

Program EVALPLOT
(Version 2017-1)

by

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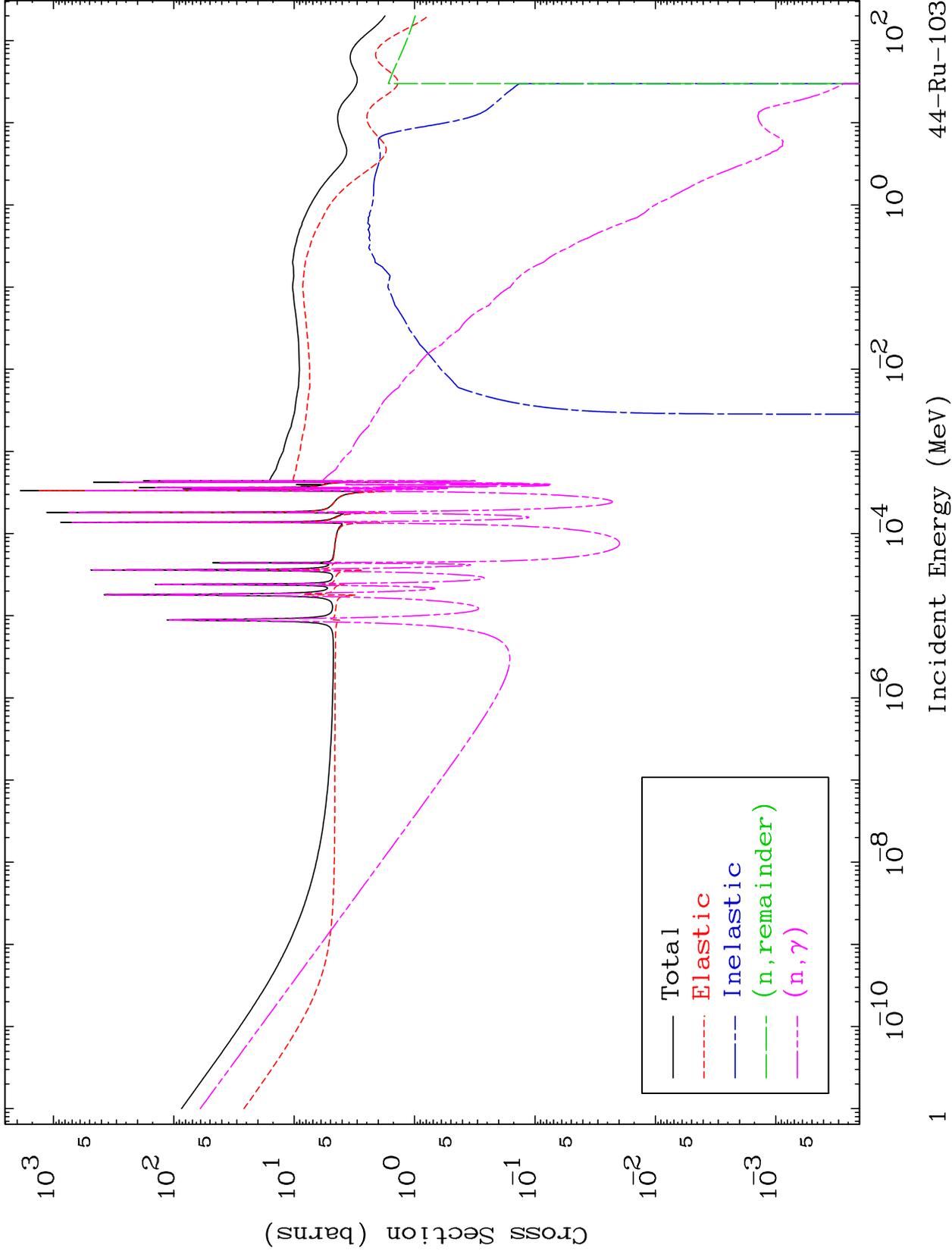
Press Mouse Button to Start

MAT 4446

Major

44-Ru-103

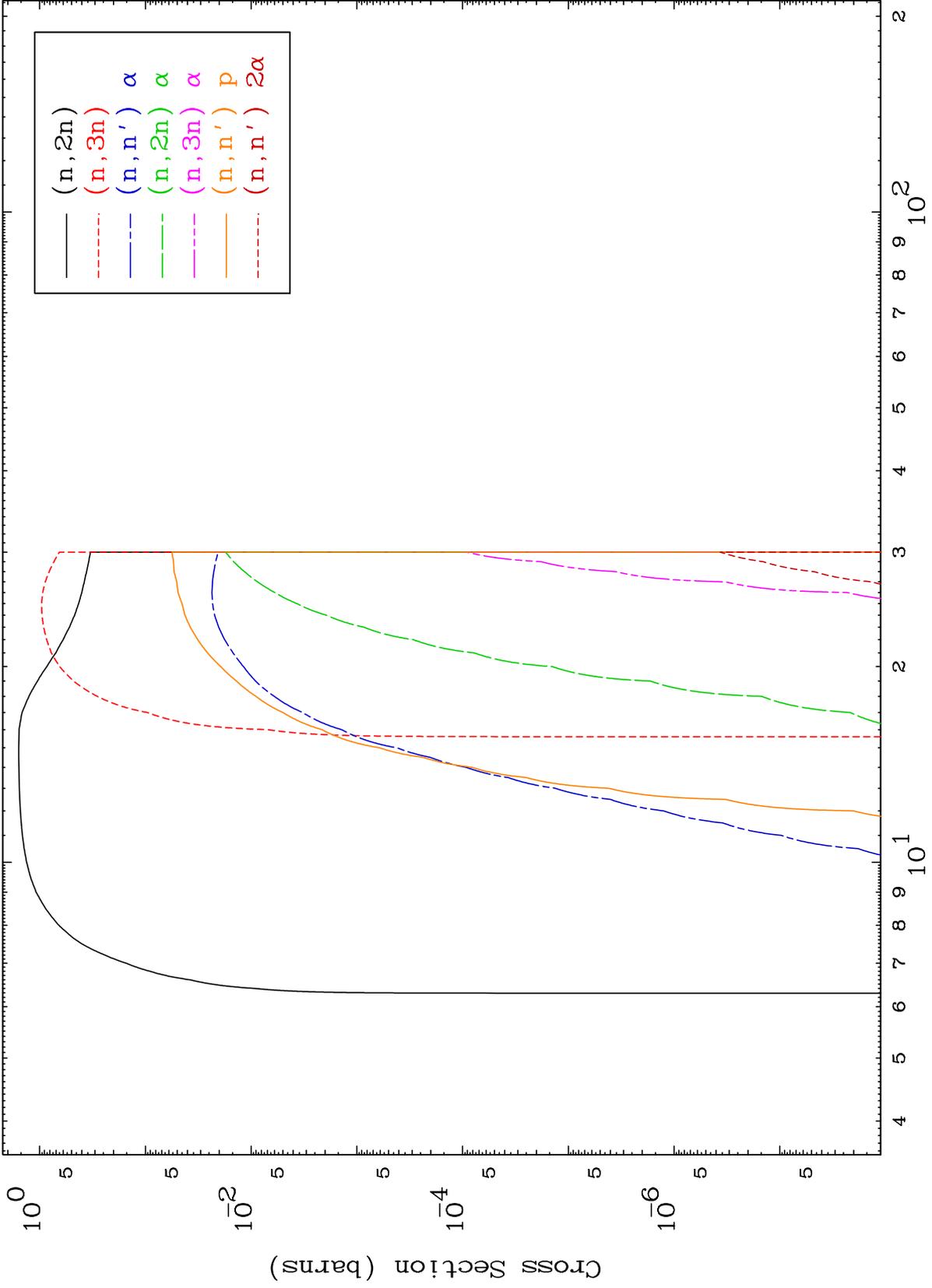
293 Kelvin Cross Sections



MAT 4446

Neutron Production
293 Kelvin Cross Sections

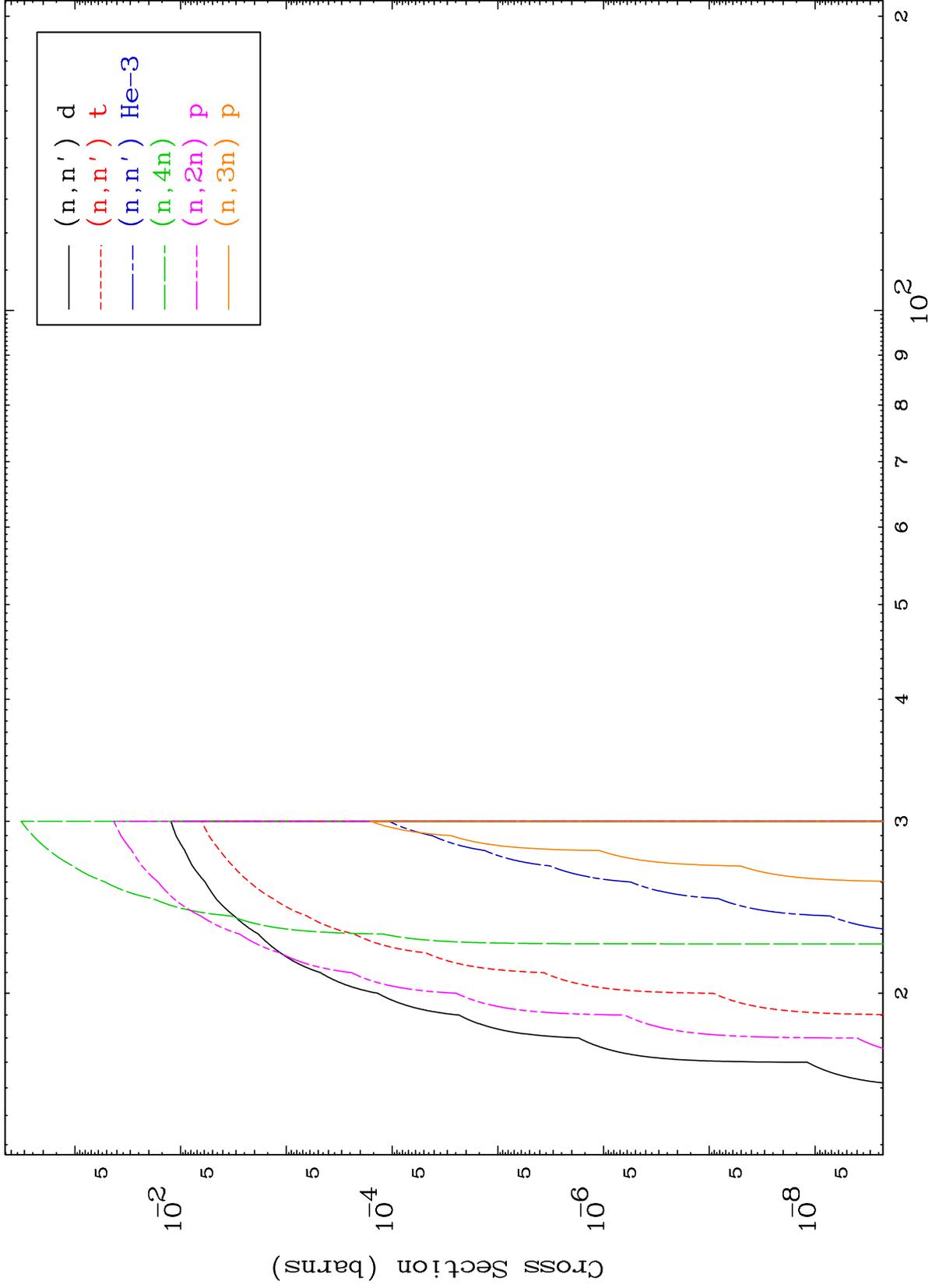
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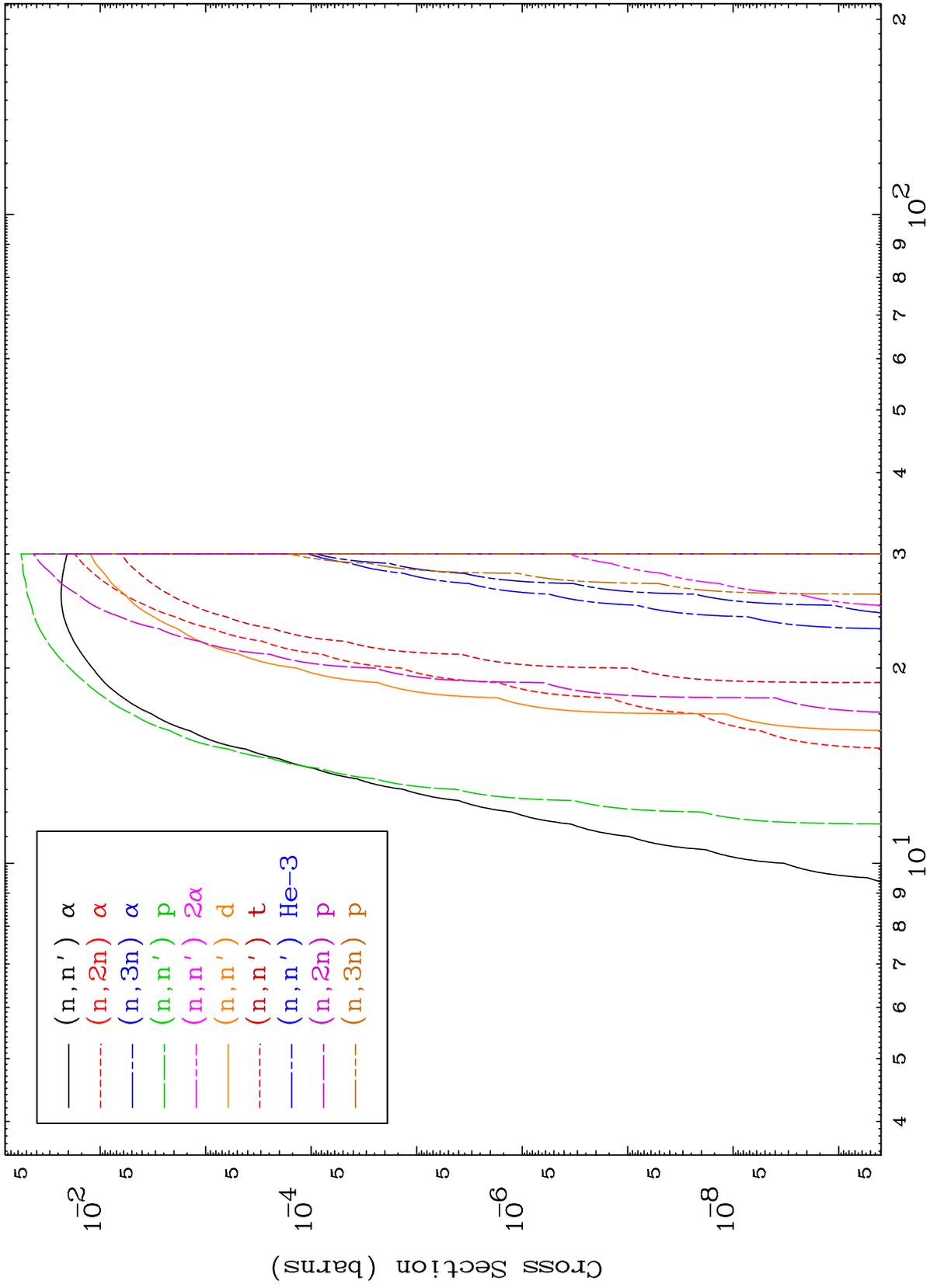


2

Incident Energy (MeV)

44-Ru-103

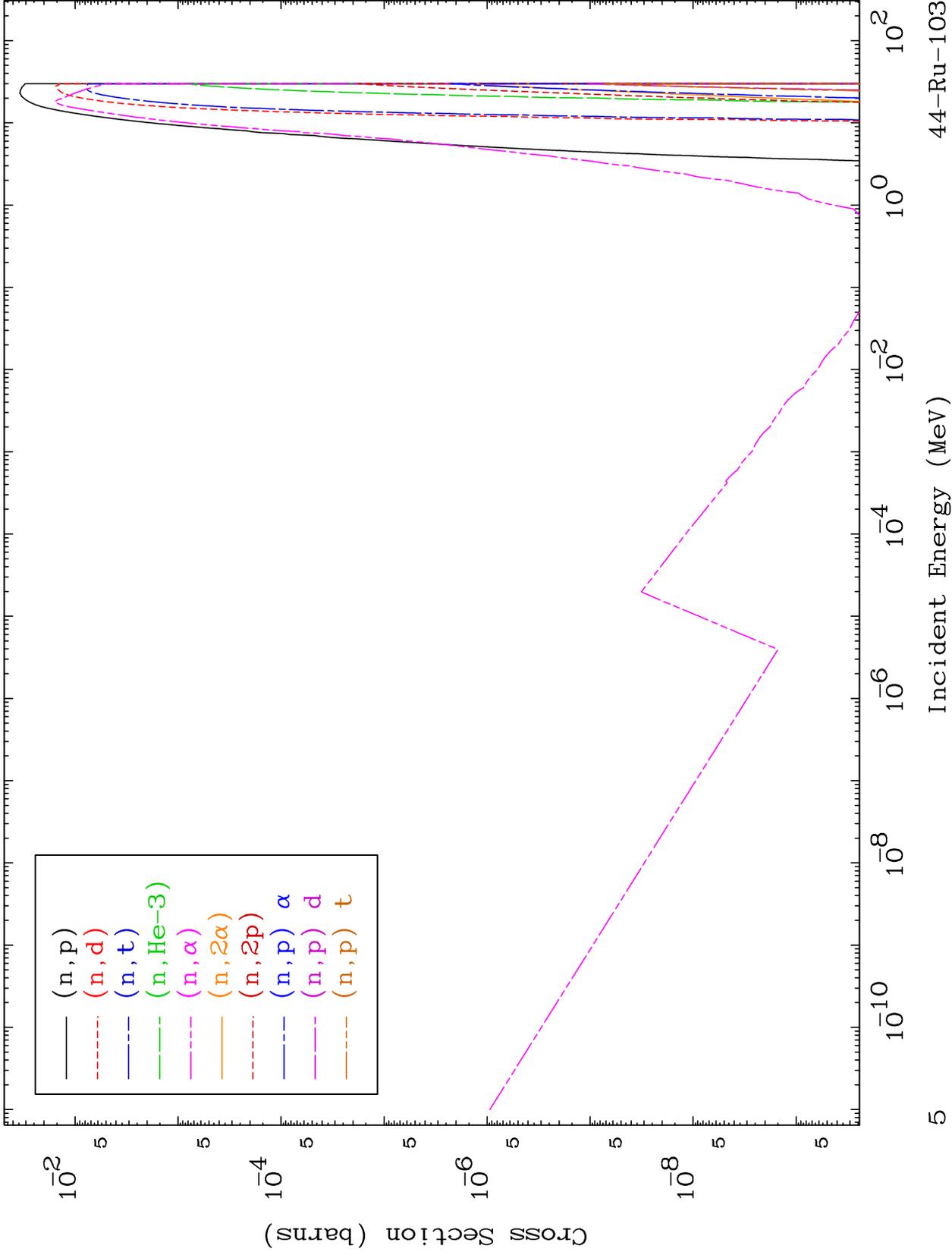




MAT 4446

Charged Particle
293 Kelvin Cross Sections

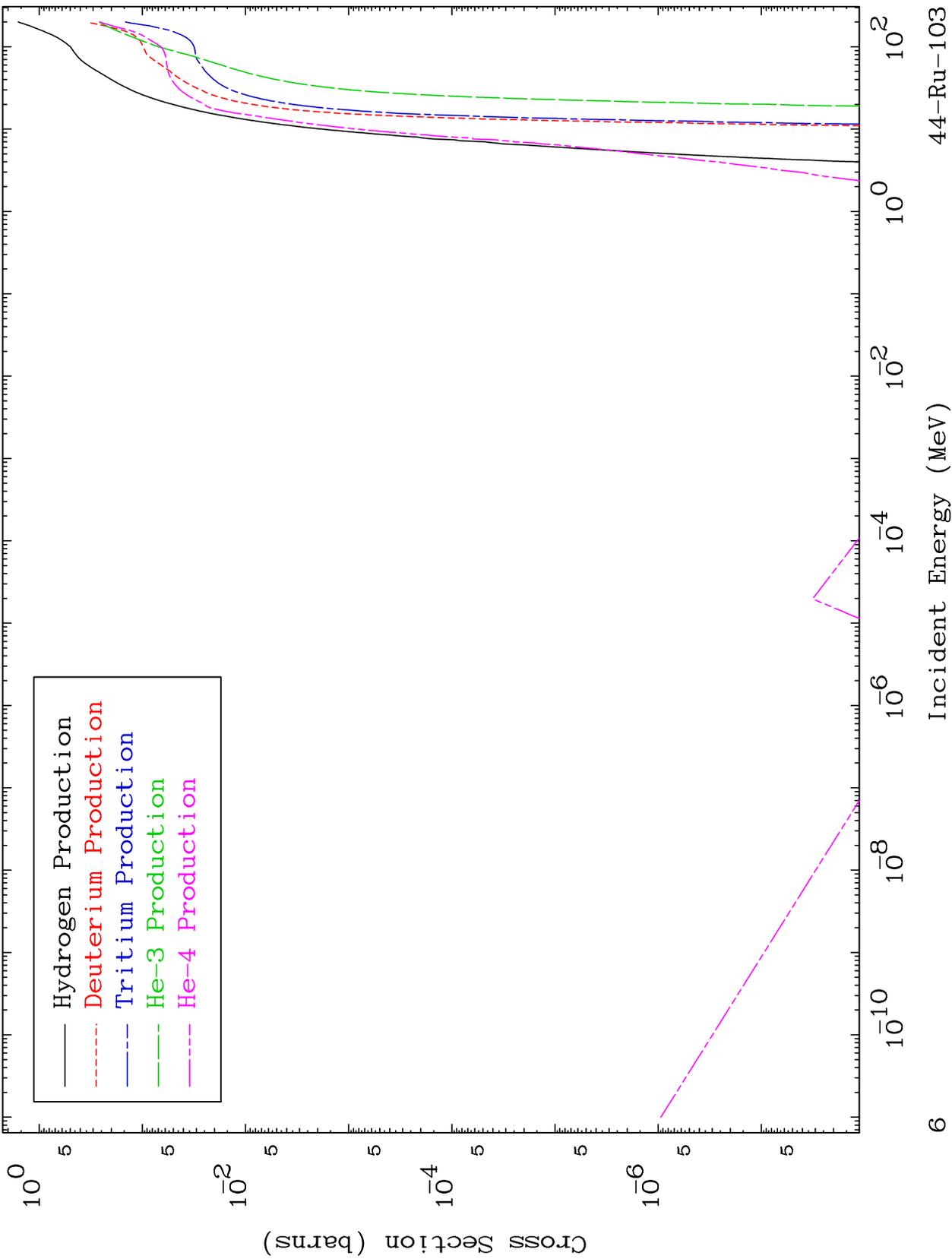
44-Ru-103



MAT 4446

Particle Production
293 Kelvin Cross Sections

44-Ru-103

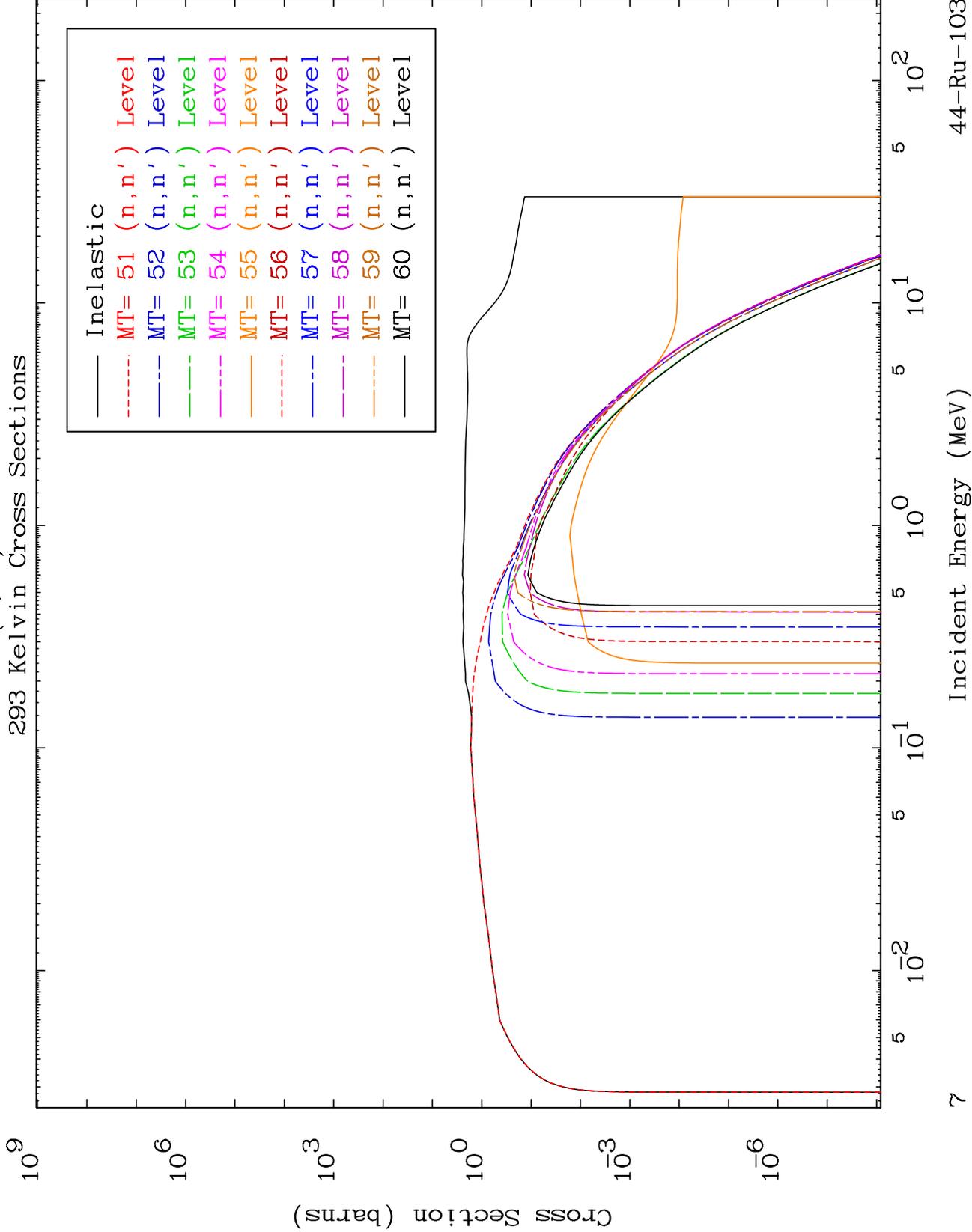


MAT 4446

(n,n') Level

293 Kelvin Cross Sections

44-Ru-103

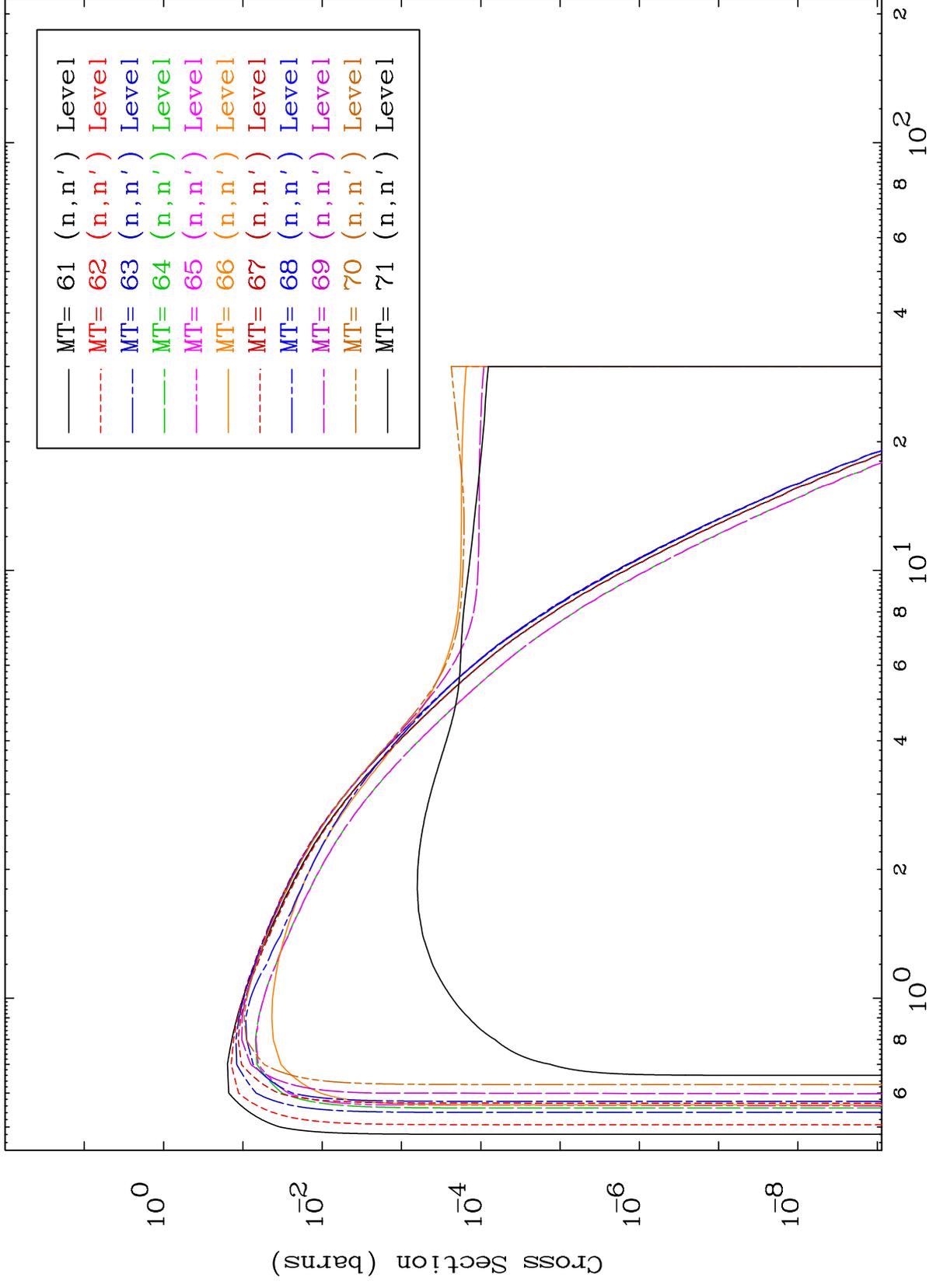


MAT 4446

(n,n') Level

293 Kelvin Cross Sections

44-Ru-103



8

Incident Energy (MeV)

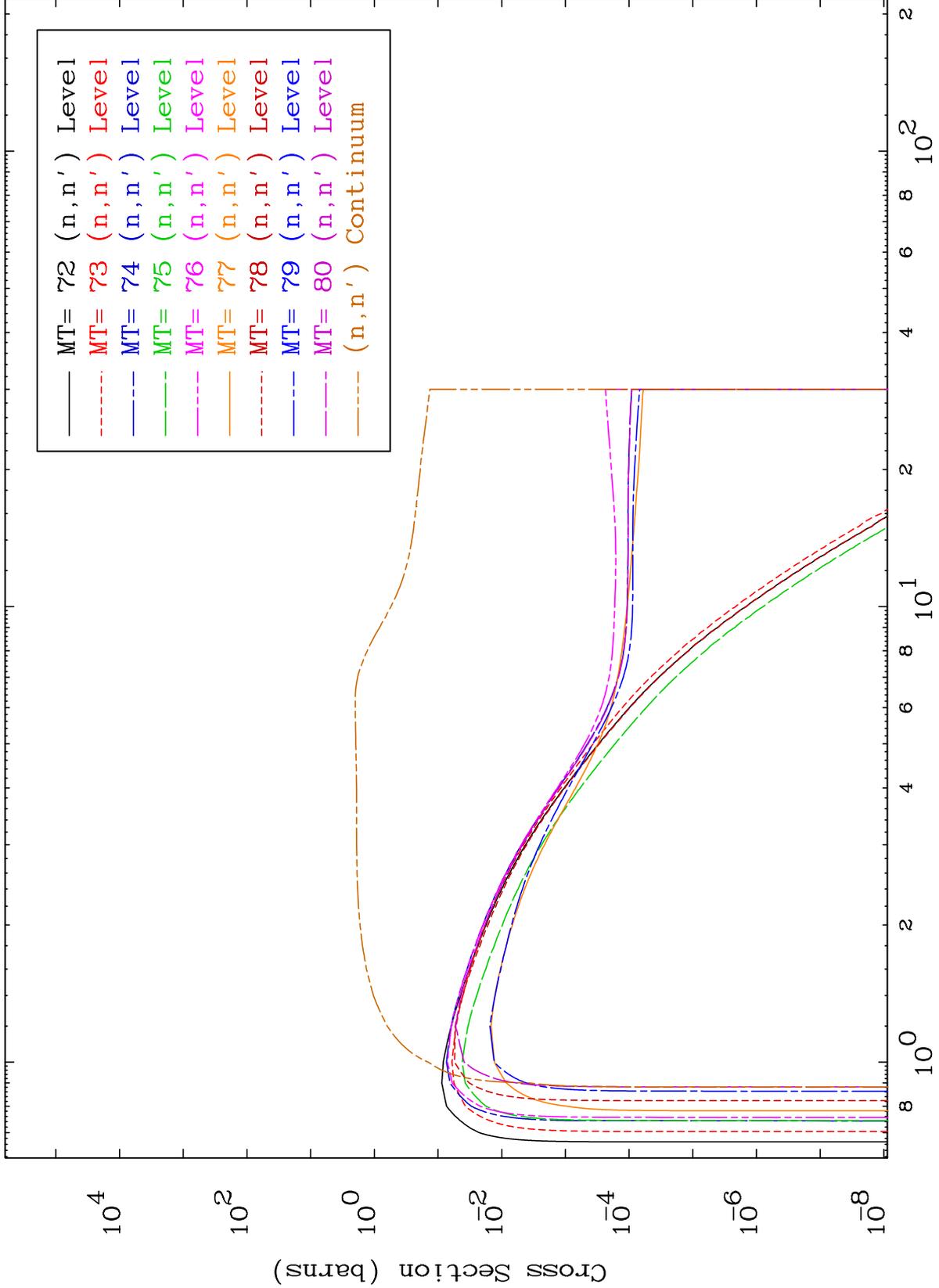
44-Ru-103

MAT 4446

(n,n') Level

44-Ru-103

293 Kelvin Cross Sections



9

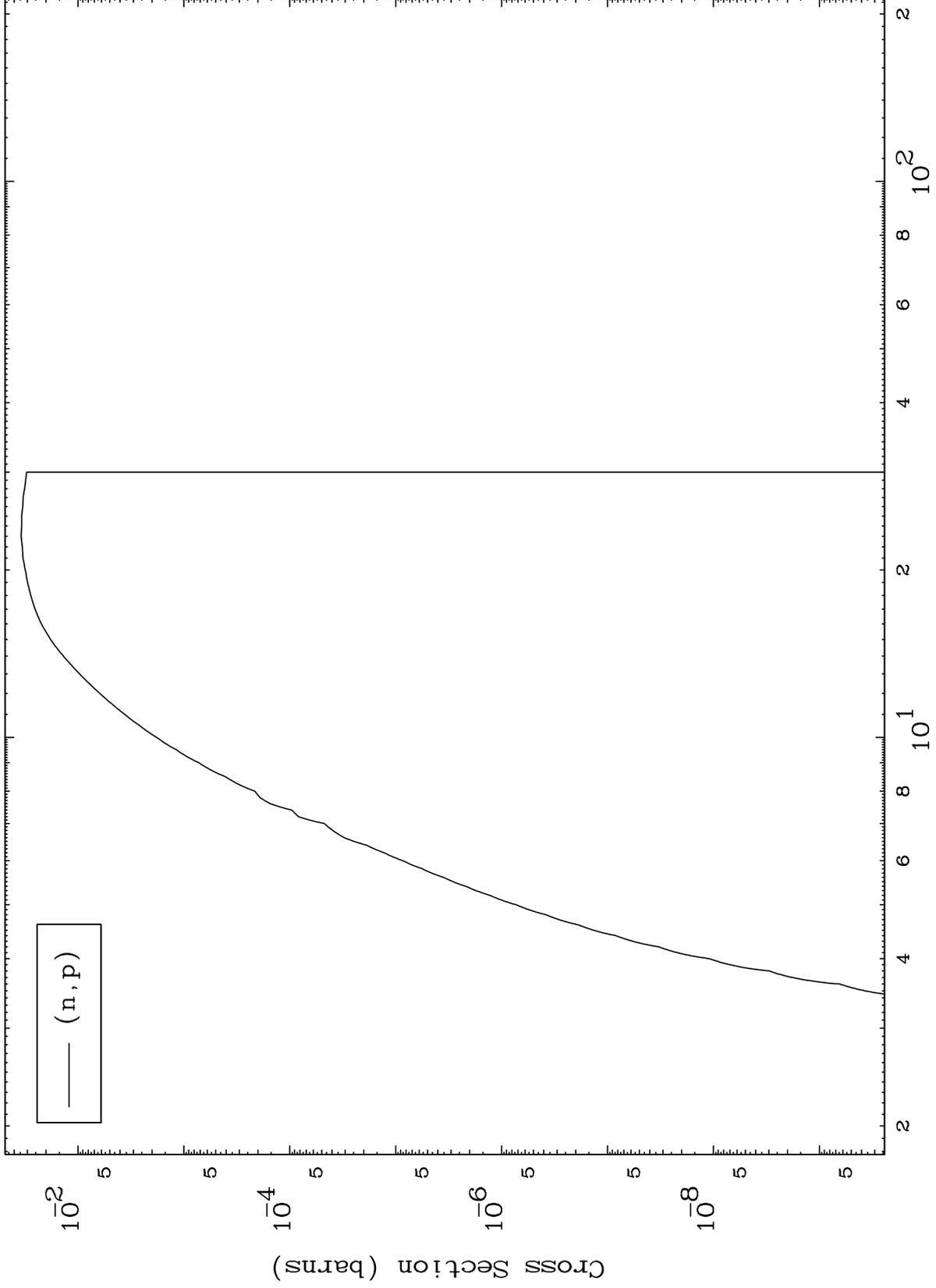
Incident Energy (MeV)

44-Ru-103

MAT 4446

(n,p) Levels
293 Kelvin Cross Sections

44-Ru-103



10

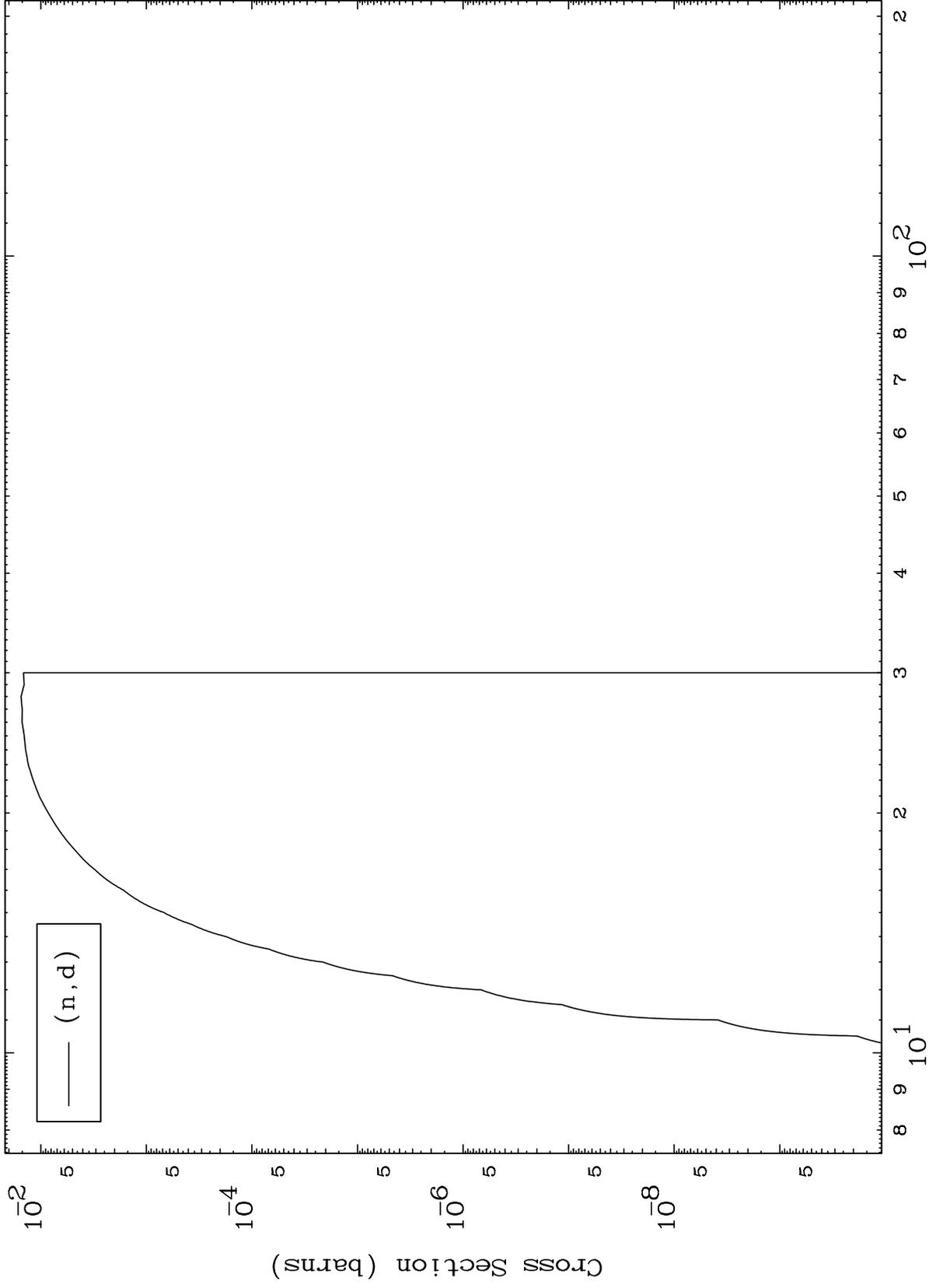
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44-Ru-103

MAT 4446

(n,d) Levels
293 Kelvin Cross Sections

44-Ru-103



11

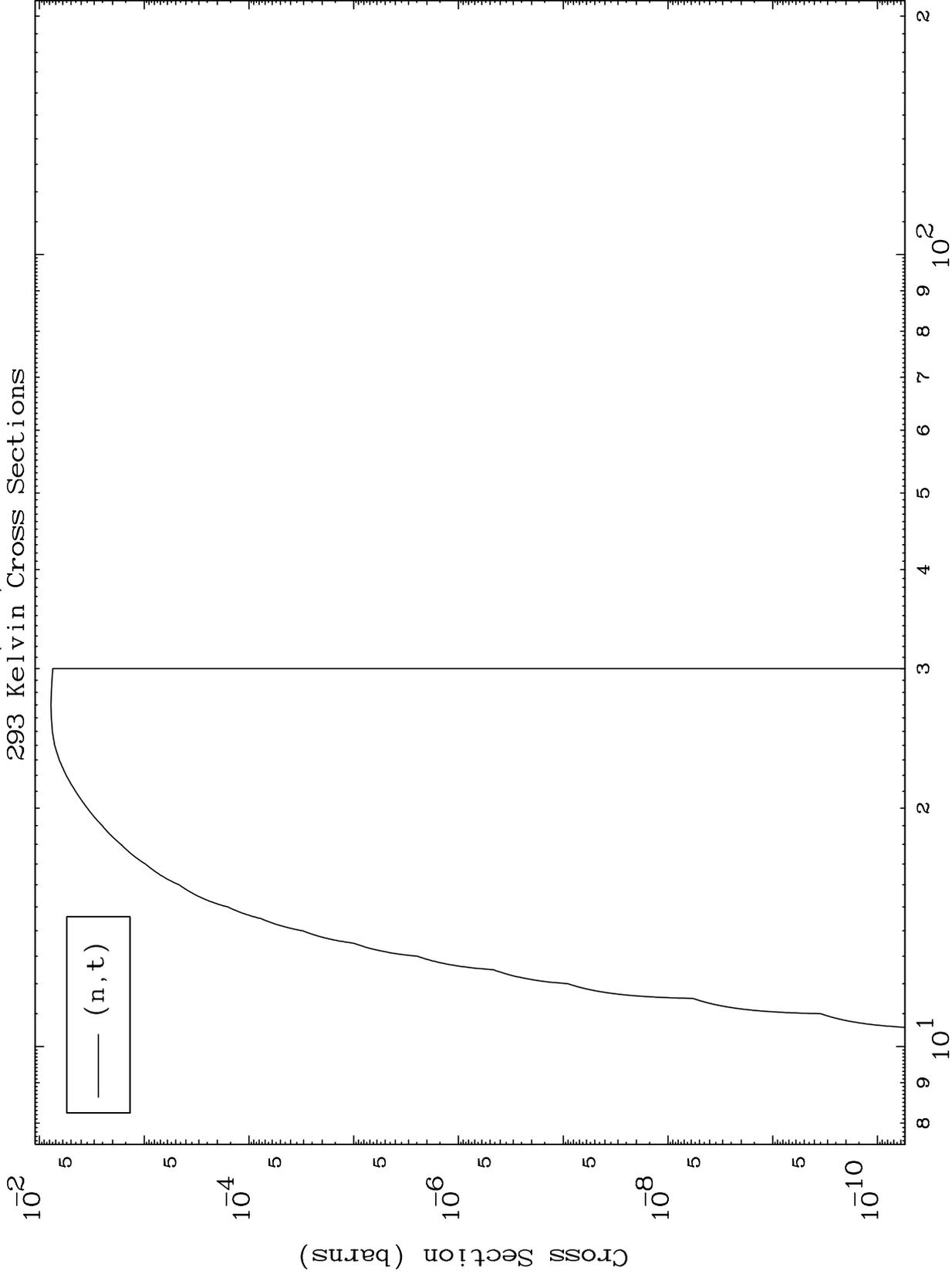
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44-Ru-103

MAT 4446

(n,t) Levels
293 Kelvin Cross Sections

44-Ru-103



12

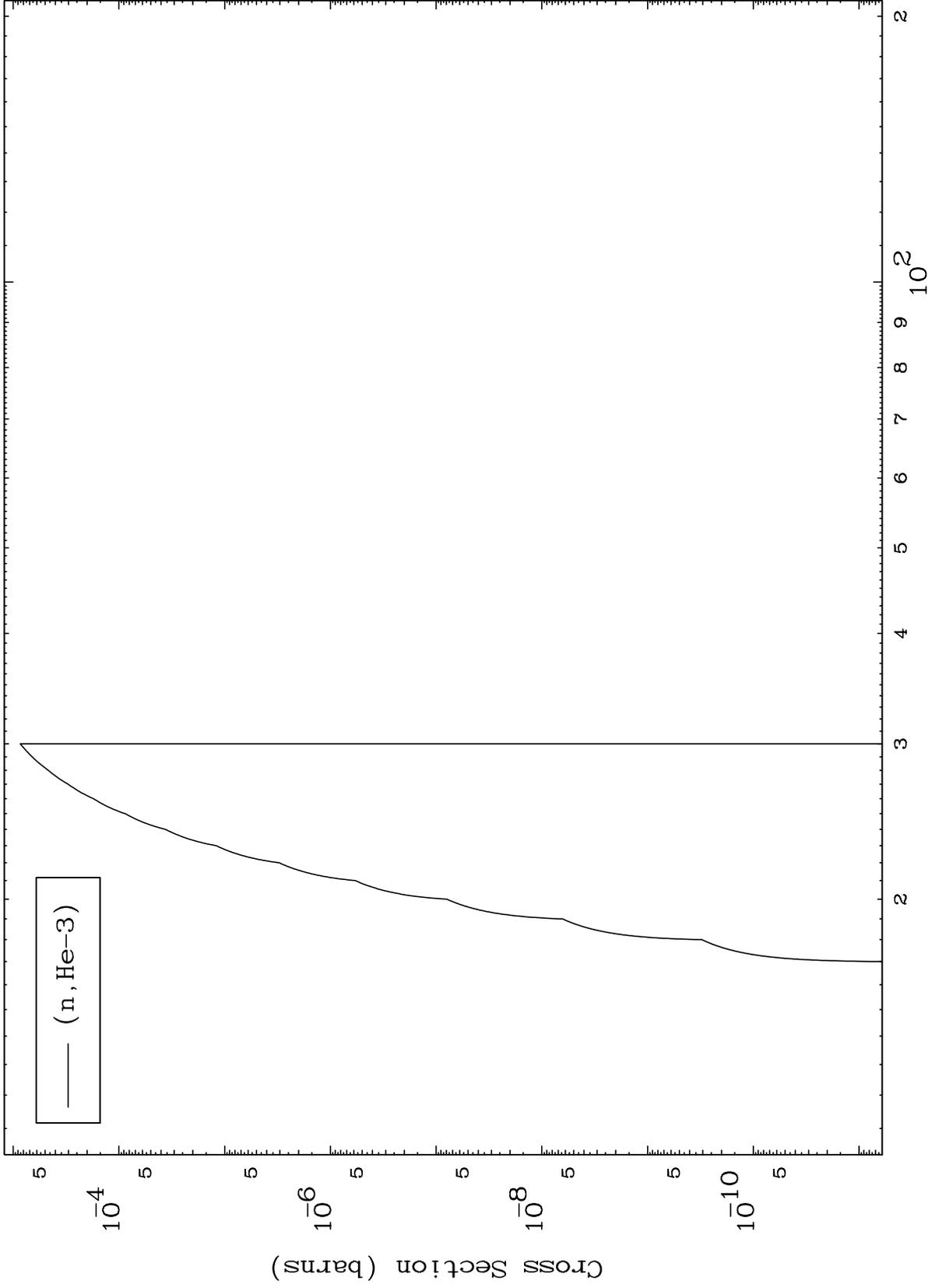
Incident Energy (MeV)

44-Ru-103

MAT 4446

(n,He3) Levels
293 Kelvin Cross Sections

44-Ru-103



13

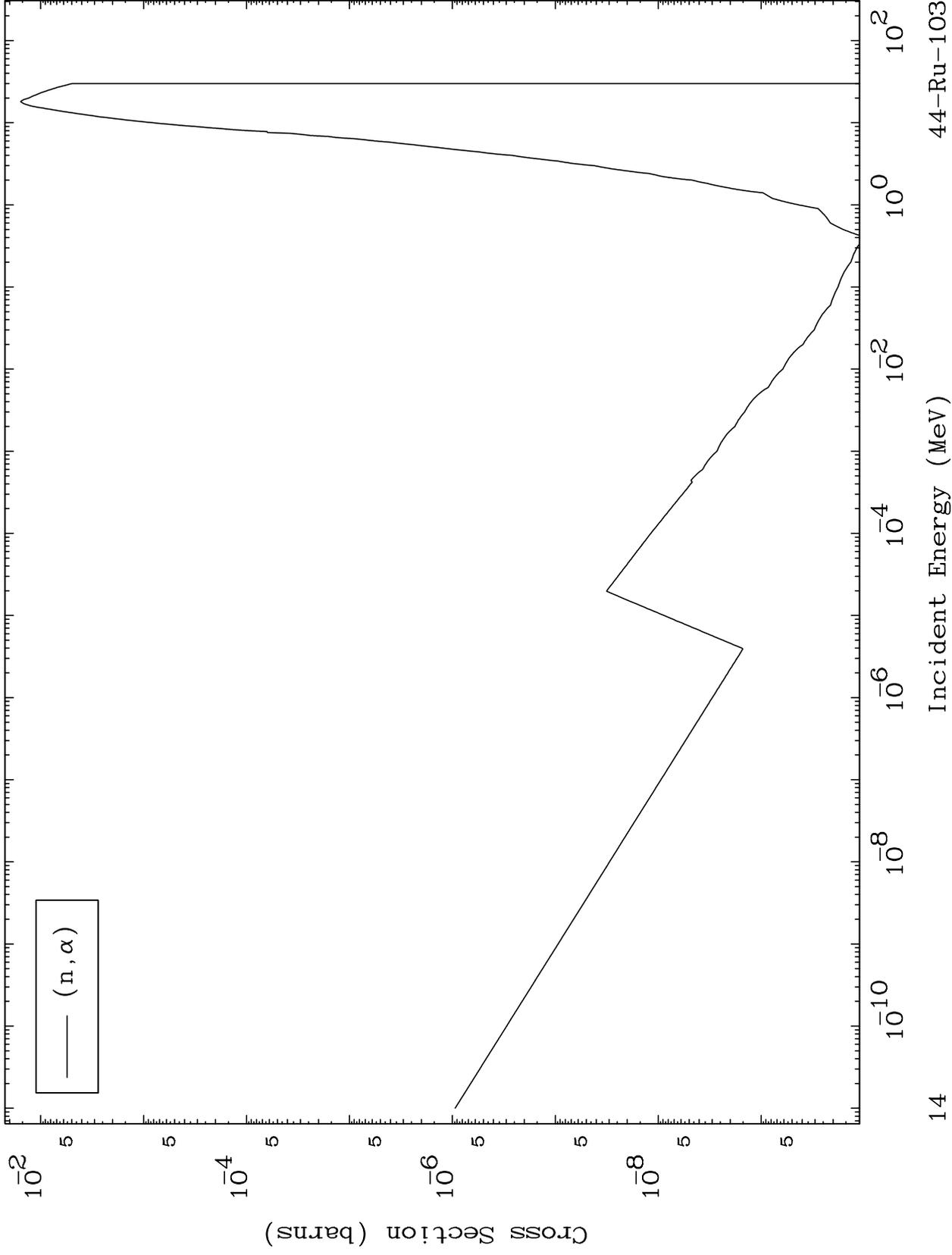
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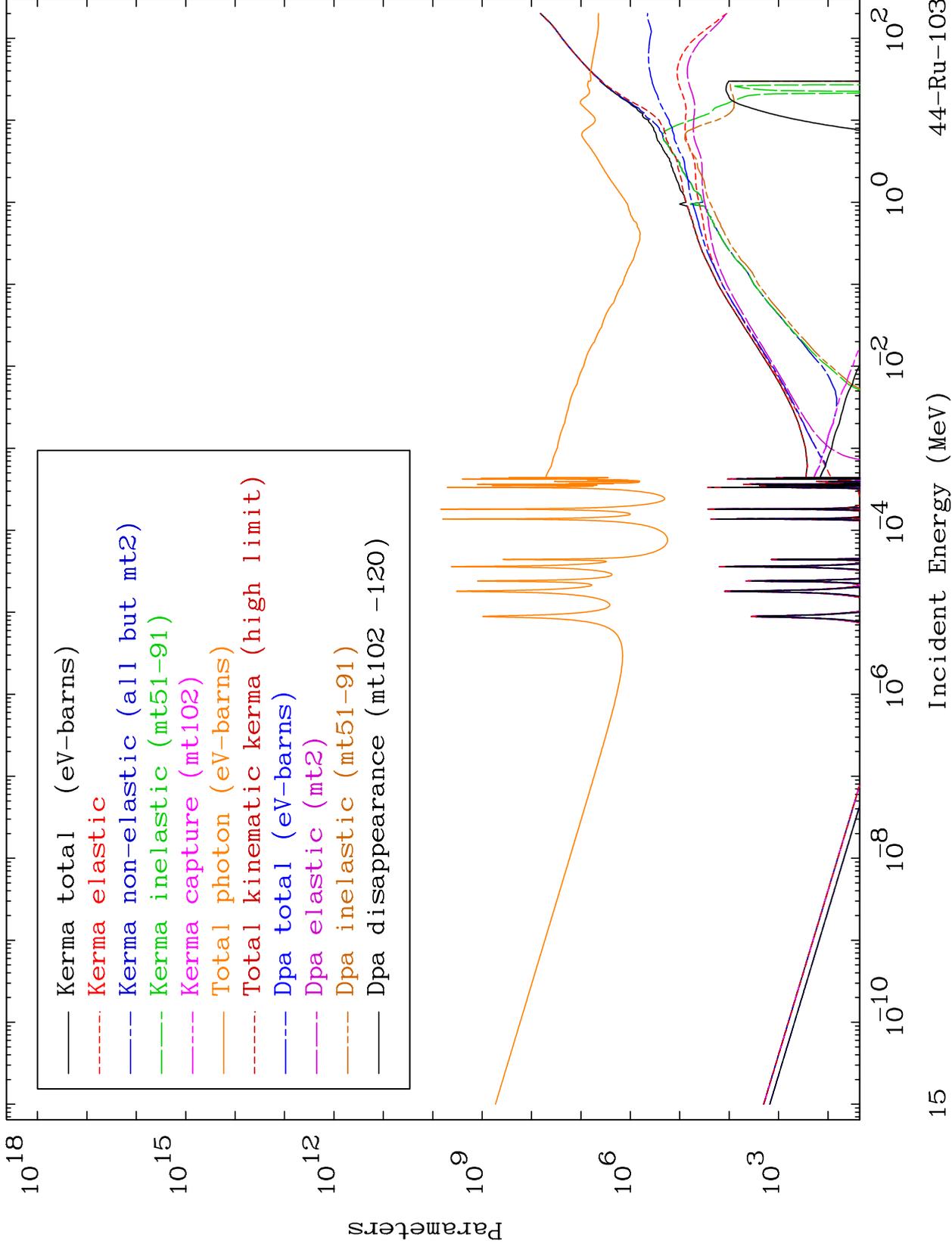
44-Ru-103

MAT 4446

(n, α) Levels
293 Kelvin Cross Sections

44-Ru-103

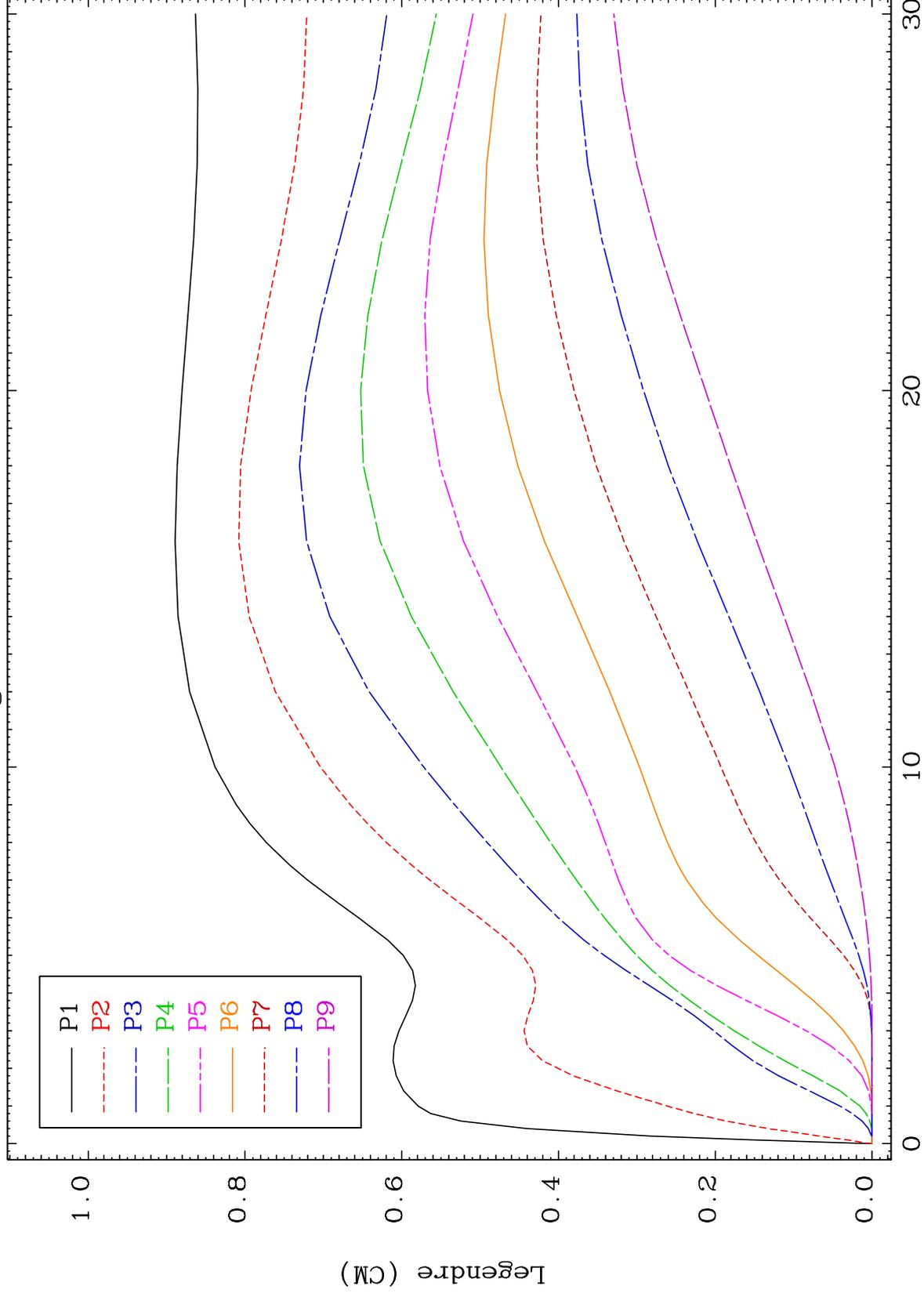




MAT 4446

Elastic Legendre Coefficients

44-Ru-103



16

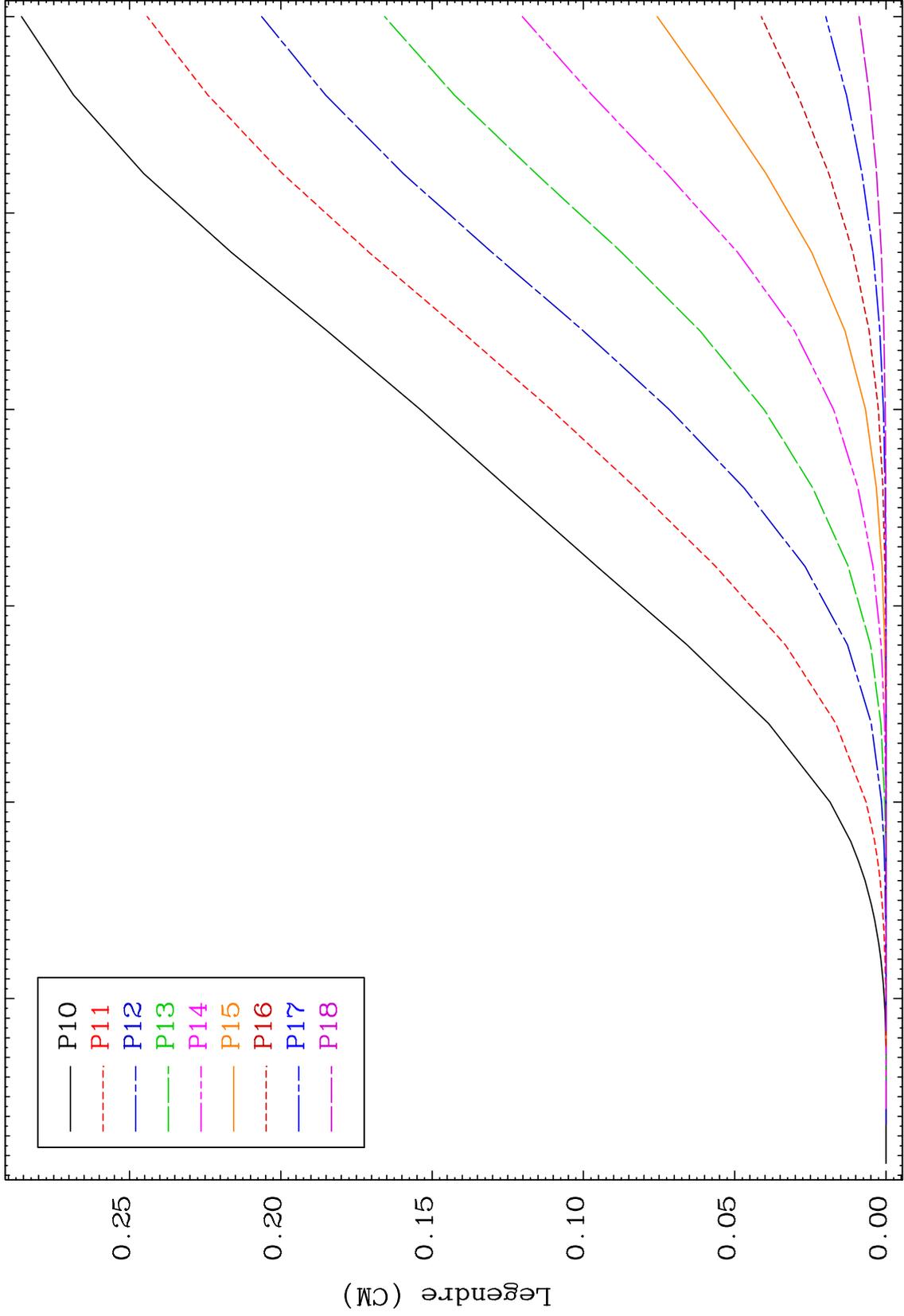
Incident Energy (MeV)

44-Ru-103

MAT 4446

Elastic
Legendre Coefficients

44-Ru-103



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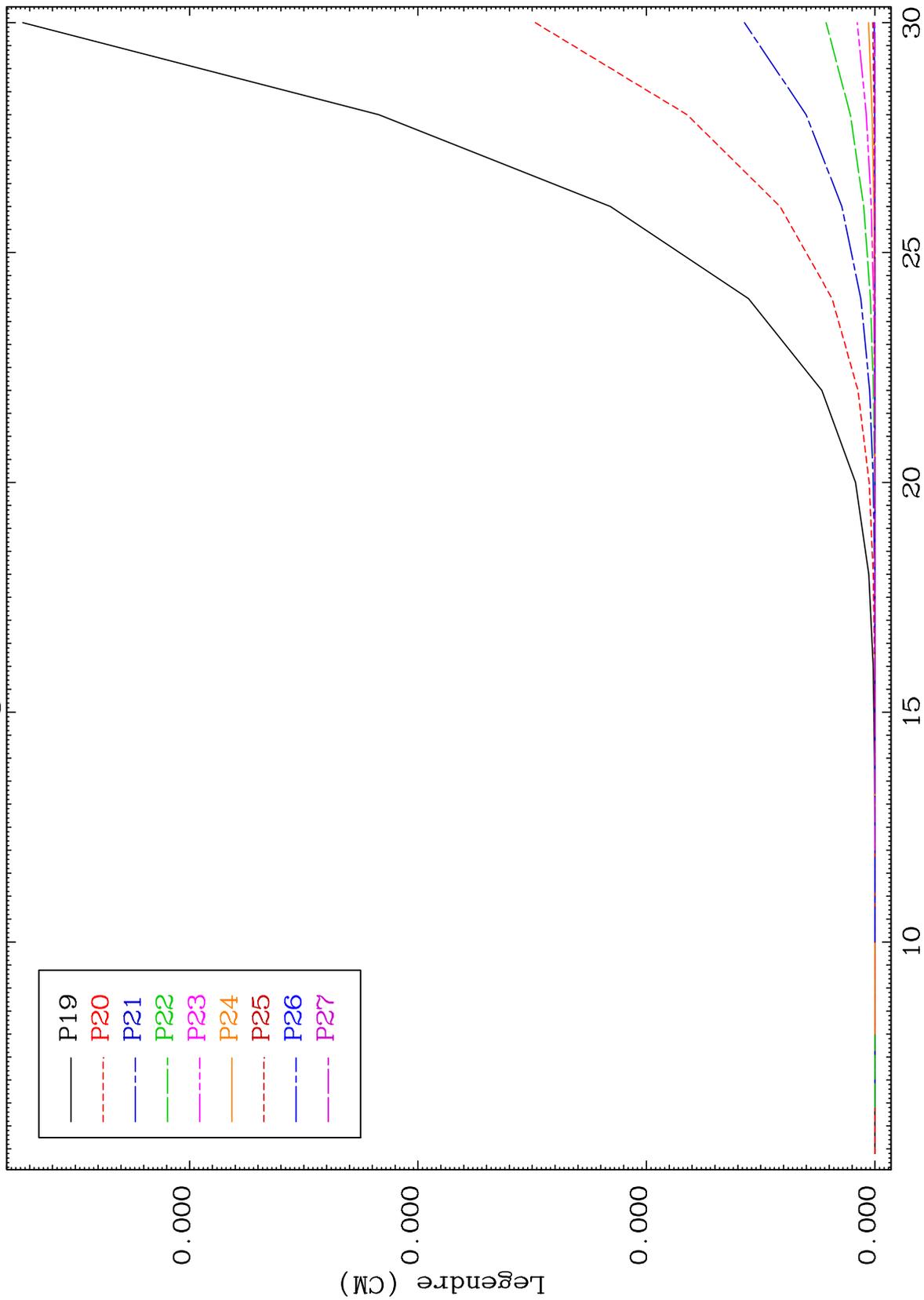
Incident Energy (MeV)

44-Ru-103

MAT 4446

Elastic Legendre Coefficients

44-Ru-103



18

Incident Energy (MeV)

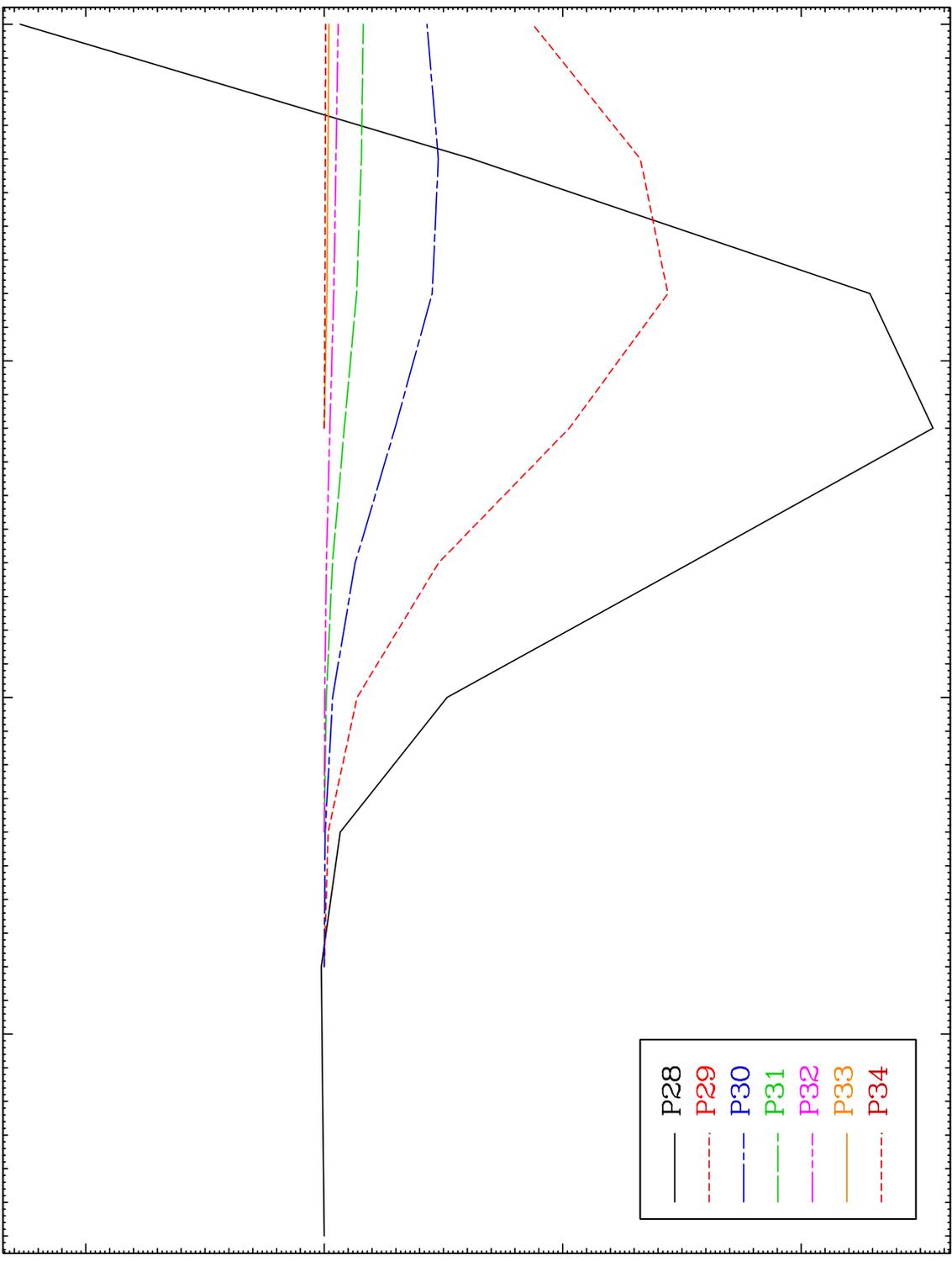
44-Ru-103

MAT 4446

Elastic Legendre Coefficients

44-Ru-103

$\times 10^{-7}$
Legendre (CM)



15

20

25

30

19

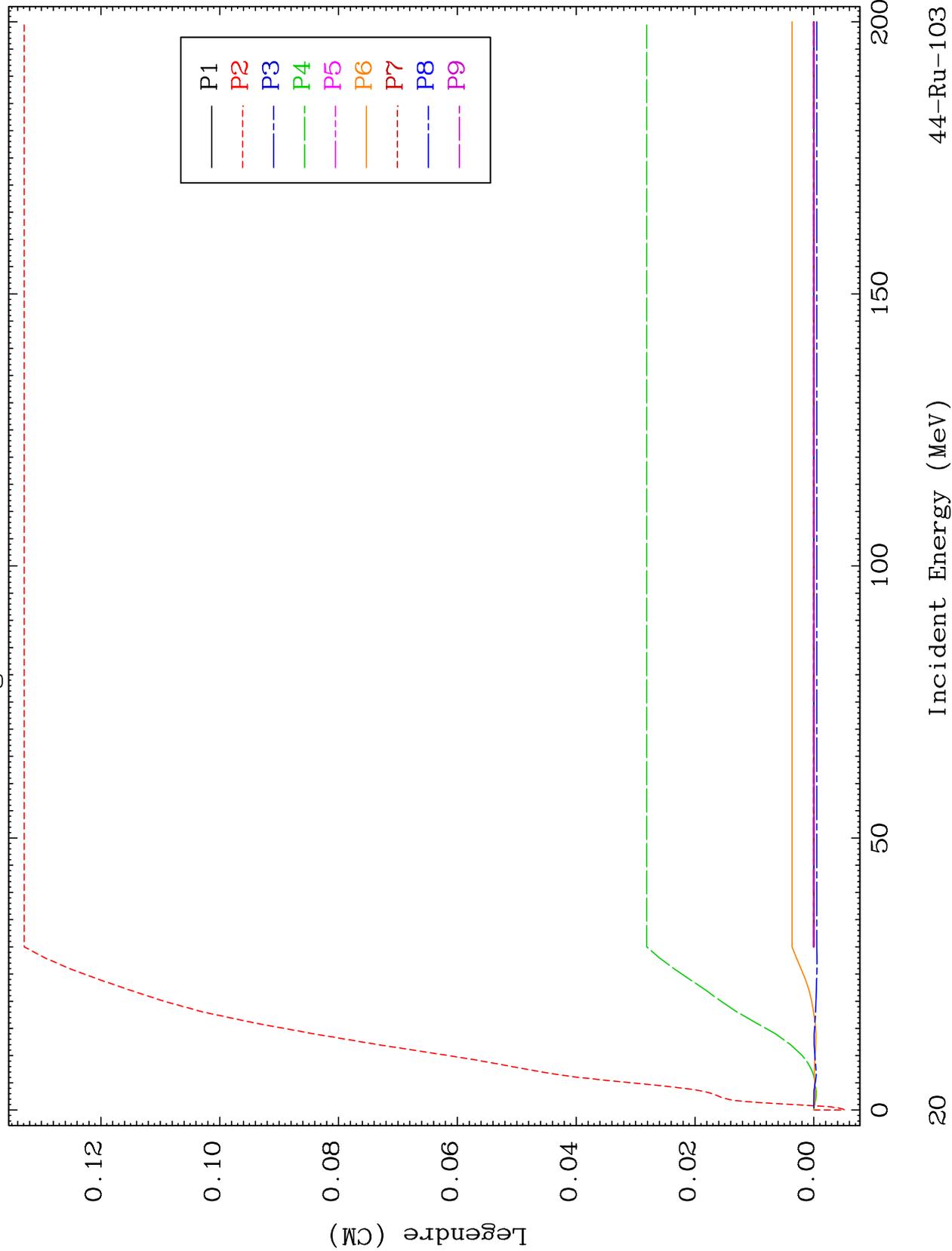
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

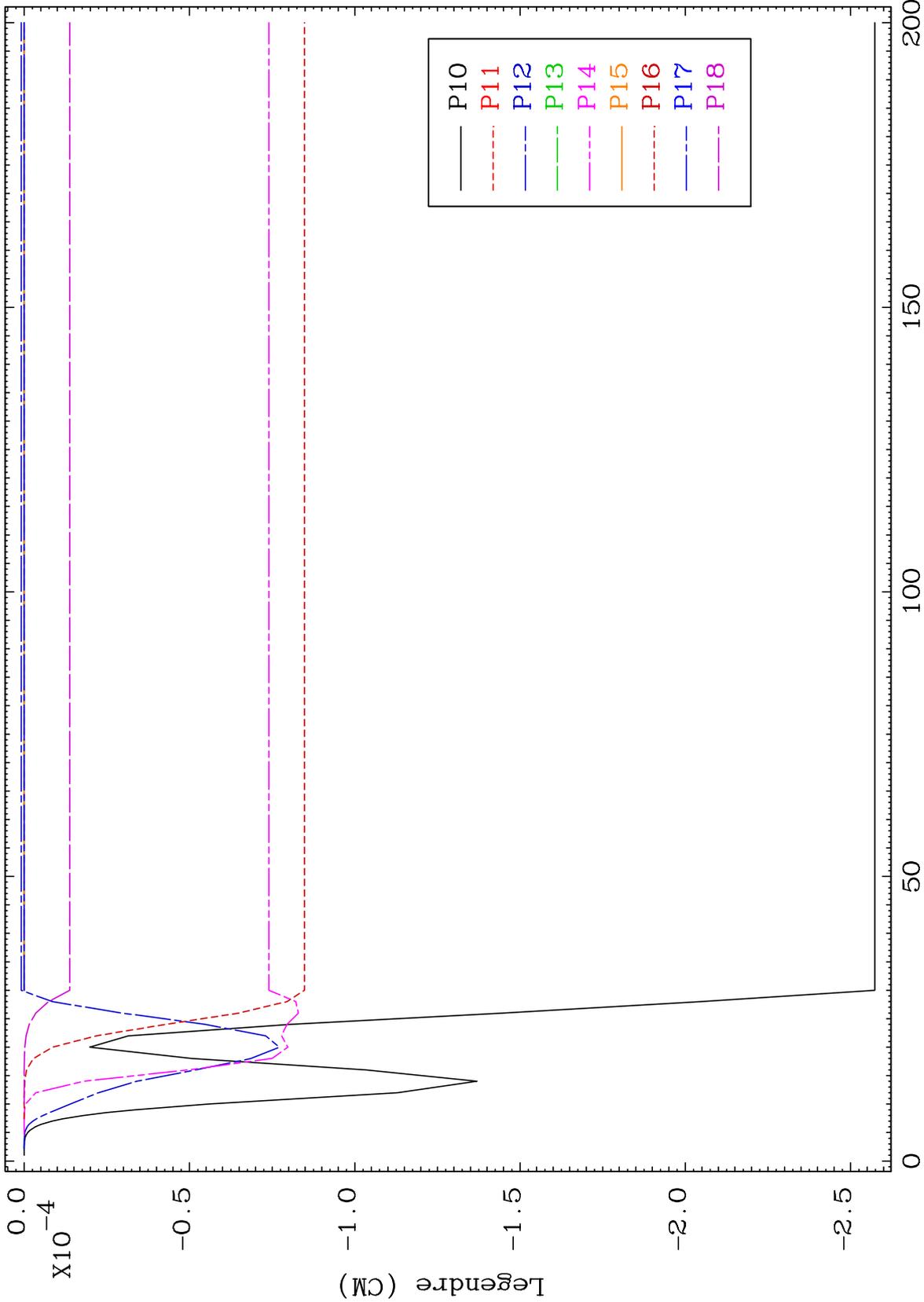
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MAT 4446

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

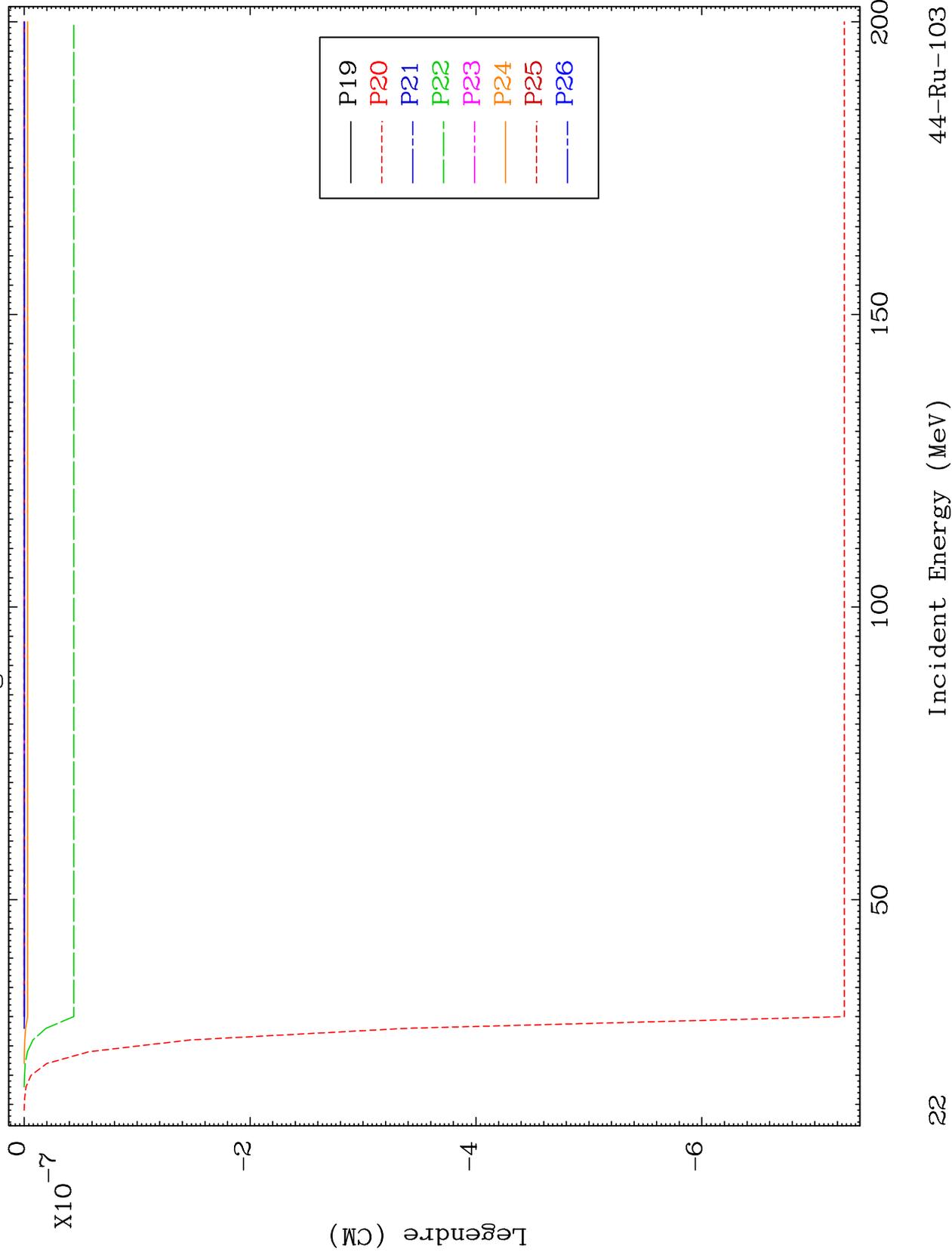
44-Ru-103



MAT 4446

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

44-Ru-103



22

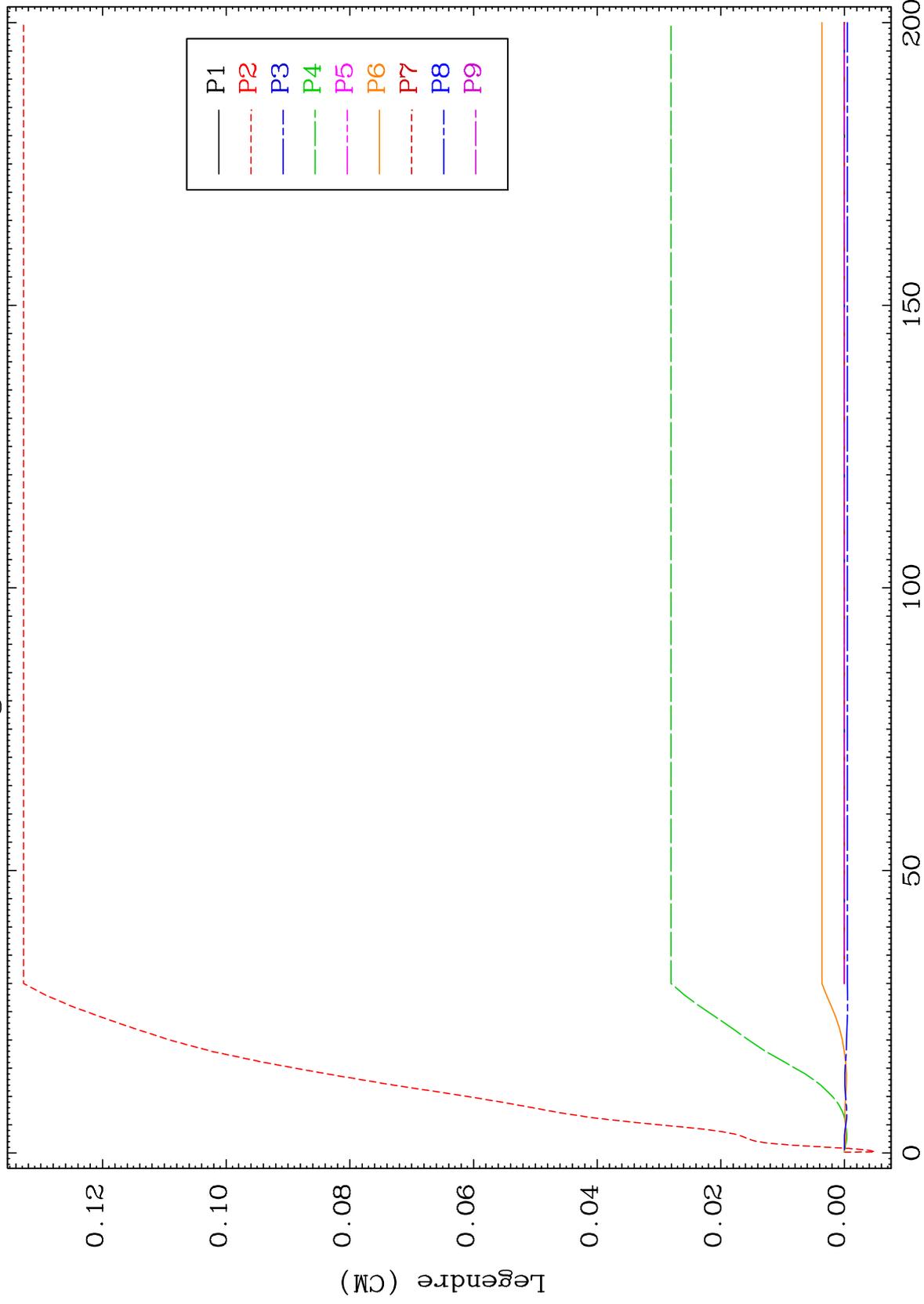
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



23

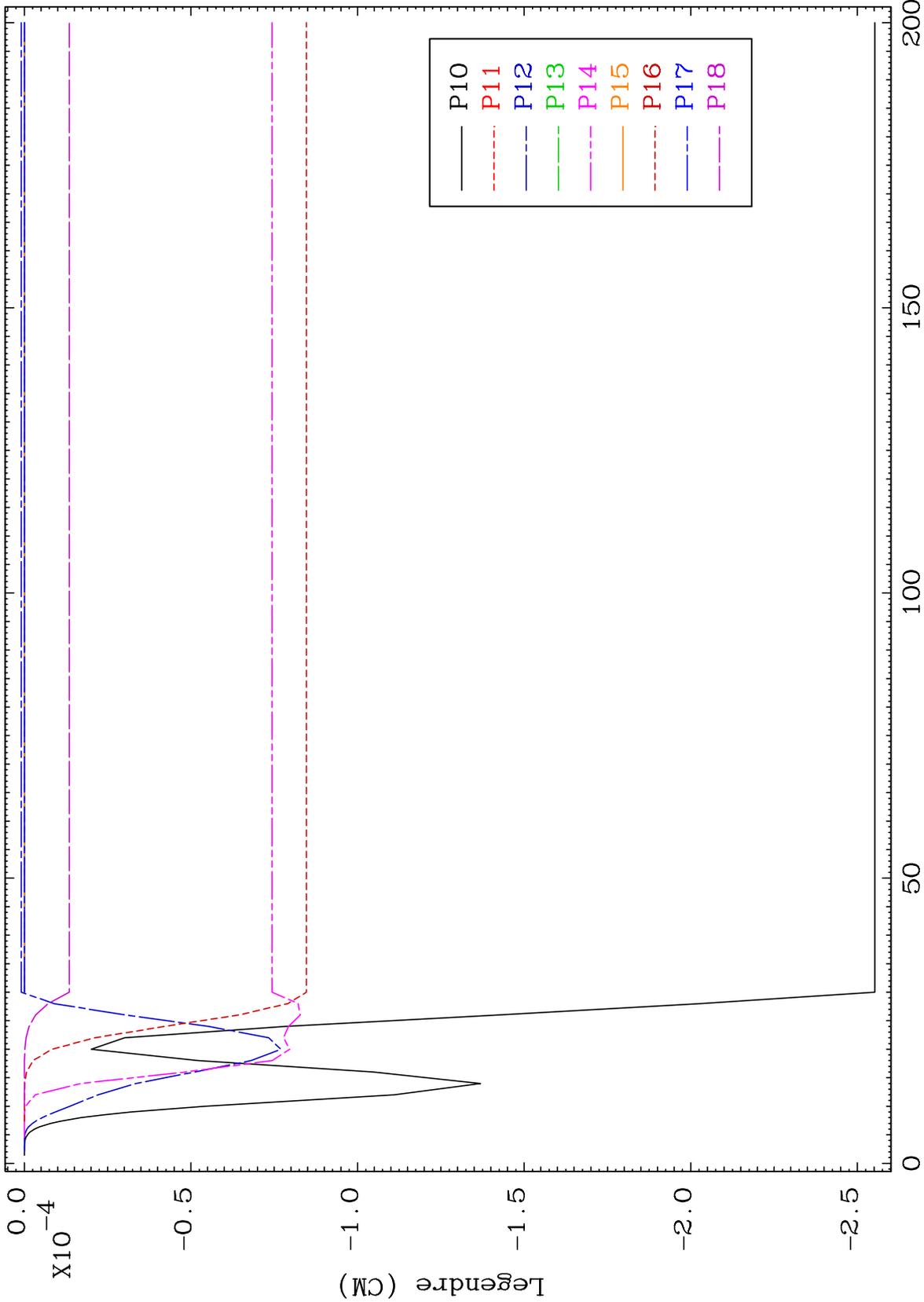
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



24

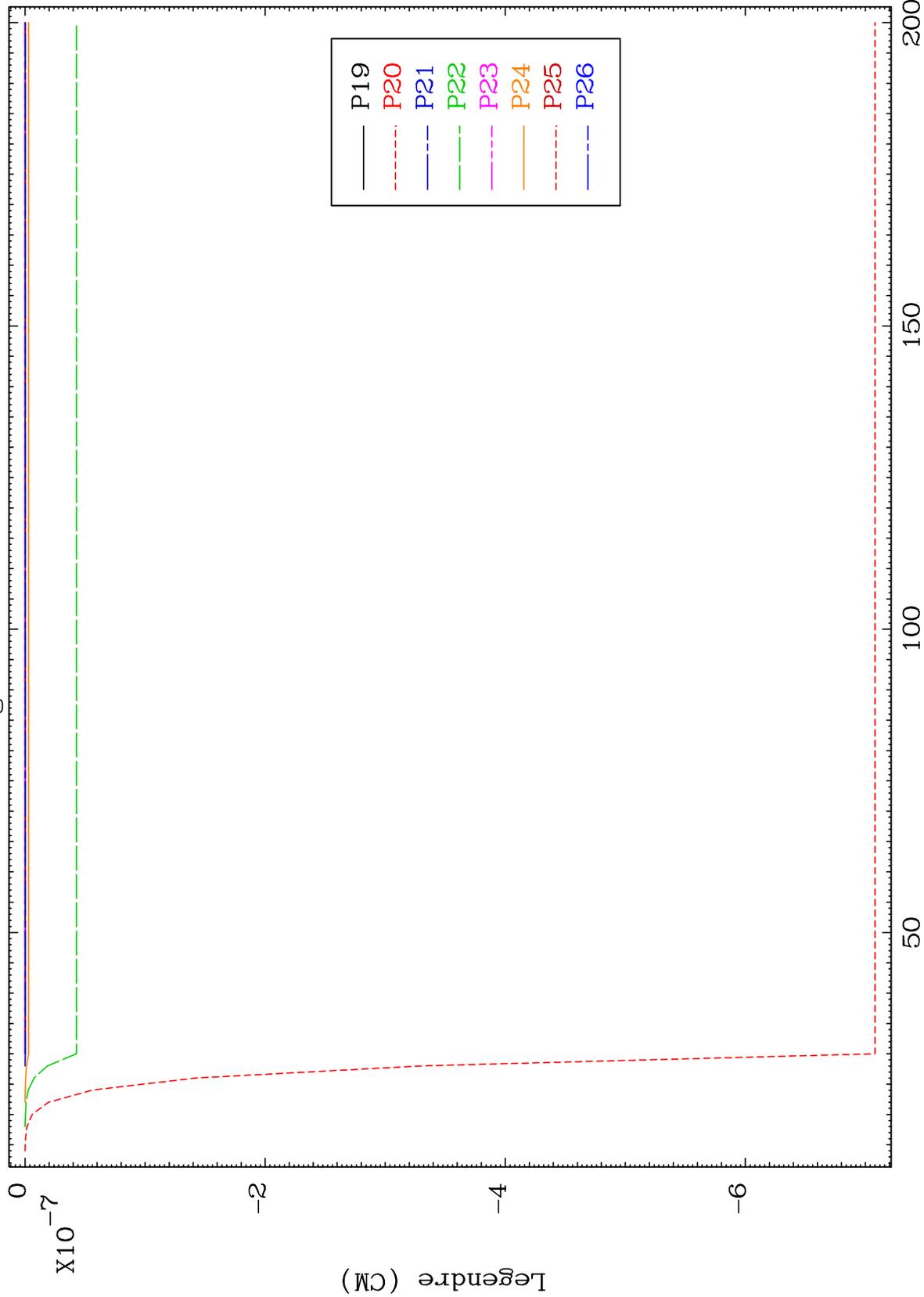
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



44-Ru-103

Incident Energy (MeV)

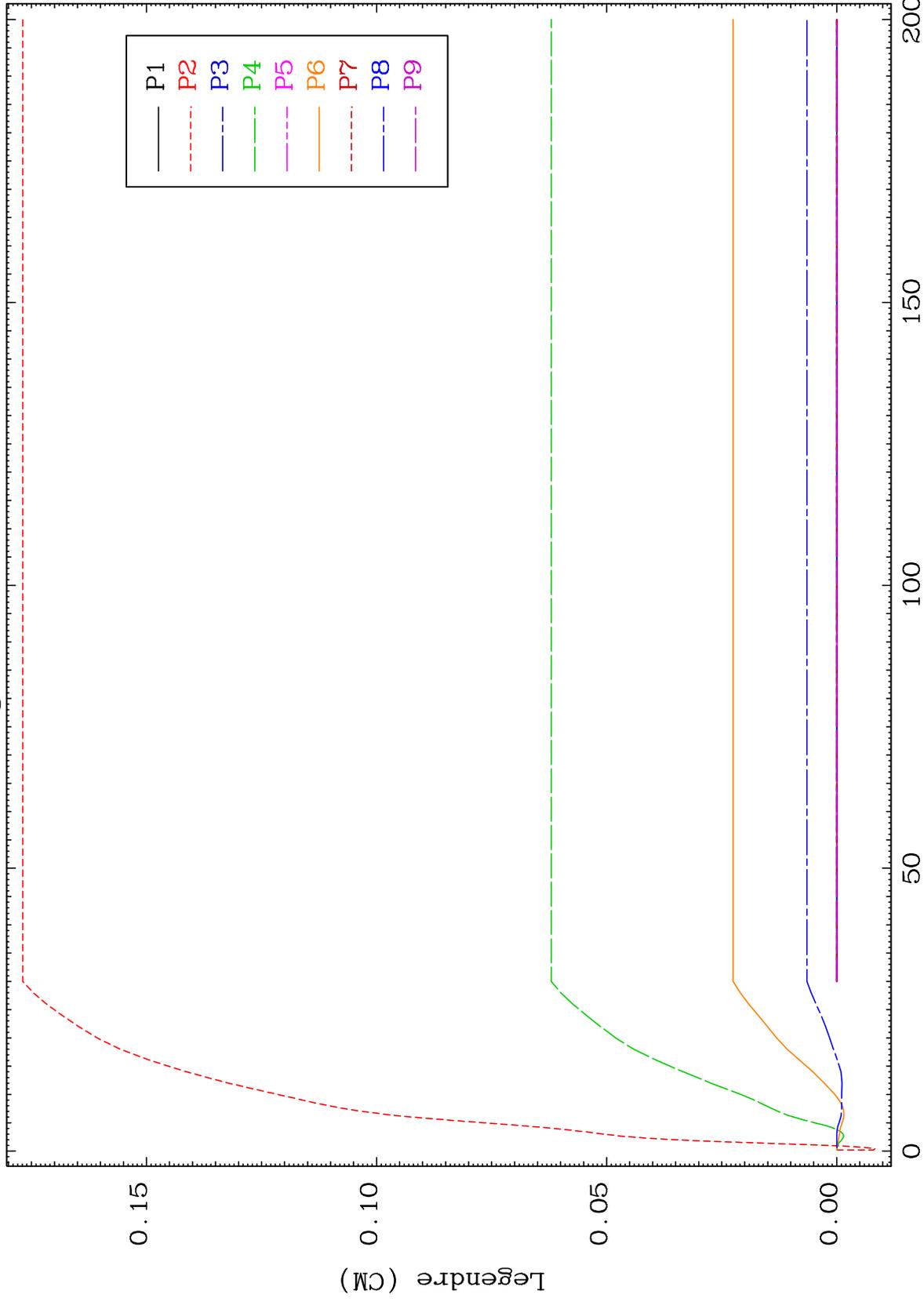
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MAT 4446

MT= 53 (n,n') Level

44-Ru-103

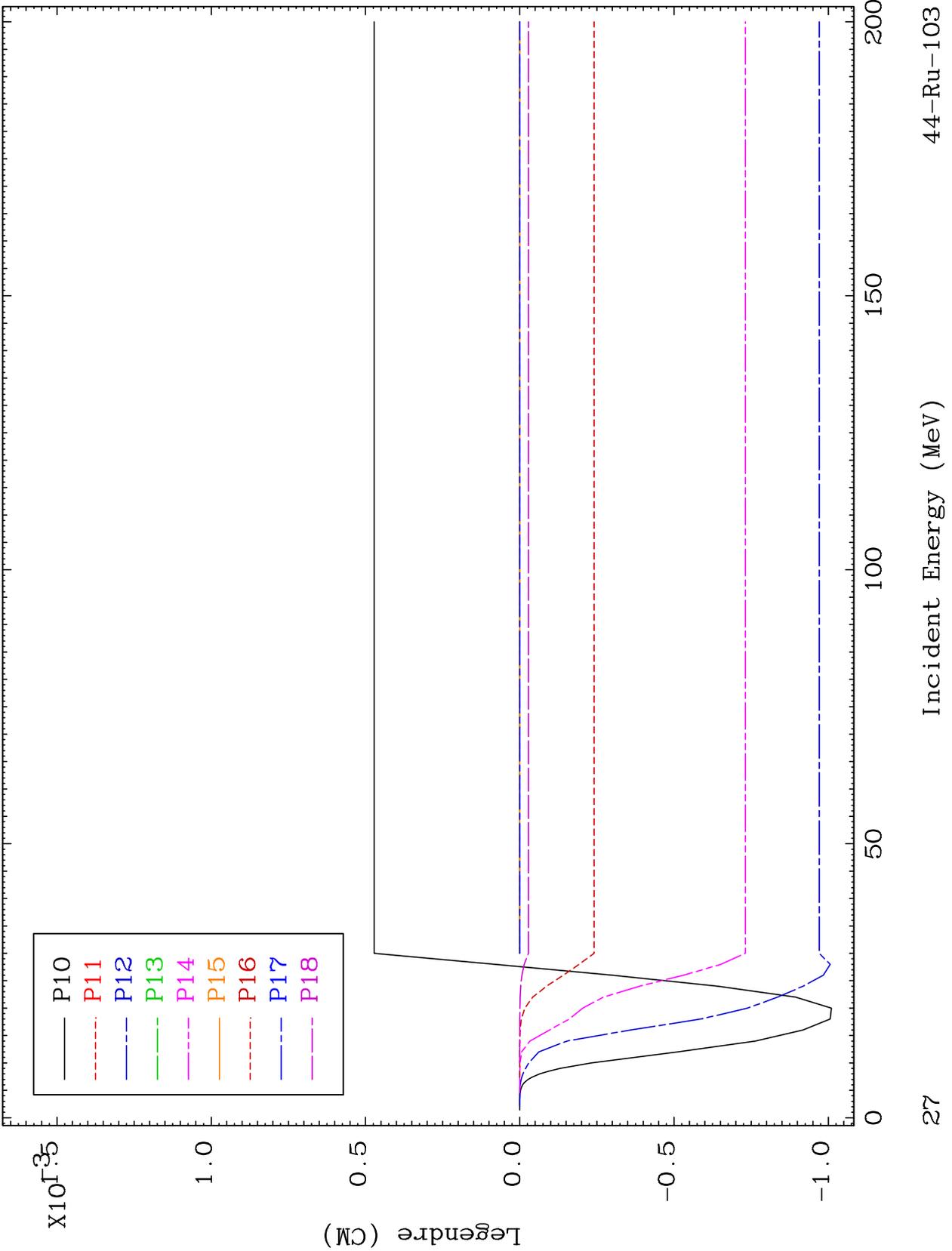
Legendre Coefficients



26

Incident Energy (MeV)

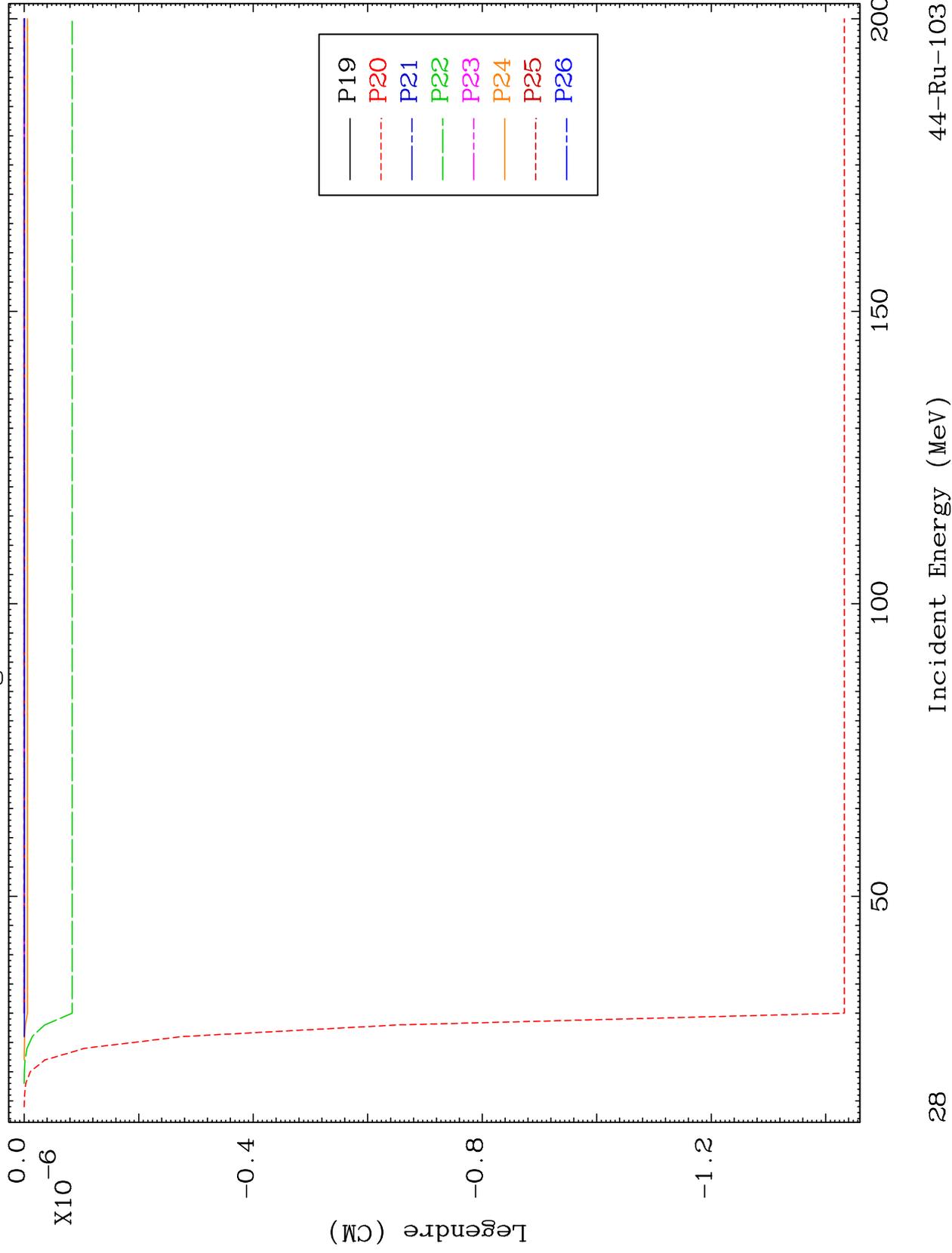
44-Ru-103



MAT 4446

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

44-Ru-103



28

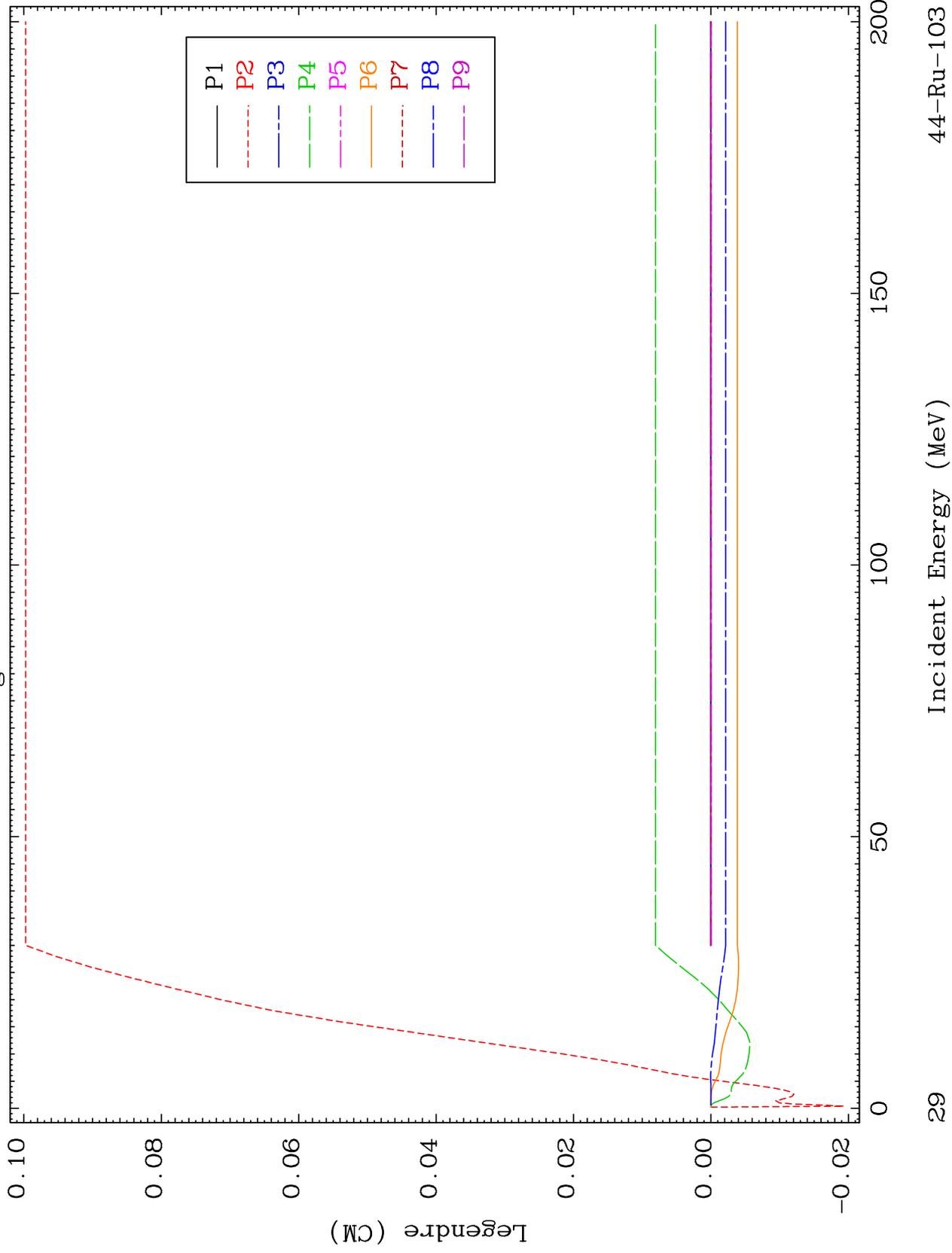
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



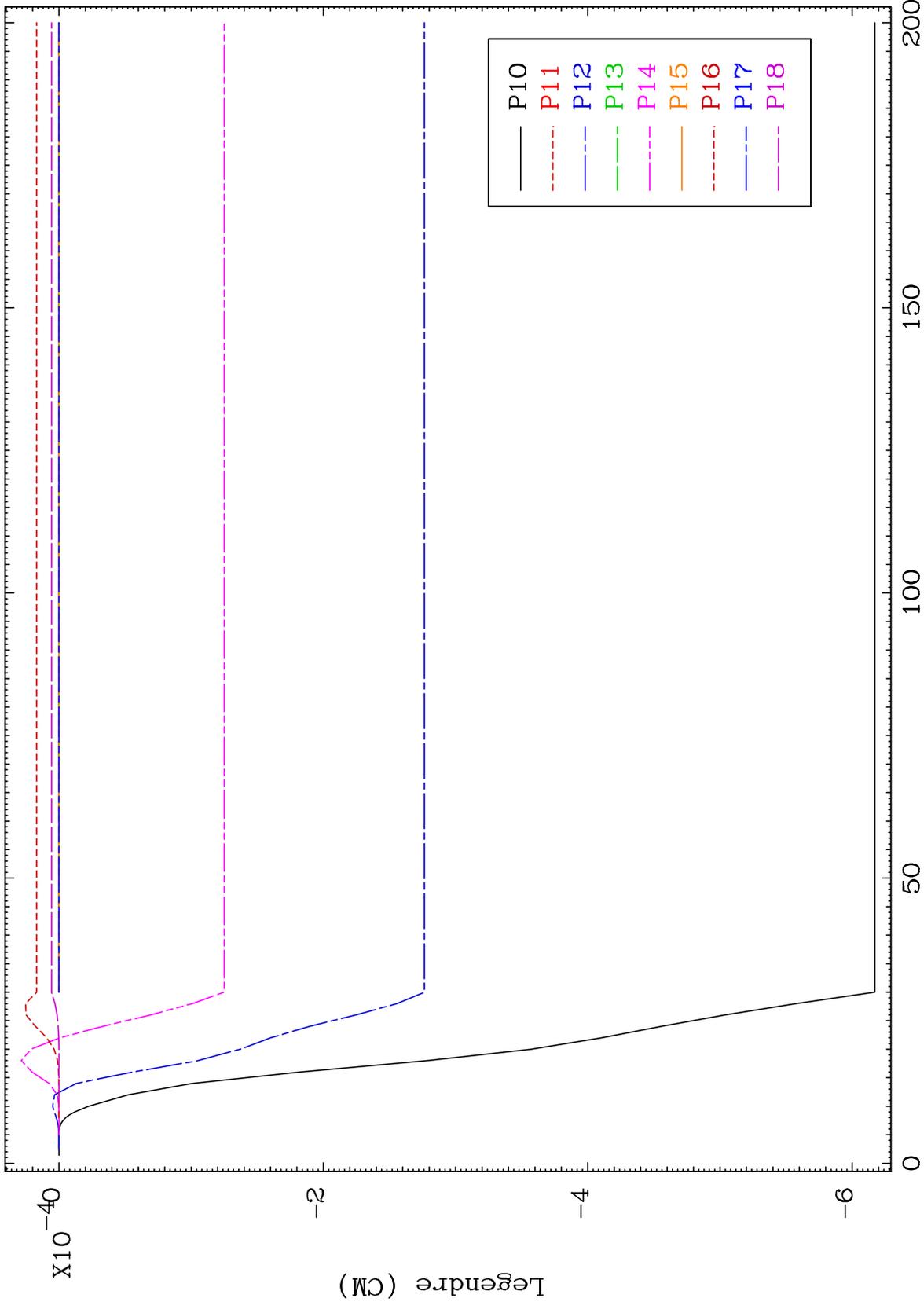
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MAT 4446

MT= 54 (n,n') Level

44-Ru-103

Legendre Coefficients



30

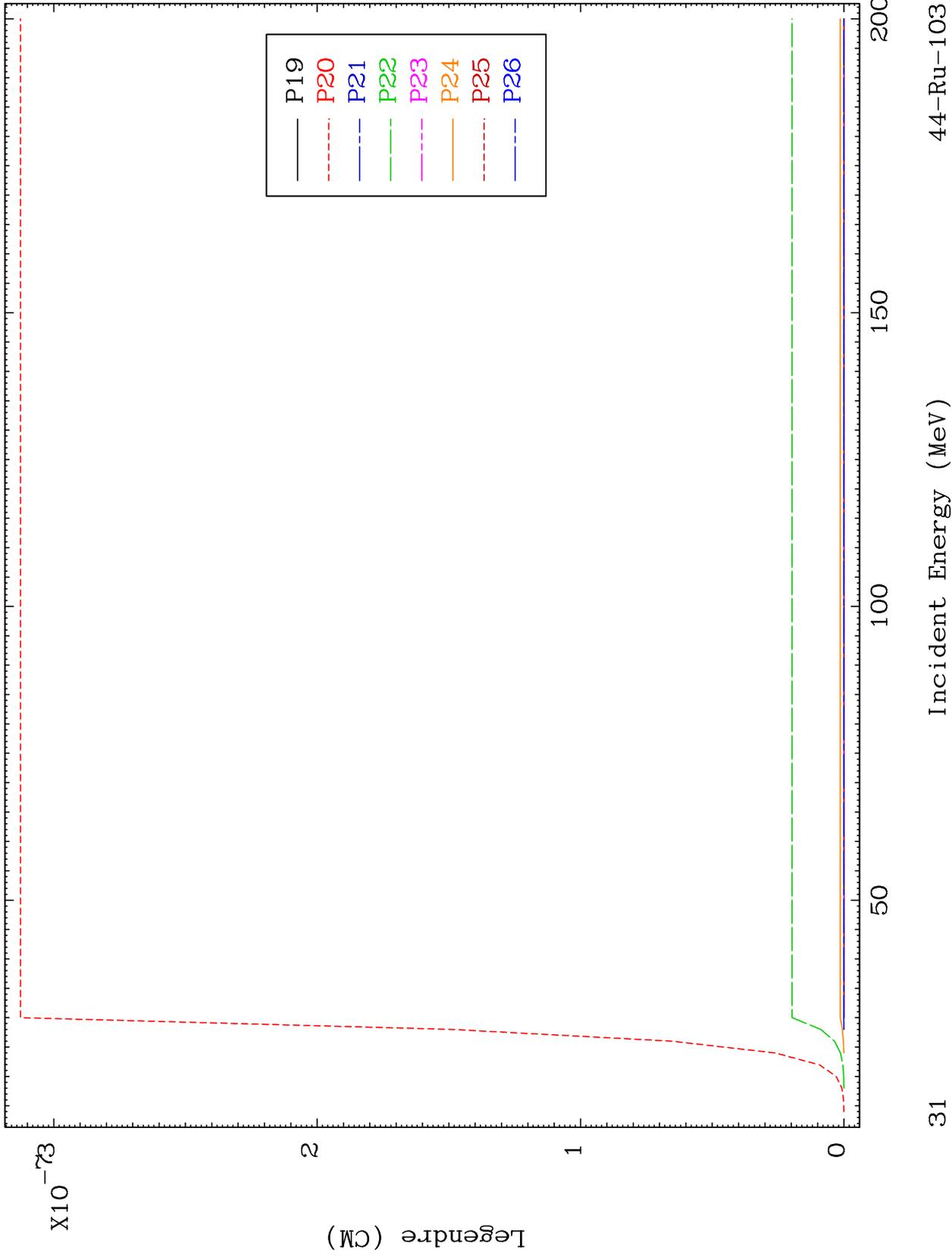
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



31

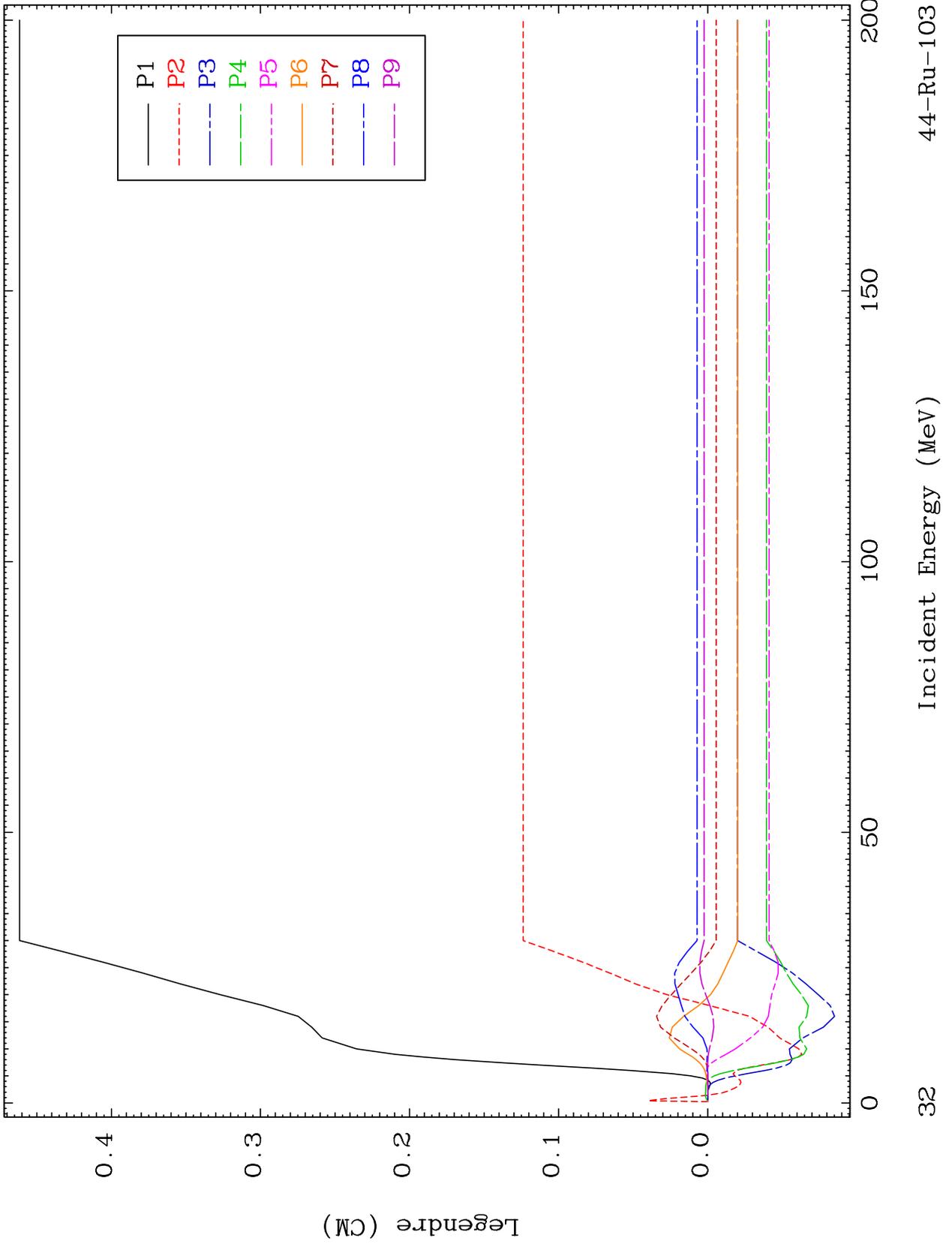
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



32

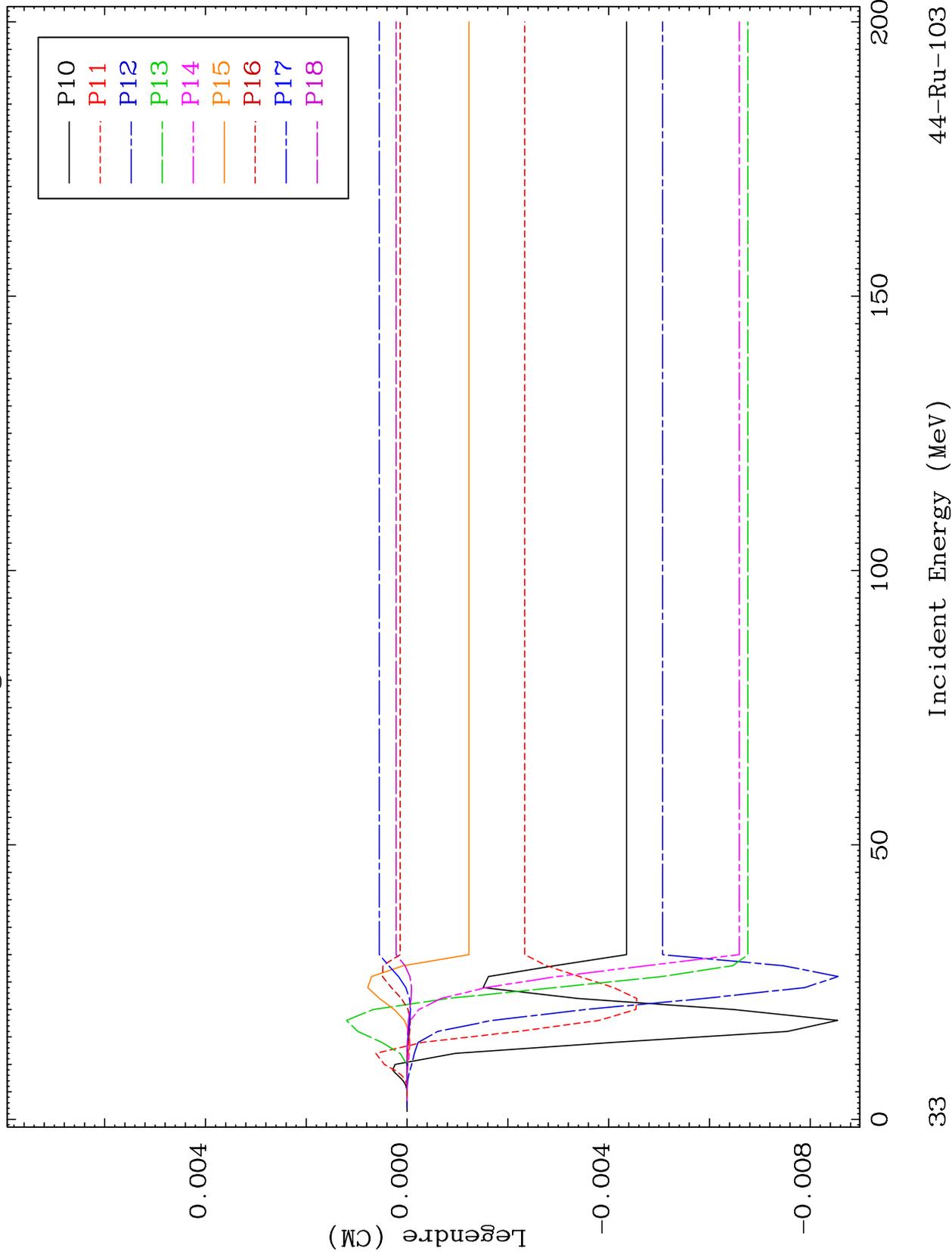
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



44-Ru-103

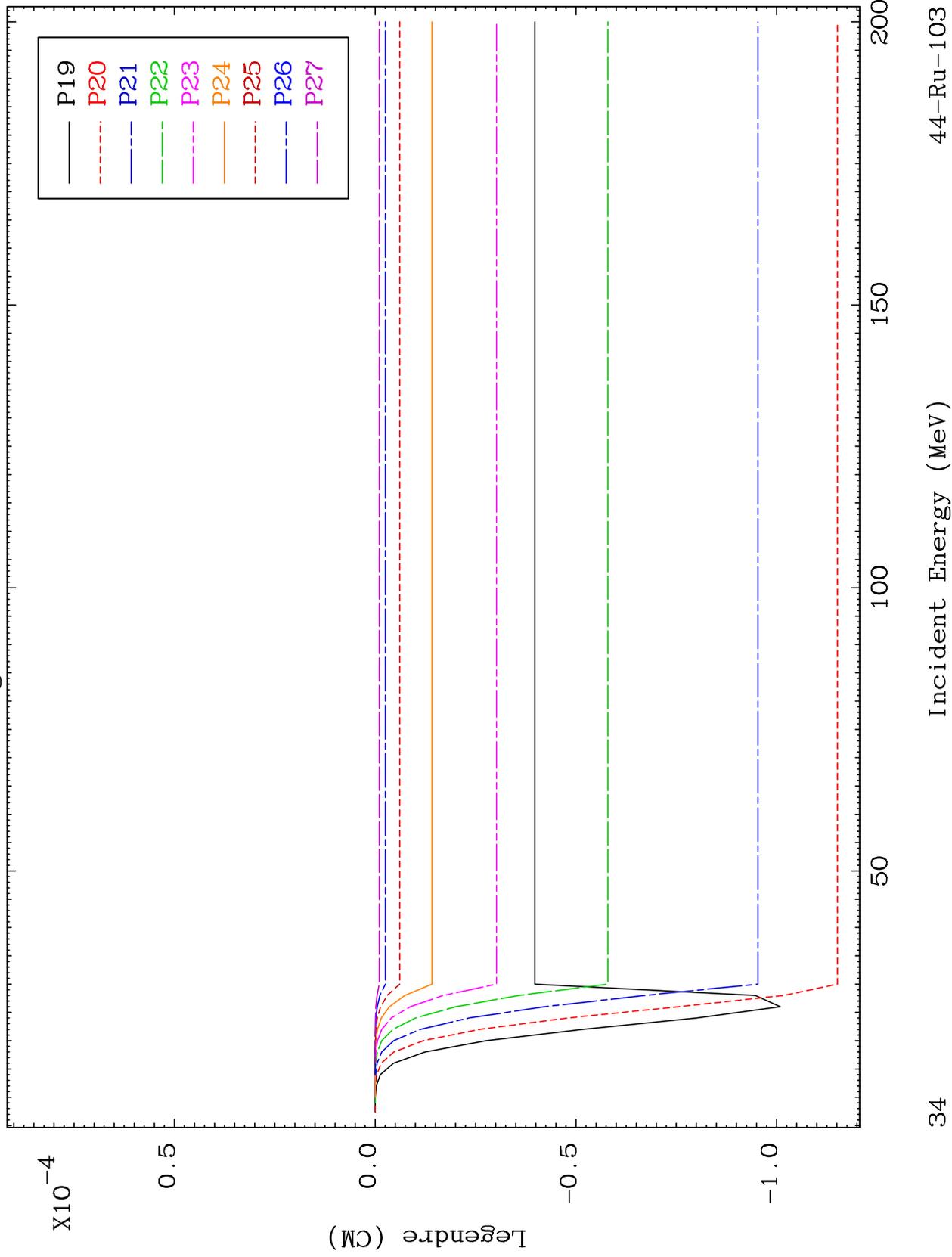
Incident Energy (MeV)

33

MAT 4446

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

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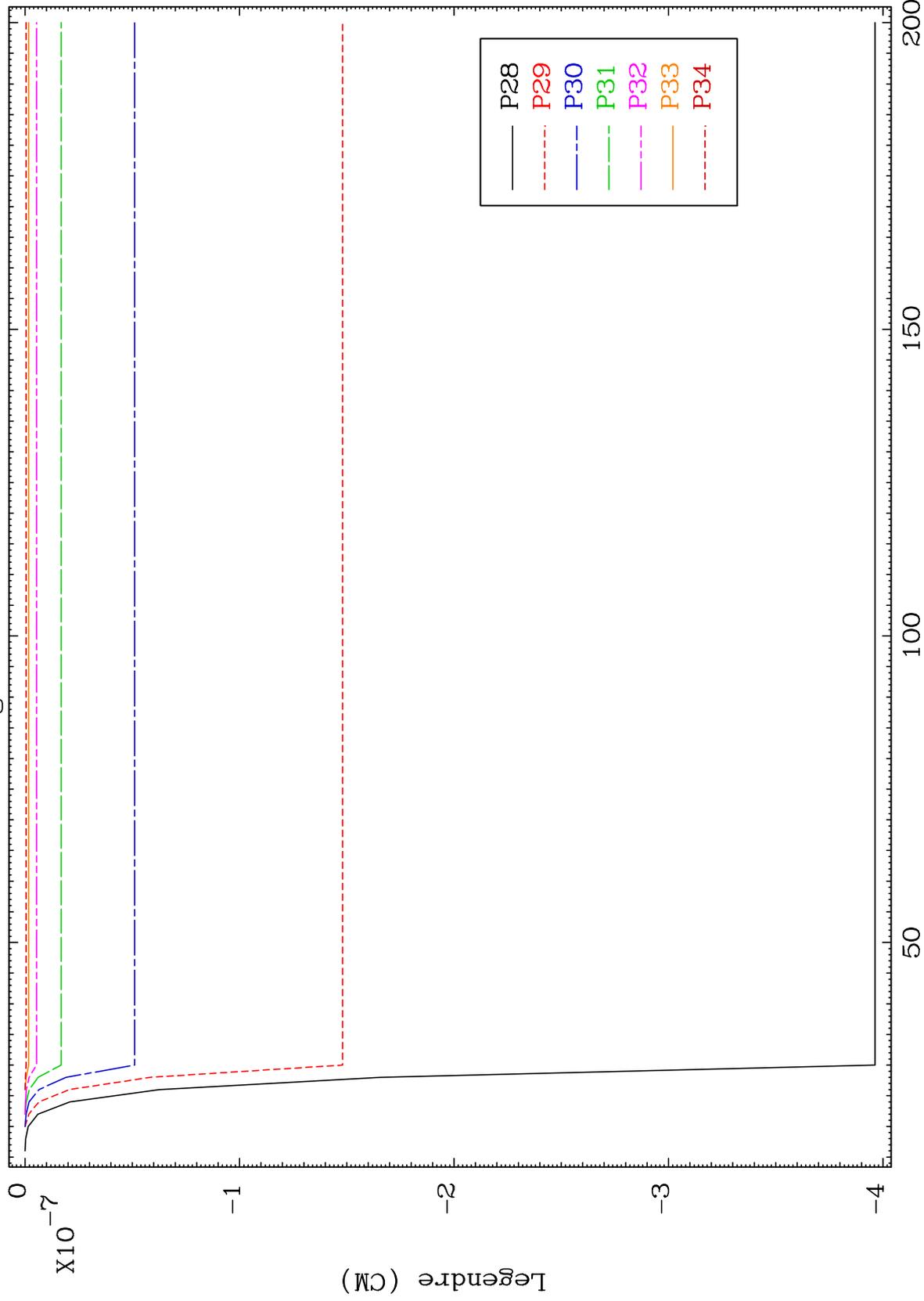


MAT 4446

MT= 55 (n,n') Level

44-Ru-103

Legendre Coefficients



35

Incident Energy (MeV)

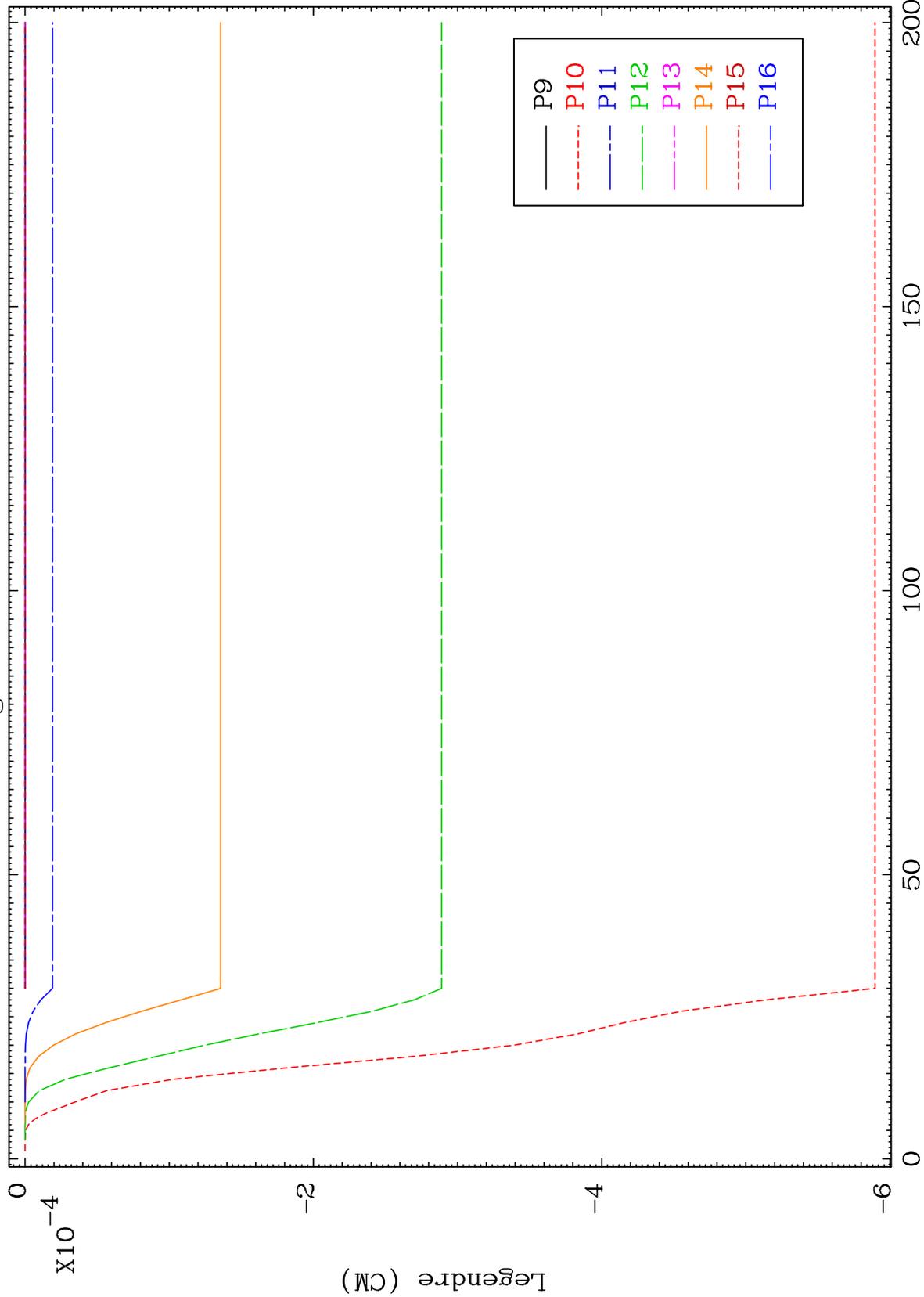
44-Ru-103

MAT 4446

MT= 56 (n,n') Level

44-Ru-103

Legendre Coefficients



37

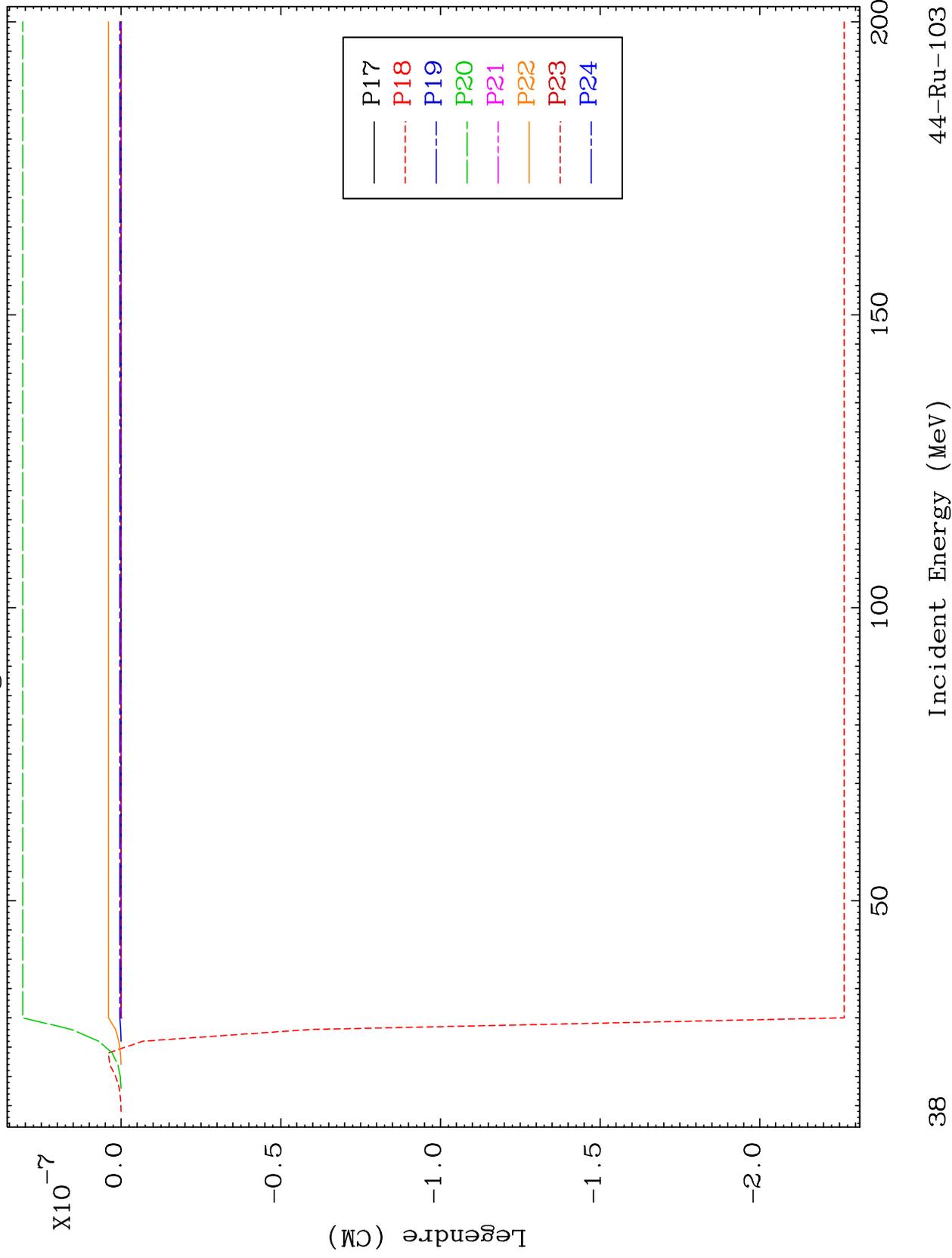
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



38

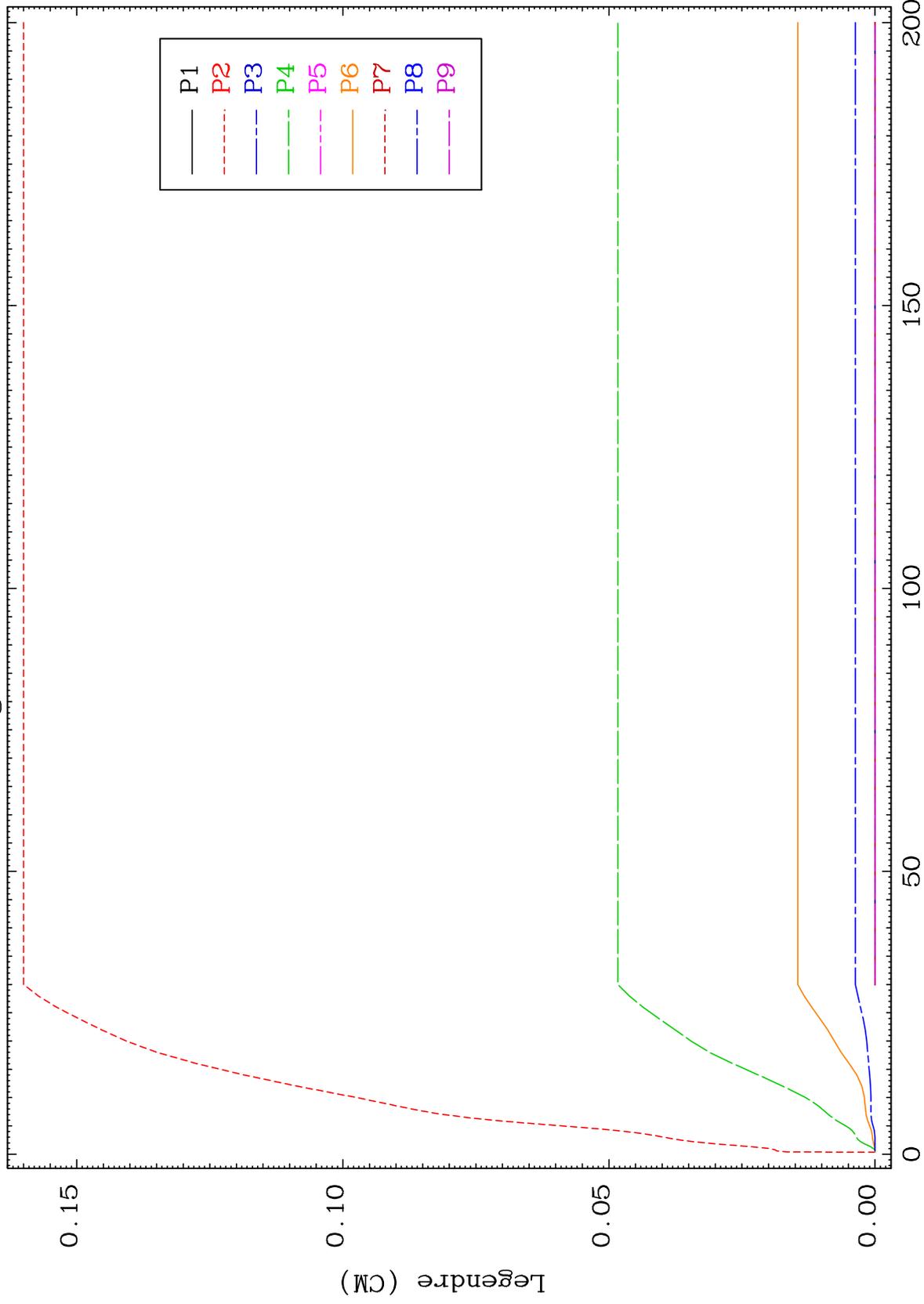
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



39

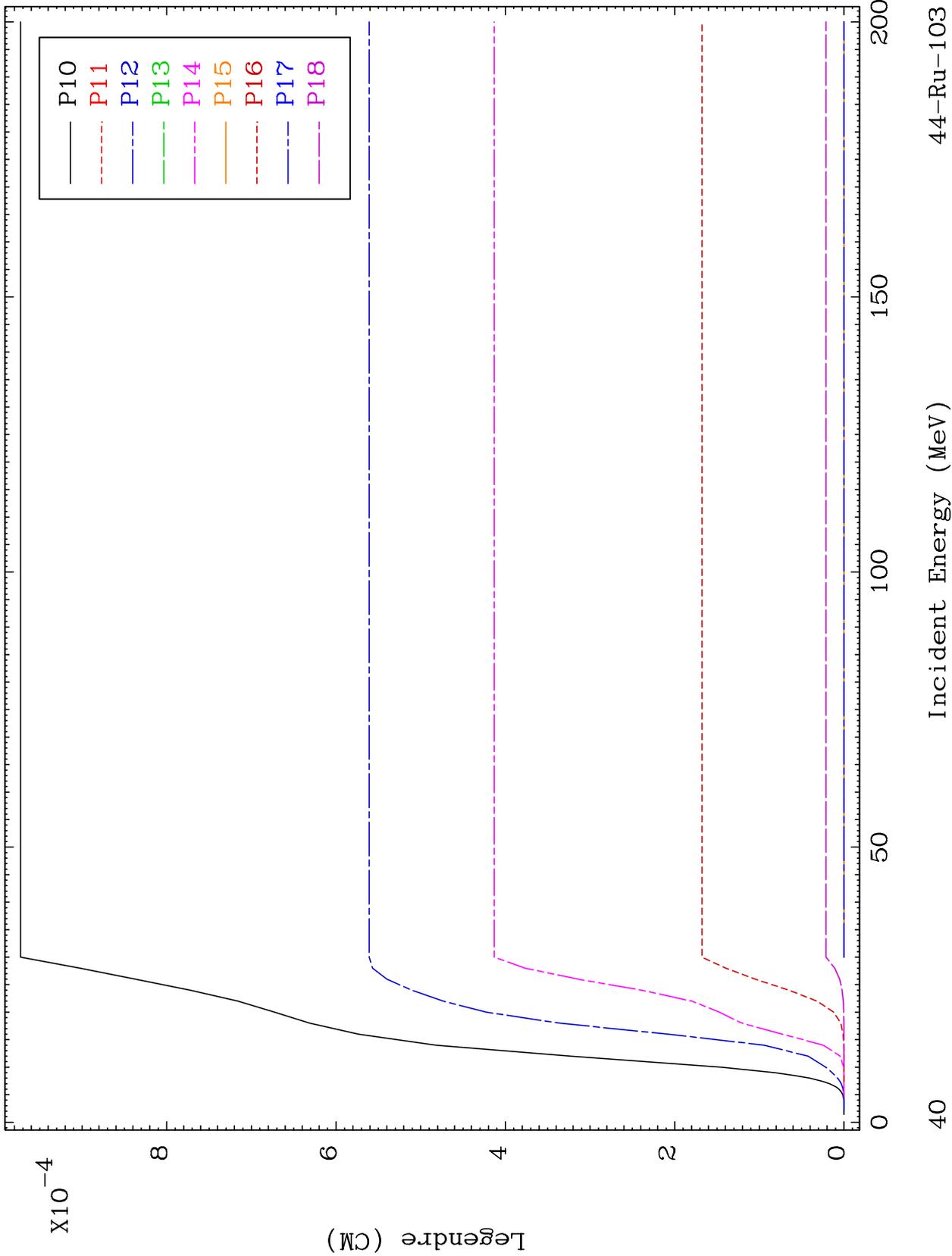
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

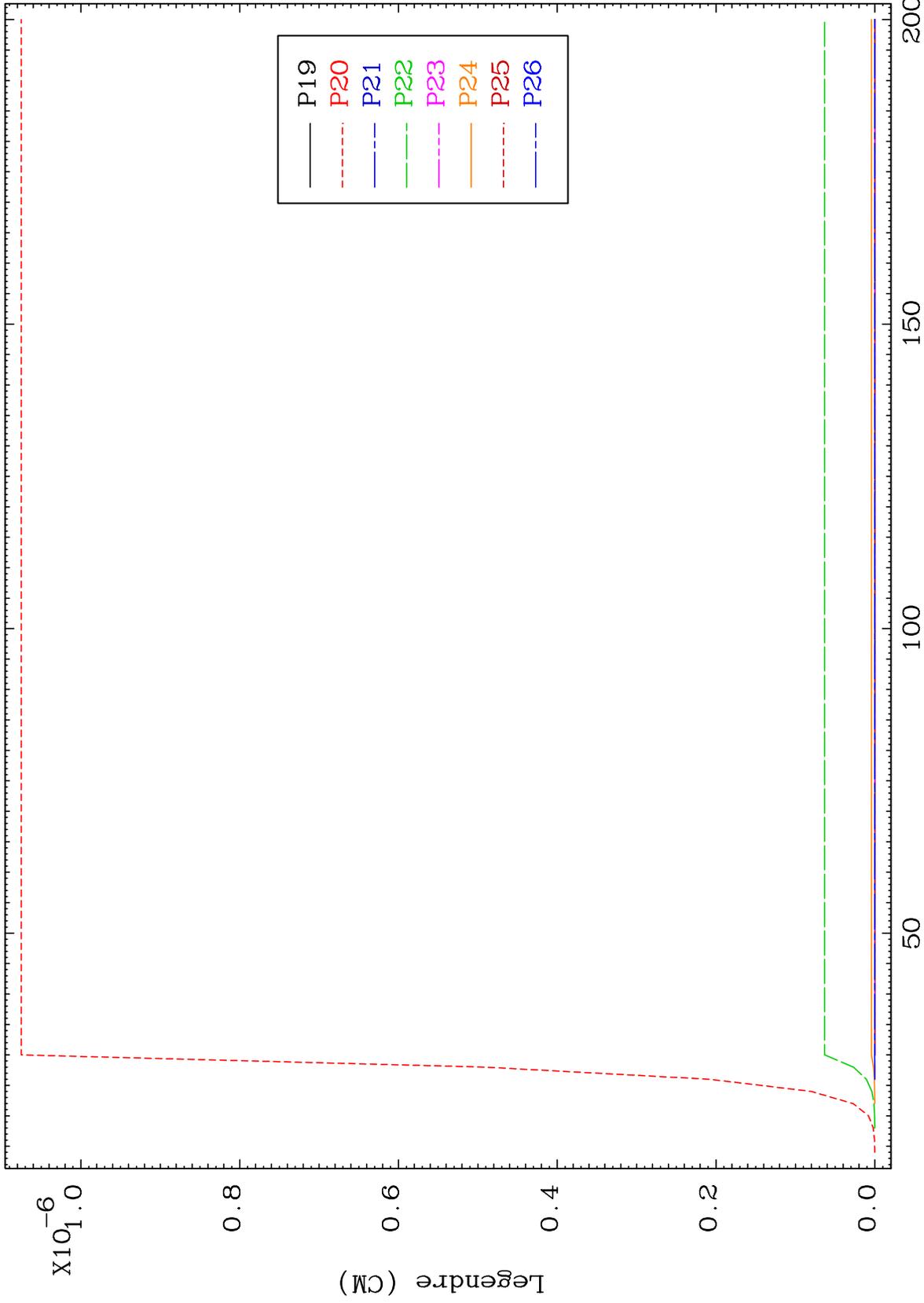
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MAT 4446

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

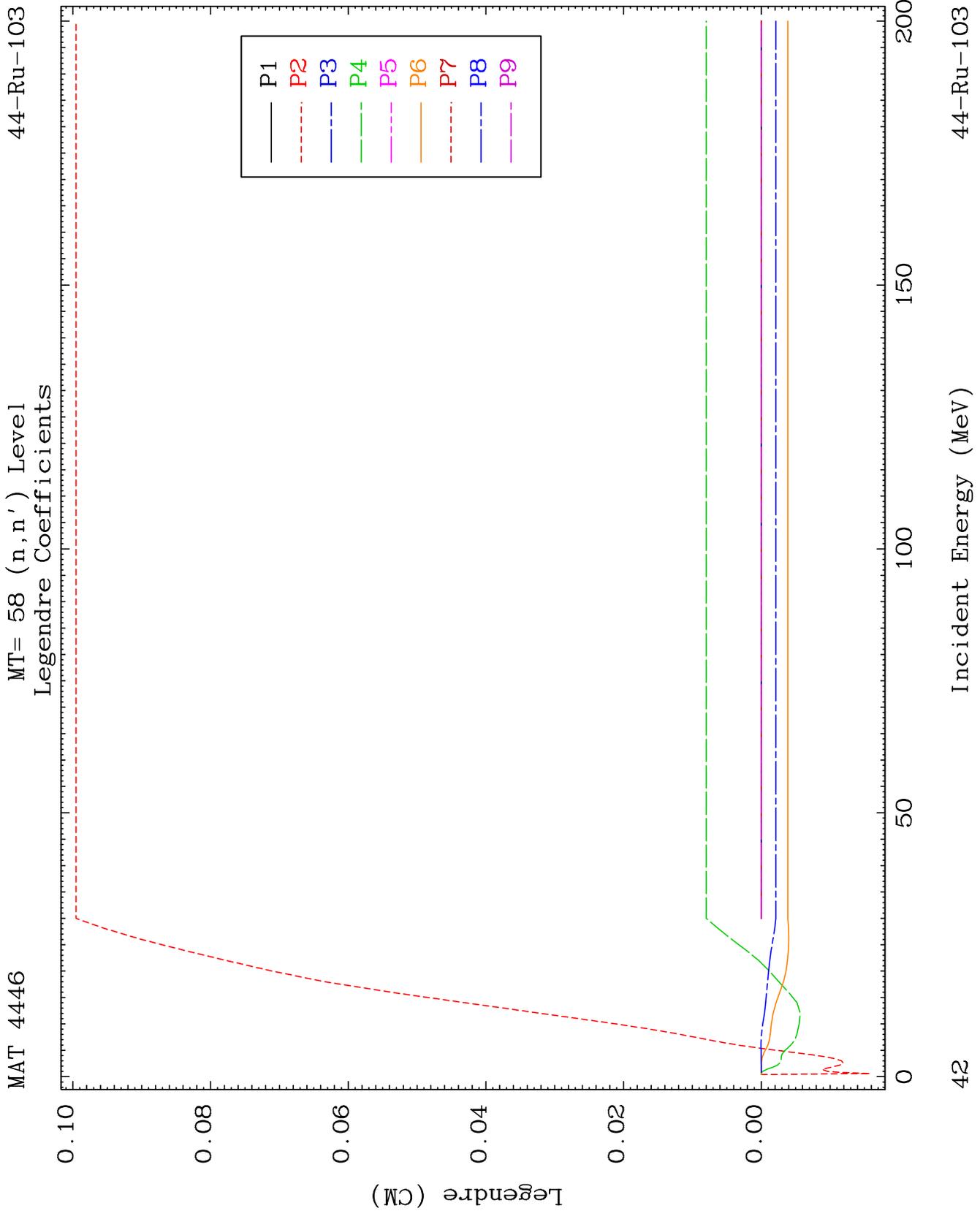
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41

Incident Energy (MeV)

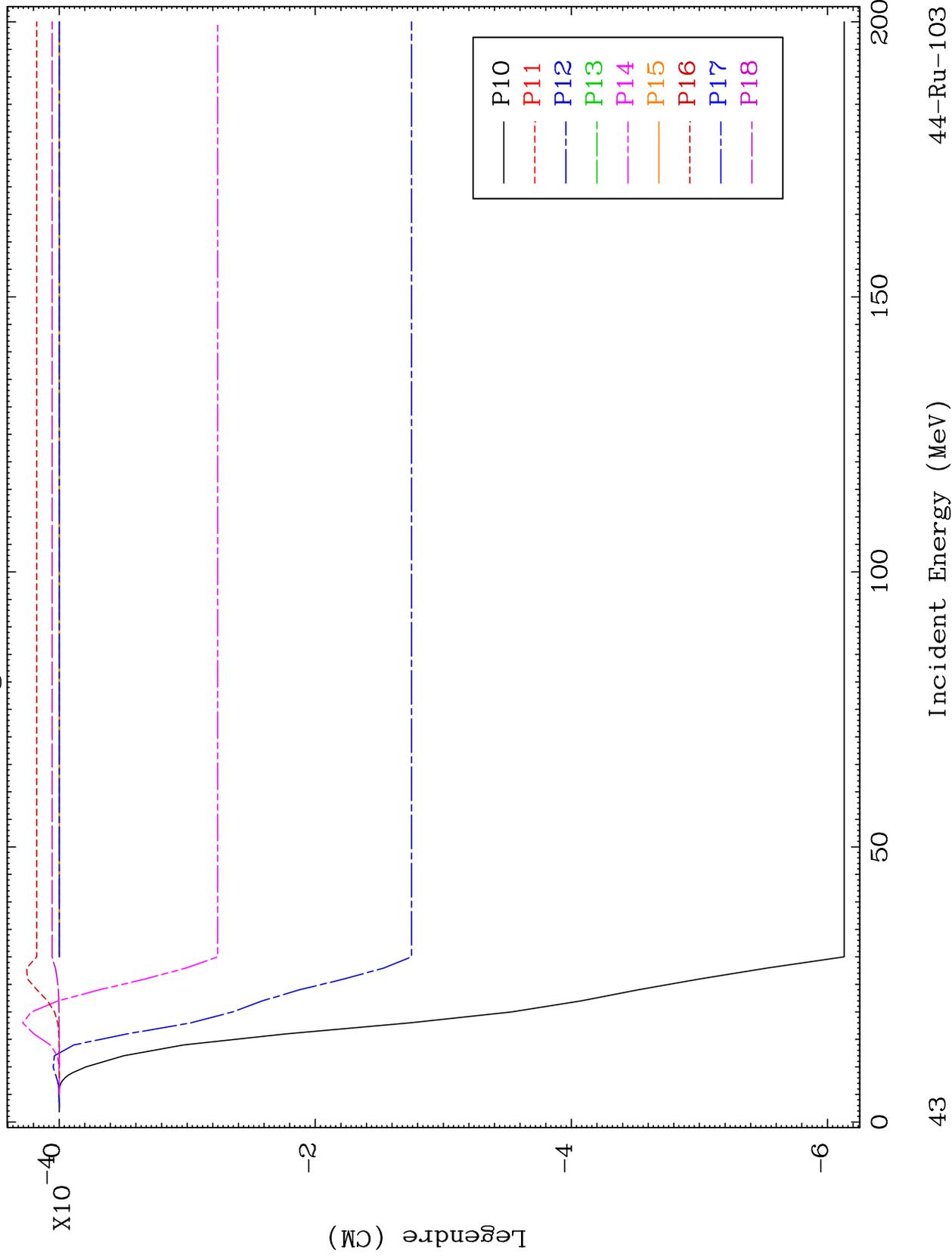
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MAT 4446

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

44-Ru-103



43

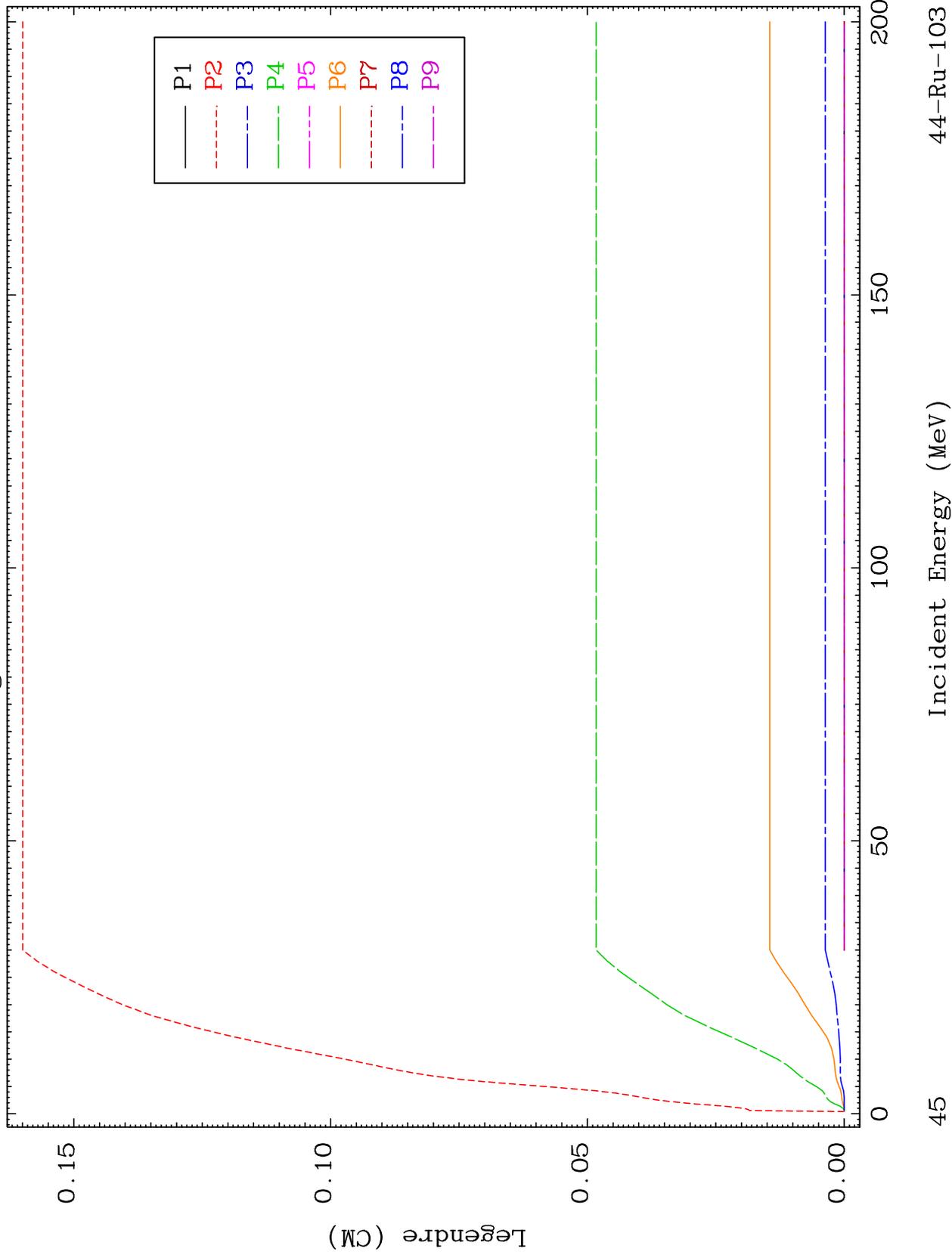
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

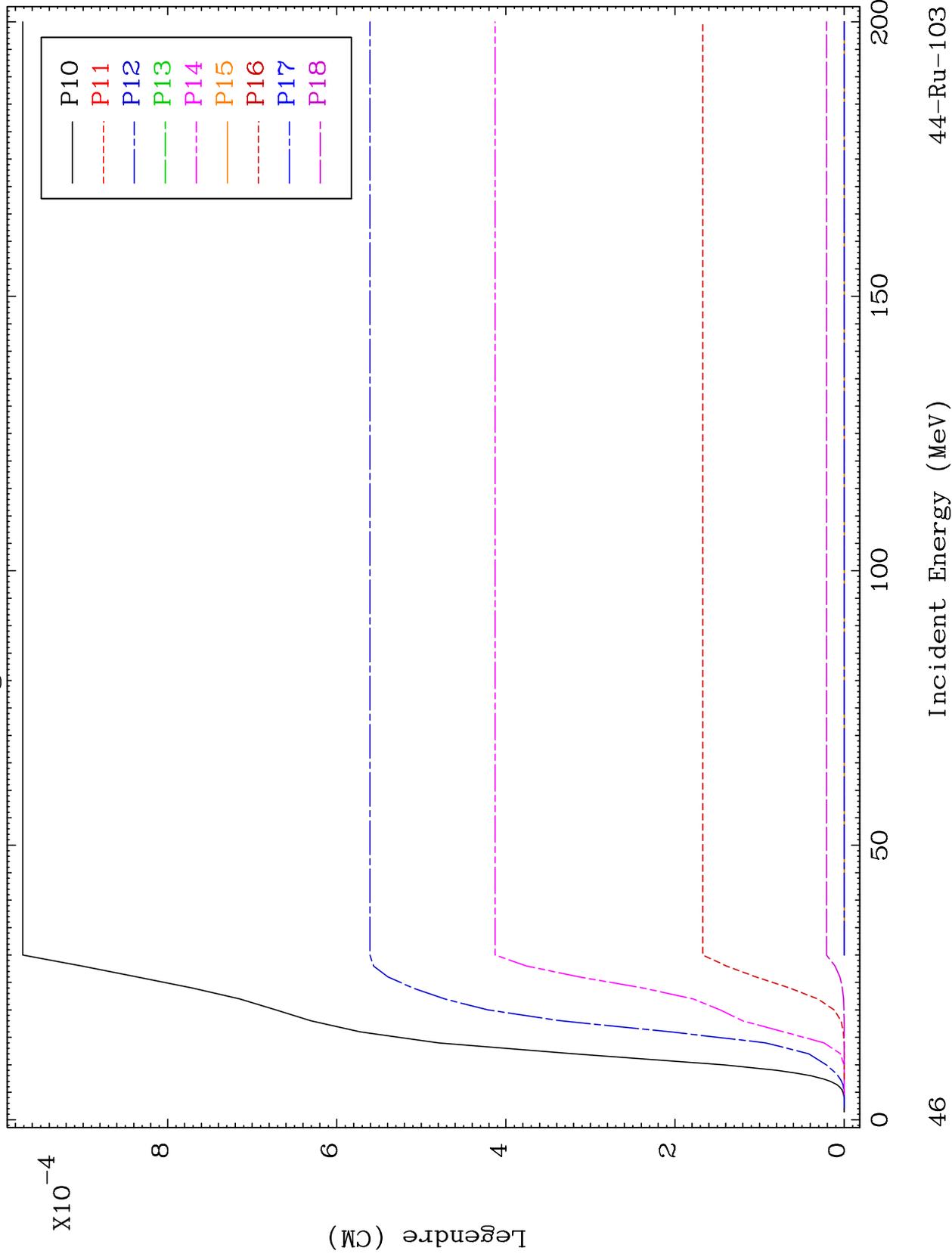
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MAT 4446

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

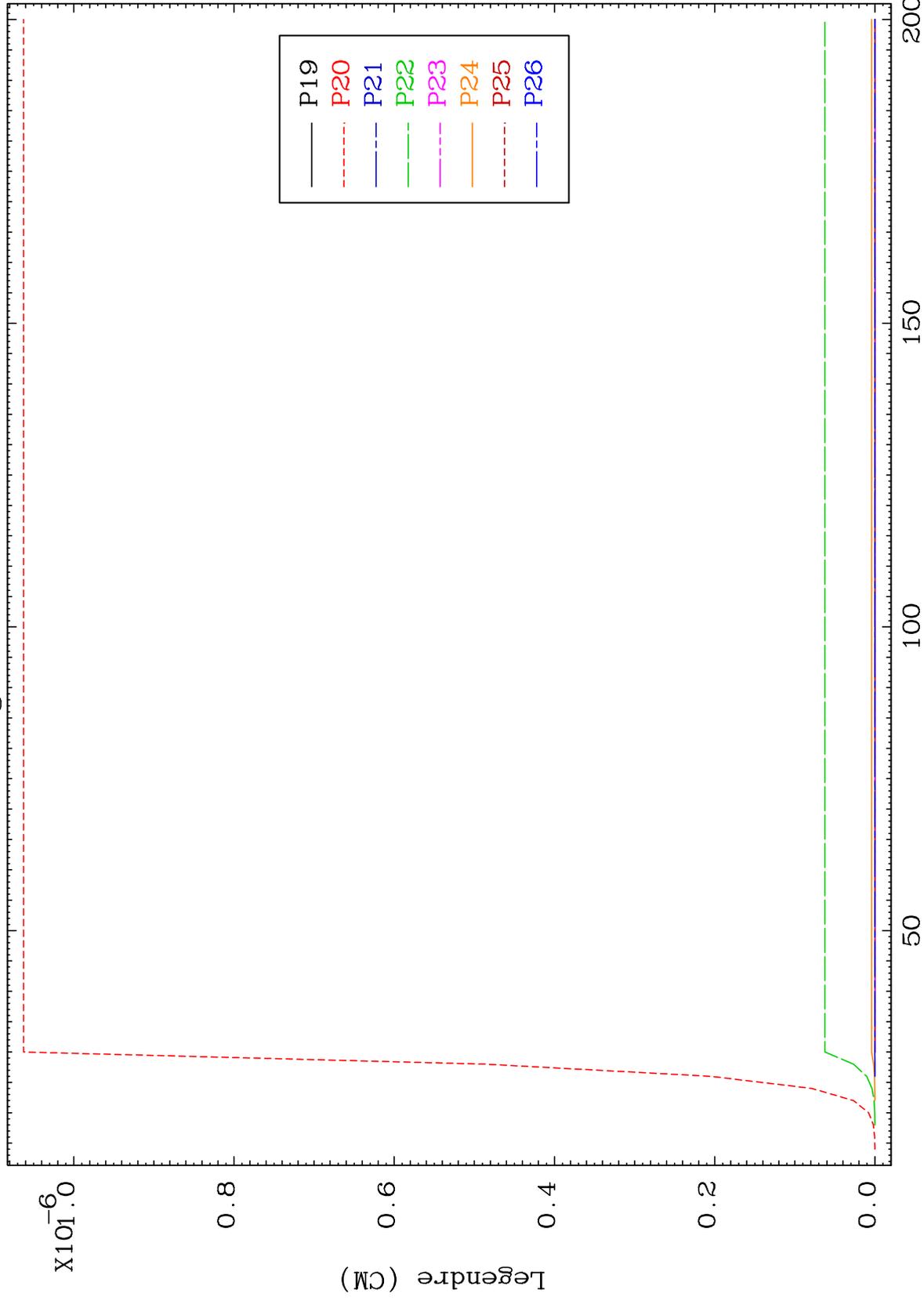
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MAT 4446

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

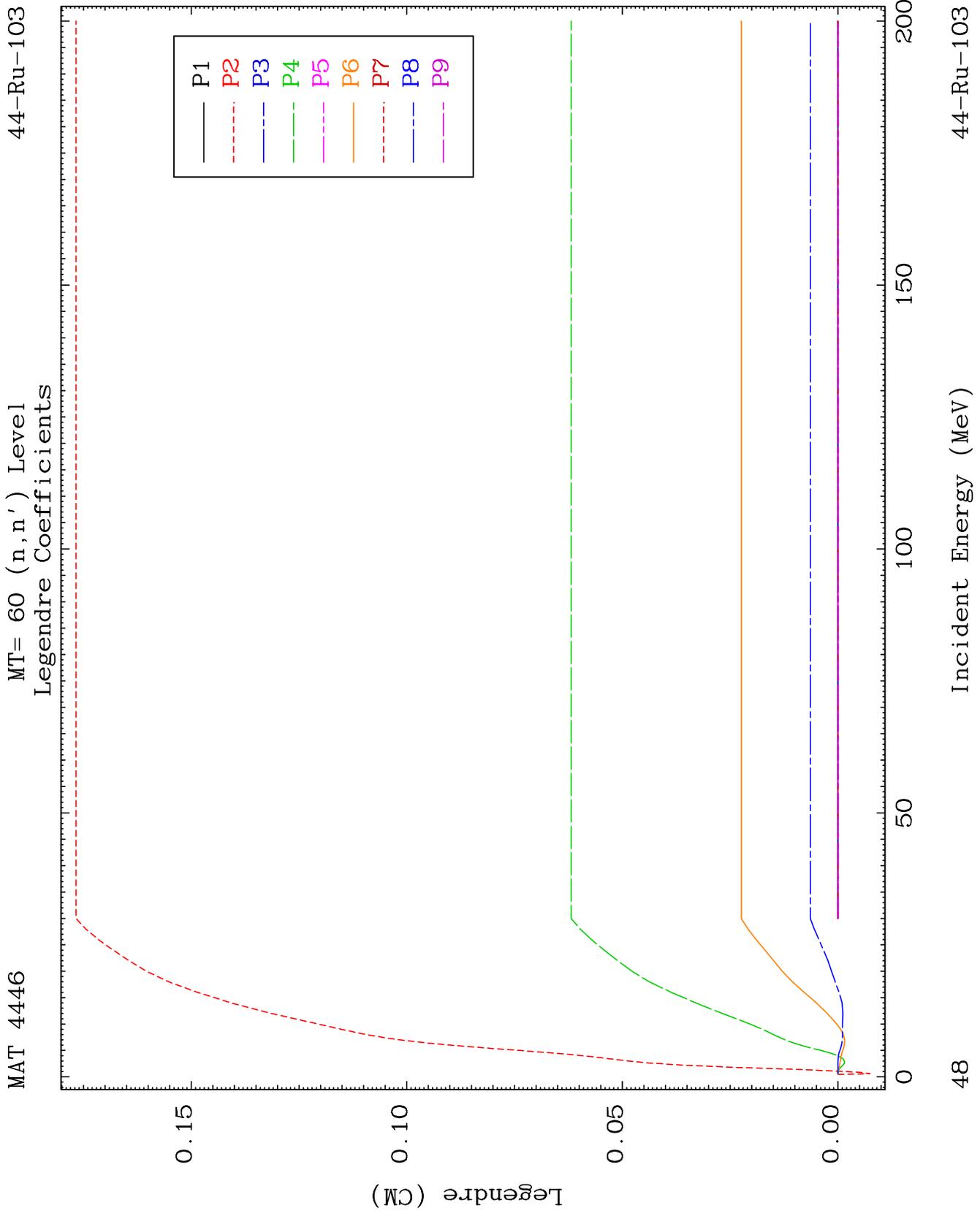
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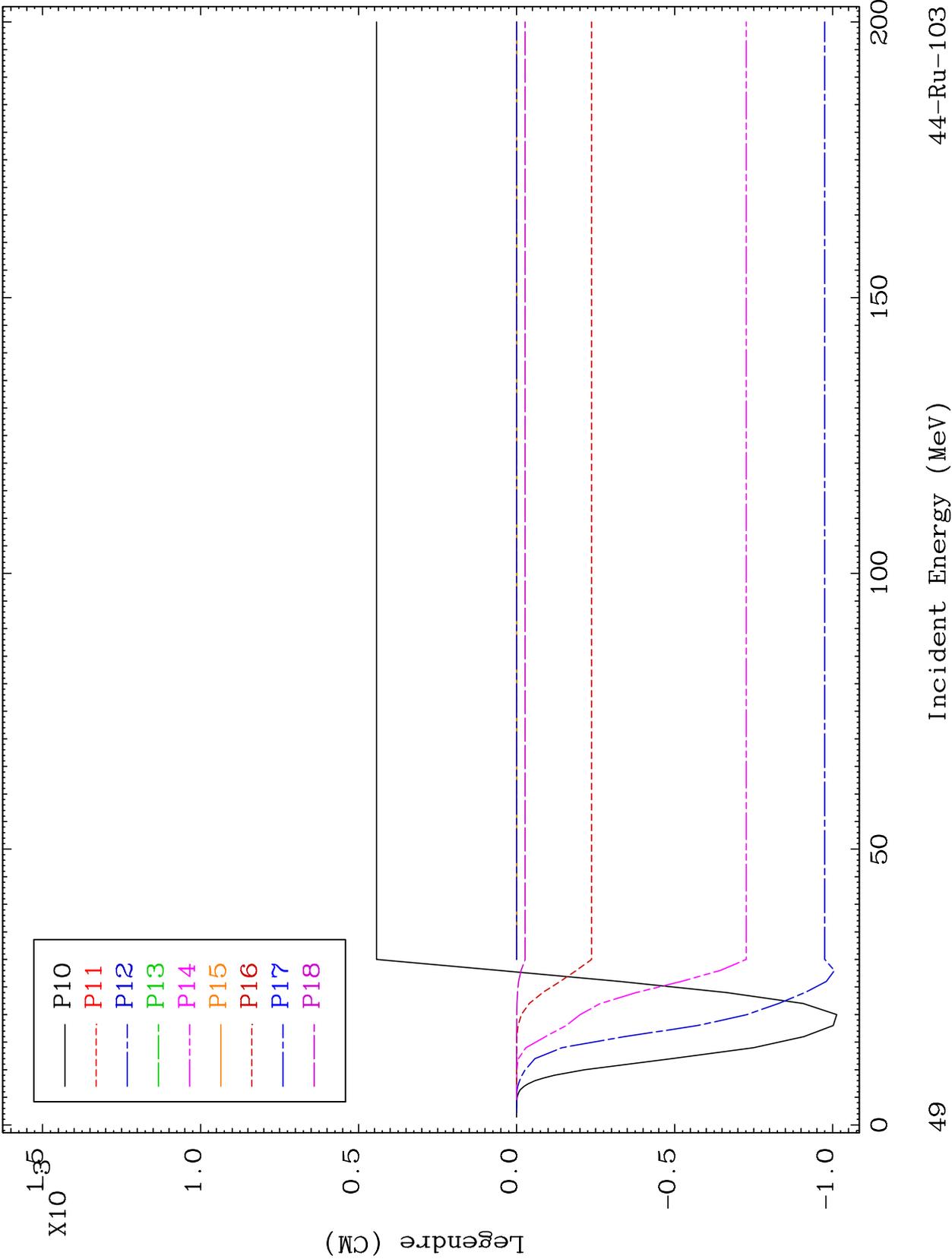


47

Incident Energy (MeV)

44-Ru-103

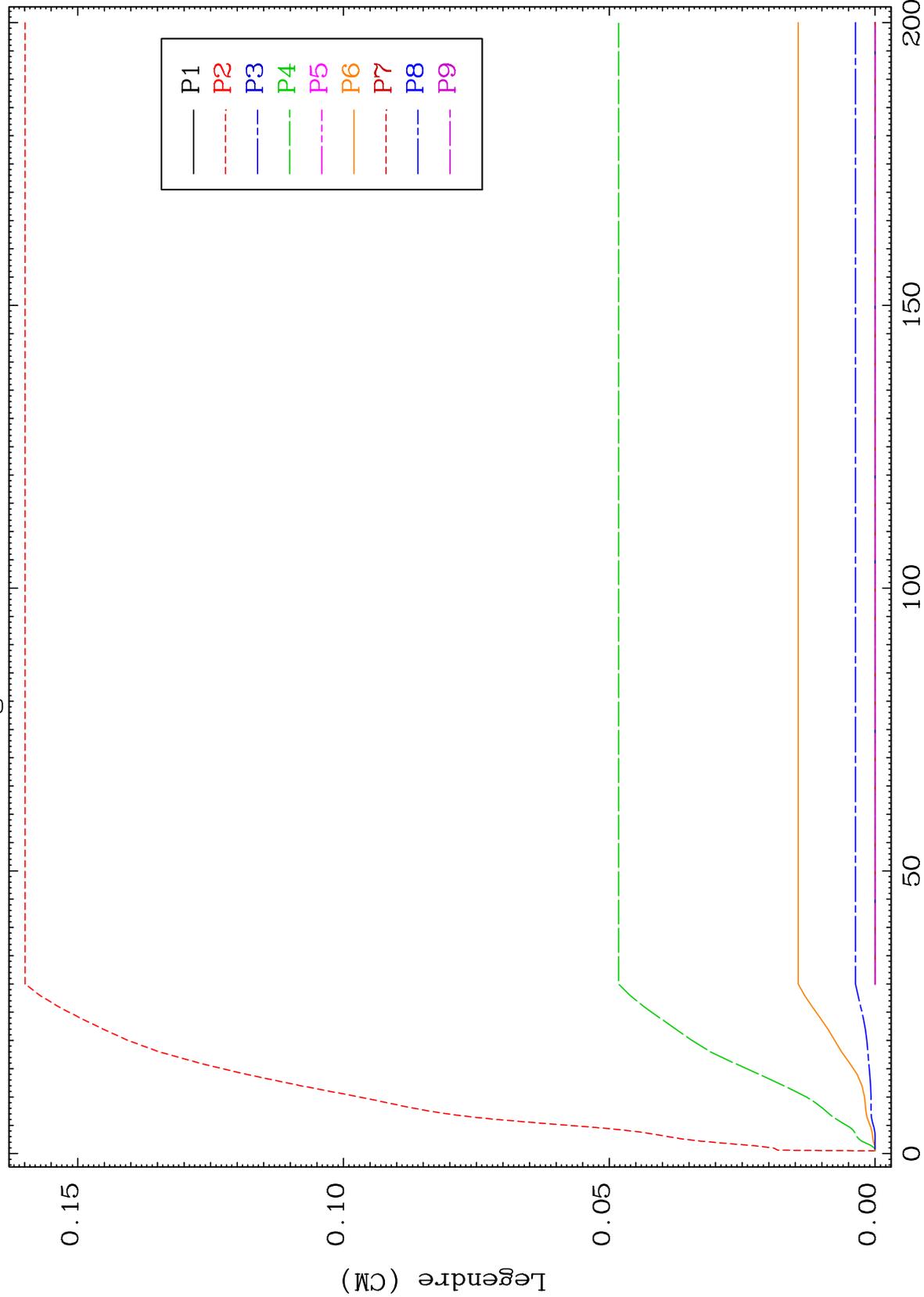




MAT 4446

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

44-Ru-103



51

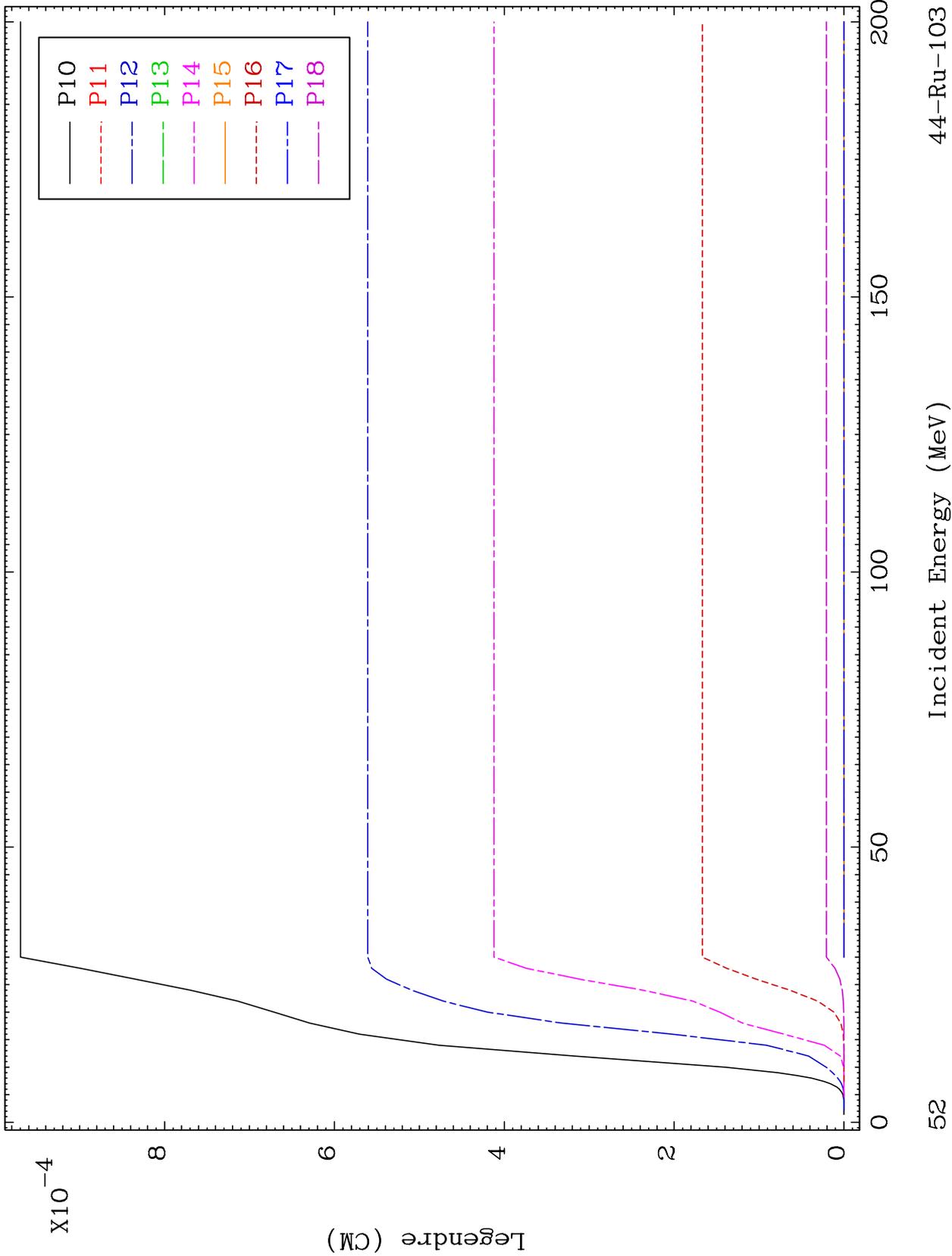
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



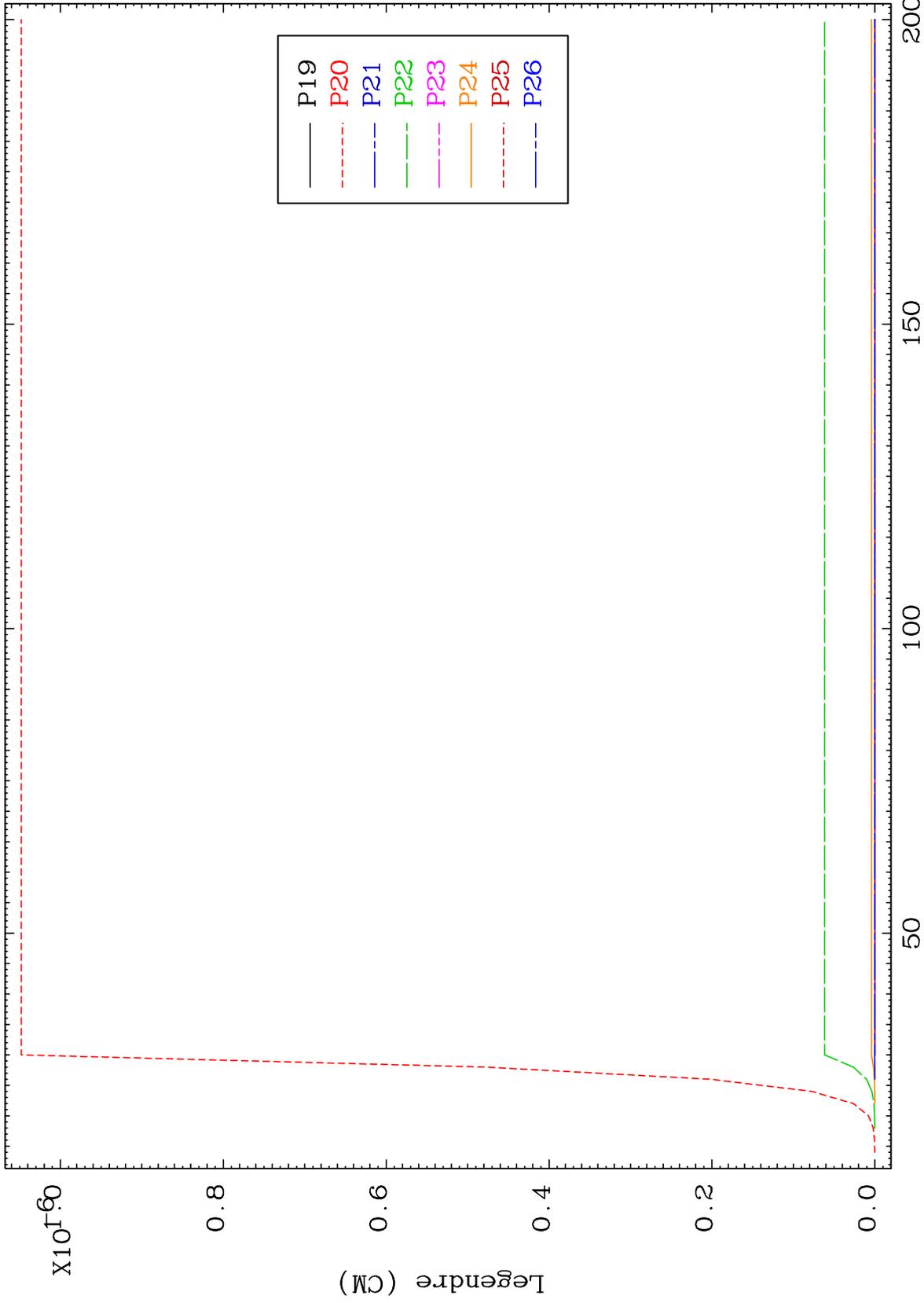
52

44-Ru-103

MAT 4446

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

44-Ru-103



53

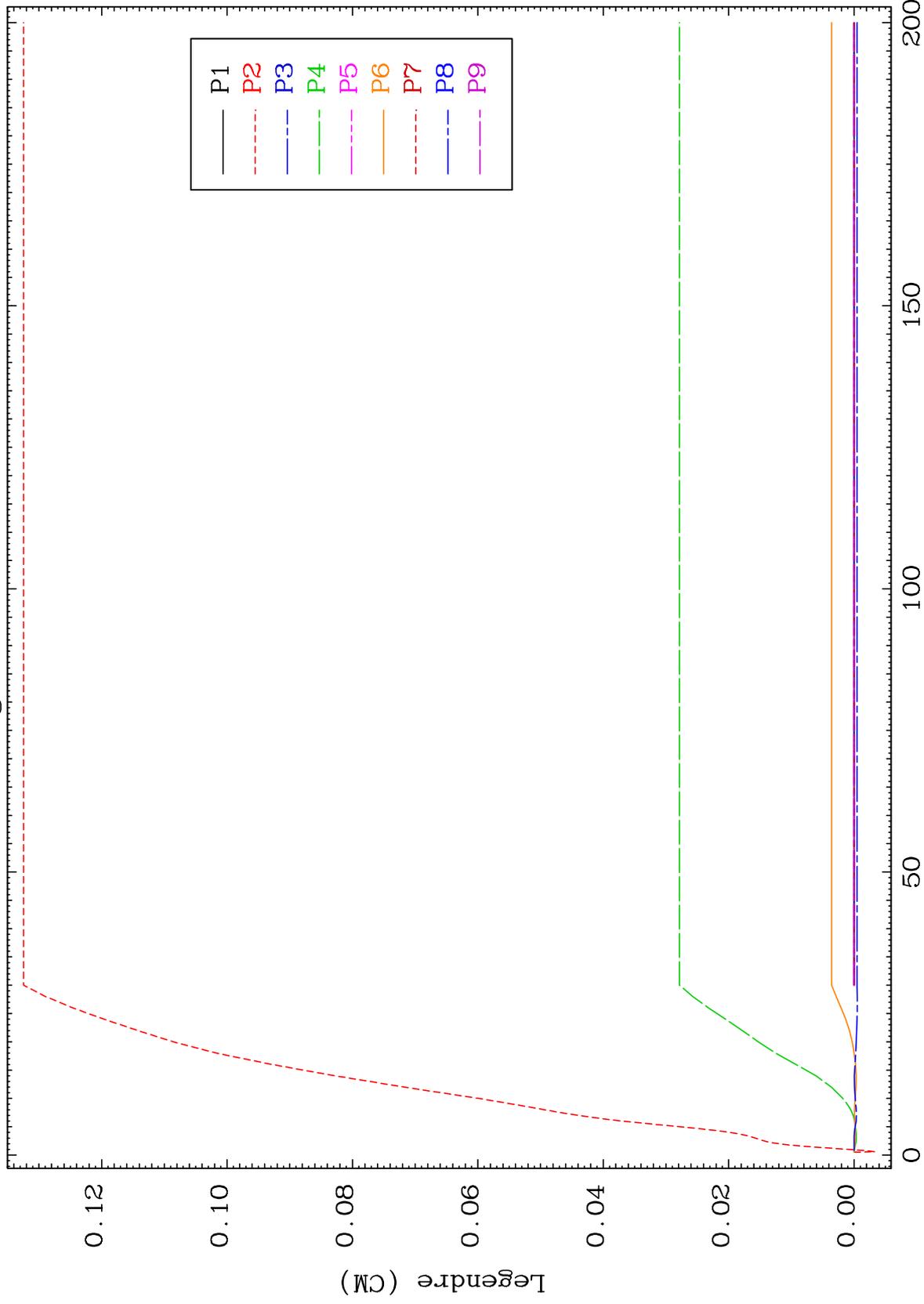
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



54

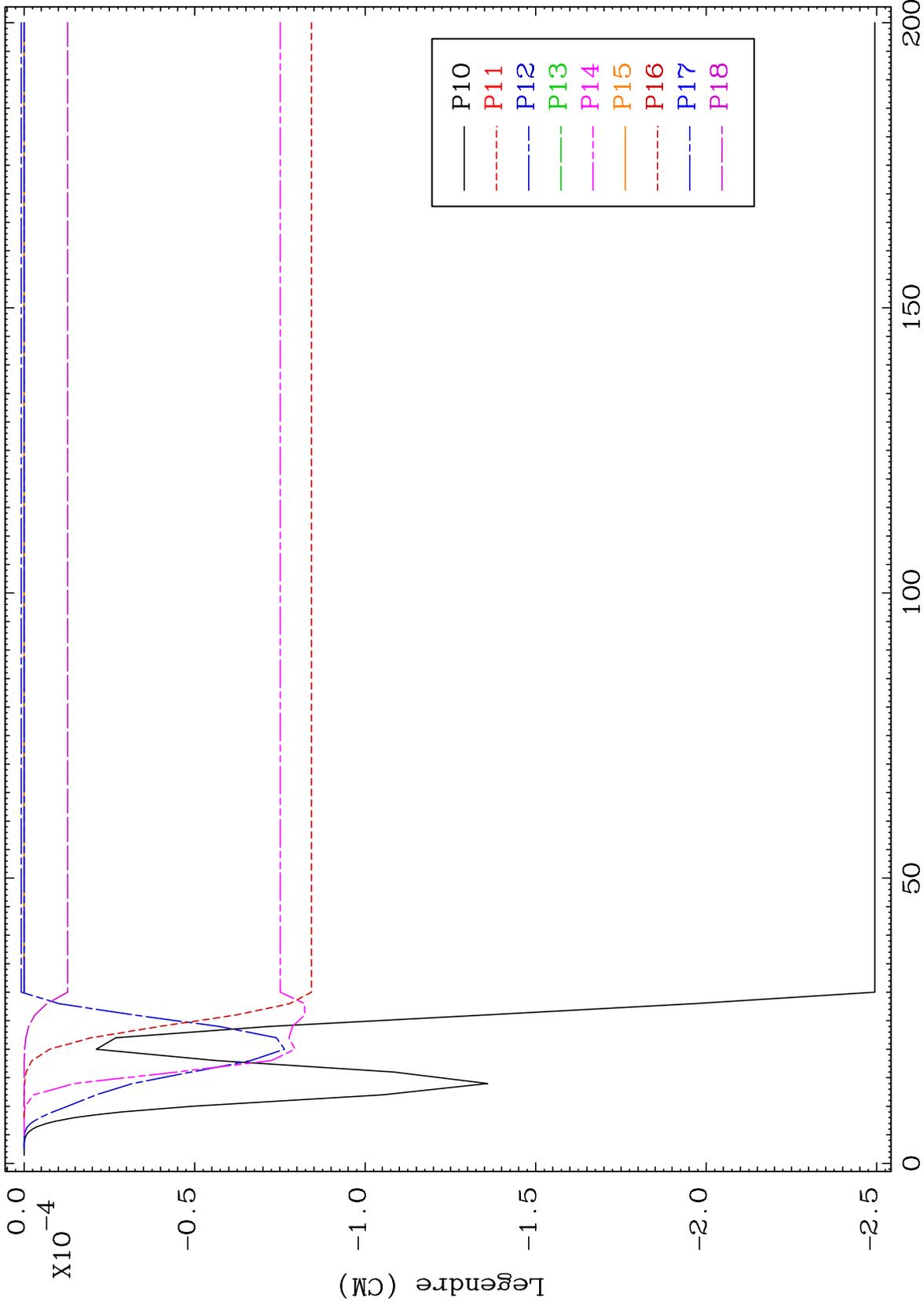
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



55

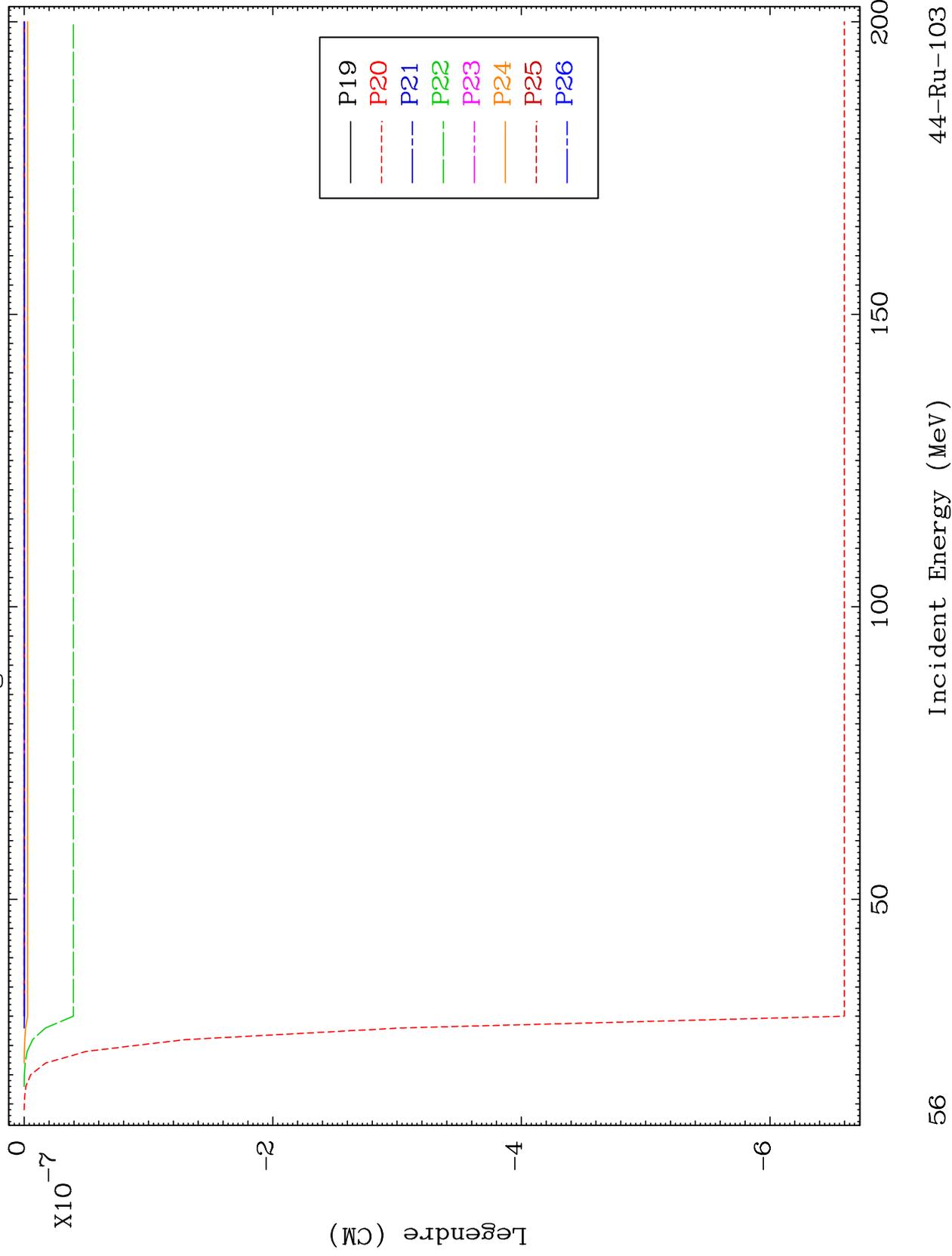
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



56

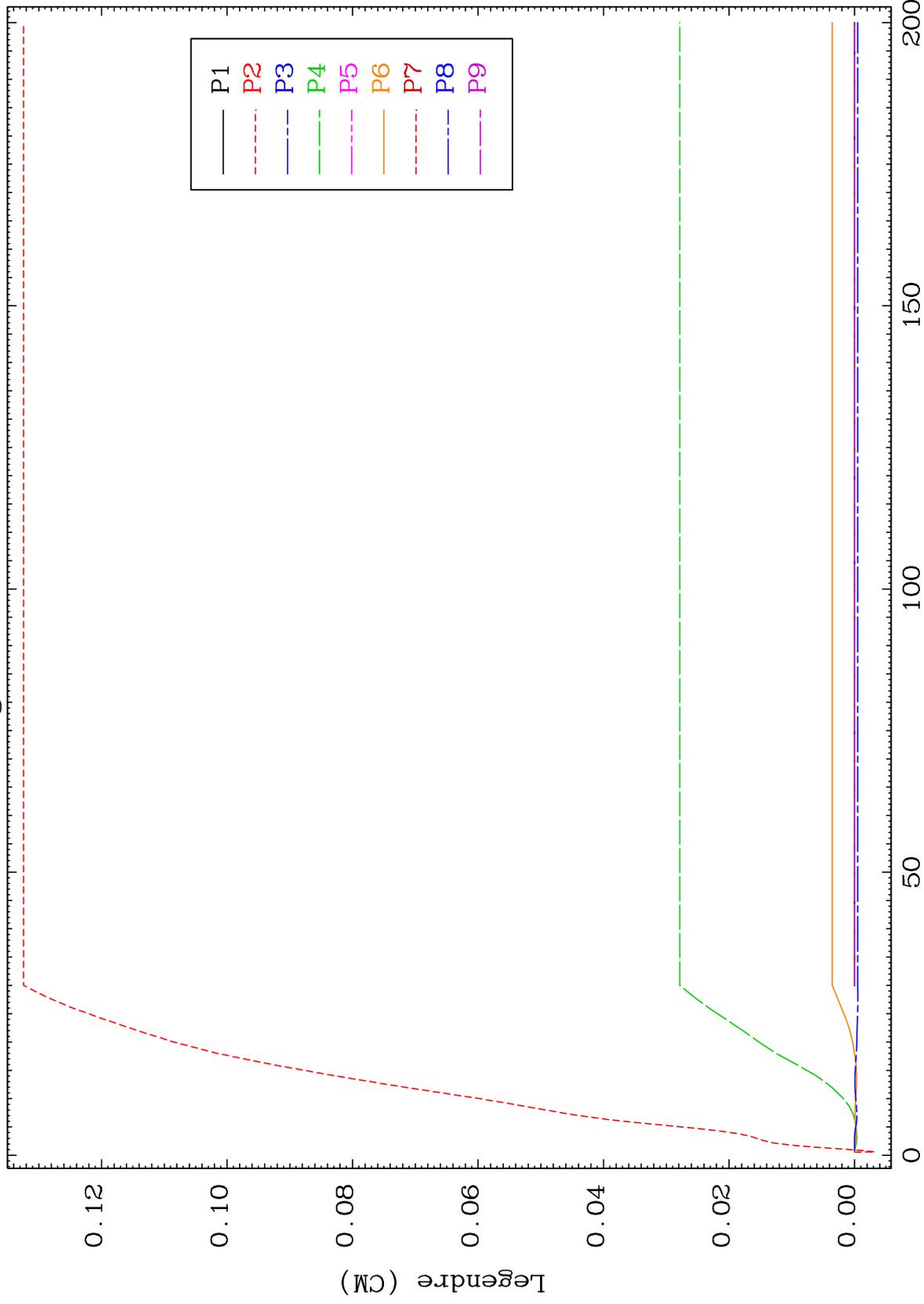
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



57

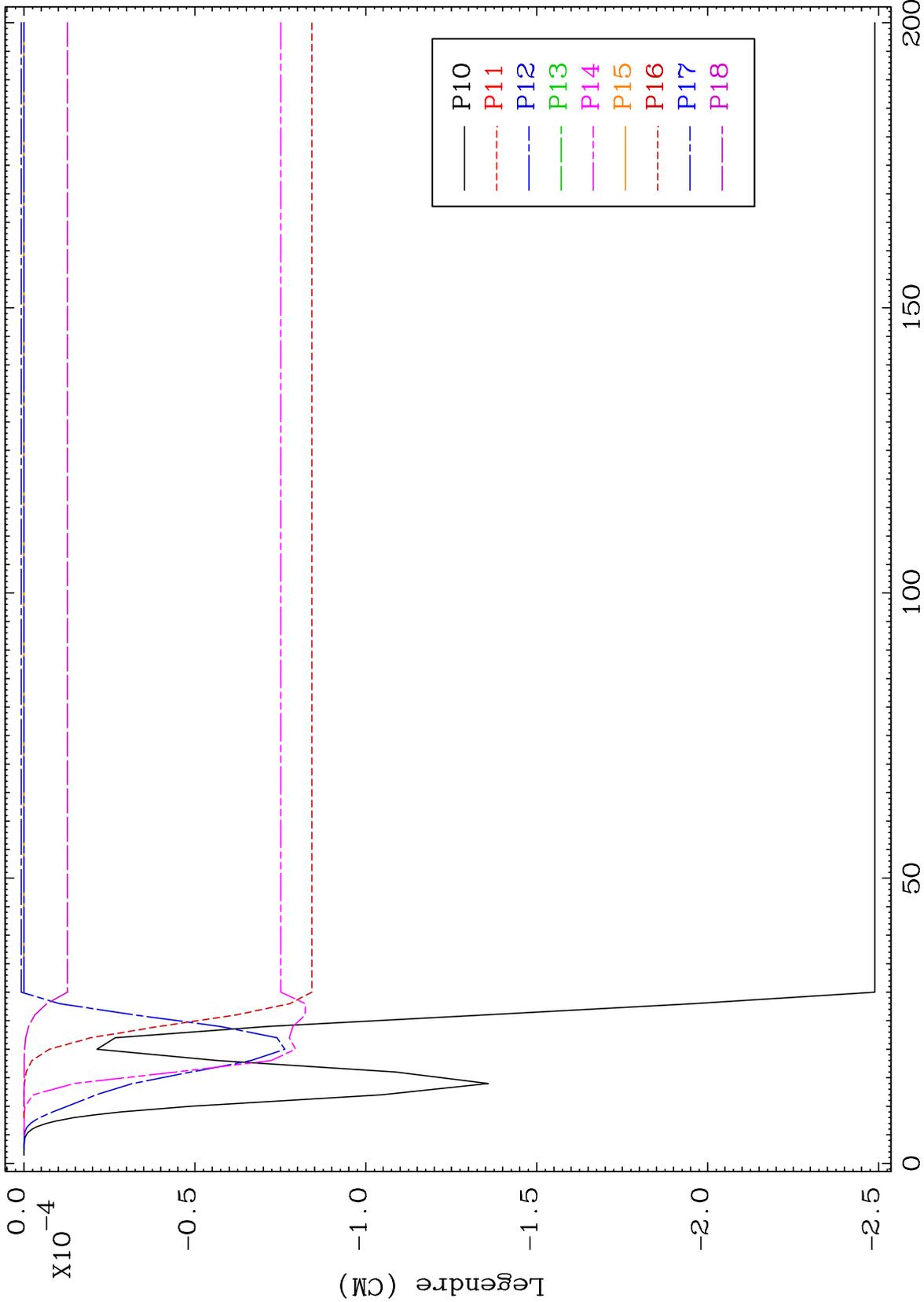
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



58

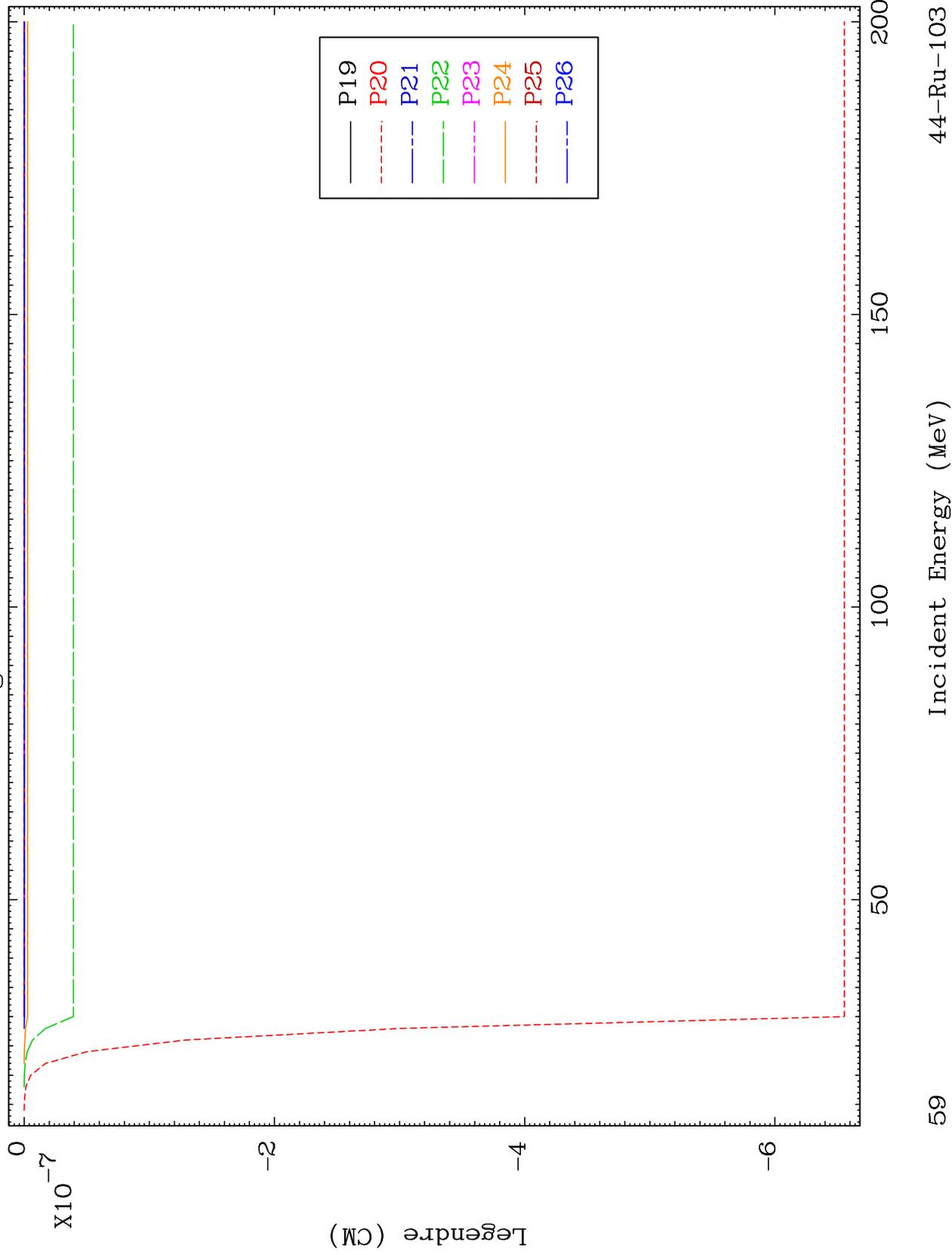
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



59

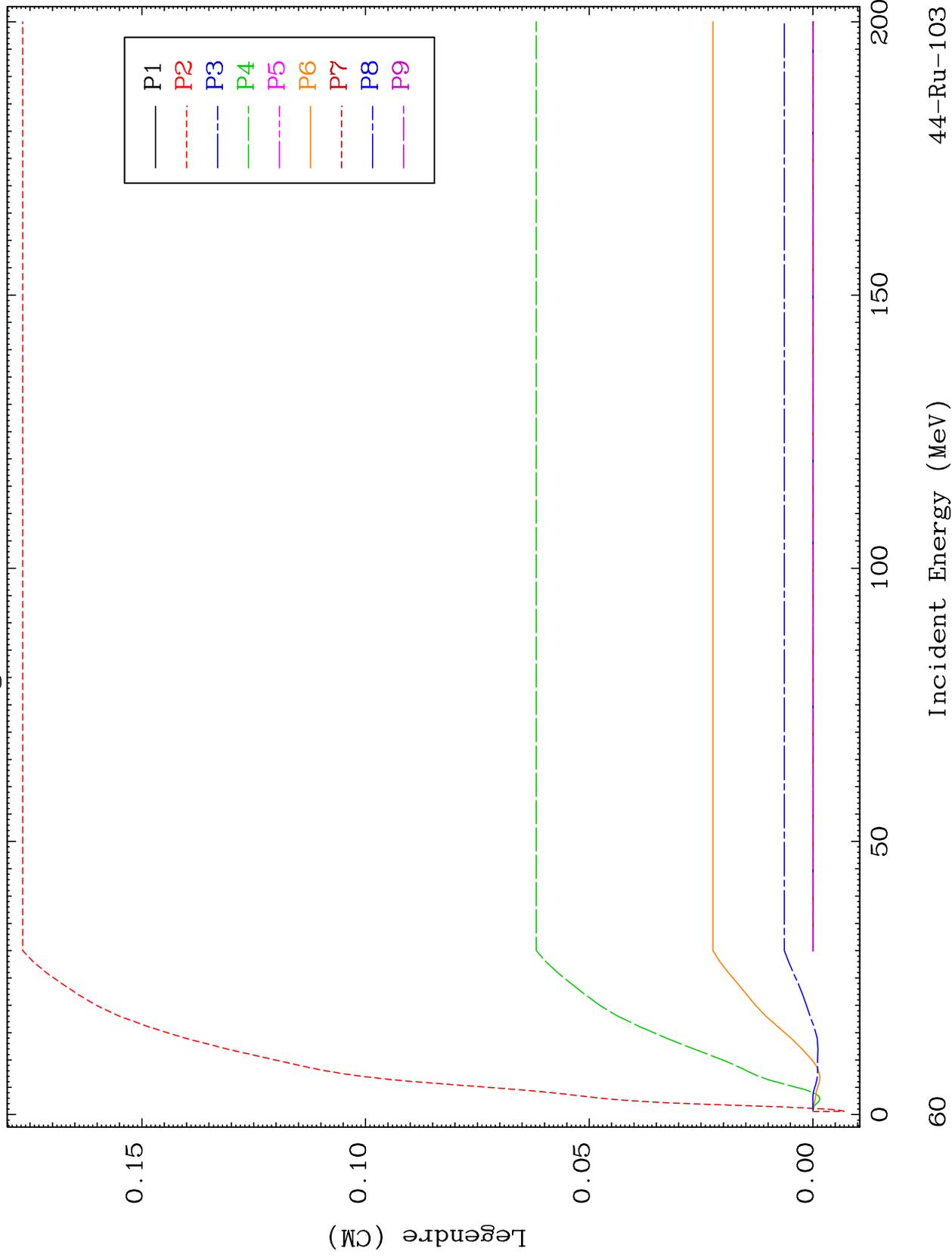
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103

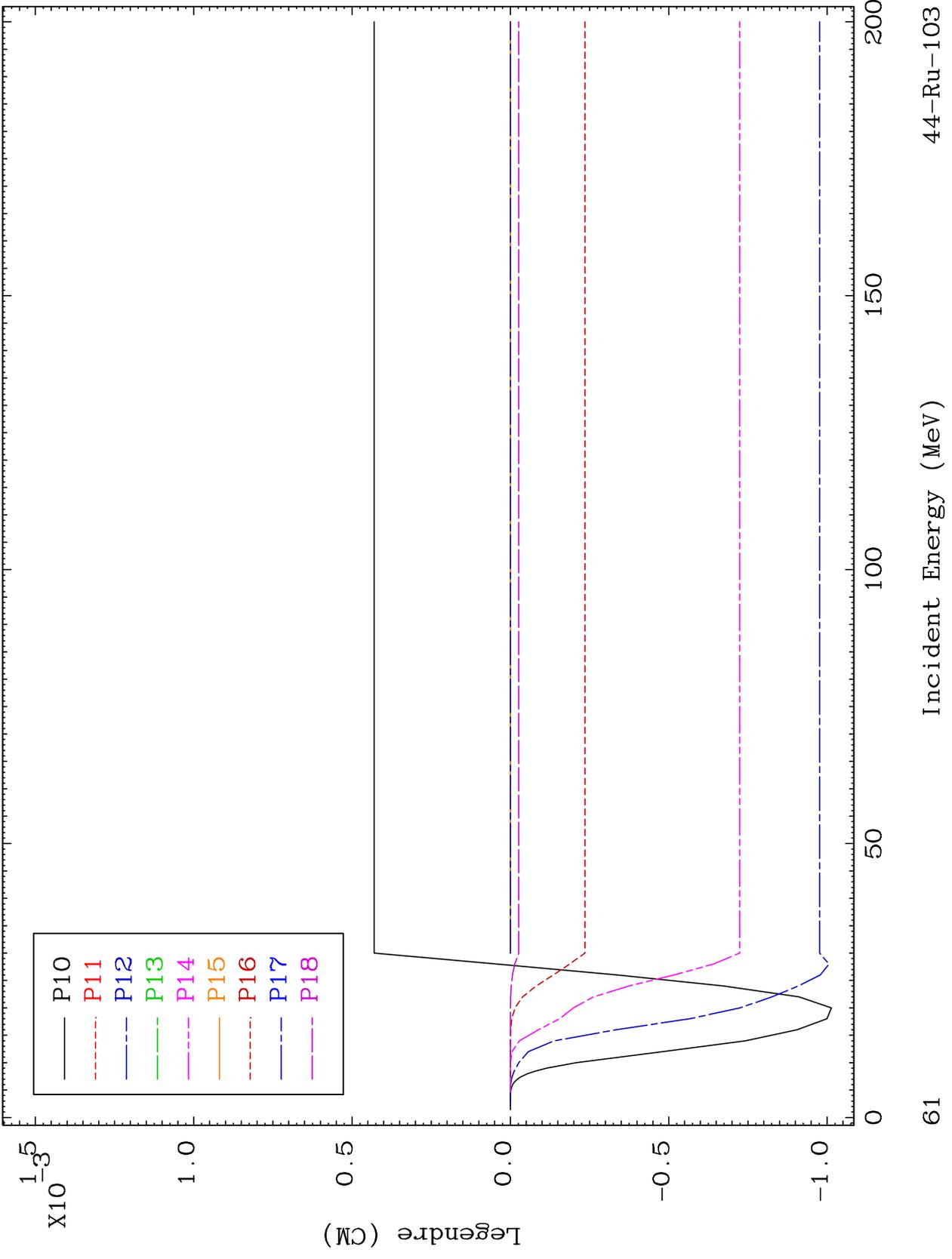


44-Ru-103

MAT 4446

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

44-Ru-103

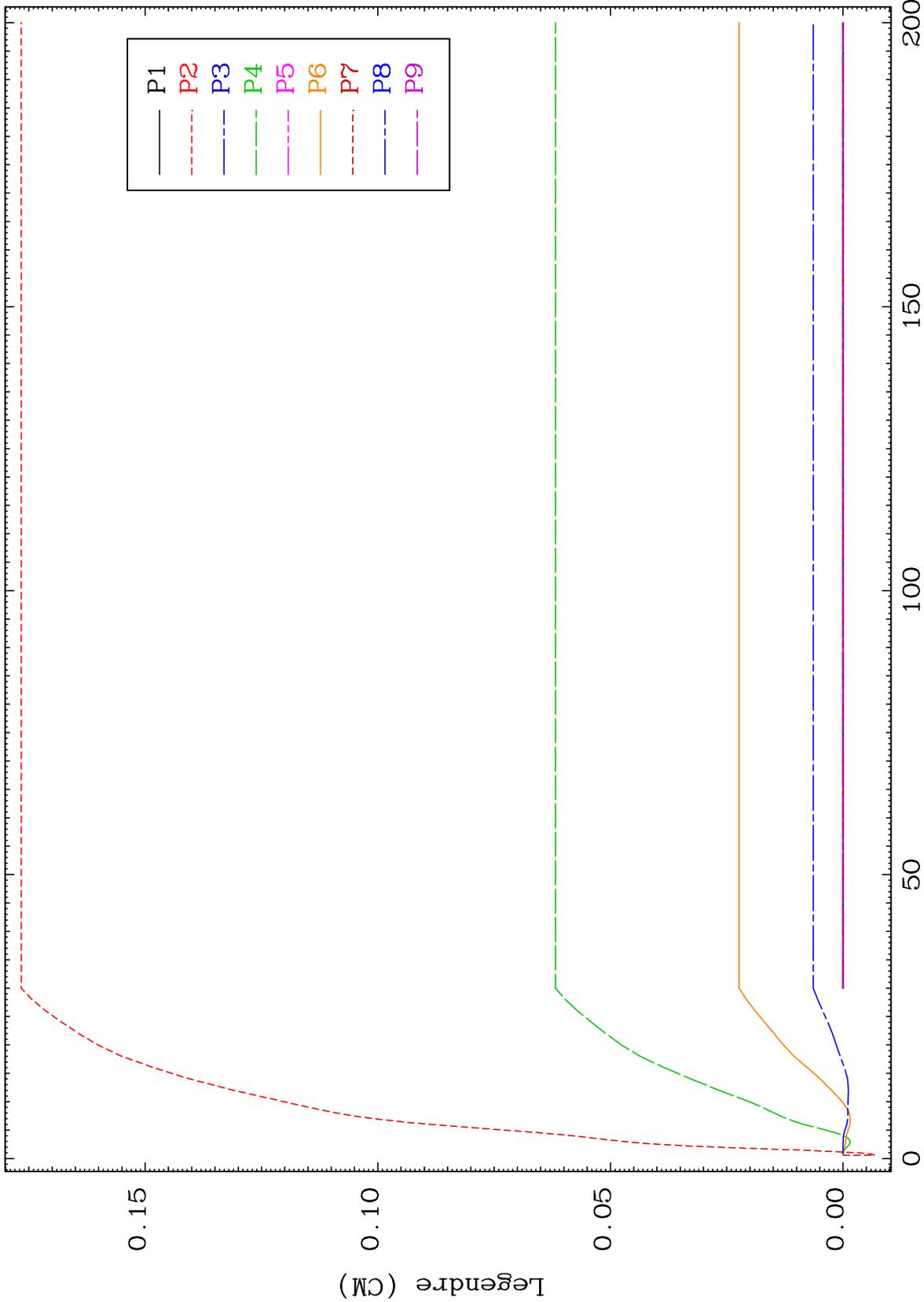


MAT 4446

MT= 65 (n,n') Level

44-Ru-103

Legendre Coefficients



63

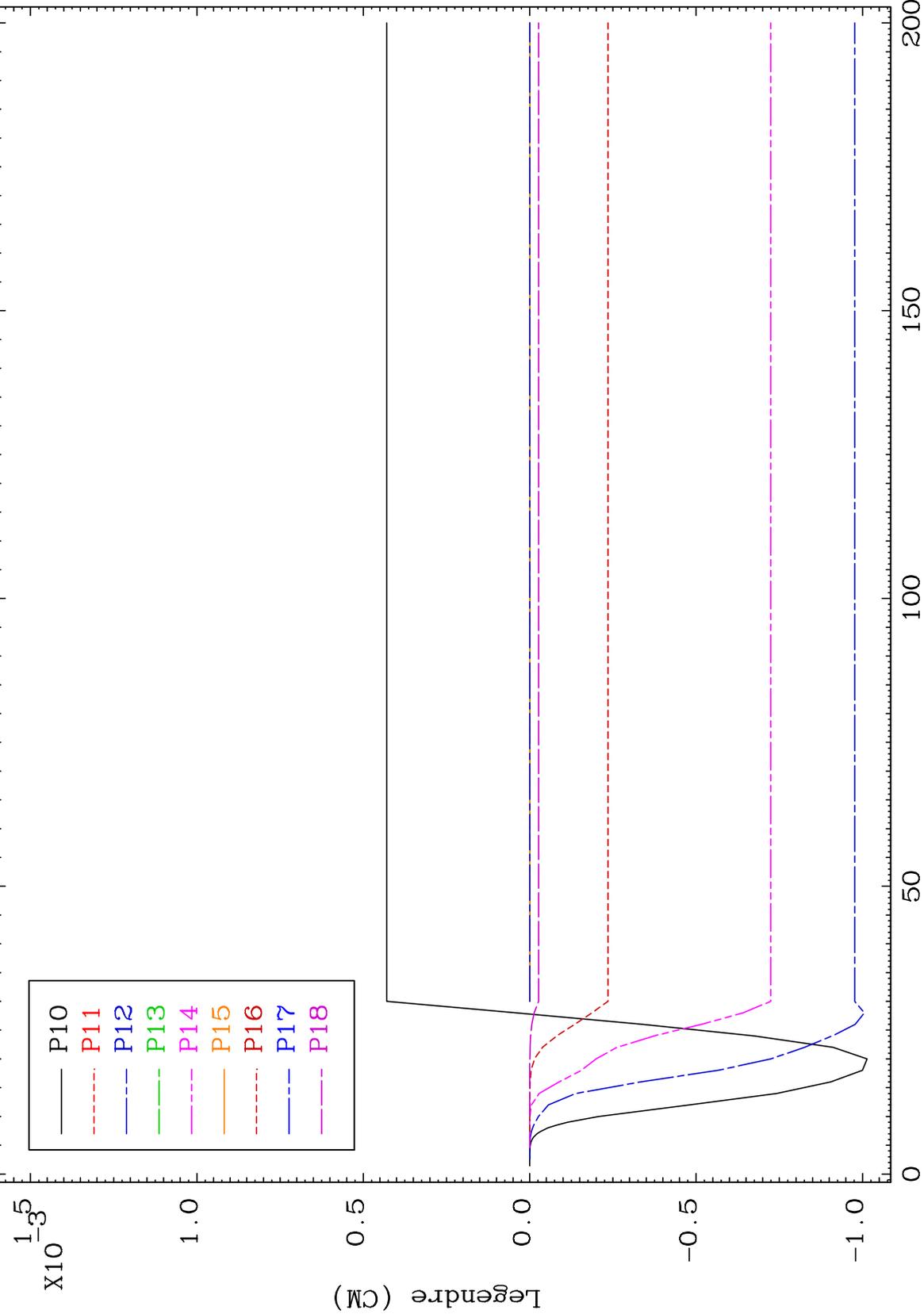
Incident Energy (MeV)

44-Ru-103

MAT 4446

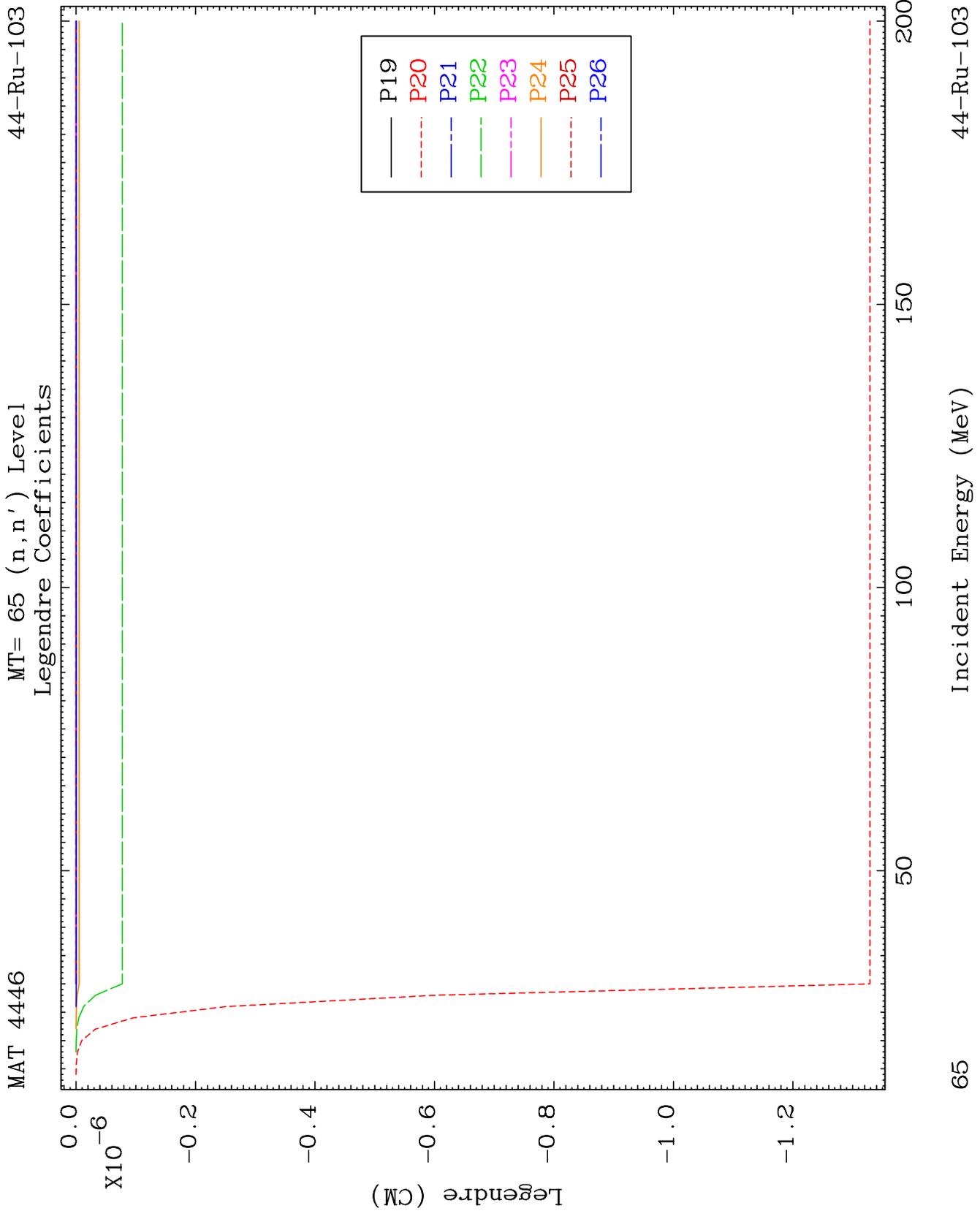
MT= 65 (n,n') Level
Legendre Coefficients

44-Ru-103



64

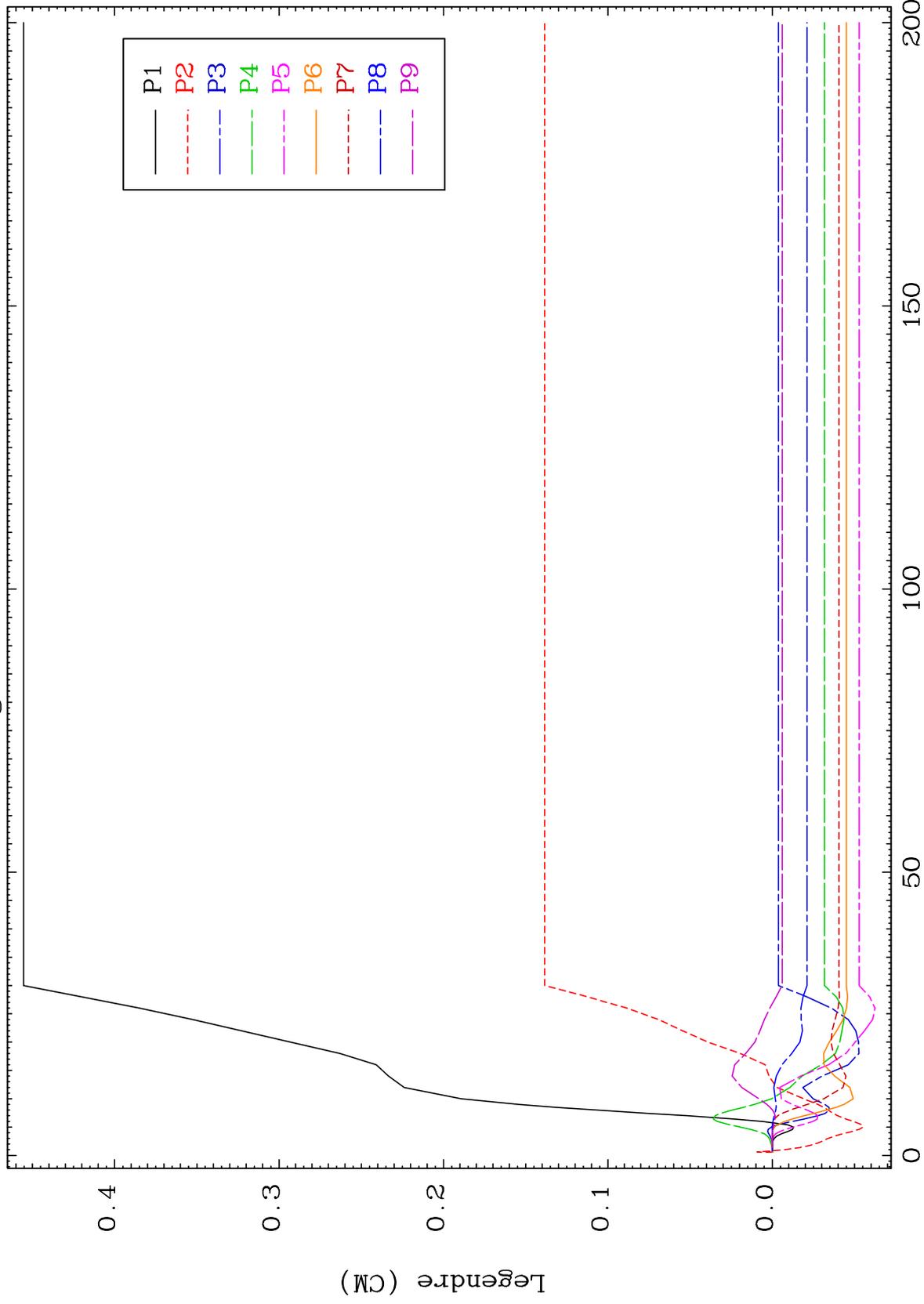
44-Ru-103



MAT 4446

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

44-Ru-103



66

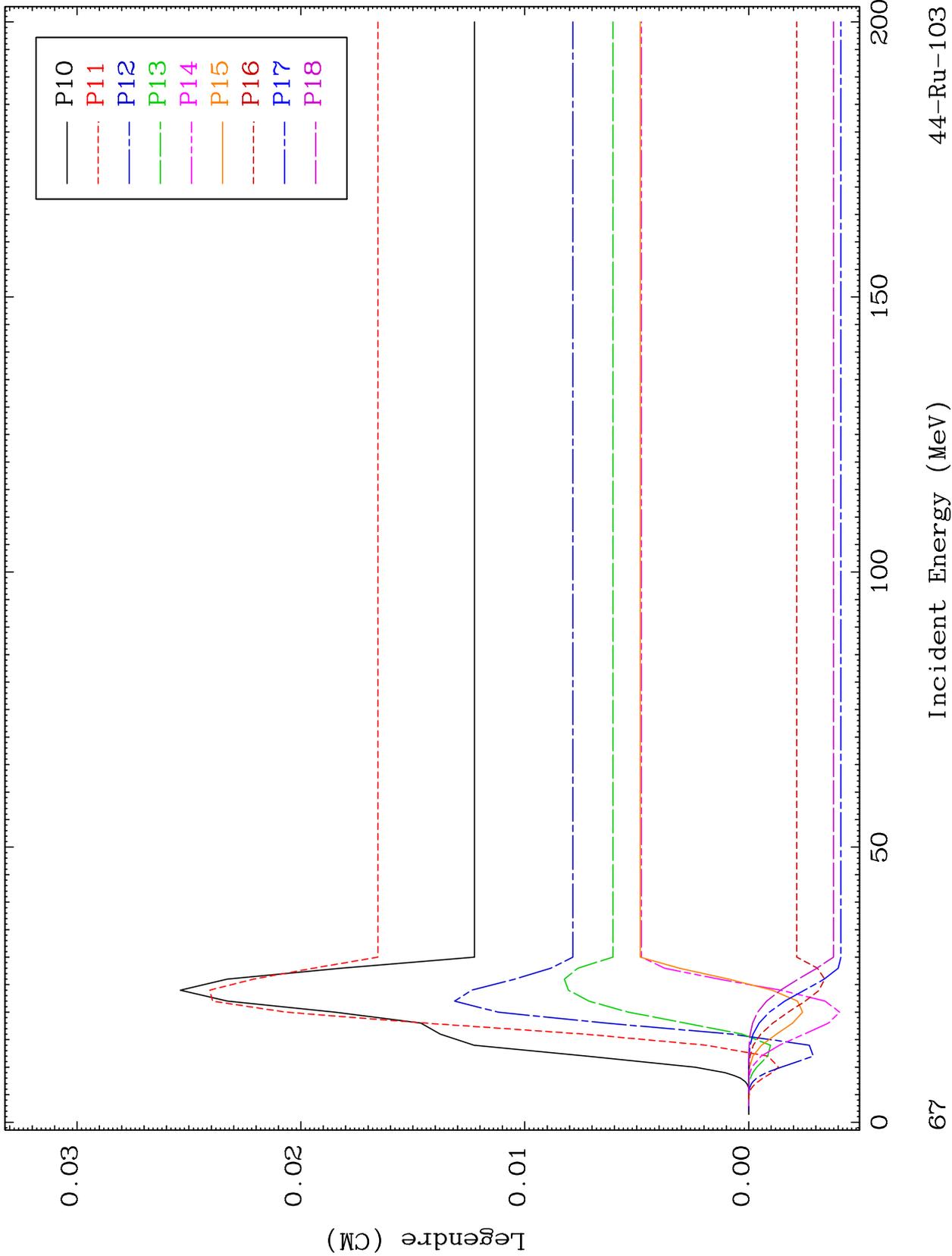
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

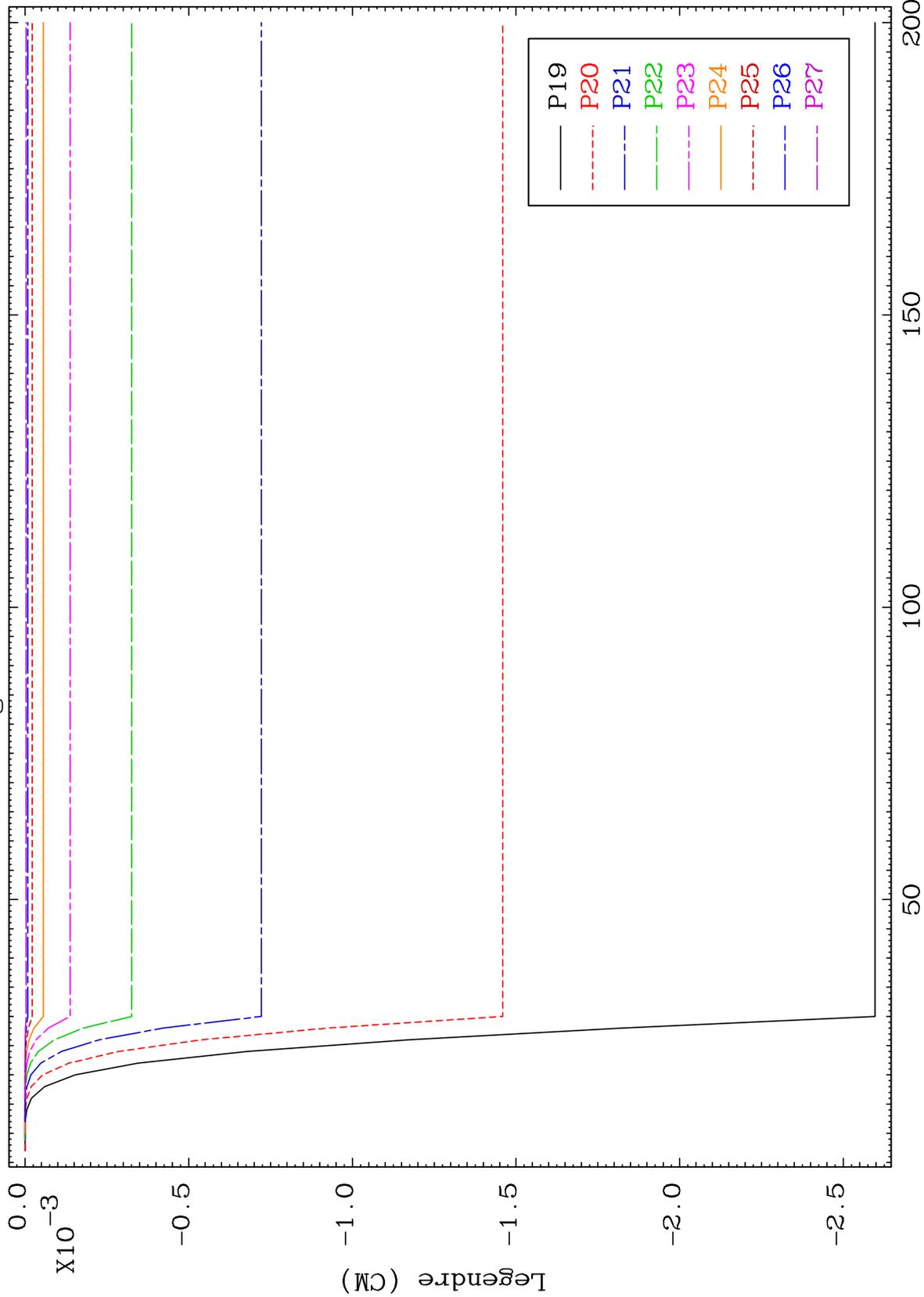
44-Ru-103



MAT 4446

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

44-Ru-103

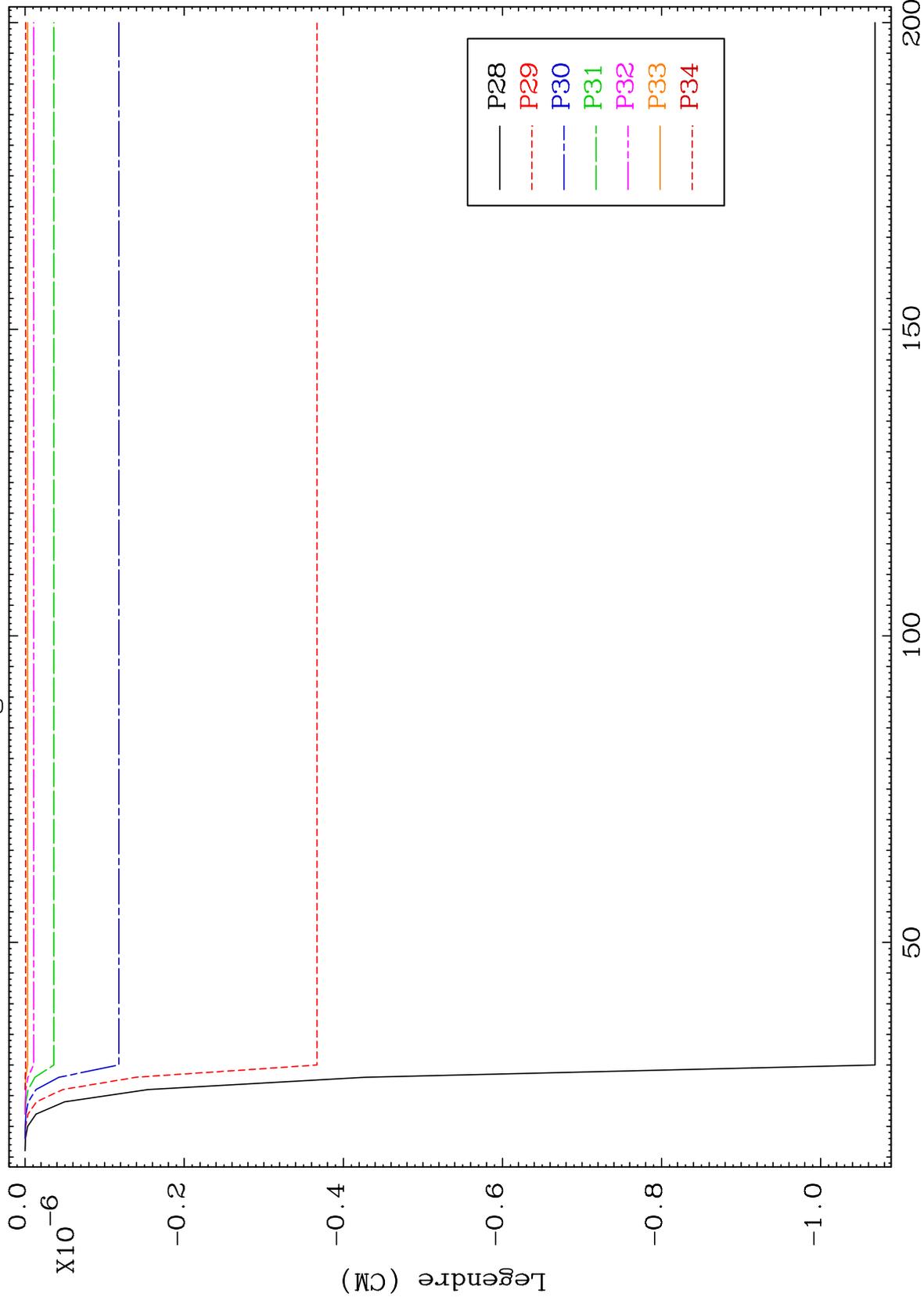


MAT 4446

MT= 66 (n,n') Level

44-Ru-103

Legendre Coefficients



69

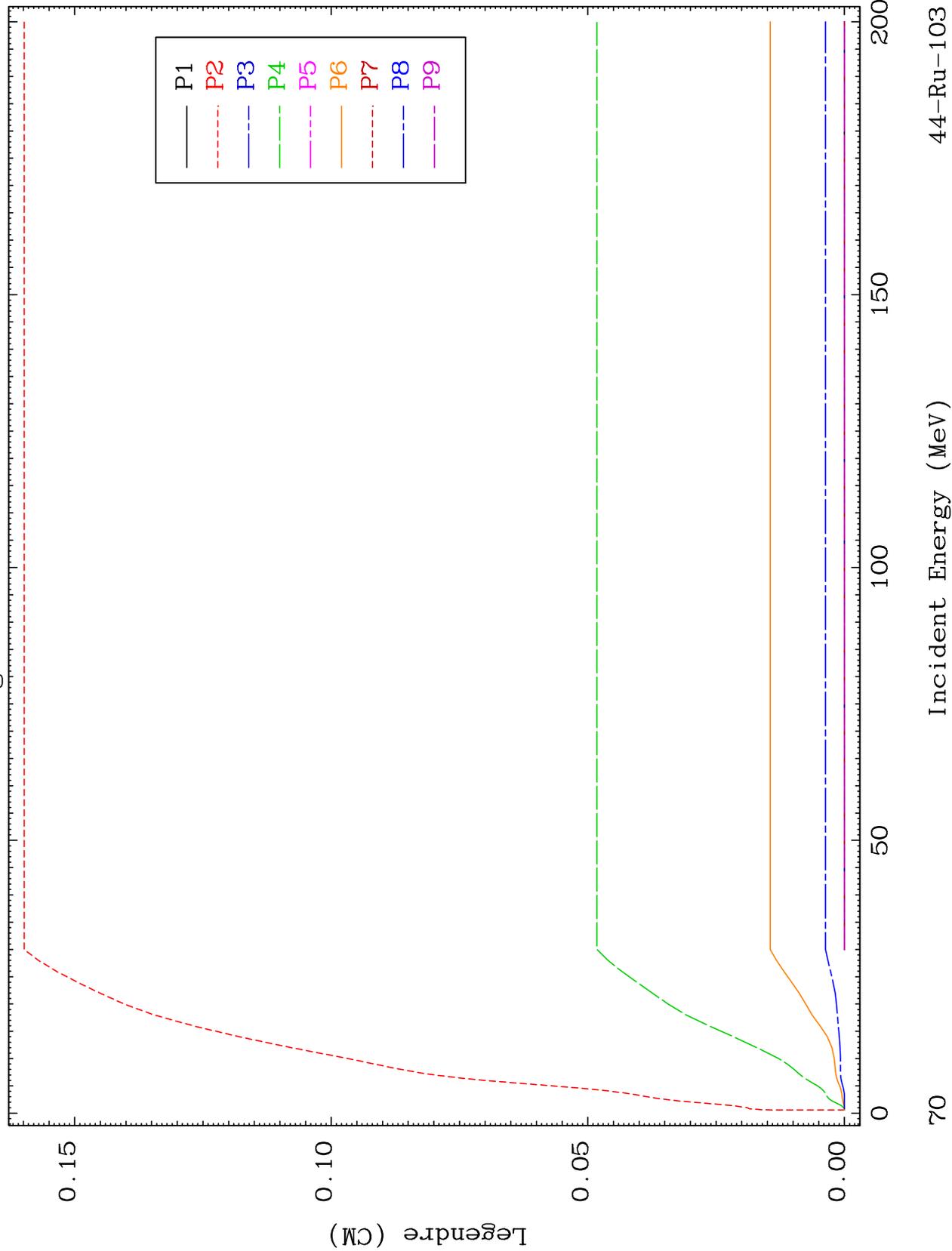
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



44-Ru-103

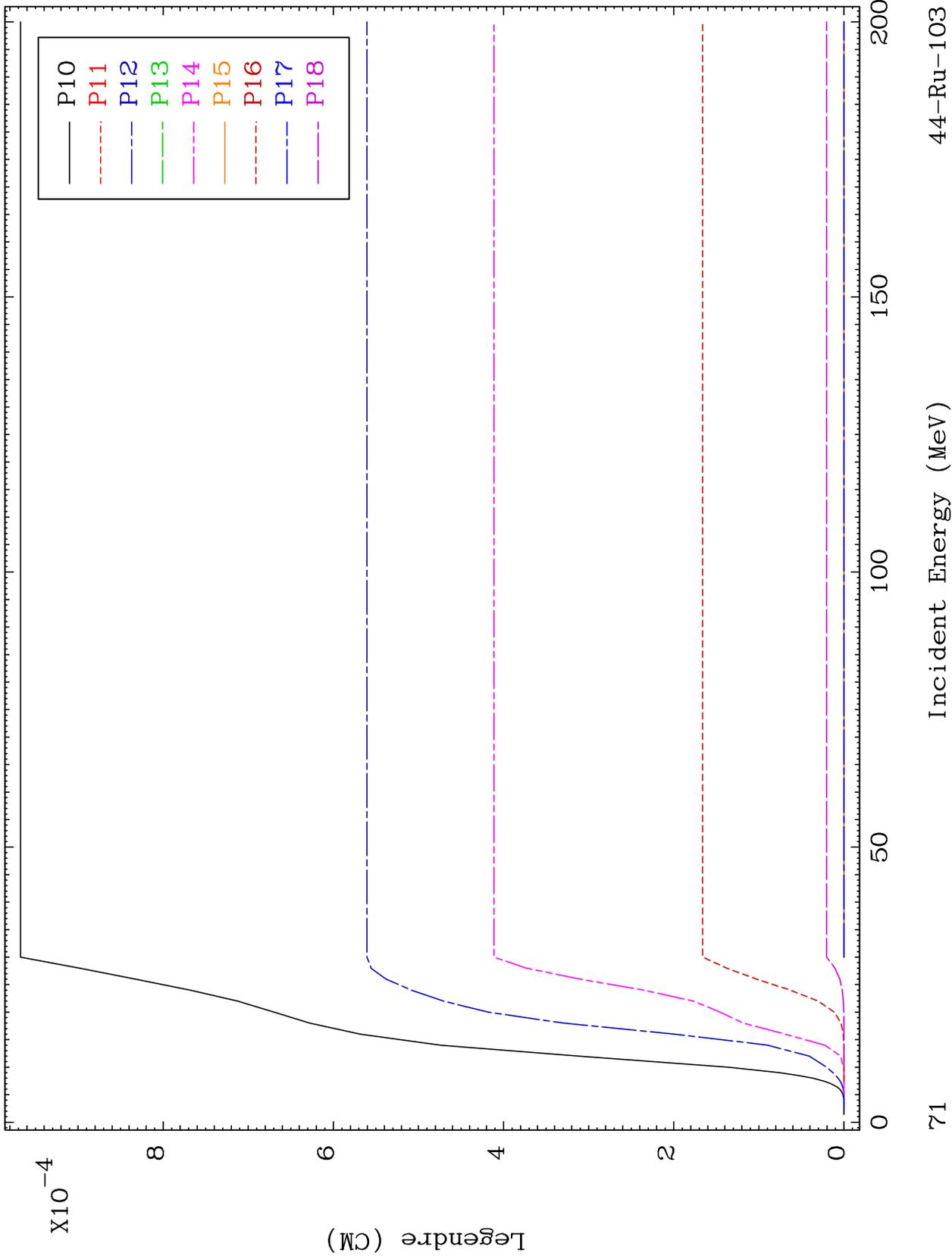
Incident Energy (MeV)

70

MAT 4446

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

44-Ru-103

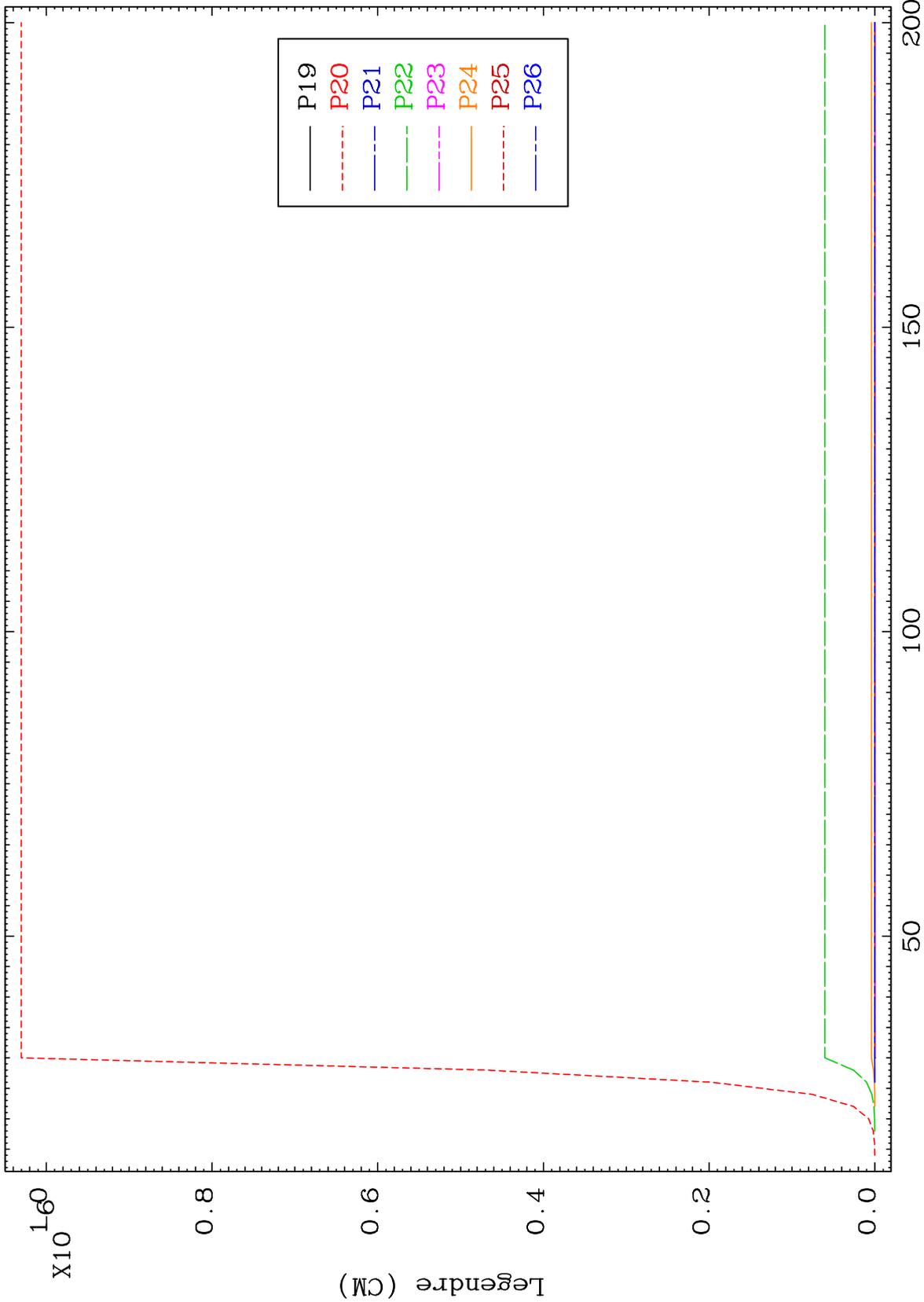


71

MAT 4446

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

44-Ru-103



72

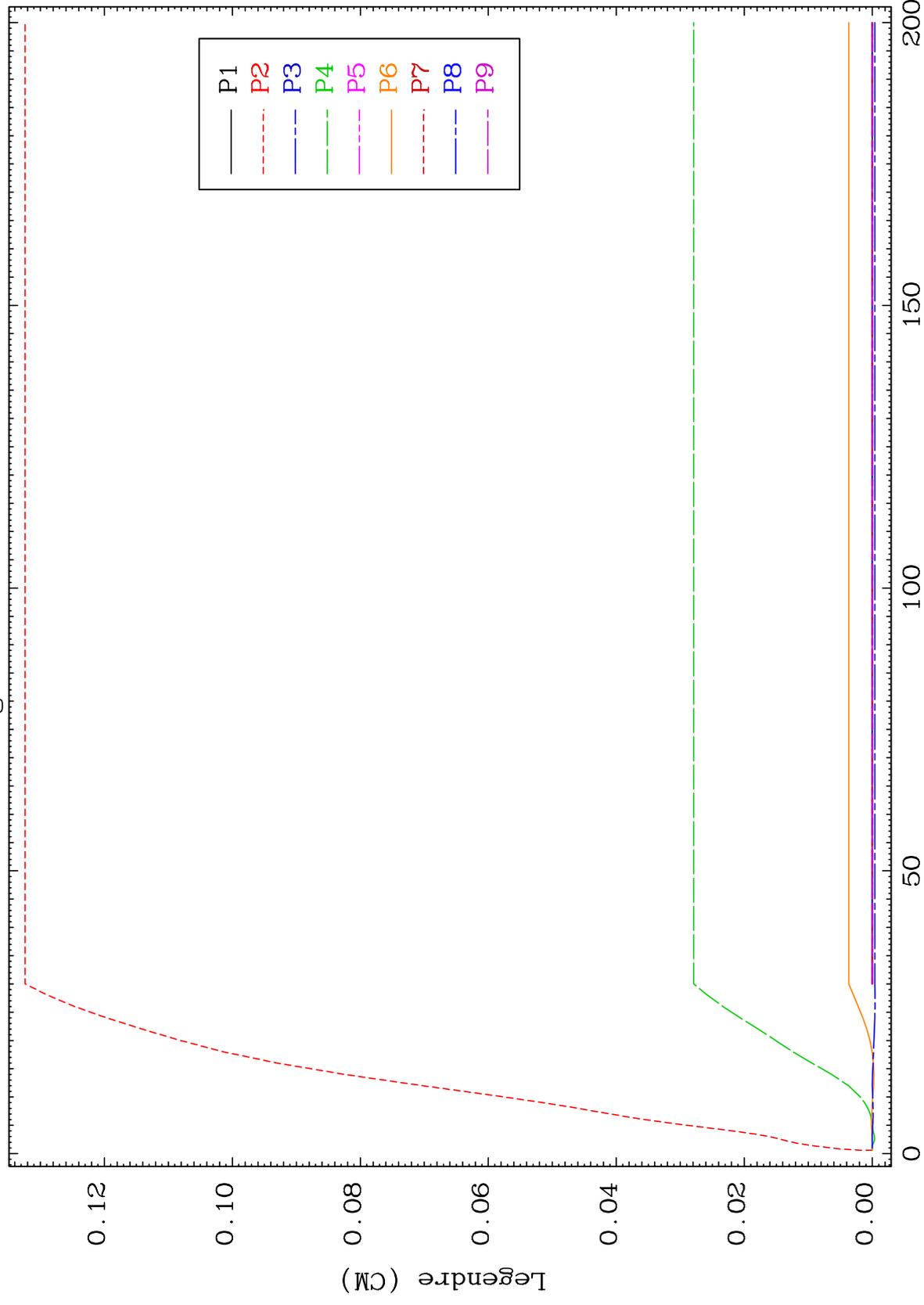
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



73

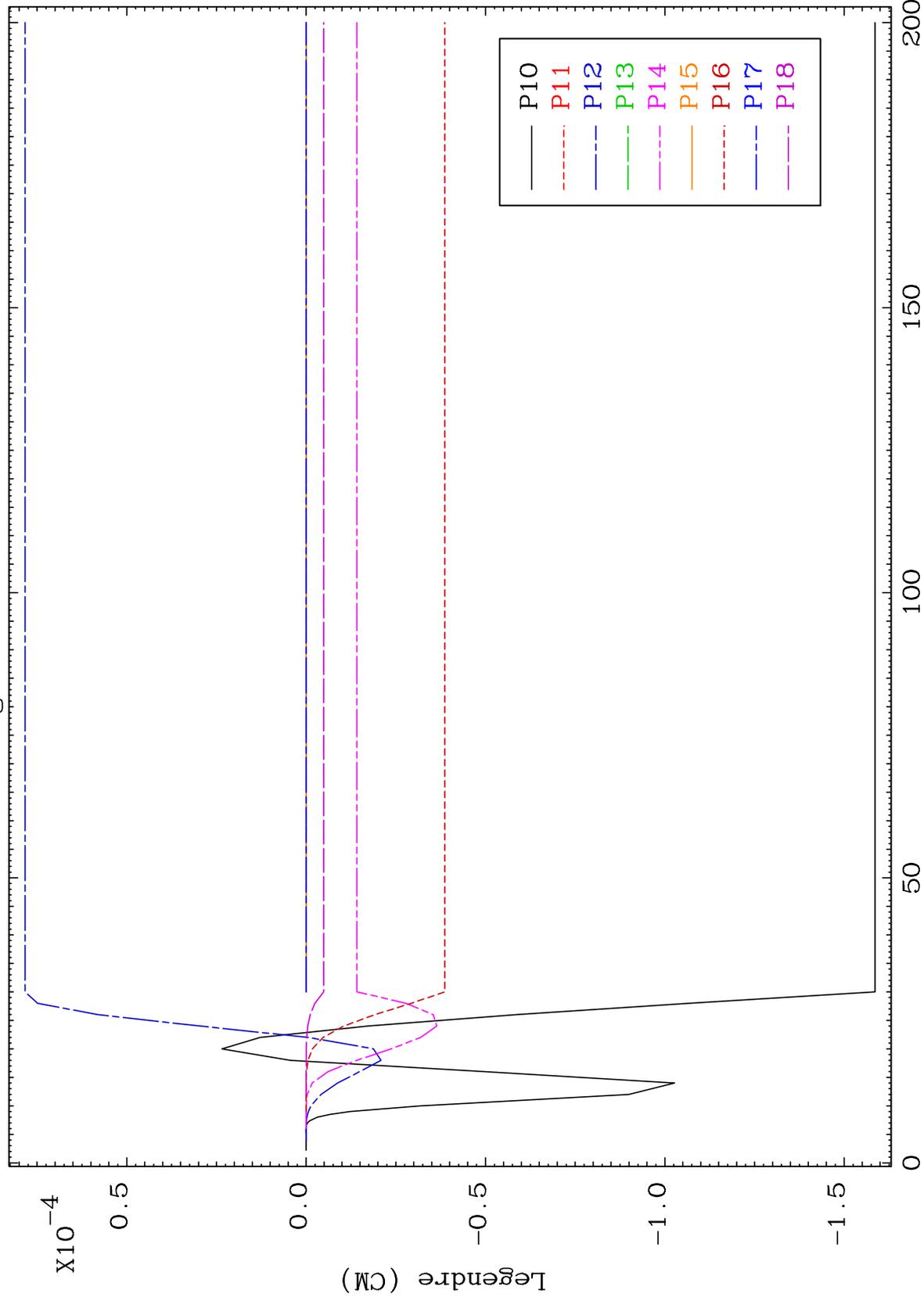
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



74

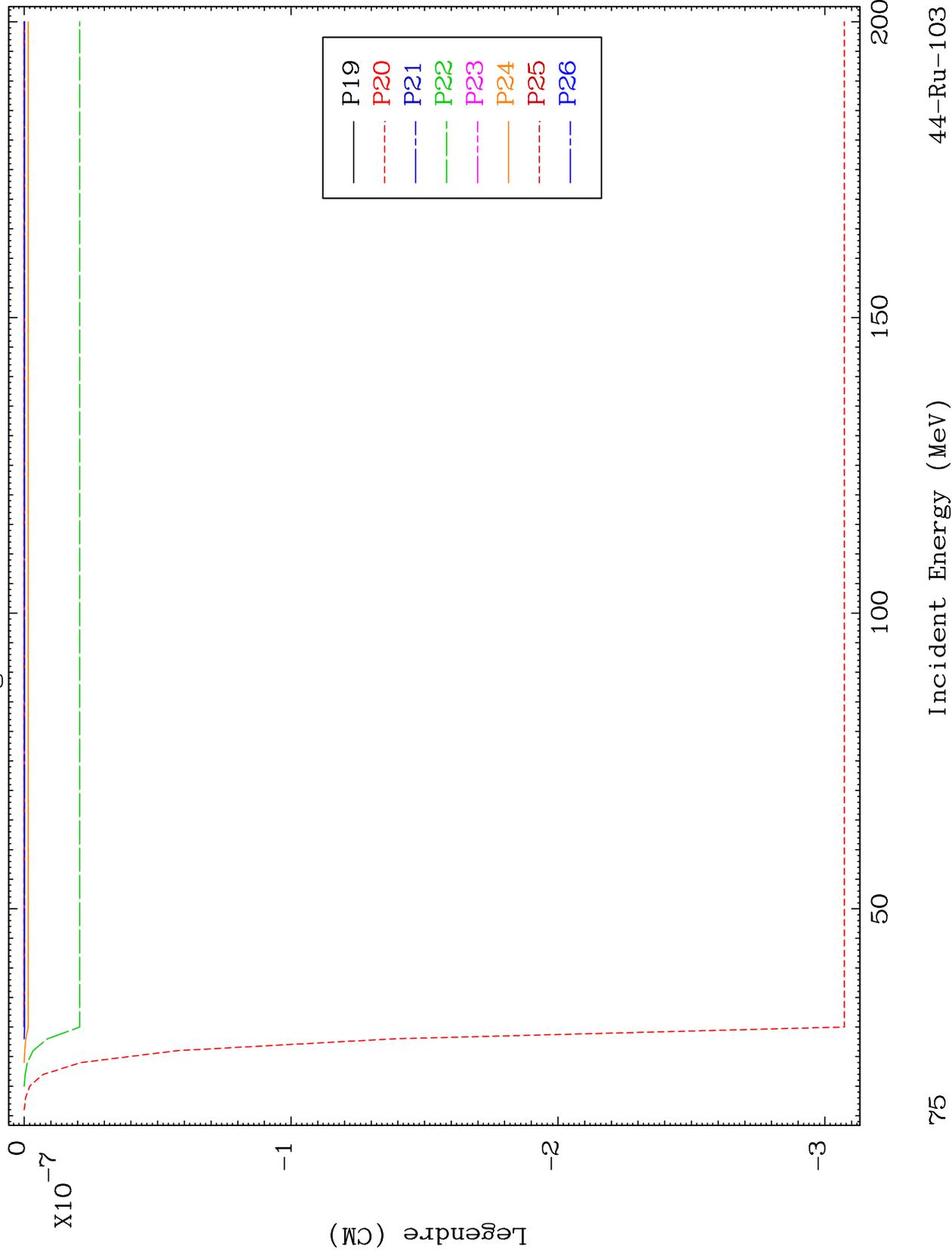
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



44-Ru-103

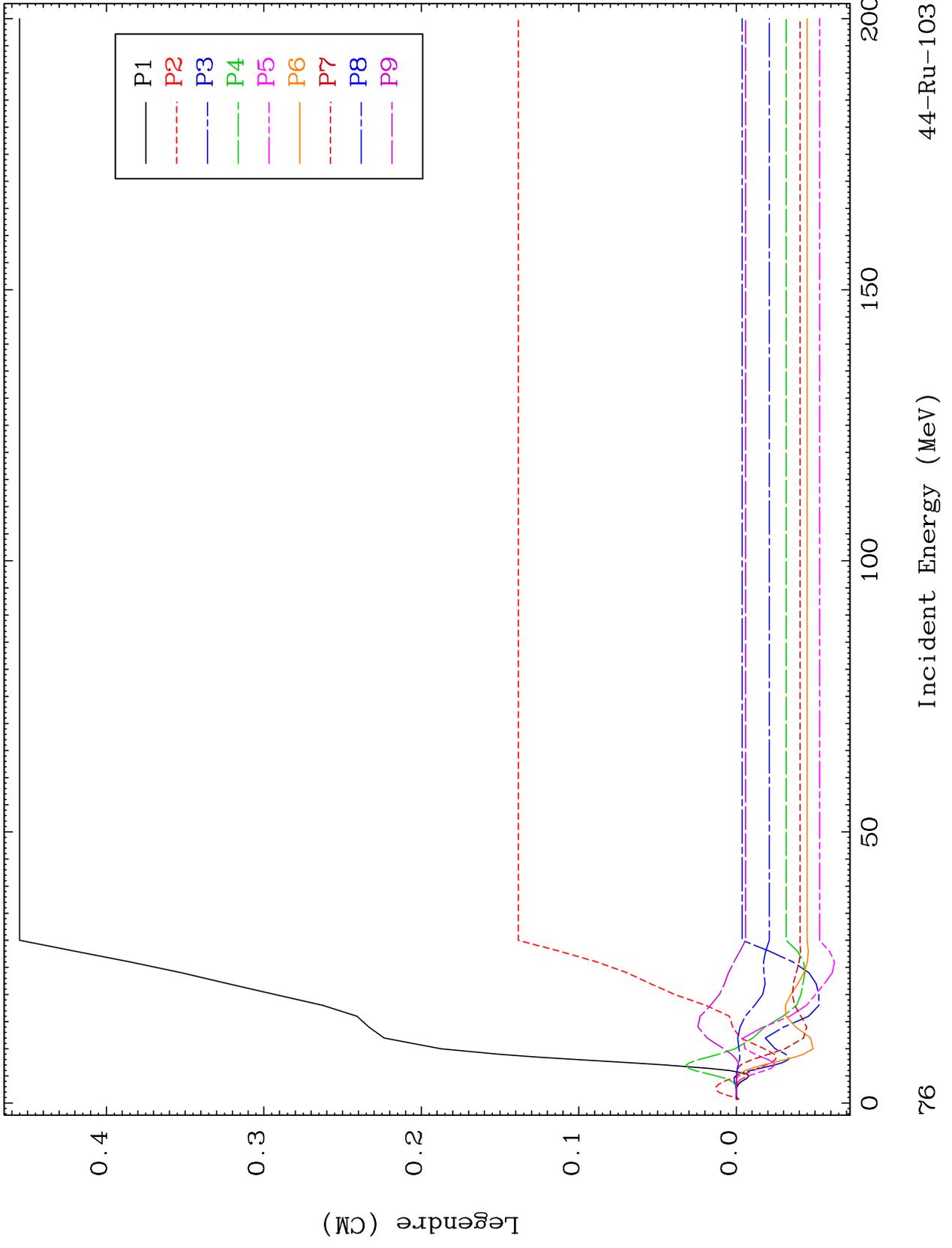
Incident Energy (MeV)

75

MAT 4446

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

44-Ru-103



76

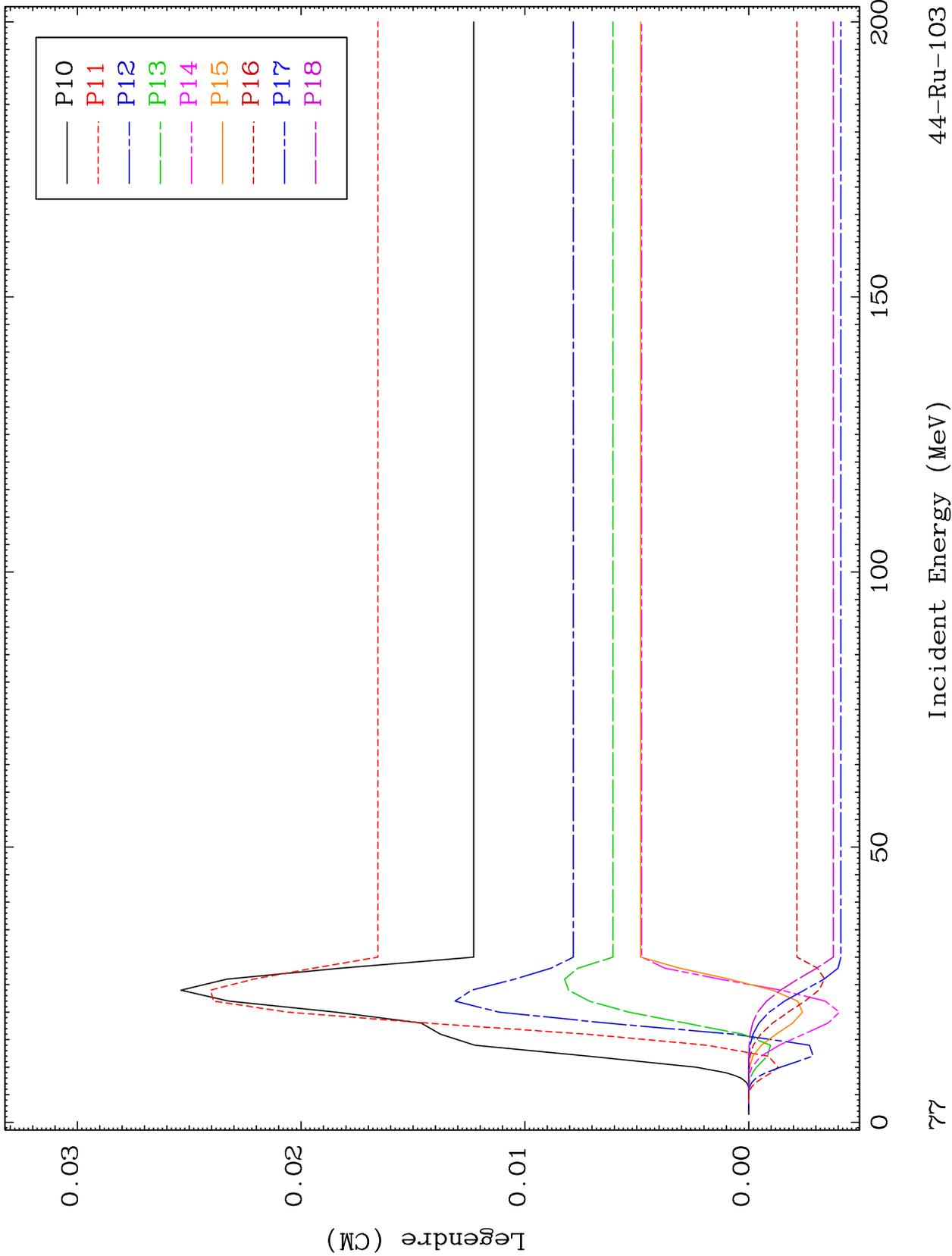
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



77

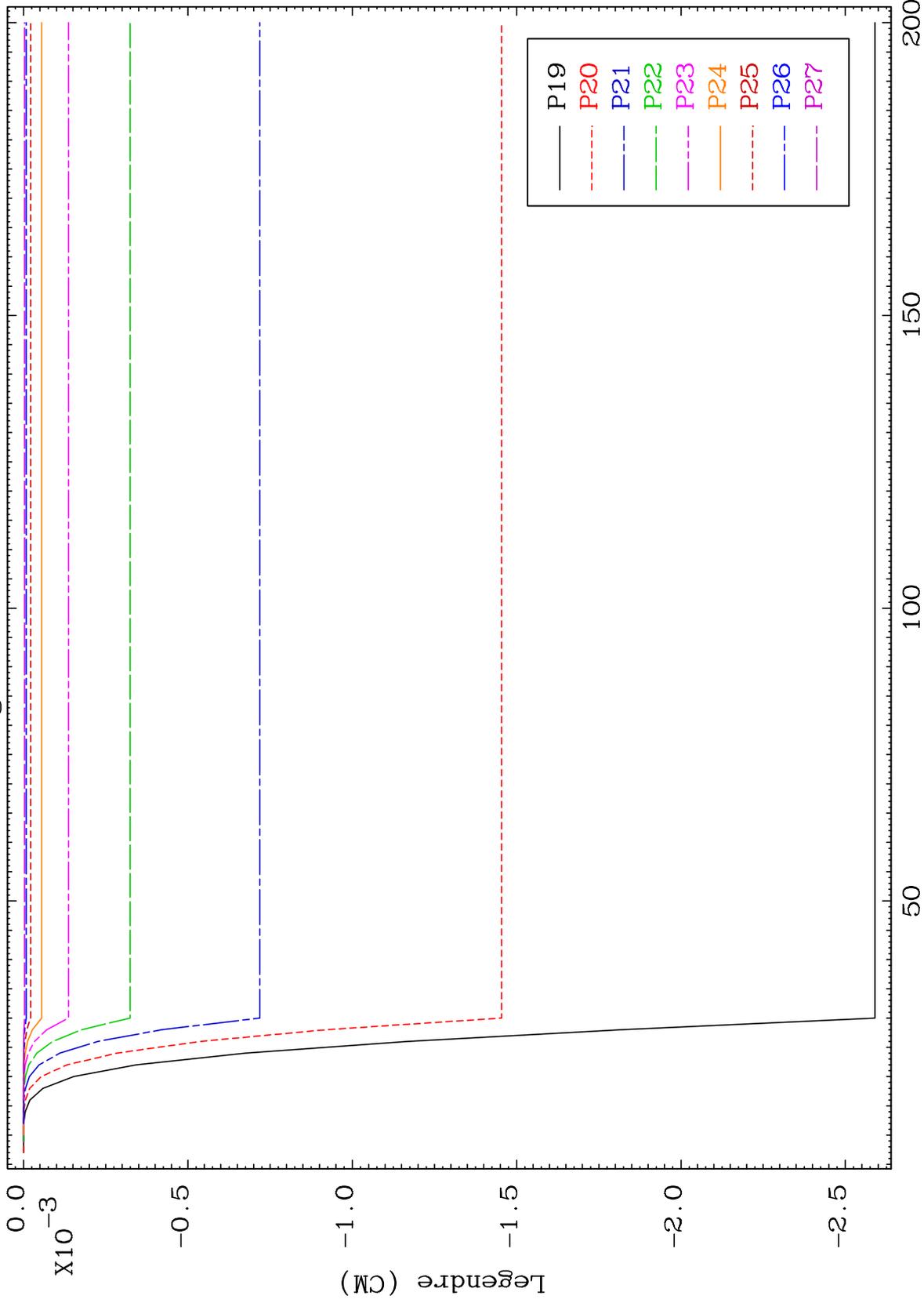
Incident Energy (MeV)

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MAT 4446

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

44-Ru-103



78

Incident Energy (MeV)

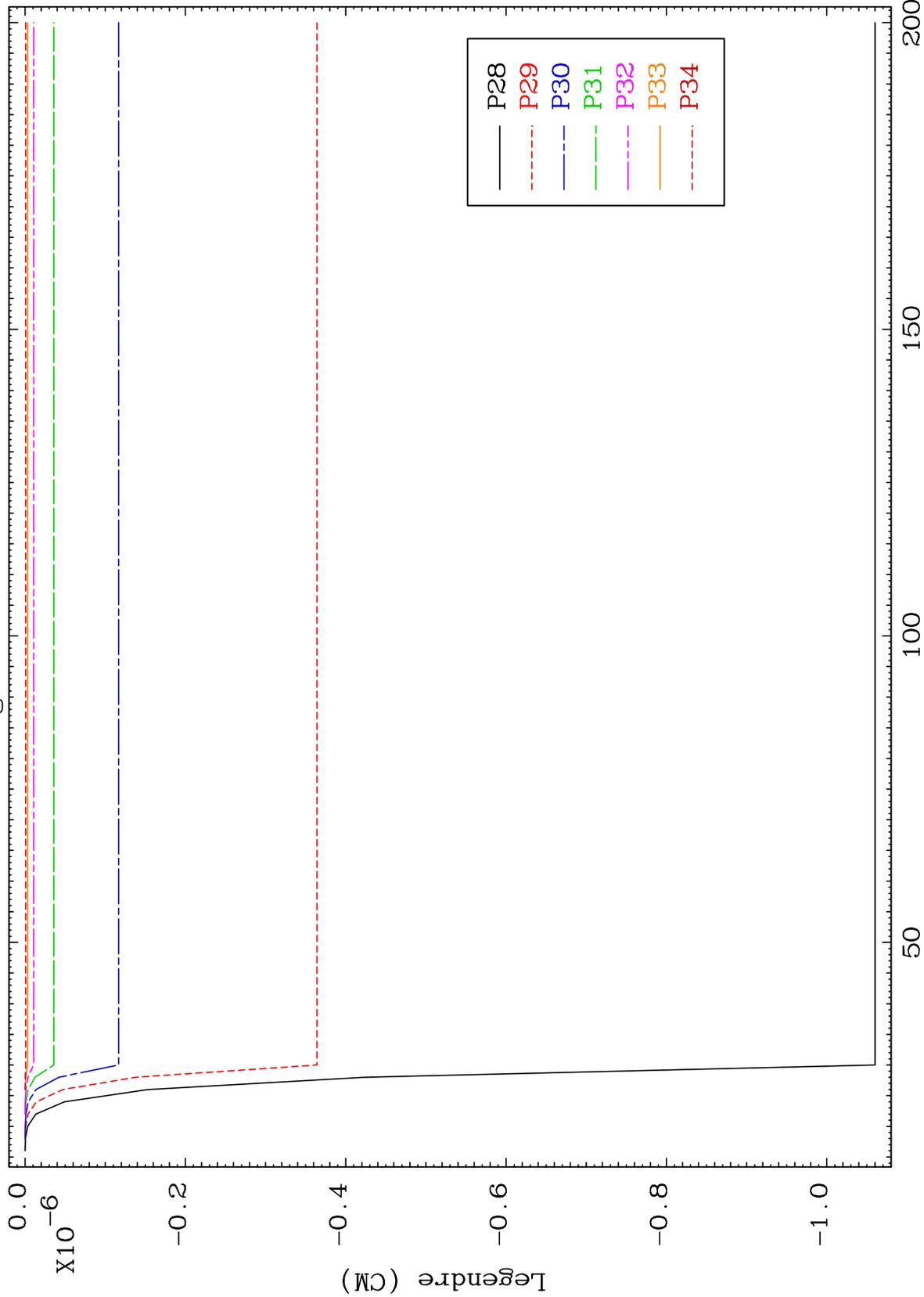
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MAT 4446

MT= 69 (n,n') Level

44-Ru-103

Legendre Coefficients



79

Incident Energy (MeV)

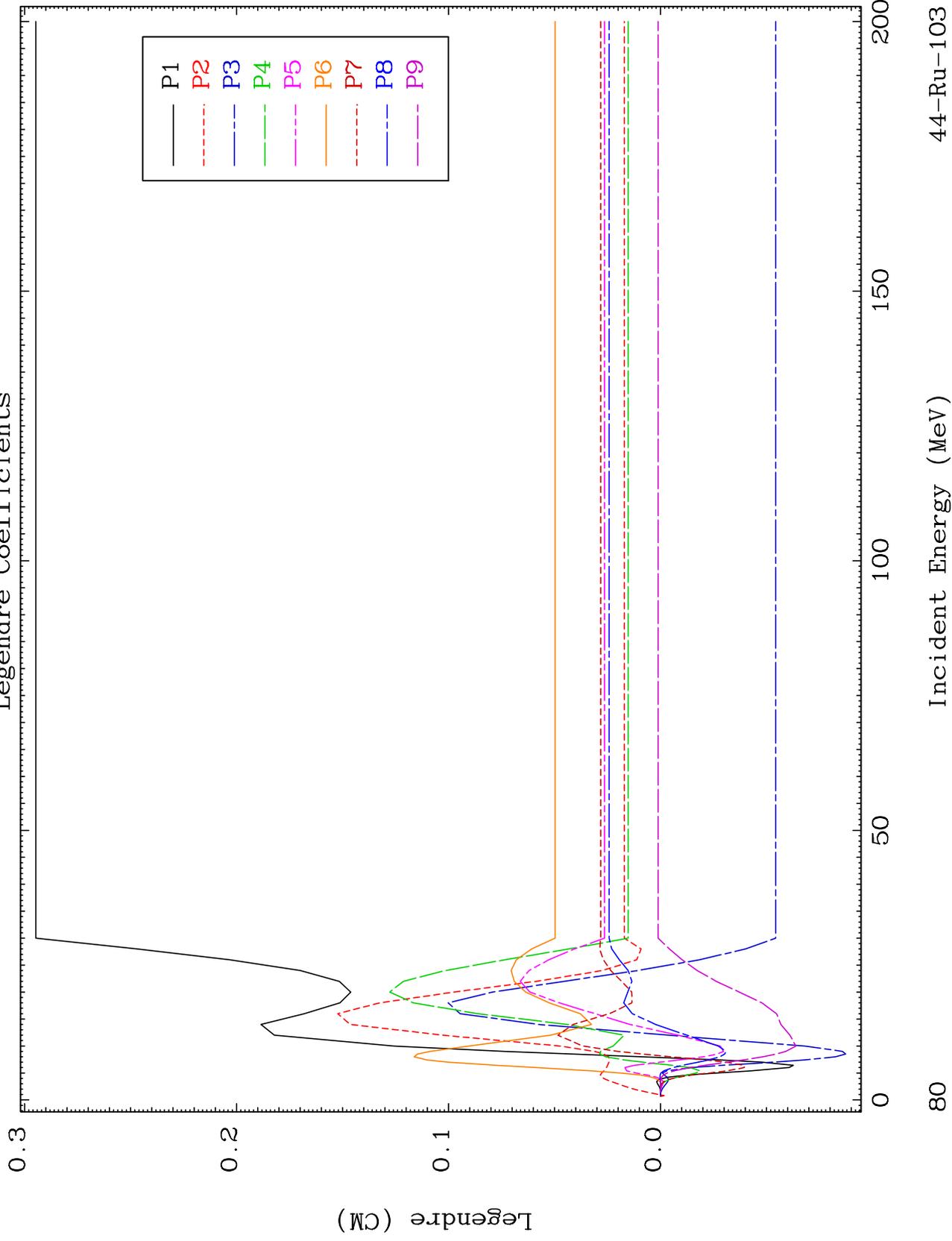
44-Ru-103

MAT 4446

MT= 70 (n,n') Level

44-Ru-103

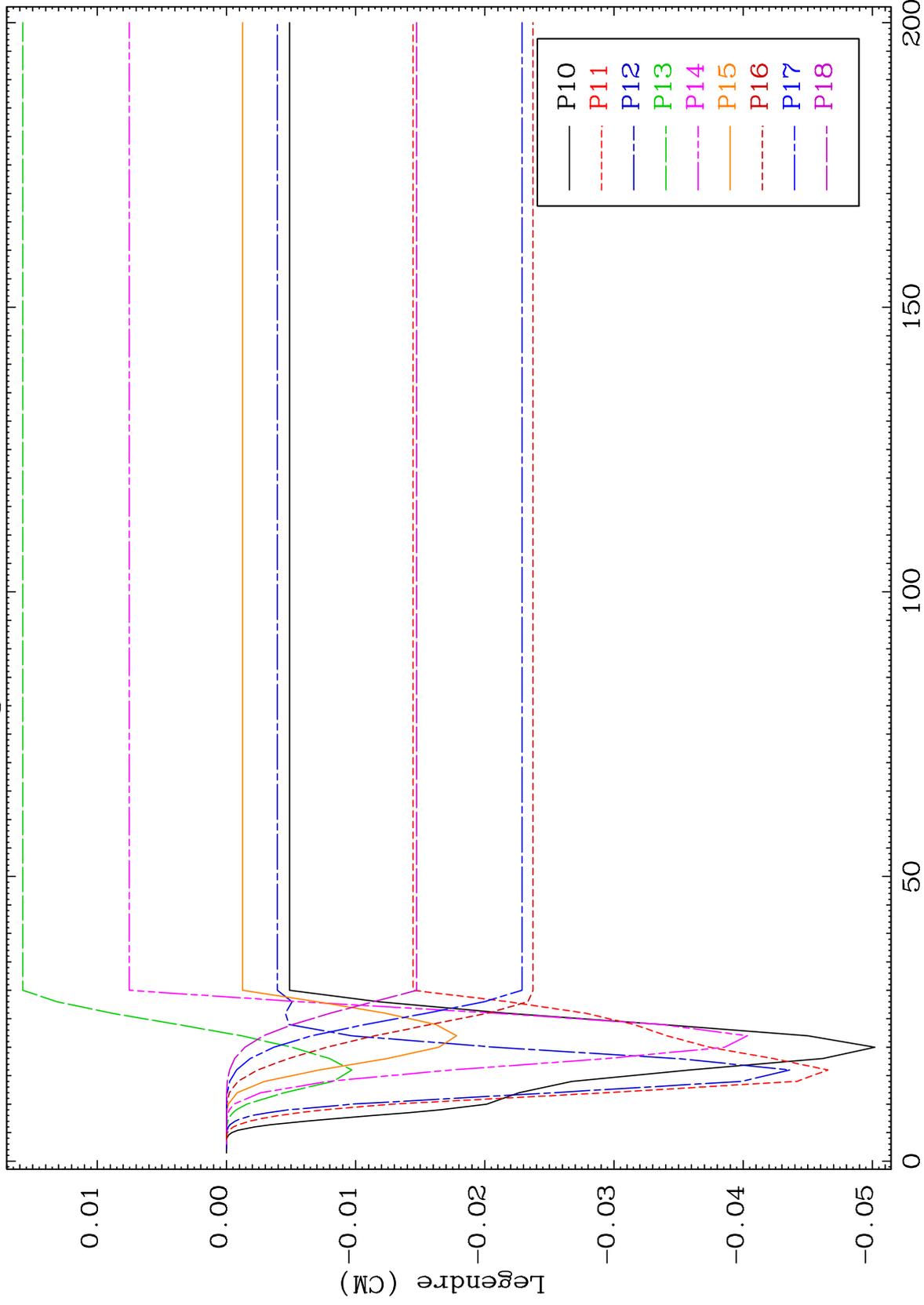
Legendre Coefficients



MAT 4446

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

44-Ru-103



81

Incident Energy (MeV)

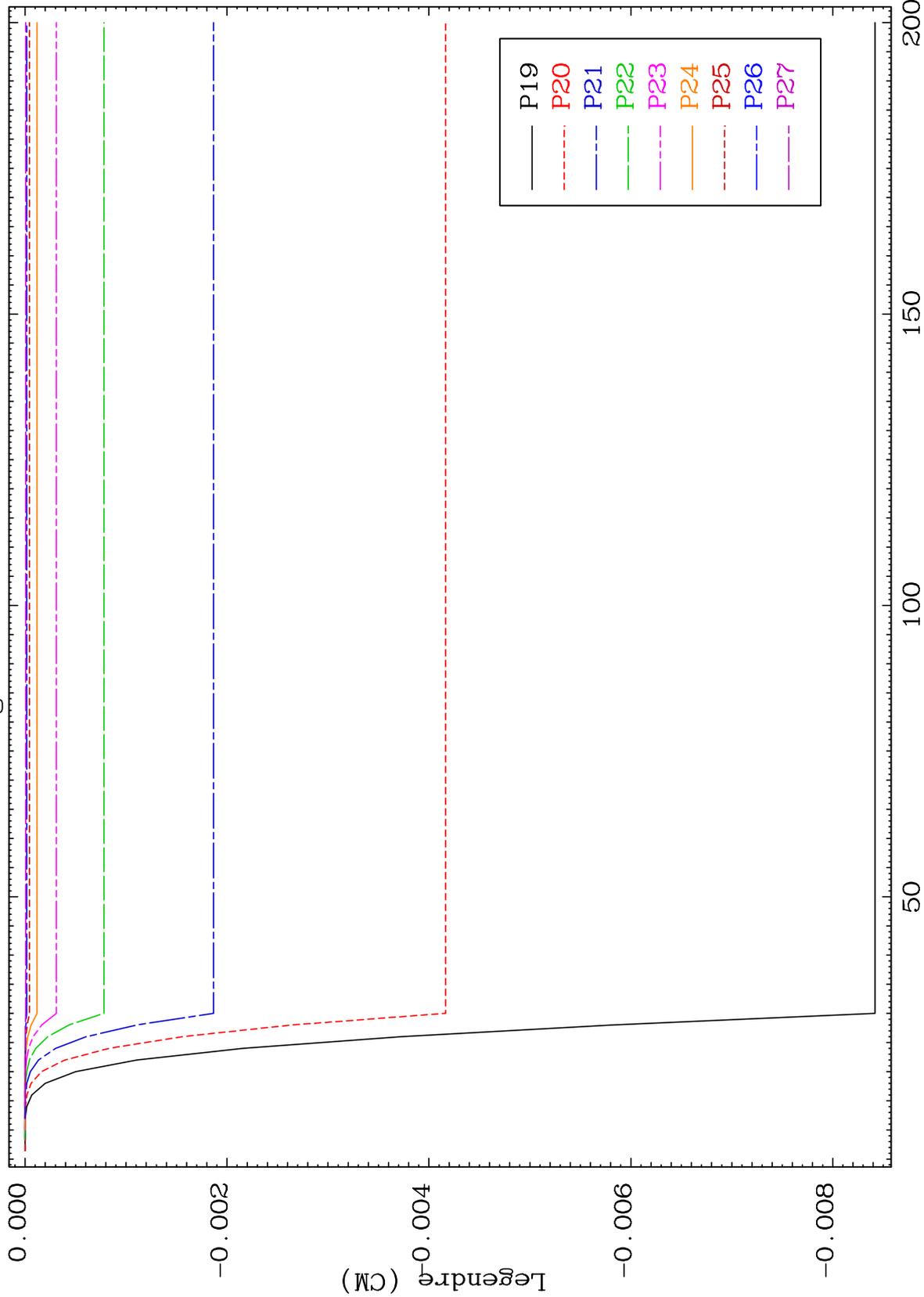
44-Ru-103

MAT 4446

MT= 70 (n,n') Level

44-Ru-103

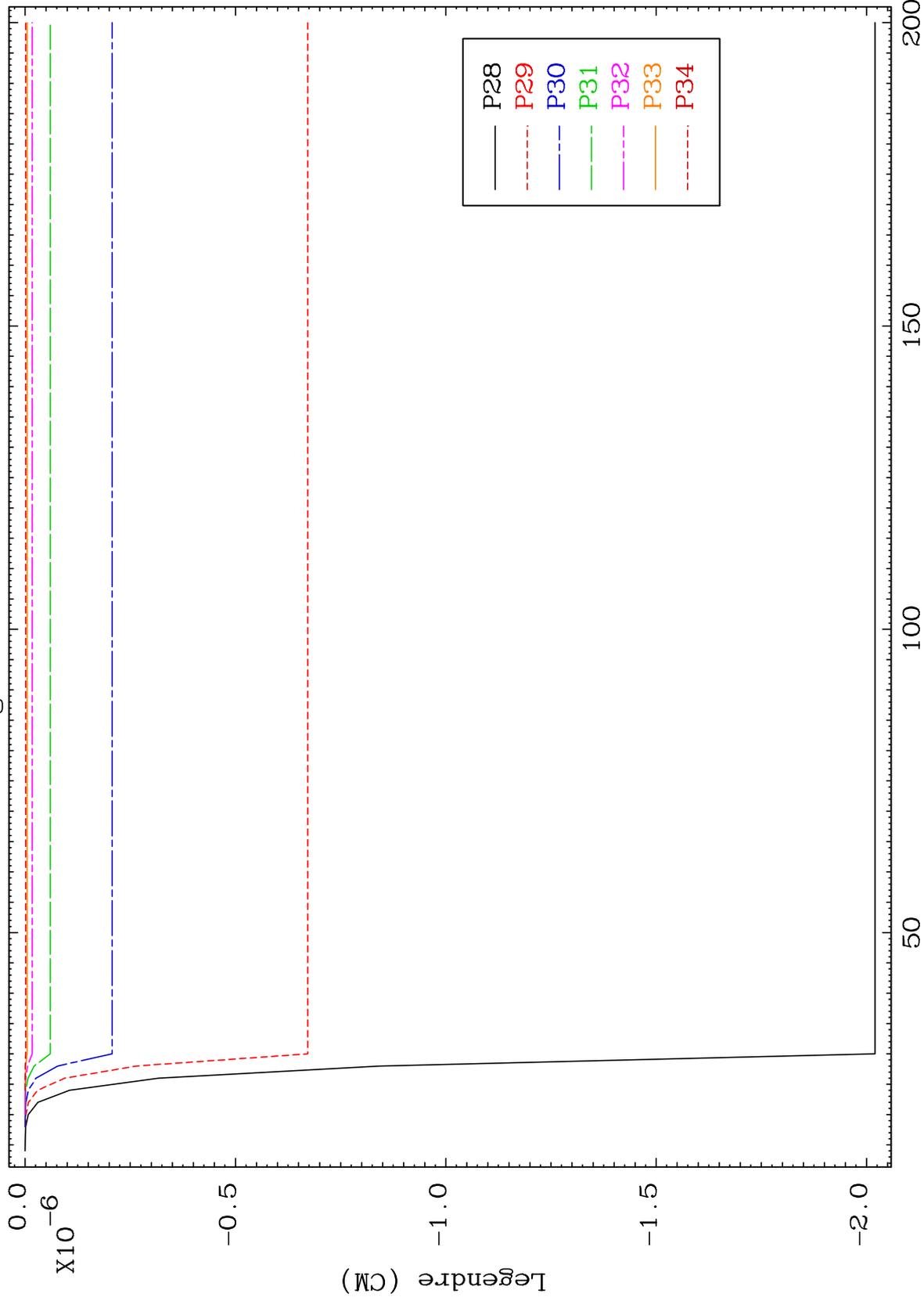
Legendre Coefficients



MAT 4446

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

44-Ru-103



83

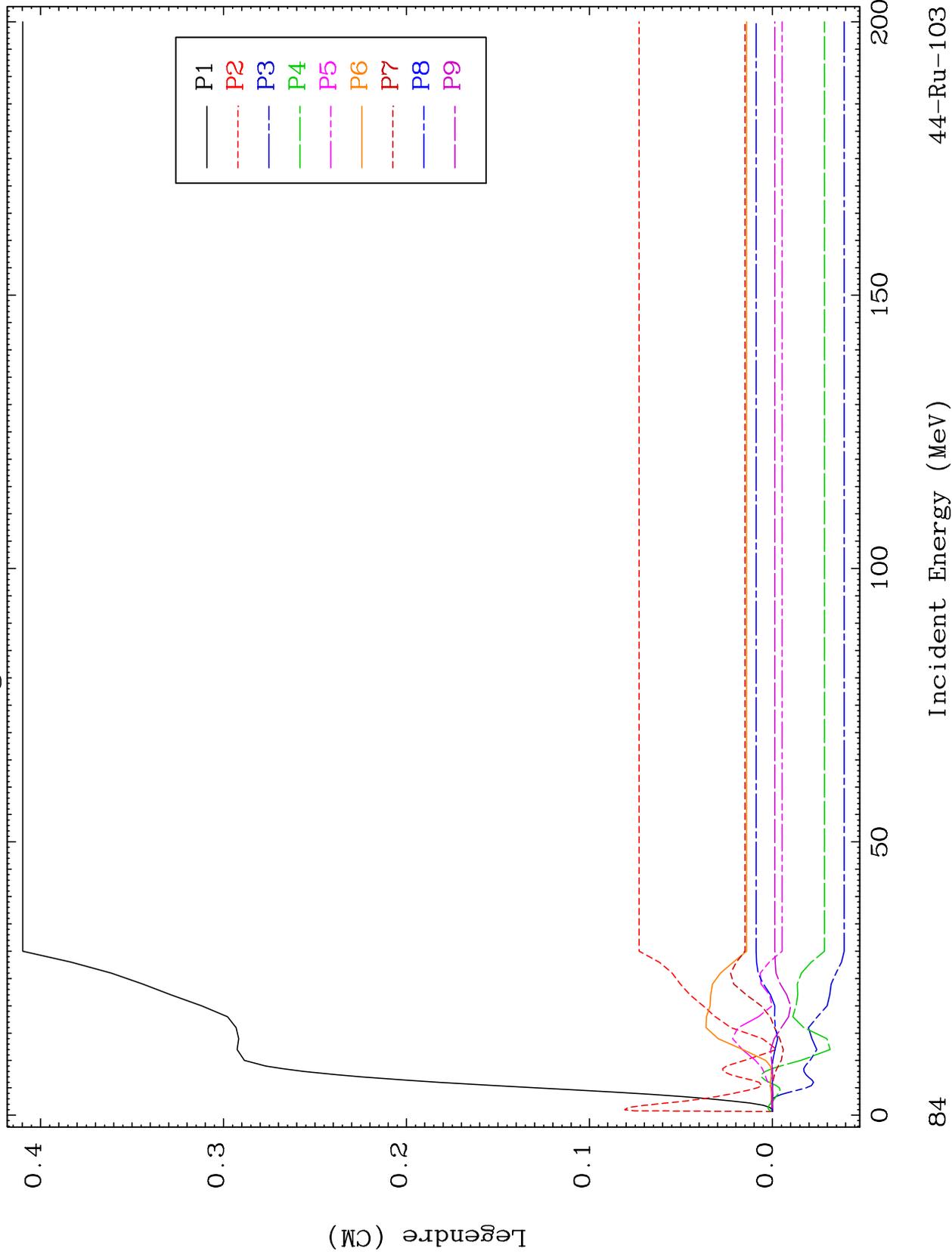
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



44-Ru-103

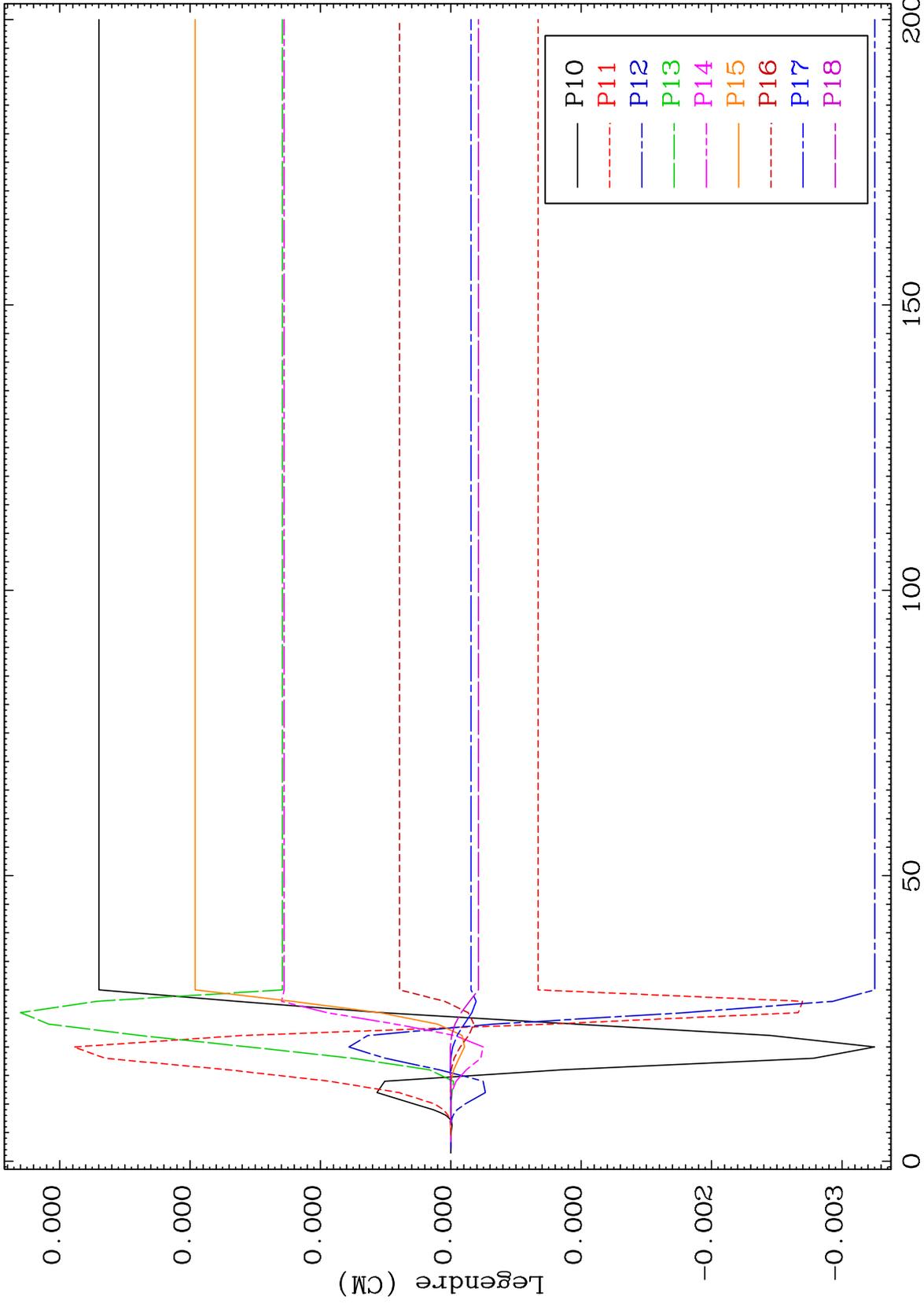
Incident Energy (MeV)

84

MAT 4446

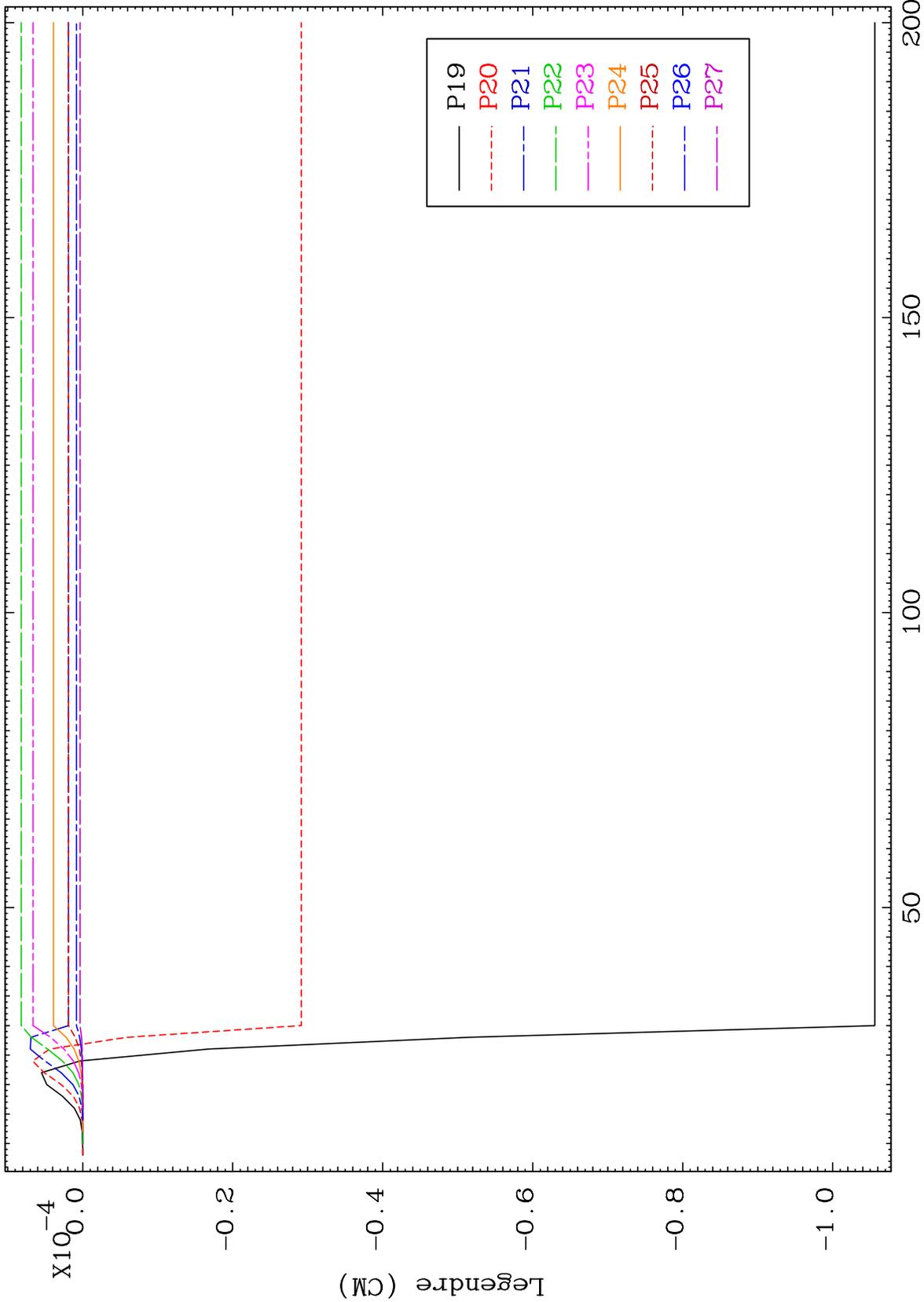
MT= 71 (n,n') Level
Legendre Coefficients

44-Ru-103



85

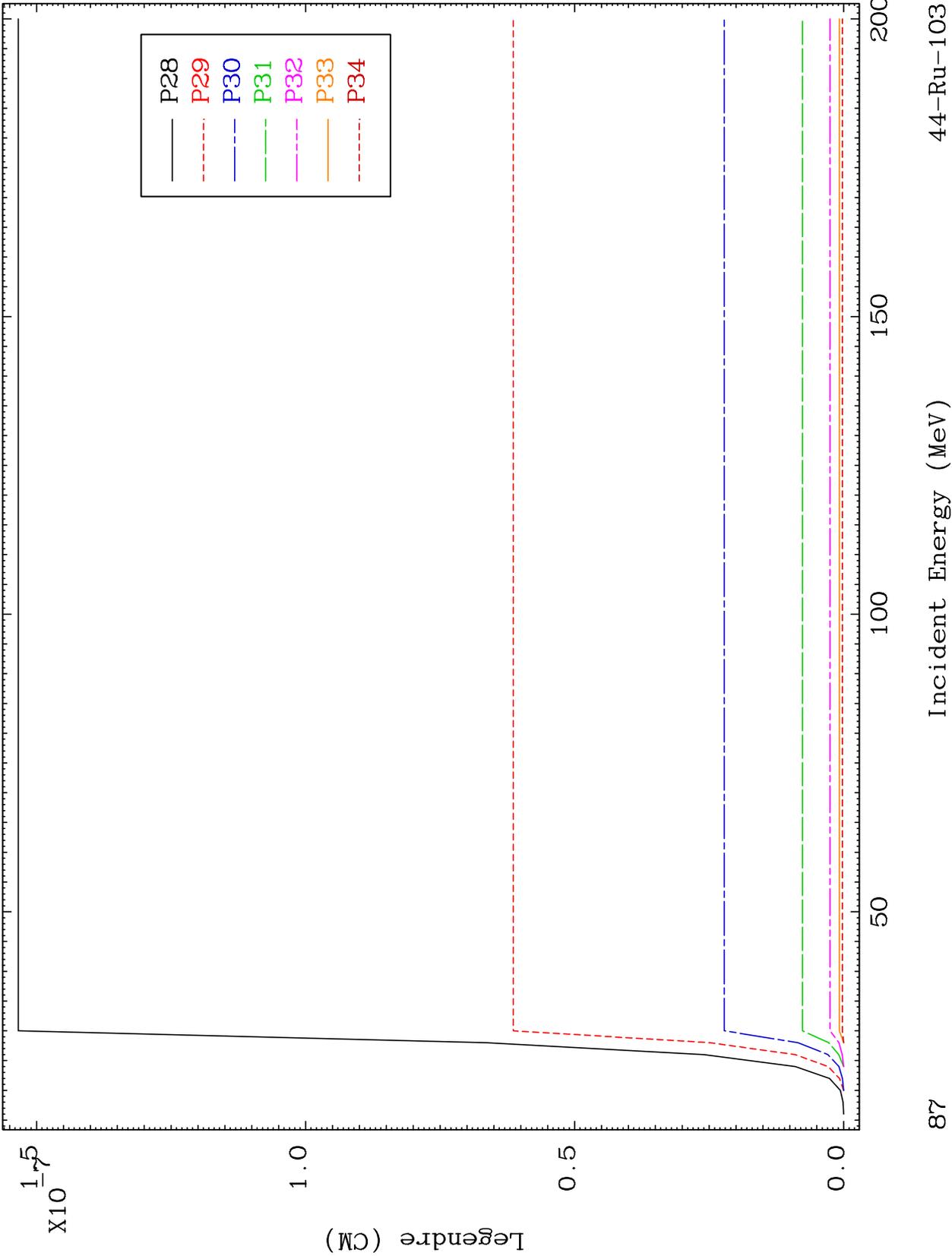
44-Ru-103



MAT 4446

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

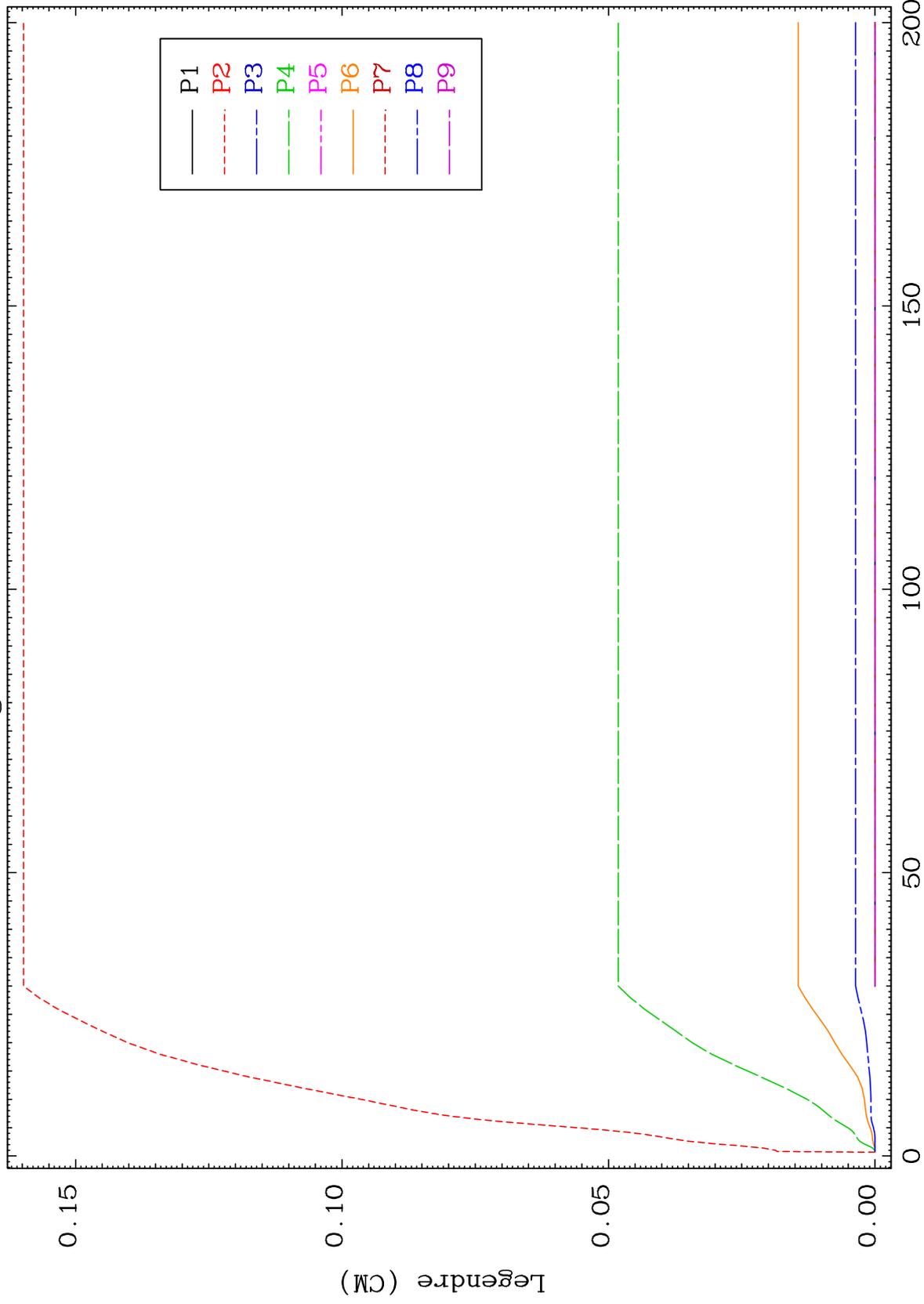
44-Ru-103



MAT 4446

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

44-Ru-103



88

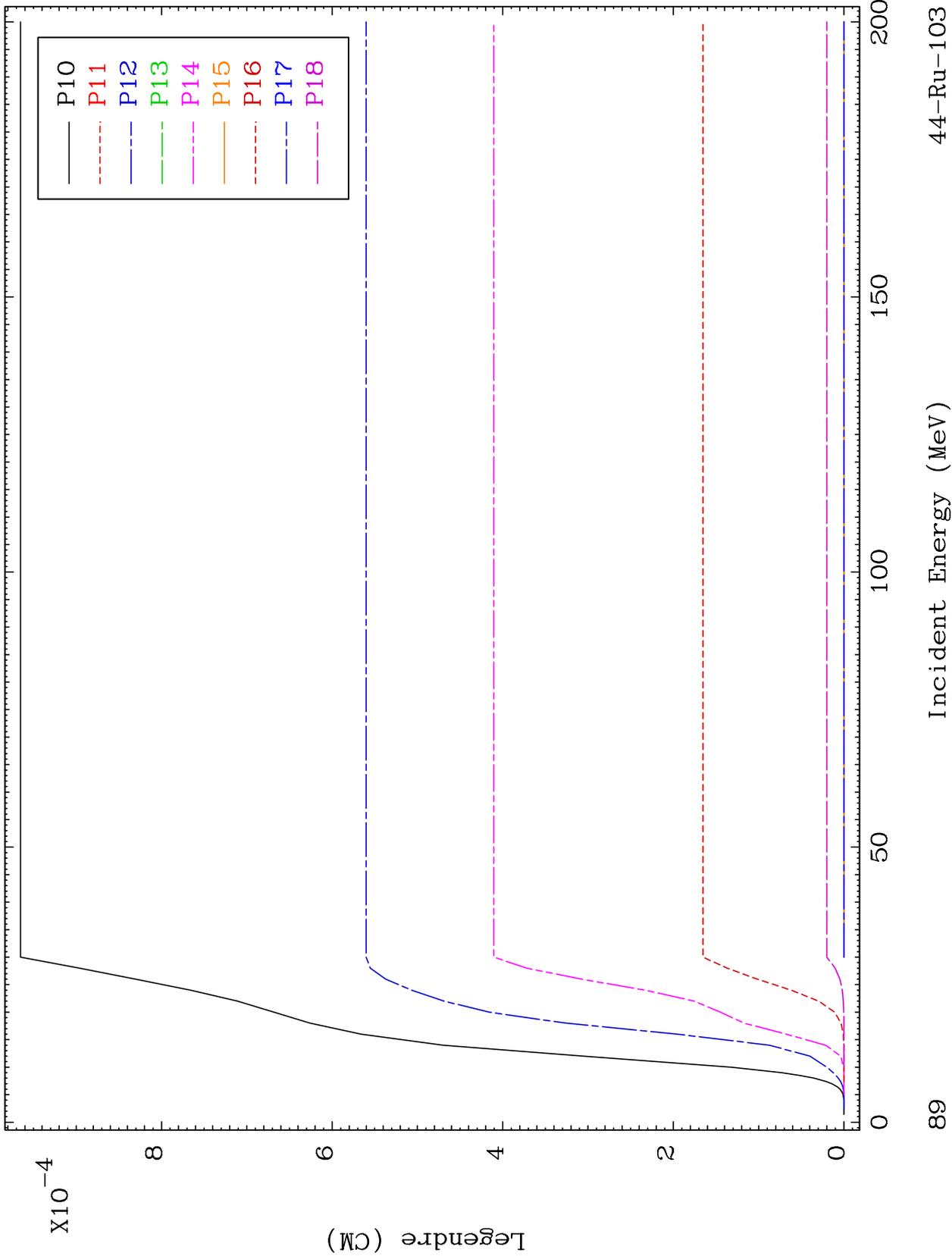
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



89

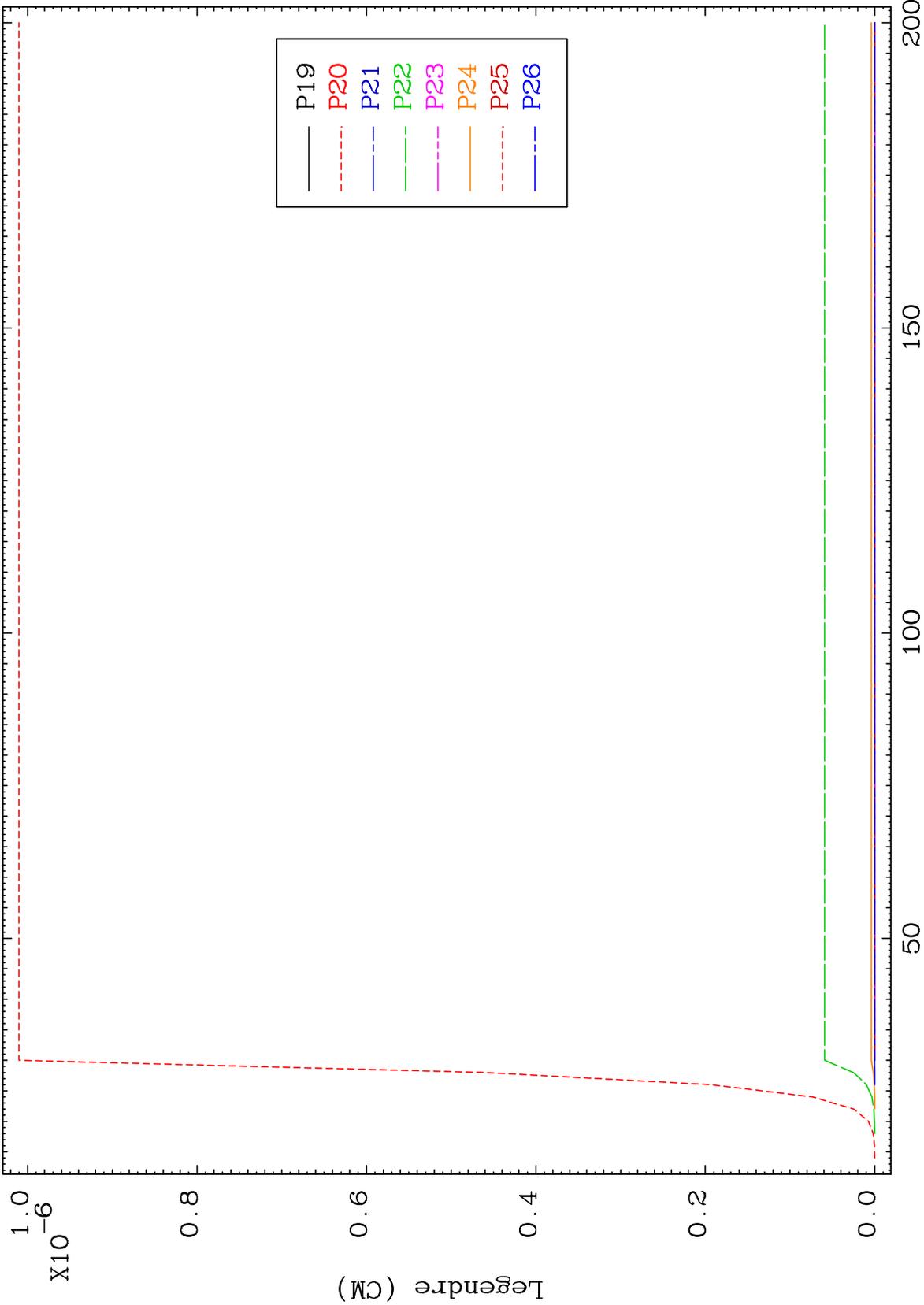
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



90

Incident Energy (MeV)

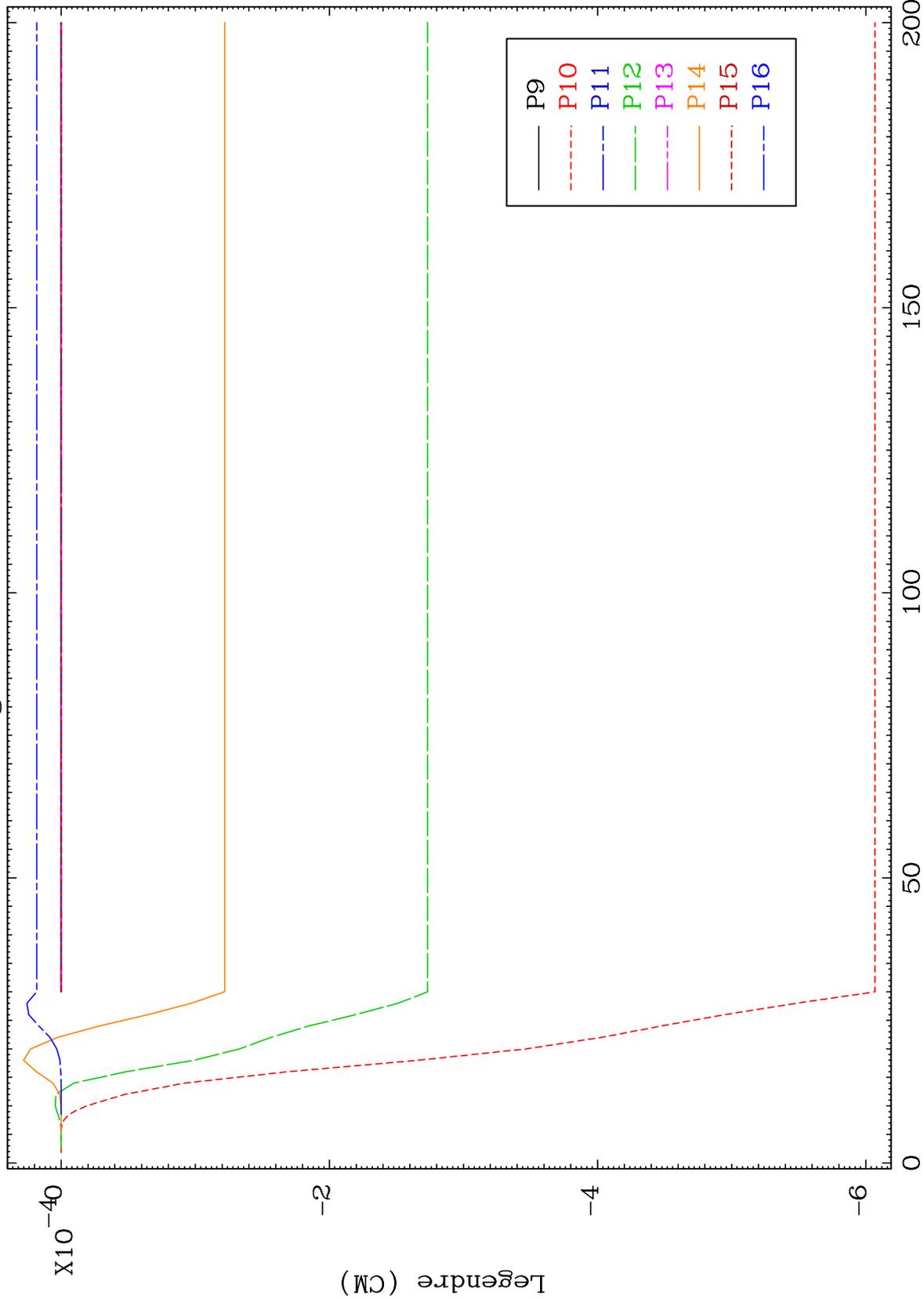
44-Ru-103

MAT 4446

MT= 73 (n,n') Level

44-Ru-103

Legendre Coefficients



92

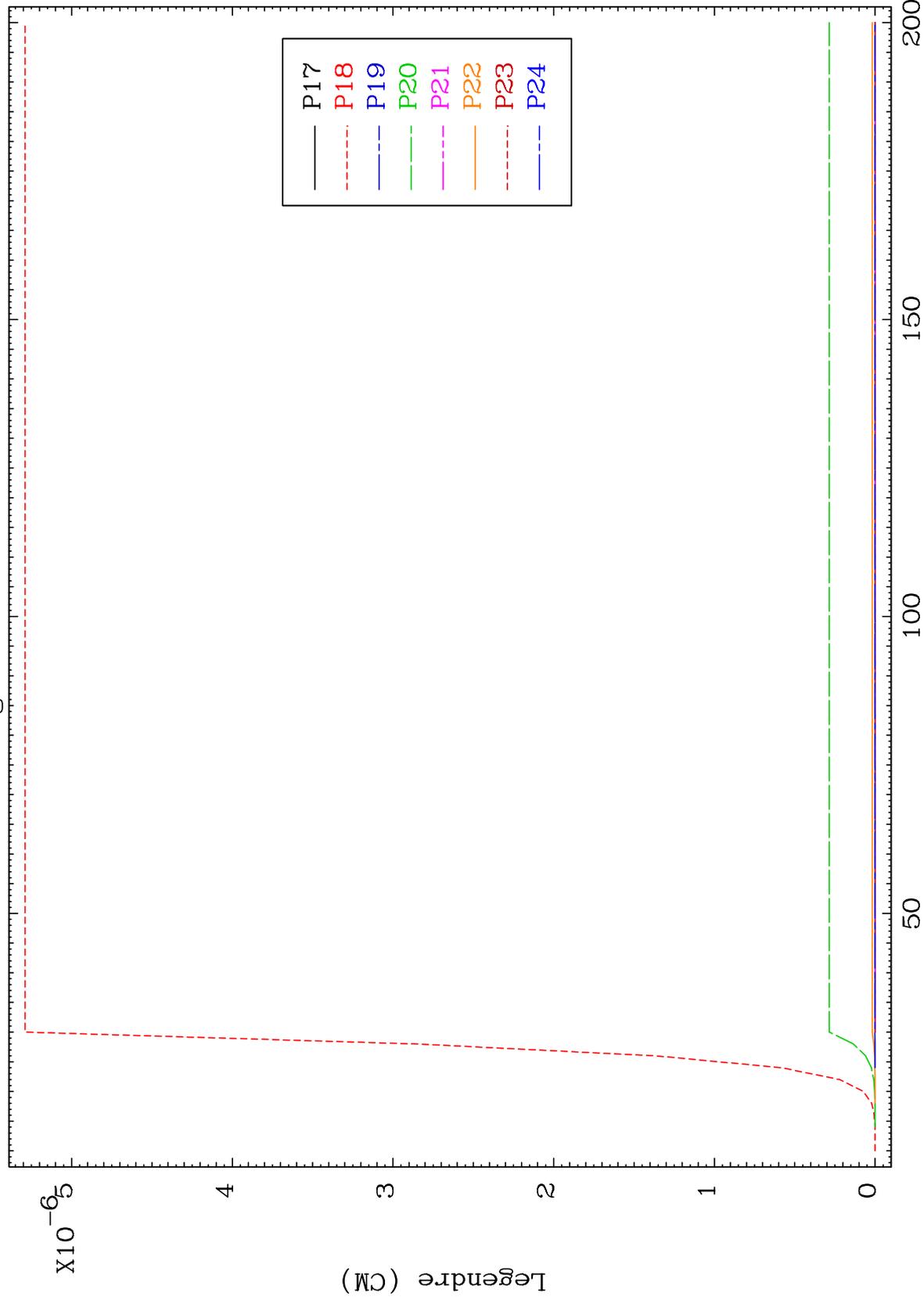
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



93

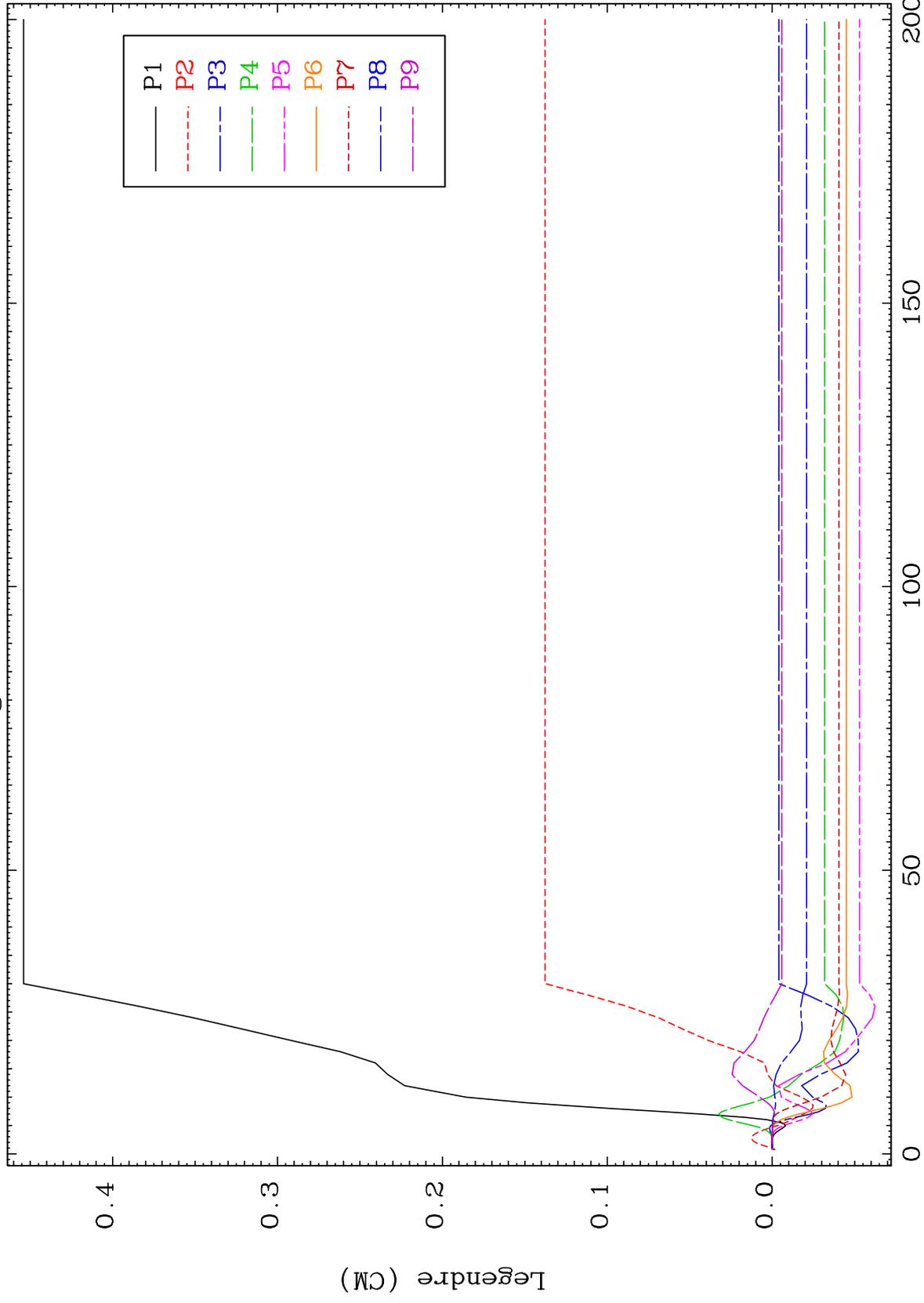
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



94

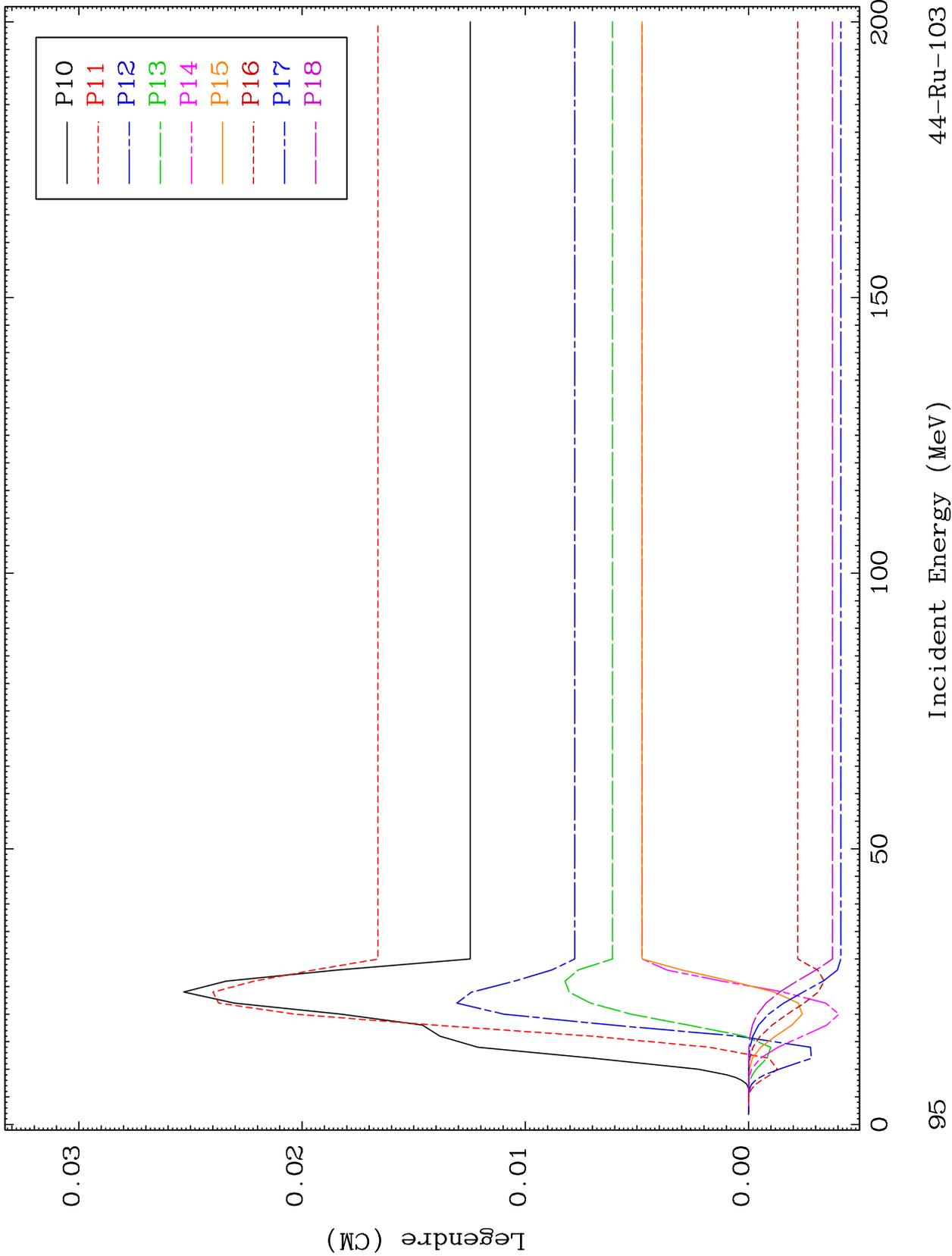
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



44-Ru-103

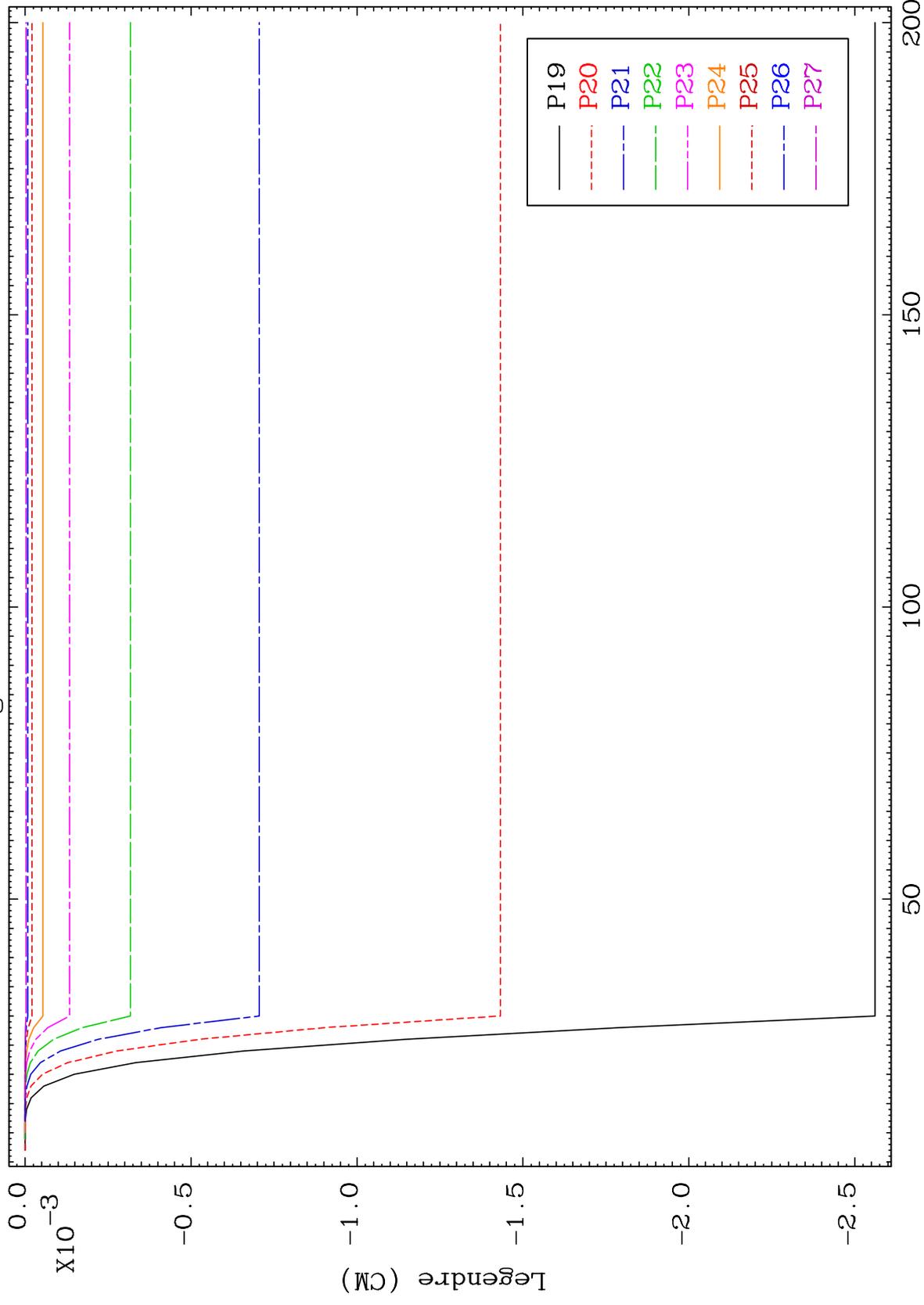
Incident Energy (MeV)

95

MAT 4446

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

44-Ru-103

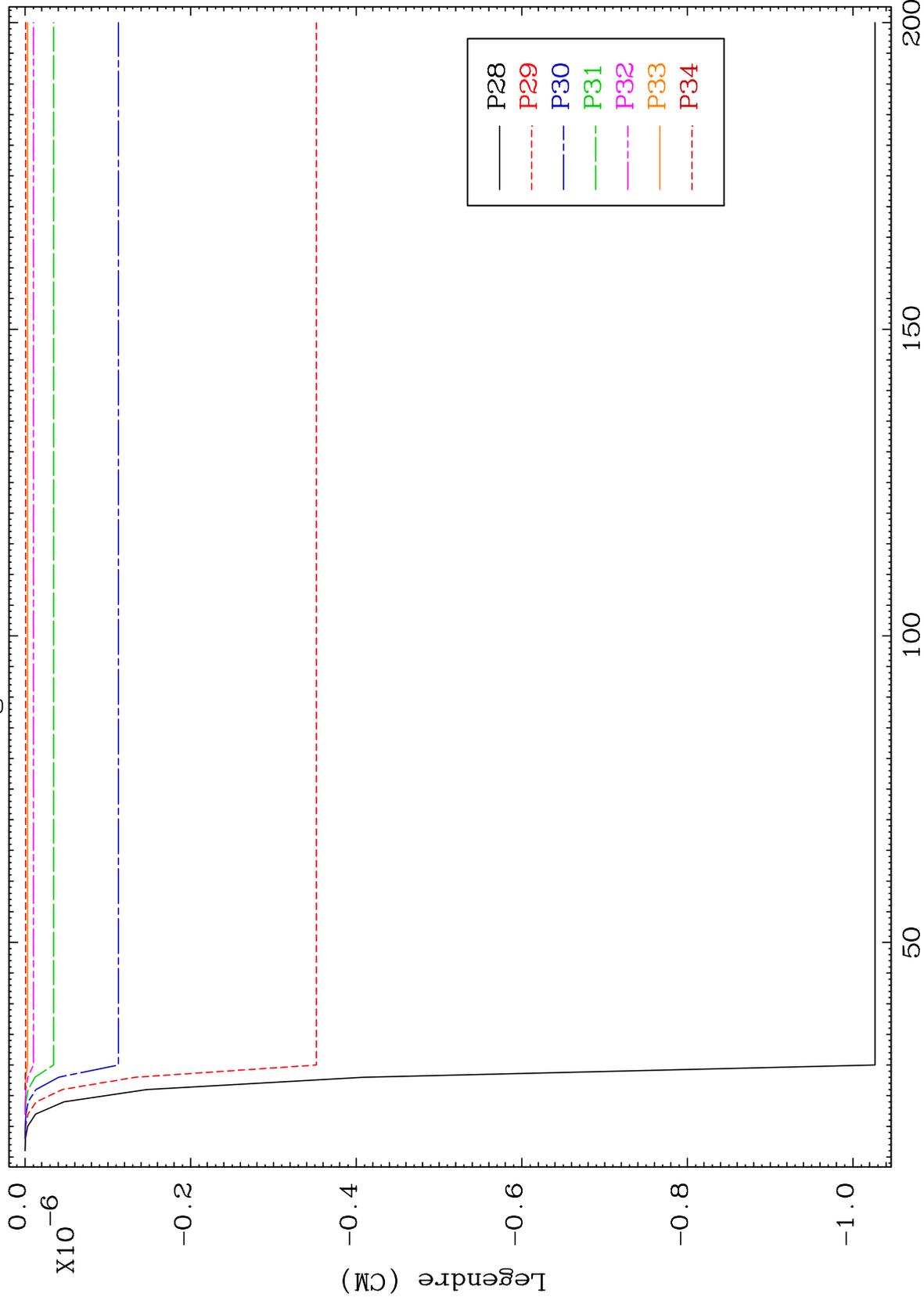


MAT 4446

MT= 74 (n,n') Level

44-Ru-103

Legendre Coefficients

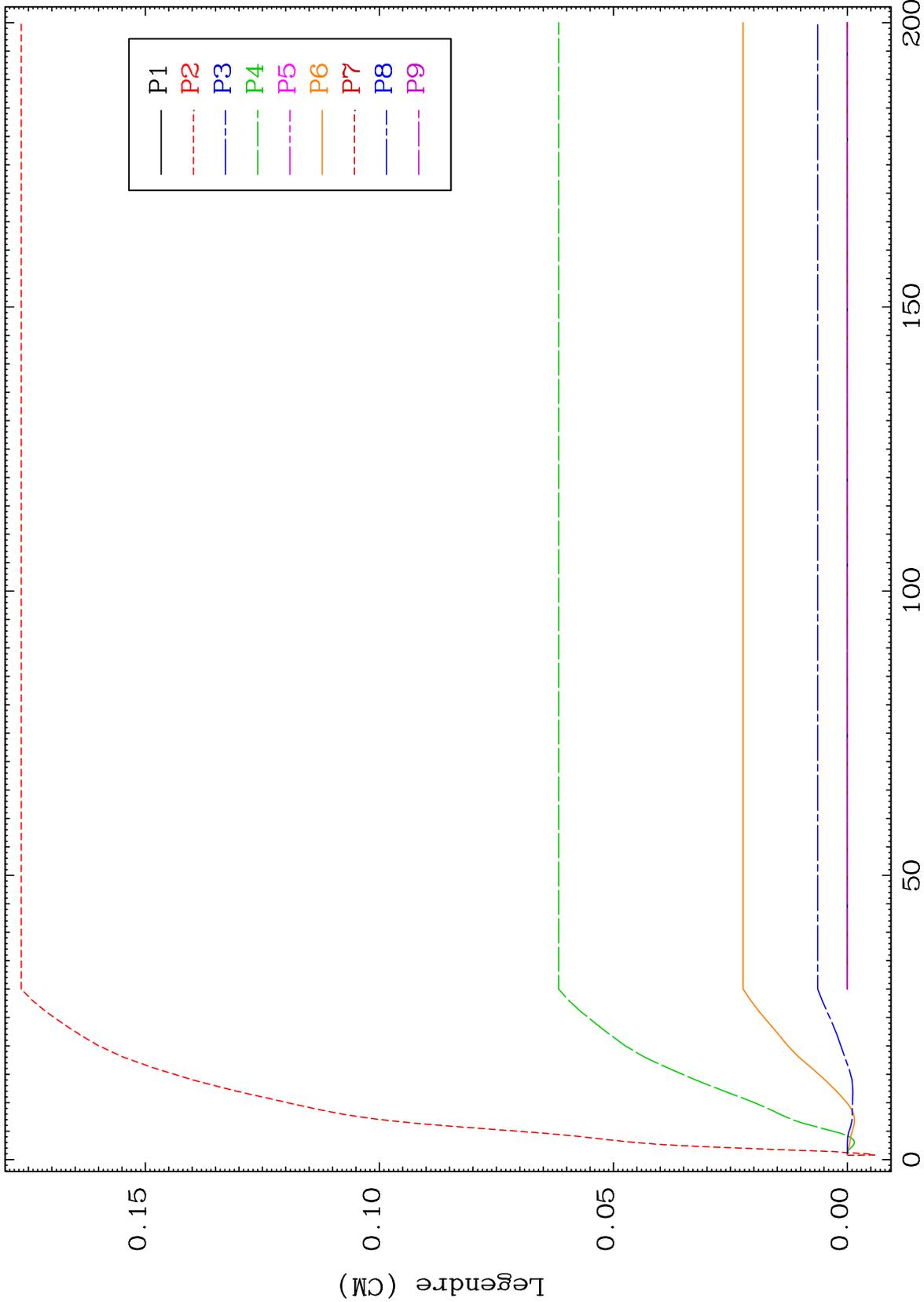


MAT 4446

MT= 75 (n,n') Level

44-Ru-103

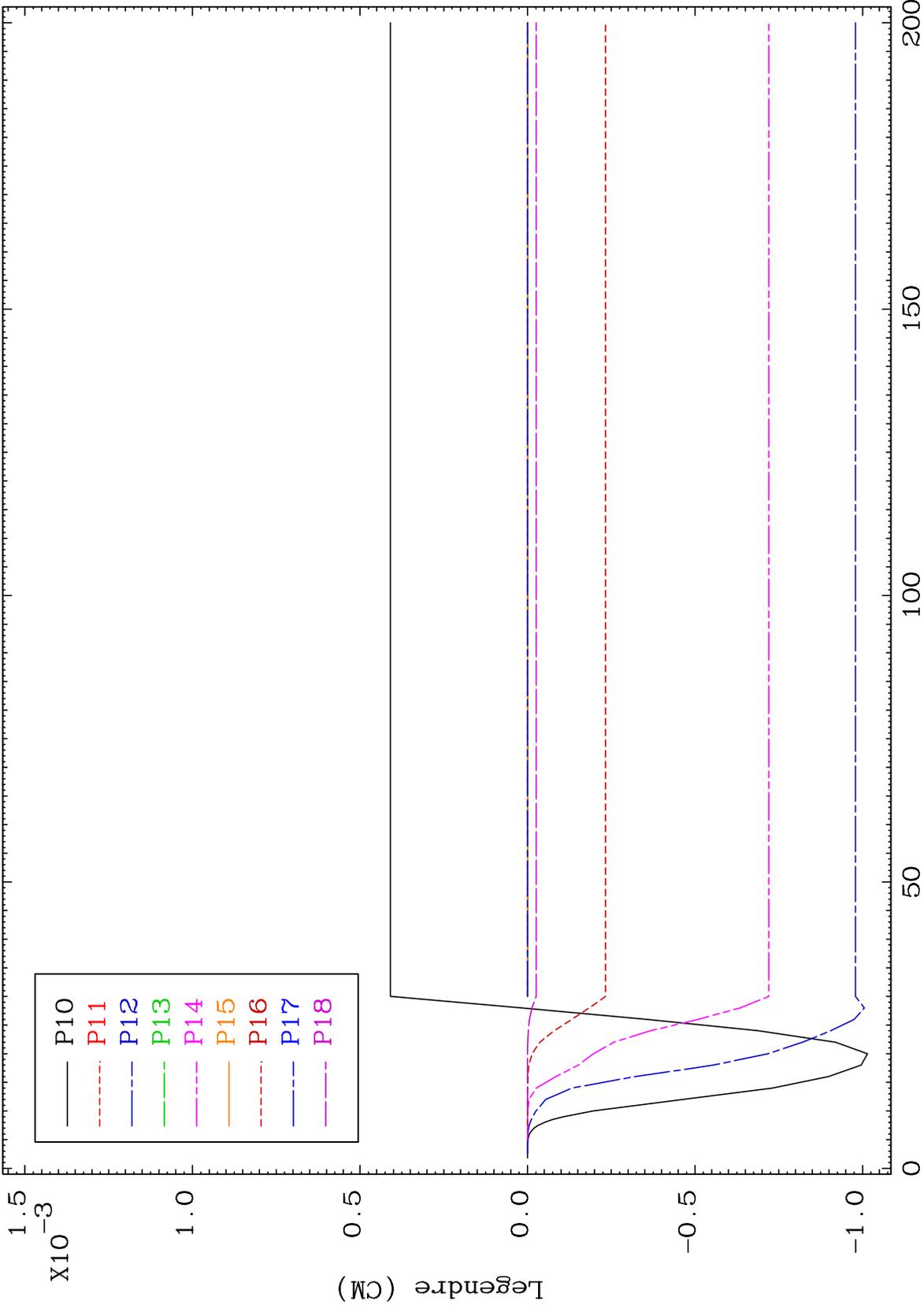
Legendre Coefficients

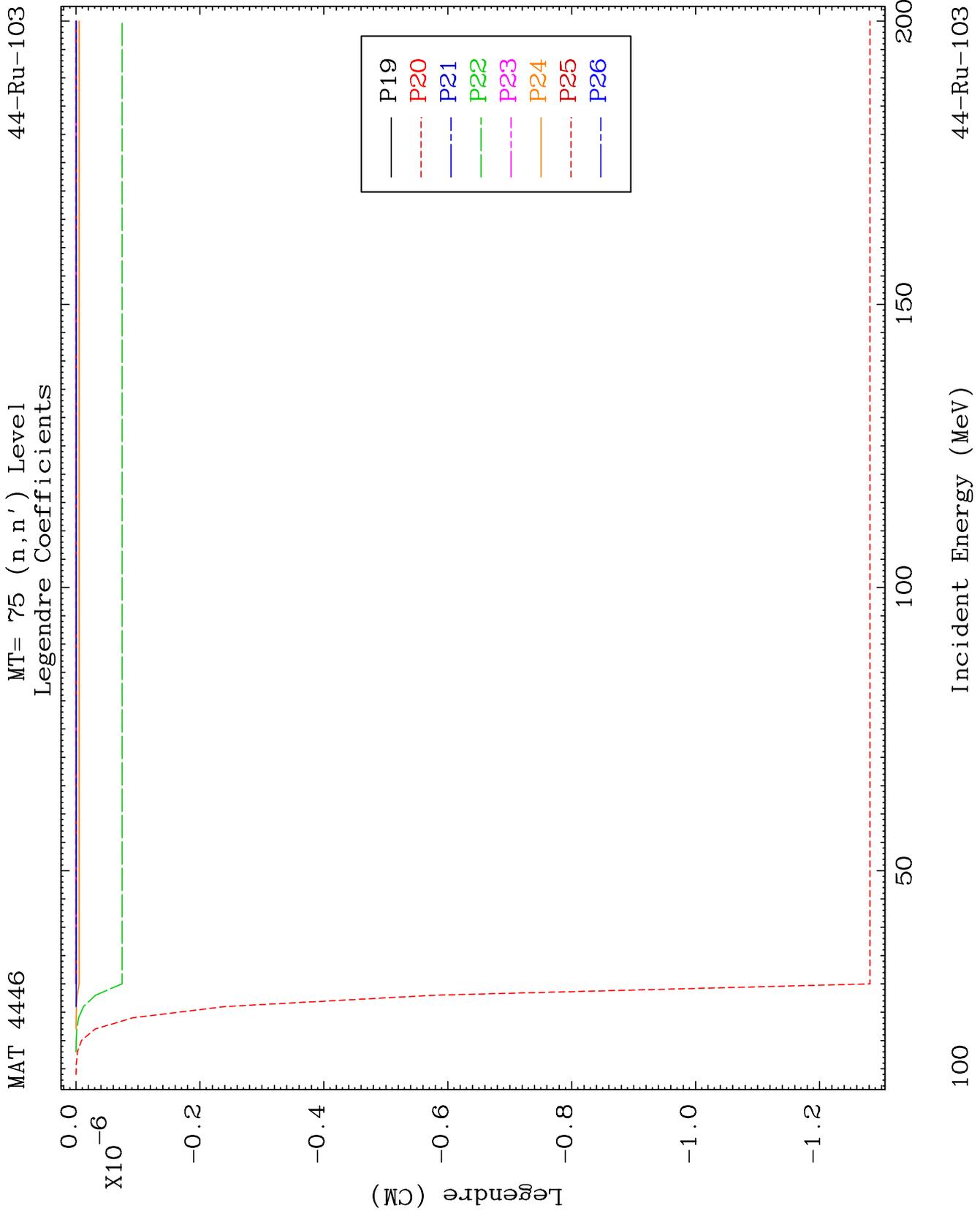


98

Incident Energy (MeV)

44-Ru-103



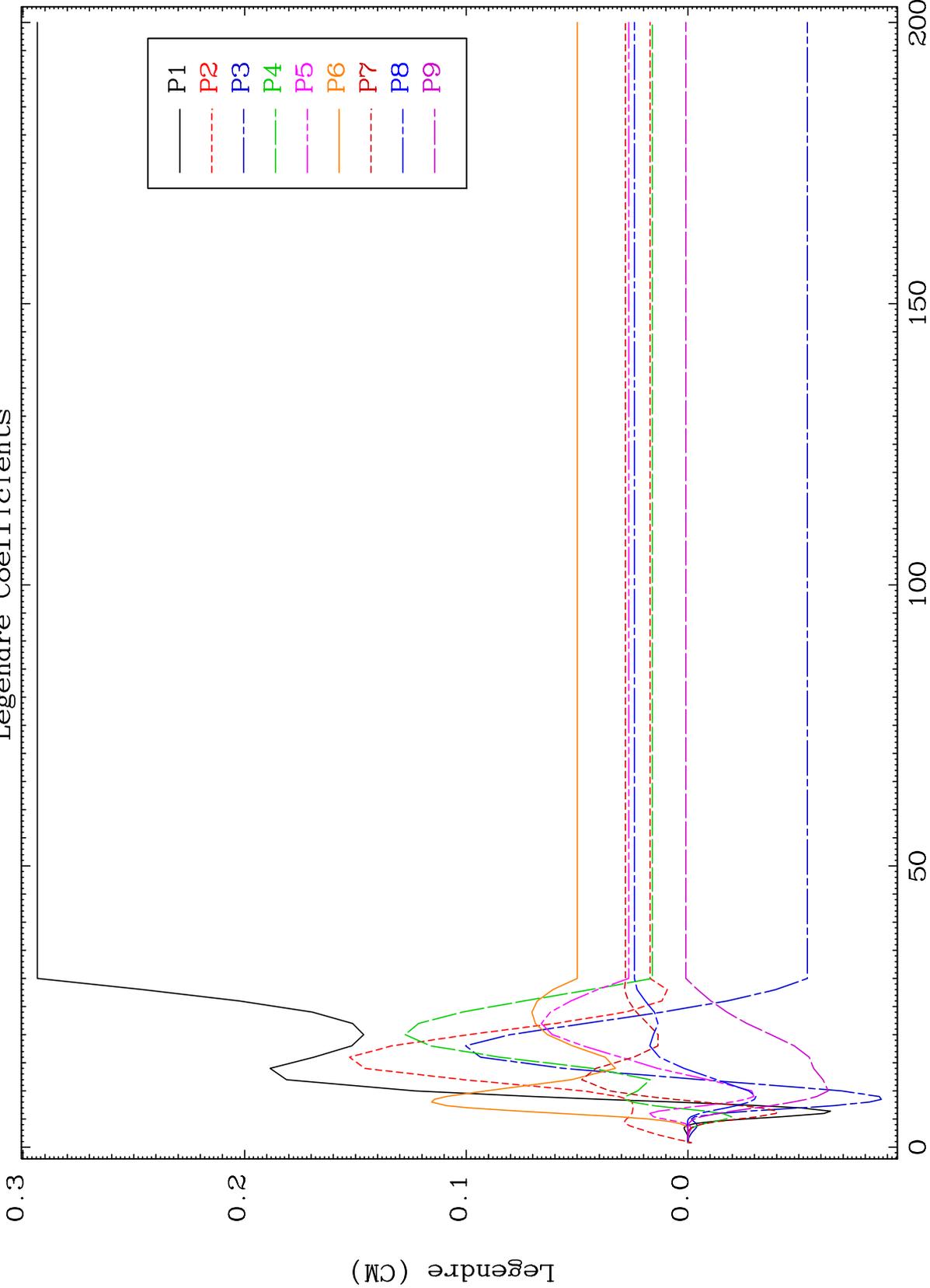


MAT 4446

MT= 76 (n,n') Level

44-Ru-103

Legendre Coefficients



101

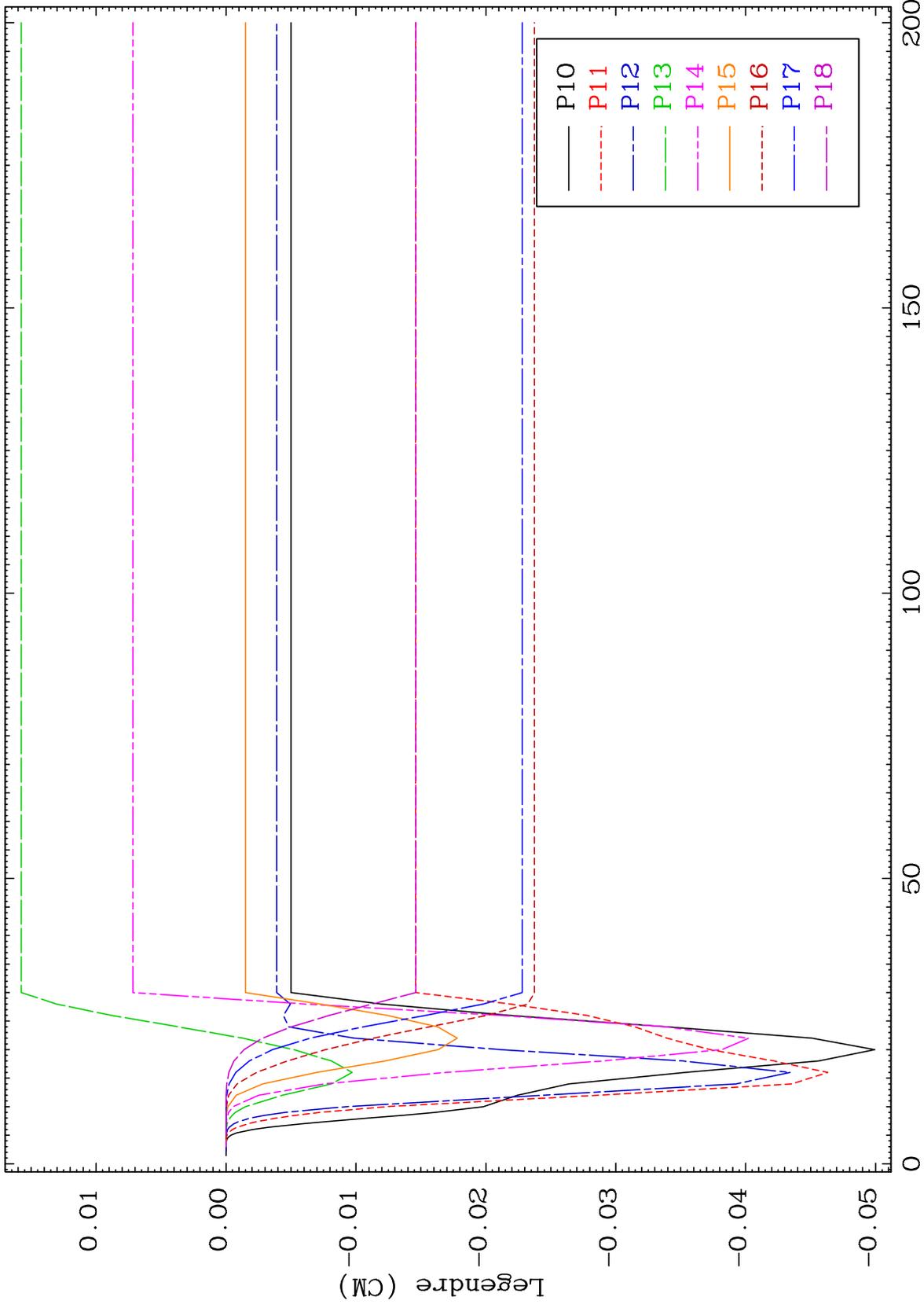
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

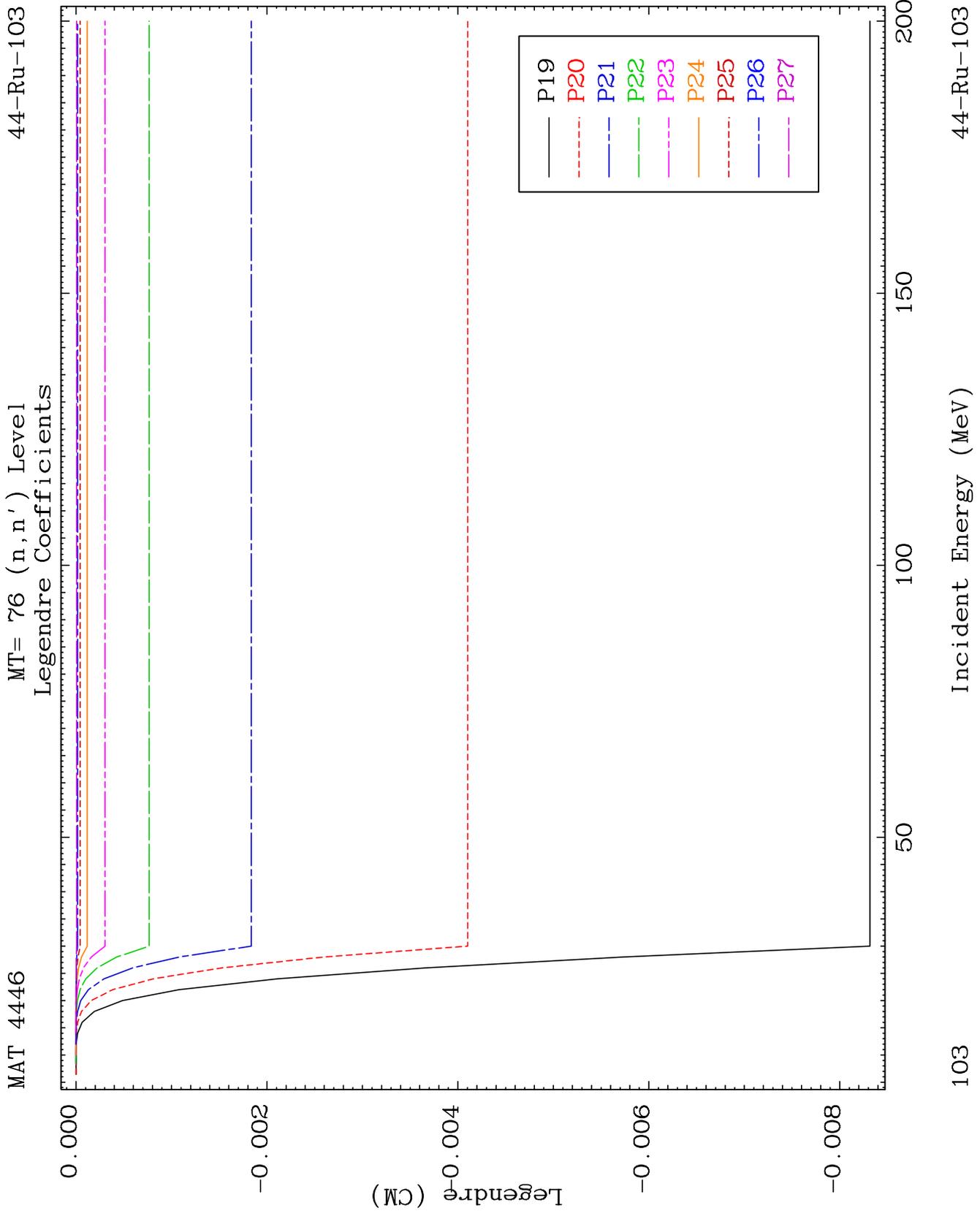
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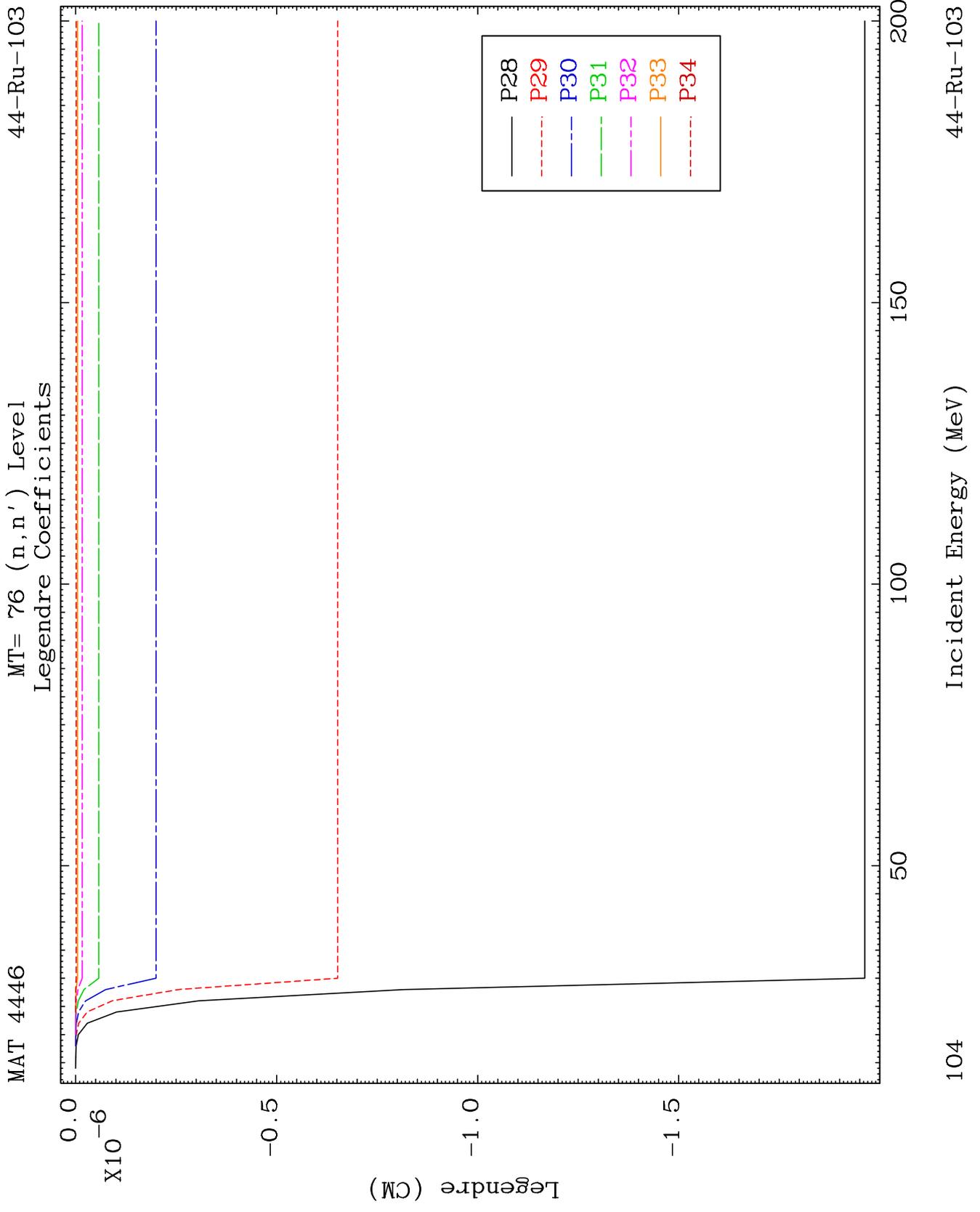


102

Incident Energy (MeV)

44-Ru-103

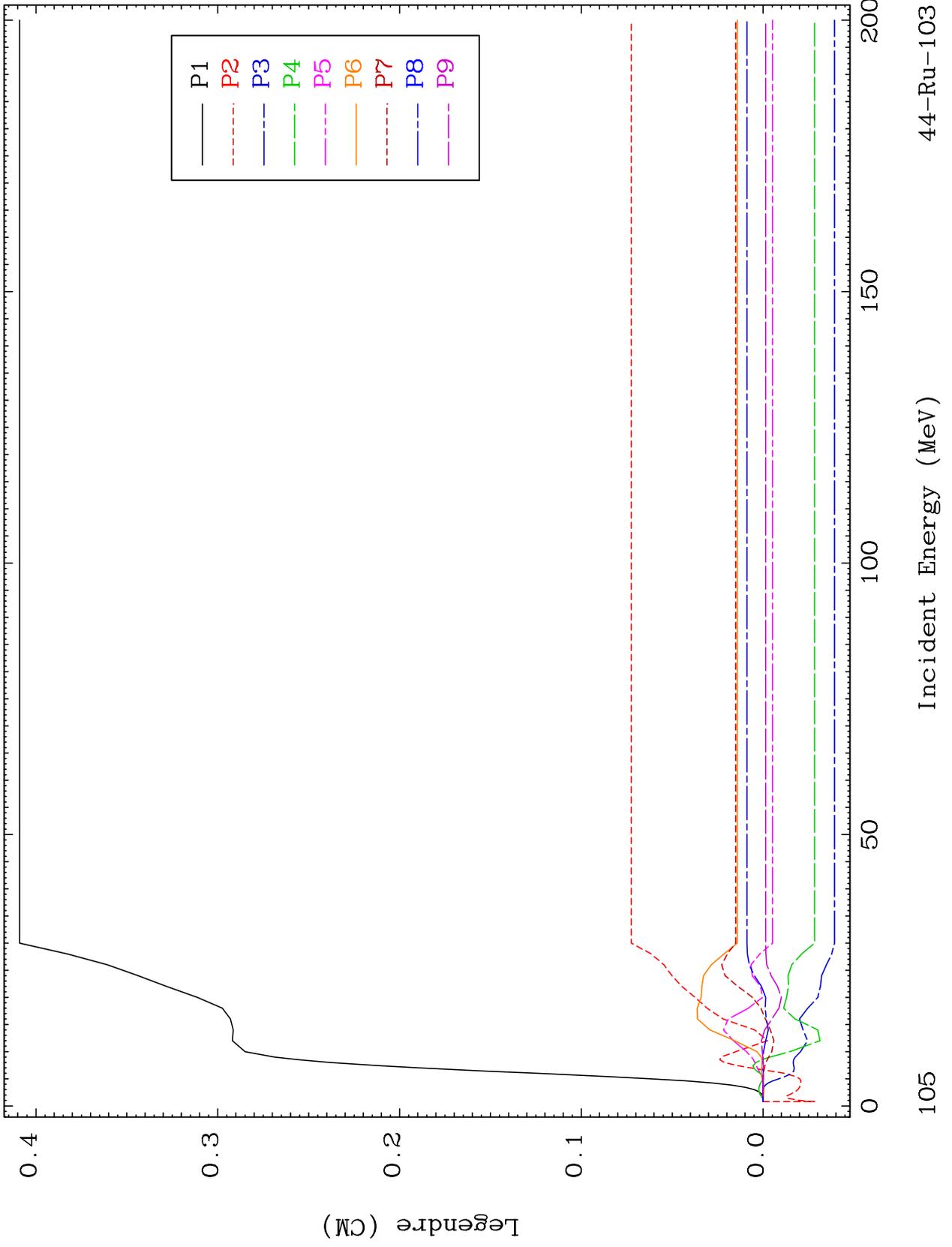




MAT 4446

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

44-Ru-103



44-Ru-103

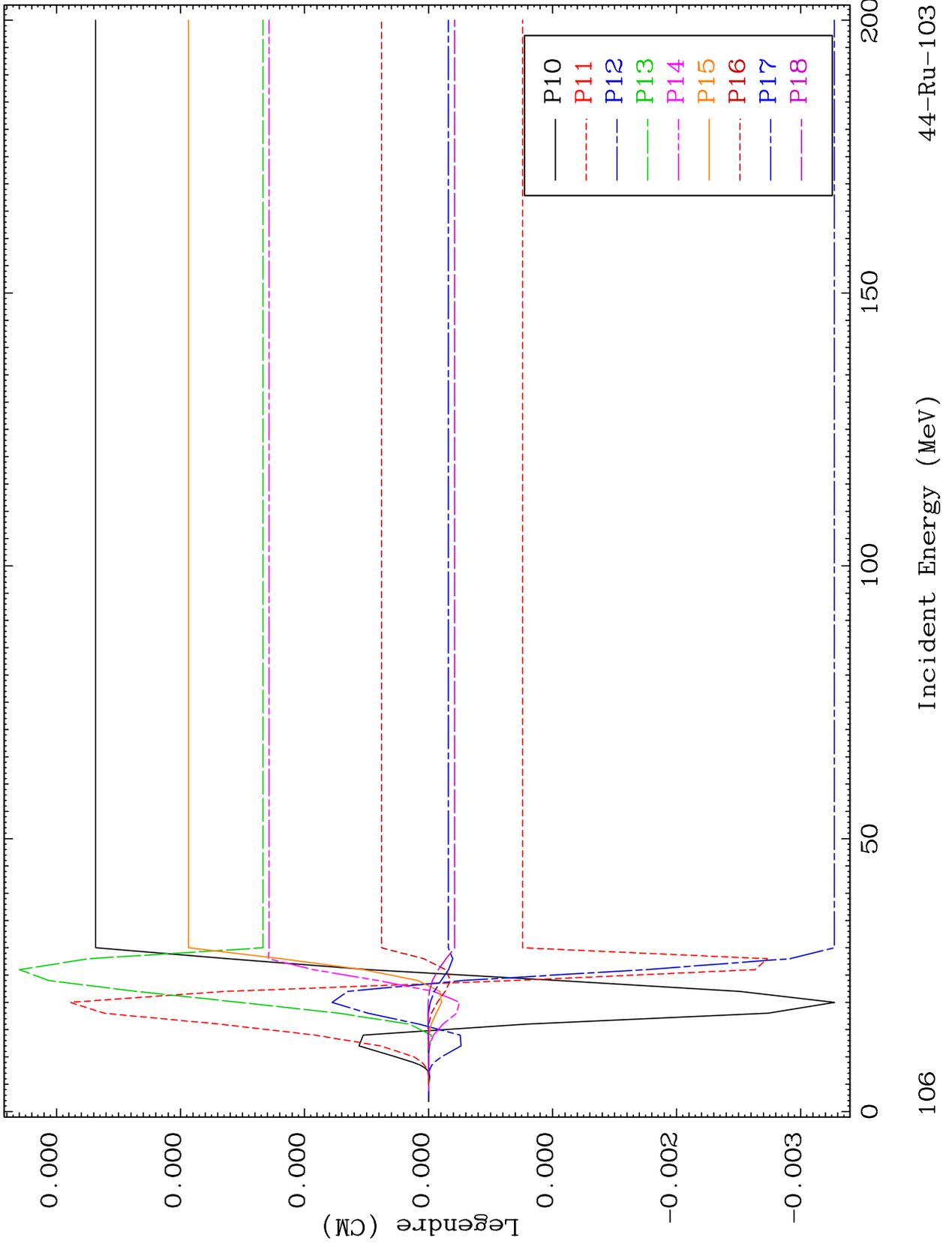
Incident Energy (MeV)

105

MAT 4446

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

44-Ru-103

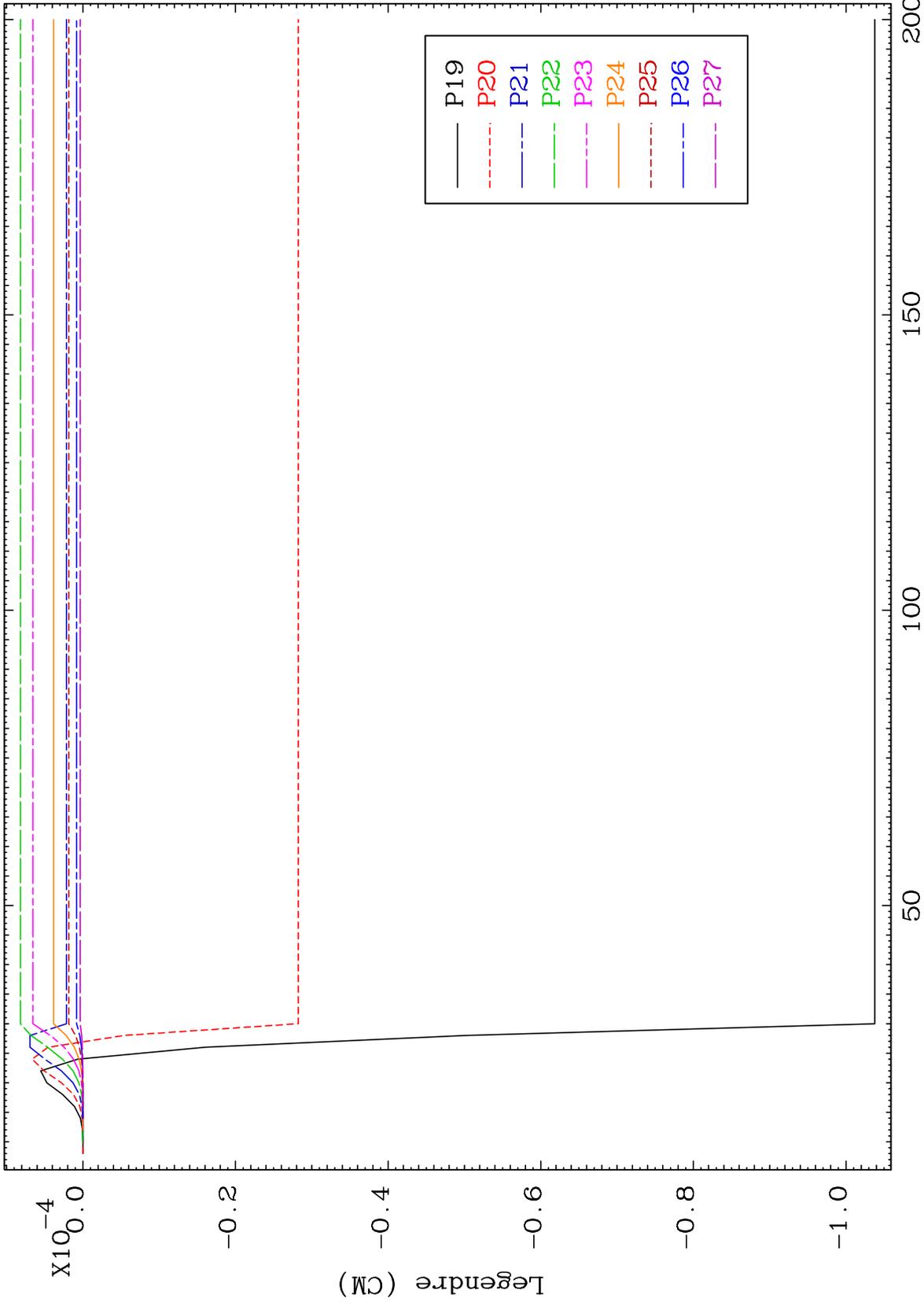


106

MAT 4446

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

44-Ru-103



107

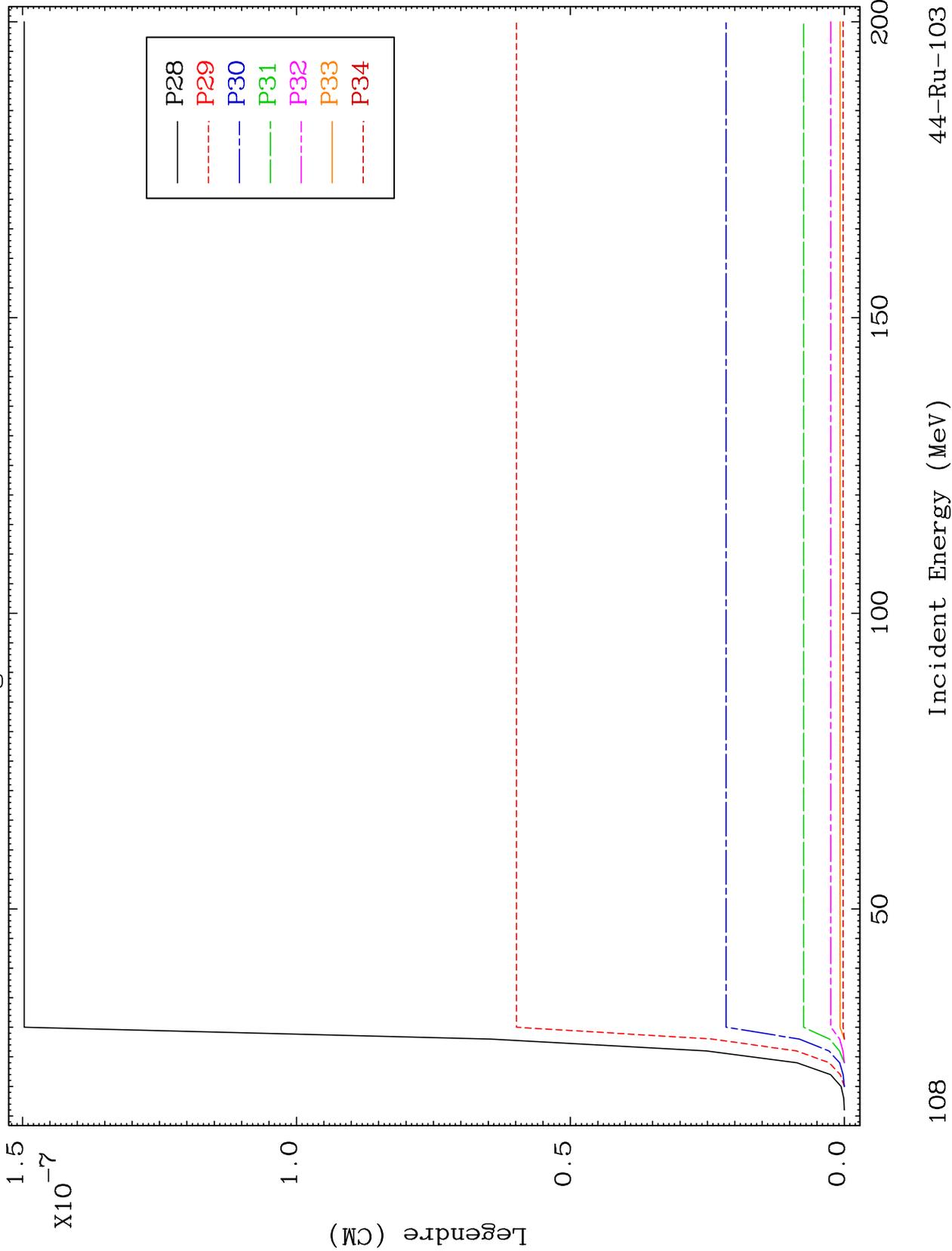
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



108

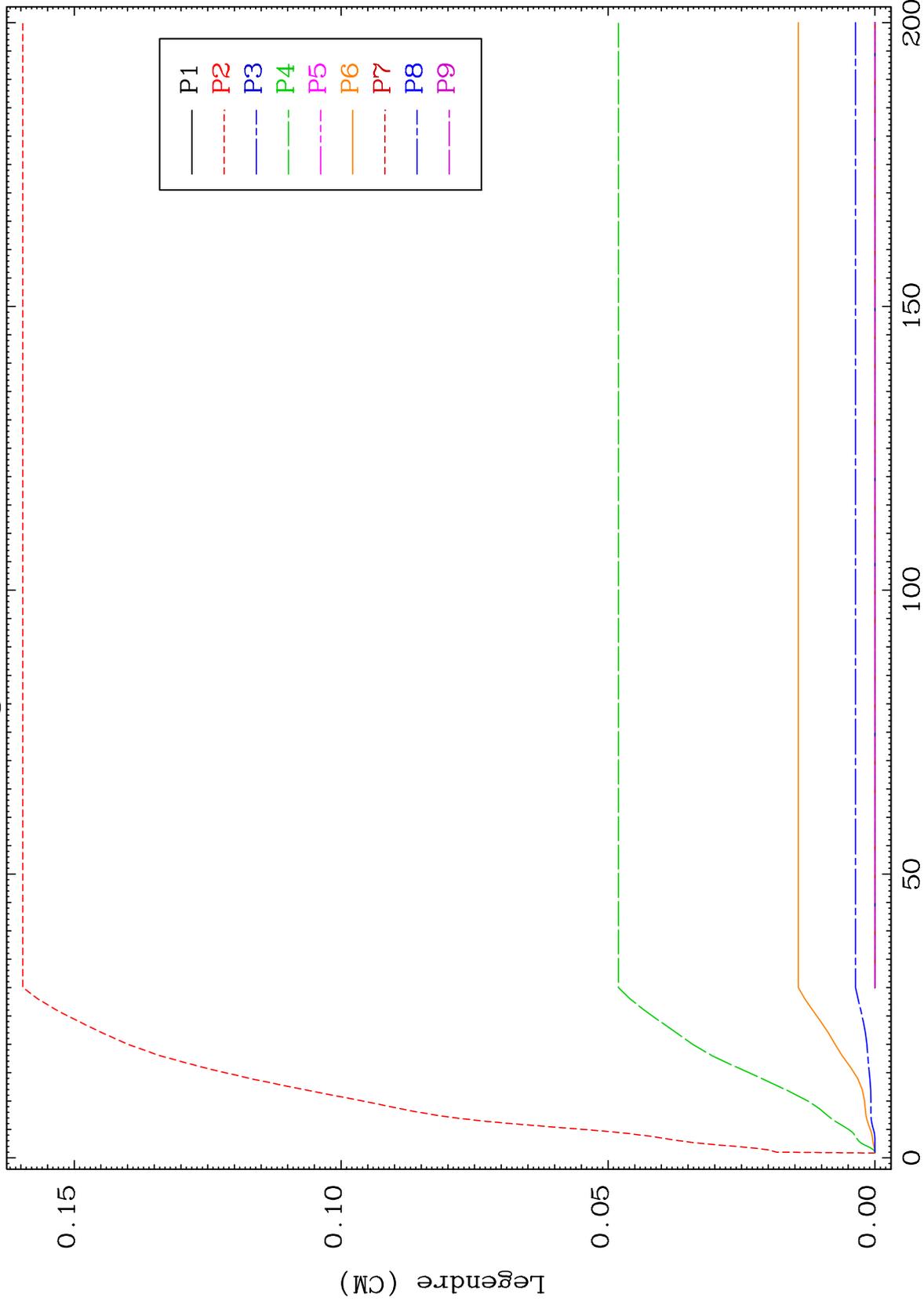
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



109

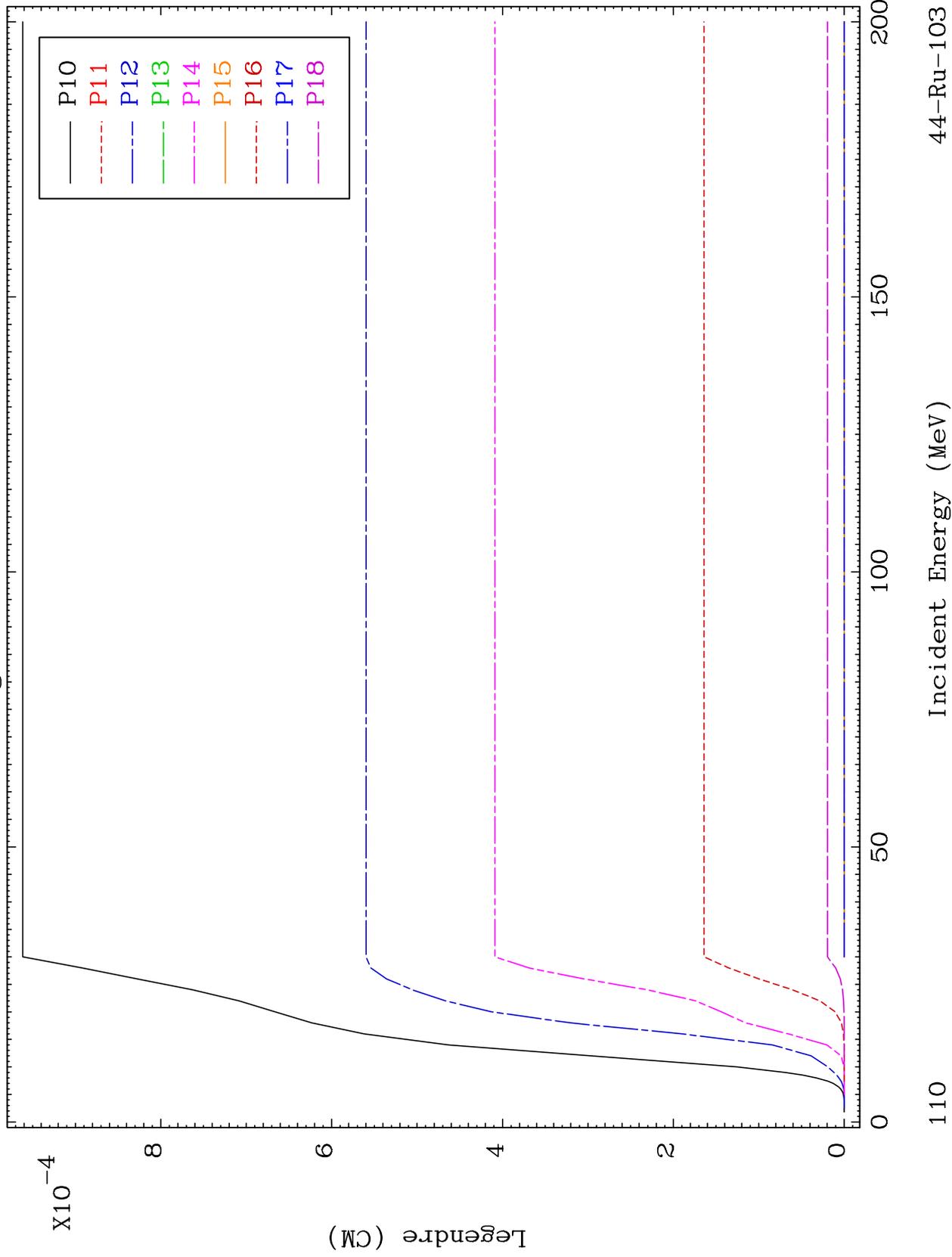
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103

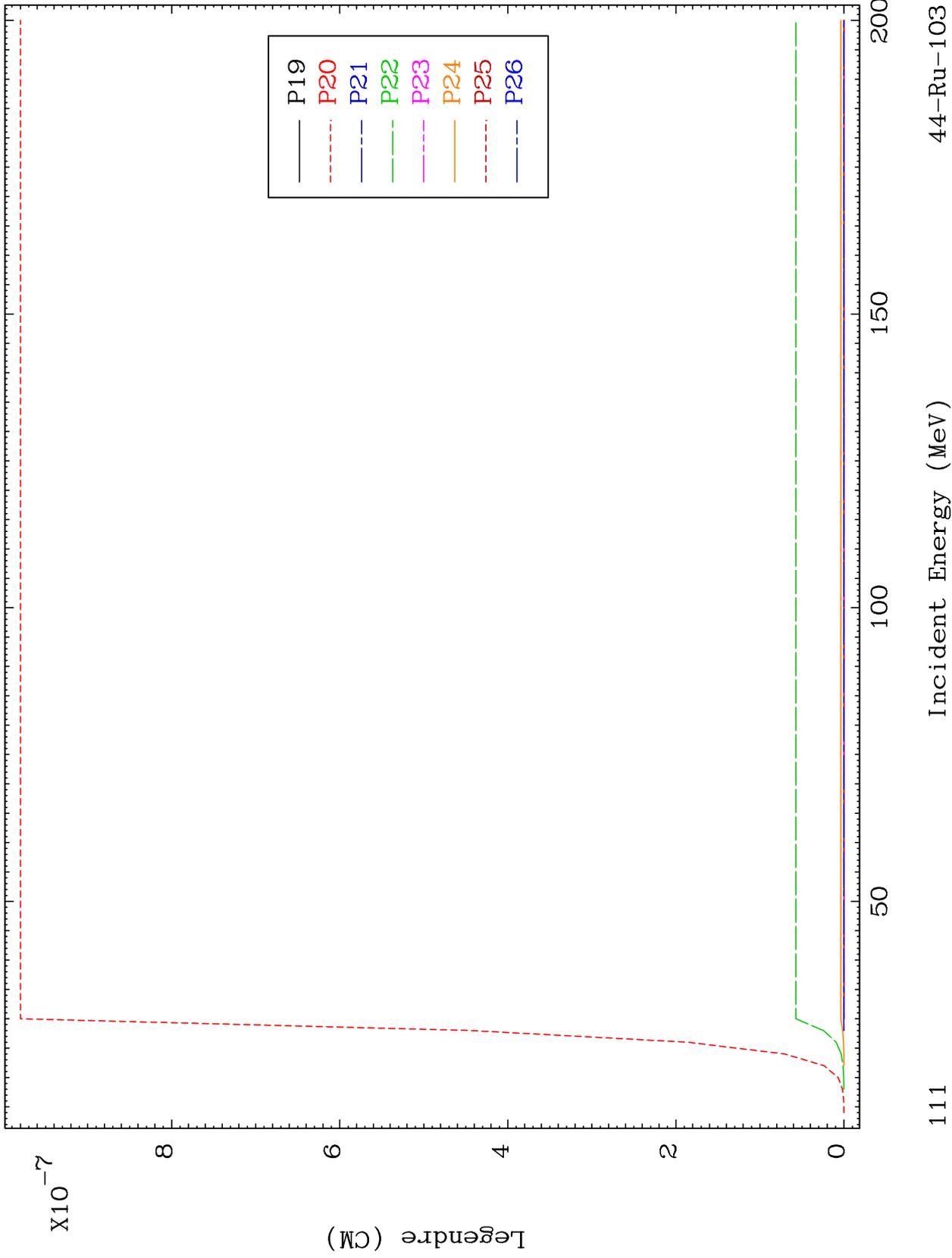


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MAT 4446

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

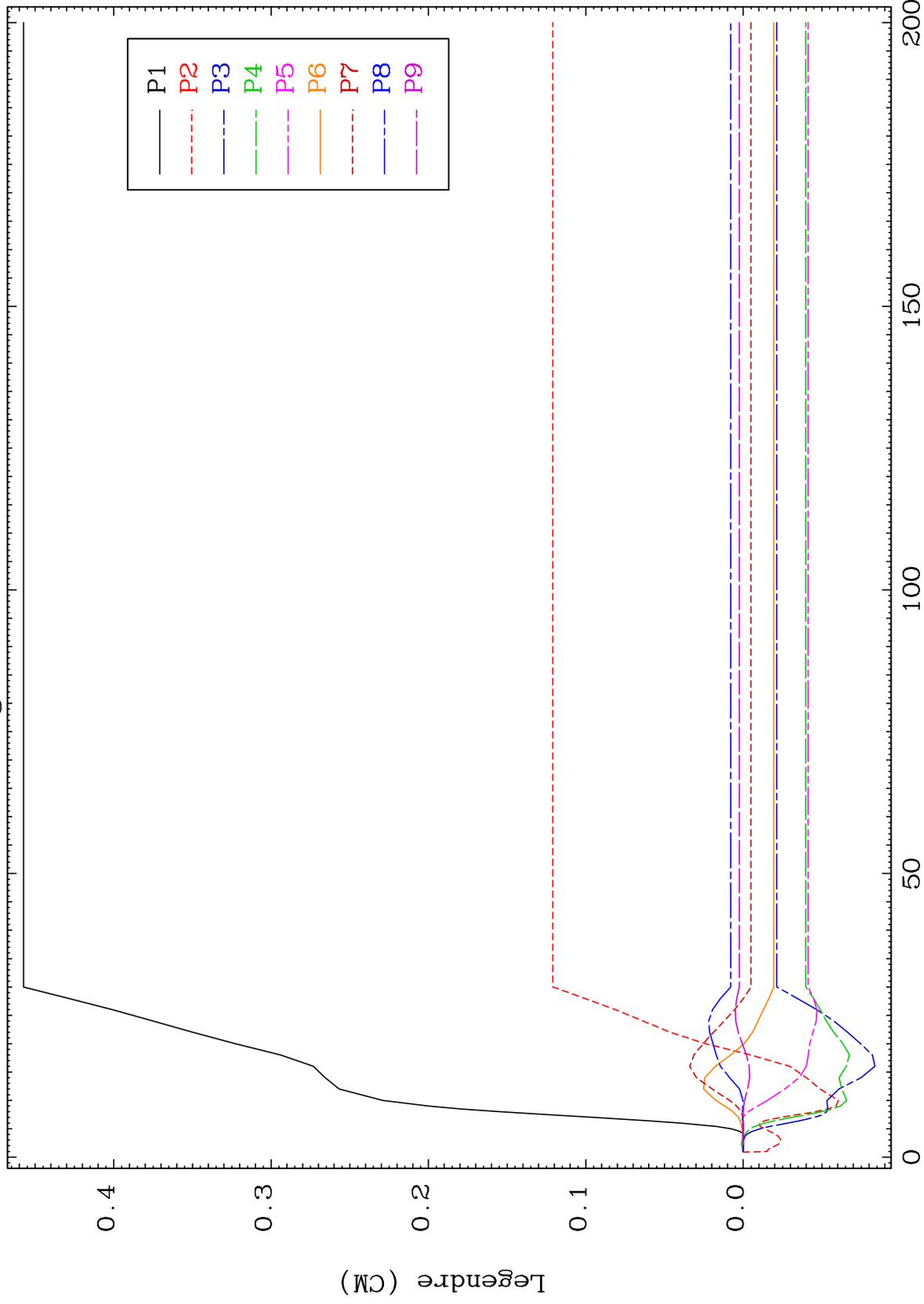
44-Ru-103



MAT 4446

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

44-Ru-103



112

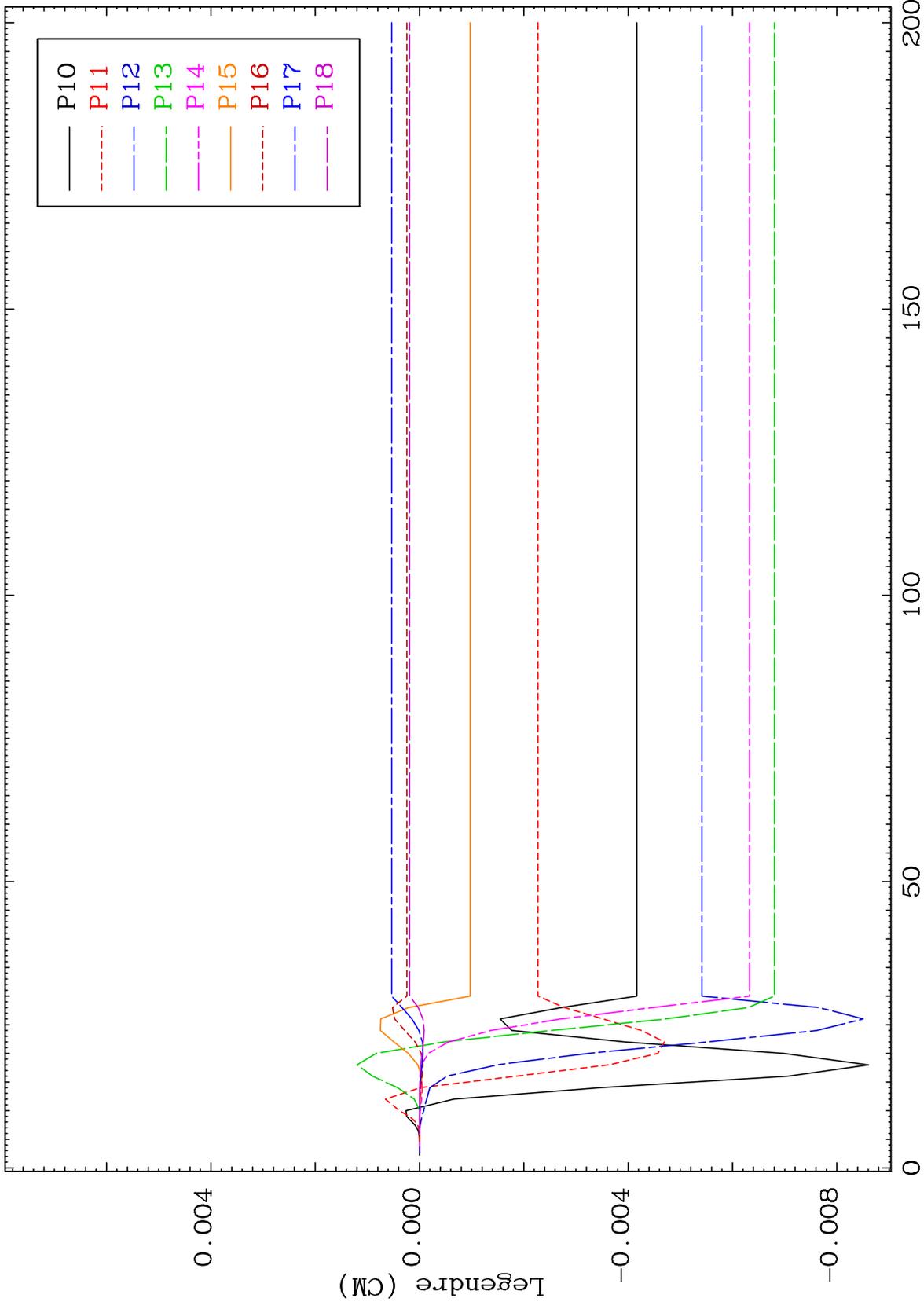
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



113

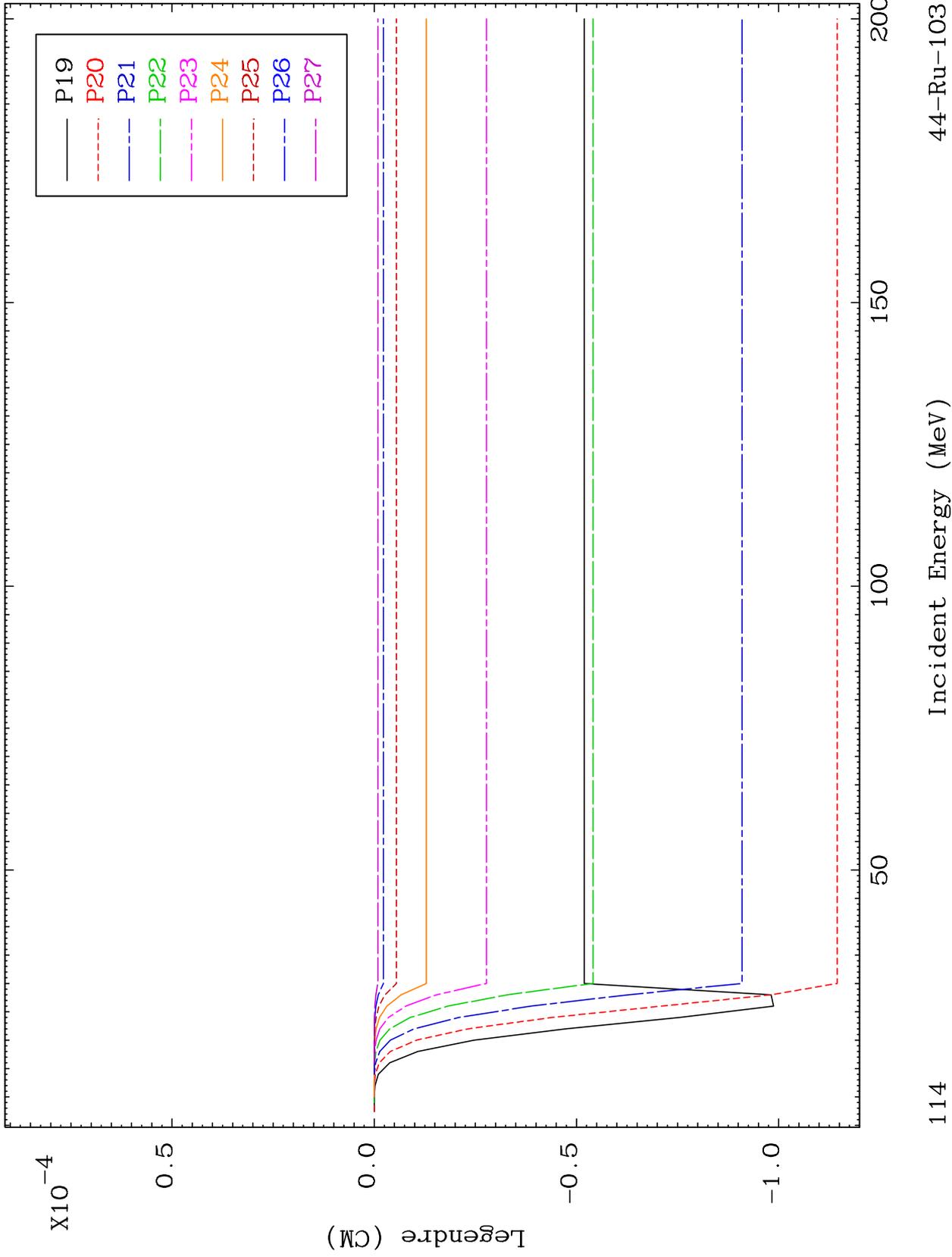
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



114

Incident Energy (MeV)

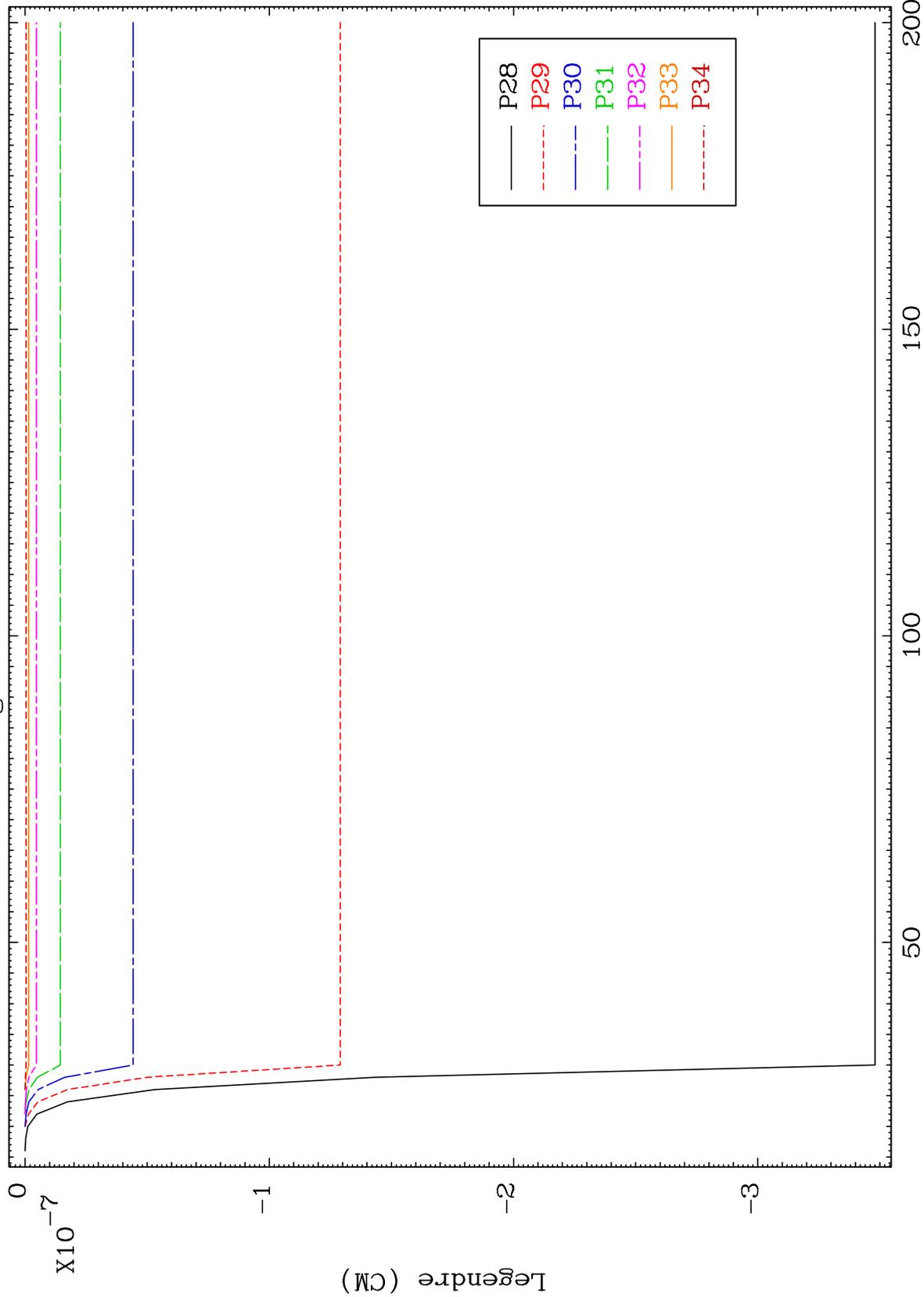
44-Ru-103

MAT 4446

MT= 79 (n,n') Level

44-Ru-103

Legendre Coefficients



115

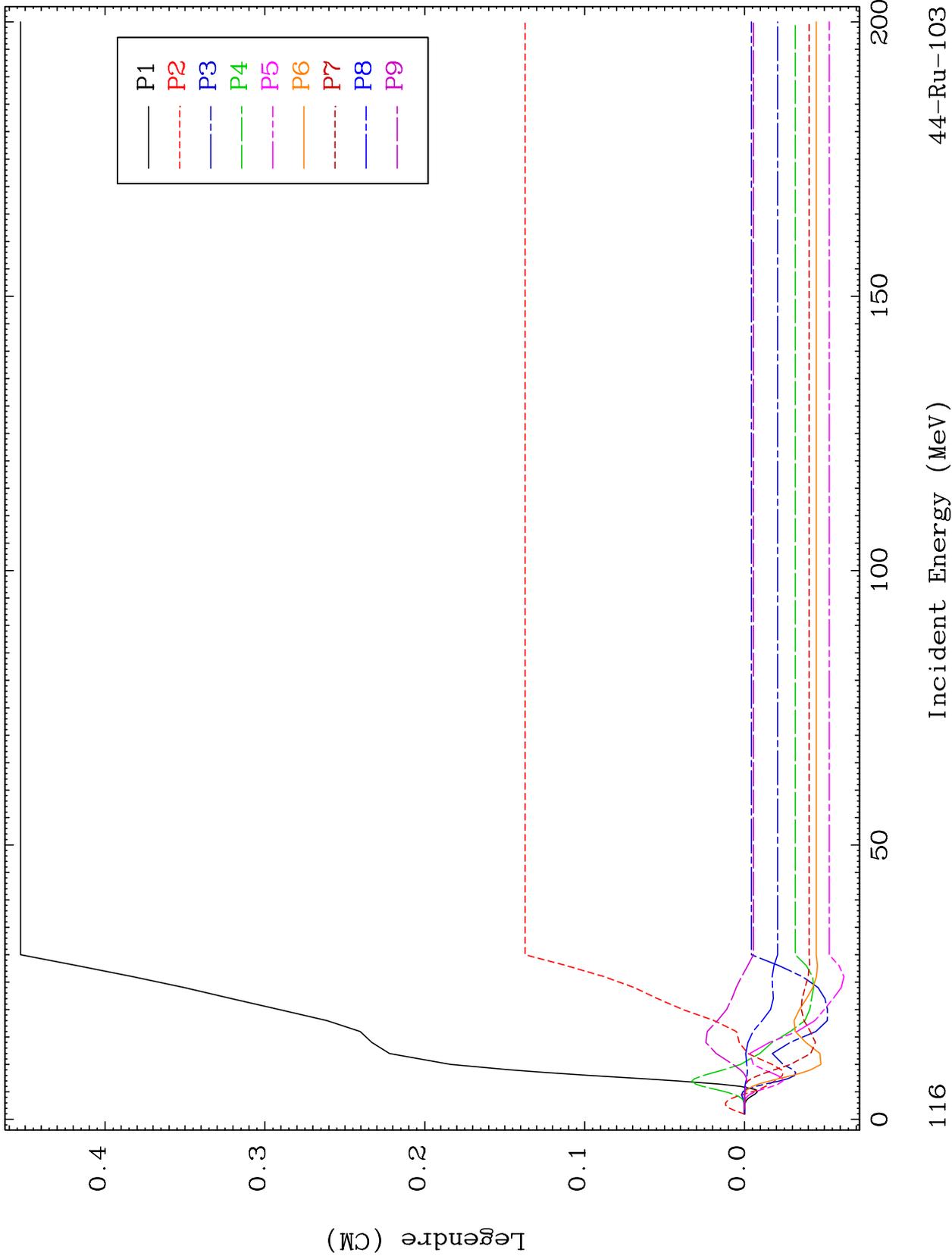
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



116

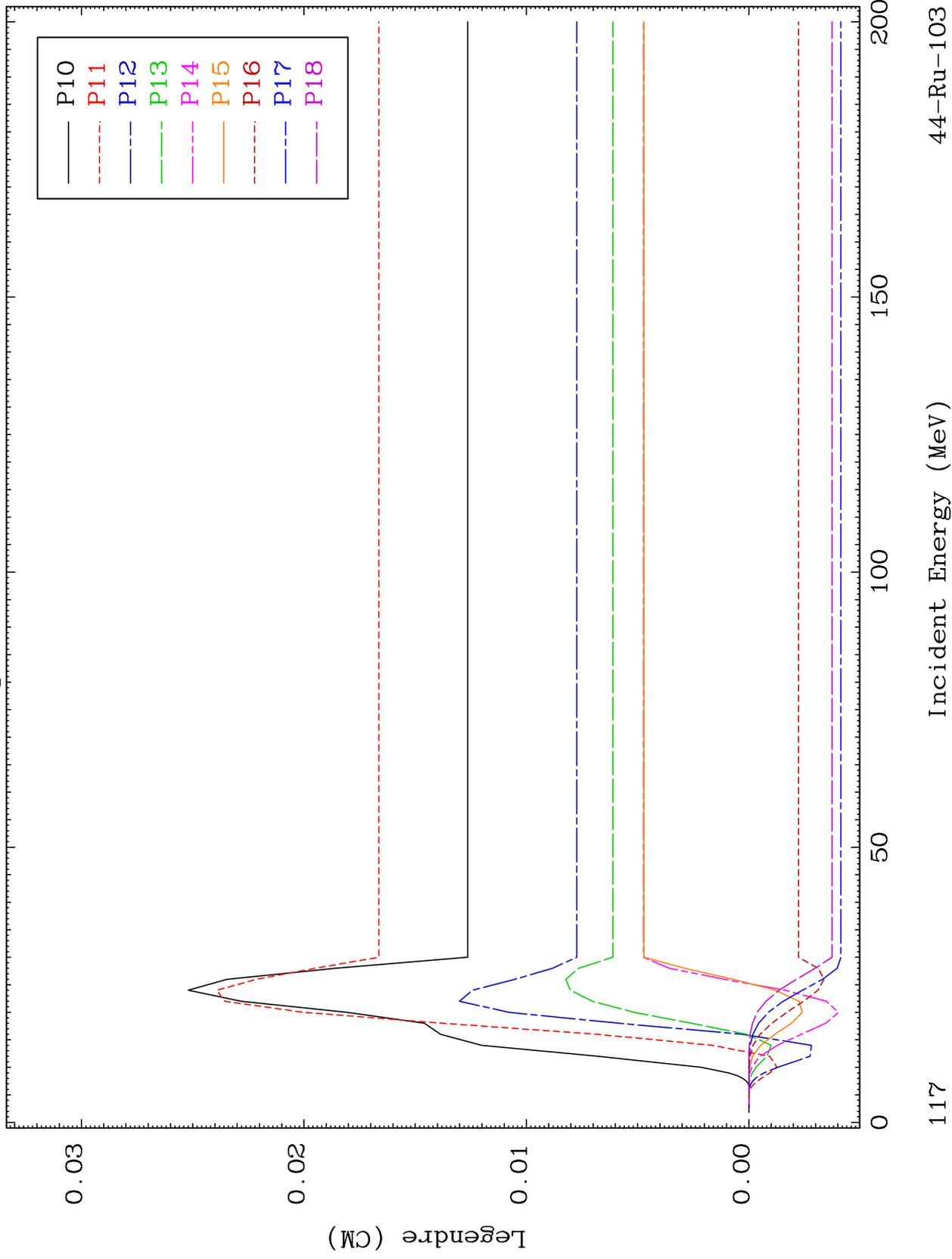
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



44-Ru-103

Incident Energy (MeV)

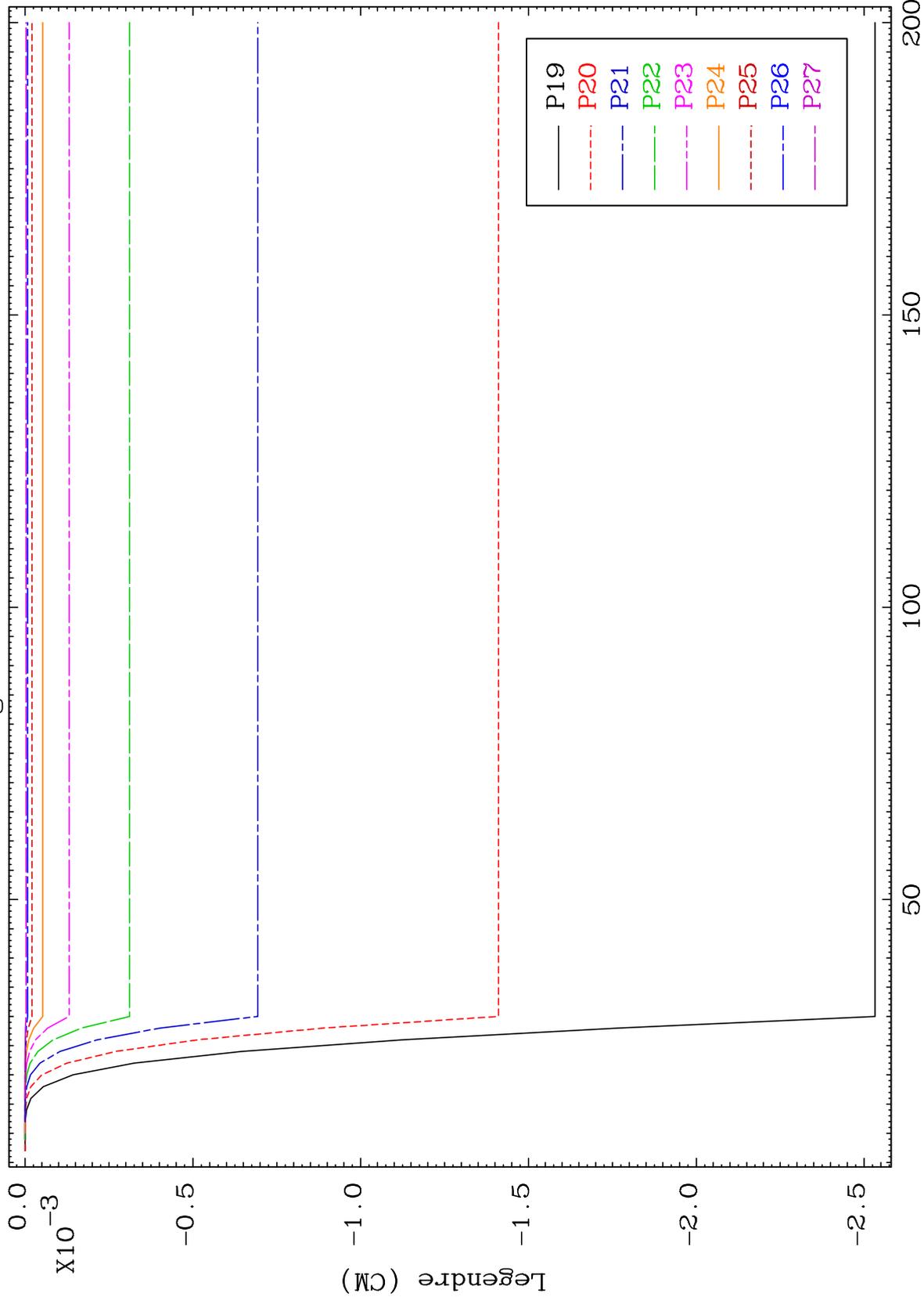
117

MAT 4446

MT= 80 (n,n') Level

44-Ru-103

Legendre Coefficients



118

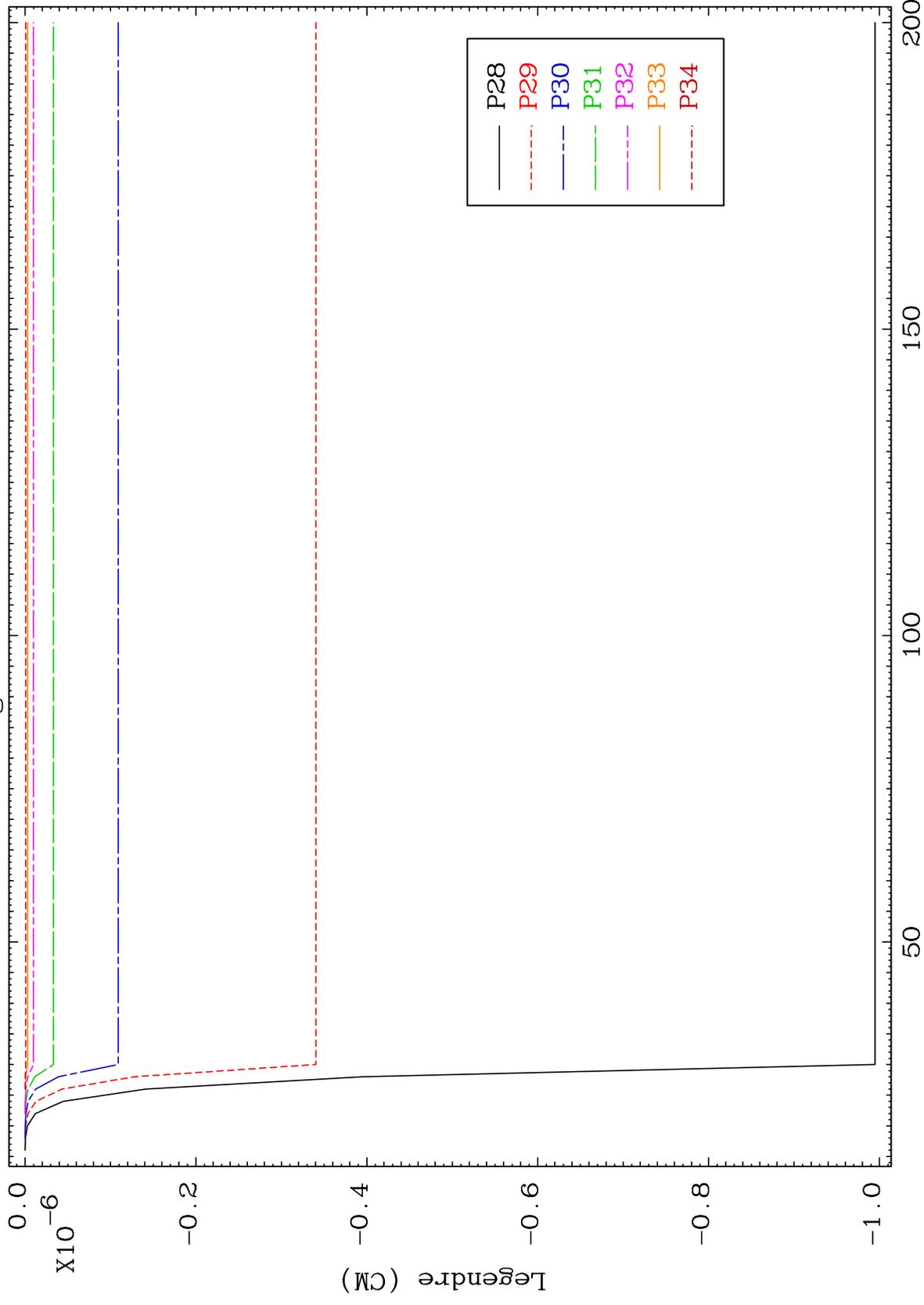
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



119

Incident Energy (MeV)

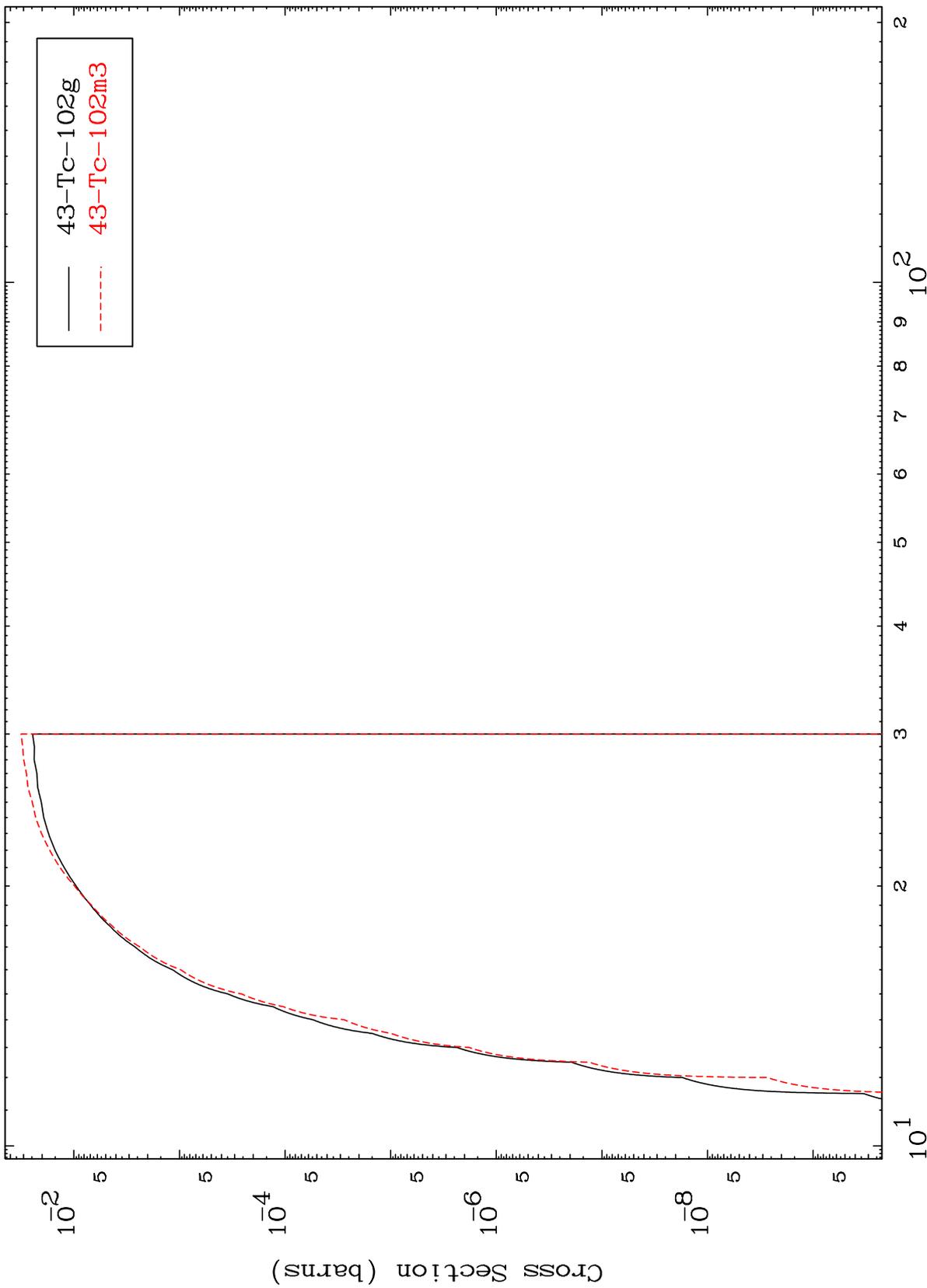
44-Ru-103

MAT 4446

(n,n') p

44-Ru-103

Radionuclide Production Cross Section



Incident Energy (MeV)

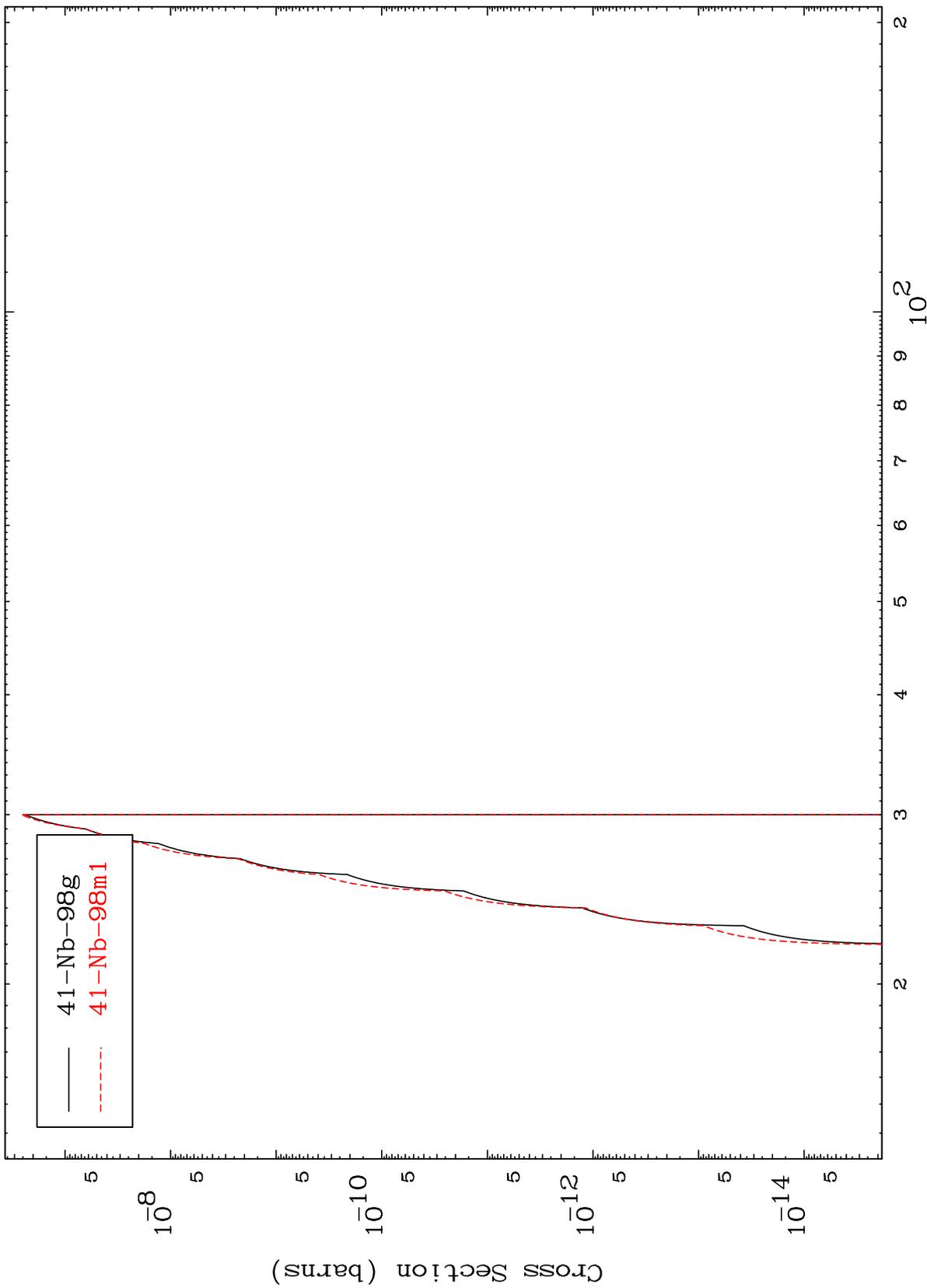
44-Ru-103

MAT 4446

(n,n') p α

44-Ru-103

Radionuclide Production Cross Section



121

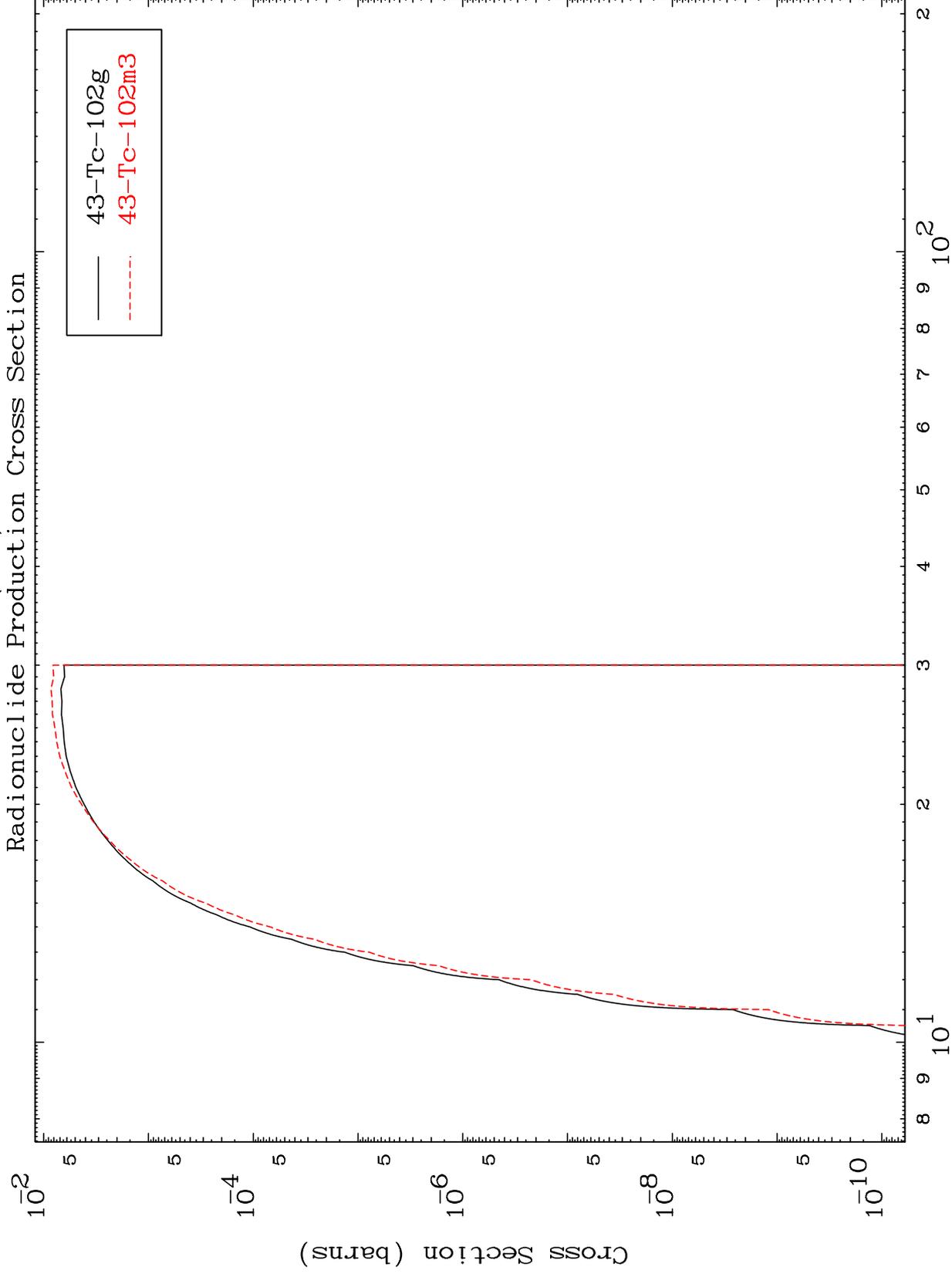
Incident Energy (MeV)

44-Ru-103

MAT 4446

(n,d)

44-Ru-103



122

Incident Energy (MeV)

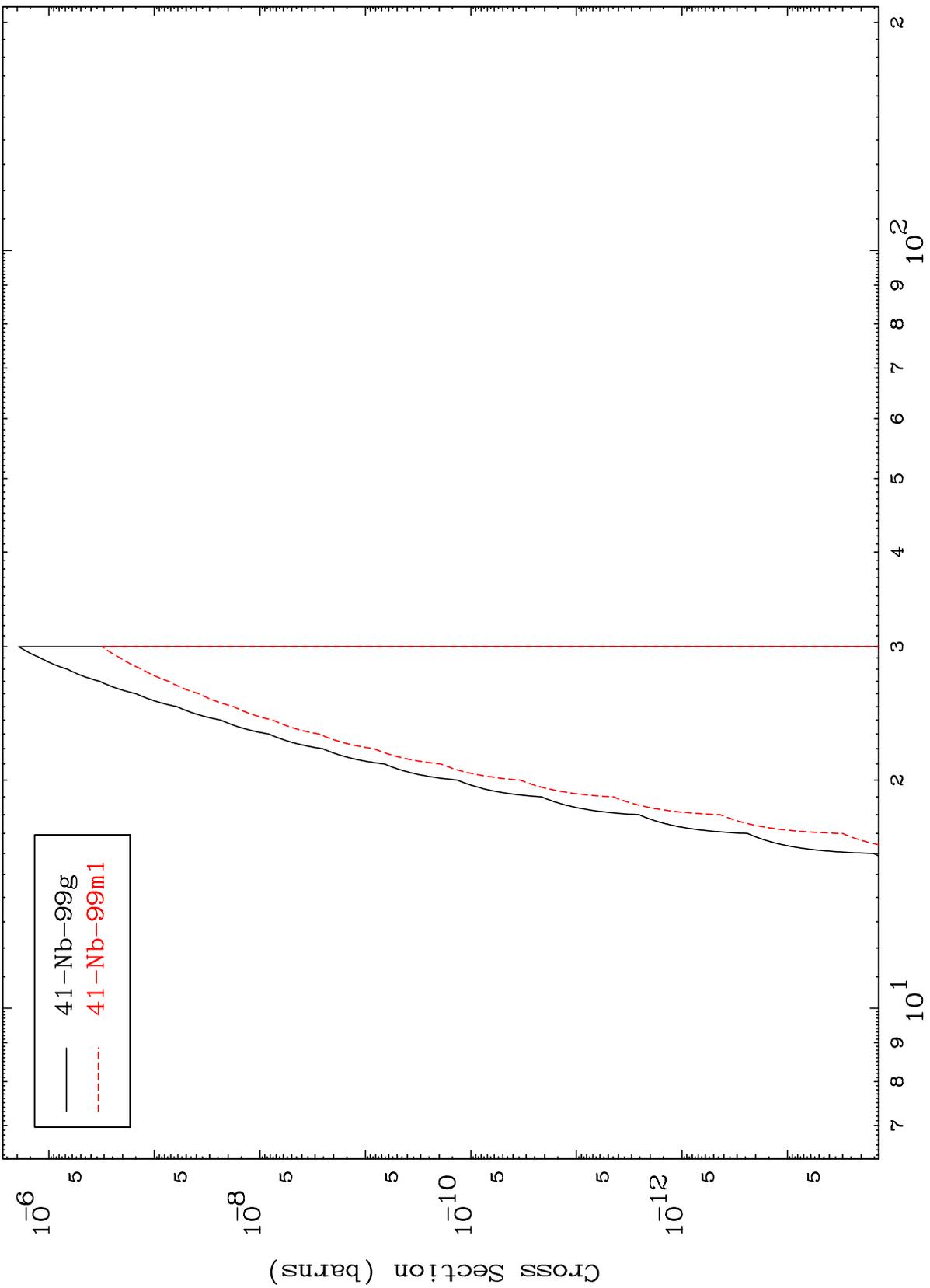
44-Ru-103

MAT 4446

(n,p) α

44-Ru-103

Radionuclide Production Cross Section



— 41-Nb-99g
- - - 41-Nb-99m1

123

Incident Energy (MeV)

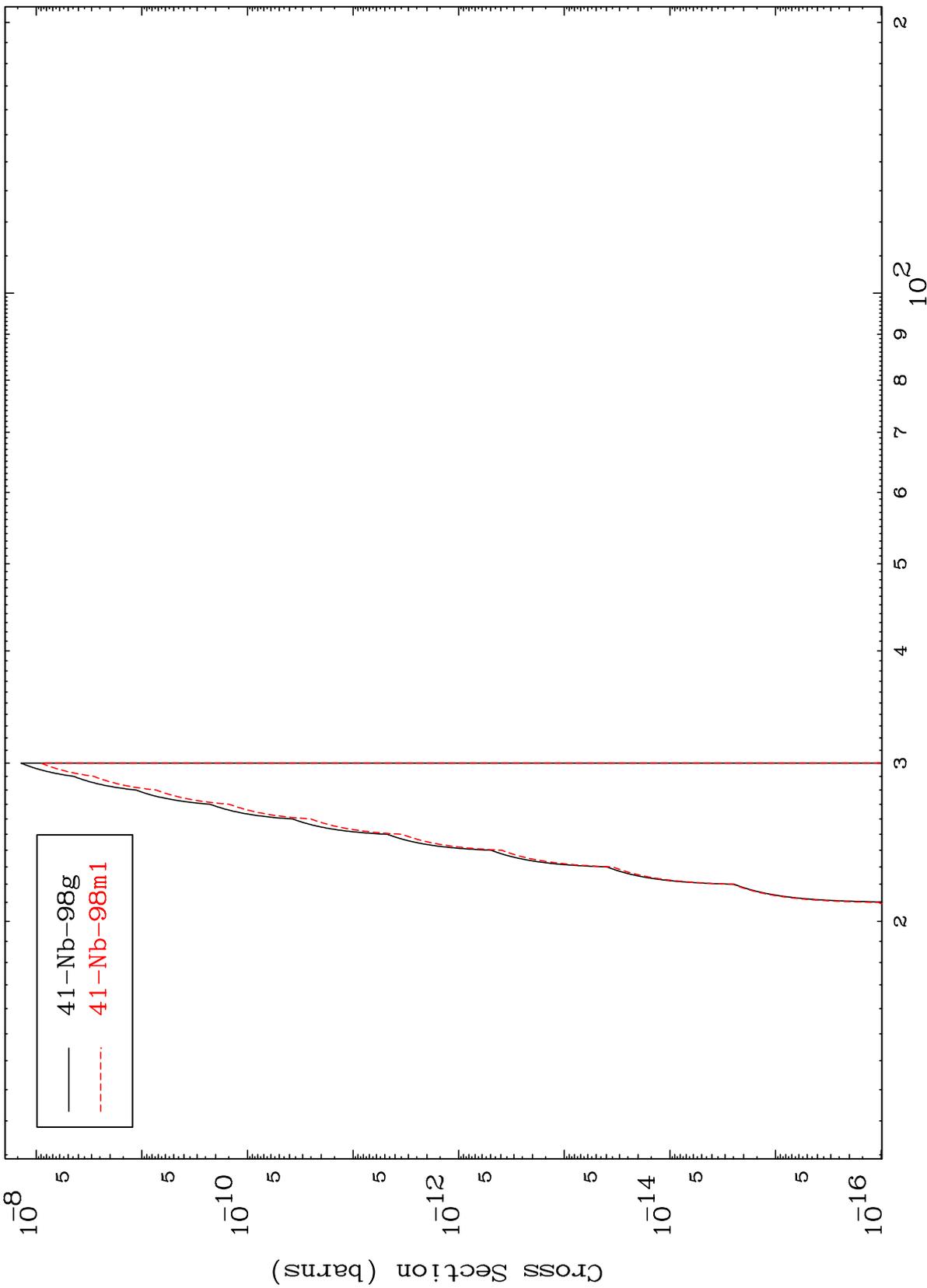
44-Ru-103

MAT 4446

(n,d) α

44-Ru-103

Radionuclide Production Cross Section



124

Incident Energy (MeV)

44-Ru-103