

Program EVALPLOT
(Version 2018-1)

by

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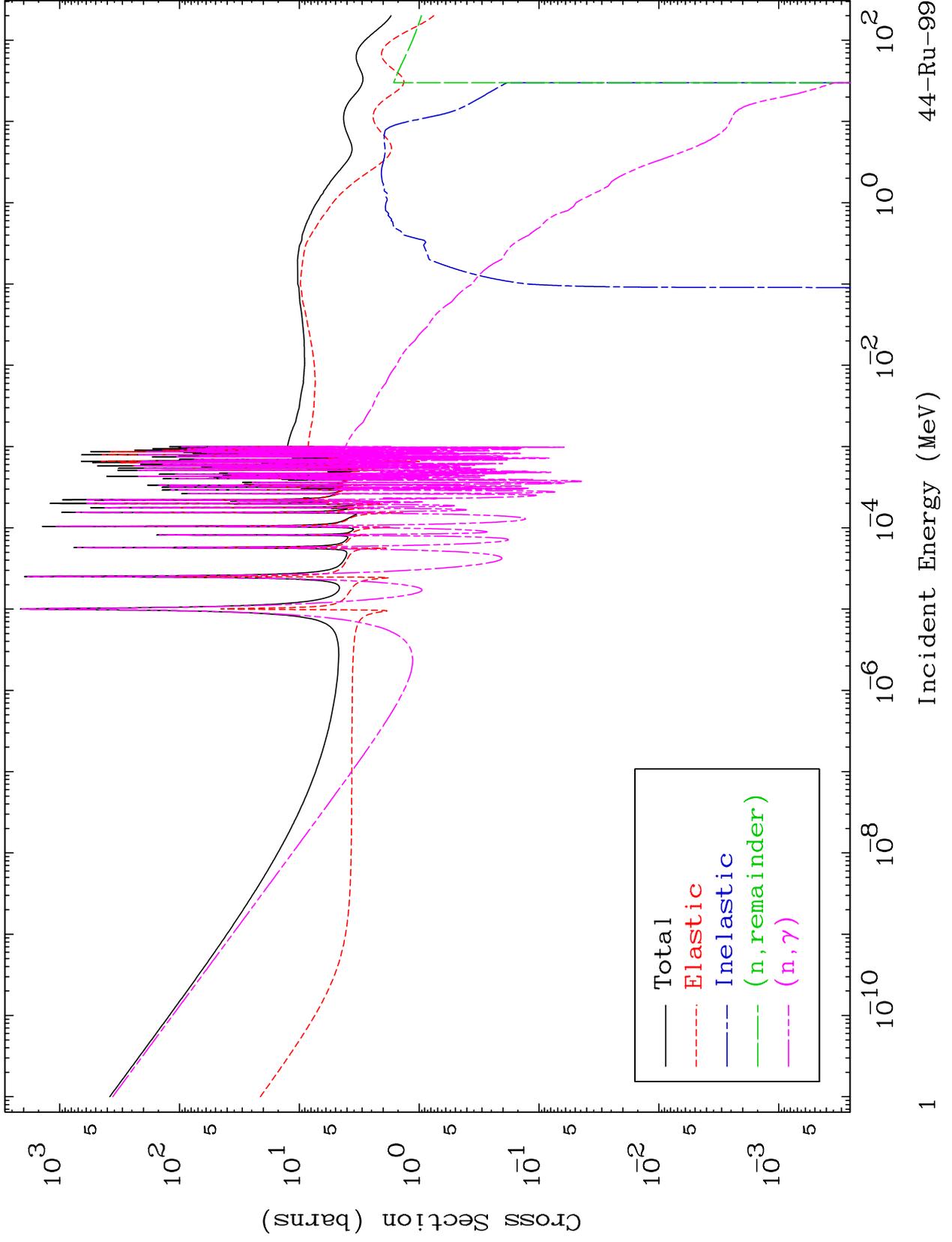
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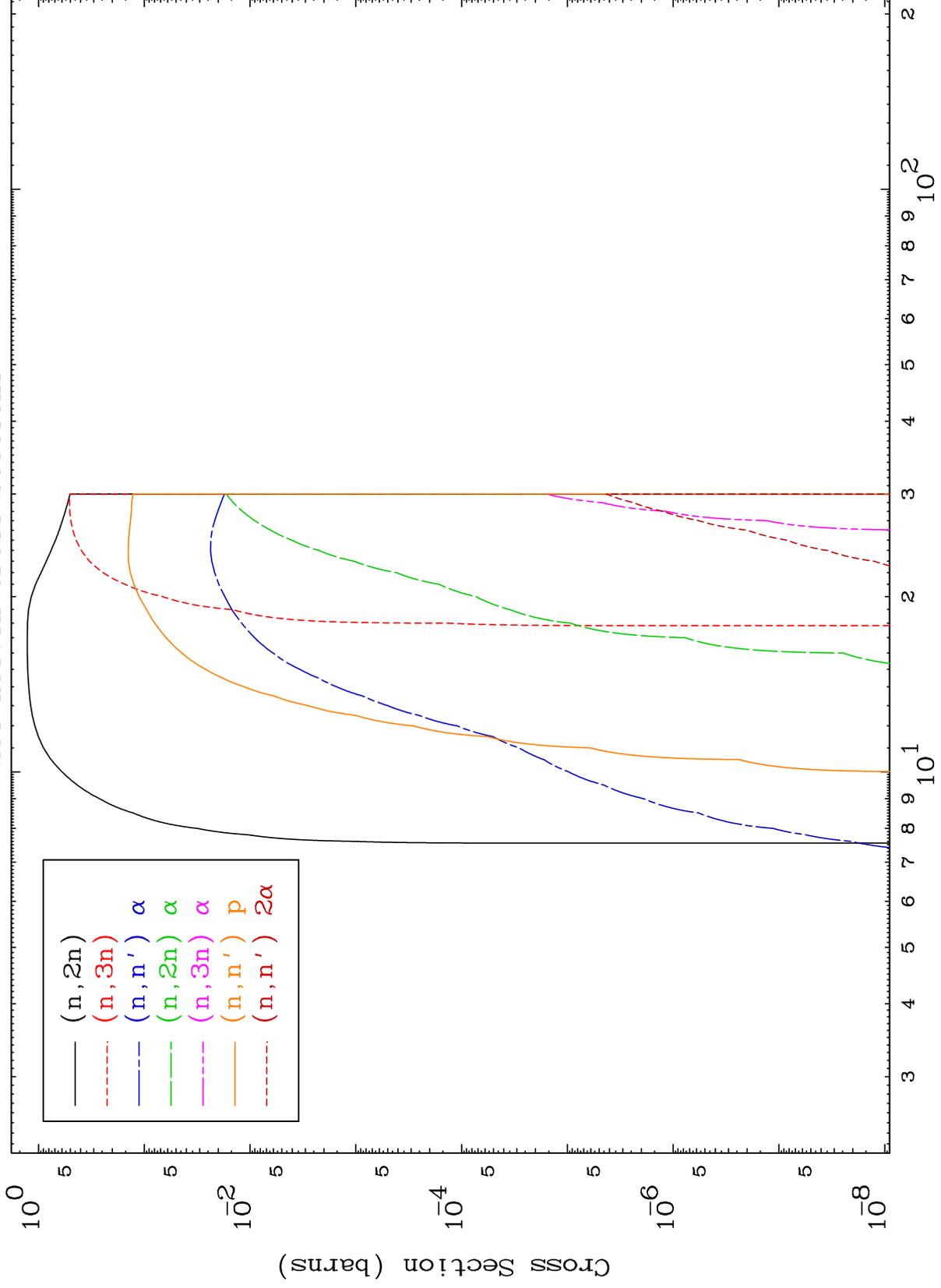
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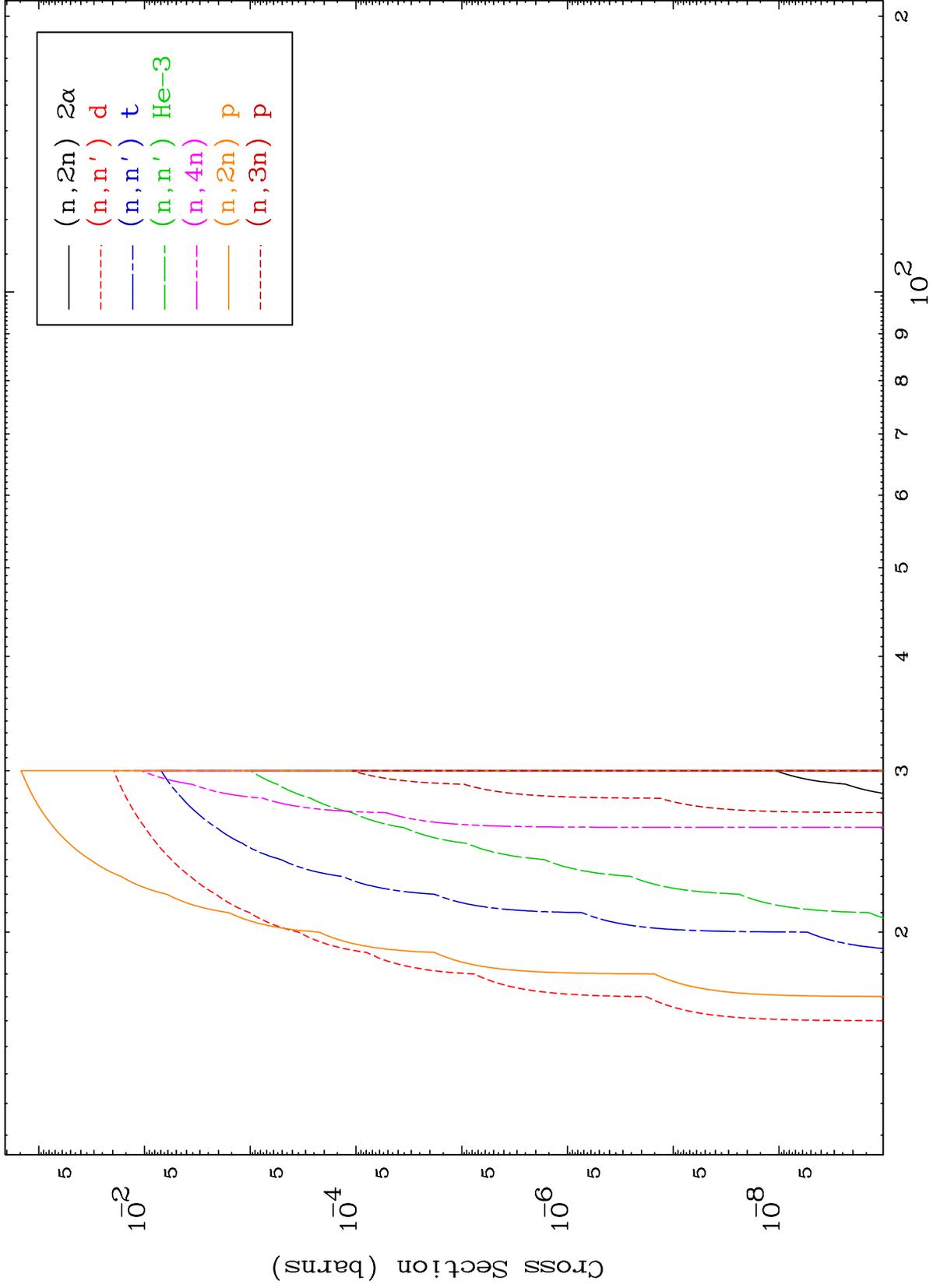
MAT 4434

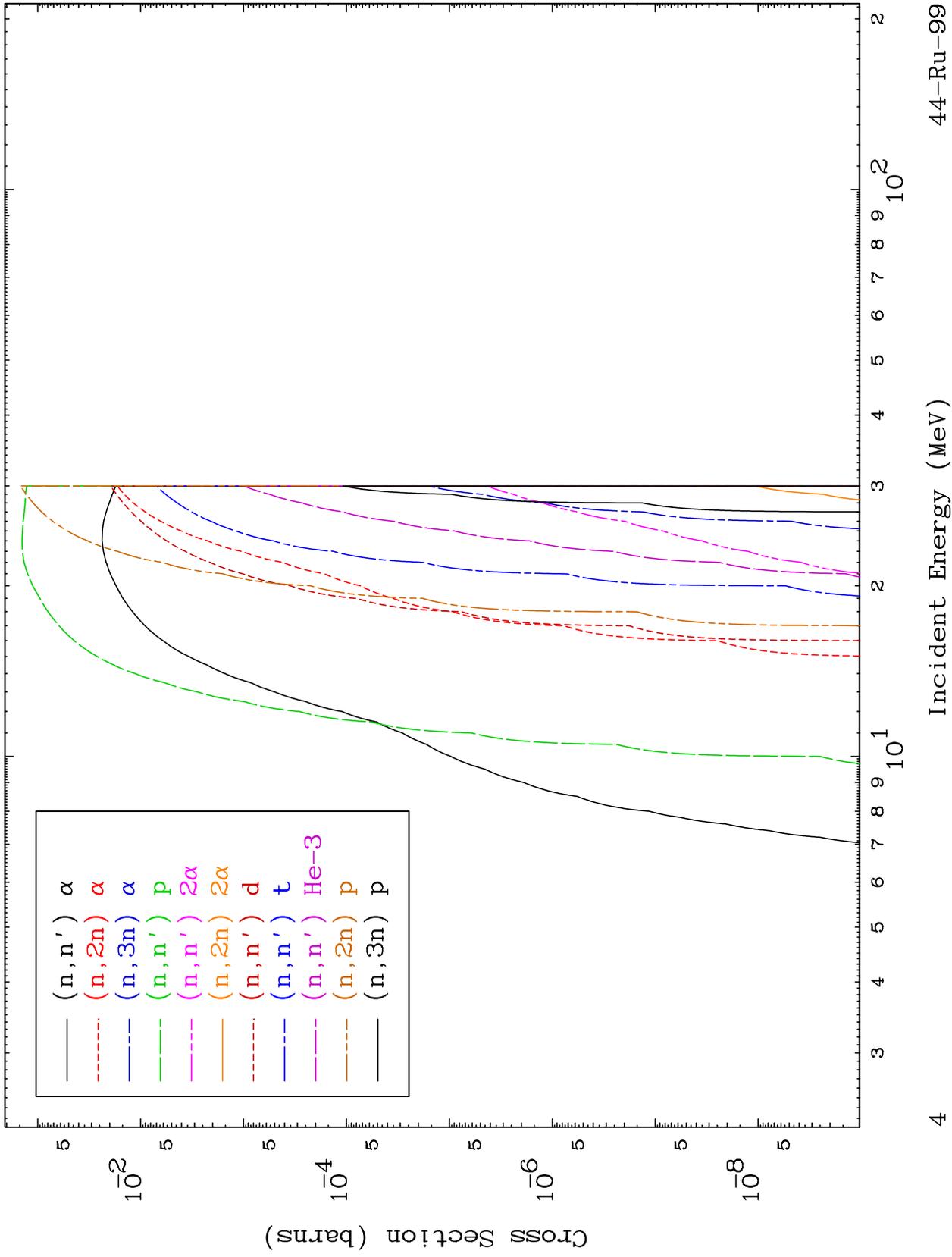
Major
293 Kelvin Cross Sections

44-Ru-99





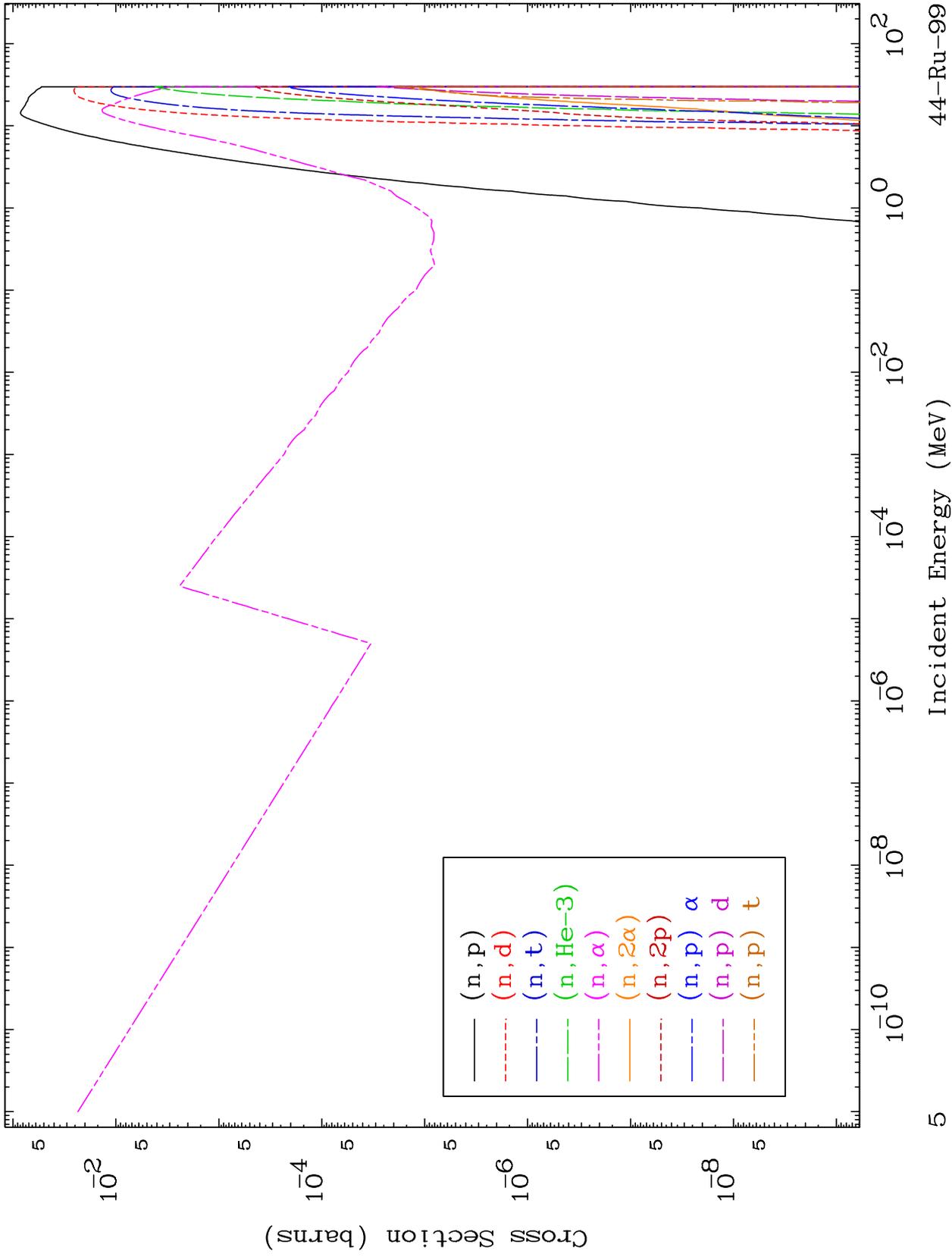




MAT 4434

Charged Particle
293 Kelvin Cross Sections

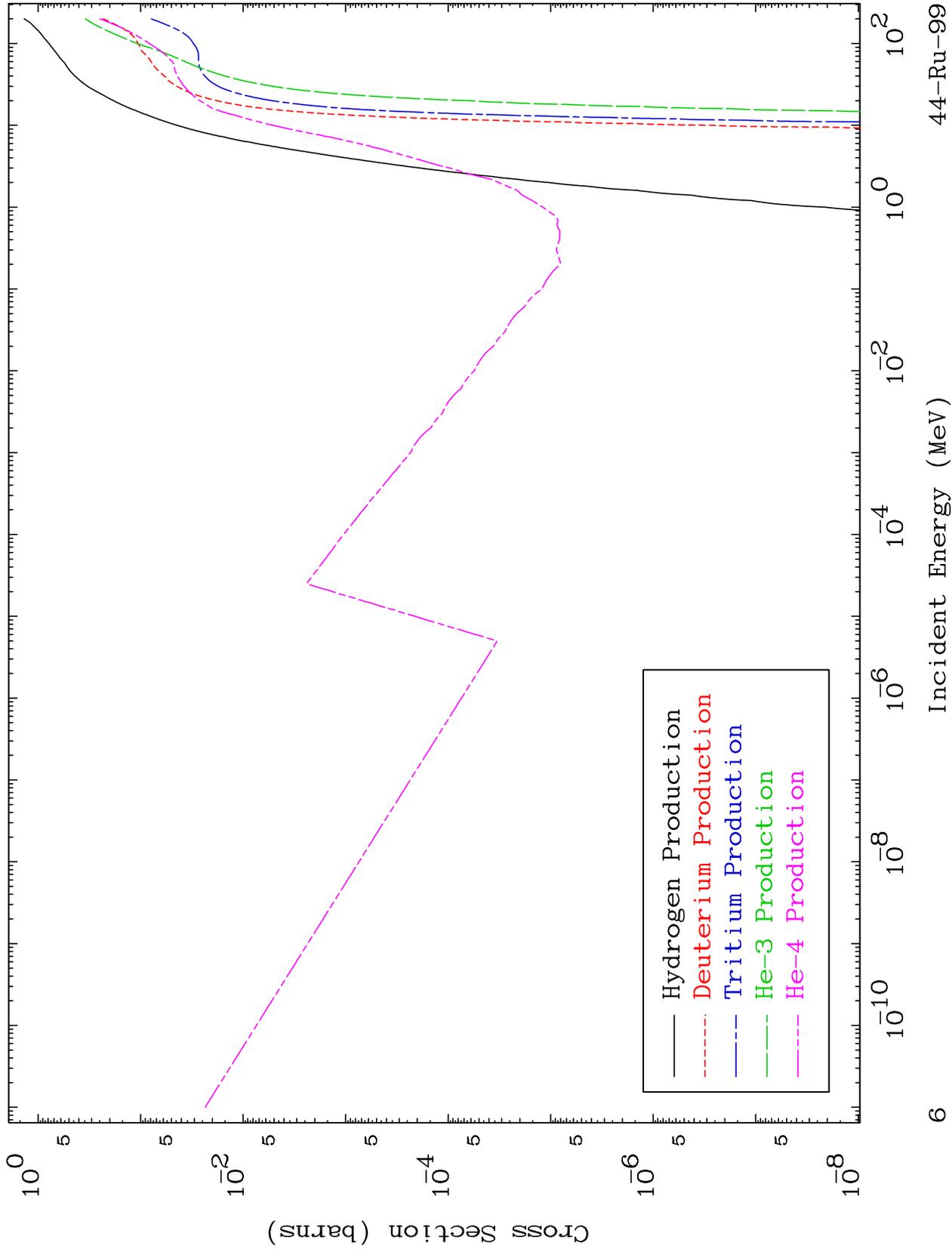
44-Ru-99



MAT 4434

Particle Production
293 Kelvin Cross Sections

44-Ru-99

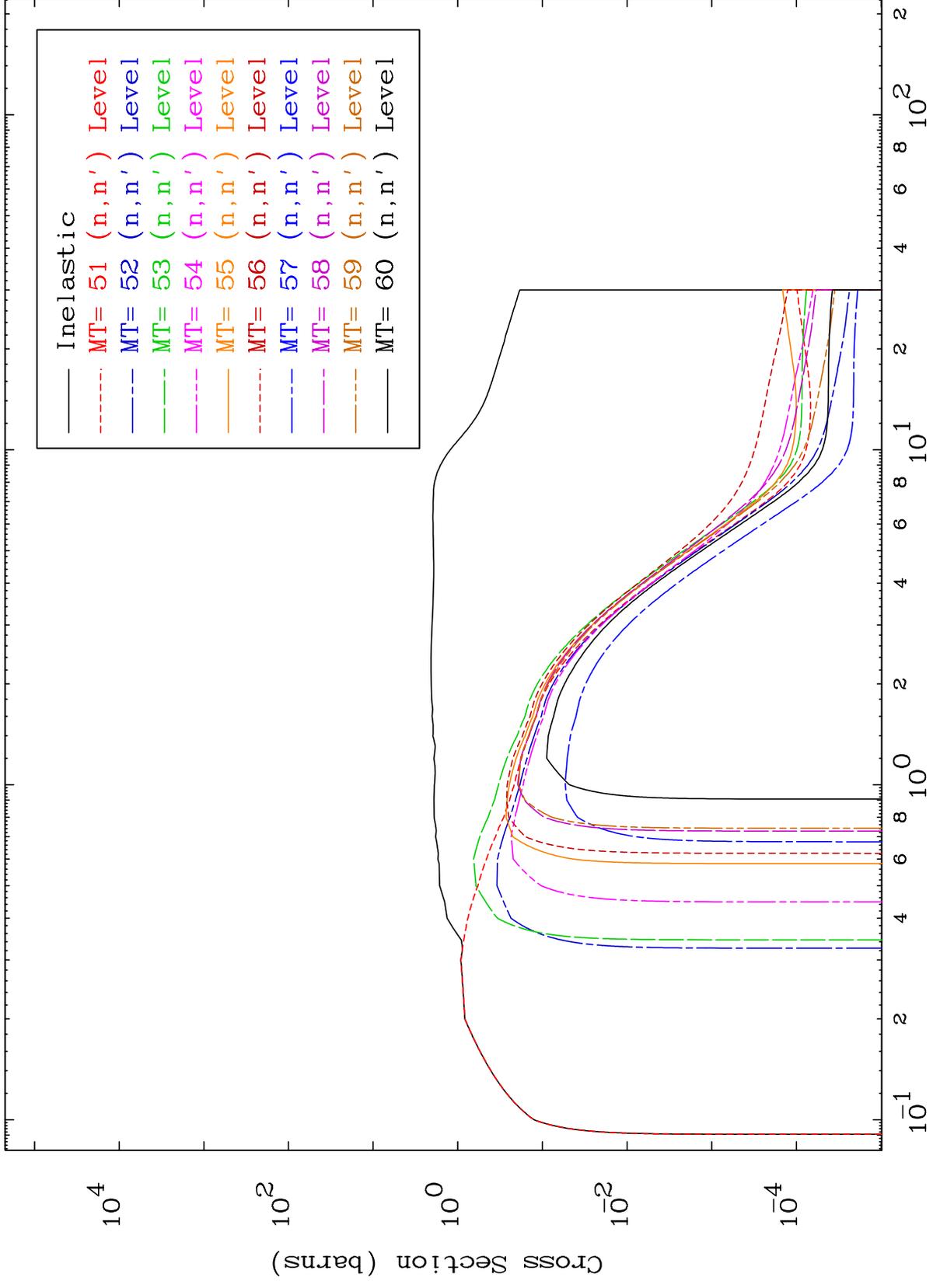


MAT 4434

(n,n') Level

44-Ru-99

293 Kelvin Cross Sections



Incident Energy (MeV)

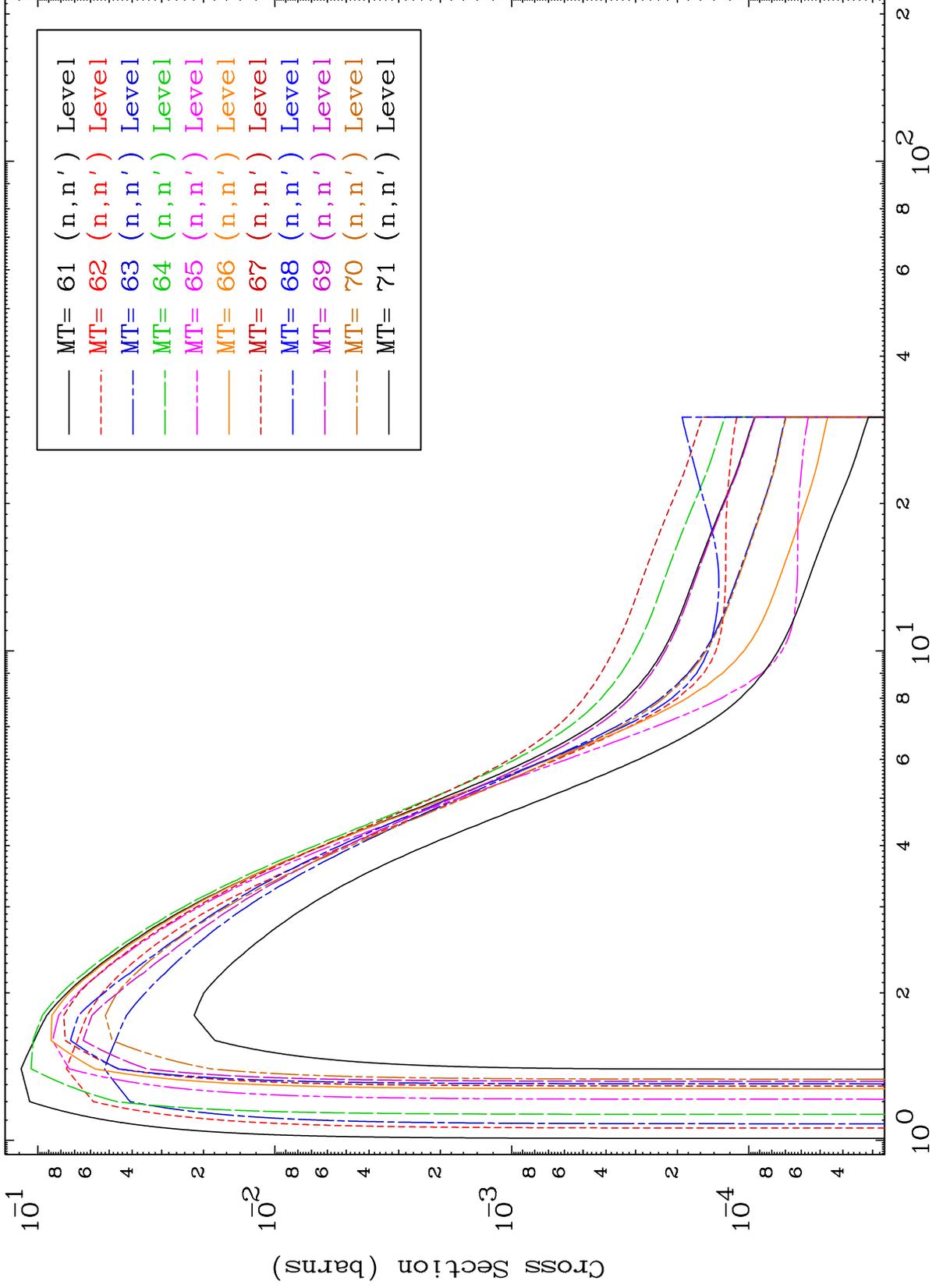
44-Ru-99

MAT 4434

(n,n') Level

44-Ru-99

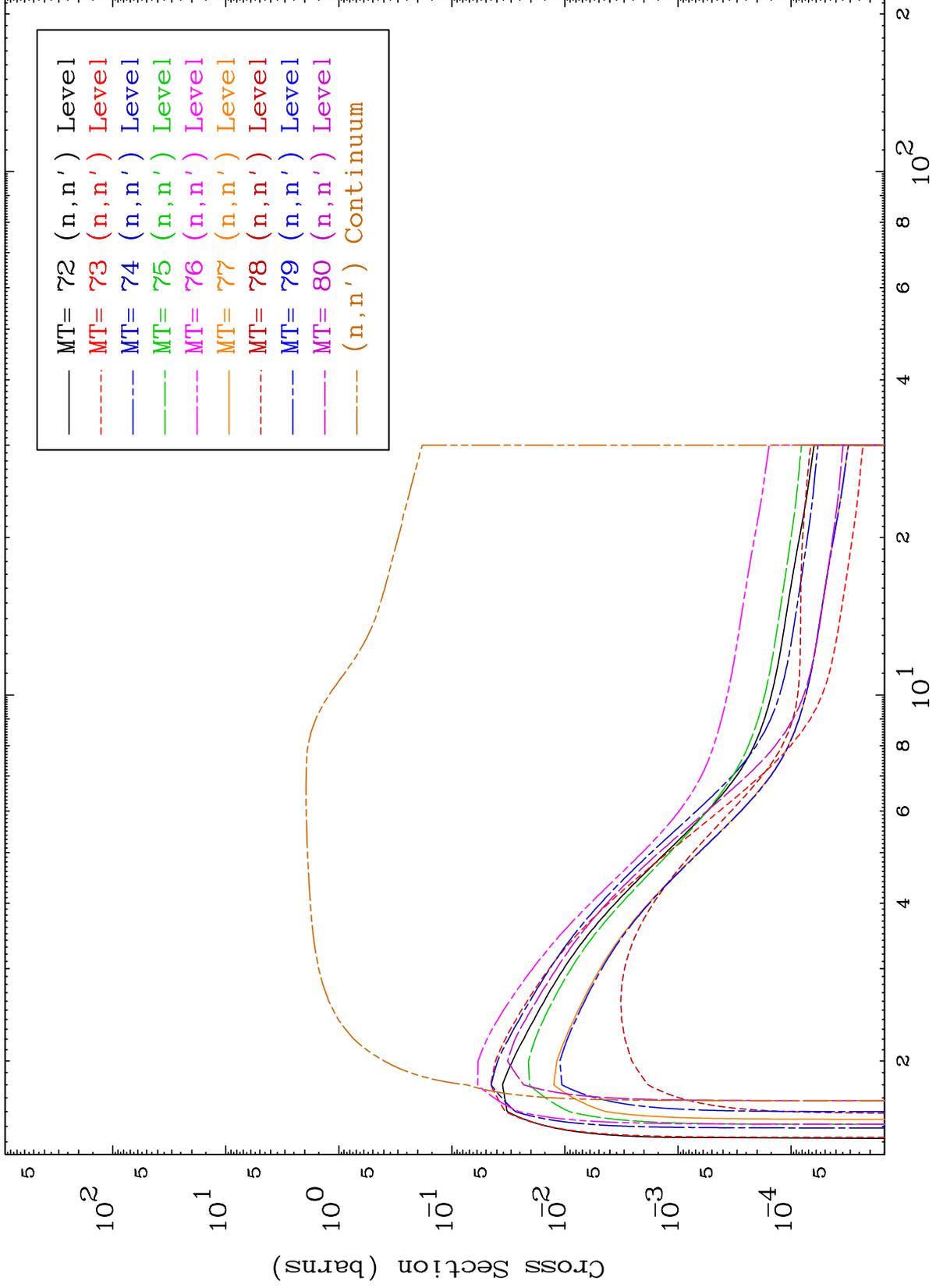
293 Kelvin Cross Sections



Incident Energy (MeV)

44-Ru-99

293 Kelvin Cross Sections

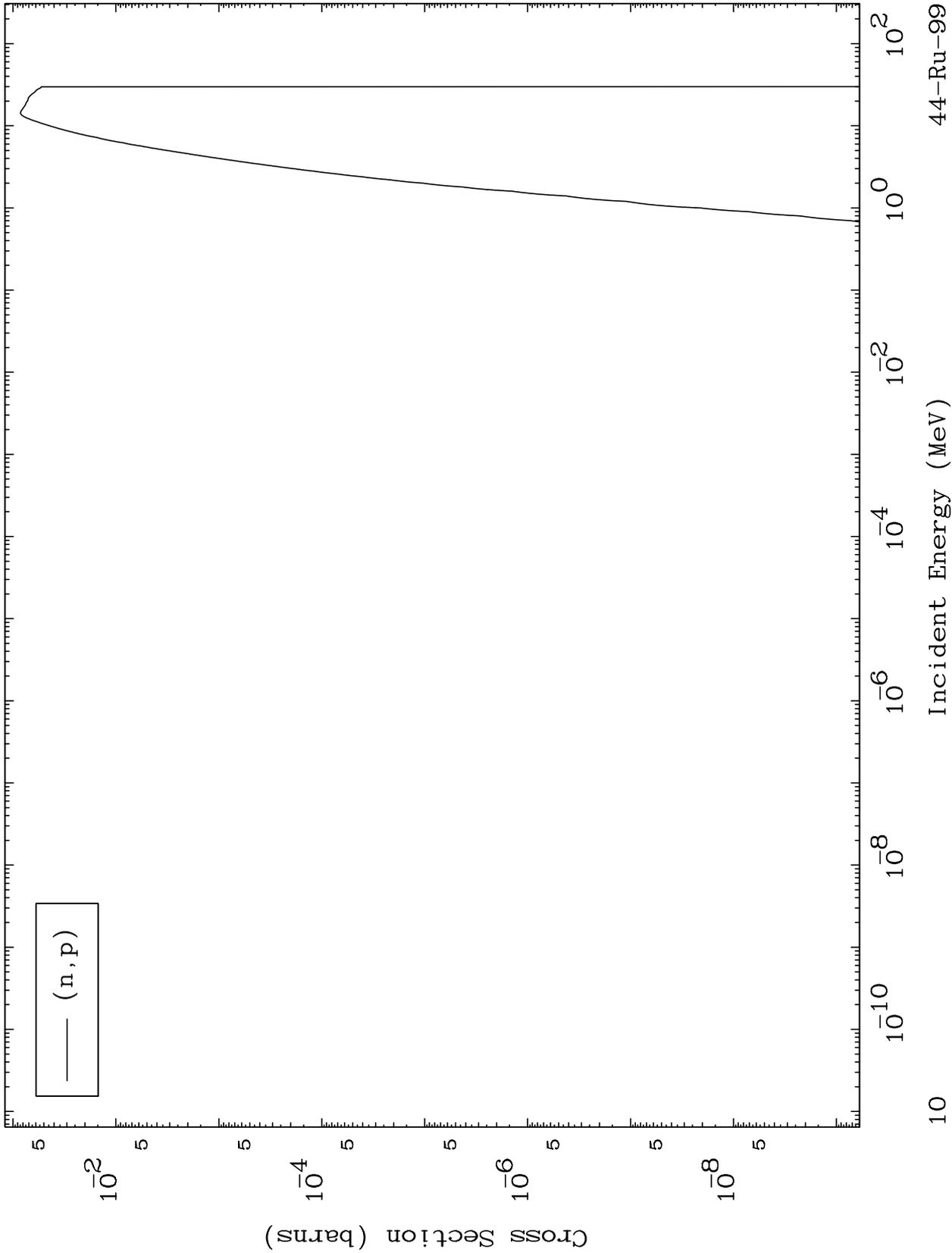


—	MT= 72	(n, n')	Level
- - -	MT= 73	(n, n')	Level
- · - ·	MT= 74	(n, n')	Level
- - -	MT= 75	(n, n')	Level
- · - ·	MT= 76	(n, n')	Level
—	MT= 77	(n, n')	Level
- - -	MT= 78	(n, n')	Level
- · - ·	MT= 79	(n, n')	Level
- - -	MT= 80	(n, n')	Level
- - -	(n, n')	Continuum	

MAT 4434

(n,p) Levels
293 Kelvin Cross Sections

44-Ru-99



10

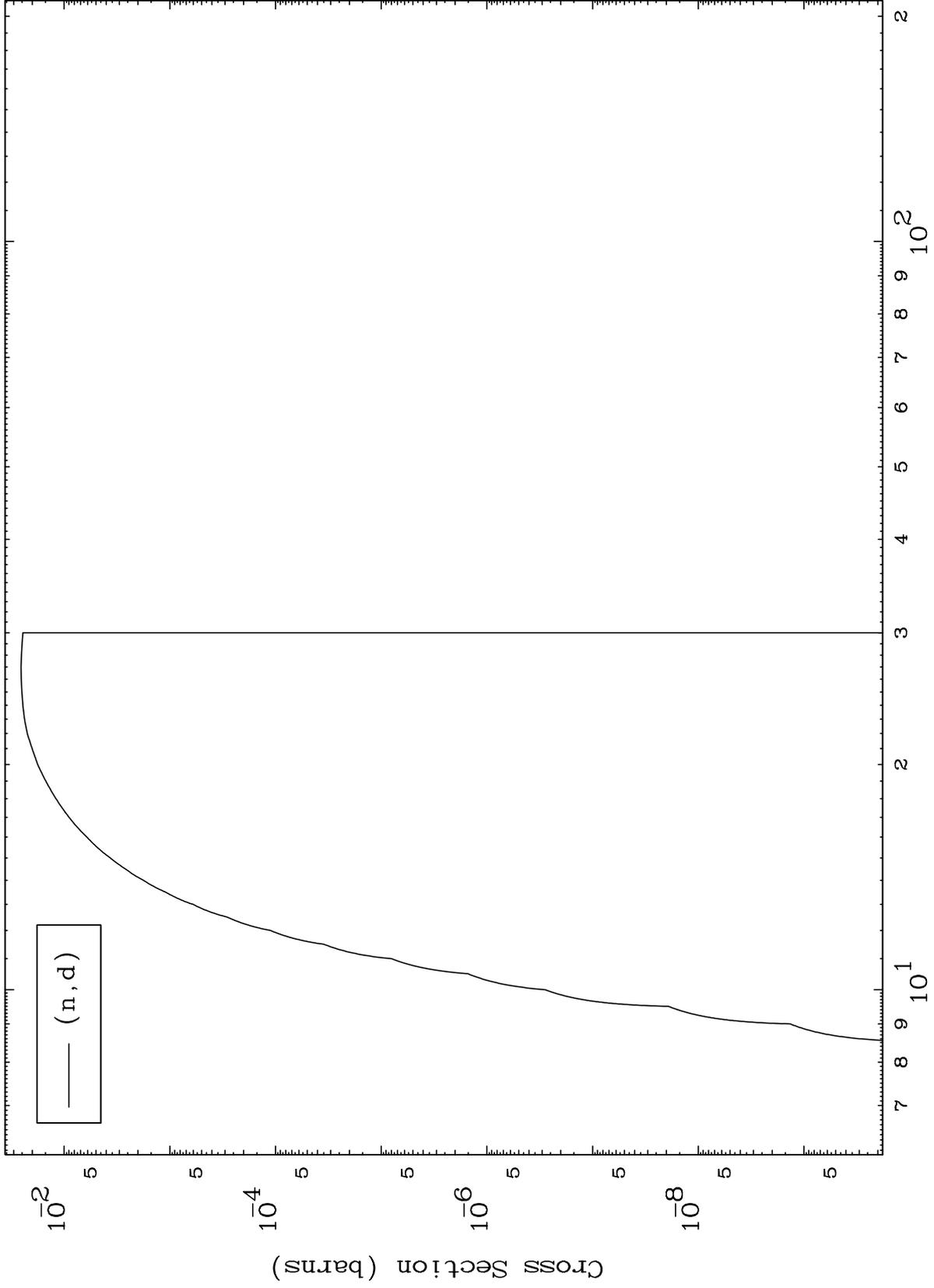
Incident Energy (MeV)

44-Ru-99

MAT 4434

(n,d) Levels
293 Kelvin Cross Sections

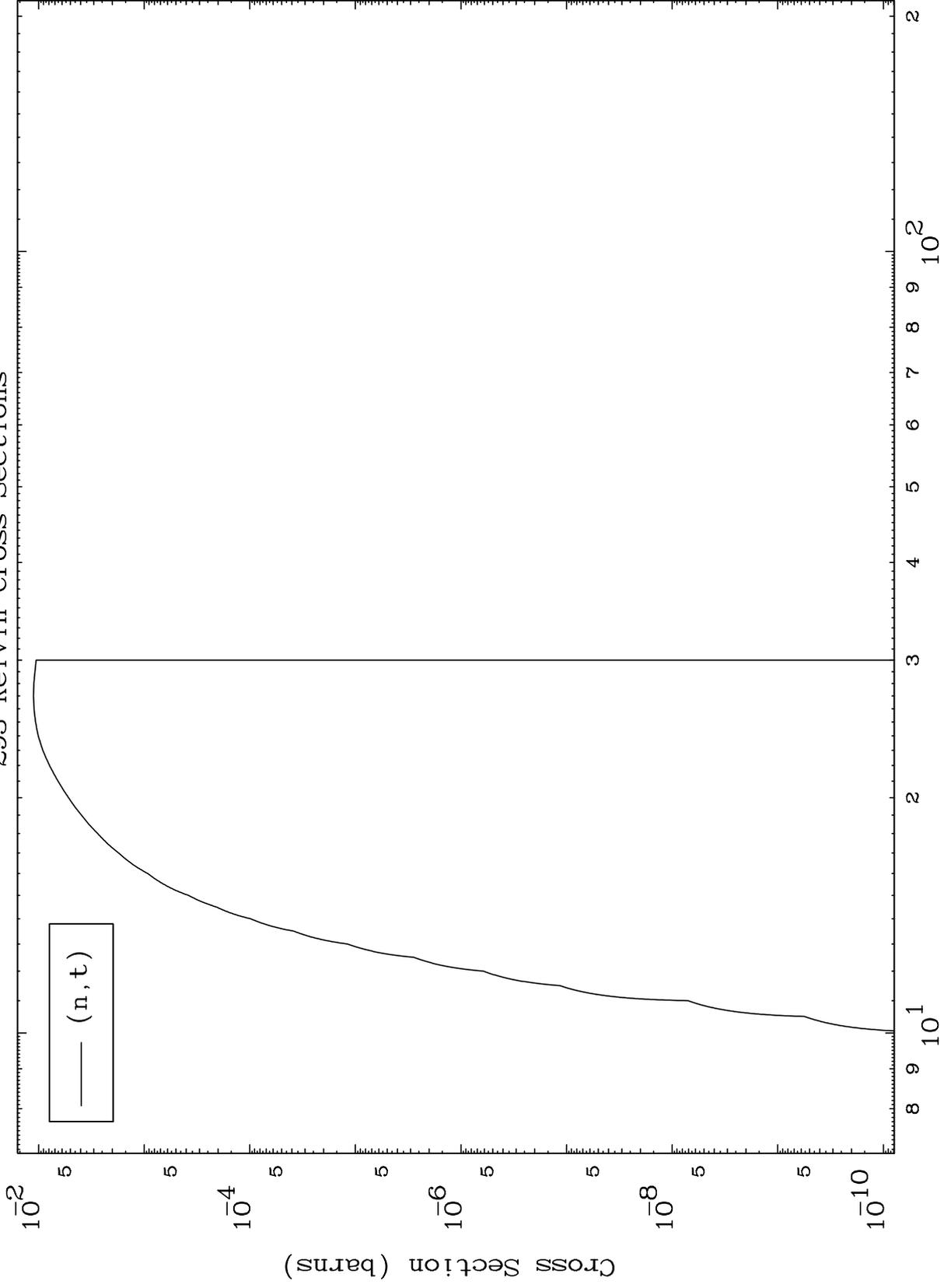
44-Ru-99



MAT 4434

(n,t) Levels
293 Kelvin Cross Sections

44-Ru-99



12

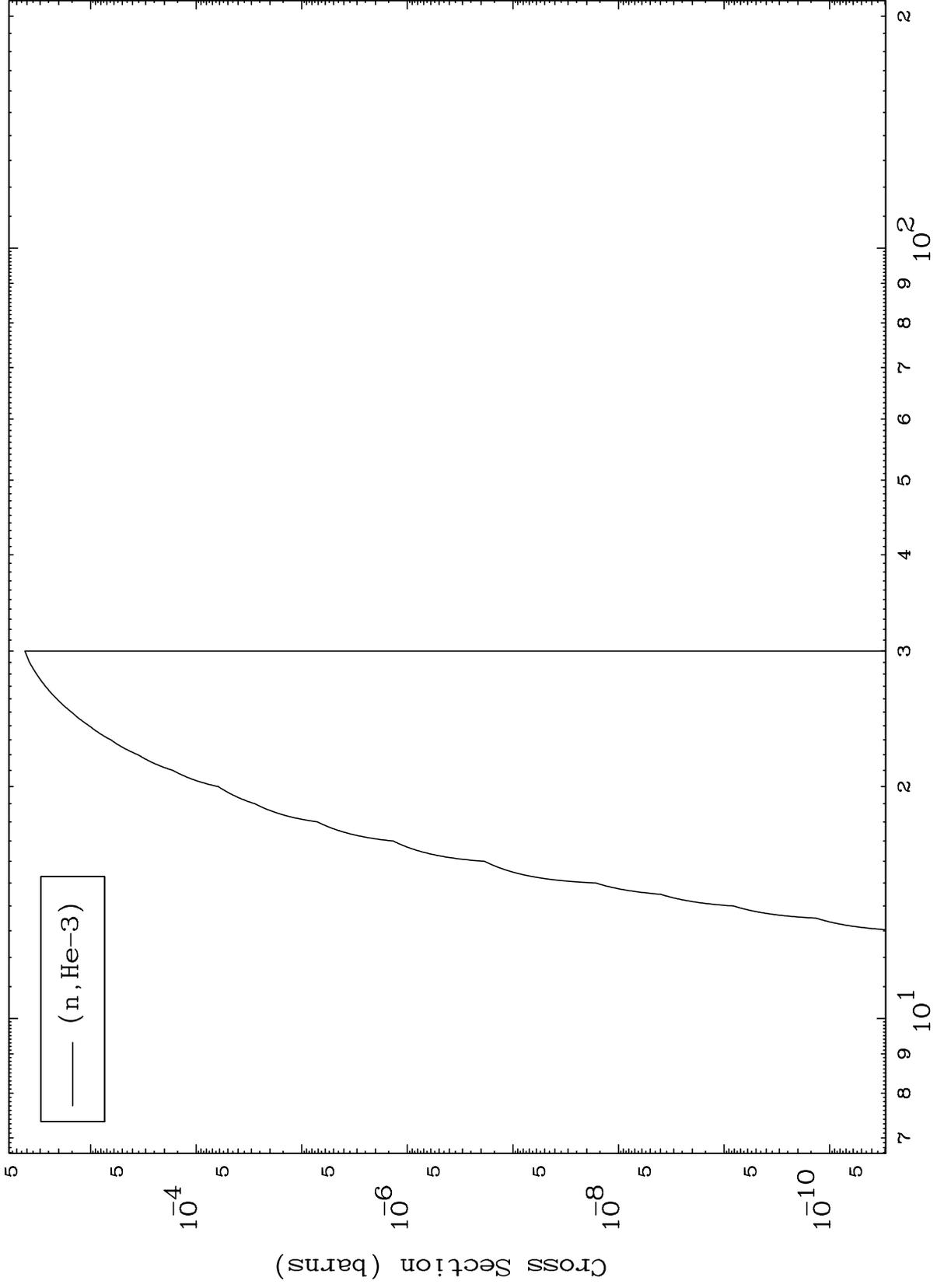
Incident Energy (MeV)

44-Ru-99

MAT 4434

(n,He3) Levels
293 Kelvin Cross Sections

44-Ru-99



13

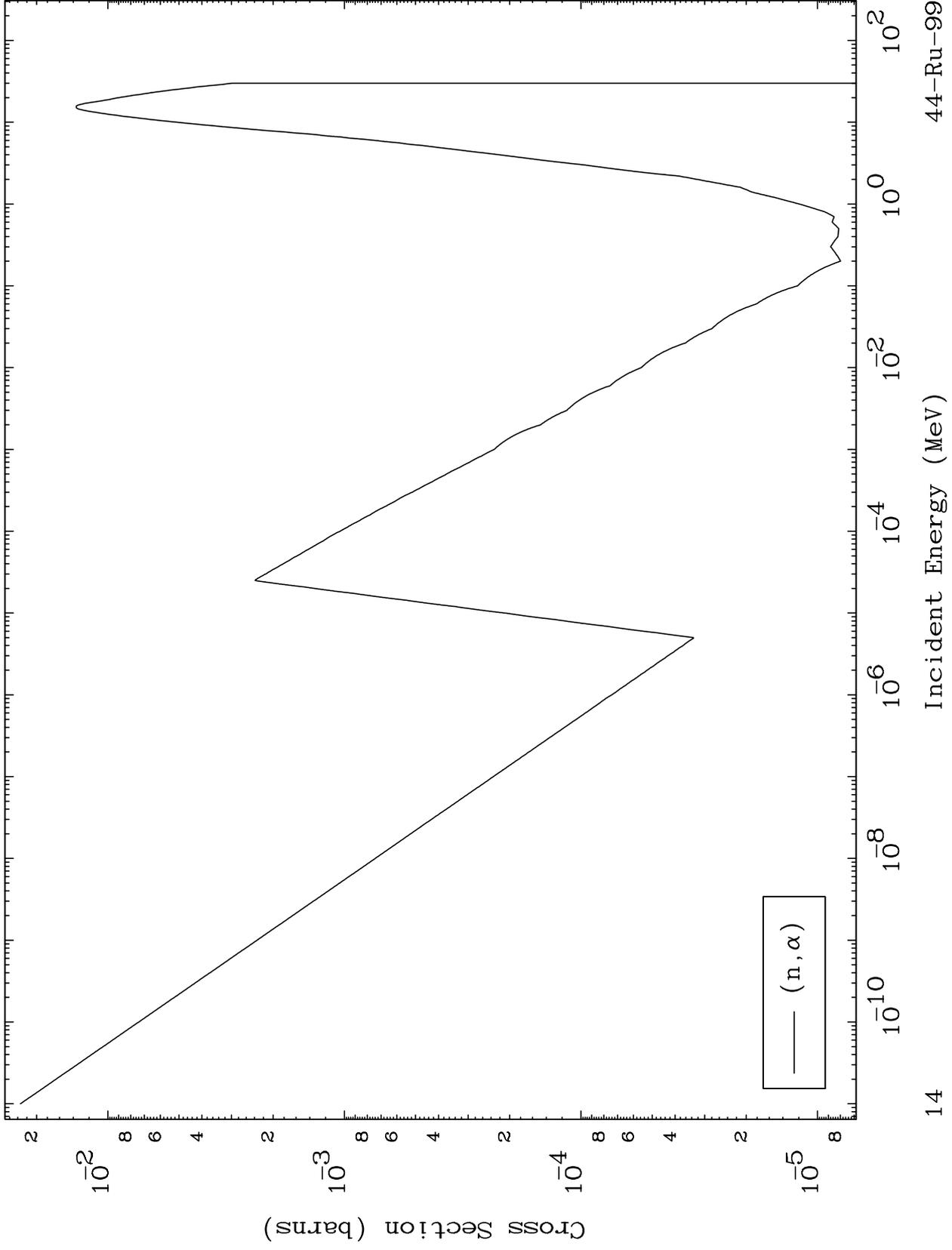
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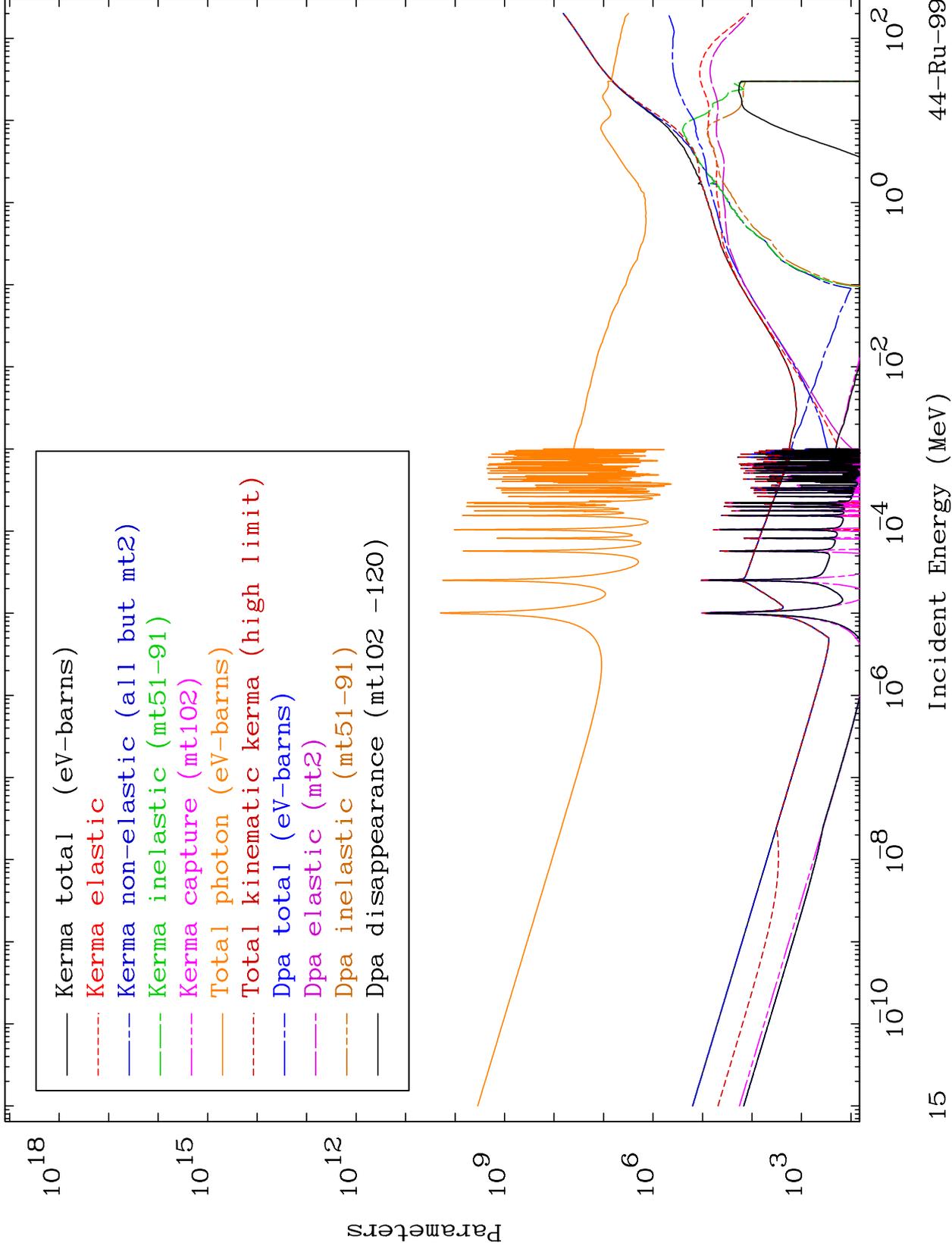
44-Ru-99

MAT 4434

(n, α) Levels
293 Kelvin Cross Sections

44-Ru-99

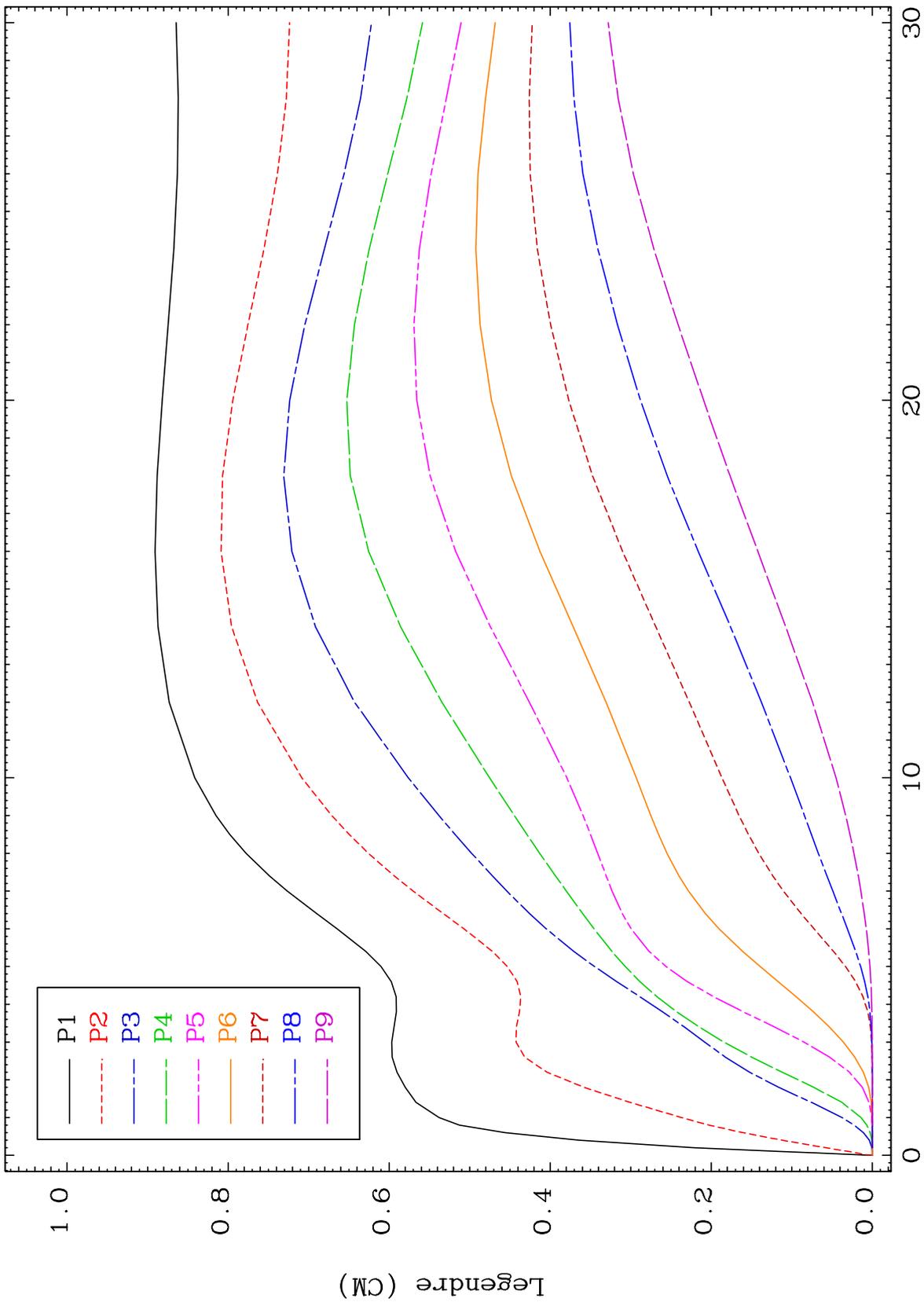




MAT 4434

Elastic Legendre Coefficients

44-Ru-99



16

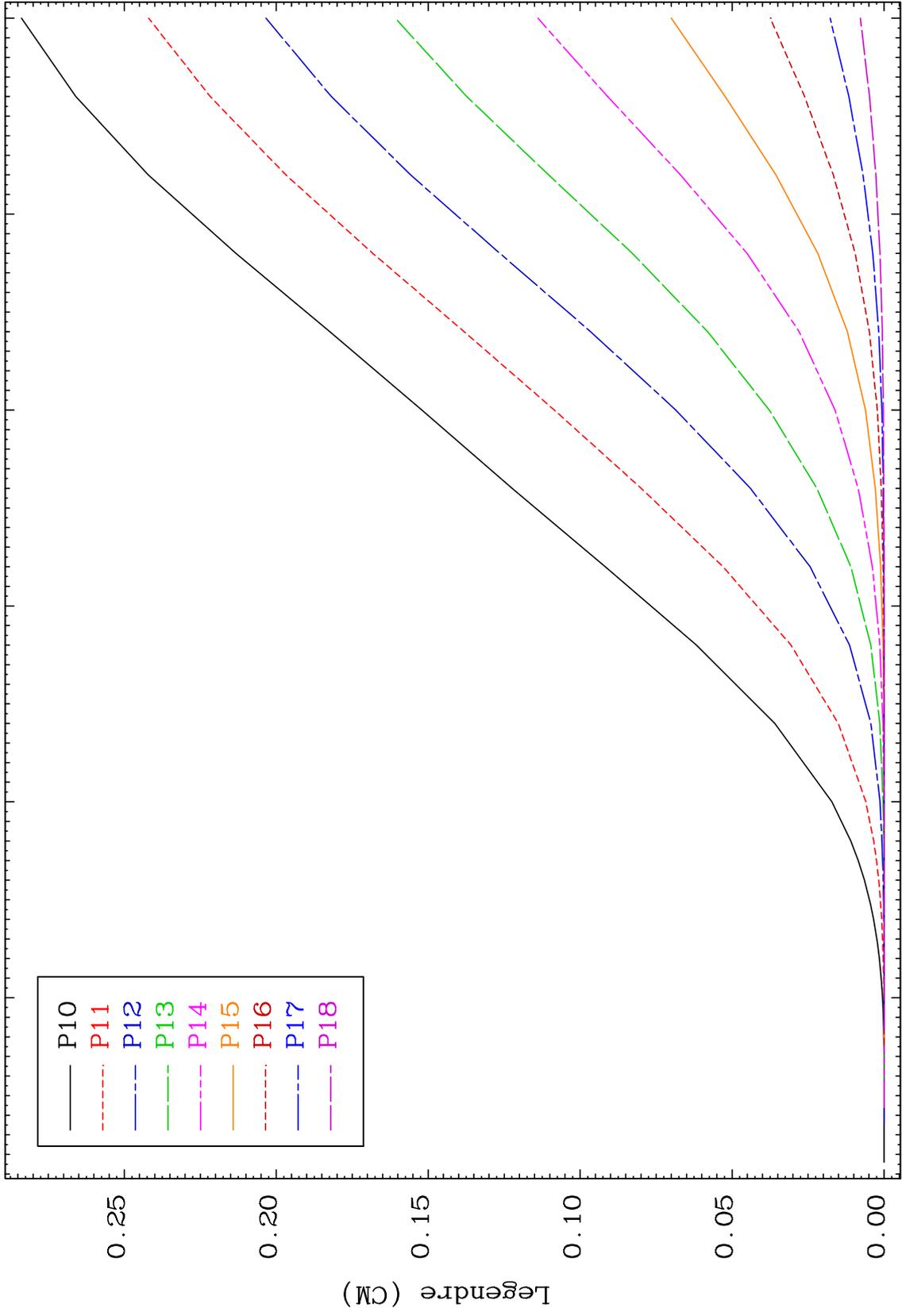
Incident Energy (MeV)

44-Ru-99

MAT 4434

Elastic Legendre Coefficients

44-Ru-99



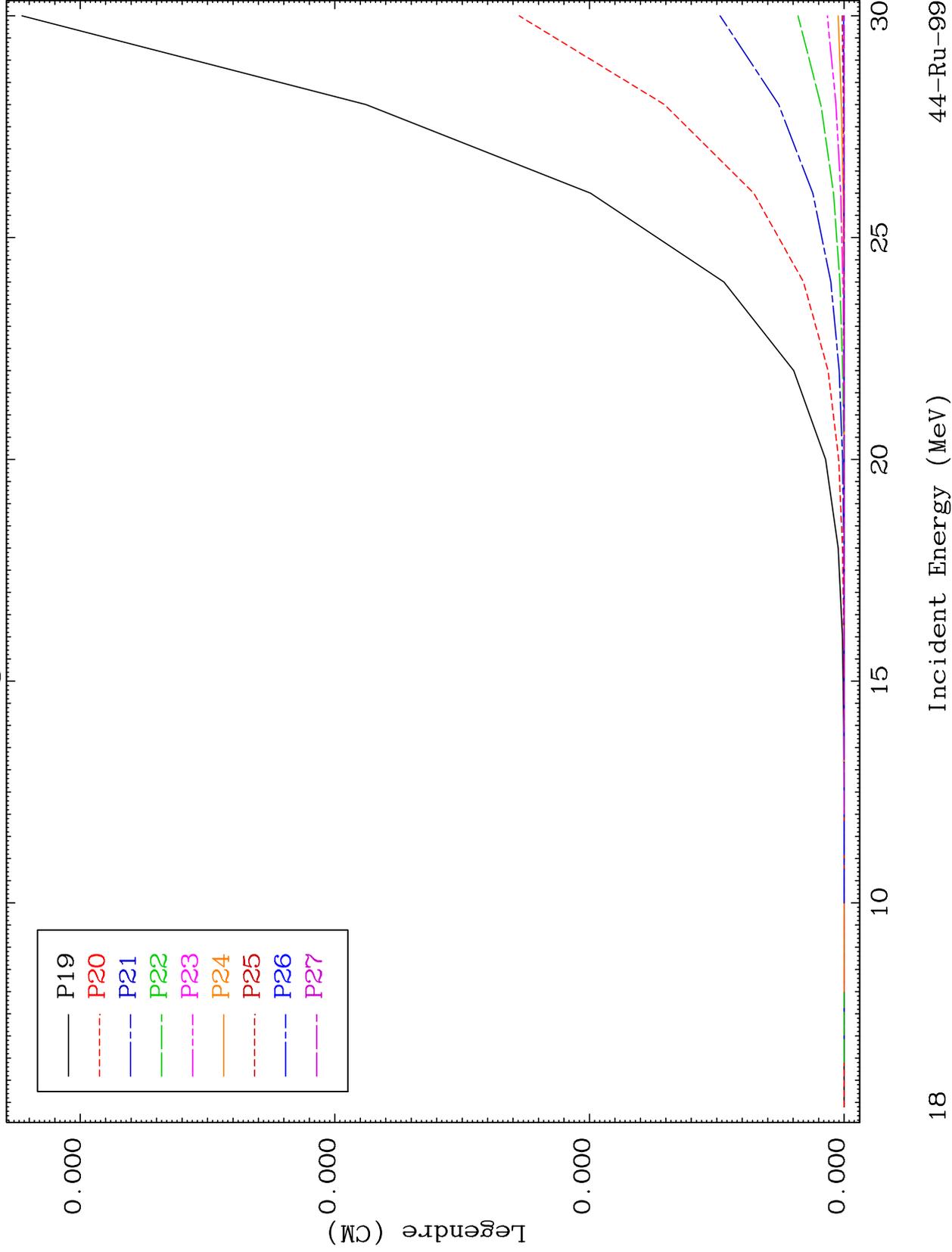
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44-Ru-99

MAT 4434

Elastic Legendre Coefficients

44-Ru-99



18

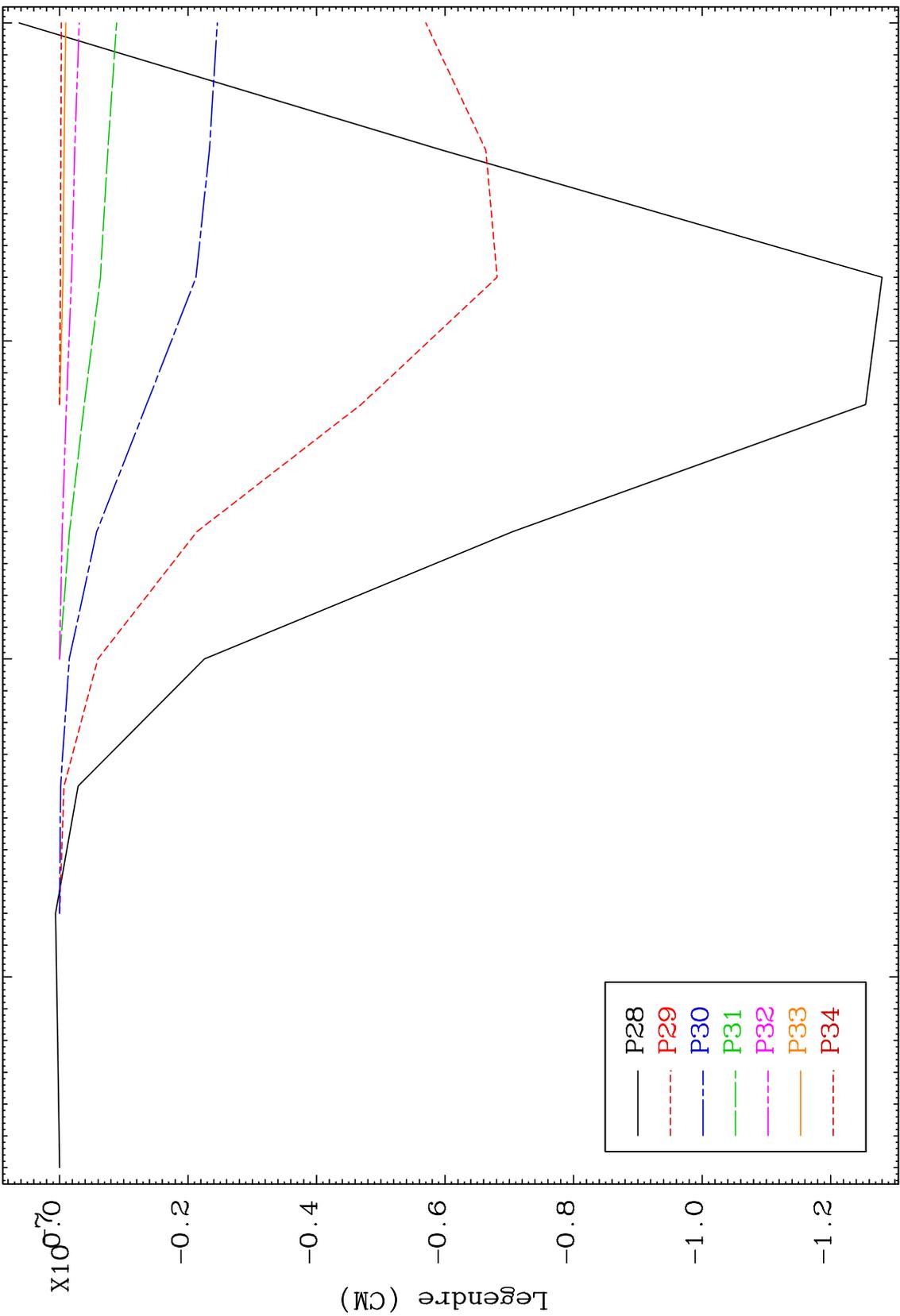
Incident Energy (MeV)

44-Ru-99

MAT 4434

44-Ru-99

Elastic Legendre Coefficients



15

20

25

30

19

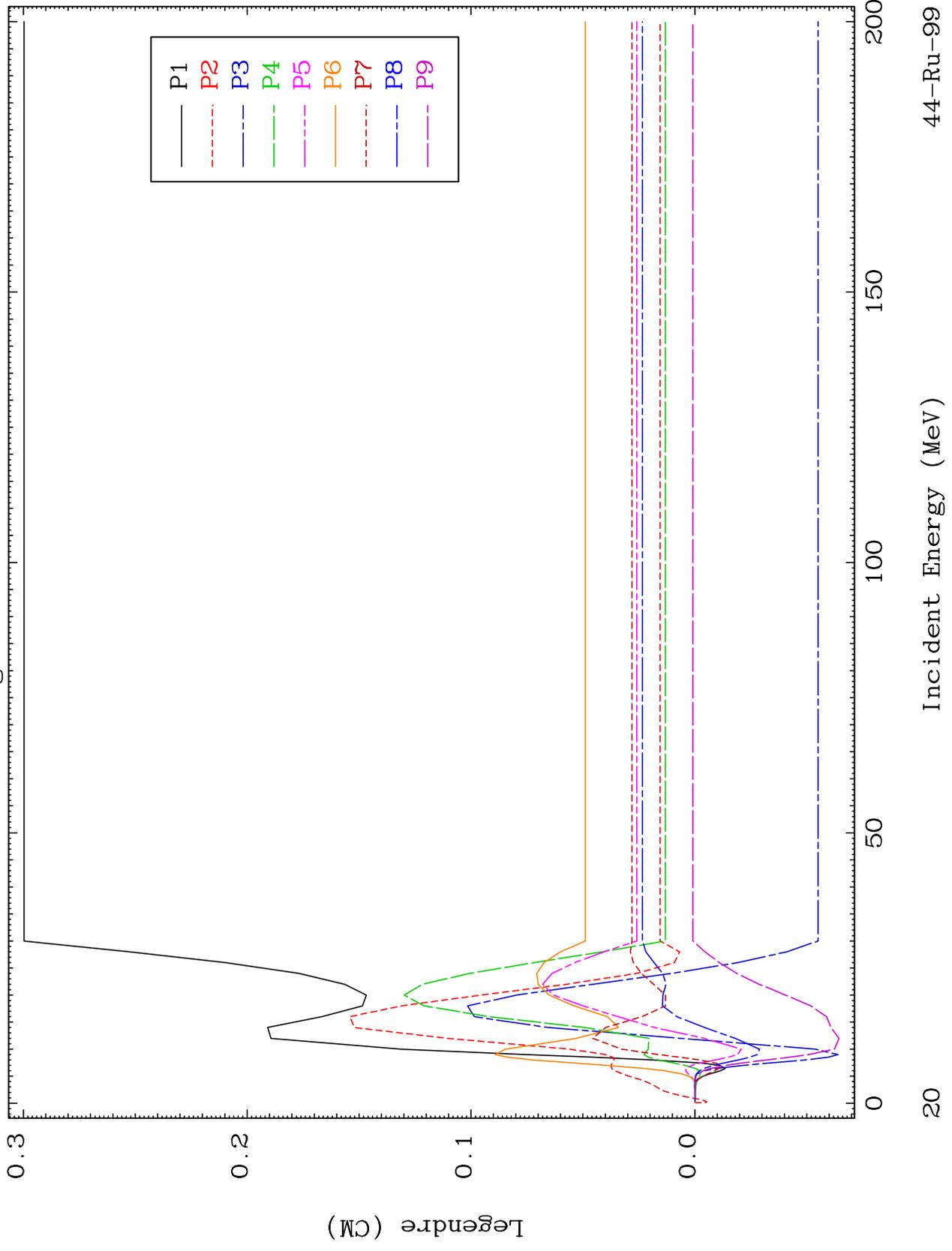
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

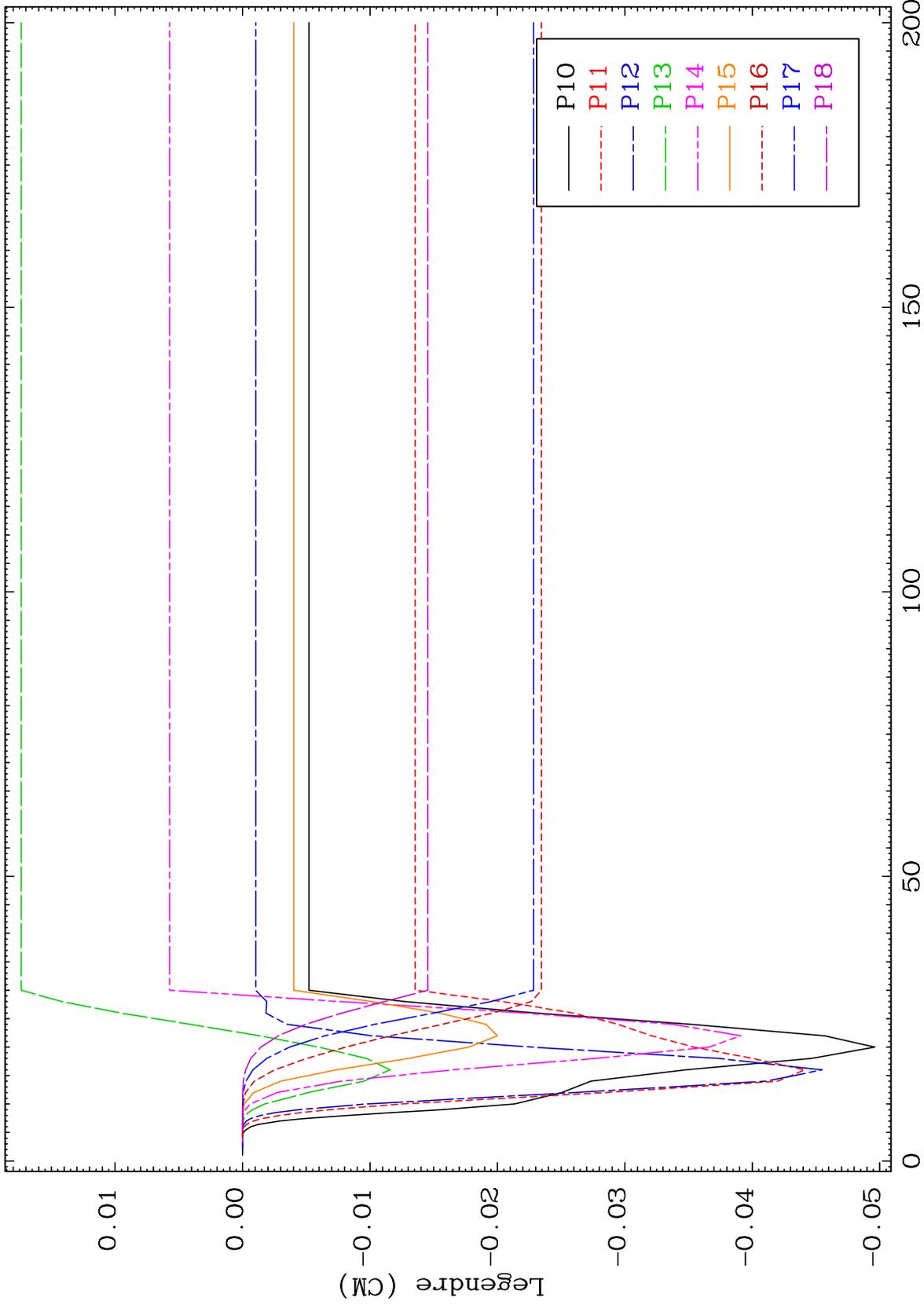
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MAT 4434

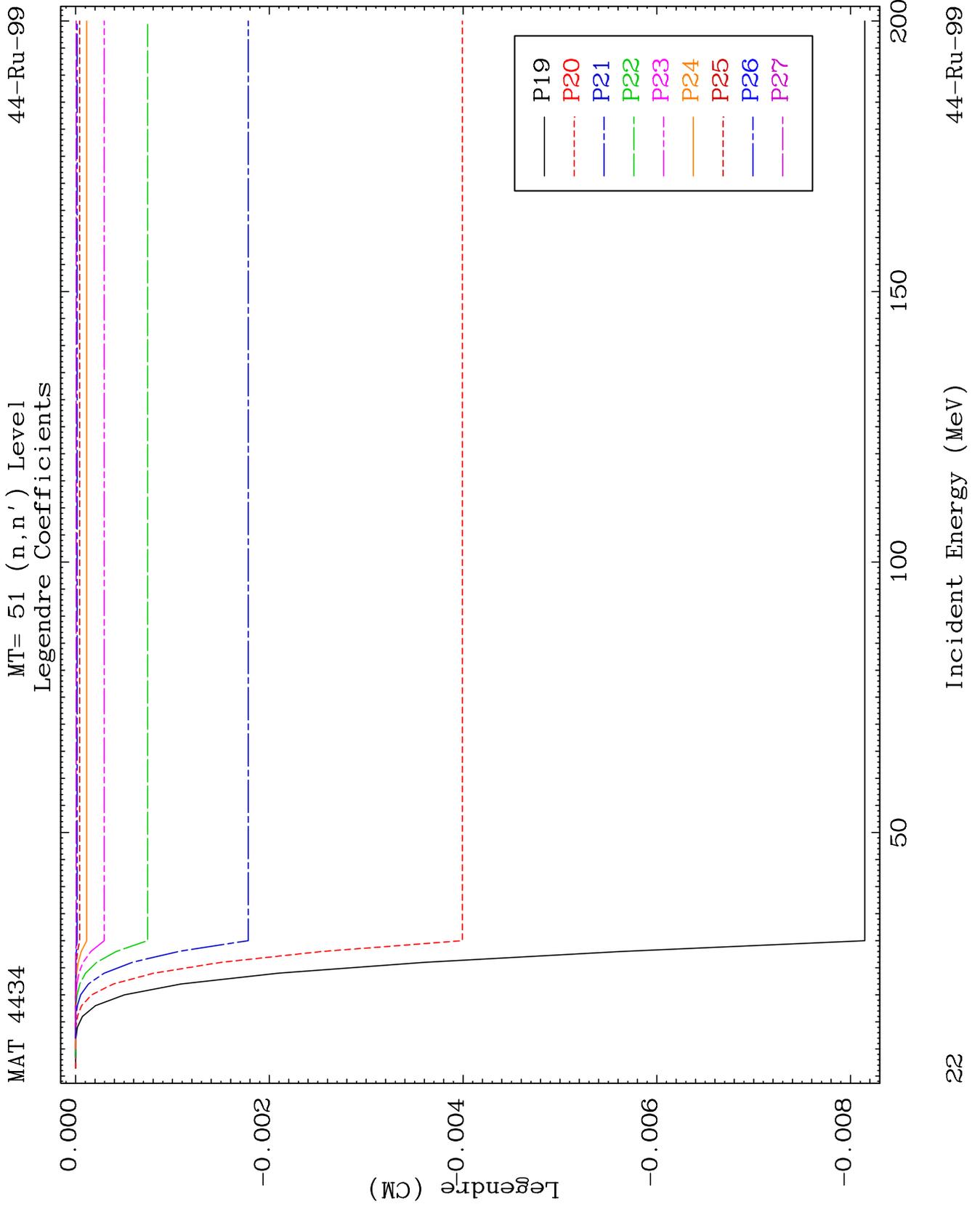
MT= 51 (n,n') Level
Legendre Coefficients

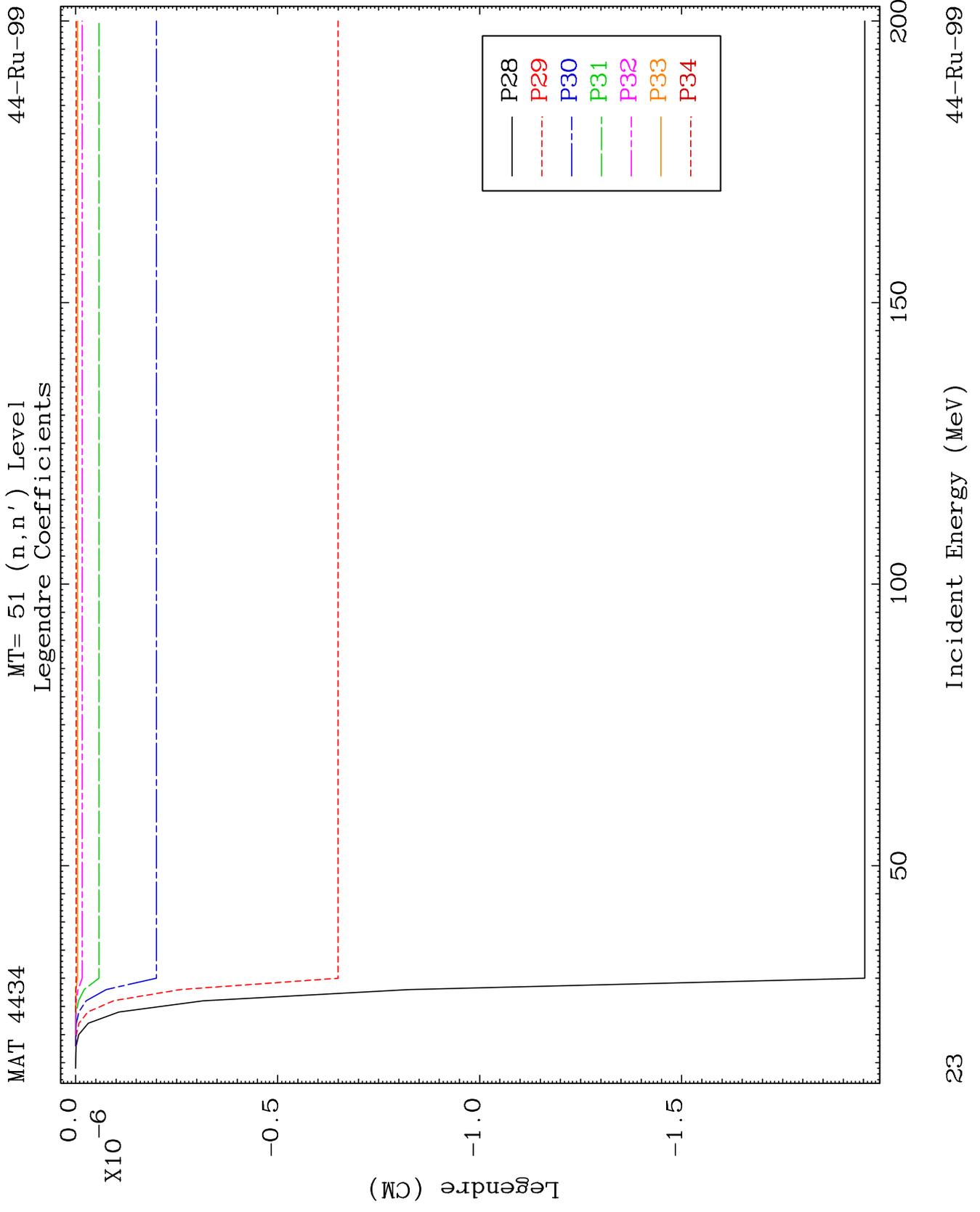
44-Ru-99



21

44-Ru-99

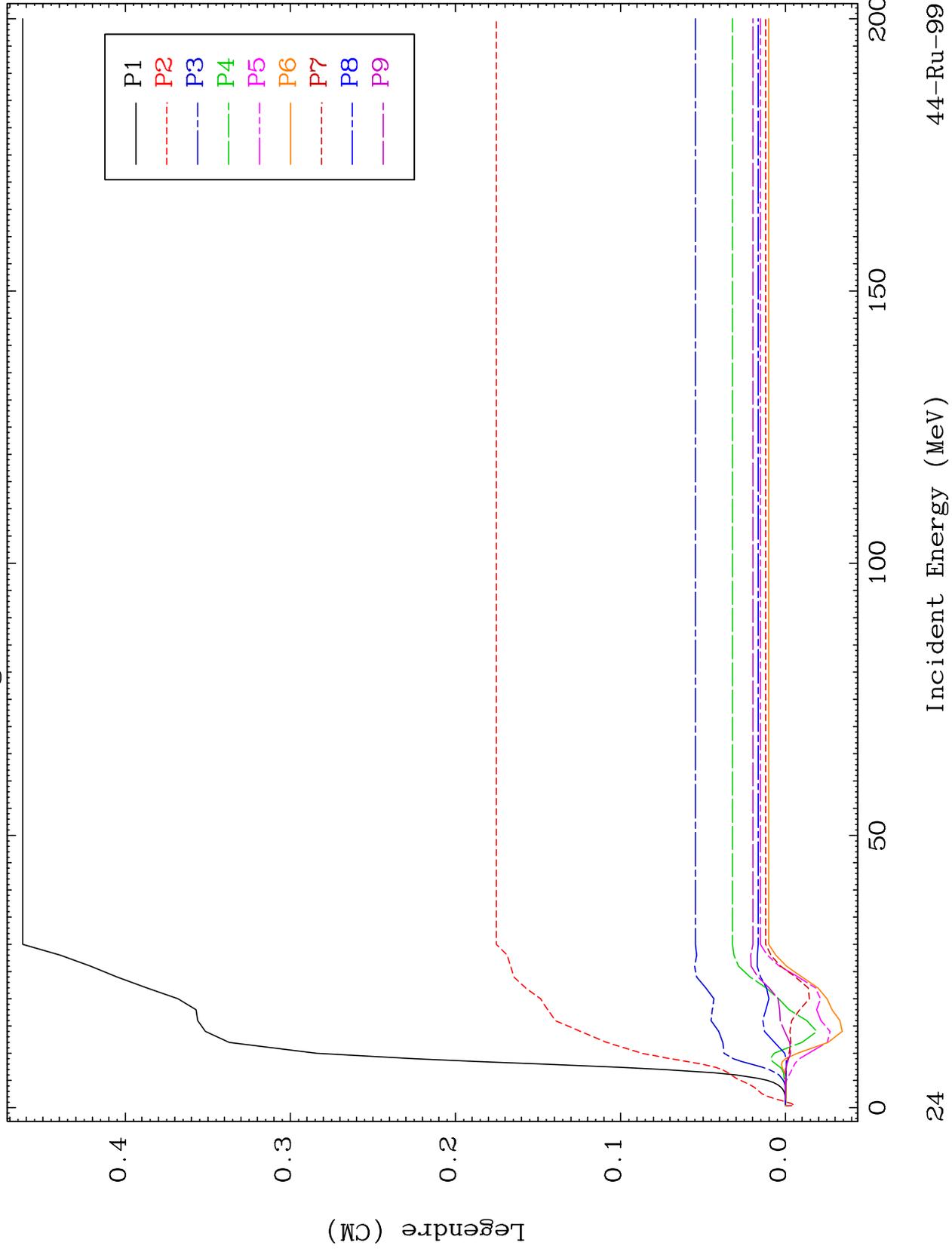


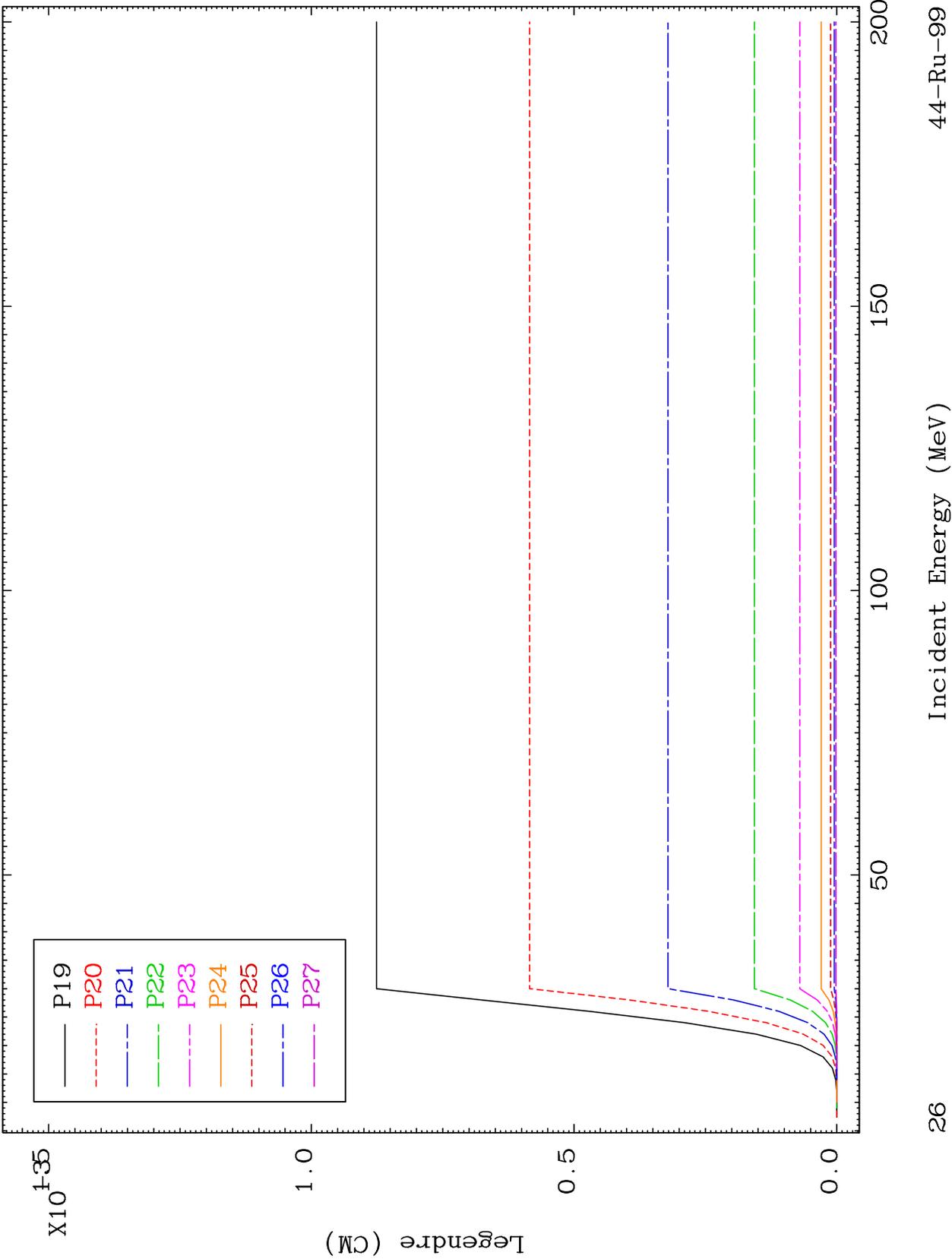


MAT 4434

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

44-Ru-99

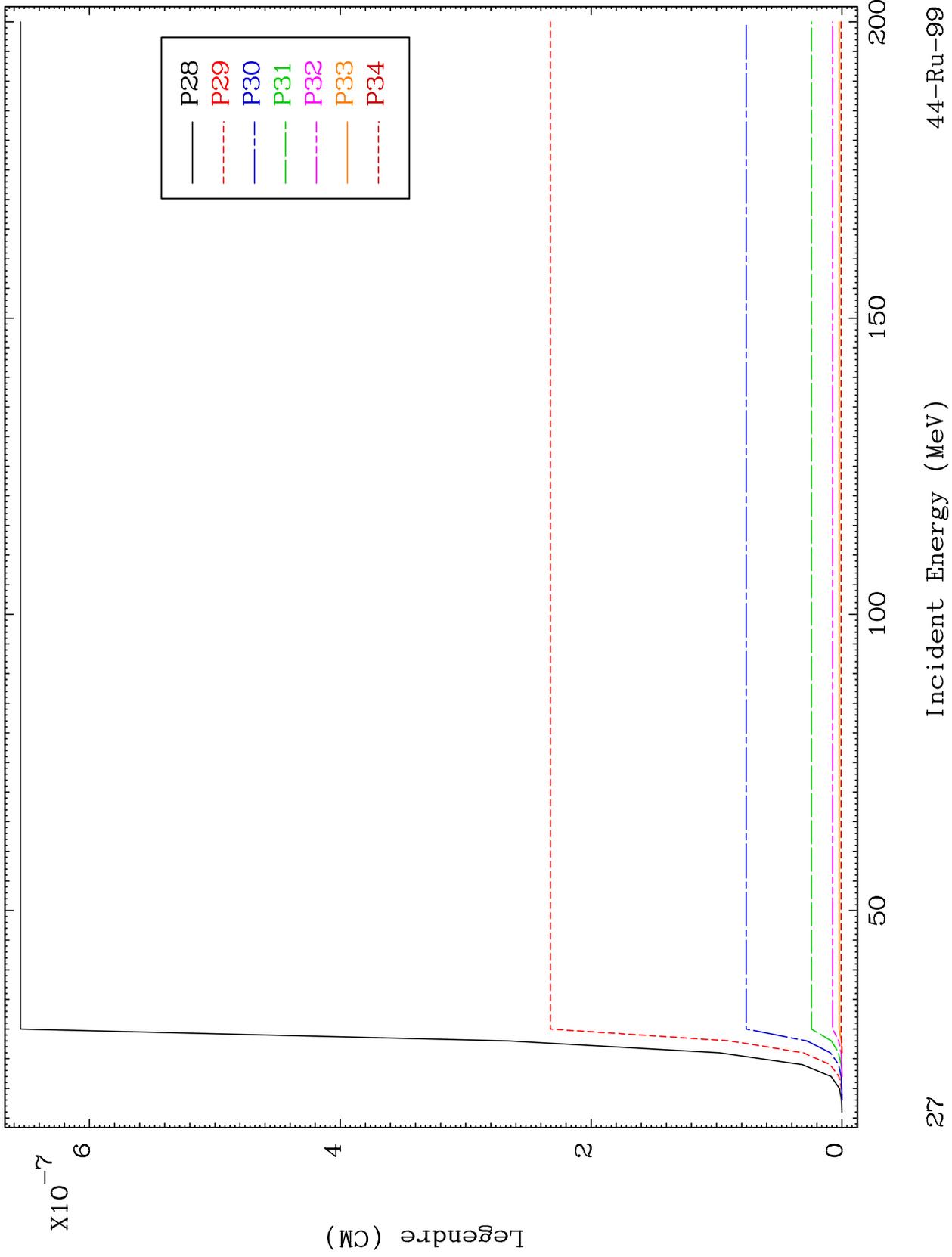




MAT 4434

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

44-Ru-99

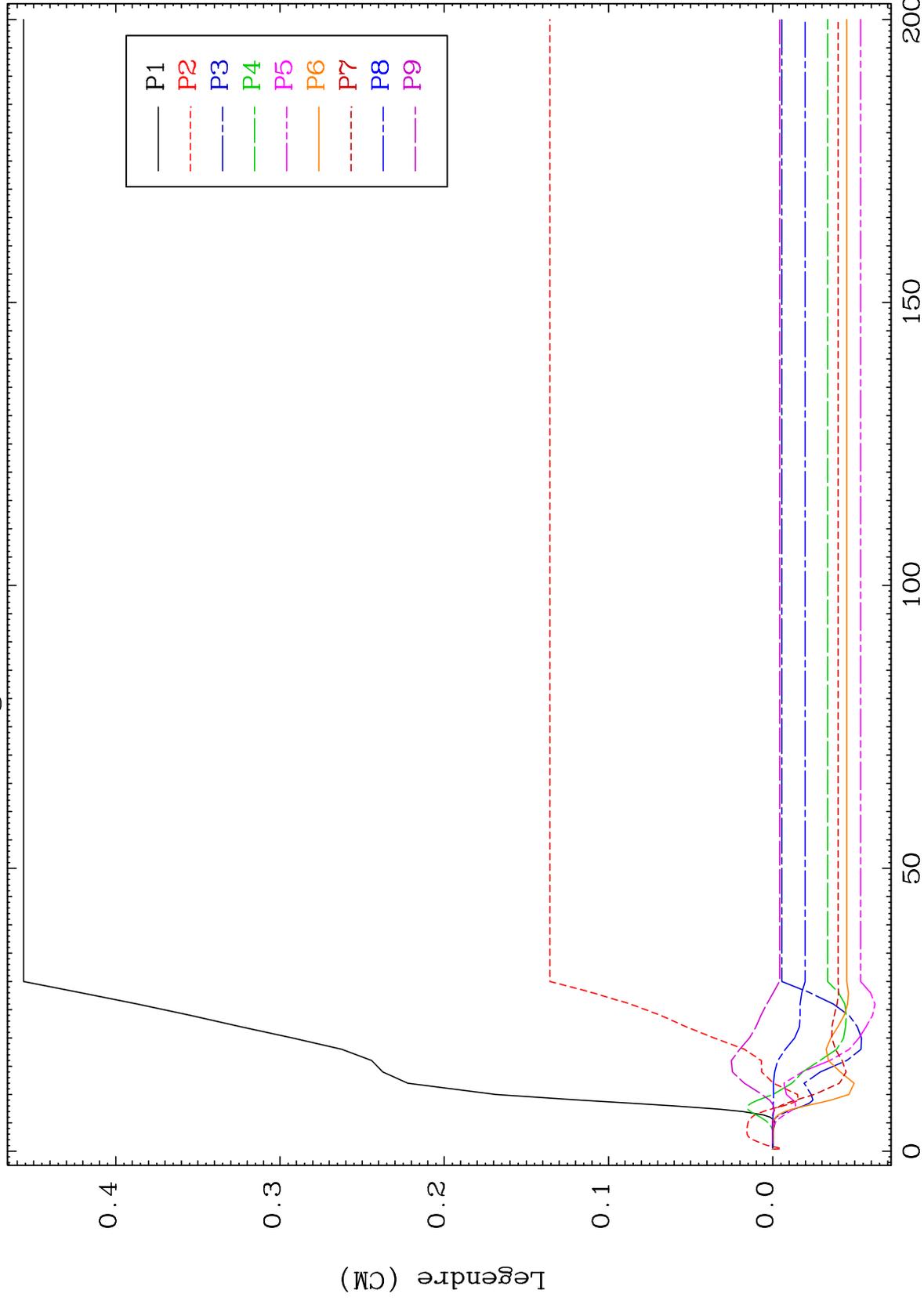


27

MAT 4434

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

44-Ru-99



28

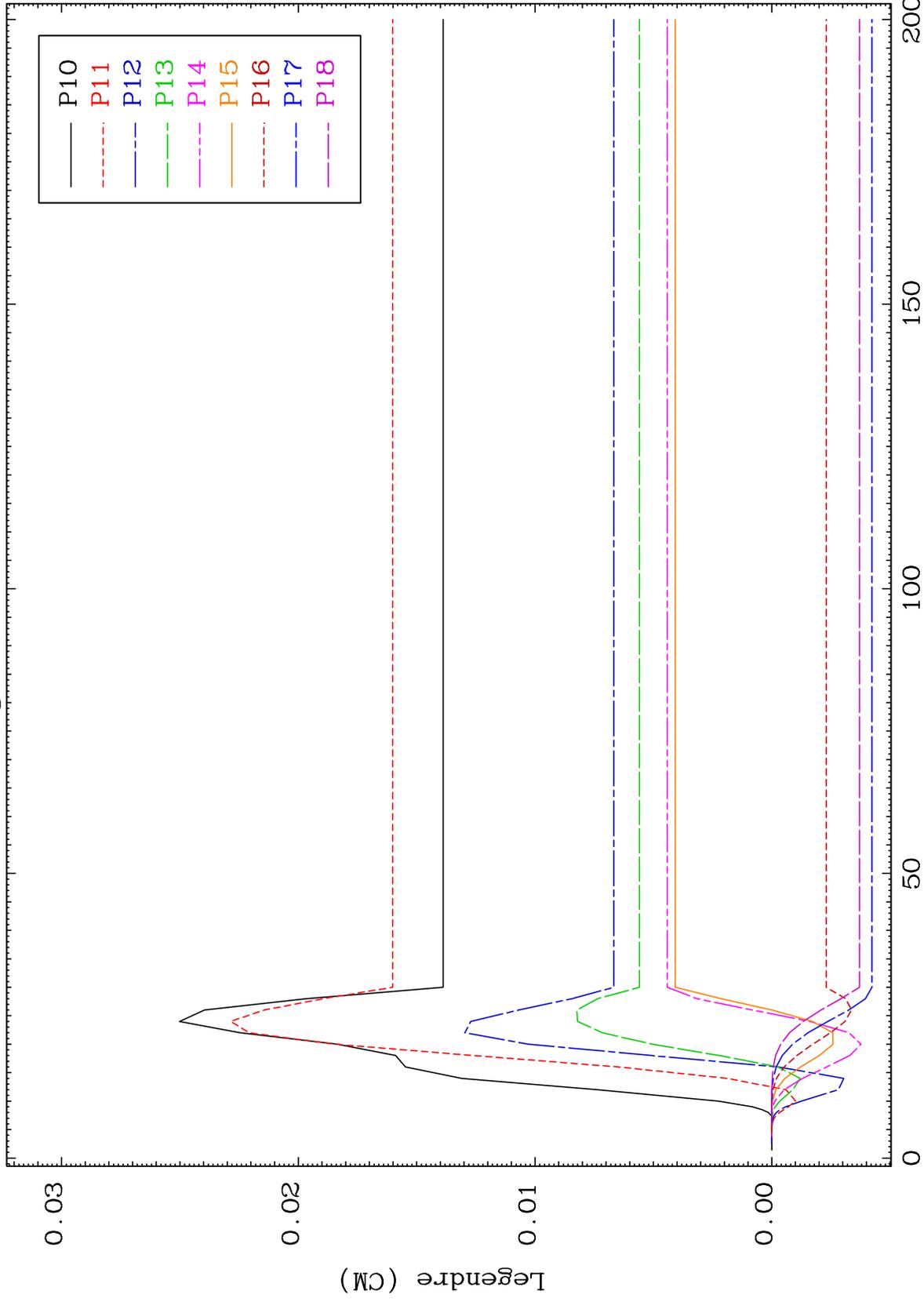
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



29

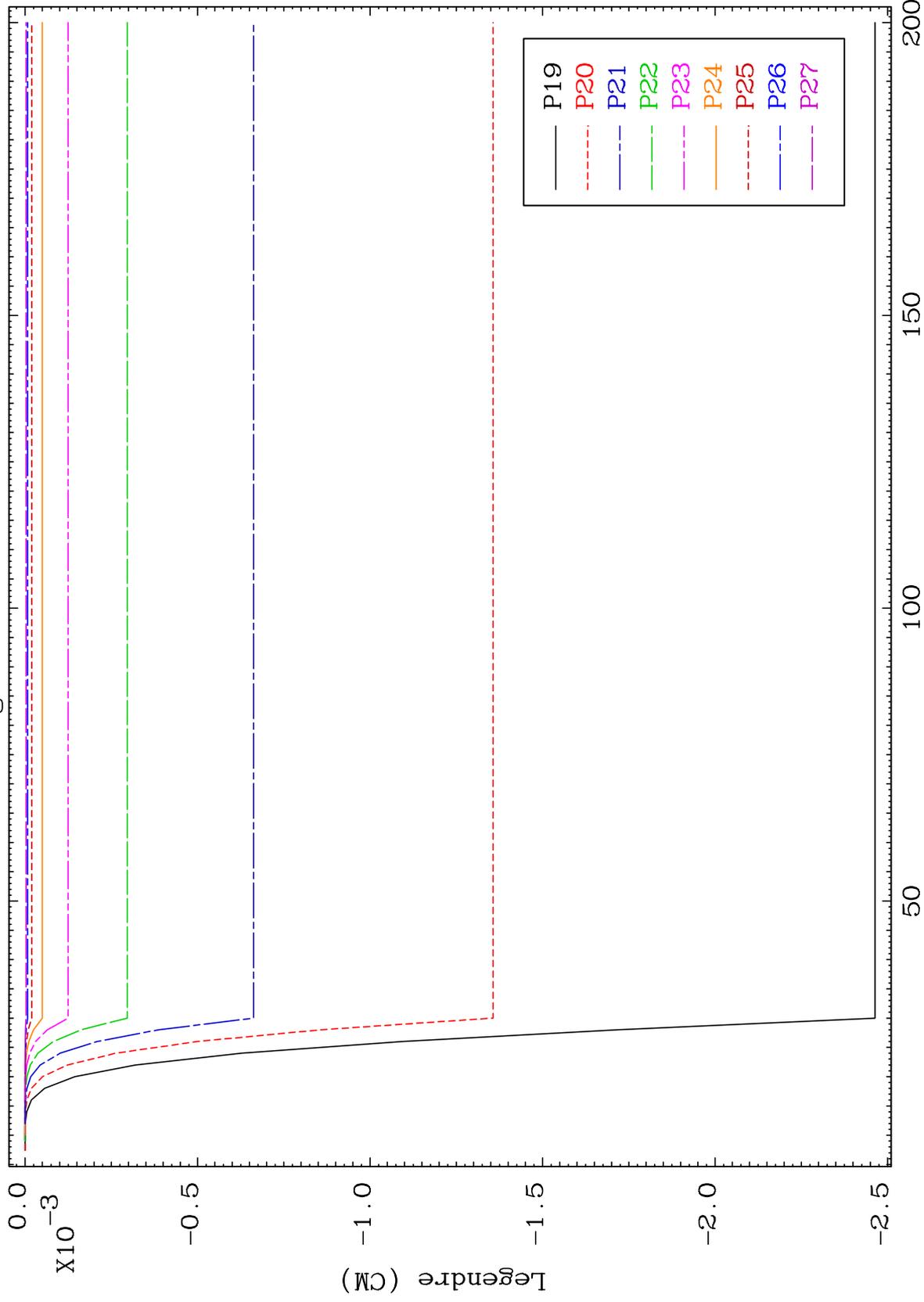
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



30

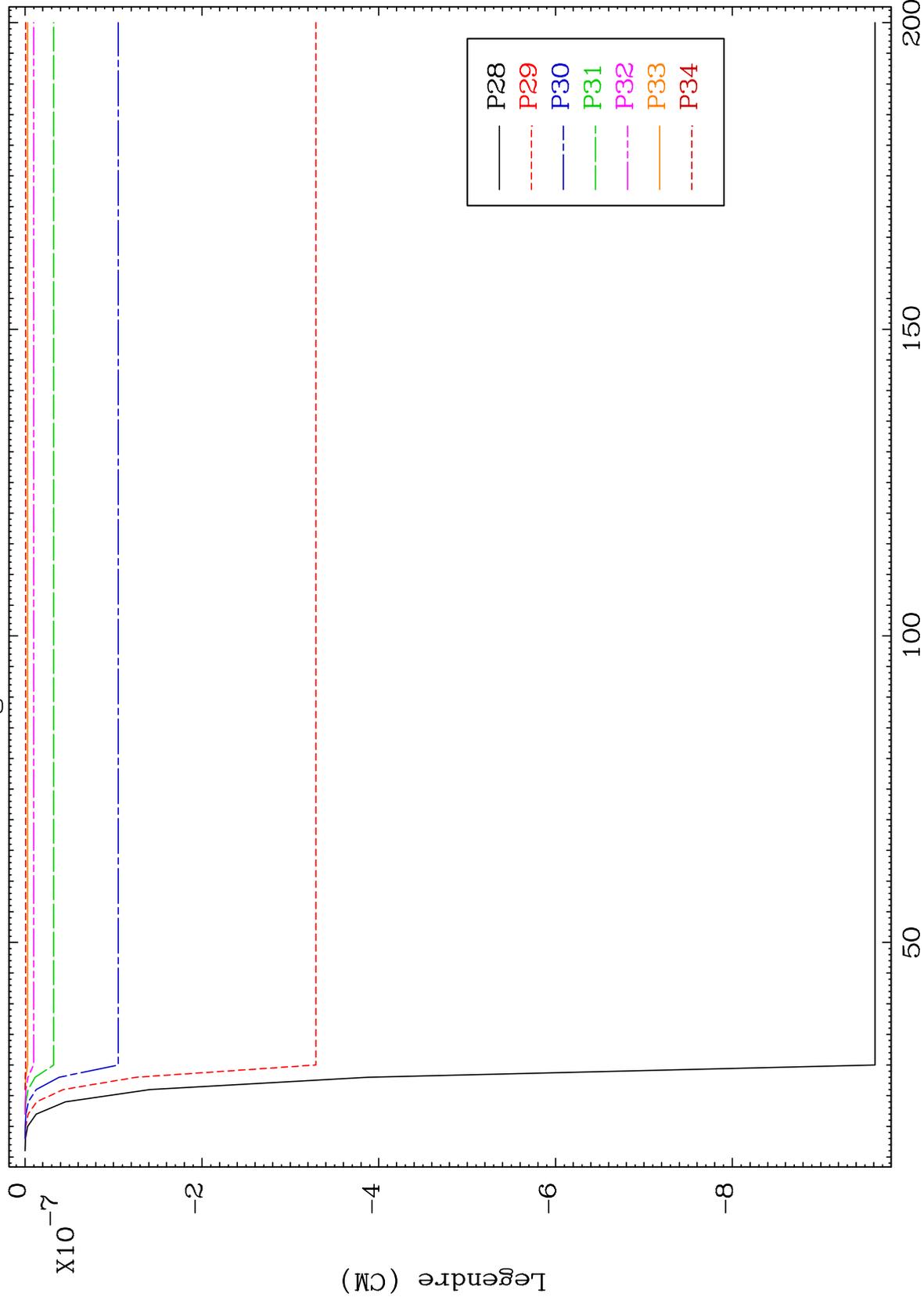
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

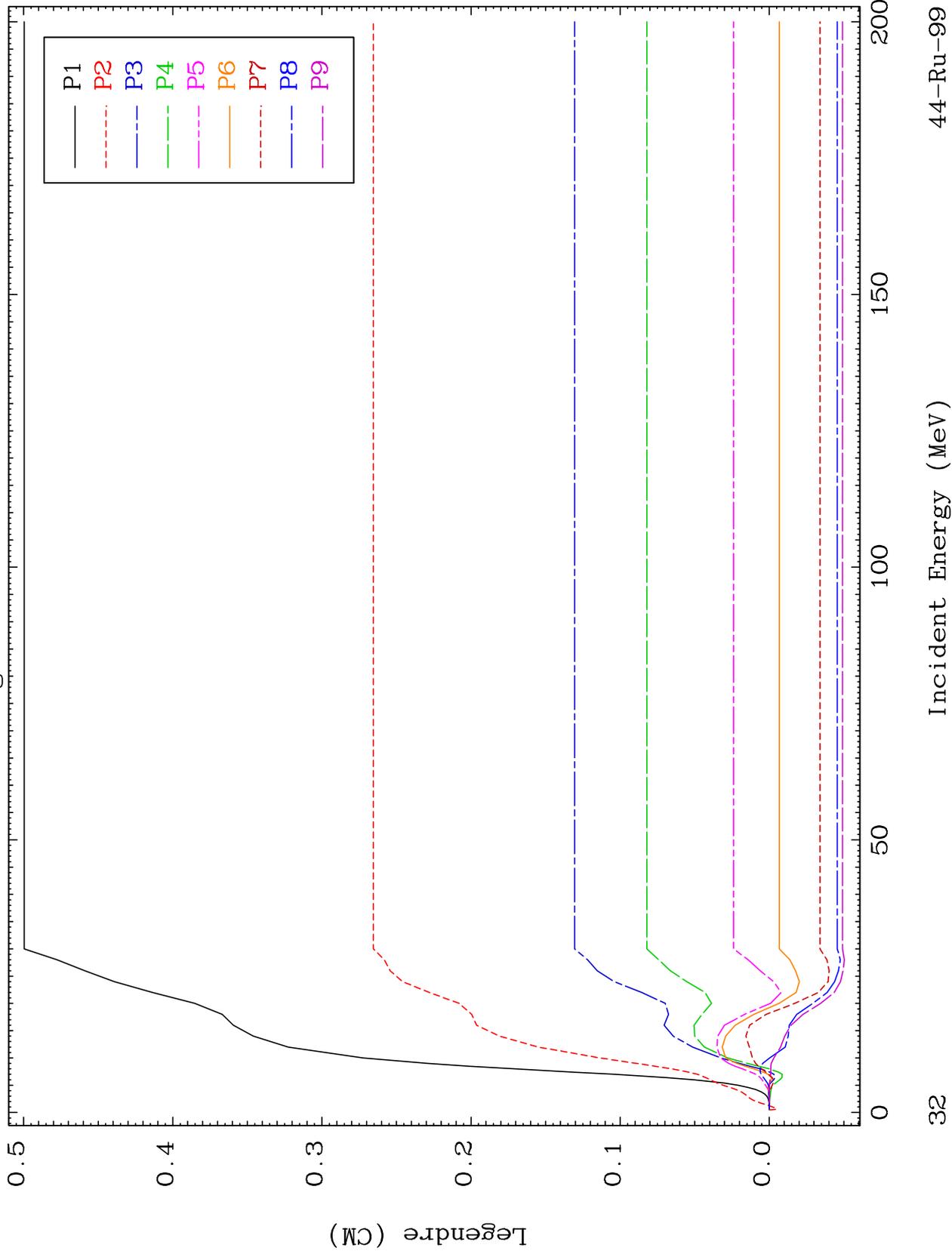
44-Ru-99



MAT 4434

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

44-Ru-99



44-Ru-99

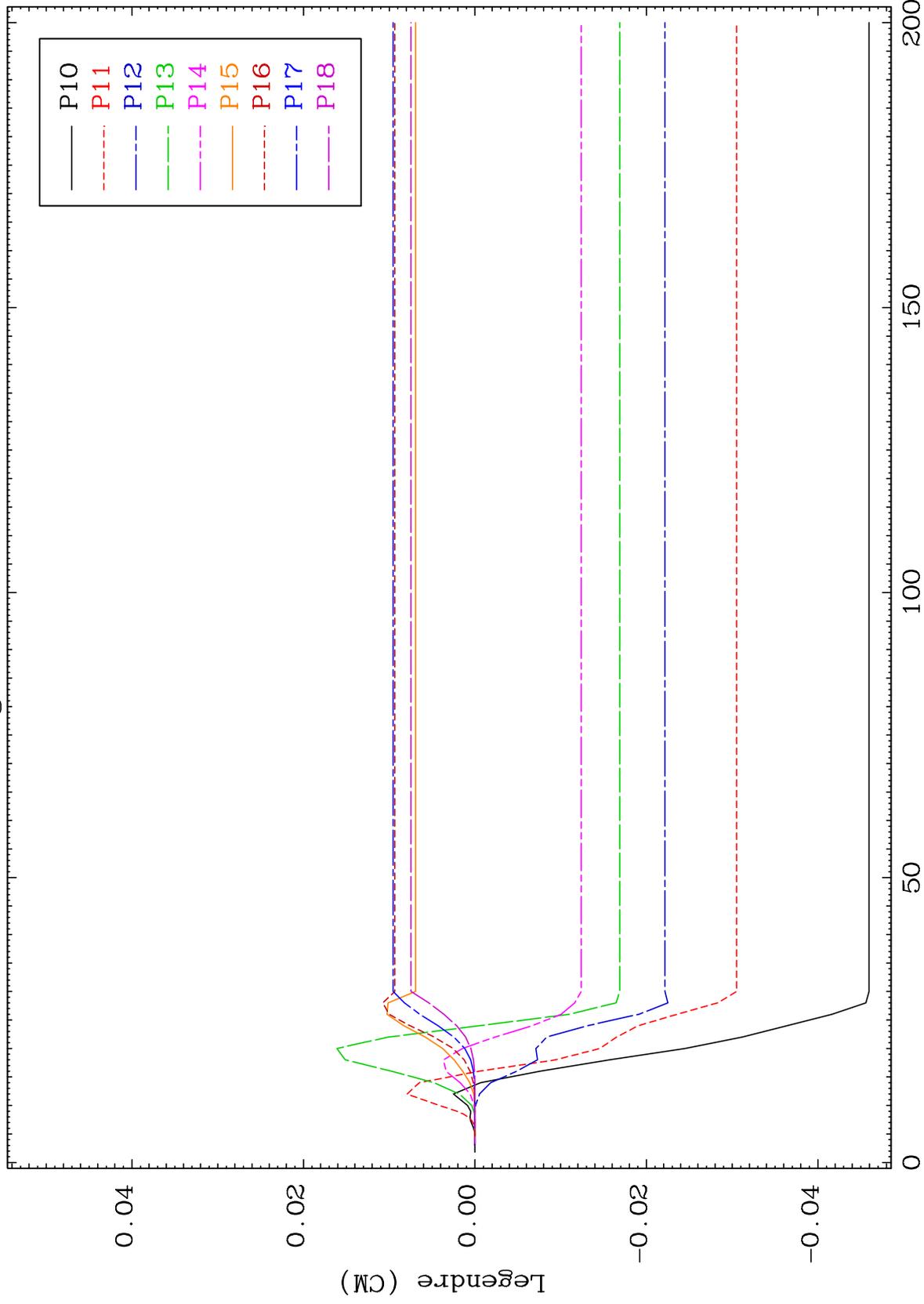
Incident Energy (MeV)

32

MAT 4434

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

44-Ru-99



33

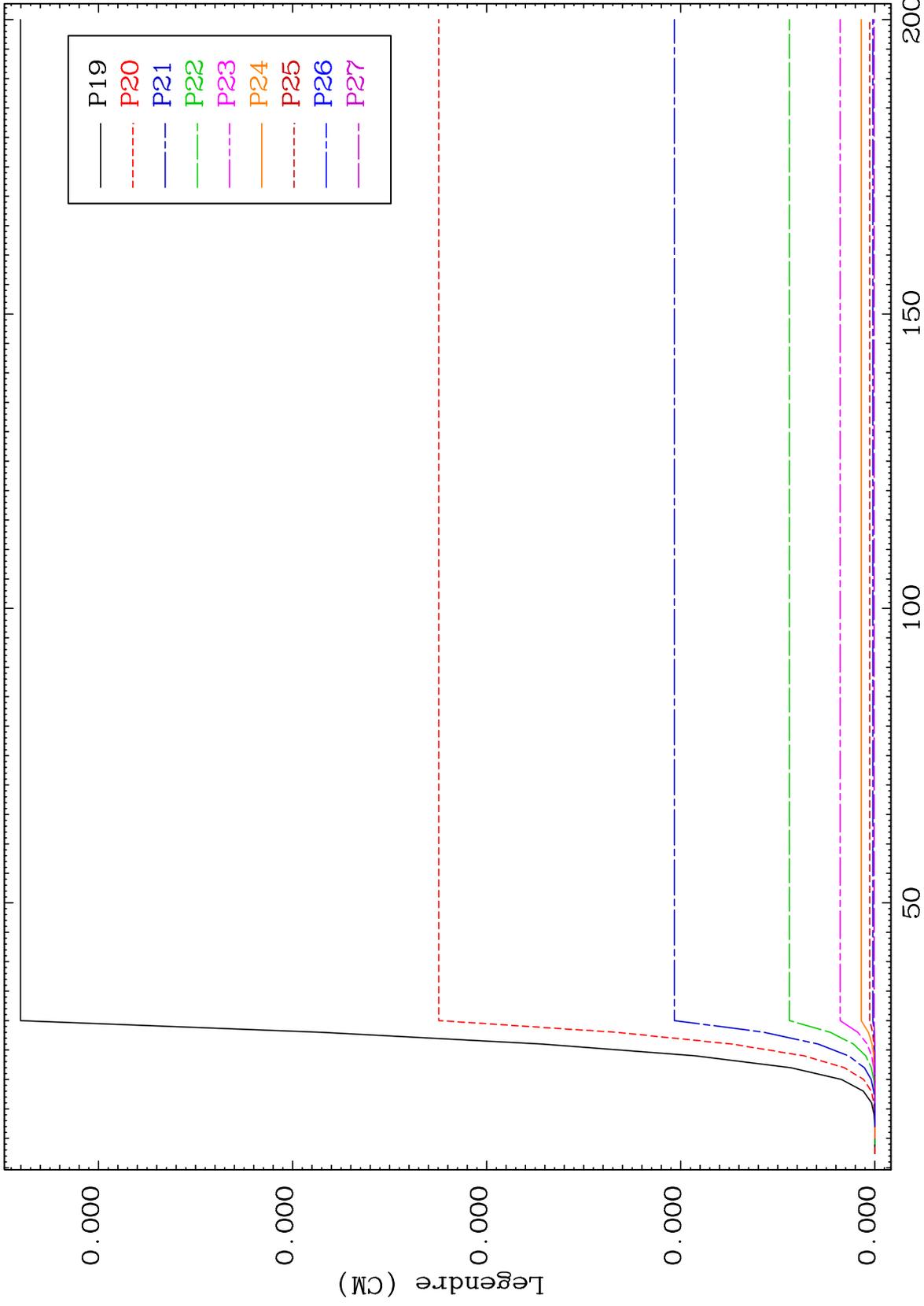
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



34

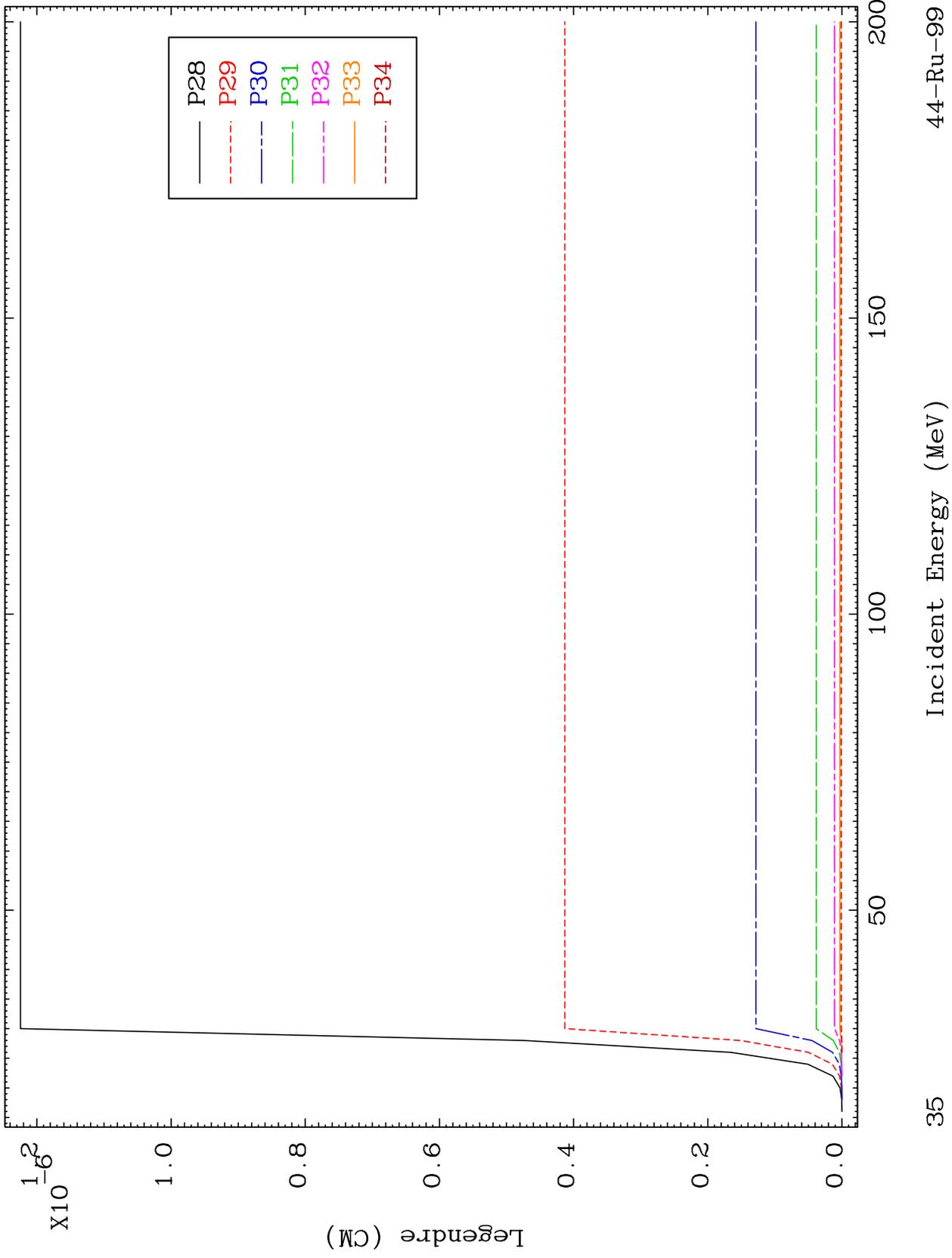
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



35

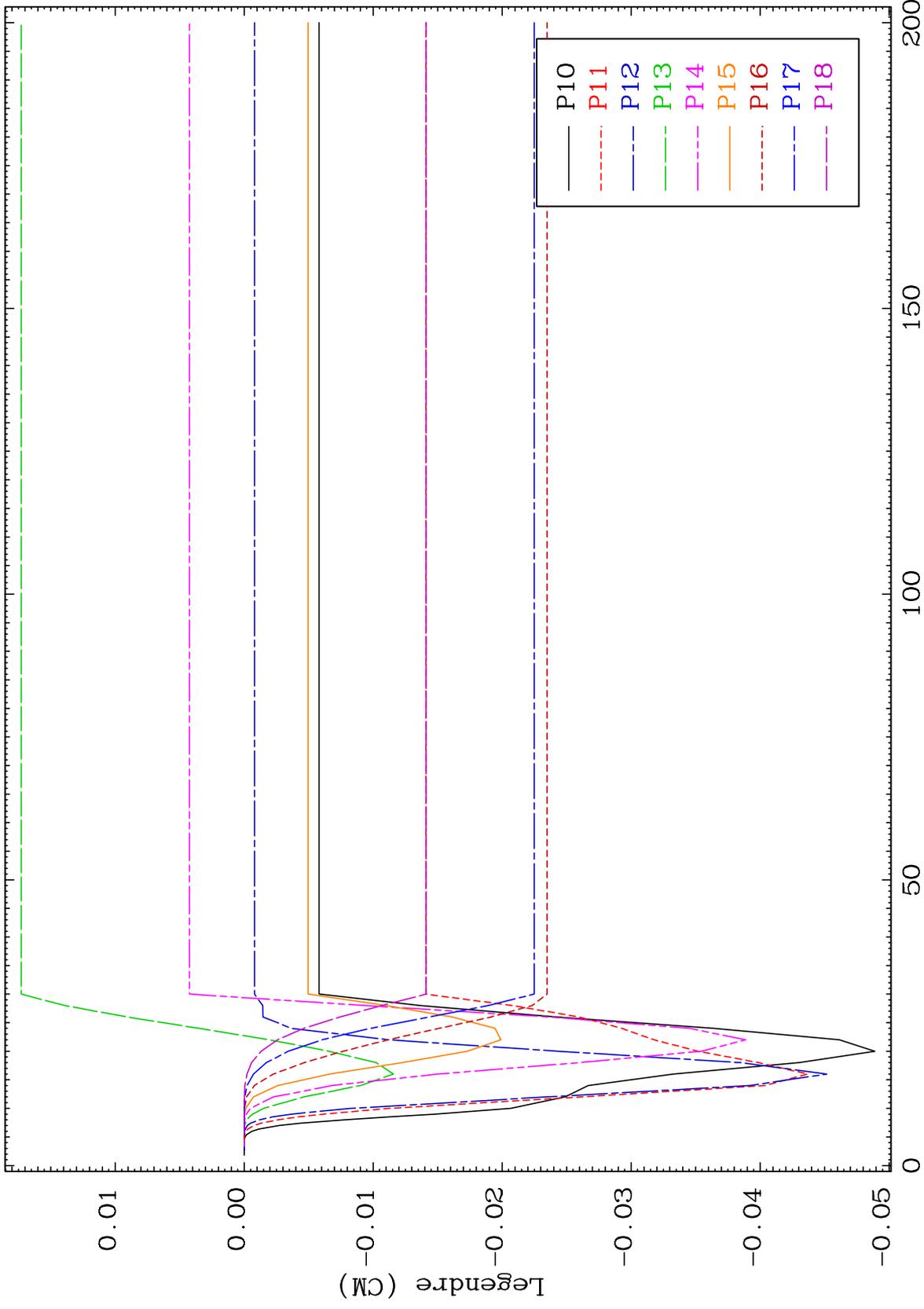
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

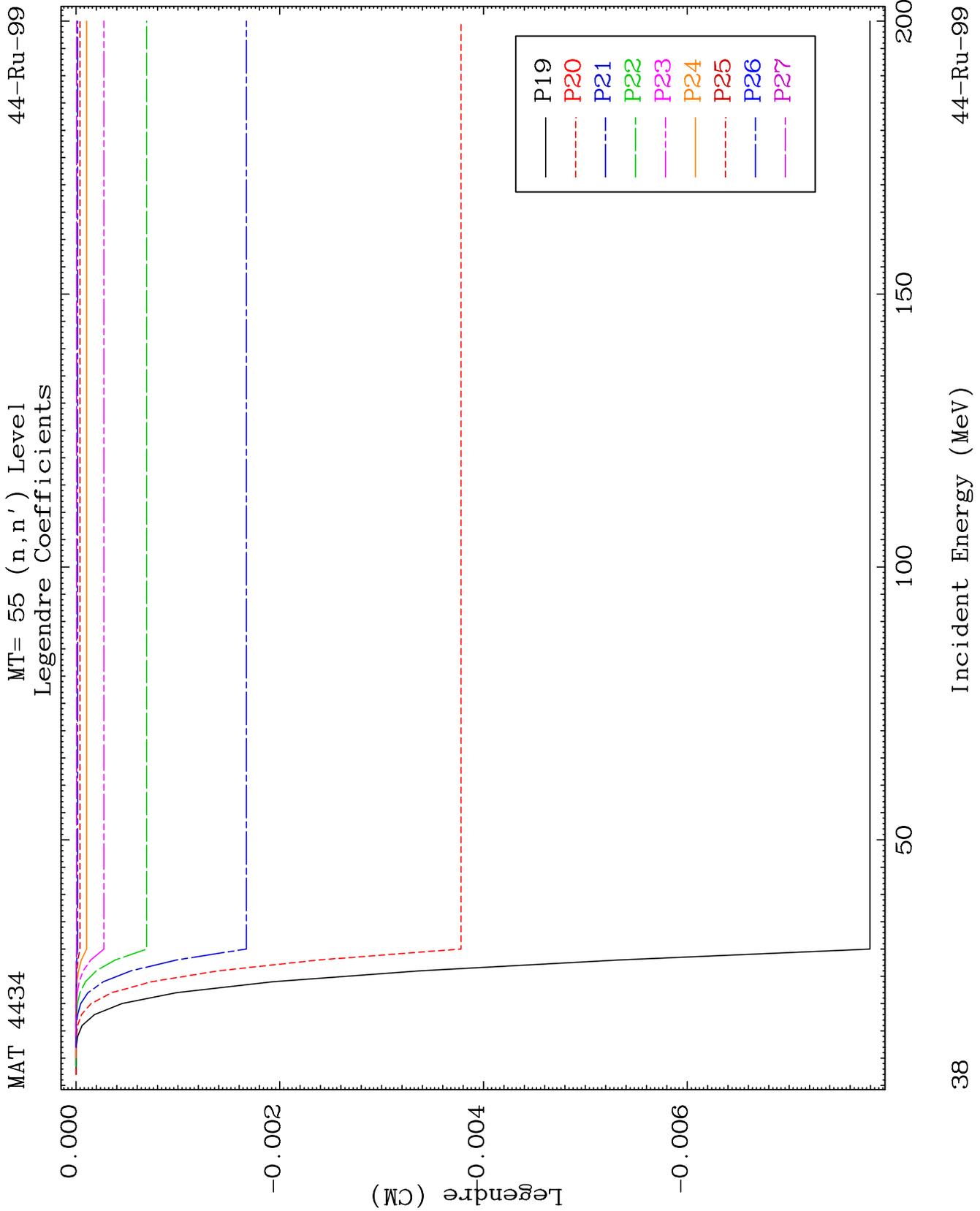
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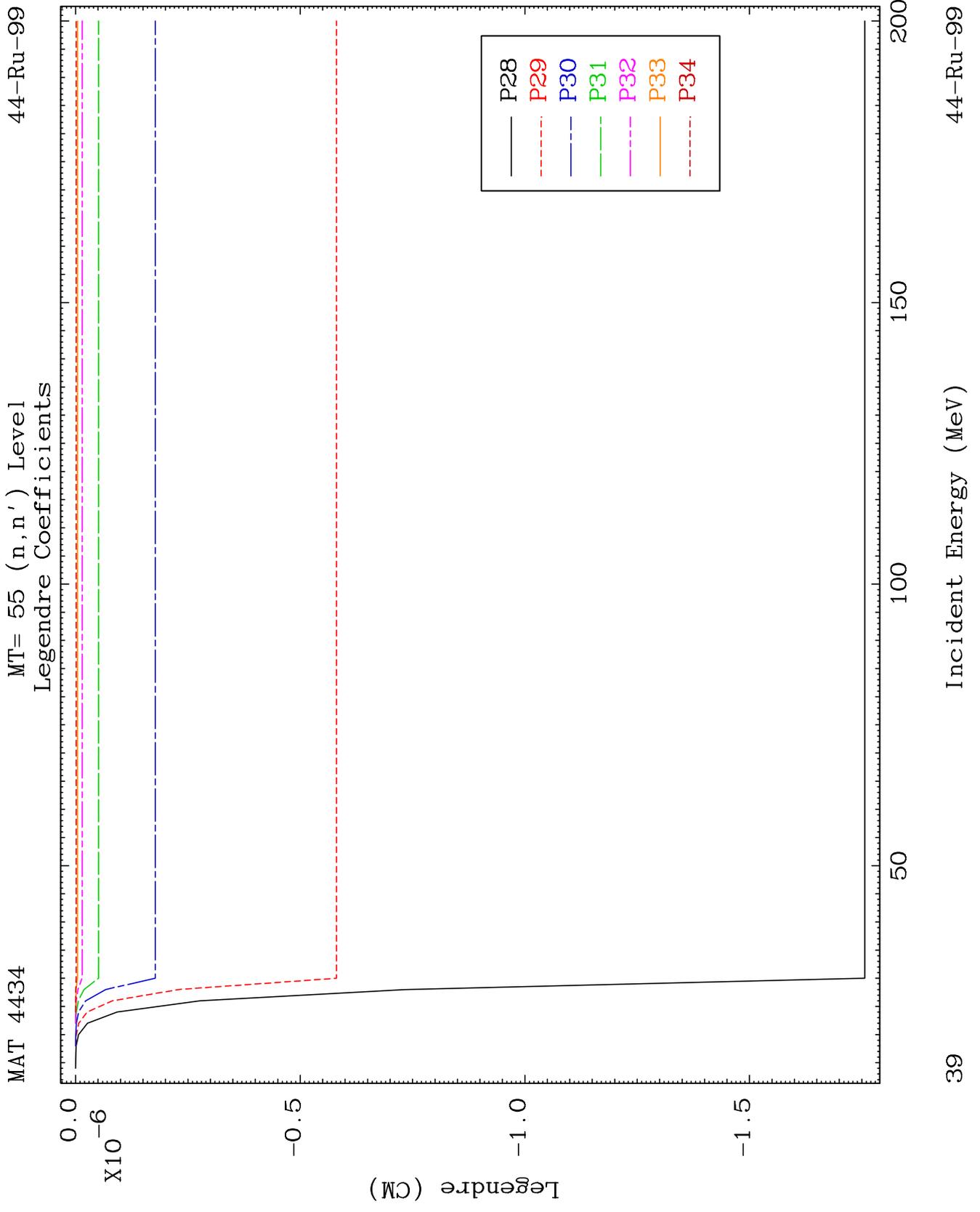


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Incident Energy (MeV)

44-Ru-99

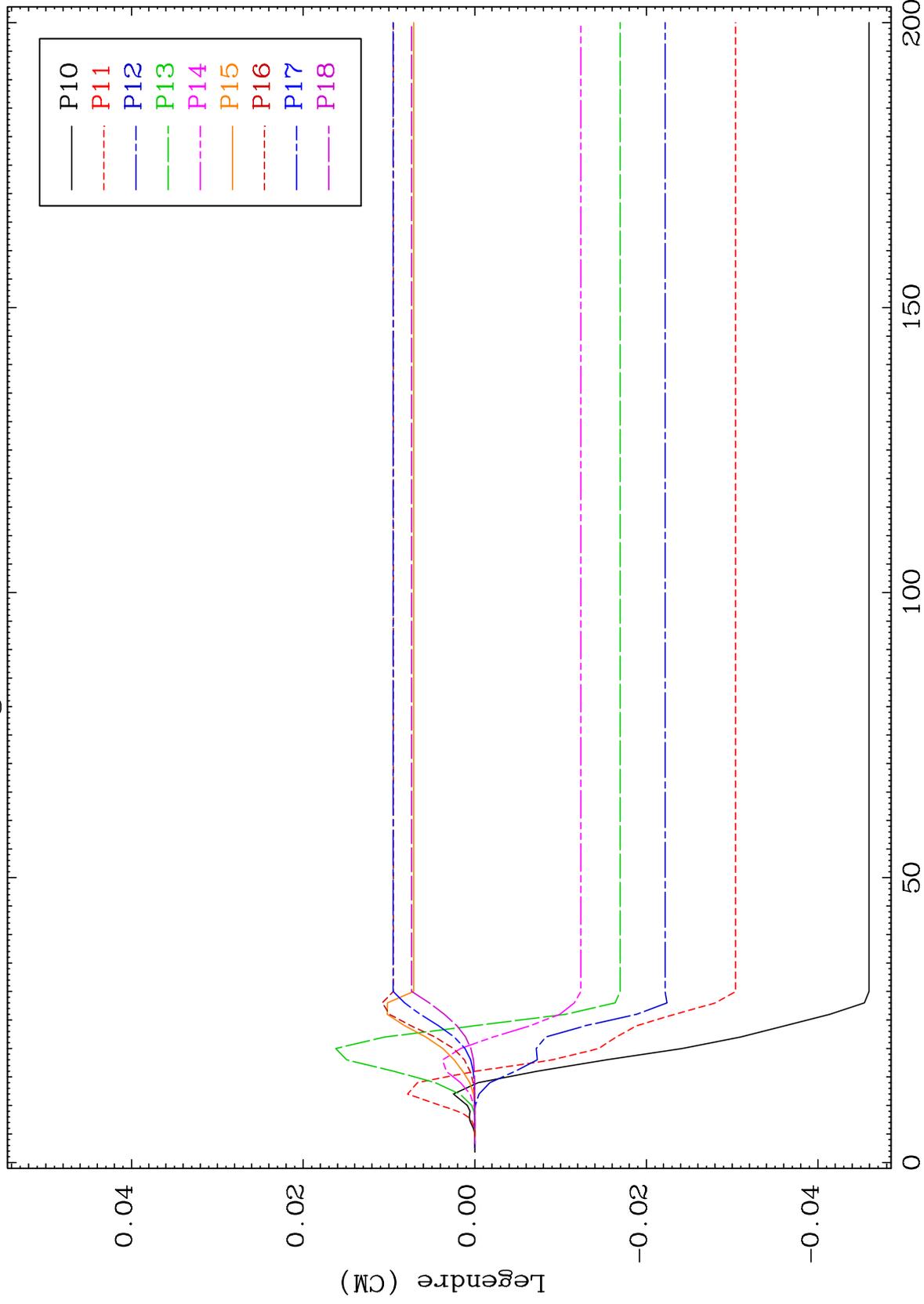




MAT 4434

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

44-Ru-99



41

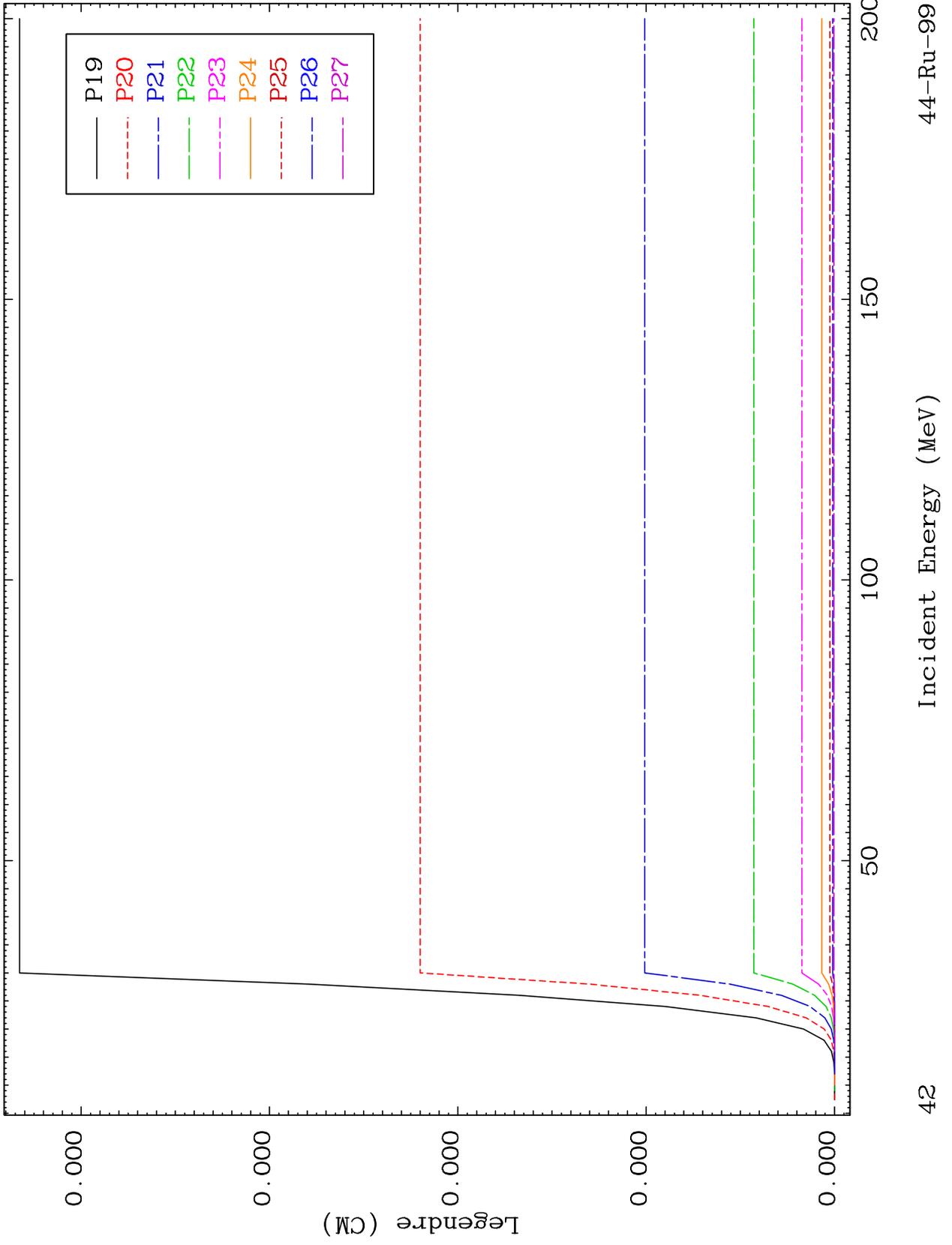
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



42

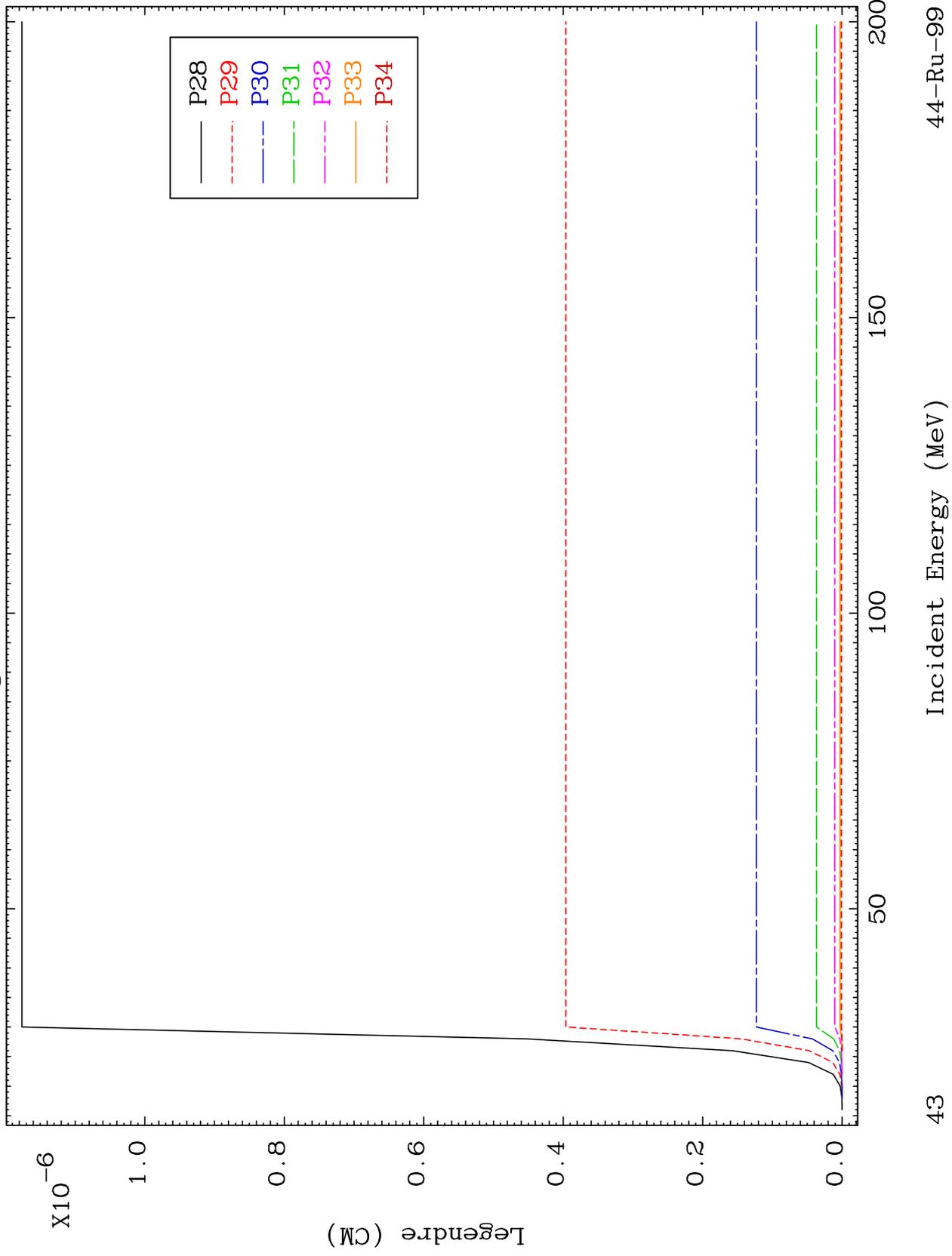
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

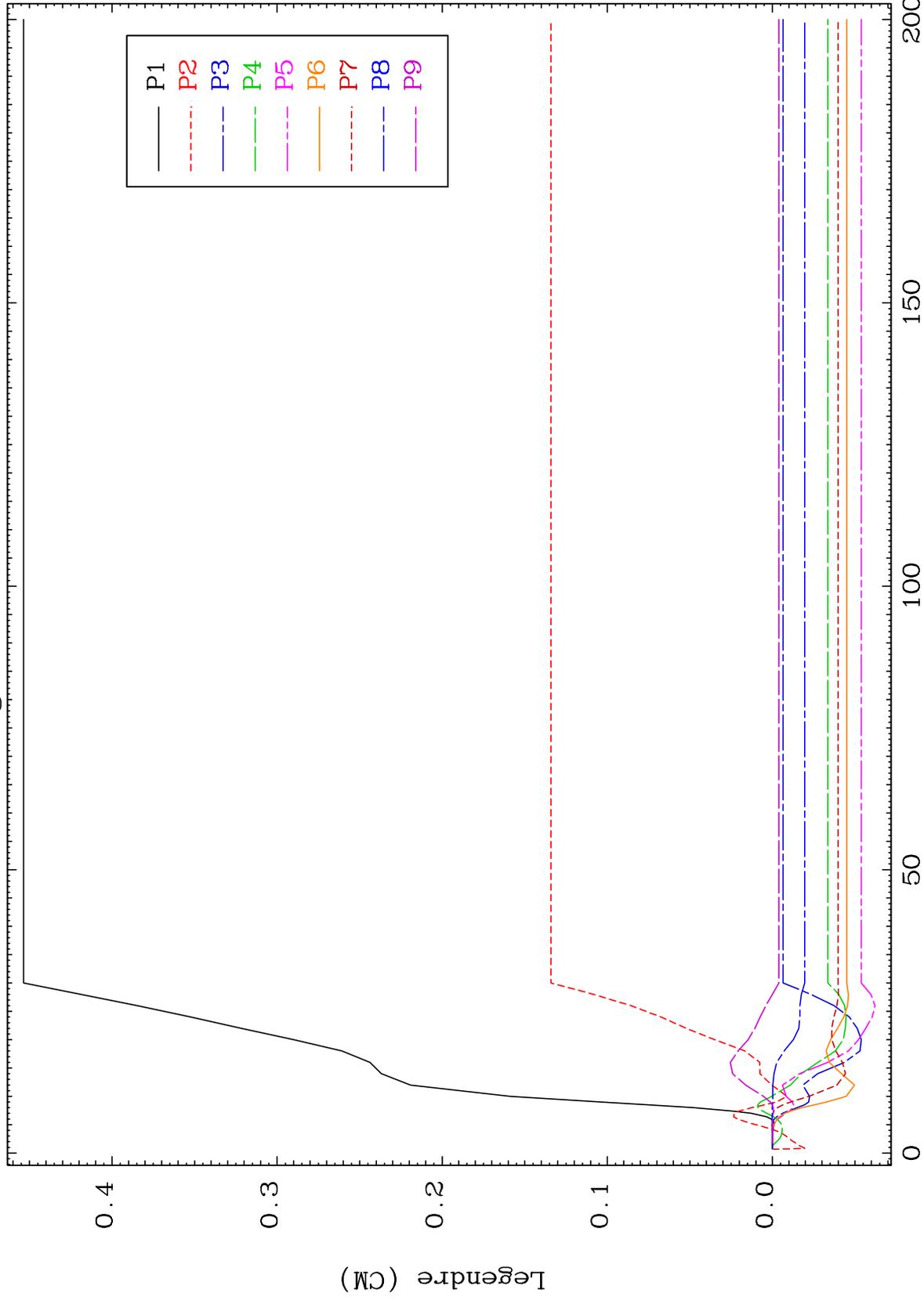
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MAT 4434

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

44-Ru-99



44

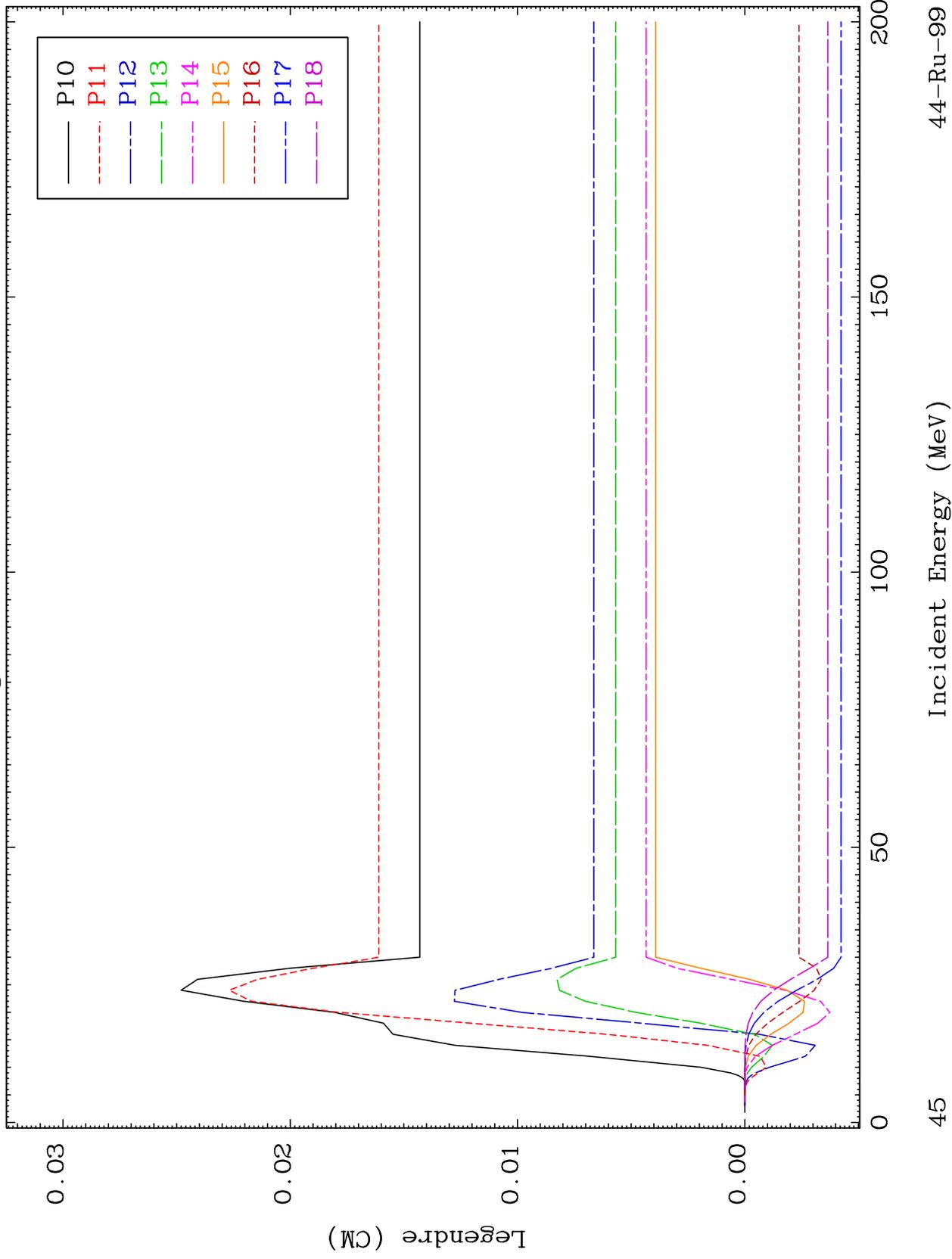
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

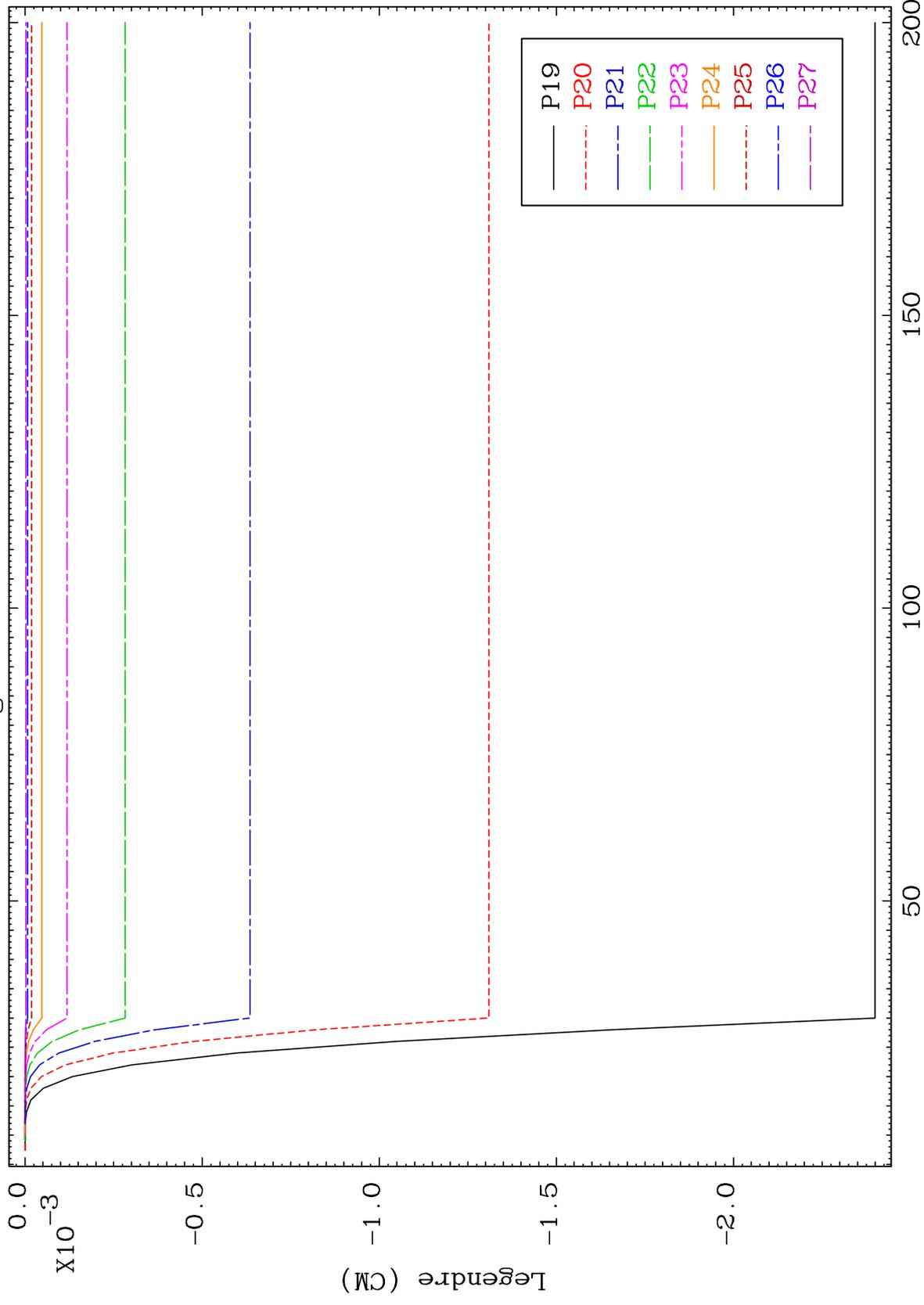
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MAT 4434

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

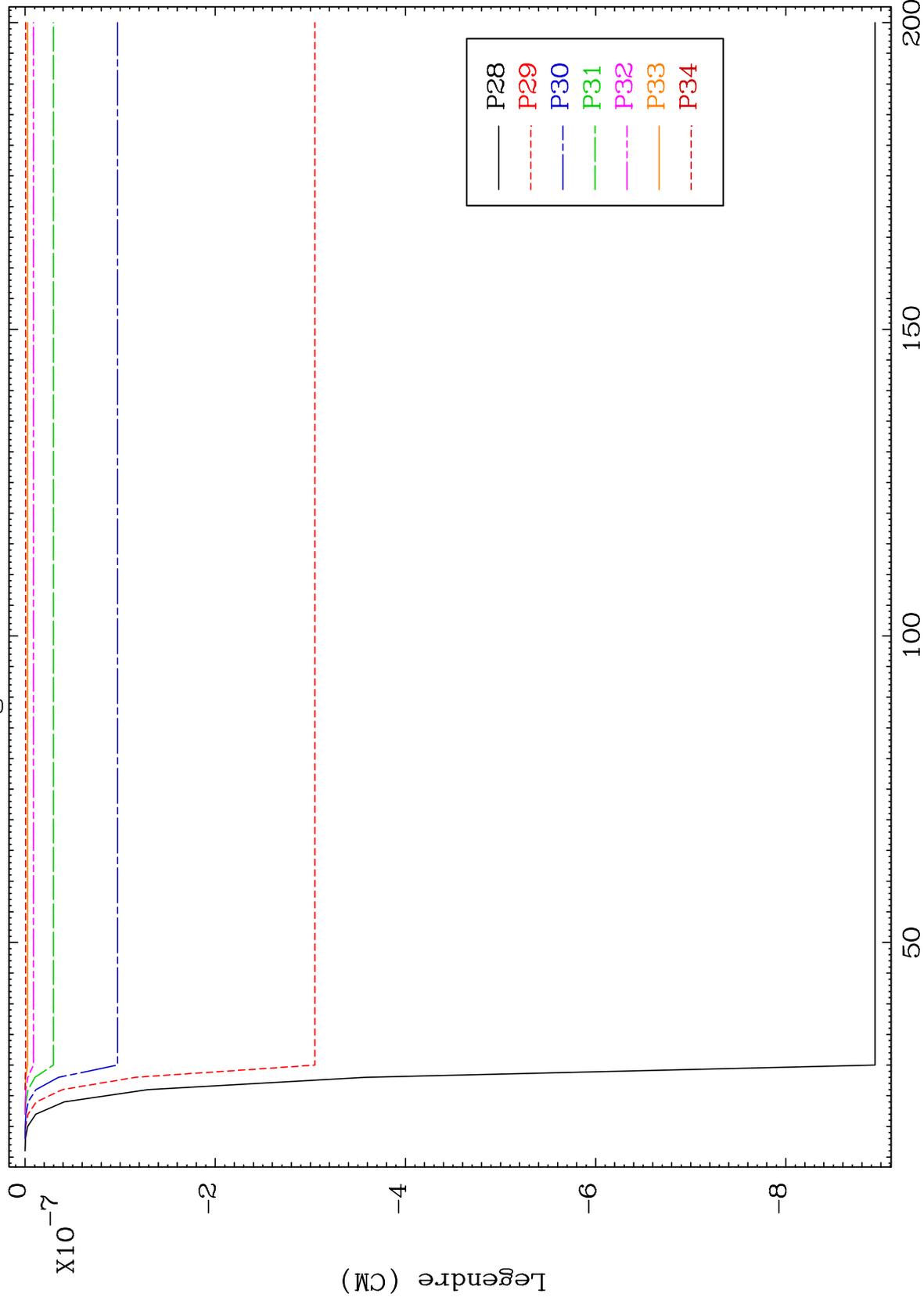
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MAT 4434

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

44-Ru-99



47

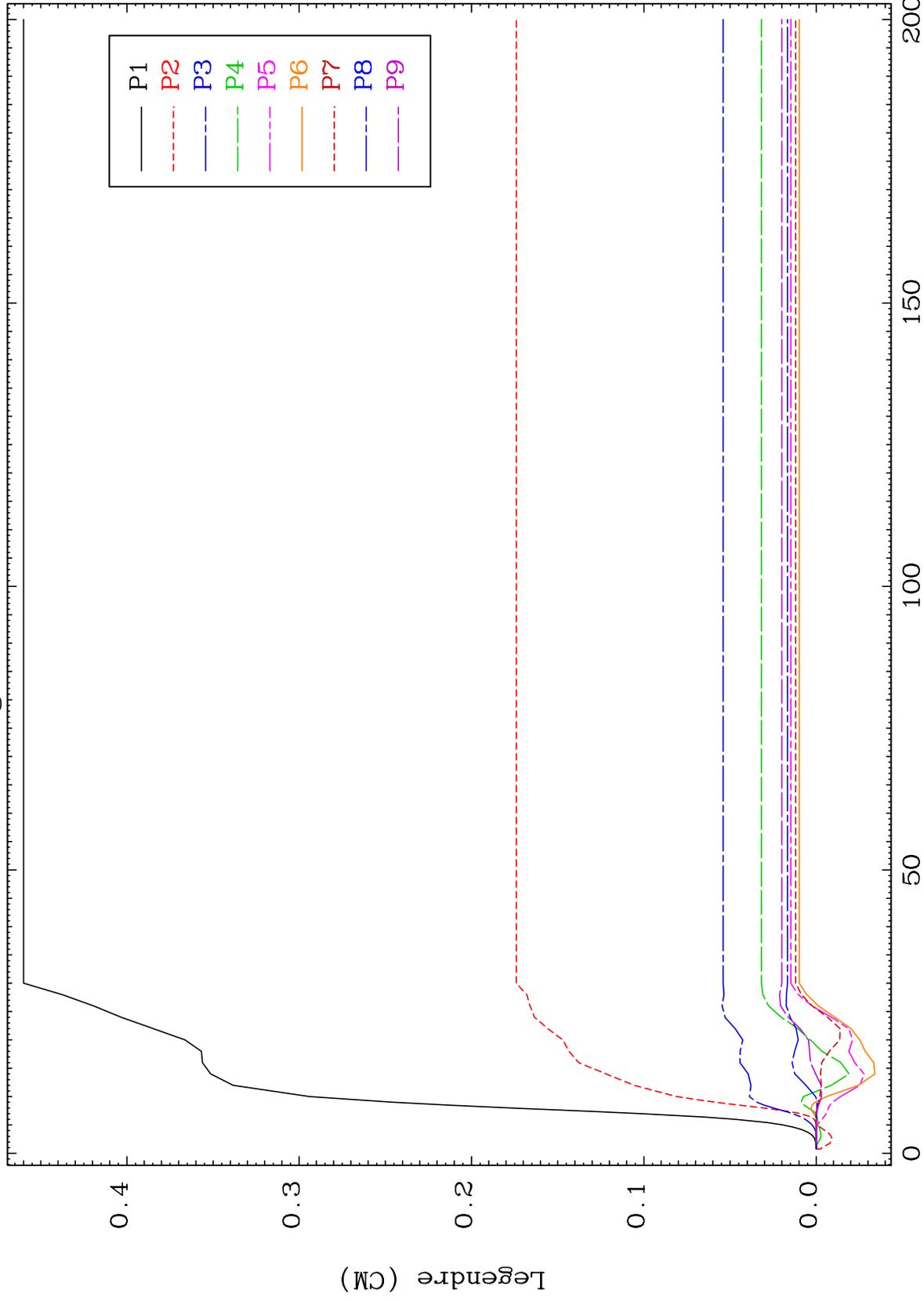
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



48

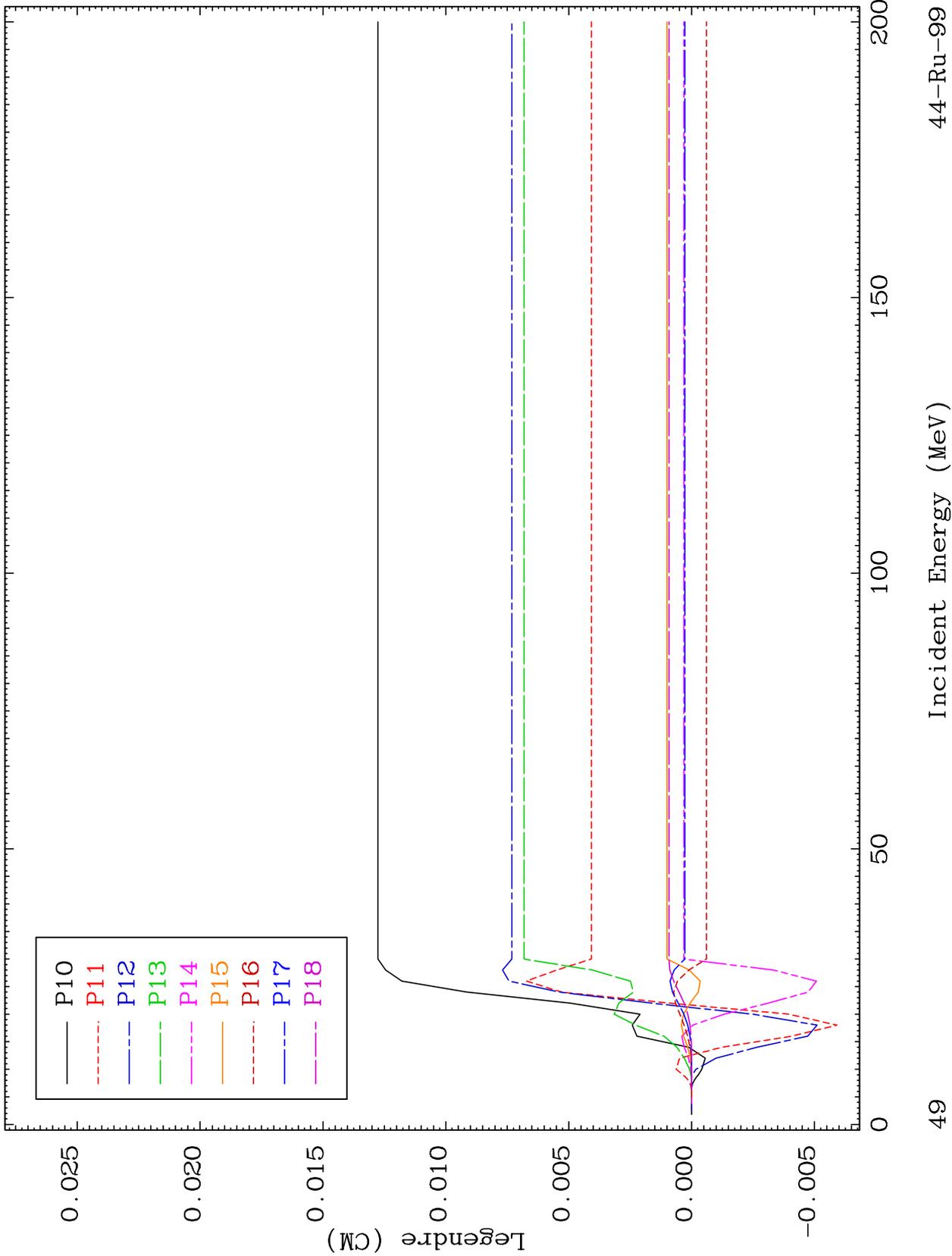
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



49

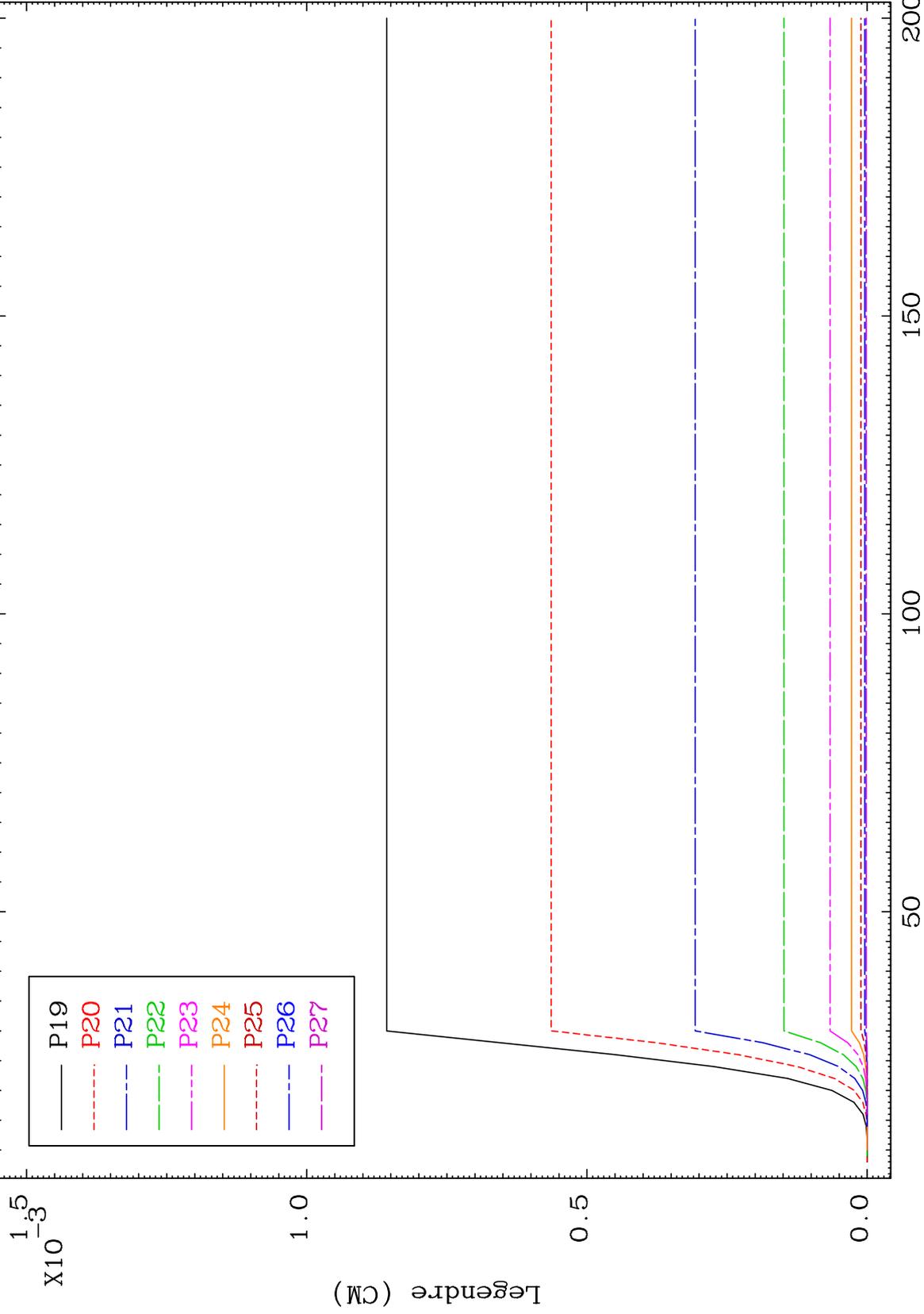
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



50

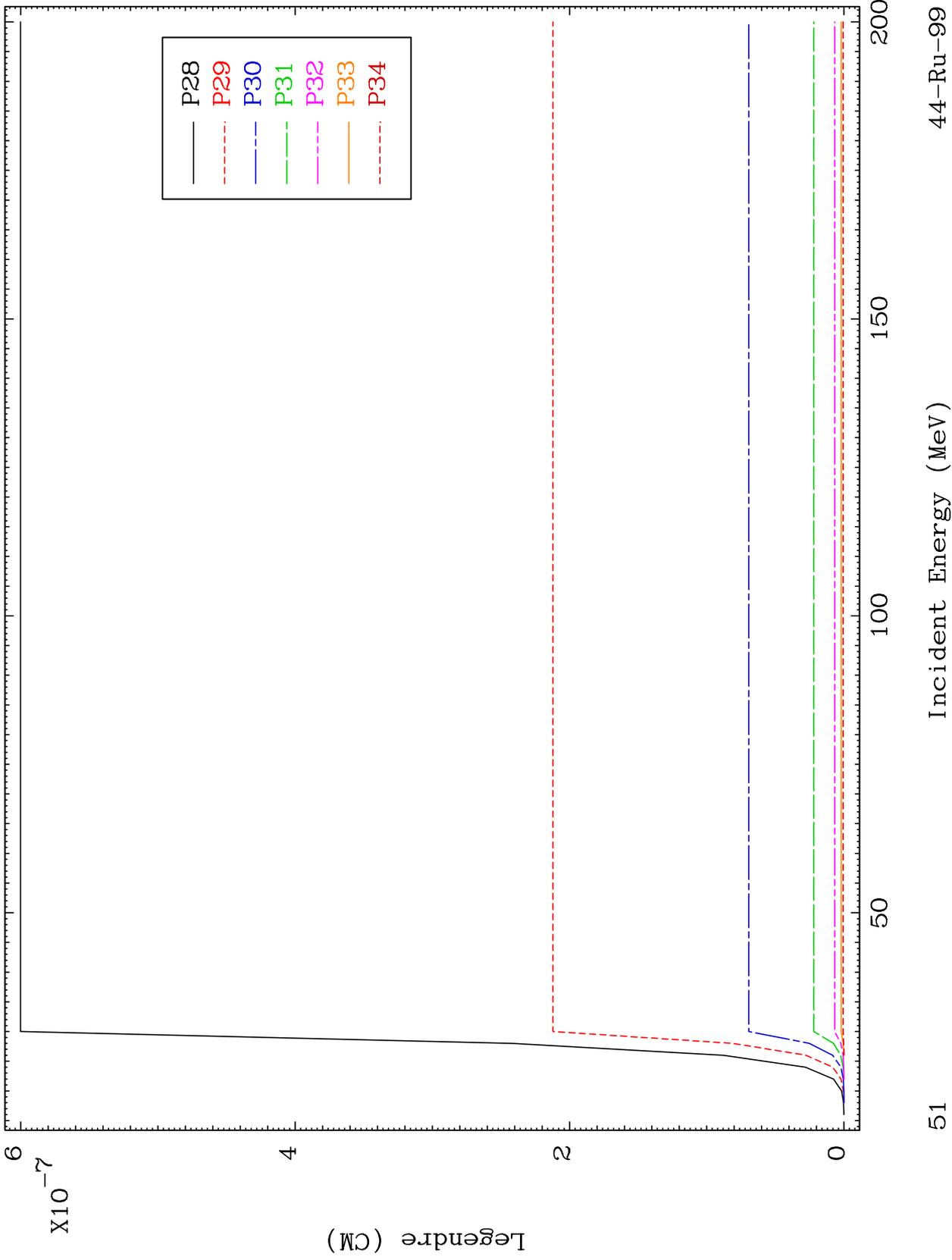
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



51

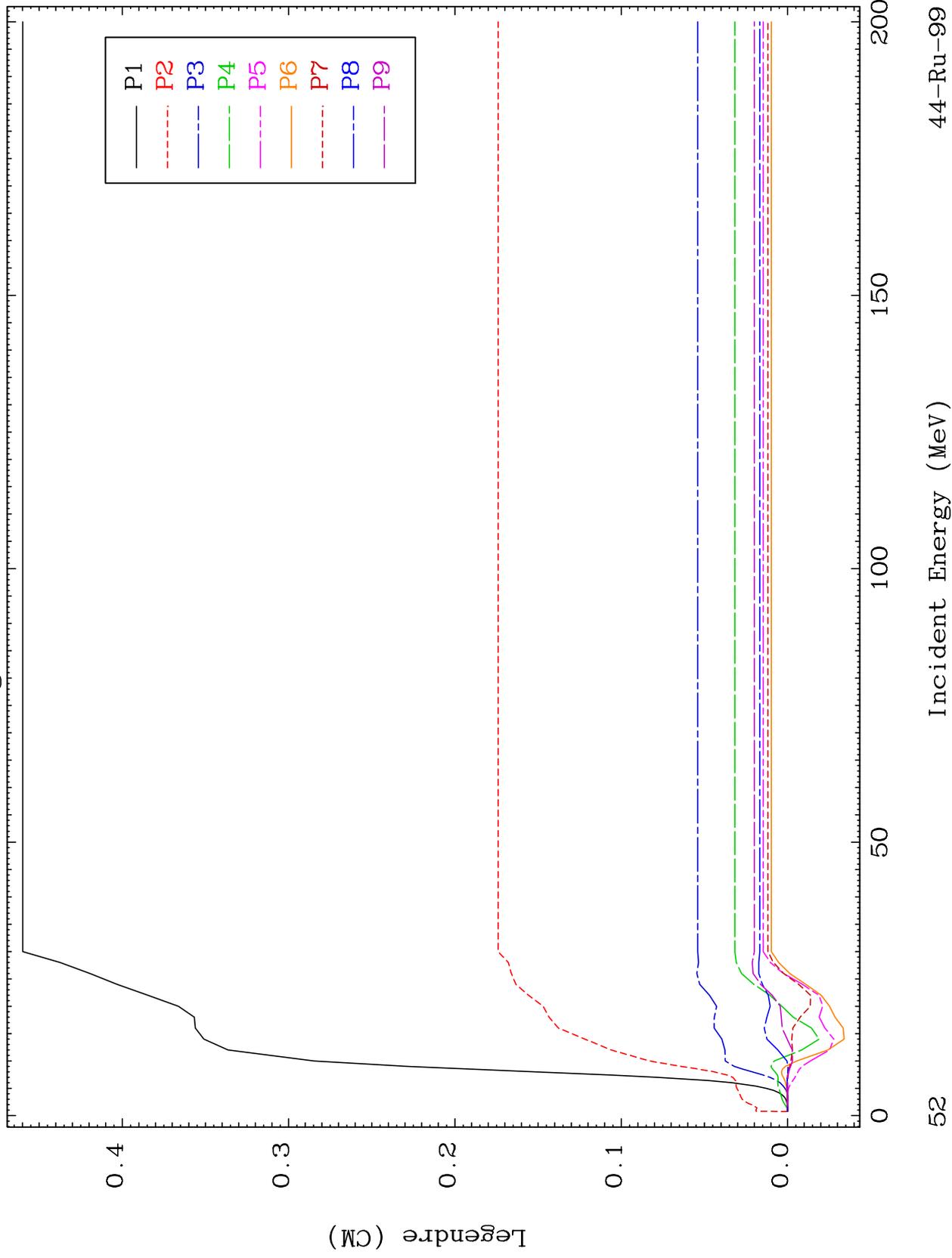
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

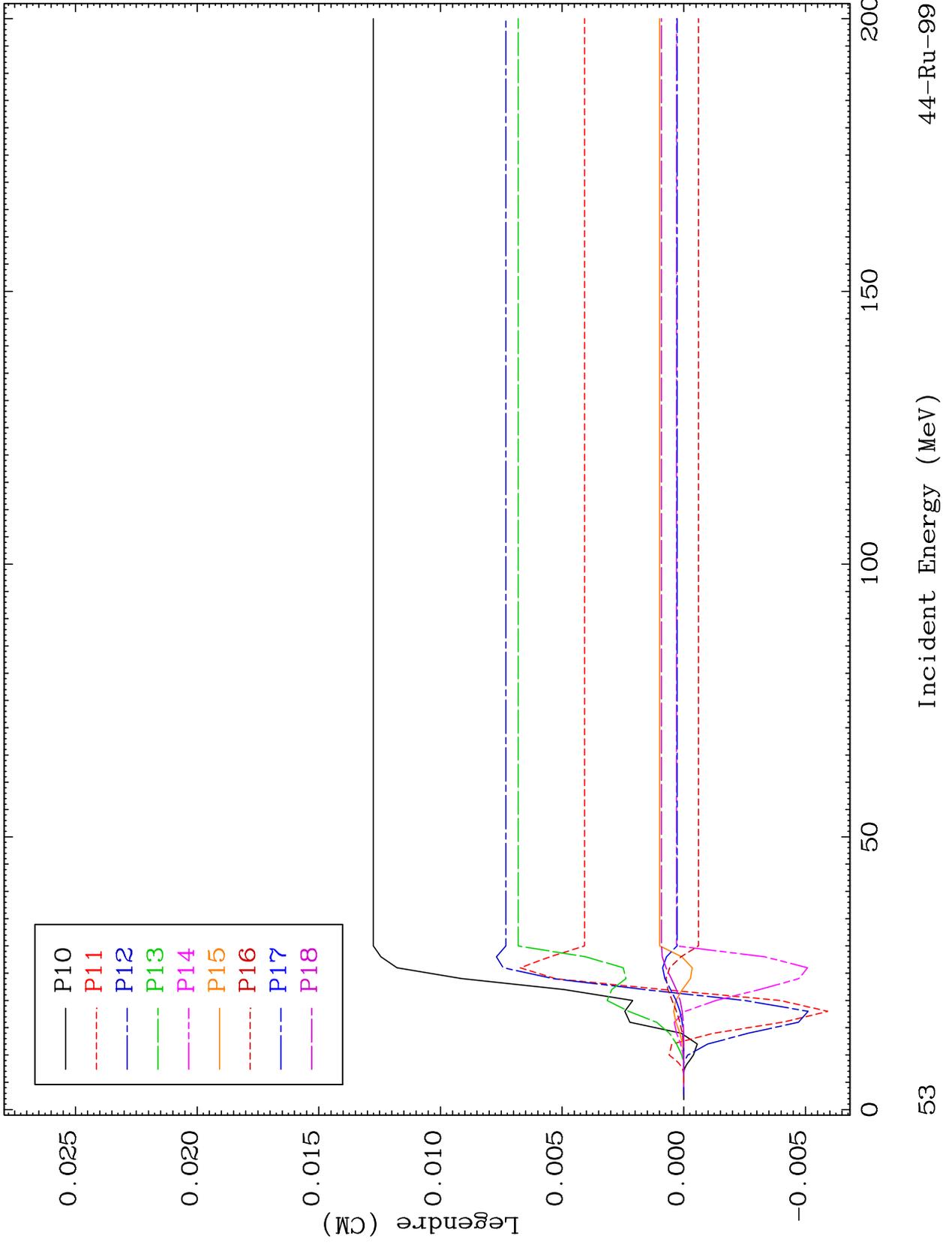
44-Ru-99



44-Ru-99

Incident Energy (MeV)

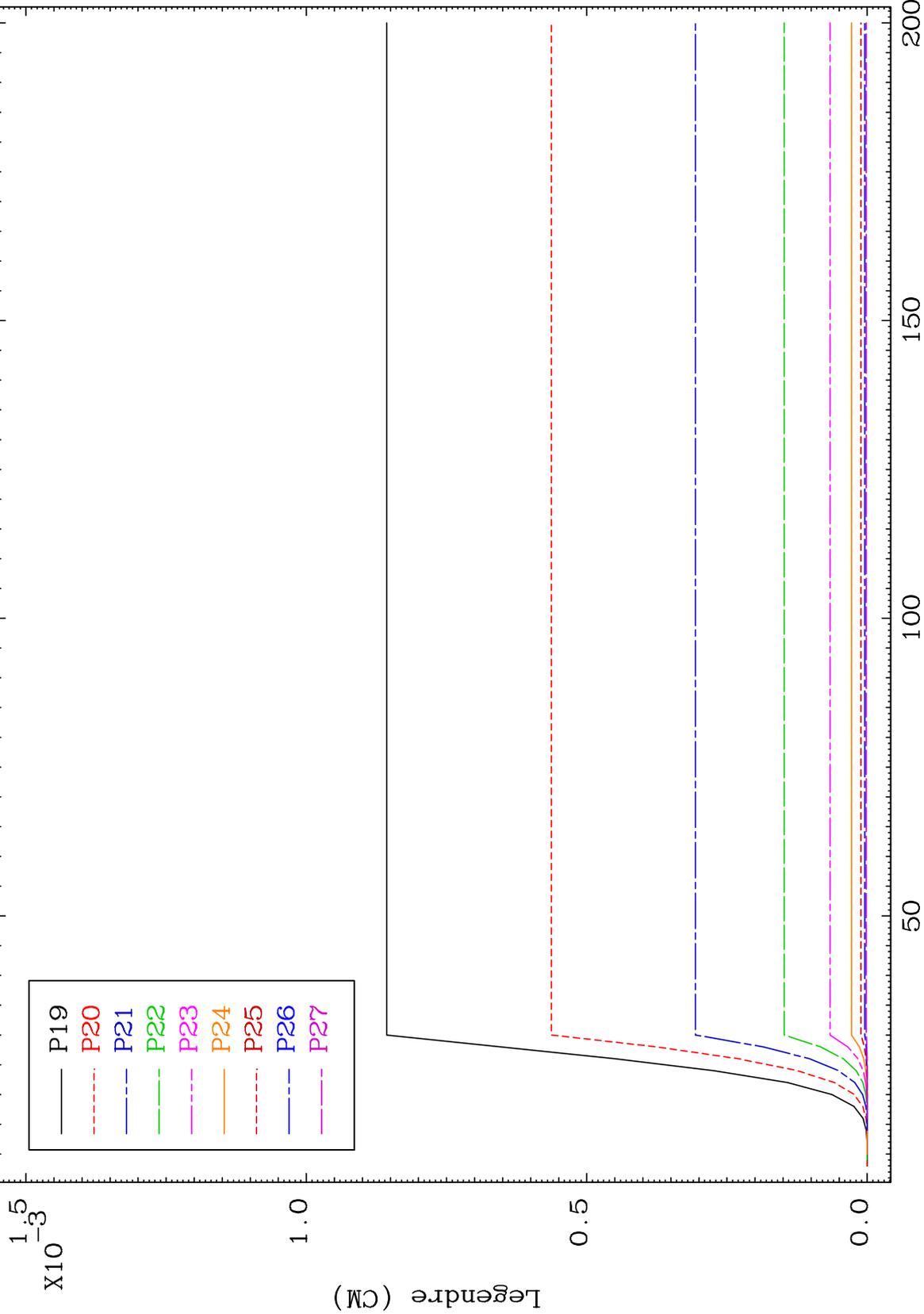
52



MAT 4434

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

44-Ru-99



54

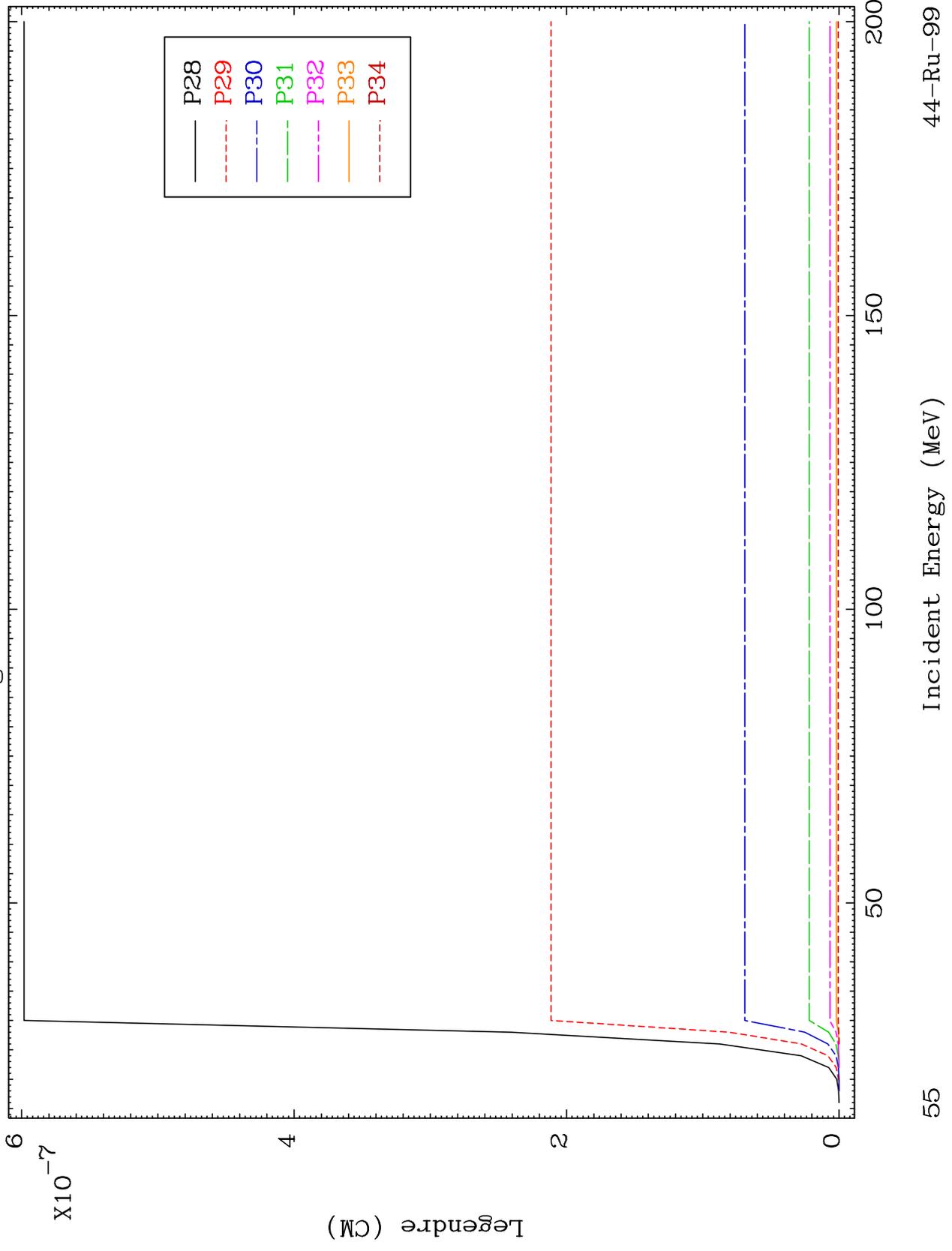
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



55

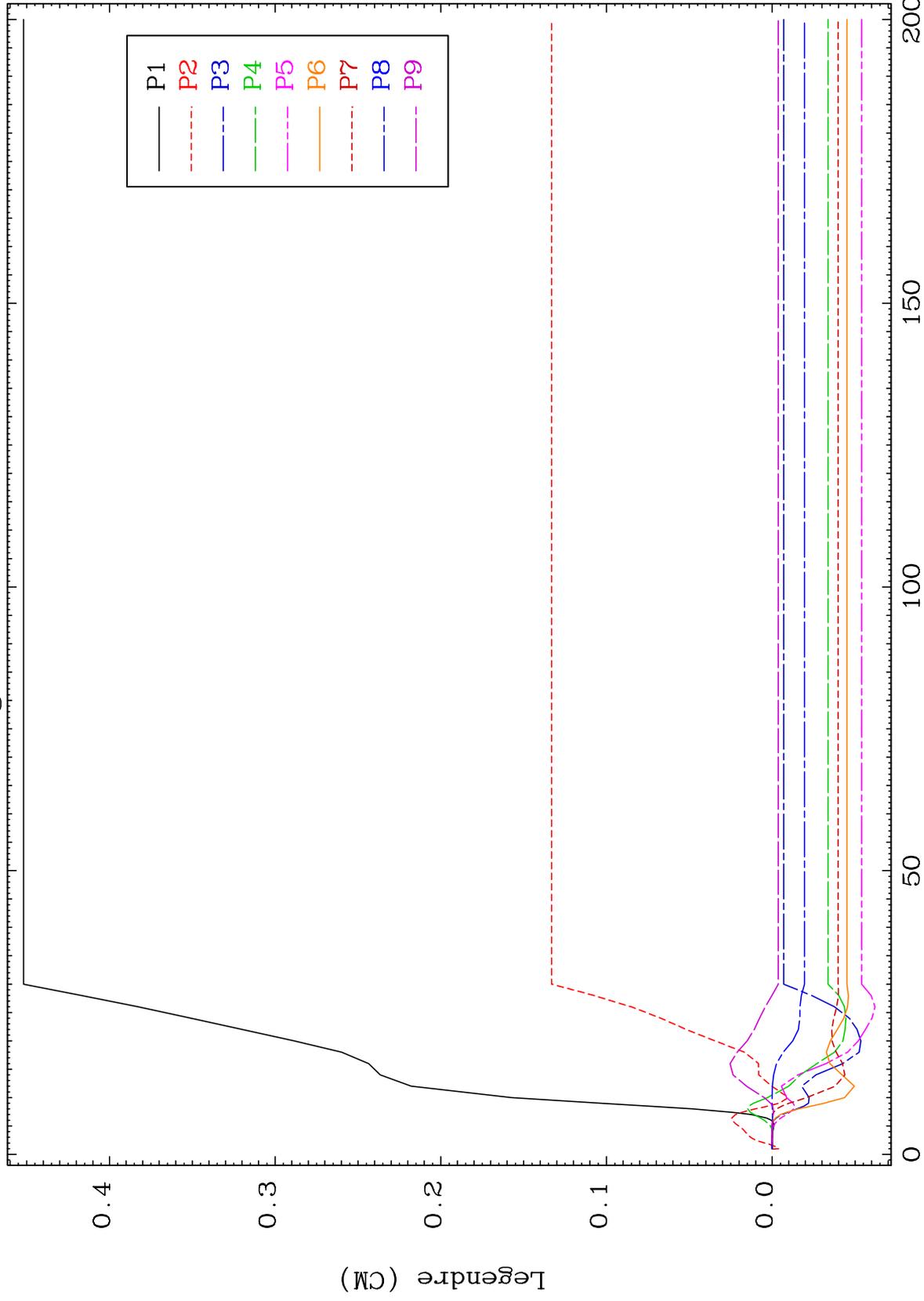
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



56

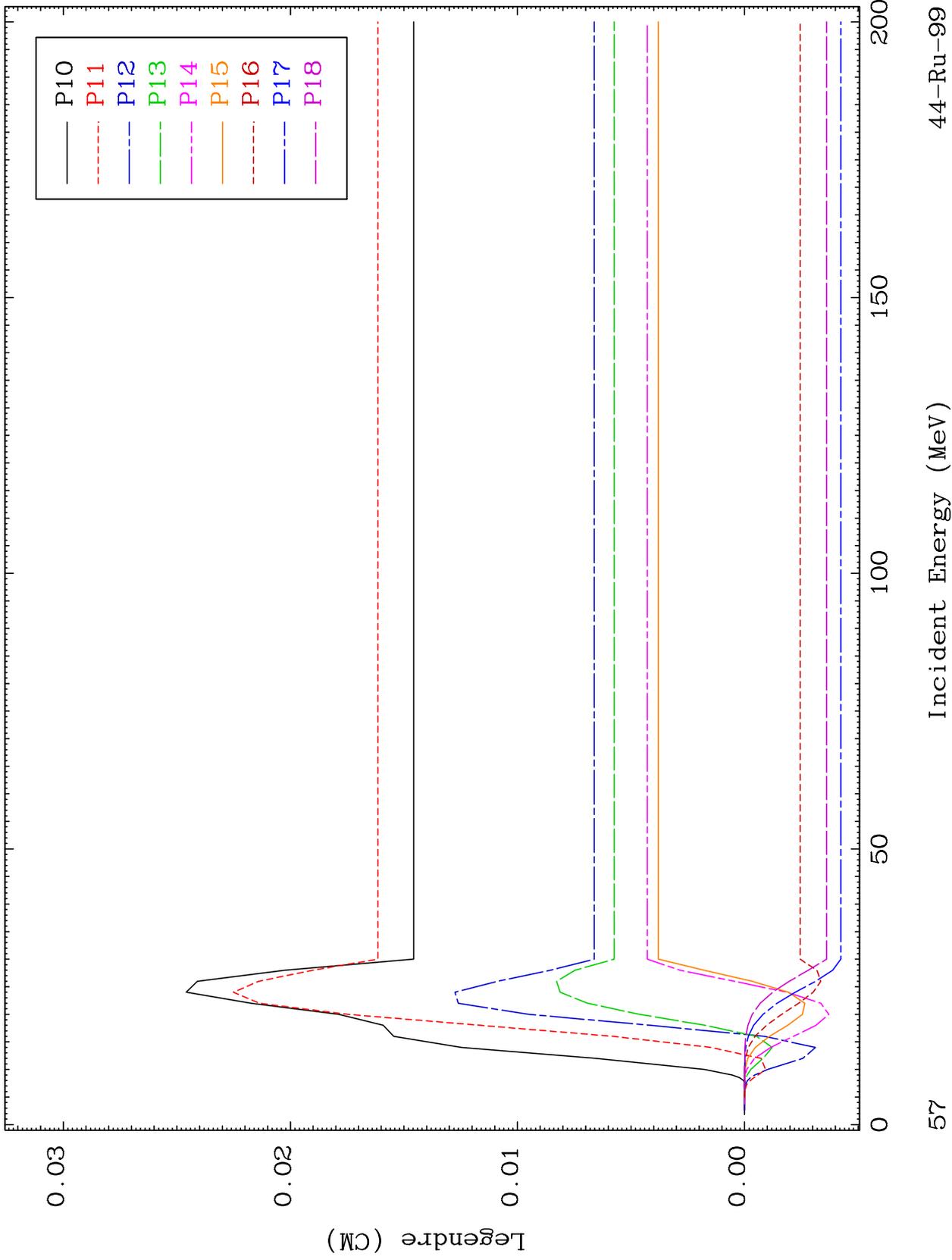
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

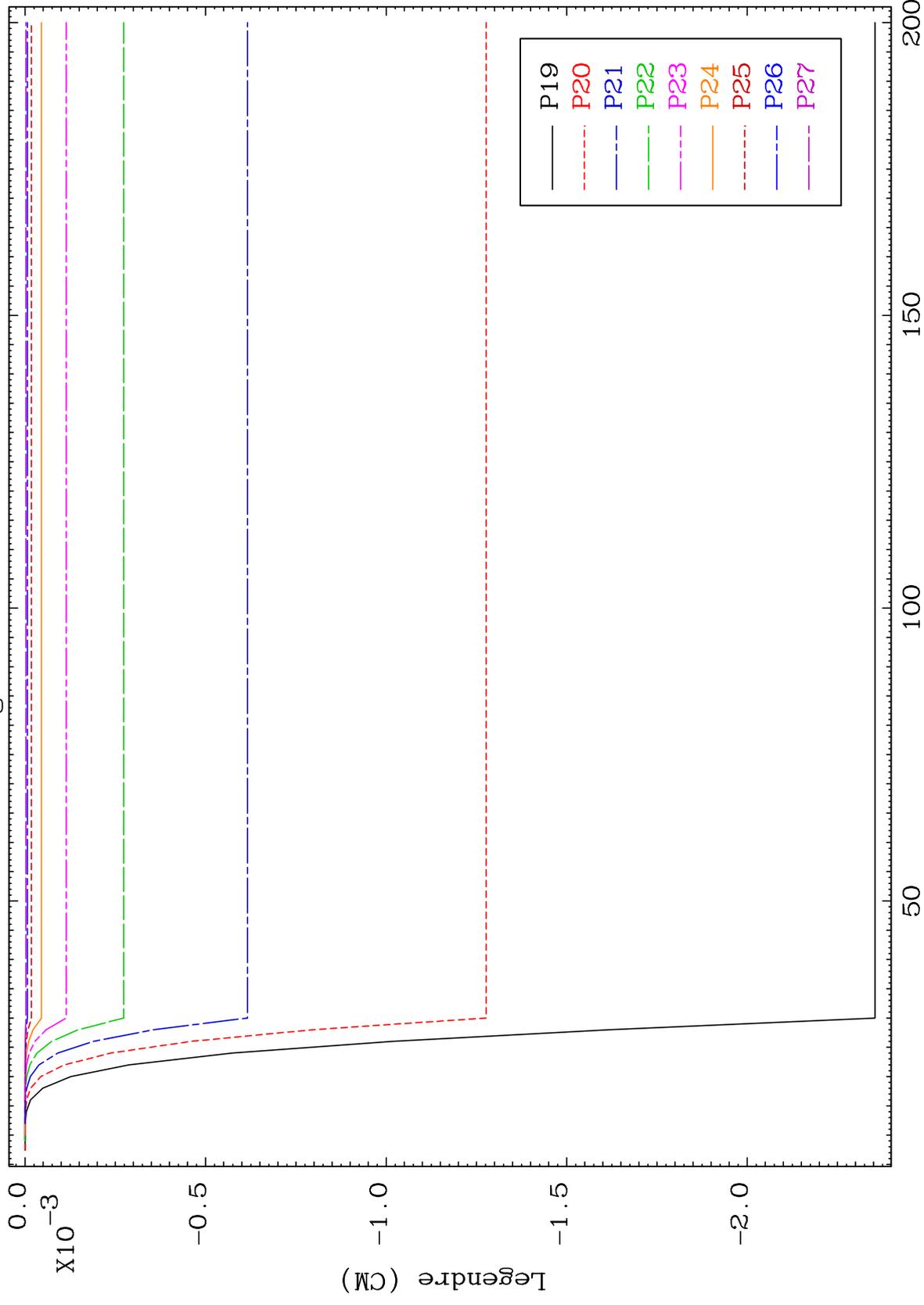
44-Ru-99

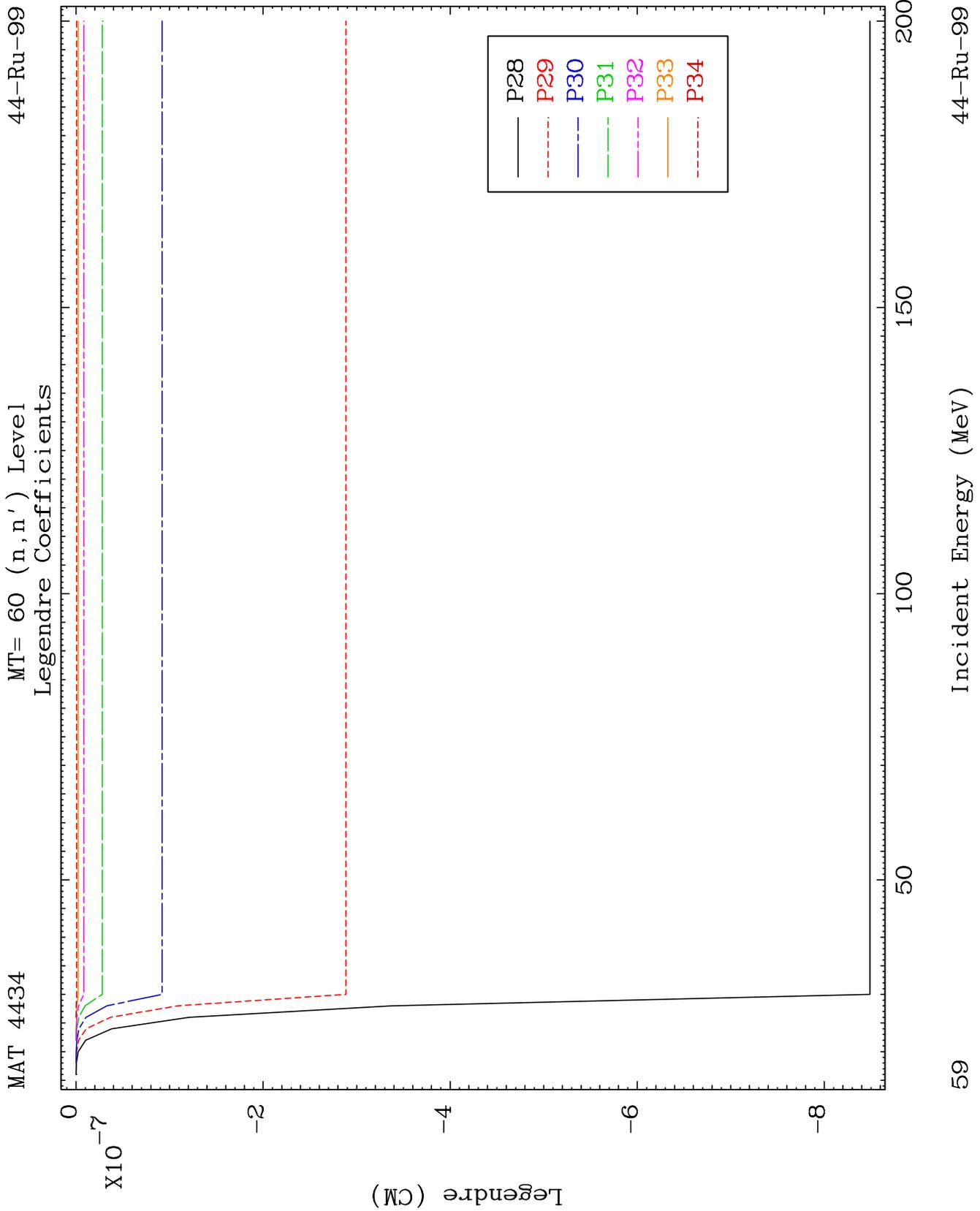


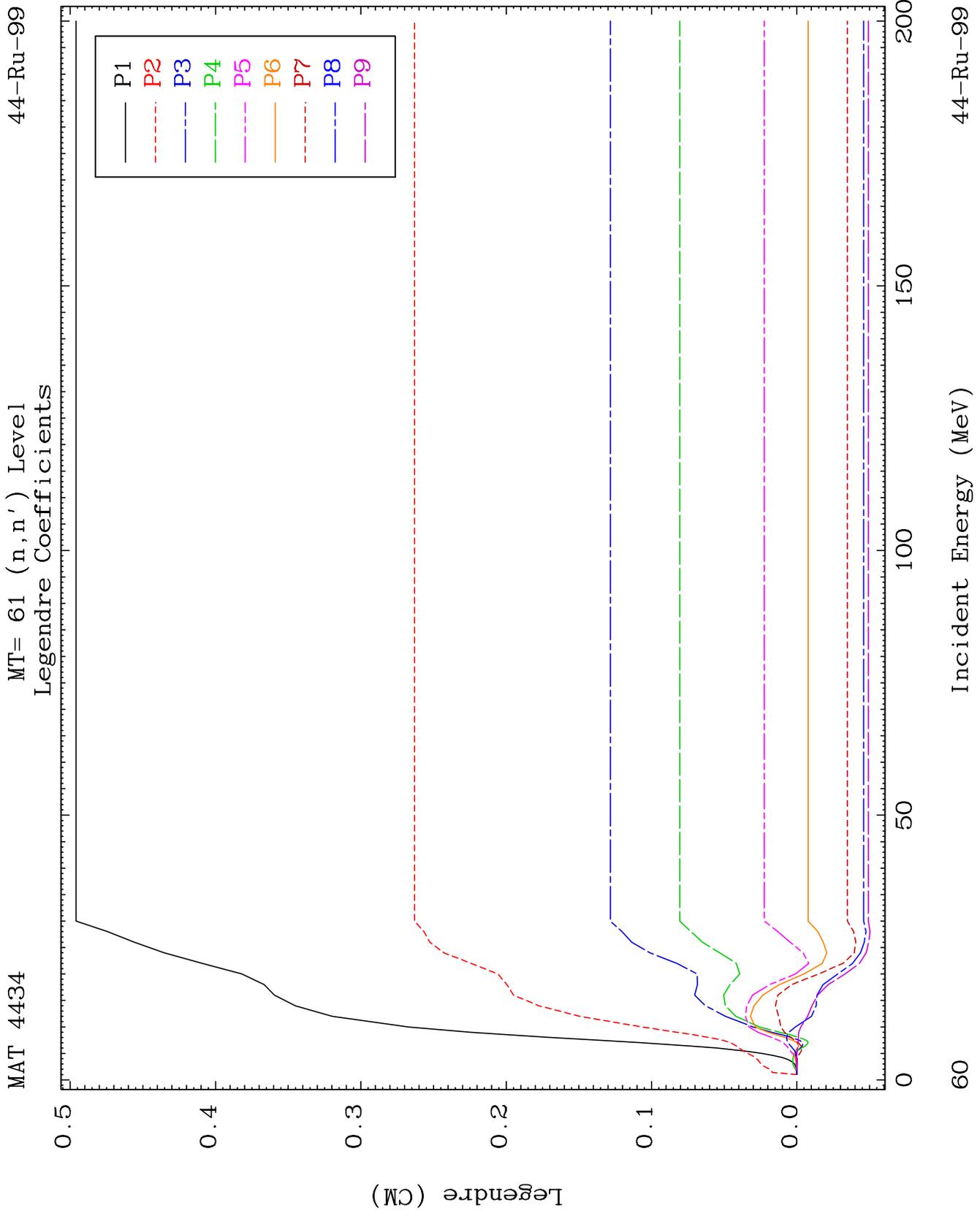
44-Ru-99

Incident Energy (MeV)

57



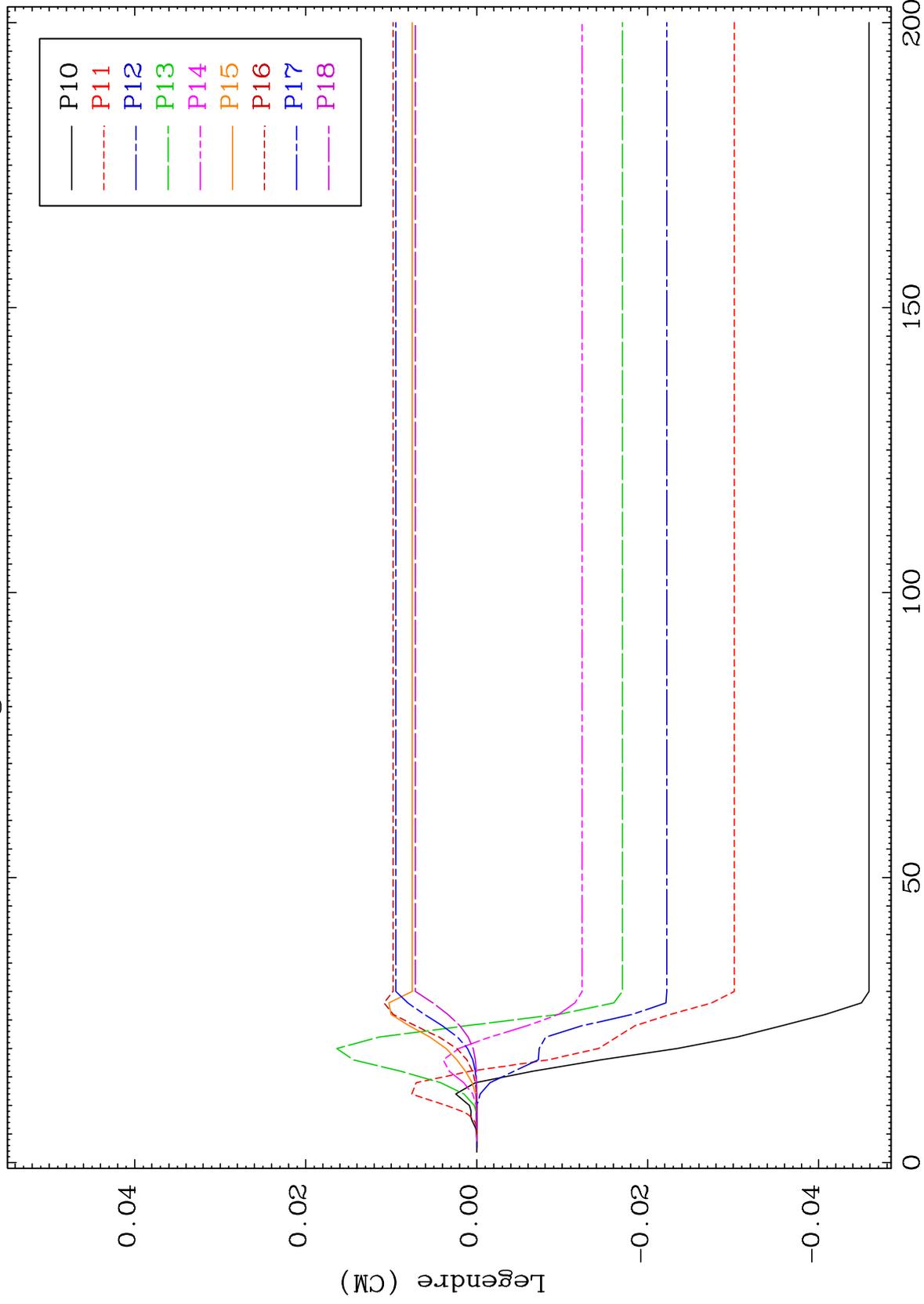




MAT 4434

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

44-Ru-99



61

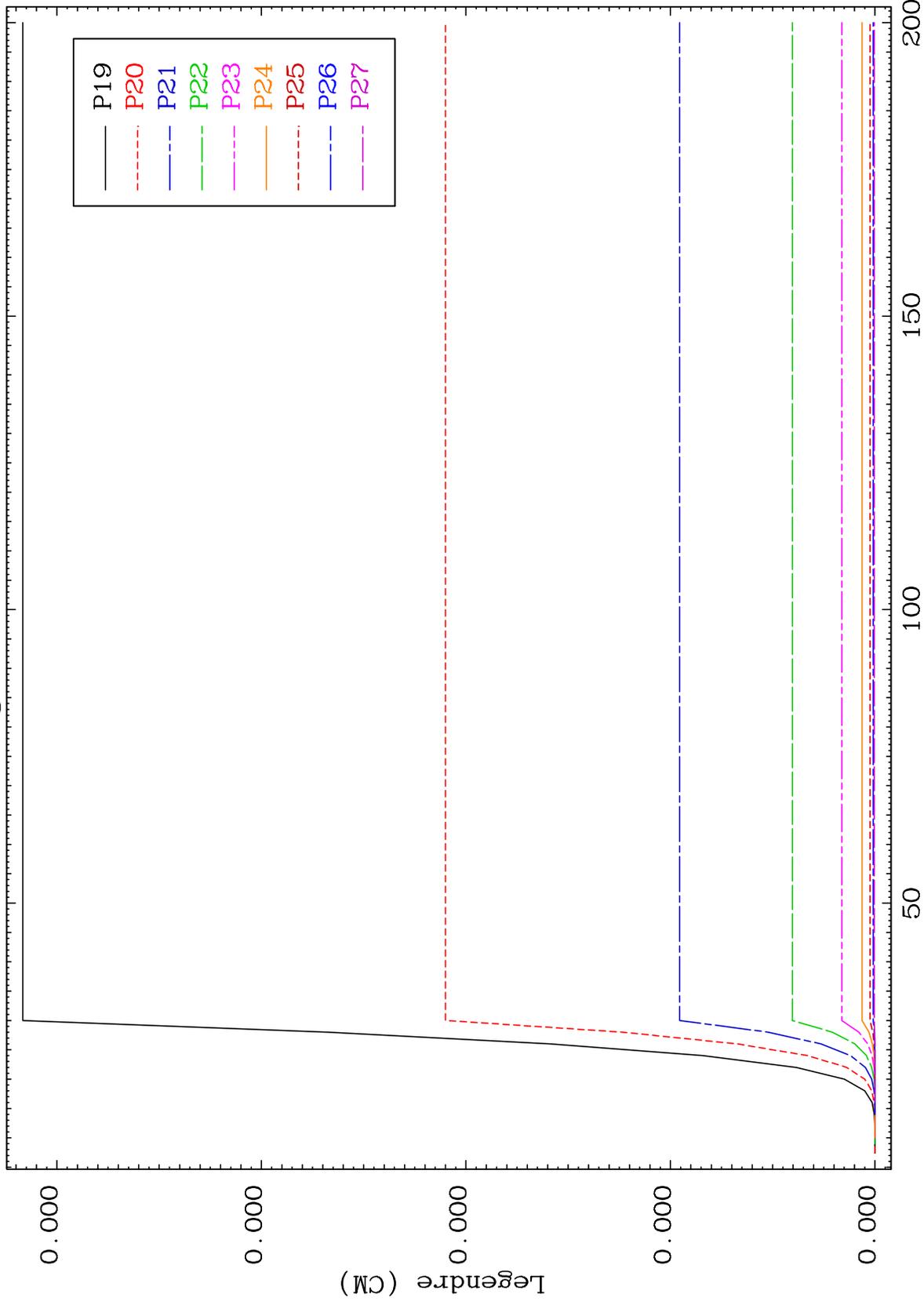
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



62

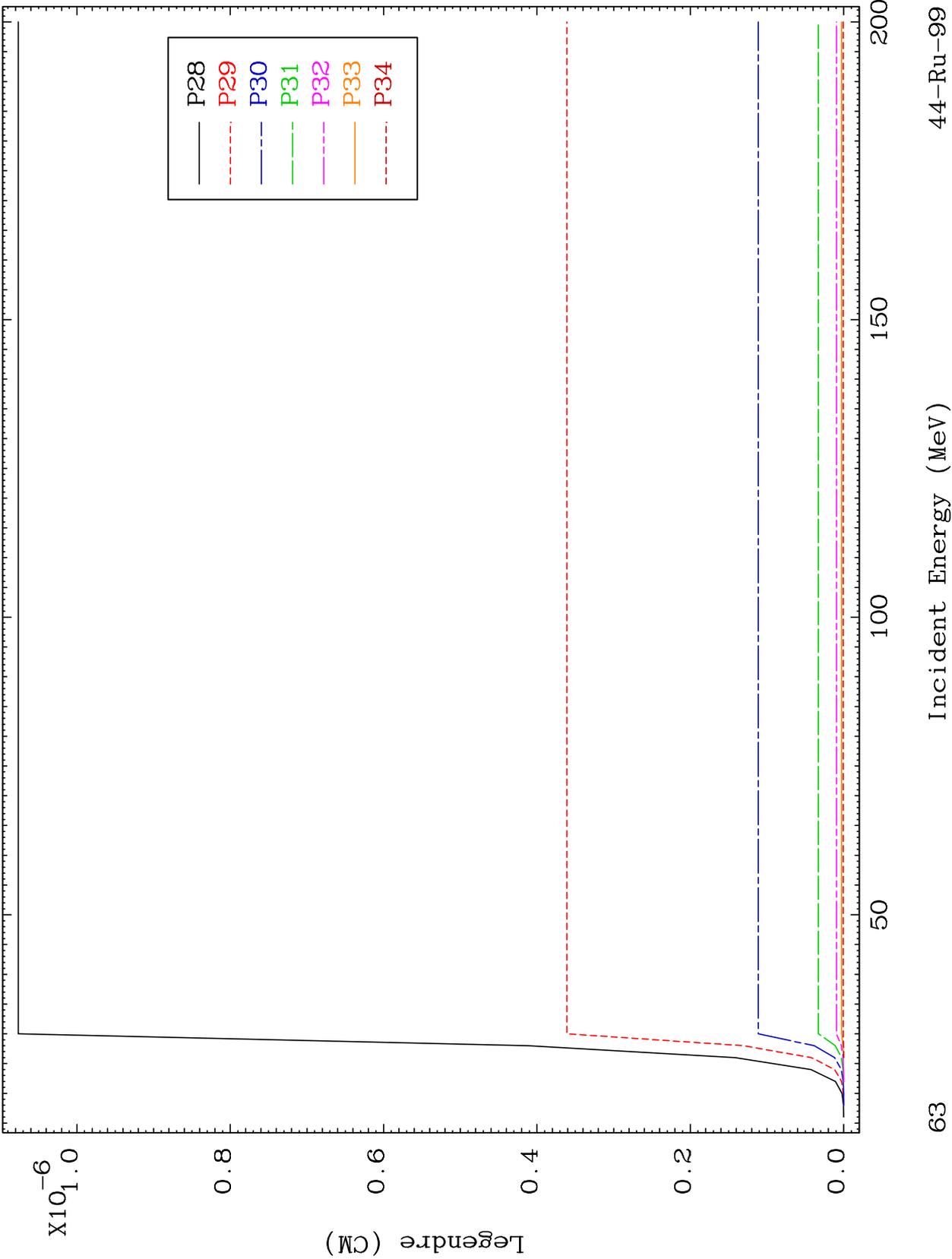
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



63

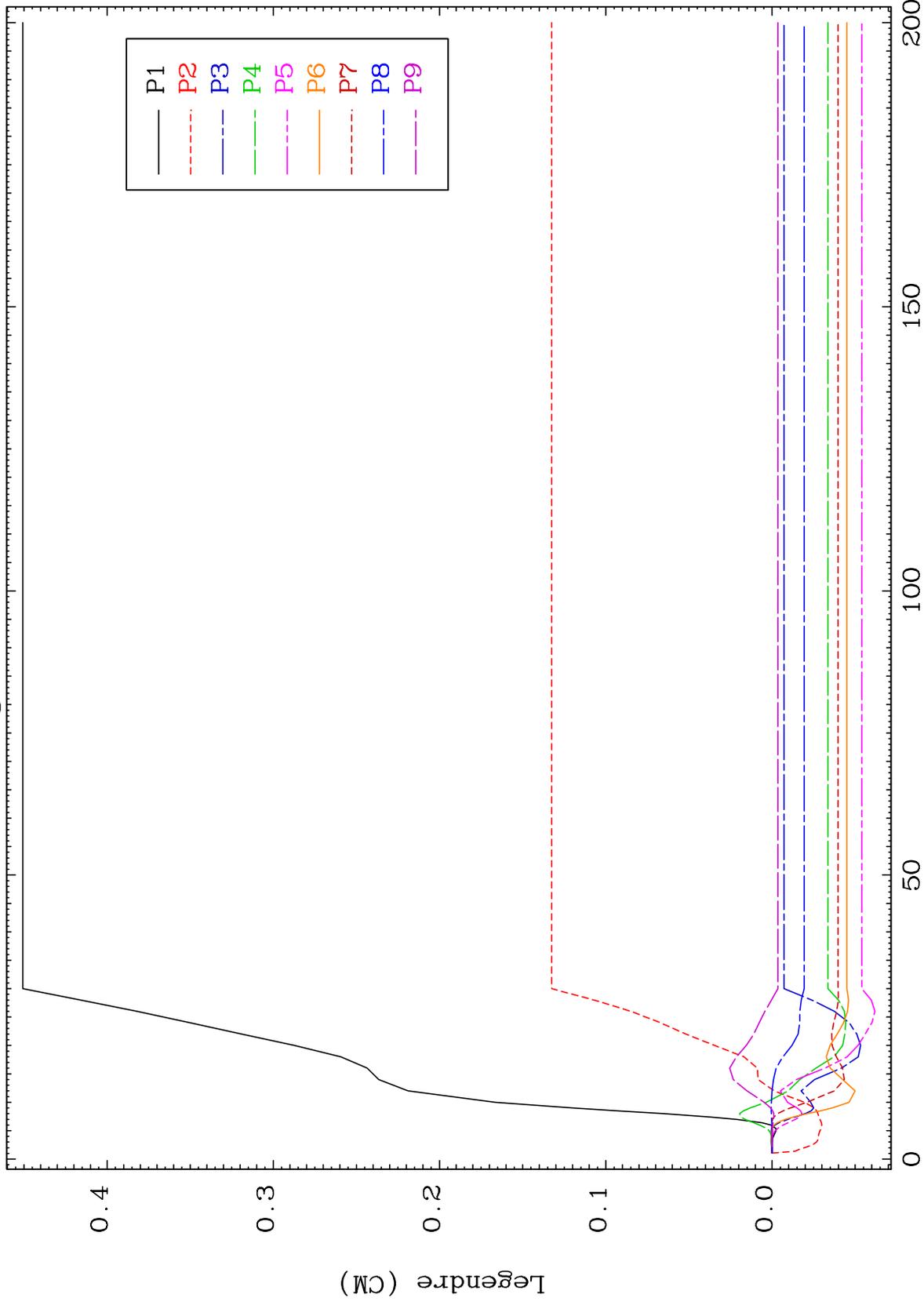
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



64

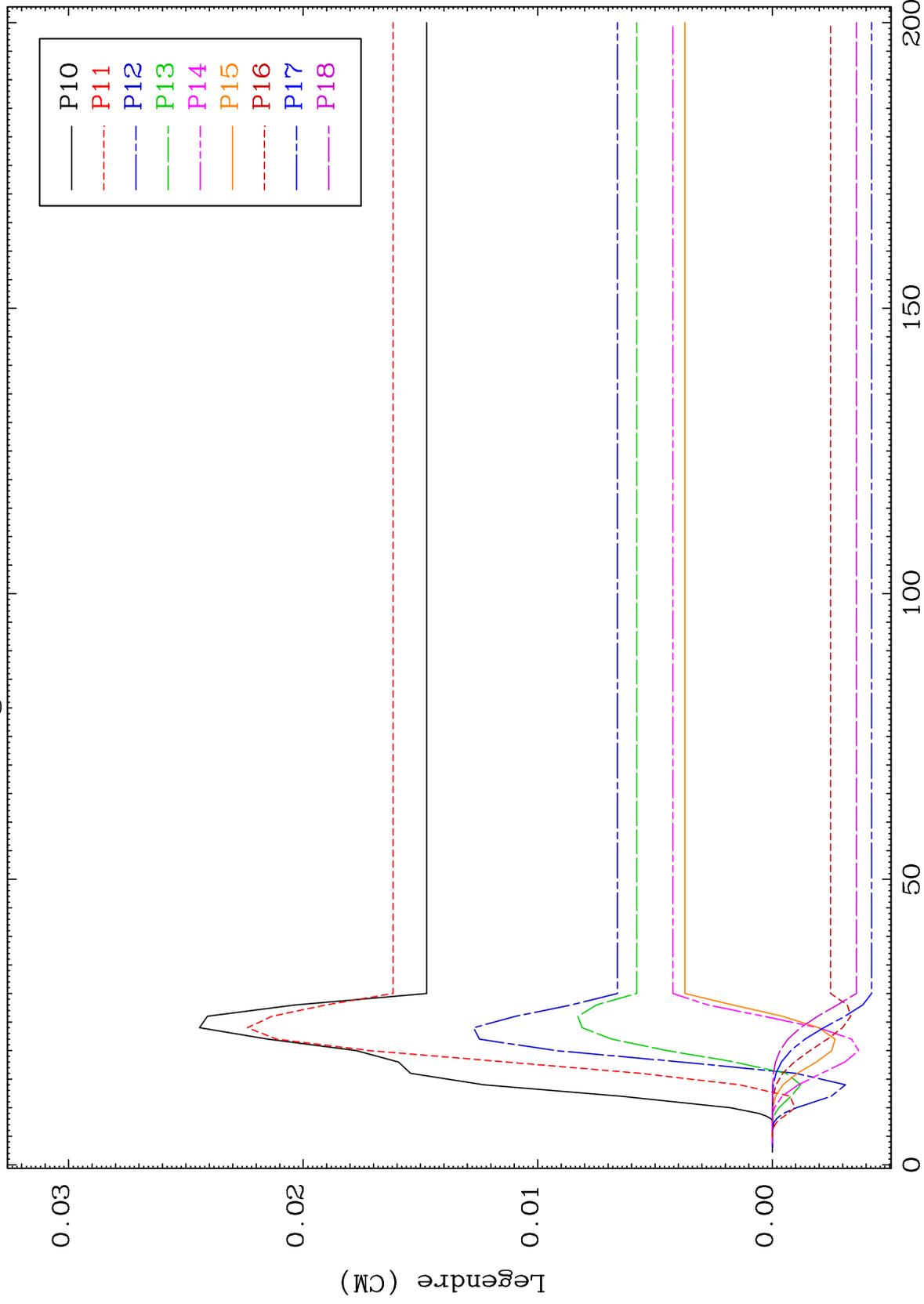
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

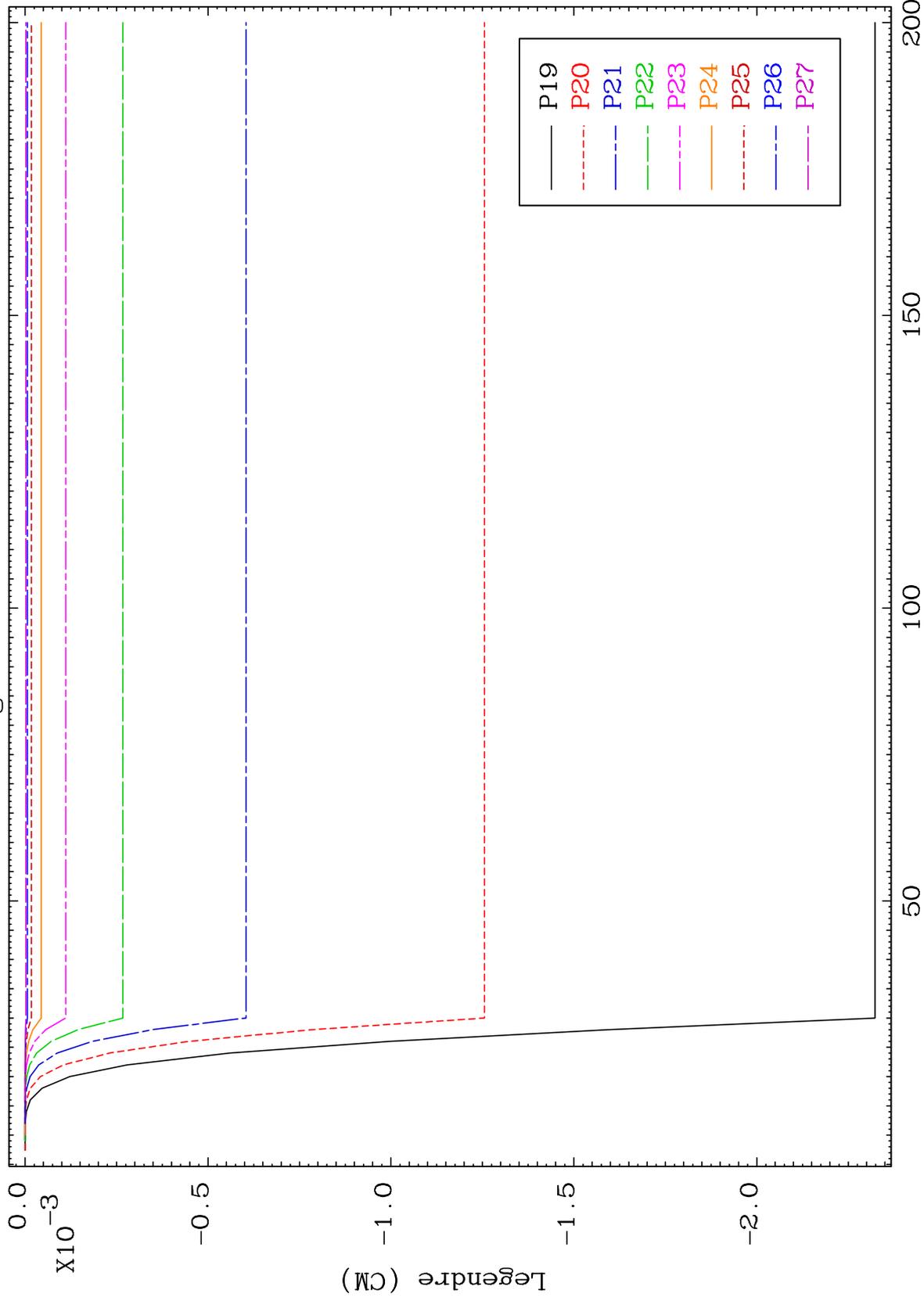
44-Ru-99

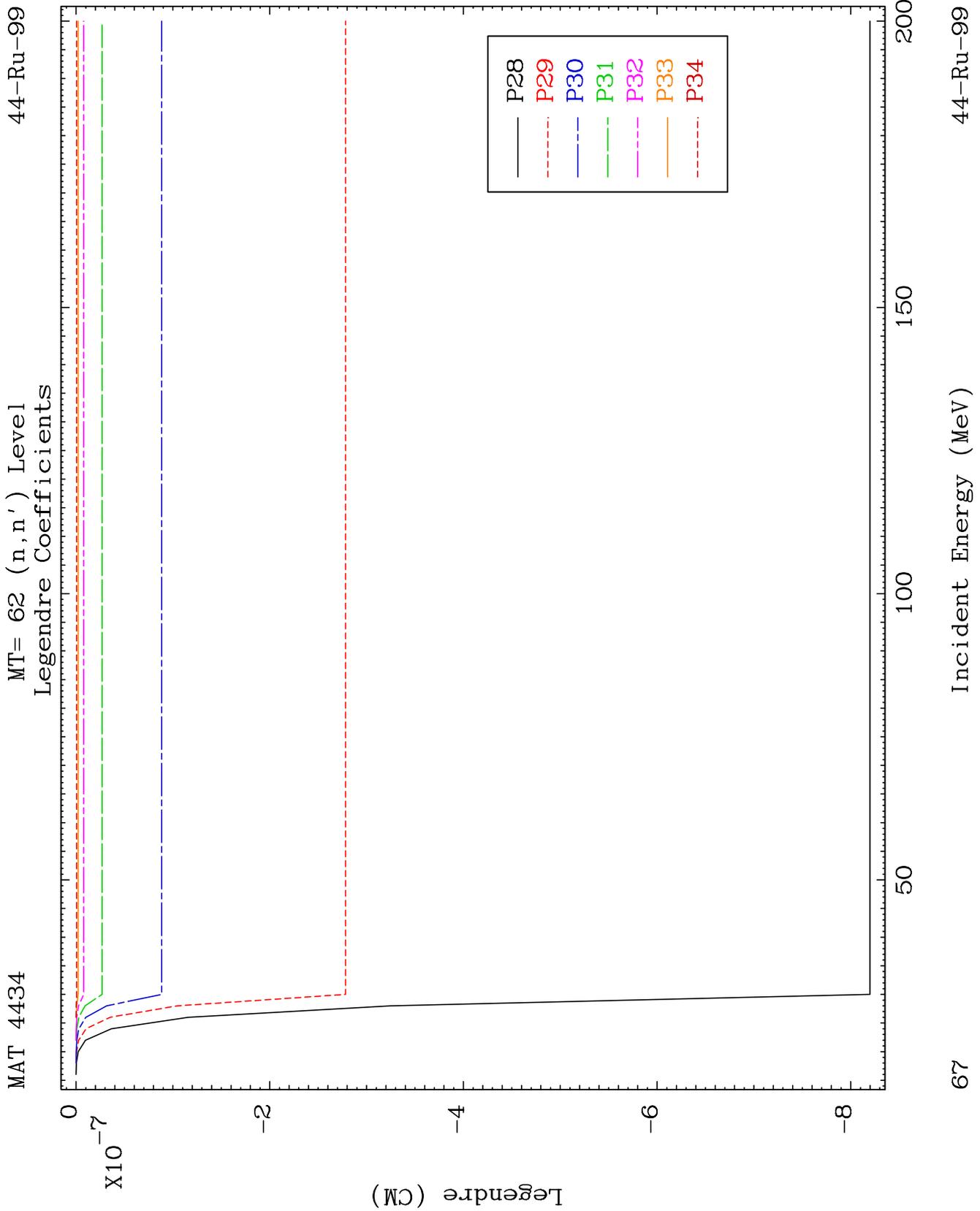


65

Incident Energy (MeV)

44-Ru-99

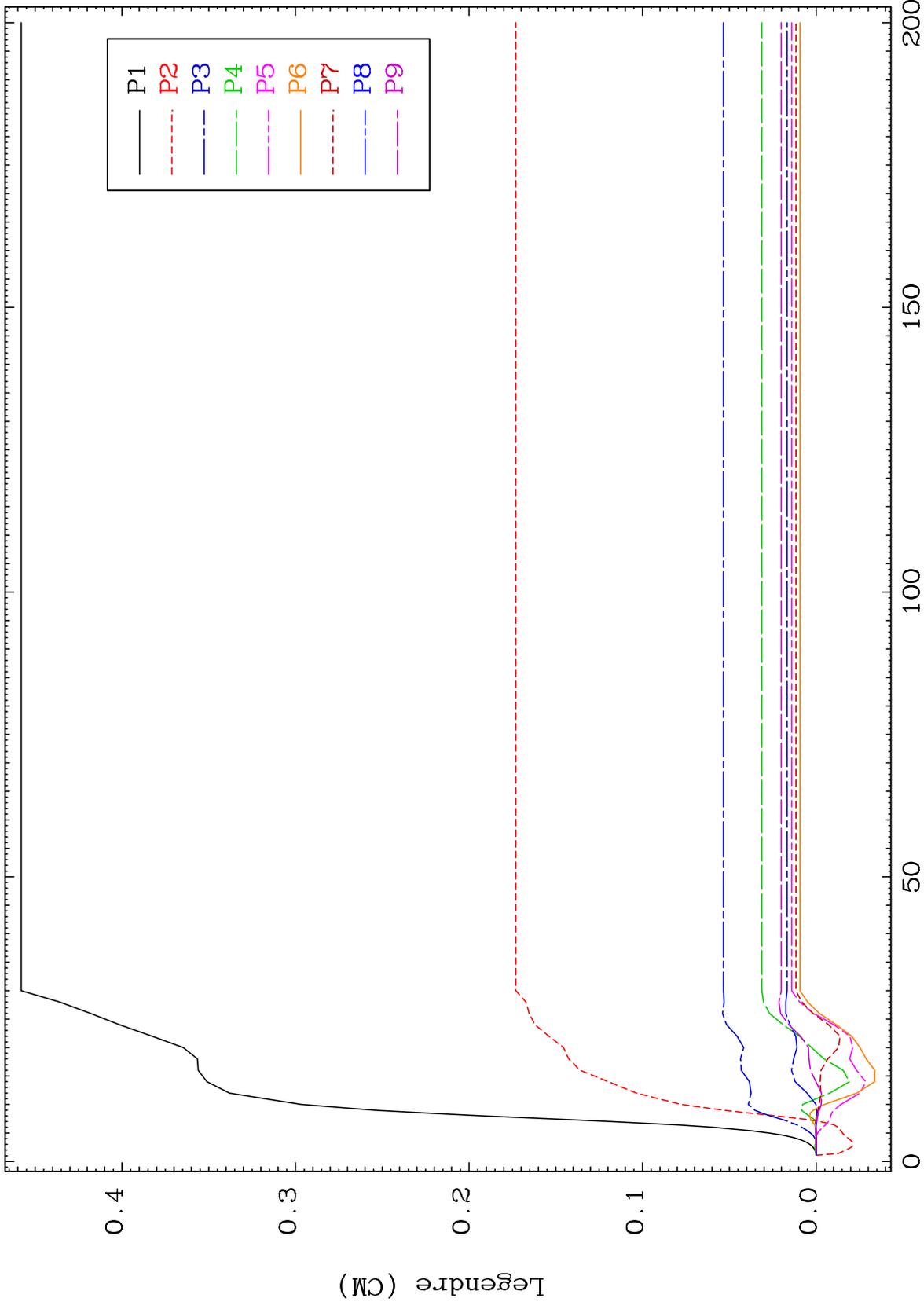




MAT 4434

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

44-Ru-99



68

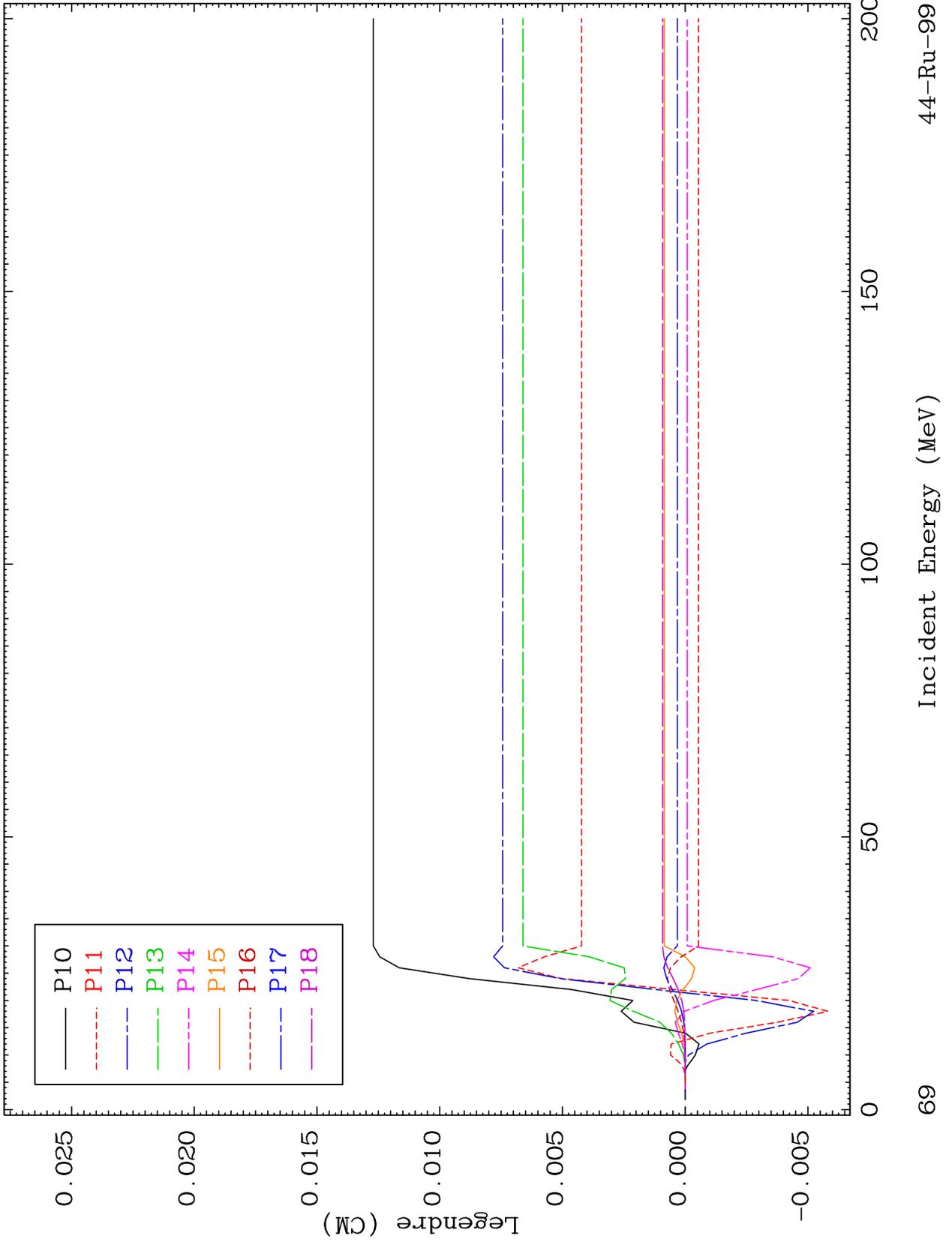
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



69

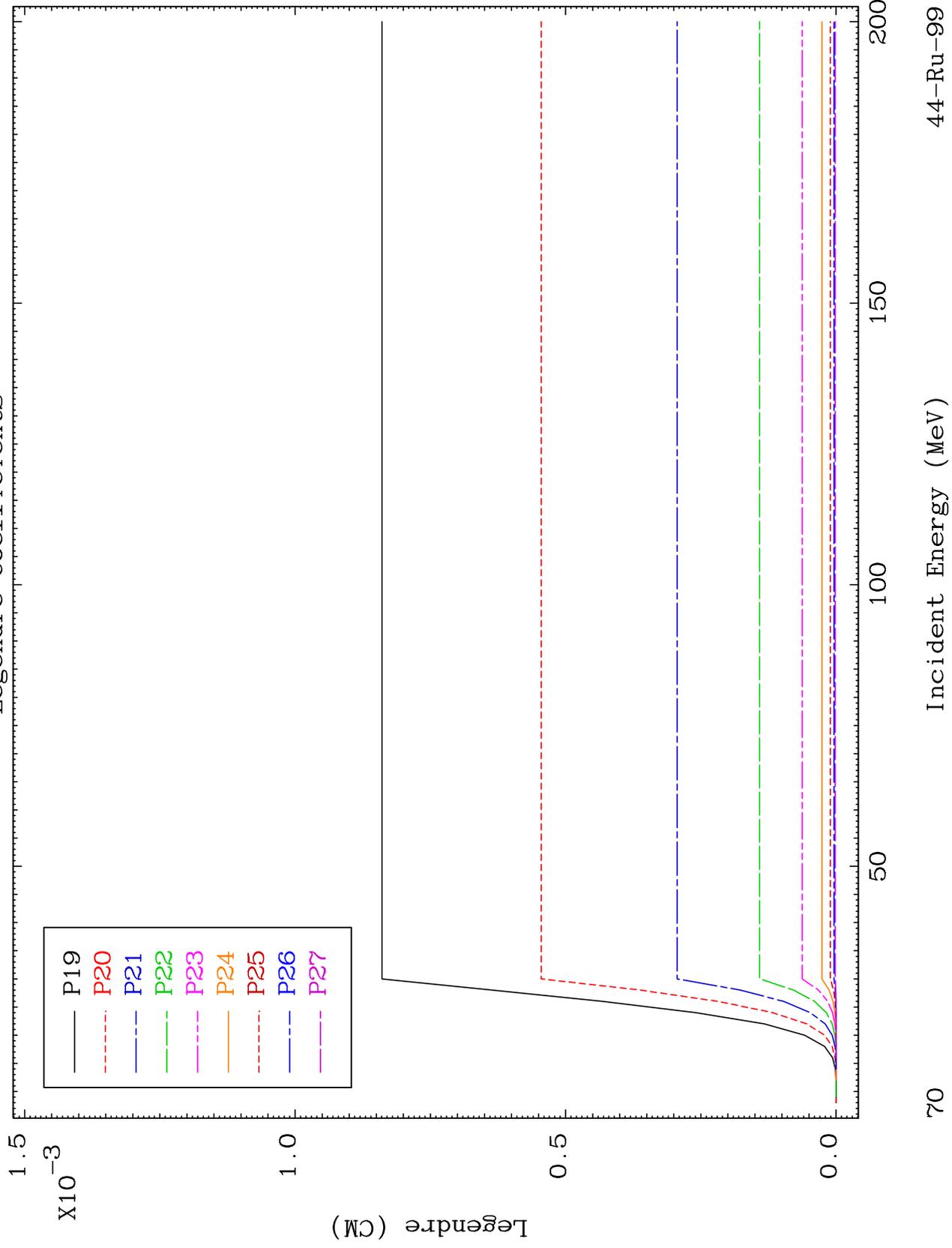
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



70

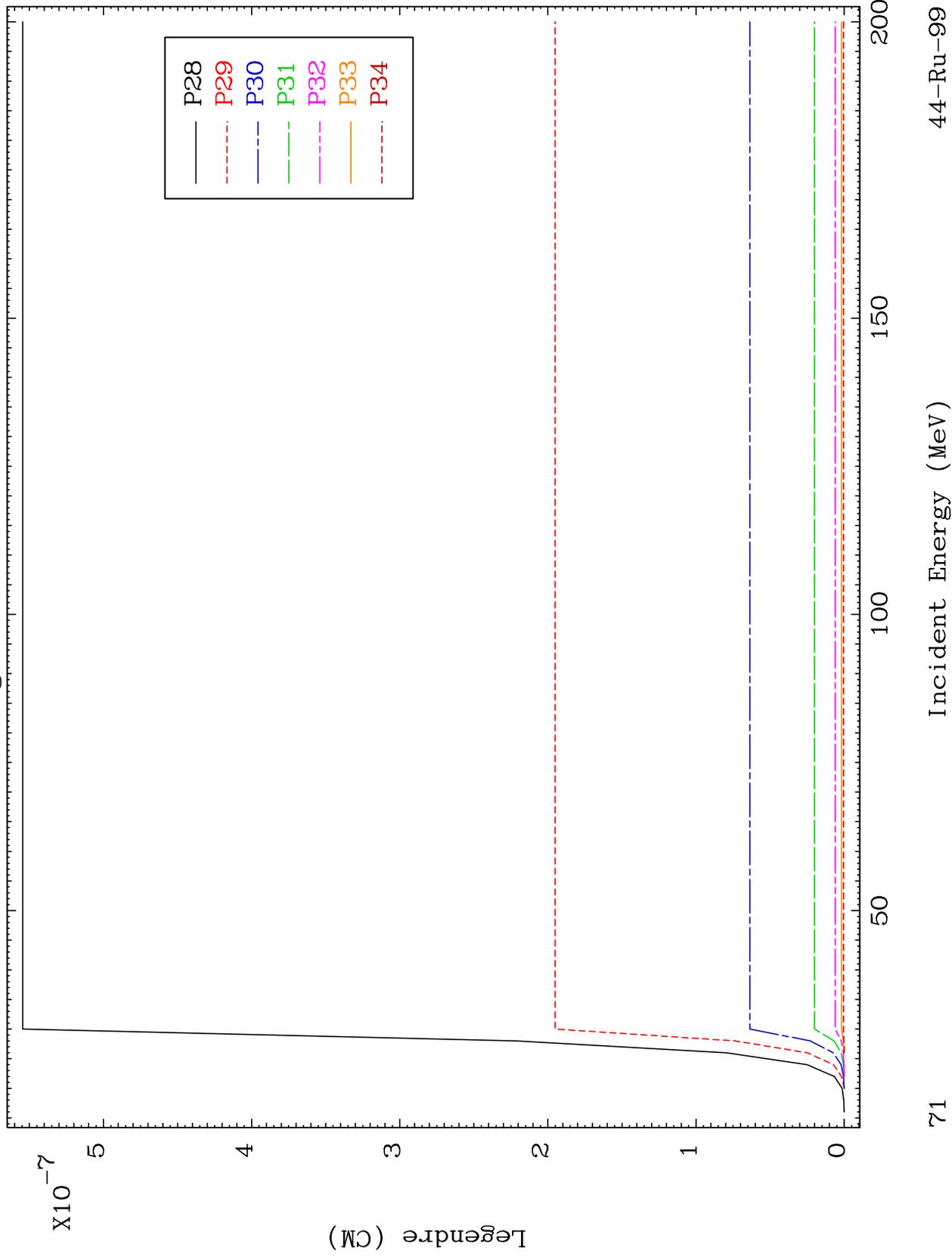
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99

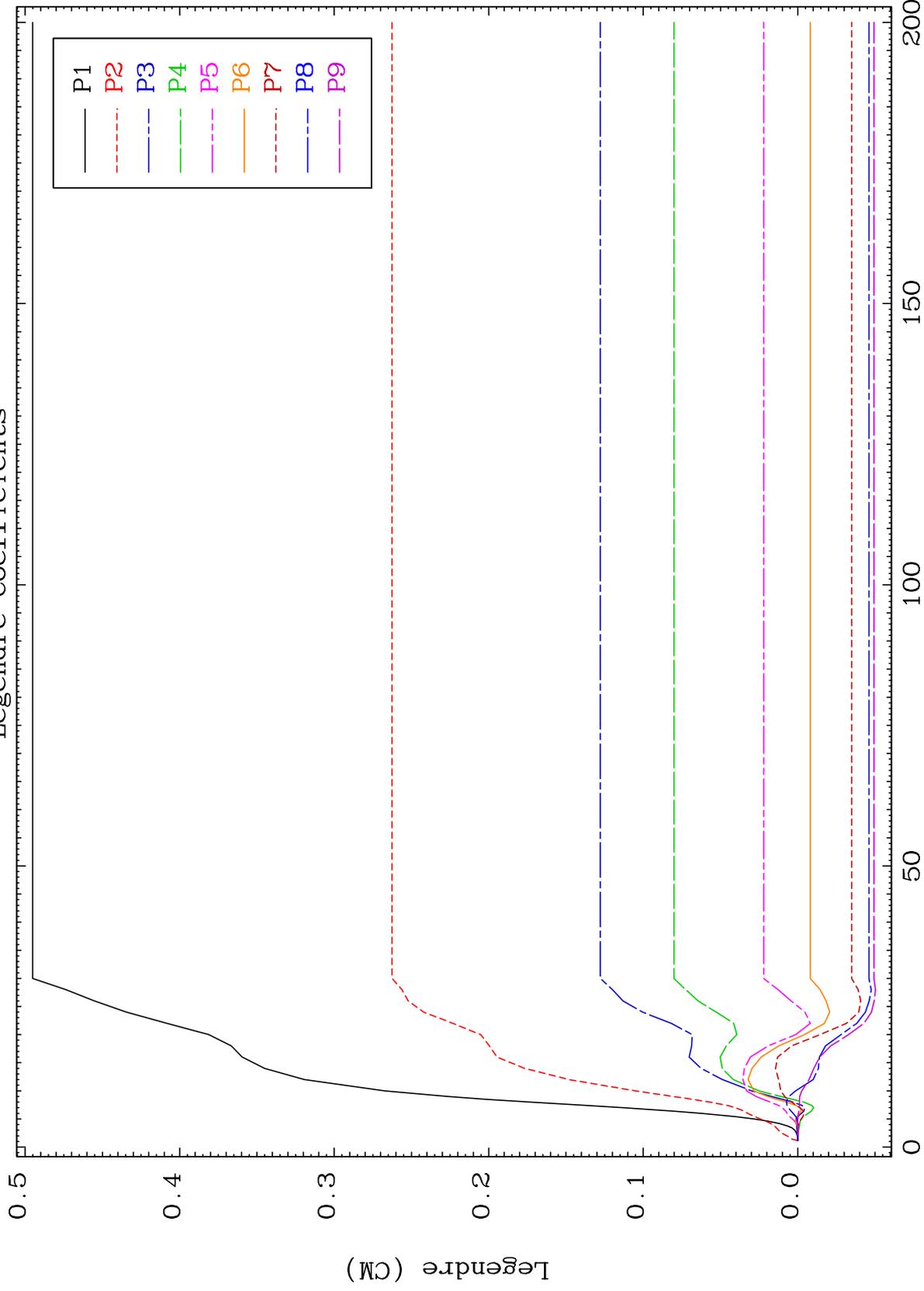


MAT 4434

MT= 64 (n,n') Level

44-Ru-99

Legendre Coefficients



72

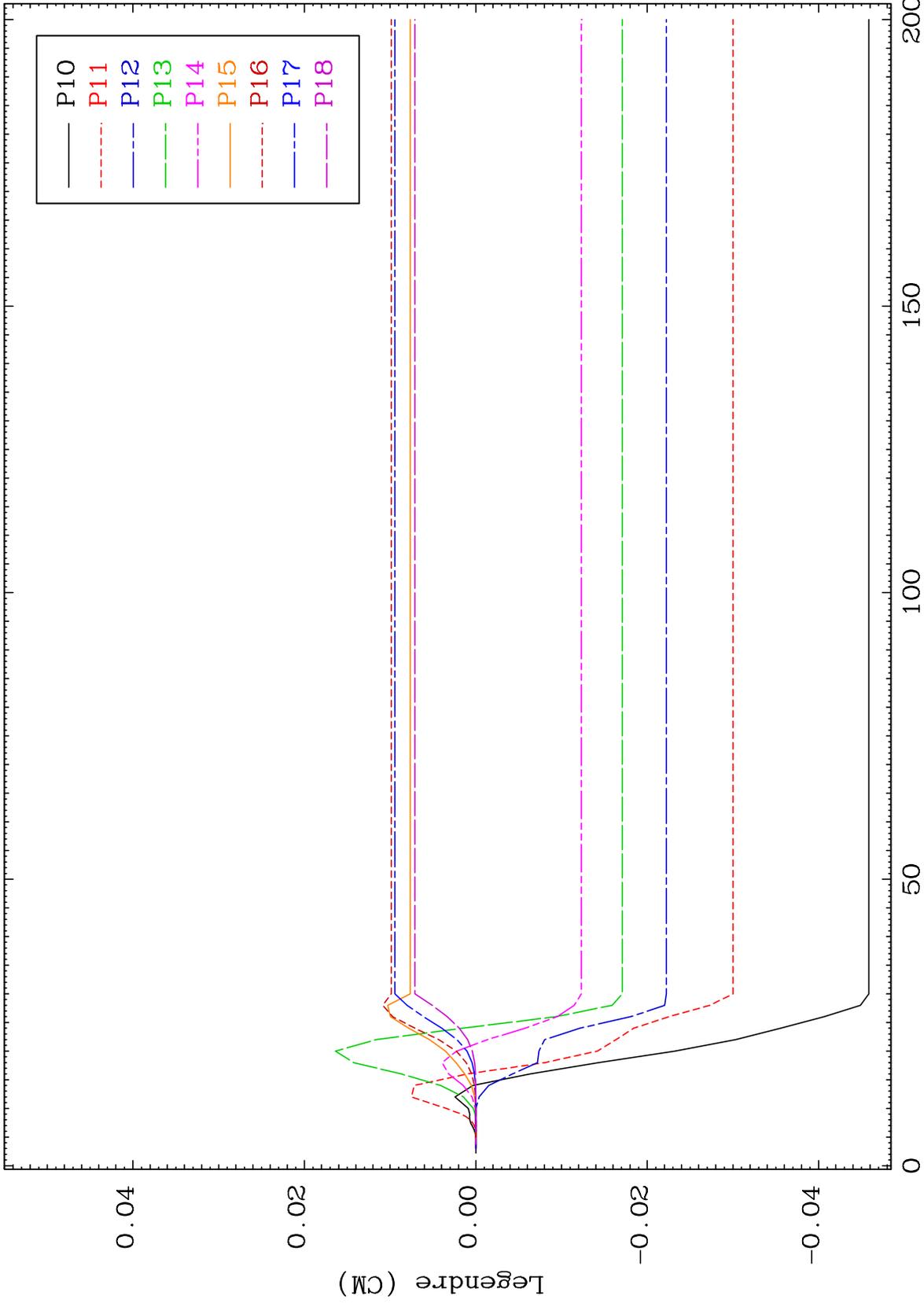
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



73

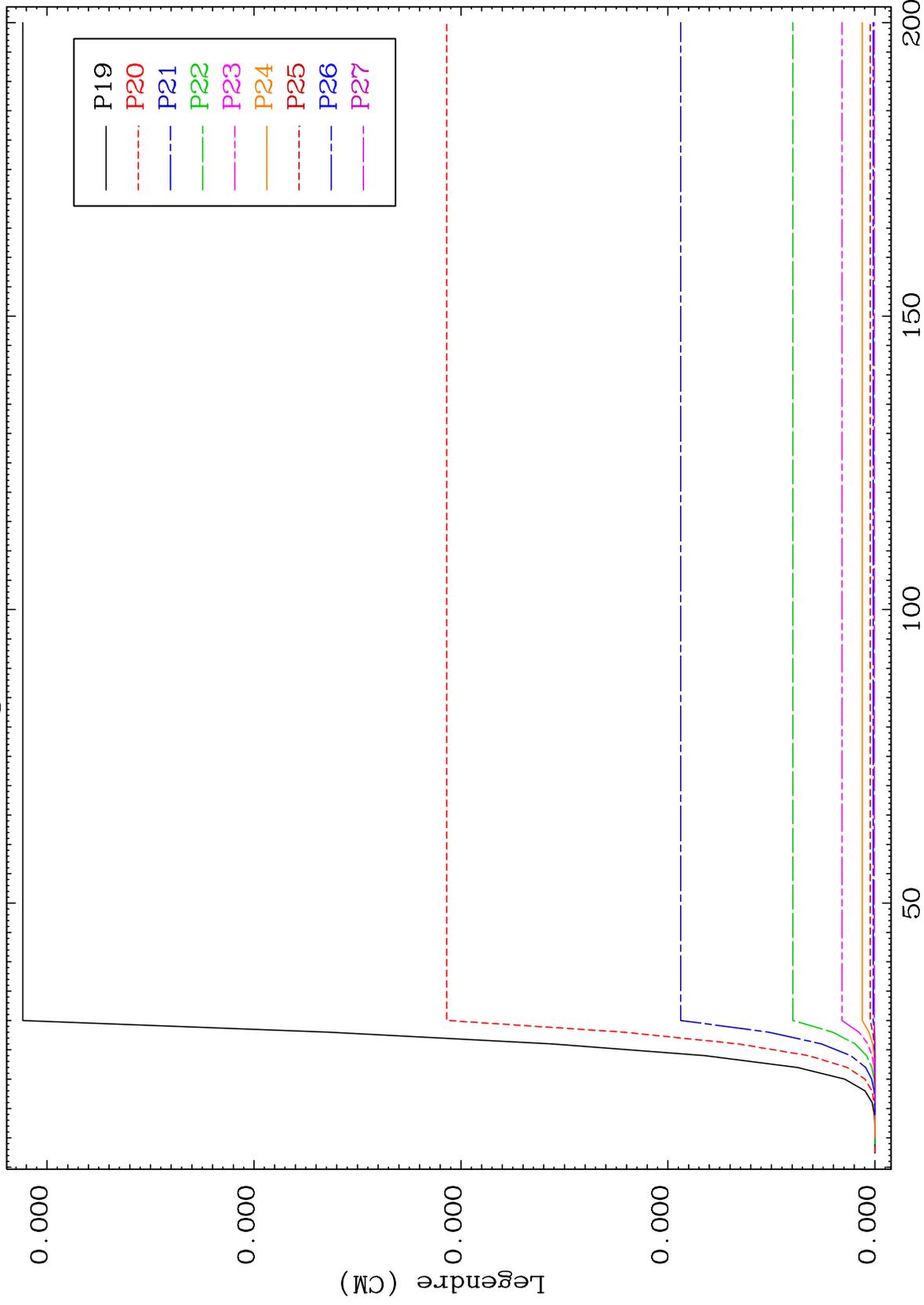
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



74

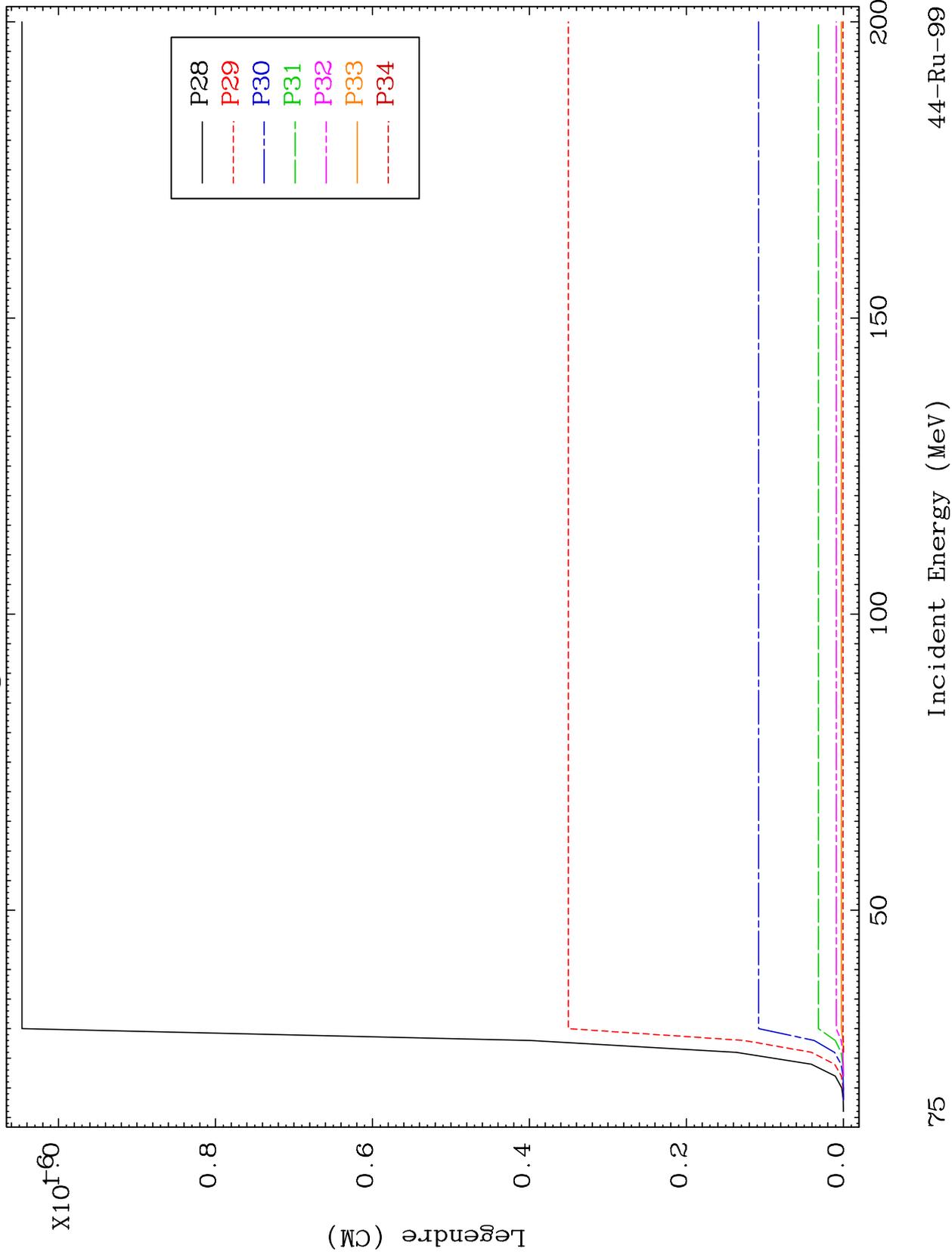
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



75

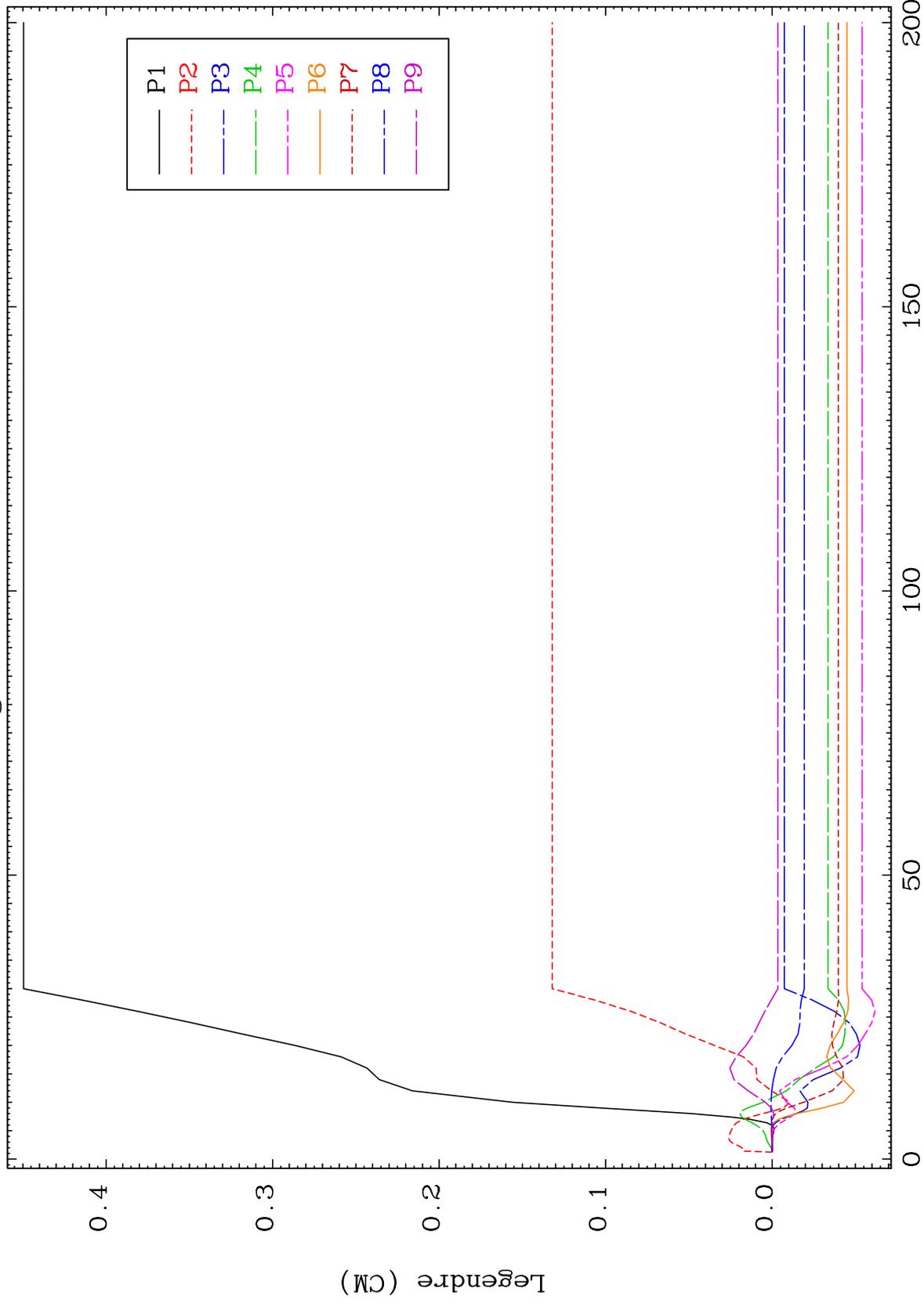
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



76

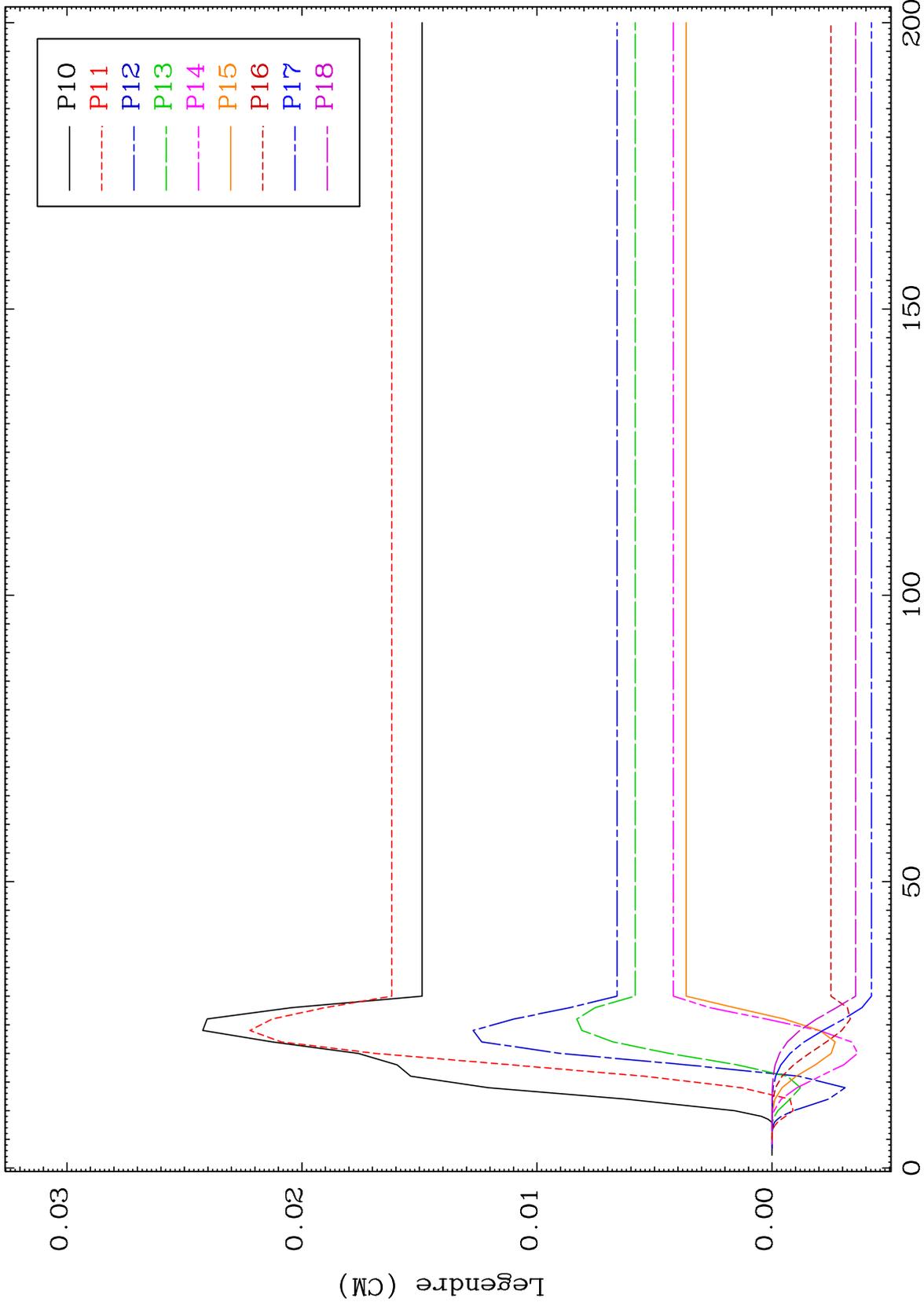
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

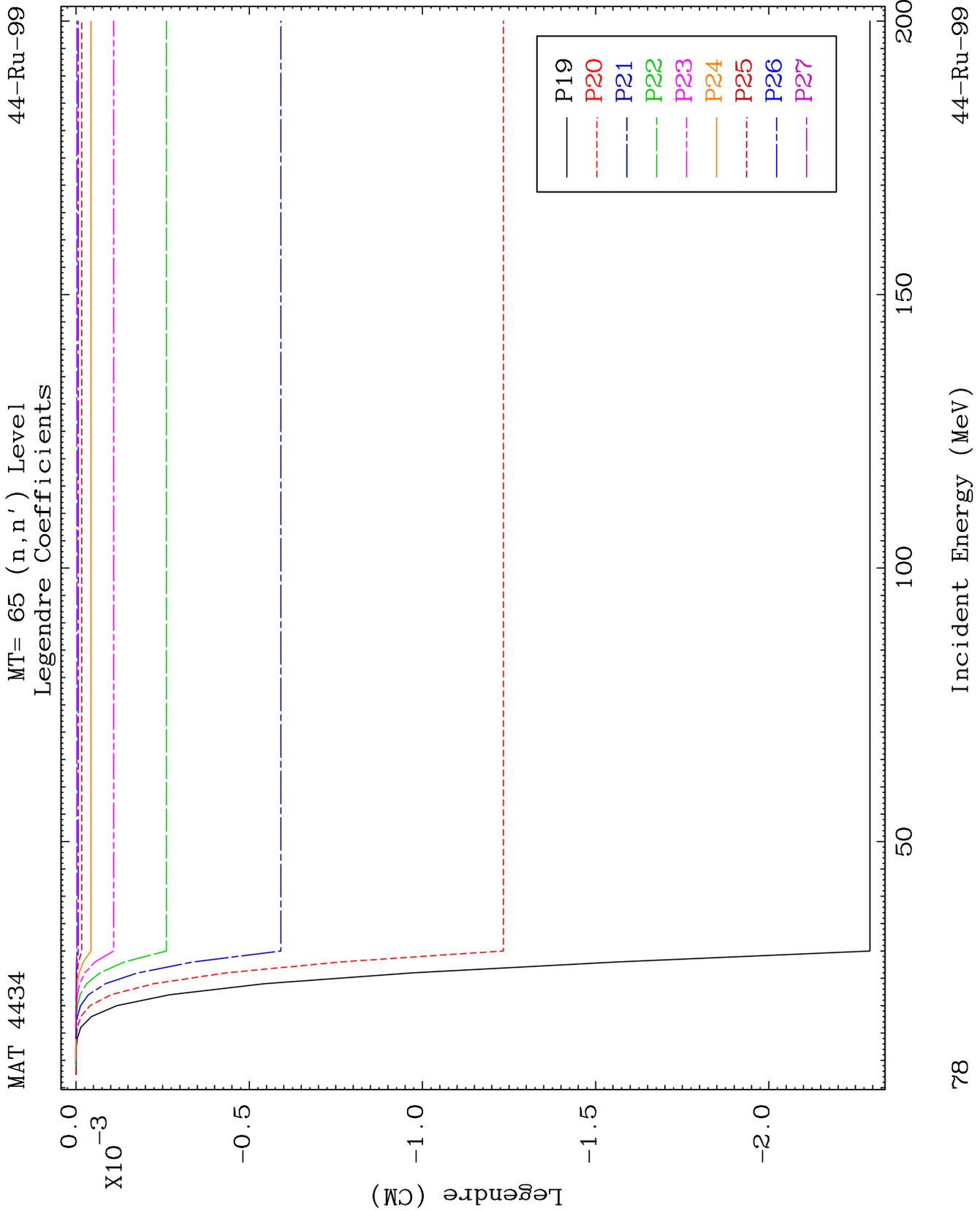
44-Ru-99

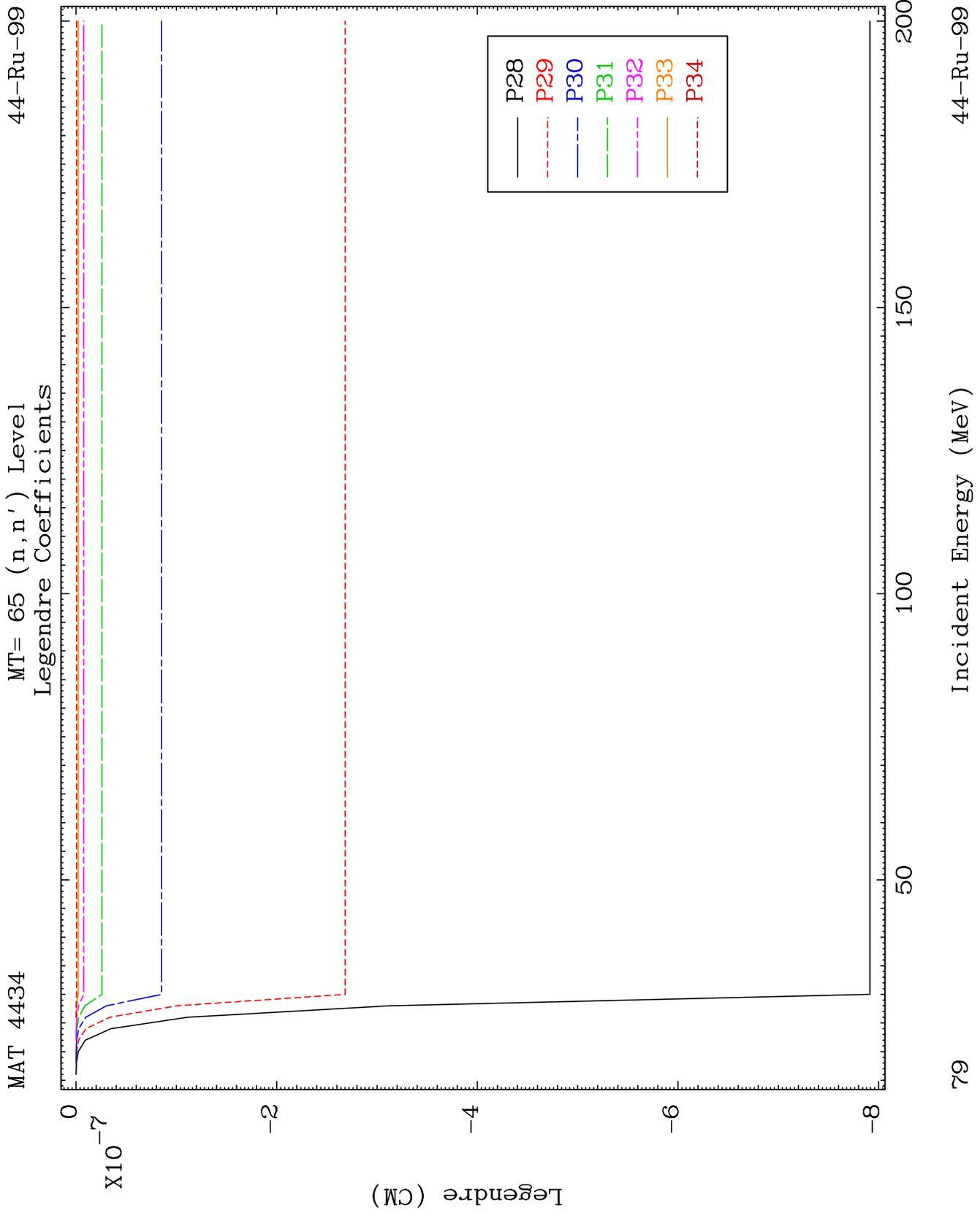


77

Incident Energy (MeV)

44-Ru-99

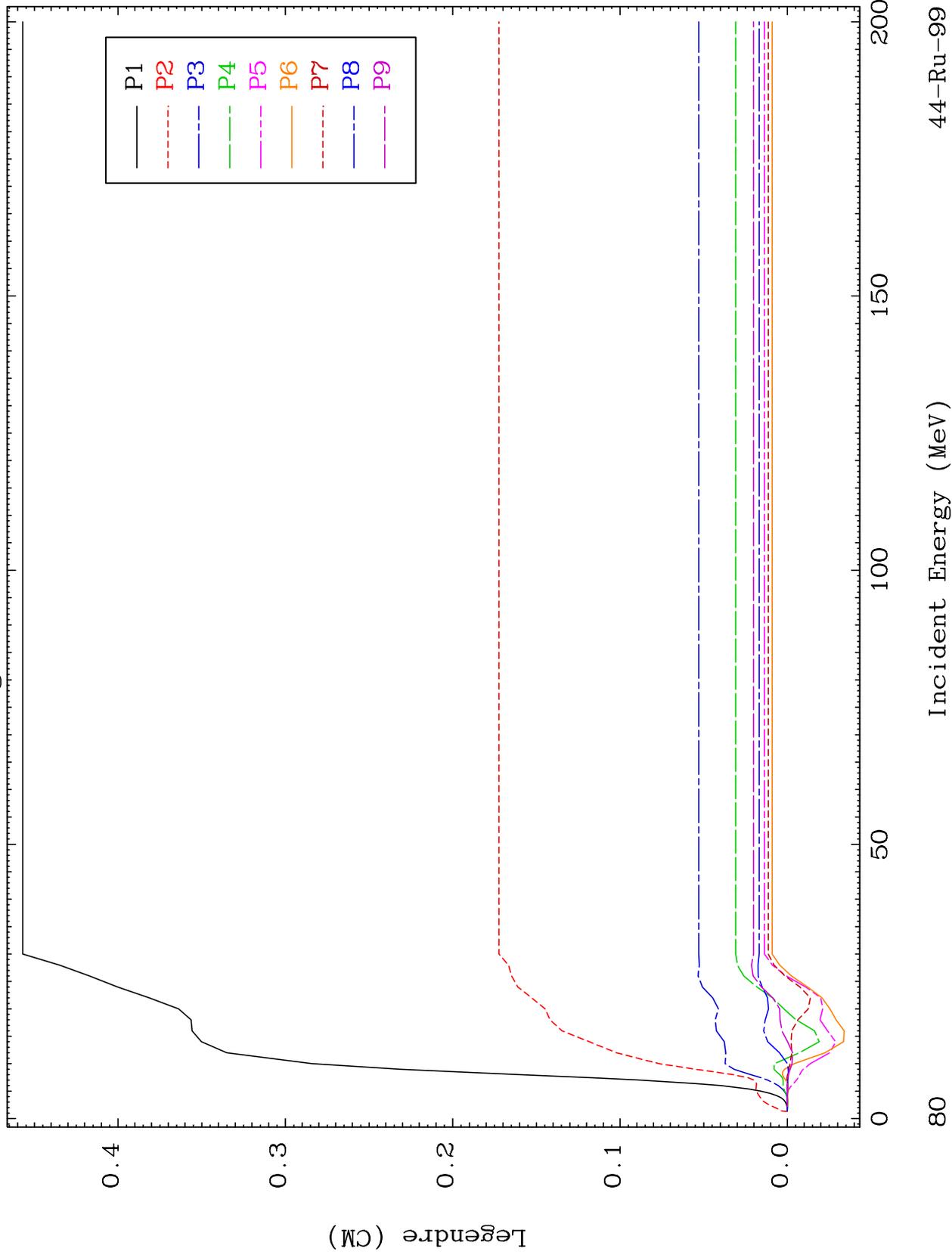




MAT 4434

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

44-Ru-99

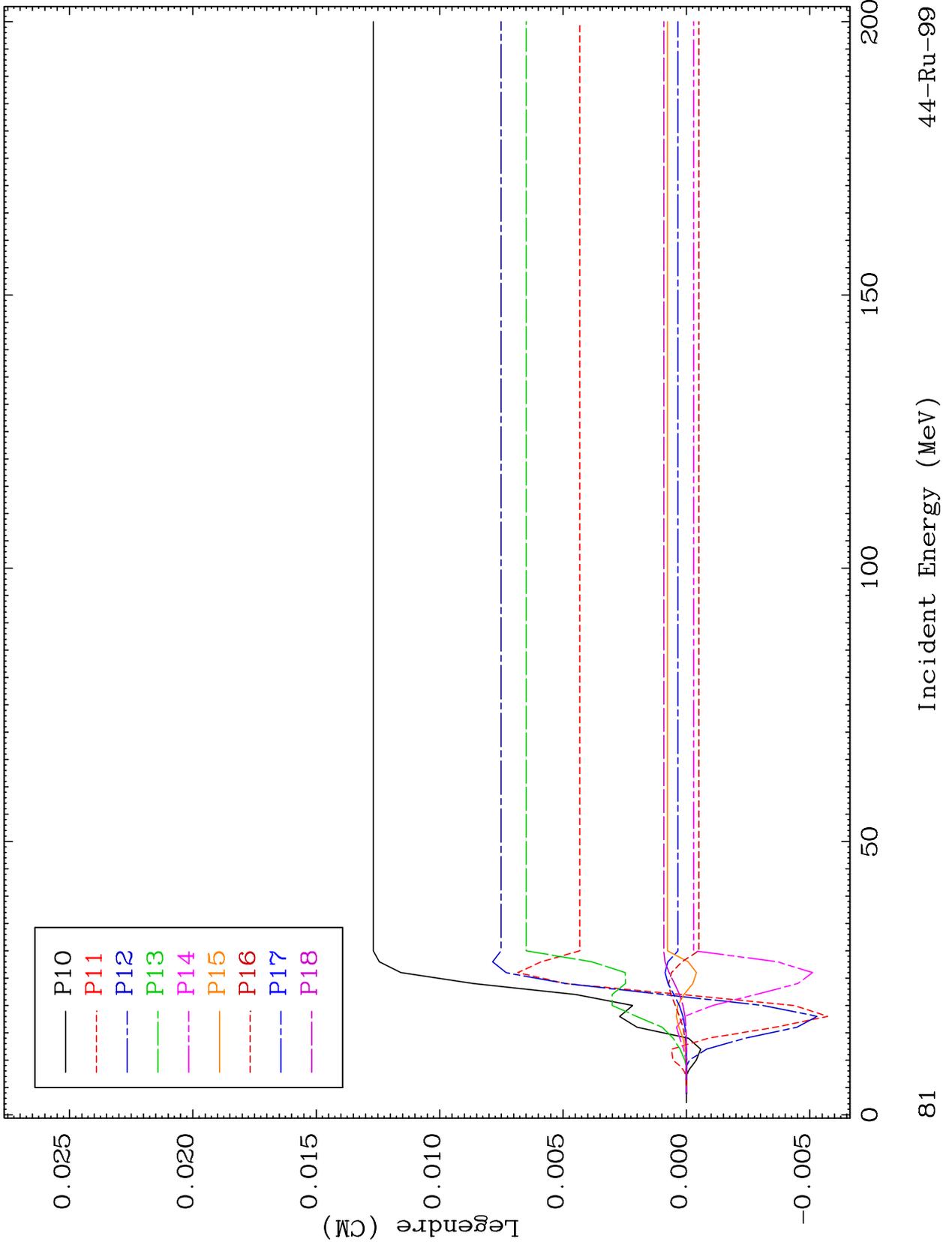


44-Ru-99

MAT 4434

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

44-Ru-99



81

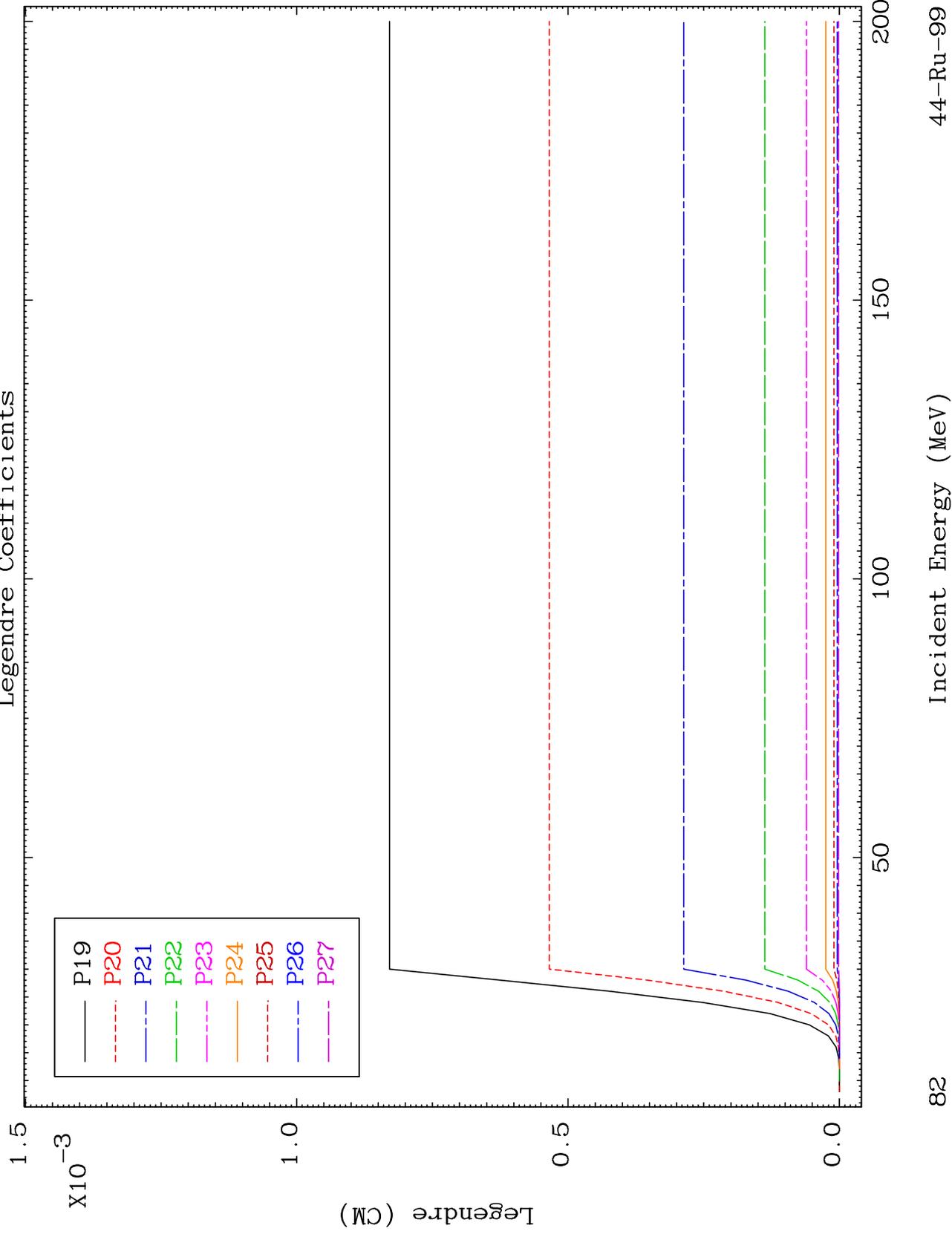
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



82

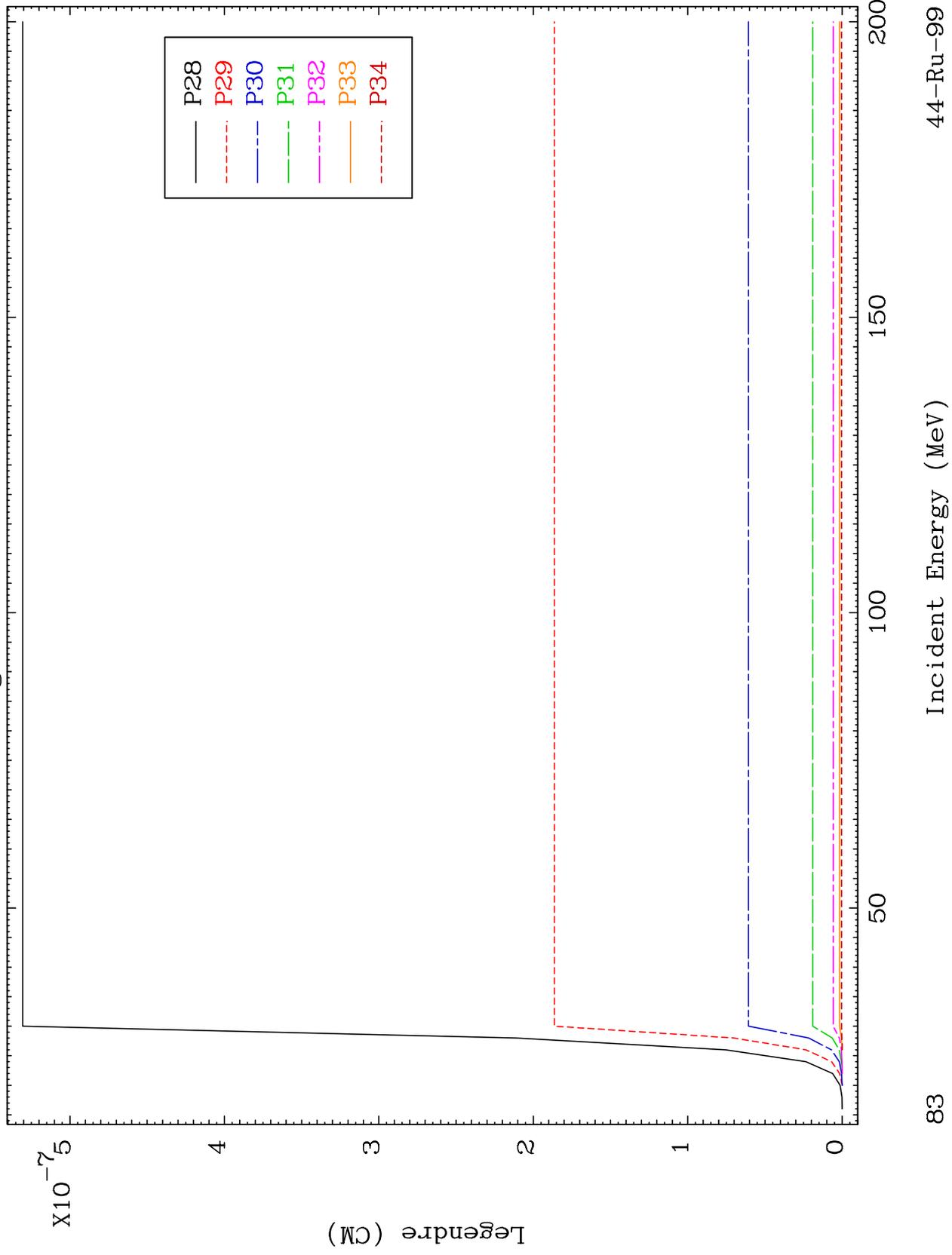
Incident Energy (MeV)

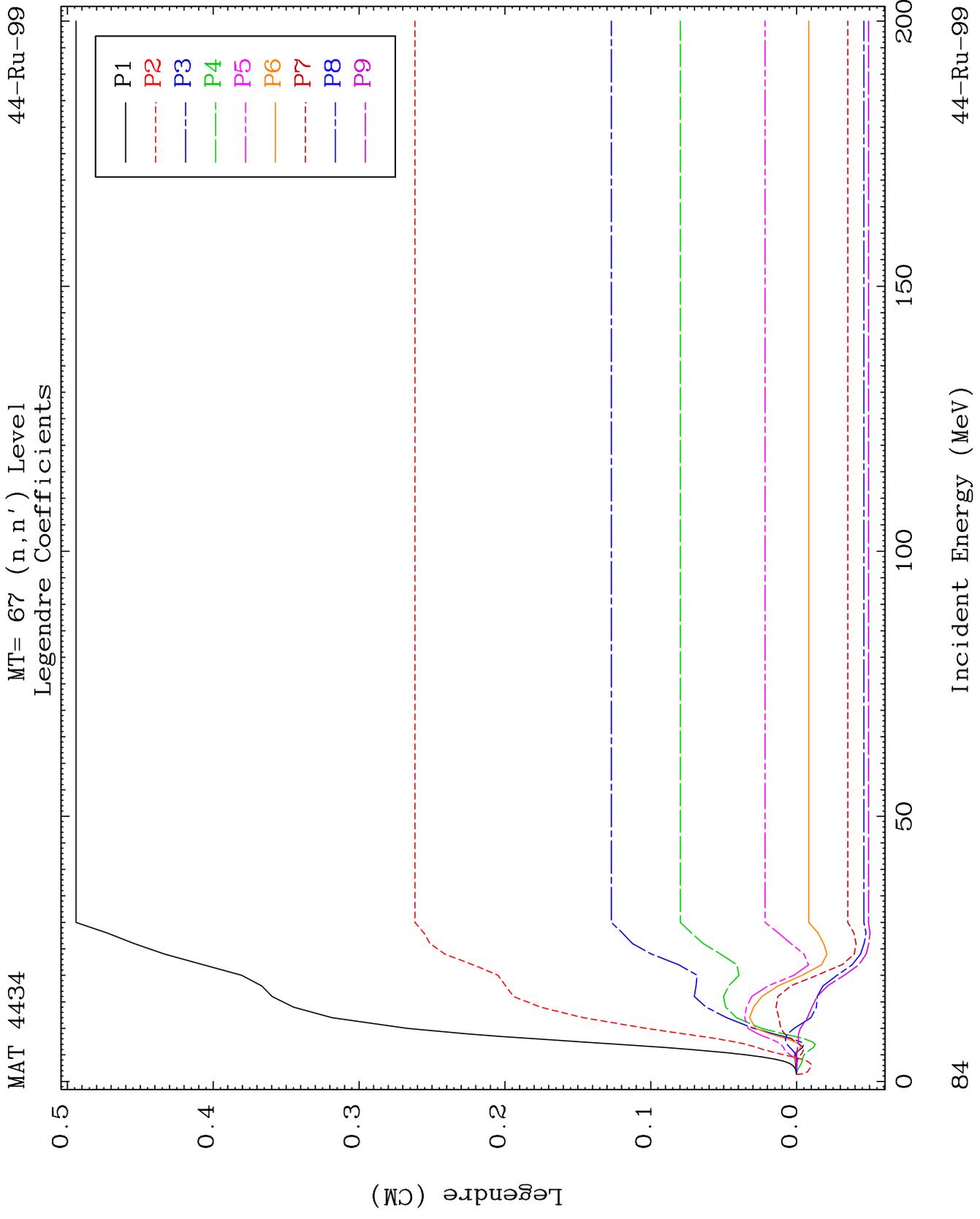
44-Ru-99

MAT 4434

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

44-Ru-99

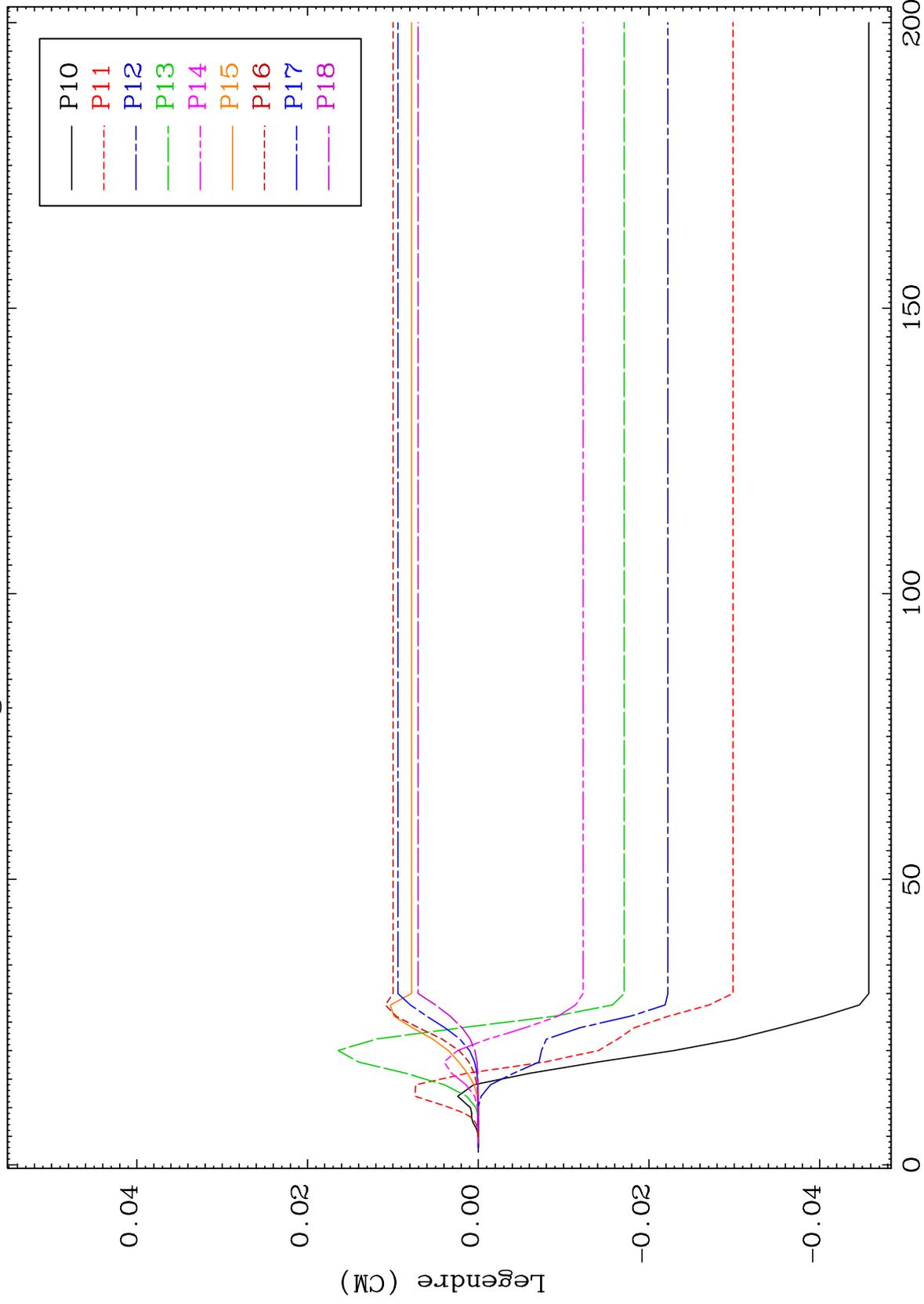




MAT 4434

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

44-Ru-99



85

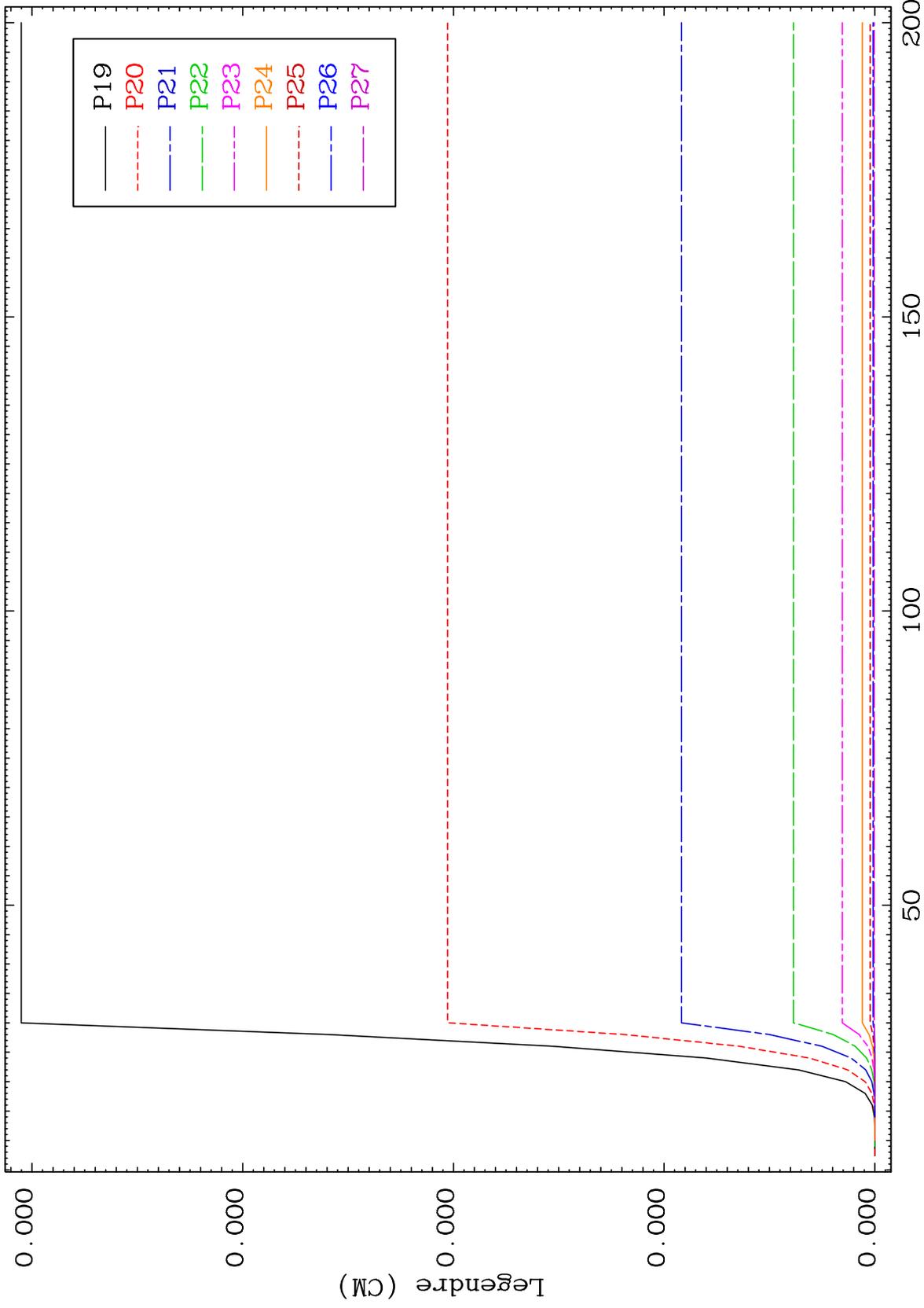
44-Ru-99

44-Ru-99

MAT 4434

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

44-Ru-99



86

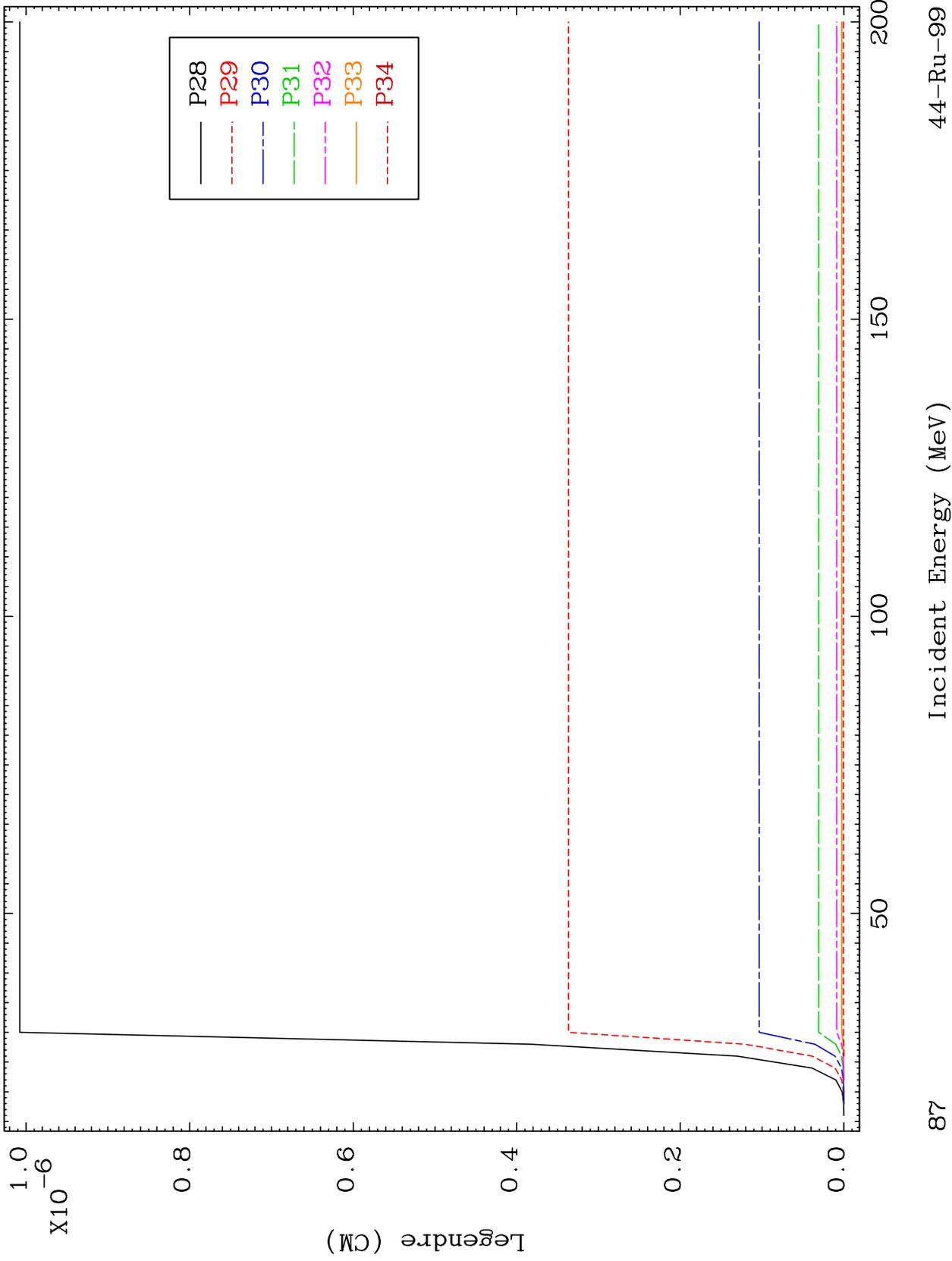
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

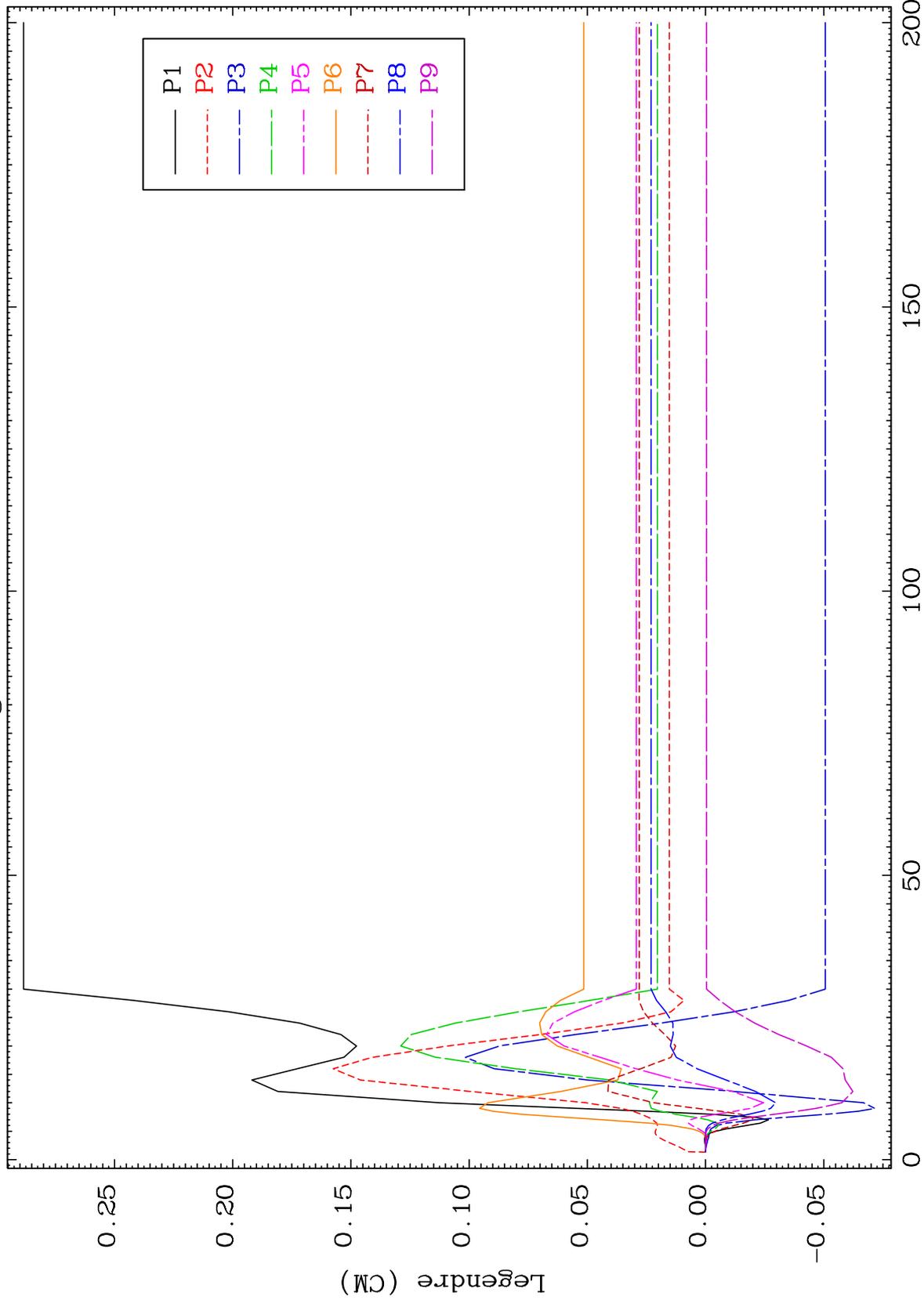
44-Ru-99



MAT 4434

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

44-Ru-99



88

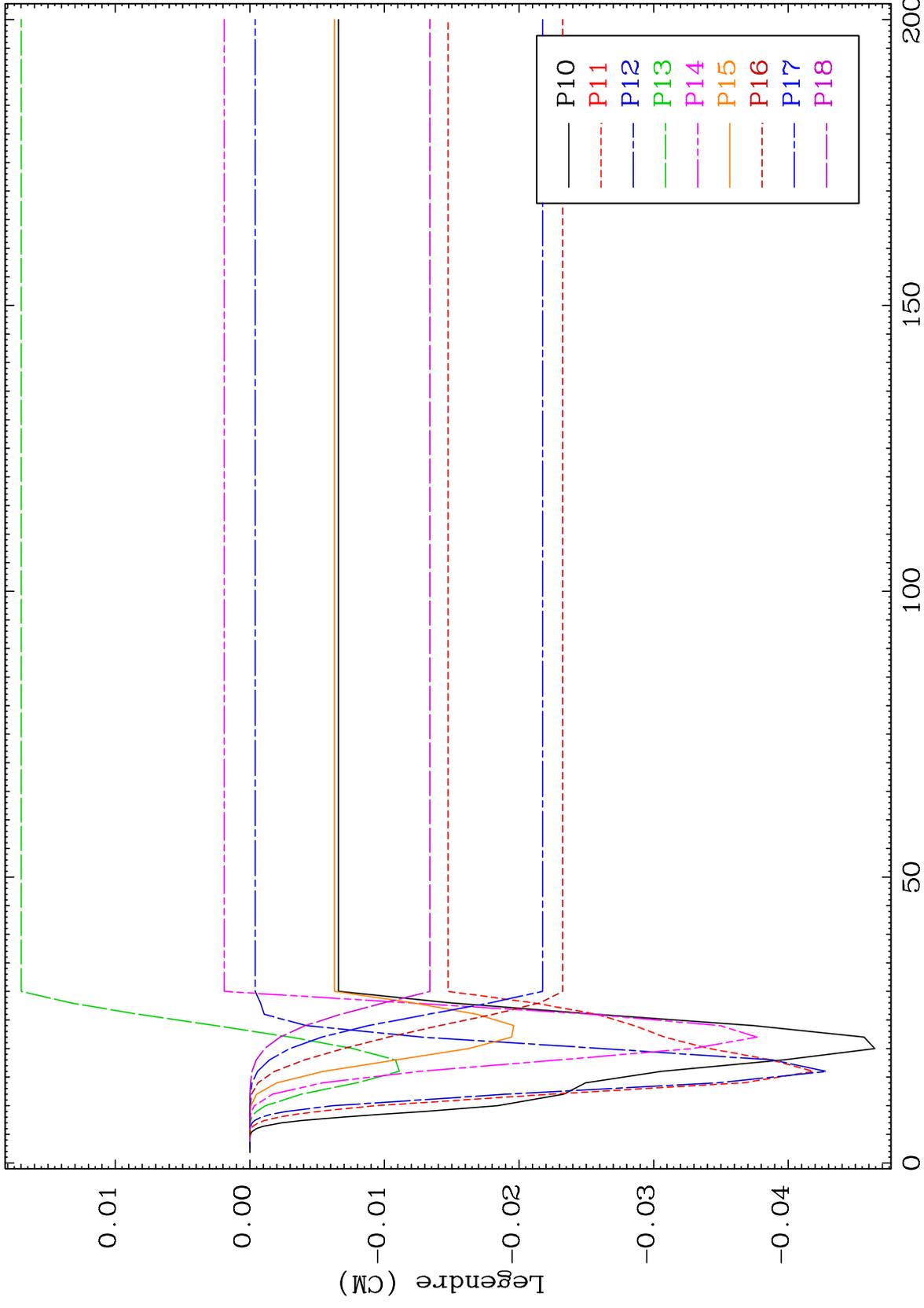
Incident Energy (MeV)

44-Ru-99

MAT 4434

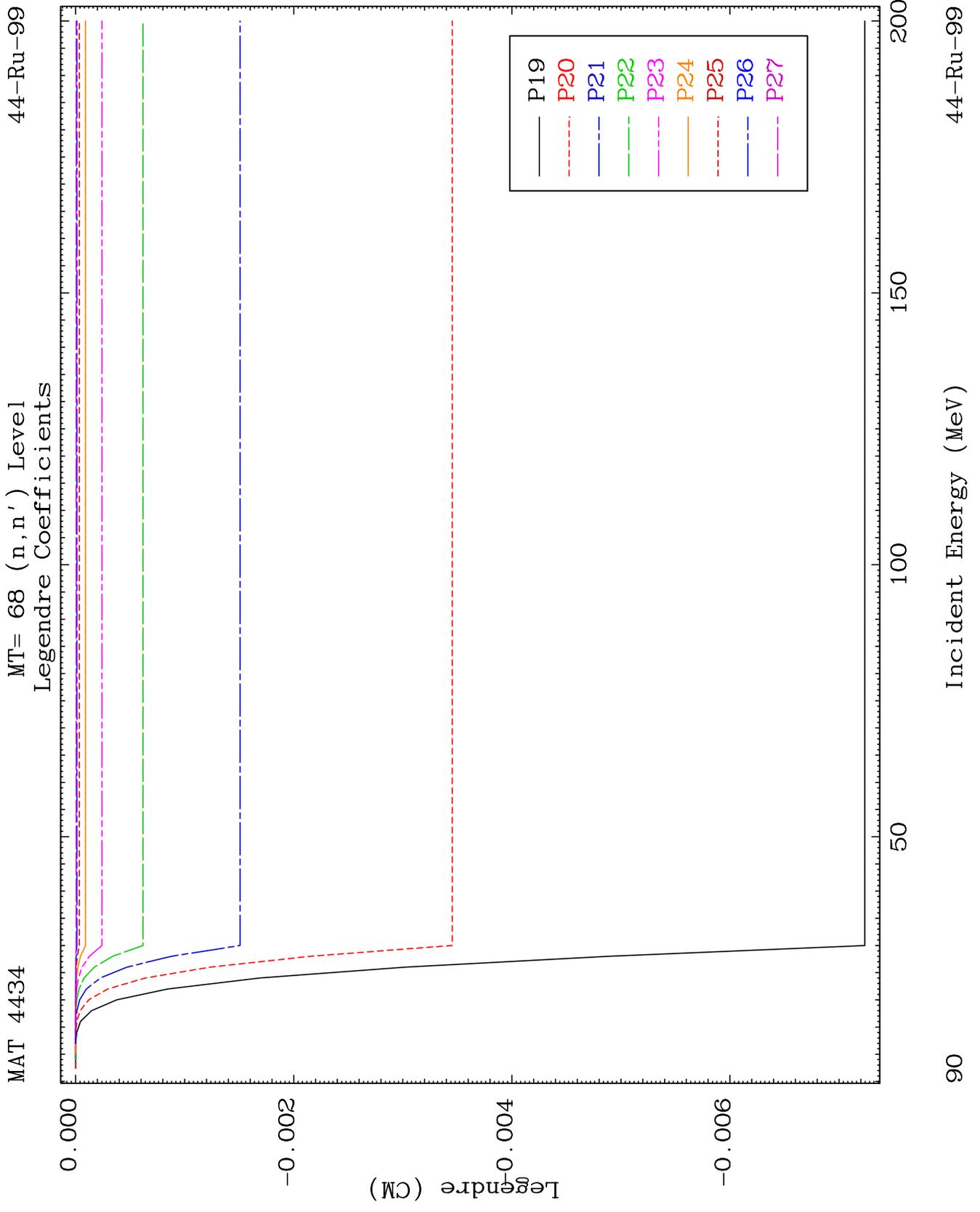
MT= 68 (n,n') Level
Legendre Coefficients

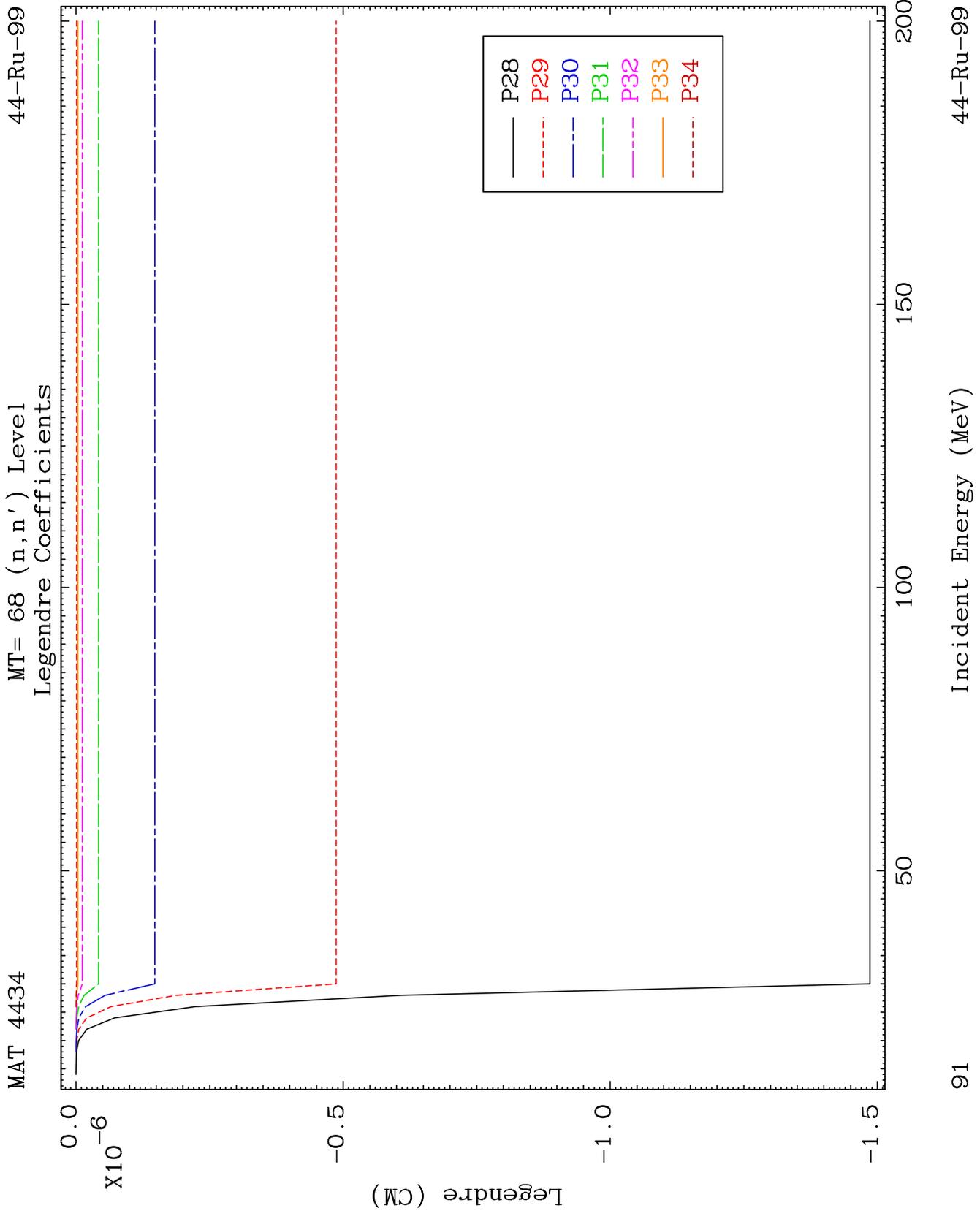
44-Ru-99

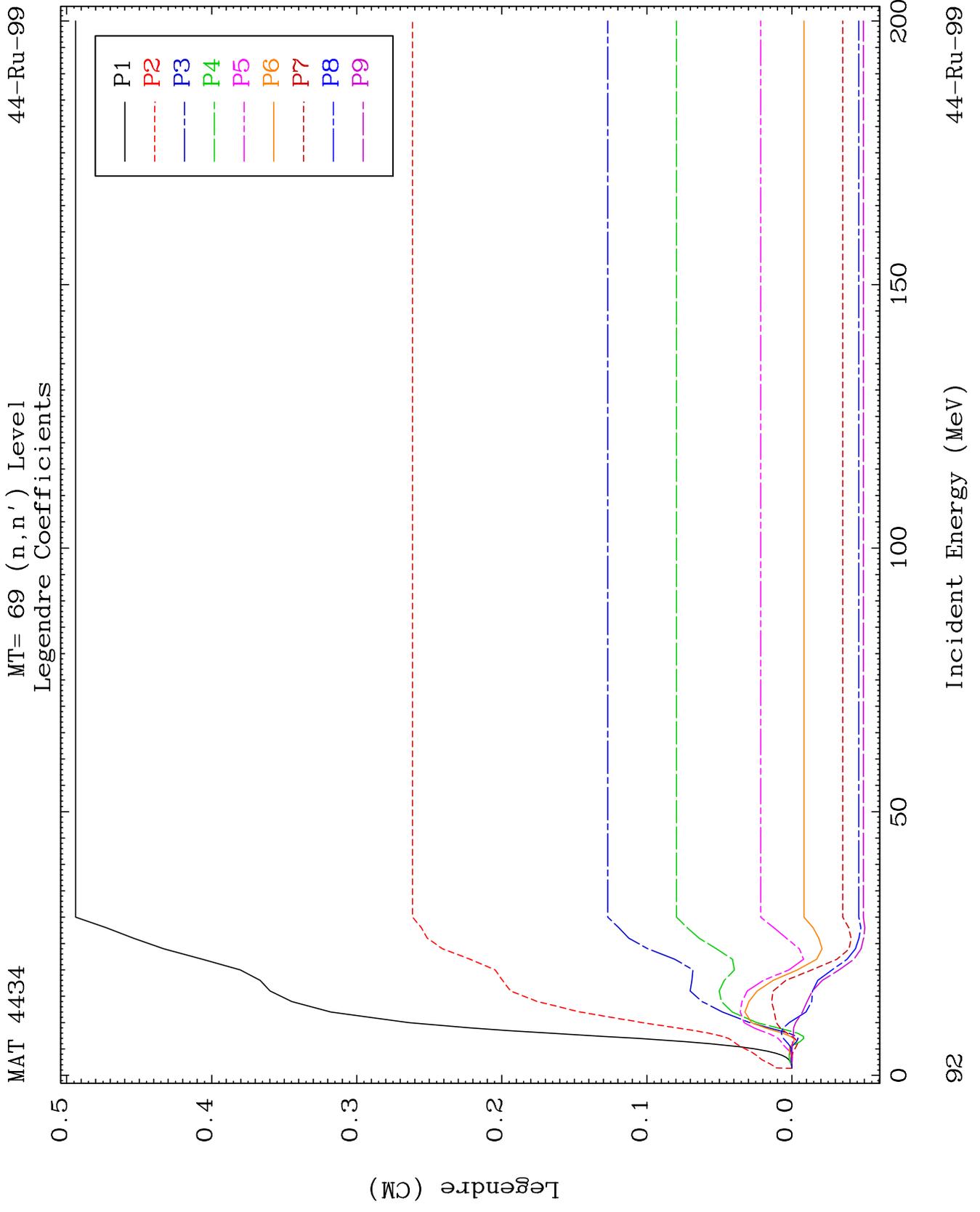


89

44-Ru-99



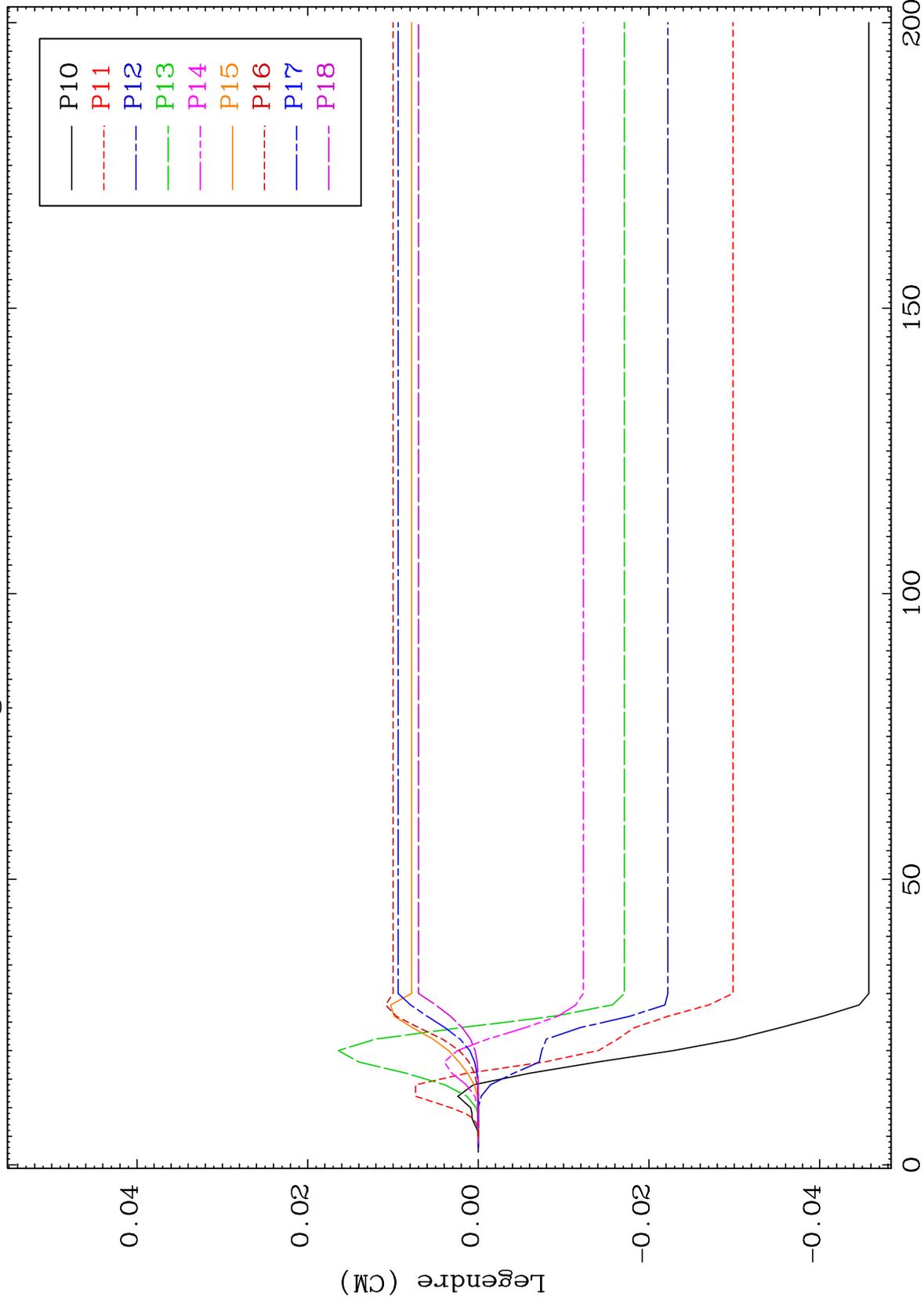




MAT 4434

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

44-Ru-99



93

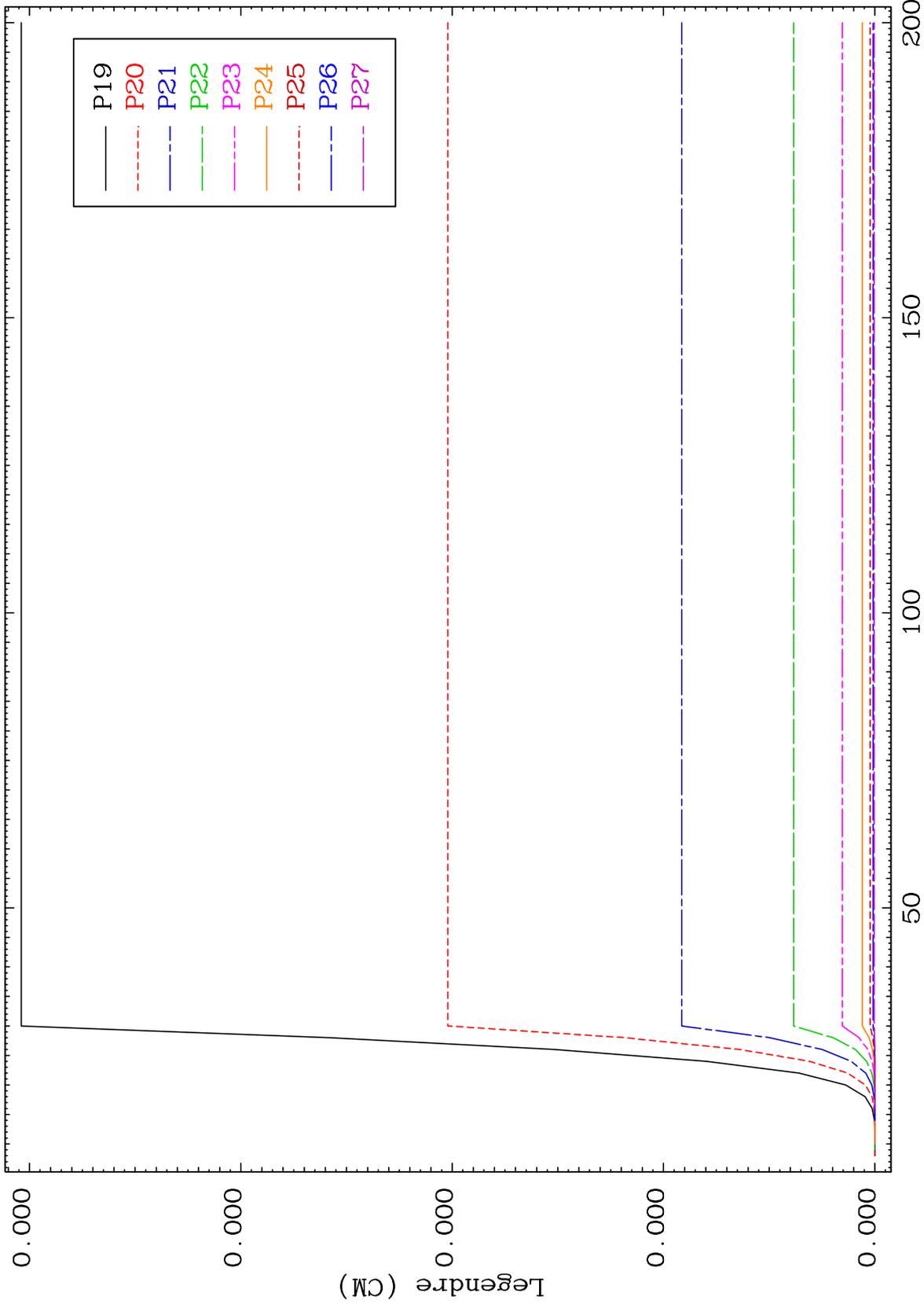
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



94

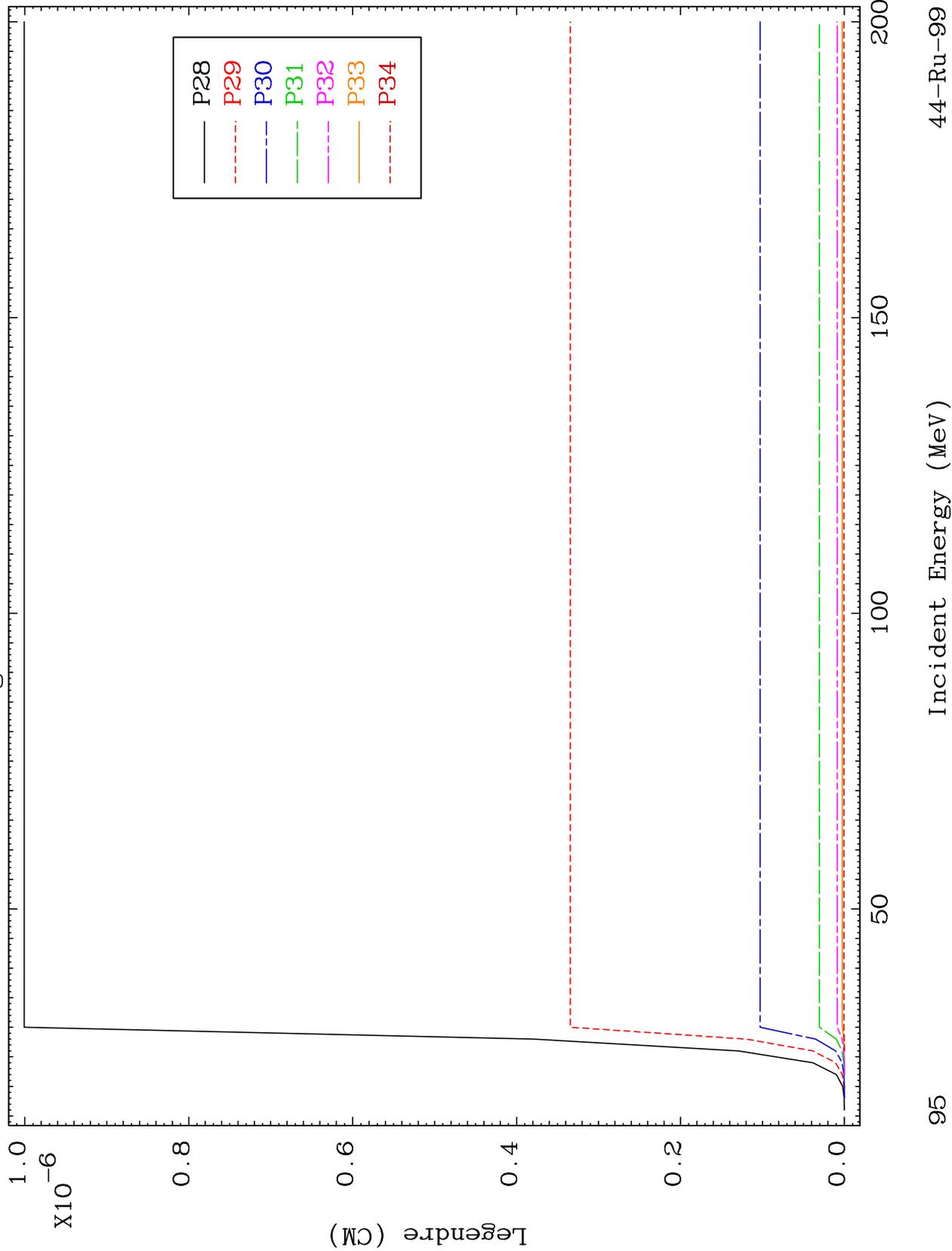
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



95

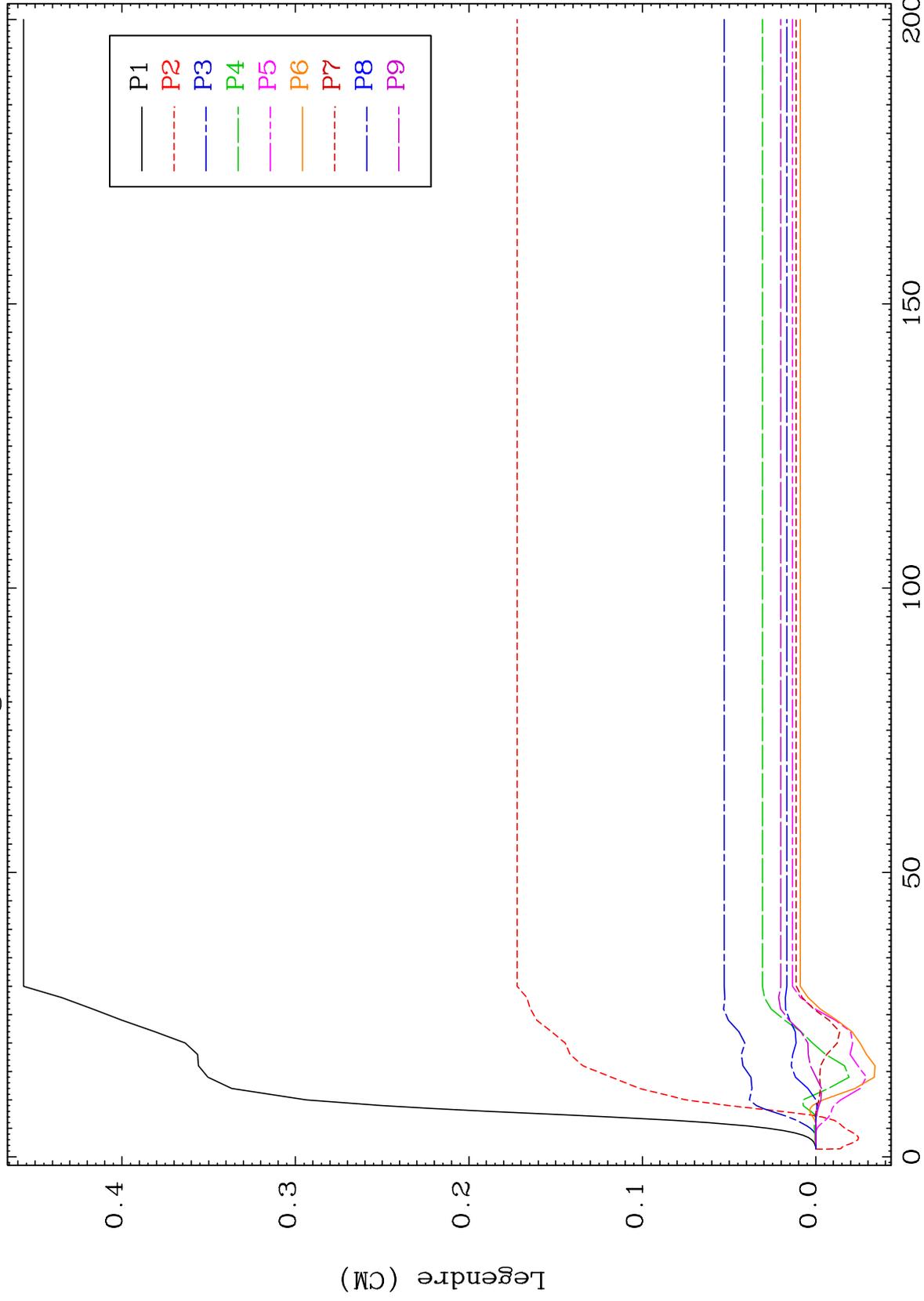
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



96

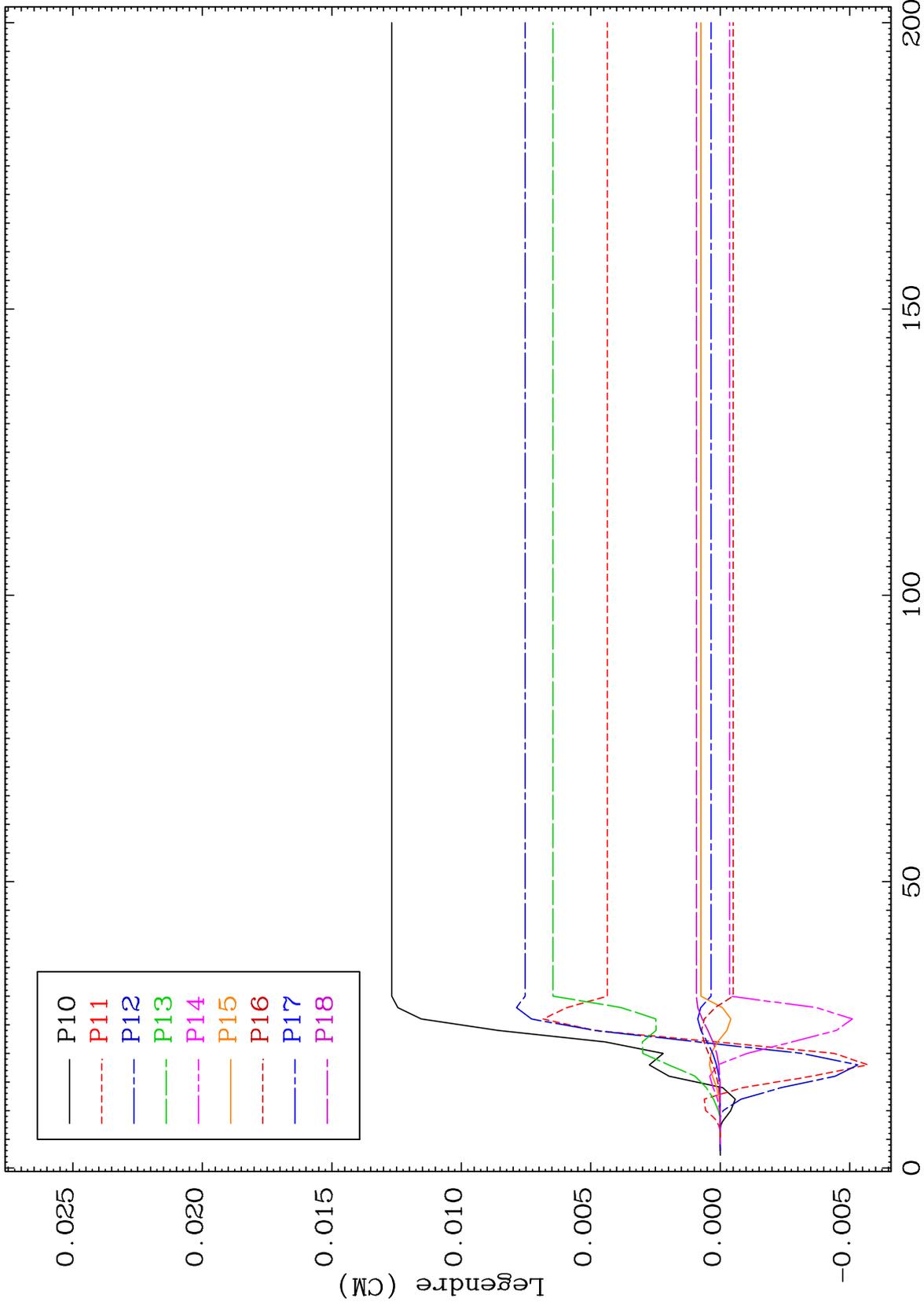
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

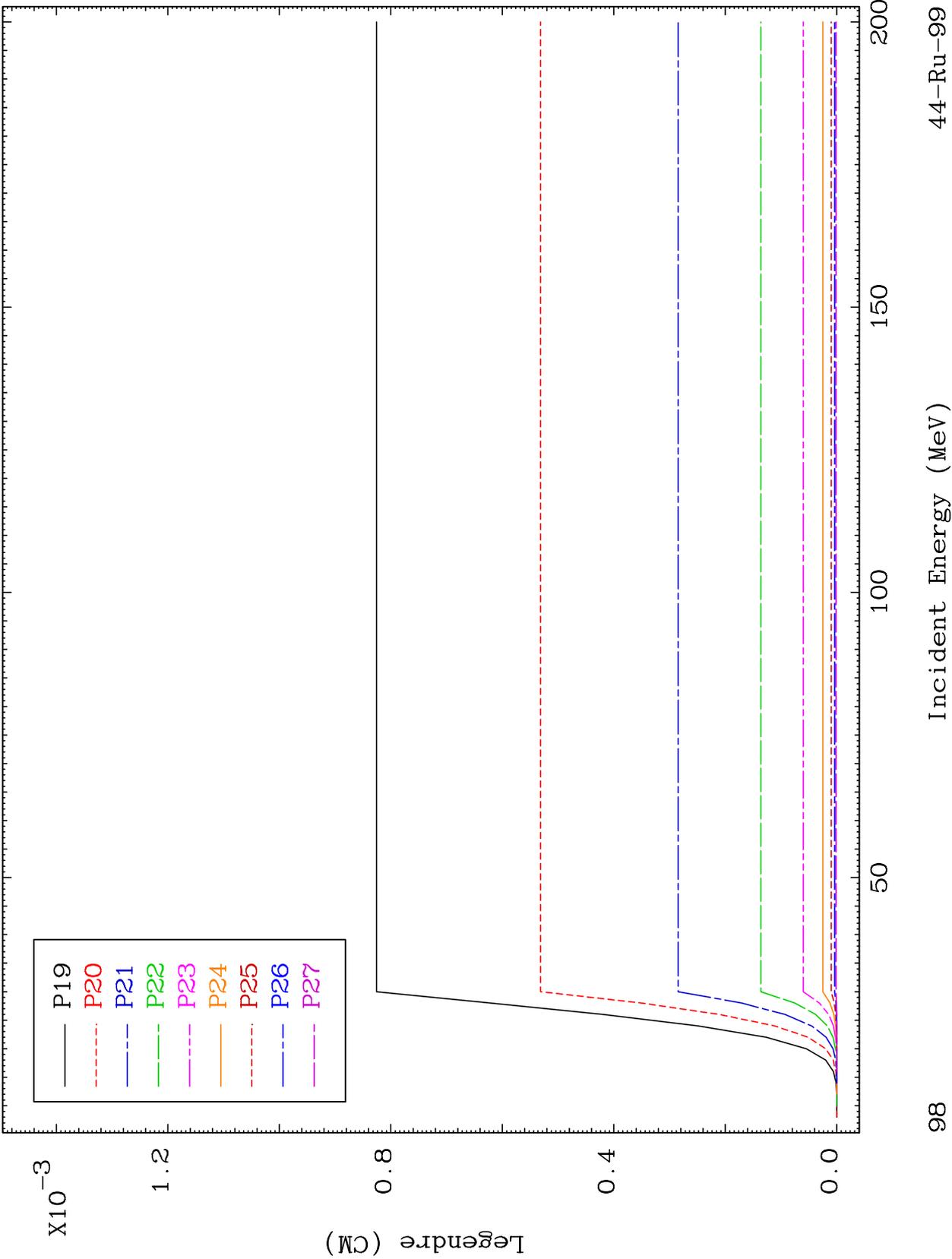
44-Ru-99



97

Incident Energy (MeV)

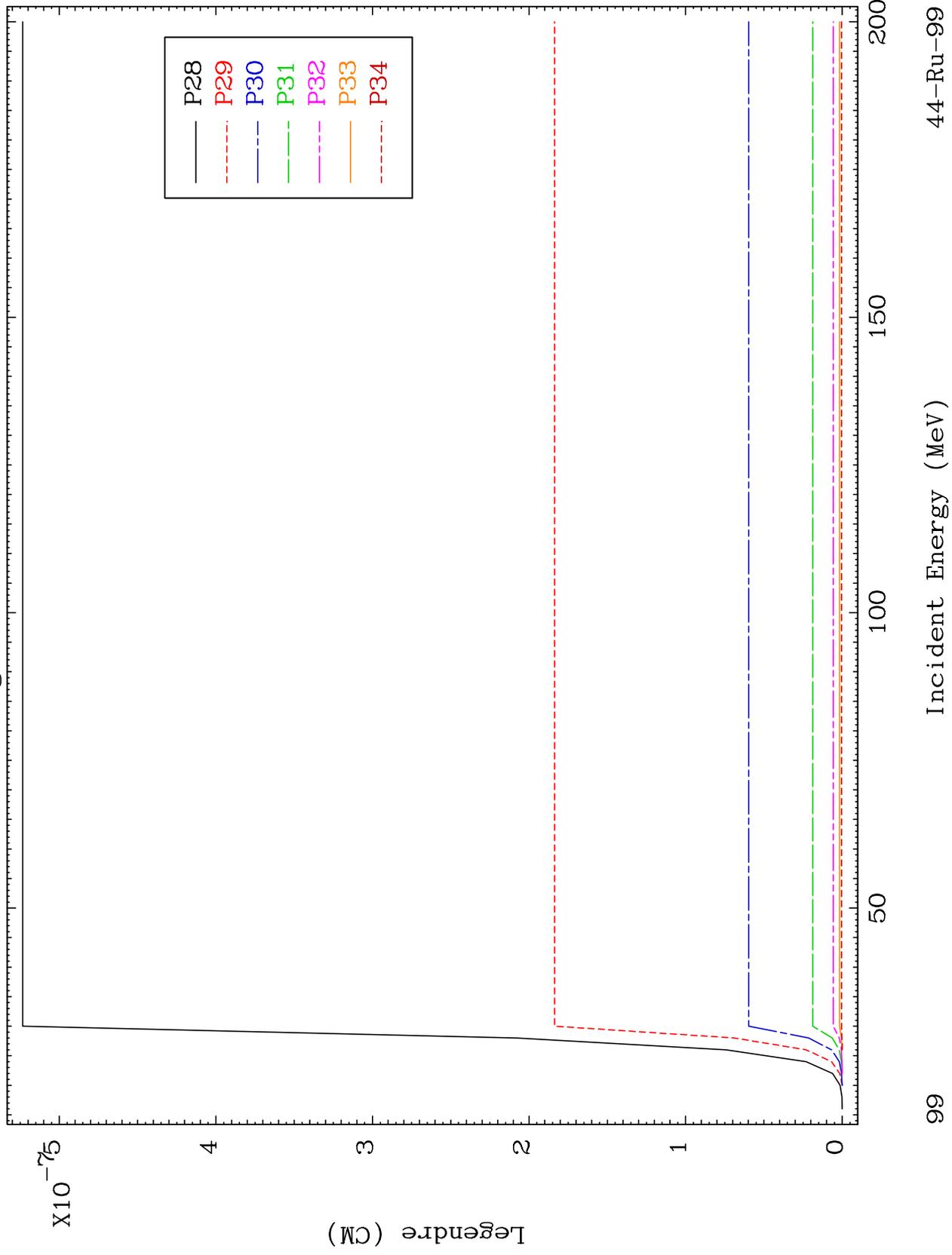
44-Ru-99

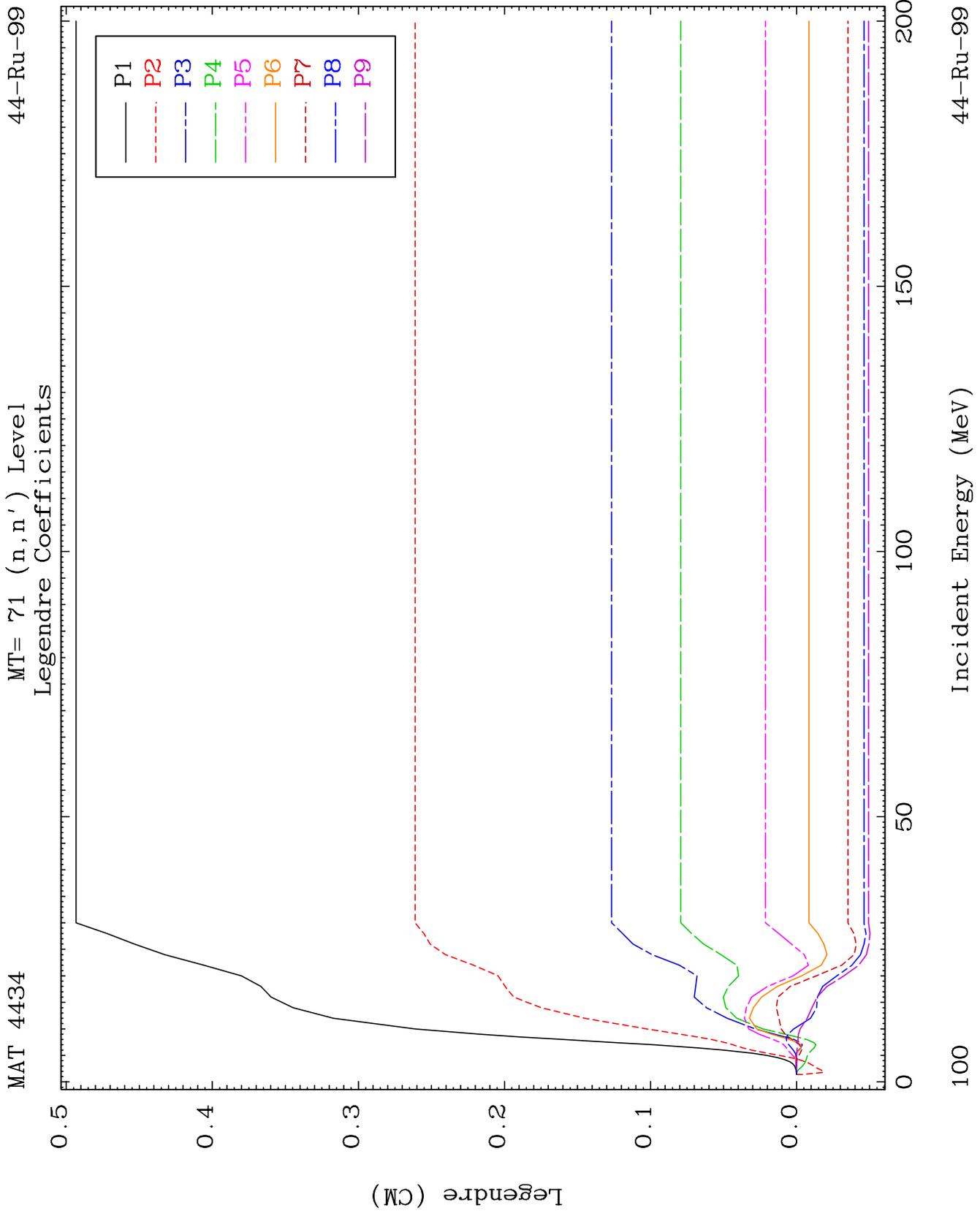


MAT 4434

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

44-Ru-99

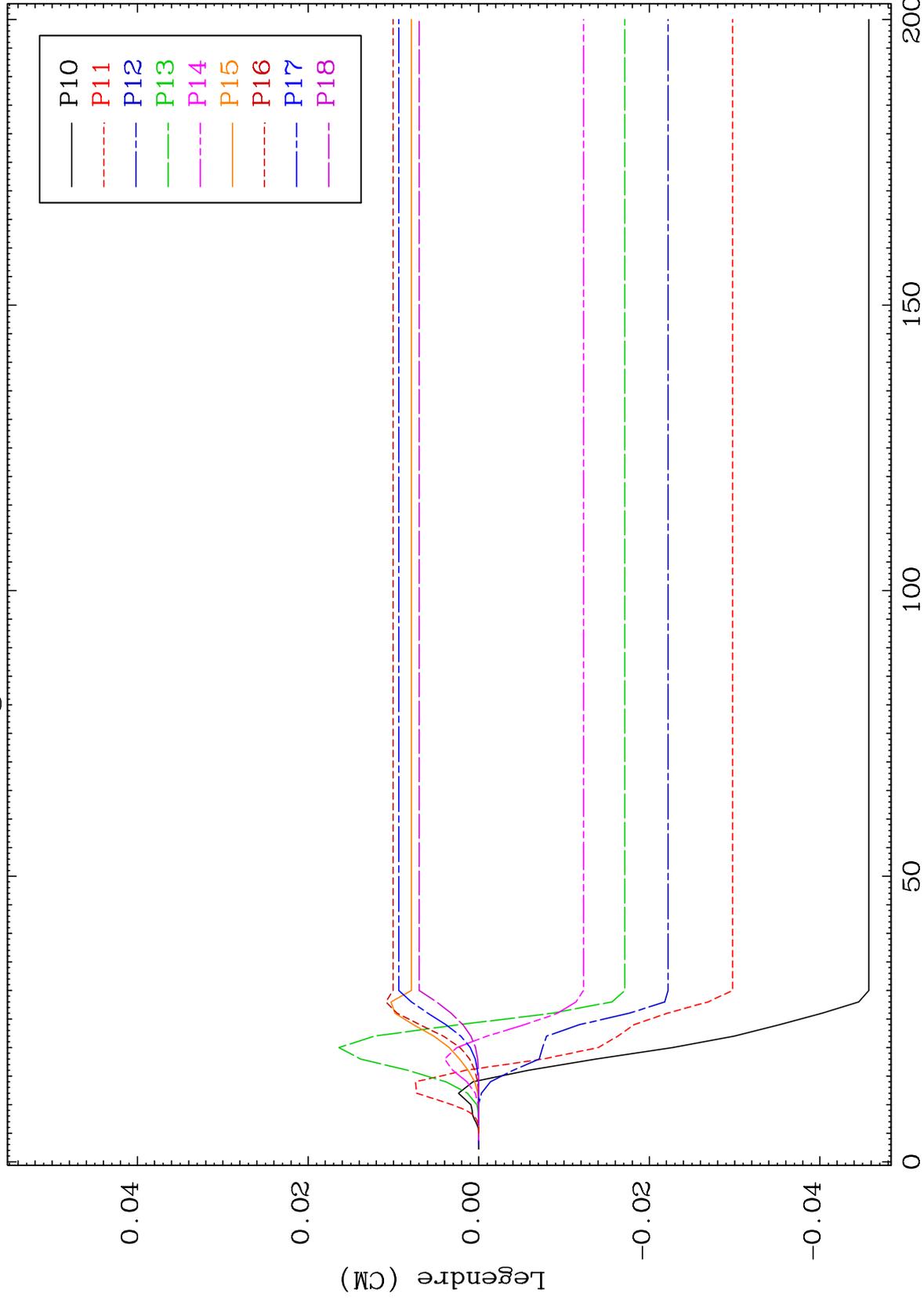




MAT 4434

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

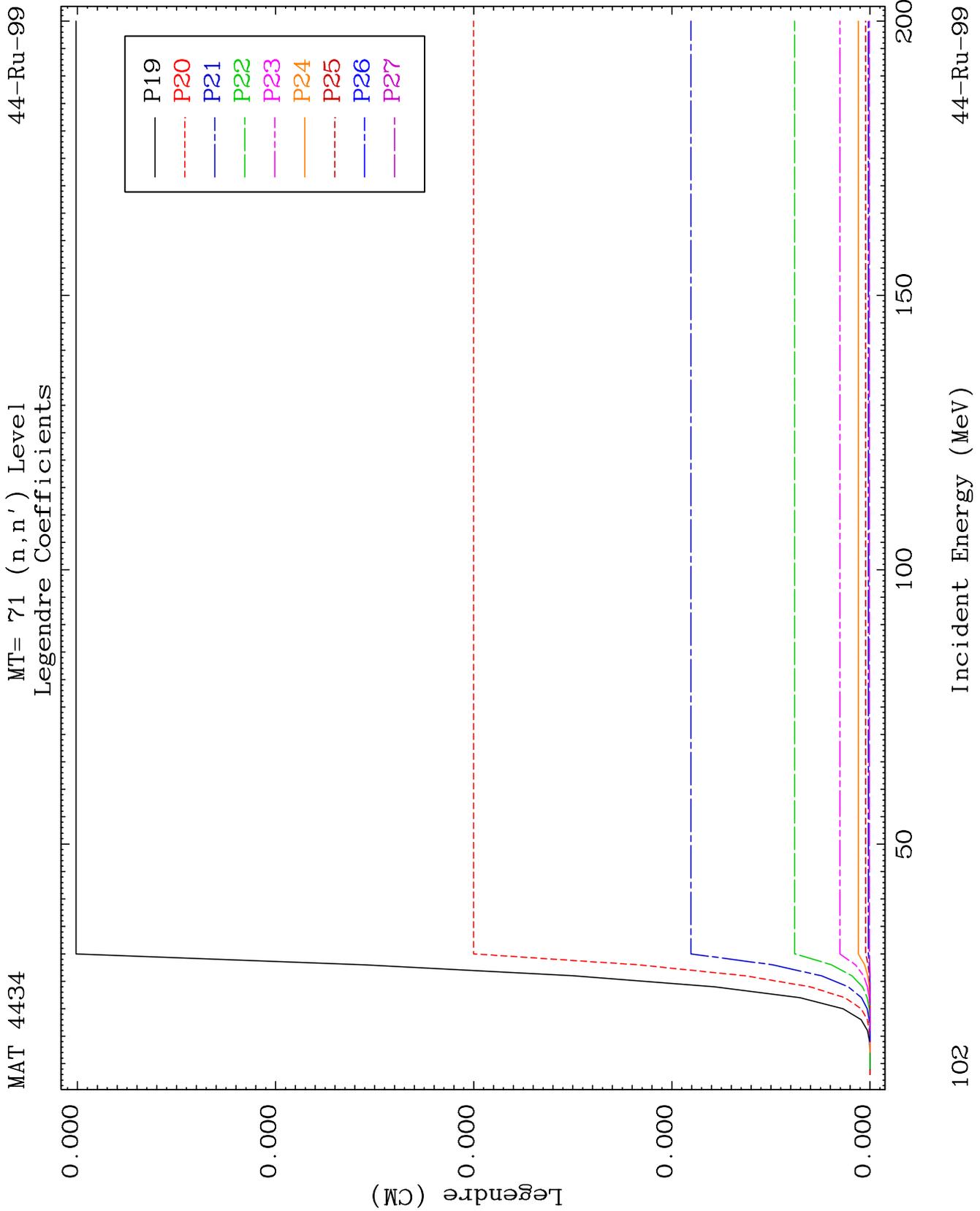
44-Ru-99

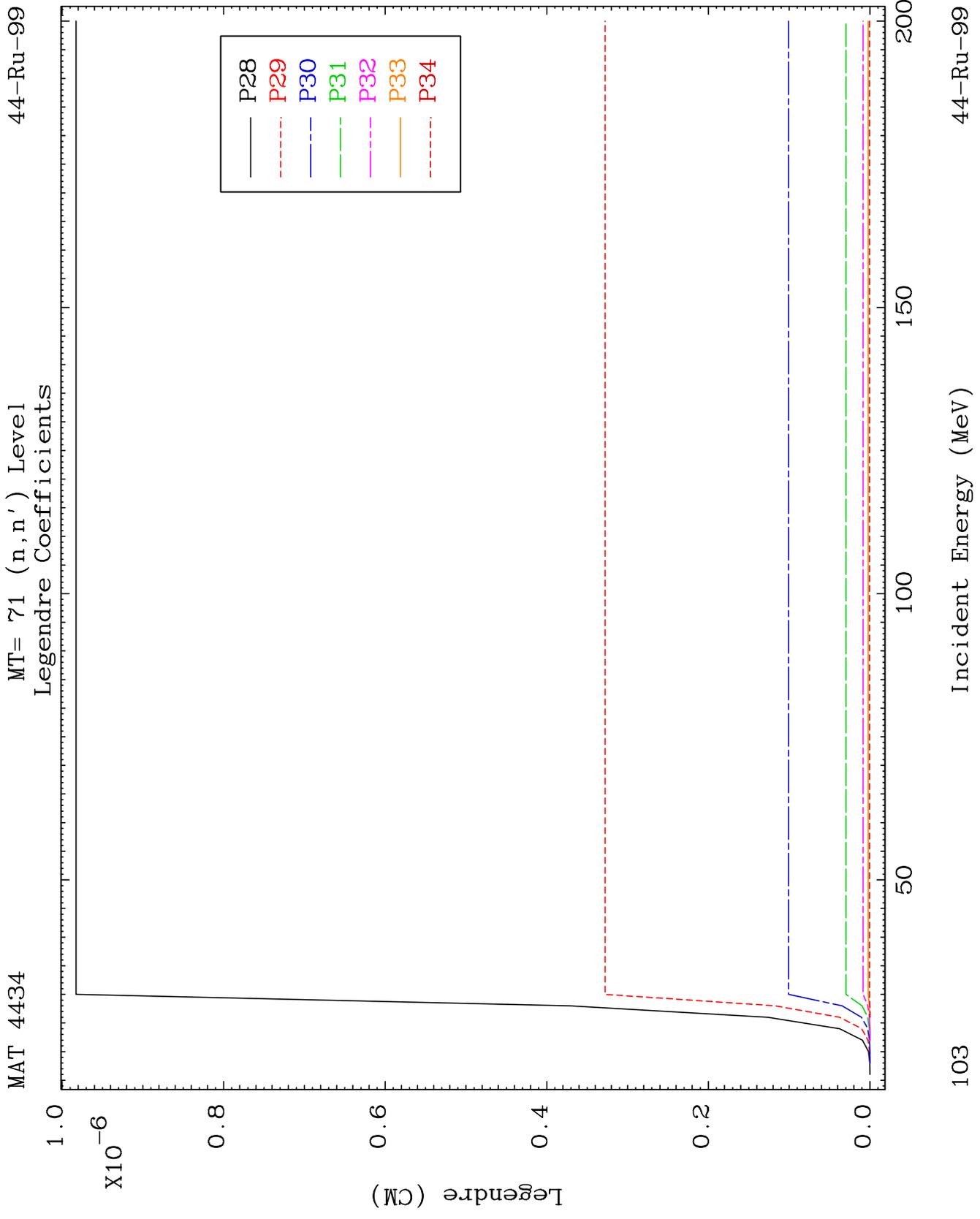


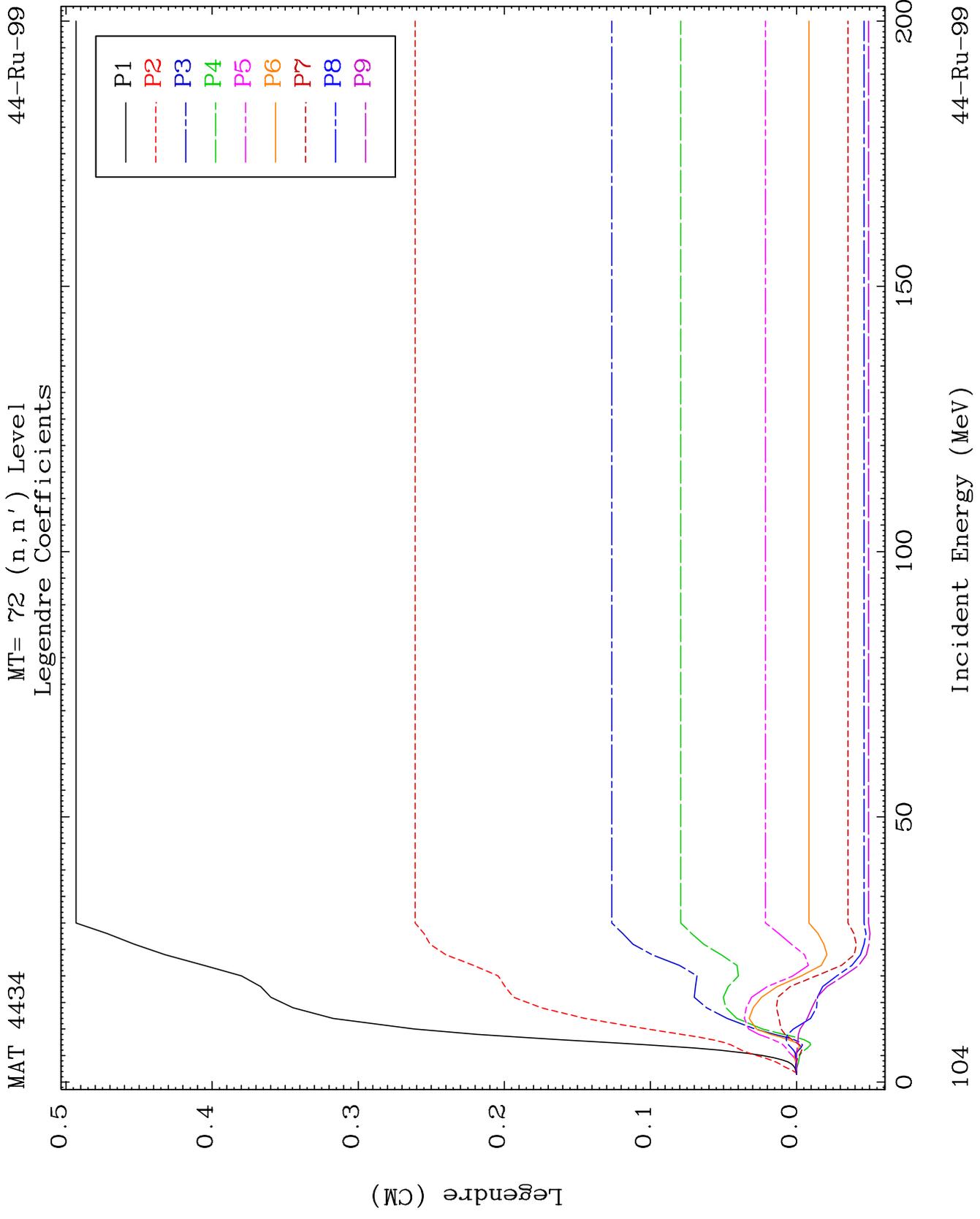
101

Incident Energy (MeV)

44-Ru-99



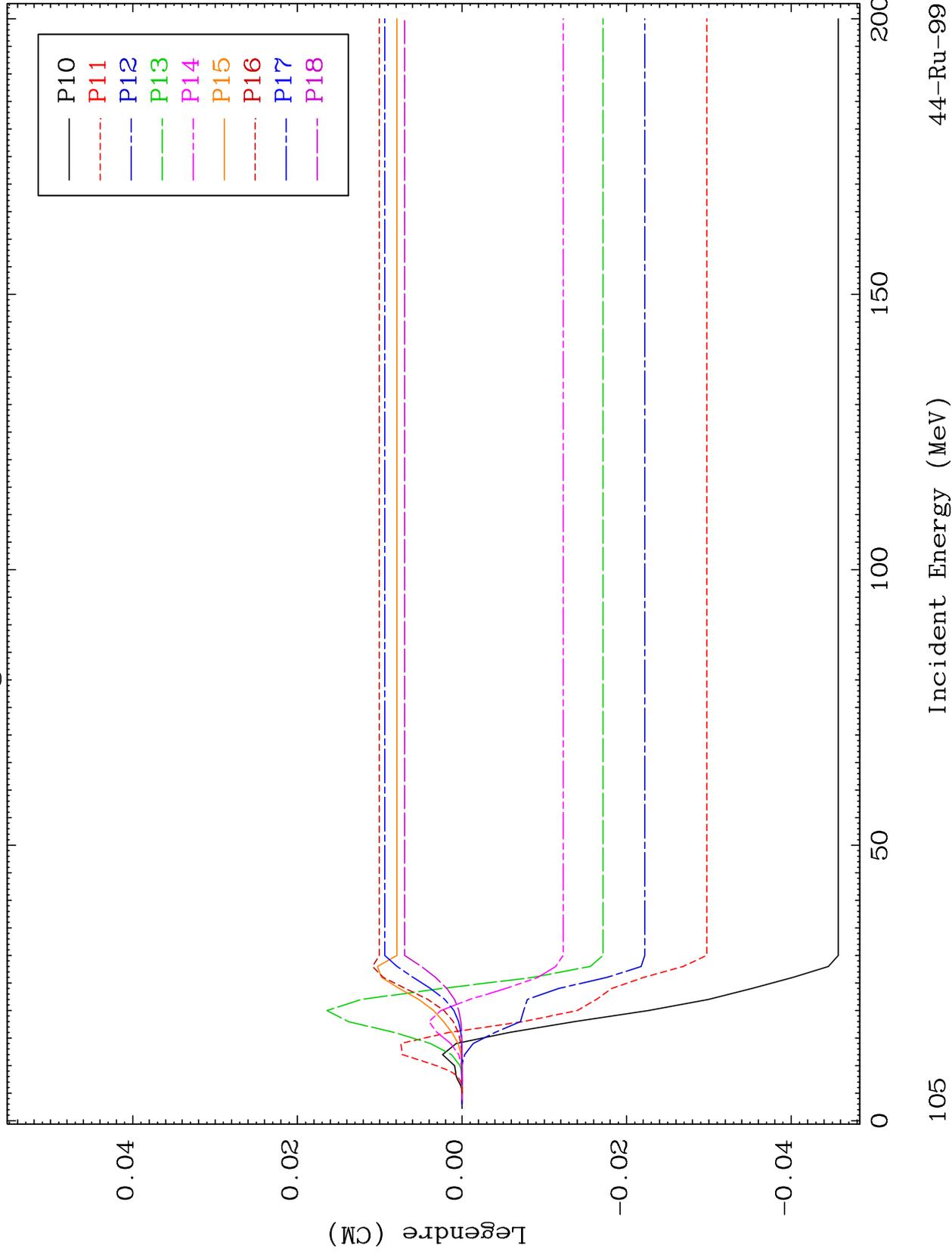




MAT 4434

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

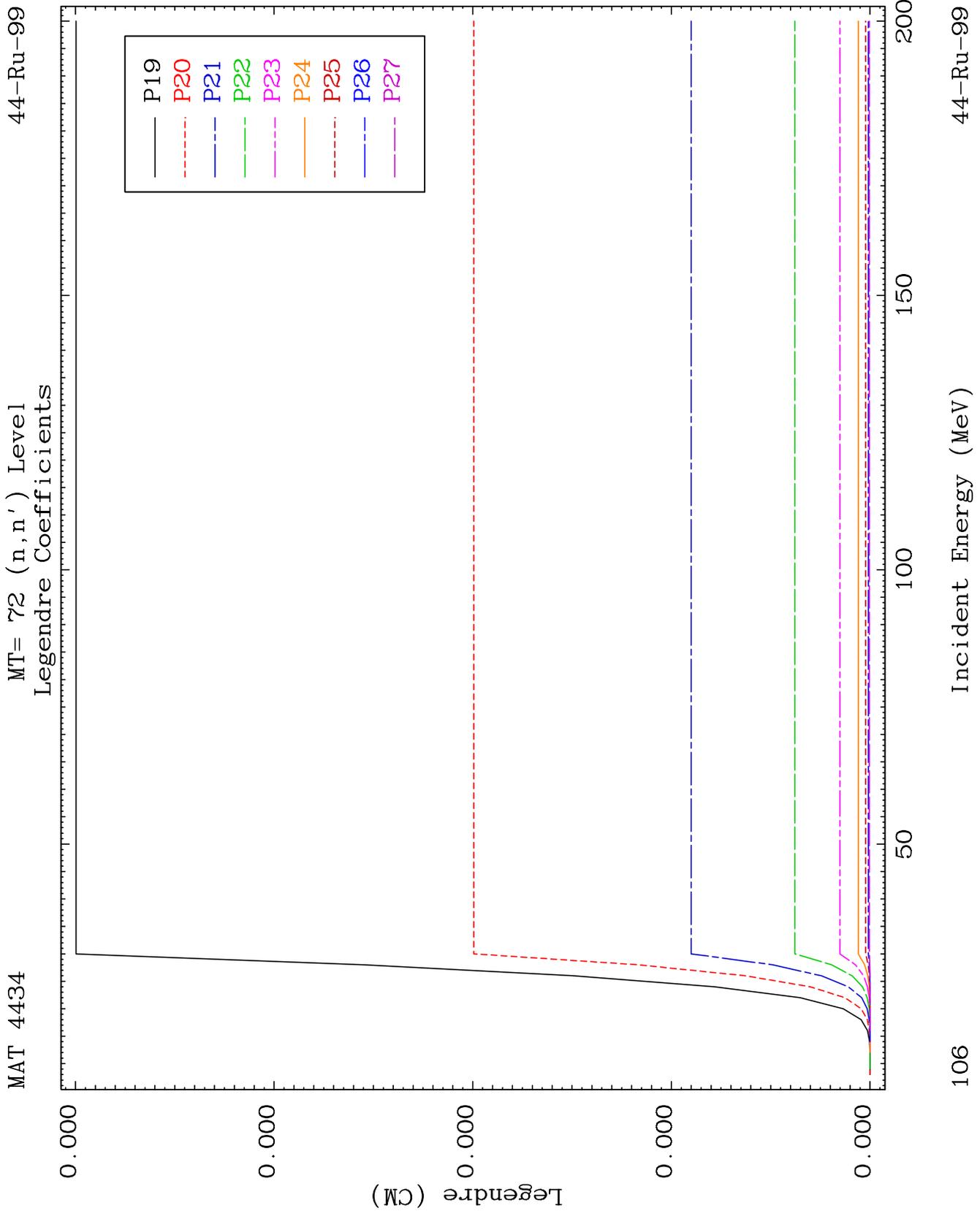
44-Ru-99



44-Ru-99

Incident Energy (MeV)

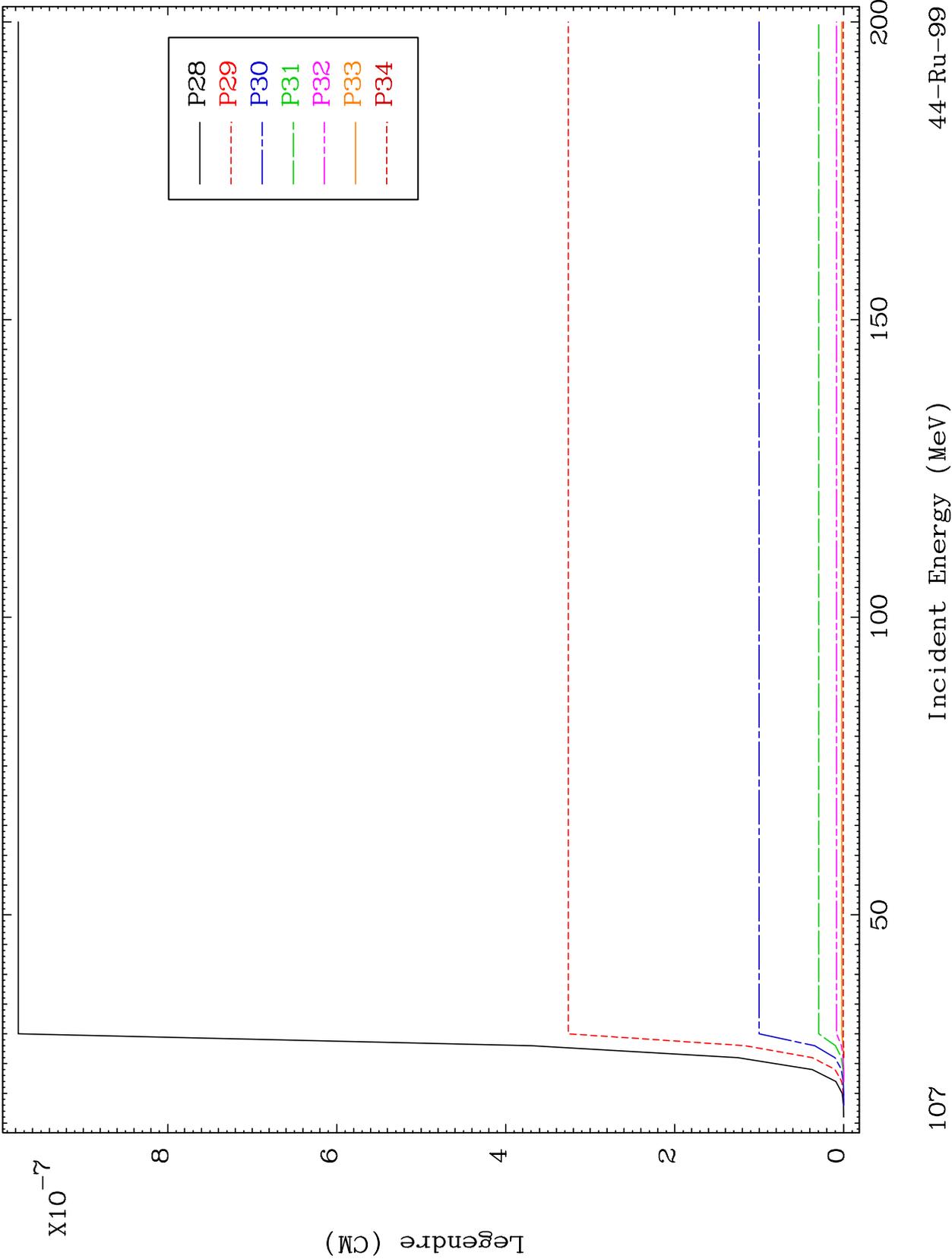
105



MAT 4434

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

44-Ru-99



107

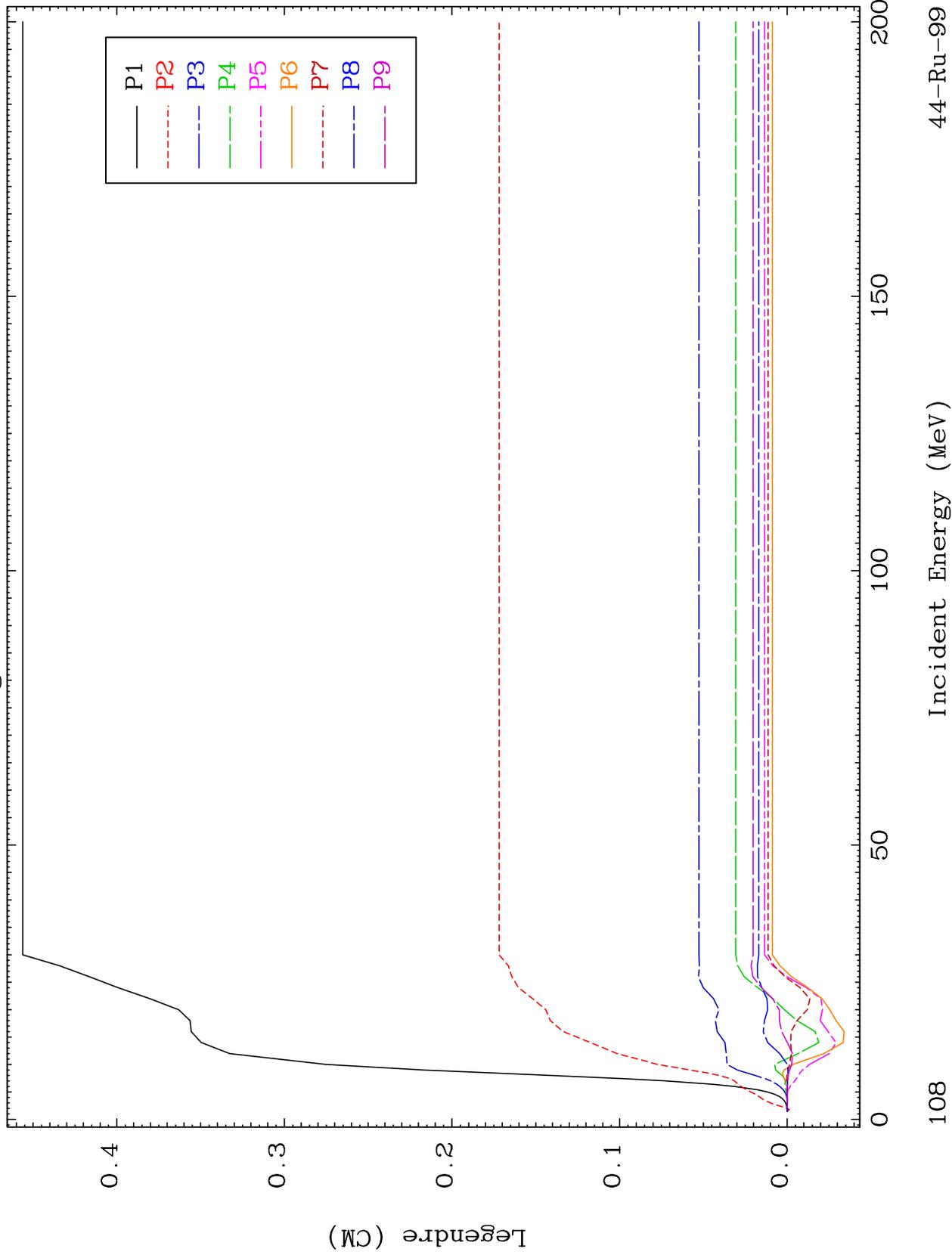
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

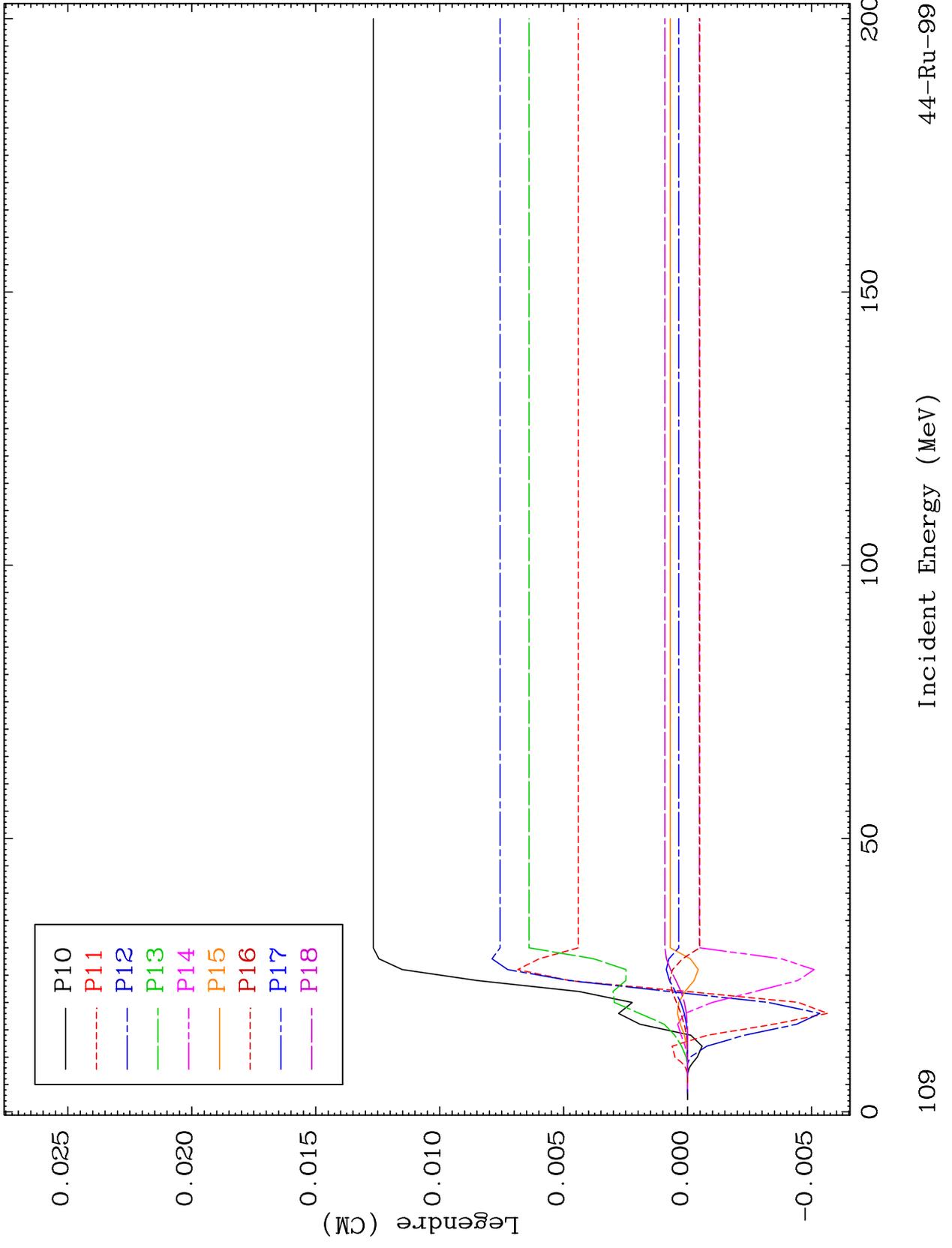
44-Ru-99



MAT 4434

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

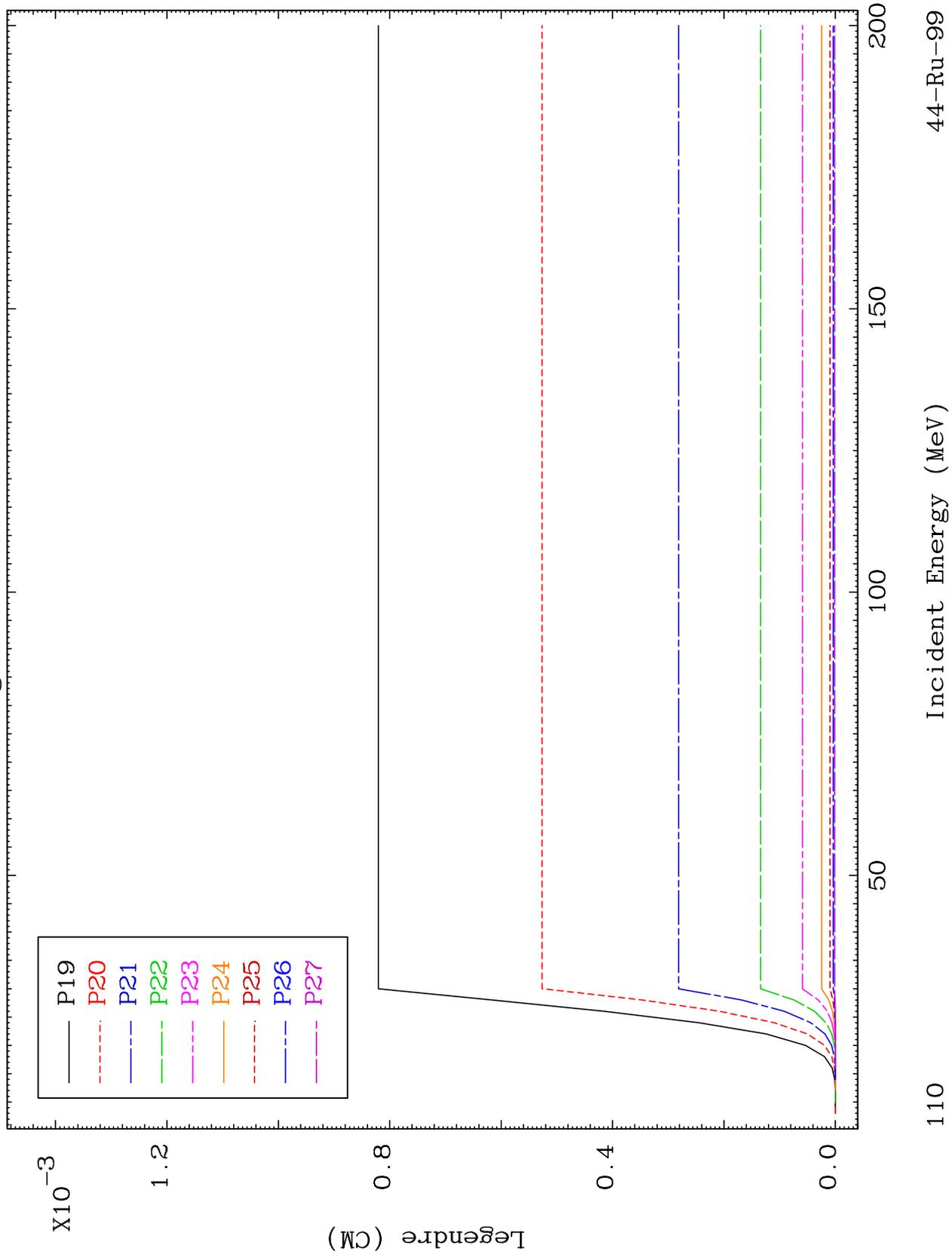
44-Ru-99



MAT 4434

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

44-Ru-99



110

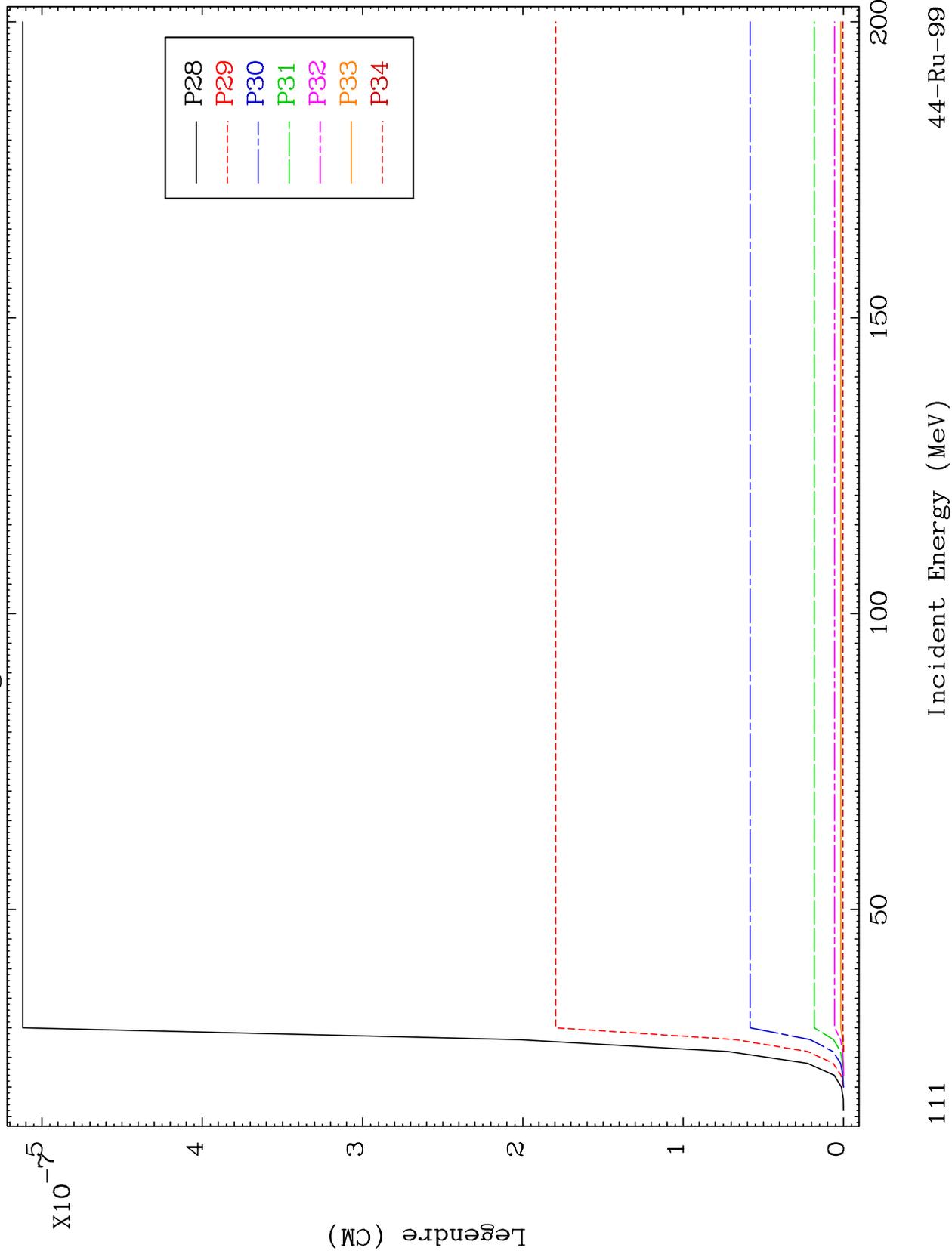
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



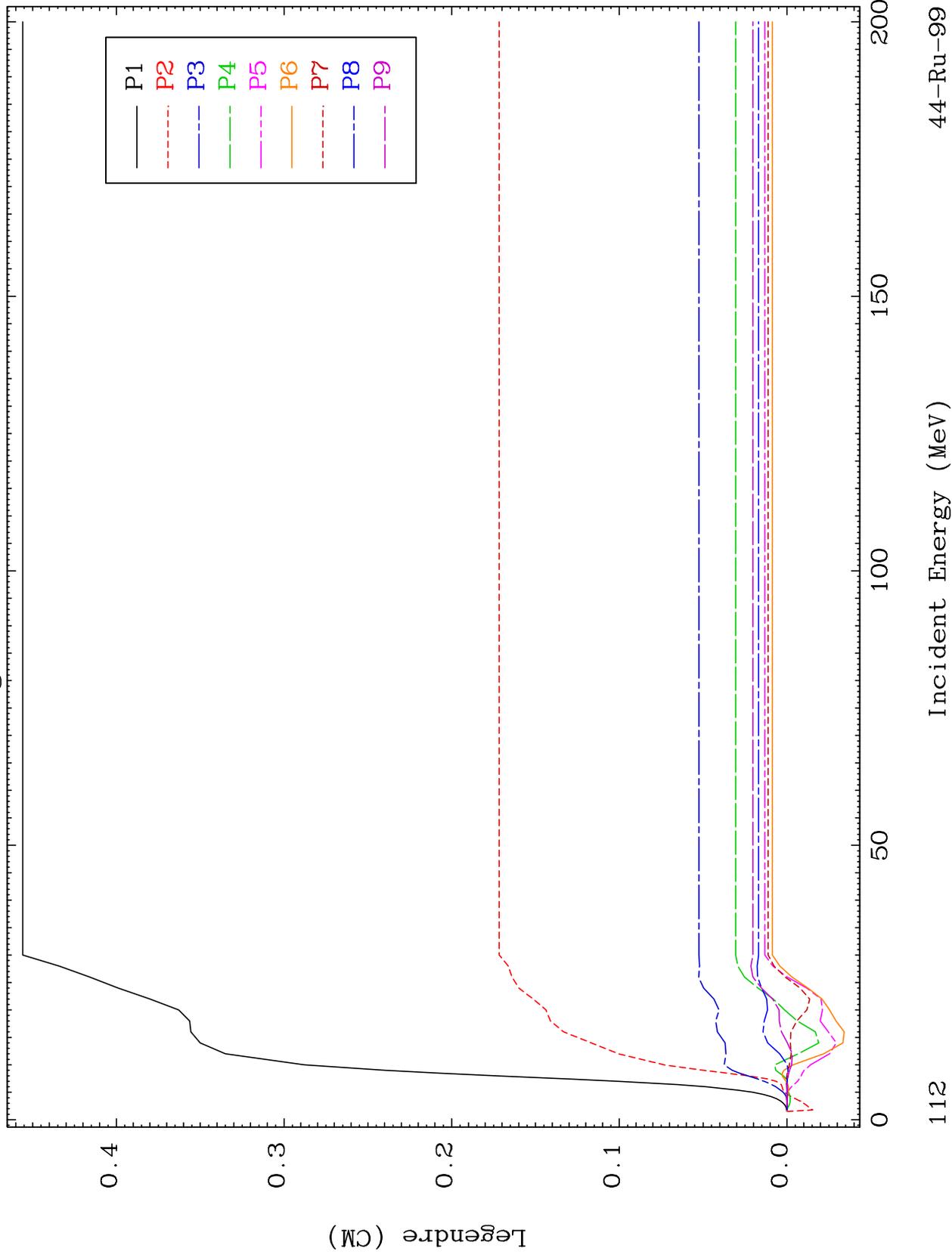
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44-Ru-99

MAT 4434

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

44-Ru-99

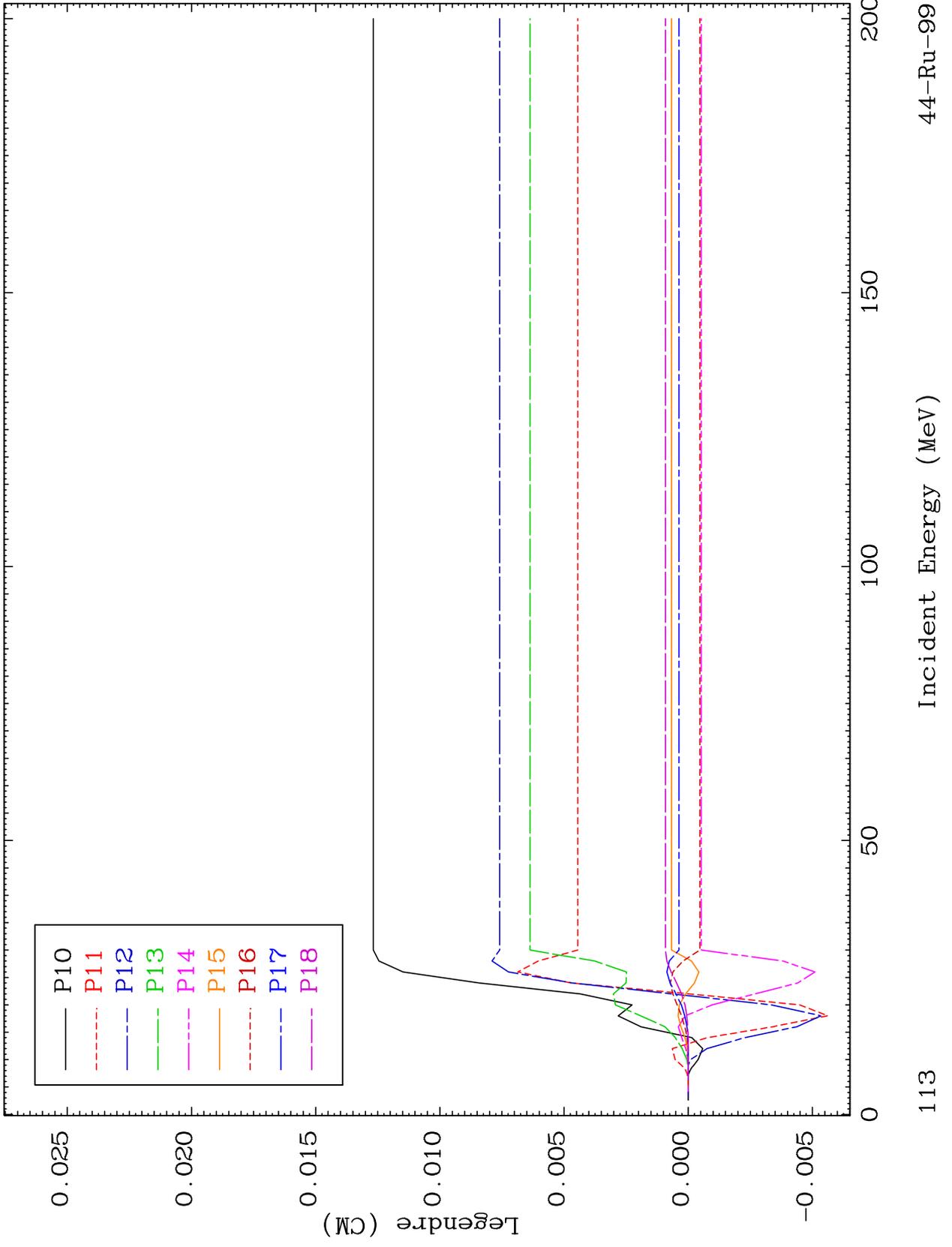


112

MAT 4434

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

44-Ru-99



113

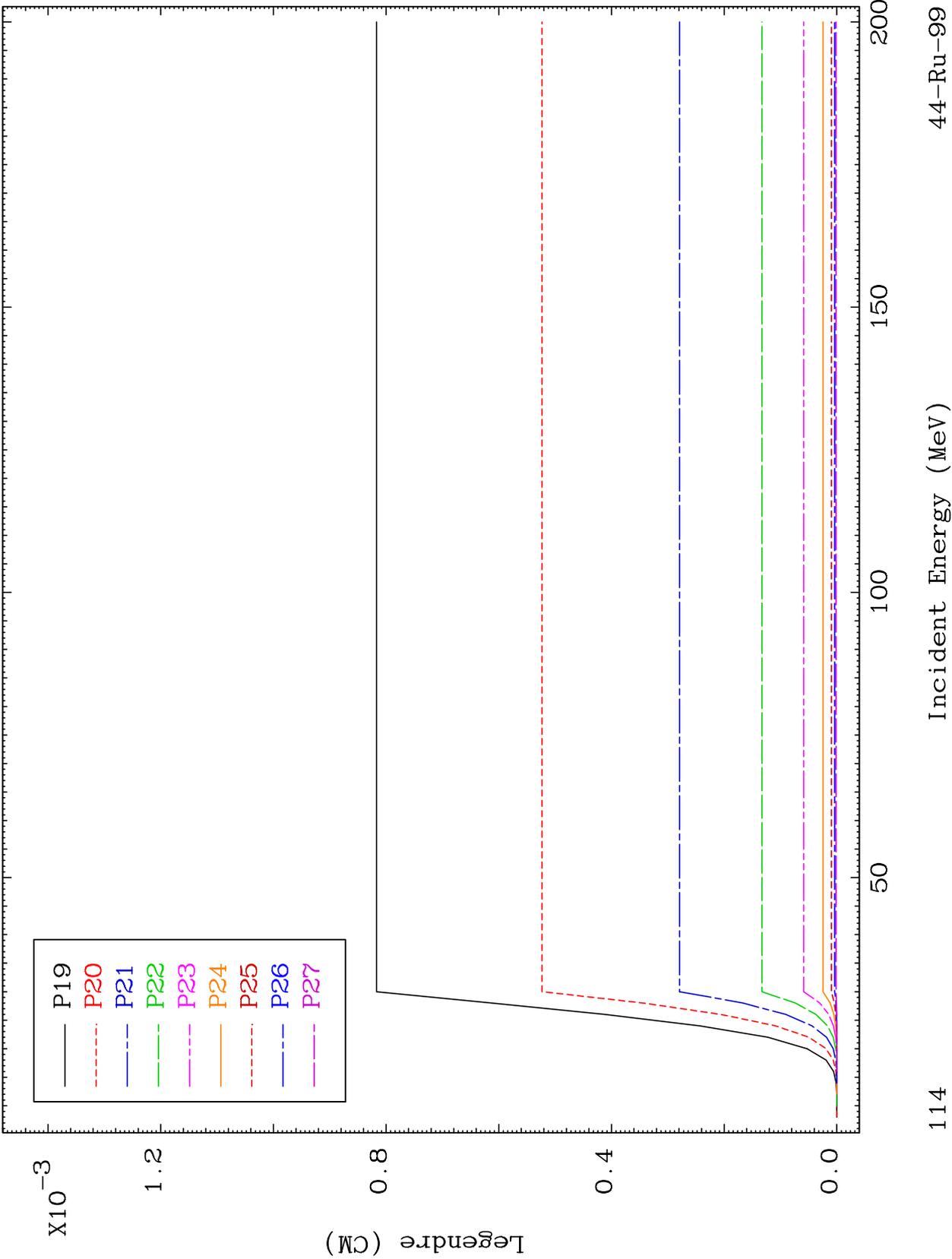
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



114

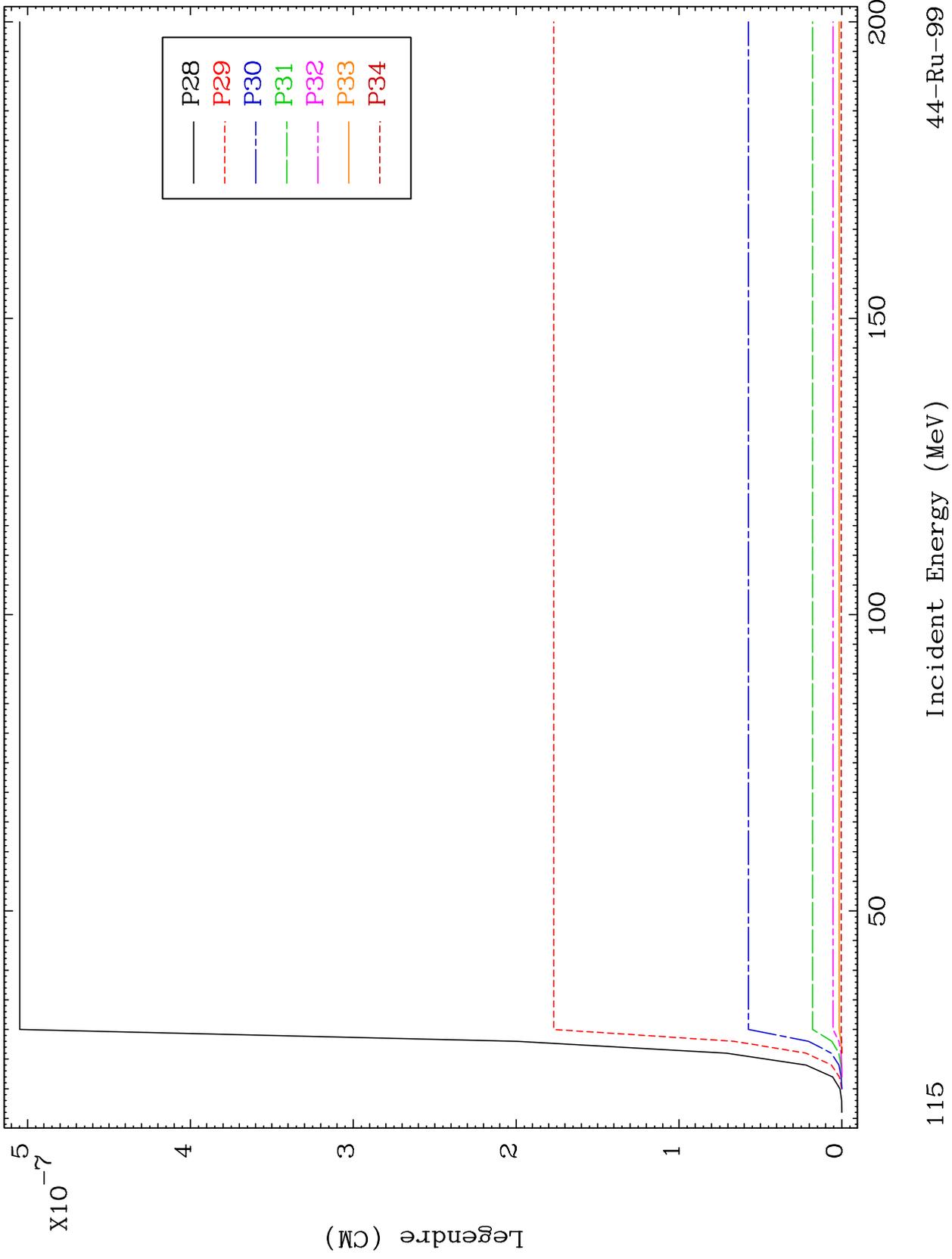
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



115

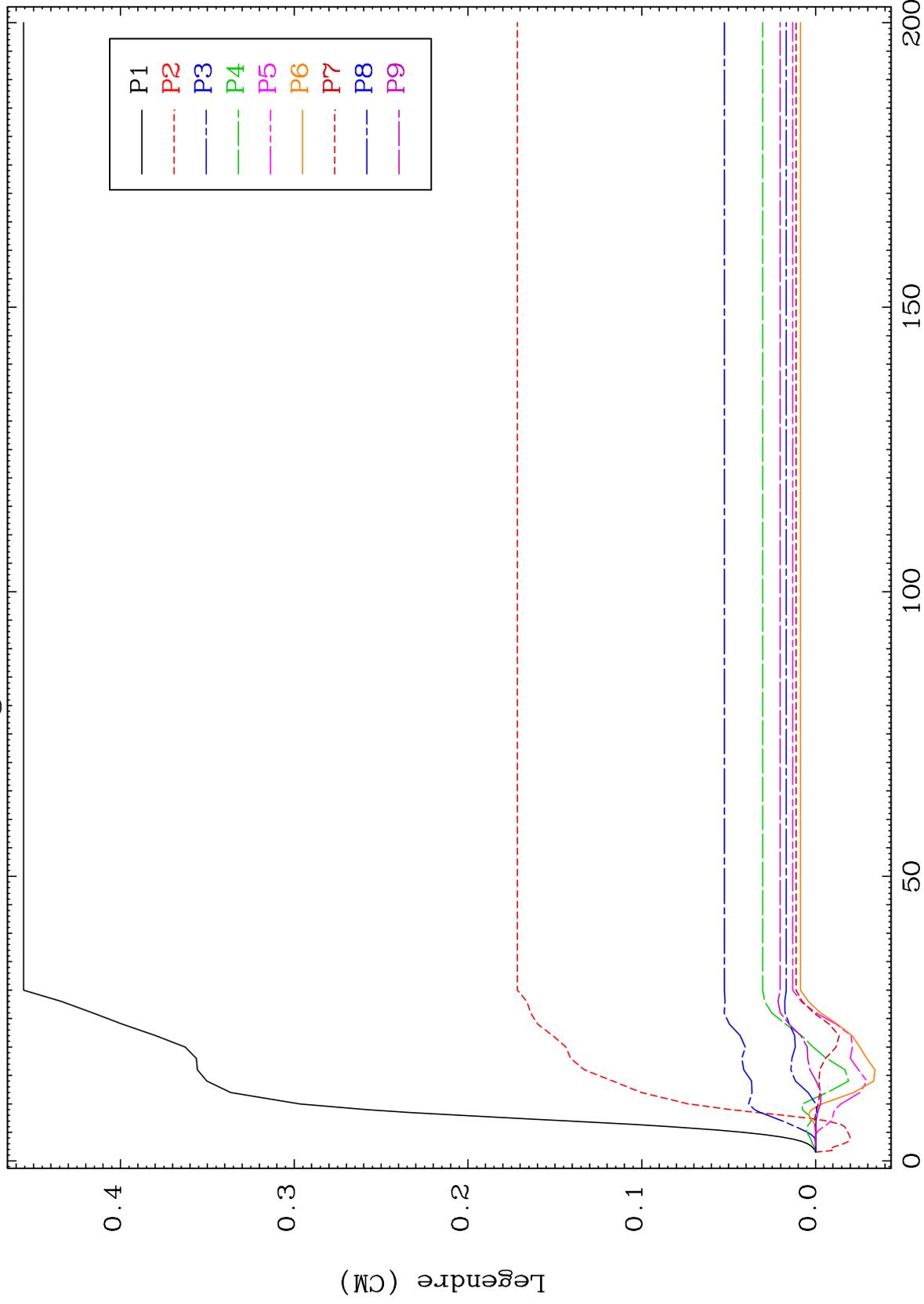
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



116

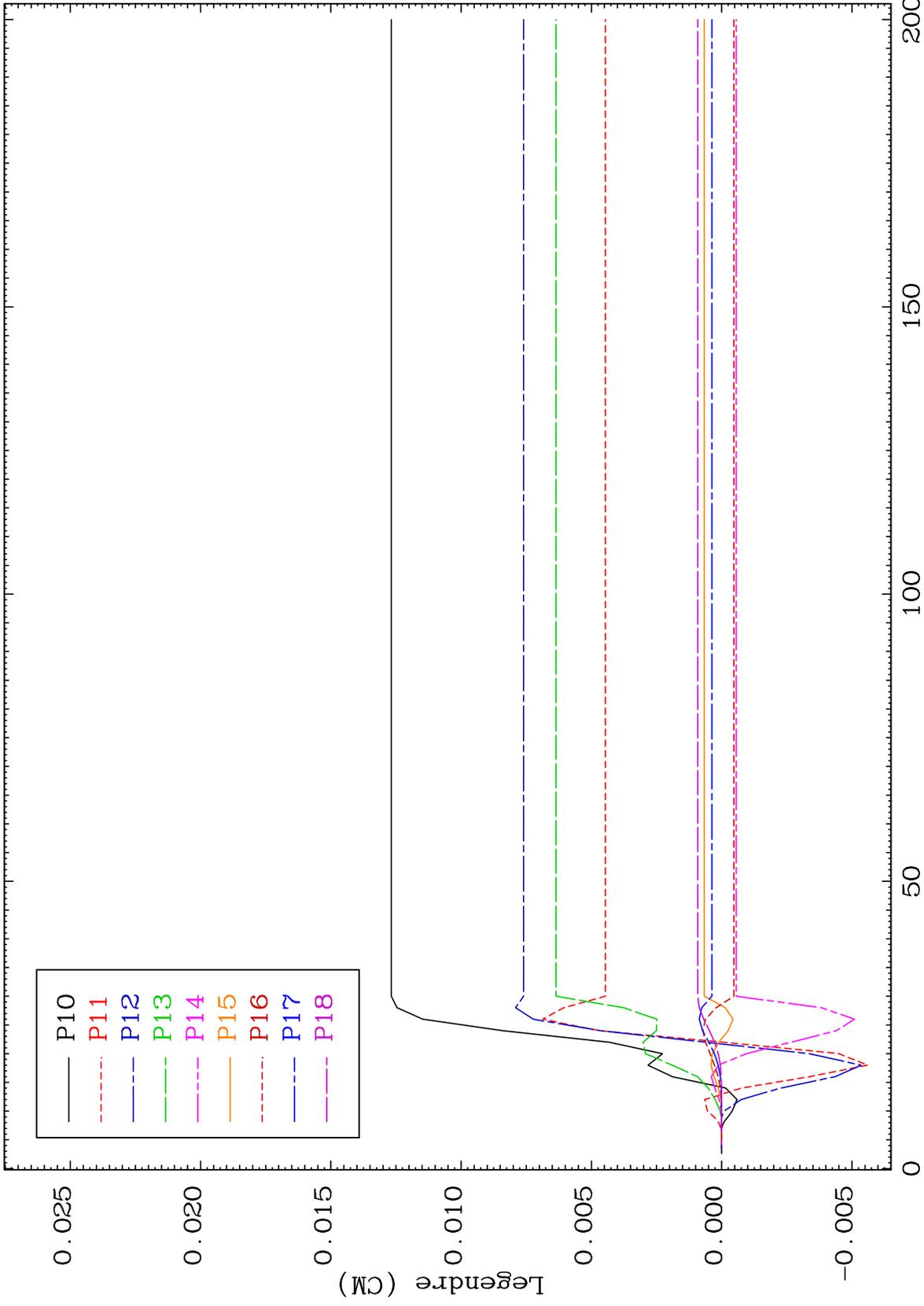
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

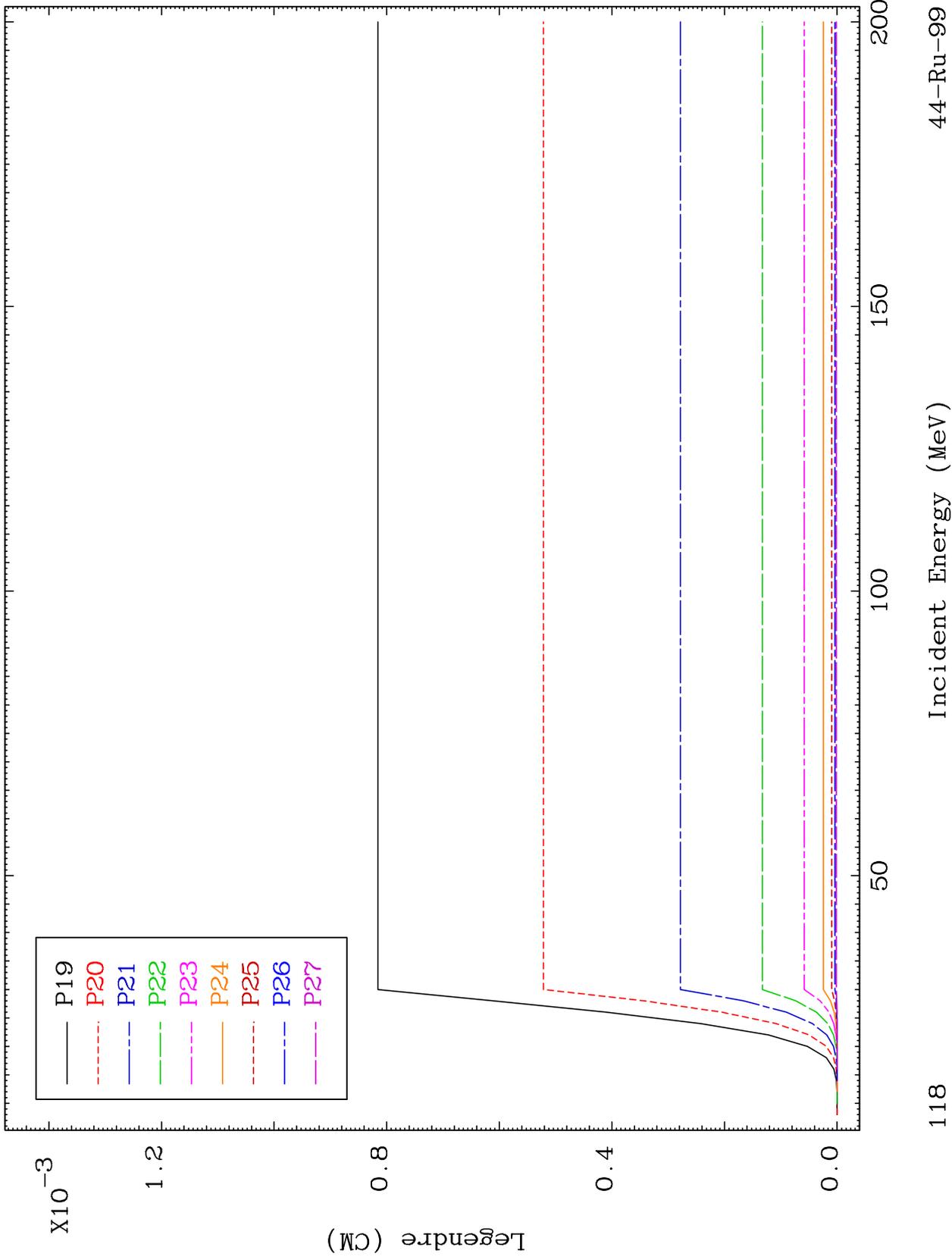
44-Ru-99



117

Incident Energy (MeV)

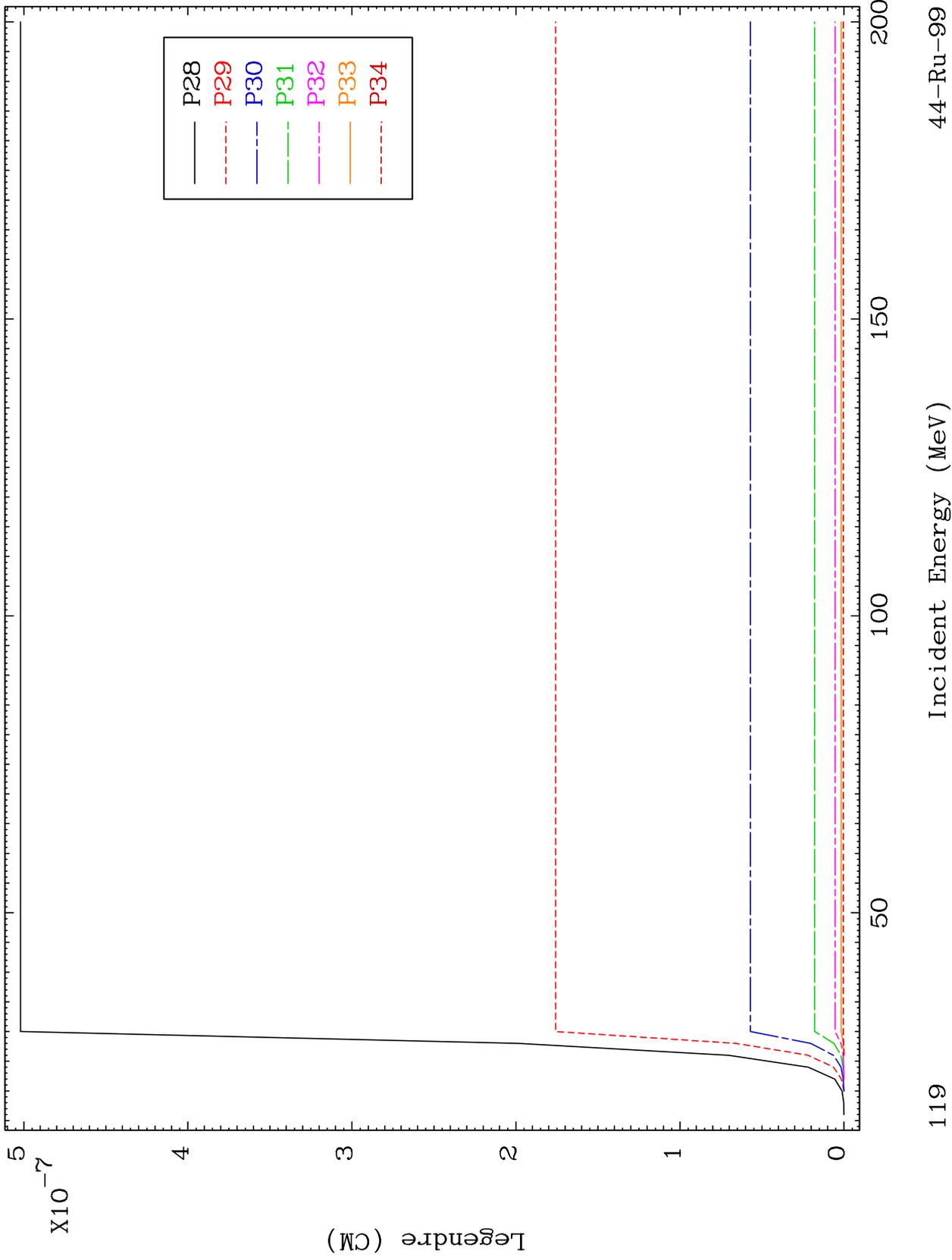
44-Ru-99



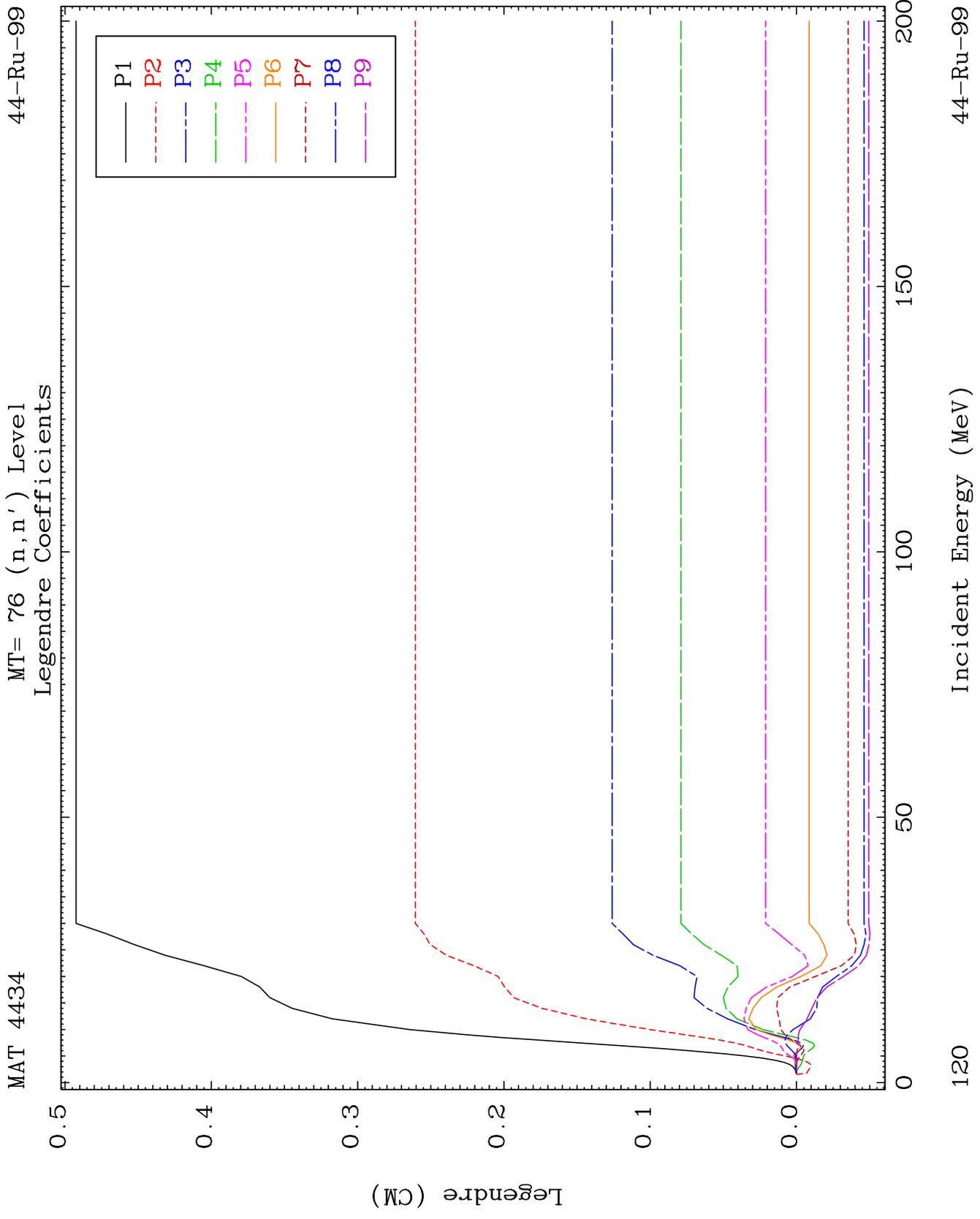
MAT 4434

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

44-Ru-99



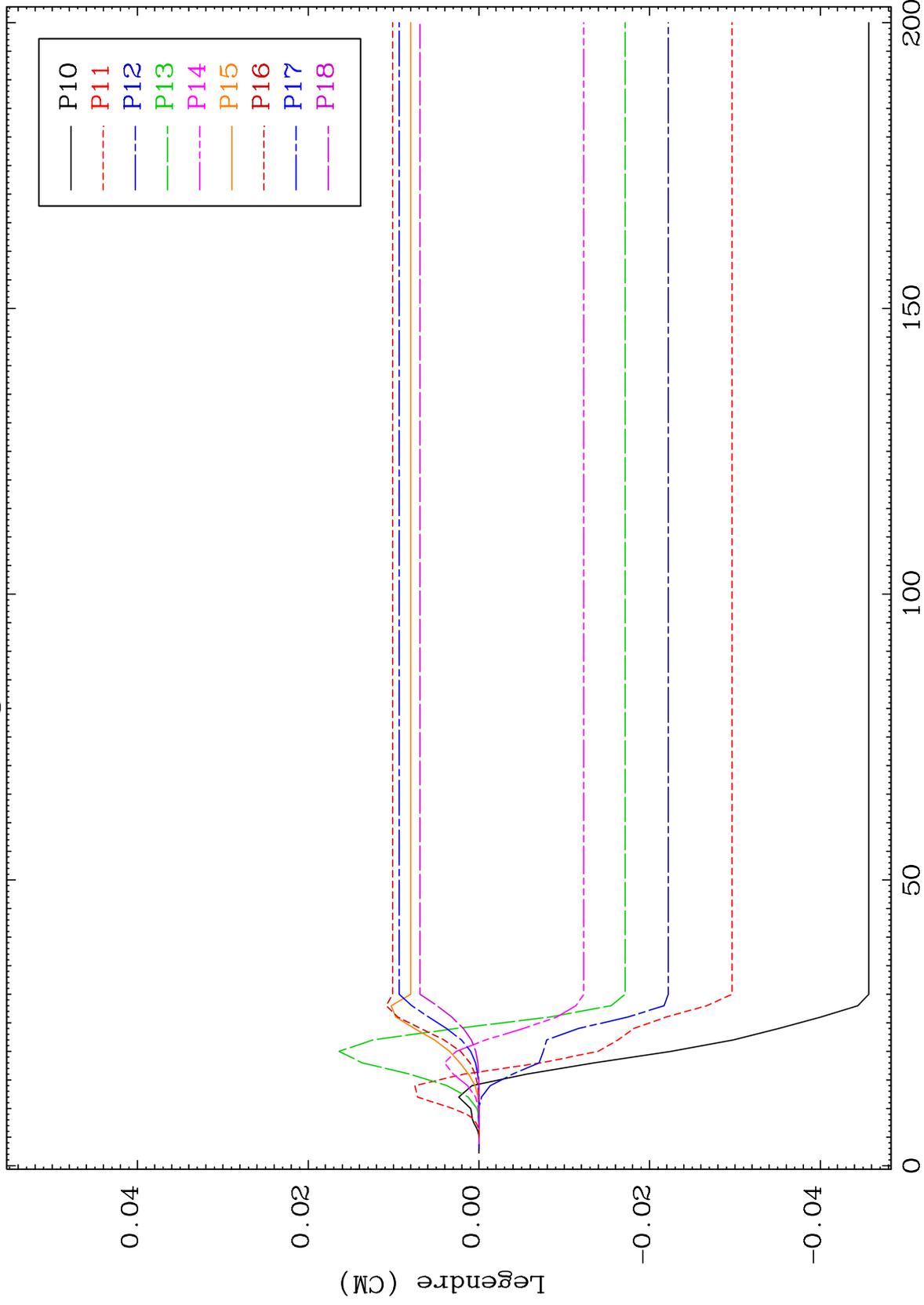
119



MAT 4434

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

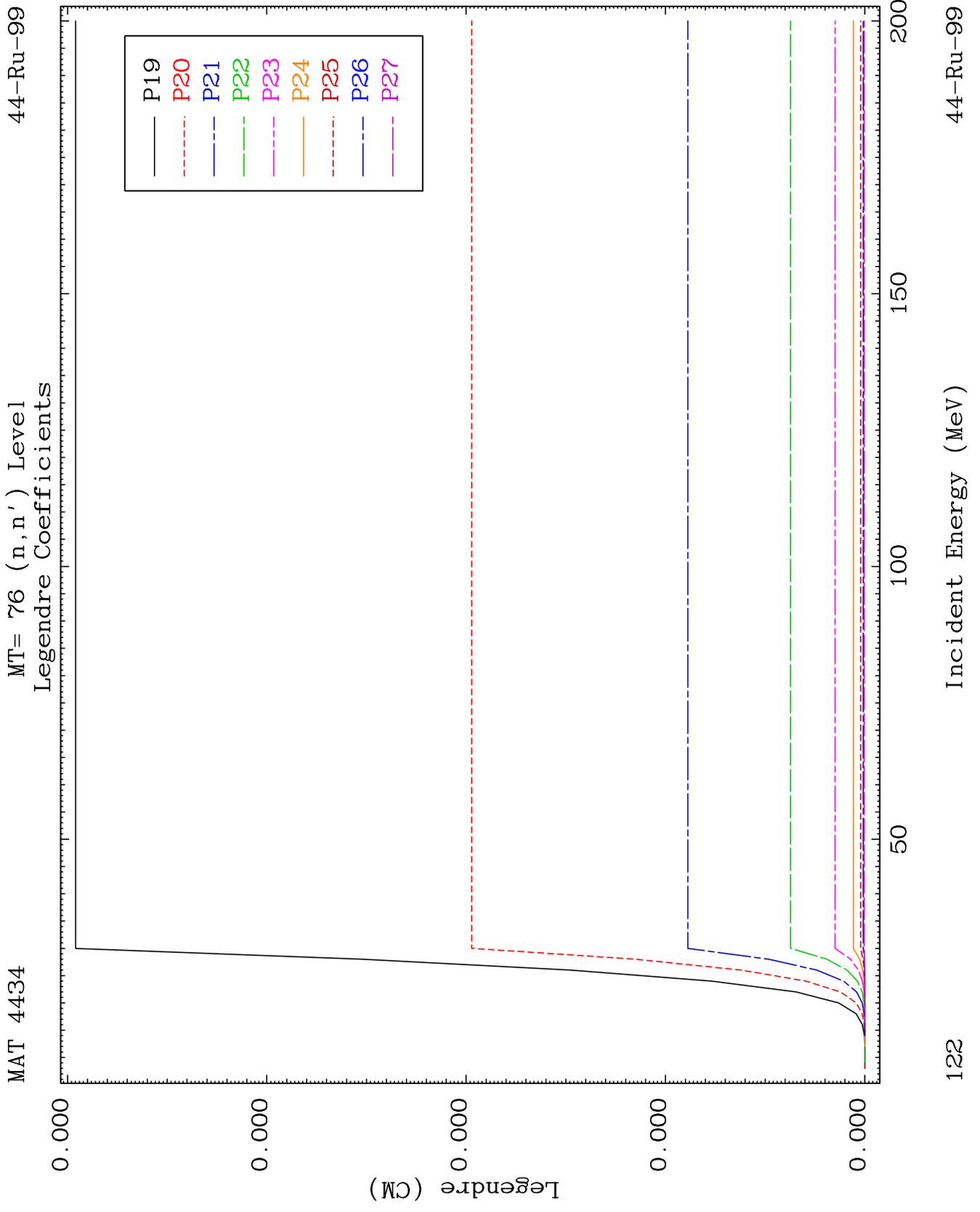
44-Ru-99



121

Incident Energy (MeV)

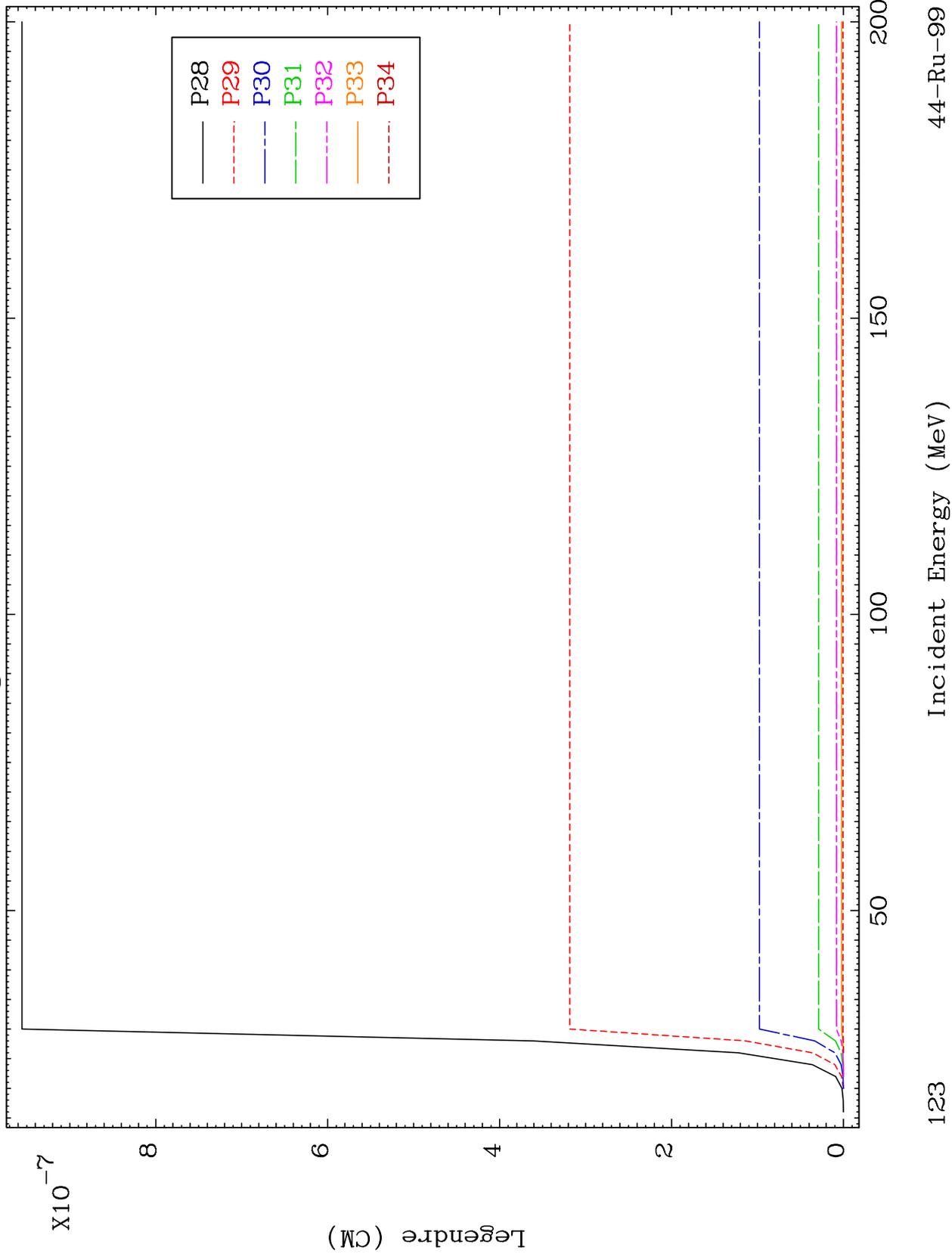
44-Ru-99



MAT 4434

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

44-Ru-99

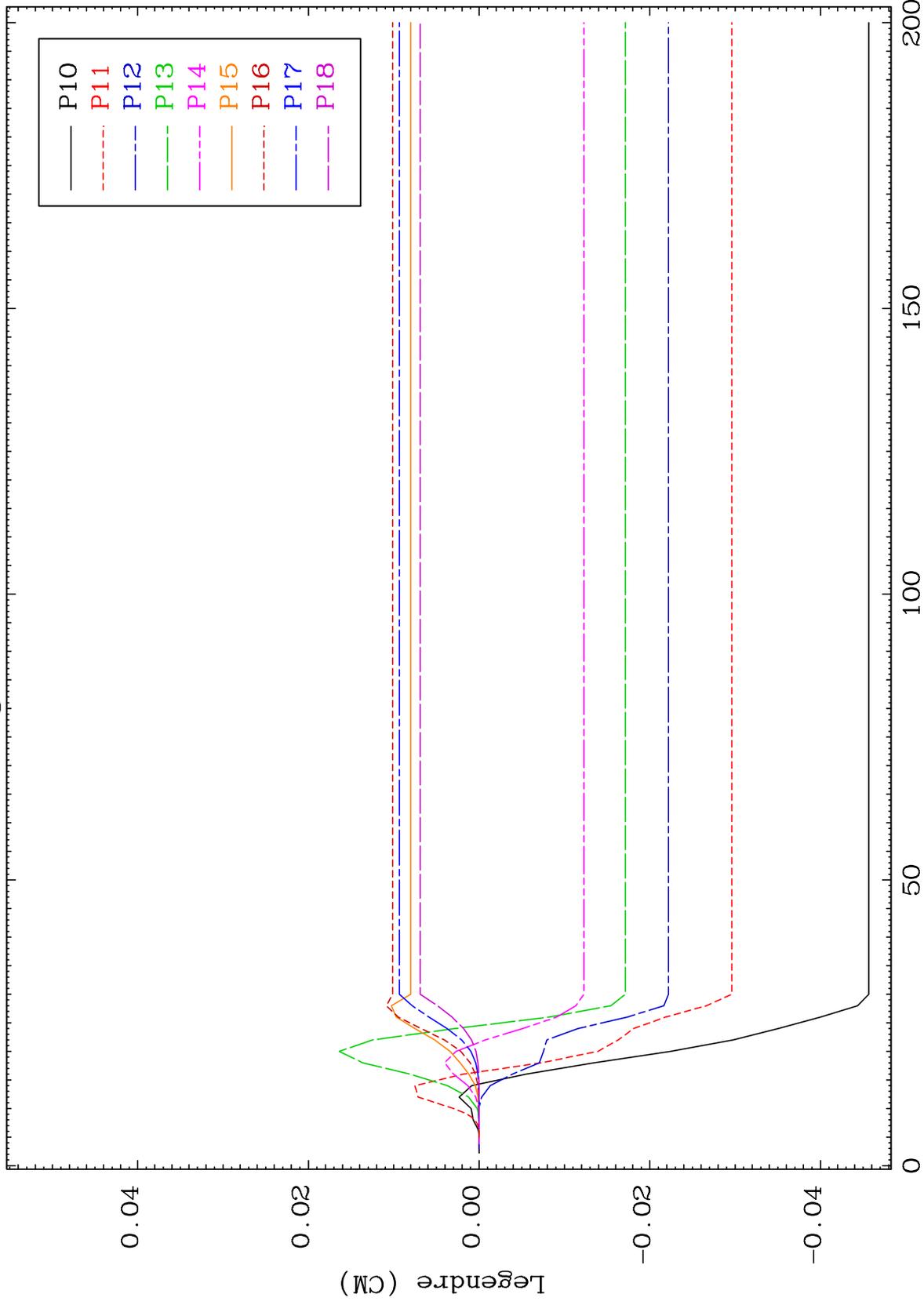


123

MAT 4434

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

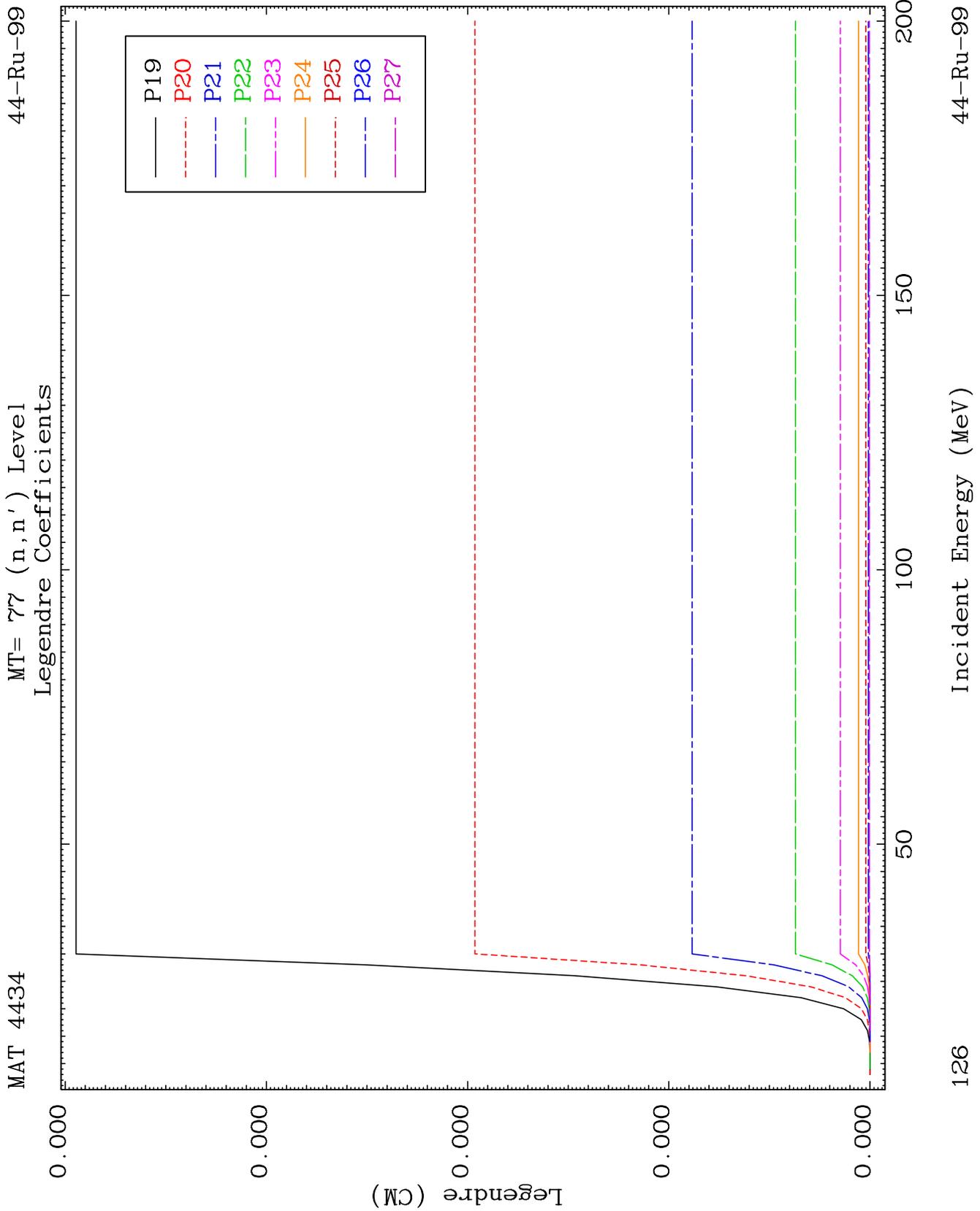
44-Ru-99



125

Incident Energy (MeV)

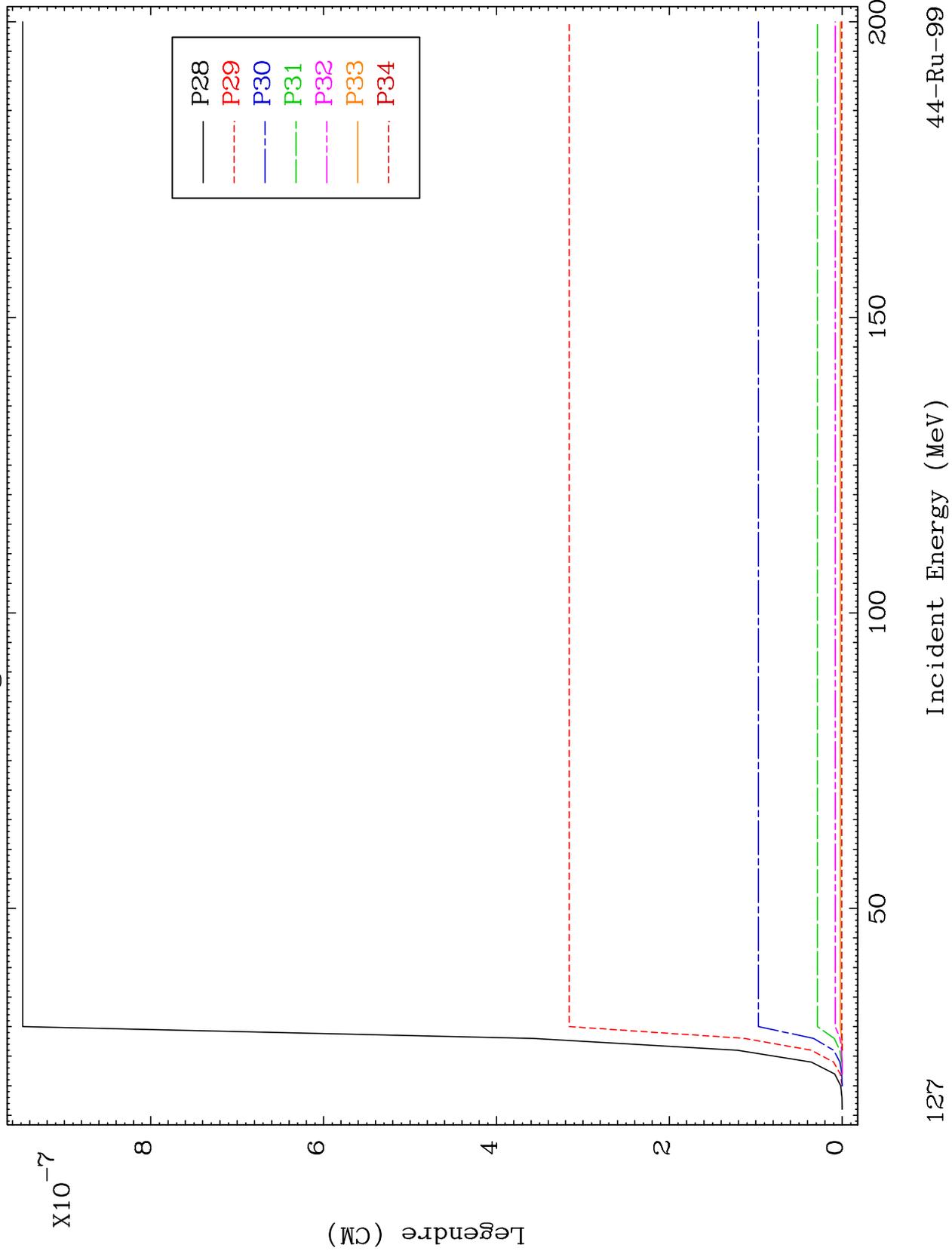
44-Ru-99



MAT 4434

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

44-Ru-99

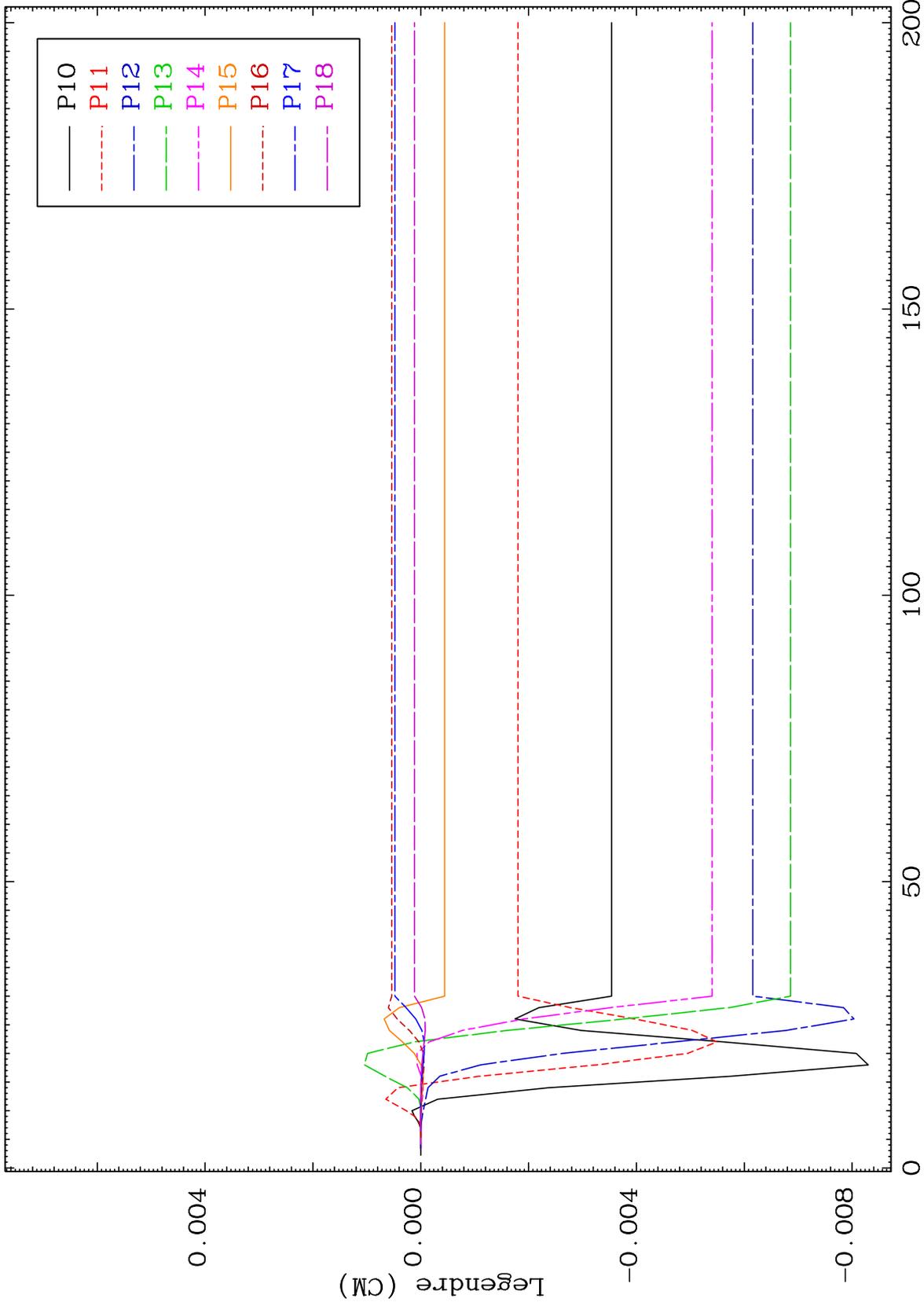


127

MAT 4434

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

44-Ru-99



129

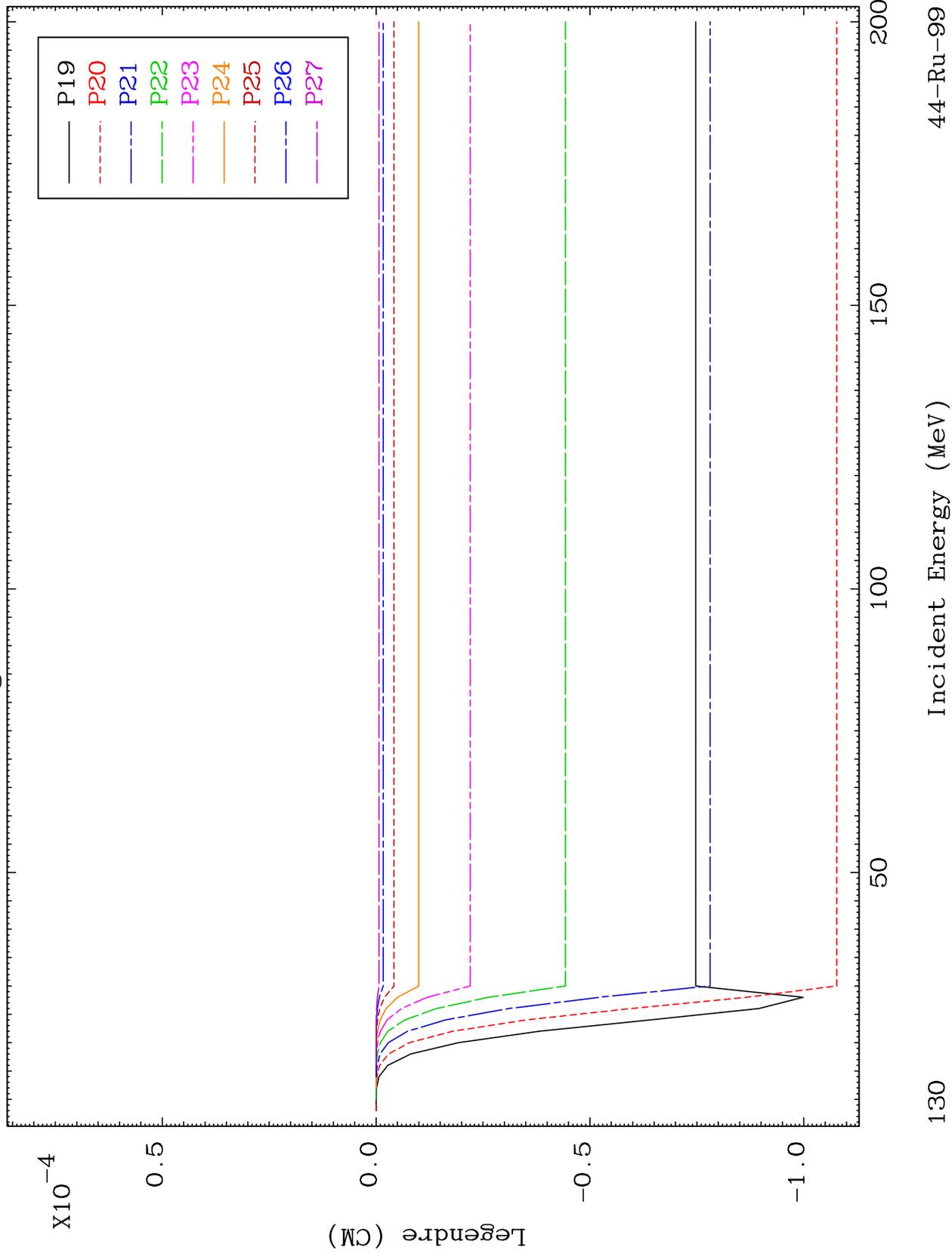
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

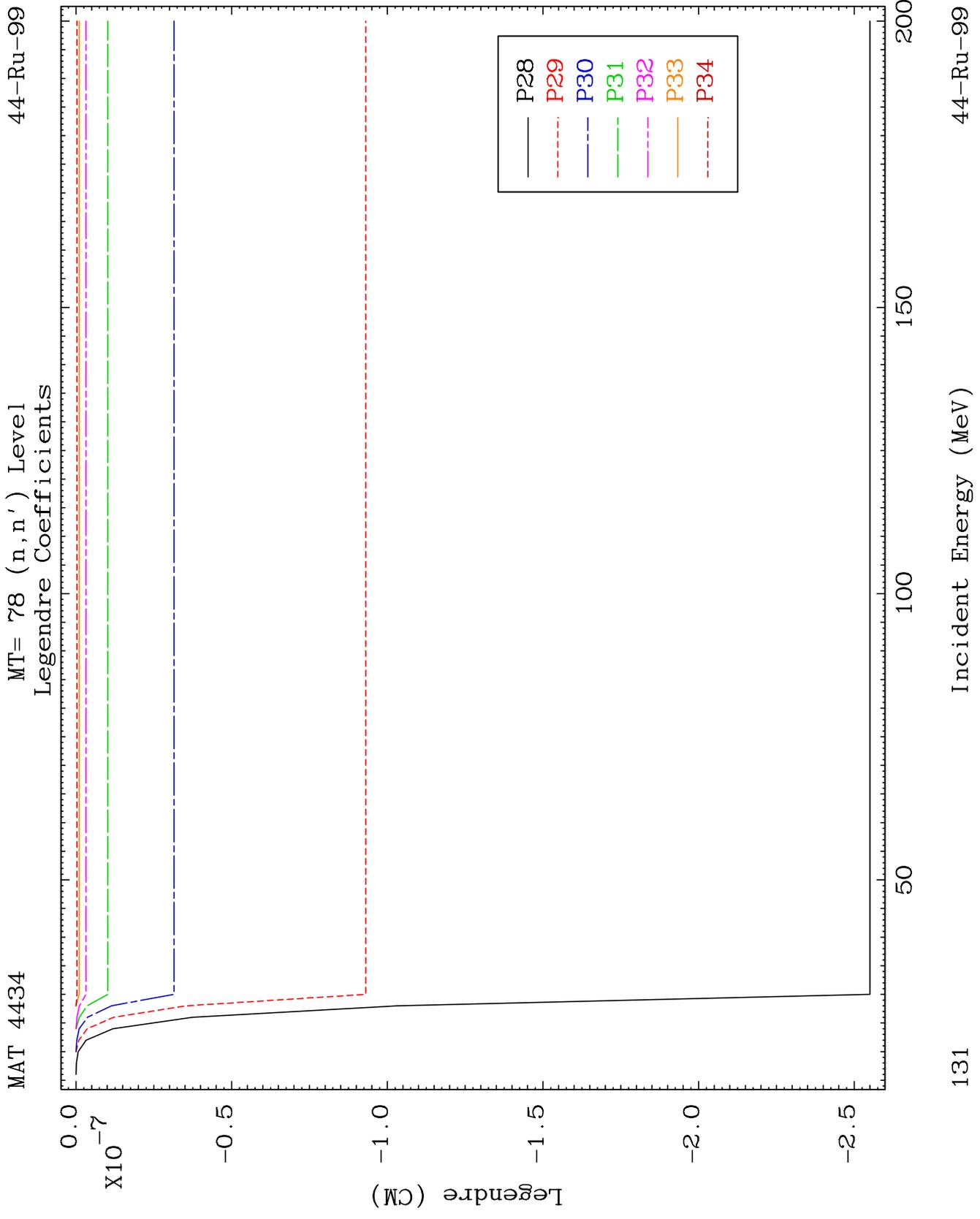
44-Ru-99

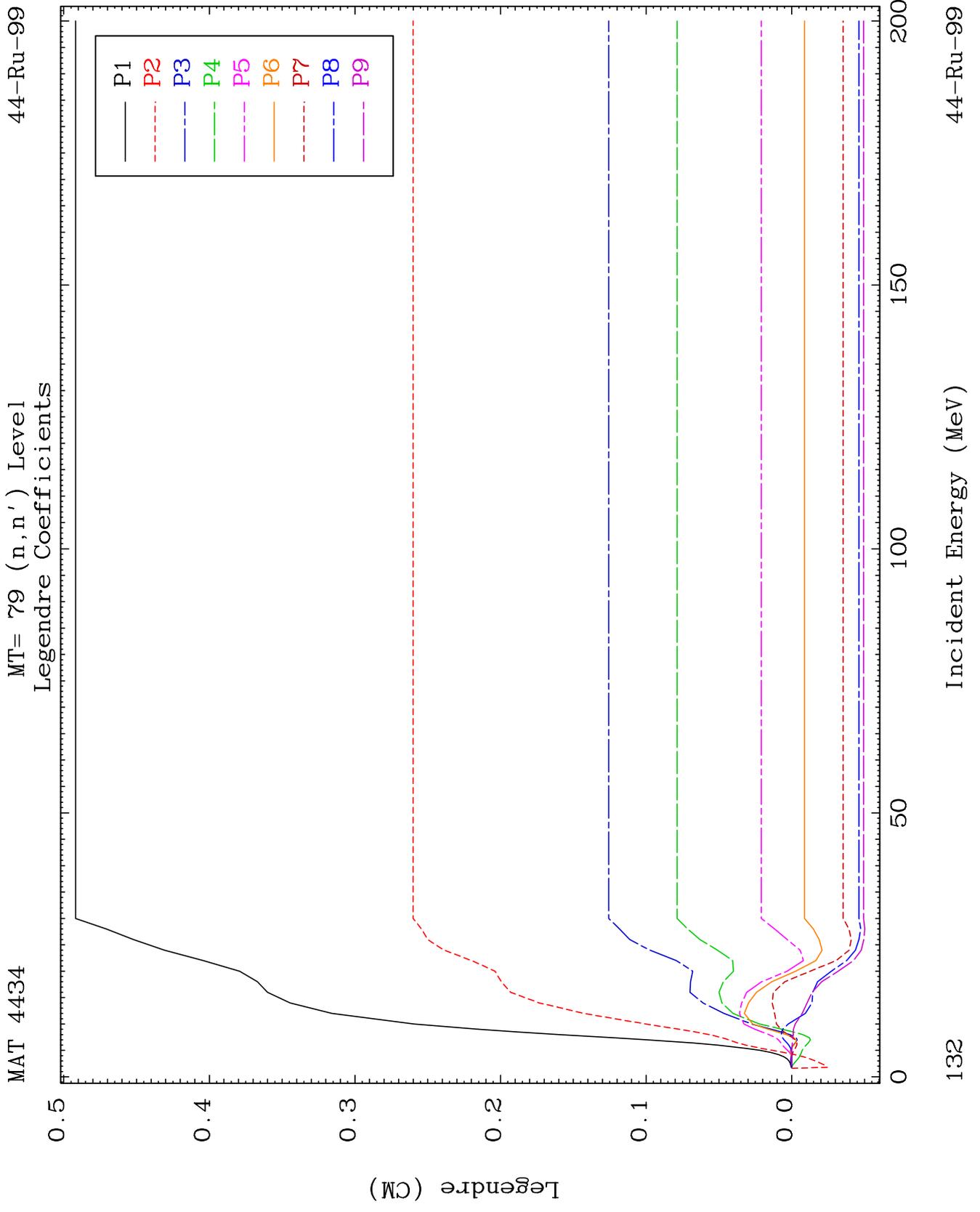


130

Incident Energy (MeV)

44-Ru-99

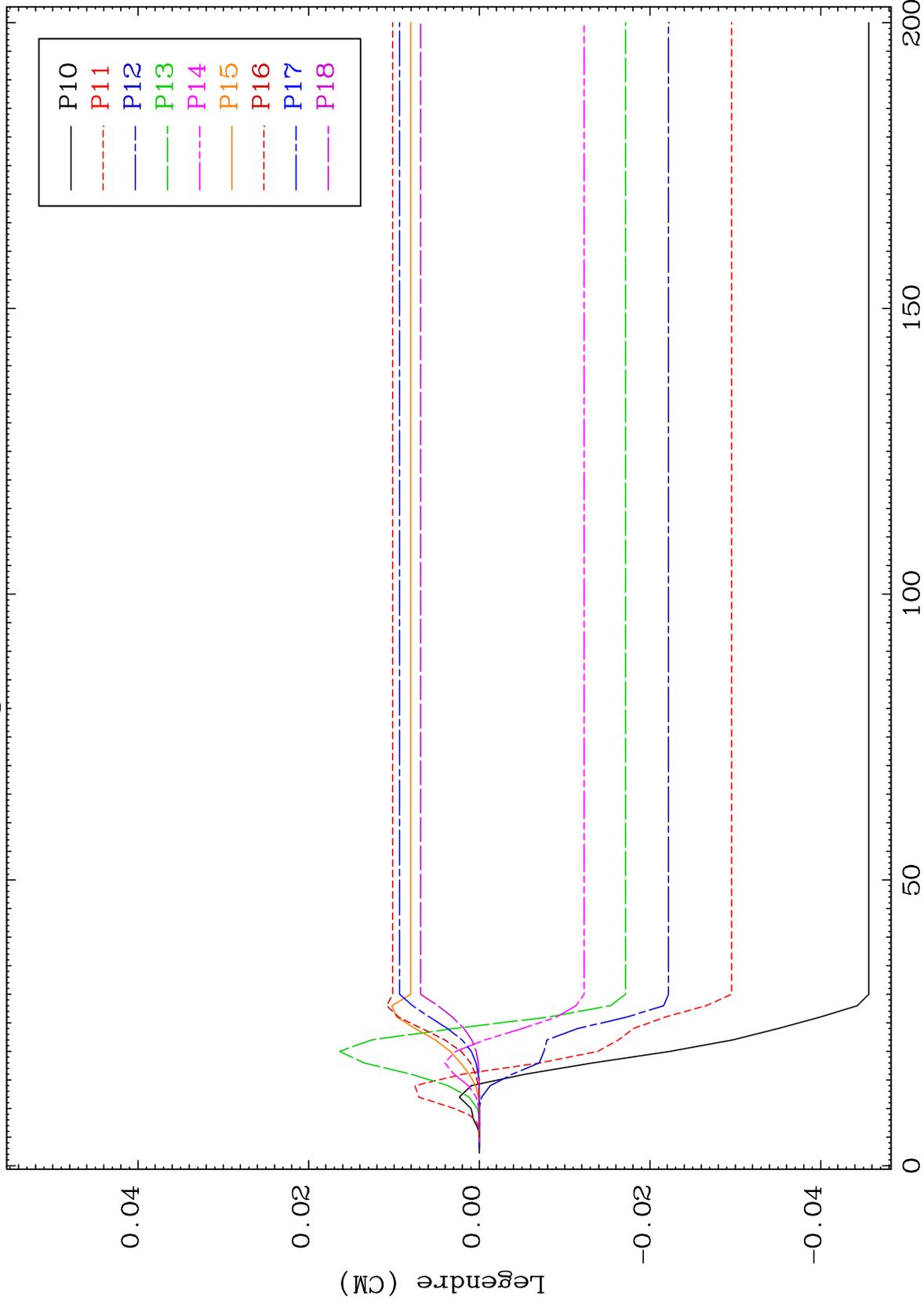




MAT 4434

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

44-Ru-99



133

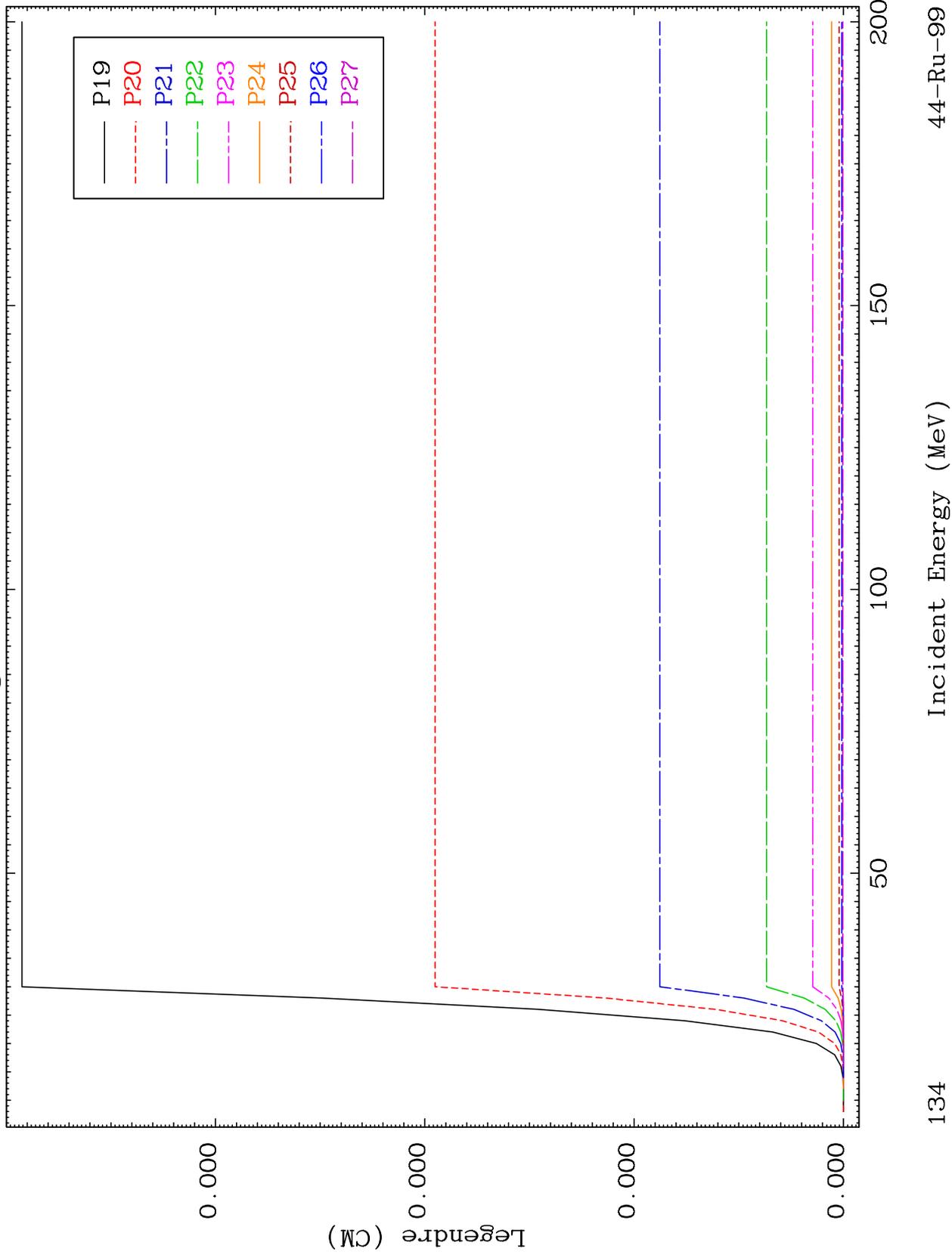
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

44-Ru-99



134

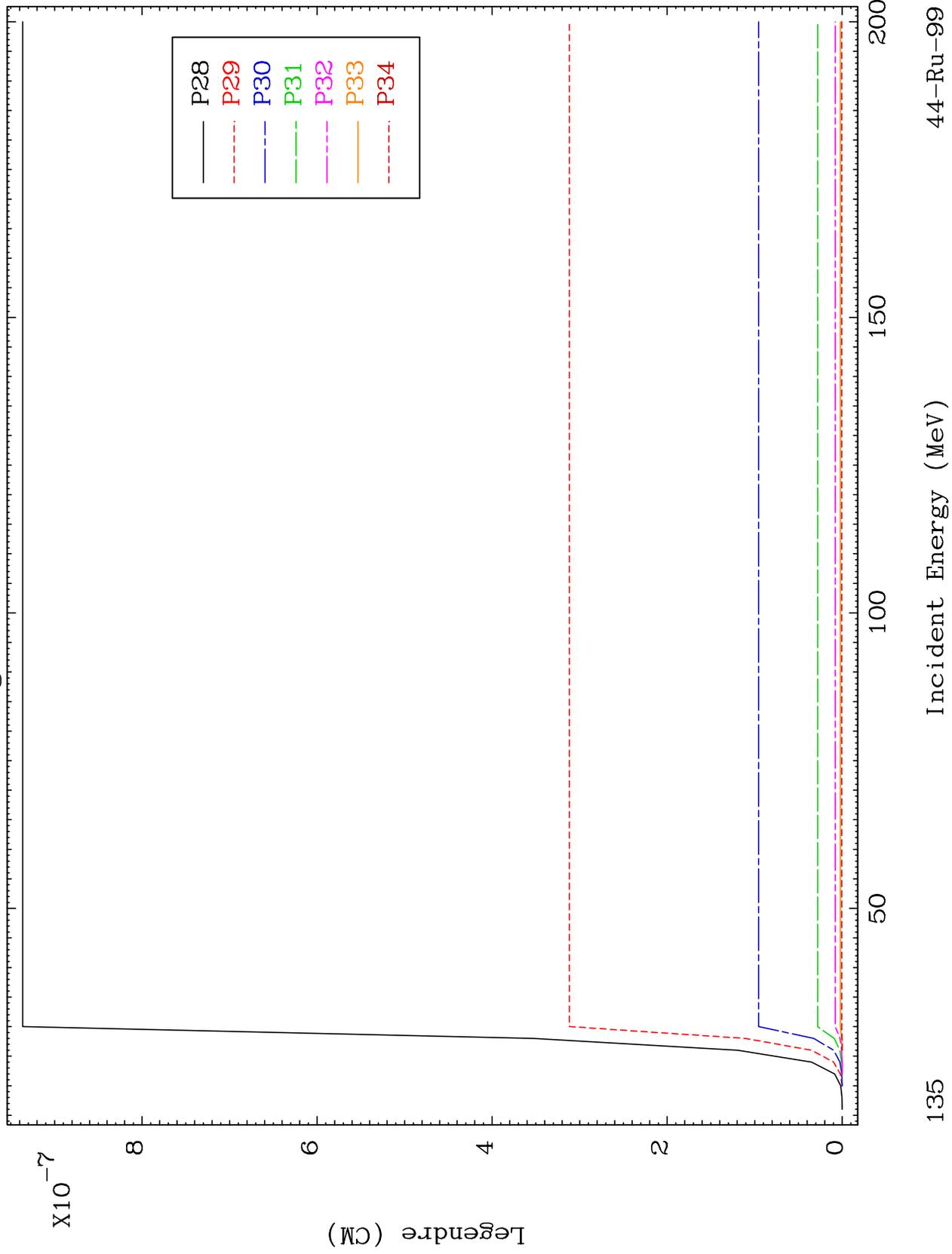
Incident Energy (MeV)

44-Ru-99

MAT 4434

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

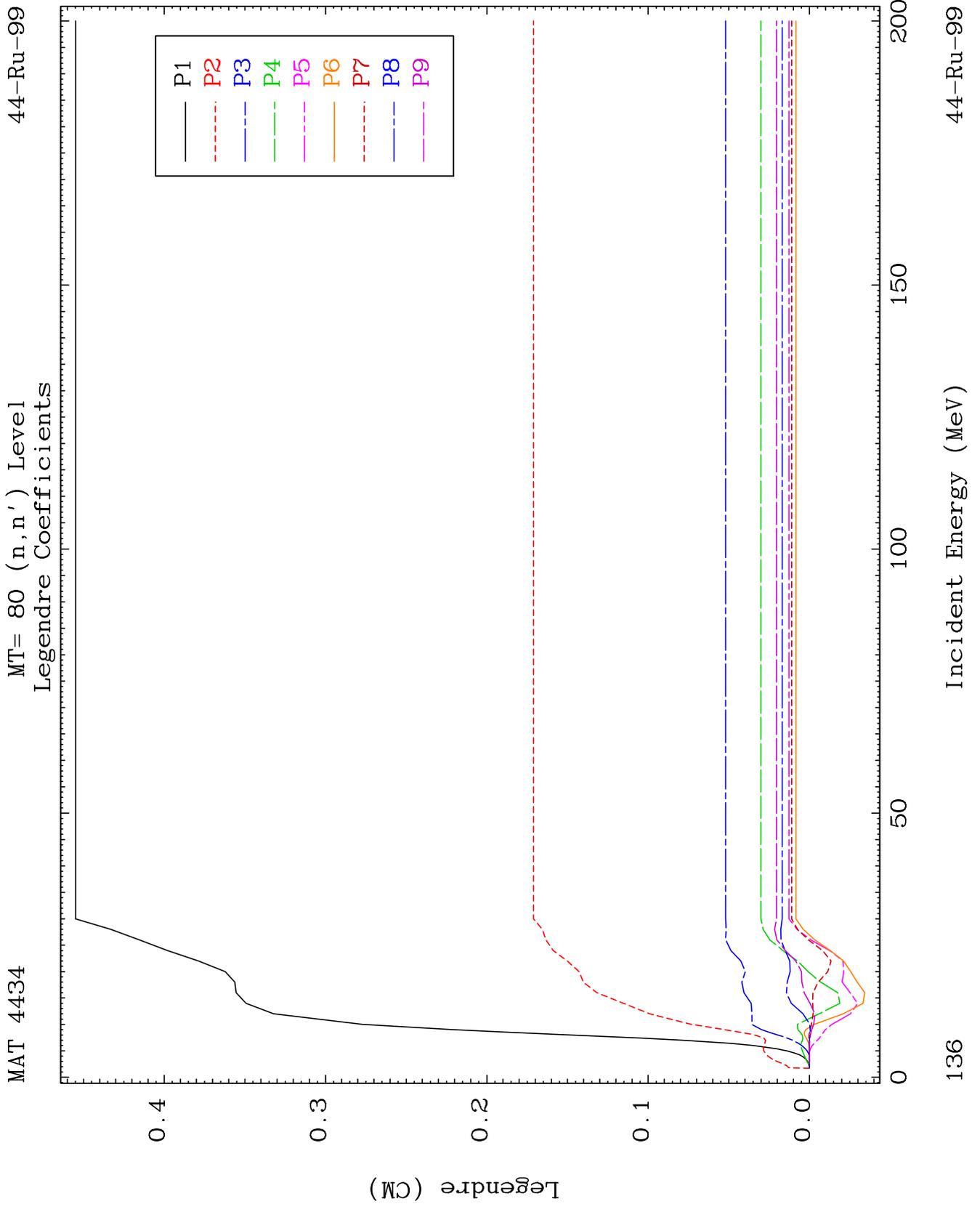
44-Ru-99



135

Incident Energy (MeV)

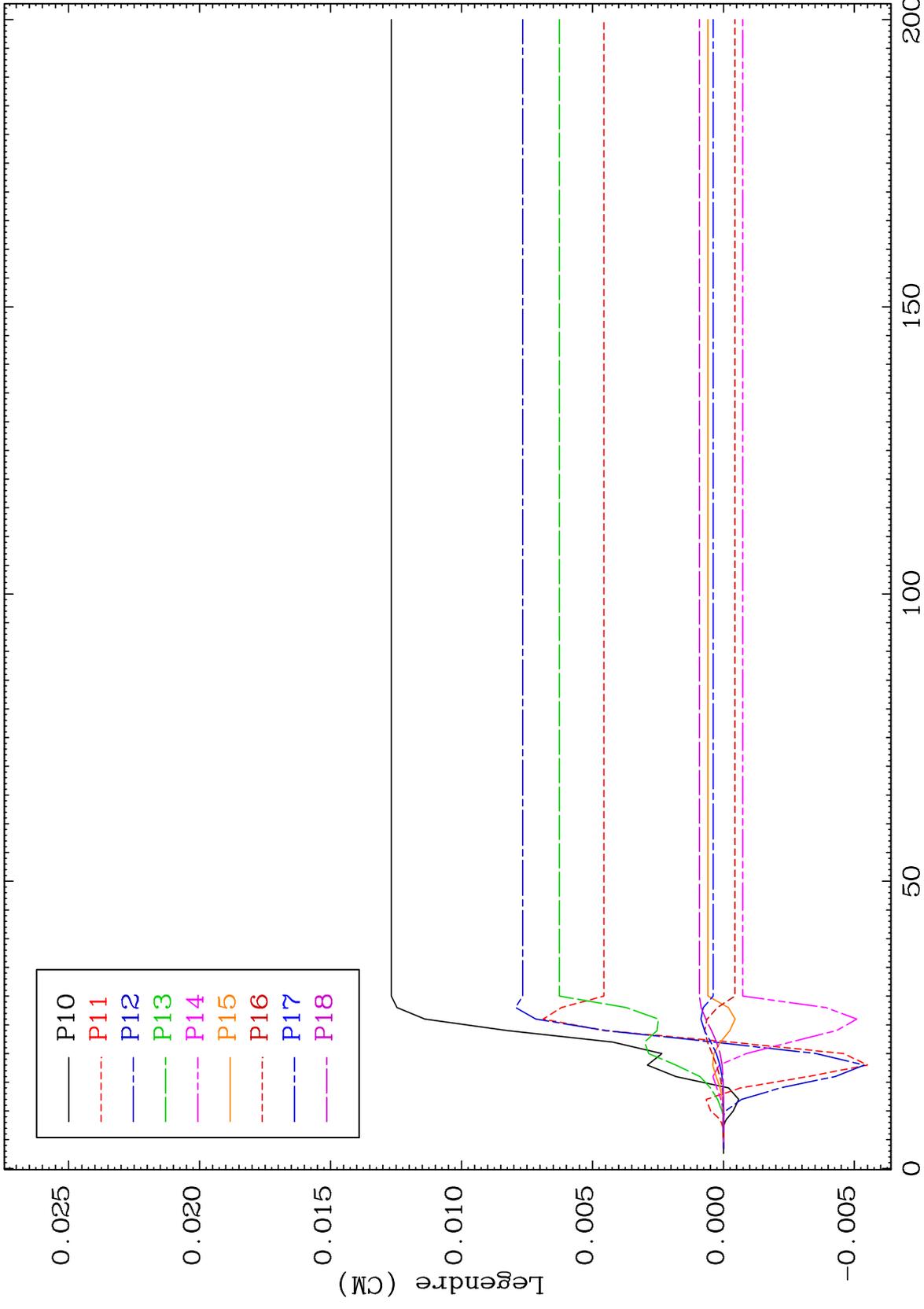
44-Ru-99



MAT 4434

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

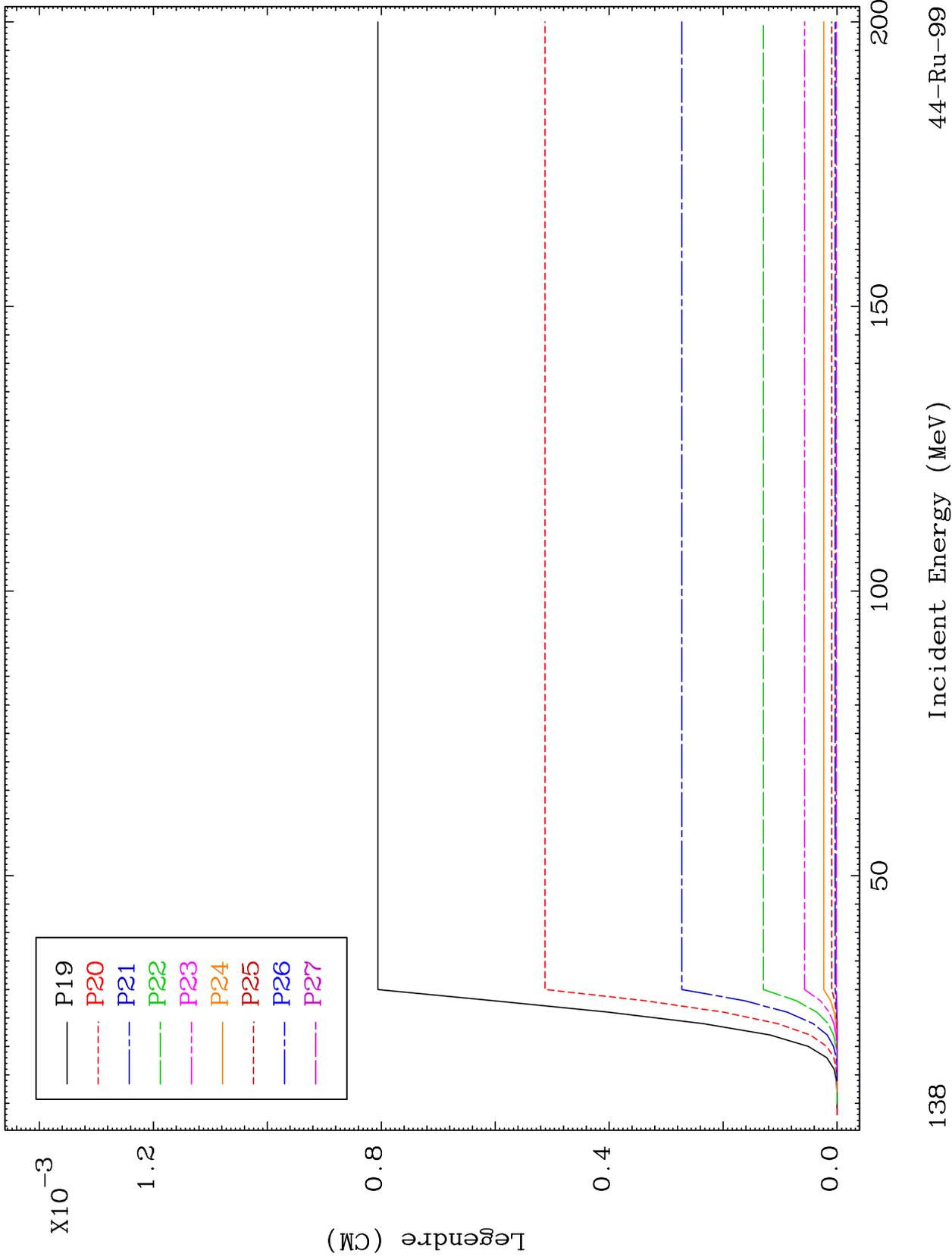
44-Ru-99



137

Incident Energy (MeV)

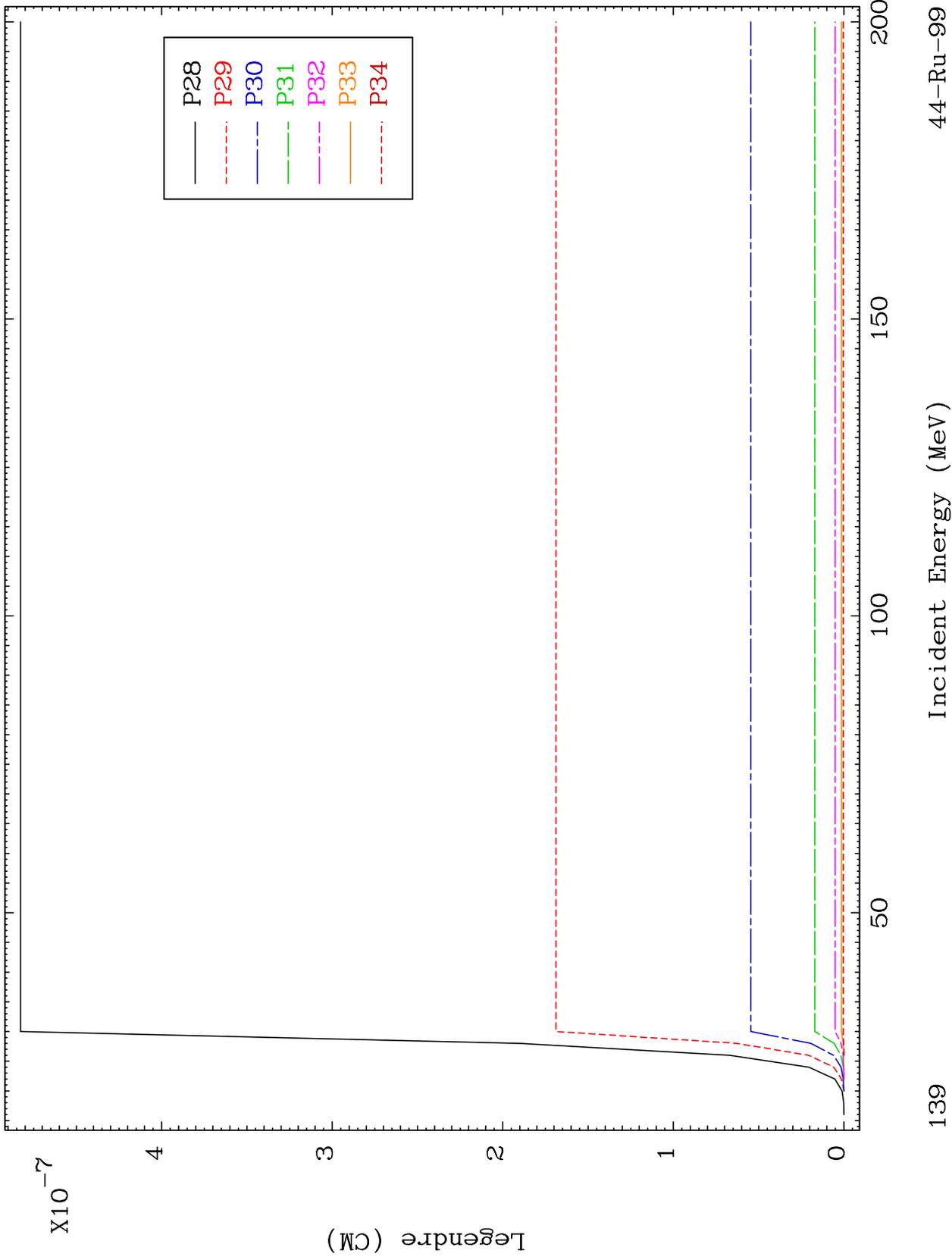
44-Ru-99



MAT 4434

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

44-Ru-99



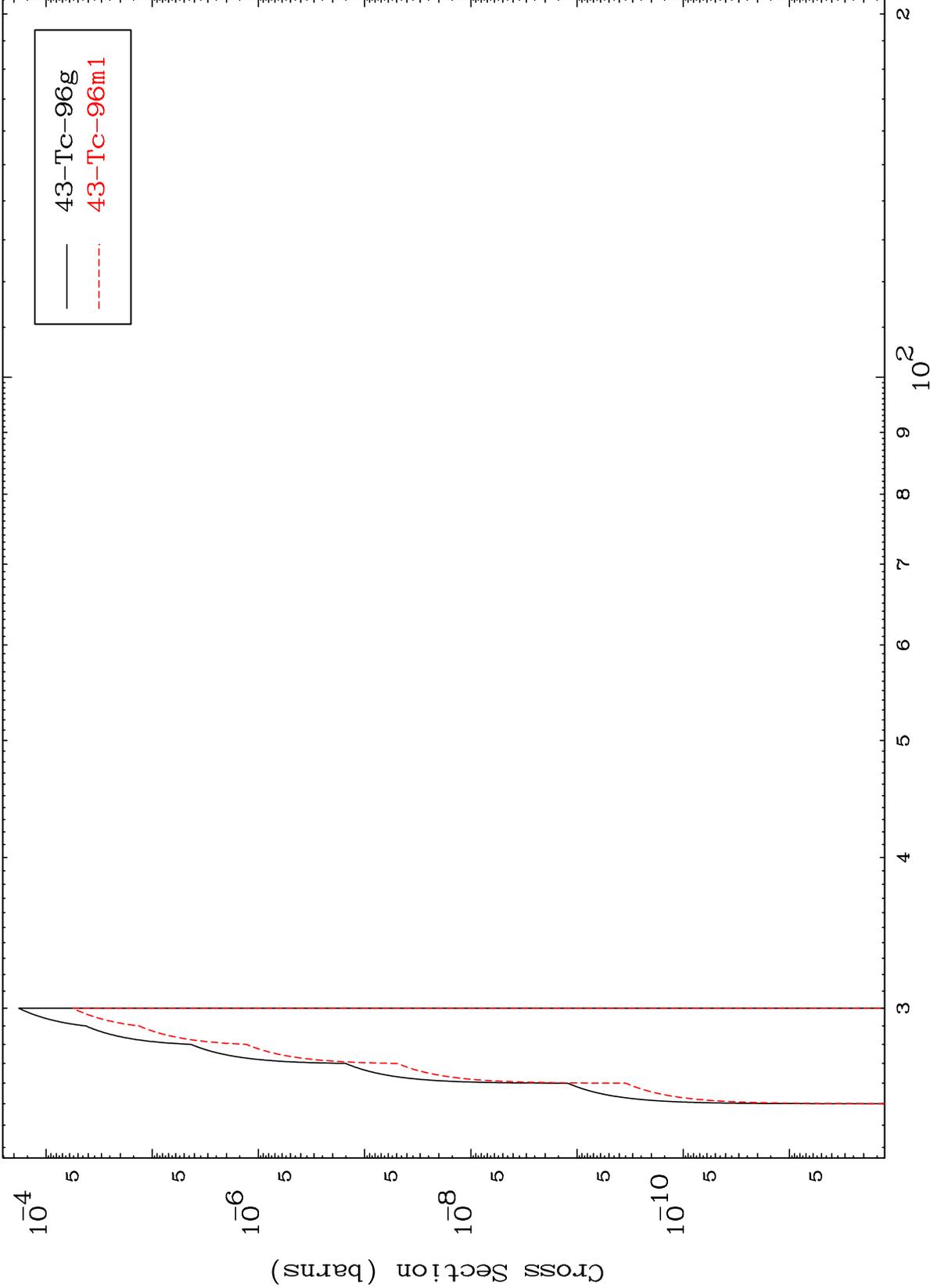
139

MAT 4434

(n,2n) d

44-Ru-99

Radionuclide Production Cross Section



140

Incident Energy (MeV)

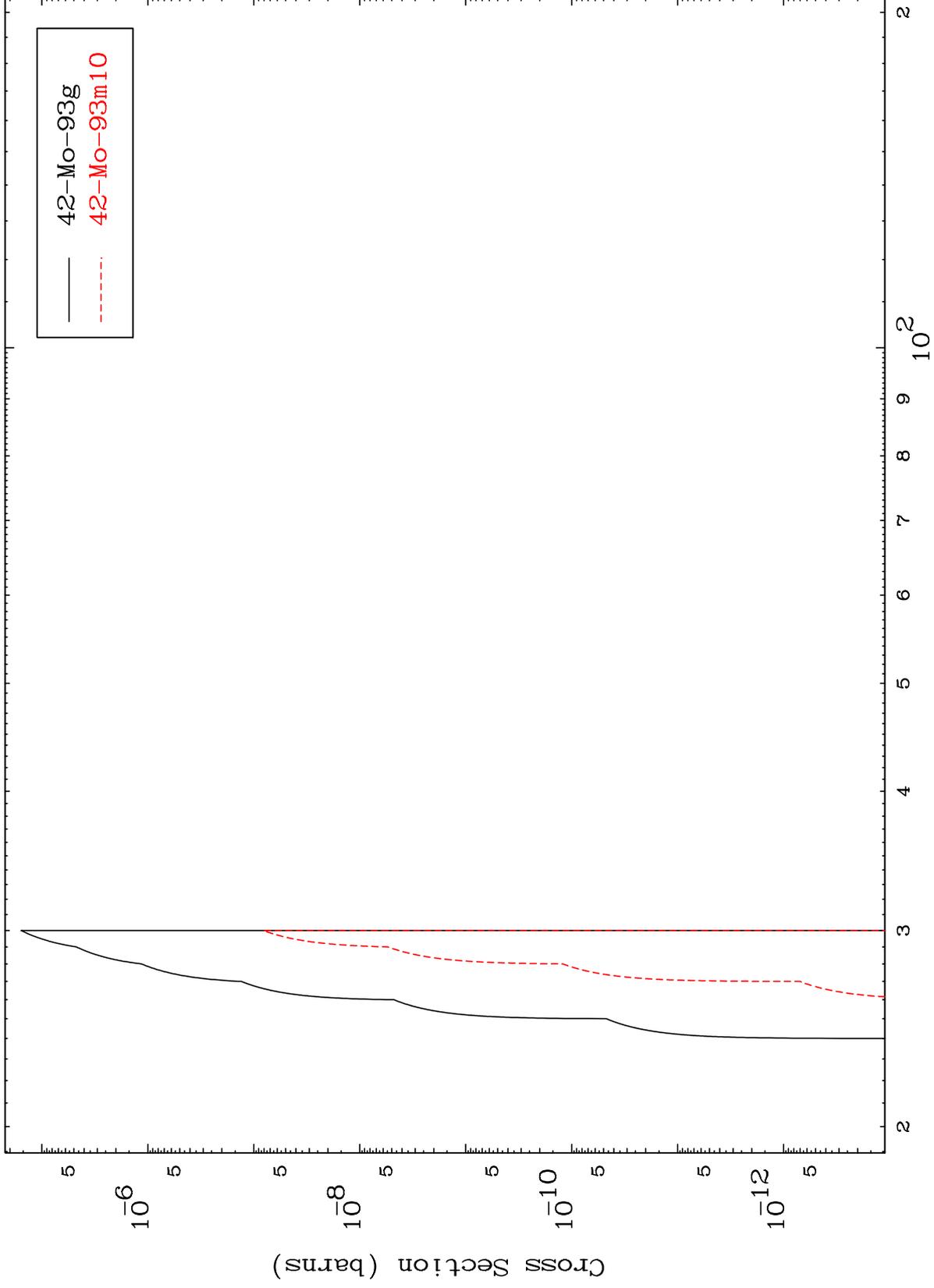
44-Ru-99

MAT 4434

(n,3n) α

44-Ru-99

Radionuclide Production Cross Section



141

Incident Energy (MeV)

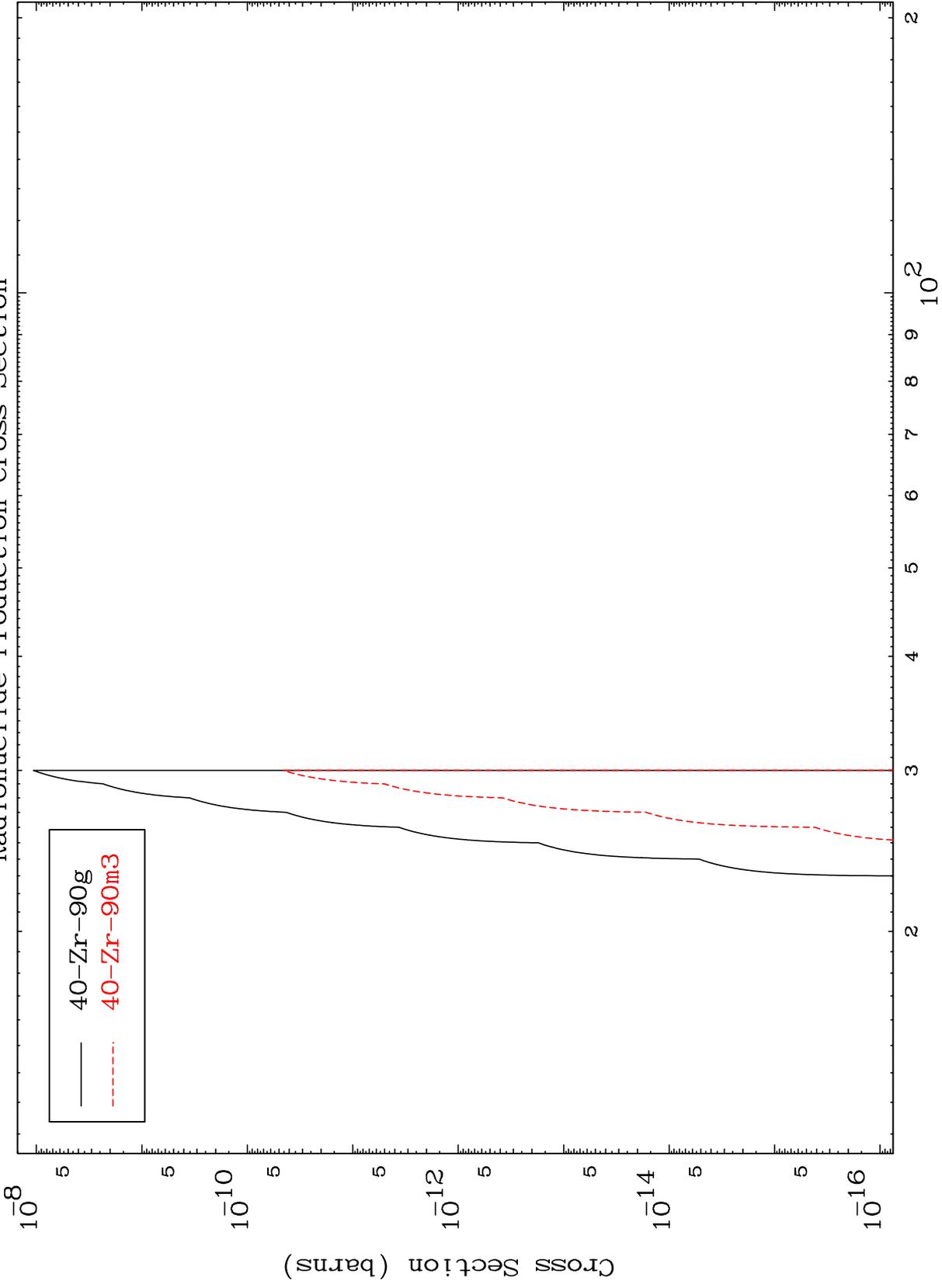
44-Ru-99

MAT 4434

(n,2n) 2 α

44-Ru-99

Radionuclide Production Cross Section



142

Incident Energy (MeV)

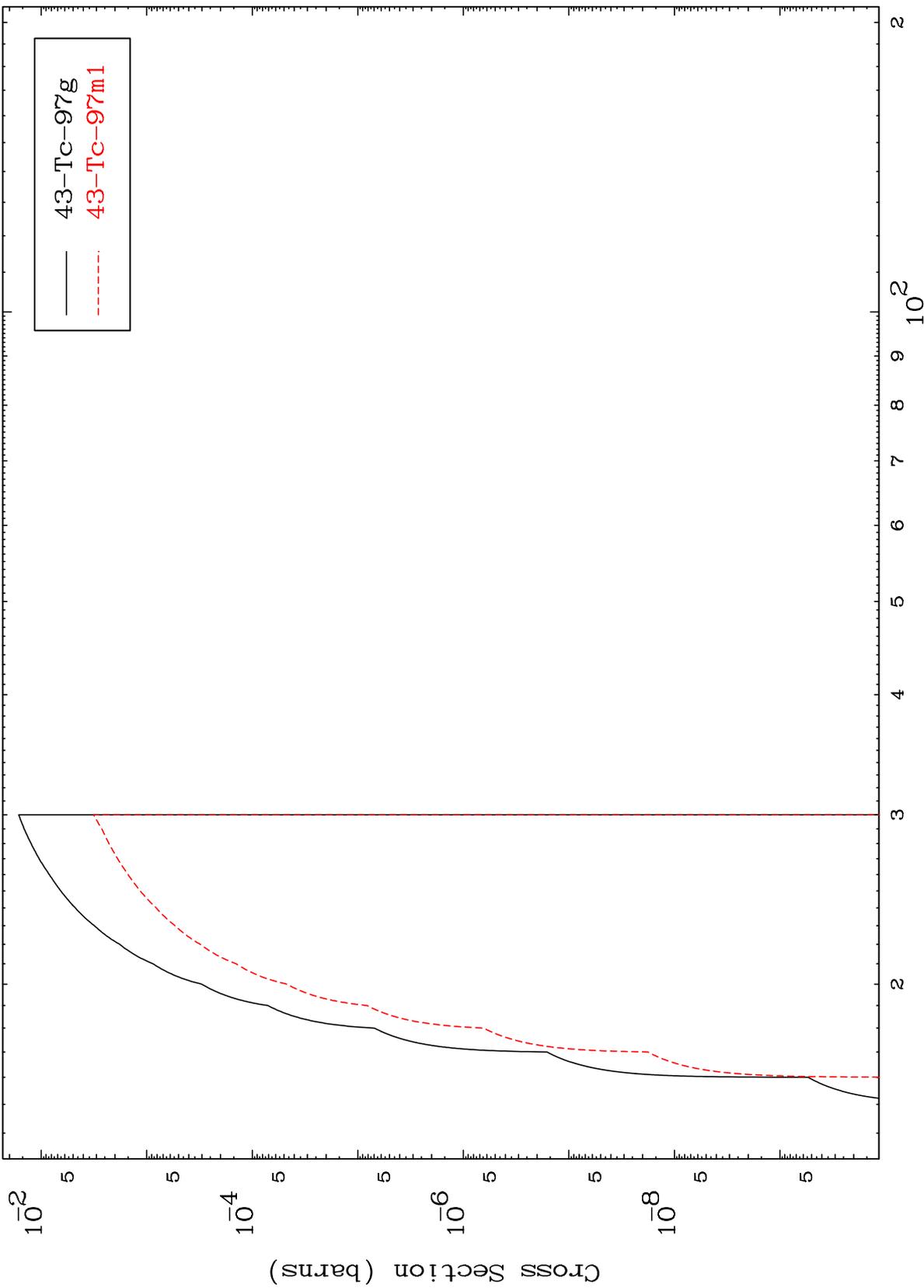
44-Ru-99

MAT 4434

(n,n') d

44-Ru-99

Radionuclide Production Cross Section

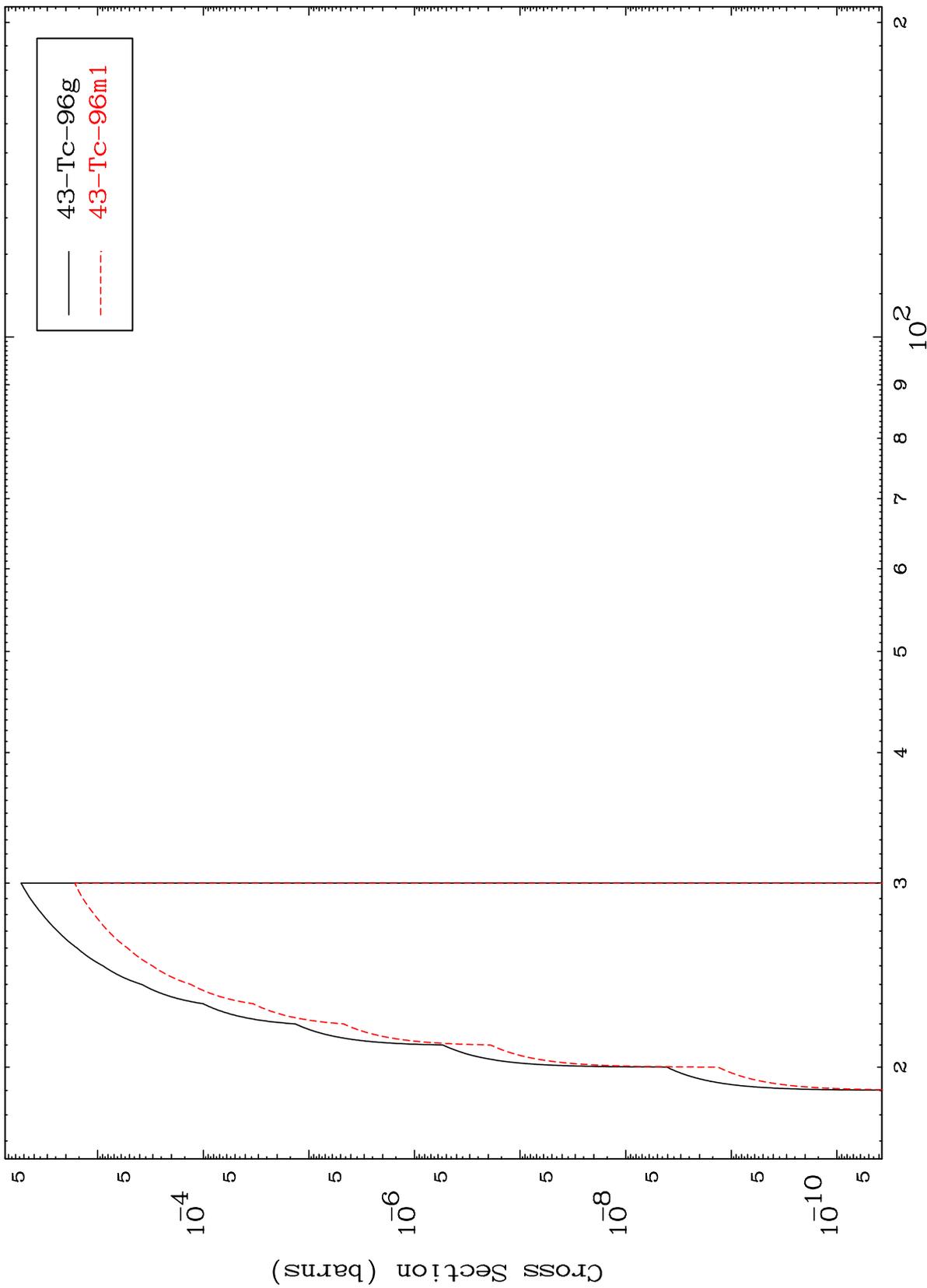


143

Incident Energy (MeV)

44-Ru-99

Radionuclide Production Cross Section

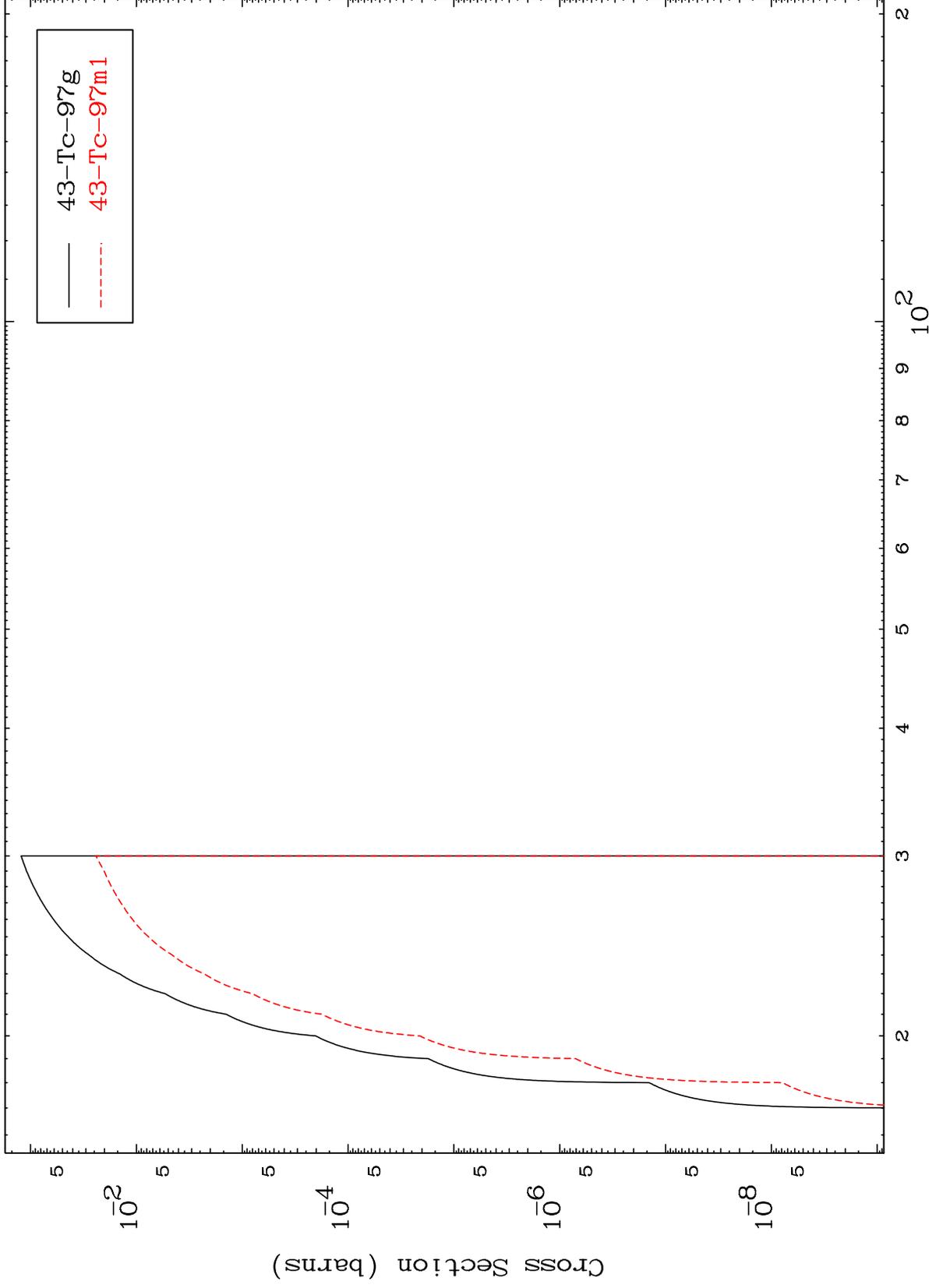


MAT 4434

(n,2n) p

44-Ru-99

Radionuclide Production Cross Section



145

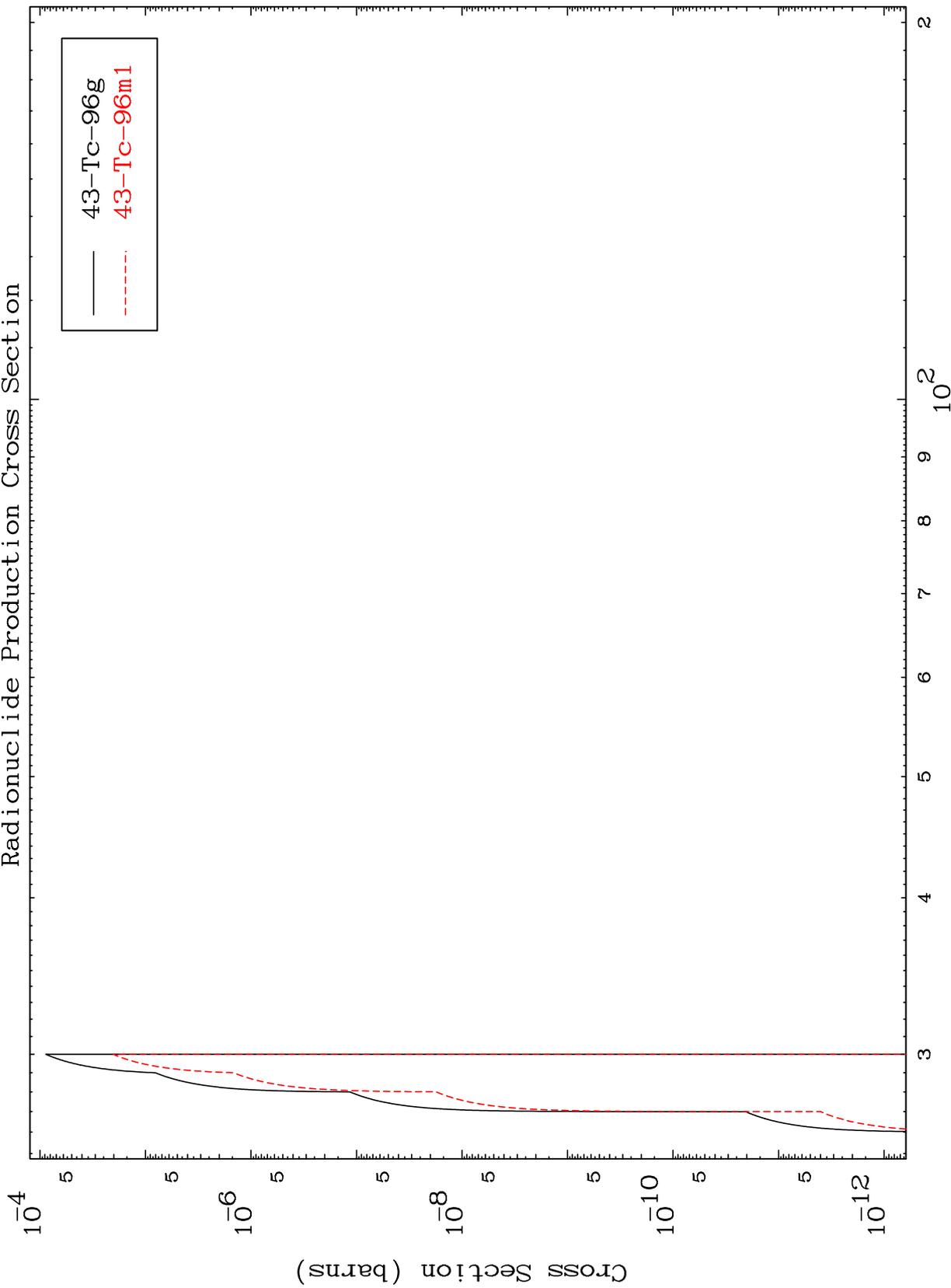
Incident Energy (MeV)

44-Ru-99

MAT 4434

44-Ru-99

(n,3n) p
Radionuclide Production Cross Section

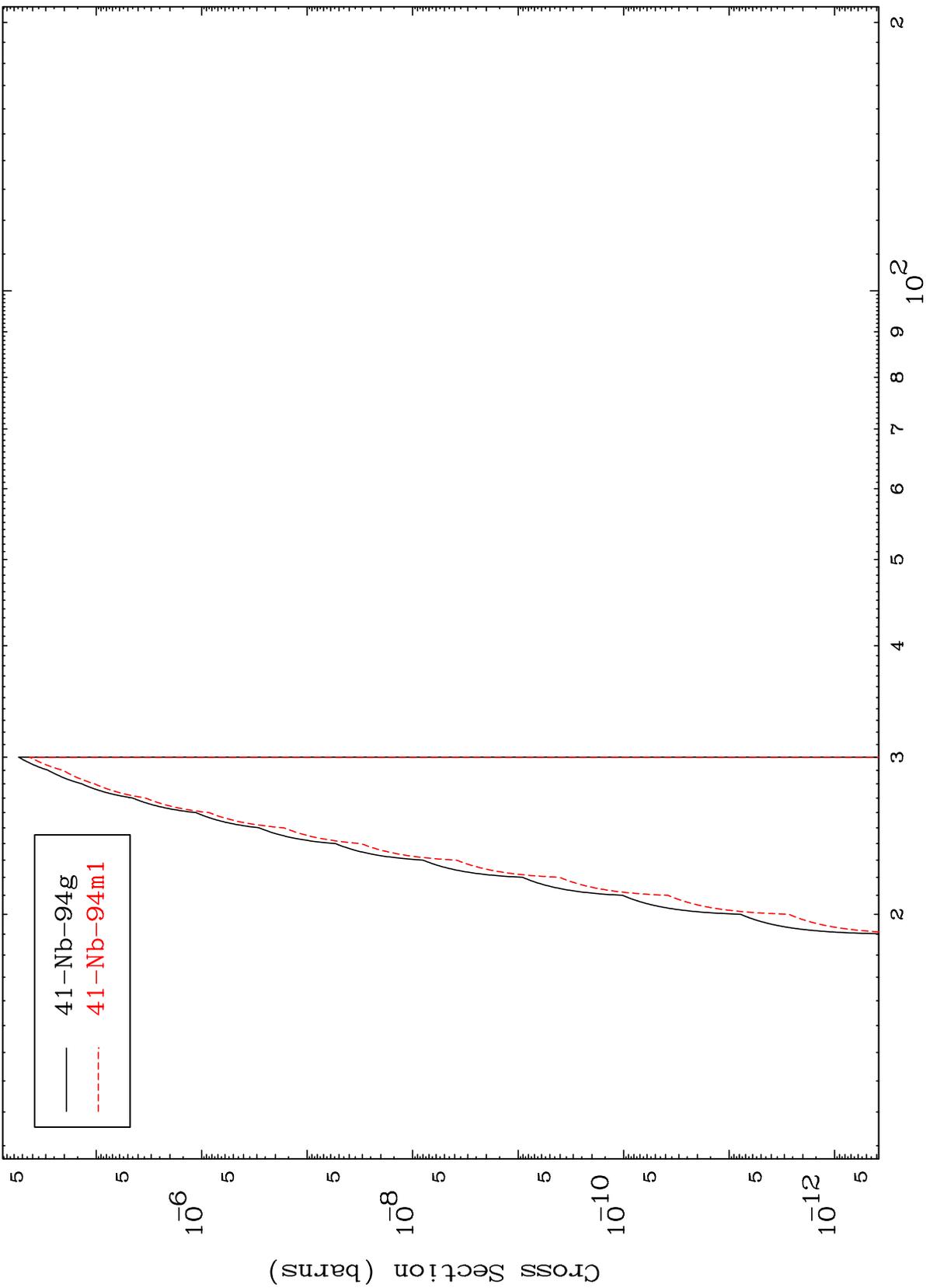


146

Incident Energy (MeV)

44-Ru-99

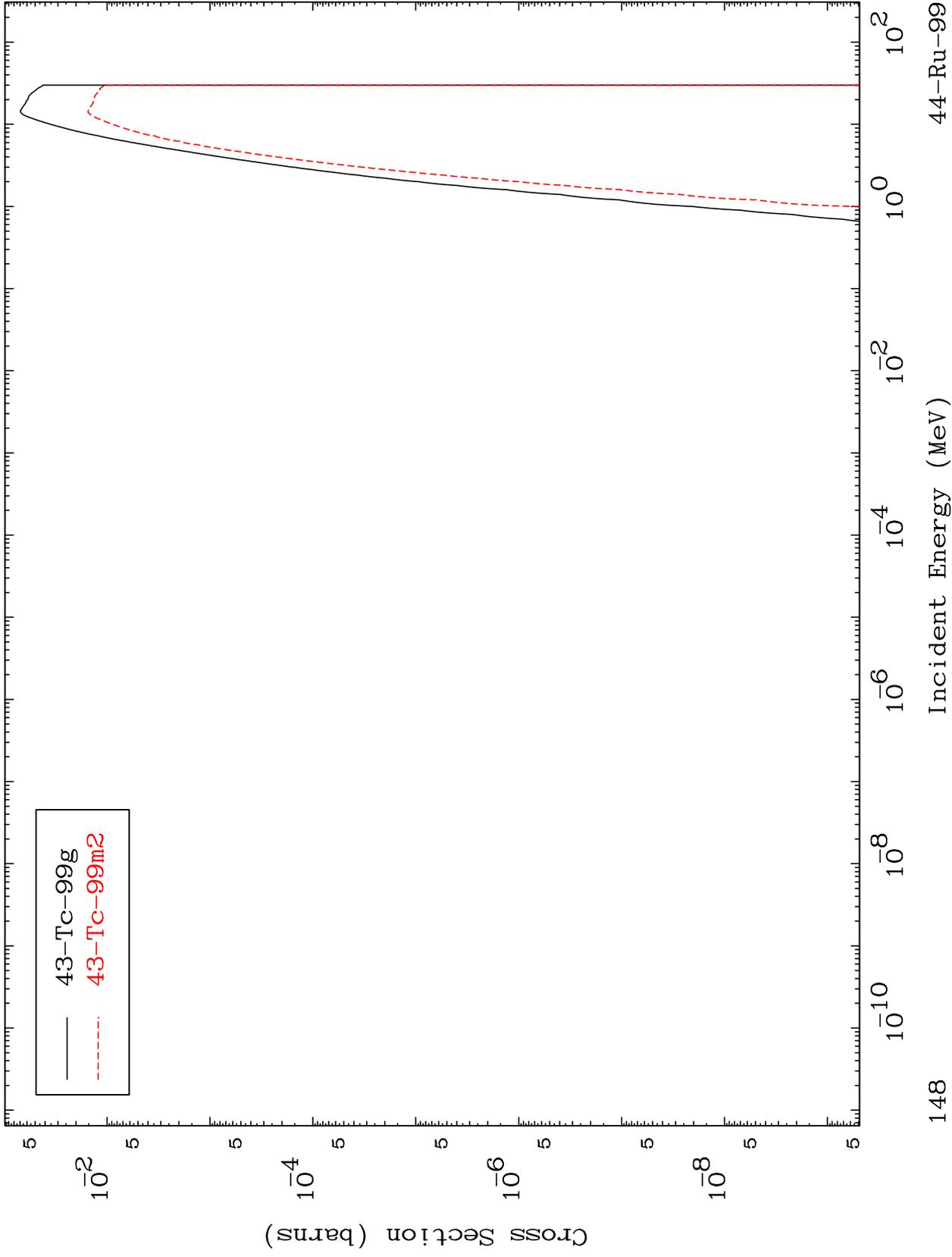
(n,n') p α
Radionuclide Production Cross Section



MAT 4434

Radionuclide Production Cross Section
(n,p)

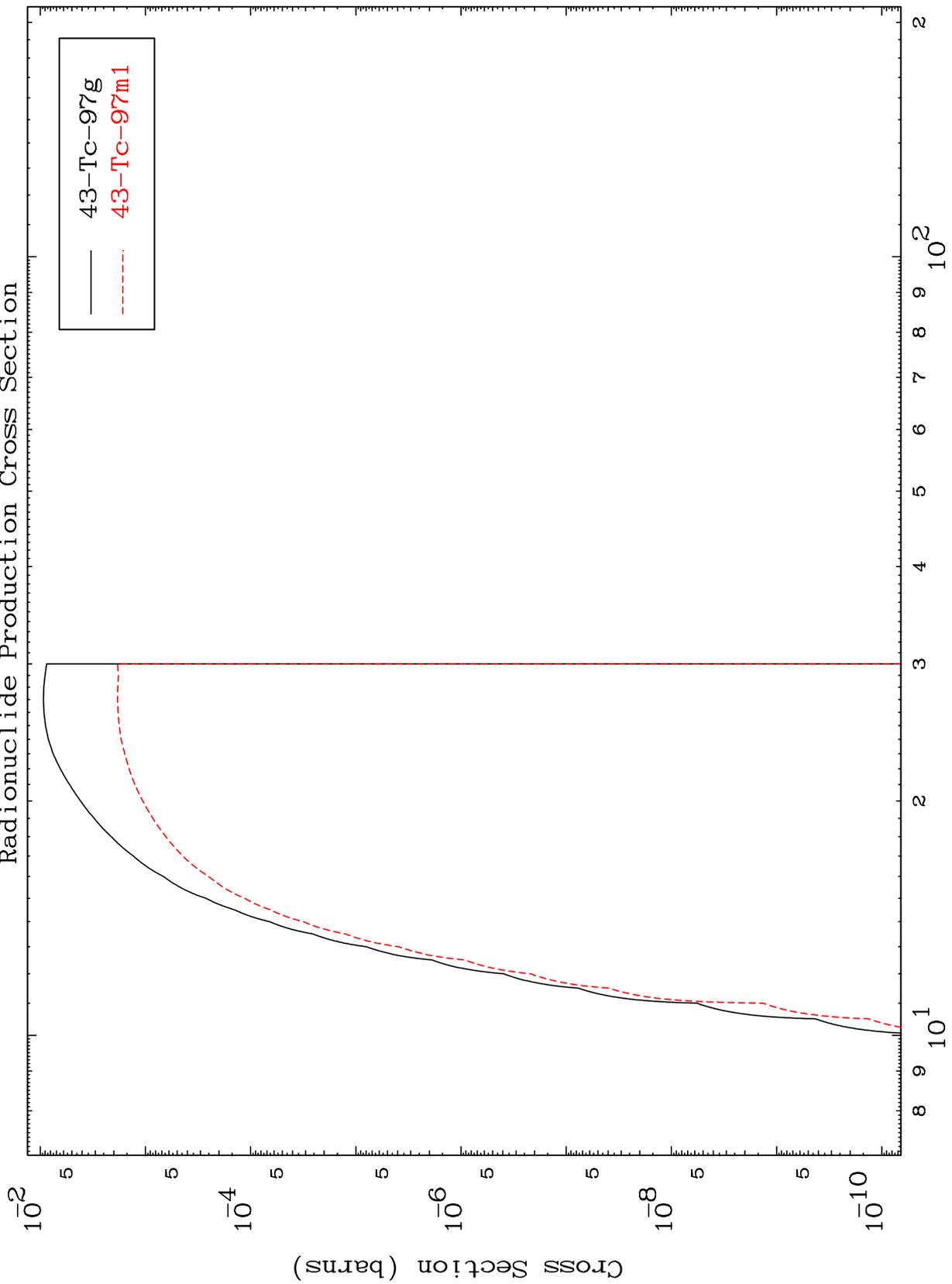
44-Ru-99



MAT 4434

44-Ru-99

(n, t)
Radionuclide Production Cross Section



149

Incident Energy (MeV)

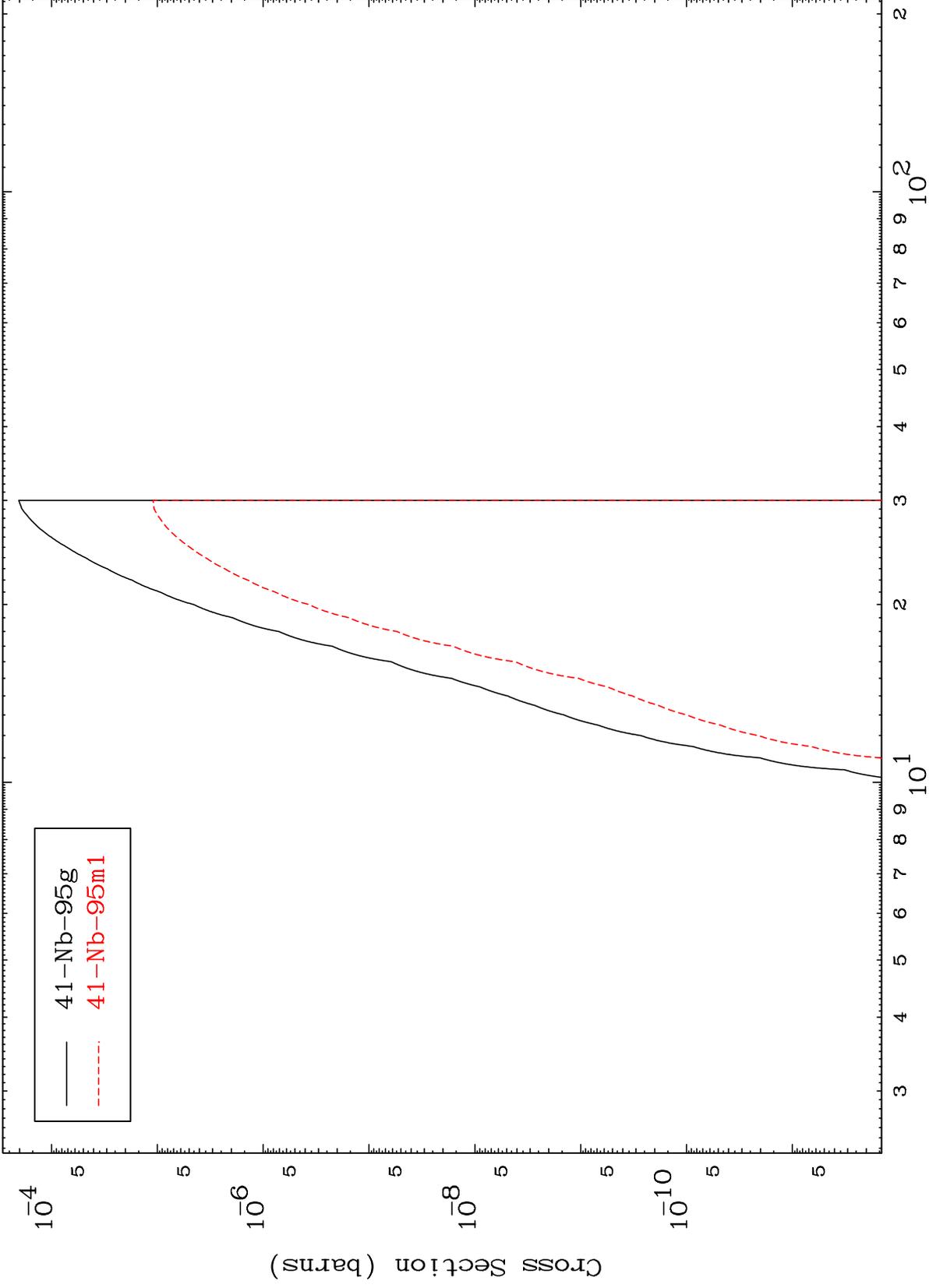
44-Ru-99

MAT 4434

(n,p) α

44-Ru-99

Radionuclide Production Cross Section



150

Incident Energy (MeV)

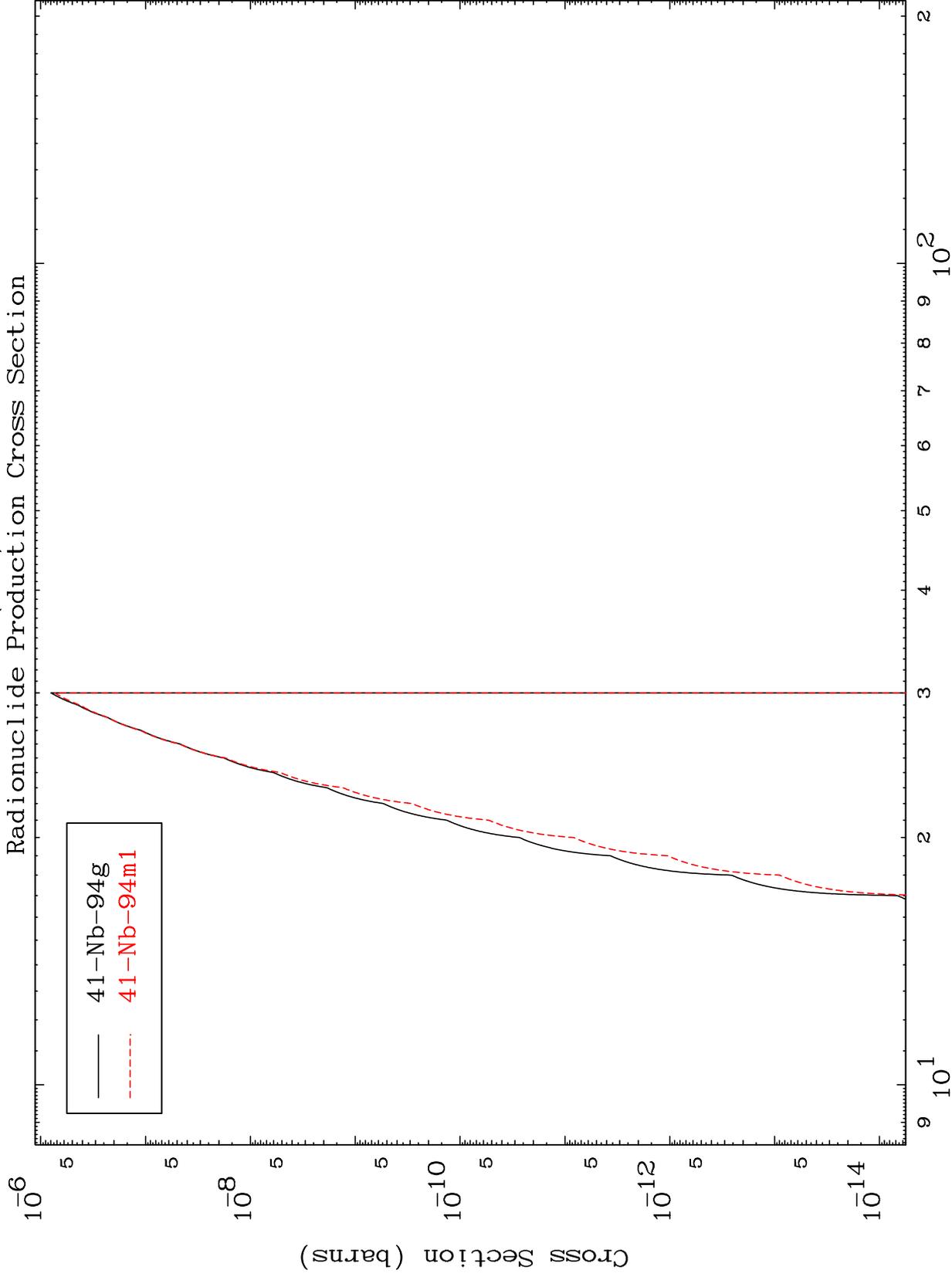
44-Ru-99

MAT 4434

(n,d) α

44-Ru-99

Radionuclide Production Cross Section



41-Nb-94g
41-Nb-94m1