

Program EVALPLOT  
(Version 2018-1)

by

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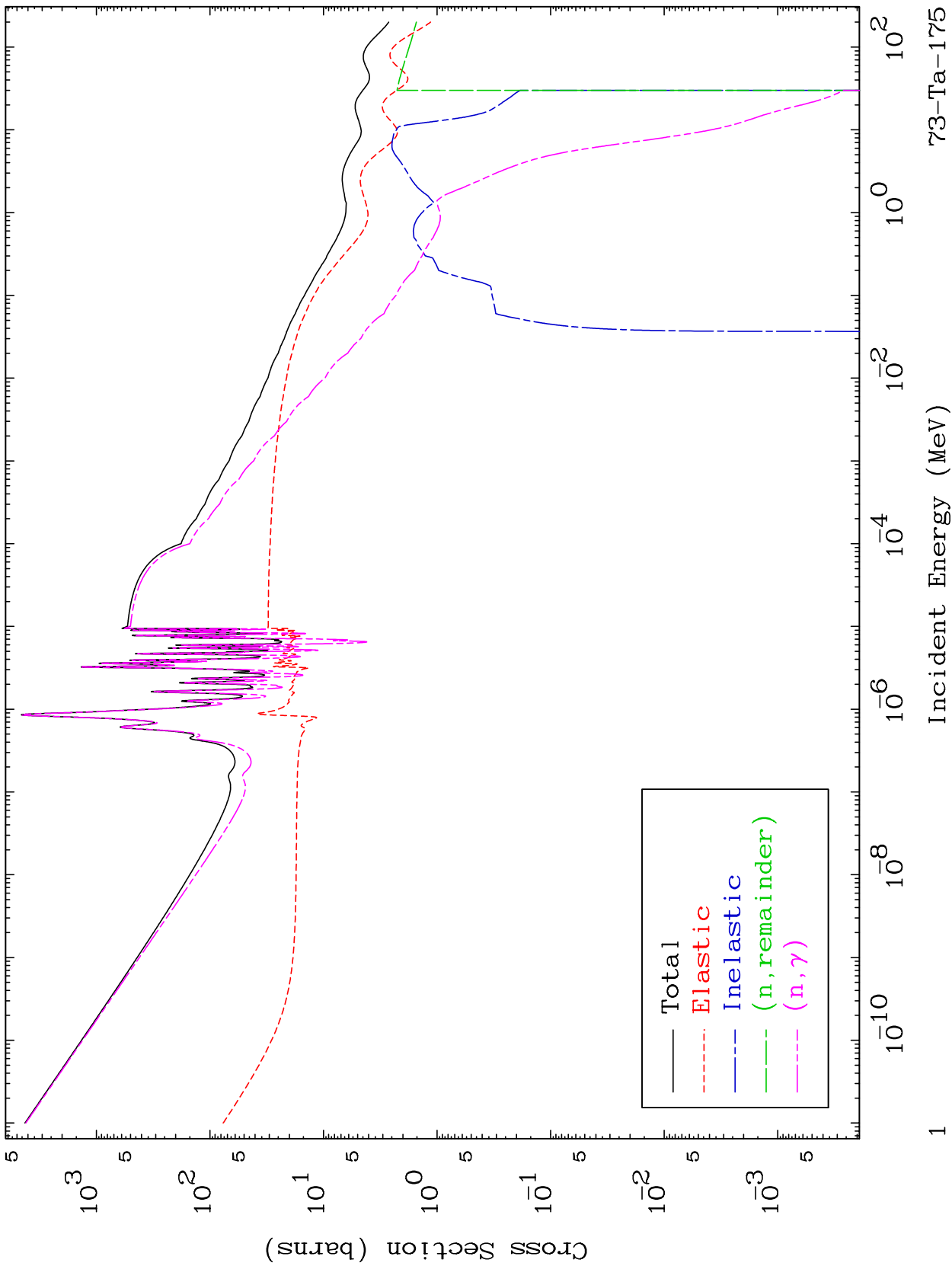
Press Mouse Button to Start

MAT 7310

Major

293 Kelvin Cross Sections

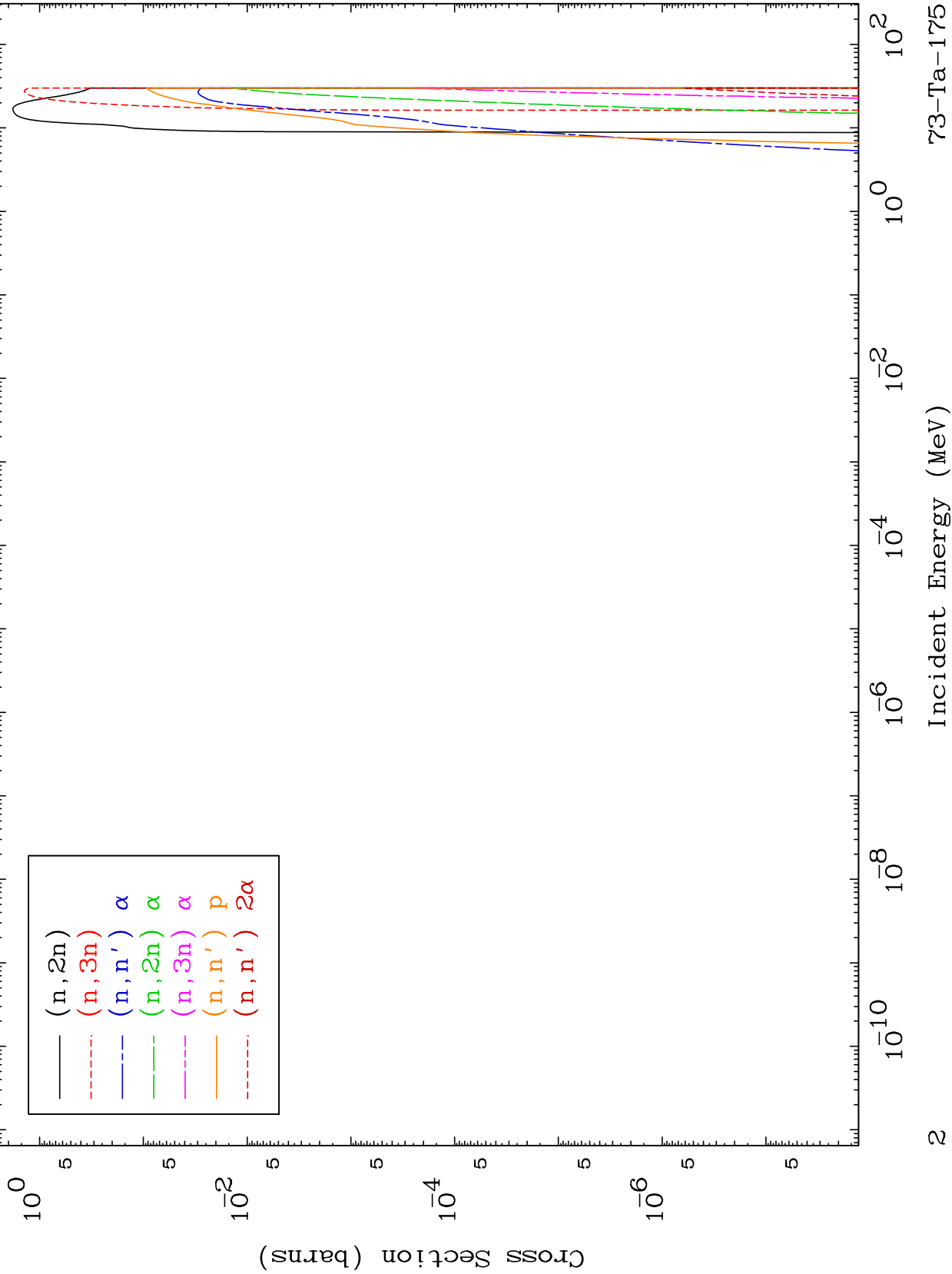
73-Ta-175



MAT 7310

Neutron Production  
293 Kelvin Cross Sections

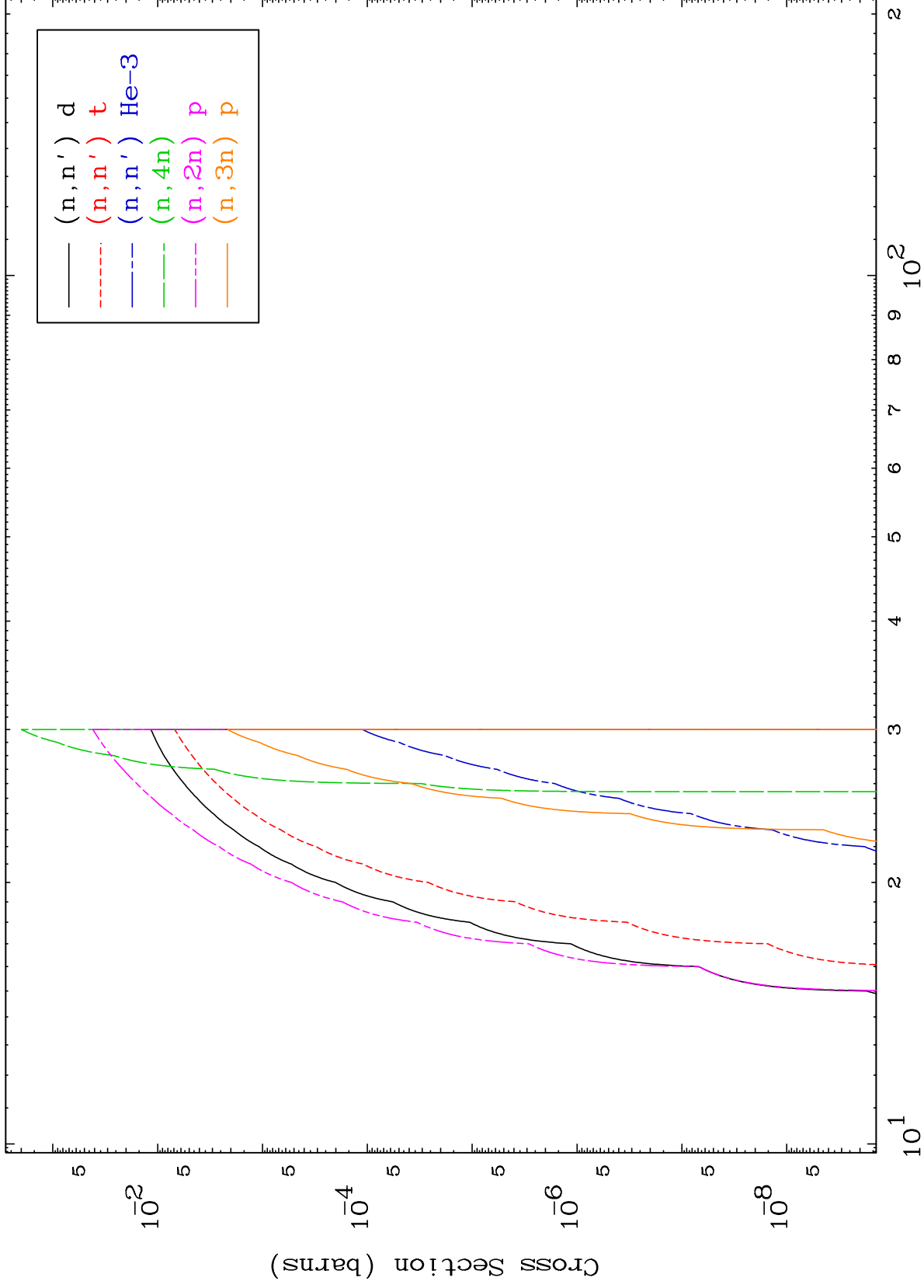
73-Ta-175



MAT 7310

Neutron Production  
293 Kelvin Cross Sections

73-Ta-175



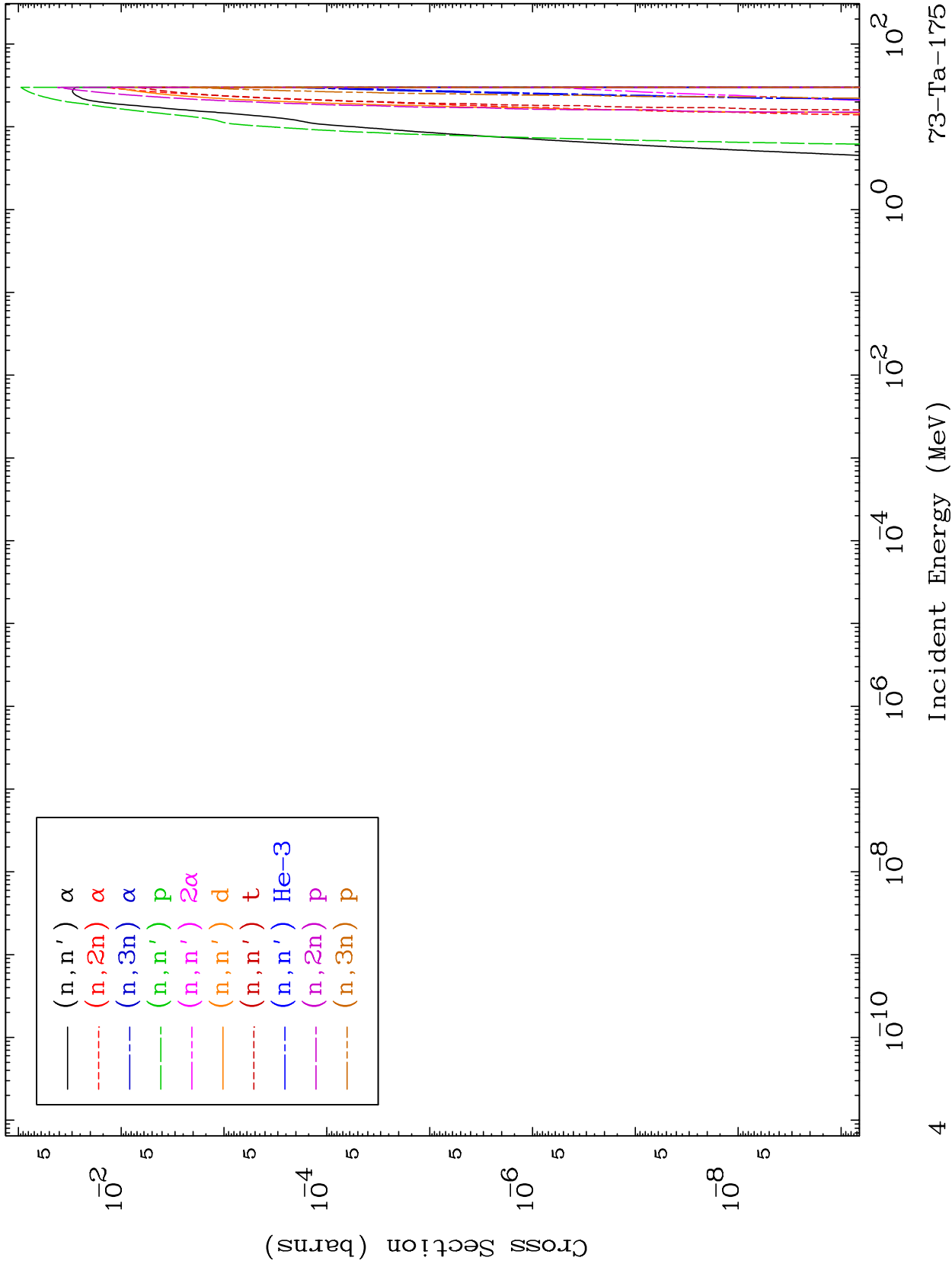
Incident Energy (MeV)

73-Ta-175

MAT 7310

Charged Particle  
293 Kelvin Cross Sections

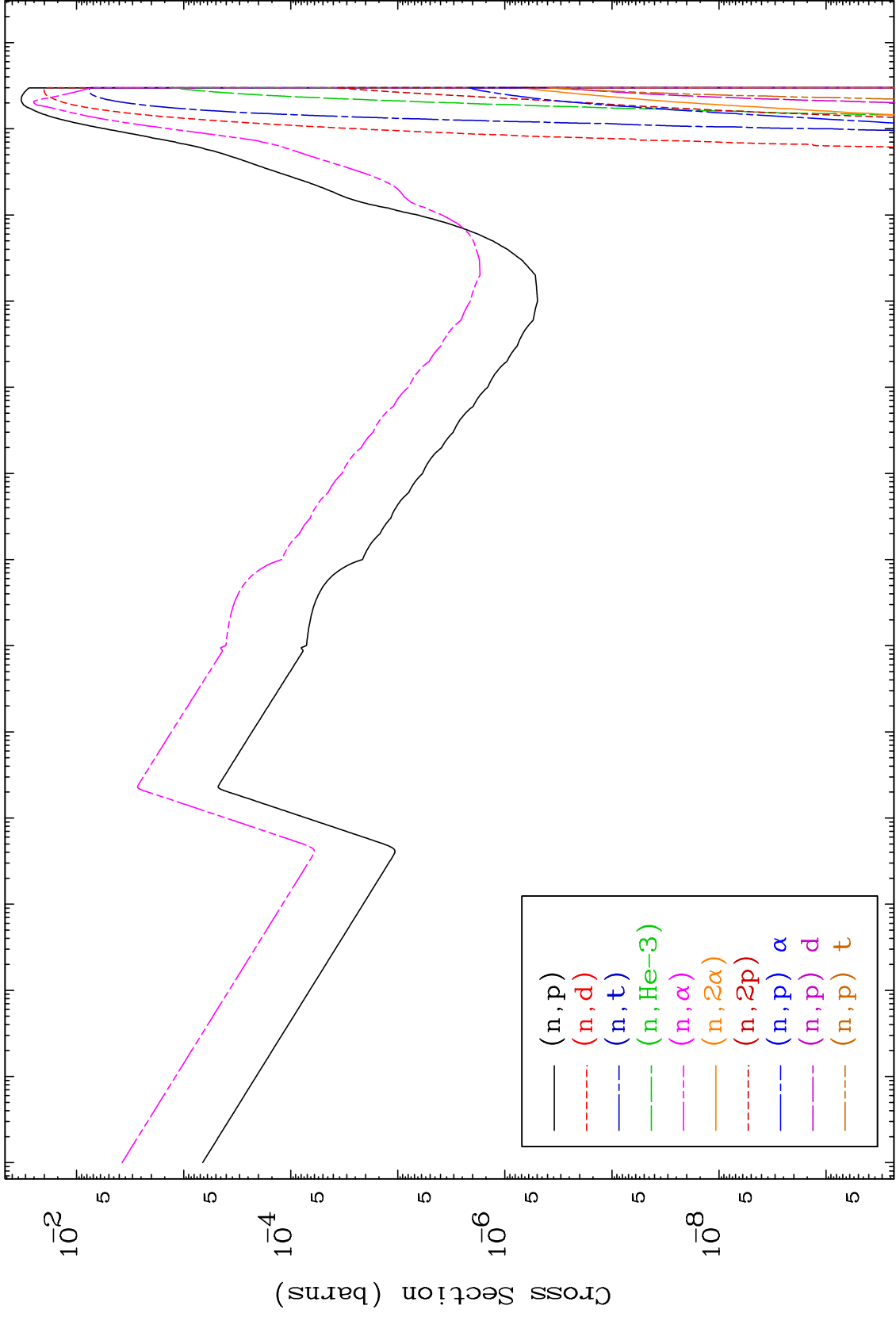
73-Ta-175



MAT 7310

Charged Particle  
293 Kelvin Cross Sections

73-Ta-175



73-Ta-175

10<sup>-2</sup>

10<sup>0</sup>

10<sup>-2</sup>

10<sup>-4</sup>

10<sup>-6</sup>

10<sup>-8</sup>

10<sup>-10</sup>

Incident Energy (MeV)

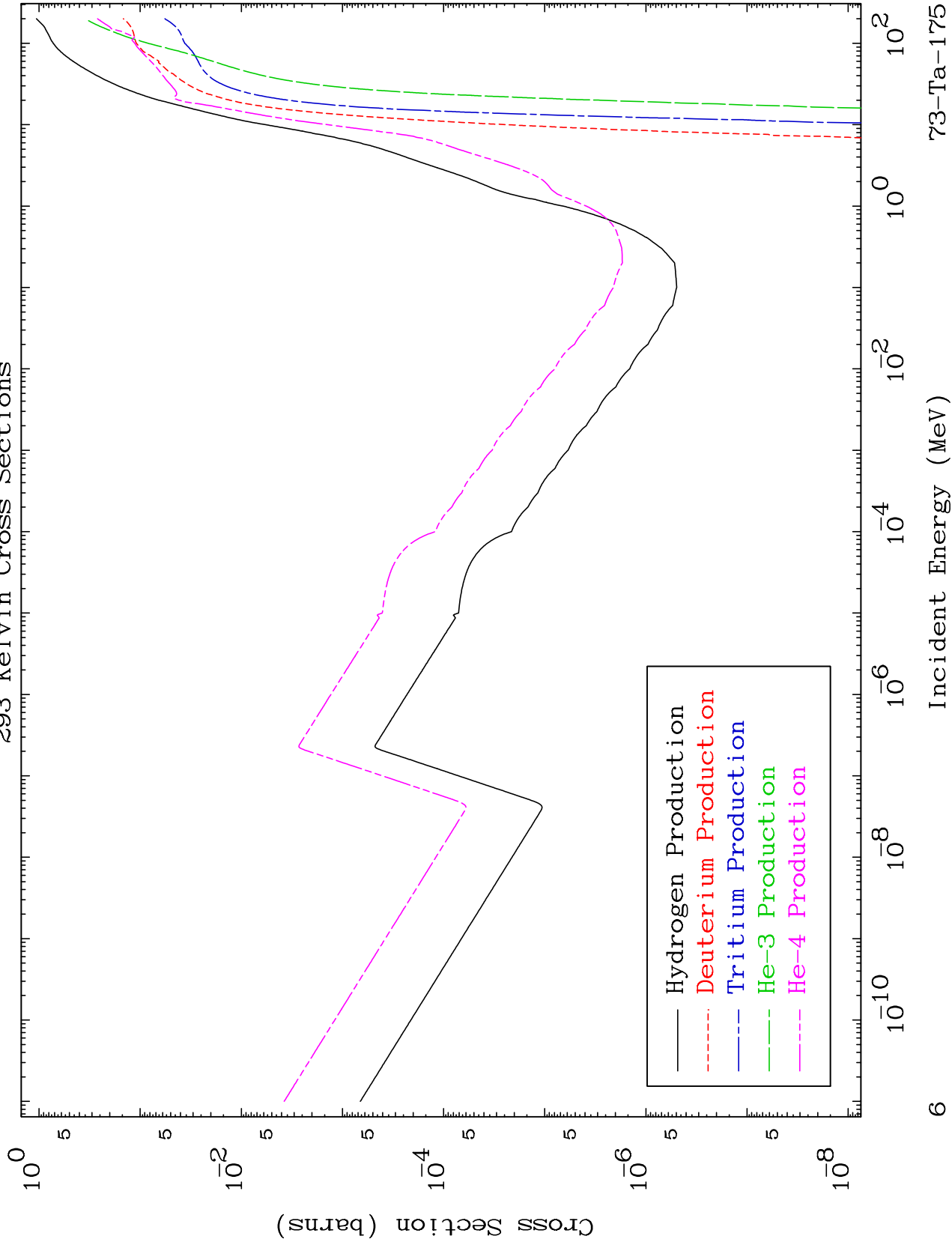
73-Ta-175

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MAT 7310

Particle Production  
293 Kelvin Cross Sections

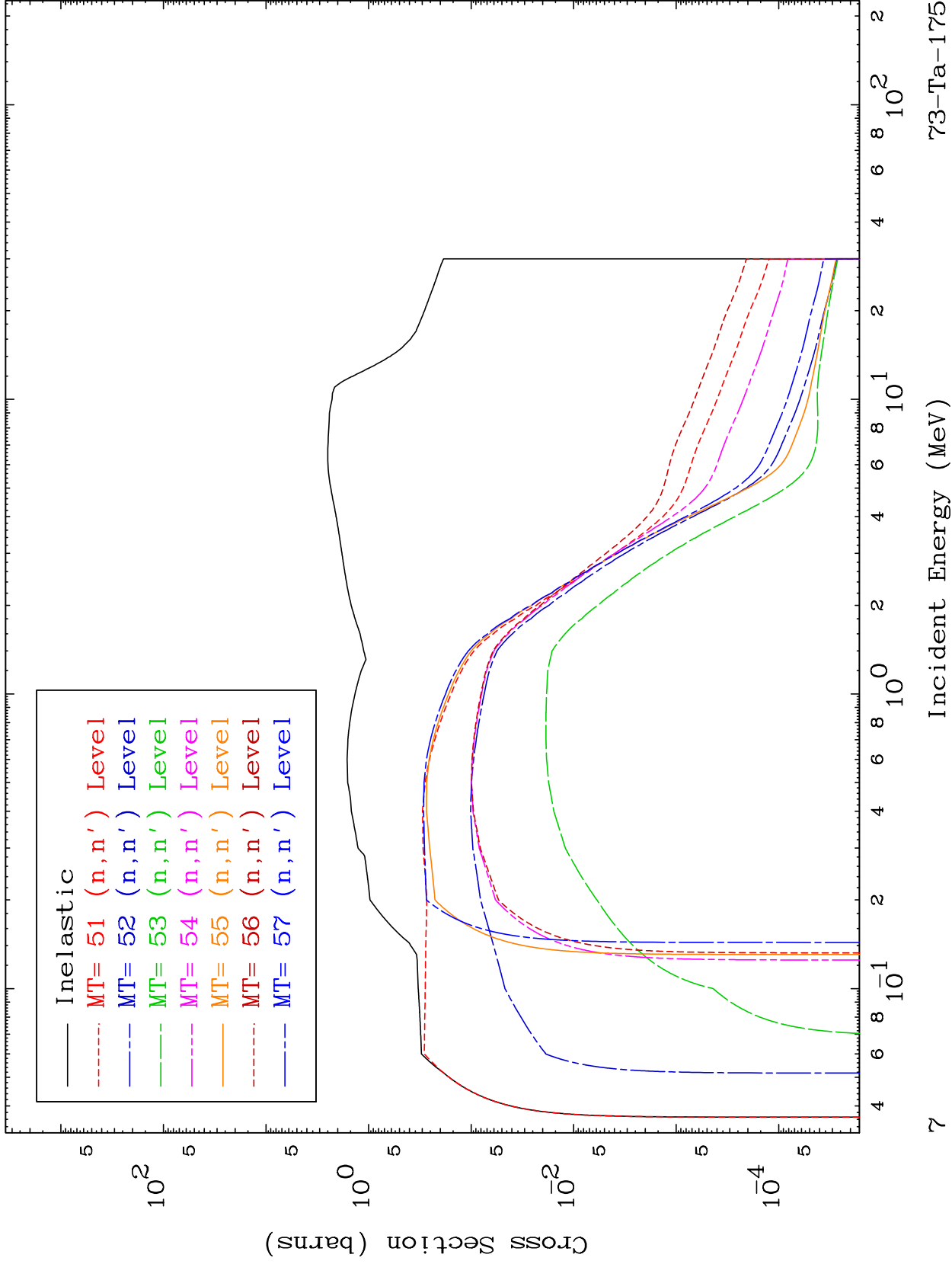
73-Ta-175



MAT 7310

(n,n') Level  
293 Kelvin Cross Sections

73-Ta-175



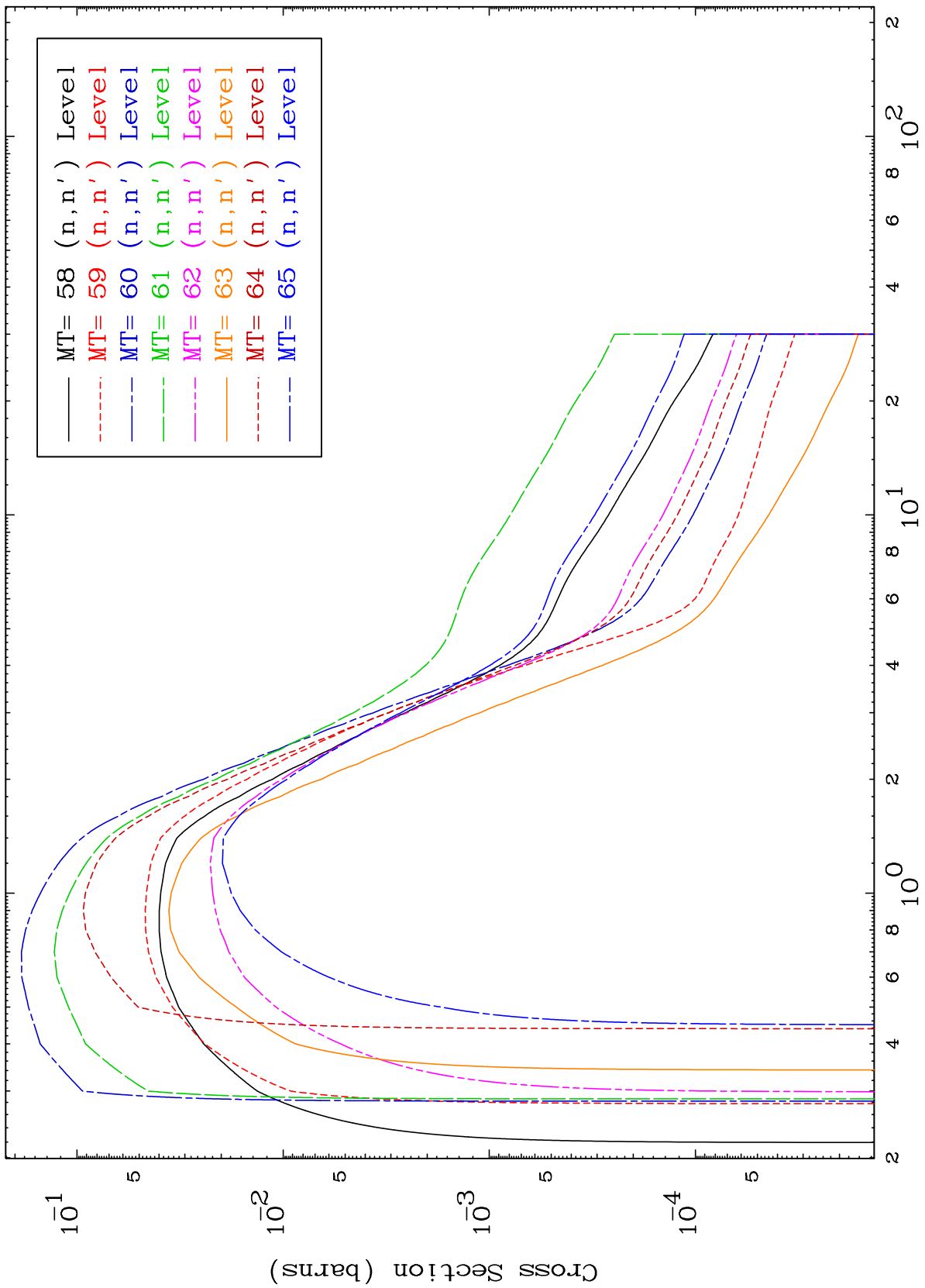


MAT 7310

(n,n') Level

73-Ta-175

293 Kelvin Cross Sections



Incident Energy (MeV)

73-Ta-175

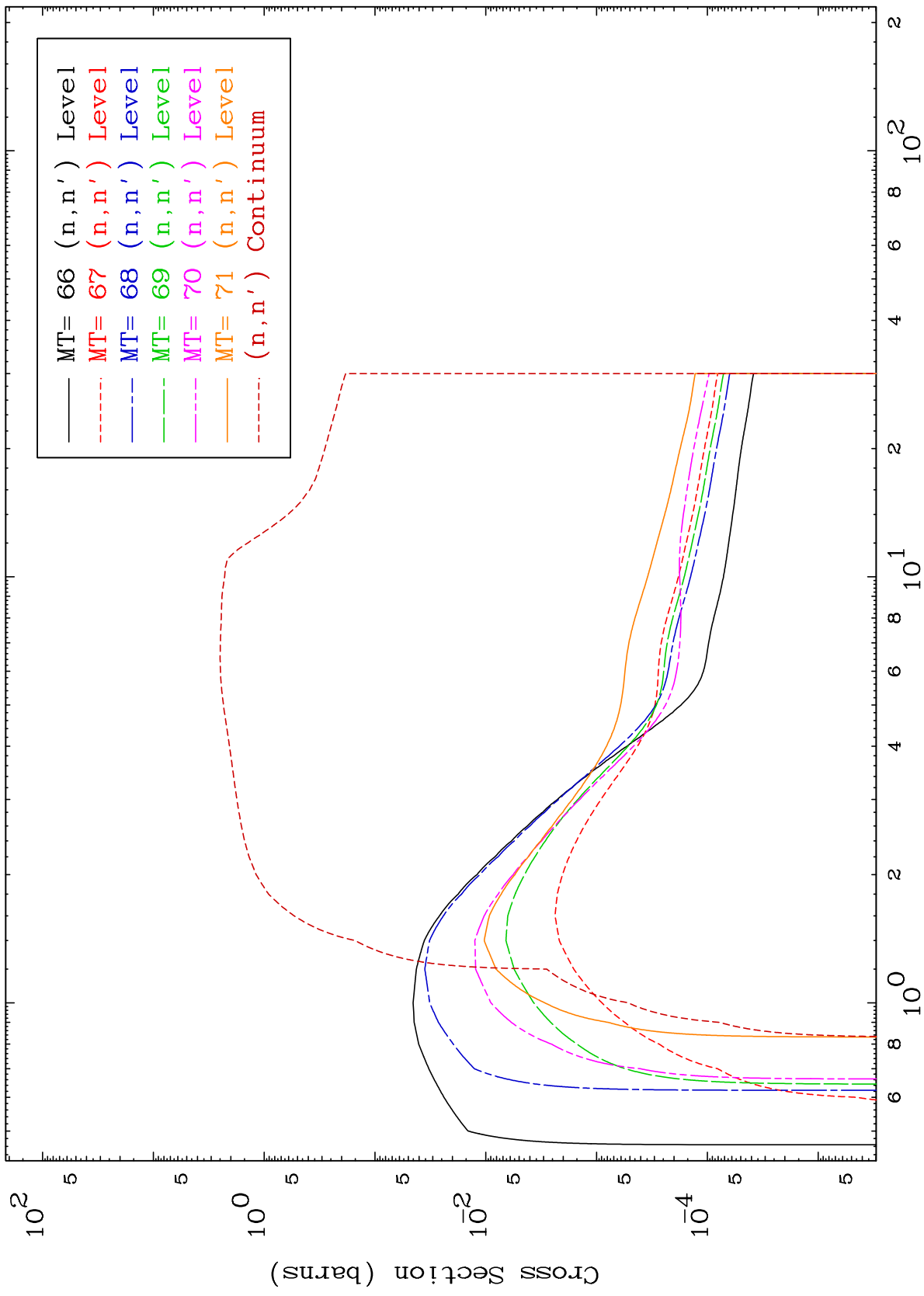
8

MAT 7310

(n,n') Level

293 Kelvin Cross Sections

73-Ta-175



9

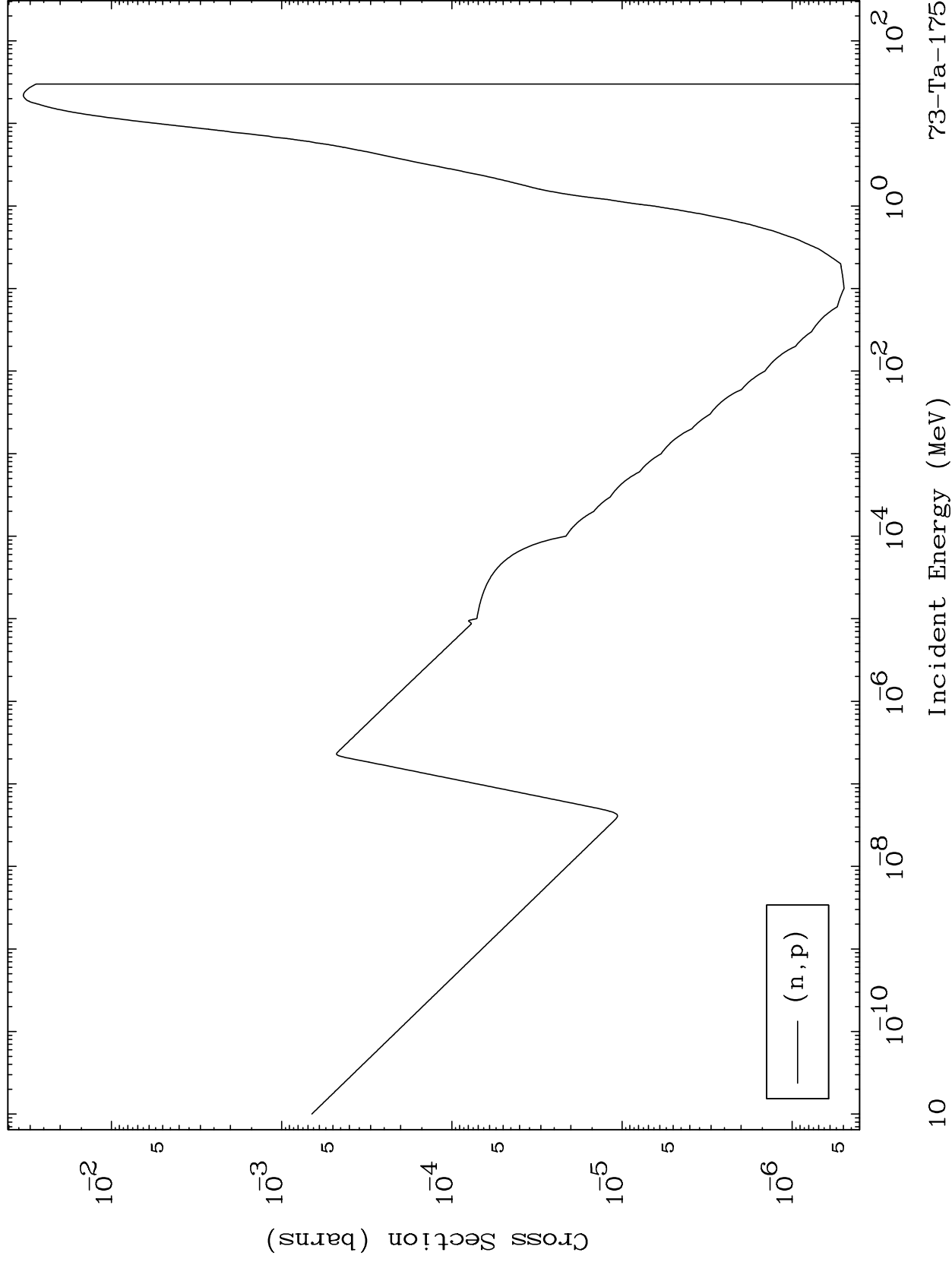
Incident Energy (MeV)

73-Ta-175

MAT 7310

(n,p) Levels  
293 Kelvin Cross Sections

73-Ta-175



10

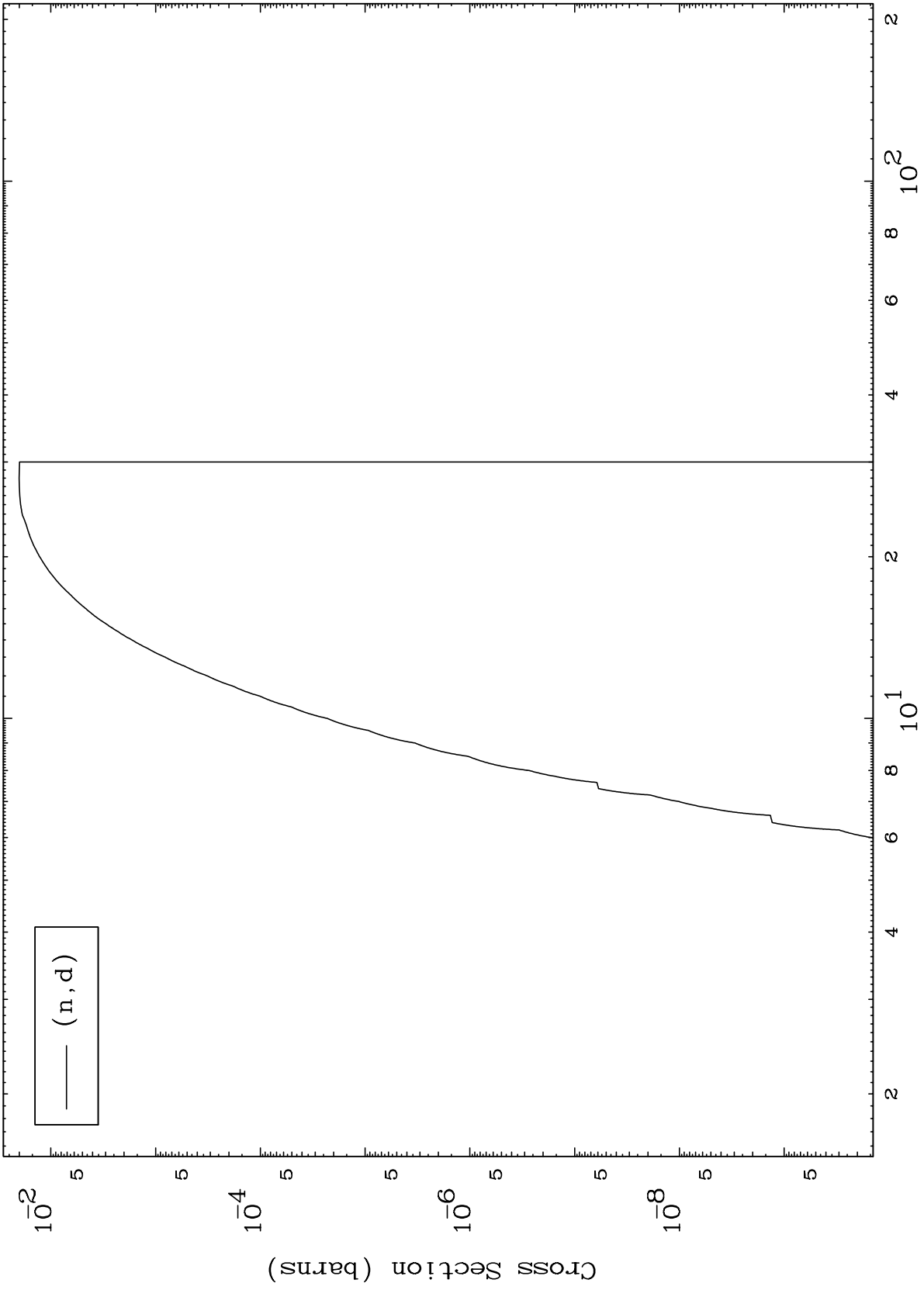
Incident Energy (MeV)

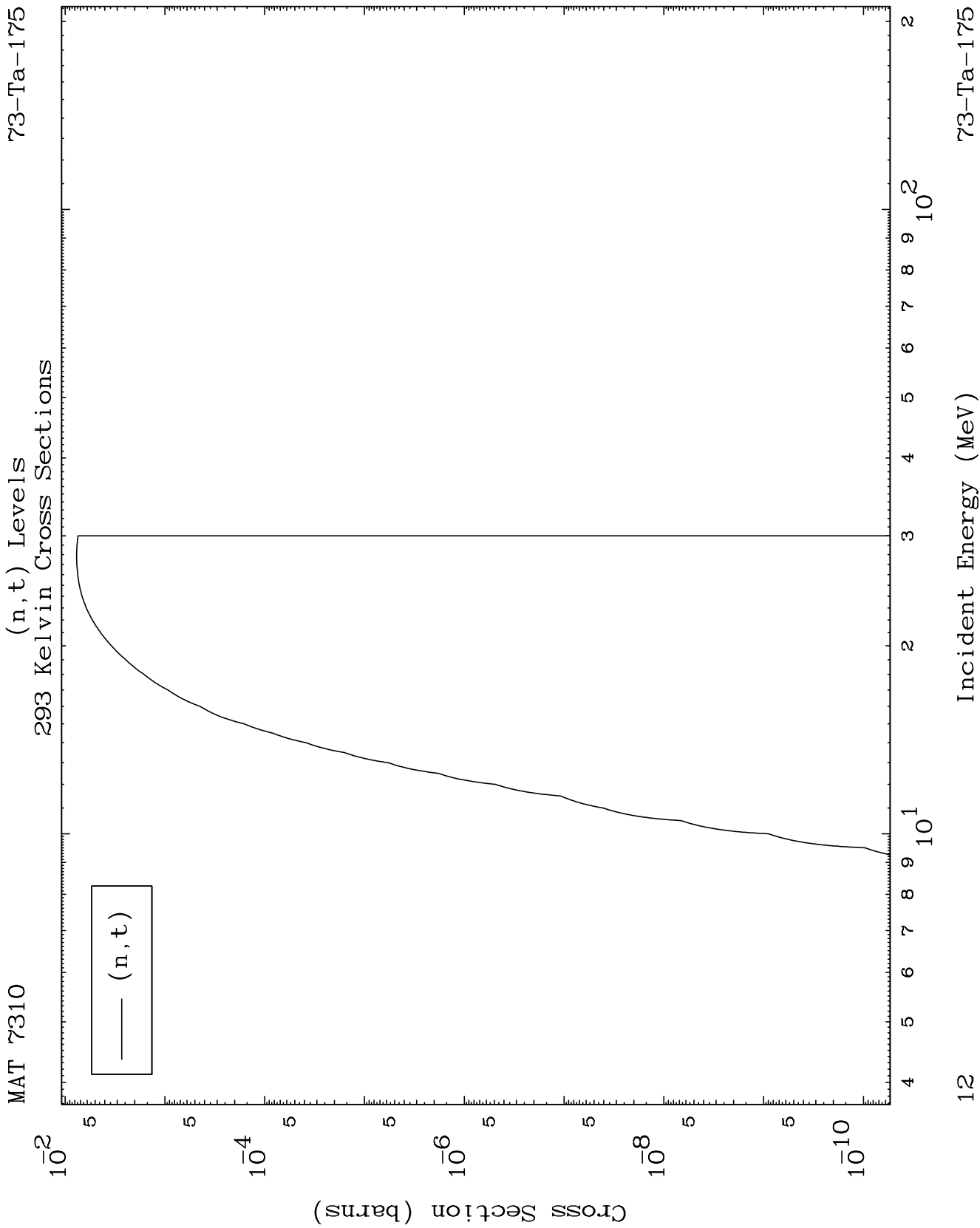
73-Ta-175

MAT 7310

(n,d) Levels  
293 Kelvin Cross Sections

73-Ta-175

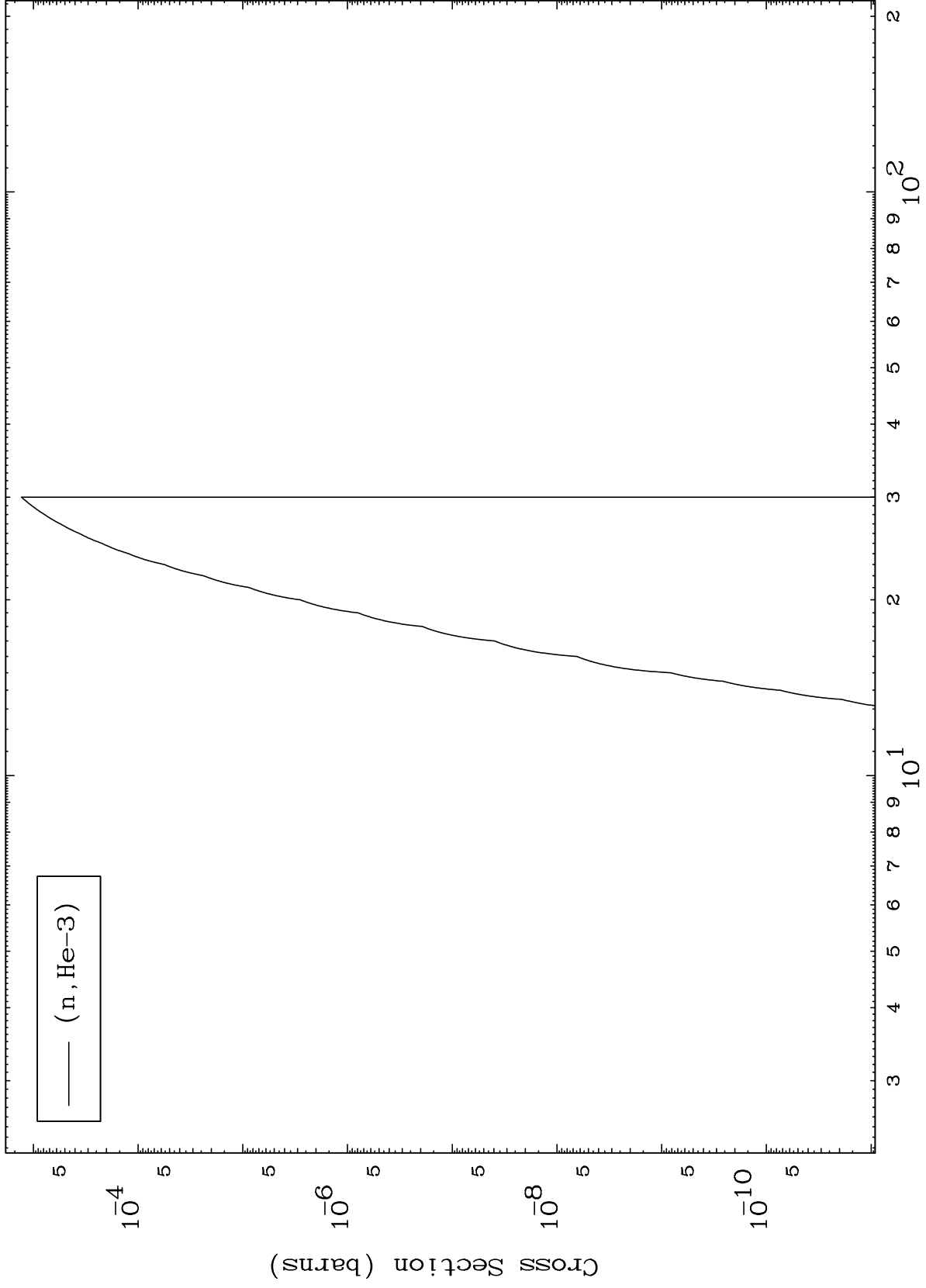




MAT 7310

(n,He3) Levels  
293 Kelvin Cross Sections

73-Ta-175



13

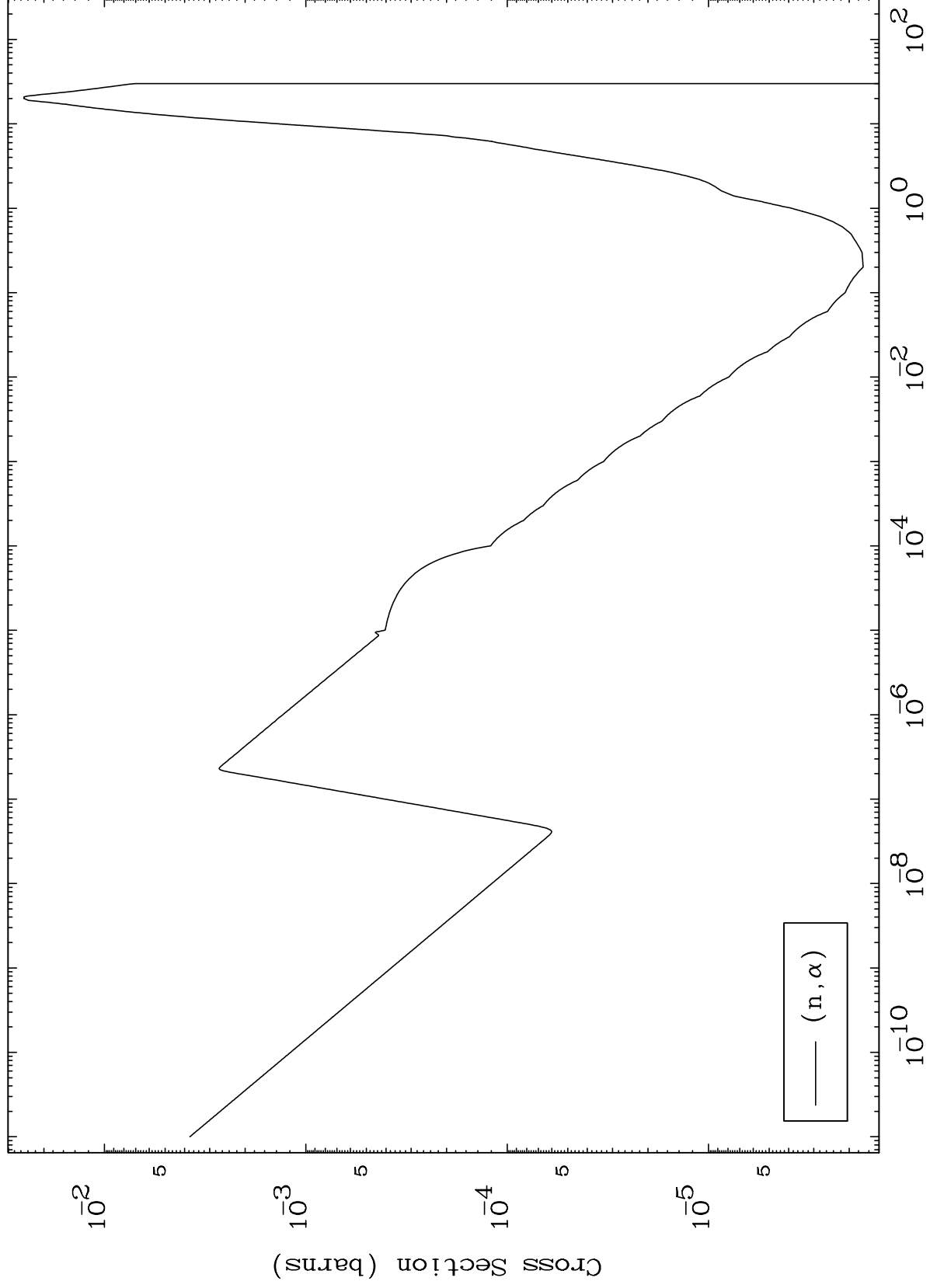
Incident Energy (MeV)

73-Ta-175

MAT 7310

(n,α) Levels  
293 Kelvin Cross Sections

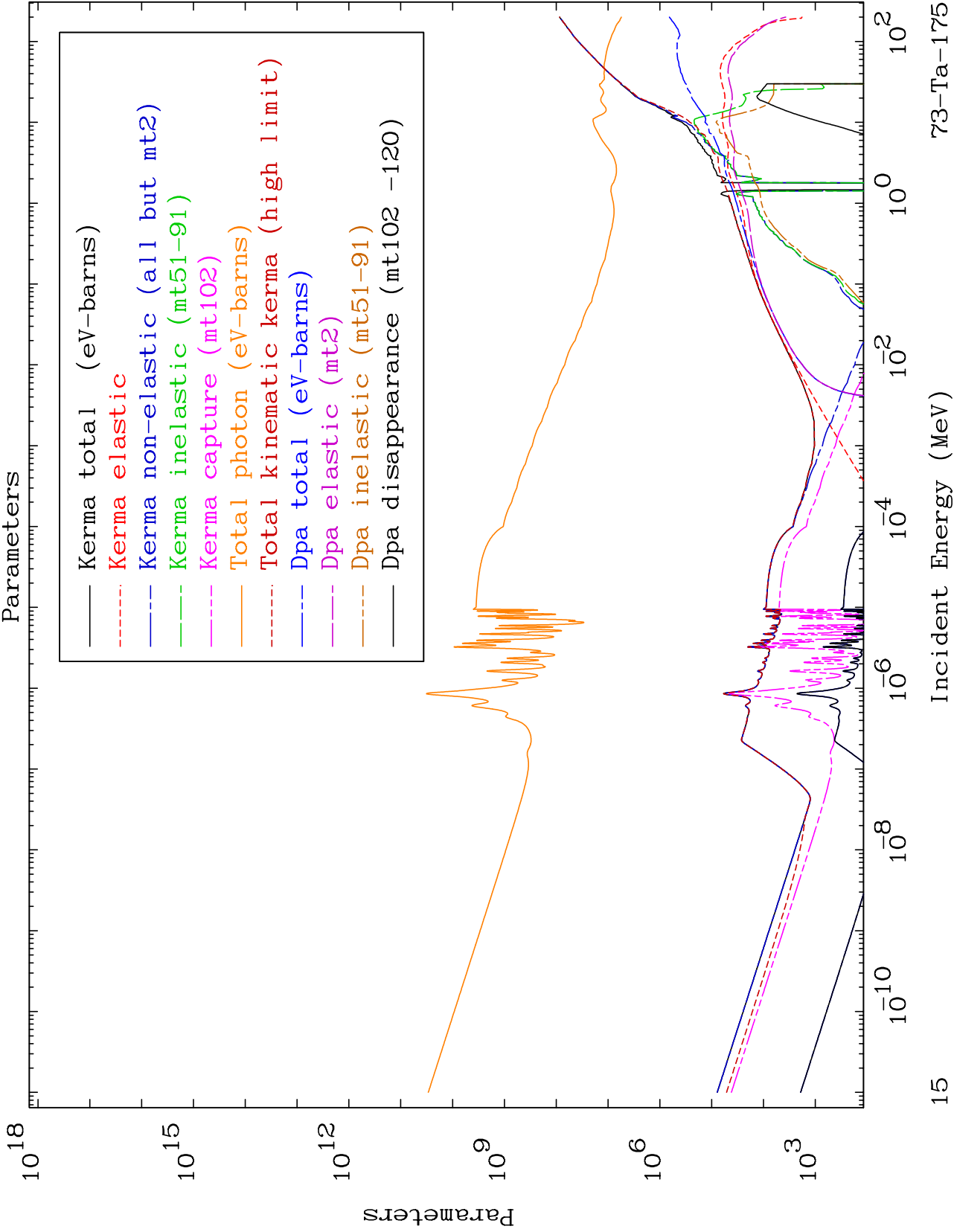
73-Ta-175



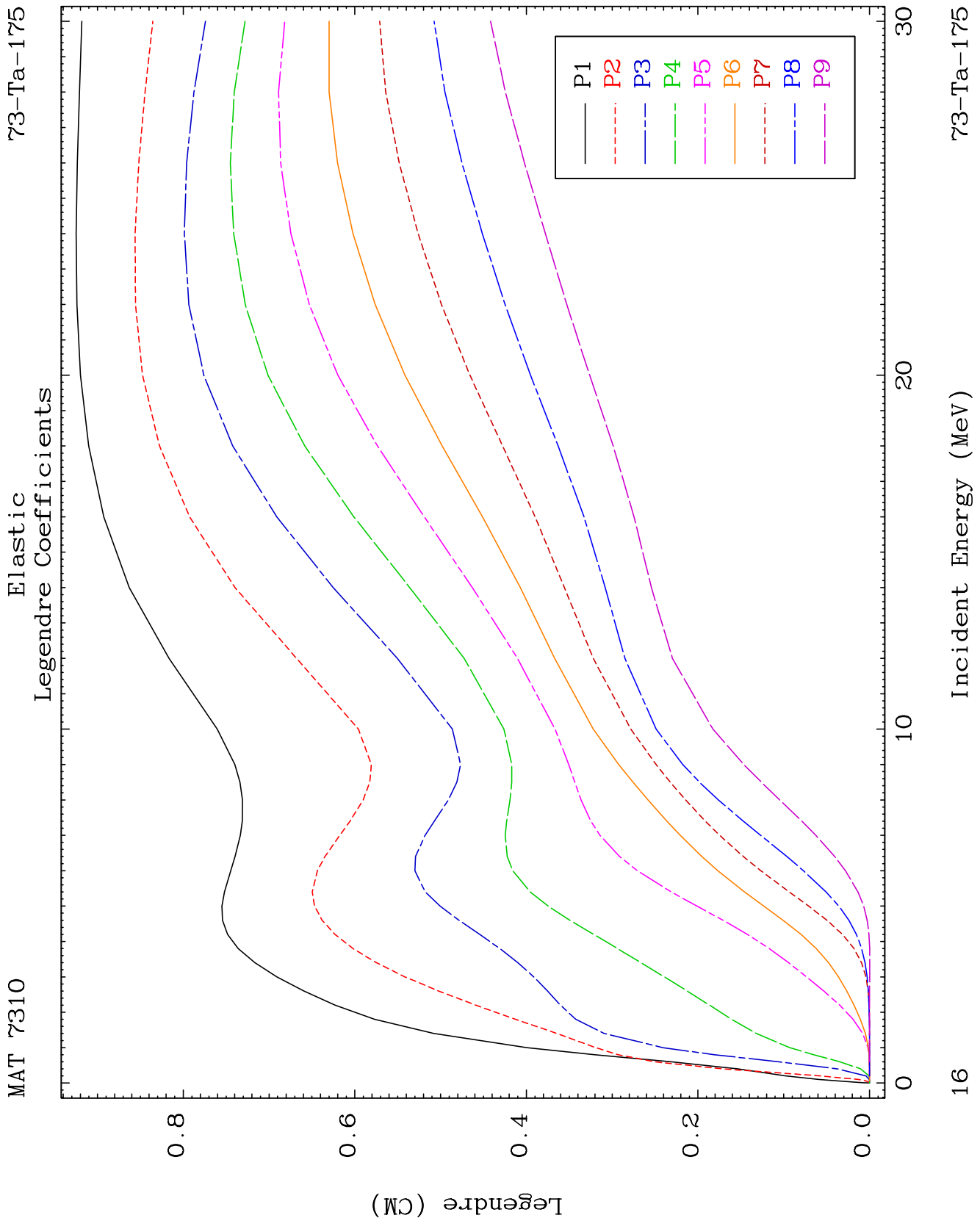
14

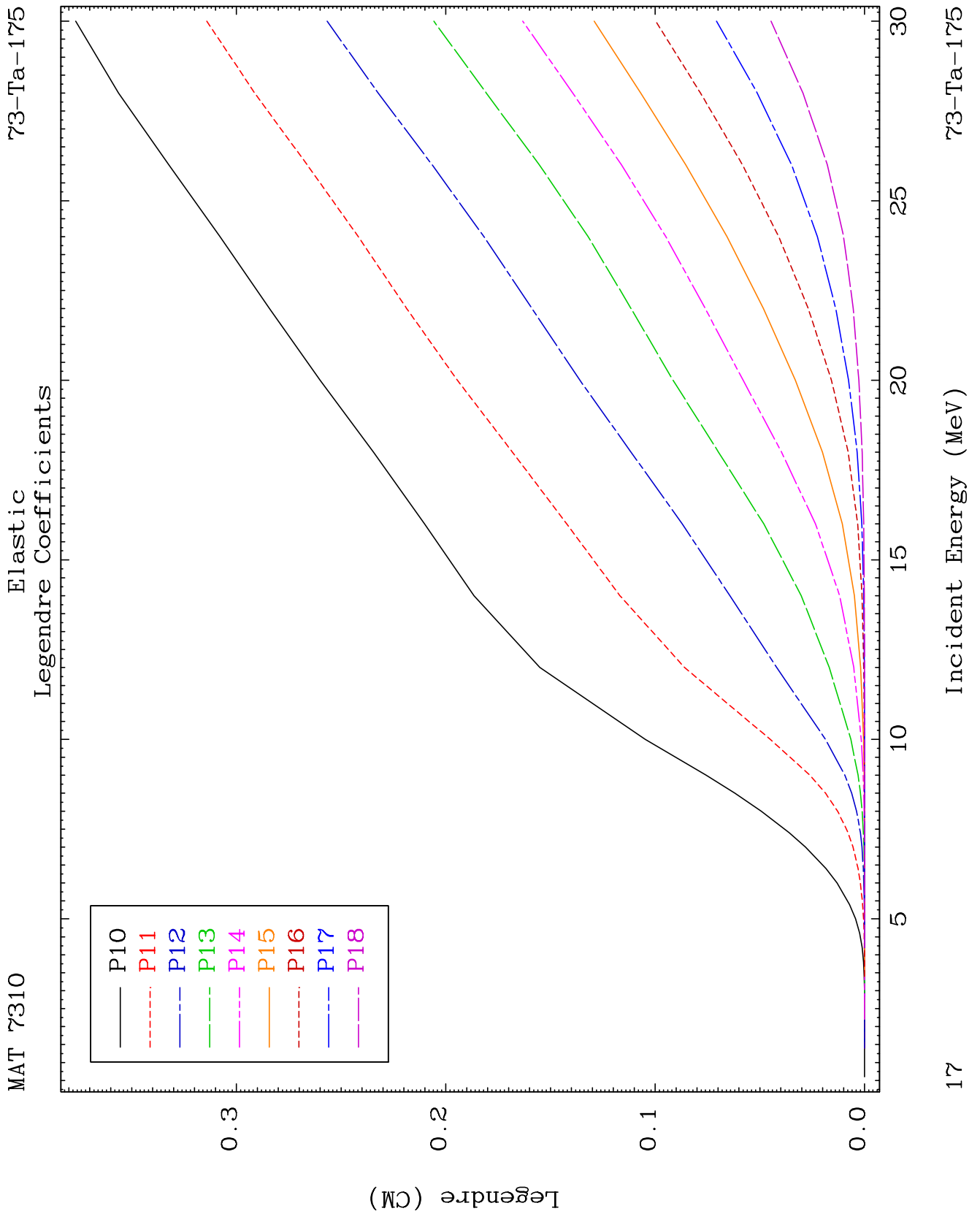
Incident Energy (MeV)

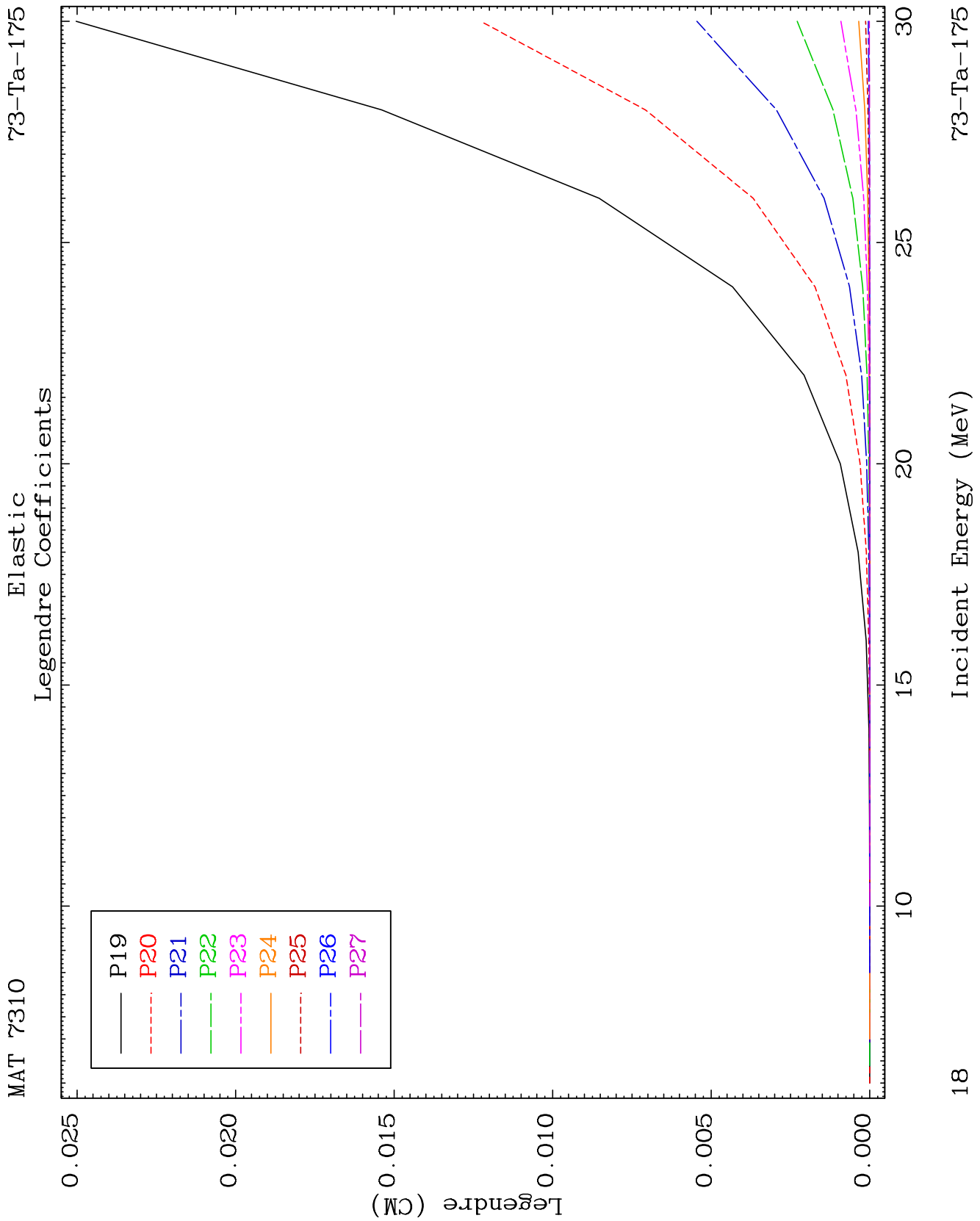
73-Ta-175







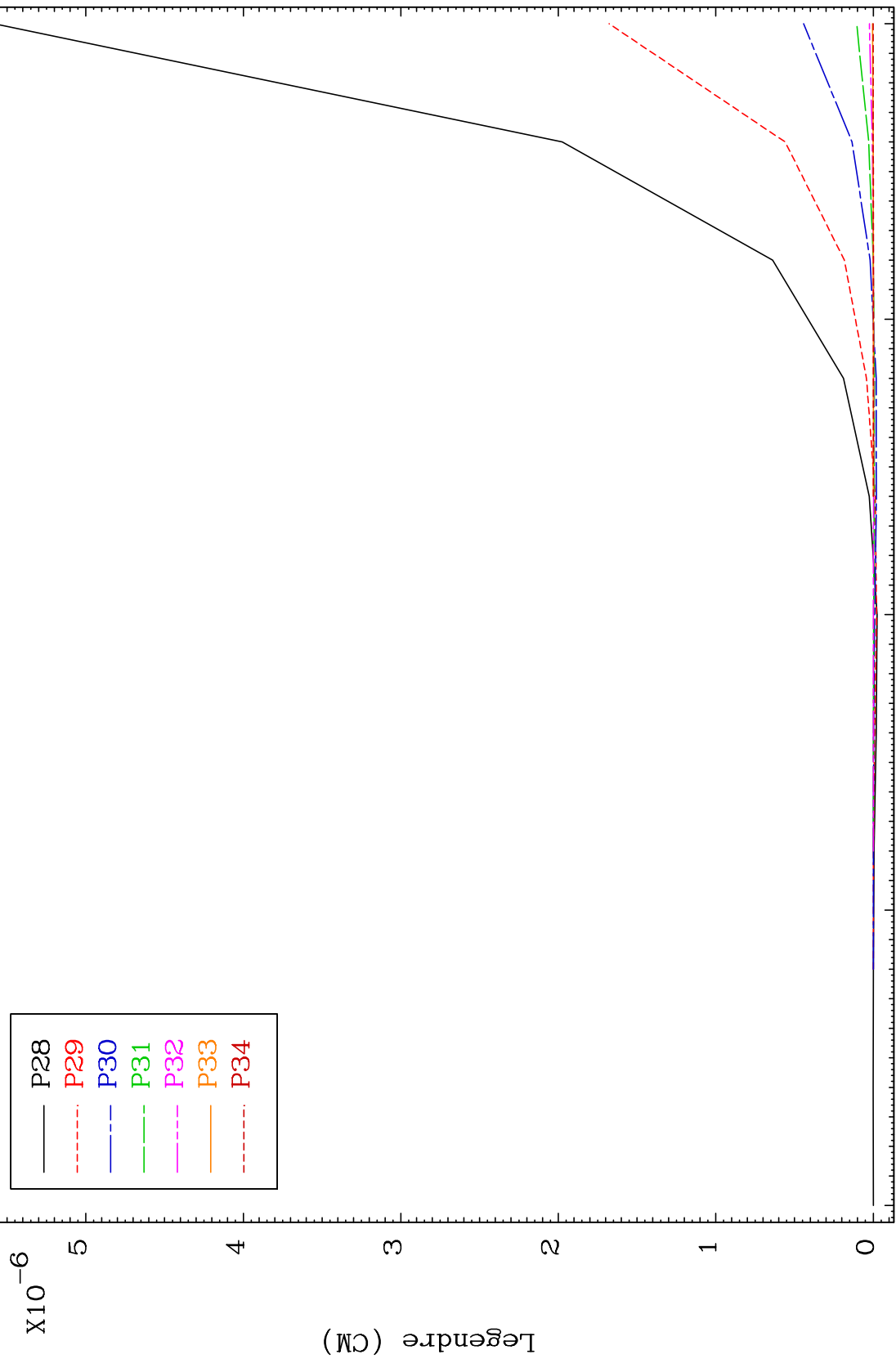
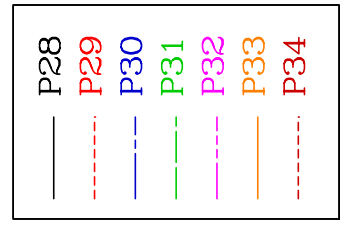




MAT 7310

Elastic Legendre Coefficients

73-Ta-175



10

15

20

25

30

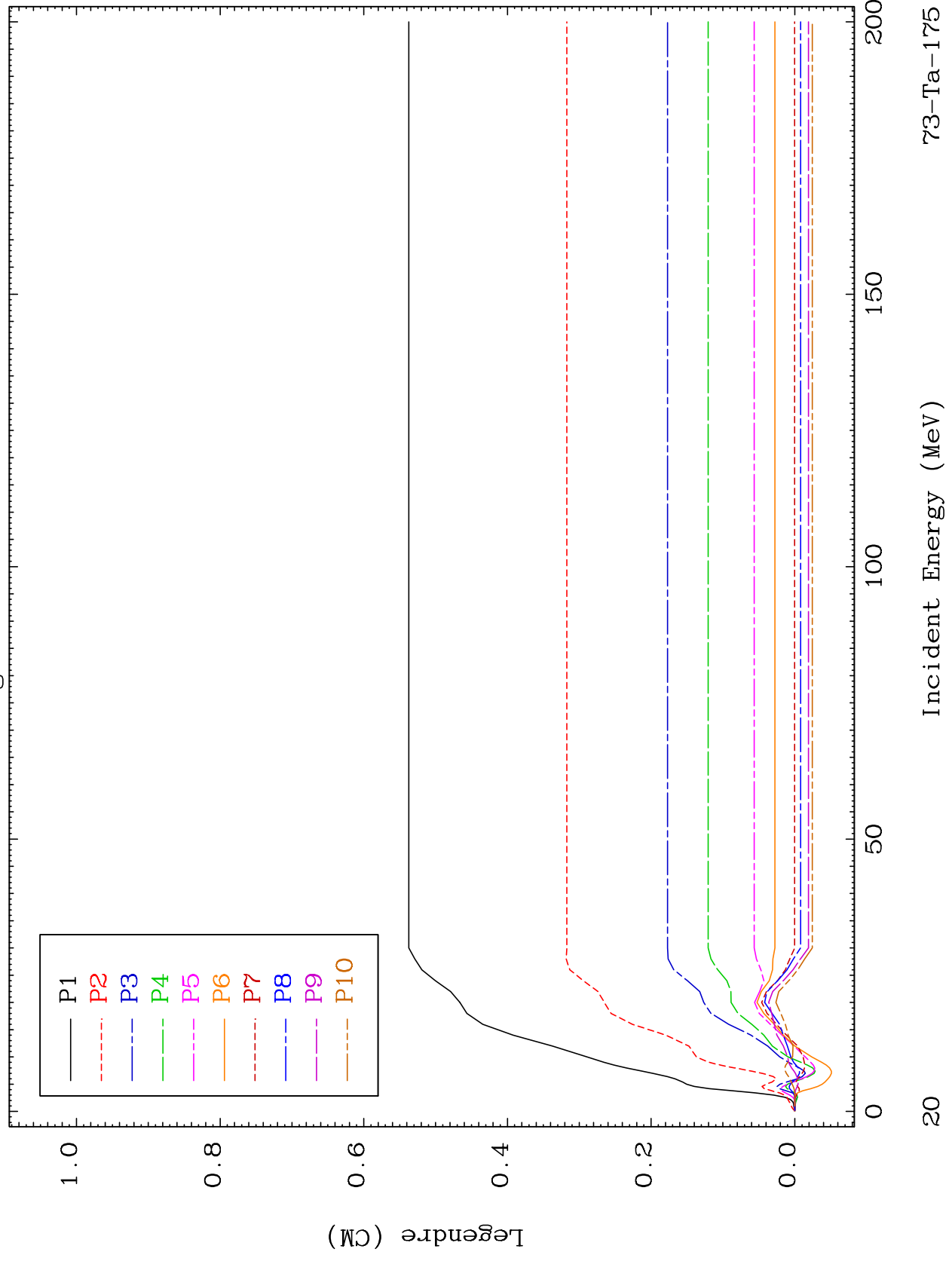
Incident Energy (MeV)

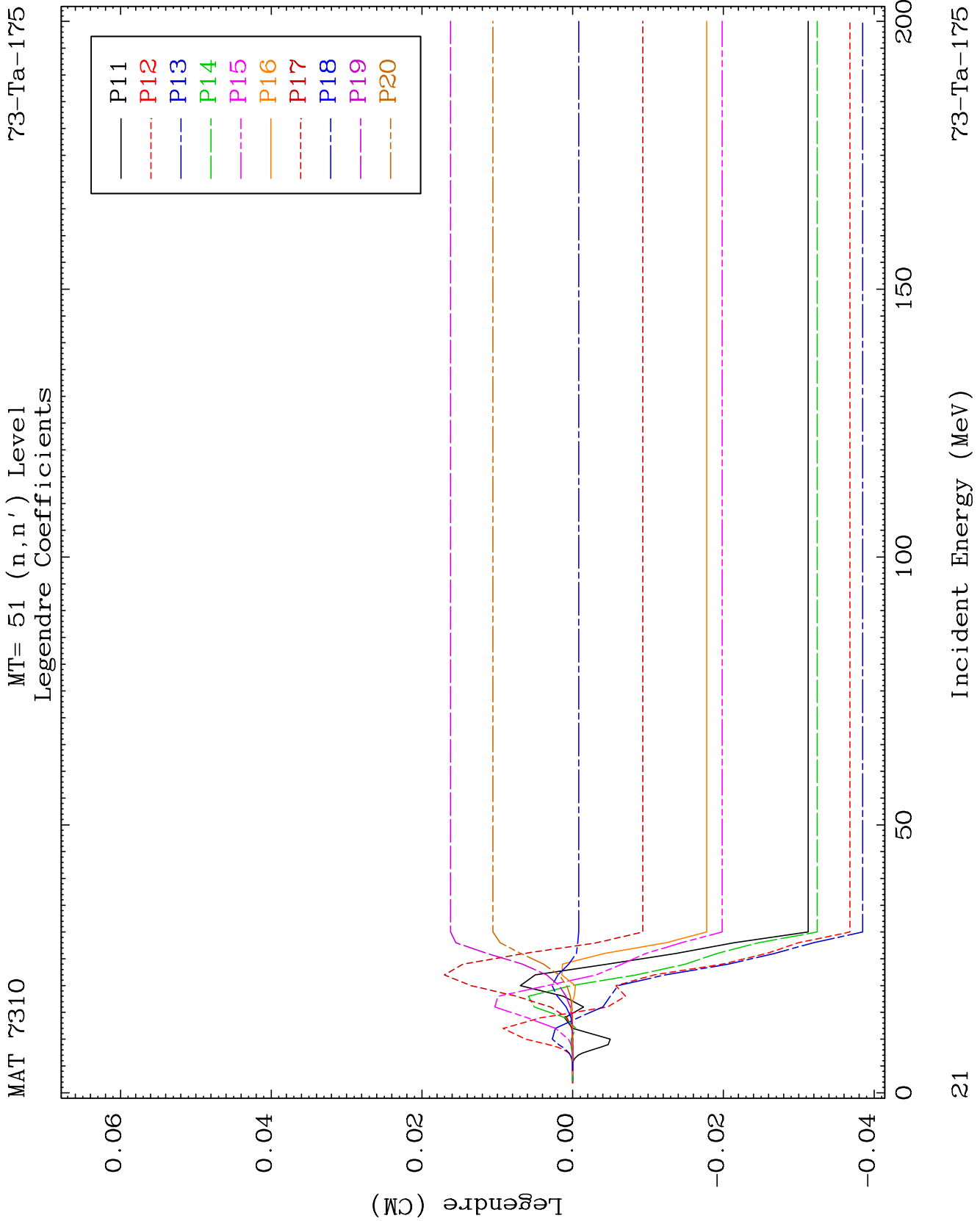
73-Ta-175

MAT 7310

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

73-Ta-175

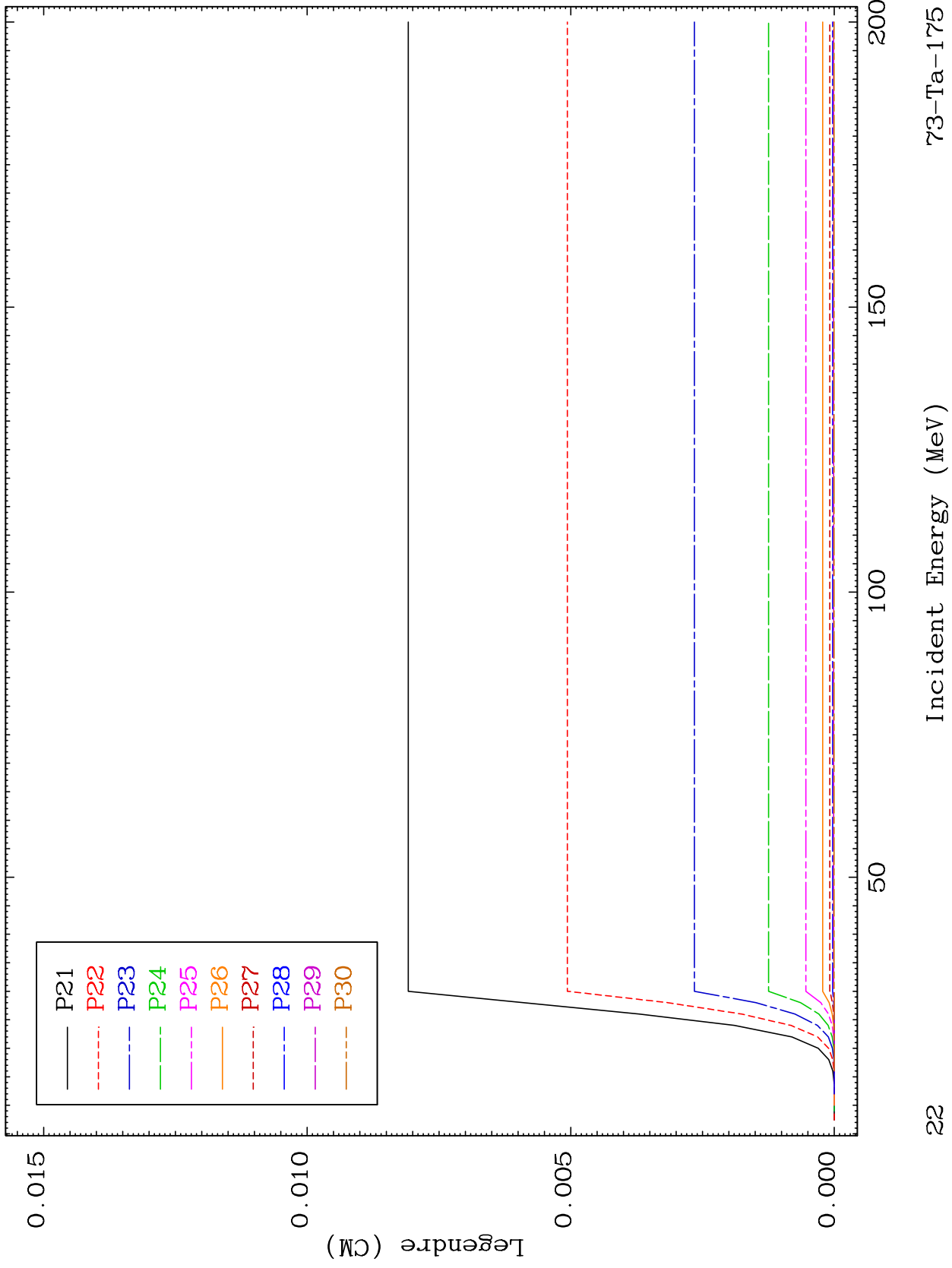


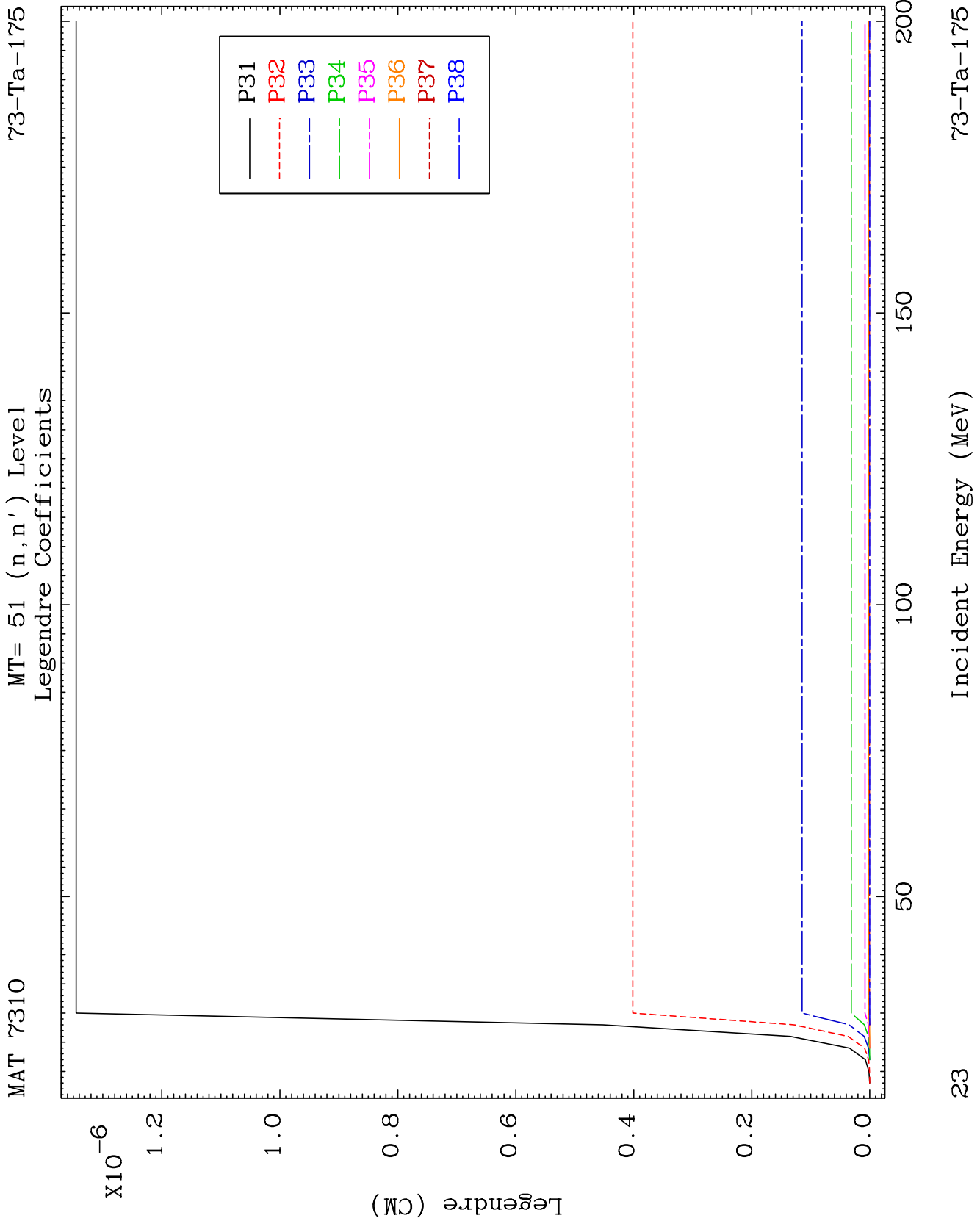


MAT 7310

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

73-Ta-175



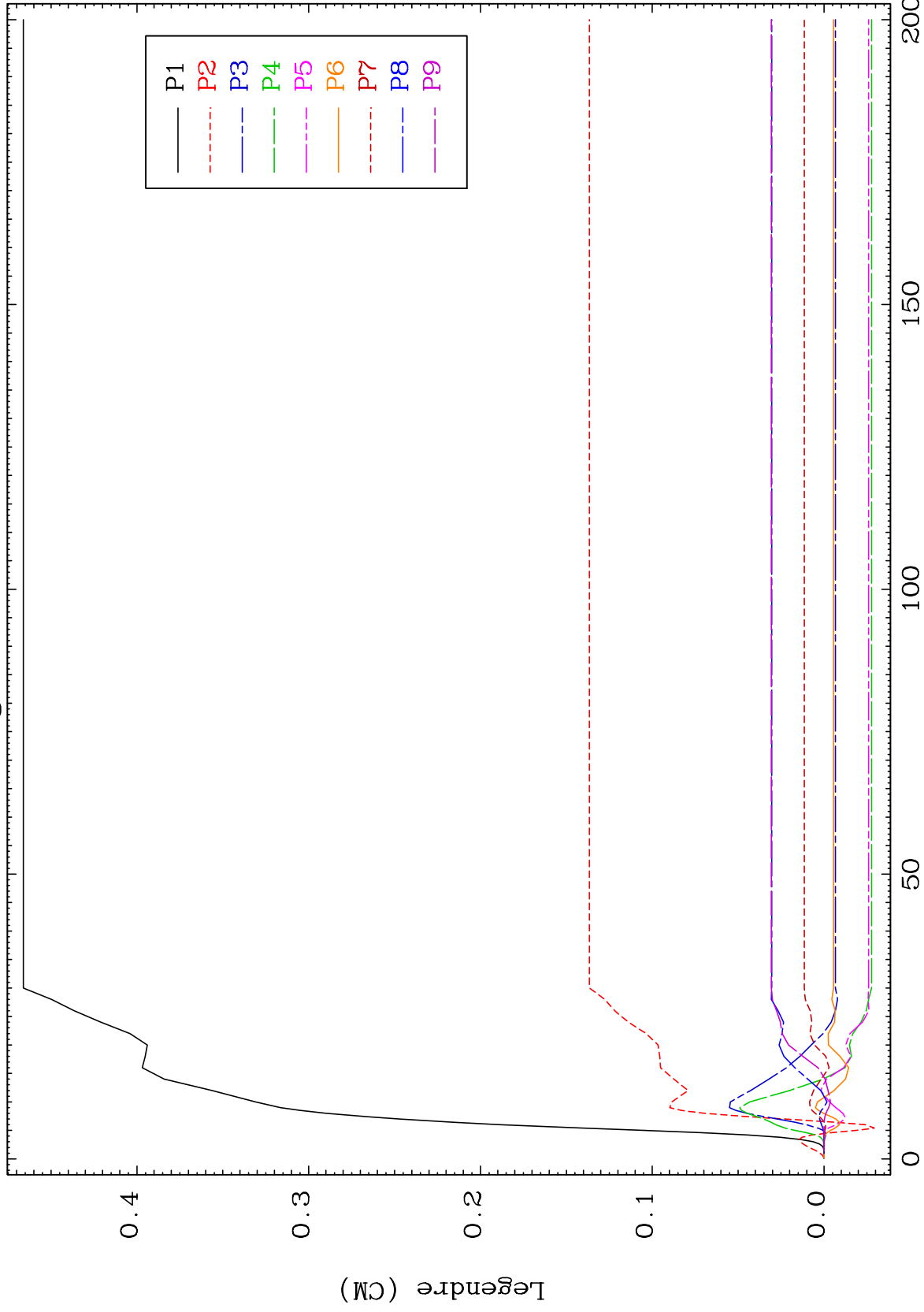




MAT 7310

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

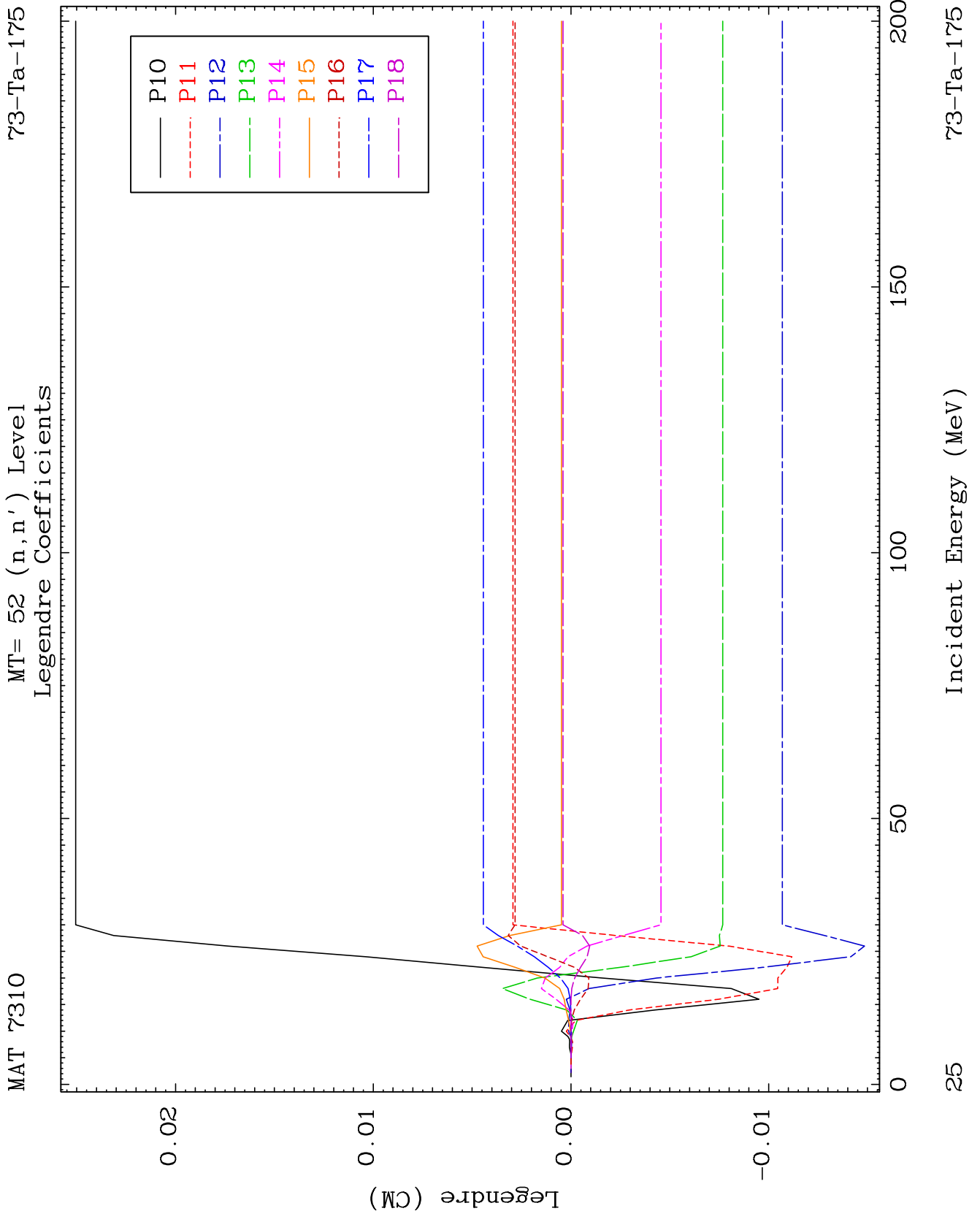
73-Ta-175



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Incident Energy (MeV)

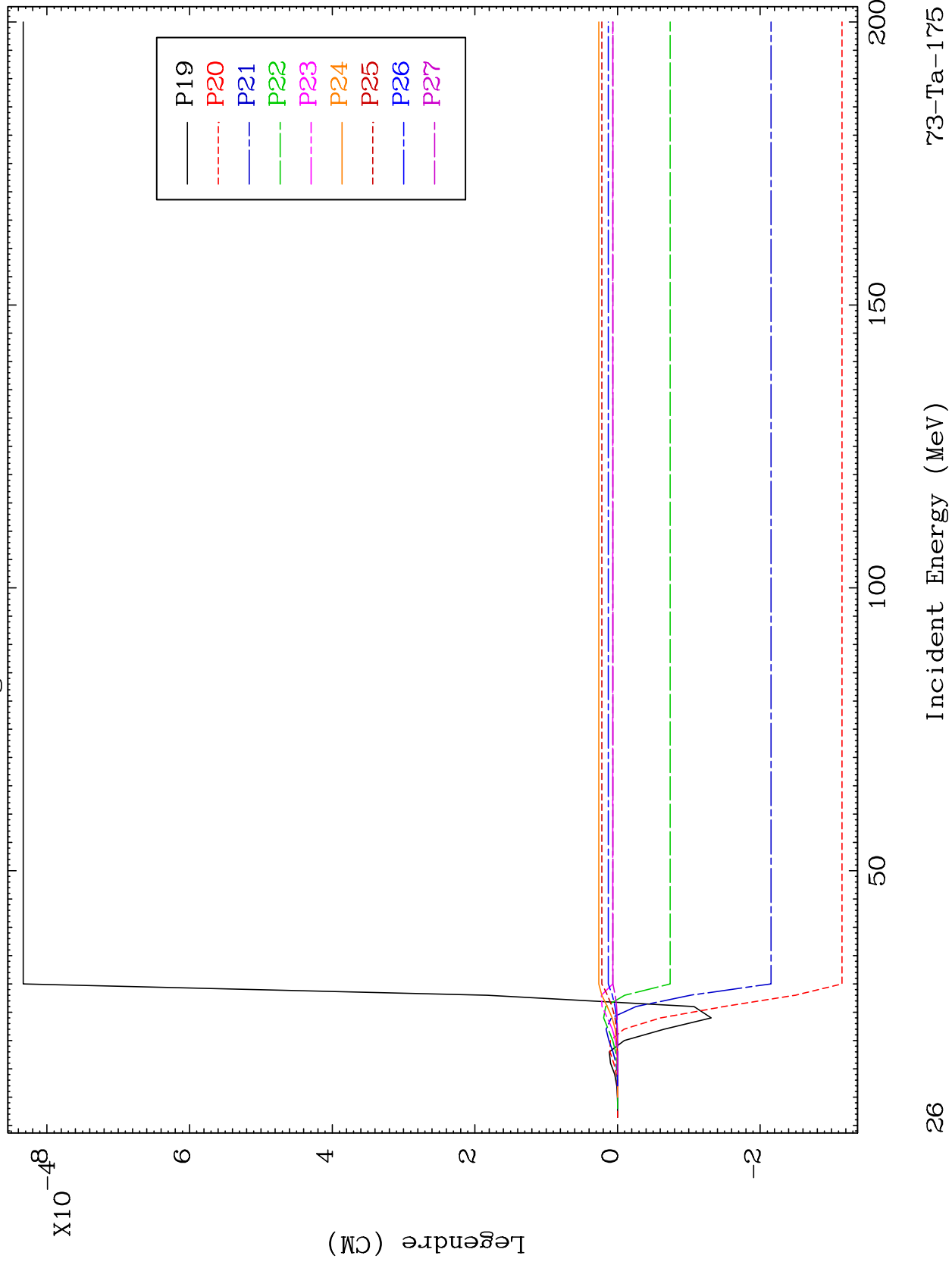
73-Ta-175

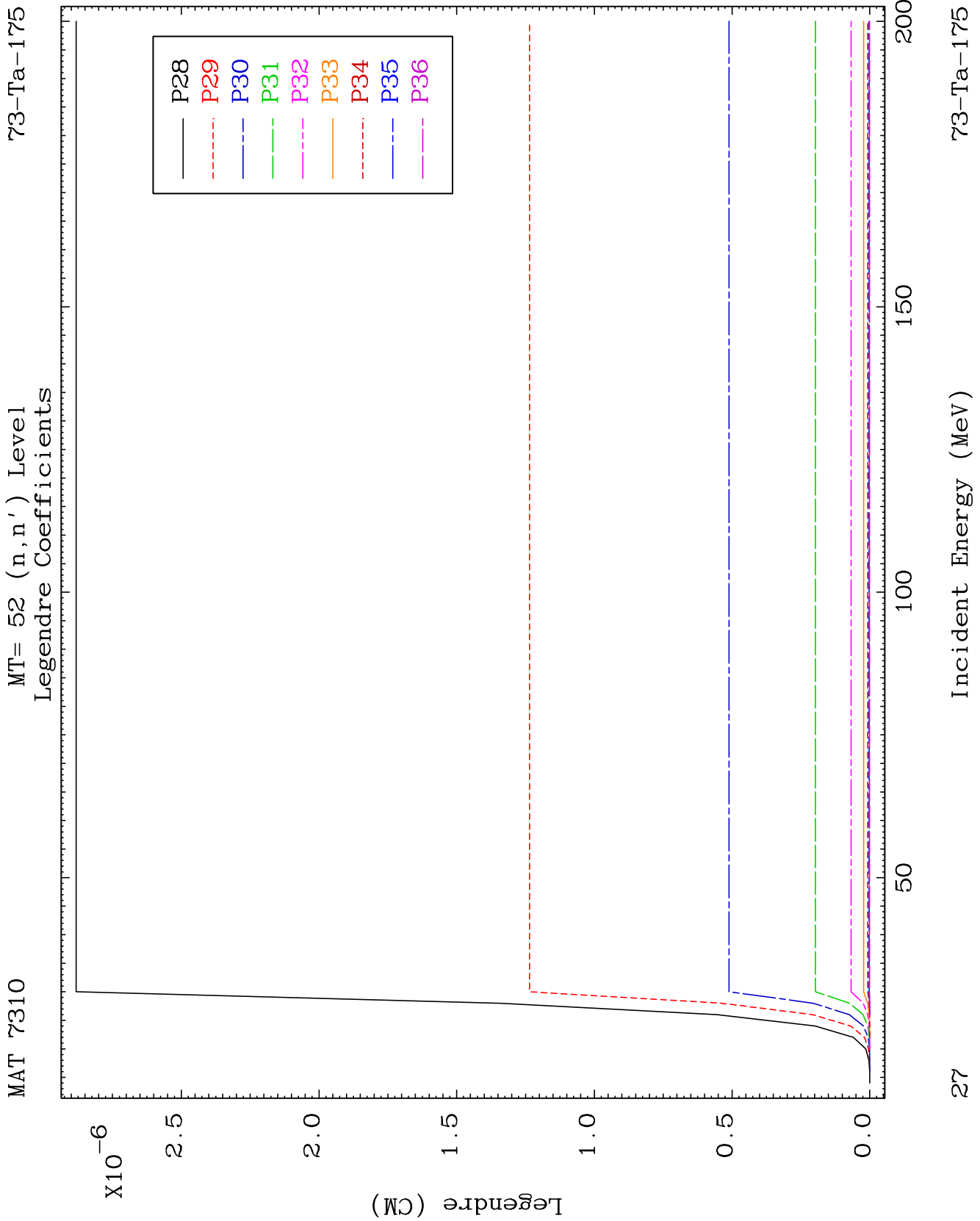


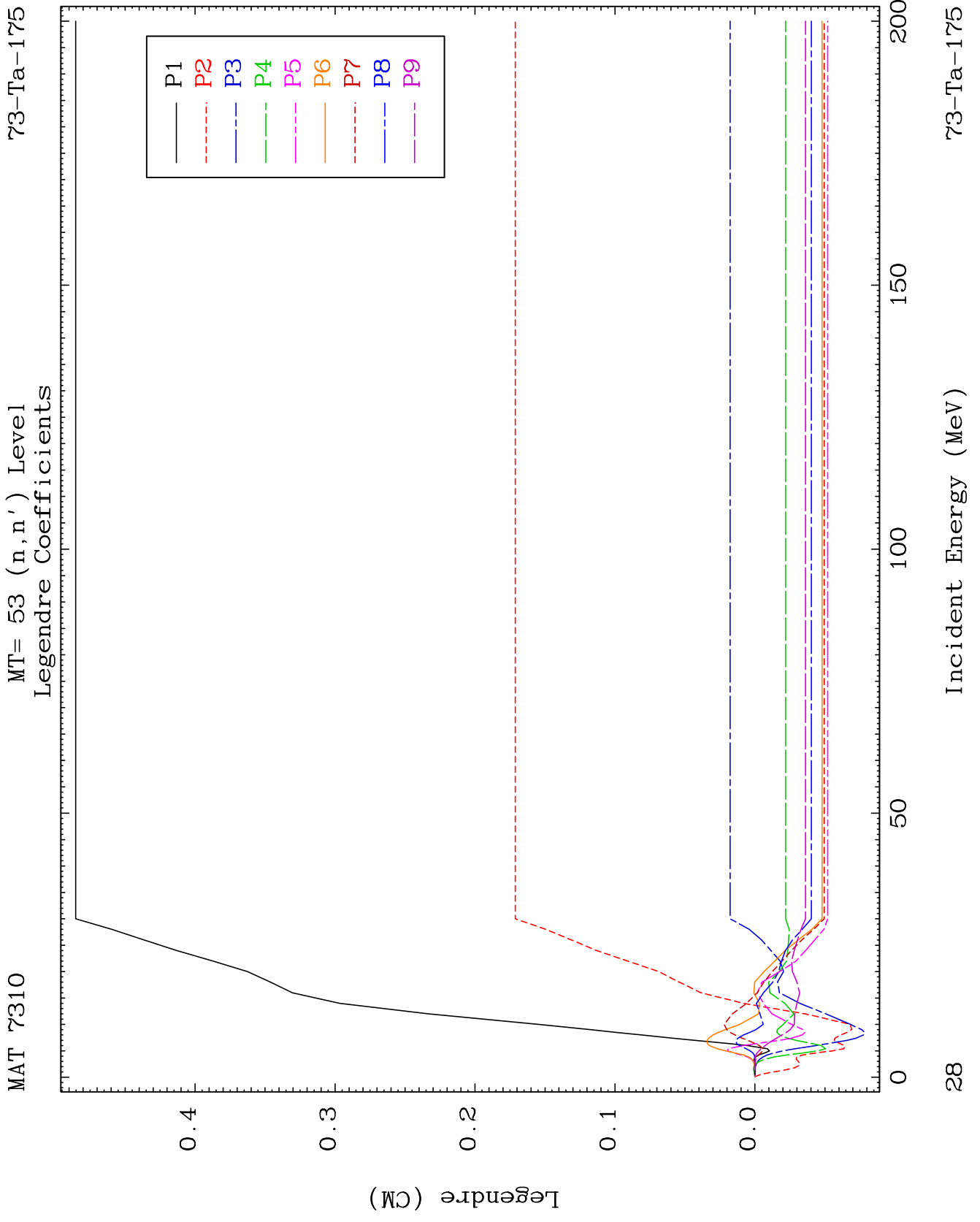
MAT 7310

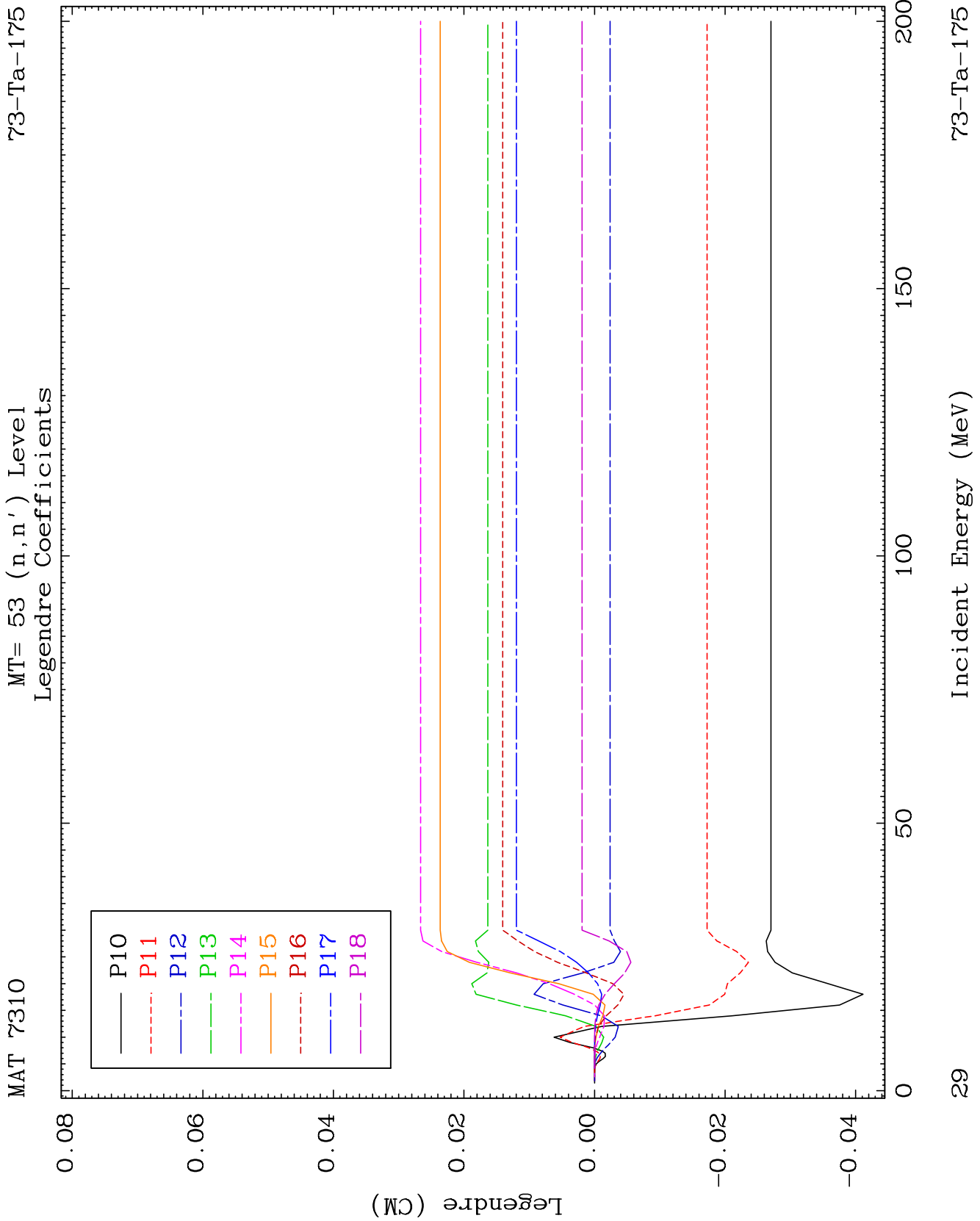
MT= 52 (n,n') Level  
Legendre Coefficients

73-Ta-175





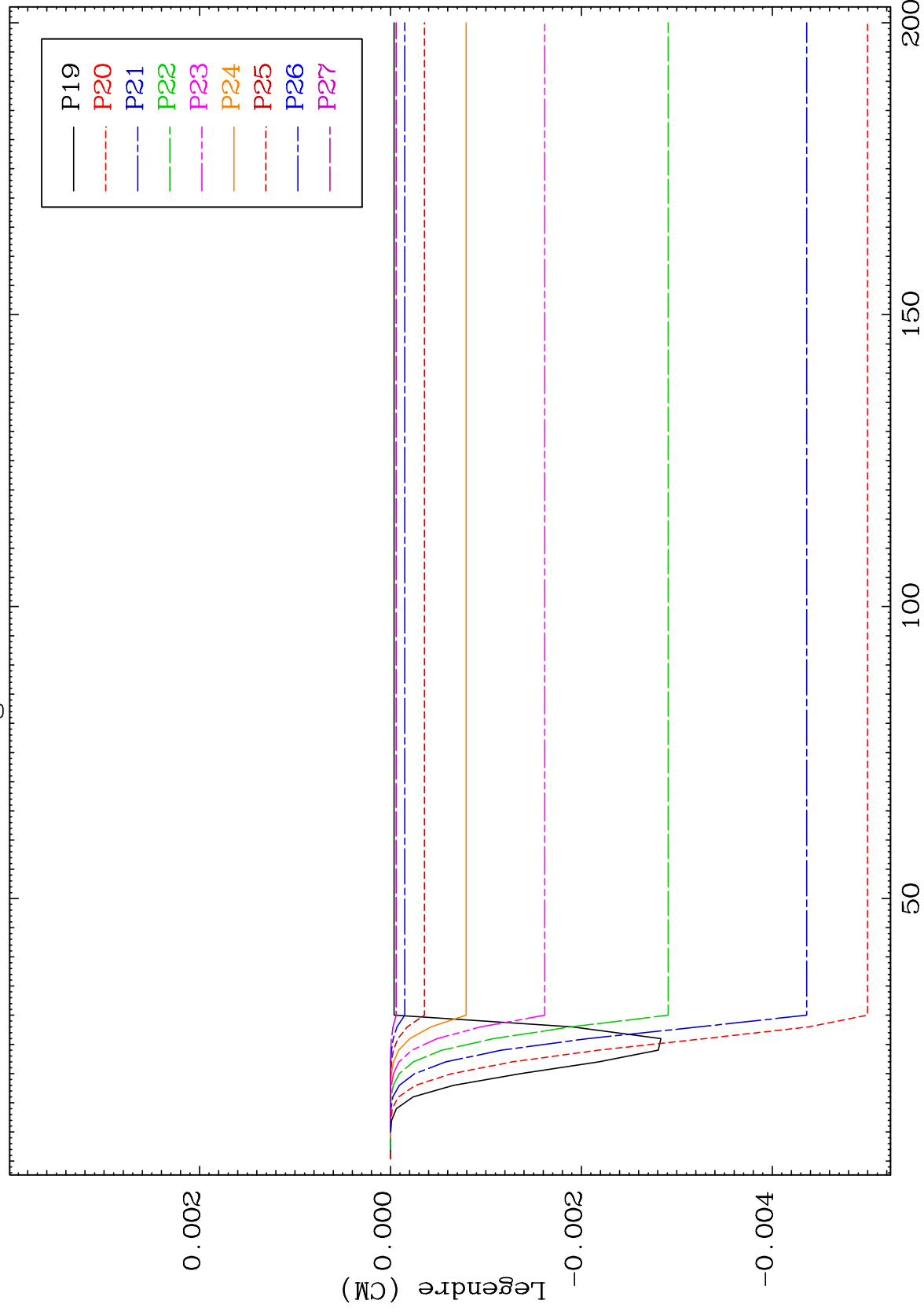




MAT 7310

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

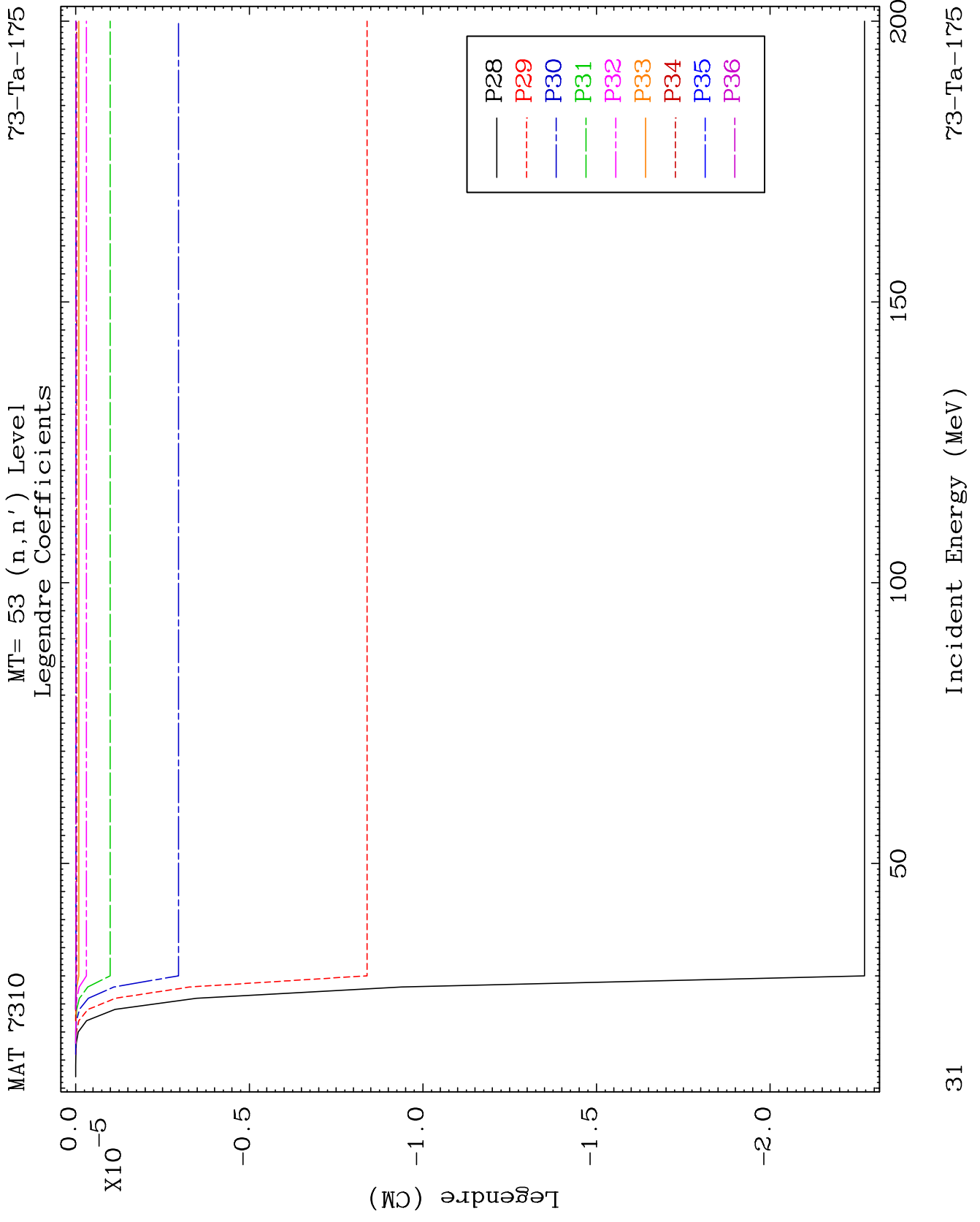
73-Ta-175



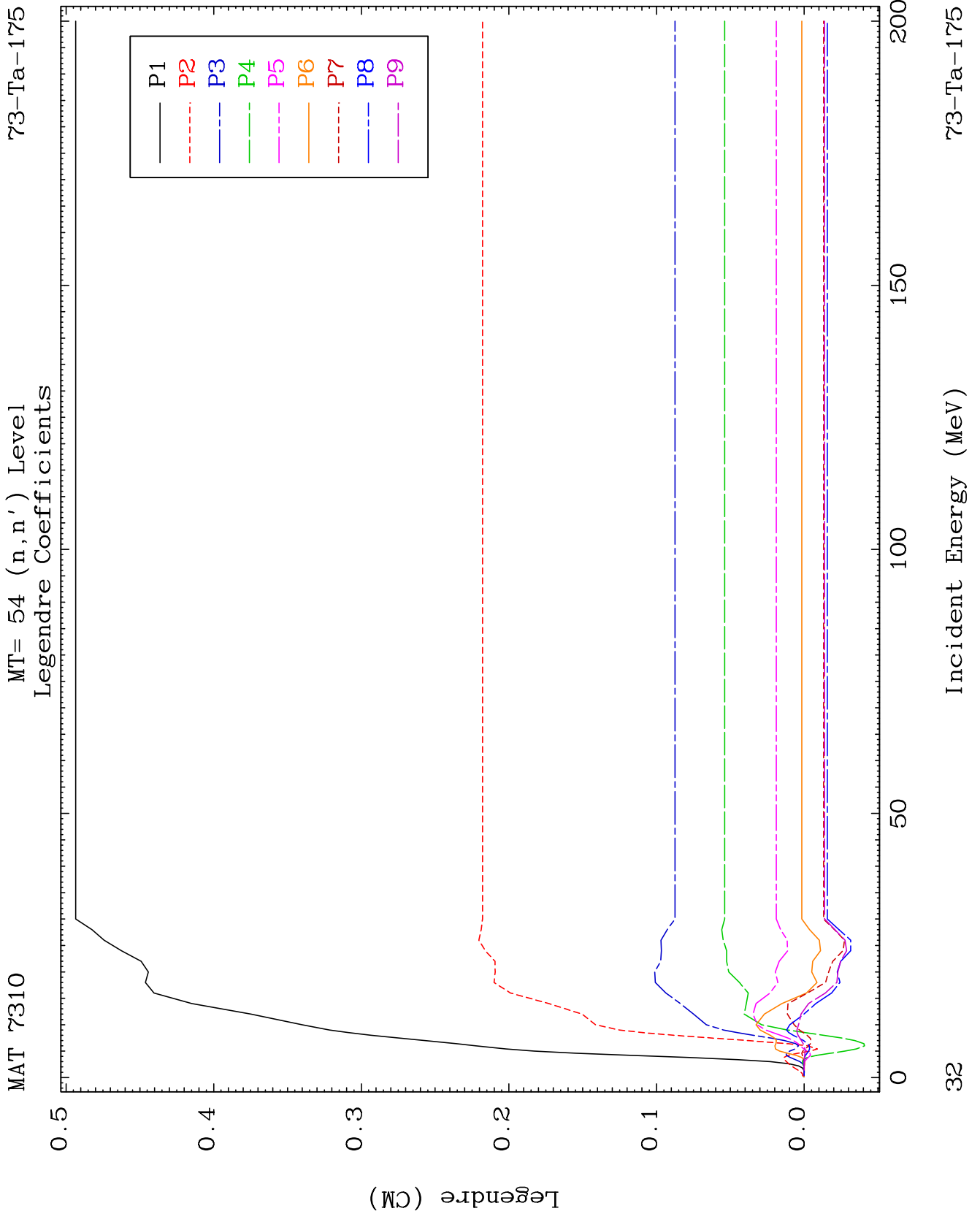
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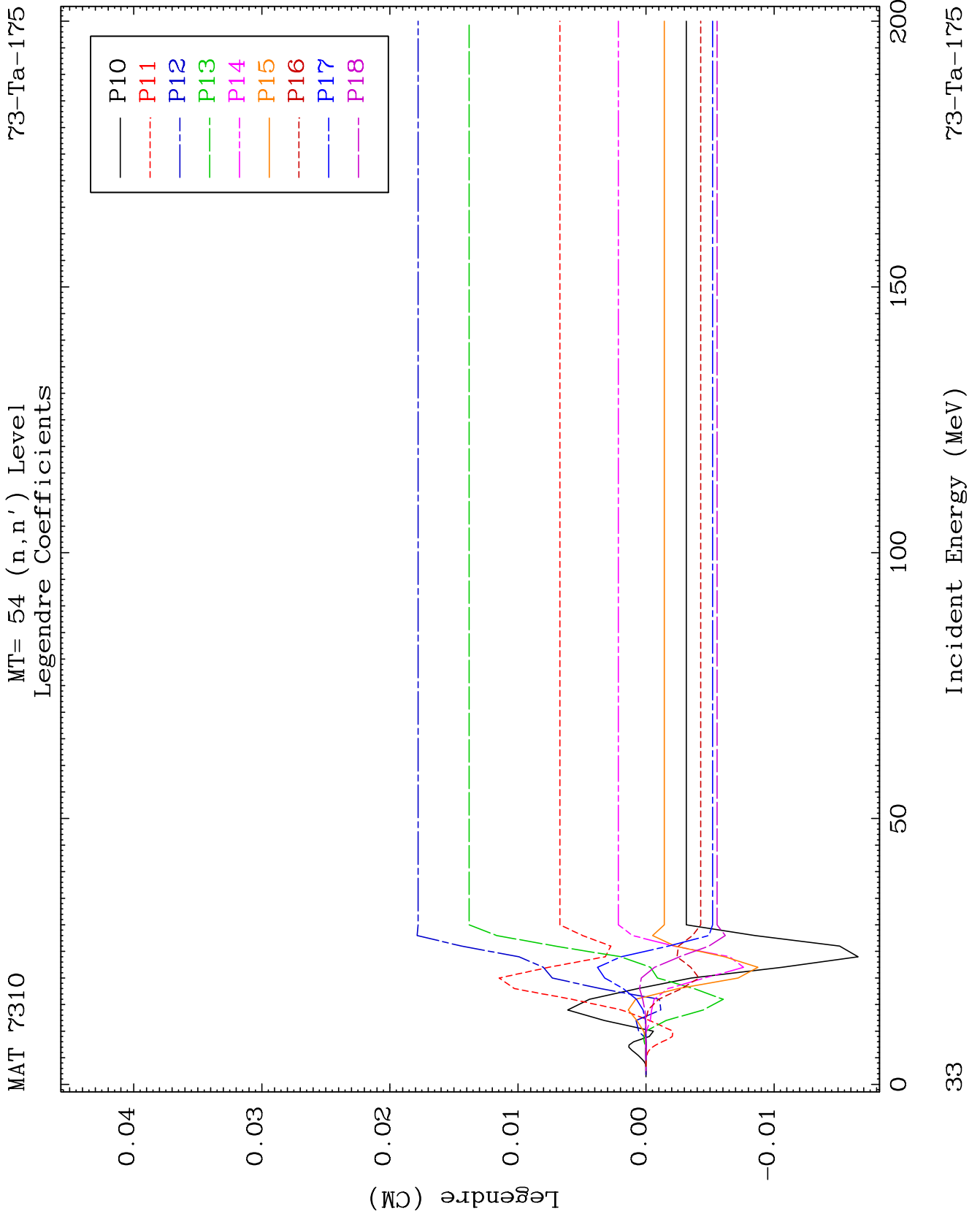
Incident Energy (MeV)

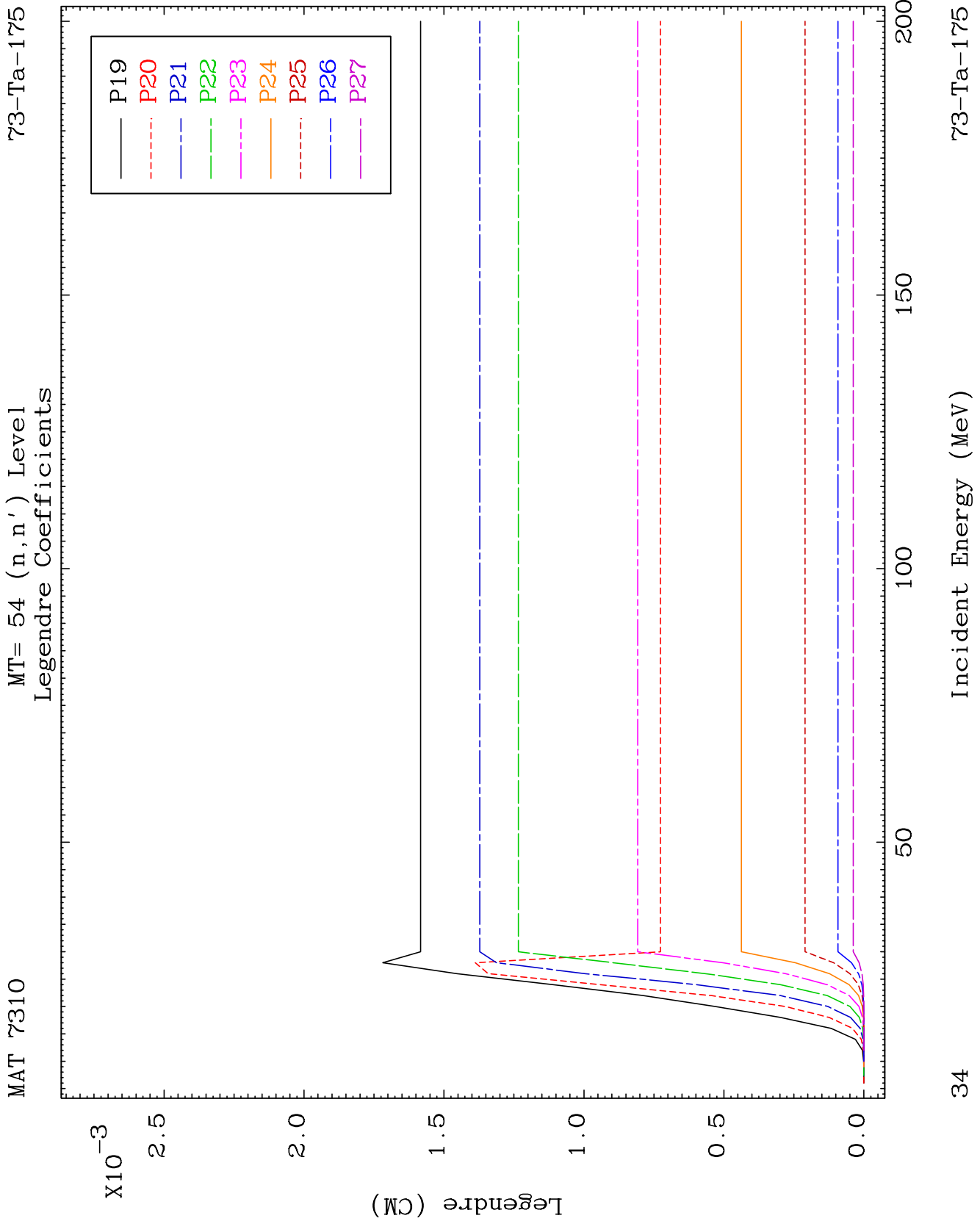
73-Ta-175









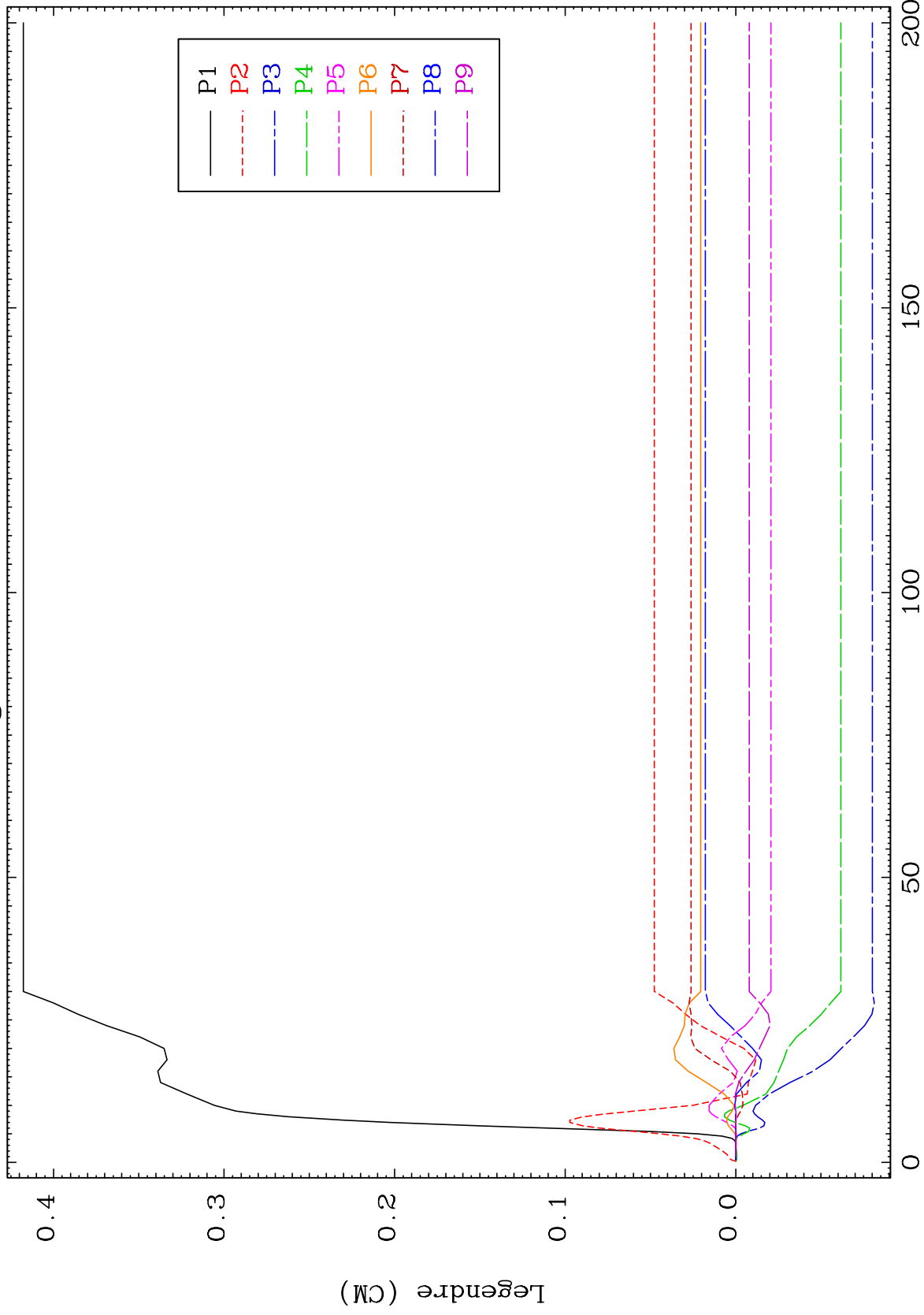




MAT 7310

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

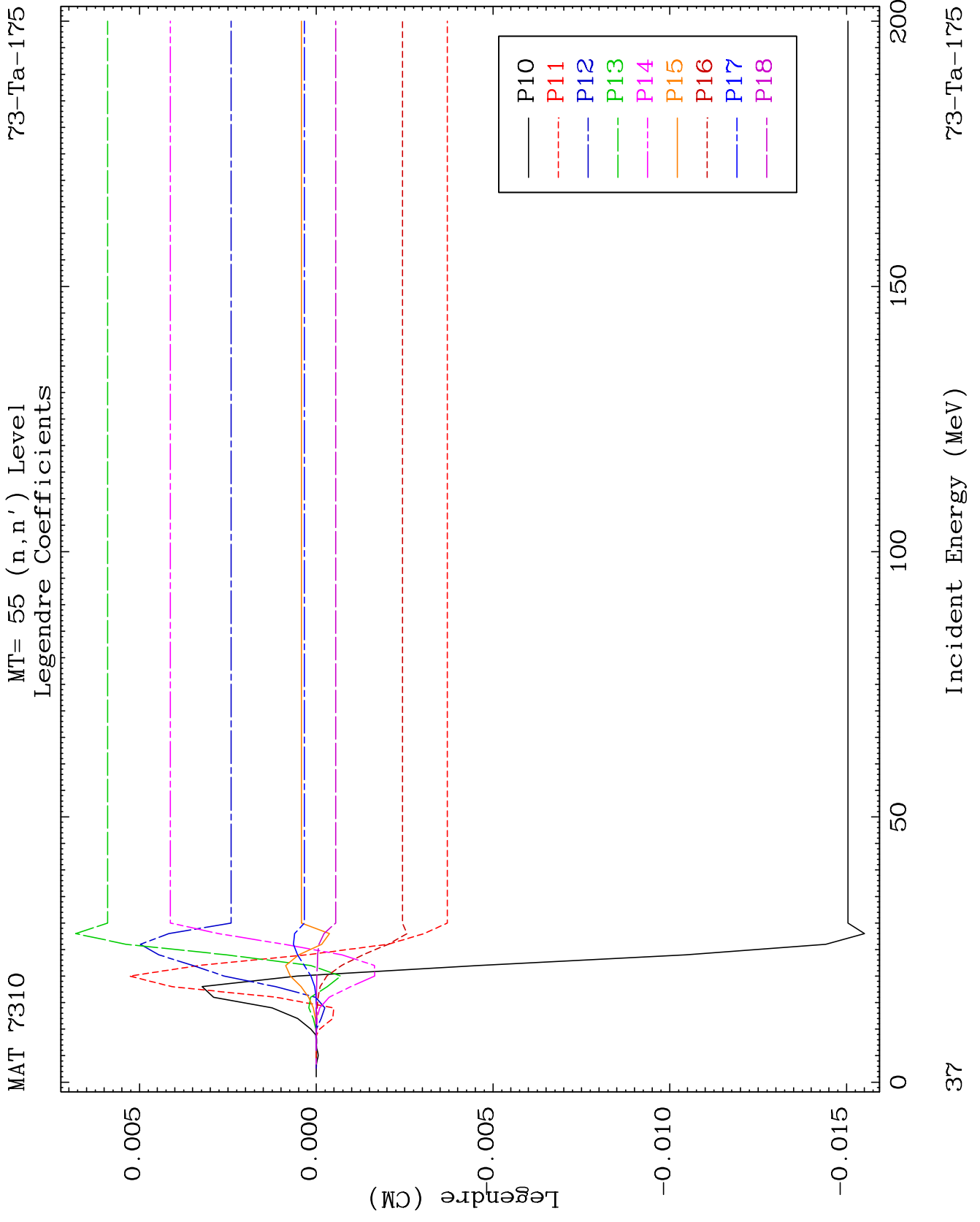
73-Ta-175

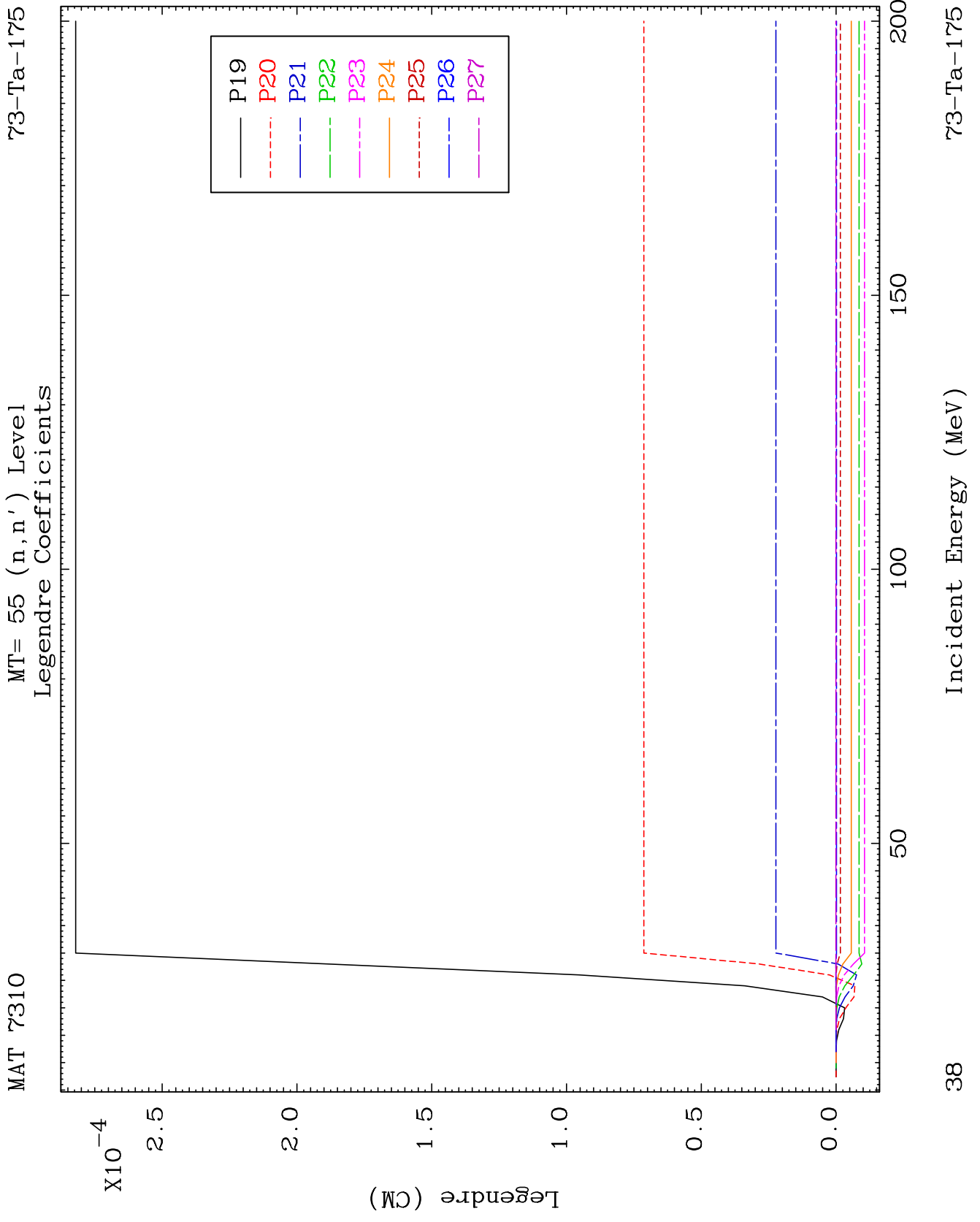


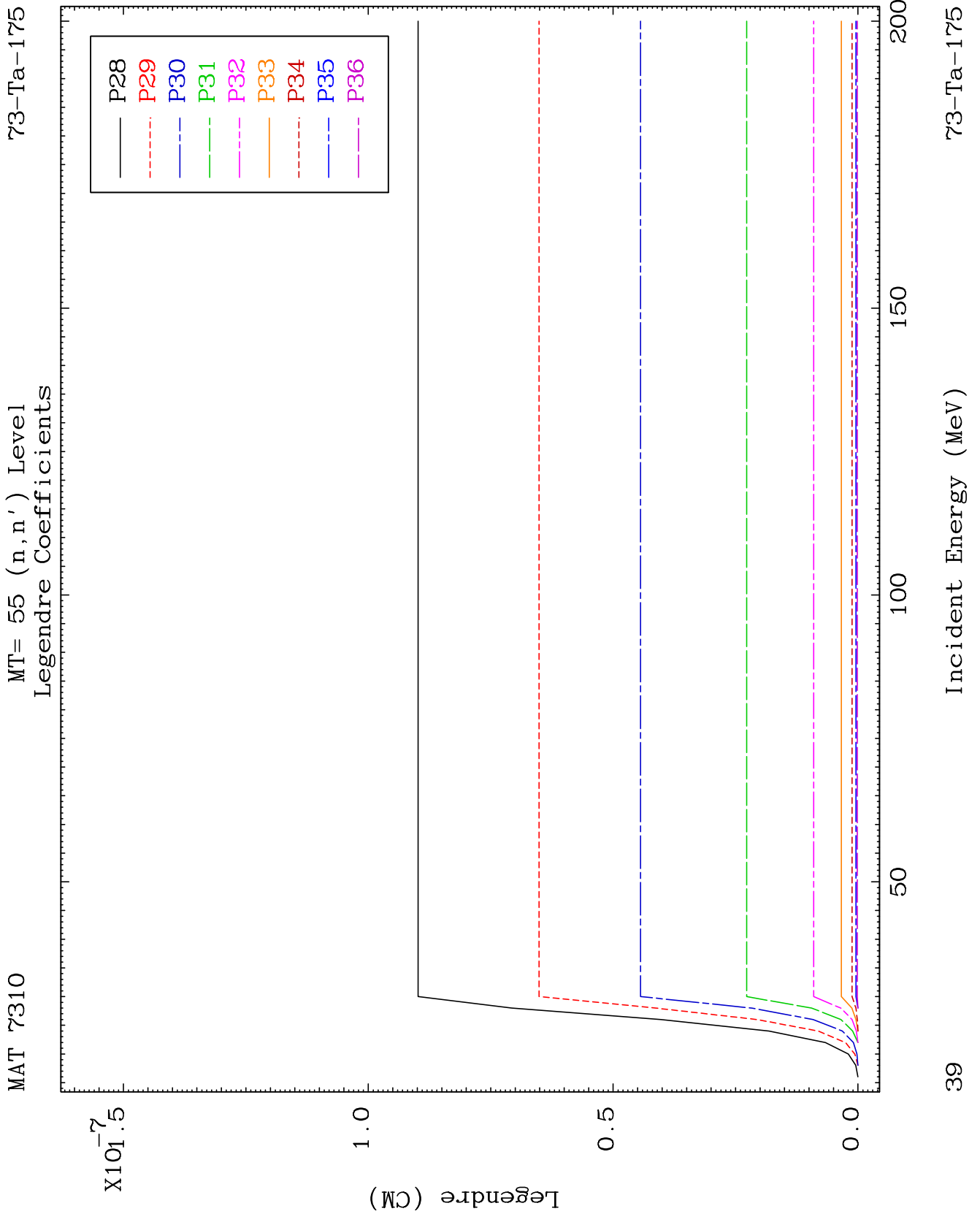
36

Incident Energy (MeV)

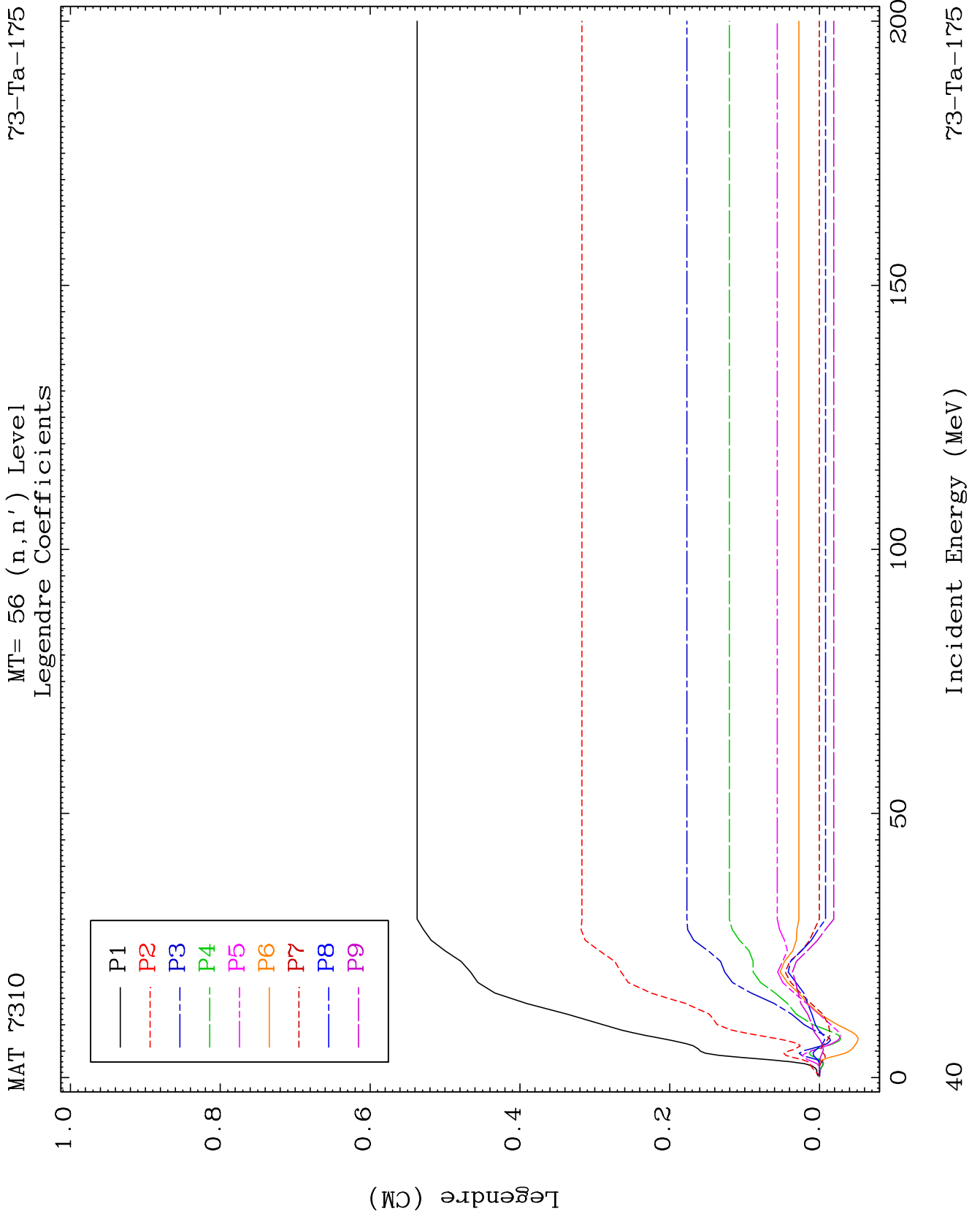
73-Ta-175

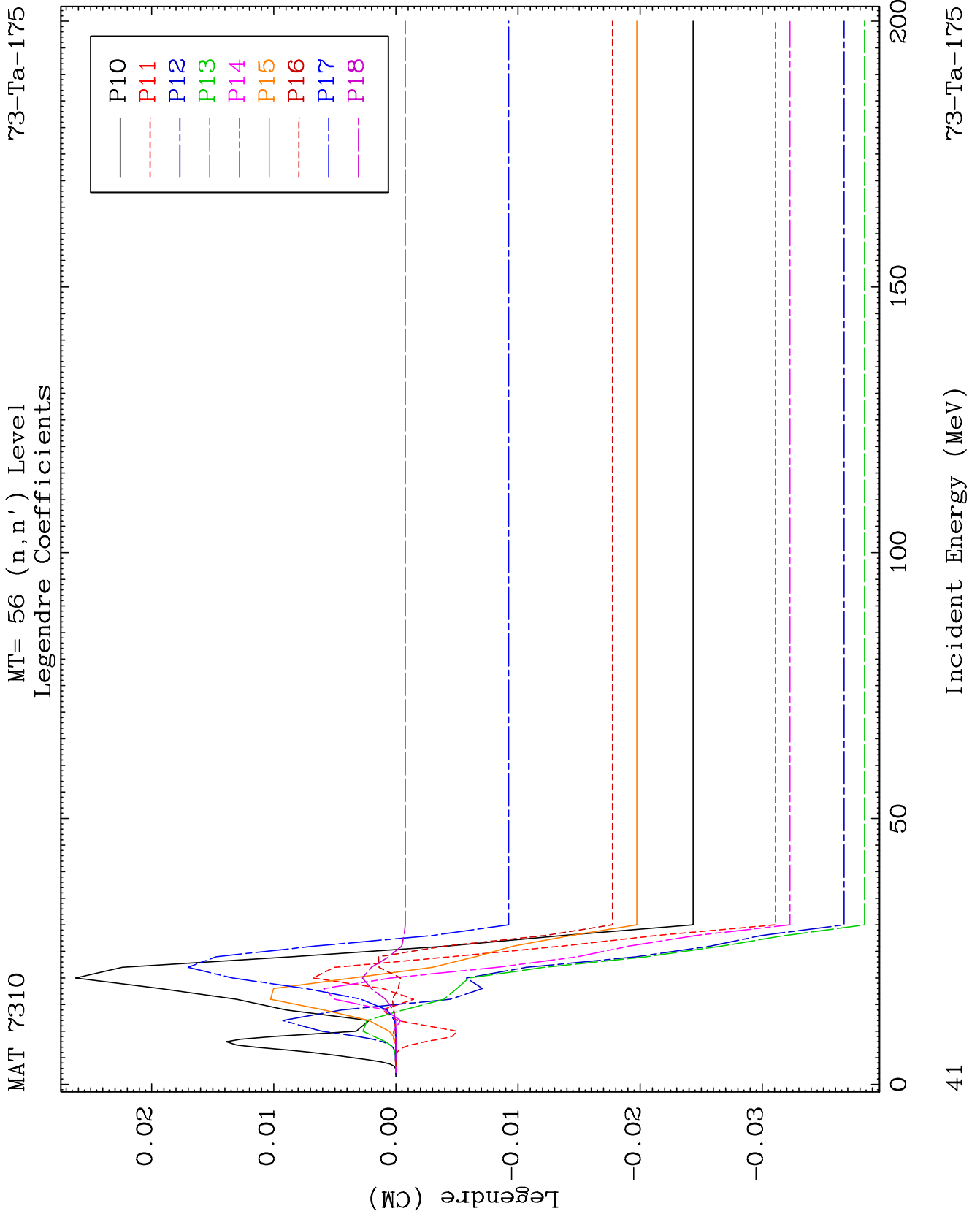








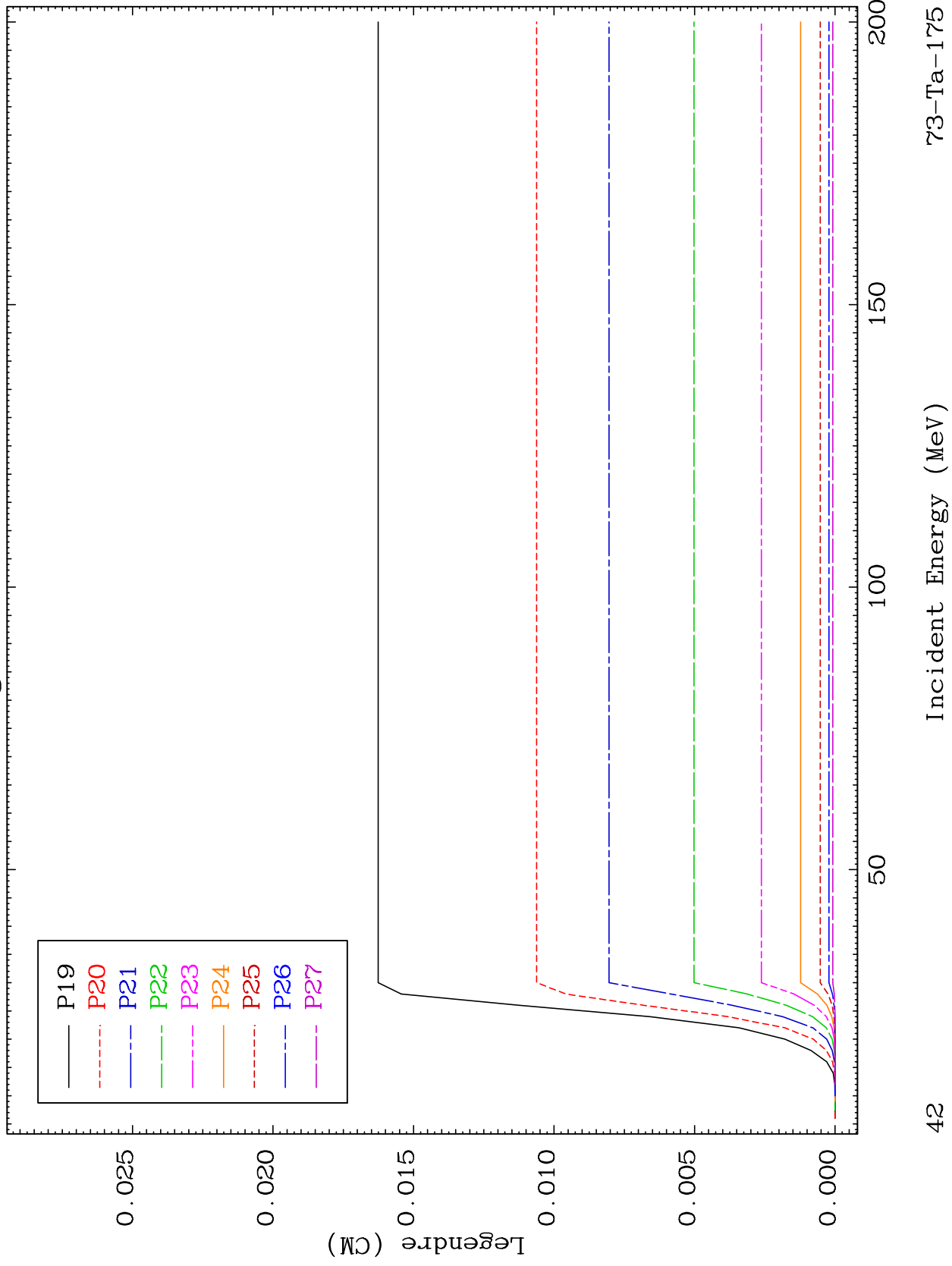




MAT 7310

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

73-Ta-175

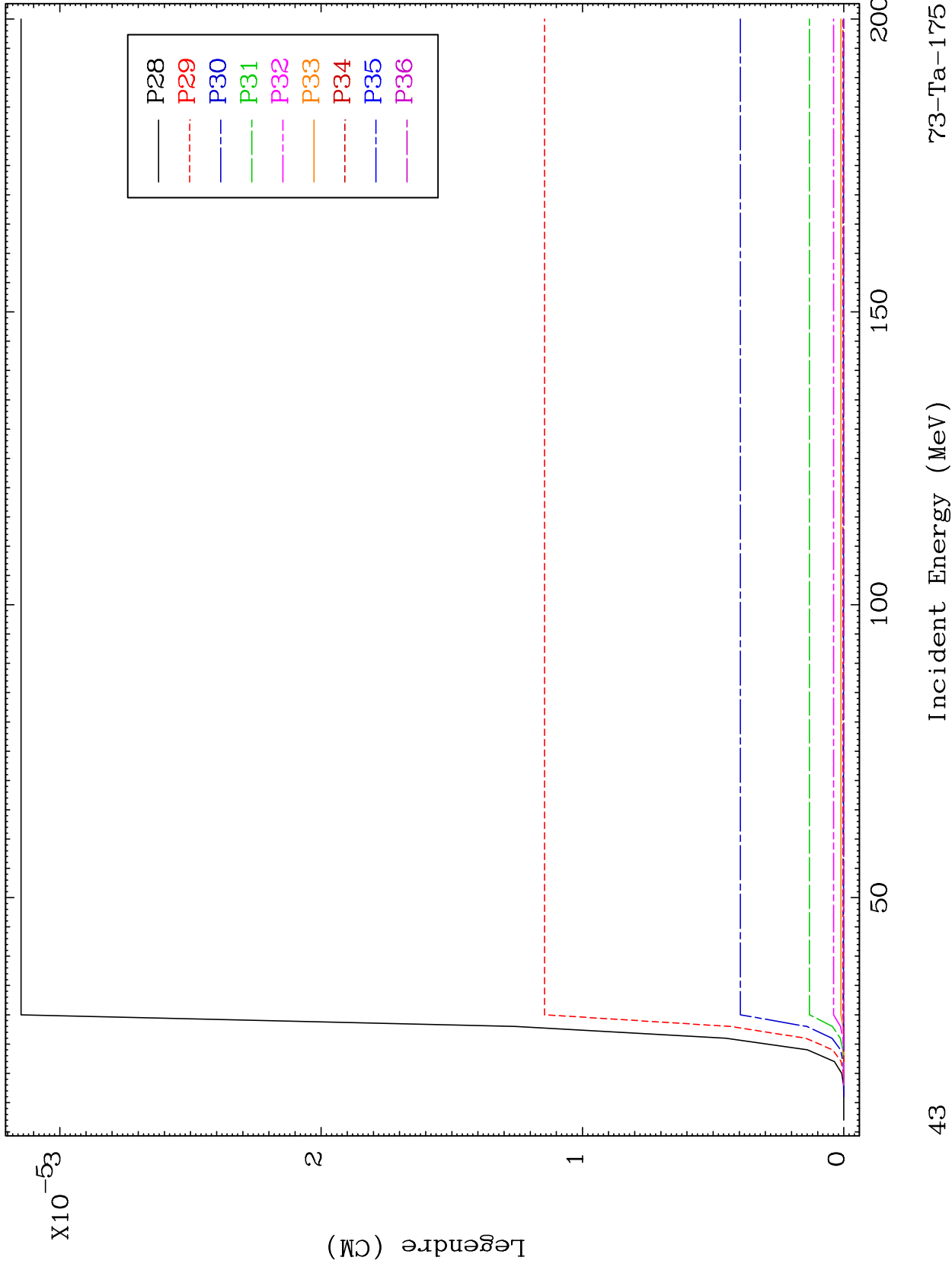


42

MAT 7310

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

73-Ta-175

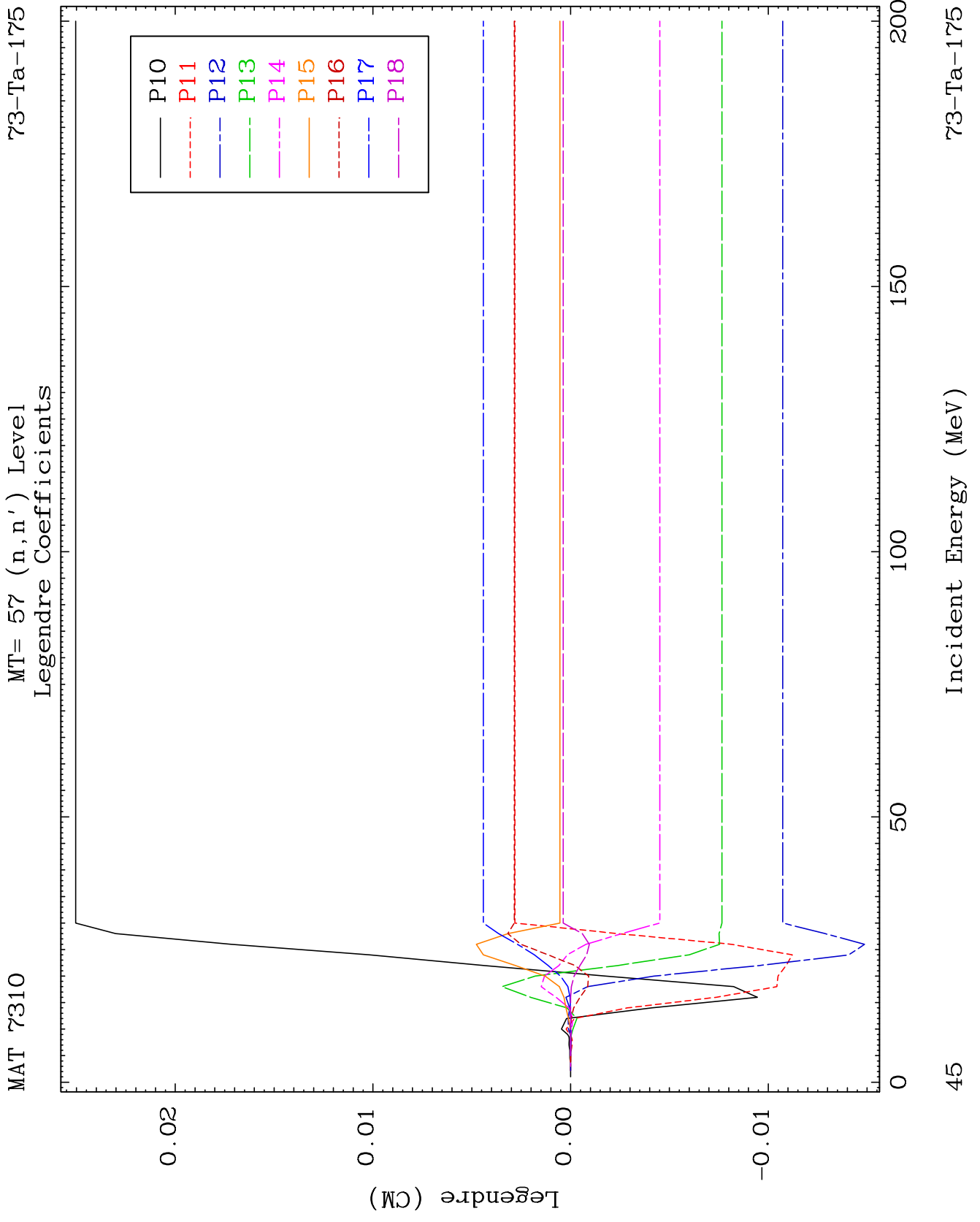


43

Incident Energy (MeV)

73-Ta-175

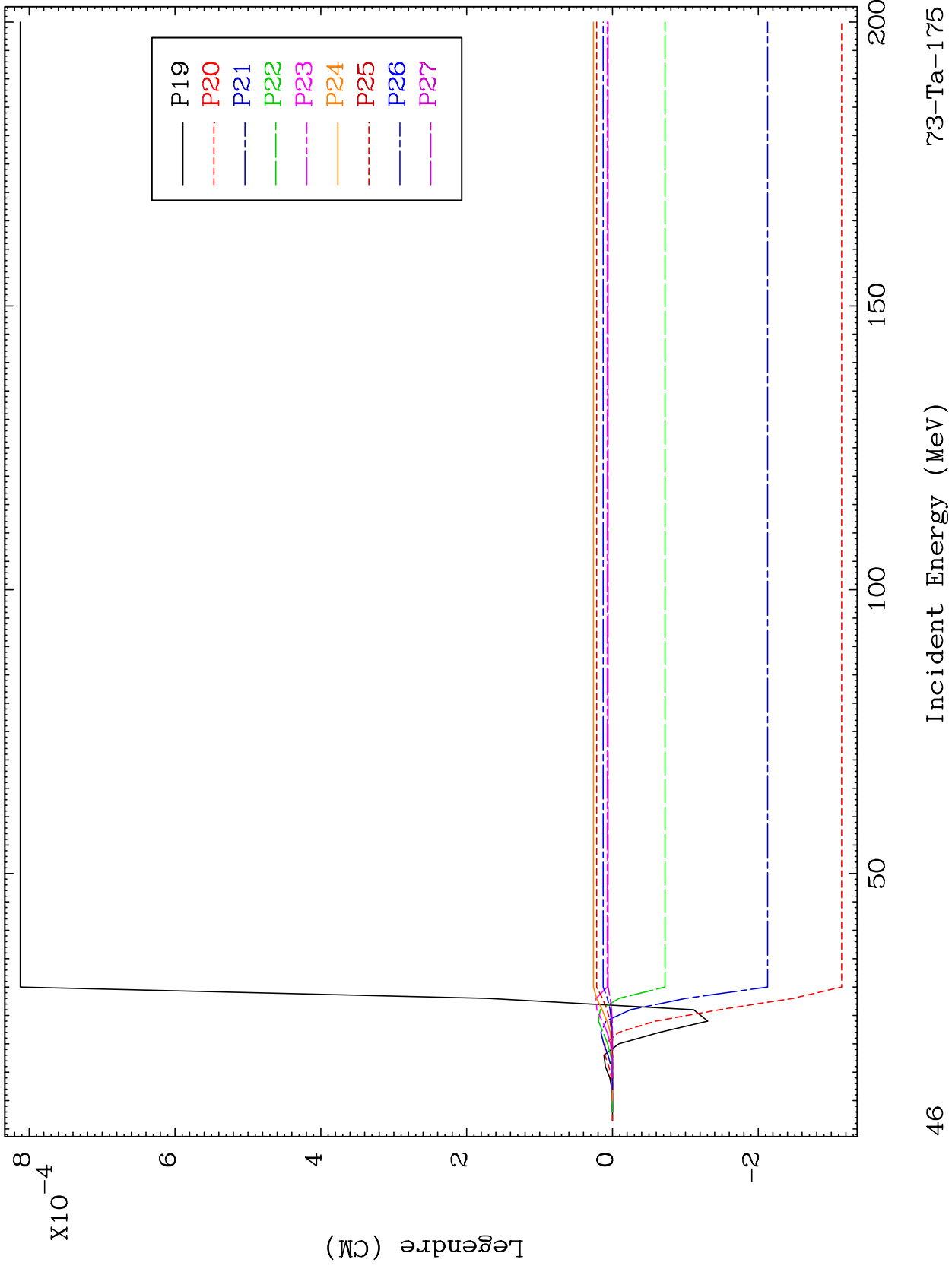




MAT 7310

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

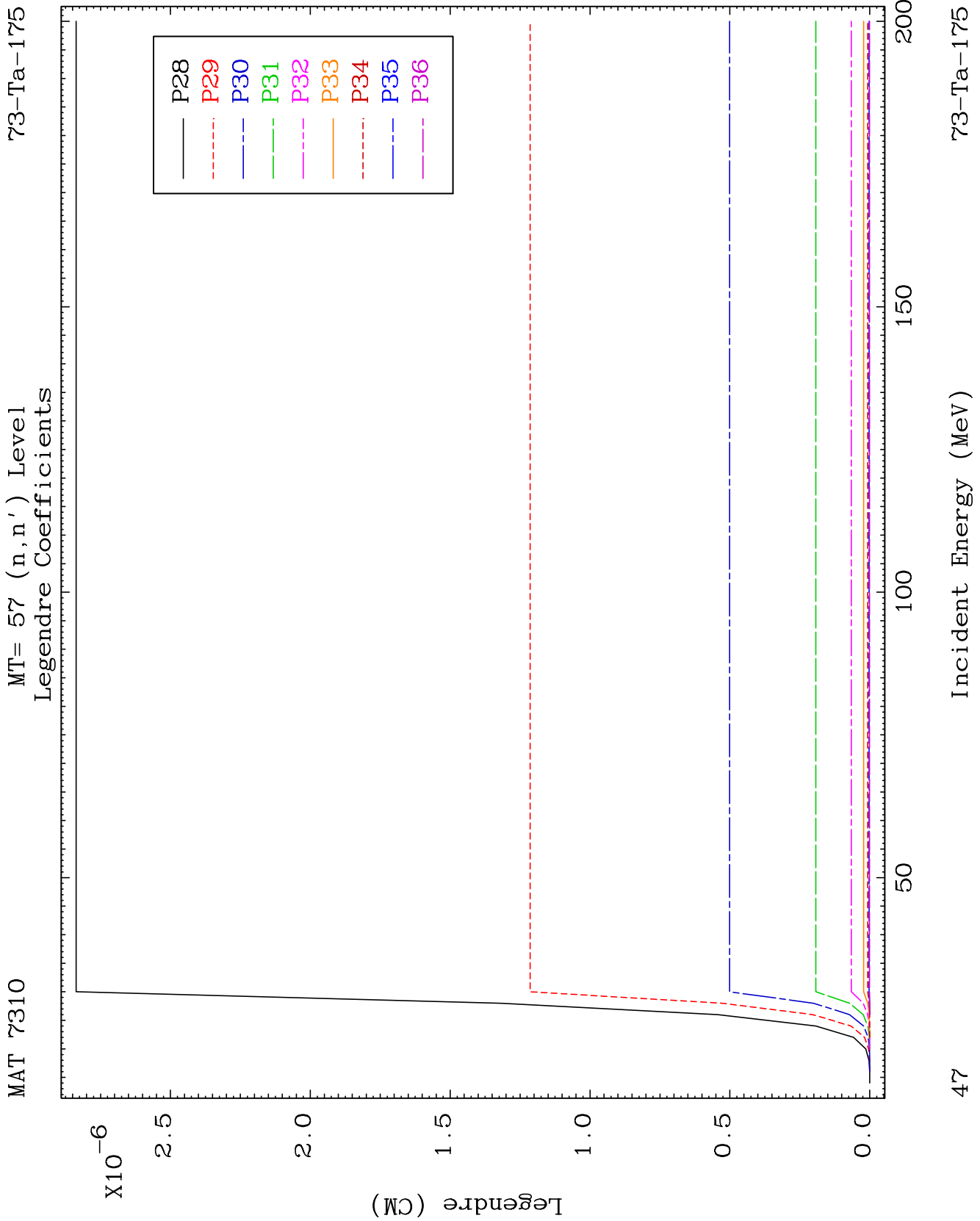
73-Ta-175



46

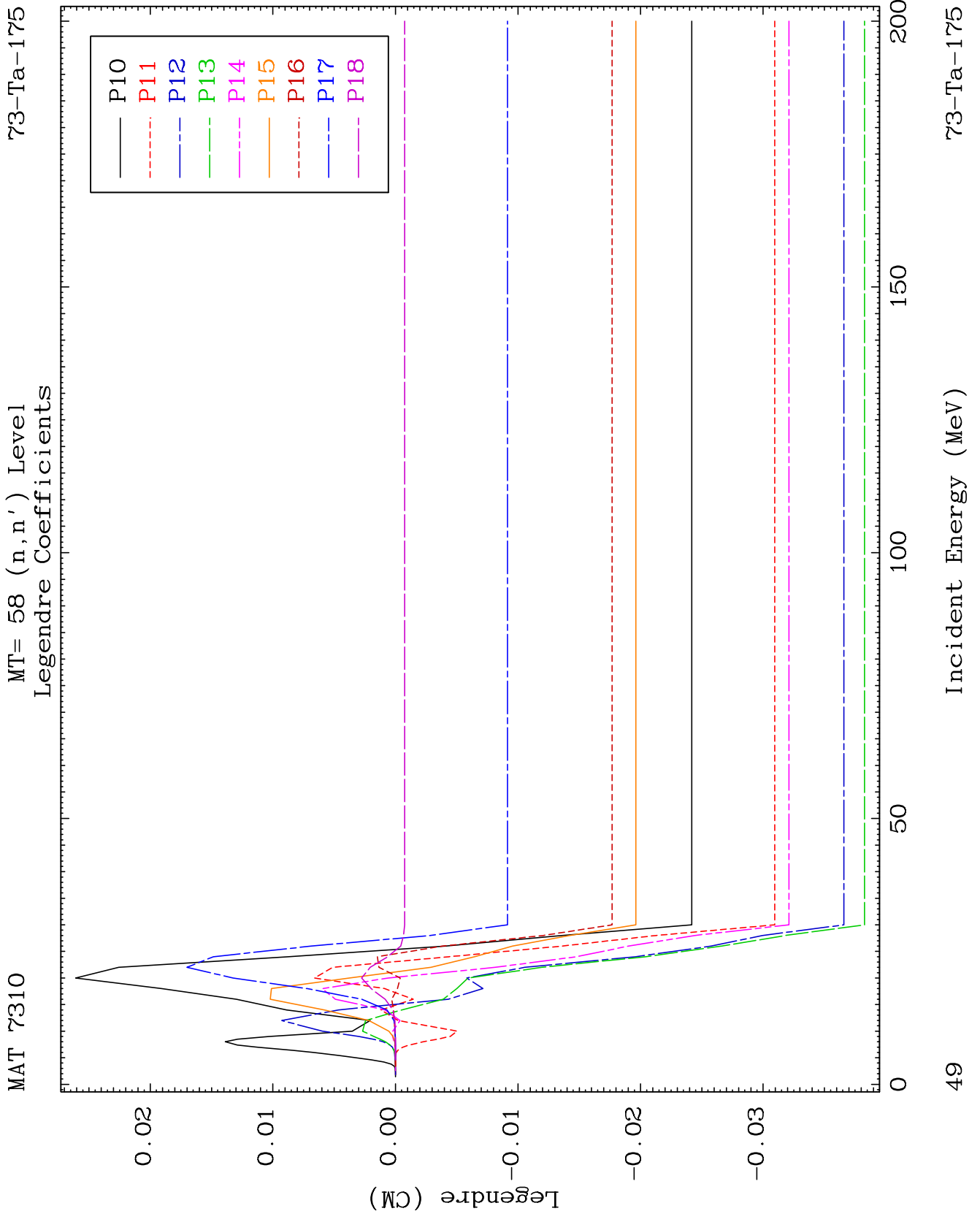
Incident Energy (MeV)

73-Ta-175





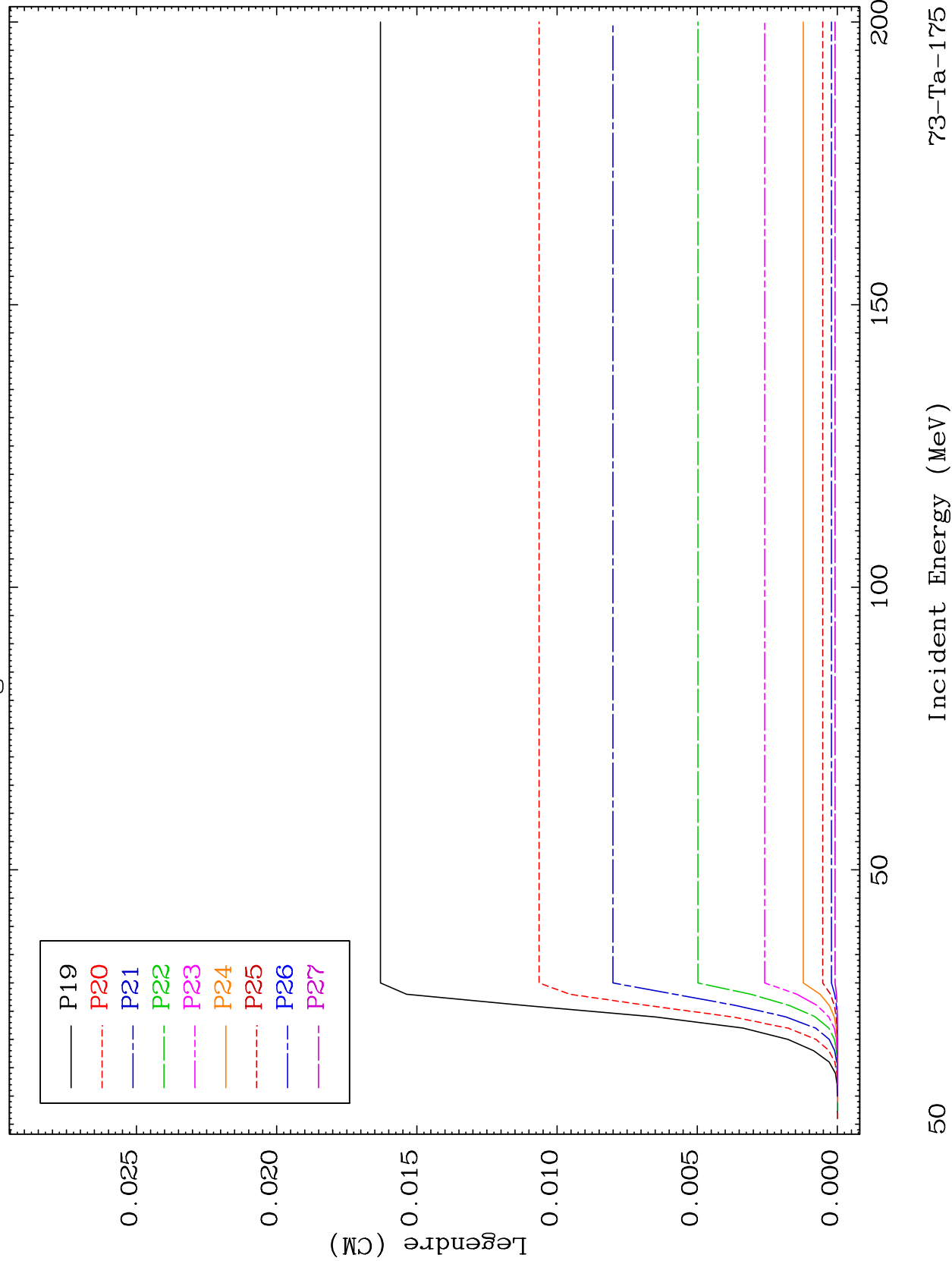




MAT 7310

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

73-Ta-175



73-Ta-175

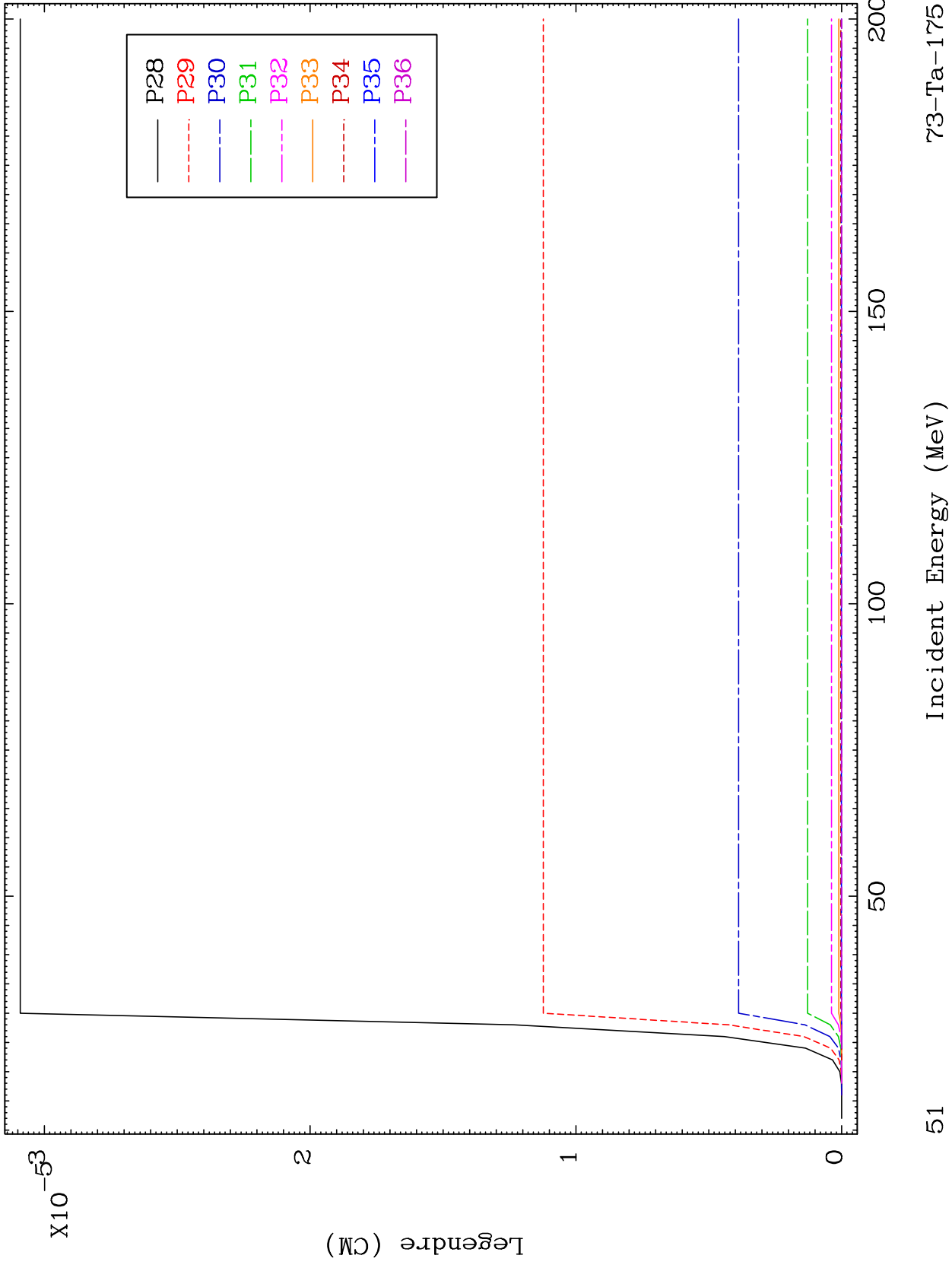
Incident Energy (MeV)

50

MAT 7310

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

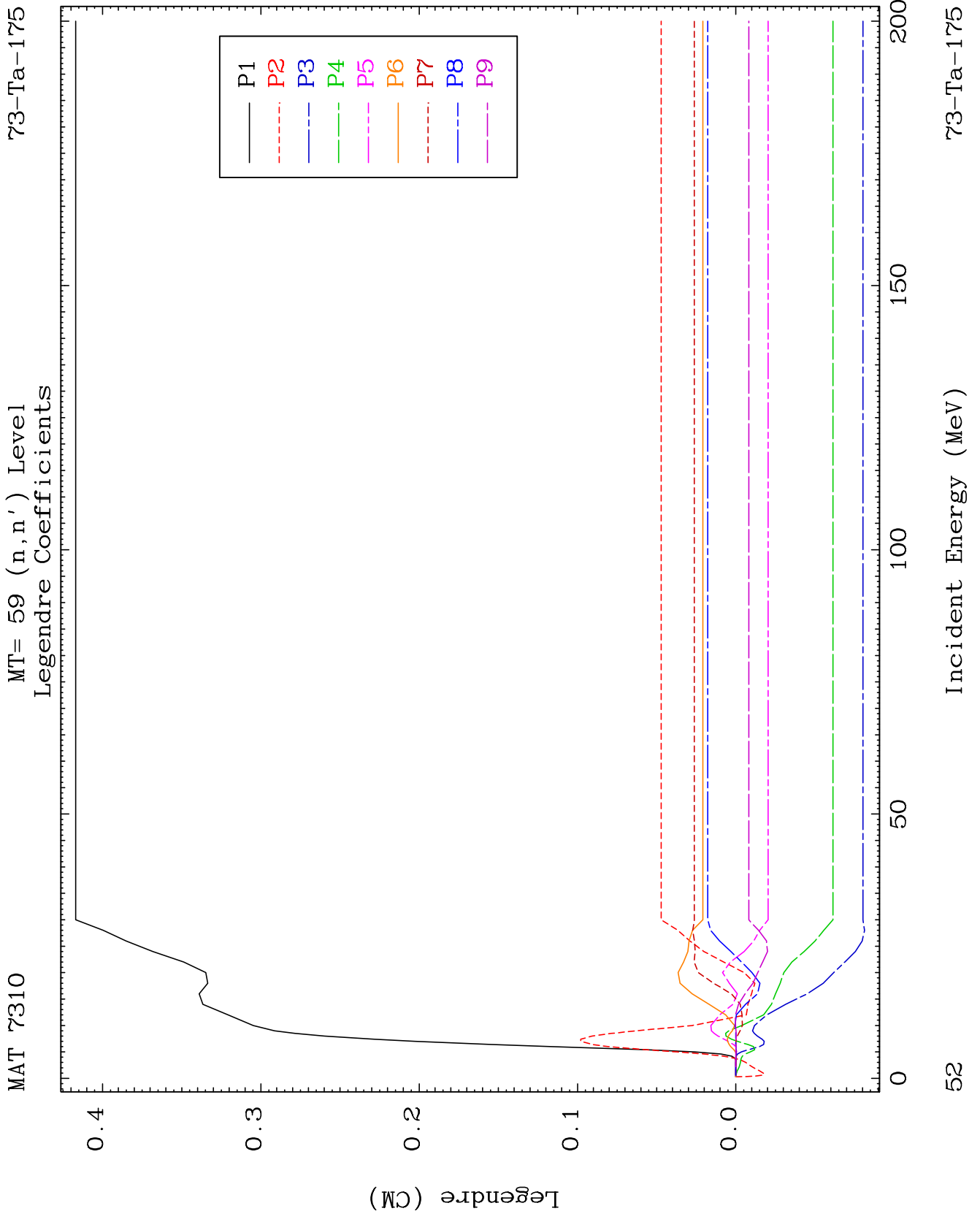
73-Ta-175

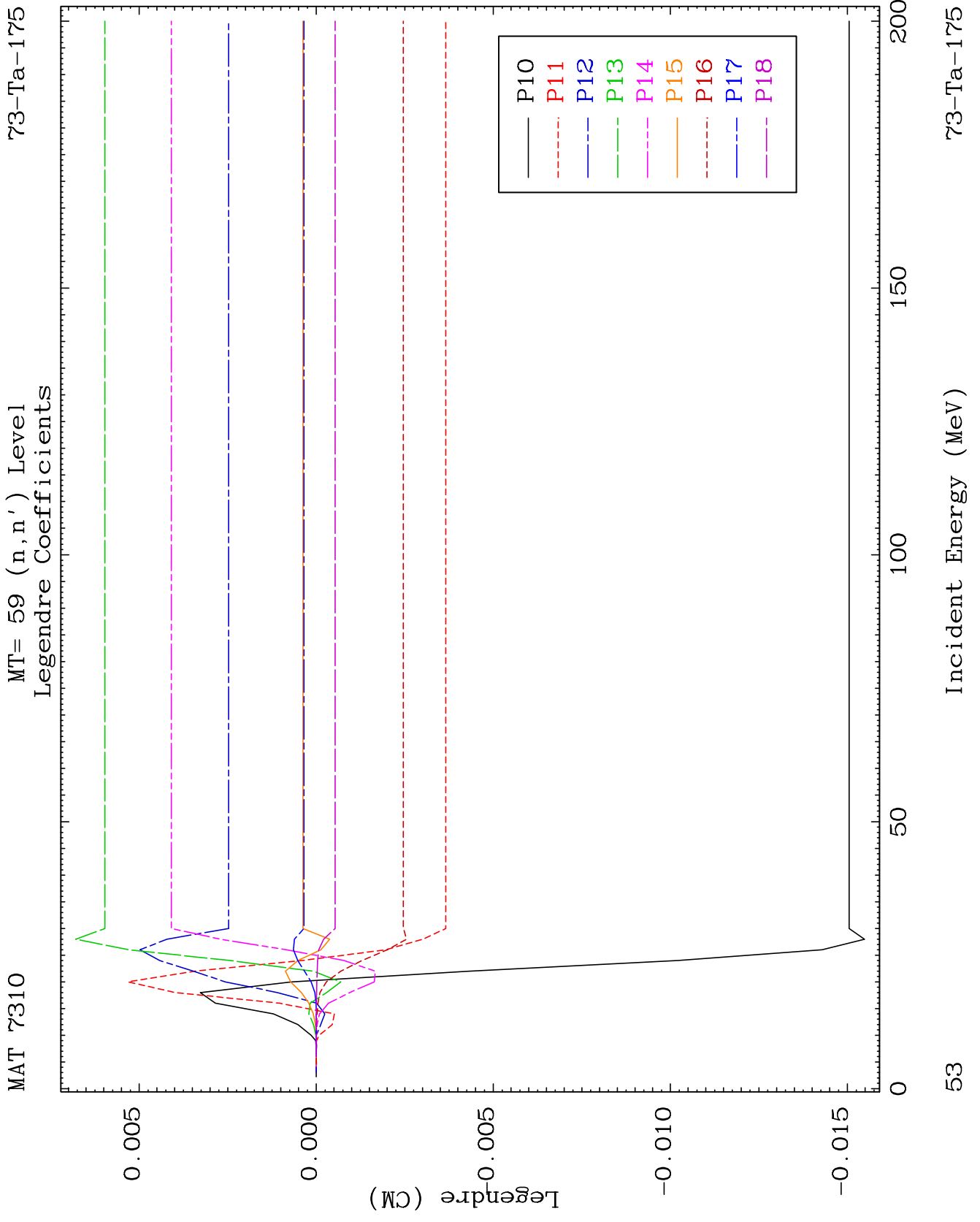


51

Incident Energy (MeV)

73-Ta-175



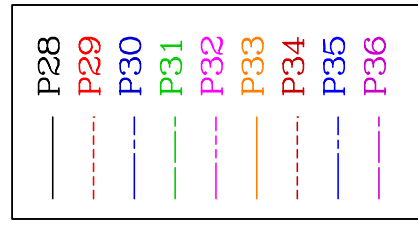




MAT 7310

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

73-Ta-175



$\times 10^{-7}$

Legendre (CM)

1.0

0.5

0.0

50

100

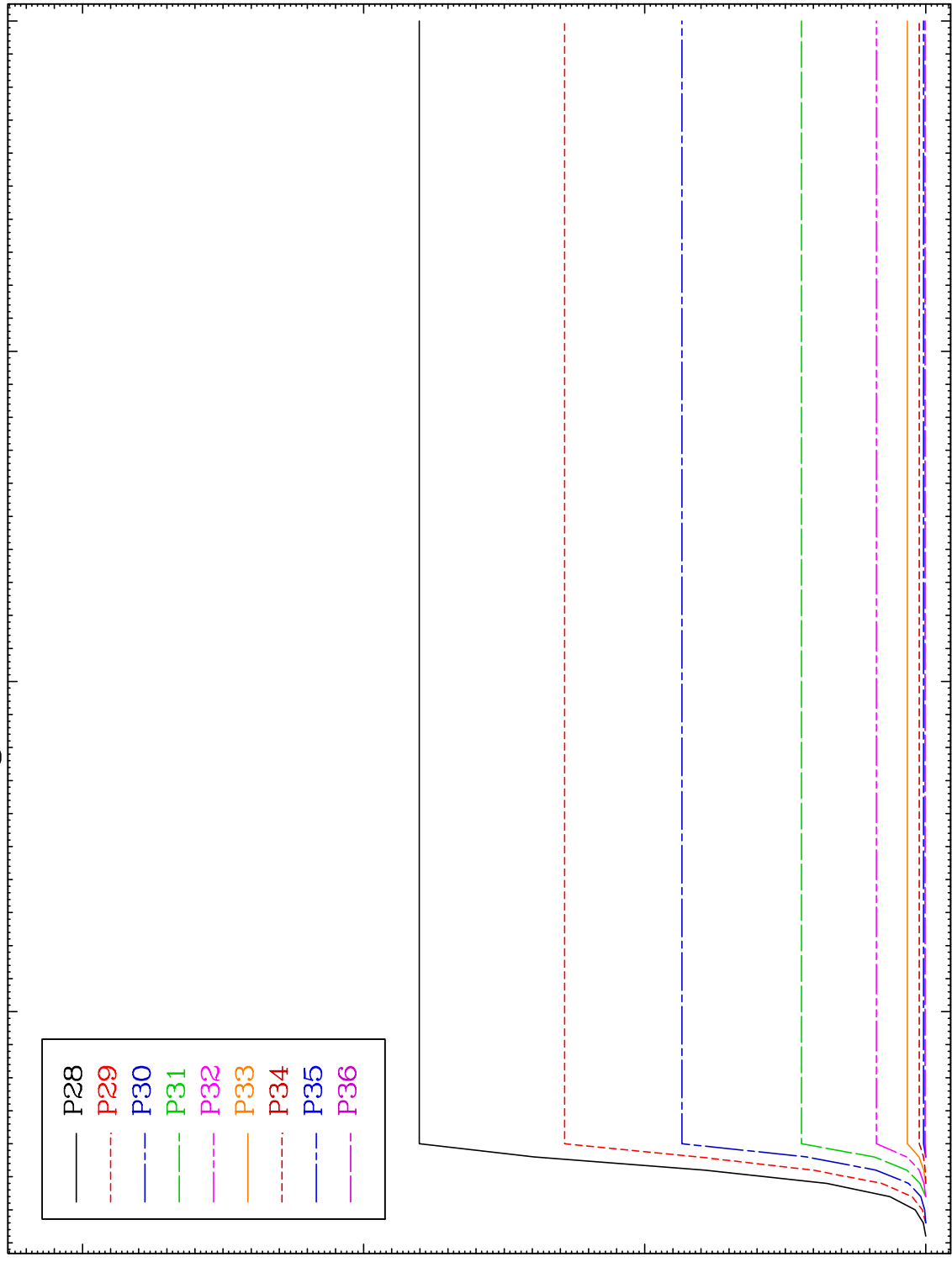
150

200

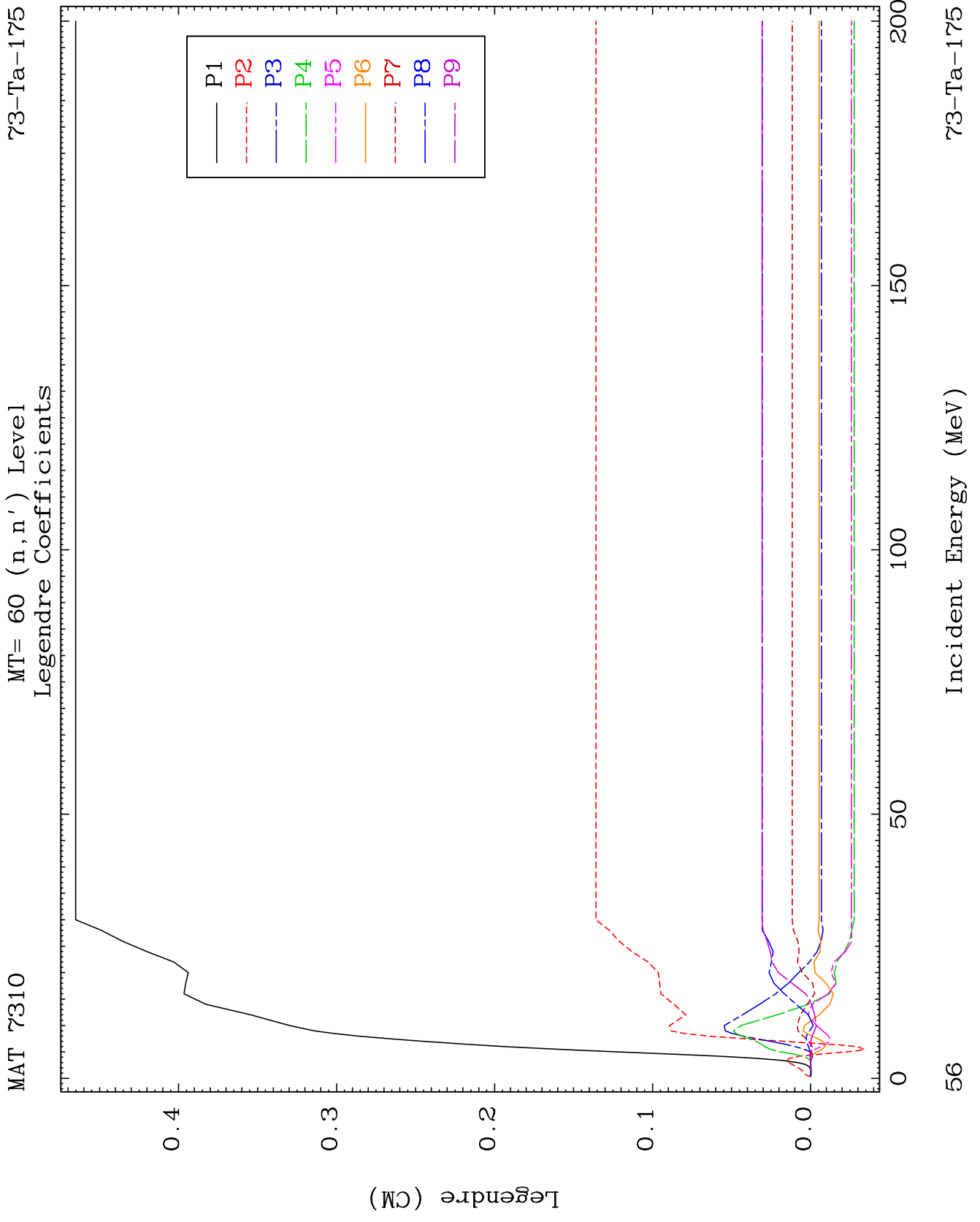
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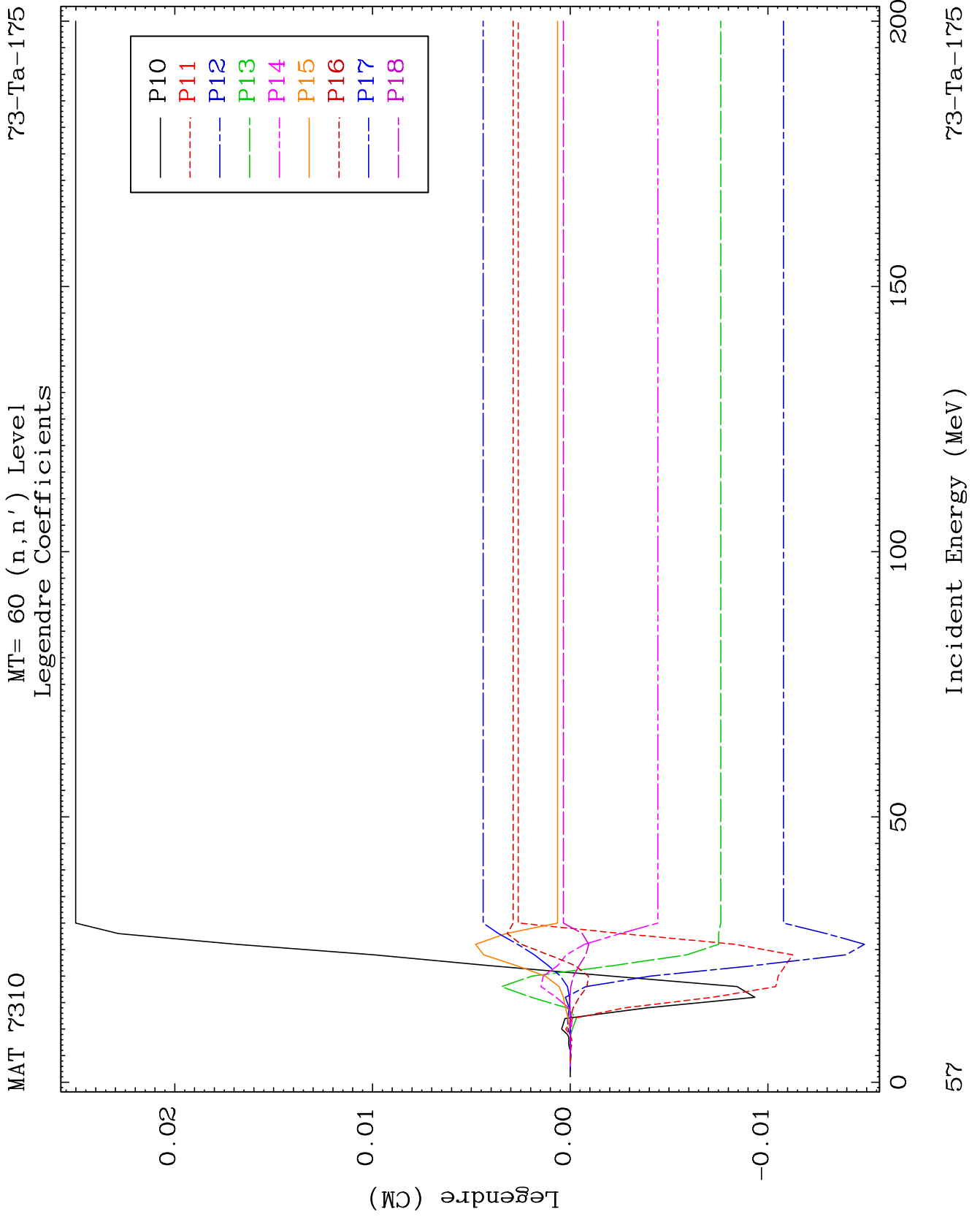
Incident Energy (MeV)

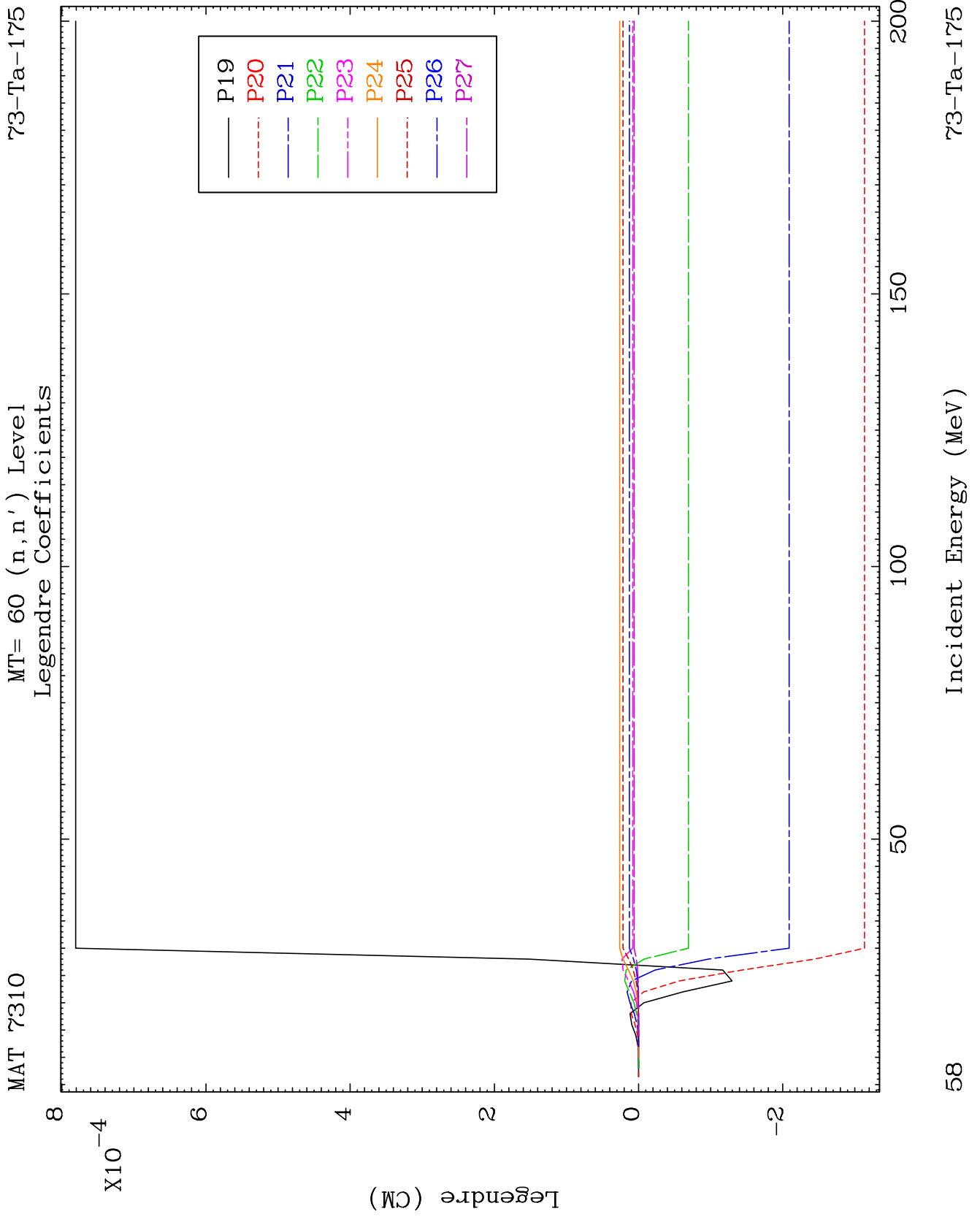
73-Ta-175

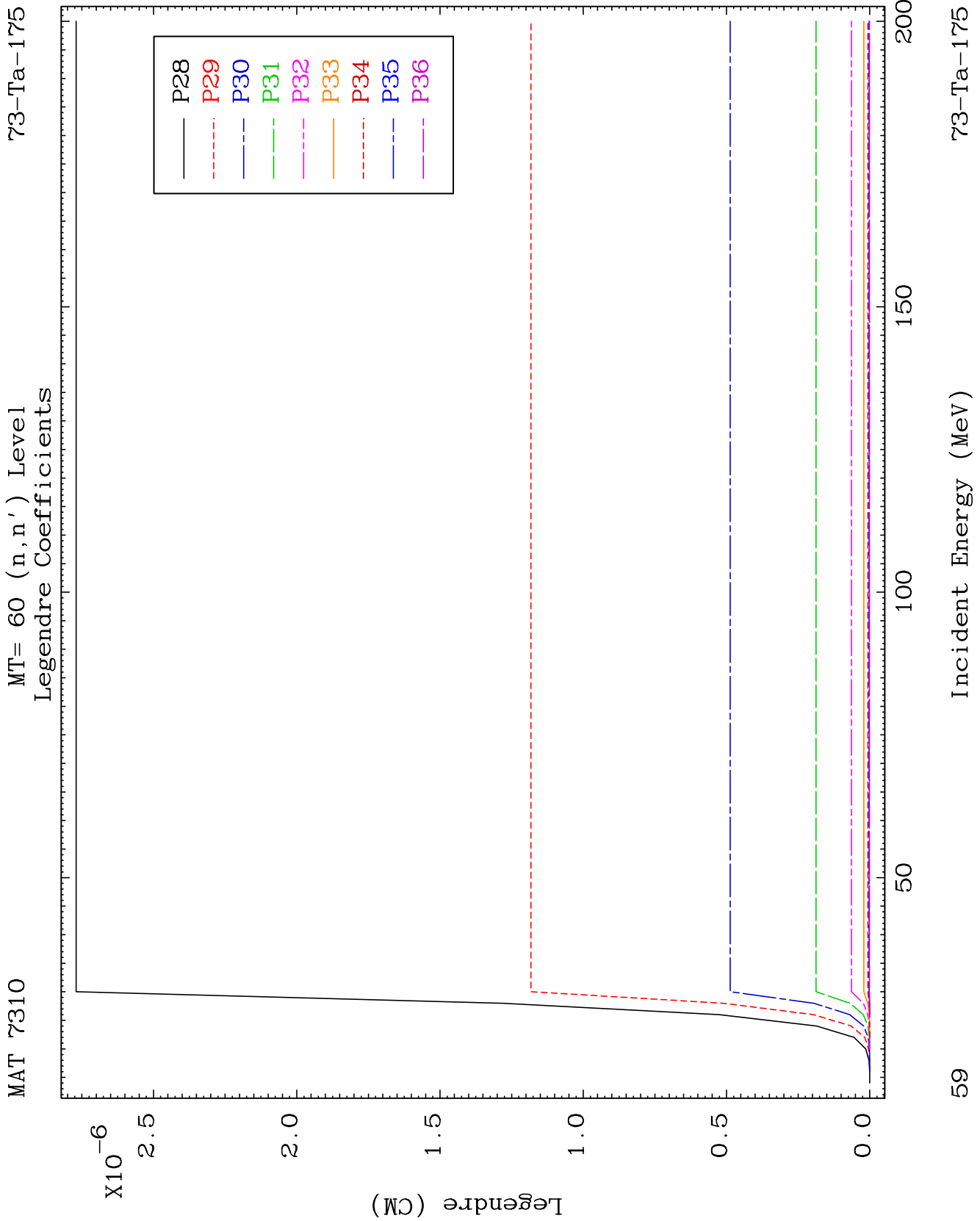


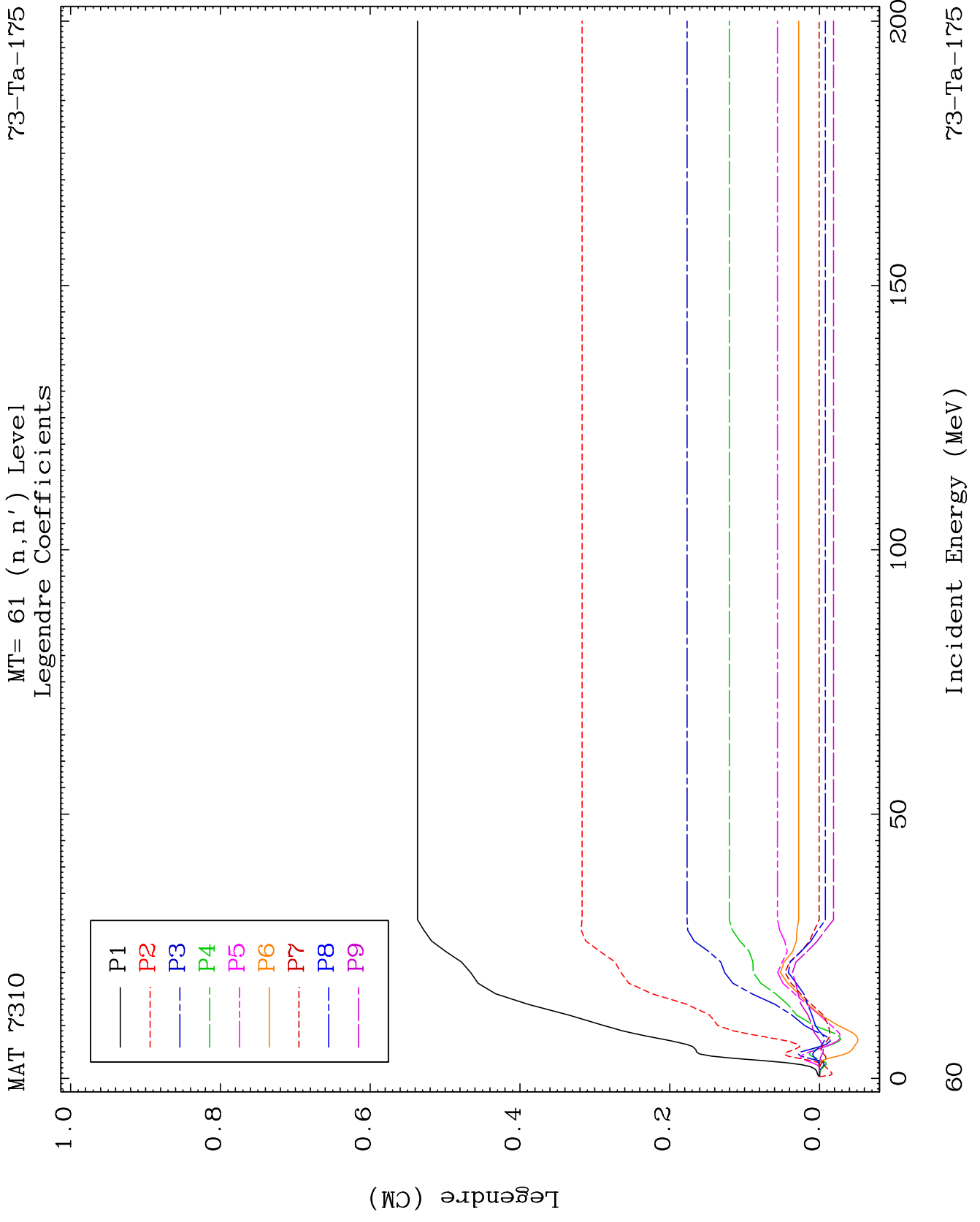


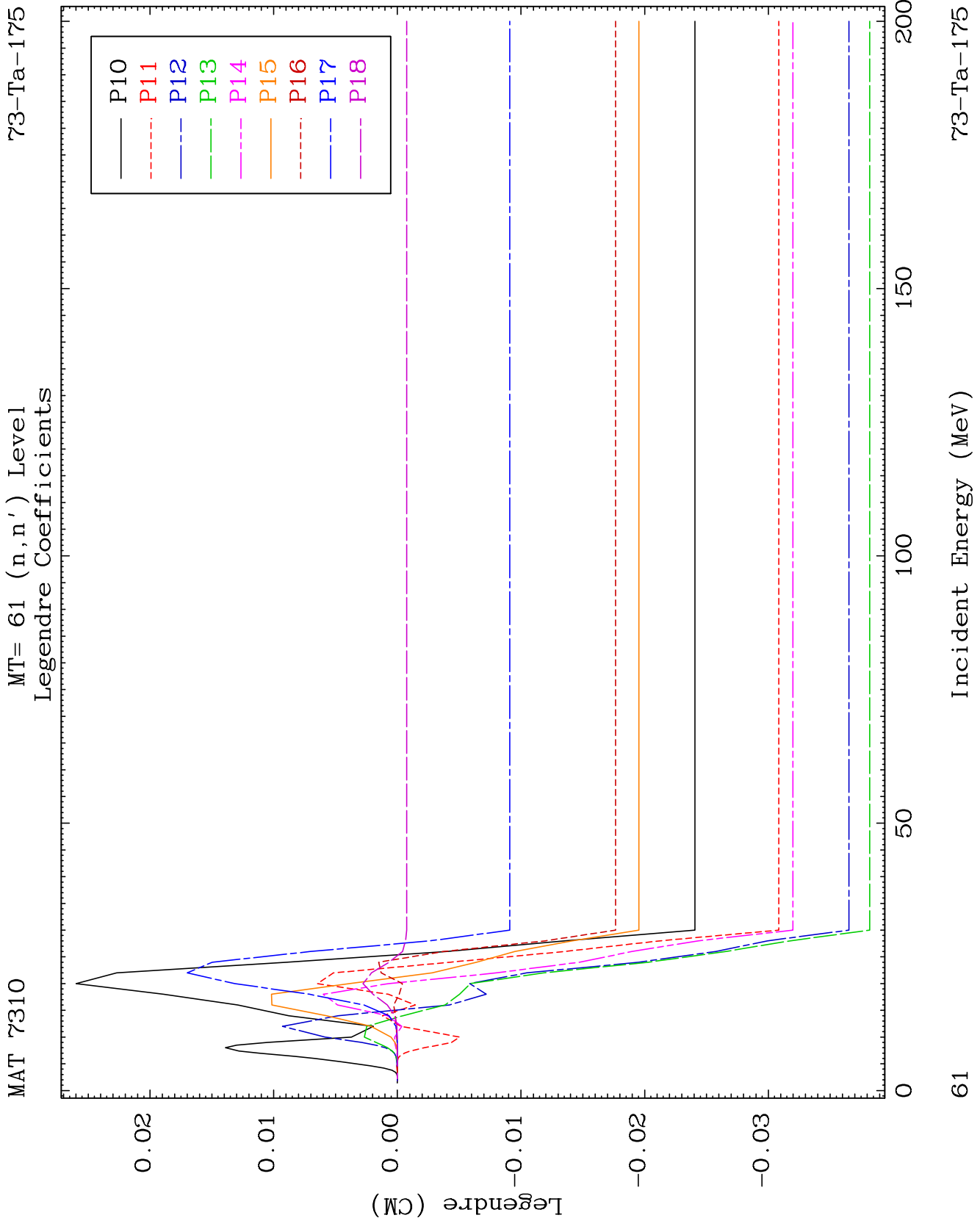


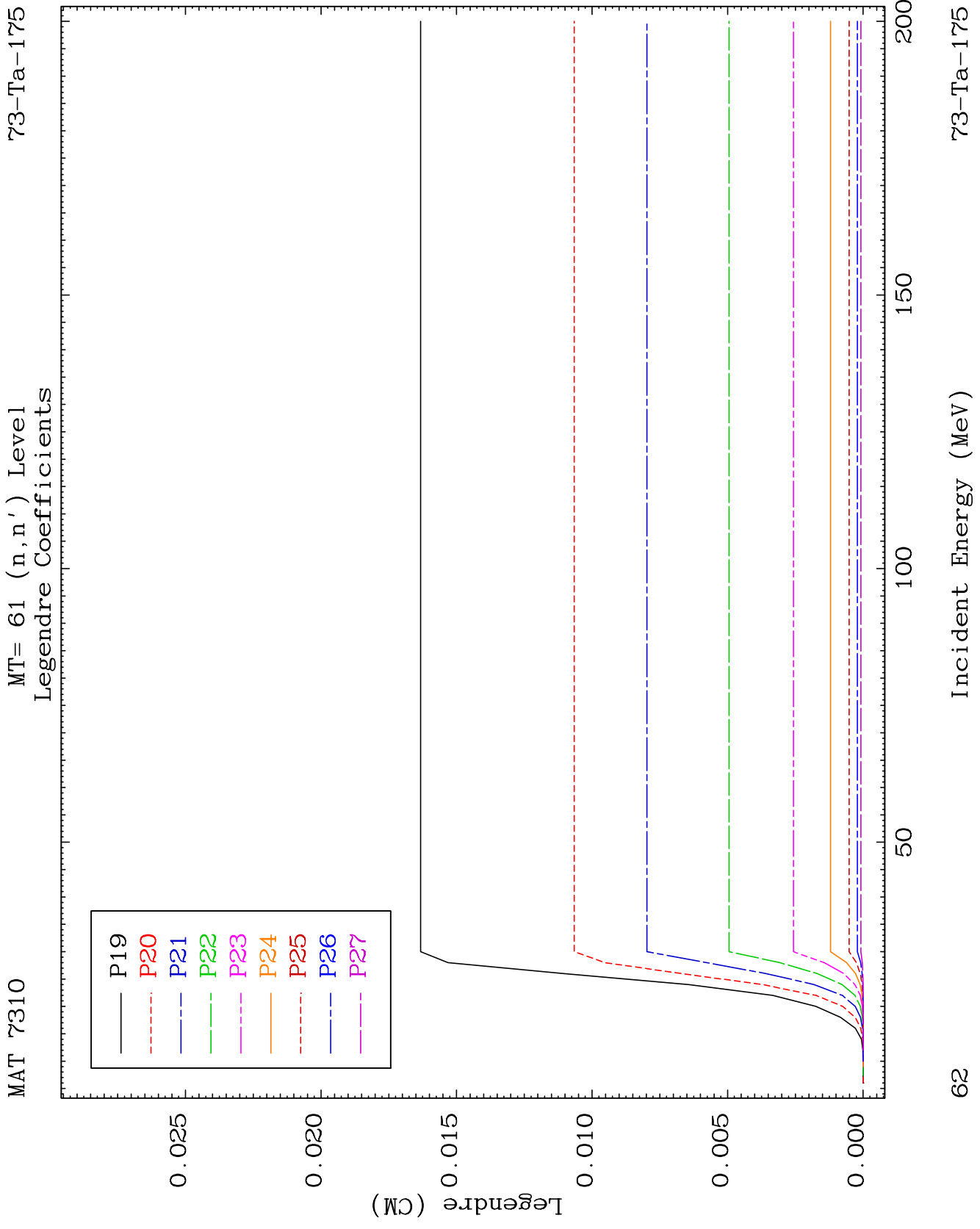


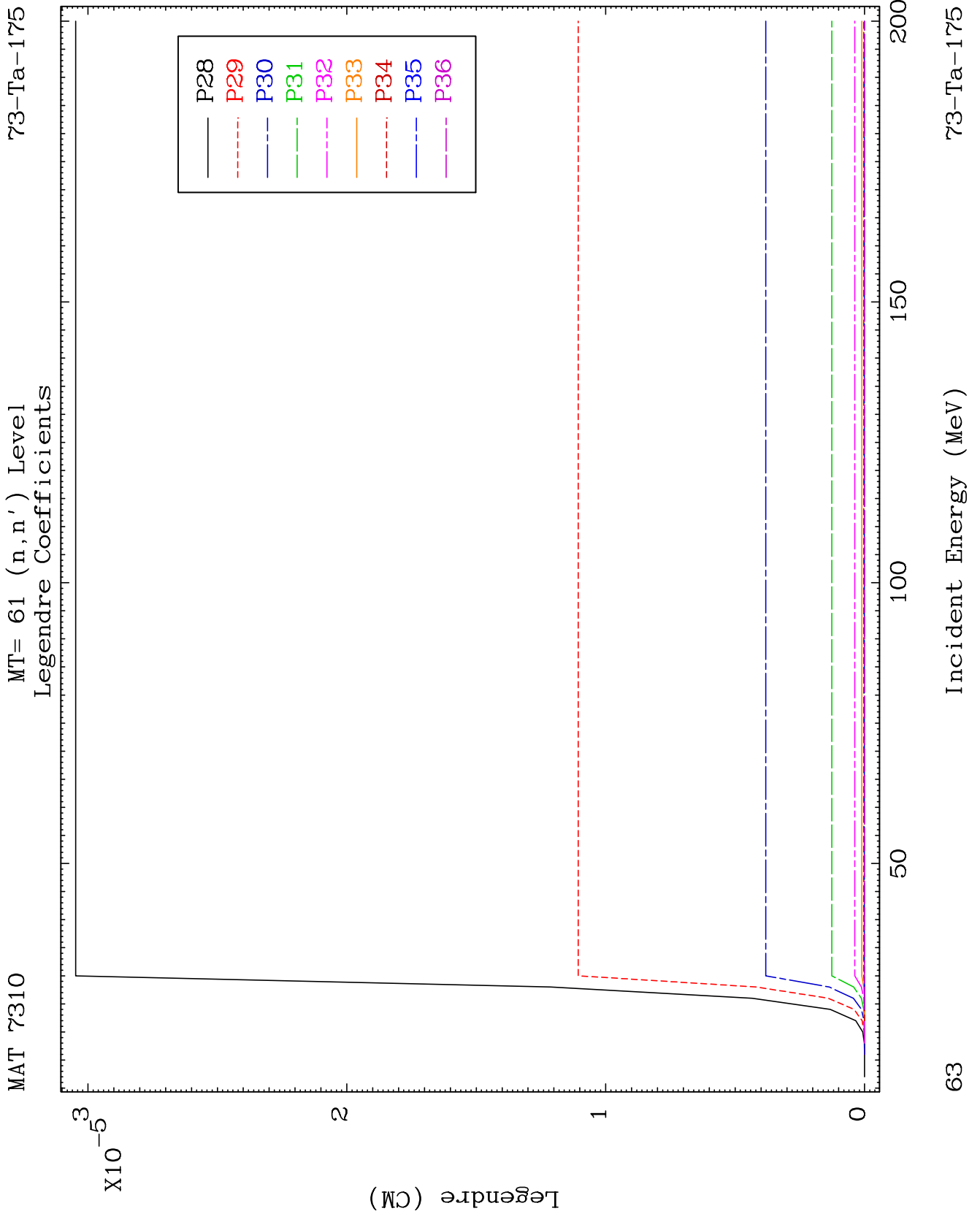




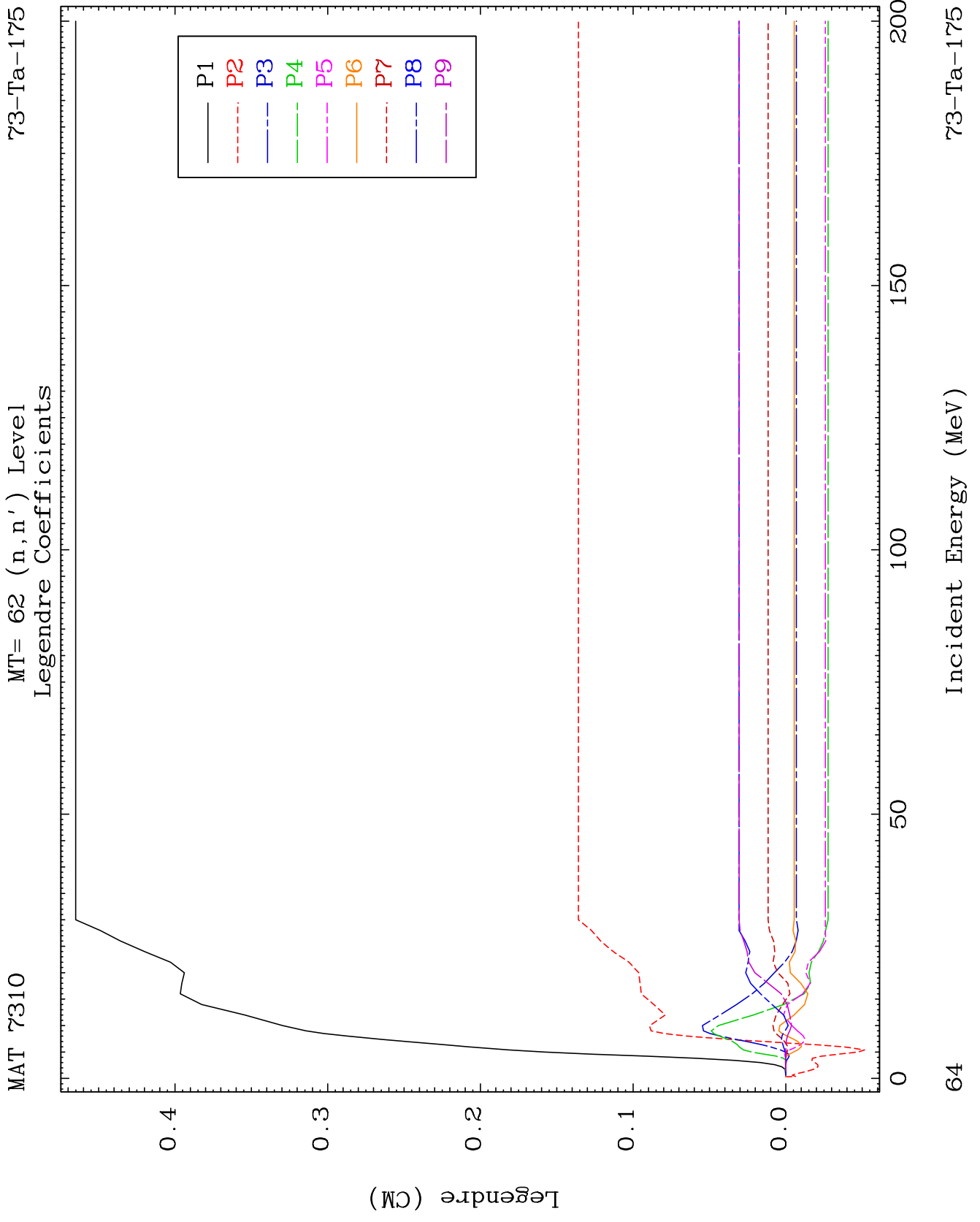


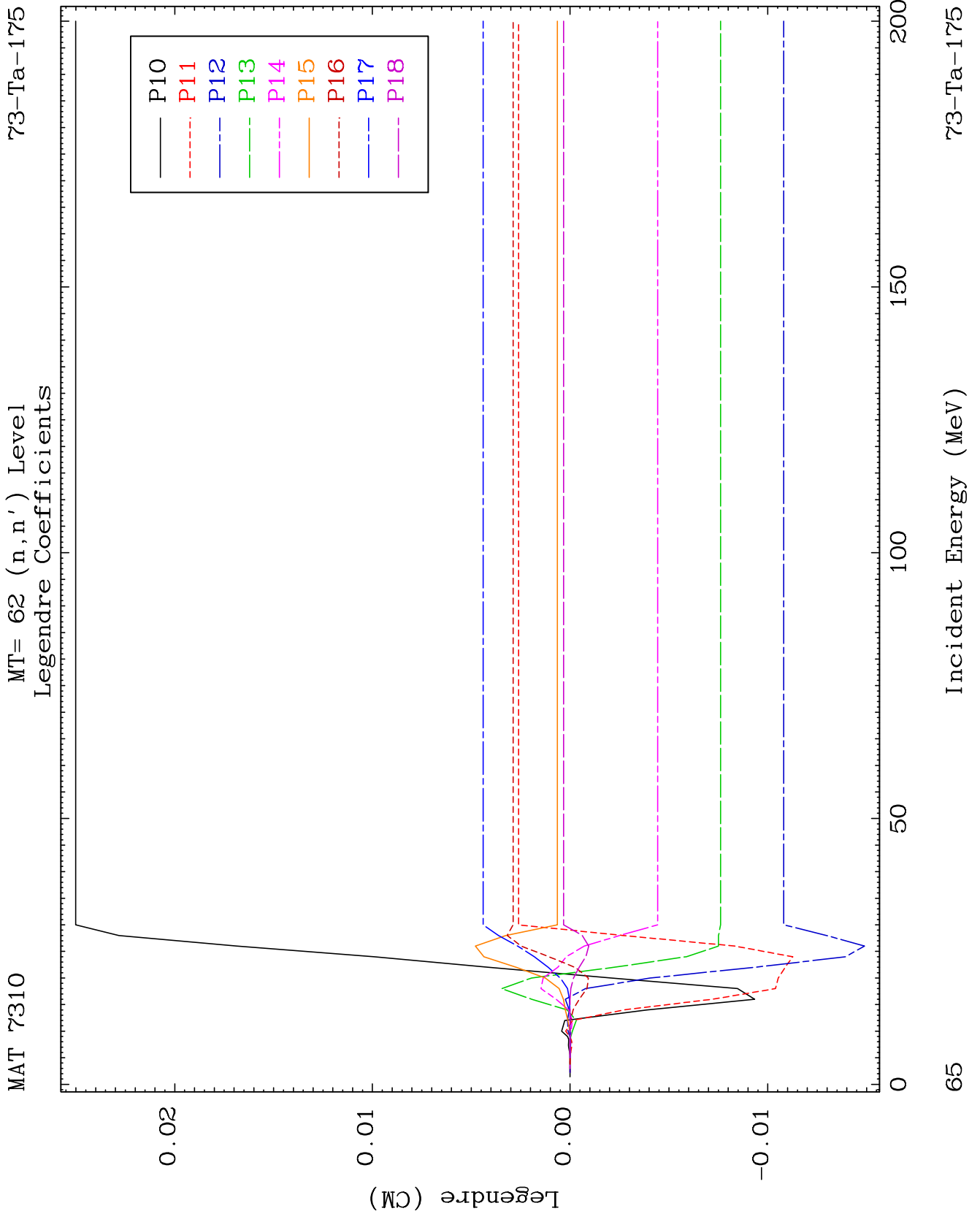








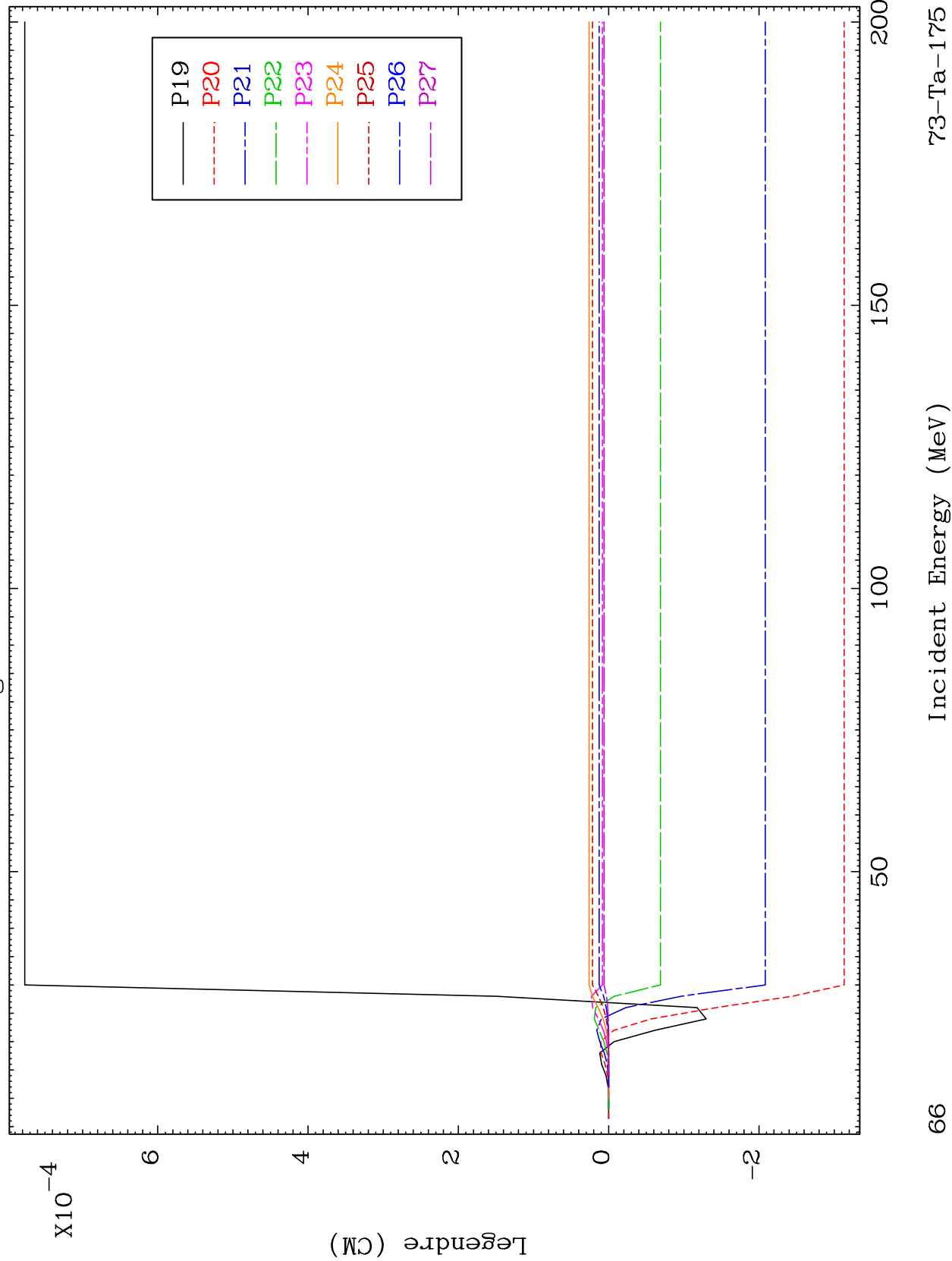




MAT 7310

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

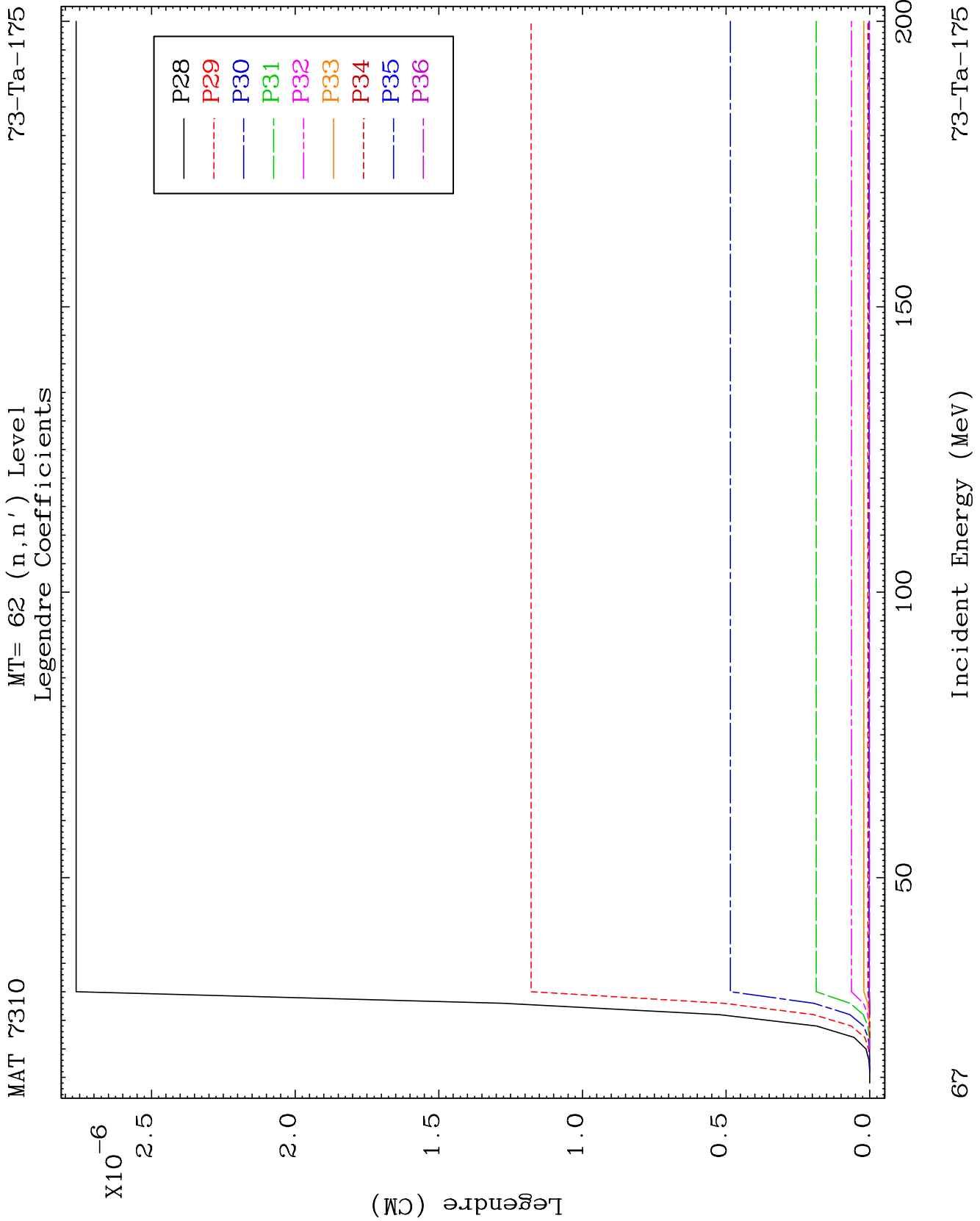
73-Ta-175

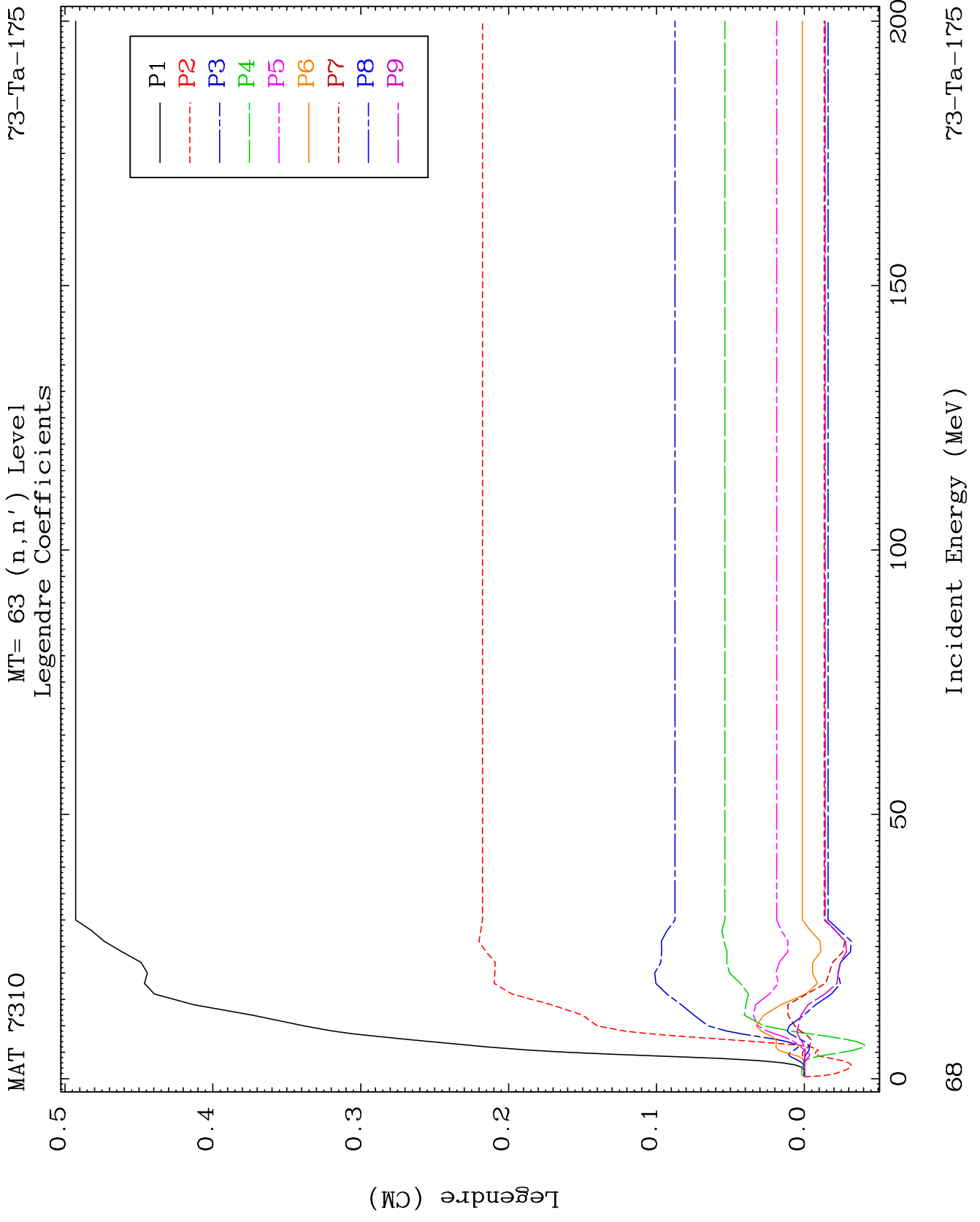


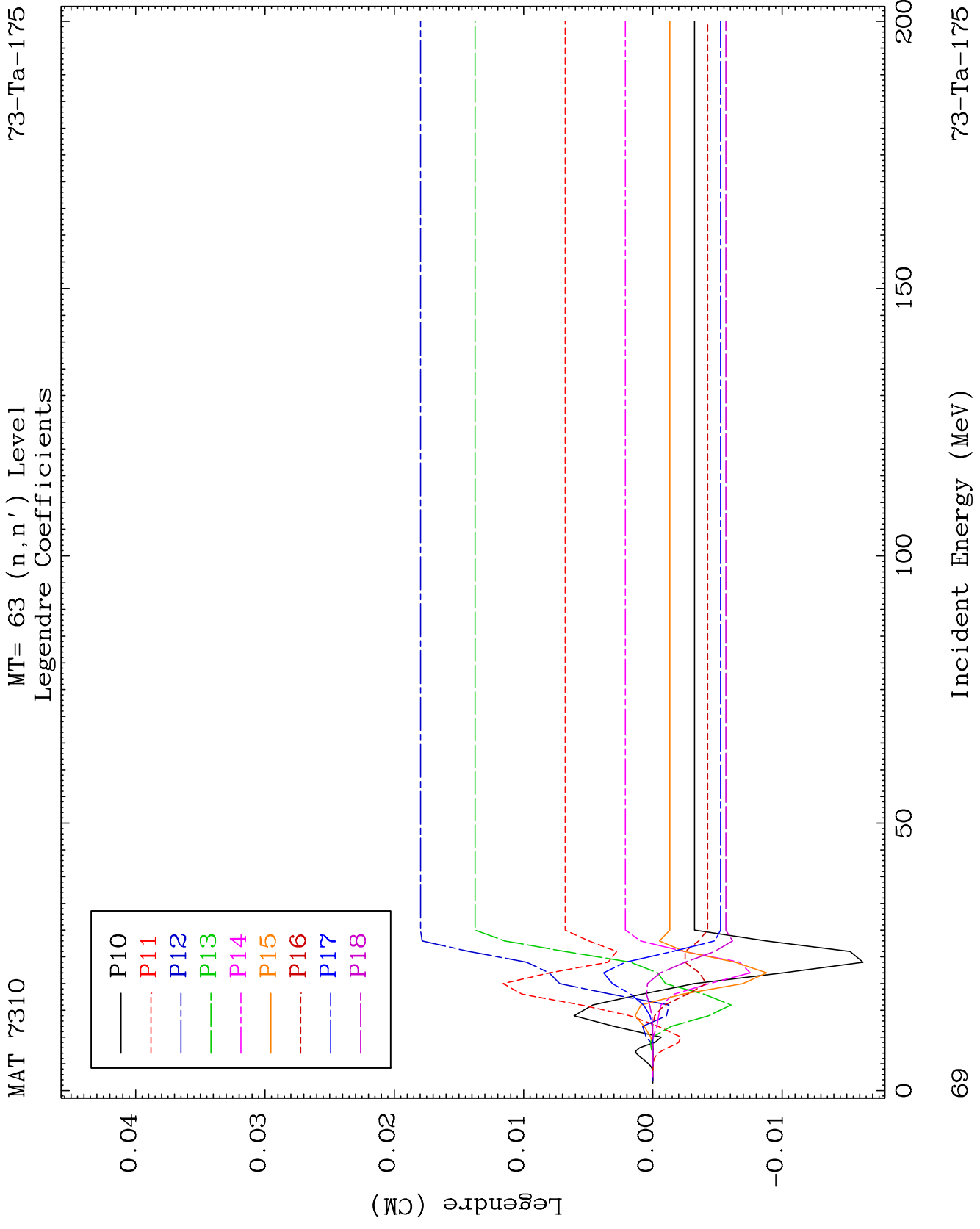
66

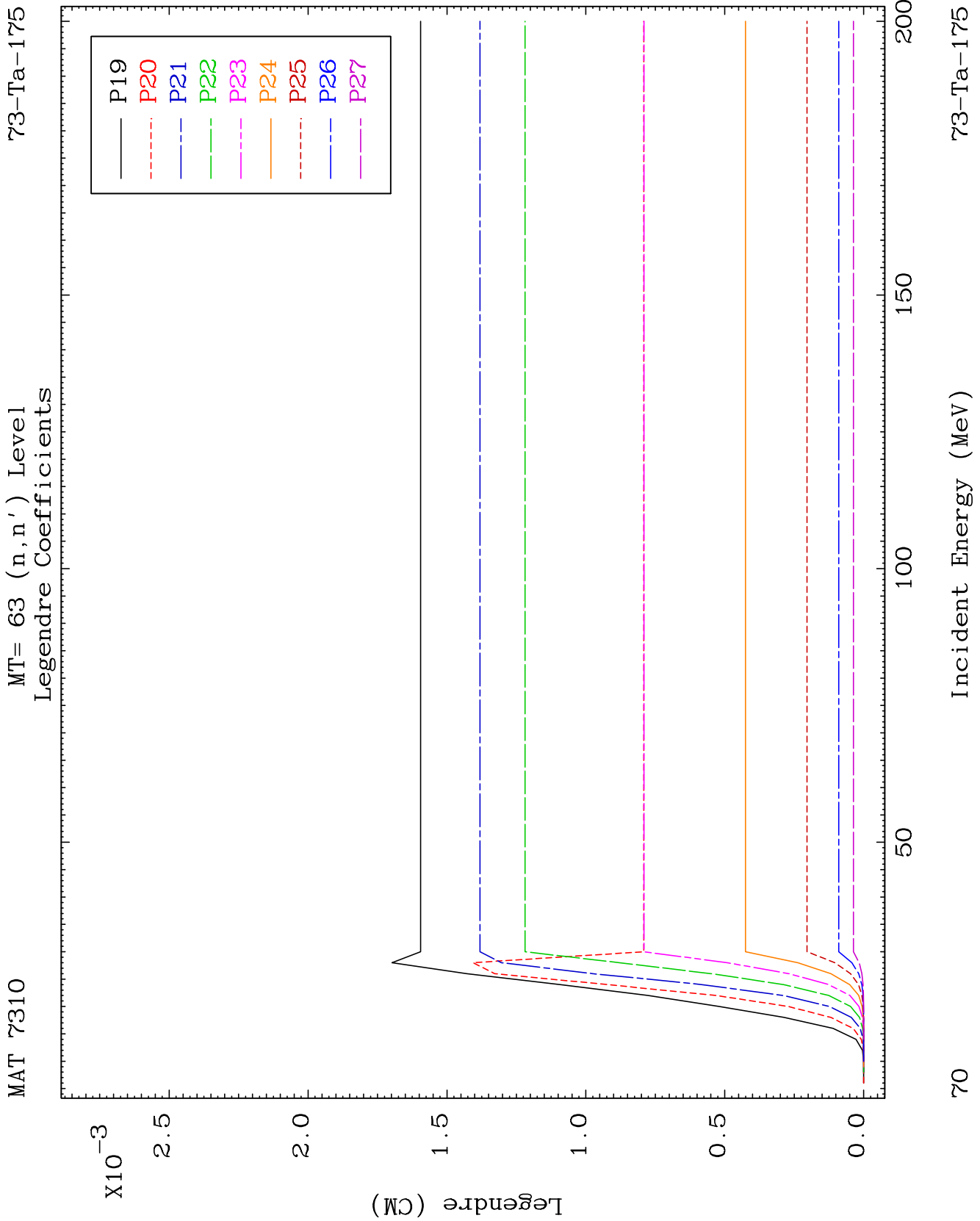
Incident Energy (MeV)

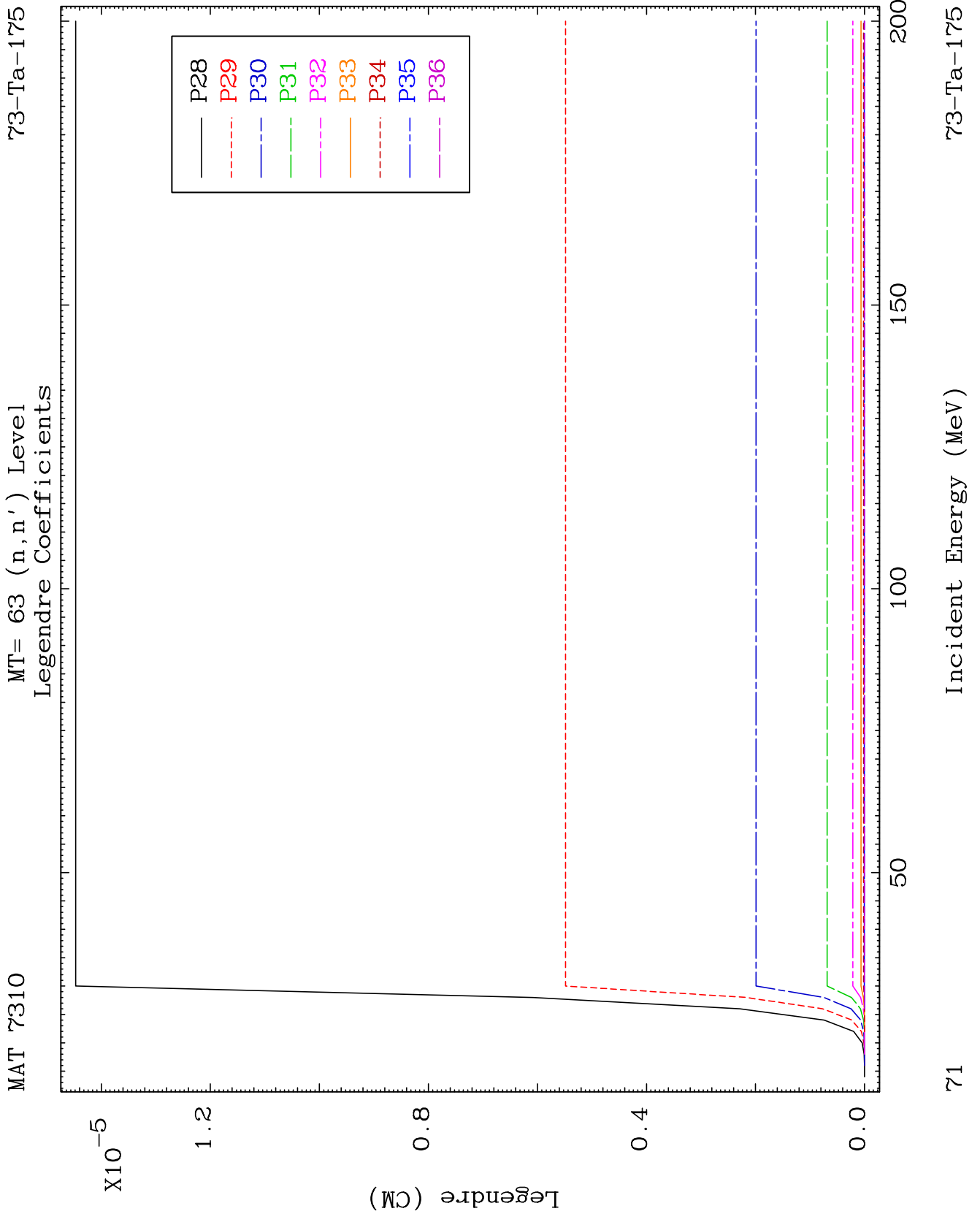
73-Ta-175





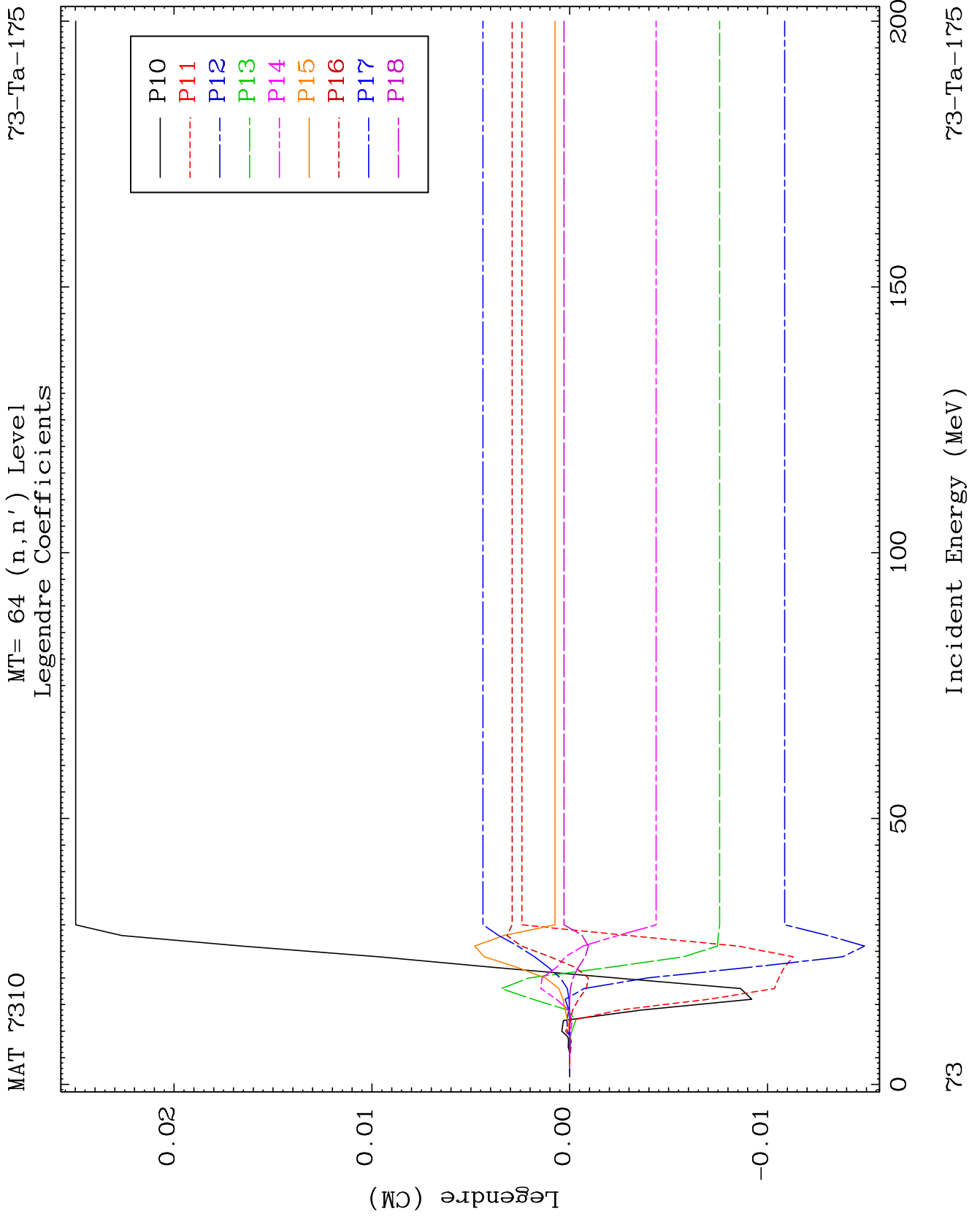








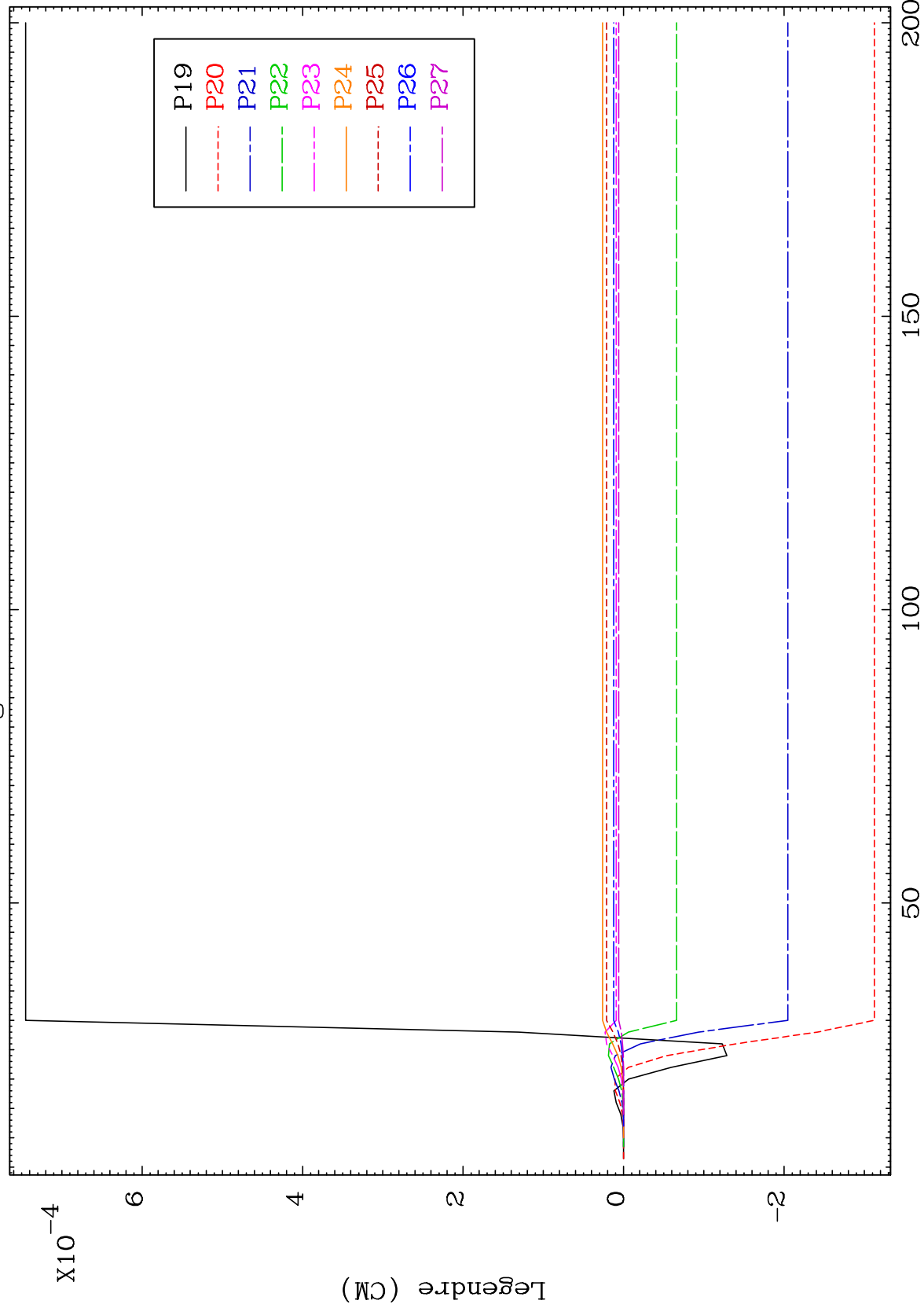




MAT 7310

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

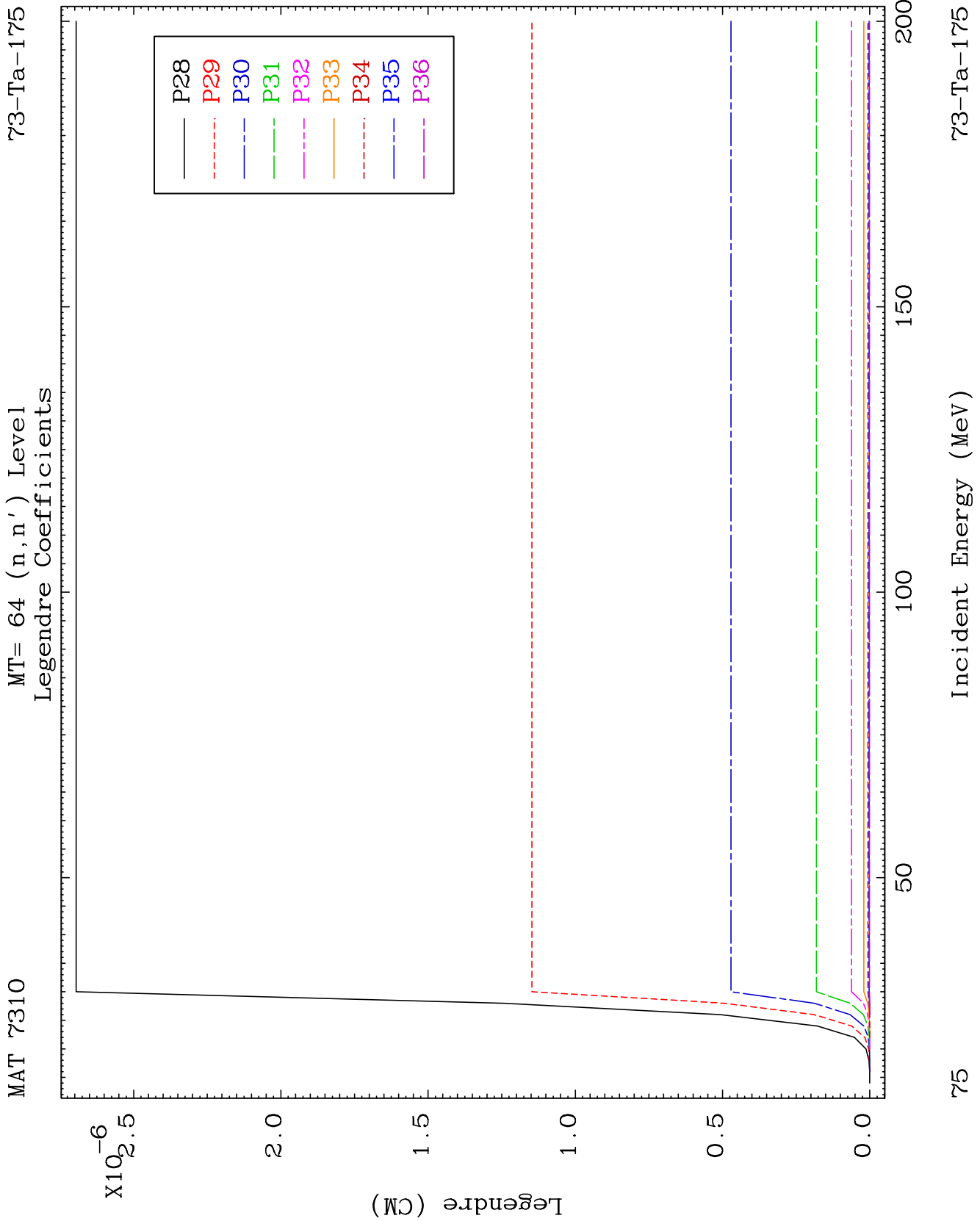
73-Ta-175

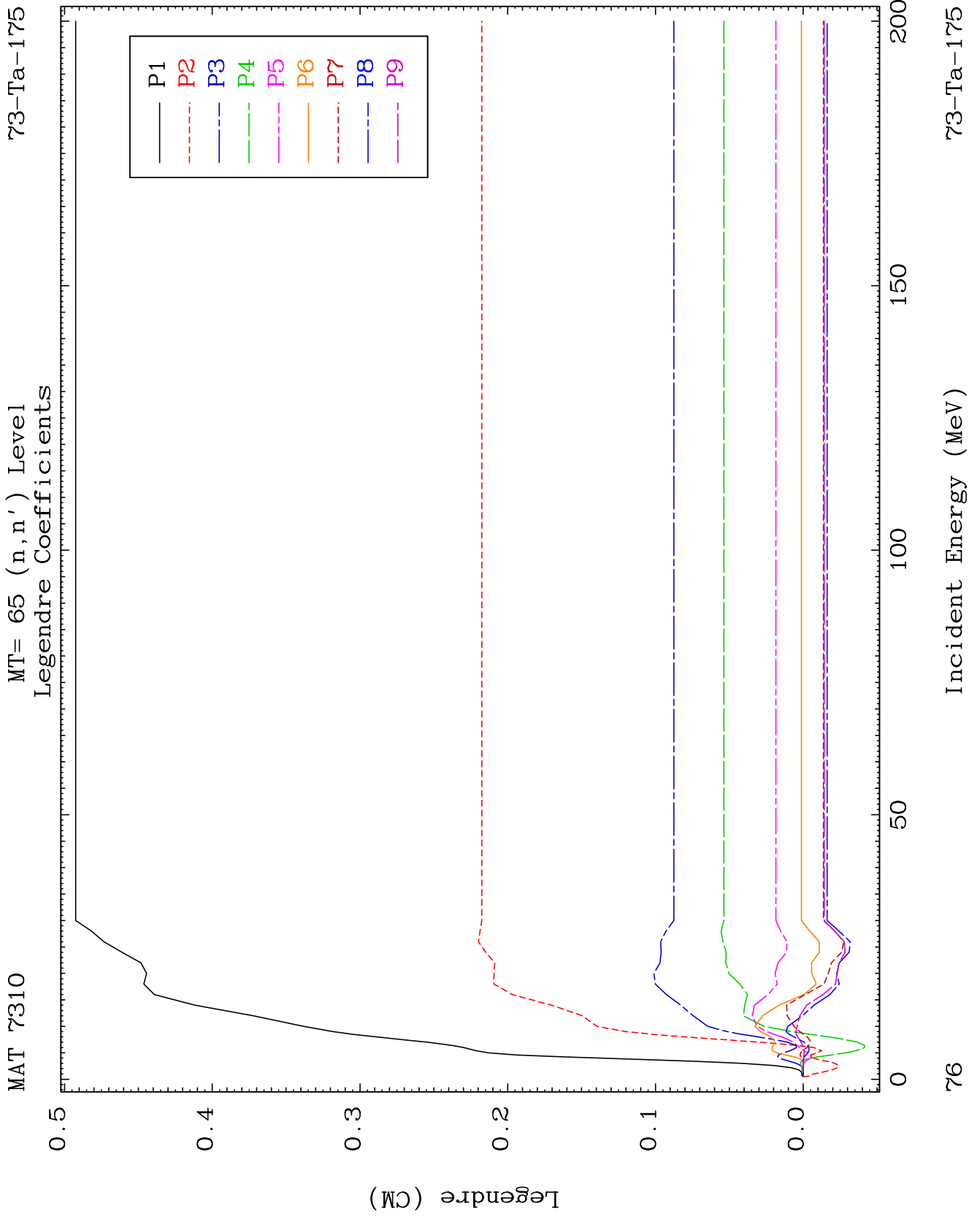


74

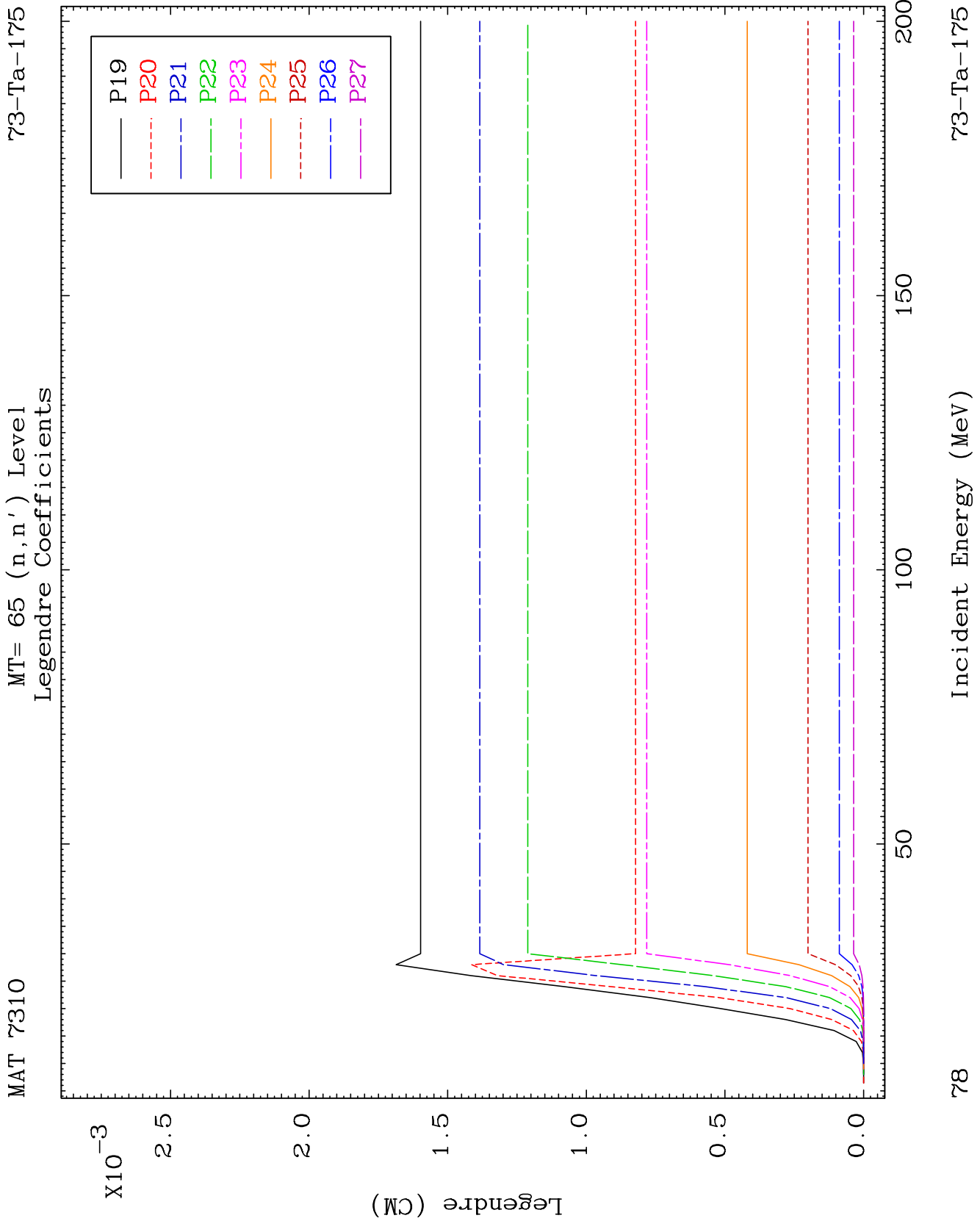
Incident Energy (MeV)

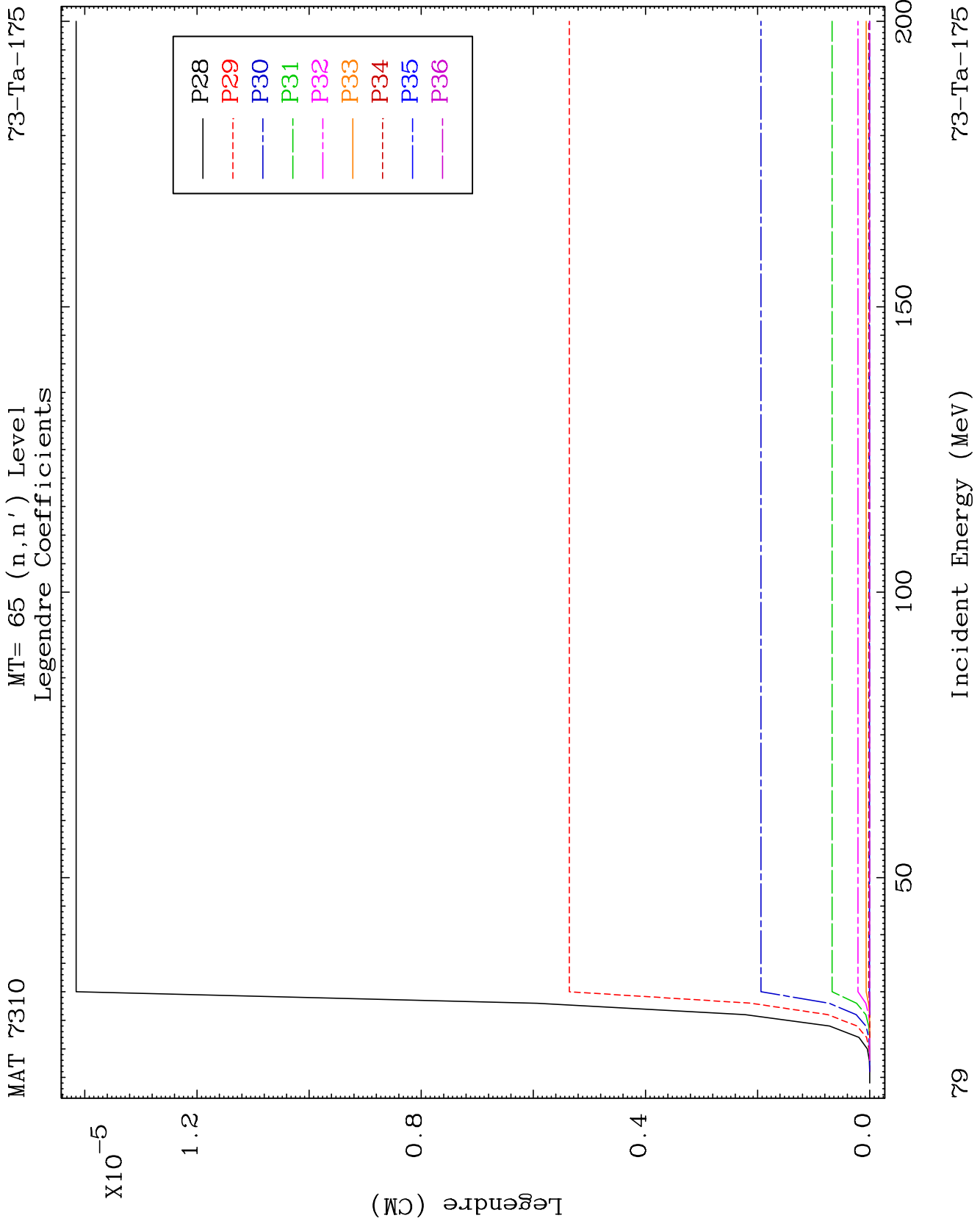
73-Ta-175













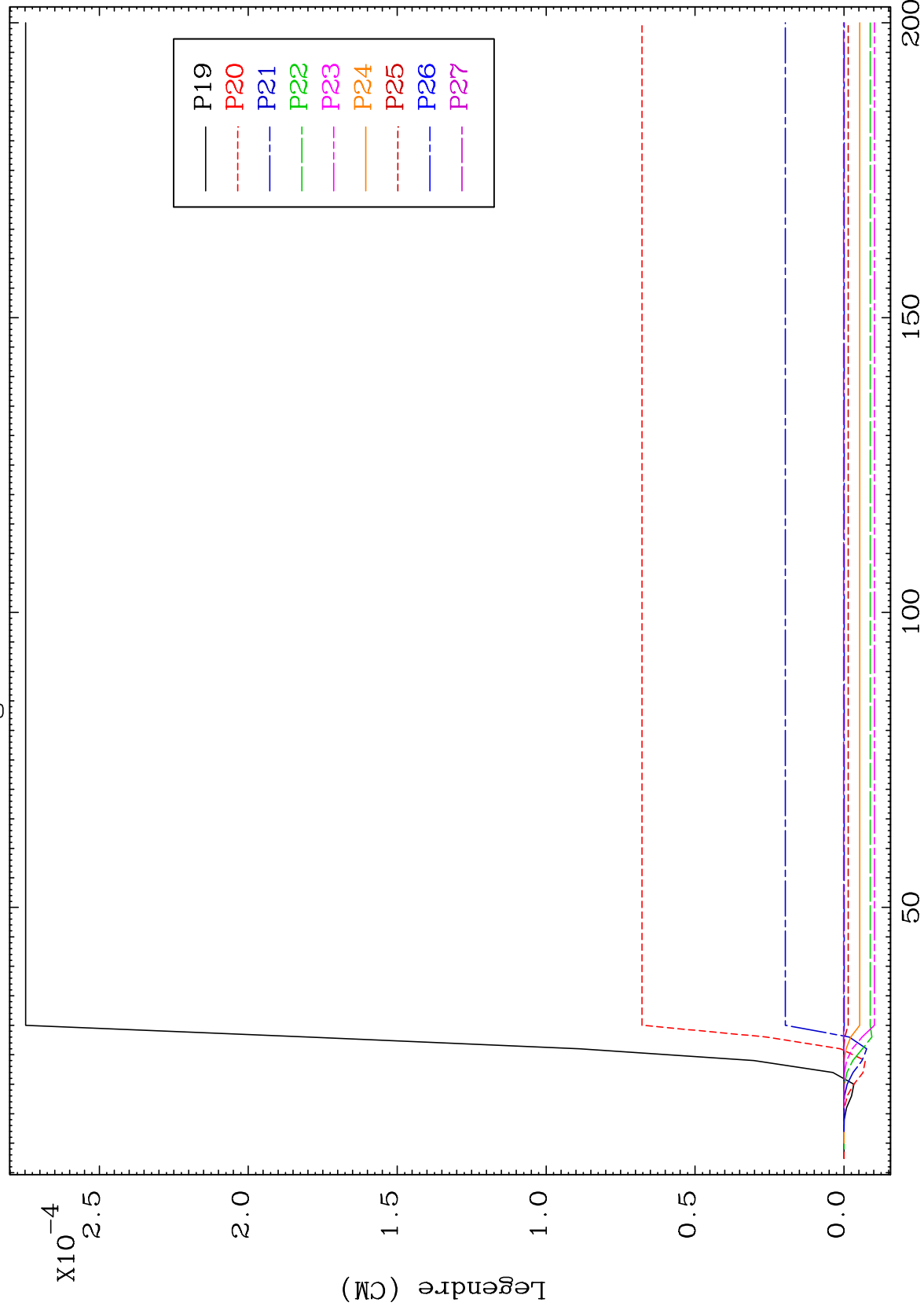




MAT 7310

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

73-Ta-175



82

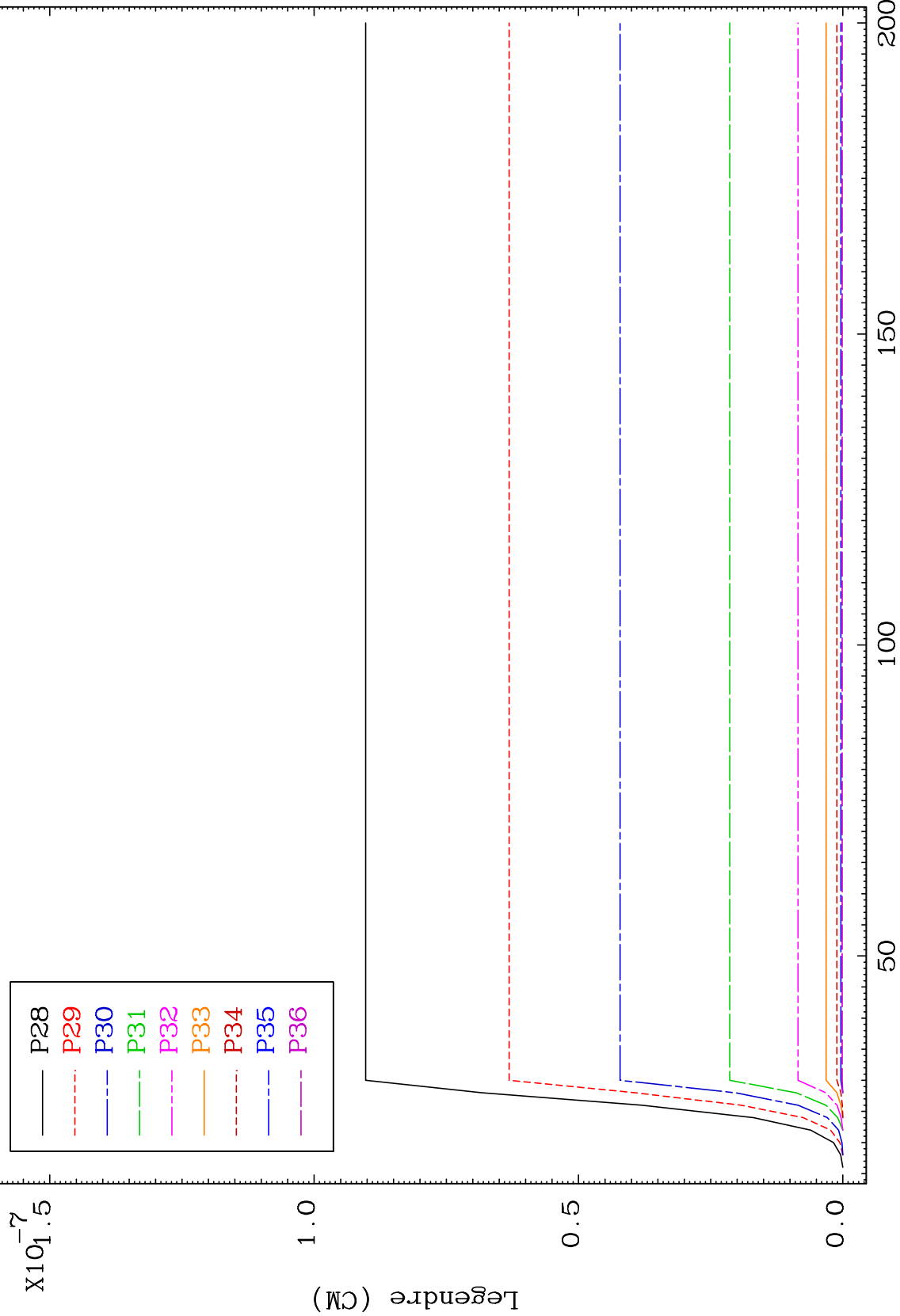
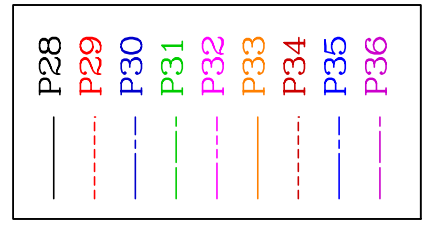
Incident Energy (MeV)

73-Ta-175

MAT 7310

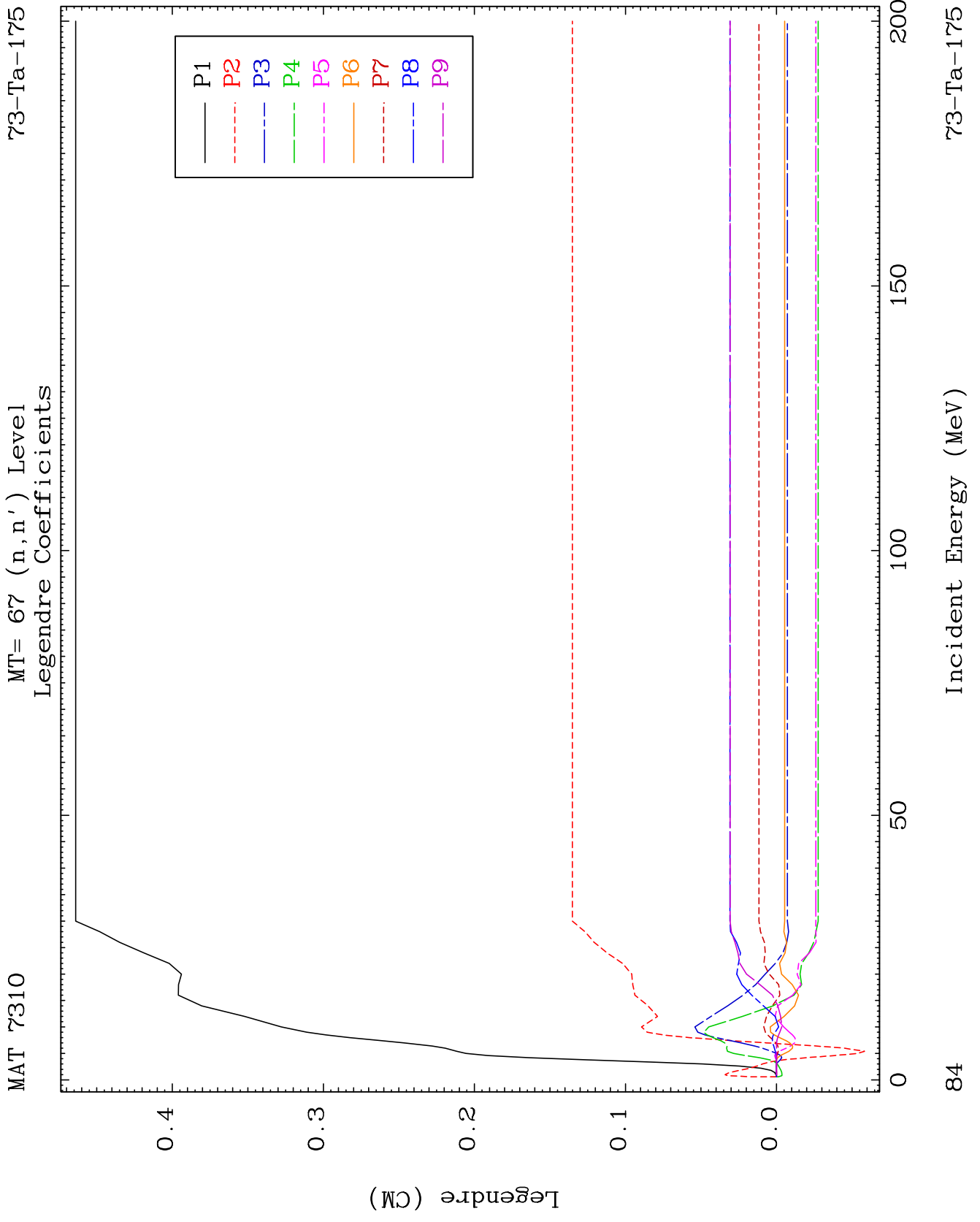
MT= 66 (n,n') Level  
Legendre Coefficients

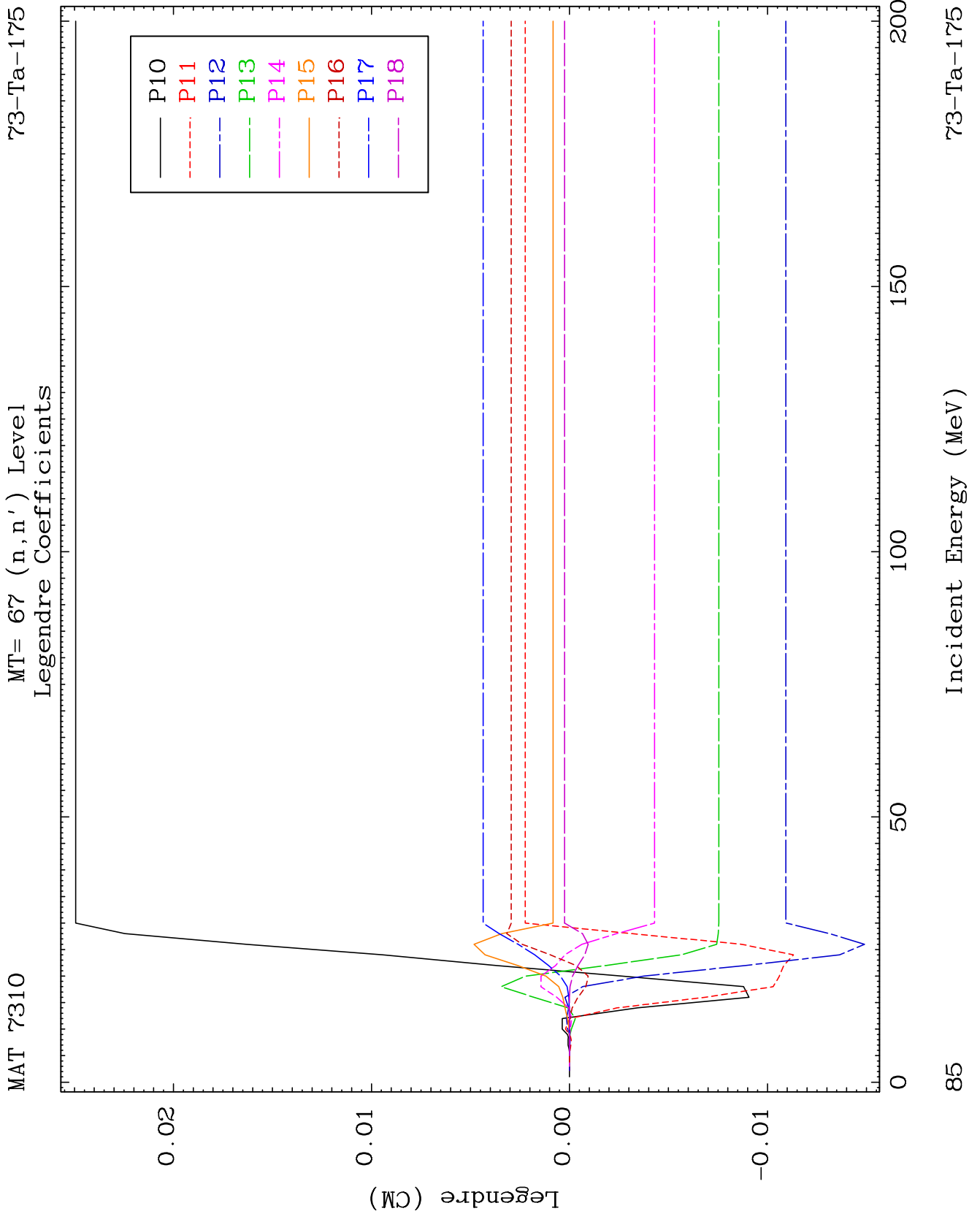
73-Ta-175



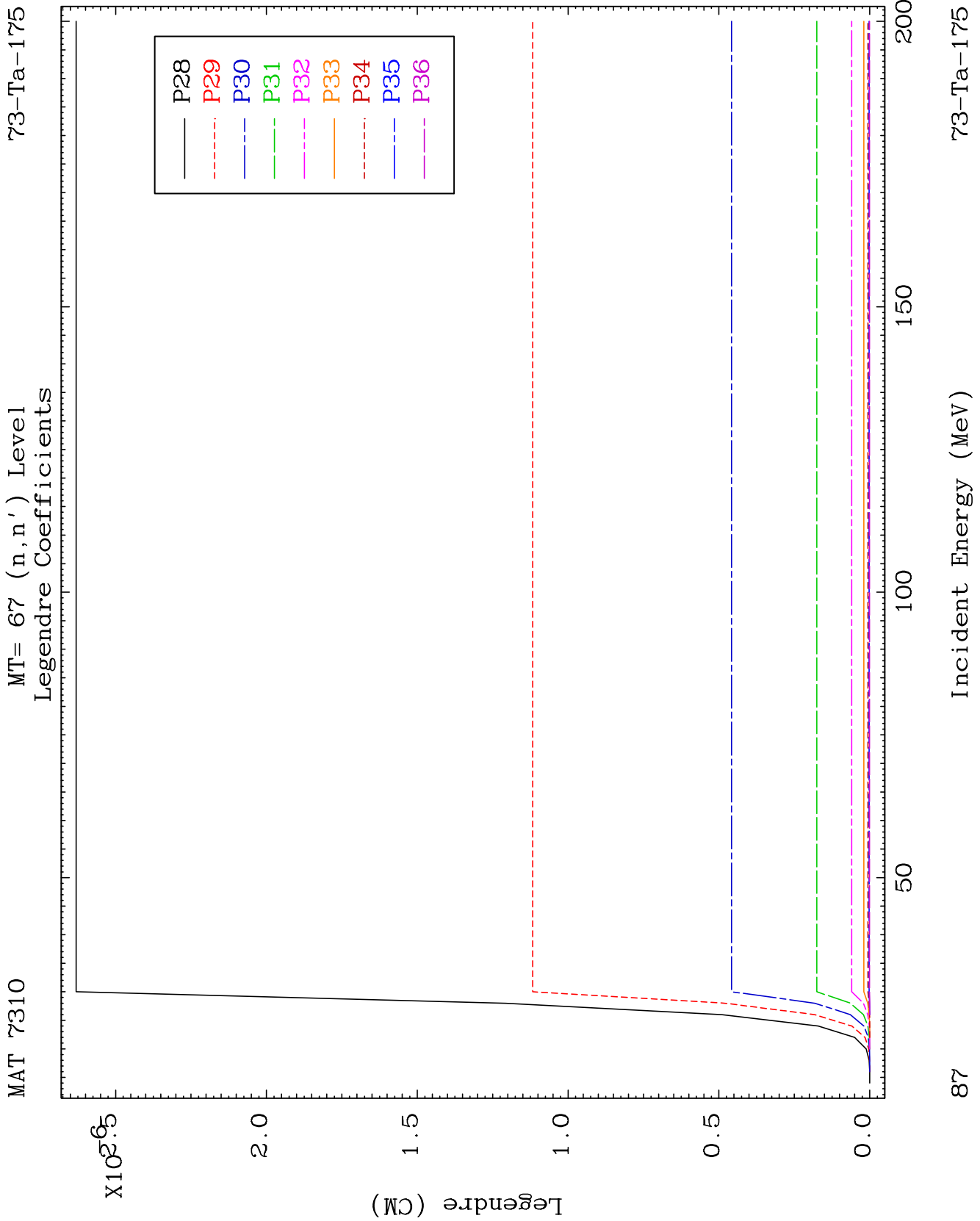
83

73-Ta-175











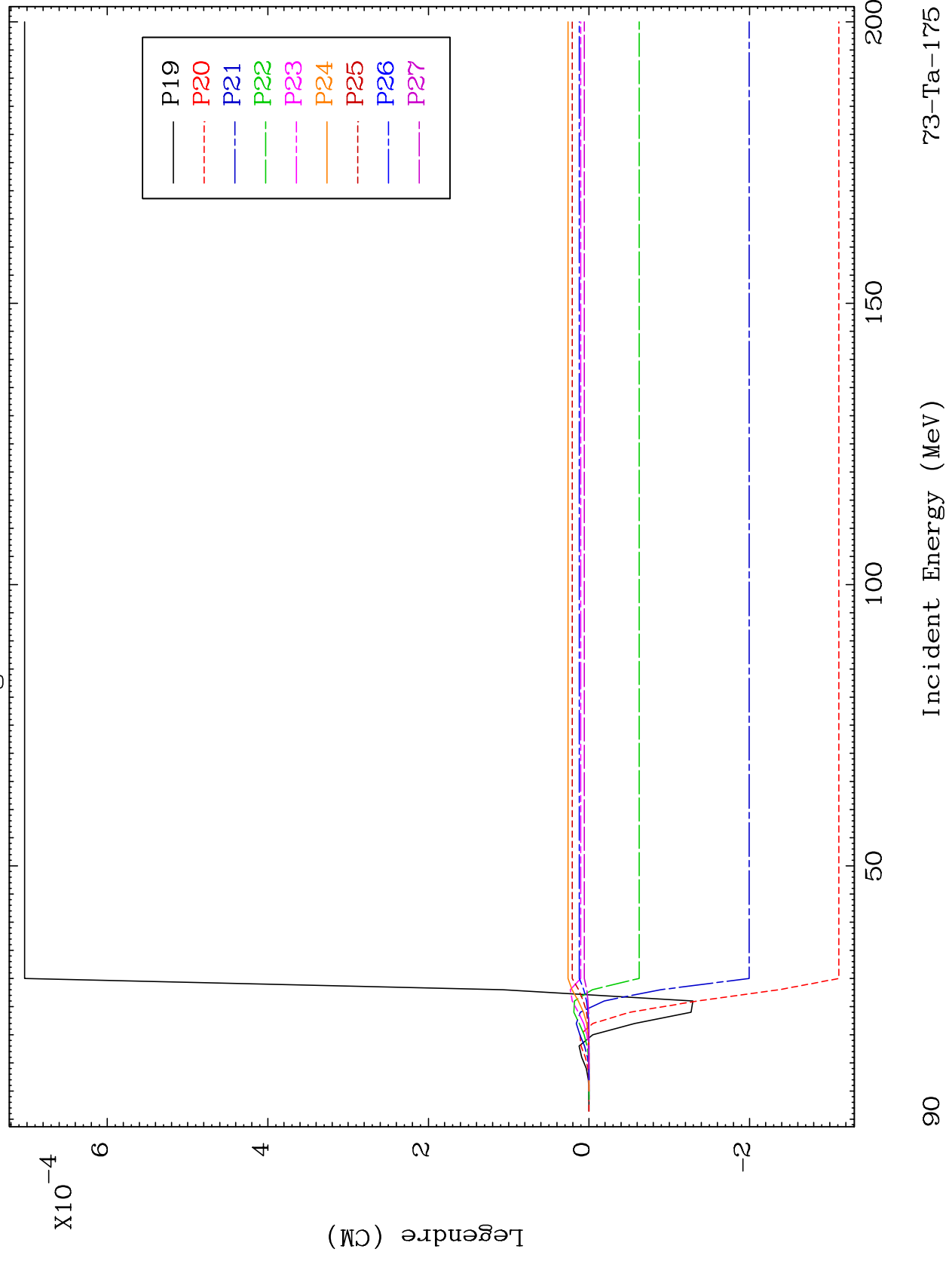




MAT 7310

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

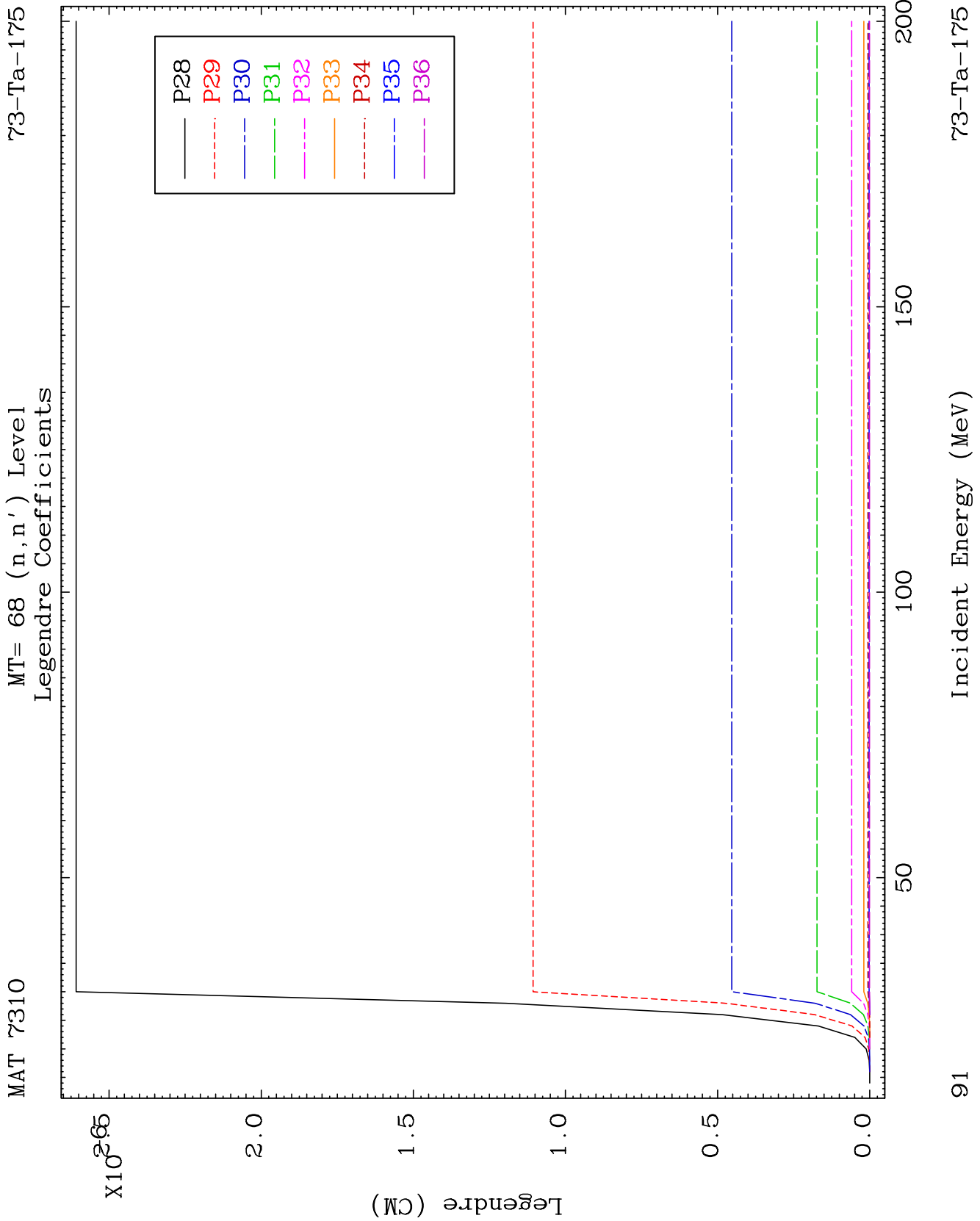
73-Ta-175

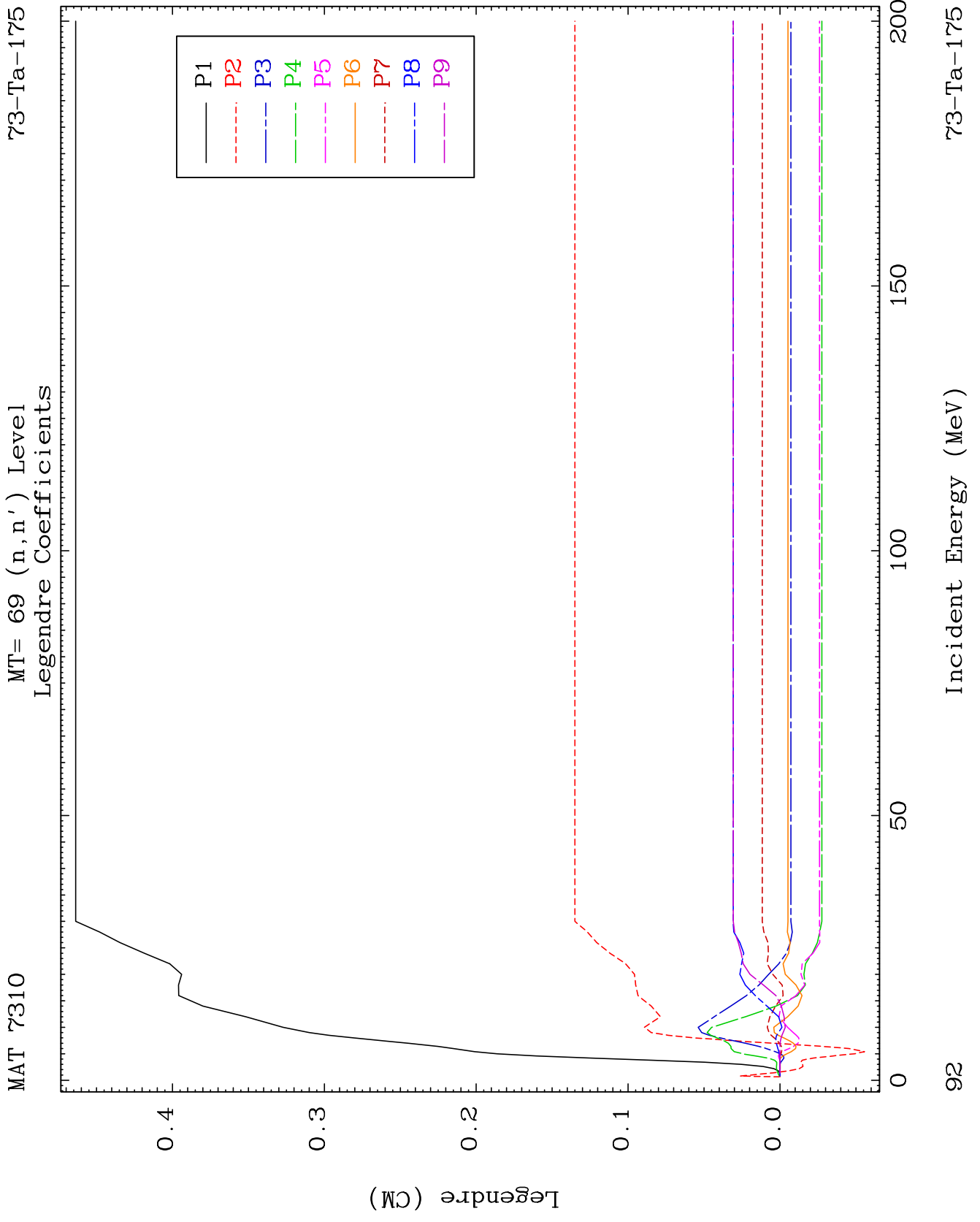


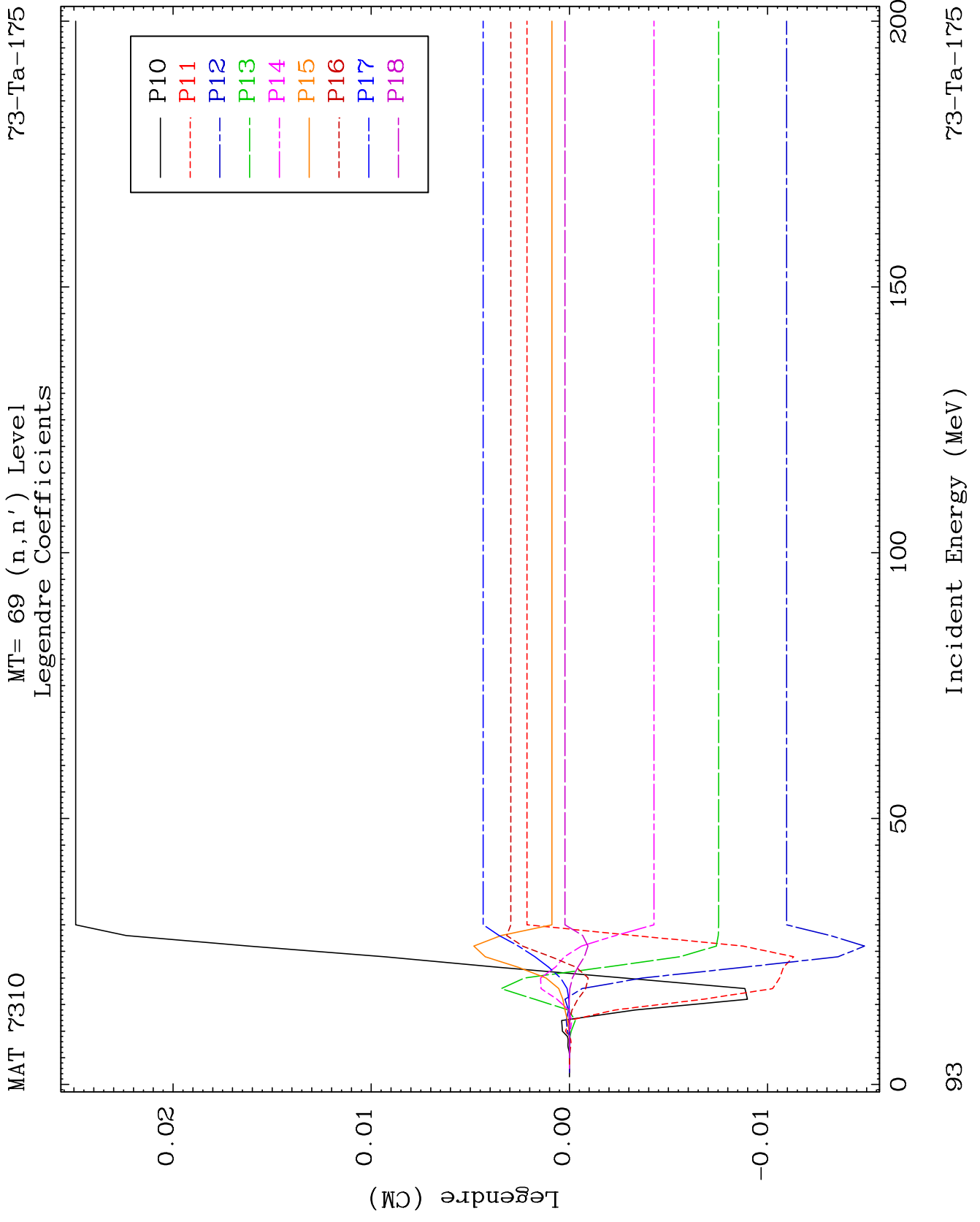
90

Incident Energy (MeV)

73-Ta-175



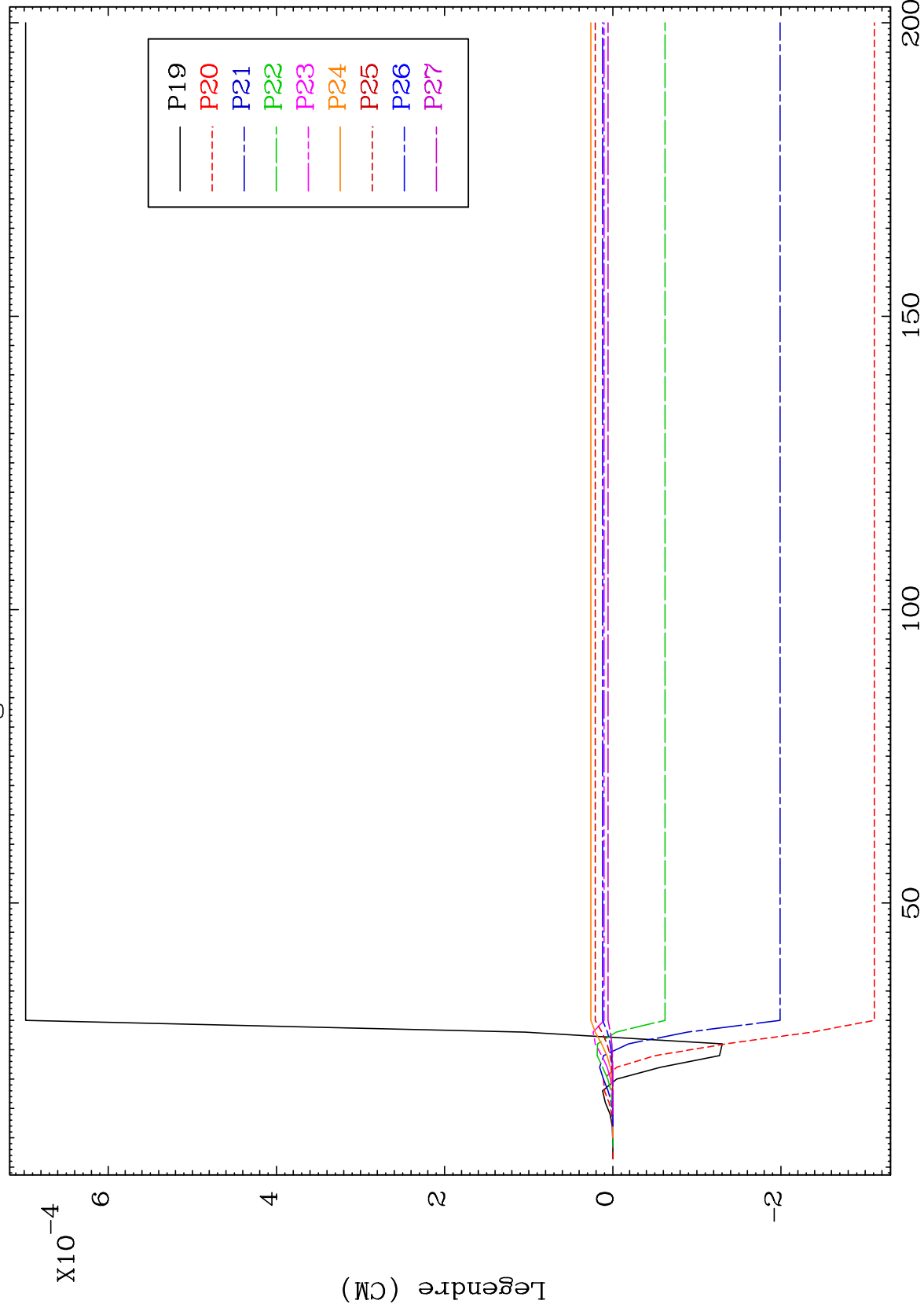




MAT 7310

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

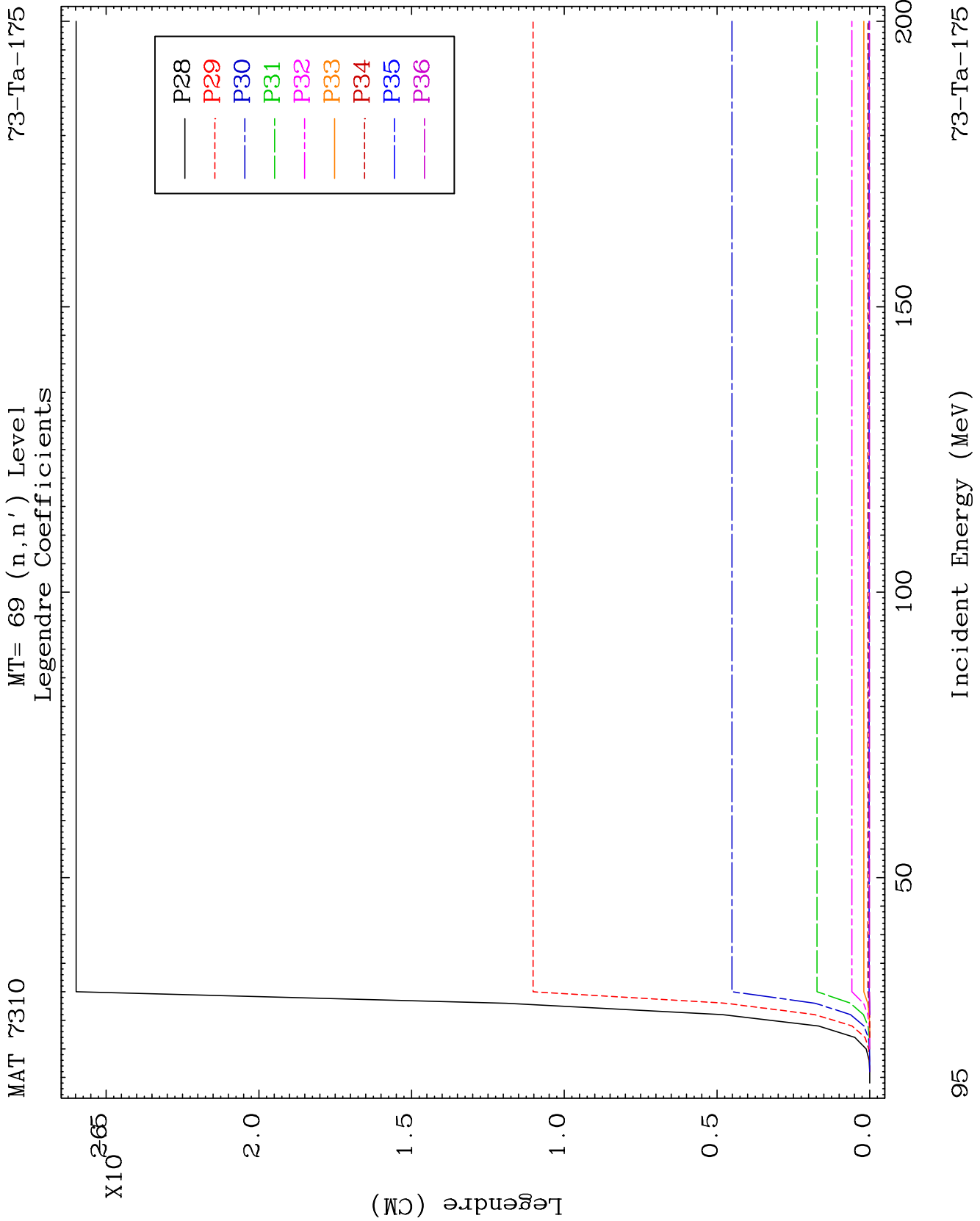
73-Ta-175



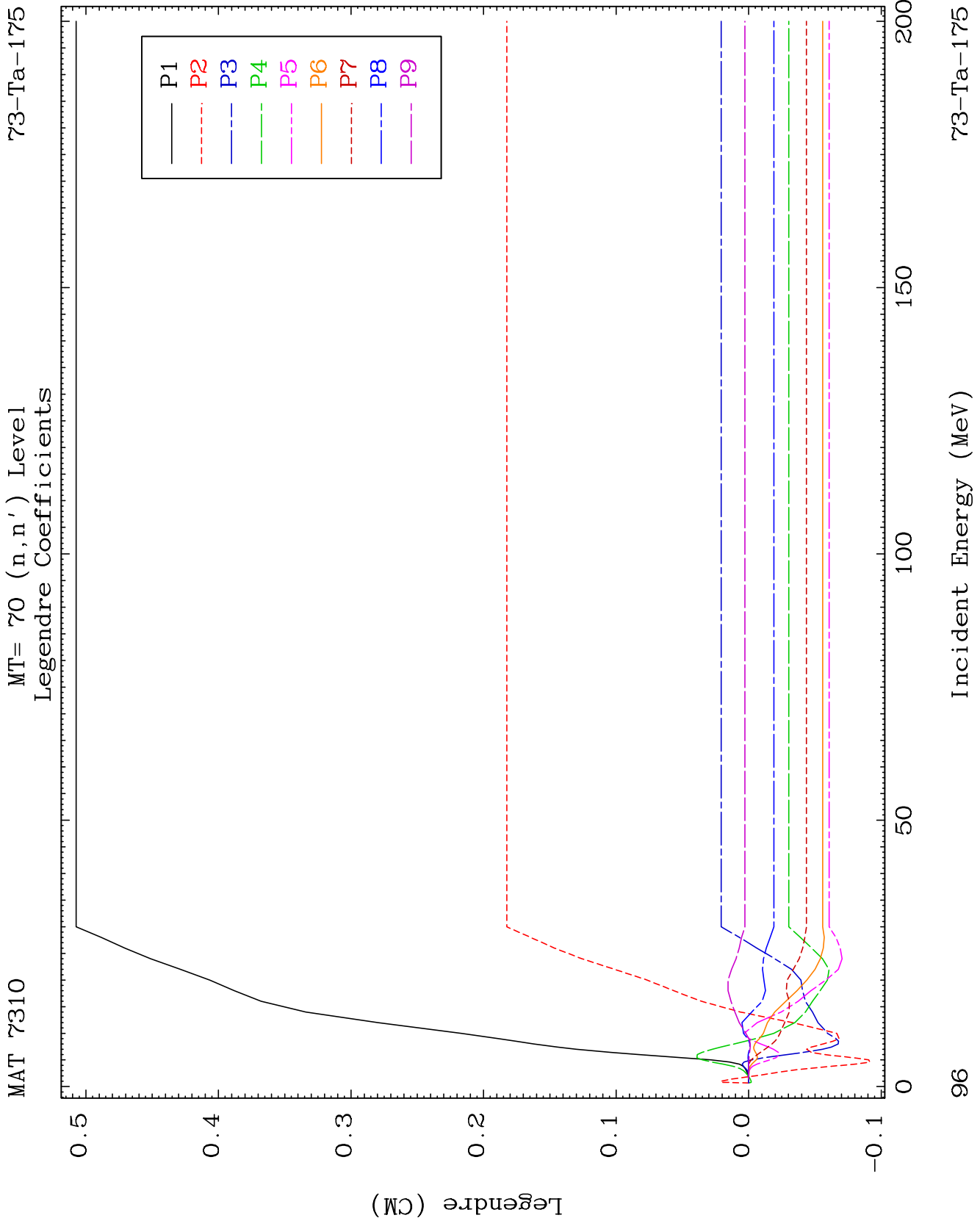
94

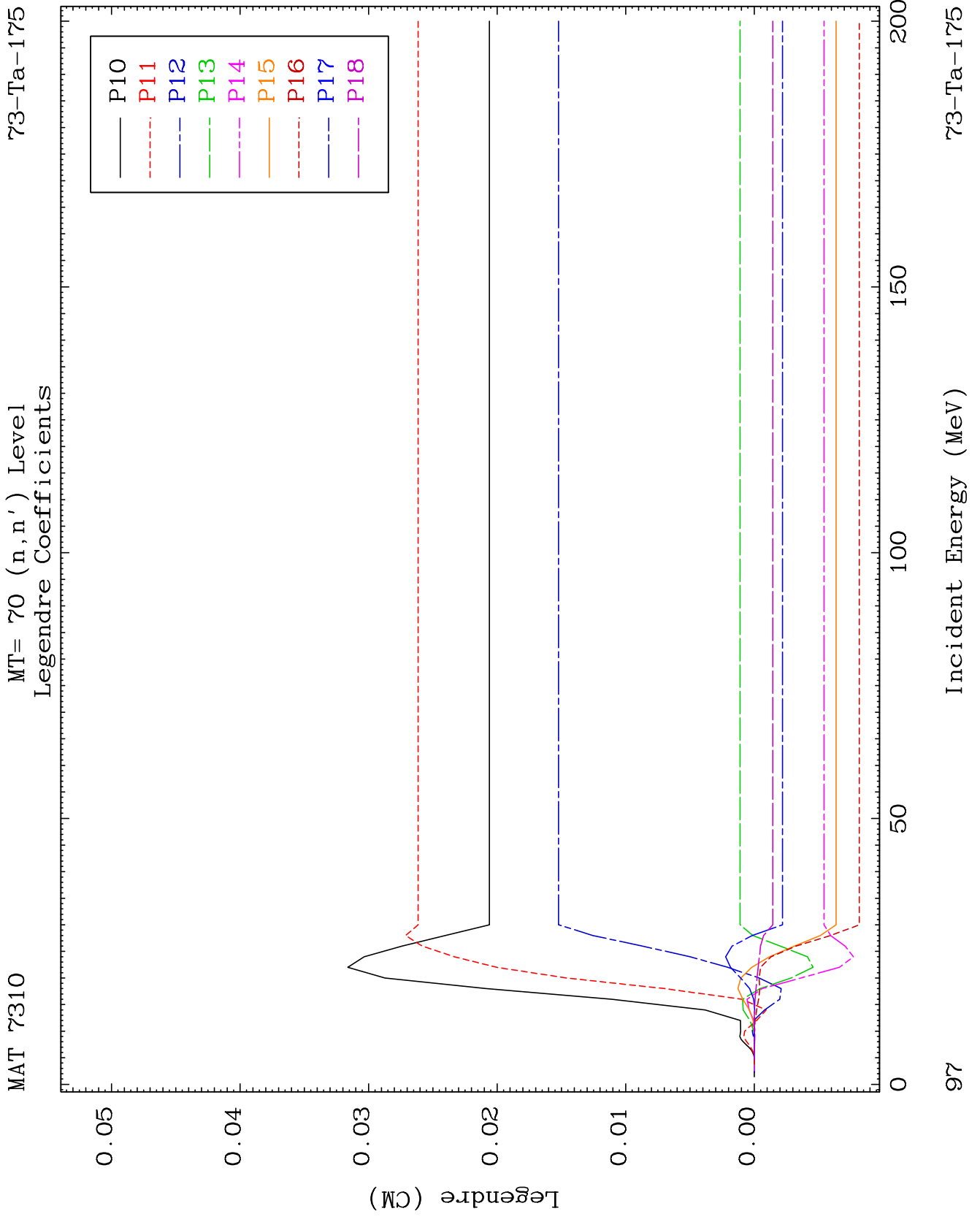
Incident Energy (MeV)

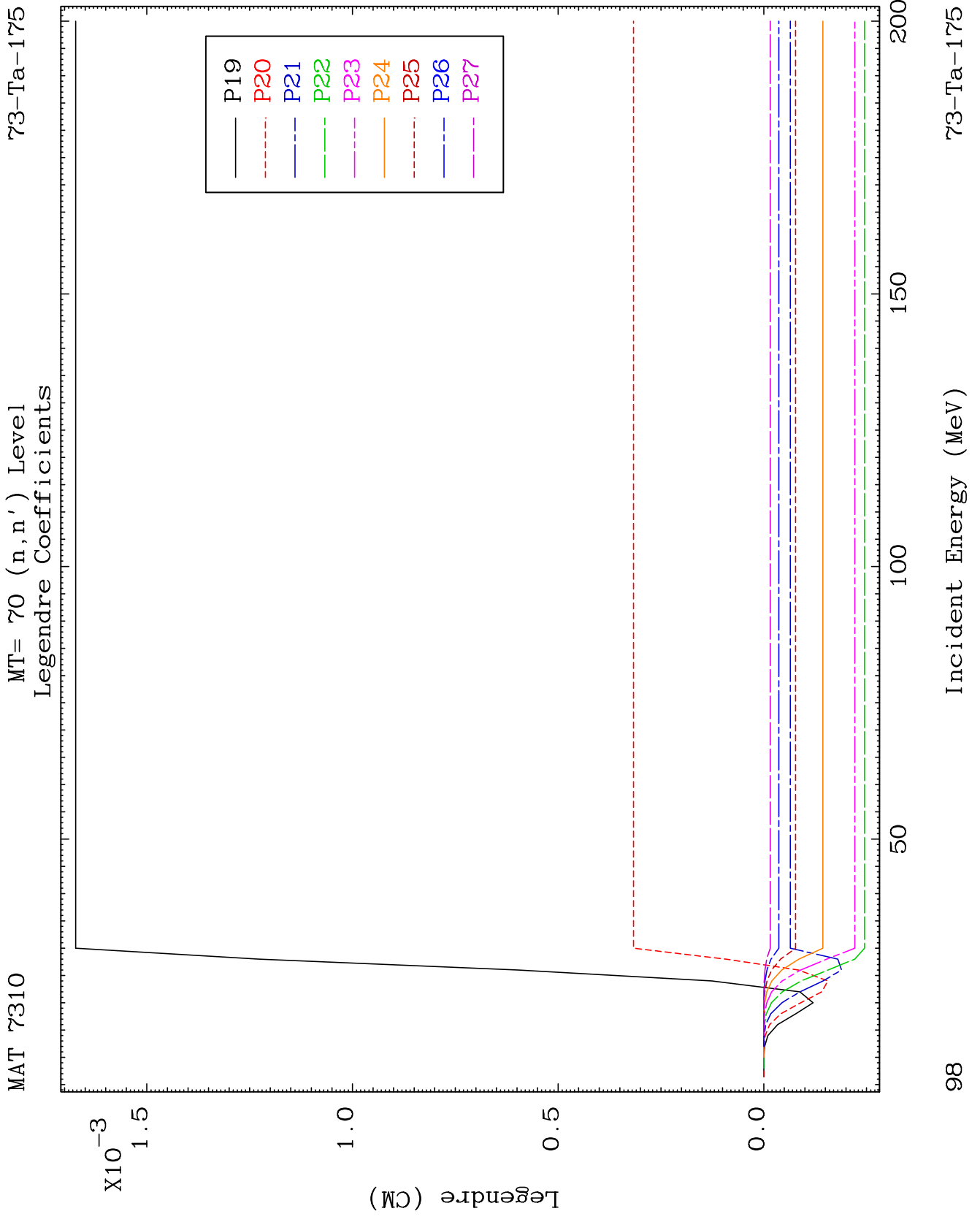
73-Ta-175

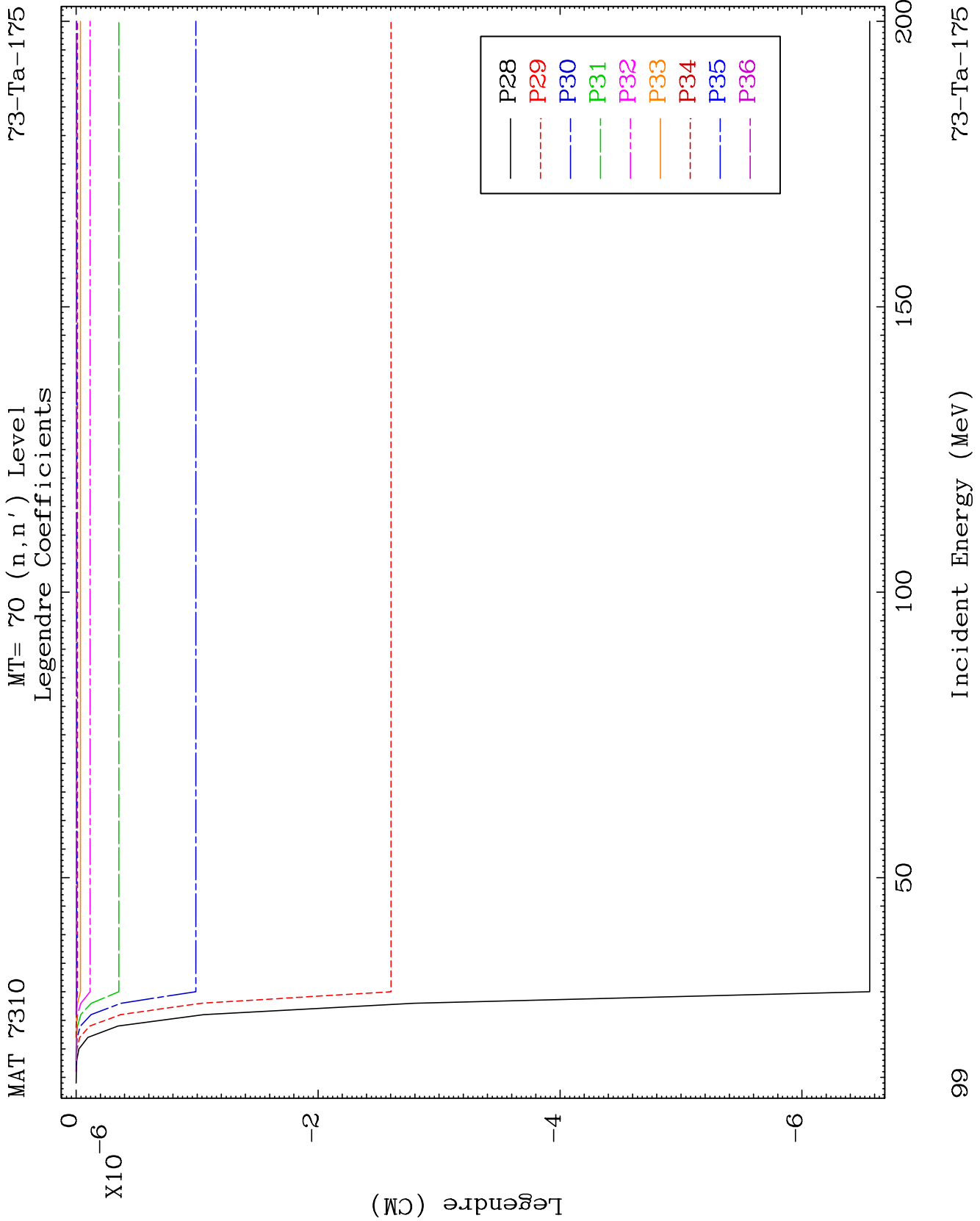


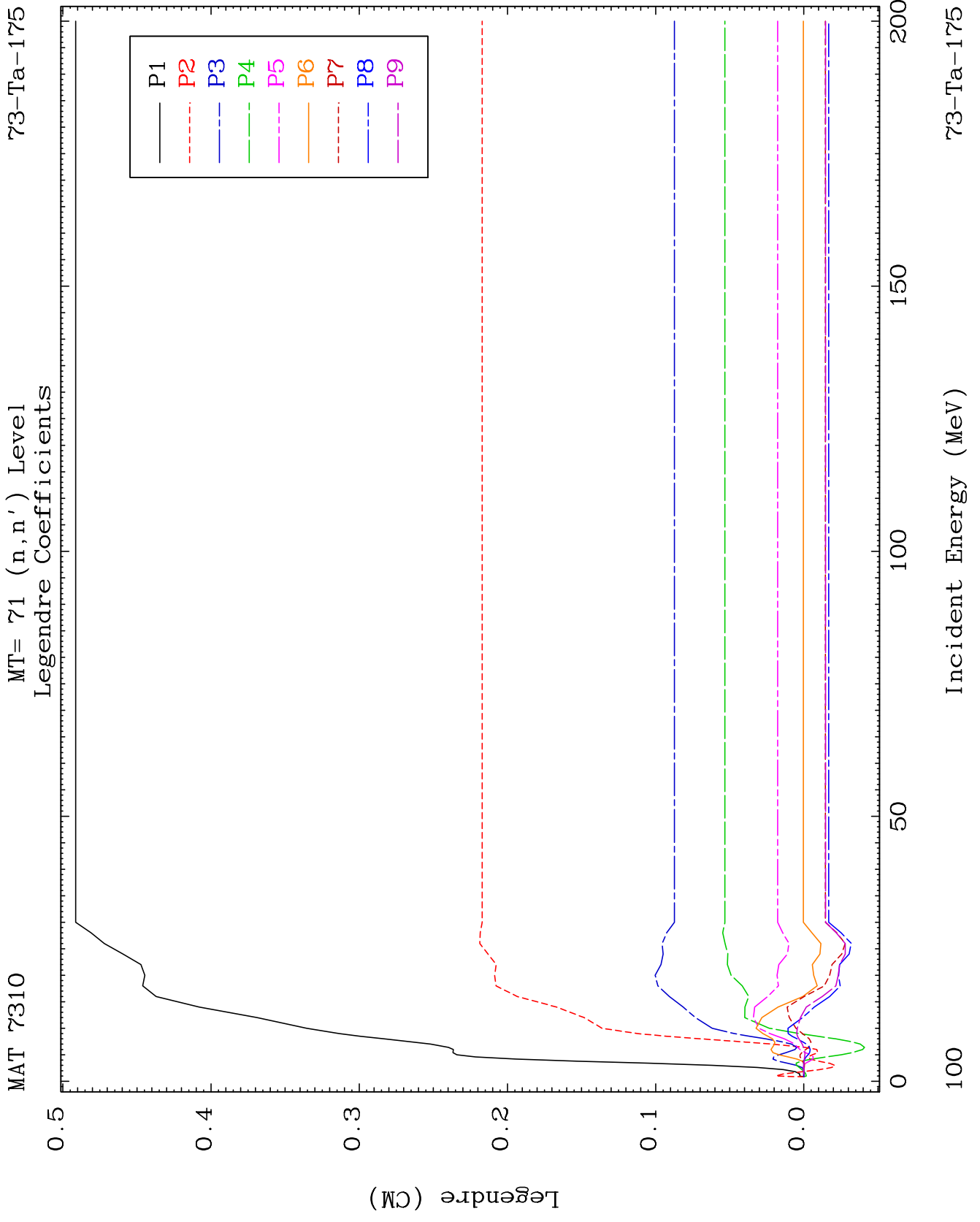




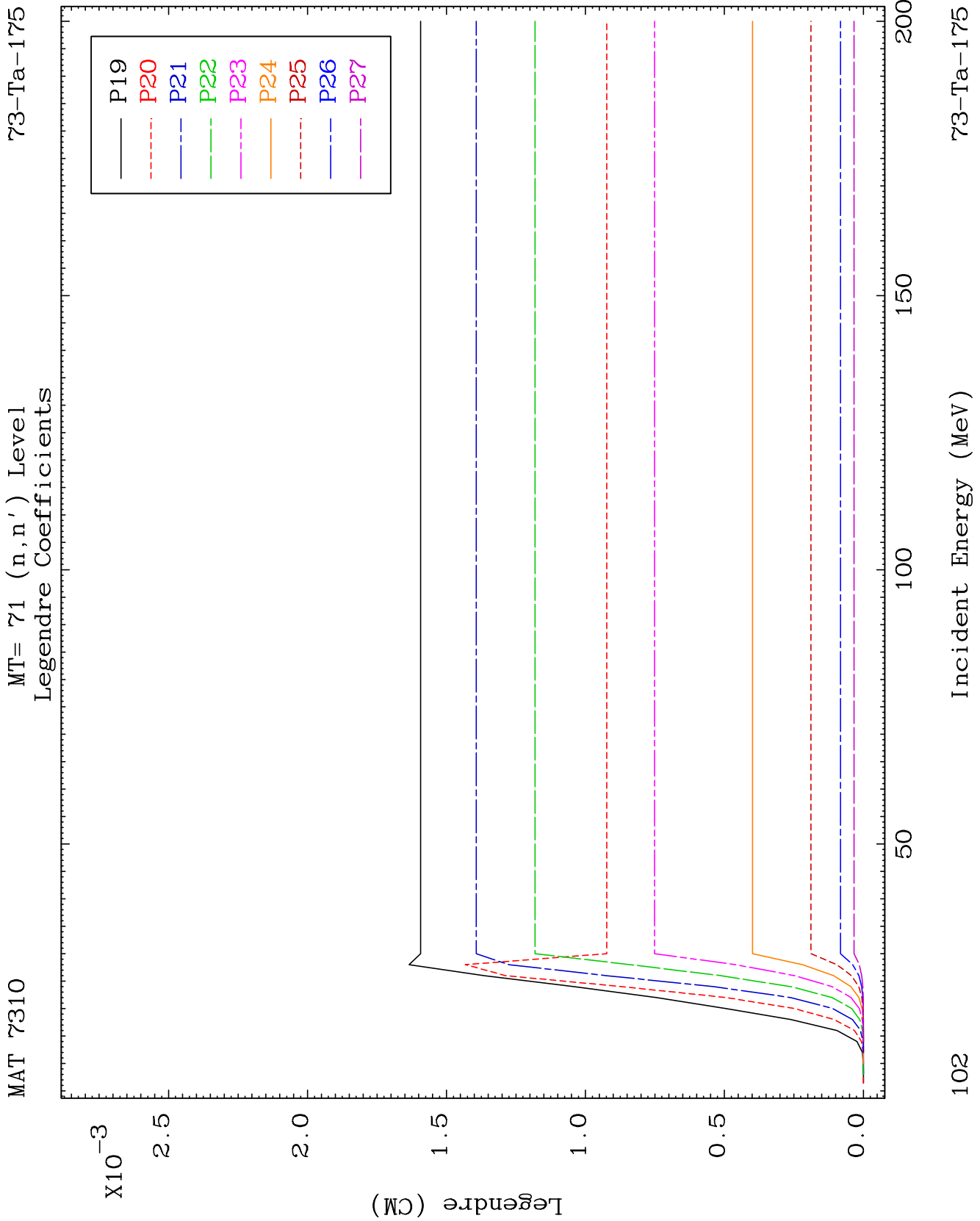


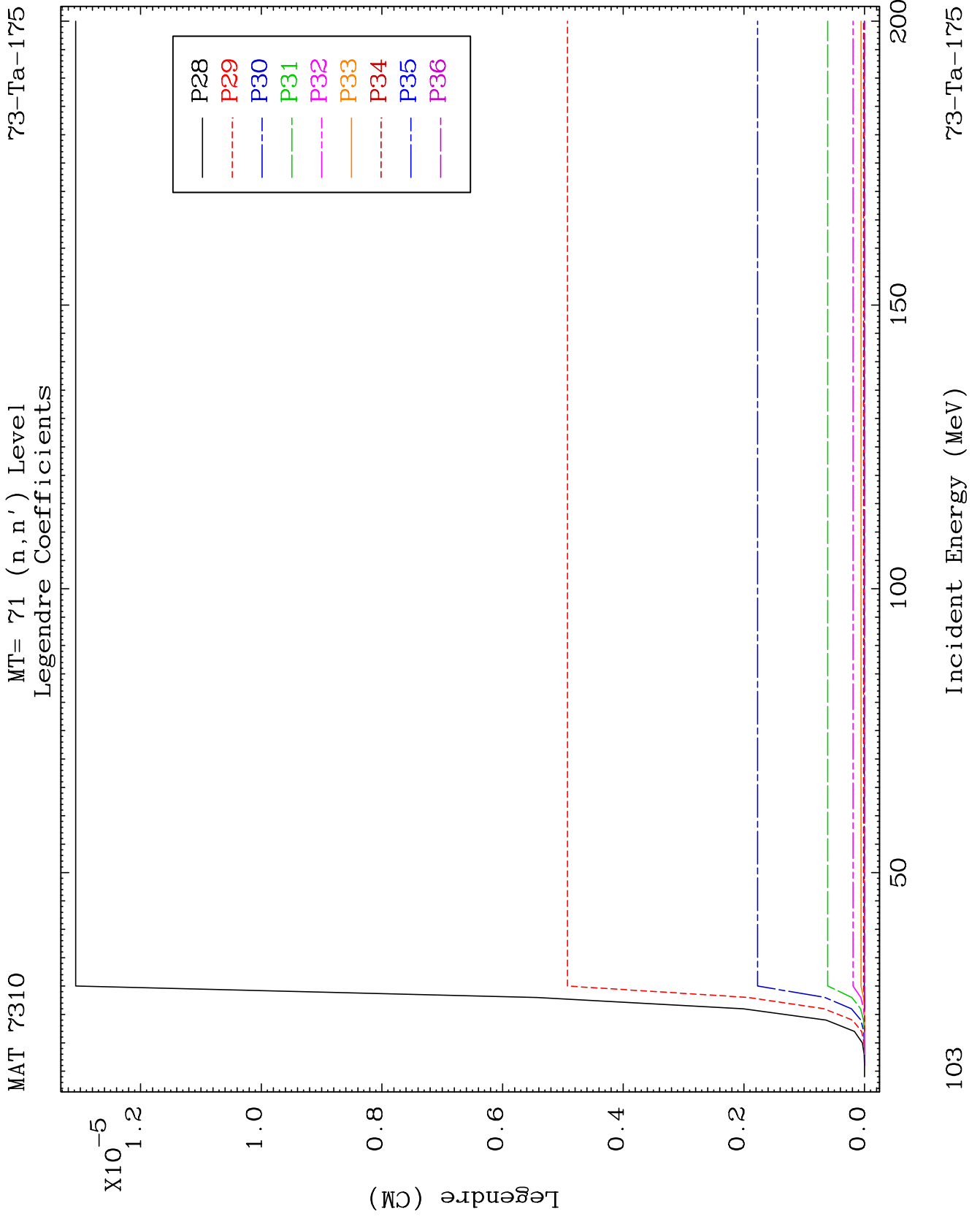












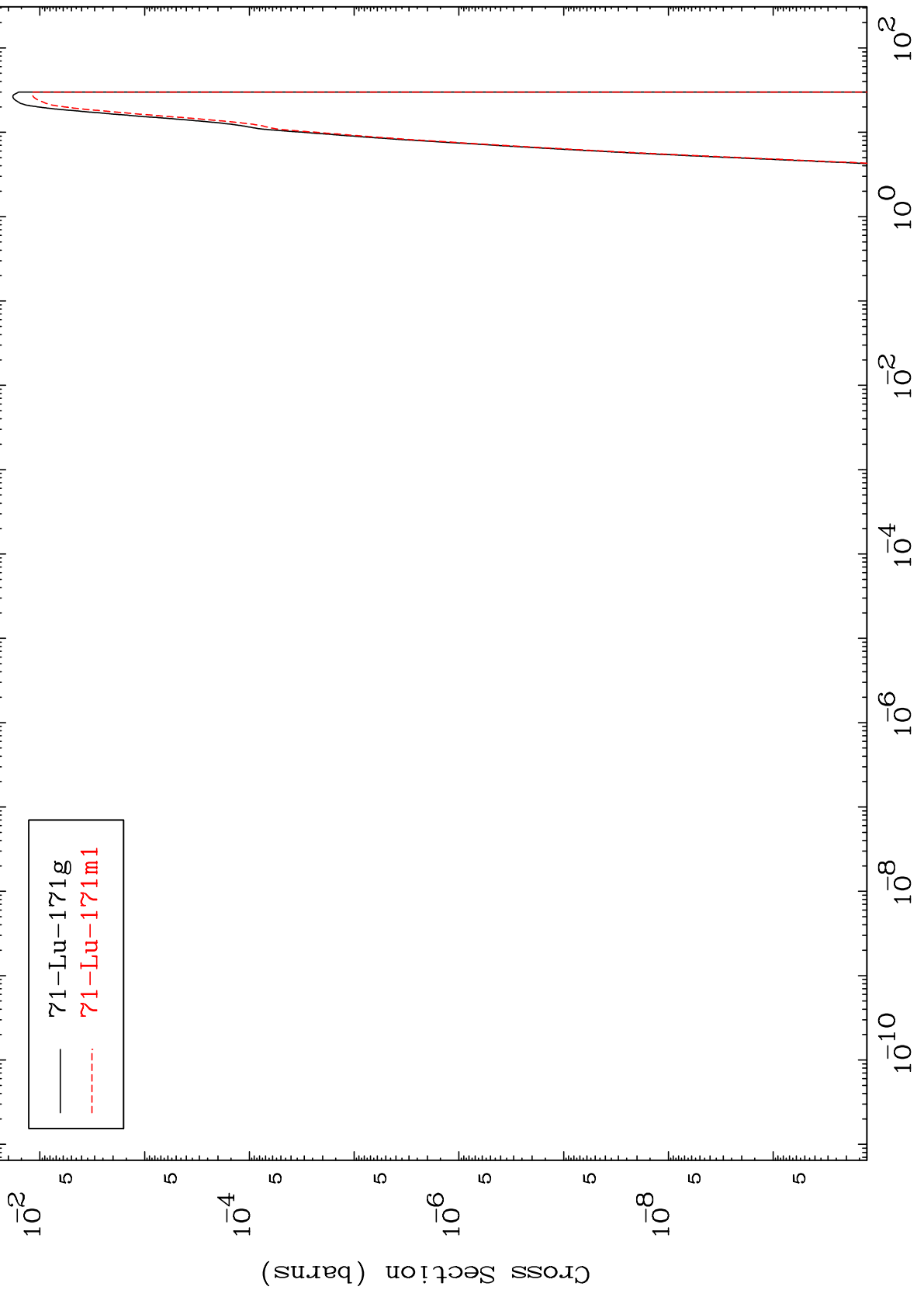


MAT 7310

$(n, n') \alpha$

73-Ta-175

Radionuclide Production Cross Section



104

Incident Energy (MeV)

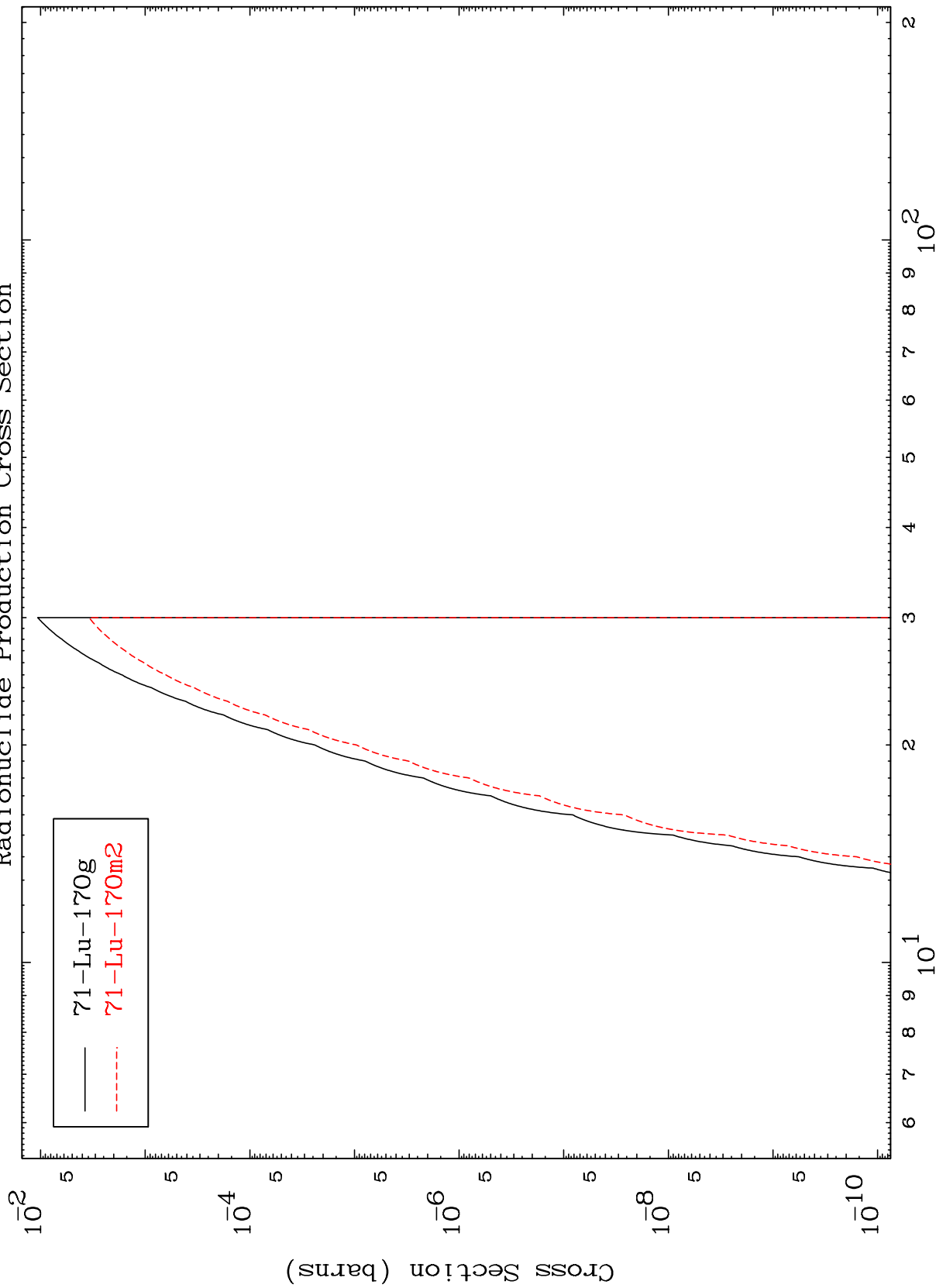
73-Ta-175

MAT 7310

$(n, 2n) \alpha$

$^{73}\text{Ta-175}$

Radionuclide Production Cross Section



71-Lu-170g  
71-Lu-170m2

105

Incident Energy (MeV)

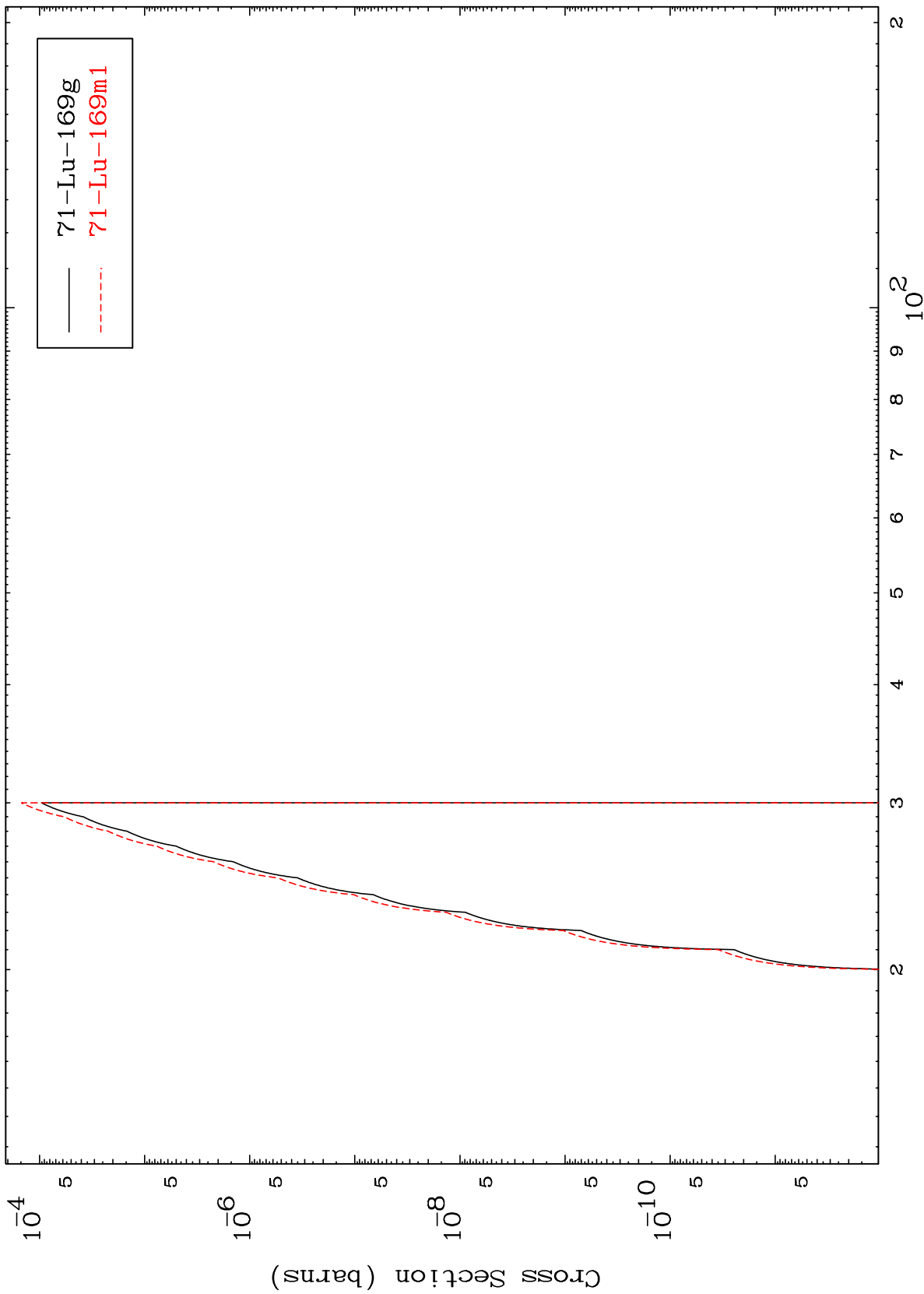
$^{73}\text{Ta-175}$

MAT 7310

(n,3n)  $\alpha$

73-Ta-175

Radionuclide Production Cross Section



106

Incident Energy (MeV)

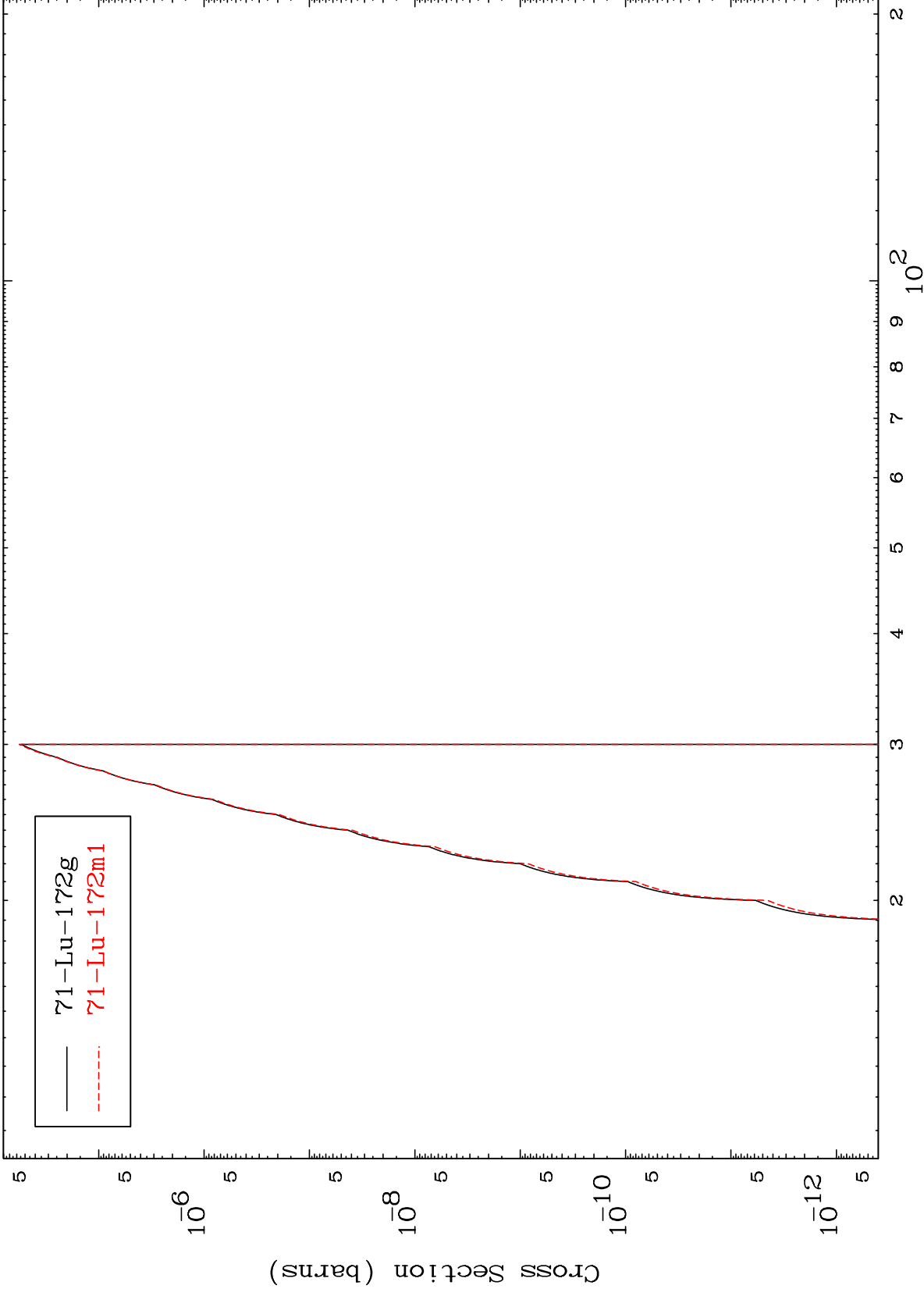
73-Ta-175

MAT 7310

(n,n') He-3

73-Ta-175

Radionuclide Production Cross Section



107

Incident Energy (MeV)

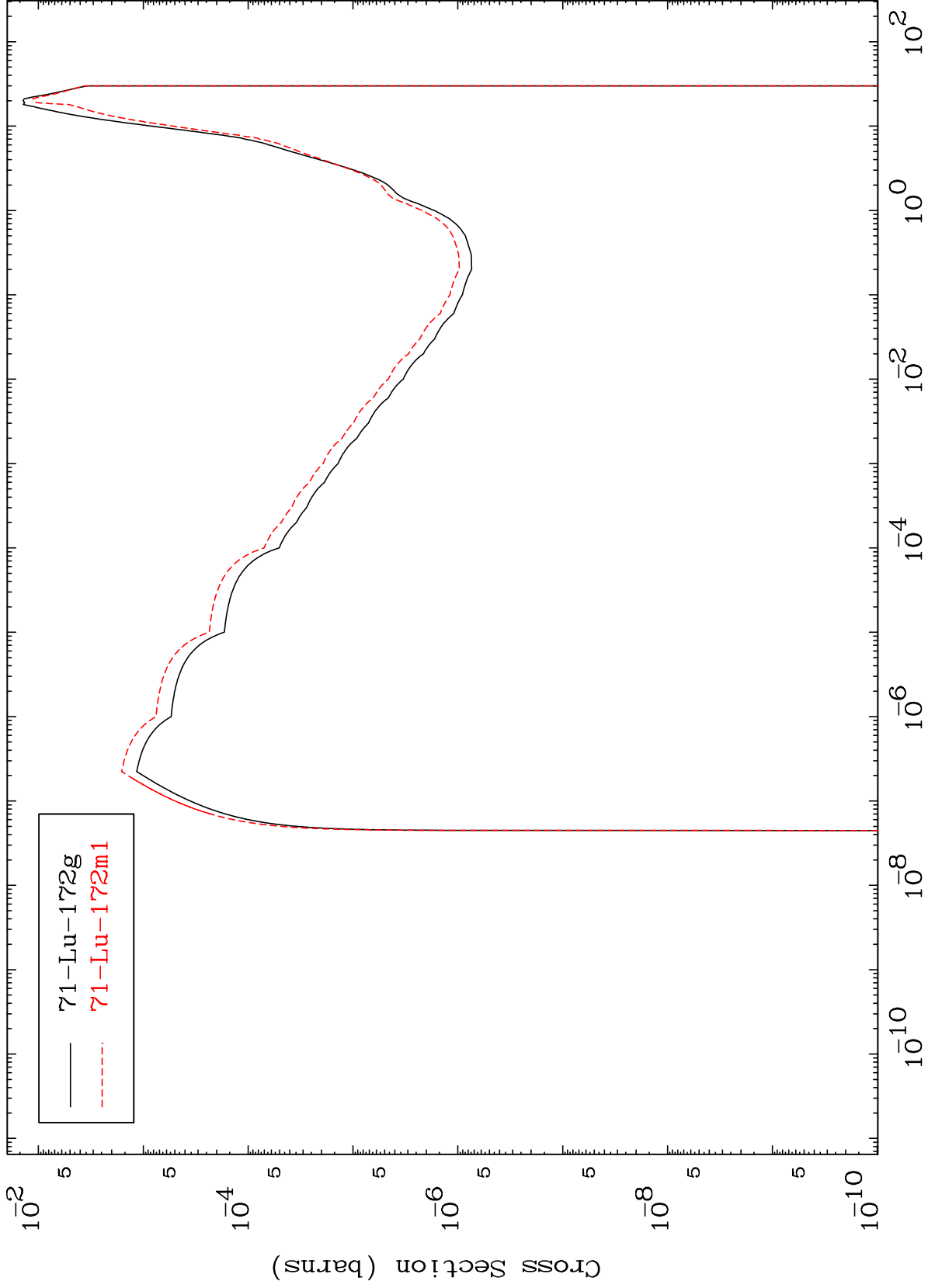
73-Ta-175

MAT 7310

(n,  $\alpha$ )

<sup>73</sup>Ta-175

Radionuclide Production Cross Section

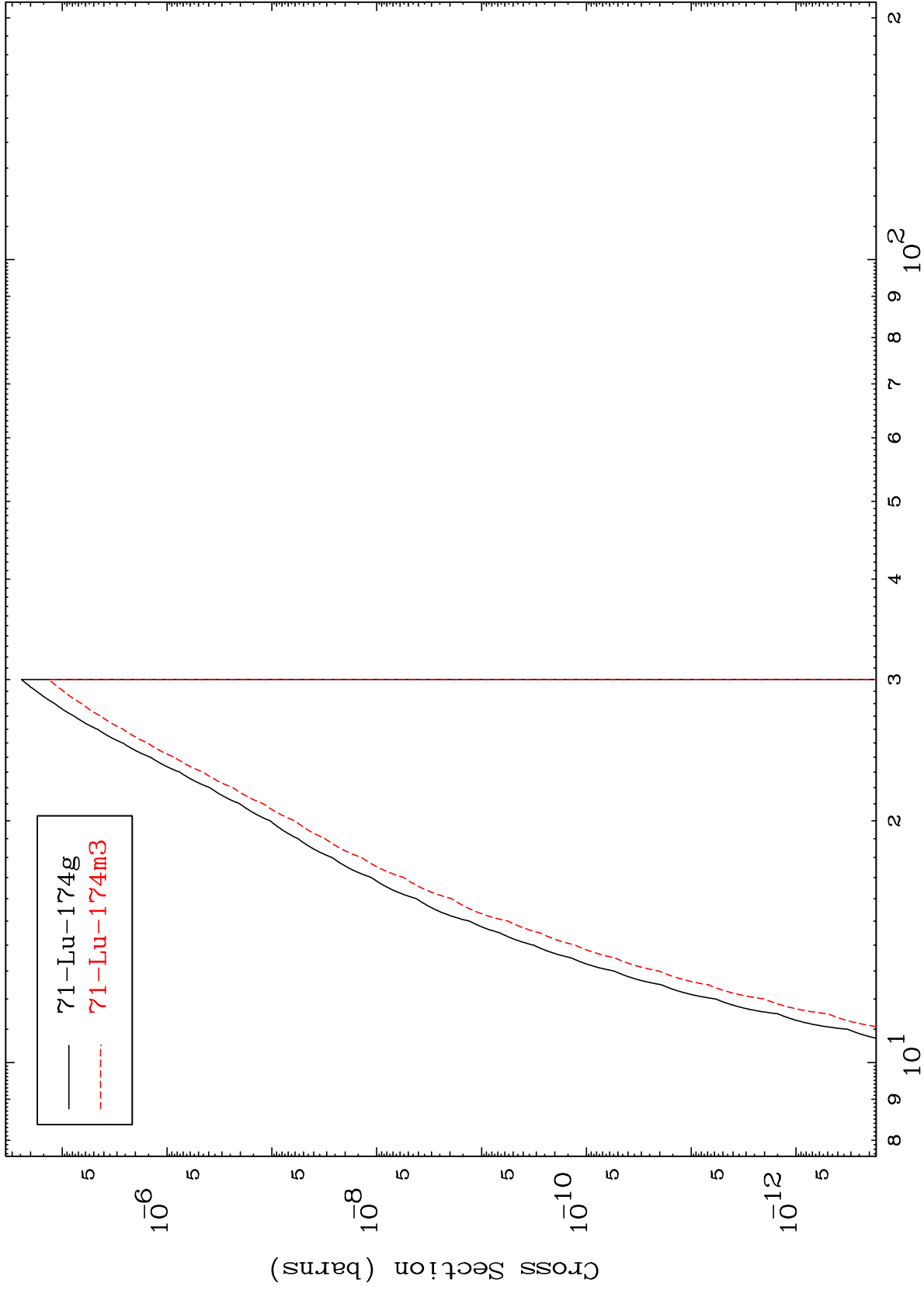


— 71-Lu-172g  
- - - 71-Lu-172m1

MAT 7310

<sup>73</sup>Ta-175

Radionuclide Production Cross Section (n,2p)



109

Incident Energy (MeV)

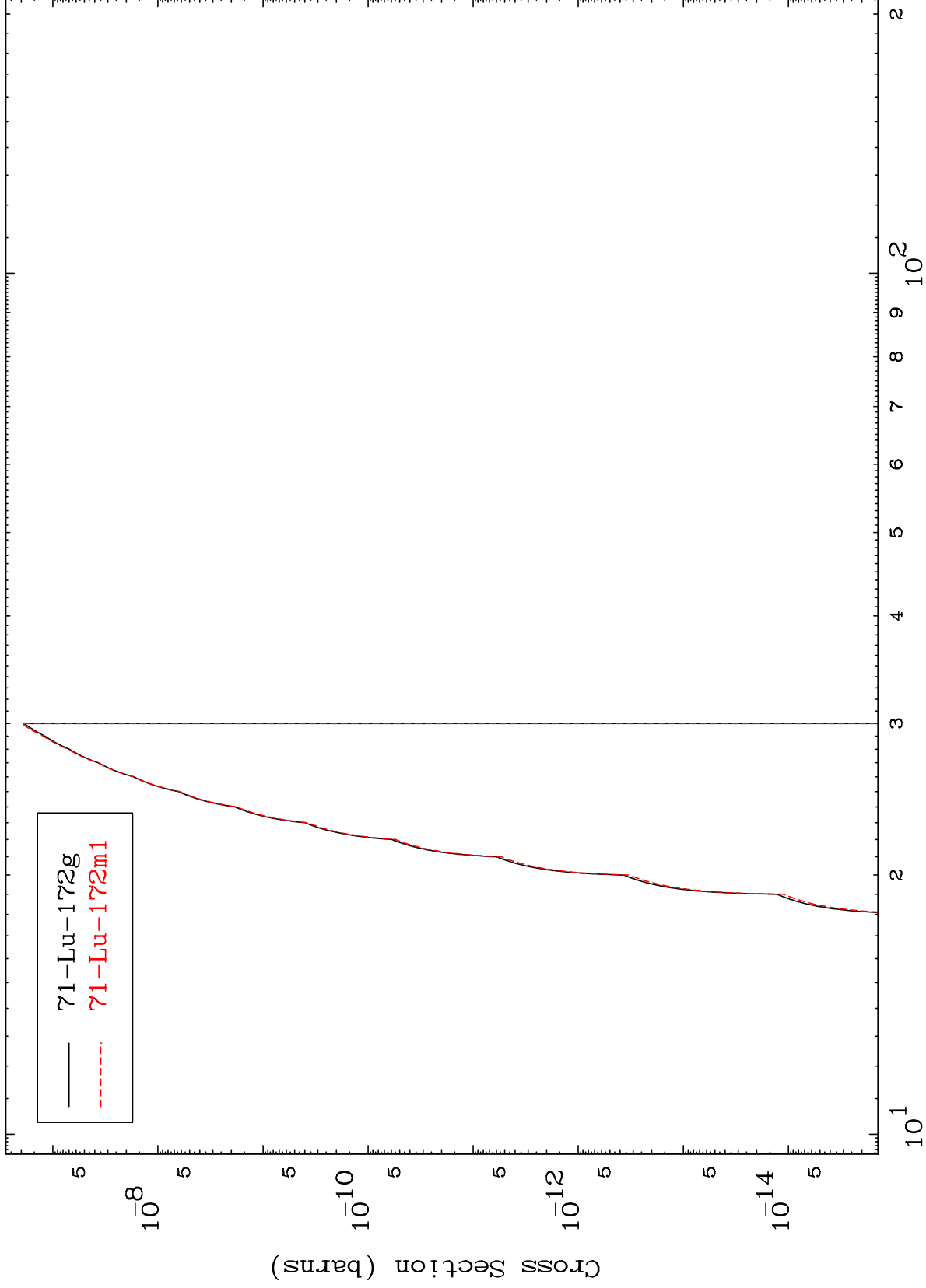
<sup>73</sup>Ta-175

MAT 7310

(n,p) t

73-Ta-175

Radionuclide Production Cross Section



110

Incident Energy (MeV)

73-Ta-175