

Program EVALPLOT  
(Version 2018-1)

by

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(Present Contact Information)

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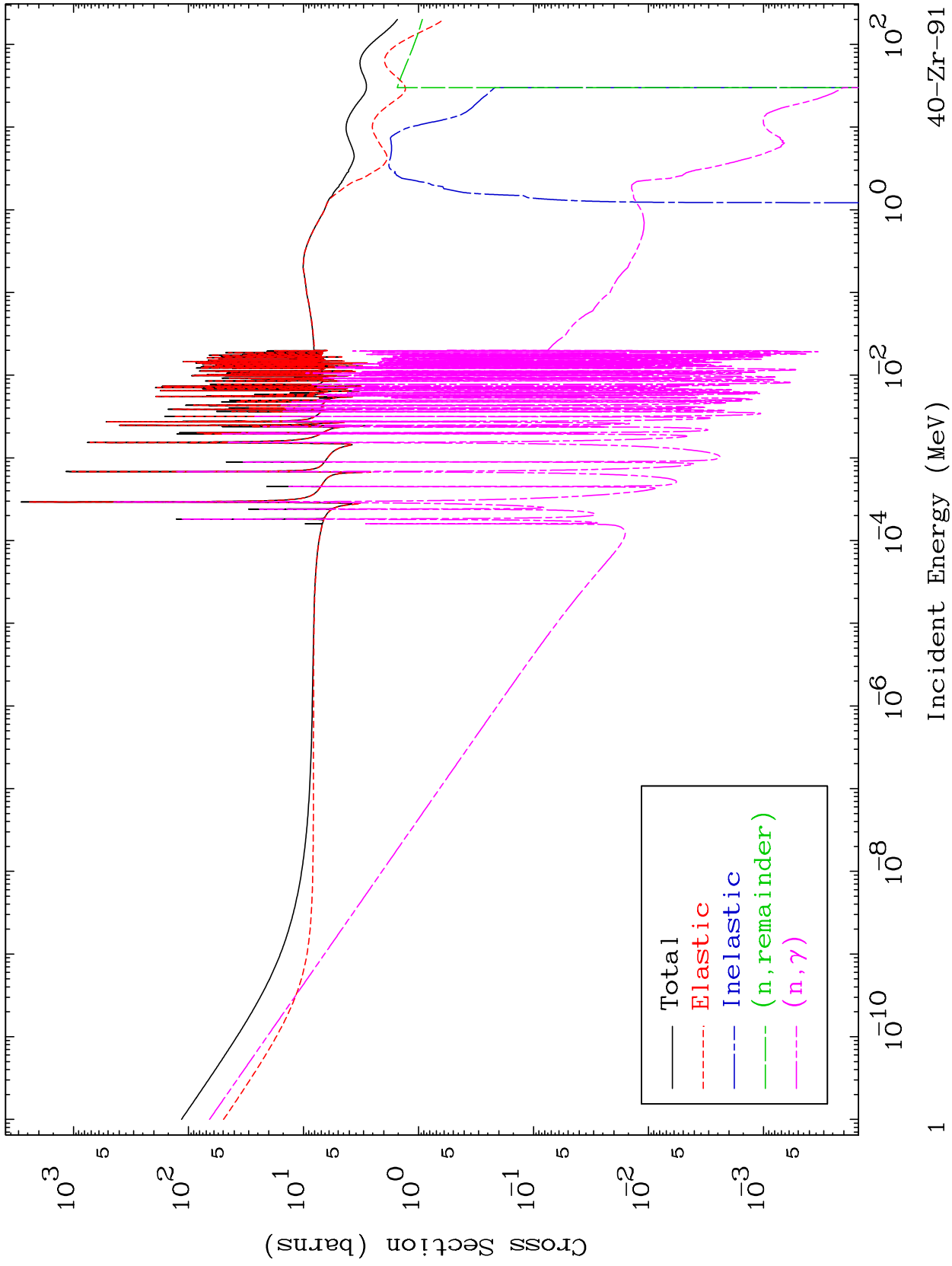
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4028

Major  
293 Kelvin Cross Sections

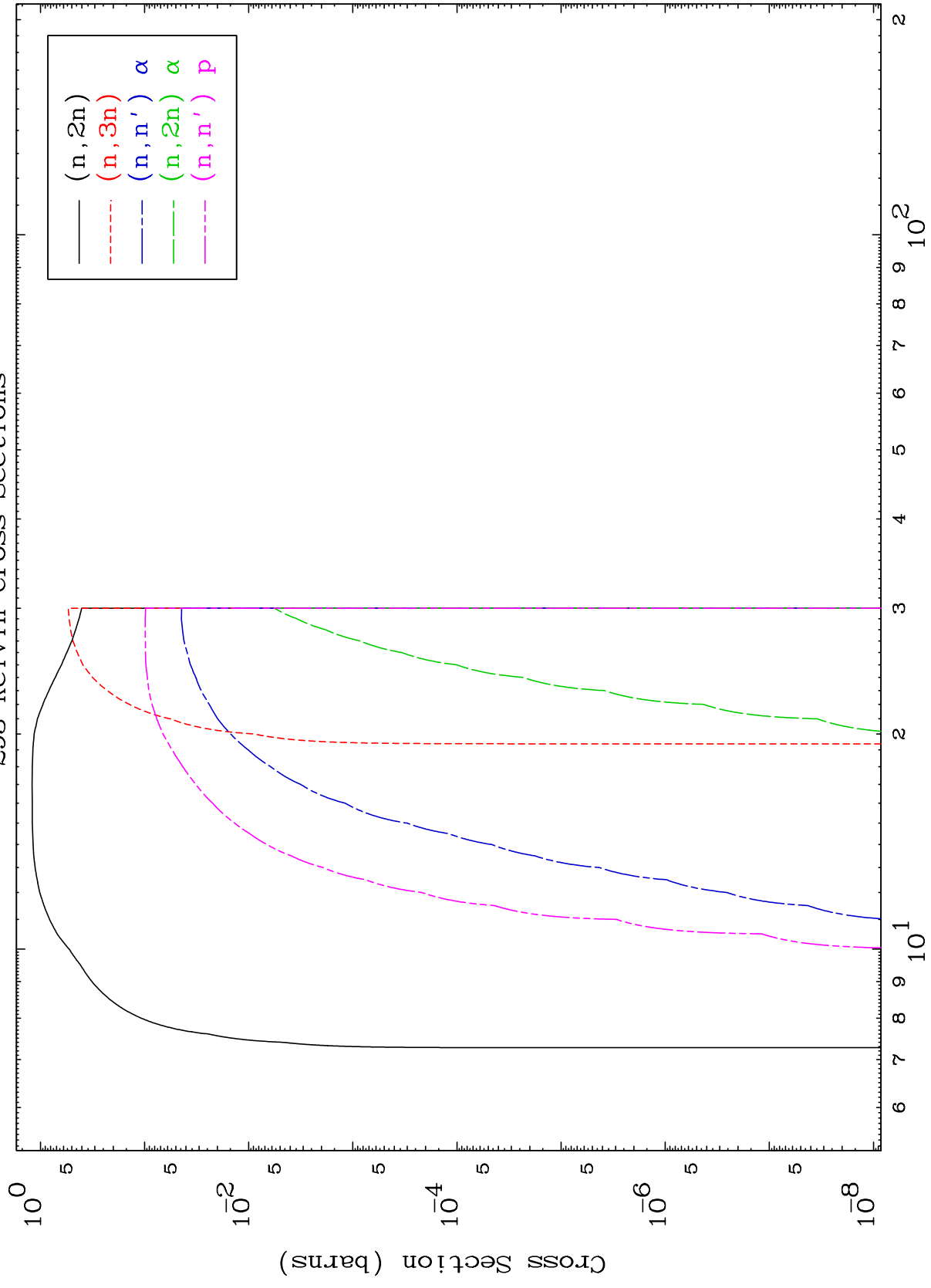
40-Zr-91



MAT 4028

Neutron Production  
293 Kelvin Cross Sections

40-Zr-91



2

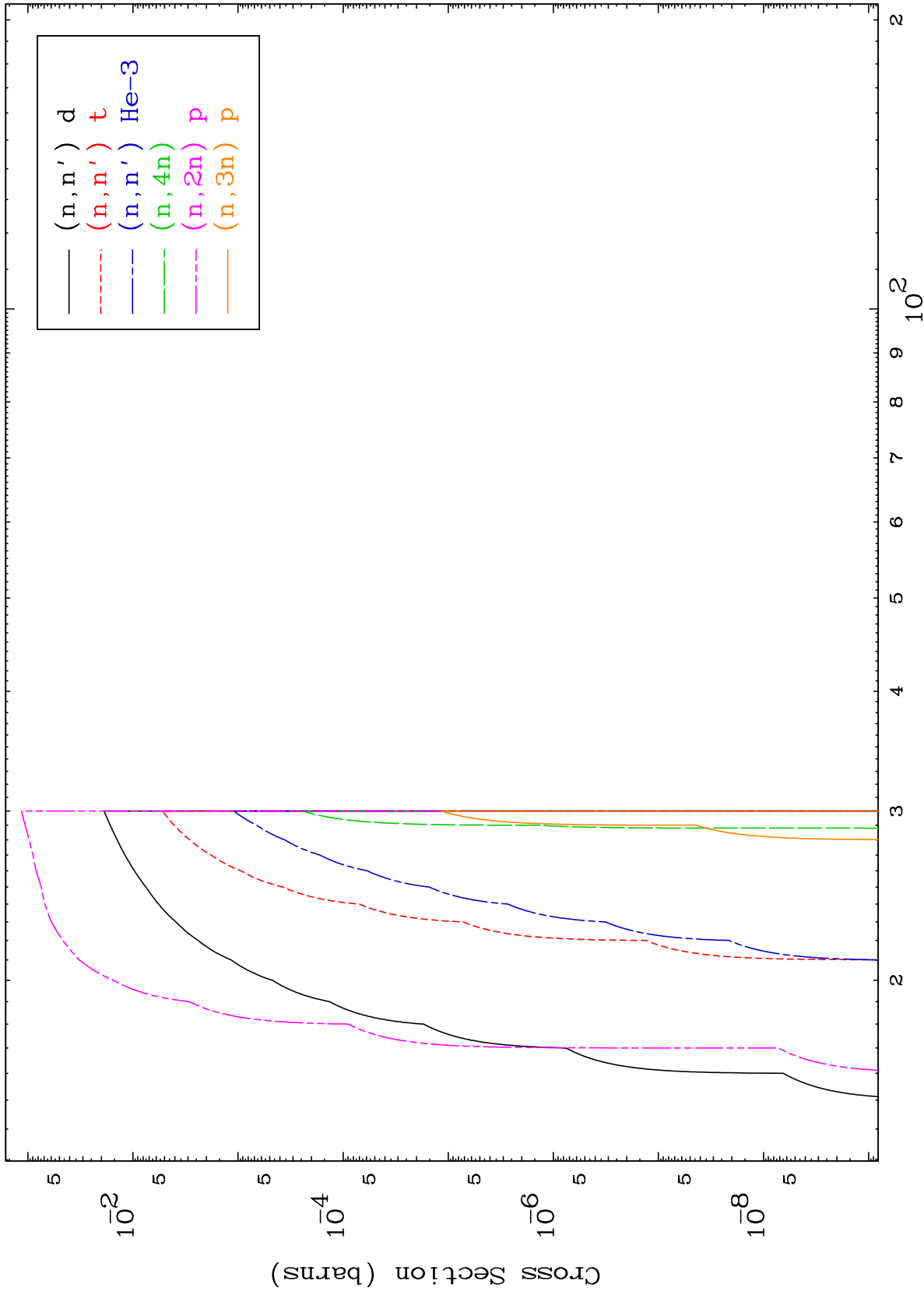
Incident Energy (MeV)

40-Zr-91

MAT 4028

Neutron Production  
293 Kelvin Cross Sections

40-Zr-91



3

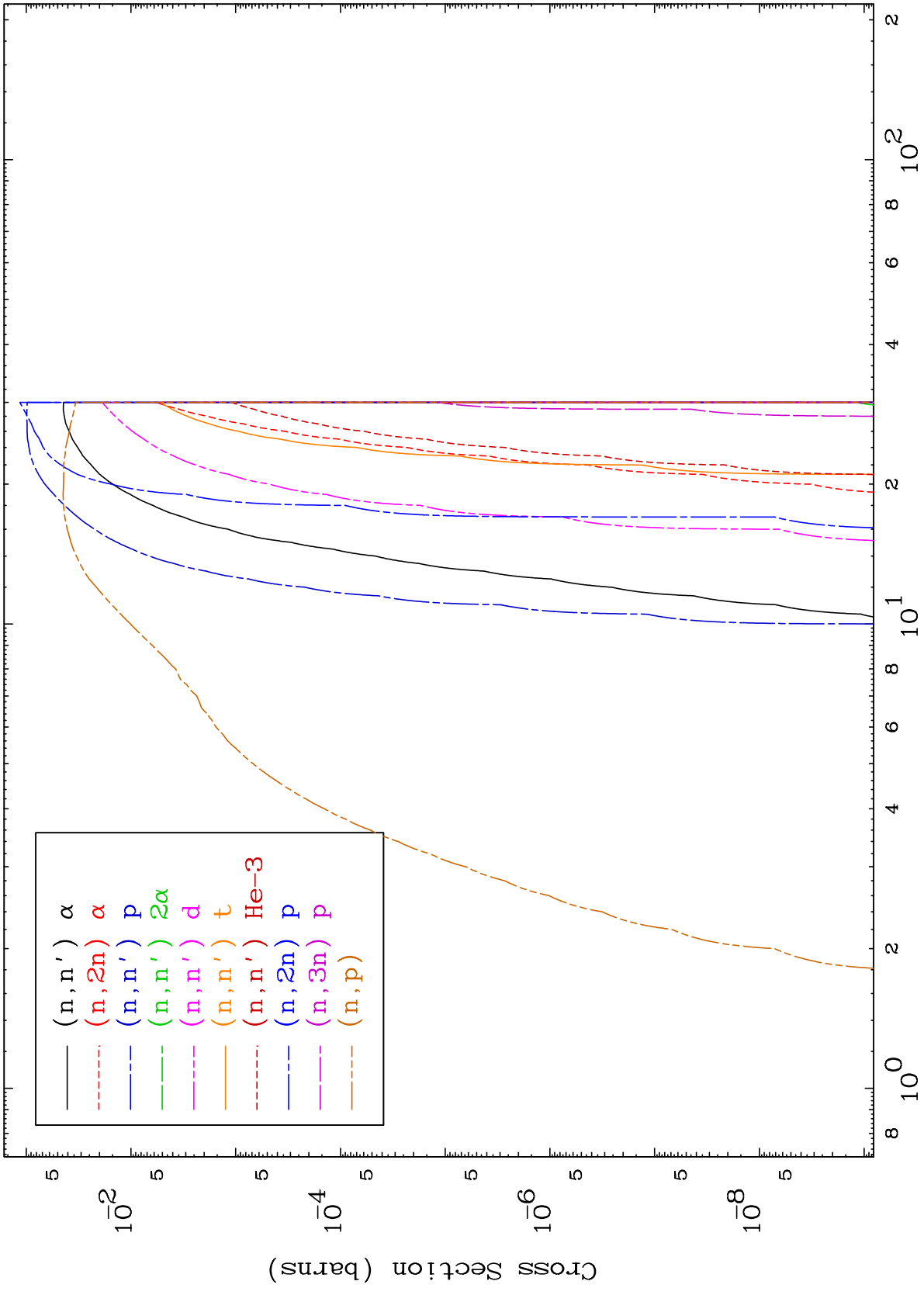
Incident Energy (MeV)

40-Zr-91

MAT 4028

293 Kelvin Cross Sections

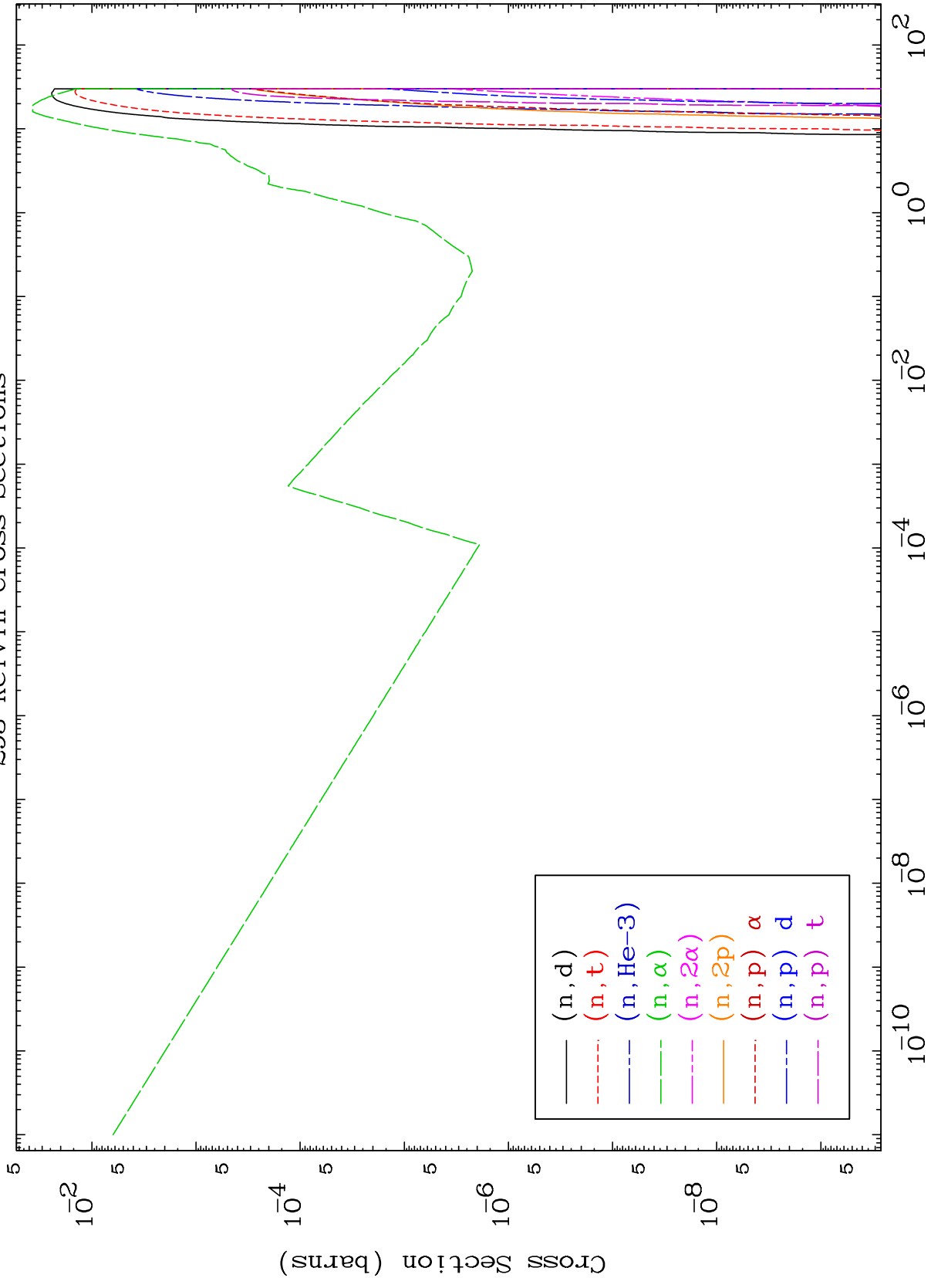
40-Zr-91



MAT 4028

293 Kelvin Cross Sections

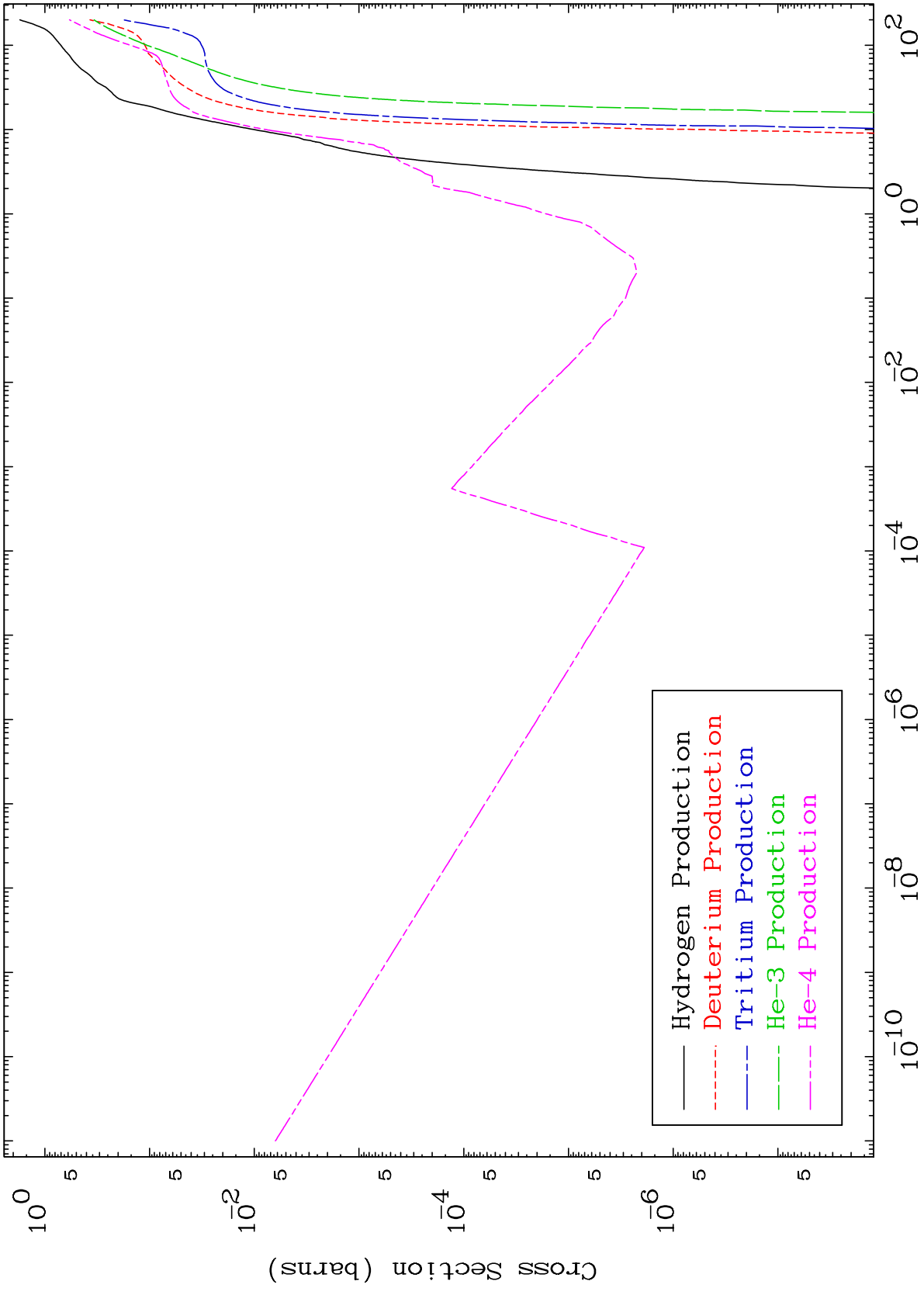
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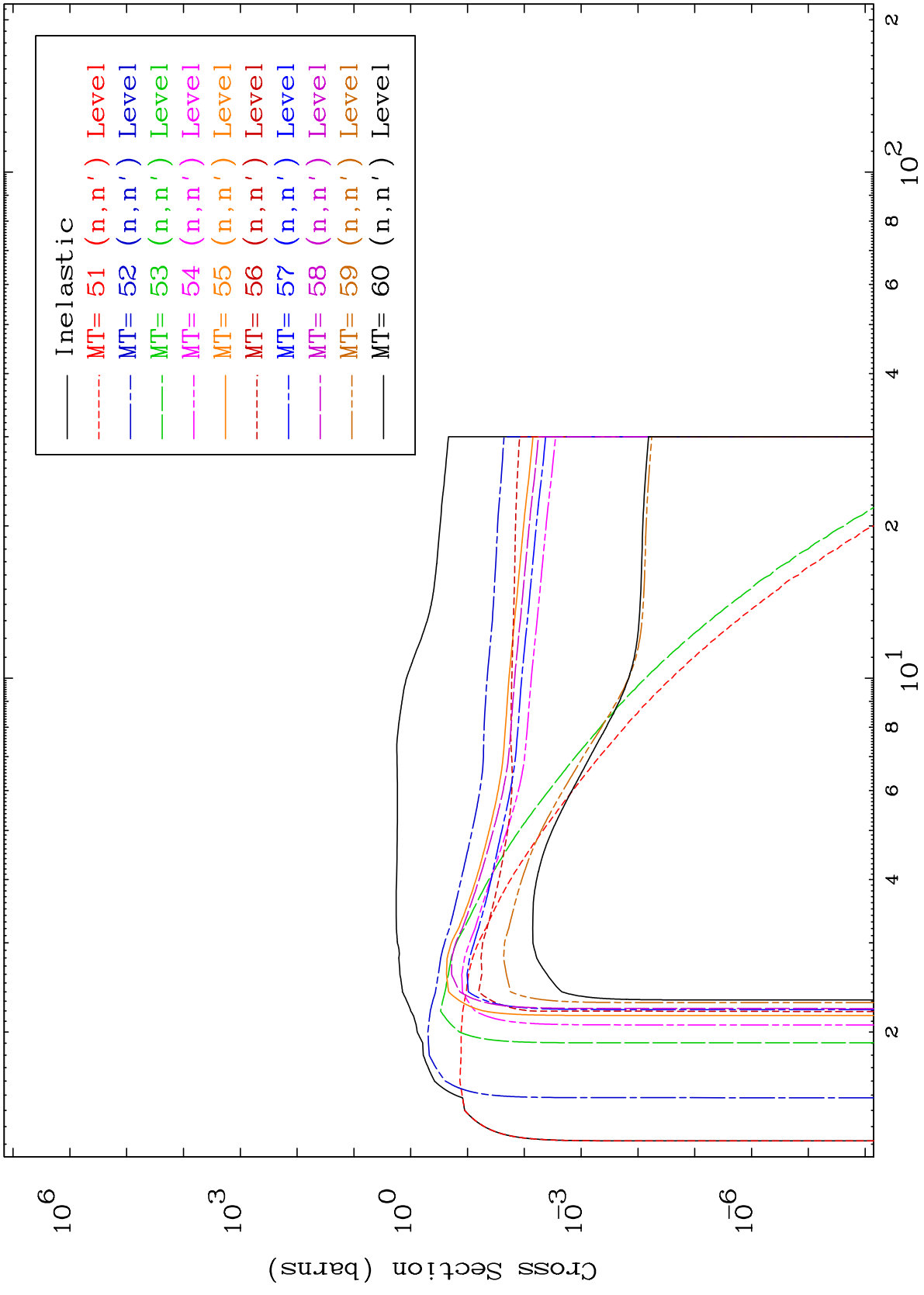
MAT 4028

Particle Production  
293 Kelvin Cross Sections

40-Zr-91



293 Kelvin Cross Sections



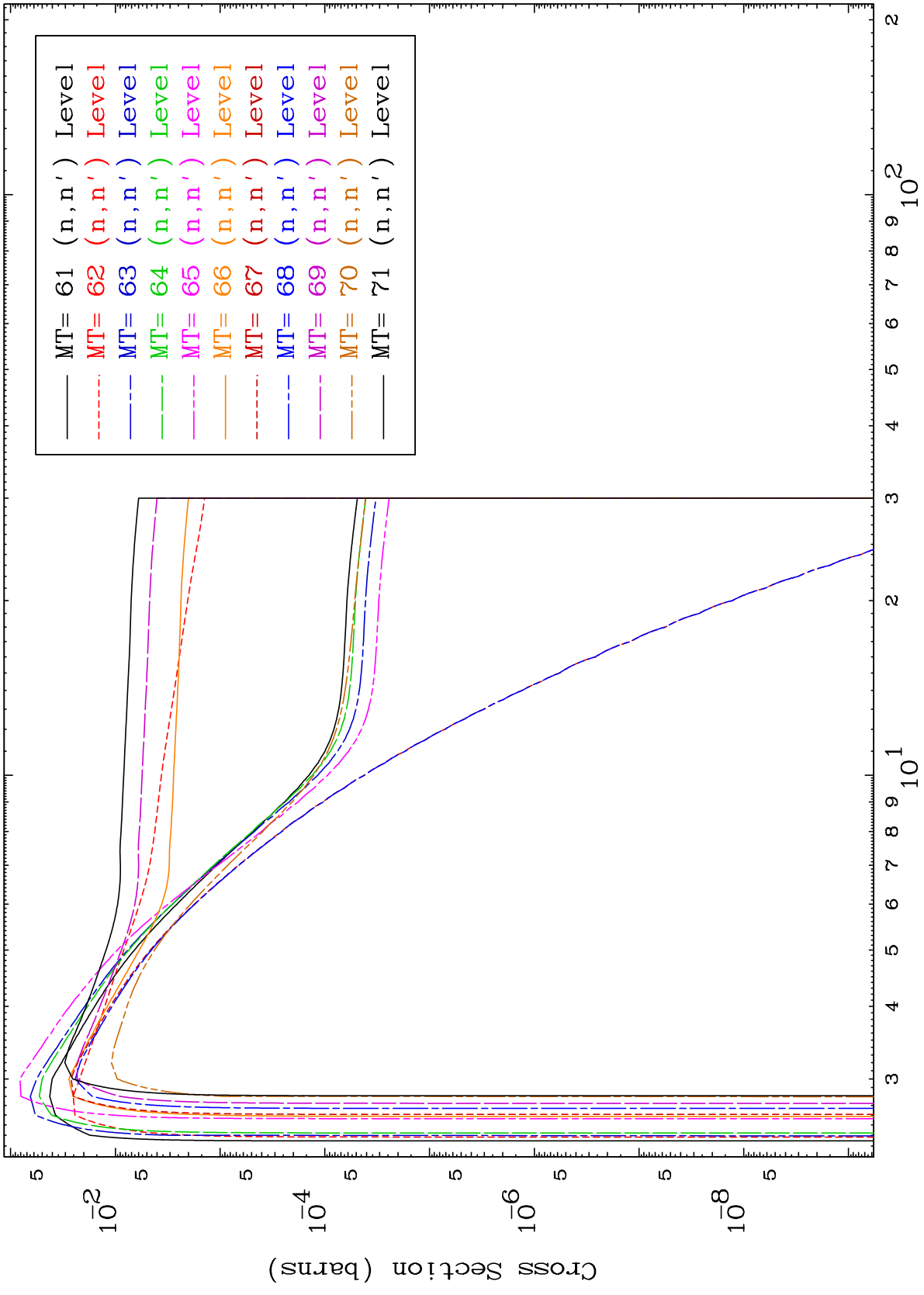


MAT 4028

(n,n') Level

293 Kelvin Cross Sections

40-Zr-91



8

Incident Energy (MeV)

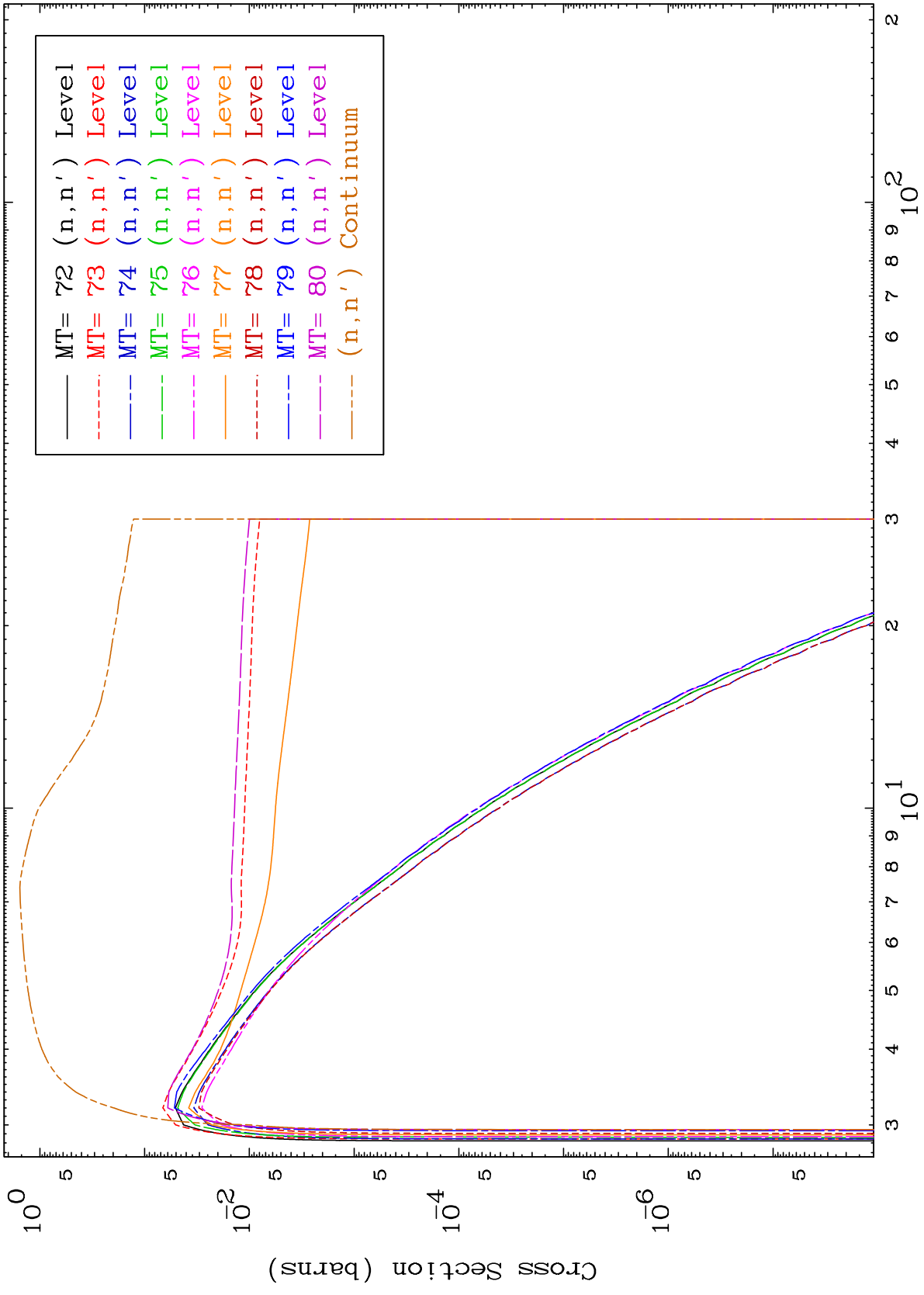
40-Zr-91

MAT 4028

(n,n') Level

40-Zr-91

293 Kelvin Cross Sections



9

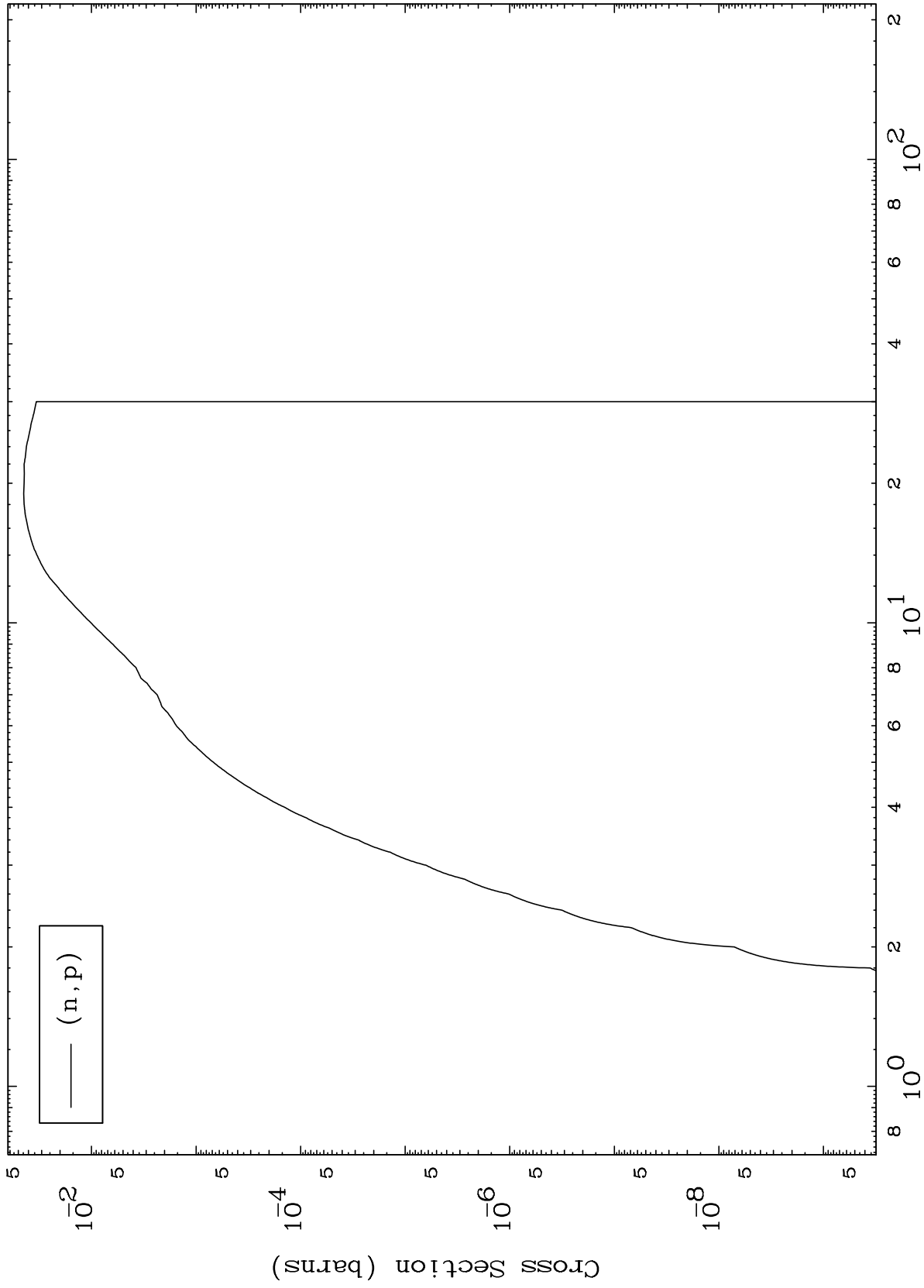
Incident Energy (MeV)

40-Zr-91

MAT 4028

(n,p) Levels  
293 Kelvin Cross Sections

40-Zr-91



10

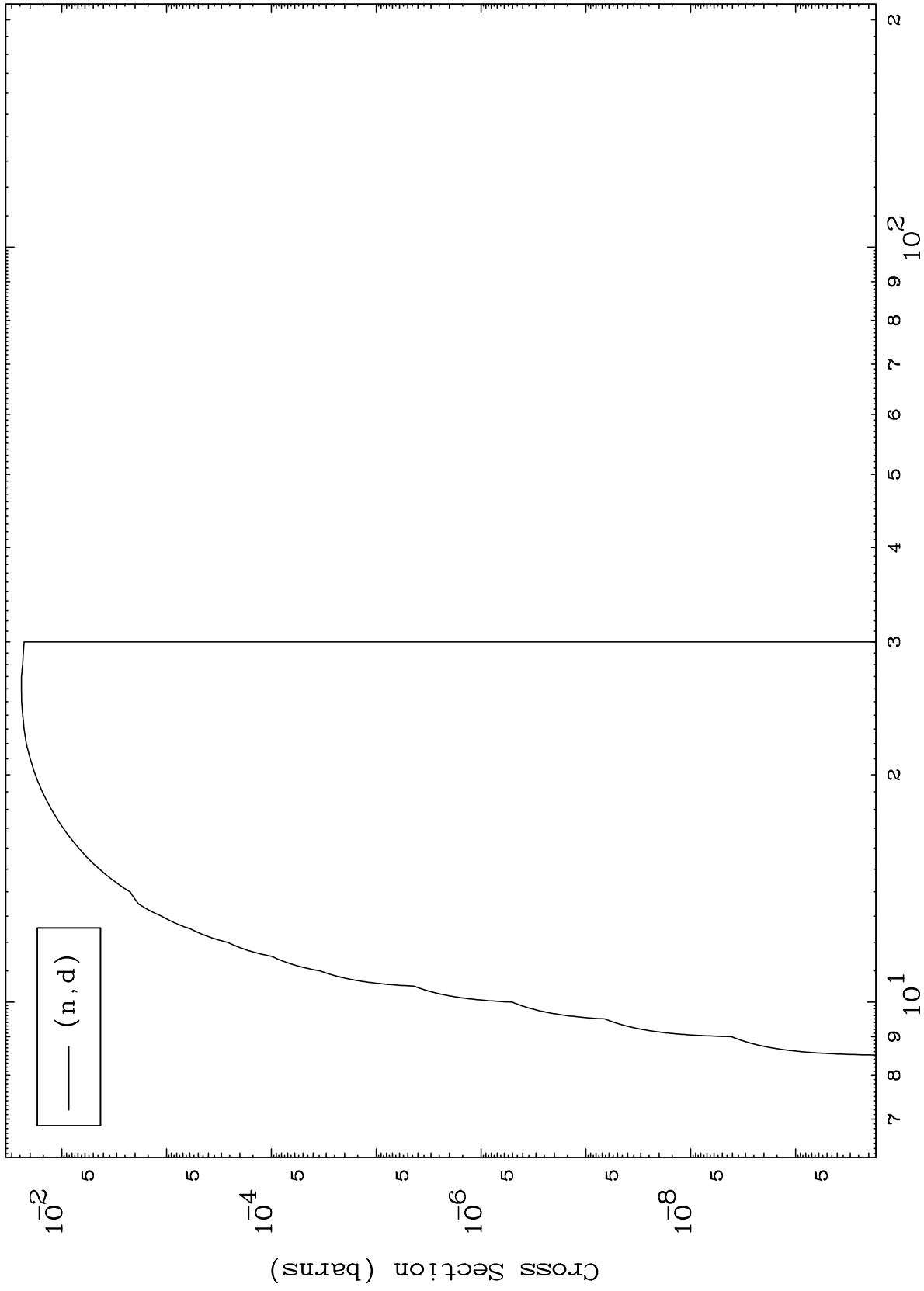
Incident Energy (MeV)

40-Zr-91

MAT 4028

(n,d) Levels  
293 Kelvin Cross Sections

40-Zr-91



11

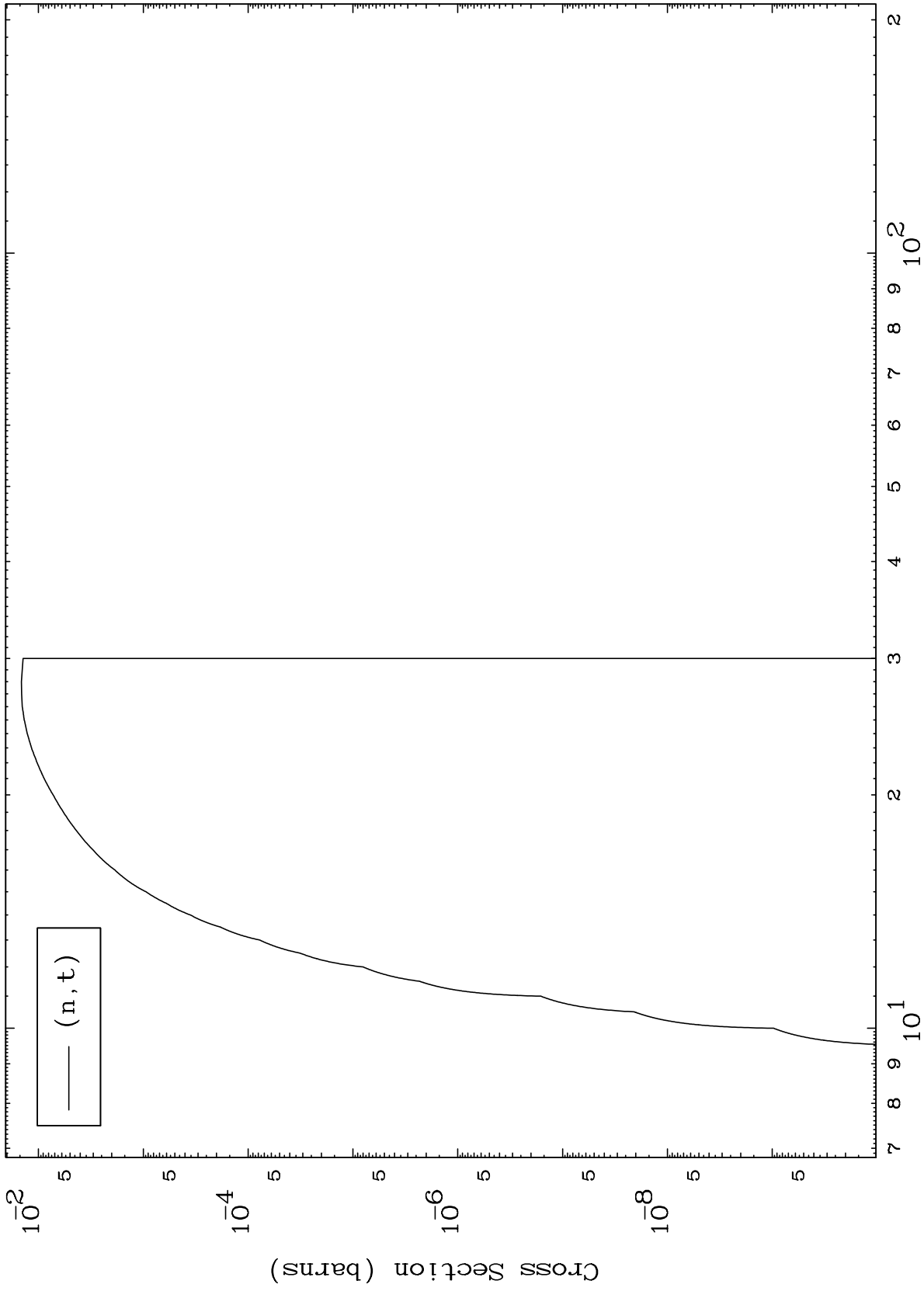
Incident Energy (MeV)

40-Zr-91

MAT 4028

(n,t) Levels  
293 Kelvin Cross Sections

40-Zr-91



12

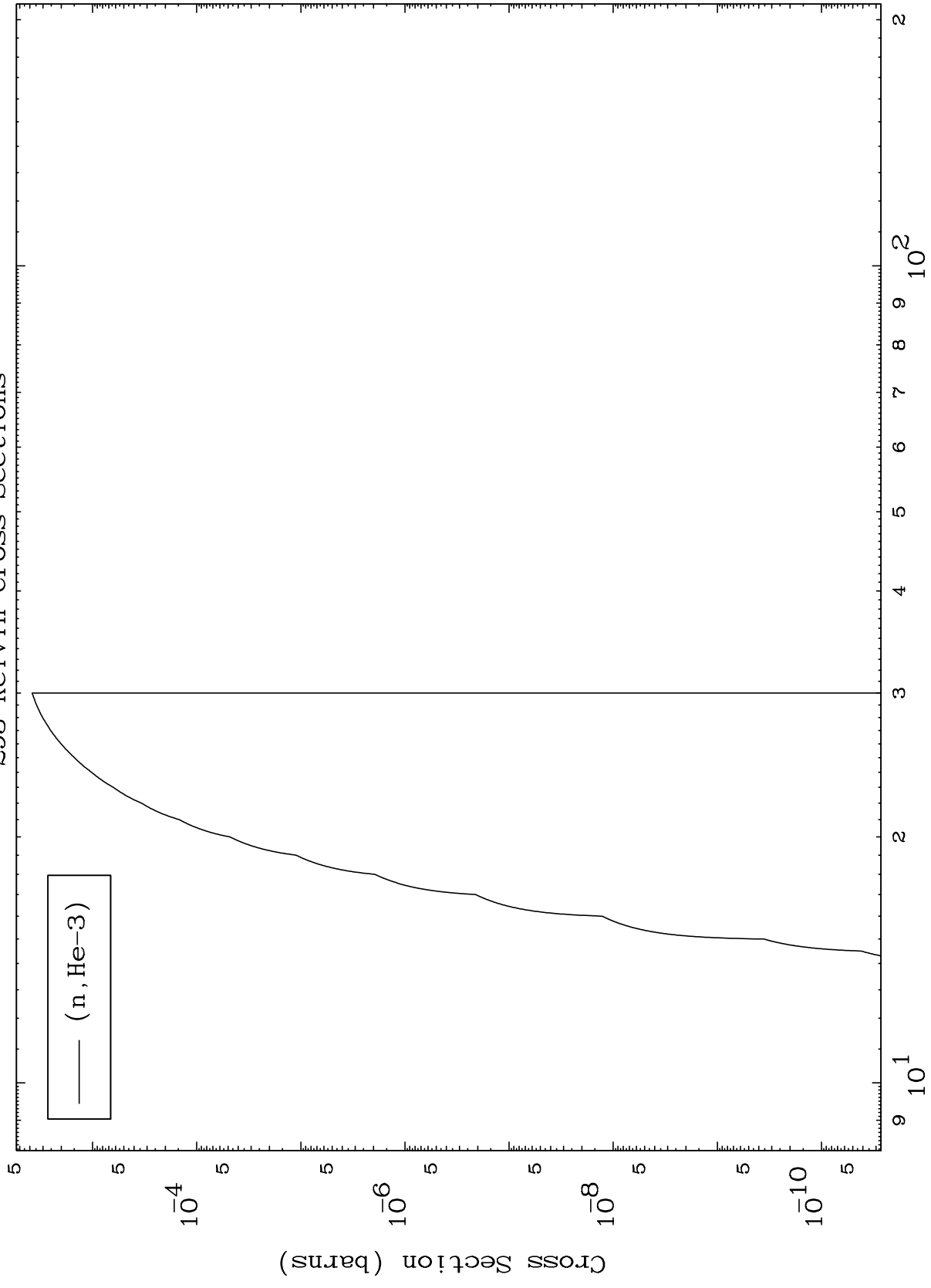
Incident Energy (MeV)

40-Zr-91

MAT 4028

(n,He3) Levels  
293 Kelvin Cross Sections

40-Zr-91



13

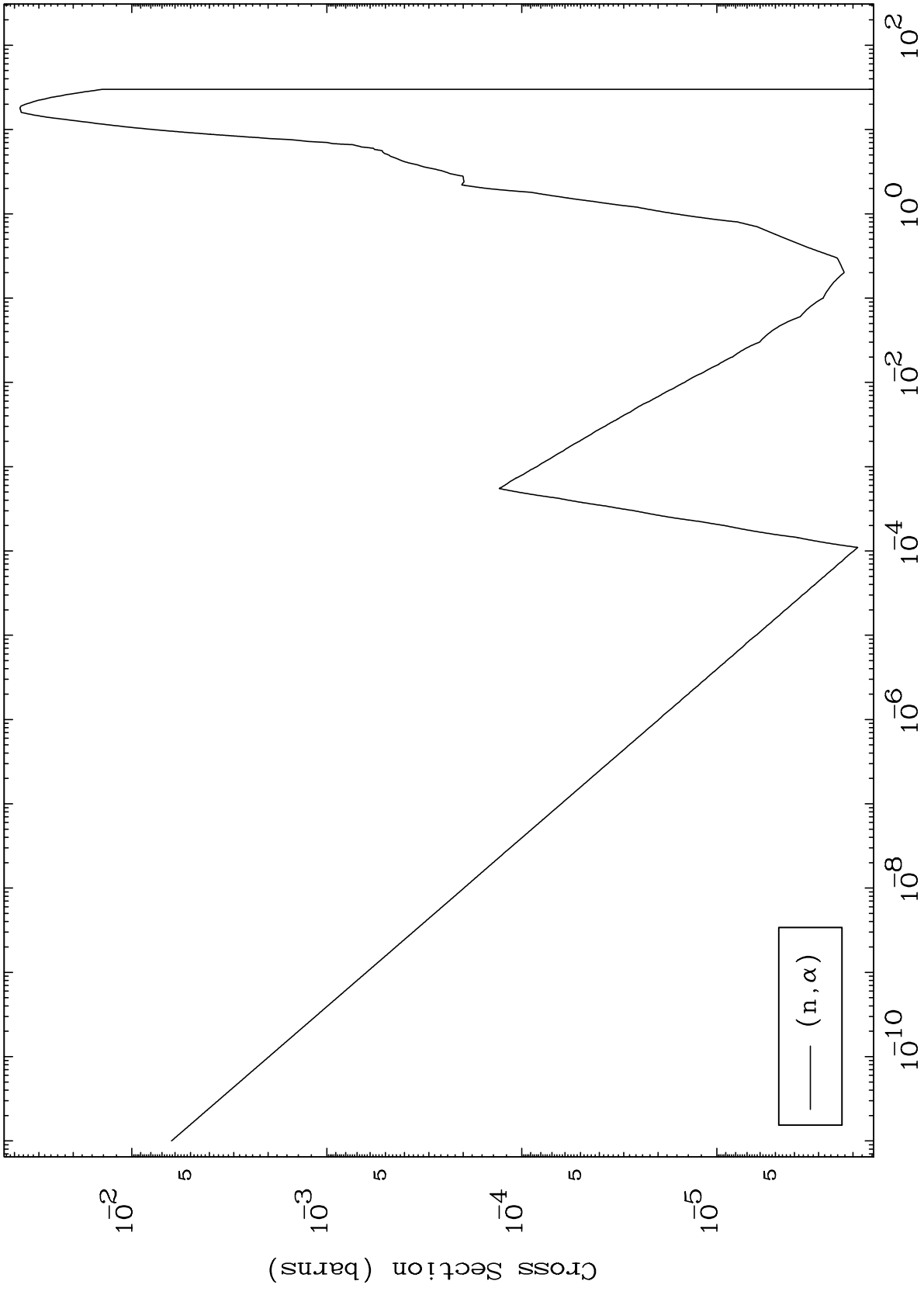
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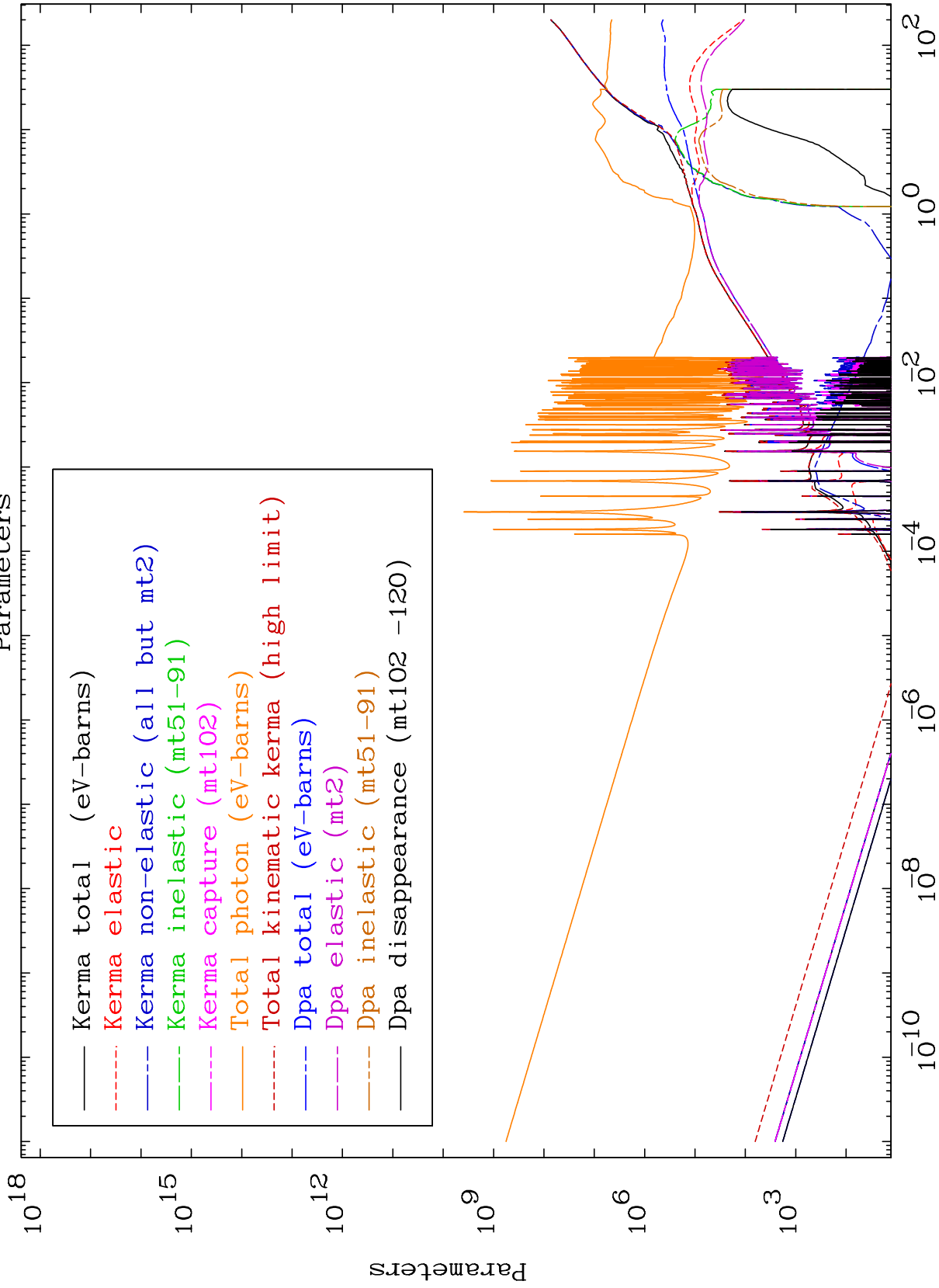
40-Zr-91

MAT 4028

293 Kelvin Cross Sections  
(n,α) Levels

40-Zr-91



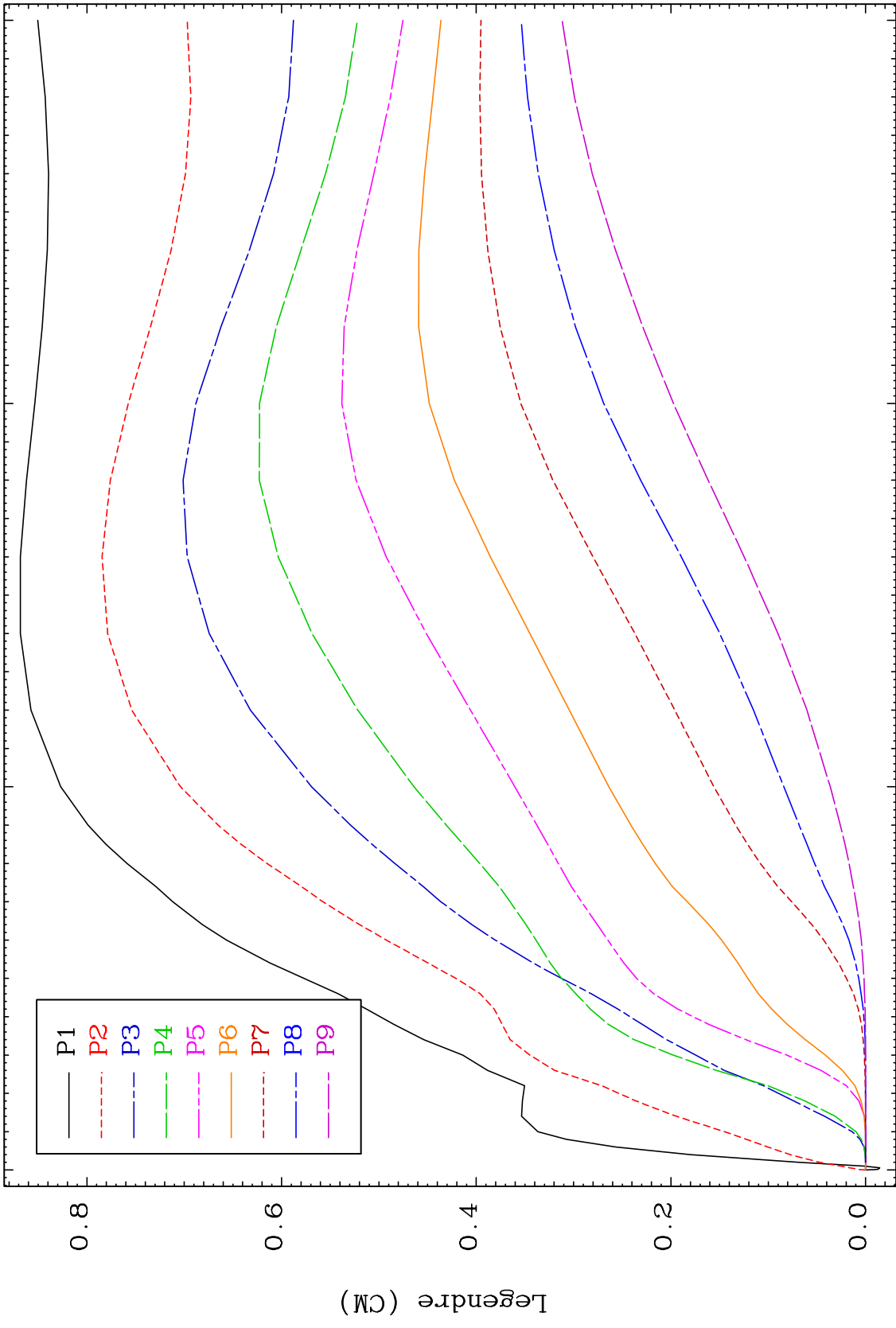




MAT 4028

Elastic Legendre Coefficients

40-Zr-91



16

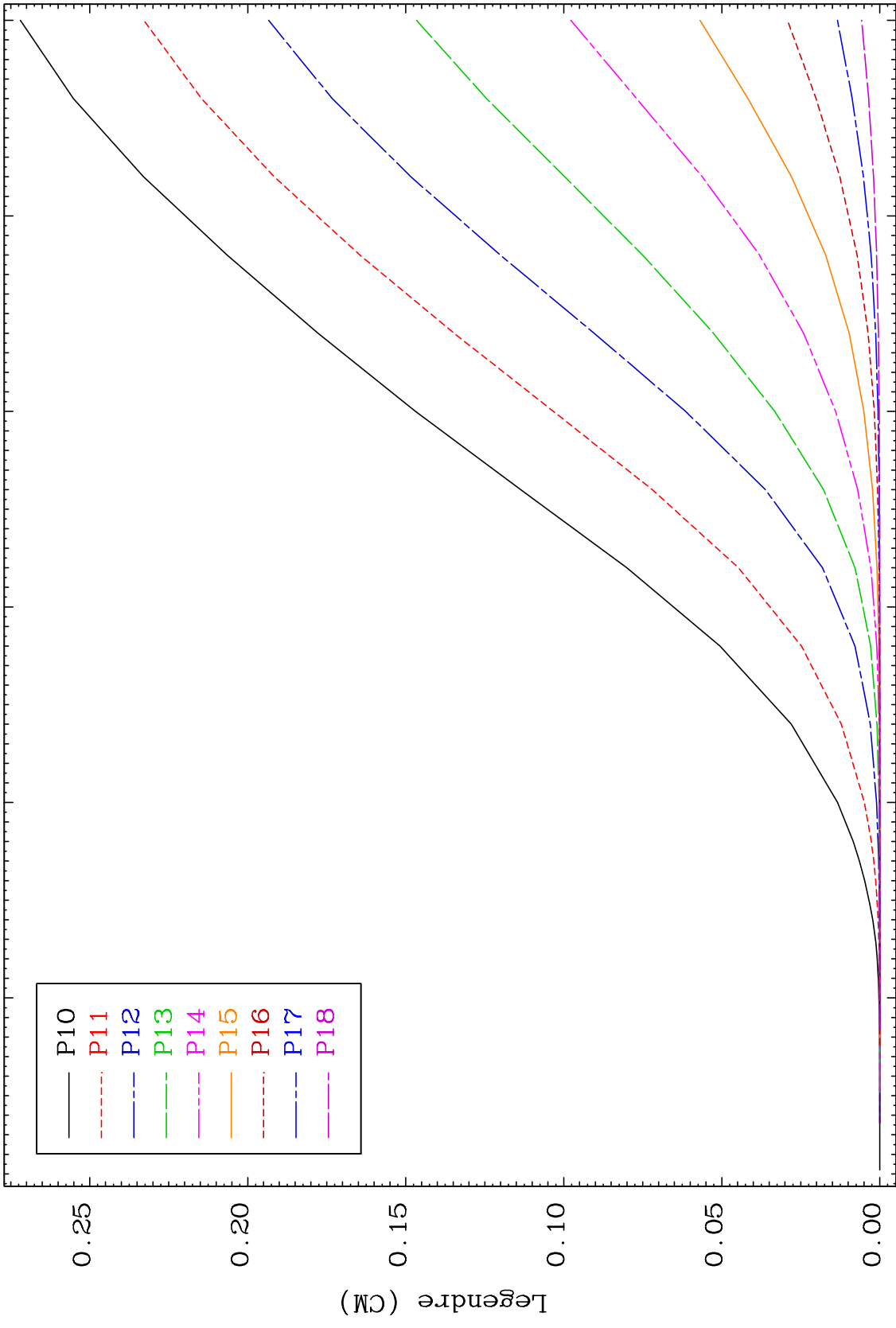
Incident Energy (MeV)

40-Zr-91

MAT 4028

Elastic Legendre Coefficients

40-Zr-91



40-Zr-91

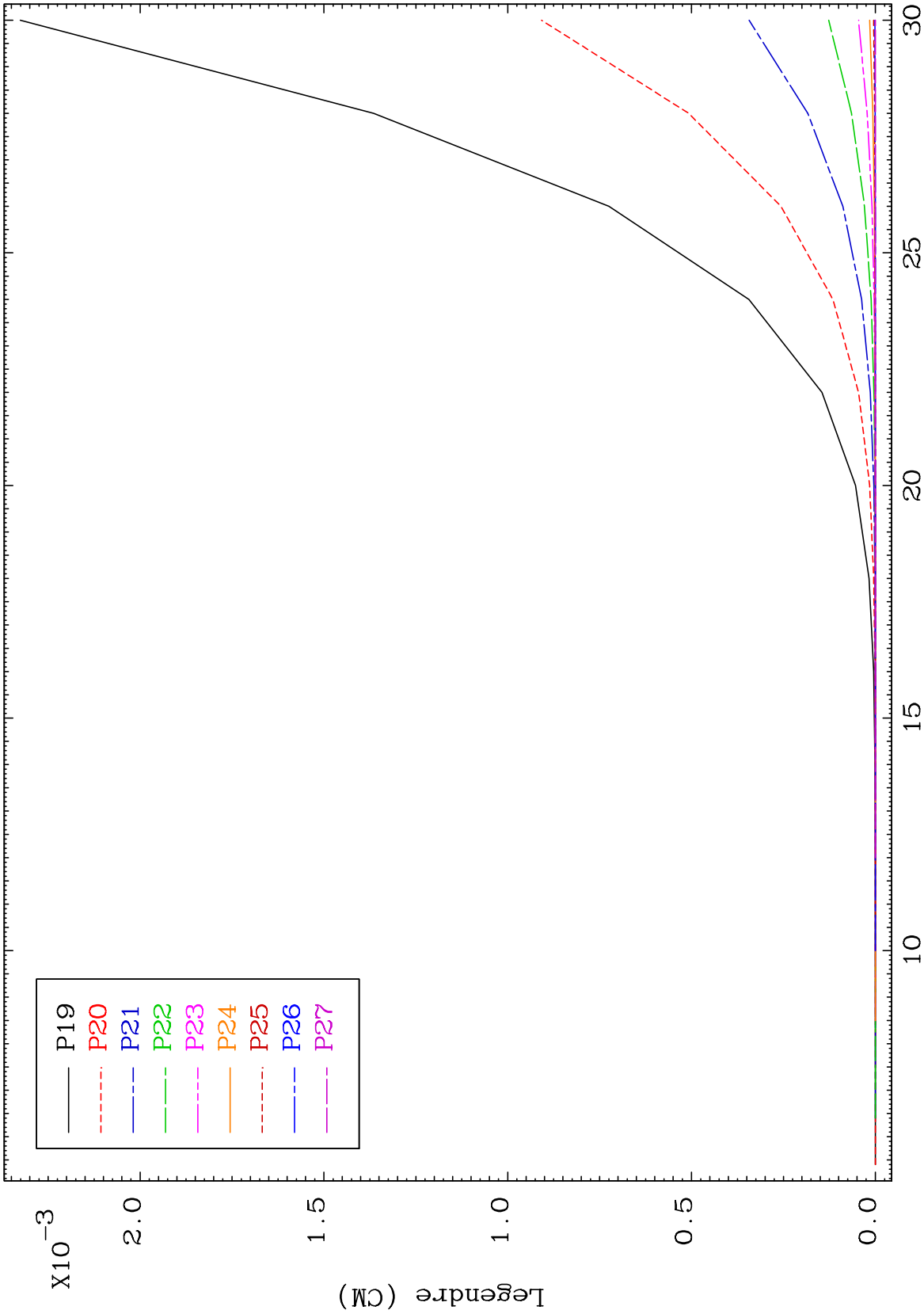
Incident Energy (MeV)

17

MAT 4028

### Elastic Legendre Coefficients

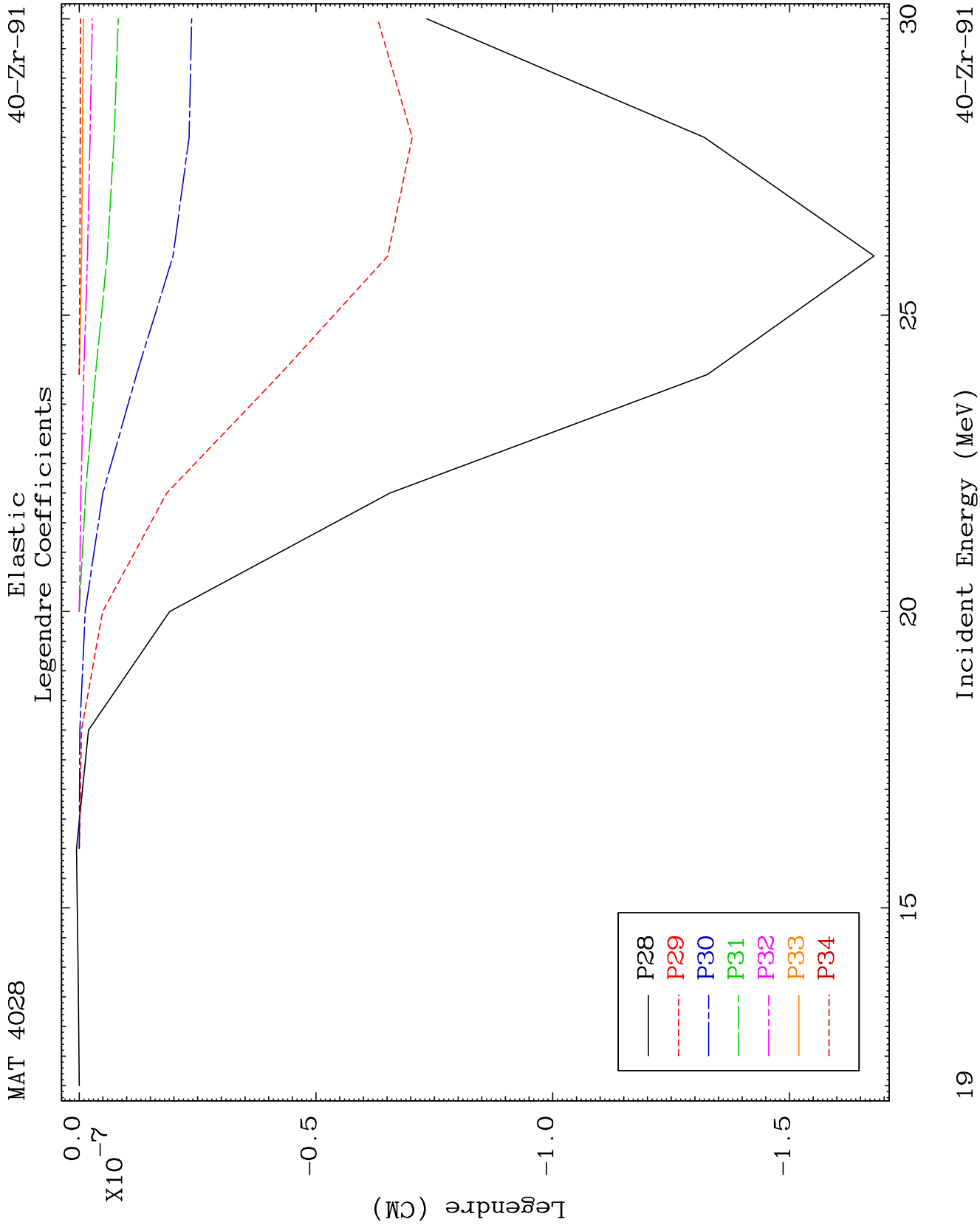
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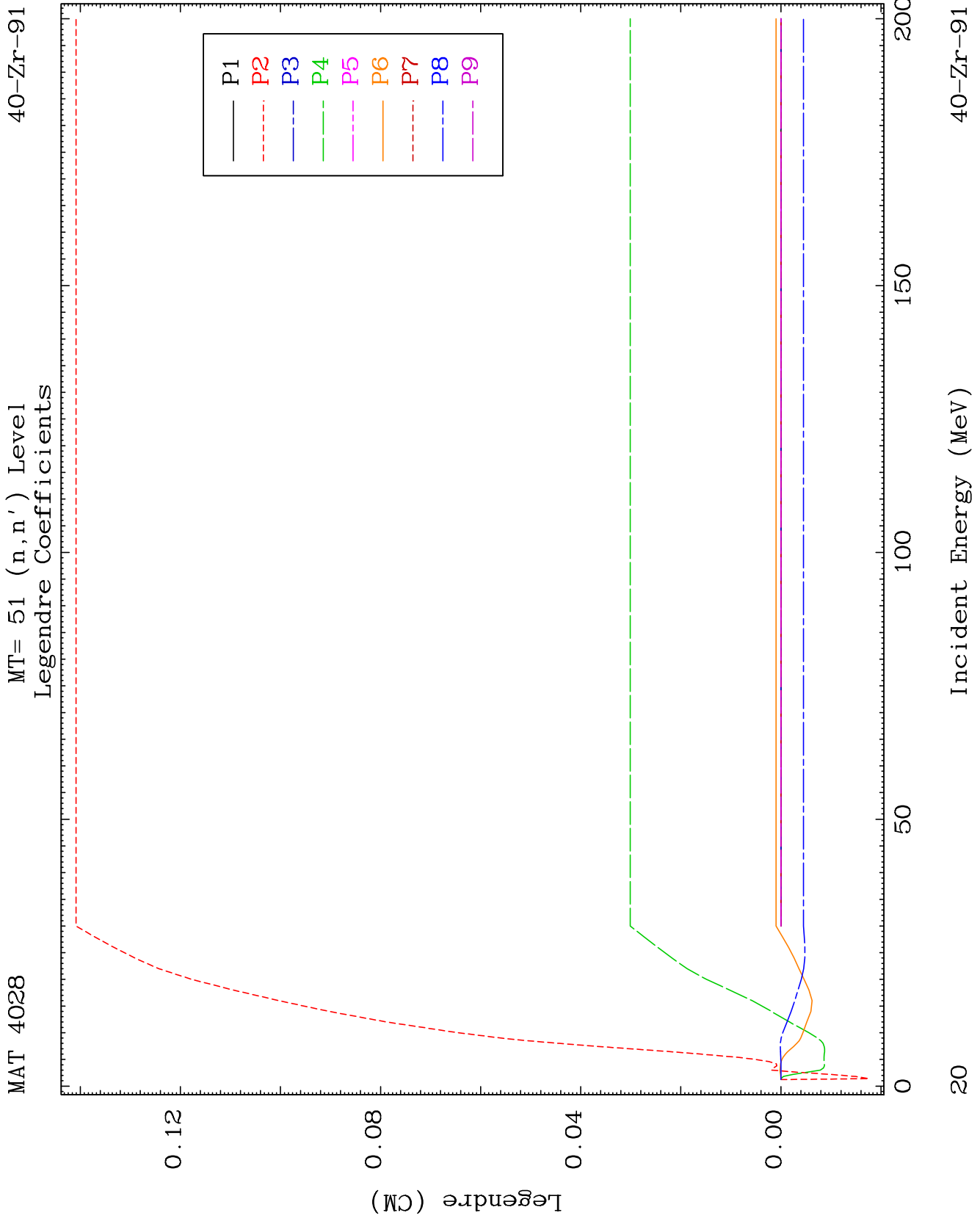


18

Incident Energy (MeV)

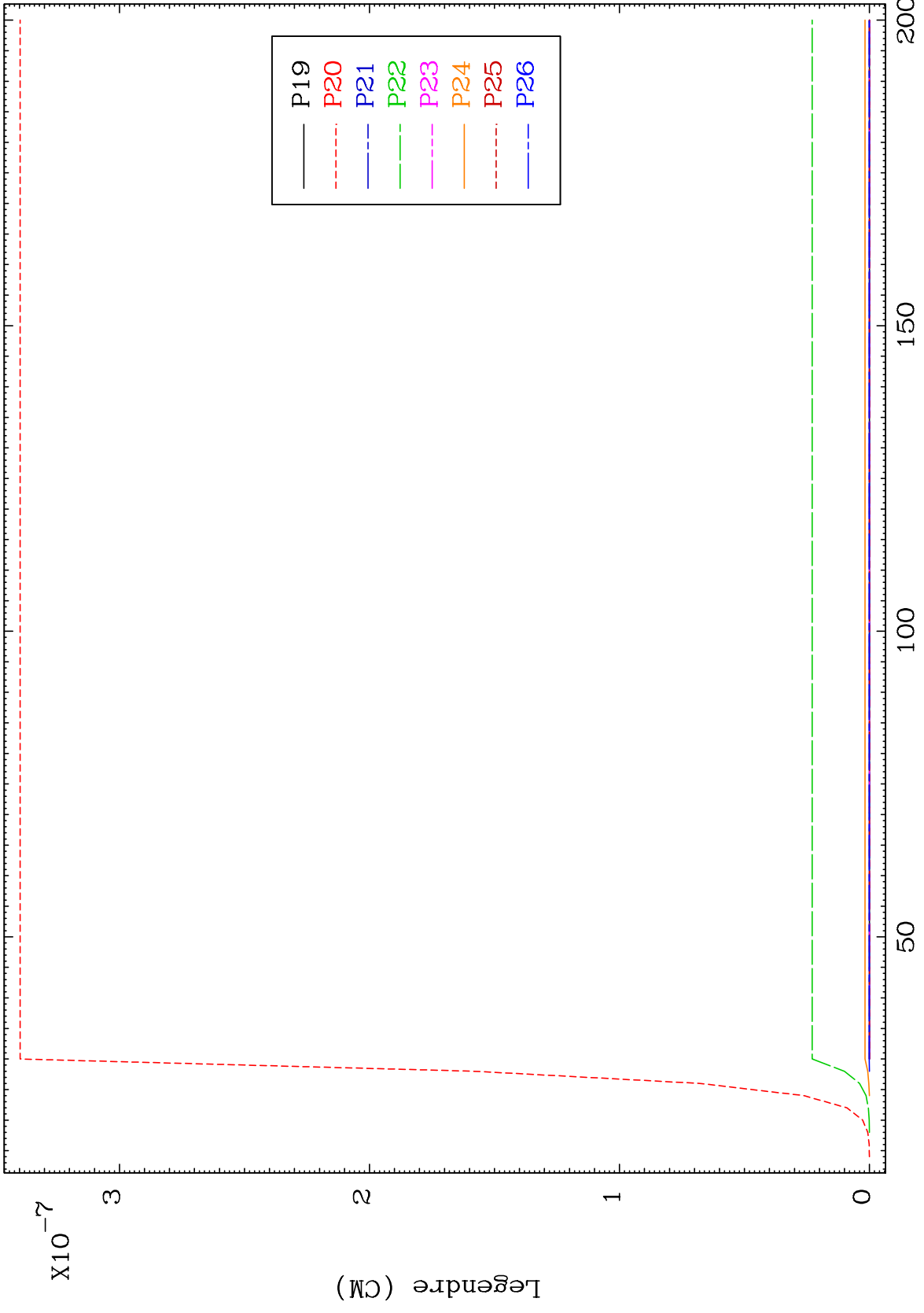
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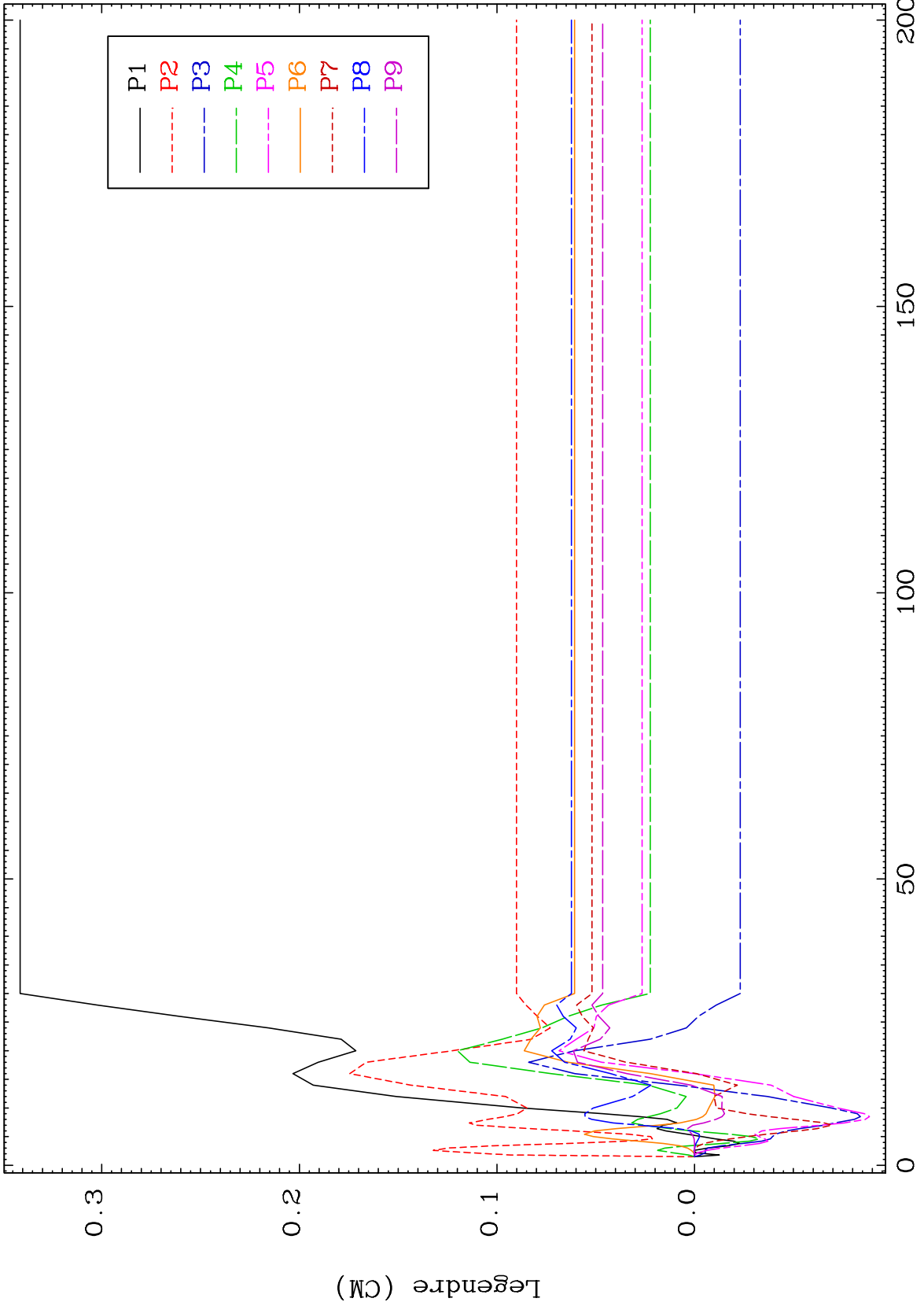


MAT 4028 MT= 51 (n,n') Level Legendre Coefficients 40-Zr-91



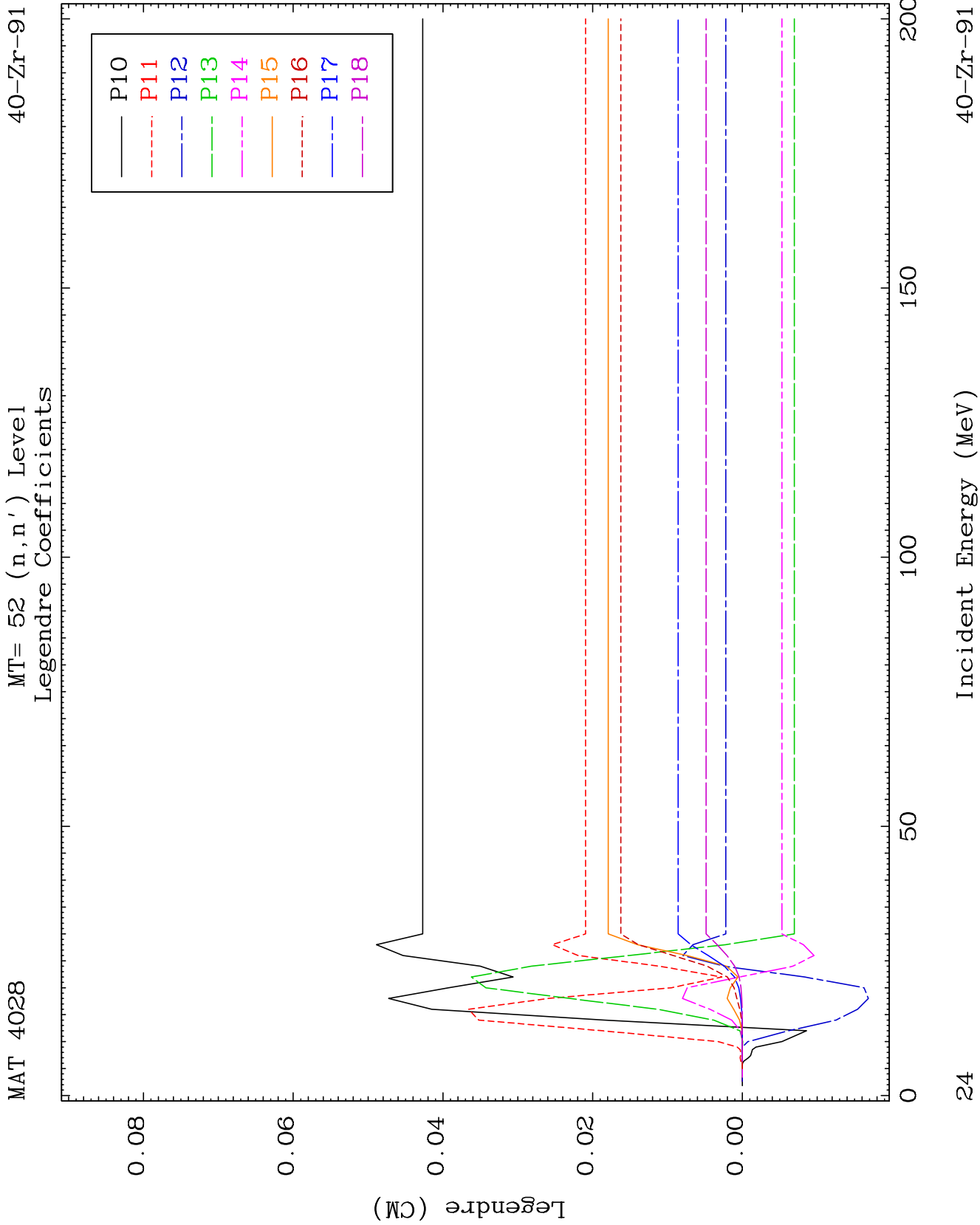
22 Incident Energy (MeV) 40-Zr-91

MAT 4028 MT= 52 (n,n') Level Legendre Coefficients 40-Zr-91

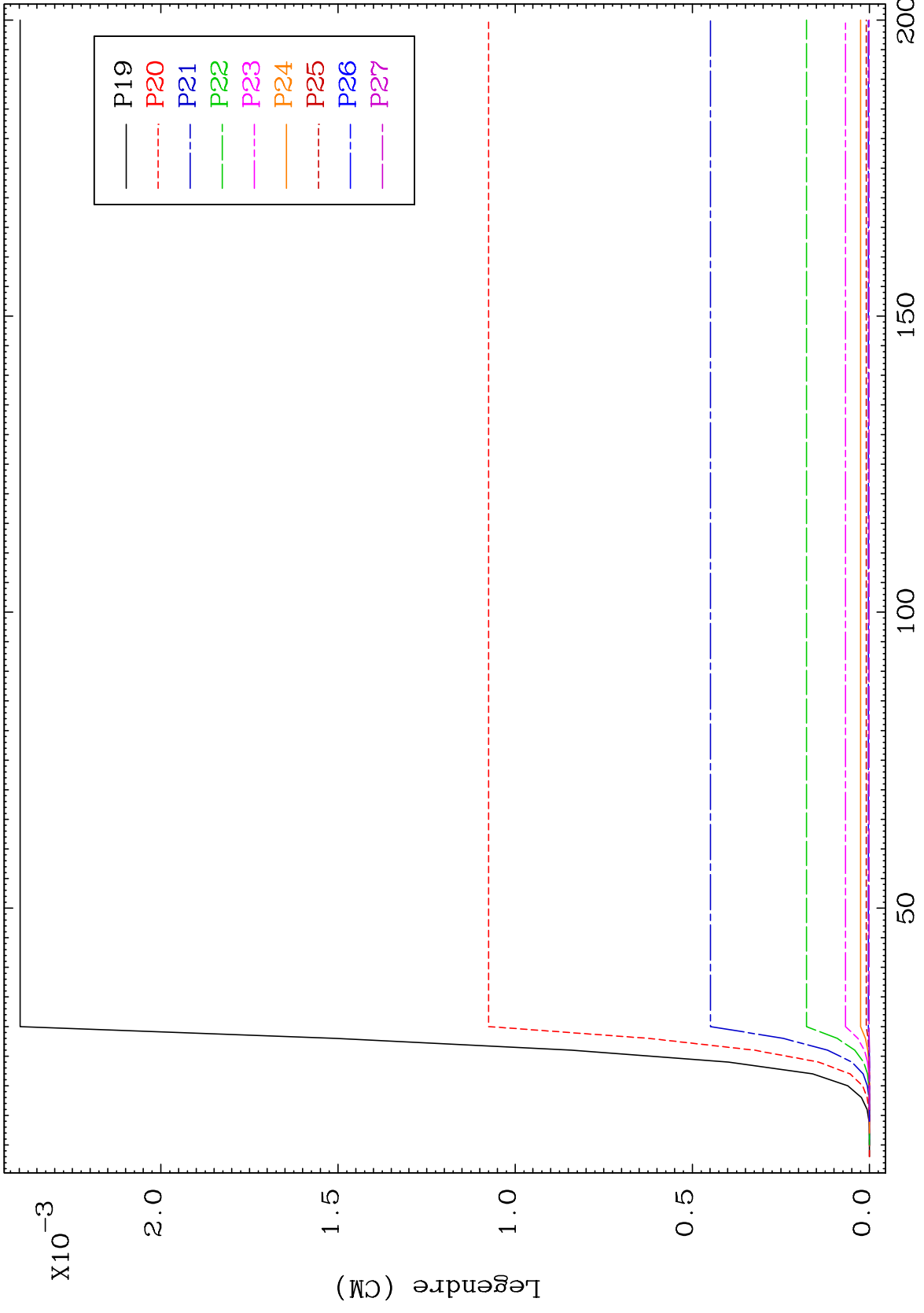


23 Incident Energy (MeV) 40-Zr-91





MAT 4028 MT= 52 (n,n') Level Legendre Coefficients 40-Zr-91

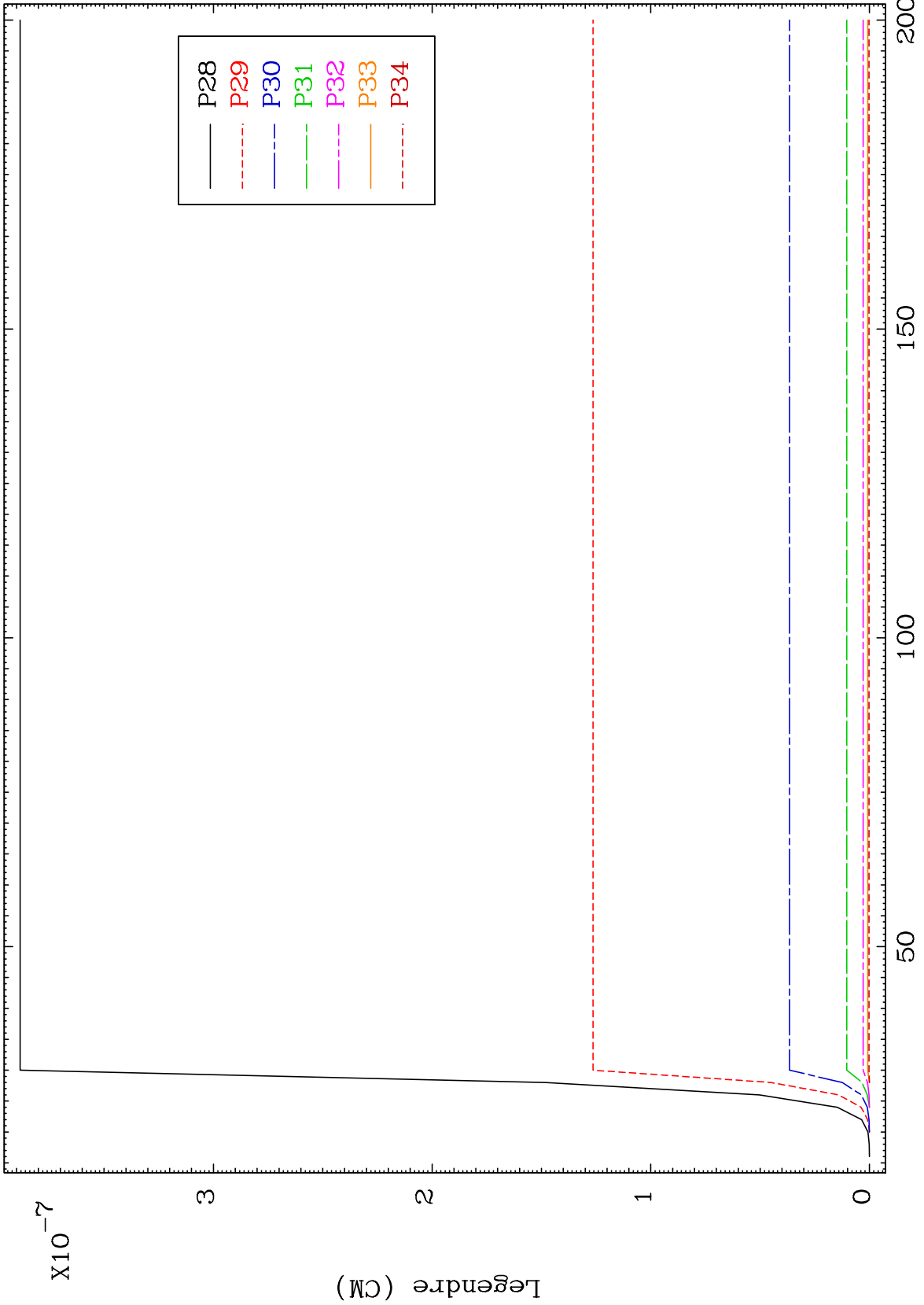


25 Incident Energy (MeV) 40-Zr-91

MAT 4028

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

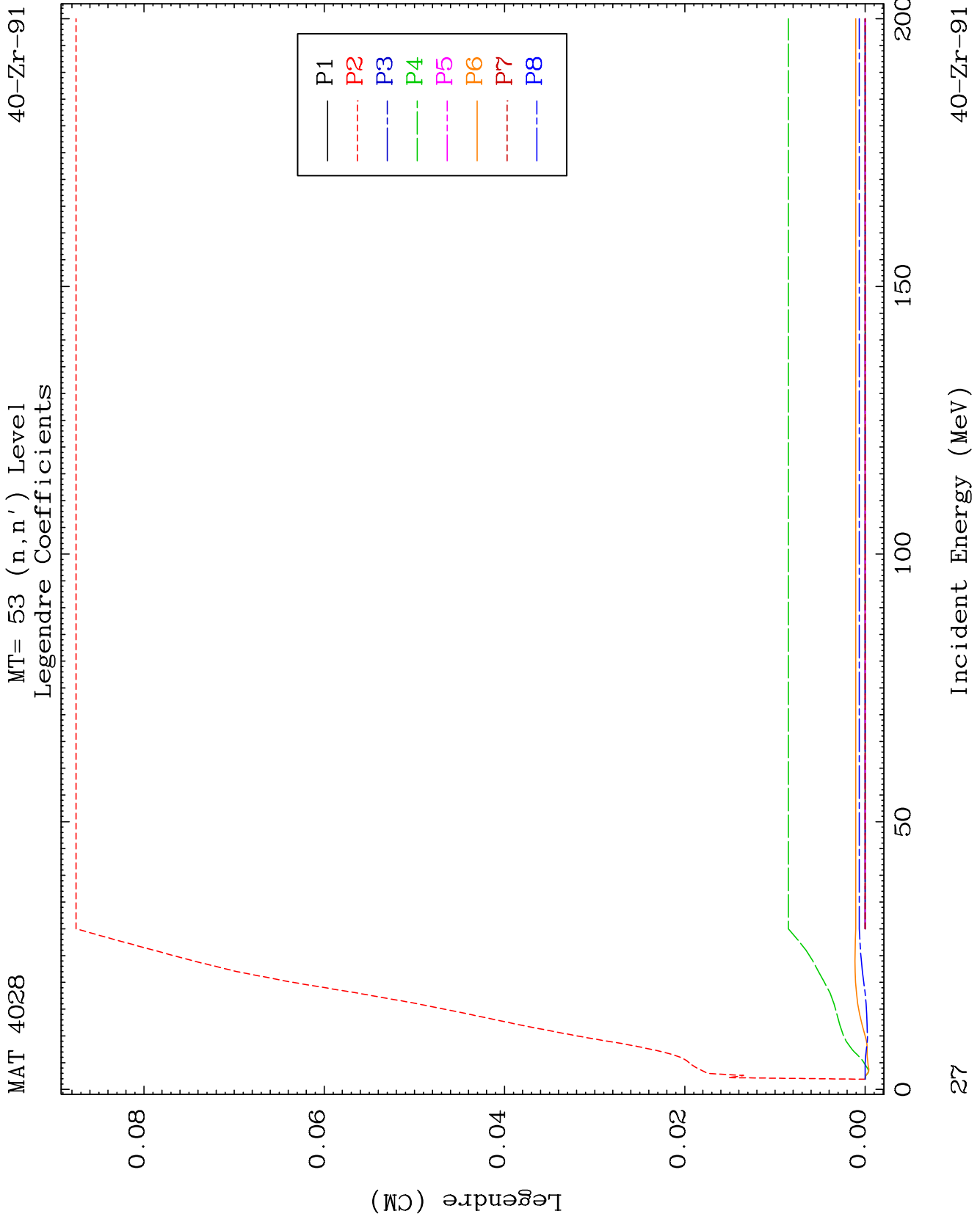
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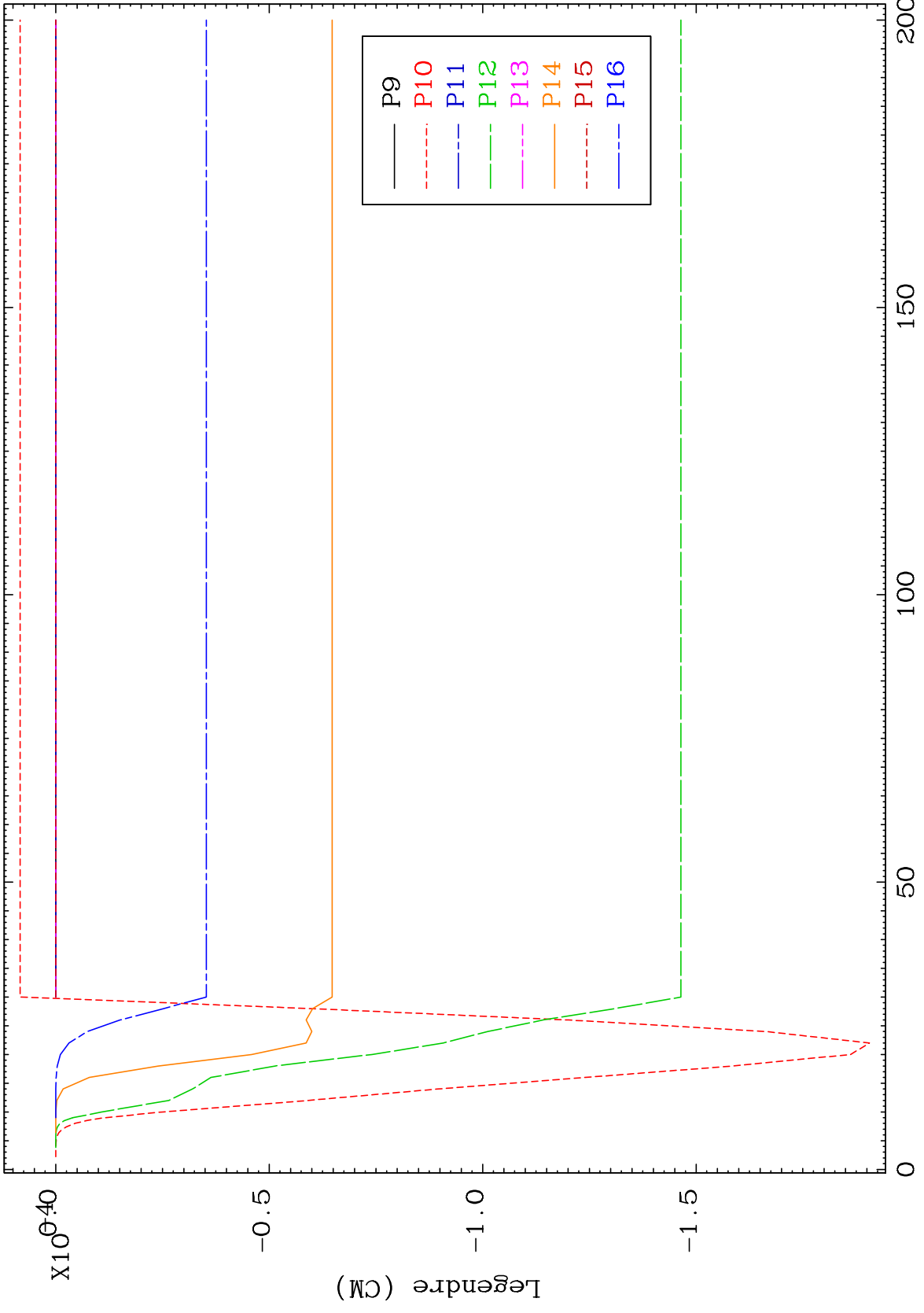
26

Incident Energy (MeV)

40-Zr-91

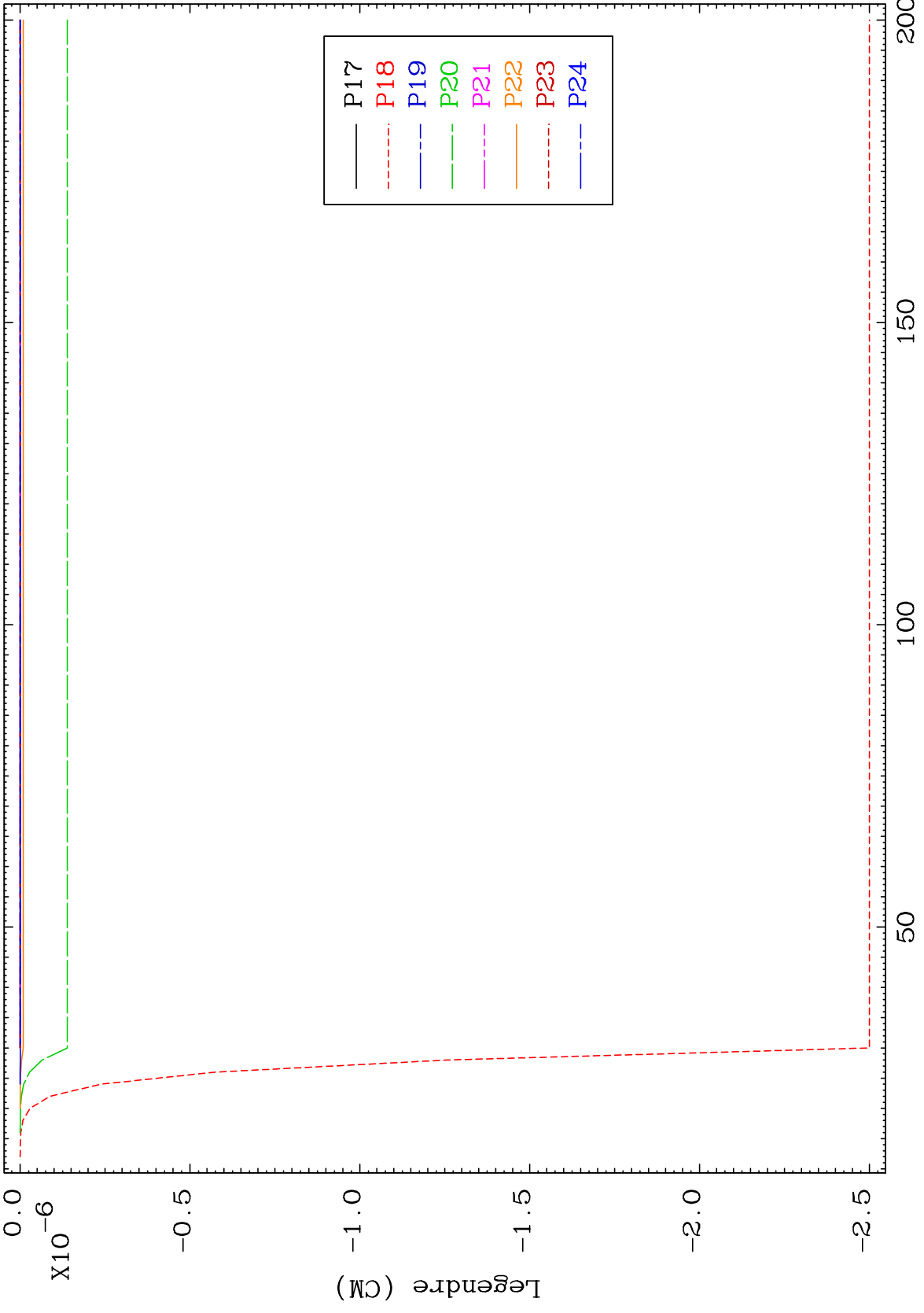


MAT 4028 MT= 53 (n,n') Level Legendre Coefficients 40-Zr-91

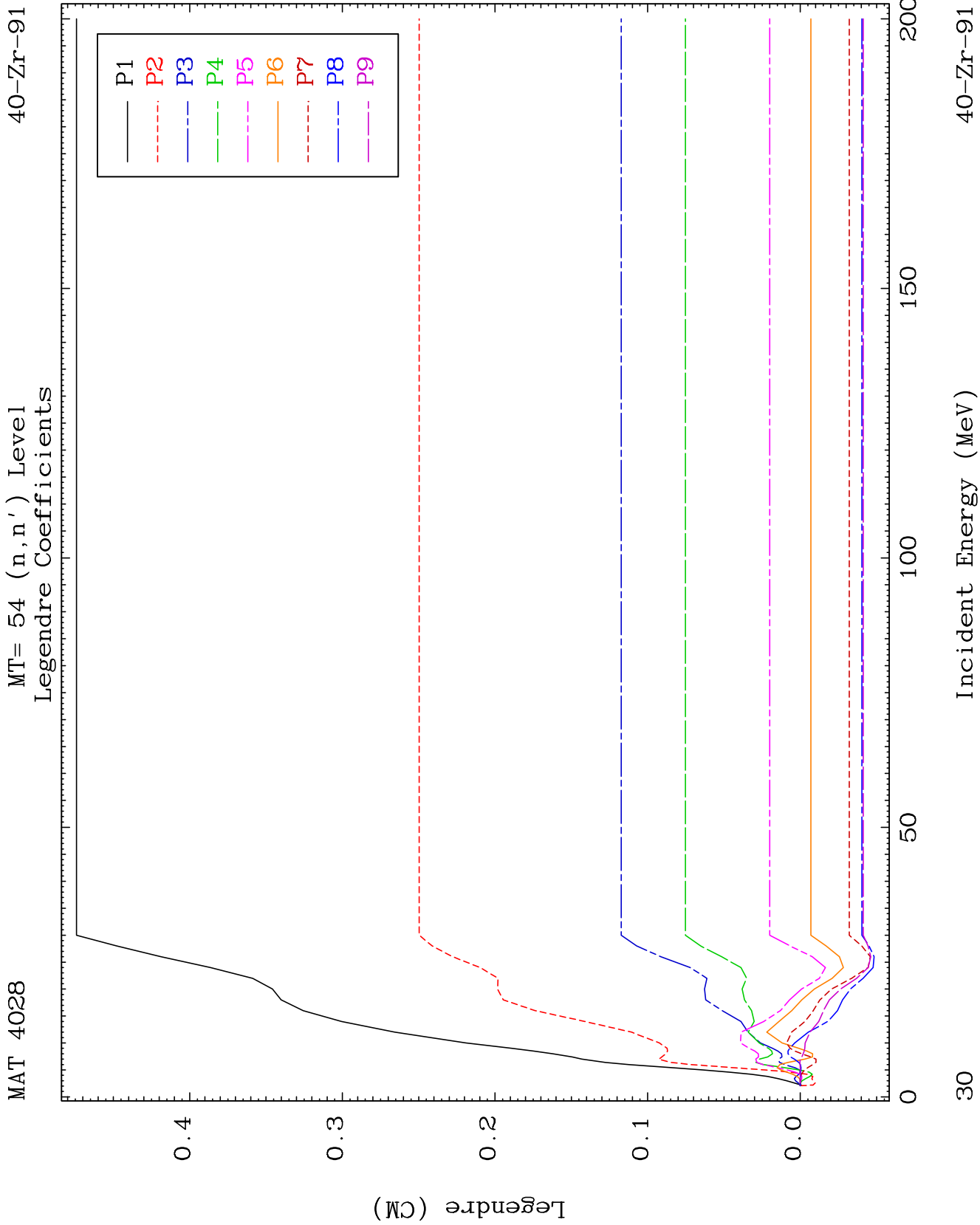


28 Incident Energy (MeV) 40-Zr-91

MAT 4028 MT= 53 (n,n') Level Legendre Coefficients 40-Zr-91



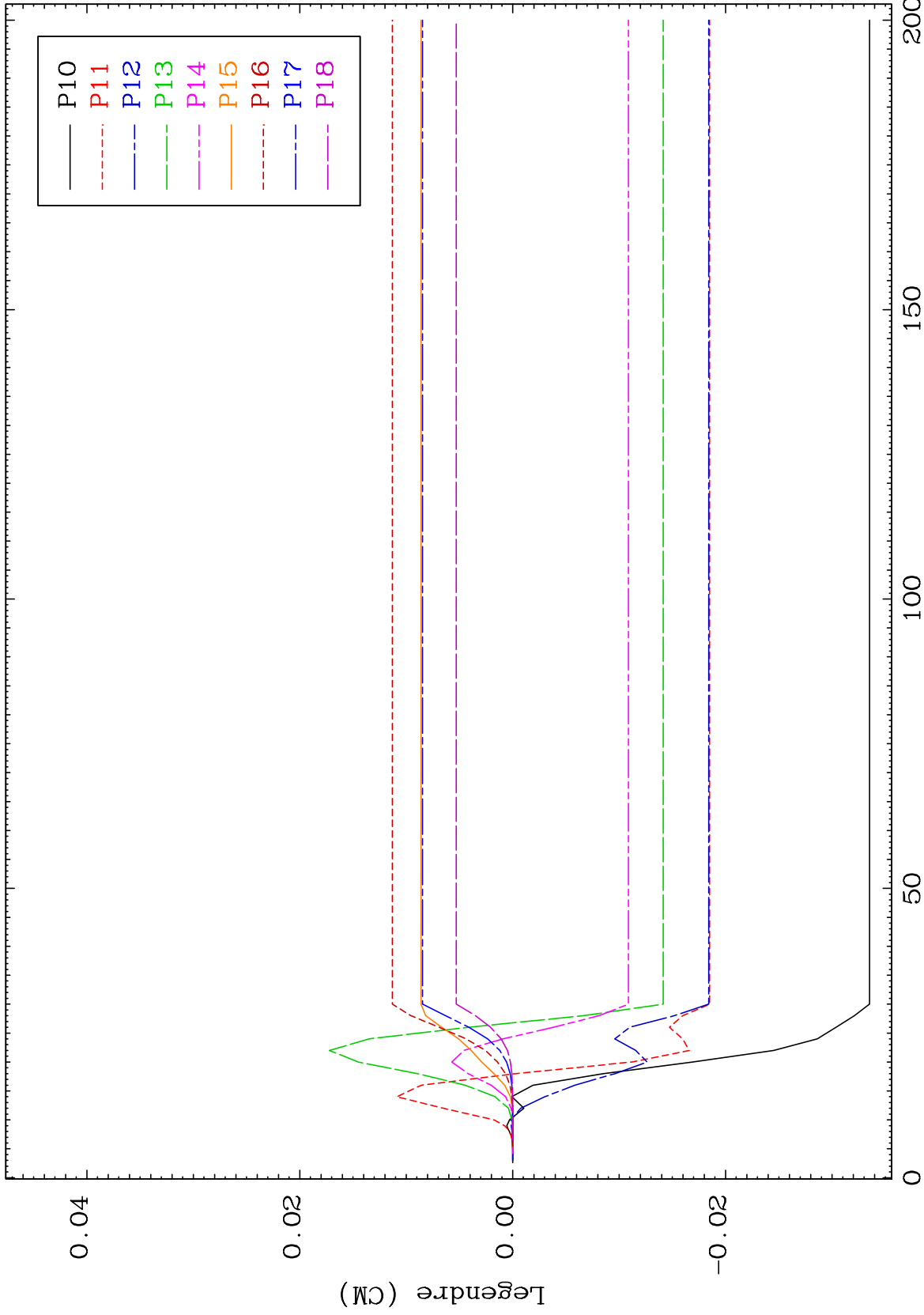
29 40-Zr-91



MAT 4028

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

40-Zr-91



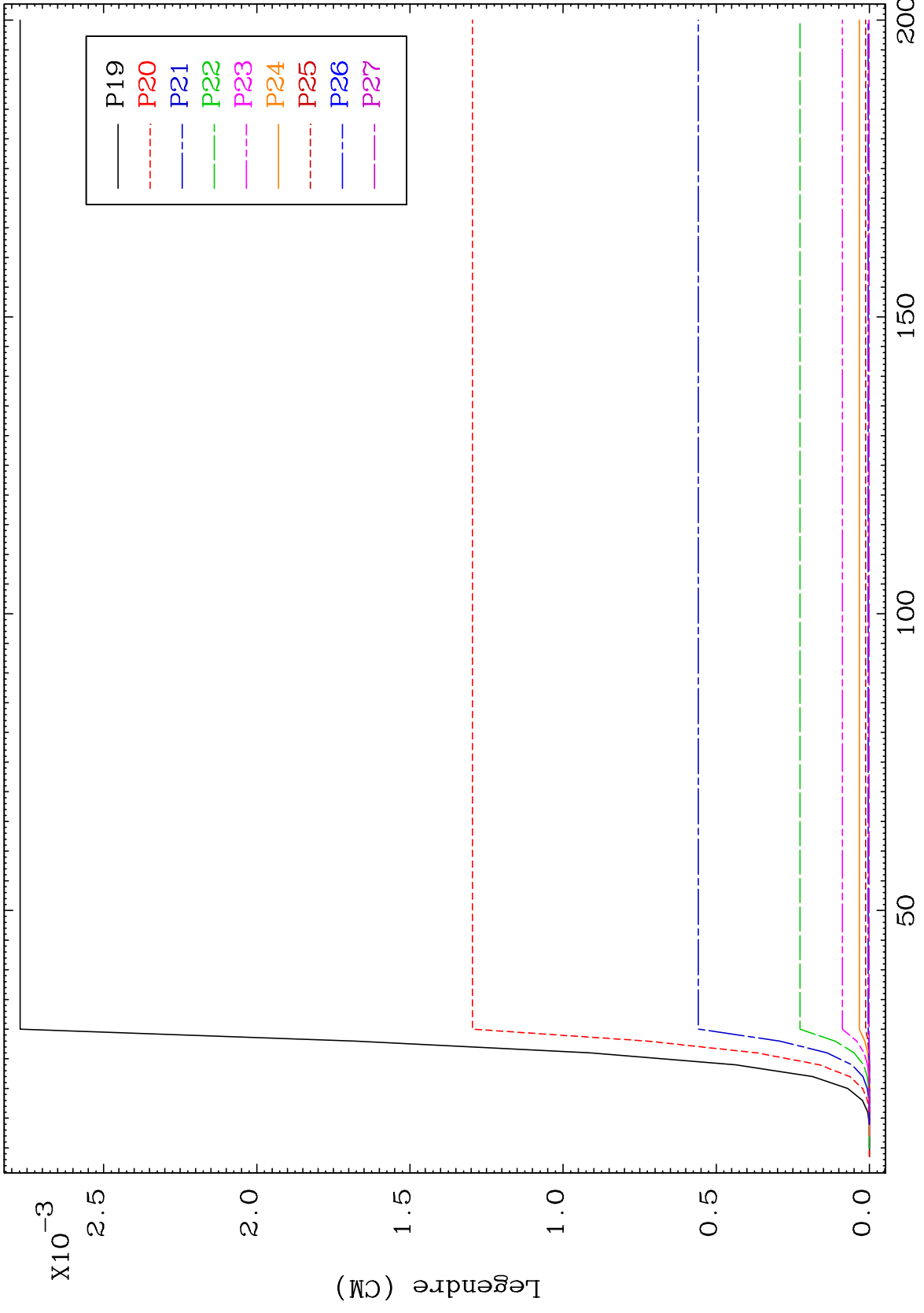
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Incident Energy (MeV)

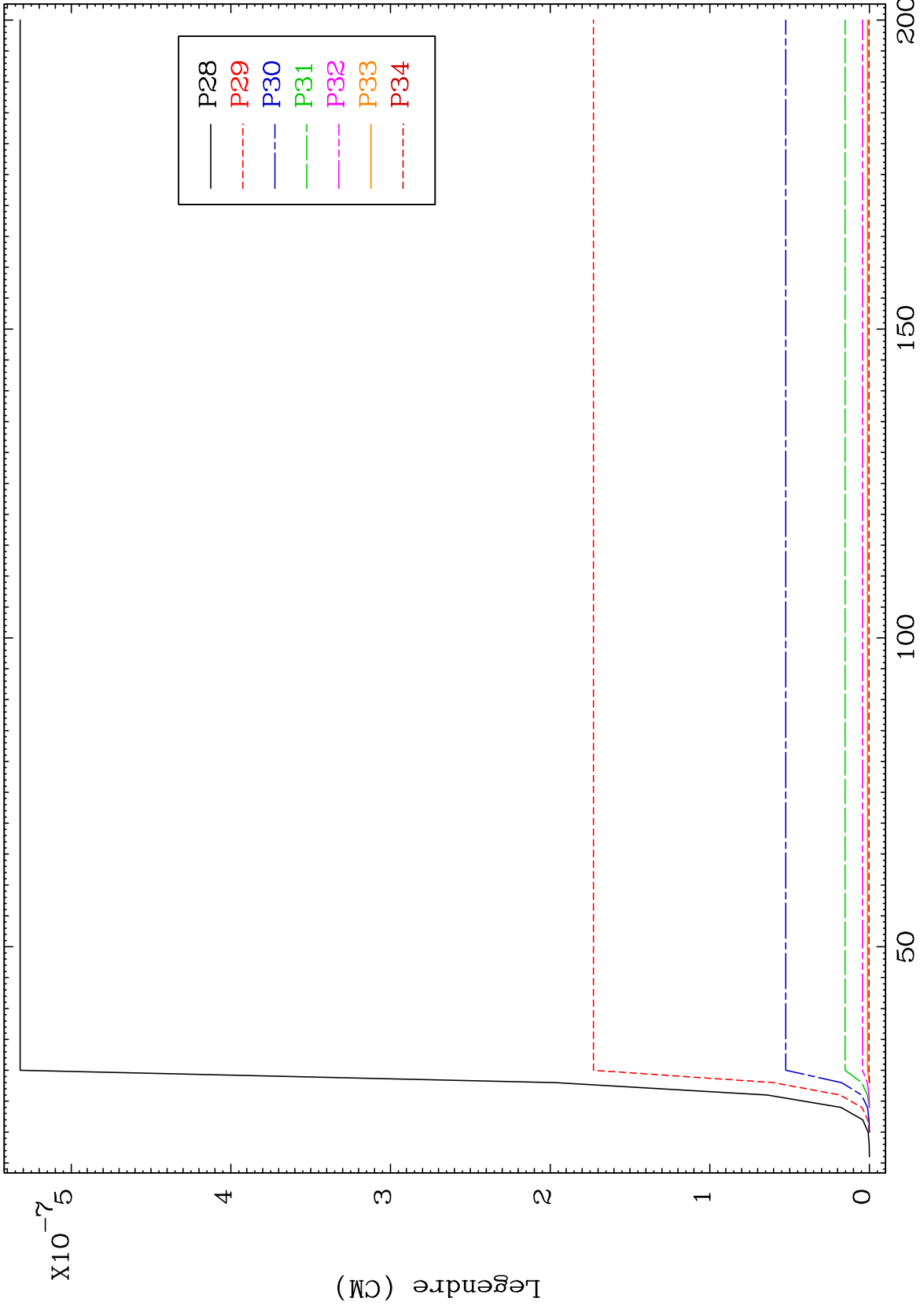
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MAT 4028 MT= 54 (n,n') Level Legendre Coefficients 40-Zr-91

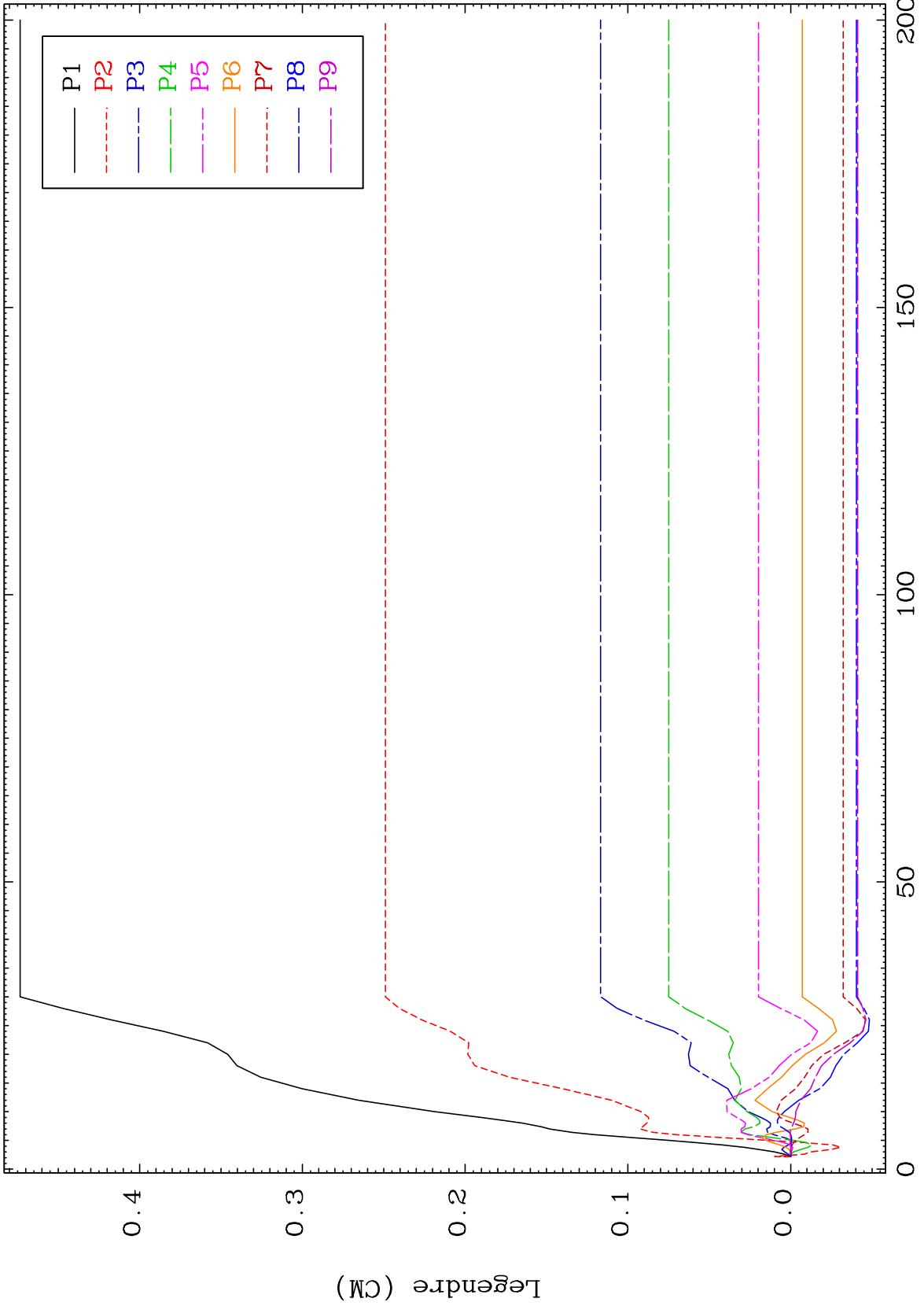


MAT 4028 MT= 54 (n,n') Level Legendre Coefficients 40-Zr-91



33 40-Zr-91

MAT 4028 MT= 55 (n,n') Level Legendre Coefficients 40-Zr-91

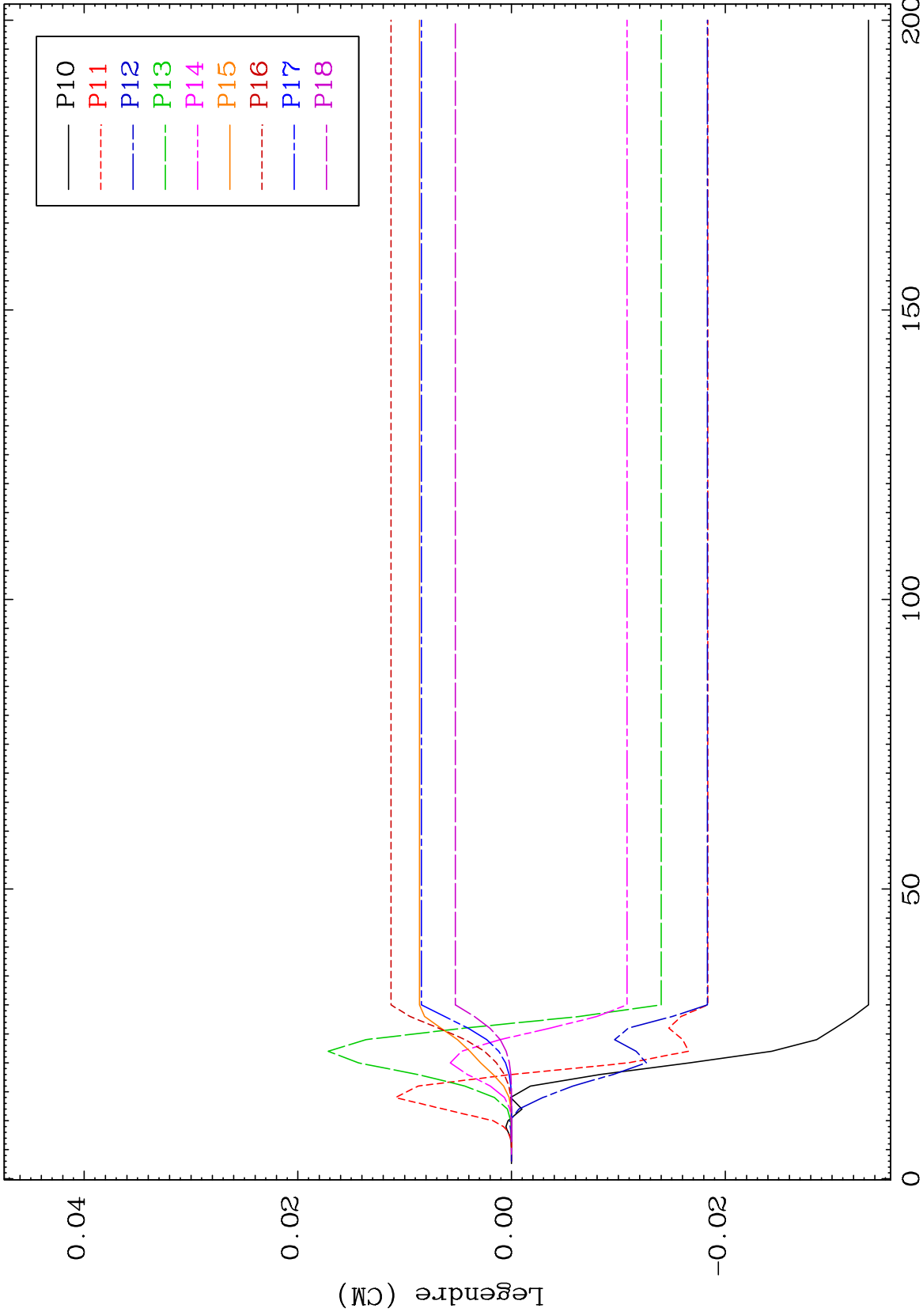


34 40-Zr-91

MAT 4028

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

40-Zr-91



35

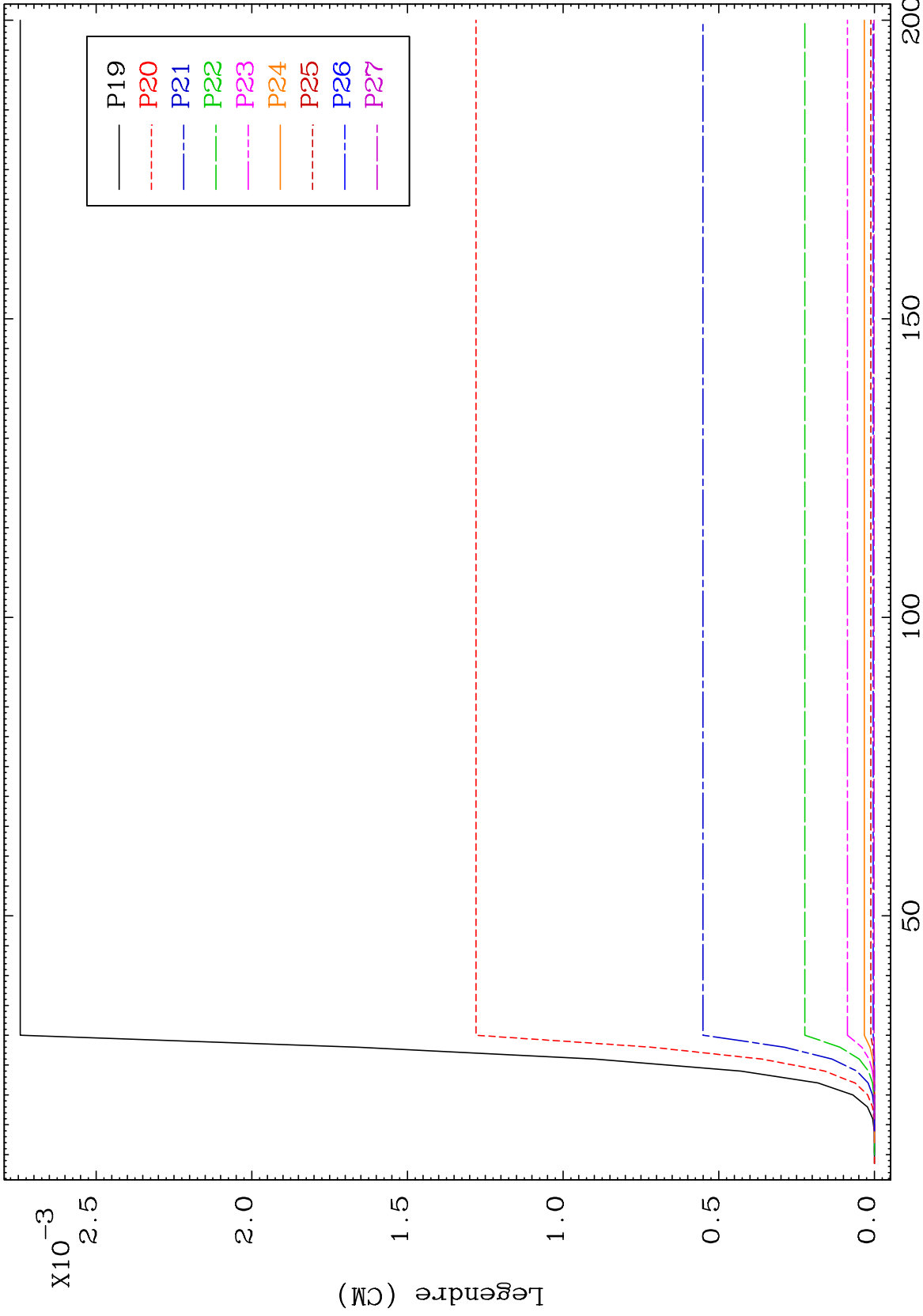
Incident Energy (MeV)

40-Zr-91

MAT 4028

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

40-Zr-91

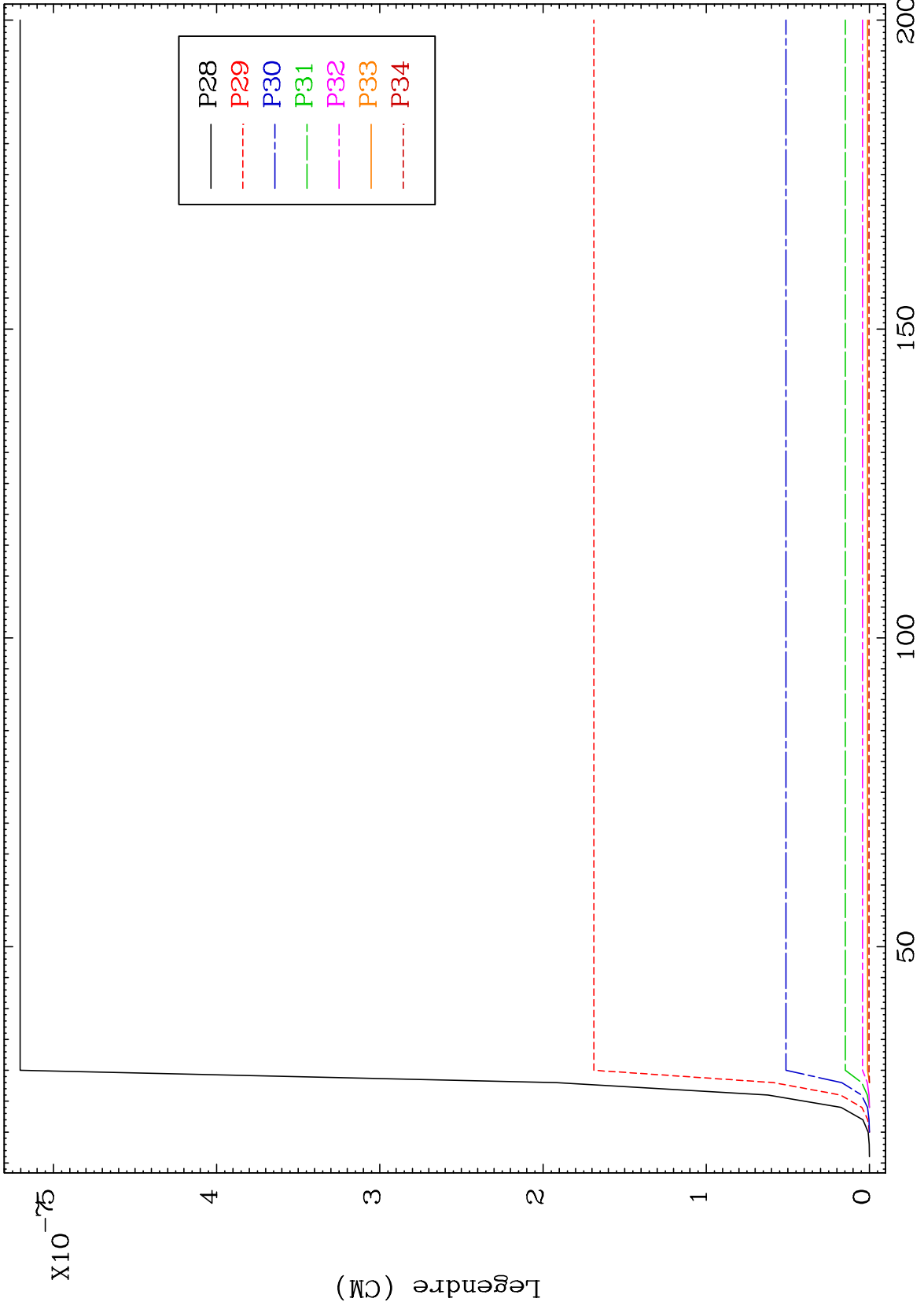


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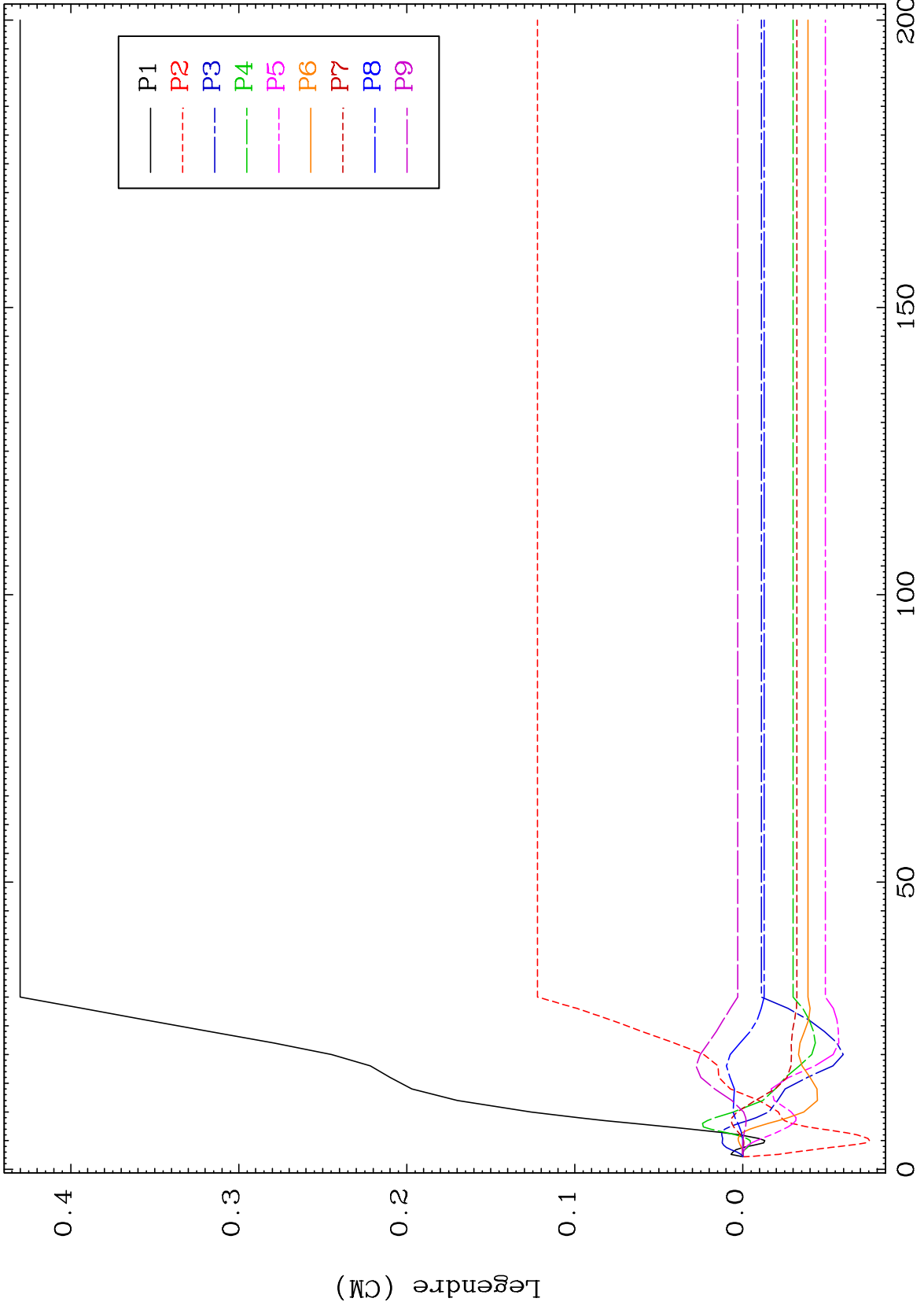
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MAT 4028 MT= 55 (n,n') Level Legendre Coefficients 40-Zr-91



37 50 100 150 200 40-Zr-91

MAT 4028 MT= 56 (n,n') Level Legendre Coefficients 40-Zr-91

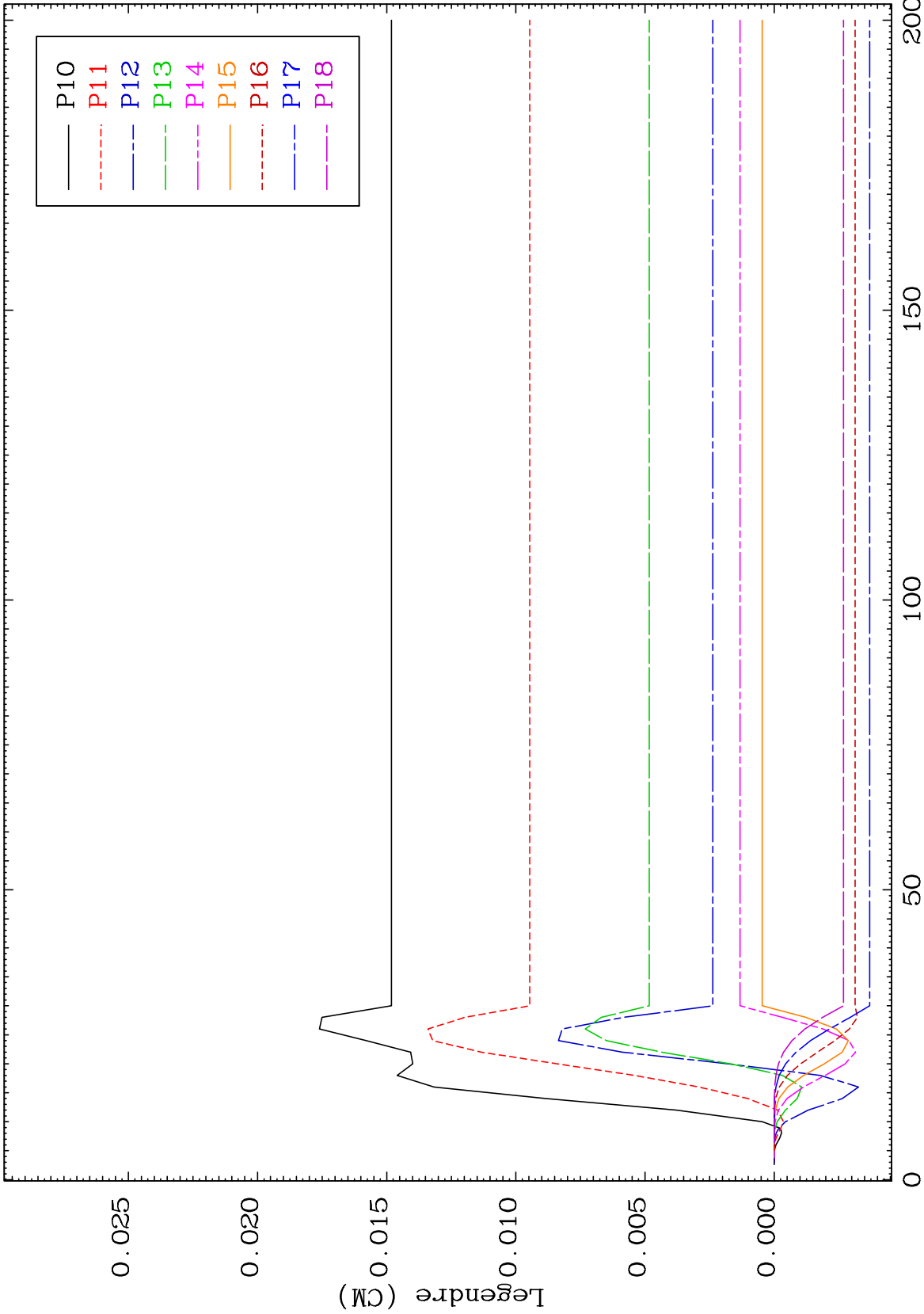


38 Incident Energy (MeV) 40-Zr-91

MAT 4028

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

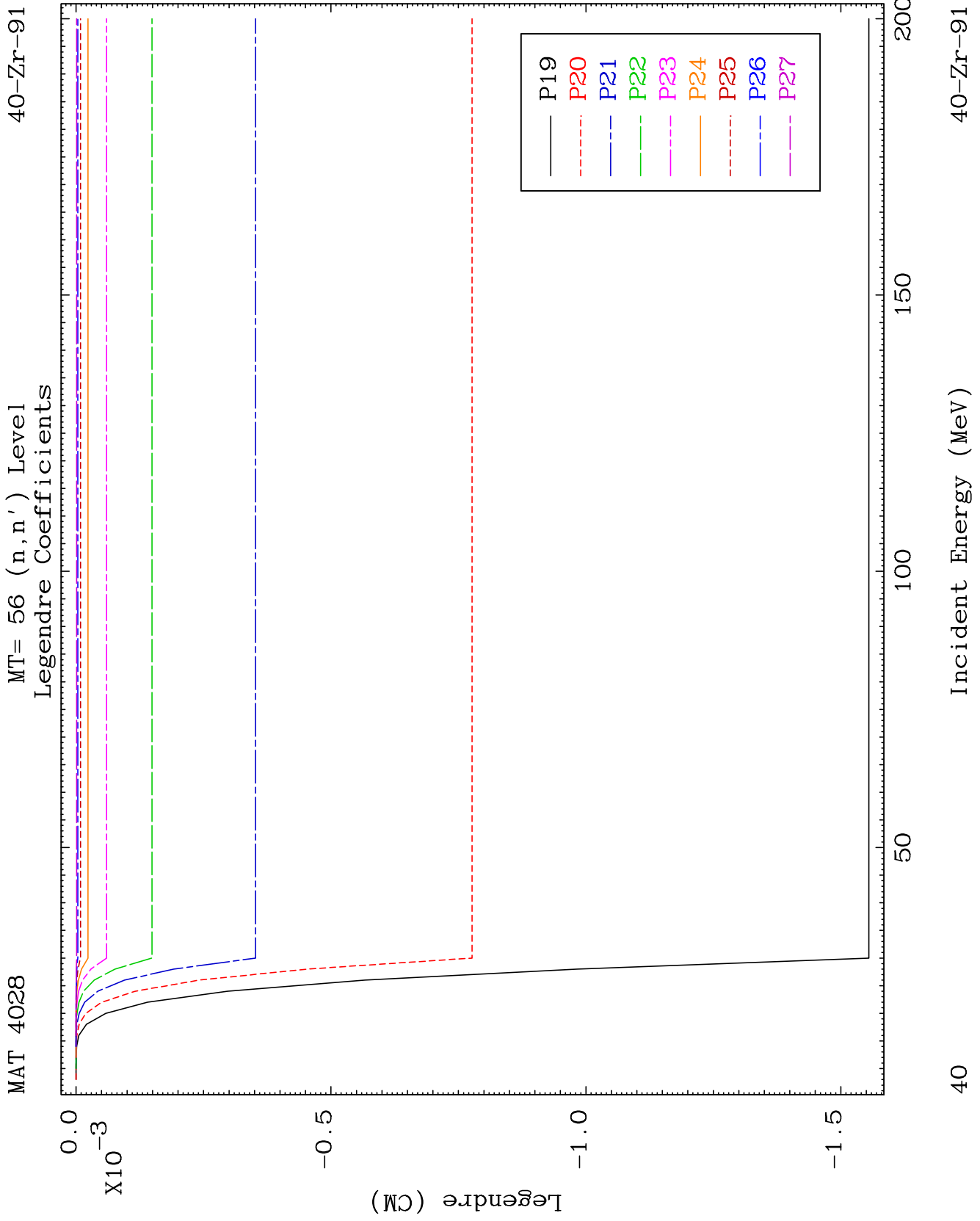
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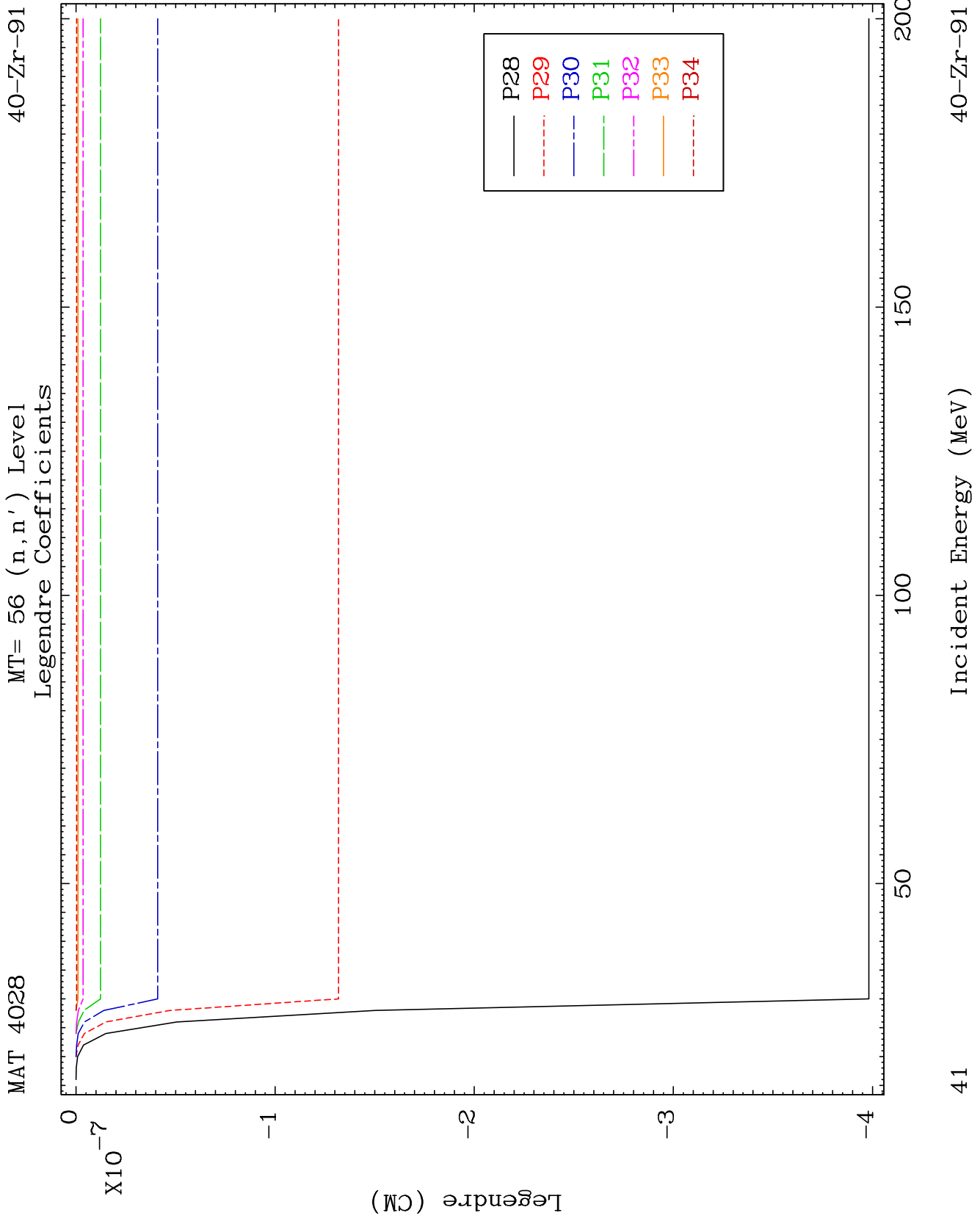


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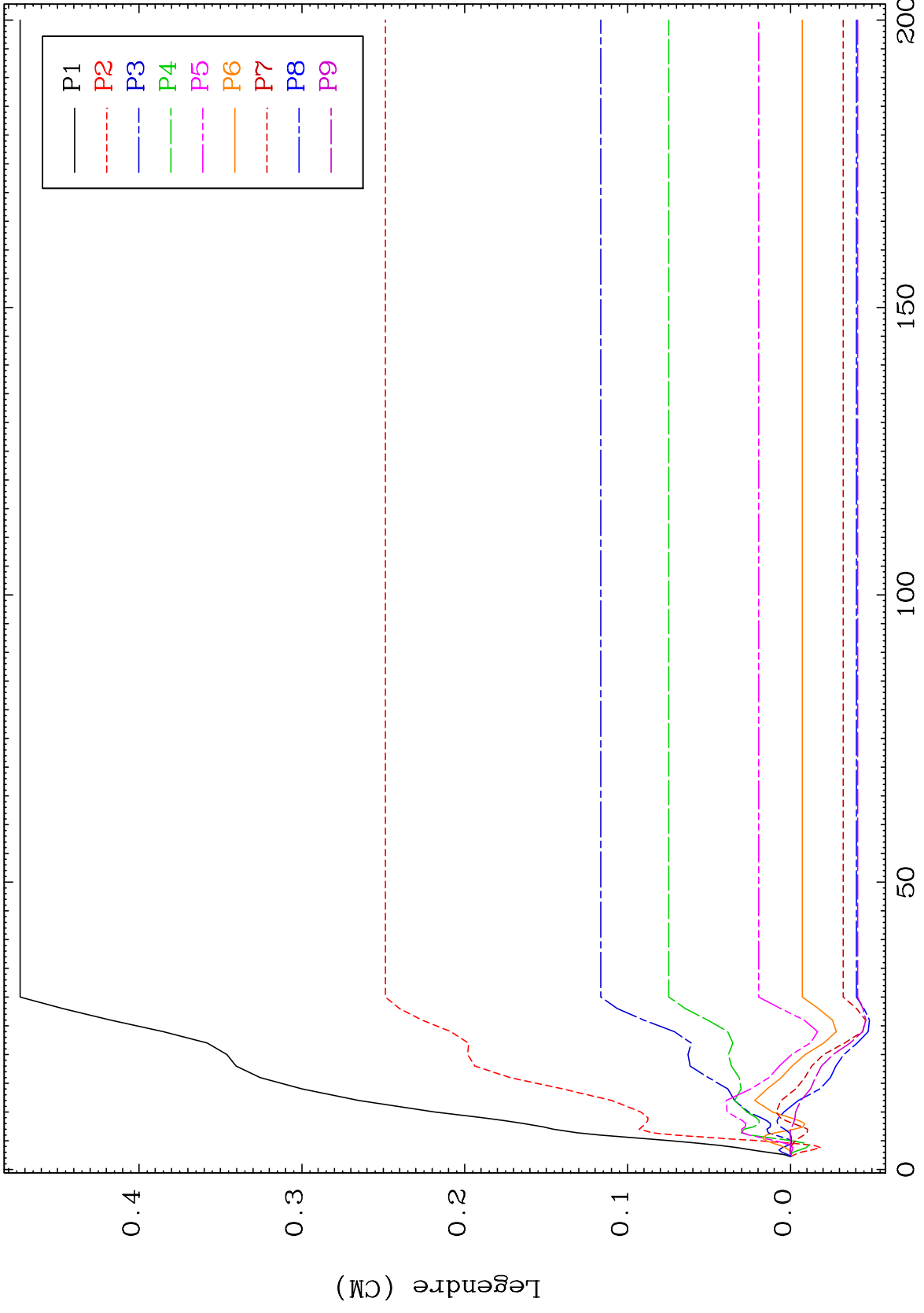
40-Zr-91







MAT 4028 MT= 57 (n,n') Level Legendre Coefficients 40-Zr-91

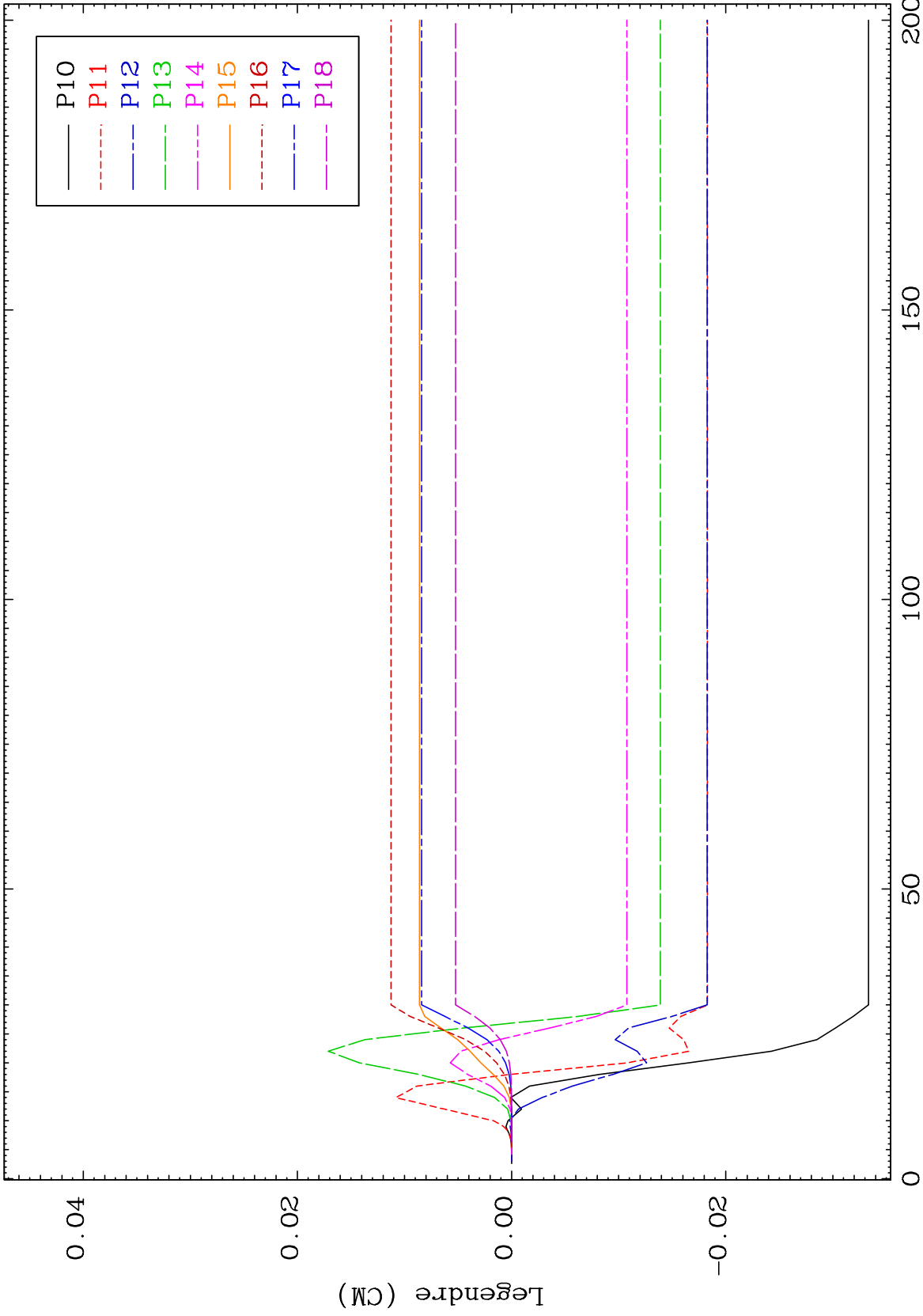


42 40-Zr-91

MAT 4028

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

40-Zr-91

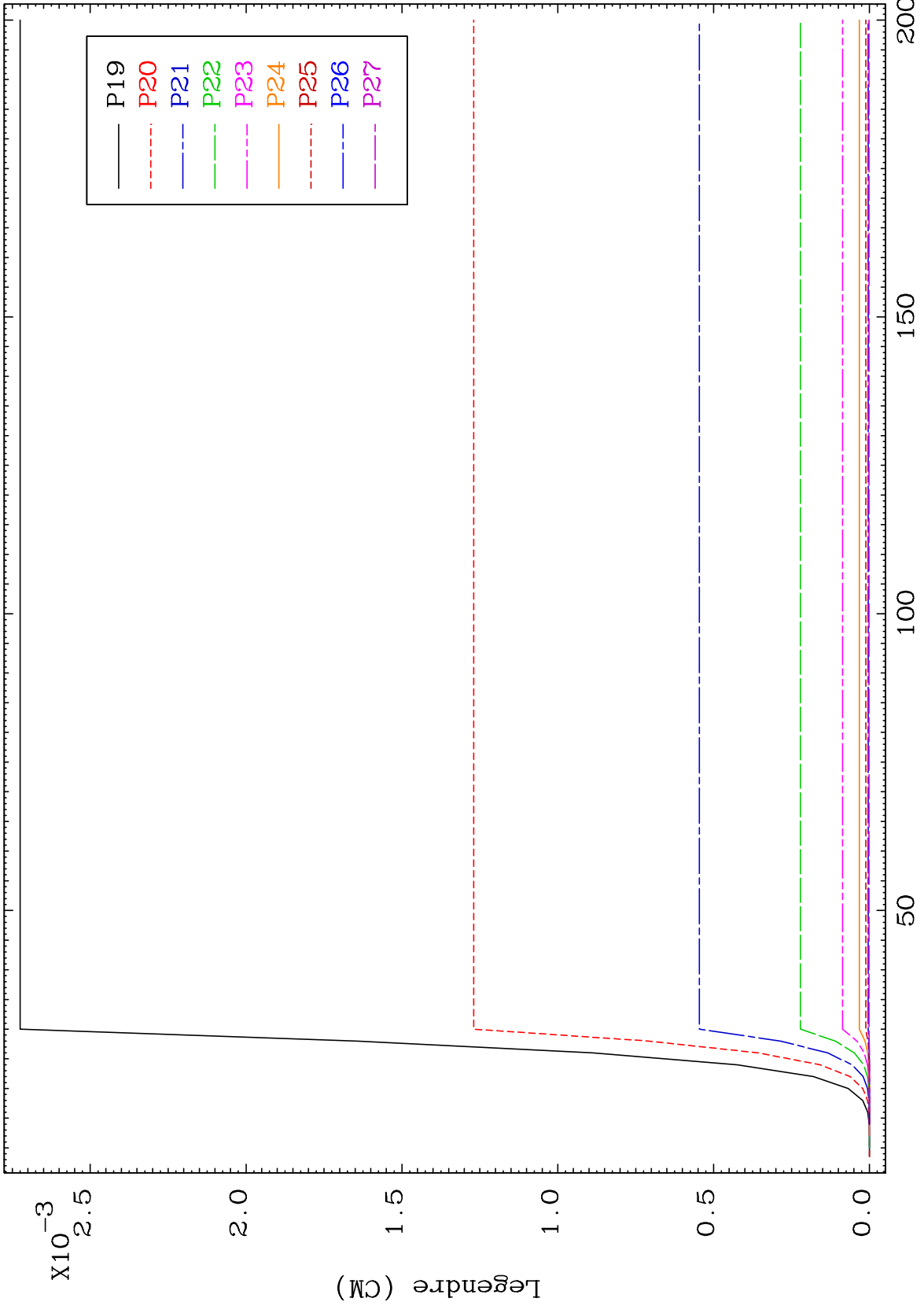


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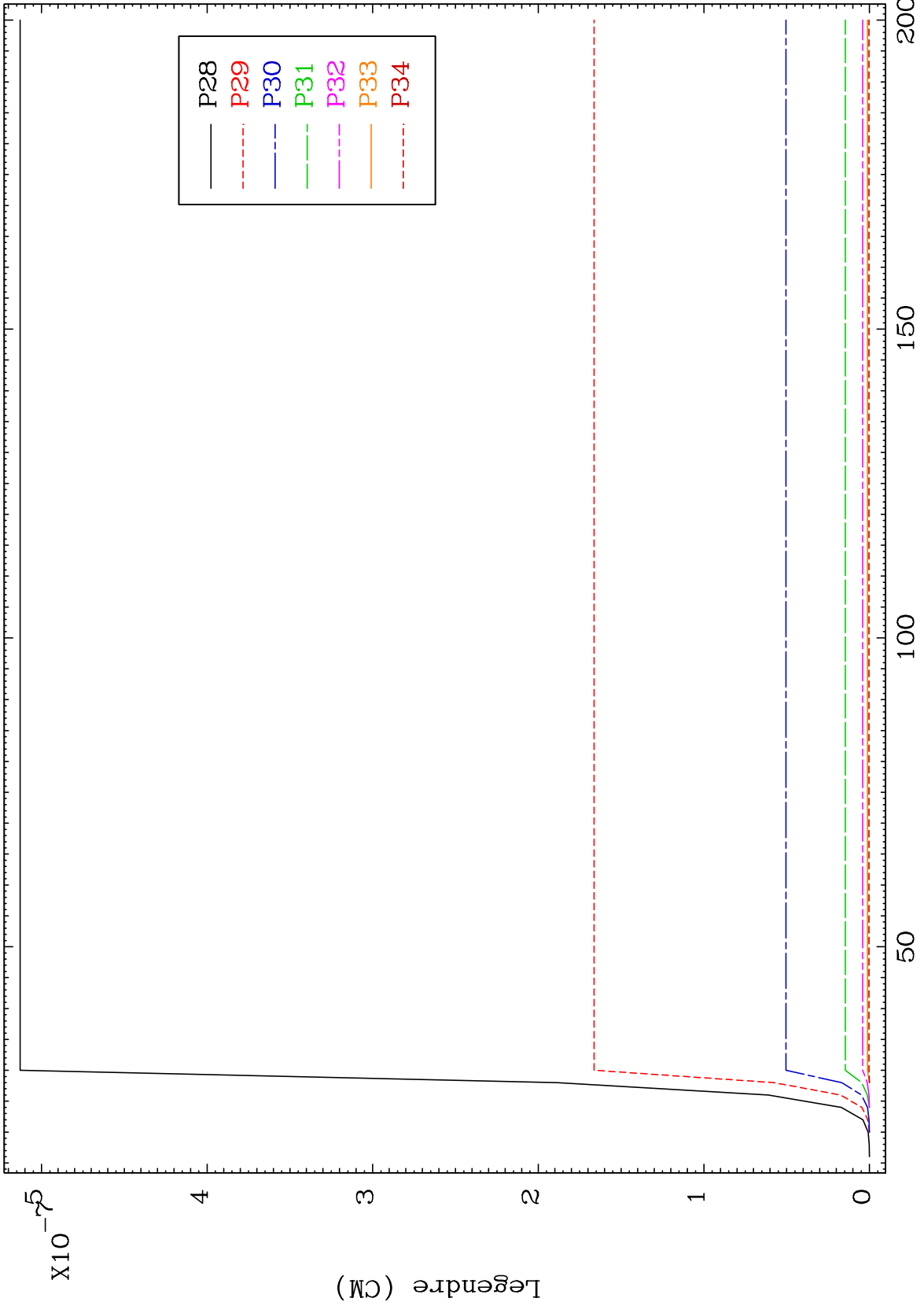
Incident Energy (MeV)

40-Zr-91

MAT 4028 MT= 57 (n,n') Level Legendre Coefficients 40-Zr-91

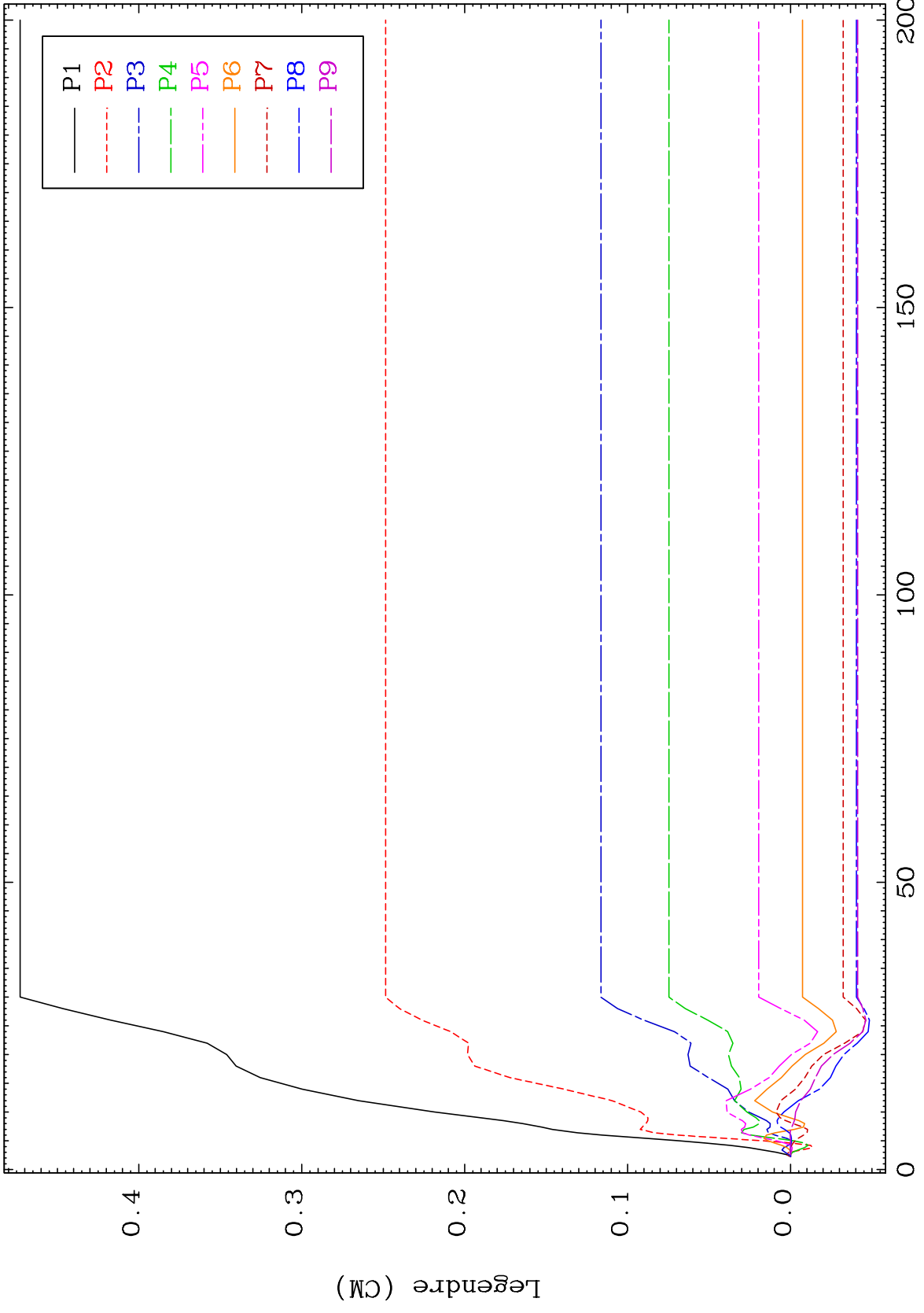


MAT 4028 MT= 57 (n,n') Level Legendre Coefficients 40-Zr-91



45 50 100 150 200 40-Zr-91

MAT 4028 MT= 58 (n,n') Level Legendre Coefficients 40-Zr-91

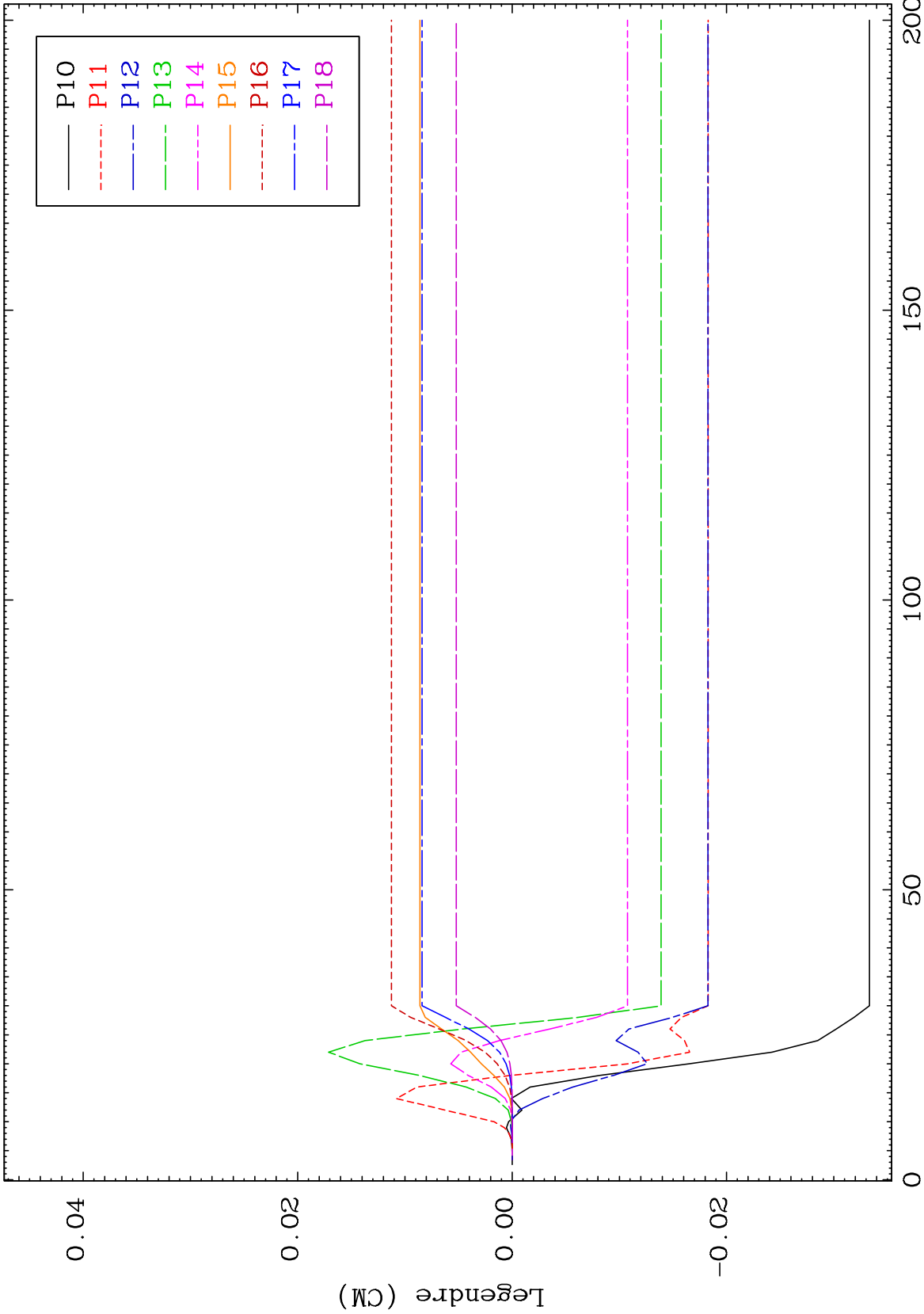


46 40-Zr-91

MAT 4028

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

40-Zr-91



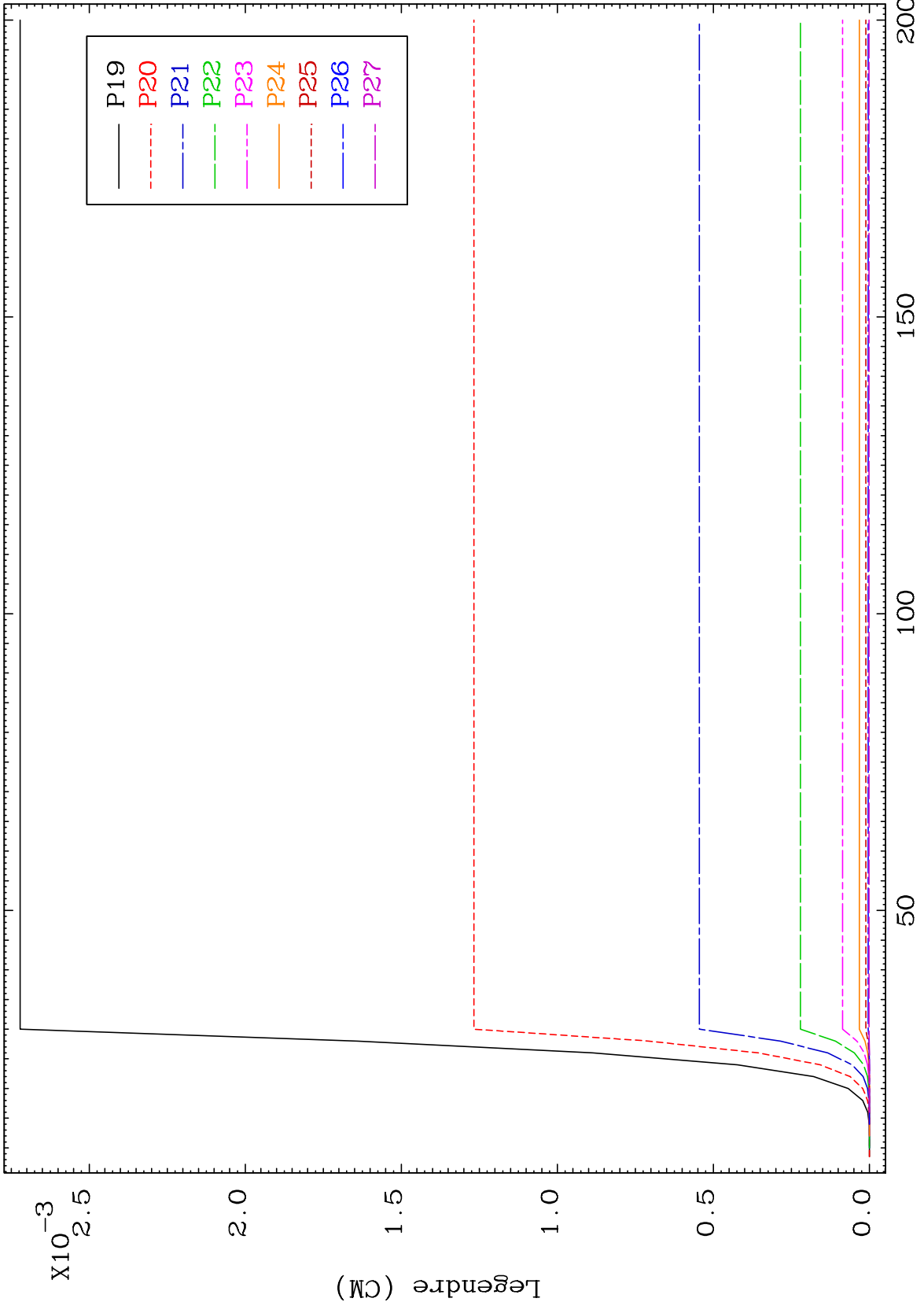
47

Incident Energy (MeV)

40-Zr-91



MAT 4028 MT= 58 (n,n') Level Legendre Coefficients 40-Zr-91

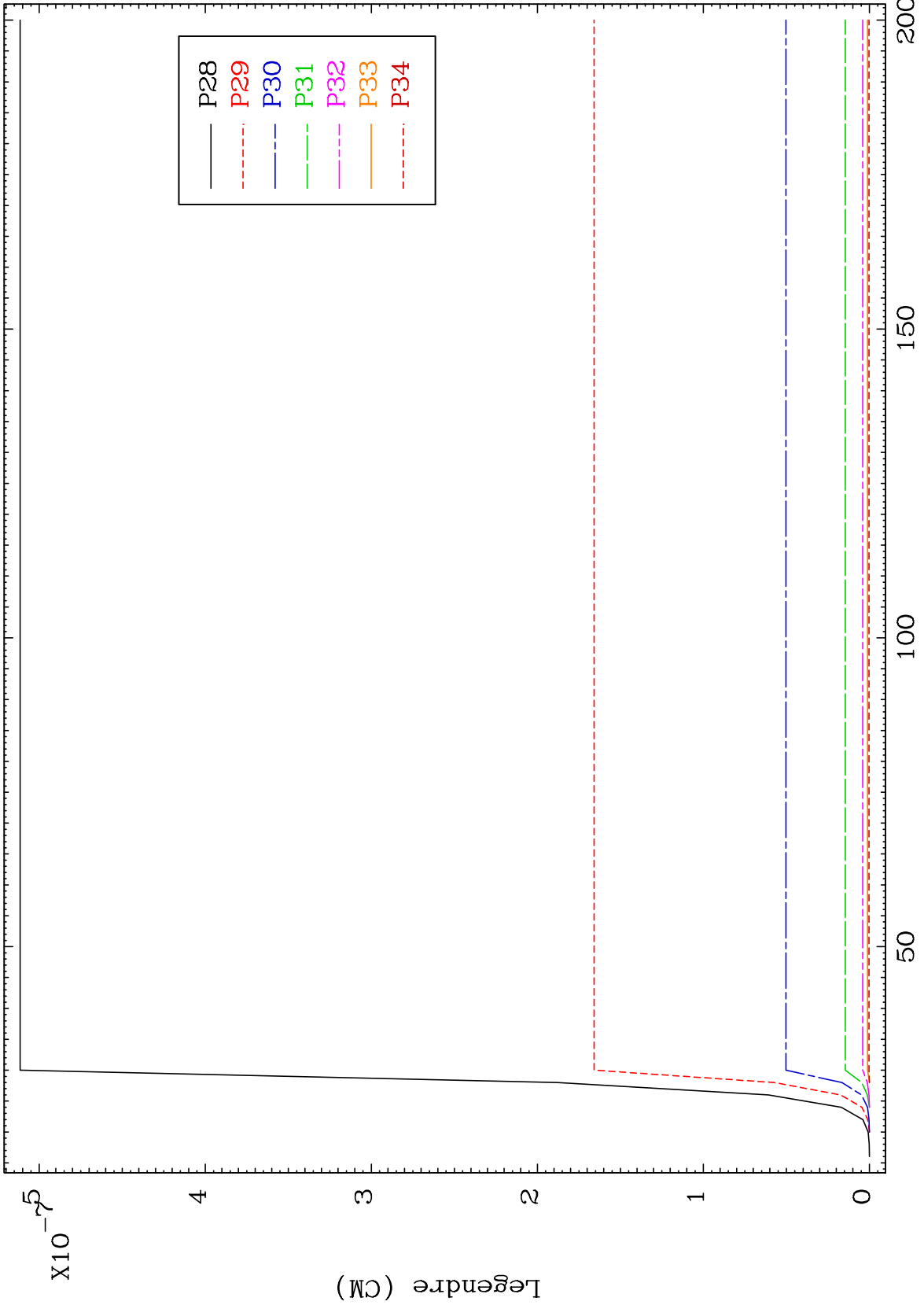


48 Incident Energy (MeV) 40-Zr-91

MAT 4028

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

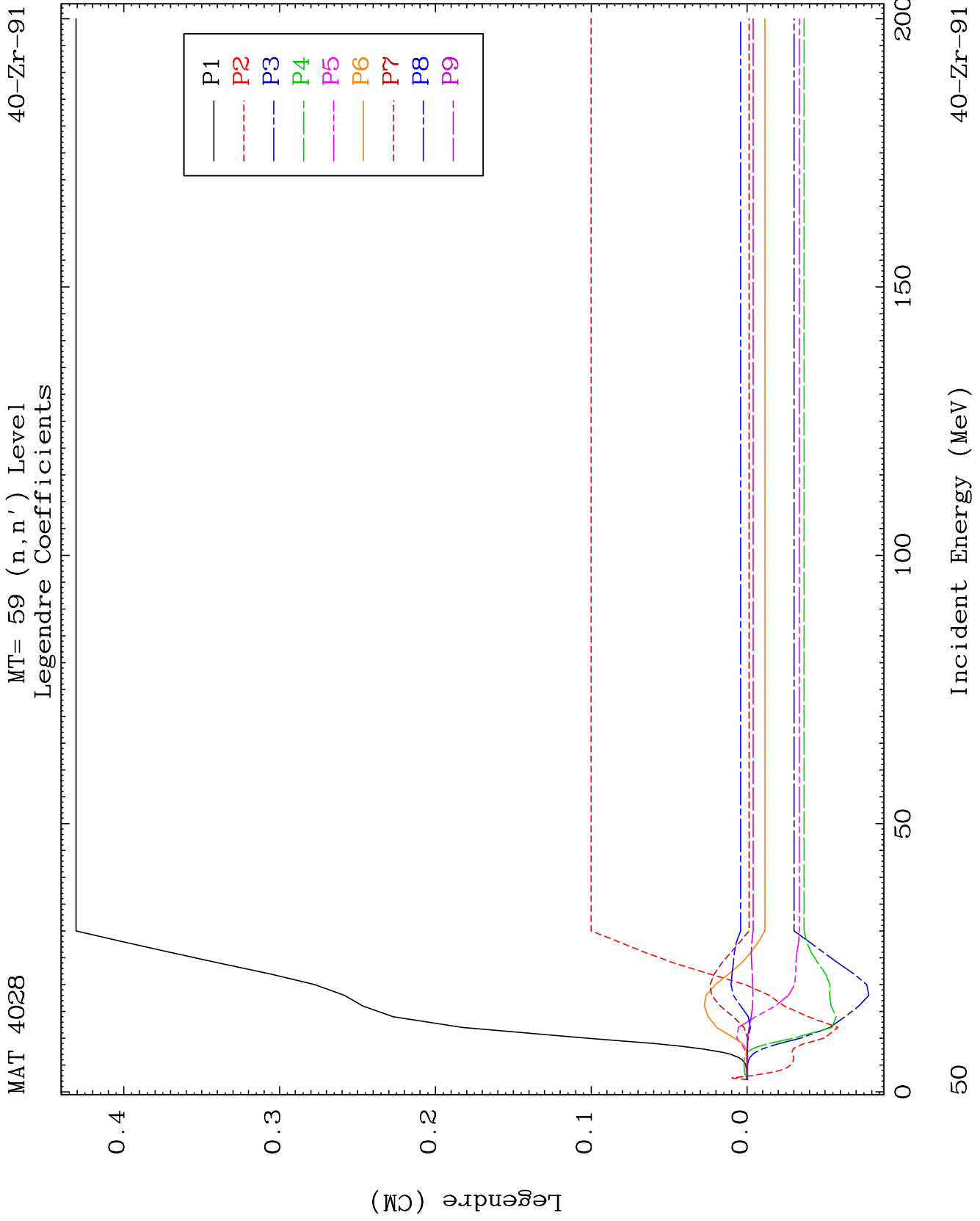
40-Zr-91



49

Incident Energy (MeV)

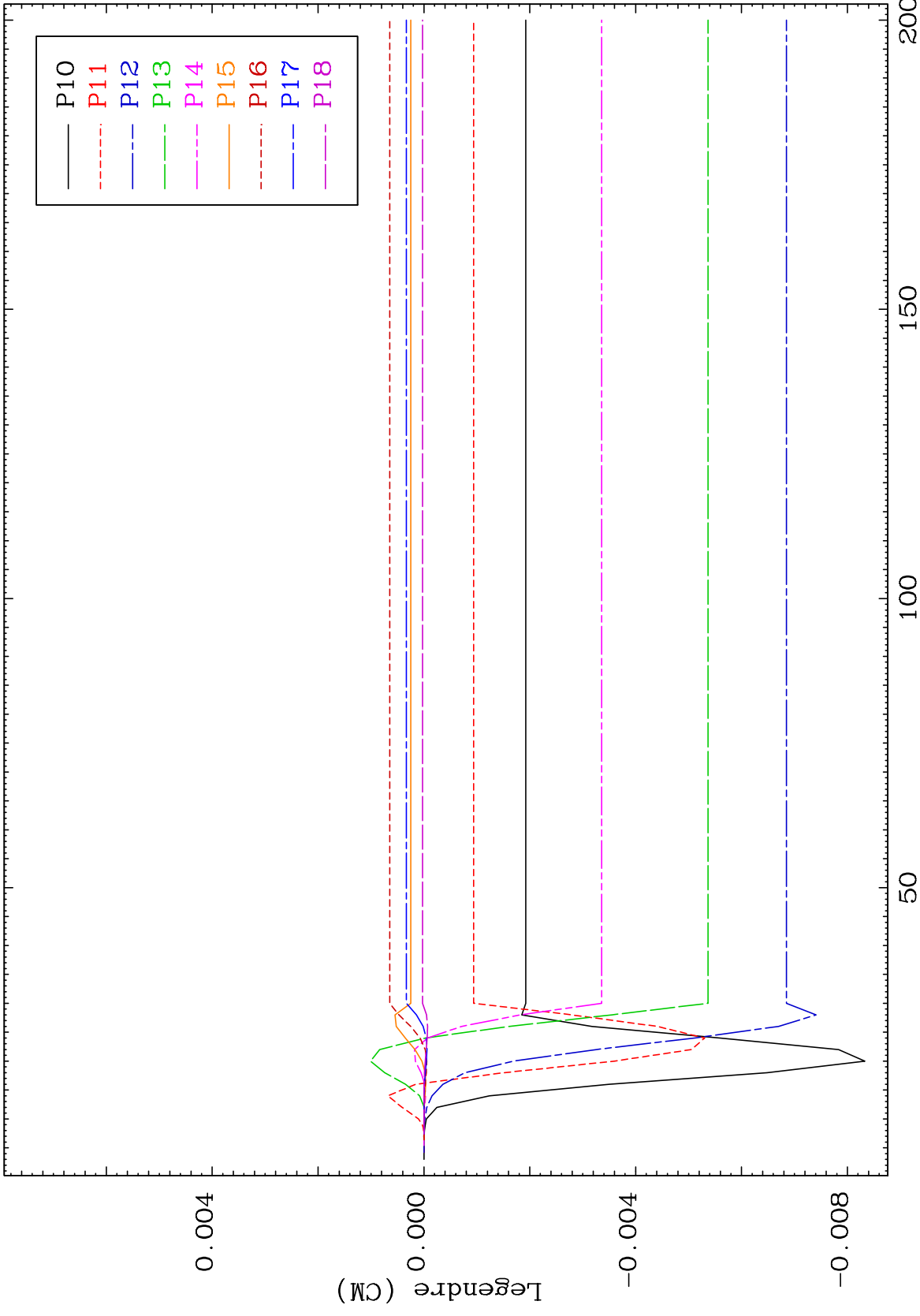
40-Zr-91



MAT 4028

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

40-Zr-91



51

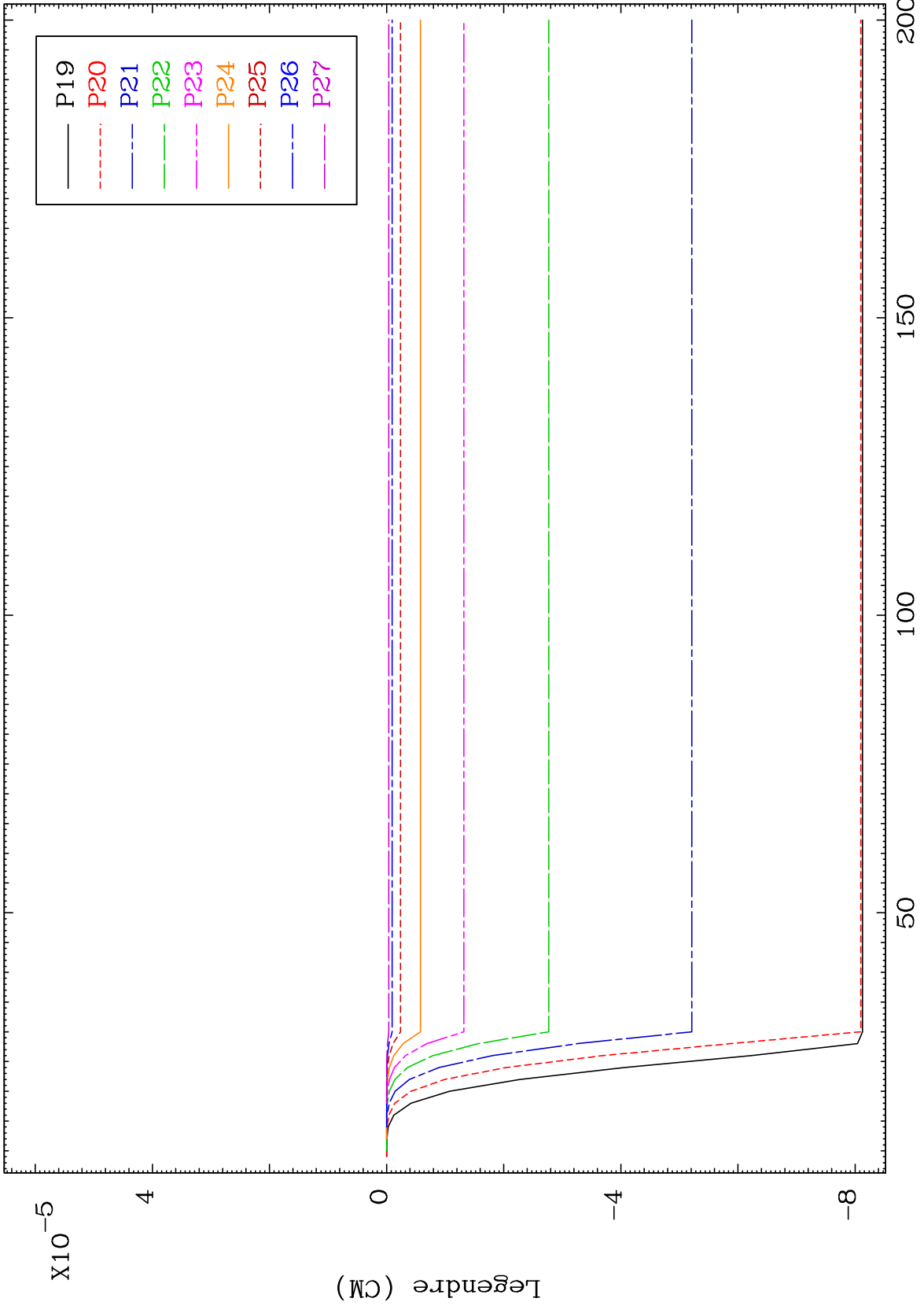
Incident Energy (MeV)

40-Zr-91

MAT 4028

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

40-Zr-91

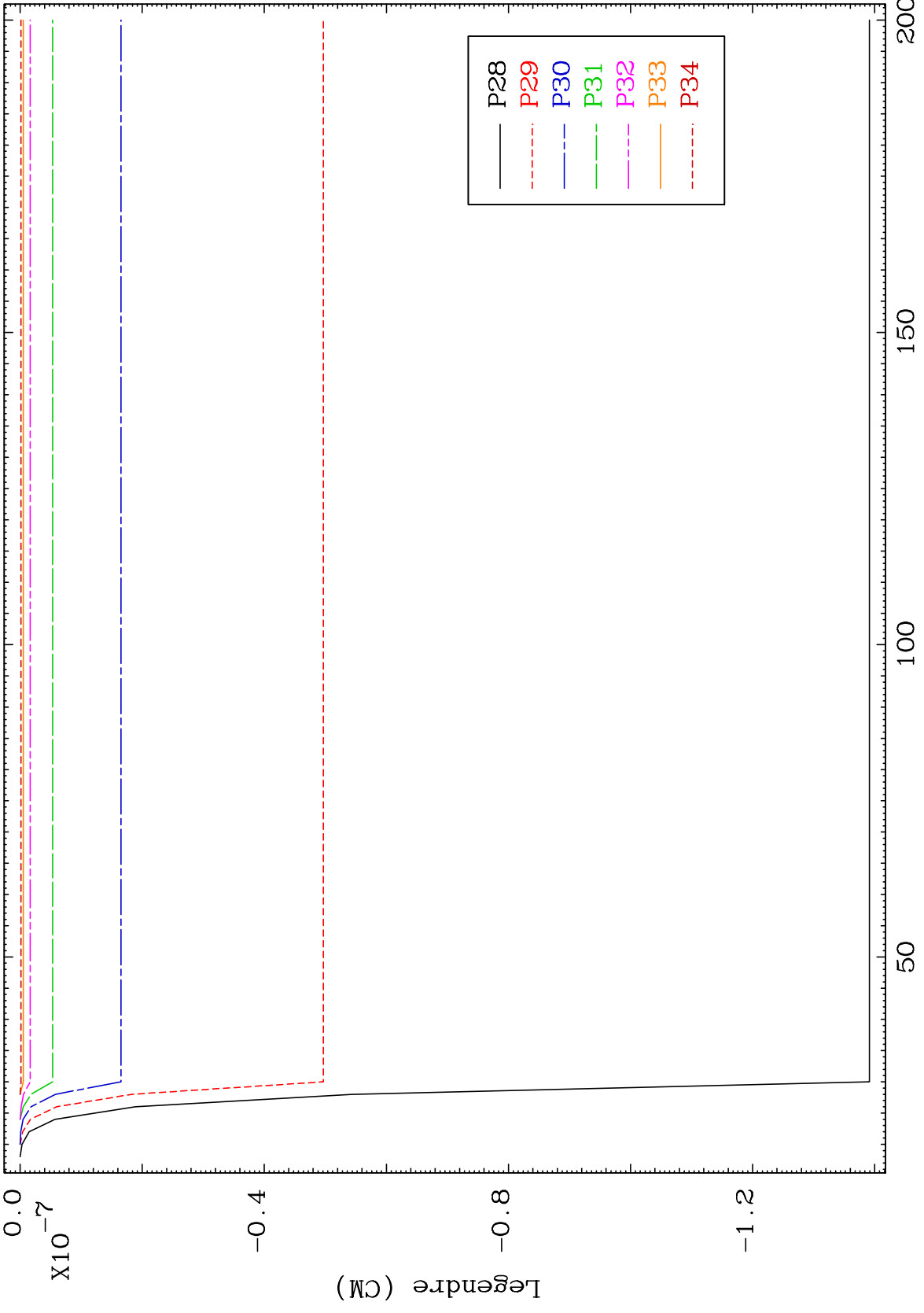


52

Incident Energy (MeV)

40-Zr-91

MAT 4028 MT= 59 (n,n') Level Legendre Coefficients 40-Zr-91

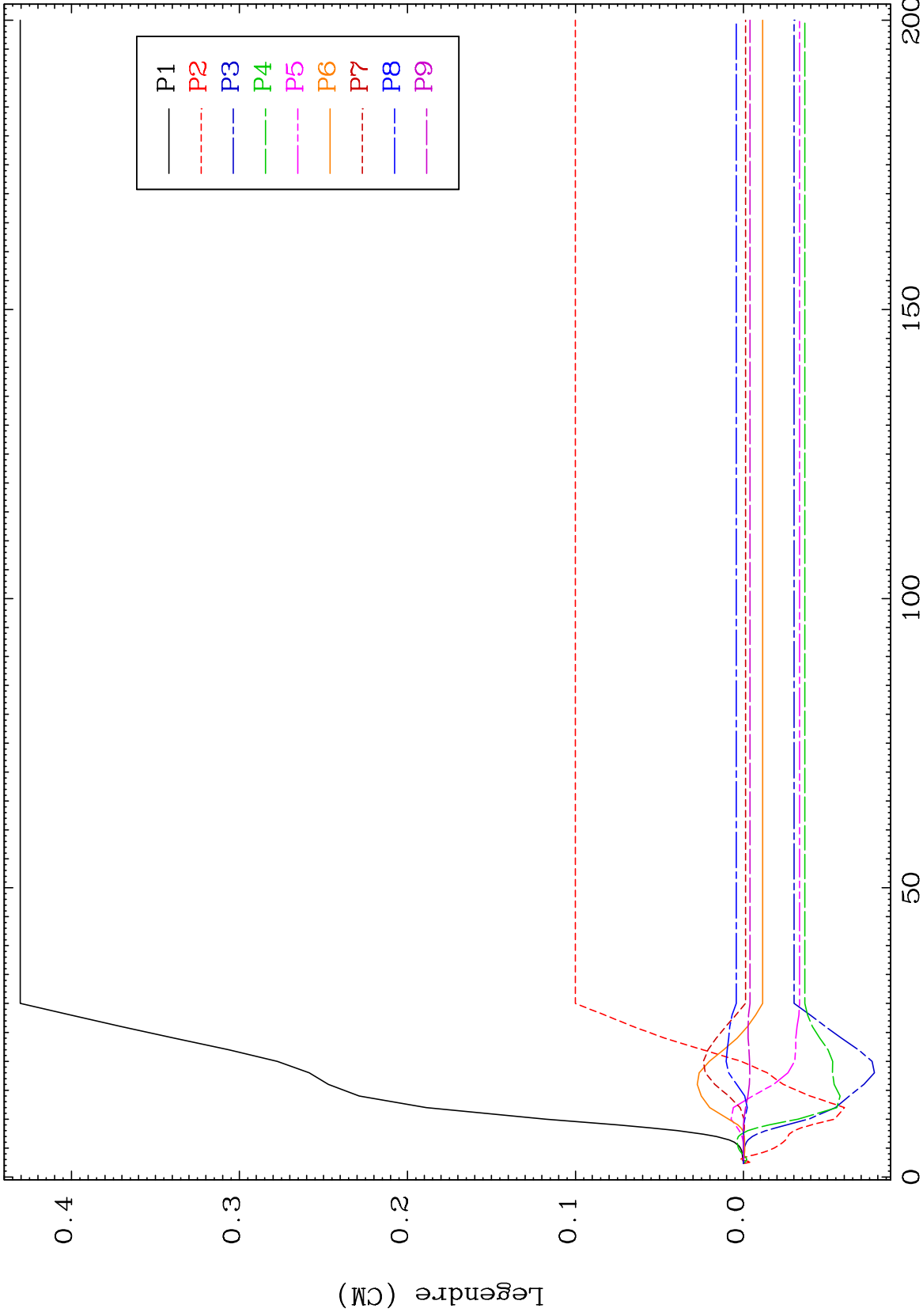


53 Incident Energy (MeV) 40-Zr-91

MAT 4028

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

40-Zr-91



54

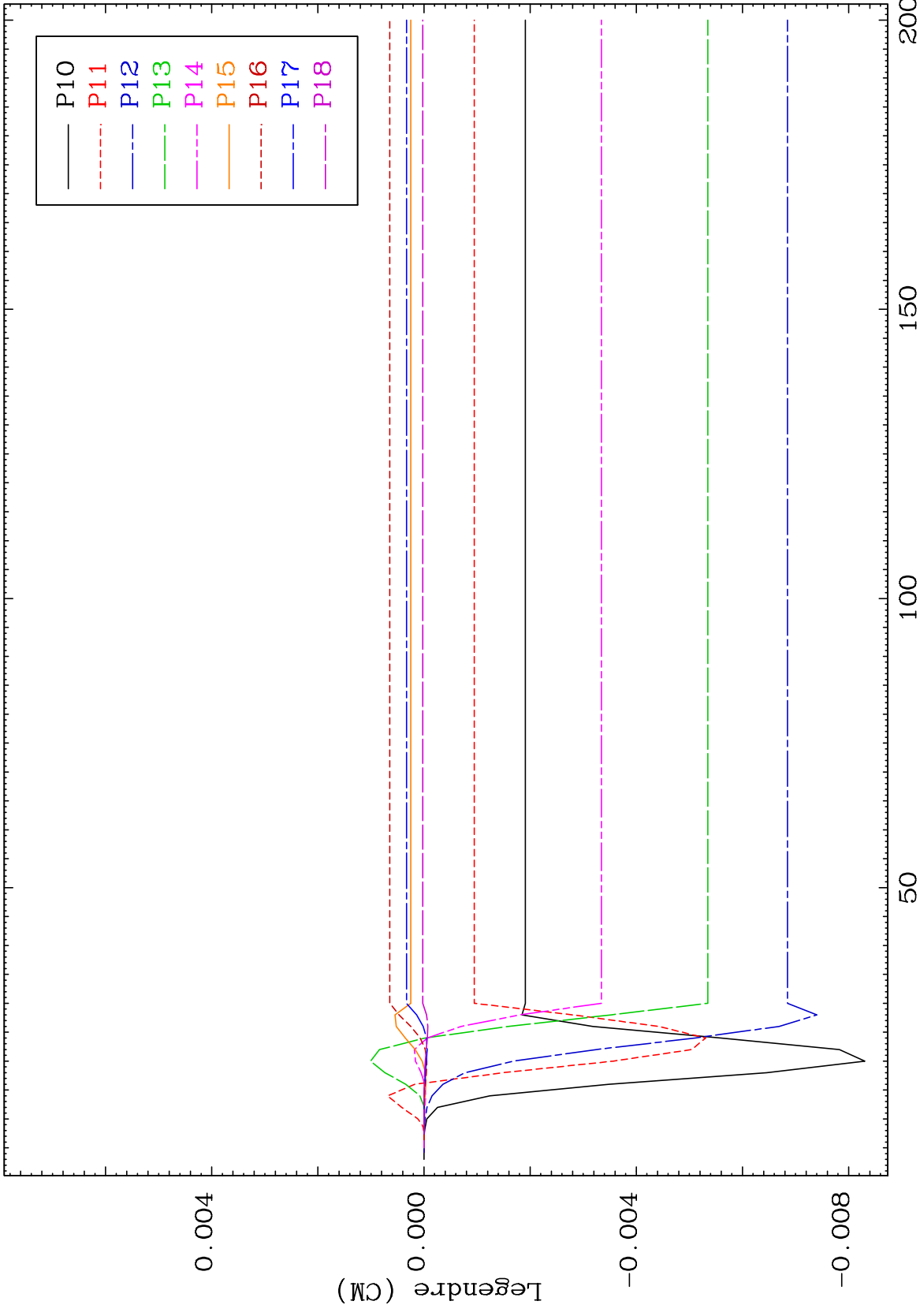
Incident Energy (MeV)

40-Zr-91

MAT 4028

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

40-Zr-91



55

Incident Energy (MeV)

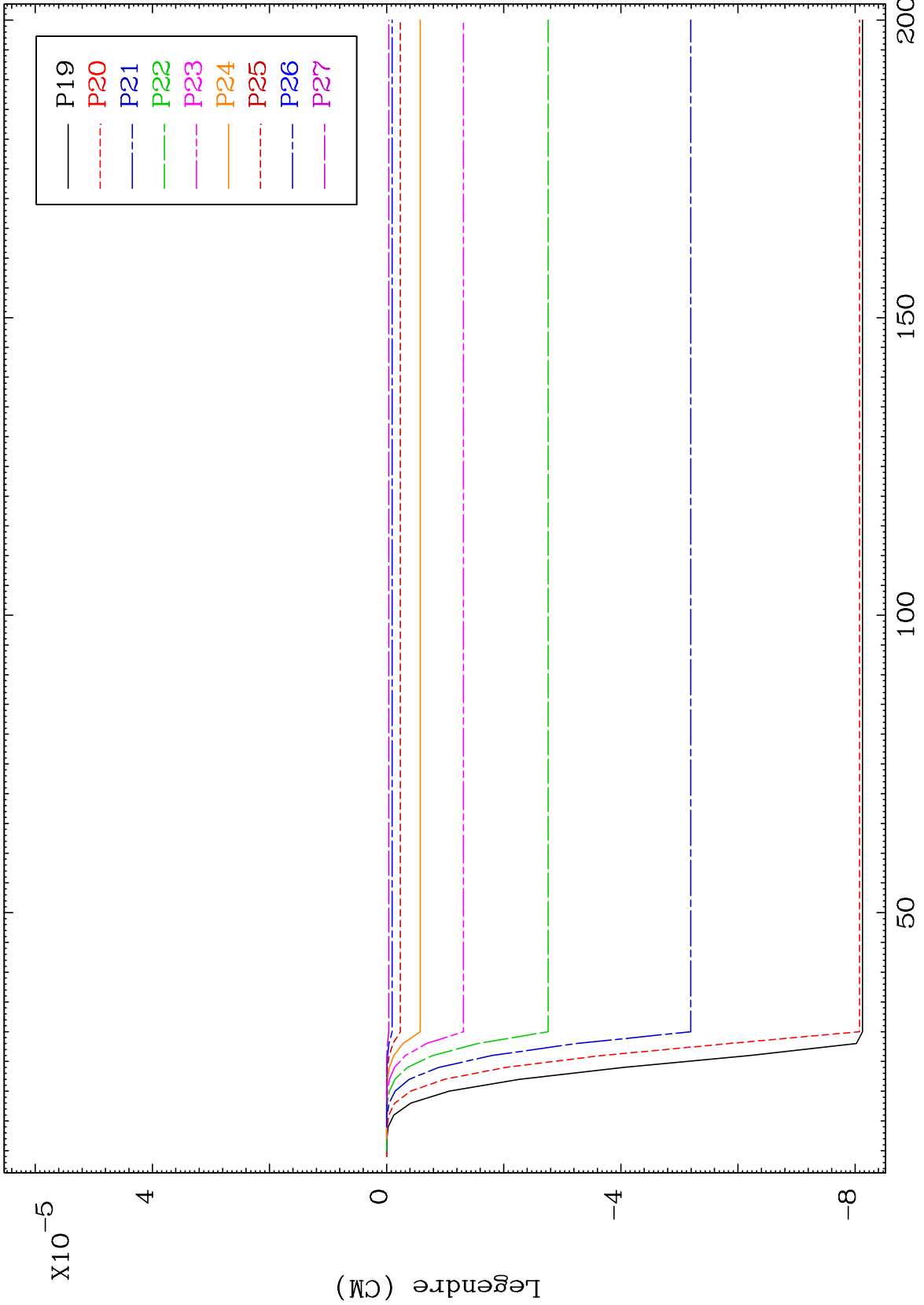
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MAT 4028

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

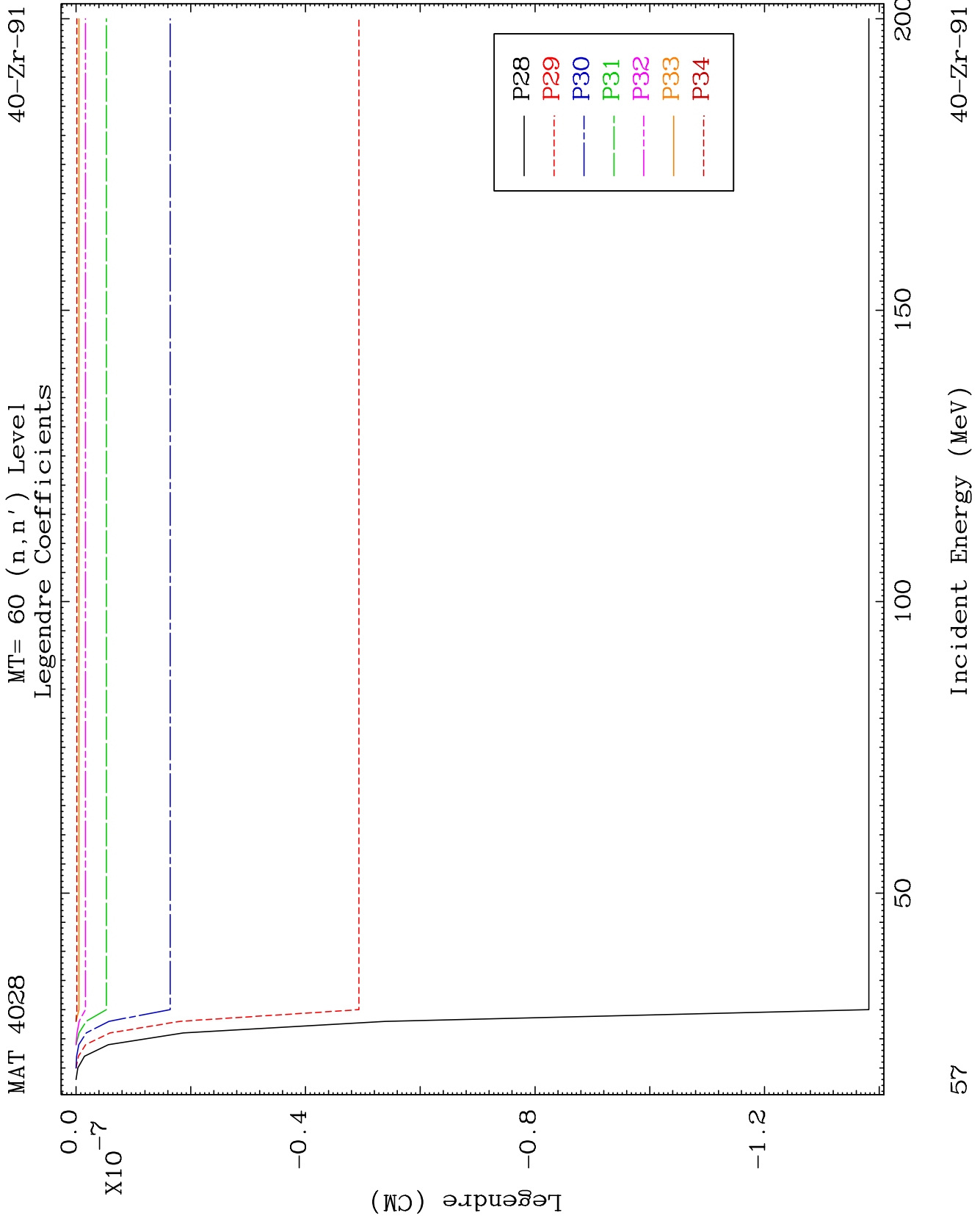
40-Zr-91



56

Incident Energy (MeV)

40-Zr-91

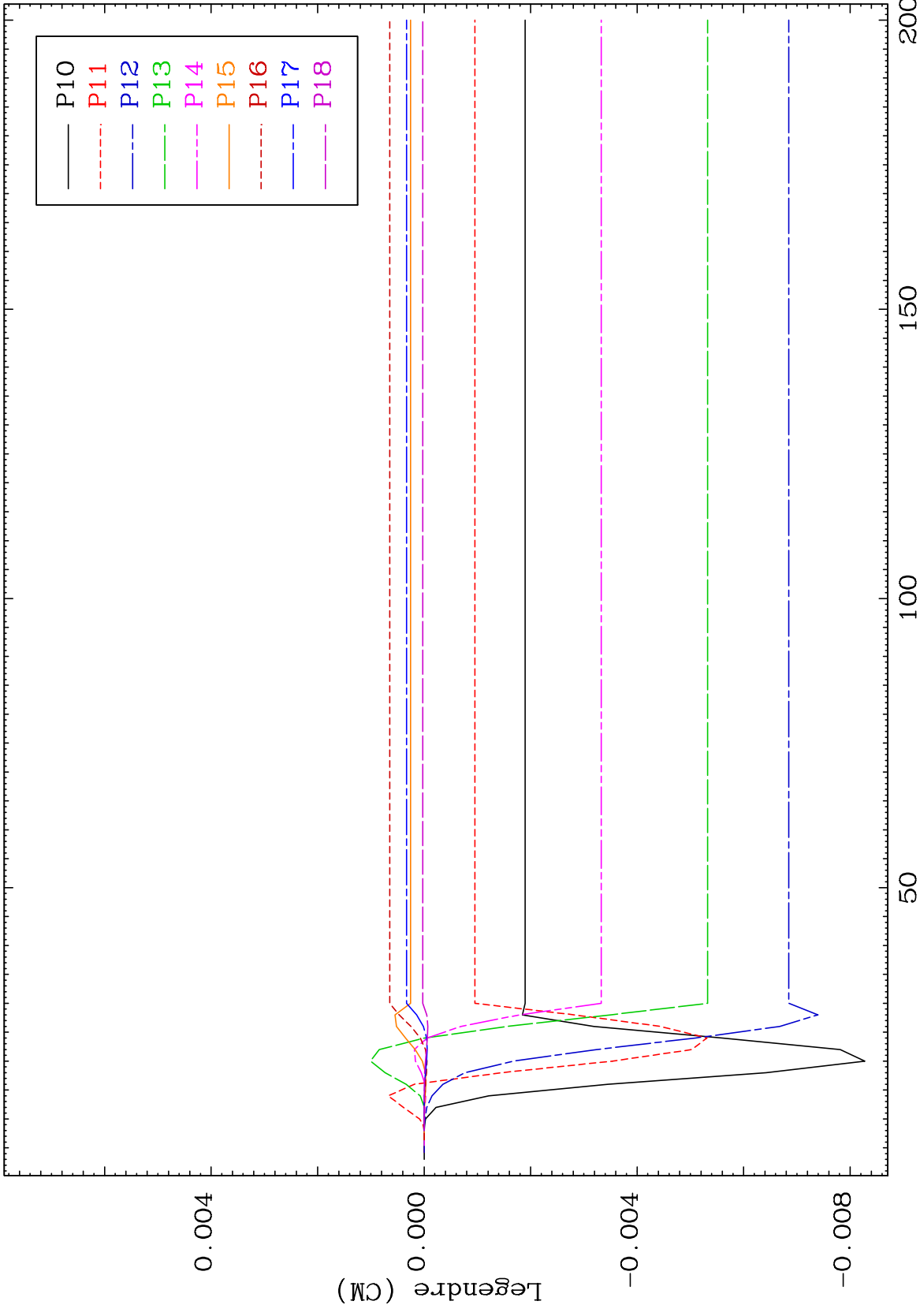




MAT 4028

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

40-Zr-91



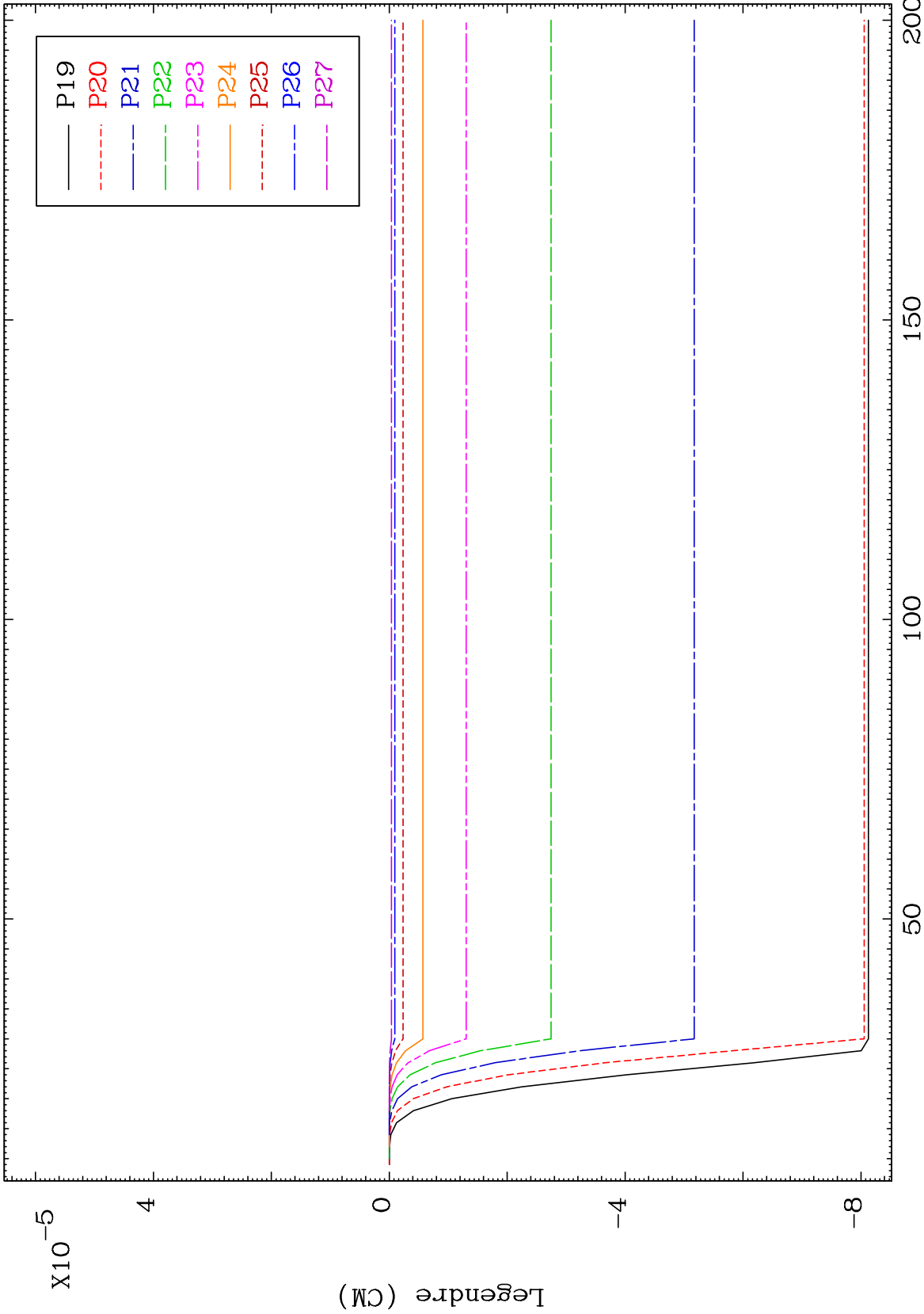
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40-Zr-91

MAT 4028

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

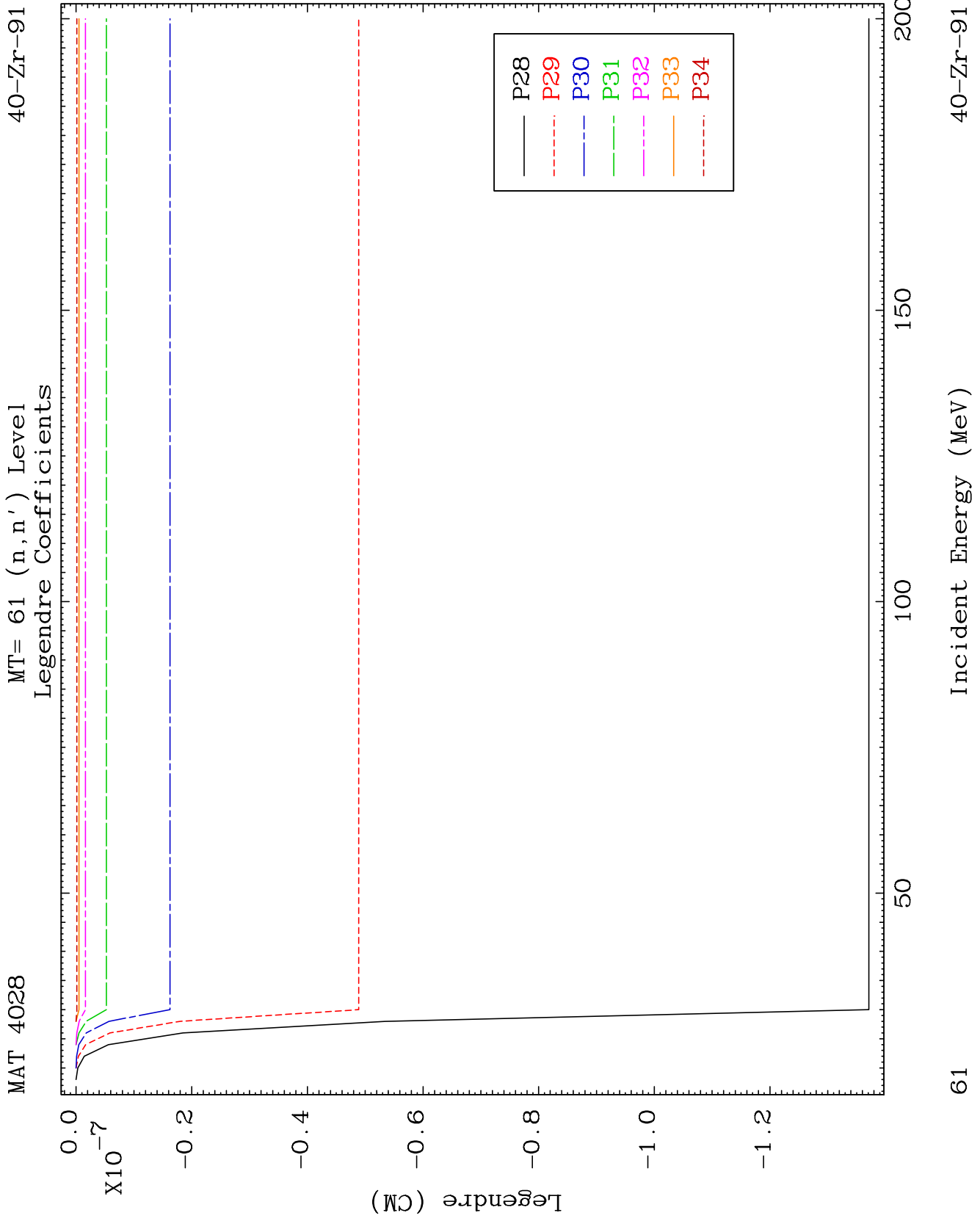
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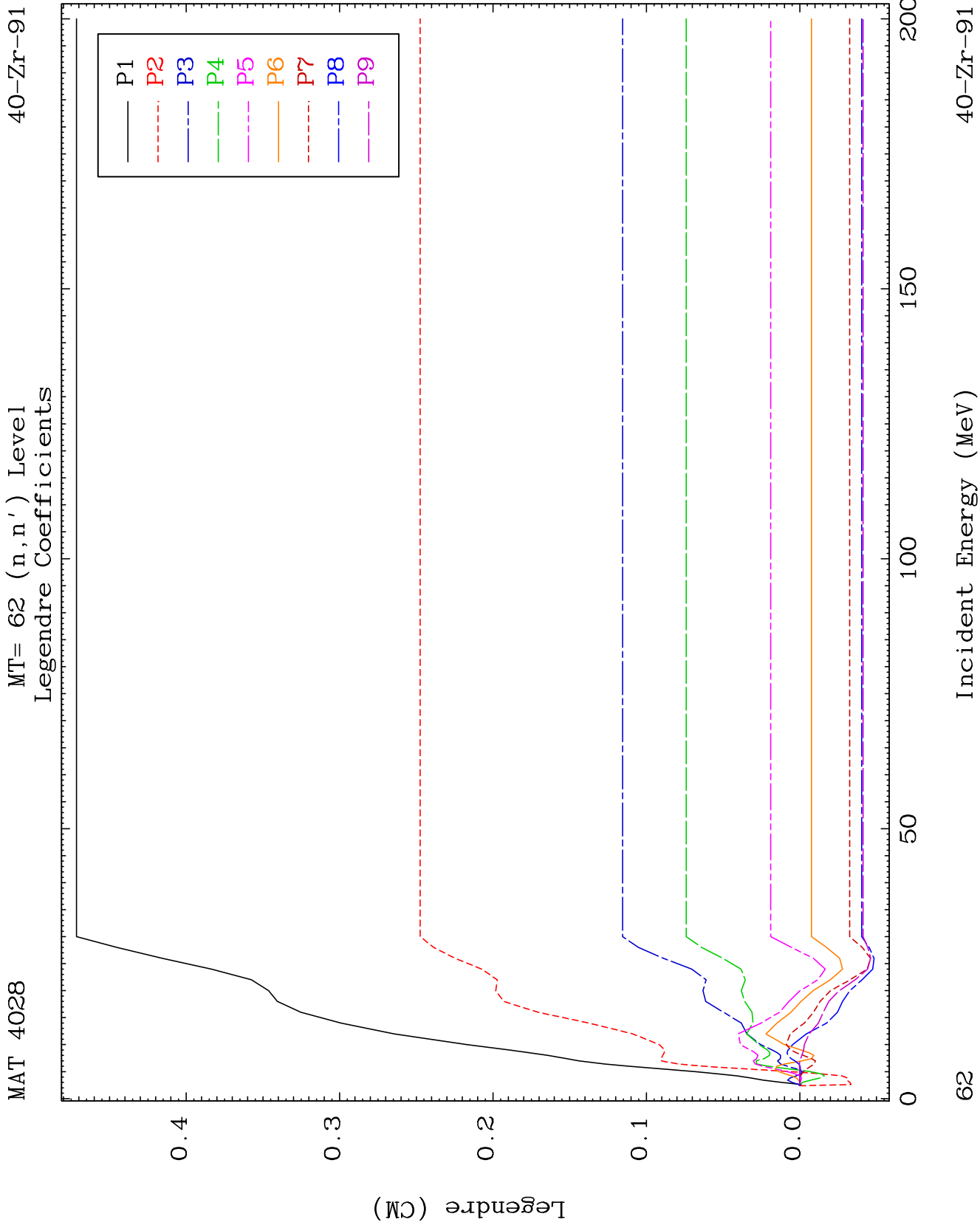


60

Incident Energy (MeV)

40-Zr-91

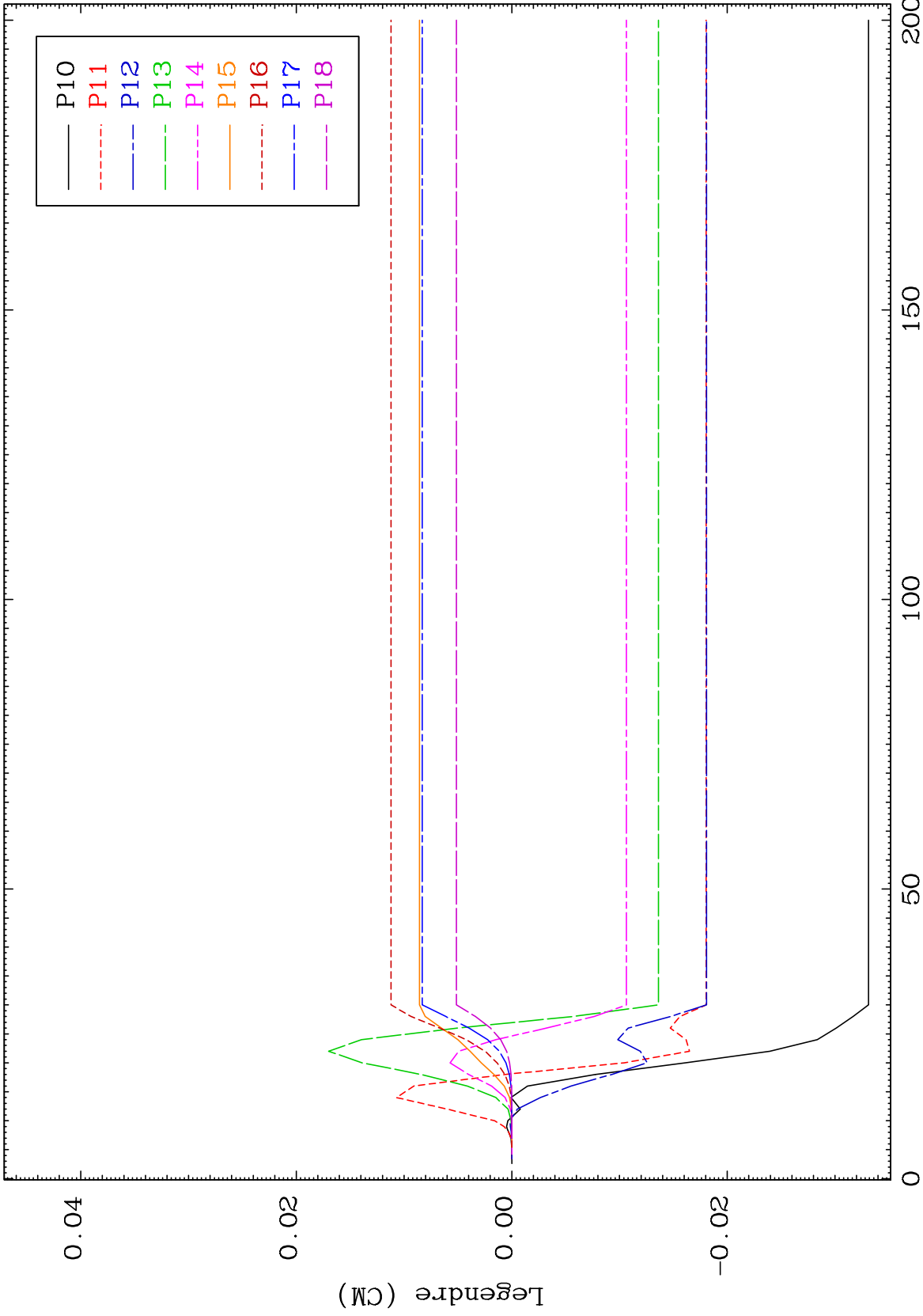




MAT 4028

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

40-Zr-91



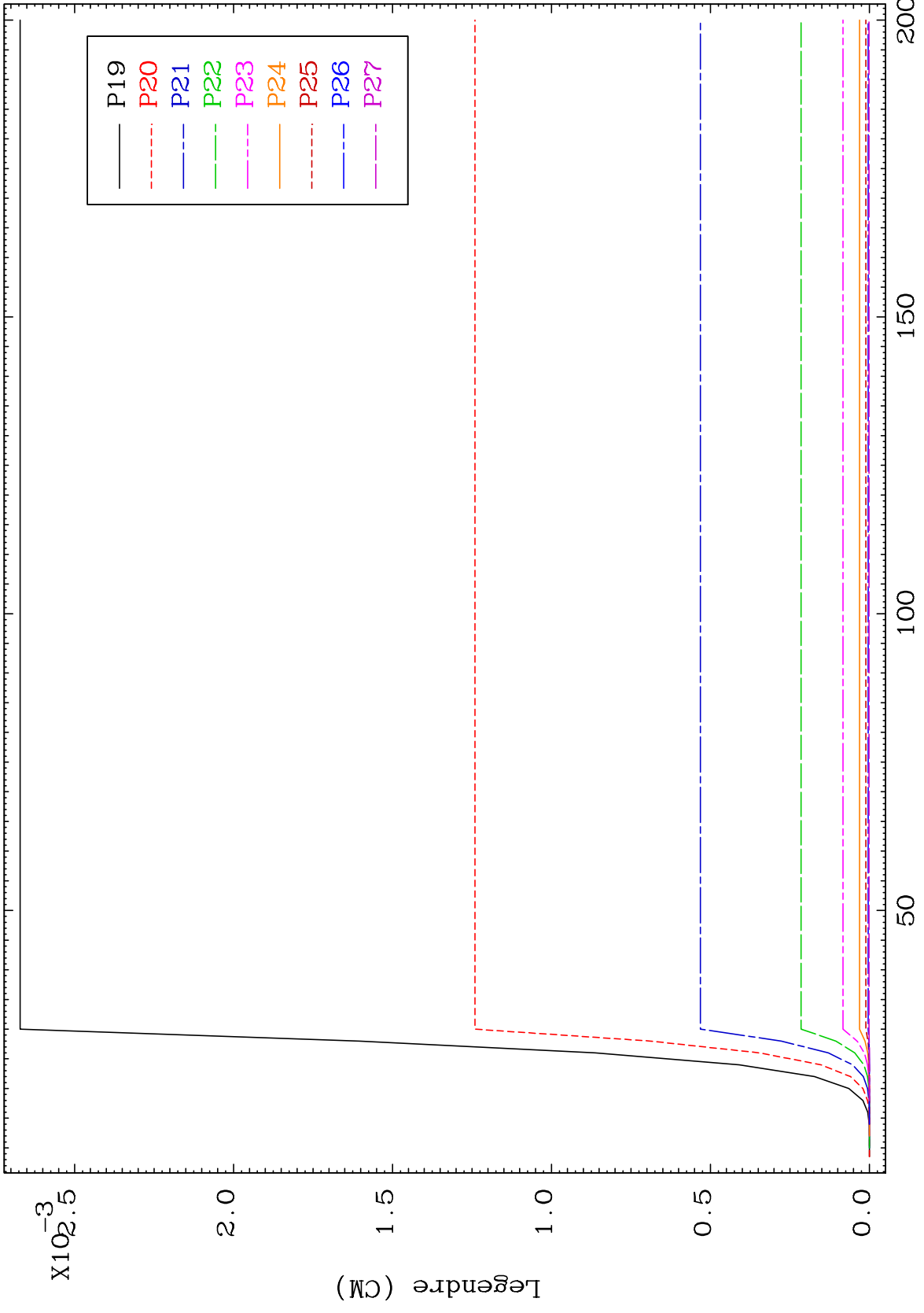
63

Incident Energy (MeV)

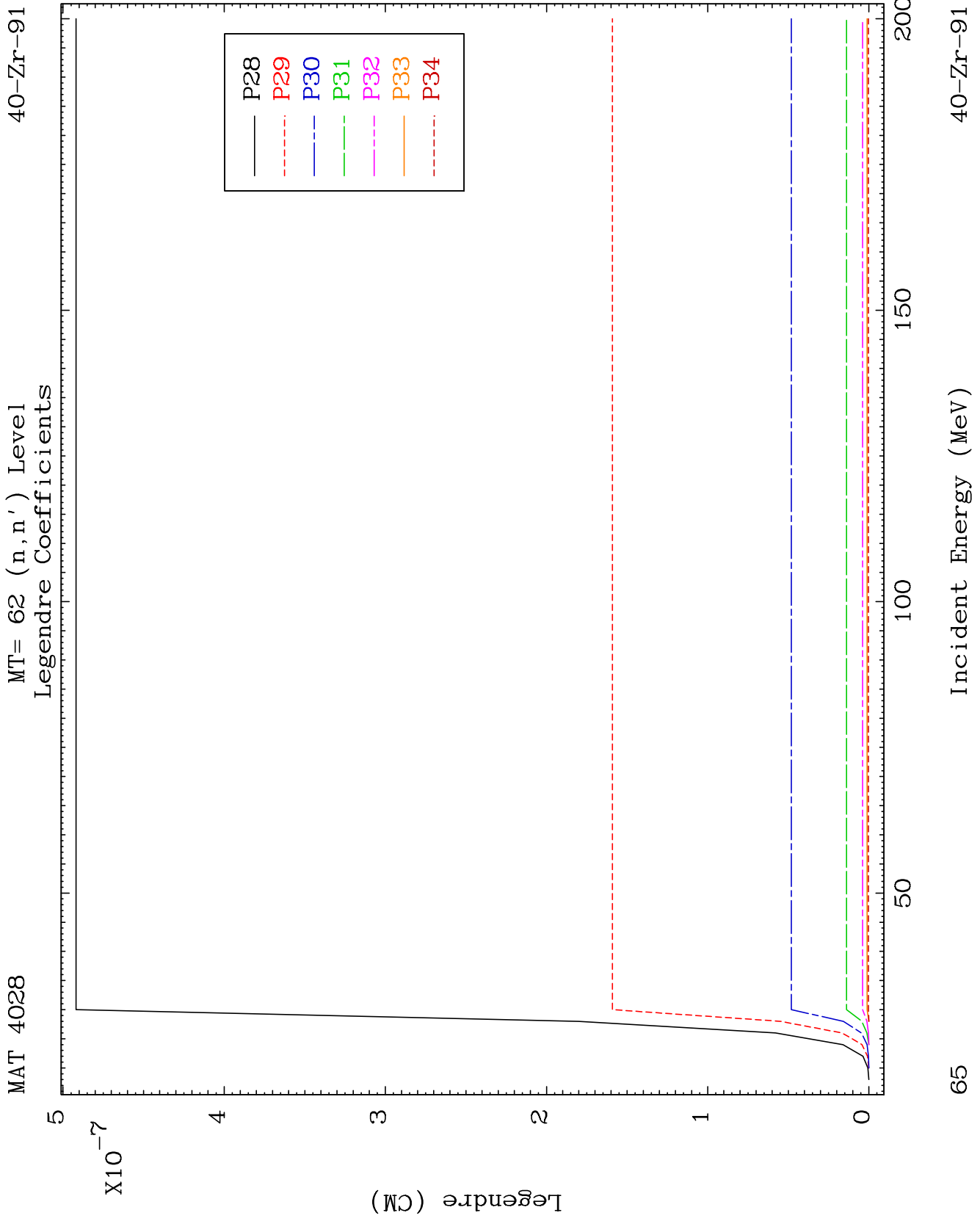
40-Zr-91



MAT 4028 MT= 62 (n,n') Level Legendre Coefficients 40-Zr-91



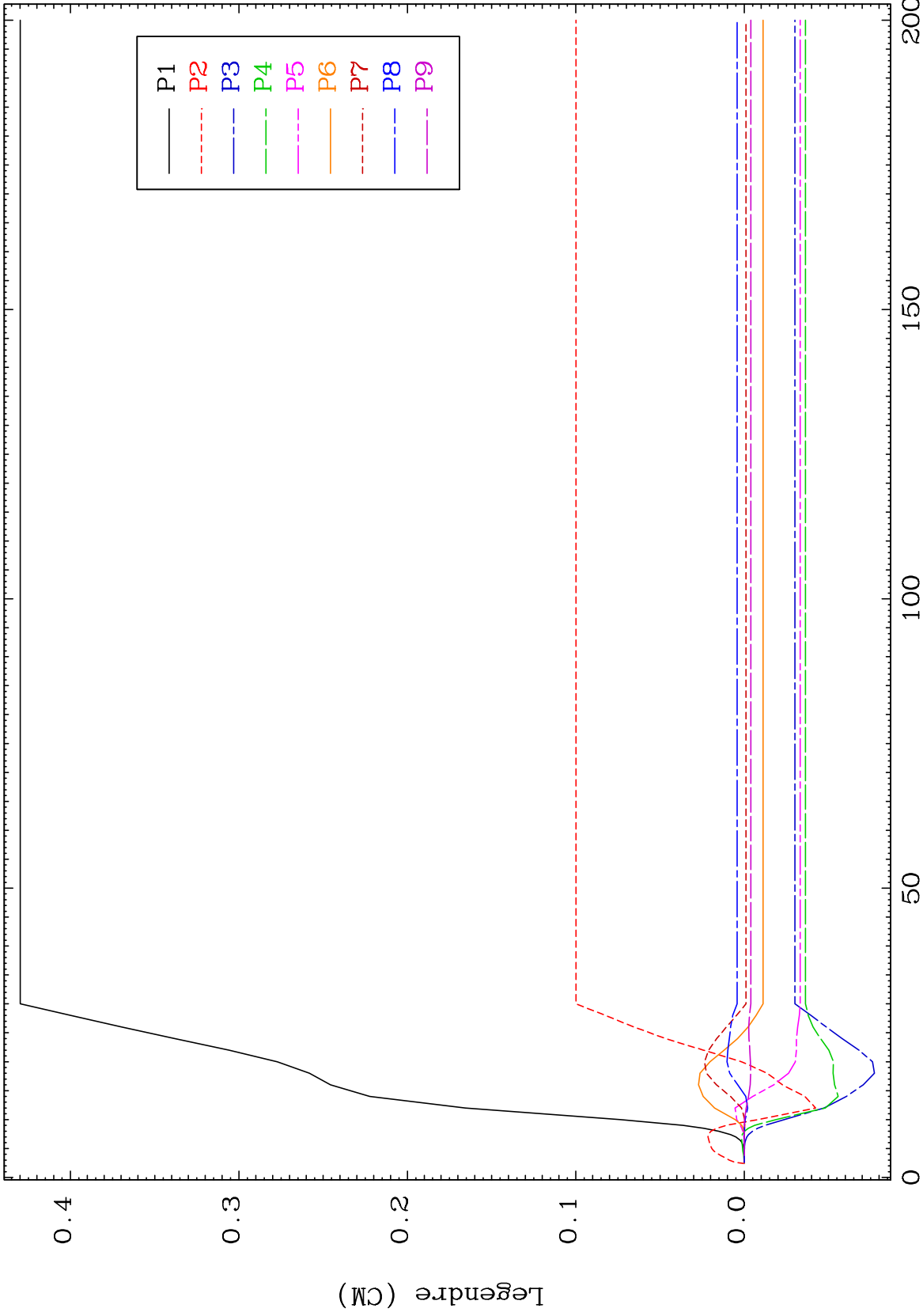
64 Incident Energy (MeV) 40-Zr-91



MAT 4028

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

40-Zr-91



66

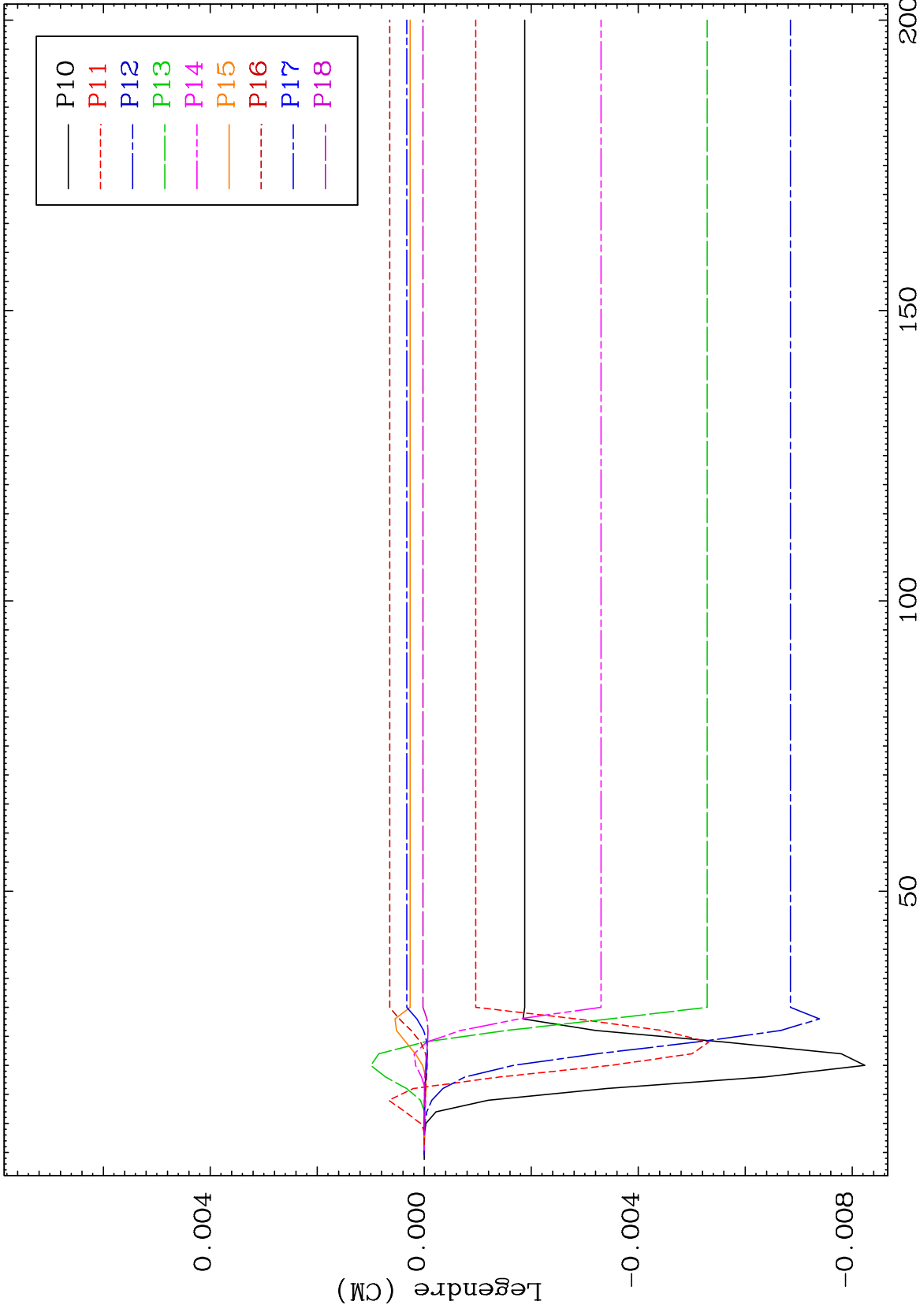
Incident Energy (MeV)

40-Zr-91

MAT 4028

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

40-Zr-91



67

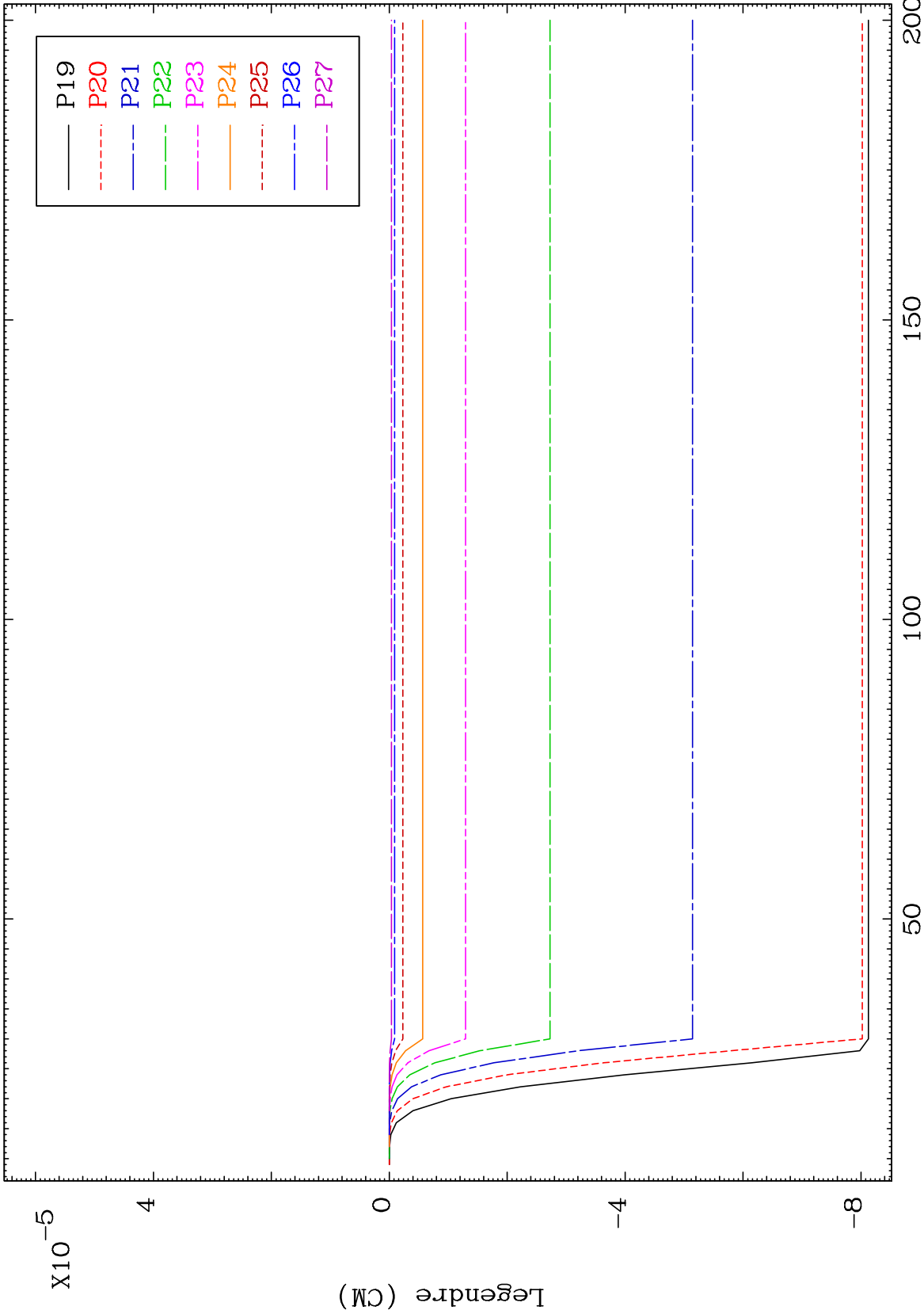
Incident Energy (MeV)

40-Zr-91

MAT 4028

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

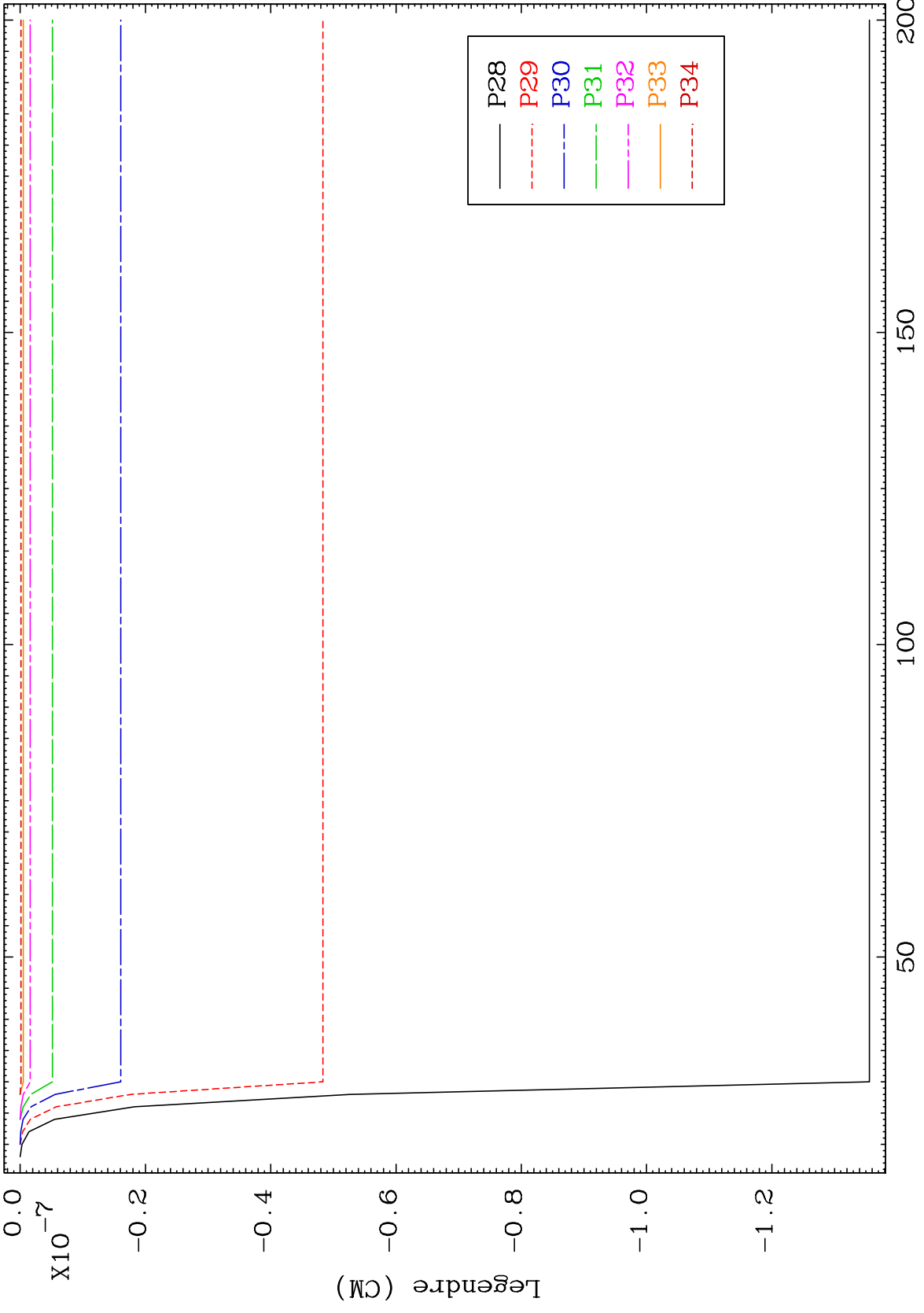
40-Zr-91



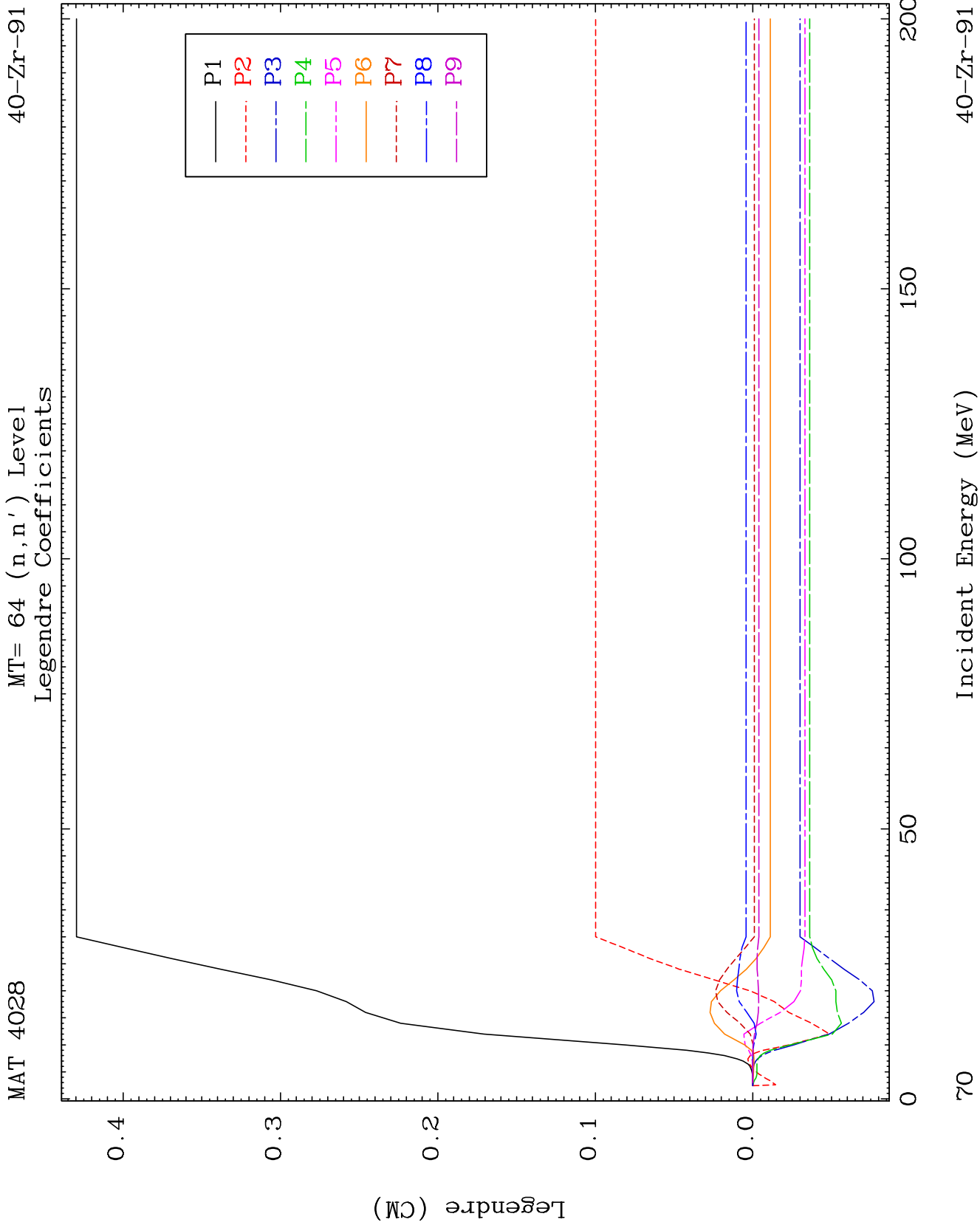
68

40-Zr-91

MAT 4028 MT= 63 (n,n') Level Legendre Coefficients 40-Zr-91



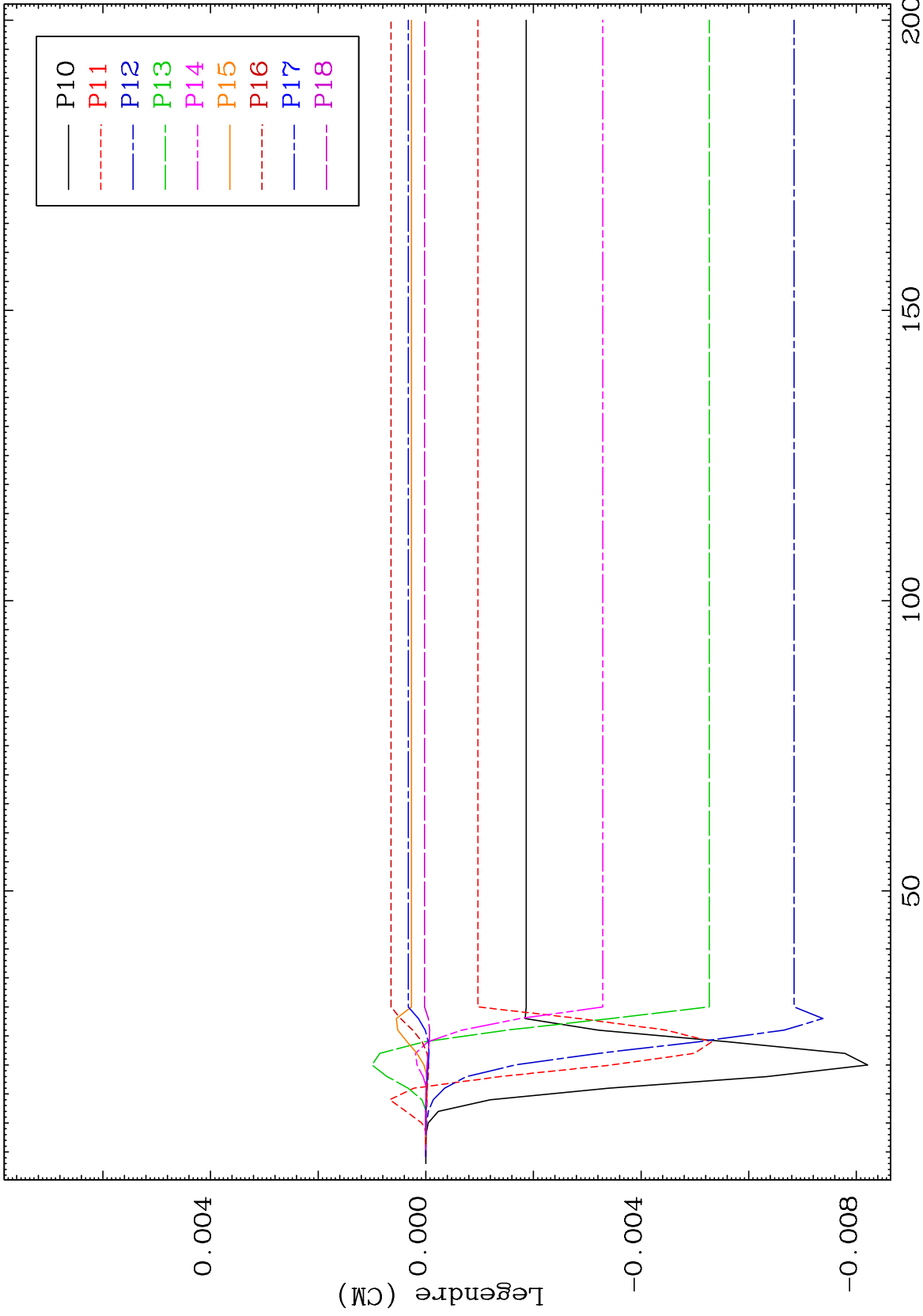
69 40-Zr-91



MAT 4028

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

40-Zr-91



71

Incident Energy (MeV)

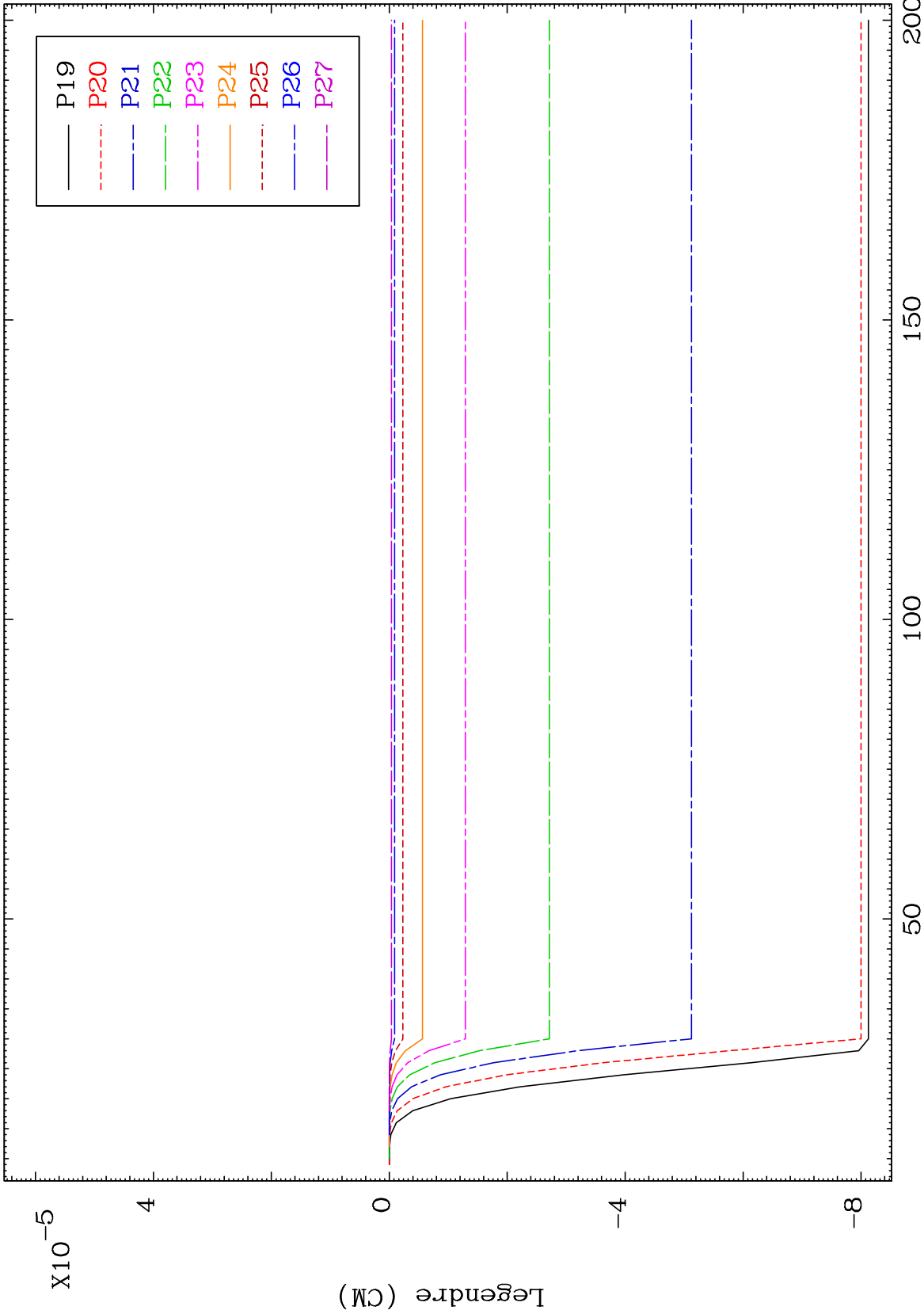
40-Zr-91



MAT 4028

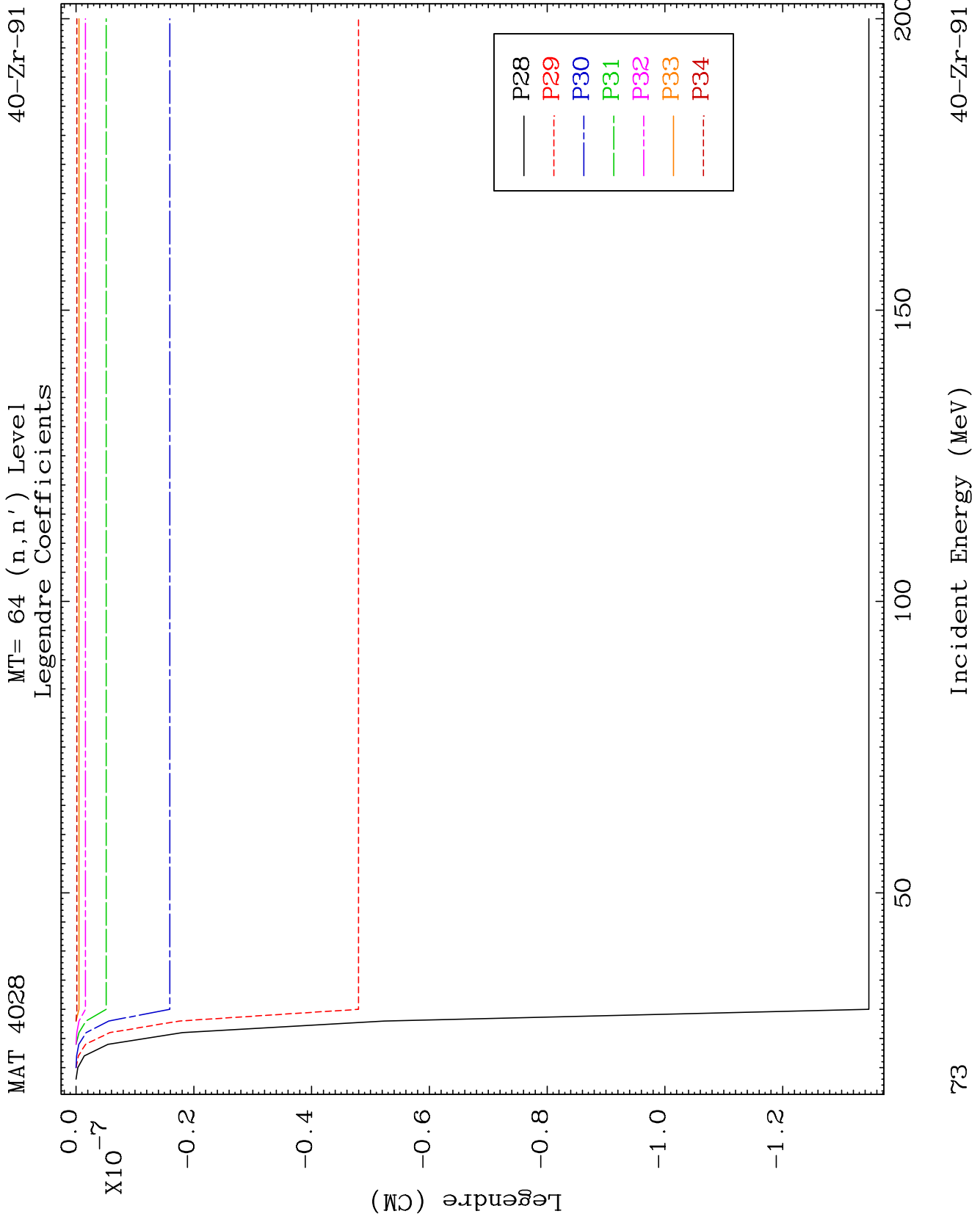
MT= 64 (n,n') Level  
Legendre Coefficients

40-Zr-91

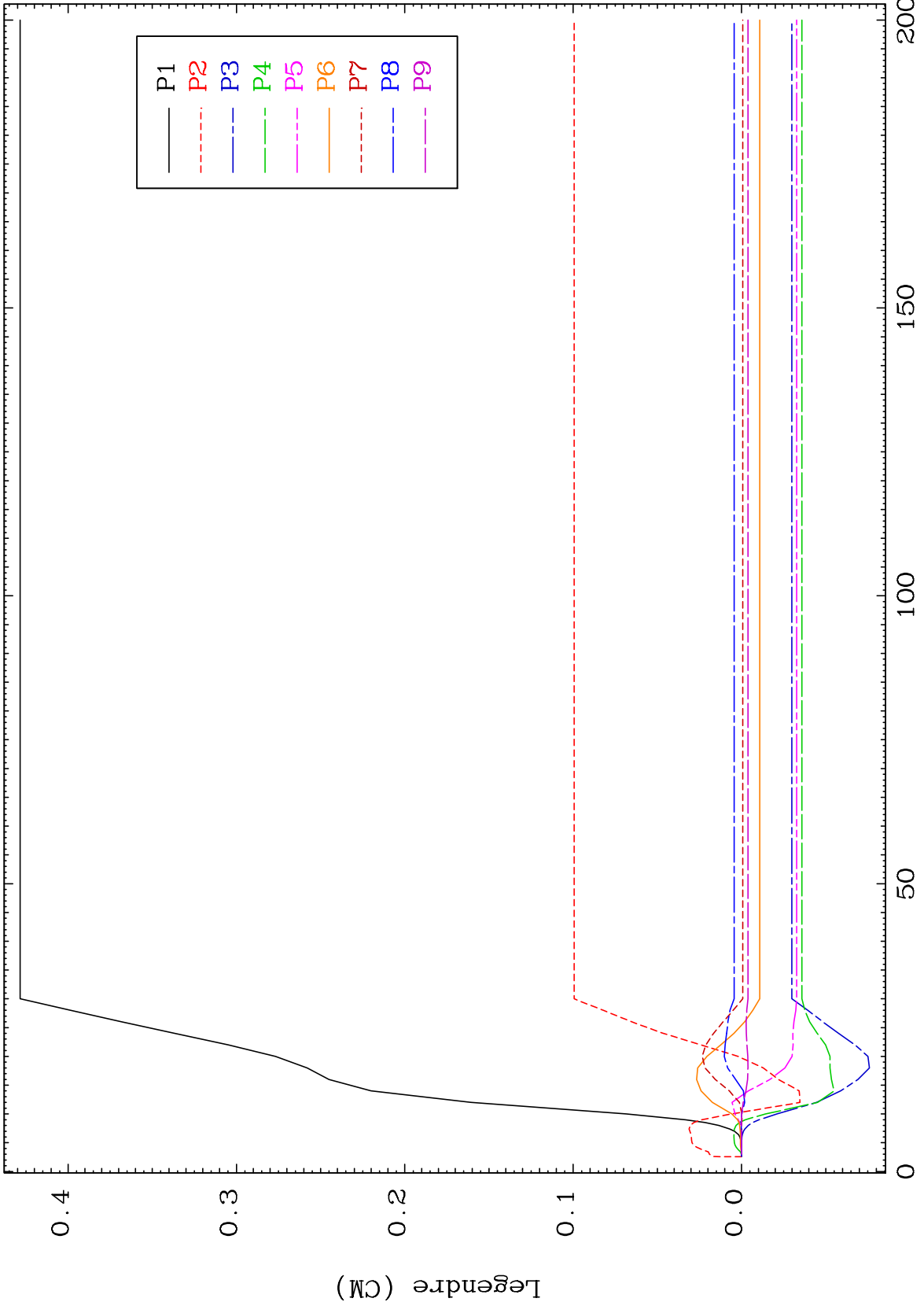


72

40-Zr-91



MAT 4028 MT= 65 (n,n') Level Legendre Coefficients 40-Zr-91

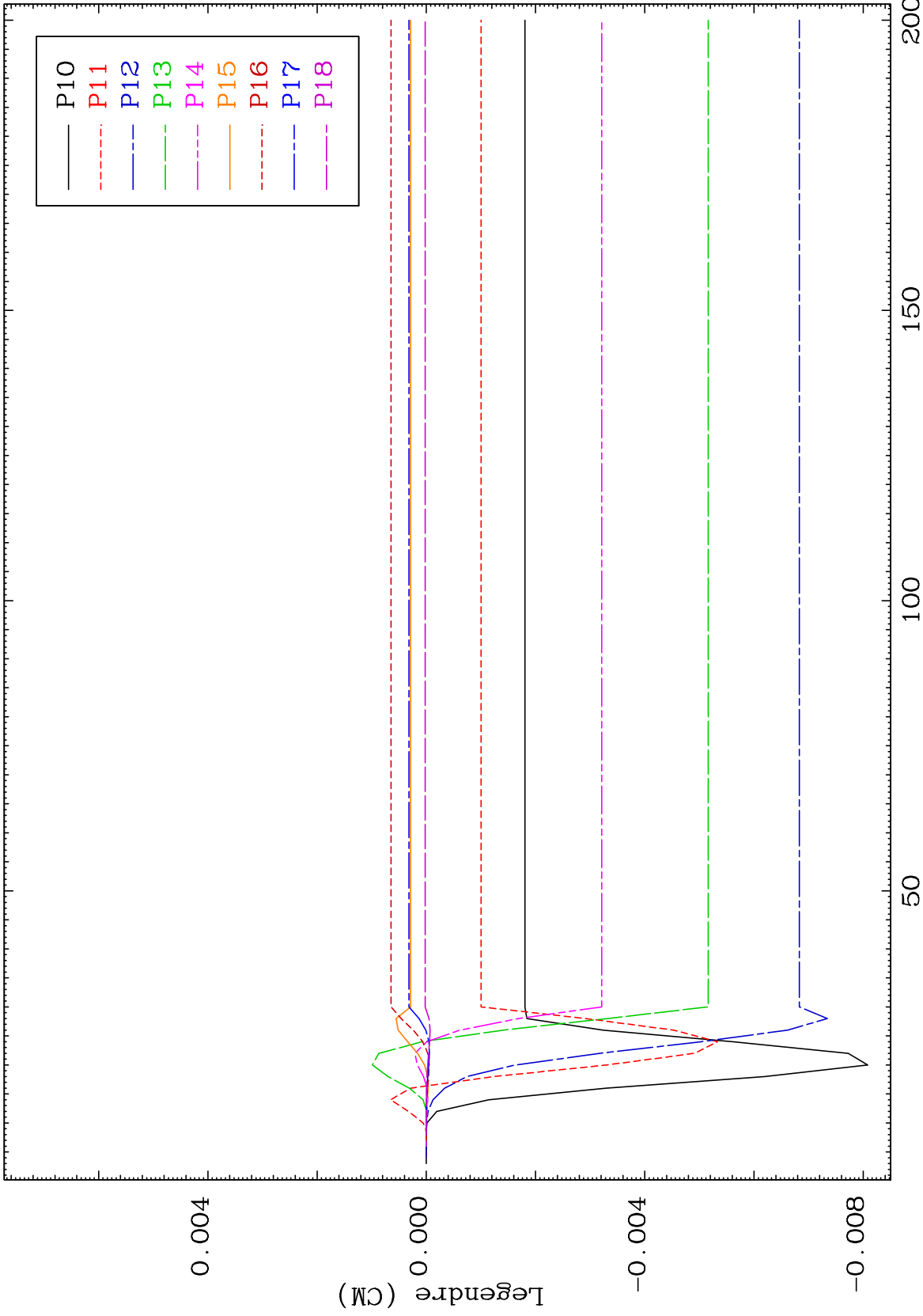


74 Incident Energy (MeV) 40-Zr-91

MAT 4028

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

40-Zr-91



75

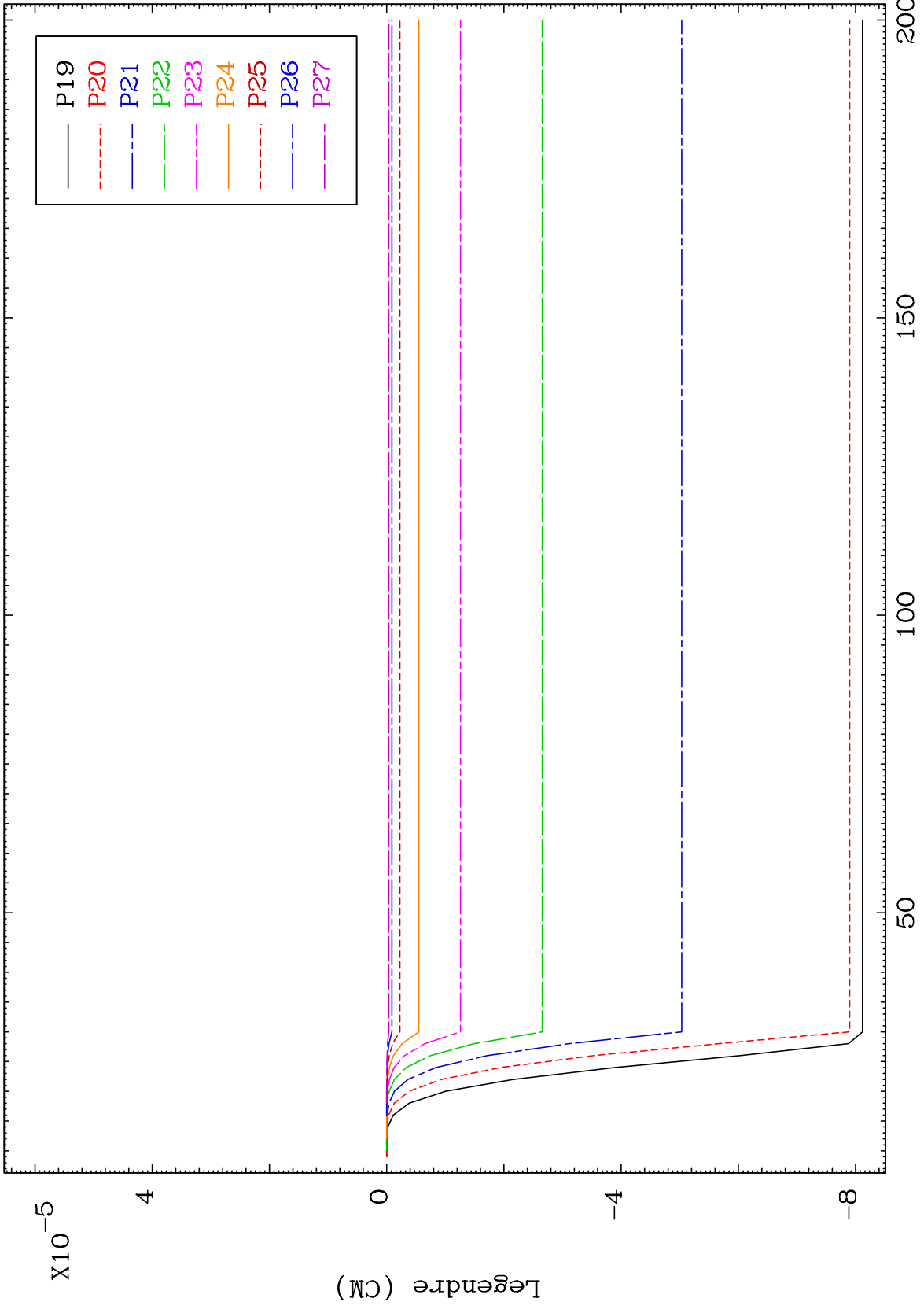
Incident Energy (MeV)

40-Zr-91

MAT 4028

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

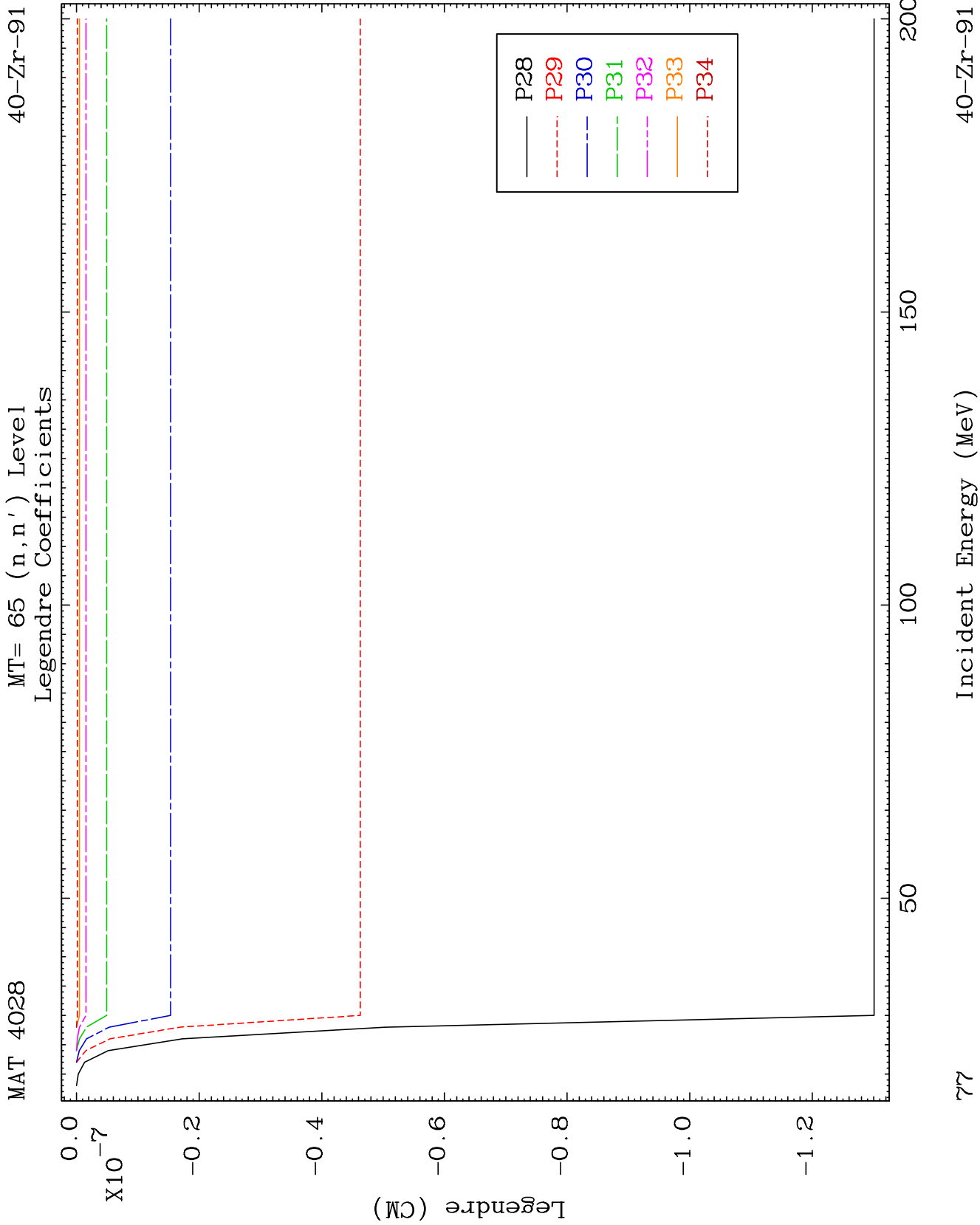
40-Zr-91



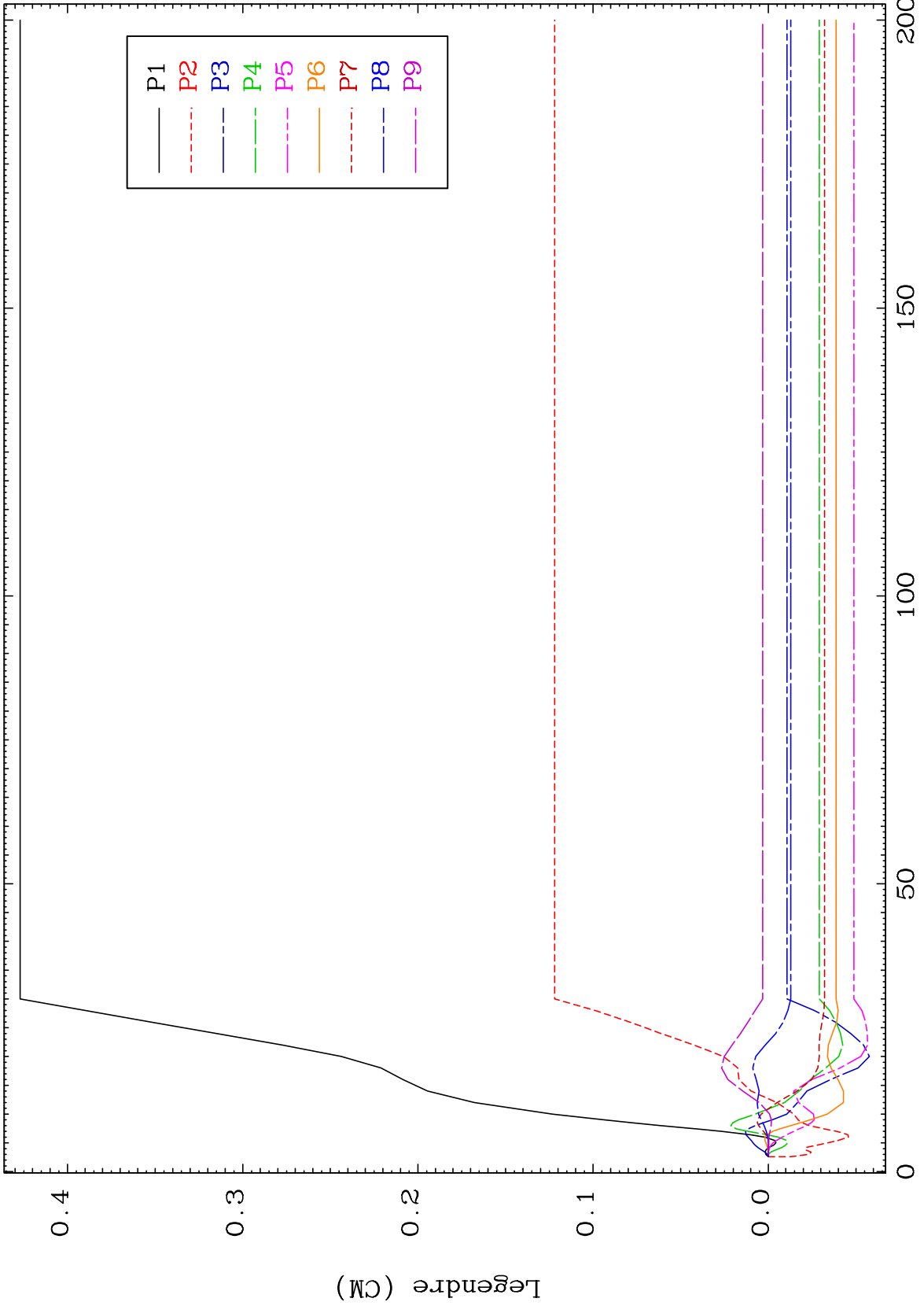
76

Incident Energy (MeV)

40-Zr-91



MAT 4028 MT= 66 (n,n') Level Legendre Coefficients 40-Zr-91

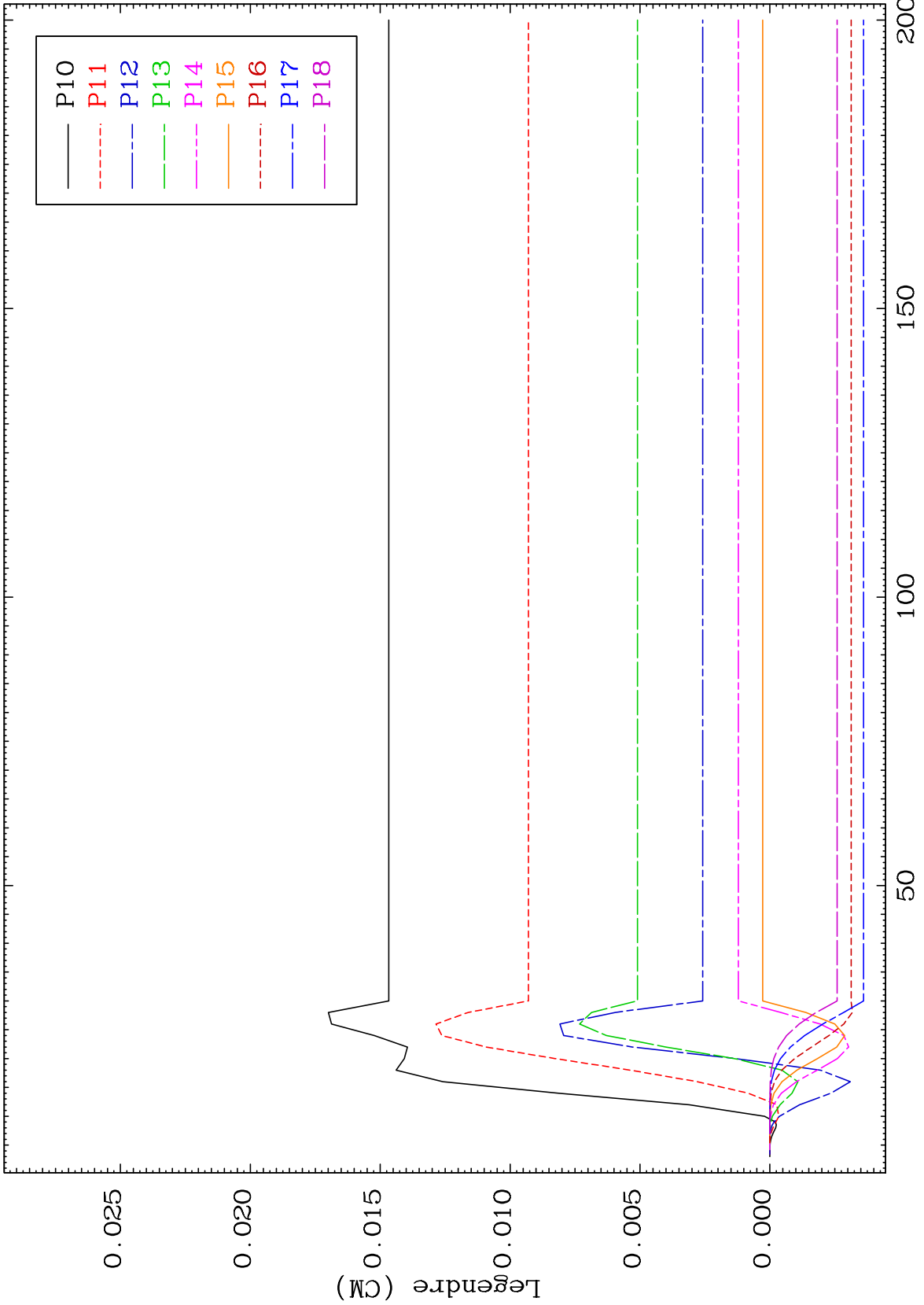


78 Incident Energy (MeV) 40-Zr-91

MAT 4028

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

40-Zr-91

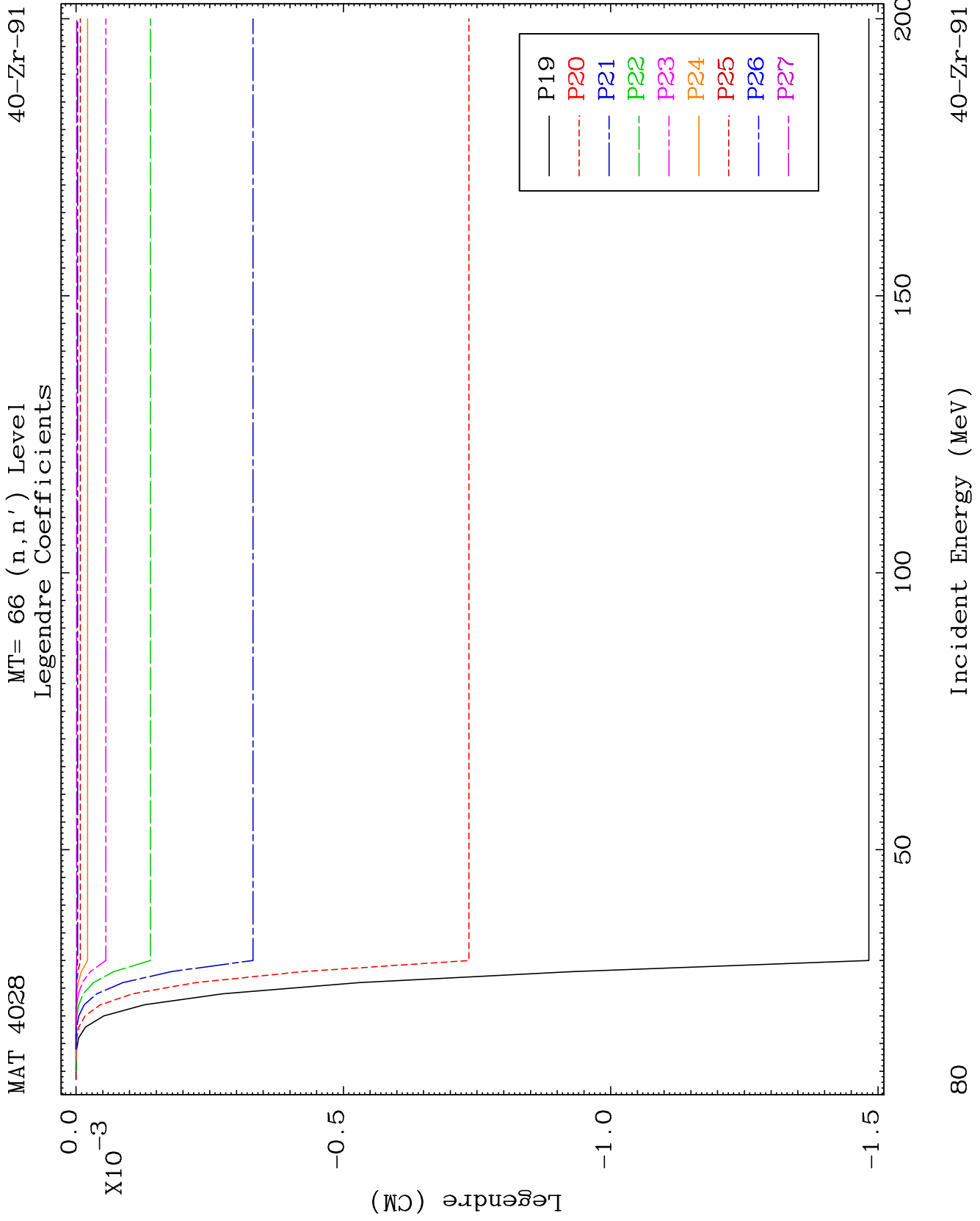


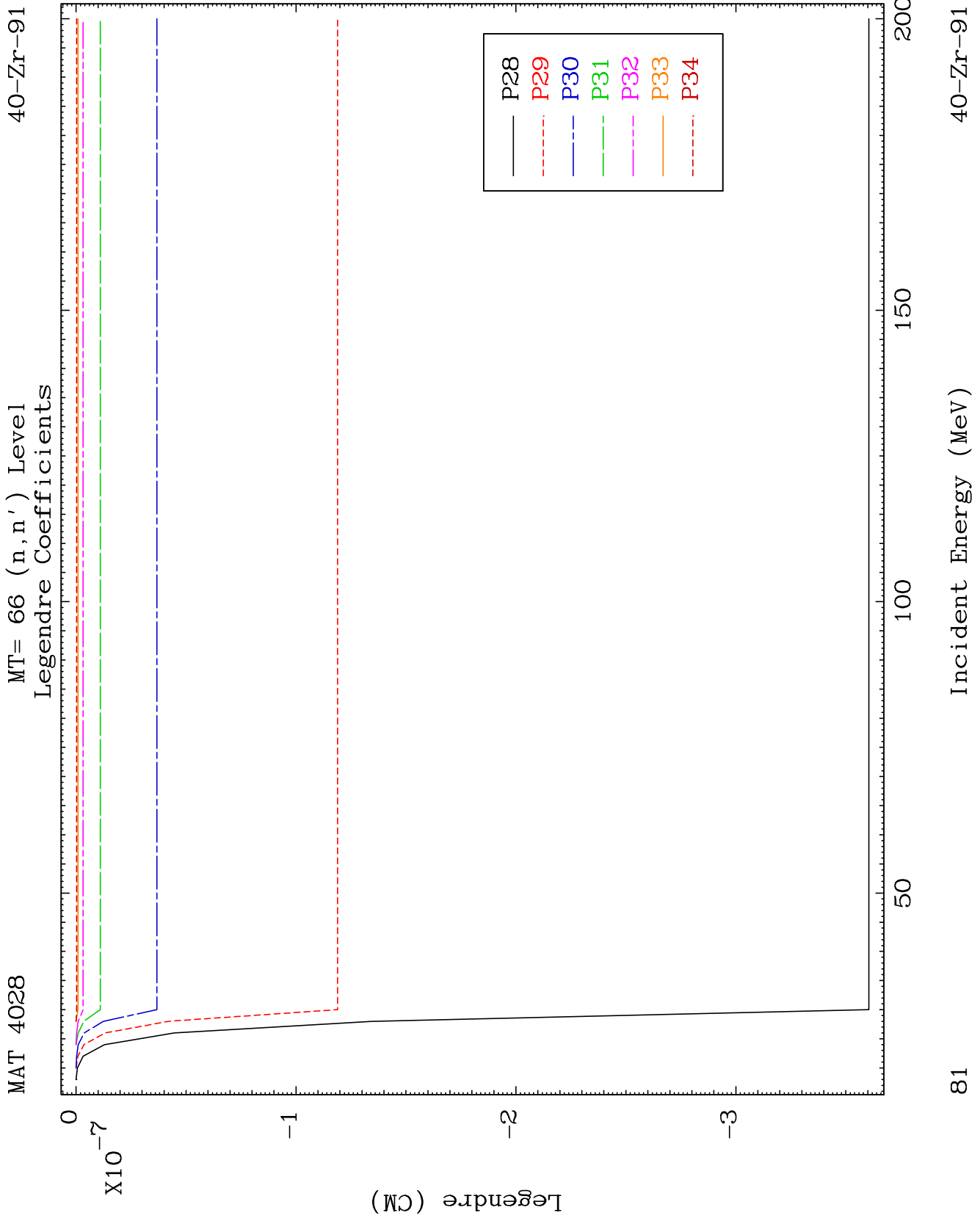
79

Incident Energy (MeV)

40-Zr-91





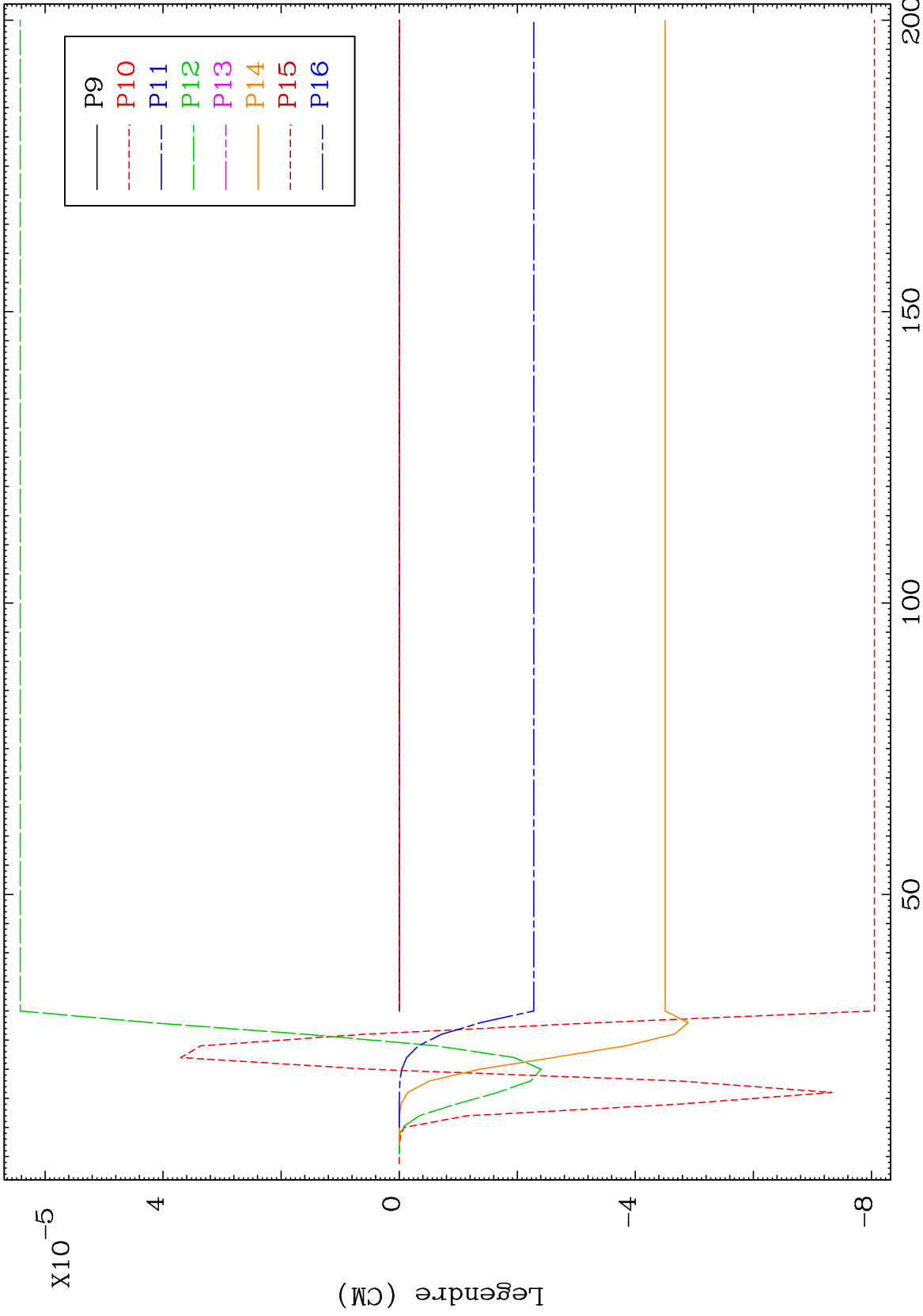




MAT 4028

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

40-Zr-91

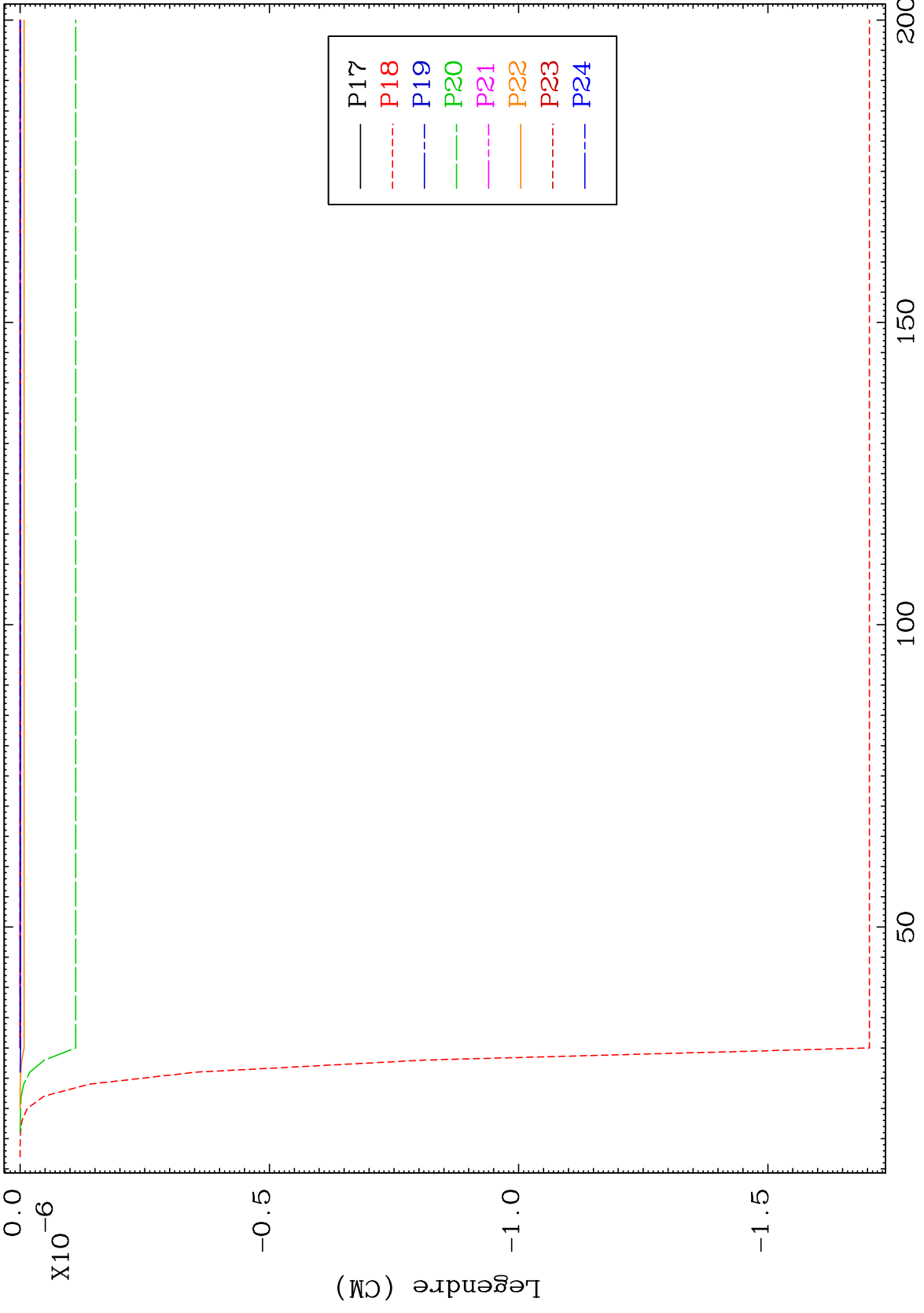


83

Incident Energy (MeV)

40-Zr-91

MAT 4028 MT= 67 (n,n') Level Legendre Coefficients 40-Zr-91

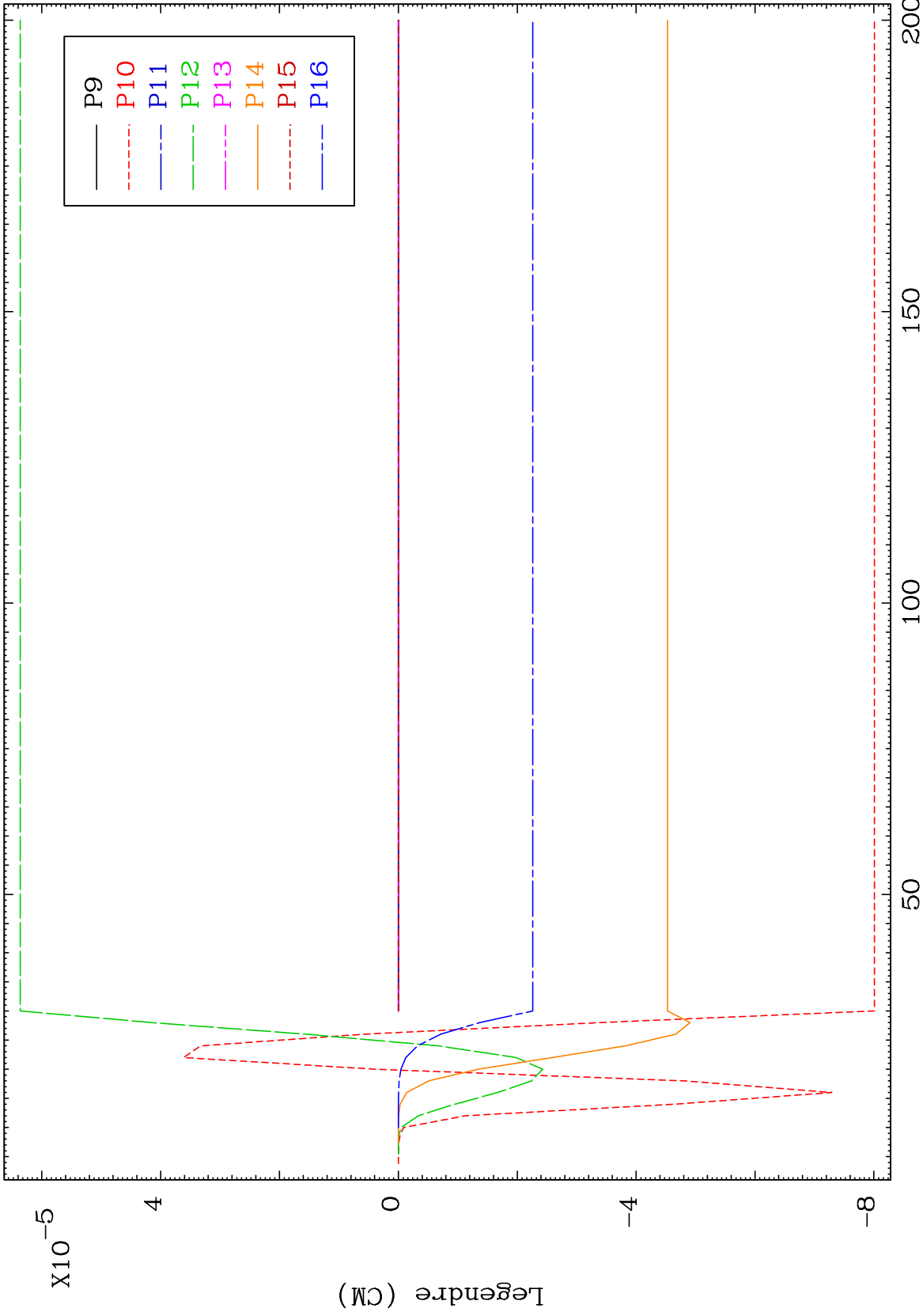




MAT 4028

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

40-Zr-91

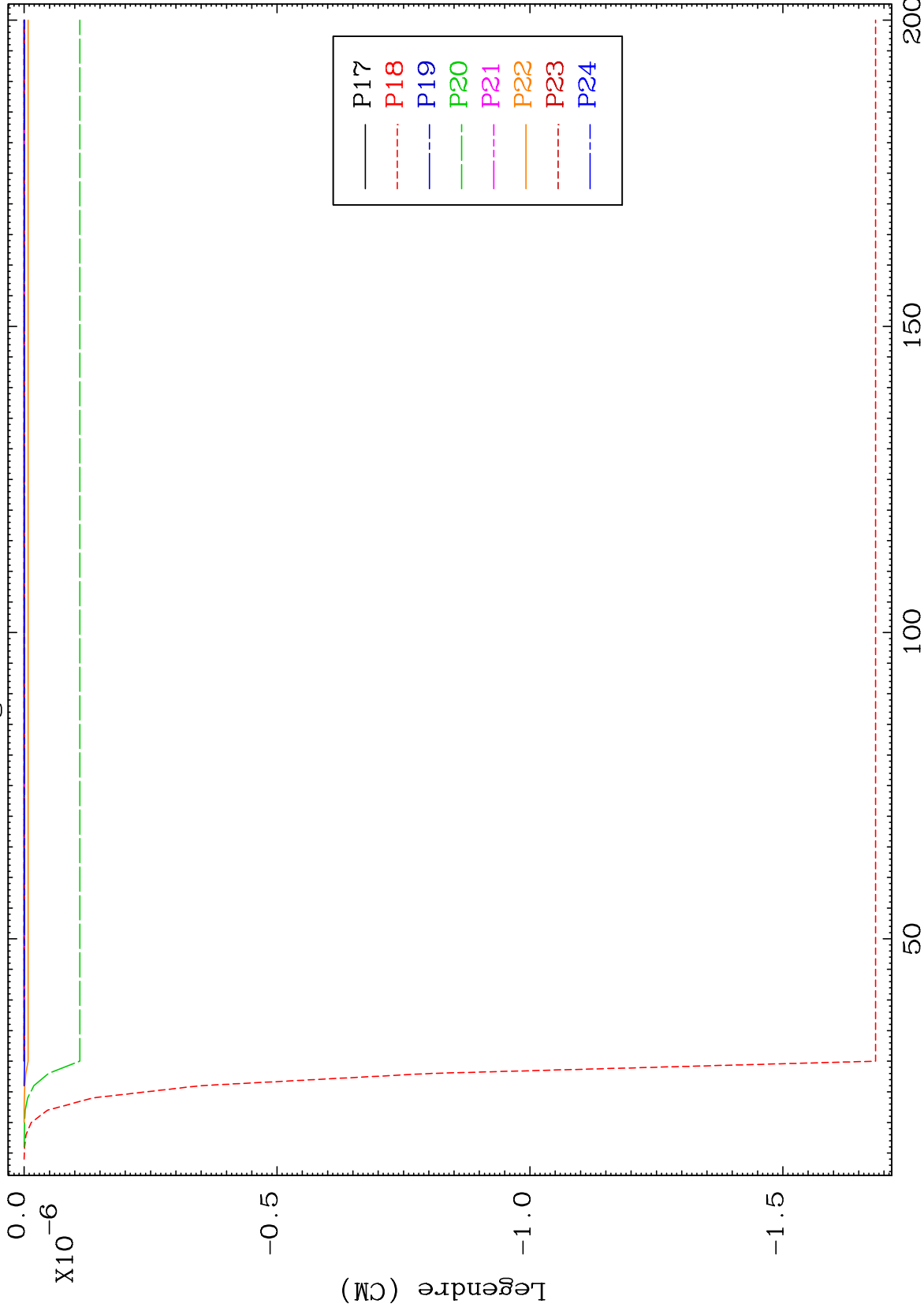


86

Incident Energy (MeV)

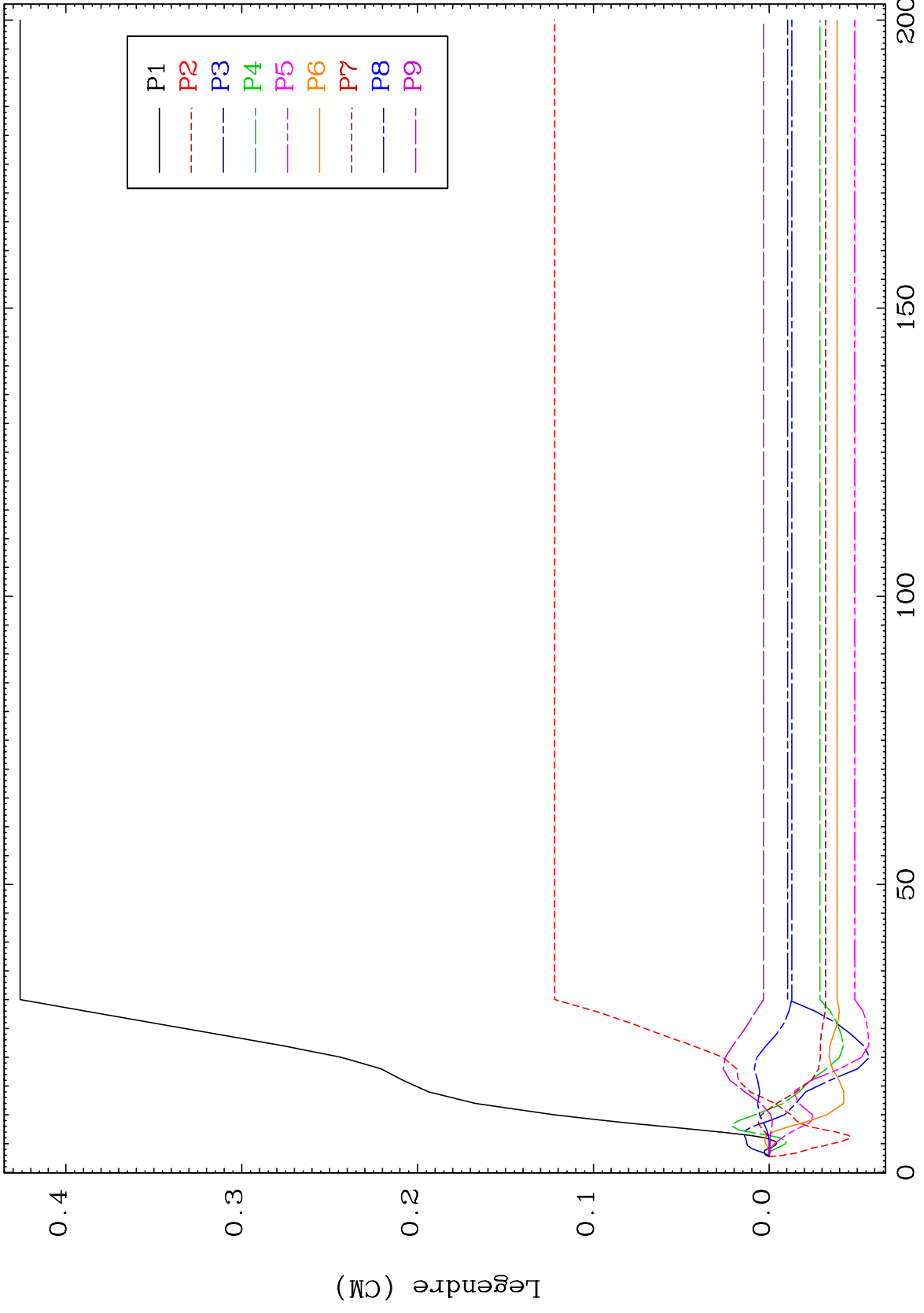
40-Zr-91

MAT 4028 MT= 68 (n,n') Level Legendre Coefficients 40-Zr-91





MAT 4028 MT= 69 (n,n') Level Legendre Coefficients 40-Zr-91

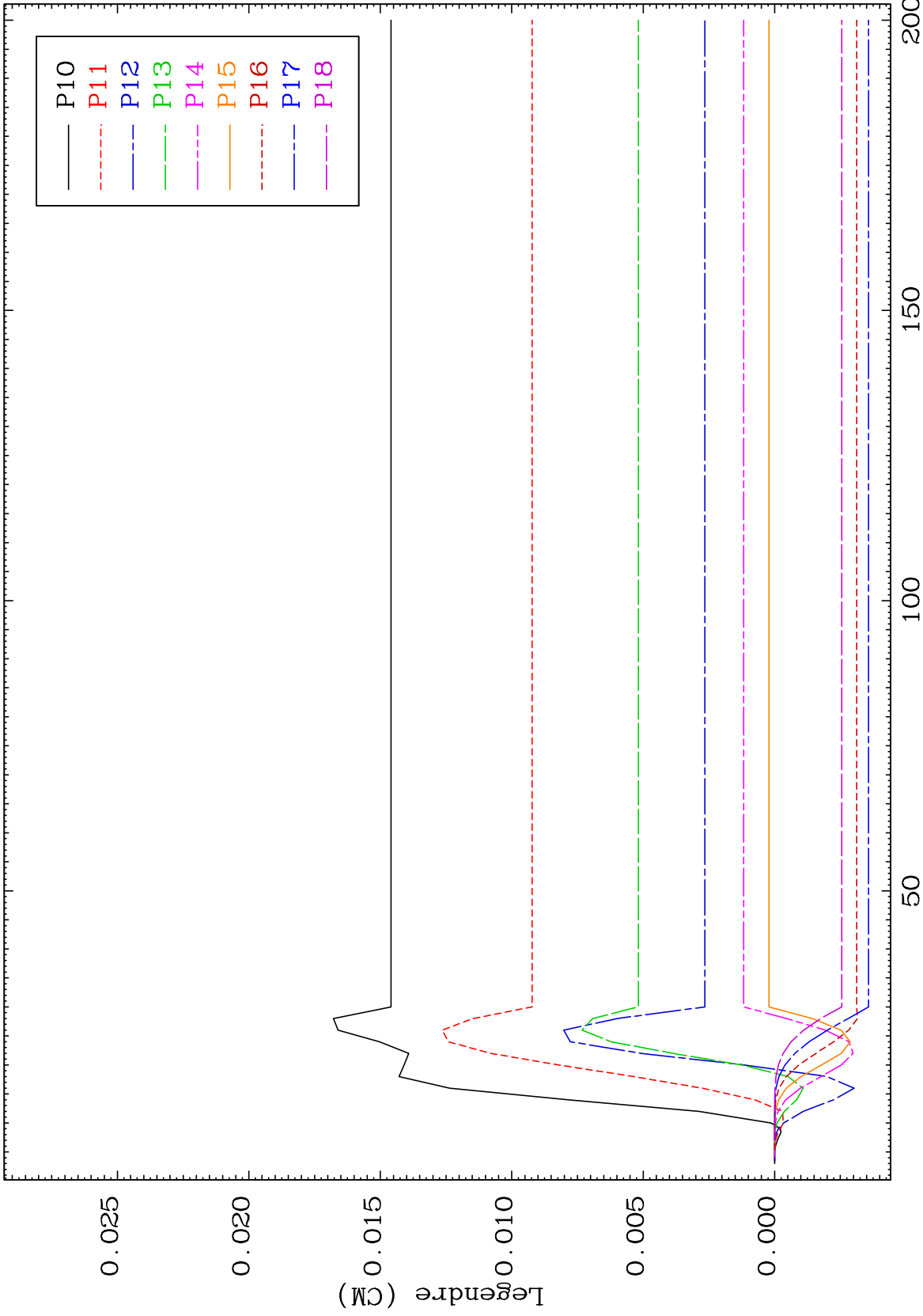


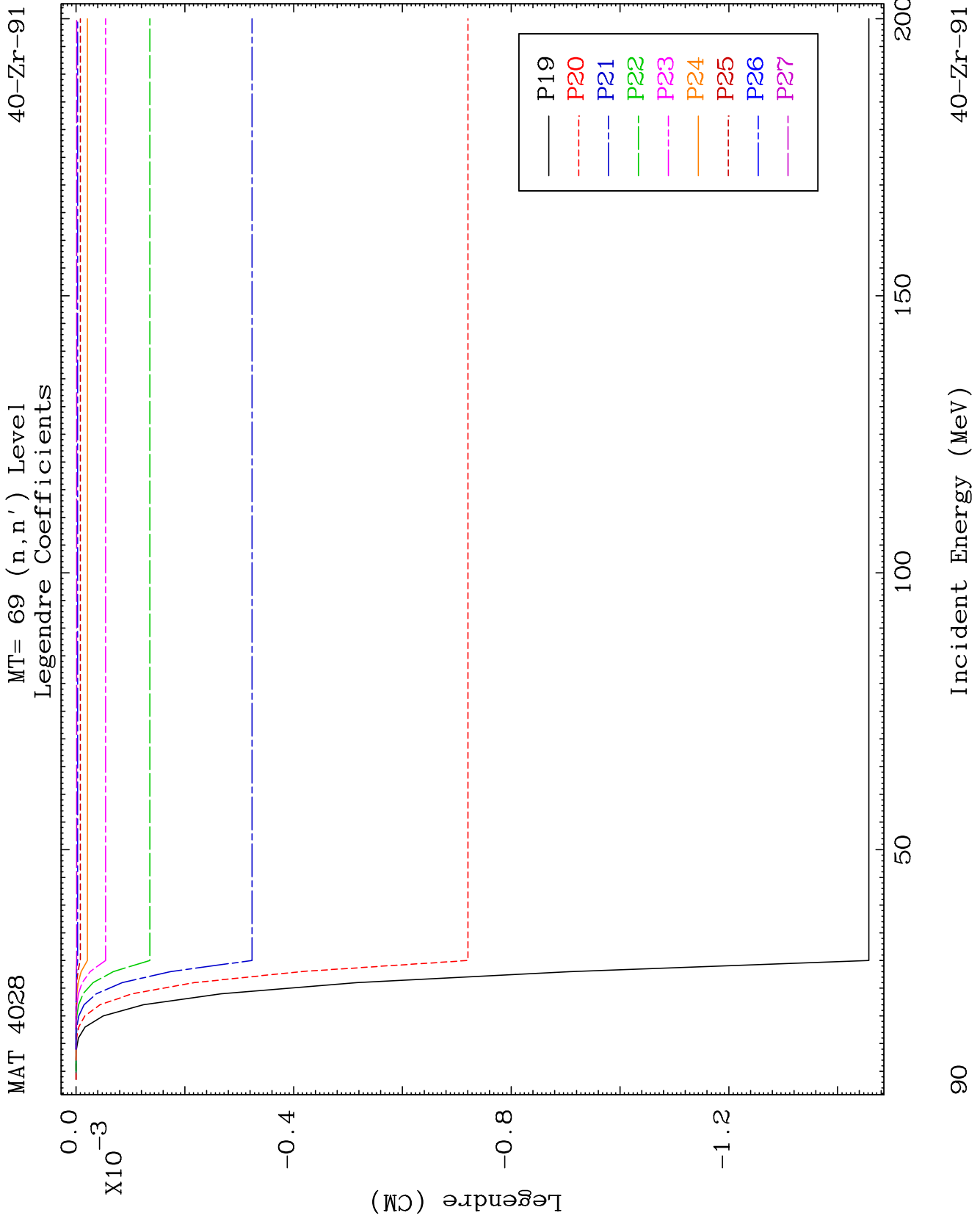
88 Incident Energy (MeV) 40-Zr-91

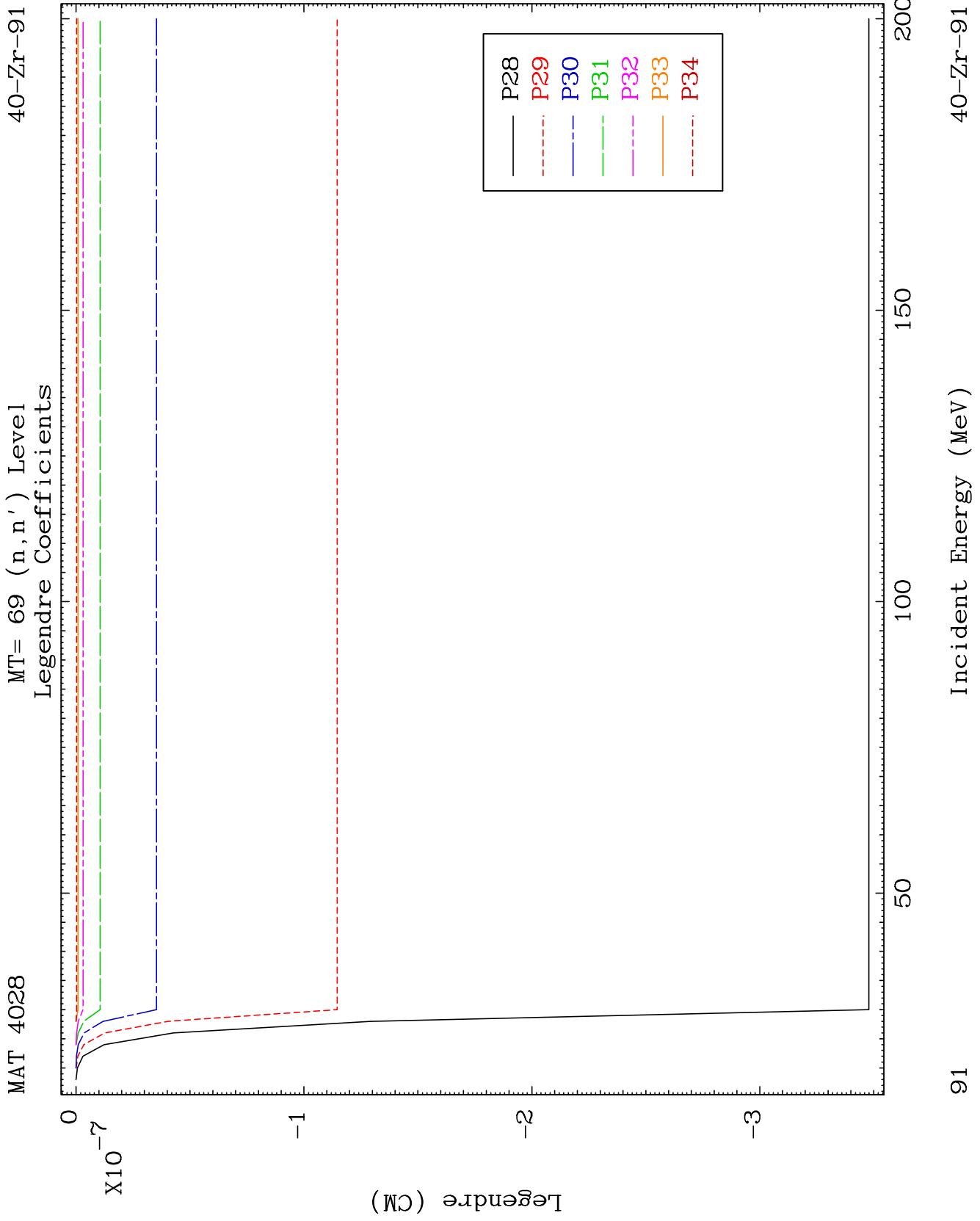
MAT 4028

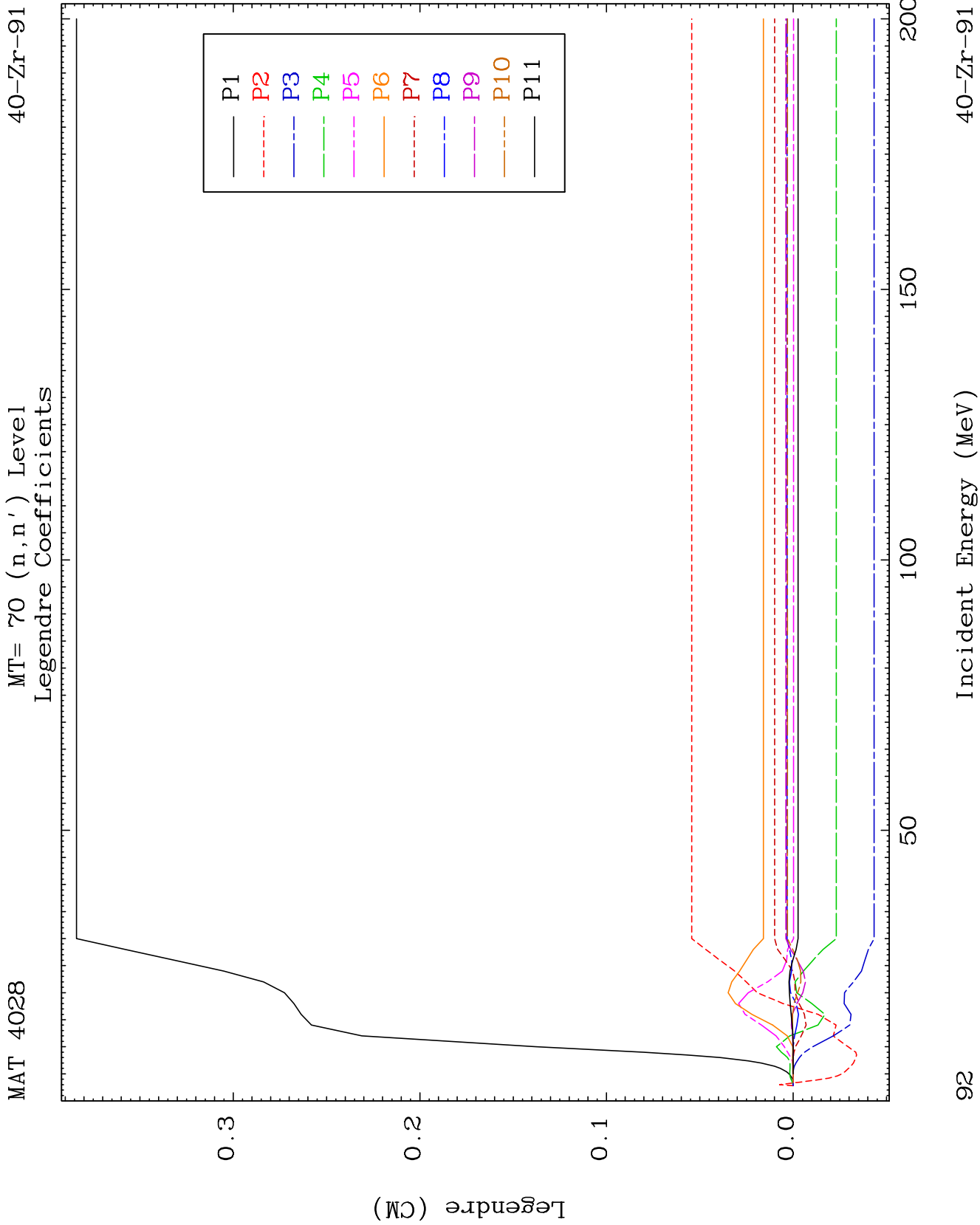
MT= 69 (n,n') Level  
Legendre Coefficients

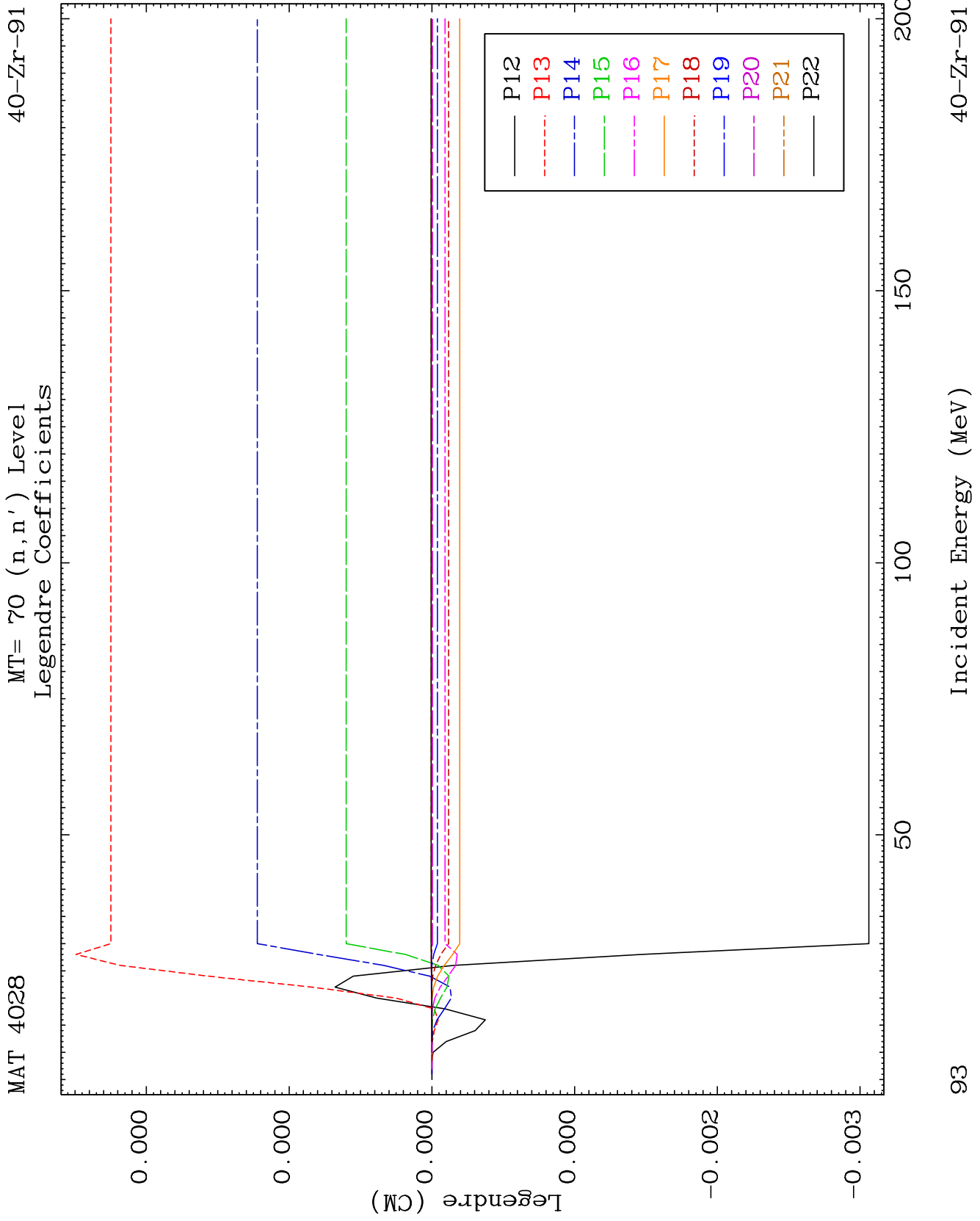
40-Zr-91



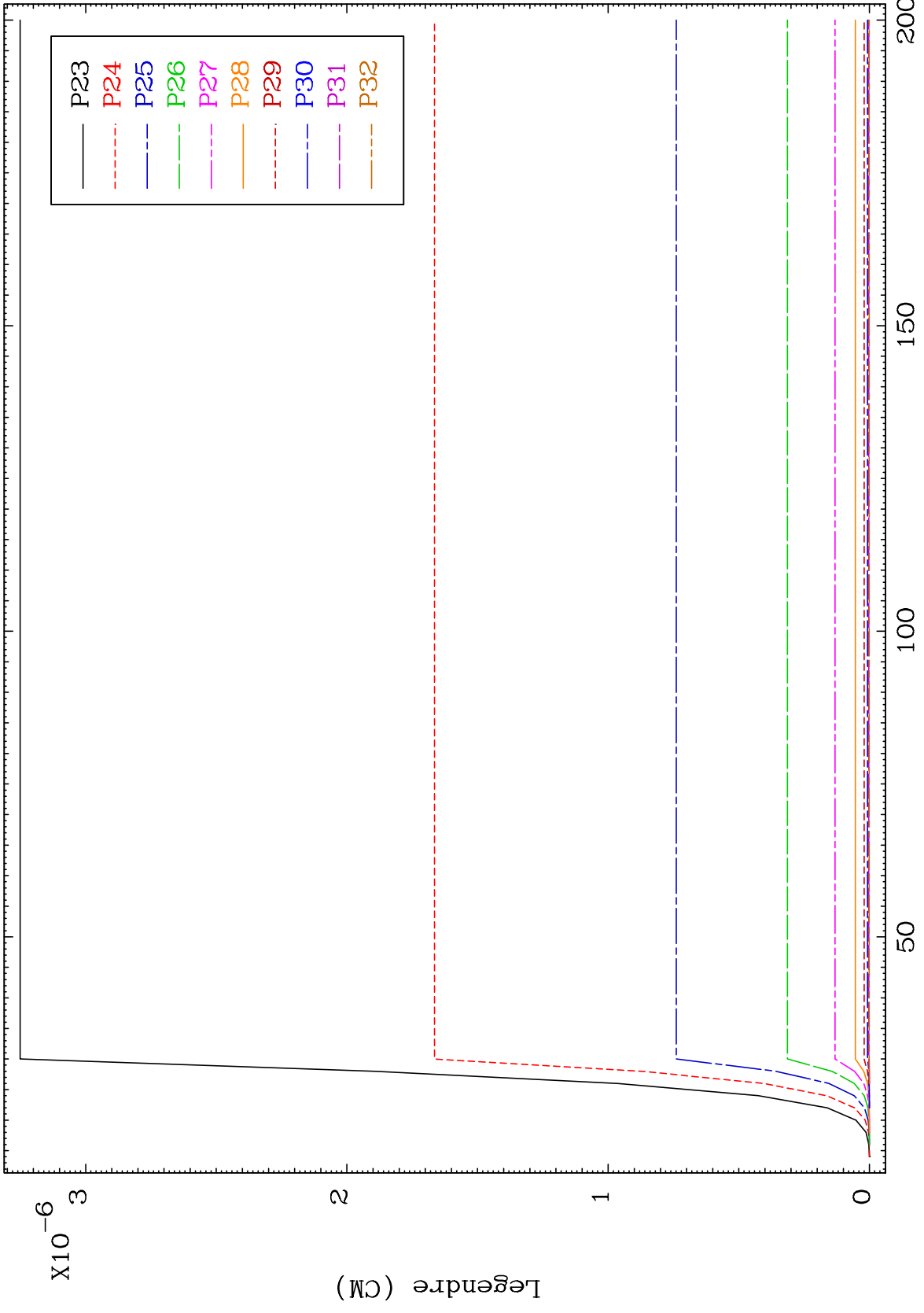






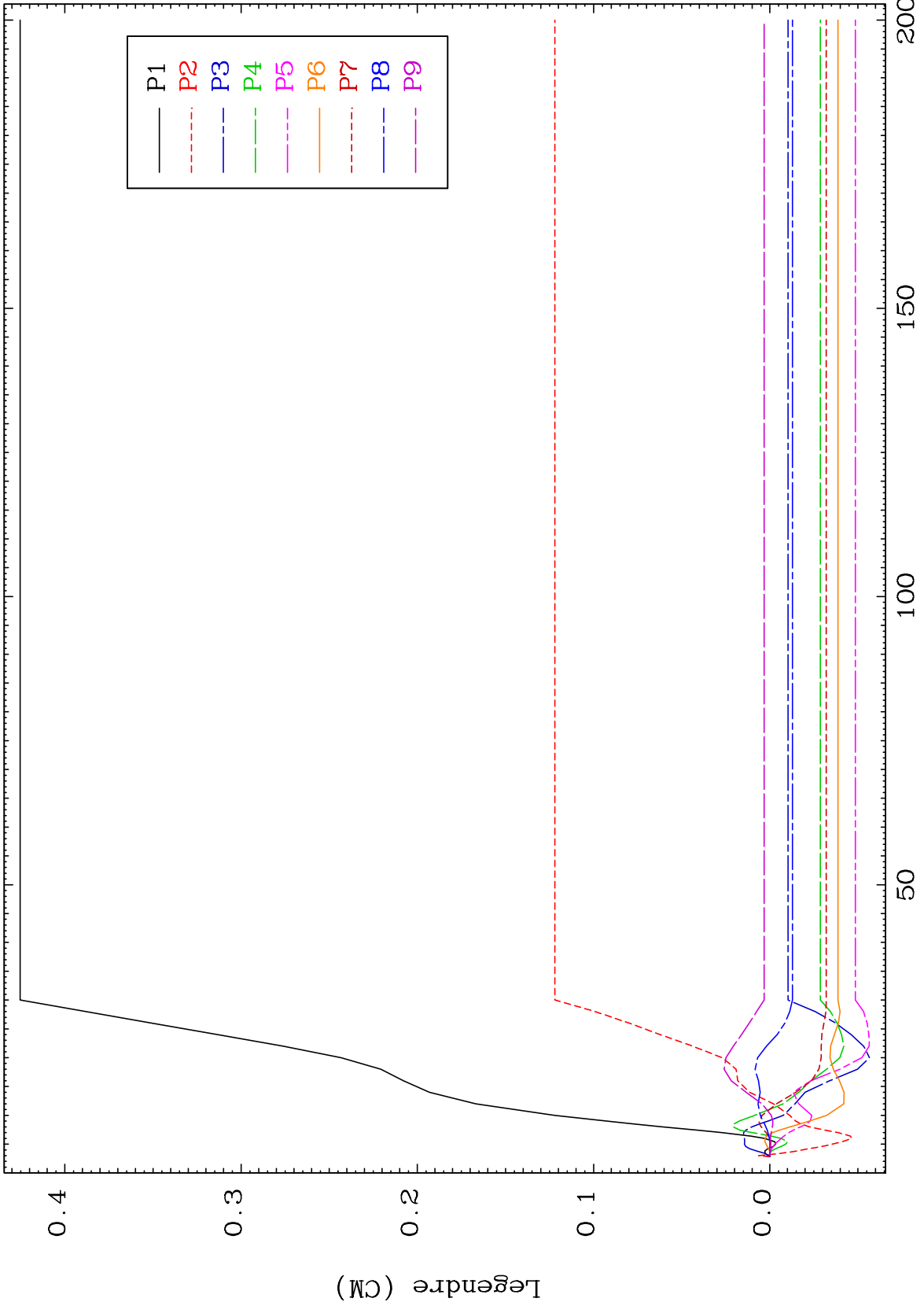


MAT 4028 MT= 70 (n,n') Level Legendre Coefficients 40-Zr-91



94 Incident Energy (MeV) 40-Zr-91

MAT 4028 MT= 71 (n,n') Level Legendre Coefficients 40-Zr-91



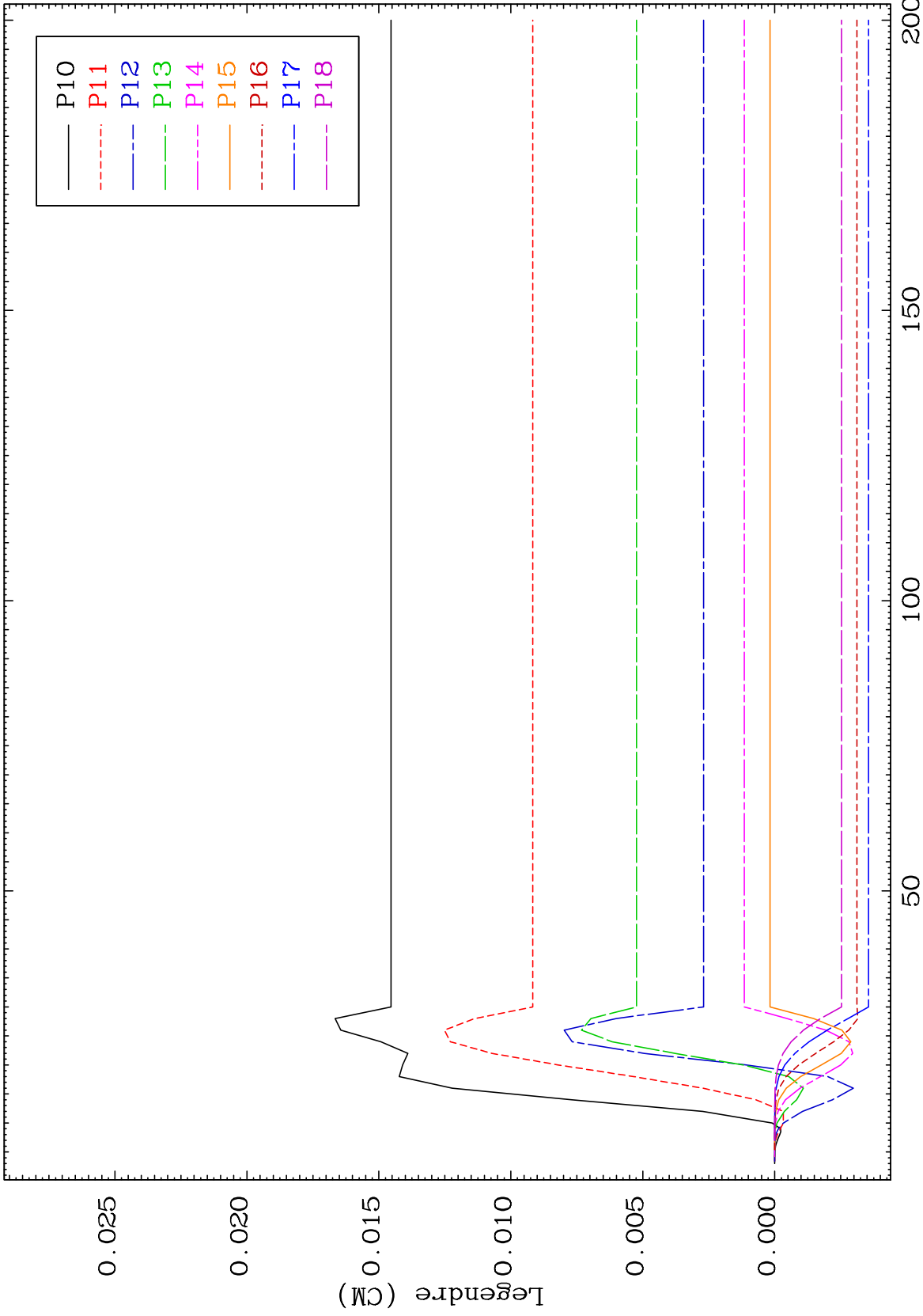
95 Incident Energy (MeV) 40-Zr-91



MAT 4028

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

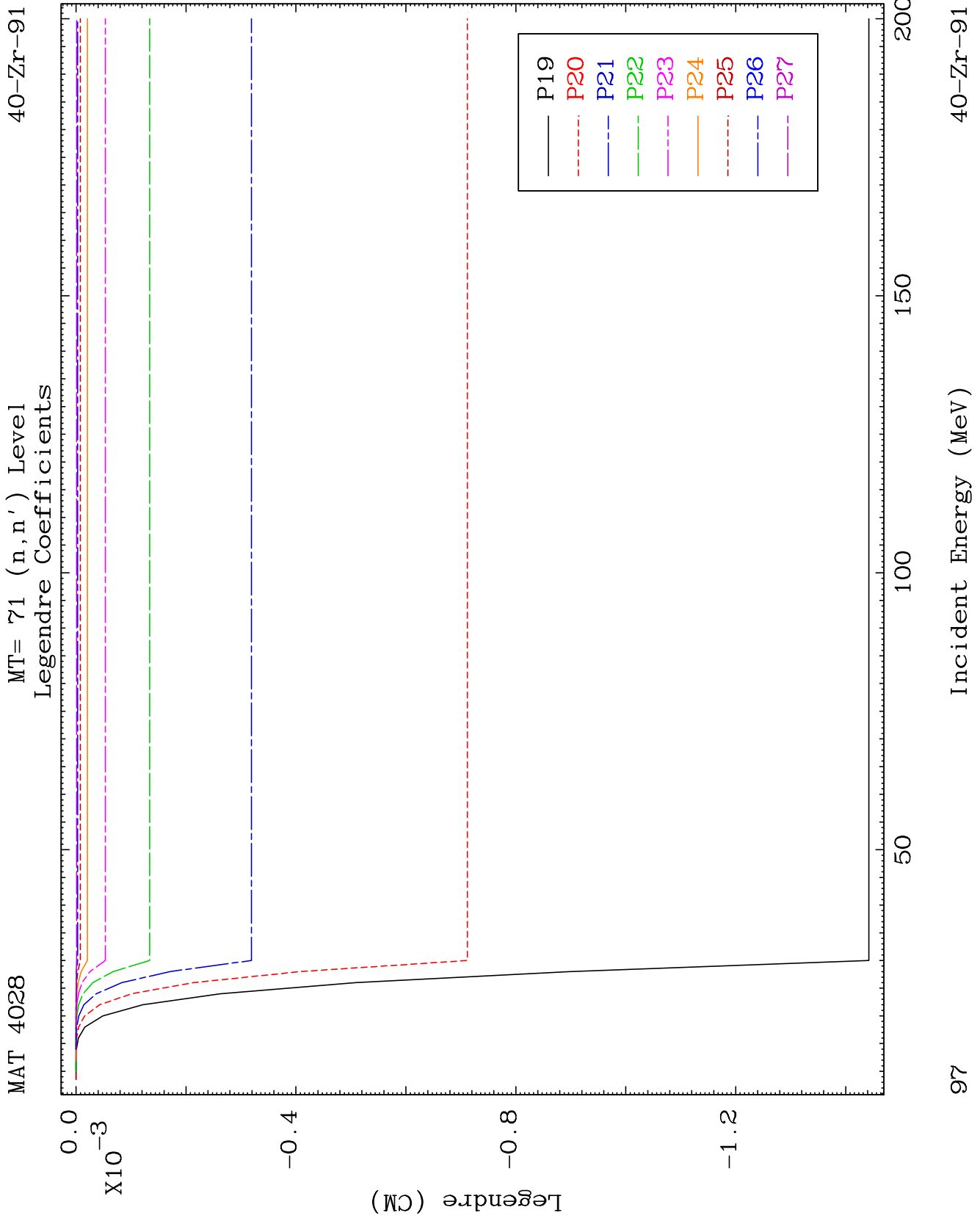
40-Zr-91

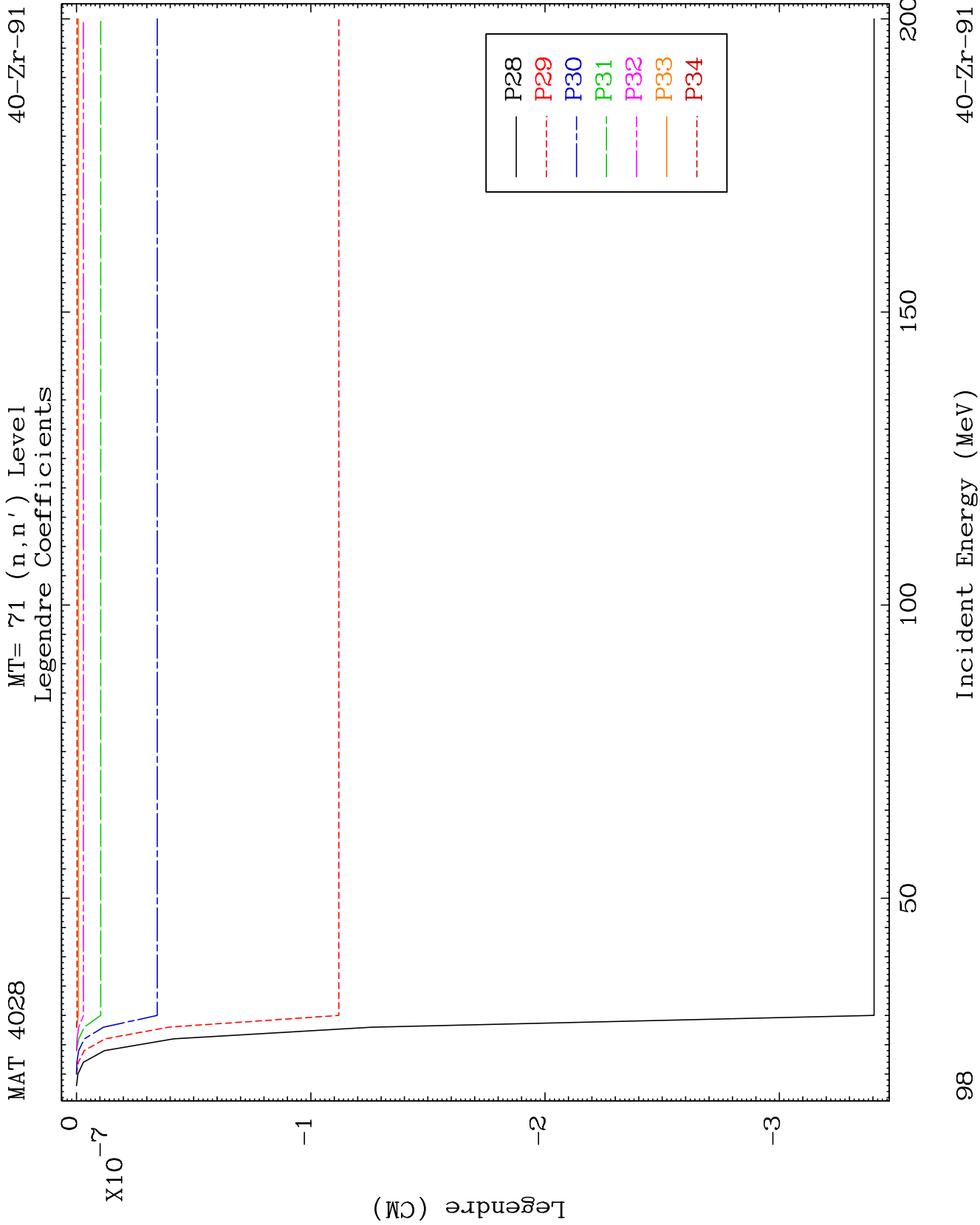


96

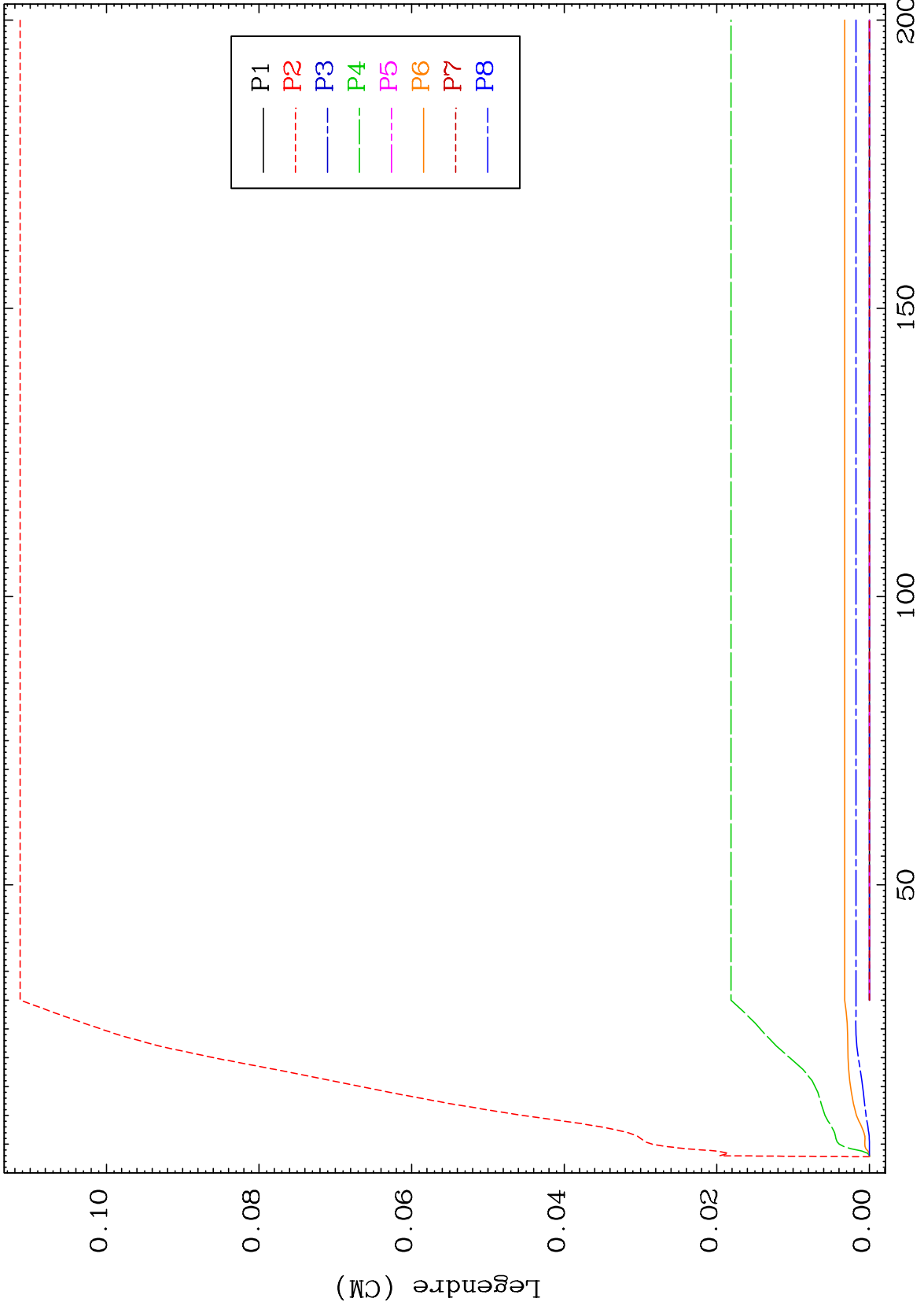
Incident Energy (MeV)

40-Zr-91





MAT 4028 MT= 72 (n,n') Level Legendre Coefficients 40-Zr-91

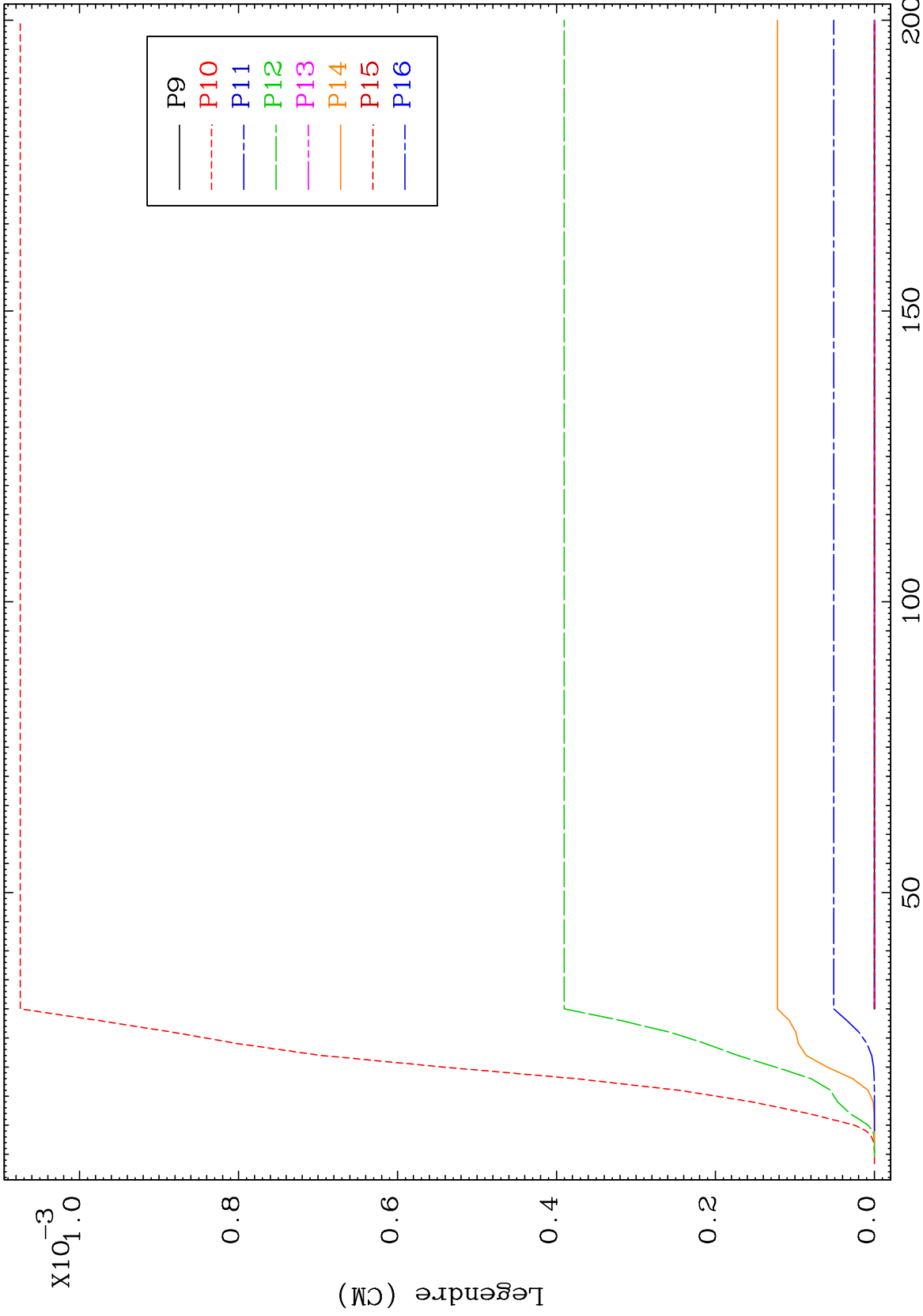


99 40-Zr-91

MAT 4028

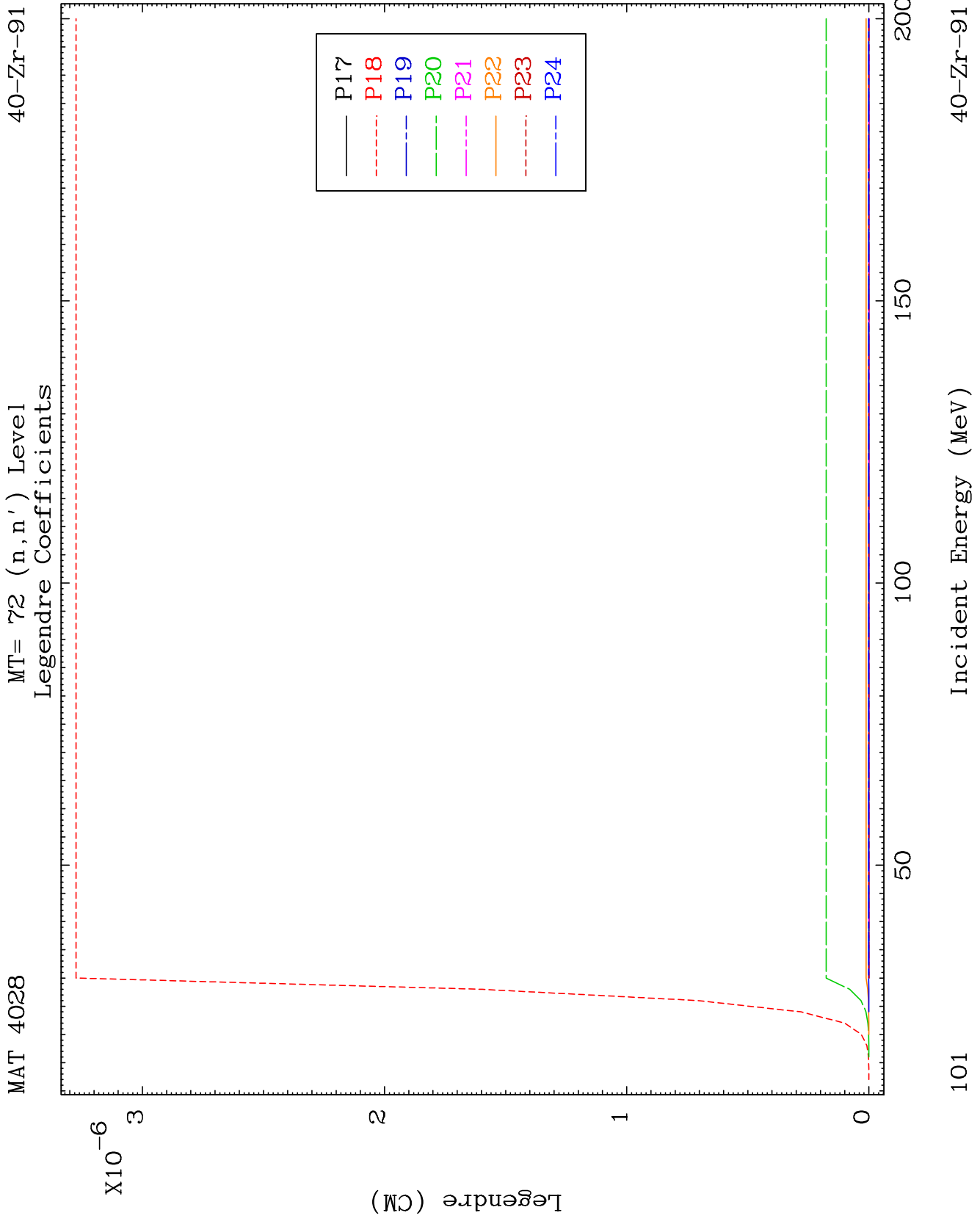
MT= 72 (n,n') Level  
Legendre Coefficients

40-Zr-91

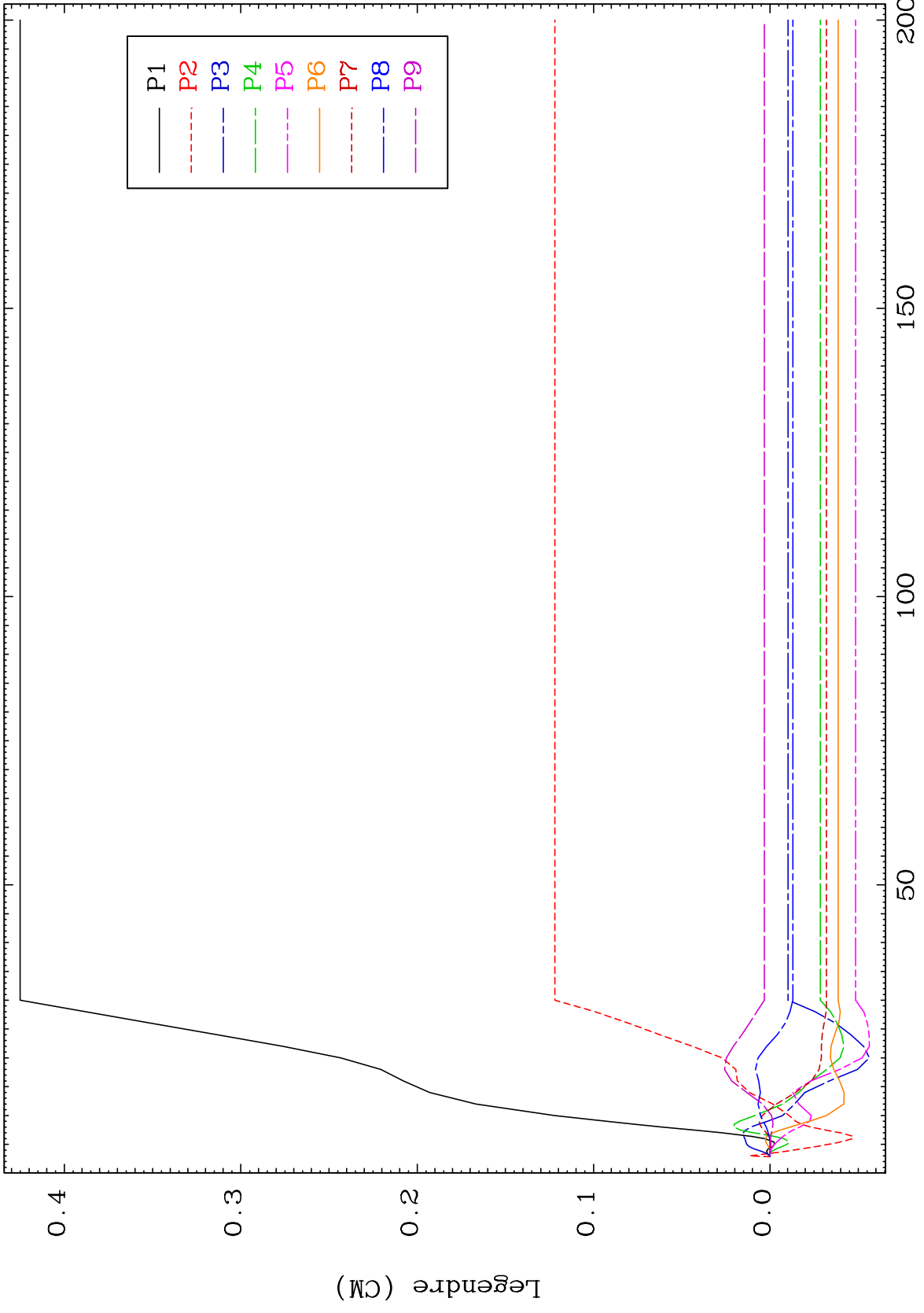


40-Zr-91

Incident Energy (MeV)



MAT 4028 MT= 73 (n,n') Level Legendre Coefficients 40-Zr-91

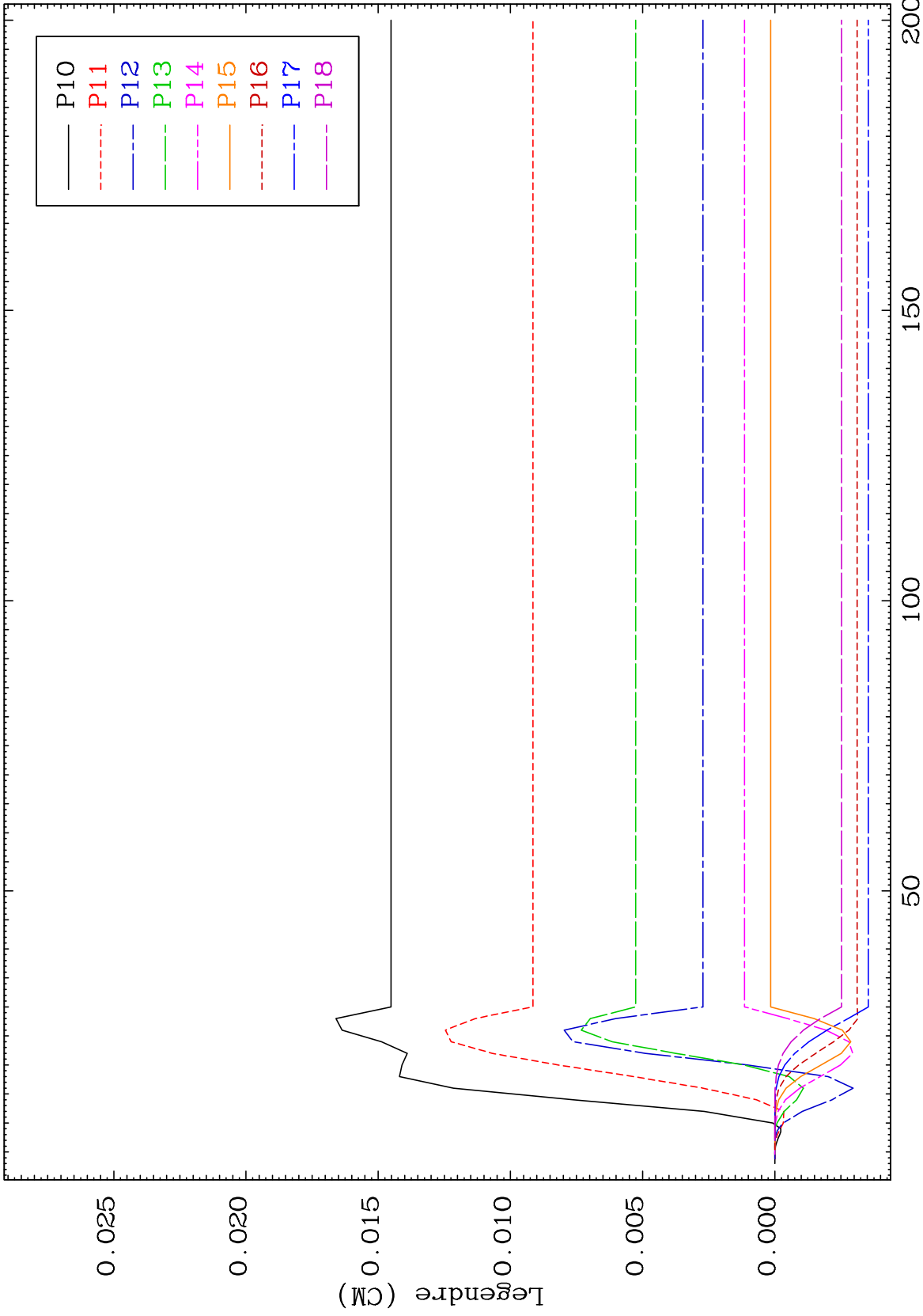


102 Incident Energy (MeV) 40-Zr-91

MAT 4028

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

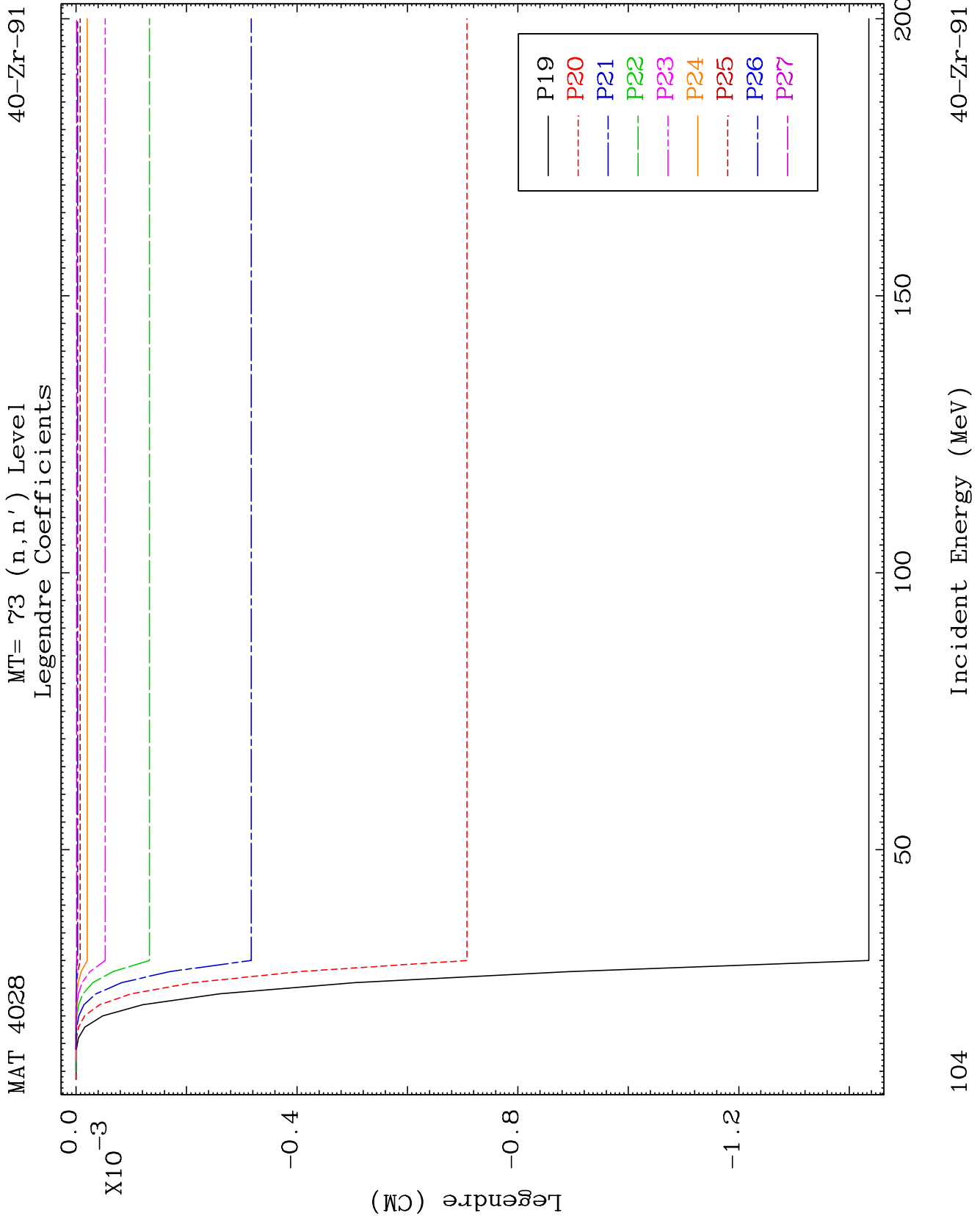
40-Zr-91

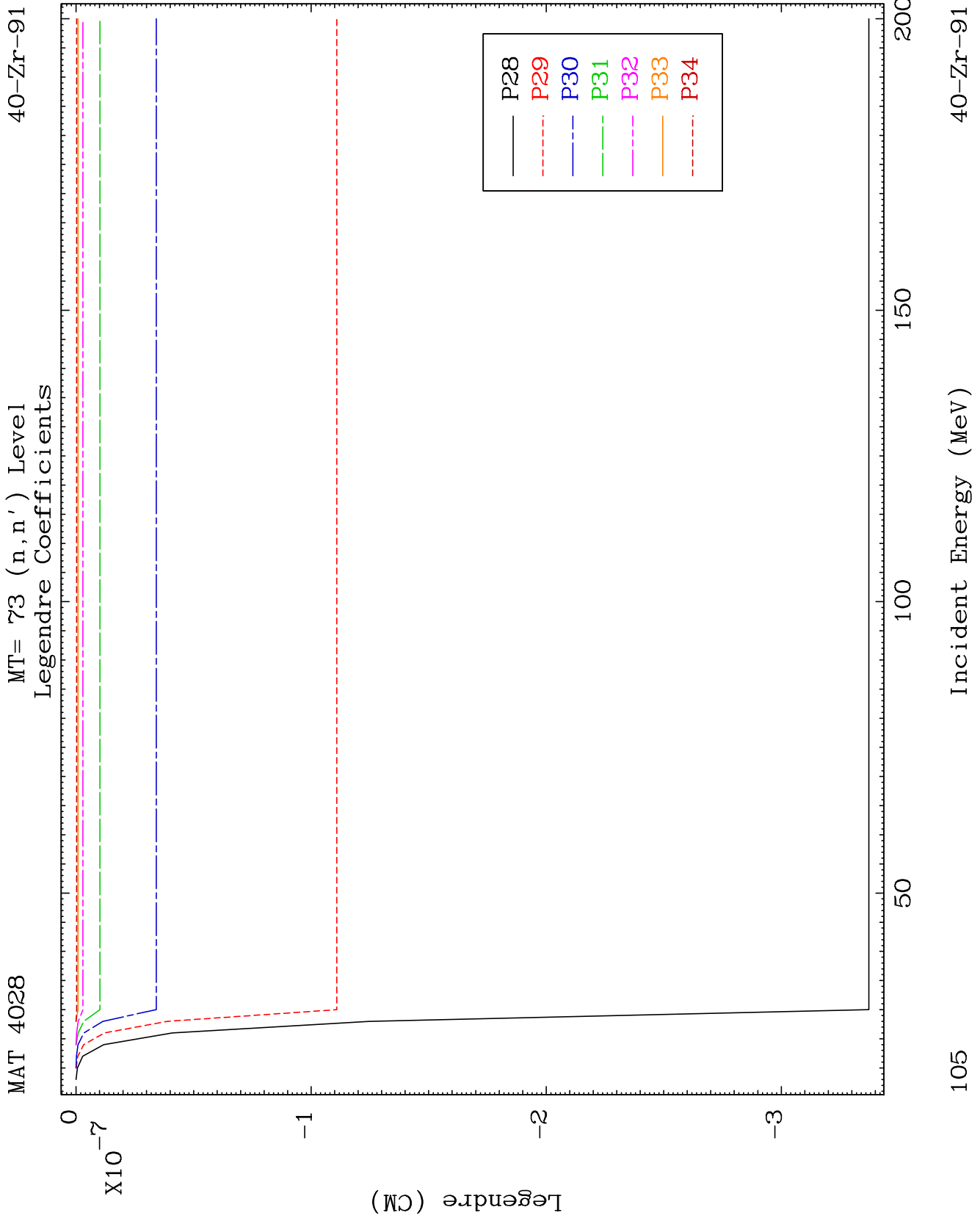


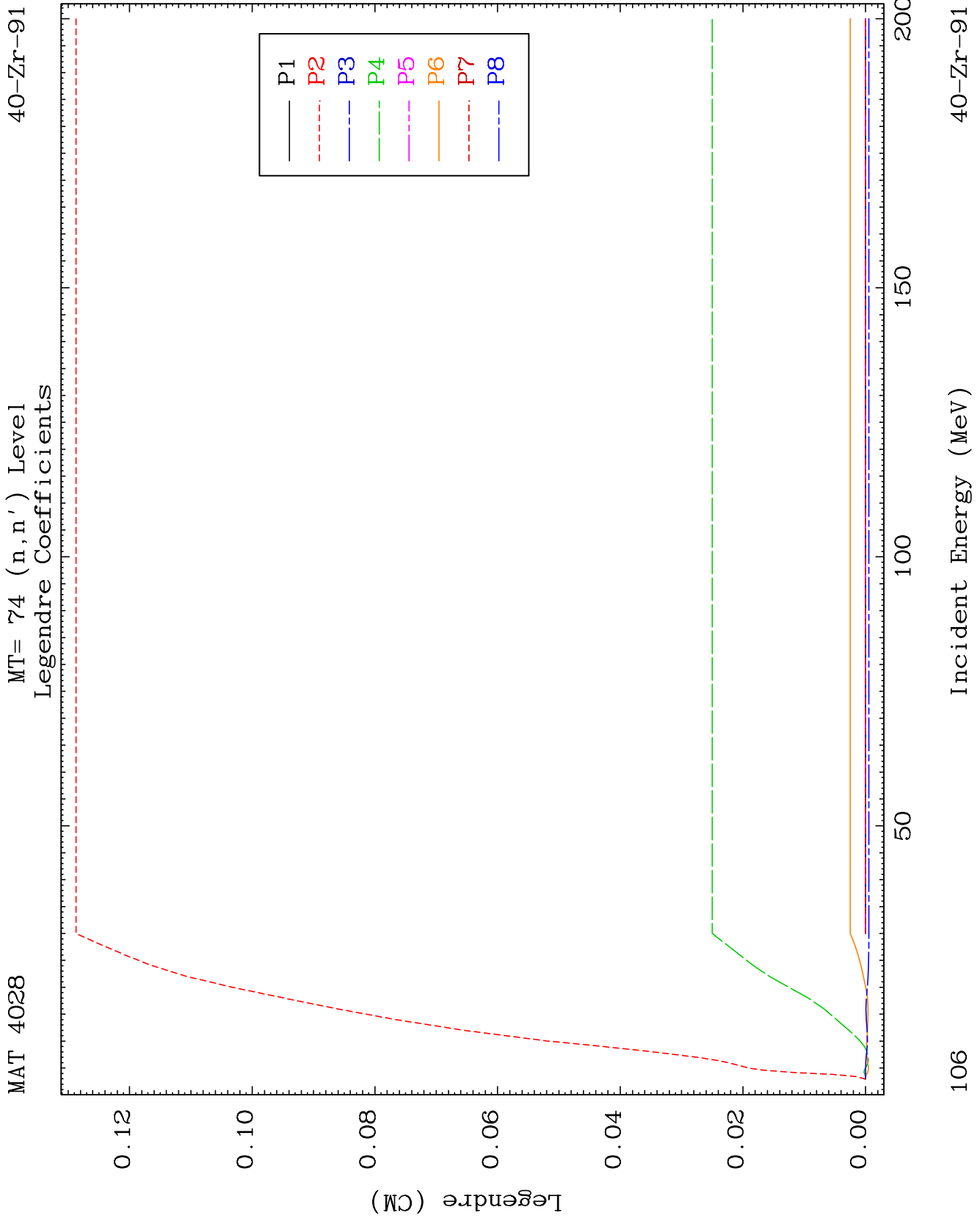
103

40-Zr-91

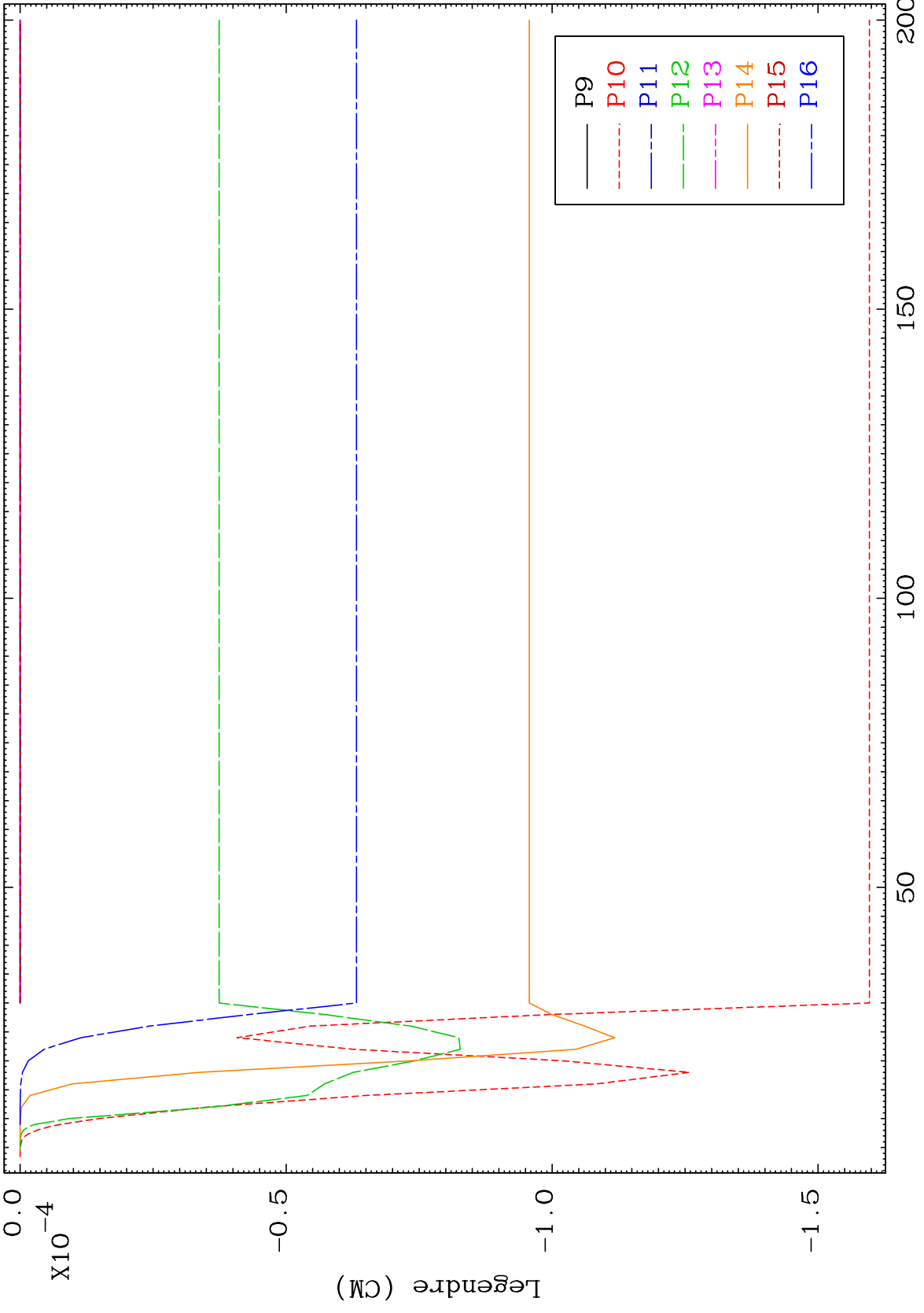








MAT 4028 MT= 74 (n,n') Level Legendre Coefficients 40-Zr-91

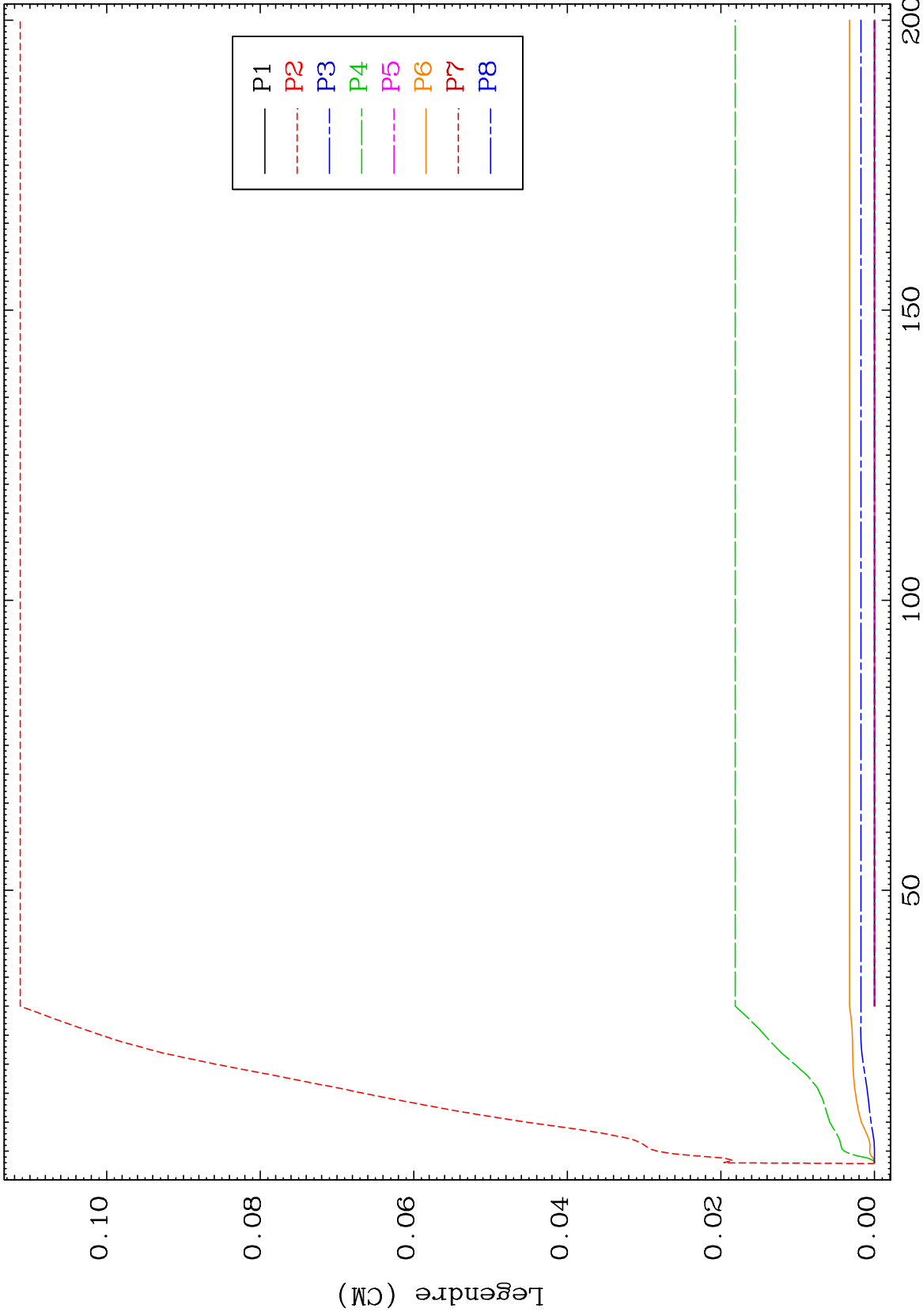




MAT 4028

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

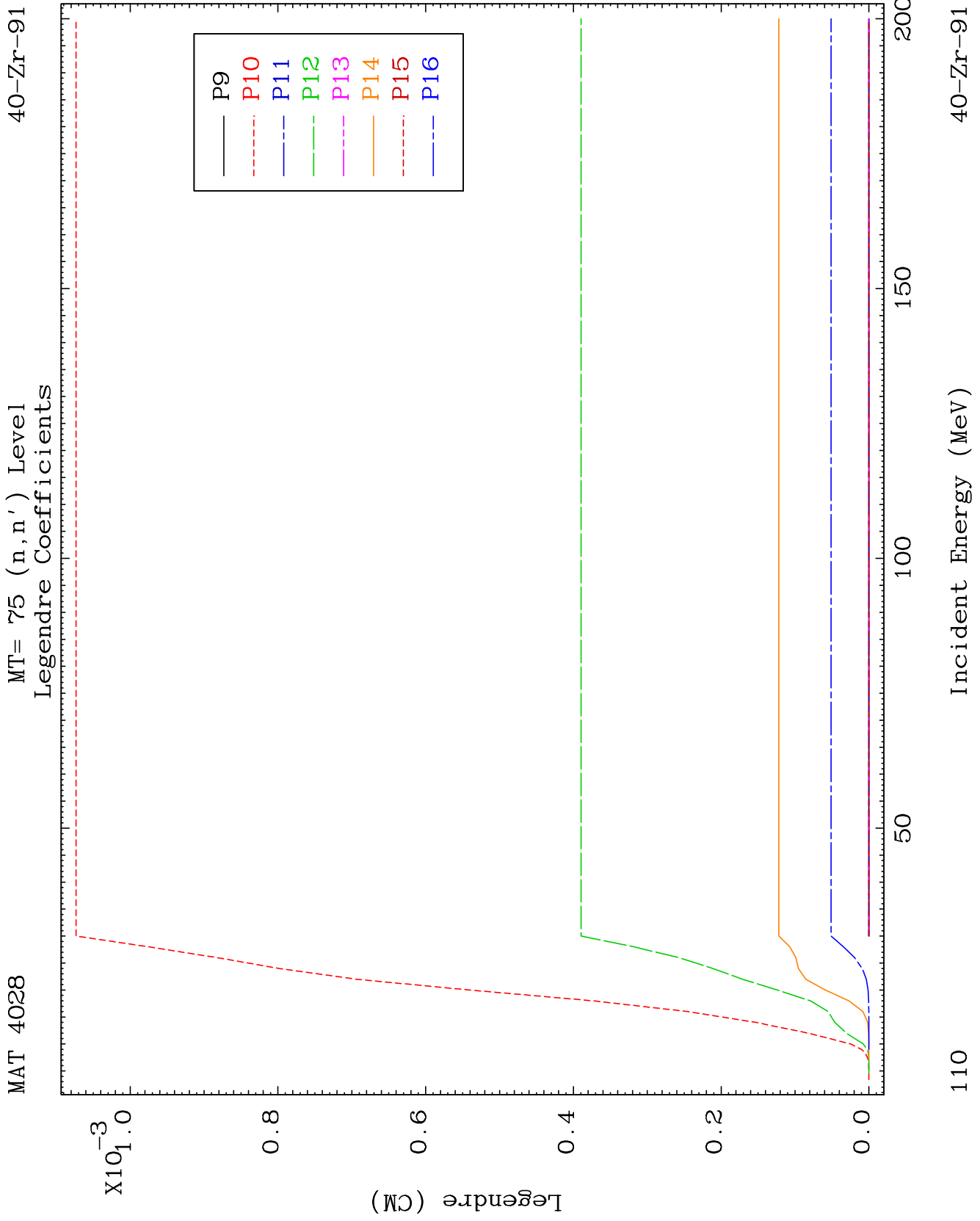
40-Zr-91

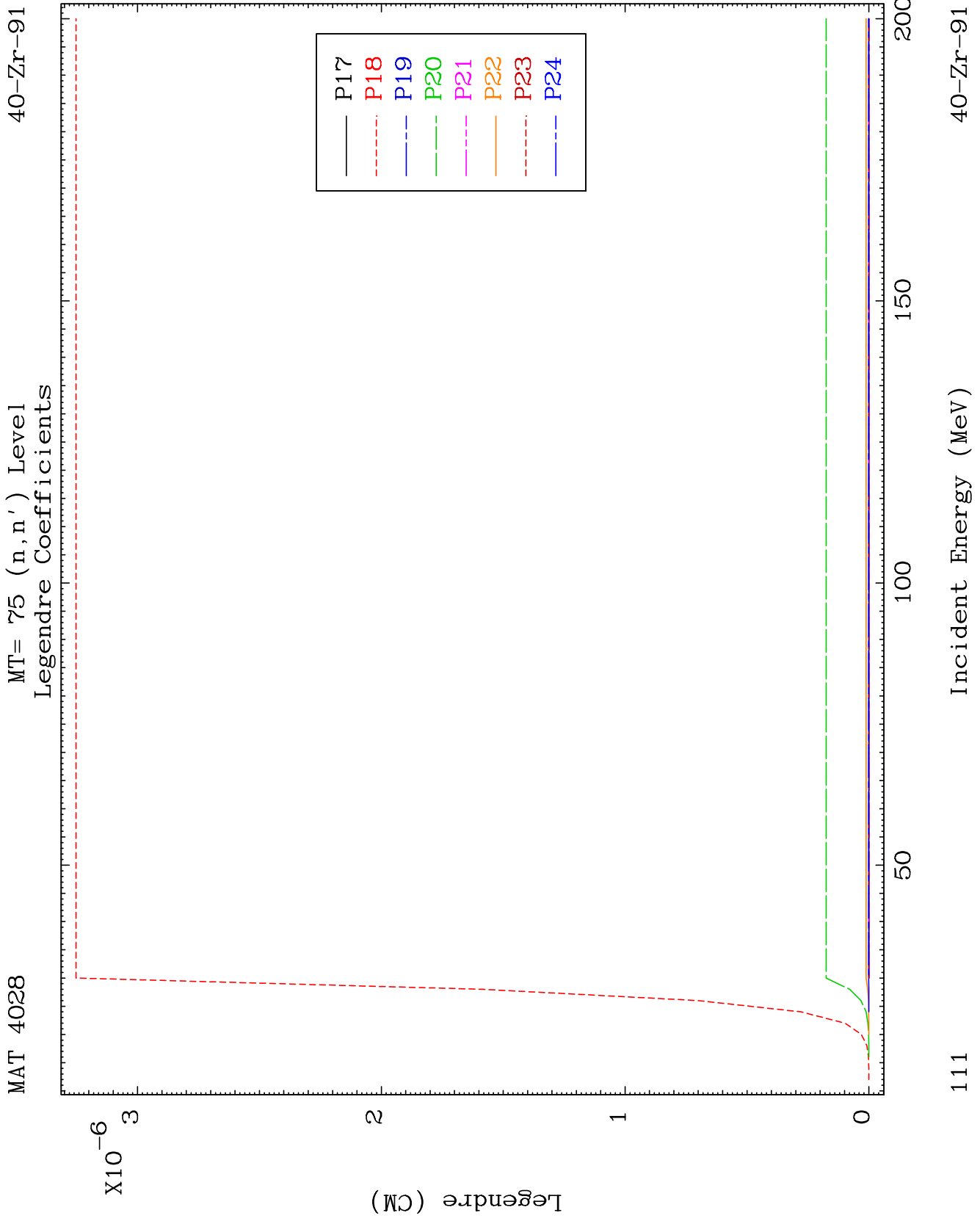


40-Zr-91

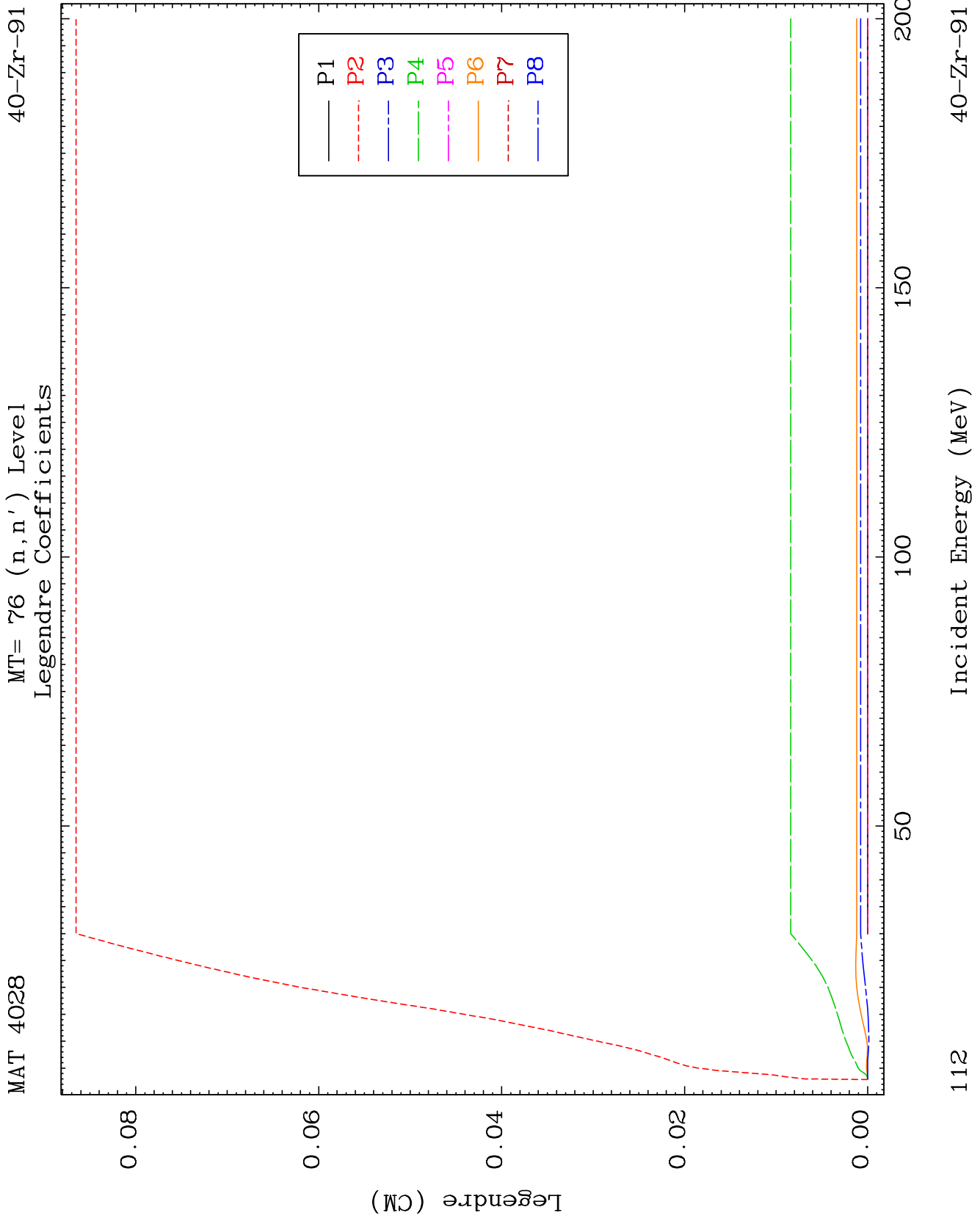
Incident Energy (MeV)

109





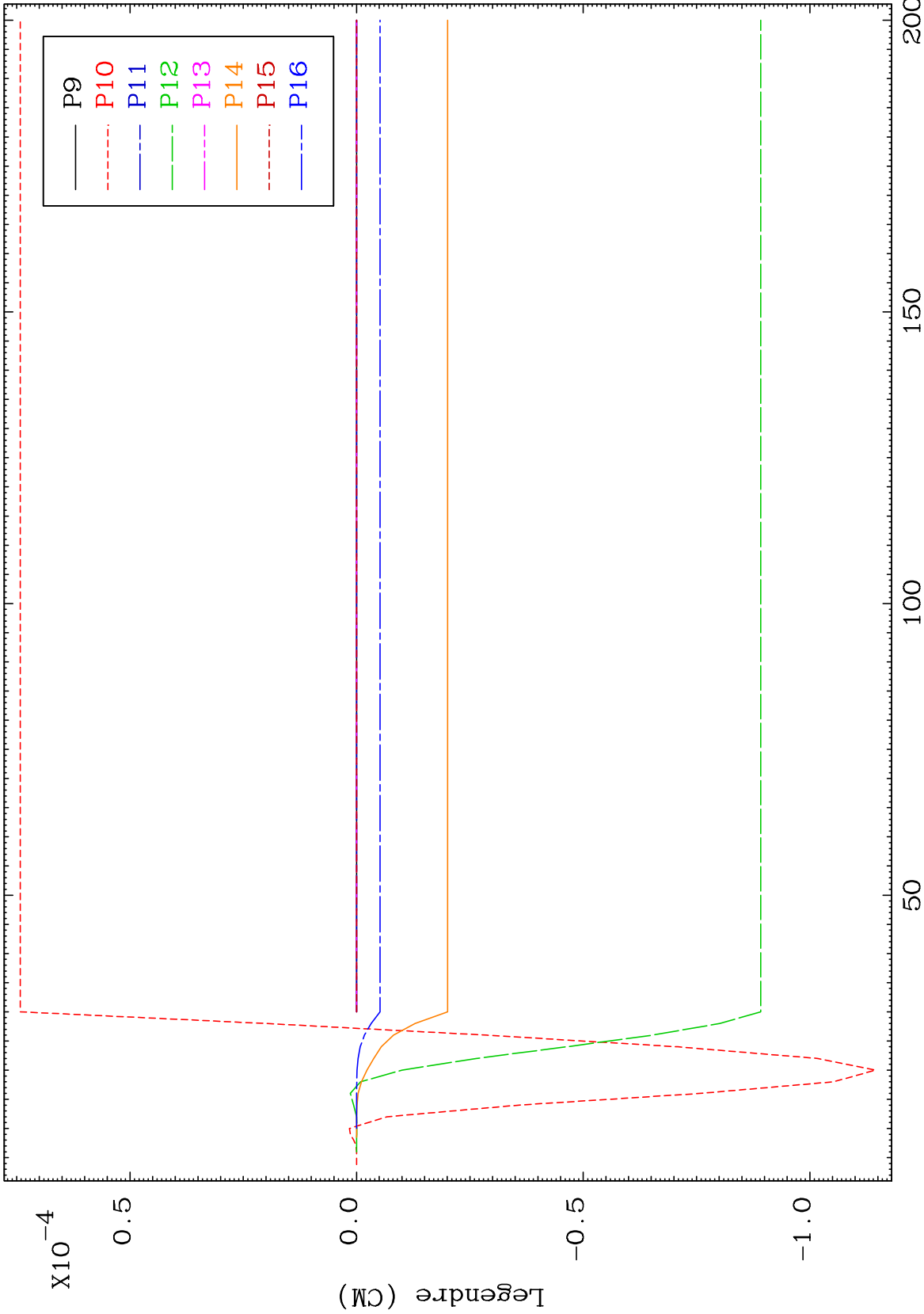




MAT 4028

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

40-Zr-91

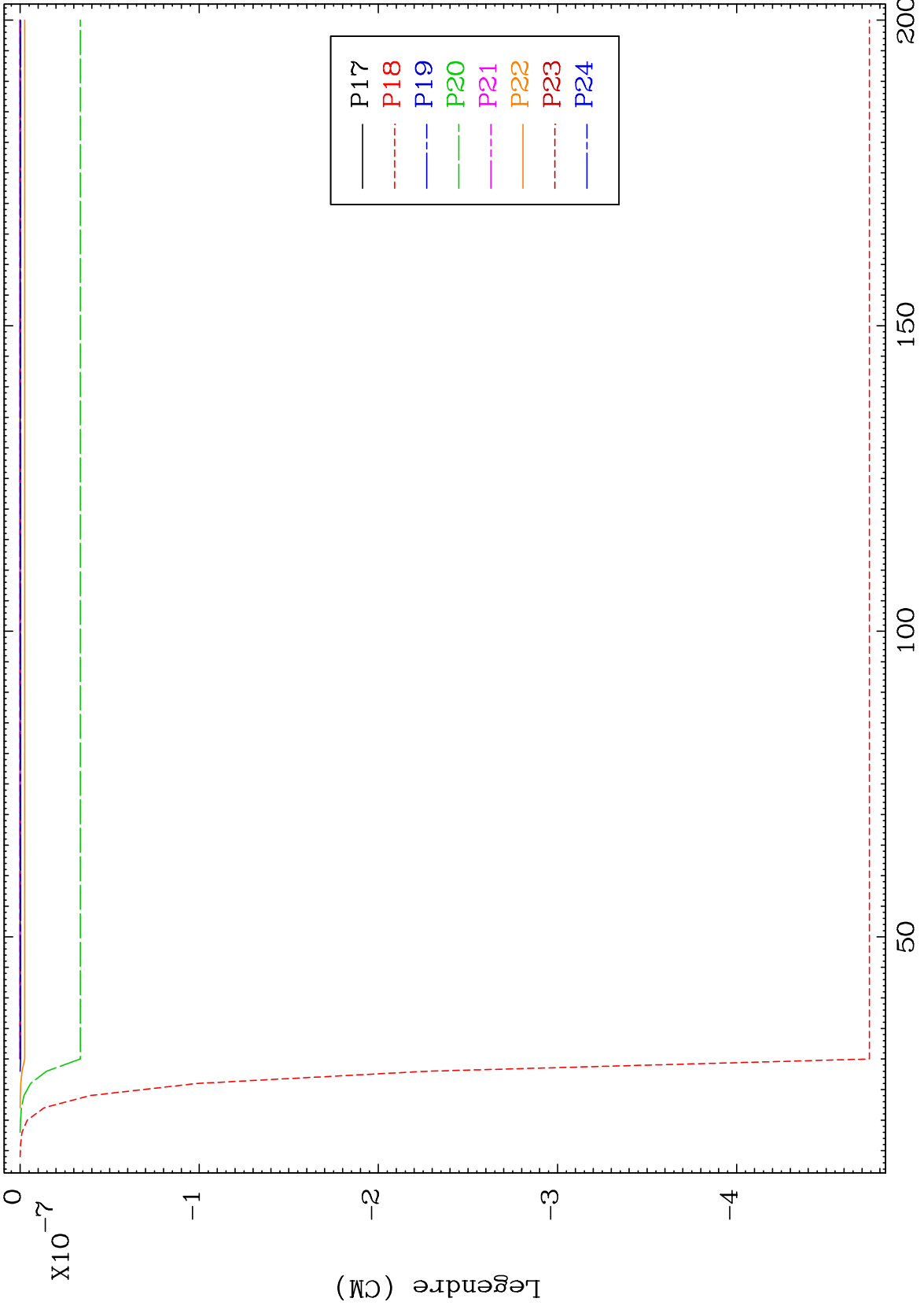


113

Incident Energy (MeV)

40-Zr-91

MAT 4028 MT= 76 (n,n') Level Legendre Coefficients 40-Zr-91

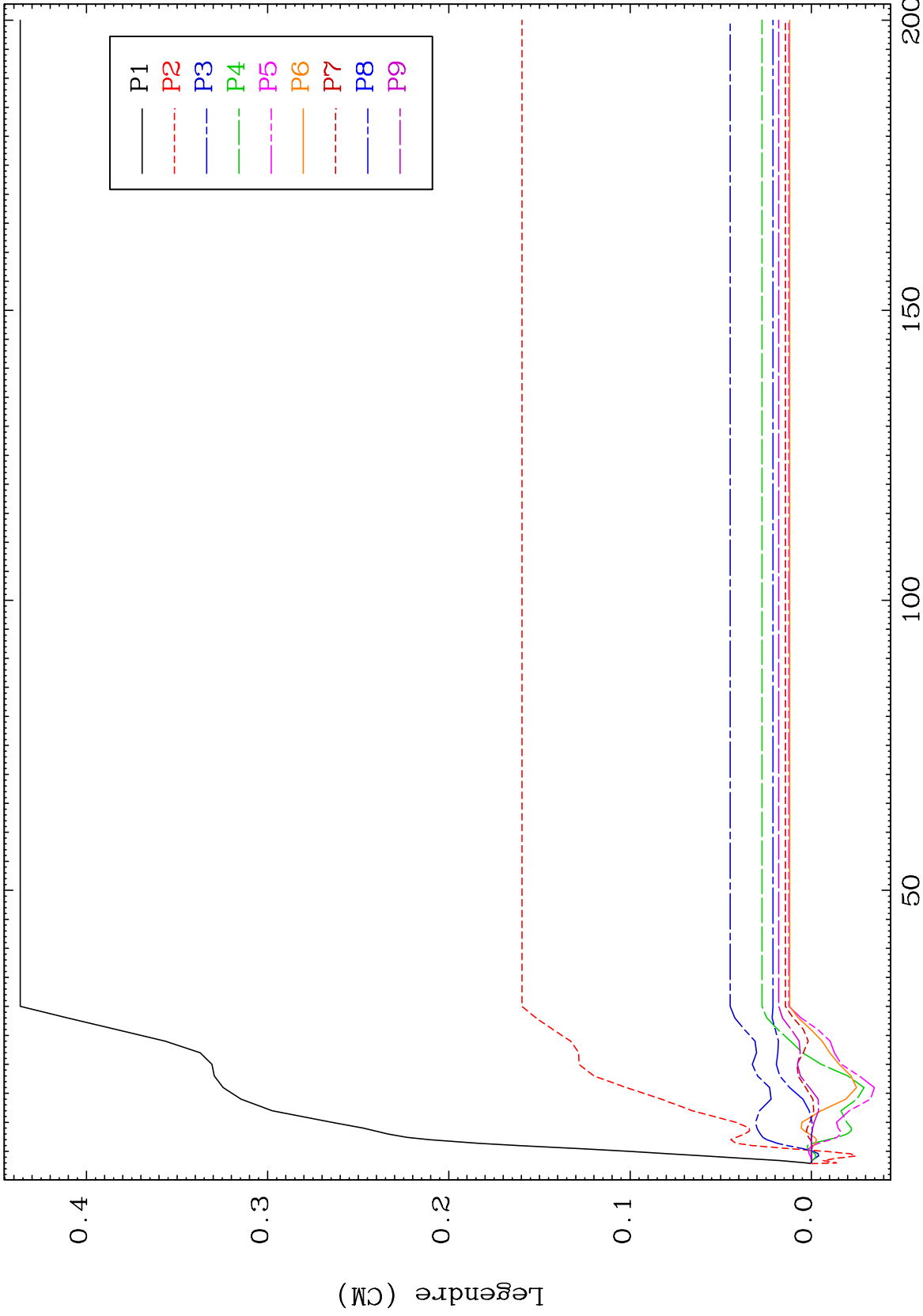


114 40-Zr-91

MAT 4028

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

40-Zr-91



115

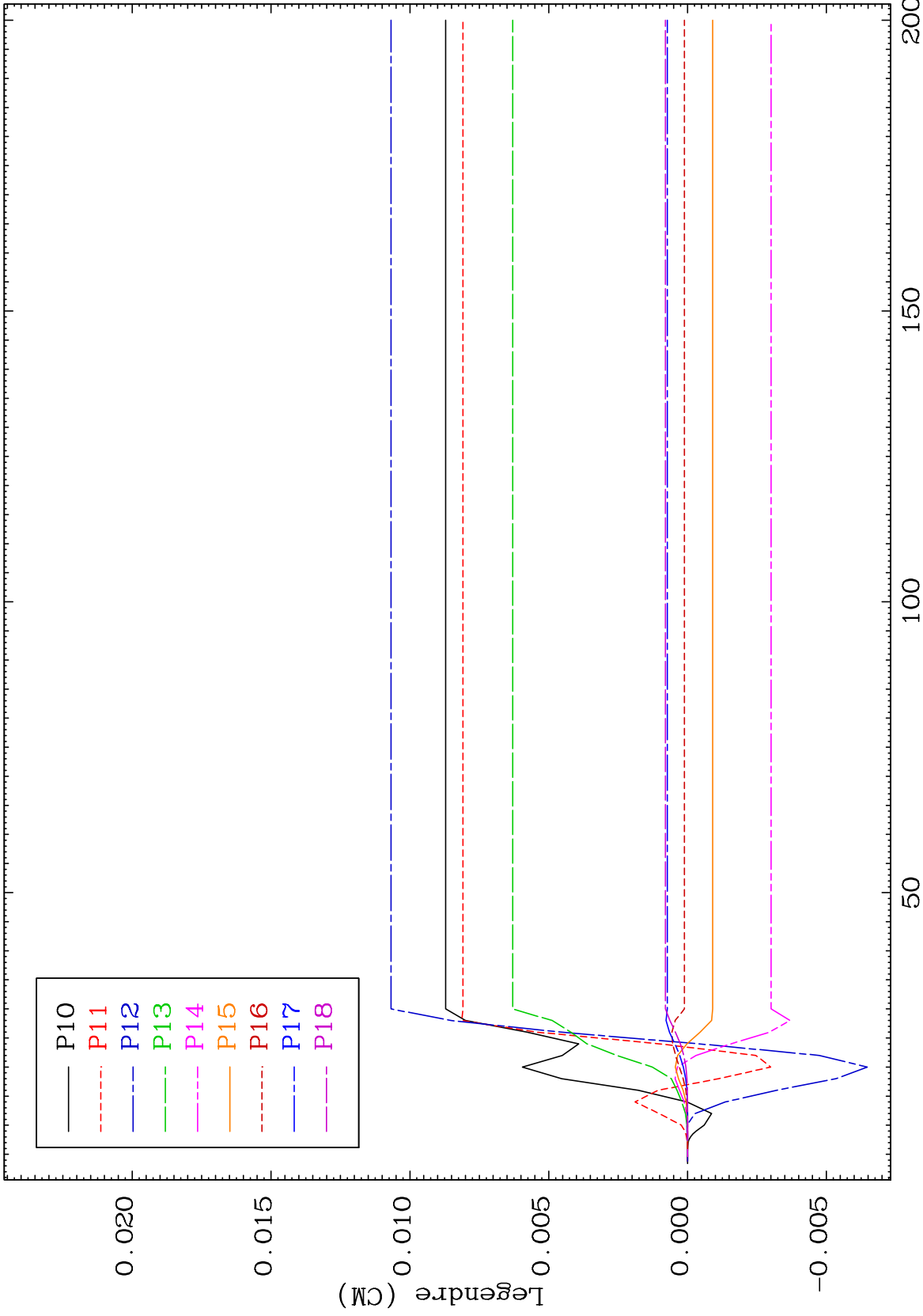
Incident Energy (MeV)

40-Zr-91

MAT 4028

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

40-Zr-91

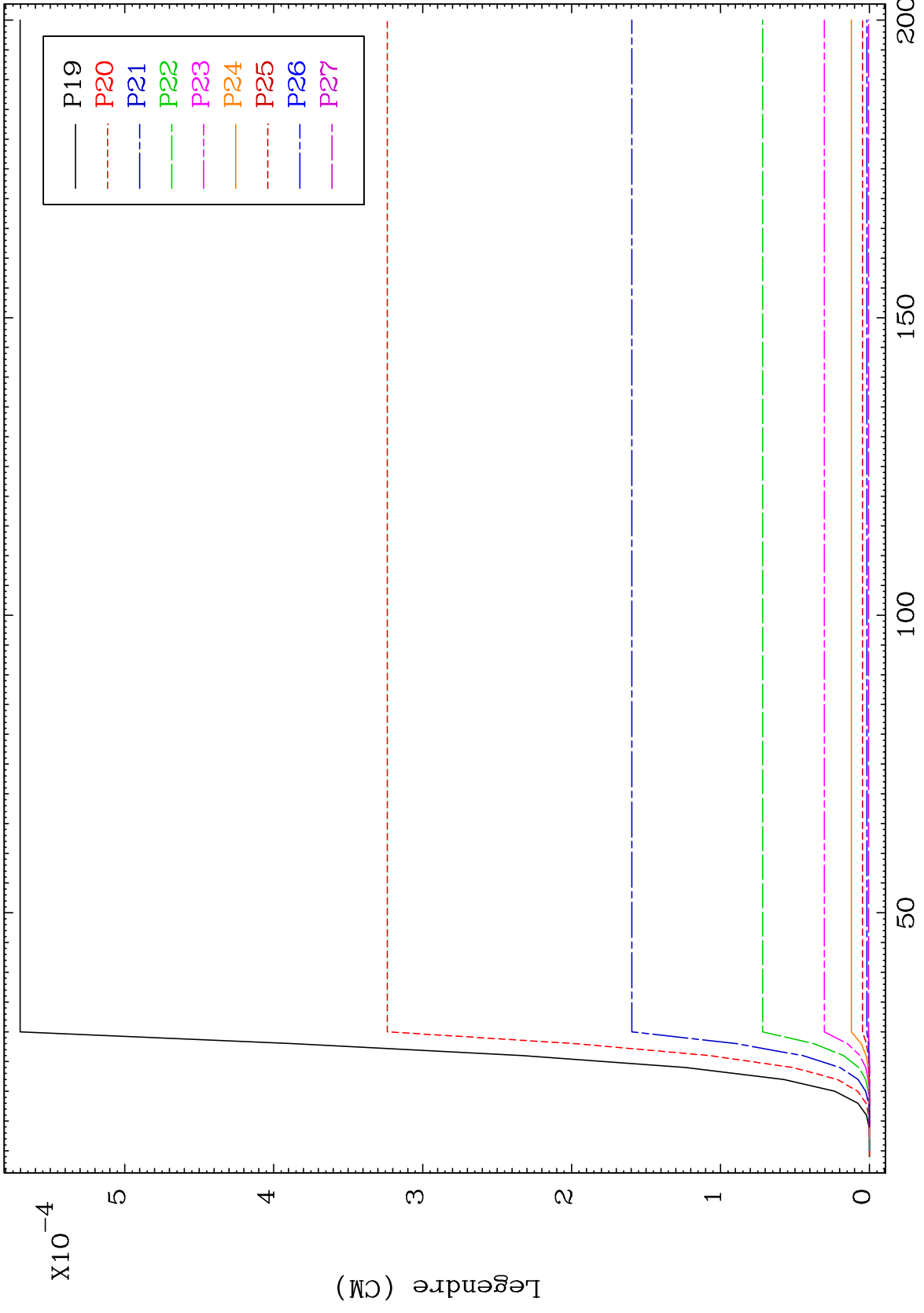


116

Incident Energy (MeV)

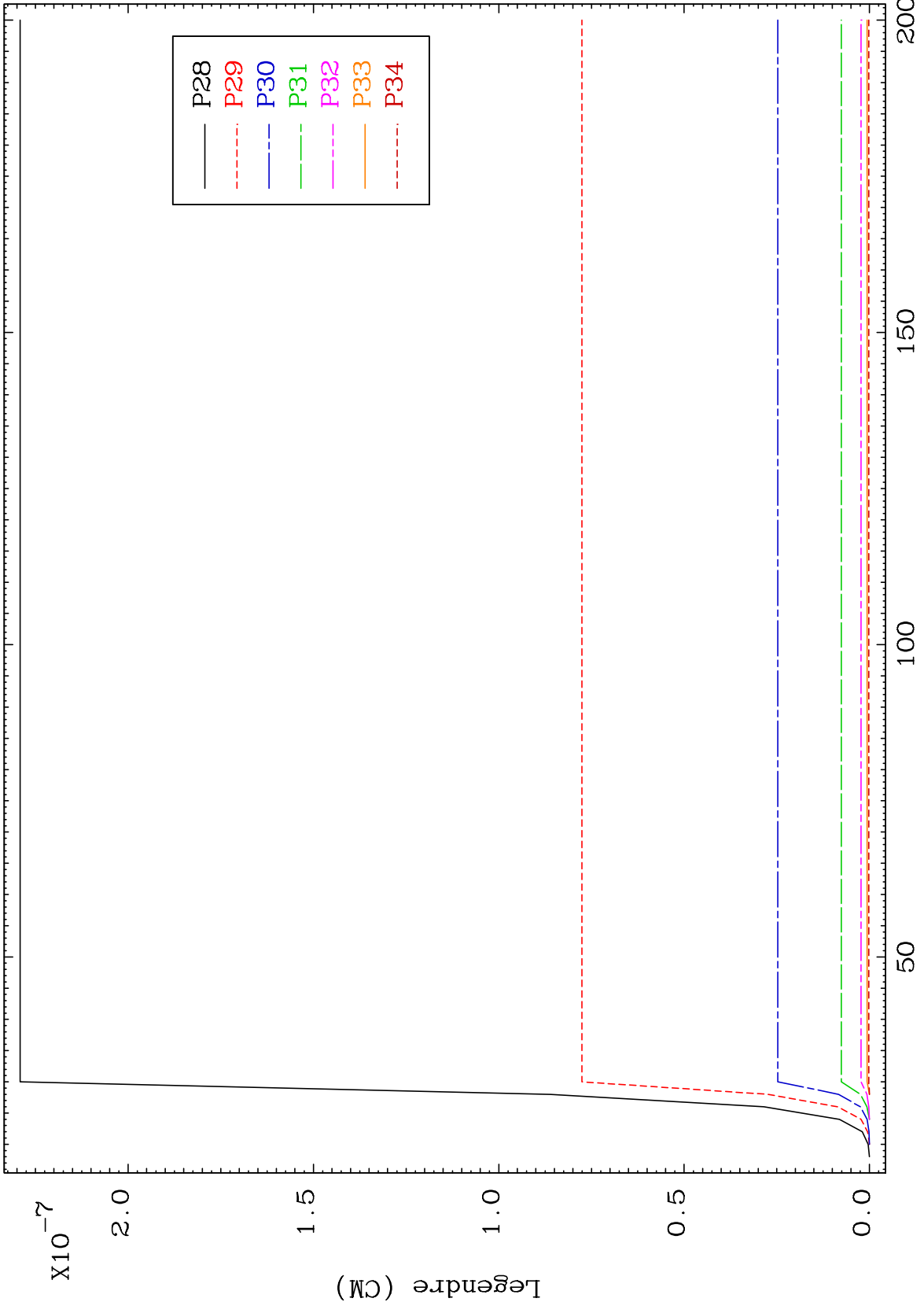
40-Zr-91

MAT 4028 MT= 77 (n,n') Level Legendre Coefficients 40-Zr-91

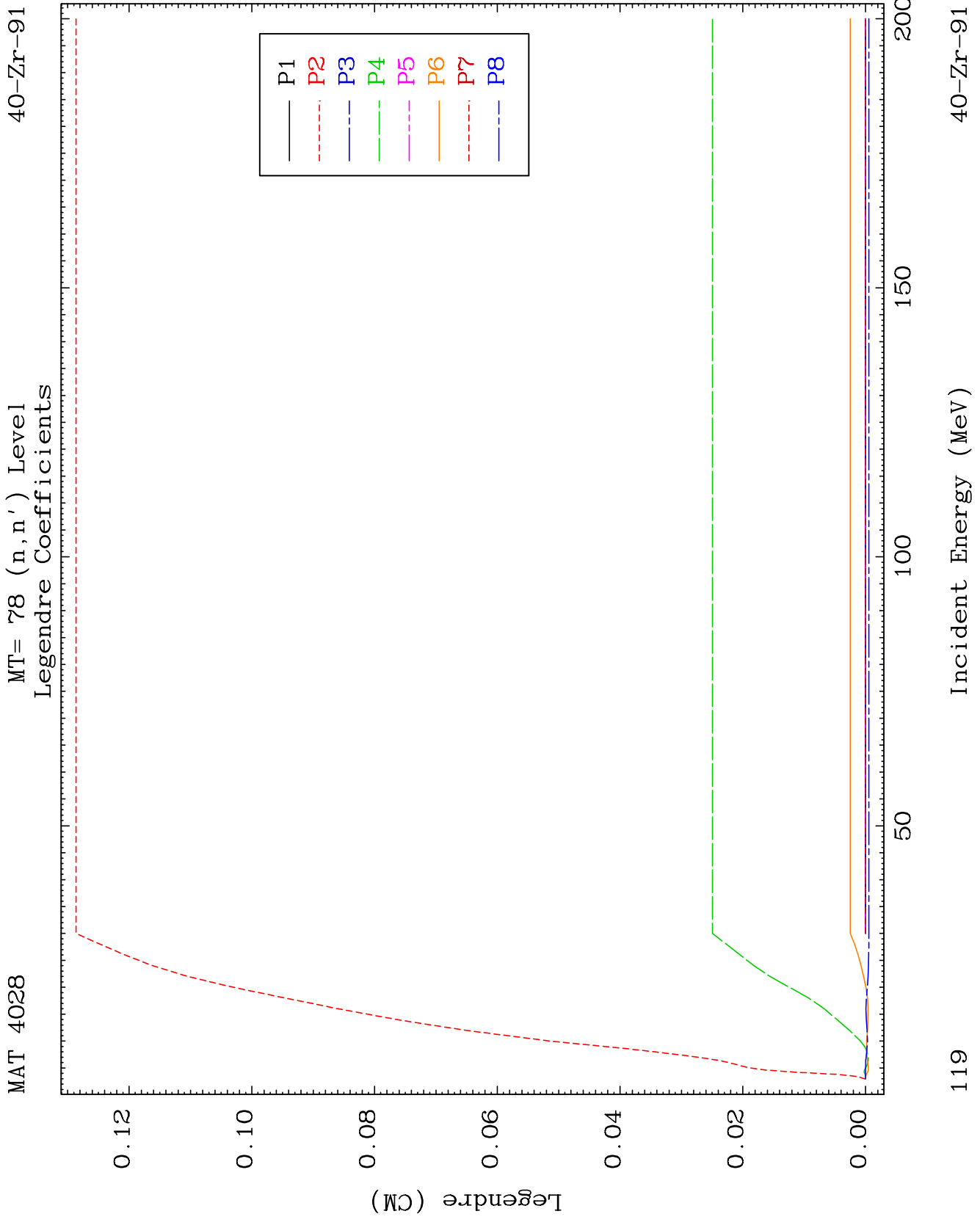


117 40-Zr-91

MAT 4028 MT= 77 (n,n') Level Legendre Coefficients 40-Zr-91

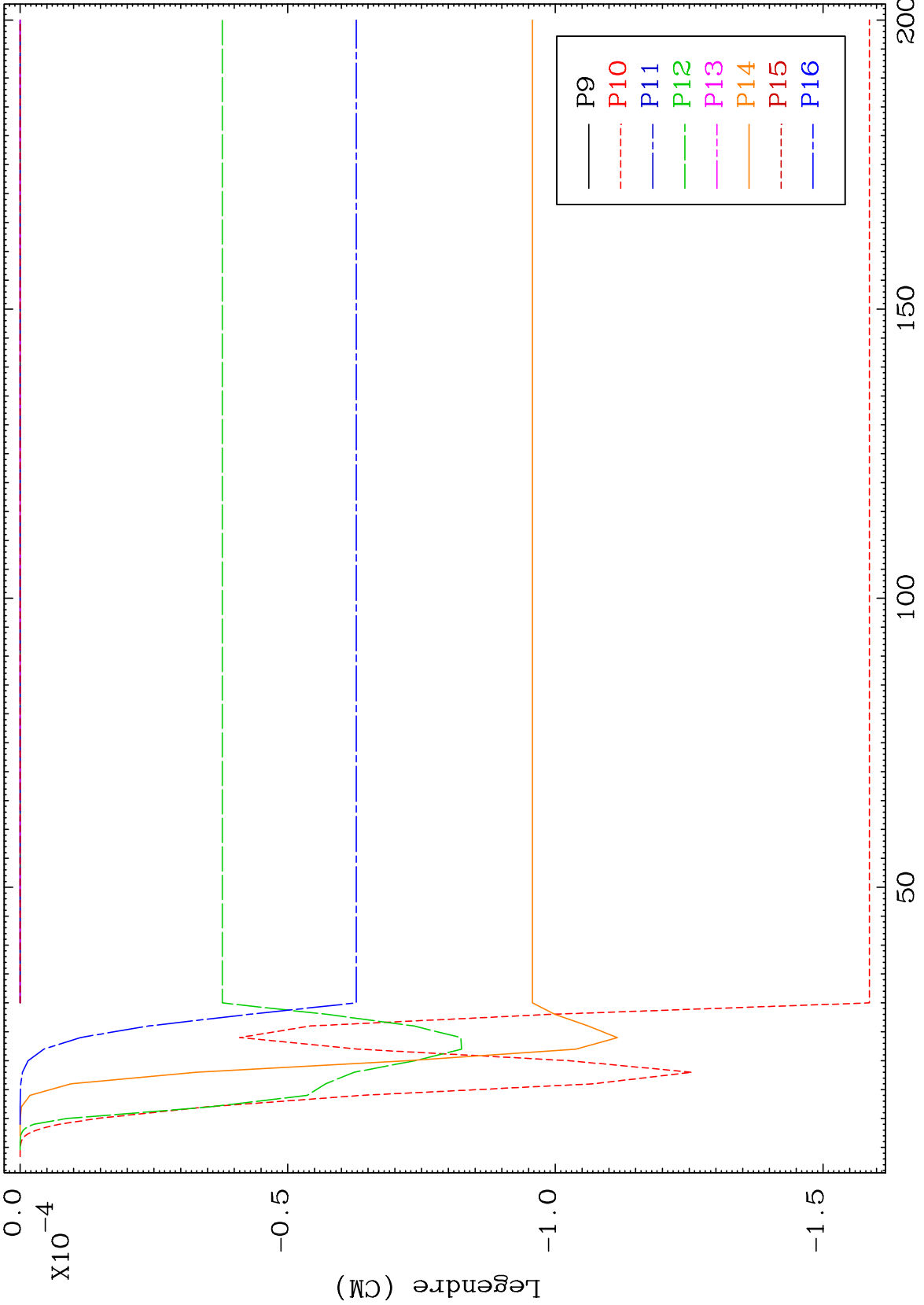


118 40-Zr-91

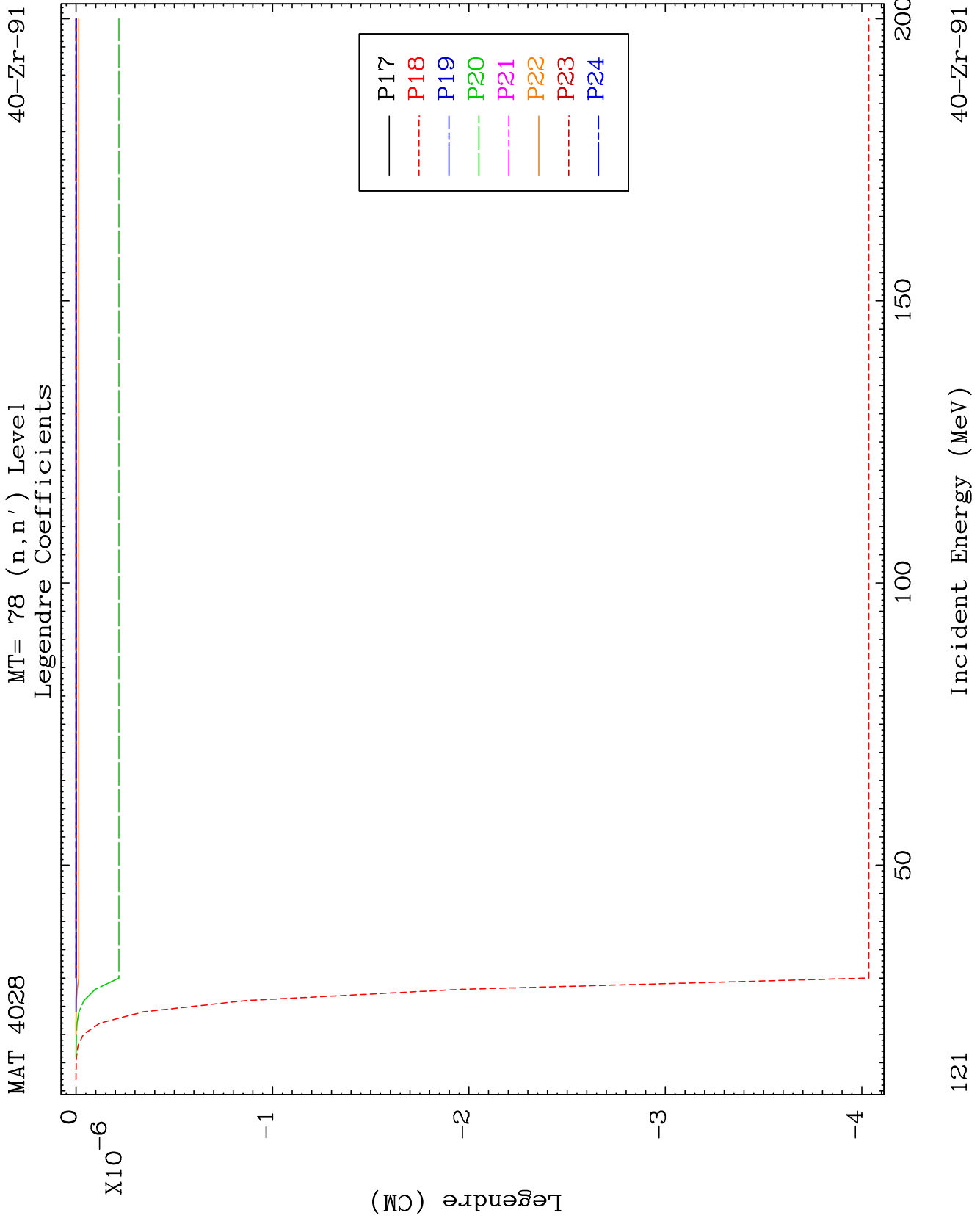


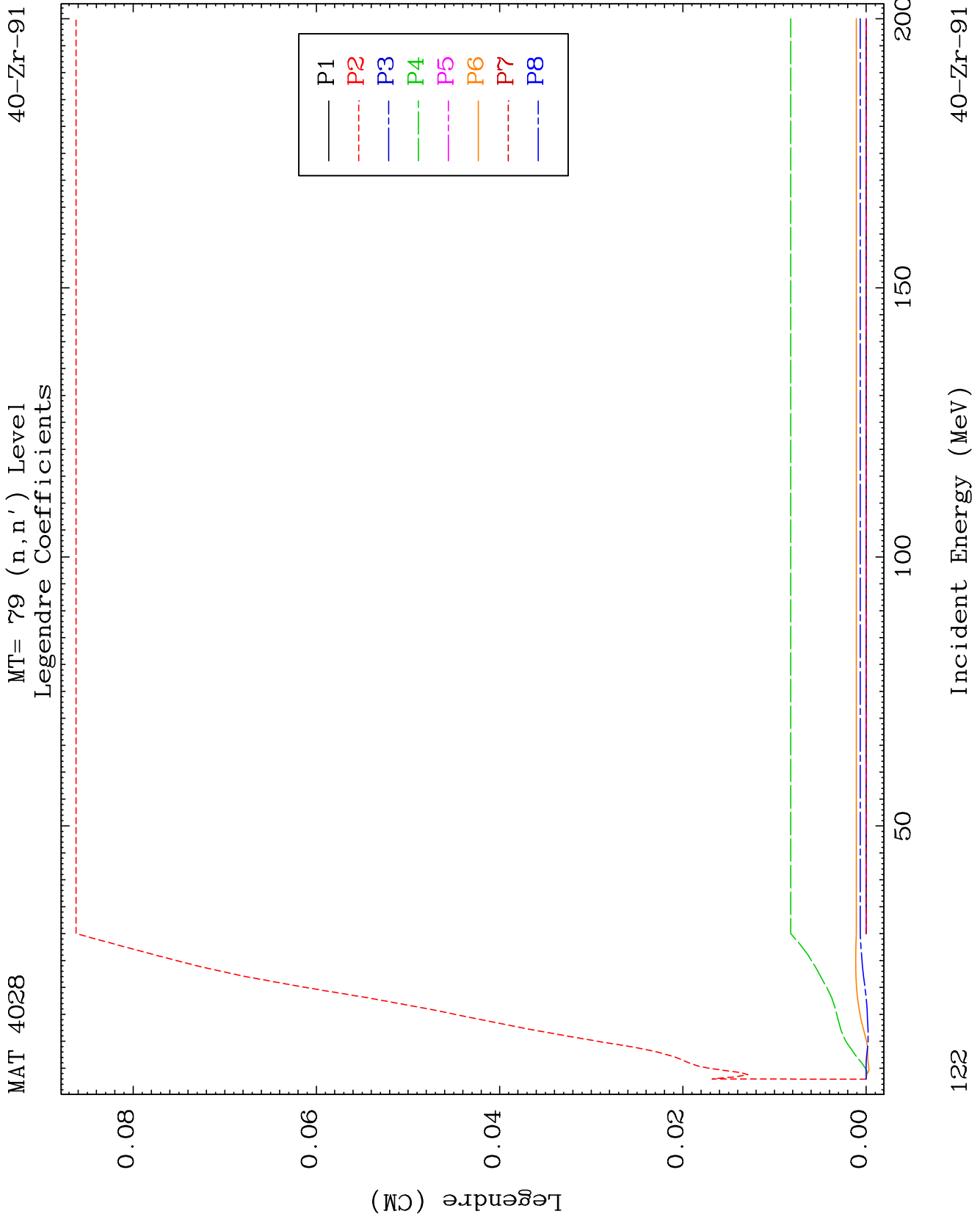


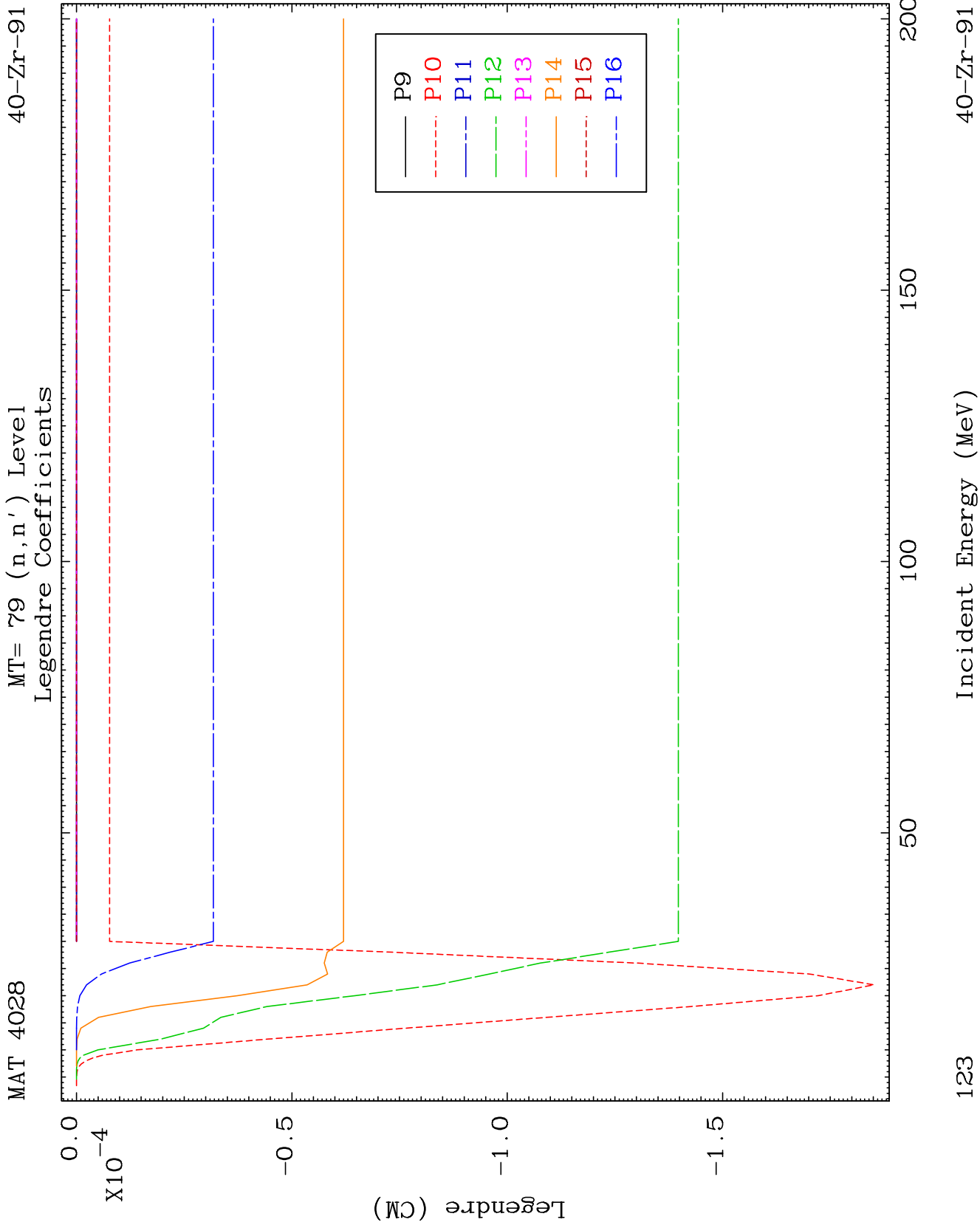
MAT 4028 MT= 78 (n,n') Level Legendre Coefficients 40-Zr-91

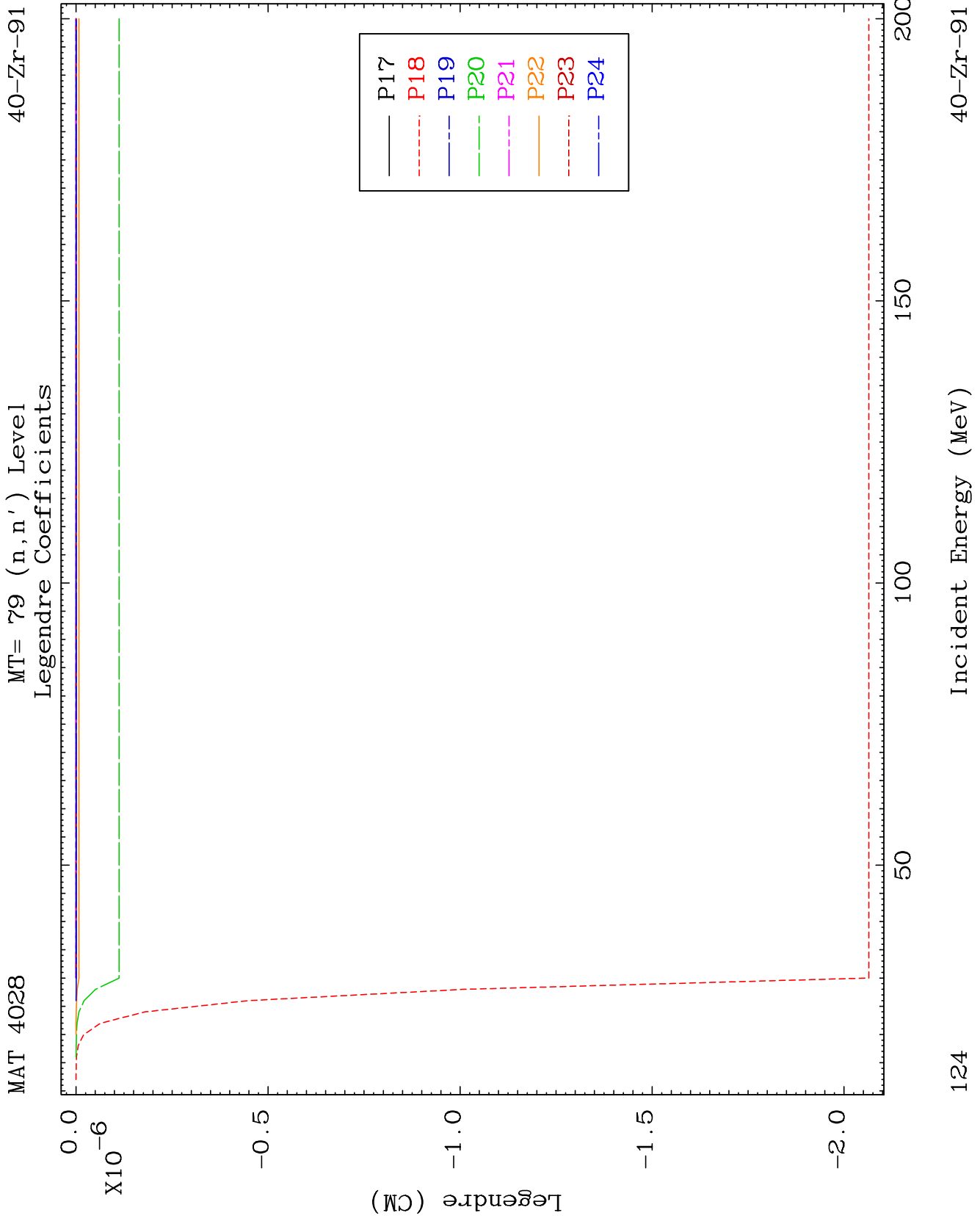


120 Incident Energy (MeV) 40-Zr-91

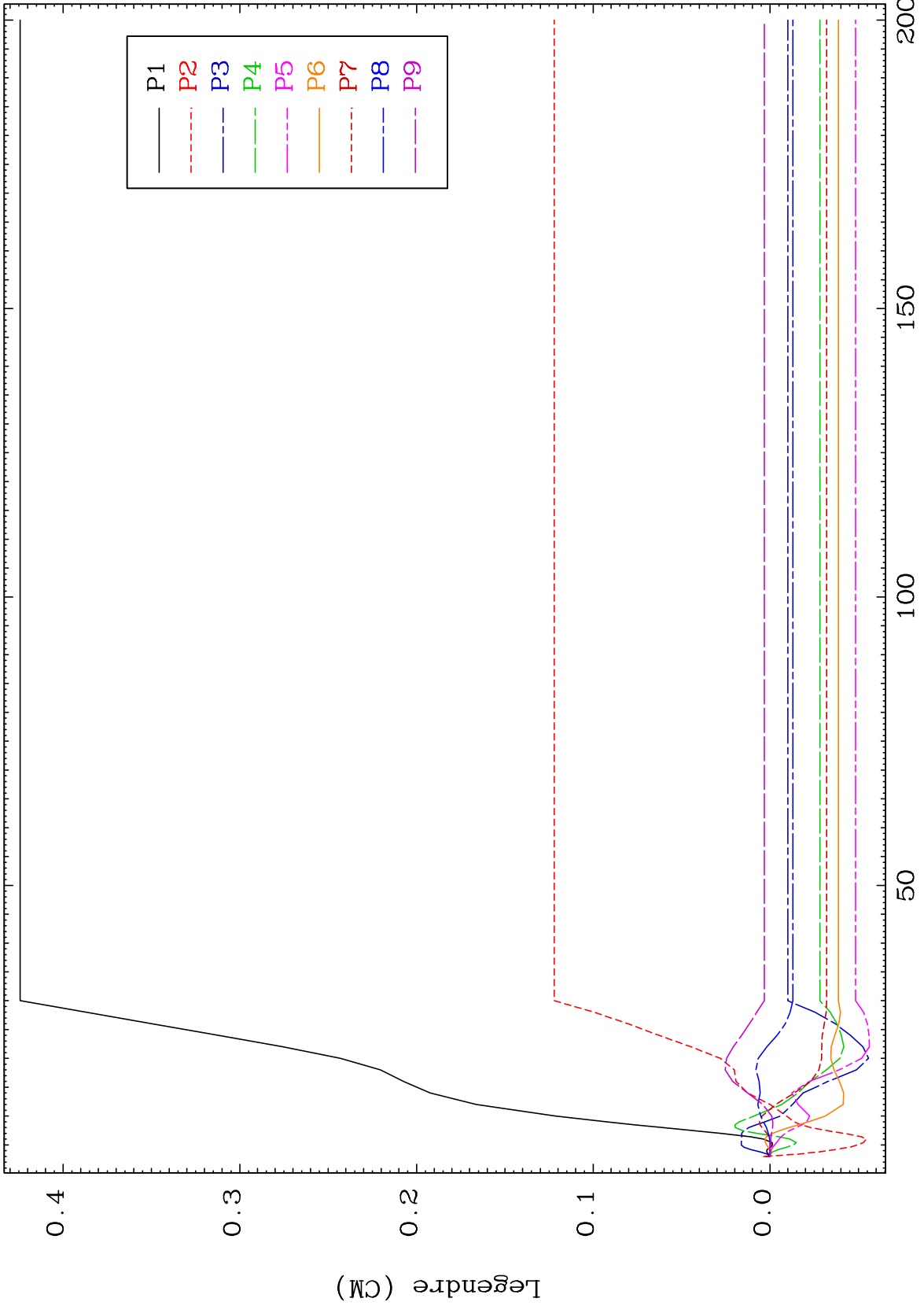








MAT 4028 MT= 80 (n,n') Level Legendre Coefficients 40-Zr-91

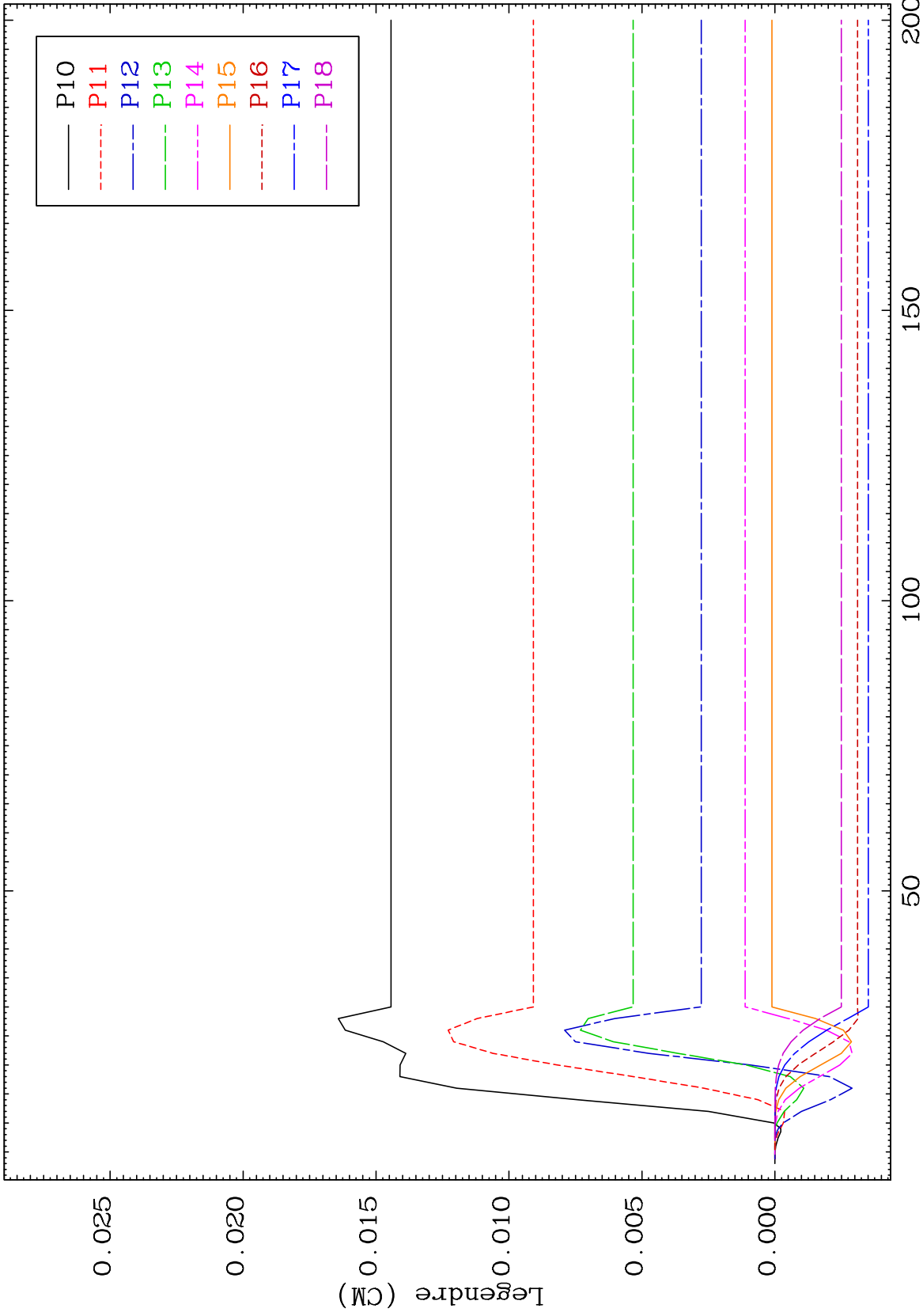


125 Incident Energy (MeV) 40-Zr-91

MAT 4028

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

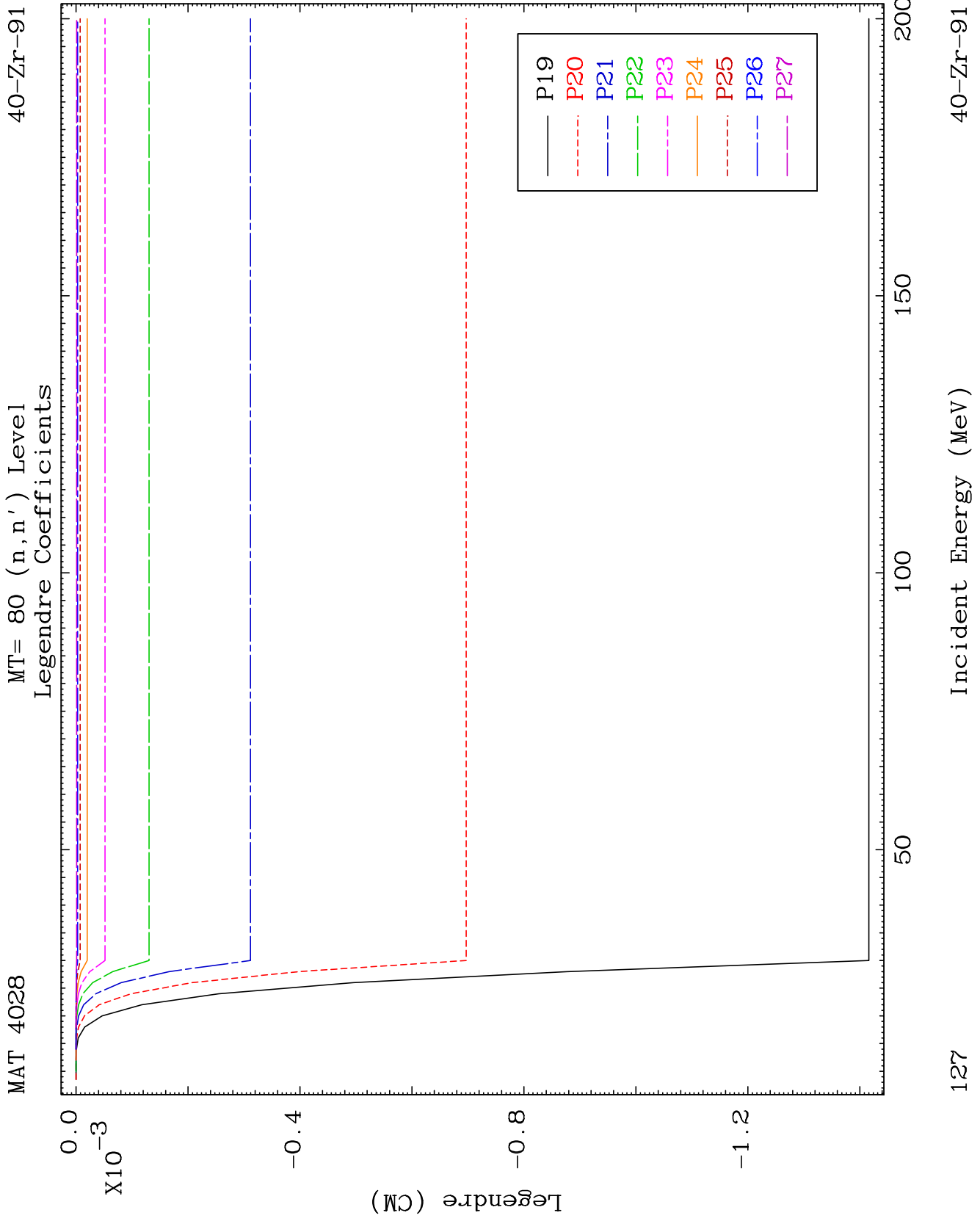
40-Zr-91



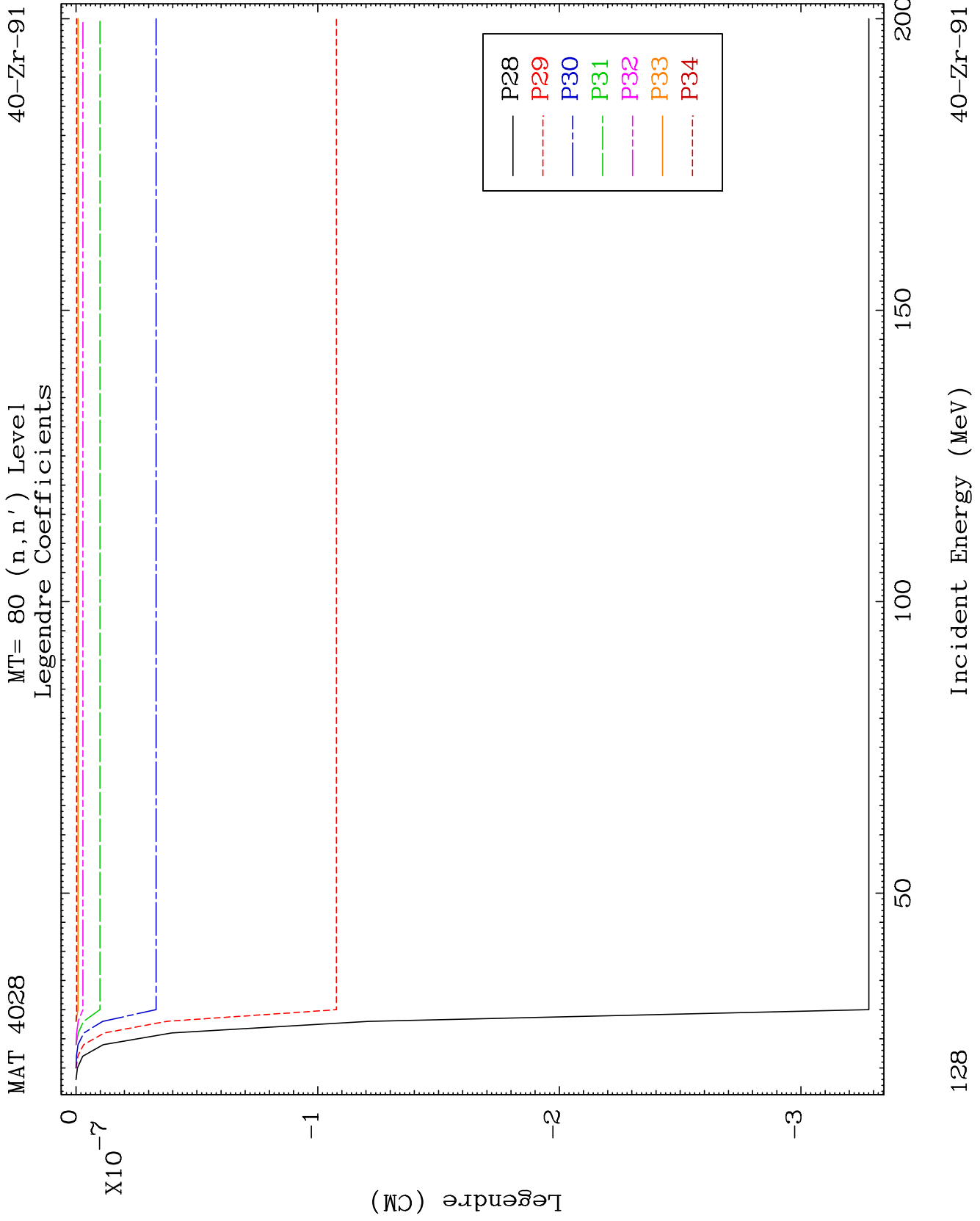
126

Incident Energy (MeV)

40-Zr-91



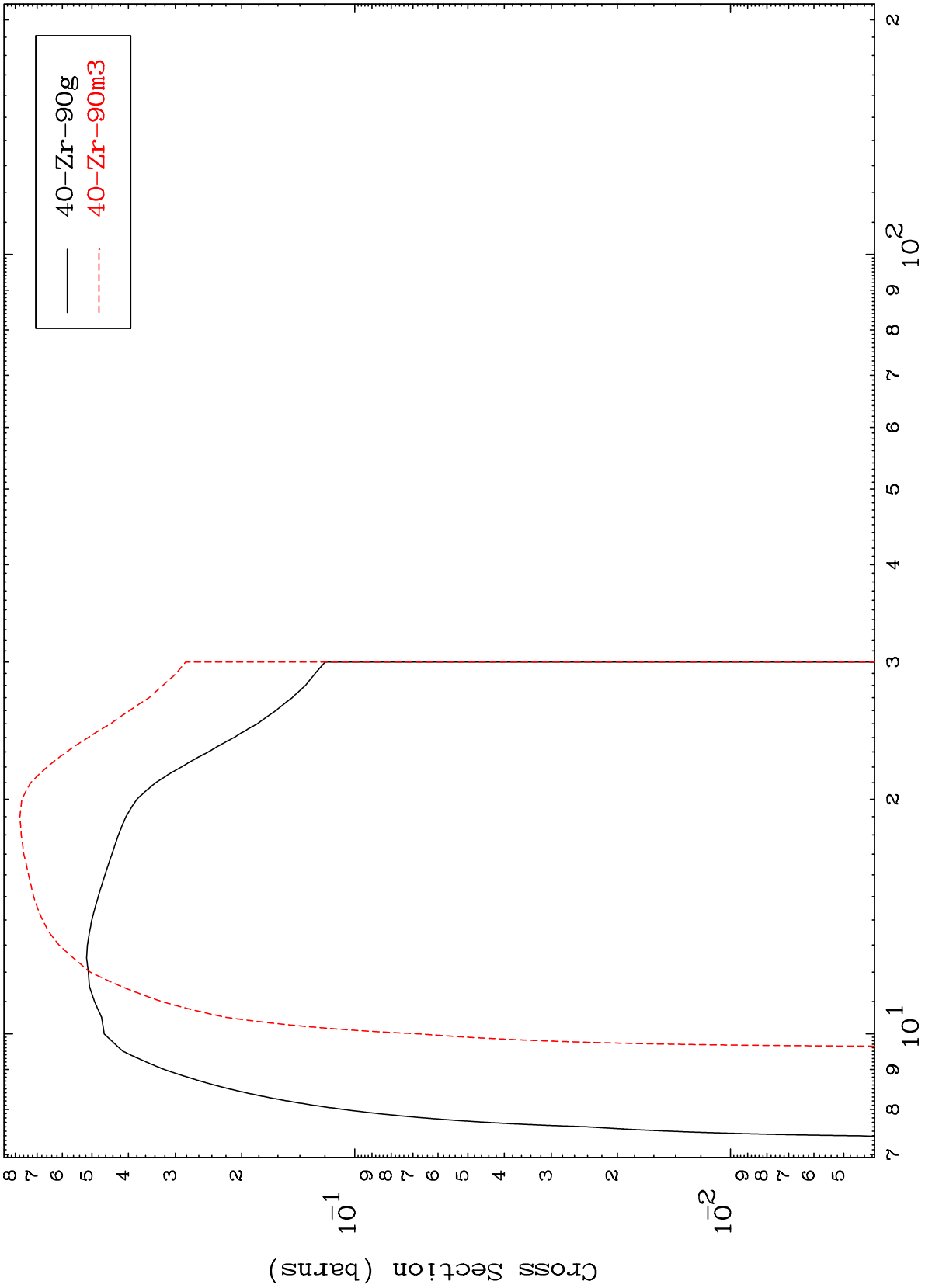




MAT 4028

40-Zr-91

(n,2n)  
Radionuclide Production Cross Section



— 40-Zr-90g  
- - - 40-Zr-90m3

129

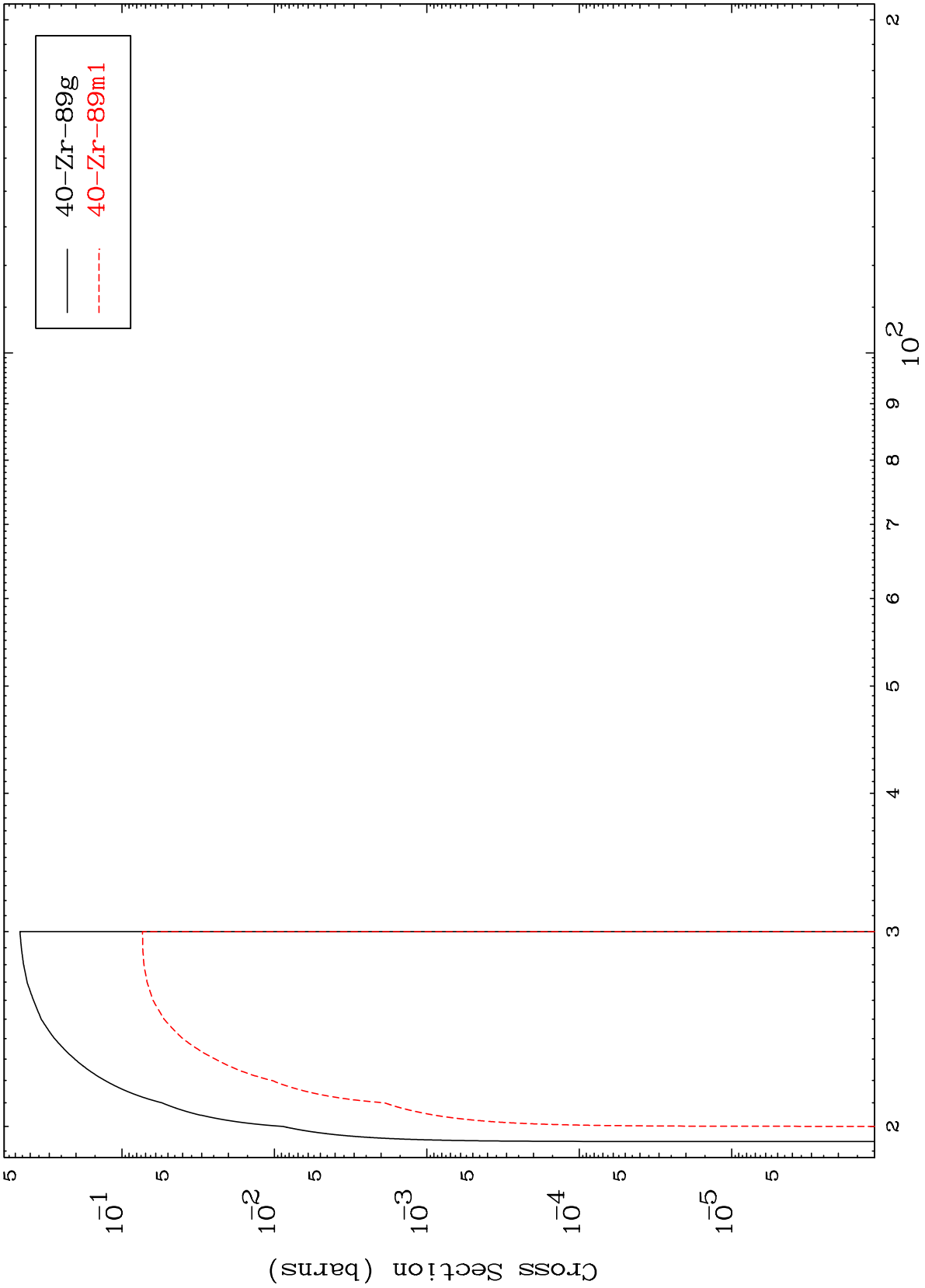
Incident Energy (MeV)

40-Zr-91

MAT 4028

40-Zr-91

(n,3n)  
Radionuclide Production Cross Section



130

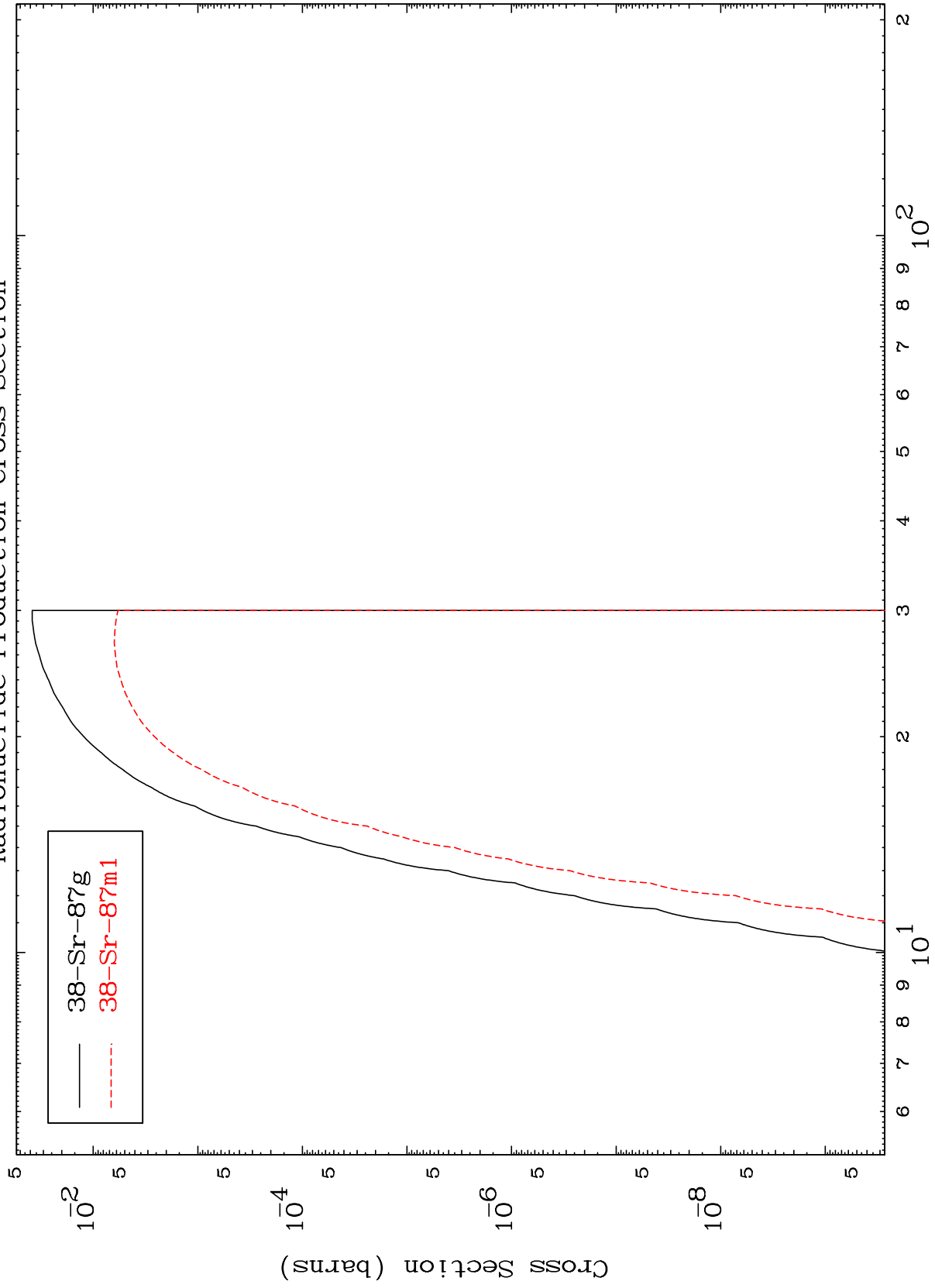
40-Zr-91

MAT 4028

(n,n')  $\alpha$

40-Zr-91

Radionuclide Production Cross Section



— 38-Sr-87g  
- - - 38-Sr-87m1

131

Incident Energy (MeV)

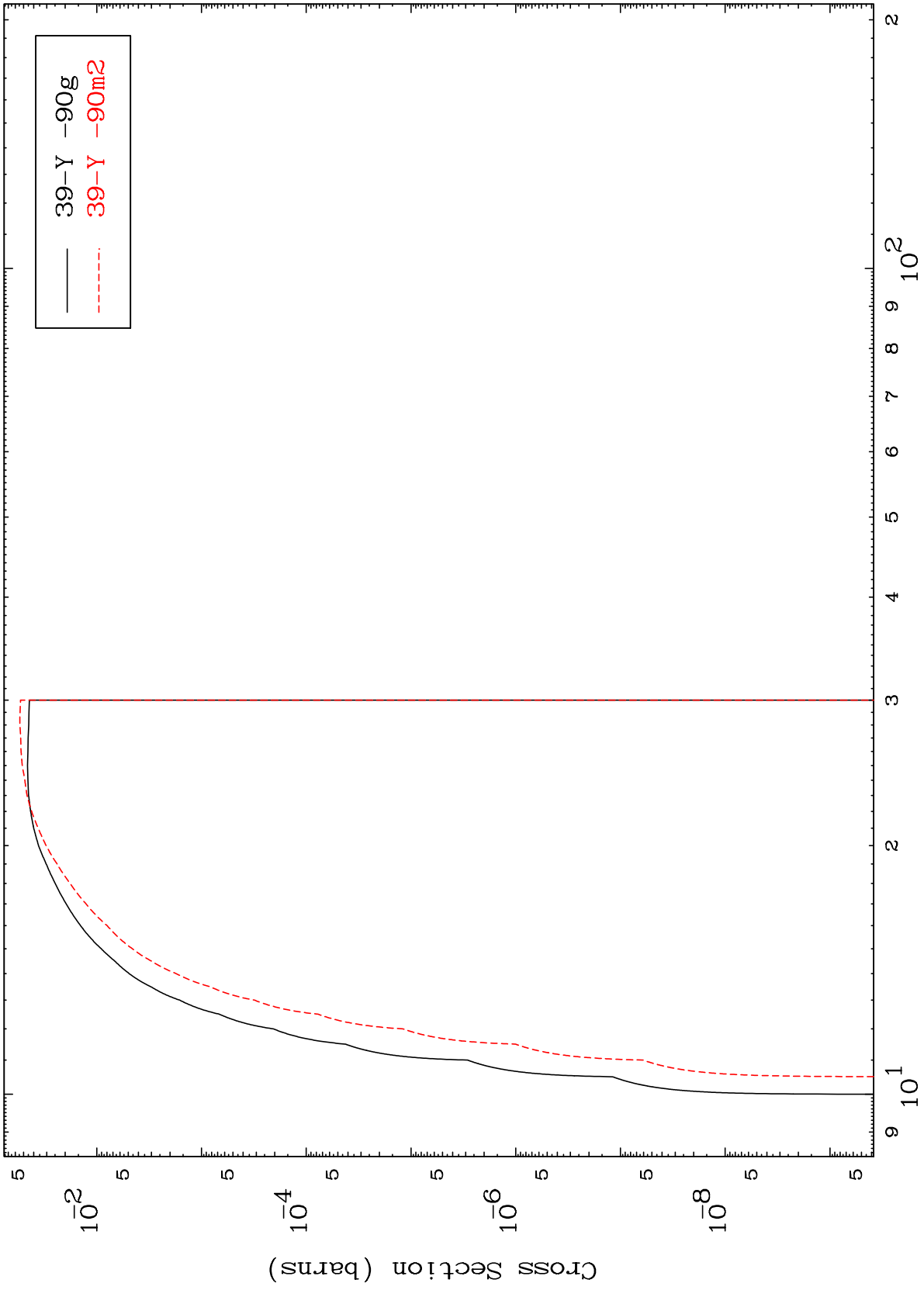
40-Zr-91

MAT 4028

(n,n') p

40-Zr-91

Radionuclide Production Cross Section



132

Incident Energy (MeV)

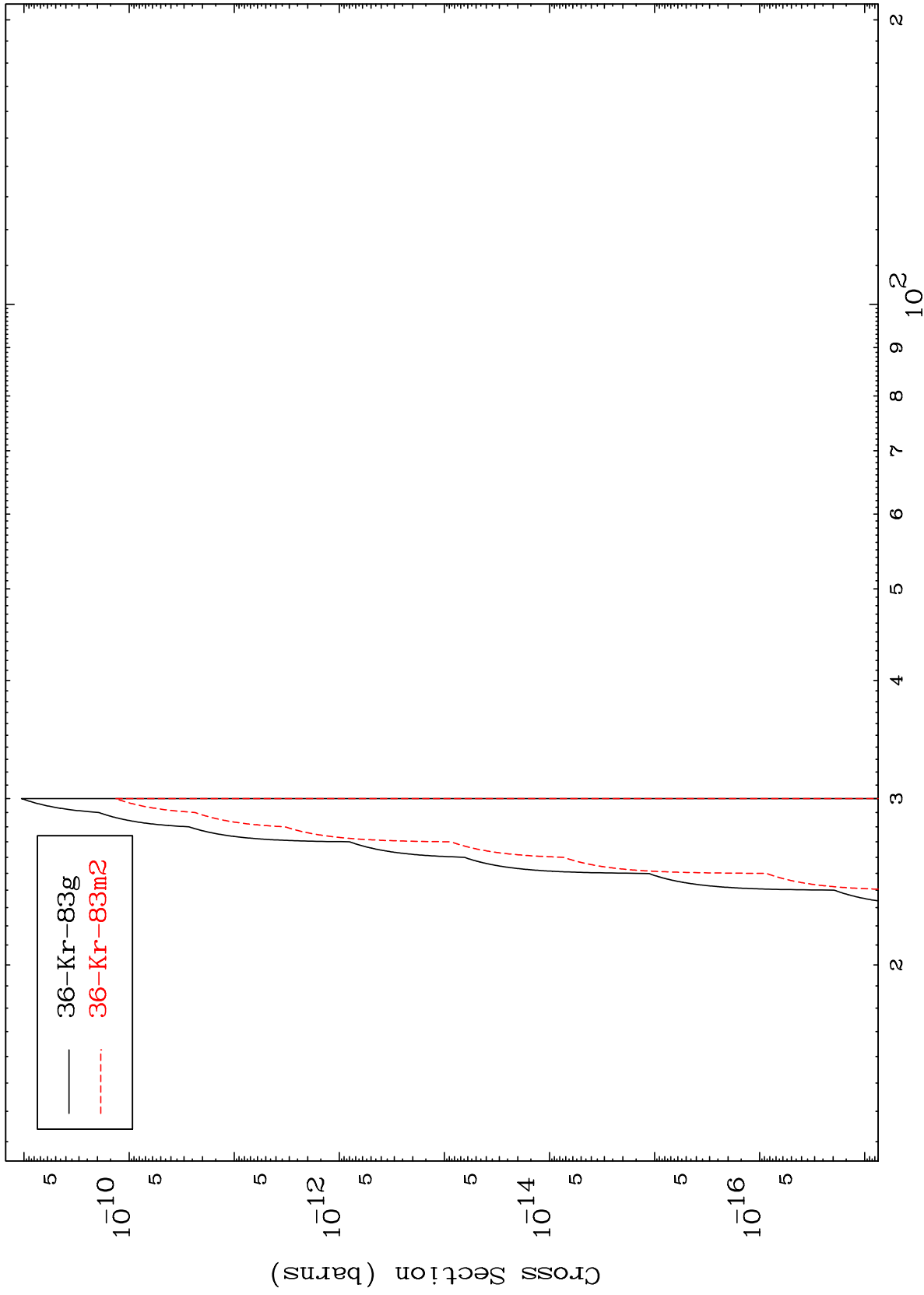
40-Zr-91

MAT 4028

(n,n') 2 $\alpha$

40-Zr-91

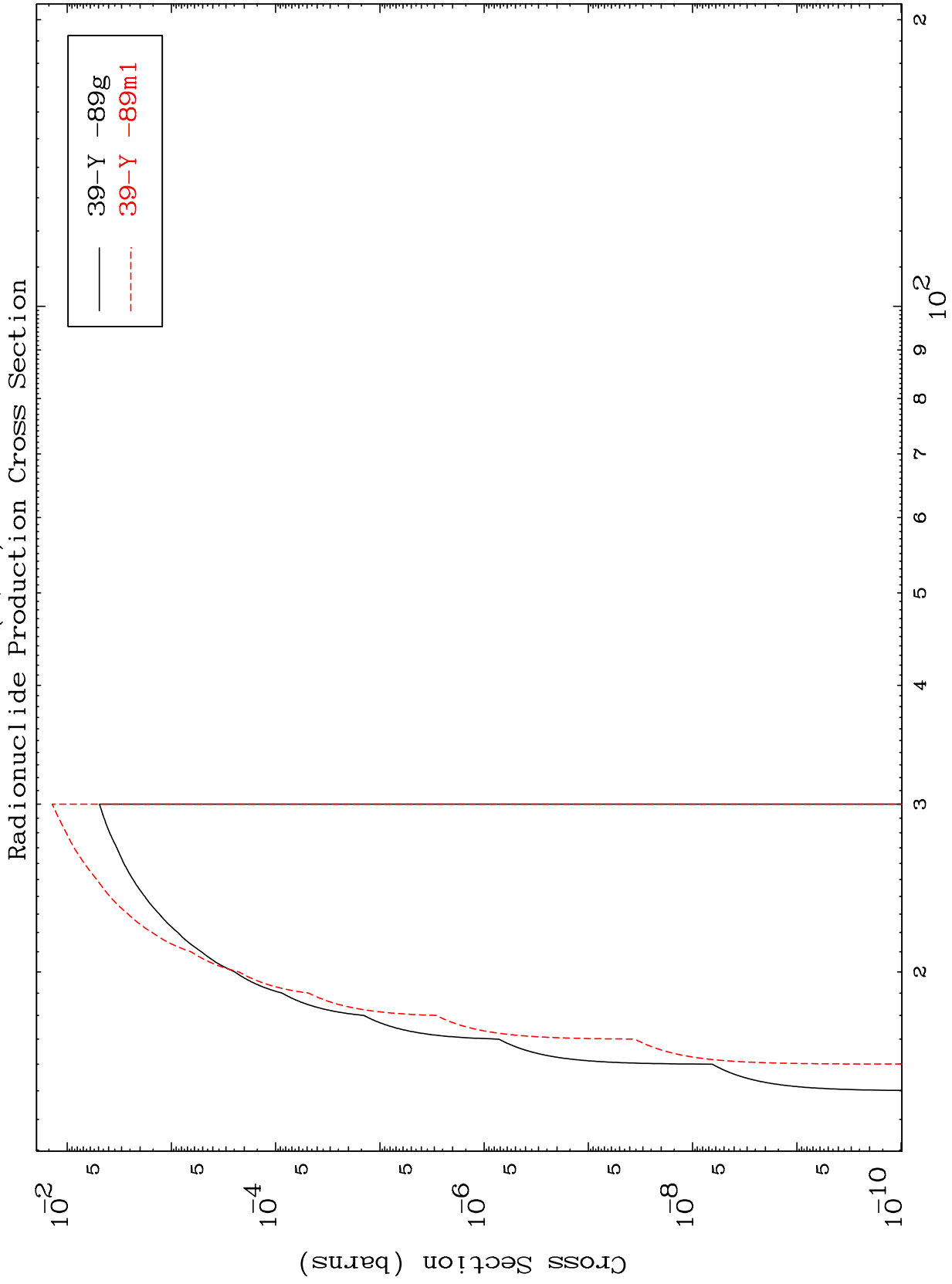
Radionuclide Production Cross Section



133

Incident Energy (MeV)

40-Zr-91

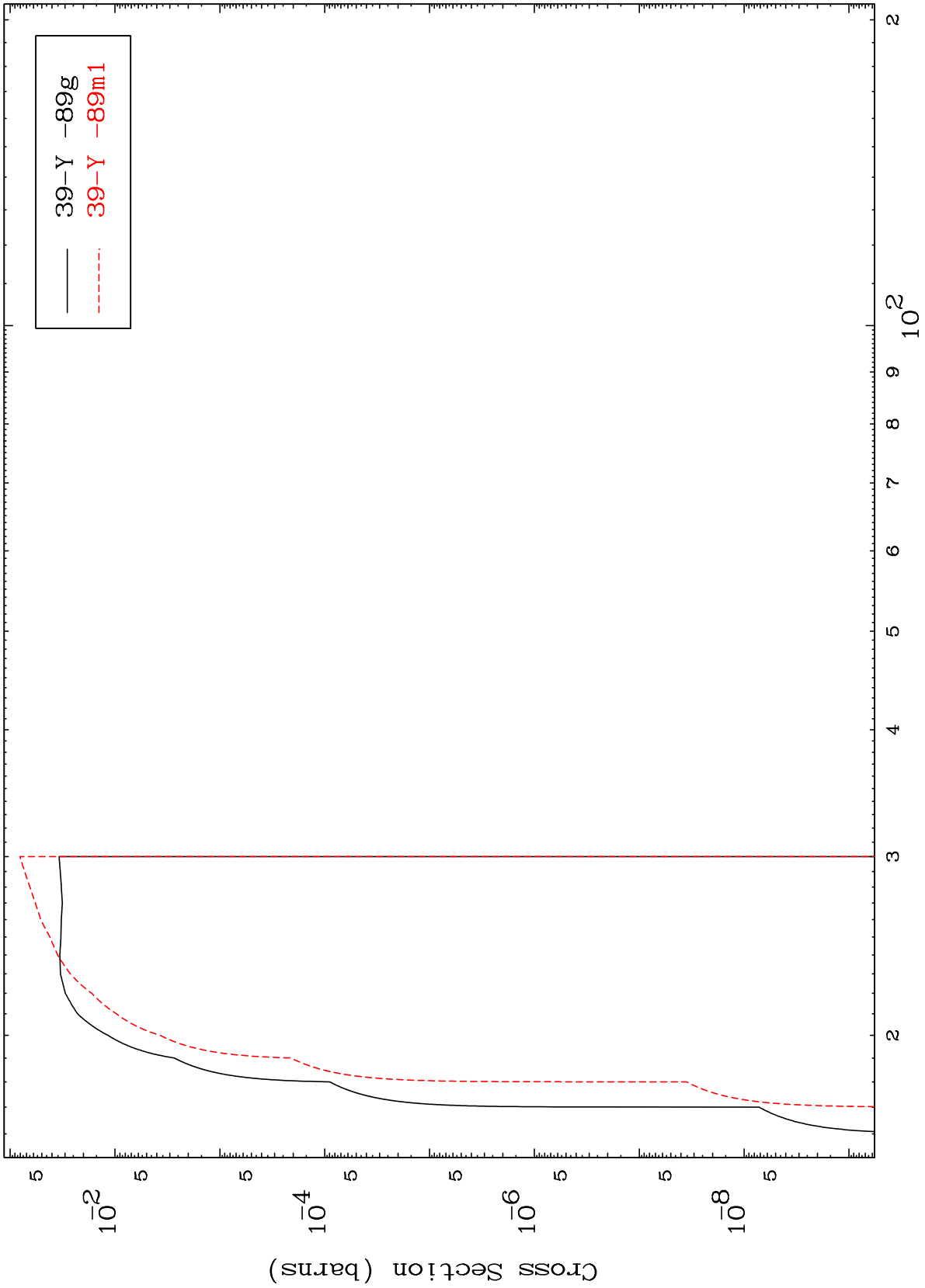


MAT 4028

(n,2n) p

40-Zr-91

Radionuclide Production Cross Section



135

Incident Energy (MeV)

40-Zr-91

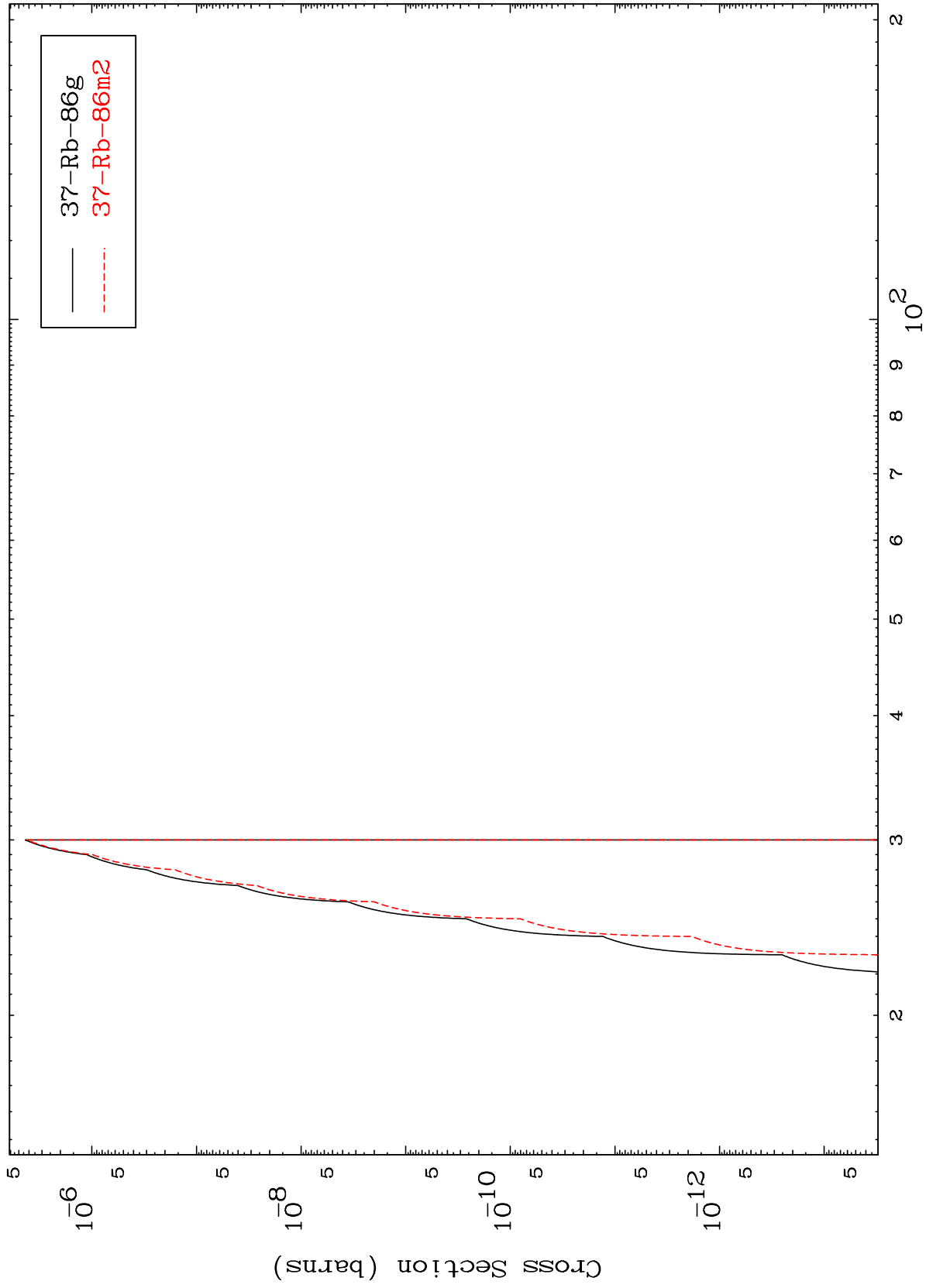


MAT 4028

(n,n') p  $\alpha$

40-Zr-91

Radionuclide Production Cross Section



136

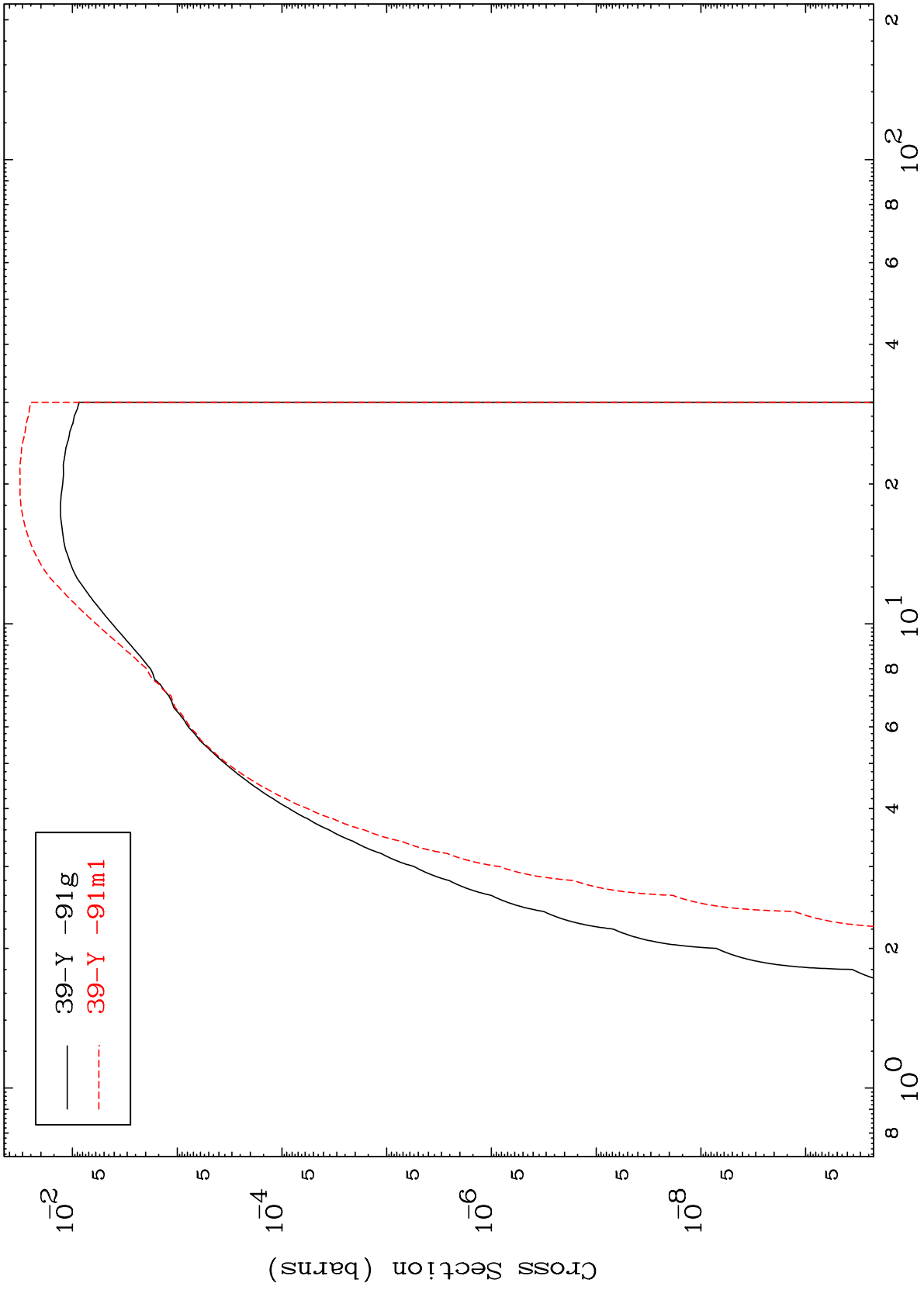
Incident Energy (MeV)

40-Zr-91

MAT 4028

40-Zr-91

Radionuclide Production Cross Section (n,p)



137

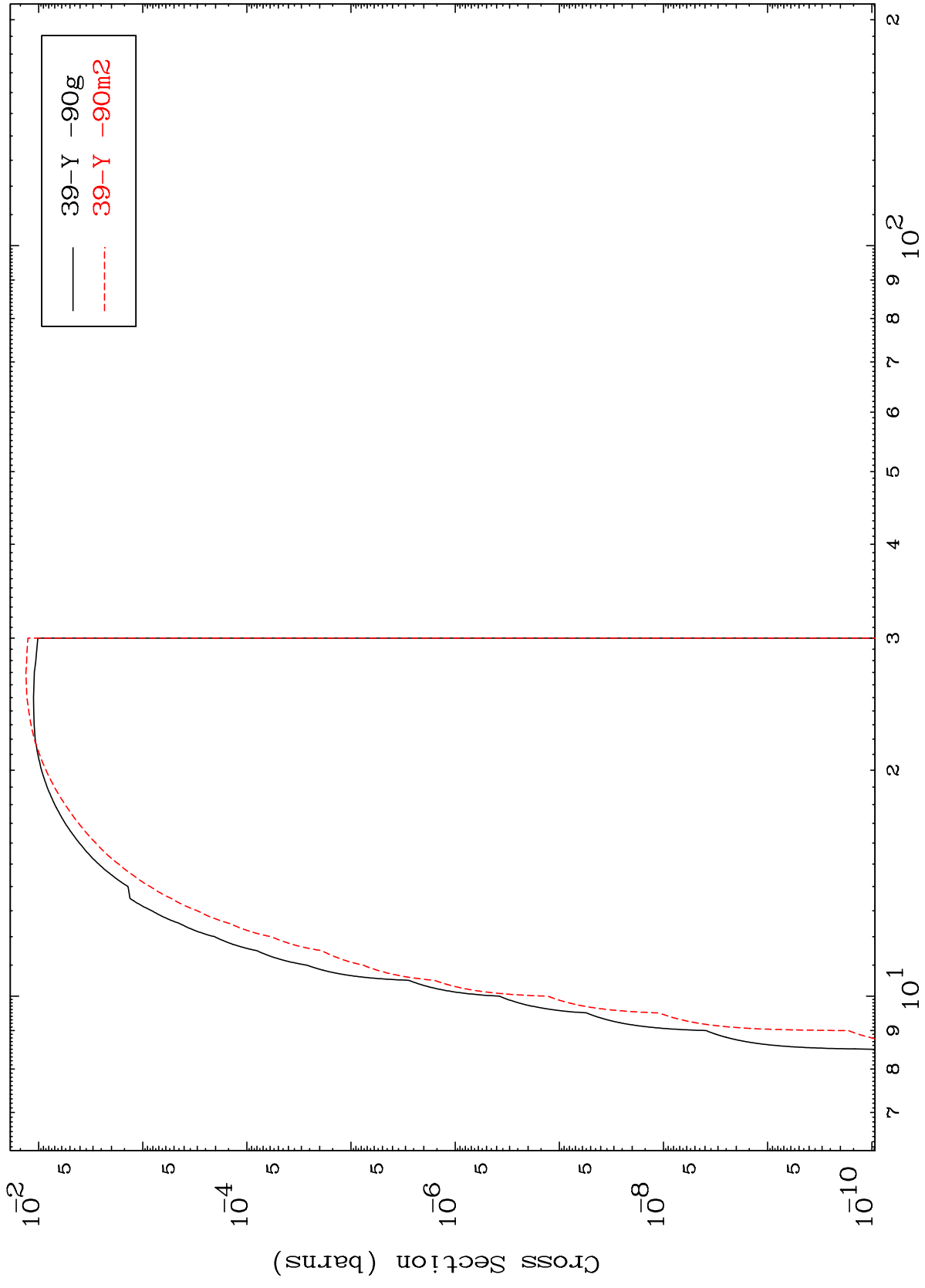
Incident Energy (MeV)

40-Zr-91

MAT 4028

40-Zr-91

(n,d)  
Radionuclide Production Cross Section



39-Y -90g  
39-Y -90m2

138

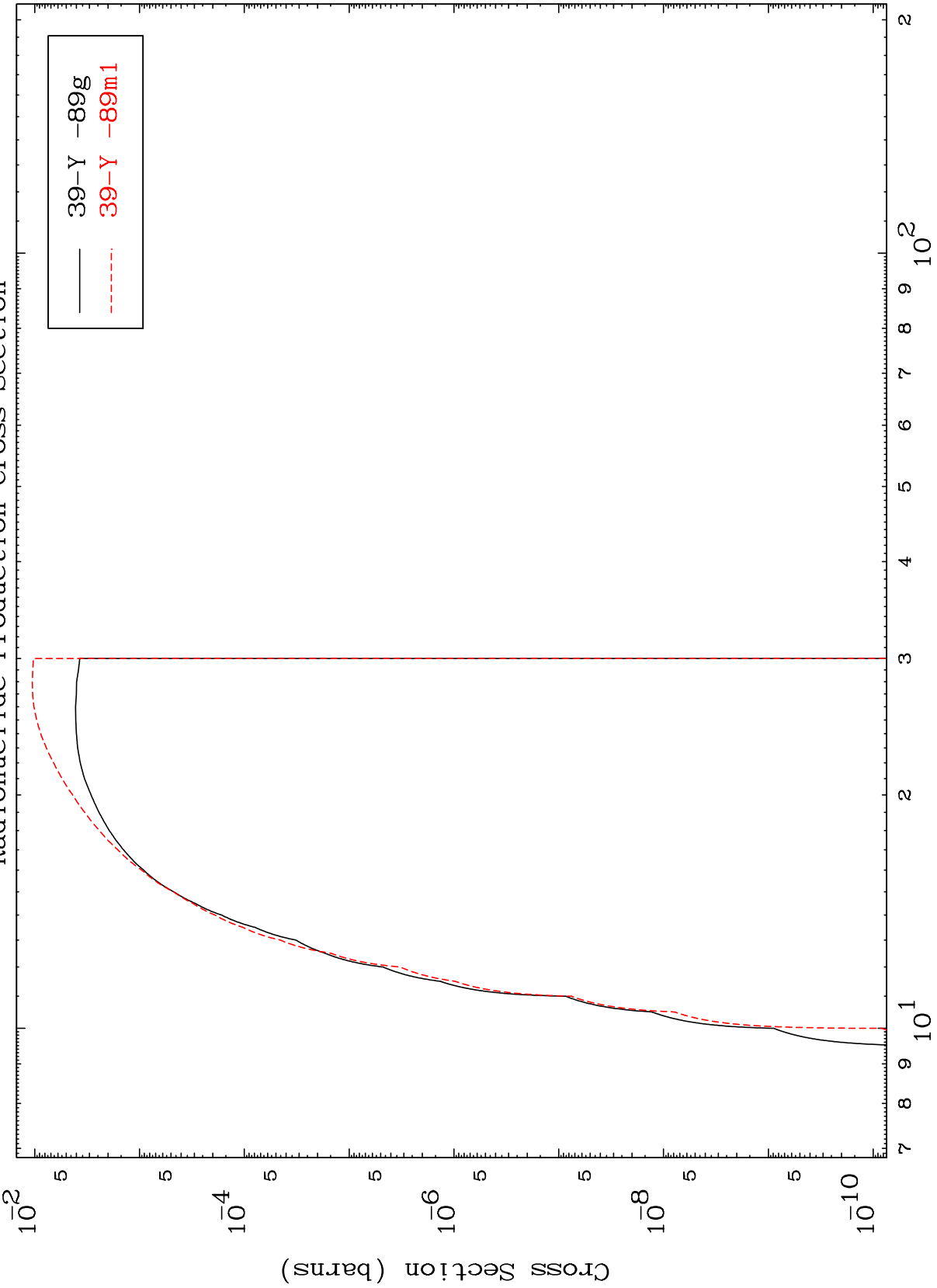
40-Zr-91

Incident Energy (MeV)

MAT 4028

40-Zr-91

(n, t)  
Radionuclide Production Cross Section



139

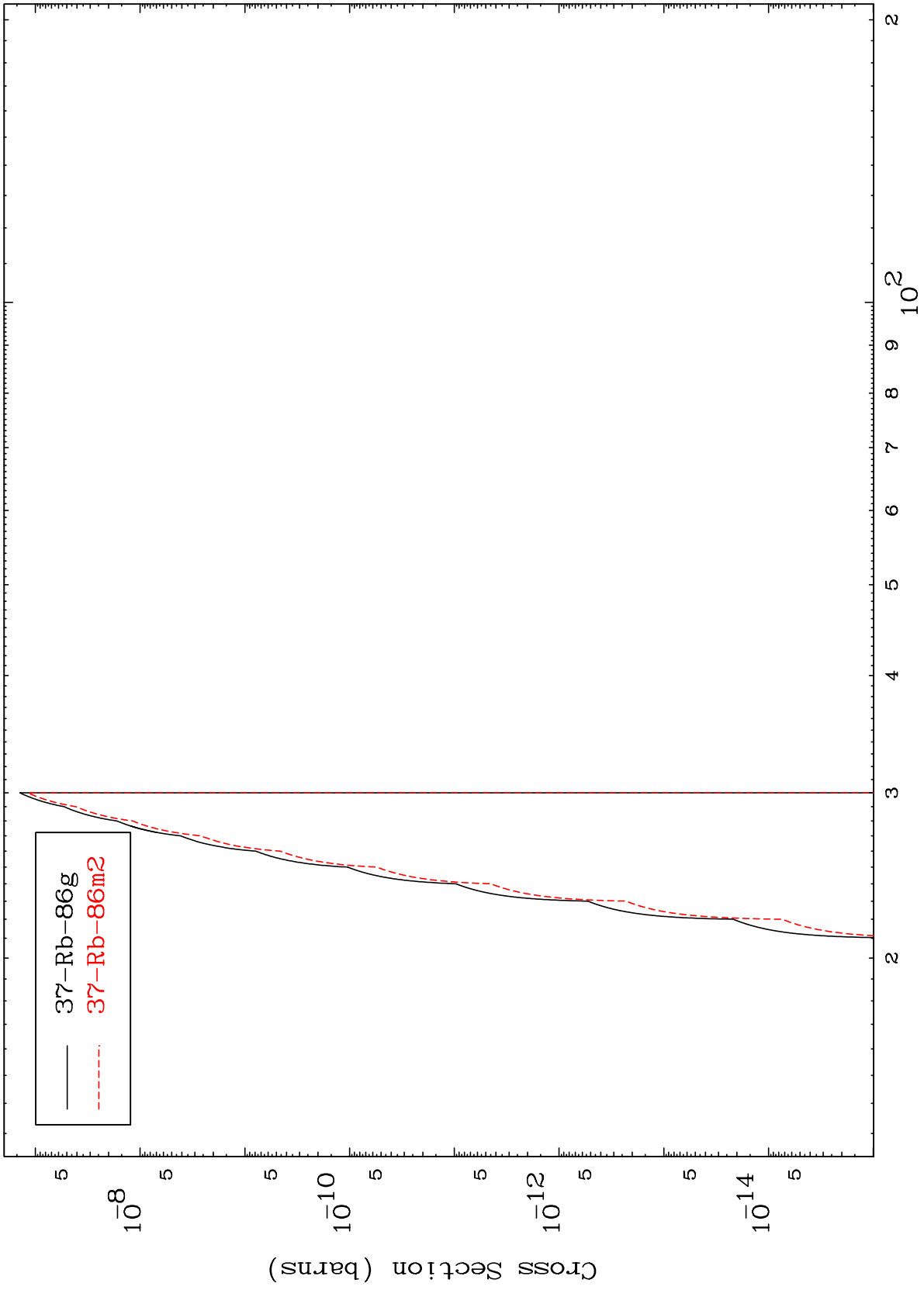
40-Zr-91

MAT 4028

(n,d)  $\alpha$

40-Zr-91

Radionuclide Production Cross Section



140

Incident Energy (MeV)

40-Zr-91