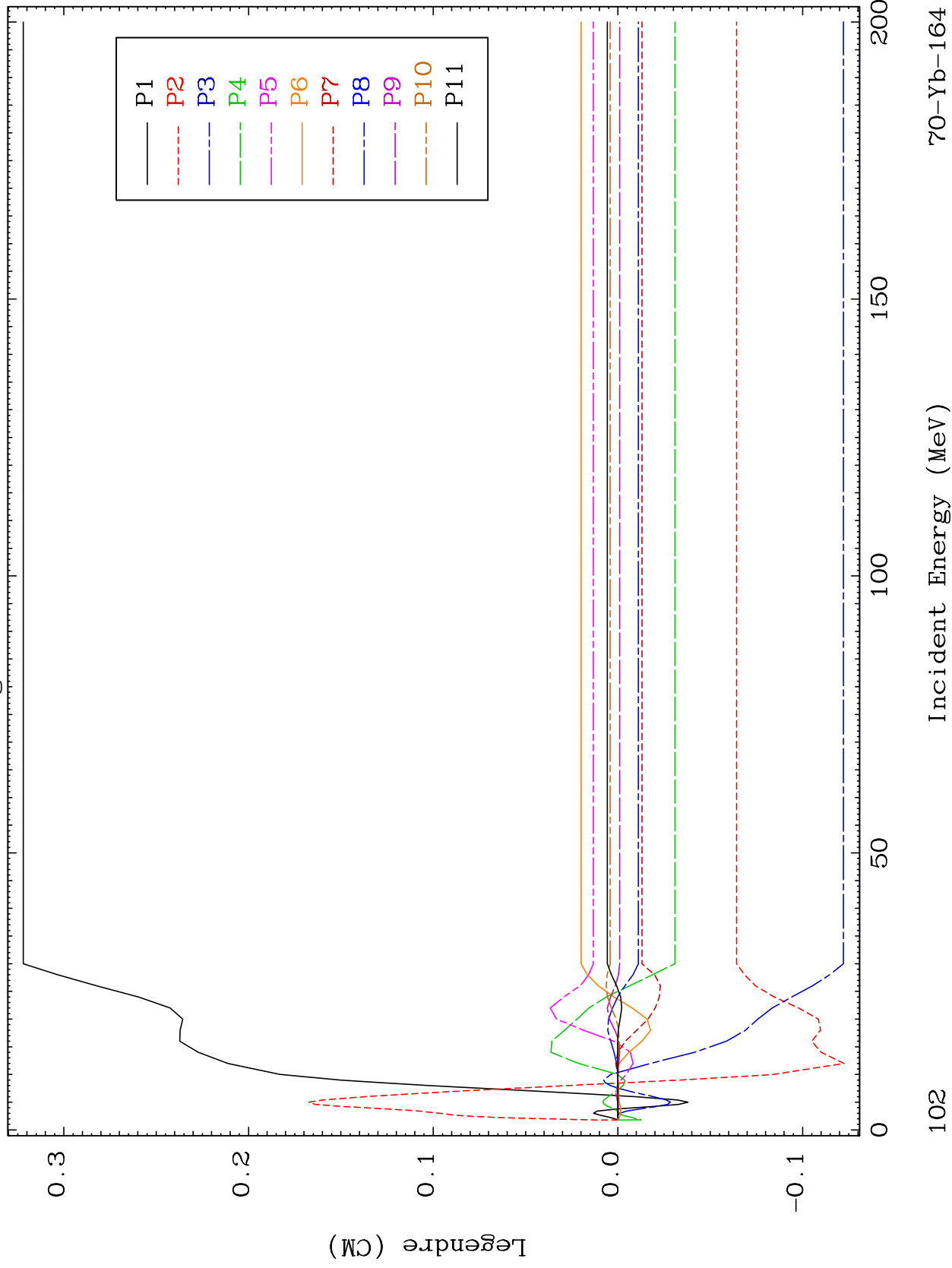




MAT 7013

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

70-Yb-164



70-Yb-164

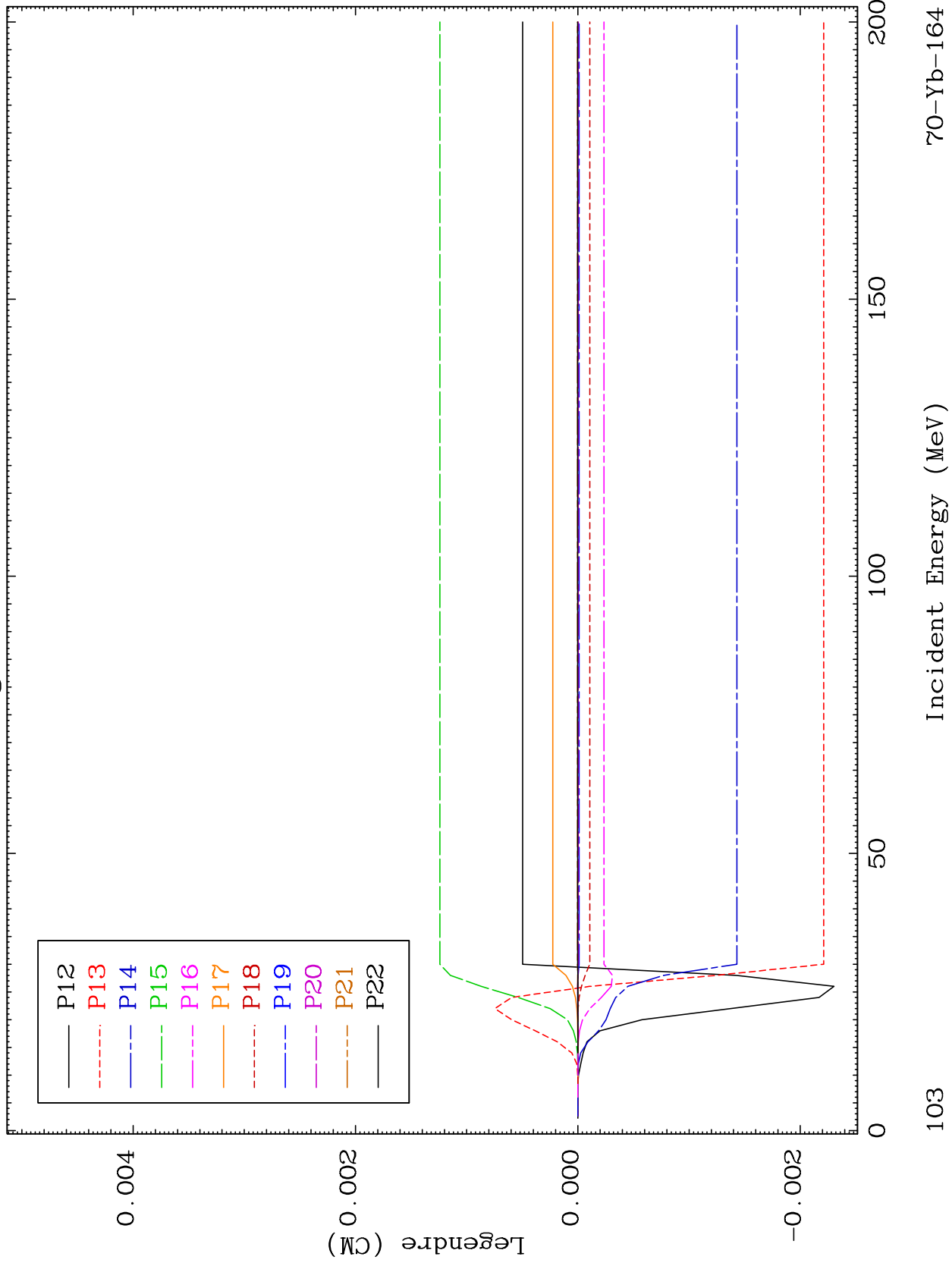
Incident Energy (MeV)

102

MAT 7013

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

70-Yb-164



103

Incident Energy (MeV)

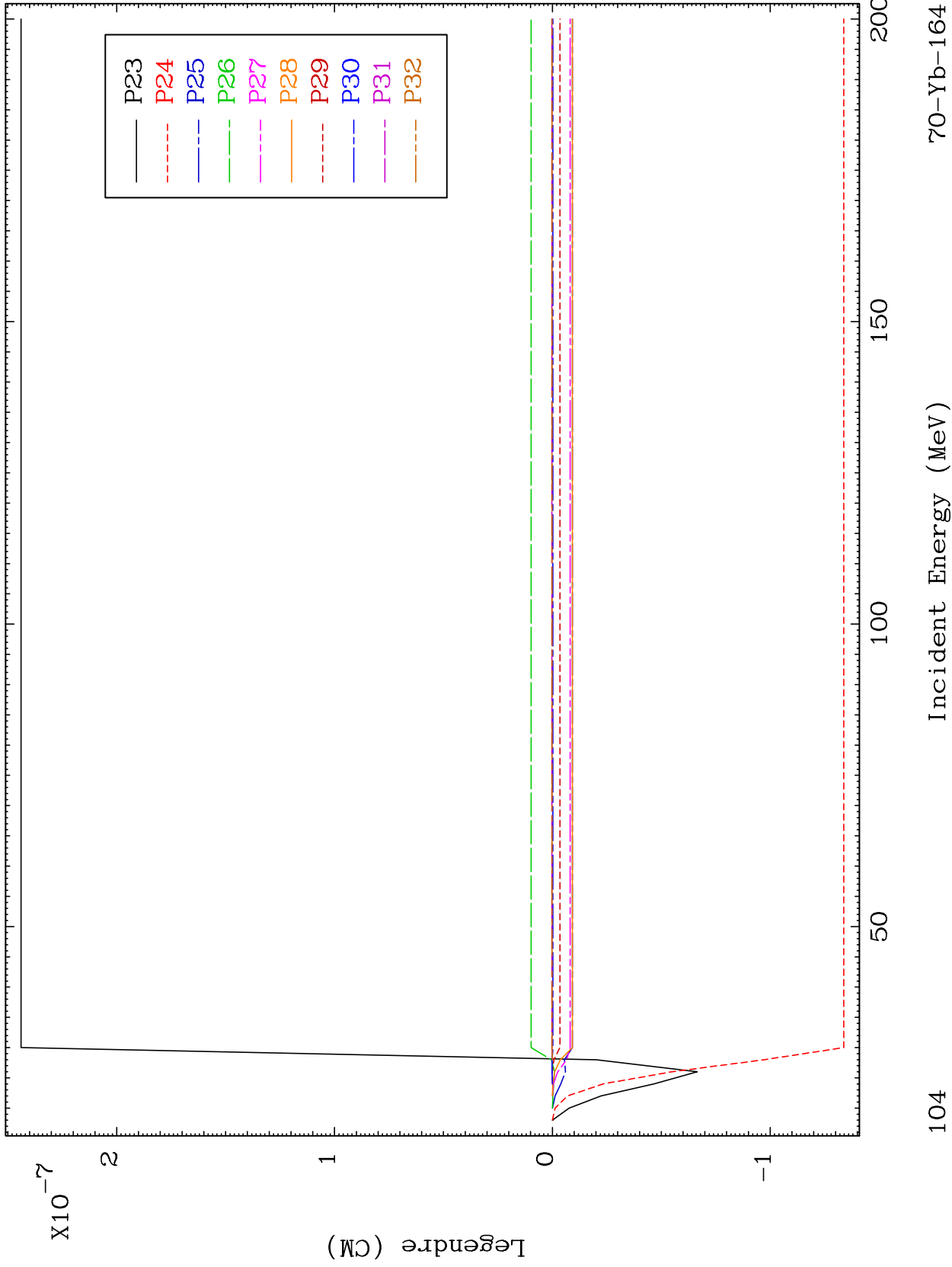
70-Yb-164



MAT 7013

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

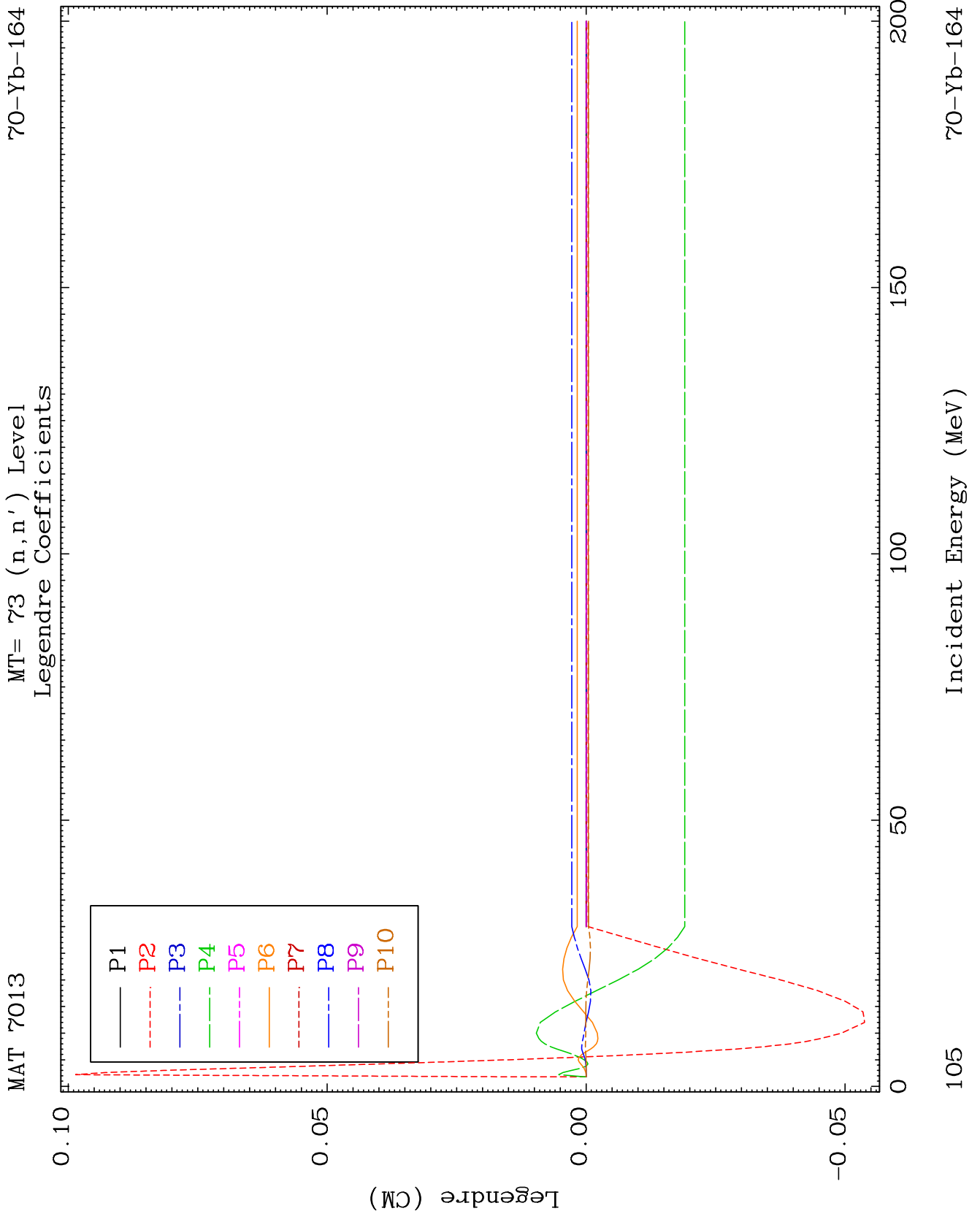
70-Yb-164



104

Incident Energy (MeV)

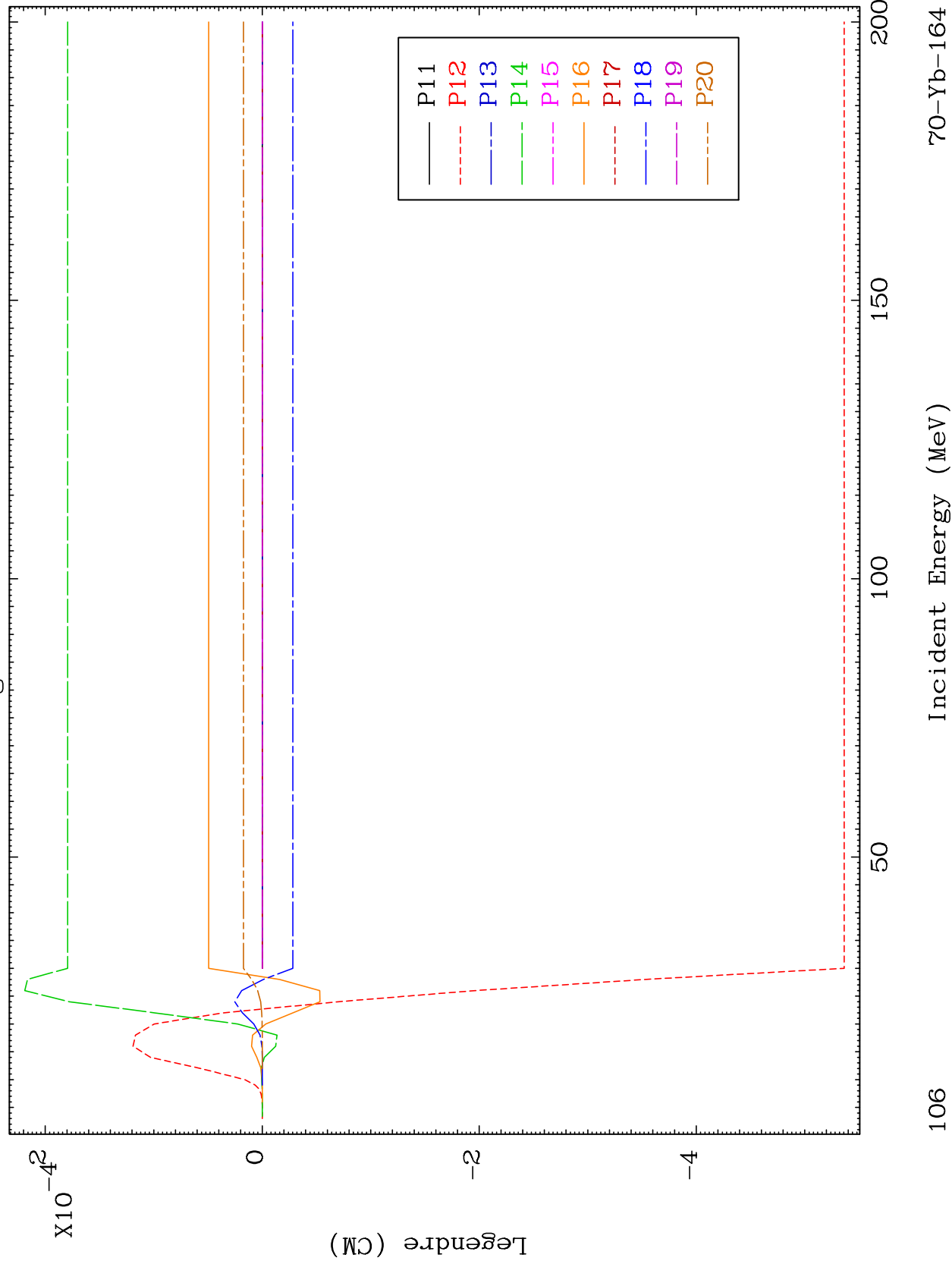
70-Yb-164



MAT 7013

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

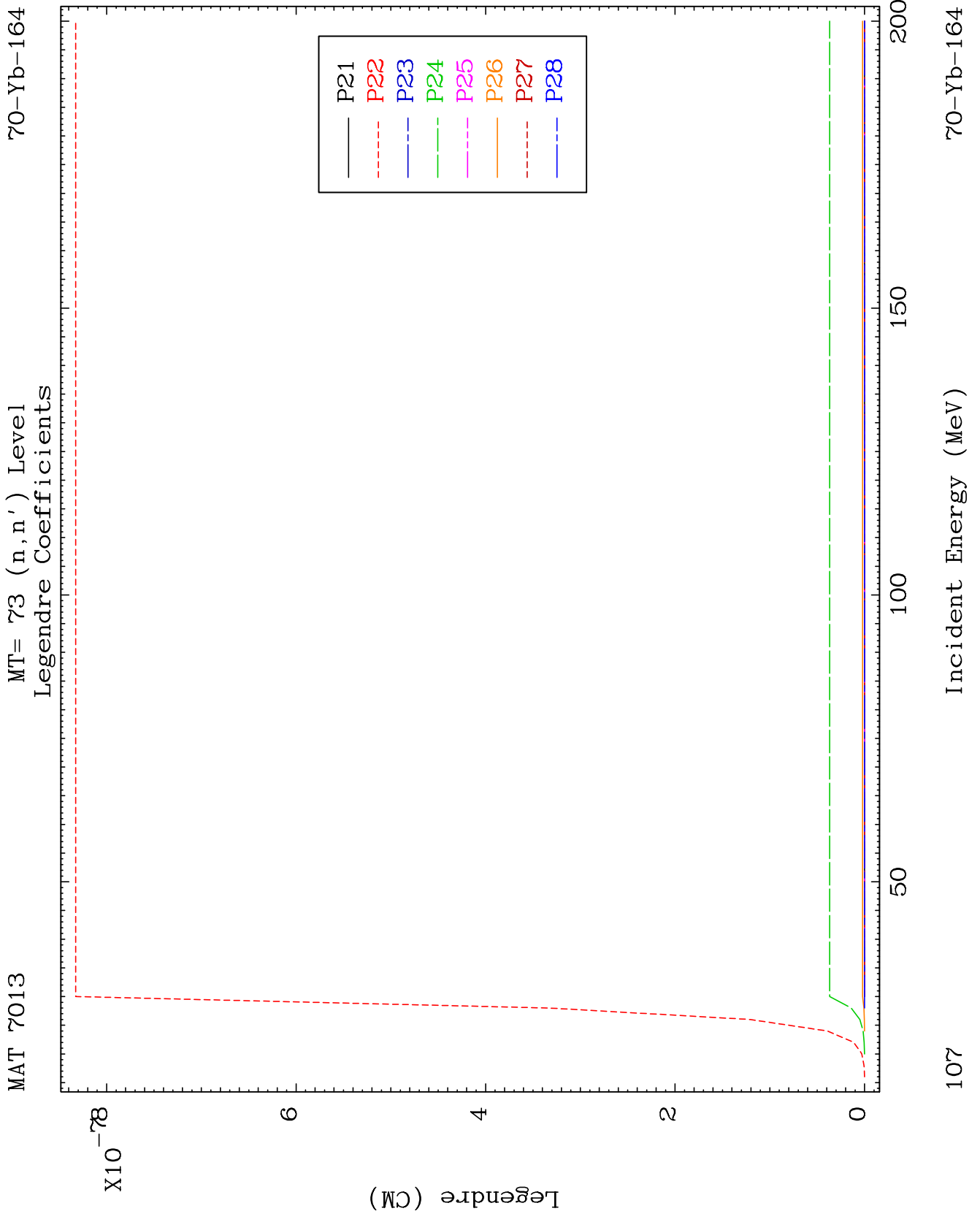
70-Yb-164

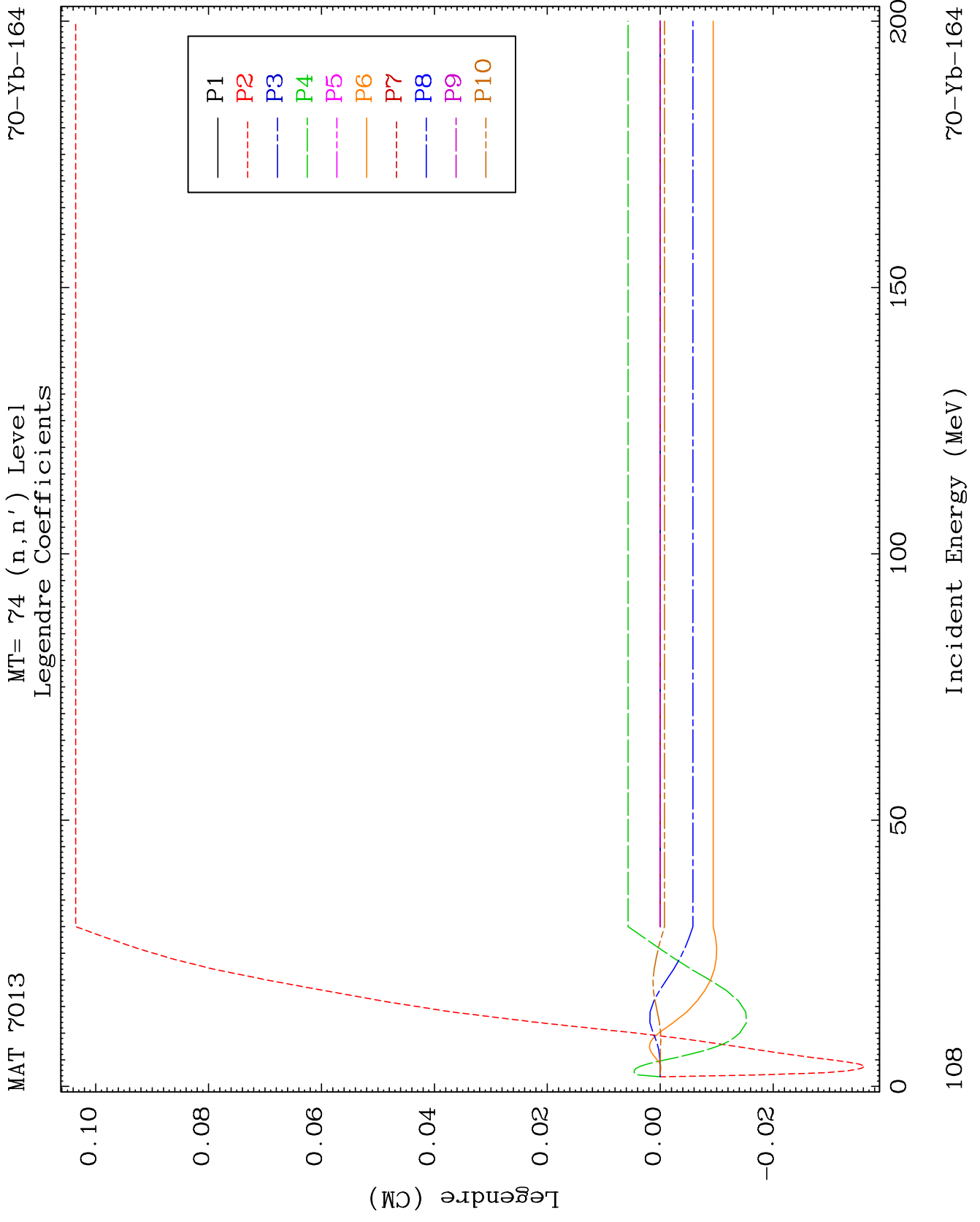


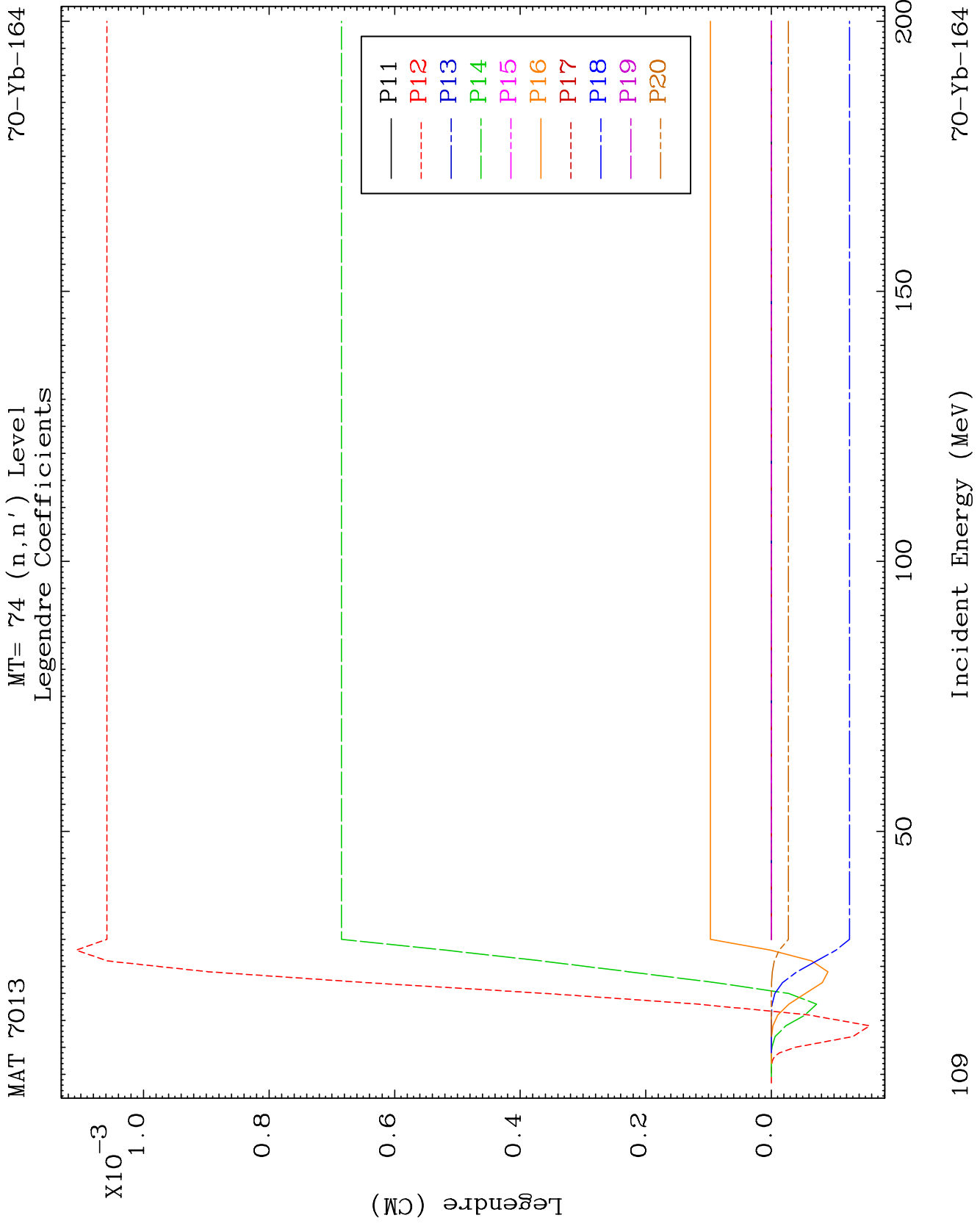
106

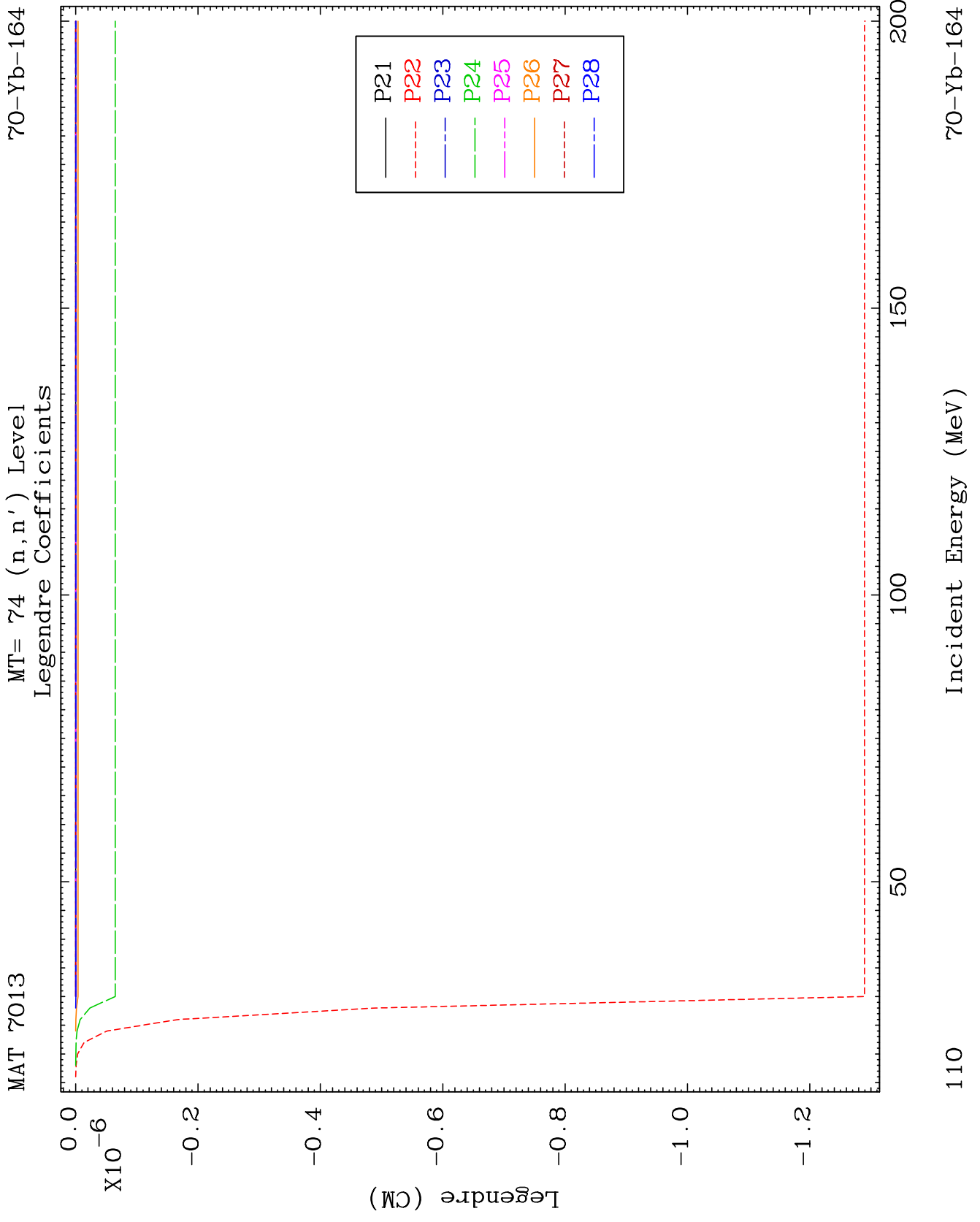
Incident Energy (MeV)

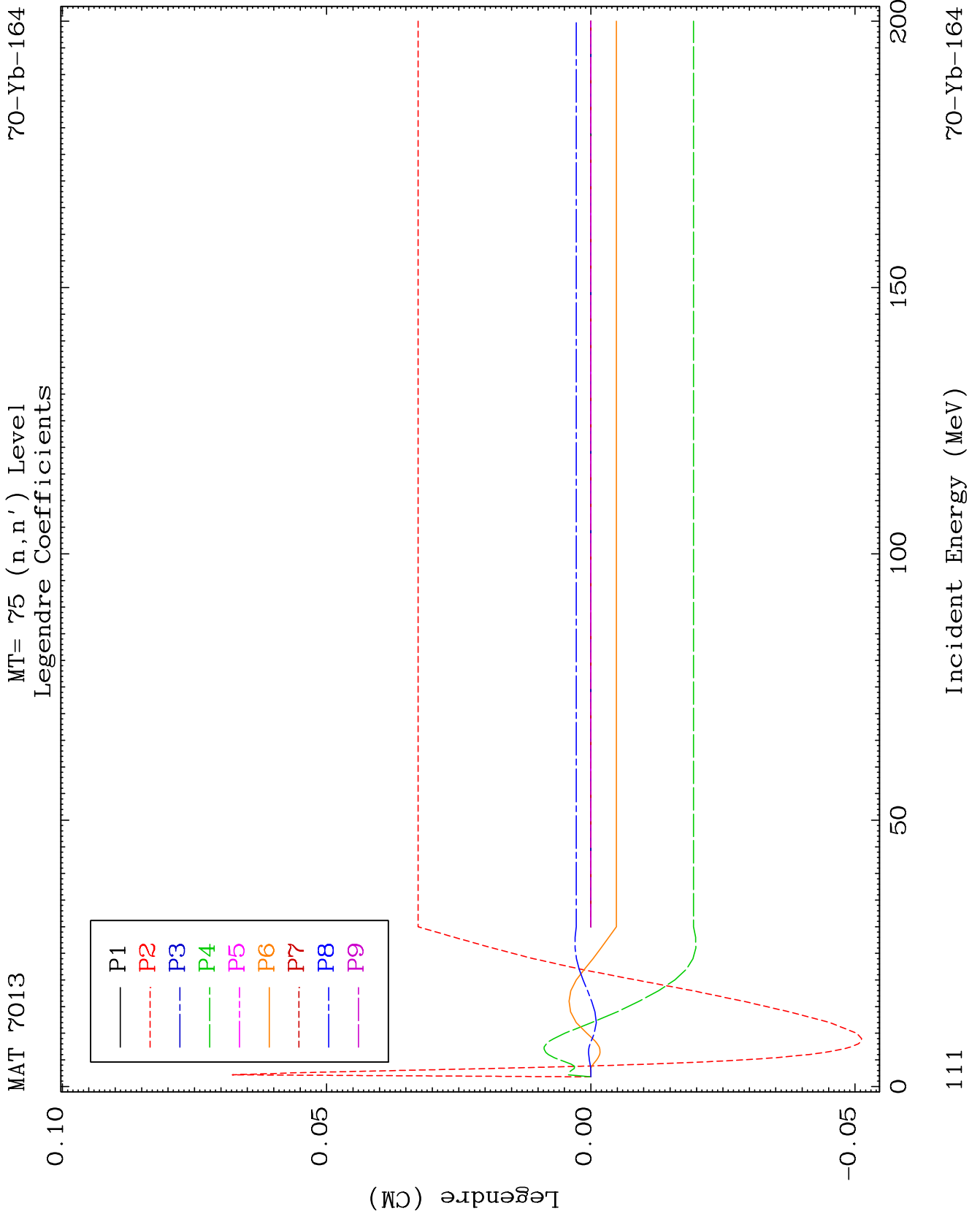
70-Yb-164









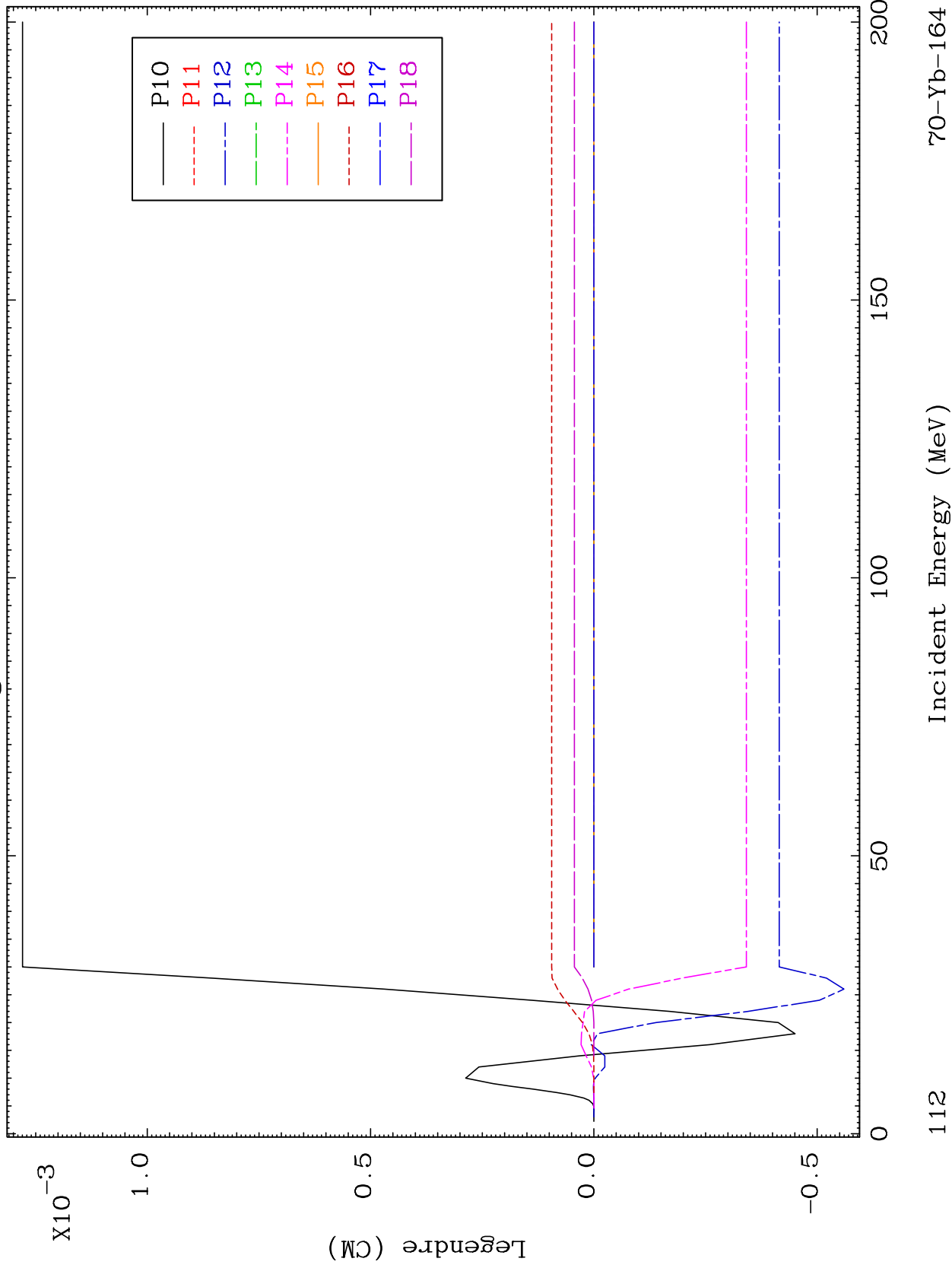


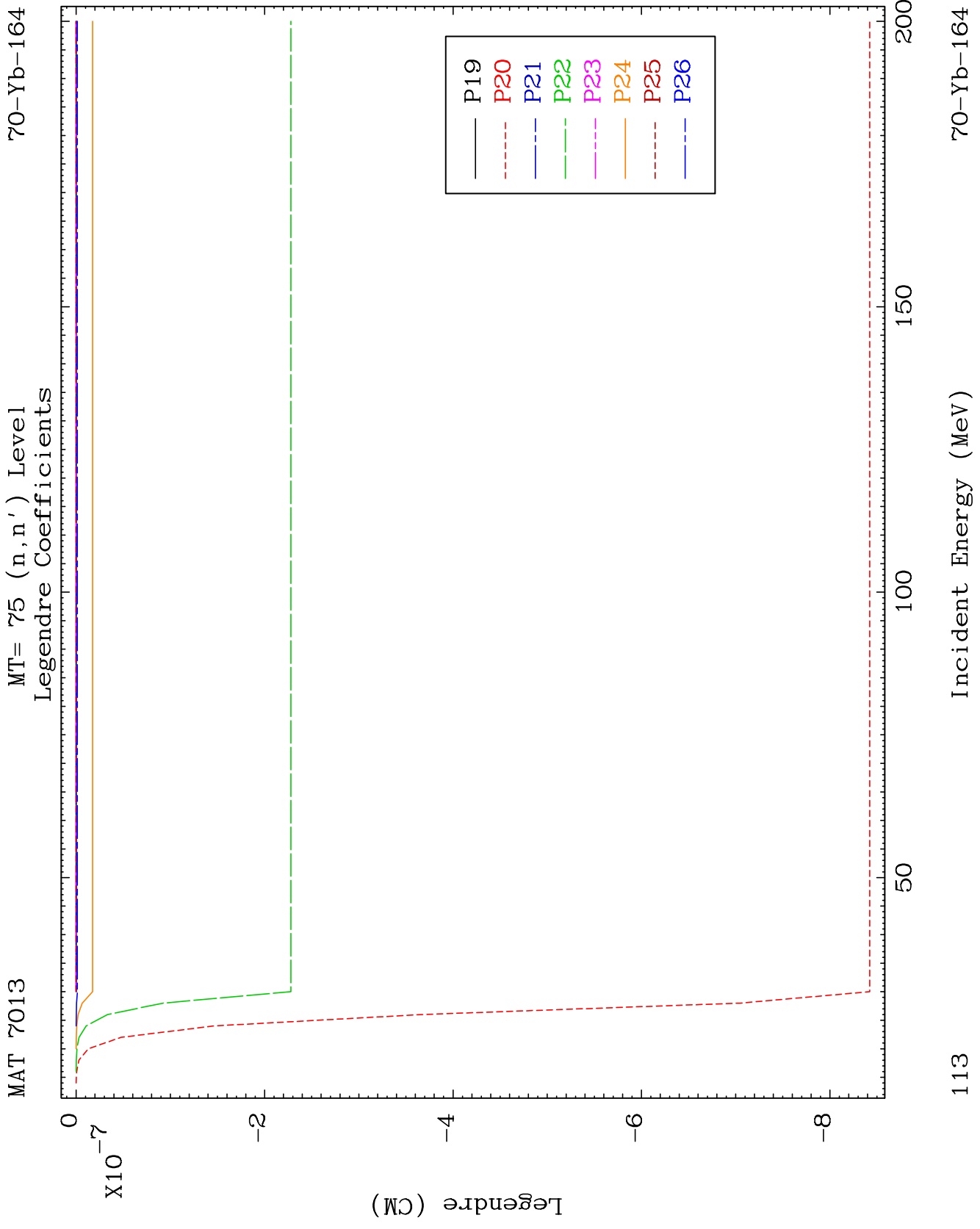


MAT 7013

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

70-Yb-164

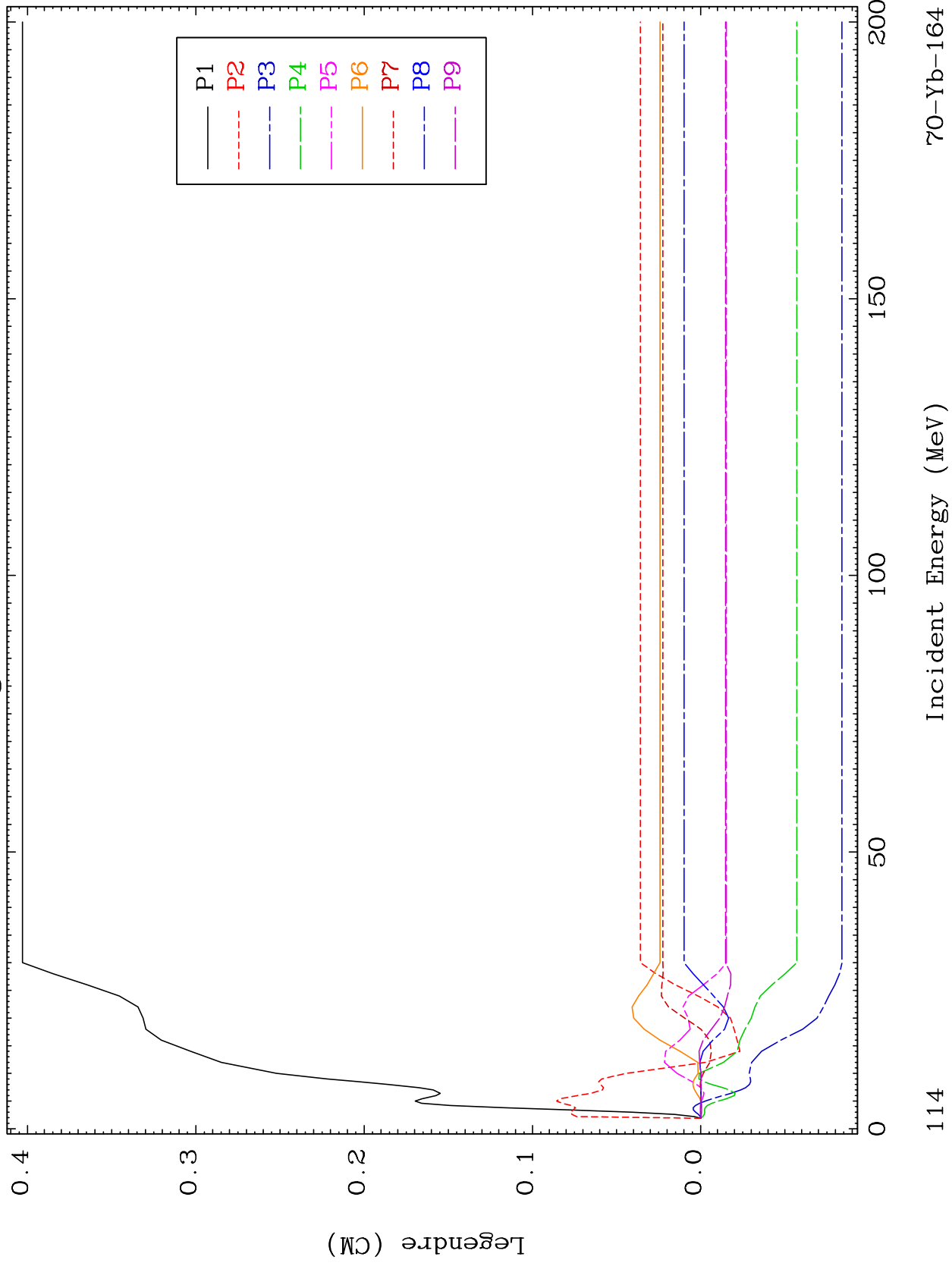




MAT 7013

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

70-Yb-164



114

Incident Energy (MeV)

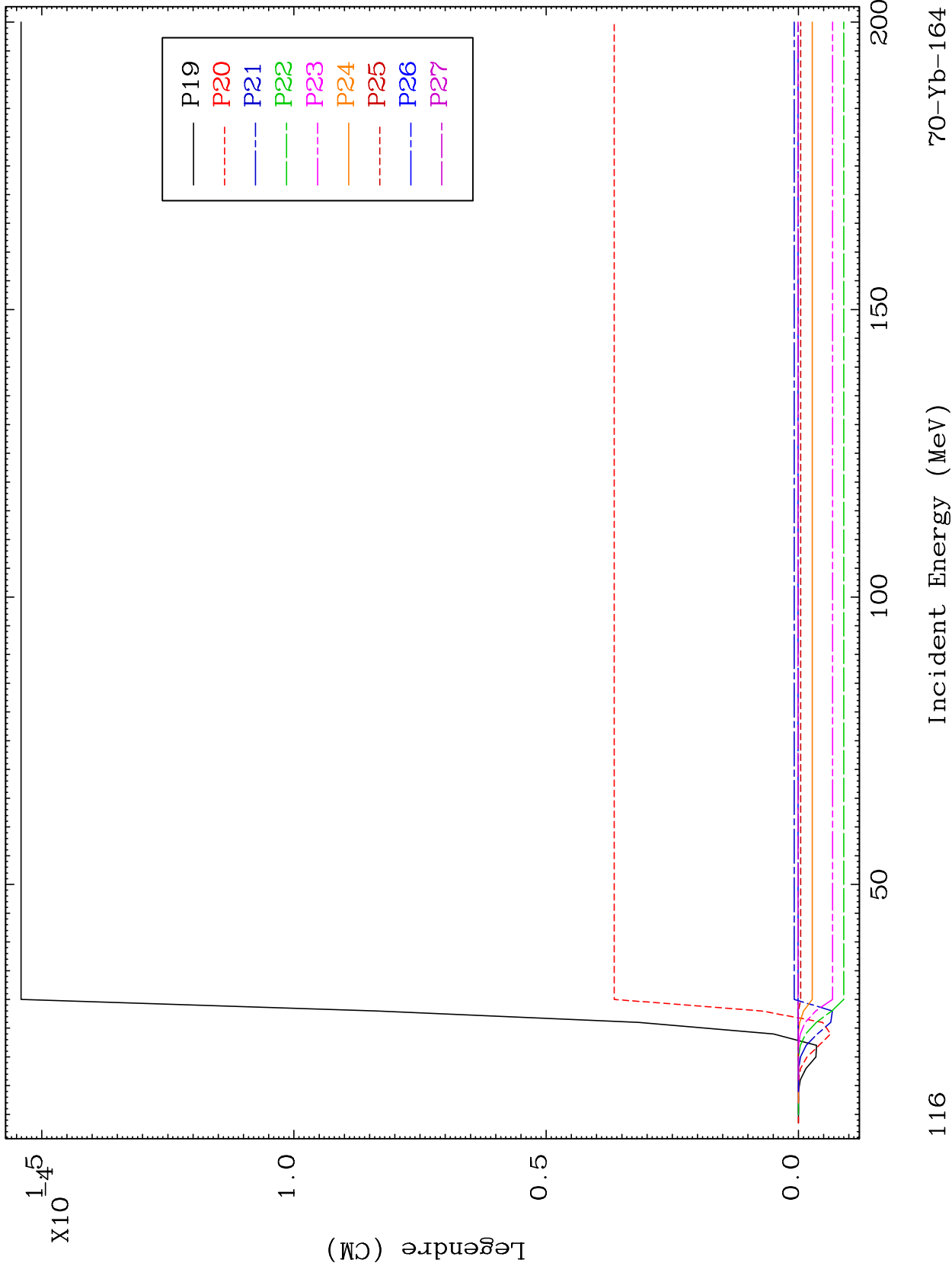
70-Yb-164



MAT 7013

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

70-Yb-164



116

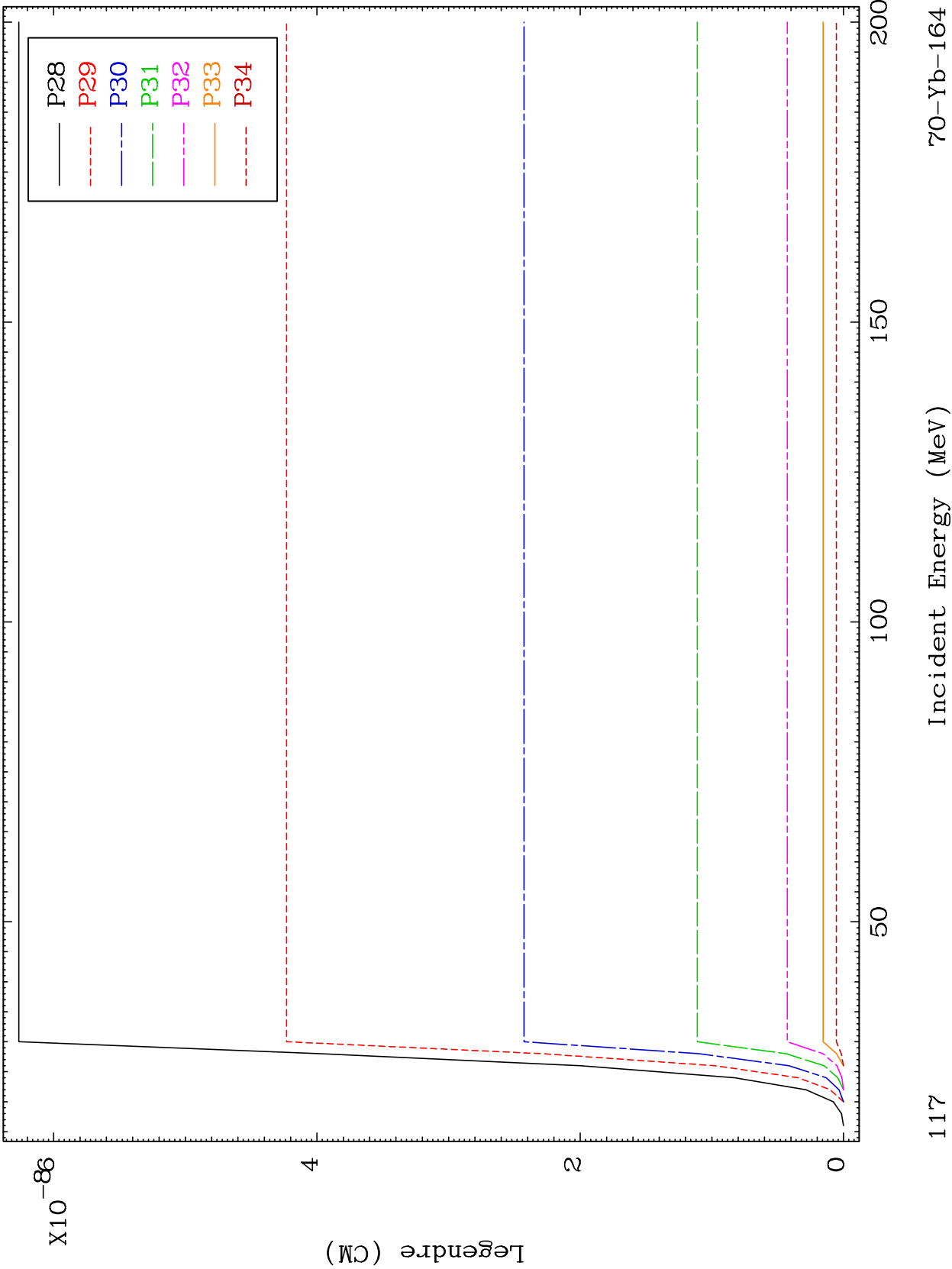
Incident Energy (MeV)

70-Yb-164

MAT 7013

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

70-Yb-164



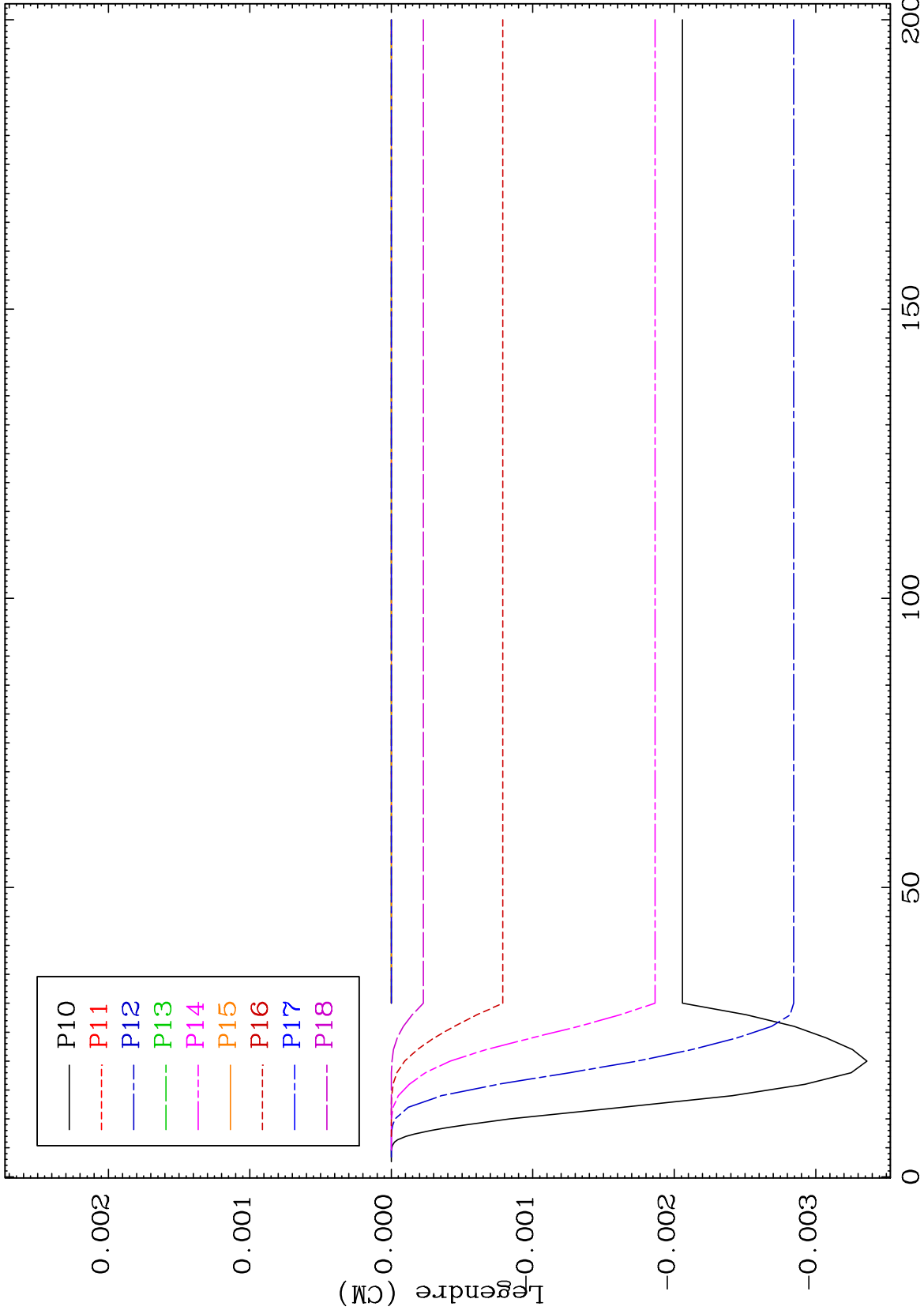
117



MAT 7013

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

70-Yb-164

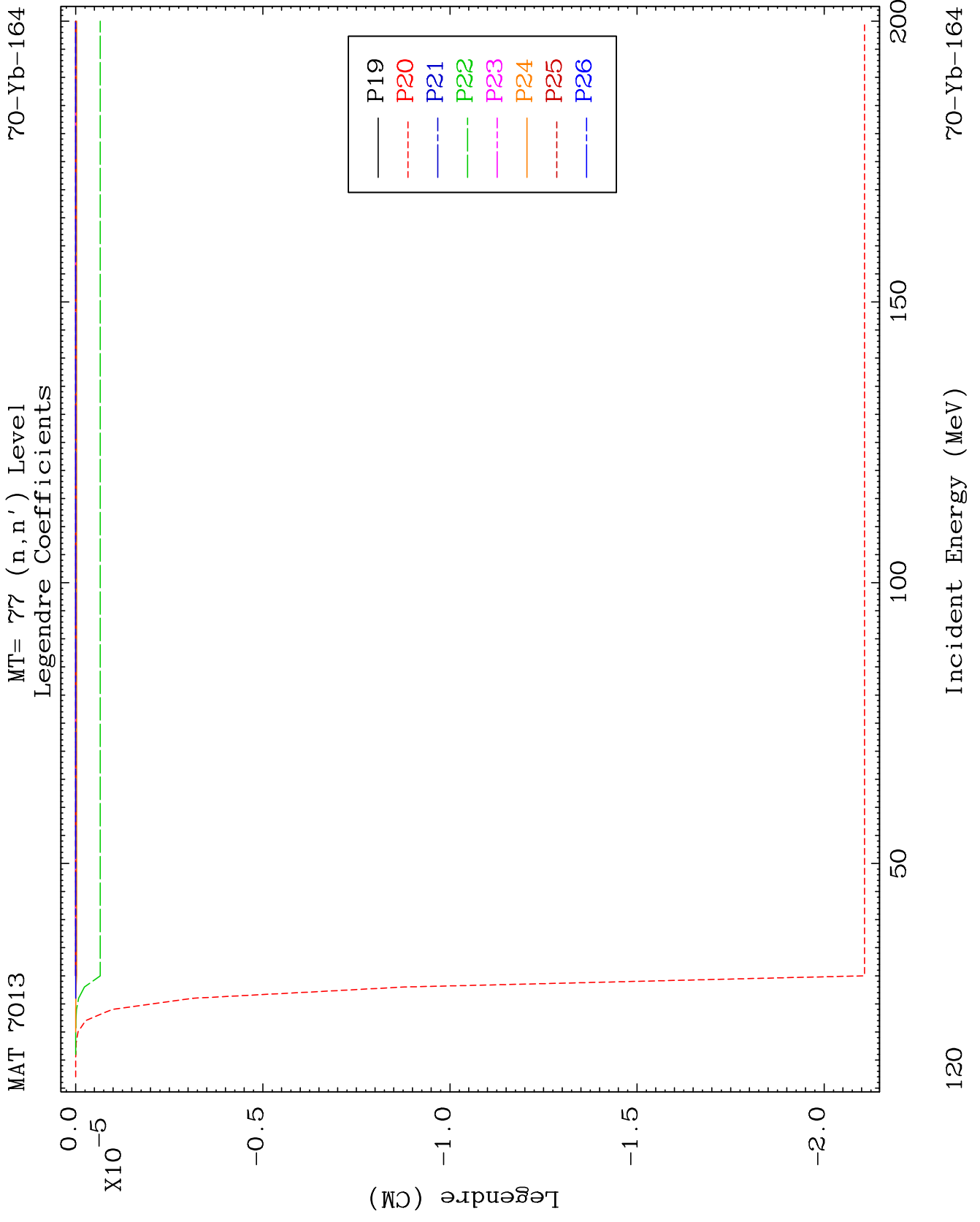


119

Incident Energy (MeV)

70-Yb-164



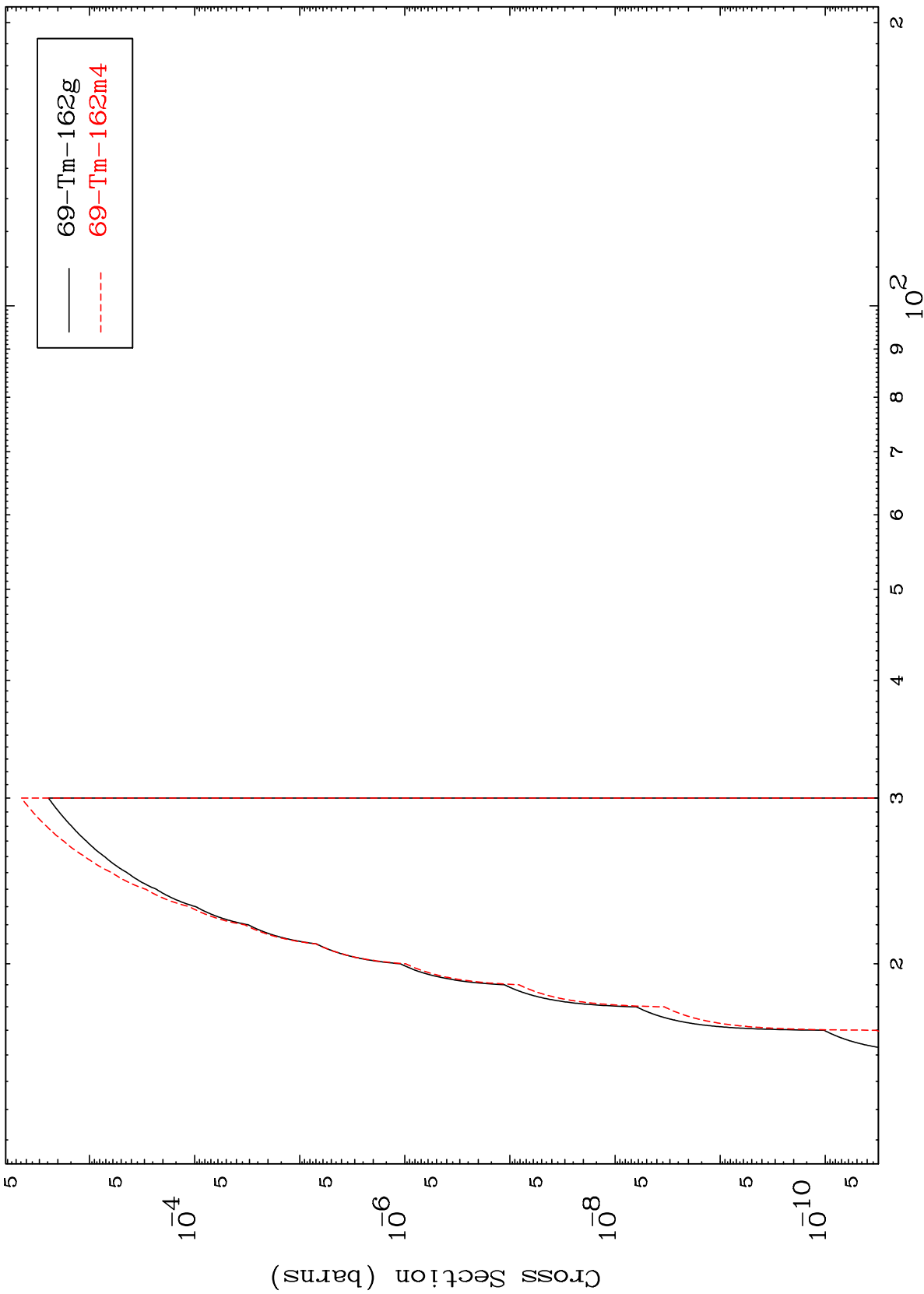


MAT 7013

(n,n') d

70-Yb-164

Radionuclide Production Cross Section



121

Incident Energy (MeV)

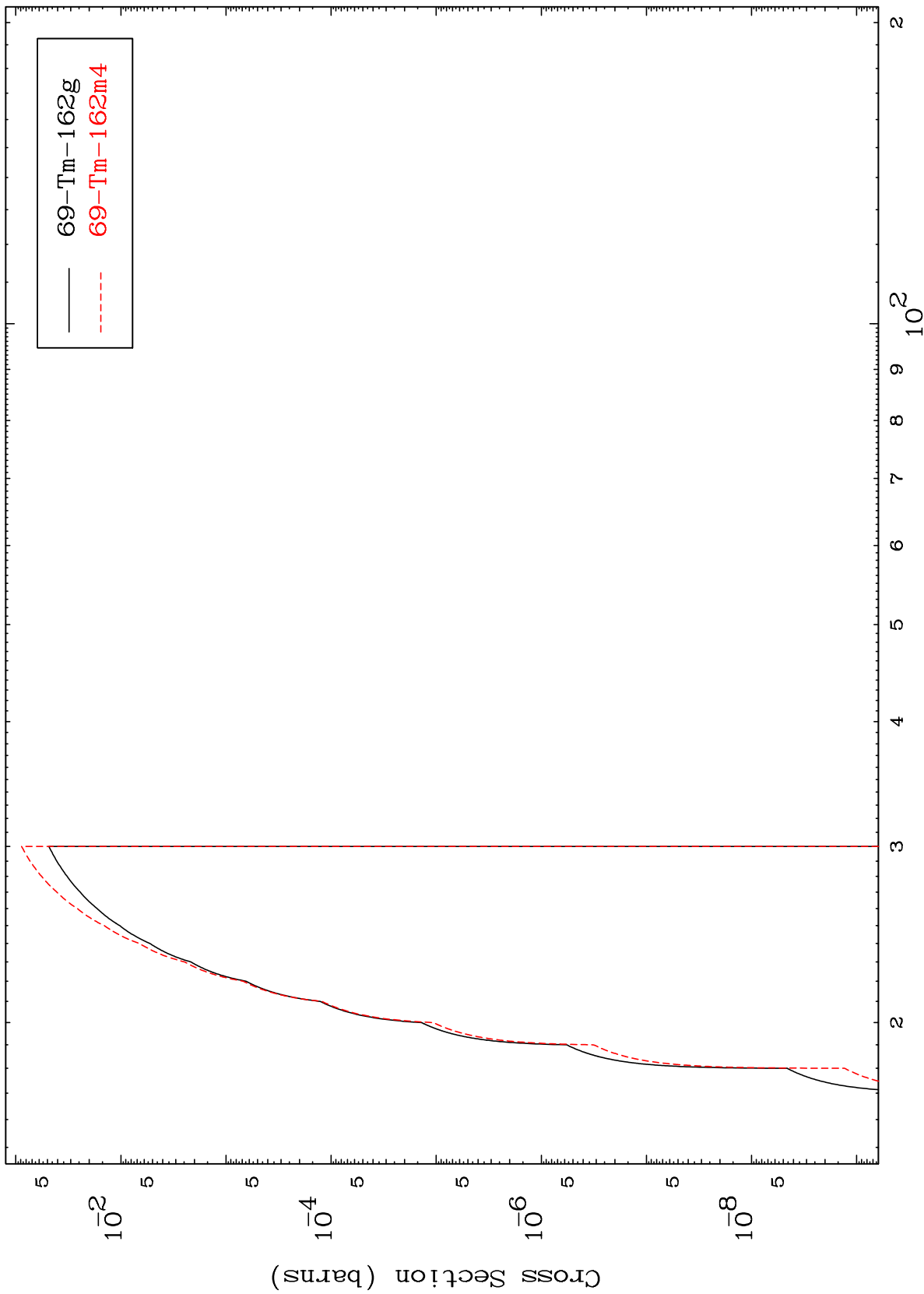
70-Yb-164

MAT 7013

(n,2n) p

70-Yb-164

Radionuclide Production Cross Section



122

Incident Energy (MeV)

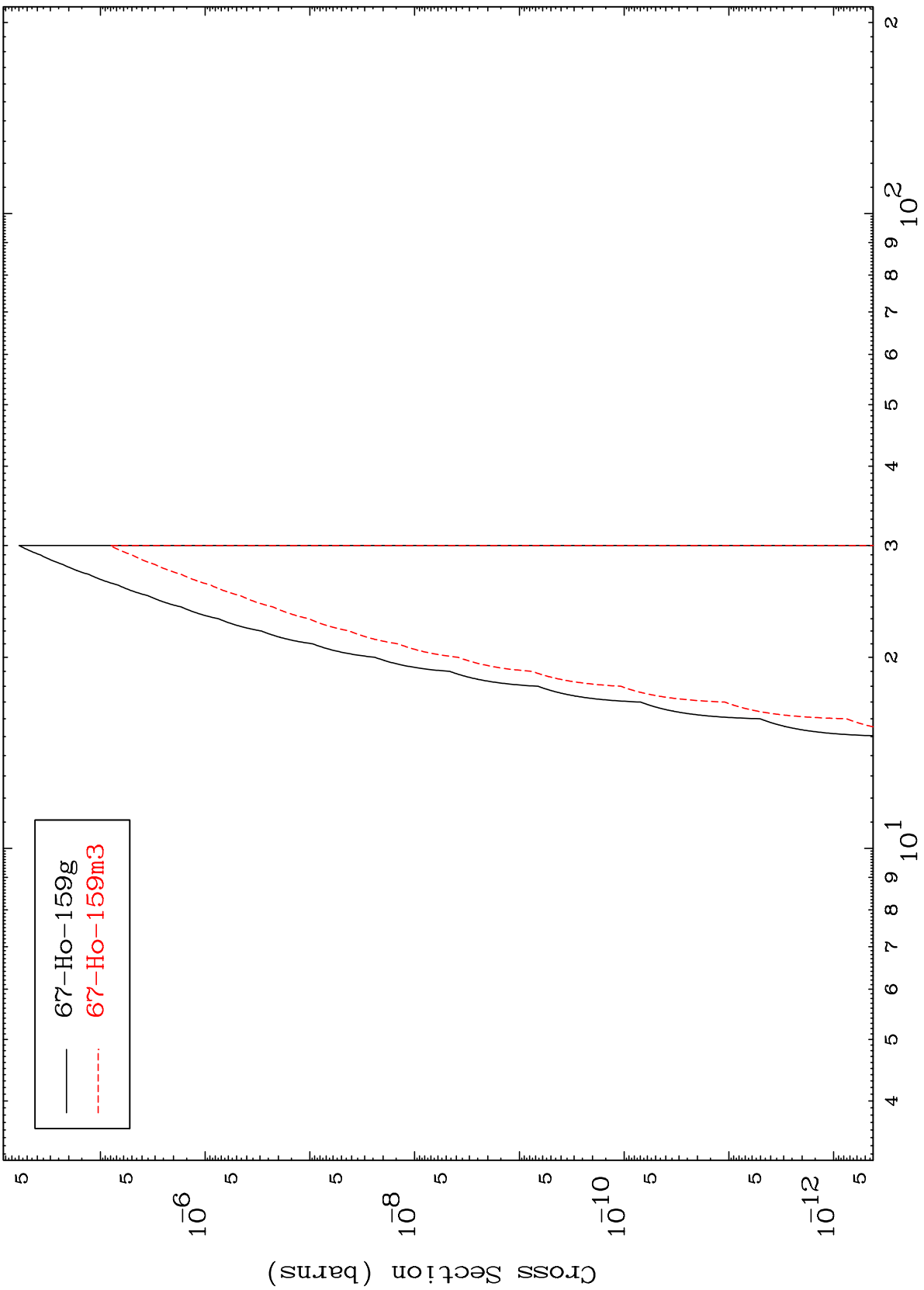
70-Yb-164

MAT 7013

(n,n') p  $\alpha$

70-Yb-164

Radionuclide Production Cross Section



123

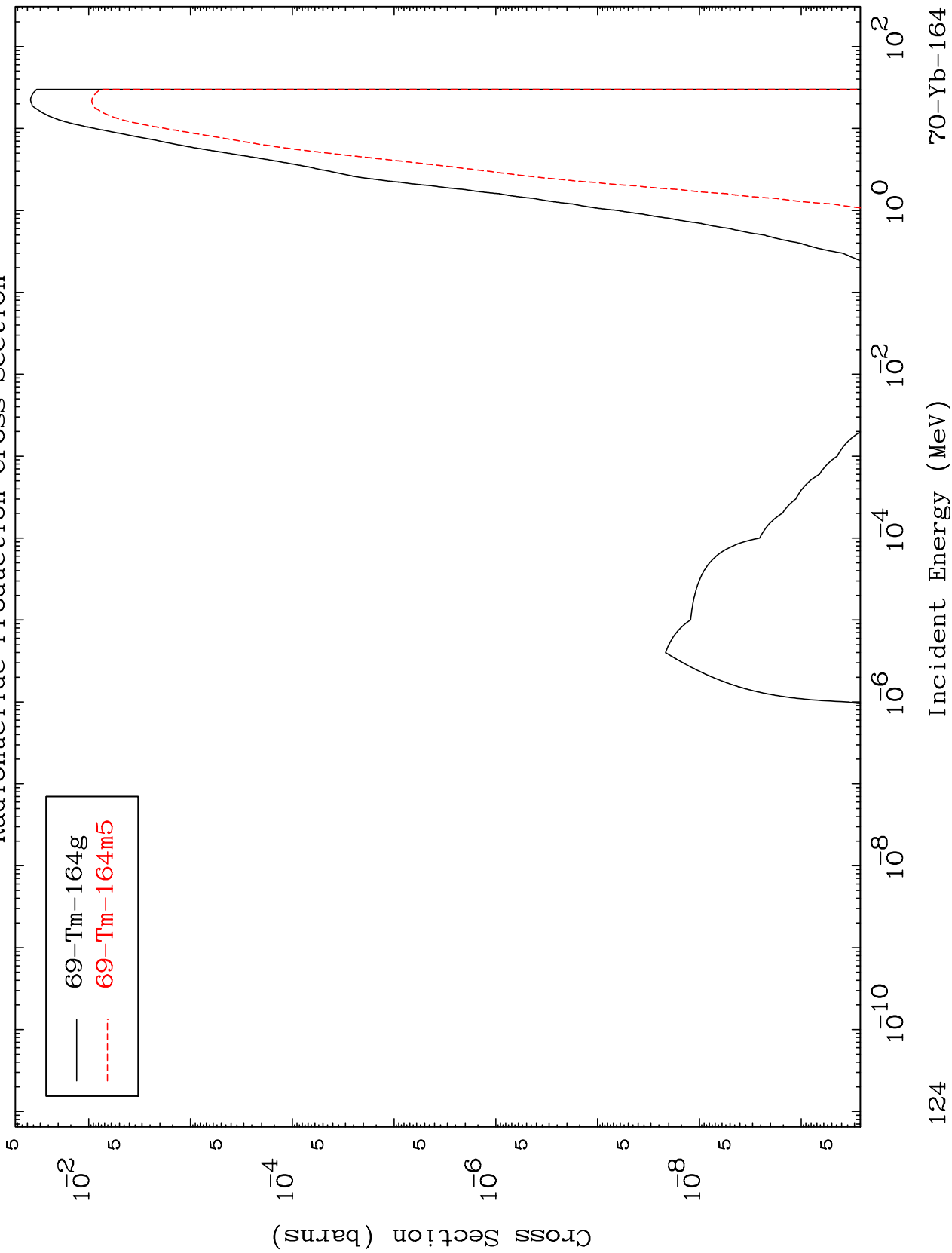
Incident Energy (MeV)

70-Yb-164

MAT 7013

(n,p)  
Radionuclide Production Cross Section

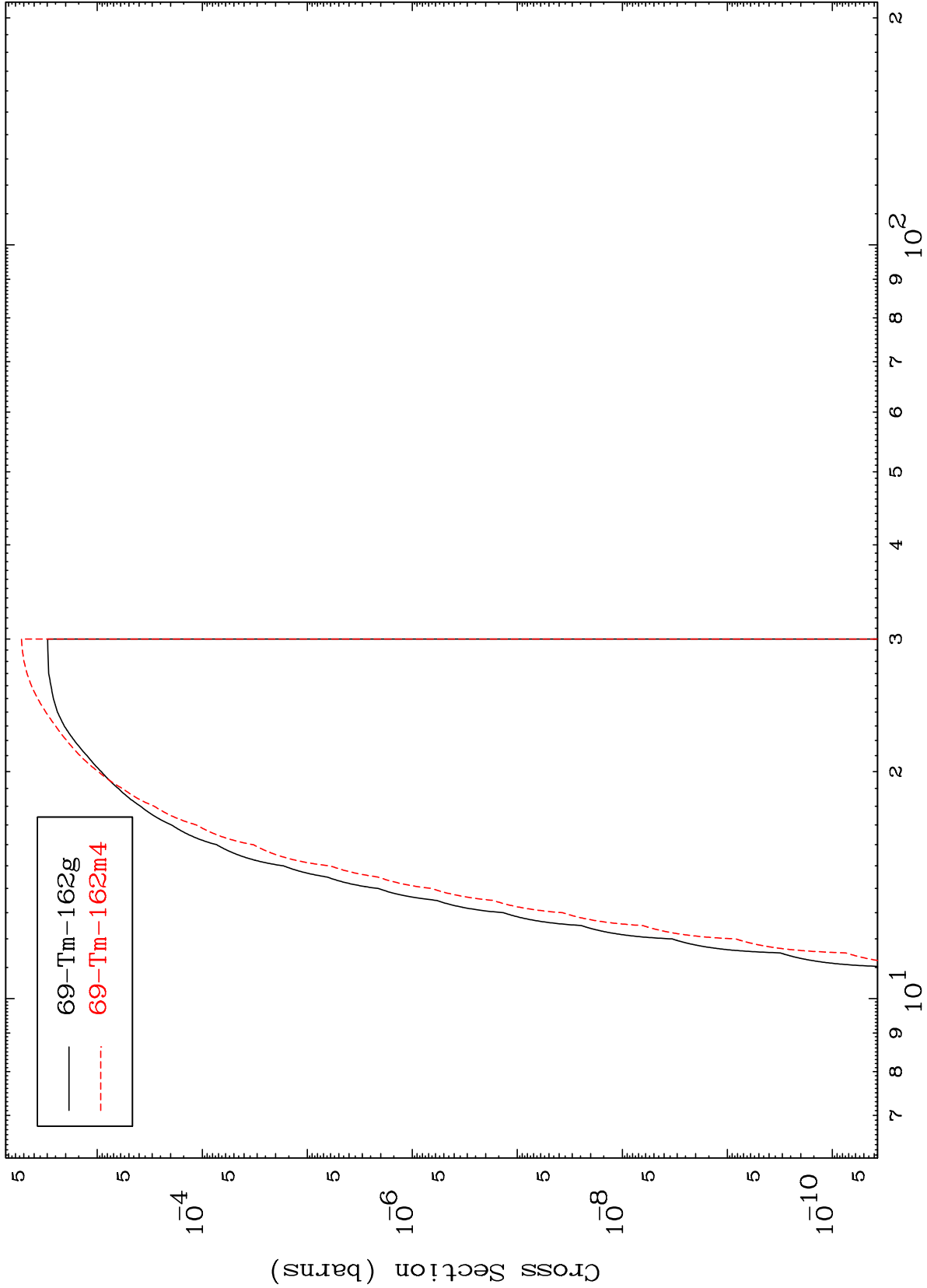
70-Yb-164



MAT 7013

70-Yb-164

(n,t)  
Radionuclide Production Cross Section



125

Incident Energy (MeV)

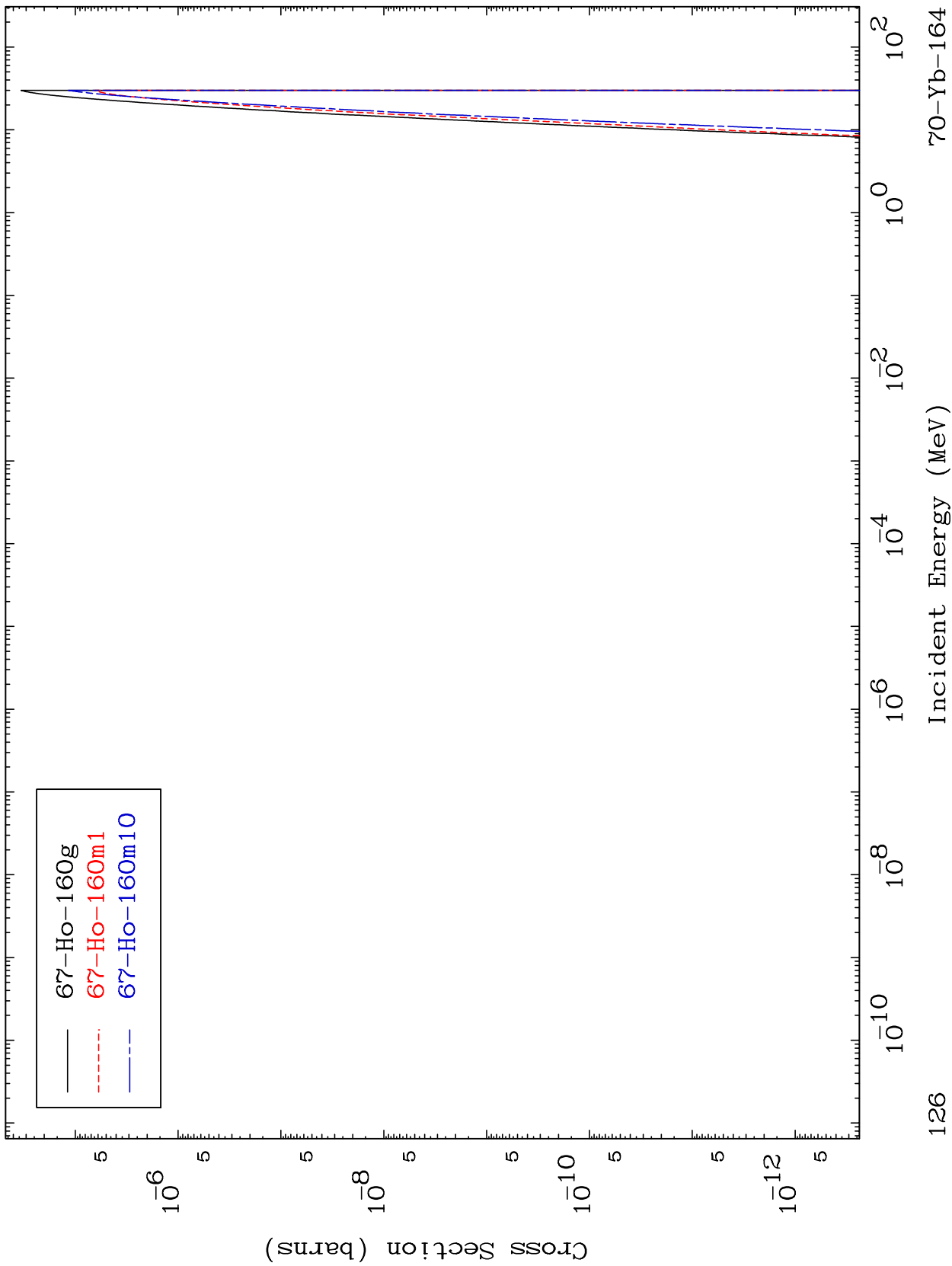
70-Yb-164

MAT 7013

(n,p)  $\alpha$

70-Yb-164

Radionuclide Production Cross Section

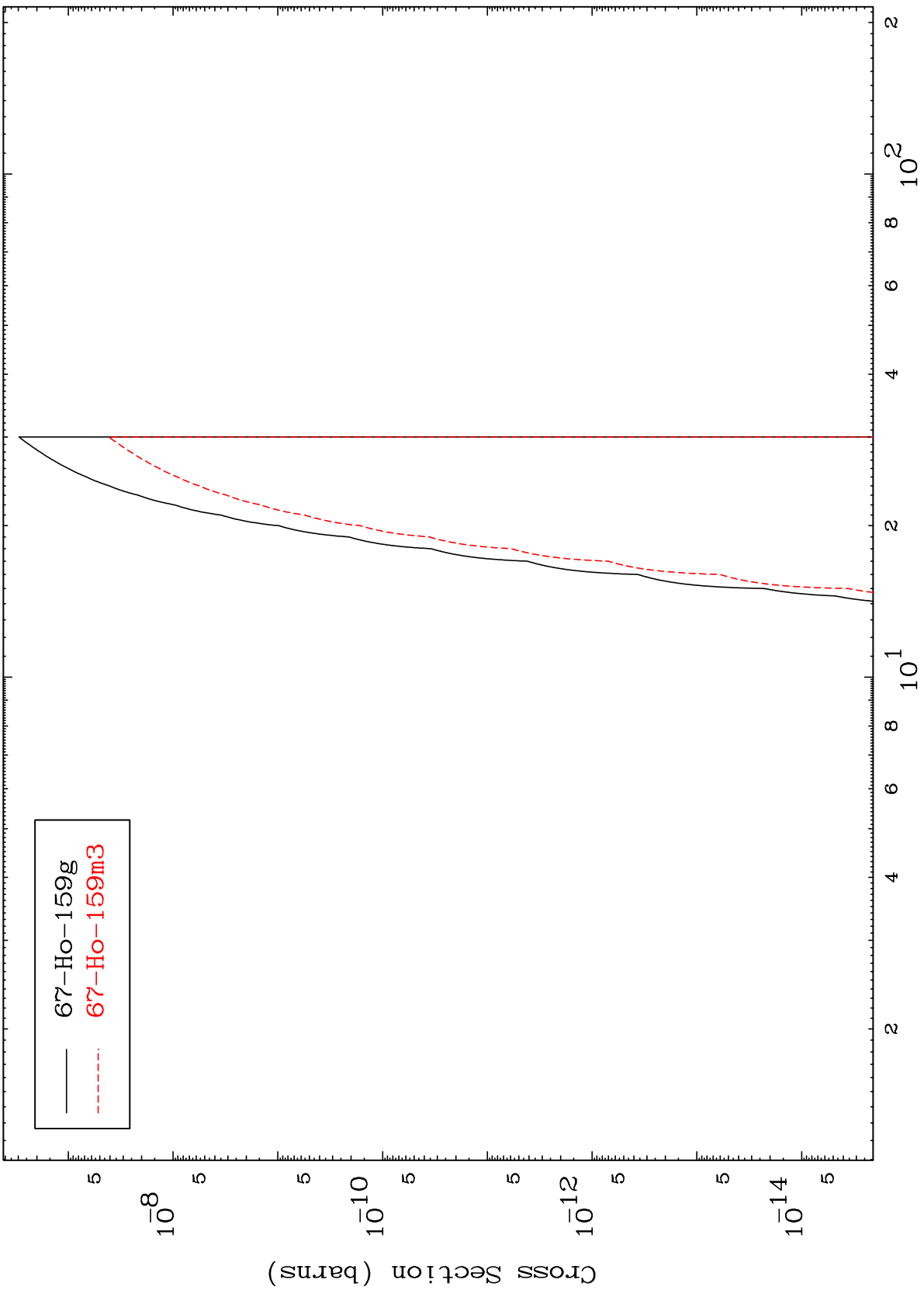


MAT 7013

(n,d)  $\alpha$

70-Yb-164

Radionuclide Production Cross Section



127

Incident Energy (MeV)

70-Yb-164