

Program EVALPLOT  
(Version 2017-1)

by

Dermott E. Cullen  
(Present Contact Information)

Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

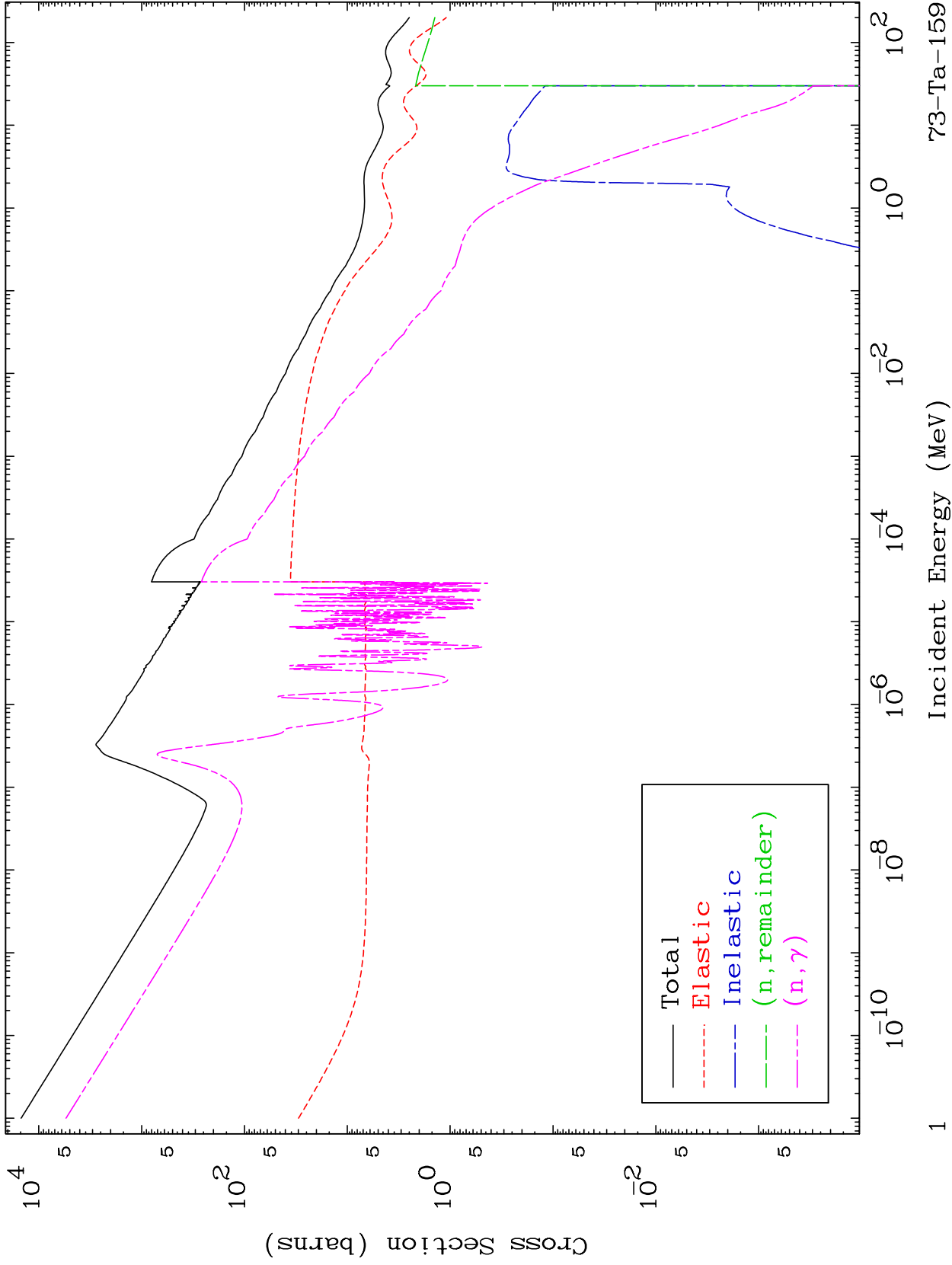
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7262

Major  
293 Kelvin Cross Sections

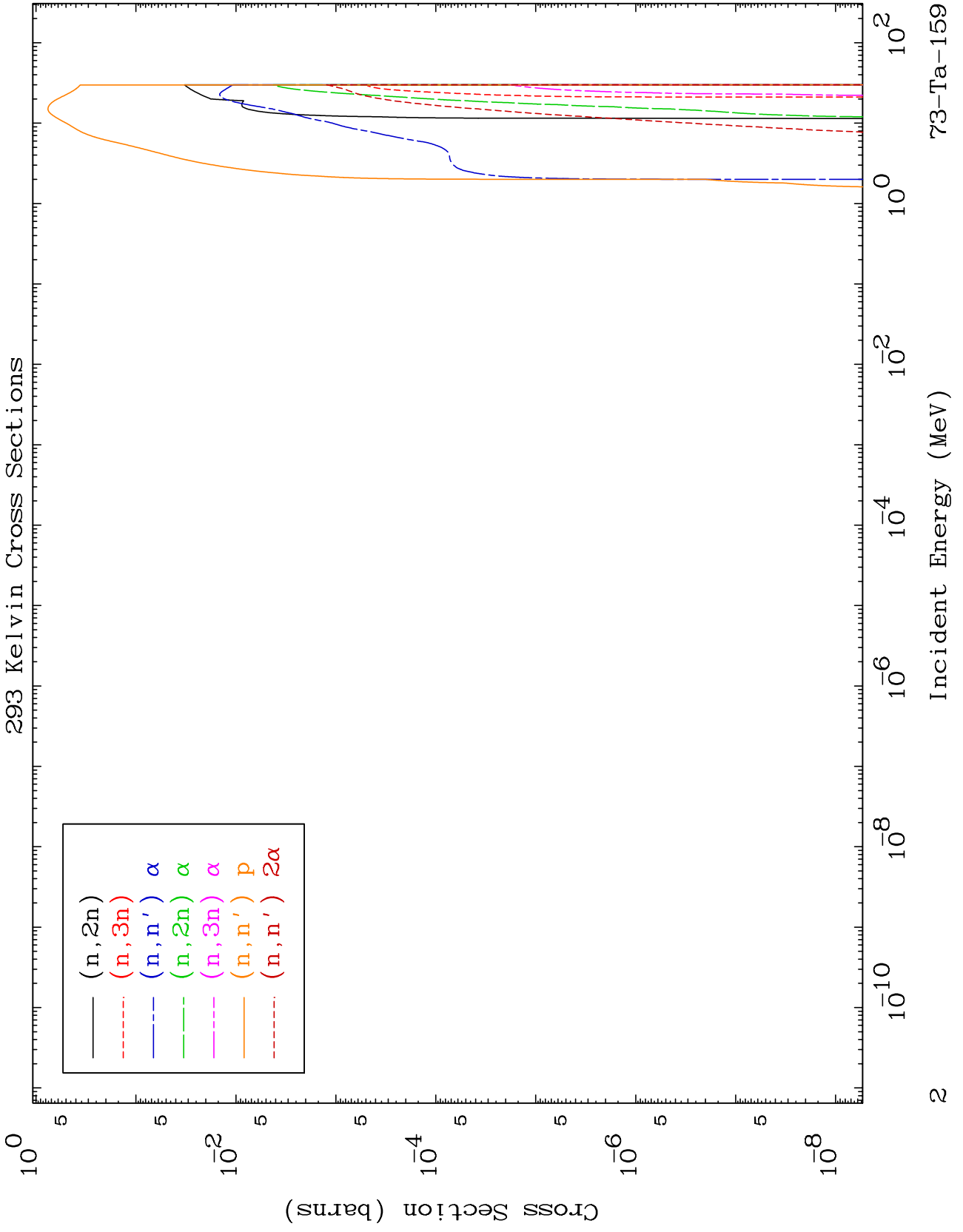
73-Ta-159



MAT 7262

Neutron Production  
293 Kelvin Cross Sections

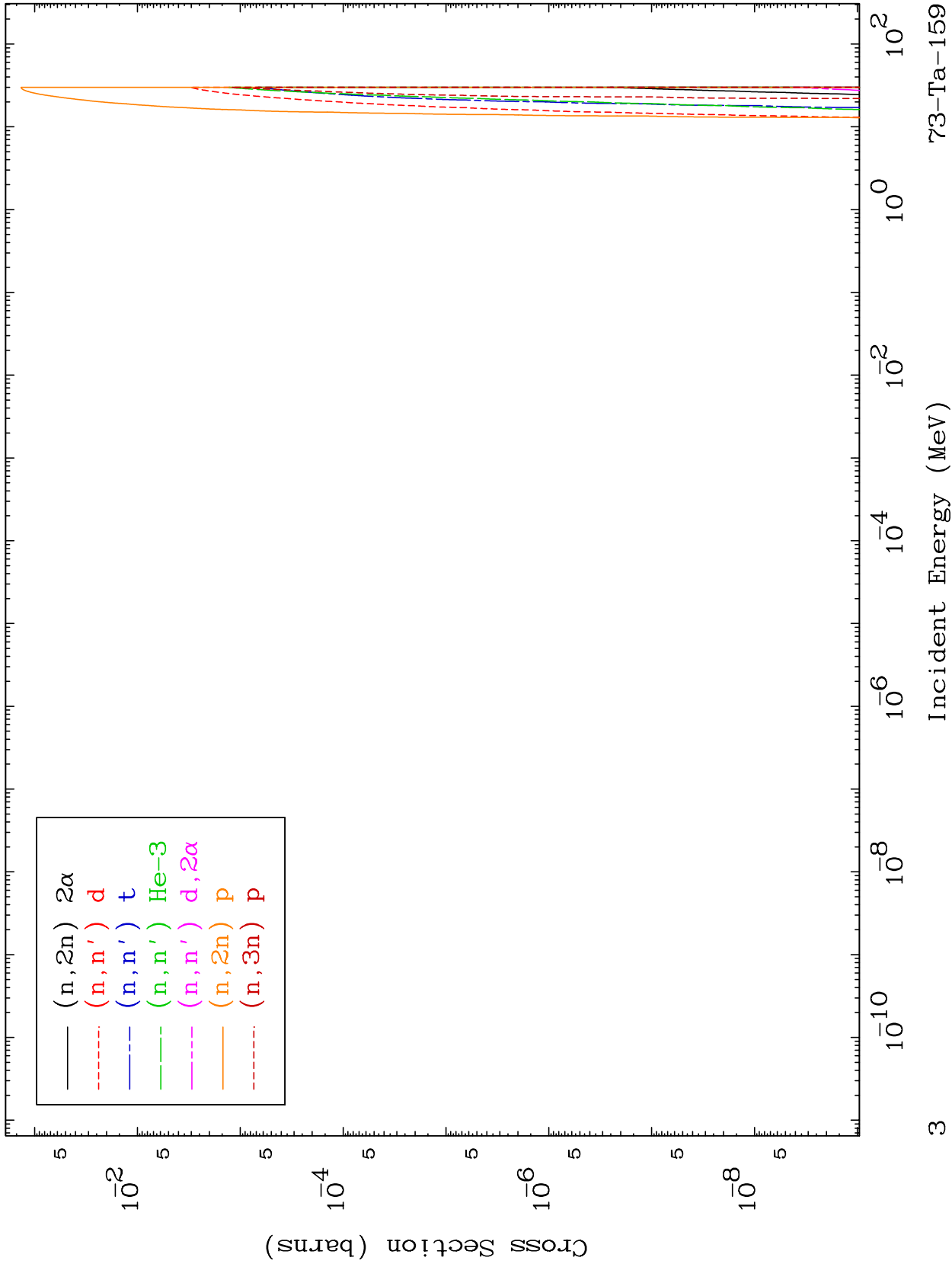
73-Ta-159



MAT 7262

Neutron Production  
293 Kelvin Cross Sections

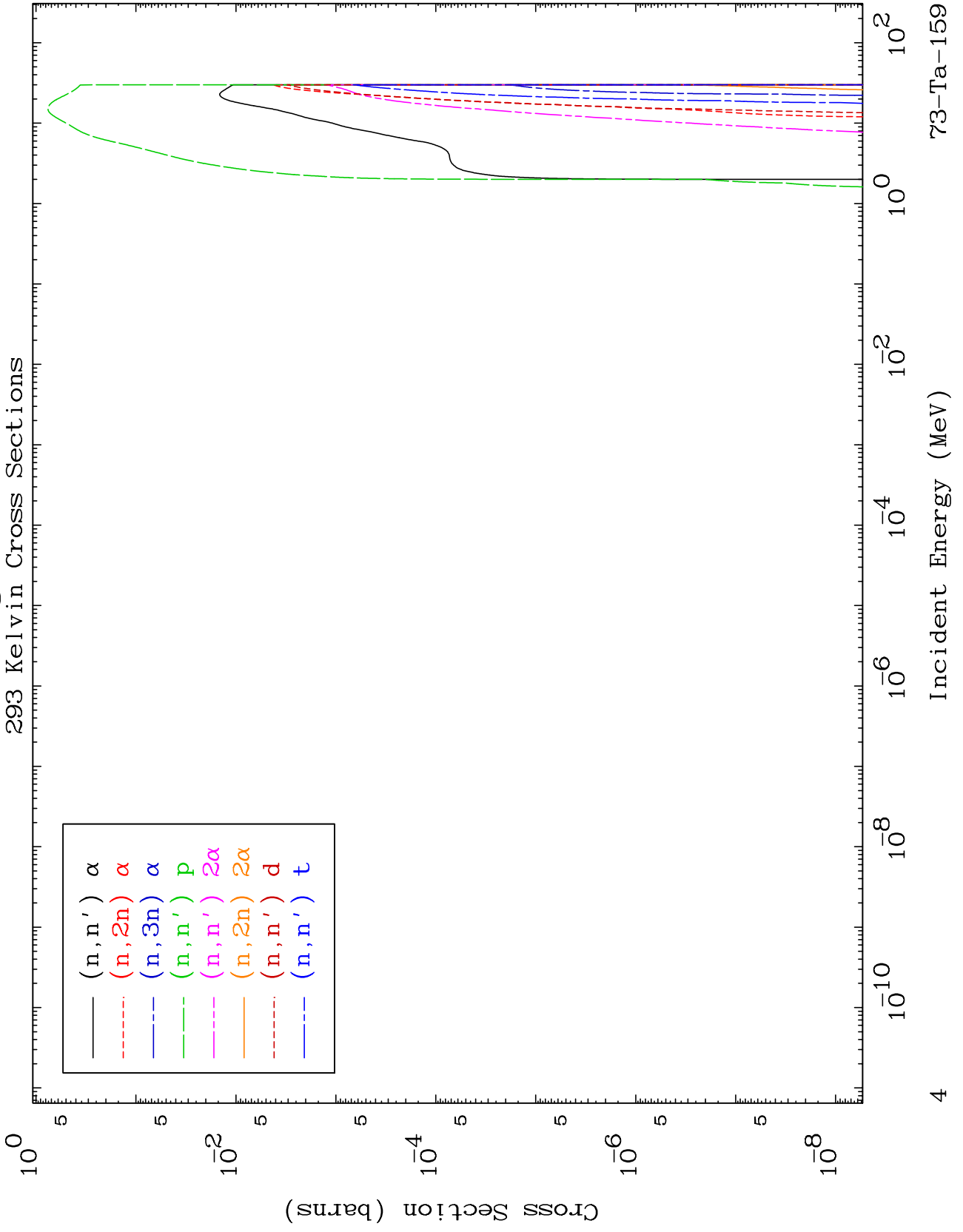
73-Ta-159



MAT 7262

Charged Particle  
293 Kelvin Cross Sections

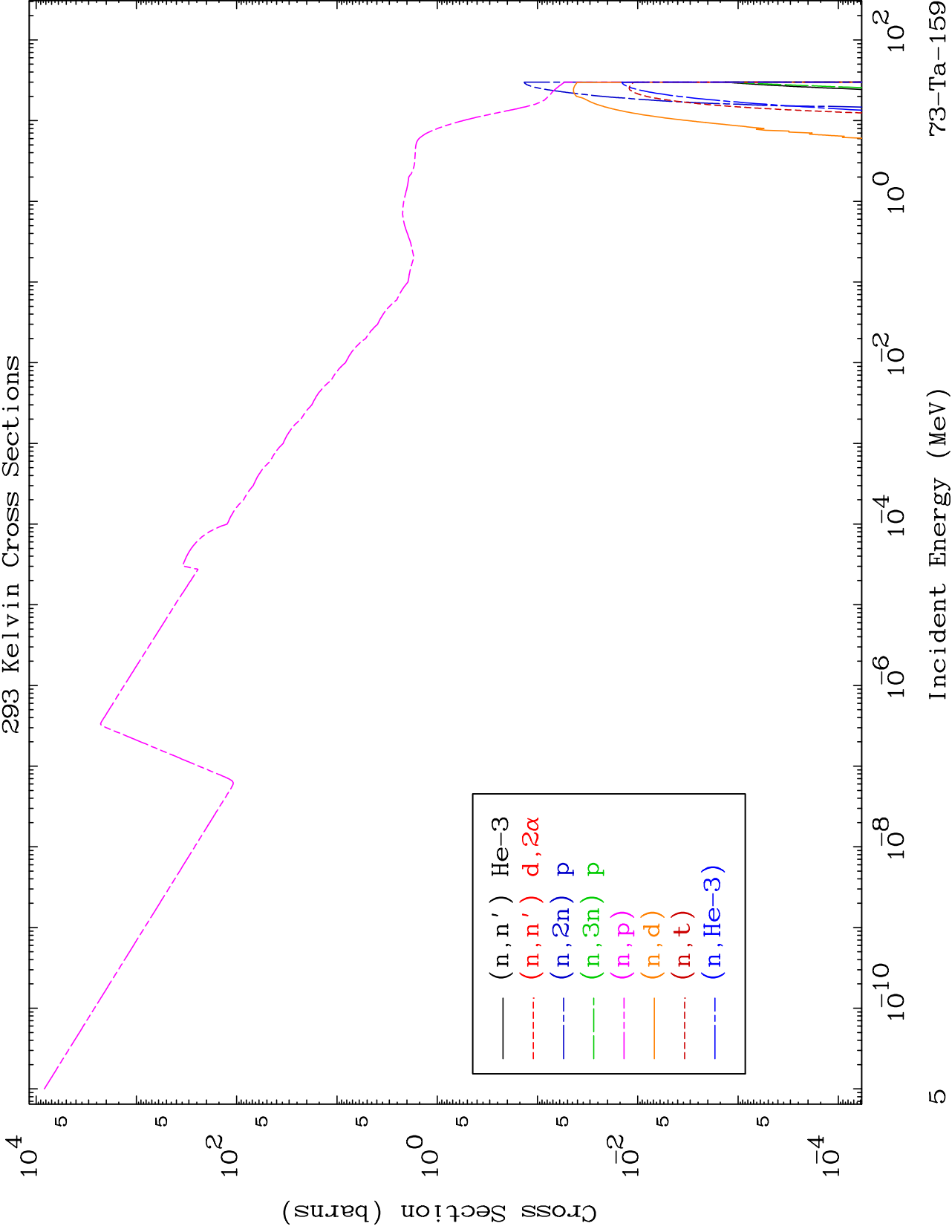
73-Ta-159

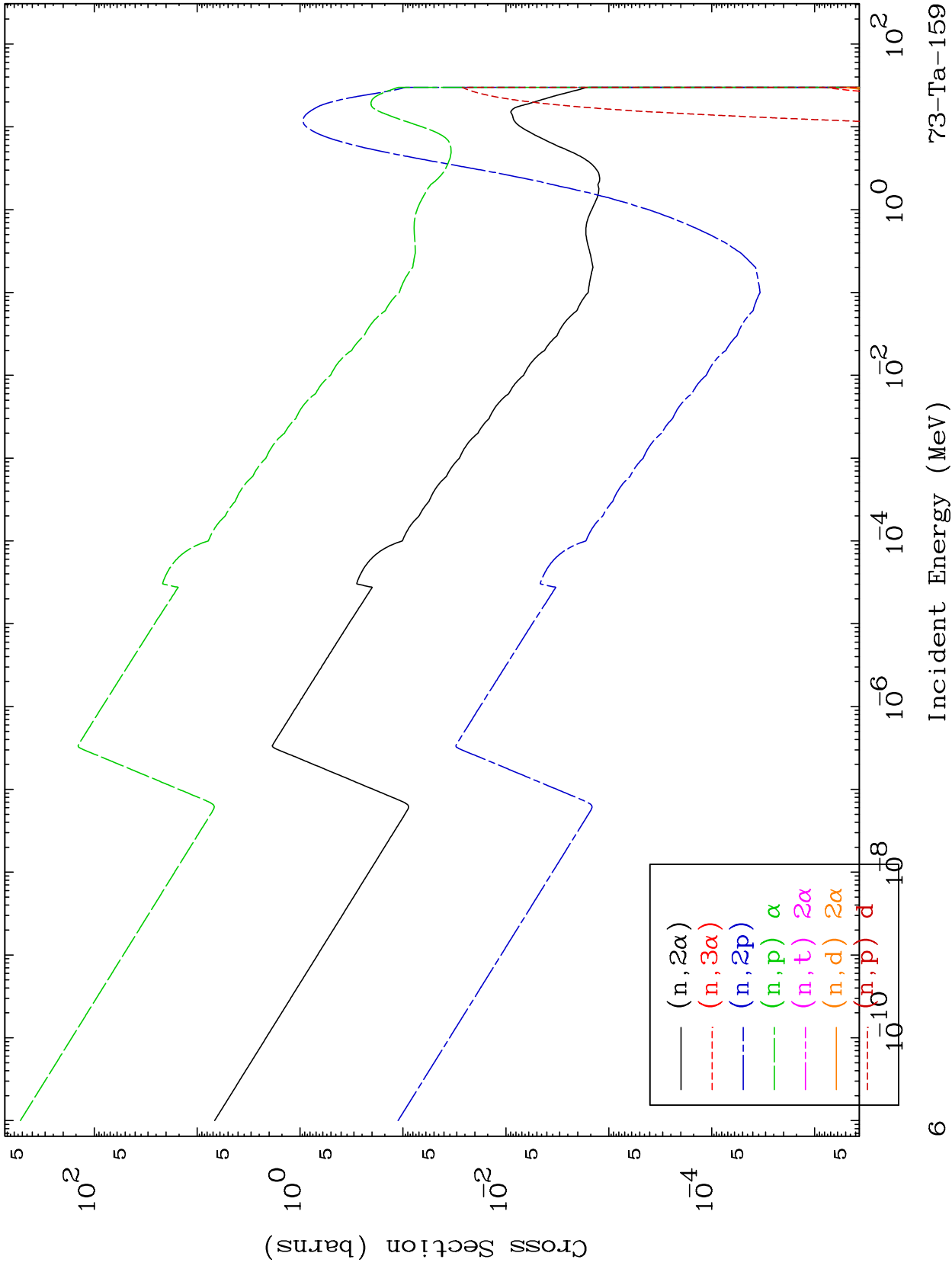


MAT 7262

Charged Particle  
293 Kelvin Cross Sections

73-Ta-159

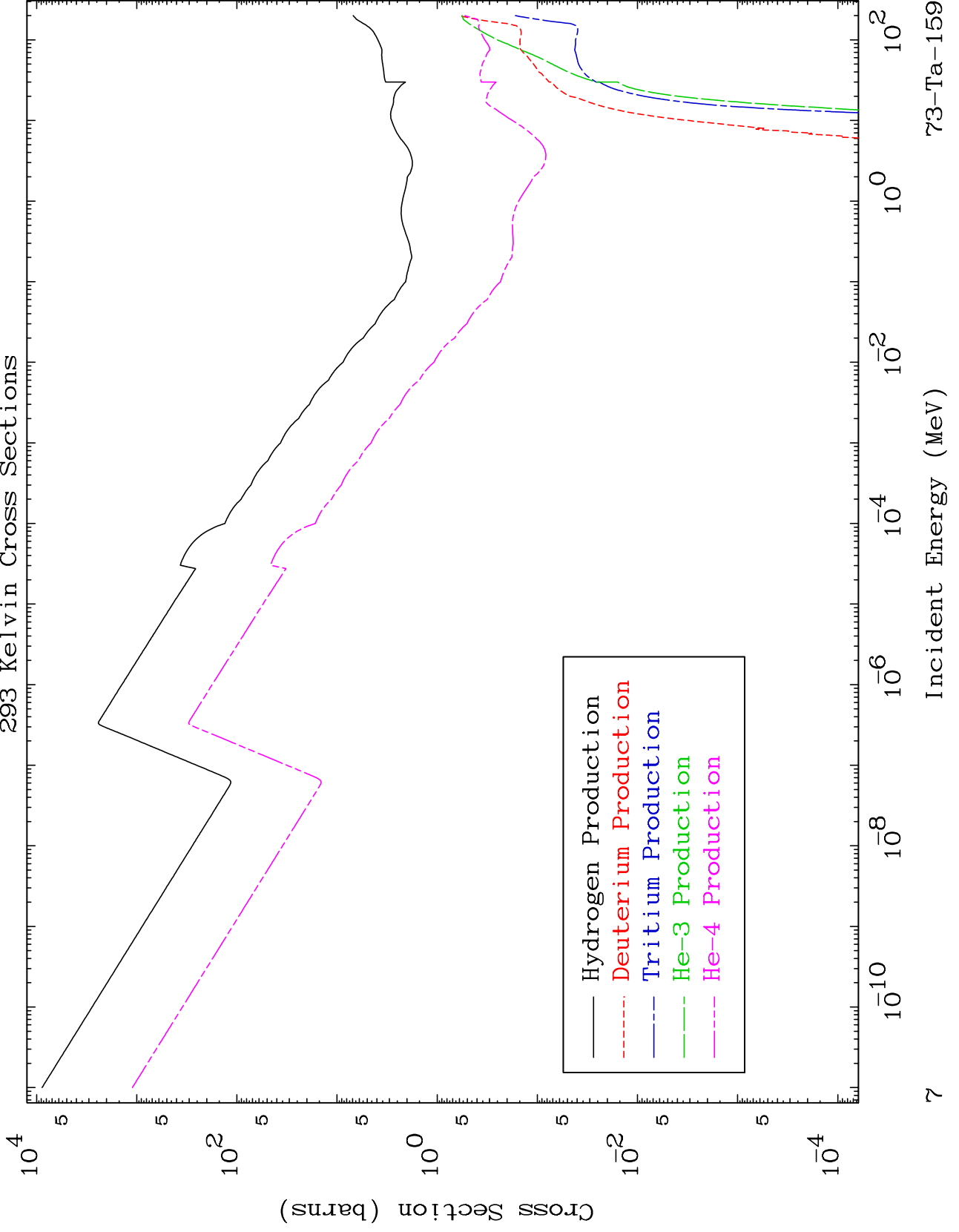




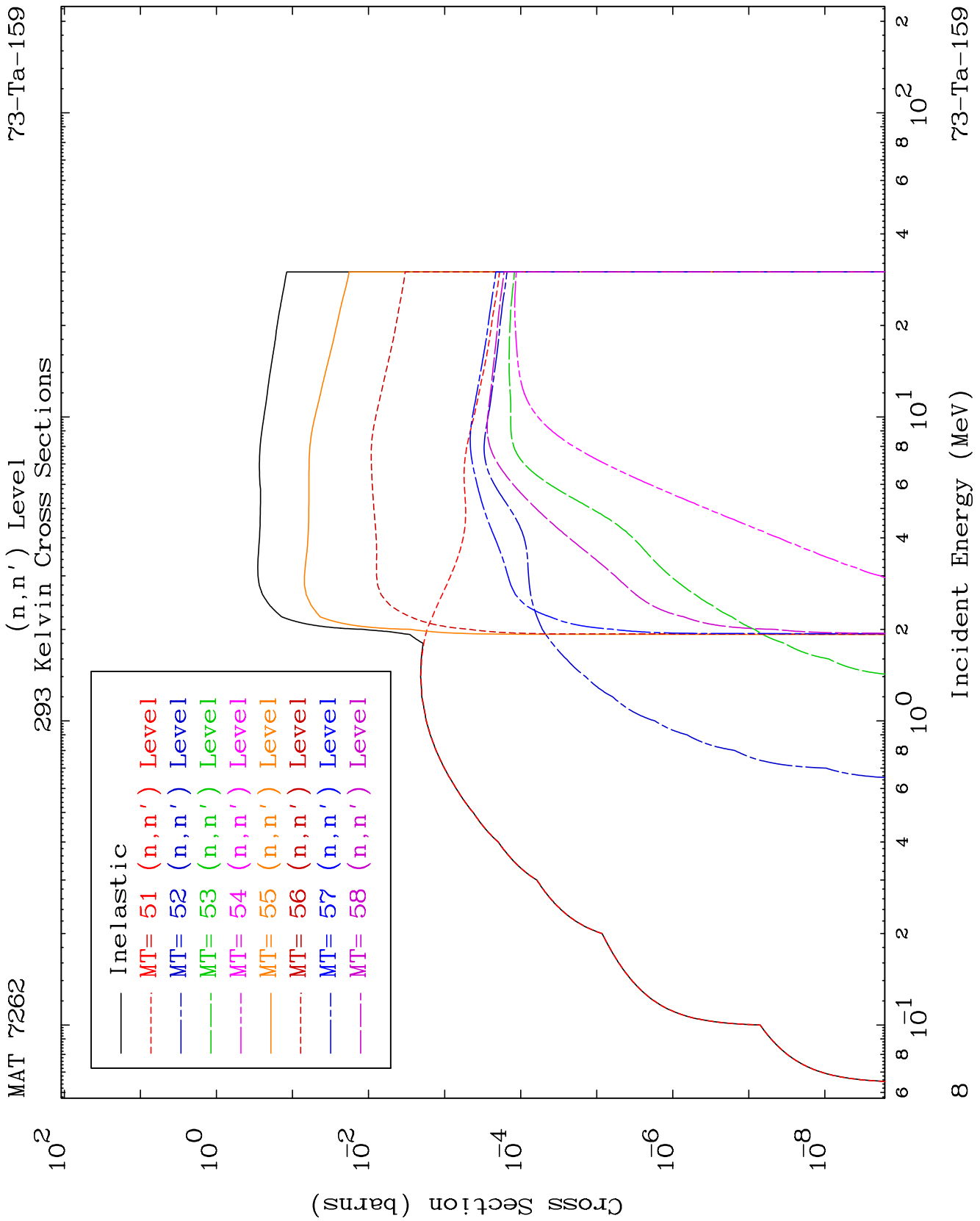
MAT 7262

Particle Production  
293 Kelvin Cross Sections

73-Ta-159





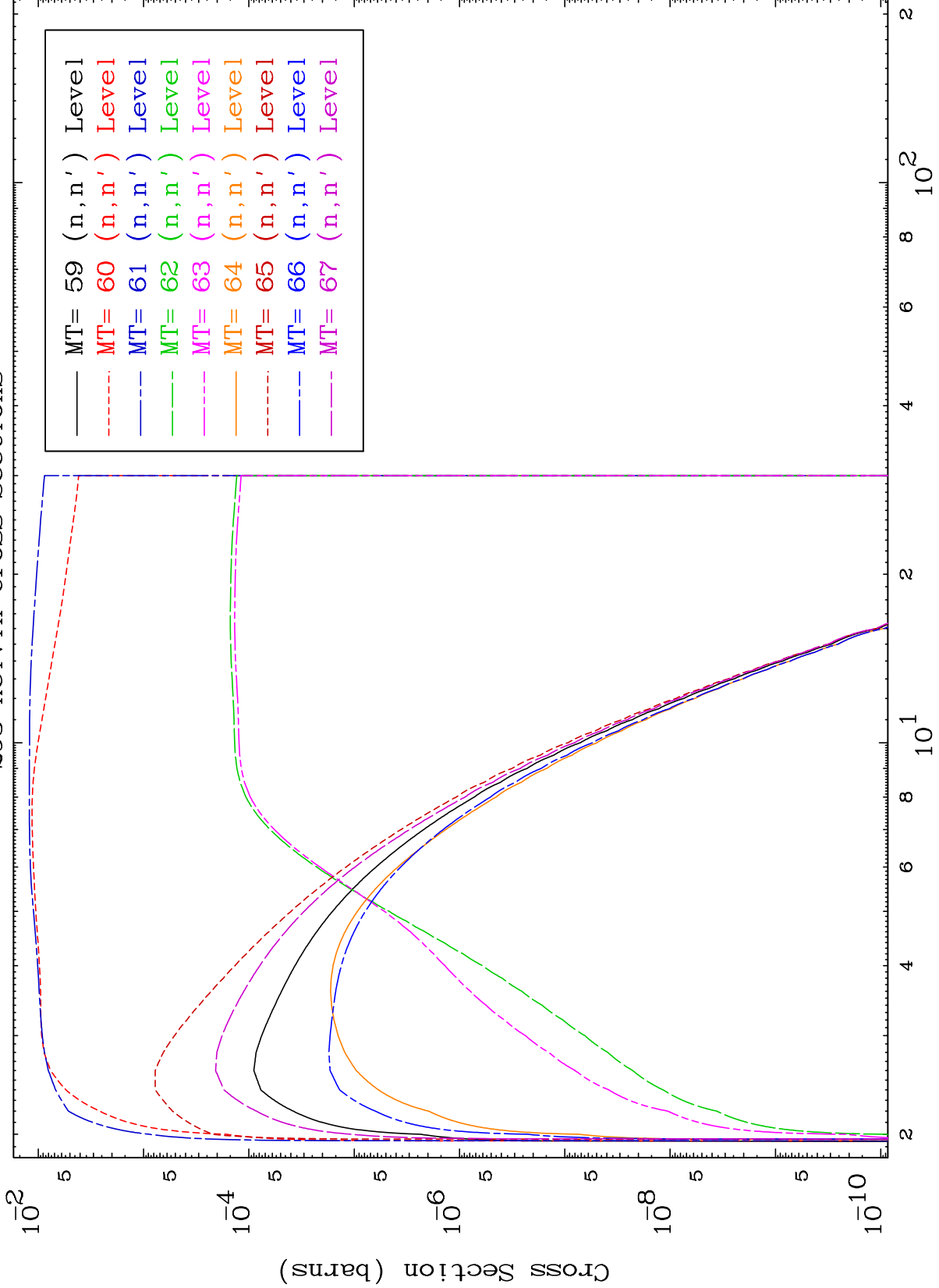


MAT 7262

(n,n') Level

73-Ta-159

293 Kelvin Cross Sections



9

Incident Energy (MeV)

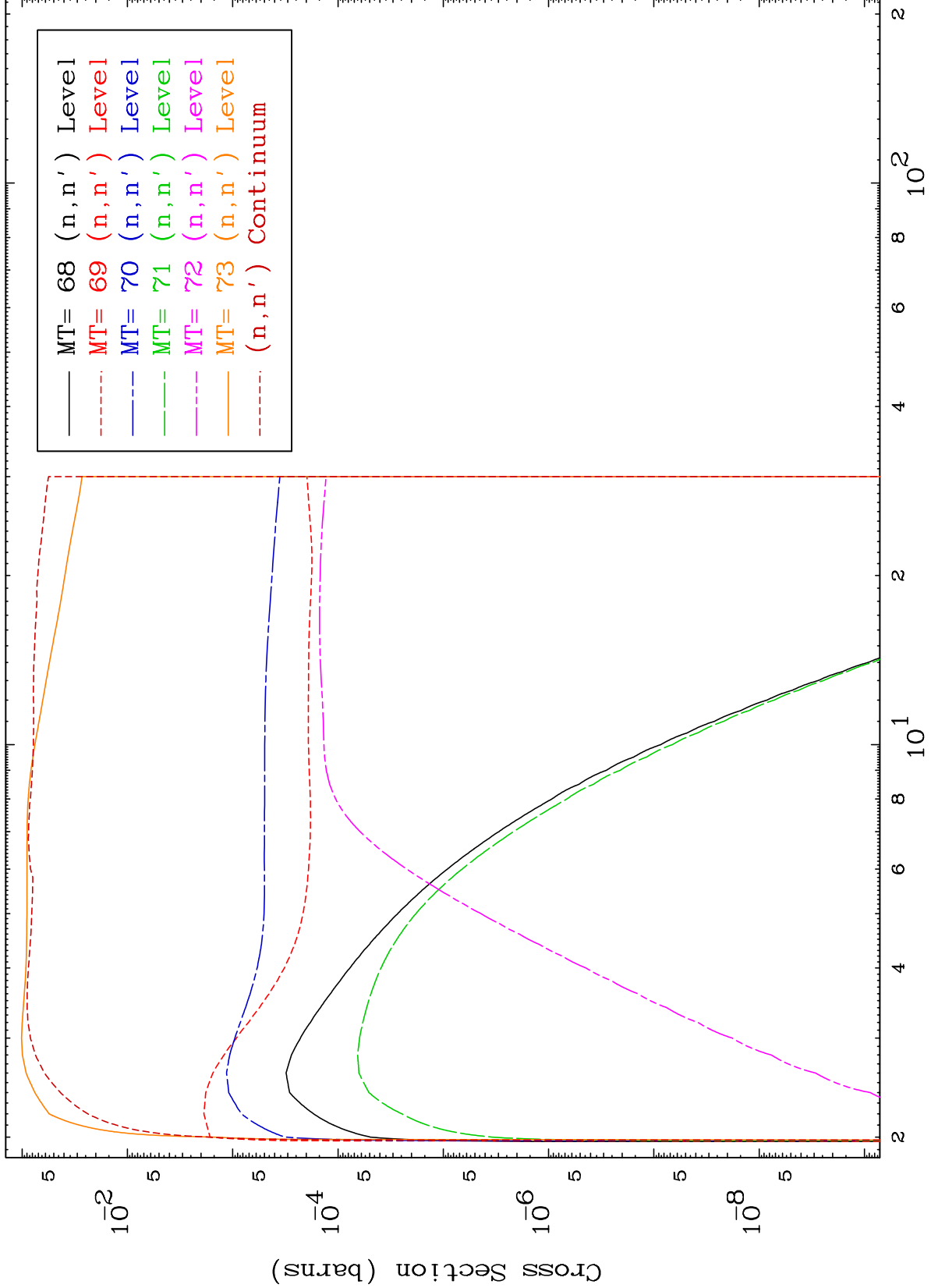
73-Ta-159

MAT 7262

(n,n') Level

73-Ta-159

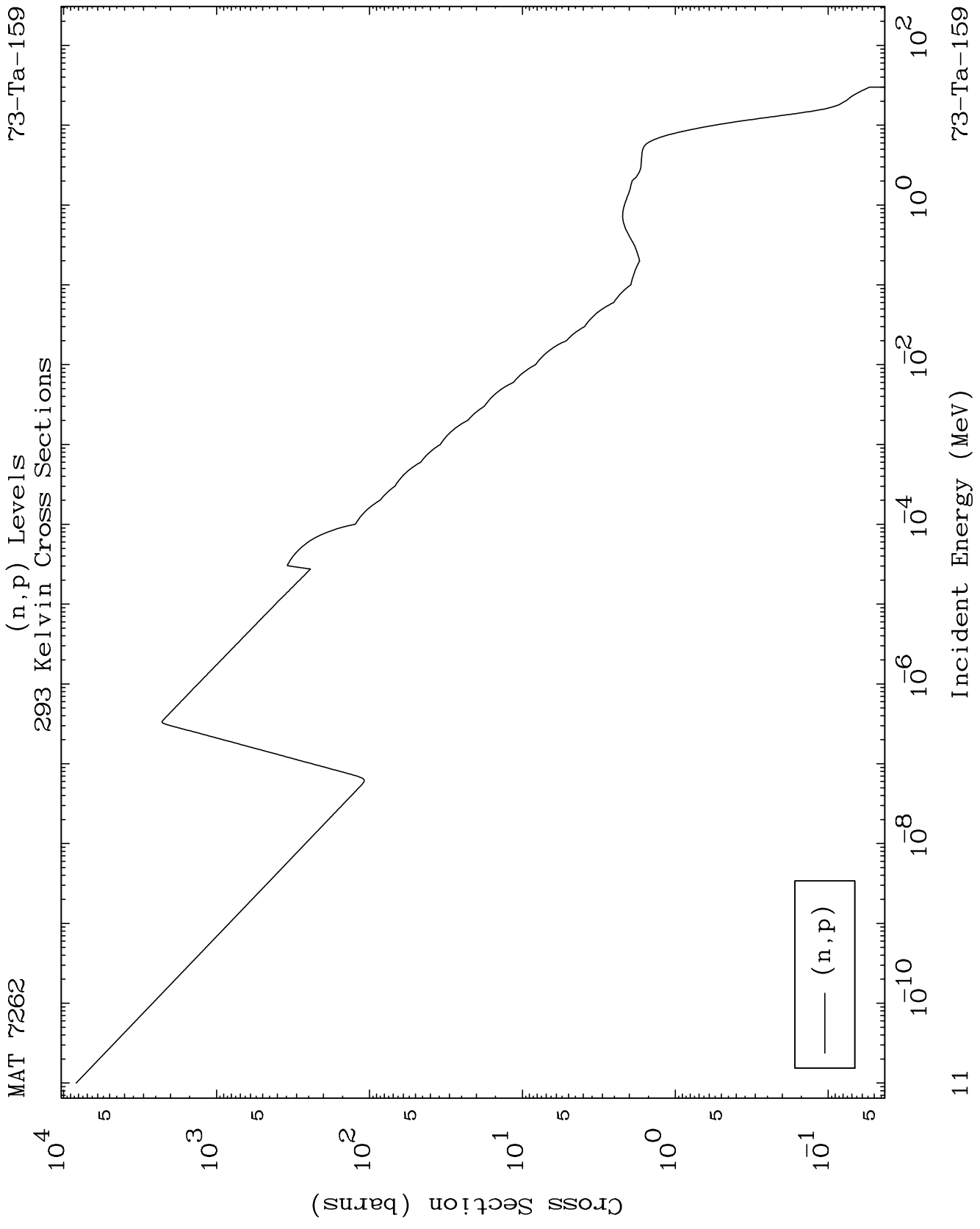
293 Kelvin Cross Sections



10

Incident Energy (MeV)

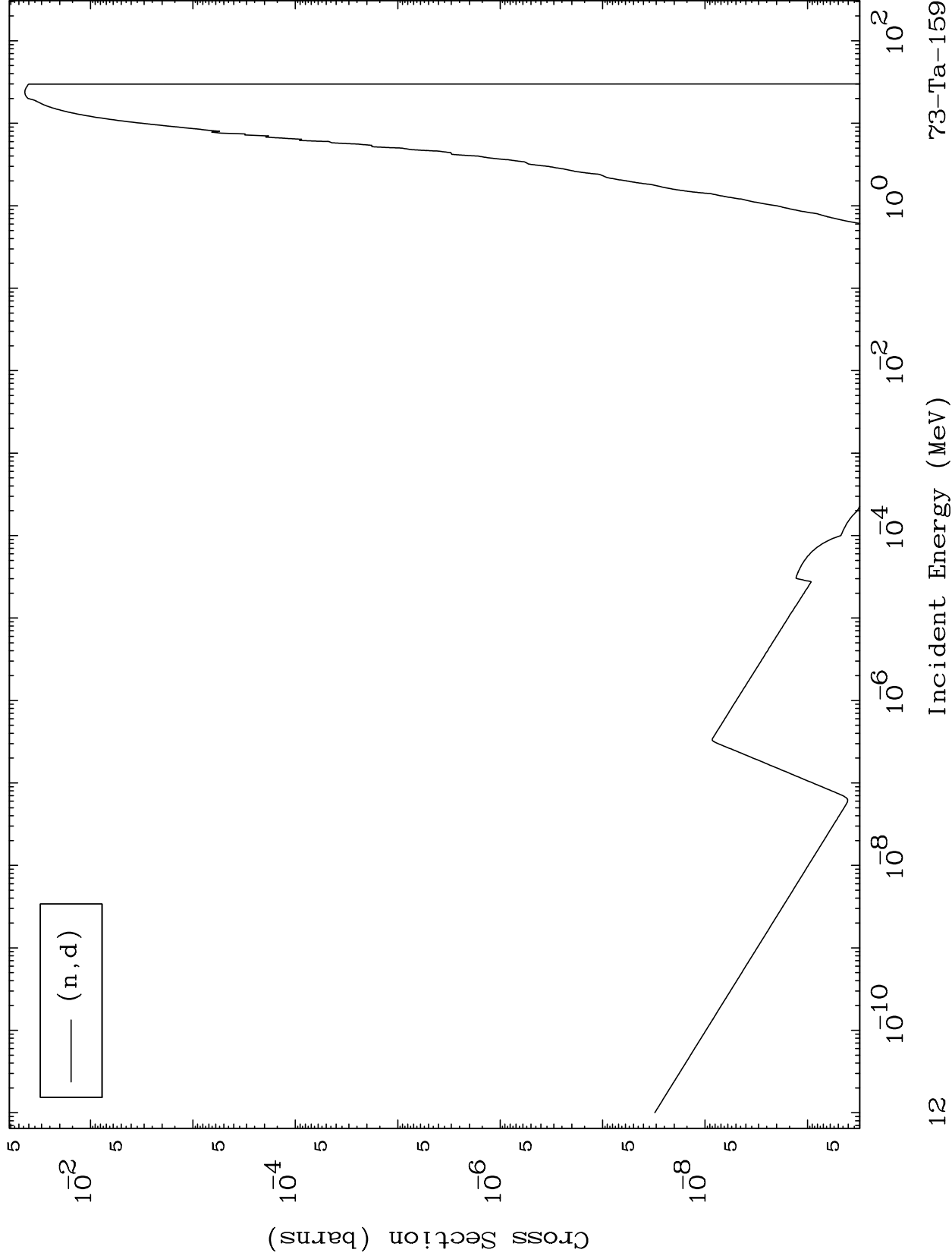
73-Ta-159



MAT 7262

(n,d) Levels  
293 Kelvin Cross Sections

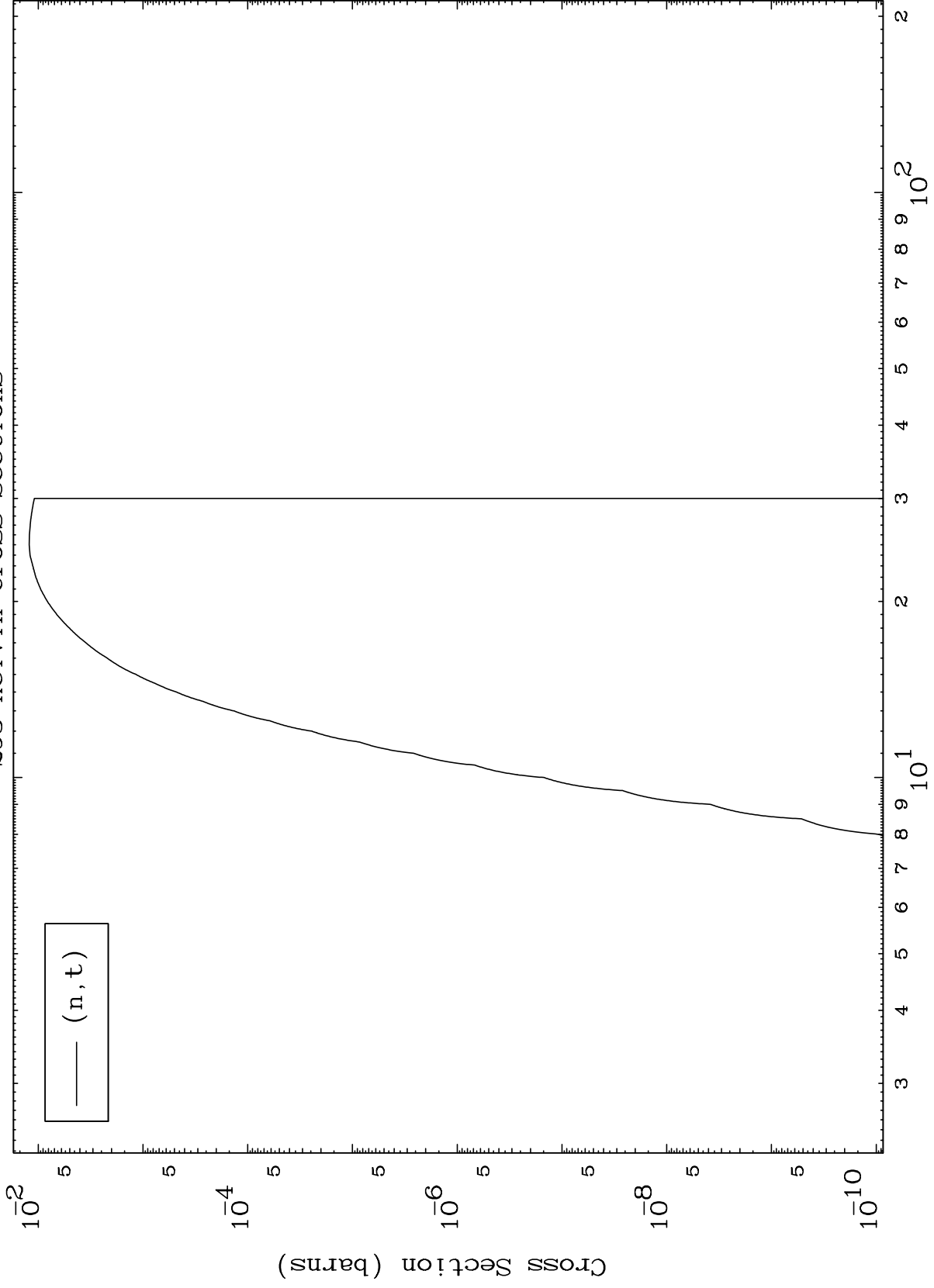
73-Ta-159



MAT 7262

(n,t) Levels  
293 Kelvin Cross Sections

73-Ta-159



13

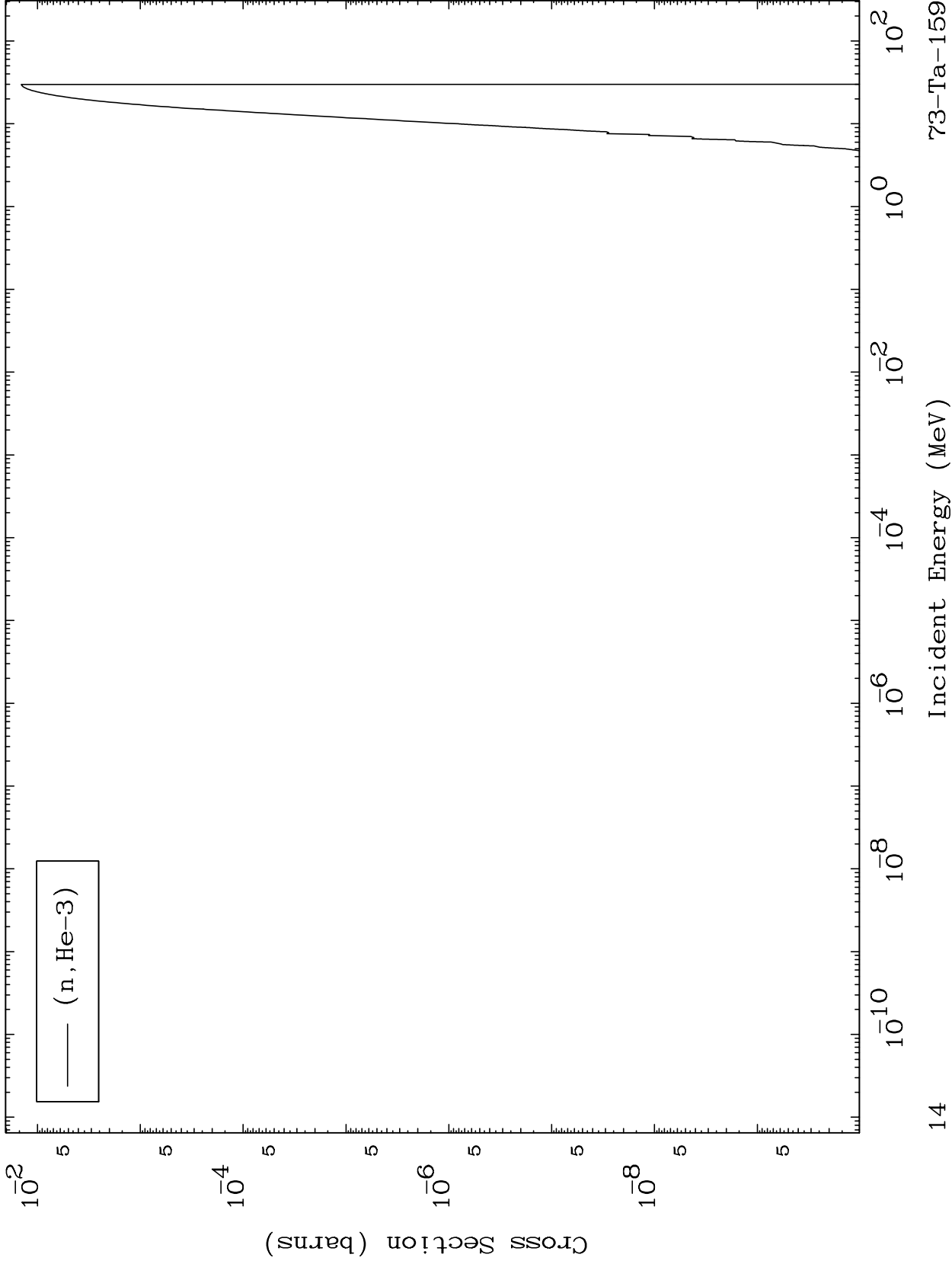
Incident Energy (MeV)

73-Ta-159

MAT 7262

(n,He3) Levels  
293 Kelvin Cross Sections

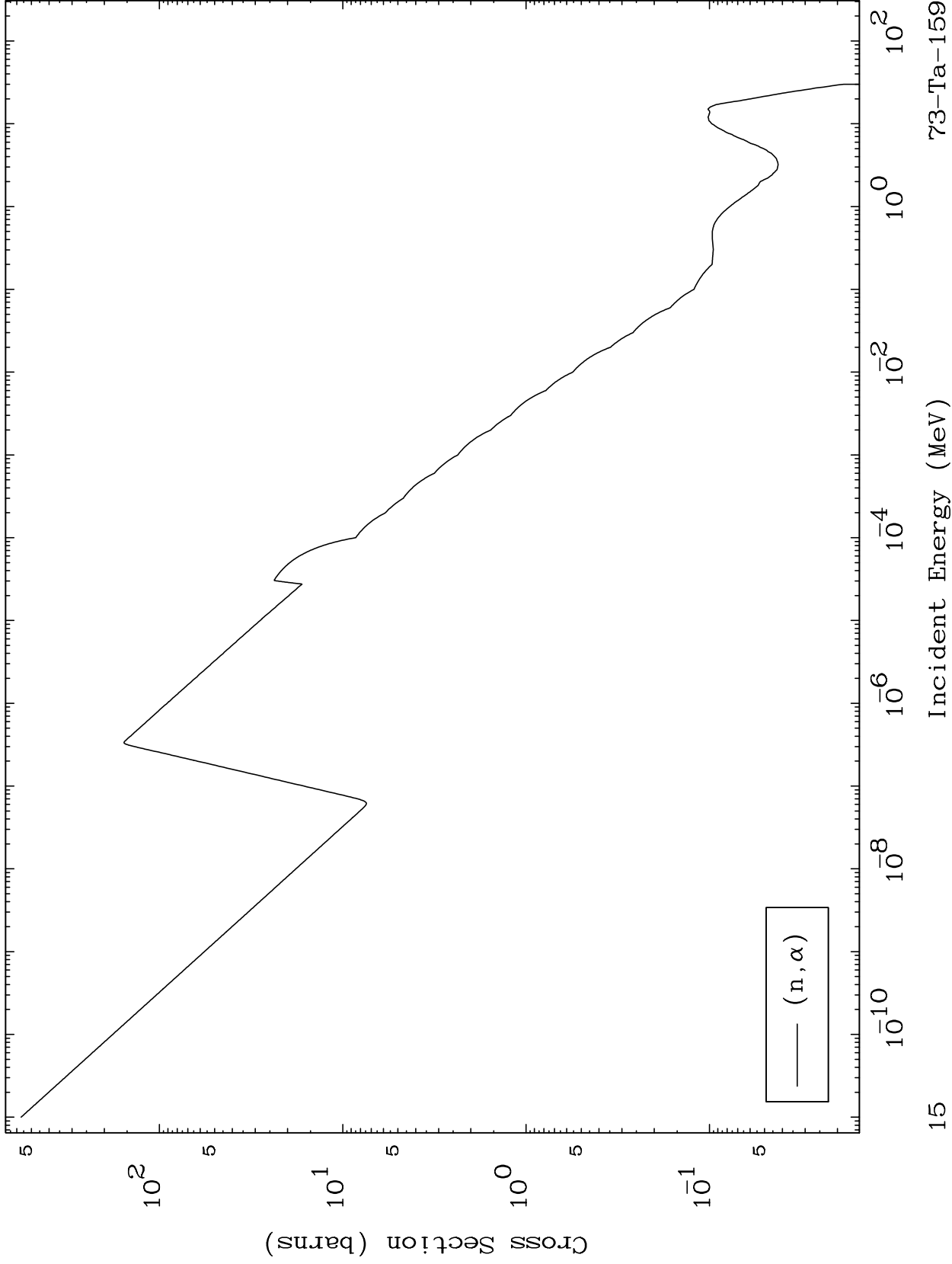
73-Ta-159



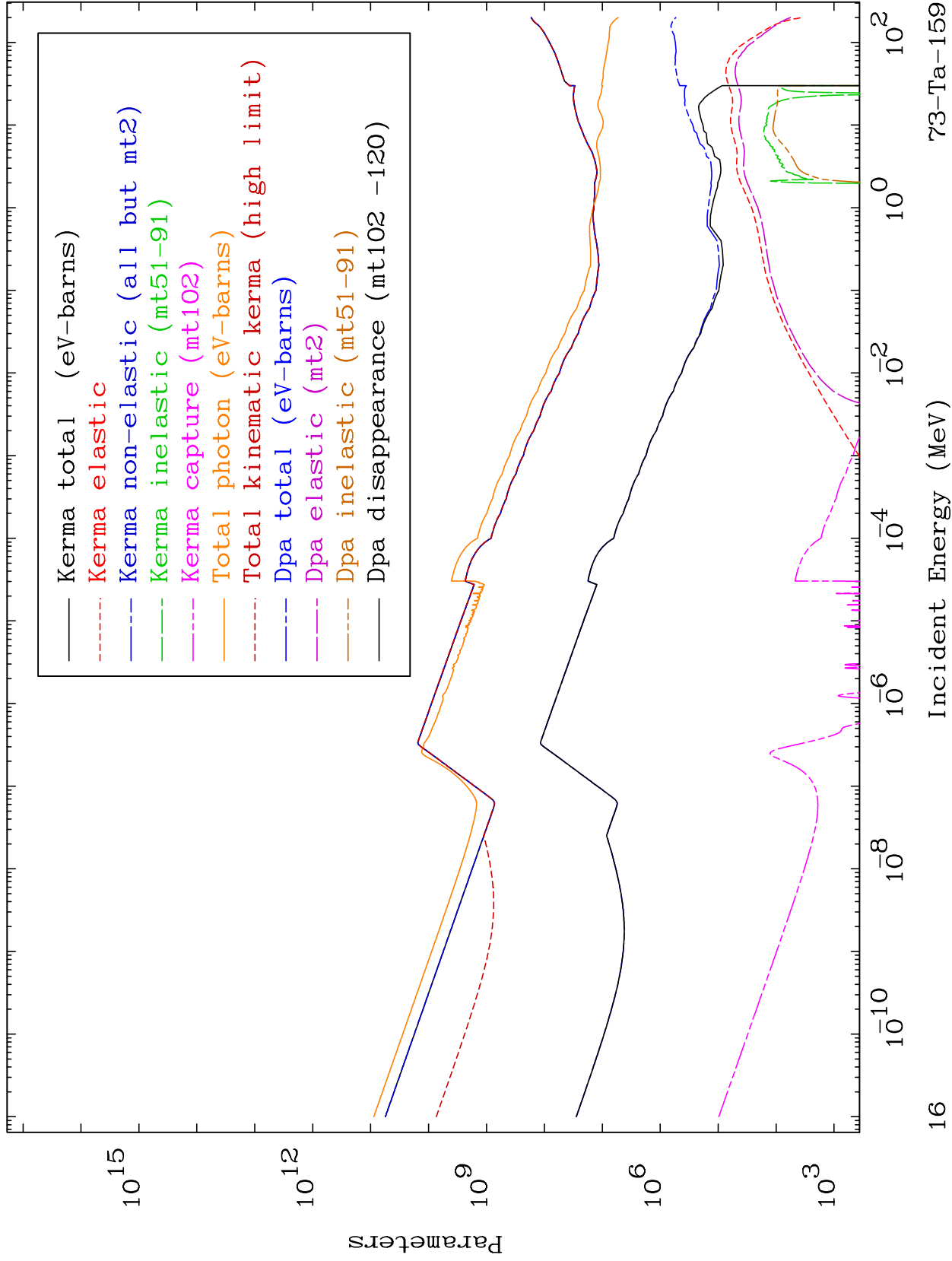
MAT 7262

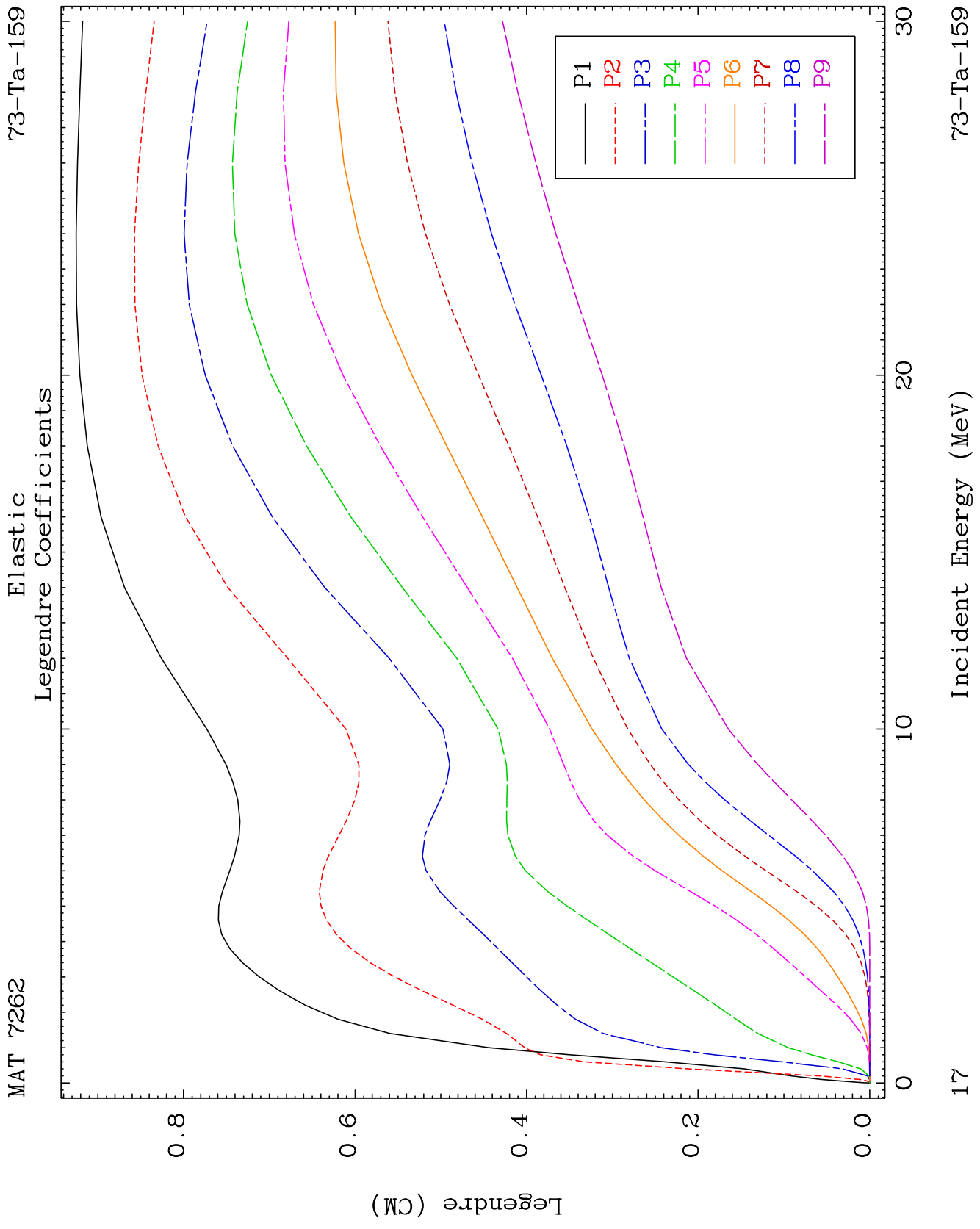
(n,α) Levels  
293 Kelvin Cross Sections

73-Ta-159





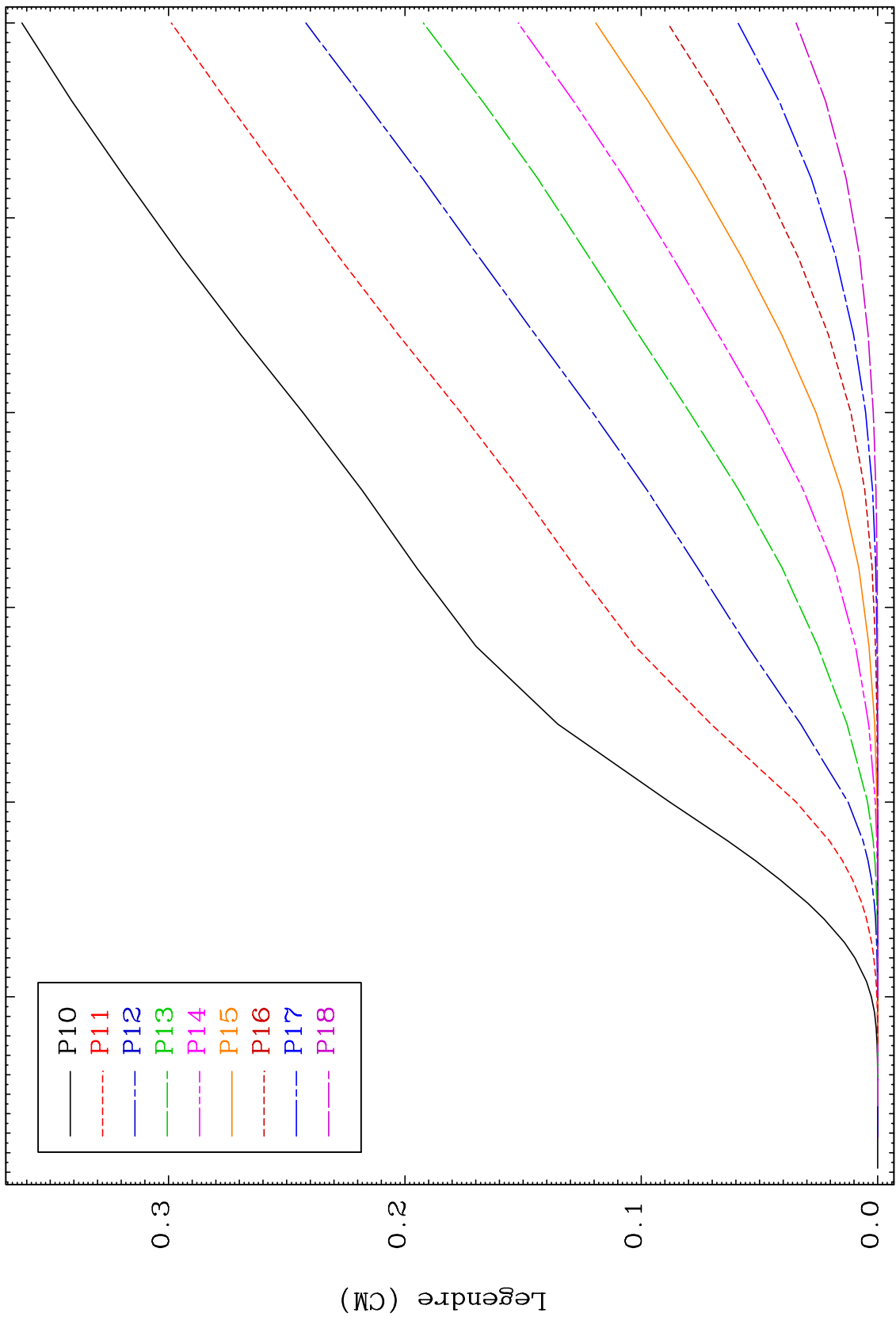




MAT 7262

Elastic Legendre Coefficients

73-Ta-159



18

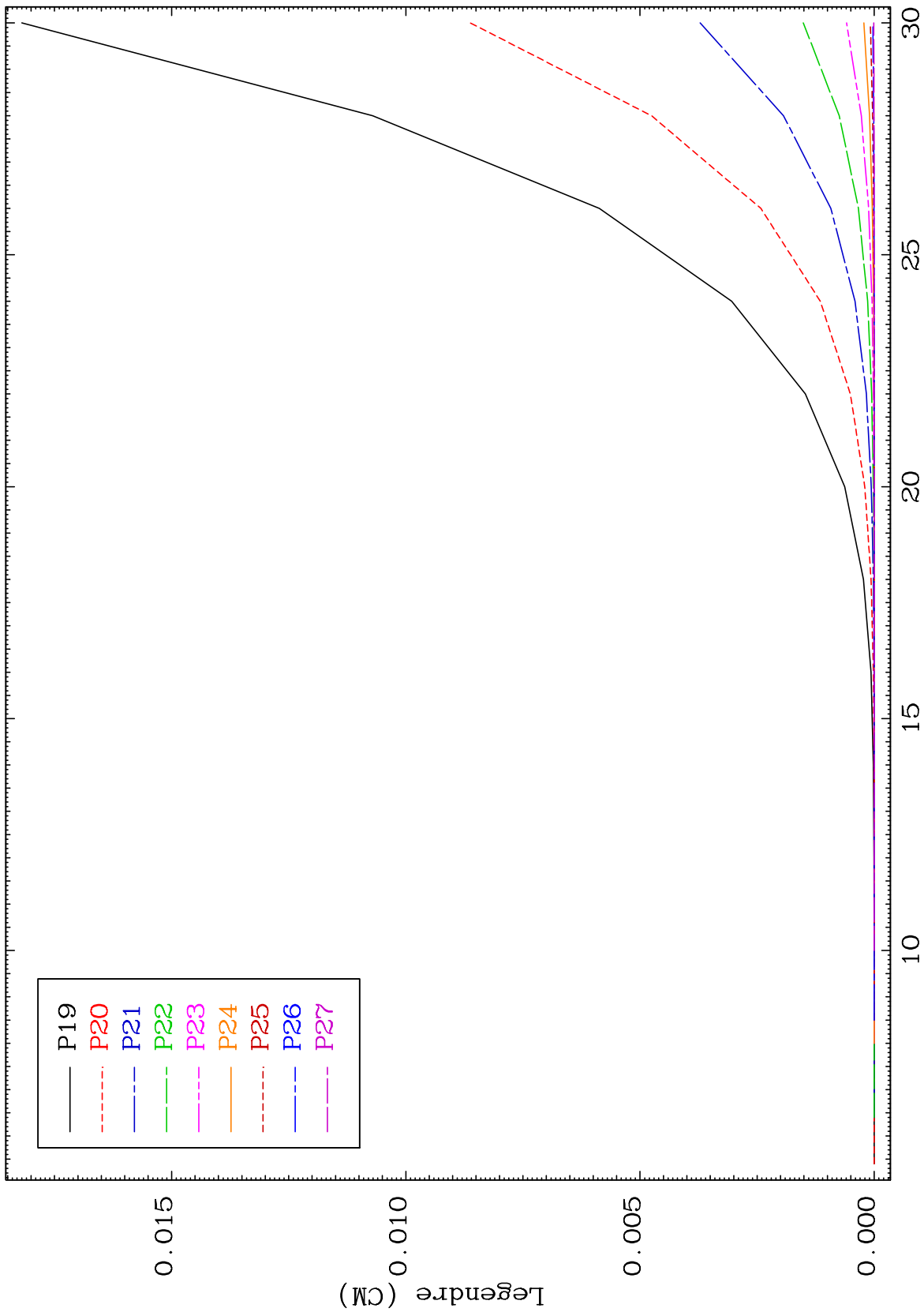
Incident Energy (MeV)

73-Ta-159

MAT 7262

Elastic Legendre Coefficients

73-Ta-159



19

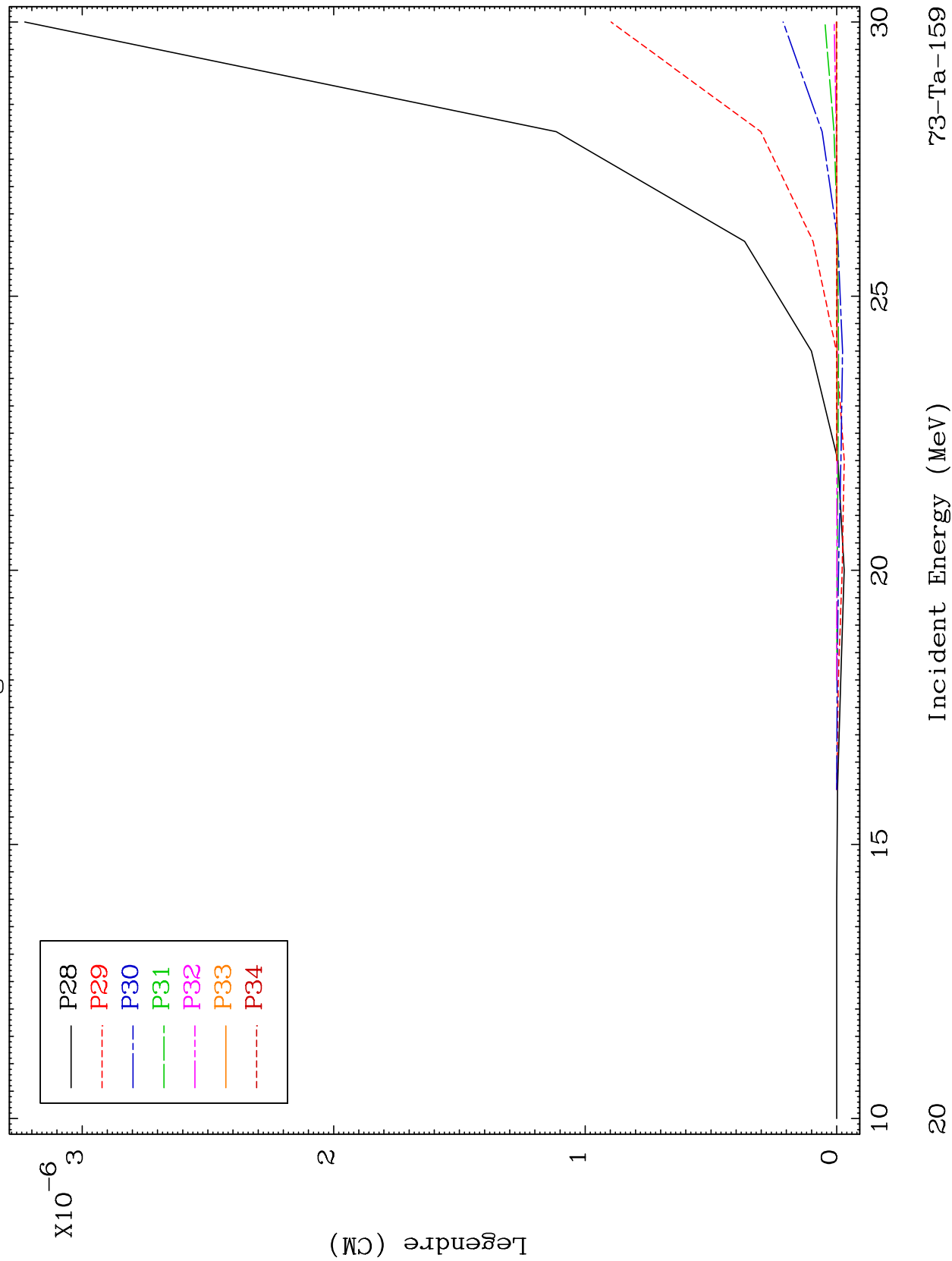
Incident Energy (MeV)

73-Ta-159

MAT 7262

Elastic Legendre Coefficients

<sup>73</sup>Ta-159



<sup>73</sup>Ta-159

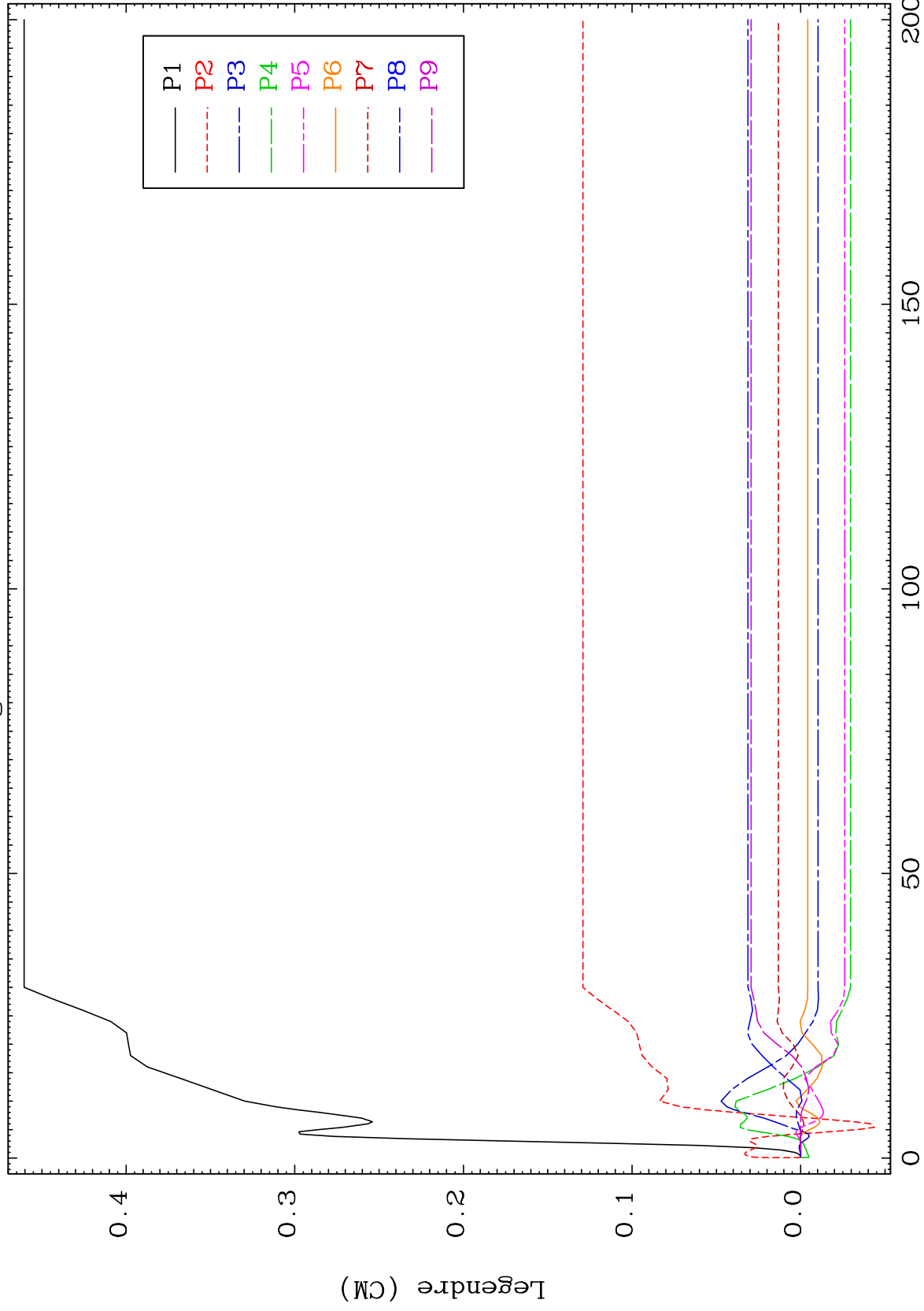
Incident Energy (MeV)

20

MAT 7262

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

73-Ta-159

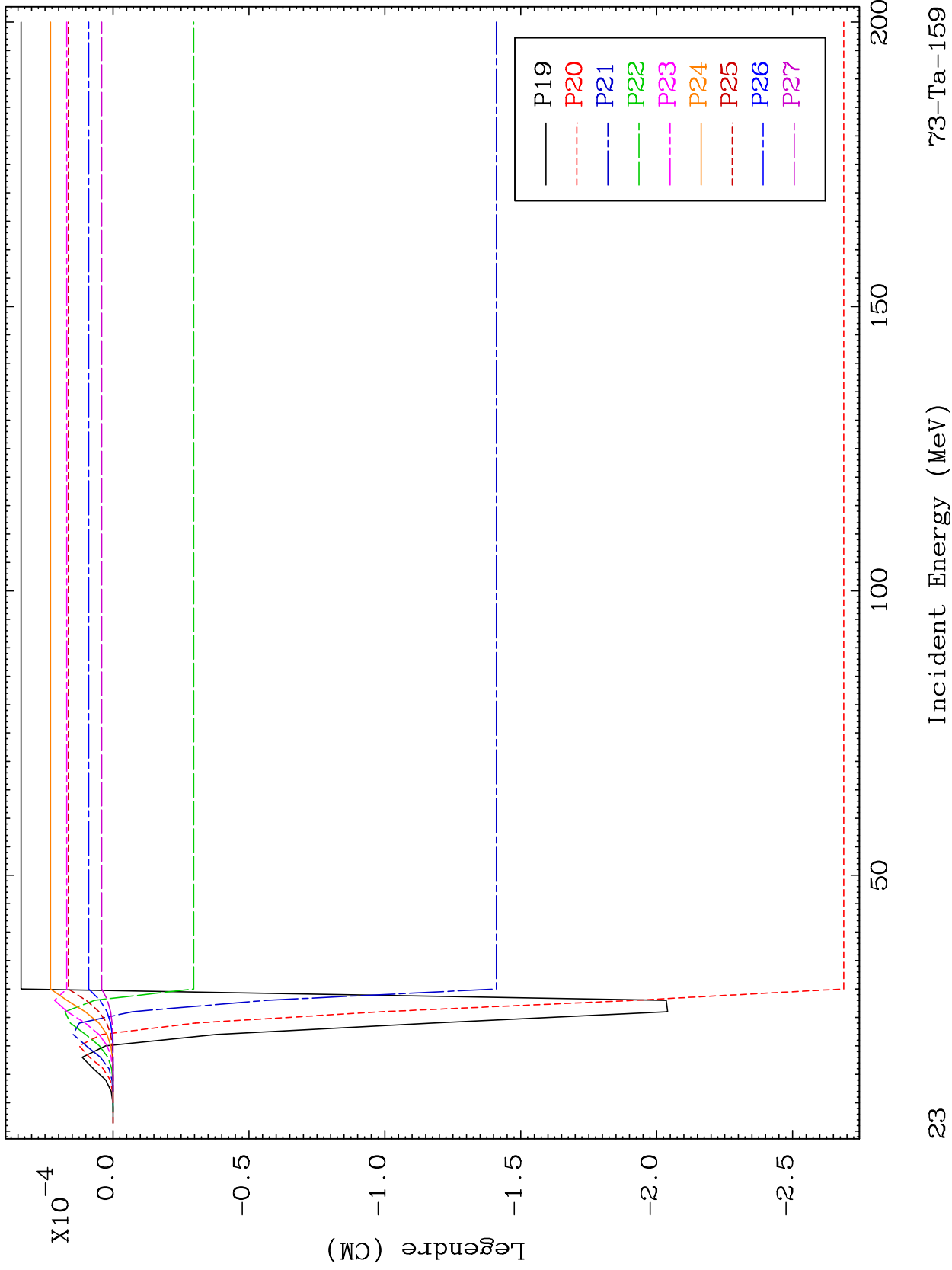


21

Incident Energy (MeV)

73-Ta-159



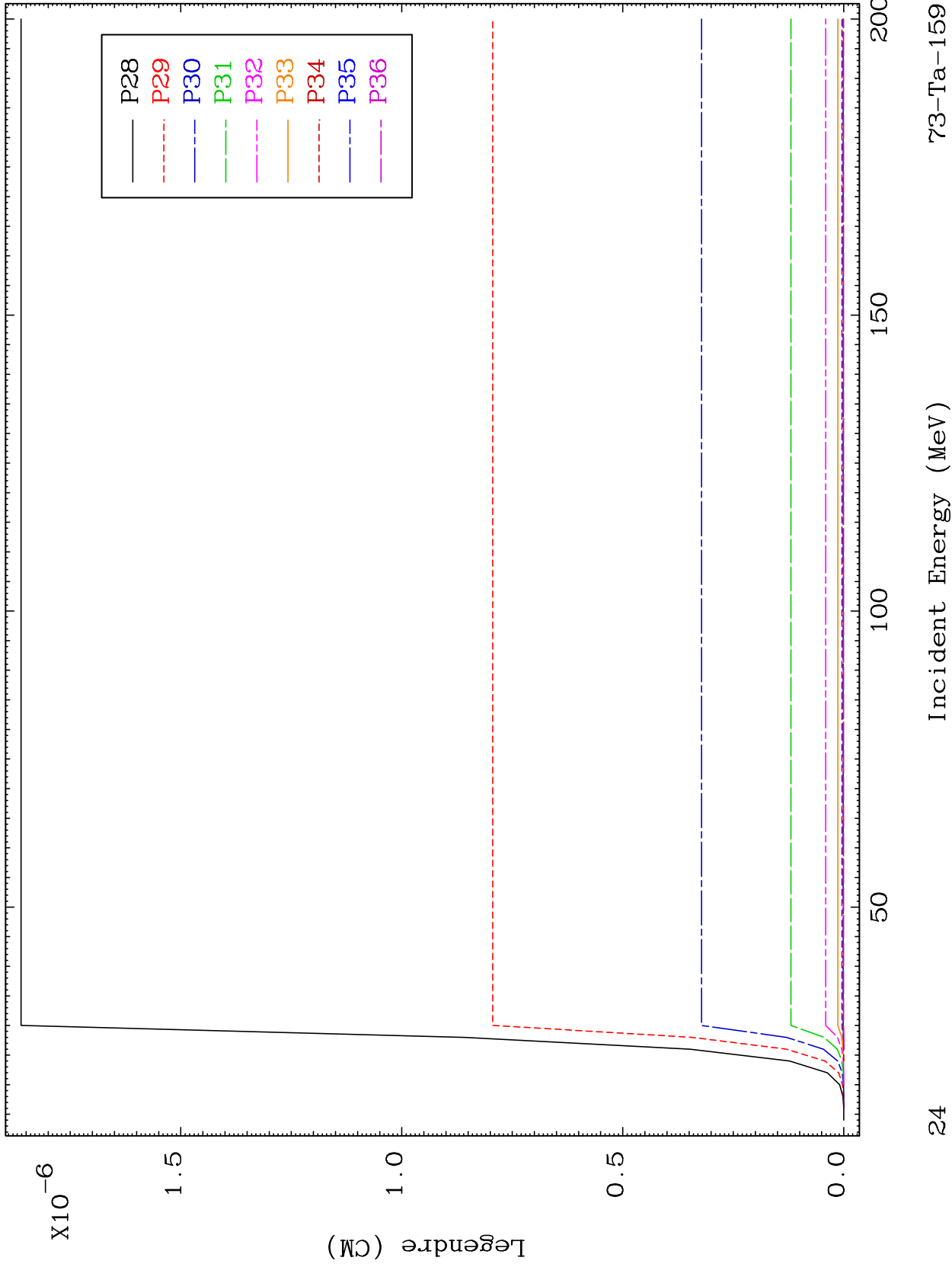




MAT 7262

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

73-Ta-159



24

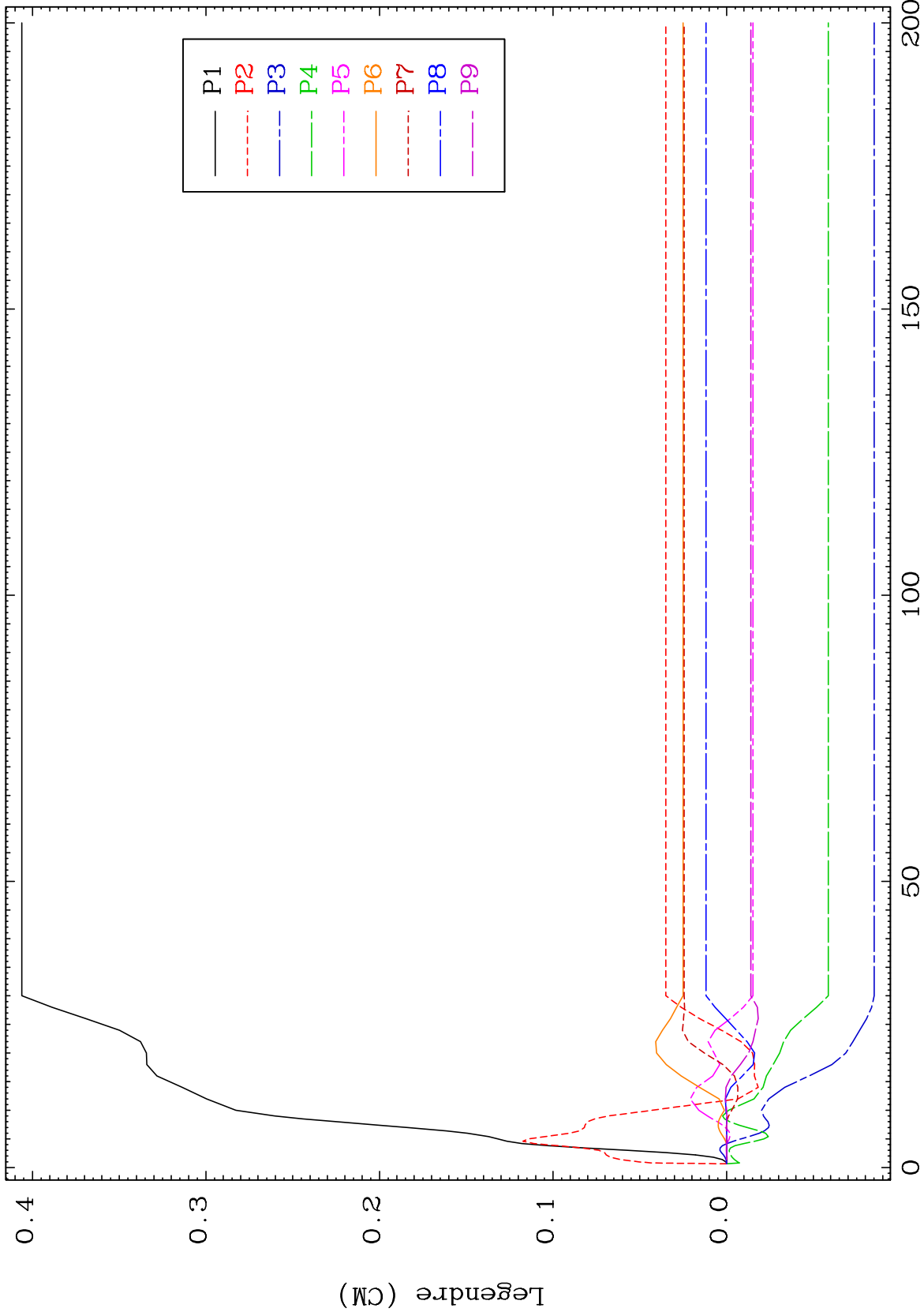
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



25

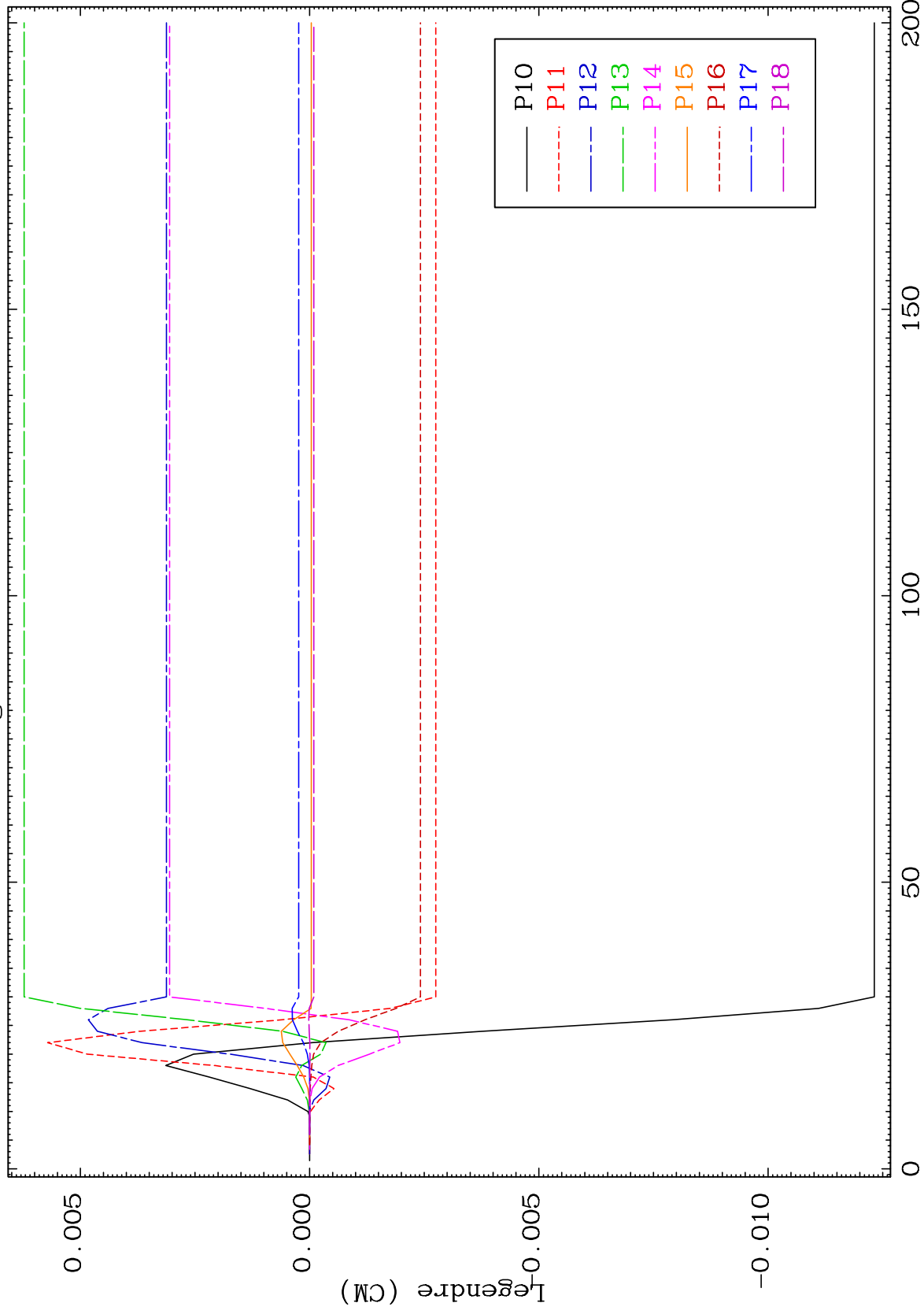
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



26

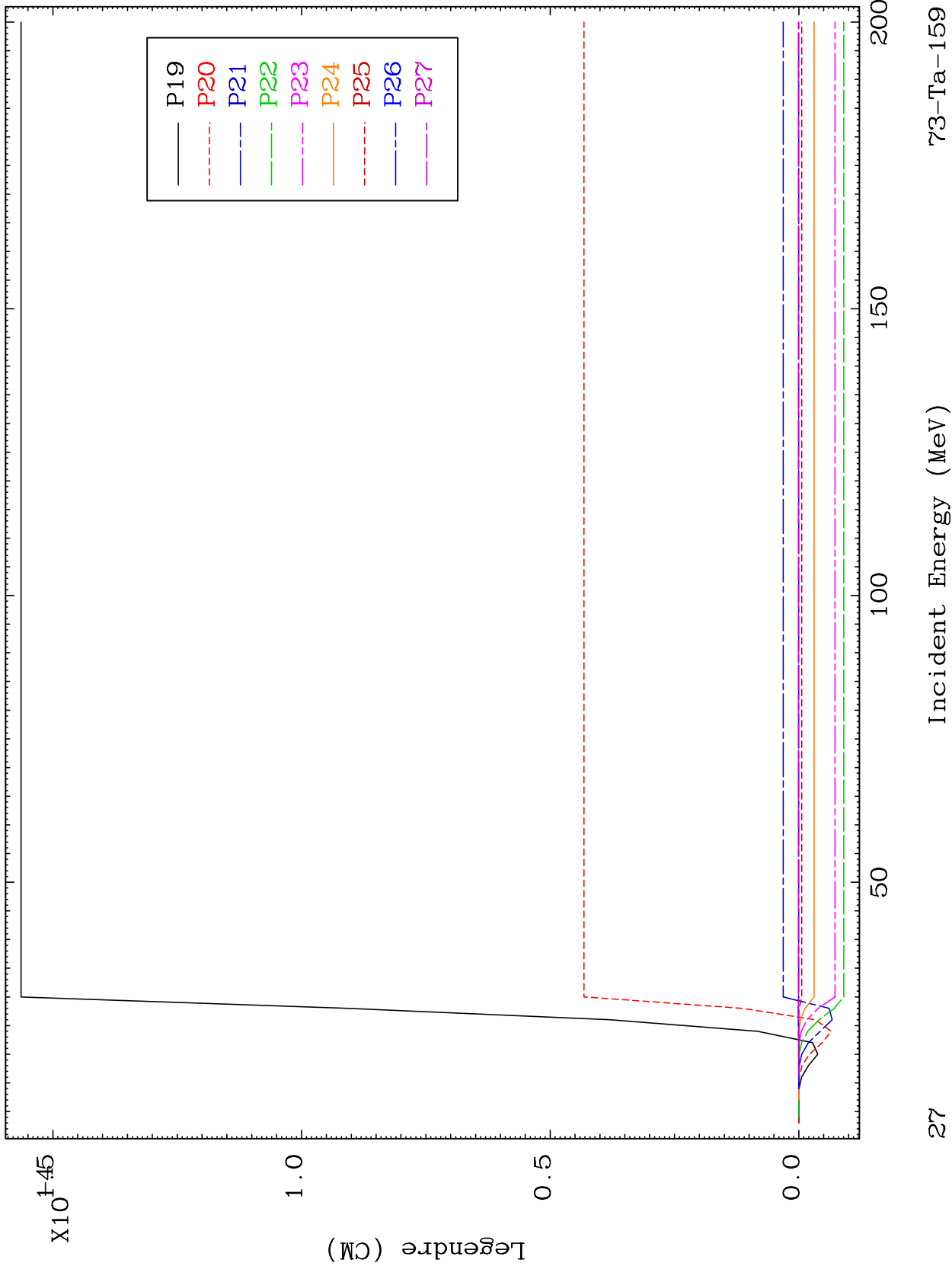
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



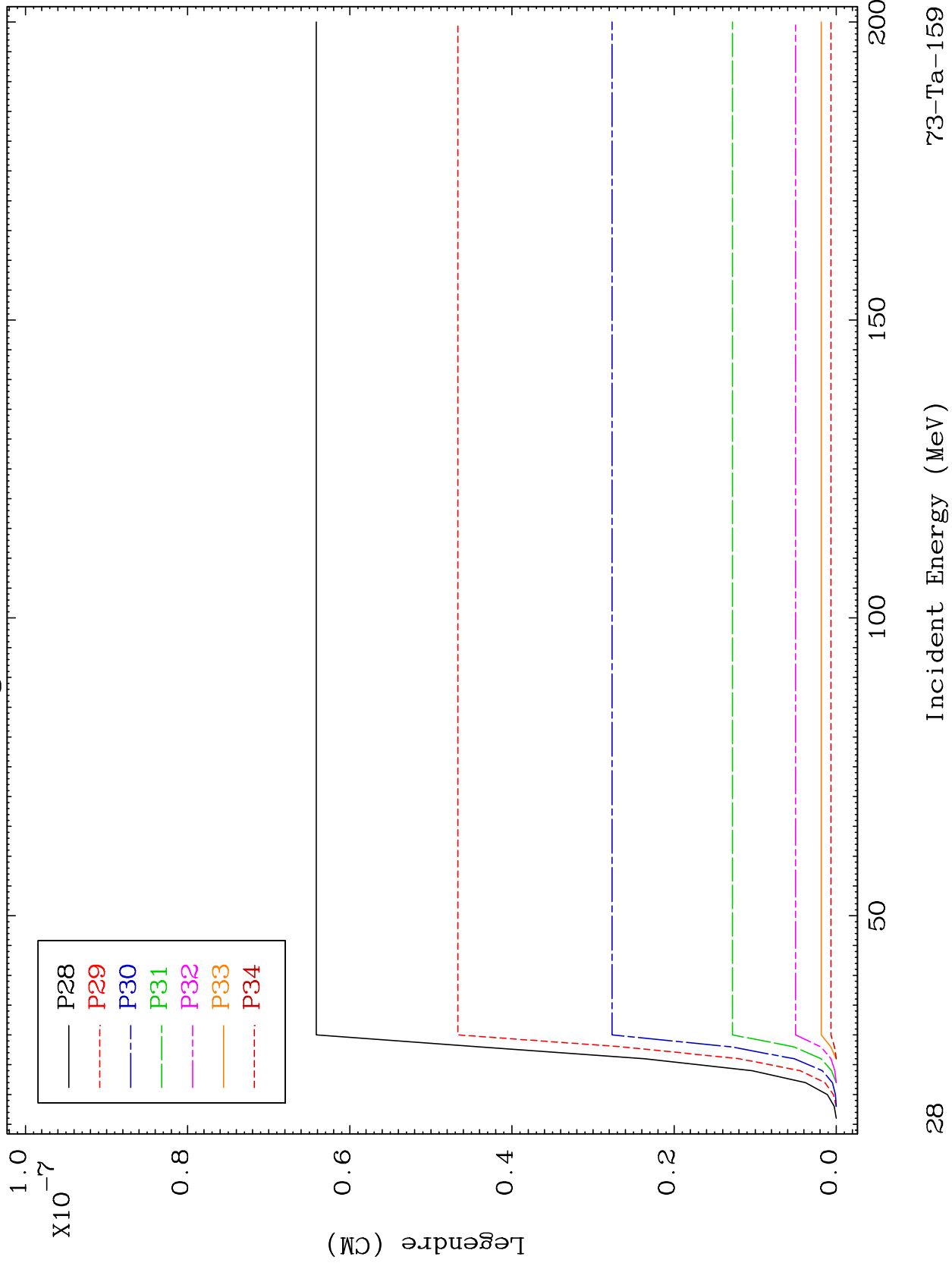
27

73-Ta-159

MAT 7262

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

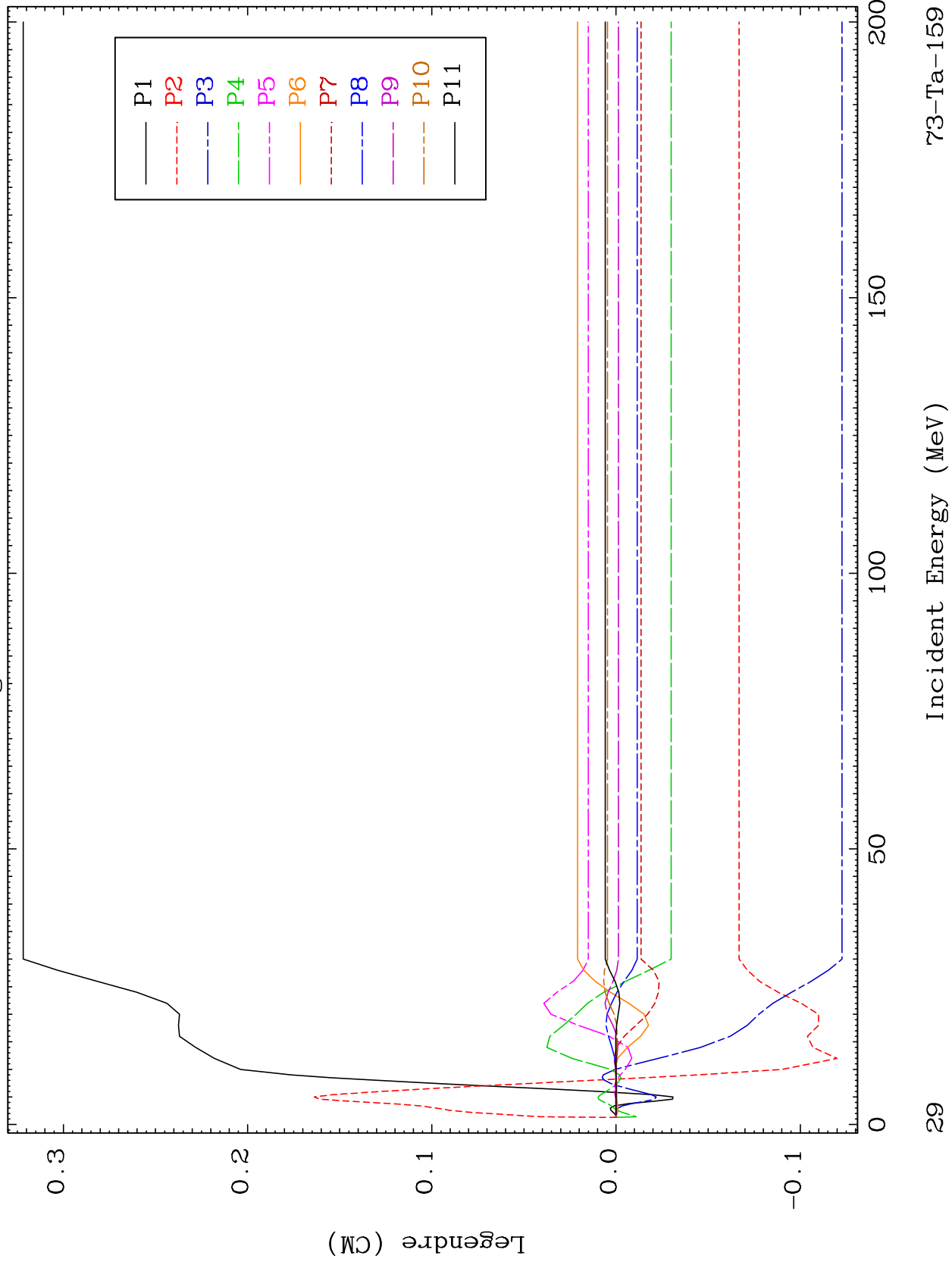
73-Ta-159



MAT 7262

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

73-Ta-159



73-Ta-159

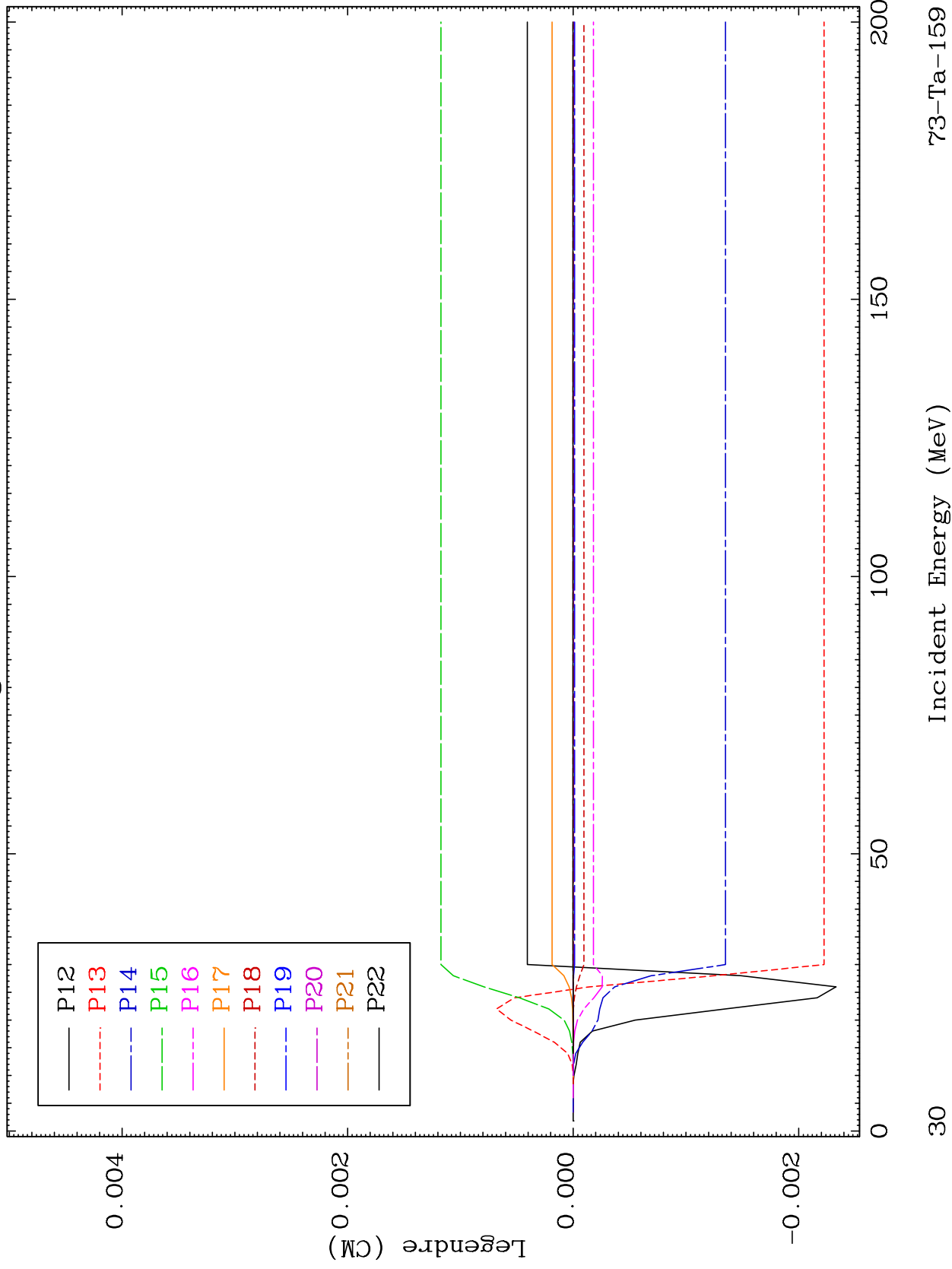
Incident Energy (MeV)

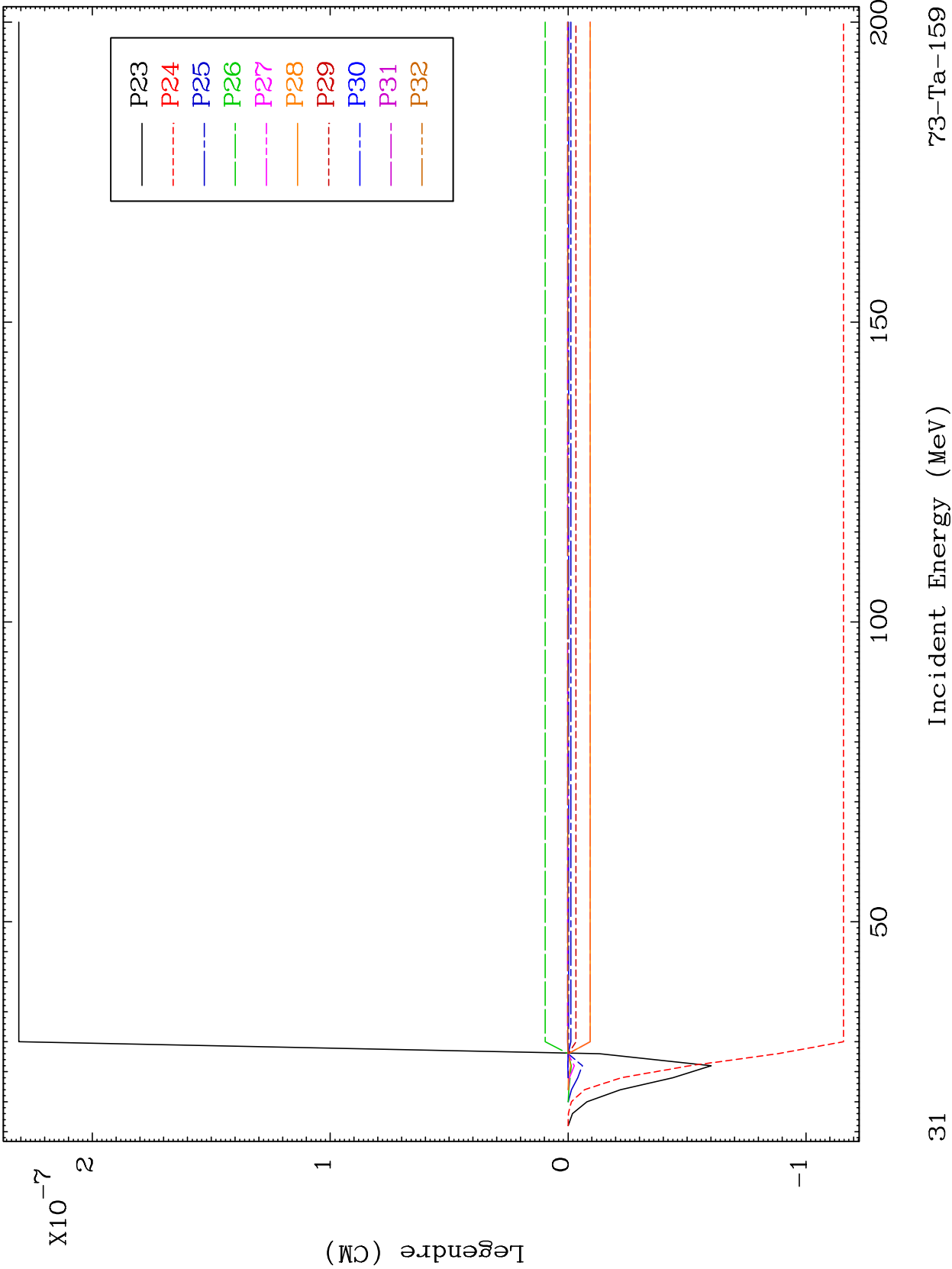
29

MAT 7262

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

73-Ta-159



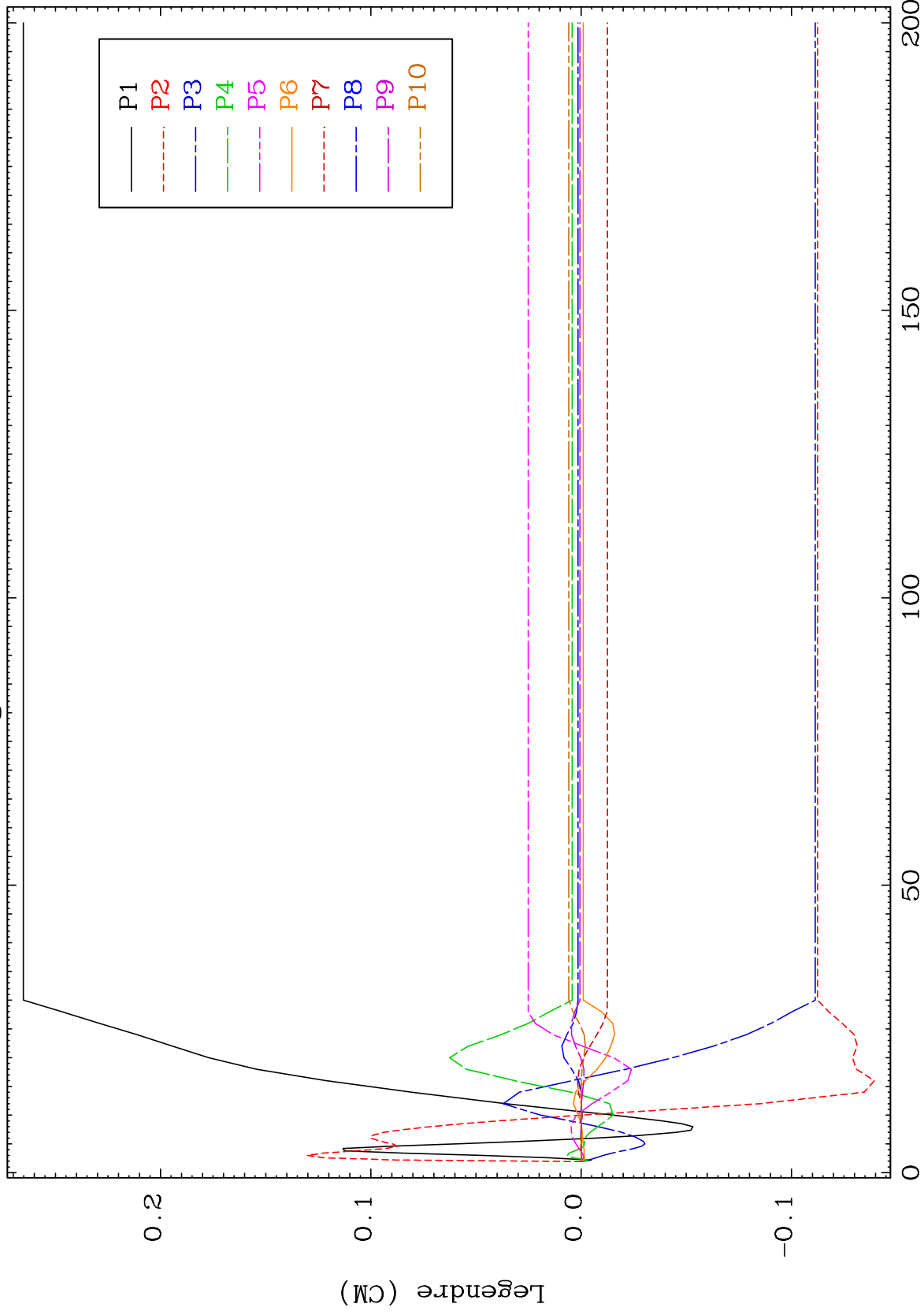




MAT 7262

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

73-Ta-159



32

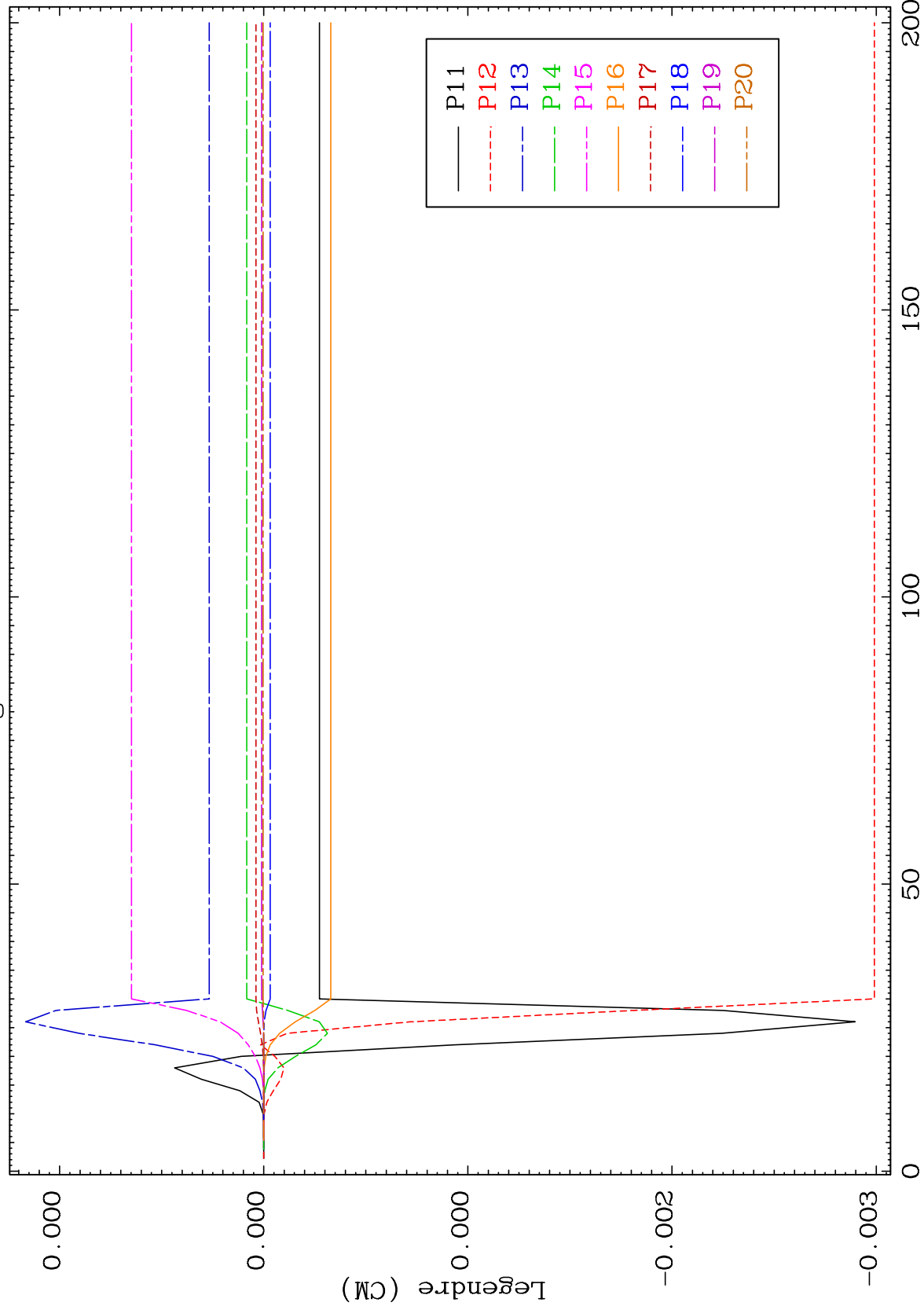
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



33

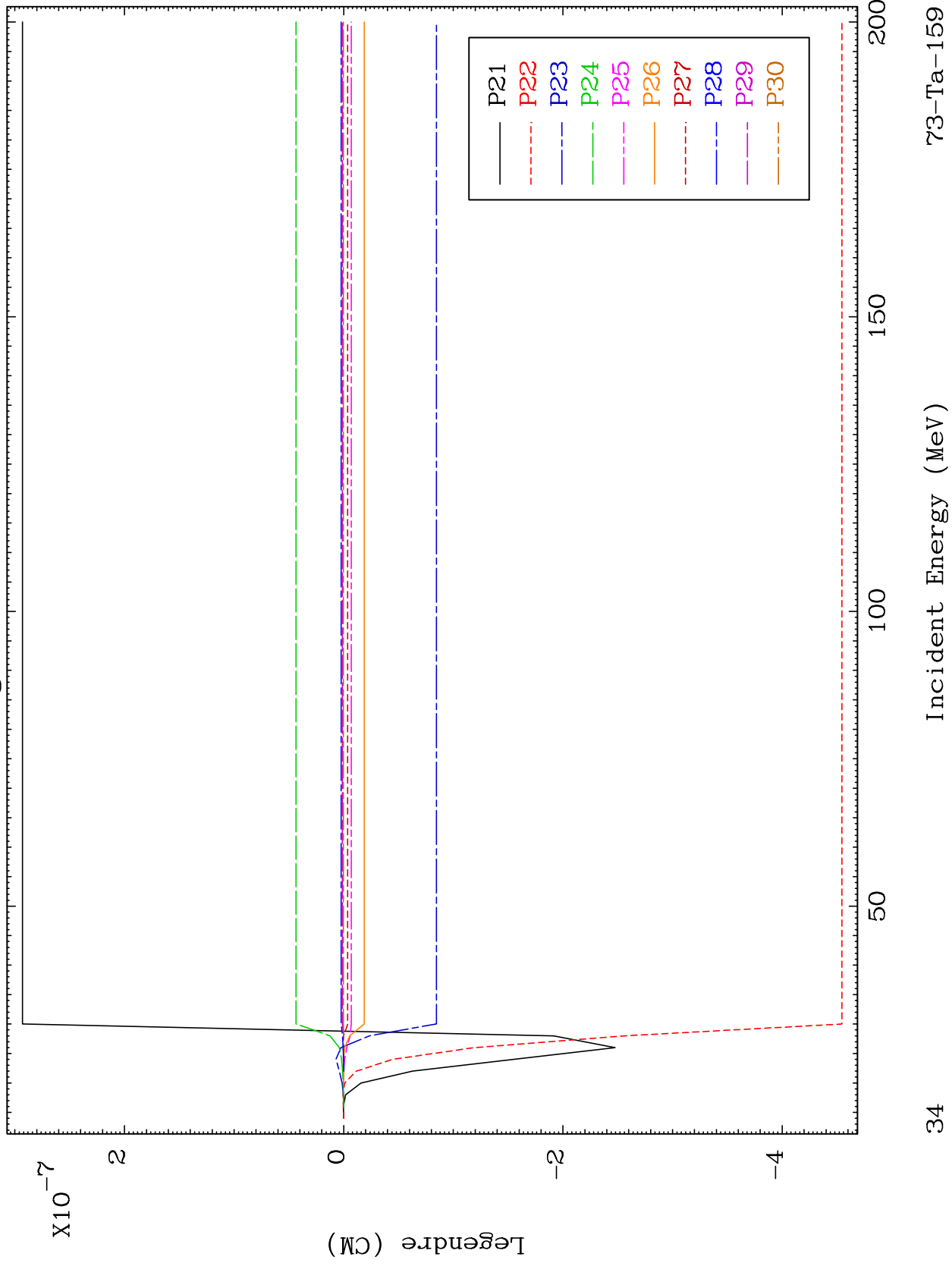
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

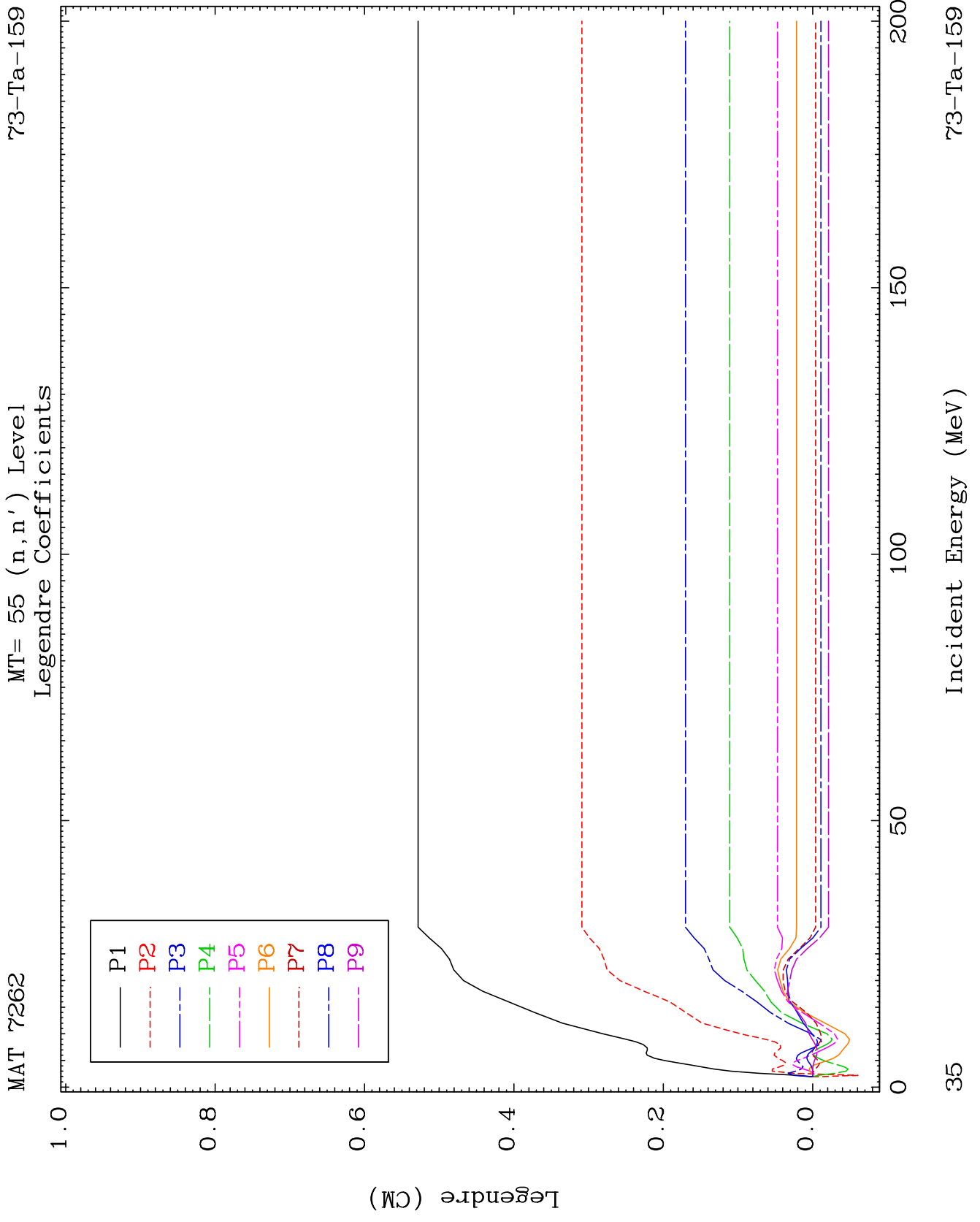
73-Ta-159



34

Incident Energy (MeV)

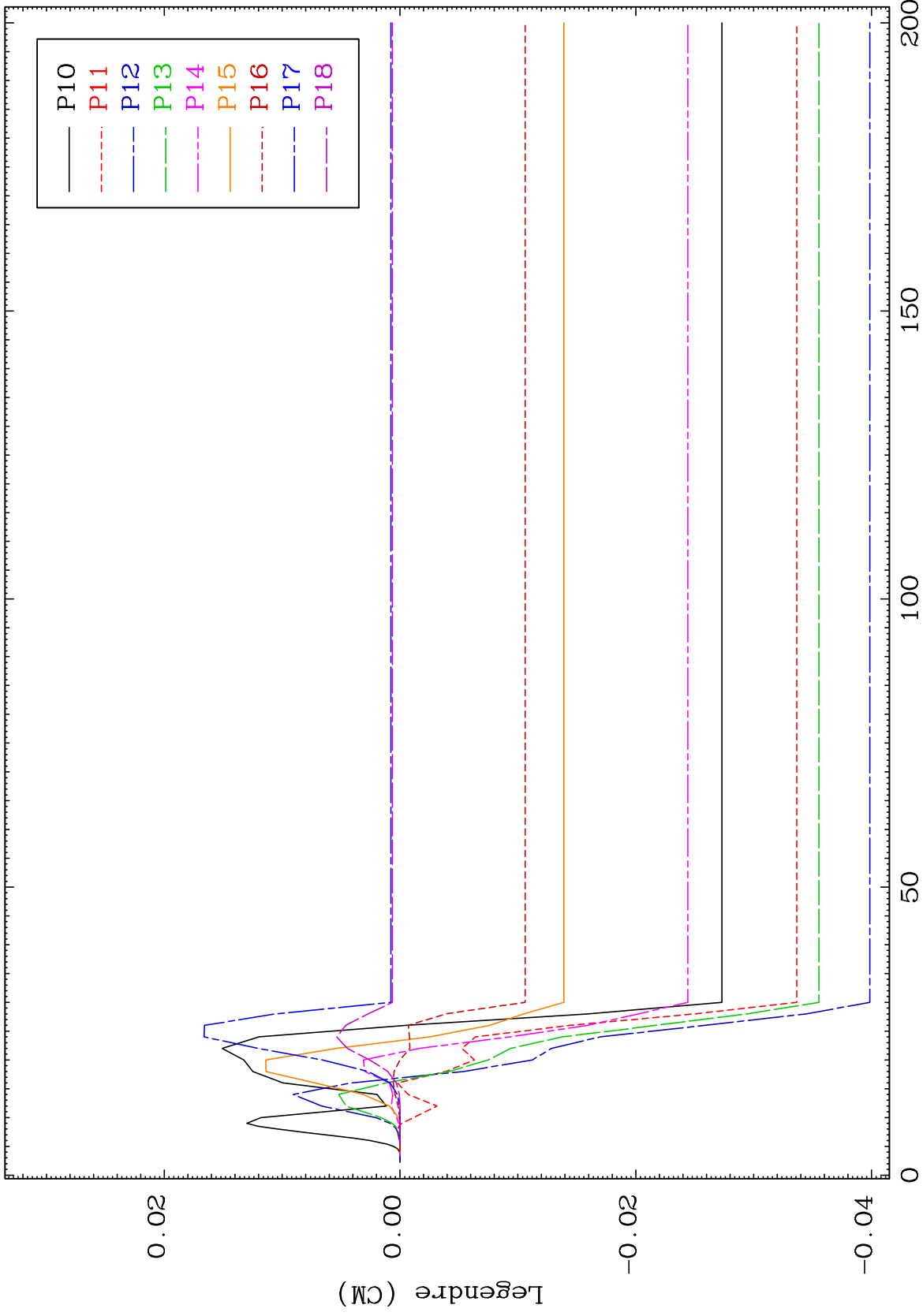
73-Ta-159



MAT 7262

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

73-Ta-159



36

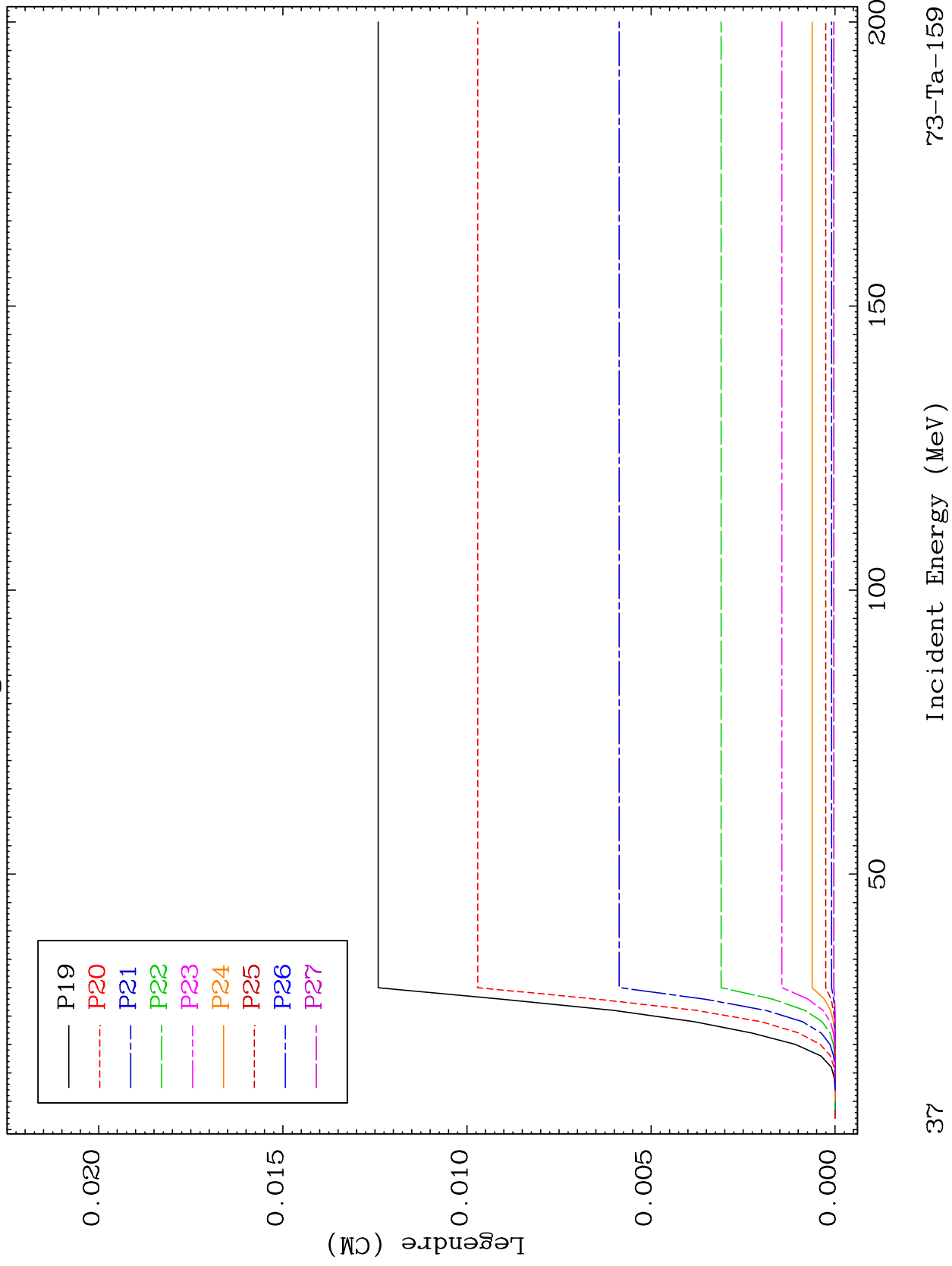
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



37

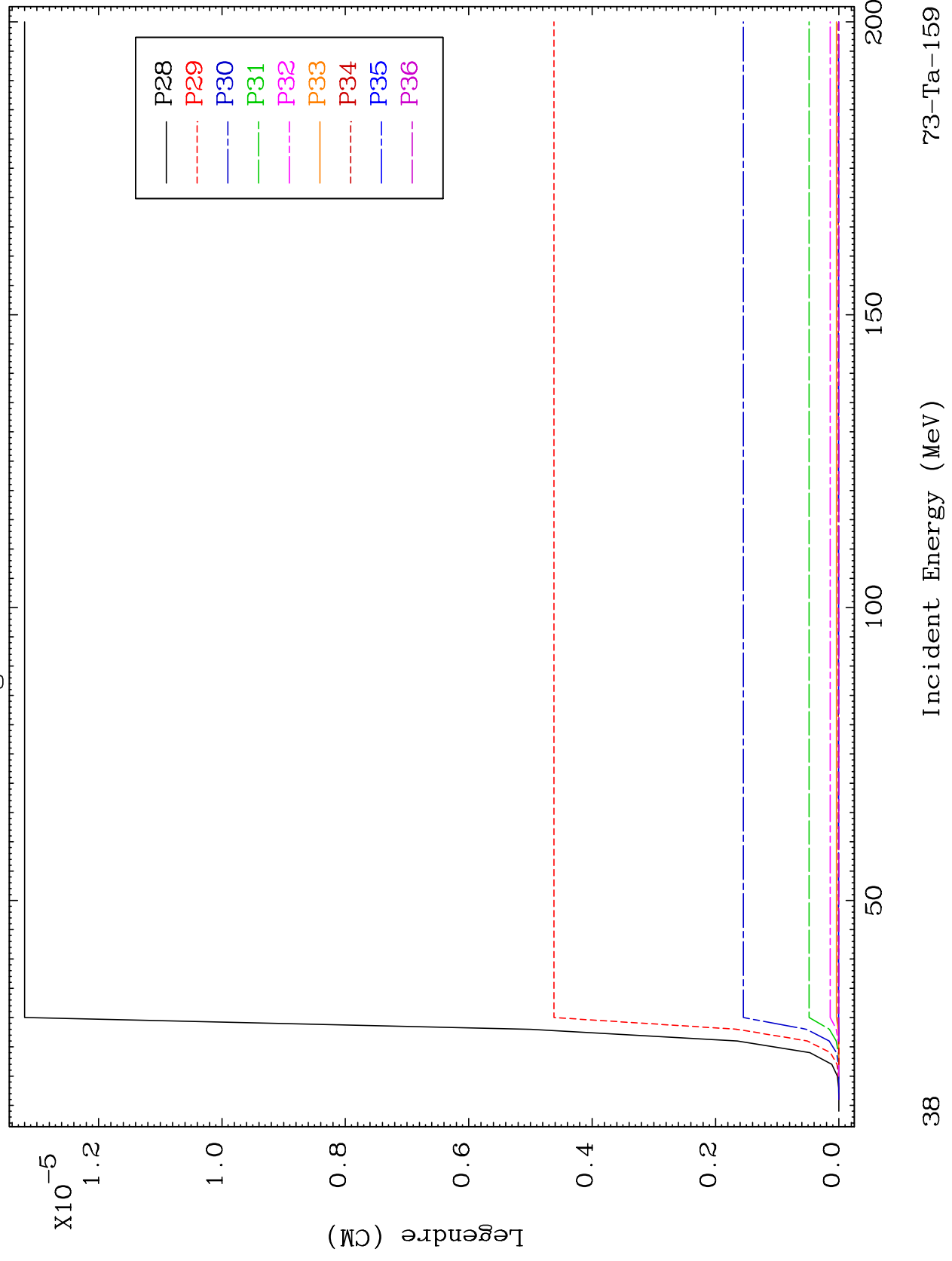
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



73-Ta-159

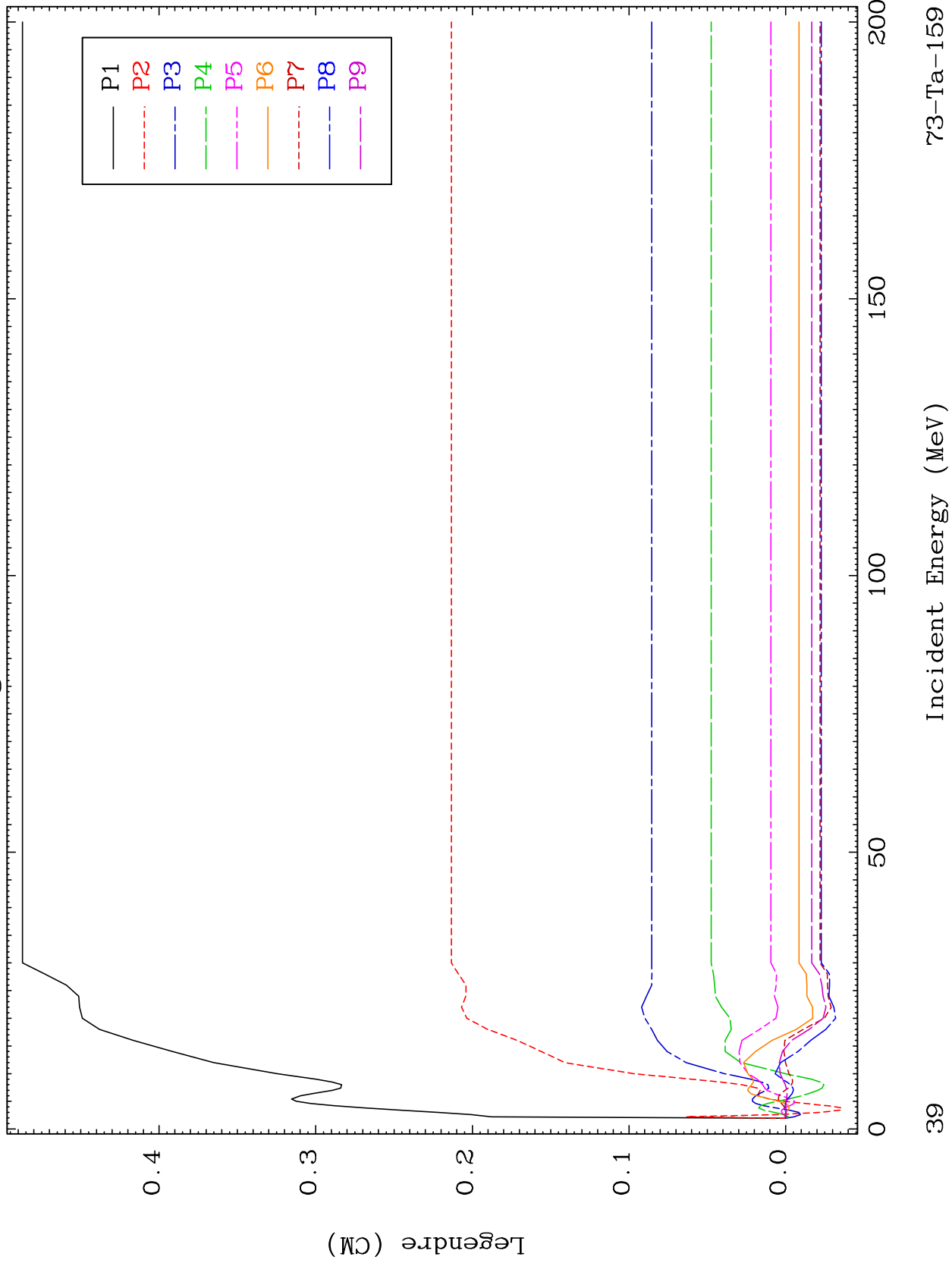
Incident Energy (MeV)

38

MAT 7262

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

73-Ta-159



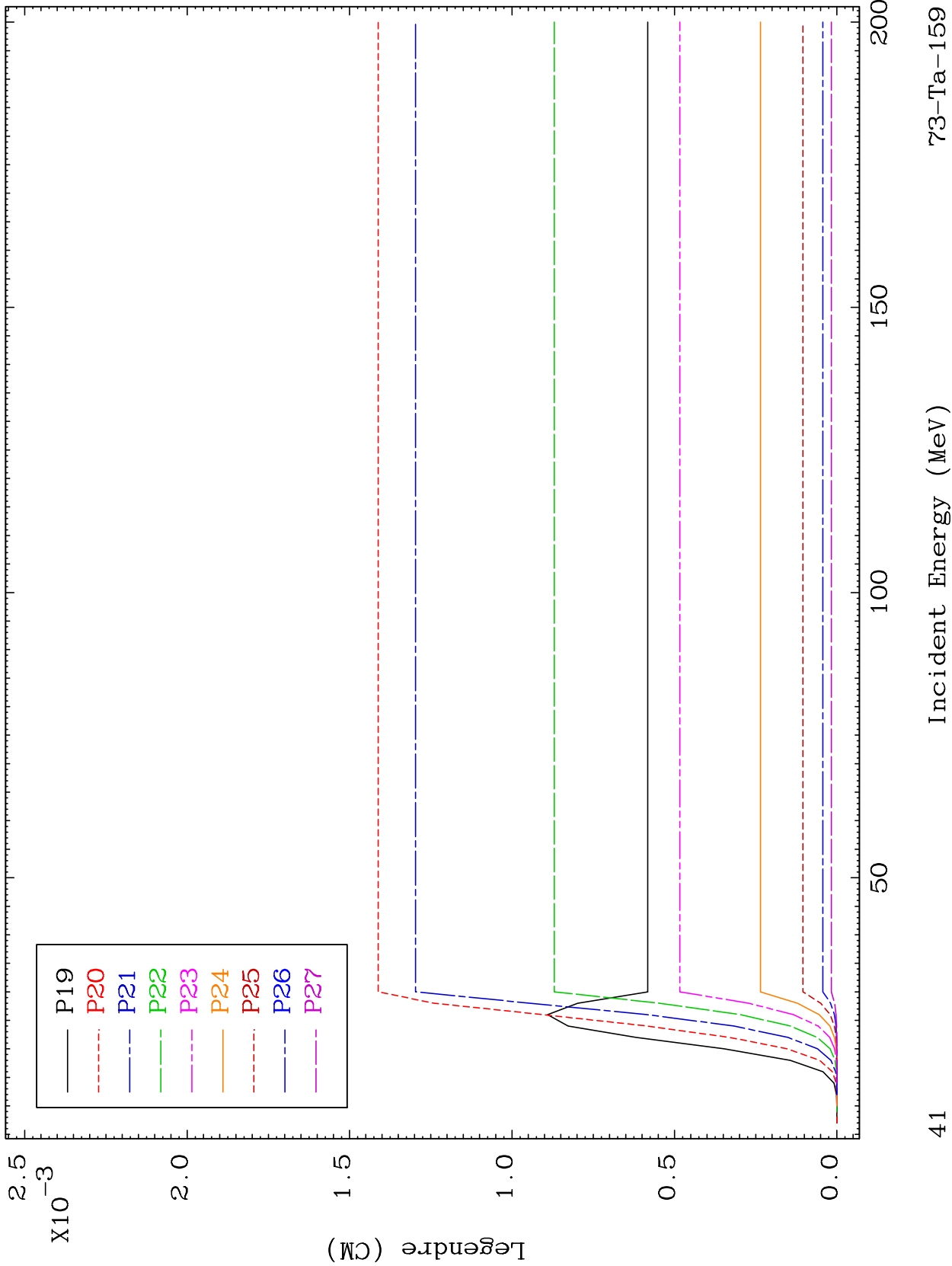
73-Ta-159

Incident Energy (MeV)

39



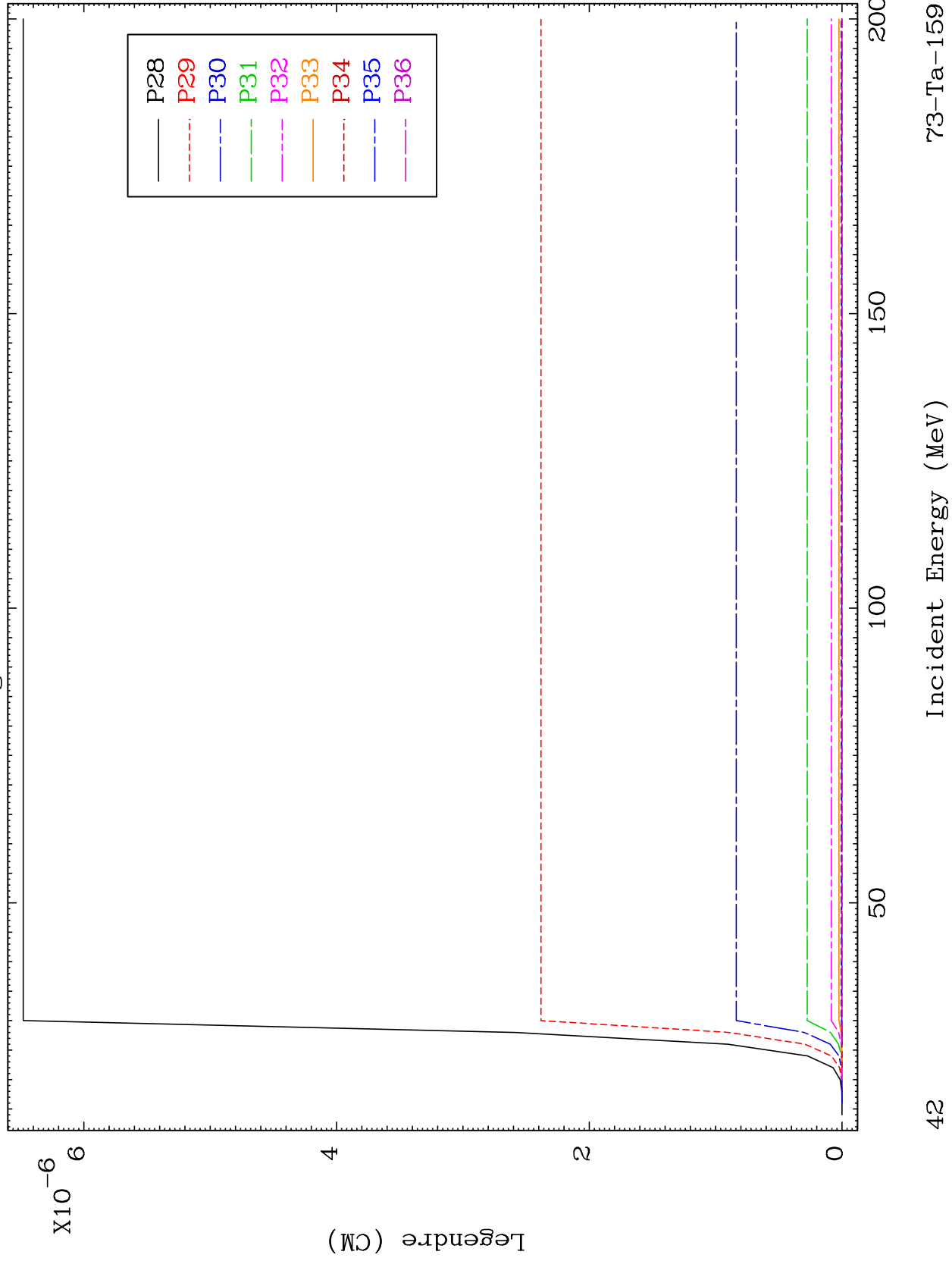




MAT 7262

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

73-Ta-159



42

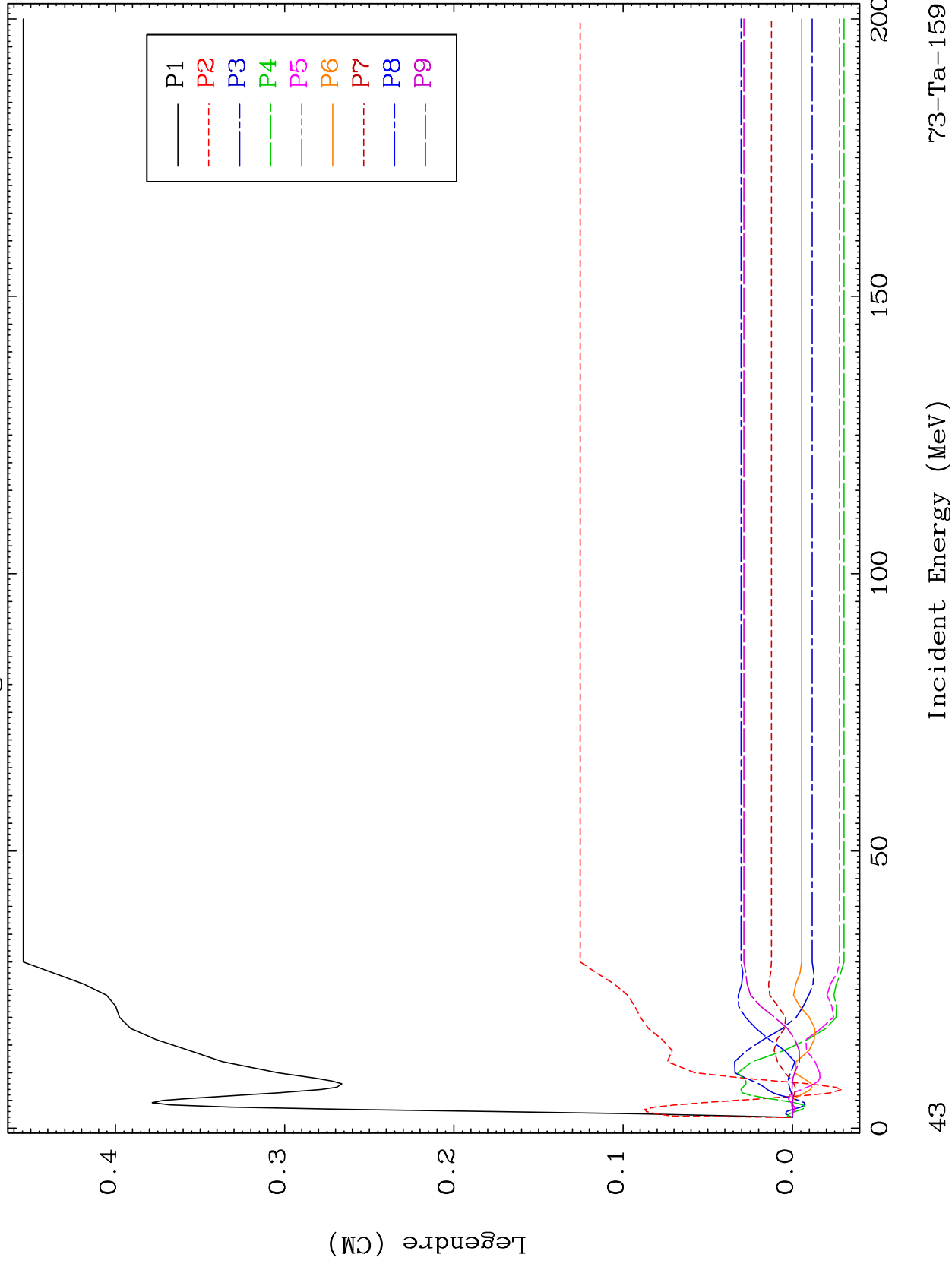
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



73-Ta-159

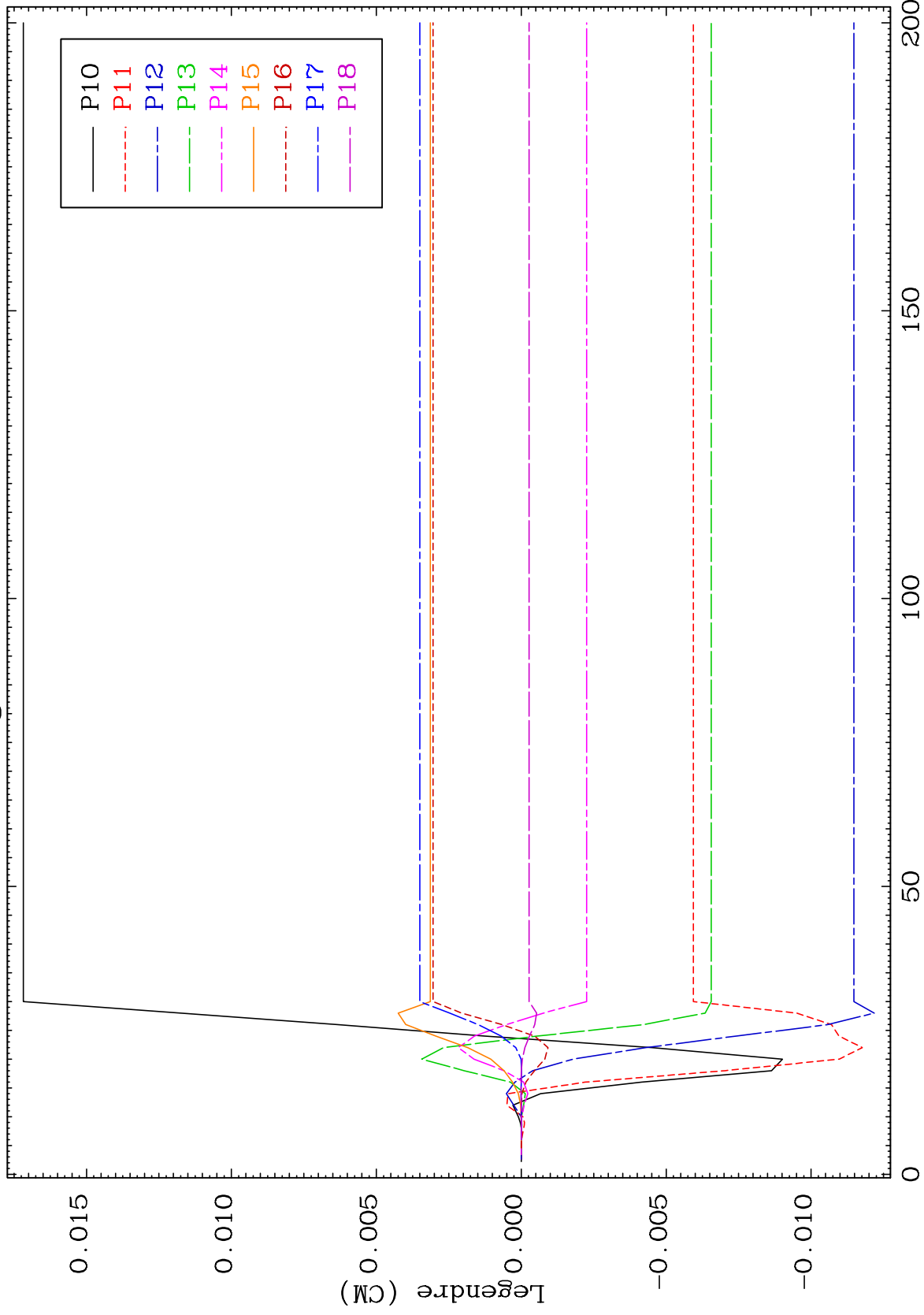
Incident Energy (MeV)

43

MAT 7262

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

73-Ta-159



44

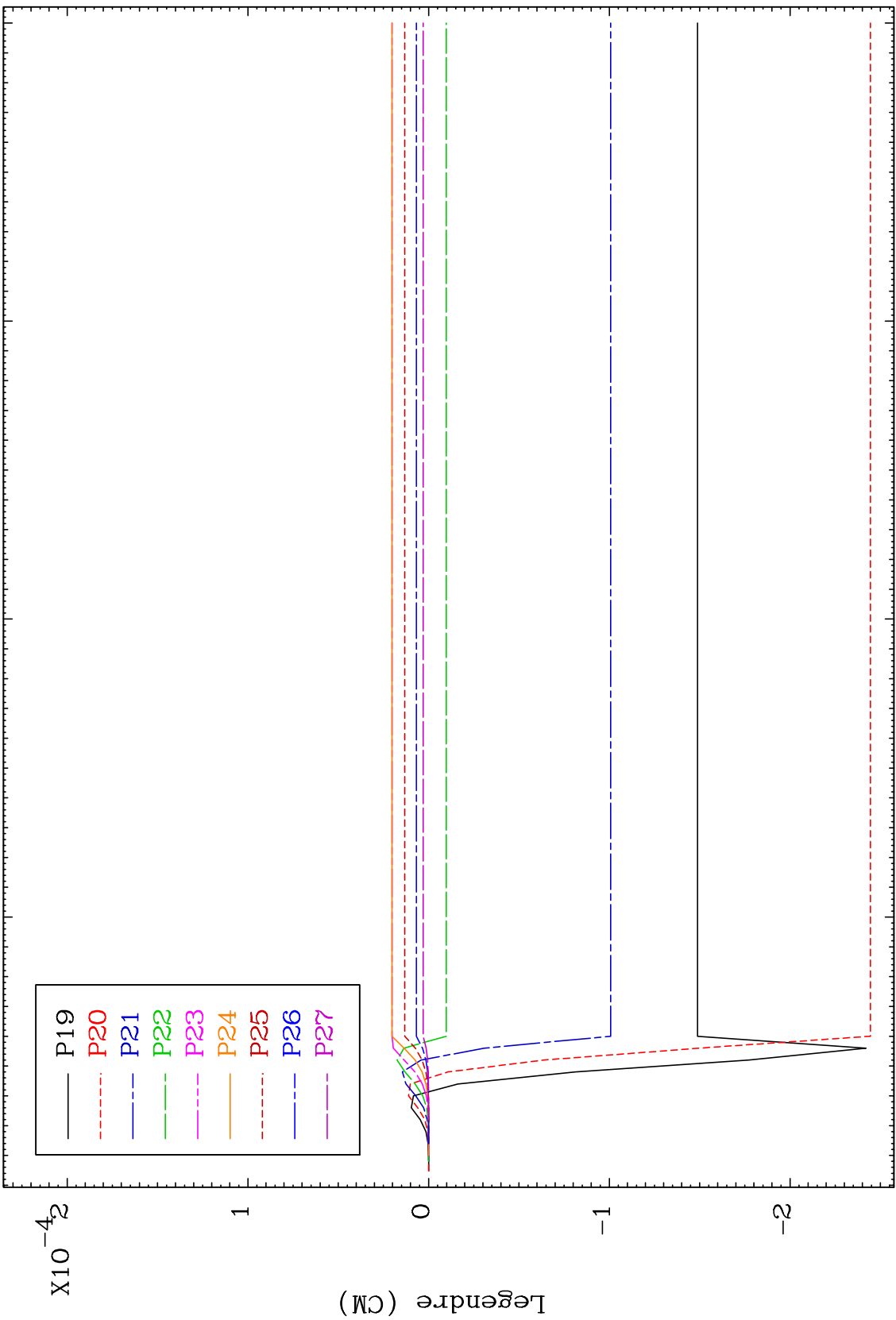
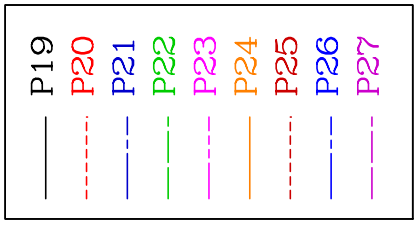
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



45

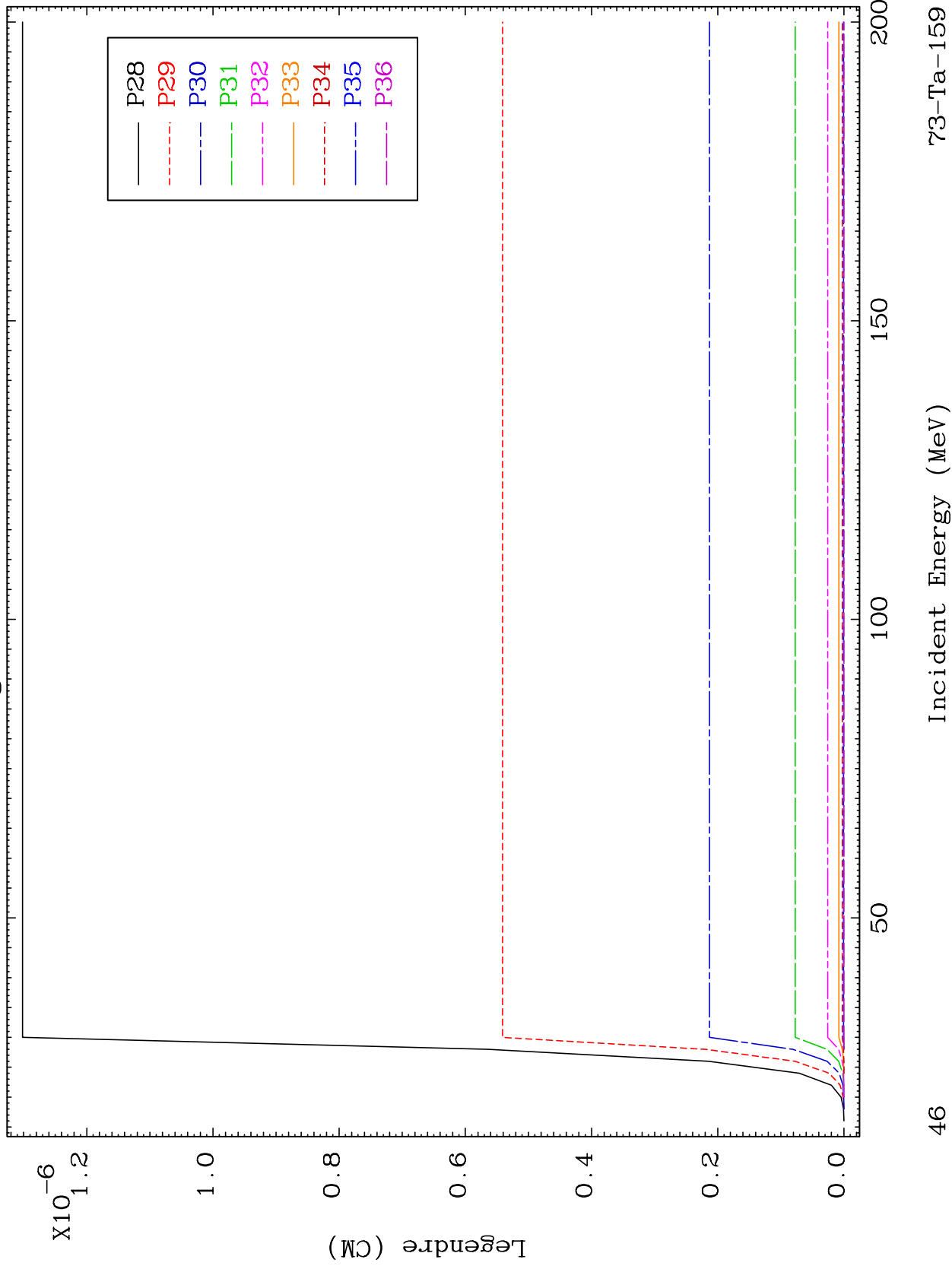
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



46

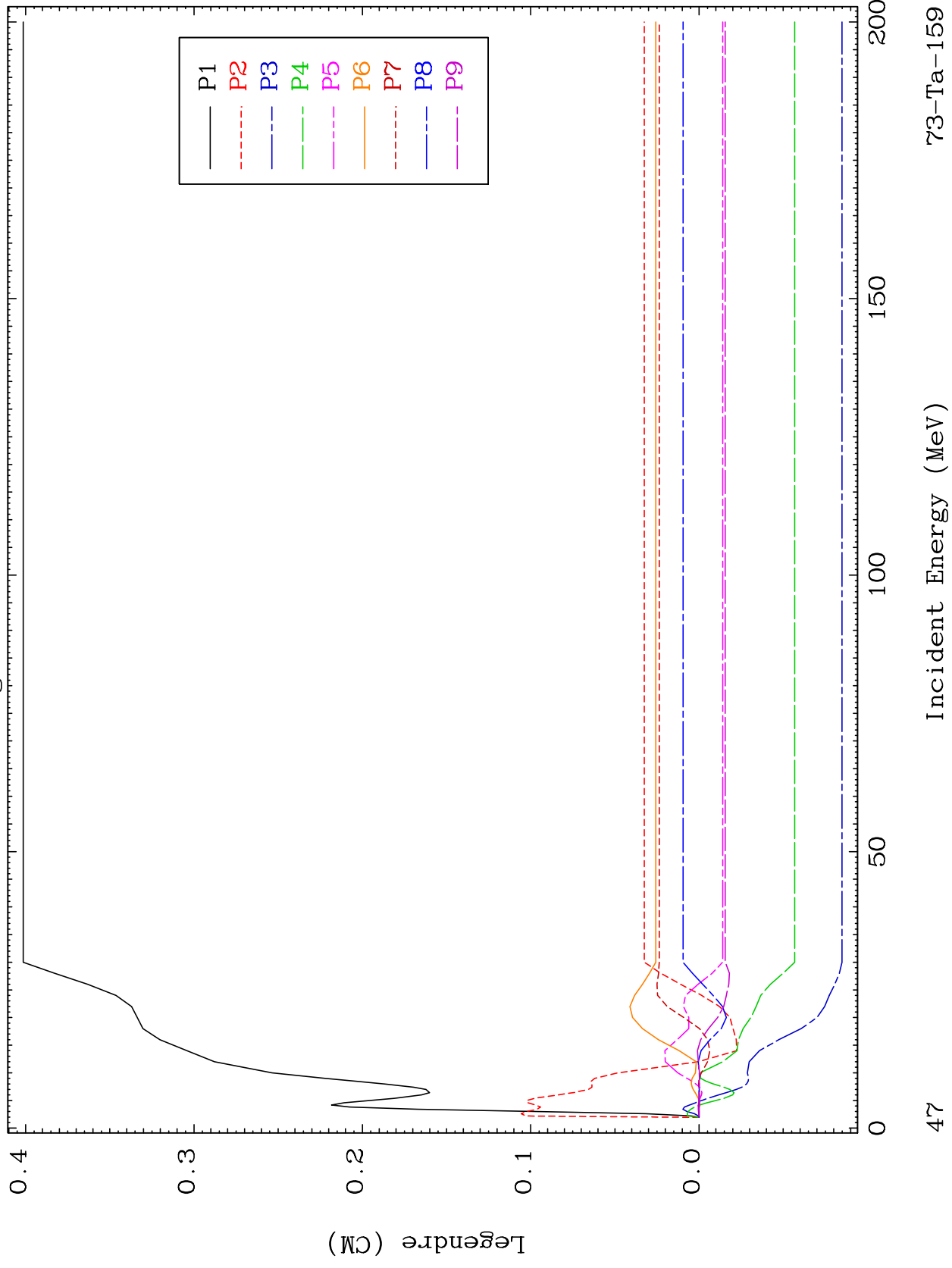
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



47

Incident Energy (MeV)

73-Ta-159

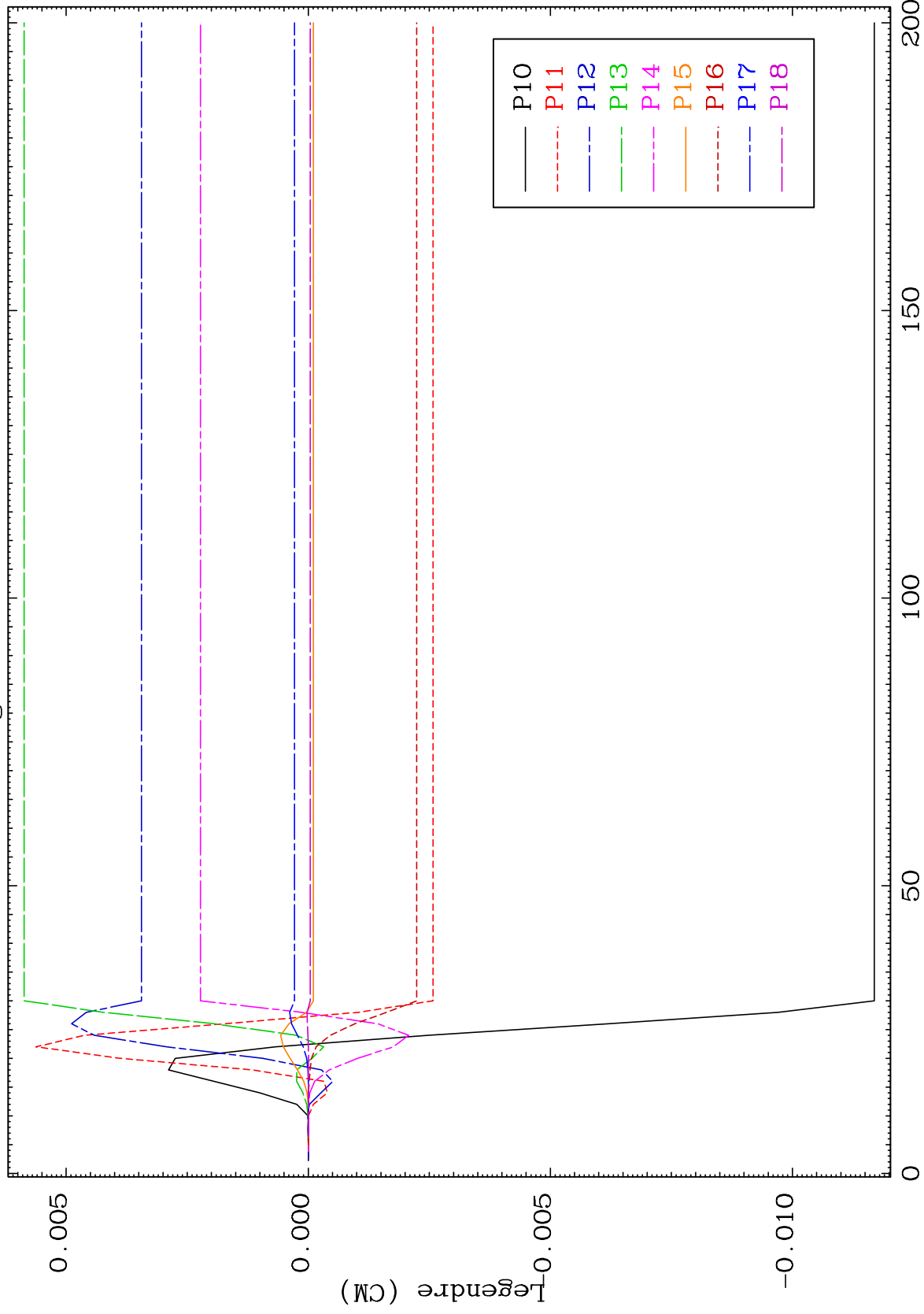


MAT 7262

MT= 58 (n,n') Level

73-Ta-159

Legendre Coefficients



48

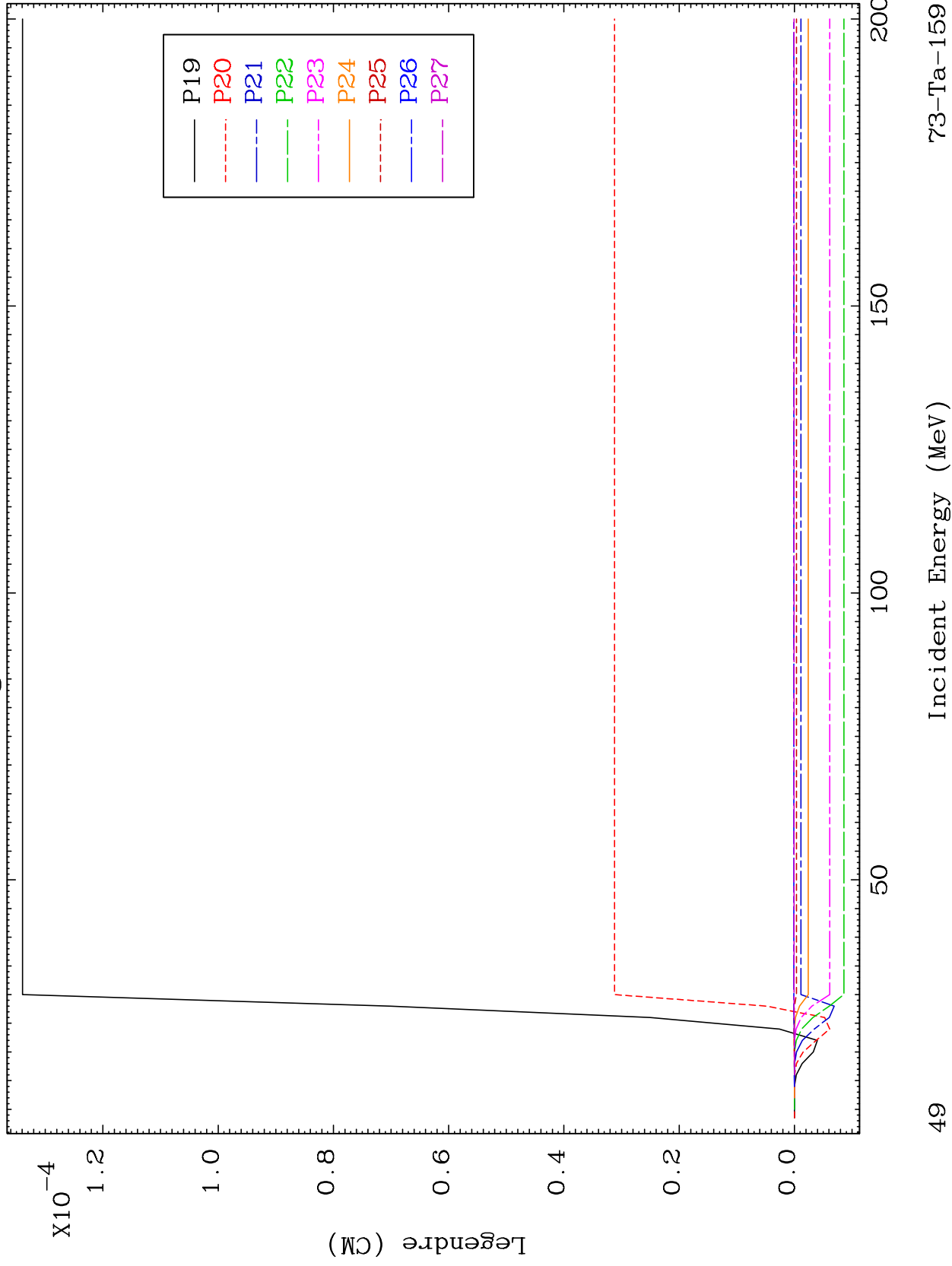
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

73-Ta-159



49

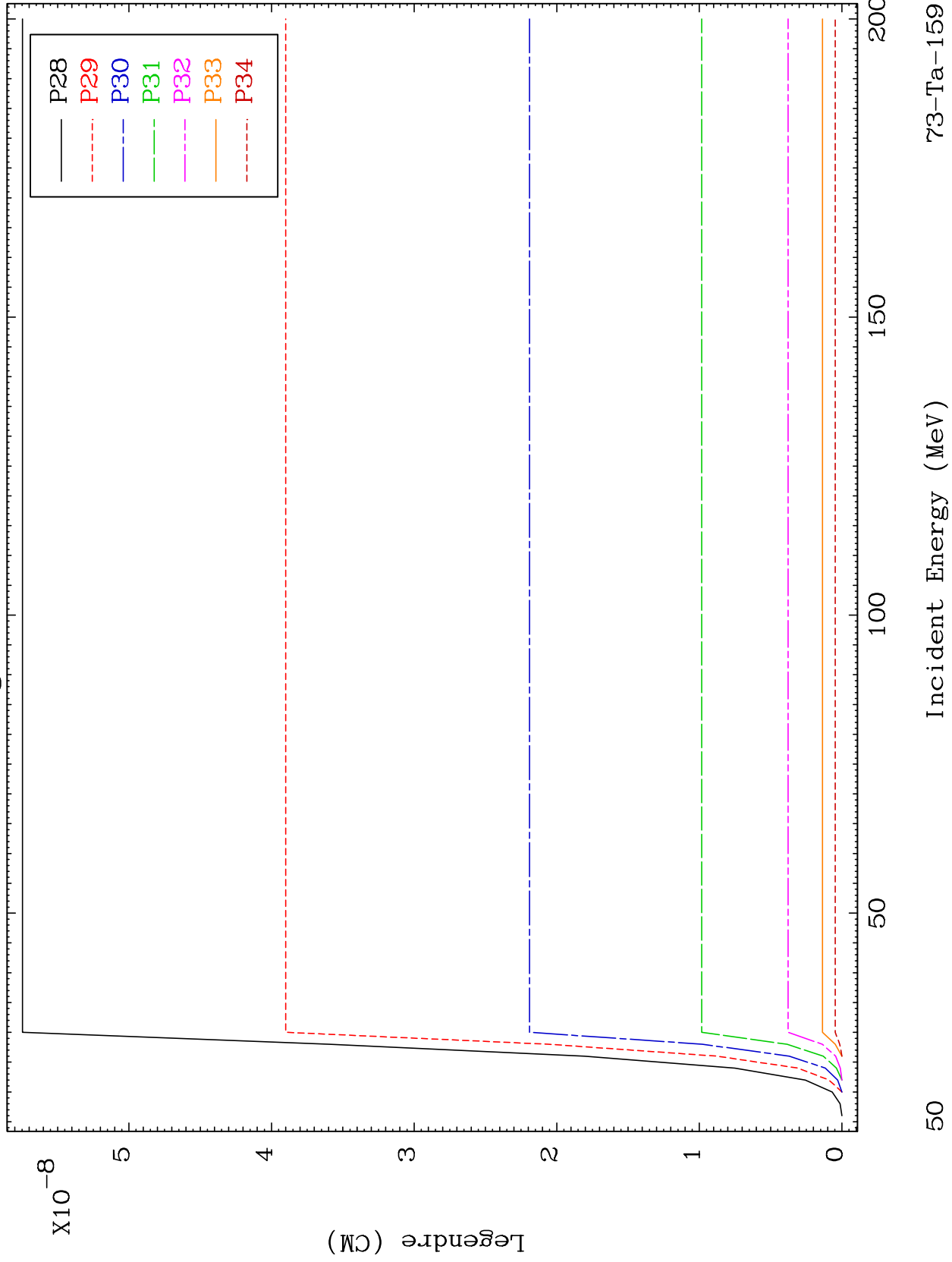
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

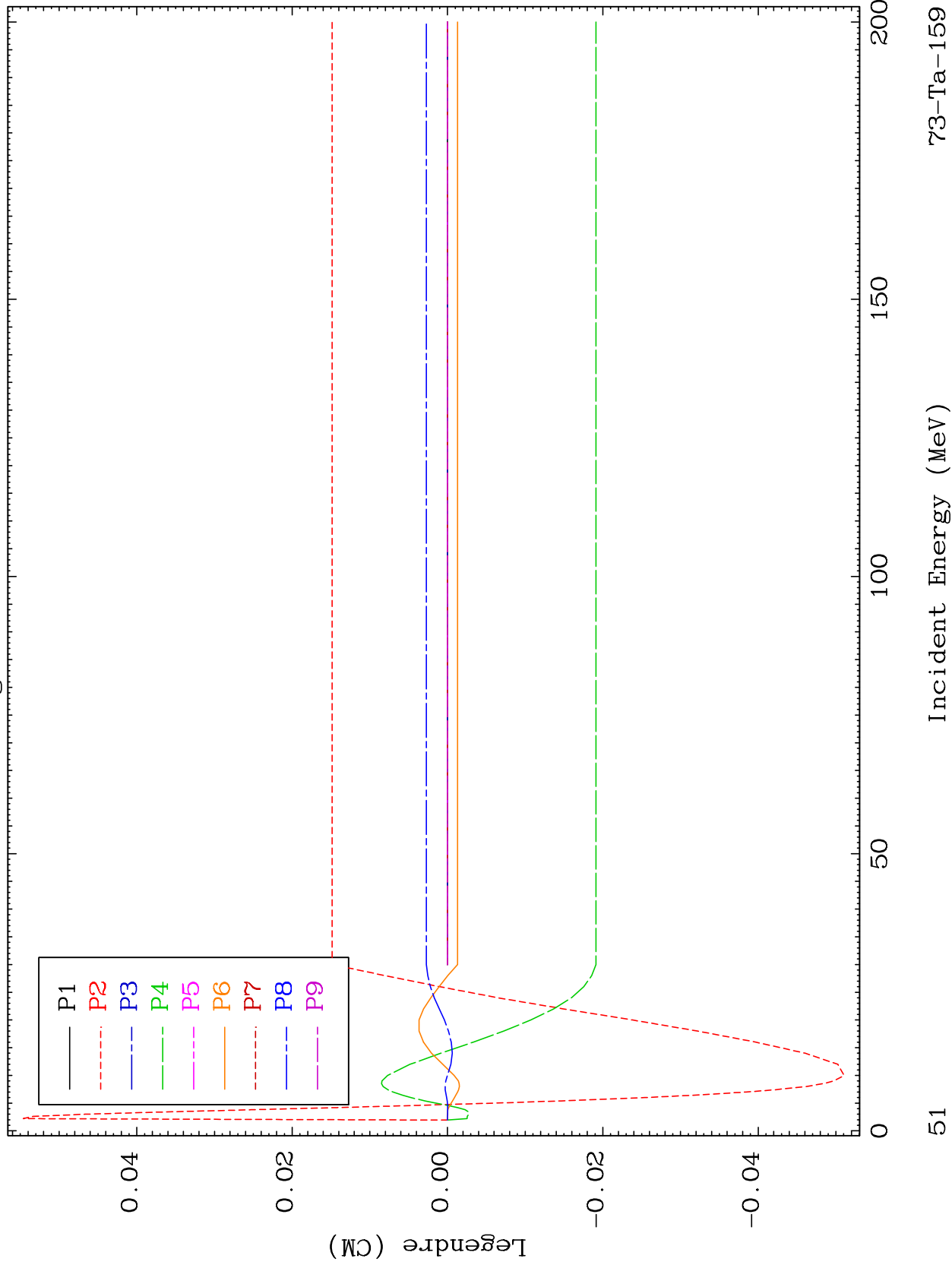
73-Ta-159



MAT 7262

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

73-Ta-159



51

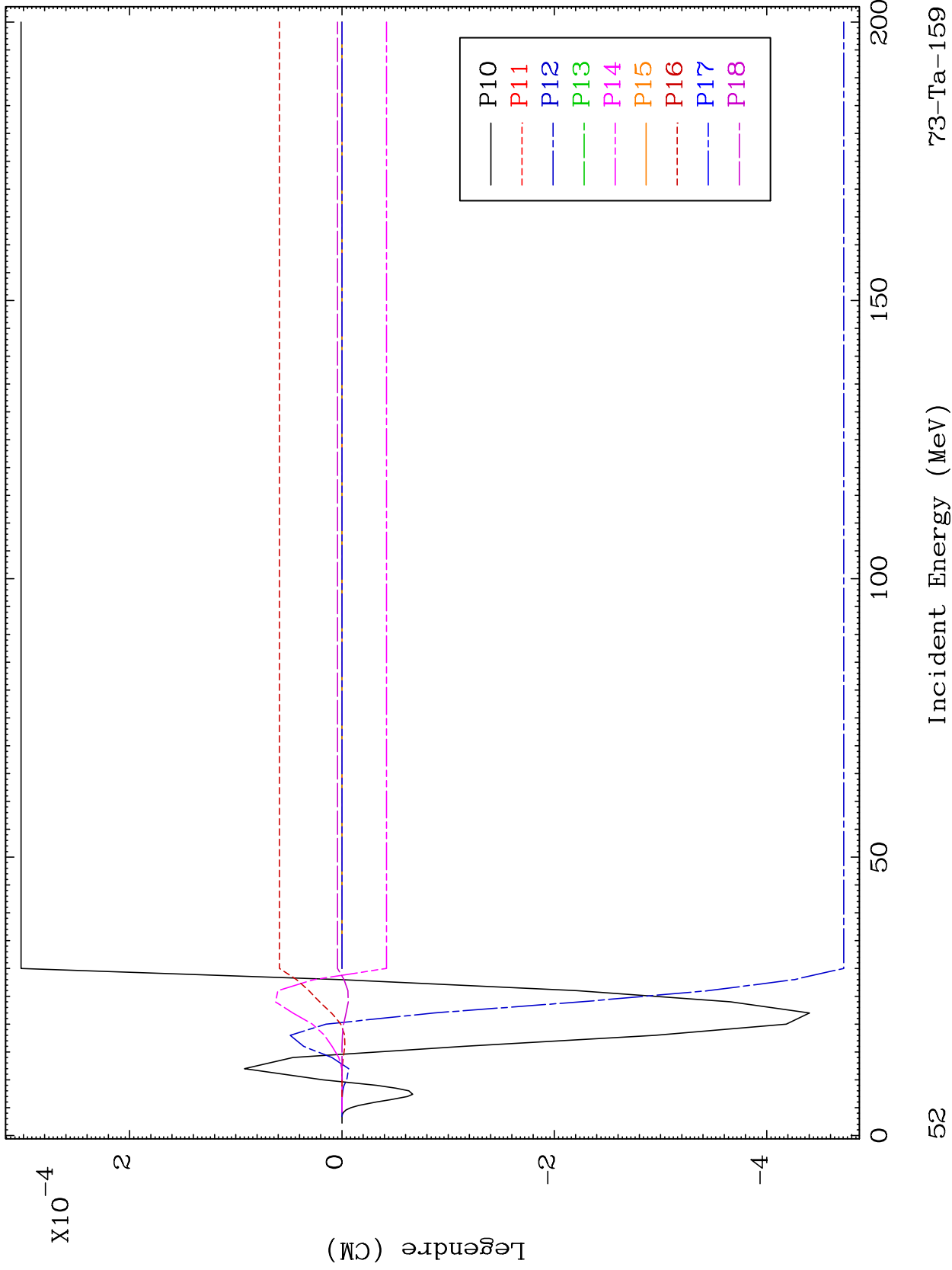
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

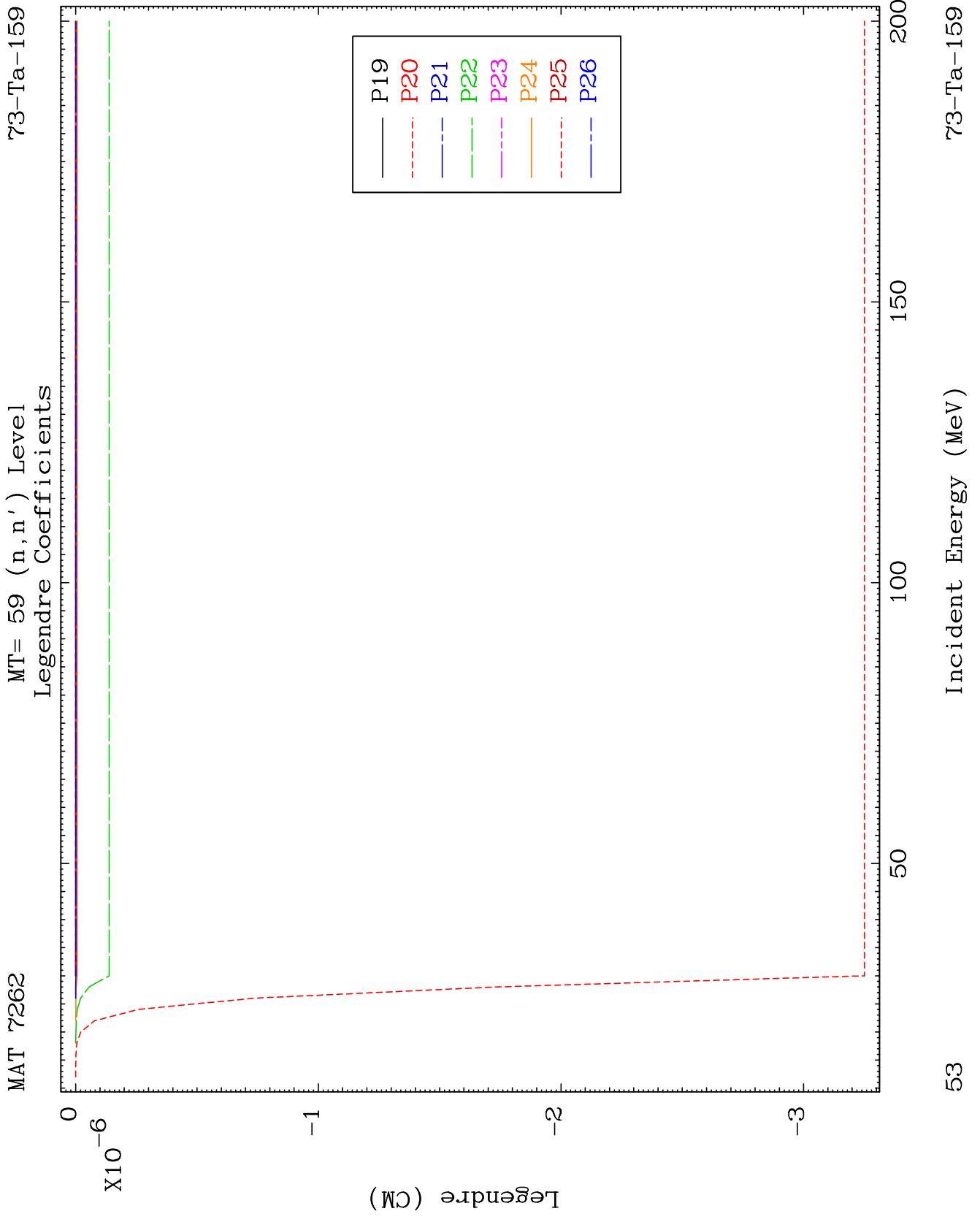
73-Ta-159



73-Ta-159

Incident Energy (MeV)

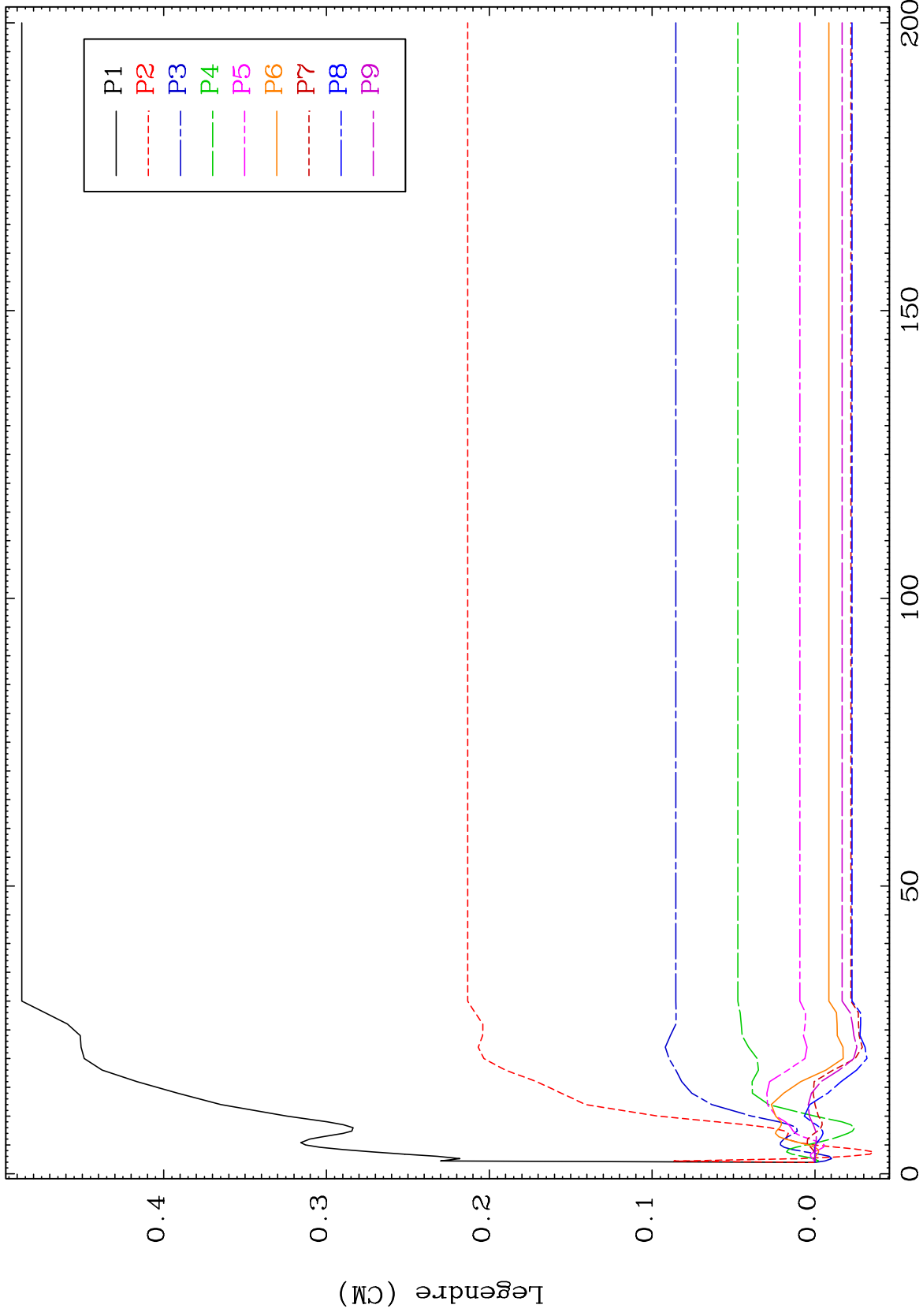
52



MAT 7262

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

<sup>73</sup>Ta-159



54

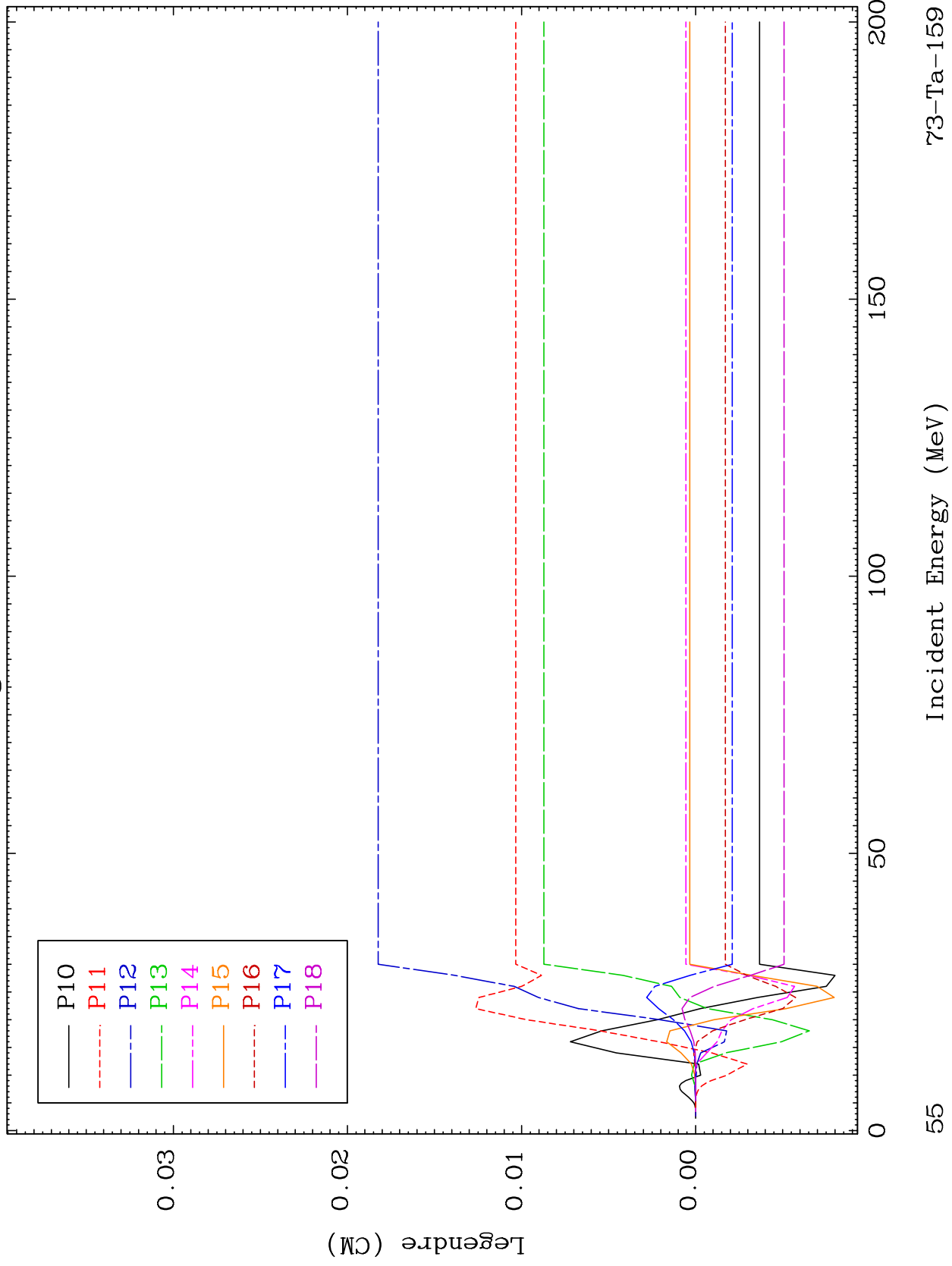
Incident Energy (MeV)

<sup>73</sup>Ta-159

MAT 7262

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

73-Ta-159

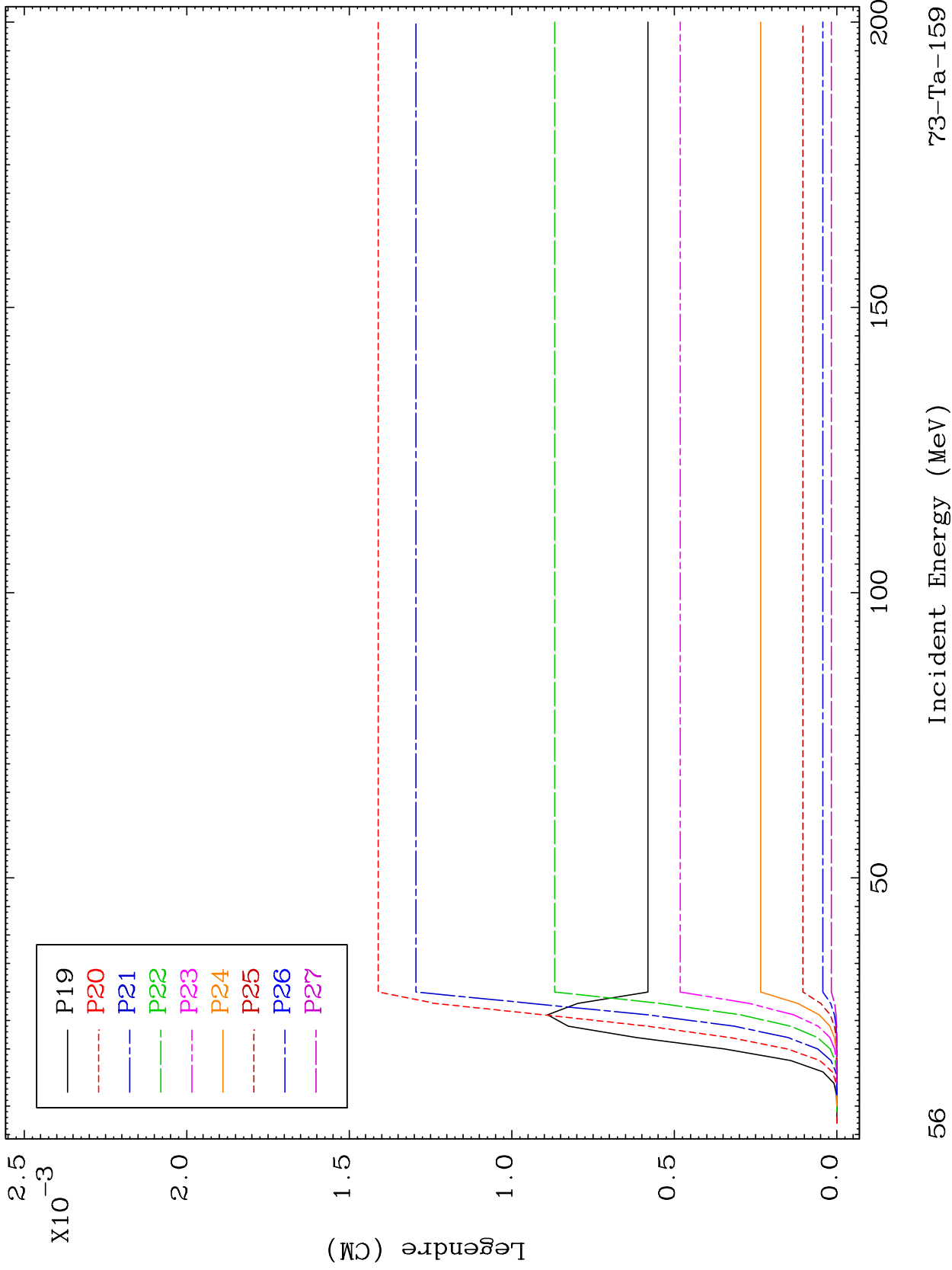


73-Ta-159

Incident Energy (MeV)

55

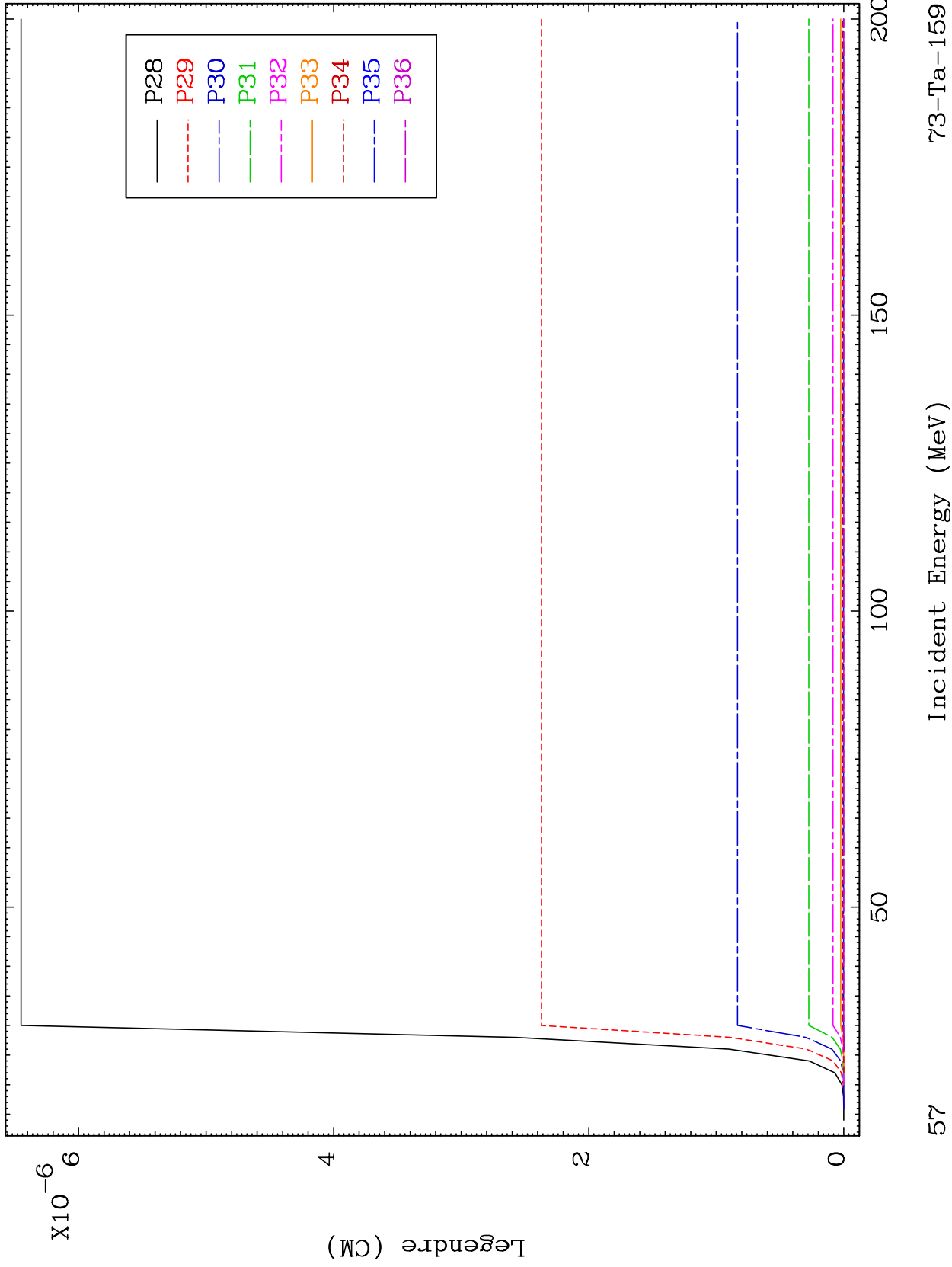




MAT 7262

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

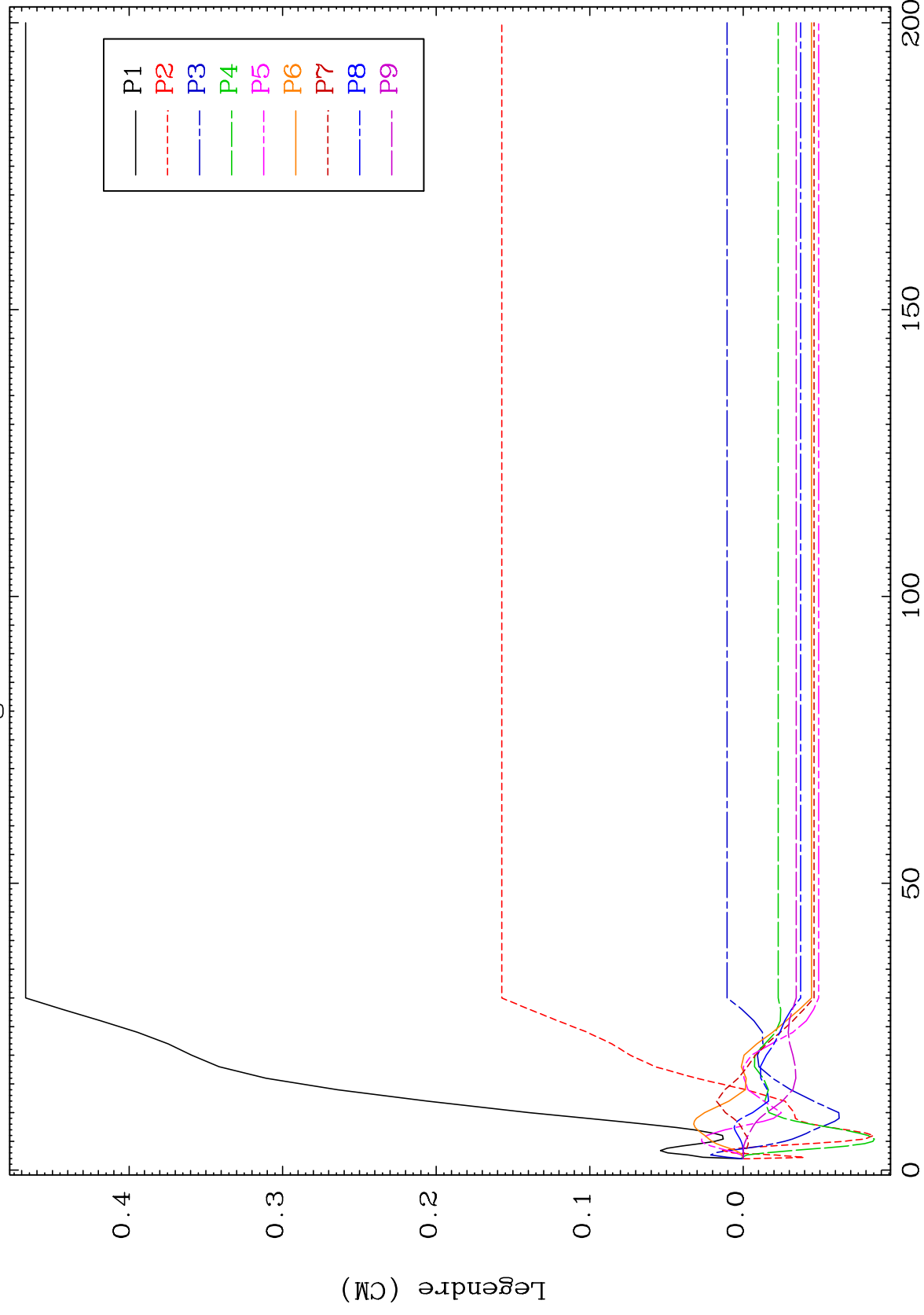
73-Ta-159



MAT 7262

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

73-Ta-159



73-Ta-159

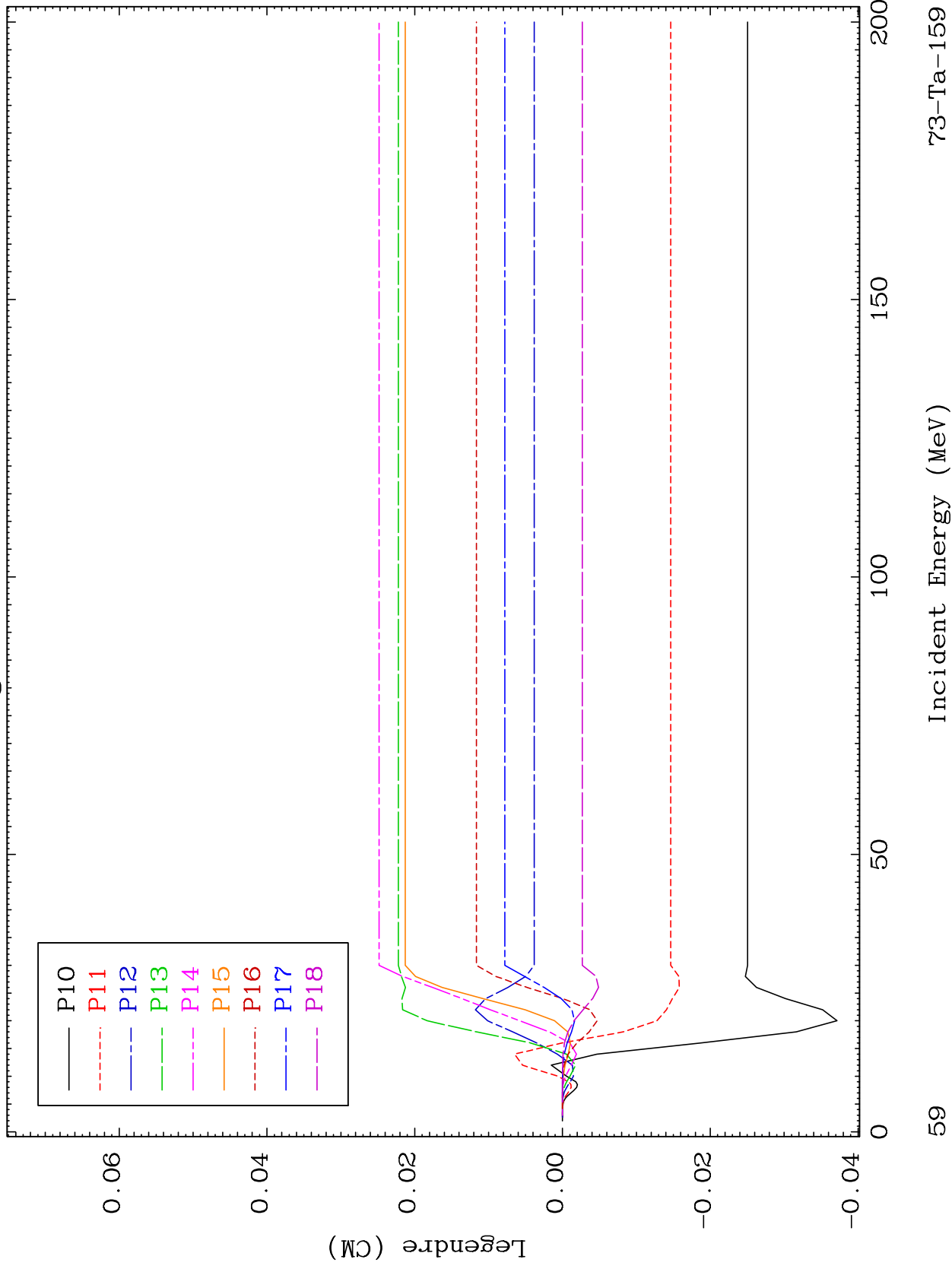
Incident Energy (MeV)

58

MAT 7262

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

73-Ta-159

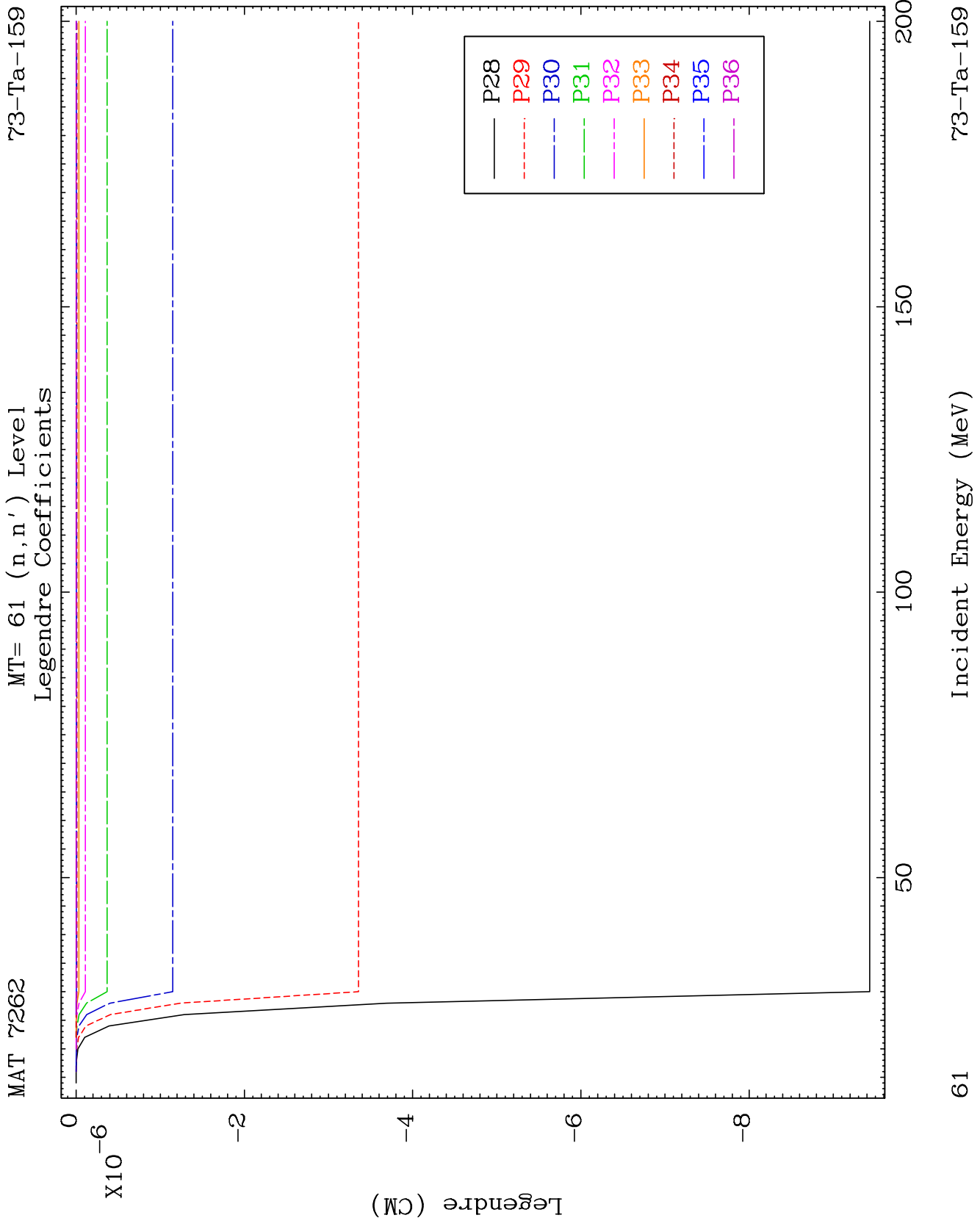


73-Ta-159

Incident Energy (MeV)

59

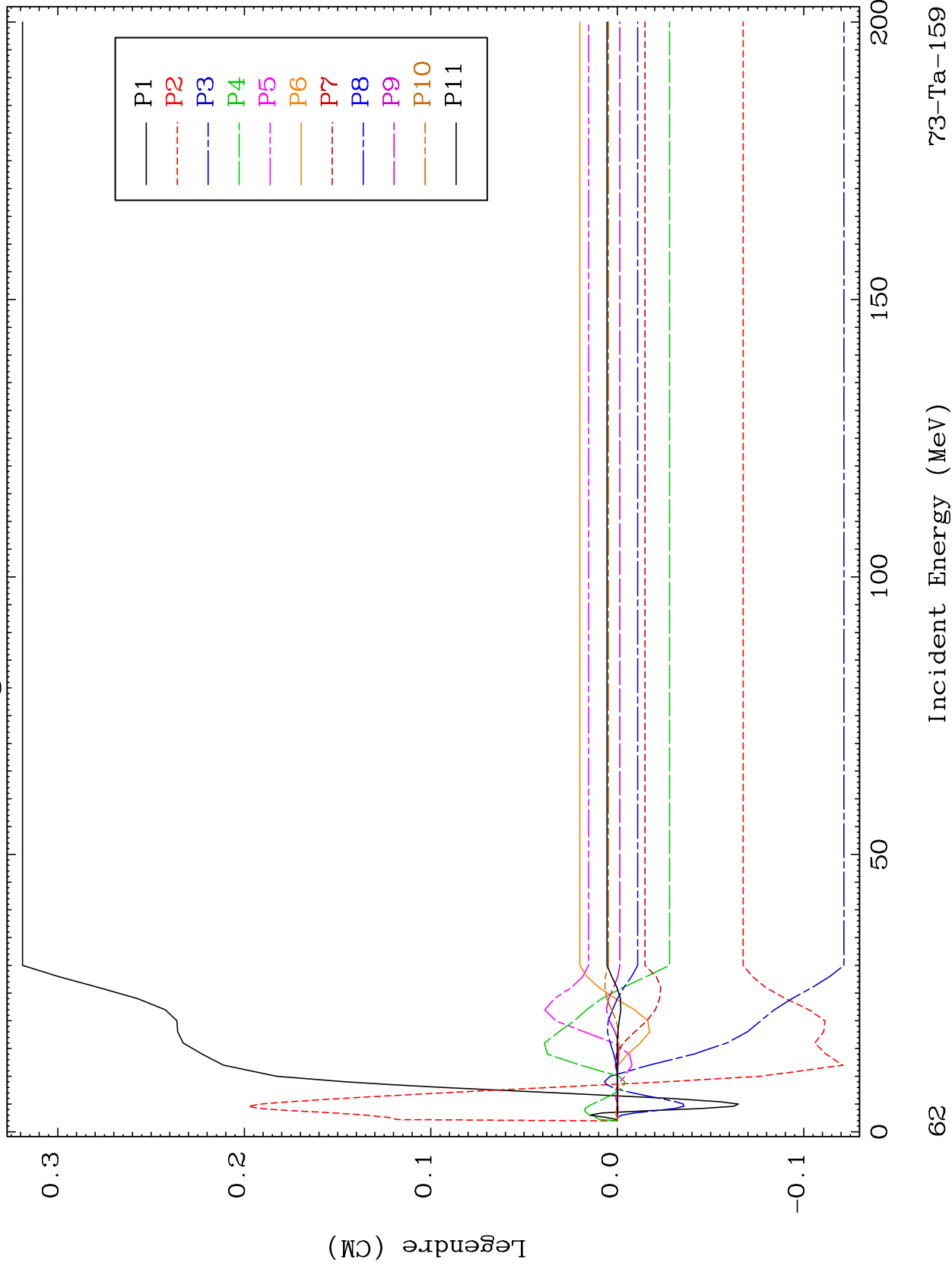




MAT 7262

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

73-Ta-159



73-Ta-159

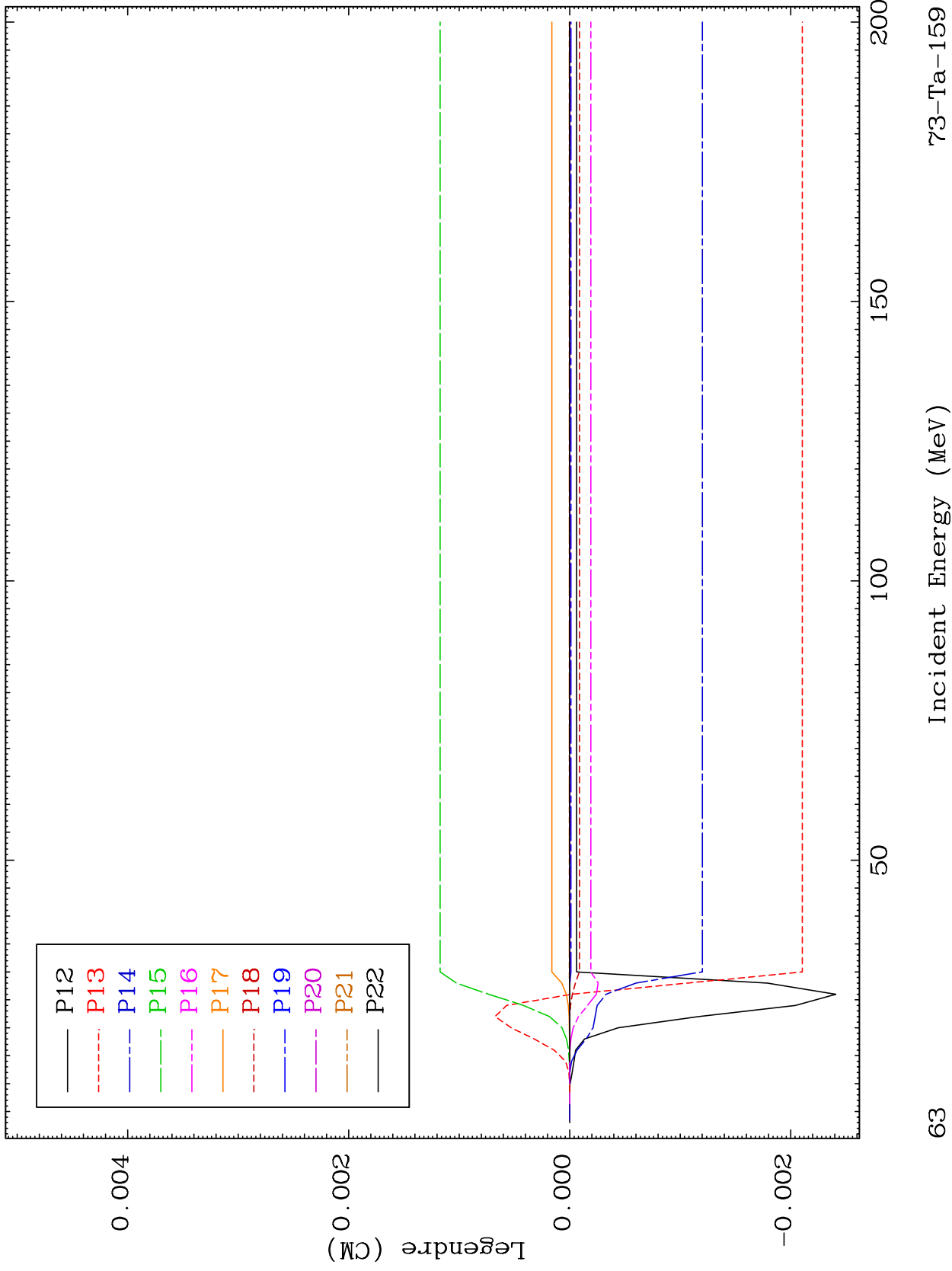
Incident Energy (MeV)

62

MAT 7262

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

73-Ta-159



63

Incident Energy (MeV)

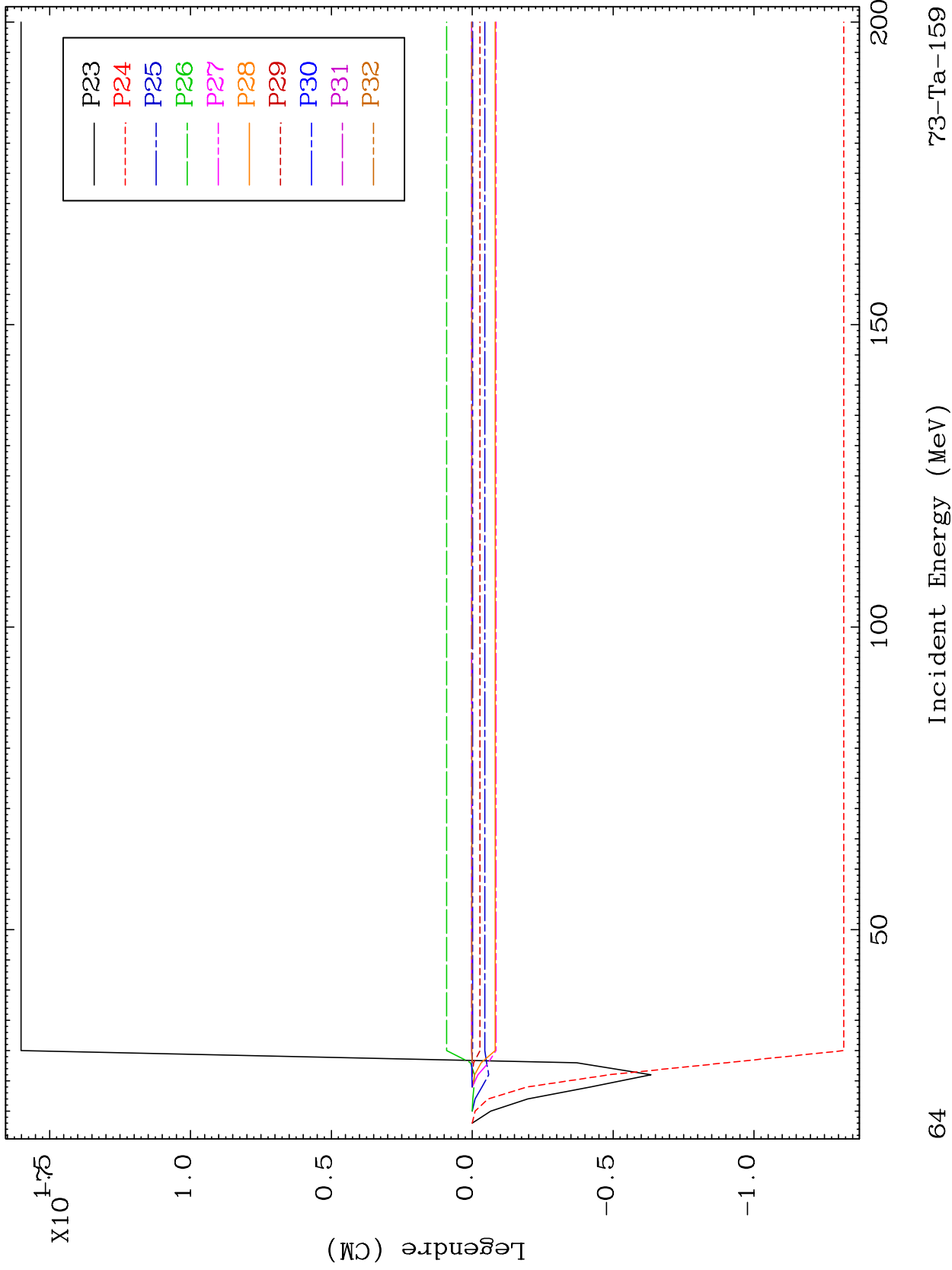
73-Ta-159



MAT 7262

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

73-Ta-159



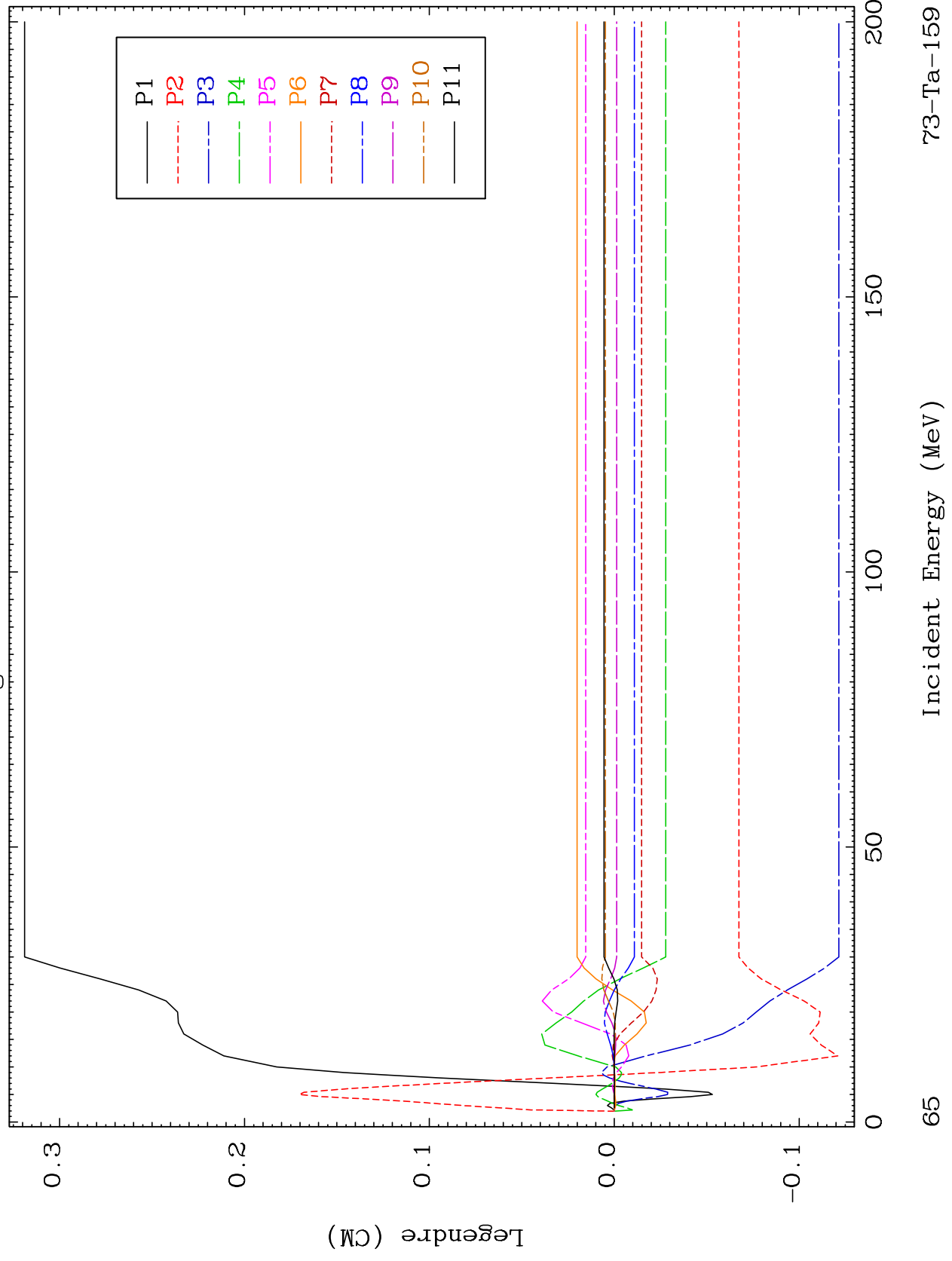
64

73-Ta-159

MAT 7262

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

73-Ta-159



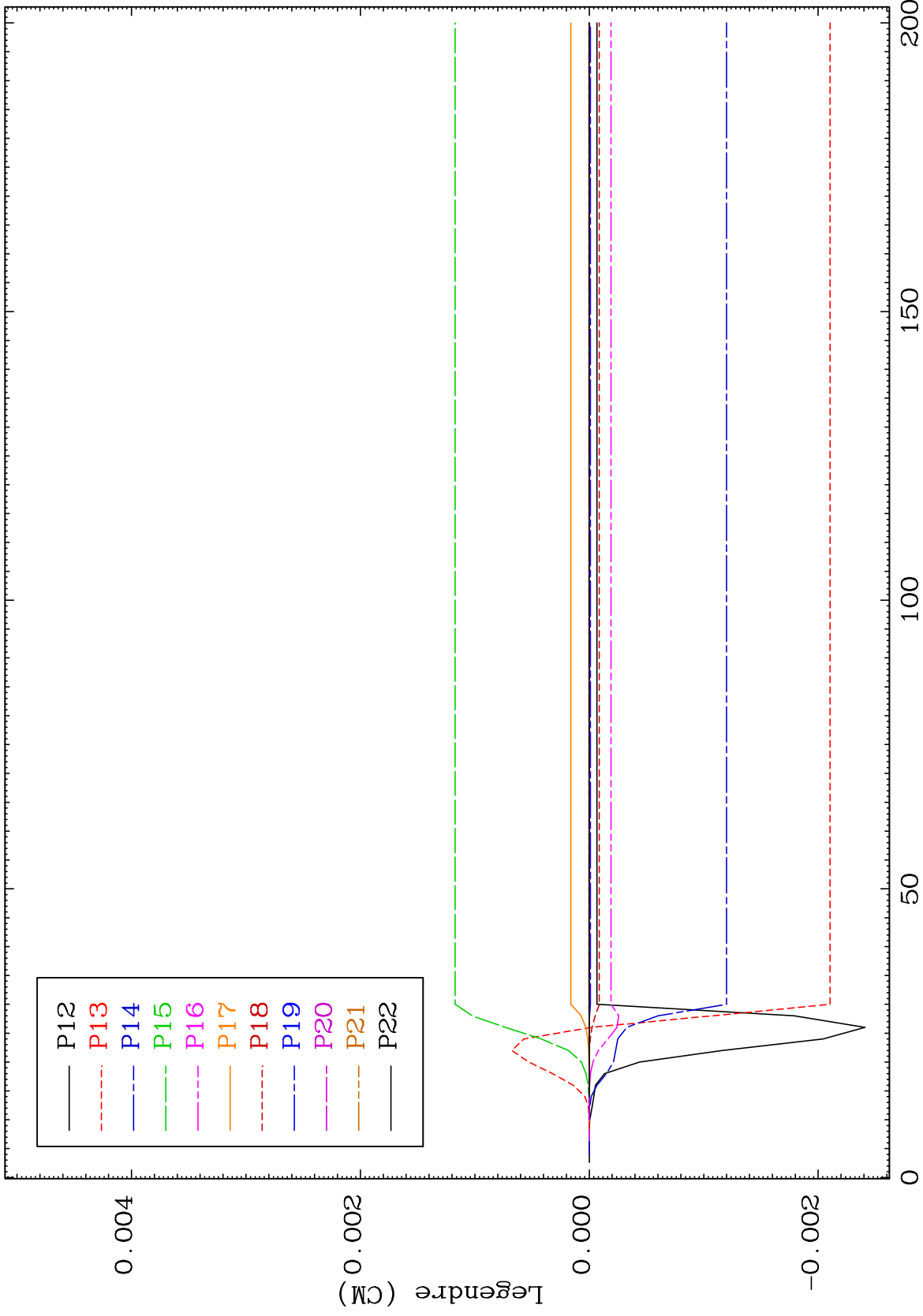
65

73-Ta-159

MAT 7262

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

73-Ta-159



66

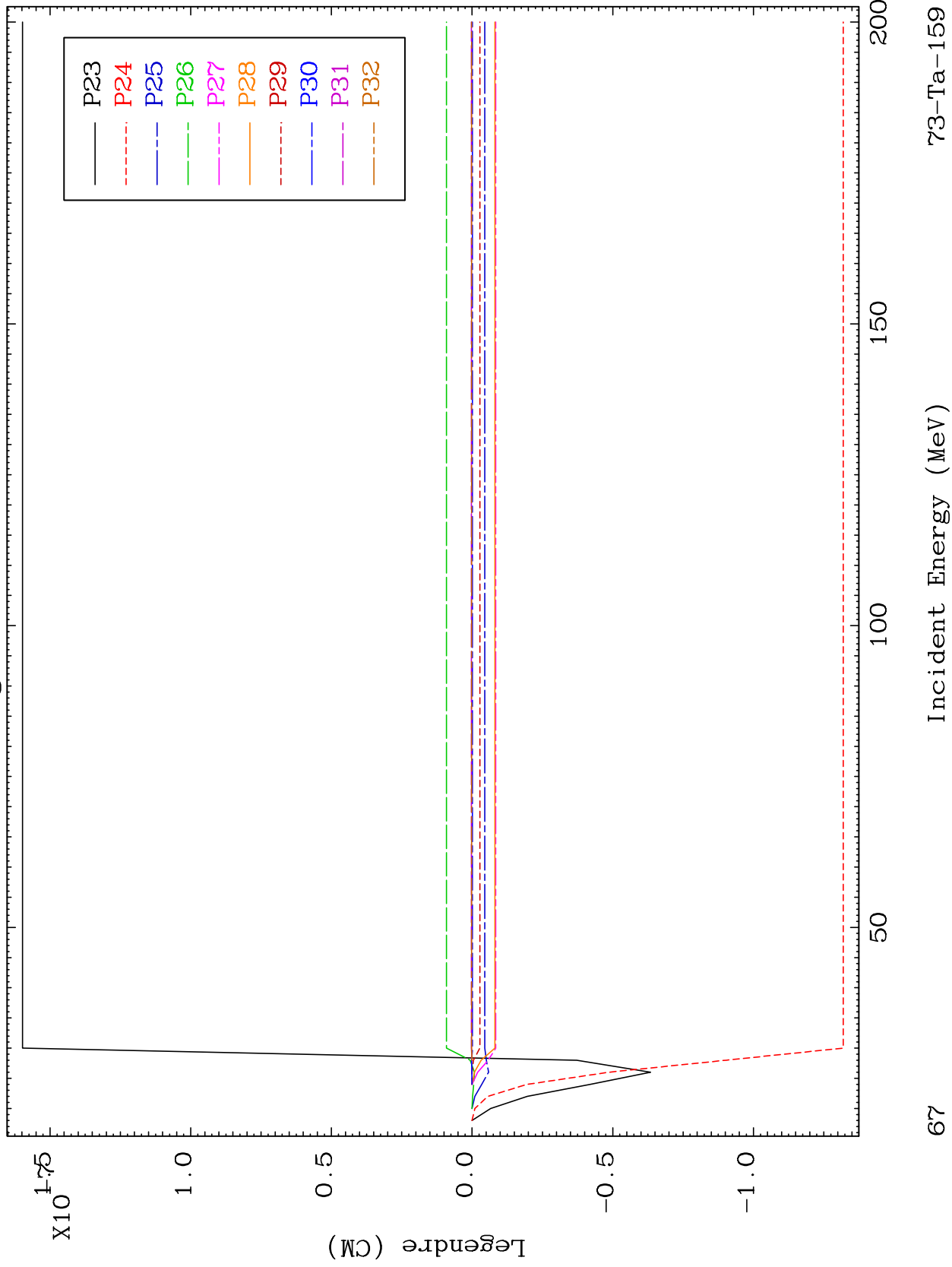
Incident Energy (MeV)

73-Ta-159

MAT 7262

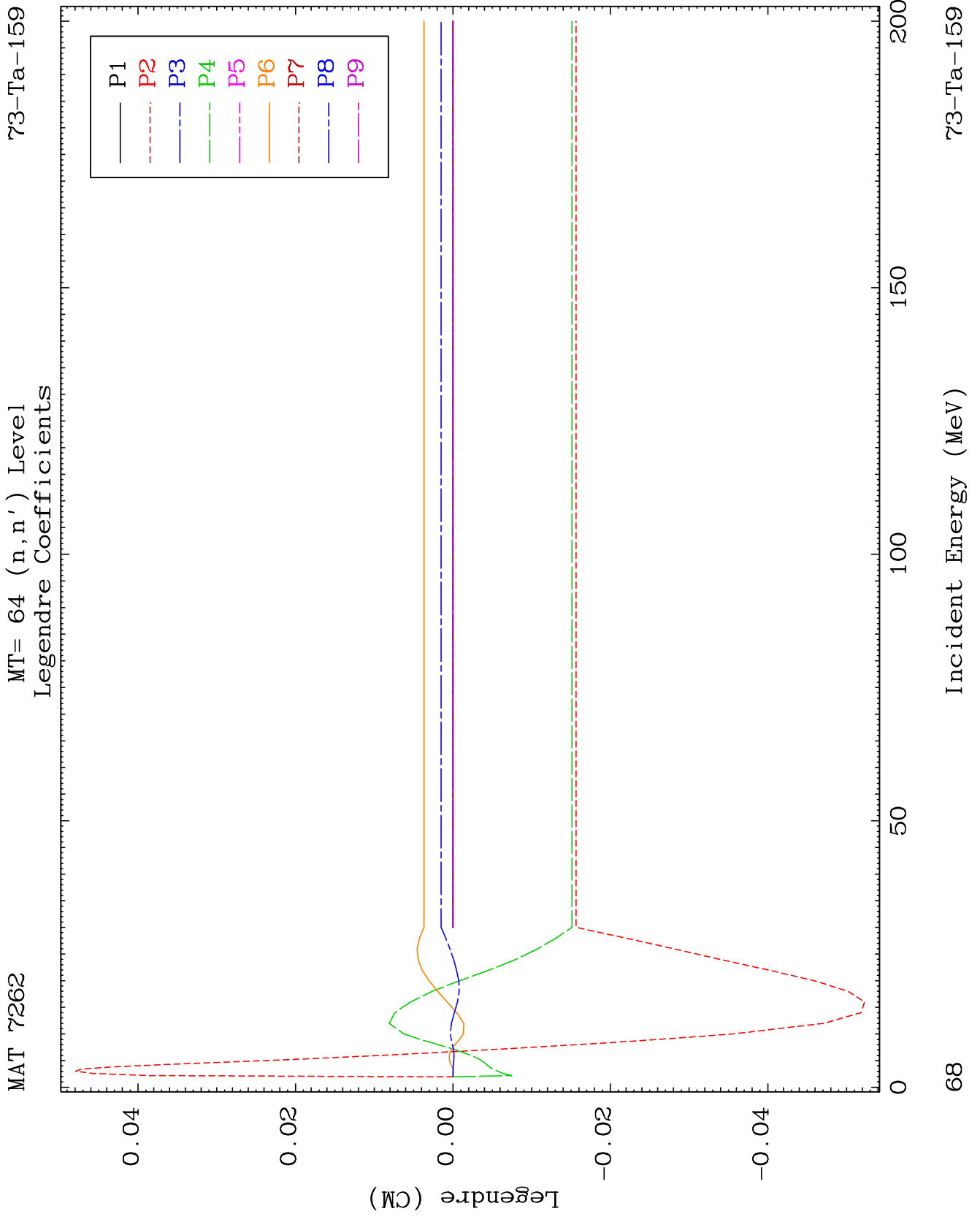
MT= 63 (n,n') Level  
Legendre Coefficients

73-Ta-159



67

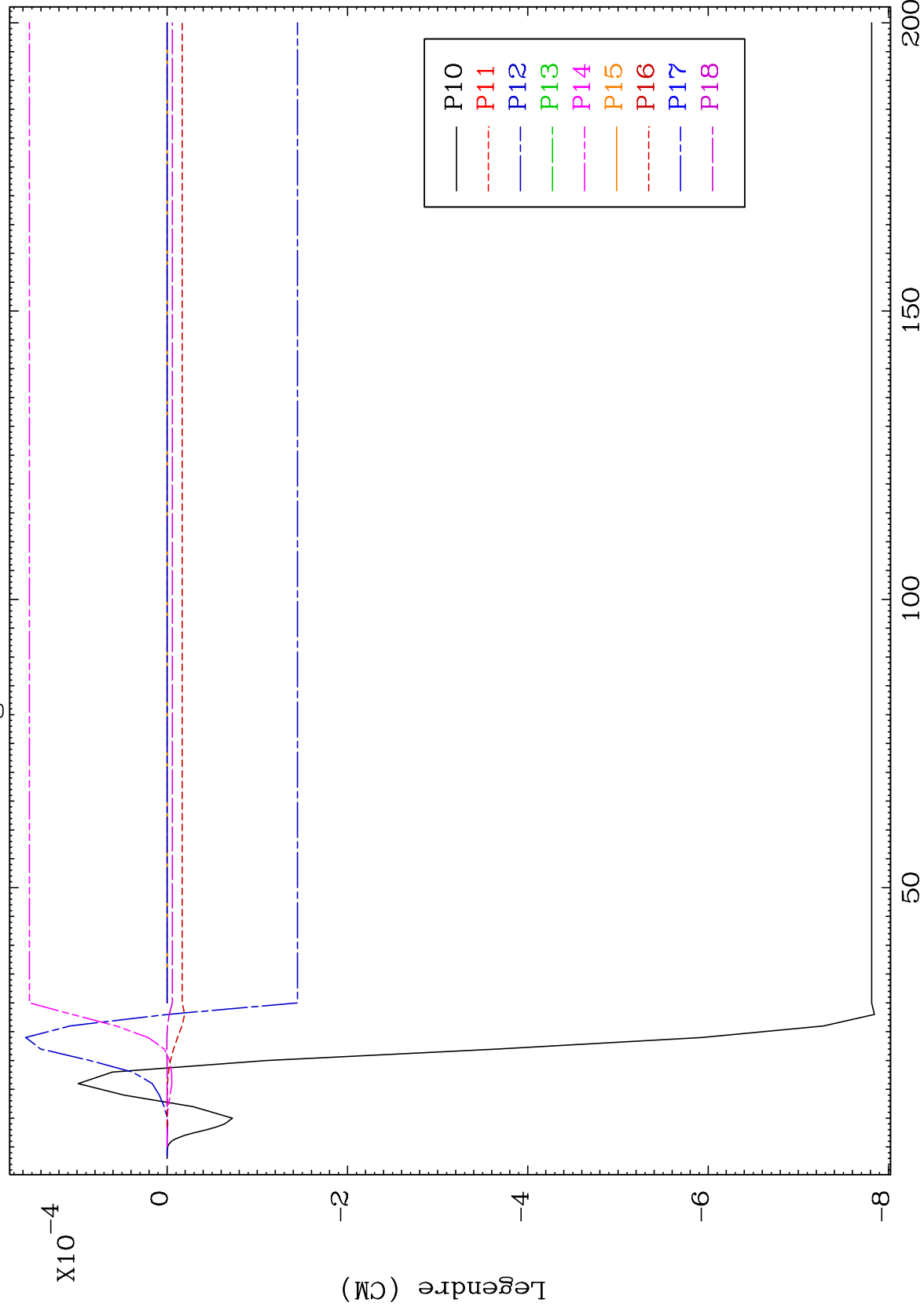
73-Ta-159



MAT 7262

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

73-Ta-159

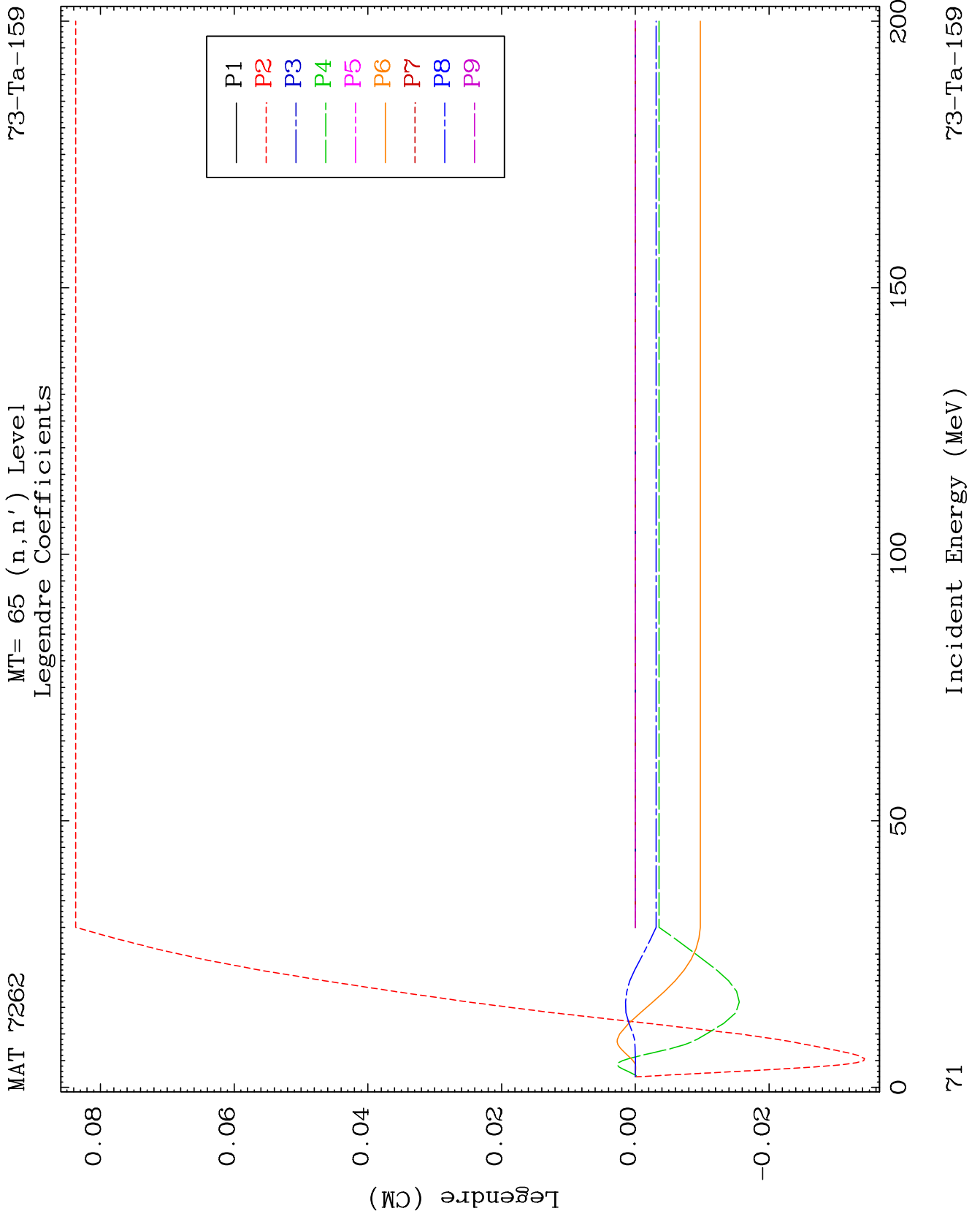


69

Incident Energy (MeV)

73-Ta-159



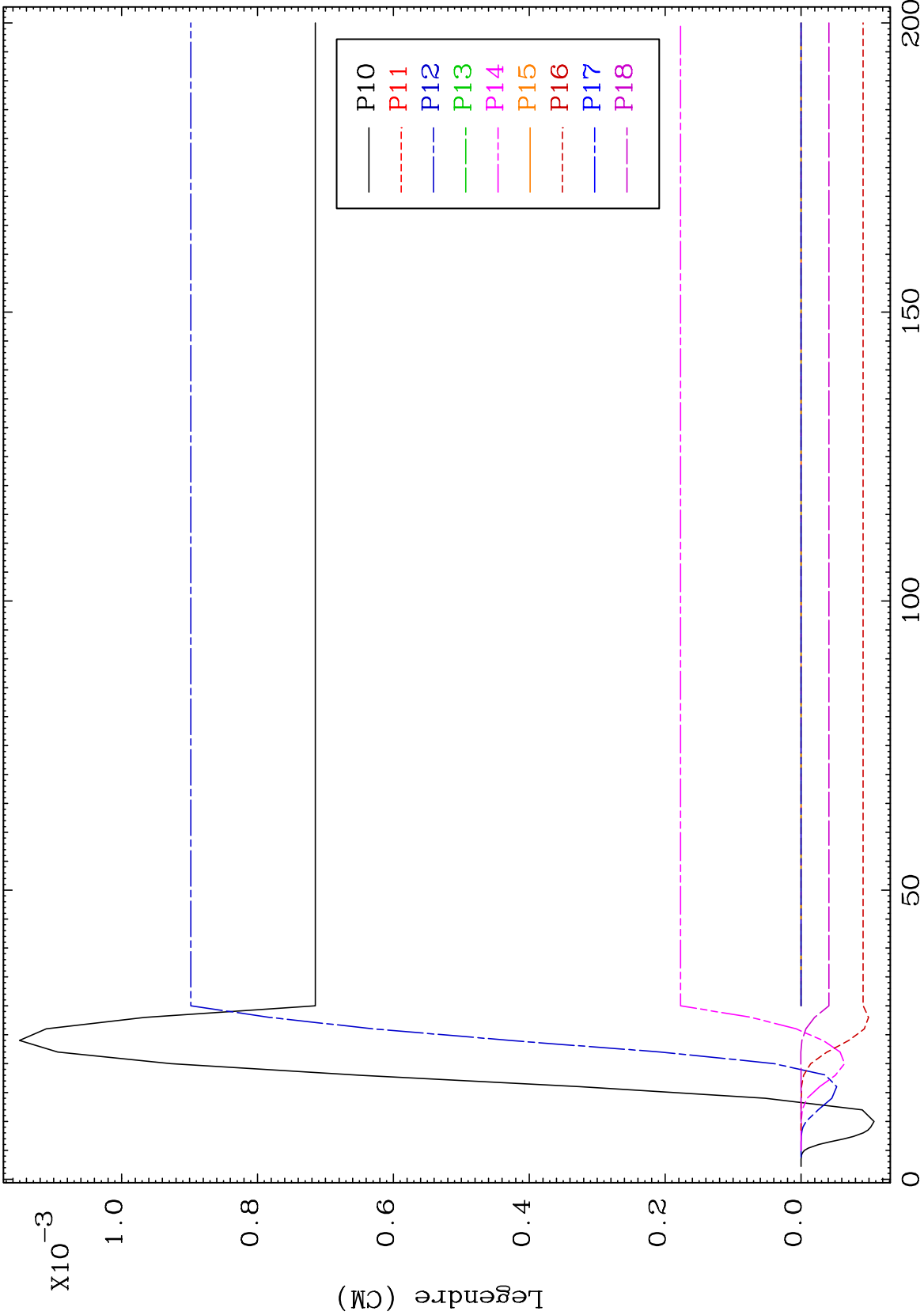




MAT 7262

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

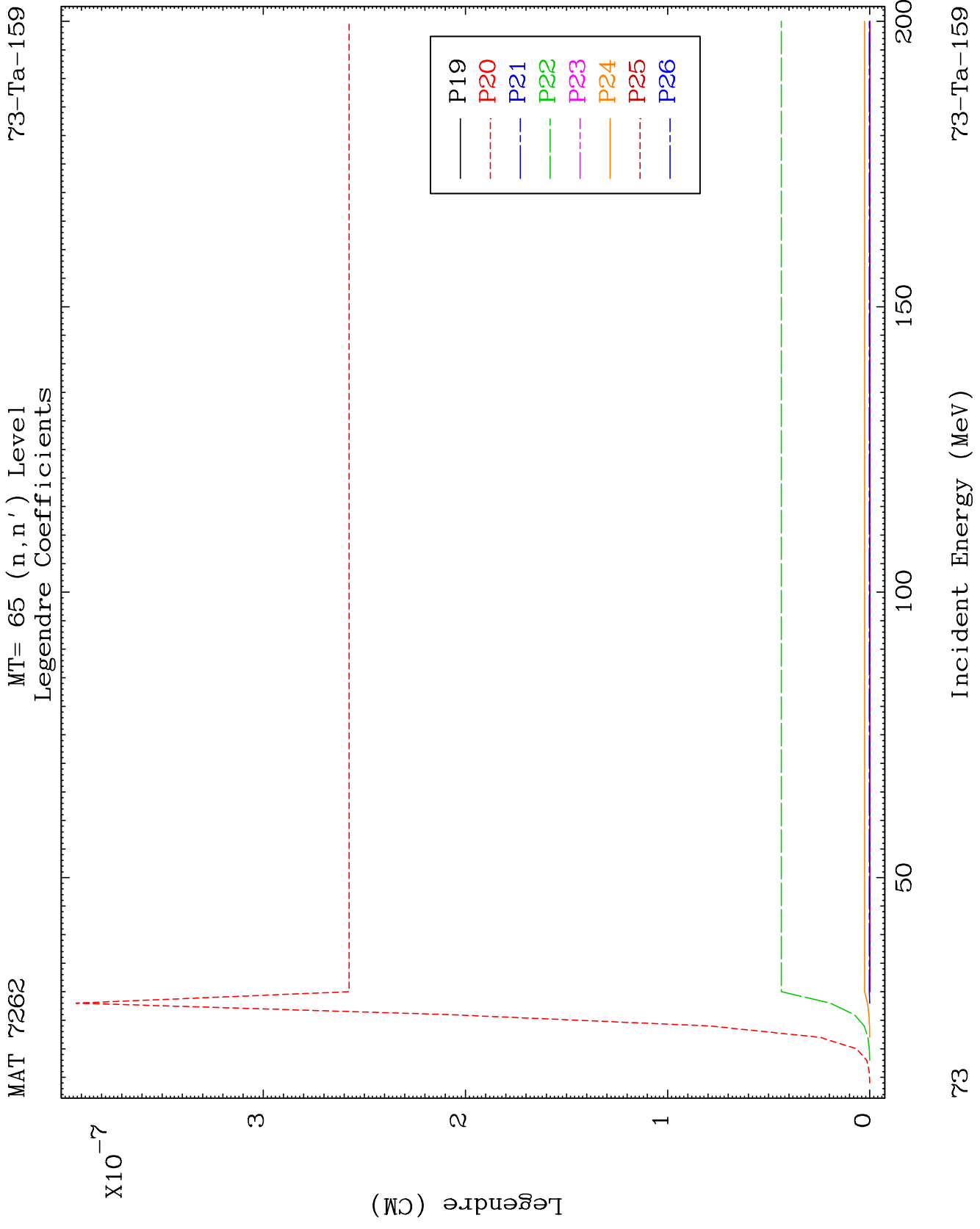
73-Ta-159

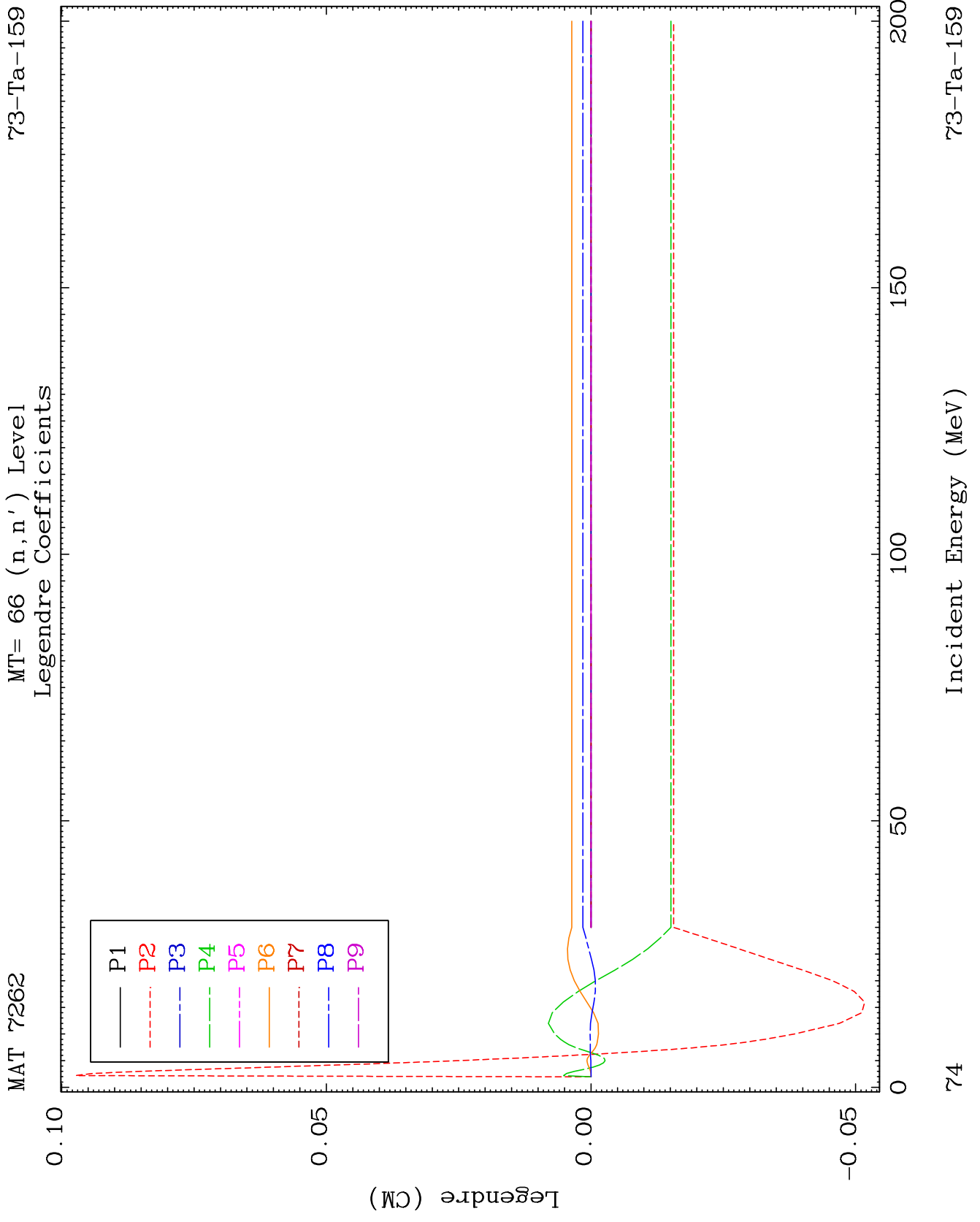


72

Incident Energy (MeV)

73-Ta-159

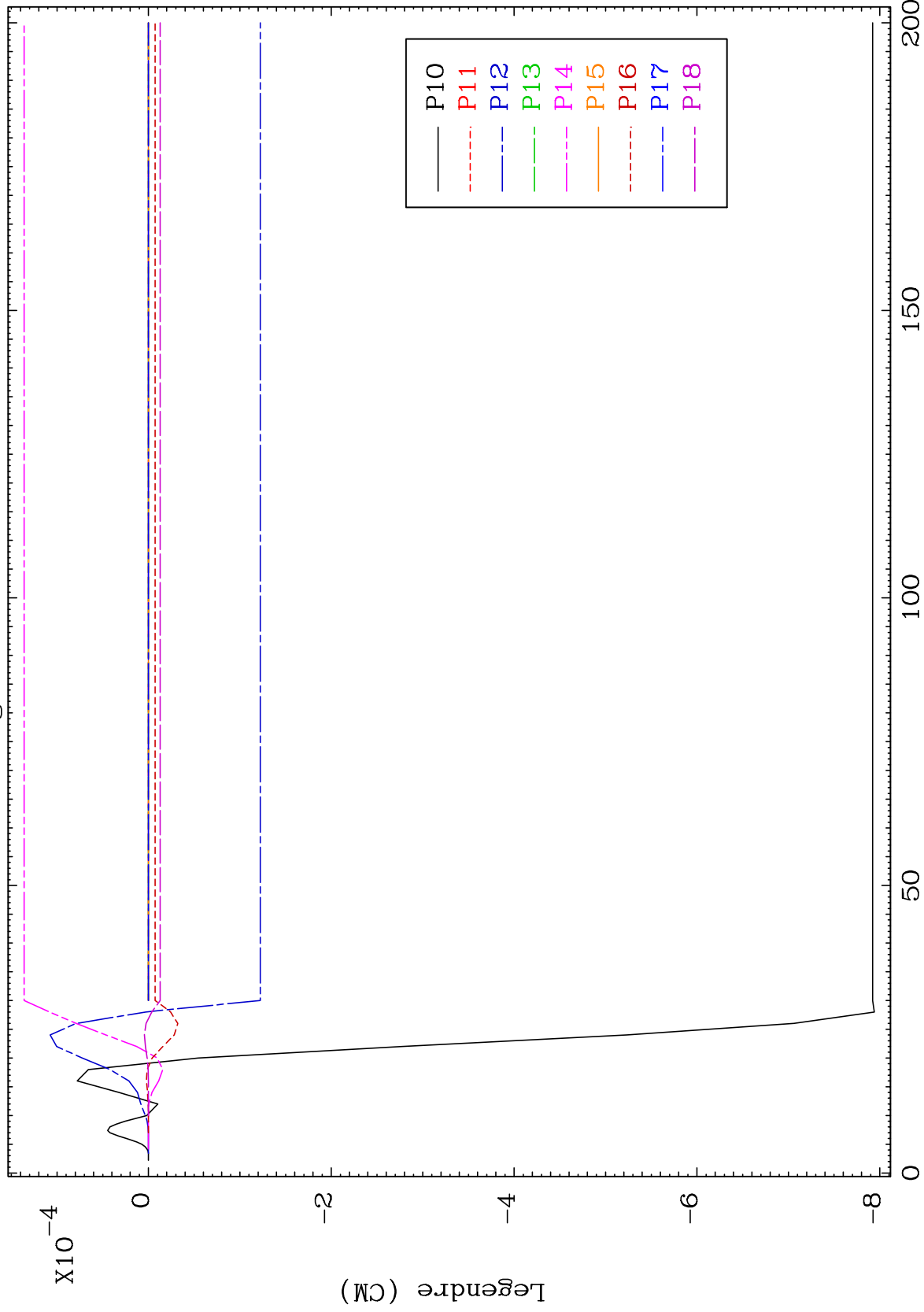




MAT 7262

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

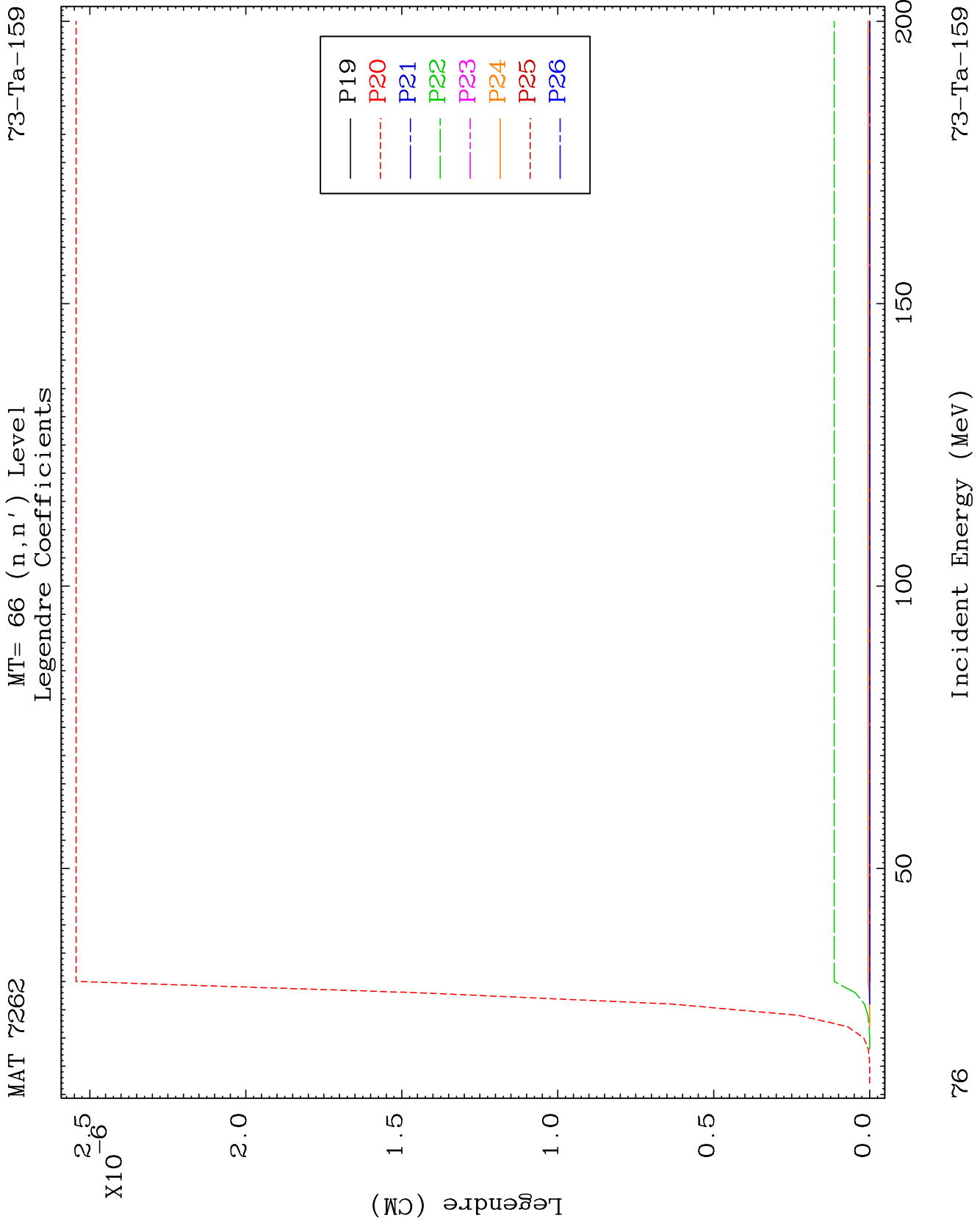
73-Ta-159

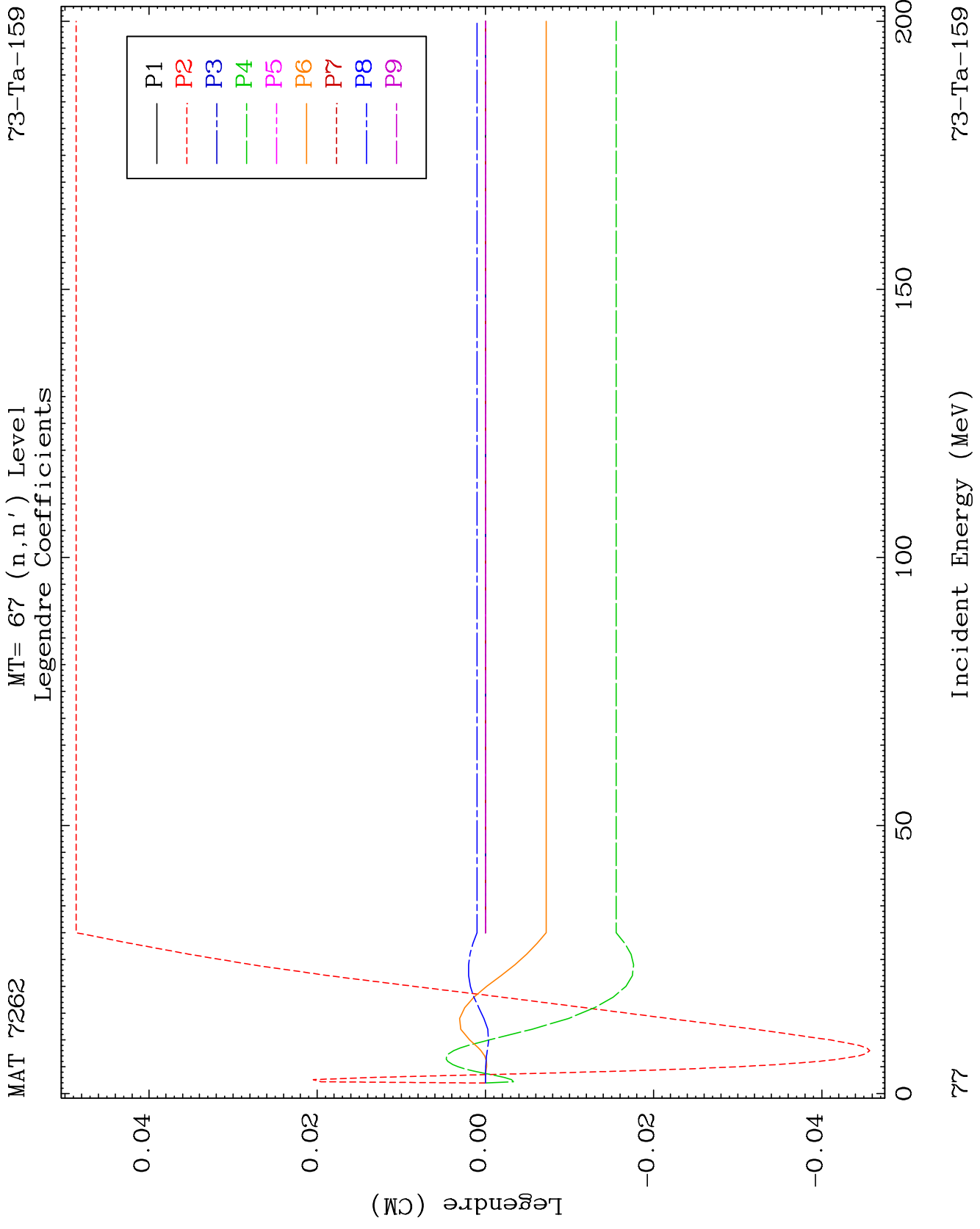


75

Incident Energy (MeV)

73-Ta-159

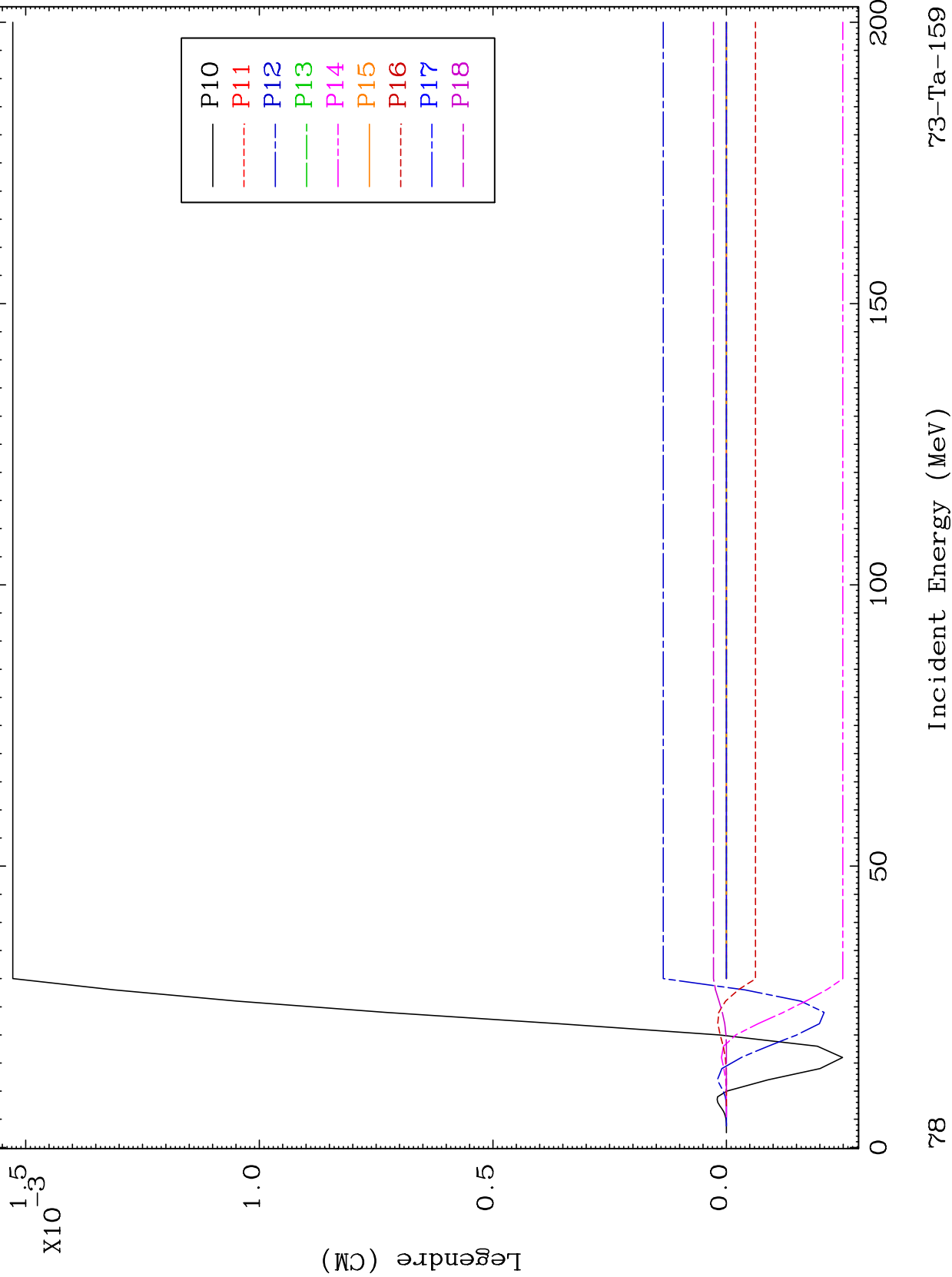




MAT 7262

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

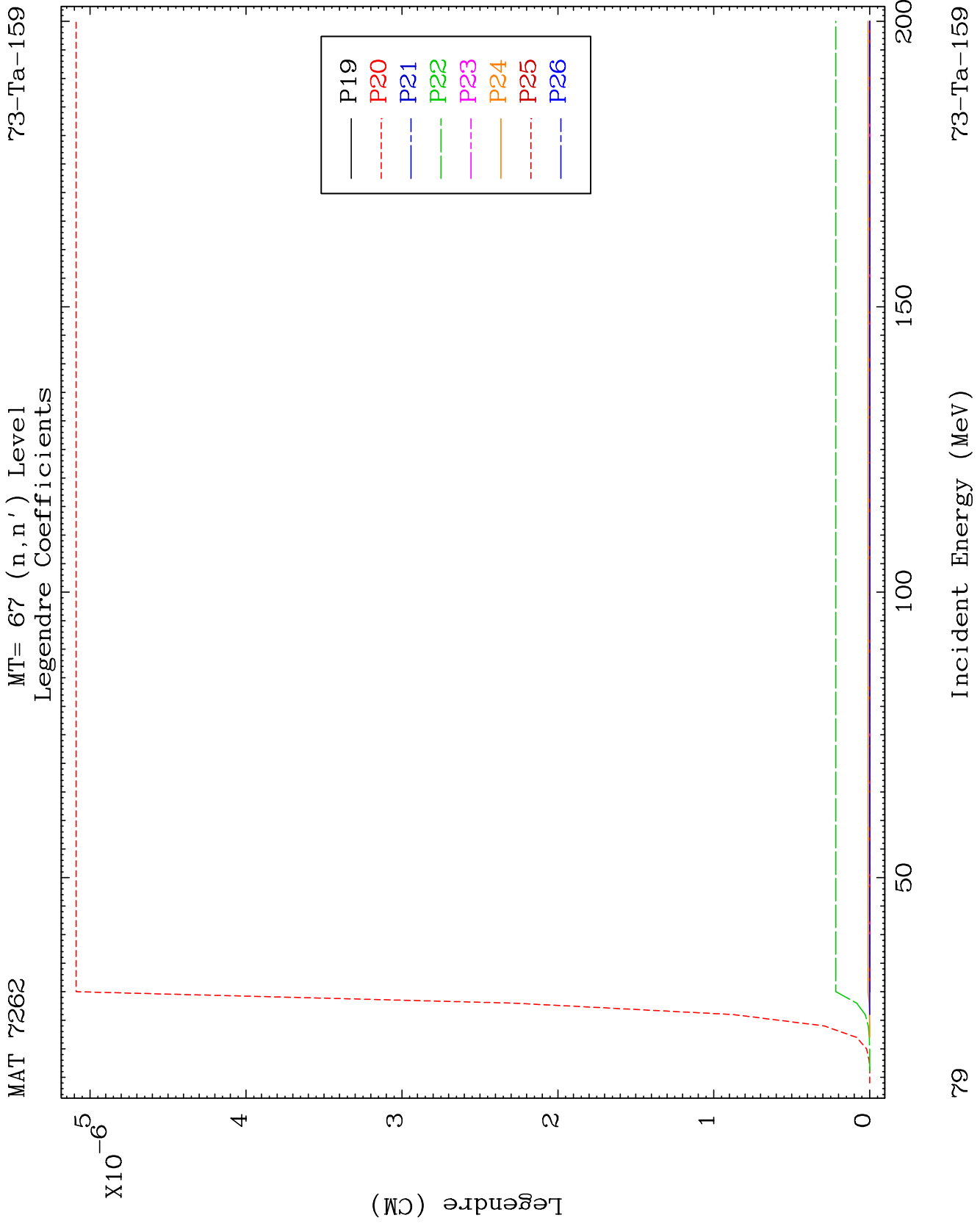
73-Ta-159



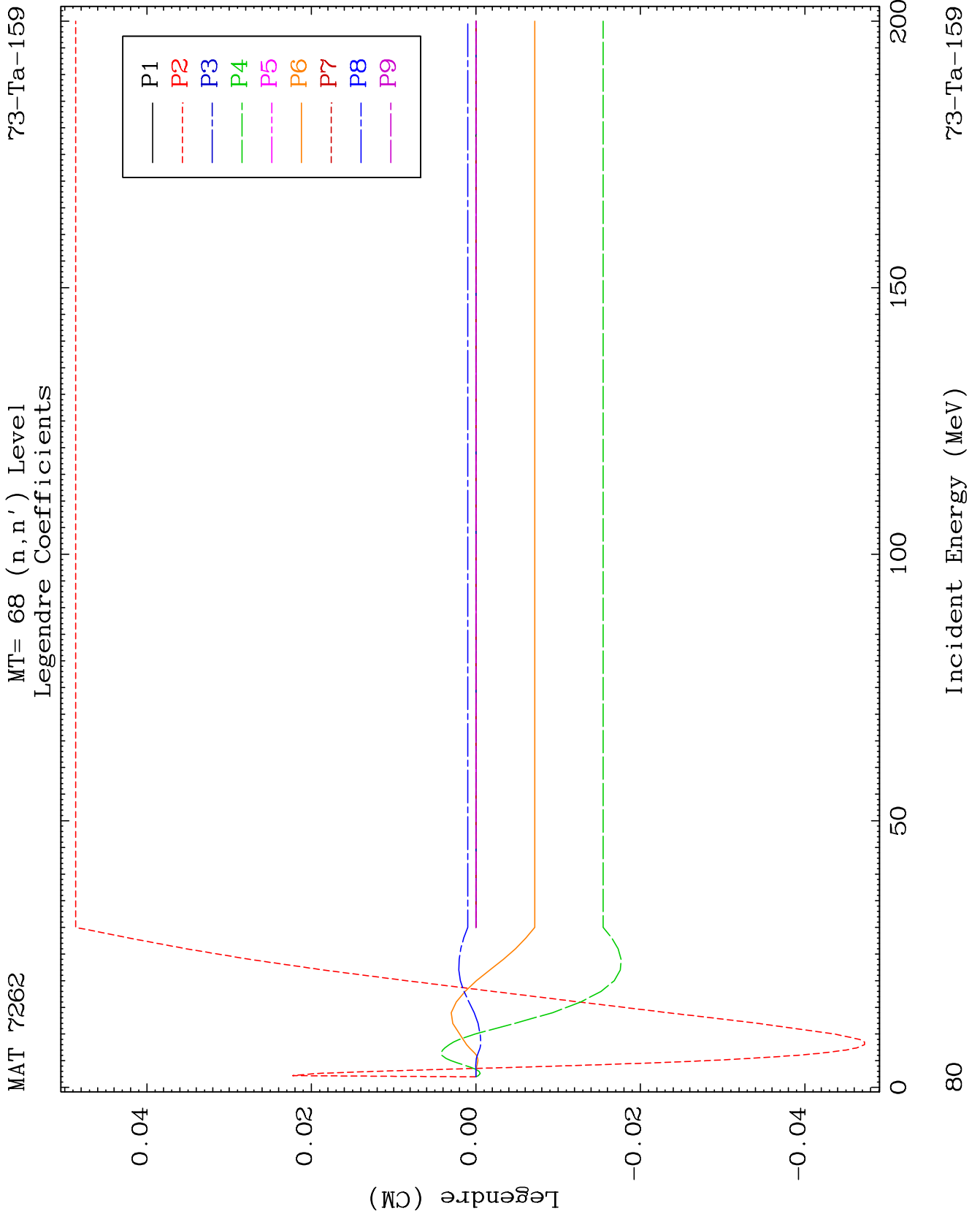
73-Ta-159

Incident Energy (MeV)

78



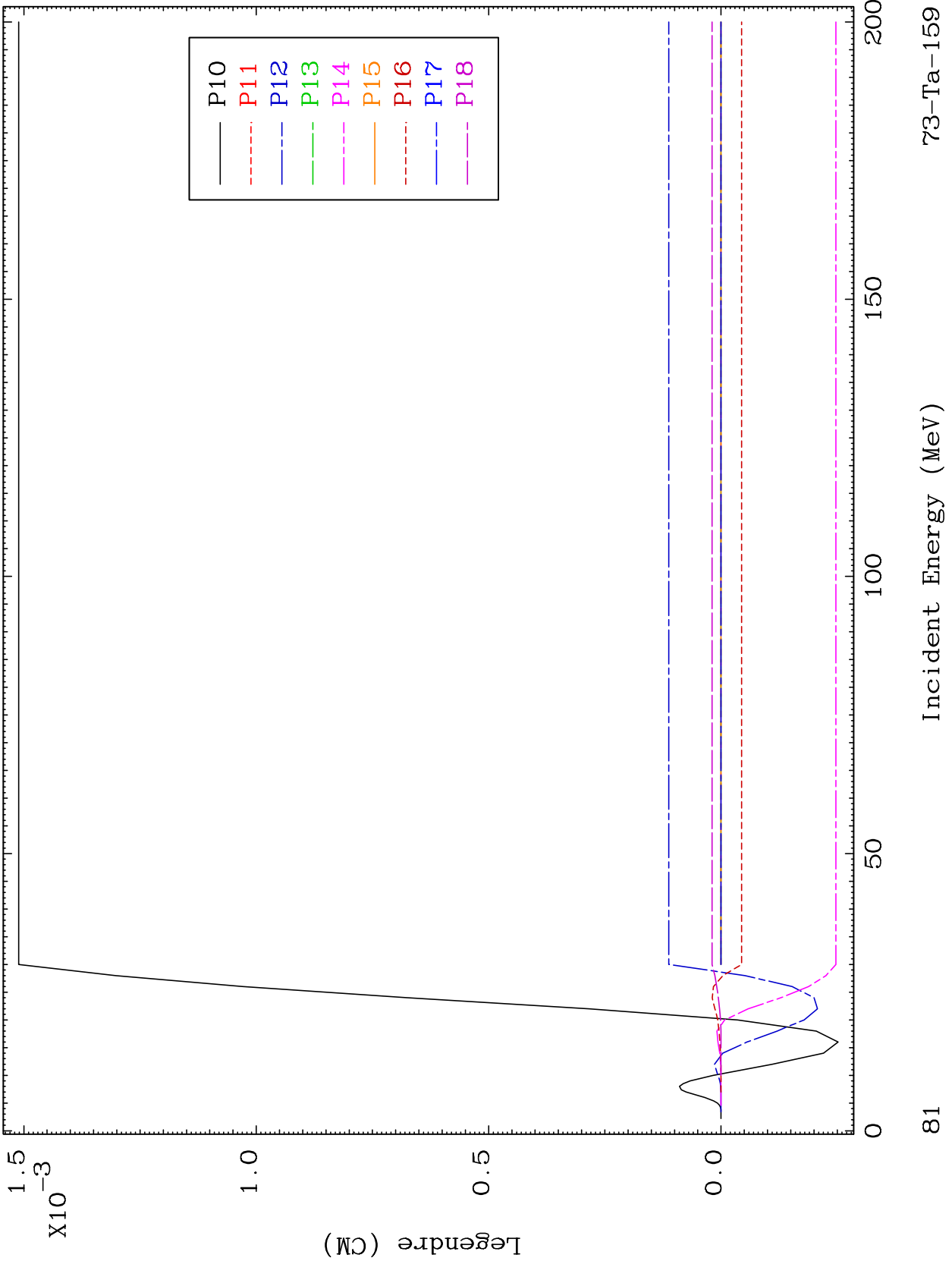




MAT 7262

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

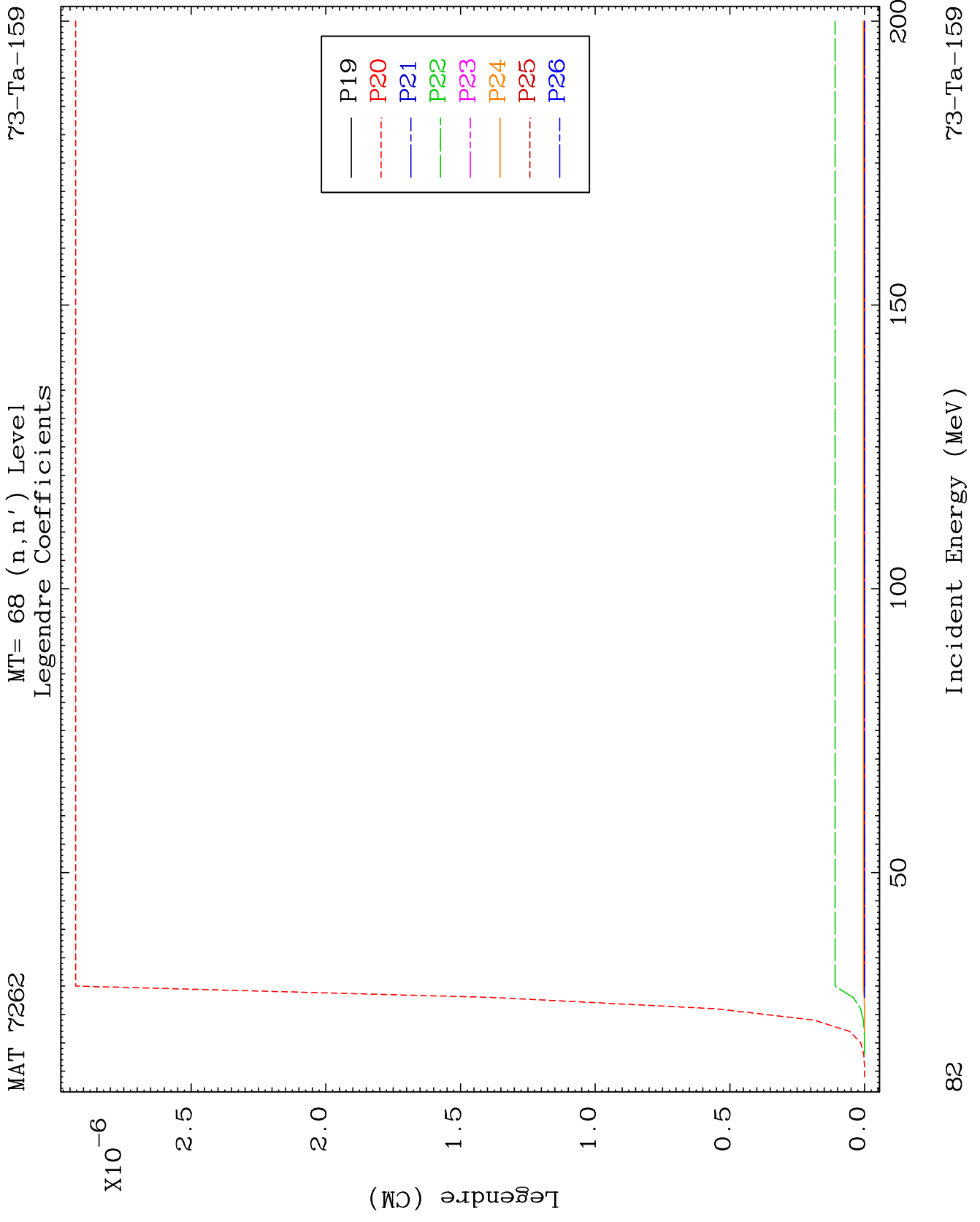
73-Ta-159

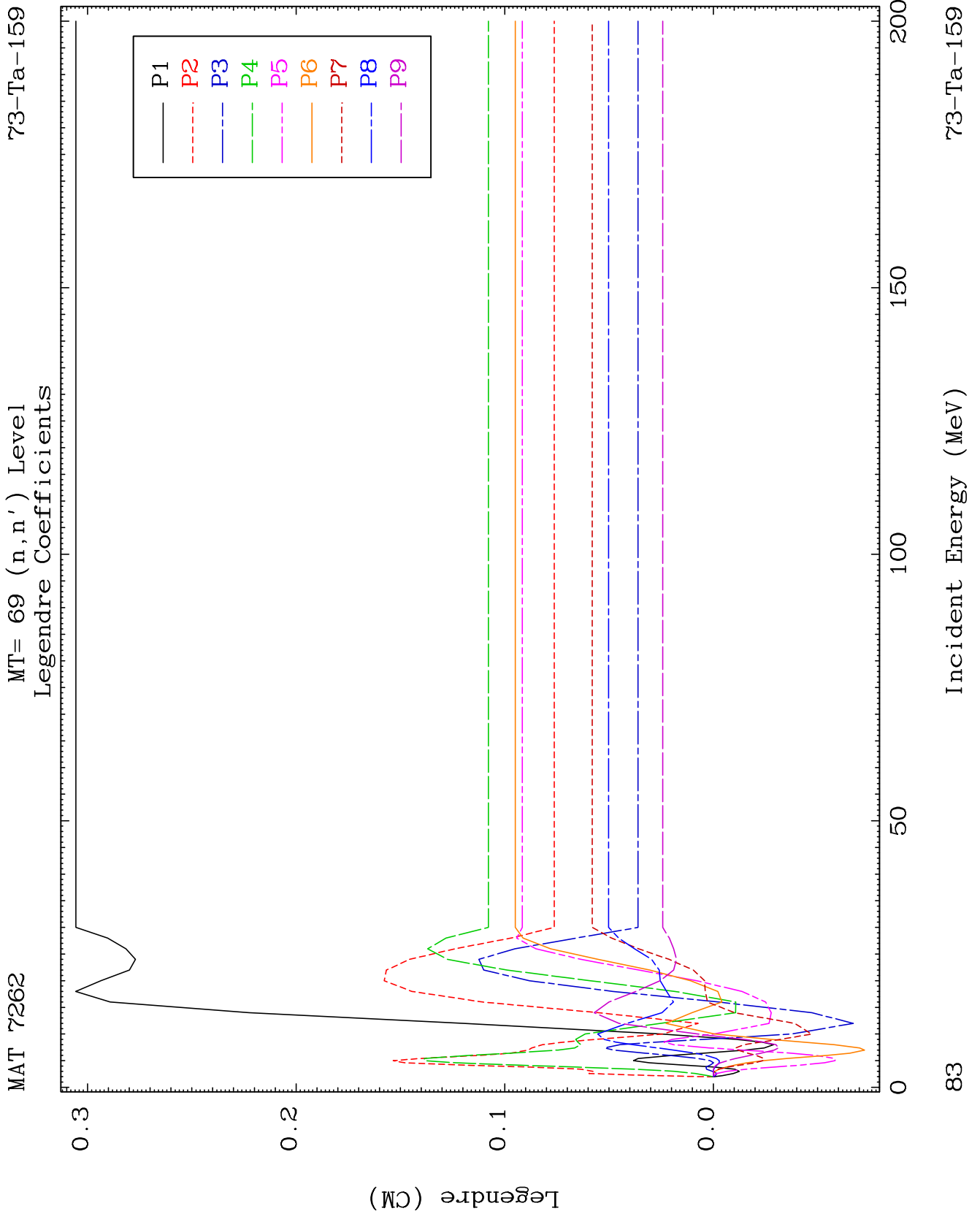


81

Incident Energy (MeV)

73-Ta-159

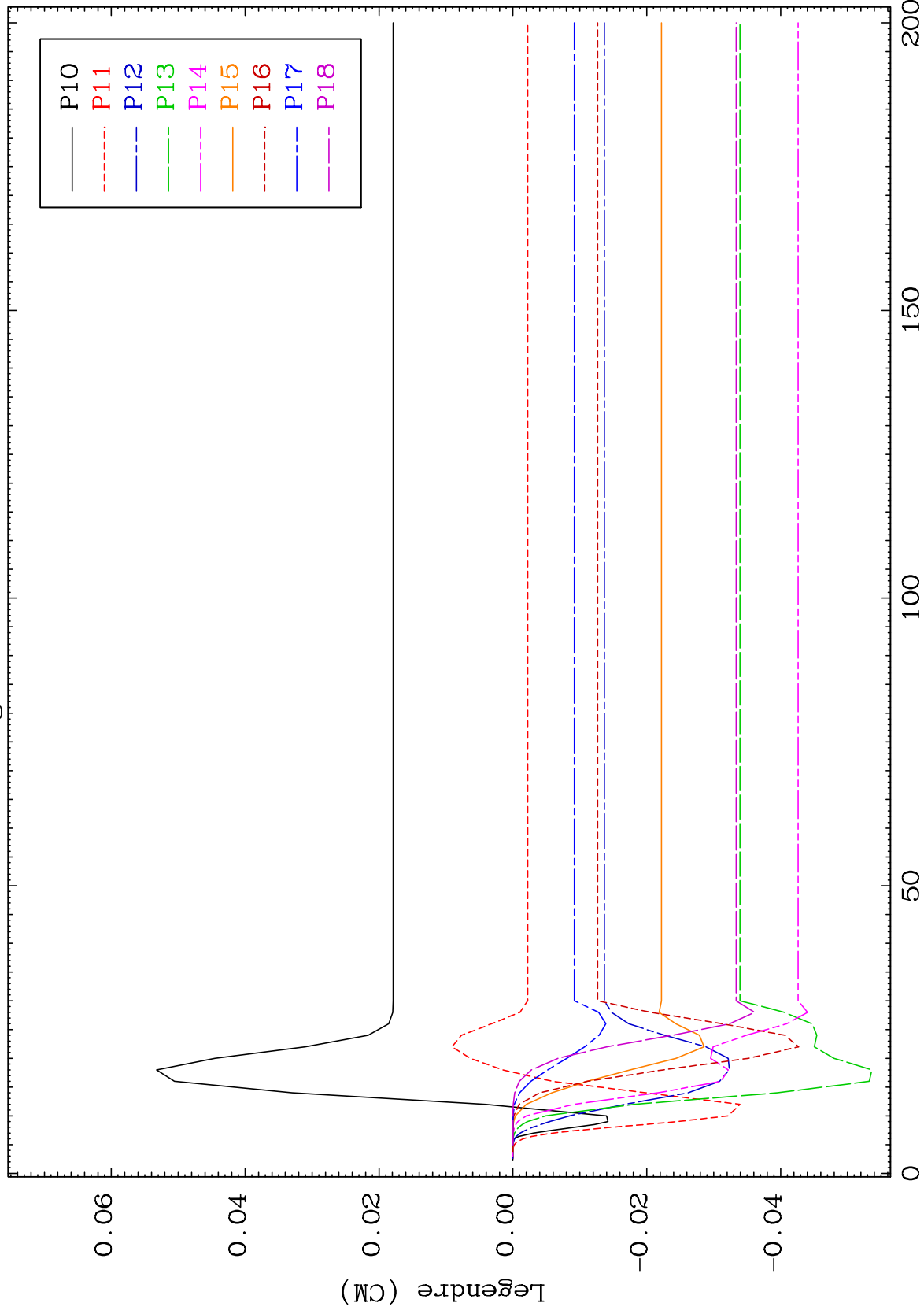




MAT 7262

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

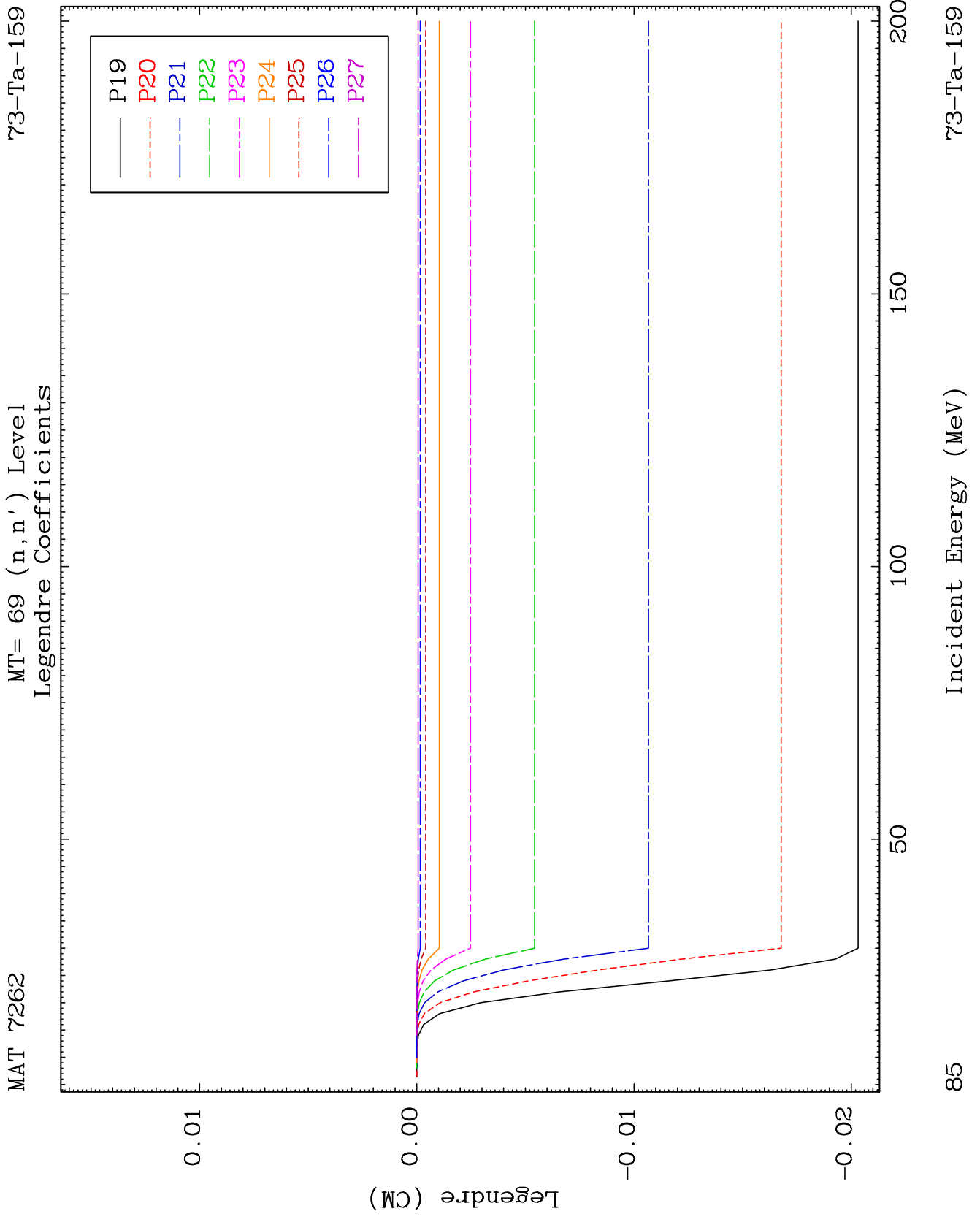
73-Ta-159

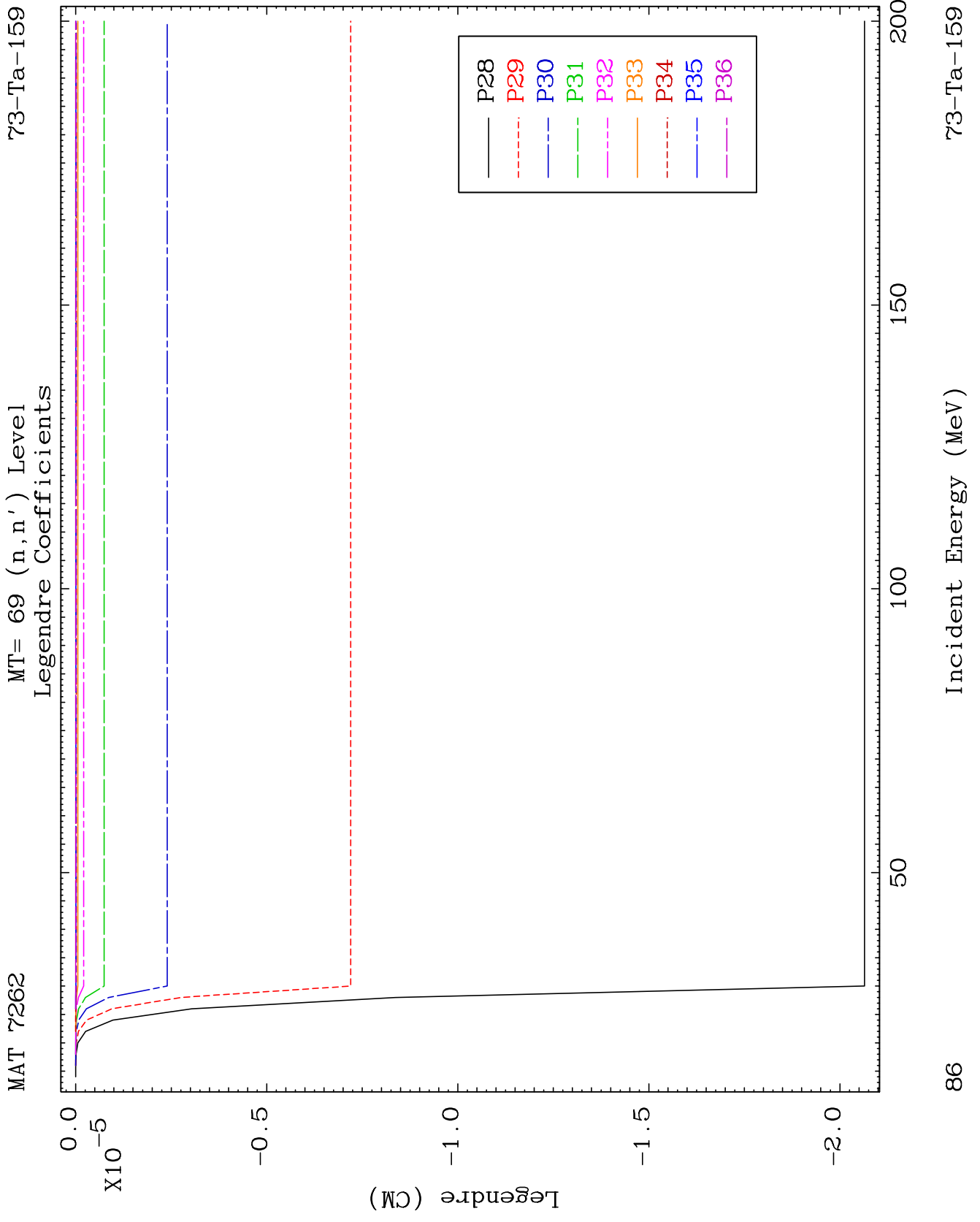


84

Incident Energy (MeV)

73-Ta-159

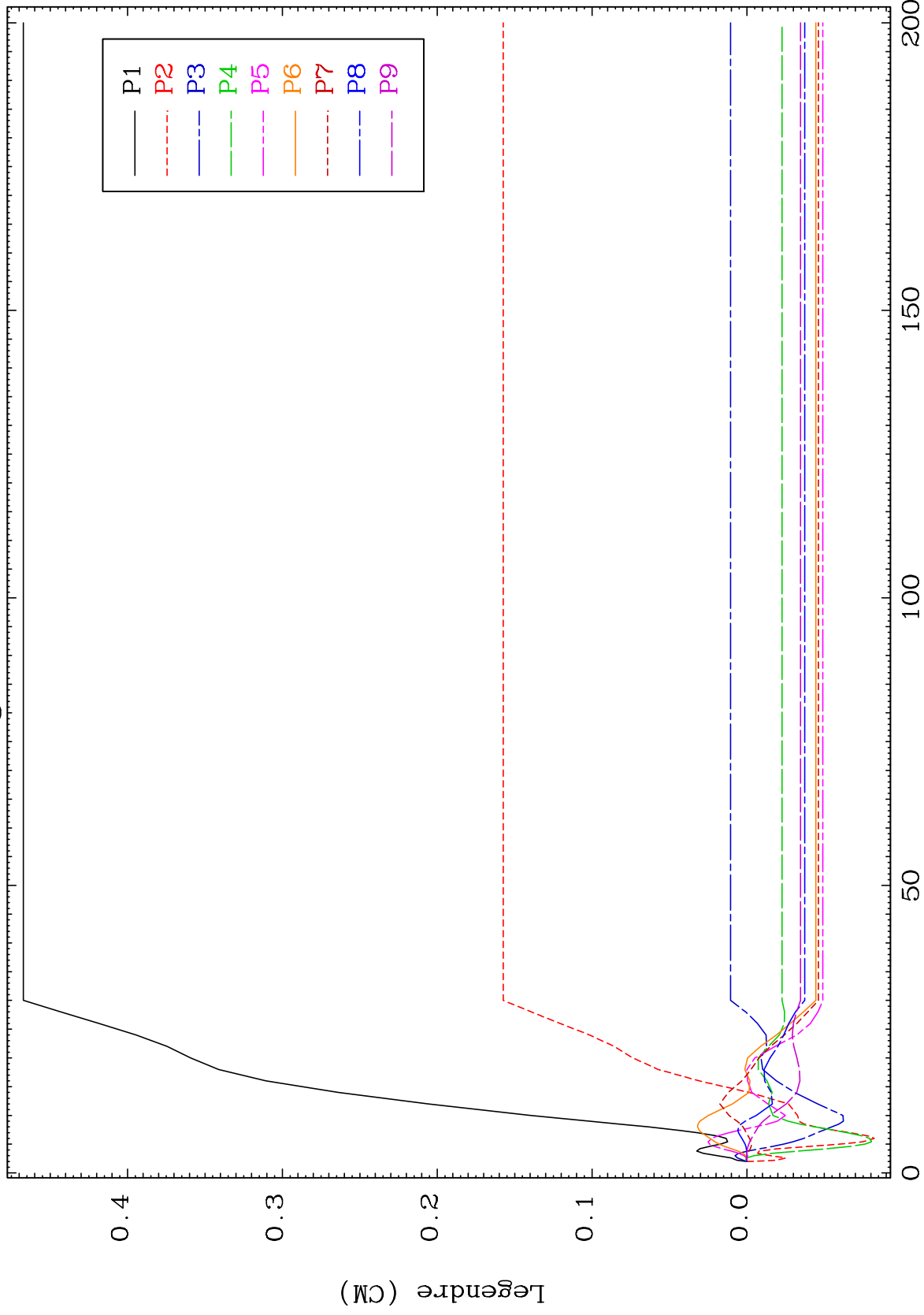




MAT 7262

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

73-Ta-159



87

Incident Energy (MeV)

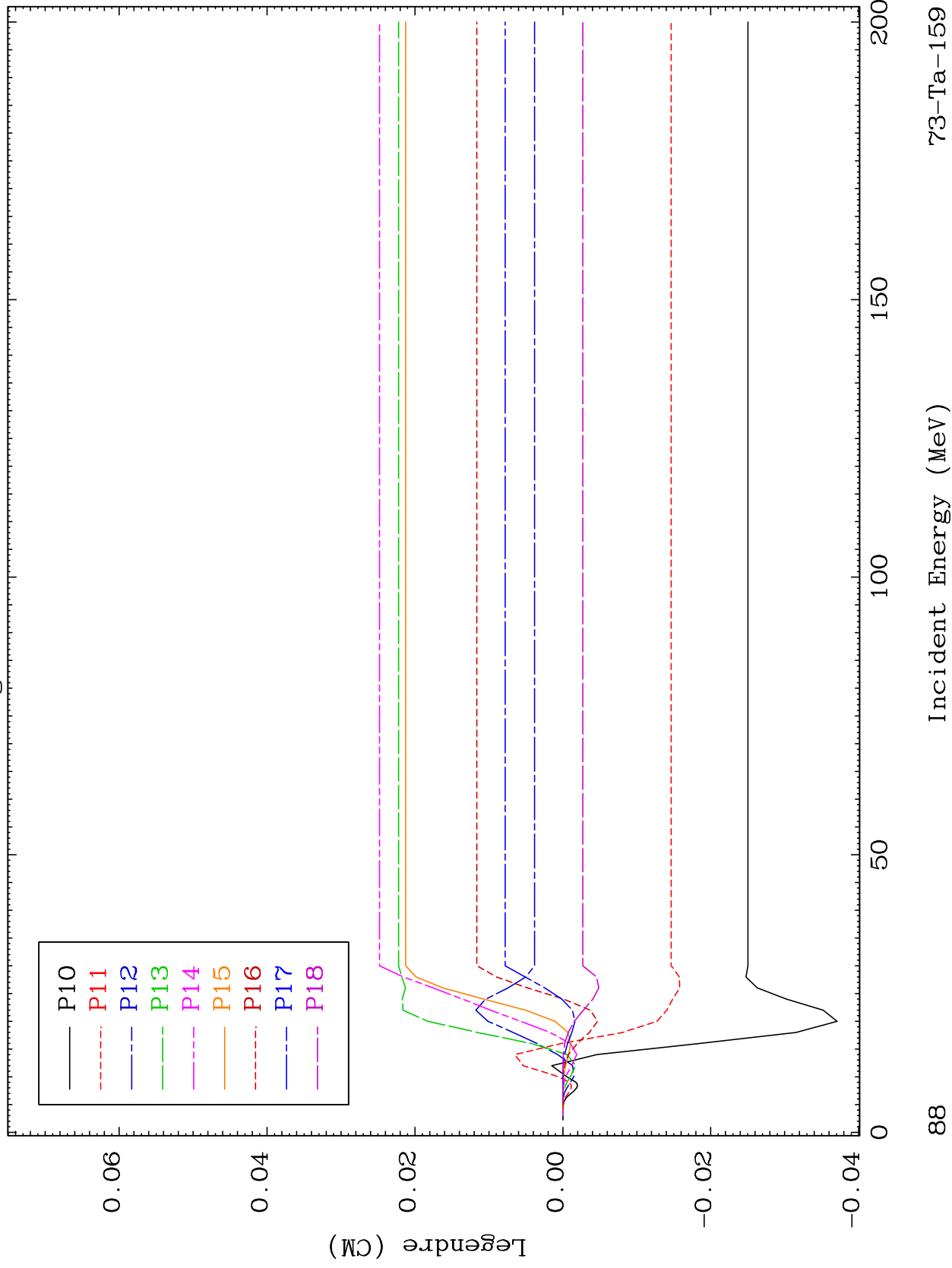
73-Ta-159



MAT 7262

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

73-Ta-159



88

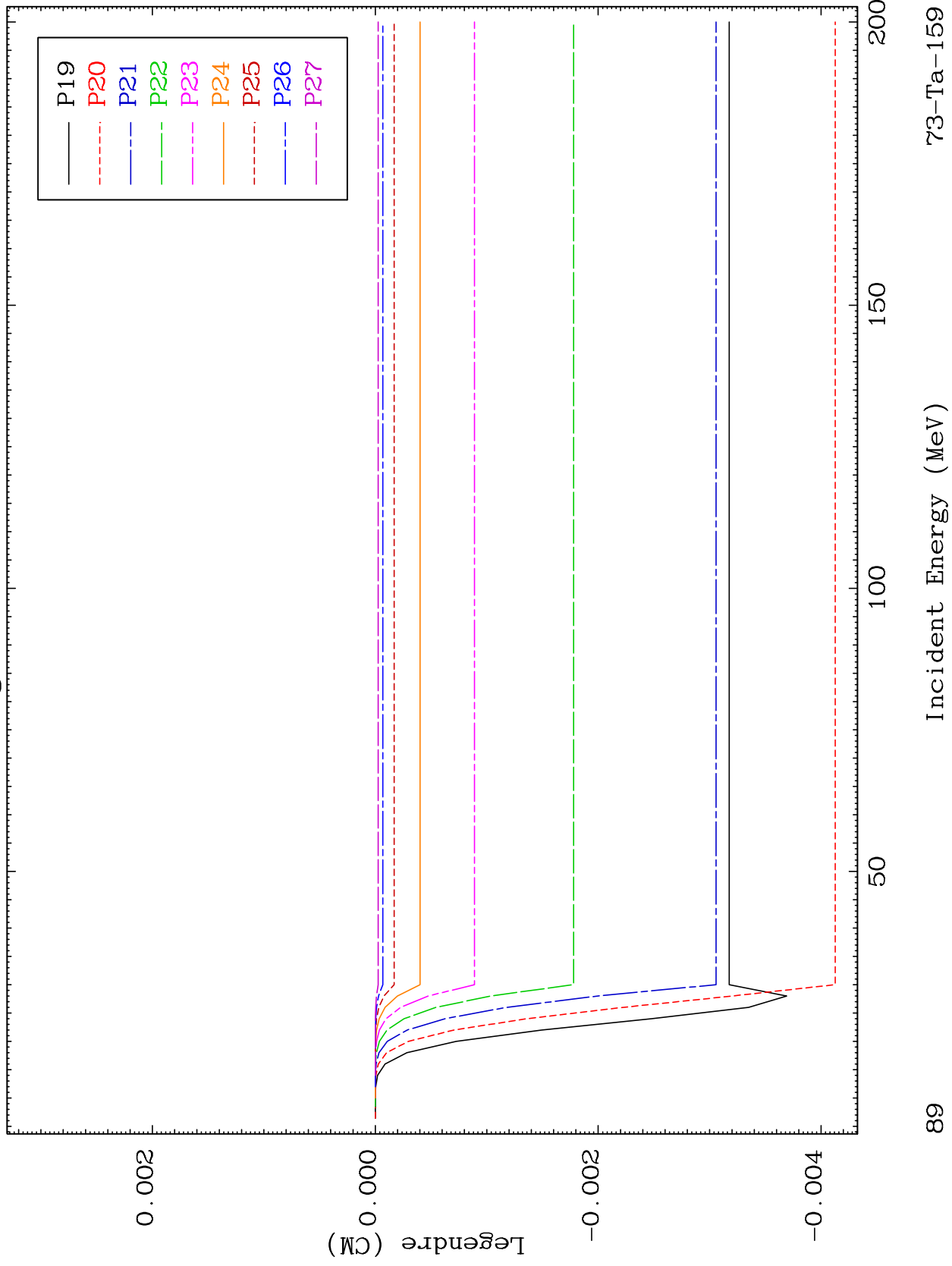
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

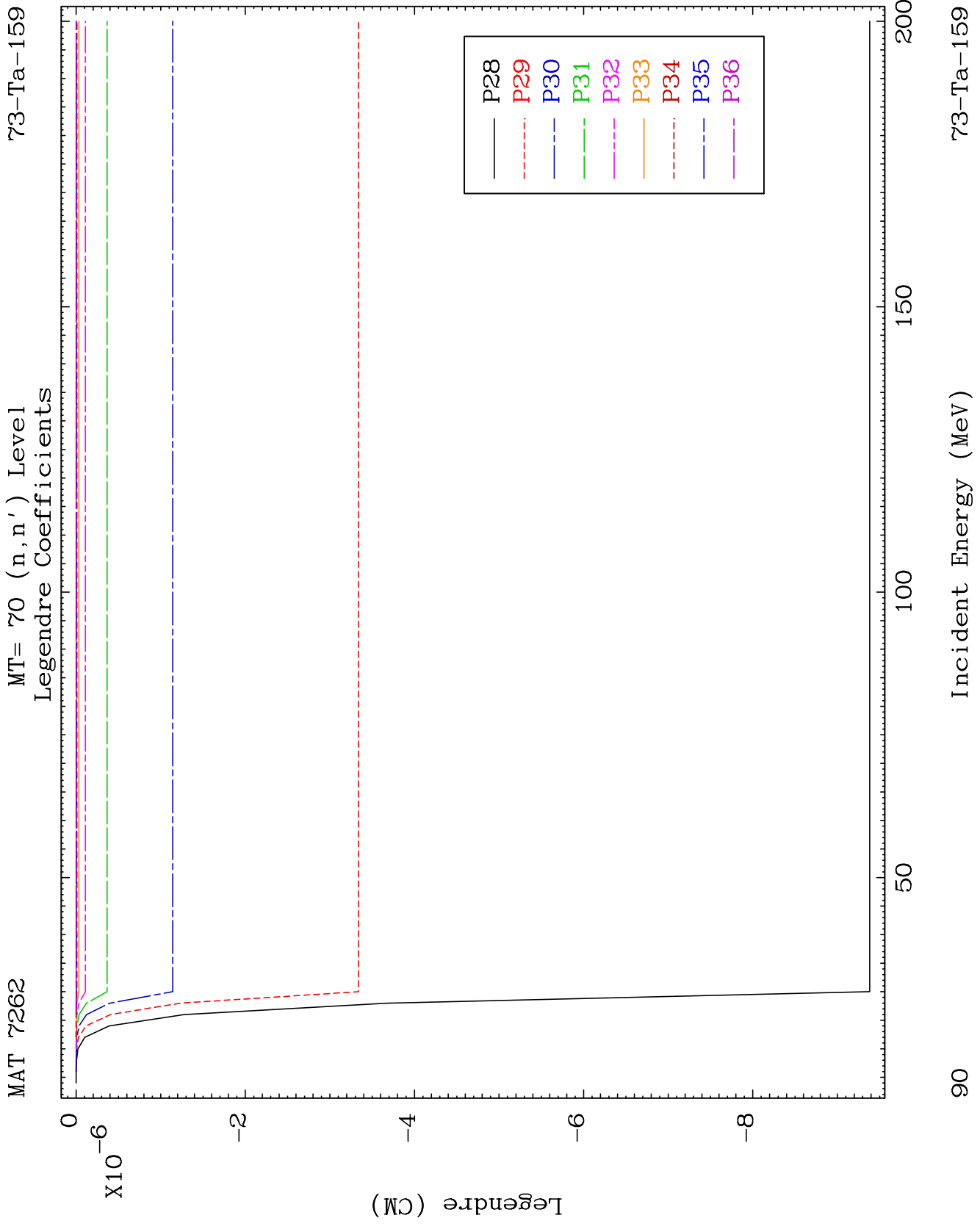
73-Ta-159



89

Incident Energy (MeV)

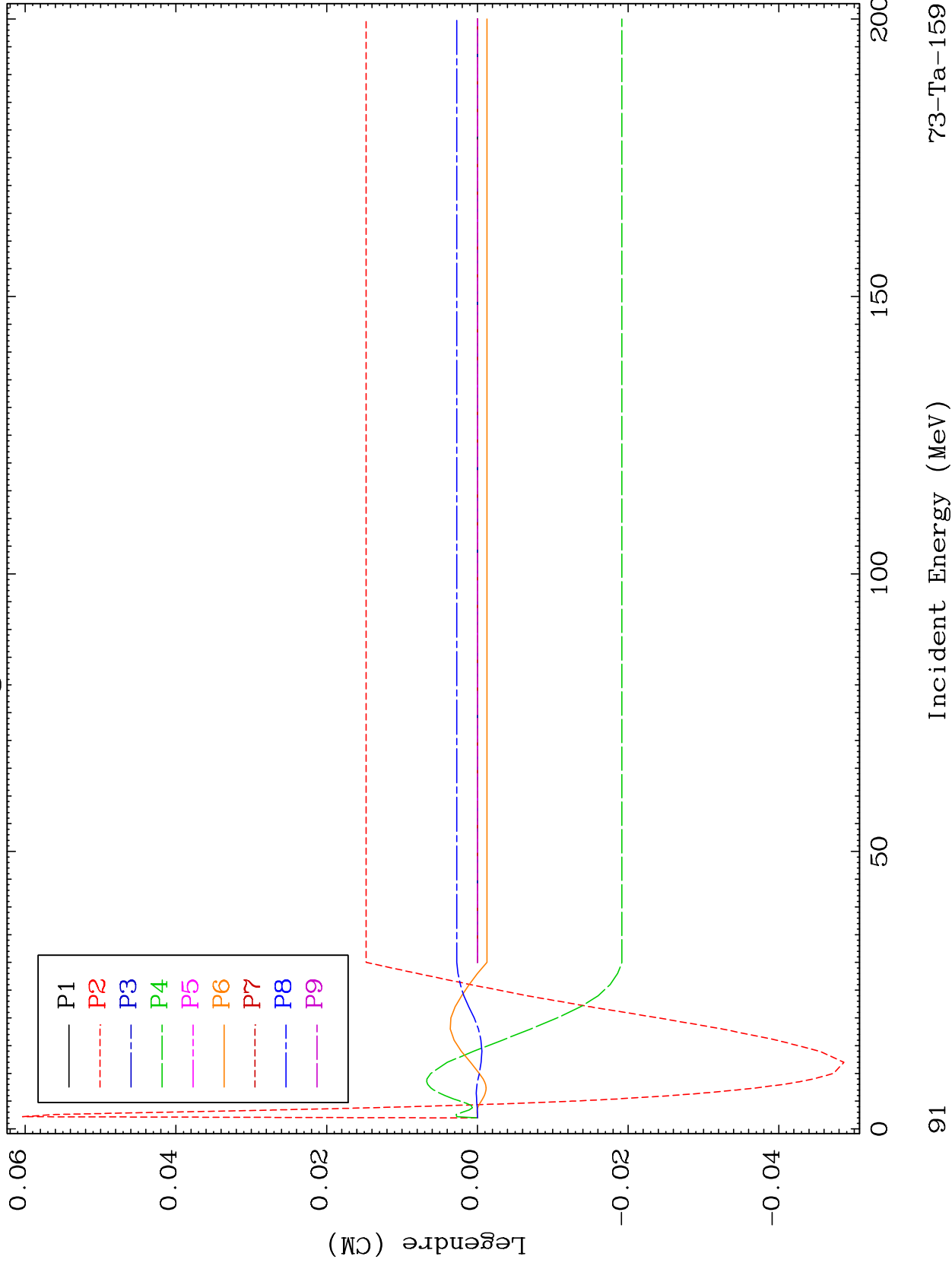
73-Ta-159



MAT 7262

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

73-Ta-159



91

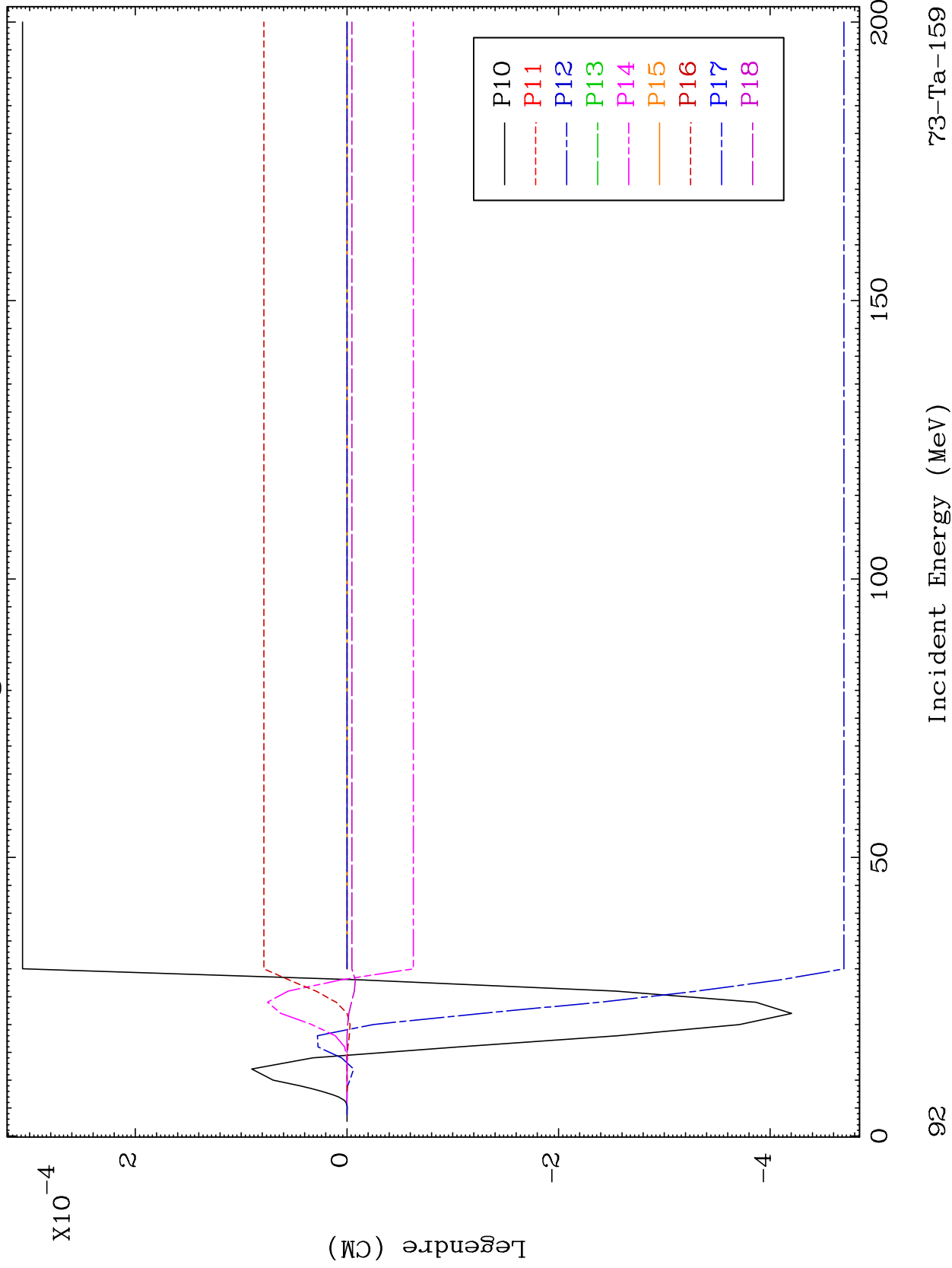
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

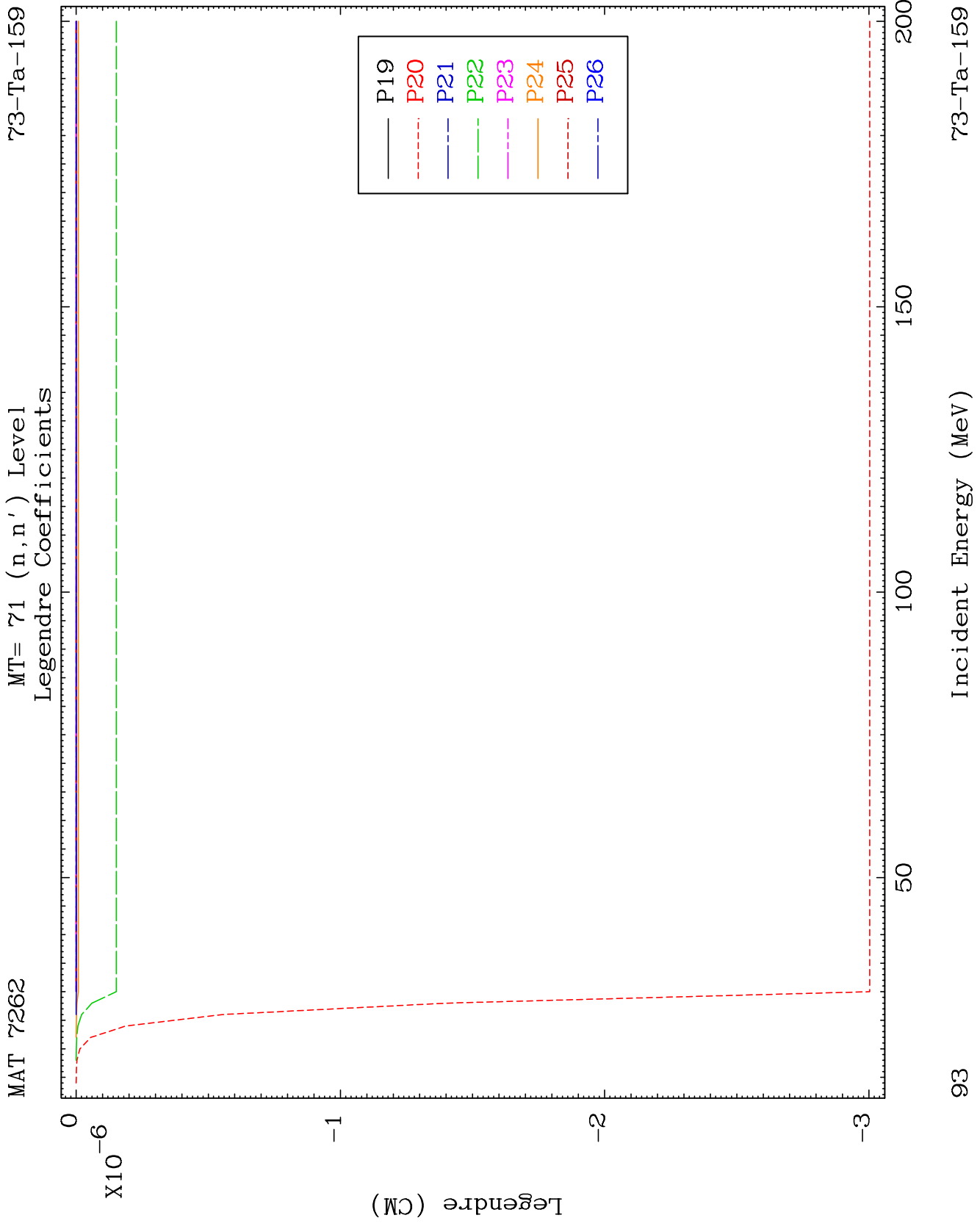
73-Ta-159



73-Ta-159

Incident Energy (MeV)

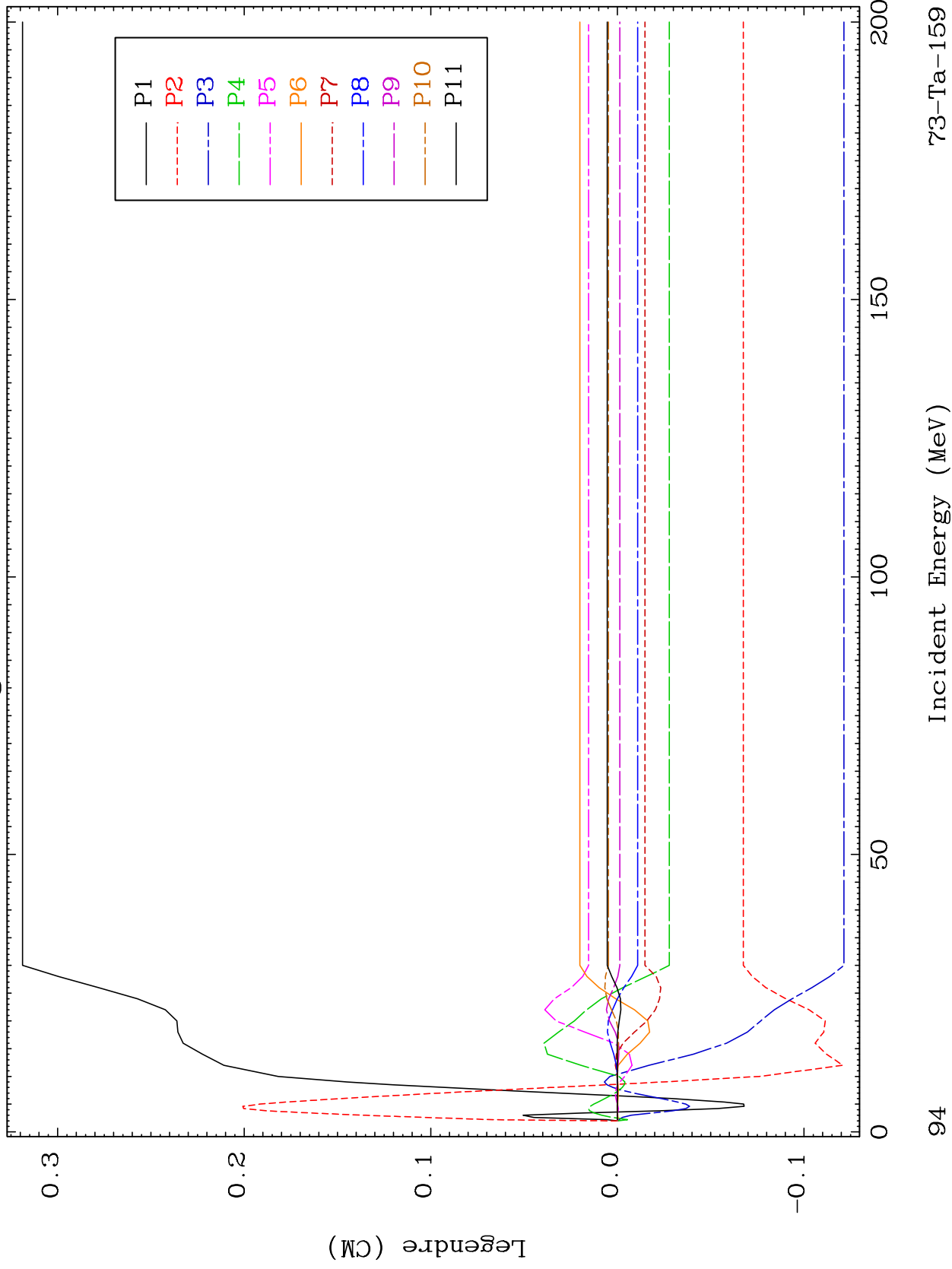
92



MAT 7262

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

73-Ta-159



73-Ta-159

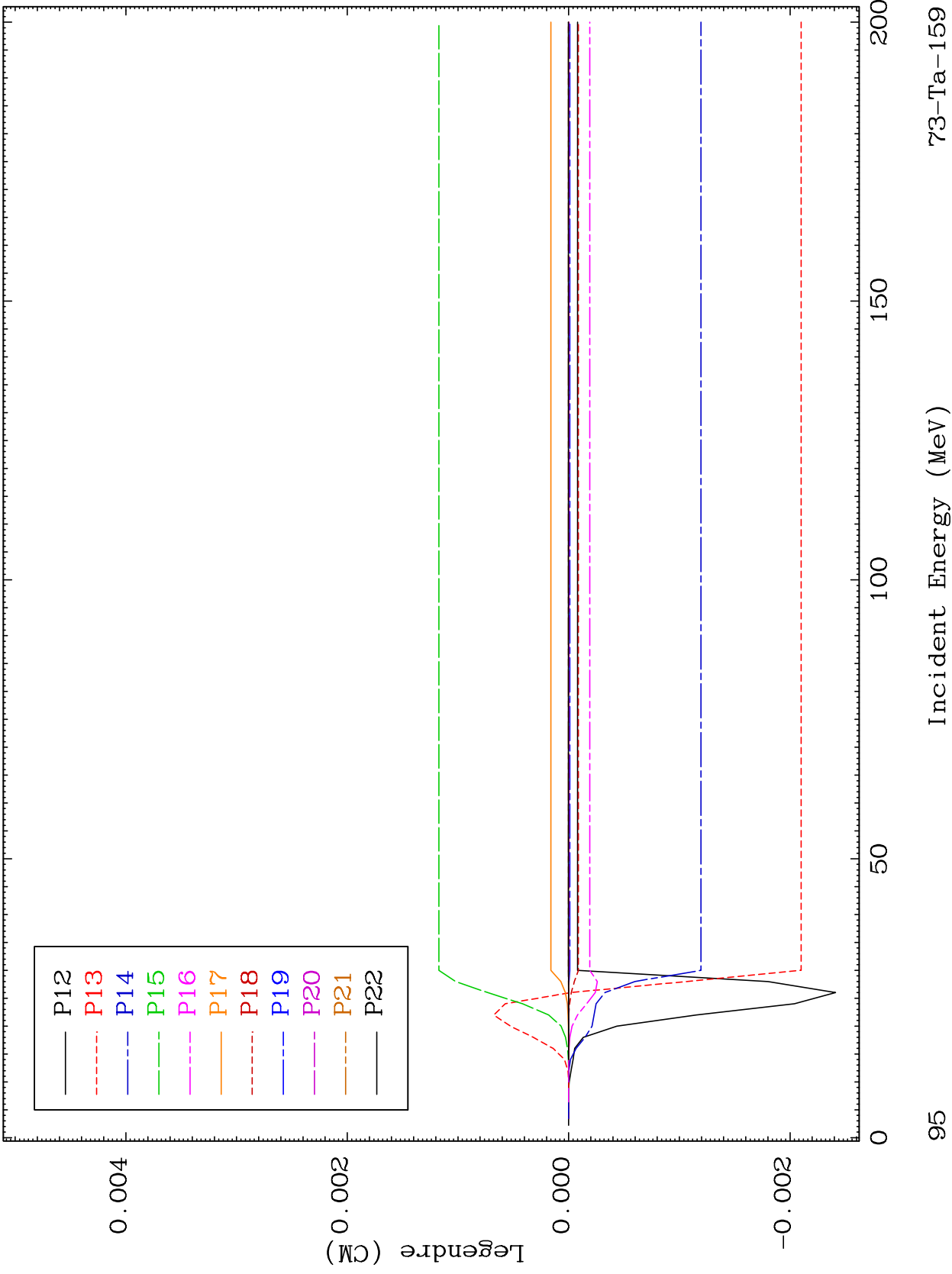
Incident Energy (MeV)

94

MAT 7262

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

73-Ta-159



95

Incident Energy (MeV)

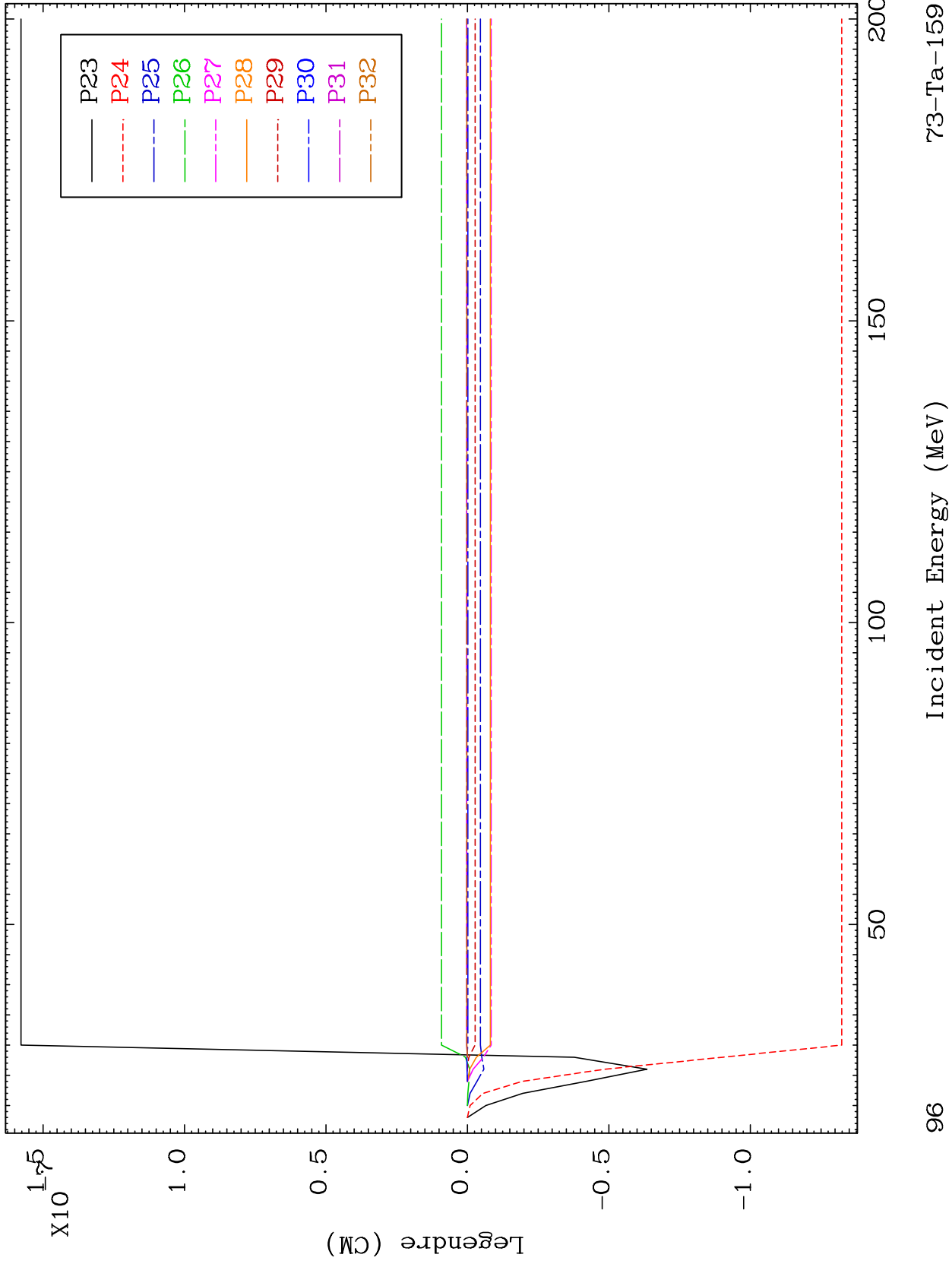
73-Ta-159



MAT 7262

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

73-Ta-159



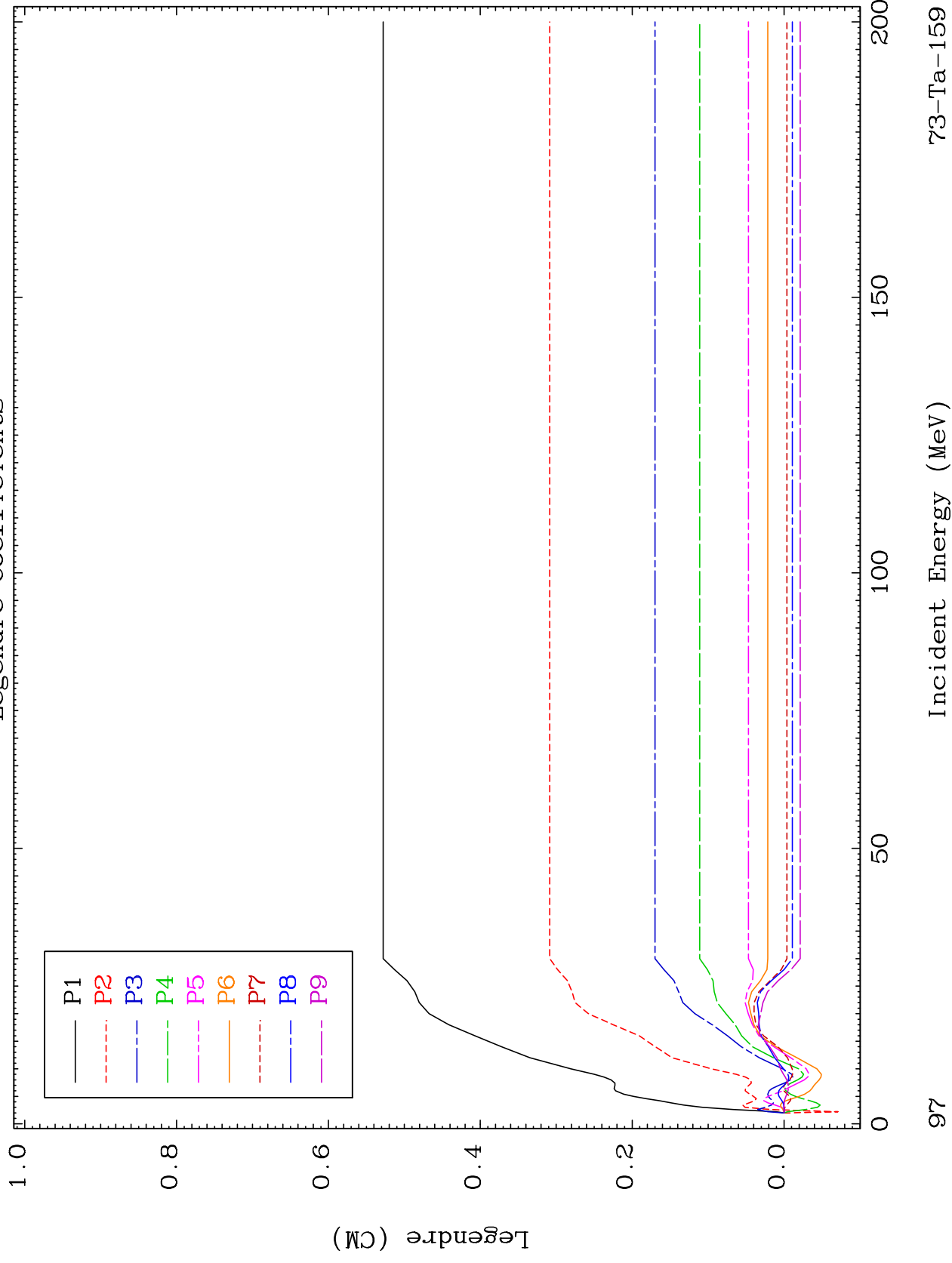
96

73-Ta-159

MAT 7262

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

73-Ta-159



97

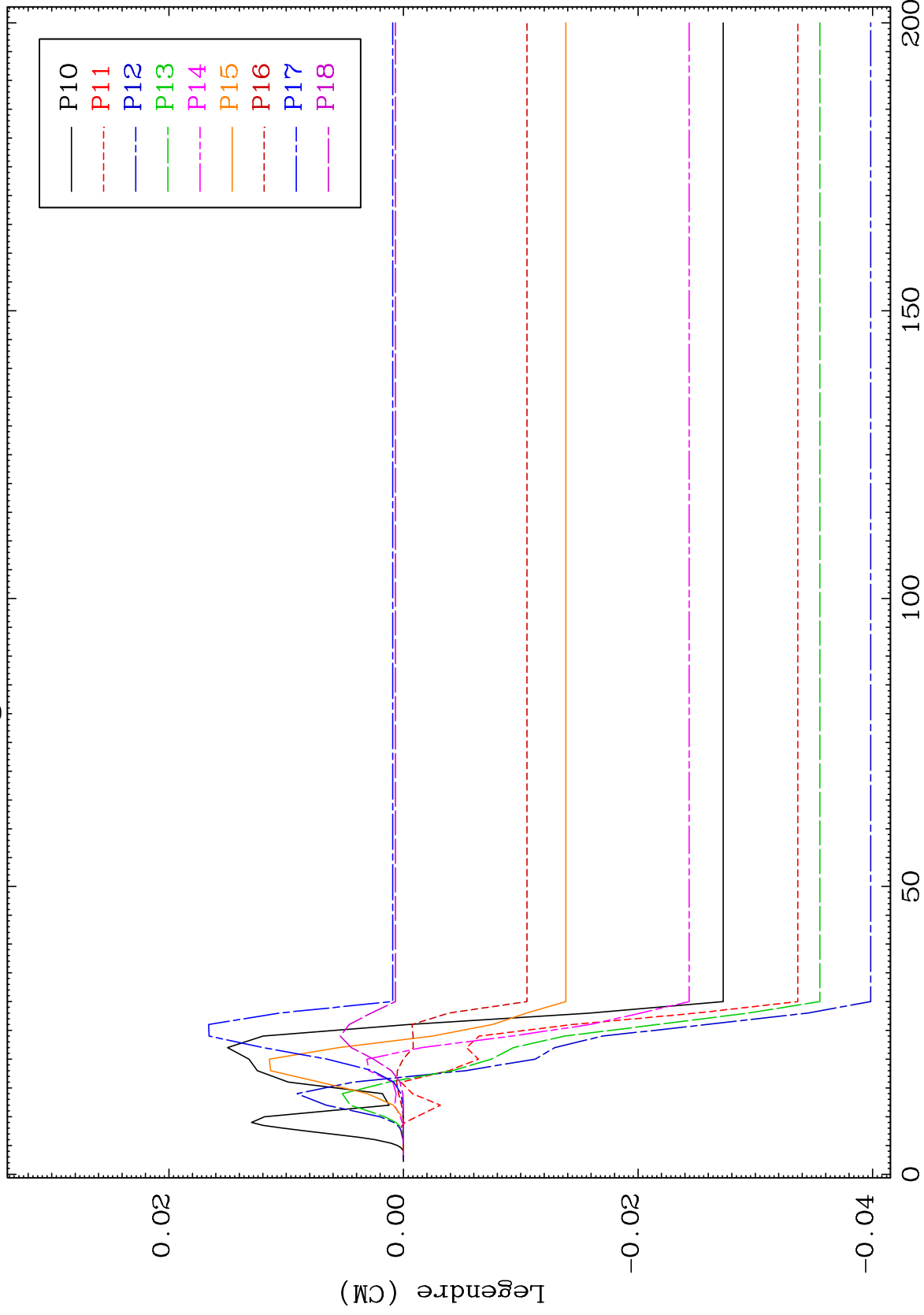
Incident Energy (MeV)

73-Ta-159

MAT 7262

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

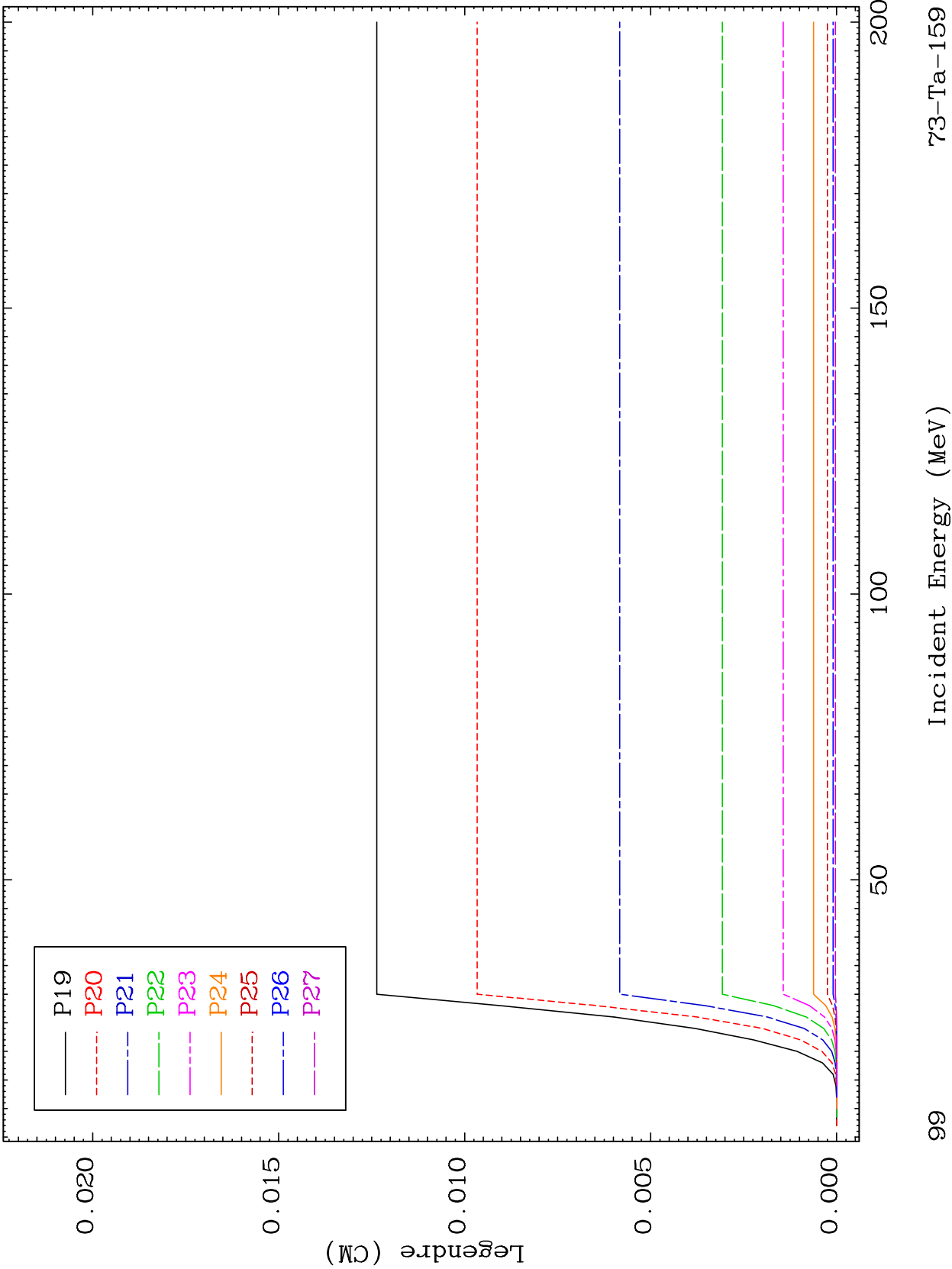
73-Ta-159



98

Incident Energy (MeV)

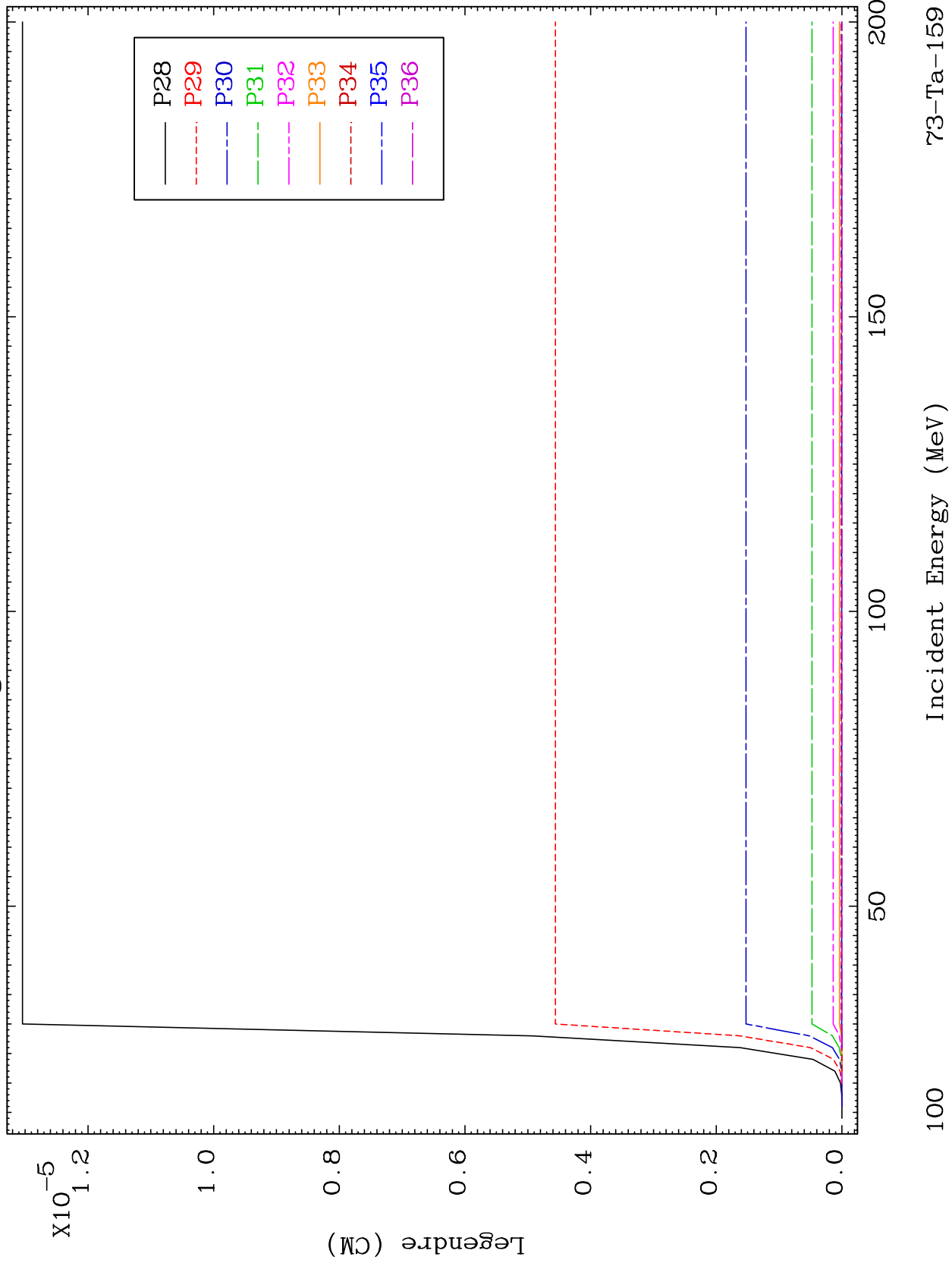
73-Ta-159



MAT 7262

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

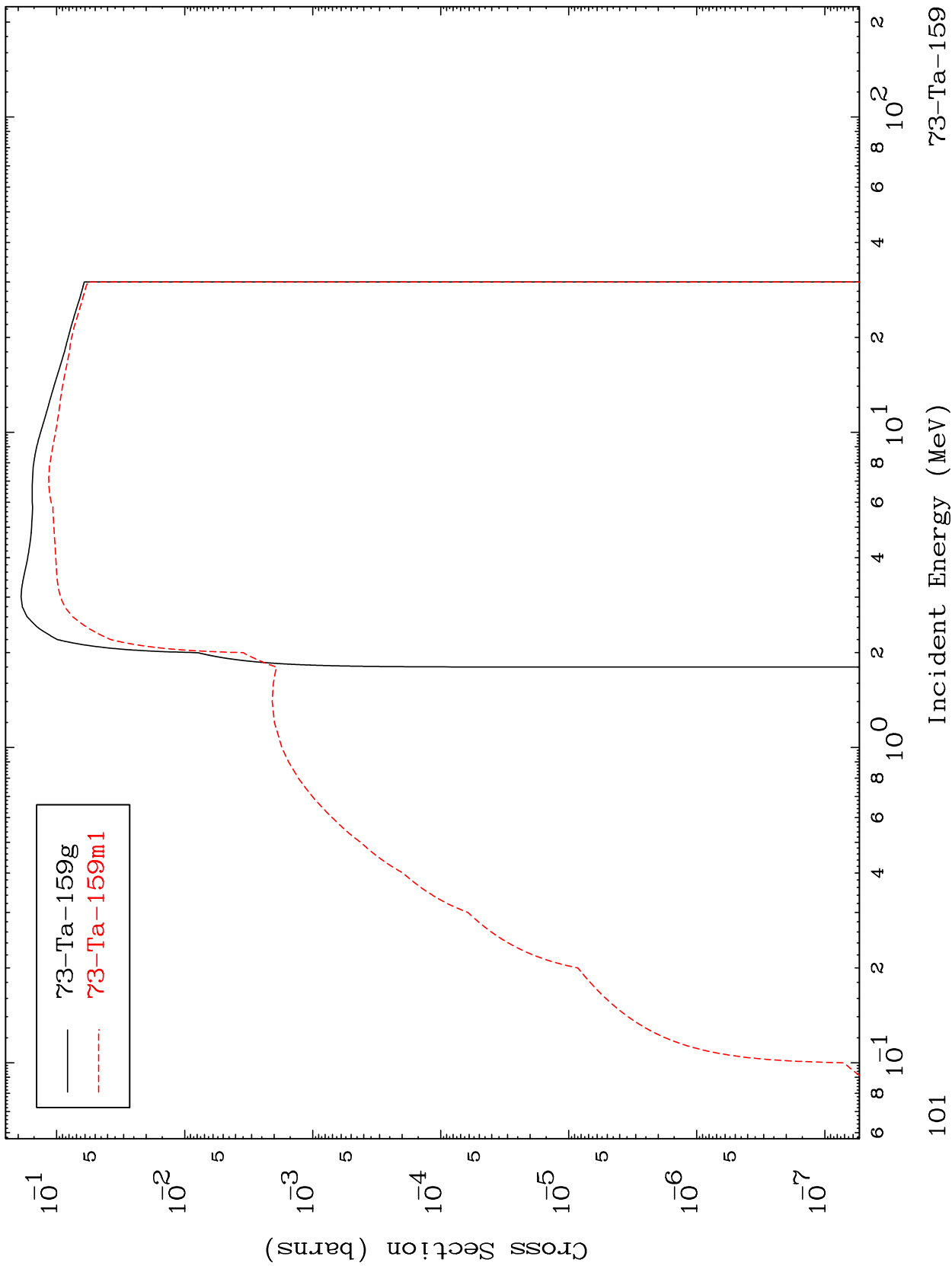
73-Ta-159



MAT 7262

<sup>73</sup>Ta-159

Radionuclide Production Cross Section



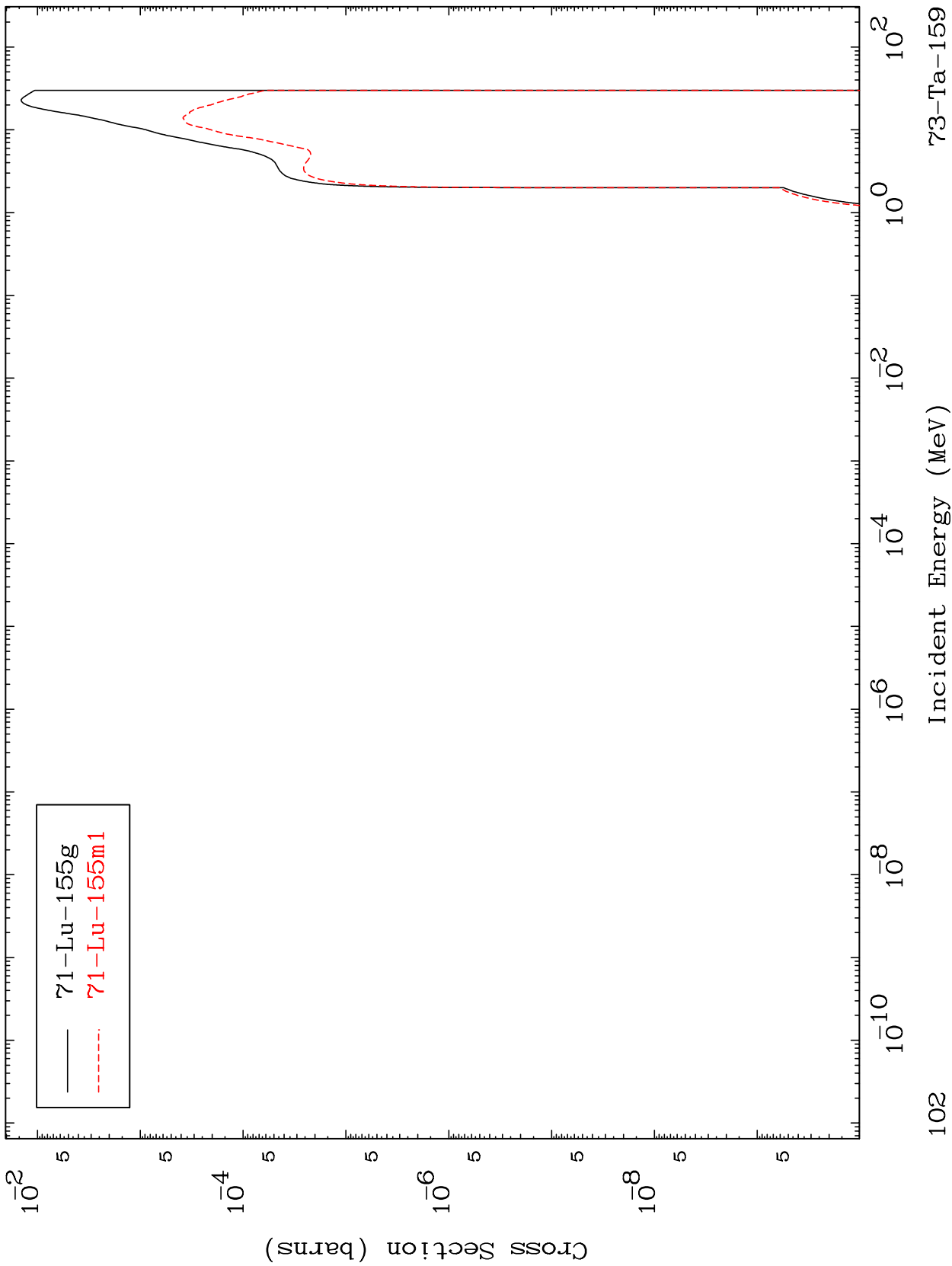
101

MAT 7262

$(n, n') \alpha$

$^{73}\text{Ta-159}$

Radionuclide Production Cross Section



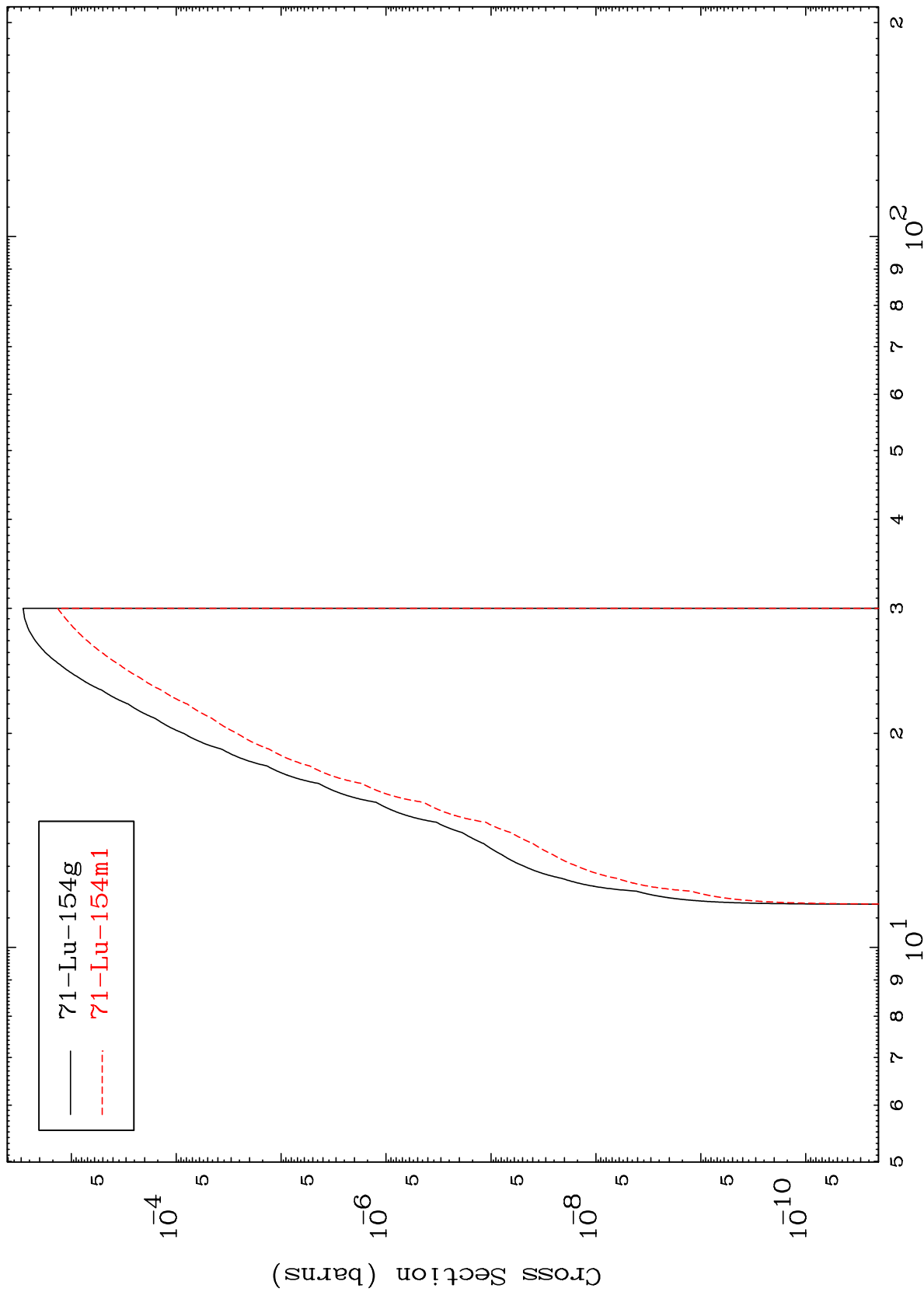
—  $^{71}\text{Lu-155g}$   
- - -  $^{71}\text{Lu-155m1}$

MAT 7262

$(n,2n)$   $\alpha$

$^{73}\text{Ta-159}$

Radionuclide Production Cross Section



103

Incident Energy (MeV)

$^{73}\text{Ta-159}$

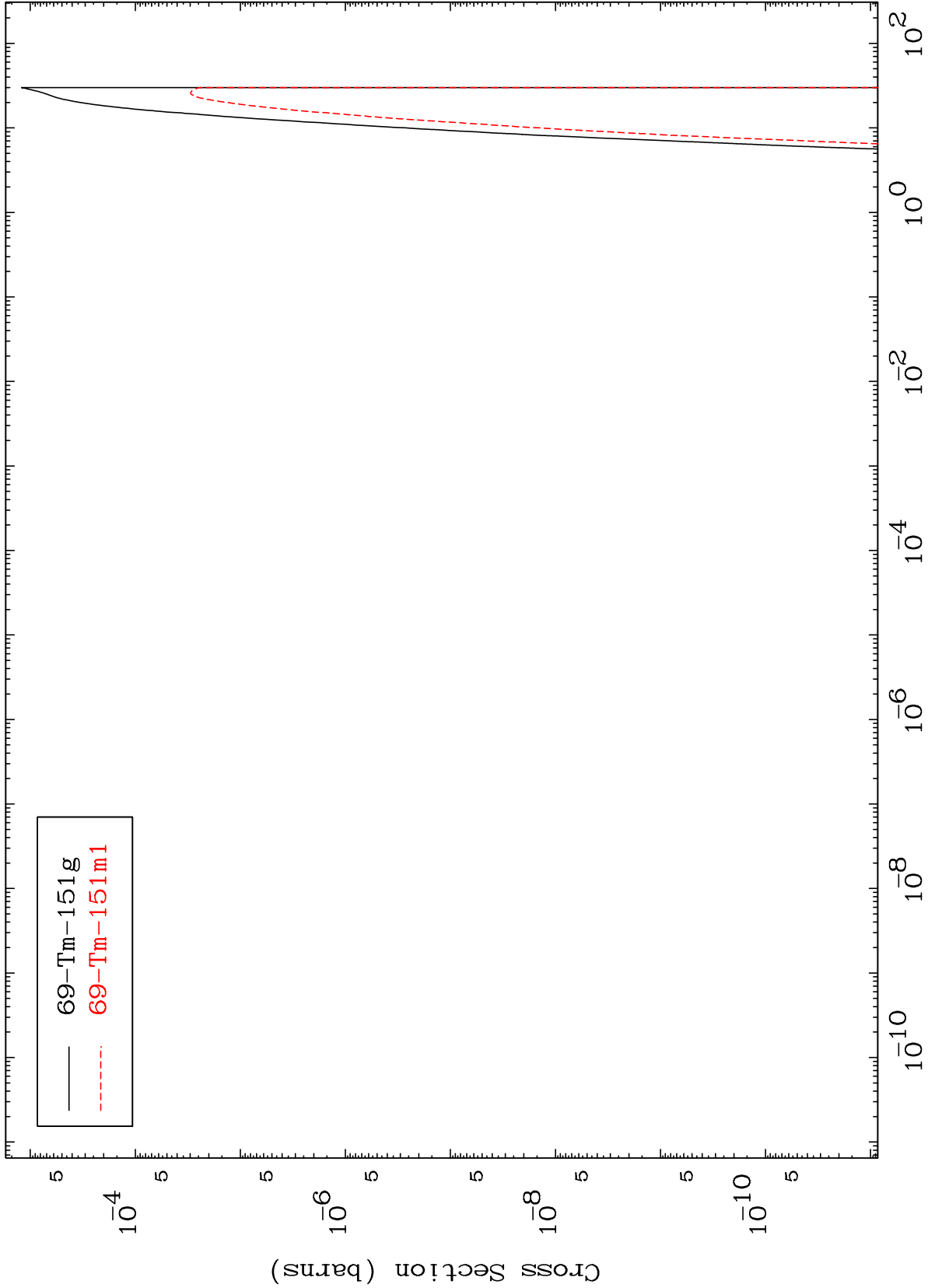


MAT 7262

(n,n') 2α

73-Ta-159

Radionuclide Production Cross Section



104

Incident Energy (MeV)

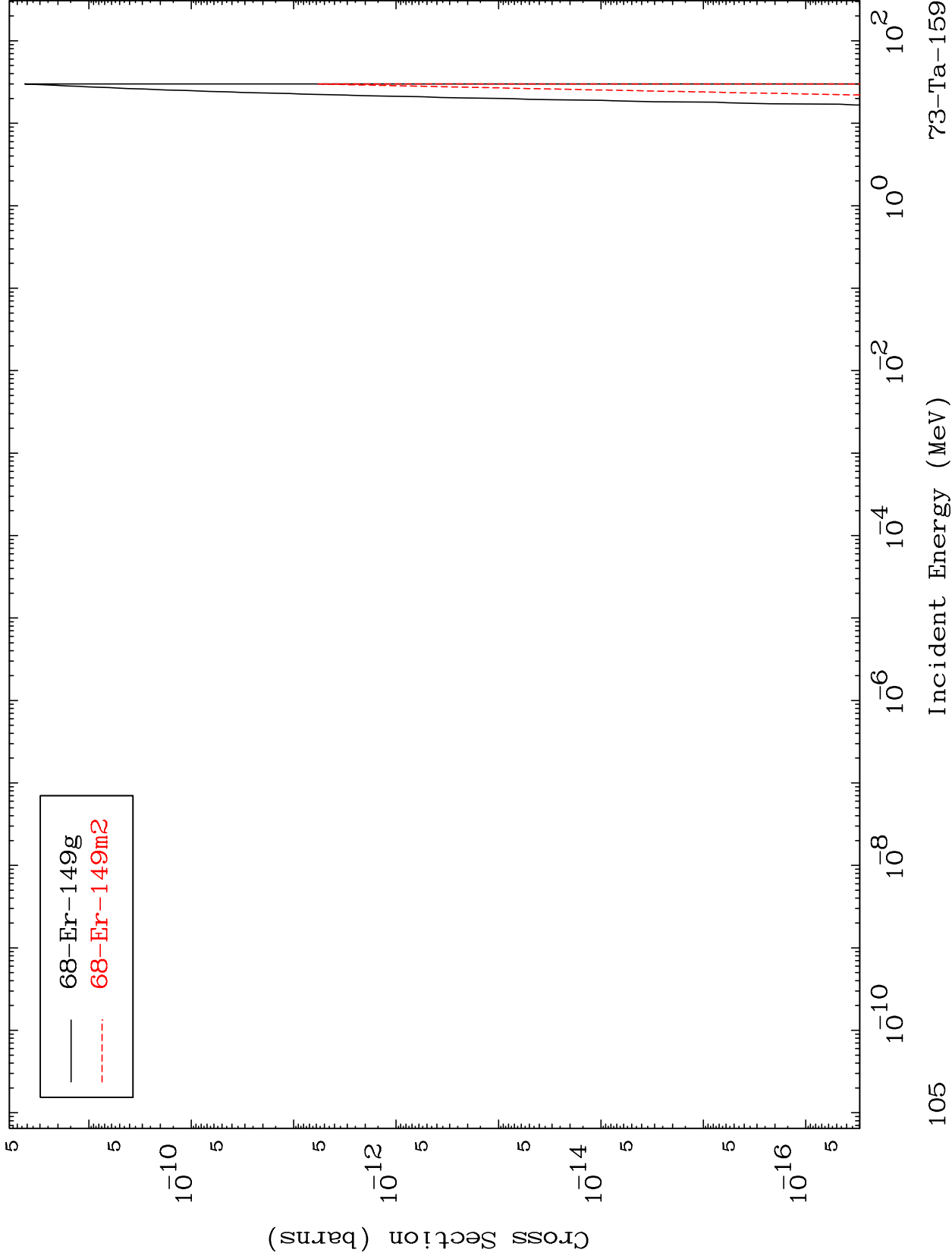
73-Ta-159

MAT 7262

(n,n') d,2α

73-Ta-159

Radionuclide Production Cross Section



68-Er-149g  
68-Er-149m2

105

Incident Energy (MeV)

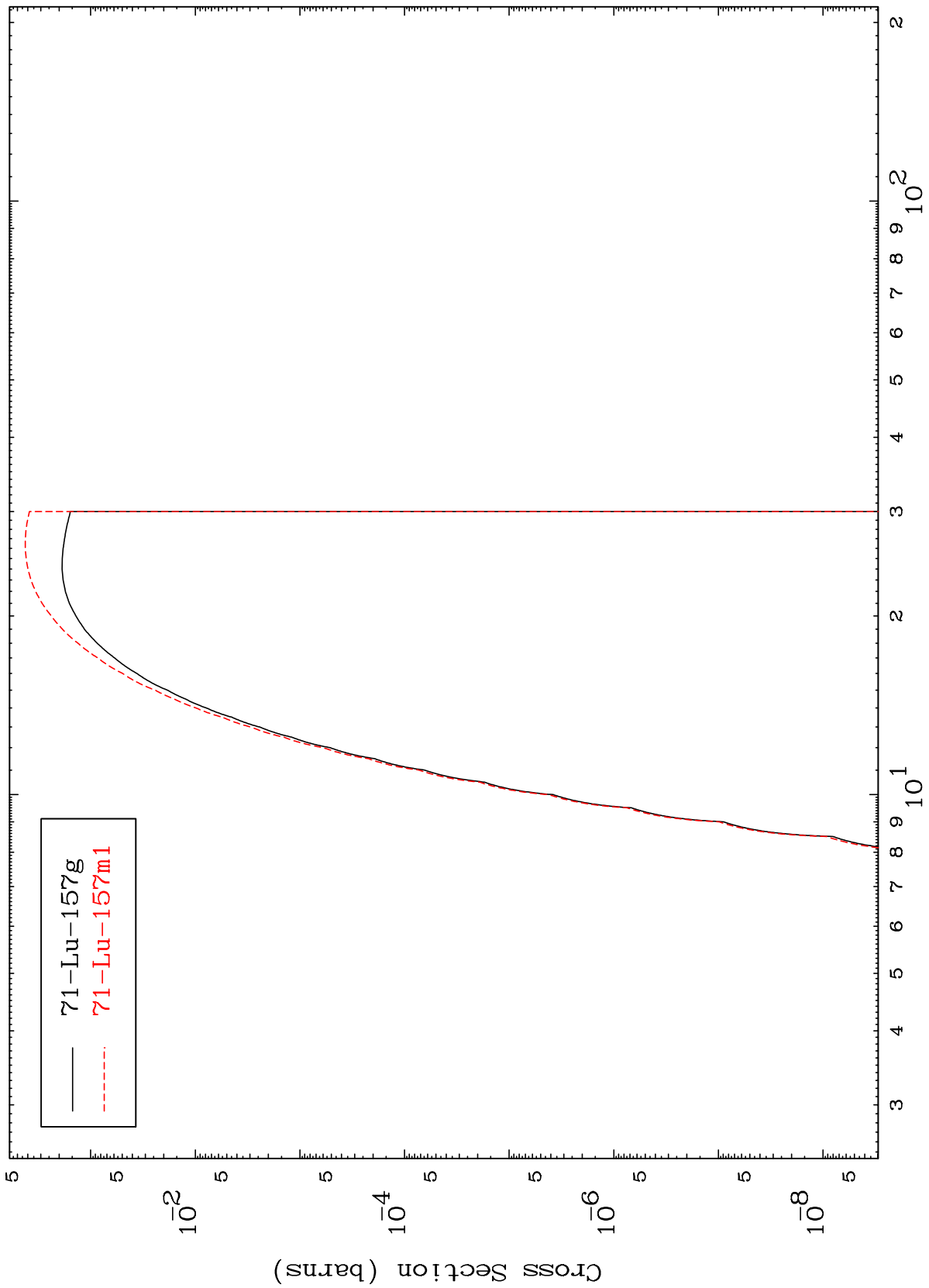
73-Ta-159

MAT 7262

<sup>73</sup>Ta-159

(n,2n) p

Radionuclide Production Cross Section



106

Incident Energy (MeV)

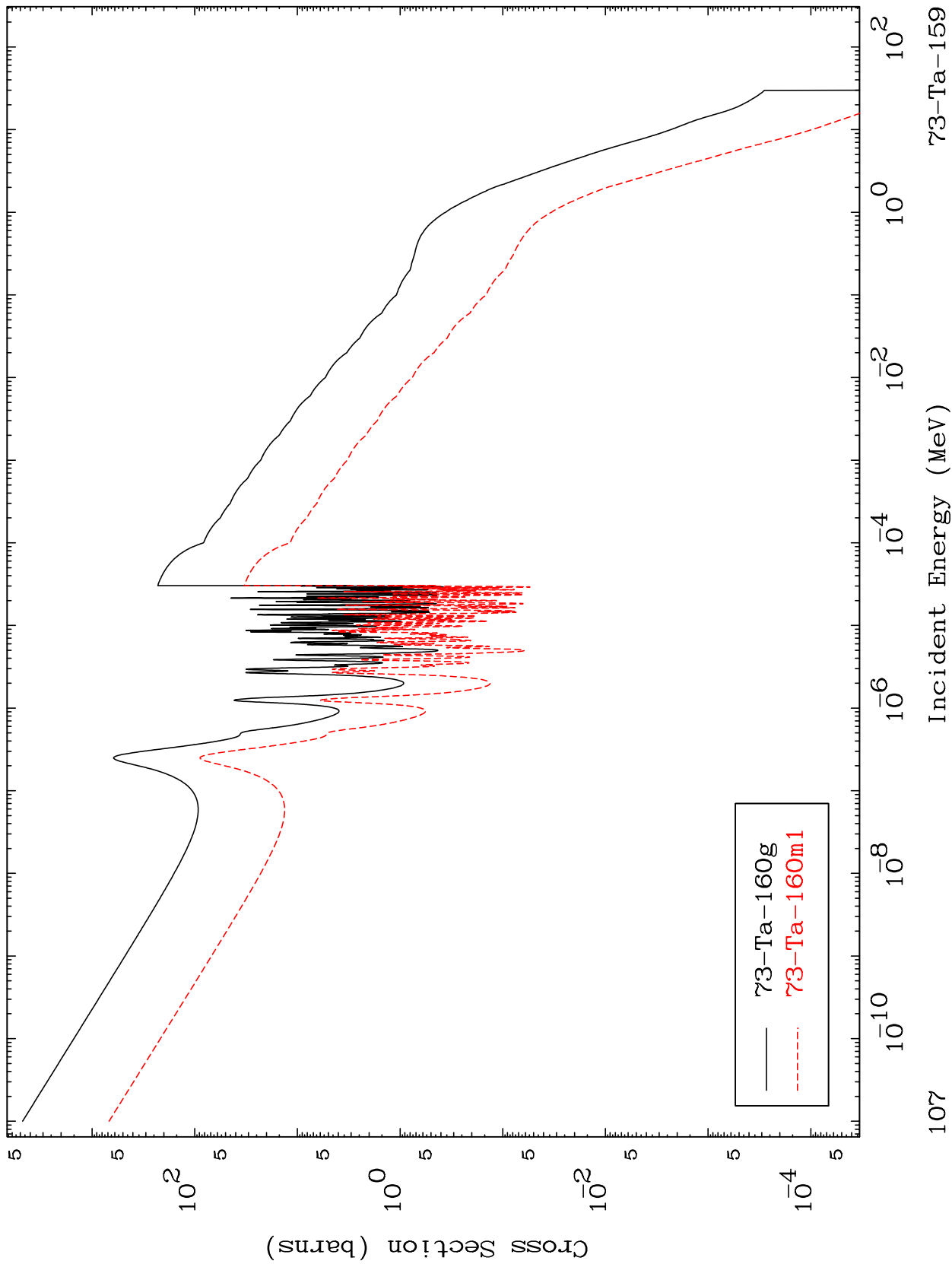
<sup>73</sup>Ta-159

MAT 7262

<sup>73</sup>Ta-159

Radionuclide Production Cross Section

(n,γ)



107

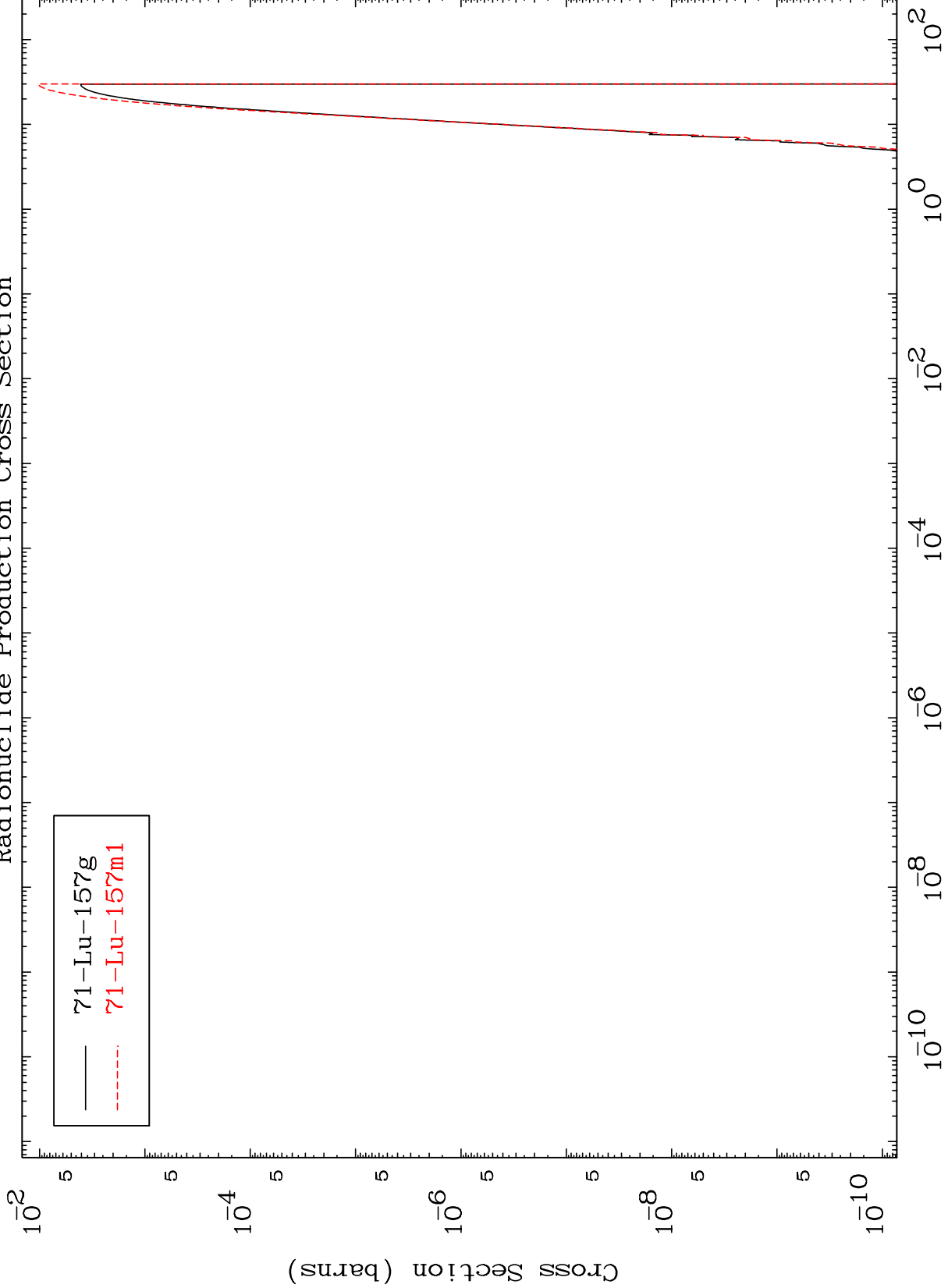
<sup>73</sup>Ta-159

MAT 7262

(n,He-3)

73-Ta-159

Radionuclide Production Cross Section



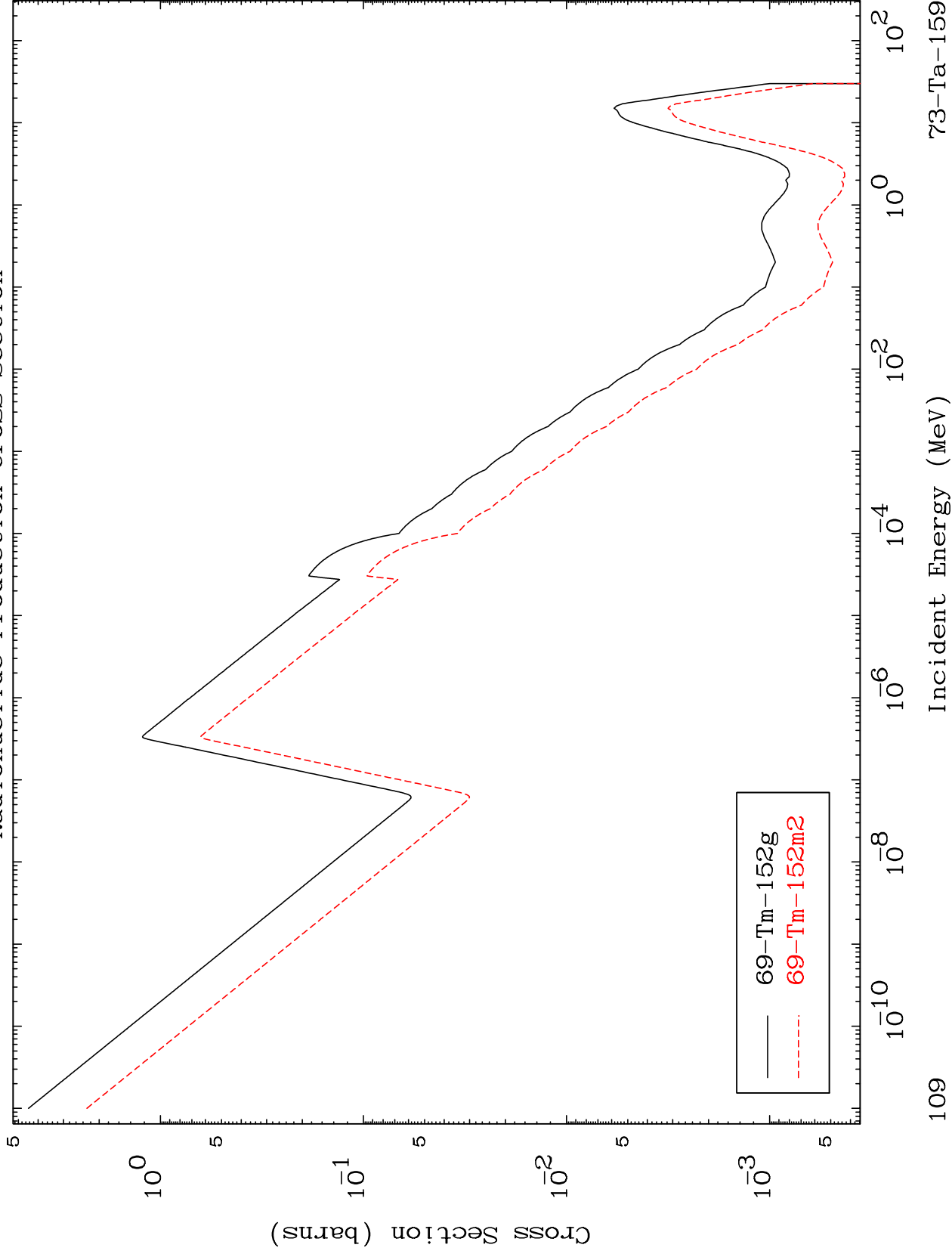
71-Lu-157g  
71-Lu-157m1

MAT 7262

(n,2α)

73-Ta-159

Radionuclide Production Cross Section



109

Incident Energy (MeV)

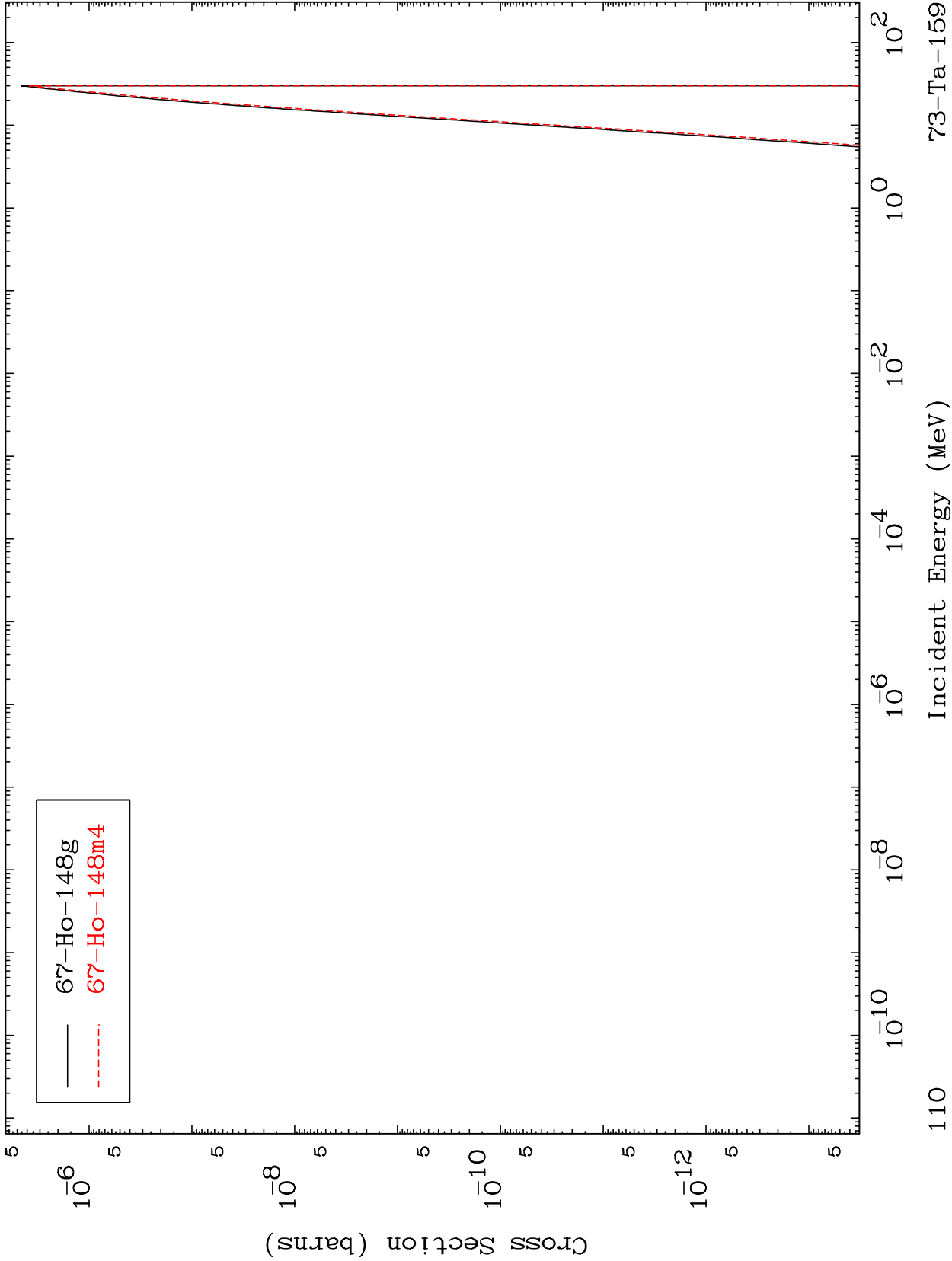
73-Ta-159

MAT 7262

(n, 3 $\alpha$ )

<sup>73</sup>Ta-159

Radionuclide Production Cross Section

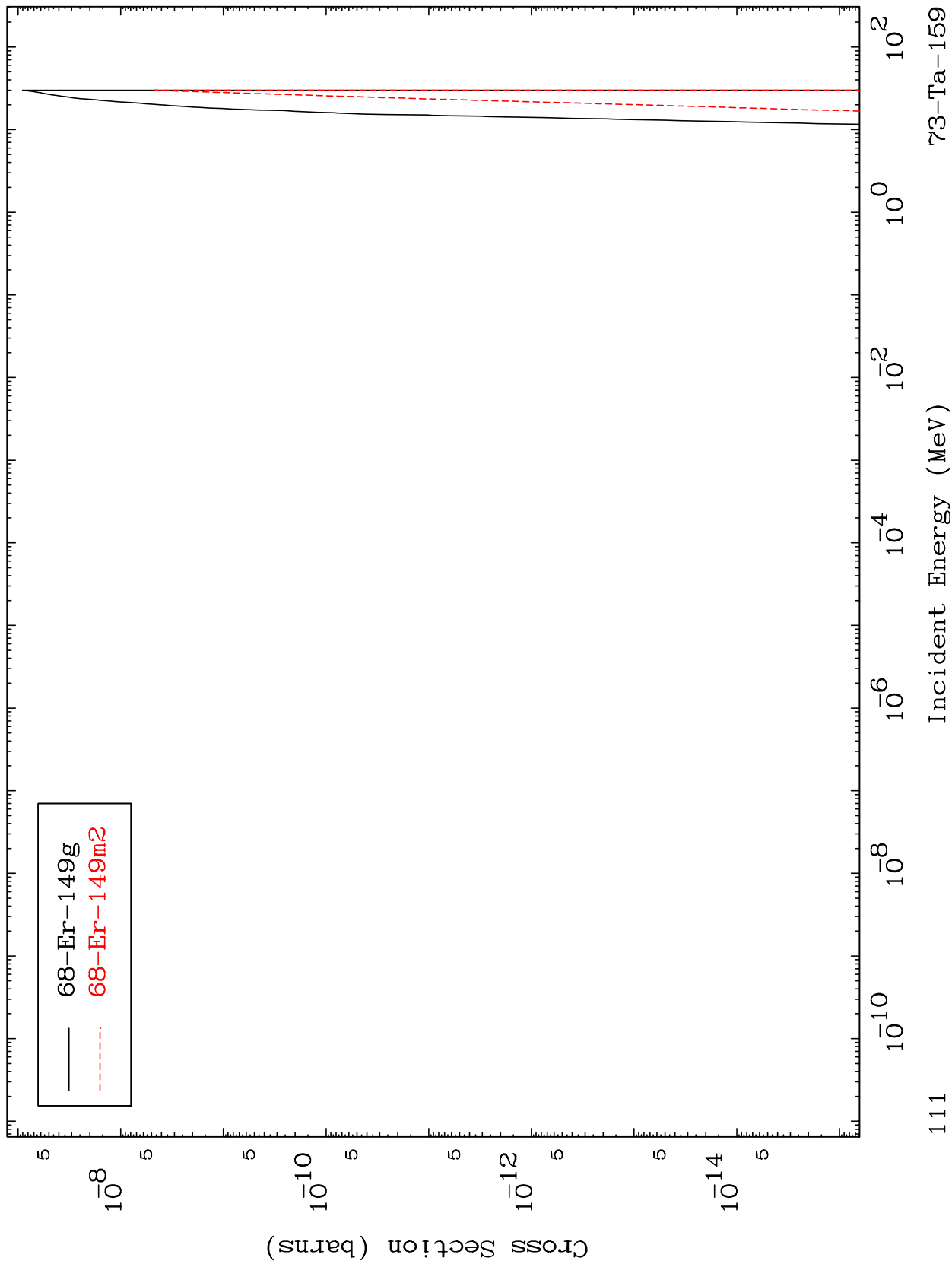


MAT 7262

(n,t) 2 $\alpha$

73-Ta-159

Radionuclide Production Cross Section



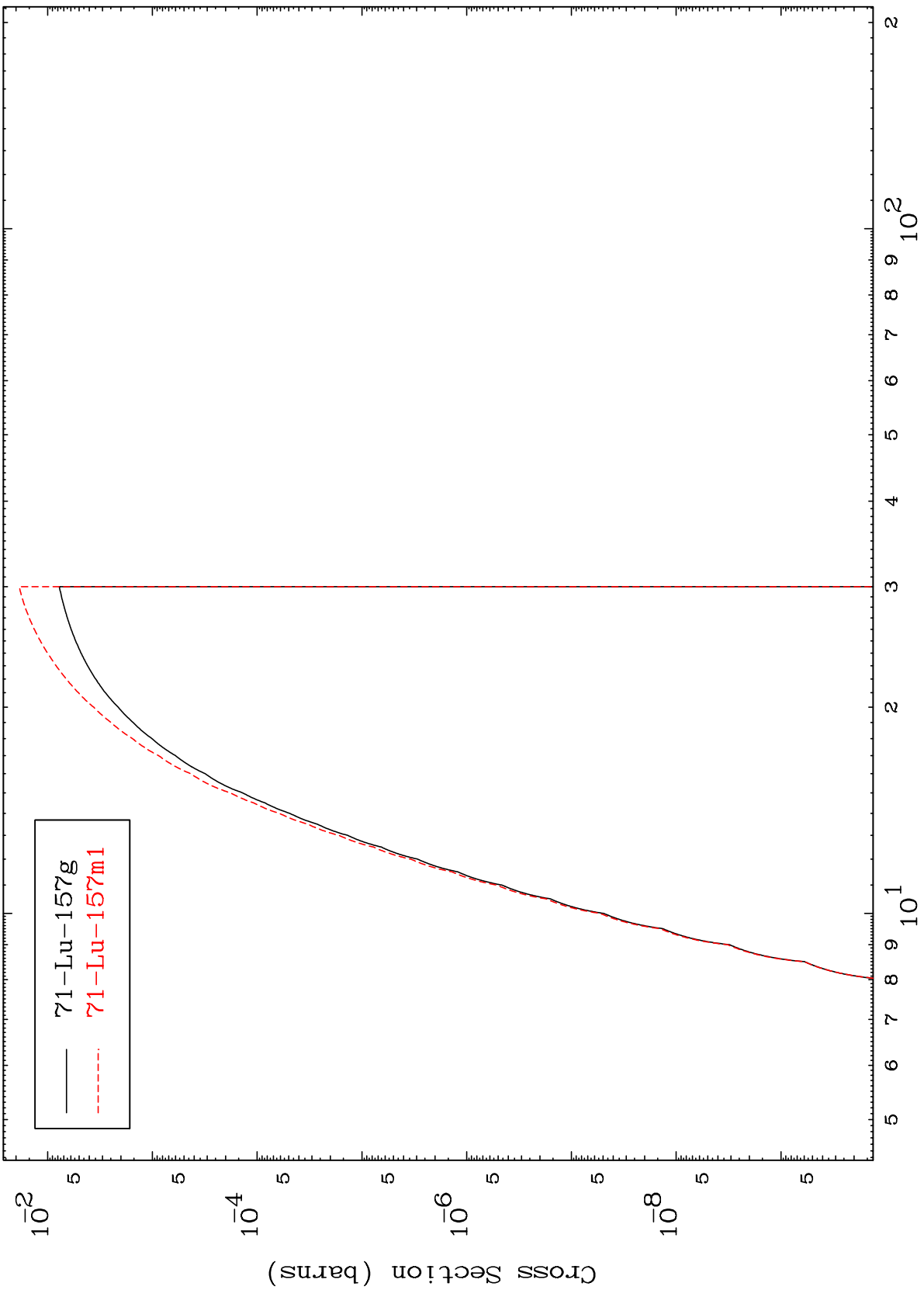


MAT 7262

(n,p) d

<sup>73</sup>Ta-159

Radionuclide Production Cross Section



112

Incident Energy (MeV)

<sup>73</sup>Ta-159