

Program EVALPLOT
(Version 2017-1)

by

Dermott E. Cullen
(Present Contact Information)

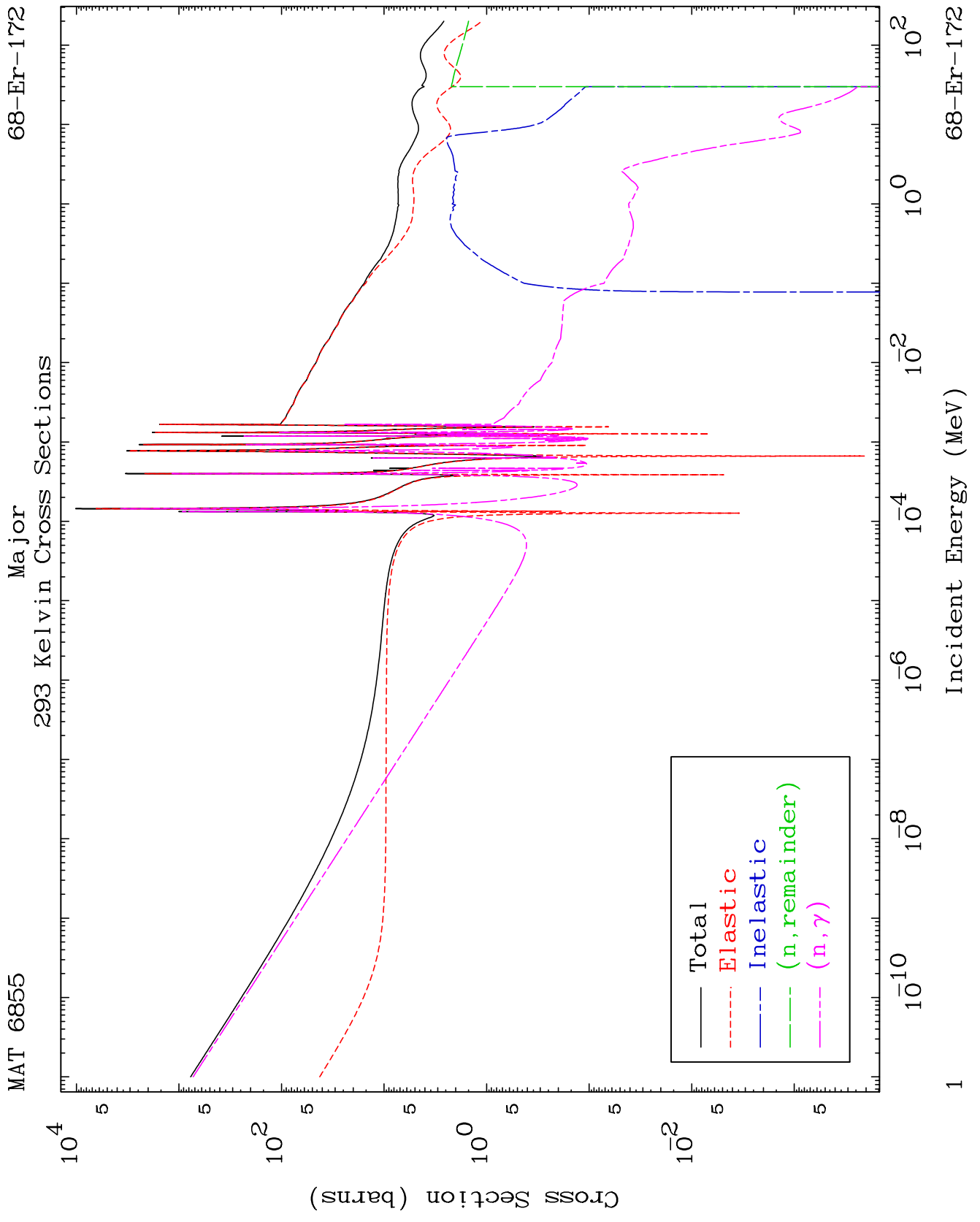
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E.Mail:redcullen1@comcast.net

Web:redcullen1.net/HOMEPAGE.NEW

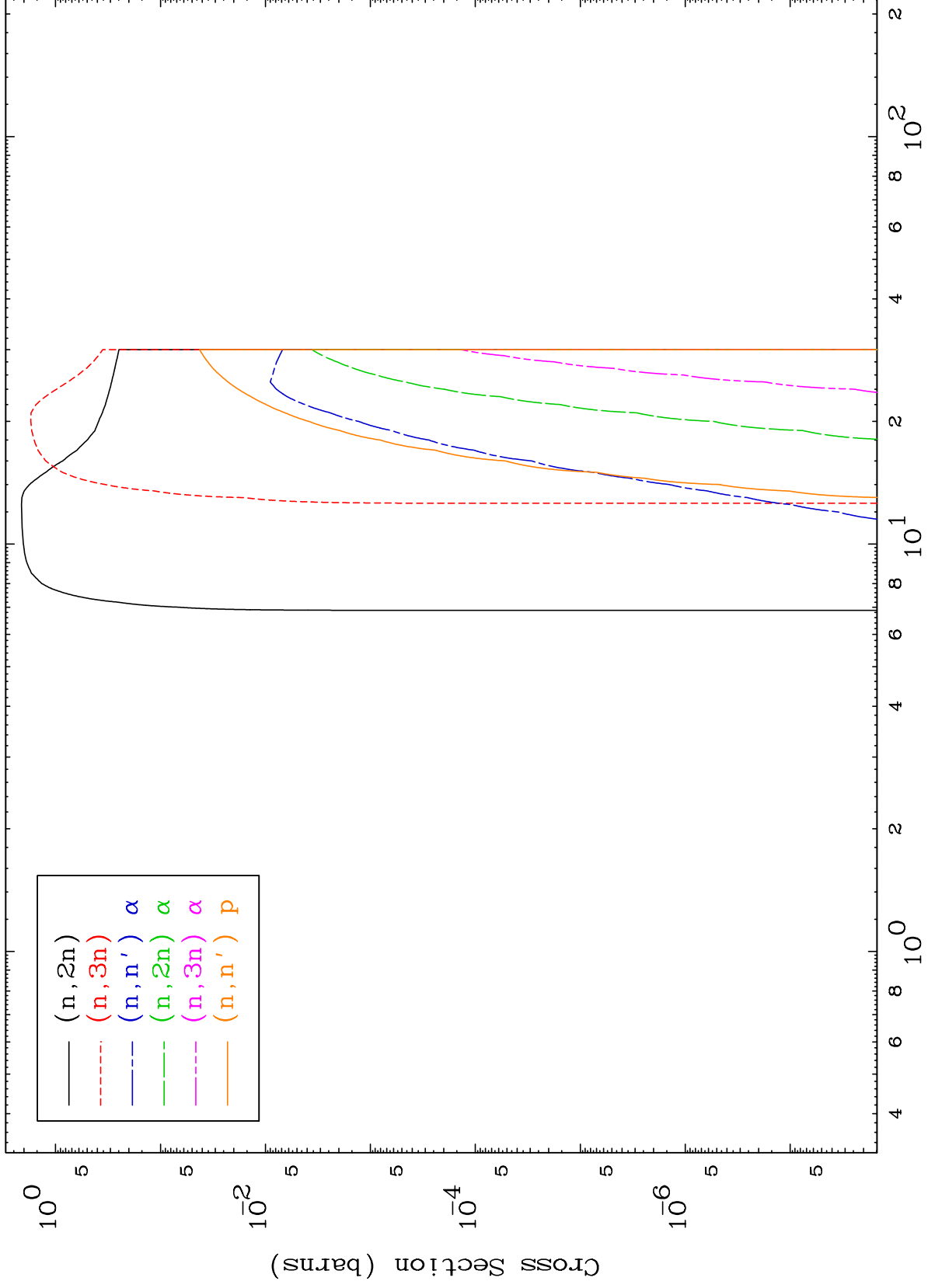
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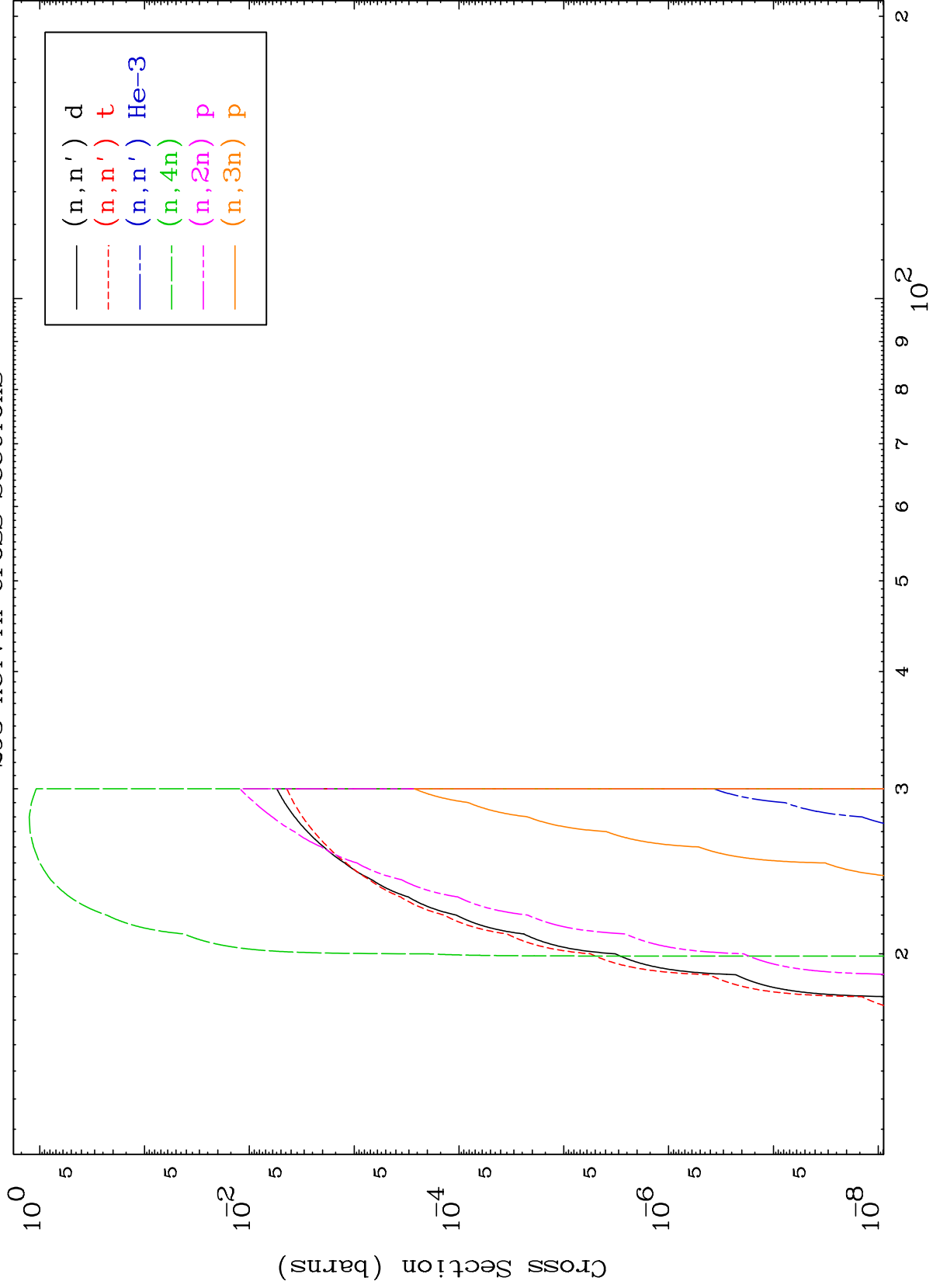


MAT 6855

Neutron Production
293 Kelvin Cross Sections

68-Er-172

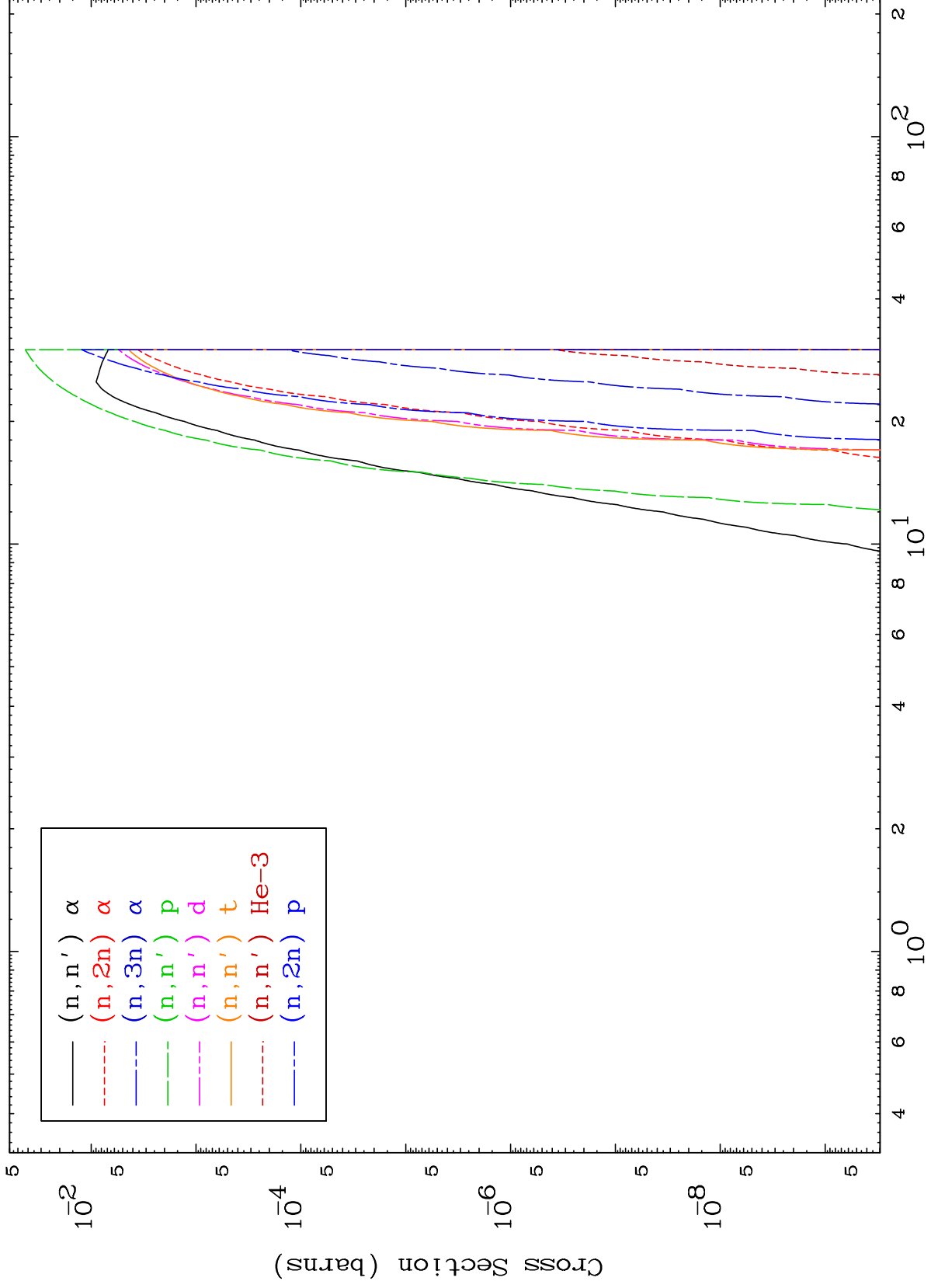




MAT 6855

293 Kelvin Cross Sections
Charged Particle

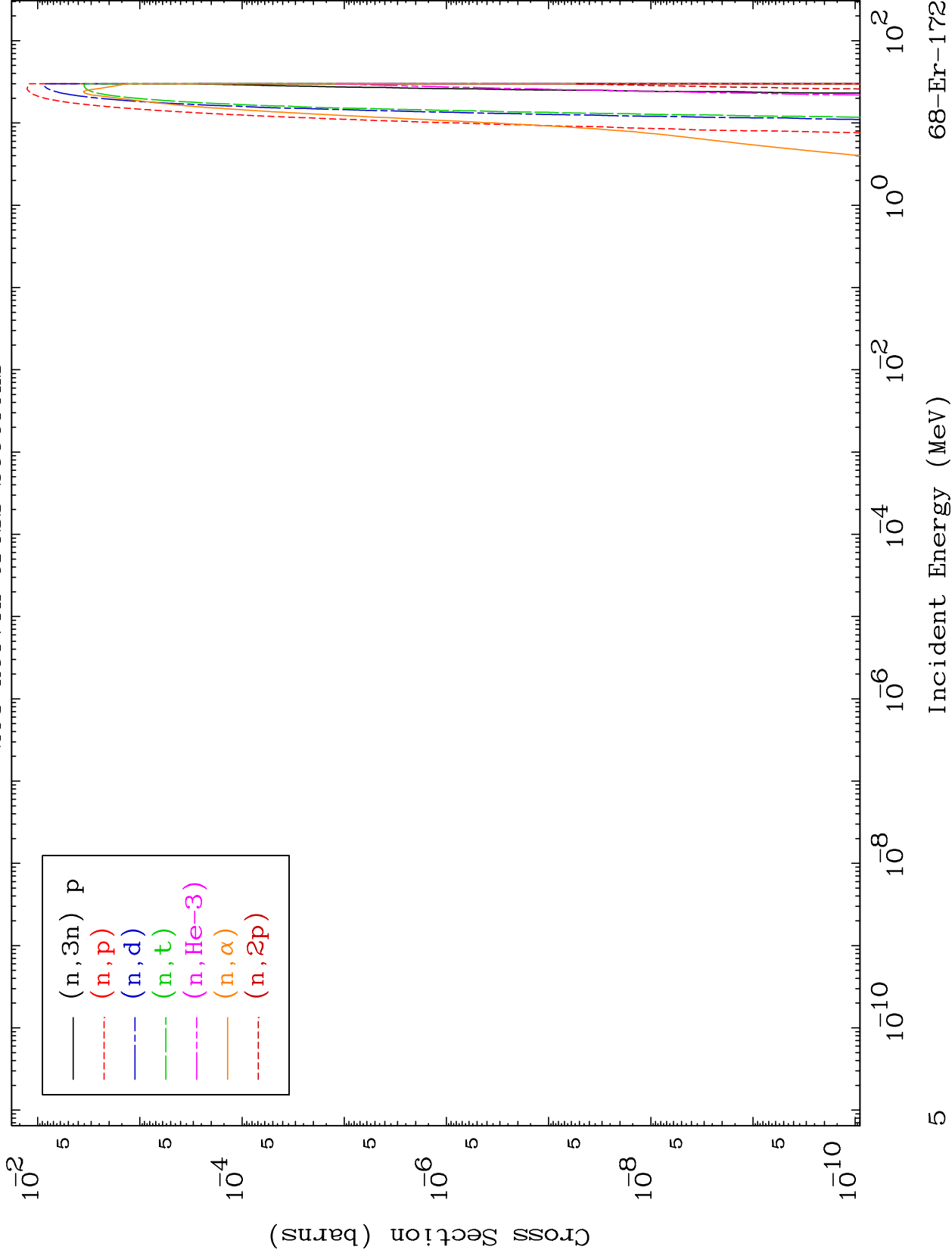
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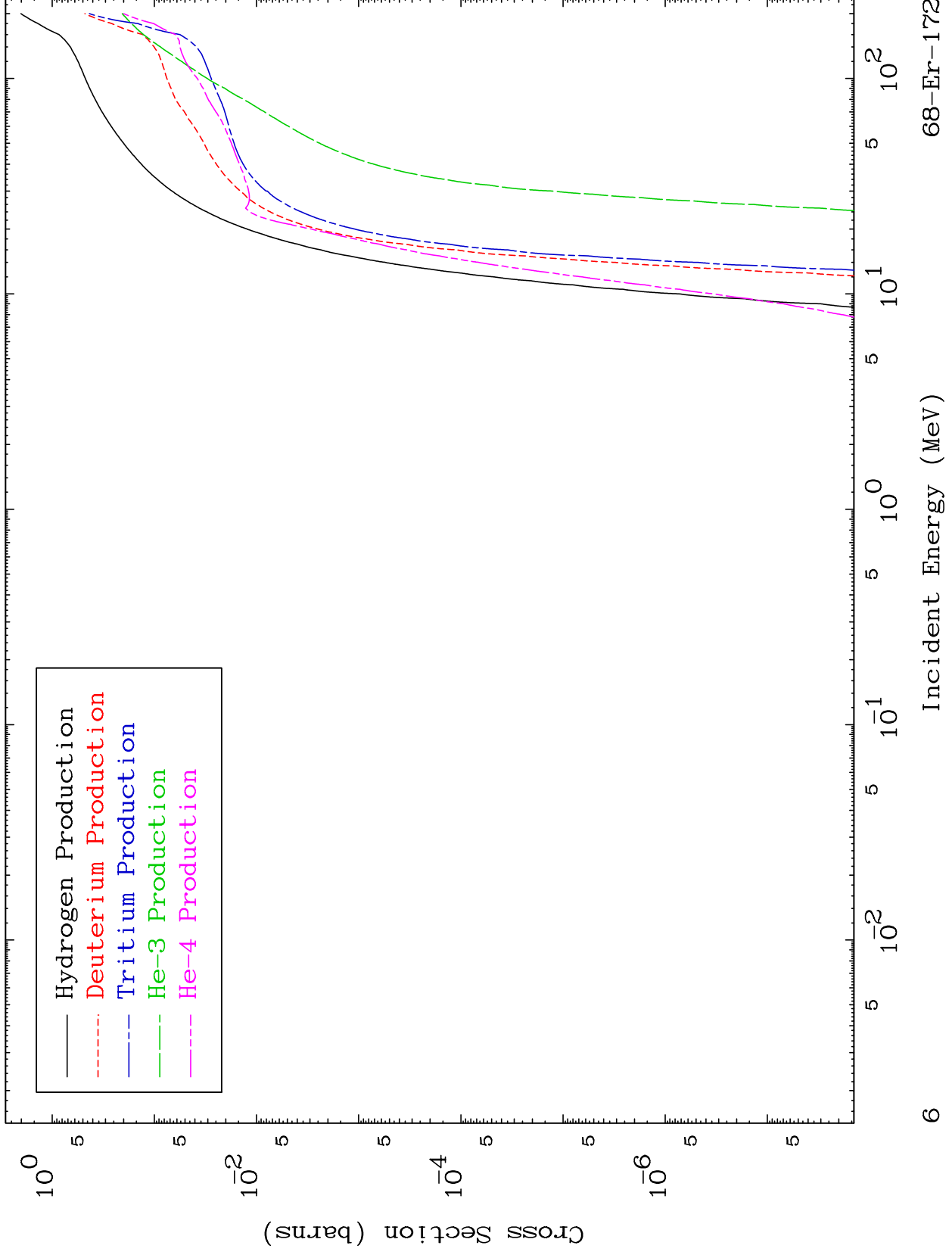


MAT 6855

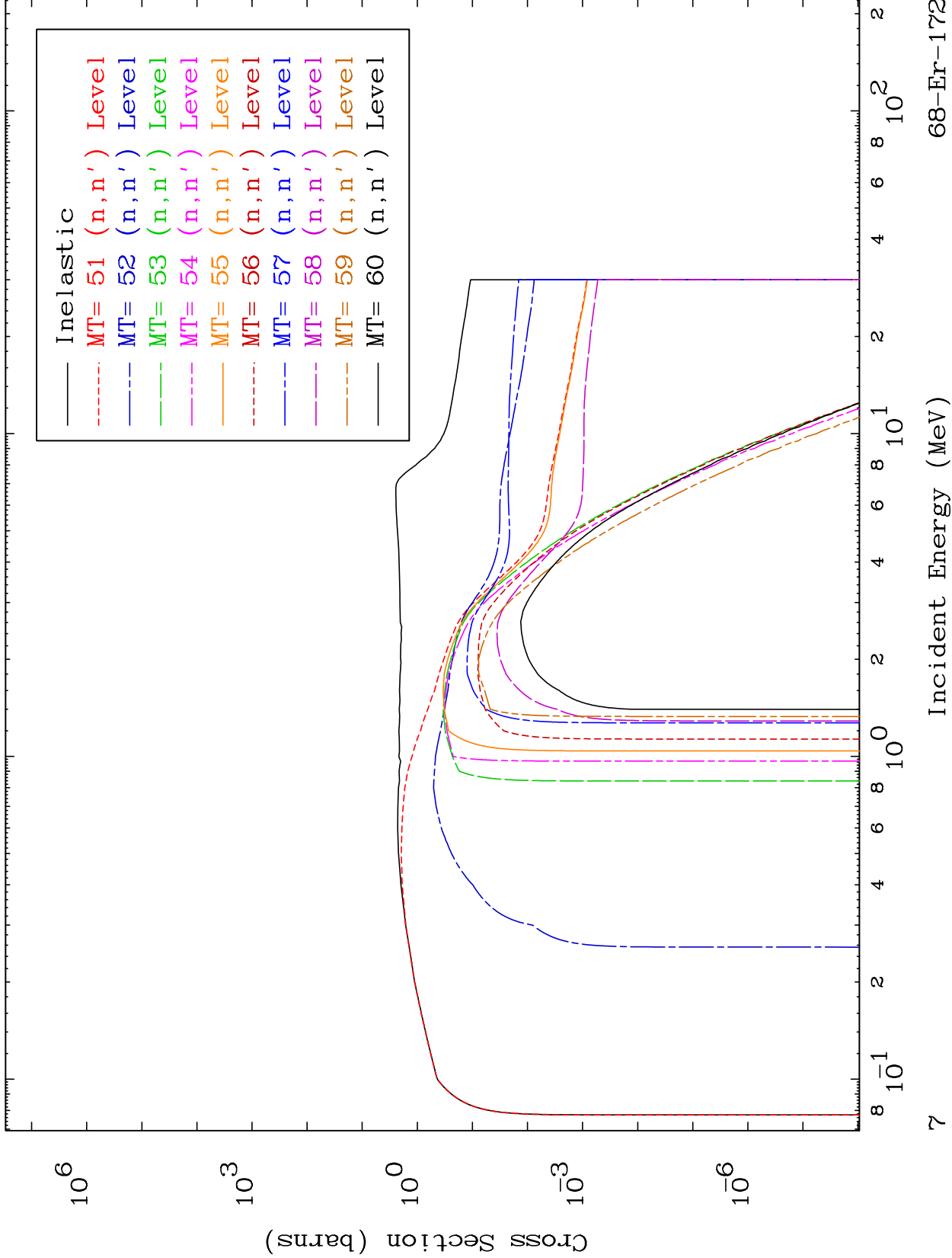
Charged Particle
293 Kelvin Cross Sections

68-Er-172





293 Kelvin Cross Sections

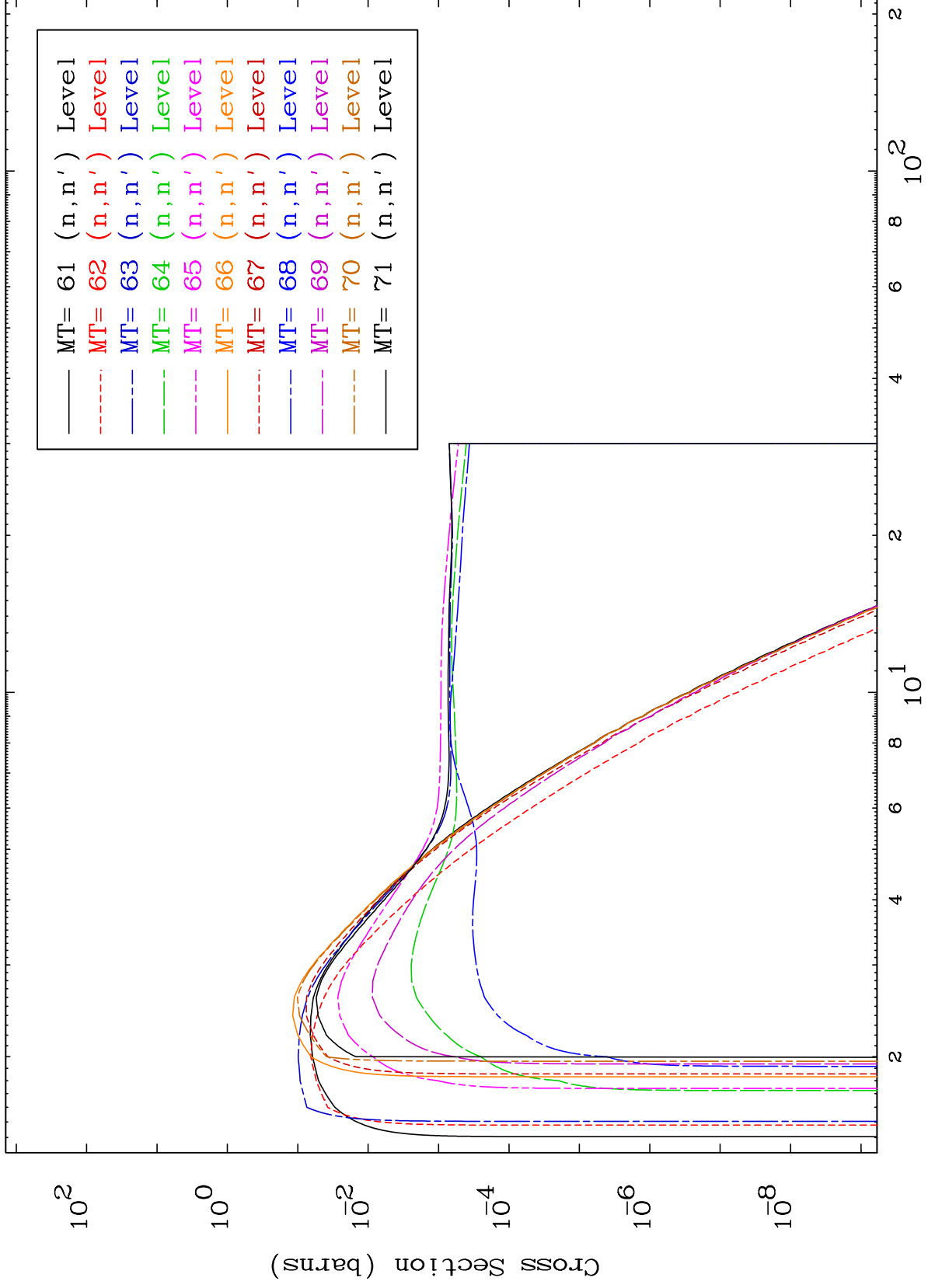


MAT 6855

(n,n') Level

293 Kelvin Cross Sections

68-Er-172

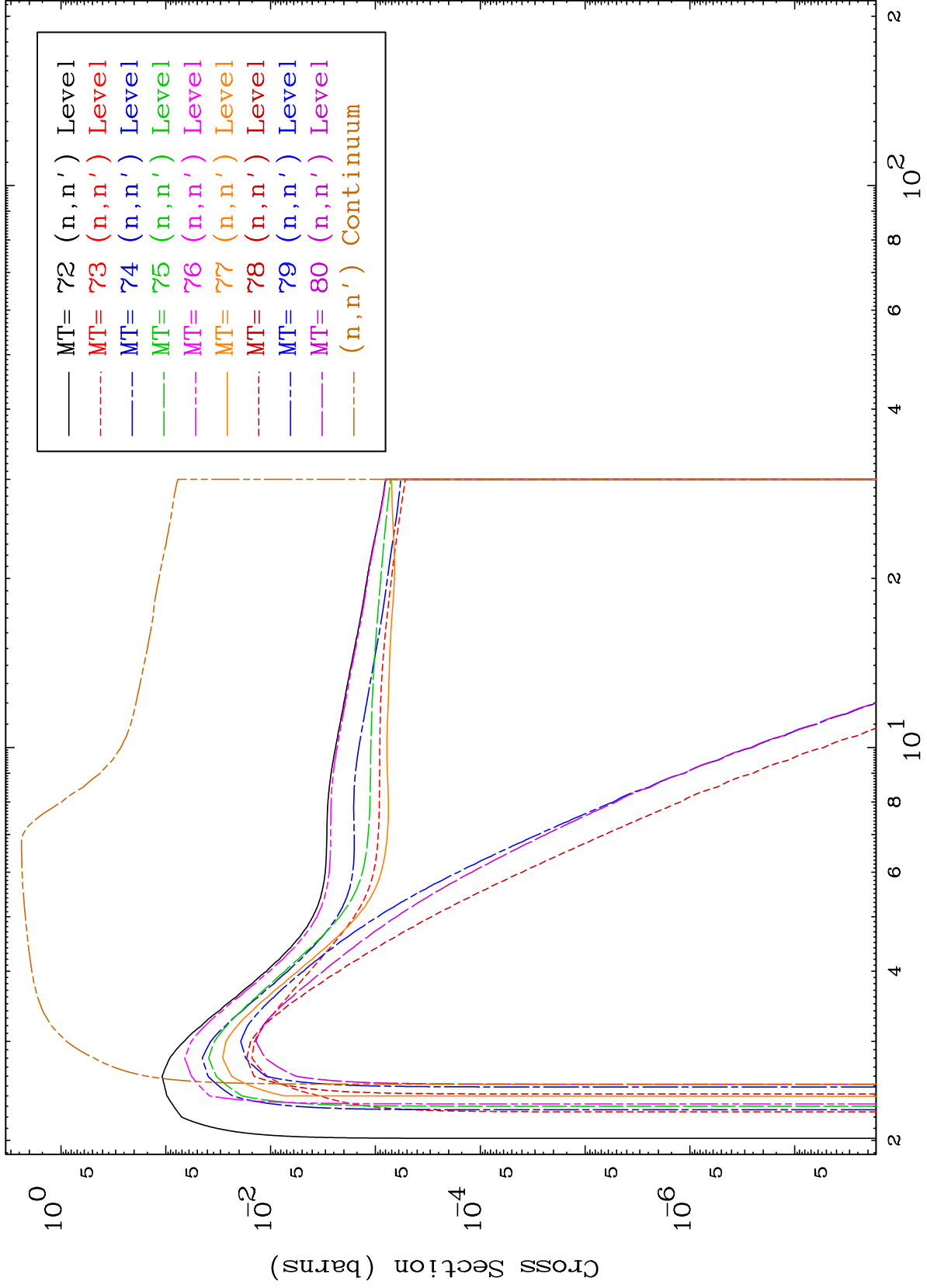


8

Incident Energy (MeV)

68-Er-172

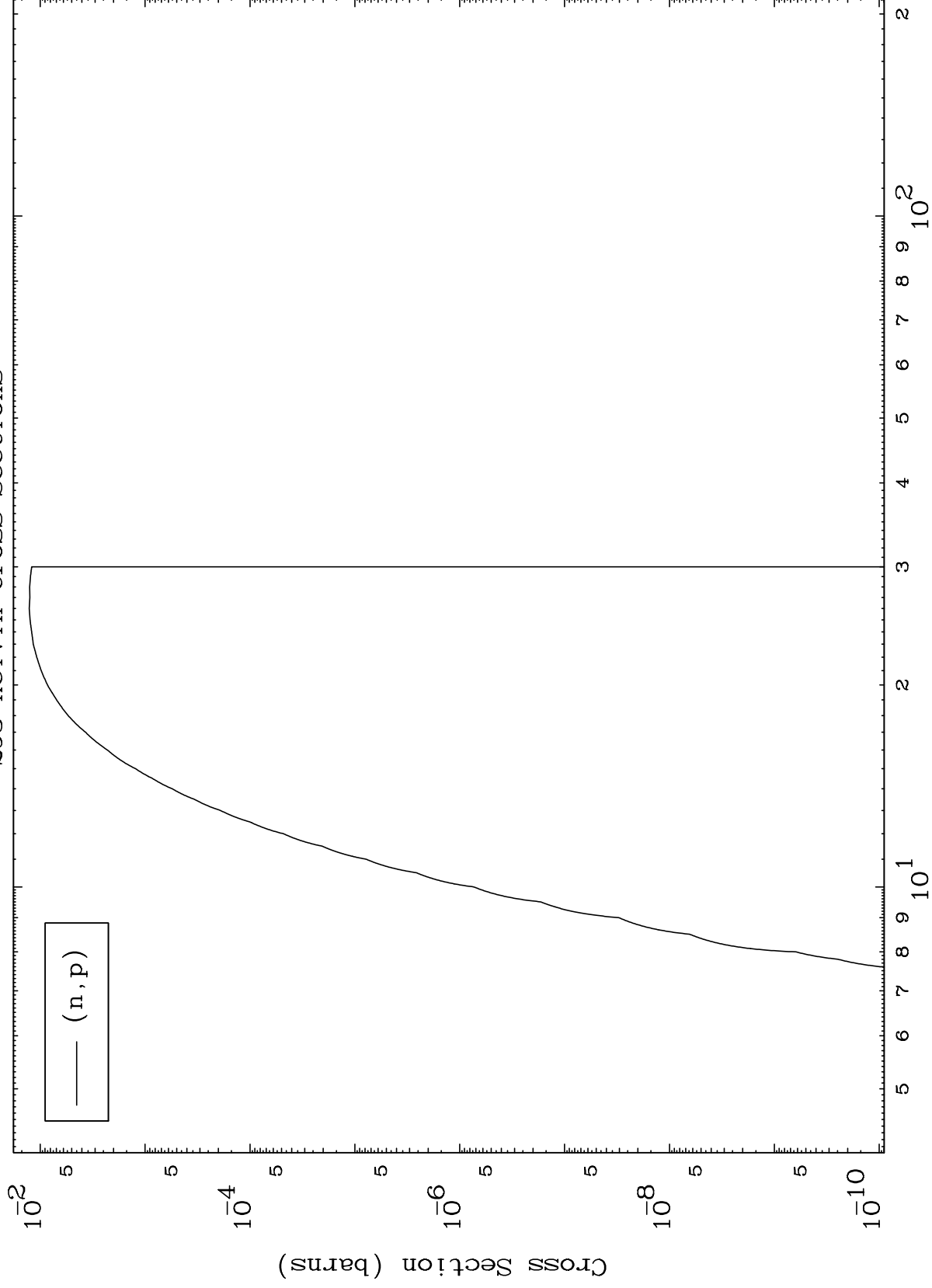
293 Kelvin Cross Sections



MAT 6855

(n,p) Levels
293 Kelvin Cross Sections

68-Er-172



10

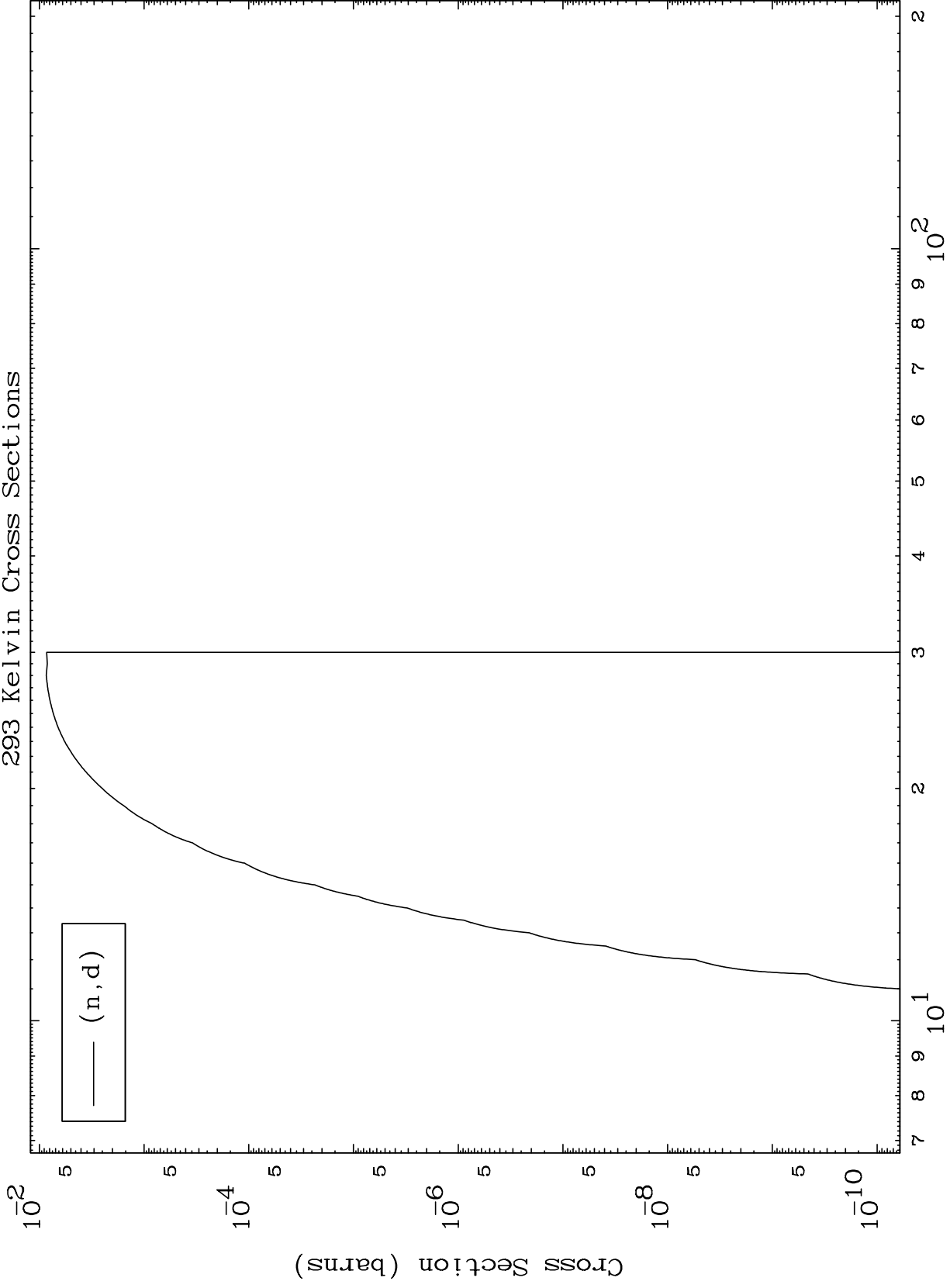
Incident Energy (MeV)

68-Er-172

MAT 6855

(n,d) Levels
293 Kelvin Cross Sections

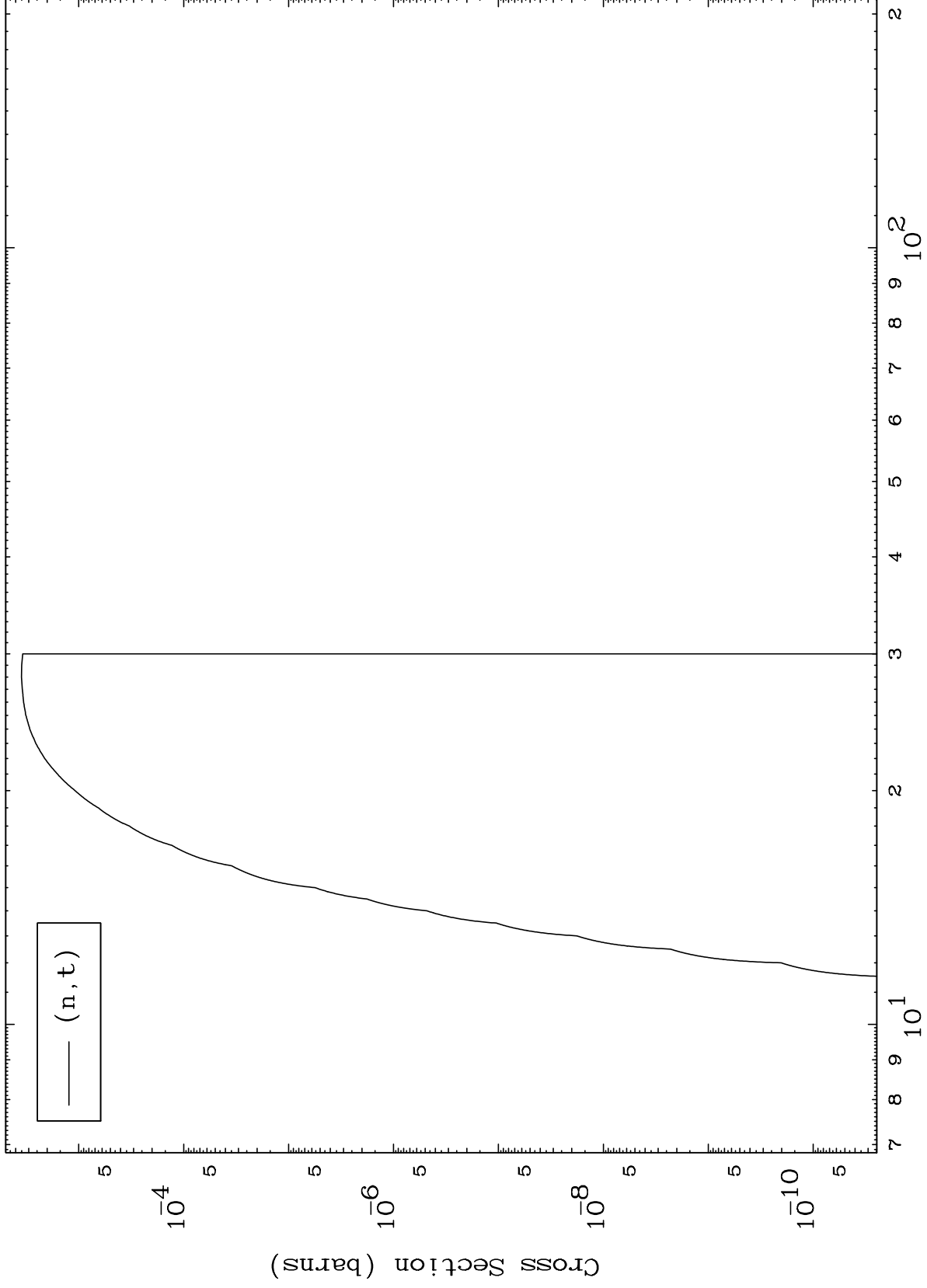
68-Er-172



MAT 6855

(n,t) Levels
293 Kelvin Cross Sections

68-Er-172



12

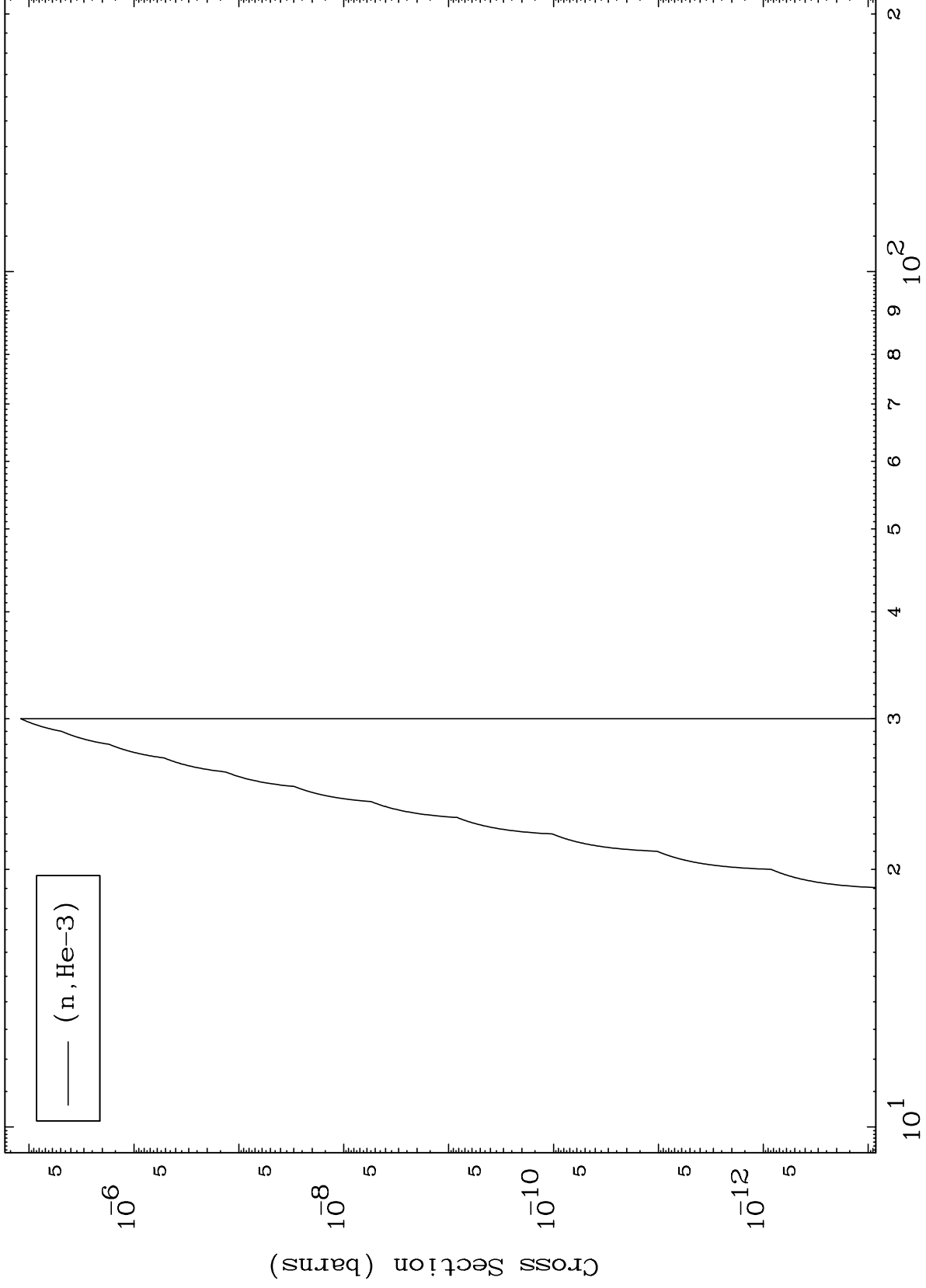
Incident Energy (MeV)

68-Er-172

MAT 6855

(n,He3) Levels
293 Kelvin Cross Sections

68-Er-172



13

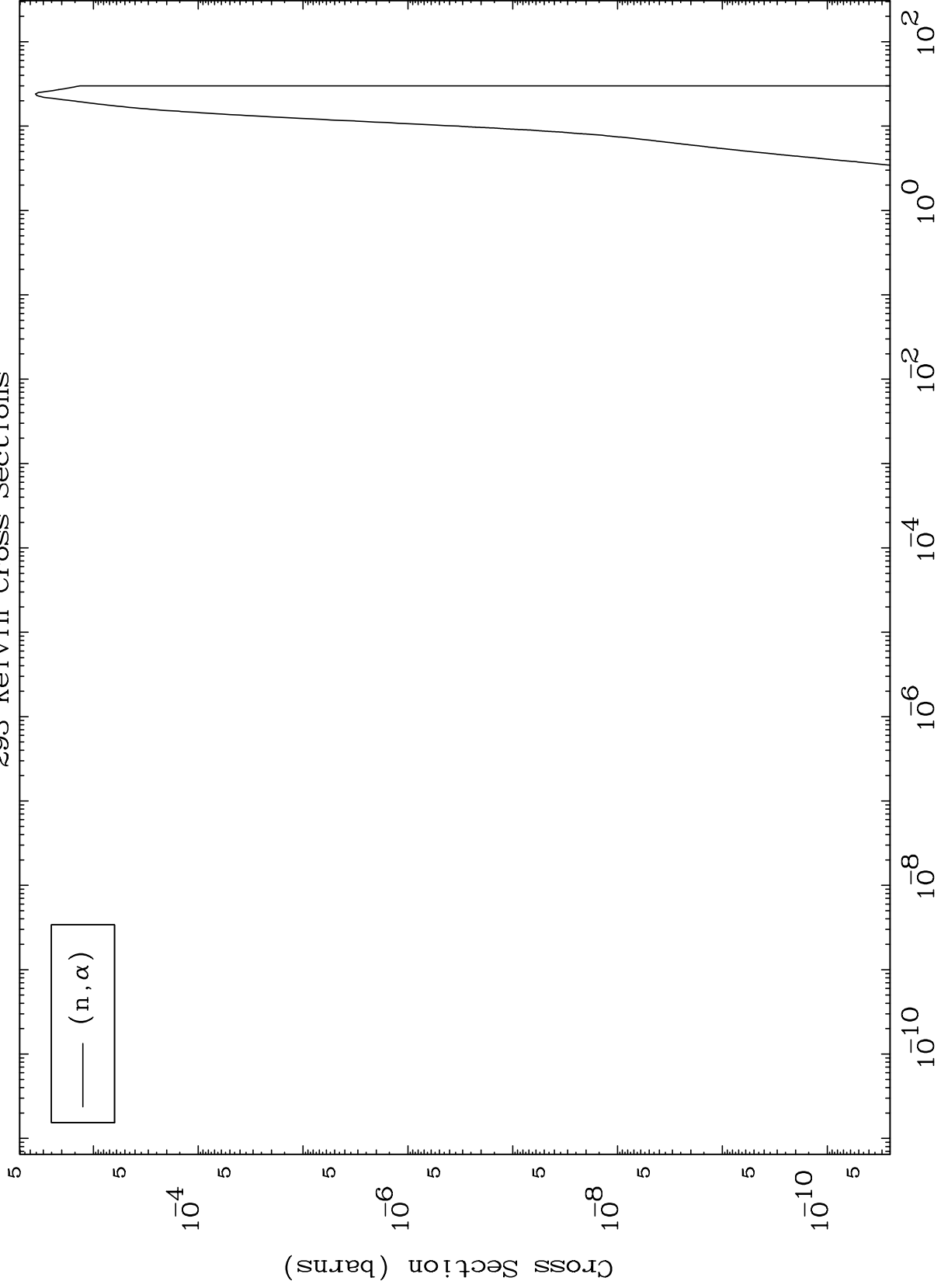
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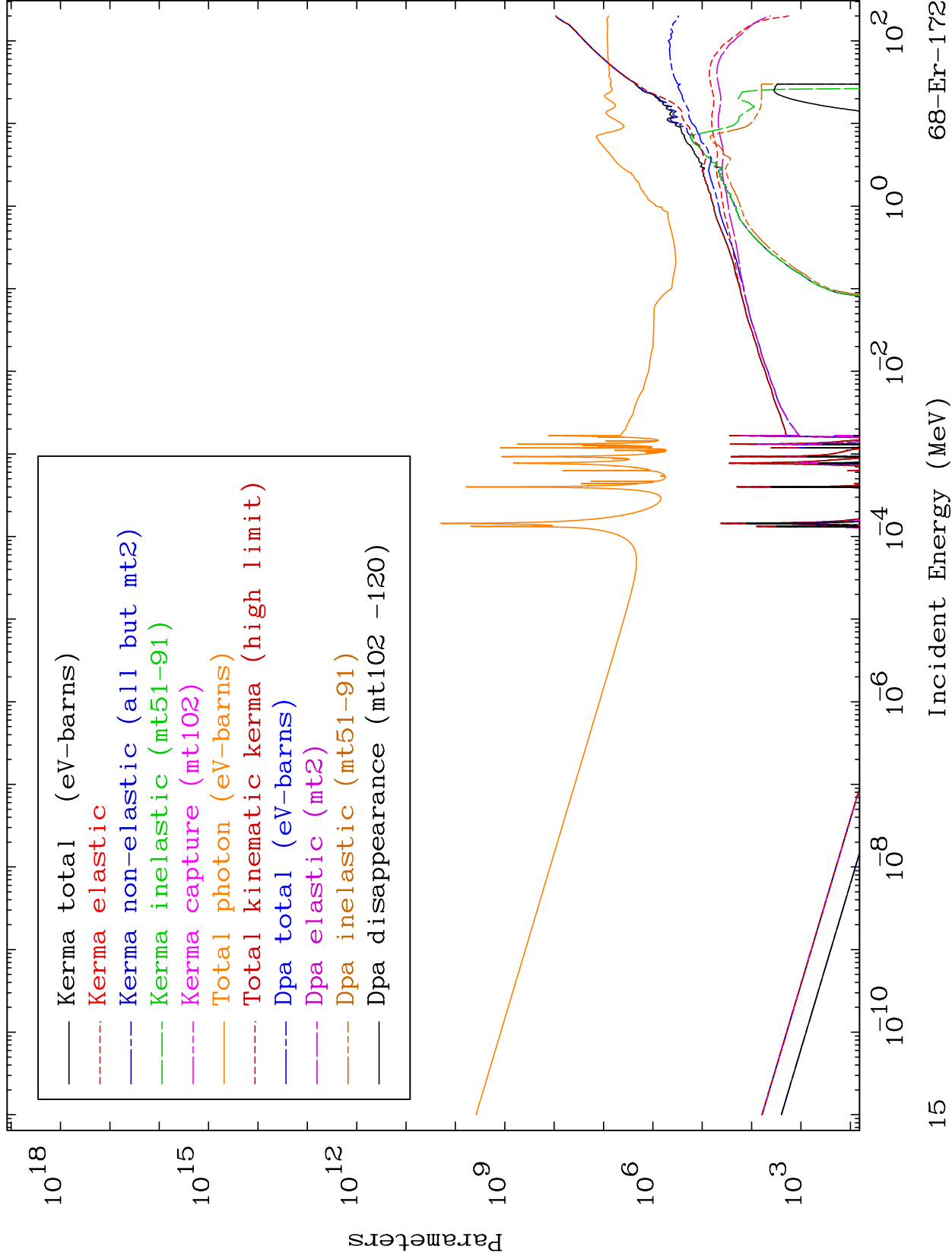
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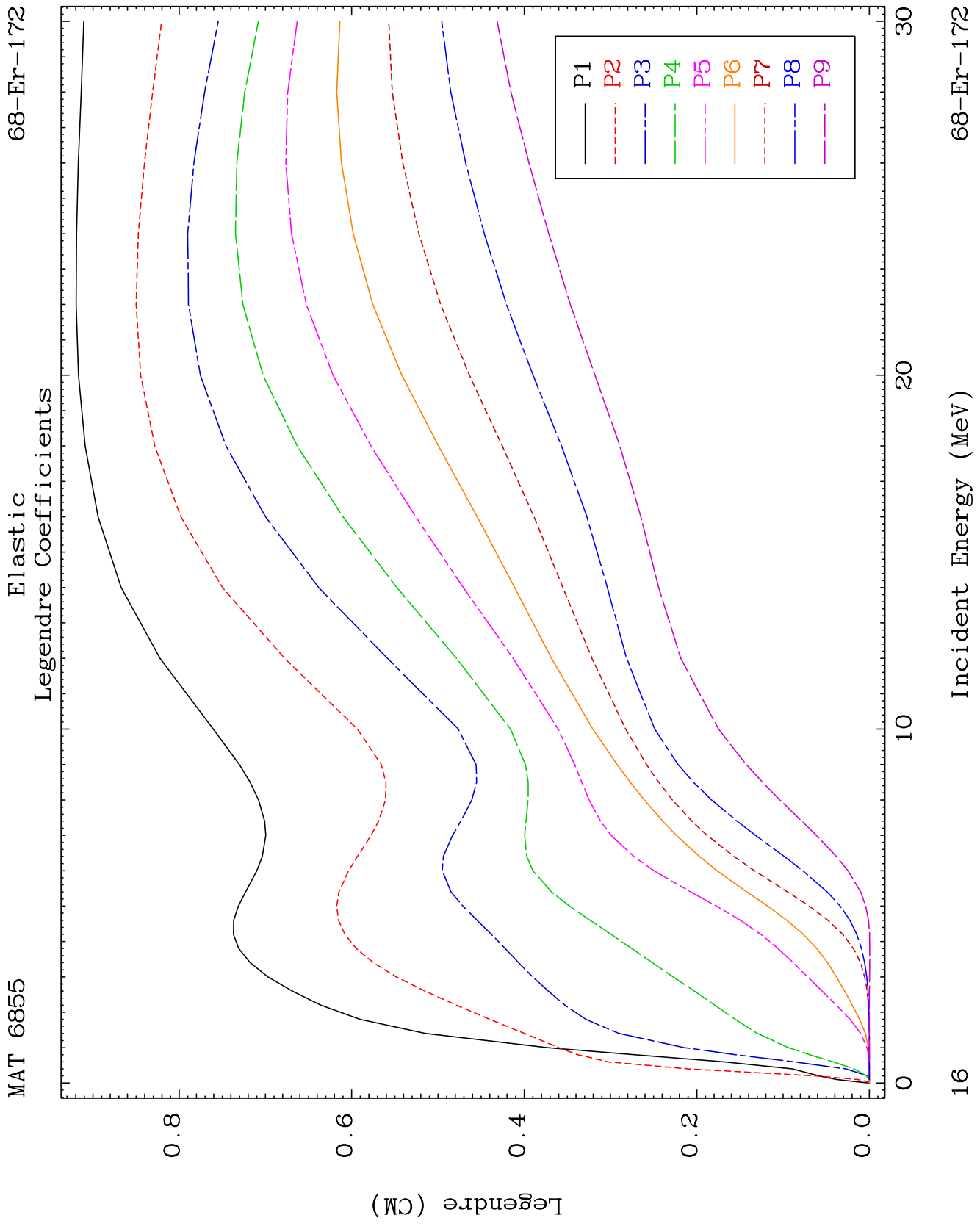
MAT 6855

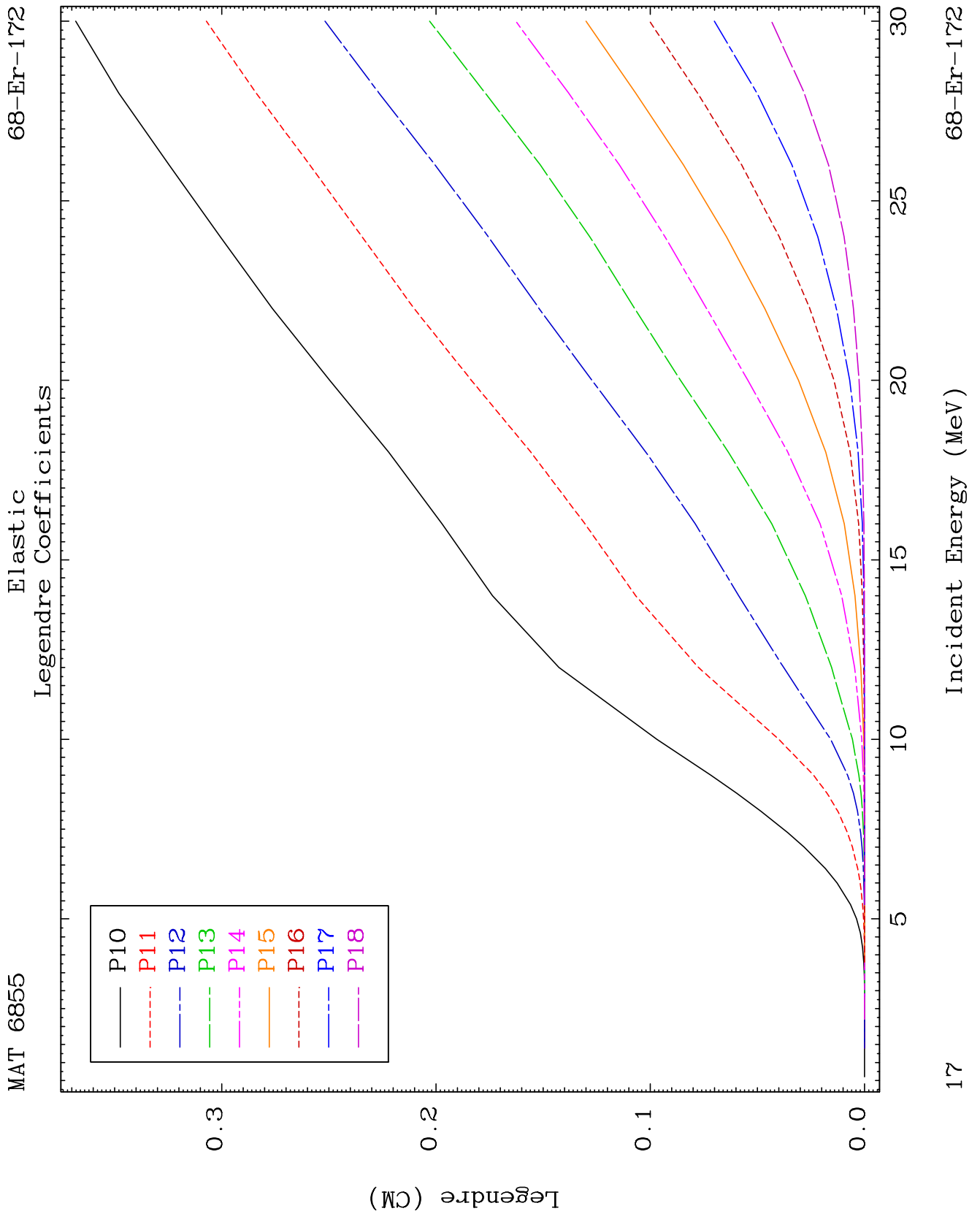
(n, α) Levels
293 Kelvin Cross Sections

68-Er-172





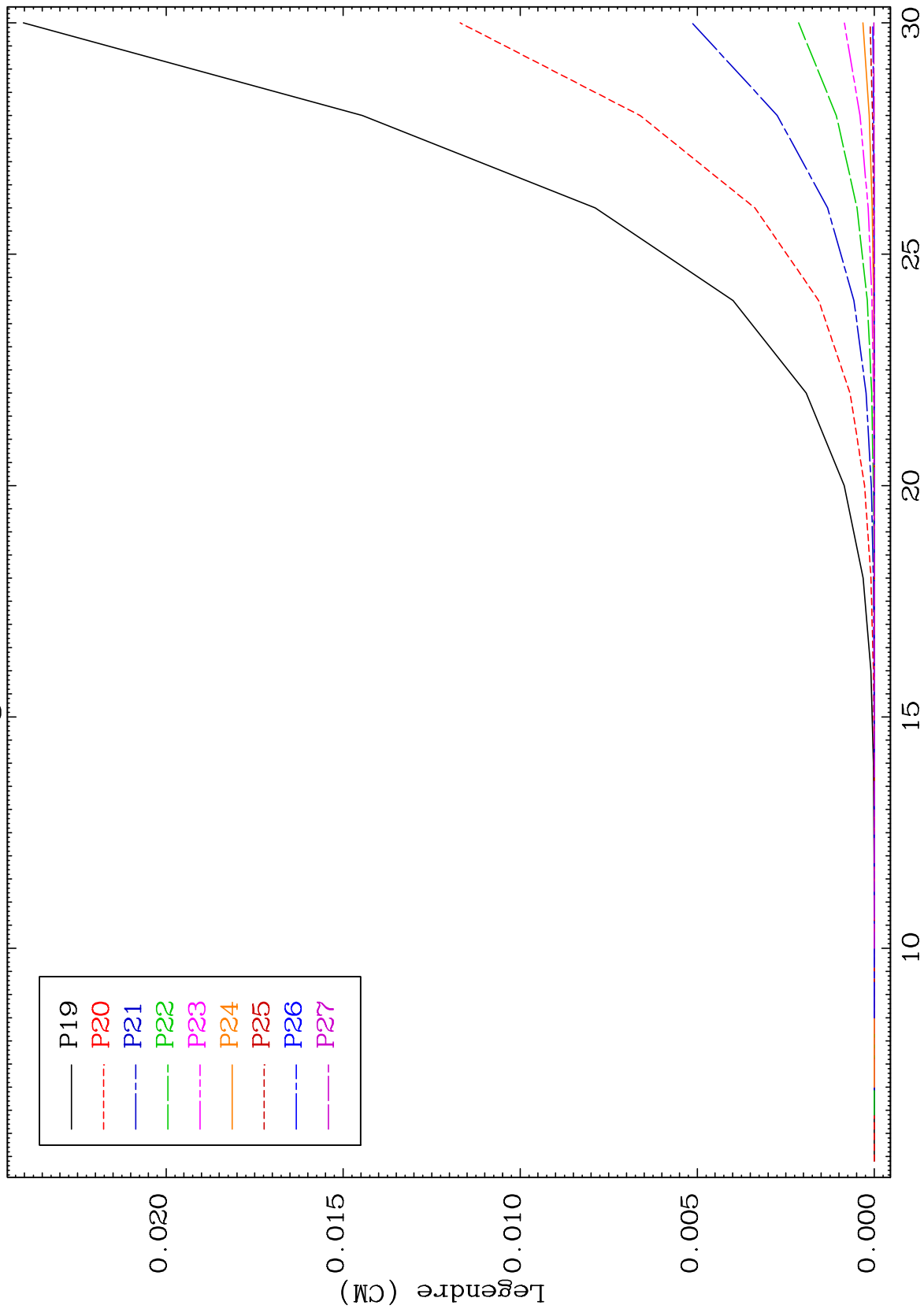




MAT 6855

Elastic Legendre Coefficients

68-Er-172



18

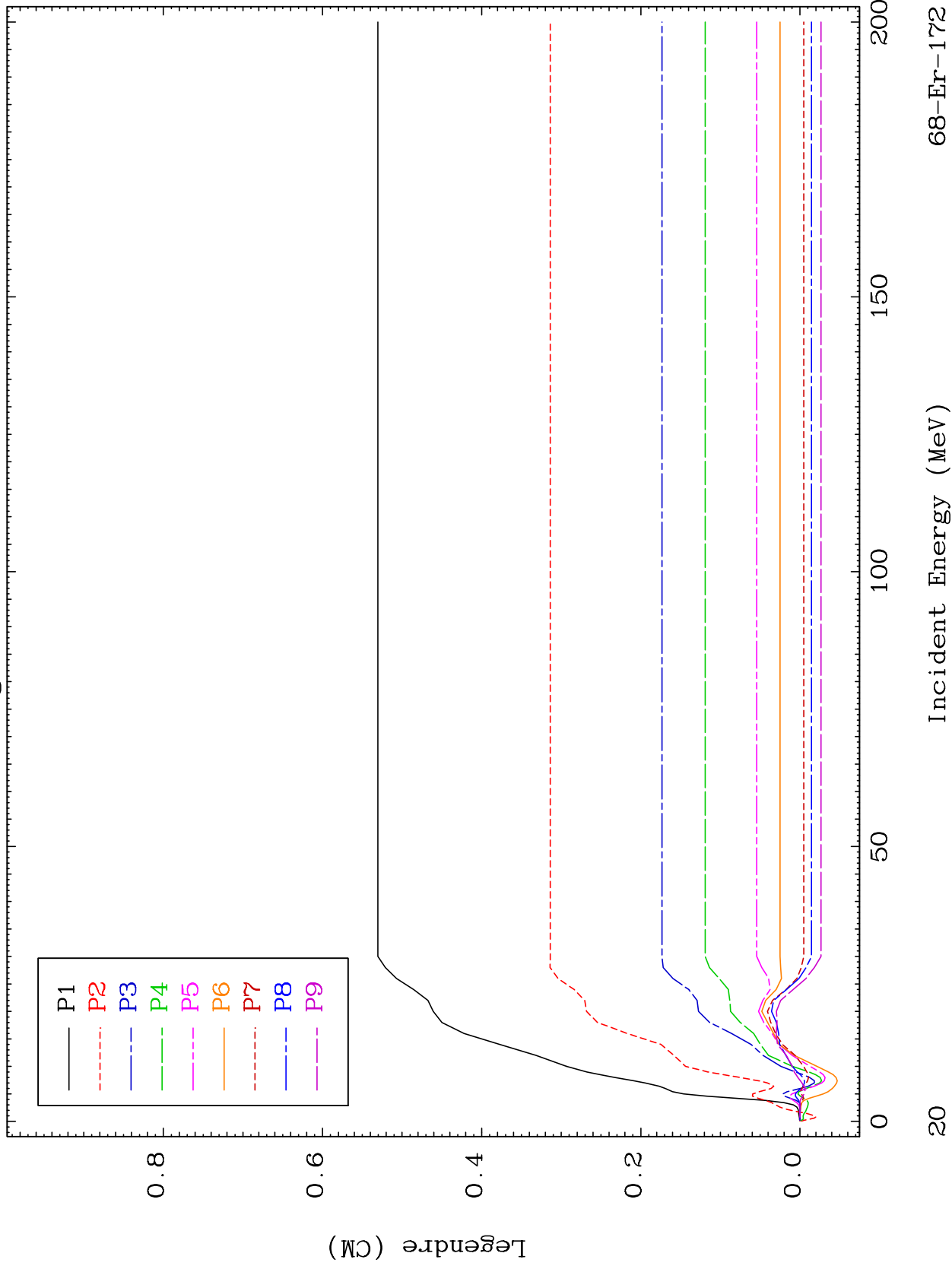
Incident Energy (MeV)

68-Er-172

MAT 6855

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

68-Er-172



68-Er-172

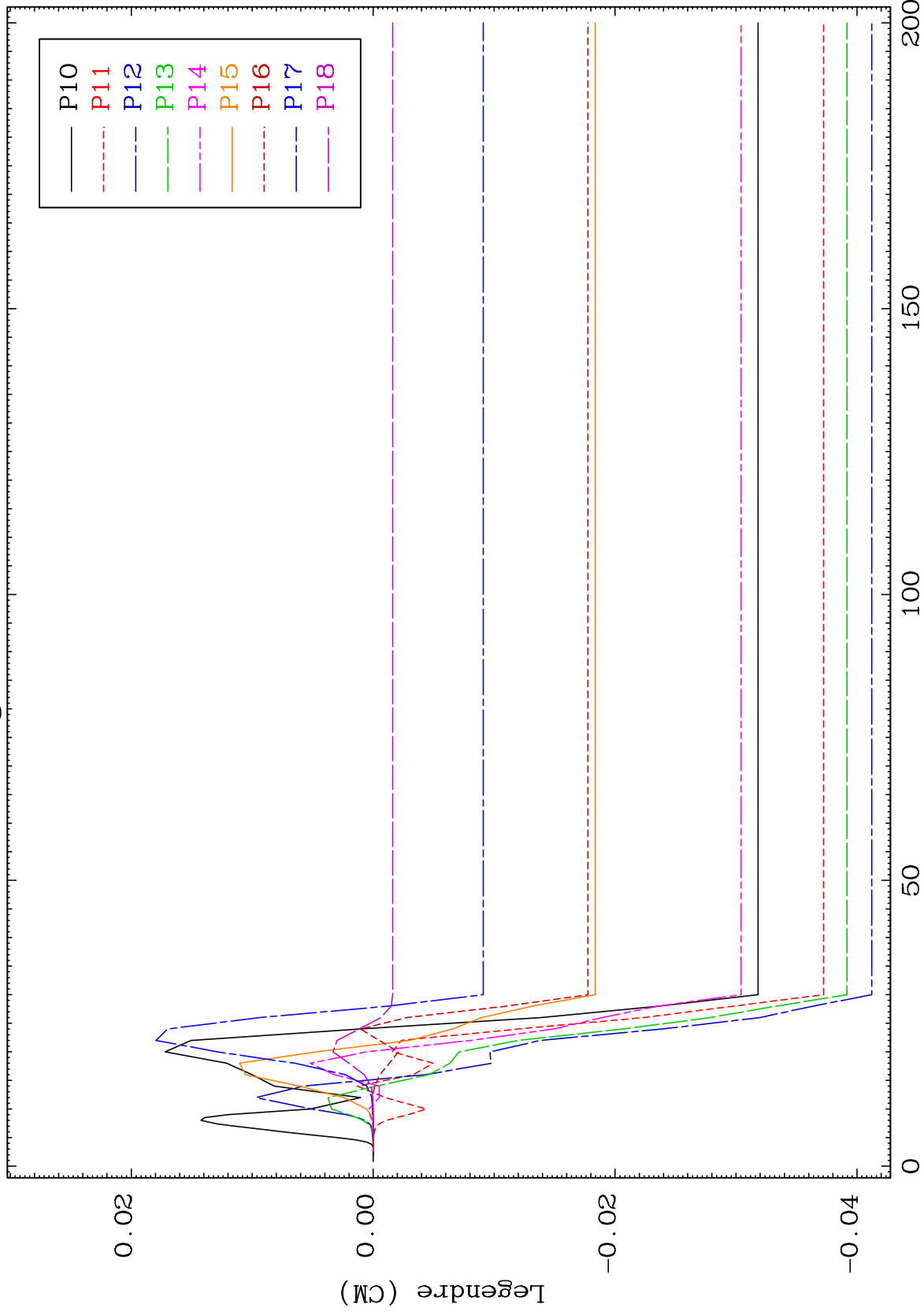
Incident Energy (MeV)

0

MAT 6855

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

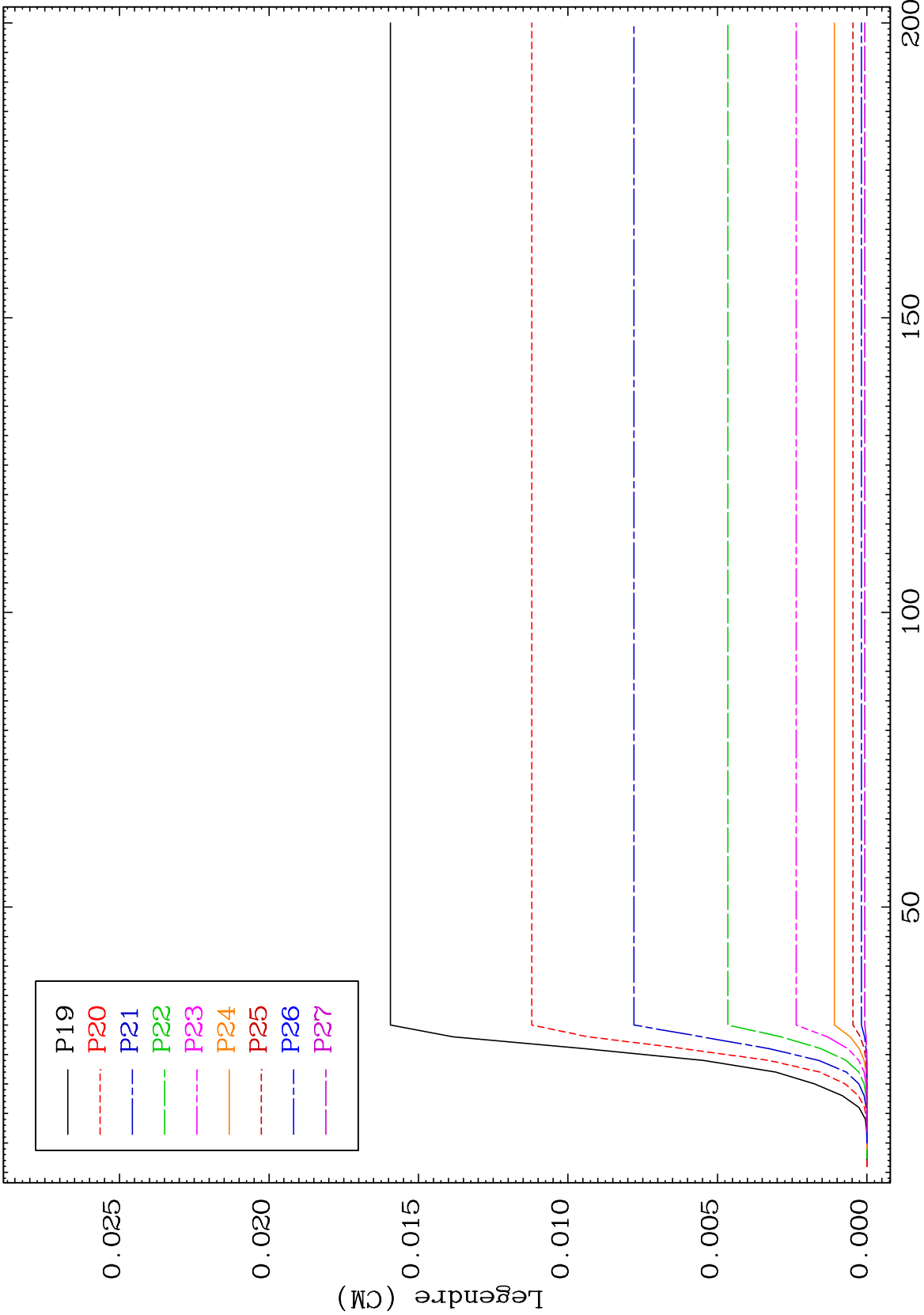
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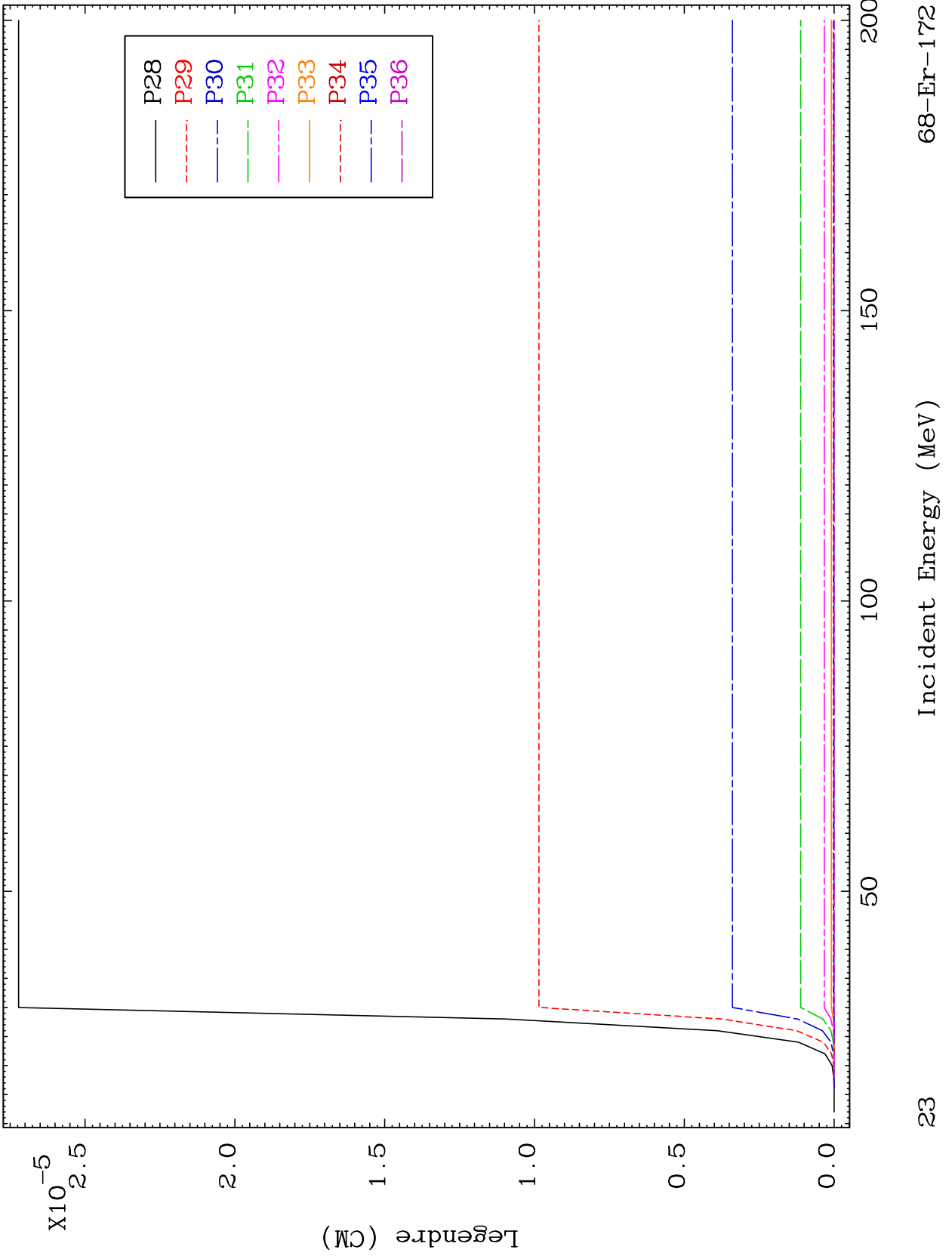


21

Incident Energy (MeV)

68-Er-172

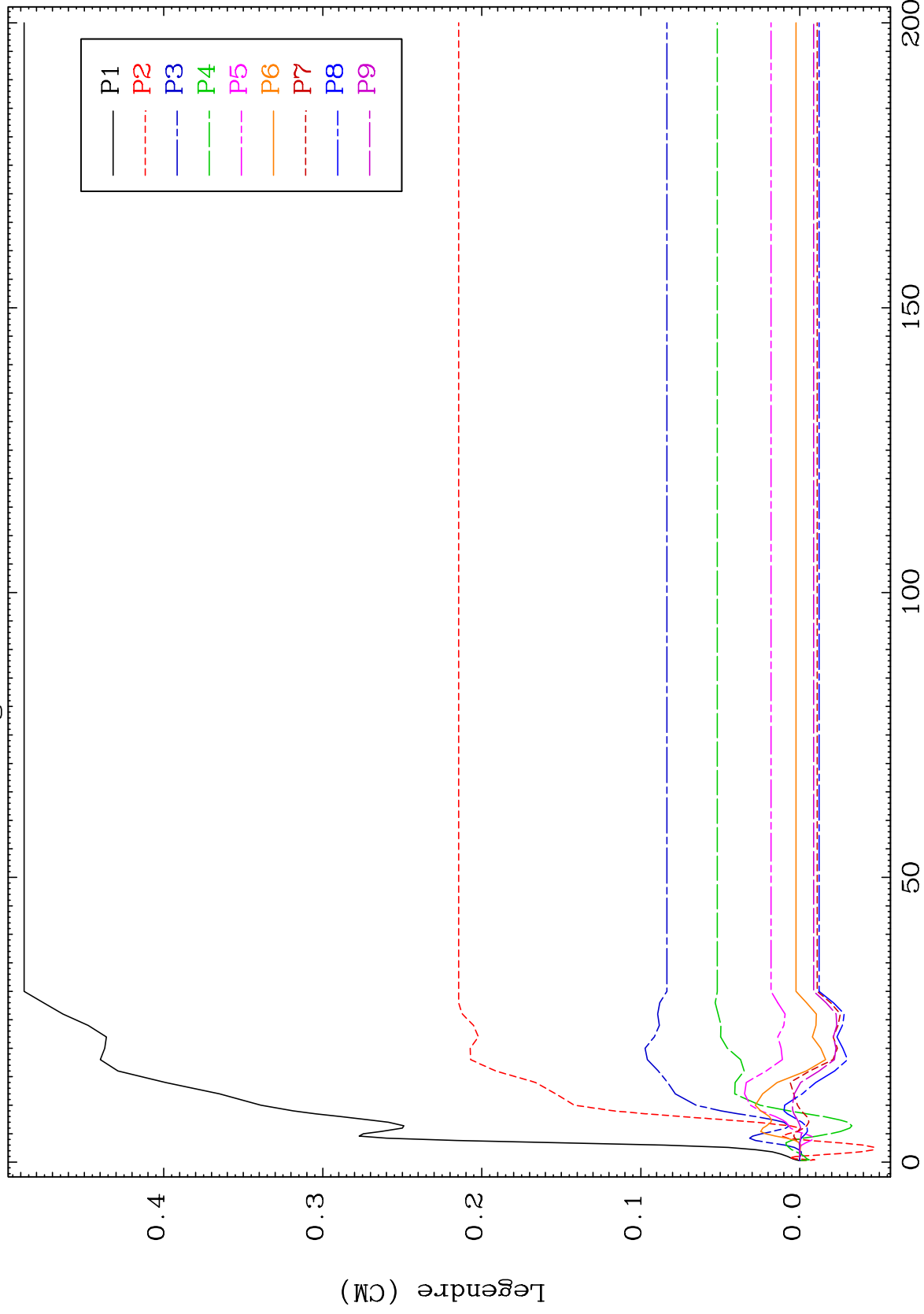




MAT 6855

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

68-Er-172



24

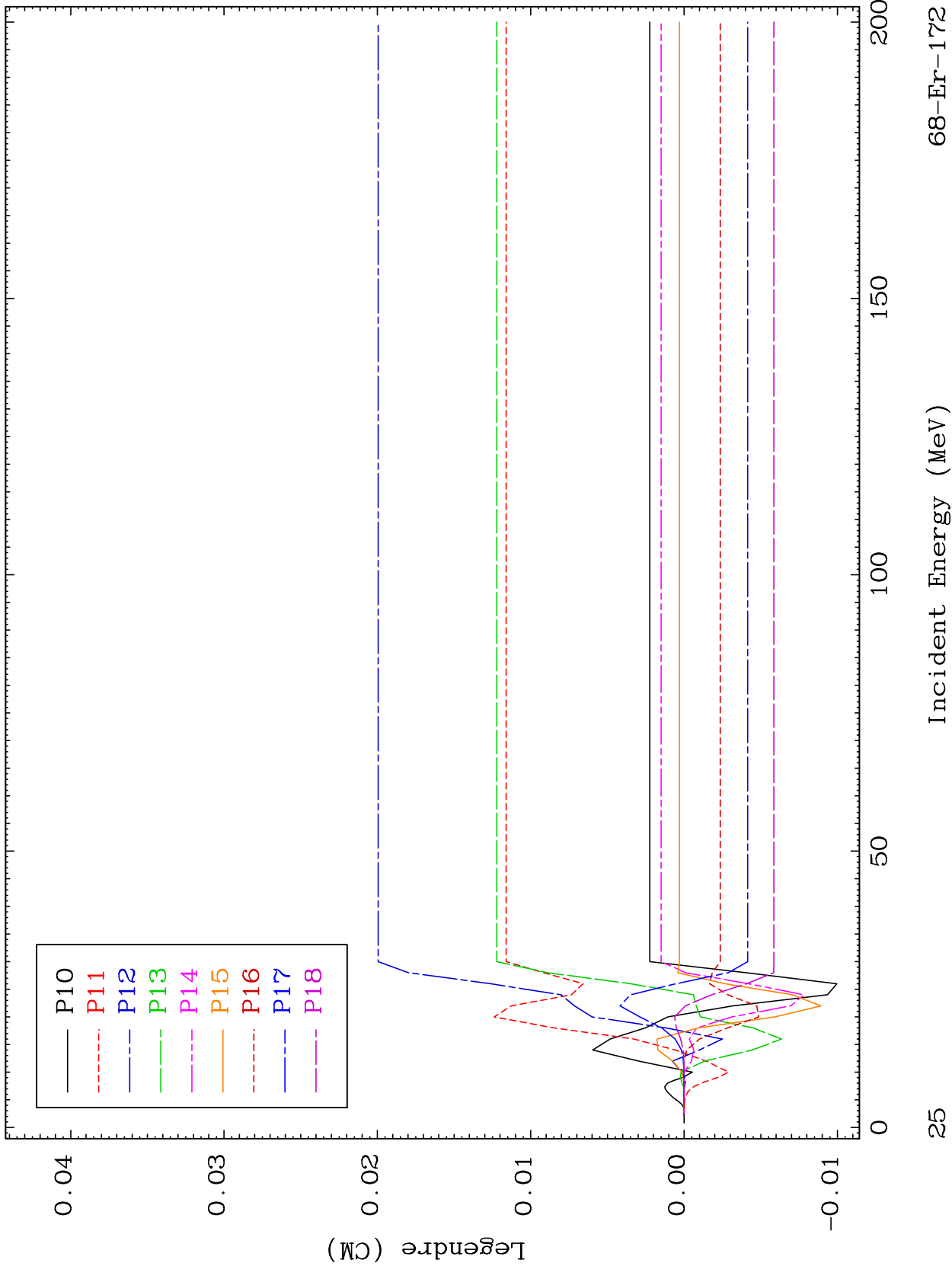
Incident Energy (MeV)

68-Er-172

MAT 6855

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

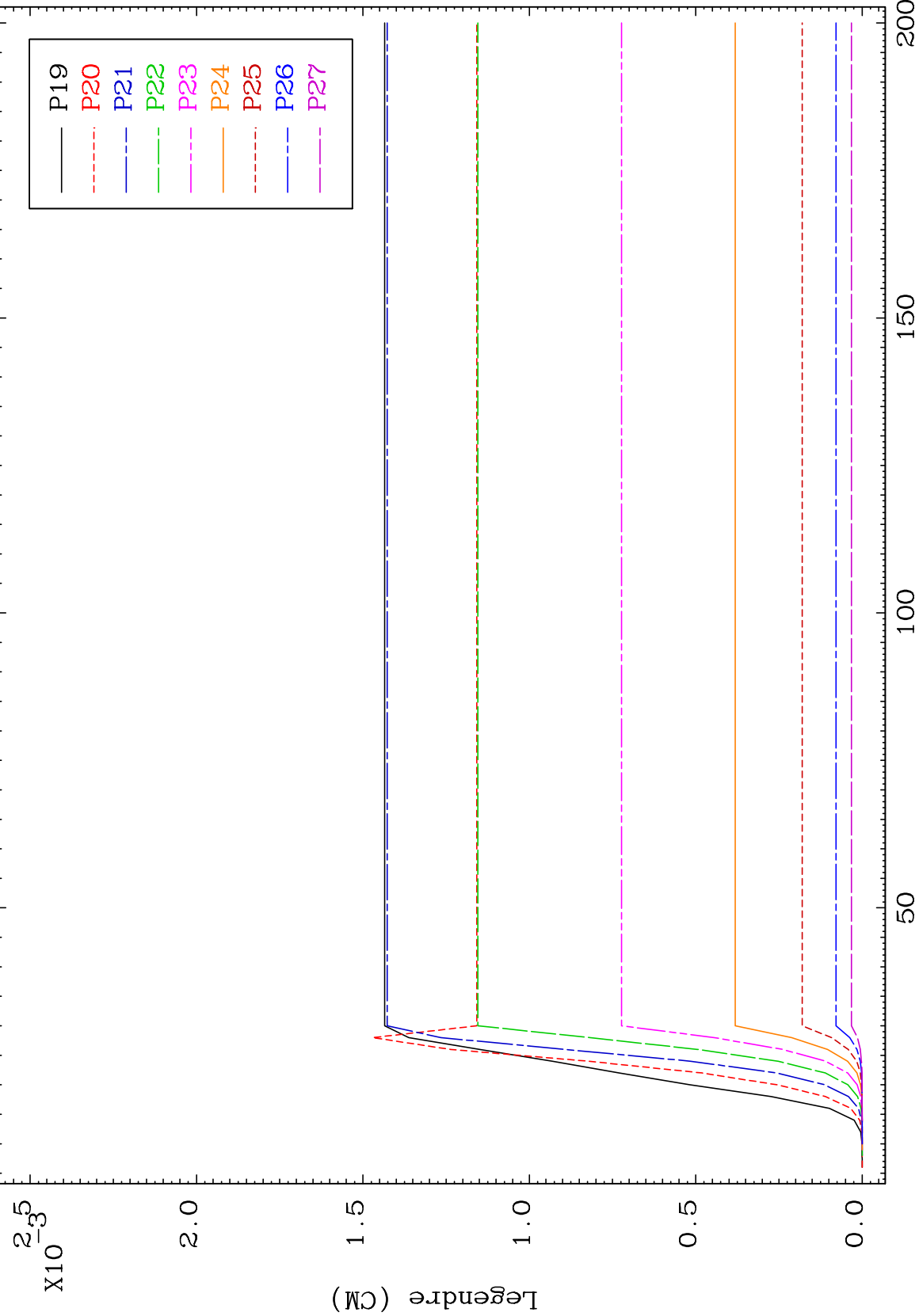
68-Er-172



68-Er-172

Incident Energy (MeV)

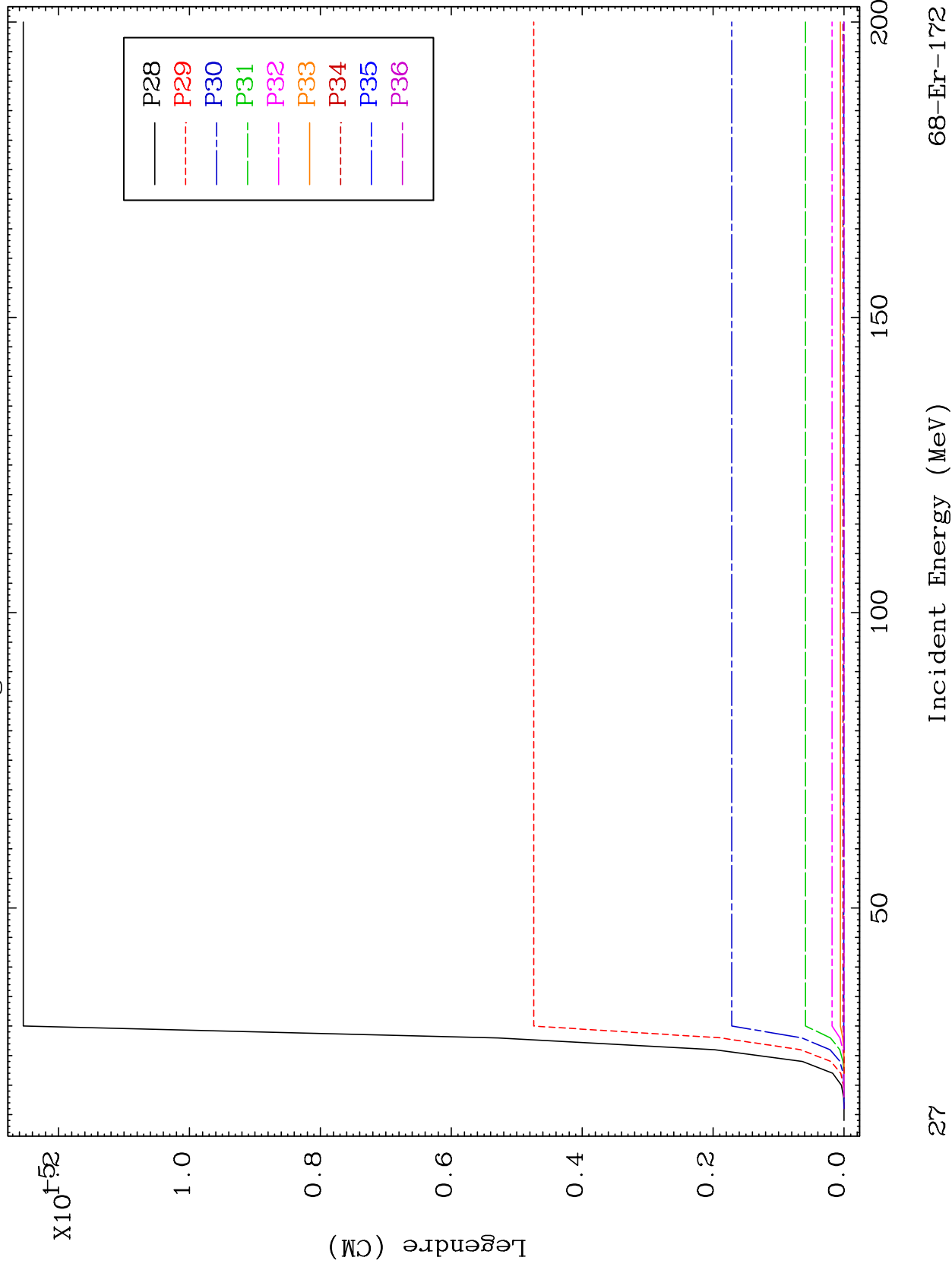
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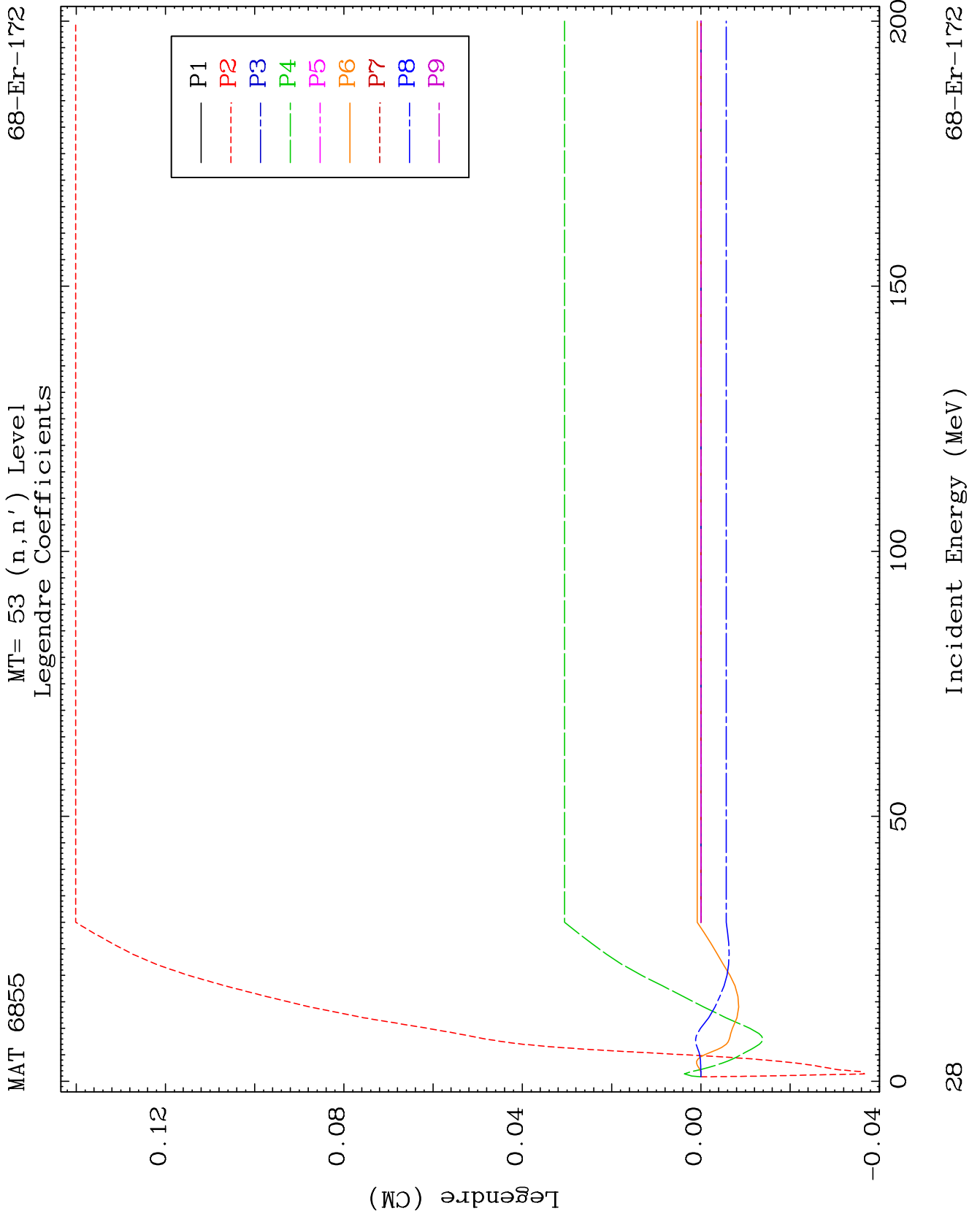


MAT 6855

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

68-Er-172

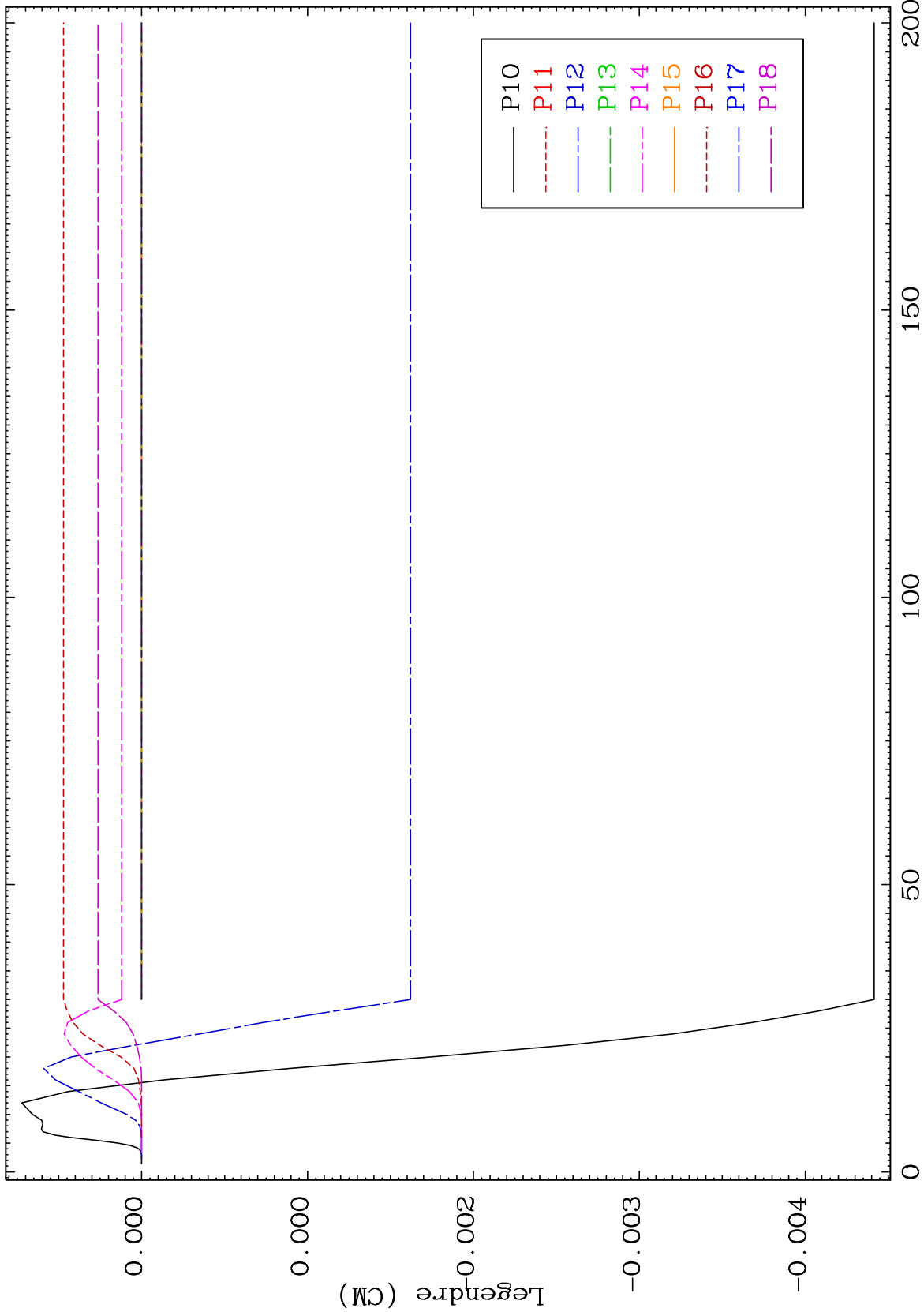




MAT 6855

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

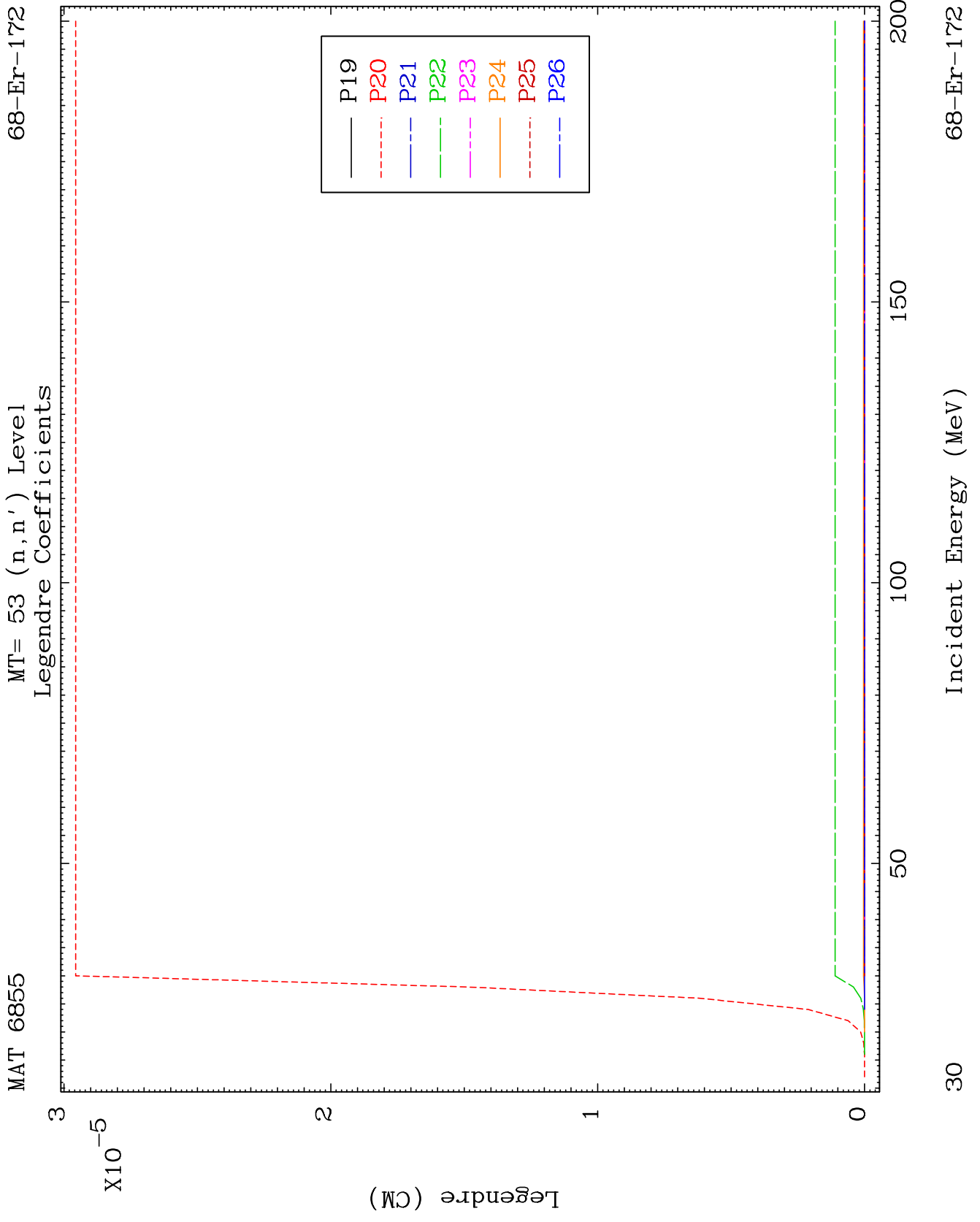
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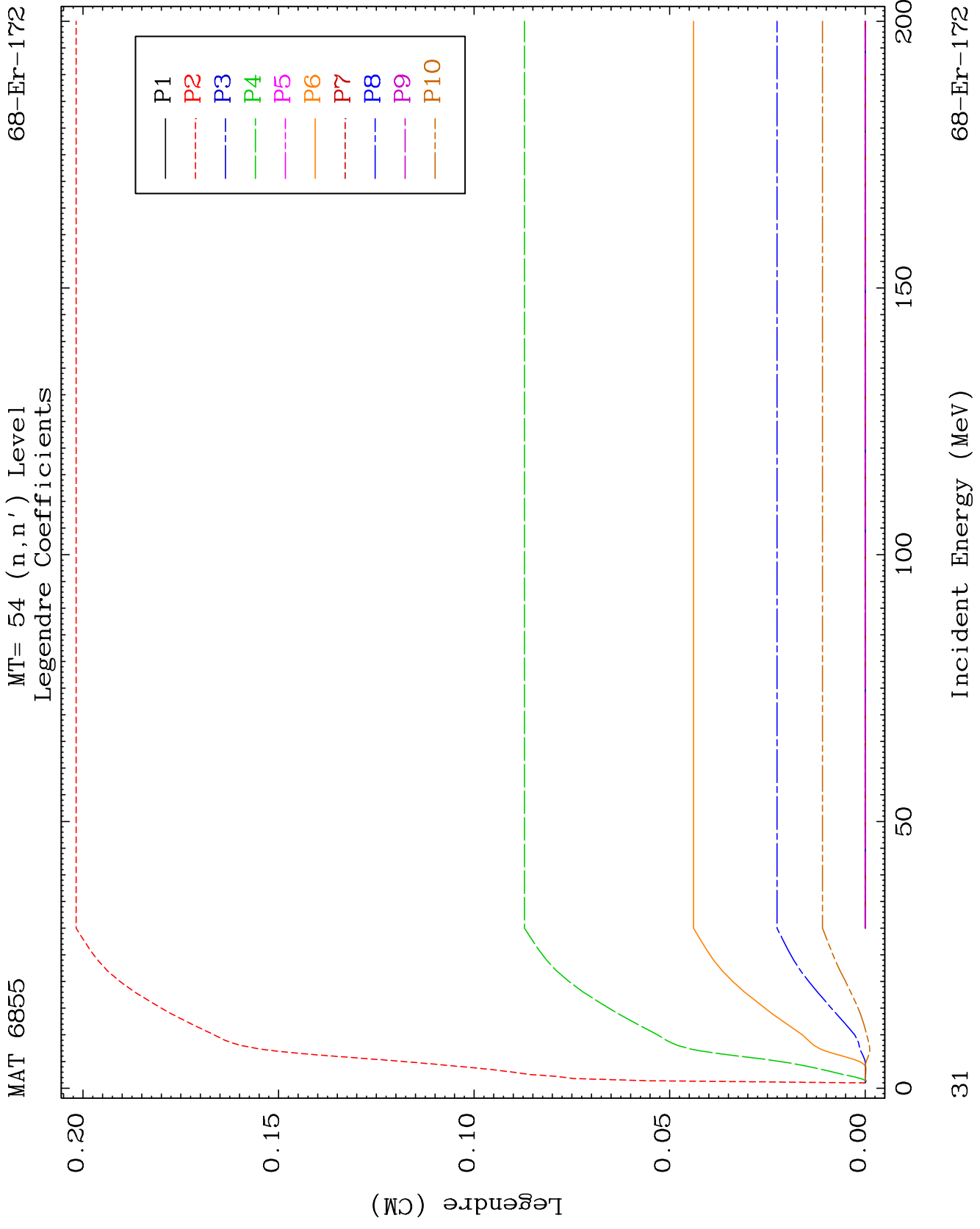


29

Incident Energy (MeV)

68-Er-172



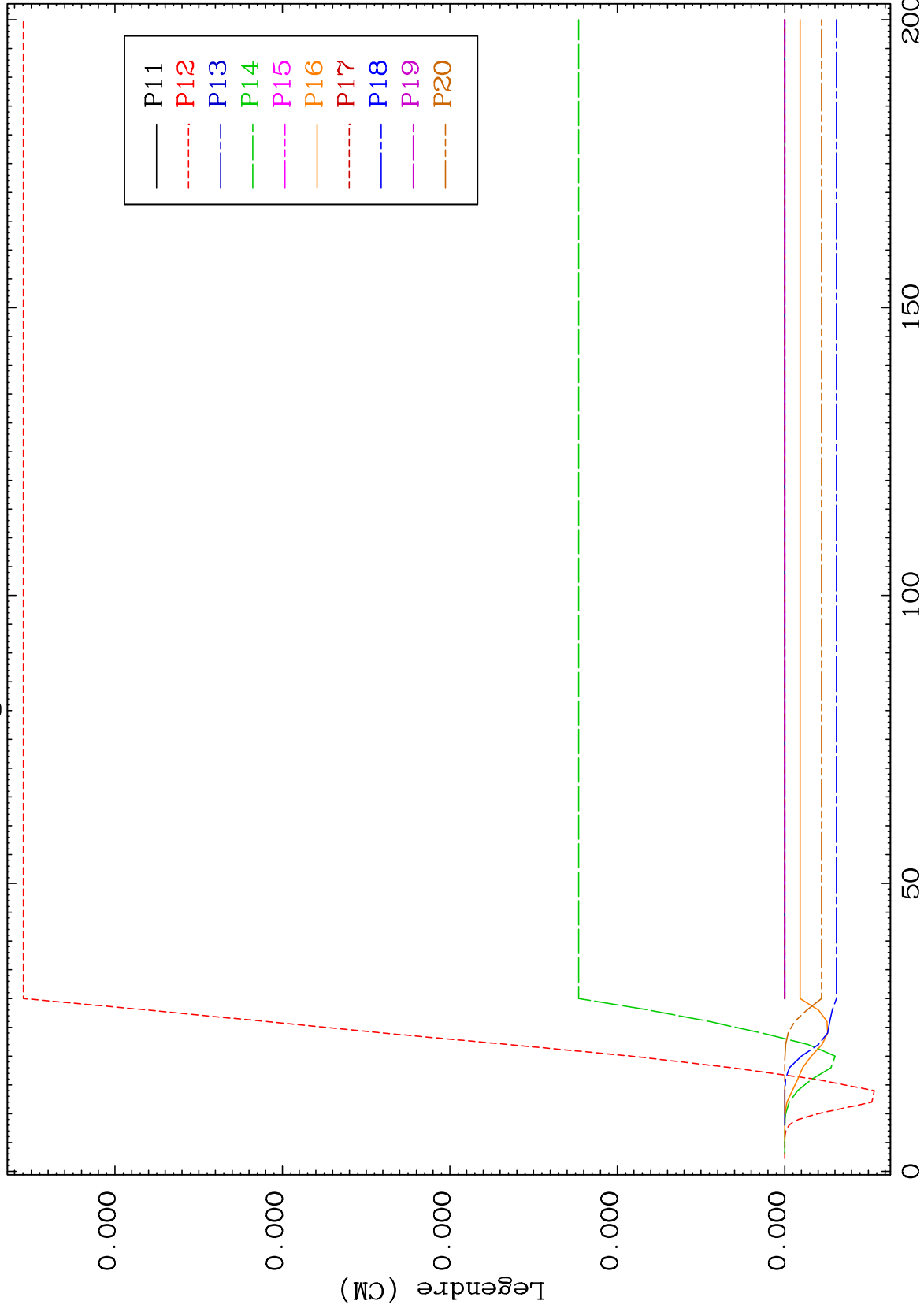


MAT 6855

MT= 54 (n,n') Level

68-Er-172

Legendre Coefficients



32

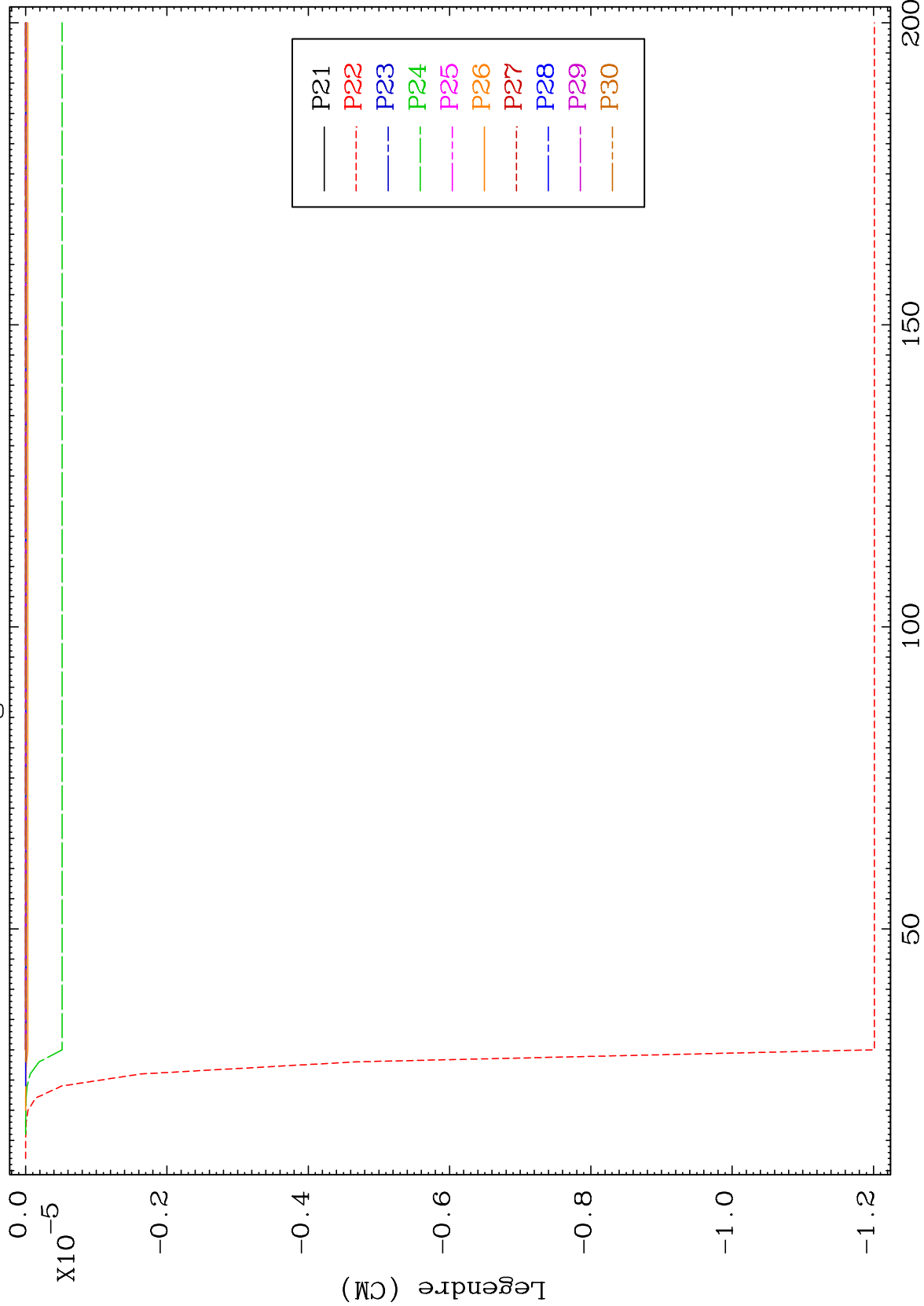
Incident Energy (MeV)

68-Er-172

MAT 6855

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

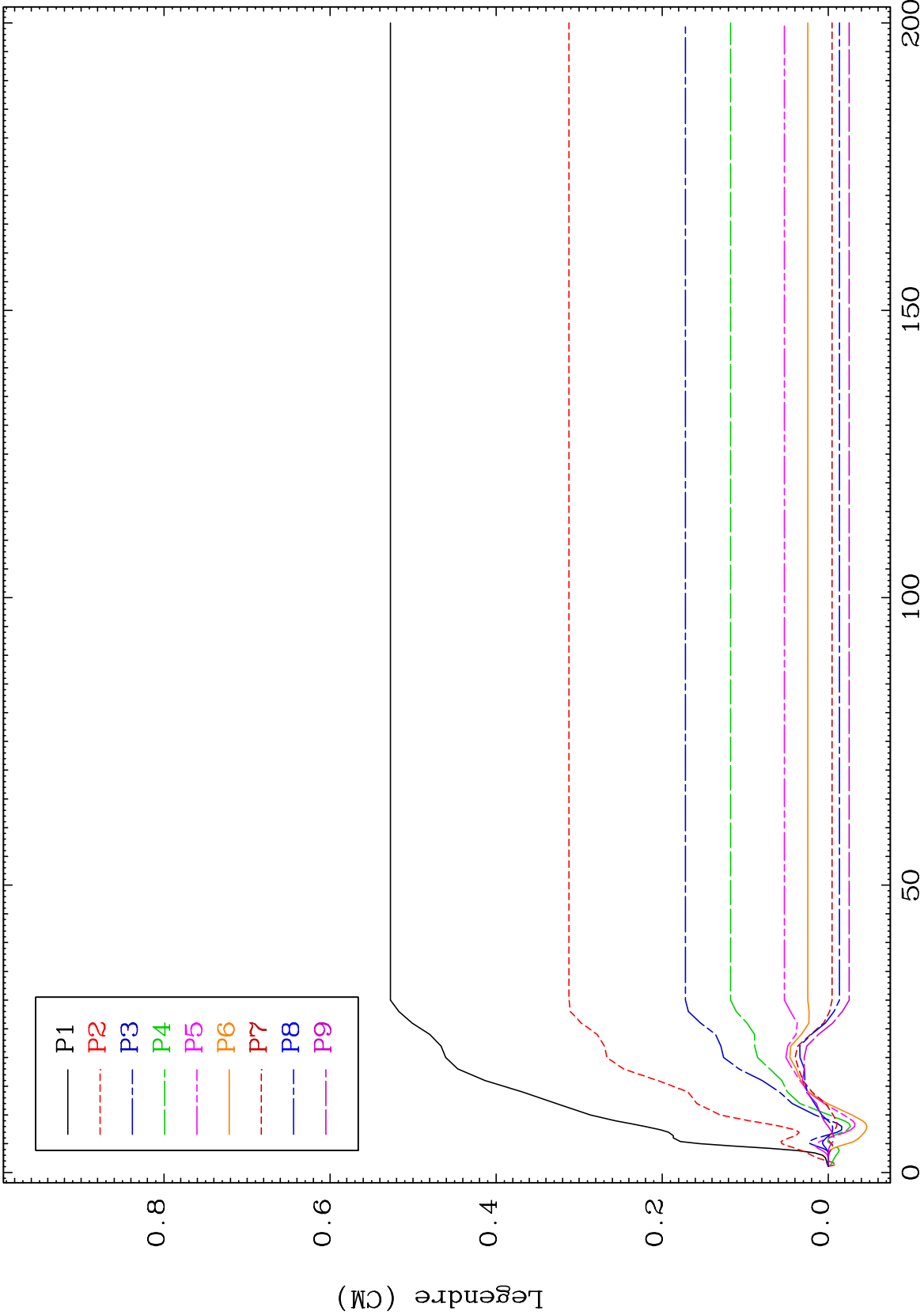
68-Er-172



MAT 6855

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

68-Er-172



34

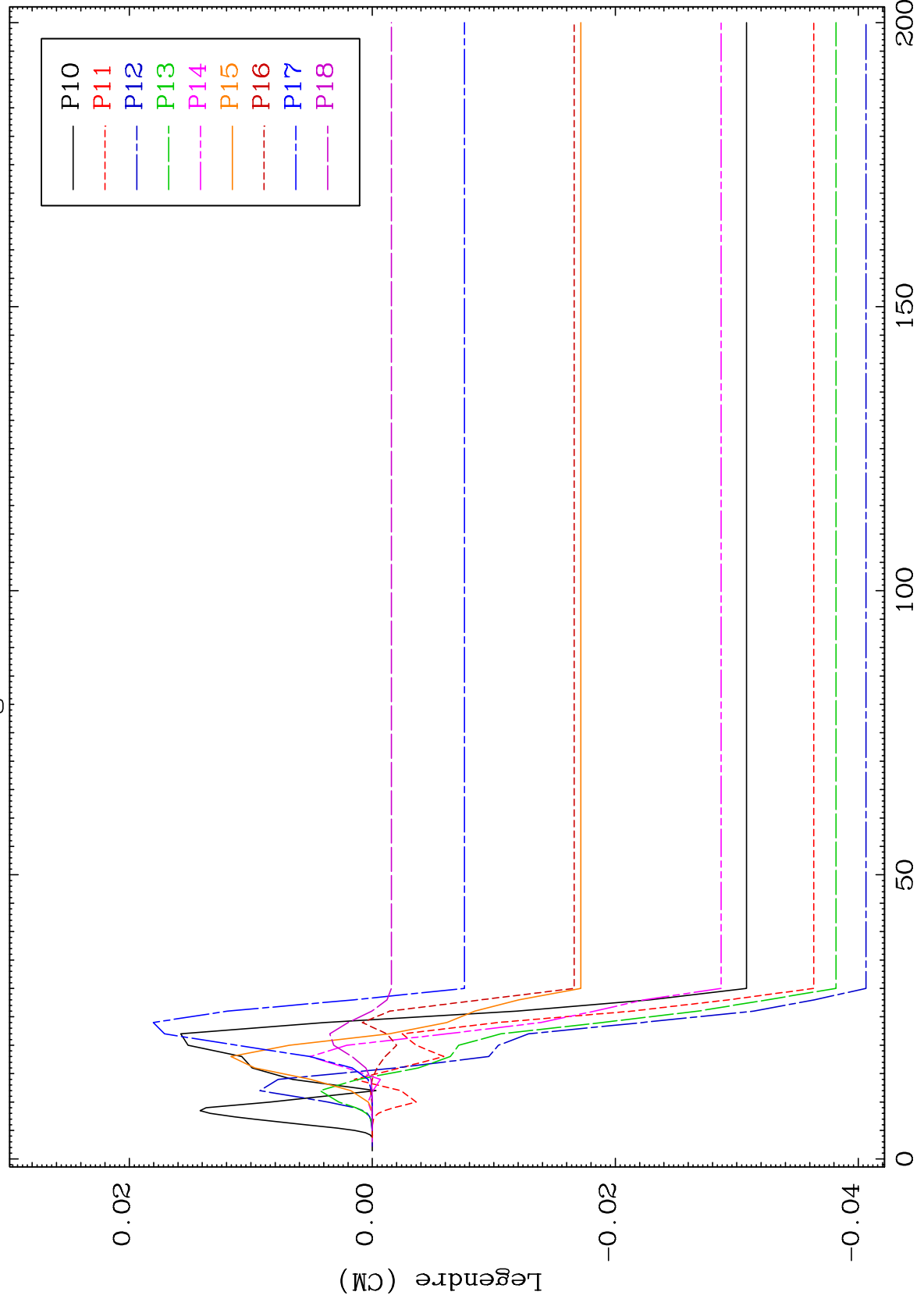
Incident Energy (MeV)

68-Er-172

MAT 6855

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

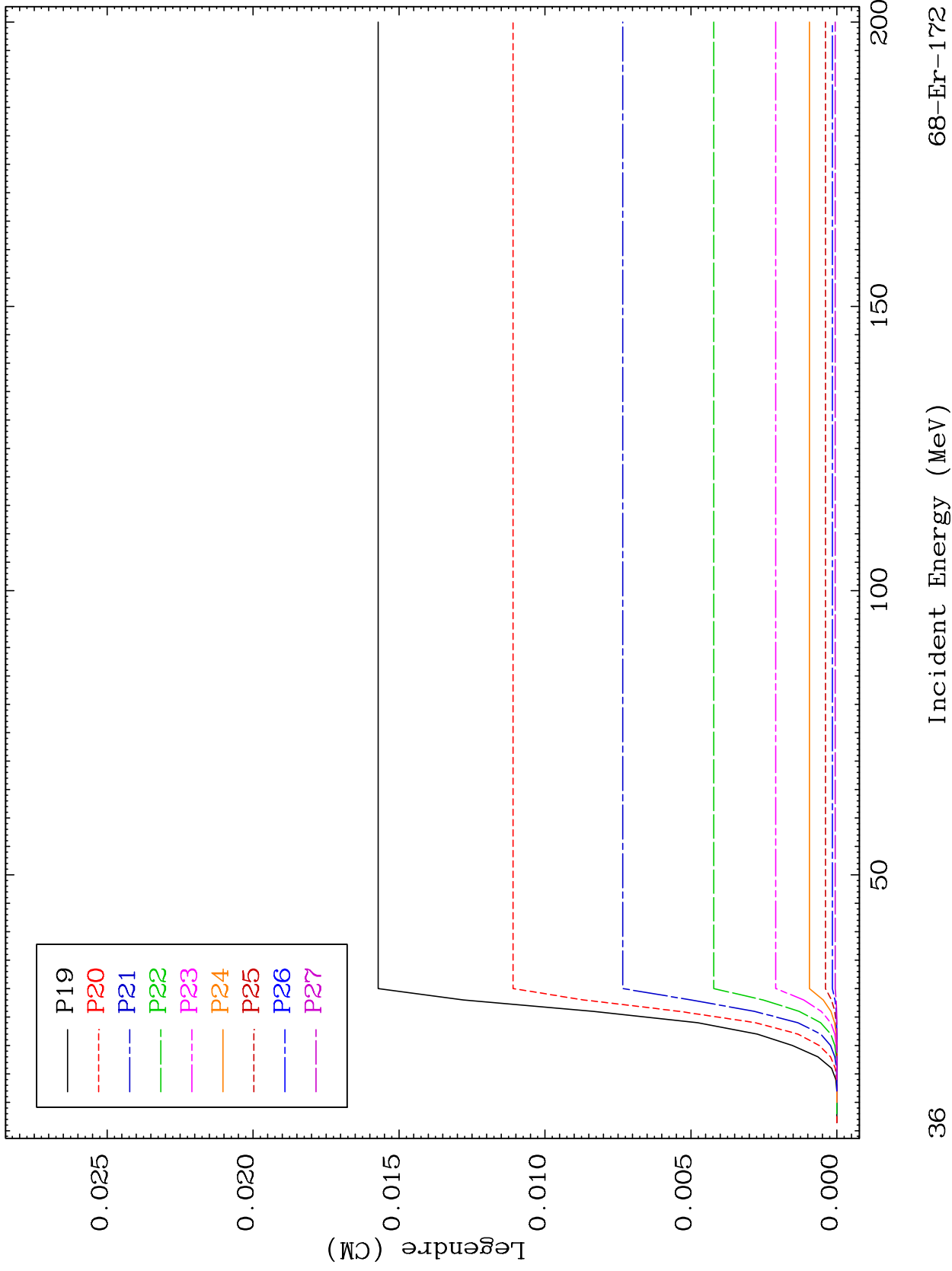
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35

Incident Energy (MeV)

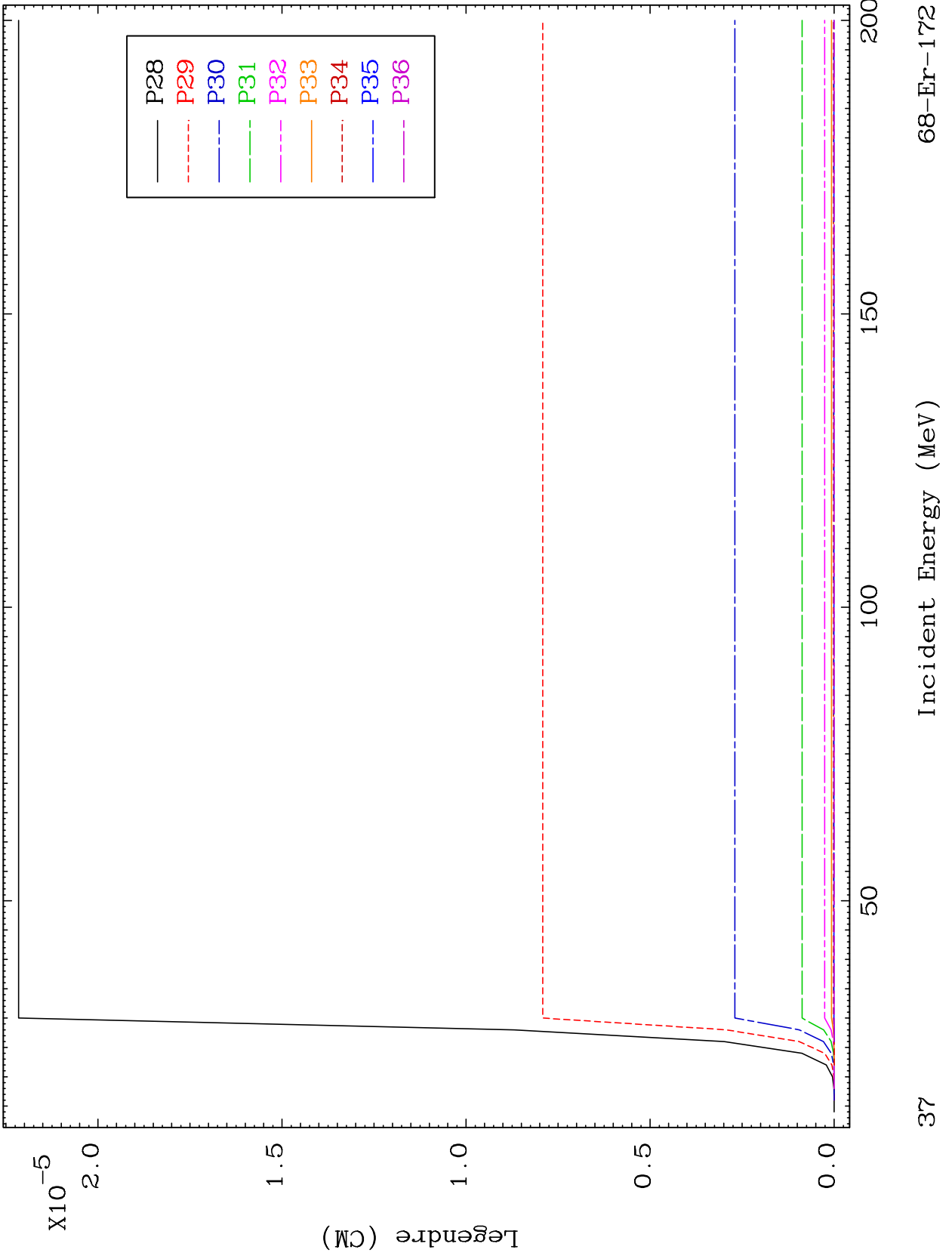
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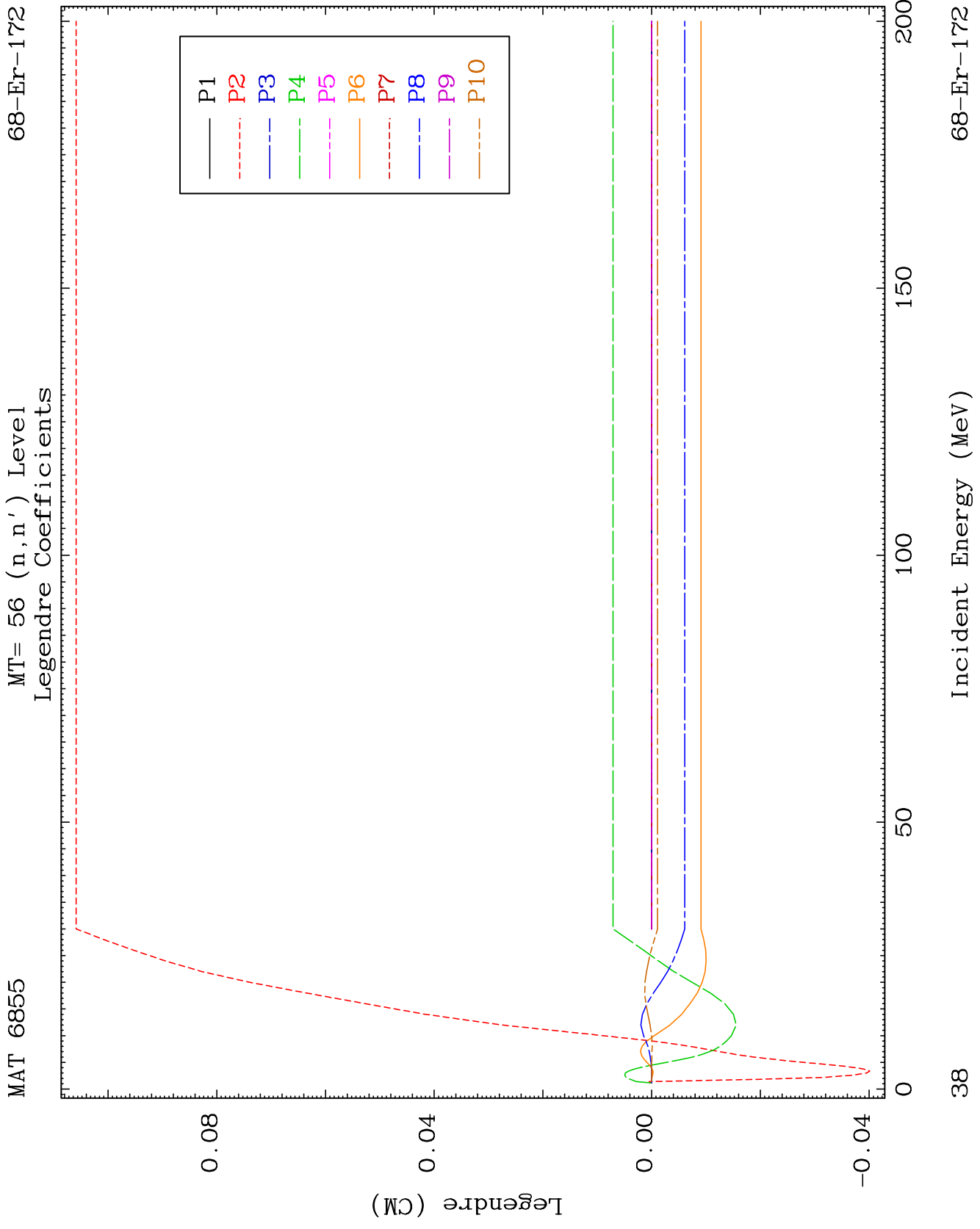
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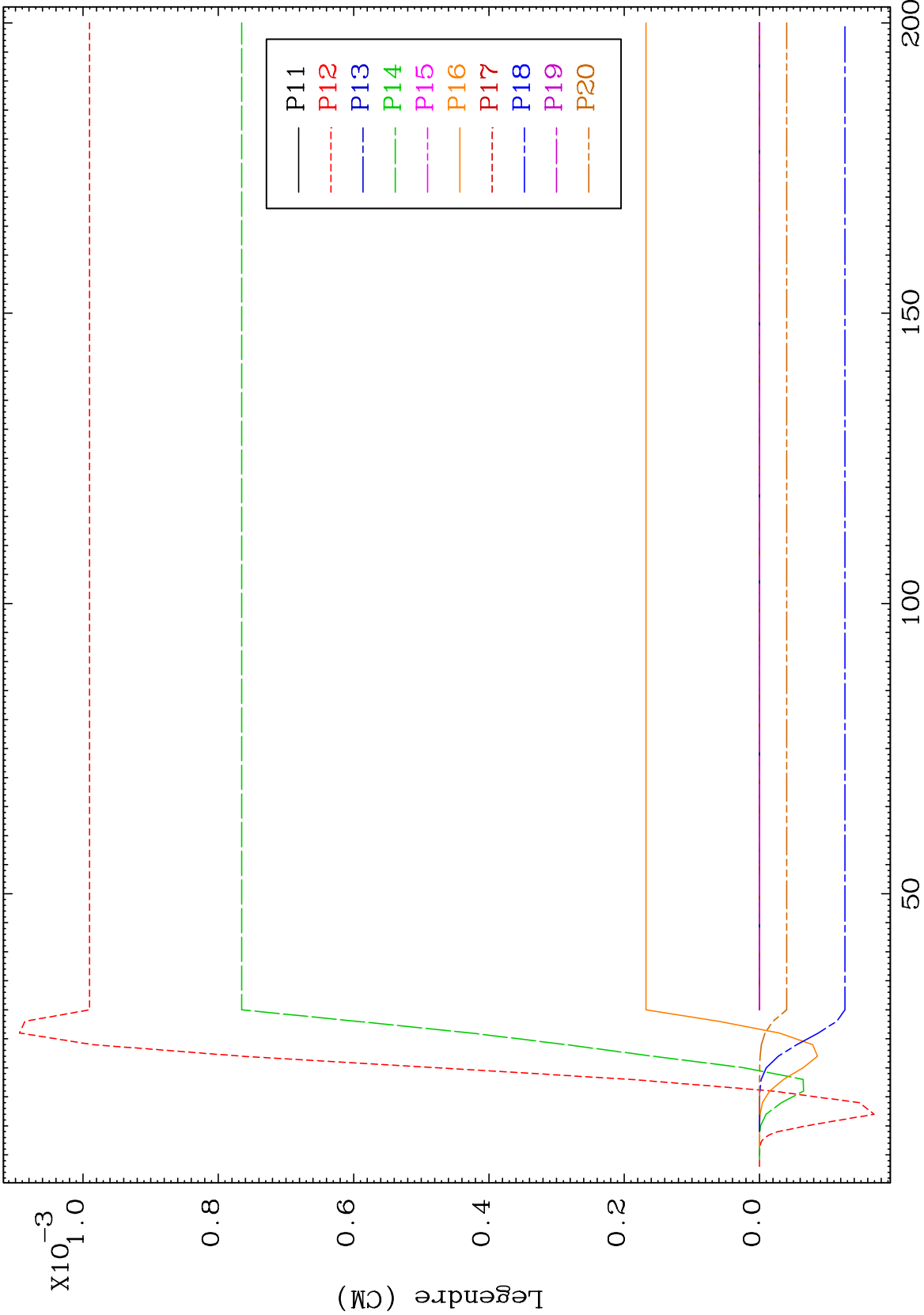
MT= 55 (n,n') Level
Legendre Coefficients

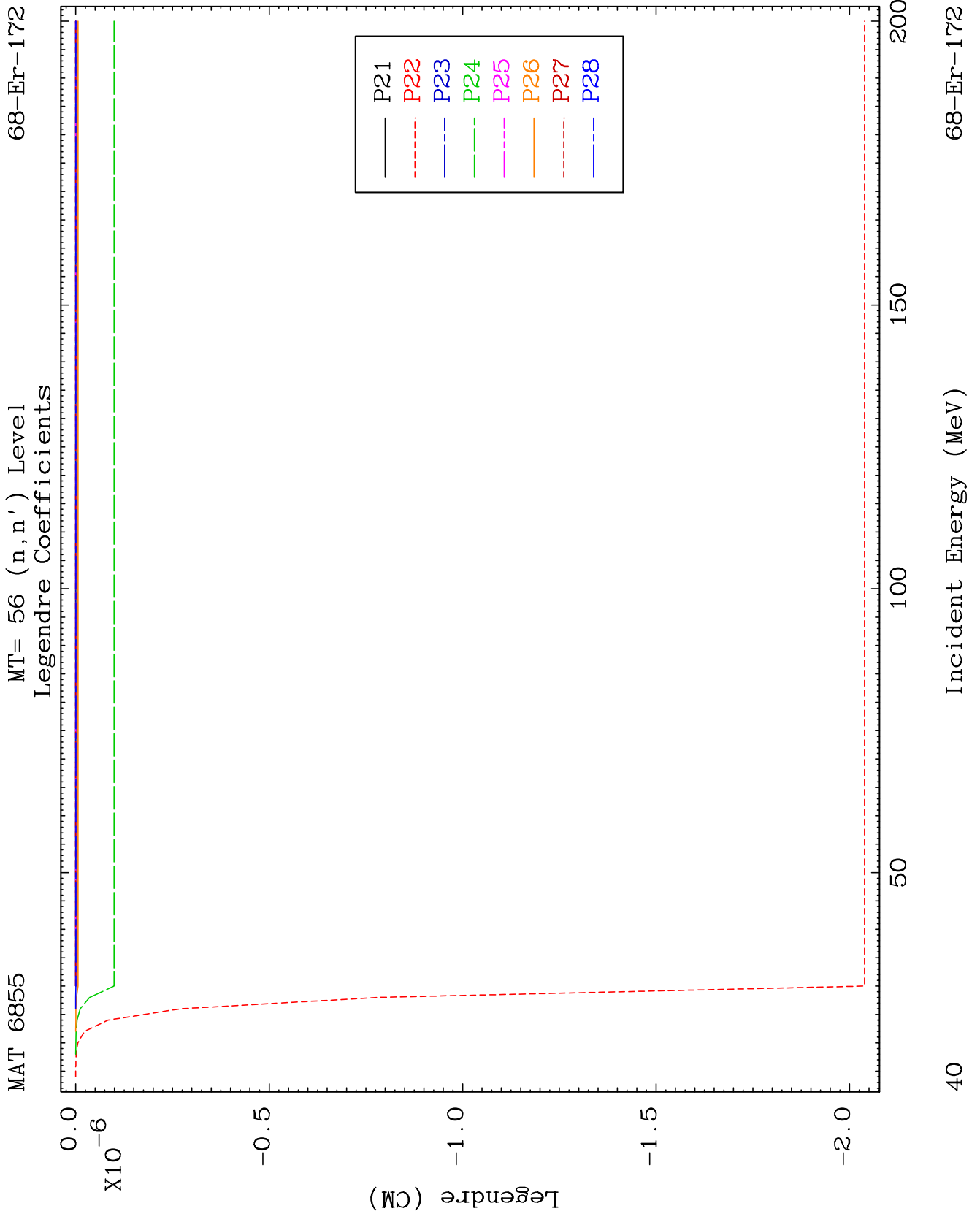
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37



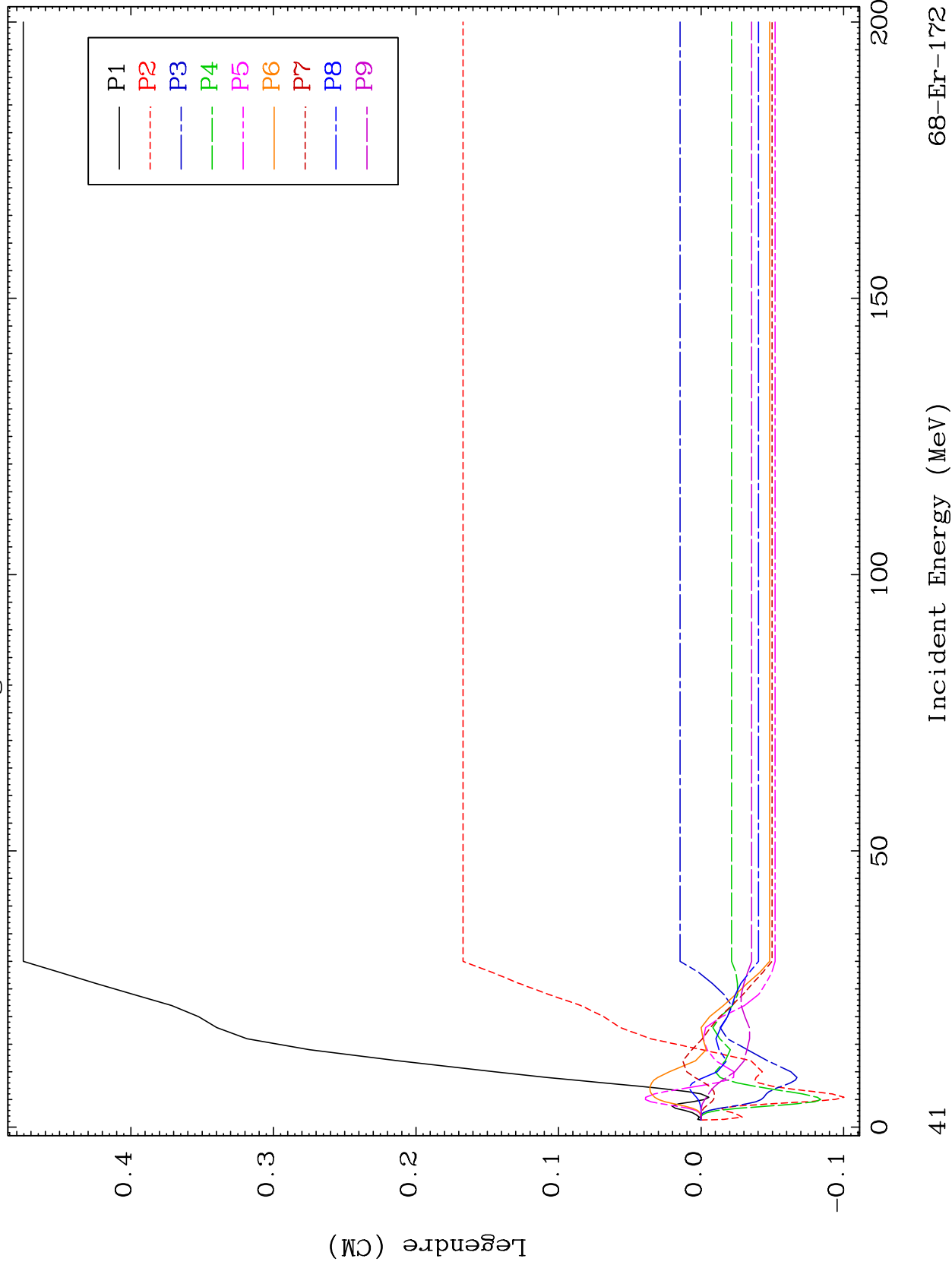




MAT 6855

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

68-Er-172



68-Er-172

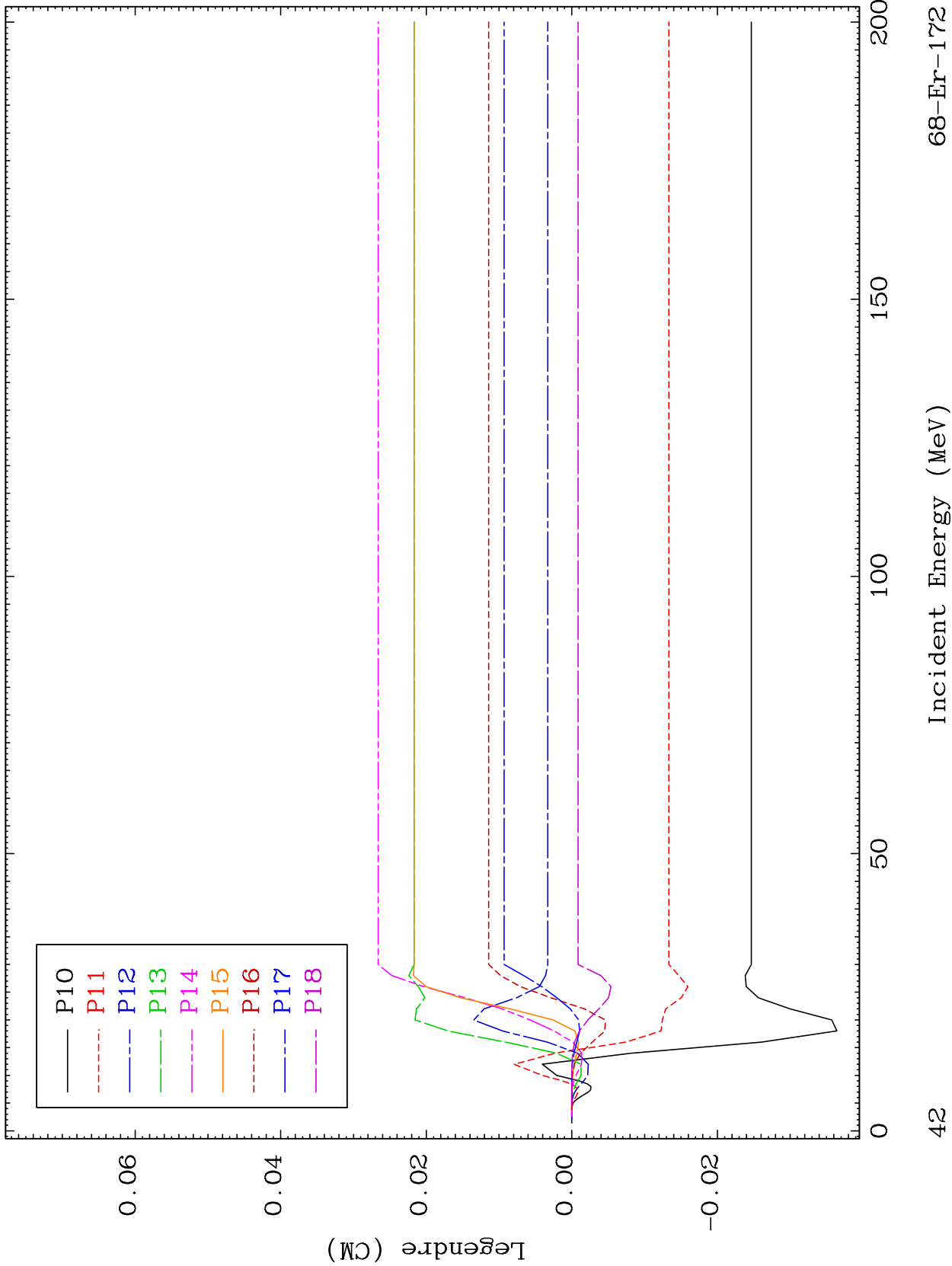
Incident Energy (MeV)

41

MAT 6855

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

68-Er-172



68-Er-172

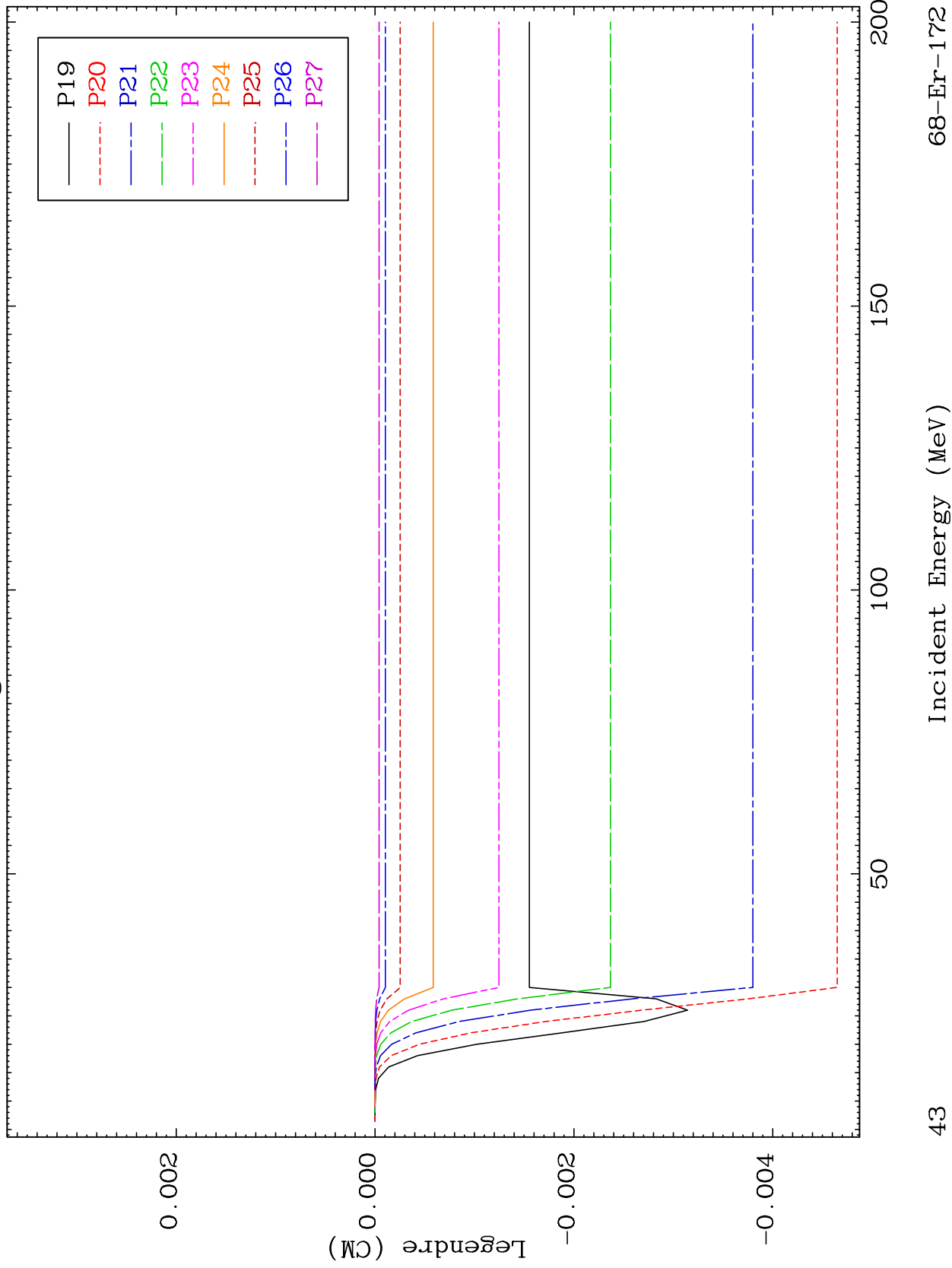
Incident Energy (MeV)

42

MAT 6855

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

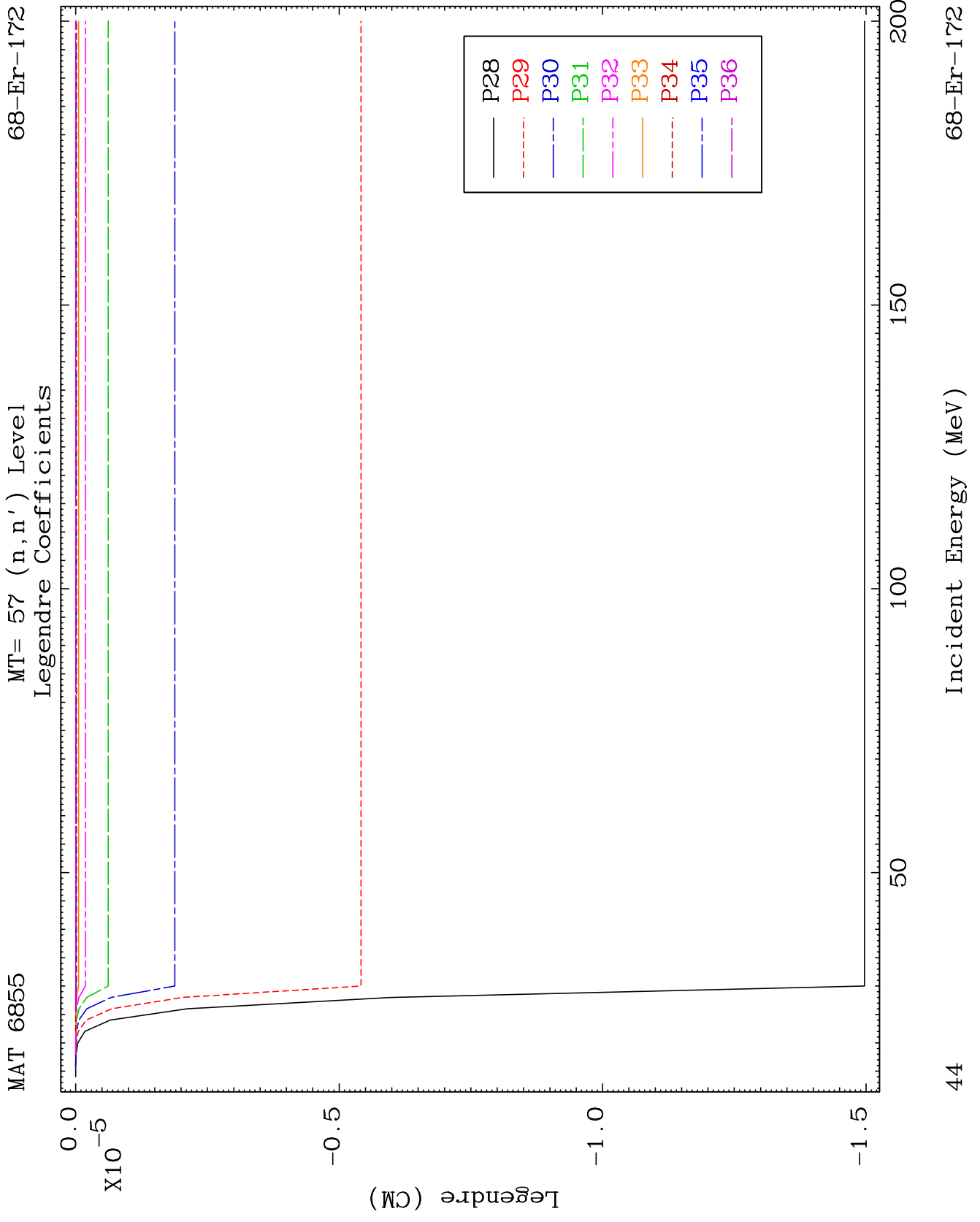
68-Er-172



43

Incident Energy (MeV)

68-Er-172

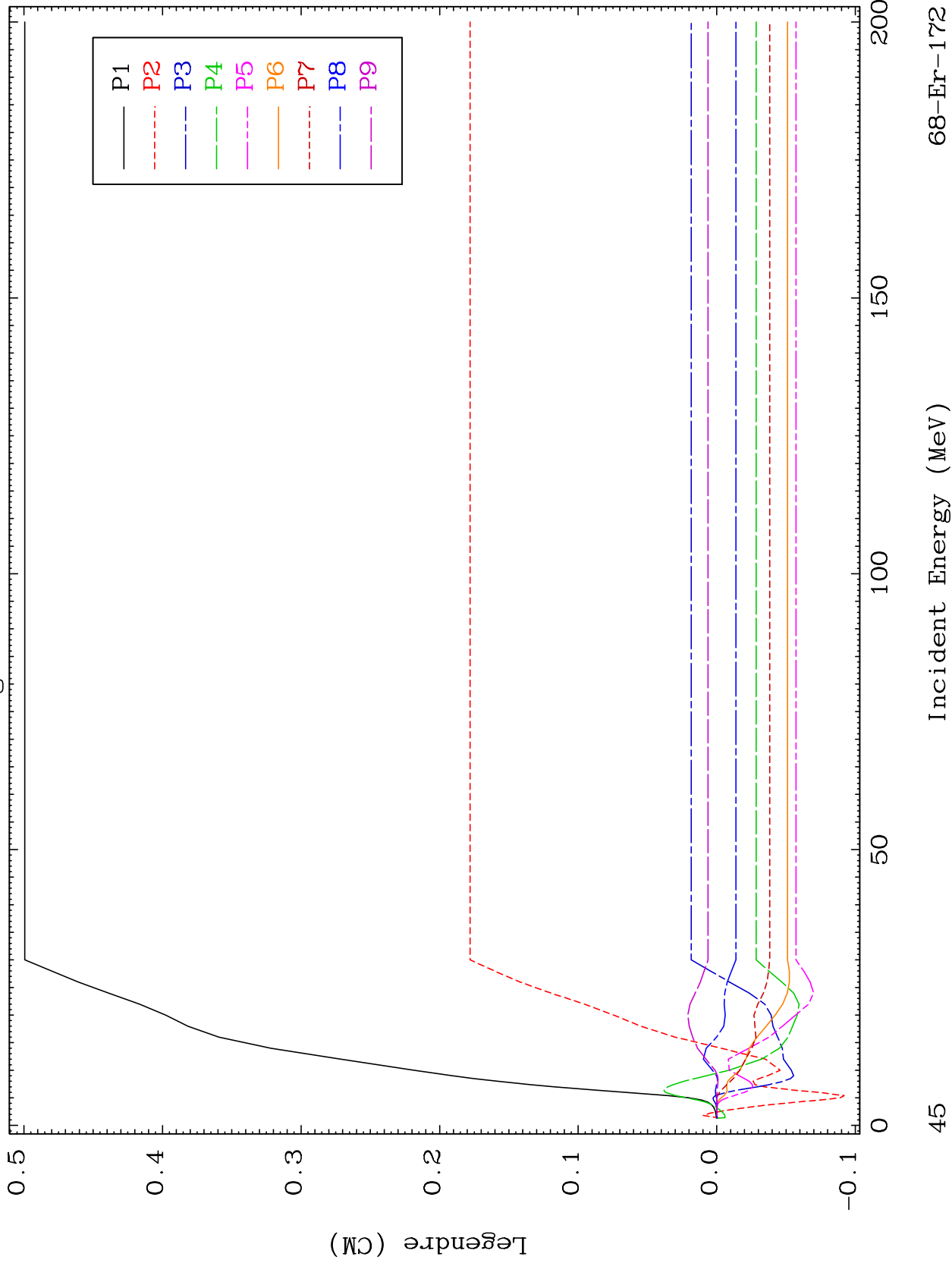


MAT 6855

MT= 58 (n,n') Level

68-Er-172

Legendre Coefficients



68-Er-172

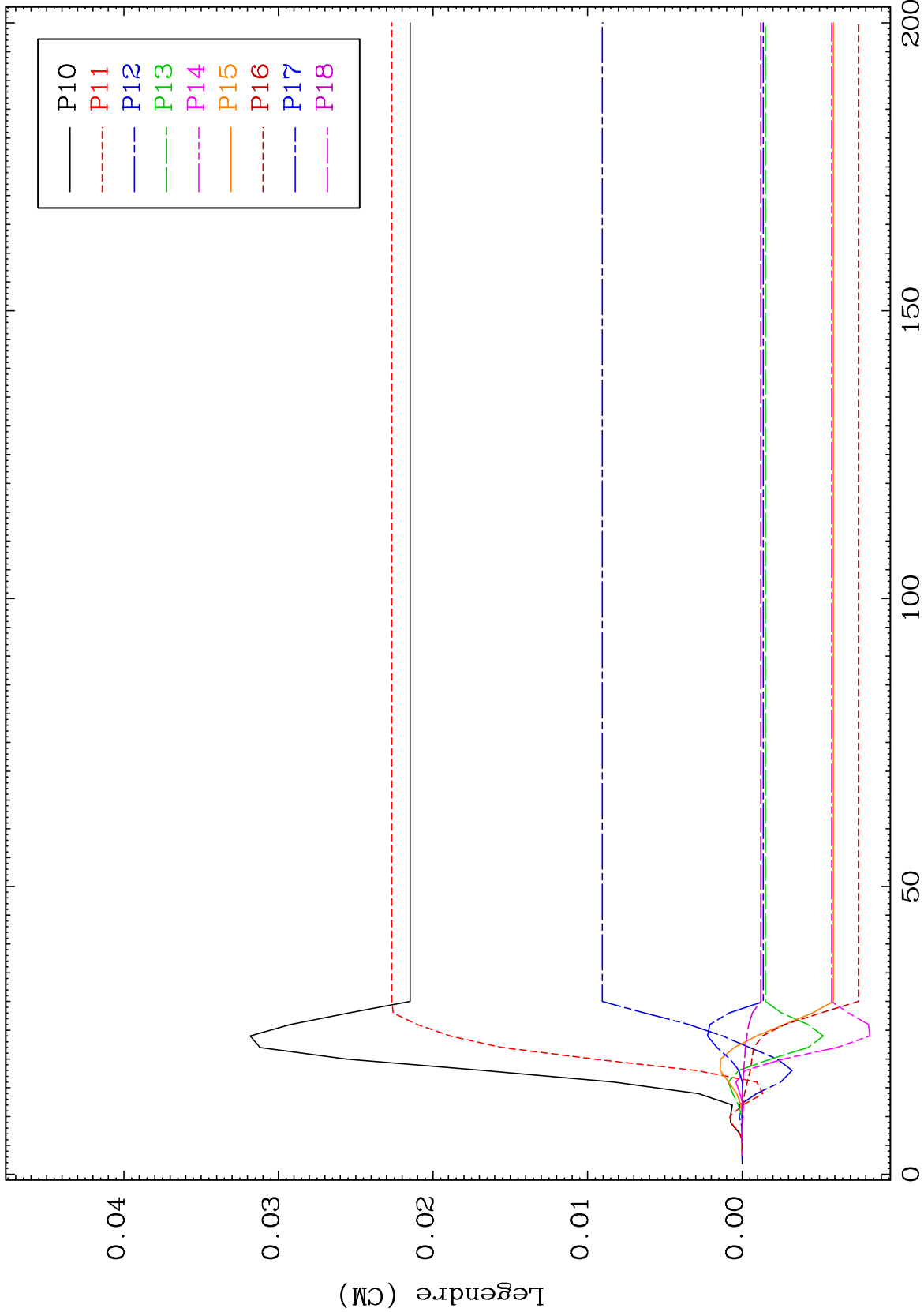
Incident Energy (MeV)

45

MAT 6855

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

68-Er-172



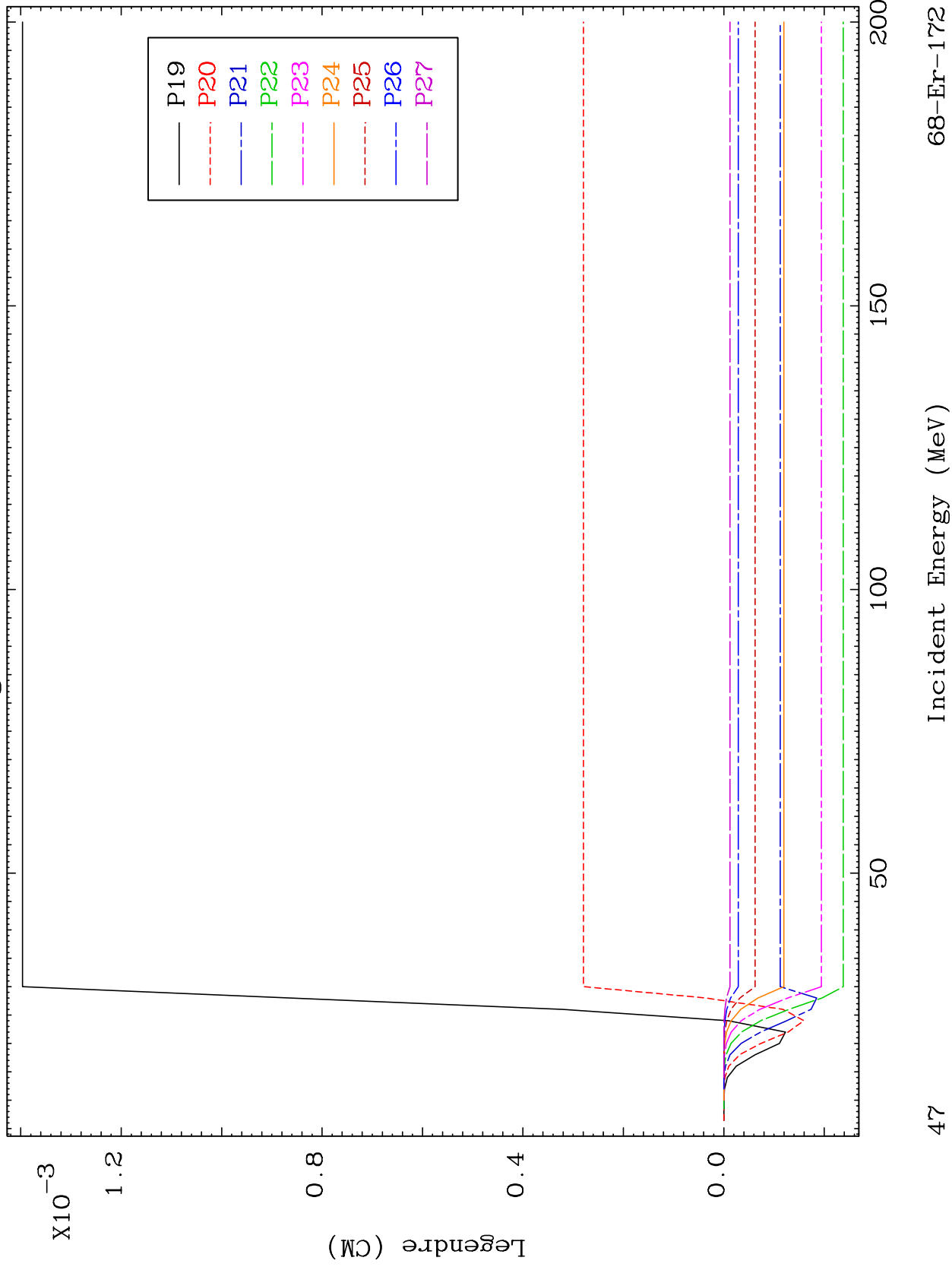
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68-Er-172

MAT 6855

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

68-Er-172



47

Incident Energy (MeV)

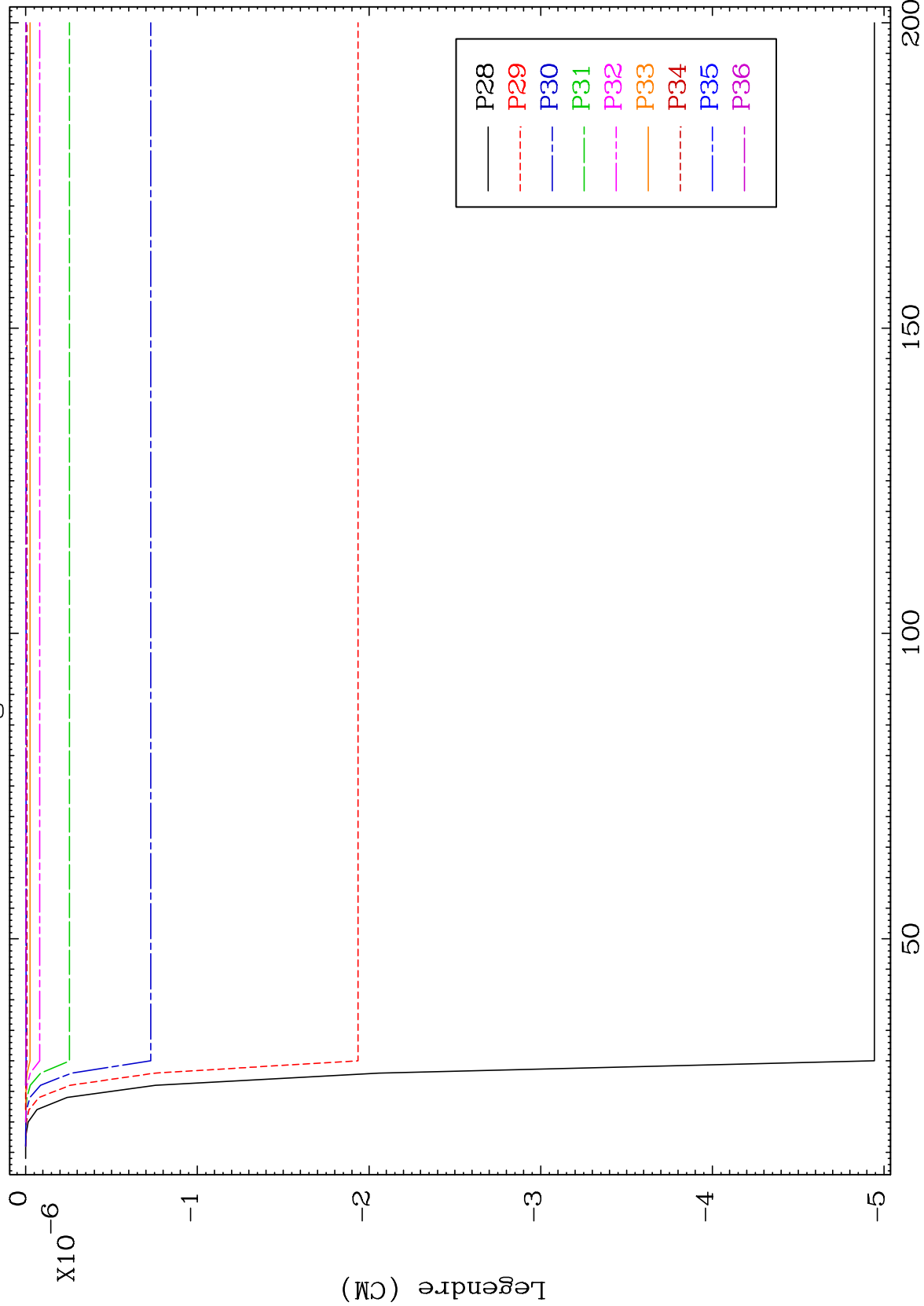
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MAT 6855

MT= 58 (n,n') Level

68-Er-172

Legendre Coefficients



68-Er-172

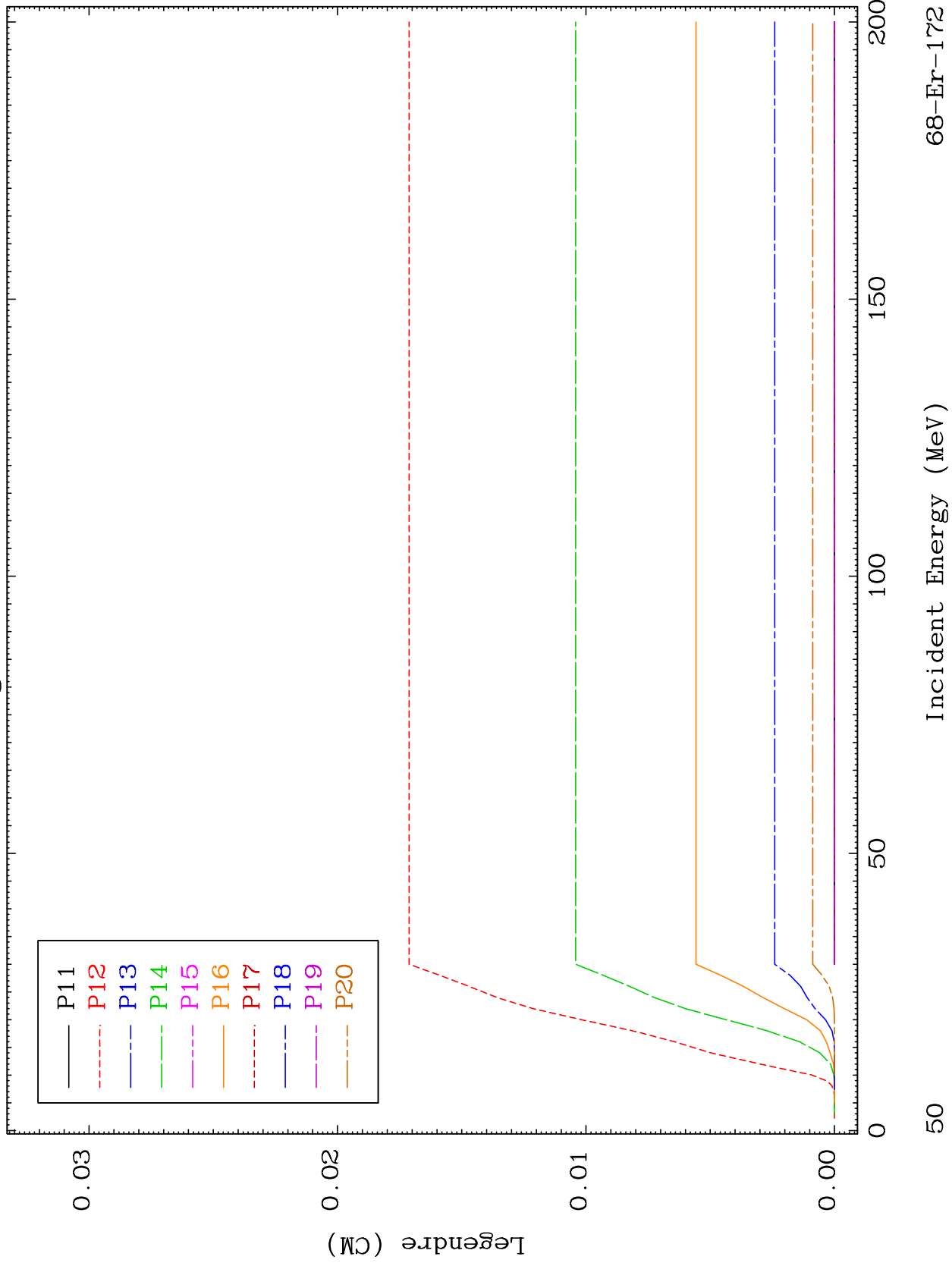
Incident Energy (MeV)

48

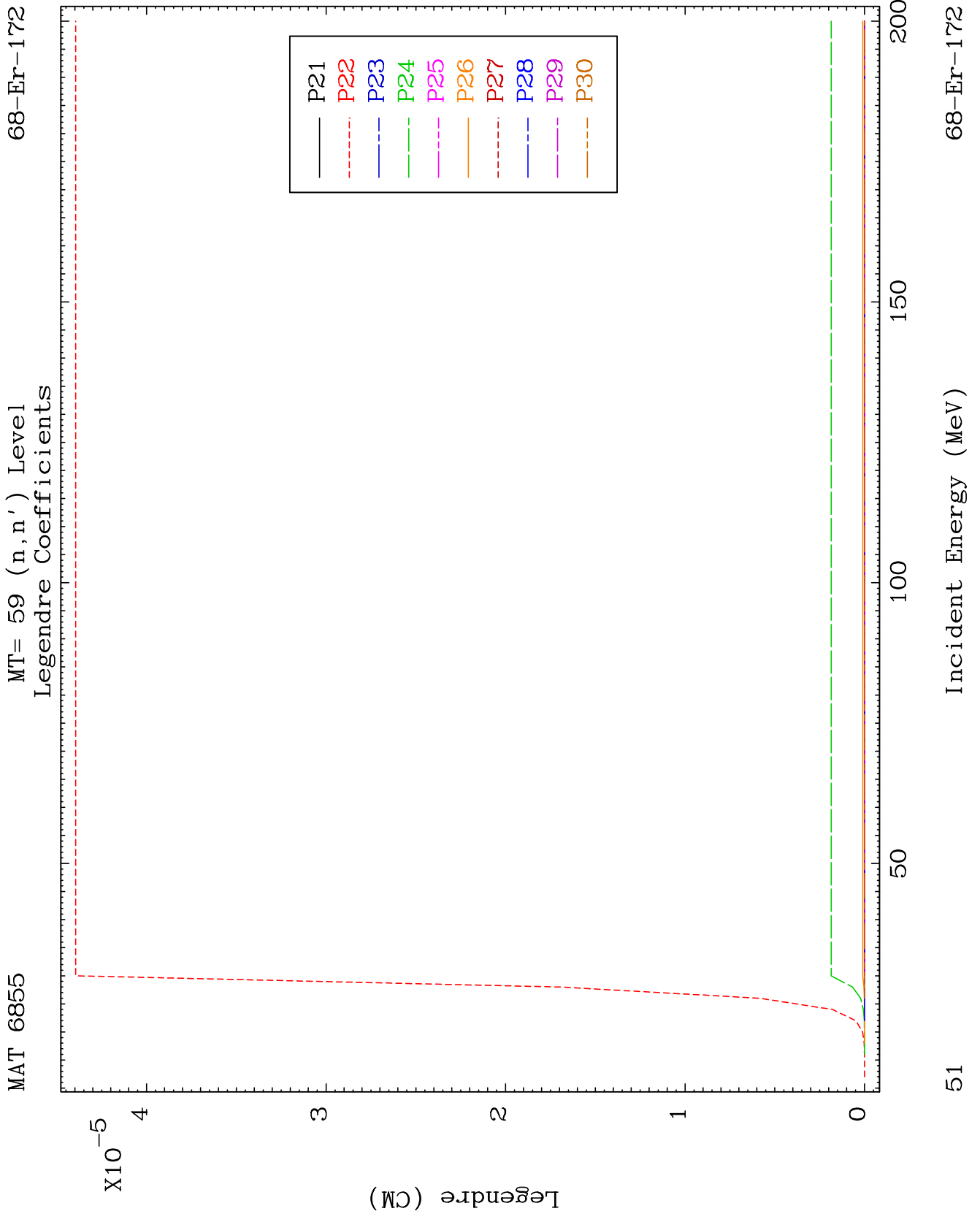
MAT 6855

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

68-Er-172



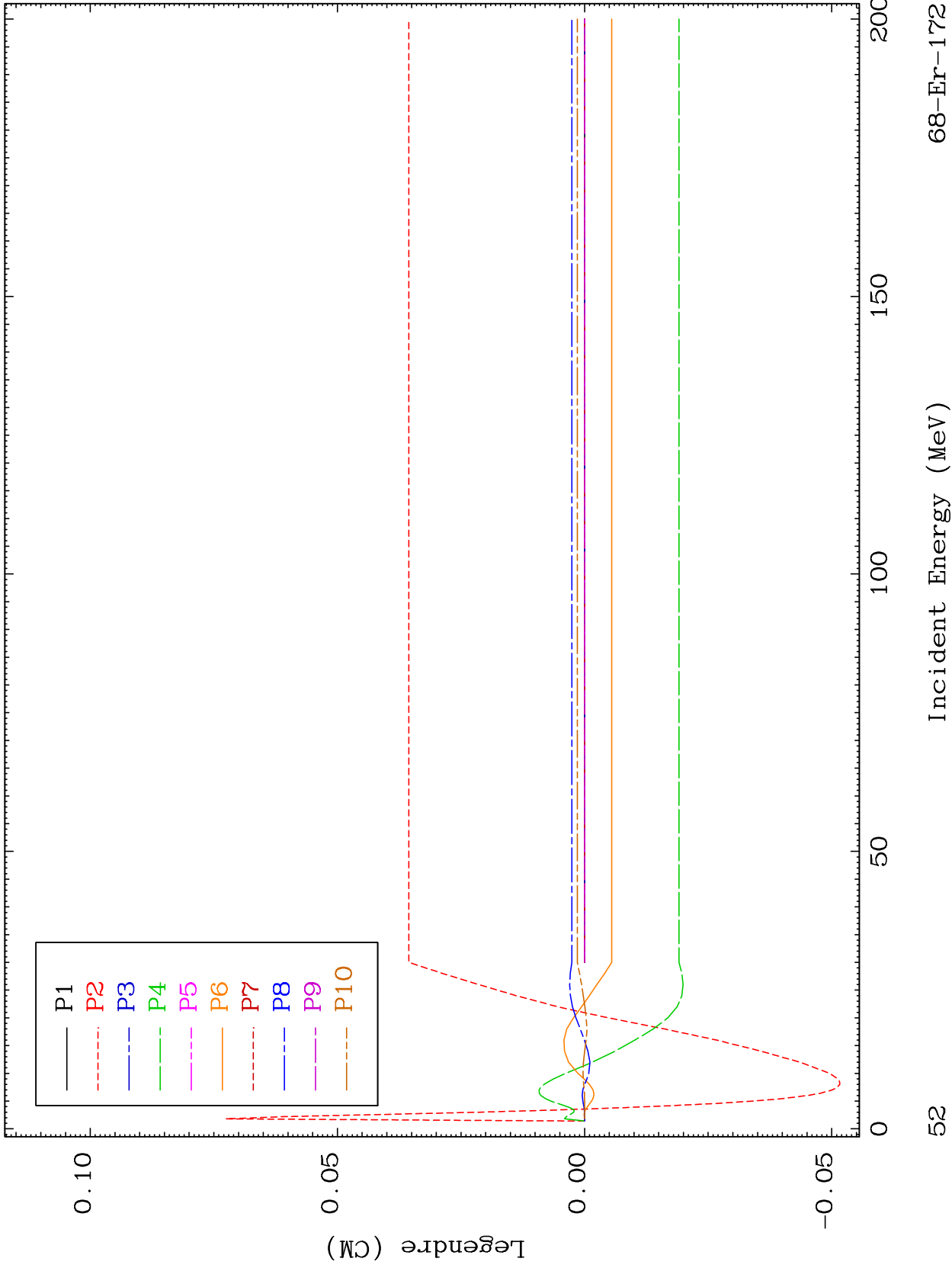
68-Er-172



MAT 6855

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

68-Er-172



68-Er-172

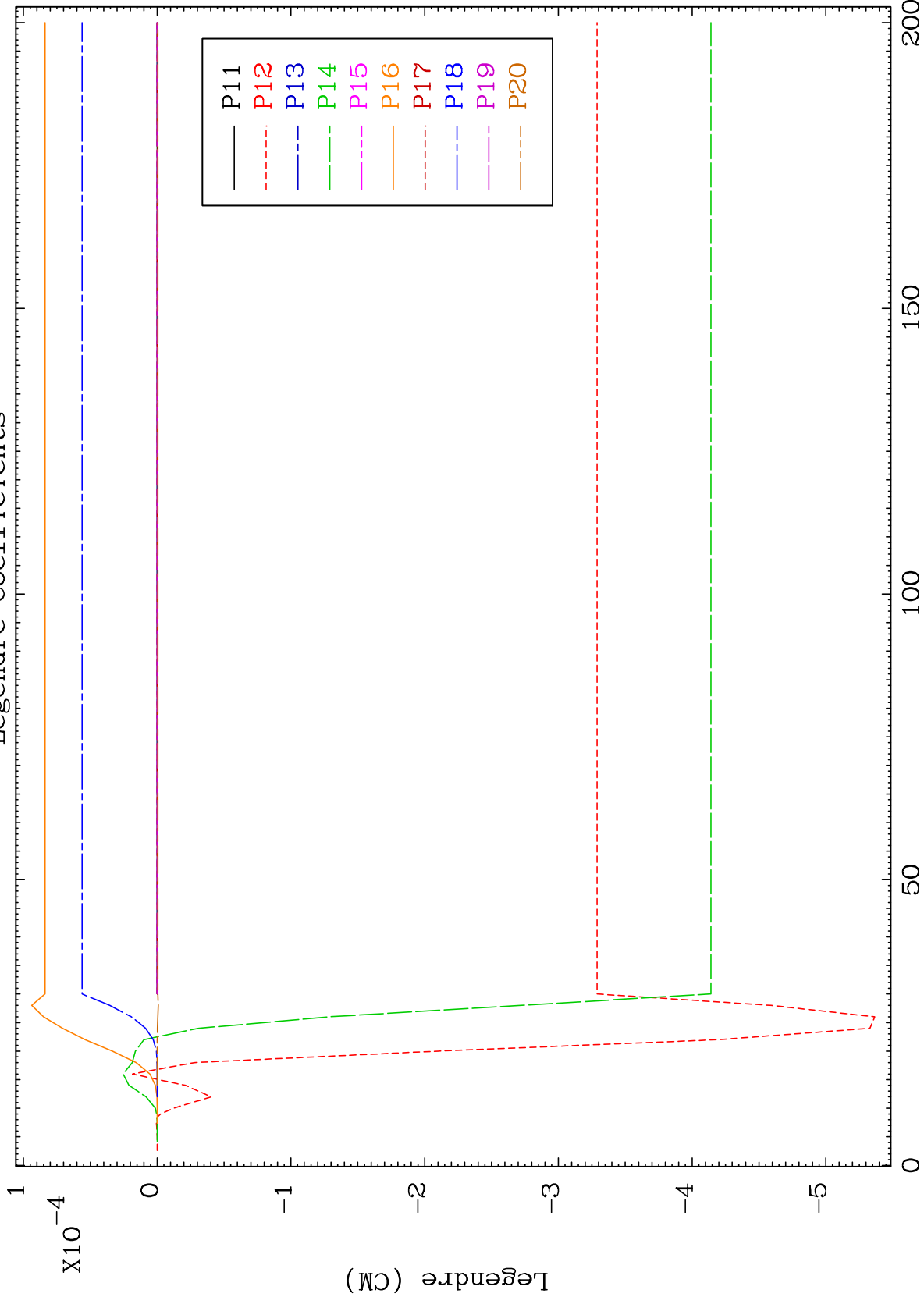
Incident Energy (MeV)

52

MAT 6855

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

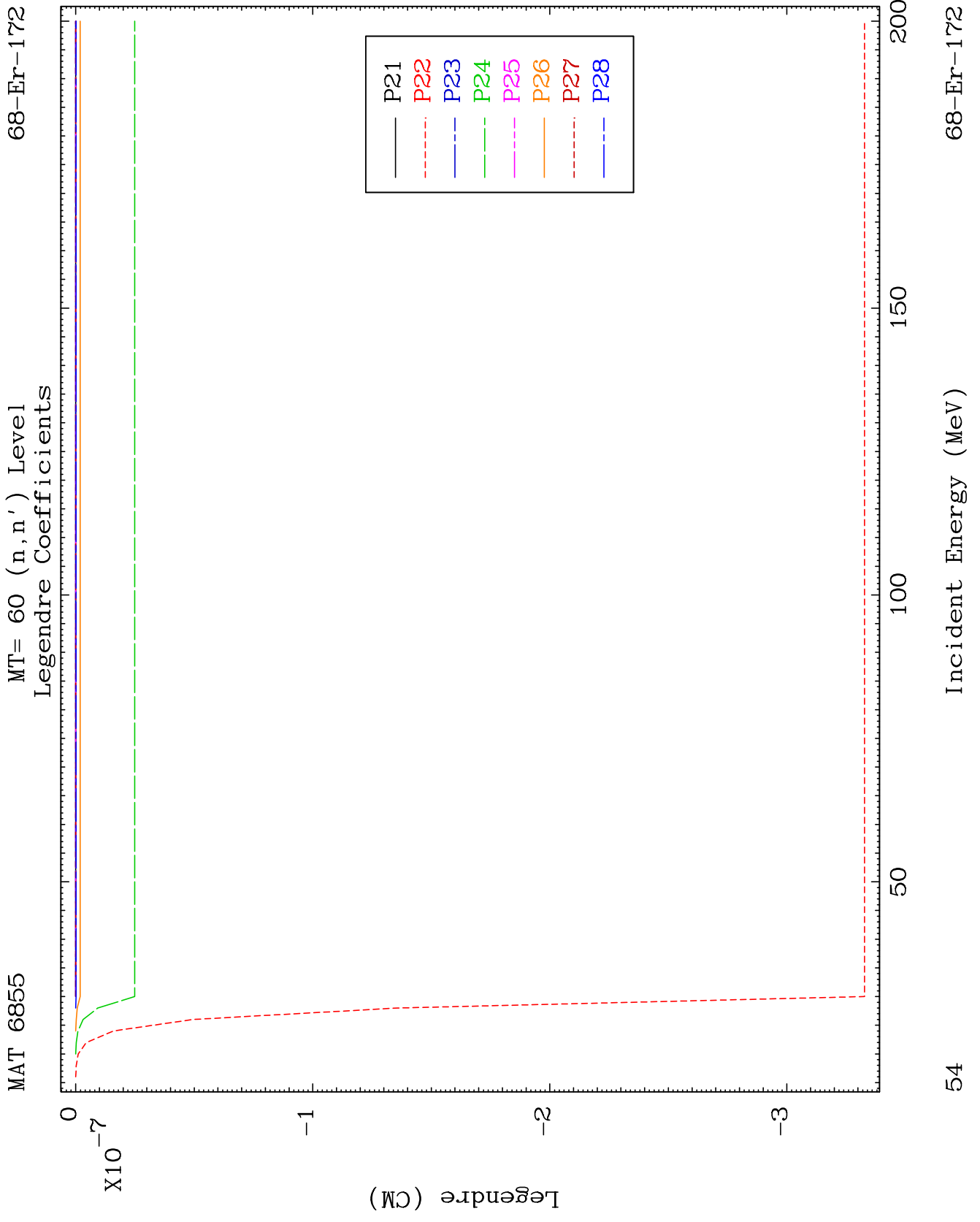
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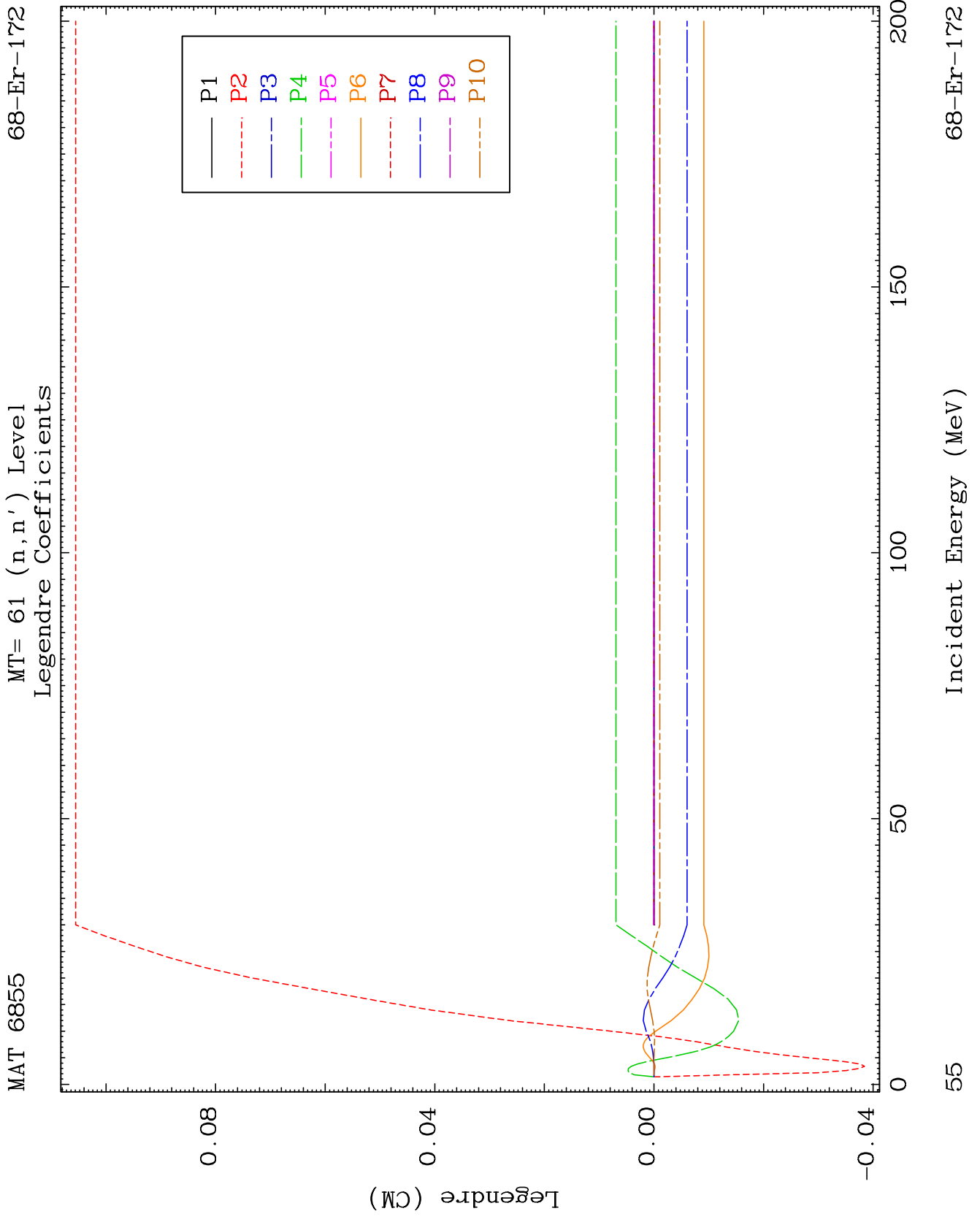


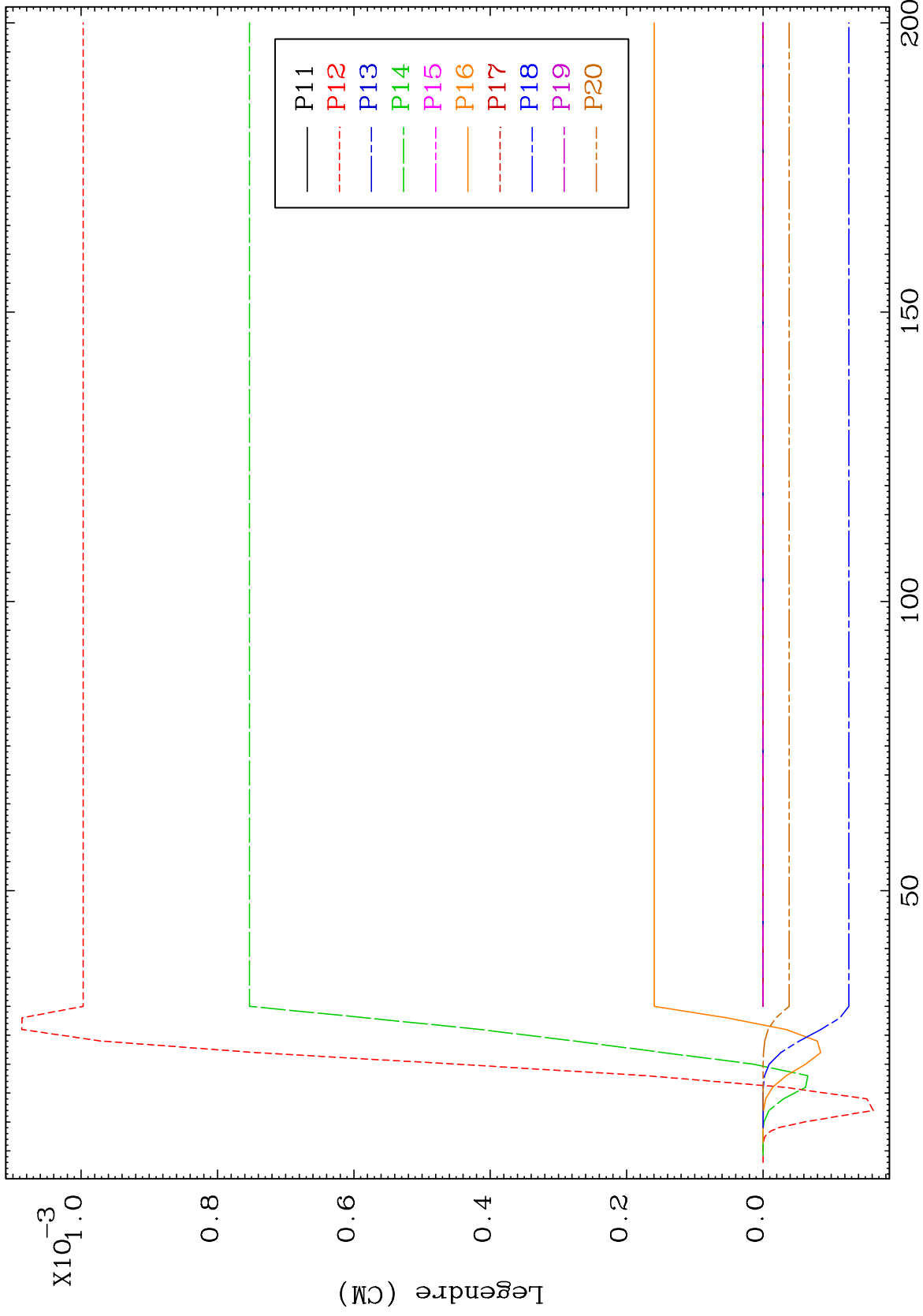
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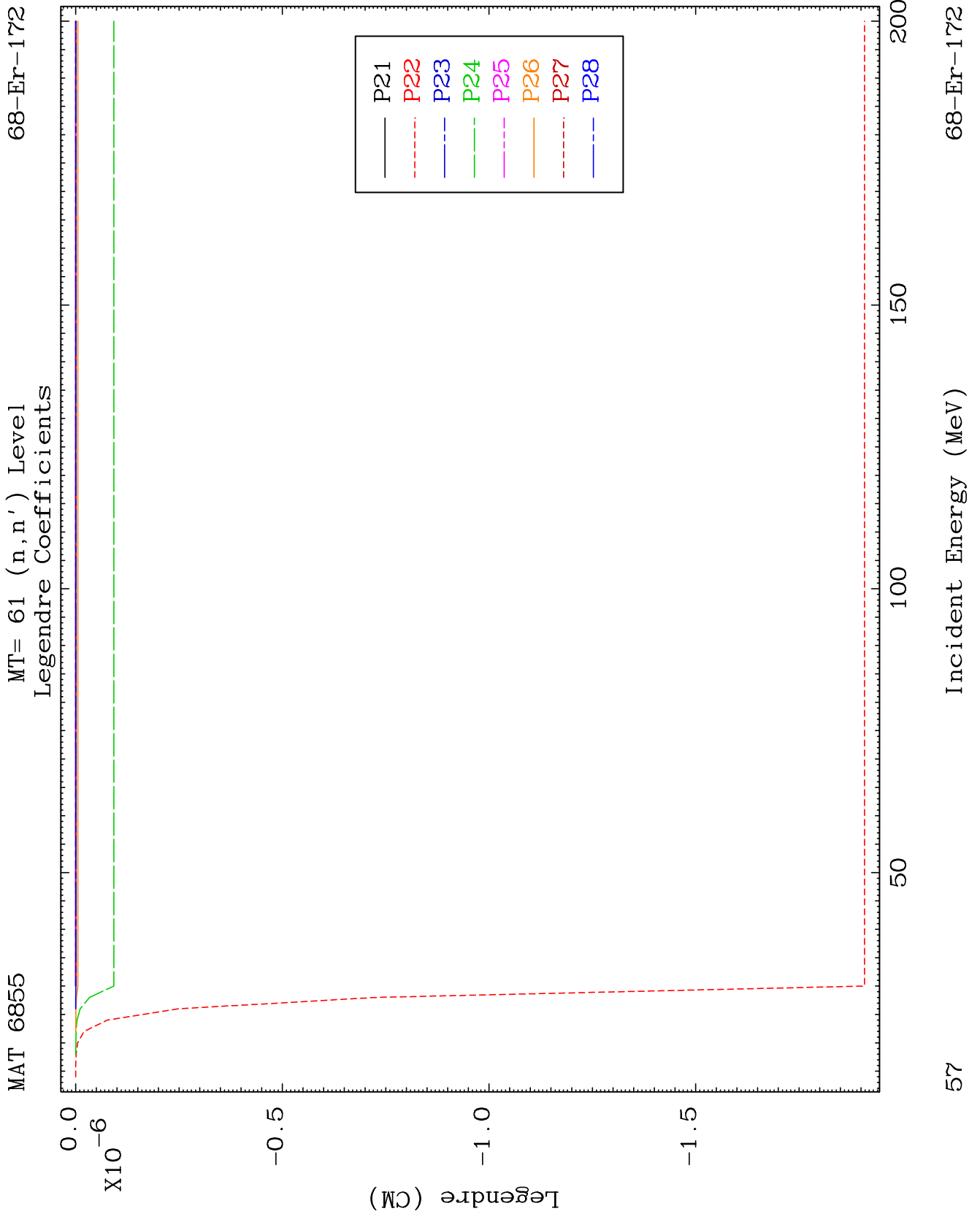
Incident Energy (MeV)

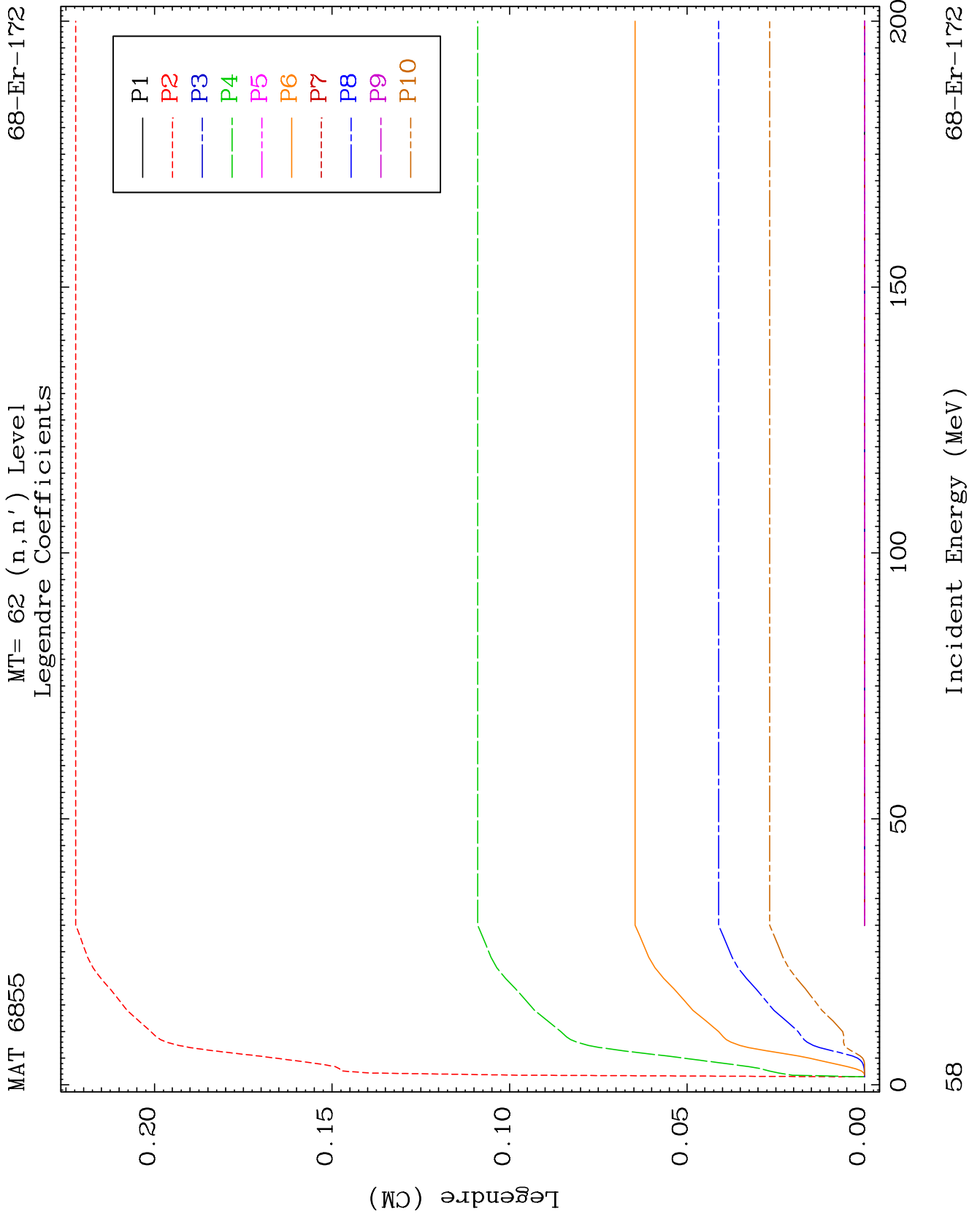
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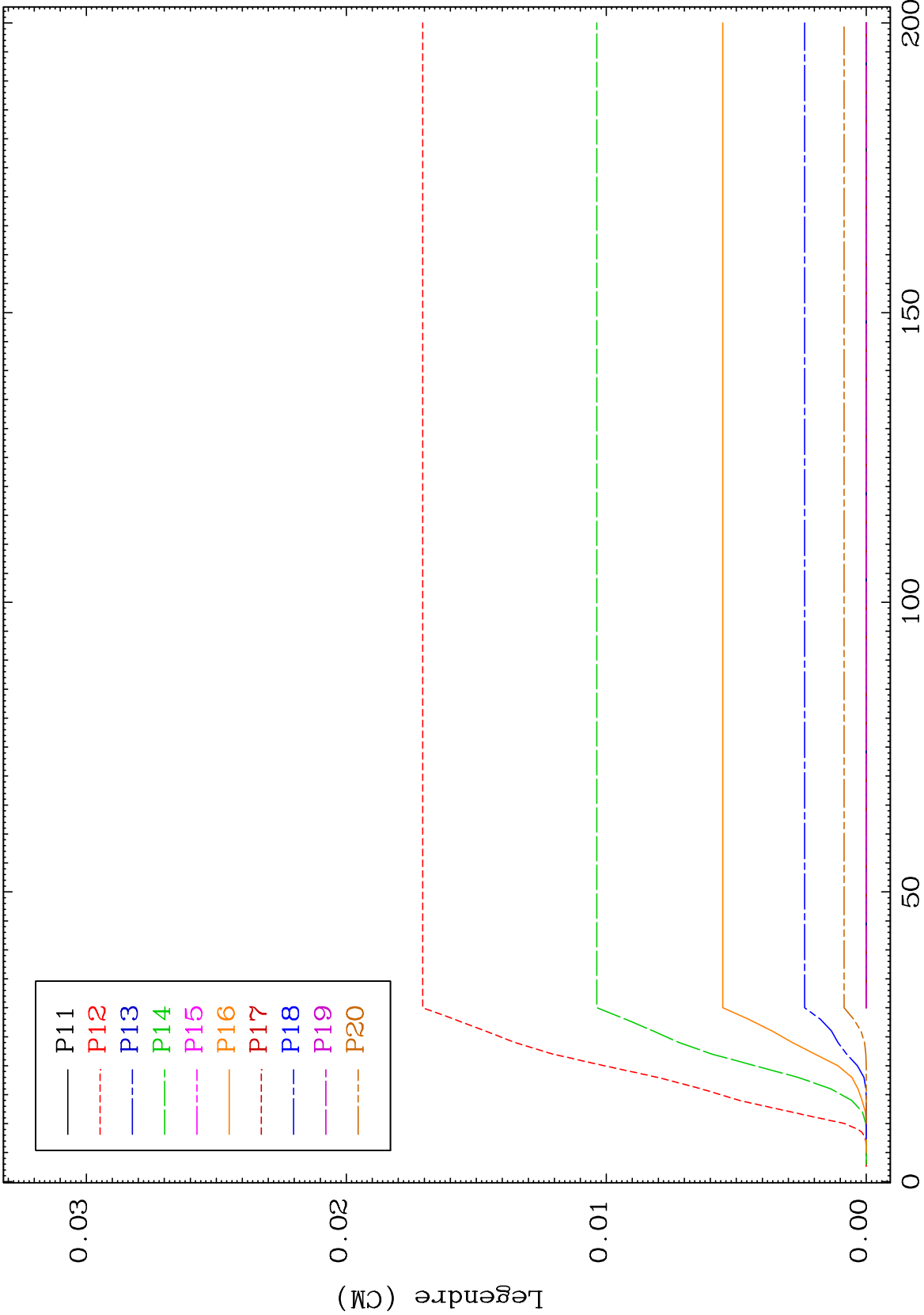


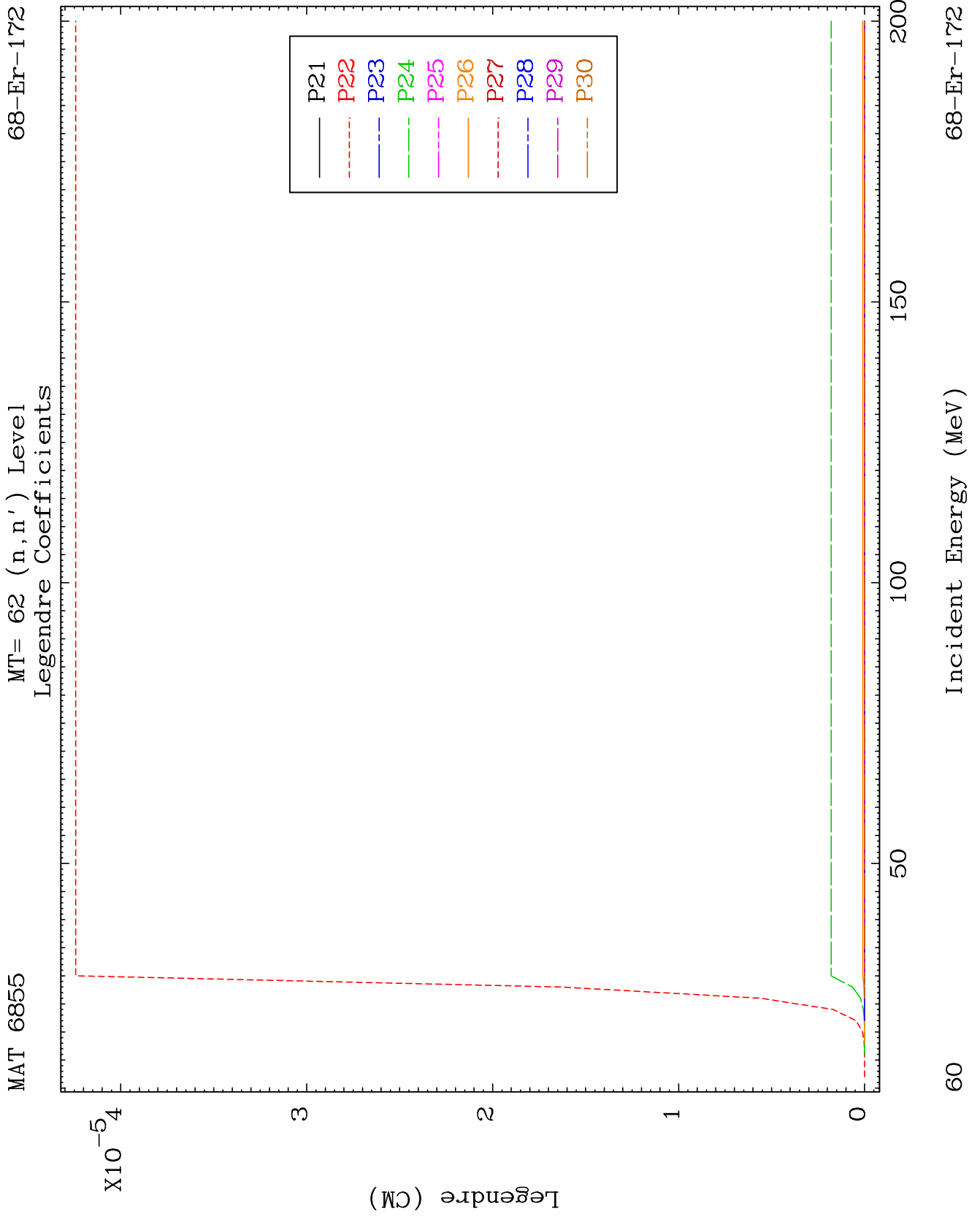


68-Er-172

Incident Energy (MeV)

58

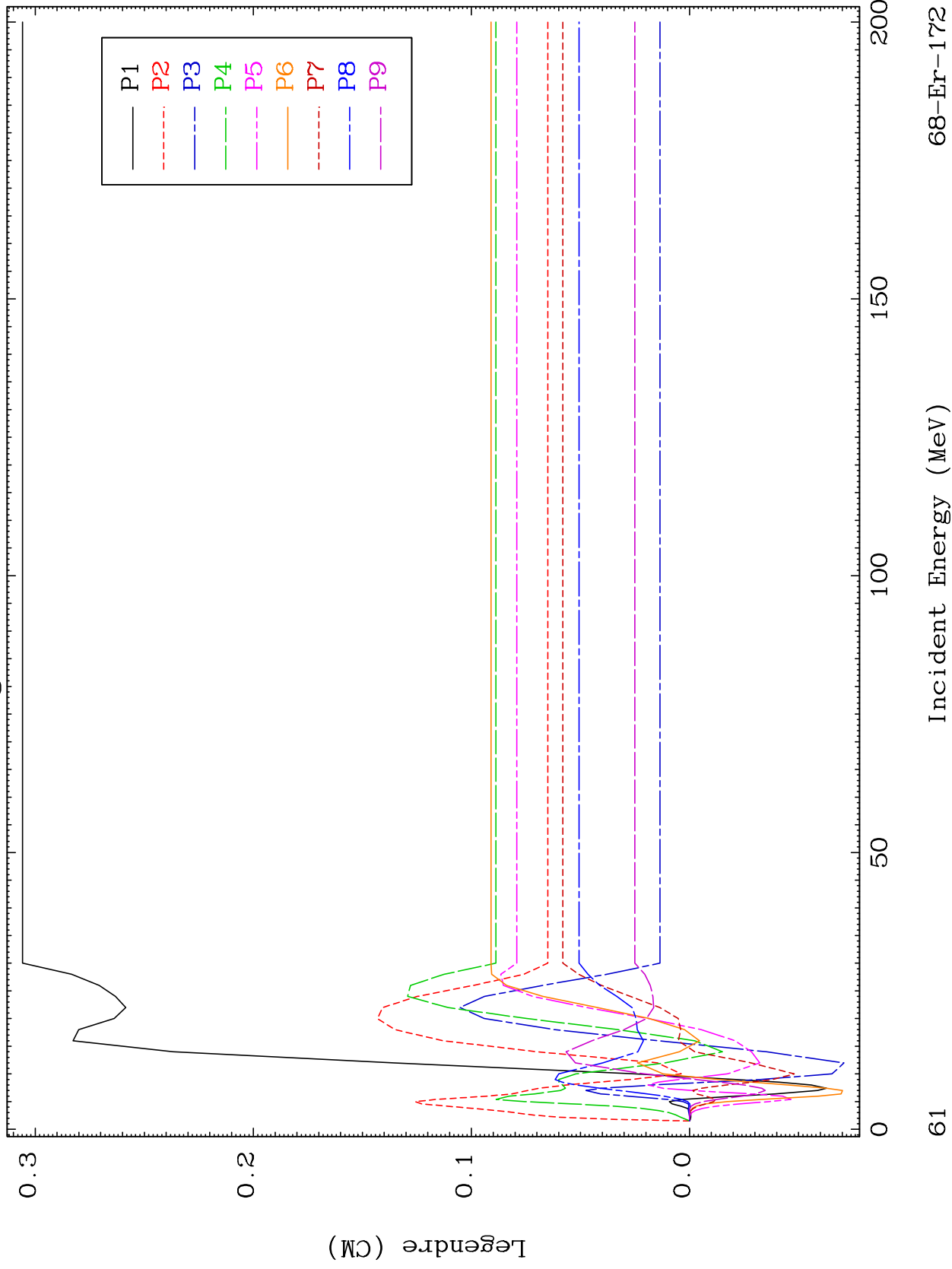




MAT 6855

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

68-Er-172



68-Er-172

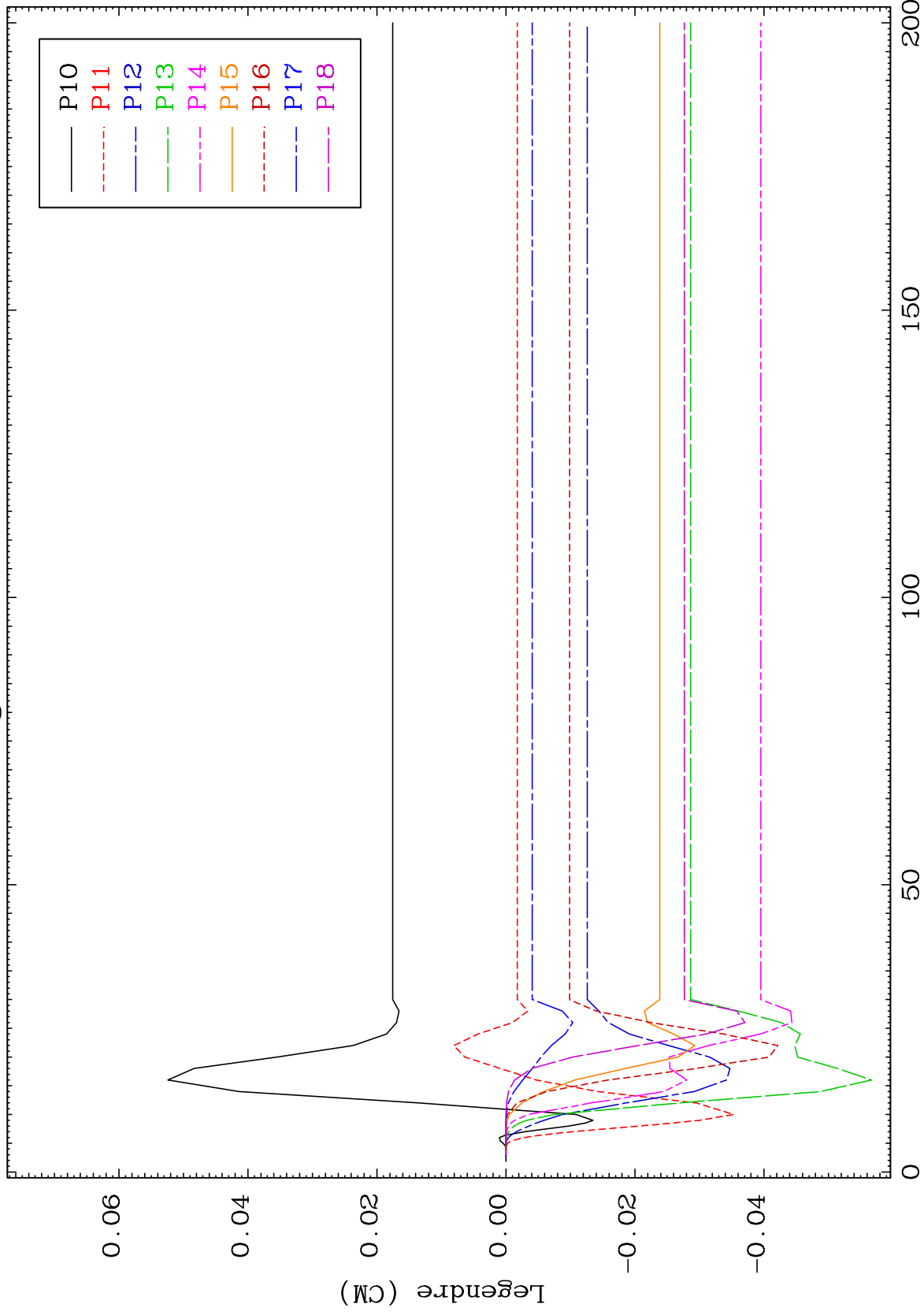
Incident Energy (MeV)

61

MAT 6855

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

68-Er-172



62

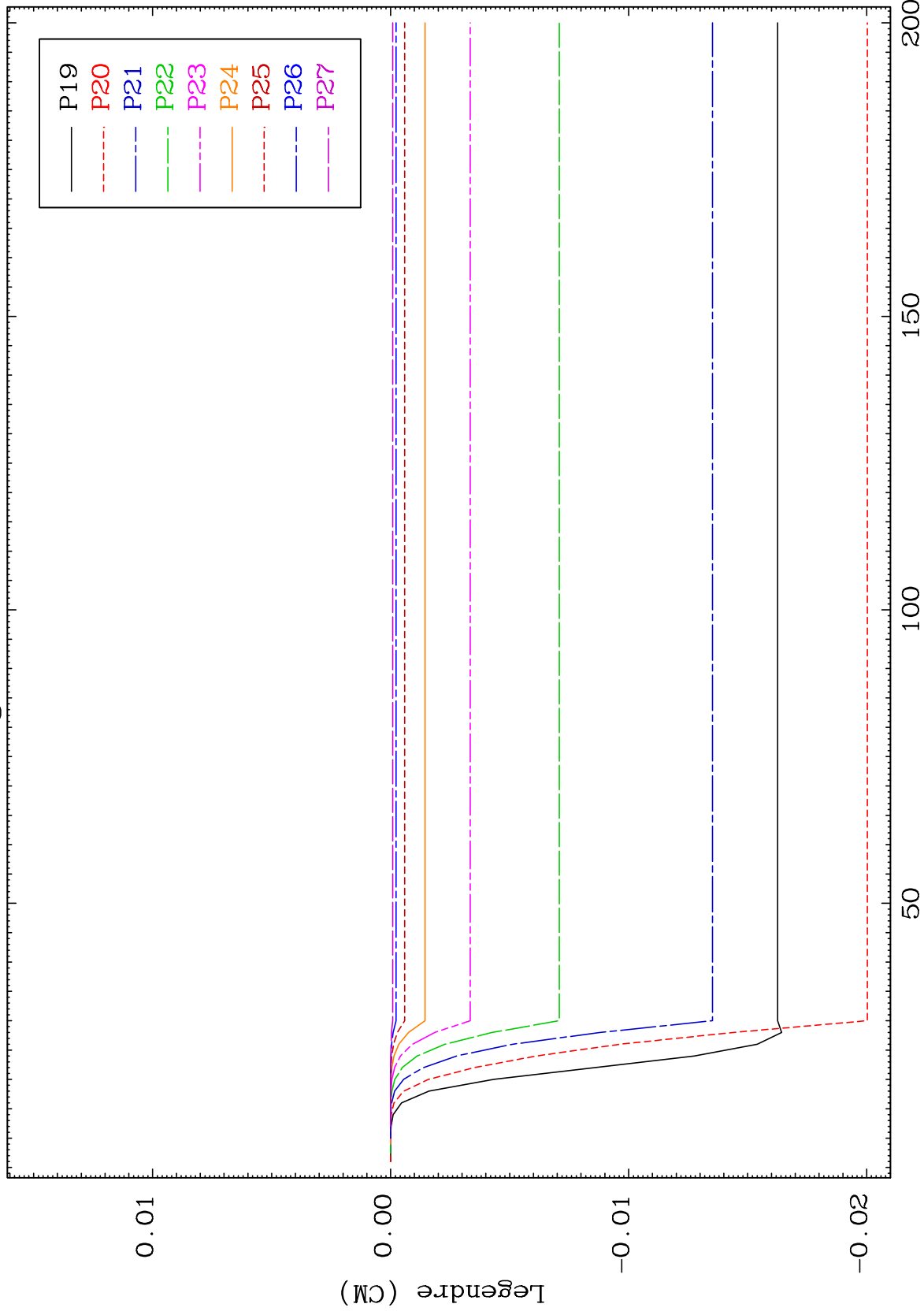
Incident Energy (MeV)

68-Er-172

MAT 6855

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

68-Er-172



63

Incident Energy (MeV)

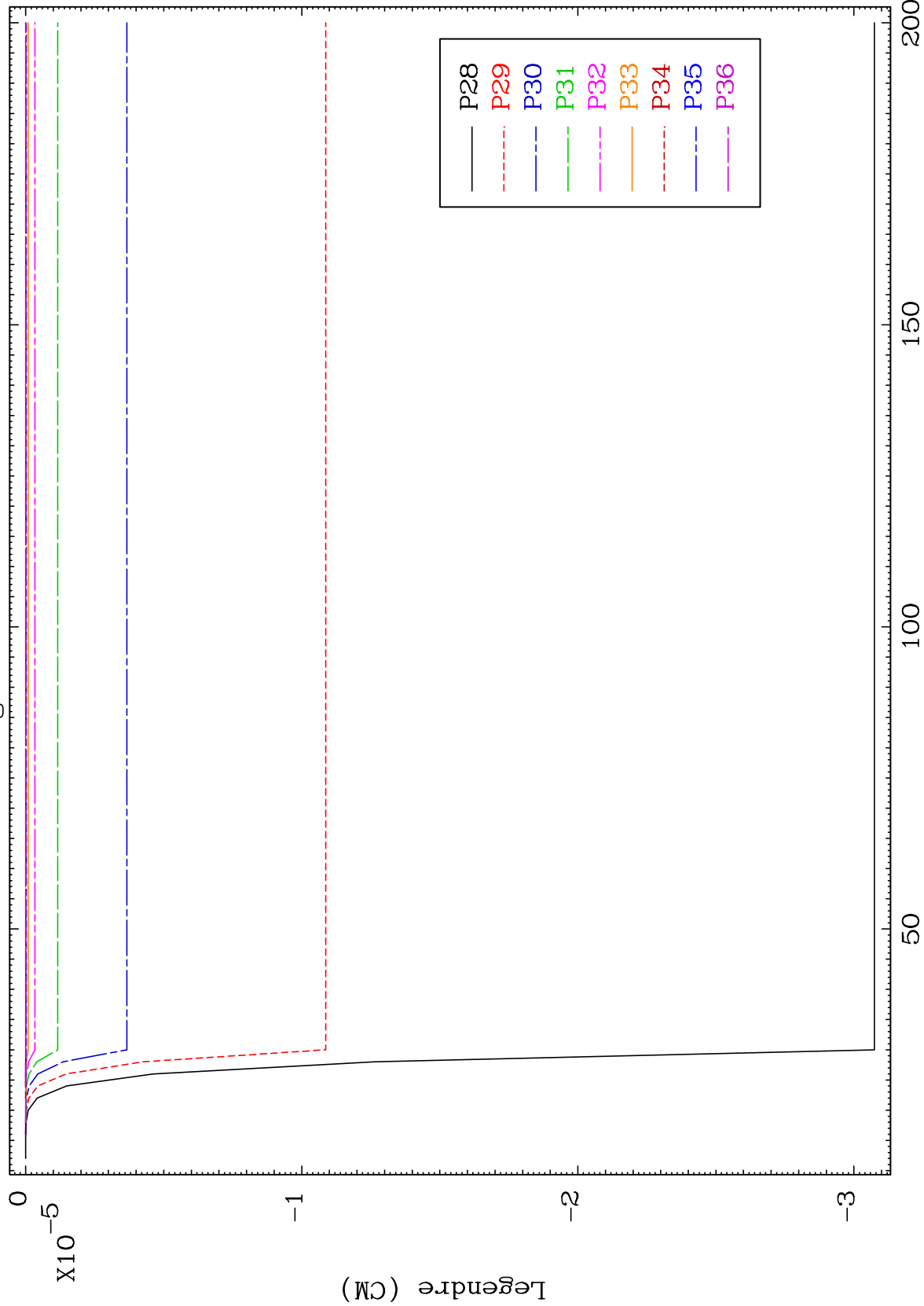
68-Er-172

MAT 6855

MT= 63 (n,n') Level

68-Er-172

Legendre Coefficients



68-Er-172

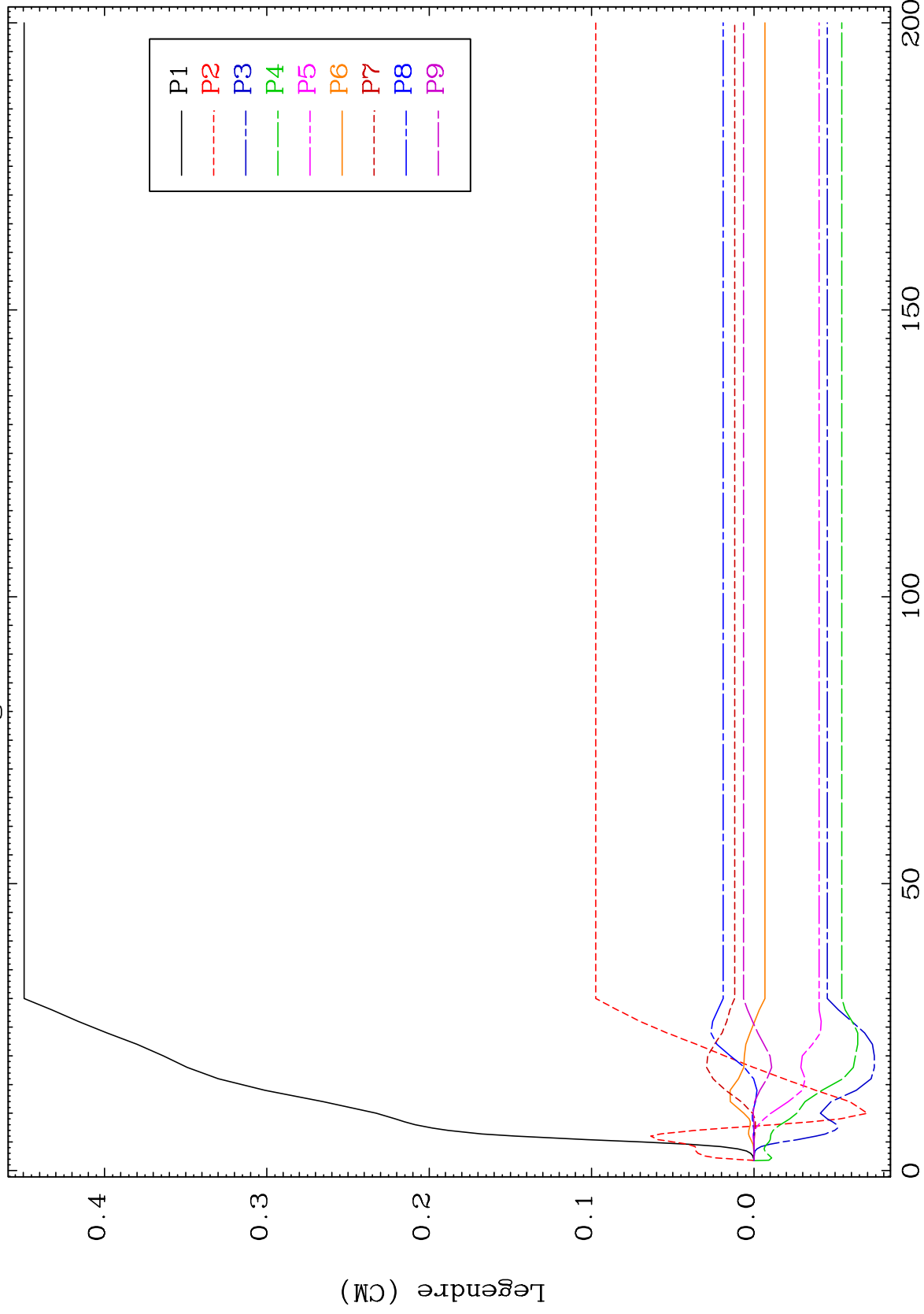
Incident Energy (MeV)

64

MAT 6855

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

68-Er-172



68-Er-172

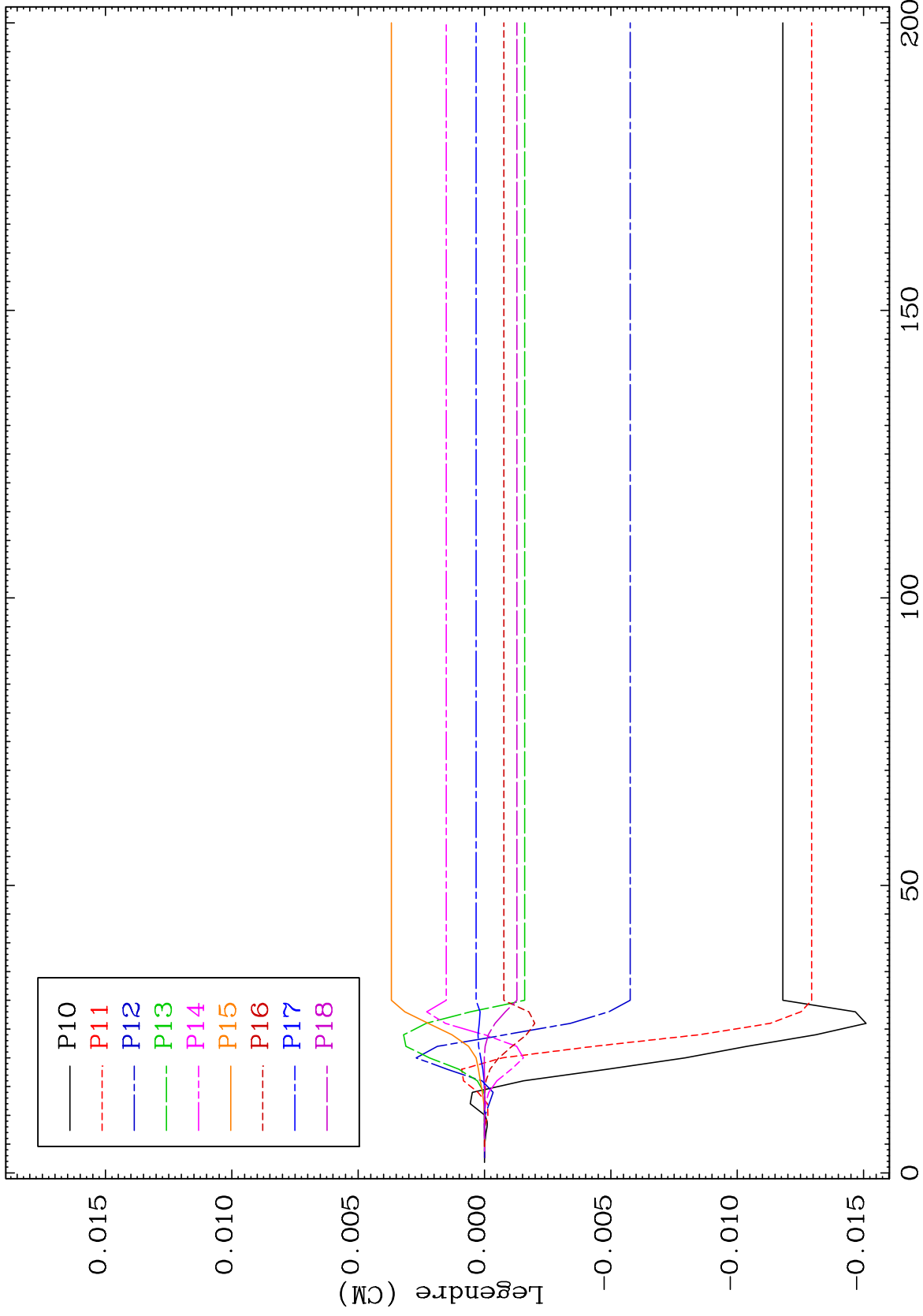
Incident Energy (MeV)

65

MAT 6855

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

68-Er-172



66

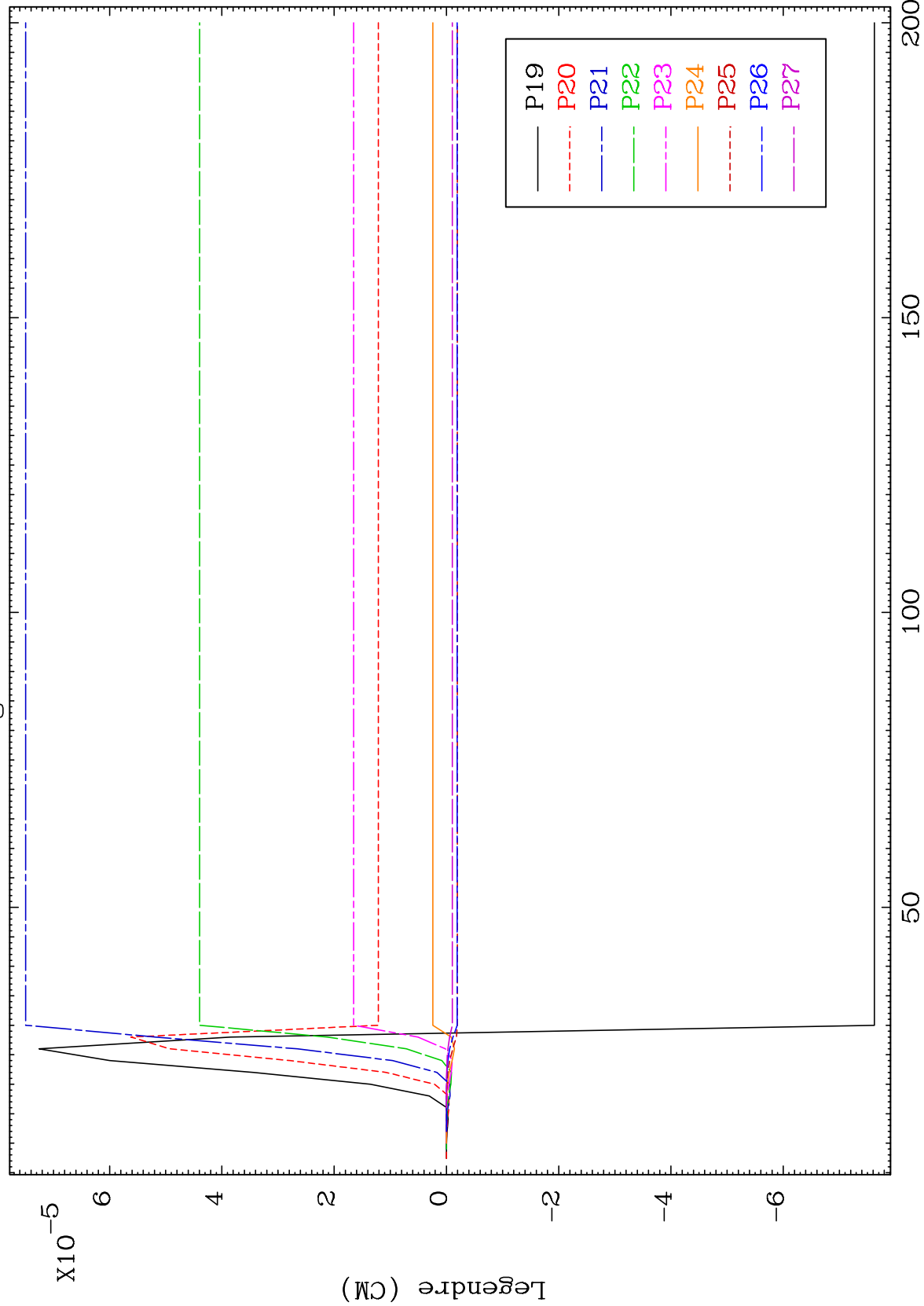
Incident Energy (MeV)

68-Er-172

MAT 6855

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

68-Er-172



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Incident Energy (MeV)

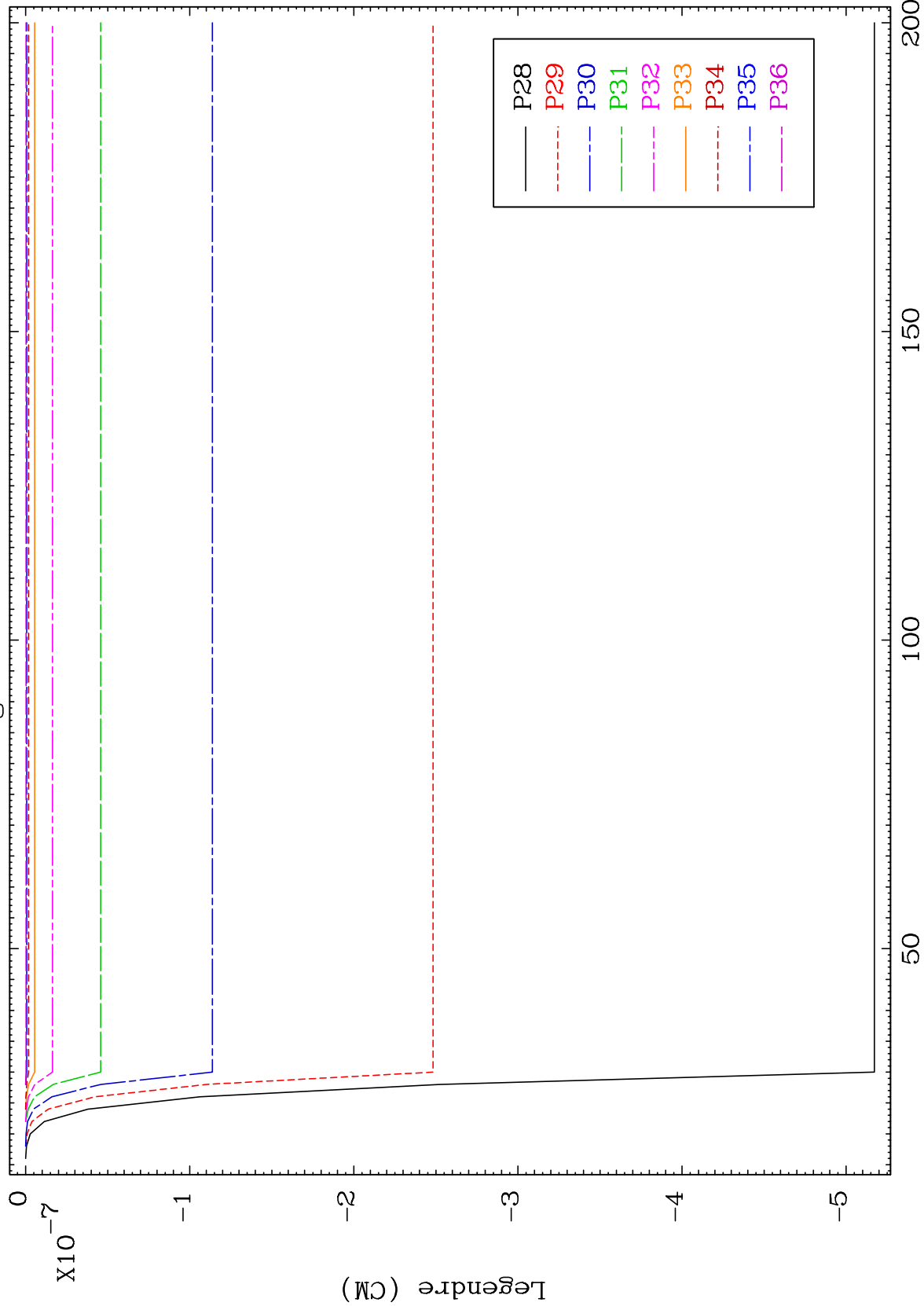
68-Er-172

MAT 6855

MT= 64 (n,n') Level

68-Er-172

Legendre Coefficients



68

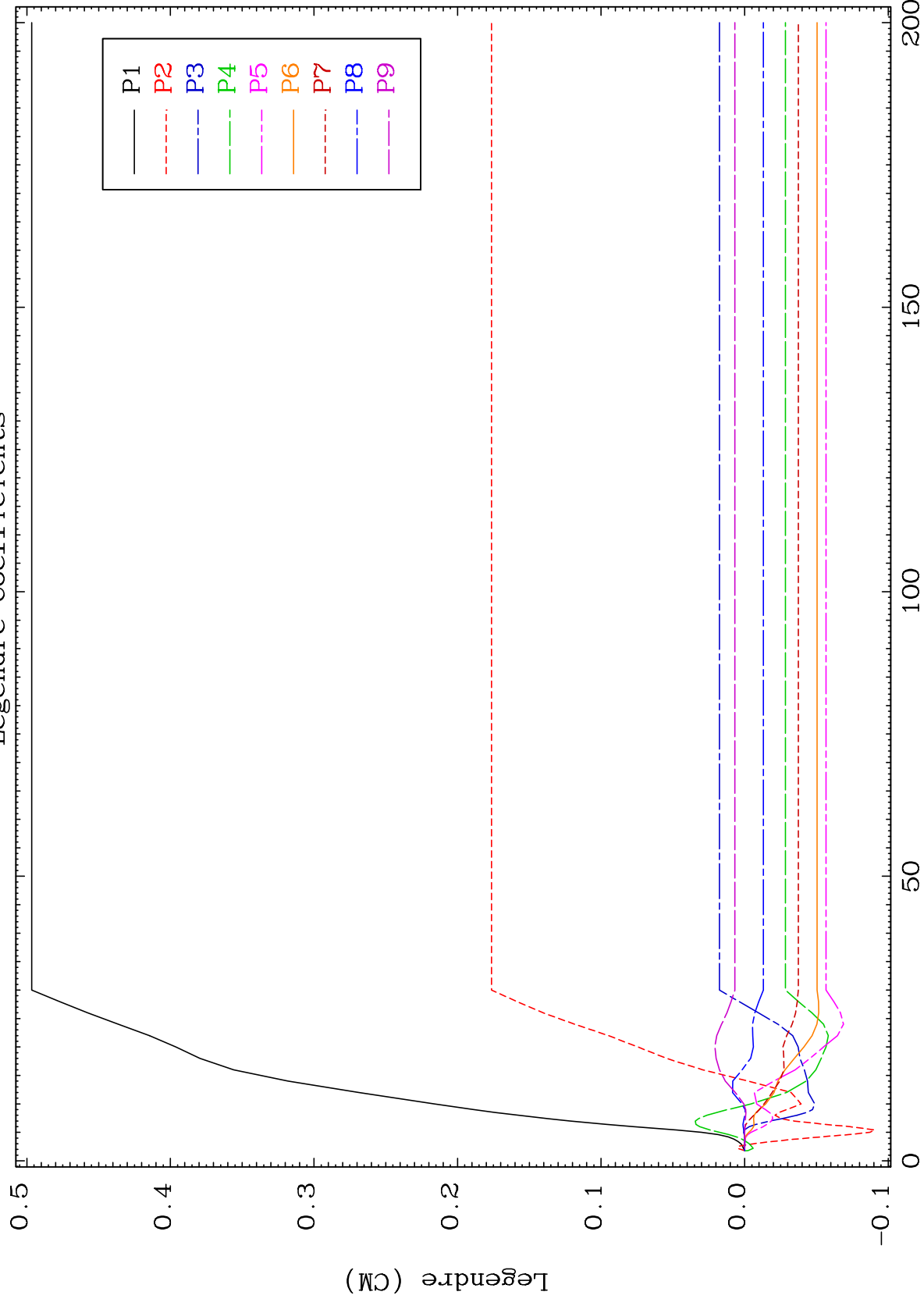
Incident Energy (MeV)

68-Er-172

MAT 6855

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

68-Er-172



69

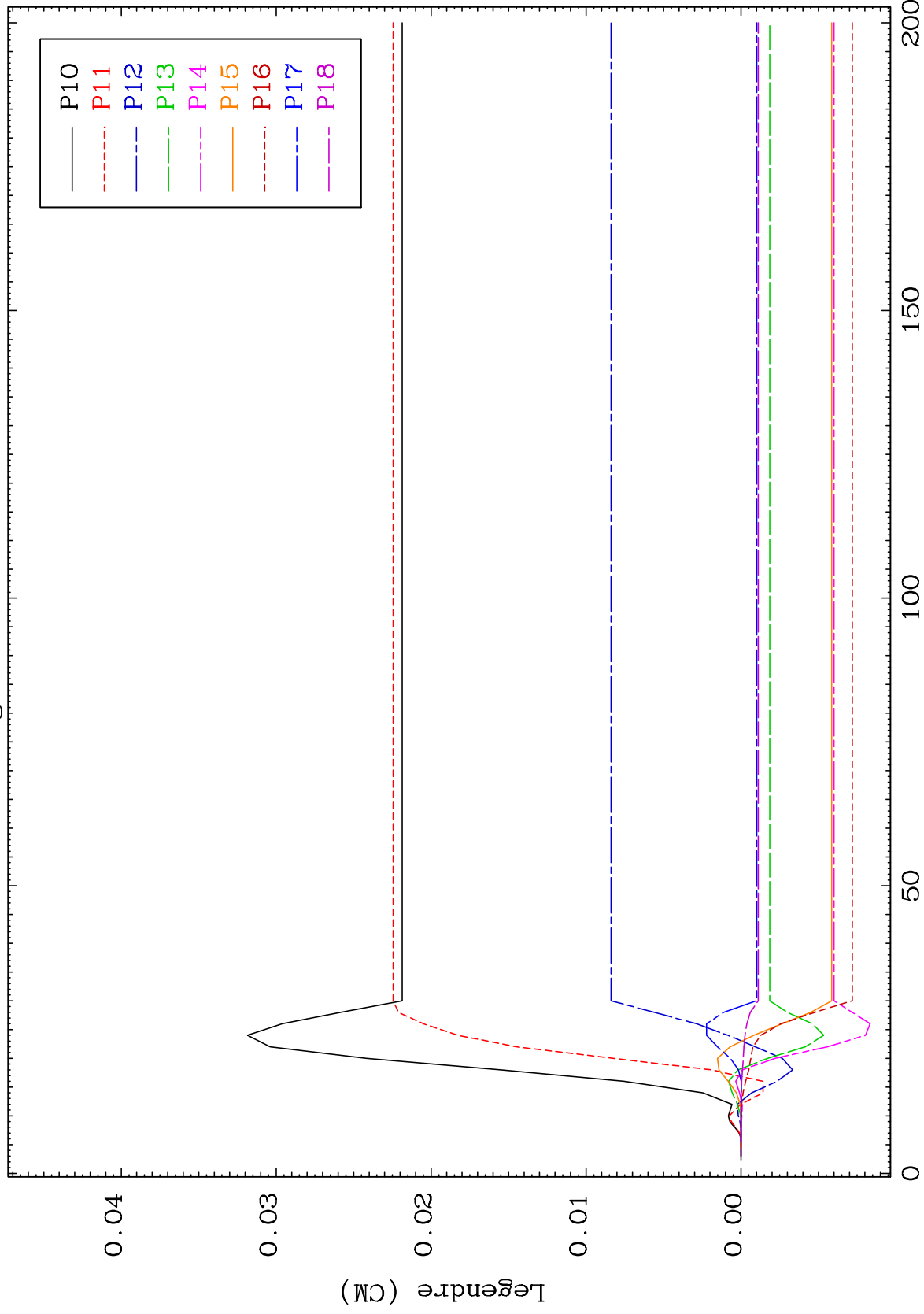
Incident Energy (MeV)

68-Er-172

MAT 6855

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

68-Er-172



70

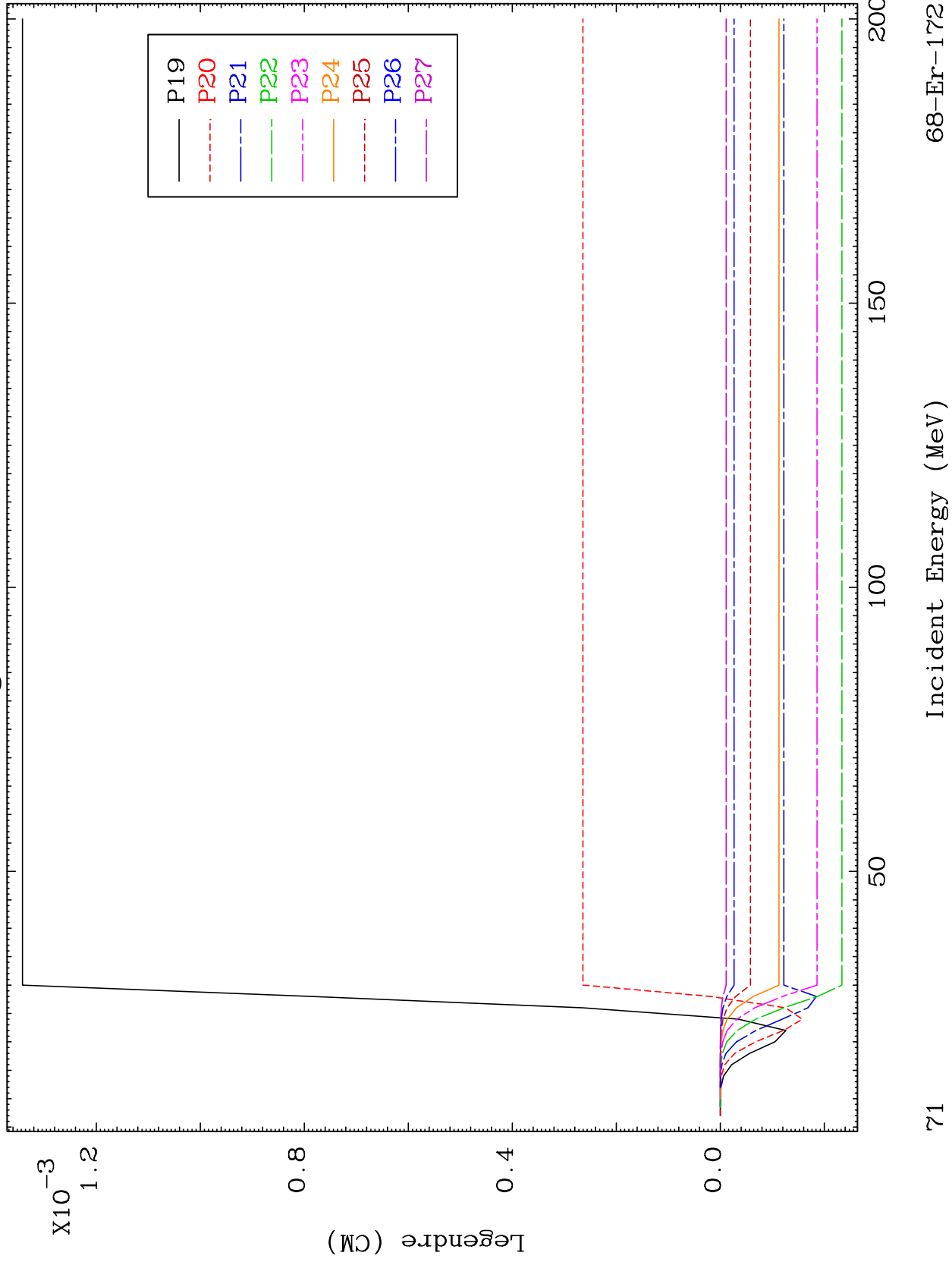
Incident Energy (MeV)

68-Er-172

MAT 6855

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

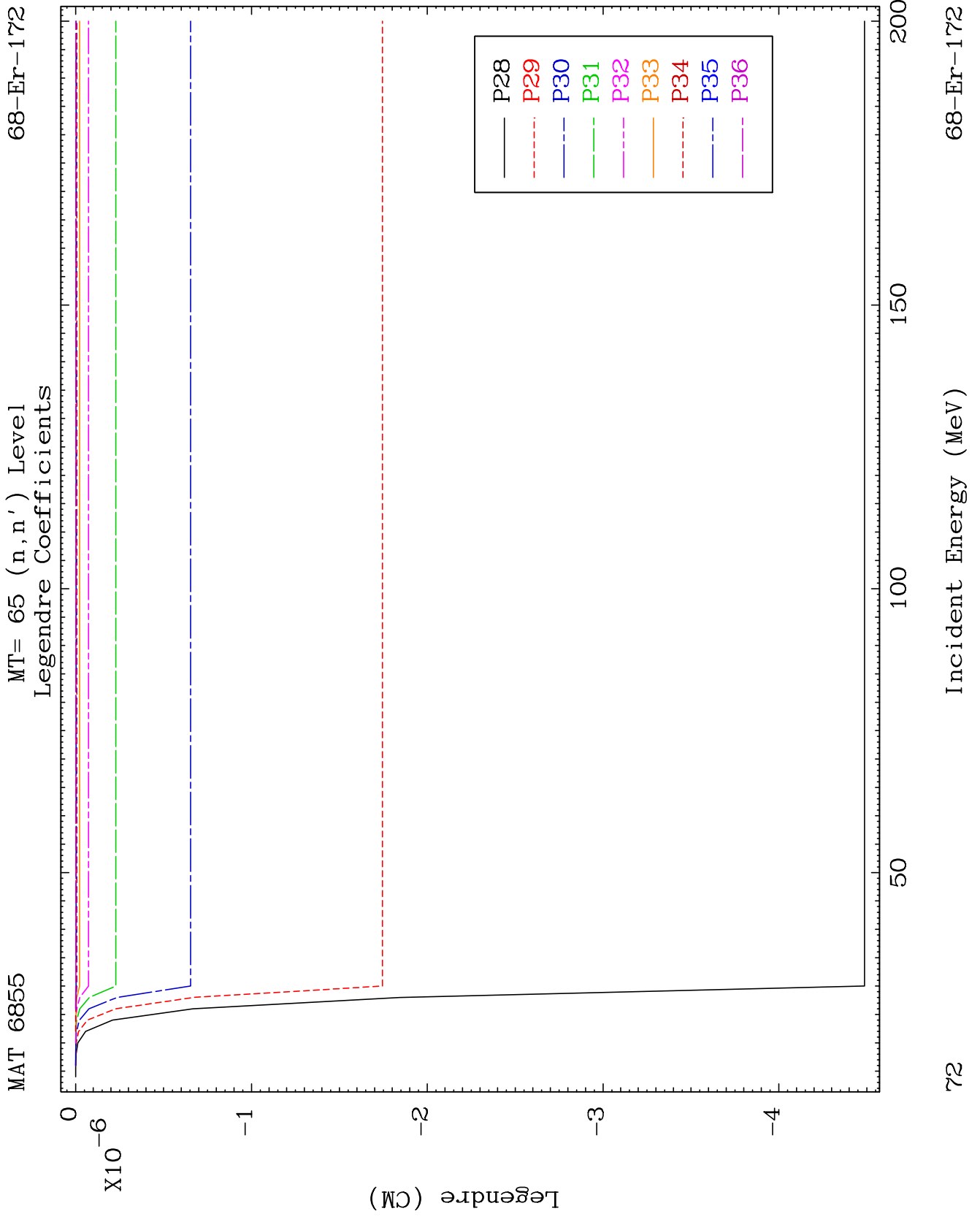
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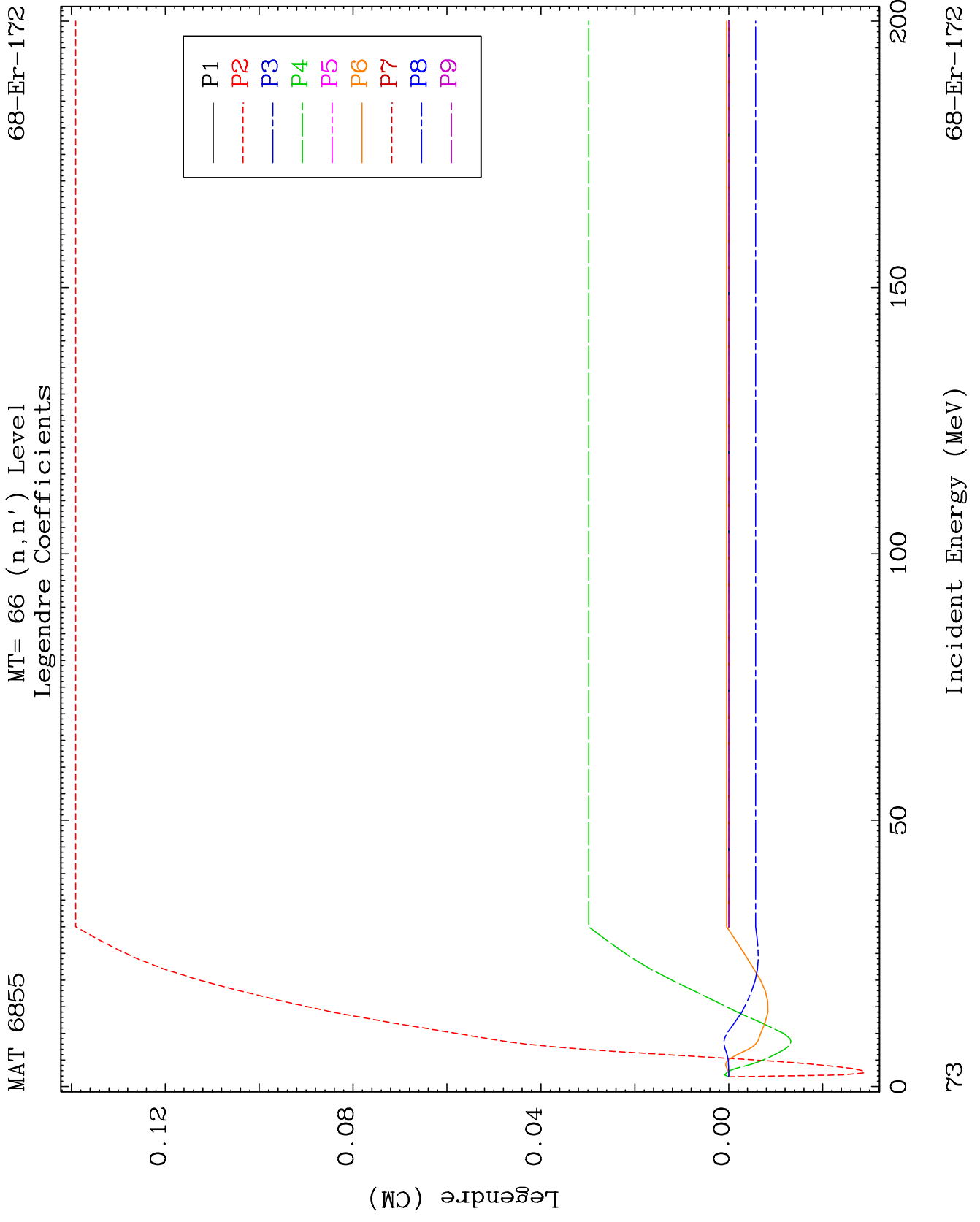


71

Incident Energy (MeV)

68-Er-172

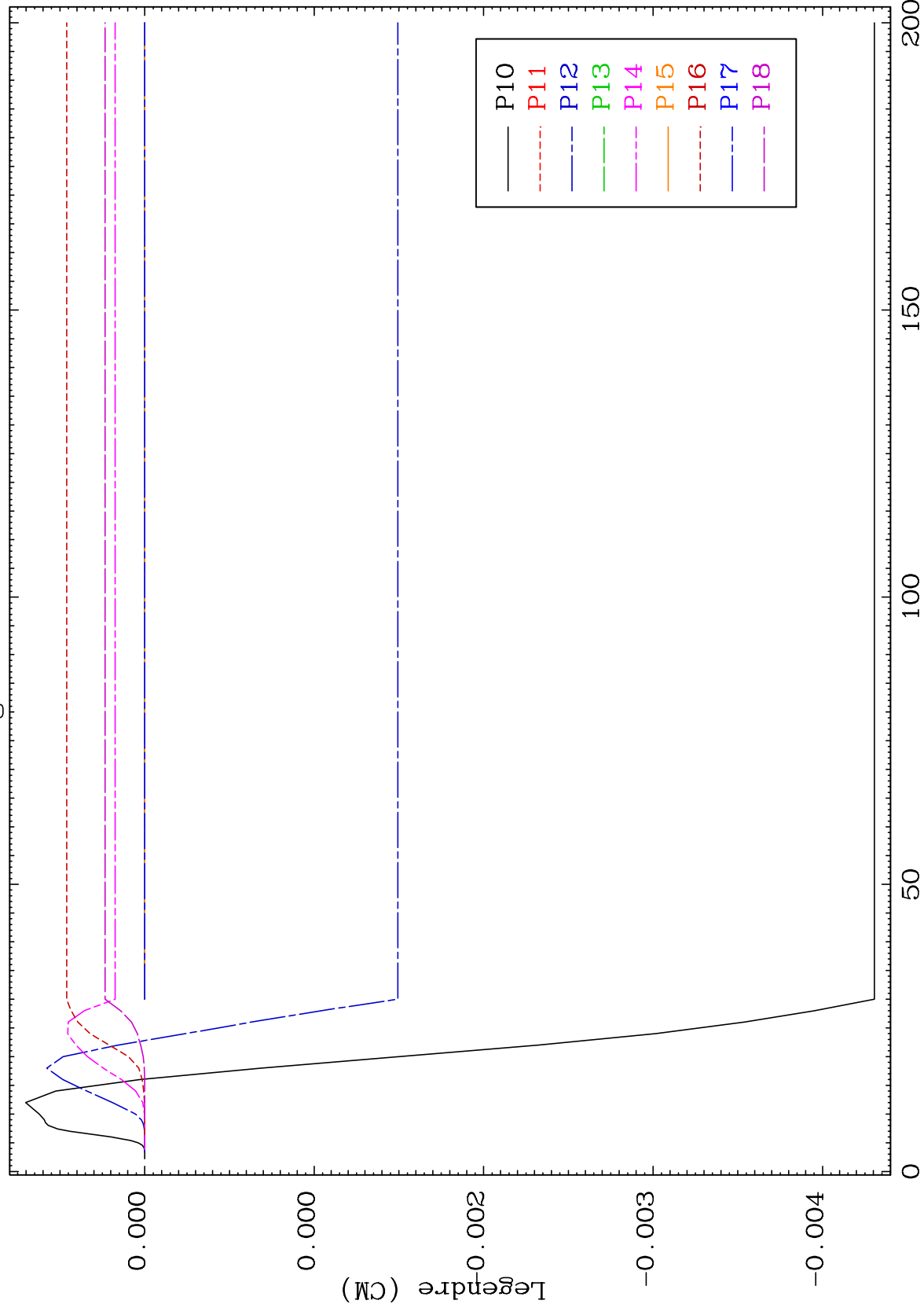




MAT 6855

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

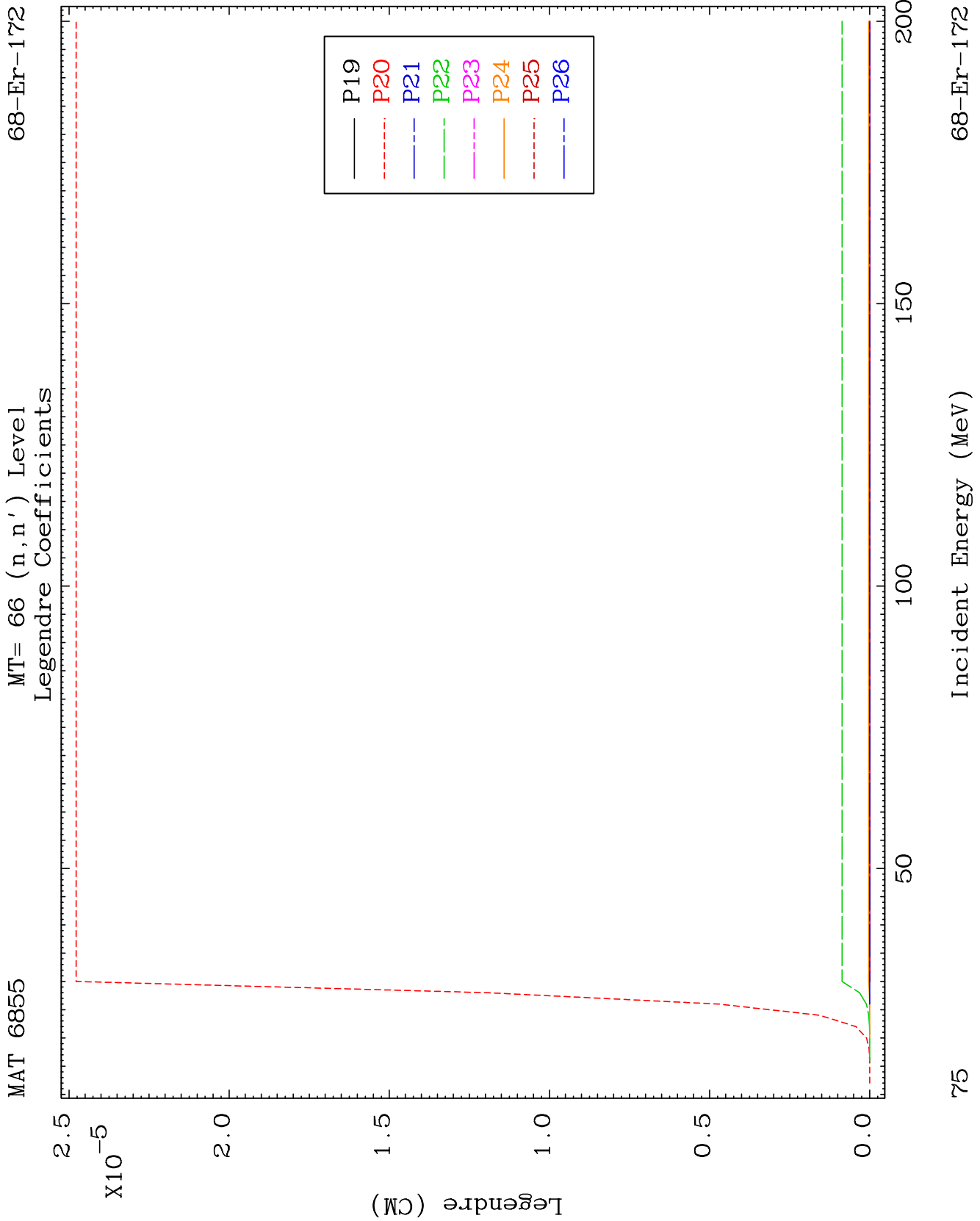
68-Er-172

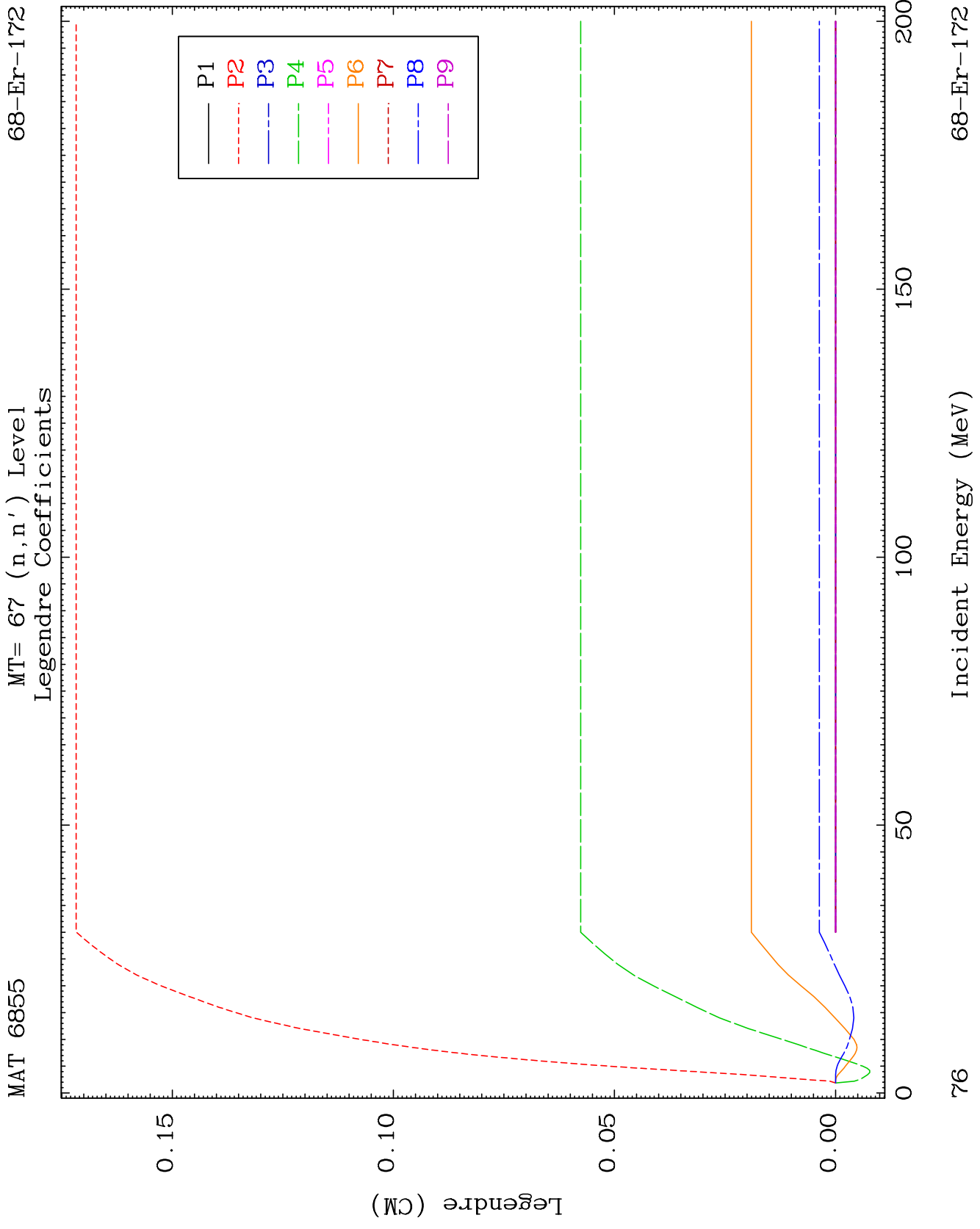


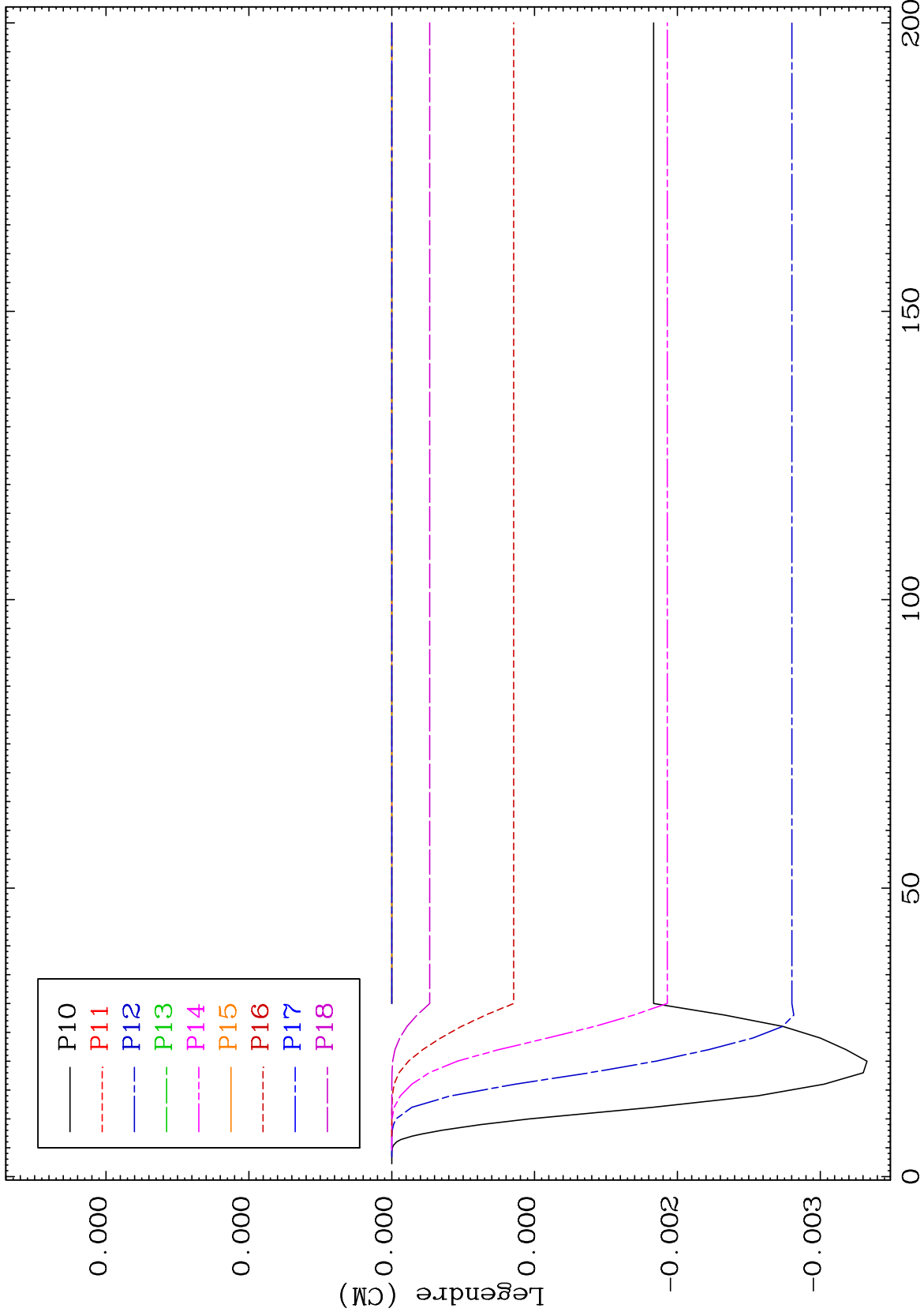
74

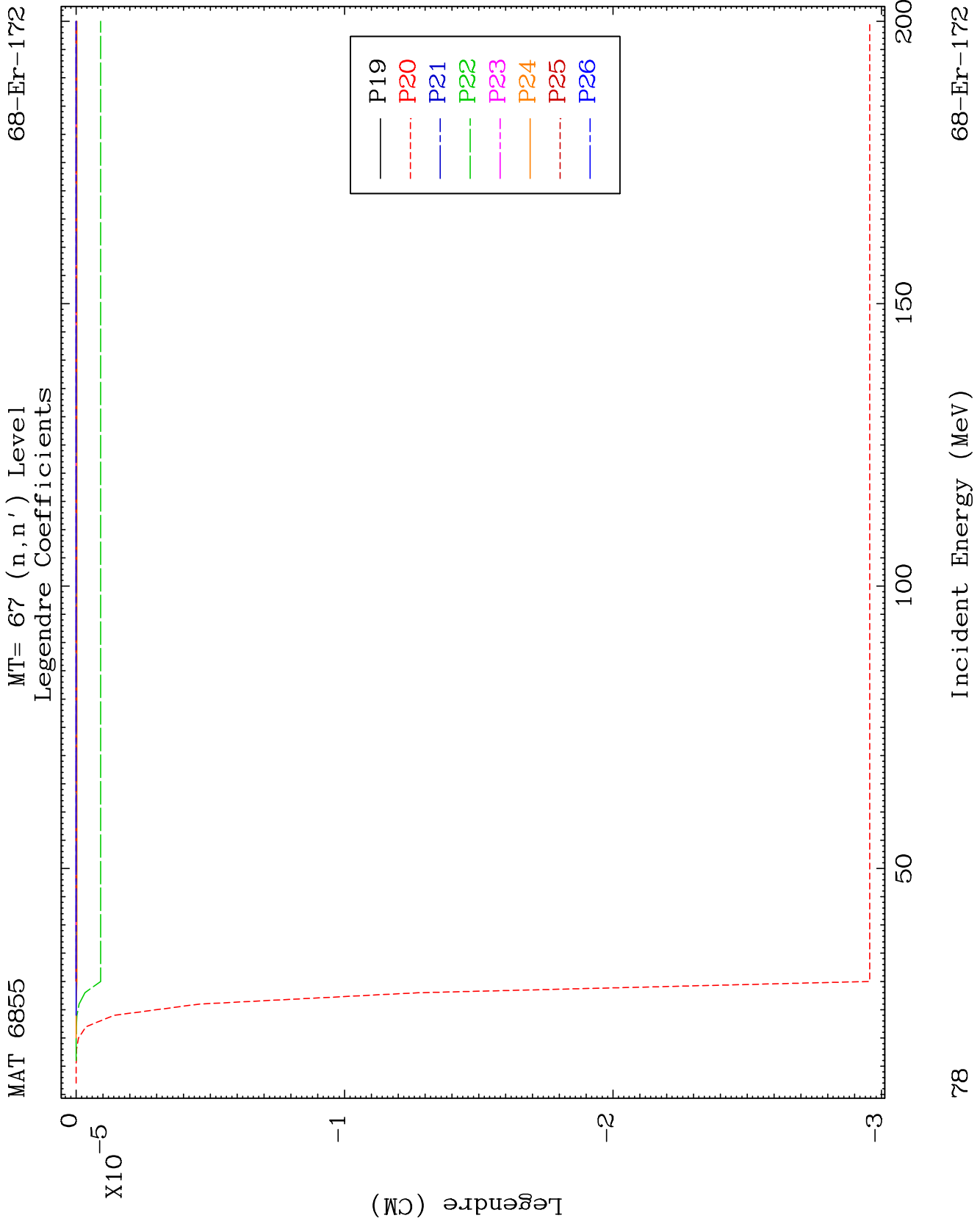
Incident Energy (MeV)

68-Er-172





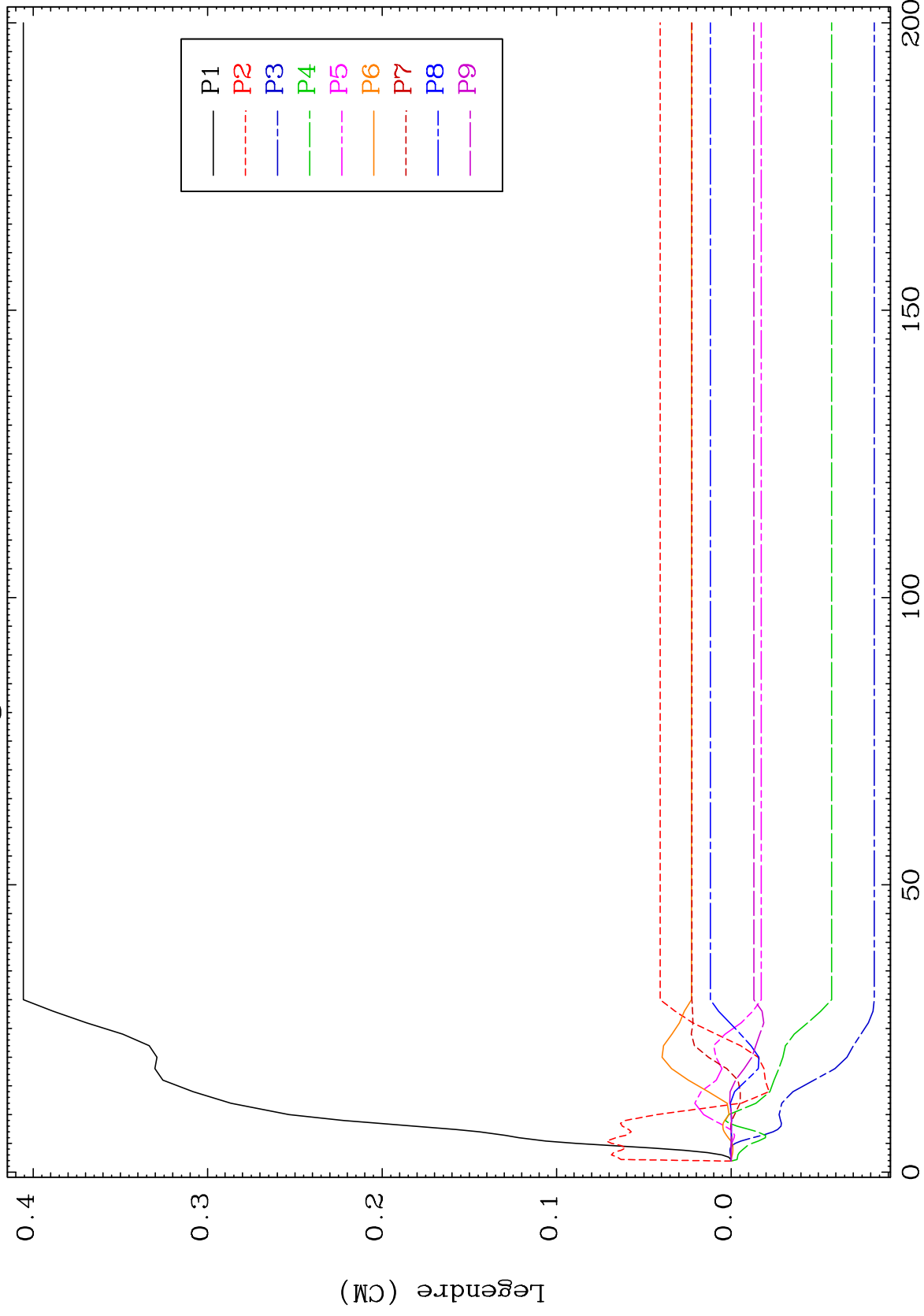




MAT 6855

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

68-Er-172



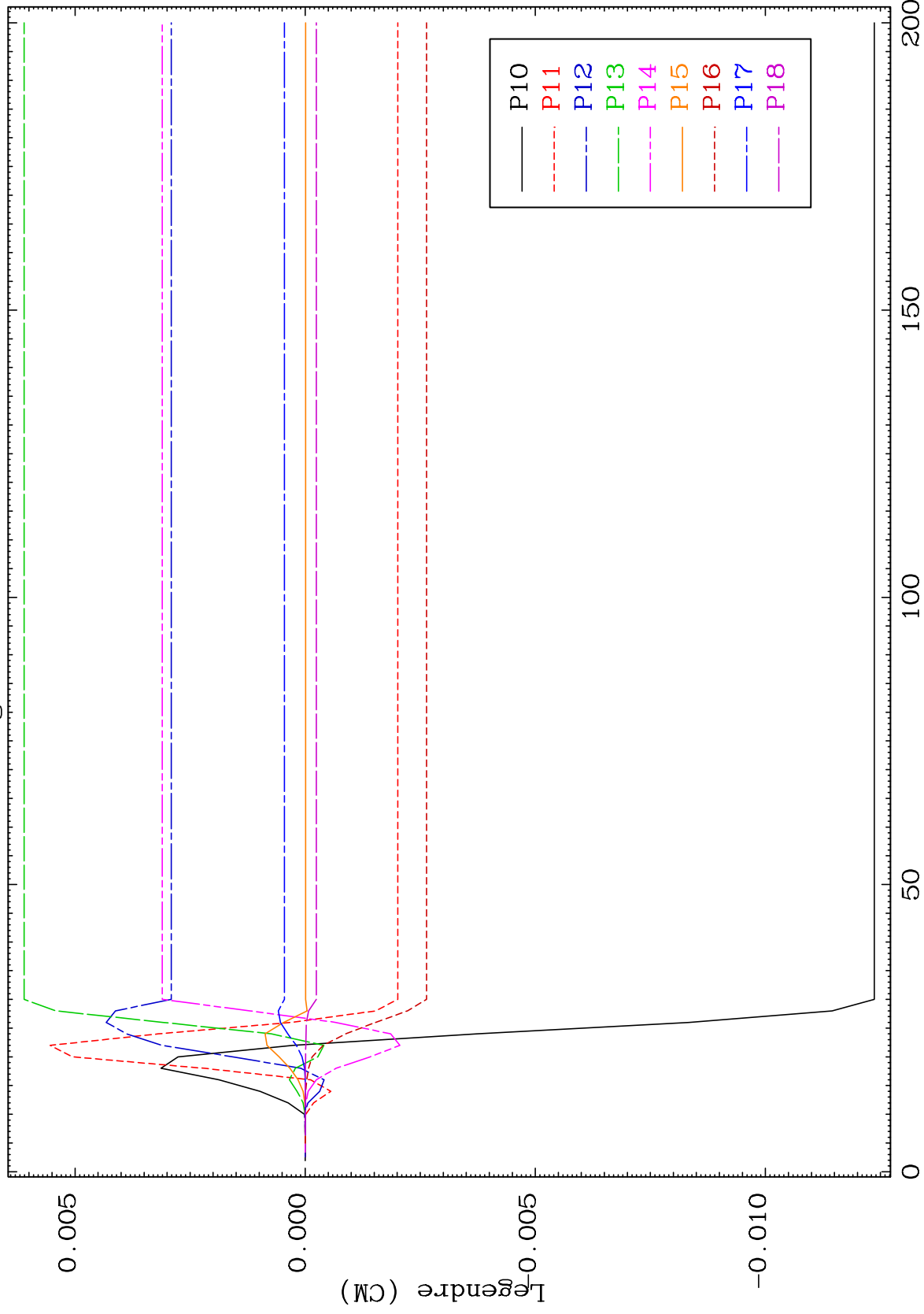
79

68-Er-172

MAT 6855

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

68-Er-172



80

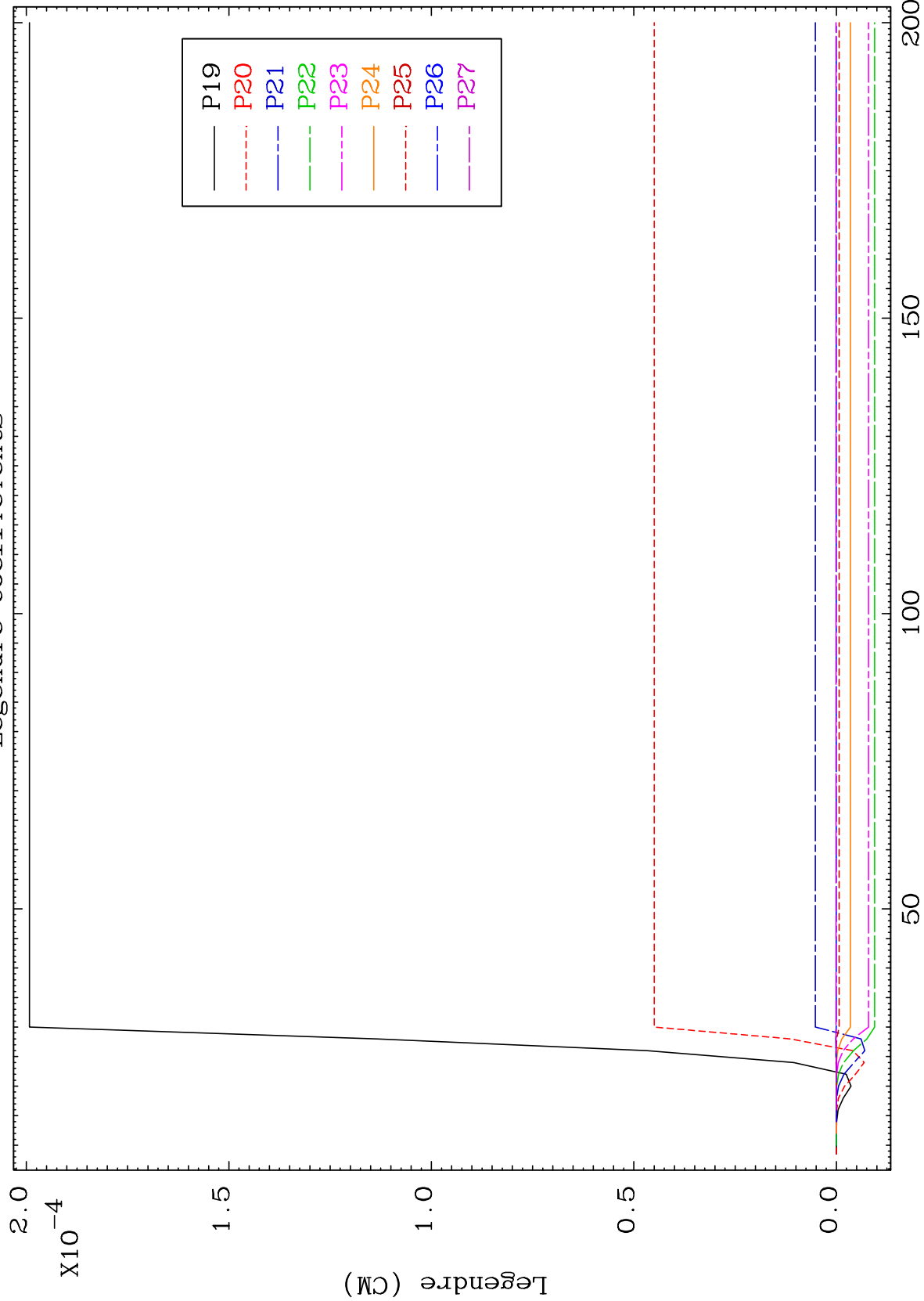
Incident Energy (MeV)

68-Er-172

MAT 6855

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

68-Er-172



81

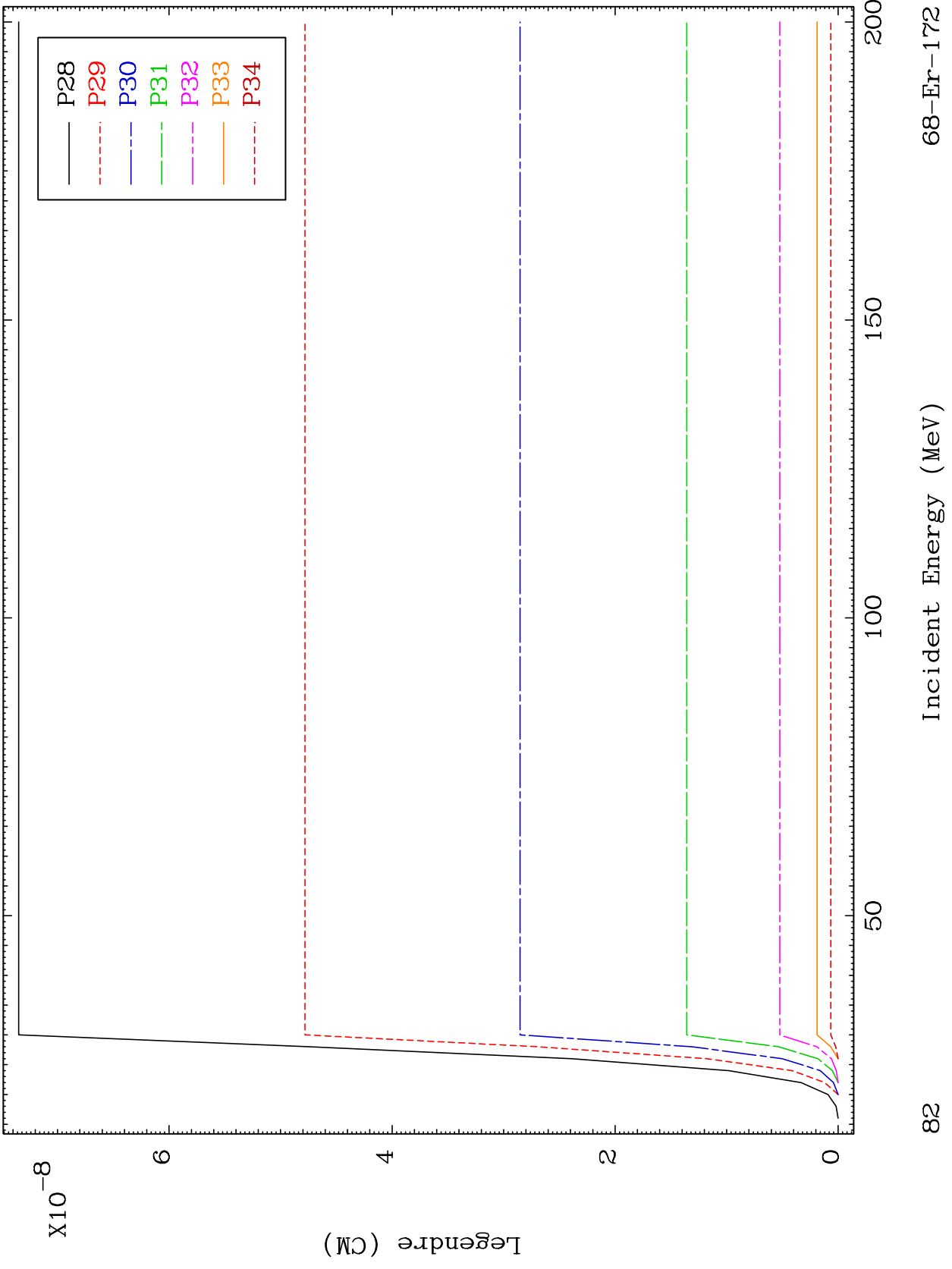
Incident Energy (MeV)

68-Er-172

MAT 6855

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

68-Er-172



82

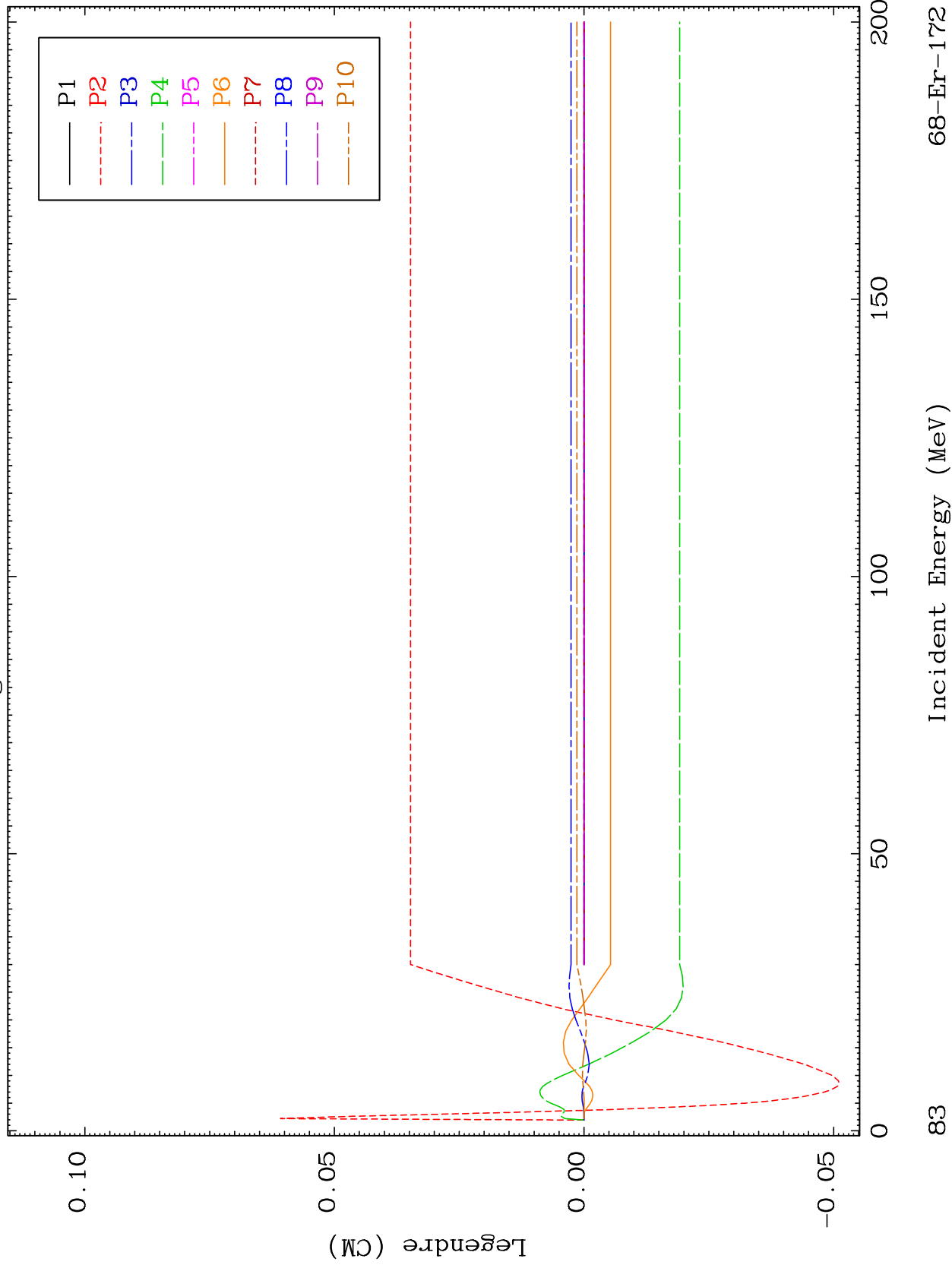
Incident Energy (MeV)

68-Er-172

MAT 6855

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

68-Er-172



68-Er-172

Incident Energy (MeV)

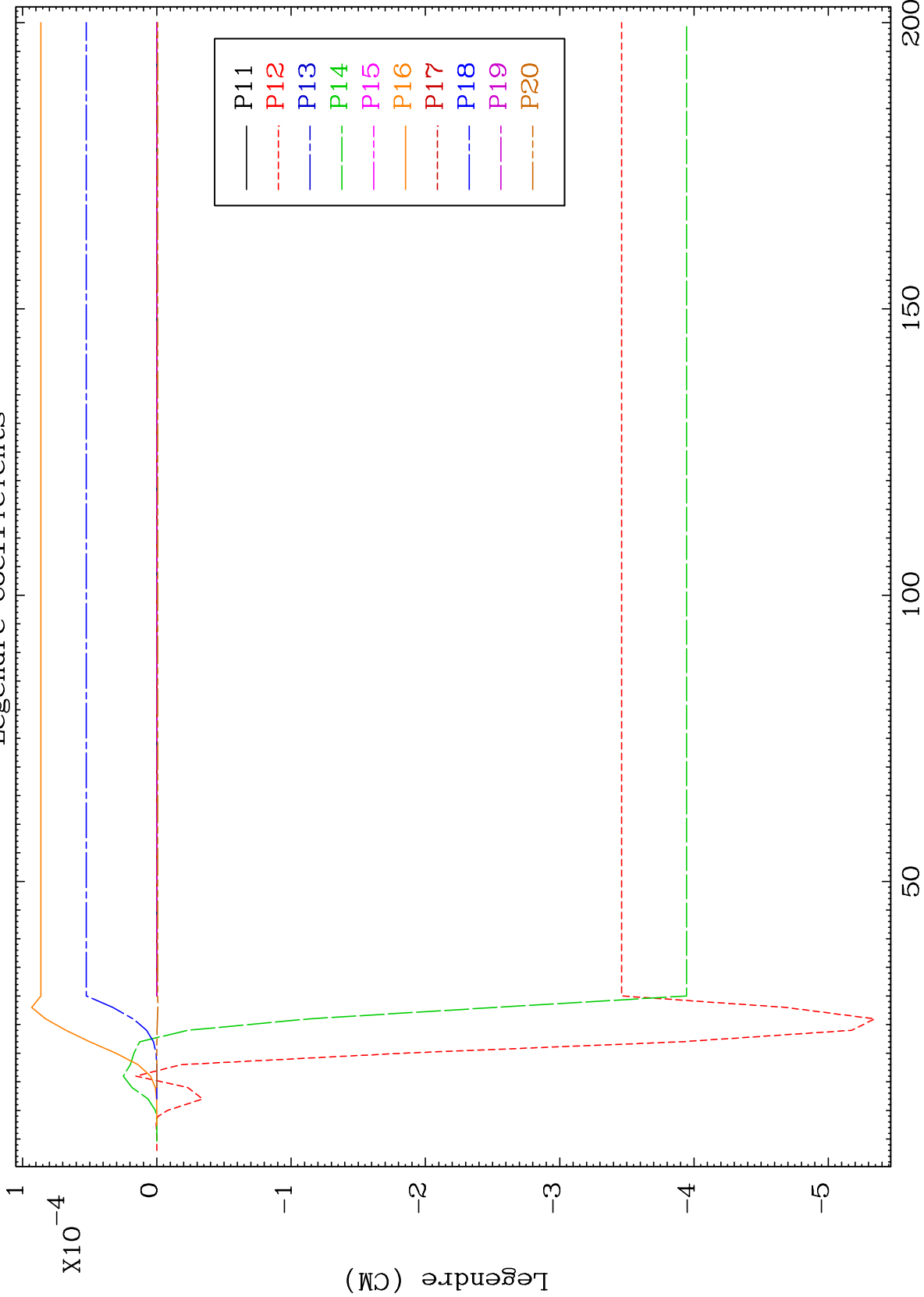
83

MAT 6855

MT= 69 (n,n') Level

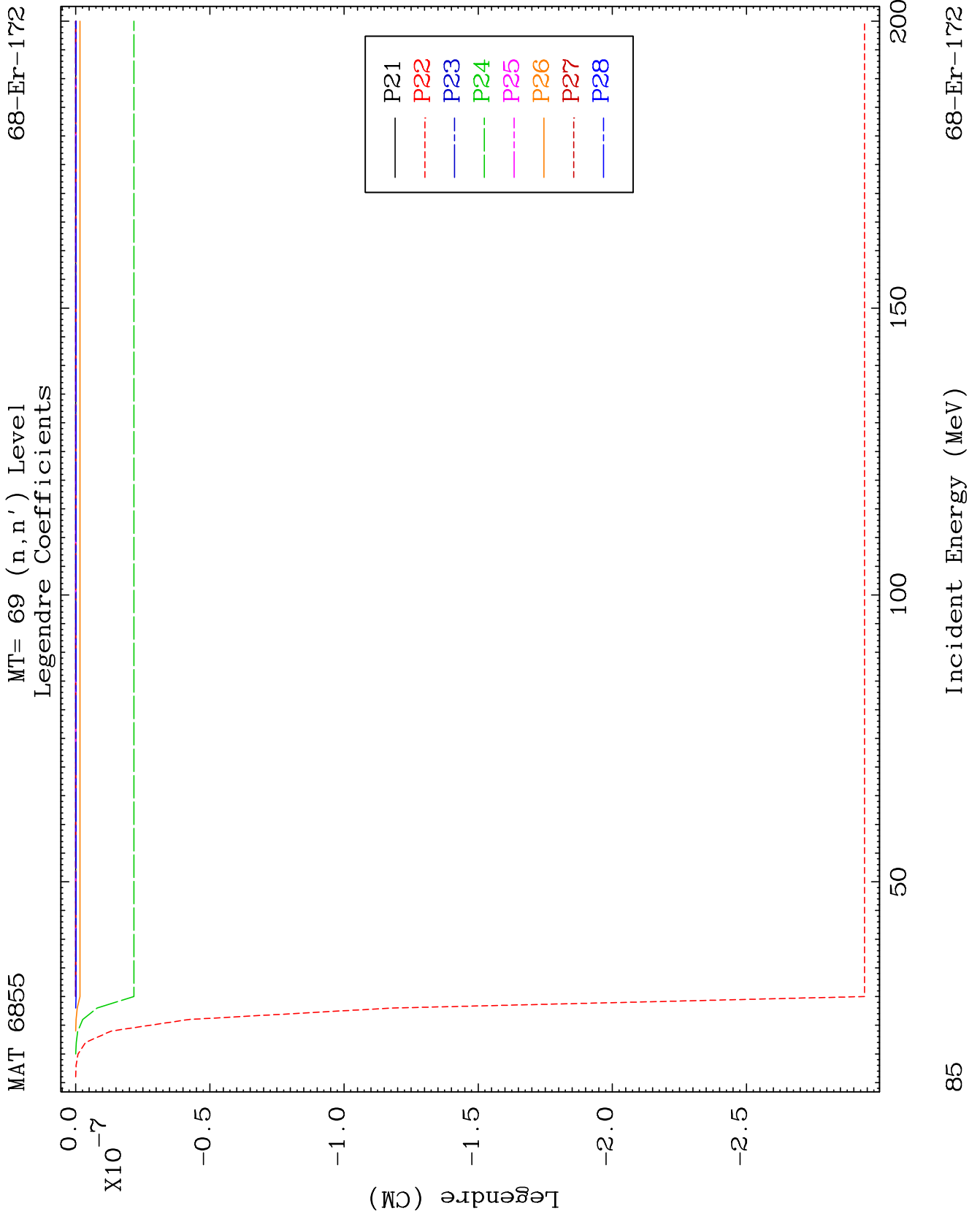
68-Er-172

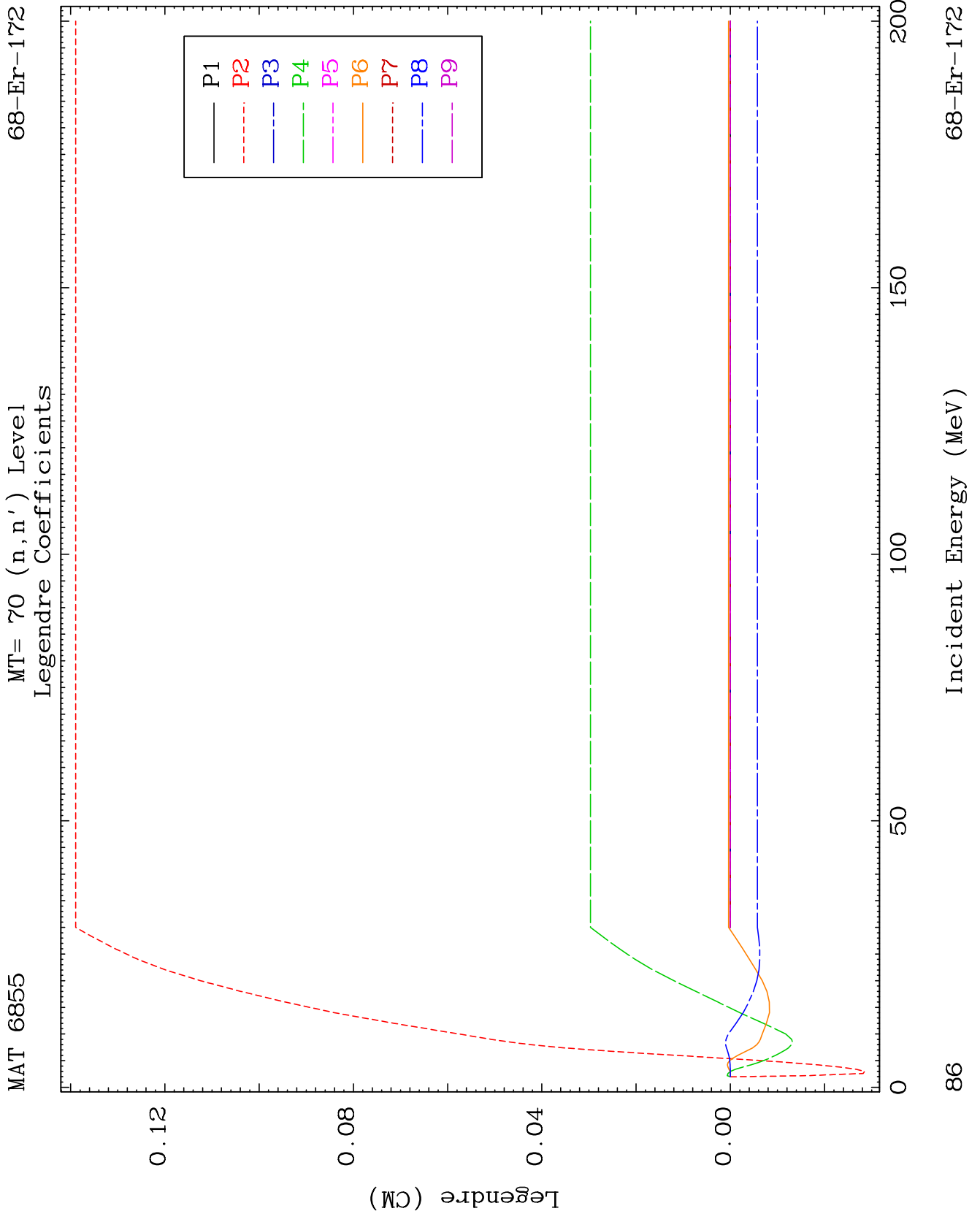
Legendre Coefficients



84

68-Er-172

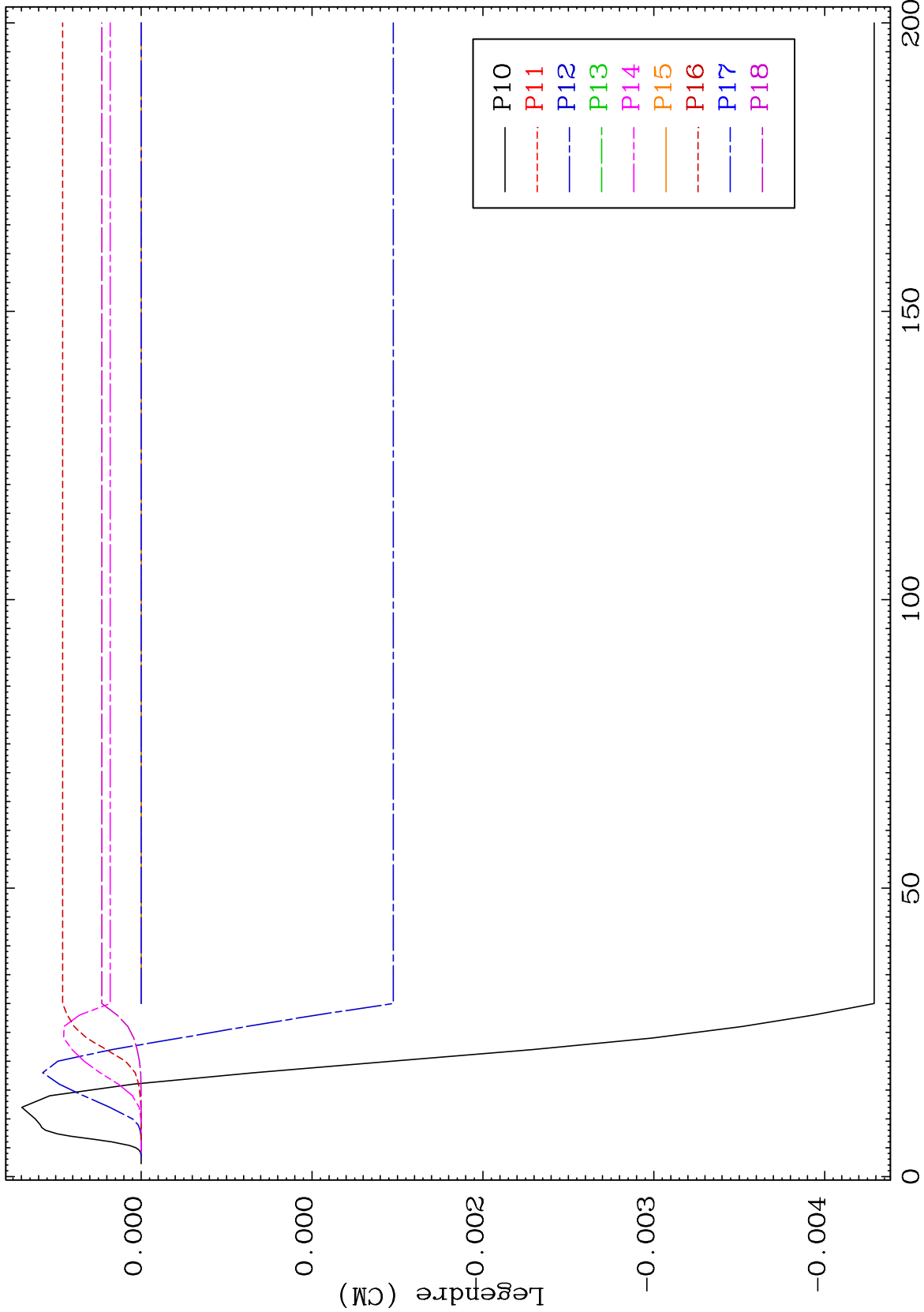




MAT 6855

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

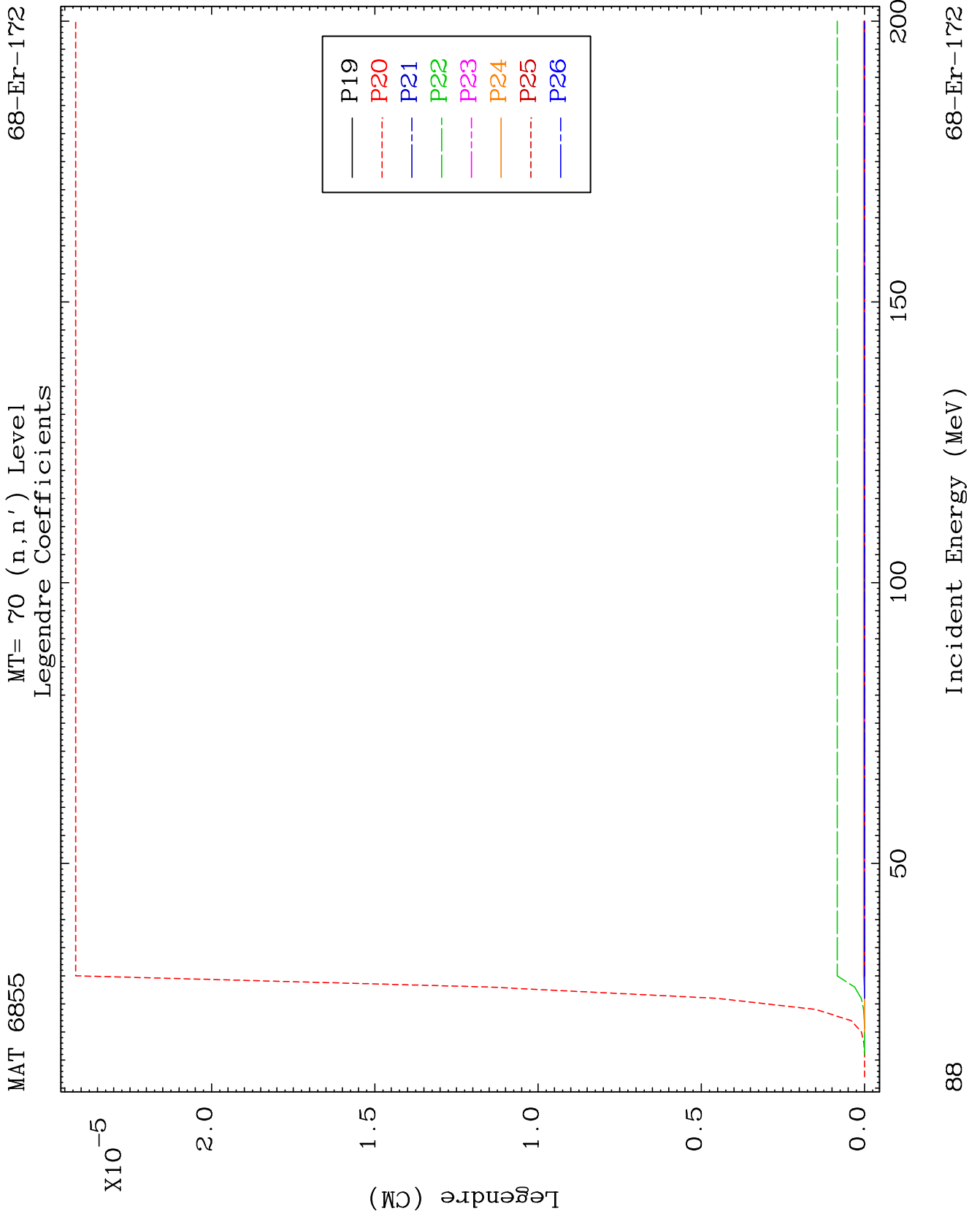
68-Er-172



87

Incident Energy (MeV)

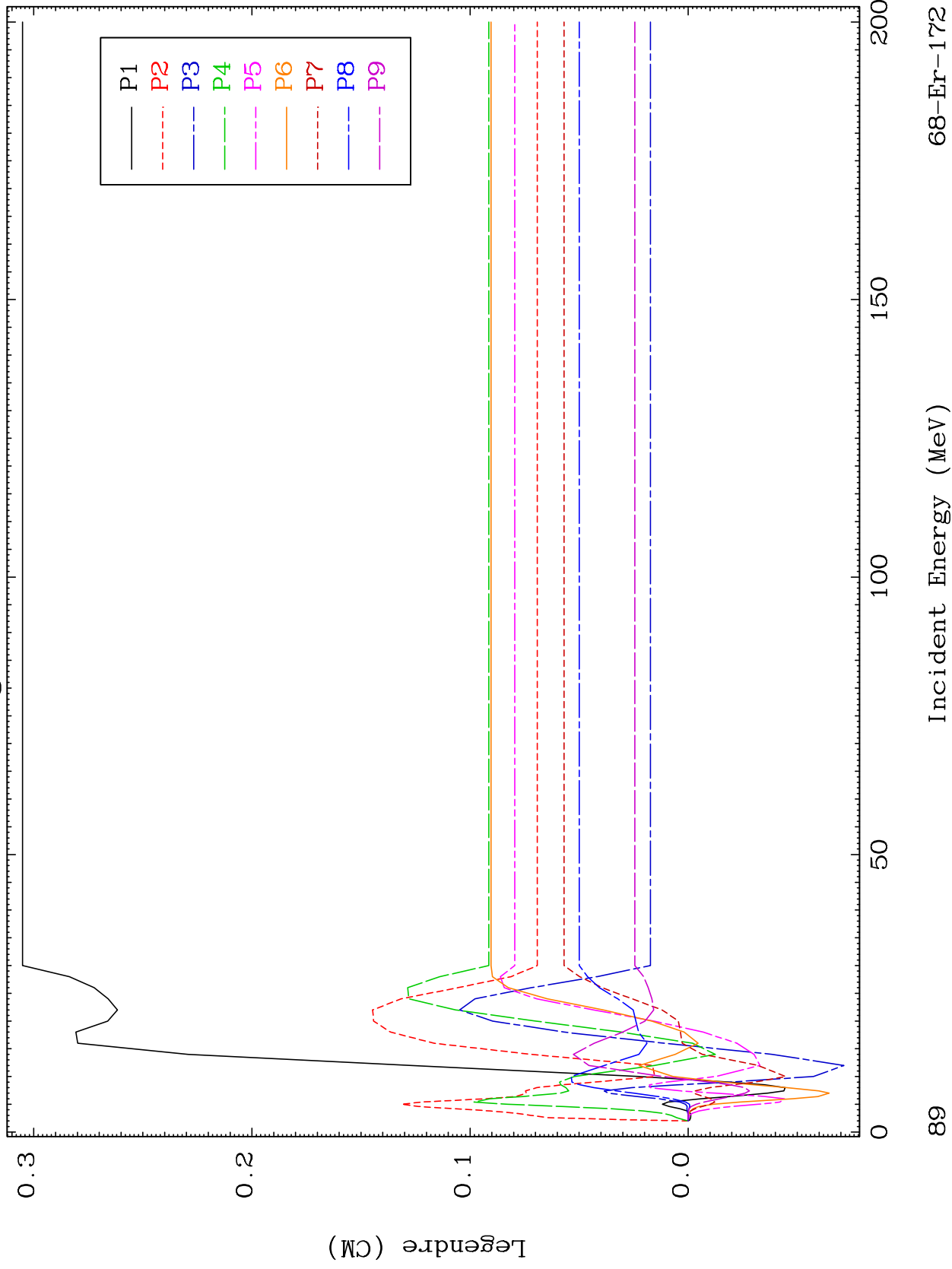
68-Er-172



MAT 6855

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

68-Er-172



68-Er-172

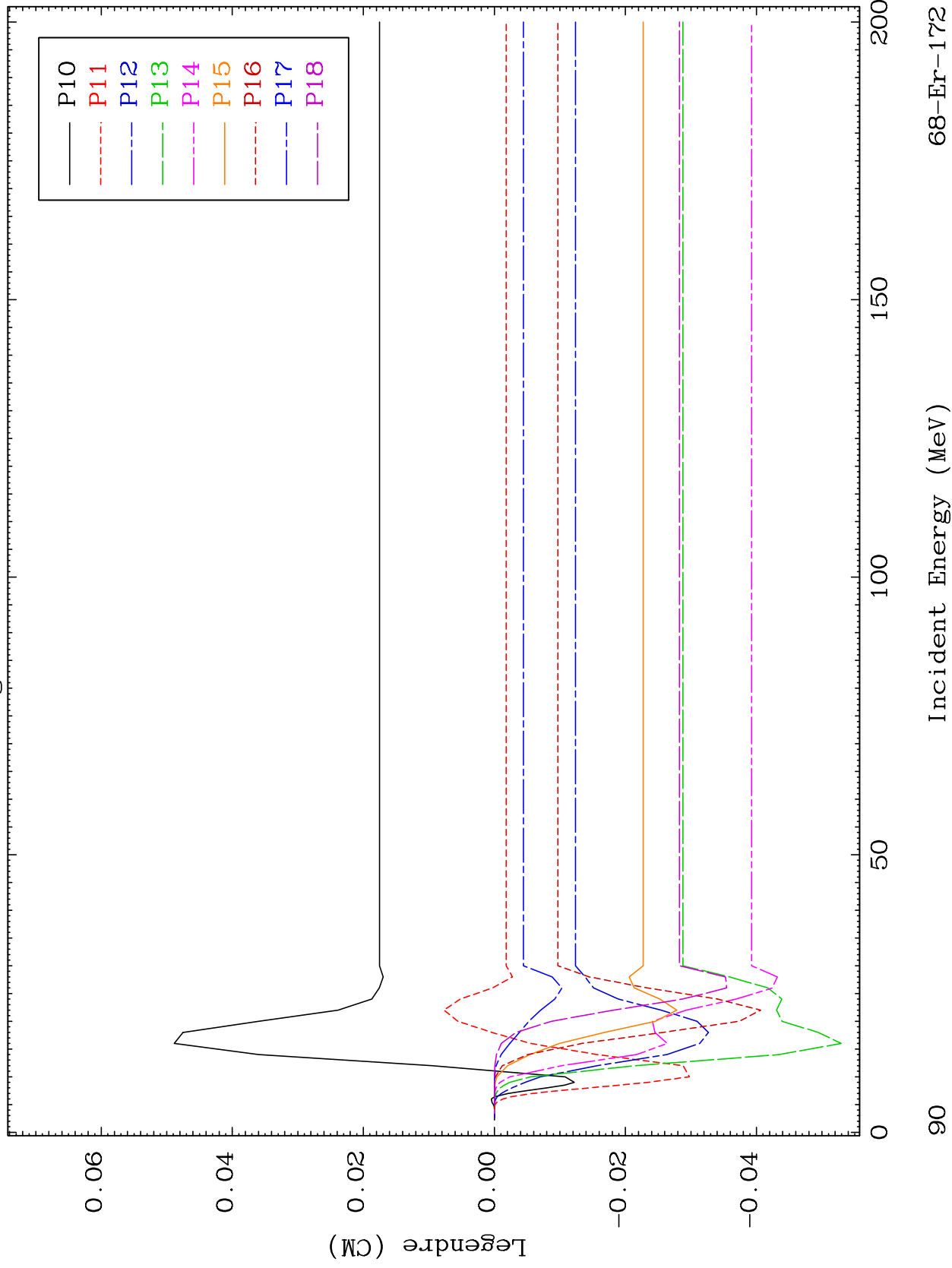
Incident Energy (MeV)

89

MAT 6855

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

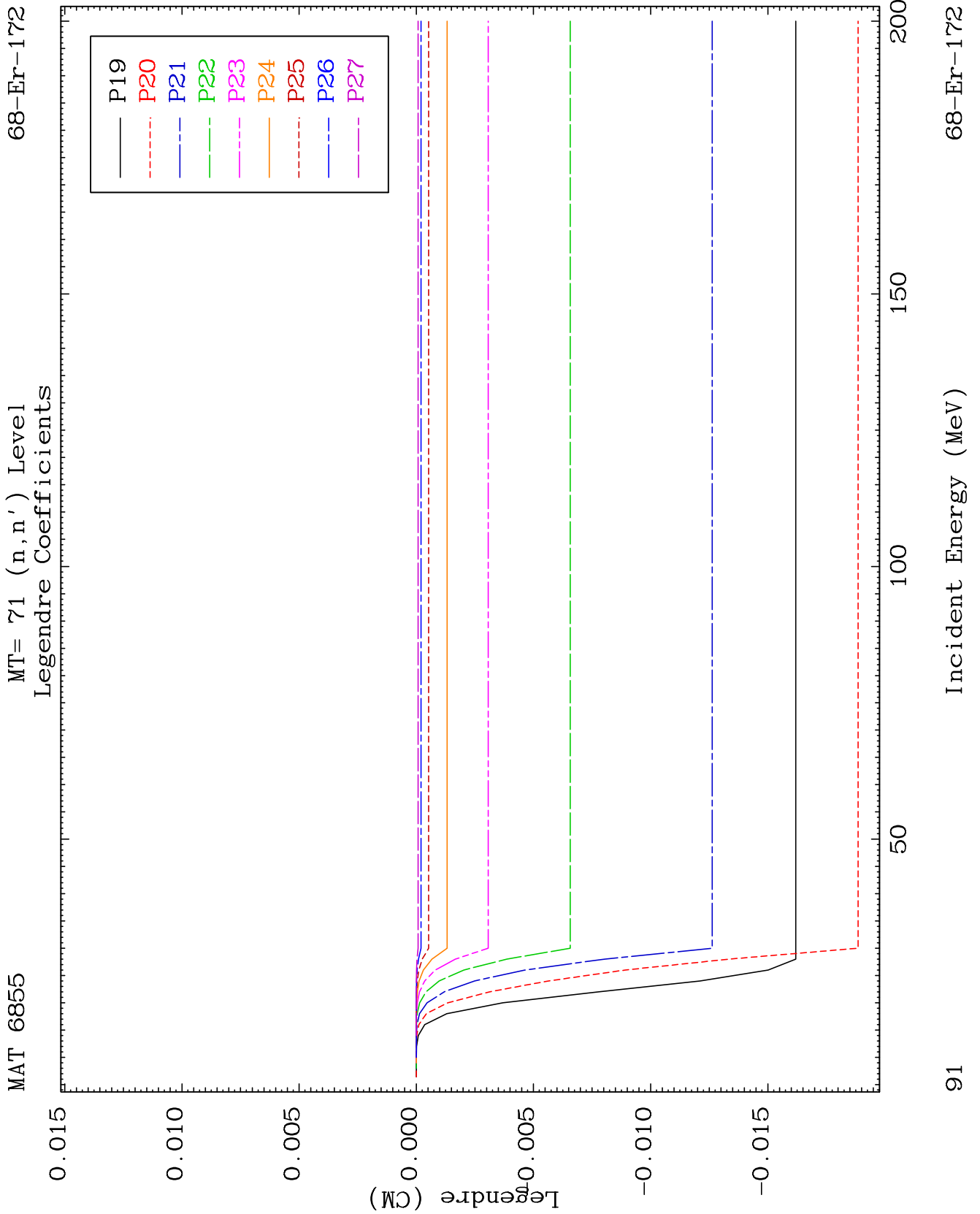
68-Er-172

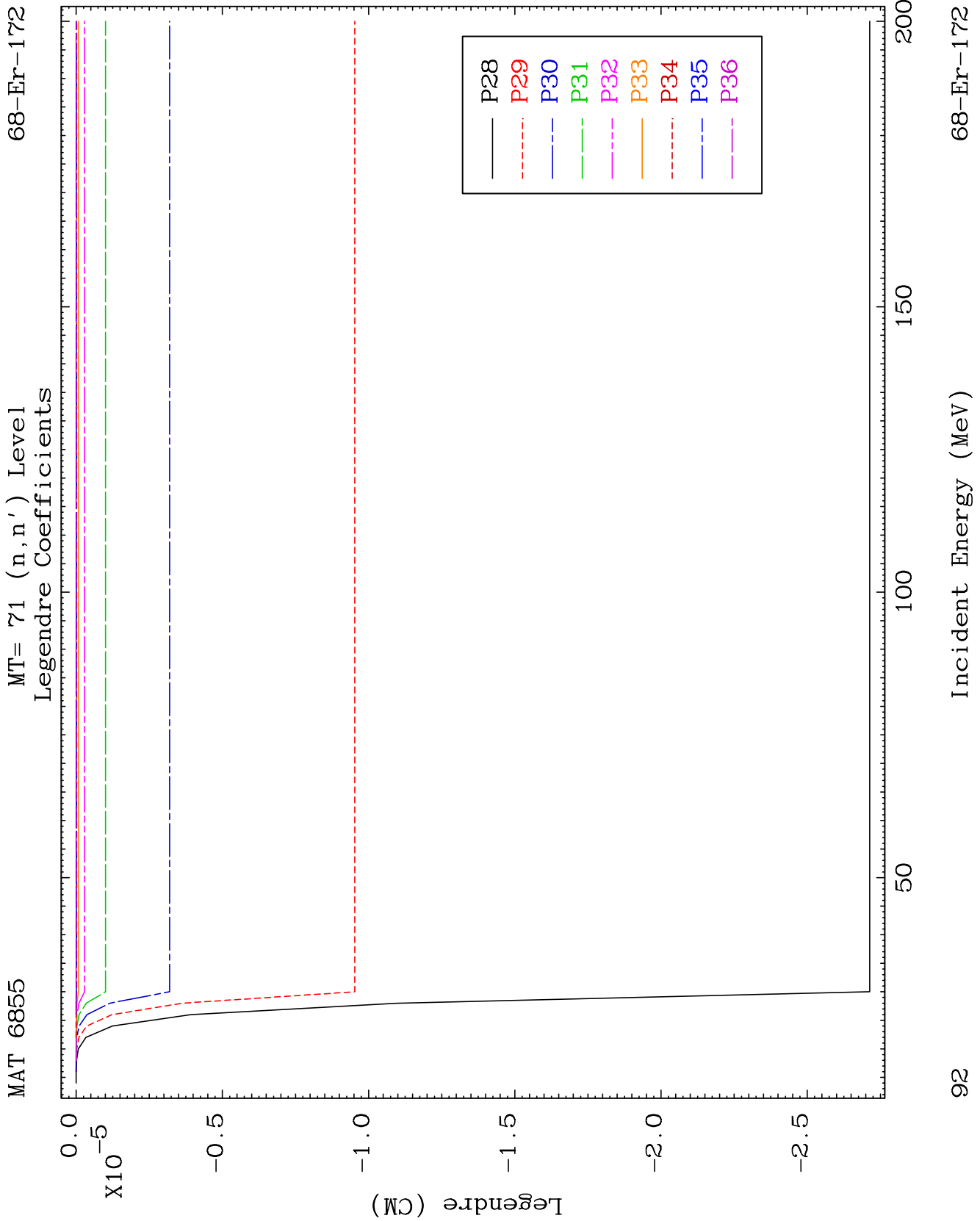


68-Er-172

Incident Energy (MeV)

90

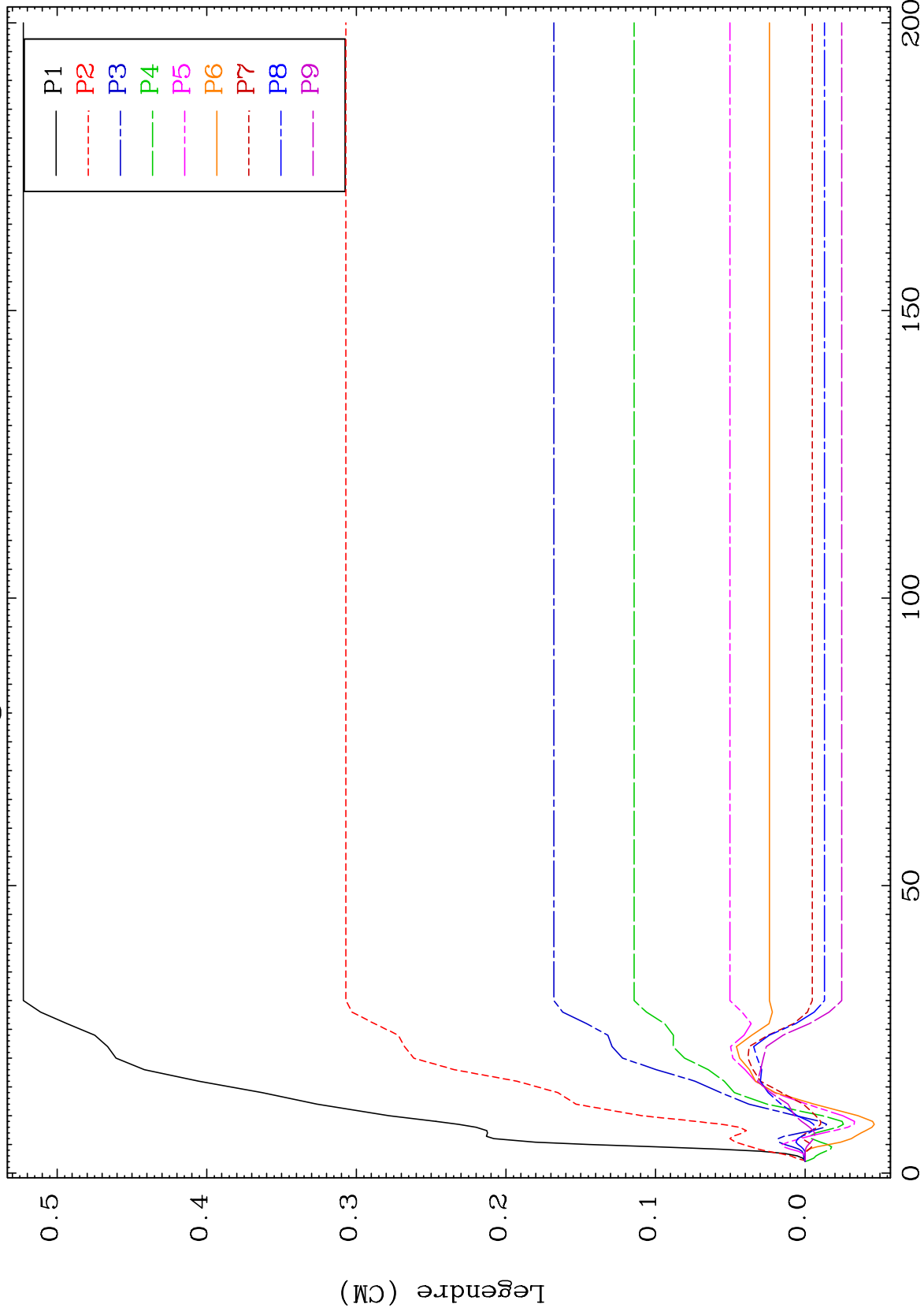




MAT 6855

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

68-Er-172



93

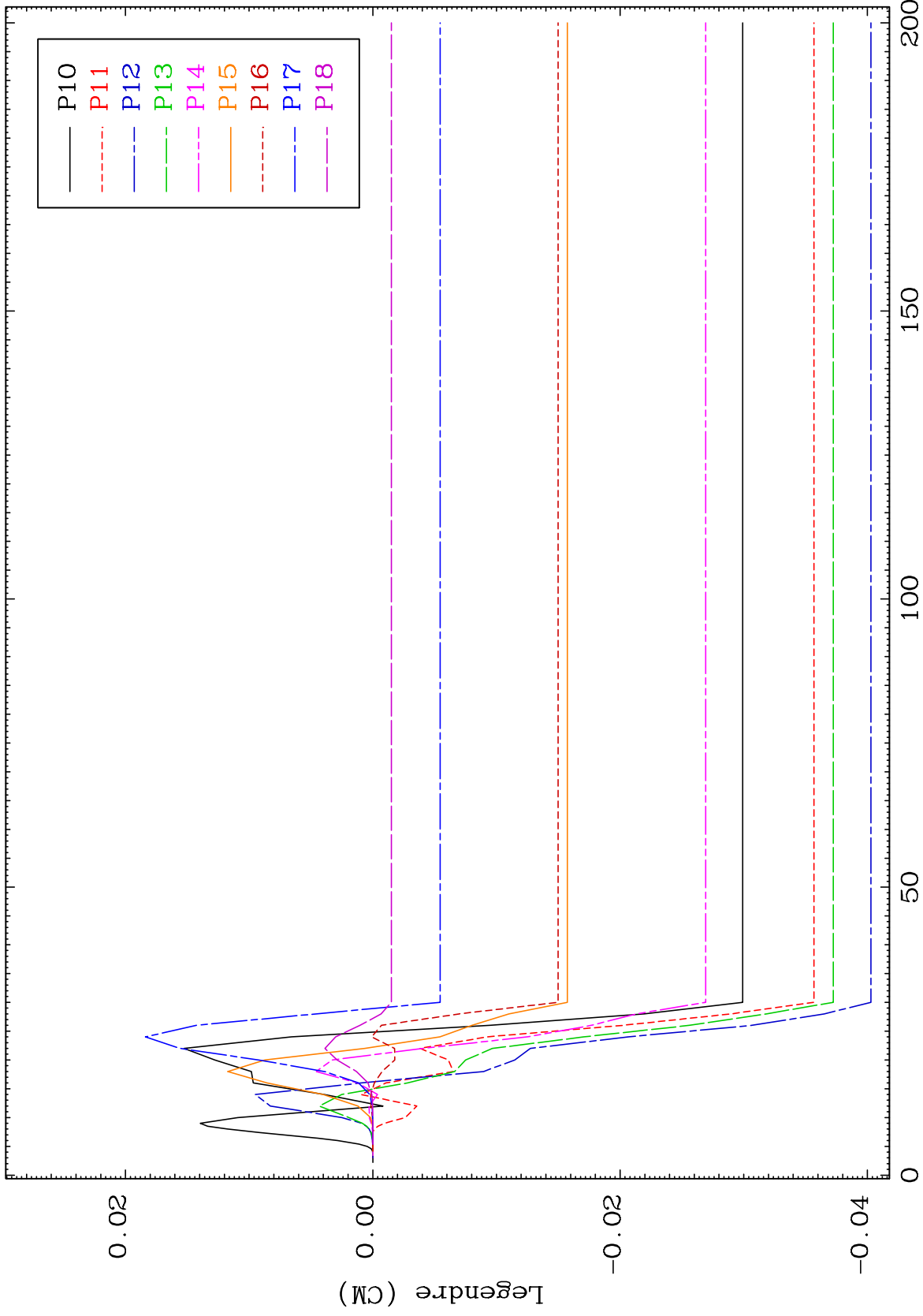
Incident Energy (MeV)

68-Er-172

MAT 6855

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

68-Er-172



94

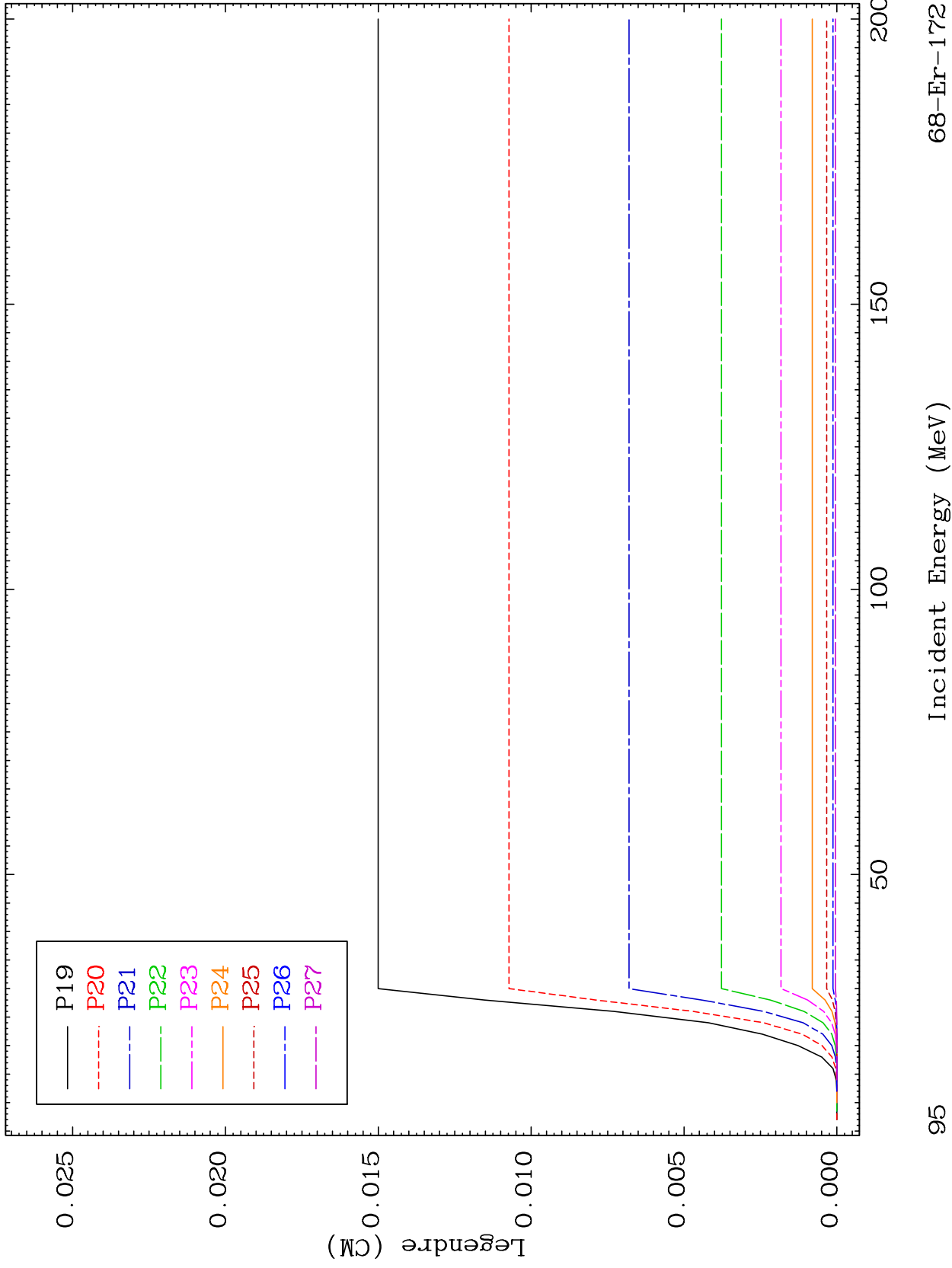
Incident Energy (MeV)

68-Er-172

MAT 6855

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

68-Er-172



95

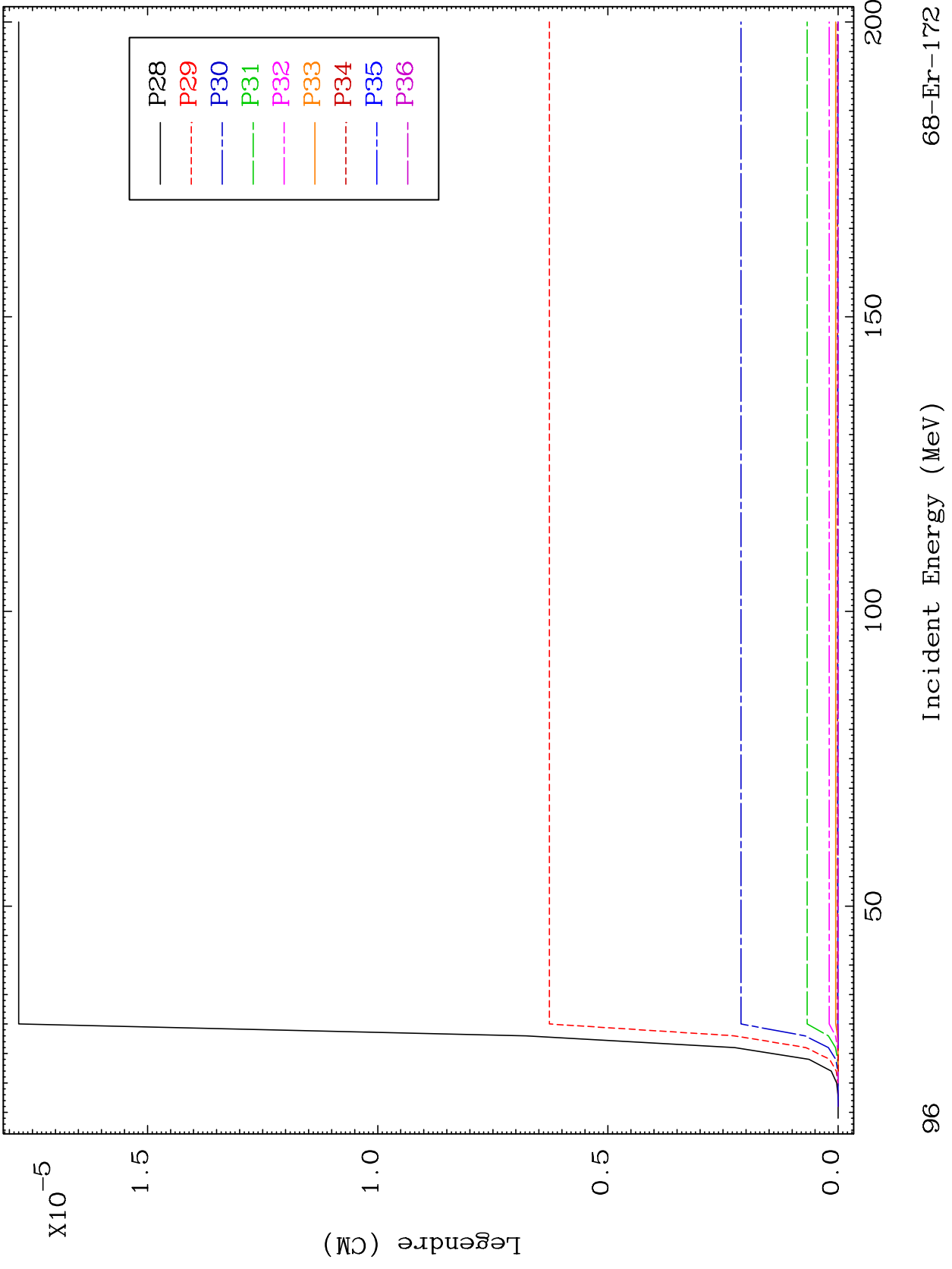
Incident Energy (MeV)

68-Er-172

MAT 6855

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

68-Er-172

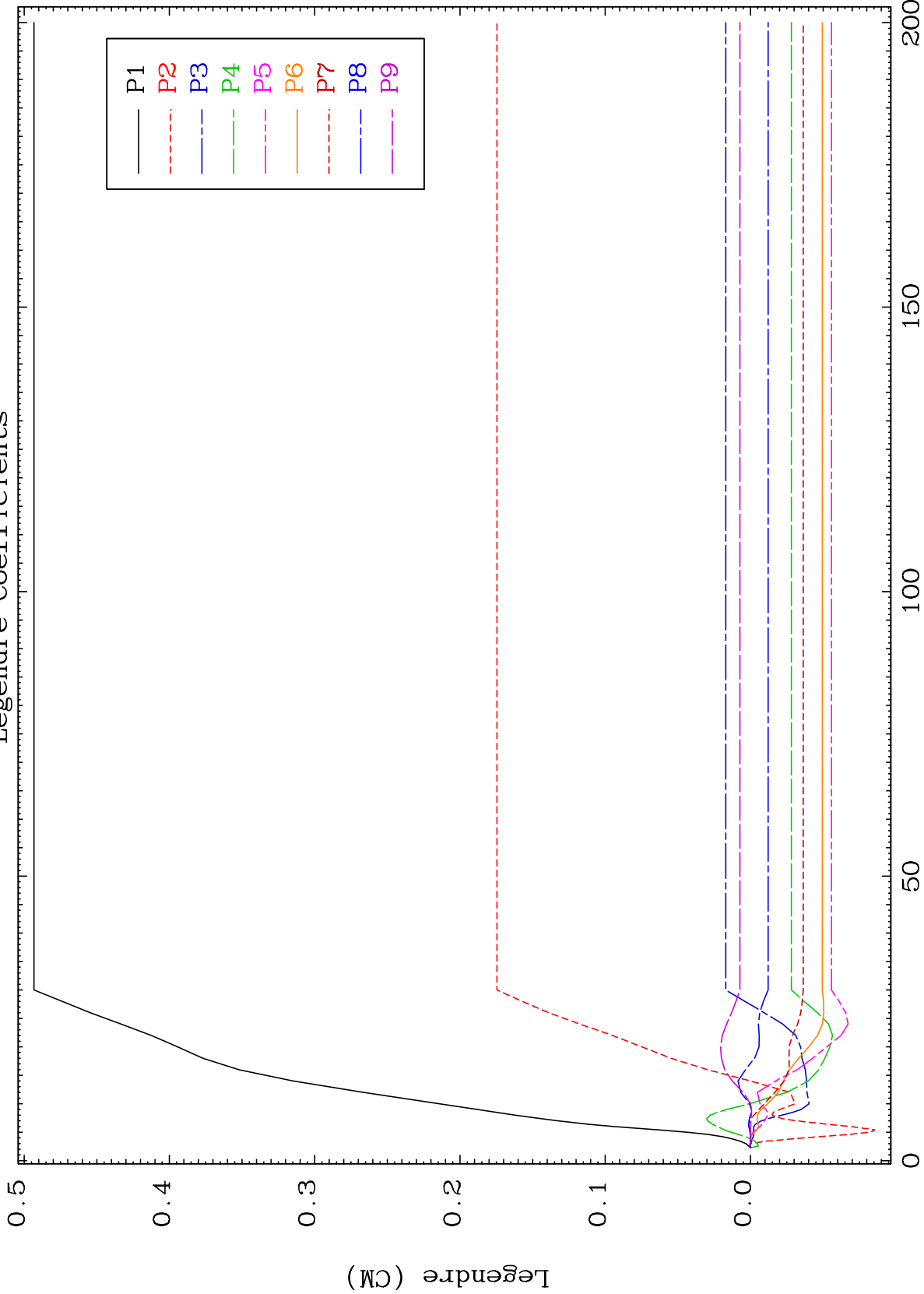


MAT 6855

MT= 73 (n,n') Level

68-Er-172

Legendre Coefficients



97

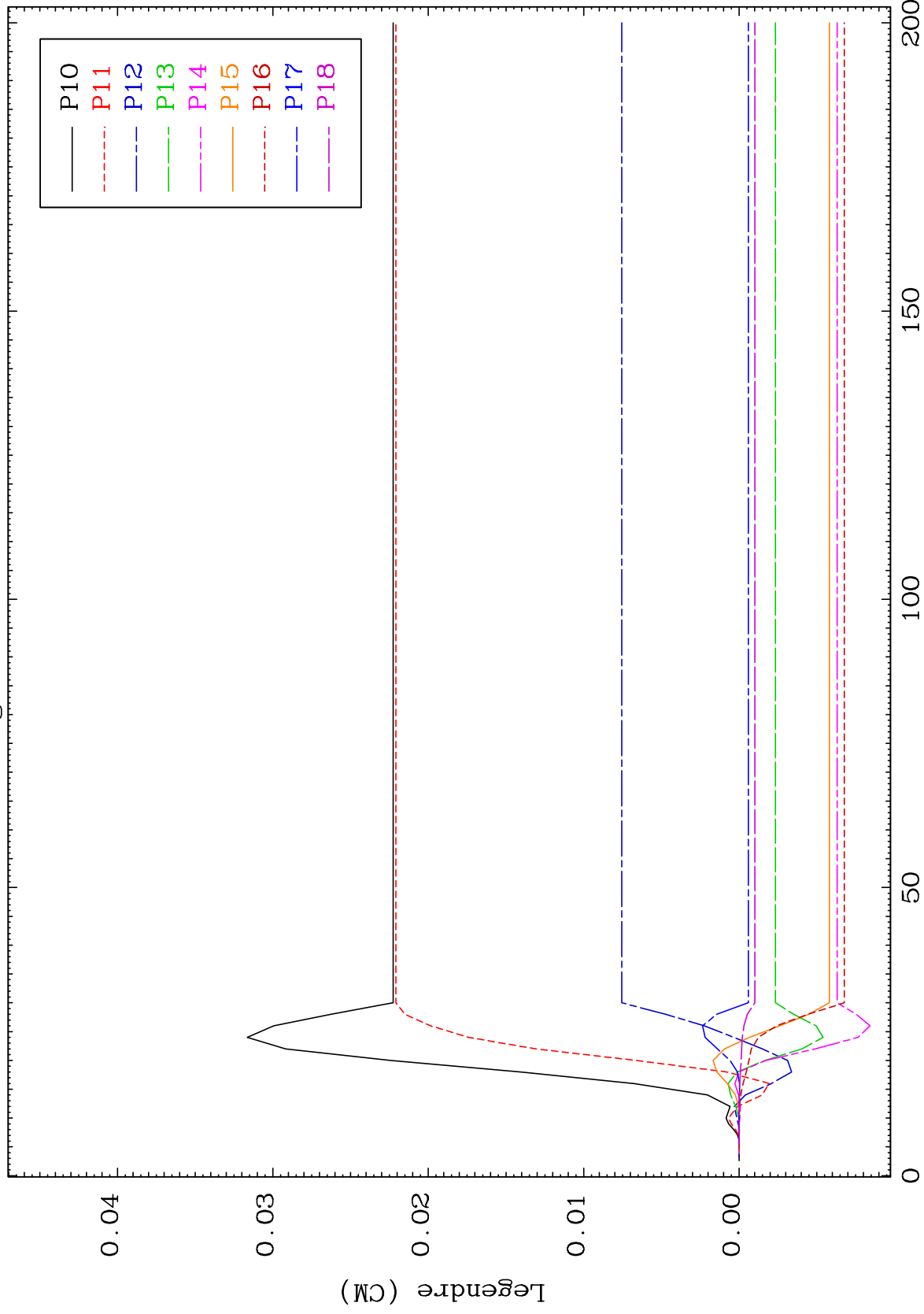
Incident Energy (MeV)

68-Er-172

MAT 6855

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

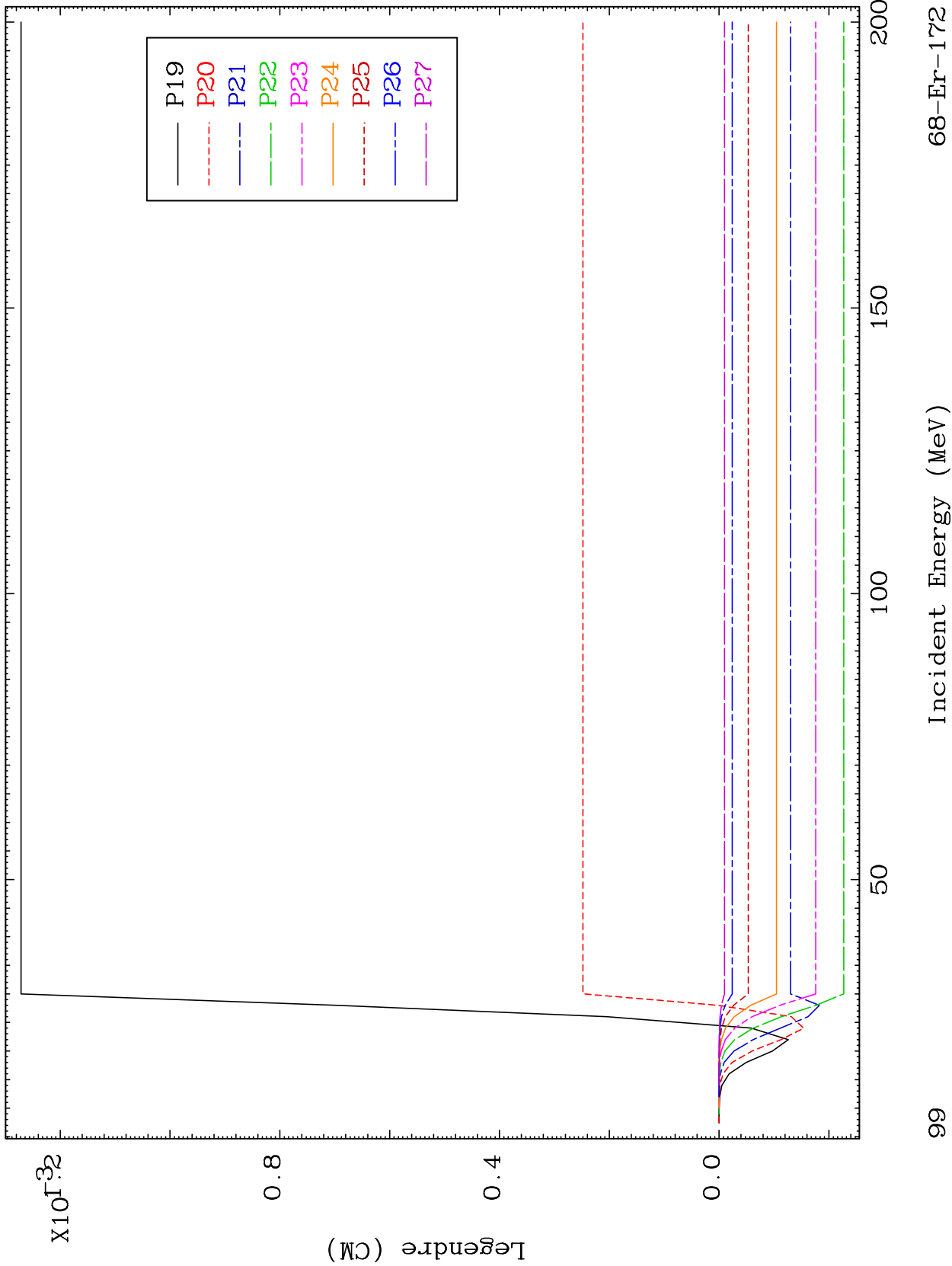
68-Er-172

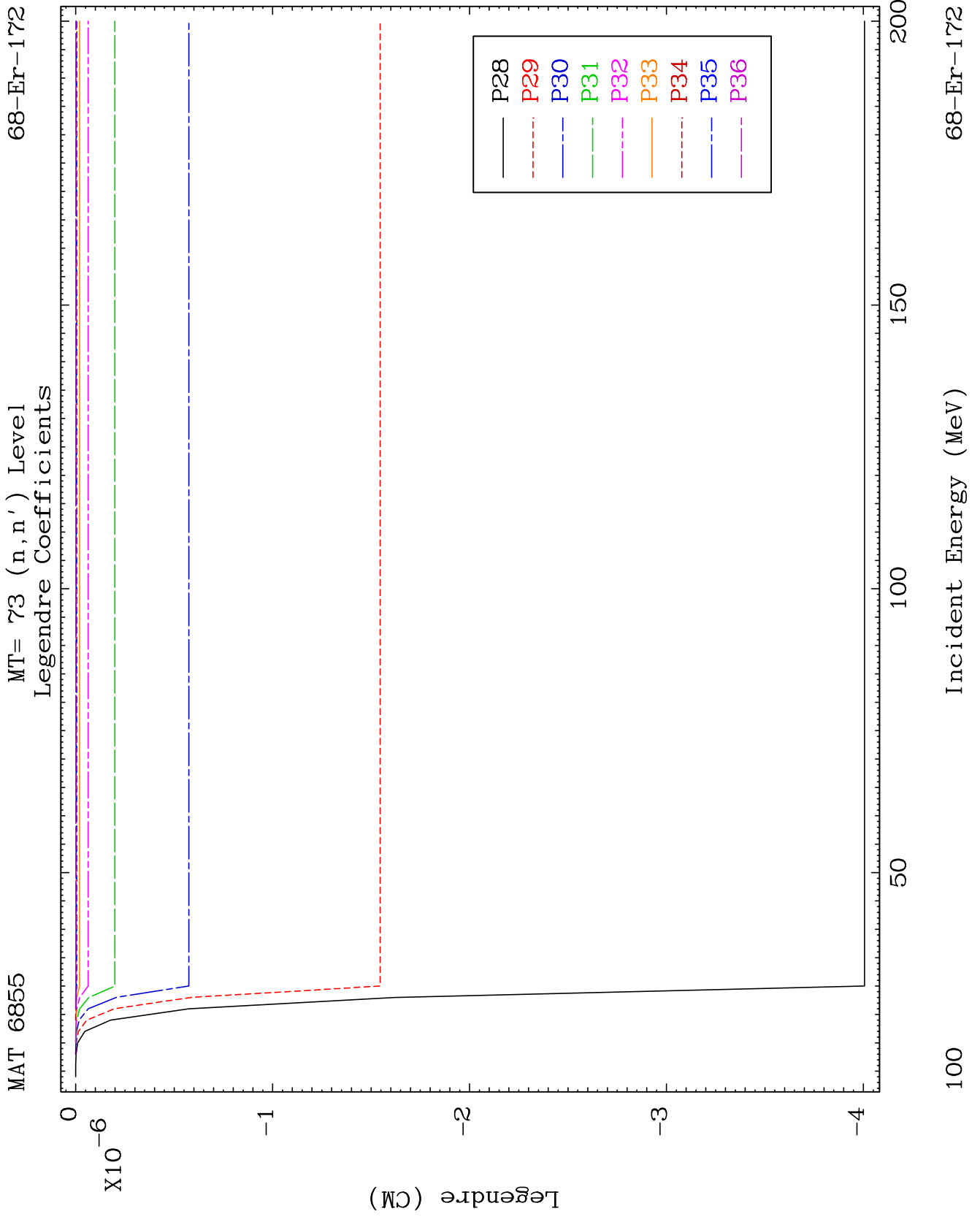


98

Incident Energy (MeV)

68-Er-172

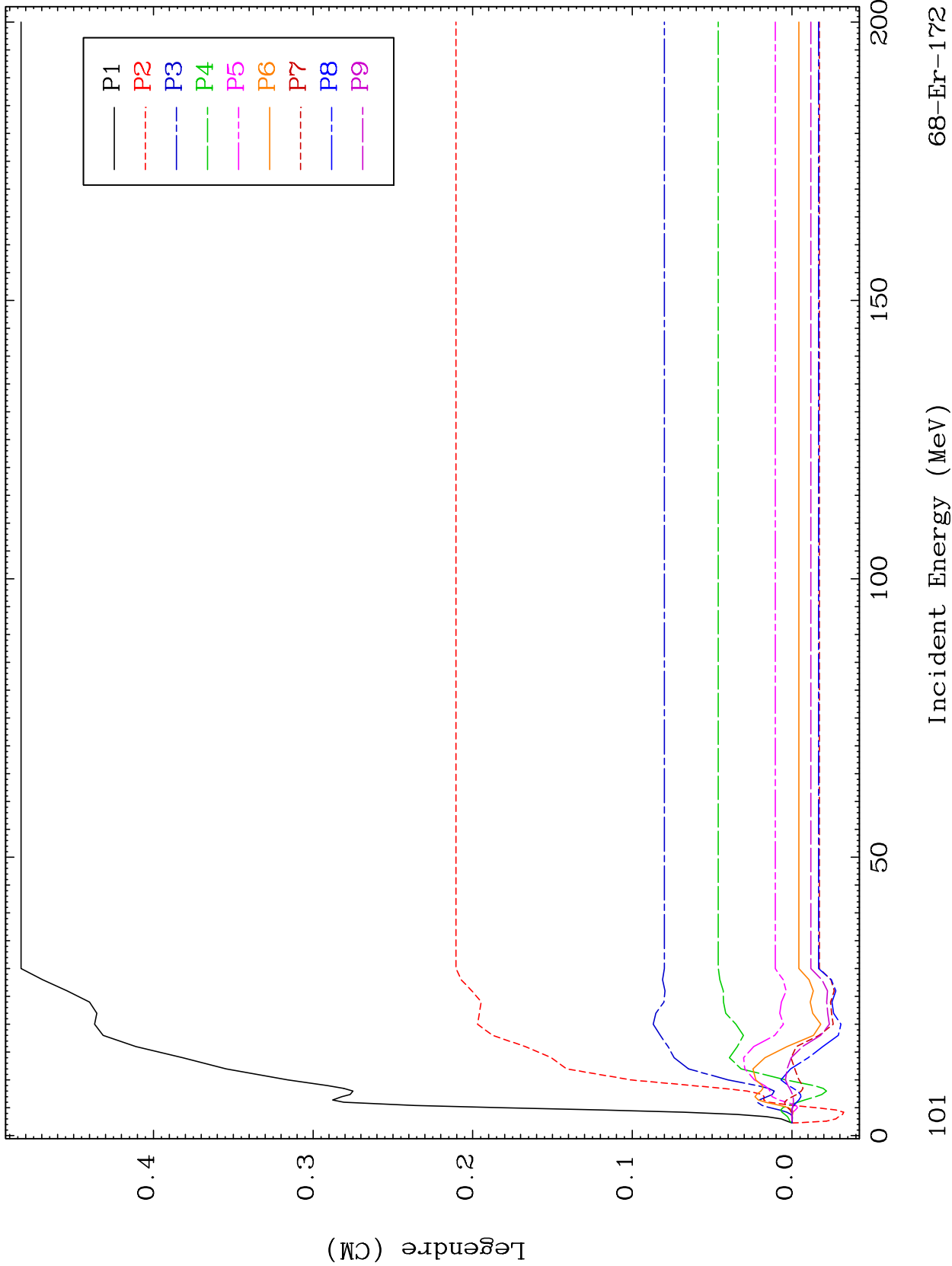




MAT 6855

MT= 74 (n,n') Level
Legendre Coefficients

68-Er-172



68-Er-172

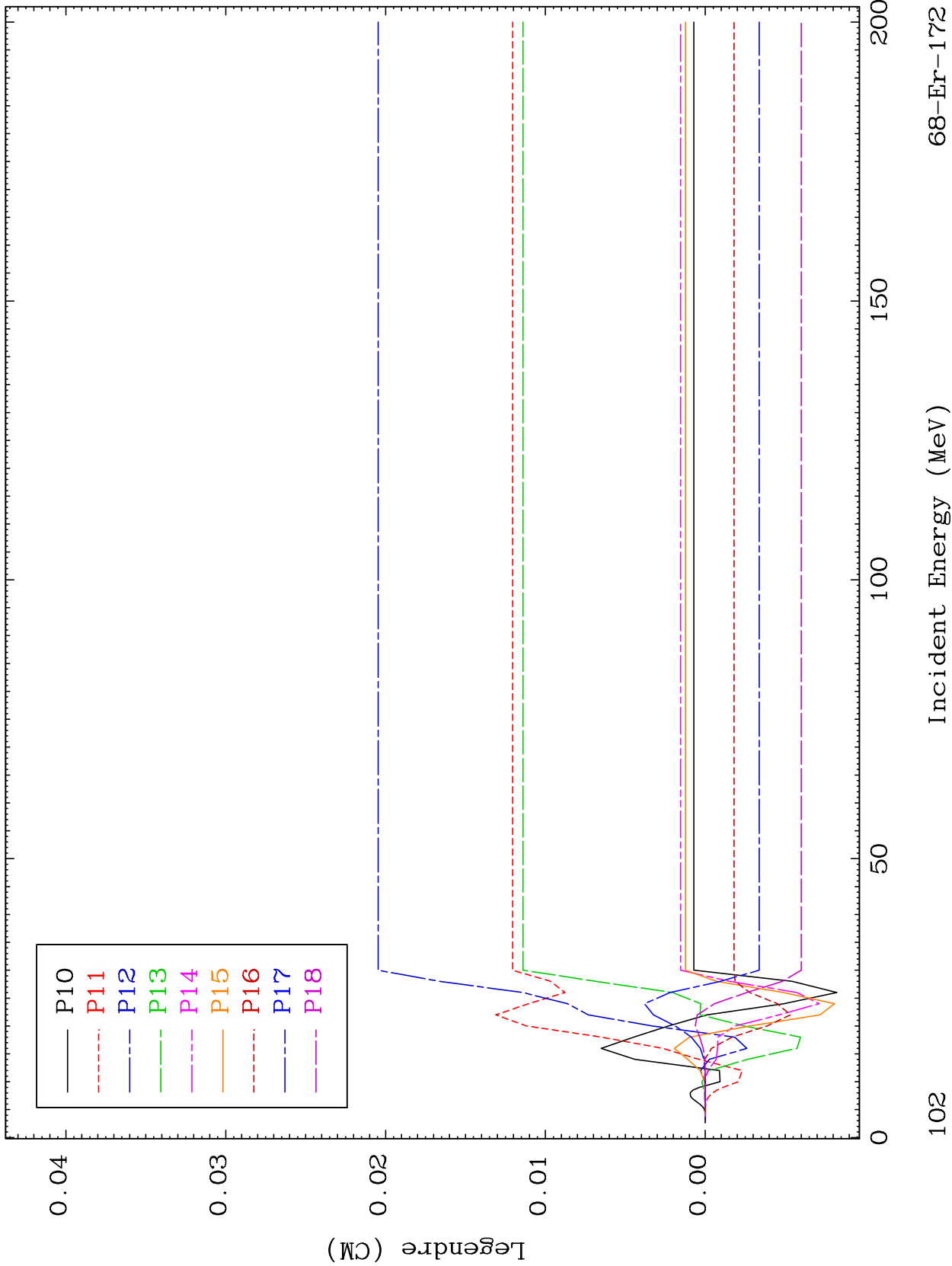
Incident Energy (MeV)

101

MAT 6855

MT= 74 (n,n') Level
Legendre Coefficients

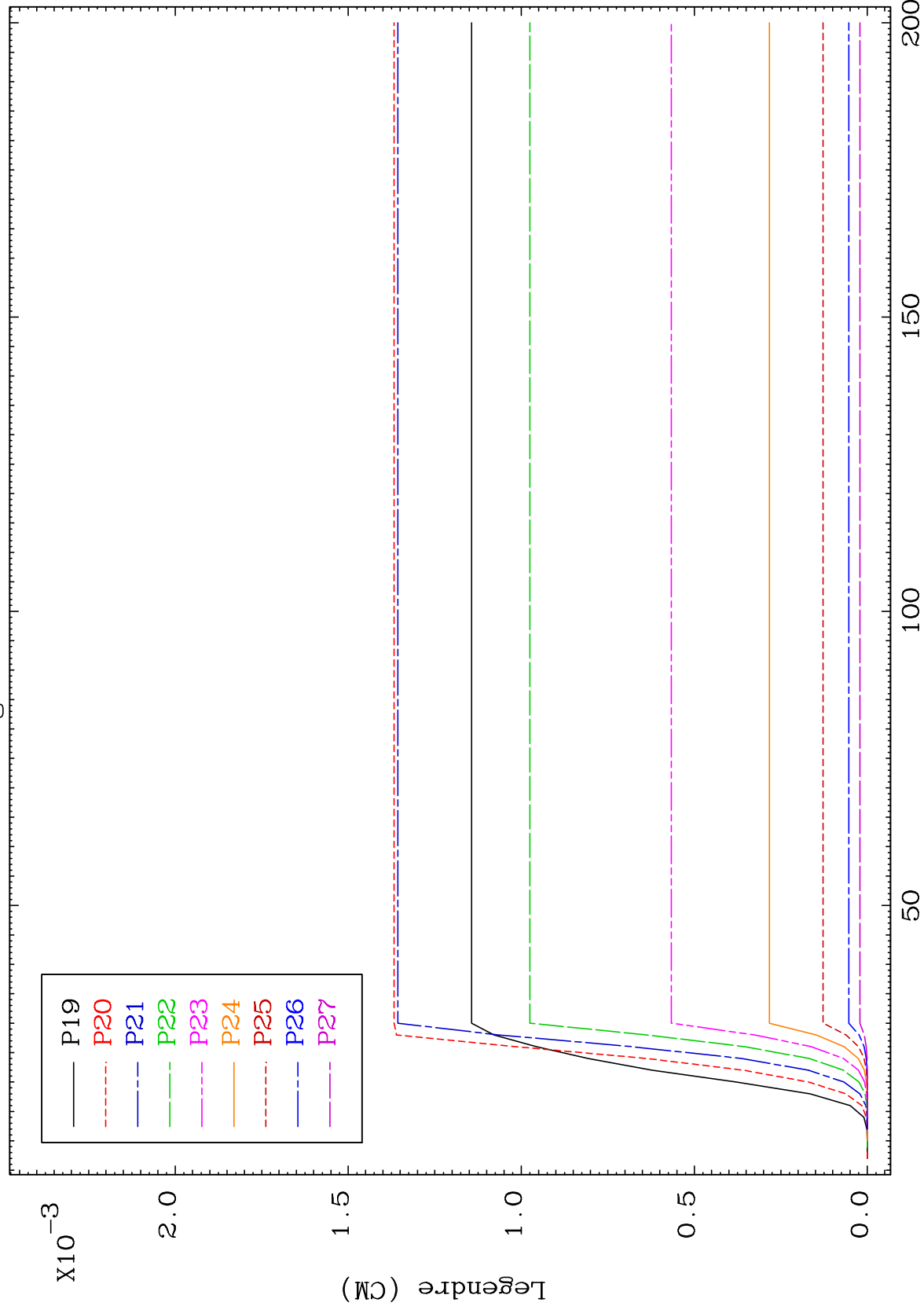
68-Er-172



102

Incident Energy (MeV)

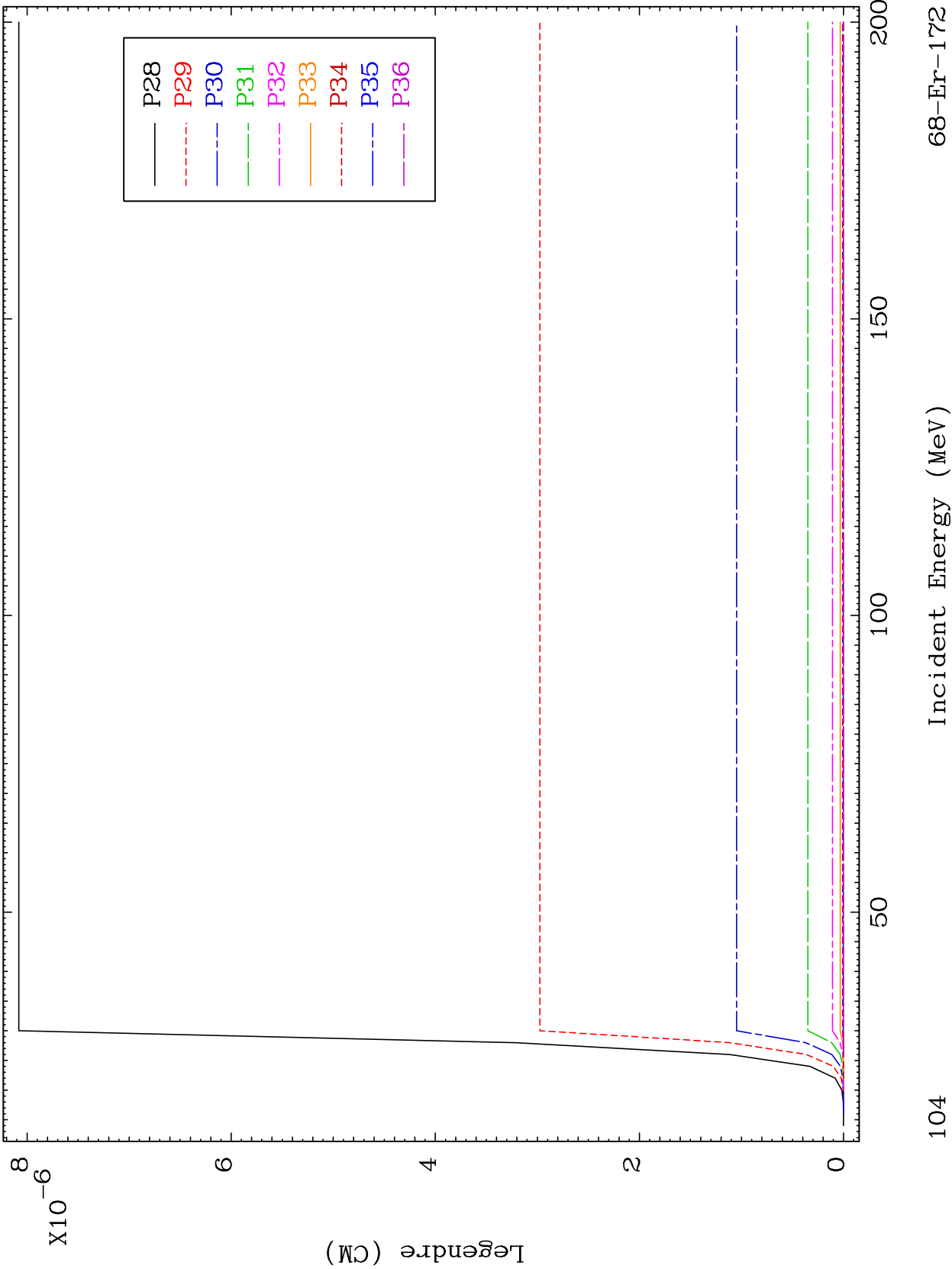
68-Er-172



MAT 6855

MT= 74 (n,n') Level
Legendre Coefficients

68-Er-172



104

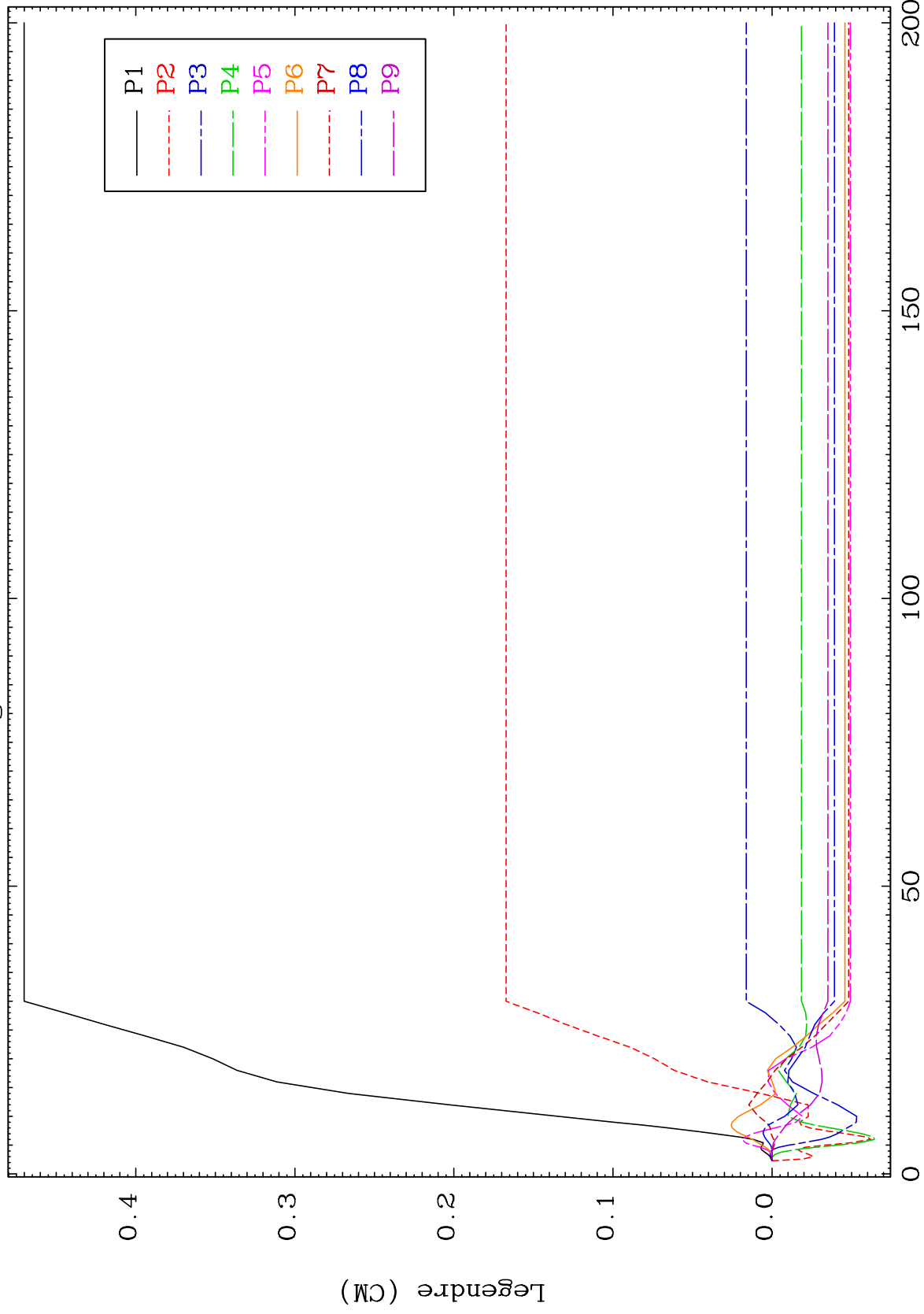
Incident Energy (MeV)

68-Er-172

MAT 6855

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

68-Er-172



68-Er-172

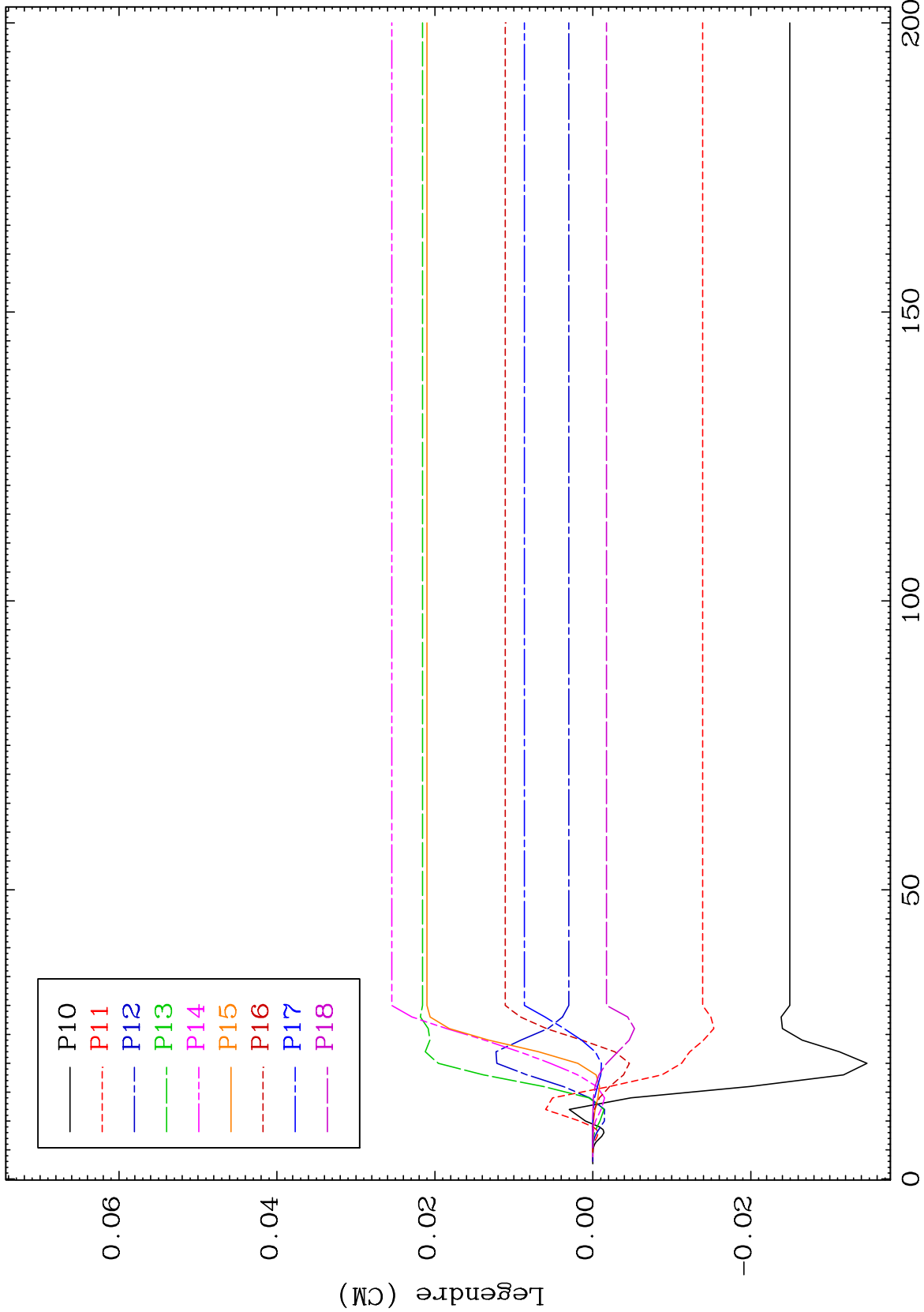
Incident Energy (MeV)

105

MAT 68555

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

68-Er-172



106

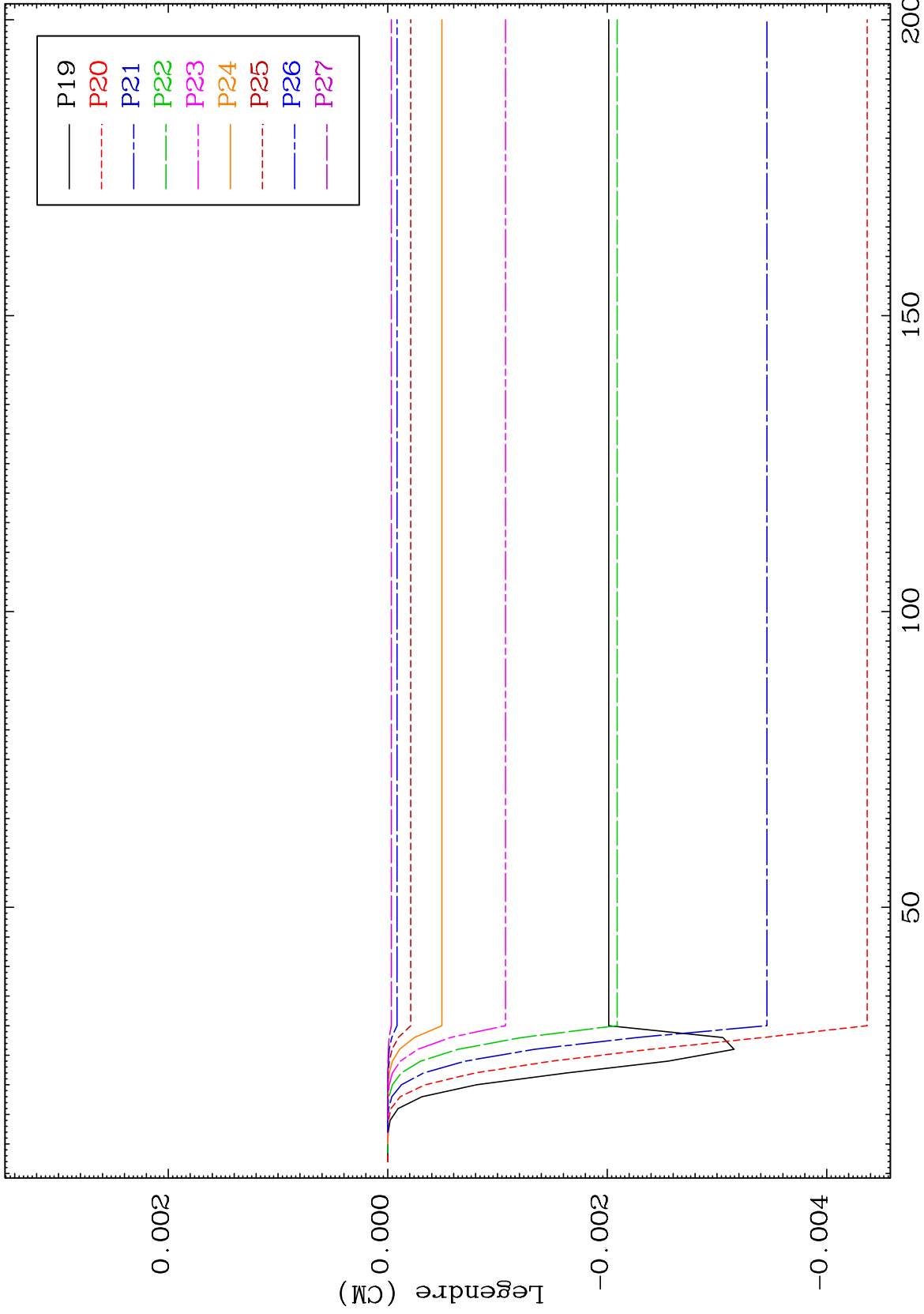
Incident Energy (MeV)

68-Er-172

MAT 6855

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

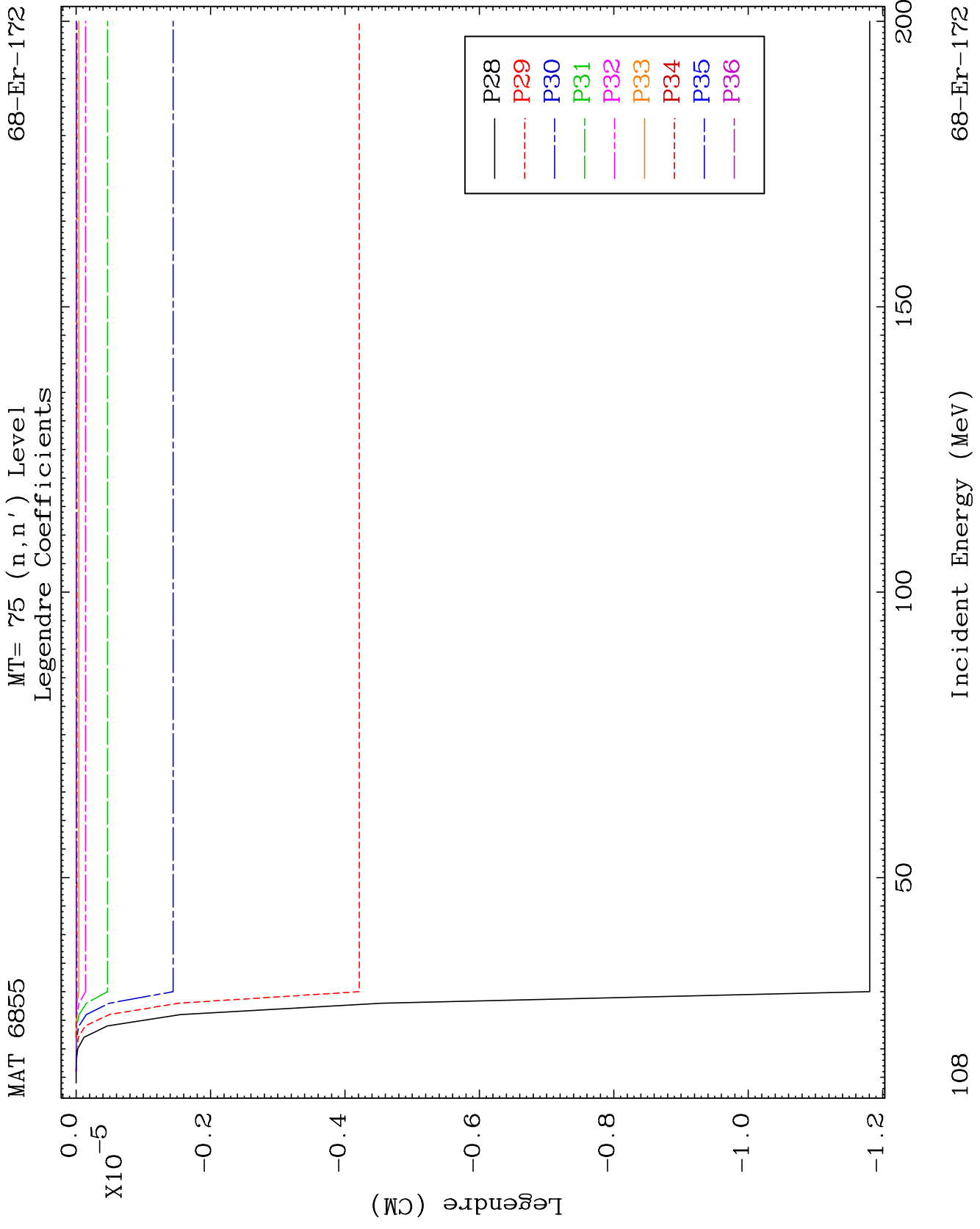
68-Er-172



107

Incident Energy (MeV)

68-Er-172

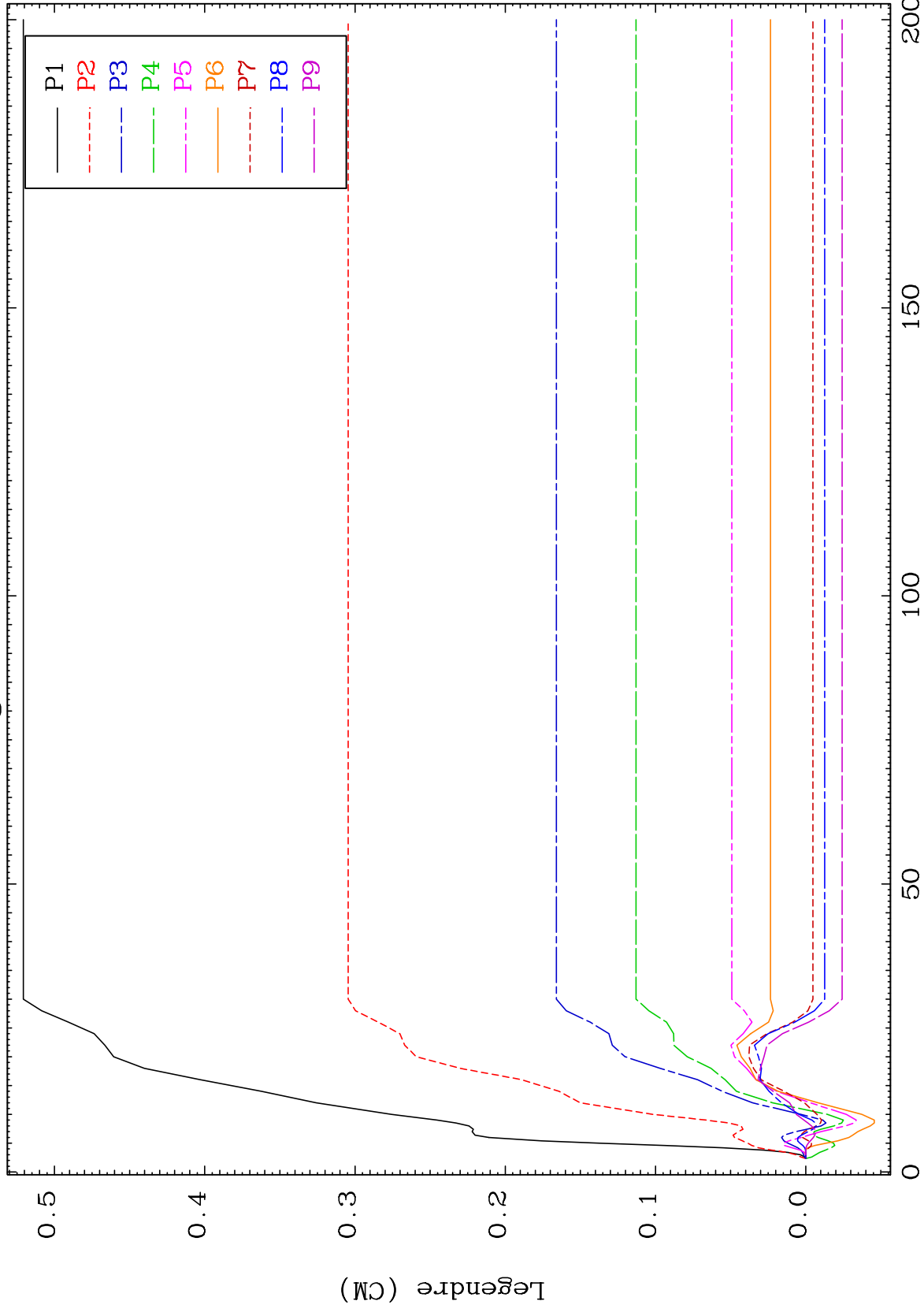


MAT 6855

MT= 76 (n,n') Level

68-Er-172

Legendre Coefficients



0

50

100

150

200

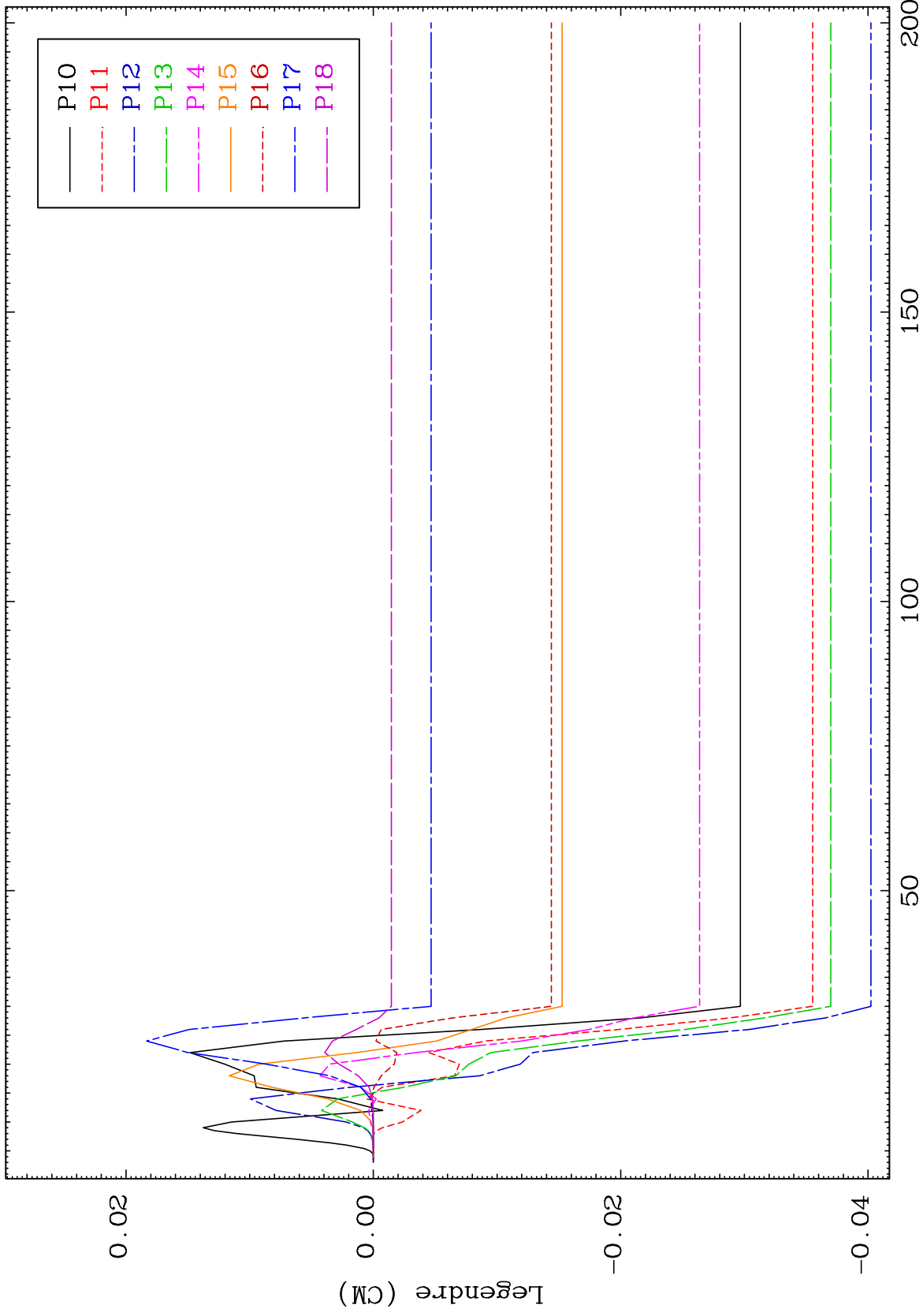
Incident Energy (MeV)

68-Er-172

MAT 6855

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

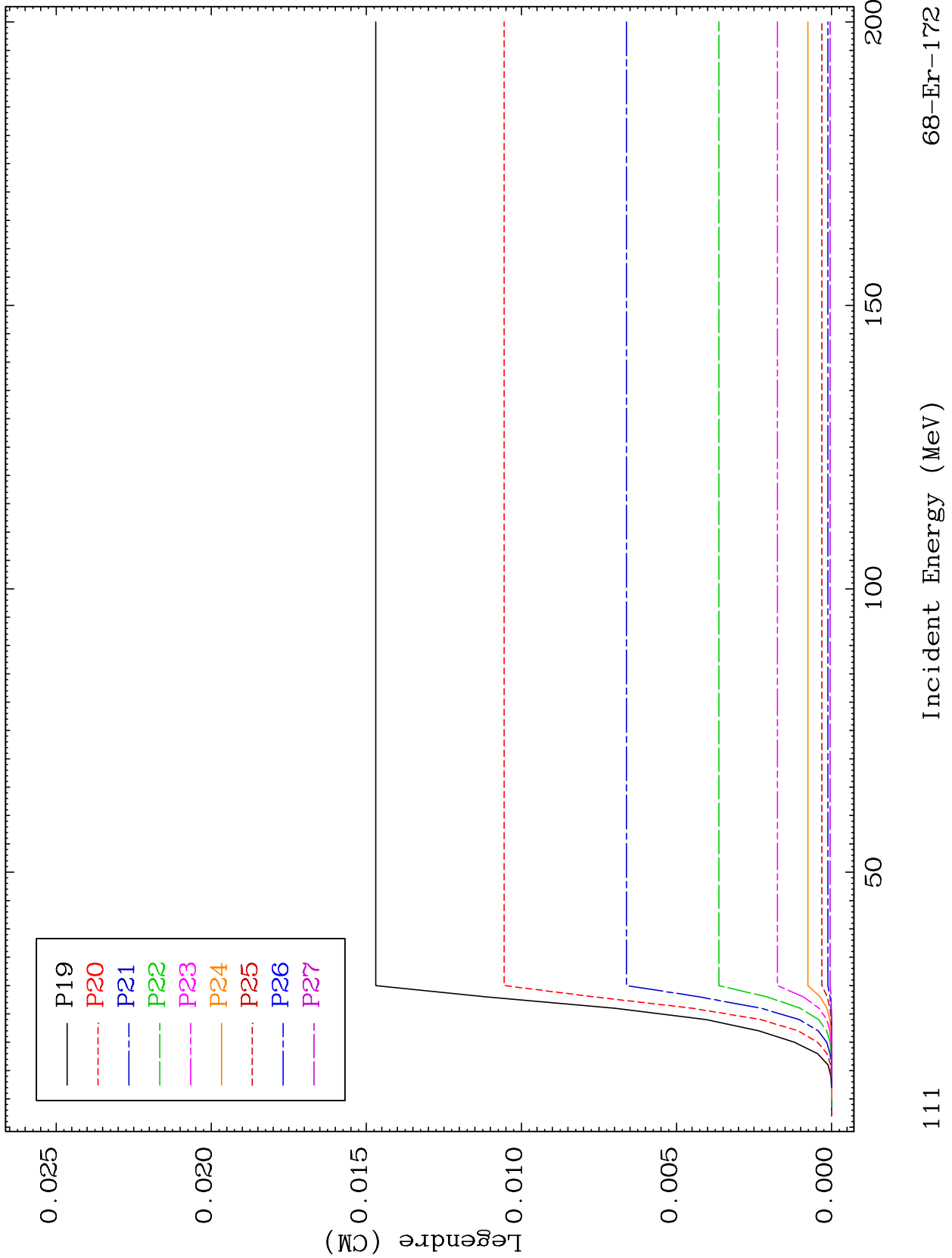
68-Er-172



110

Incident Energy (MeV)

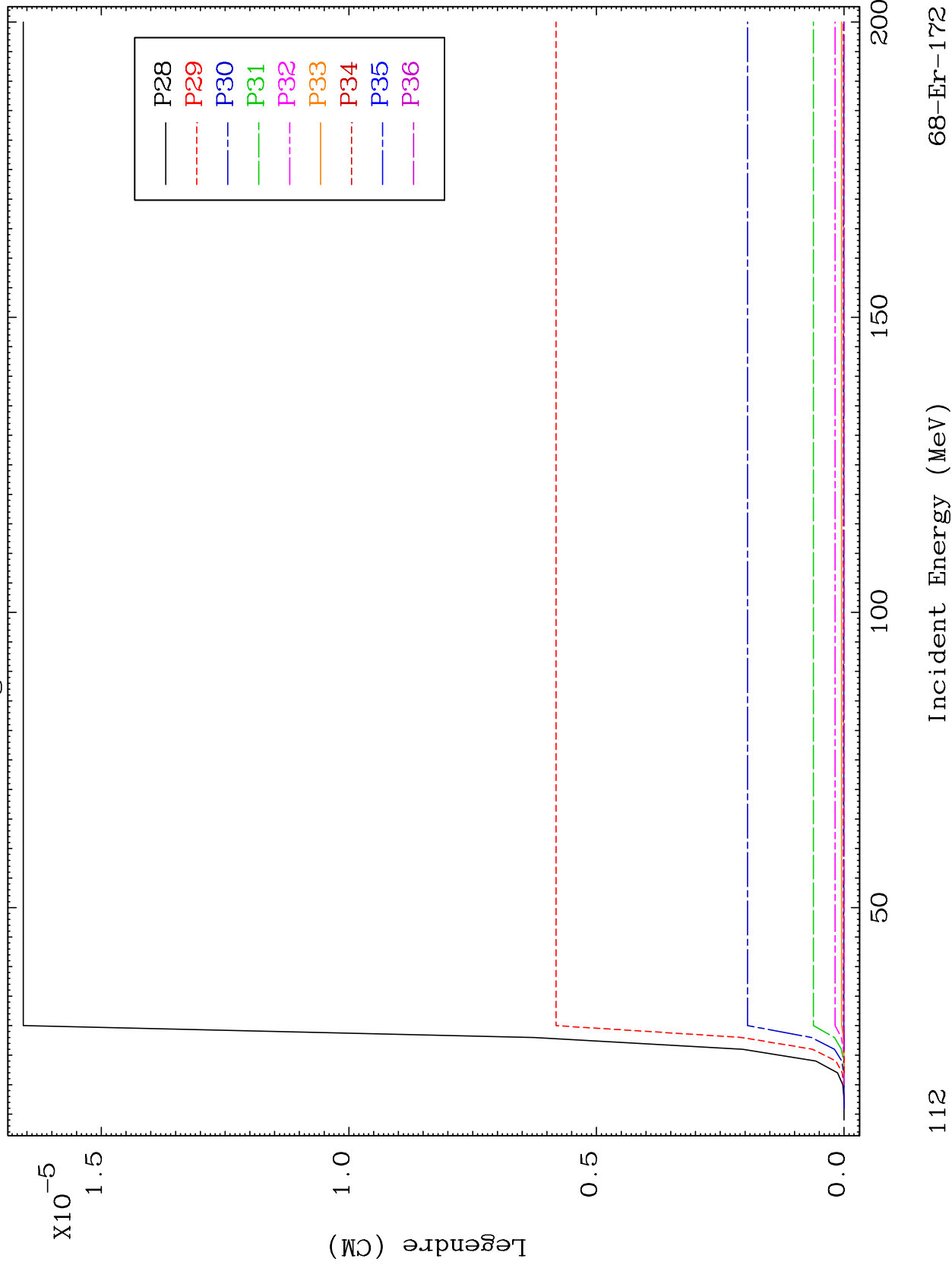
68-Er-172



MAT 6855

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

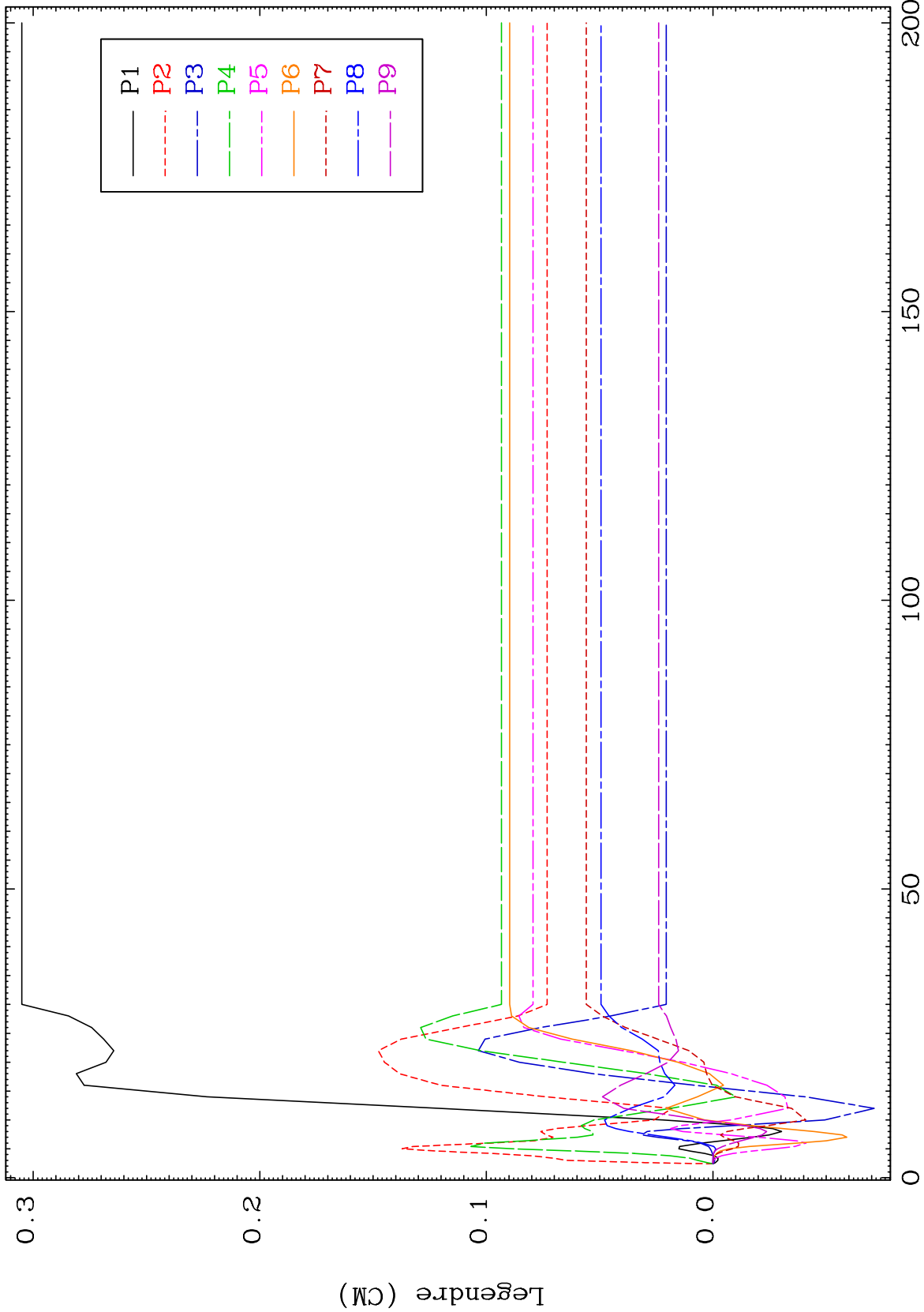
68-Er-172



MAT 6855

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

68-Er-172



113

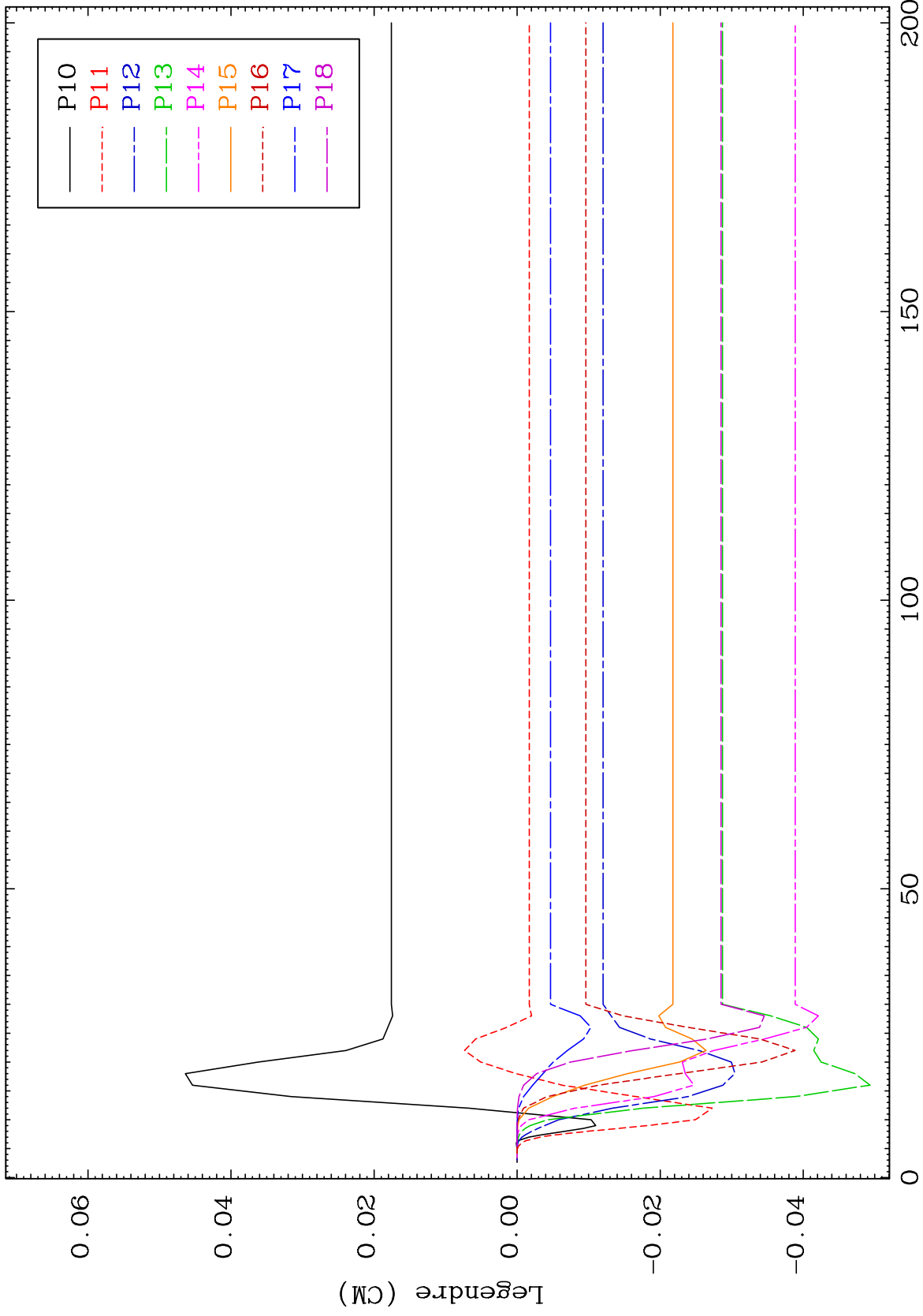
Incident Energy (MeV)

68-Er-172

MAT 6855

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

68-Er-172



114

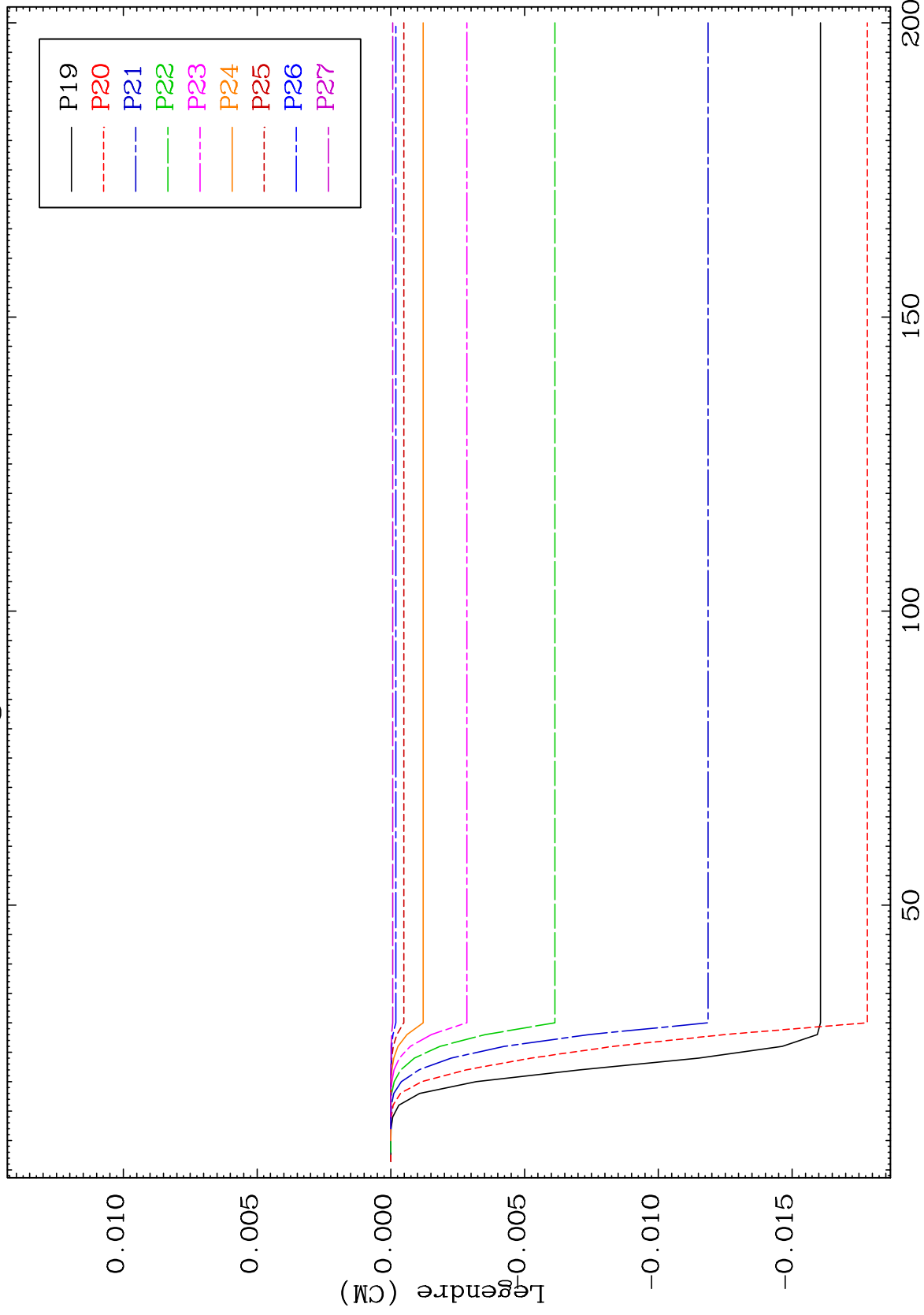
Incident Energy (MeV)

68-Er-172

MAT 6855

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

68-Er-172



115

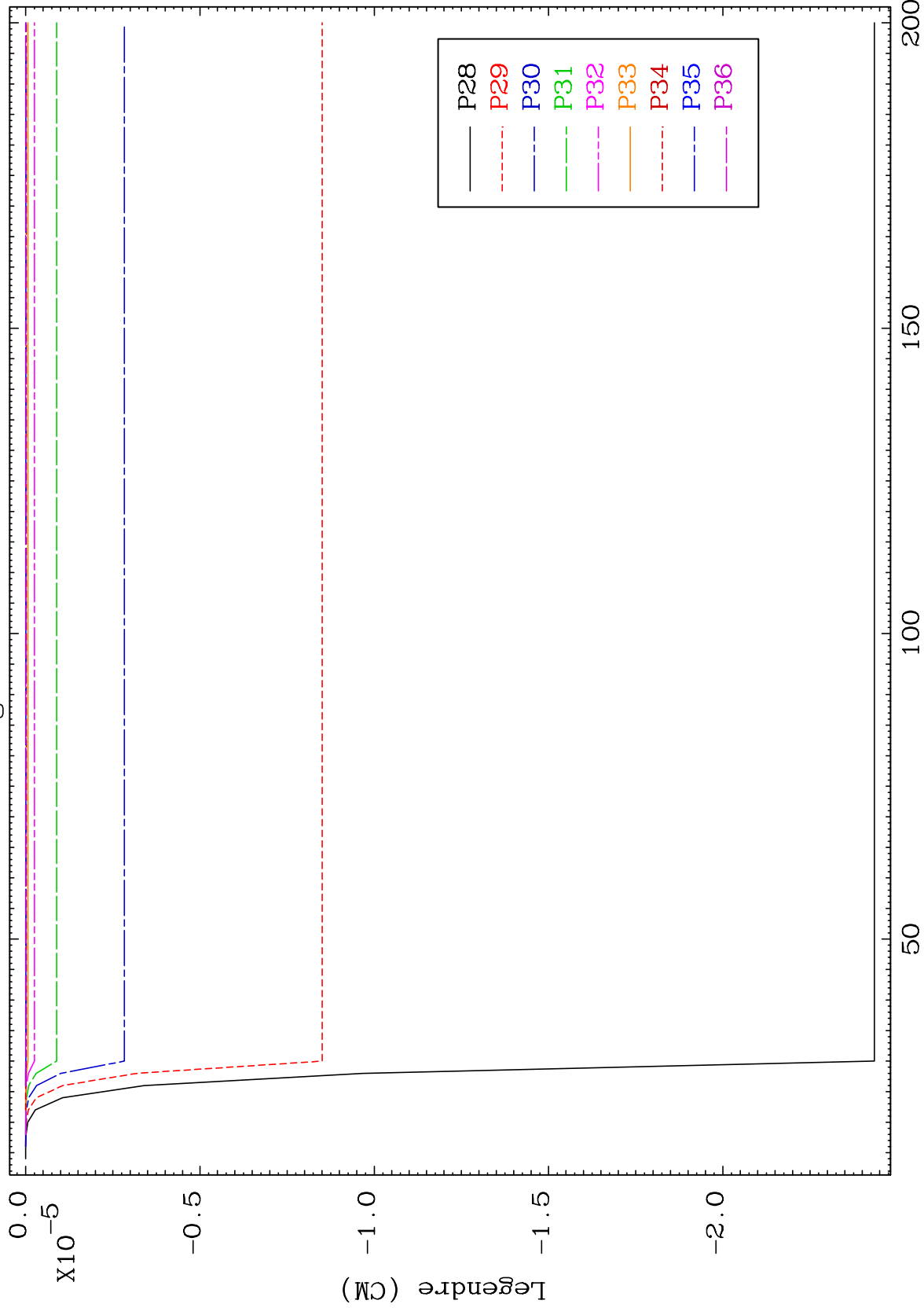
Incident Energy (MeV)

68-Er-172

MAT 6855

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

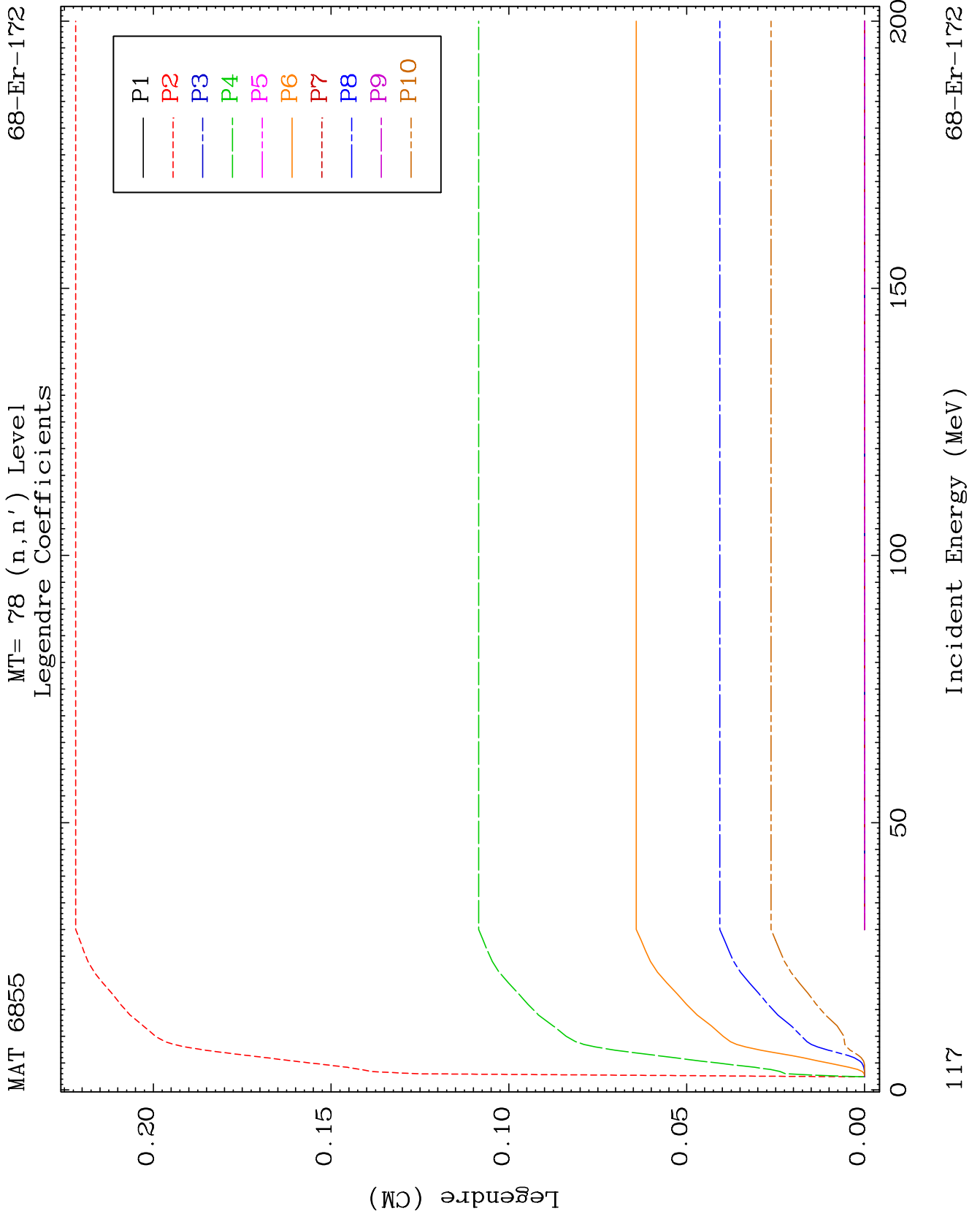
68-Er-172



116

Incident Energy (MeV)

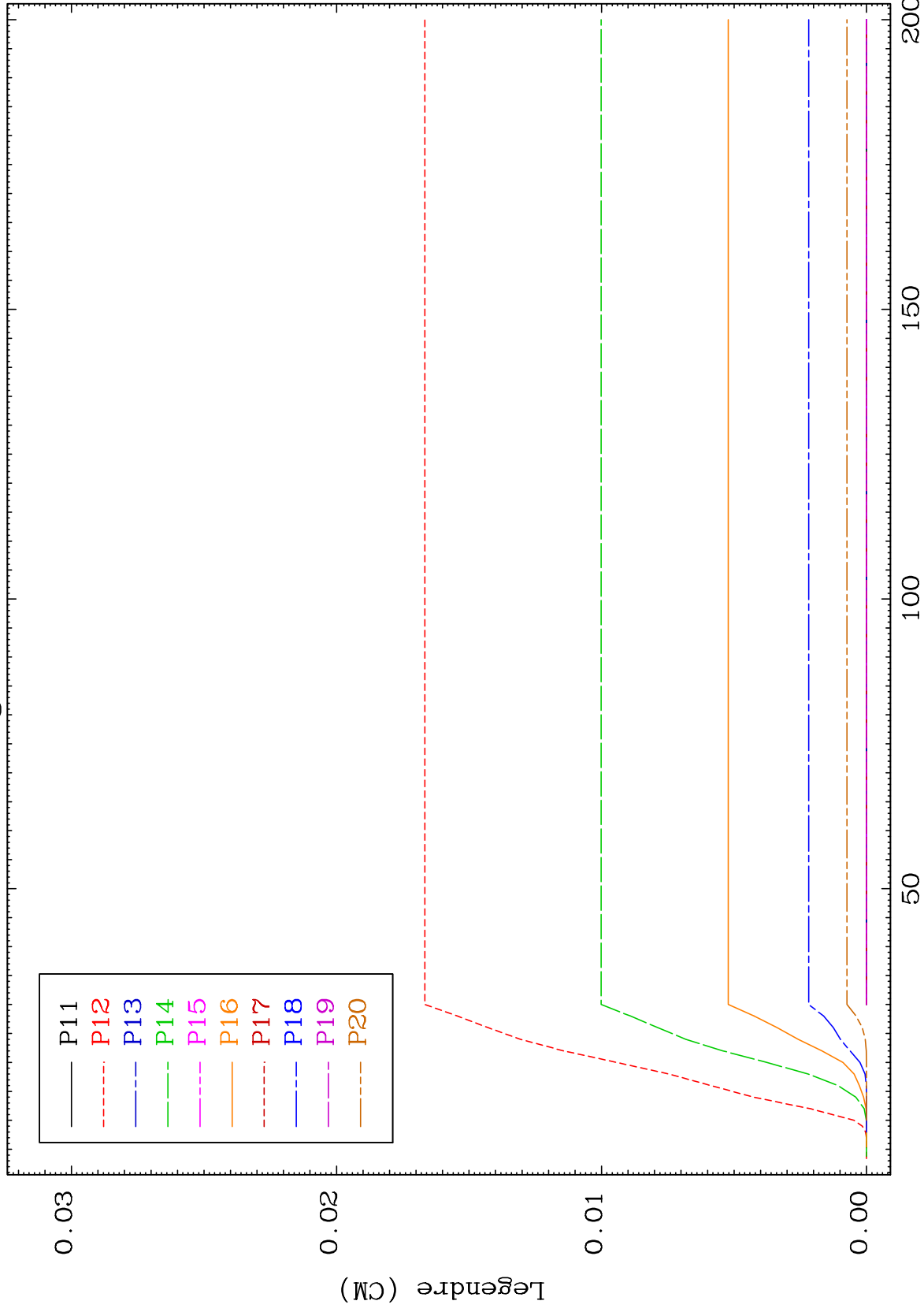
68-Er-172



MAT 6855

MT= 78 (n,n') Level
Legendre Coefficients

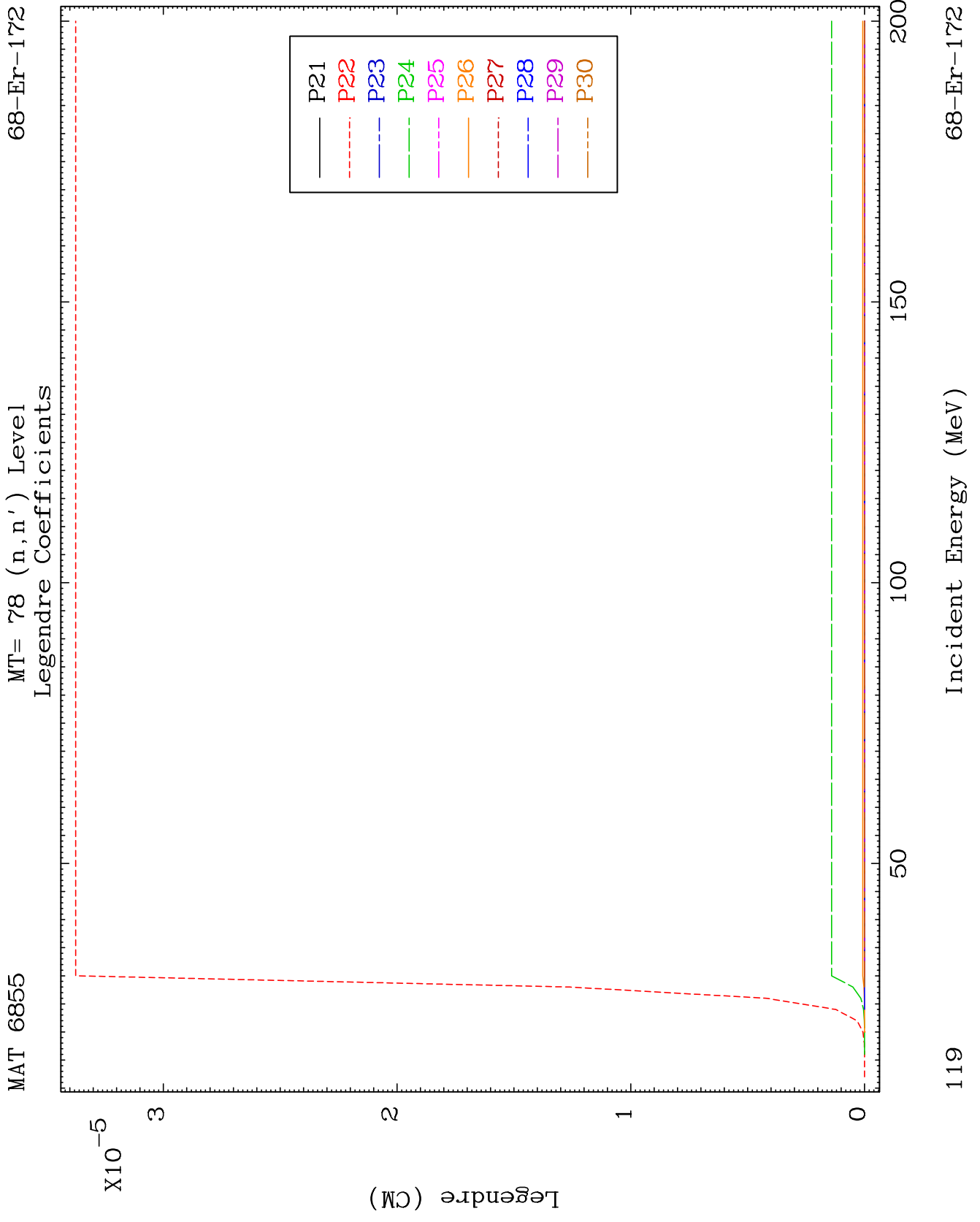
68-Er-172



118

Incident Energy (MeV)

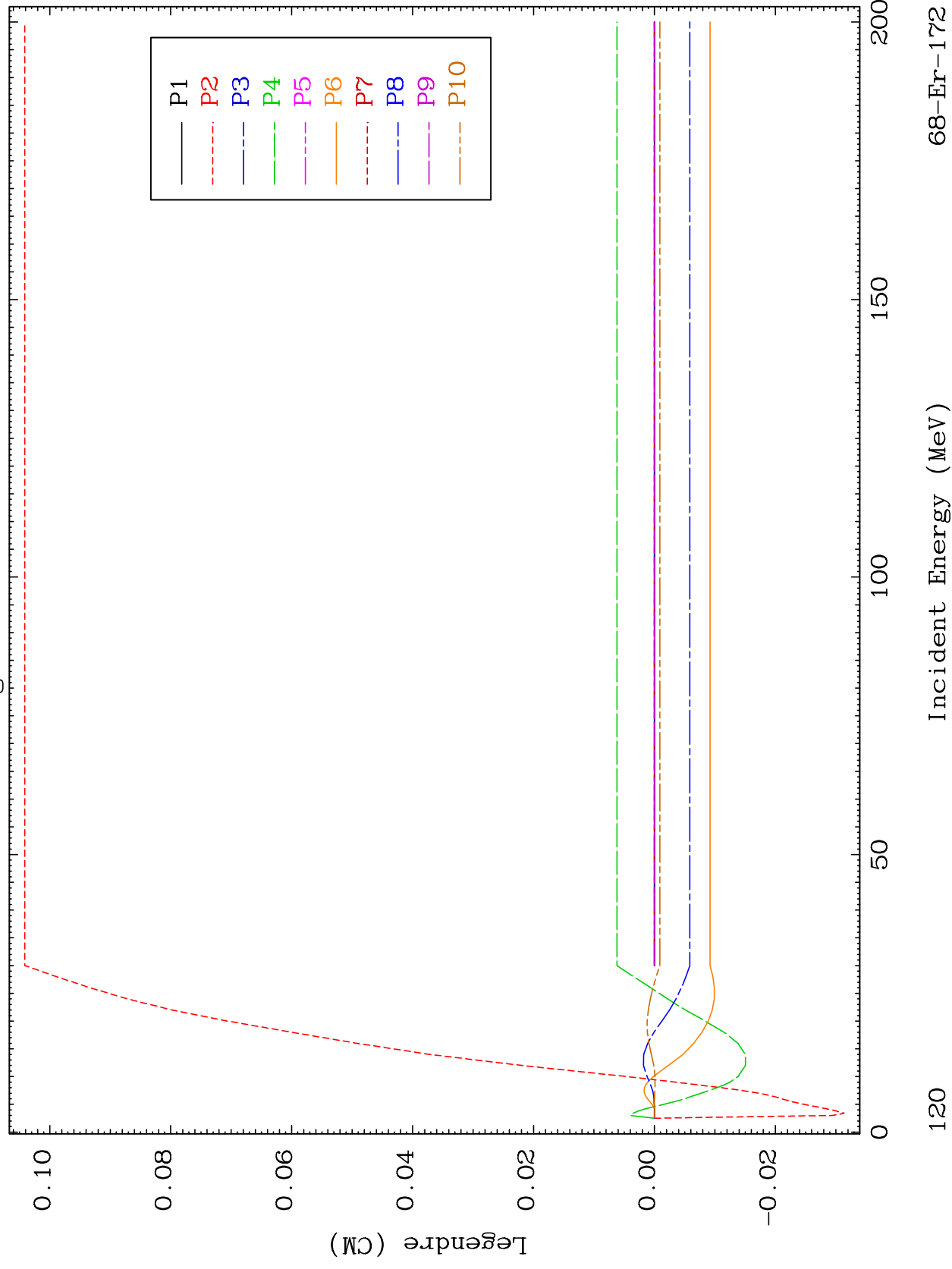
68-Er-172



MAT 6855

MT= 79 (n,n') Level
Legendre Coefficients

68-Er-172



68-Er-172

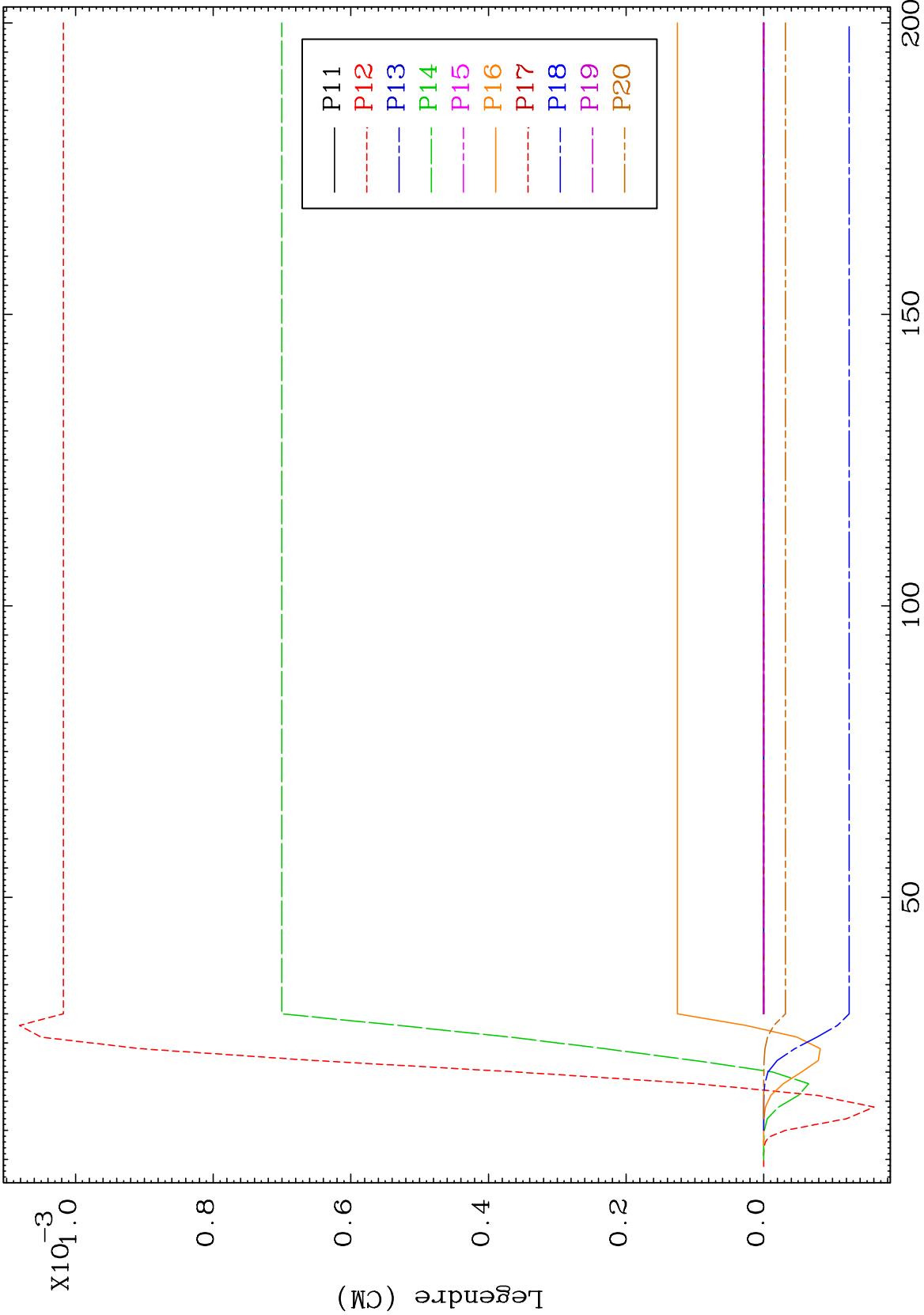
Incident Energy (MeV)

120

MAT 6855

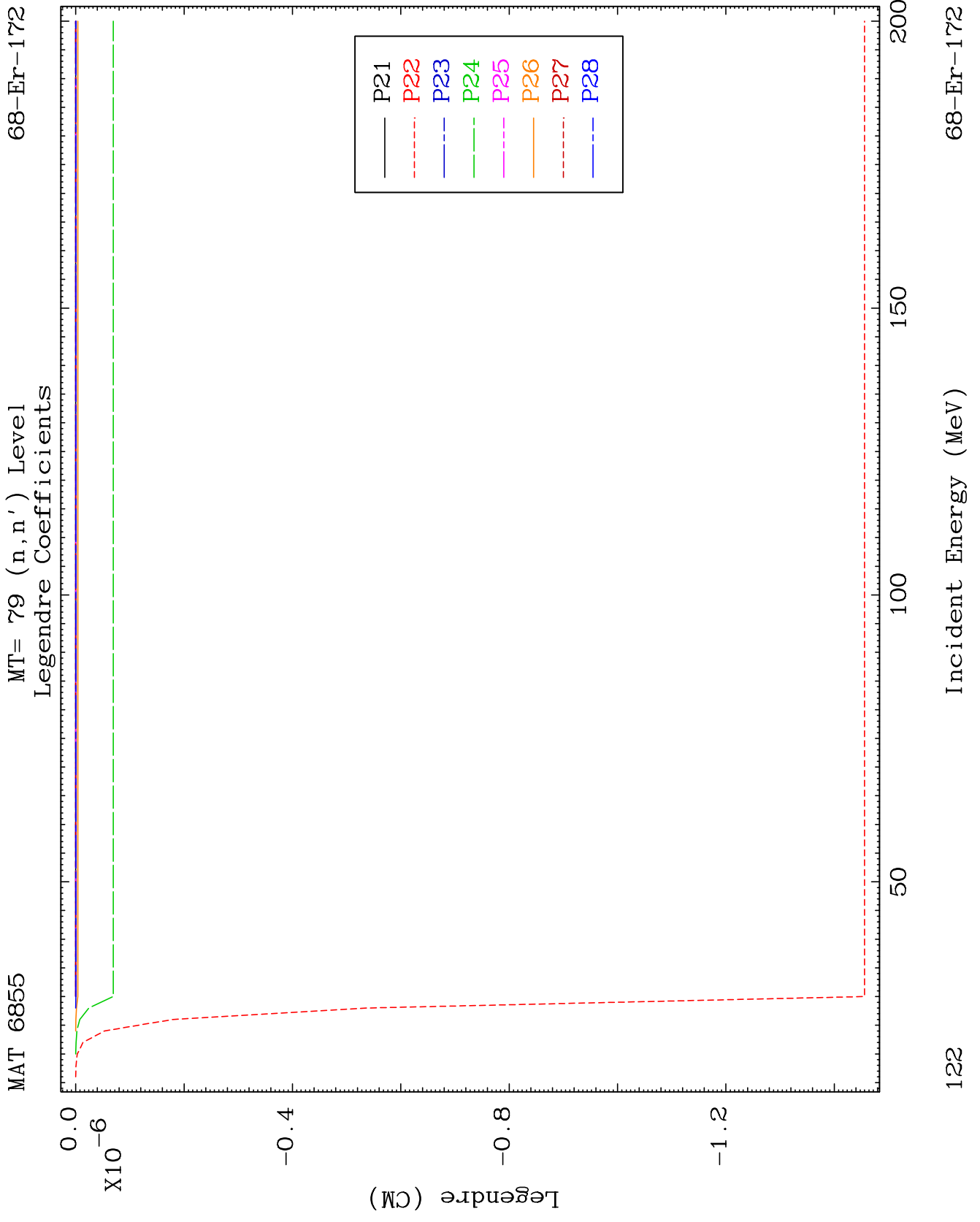
MT= 79 (n,n') Level
Legendre Coefficients

68-Er-172



121

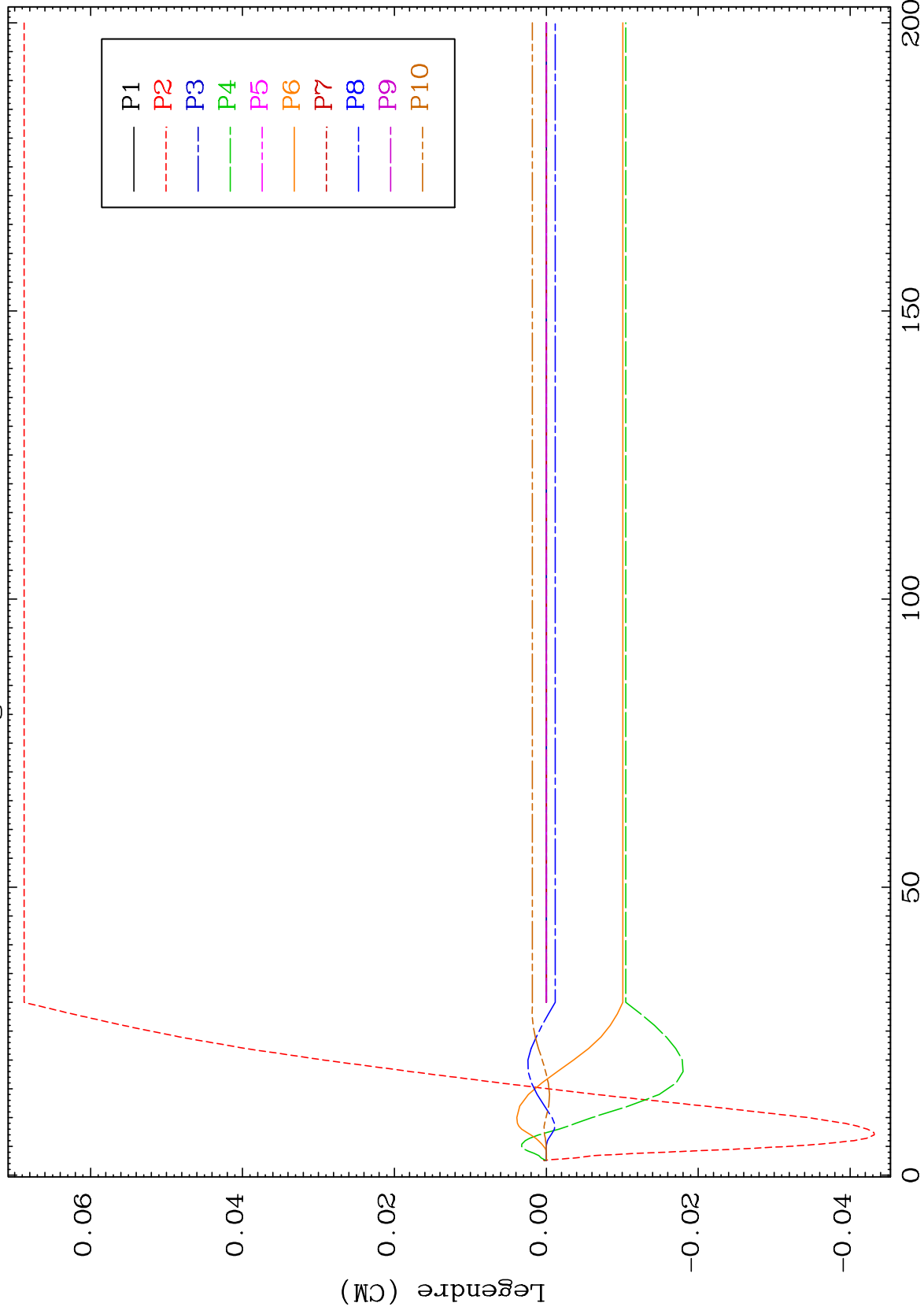
68-Er-172



MAT 6855

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

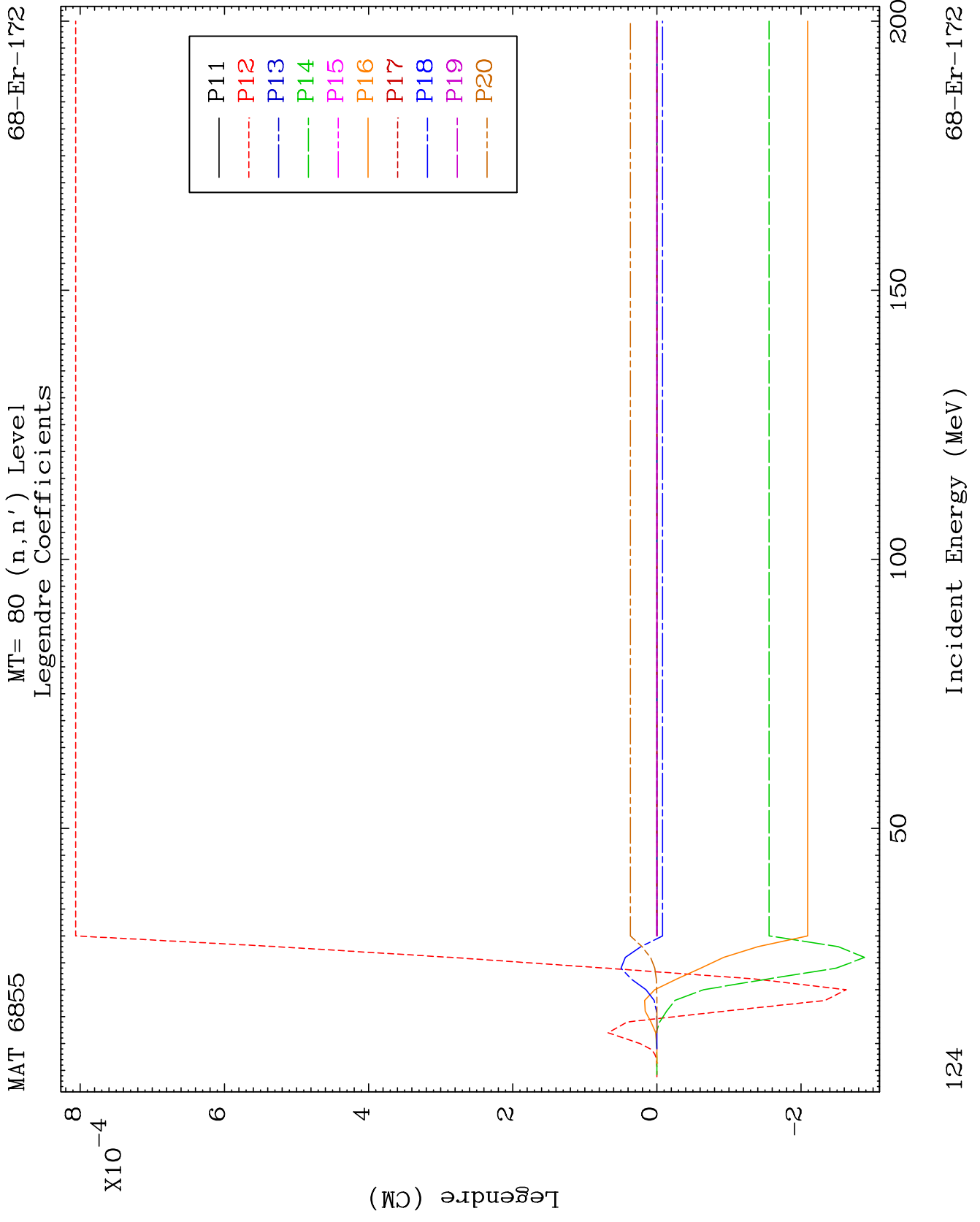
68-Er-172

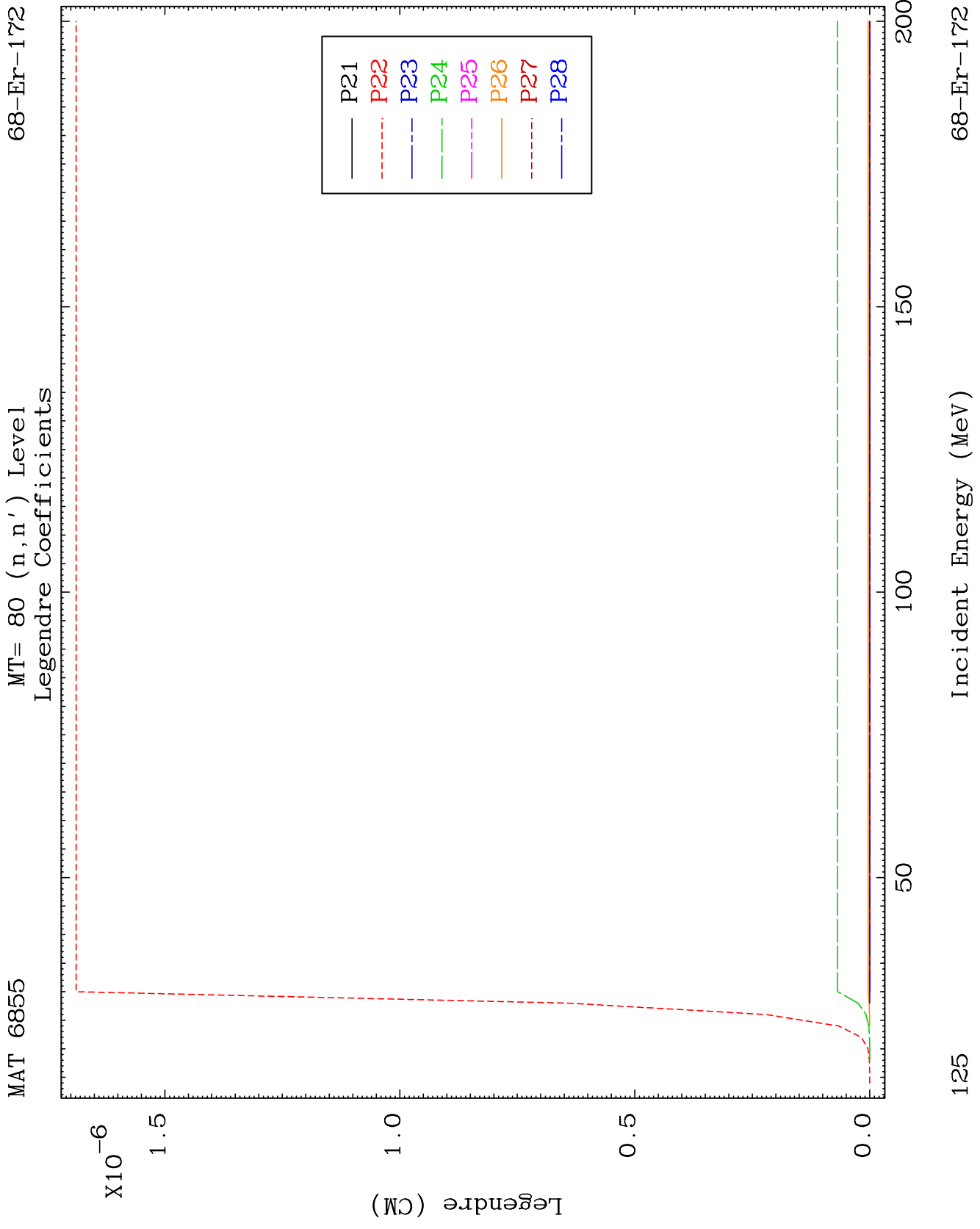


123

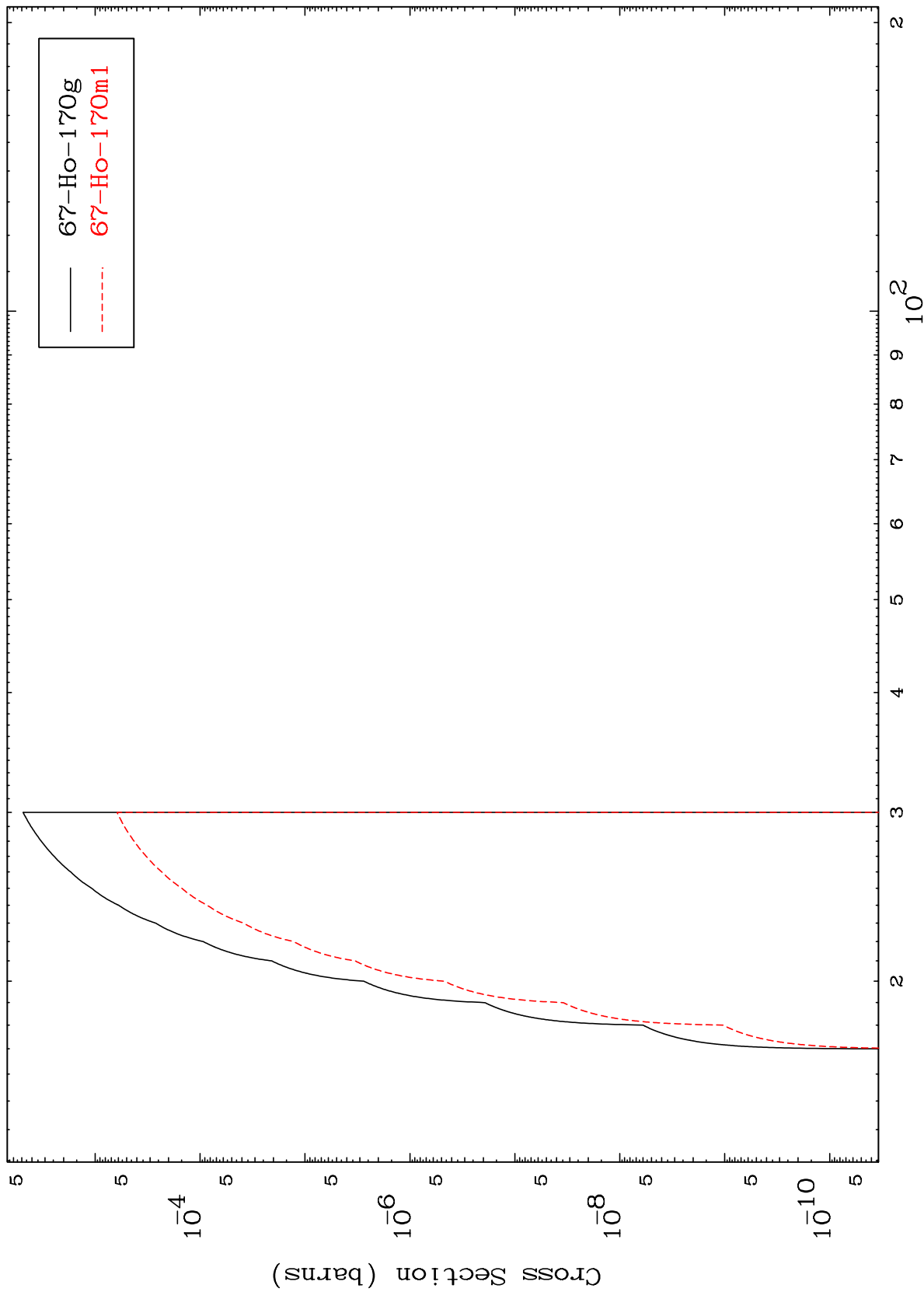
Incident Energy (MeV)

68-Er-172

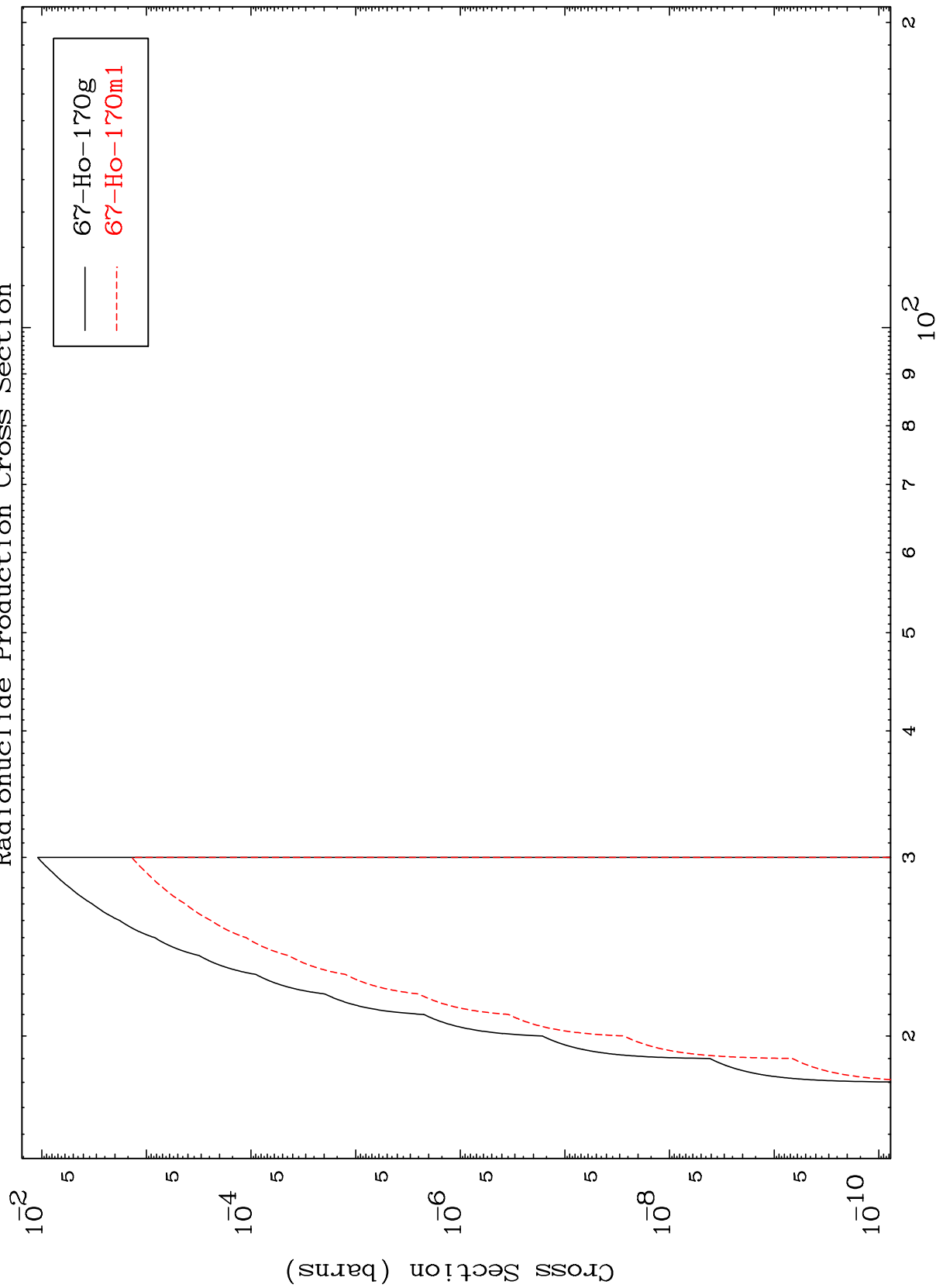




Radionuclide Production Cross Section



Radionuclide Production Cross Section

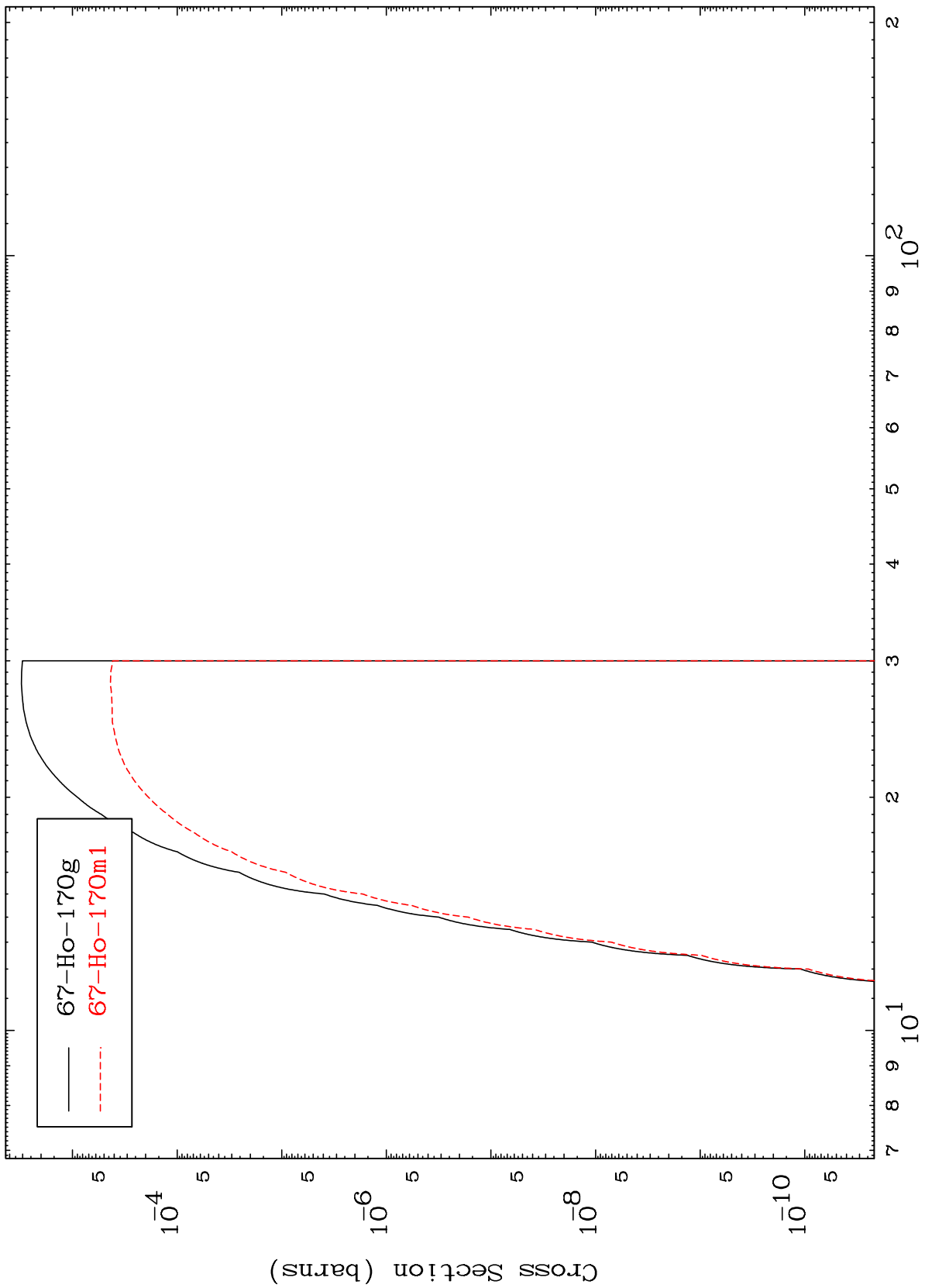


67-Ho-170g
67-Ho-170m1

MAT 6855

68-Er-172

(n, t)
Radionuclide Production Cross Section



67-Ho-170g
67-Ho-170m1

68-Er-172

Incident Energy (MeV)

128