

Program EVALPLOT  
(Version 2017-1)

by

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(Present Contact Information)

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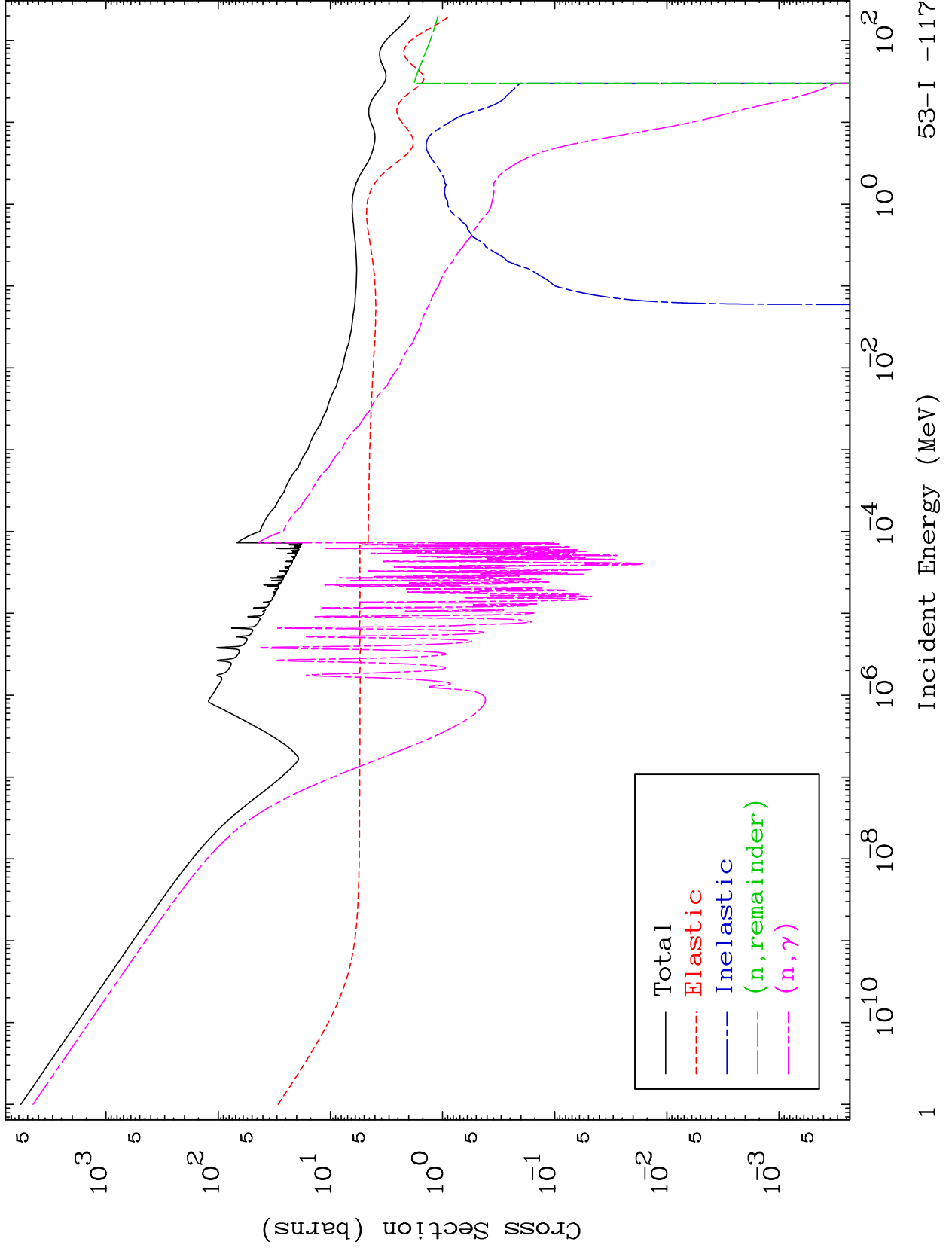
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5295

Major  
293 Kelvin Cross Sections

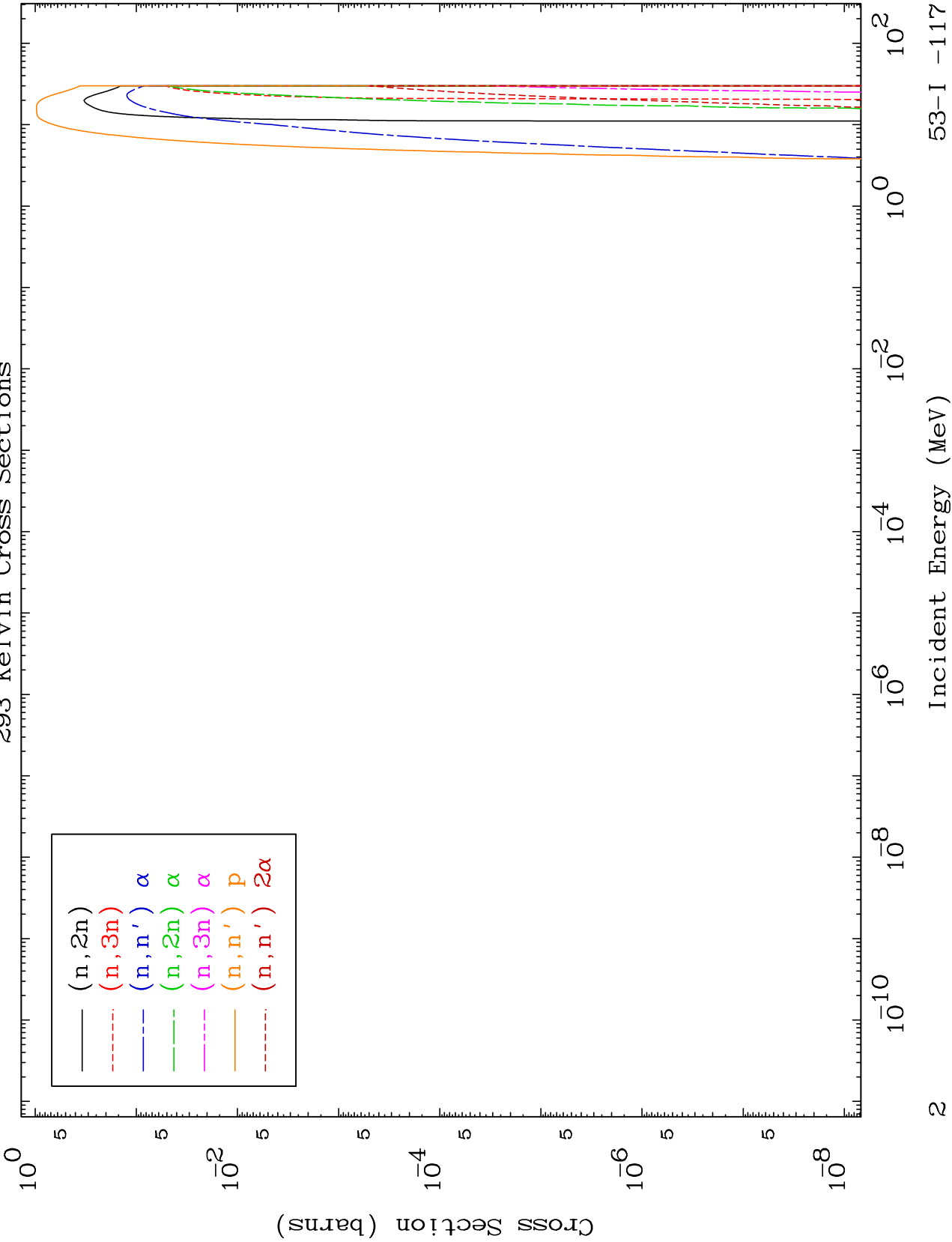
53-I -117

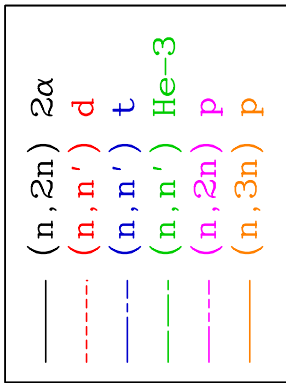
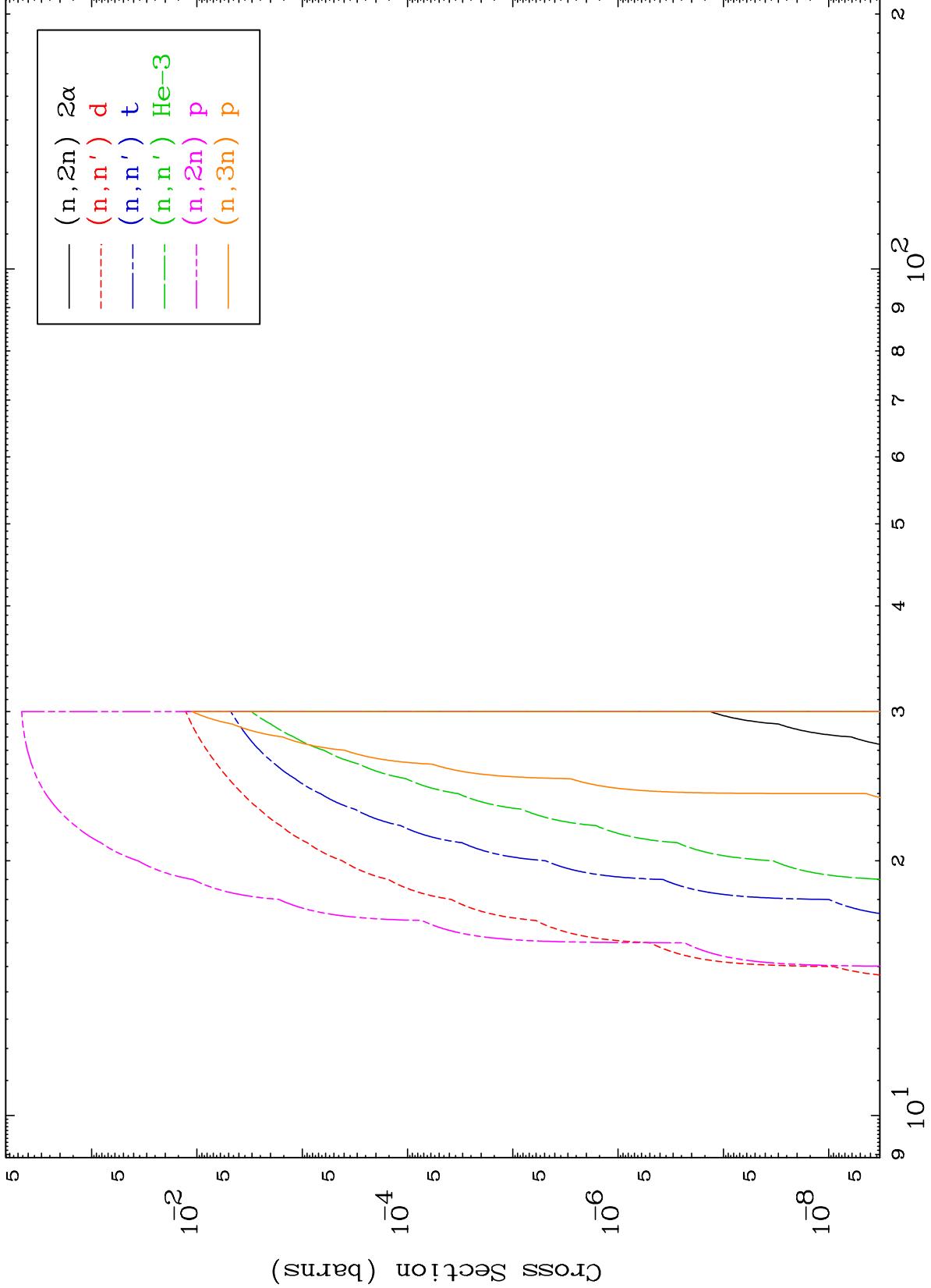


MAT 5295

Neutron Production  
293 Kelvin Cross Sections

53-I -117

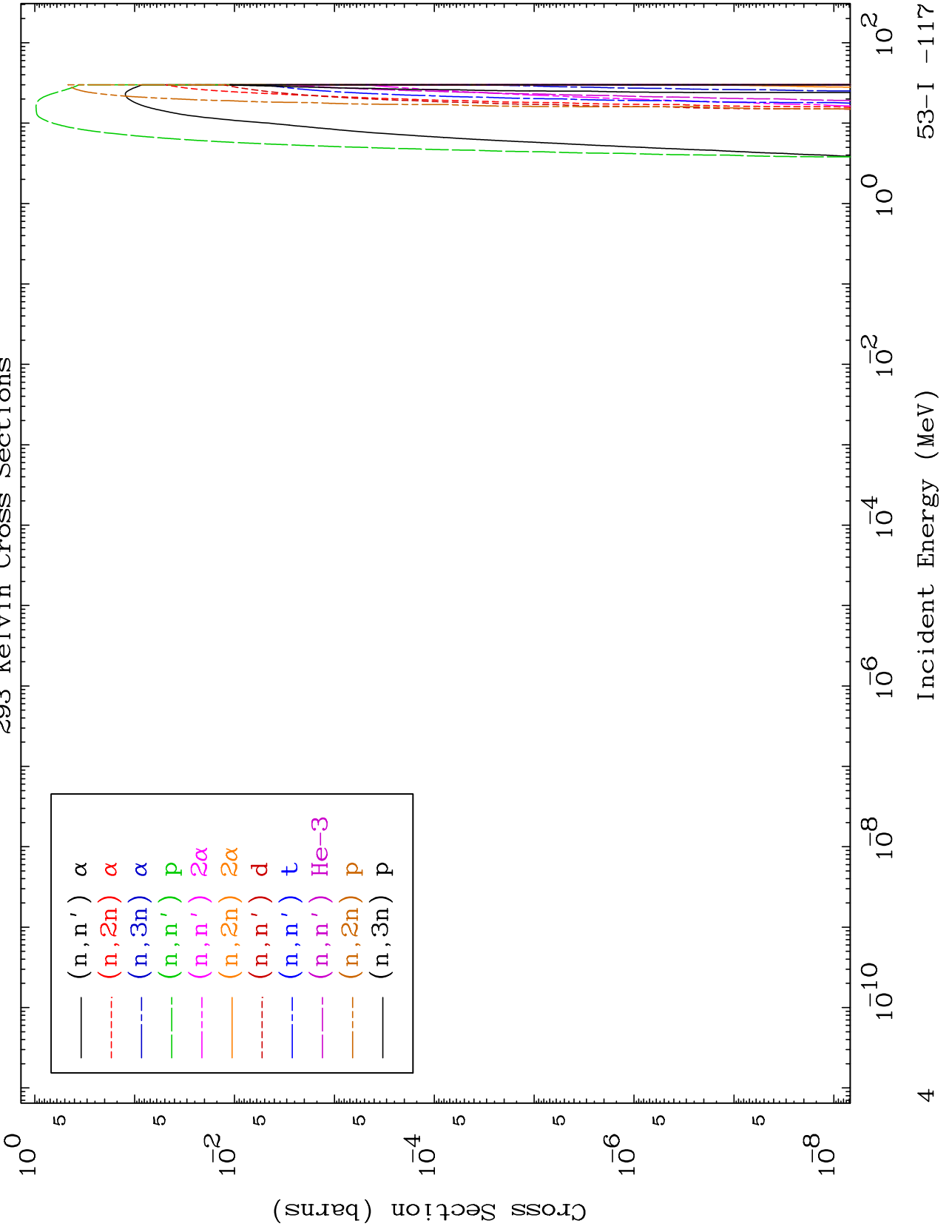


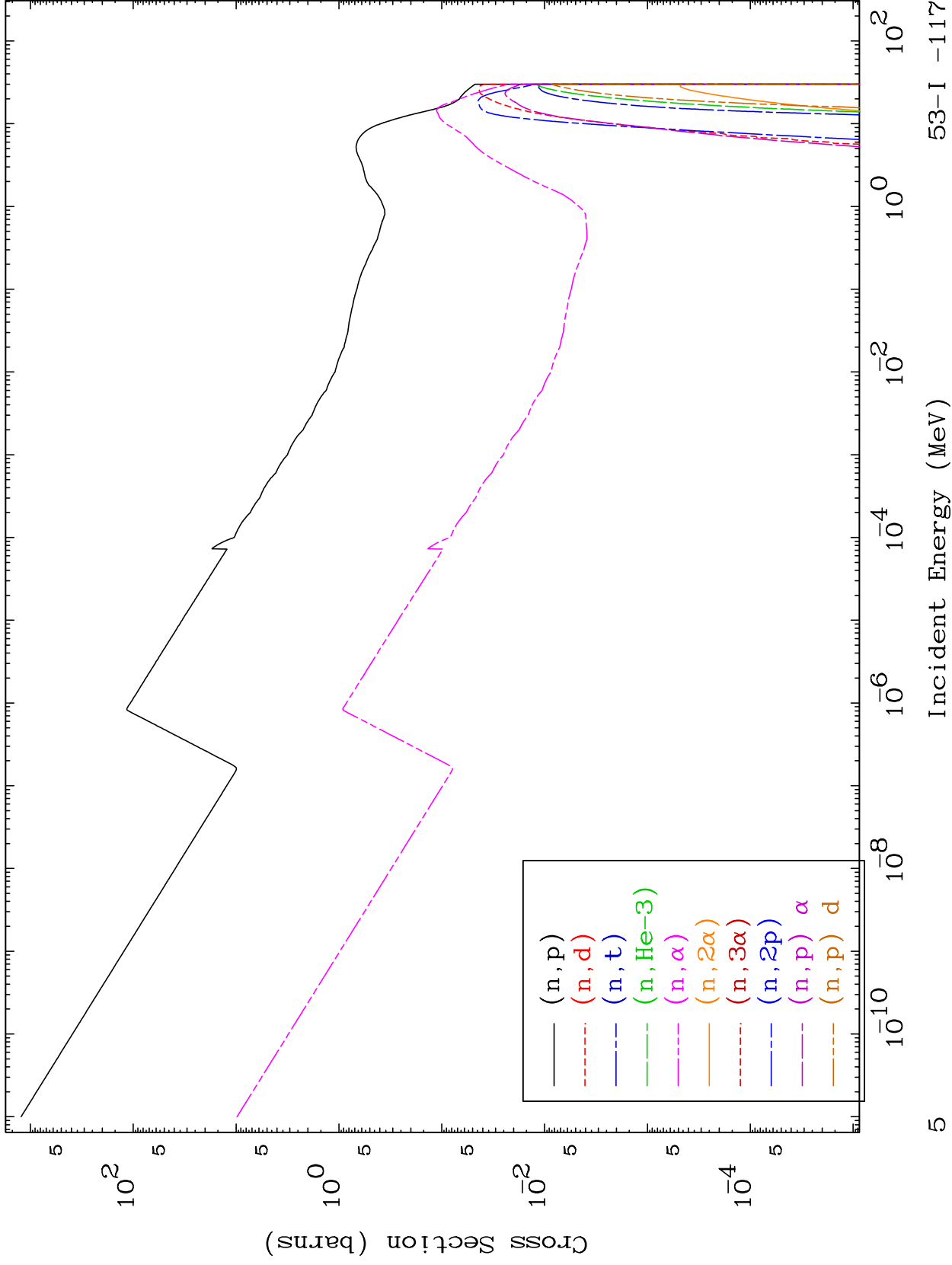


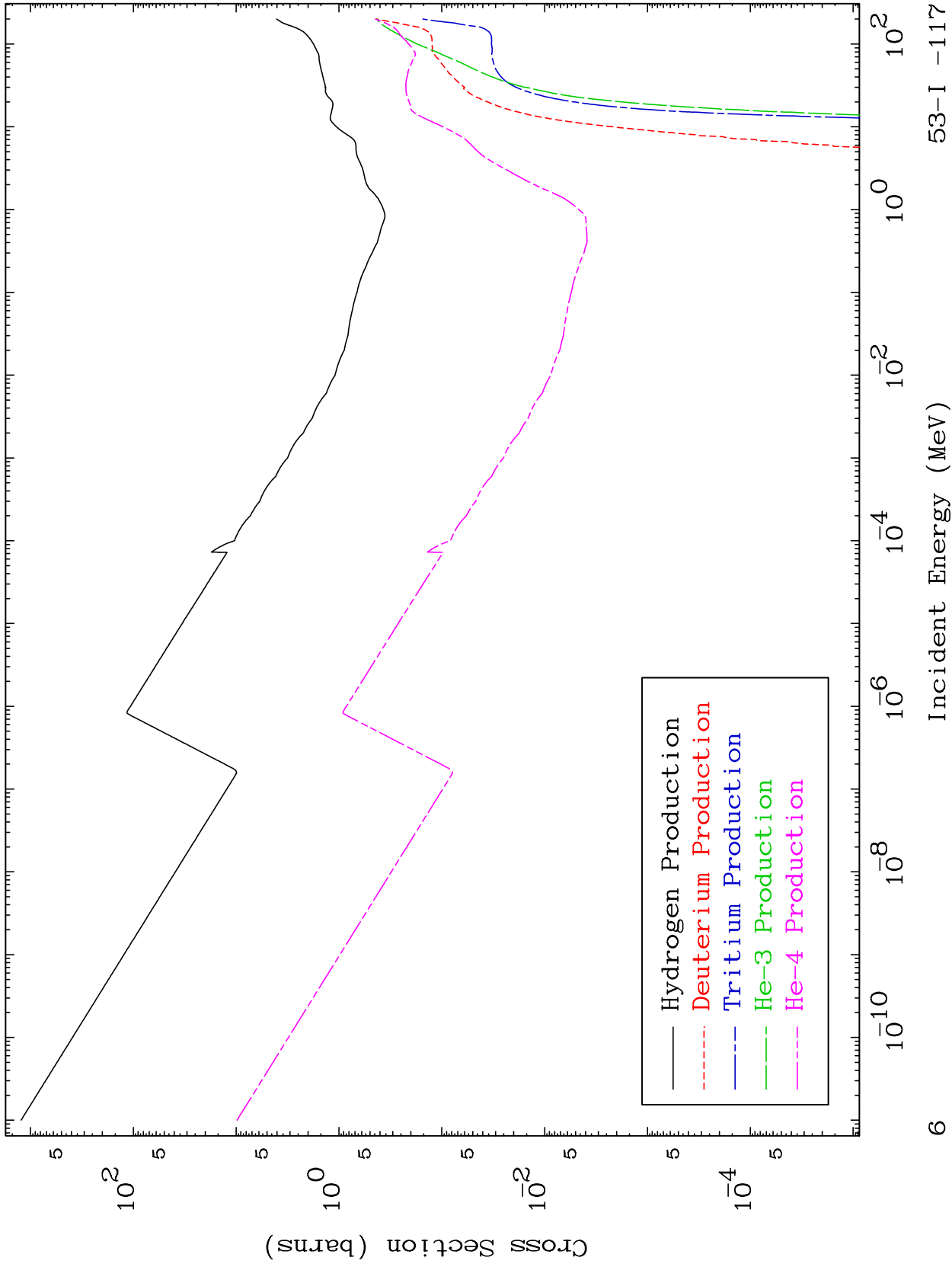
MAT 5295

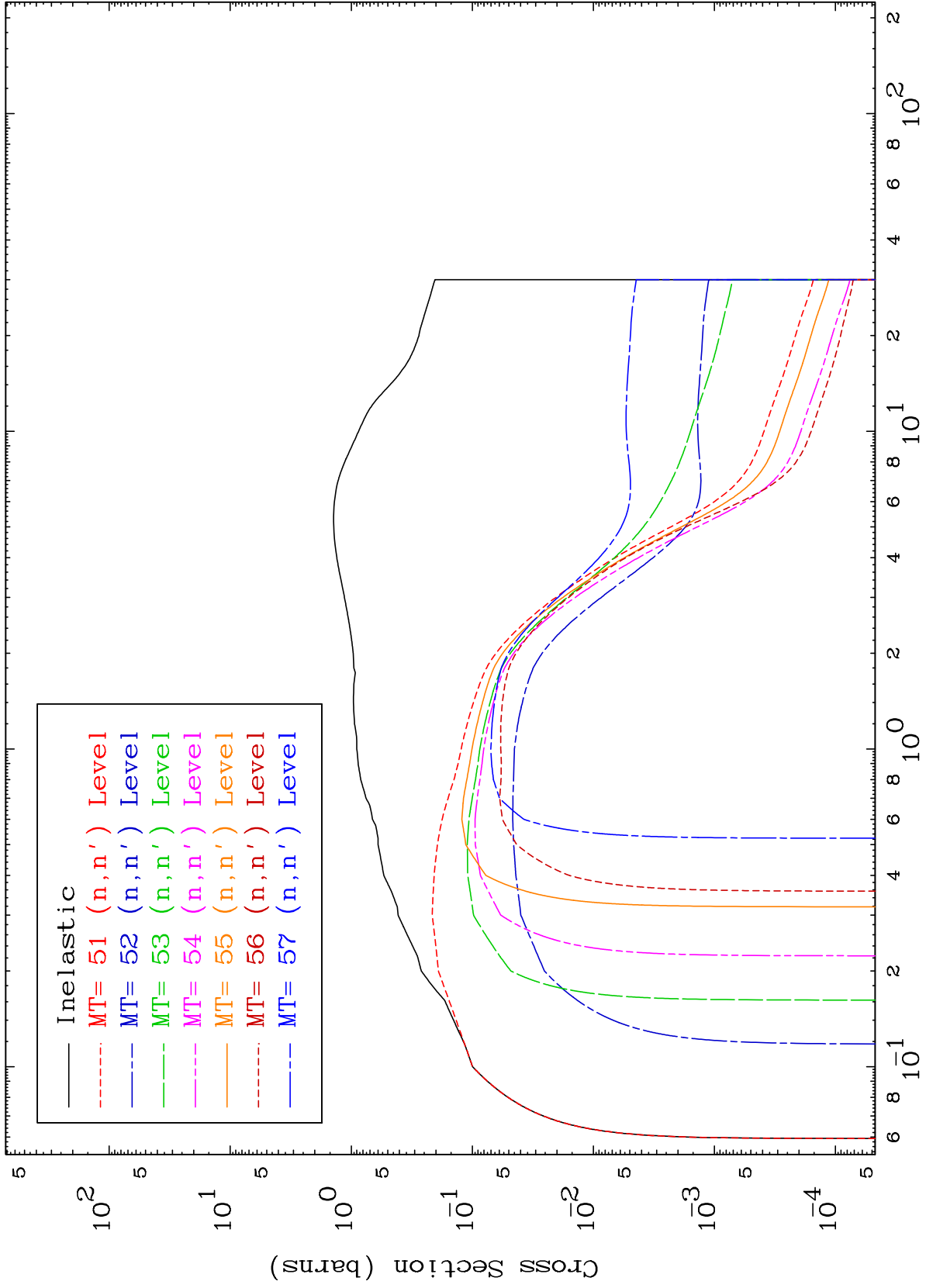
Charged Particle  
293 Kelvin Cross Sections

53-I -117



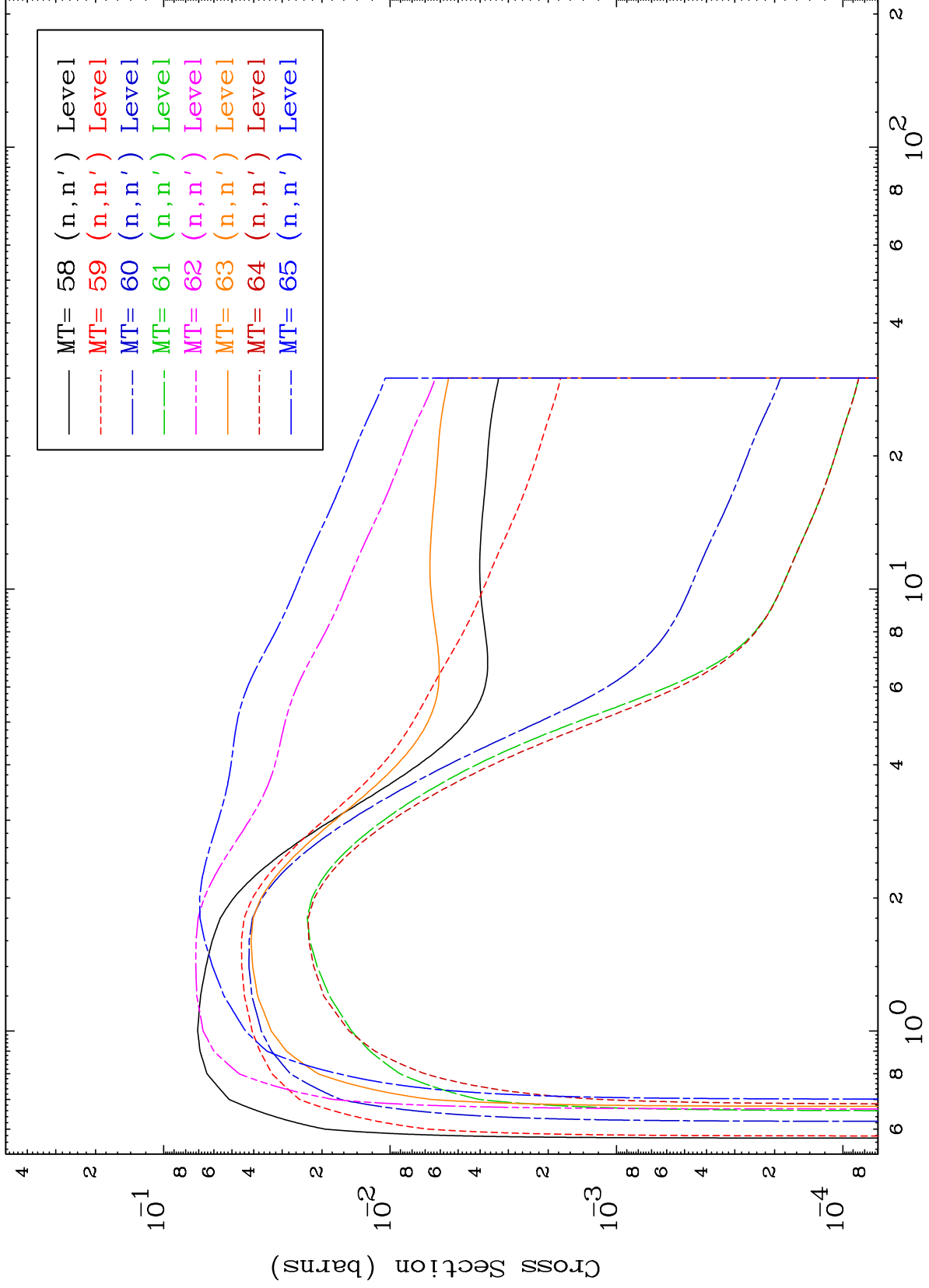


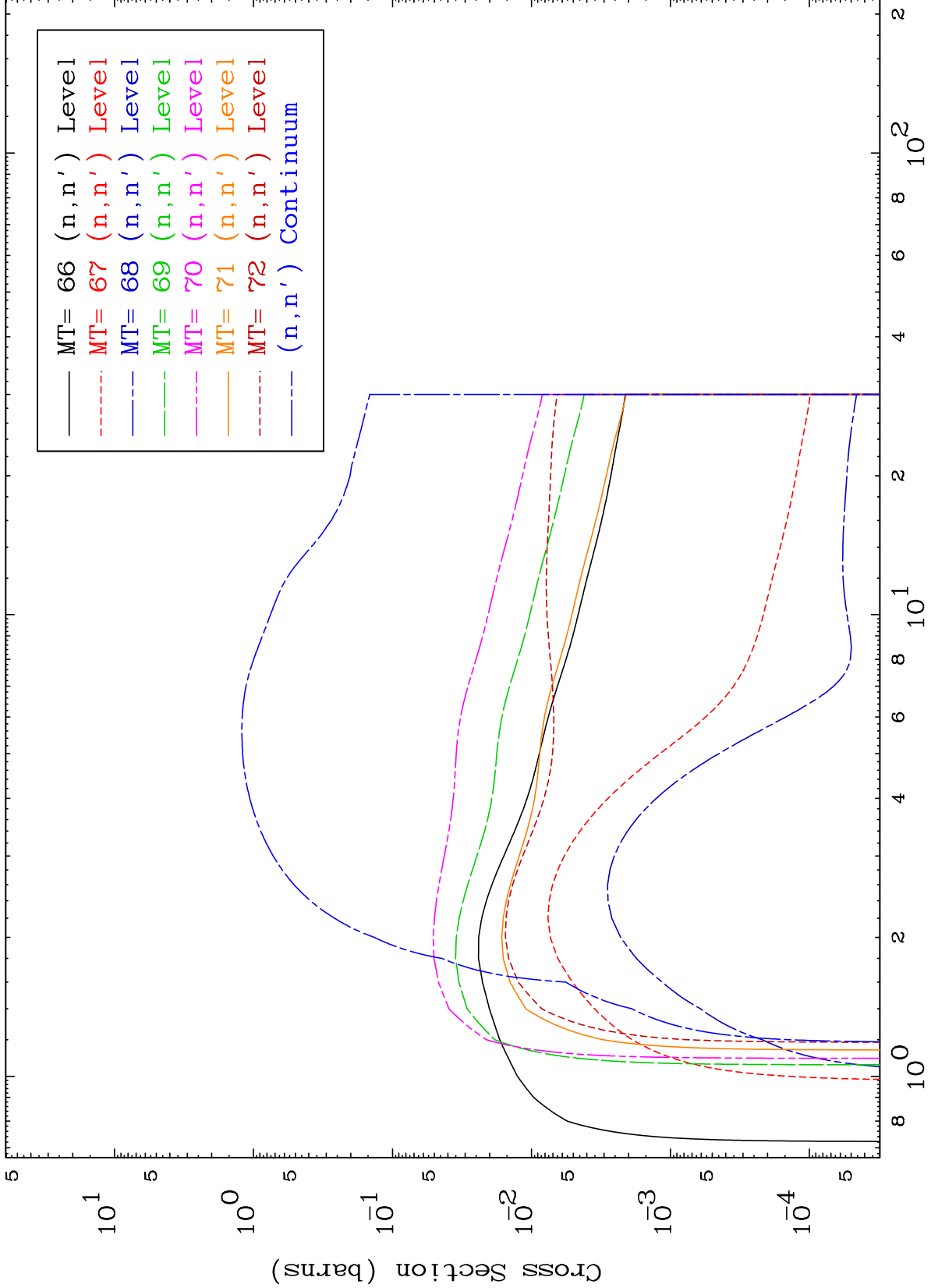






293 Kelvin Cross Sections

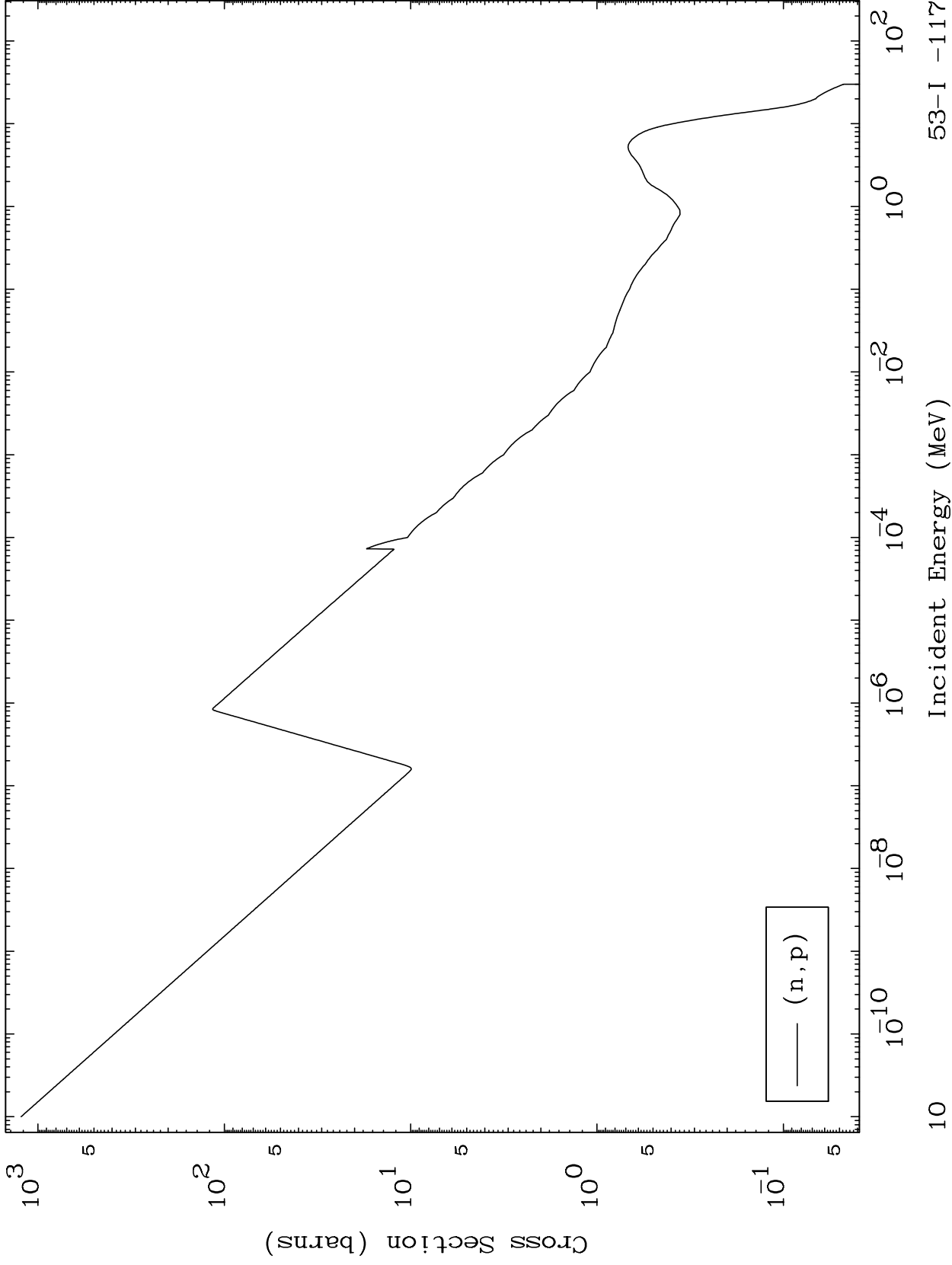




MAT 5295

(n,p) Levels  
293 Kelvin Cross Sections

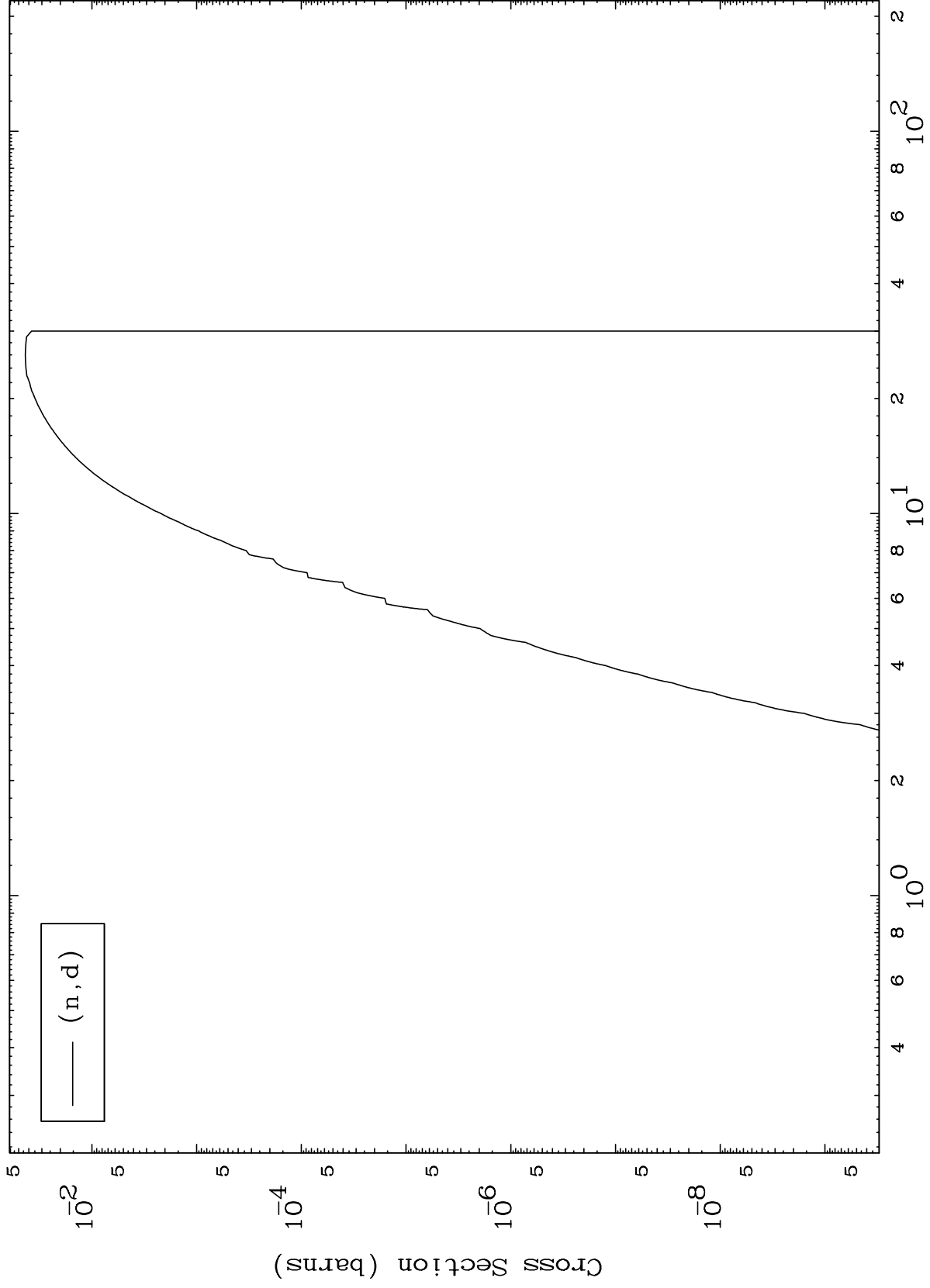
53-I -117

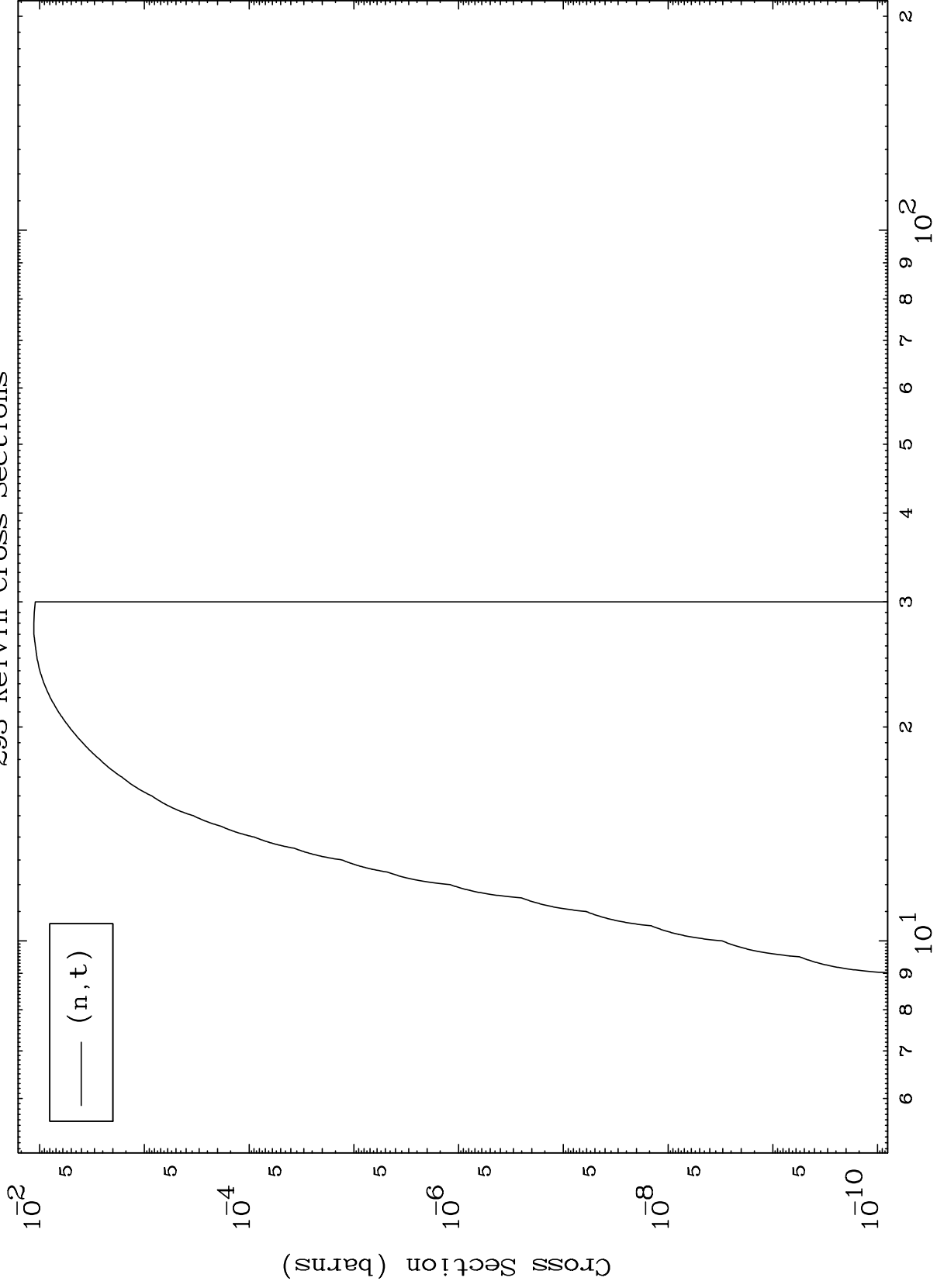


MAT 5295

(n,d) Levels  
293 Kelvin Cross Sections

53-I -117

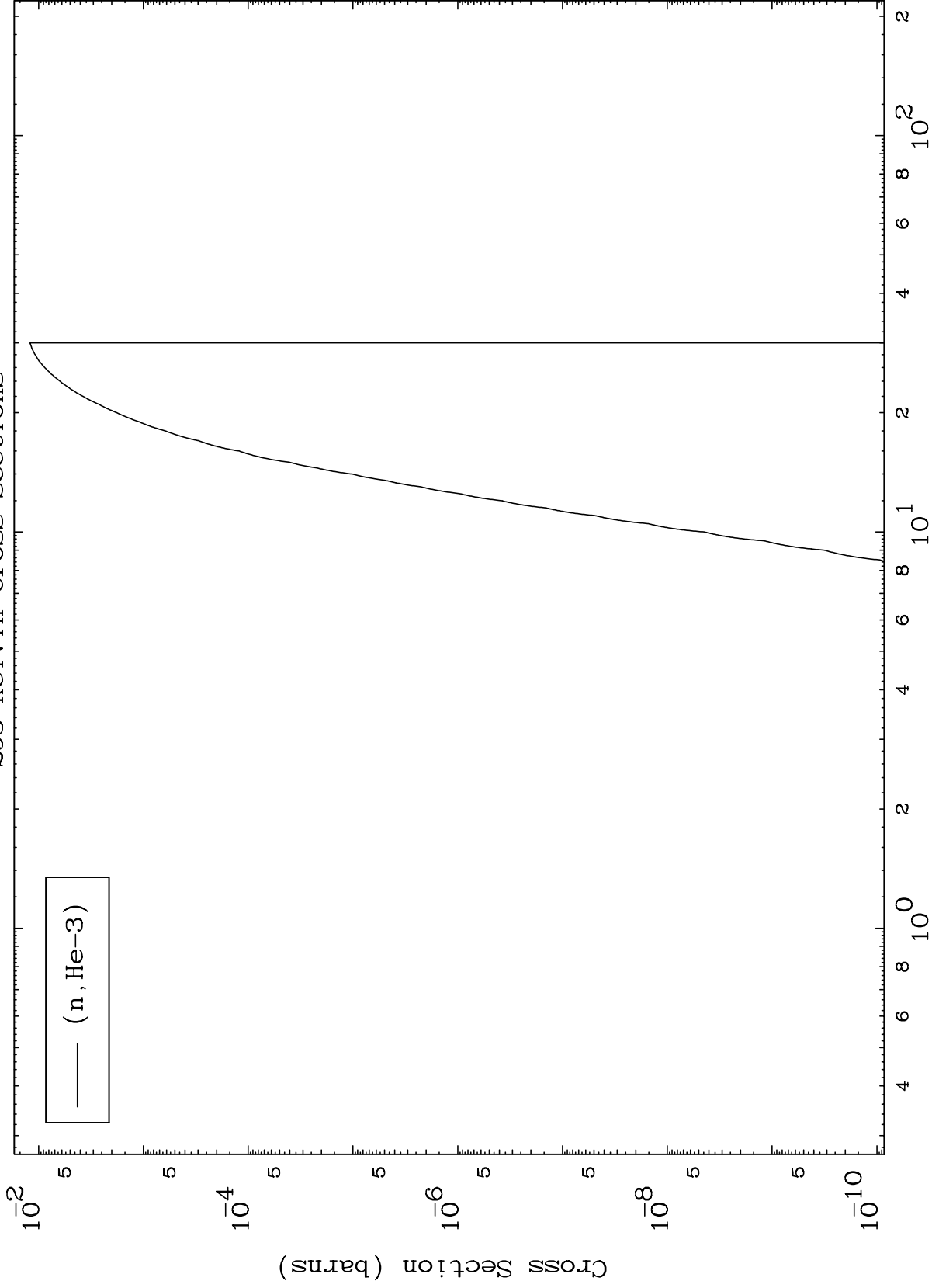




MAT 5295

(n,He3) Levels  
293 Kelvin Cross Sections

53-I -117



13

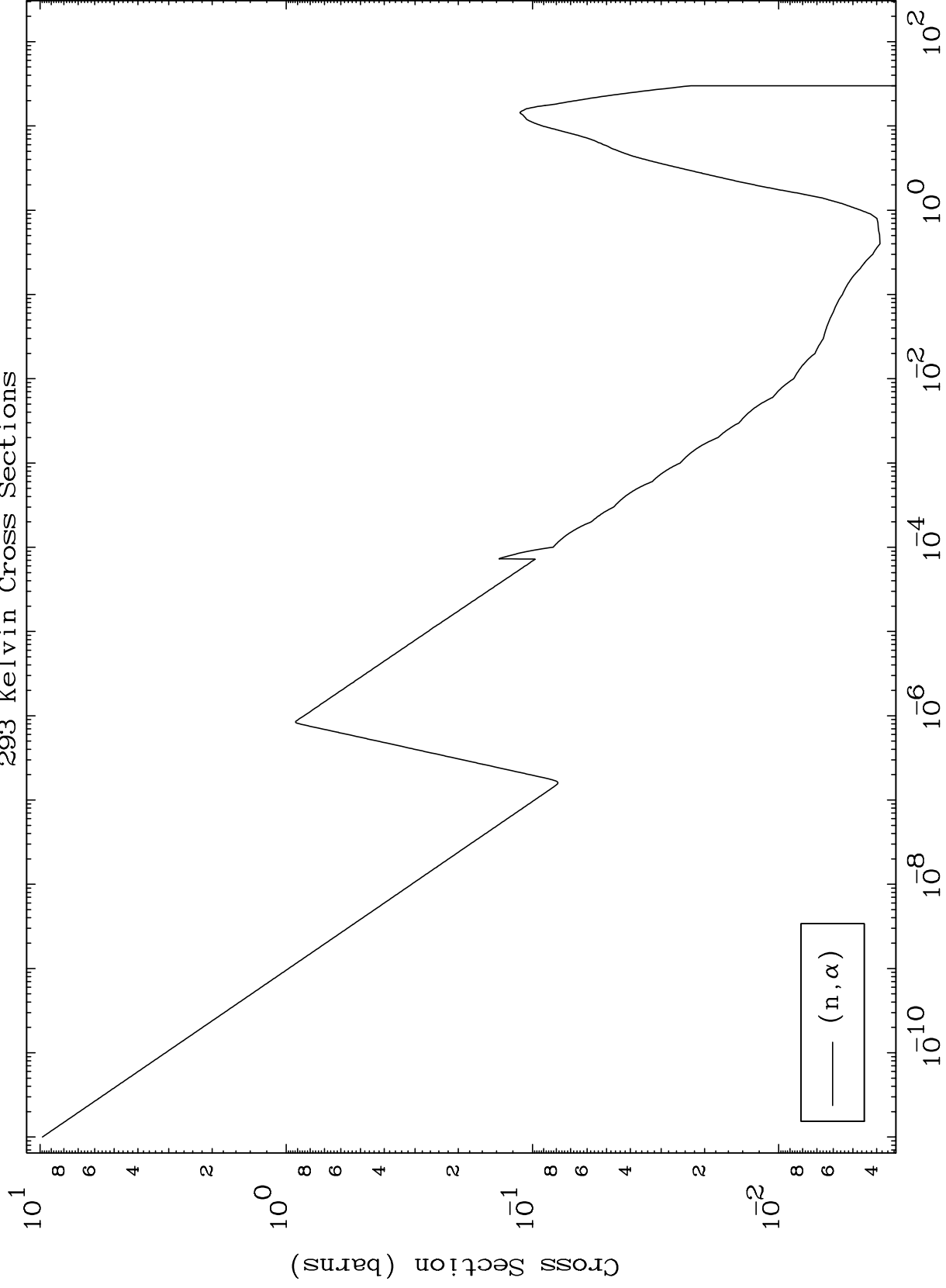
Incident Energy (MeV)

53-I -117

MAT 5295

(n,α) Levels  
293 Kelvin Cross Sections

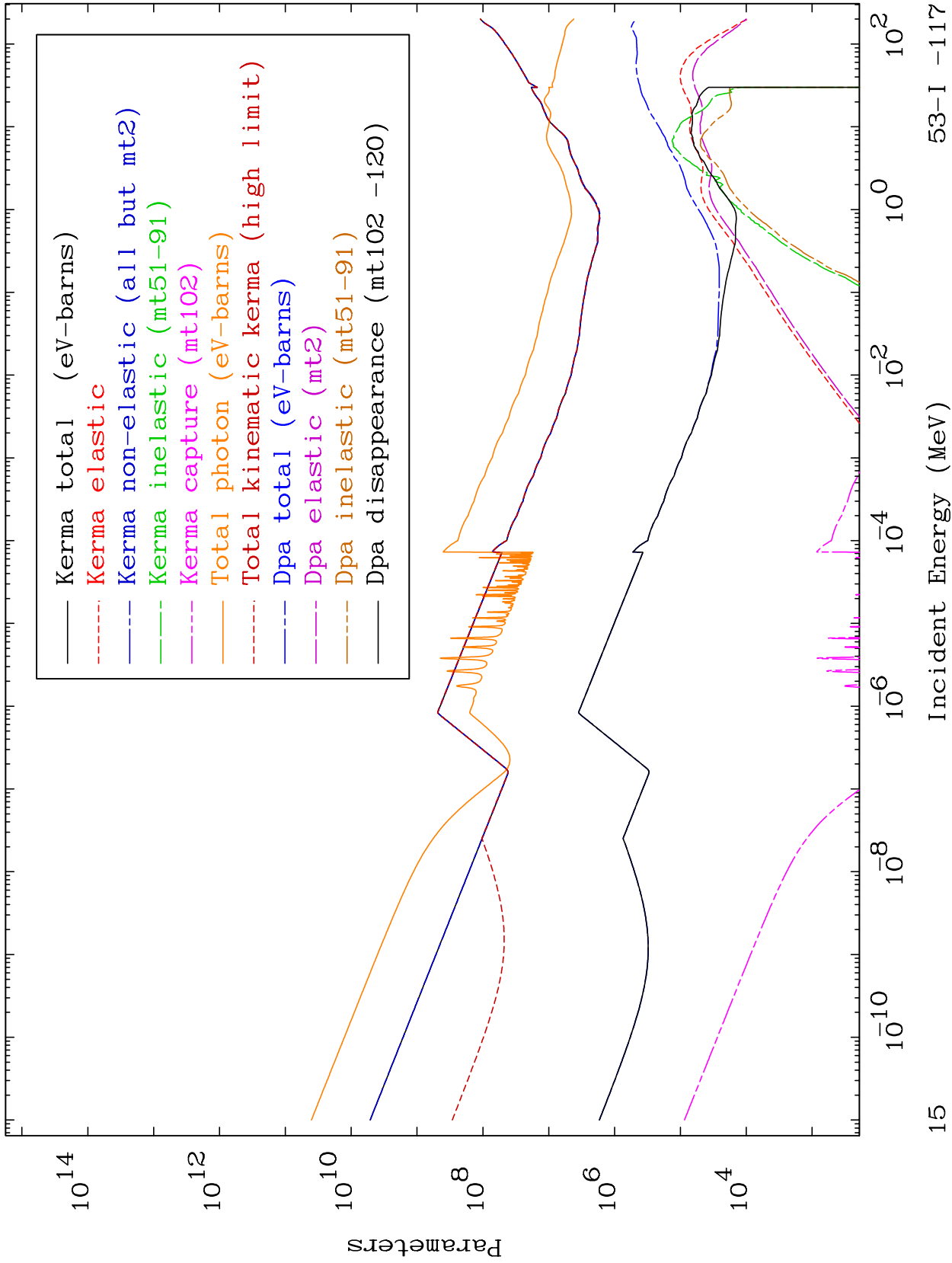
53-I -117



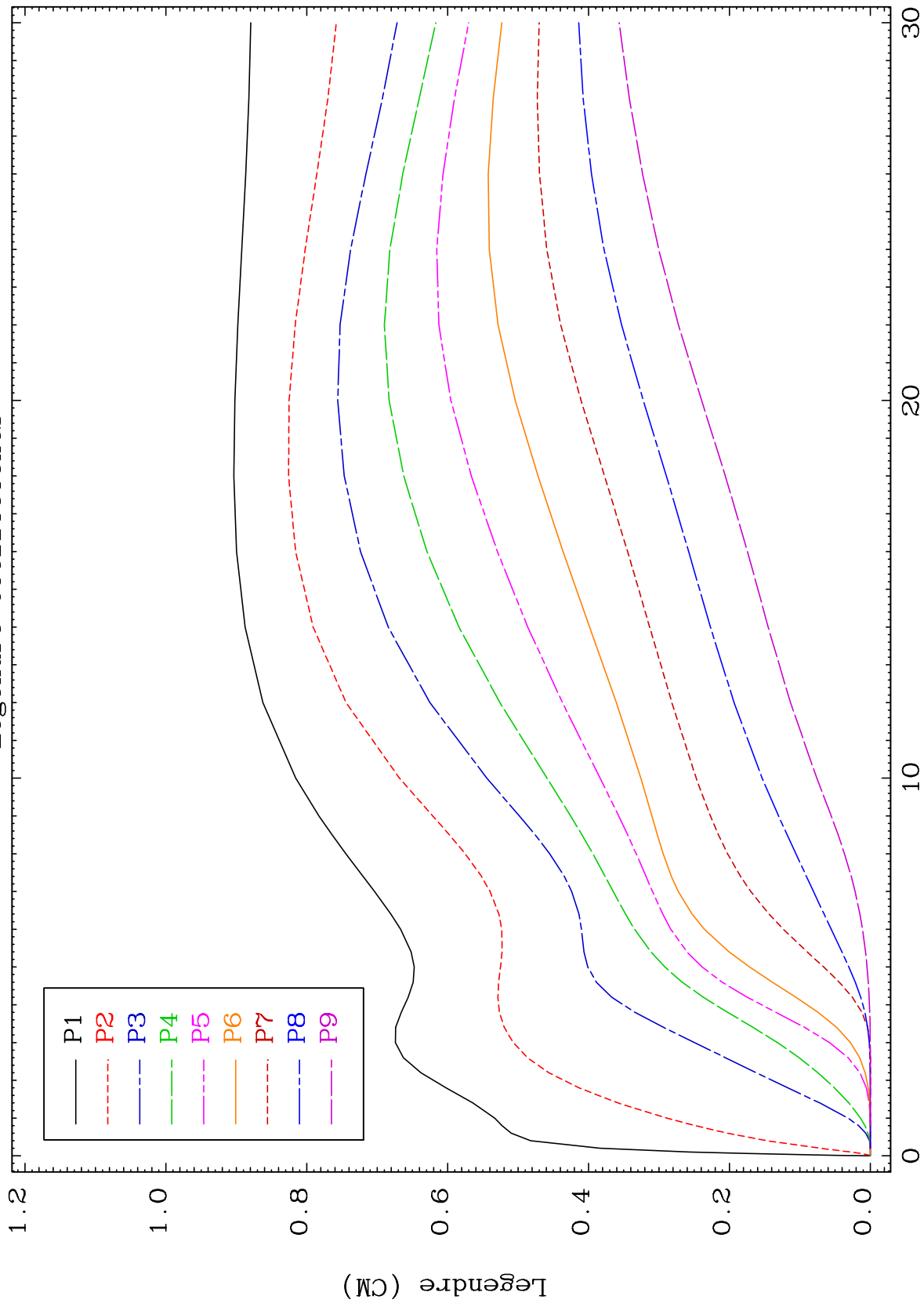
14

Incident Energy (MeV)

53-I -117



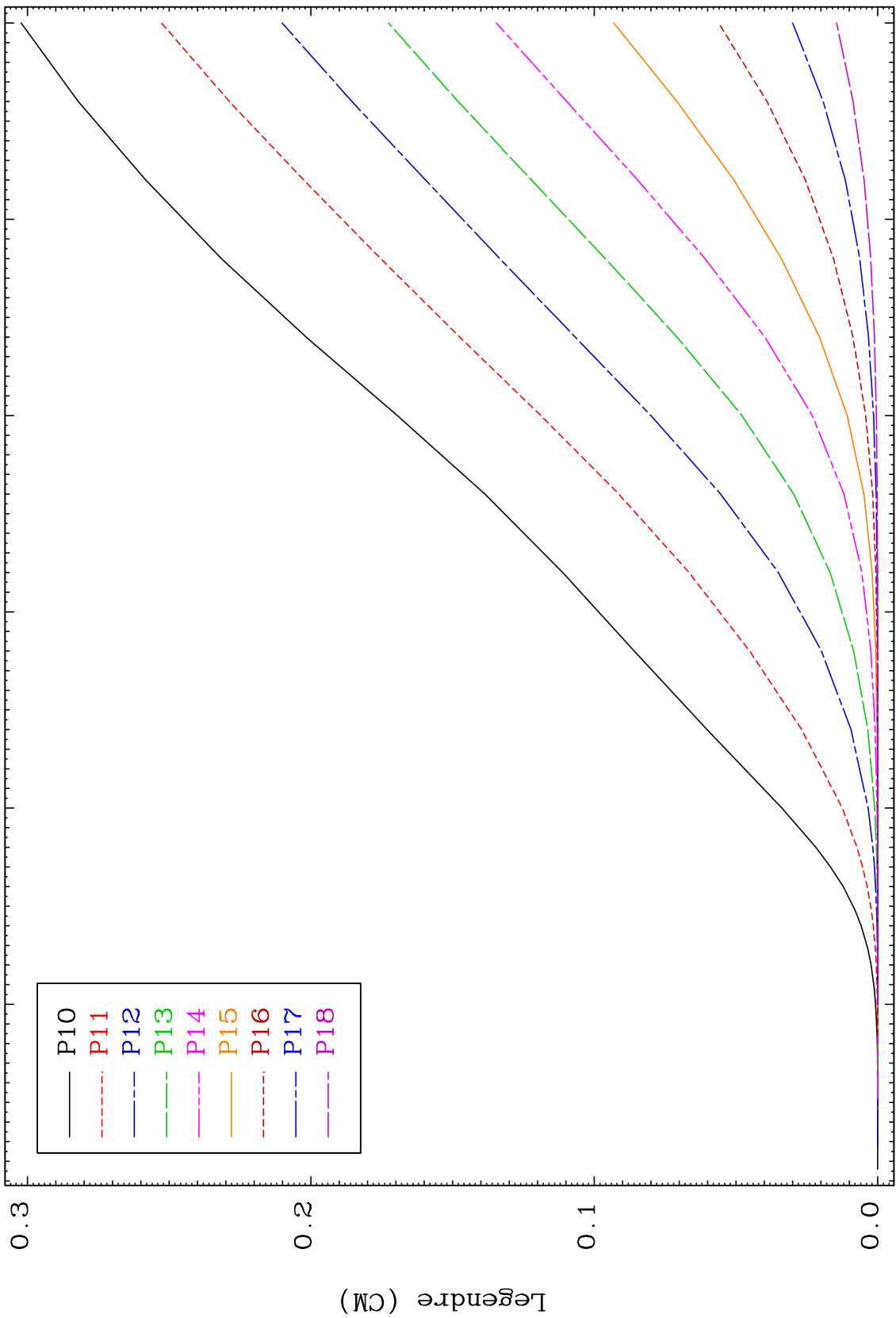




MAT 5295

Elastic Legendre Coefficients

53-I -117



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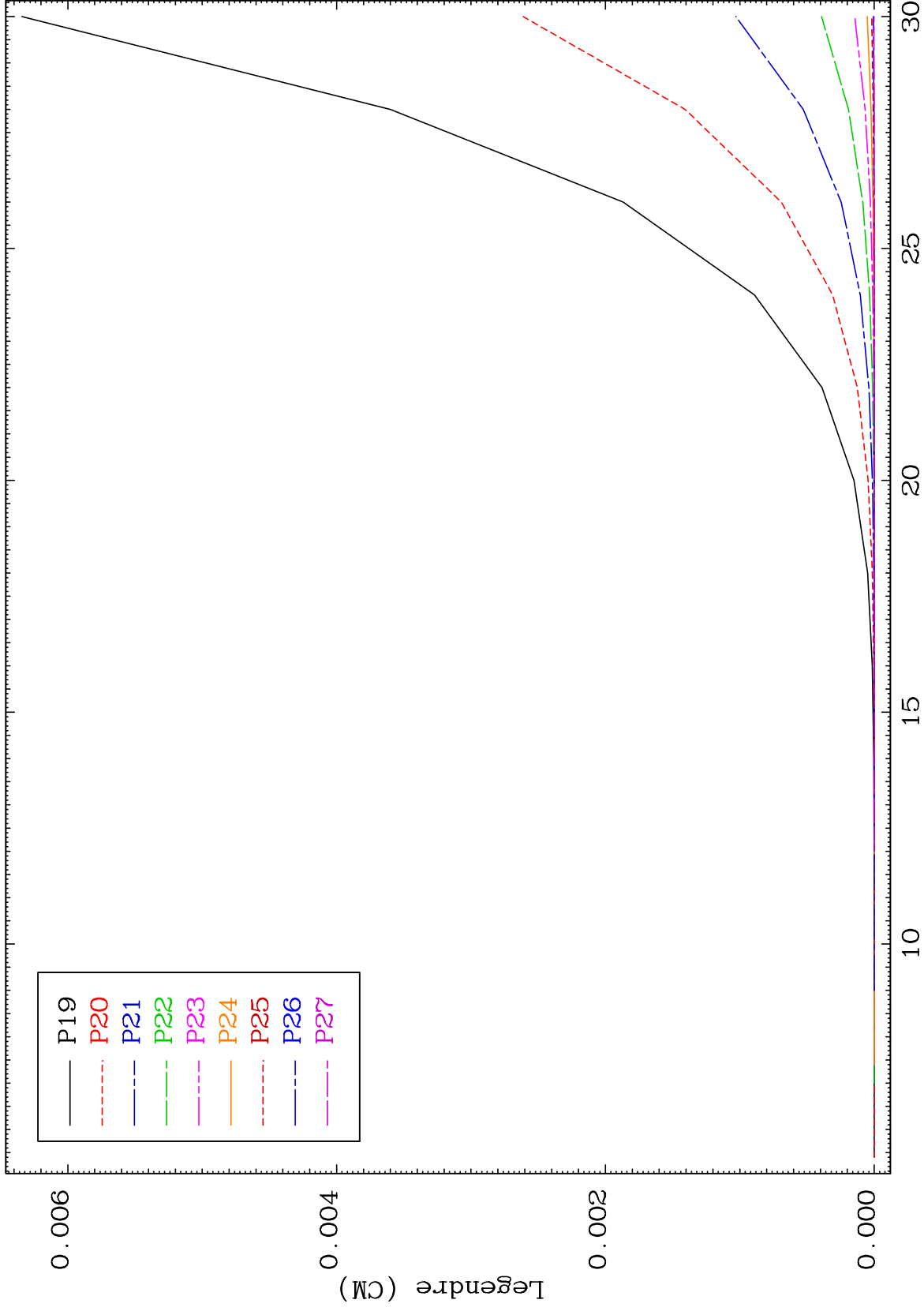
Incident Energy (MeV)

53-I -117

MAT 5295

### Elastic Legendre Coefficients

53-I -117



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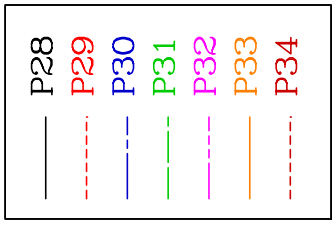
Incident Energy (MeV)

53-I -117

MAT 5295

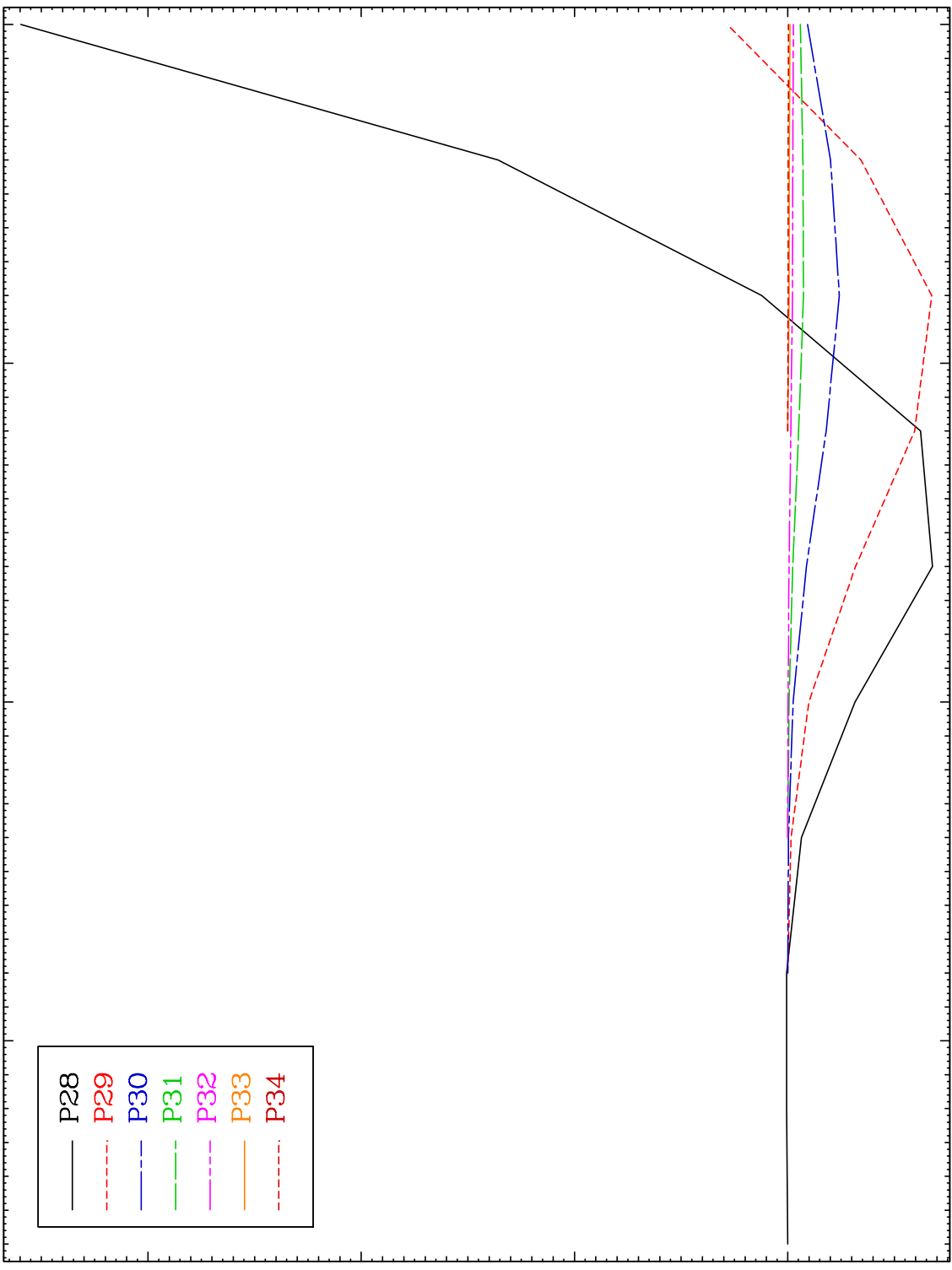
Elastic Legendre Coefficients

53-I -117



$\times 10^{-7}$

Legendre (CM)



15

20

25

30

19

Incident Energy (MeV)

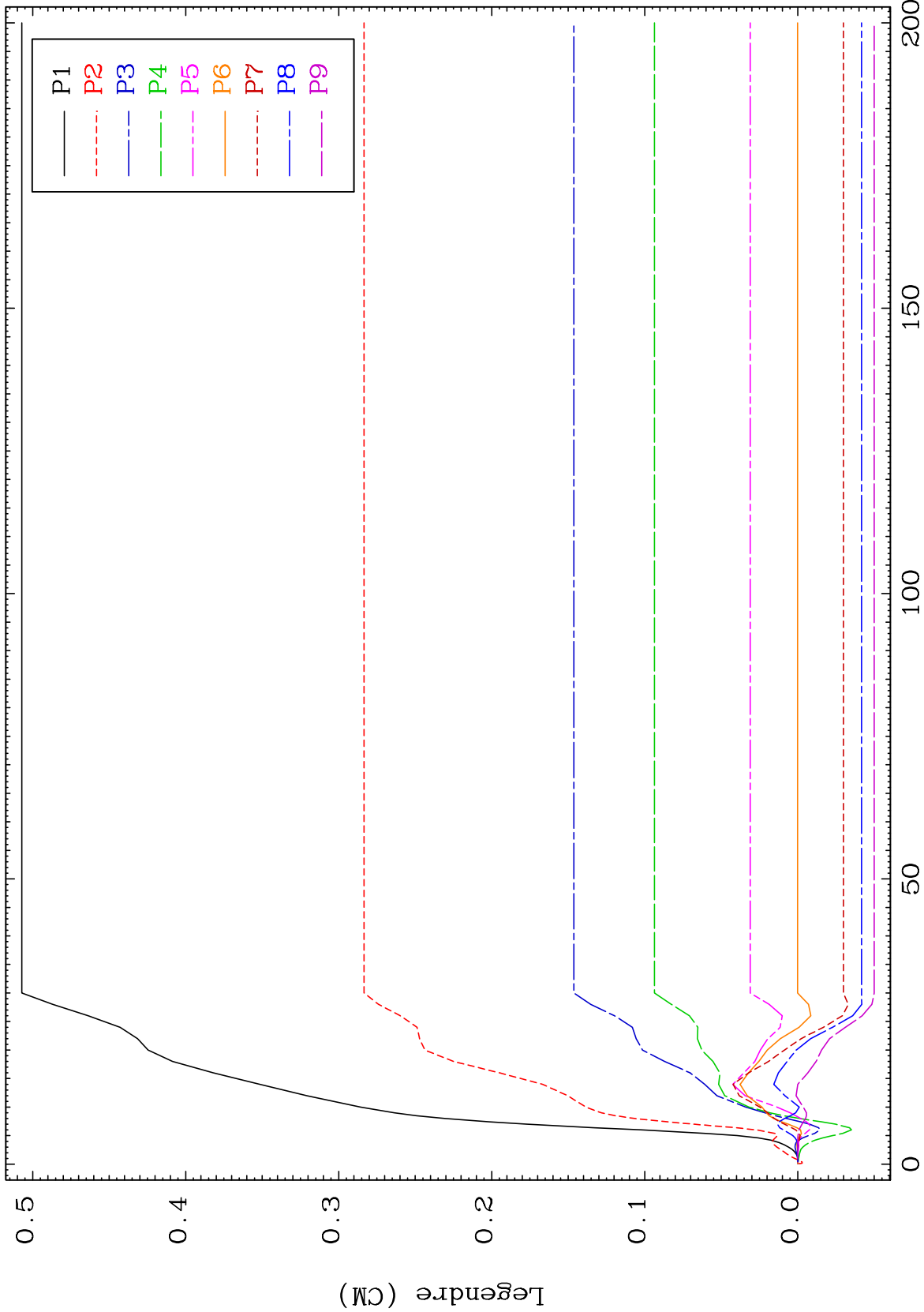
53-I -117

MAT 5295

MT= 51 (n,n') Level

53-I -117

Legendre Coefficients



53-I -117

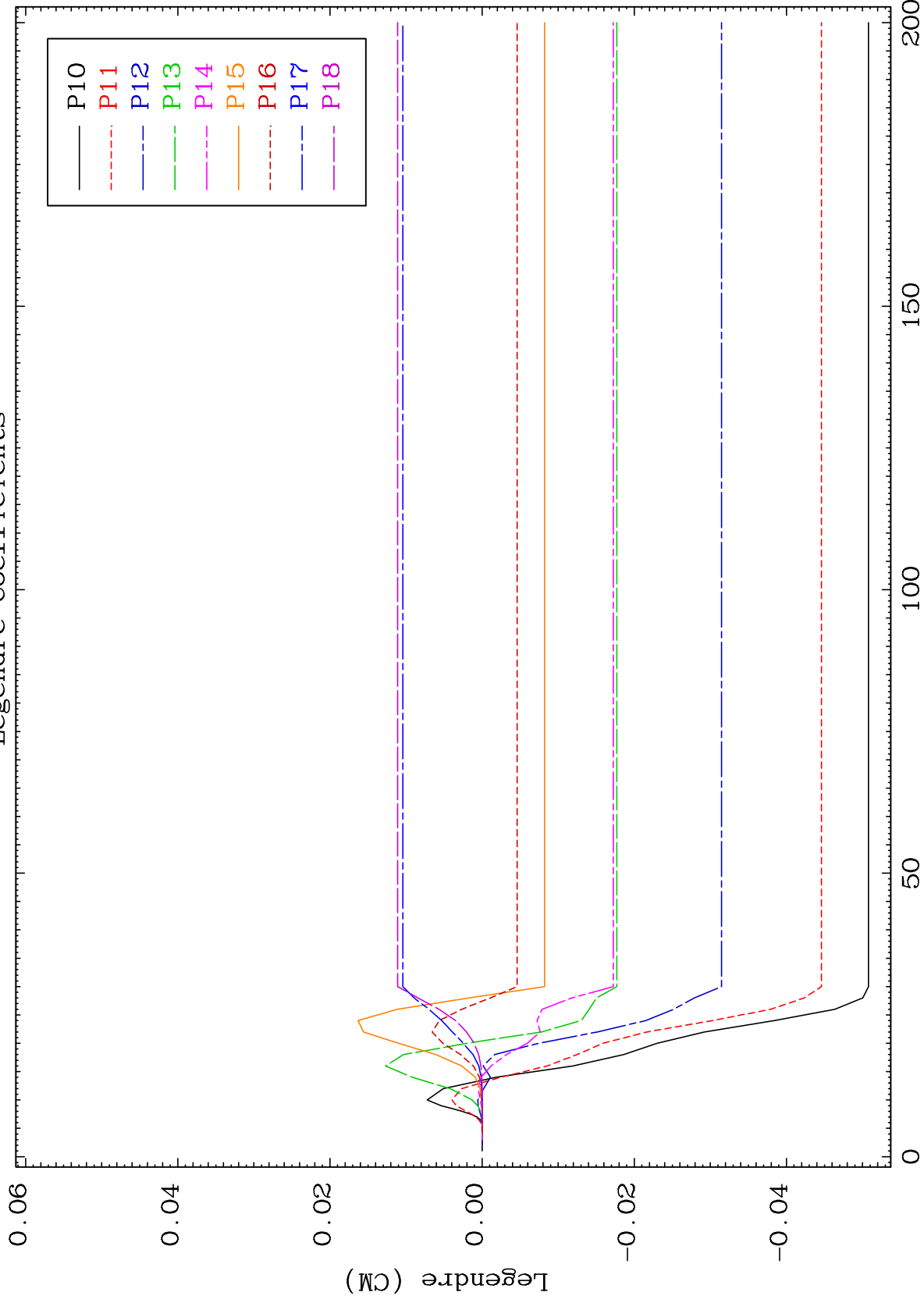
Incident Energy (MeV)

20

MAT 5295

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

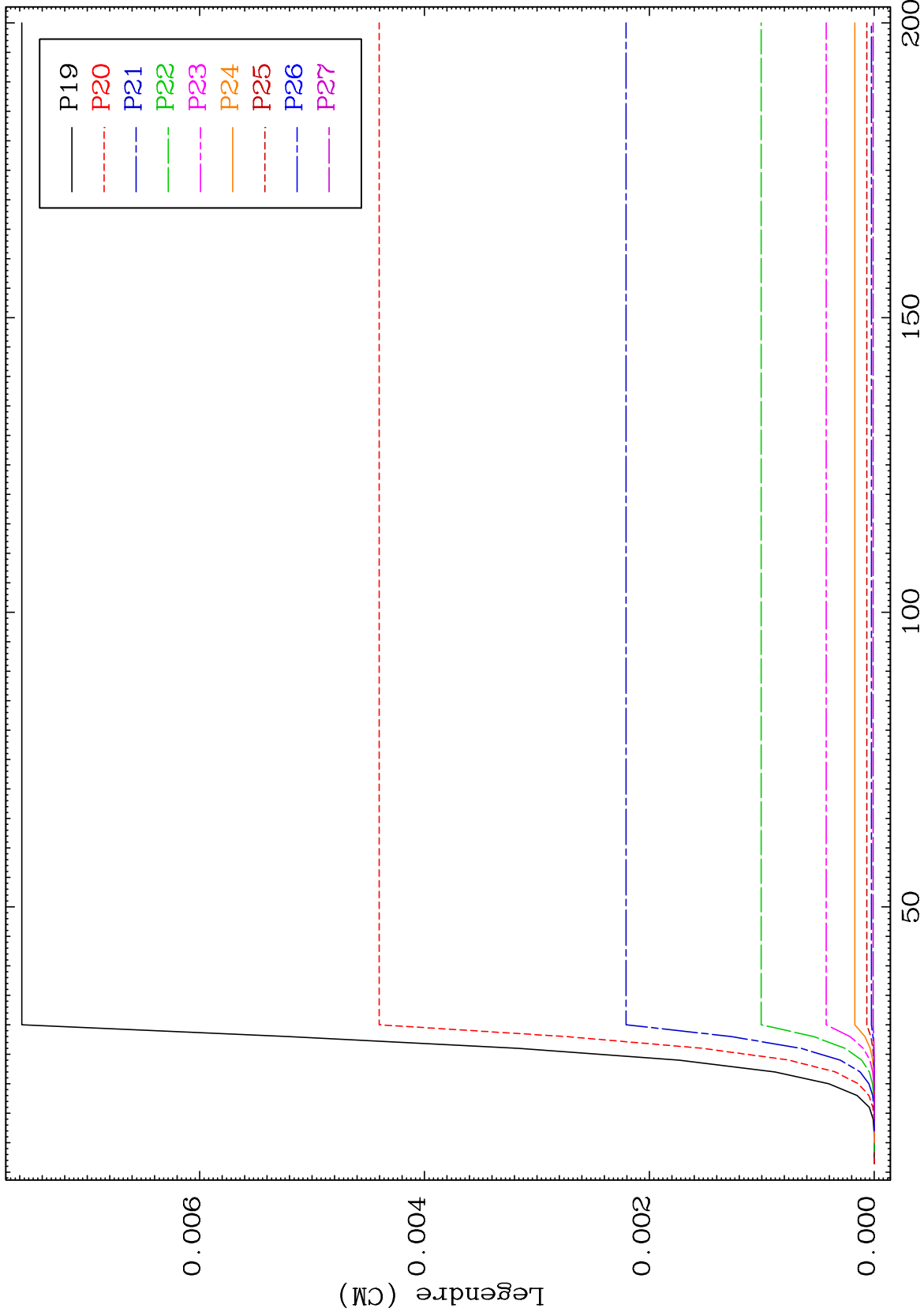
53-I -117



21

Incident Energy (MeV)

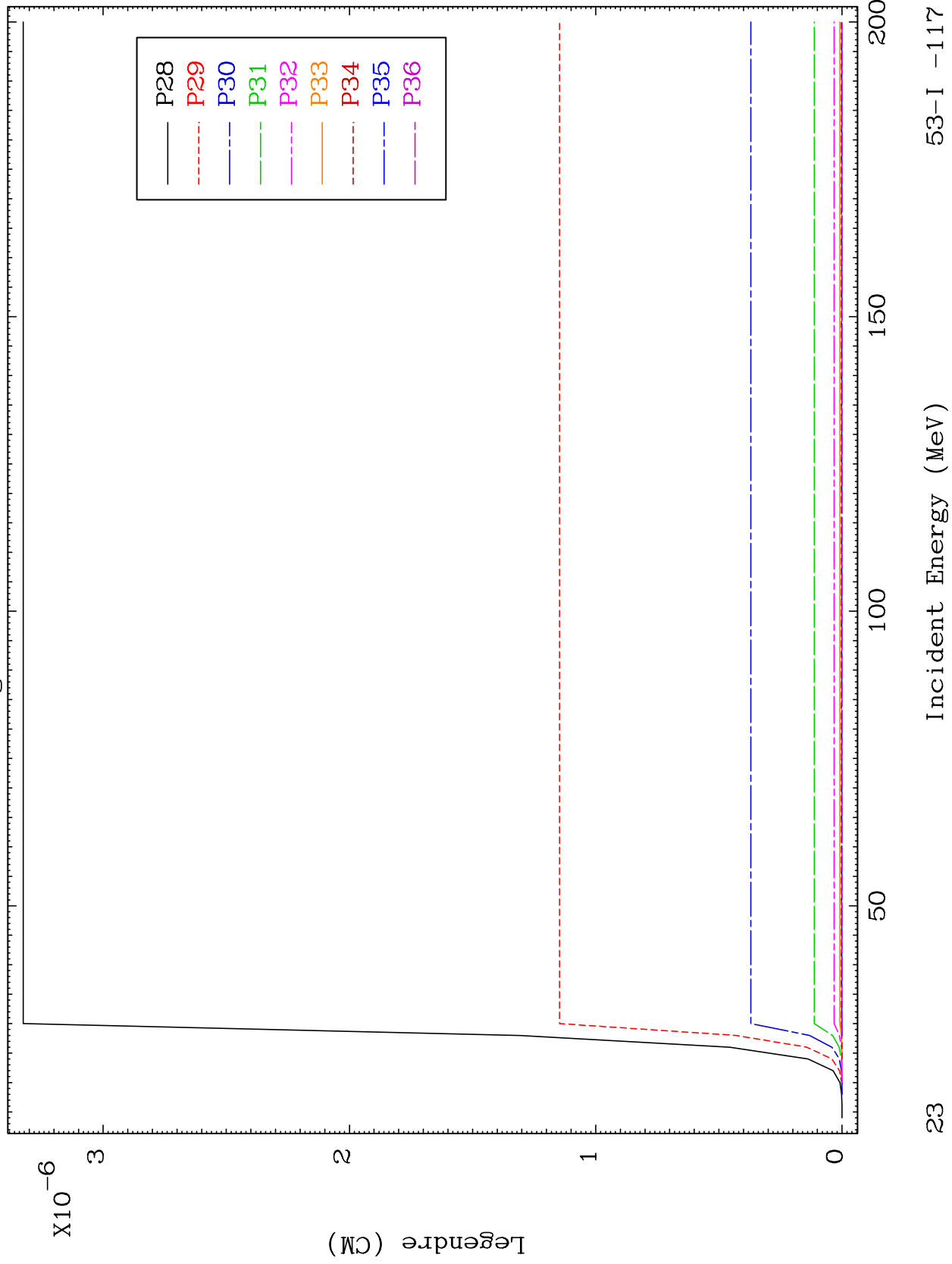
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MAT 5295

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

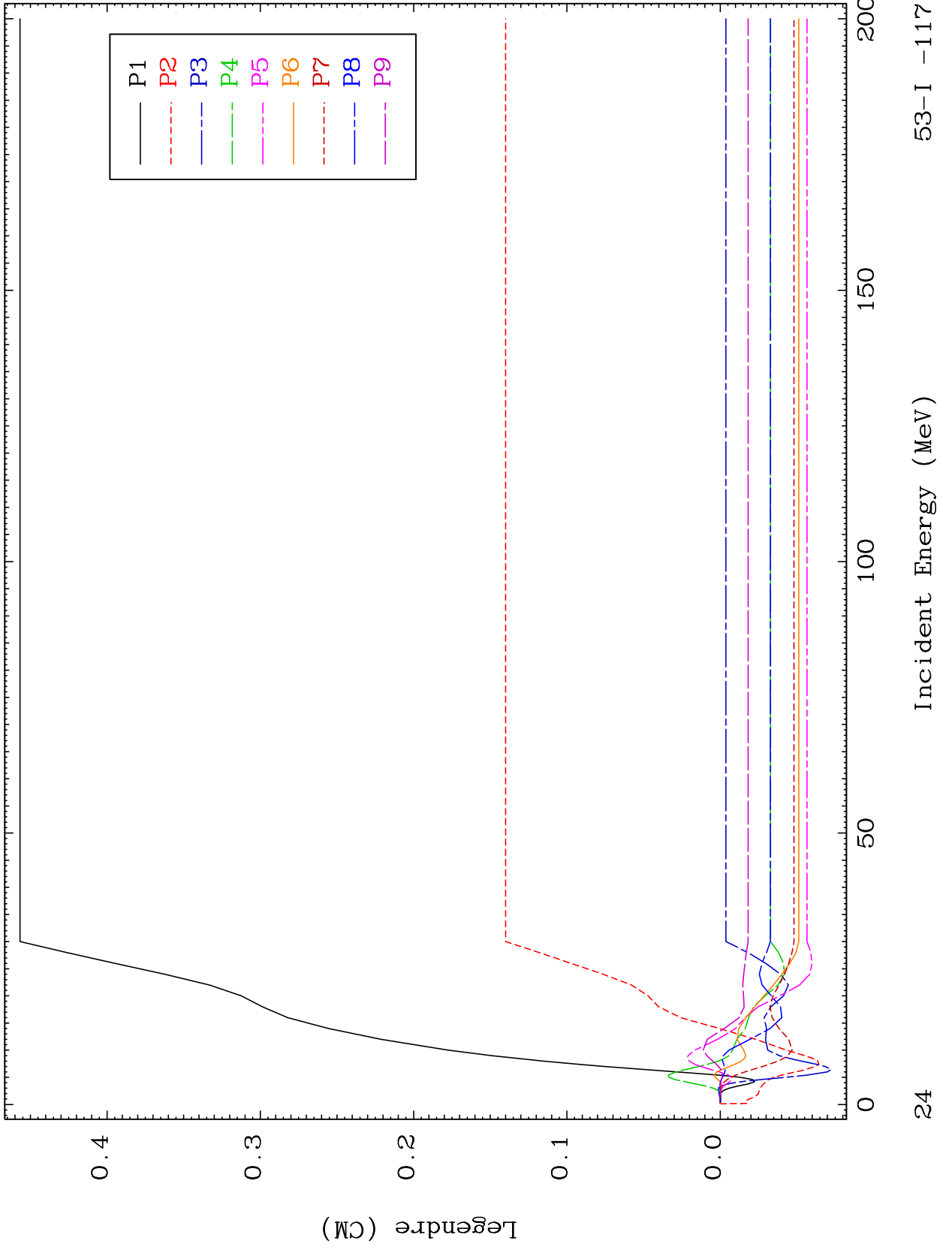
53-I -117



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53-I -117

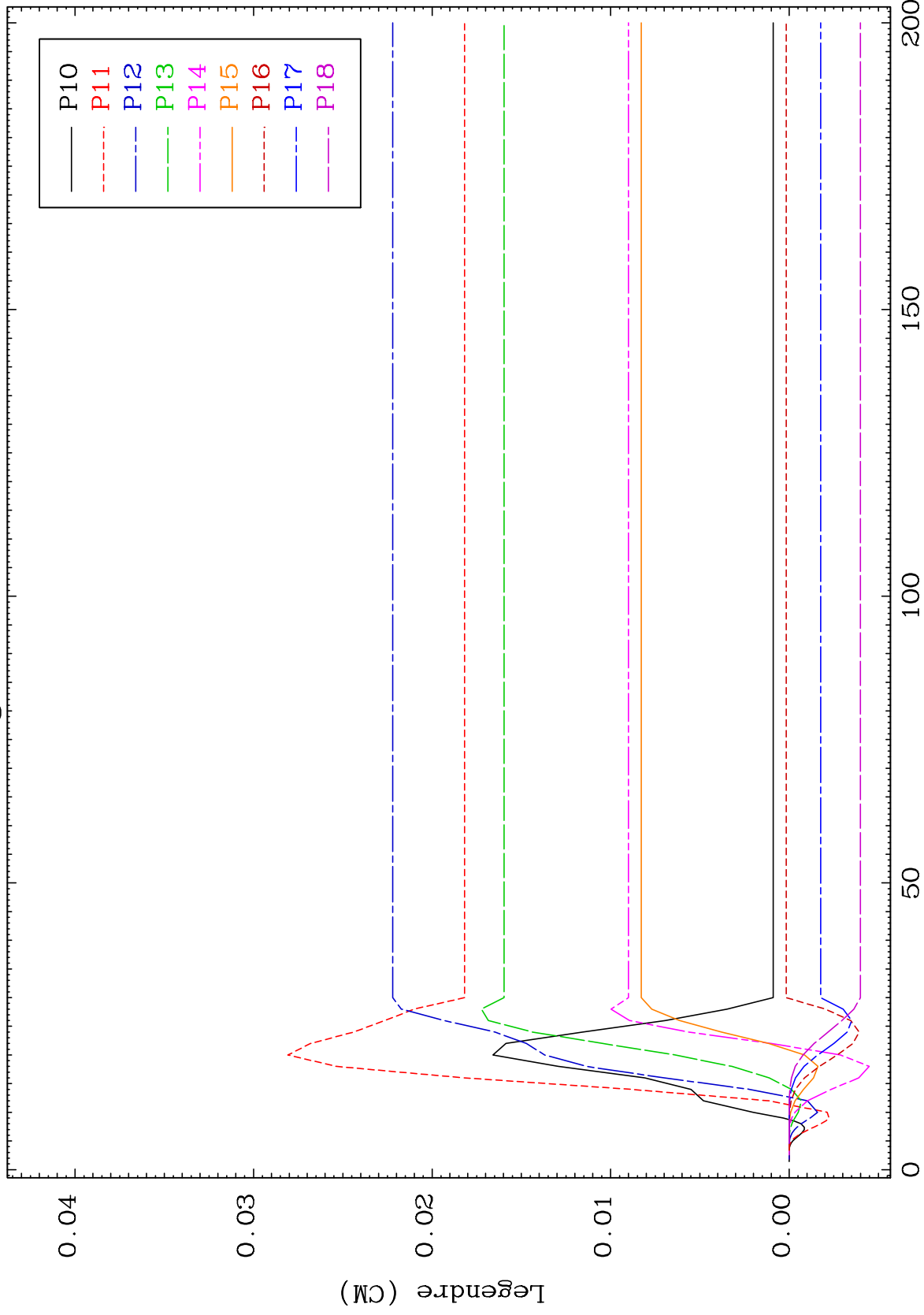




MAT 5295

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

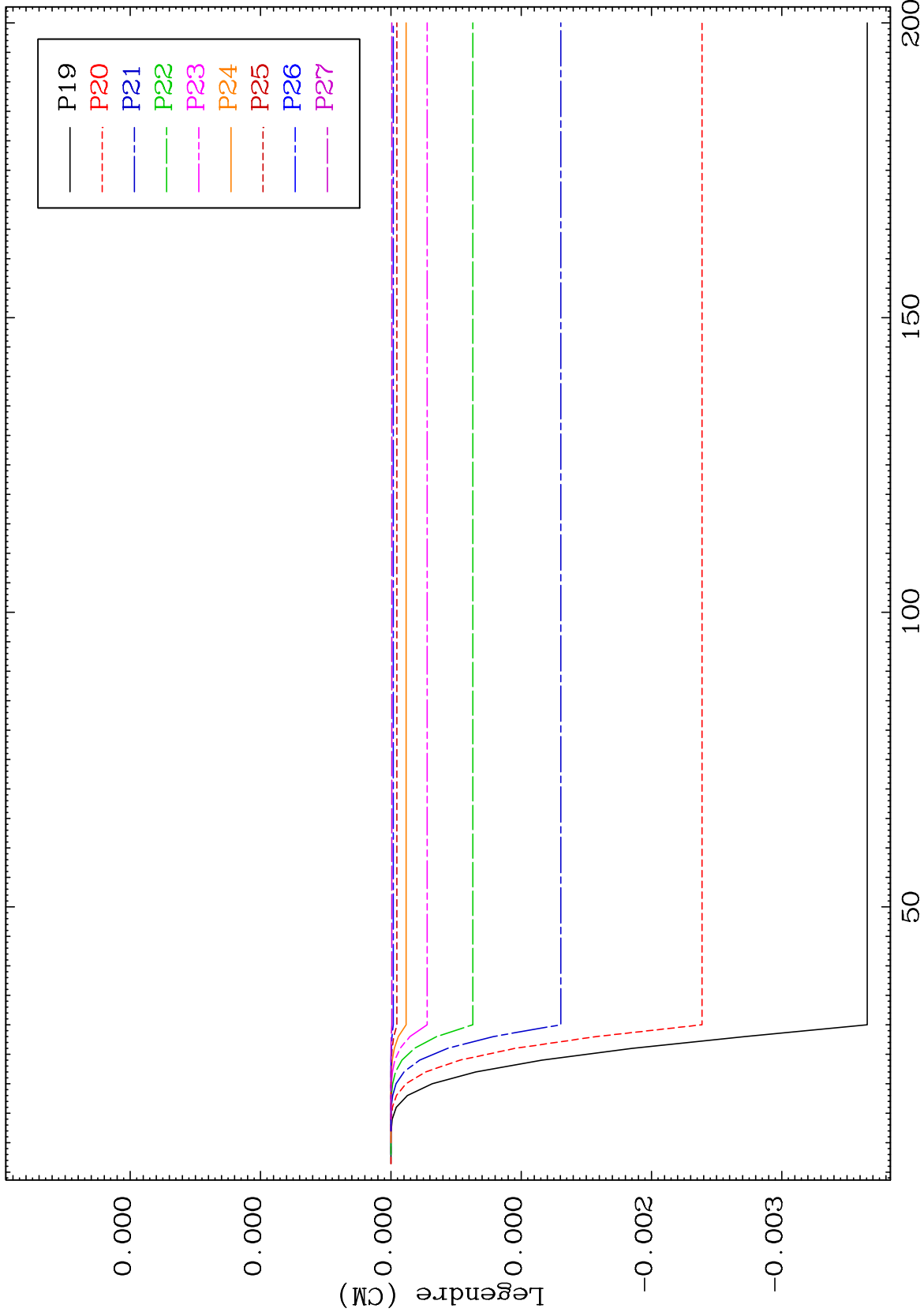
53-I -117



25

Incident Energy (MeV)

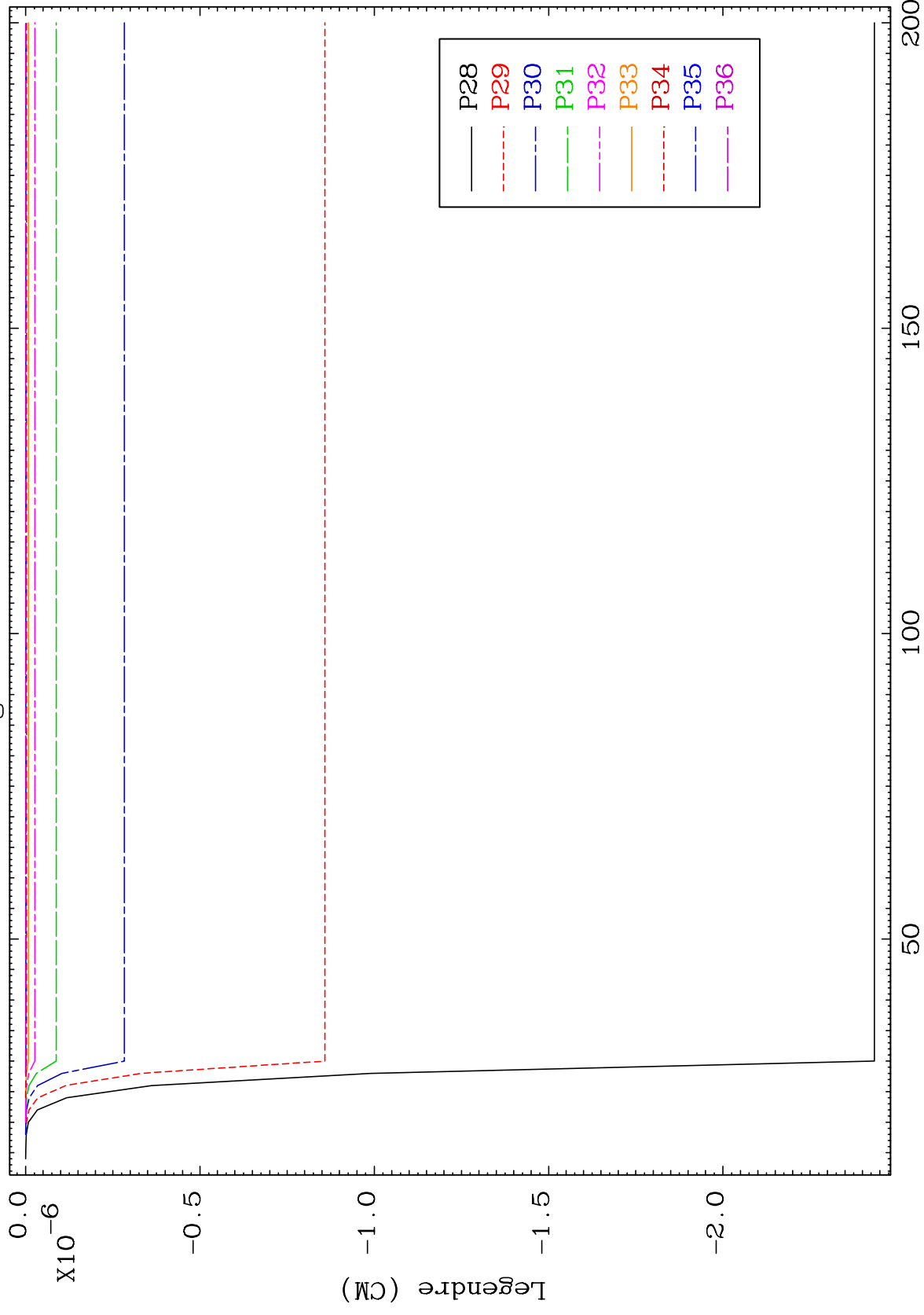
53-I -117



MAT 5295

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

53-I -117



27

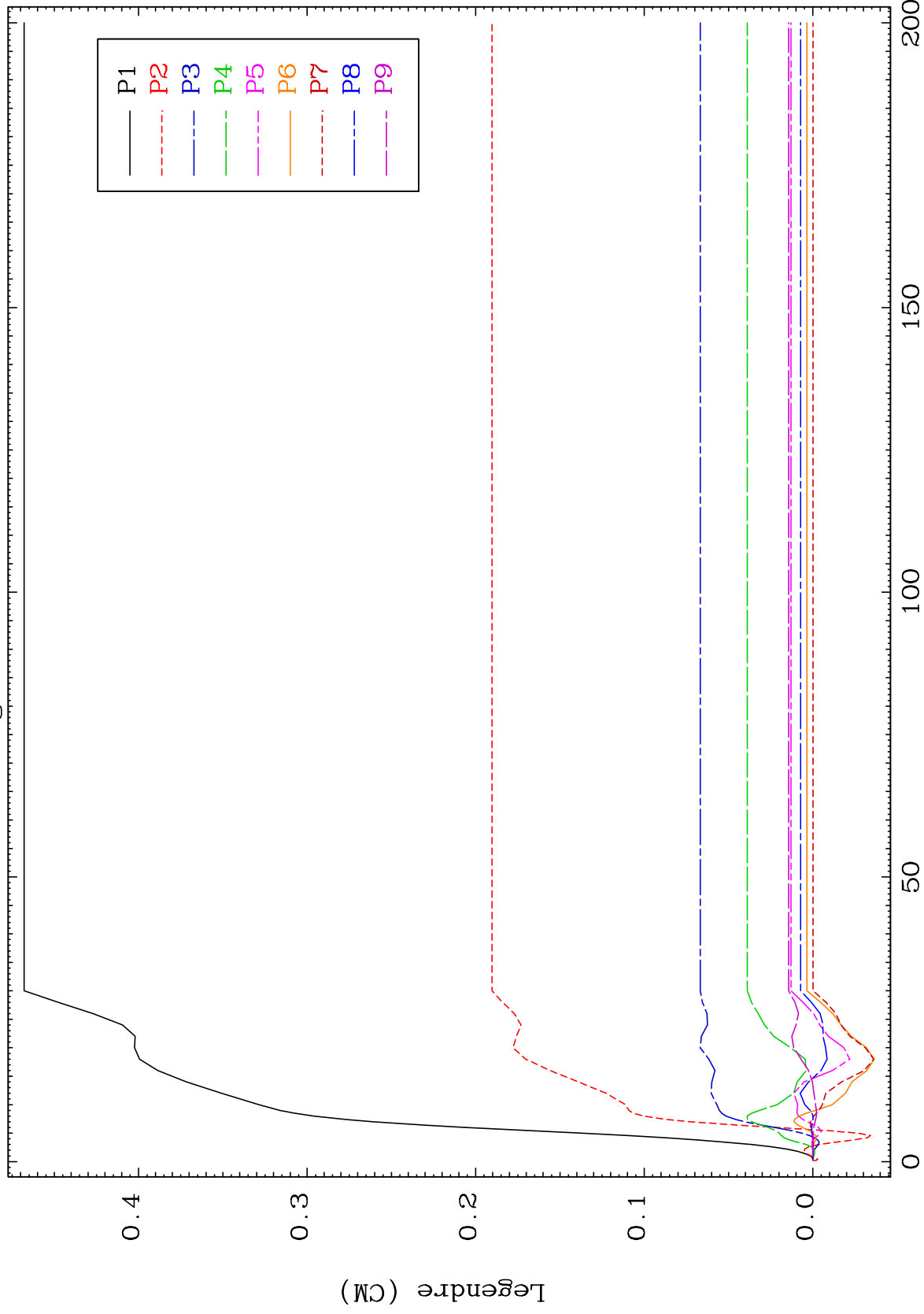
Incident Energy (MeV)

53-I -117

MAT 5295

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

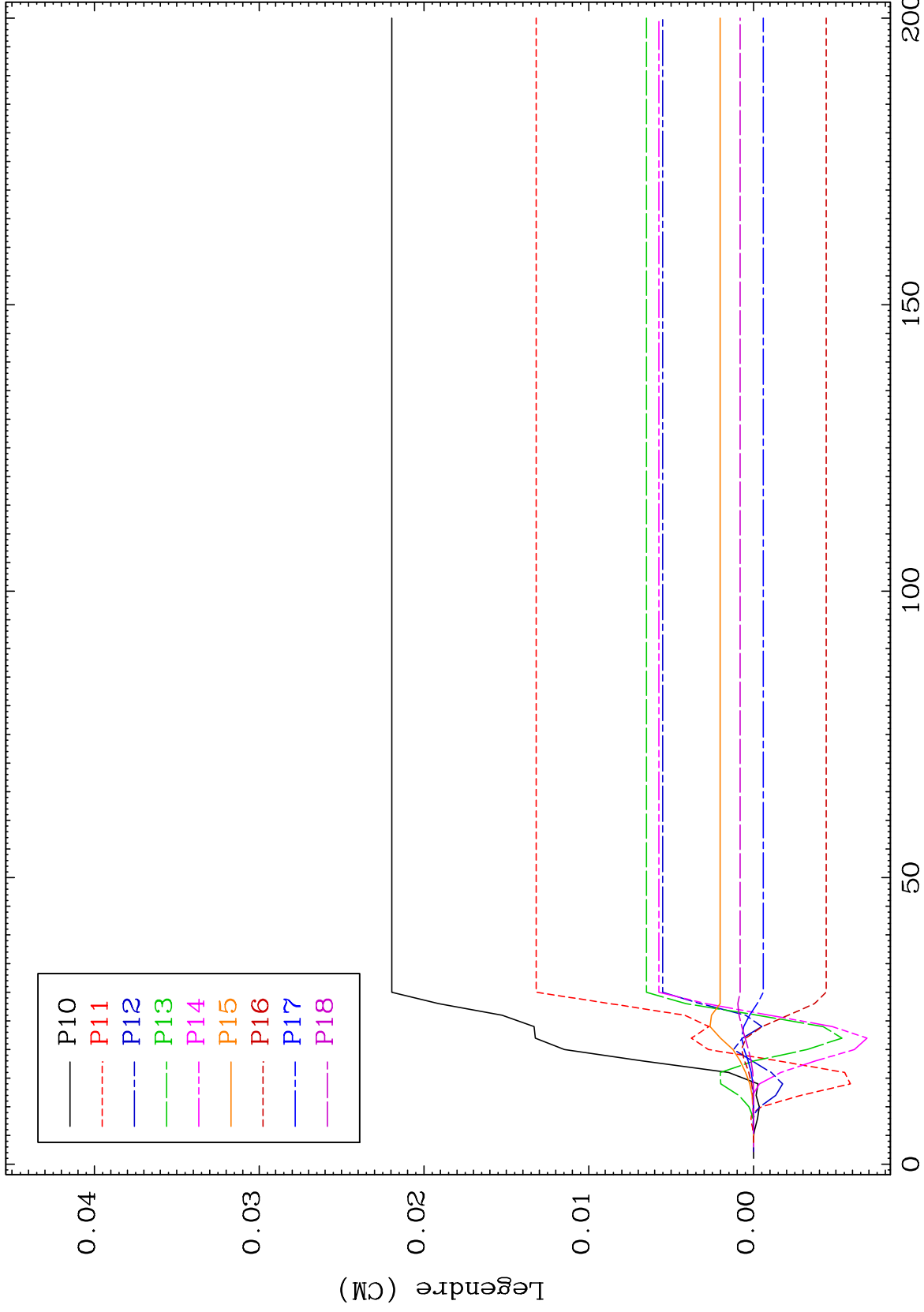
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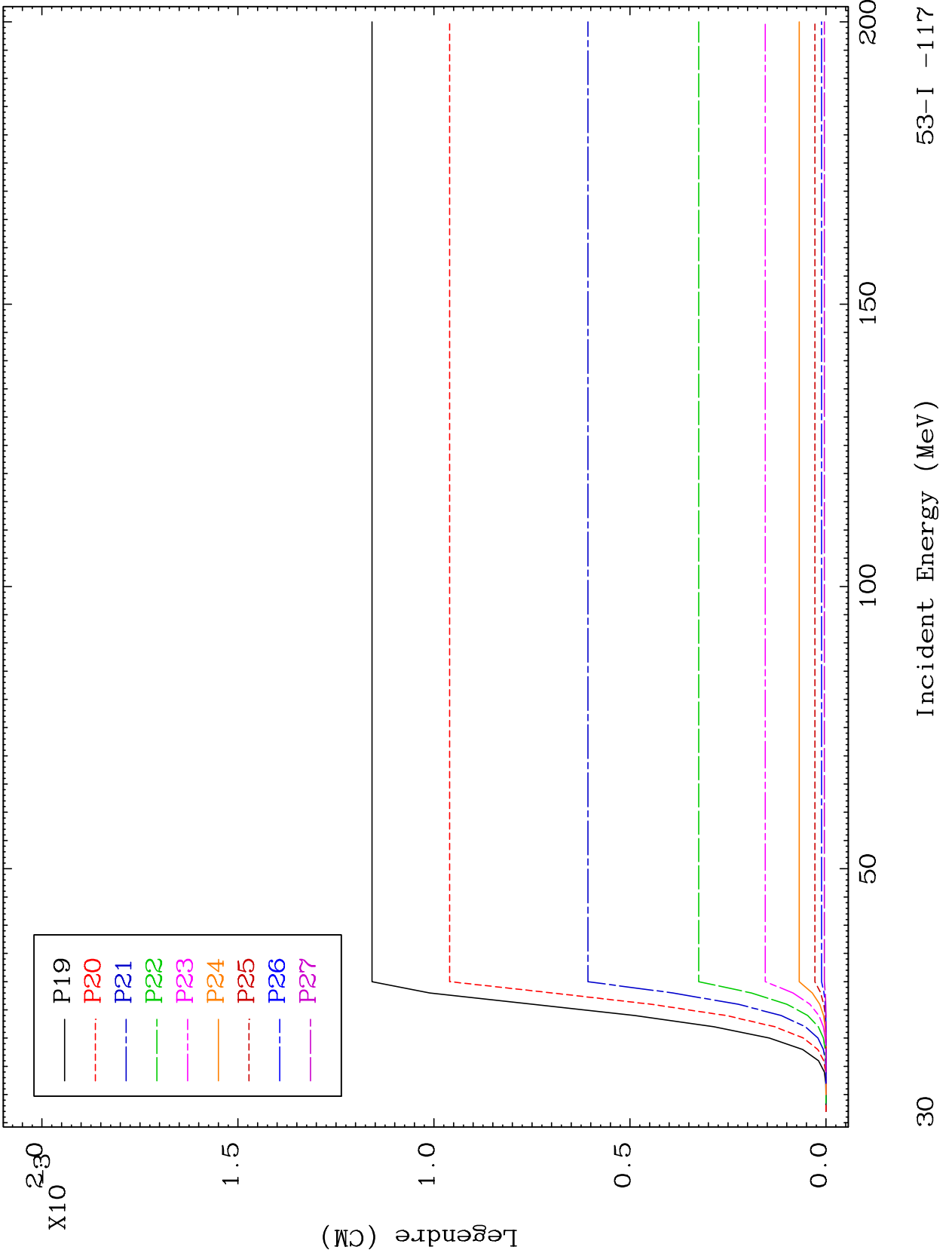


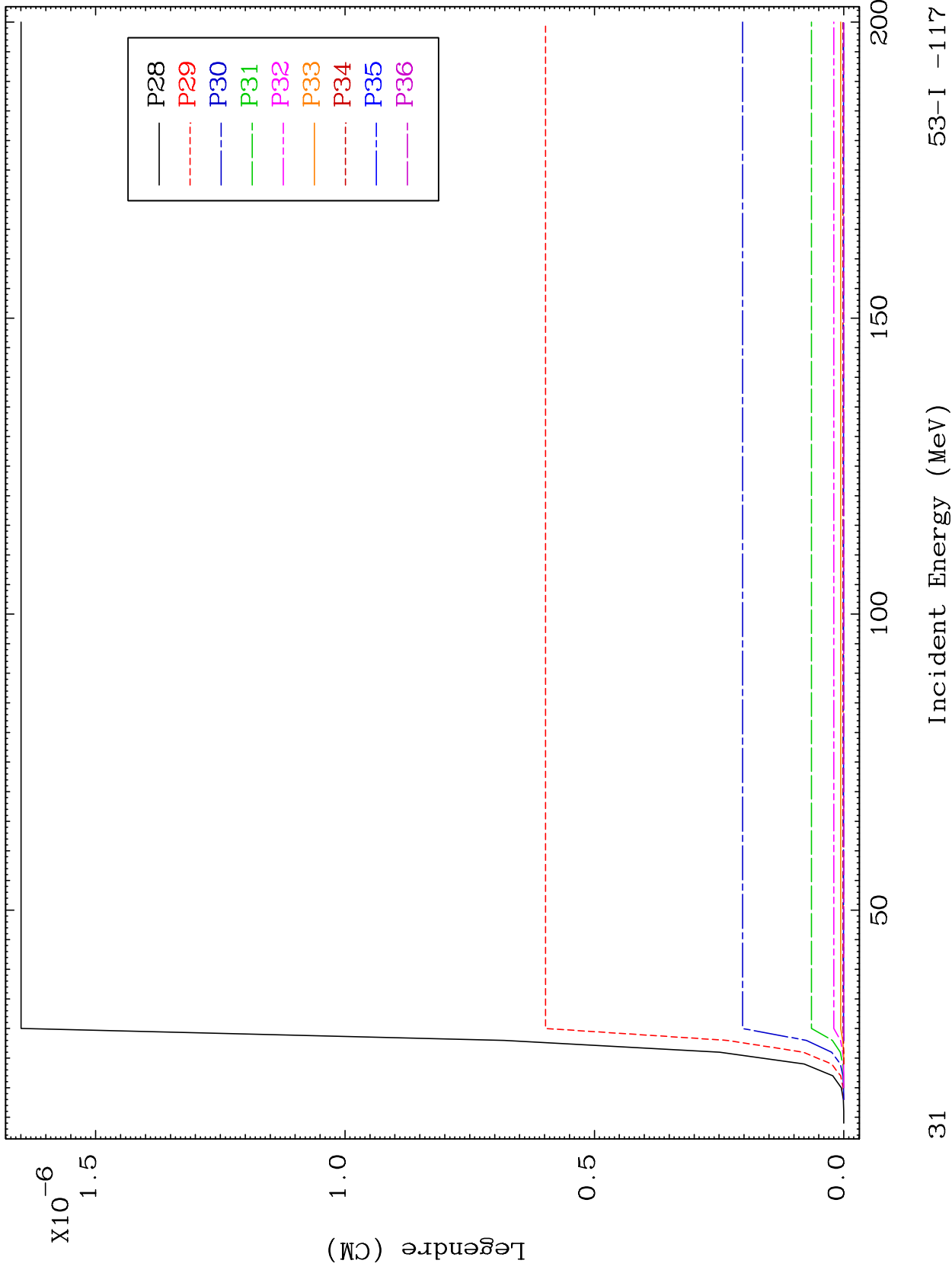
53-I -117

Incident Energy (MeV)

28





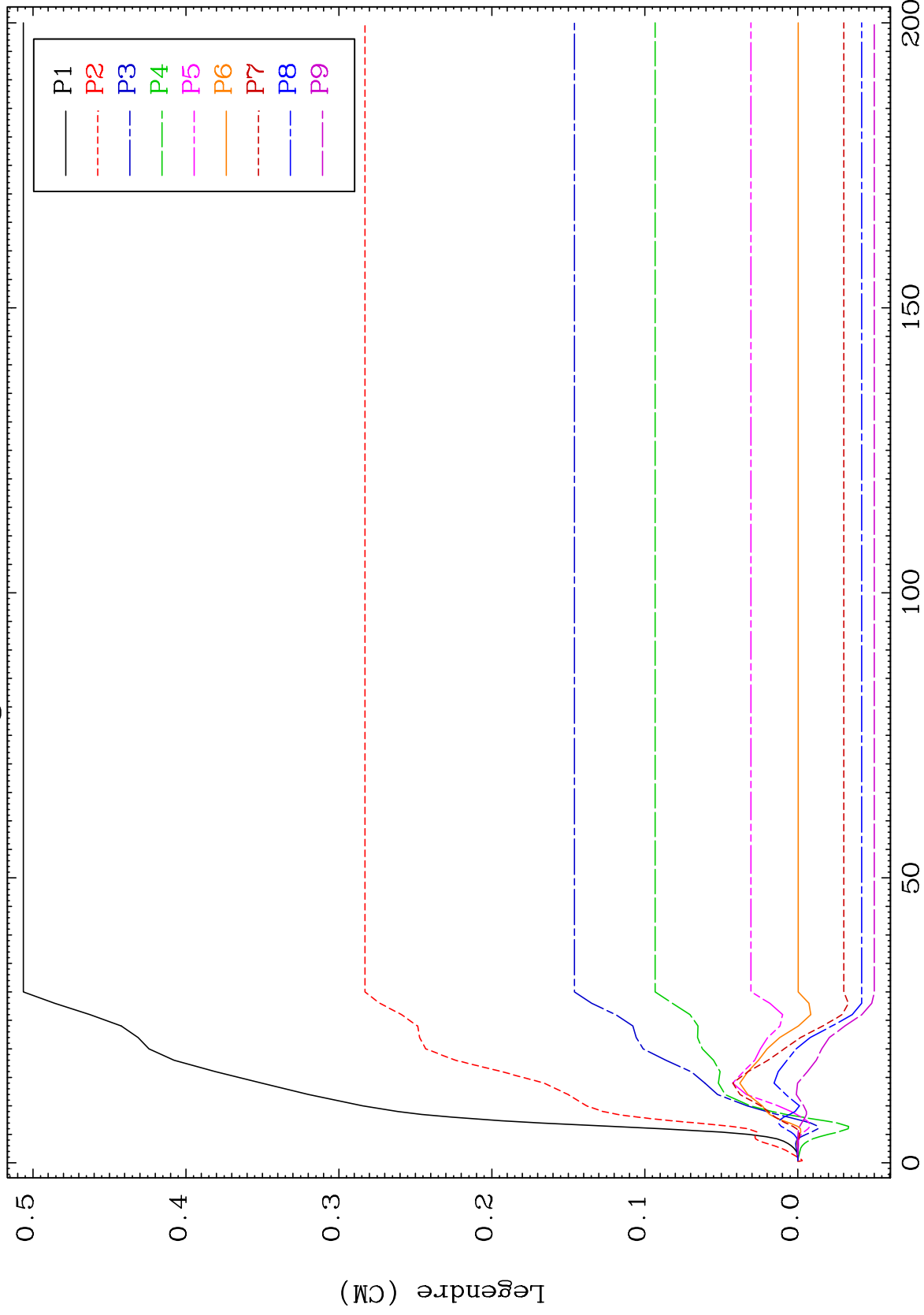




MAT 5295

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

53-I -117



32

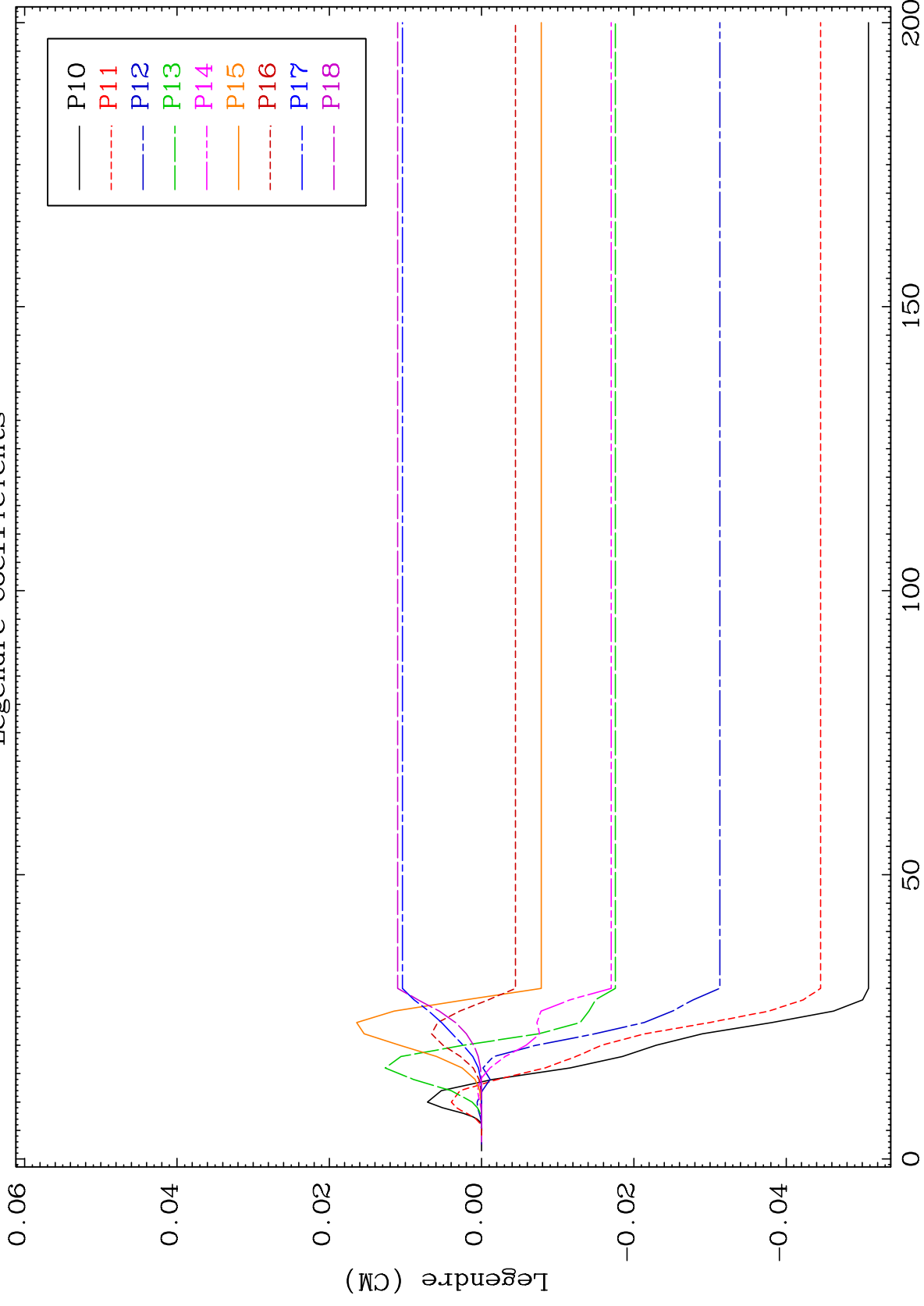
Incident Energy (MeV)

53-I -117

MAT 5295

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

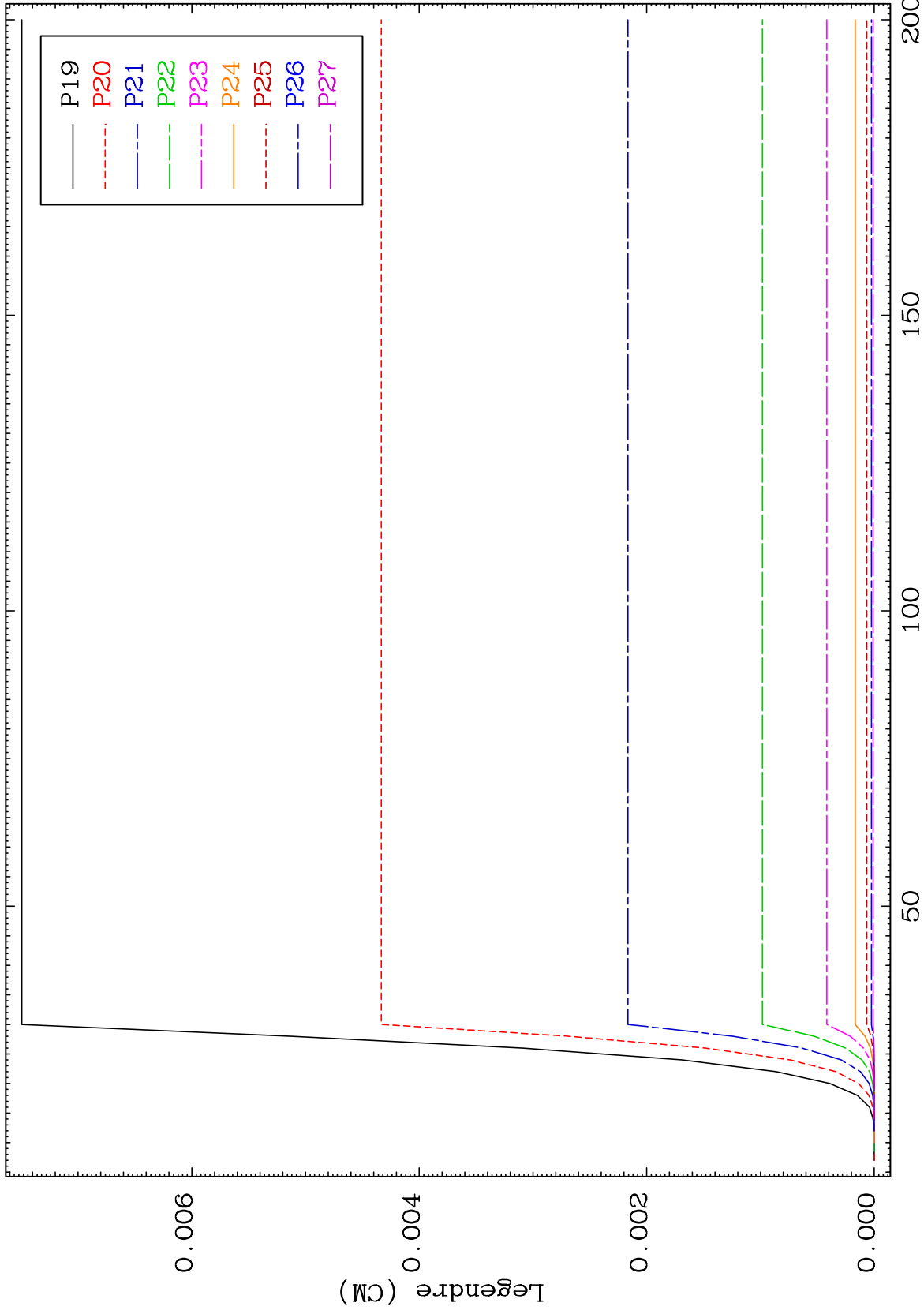
53-I -117



33

Incident Energy (MeV)

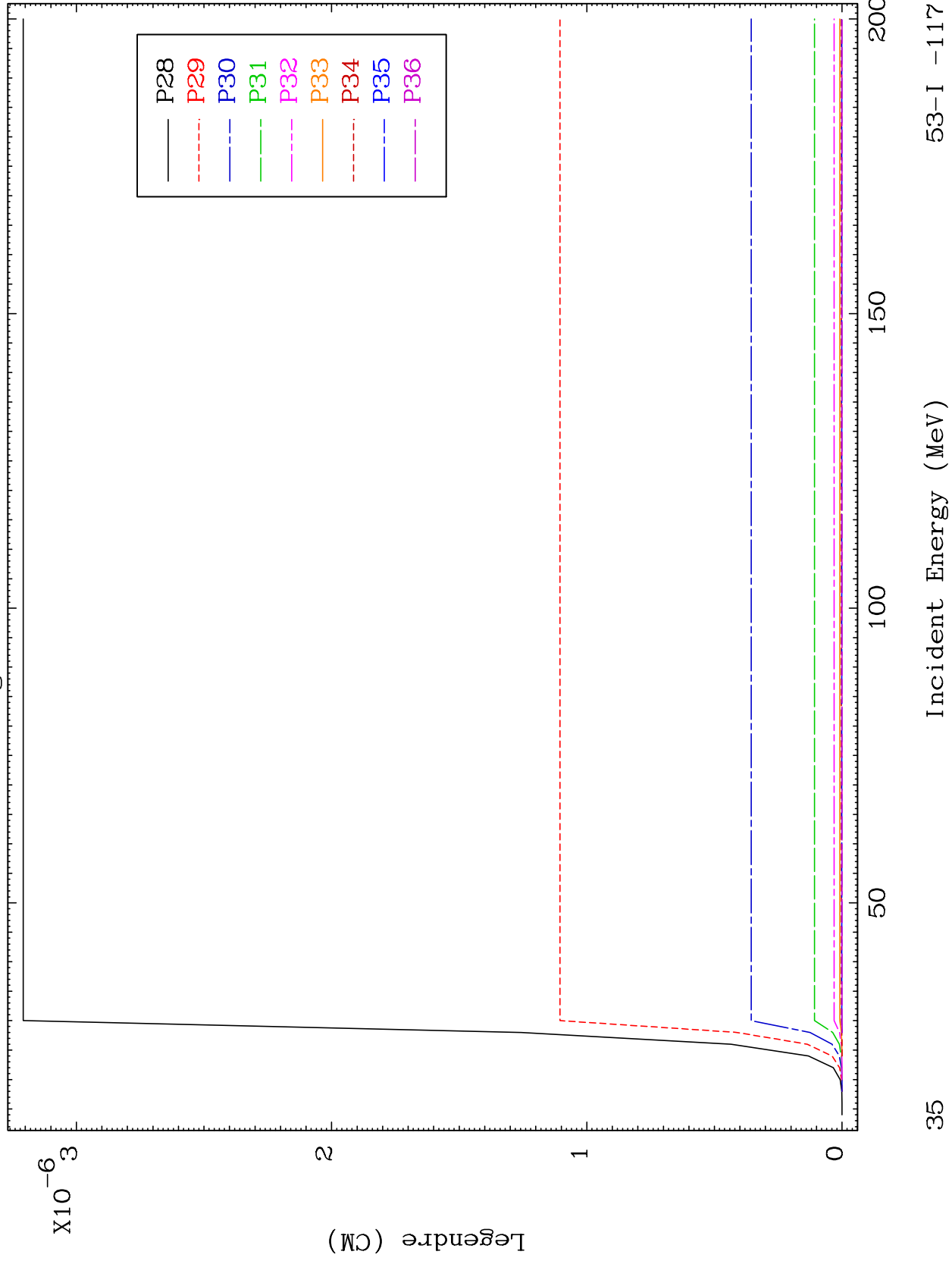
53-I -117



MAT 5295

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

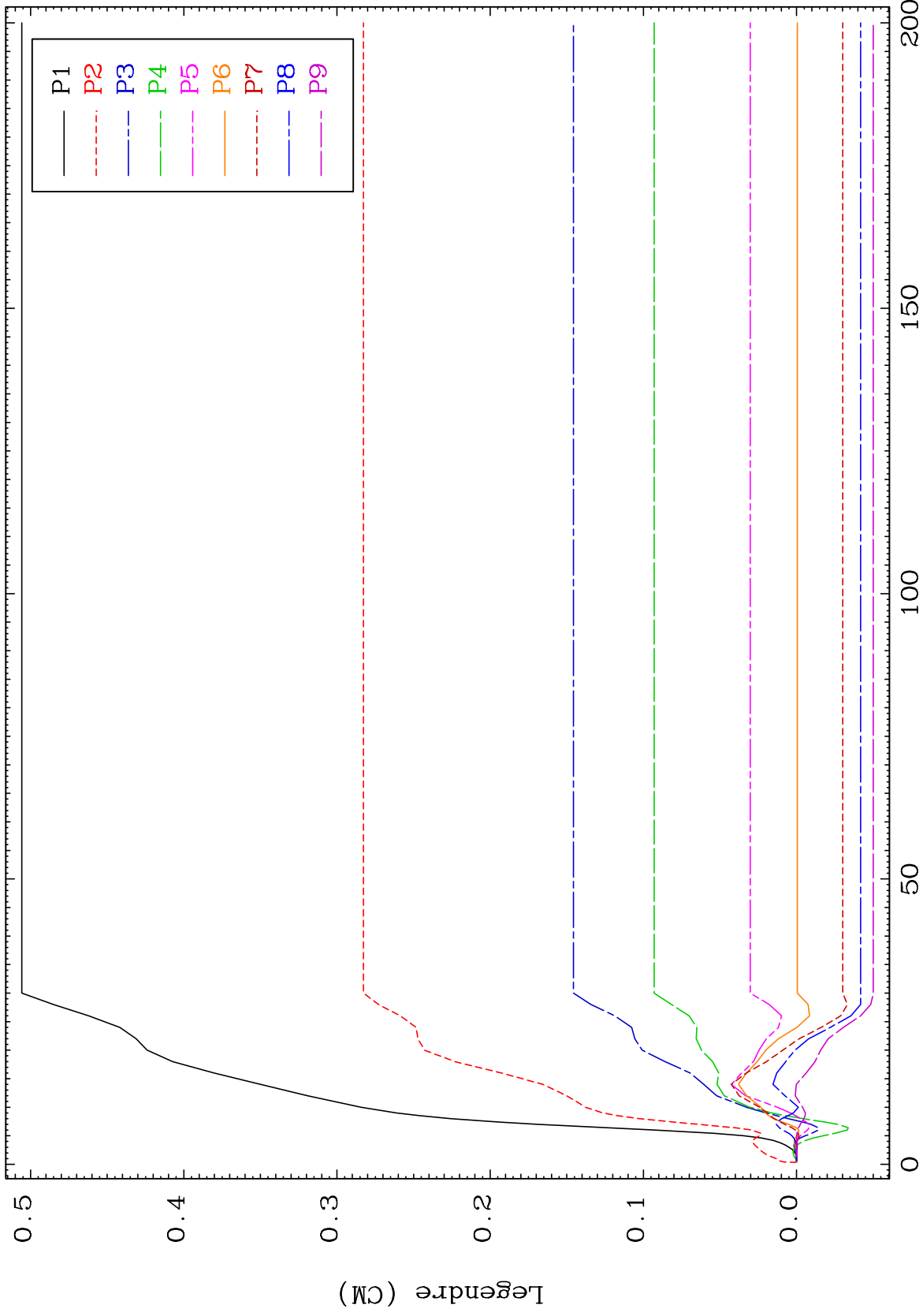
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35

Incident Energy (MeV)

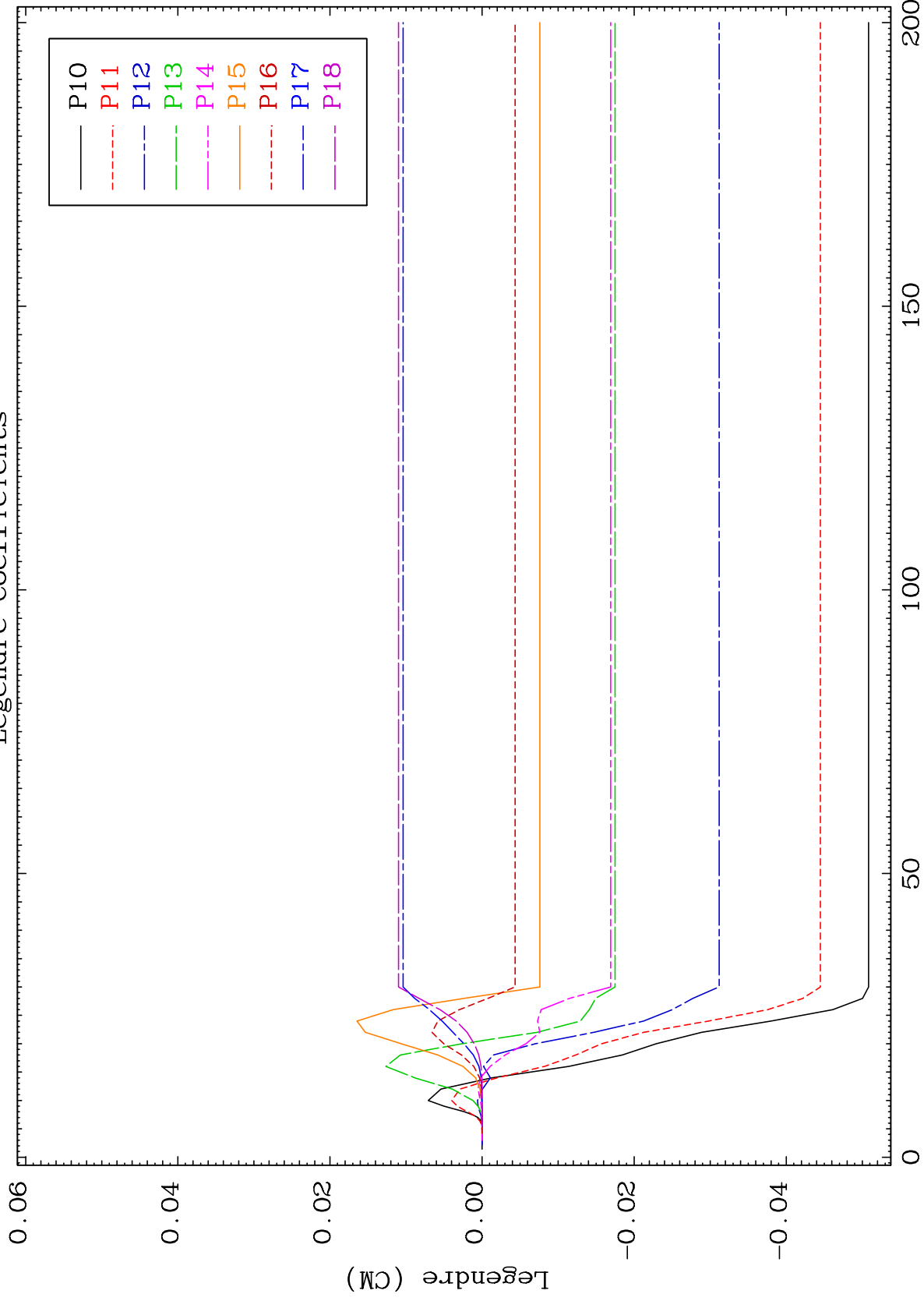
53-I -117



MAT 5295

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

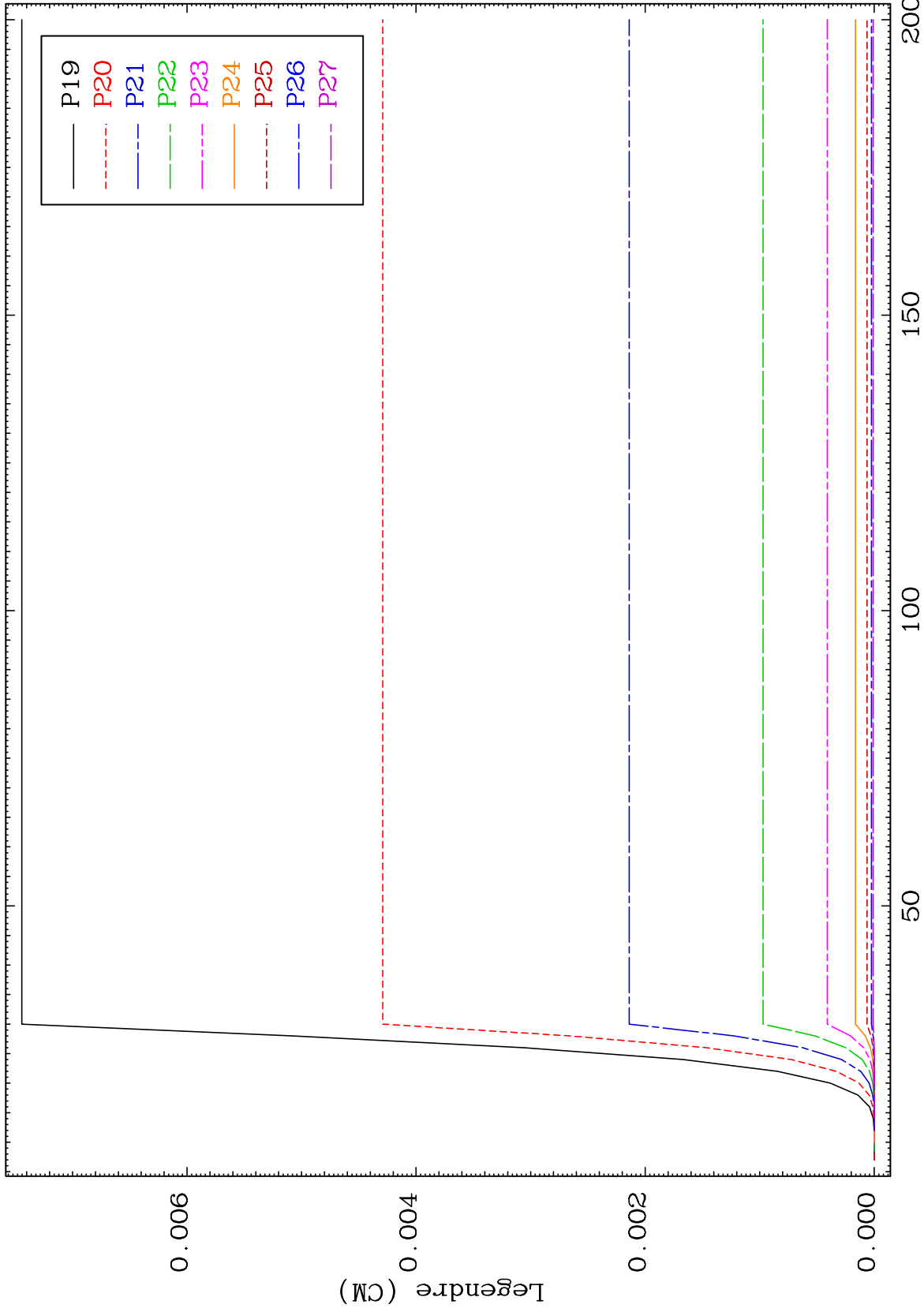
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37

Incident Energy (MeV)

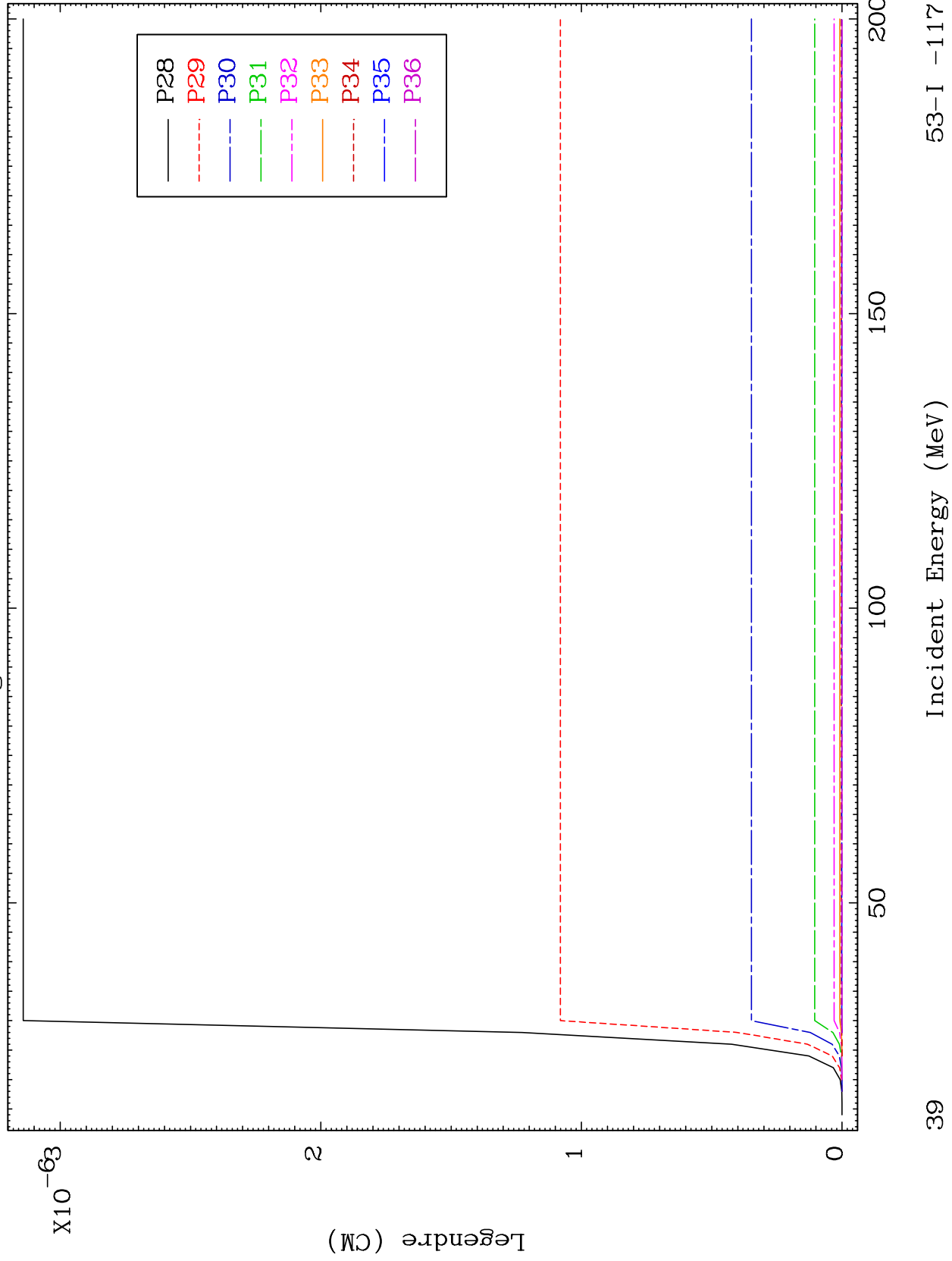
53-I -117



MAT 5295

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

53-I -117

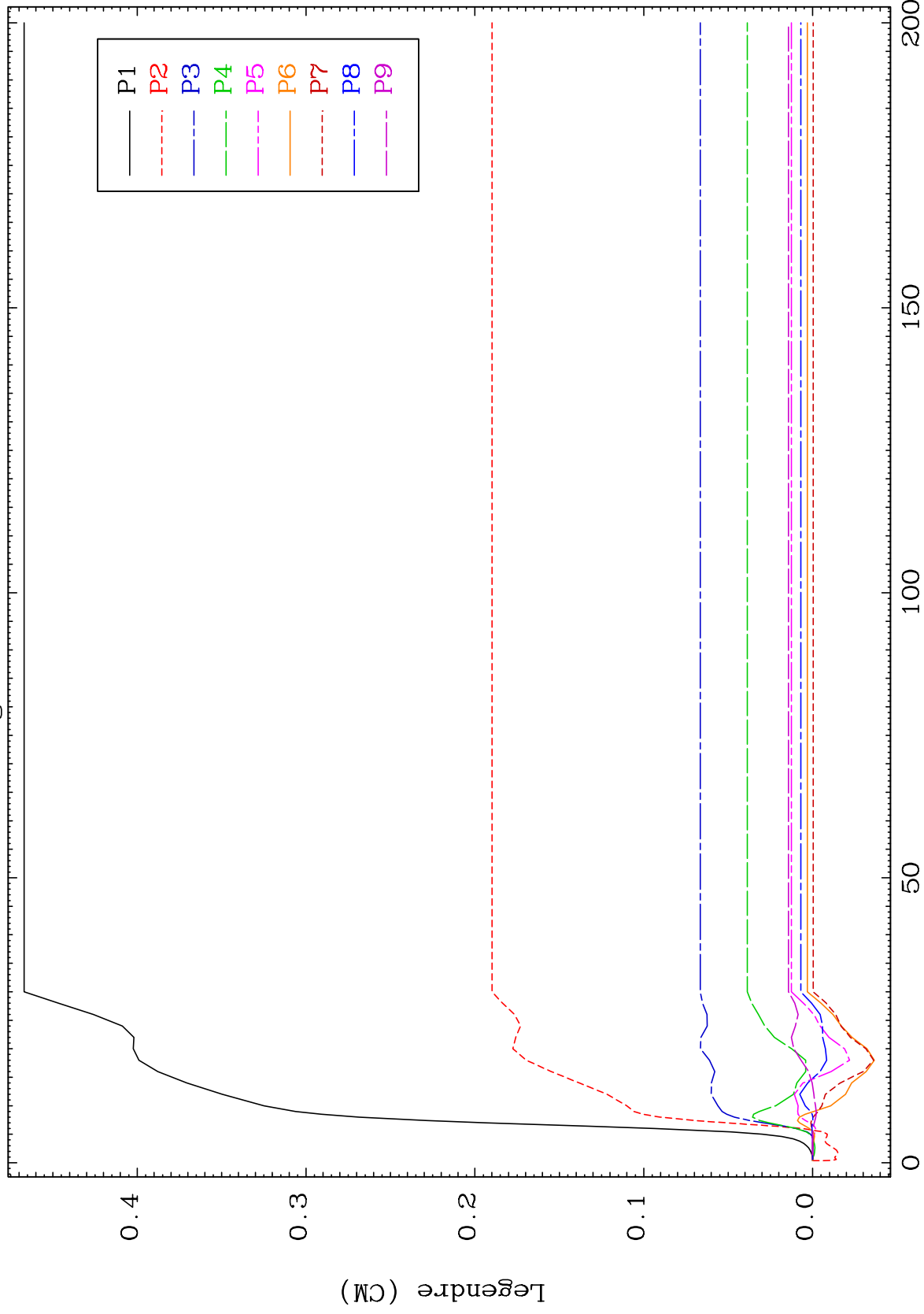




MAT 5295

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

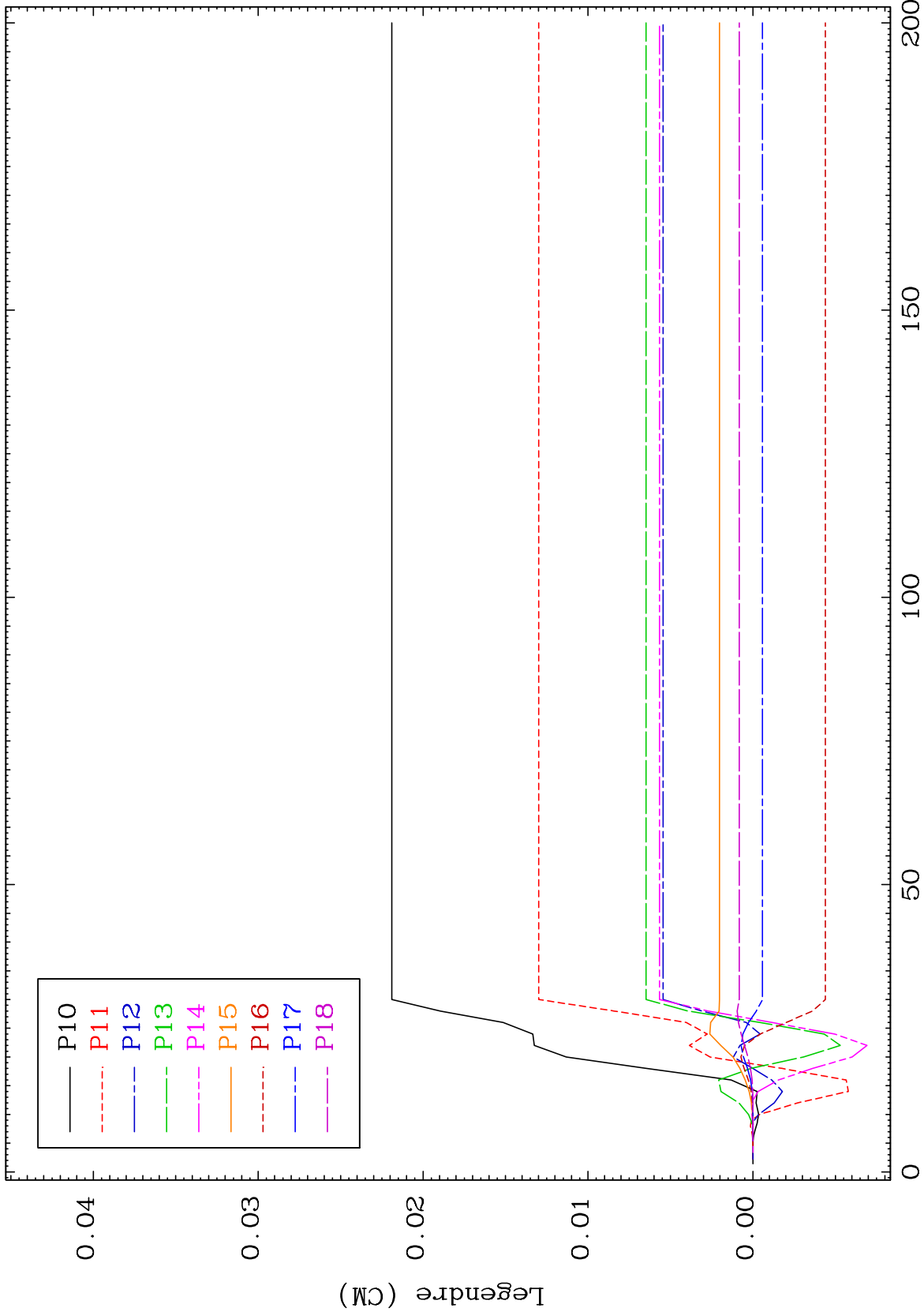
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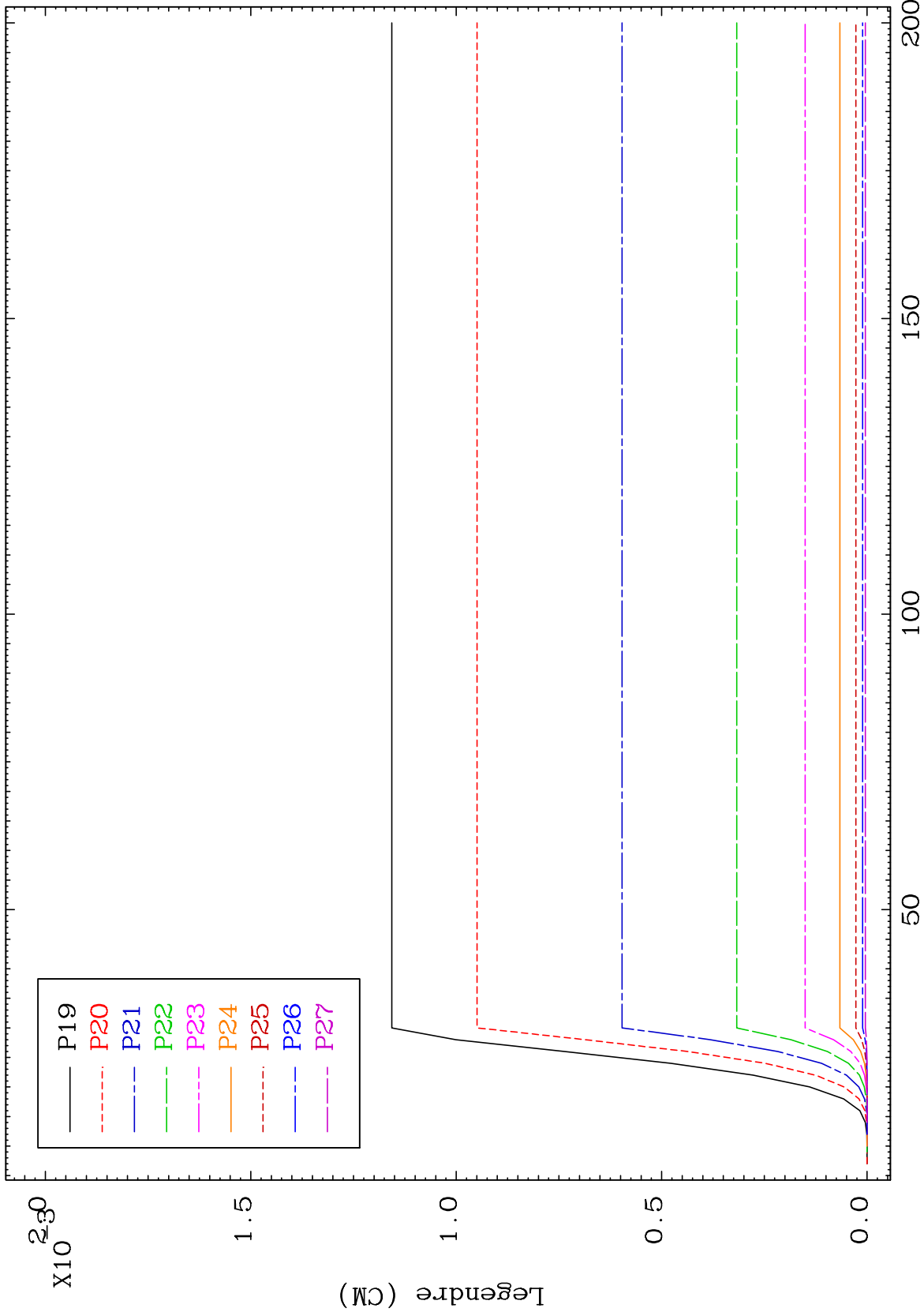


53-I -117

Incident Energy (MeV)

40

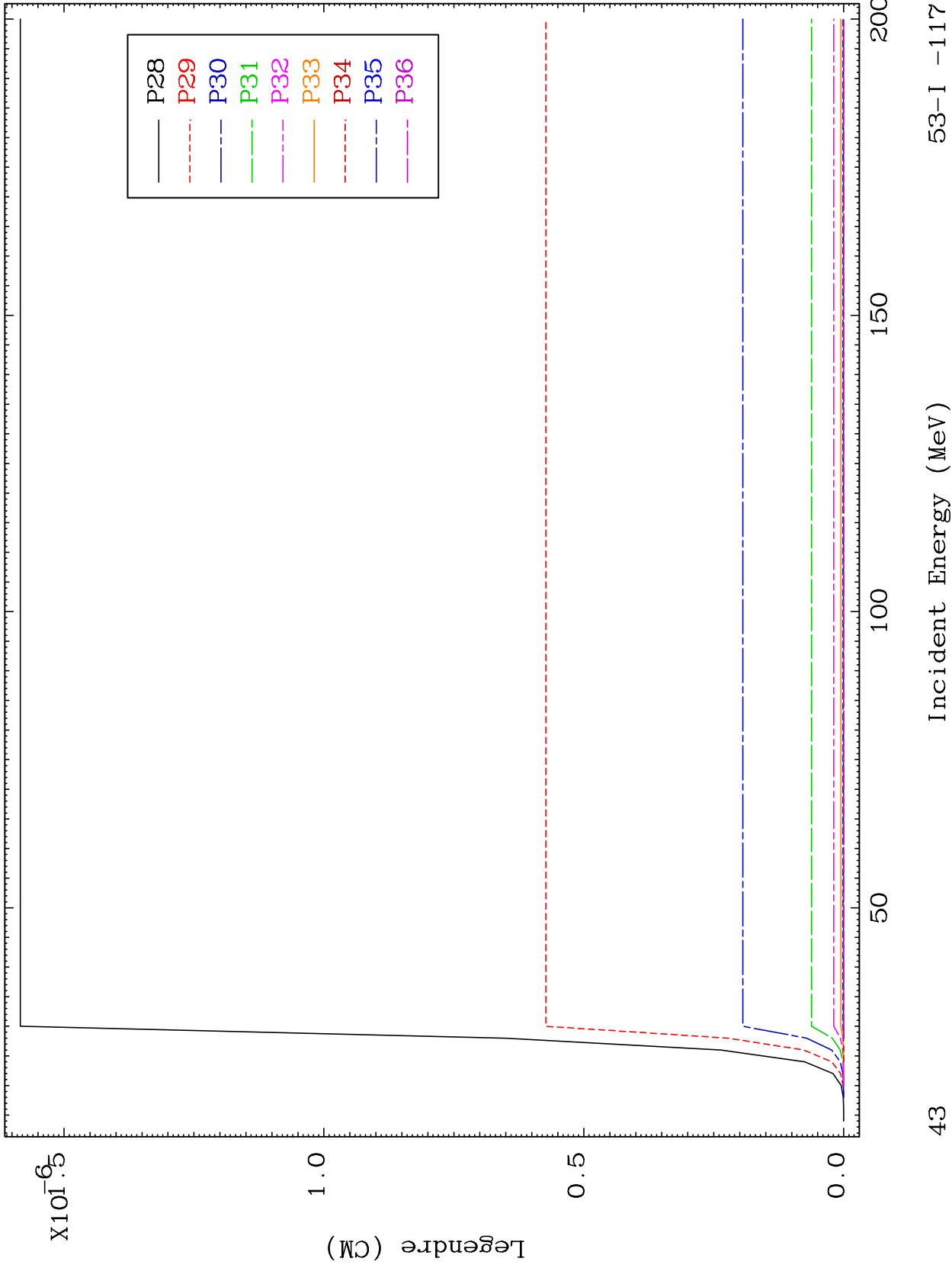




MAT 5295

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

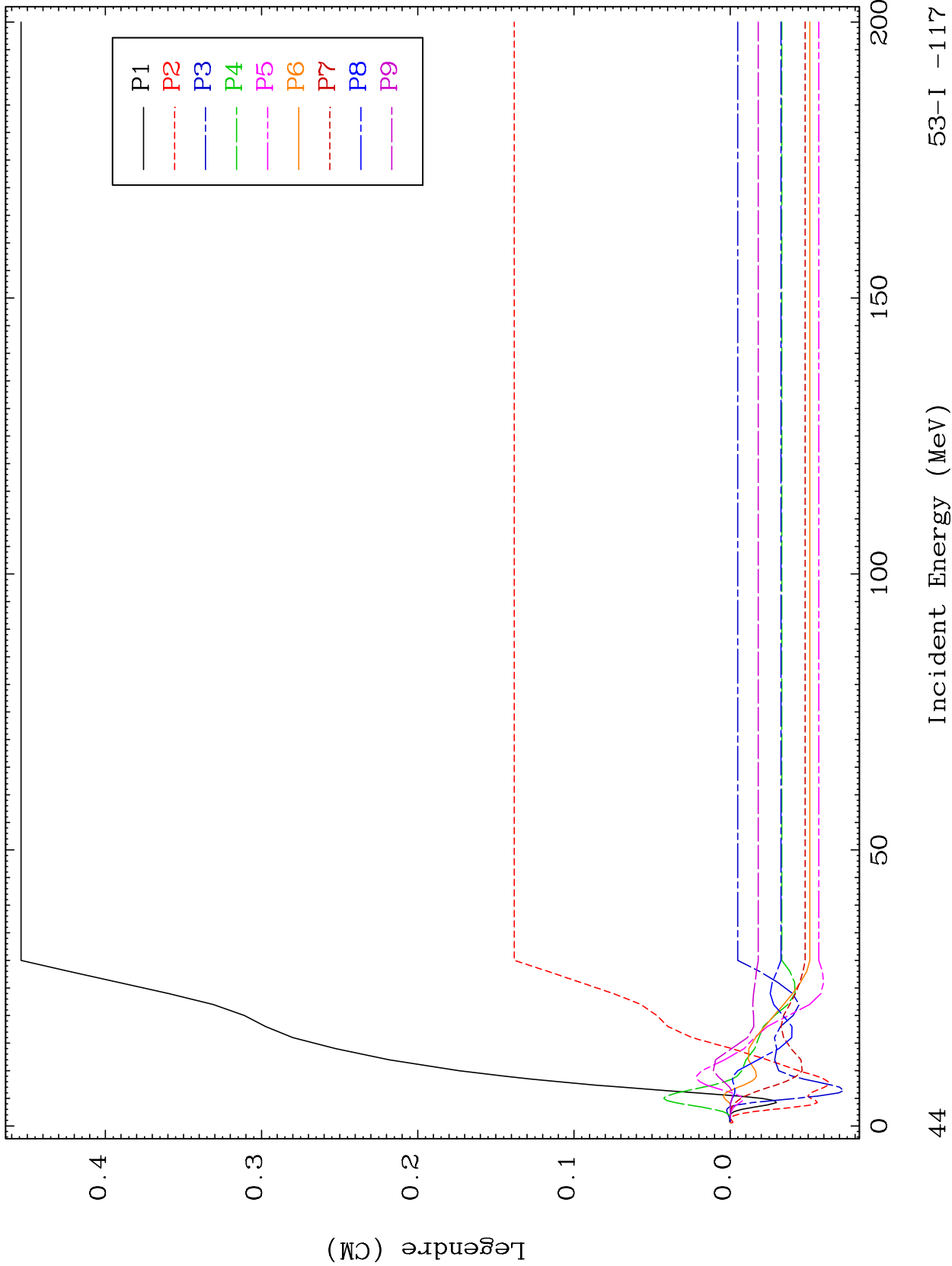
53-I -117



43

Incident Energy (MeV)

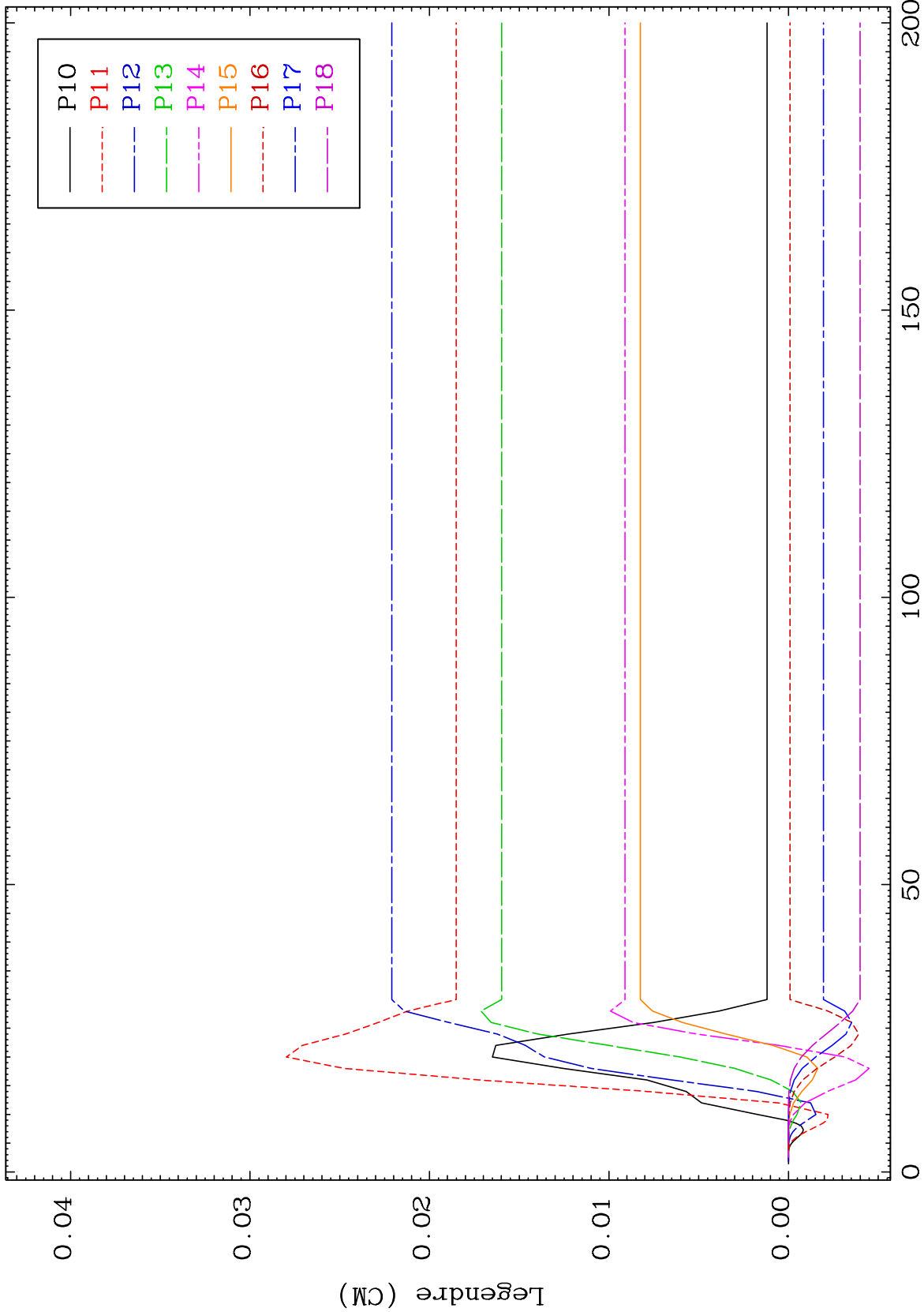
53-I -117



MAT 5295

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

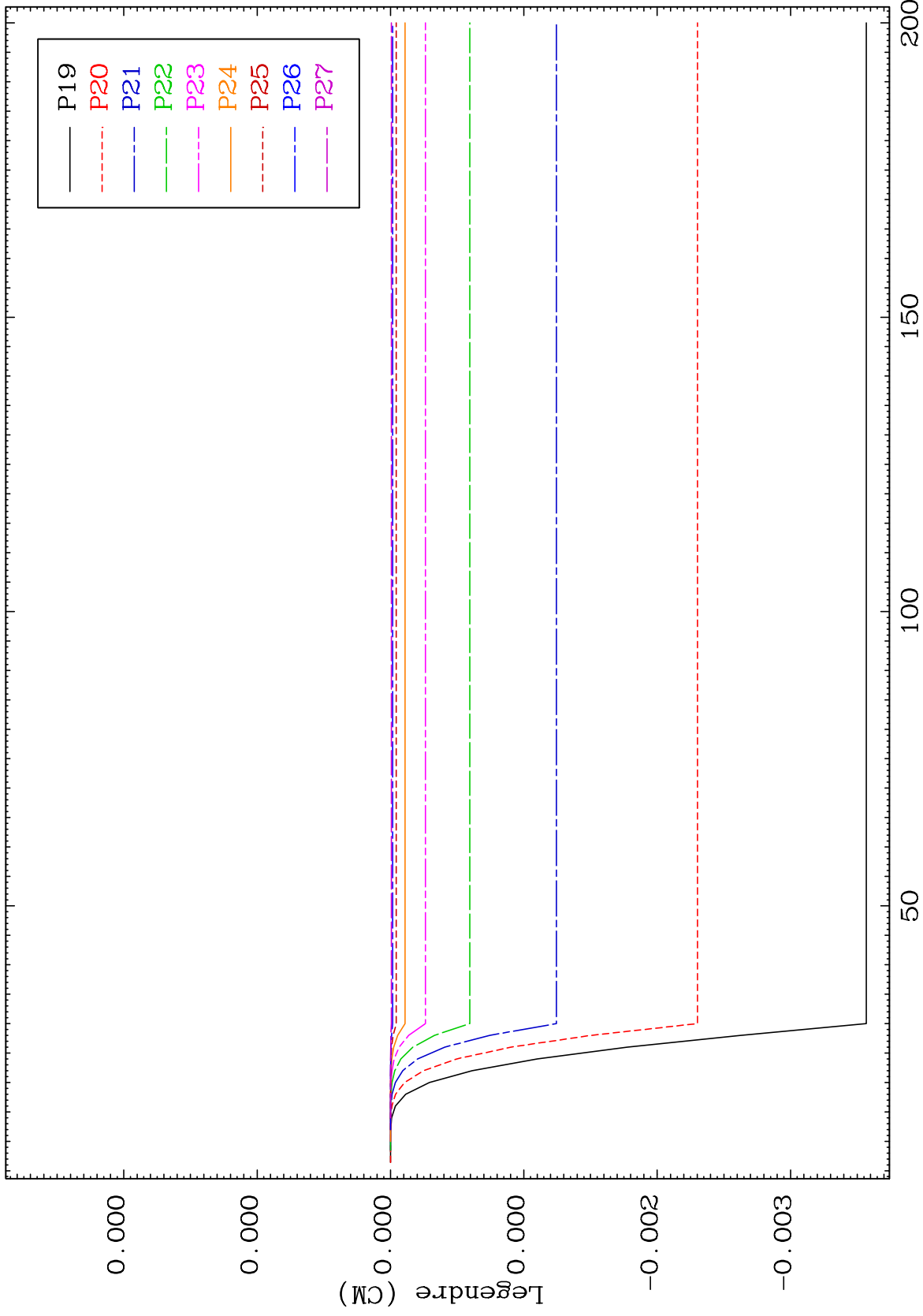
53-I -117



53-I -117

Incident Energy (MeV)

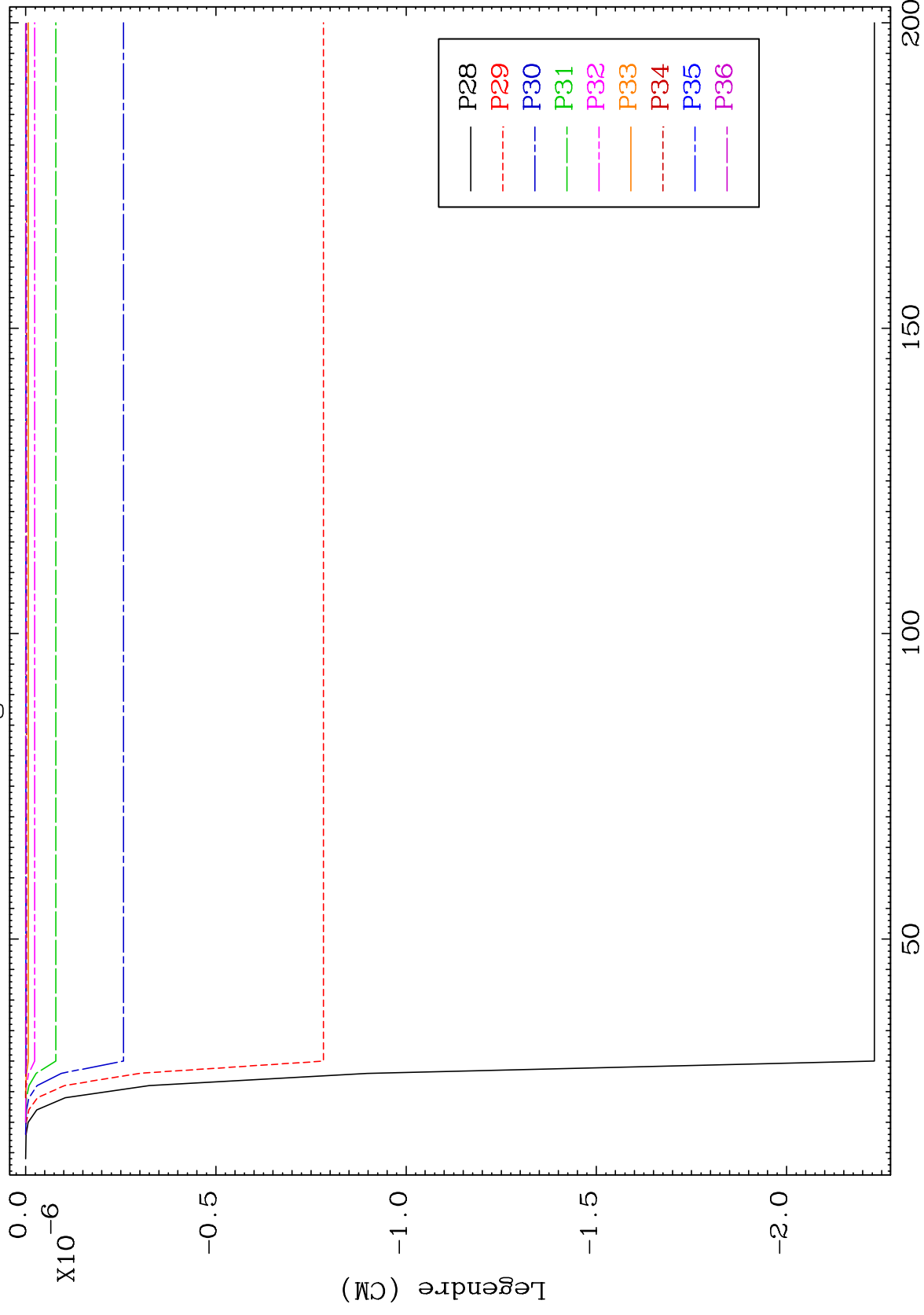
45



MAT 5295

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

53-I -117



47

Incident Energy (MeV)

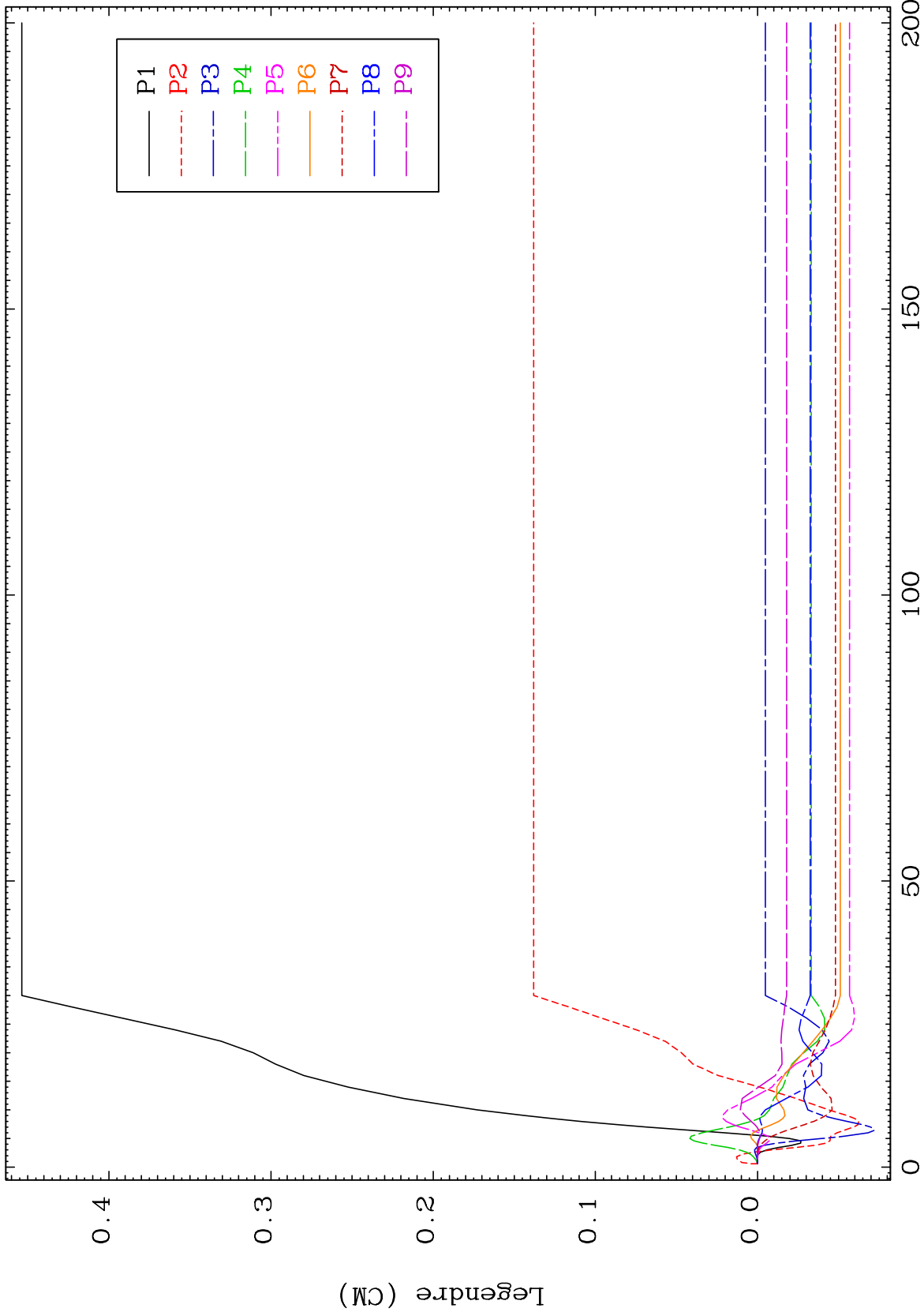
53-I -117



MAT 5295

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

53-I -117



48

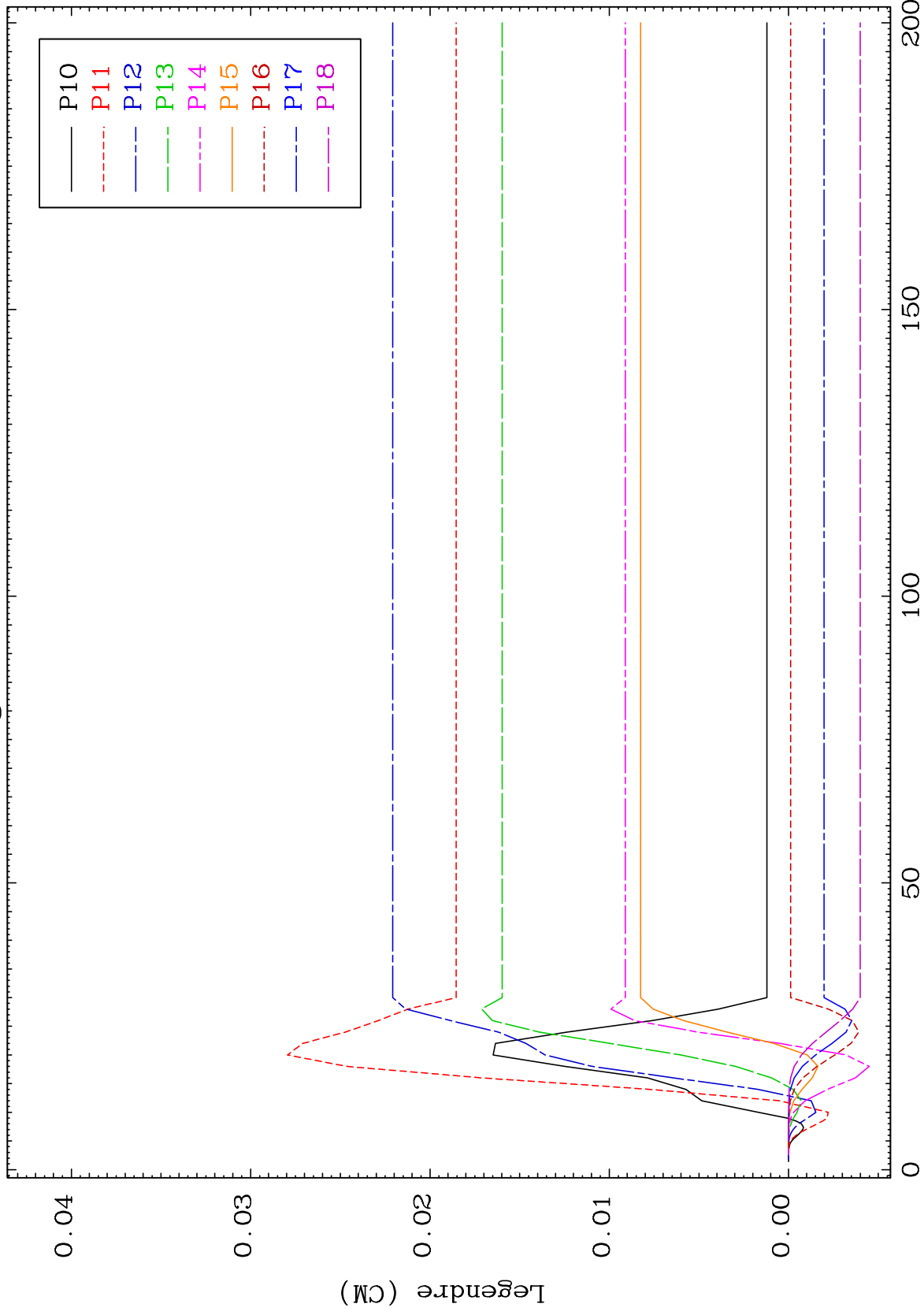
Incident Energy (MeV)

53-I -117

MAT 5295

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

53-I -117



49

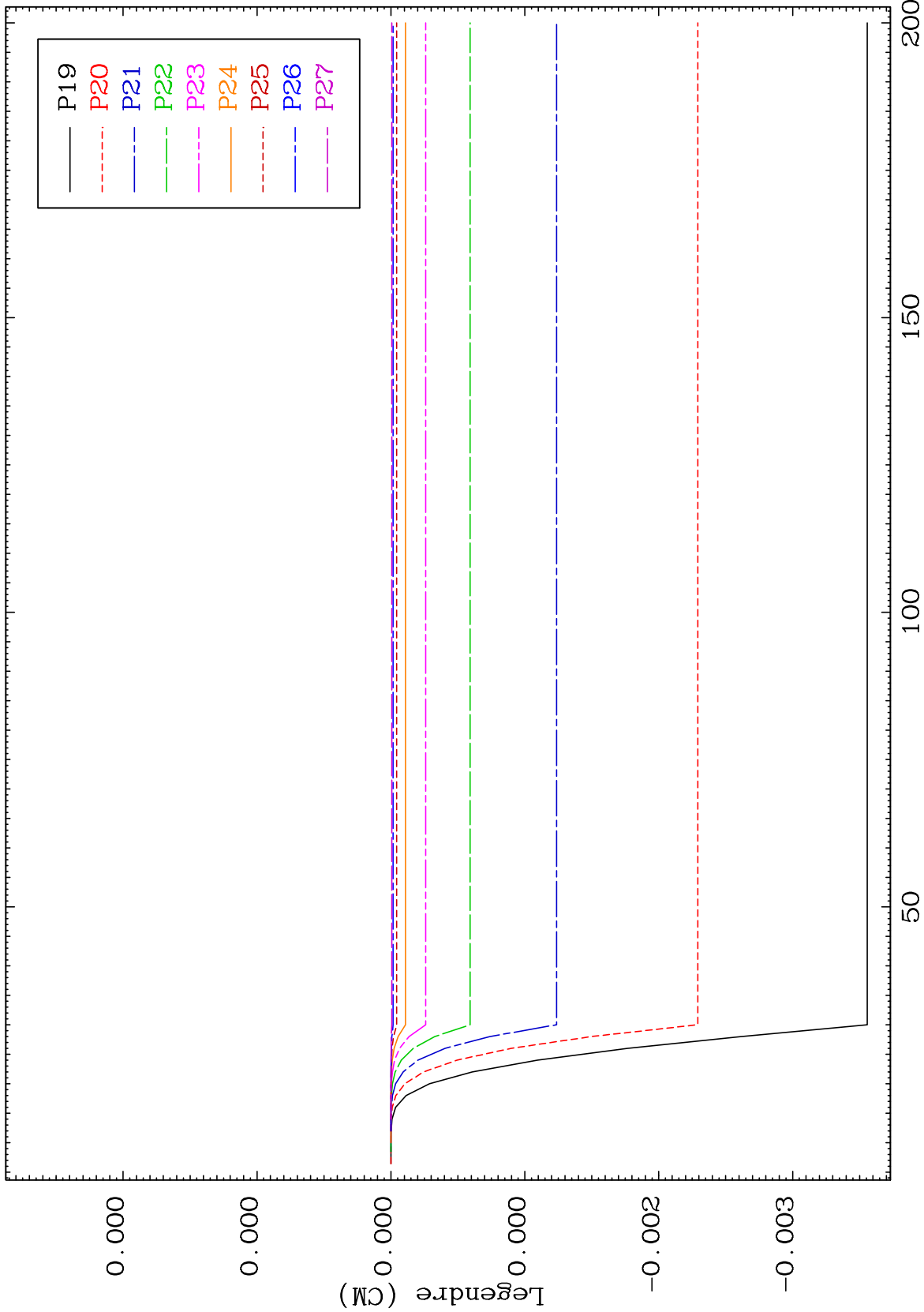
Incident Energy (MeV)

53-I -117

MAT 5295

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

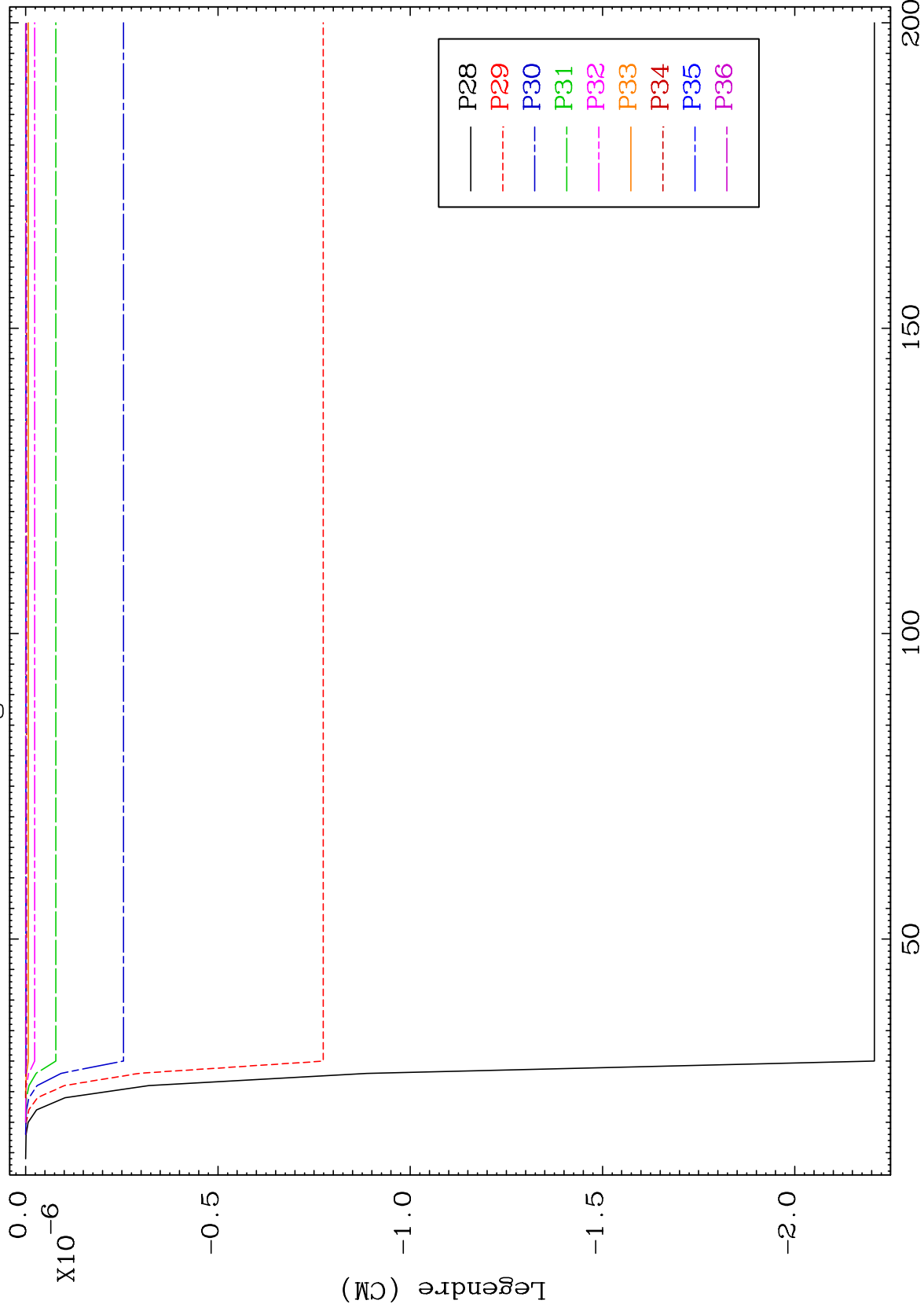
53-I -117



50

Incident Energy (MeV)

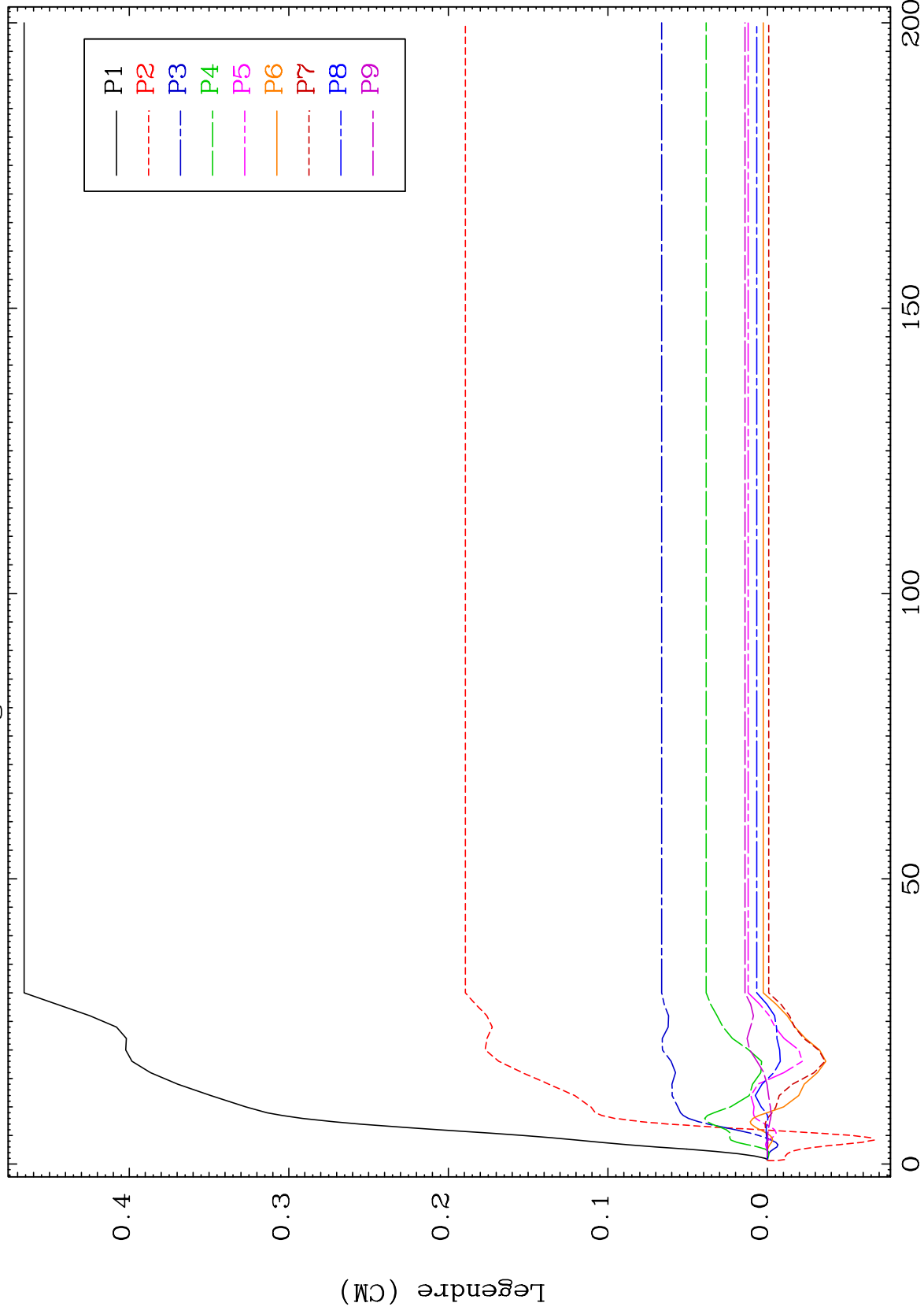
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MAT 5295

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

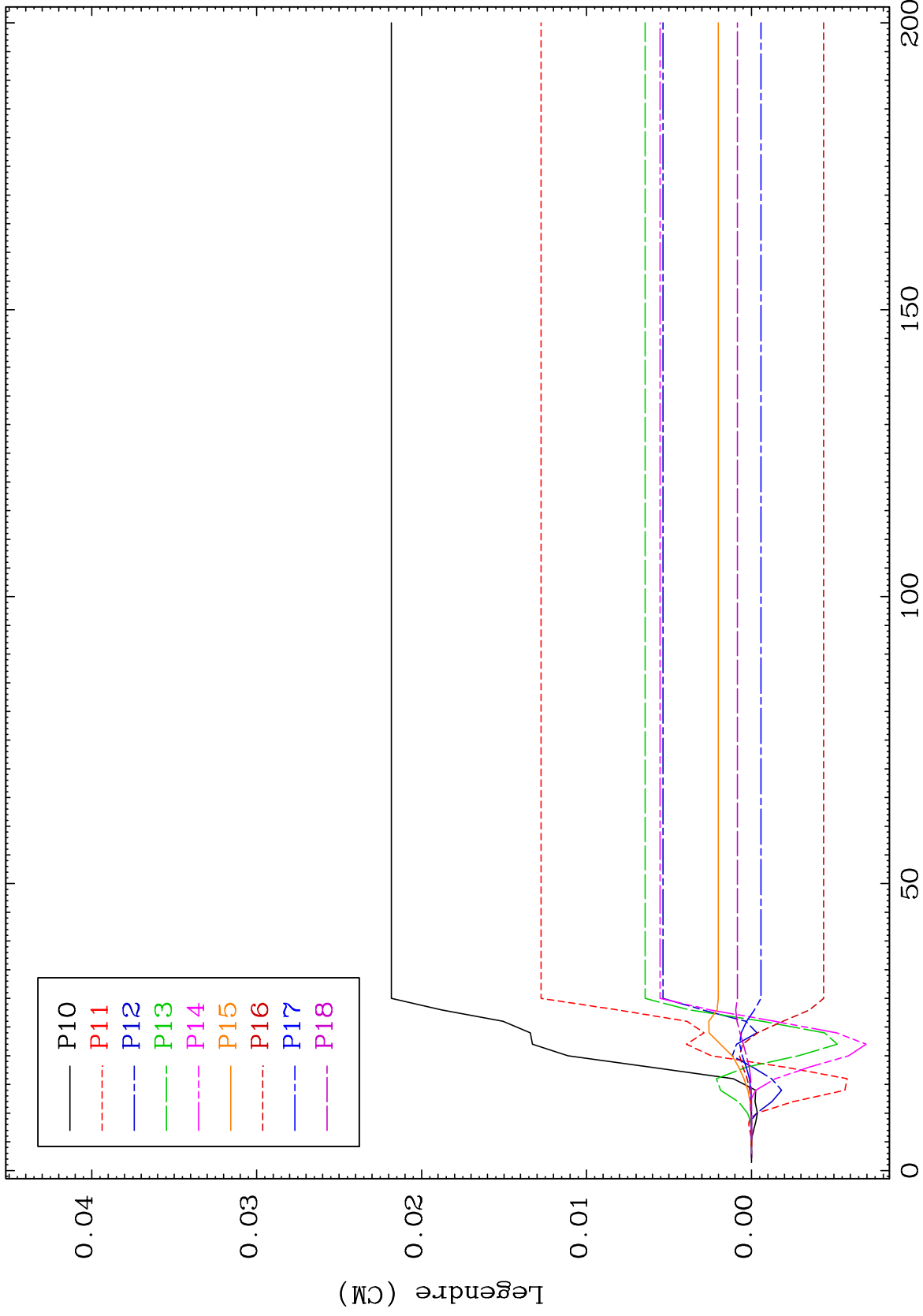
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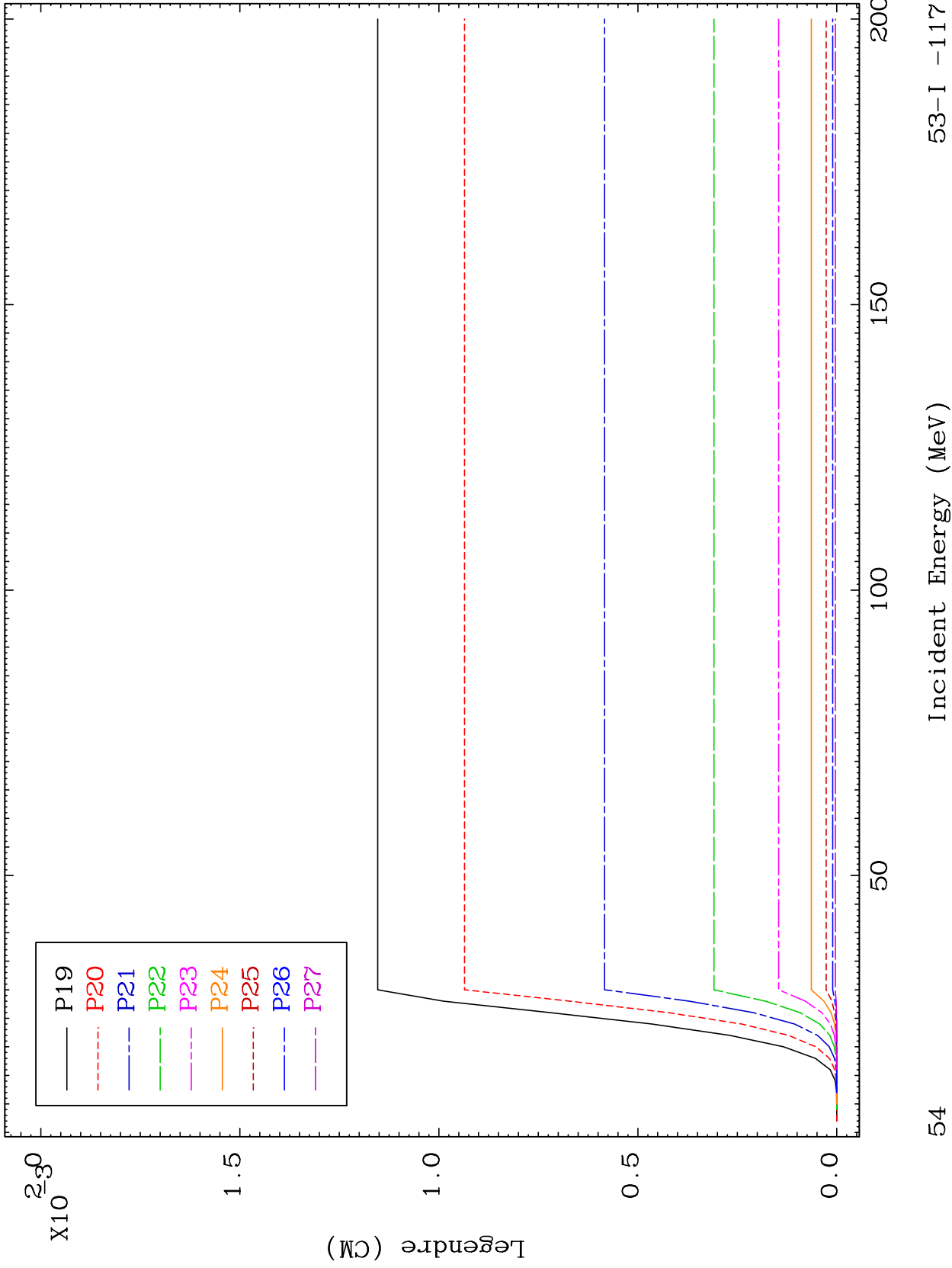


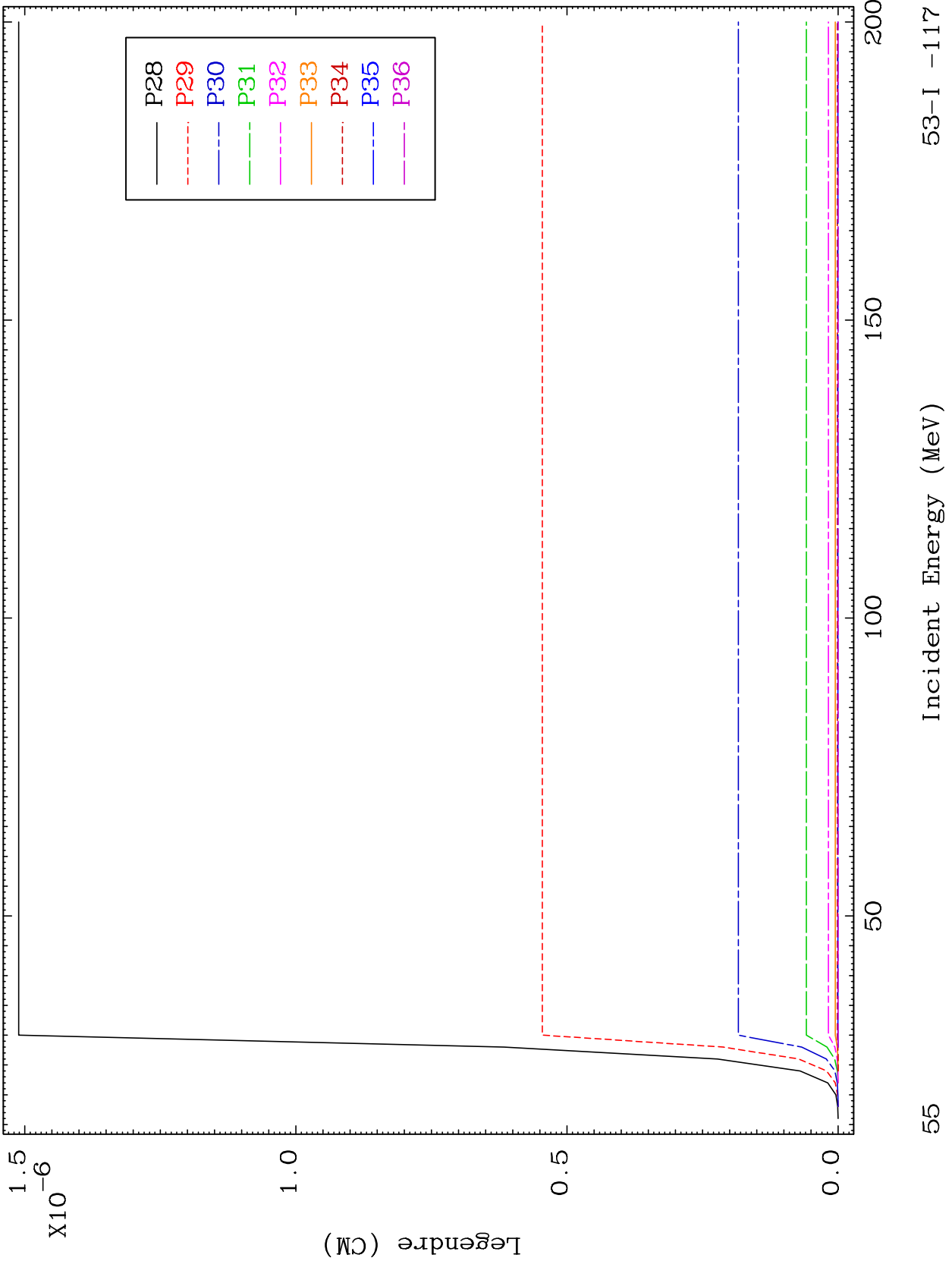
53-I -117

Incident Energy (MeV)

52





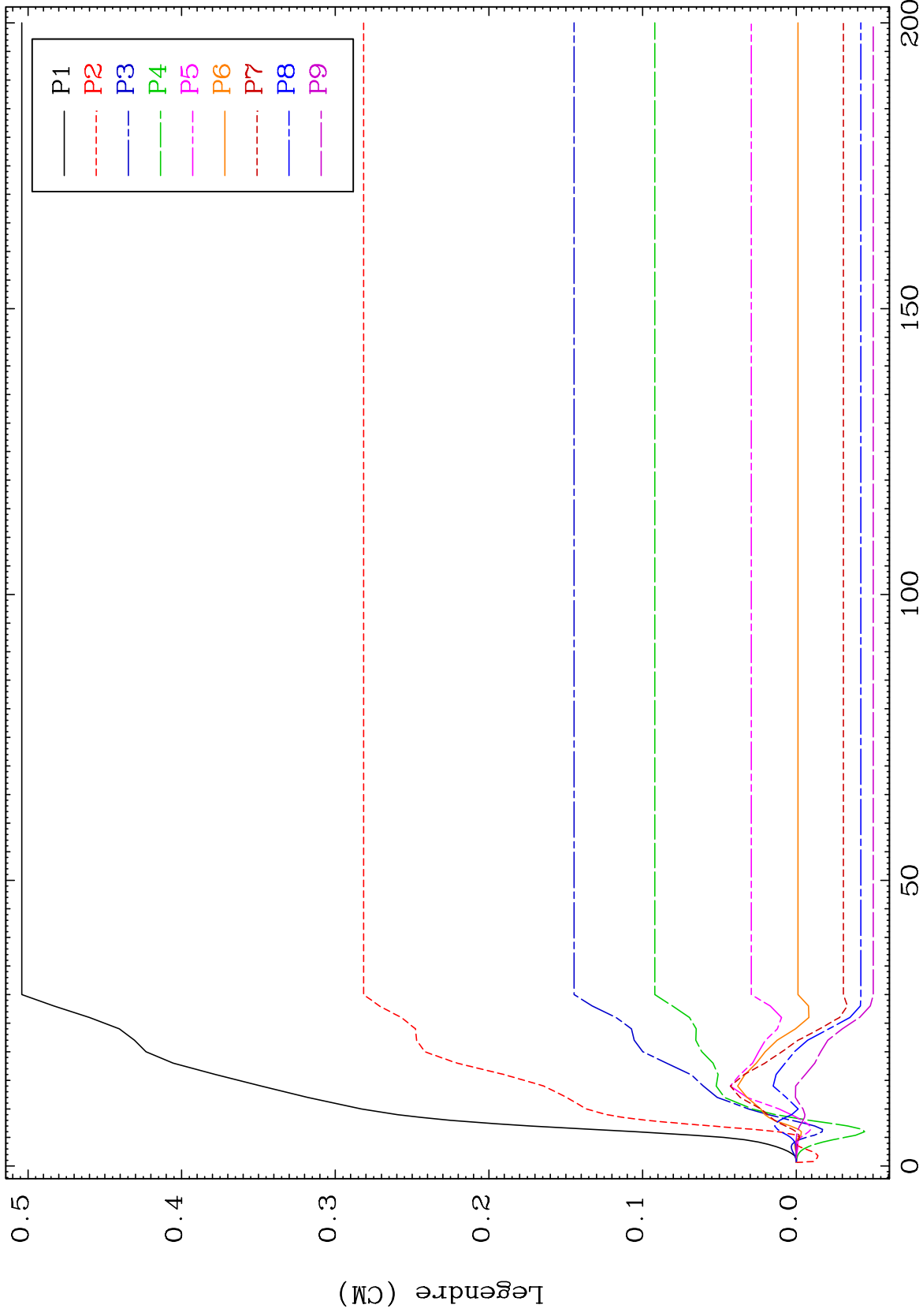




MAT 5295

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

53-I -117



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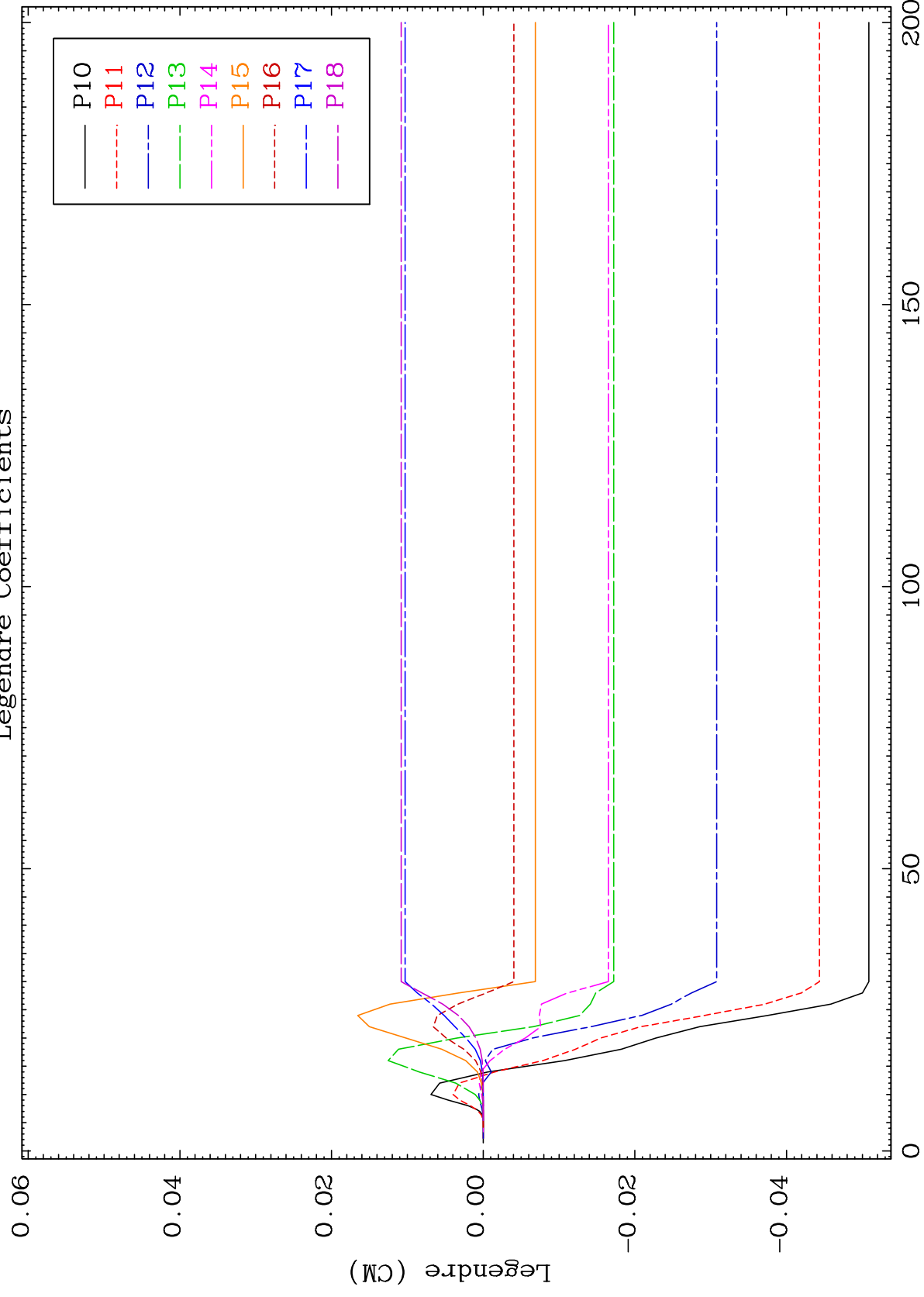
Incident Energy (MeV)

53-I -117

MAT 5295

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

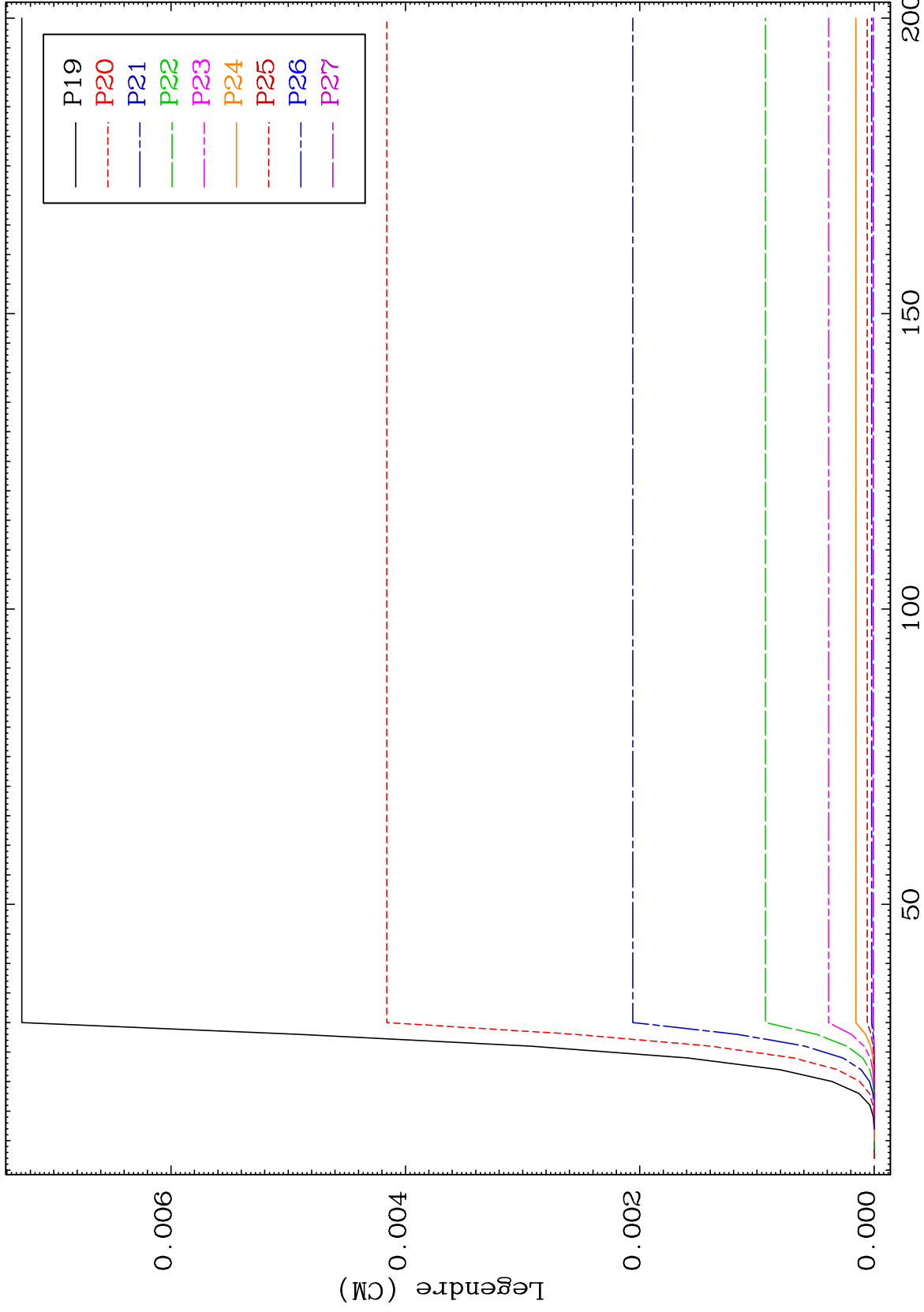
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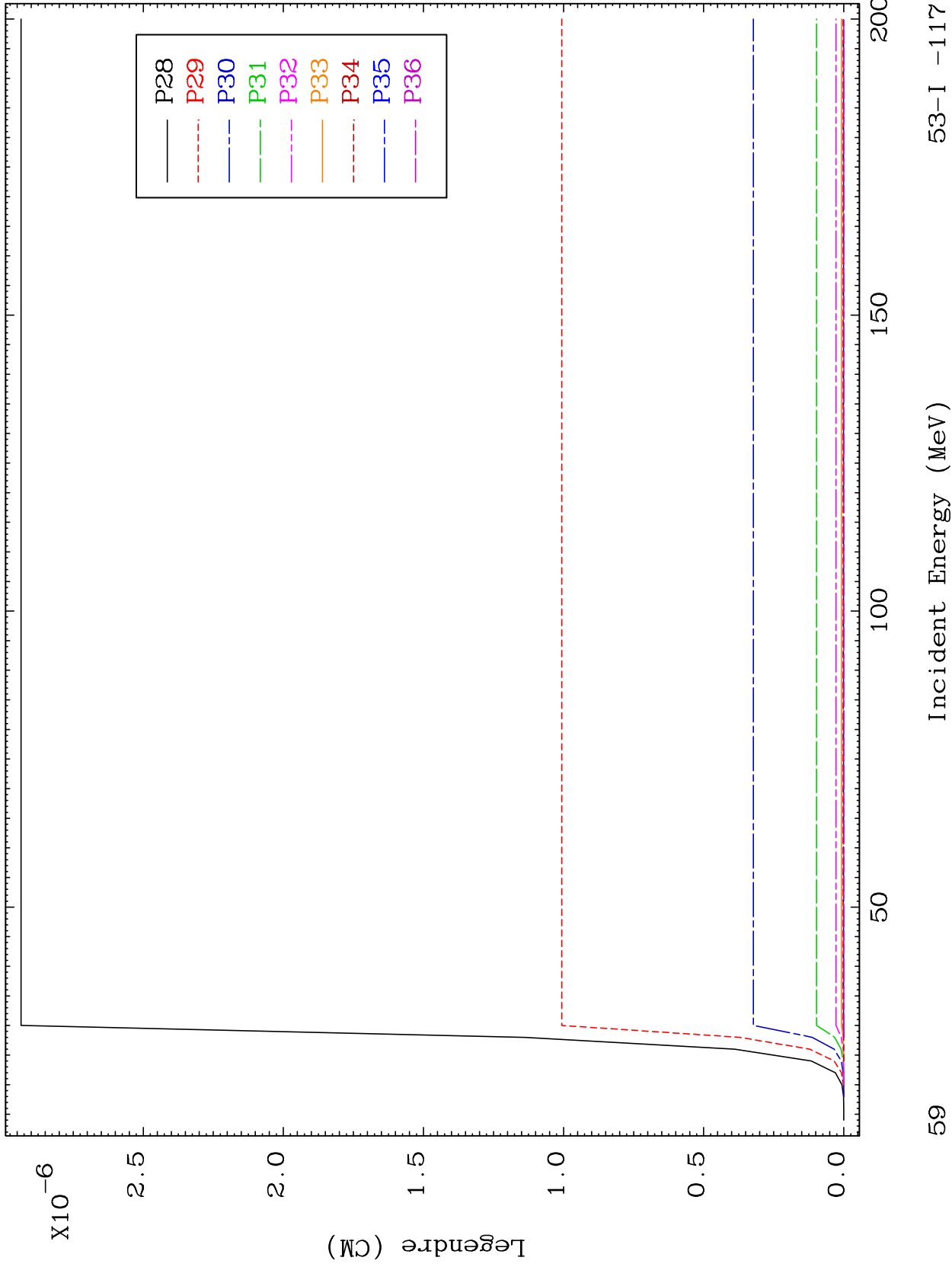


57

Incident Energy (MeV)

53-I -117

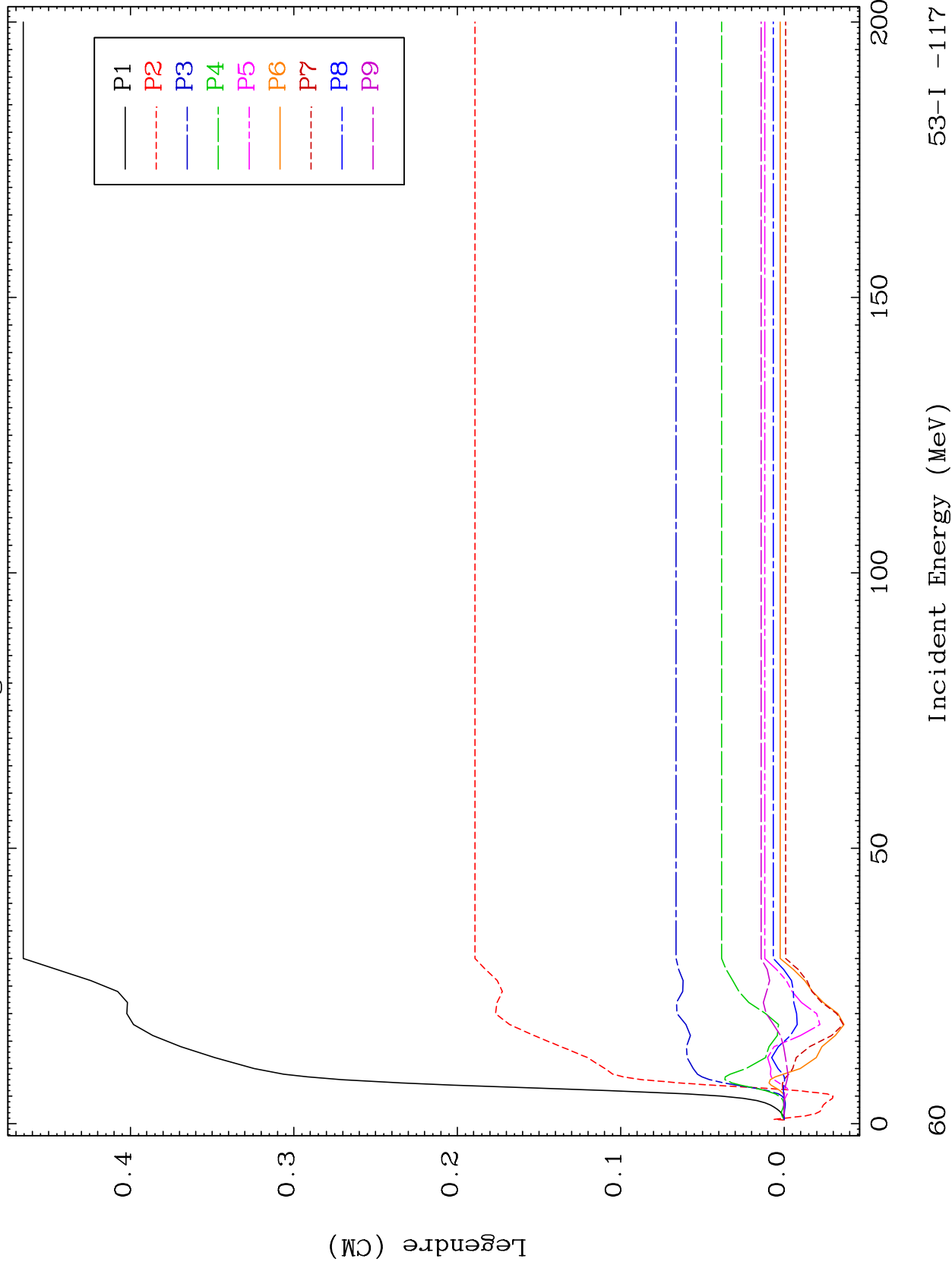




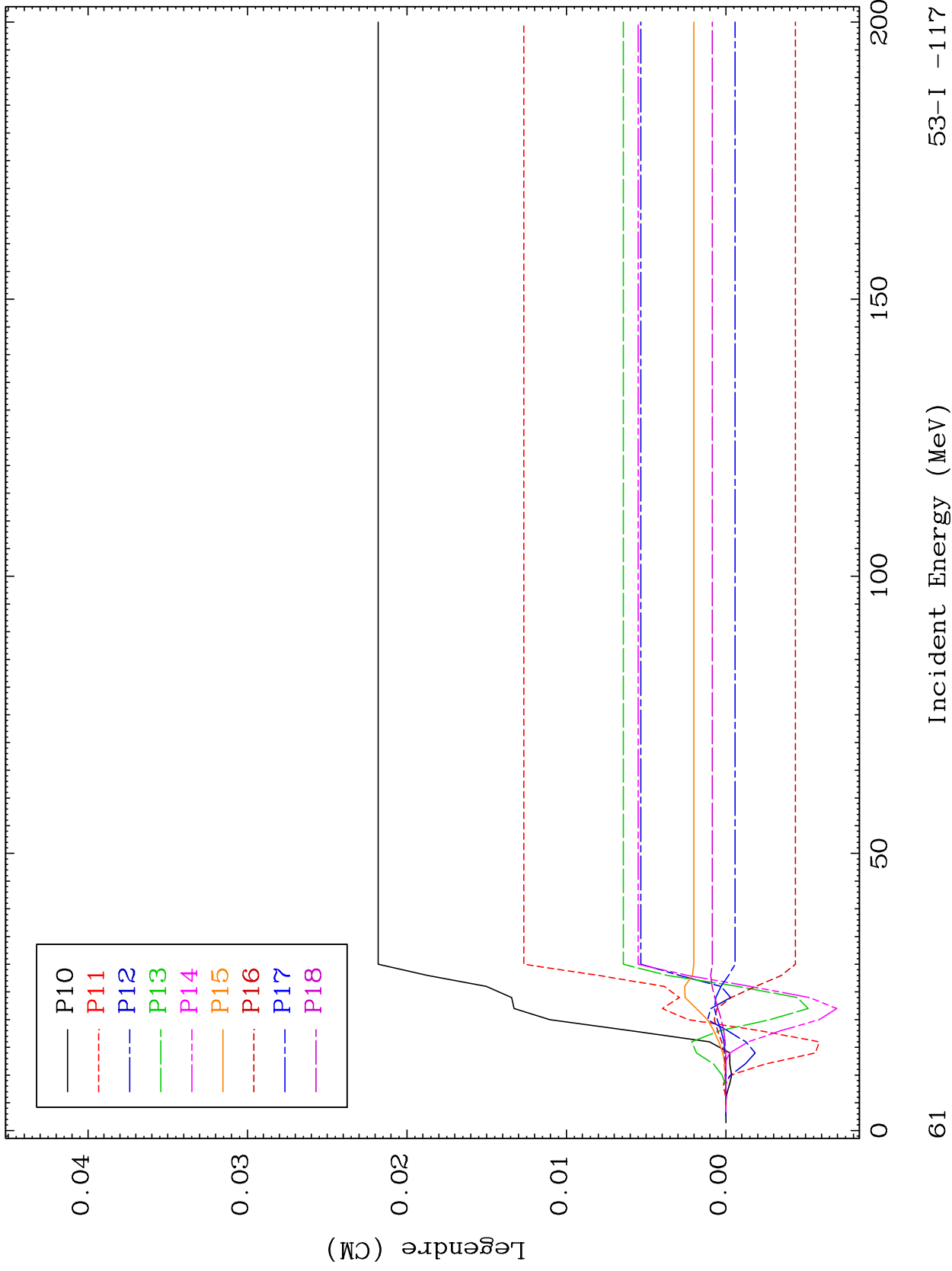
MAT 5295

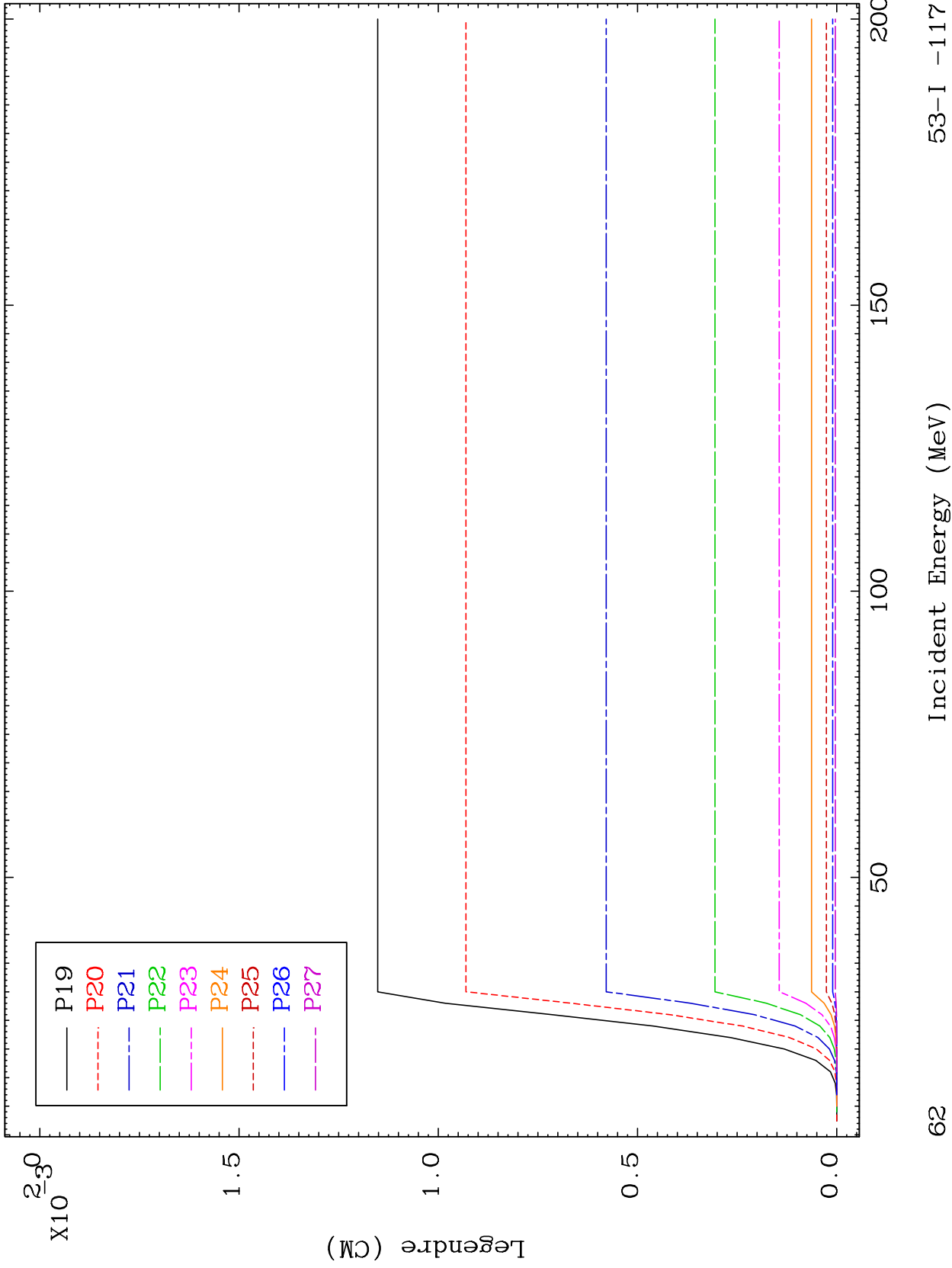
MT= 61 (n,n') Level  
Legendre Coefficients

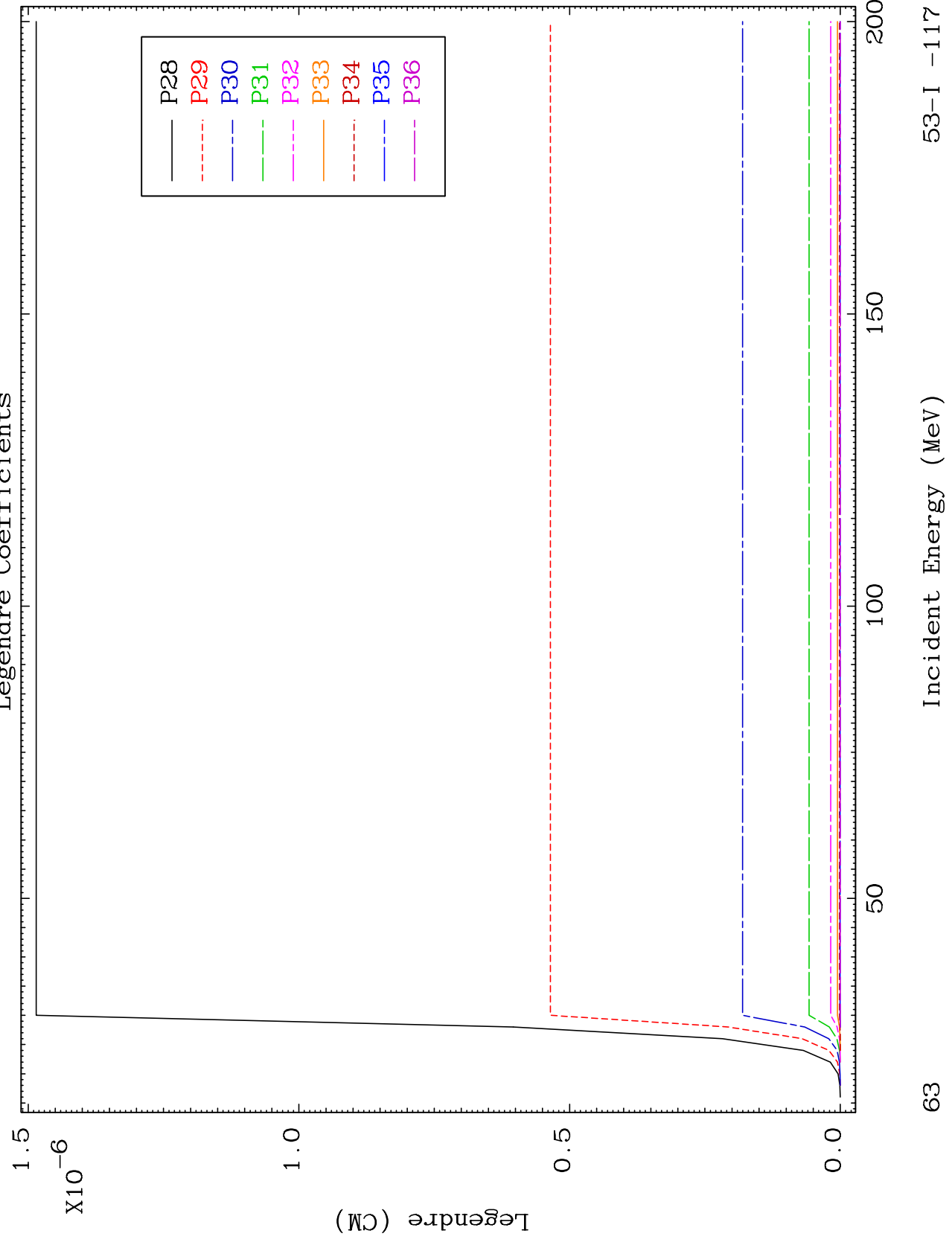
53-I -117



53-I -117







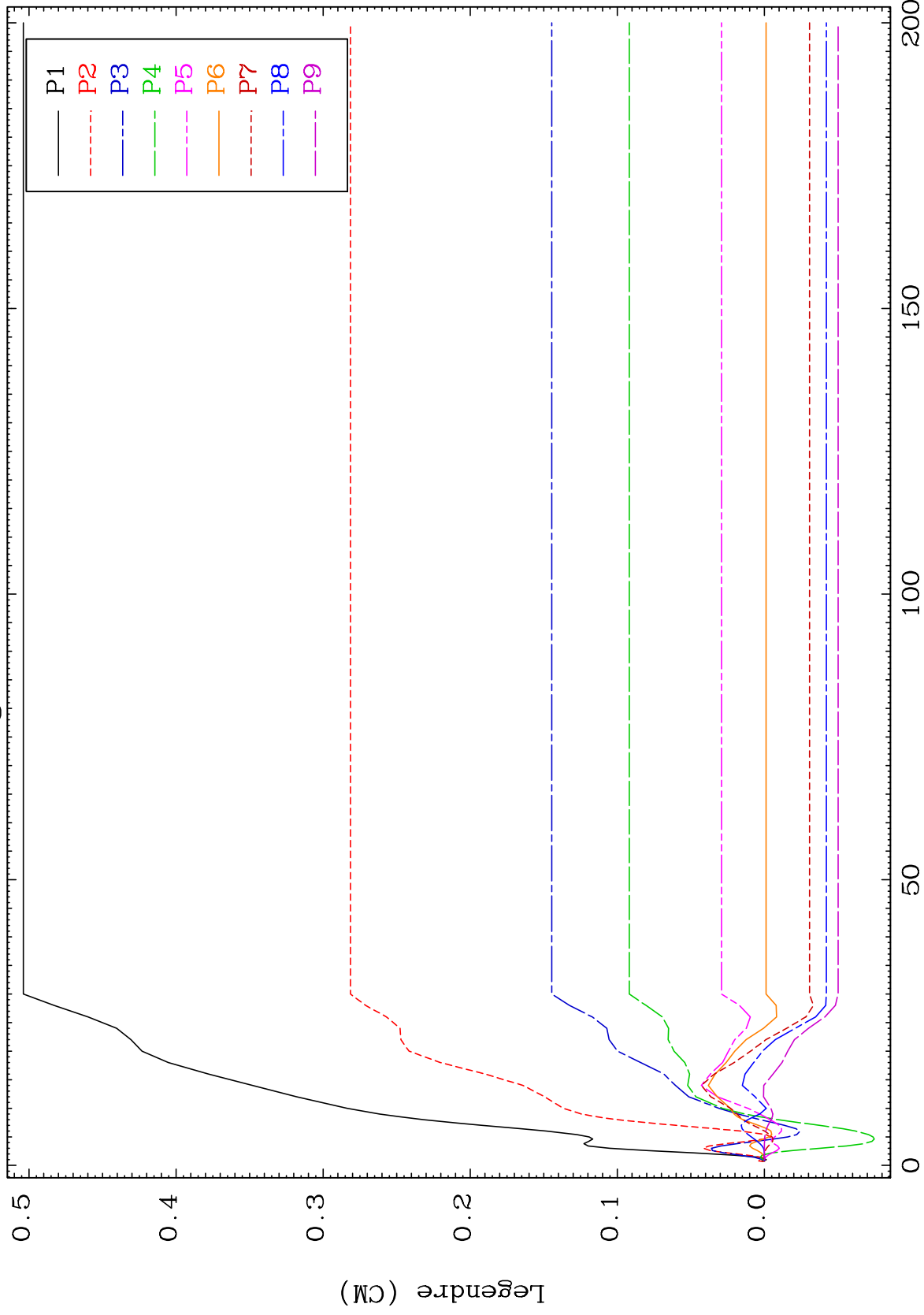


MAT 5295

MT= 62 (n,n') Level

53-I -117

Legendre Coefficients



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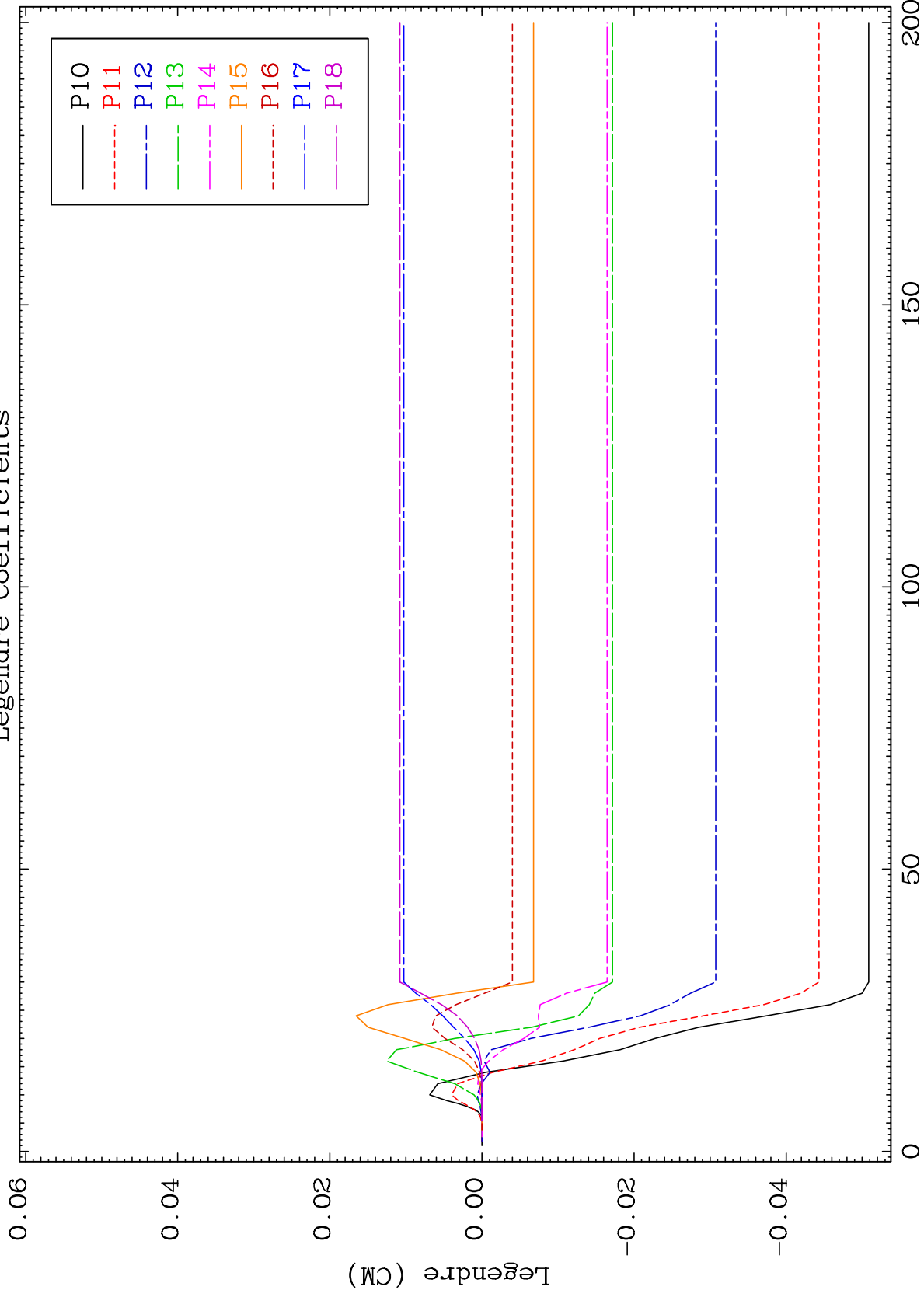
Incident Energy (MeV)

53-I -117

MAT 5295

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

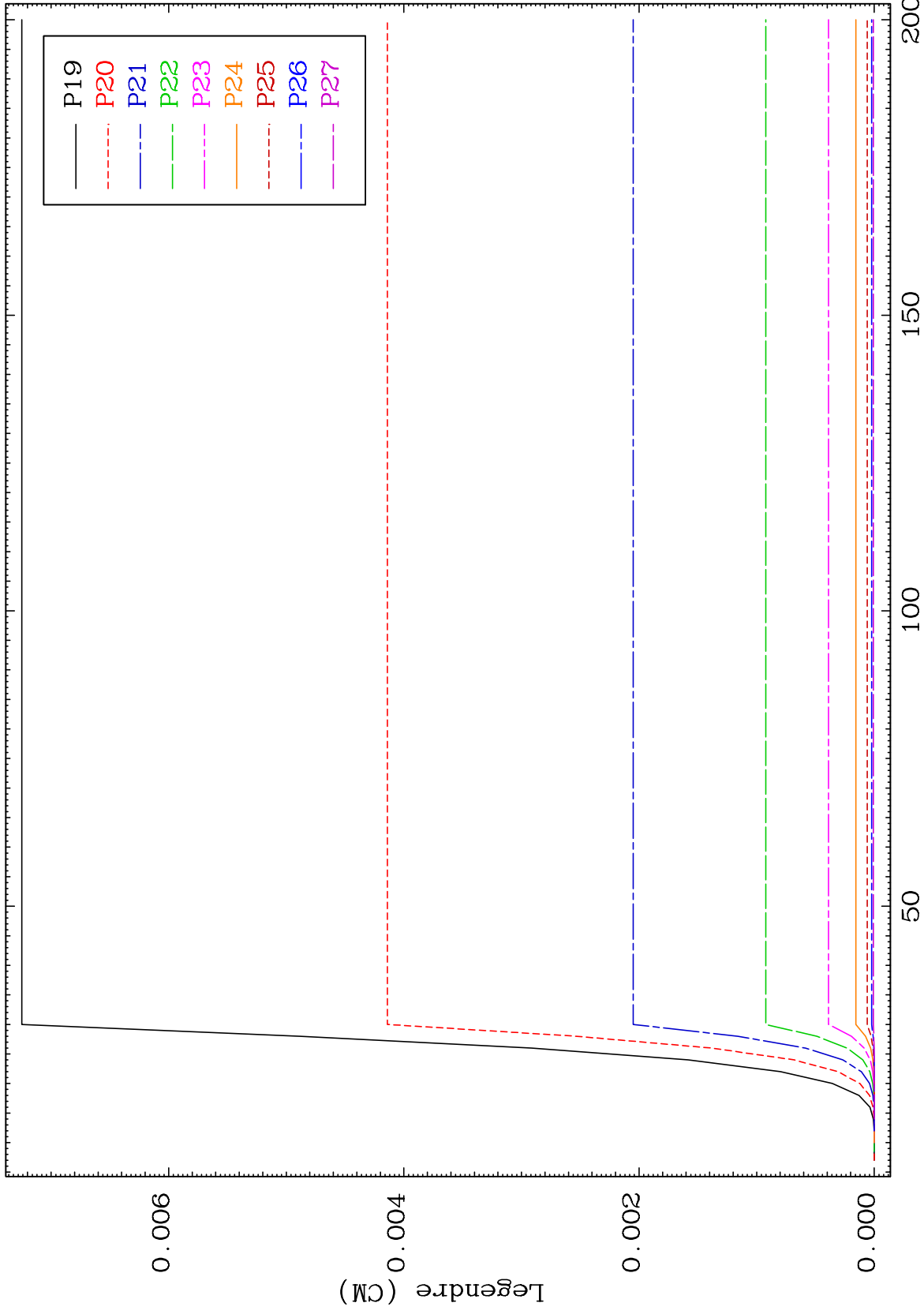
53-I -117

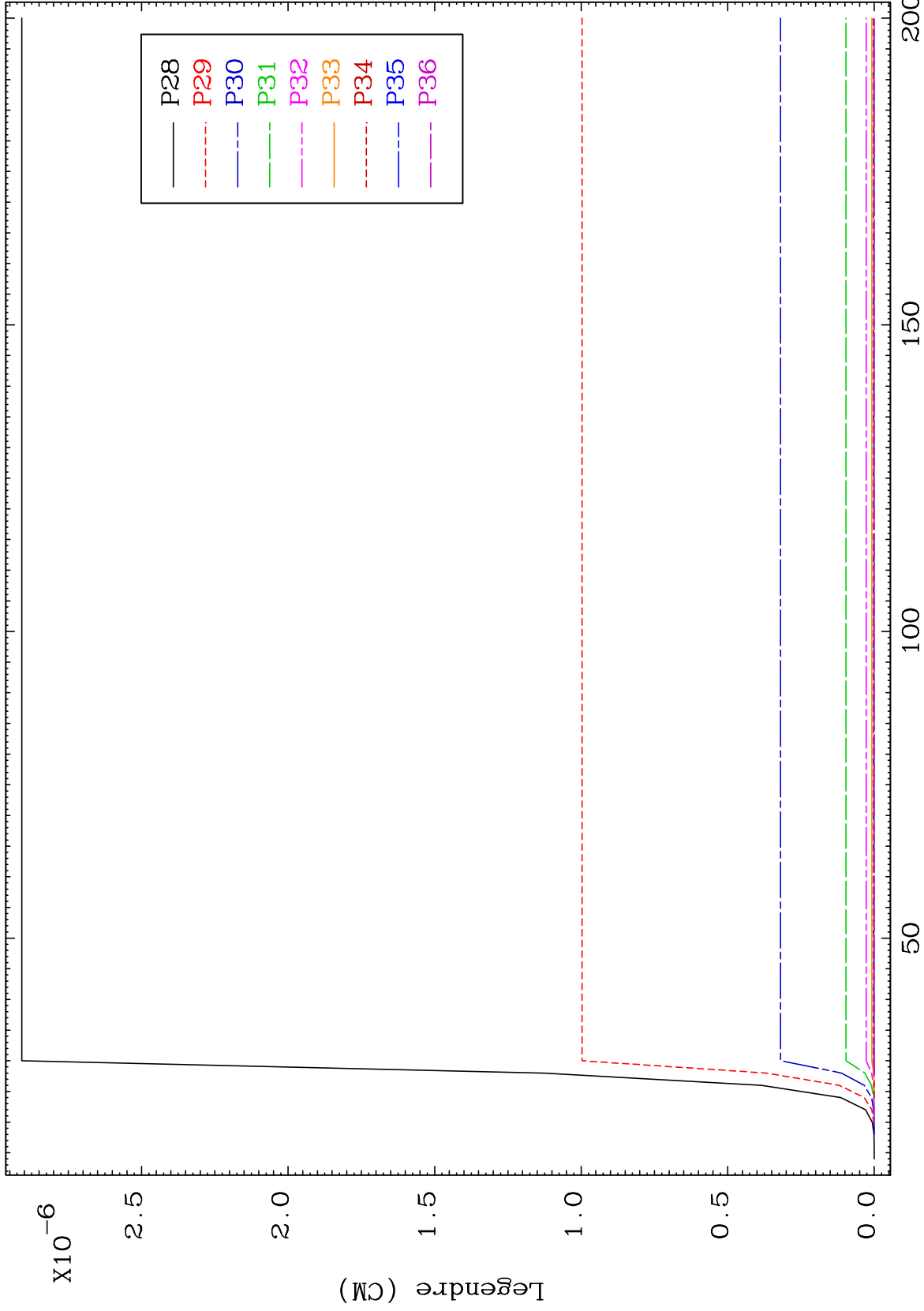


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Incident Energy (MeV)

53-I -117

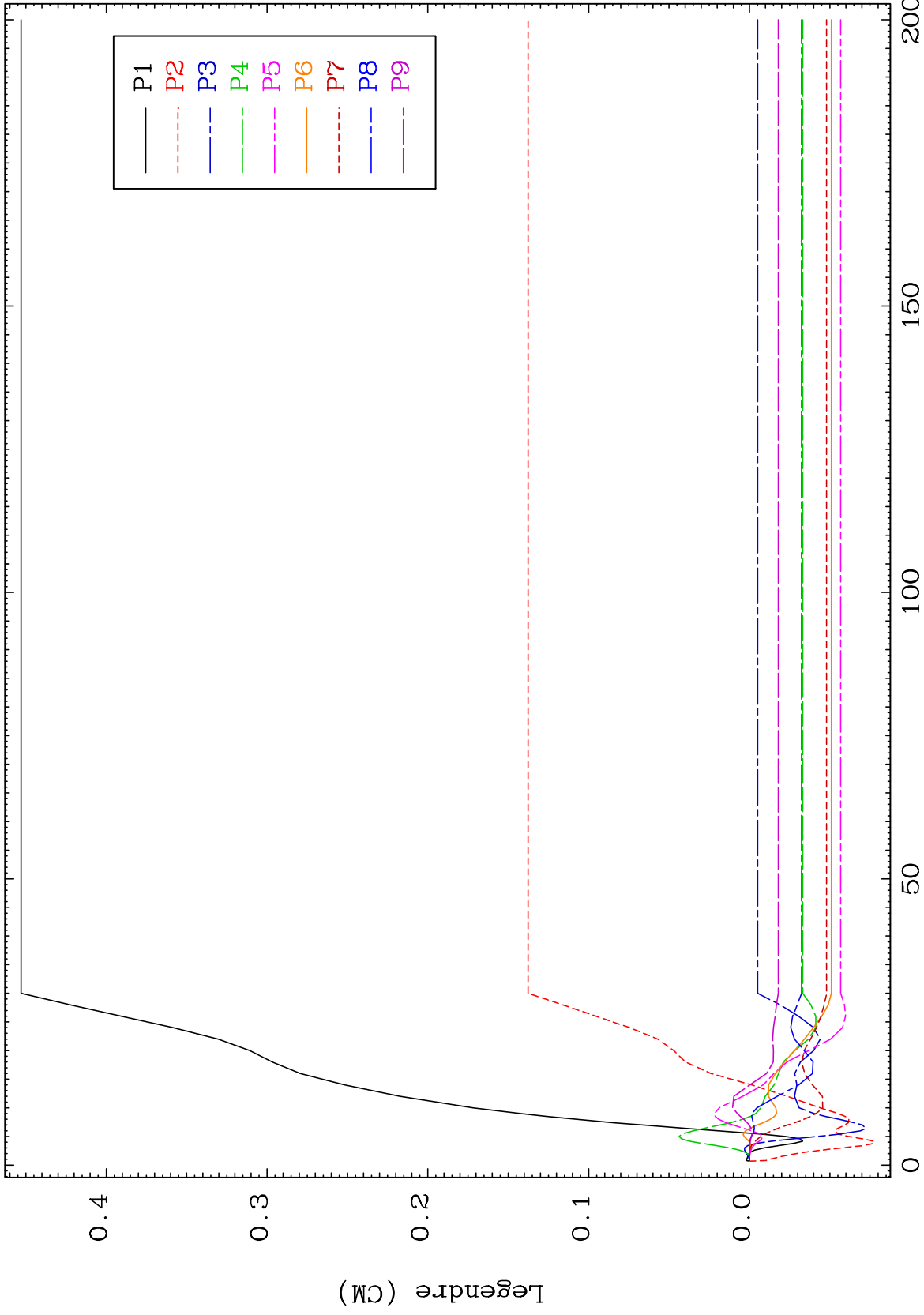




MAT 5295

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

53-I -117



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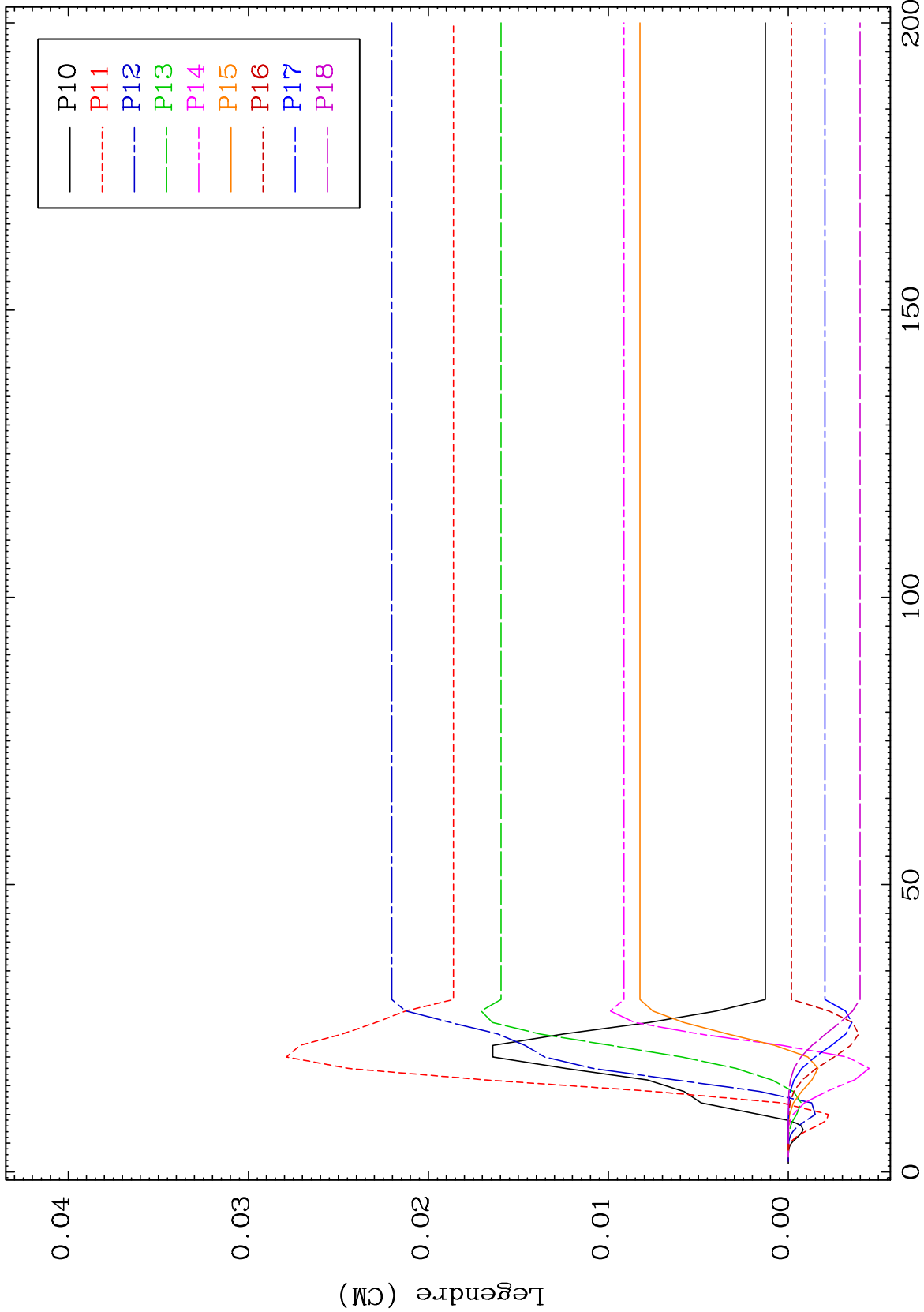
Incident Energy (MeV)

53-I -117

MAT 5295

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

53-I -117



69

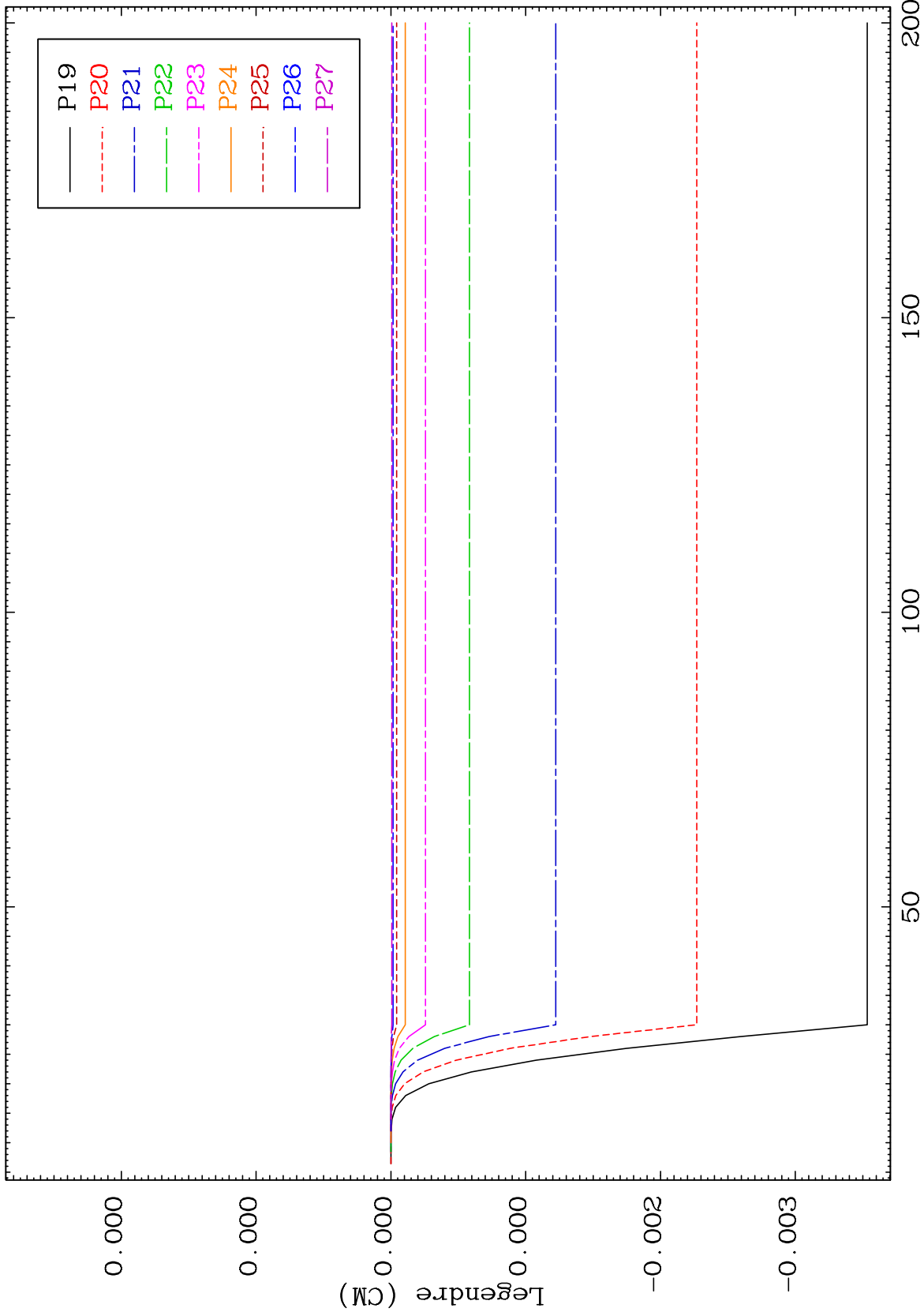
Incident Energy (MeV)

53-I -117

MAT 5295

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

53-I -117



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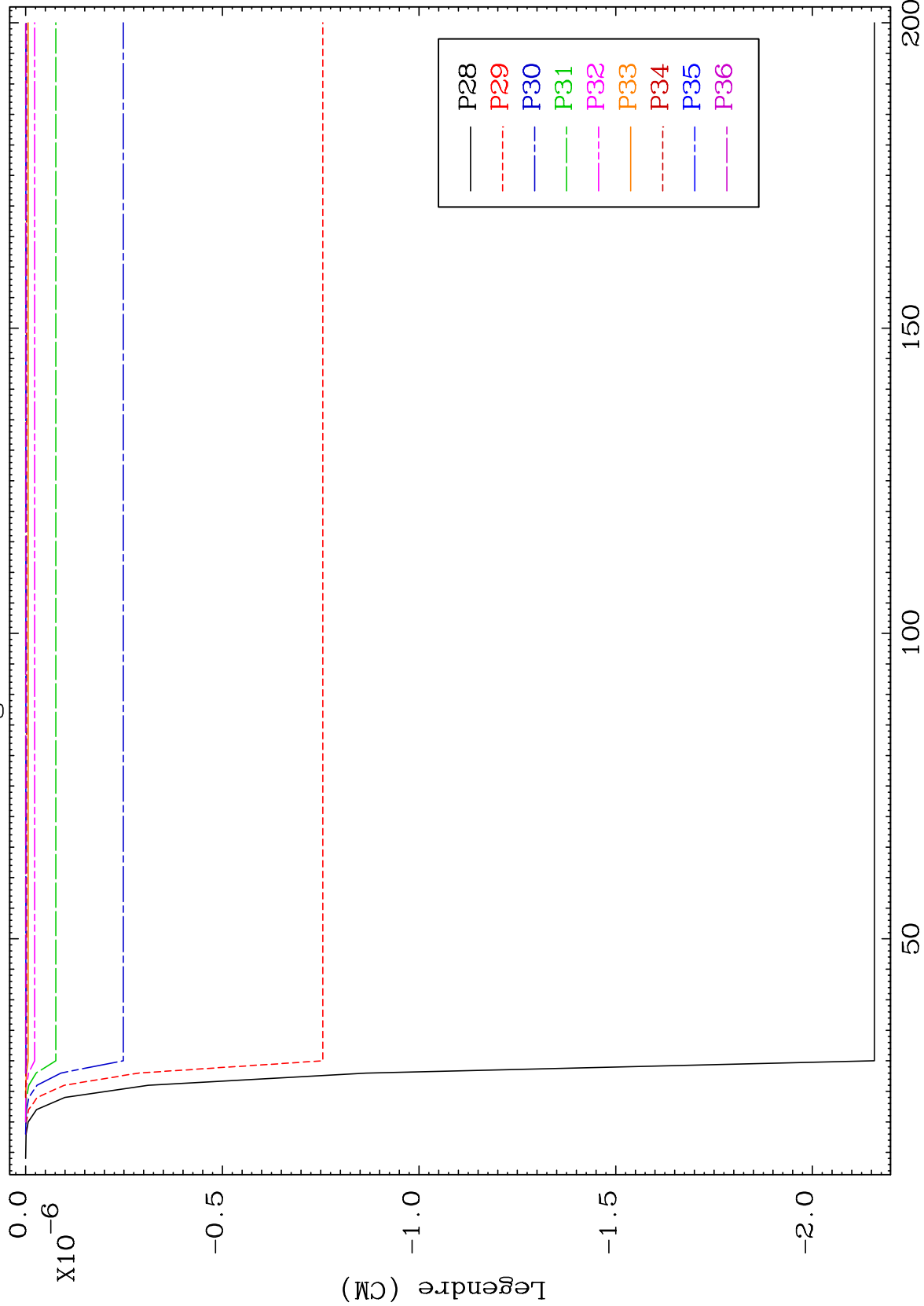
Incident Energy (MeV)

53-I -117

MAT 5295

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

53-I -117

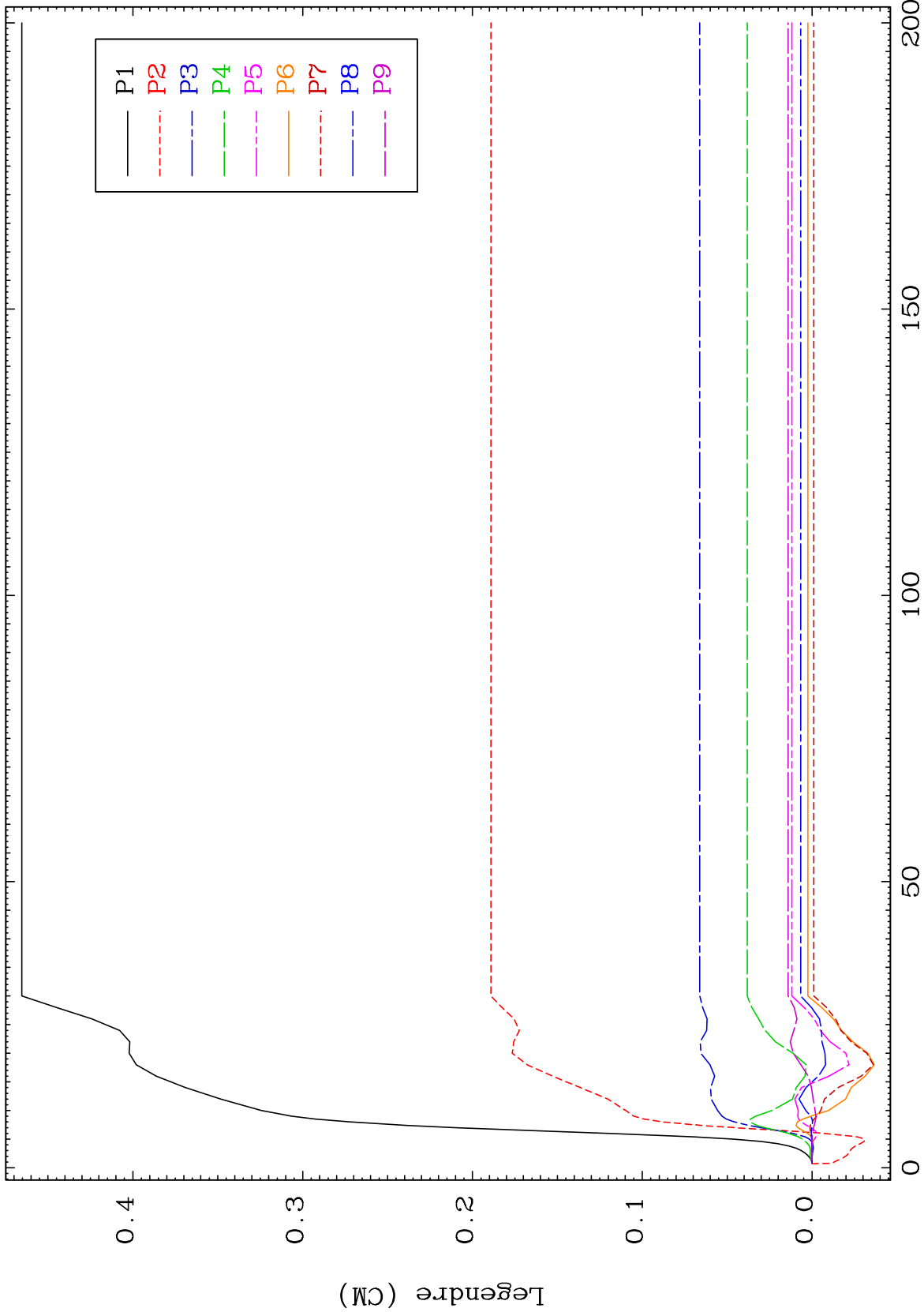


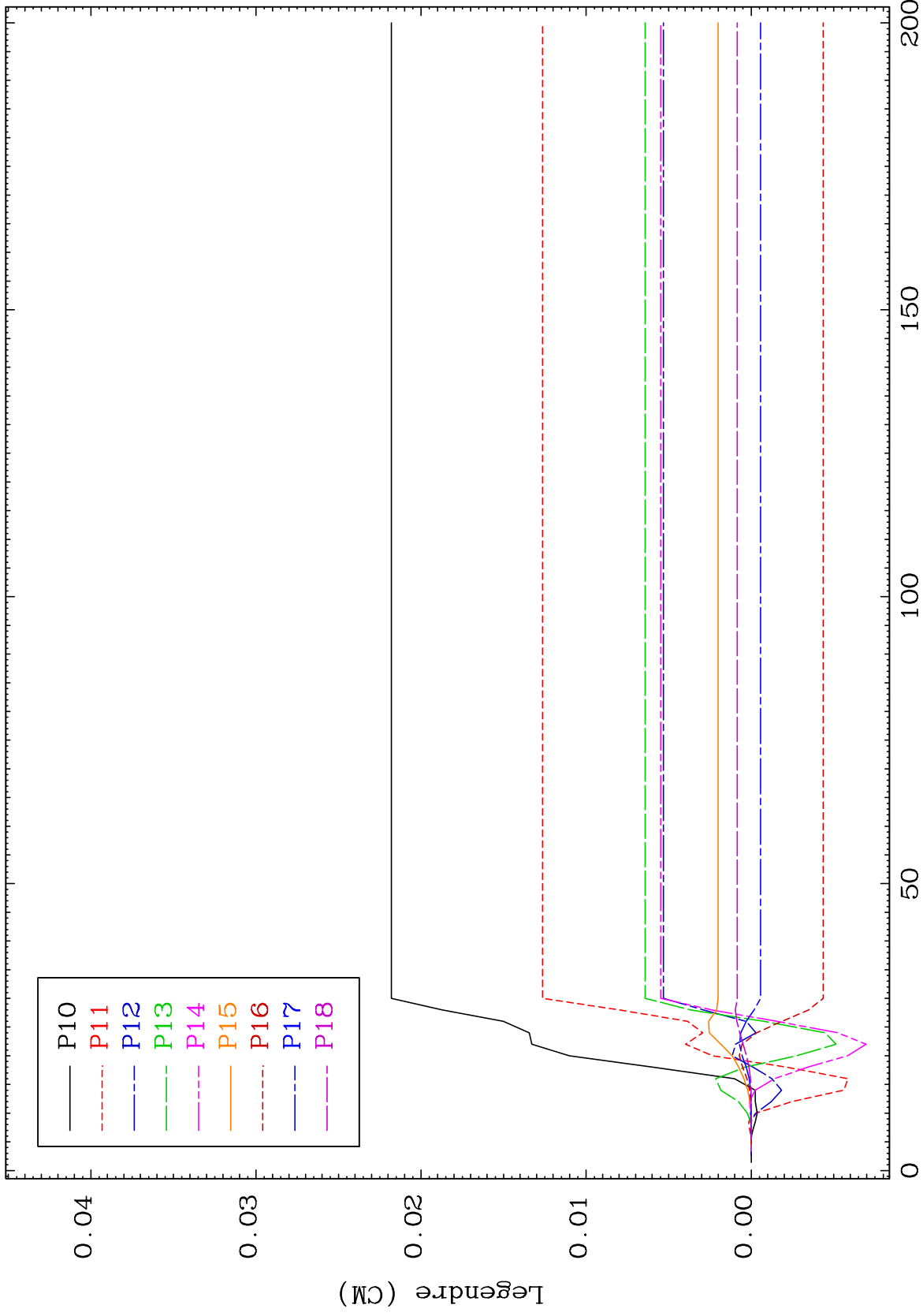
71

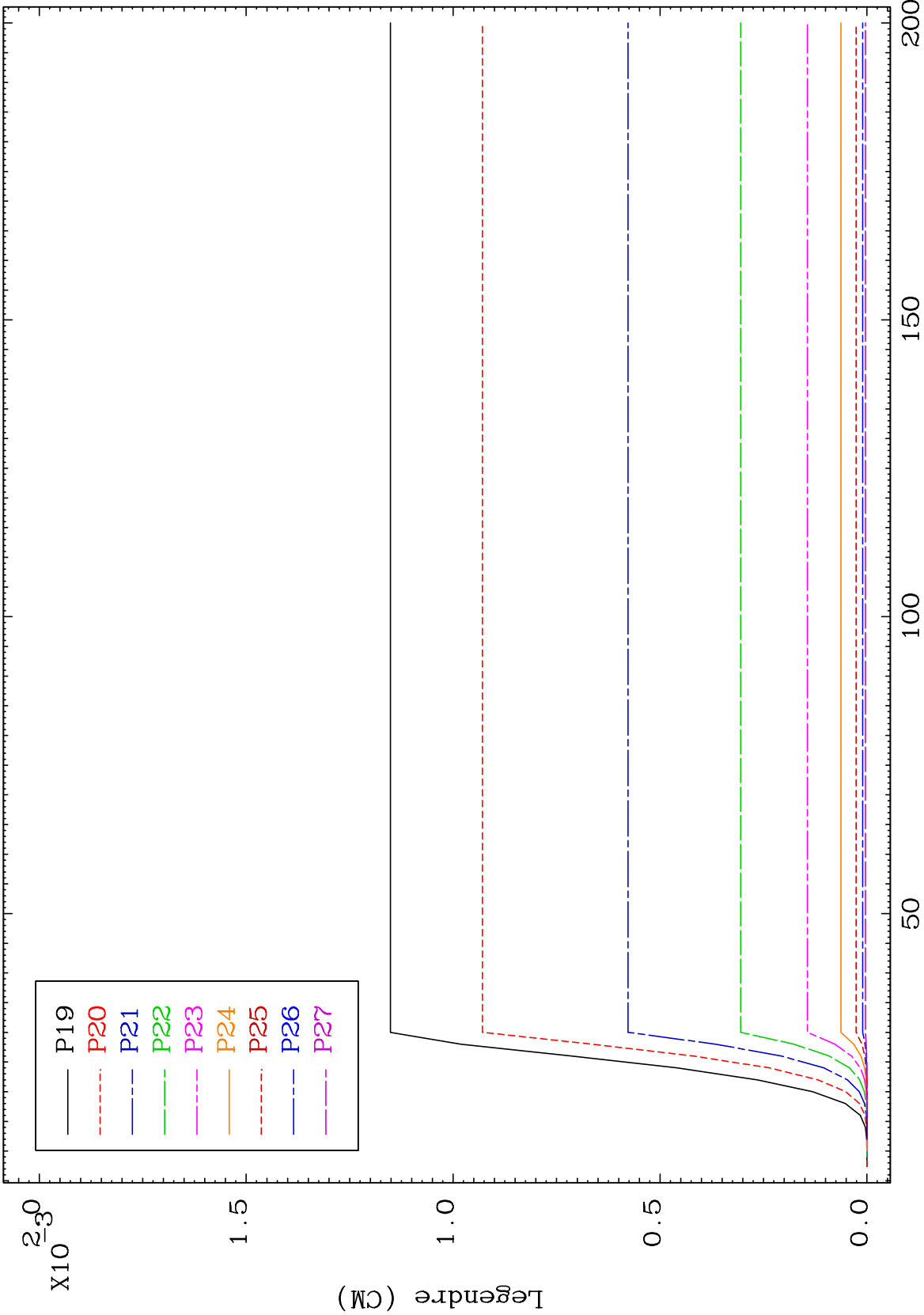
Incident Energy (MeV)

53-I -117





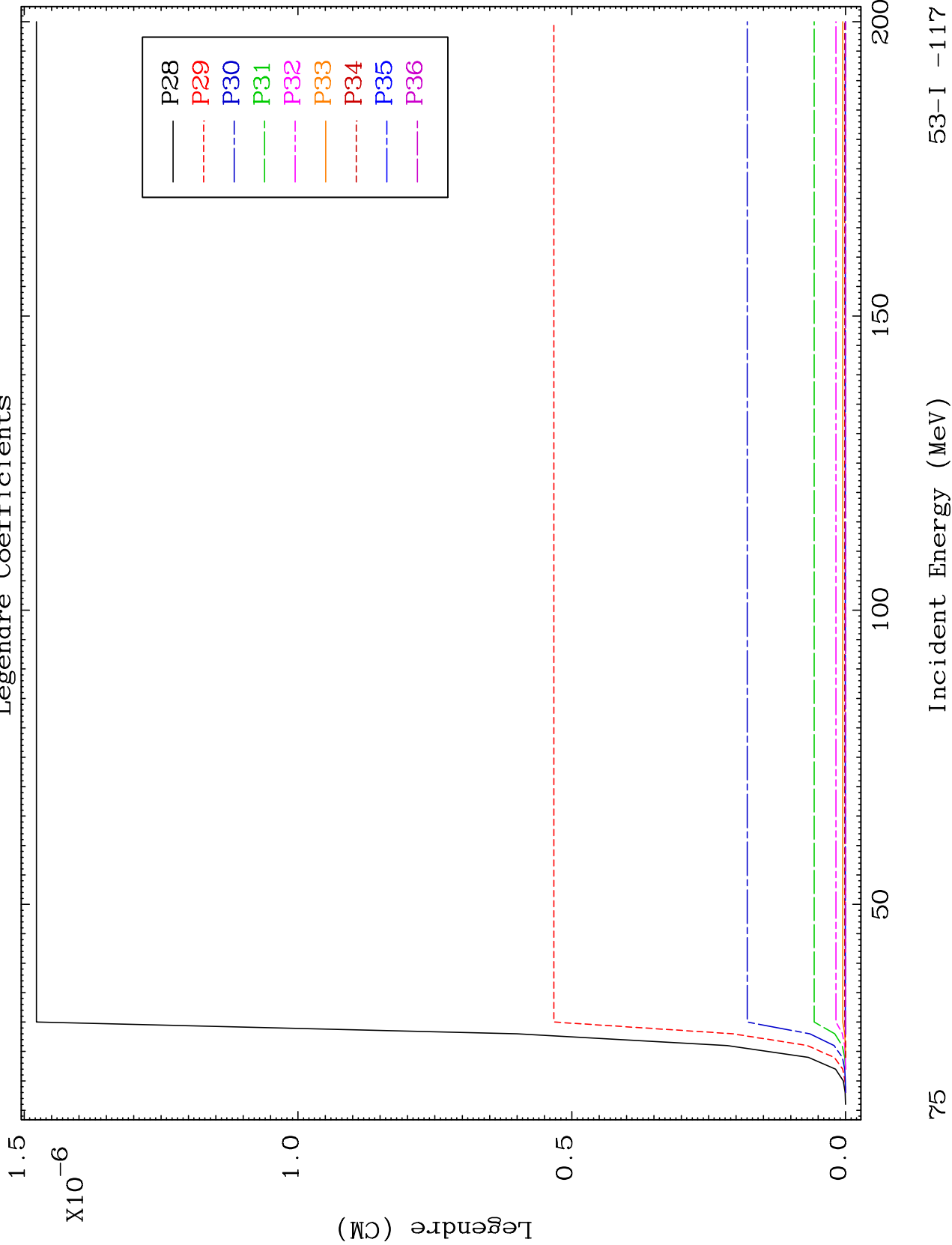




MAT 5295

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

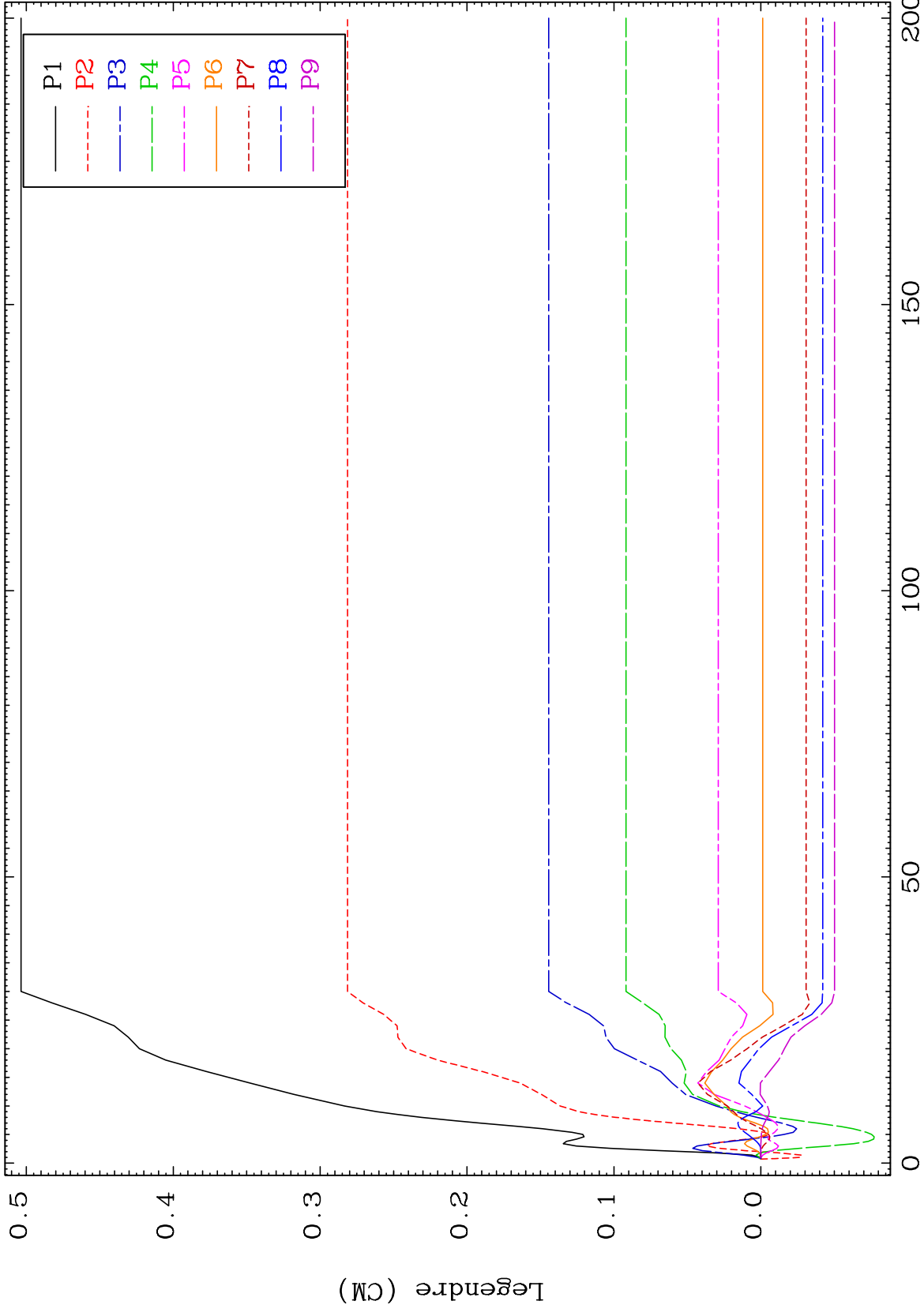
53-I -117



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Incident Energy (MeV)

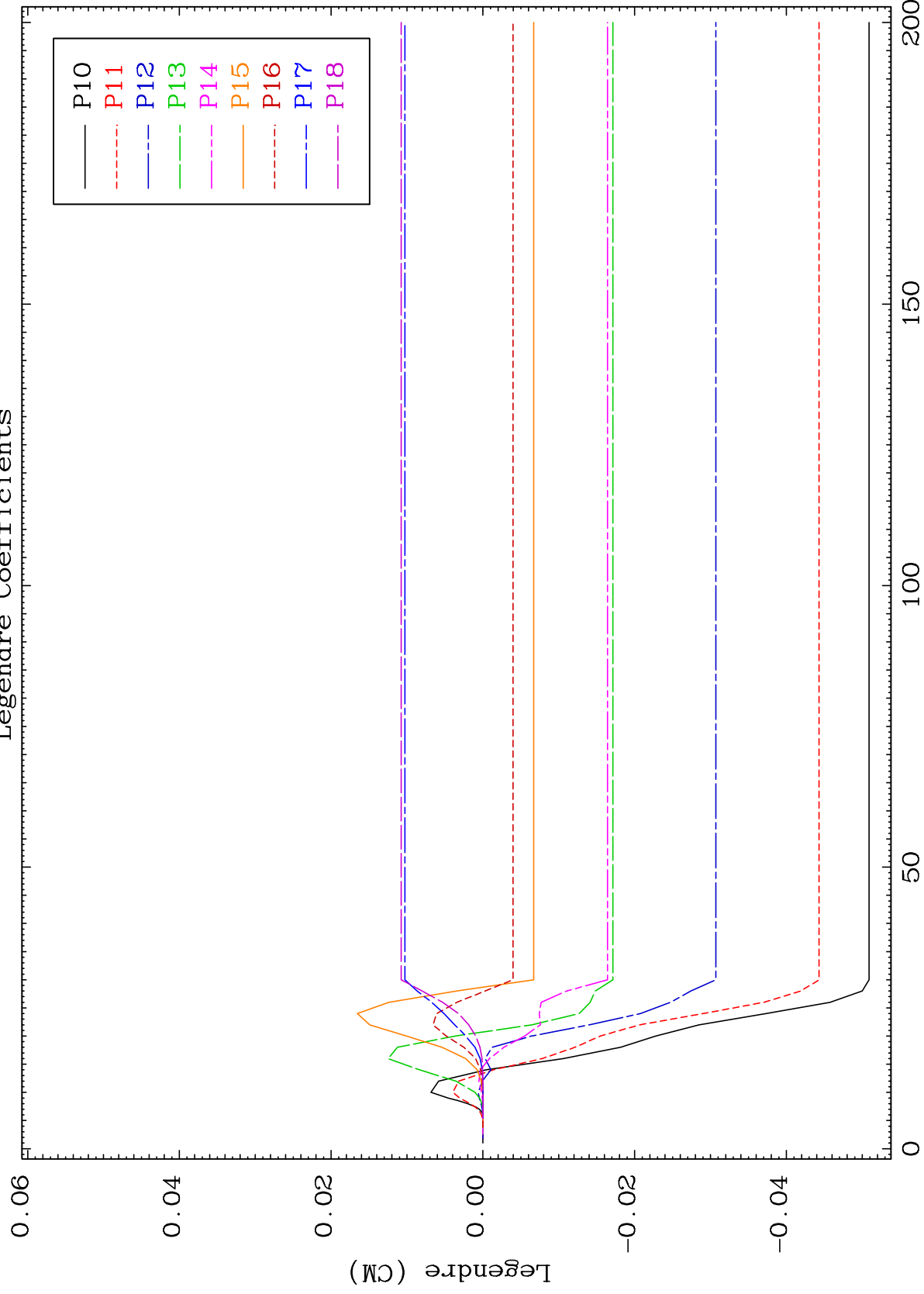
53-I -117



MAT 5295

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

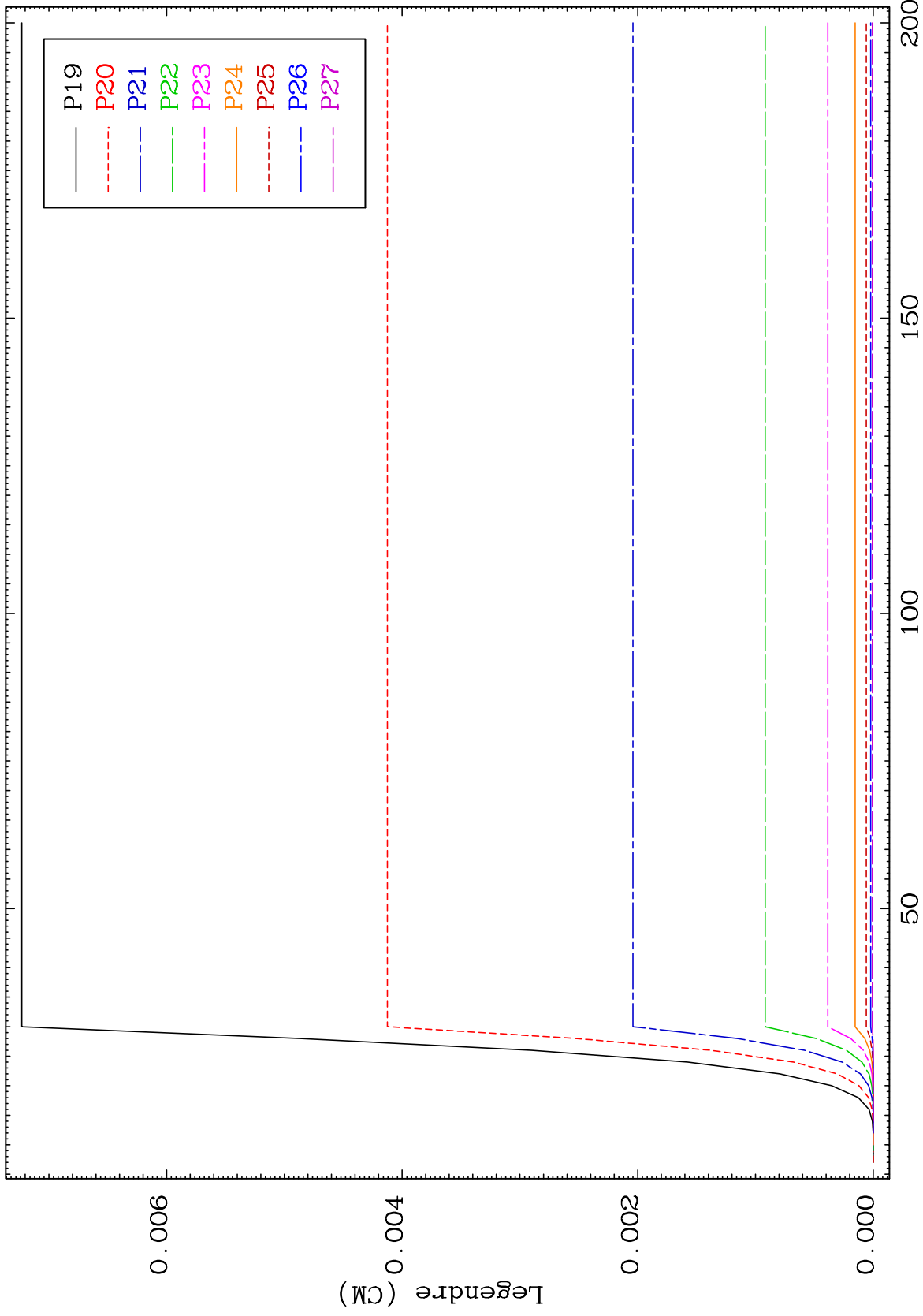
53-I -117

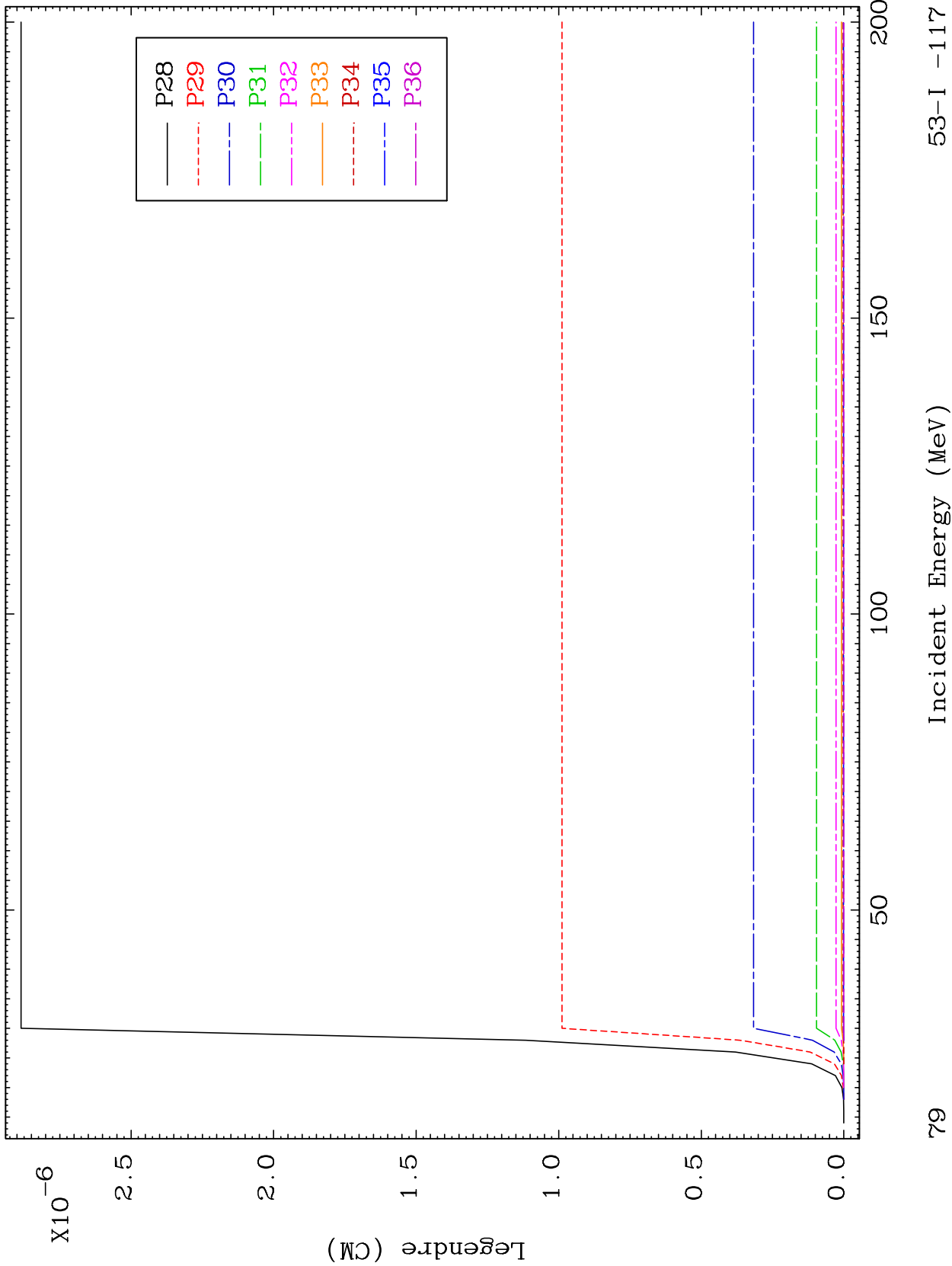


77

Incident Energy (MeV)

53-I -117



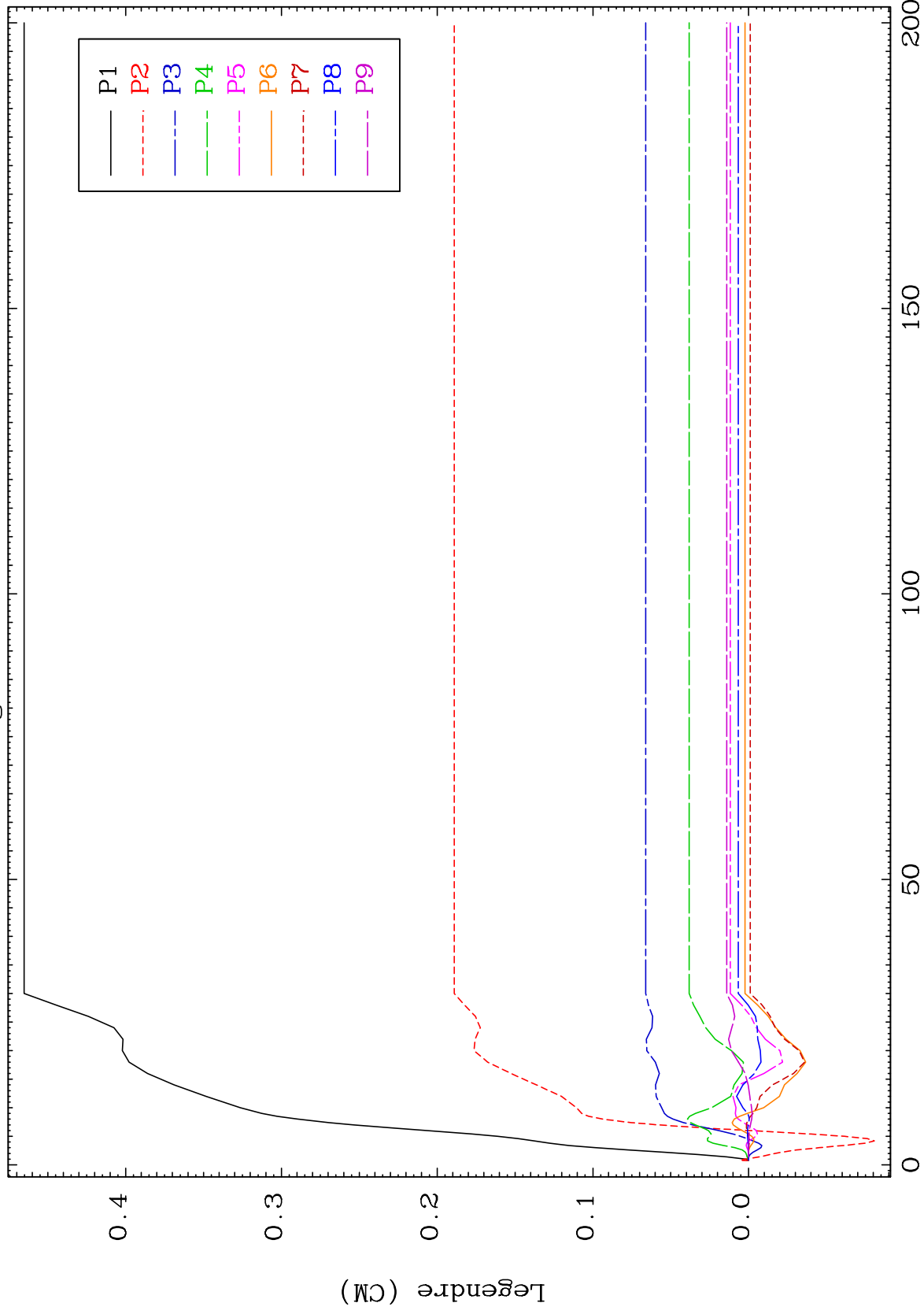




MAT 5295

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

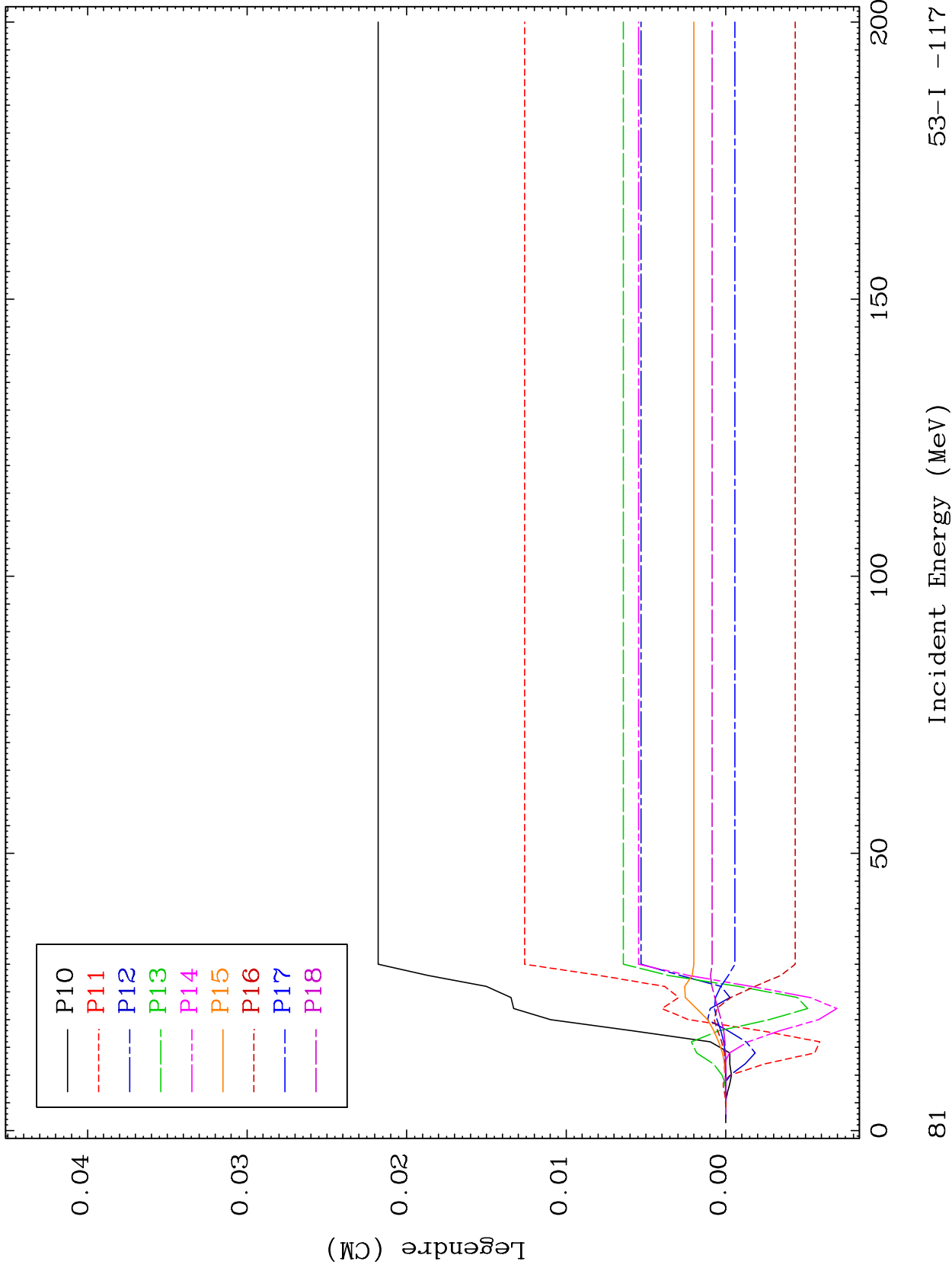
53-I -117

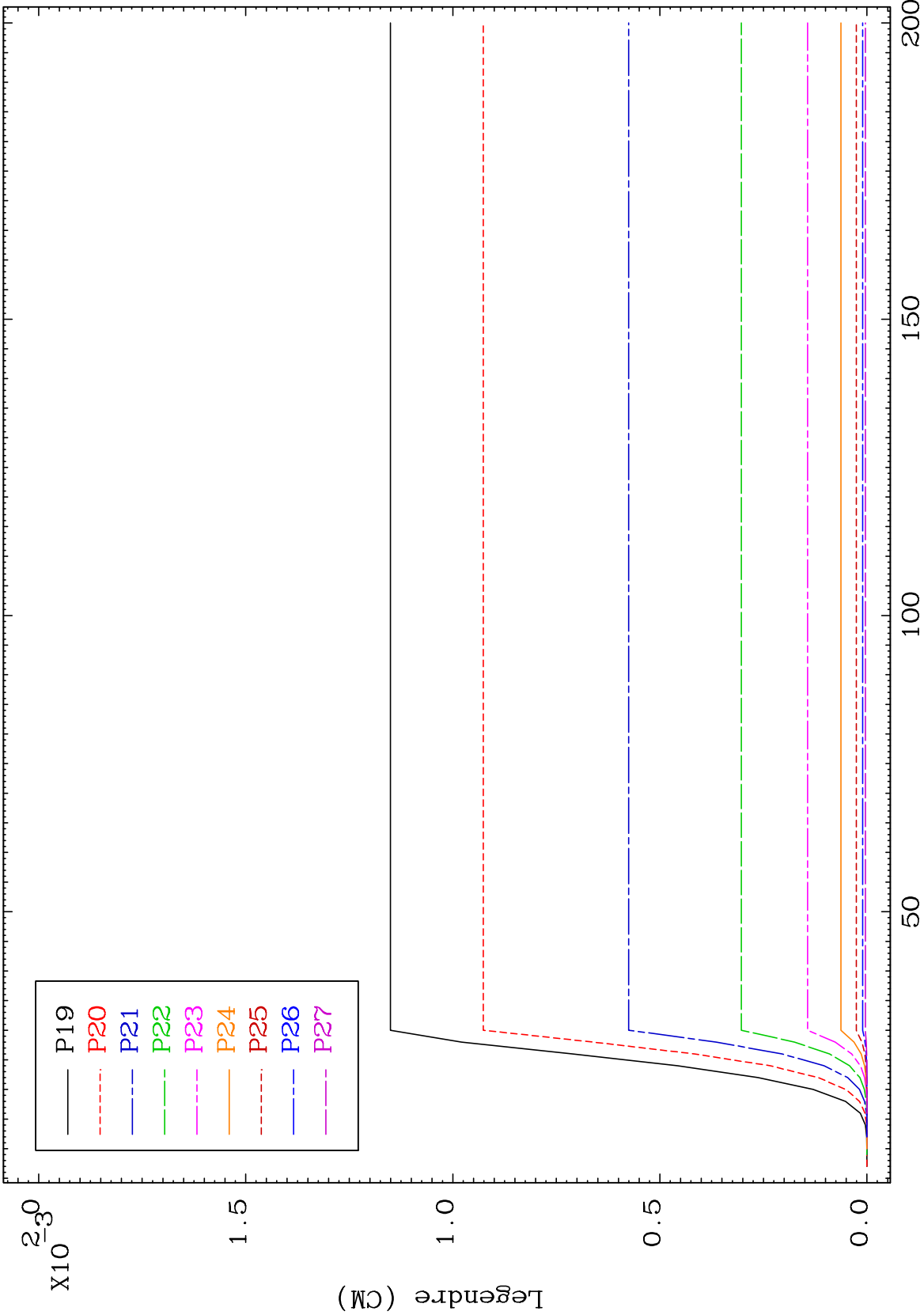


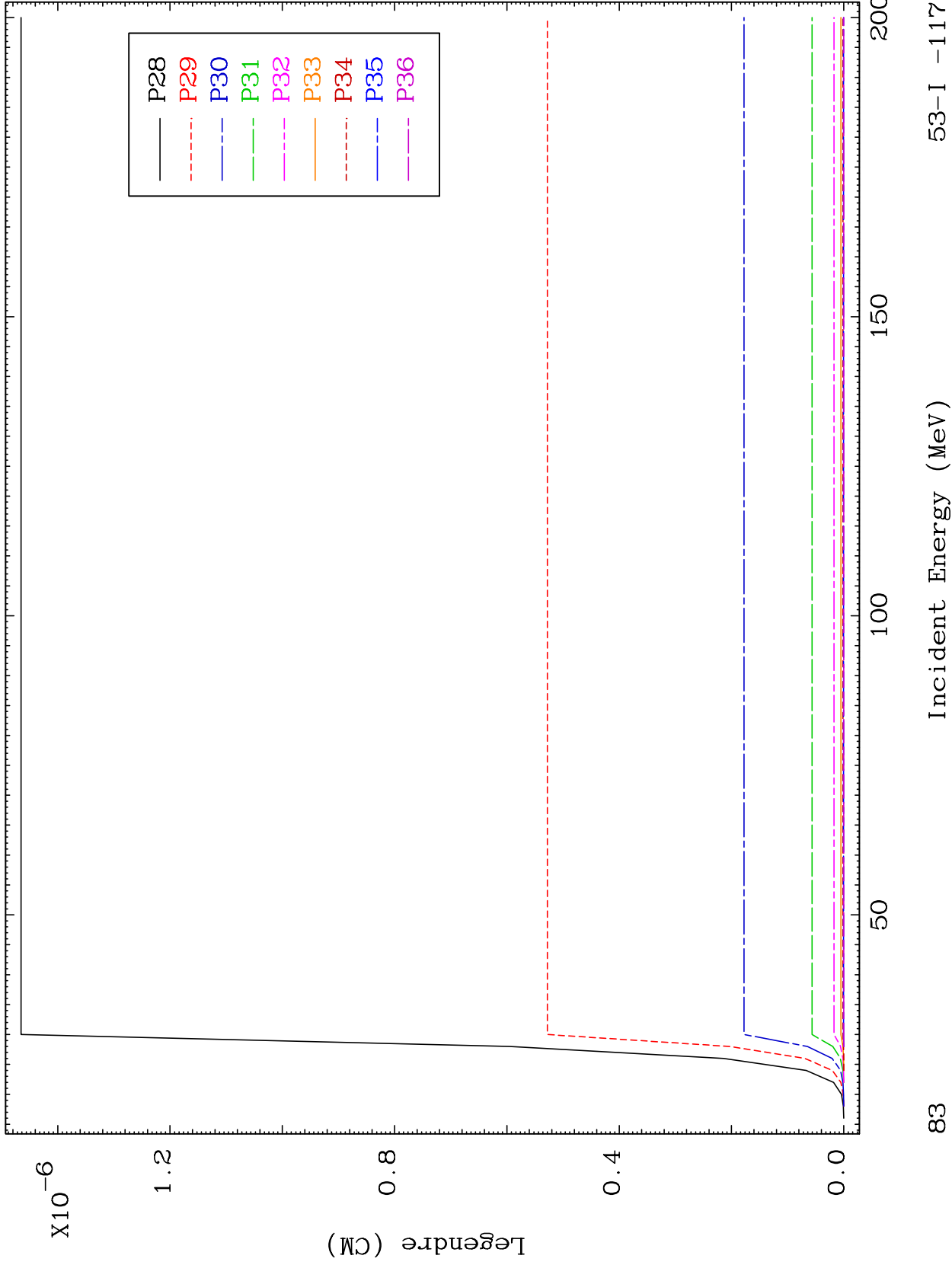
53-I -117

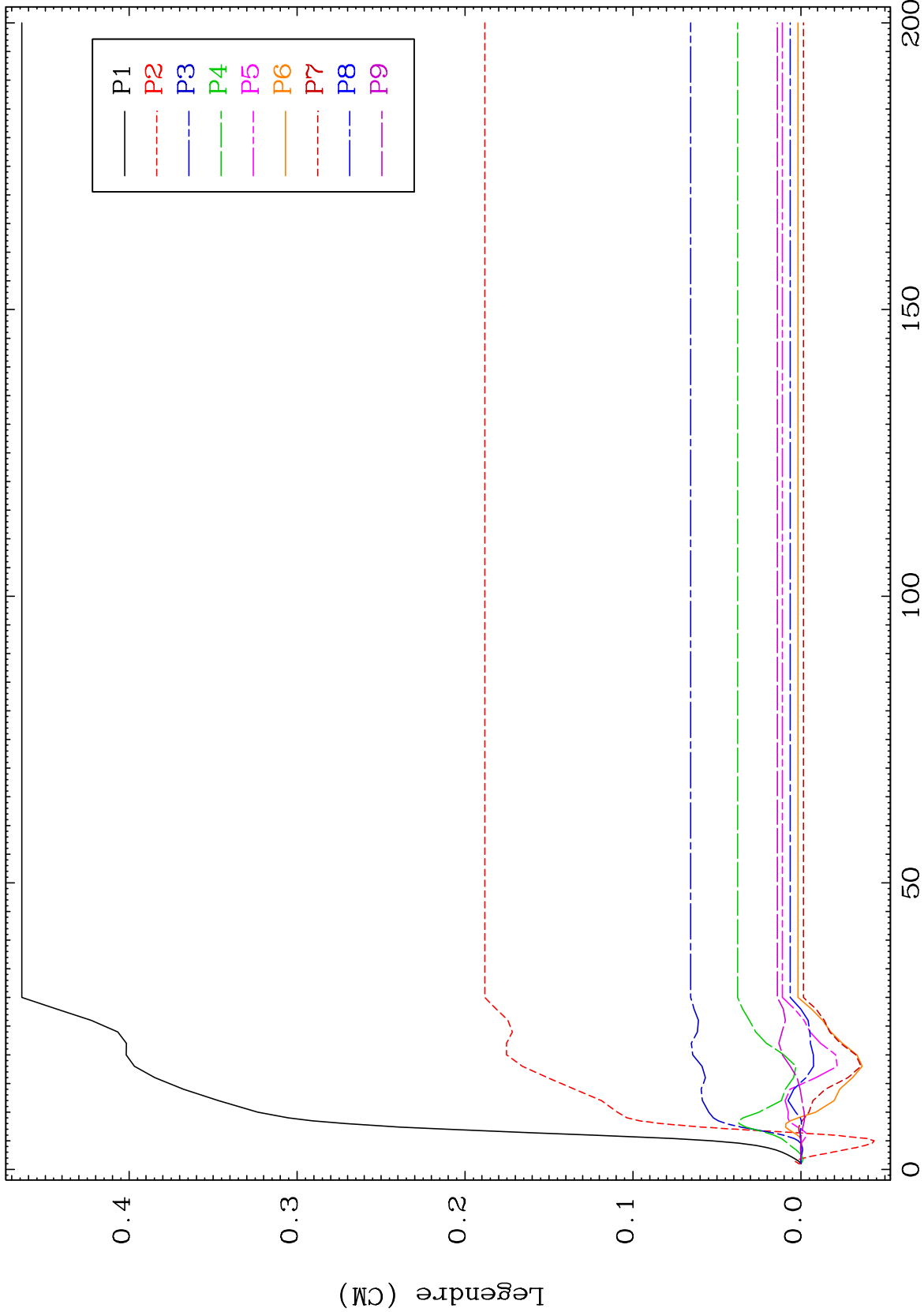
Incident Energy (MeV)

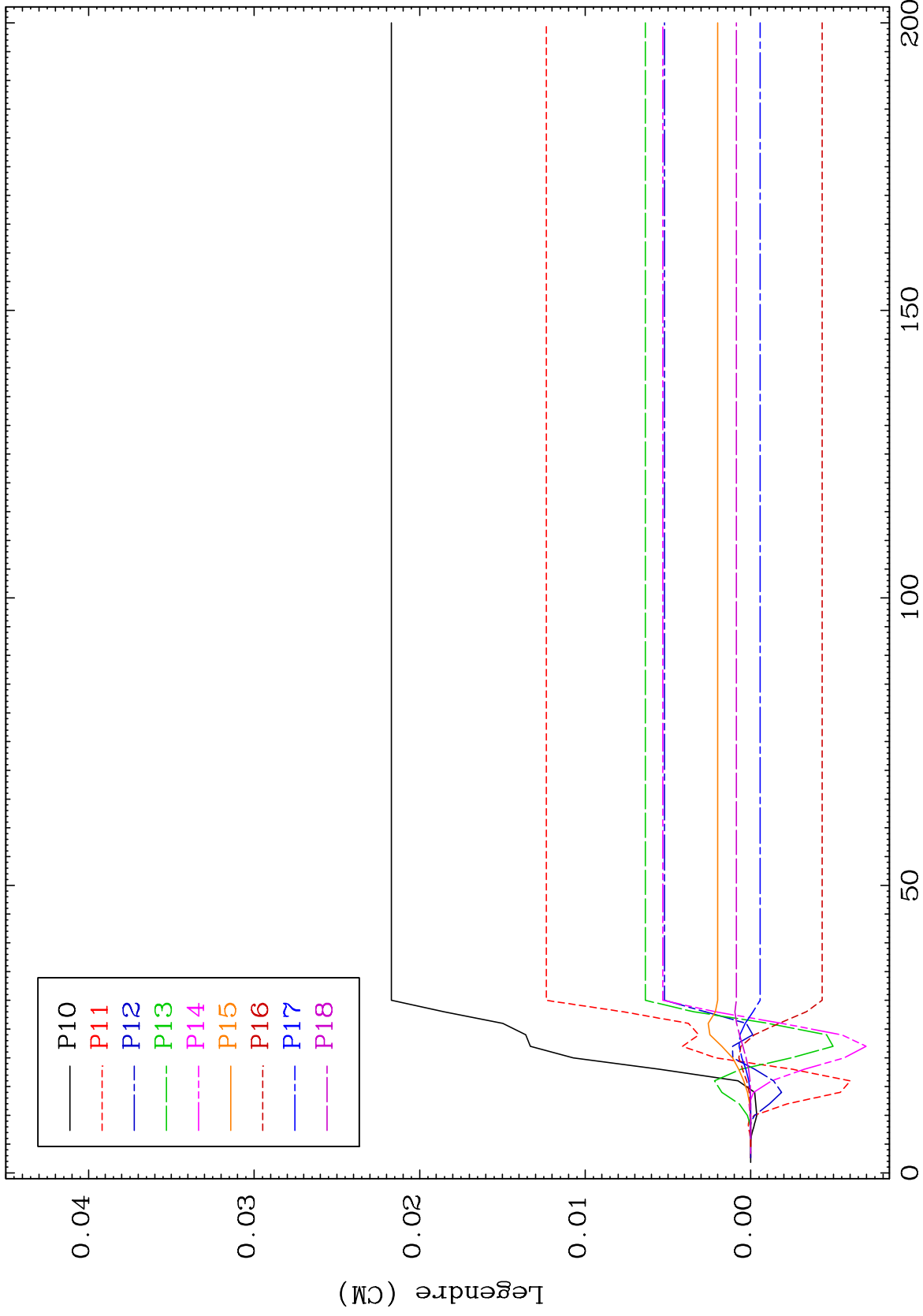
80

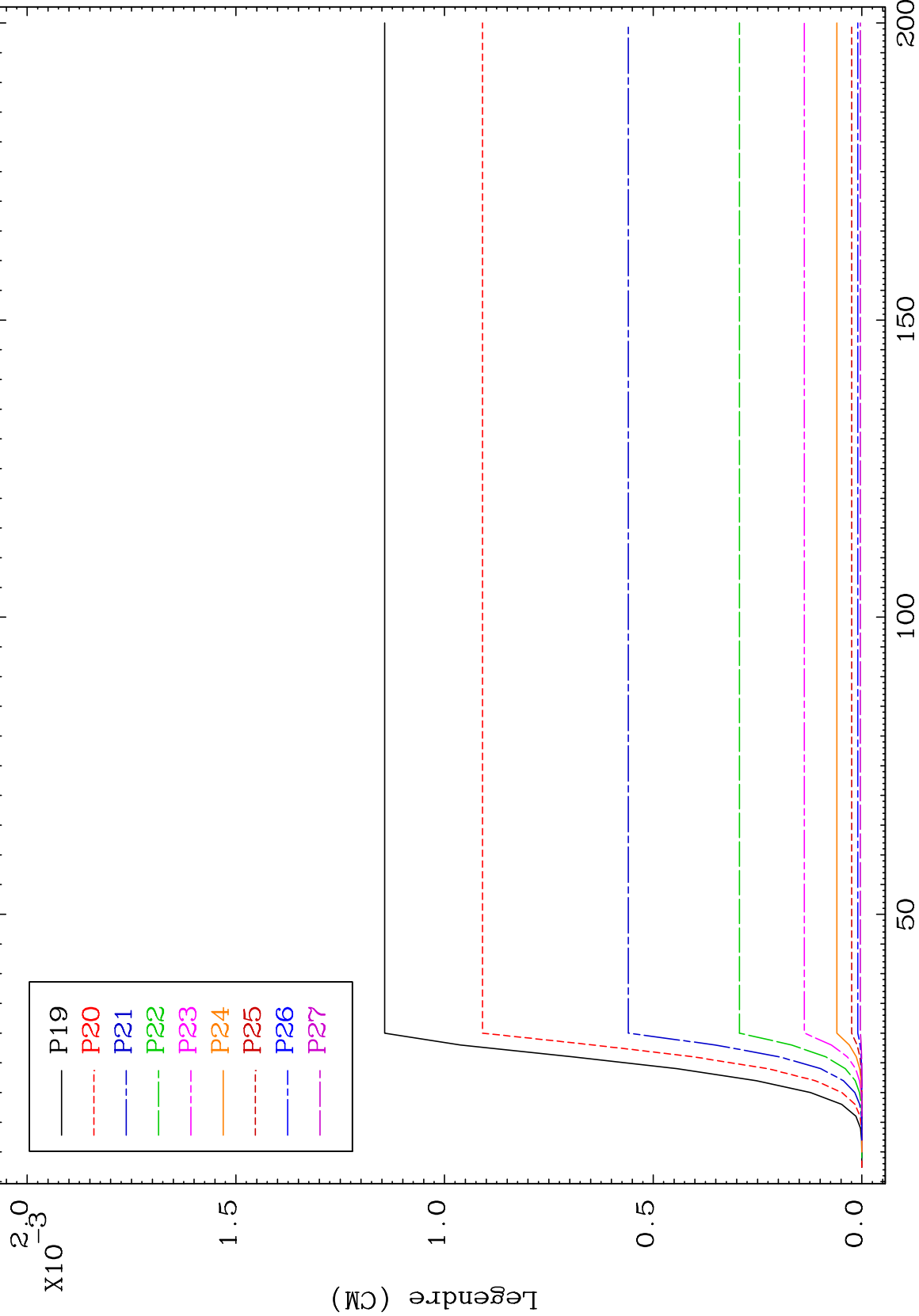


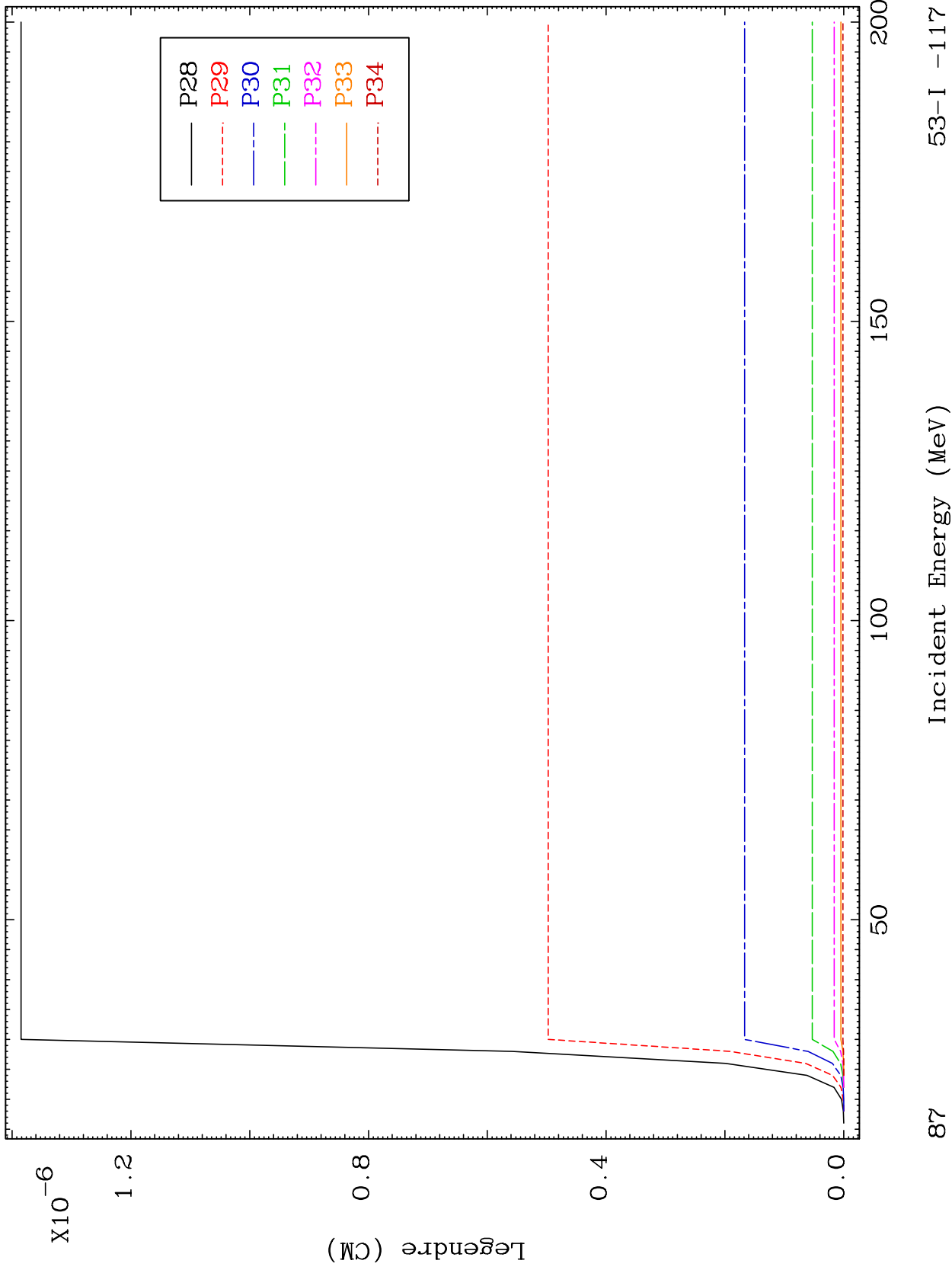




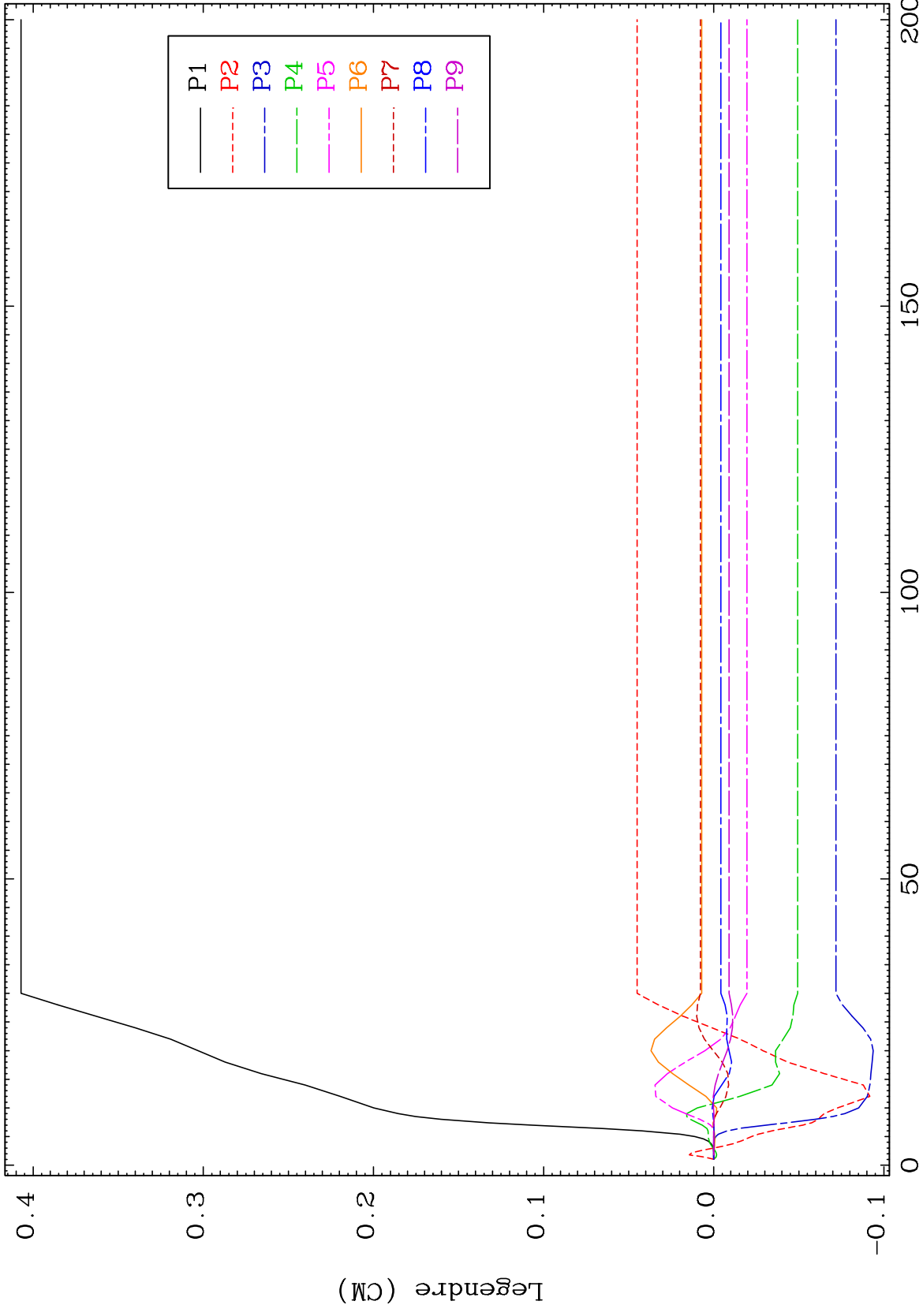








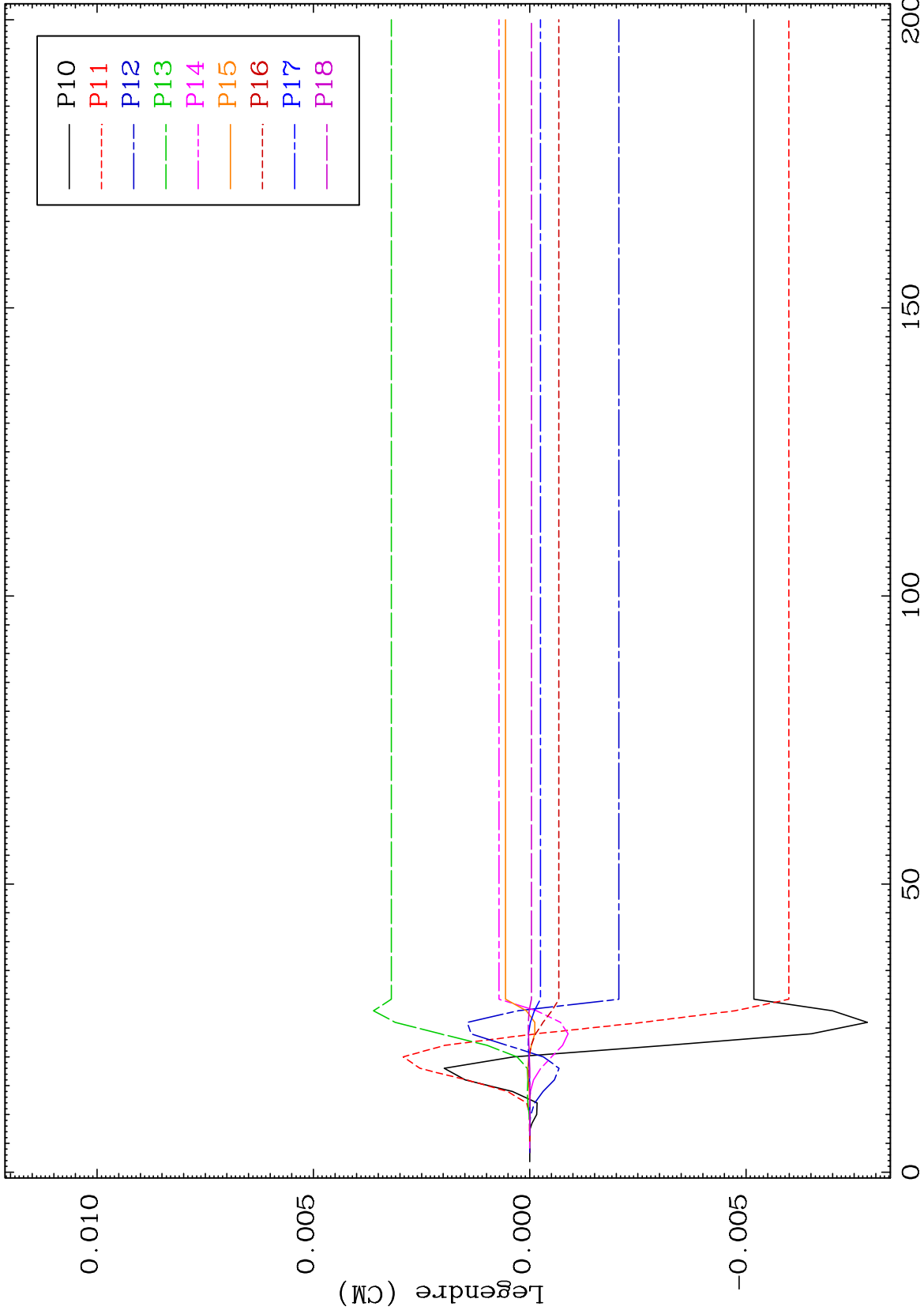




MAT 5295

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

53-I -117



89

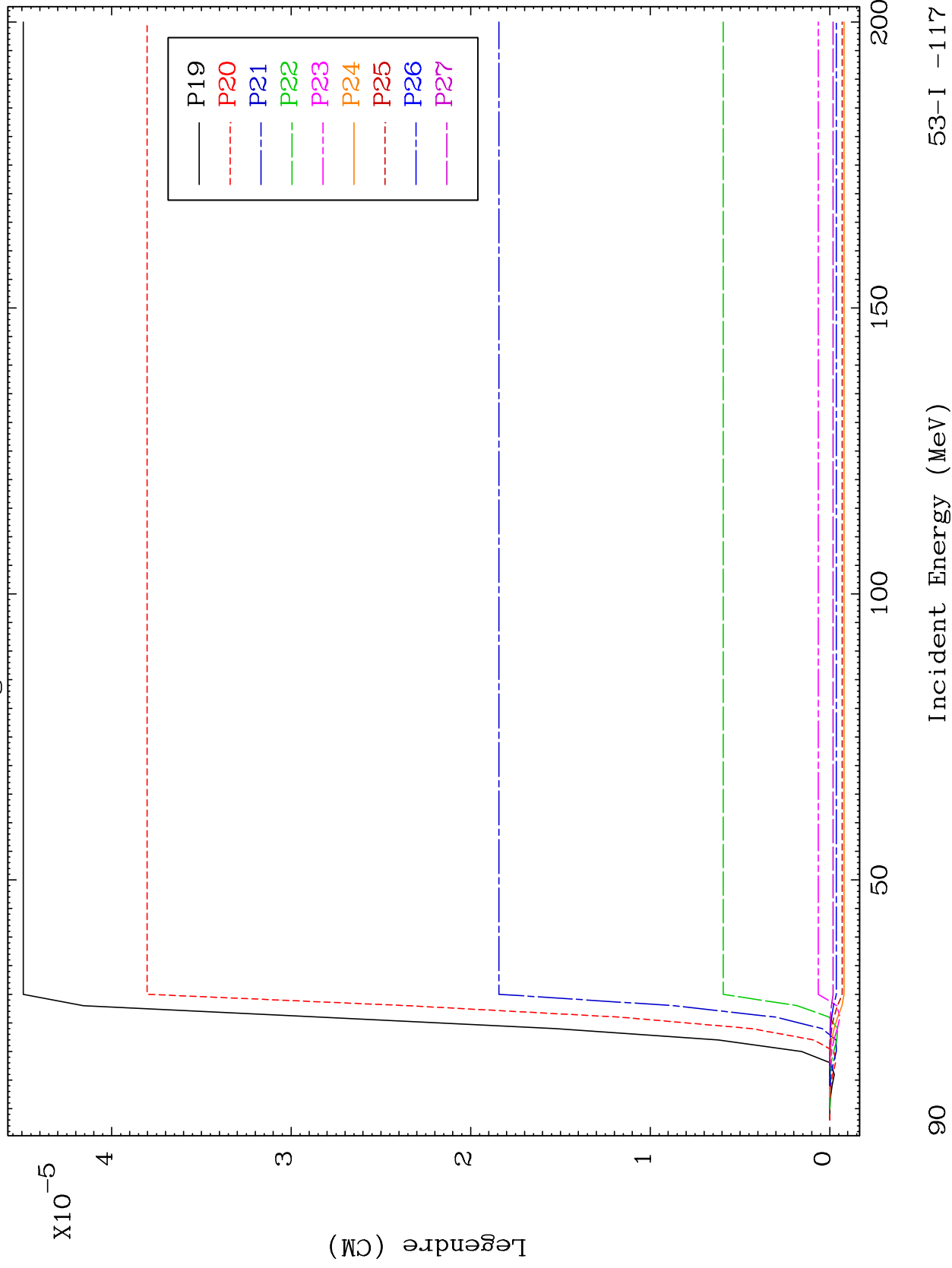
Incident Energy (MeV)

53-I -117

MAT 5295

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

53-I -117



90

Incident Energy (MeV)

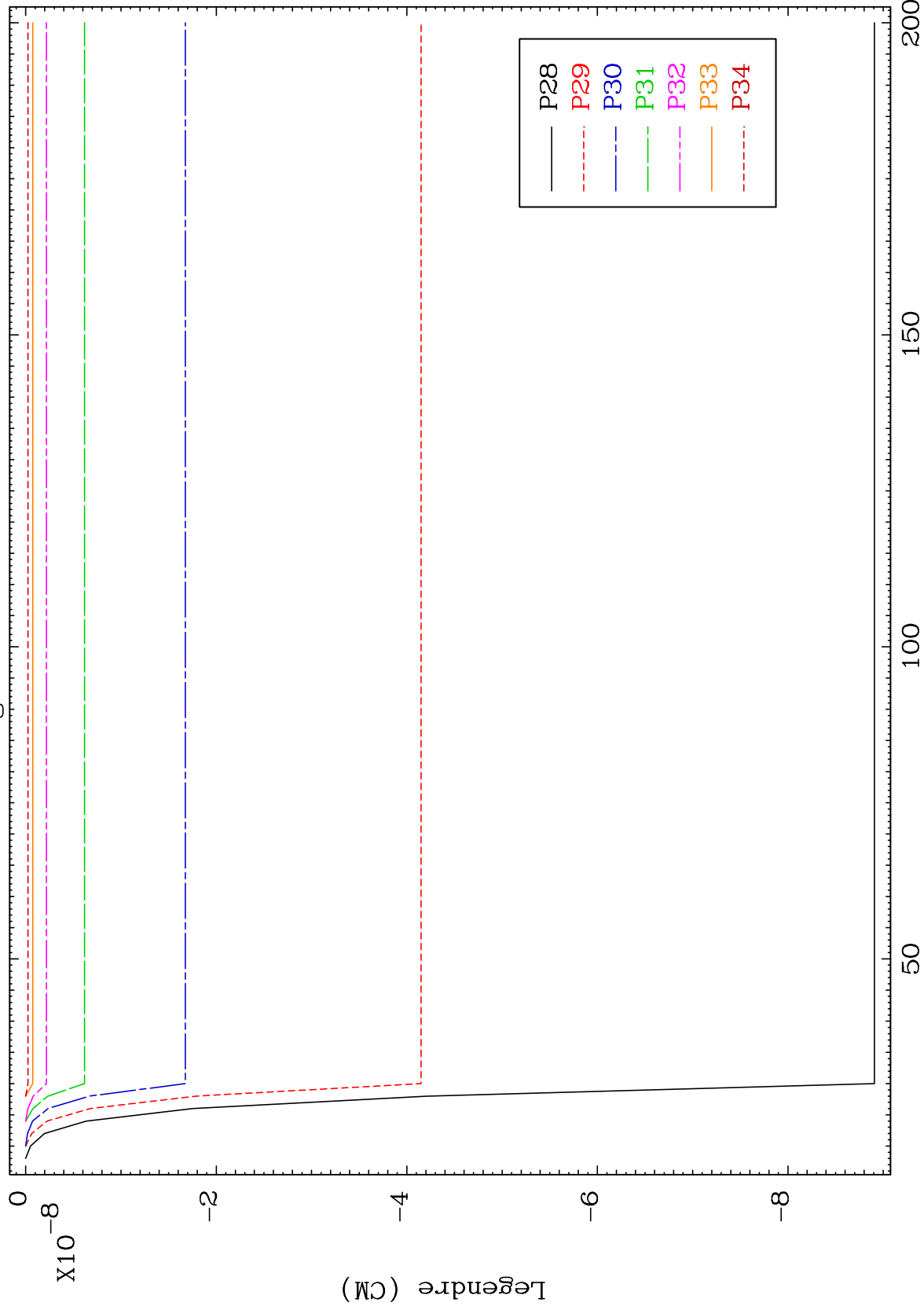
53-I -117

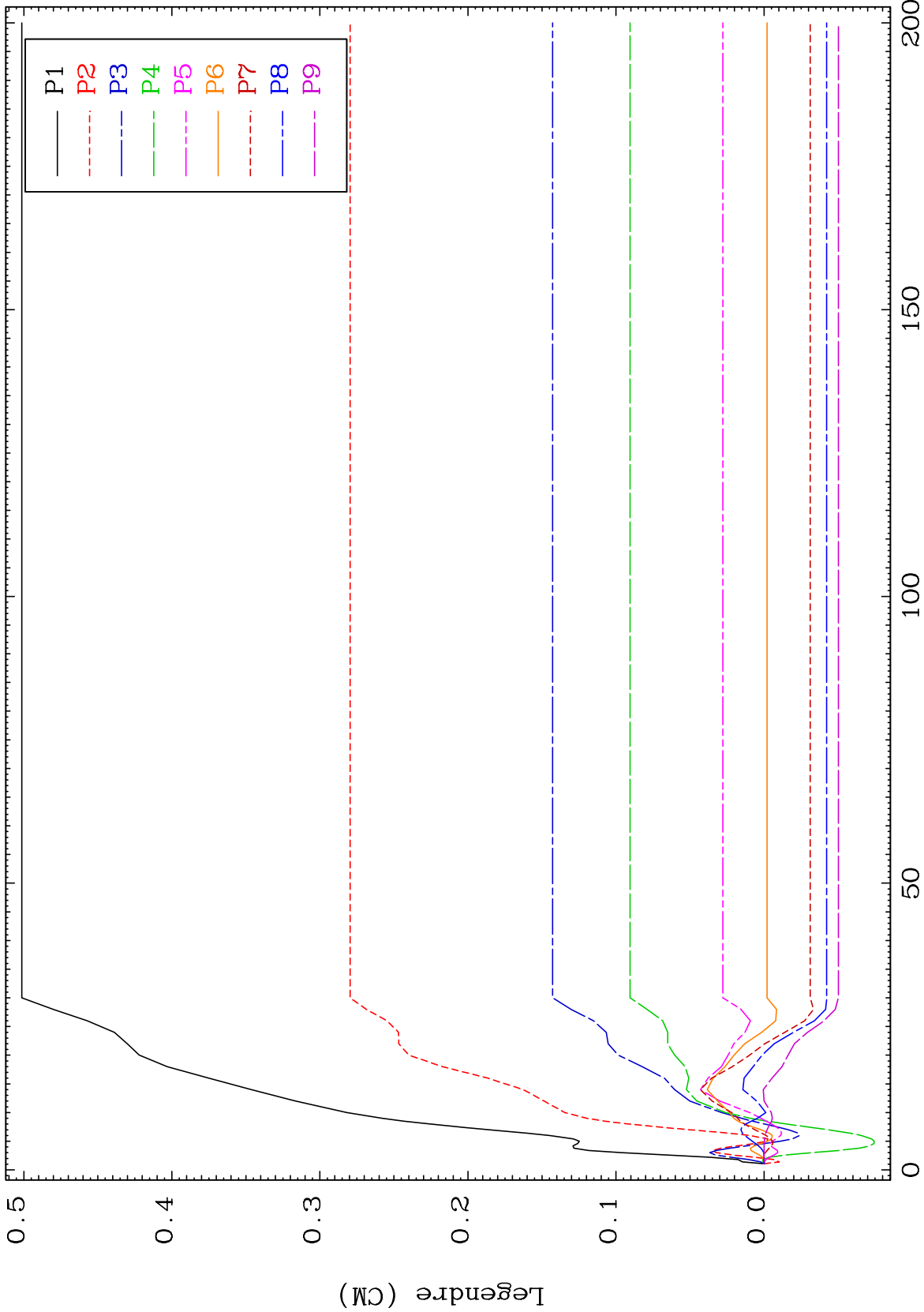
MAT 5295

MT= 68 (n,n') Level

53-I -117

Legendre Coefficients

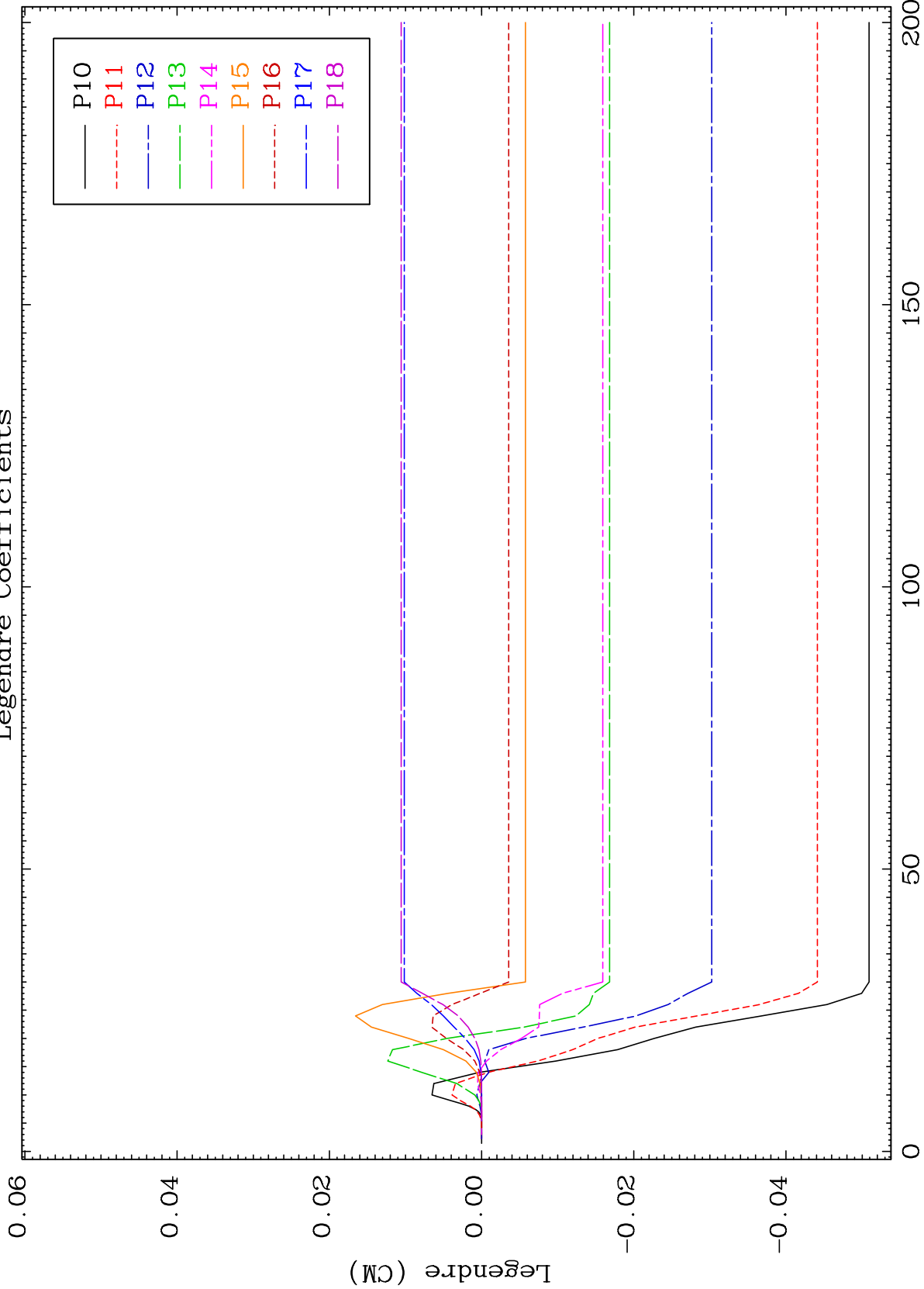




MAT 5295

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

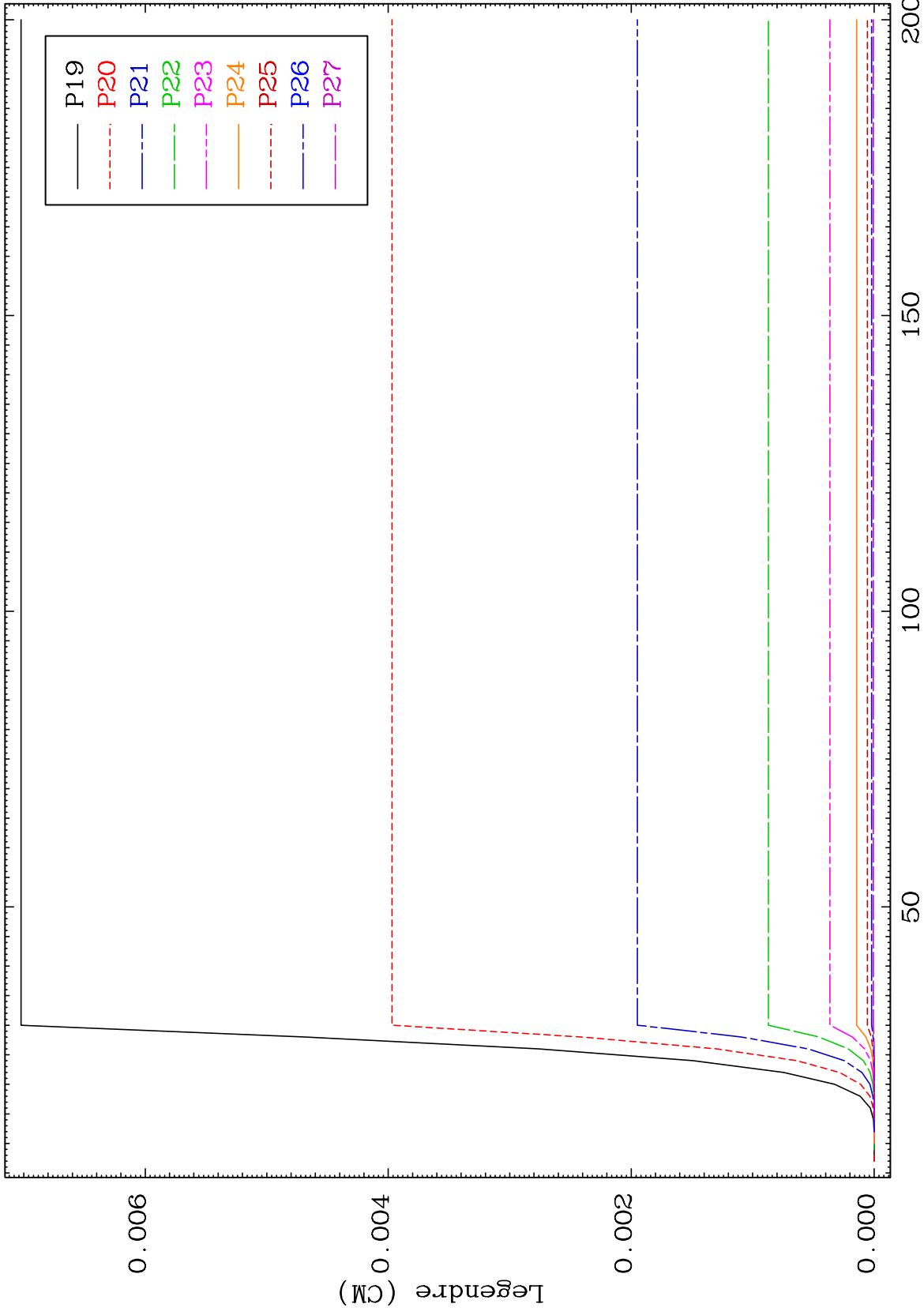
53-I -117



93

Incident Energy (MeV)

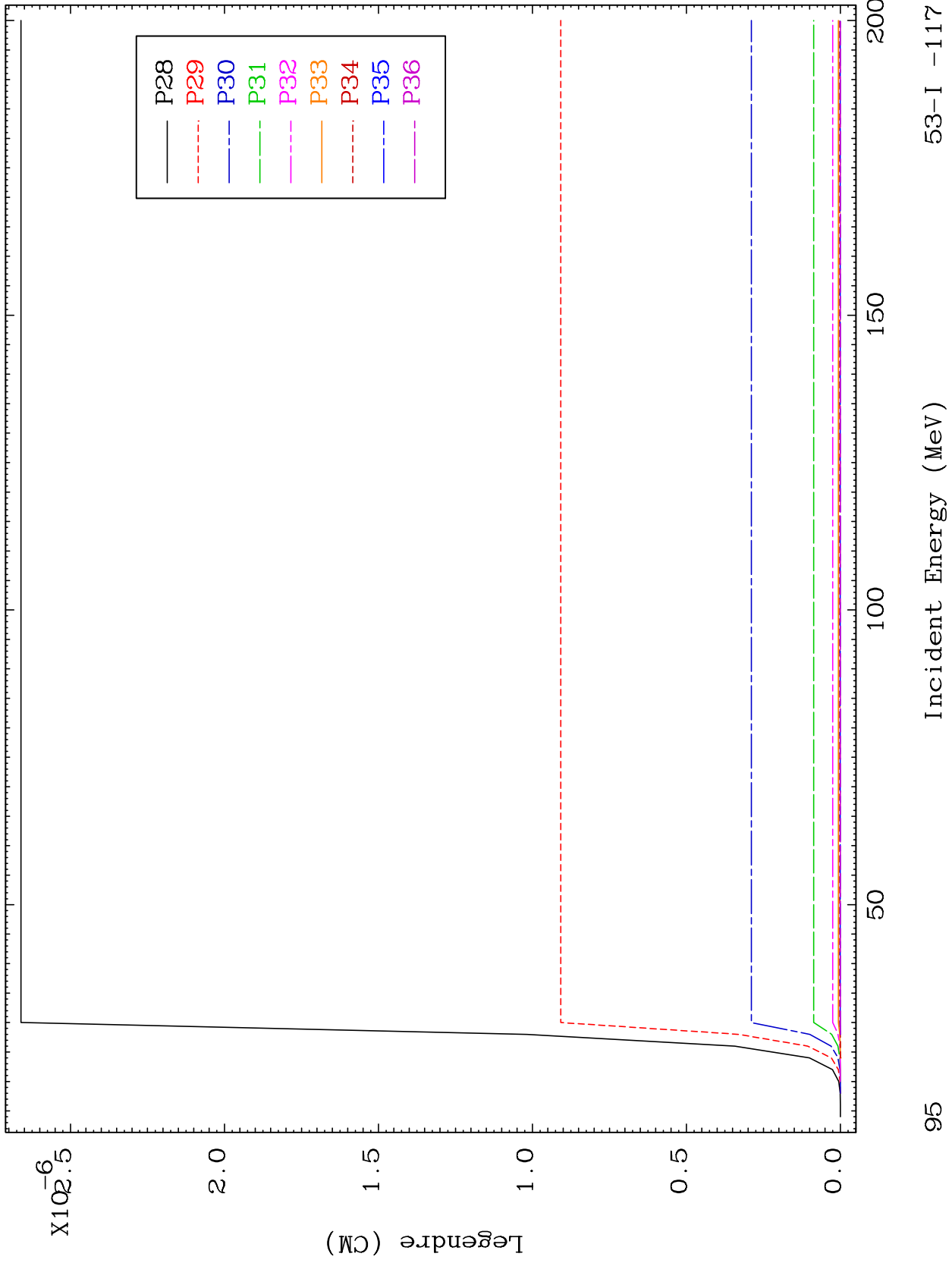
53-I -117



MAT 5295

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

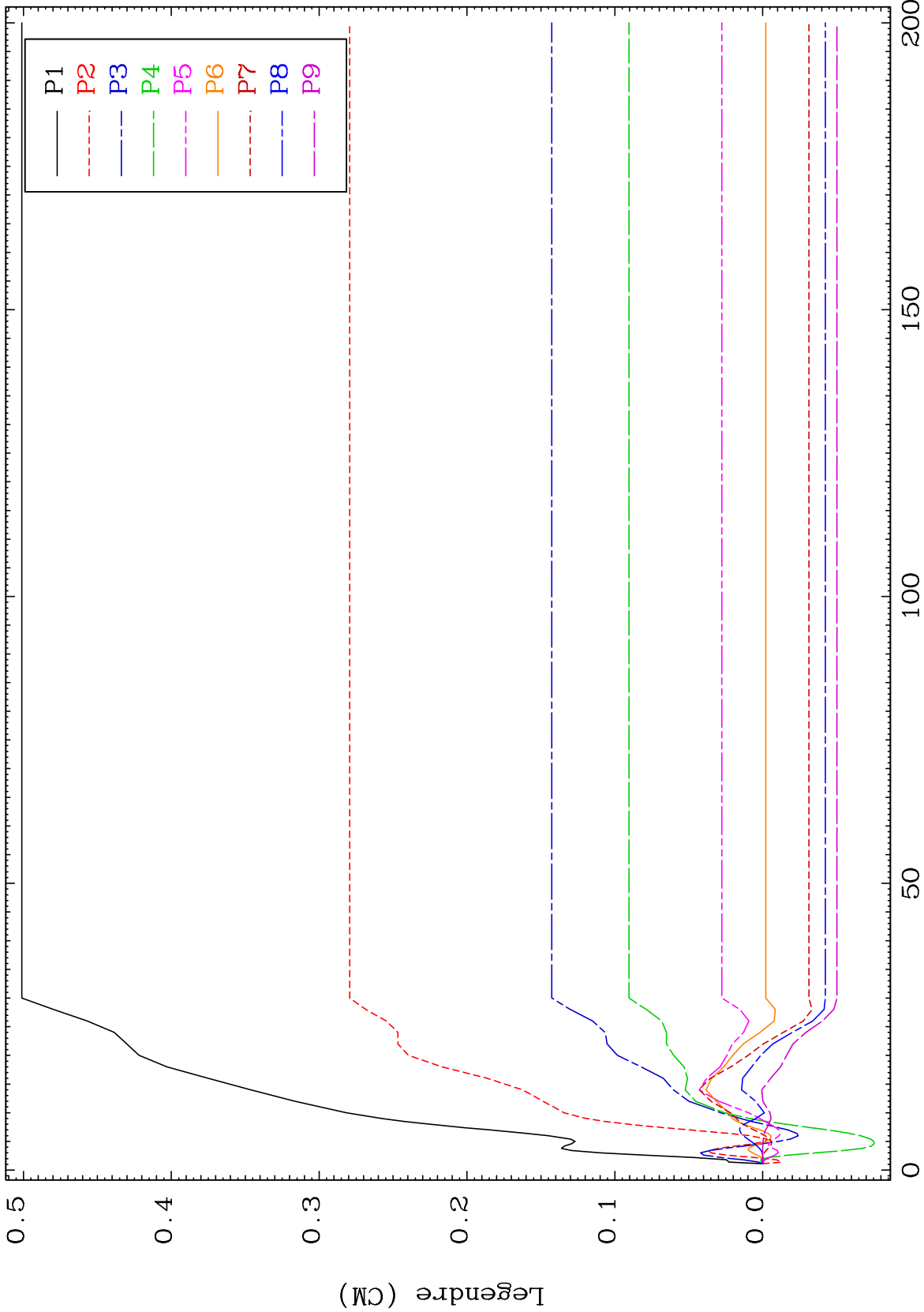
53-I -117



95



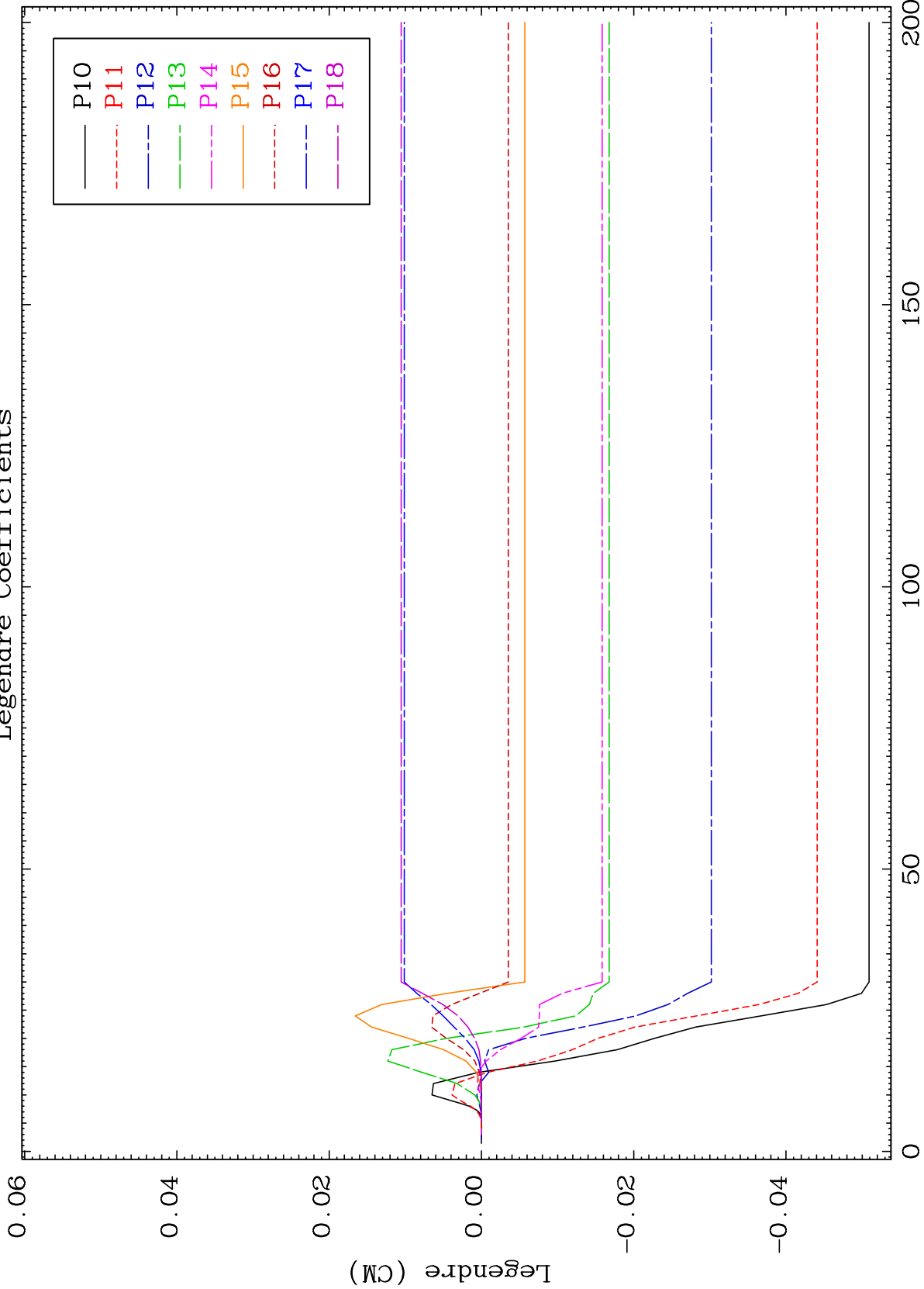
Legendre Coefficients



MAT 5295

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

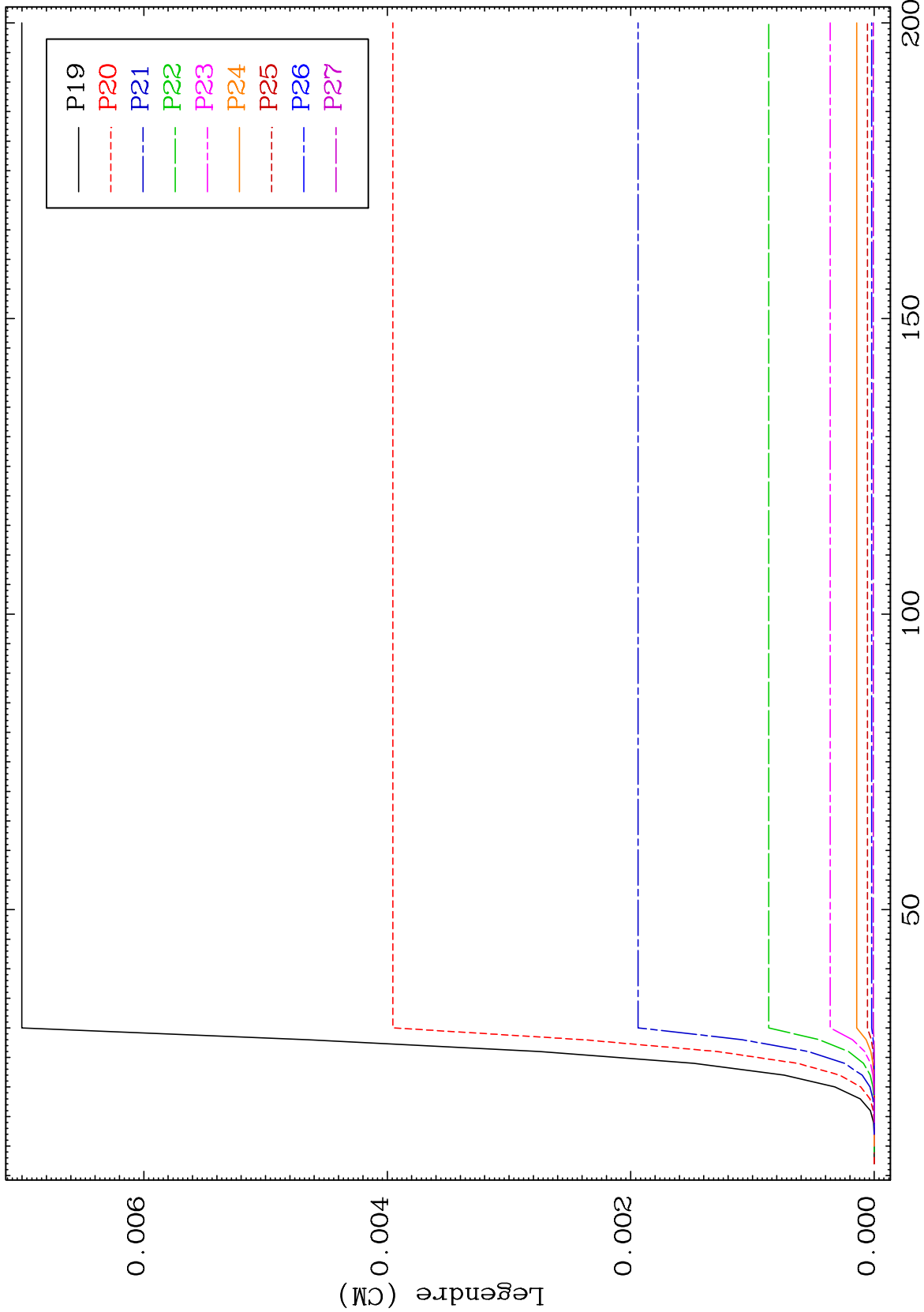
53-I -117

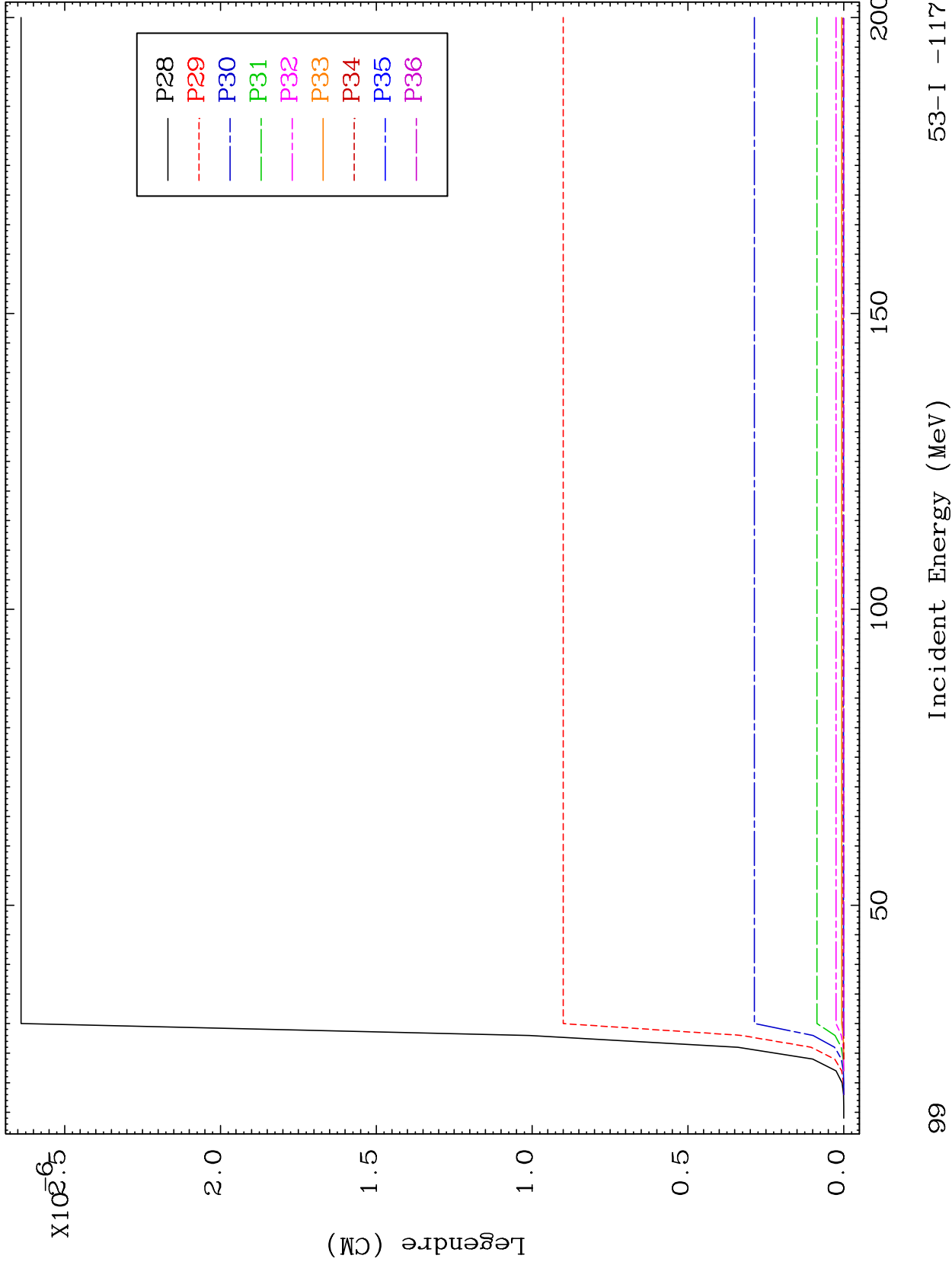


97

Incident Energy (MeV)

53-I -117



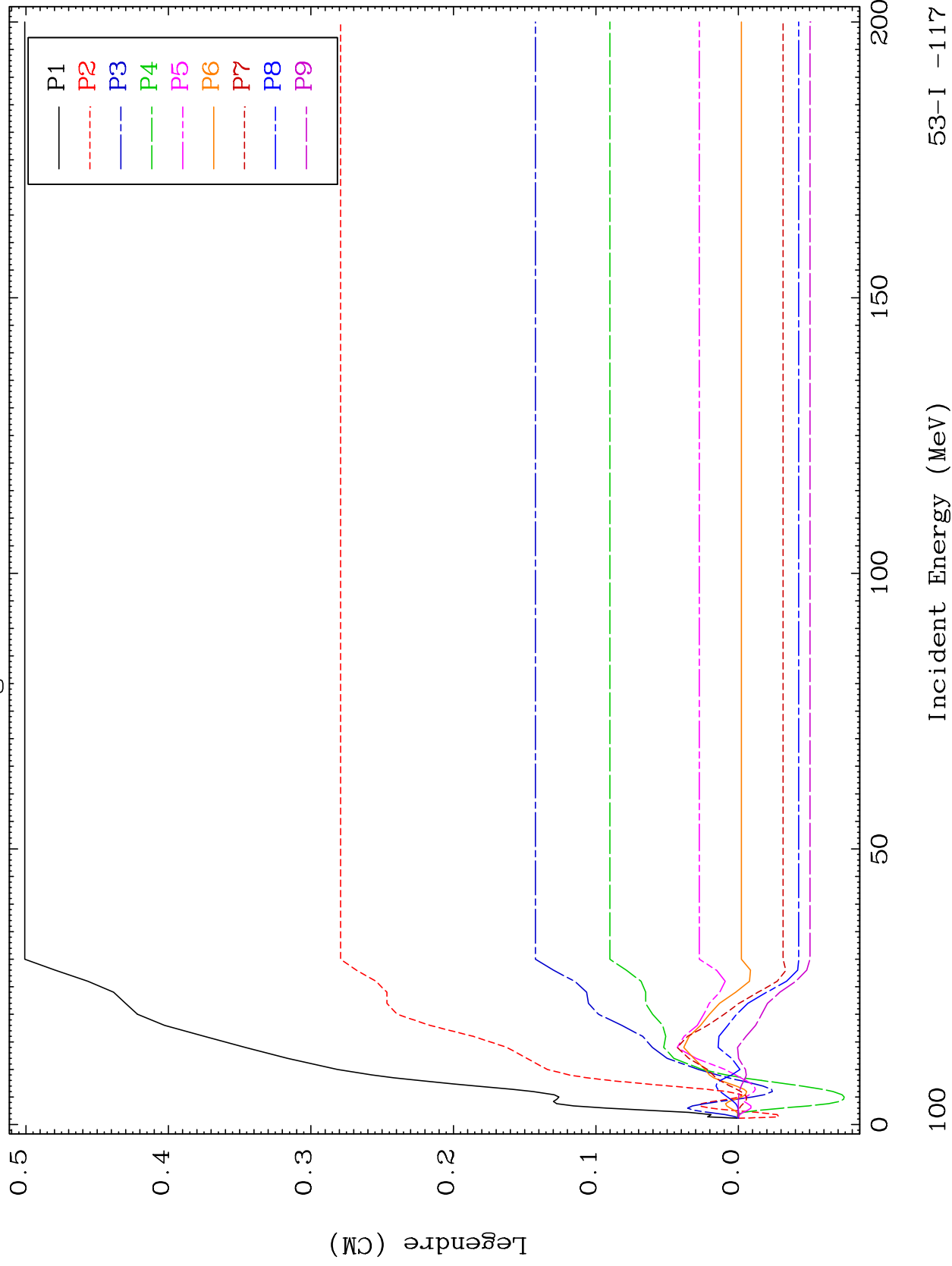


MAT 5295

MT= 71 (n,n') Level

53-I -117

Legendre Coefficients



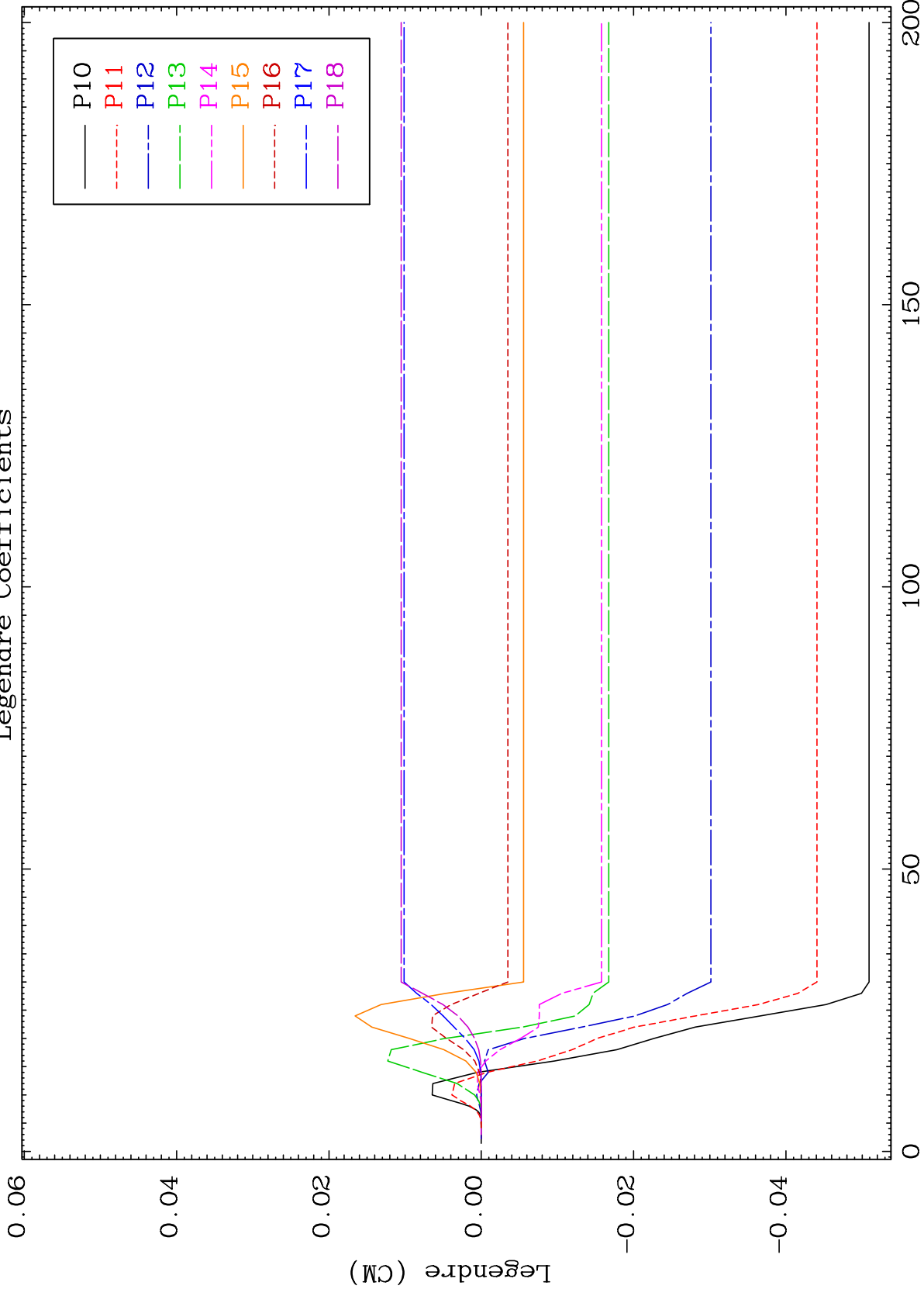
53-I -117

Incident Energy (MeV)

MAT 5295

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

53-I -117



101

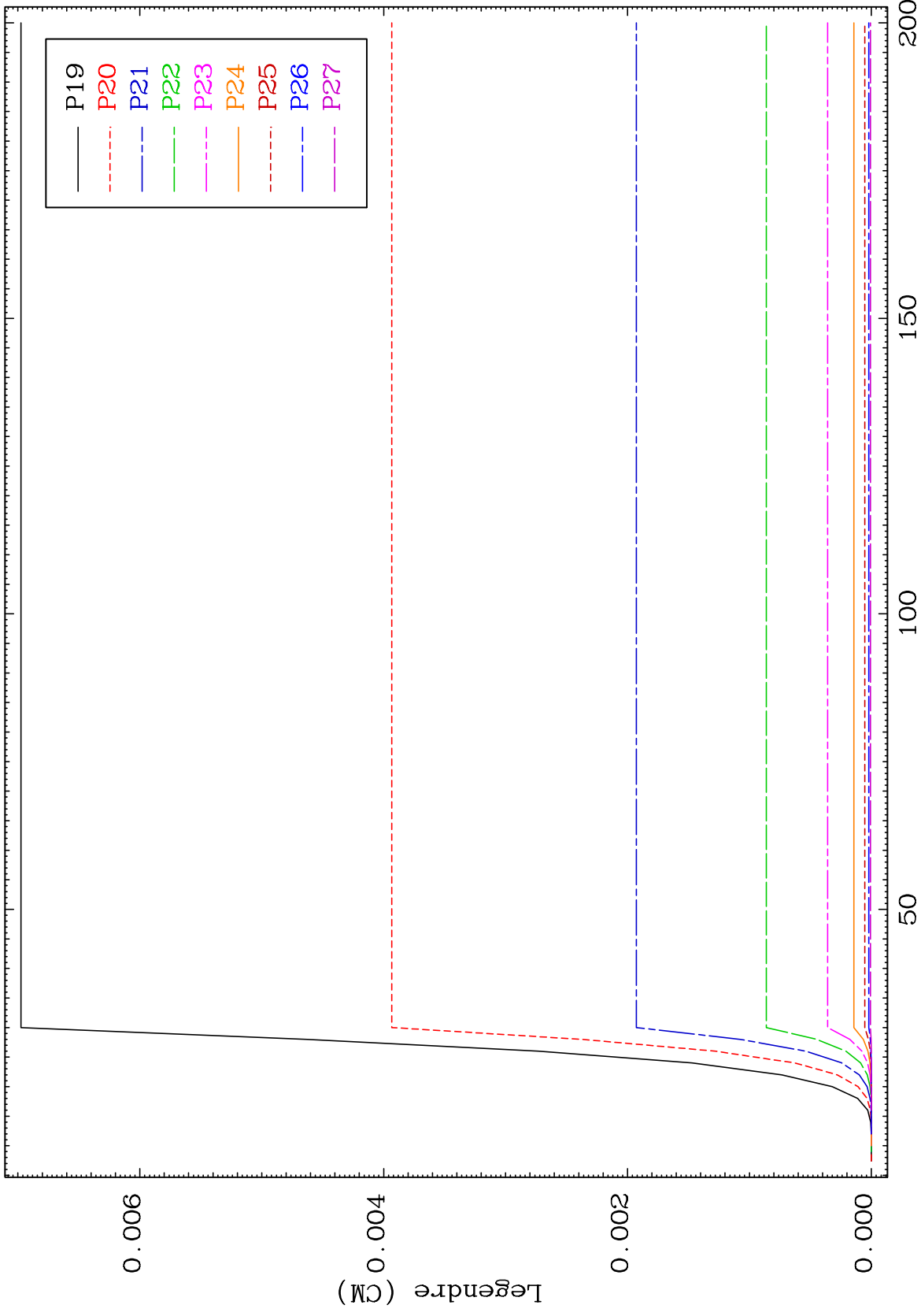
Incident Energy (MeV)

53-I -117

MAT 5295

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

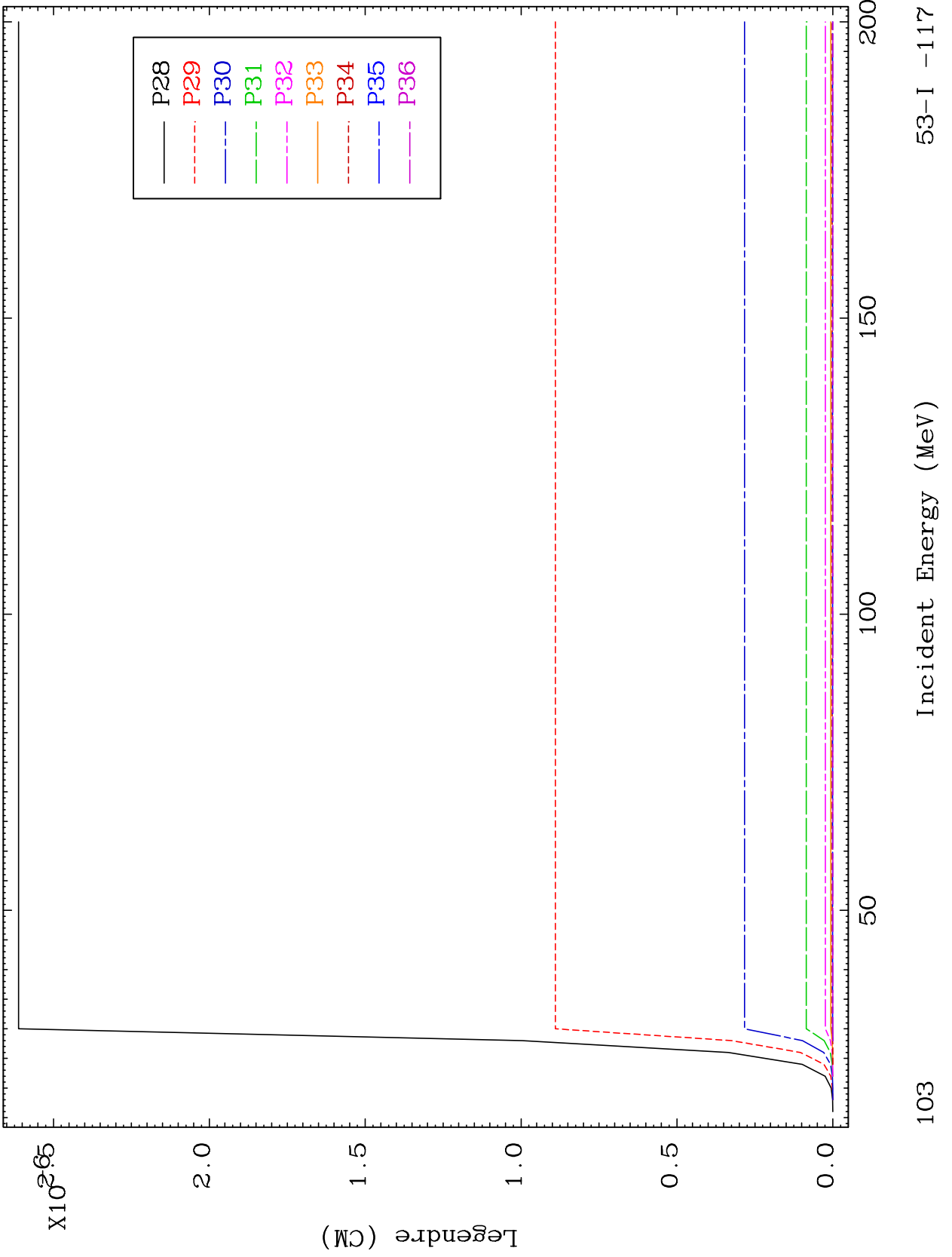
53-I -117



102

Incident Energy (MeV)

53-I -117

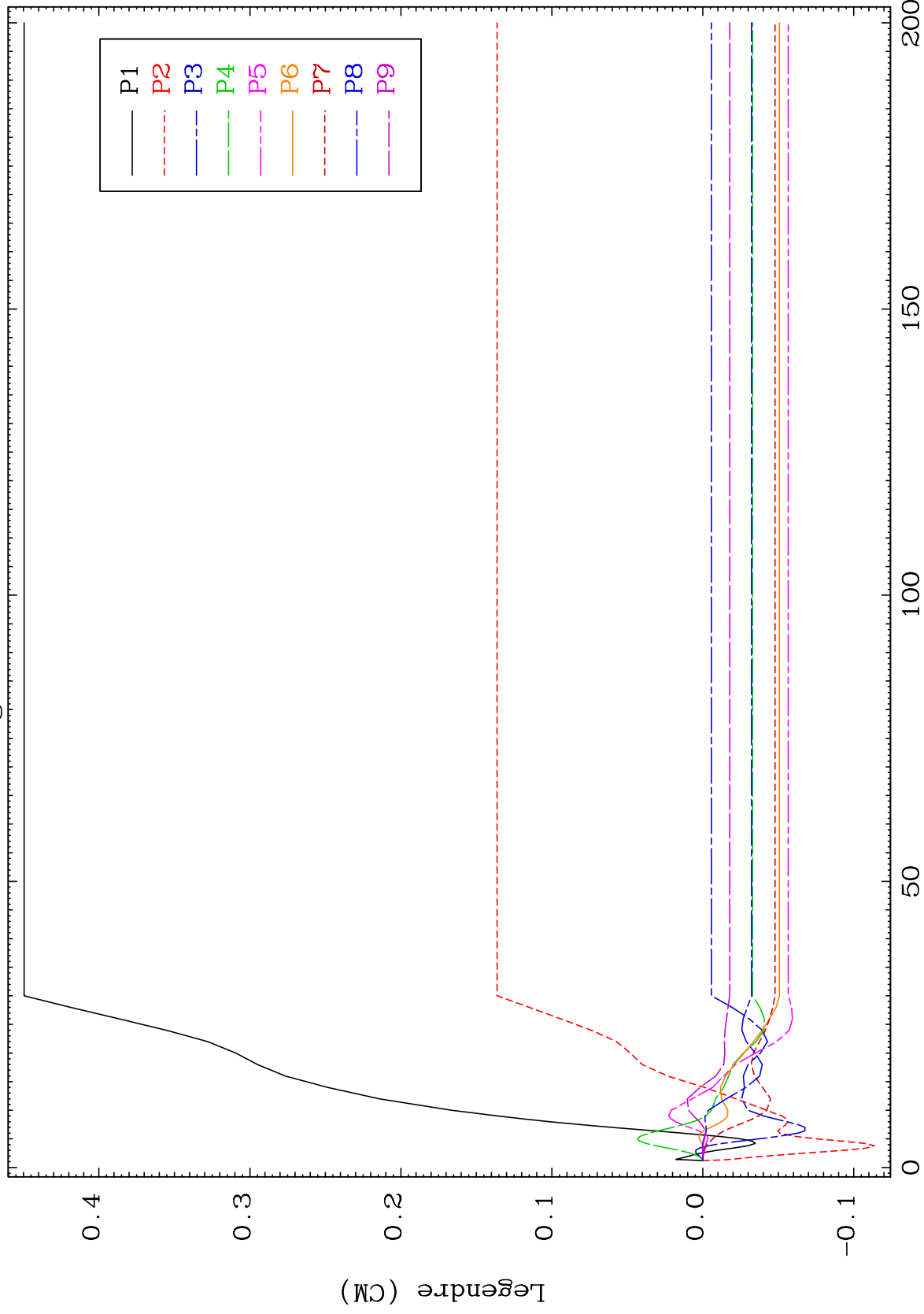




MAT 5295

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

53-I -117



104

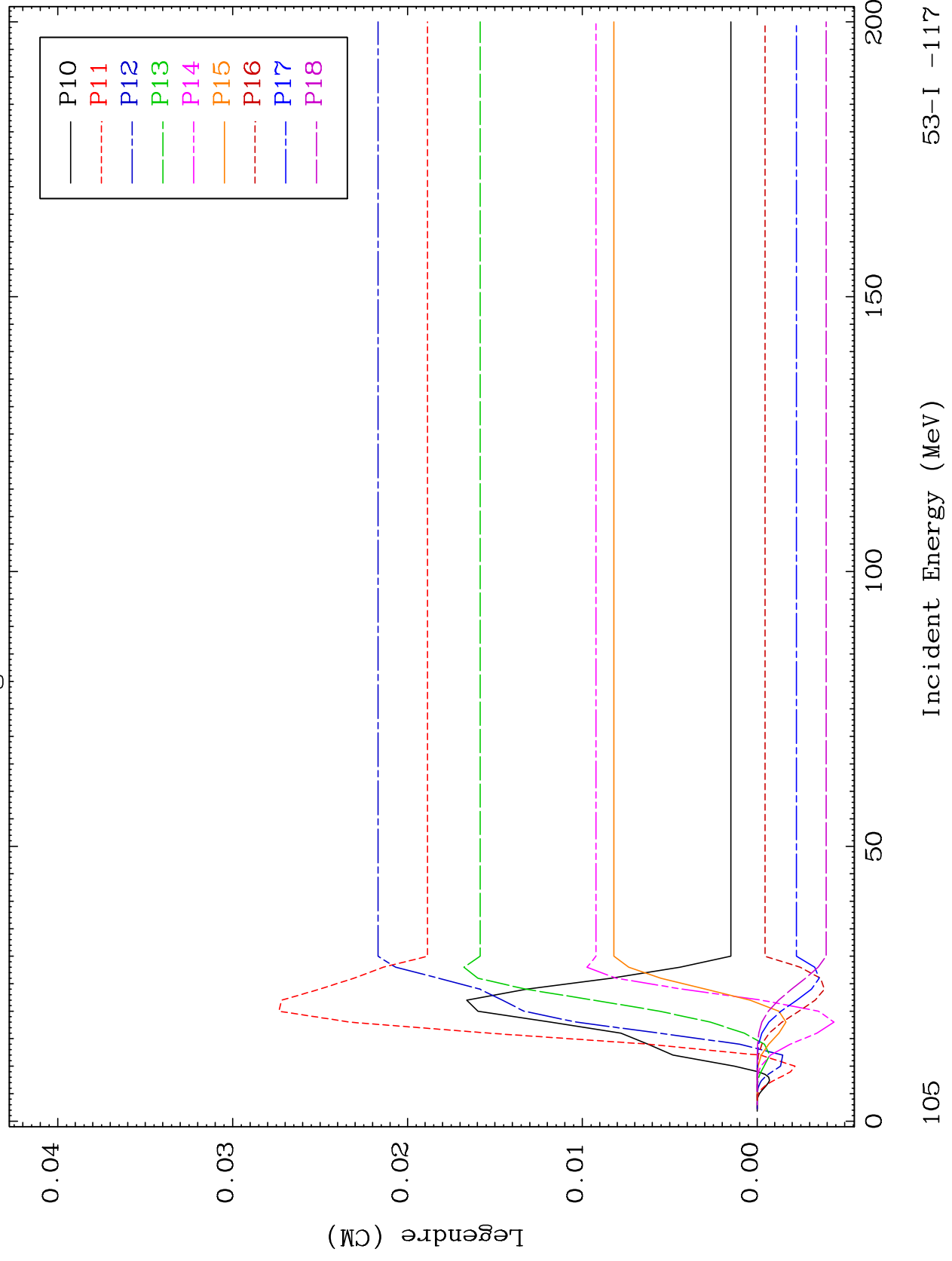
Incident Energy (MeV)

53-I -117

MAT 5295

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

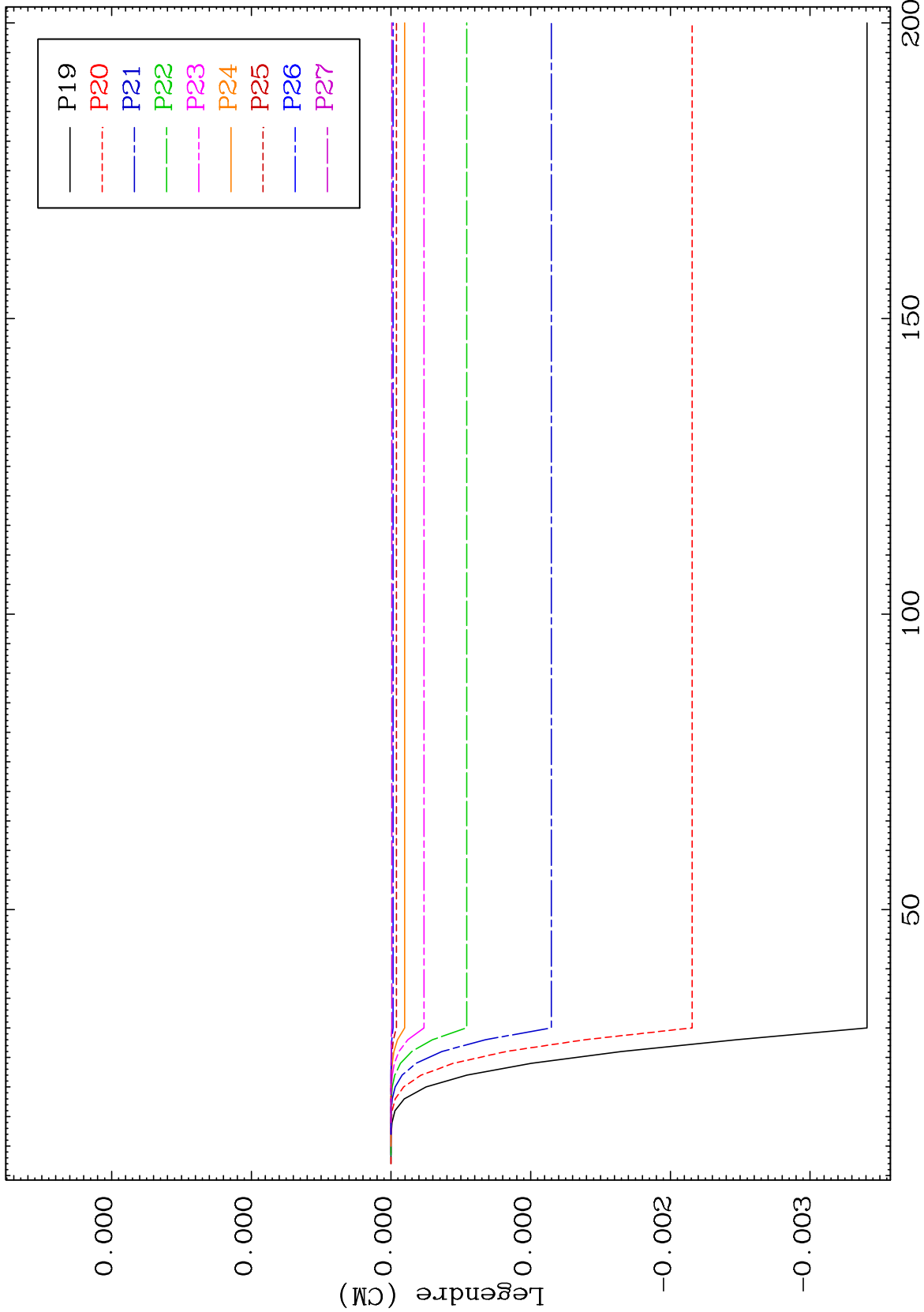
53-I -117



53-I -117

Incident Energy (MeV)

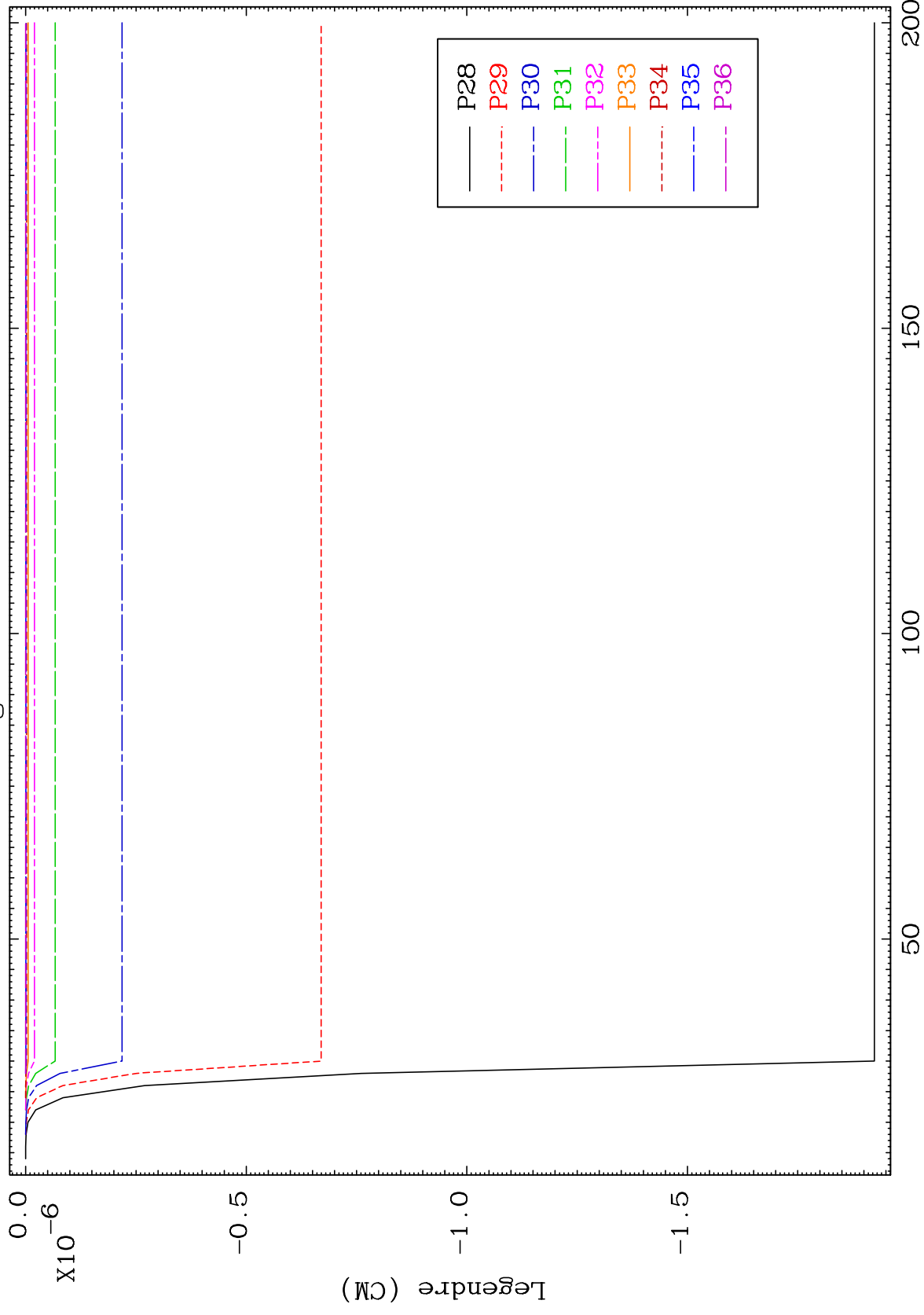
105



MAT 5295

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

53-I -117



107

Incident Energy (MeV)

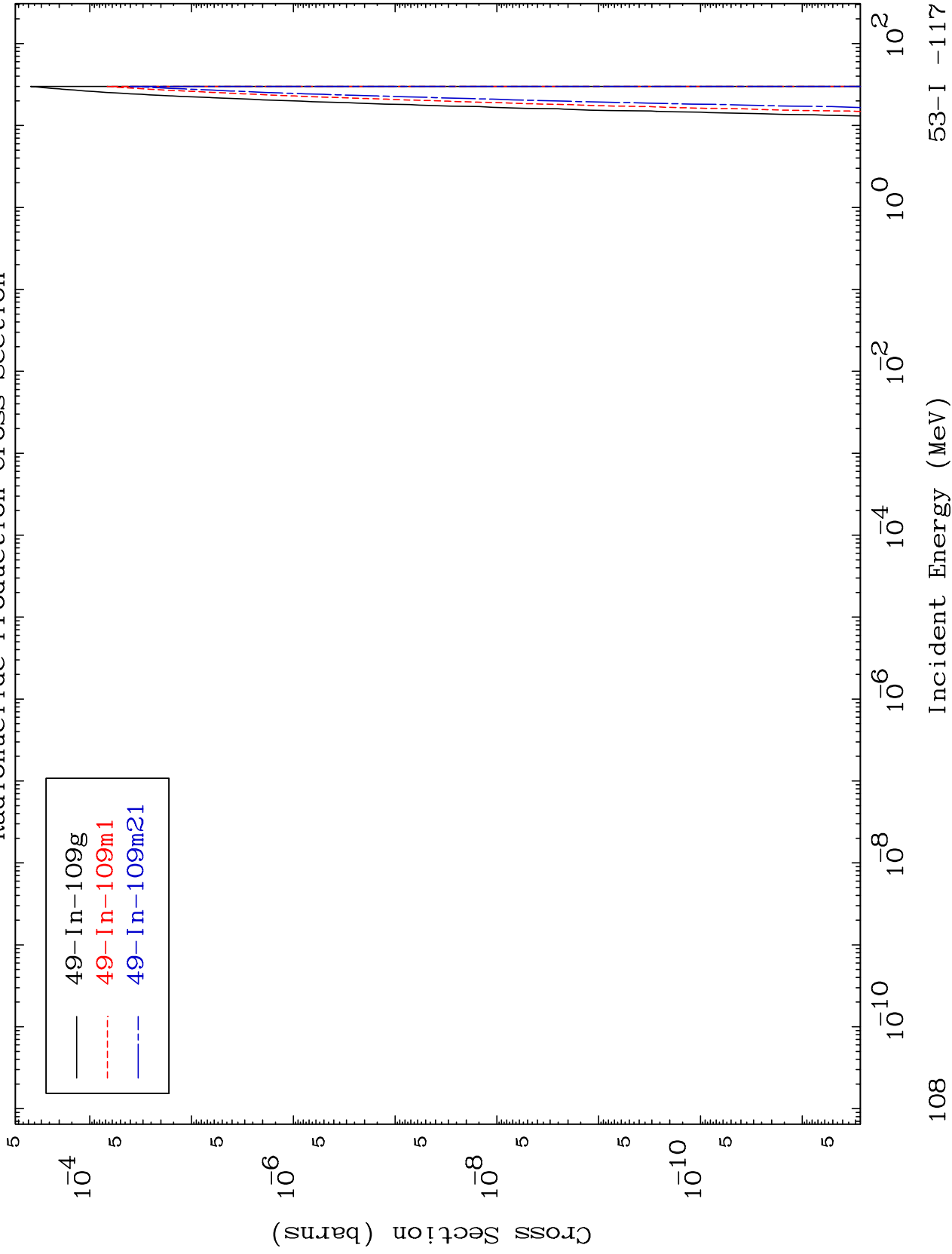
53-I -117

MAT 5295

(n,n') 2α

53-I -117

Radionuclide Production Cross Section



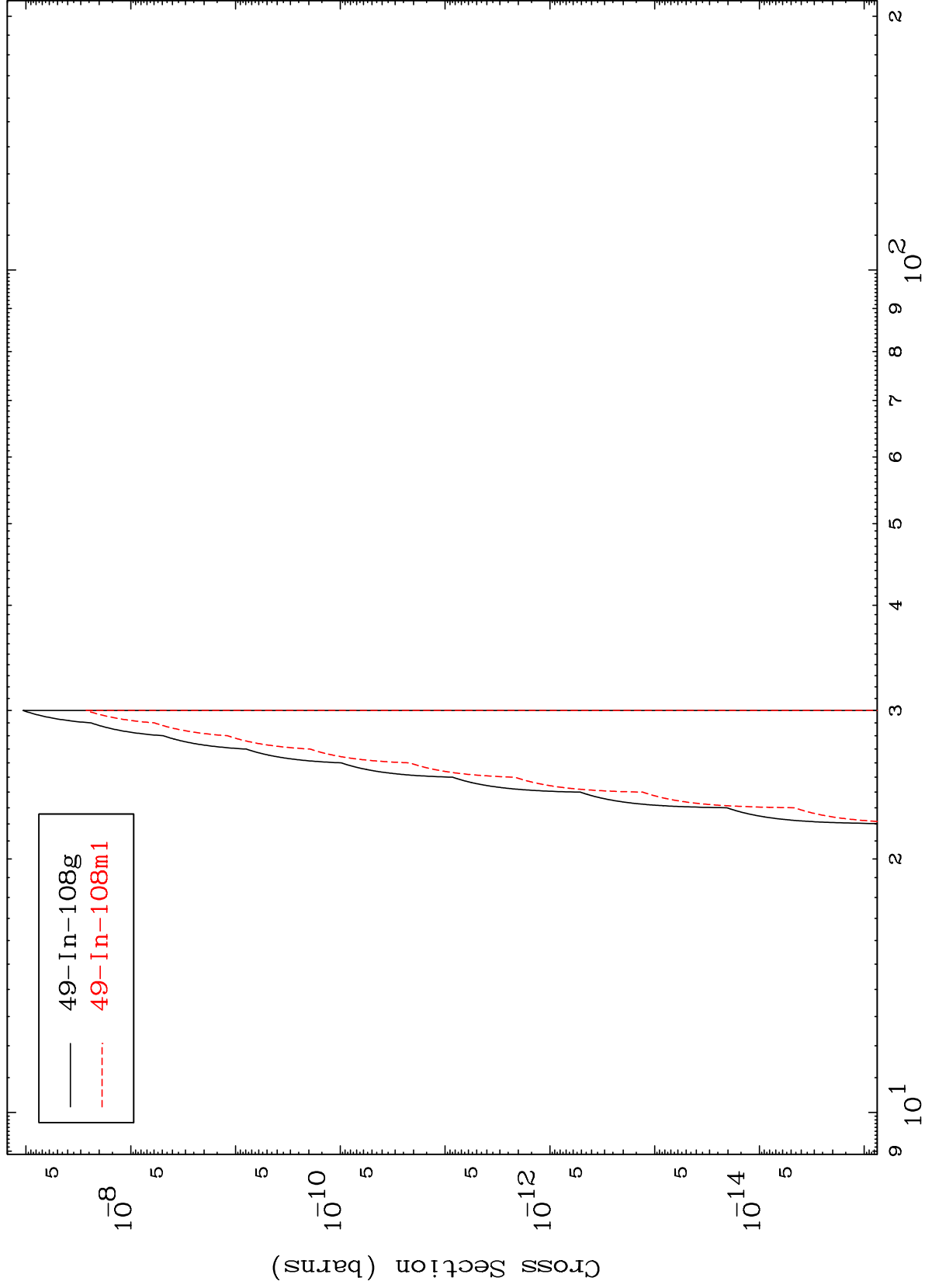
108

MAT 5295

(n,2n)  $^{208}\text{Pb}$

53-I -117

Radionuclide Production Cross Section



109

Incident Energy (MeV)

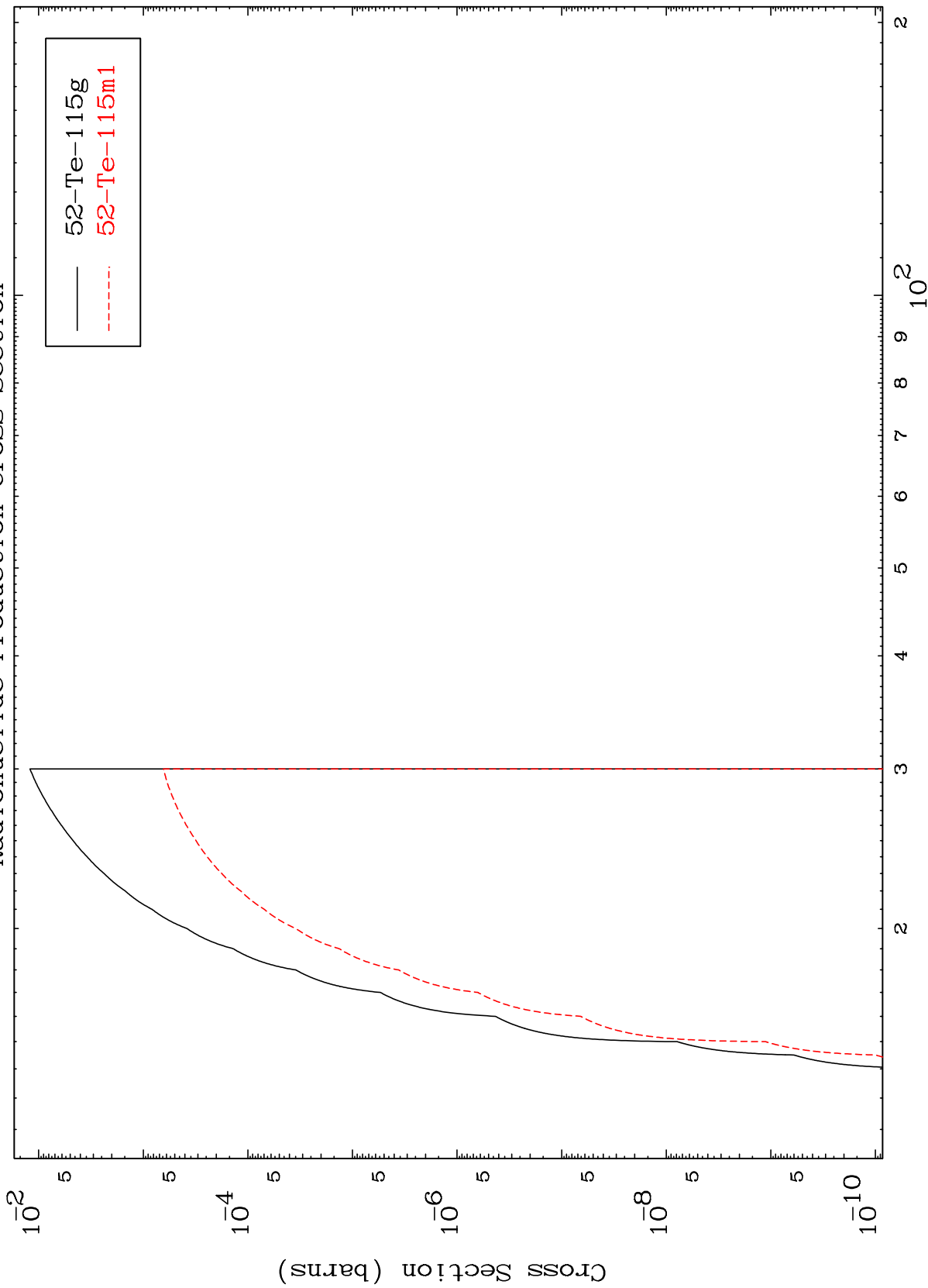
53-I -117

MAT 5295

(n,n') d

53-I -117

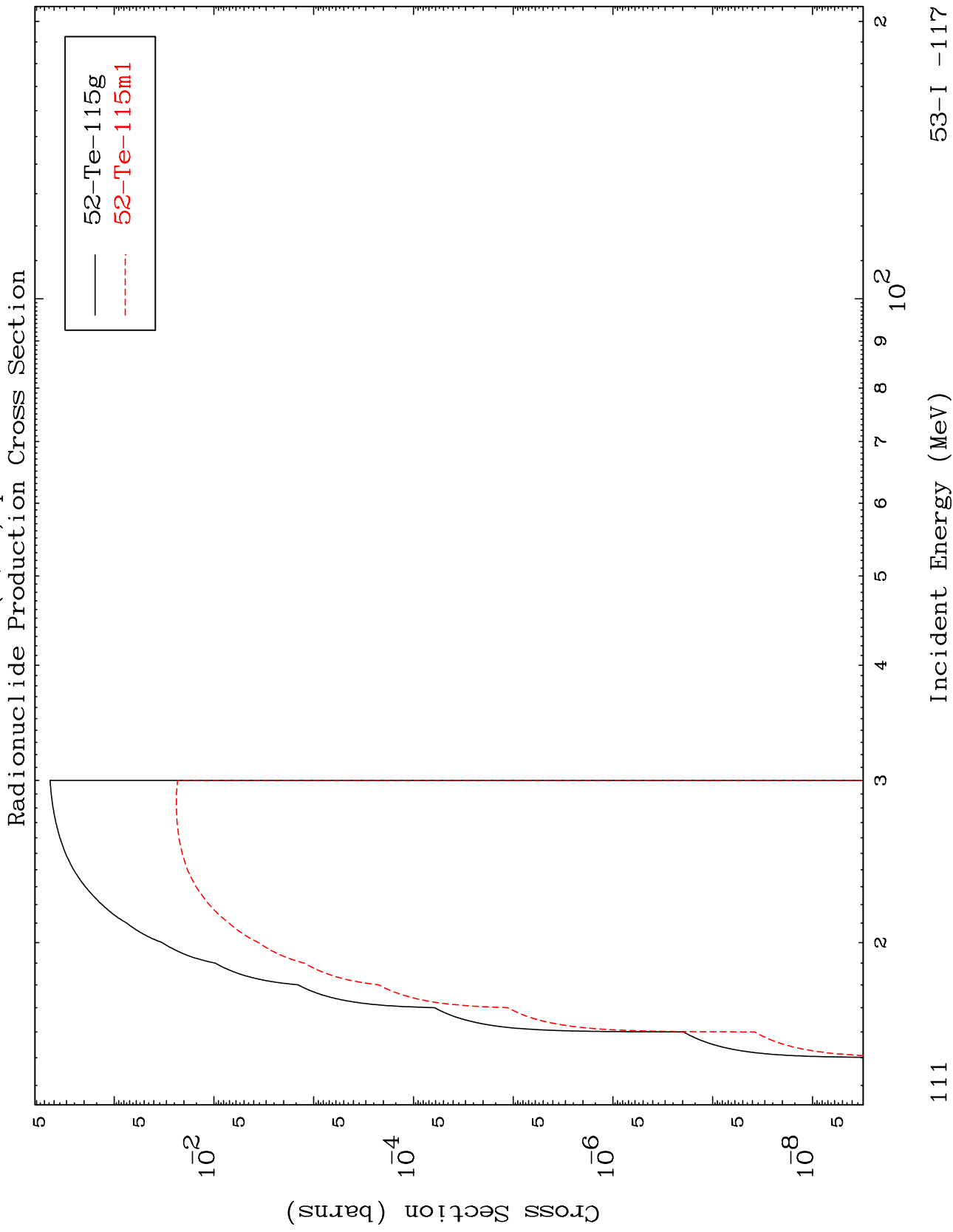
Radionuclide Production Cross Section



110

Incident Energy (MeV)

53-I -117

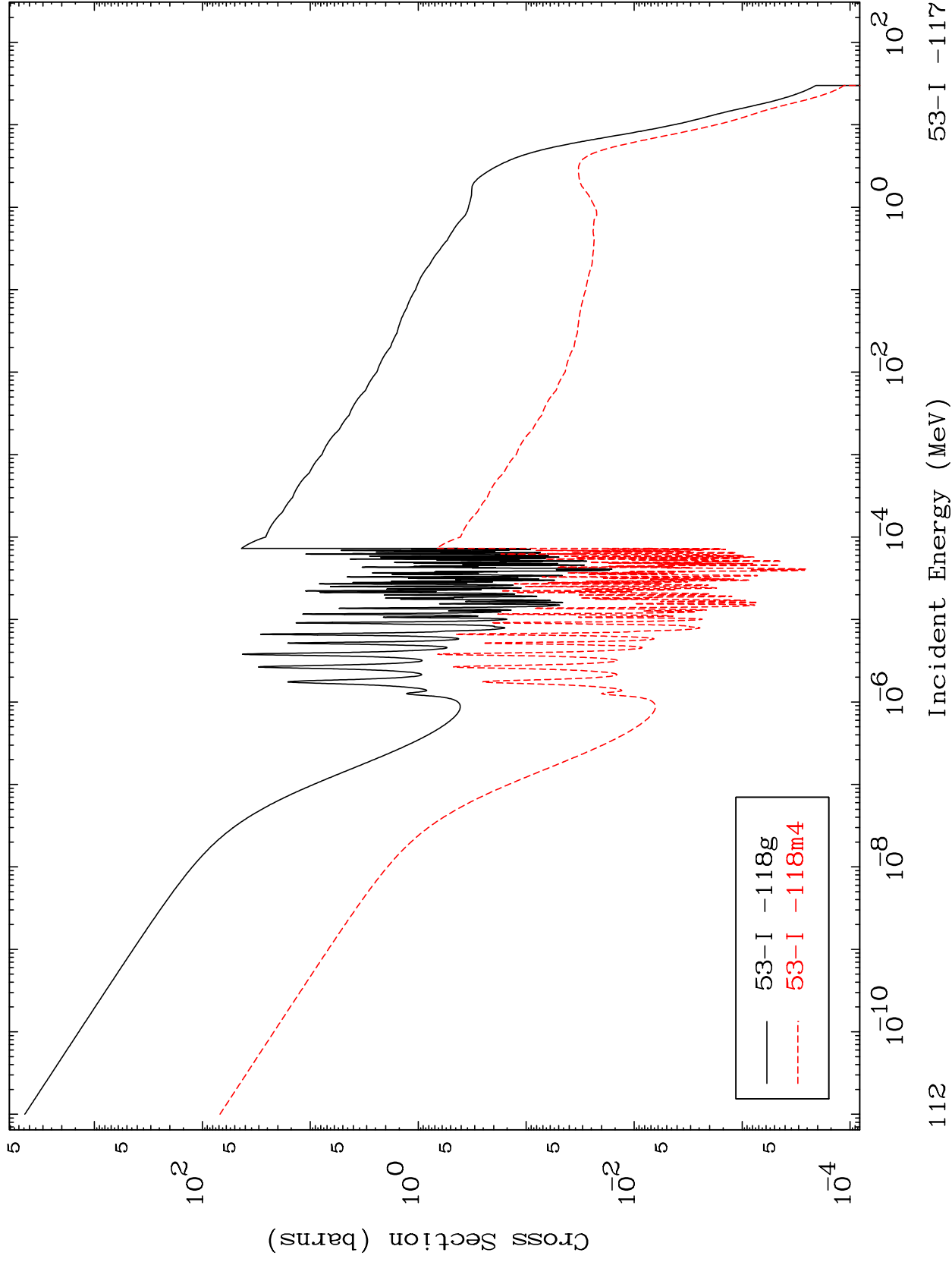




MAT 5295

53-I -117

$(n,\gamma)$   
Radionuclide Production Cross Section



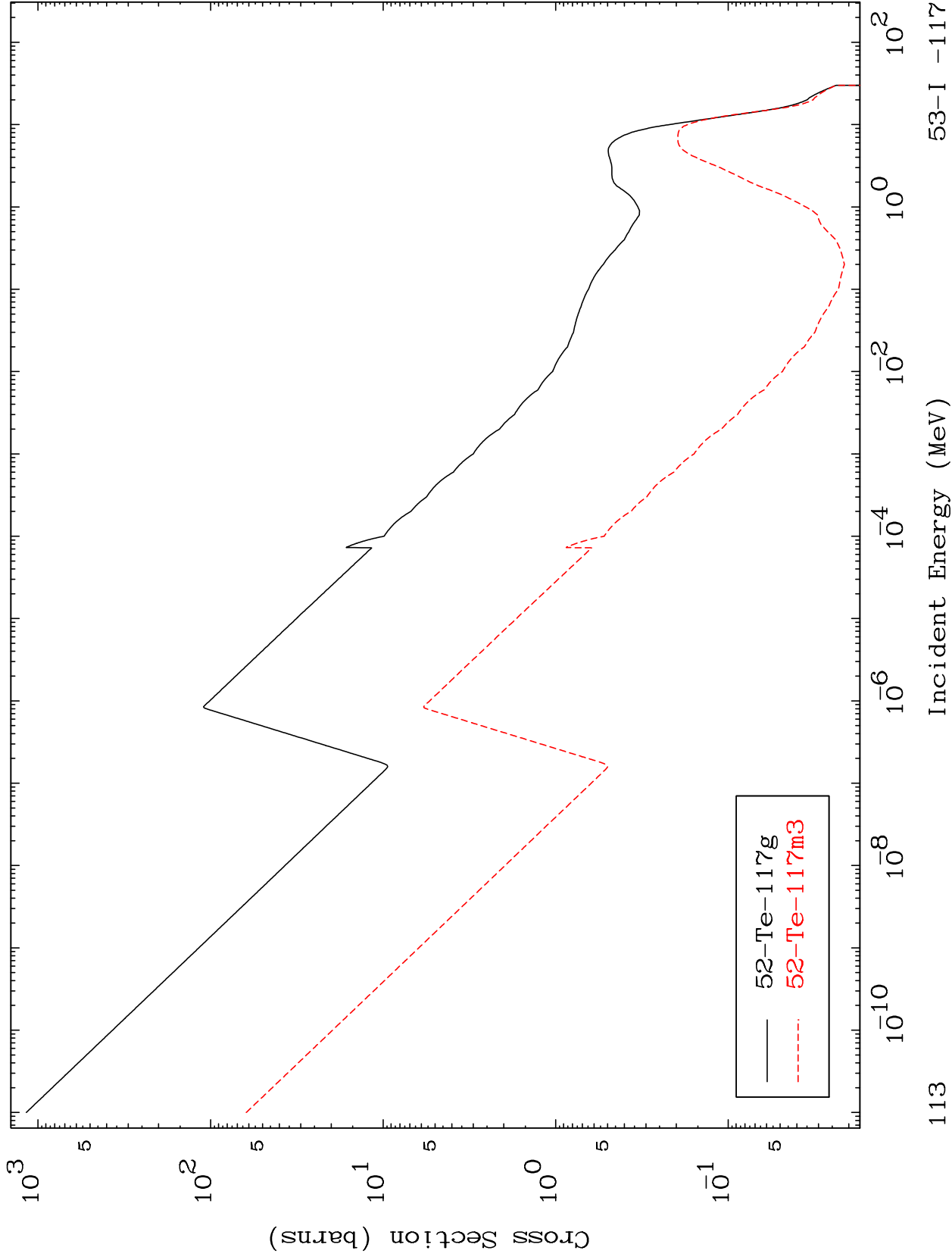
112

53-I -117

MAT 5295

53-I -117

Radionuclide Production Cross Section



53-I -117

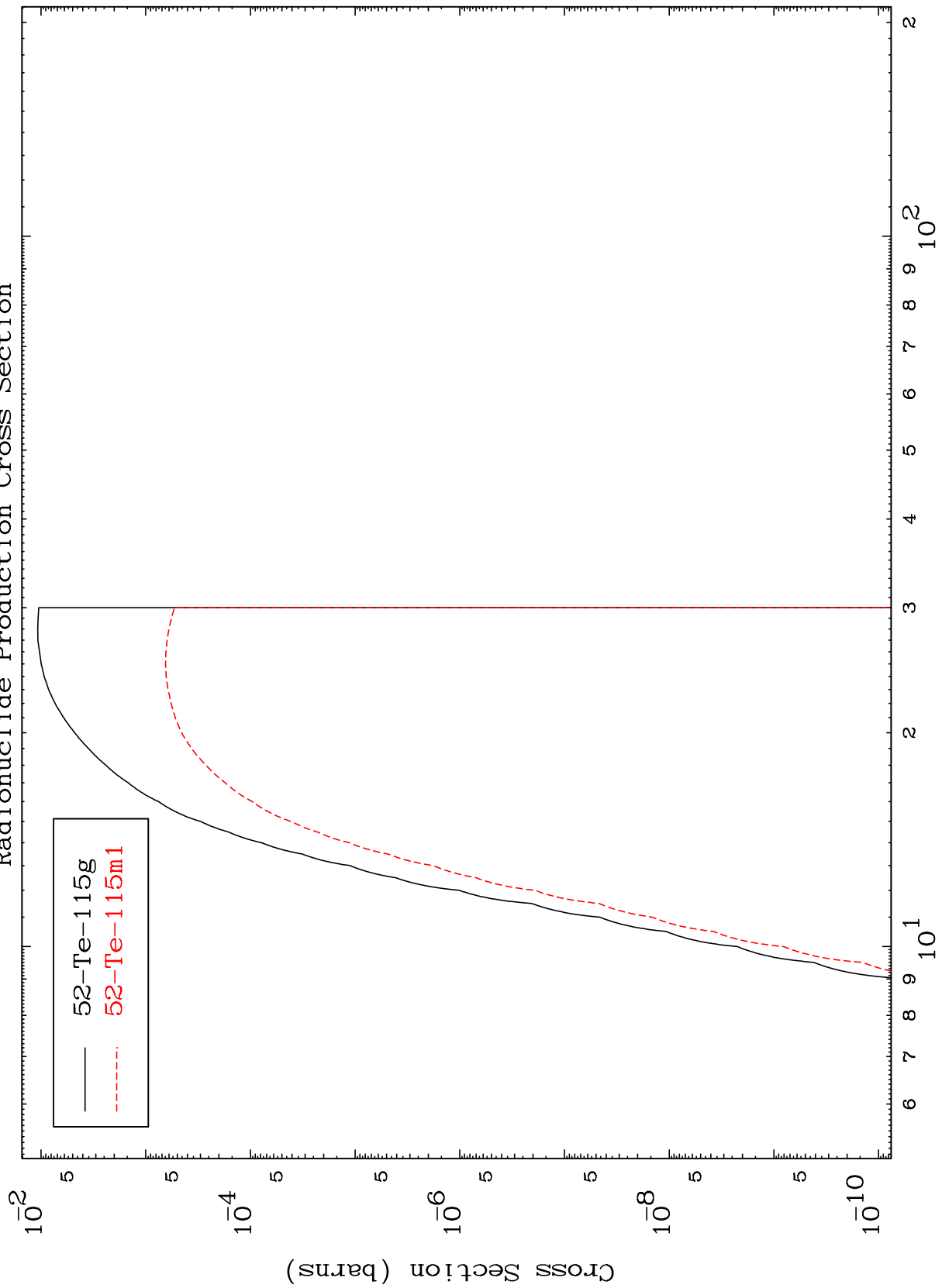
Incident Energy (MeV)

113

MAT 5295

53-I -117

Radionuclide Production Cross Section (n,t)



114

Incident Energy (MeV)

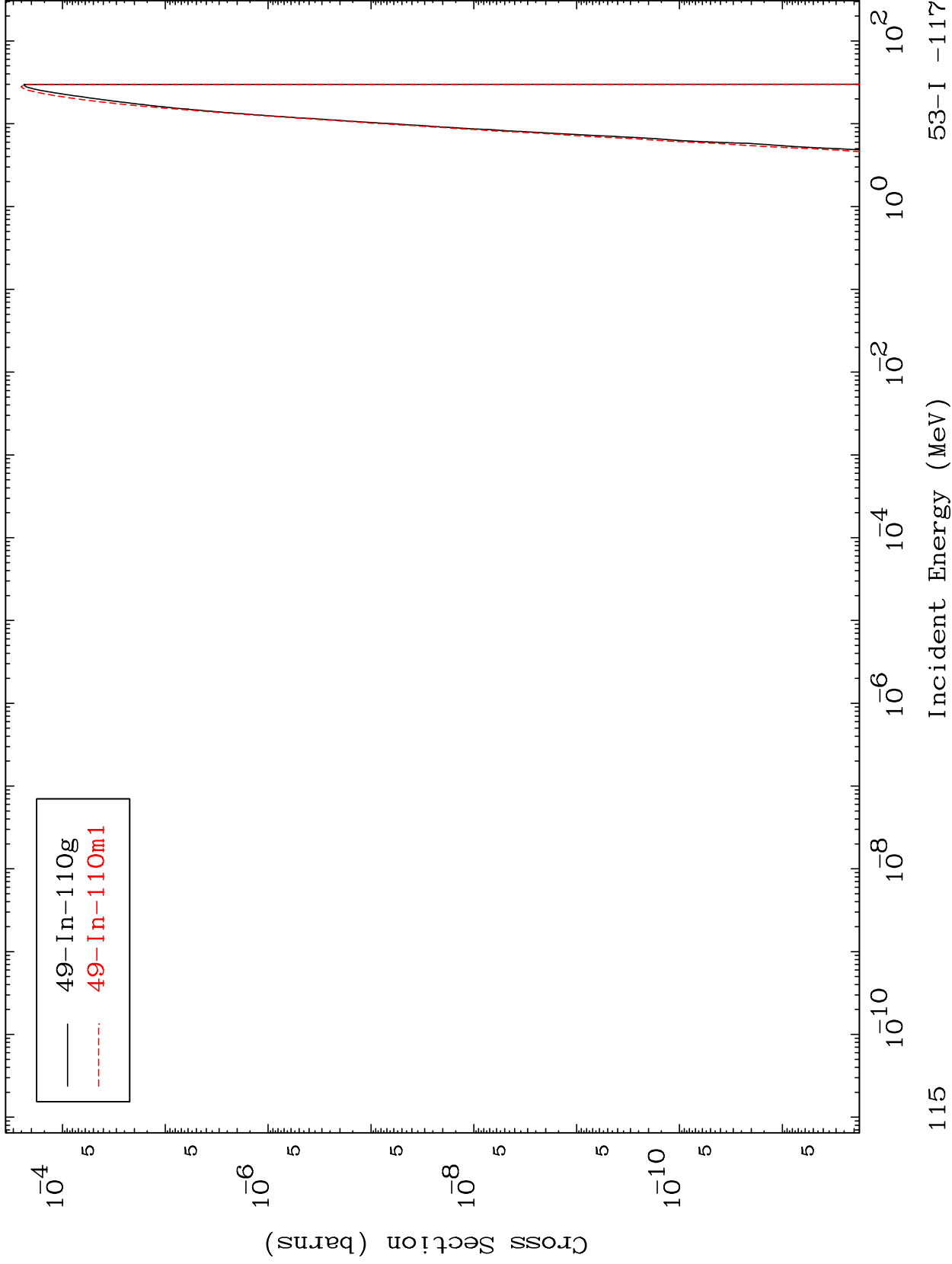
53-I -117

MAT 5295

(n,2α)

53-I -117

Radionuclide Production Cross Section



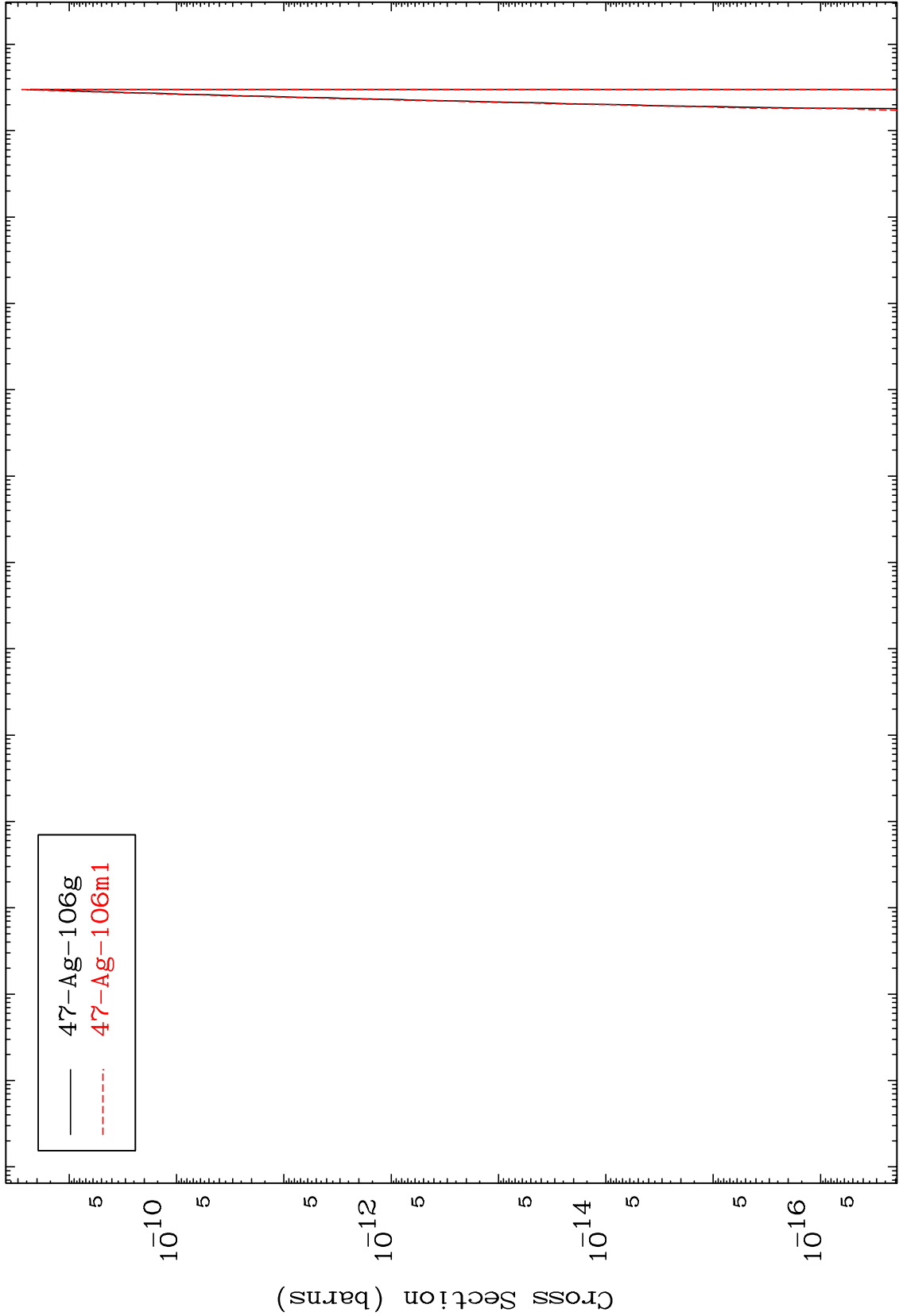
— 49-In-110g  
- - - 49-In-110m1

MAT 5295

(n,3 $\alpha$ )

53-I -117

Radionuclide Production Cross Section



10<sup>-10</sup> 10<sup>-8</sup> 10<sup>-6</sup> 10<sup>-4</sup> 10<sup>-2</sup> 10<sup>0</sup> 10<sup>2</sup>

116

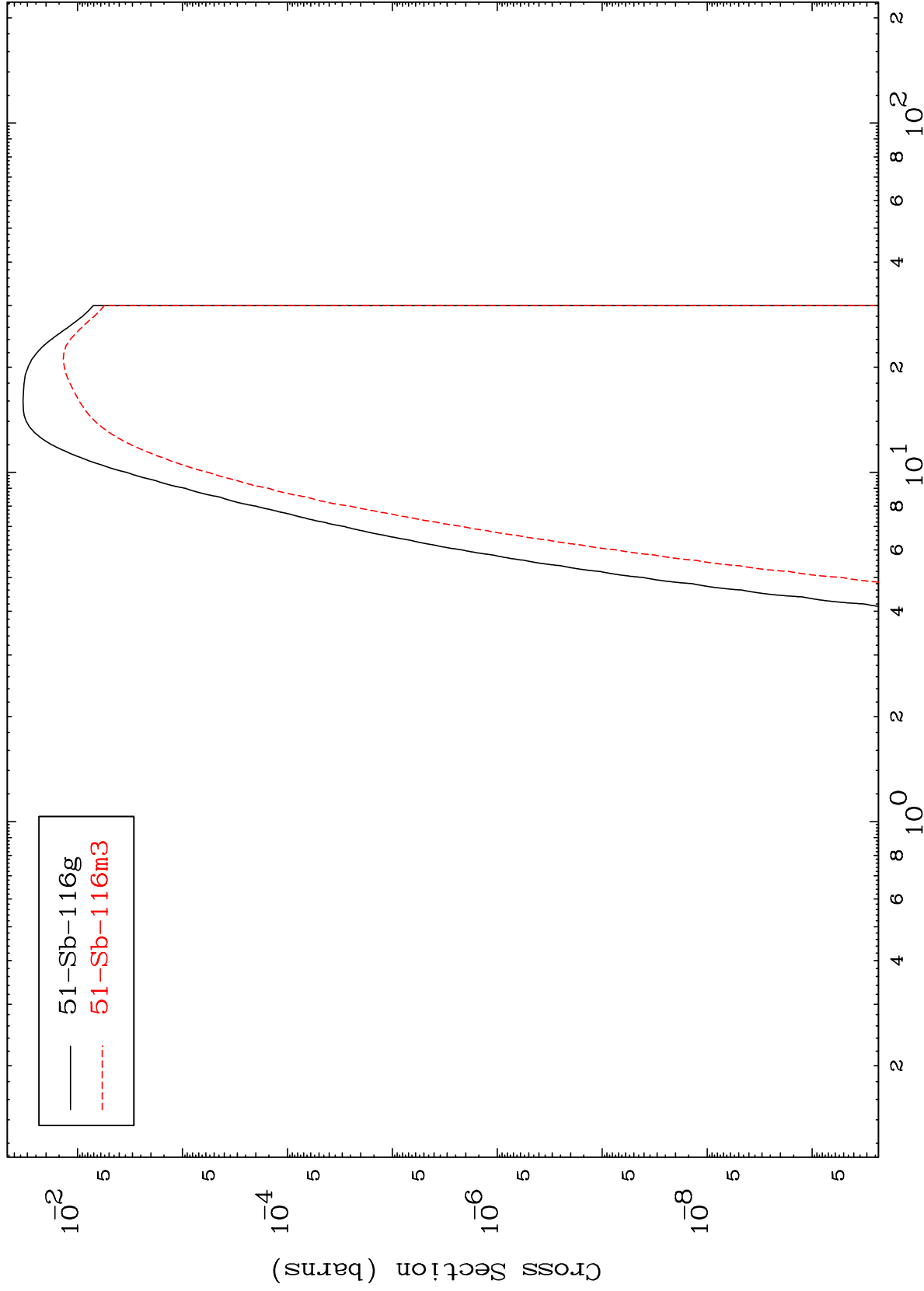
Incident Energy (MeV)

53-I -117

MAT 5295

53-I -117

Radionuclide Production Cross Section



117

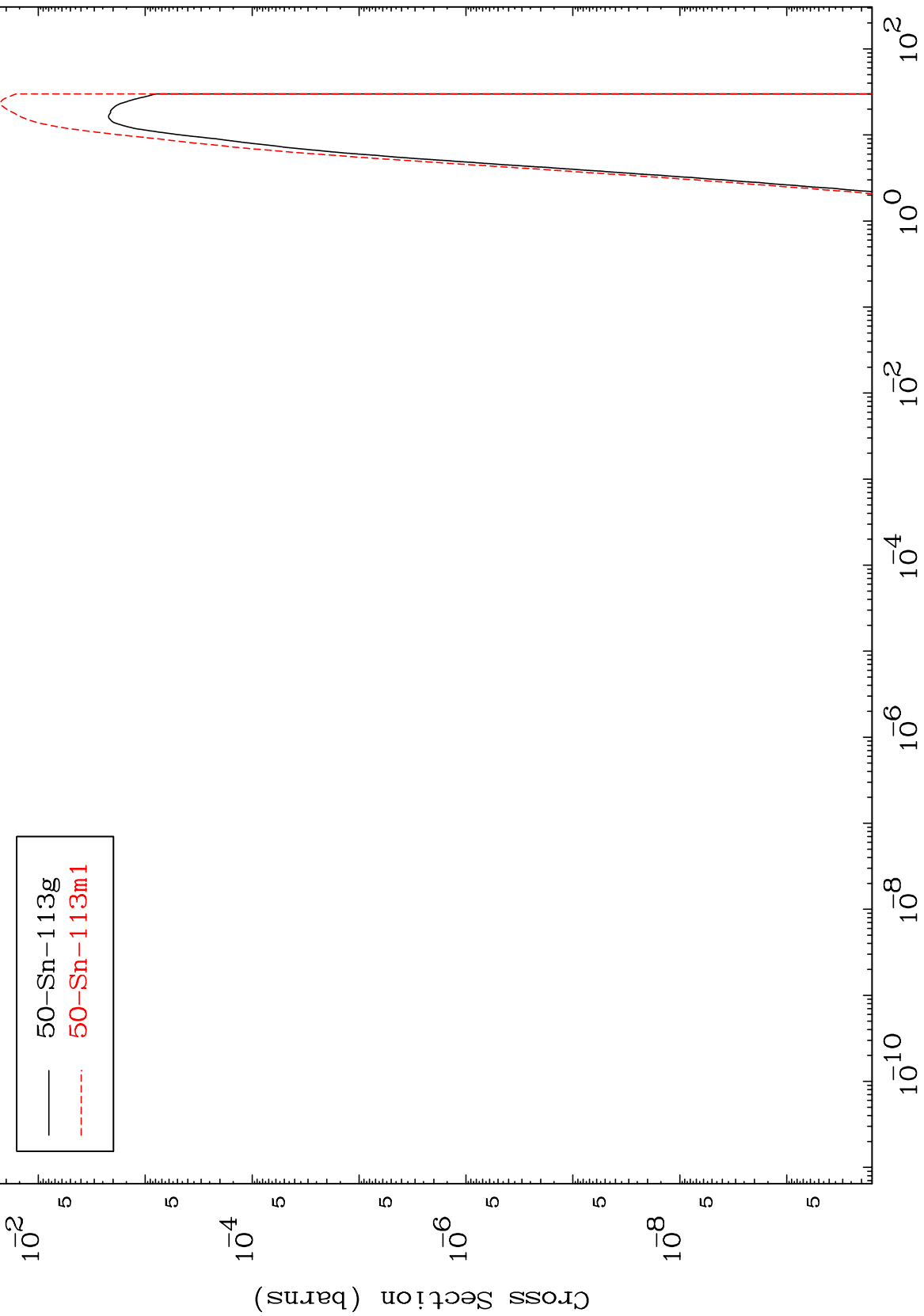
53-I -117

MAT 5295

(n,p)  $\alpha$

53-I -117

Radionuclide Production Cross Section



118

Incident Energy (MeV)

53-I -117