

Program EVALPLOT  
(Version 2021-1)

by

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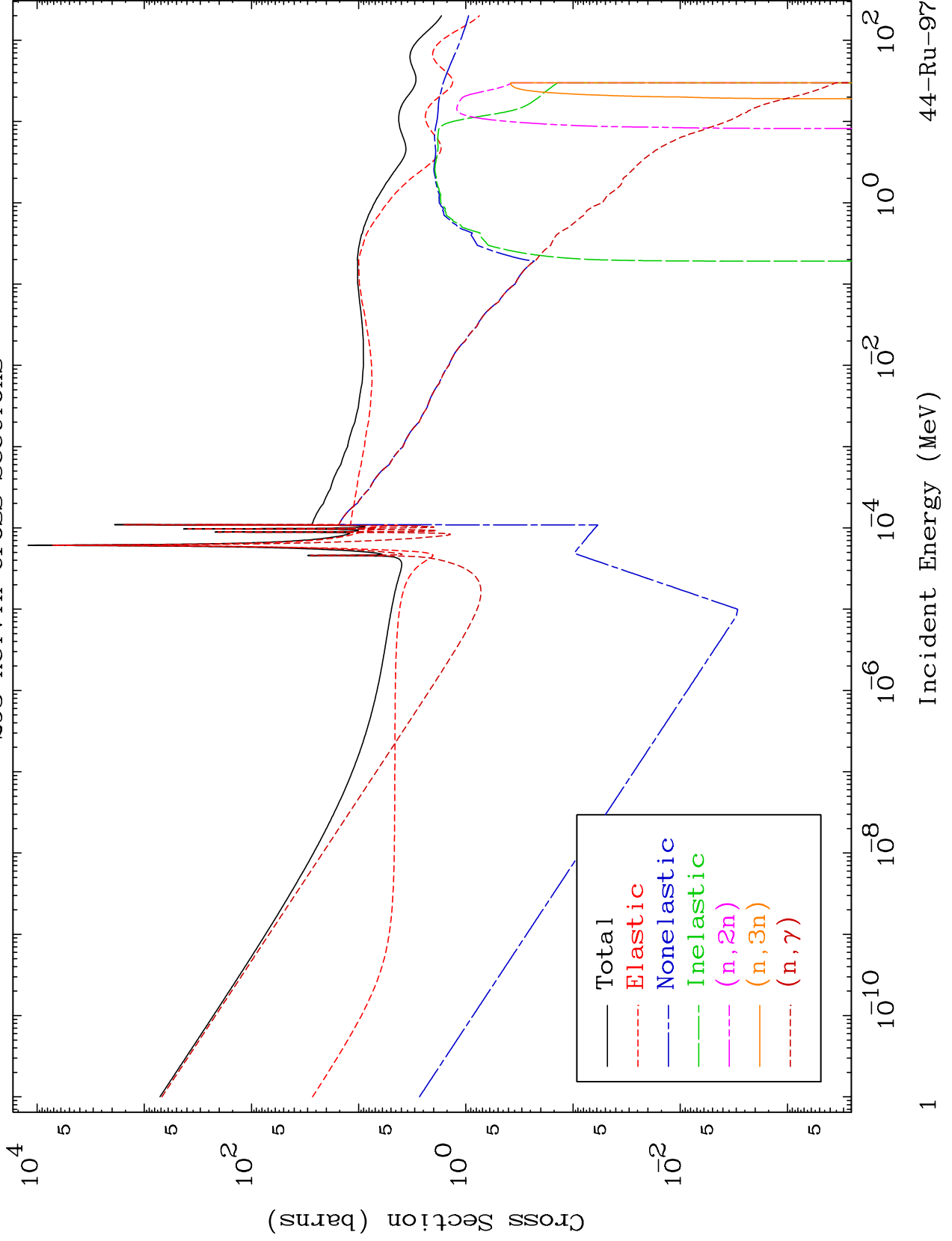
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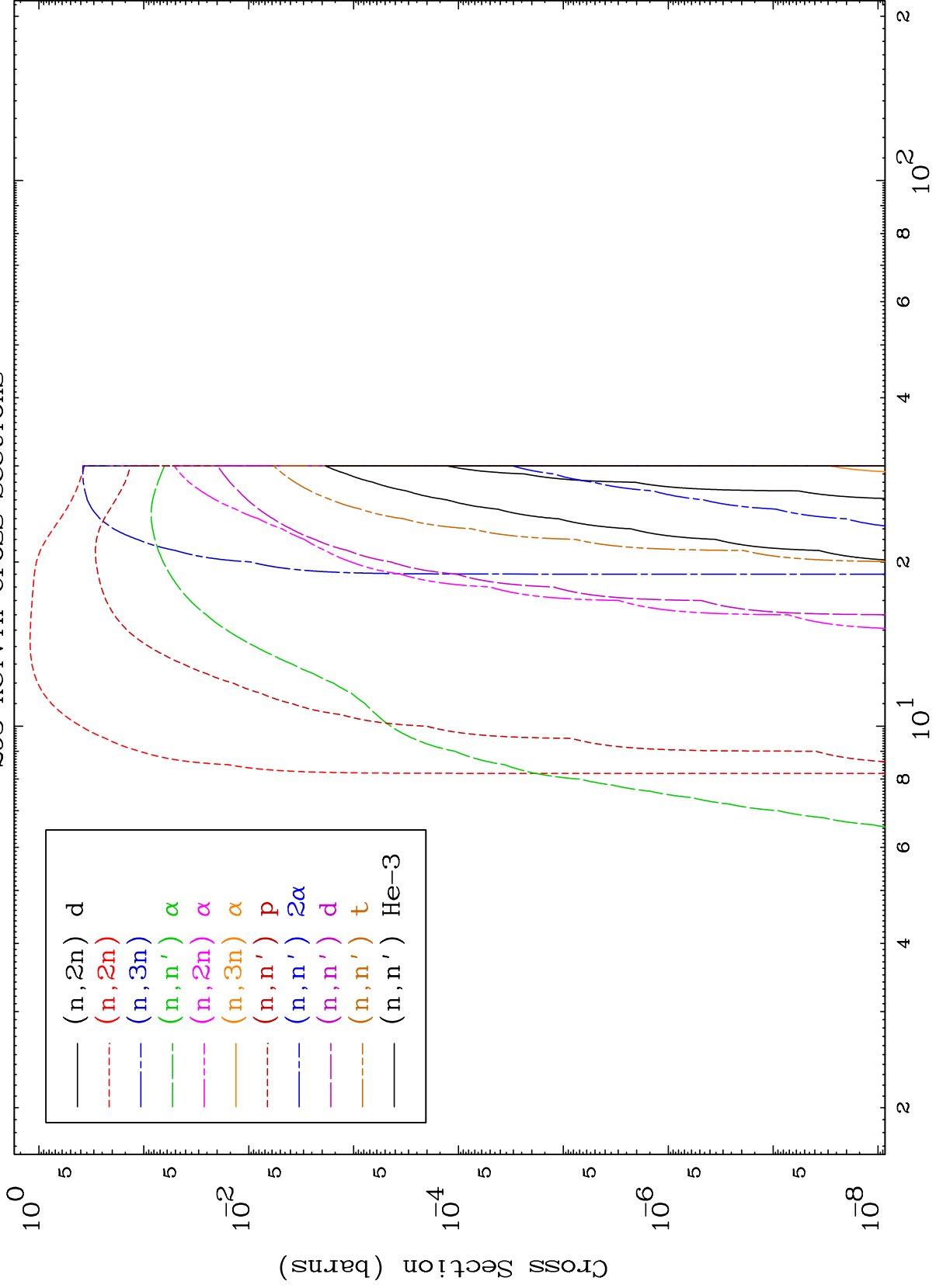
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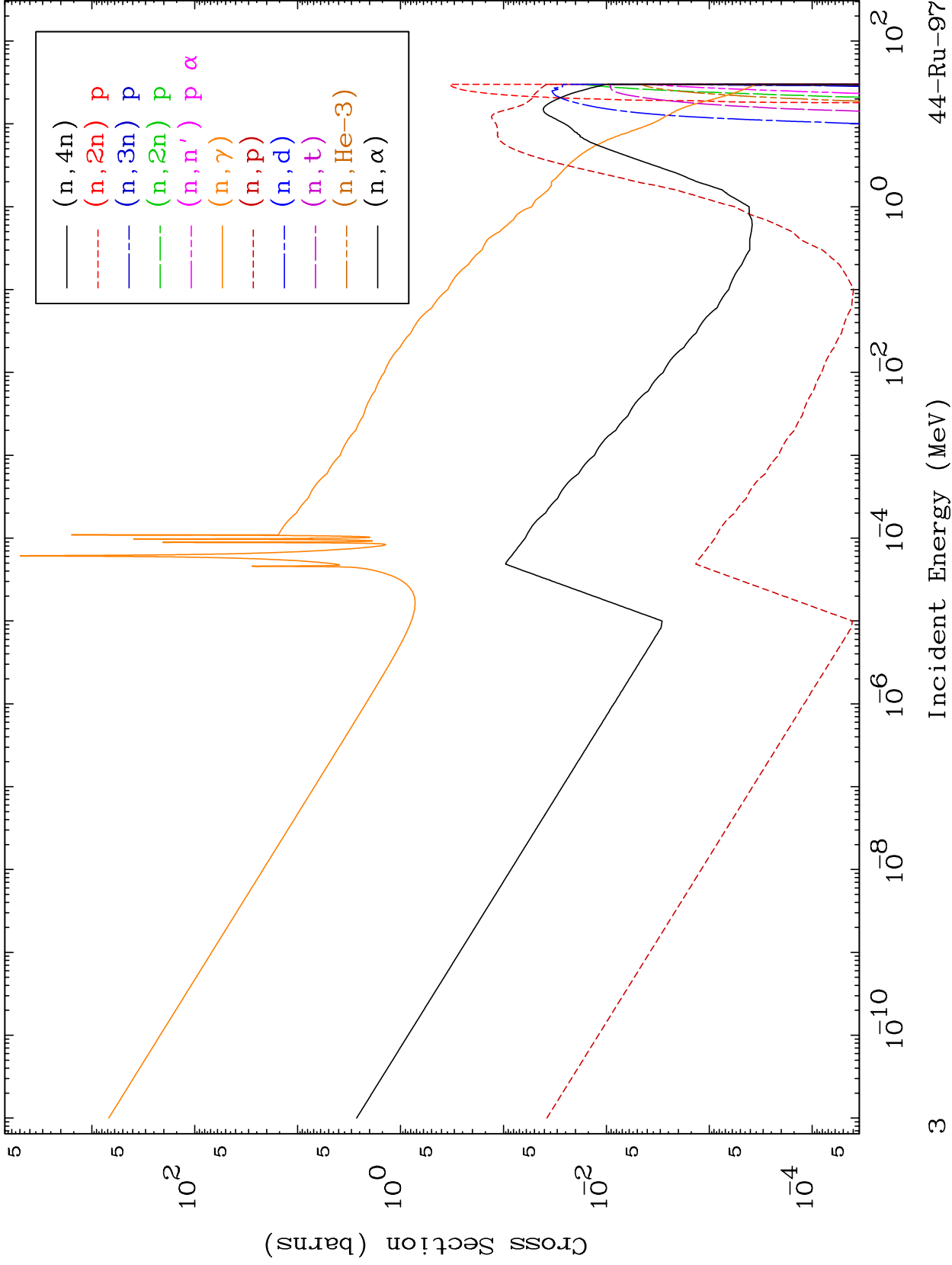
MAT 4428

Neutron Major  
293 Kelvin Cross Sections

44-Ru-97



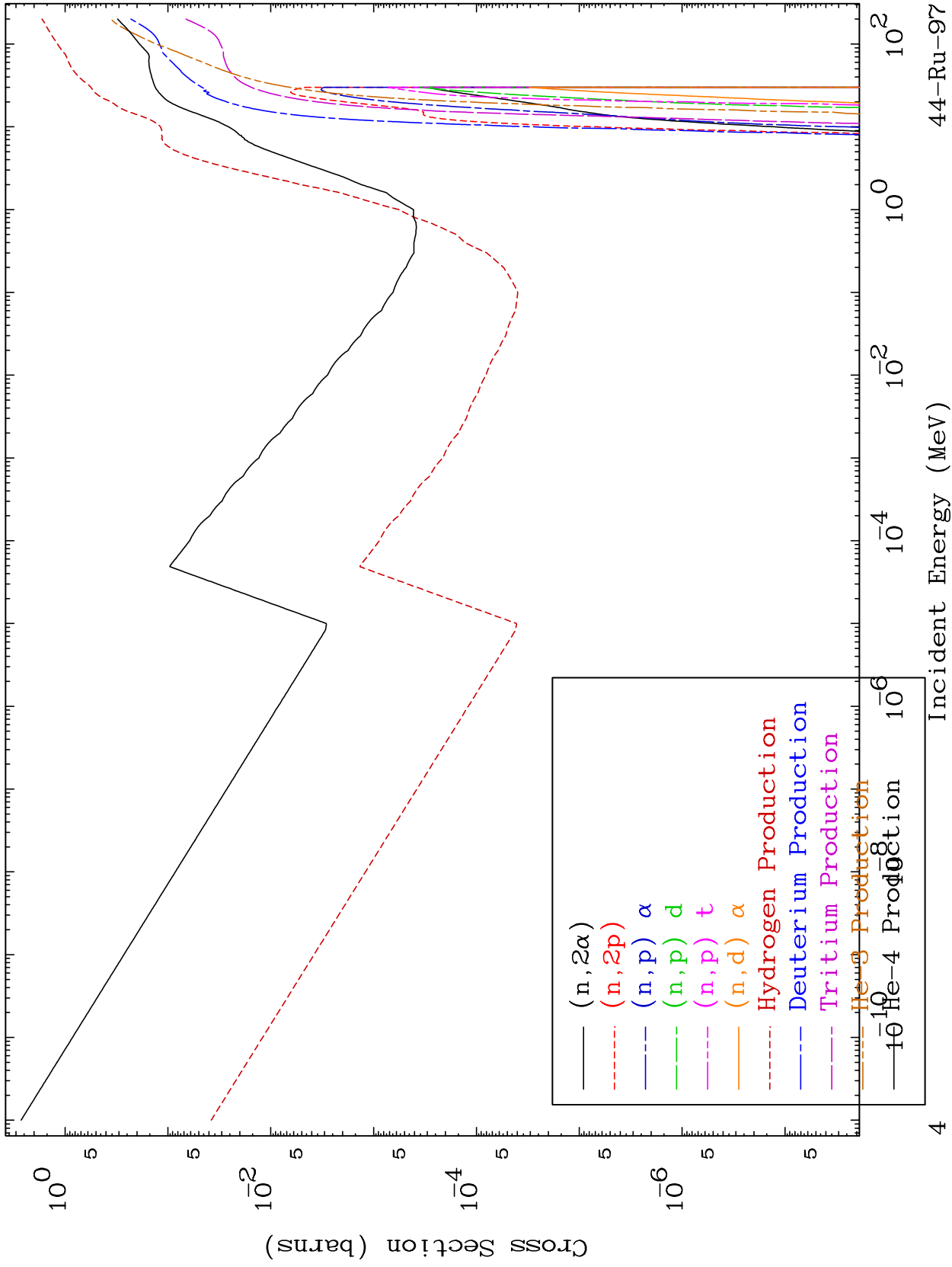




MAT 4428

Neutron Absorption  
293 Kelvin Cross Sections

44-Ru-97



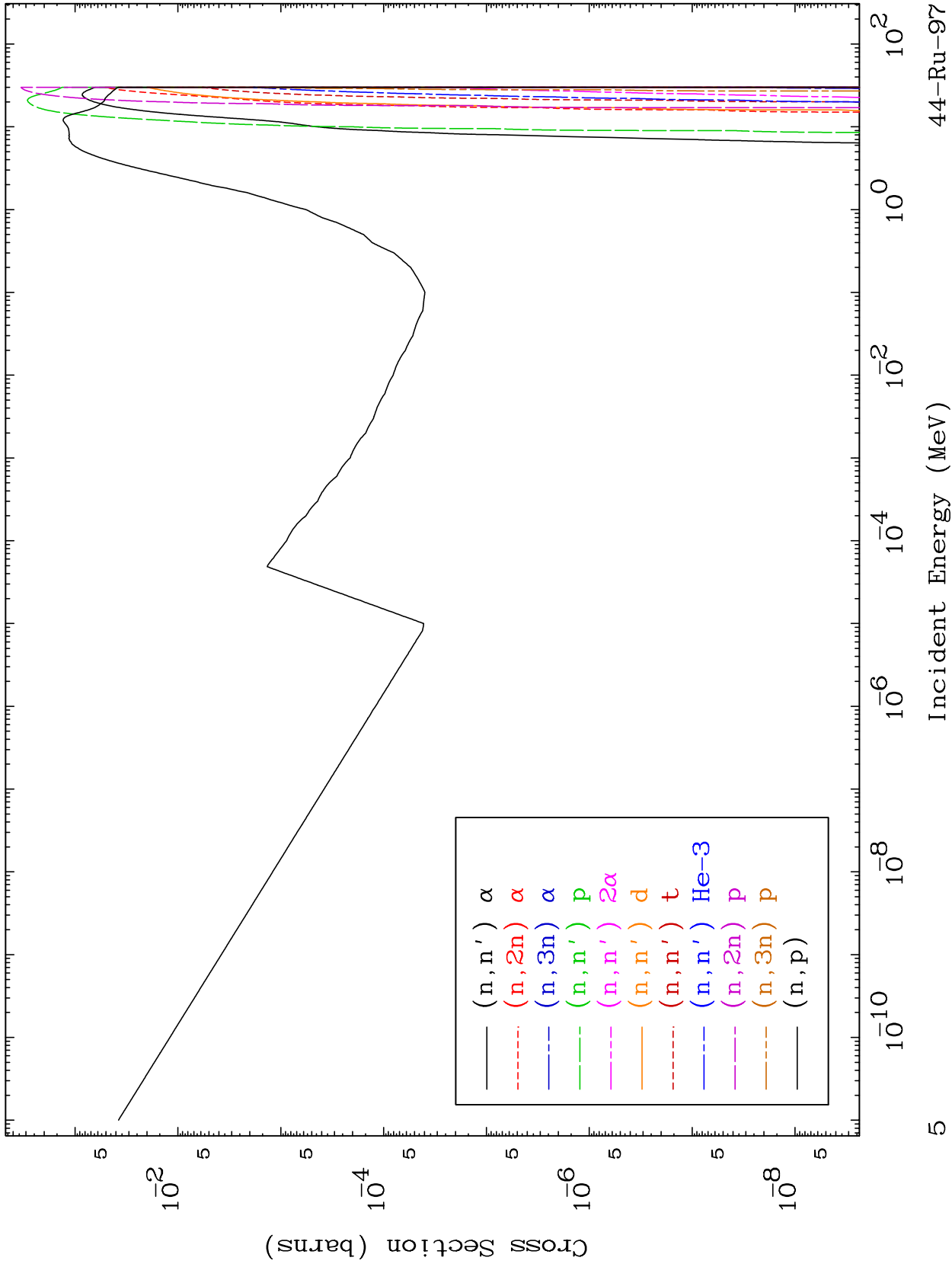
44-Ru-97

Incident Energy (MeV)

MAT 4428

Charged Particle  
293 Kelvin Cross Sections

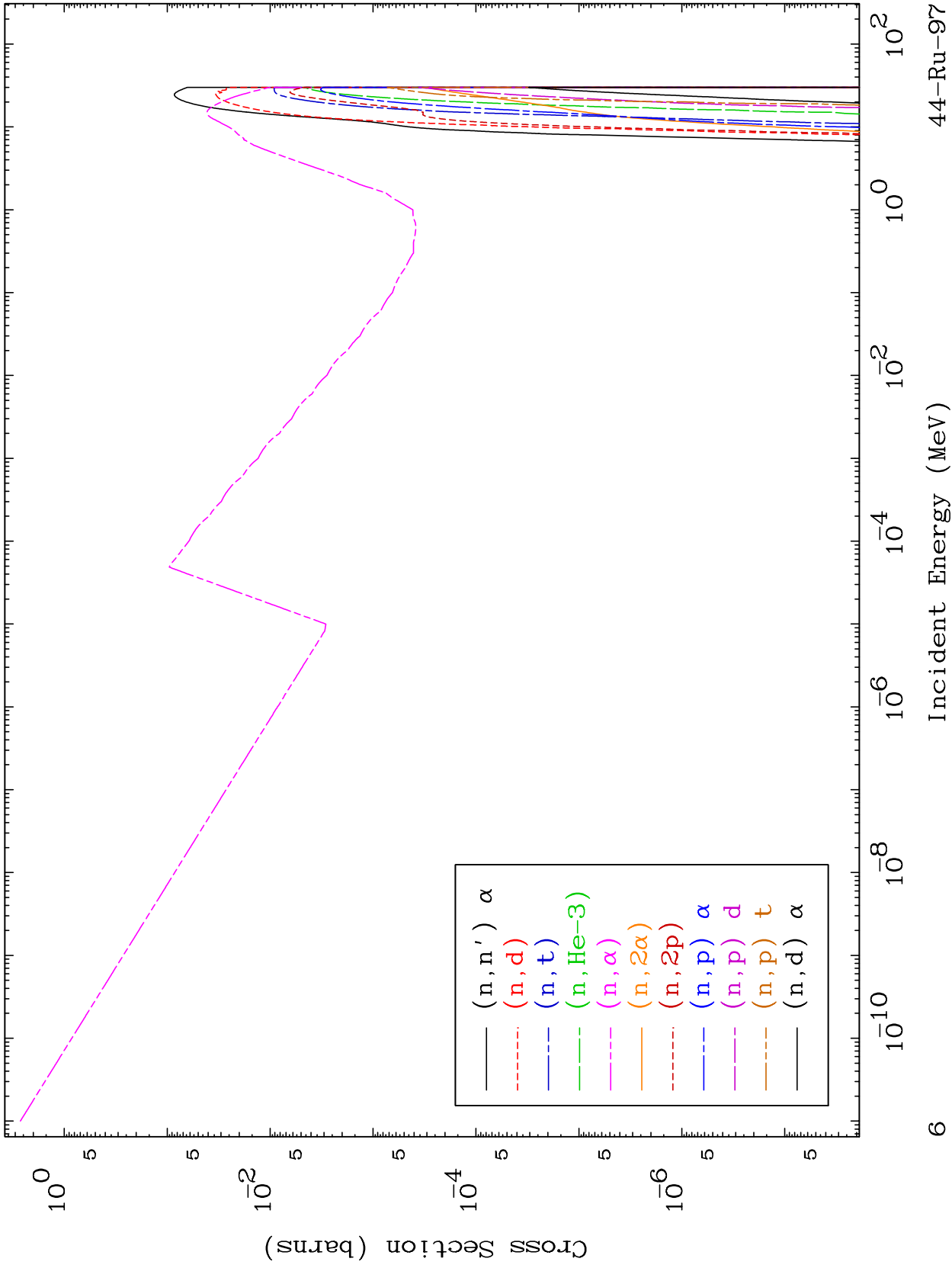
44-Ru-97



MAT 4428

Charged Particle  
293 Kelvin Cross Sections

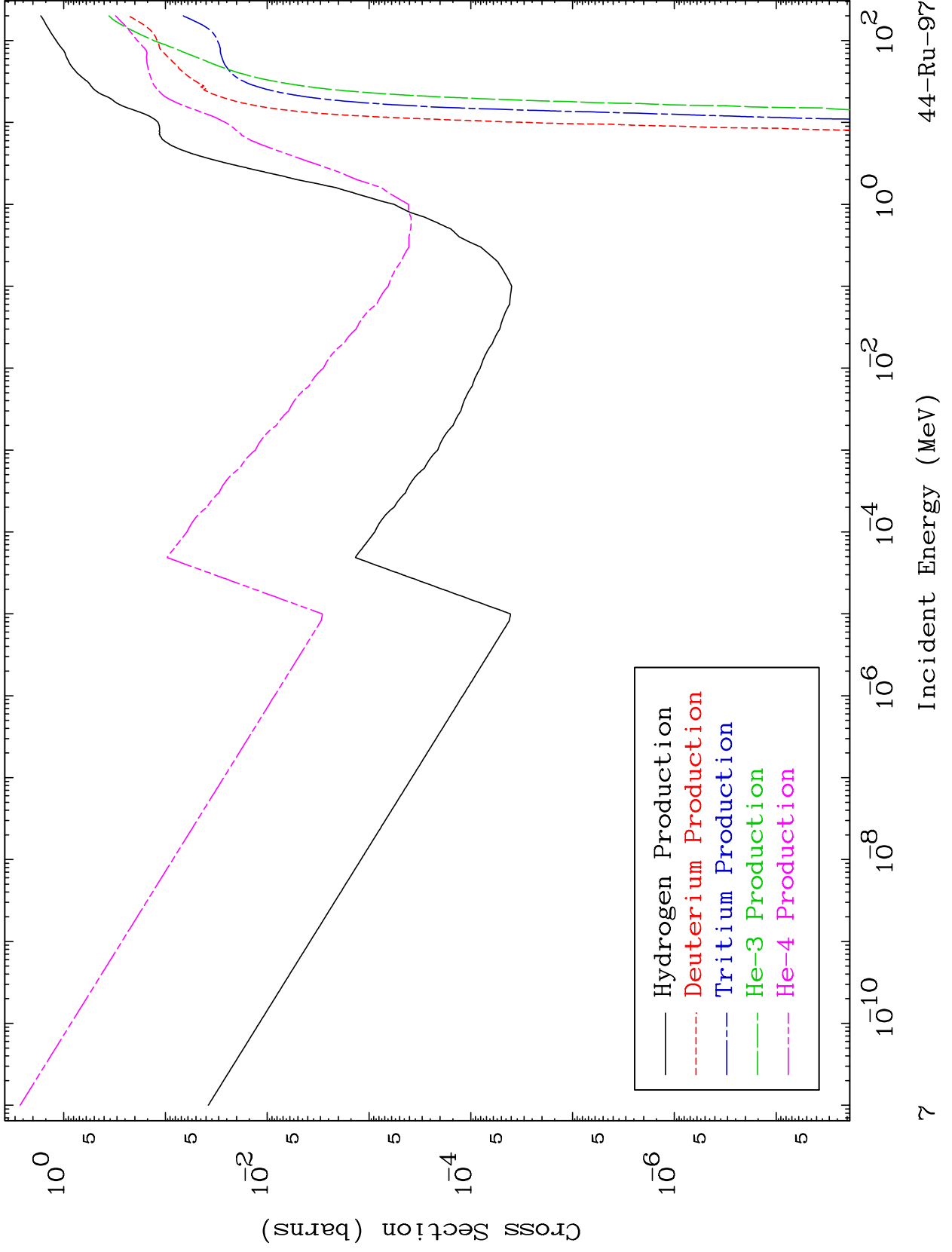
44-Ru-97

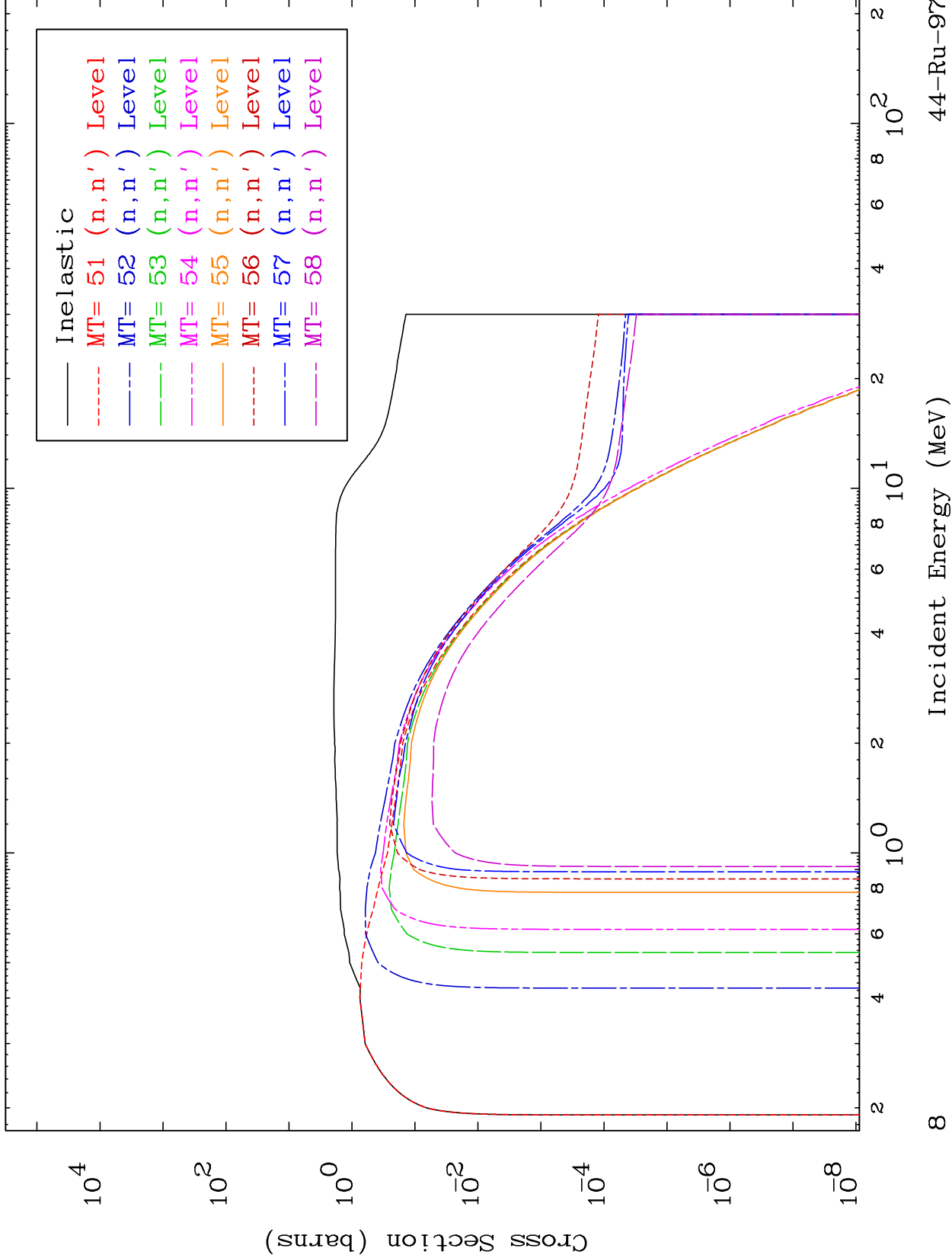


MAT 4428

Particle Production  
293 Kelvin Cross Sections

44-Ru-97

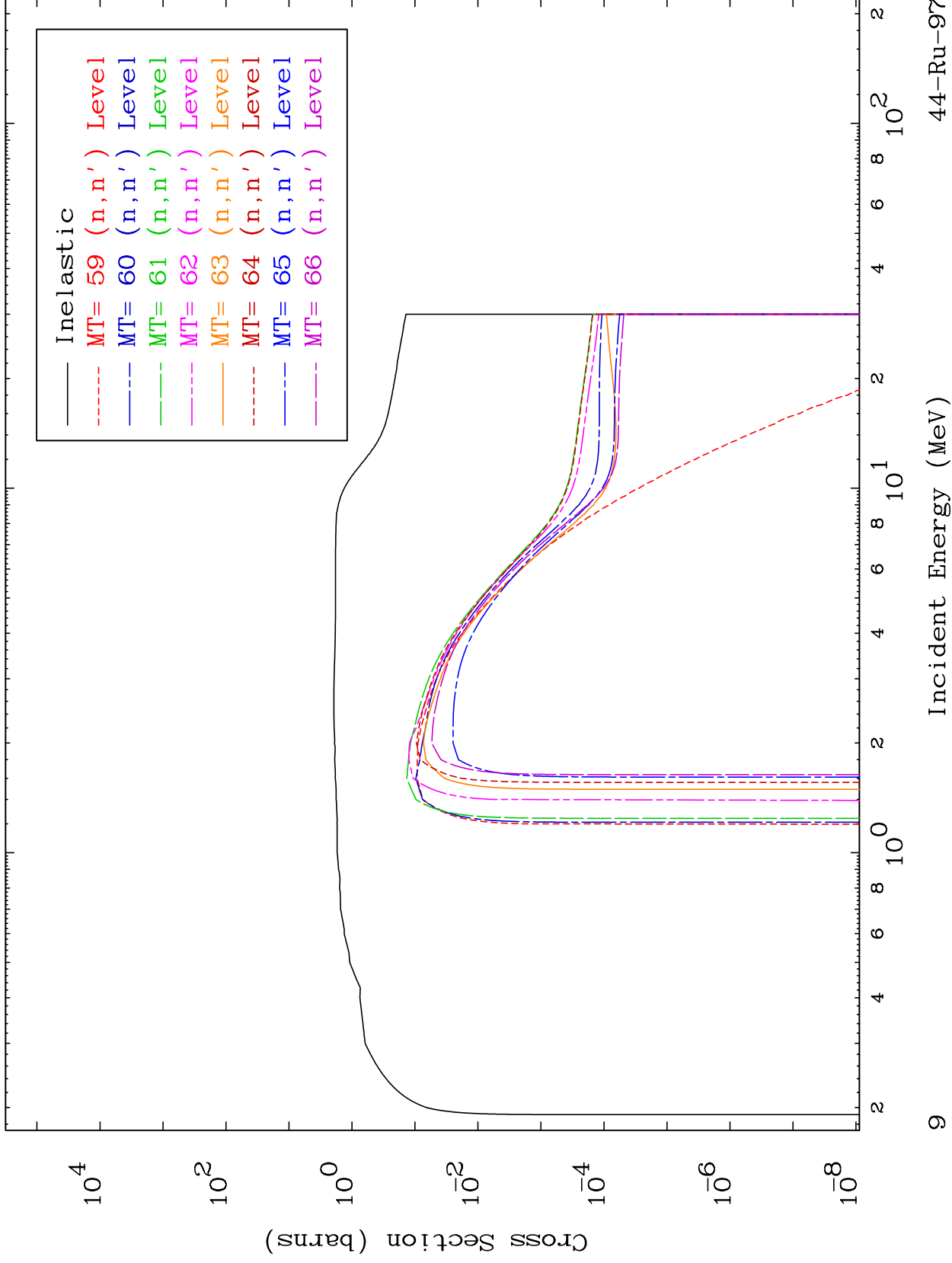




MAT 4428

(n,n') Levels  
293 Kelvin Cross Sections

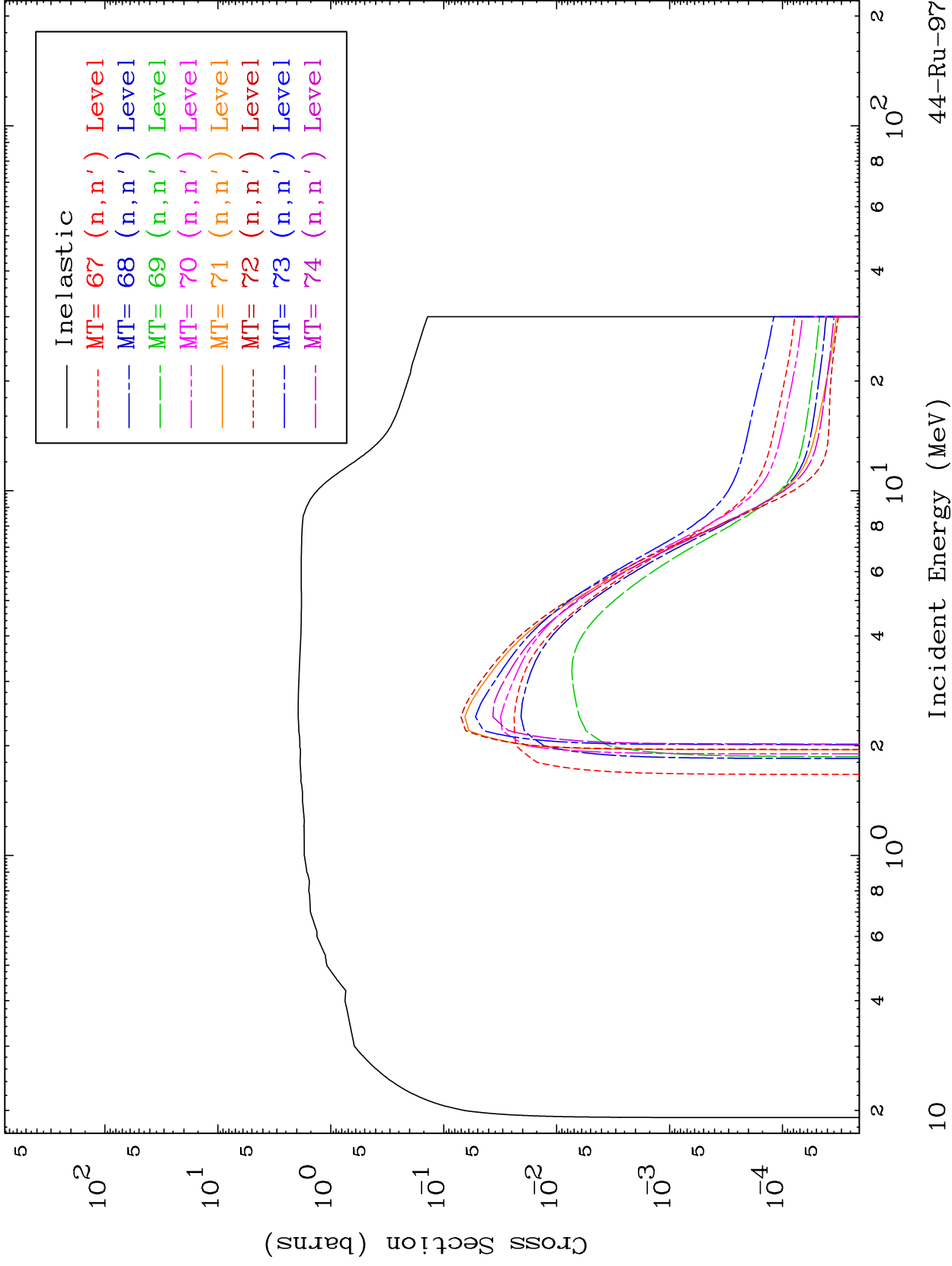
44-Ru-97

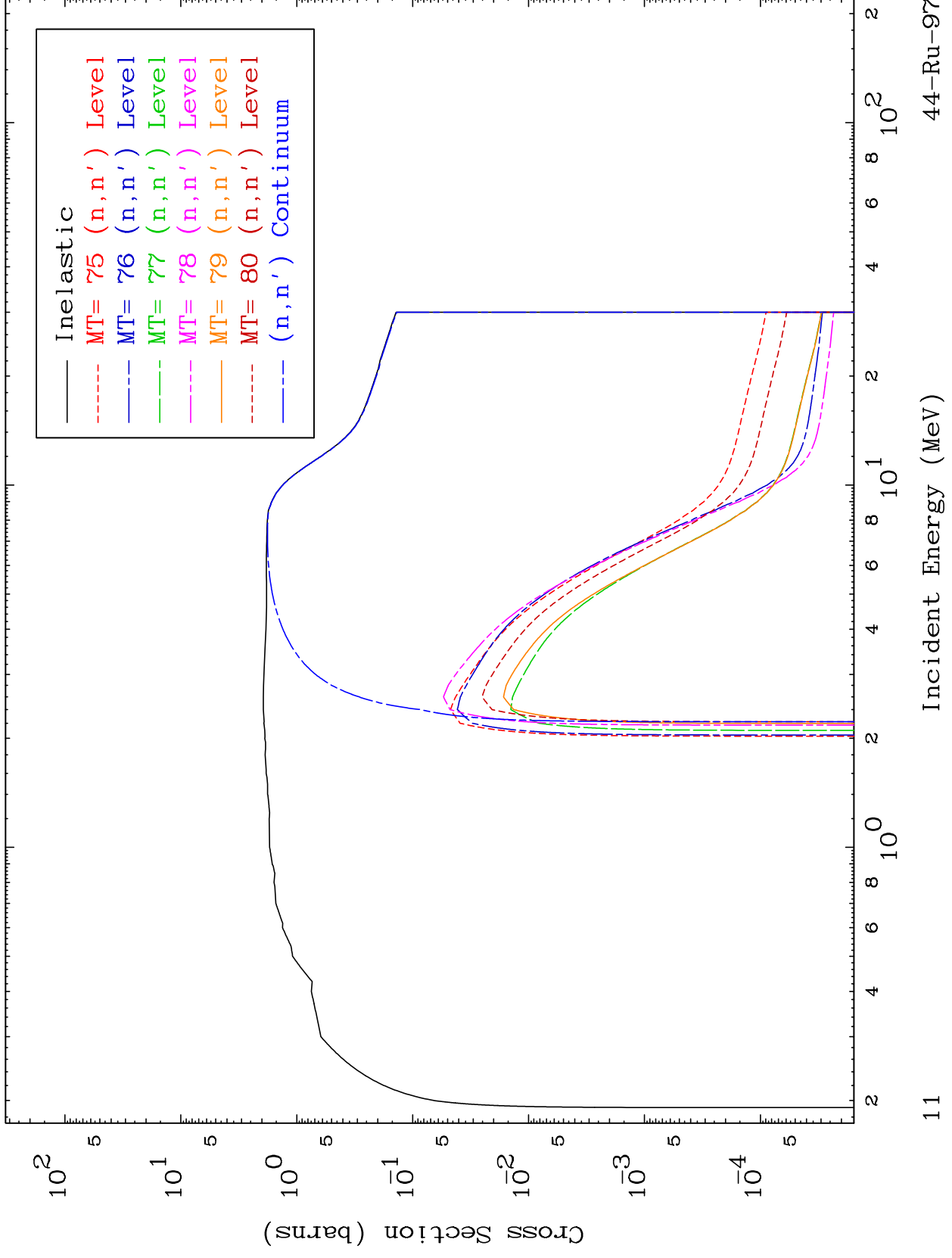


MAT 4428

(n,n') Levels  
293 Kelvin Cross Sections

44-Ru-97

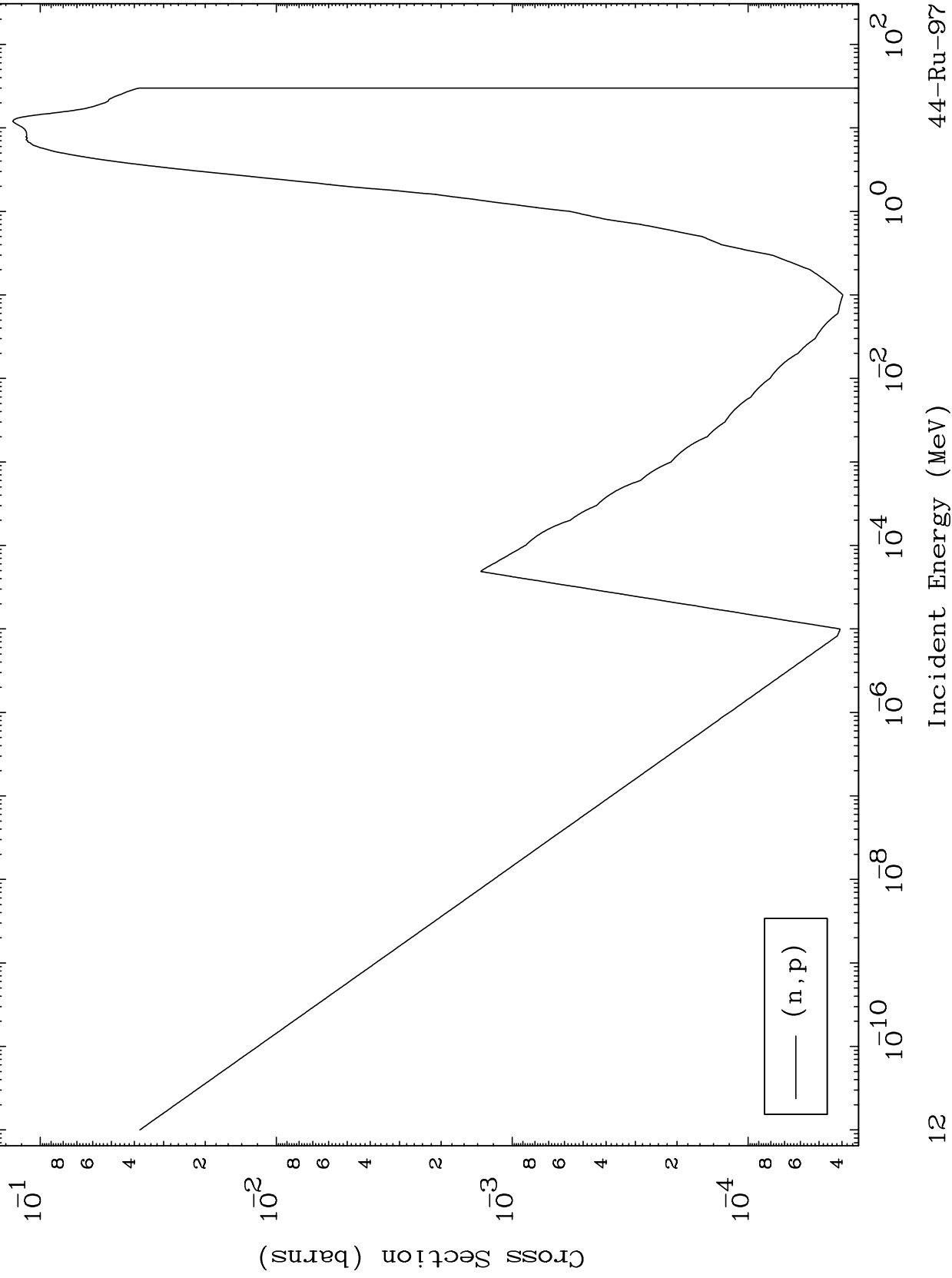




MAT 4428

(n,p) Levels  
293 Kelvin Cross Sections

44-Ru-97



12

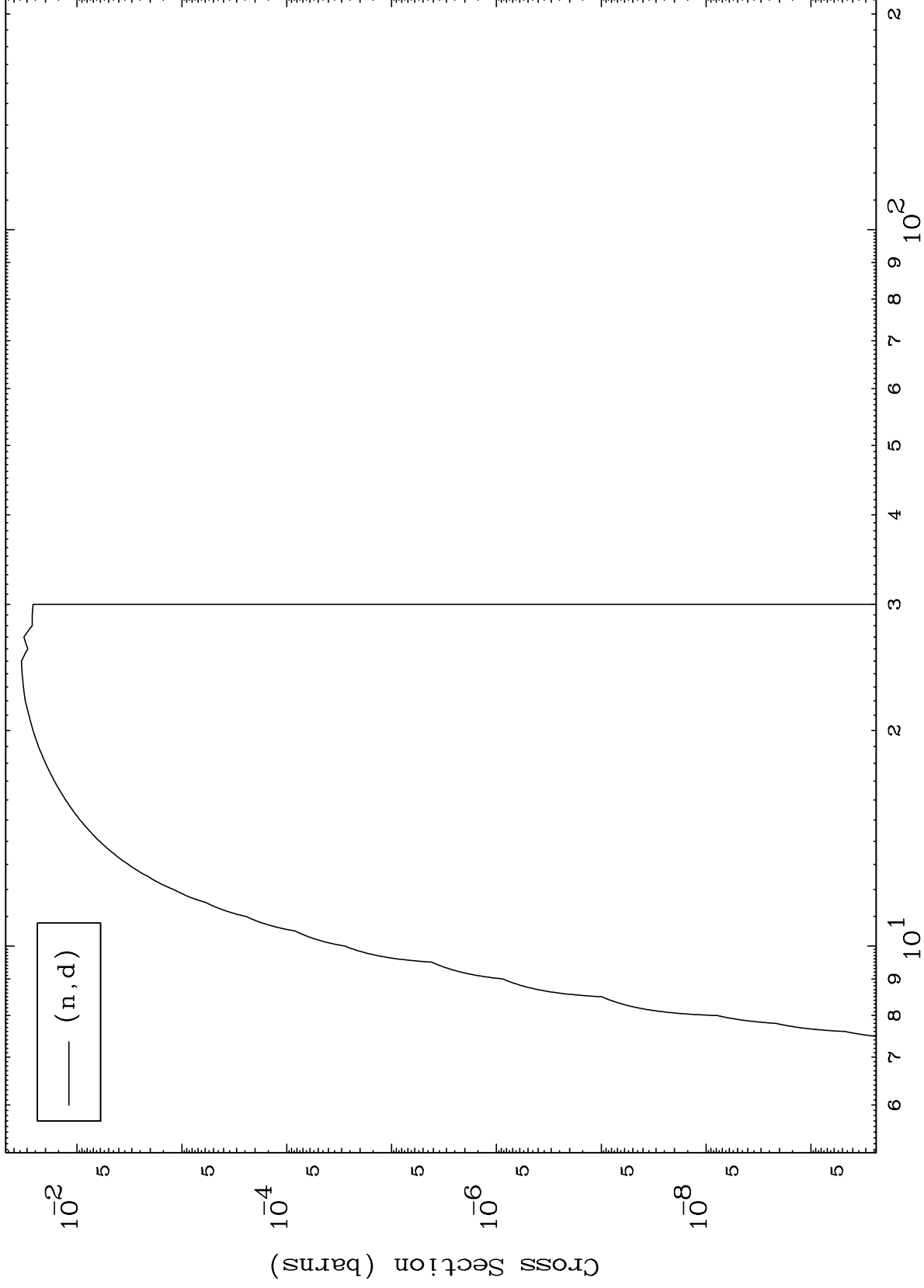
Incident Energy (MeV)

44-Ru-97

MAT 4428

(n,d) Levels  
293 Kelvin Cross Sections

44-Ru-97



13

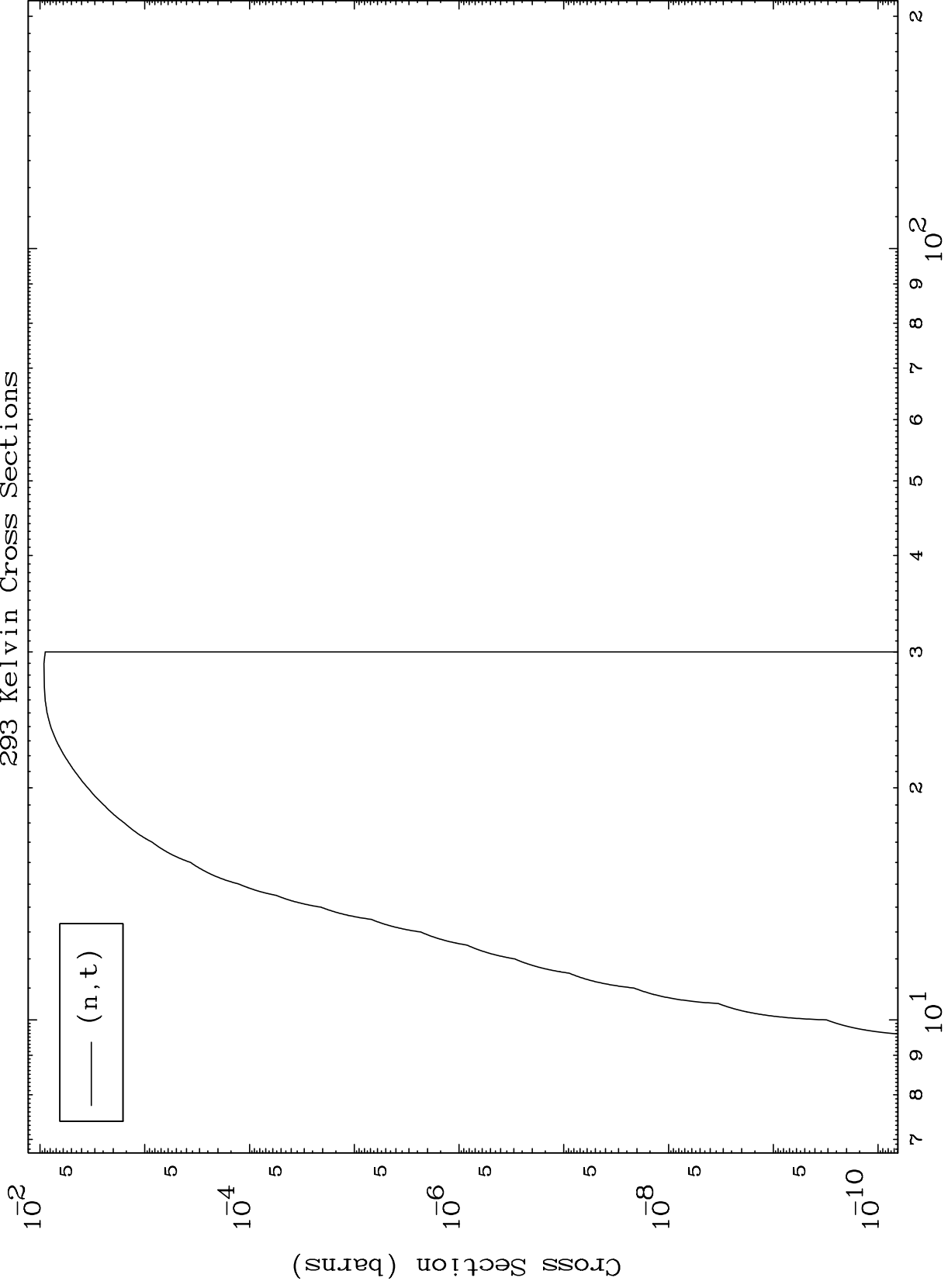
Incident Energy (MeV)

44-Ru-97

MAT 4428

(n,t) Levels  
293 Kelvin Cross Sections

44-Ru-97



14

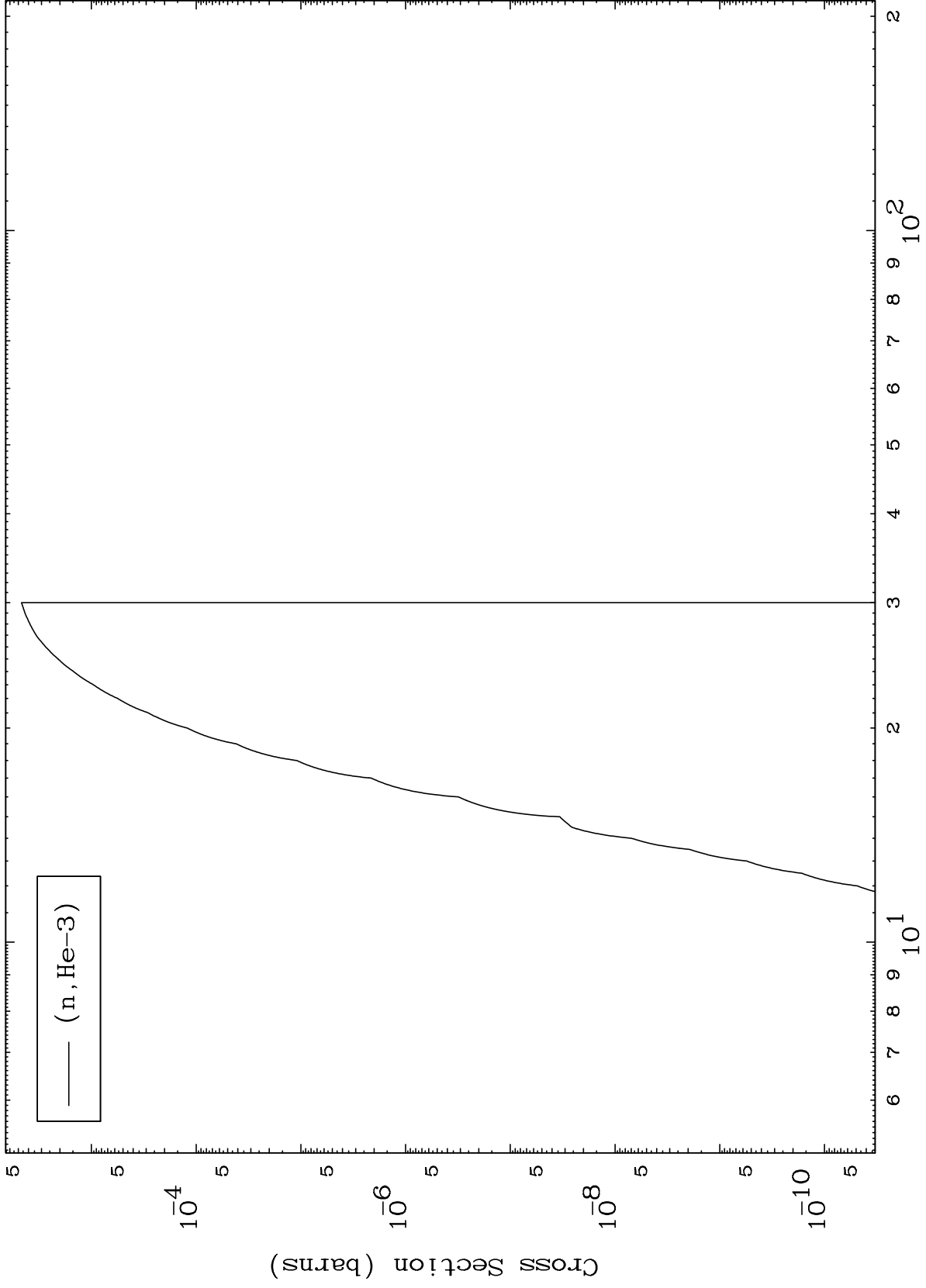
Incident Energy (MeV)

44-Ru-97

MAT 4428

(n,He3) Levels  
293 Kelvin Cross Sections

44-Ru-97



15

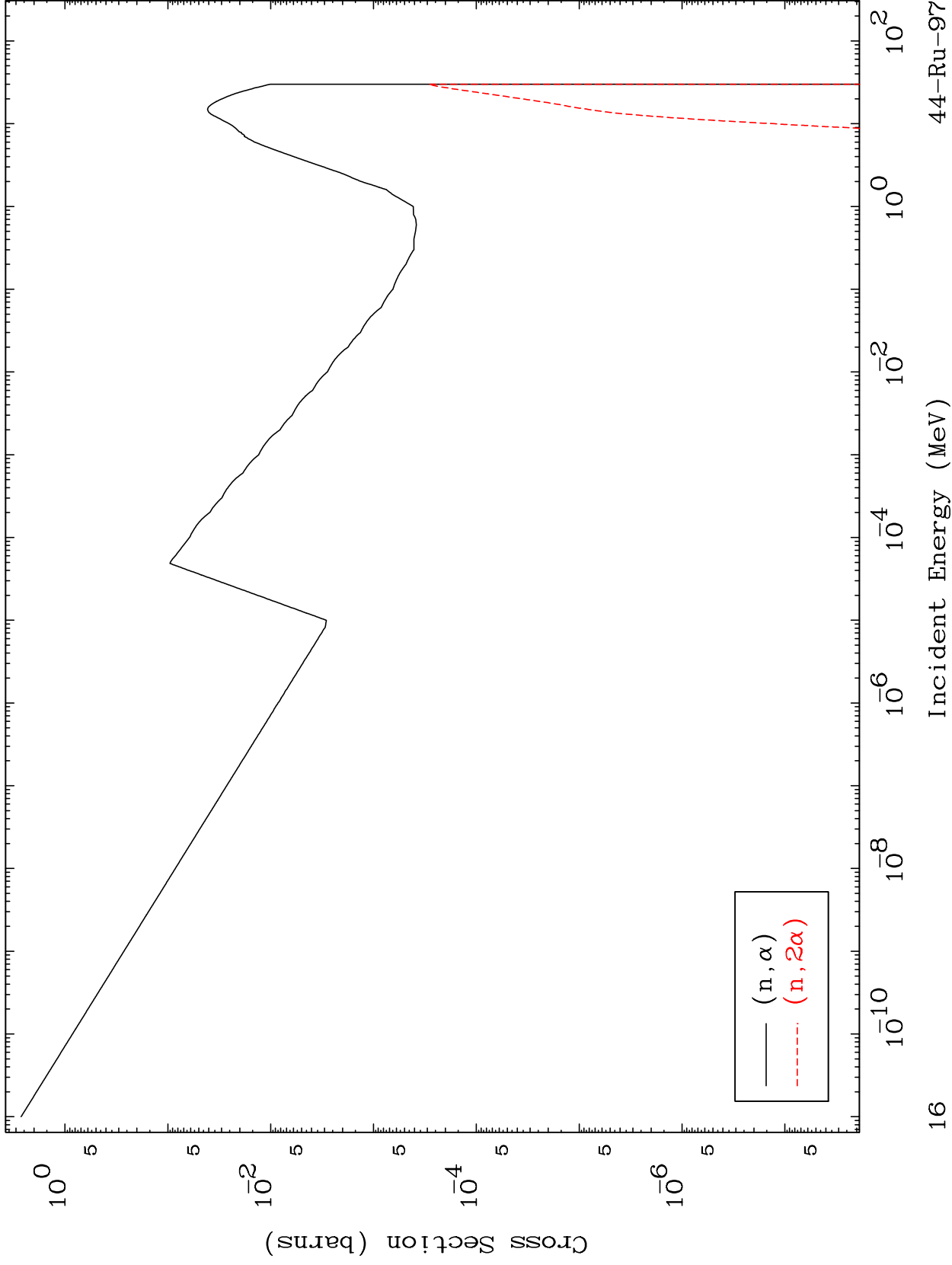
Incident Energy (MeV)

44-Ru-97

MAT 4428

(n,α) Levels  
293 Kelvin Cross Sections

44-Ru-97

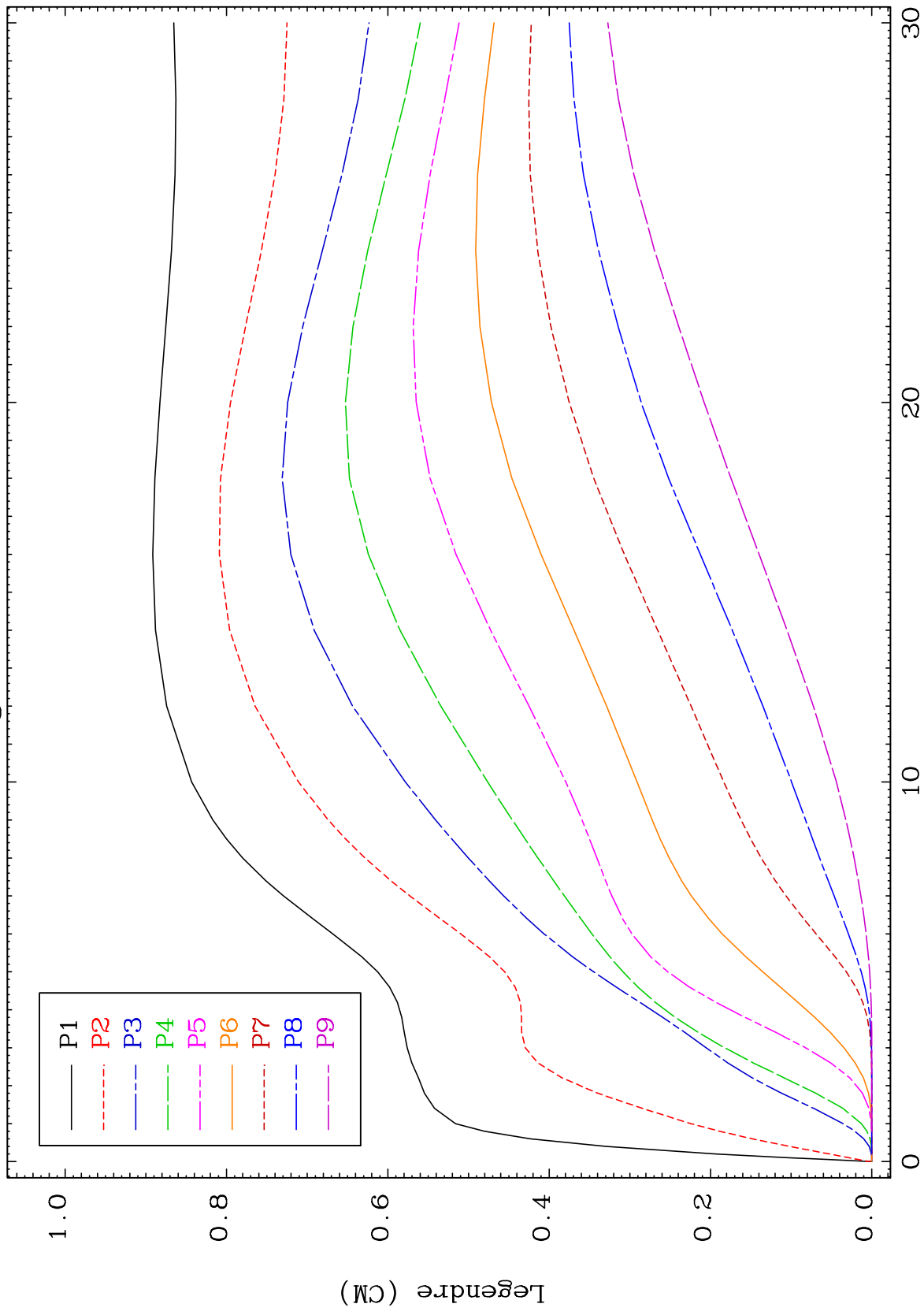


16

MAT 4428

Elastic Legendre Coefficients

44-Ru-97



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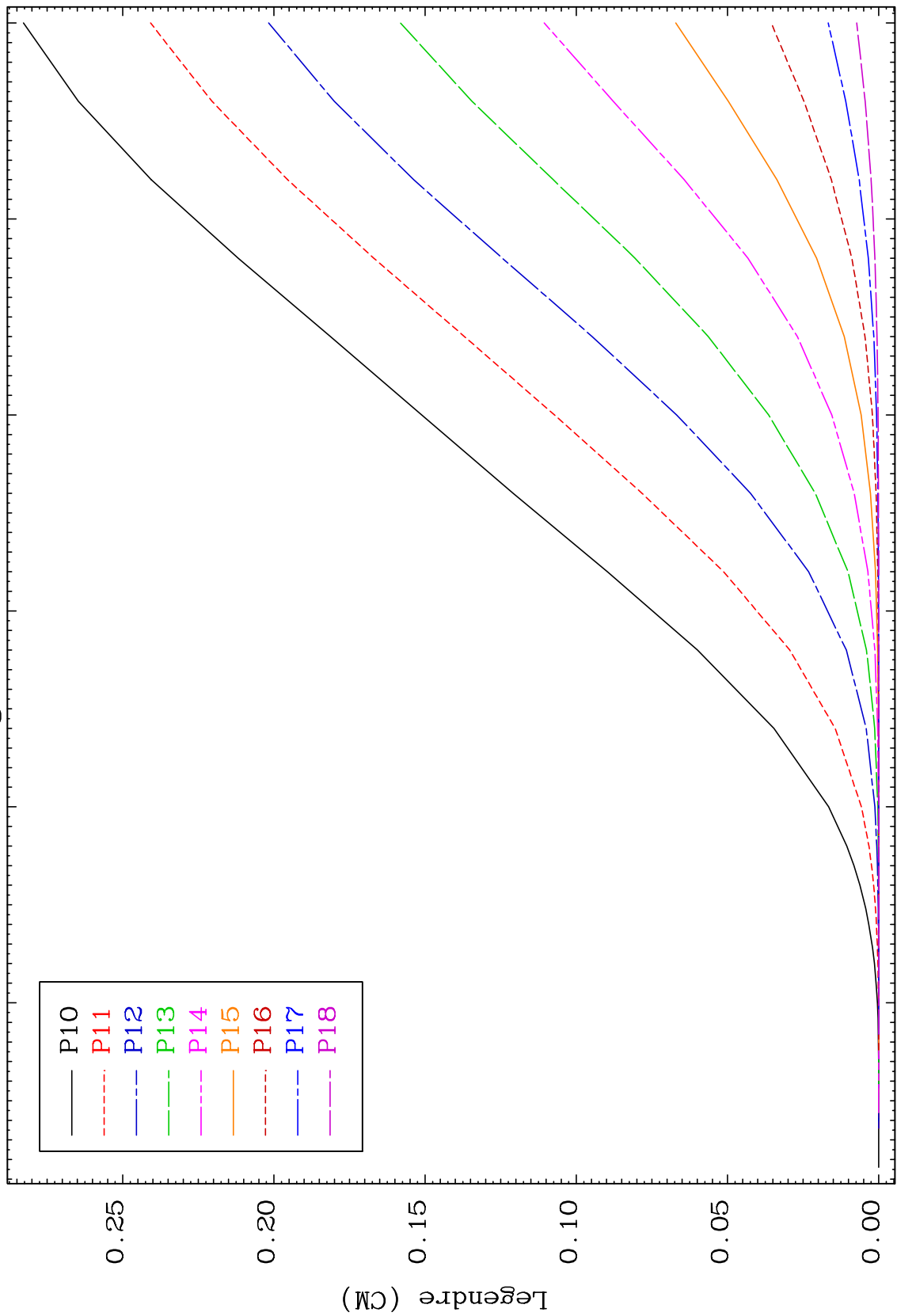
Incident Energy (MeV)

44-Ru-97

MAT 4428

Elastic Legendre Coefficients

44-Ru-97



18

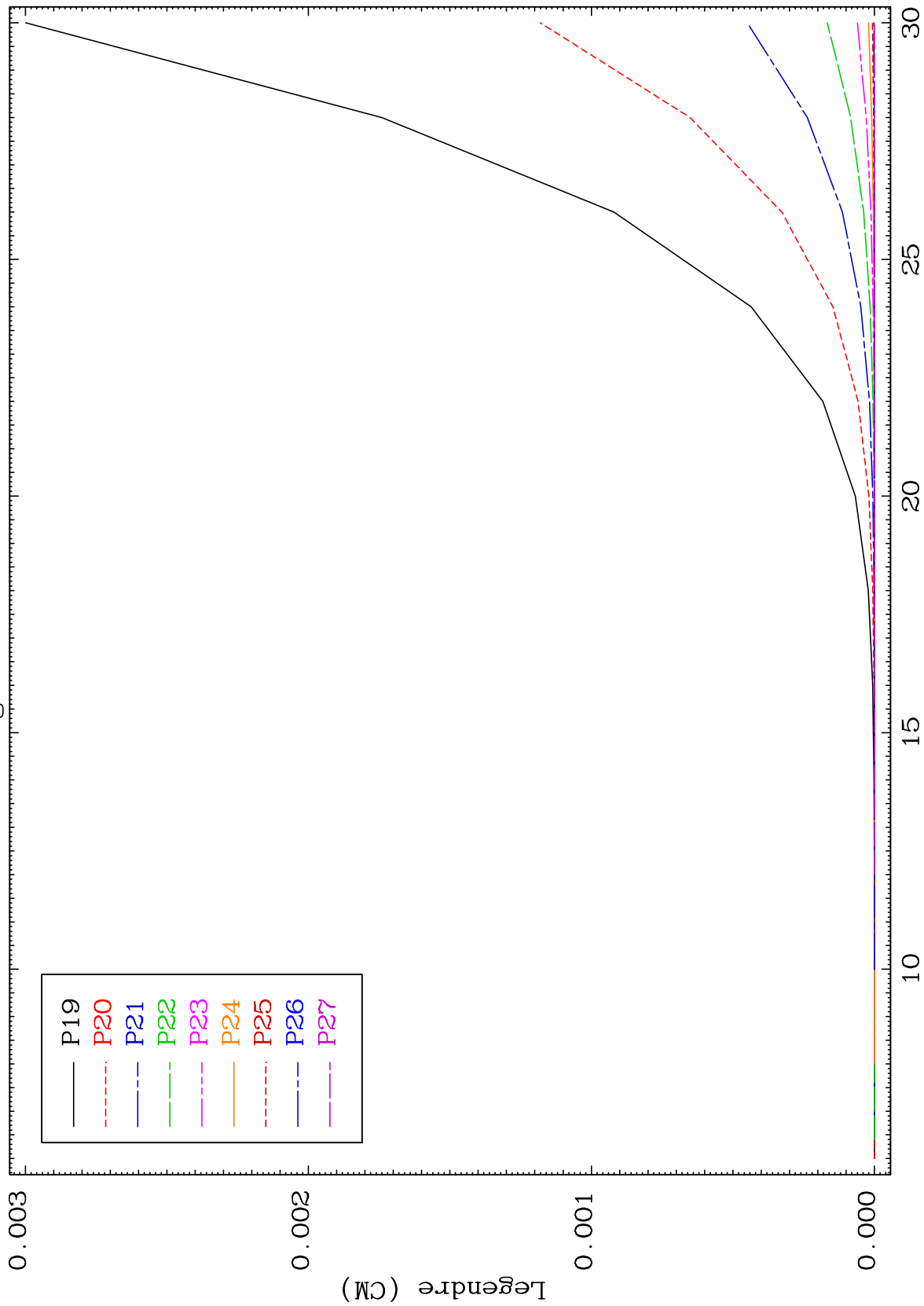
Incident Energy (MeV)

44-Ru-97

MAT 4428

Elastic Legendre Coefficients

44-Ru-97



19

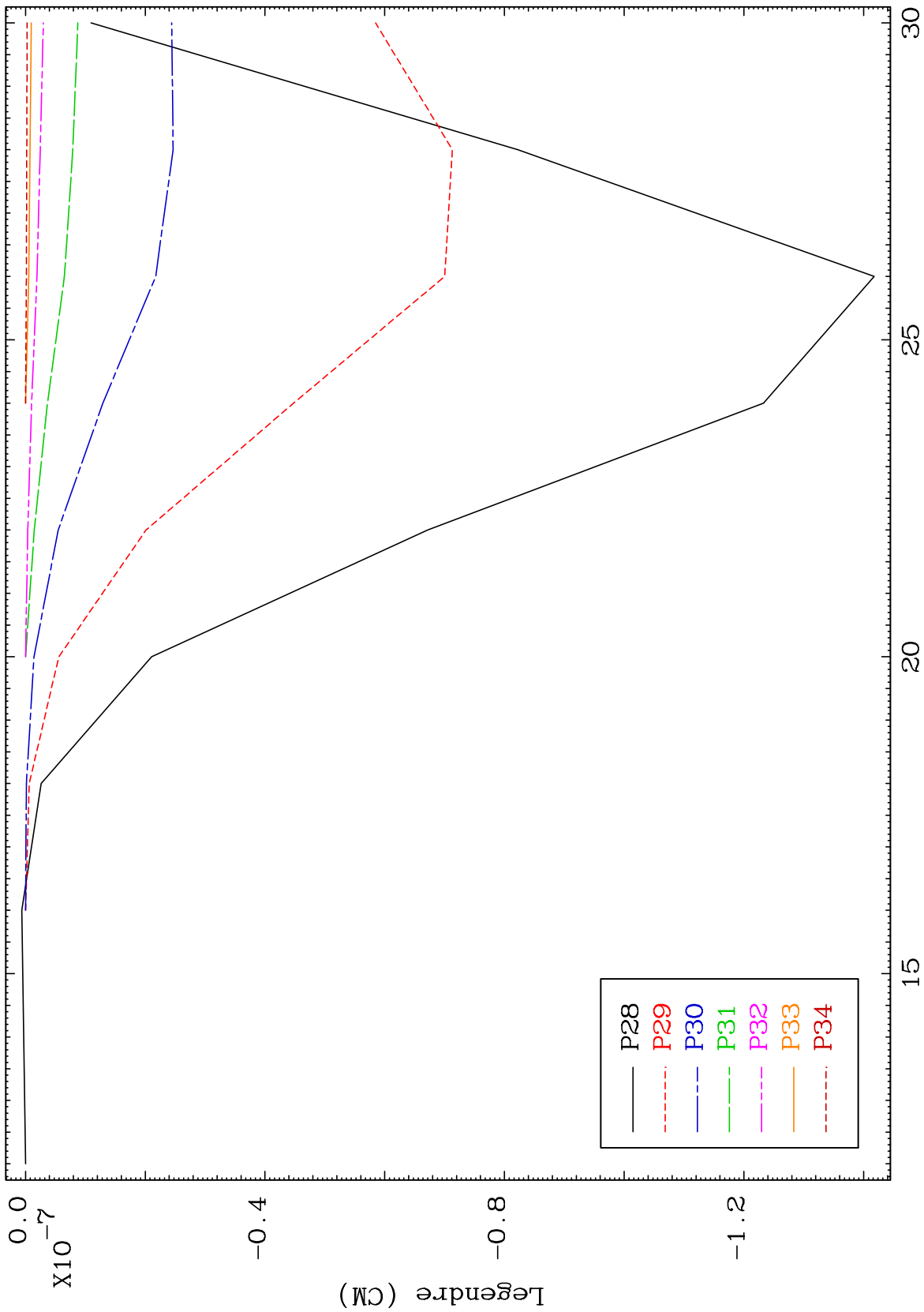
Incident Energy (MeV)

44-Ru-97

MAT 4428

44-Ru-97

Elastic Legendre Coefficients



20

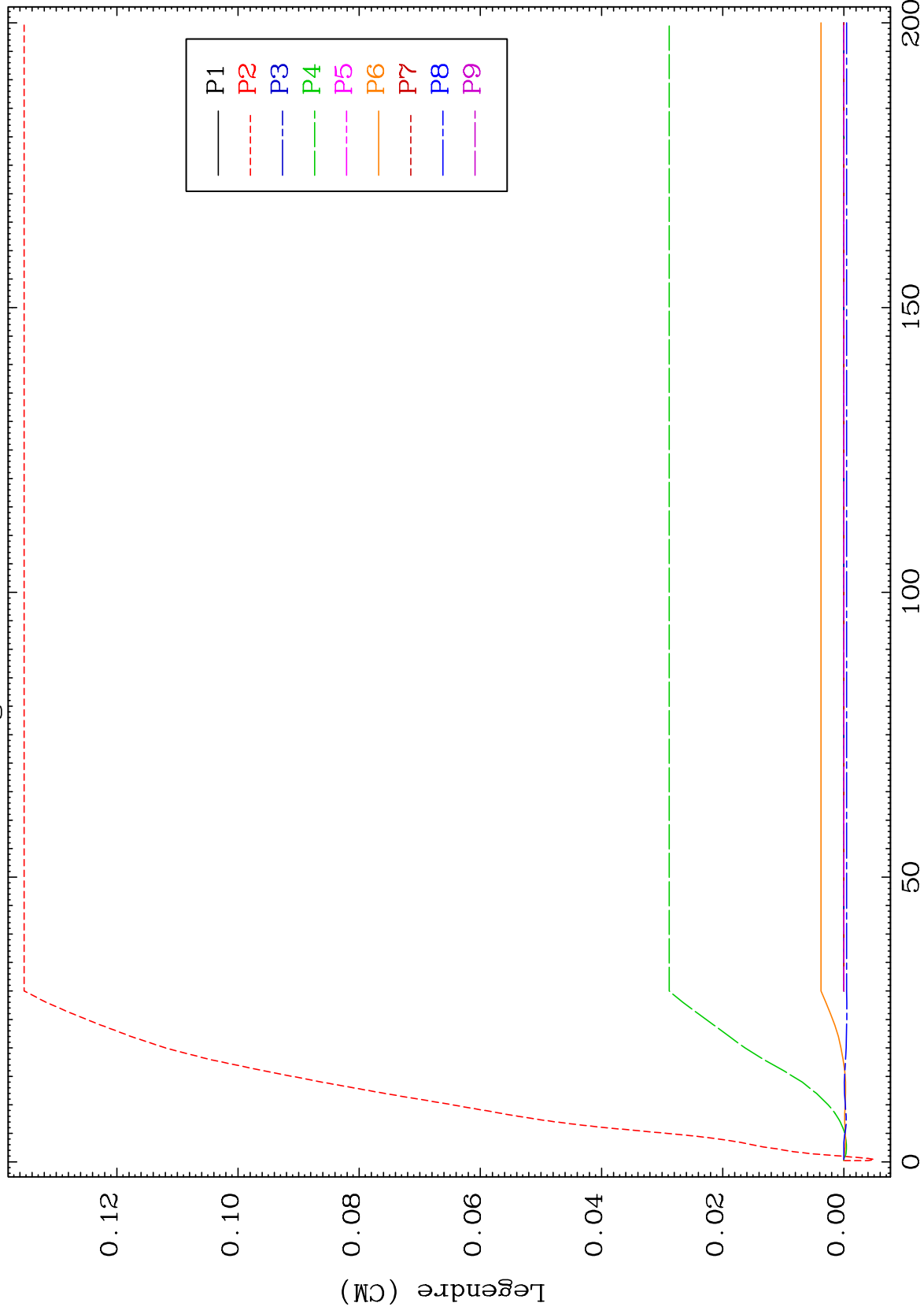
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

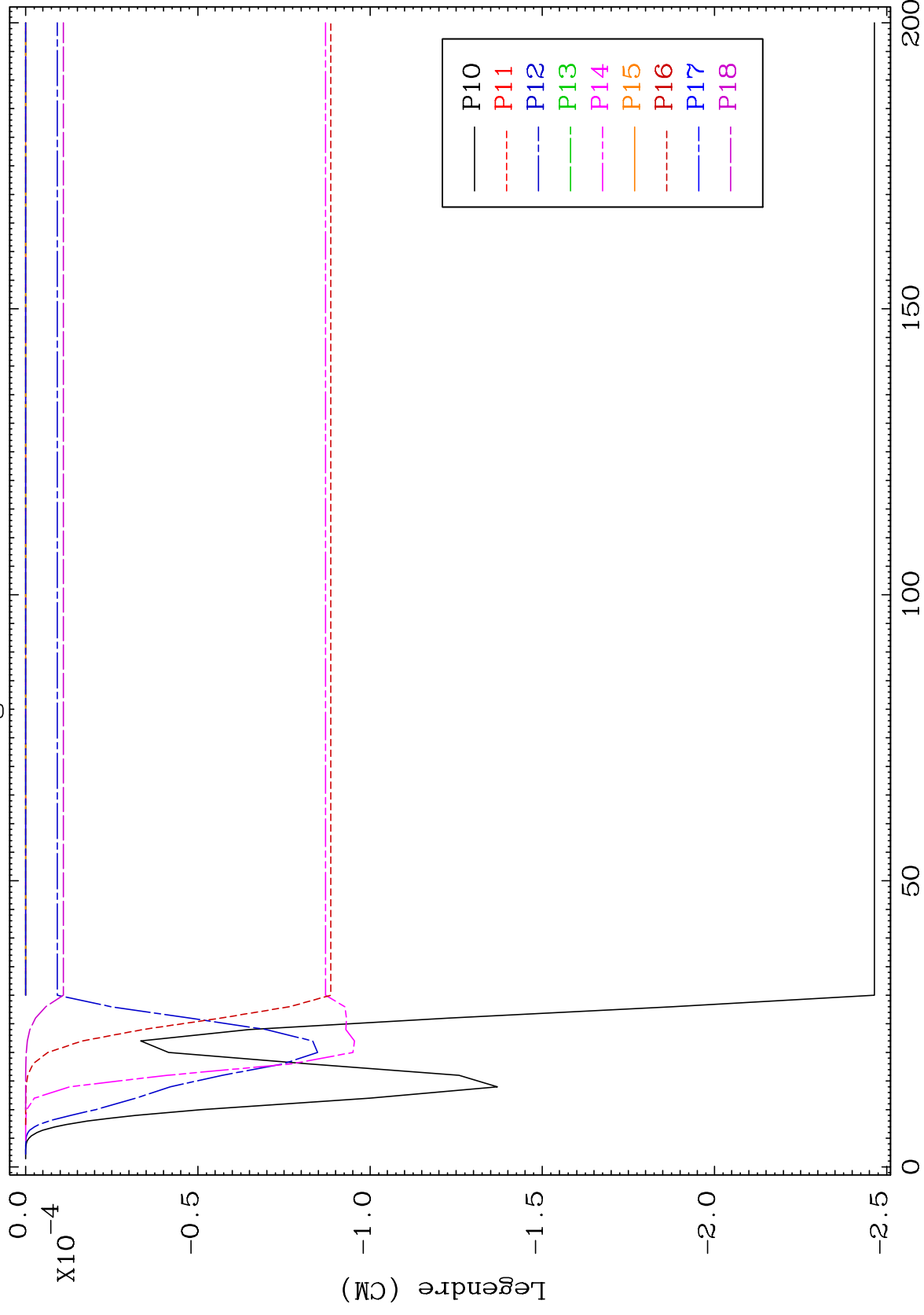
44-Ru-97



21

Incident Energy (MeV)

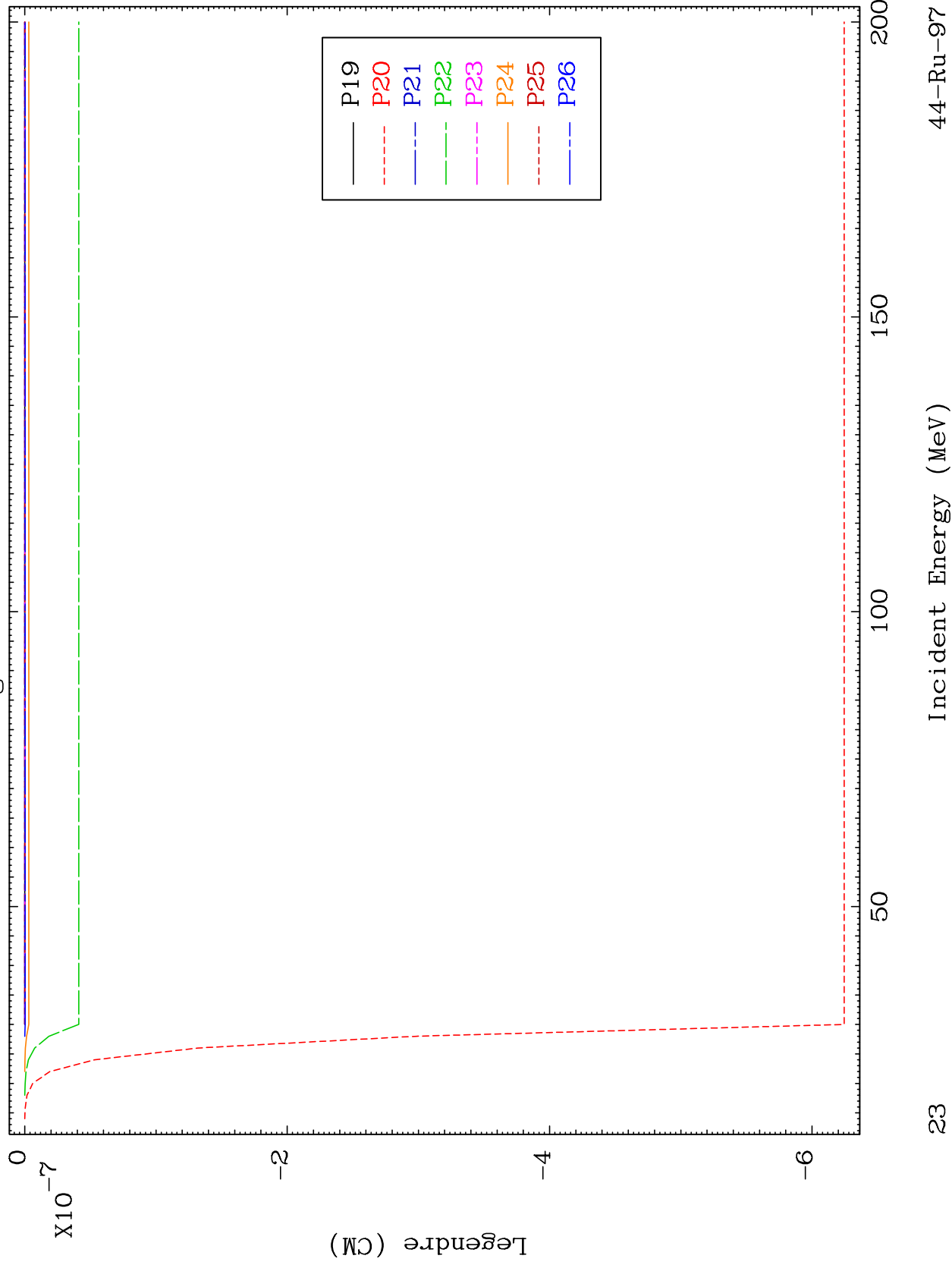
44-Ru-97



MAT 4428

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

44-Ru-97



23

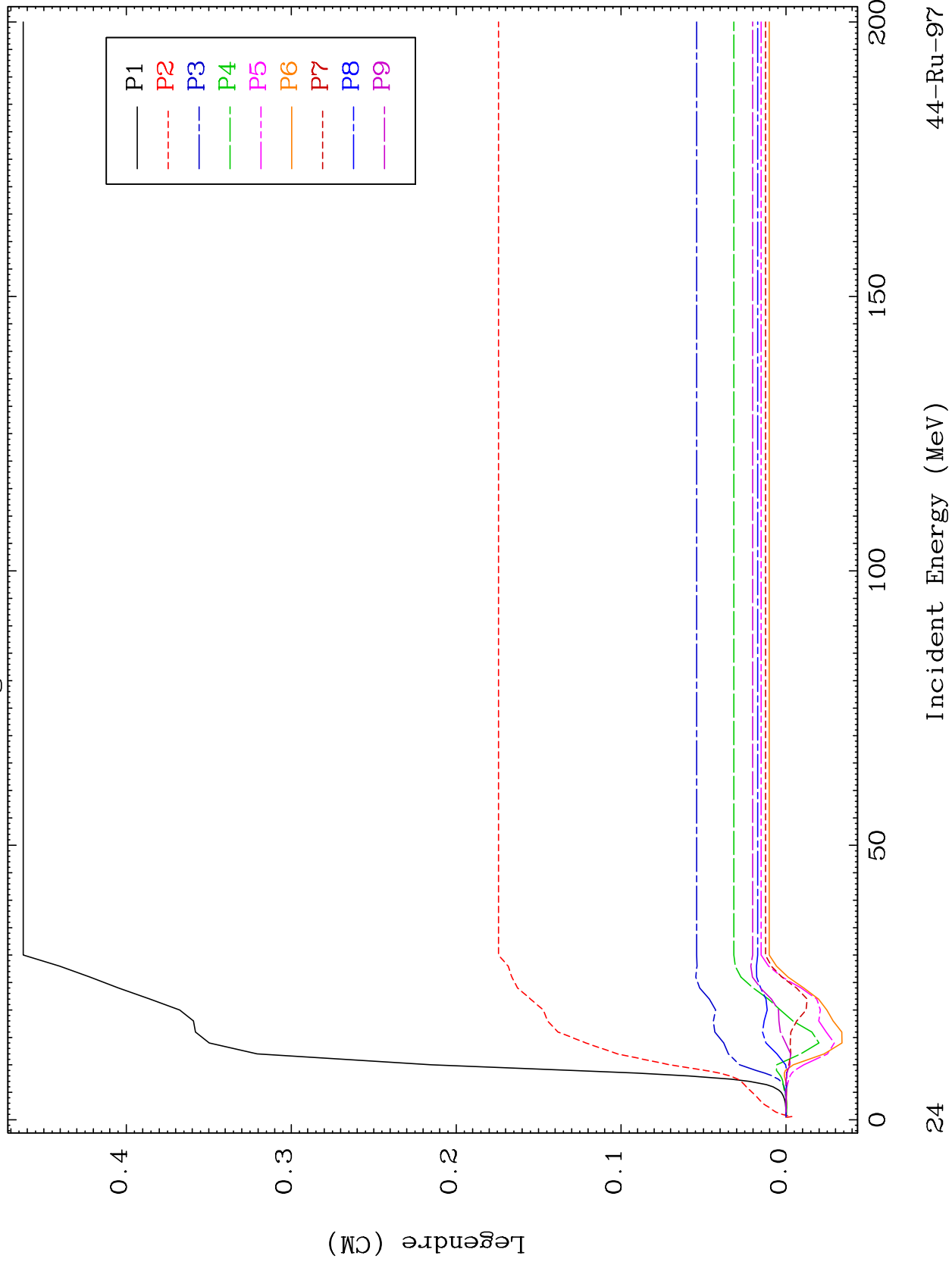
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

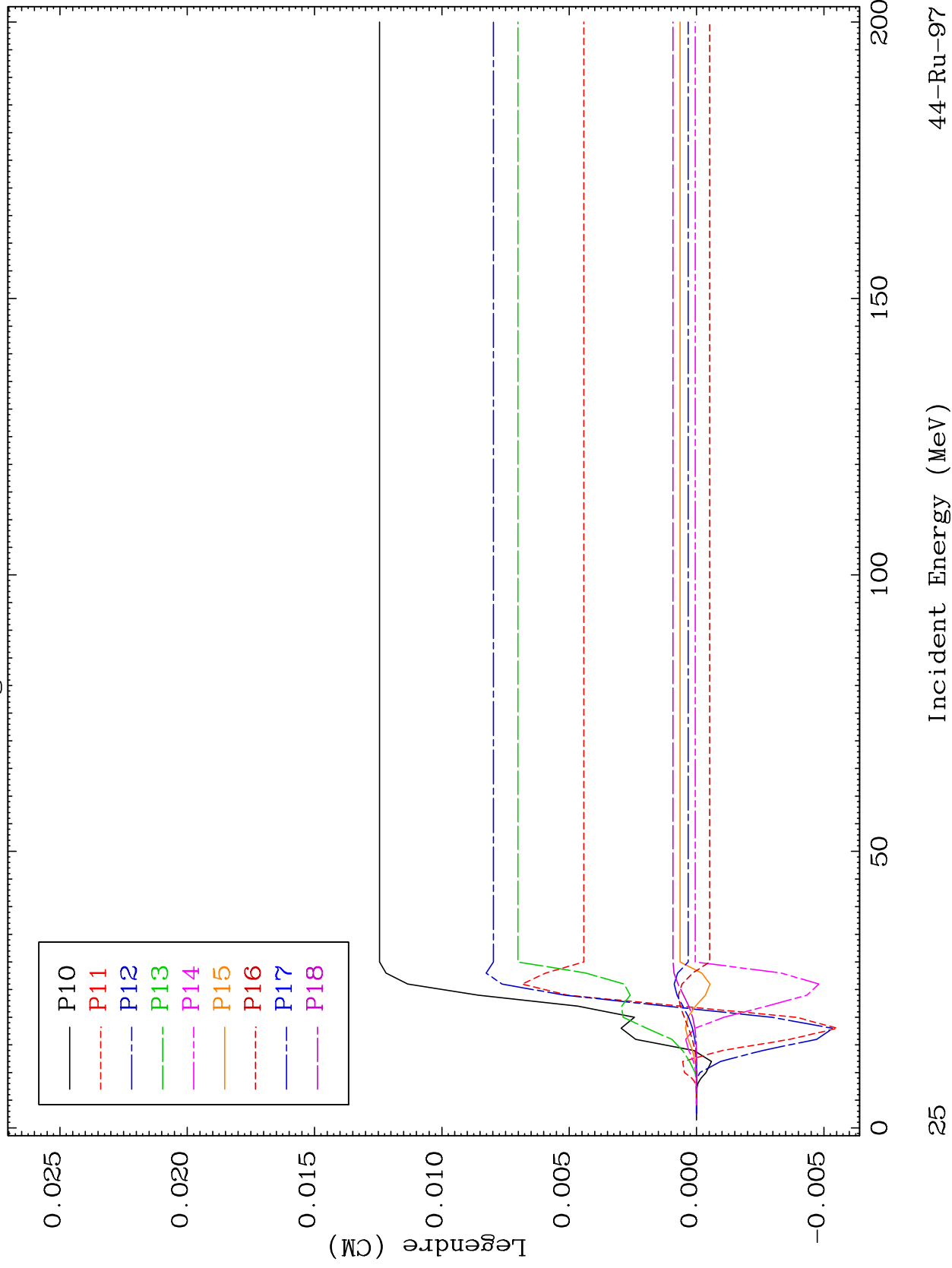
44-Ru-97



MAT 4428

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

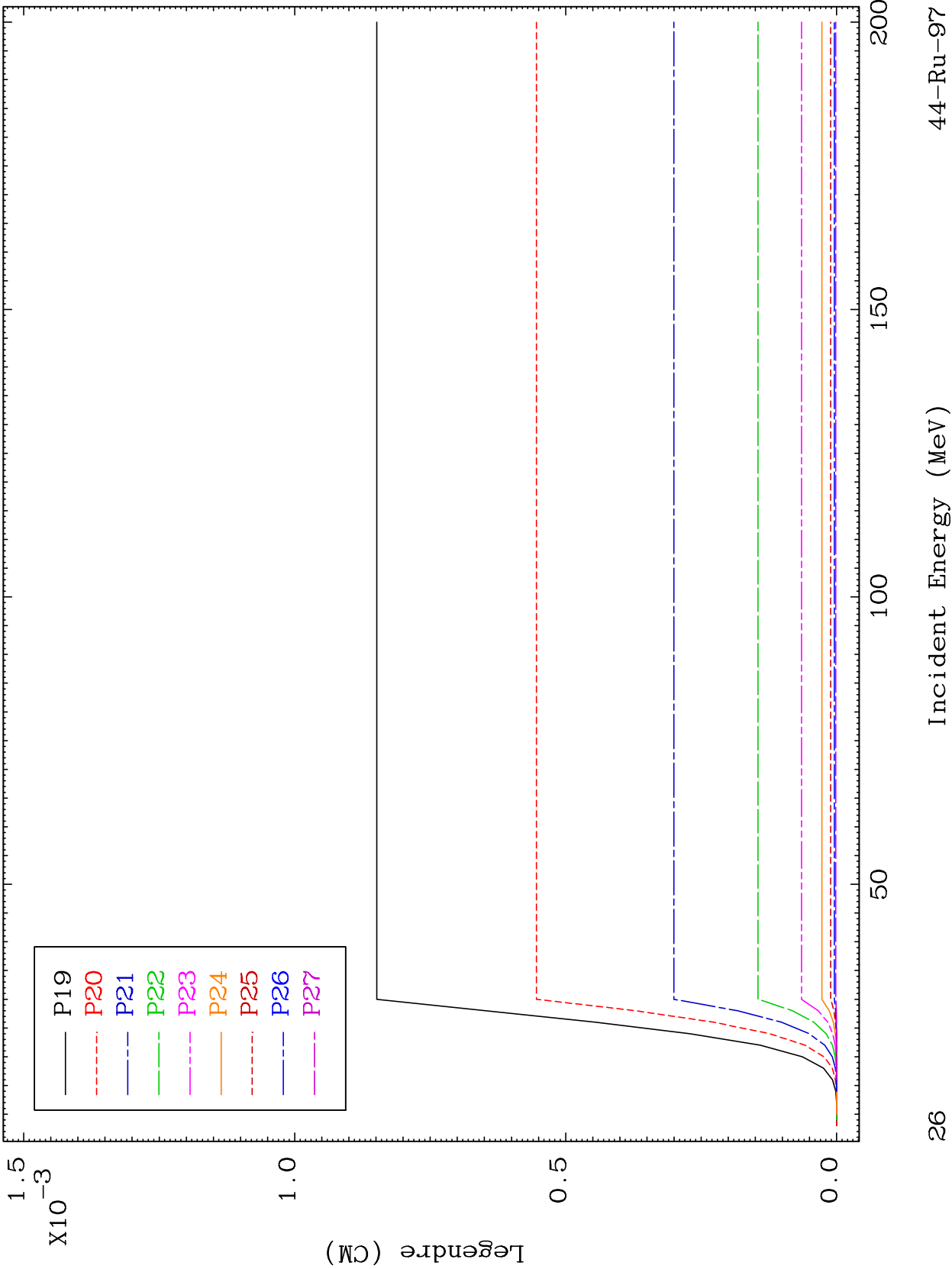
44-Ru-97



25

Incident Energy (MeV)

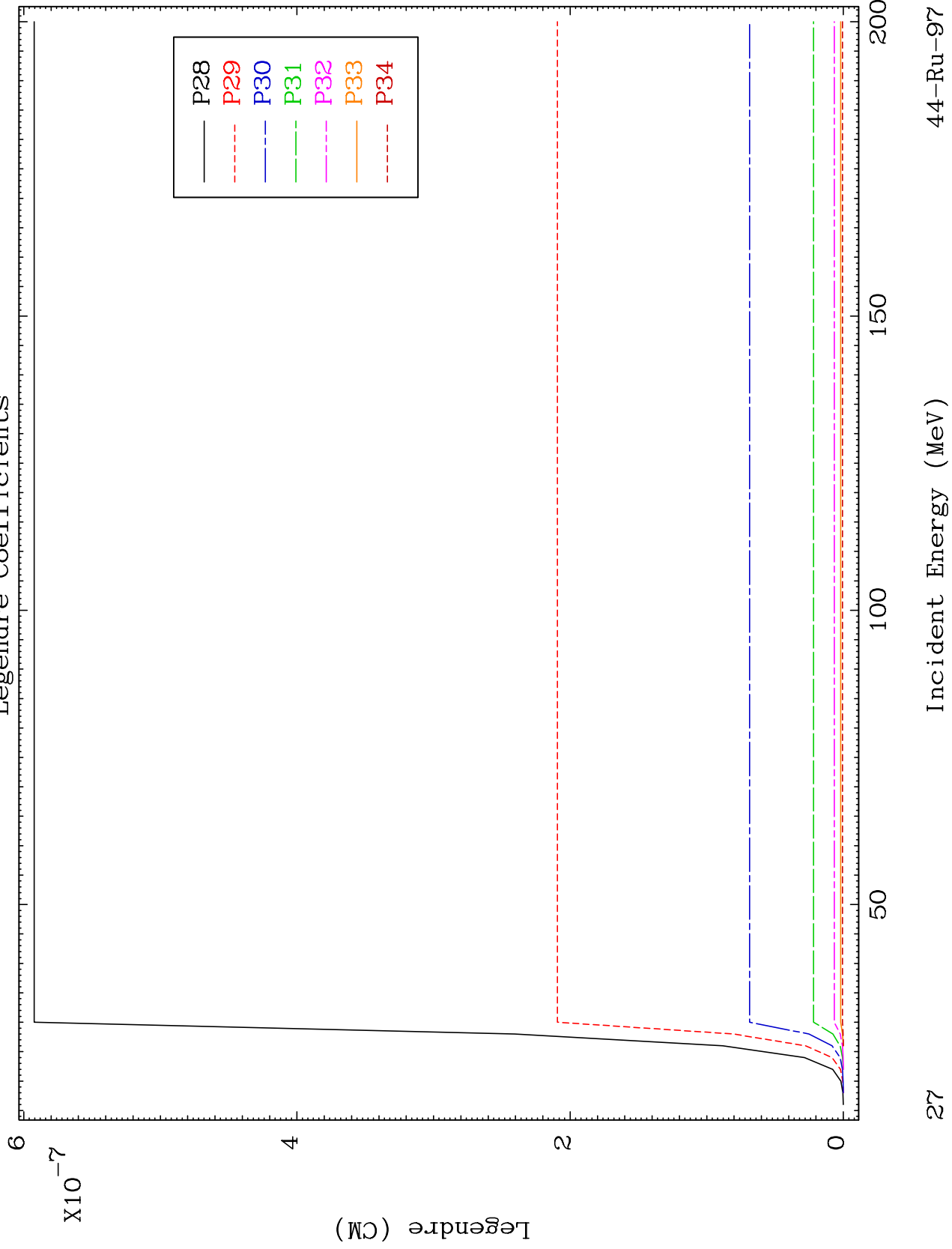
44-Ru-97



MAT 4428

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

44-Ru-97



27

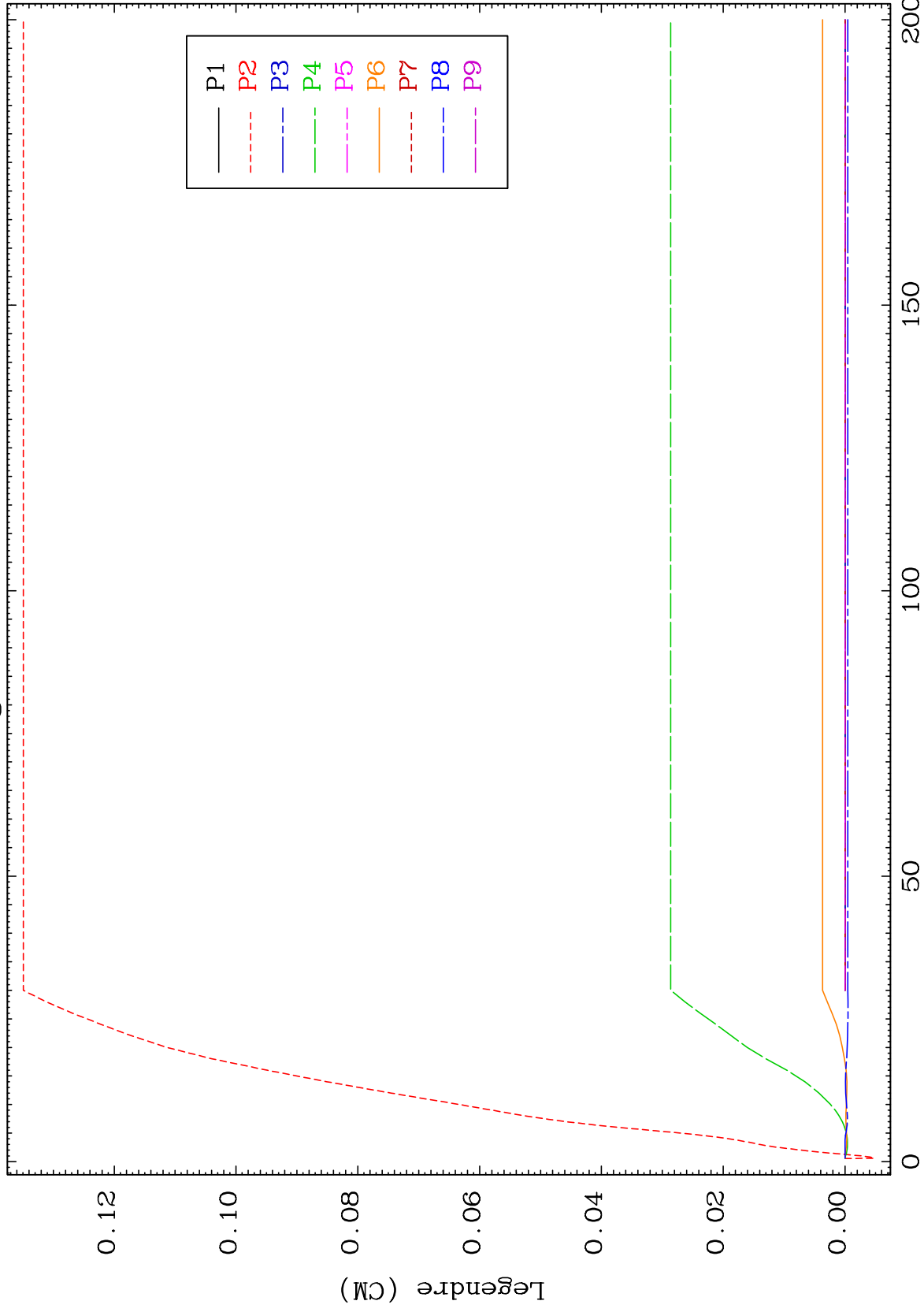
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

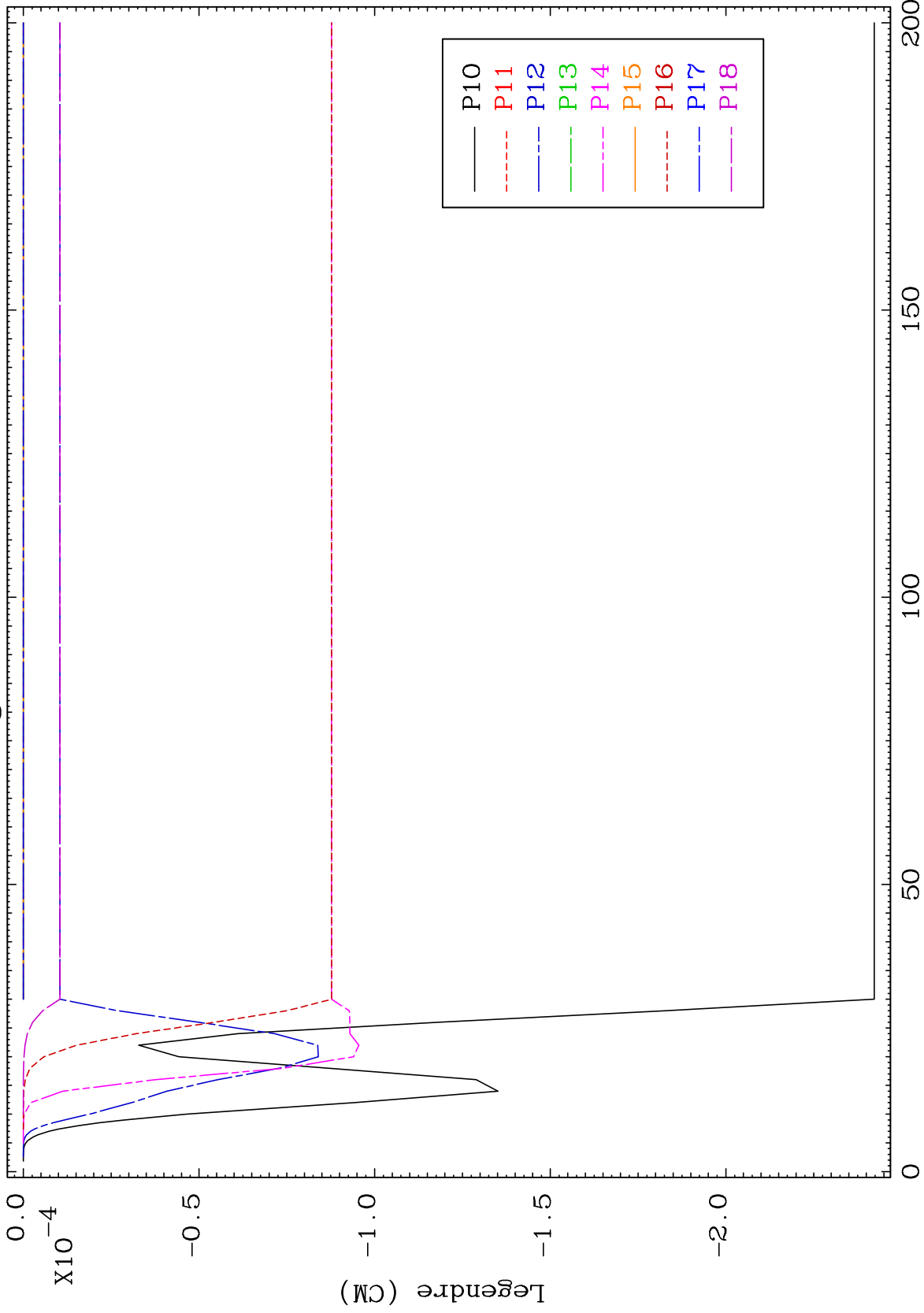
44-Ru-97

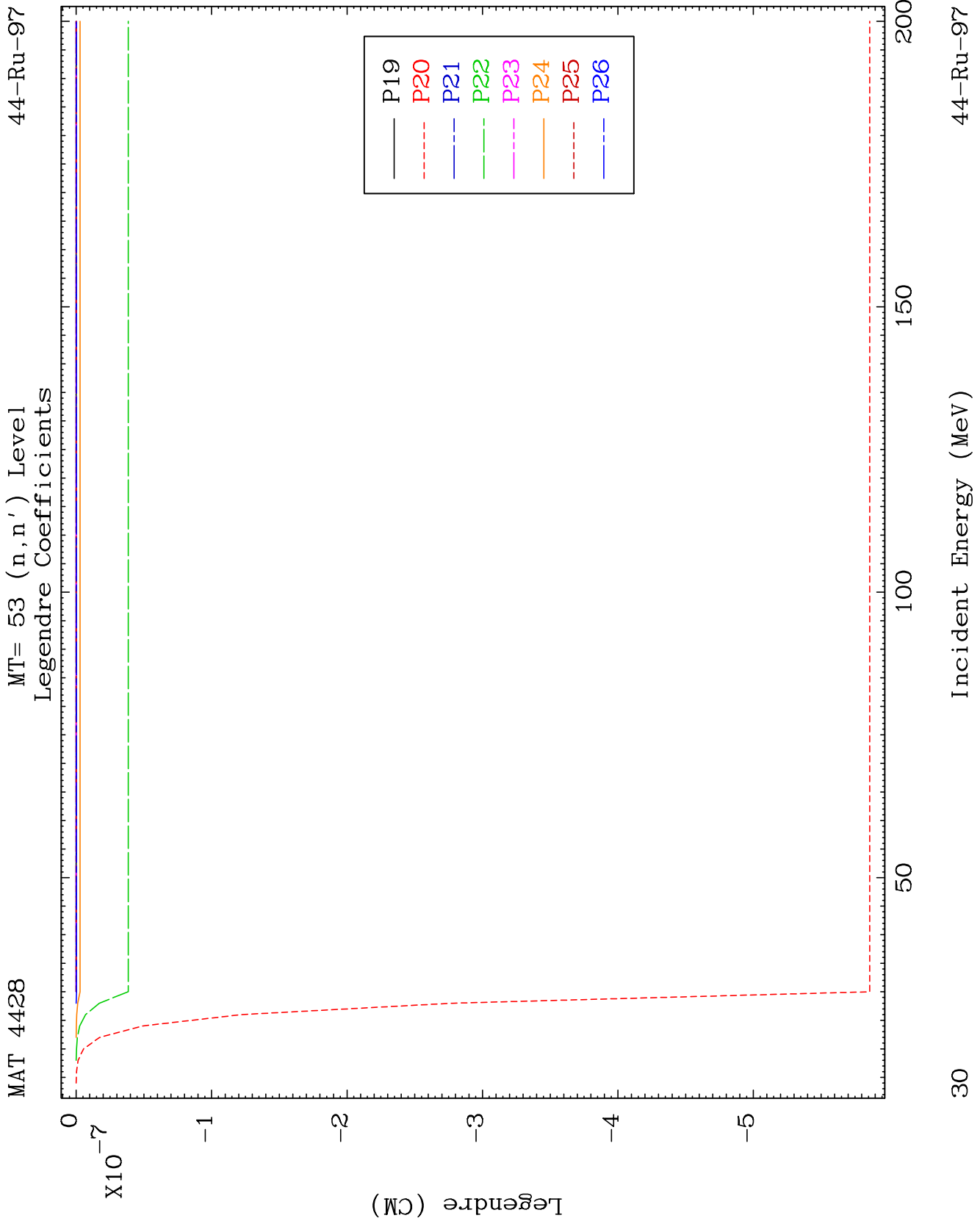


28

Incident Energy (MeV)

44-Ru-97

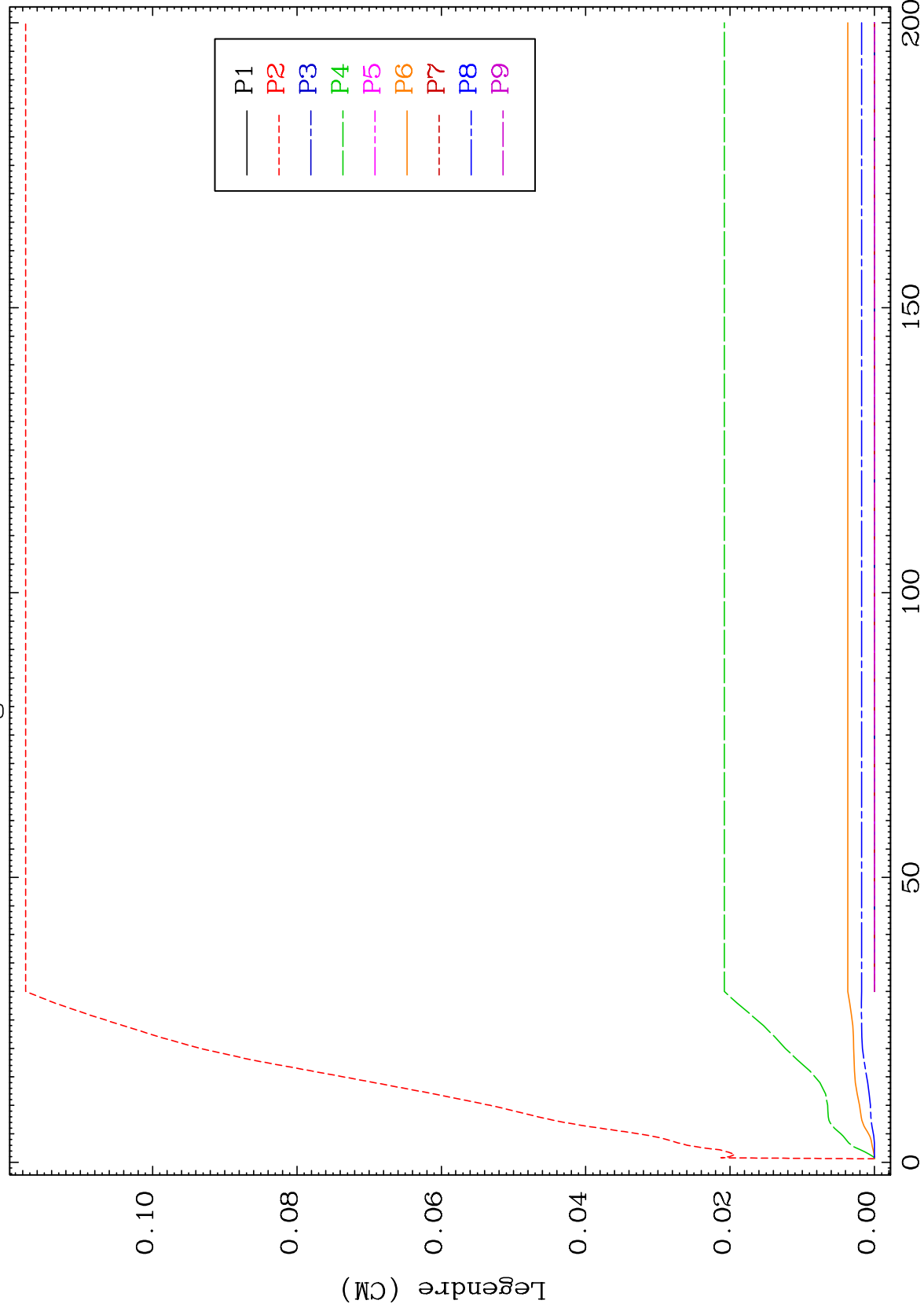




MAT 4428

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

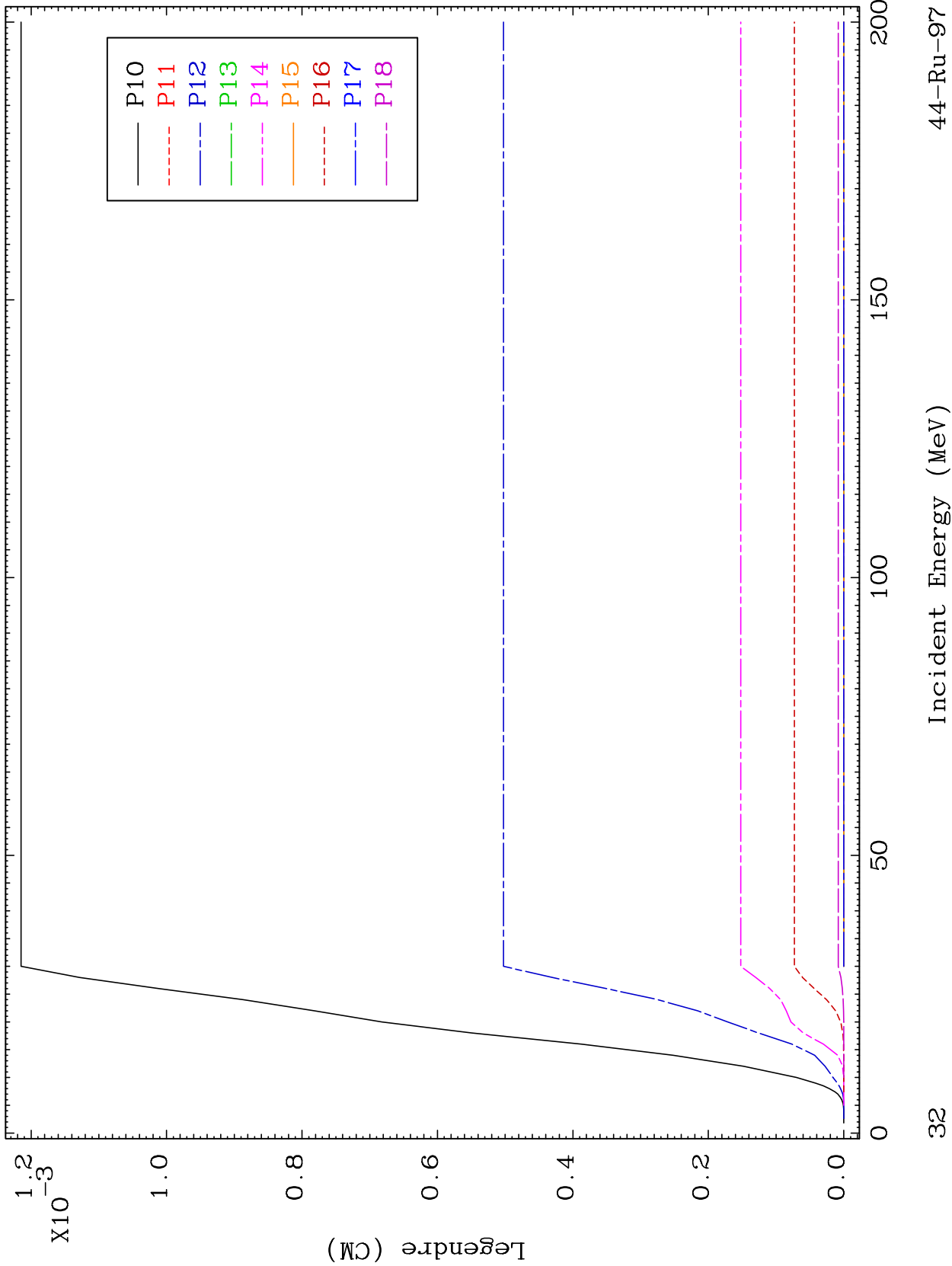
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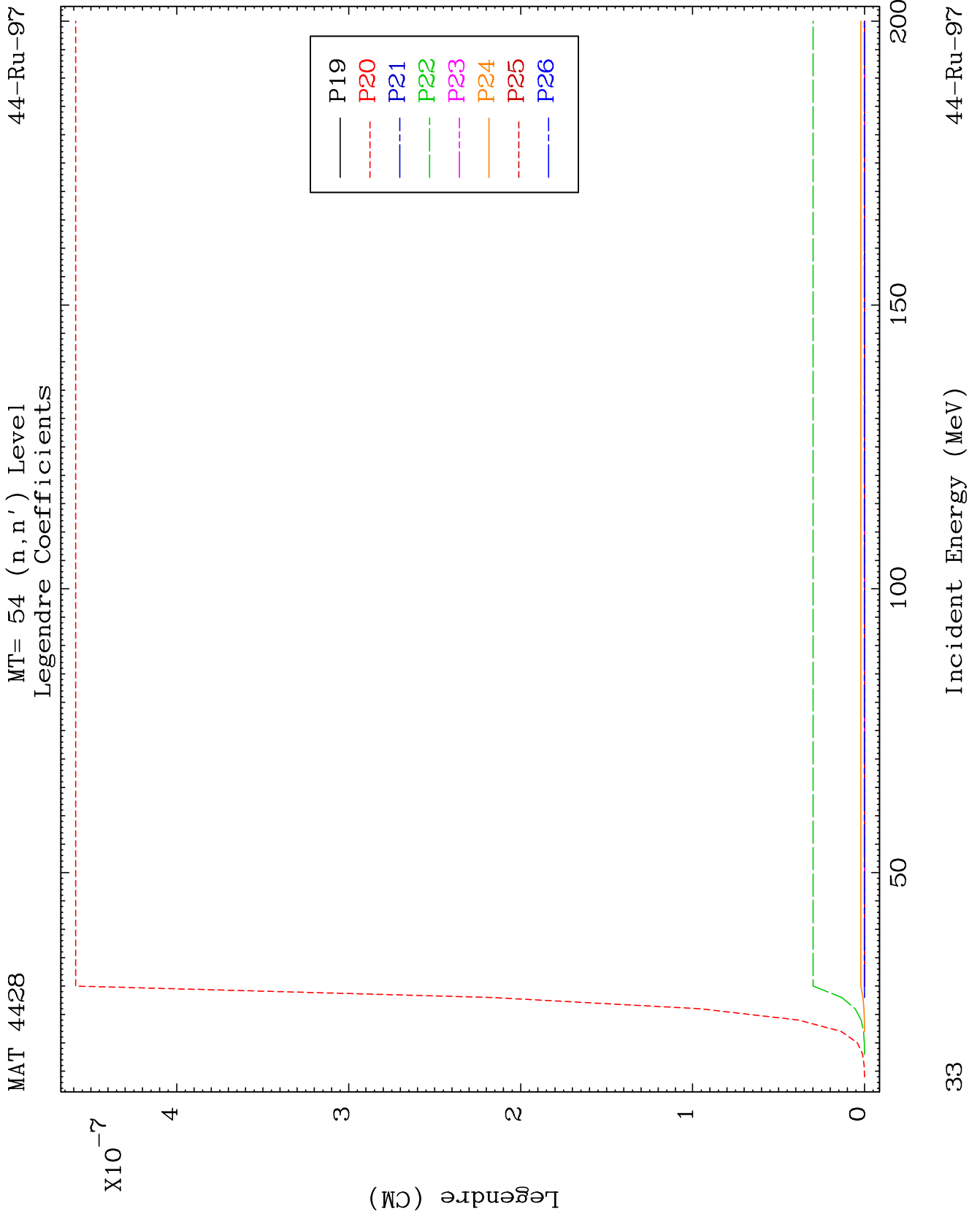


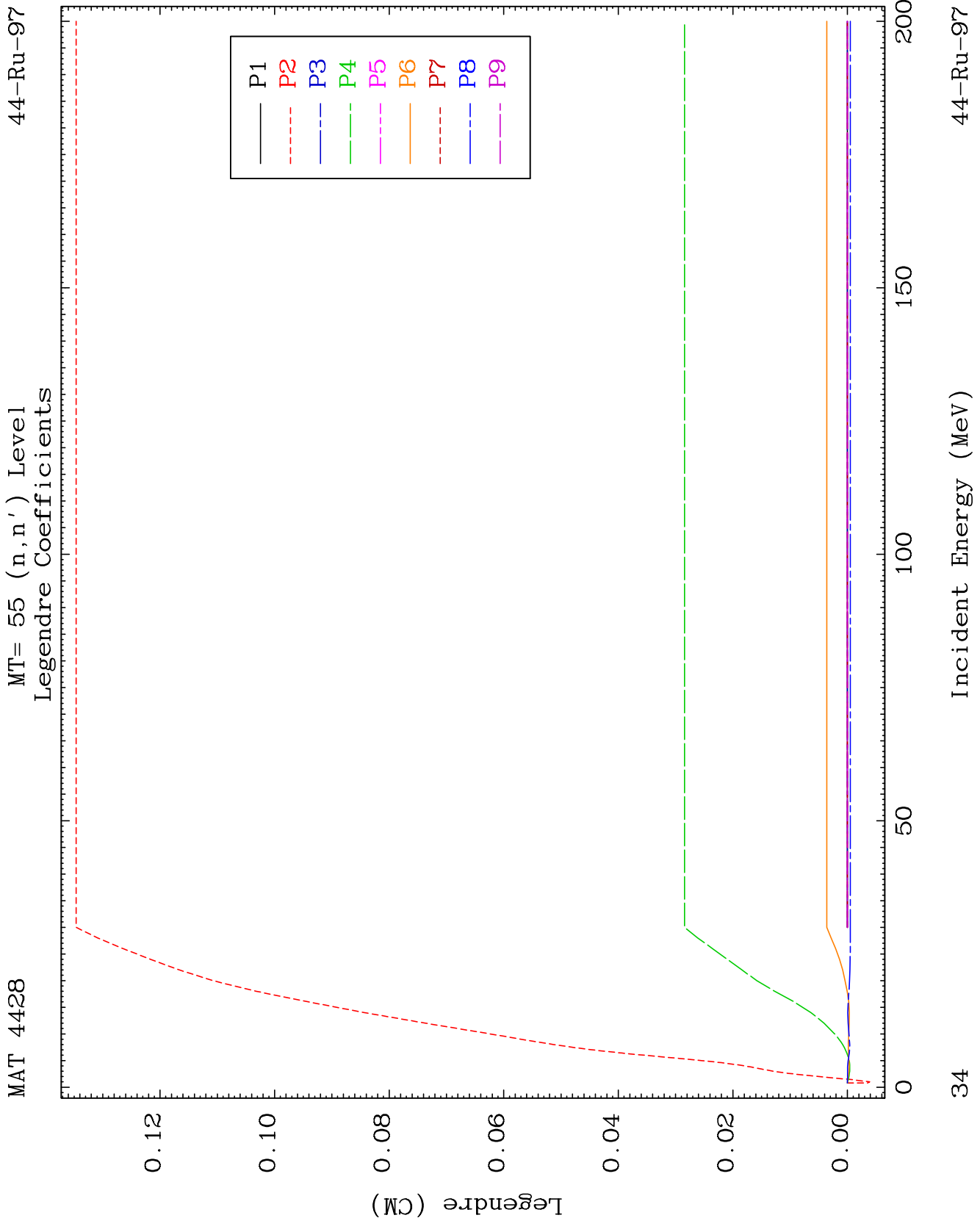
31

Incident Energy (MeV)

44-Ru-97



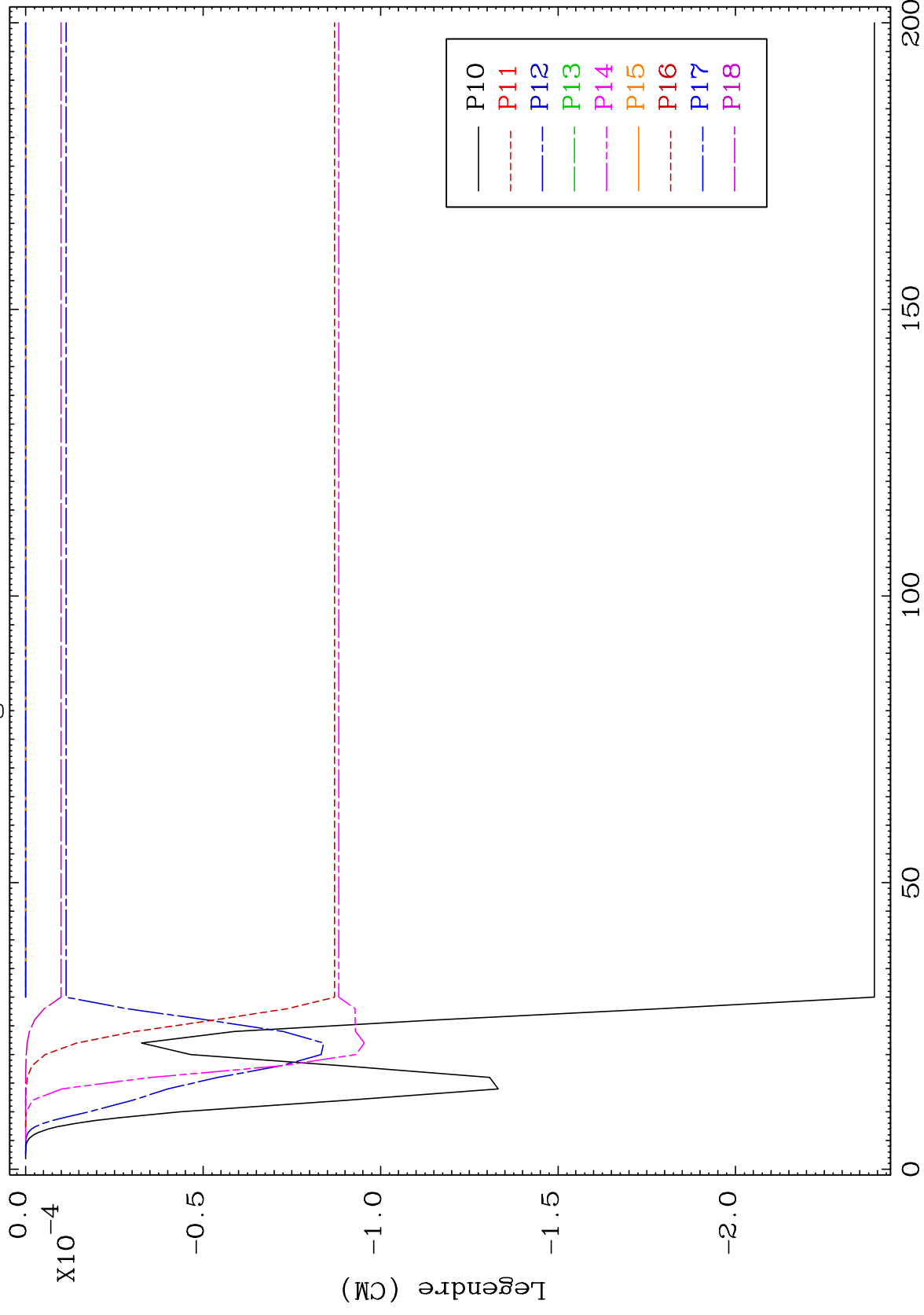




MAT 4428

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

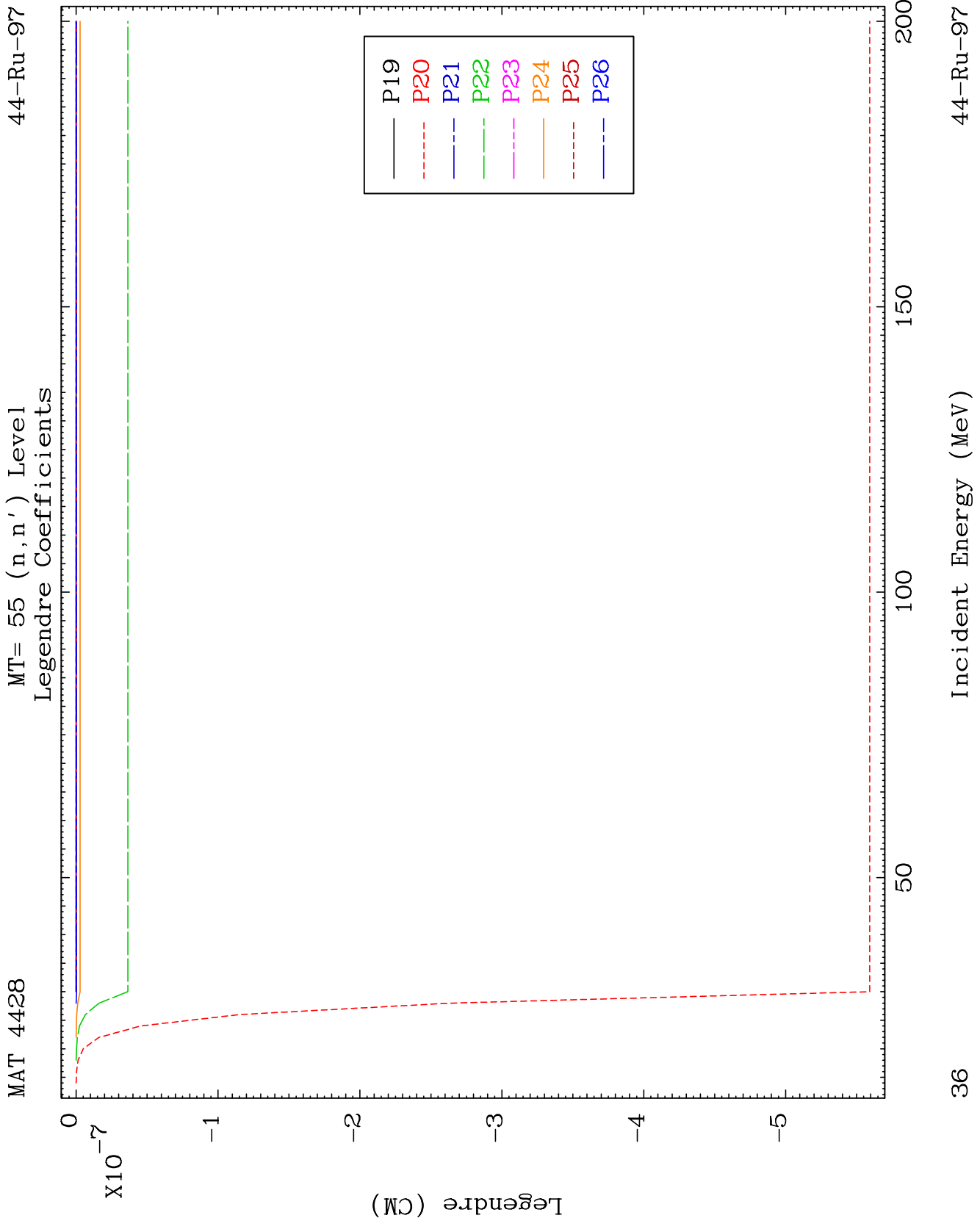
44-Ru-97



35

Incident Energy (MeV)

44-Ru-97

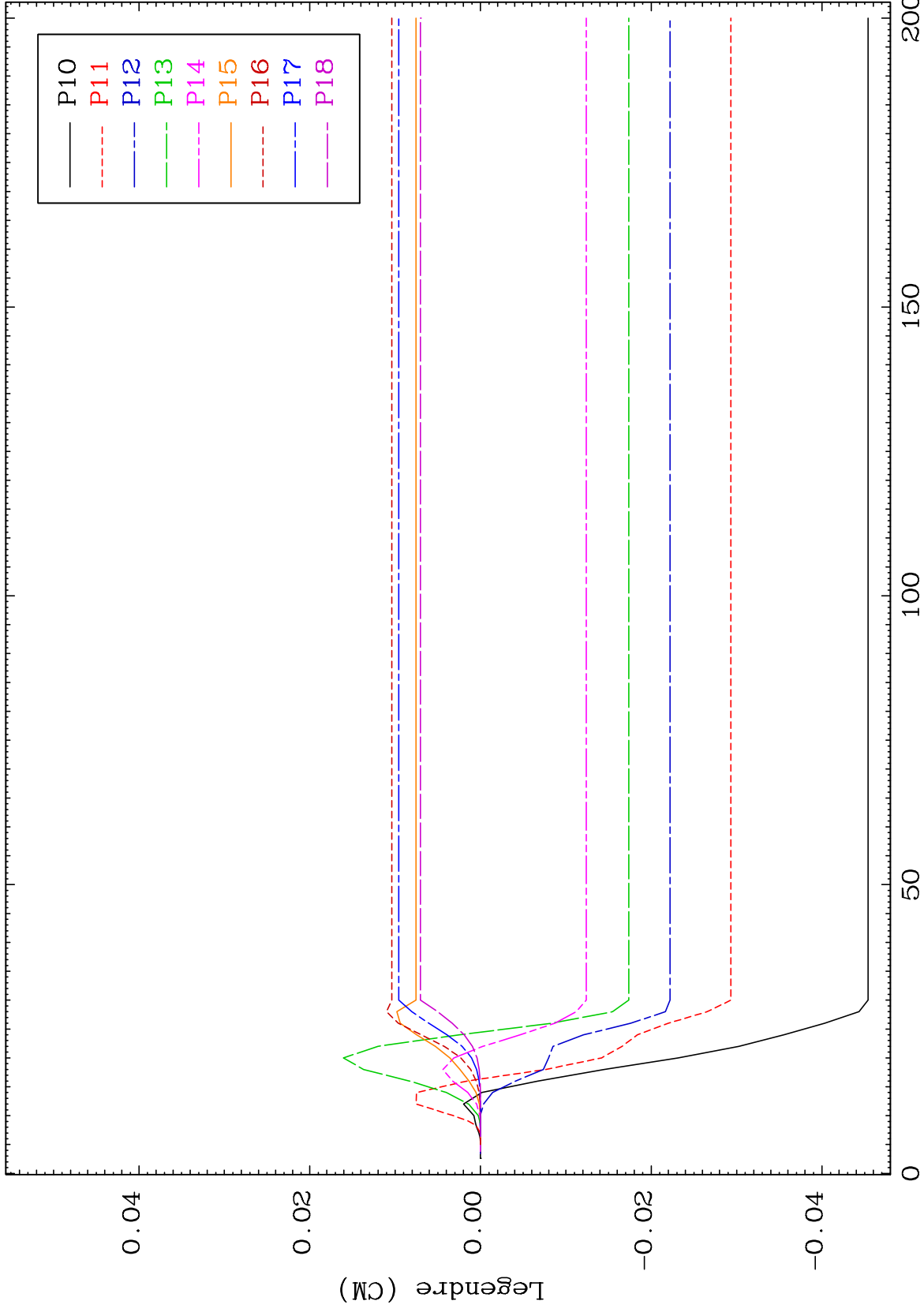




MAT 4428

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

44-Ru-97



38

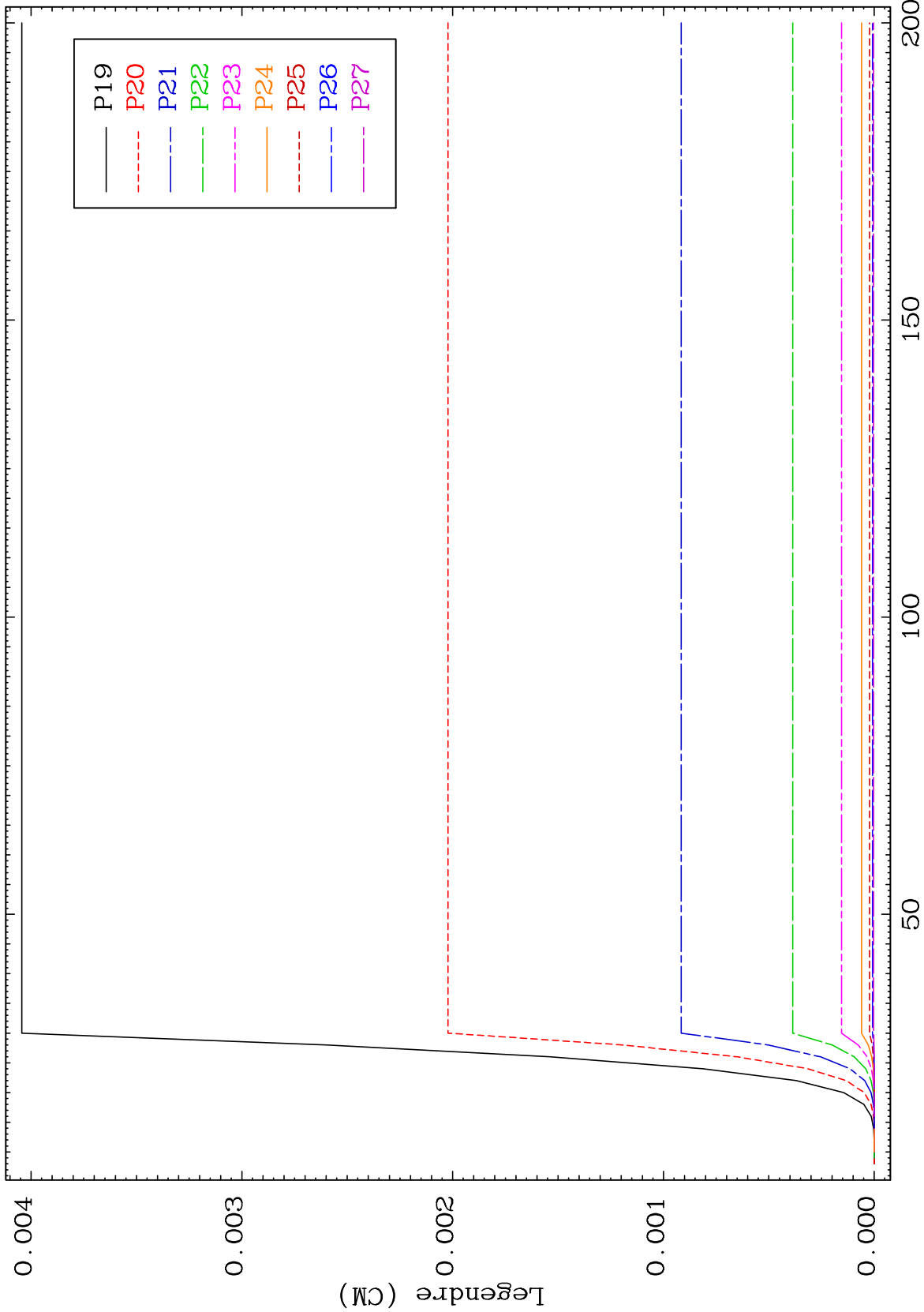
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



39

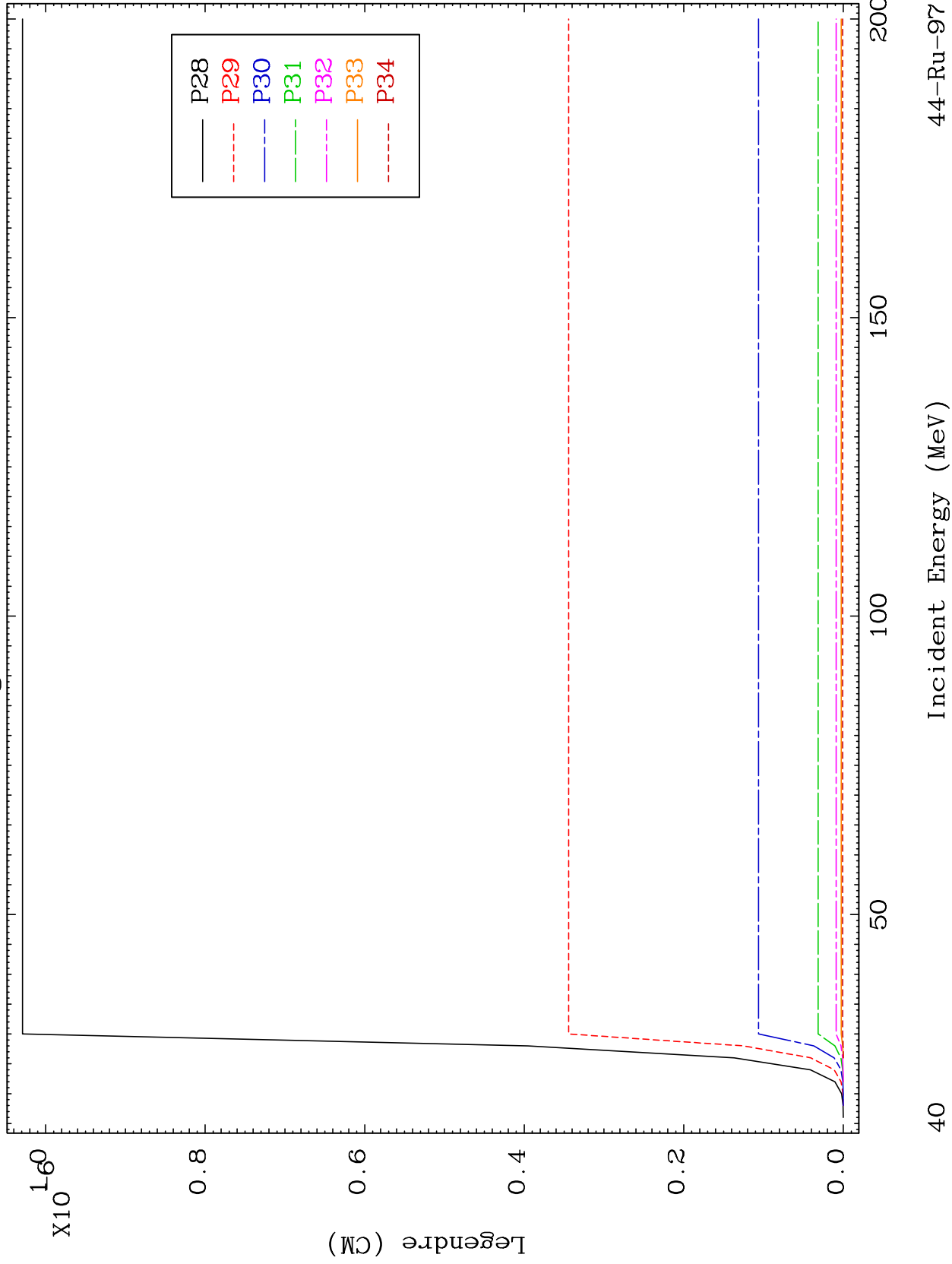
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

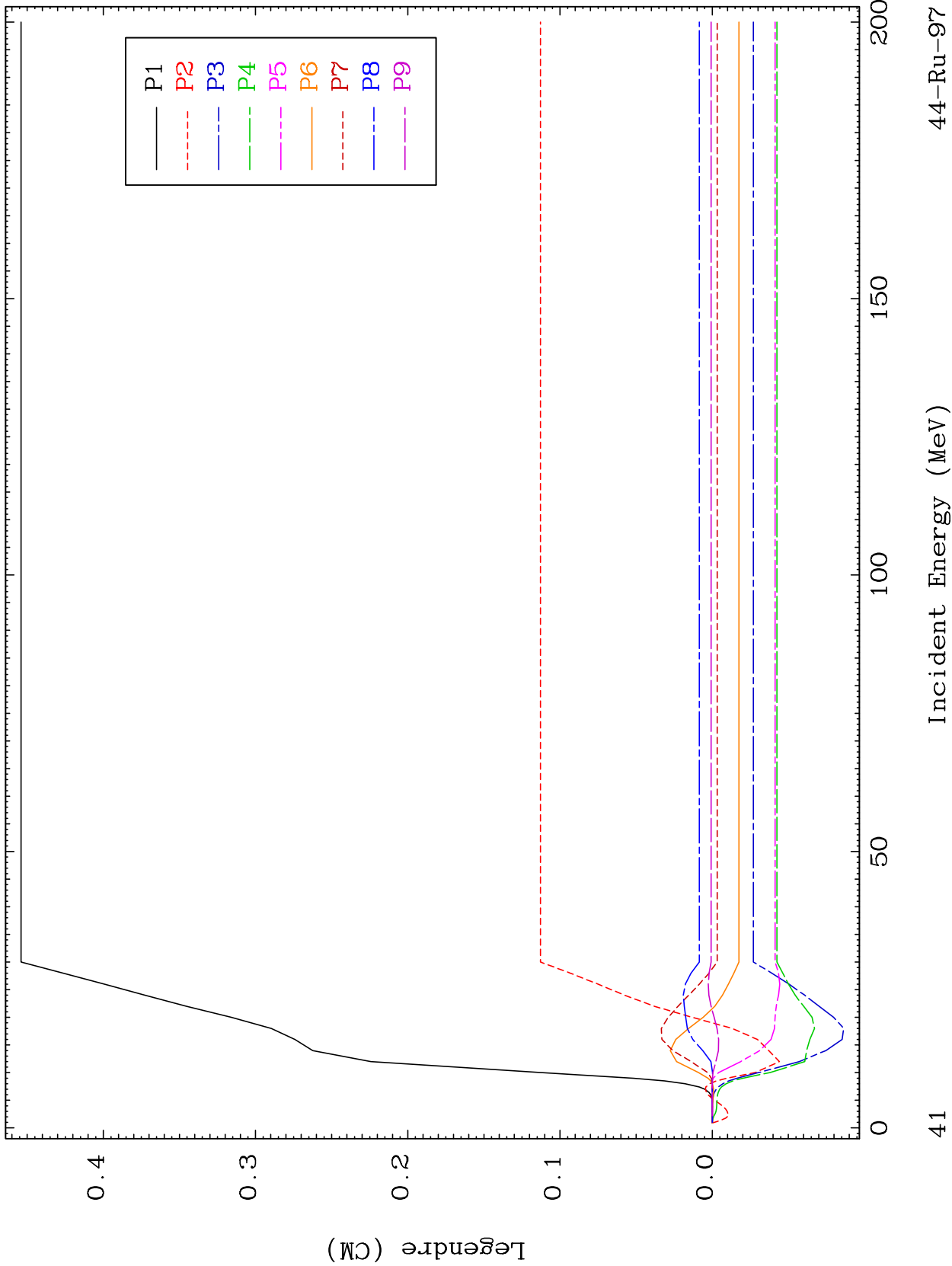
44-Ru-97



MAT 4428

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

44-Ru-97



44-Ru-97

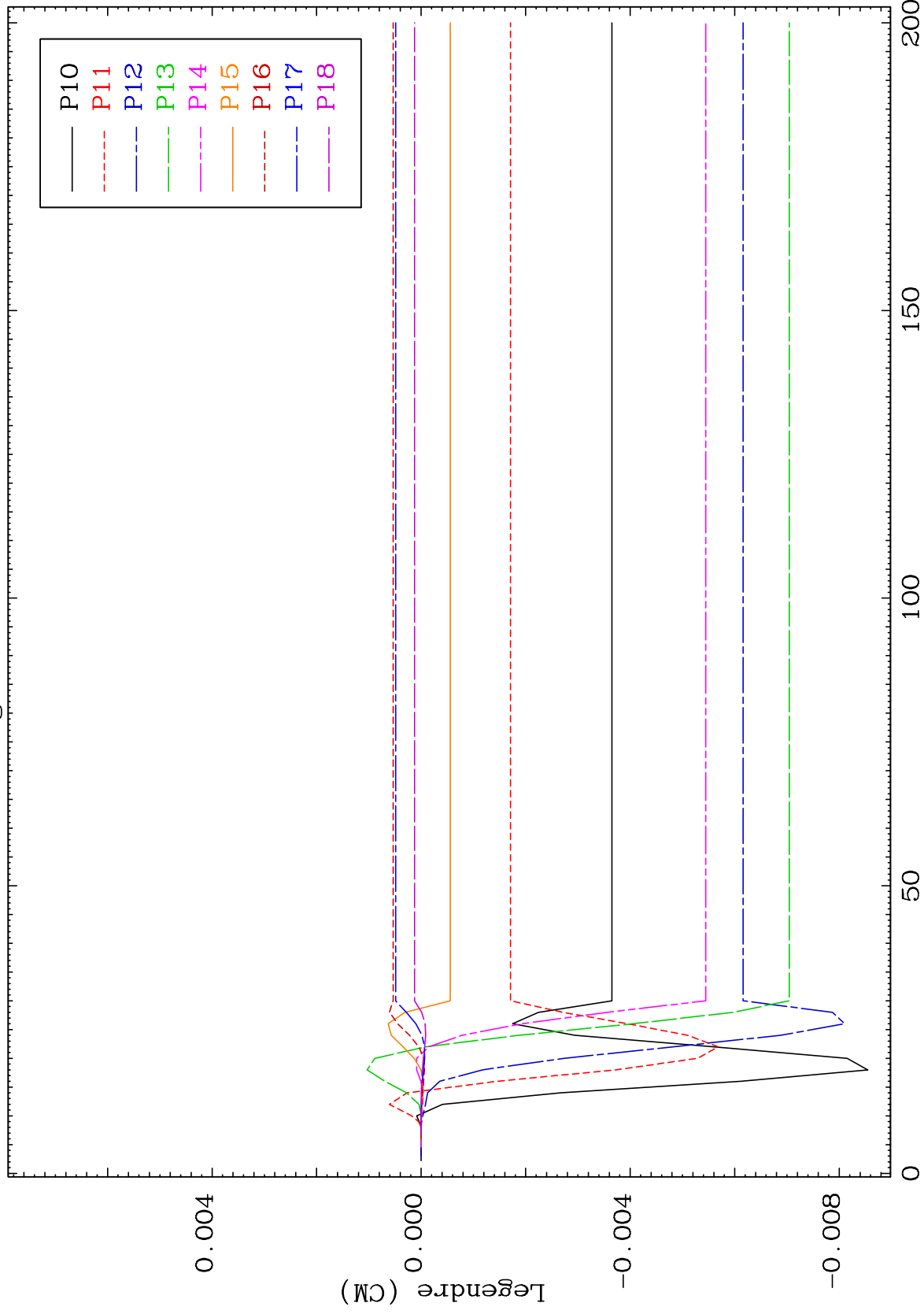
Incident Energy (MeV)

41

MAT 4428

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

44-Ru-97



42

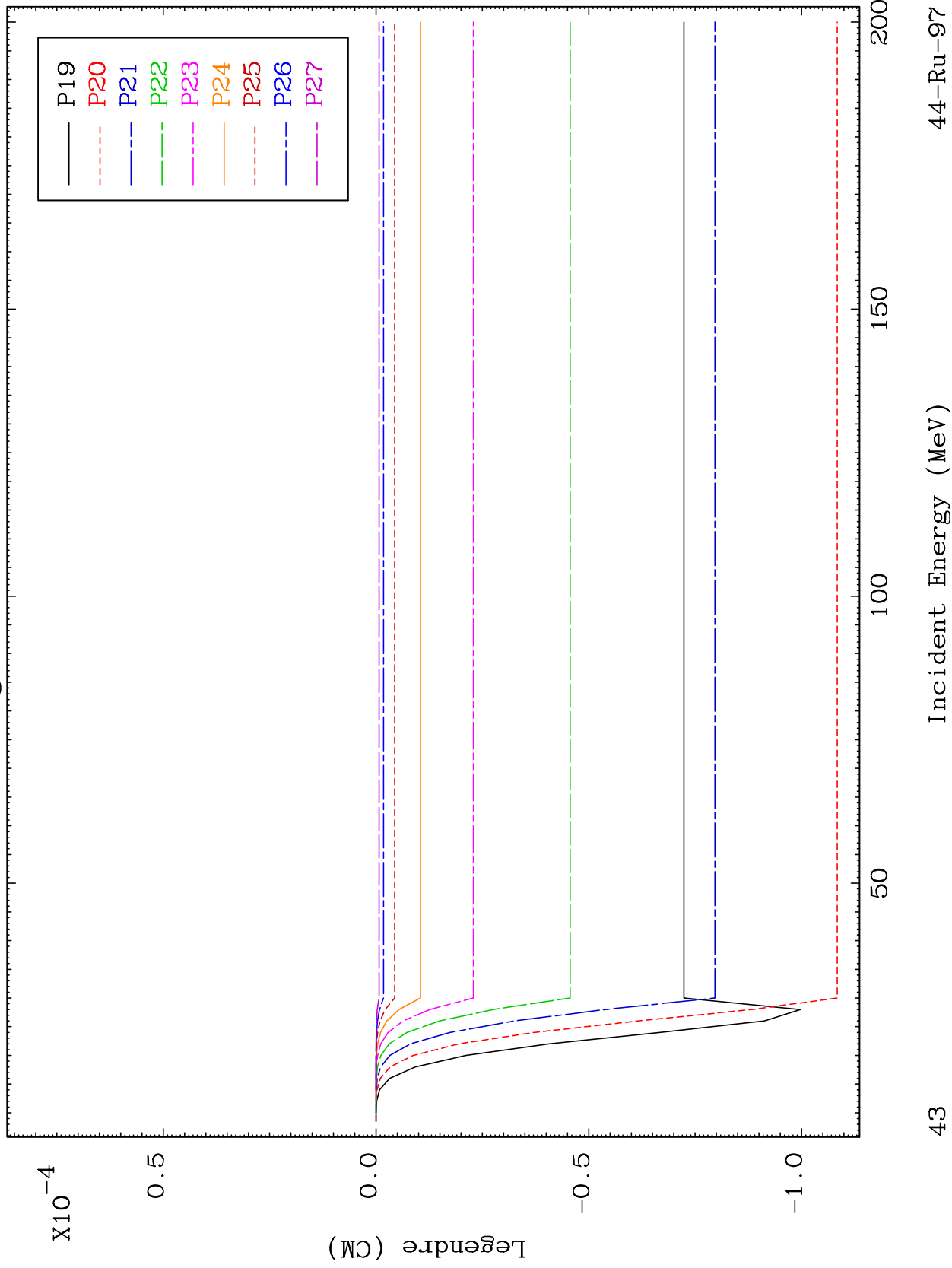
Incident Energy (MeV)

44-Ru-97

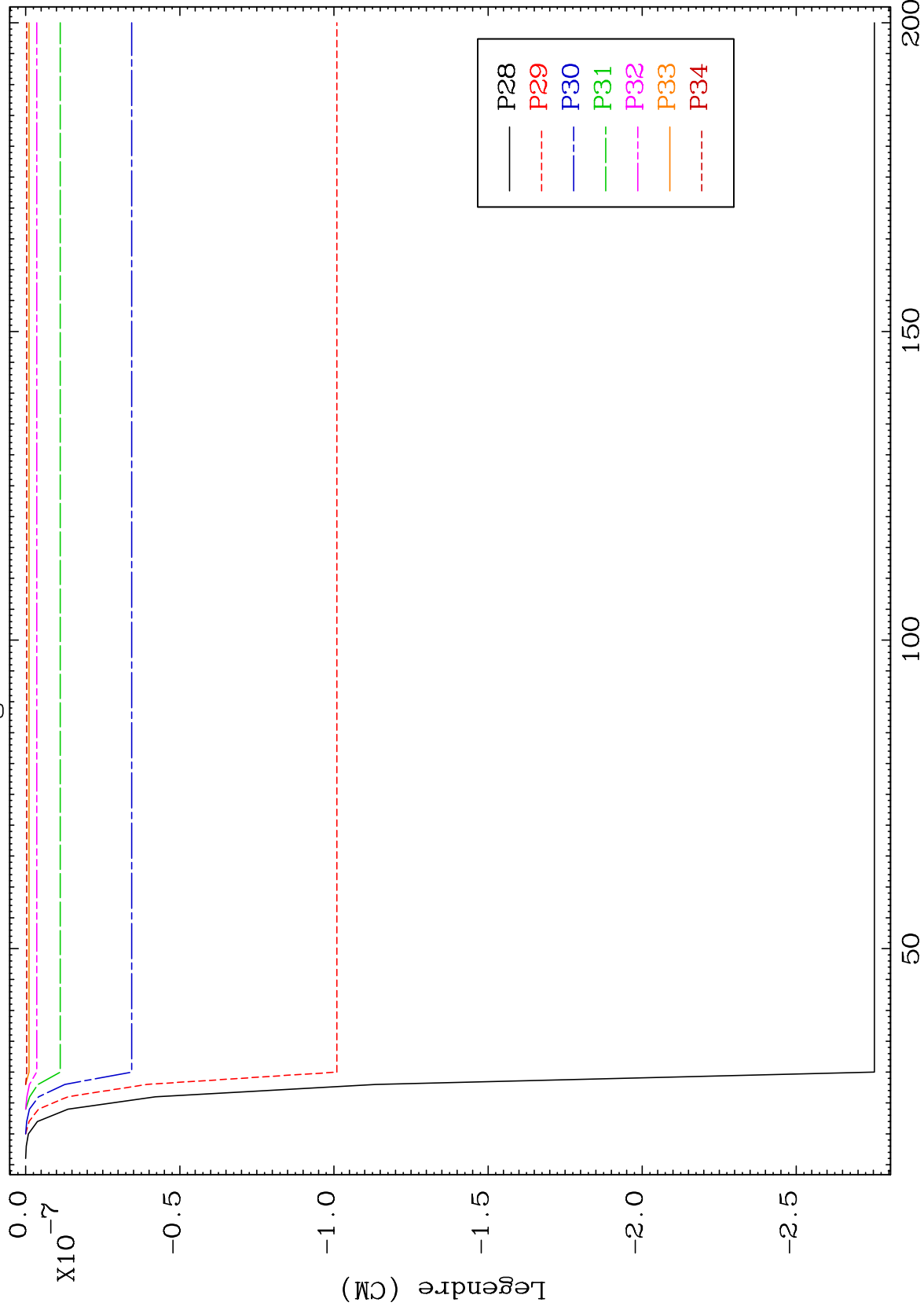
MAT 4428

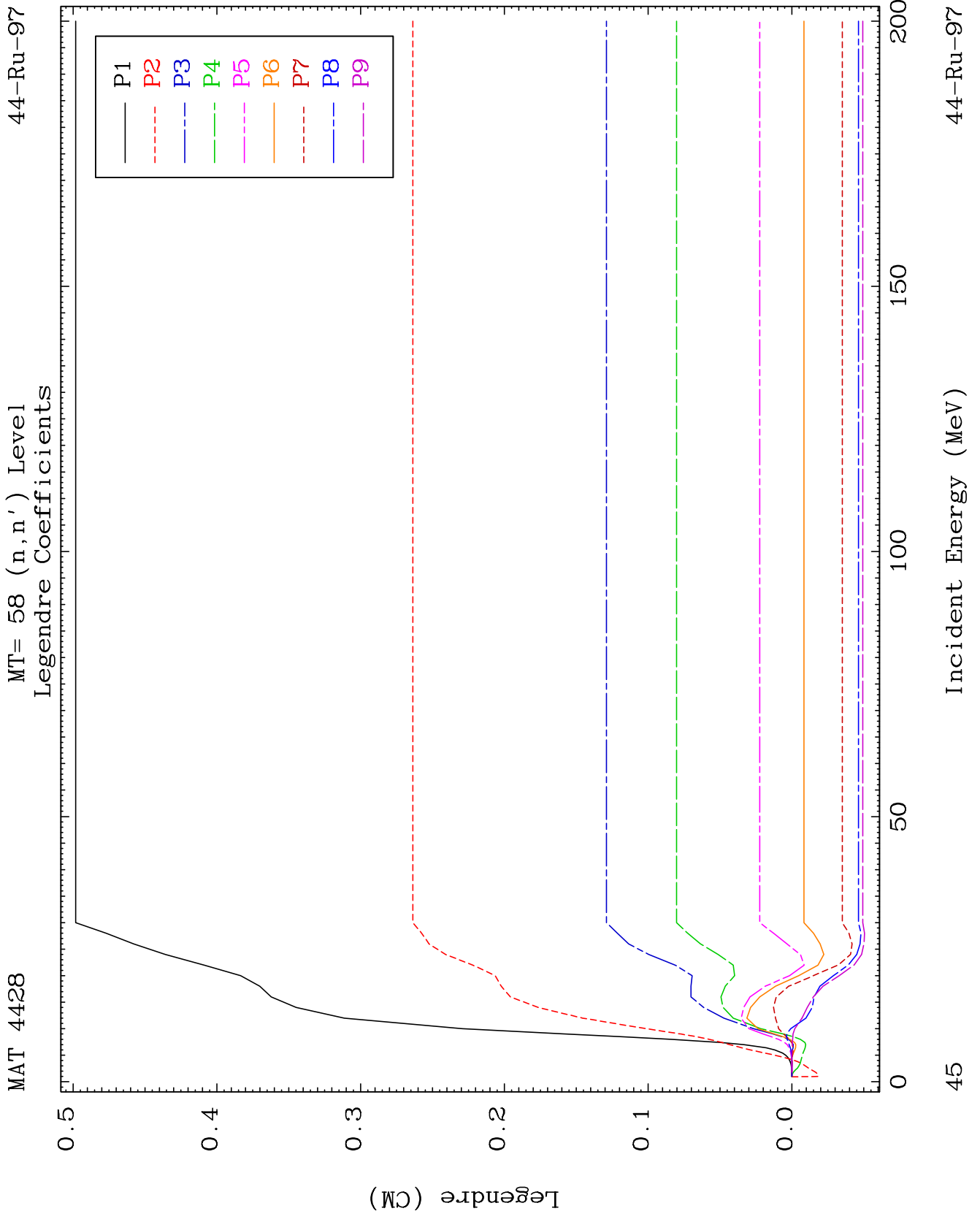
MT= 57 (n,n') Level  
Legendre Coefficients

44-Ru-97



Legendre Coefficients

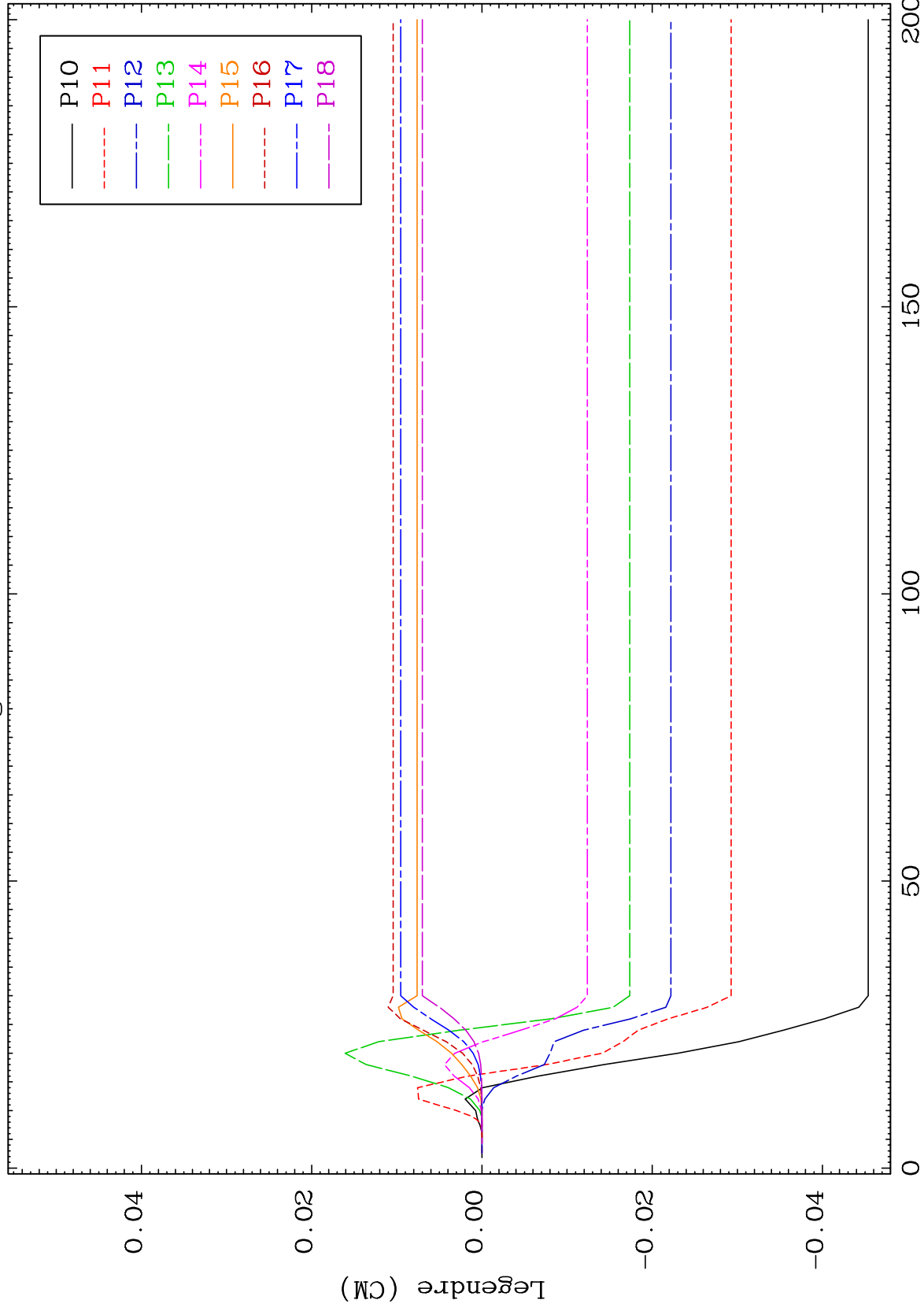




MAT 4428

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

44-Ru-97



46

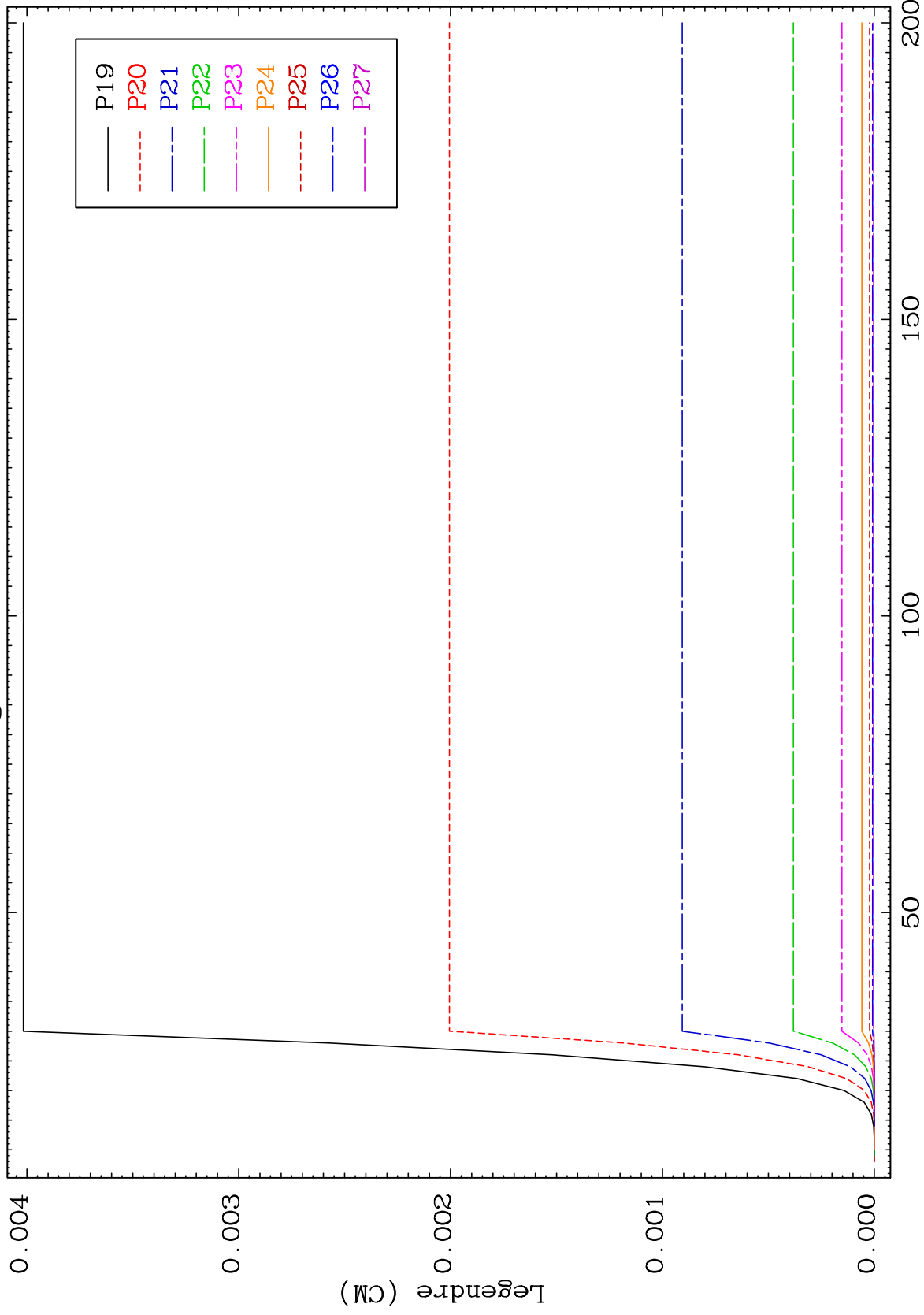
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



47

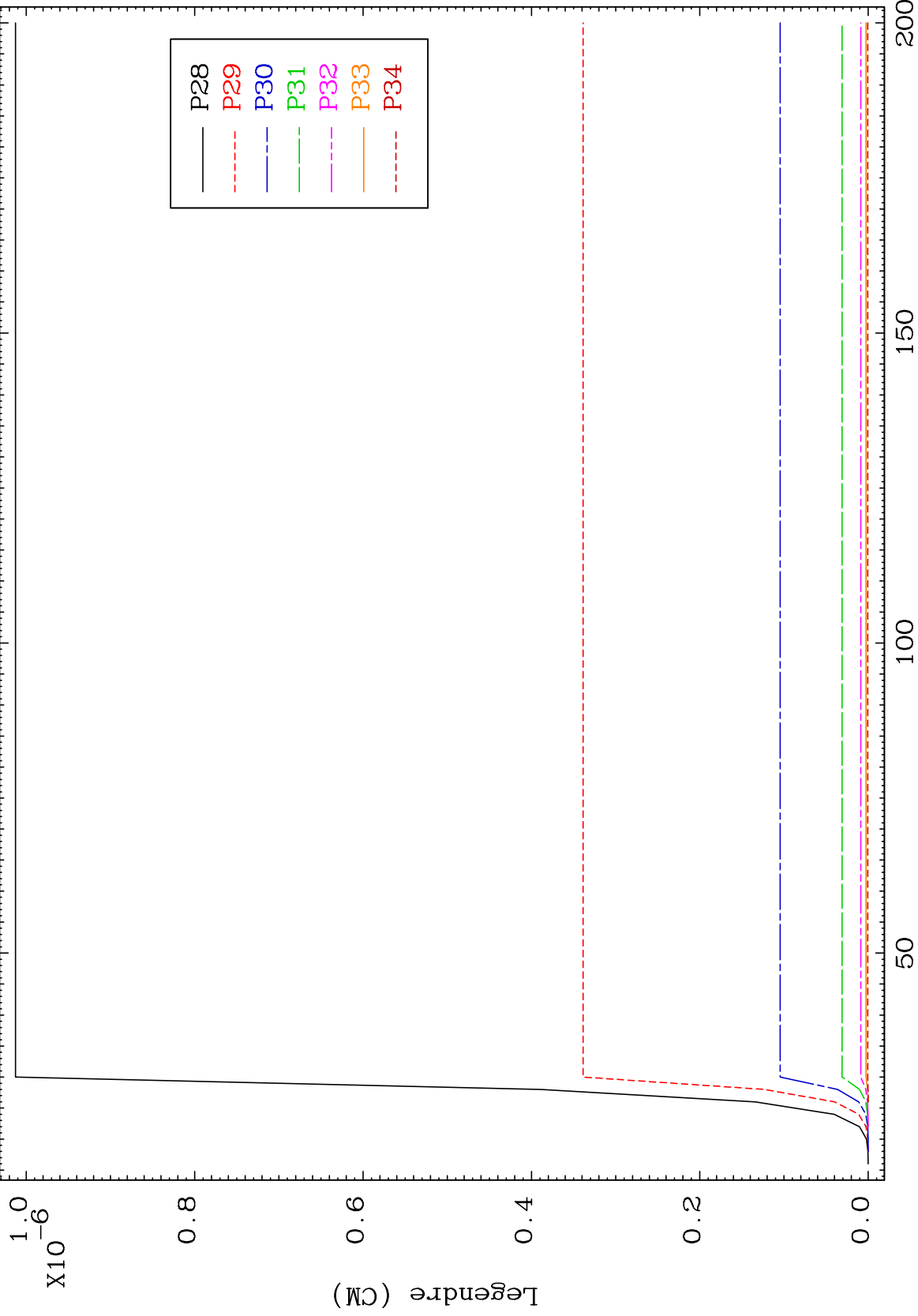
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



48

Incident Energy (MeV)

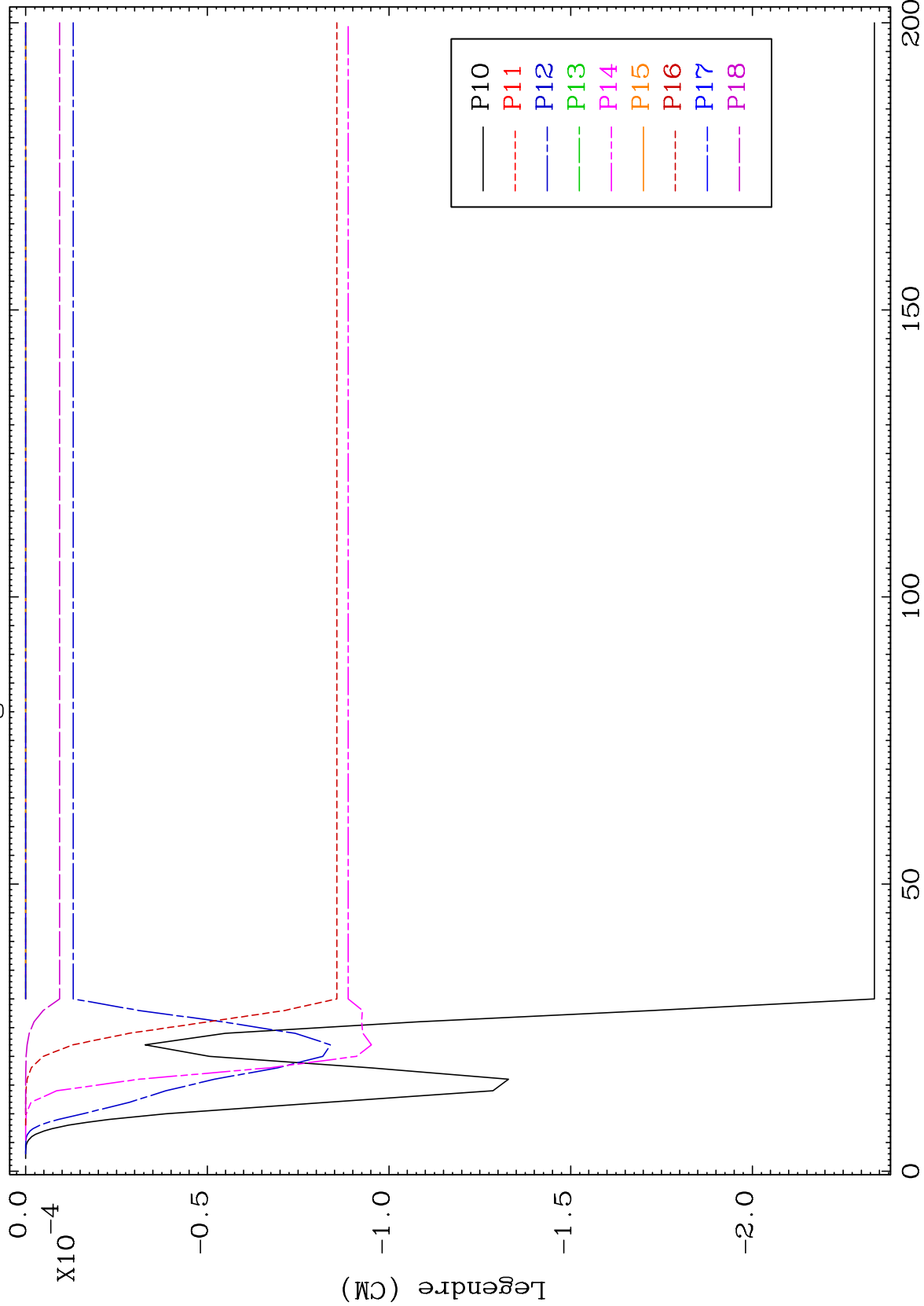
44-Ru-97



MAT 4428

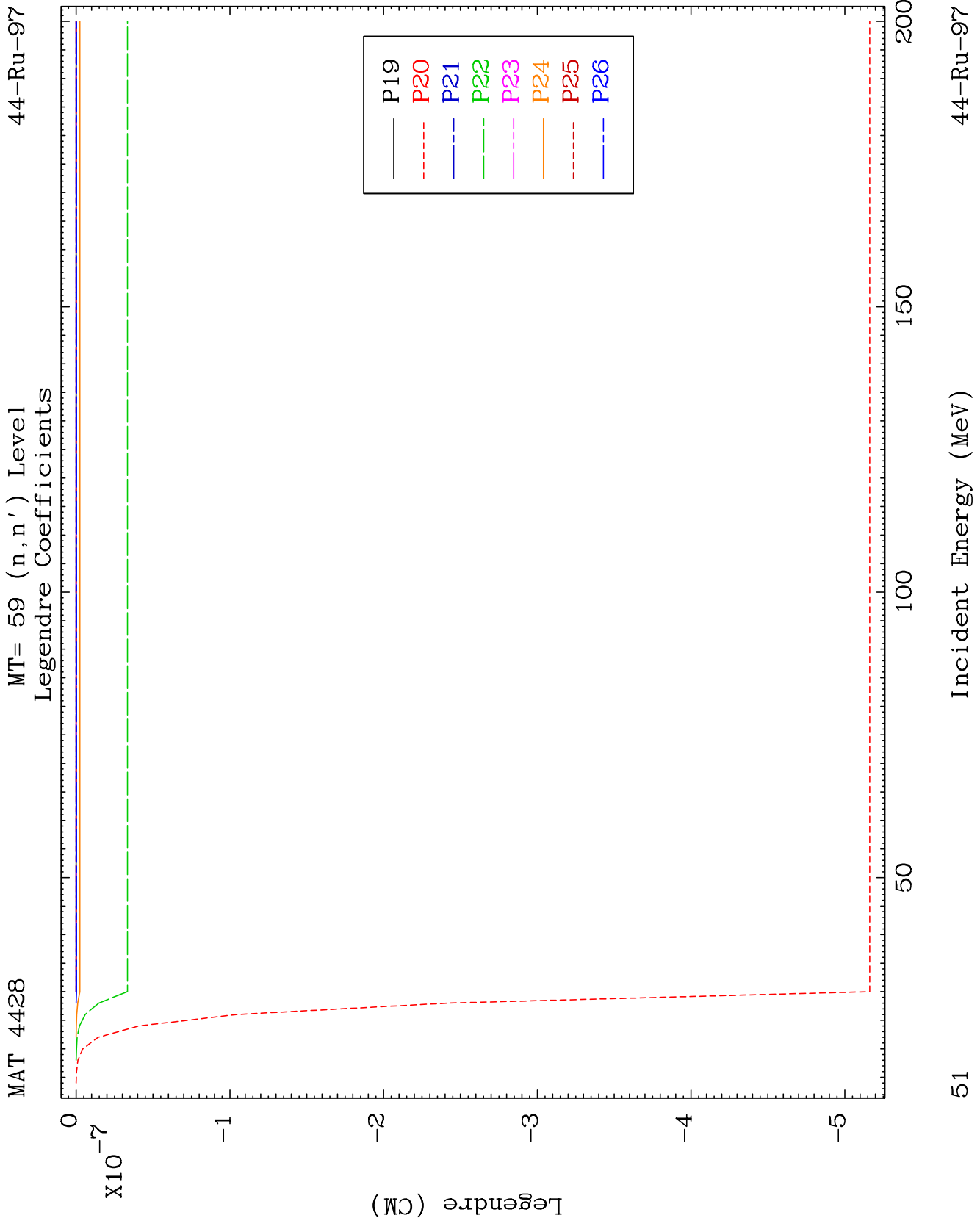
MT= 59 (n,n') Level  
Legendre Coefficients

44-Ru-97



Incident Energy (MeV)

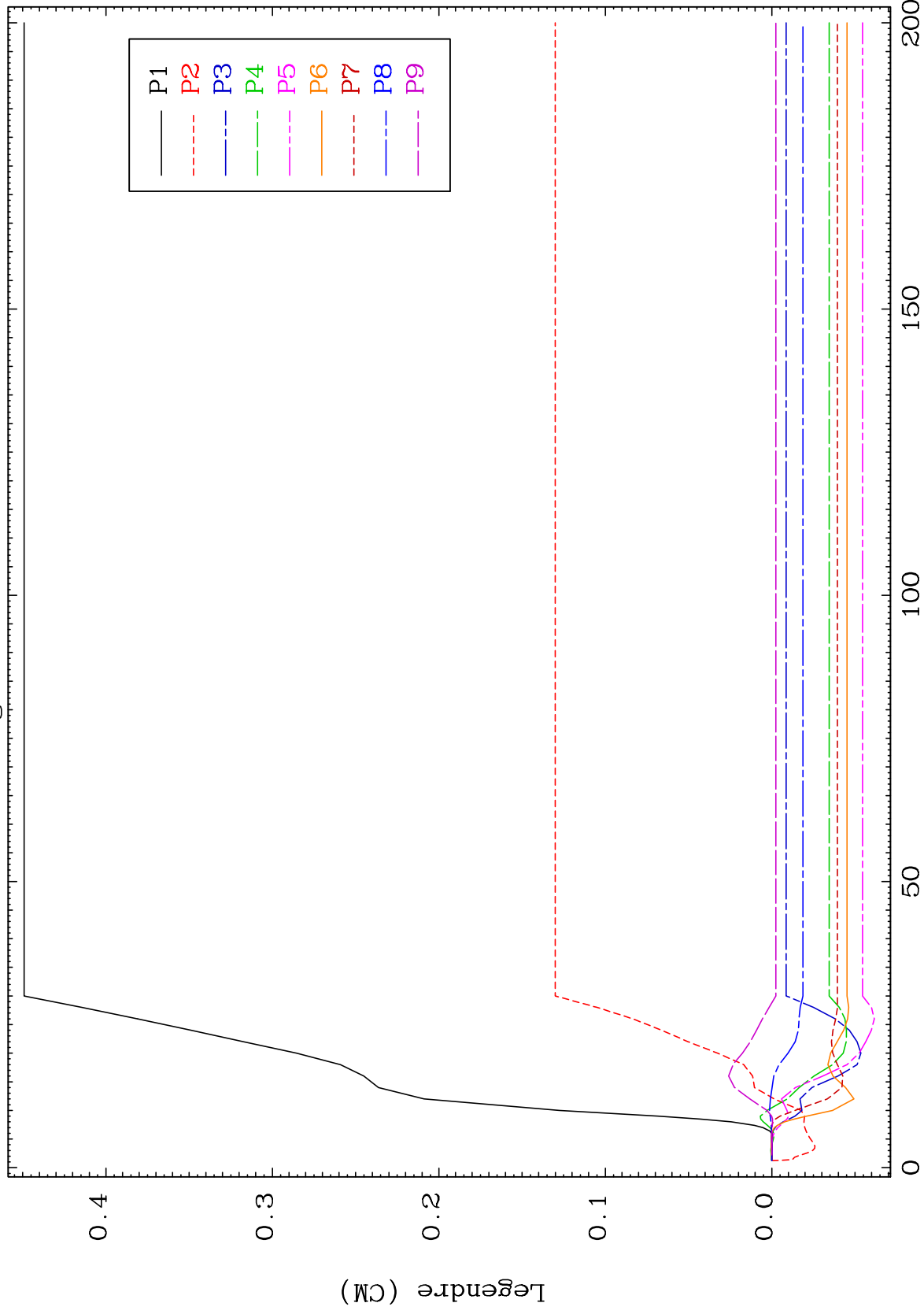
44-Ru-97



MAT 4428

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

44-Ru-97



52

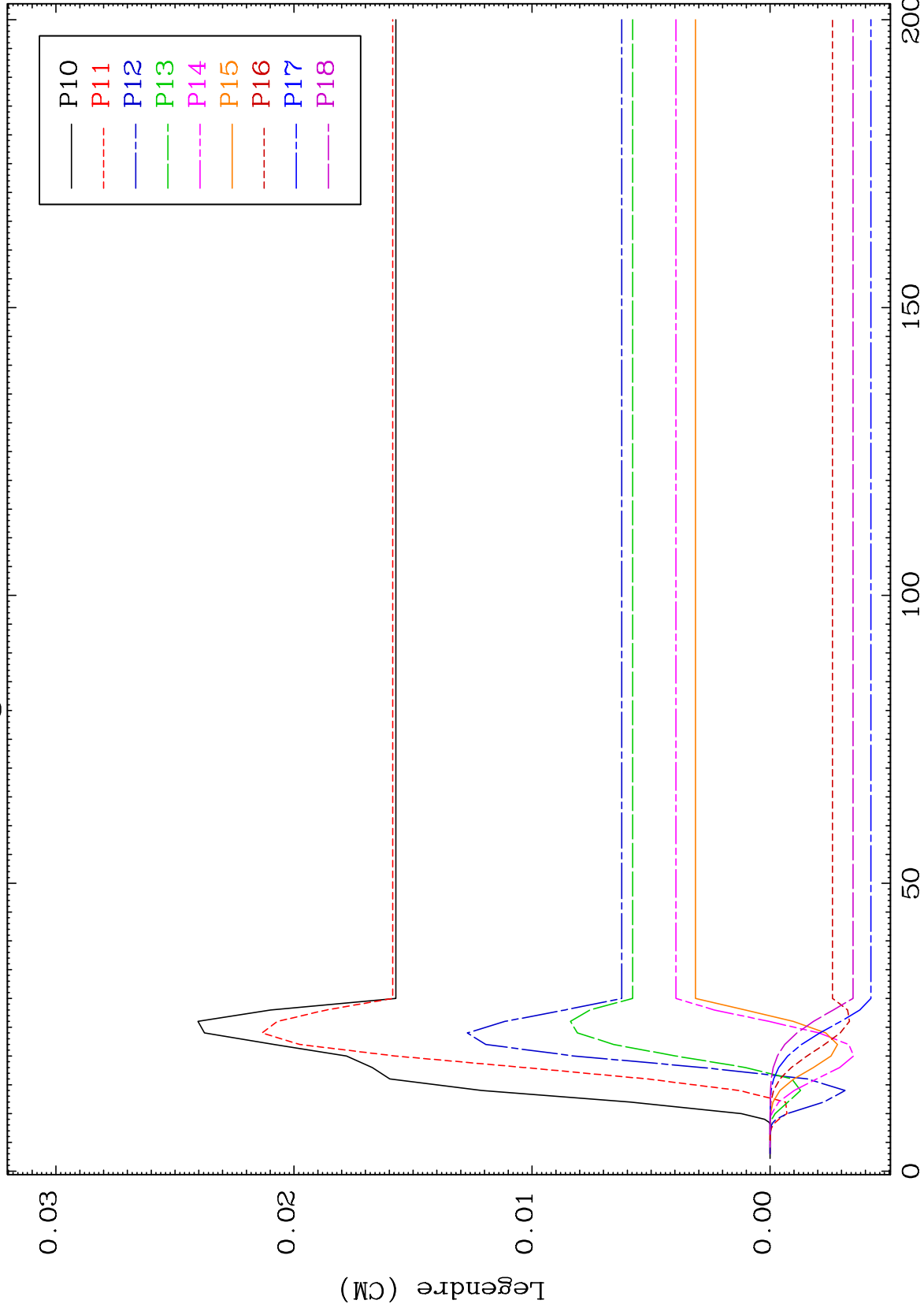
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

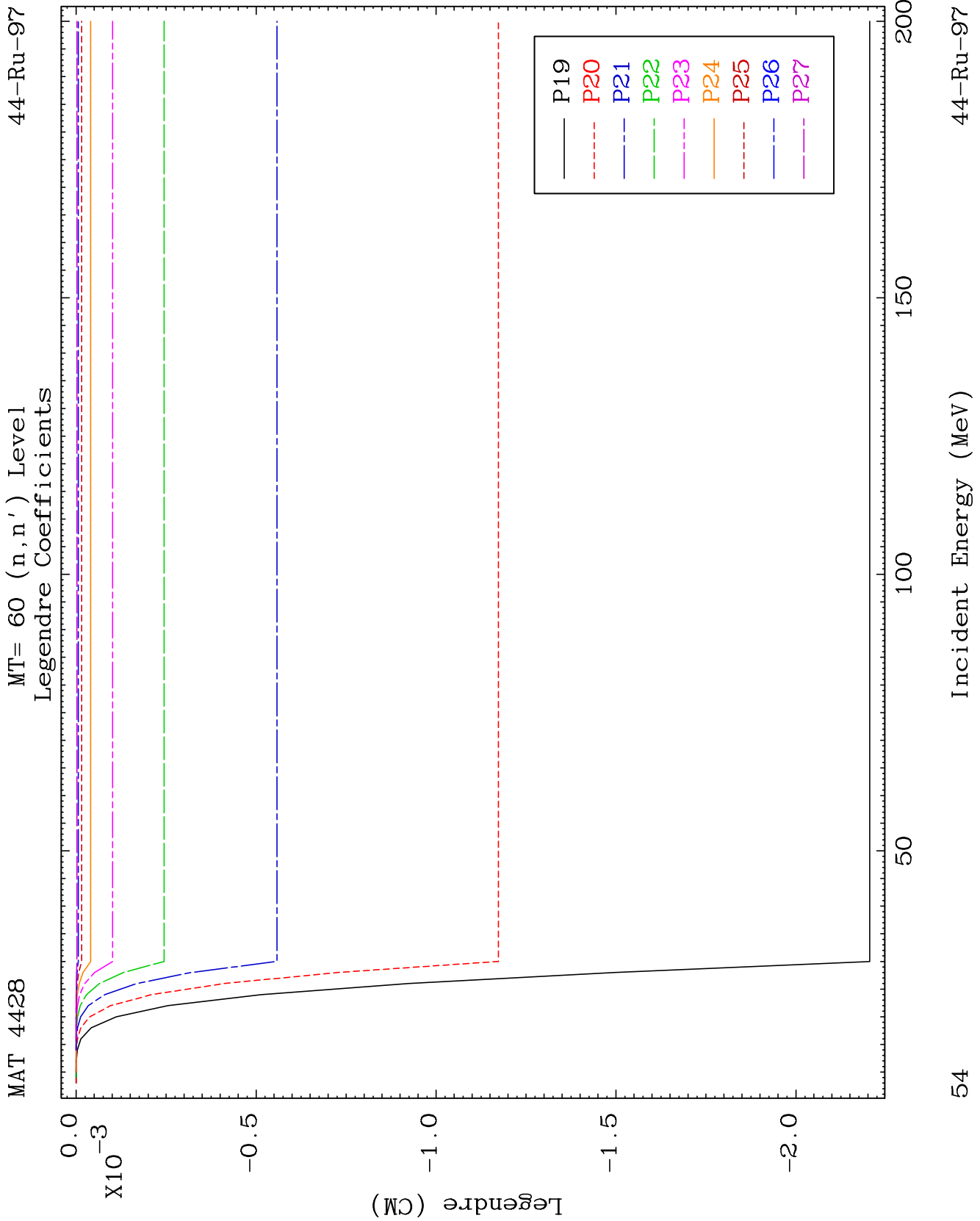
44-Ru-97



53

Incident Energy (MeV)

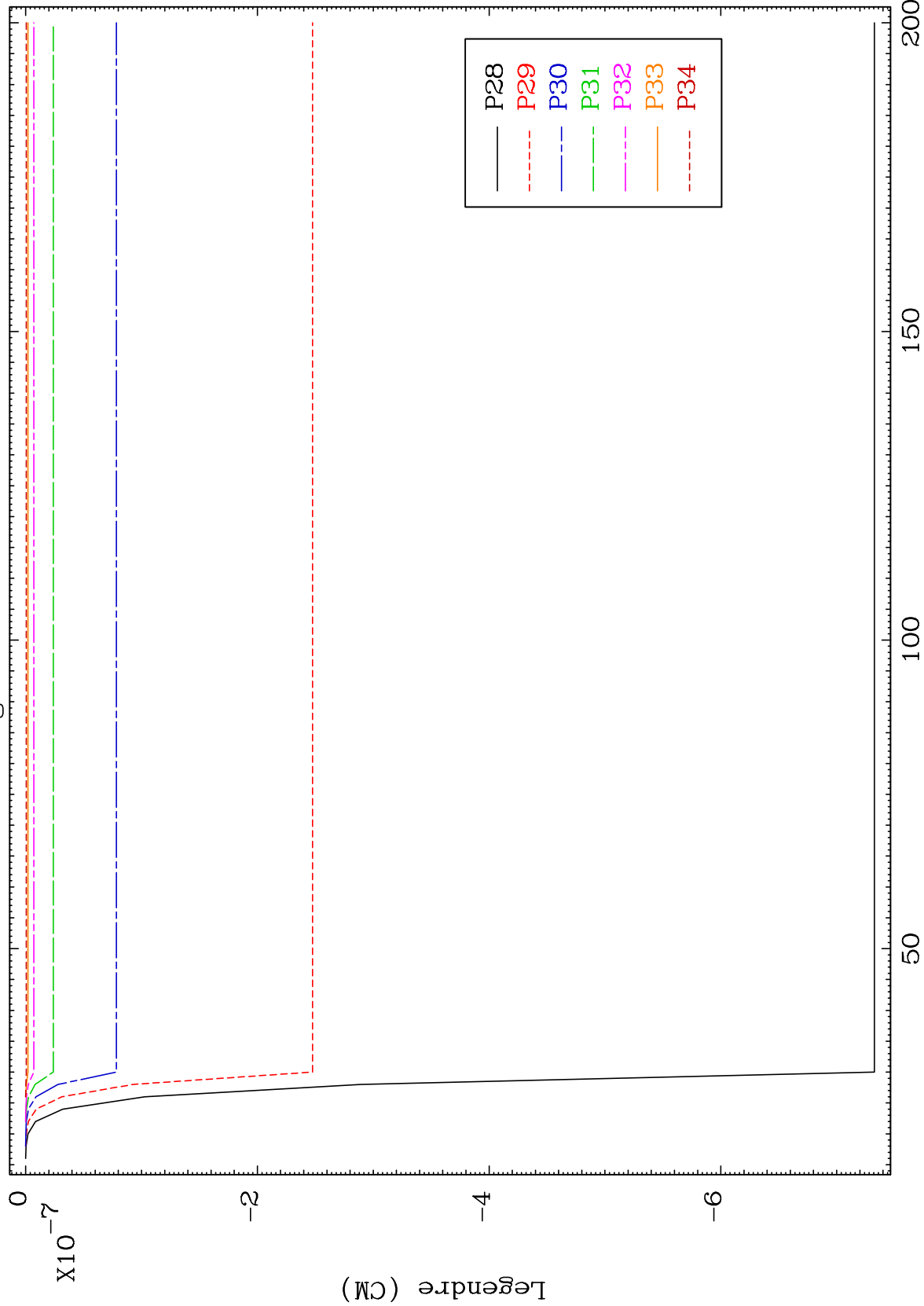
44-Ru-97



MAT 4428

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

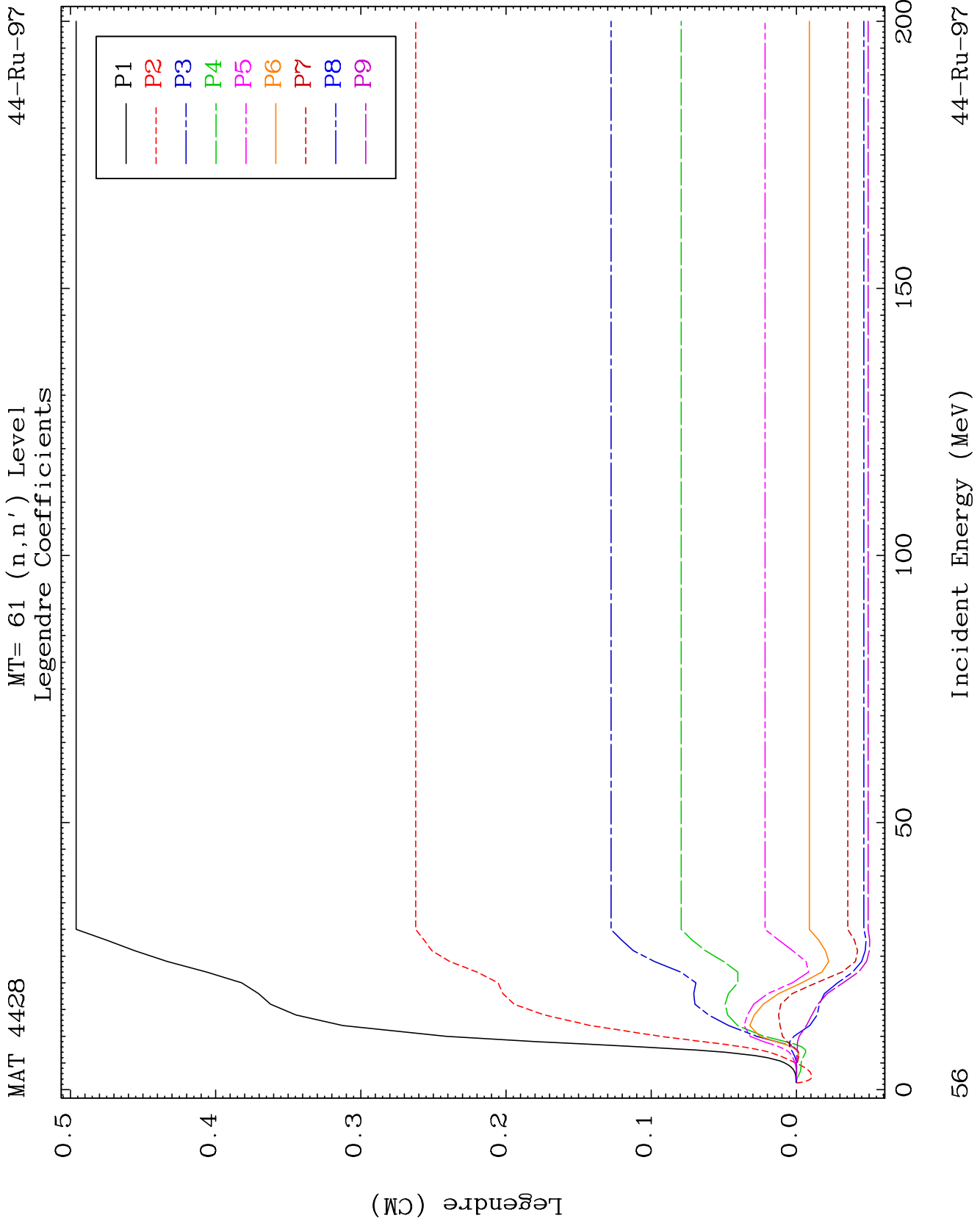
44-Ru-97



55

Incident Energy (MeV)

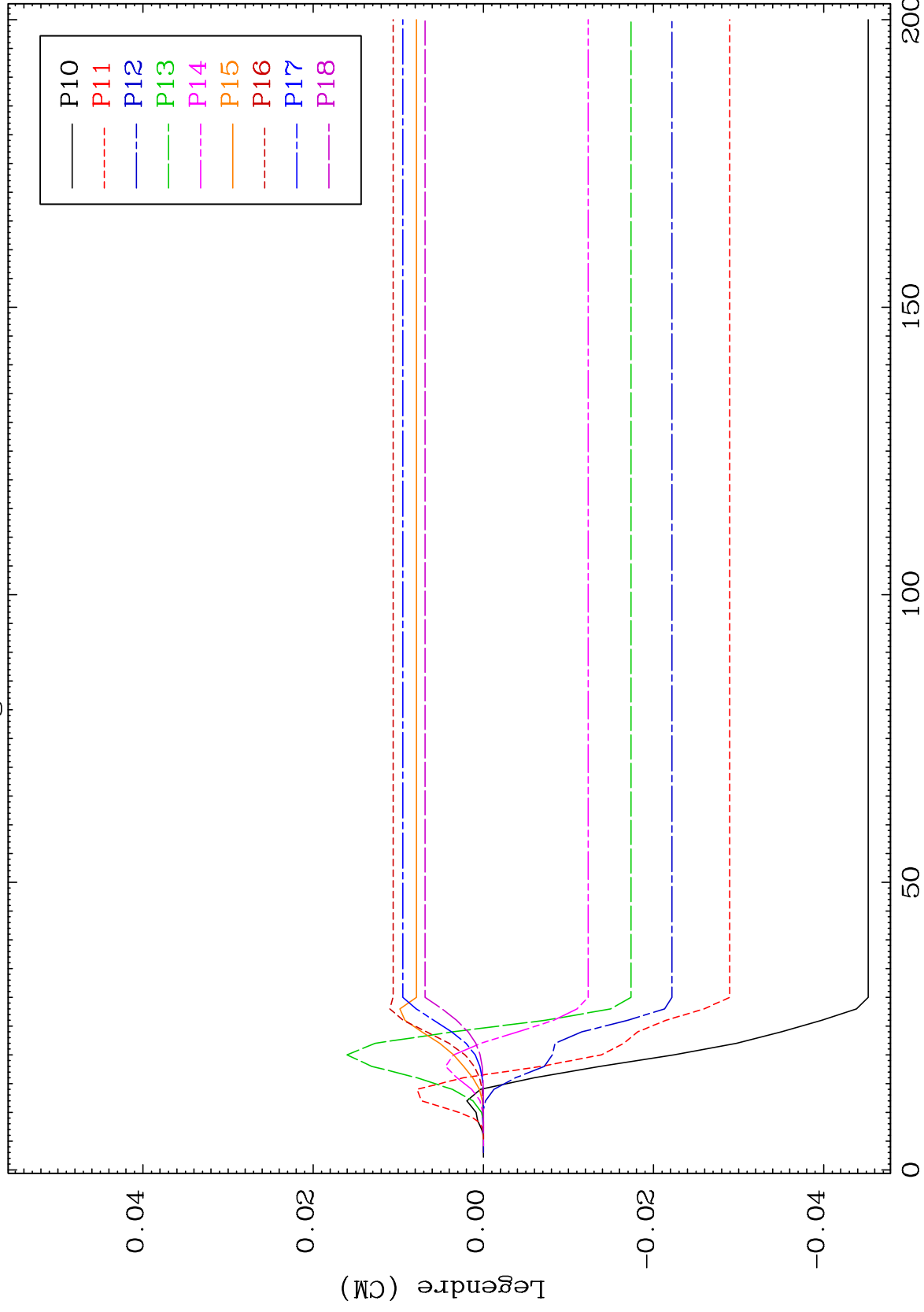
44-Ru-97



MAT 4428

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

44-Ru-97



57

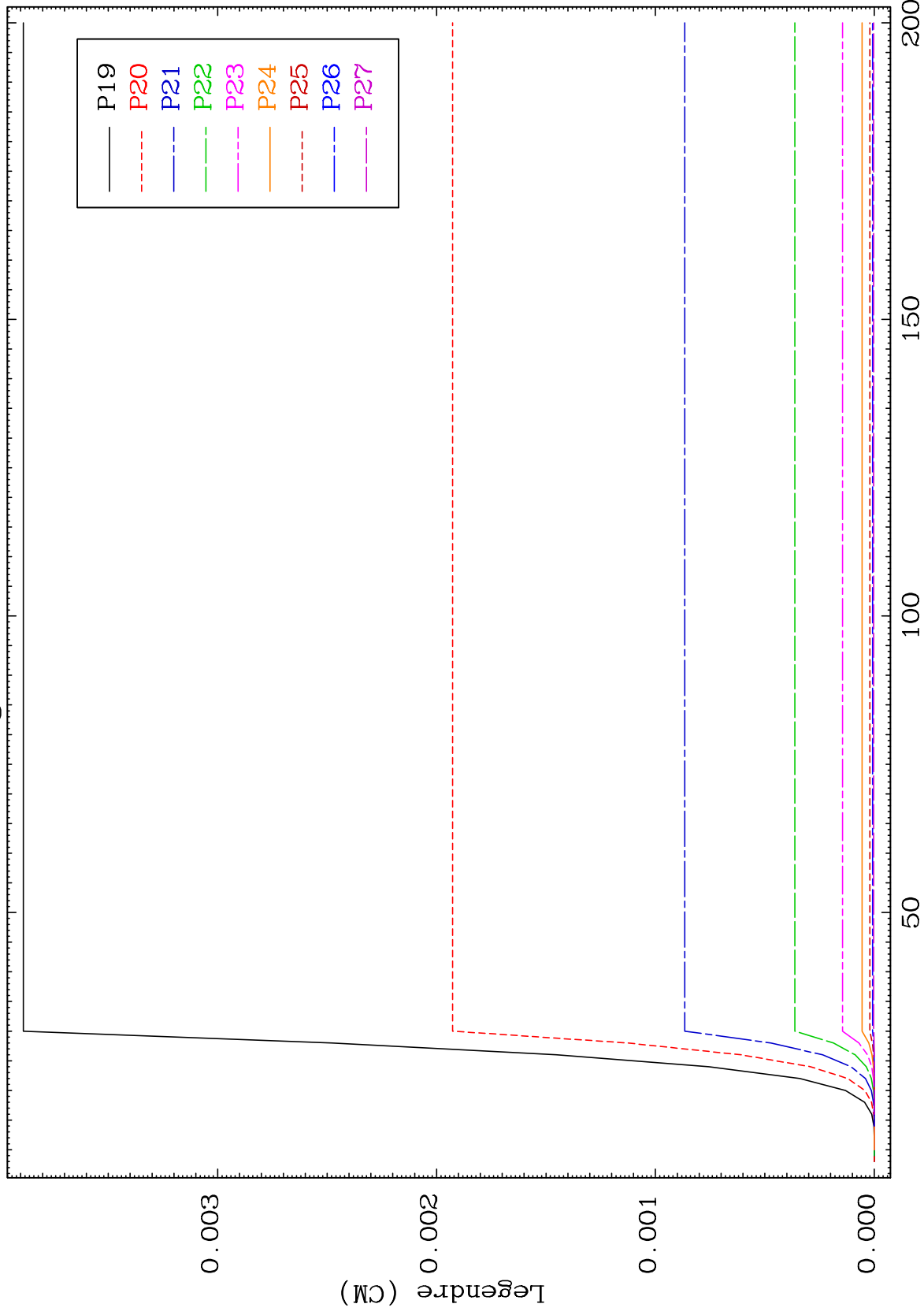
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



58

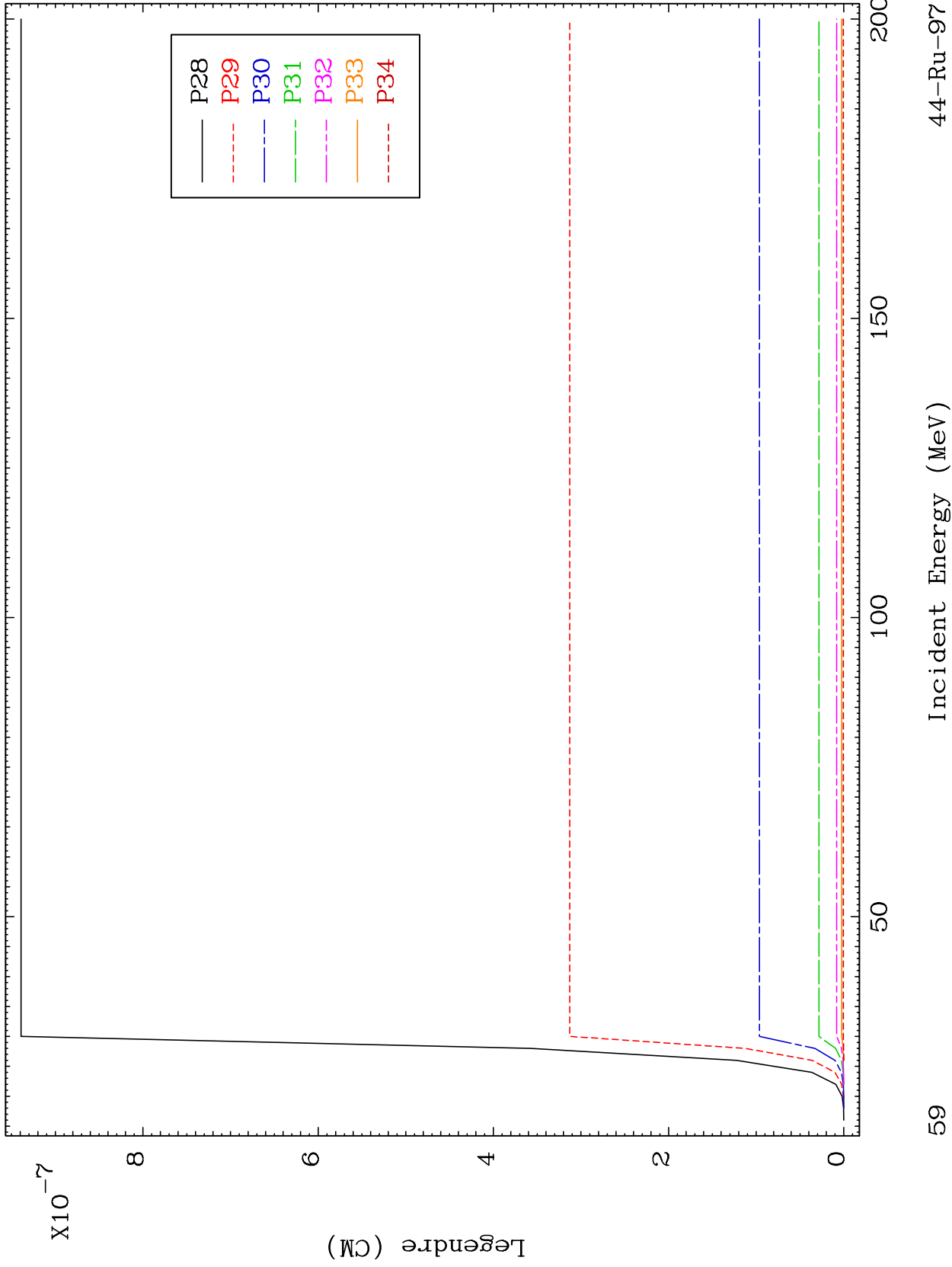
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

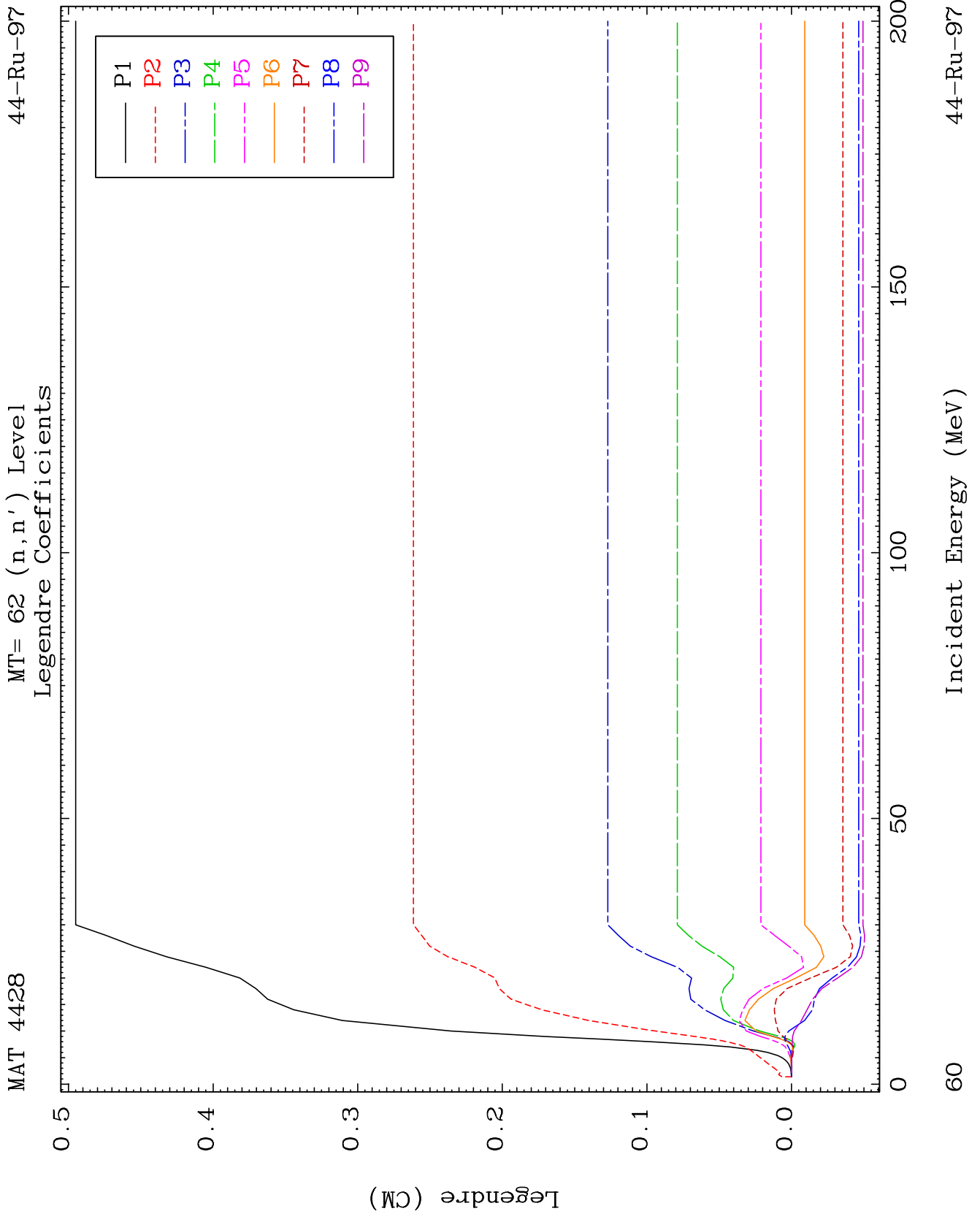
44-Ru-97



59

Incident Energy (MeV)

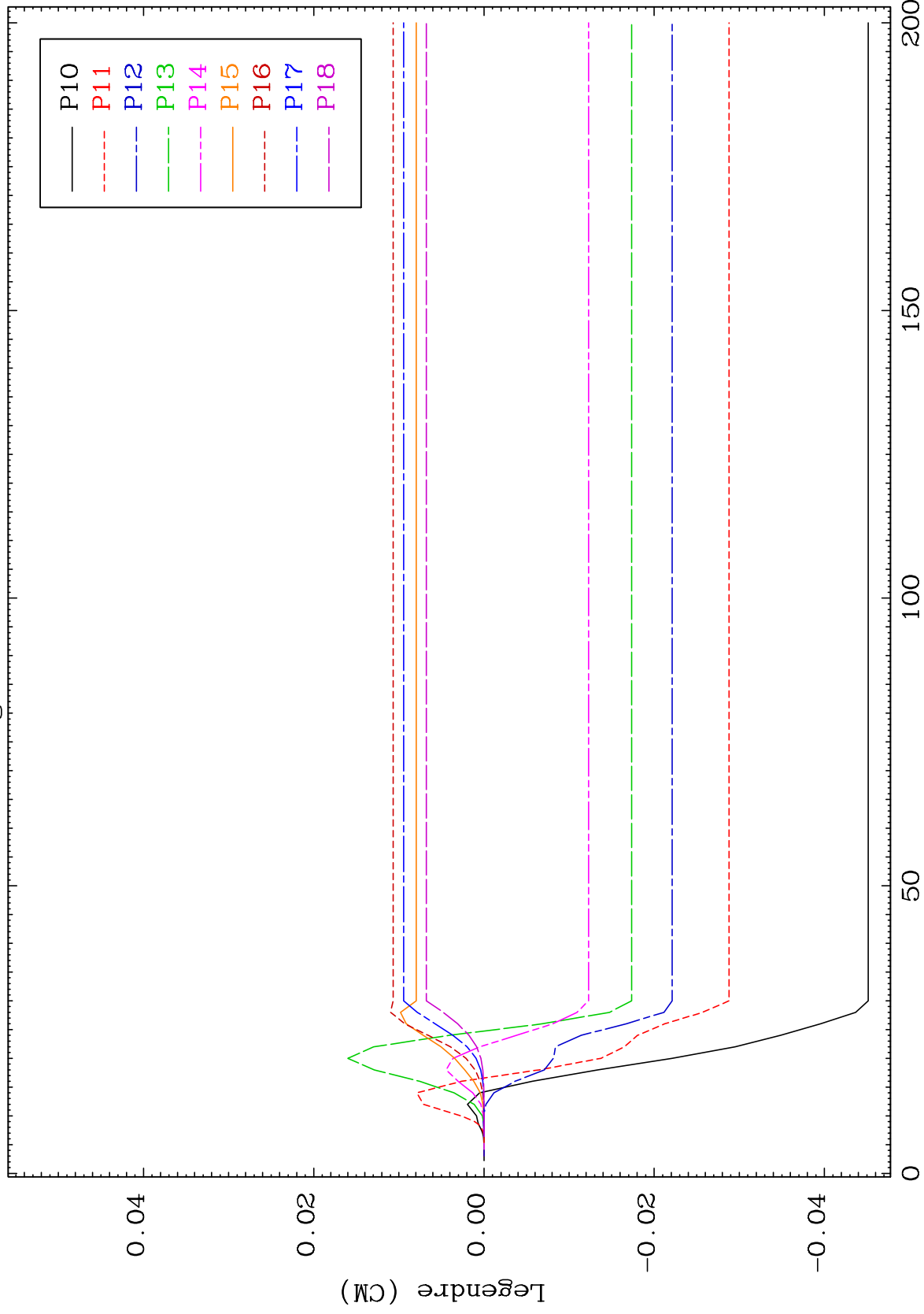
44-Ru-97



MAT 4428

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

44-Ru-97



61

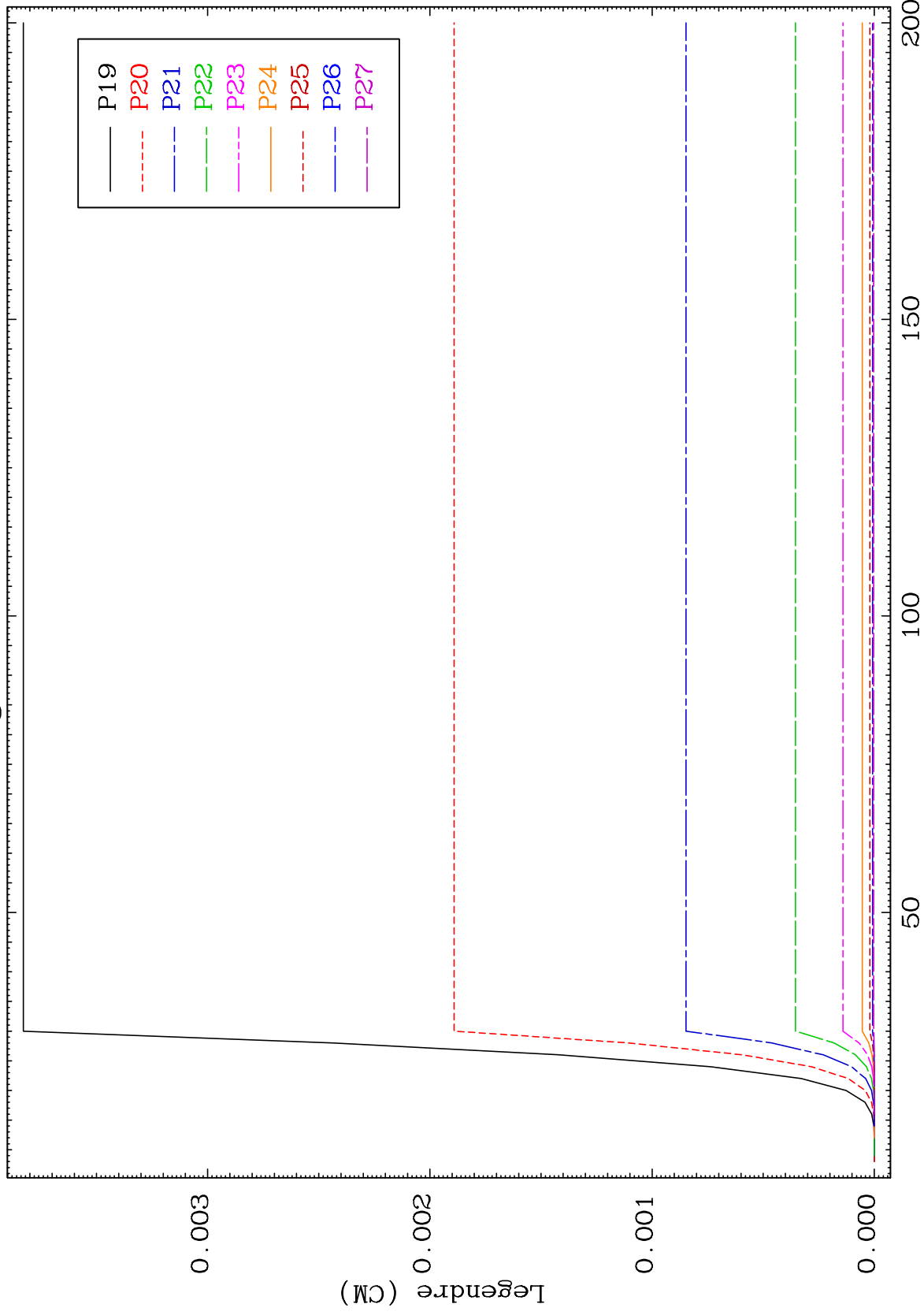
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



62

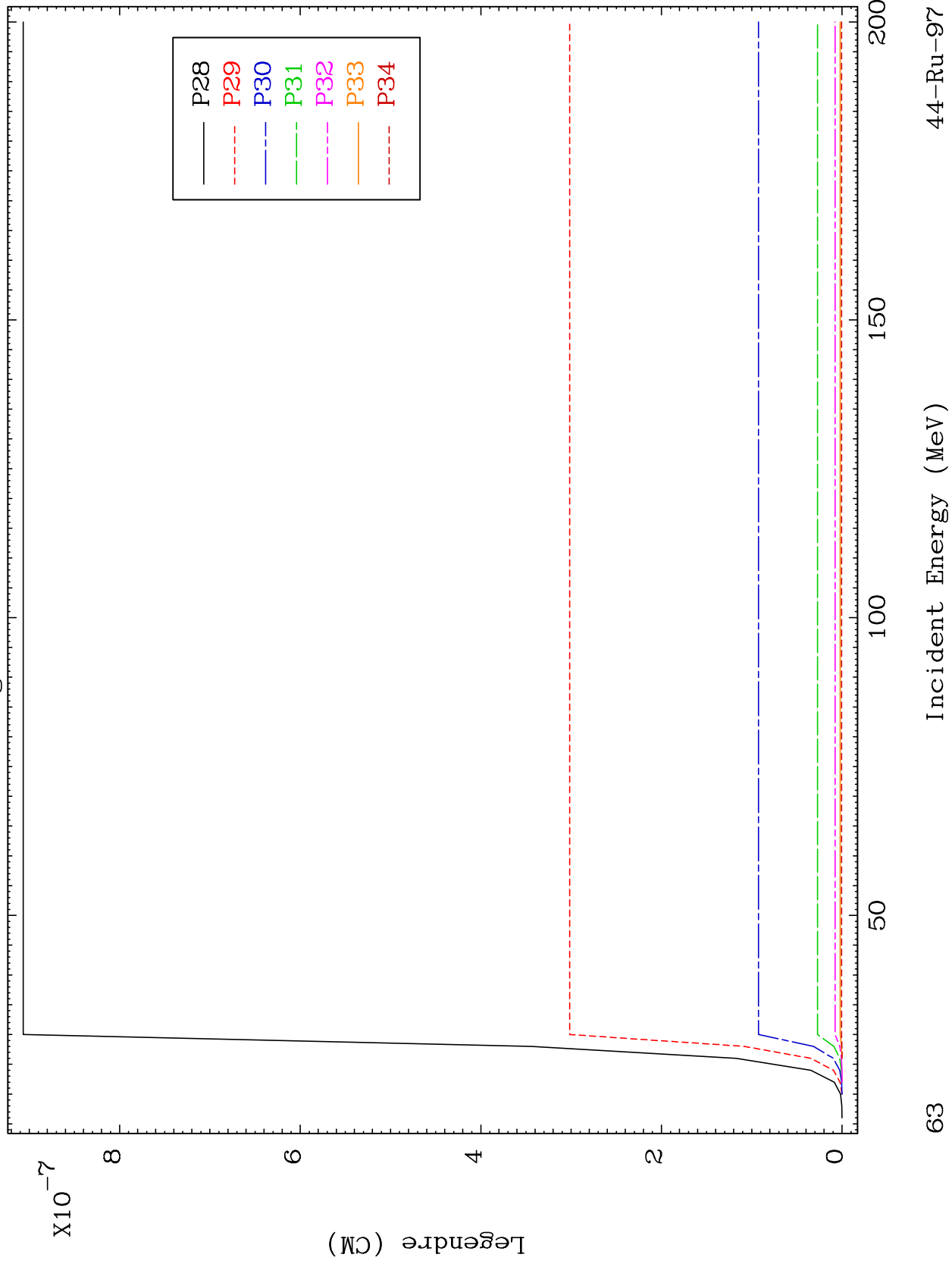
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97

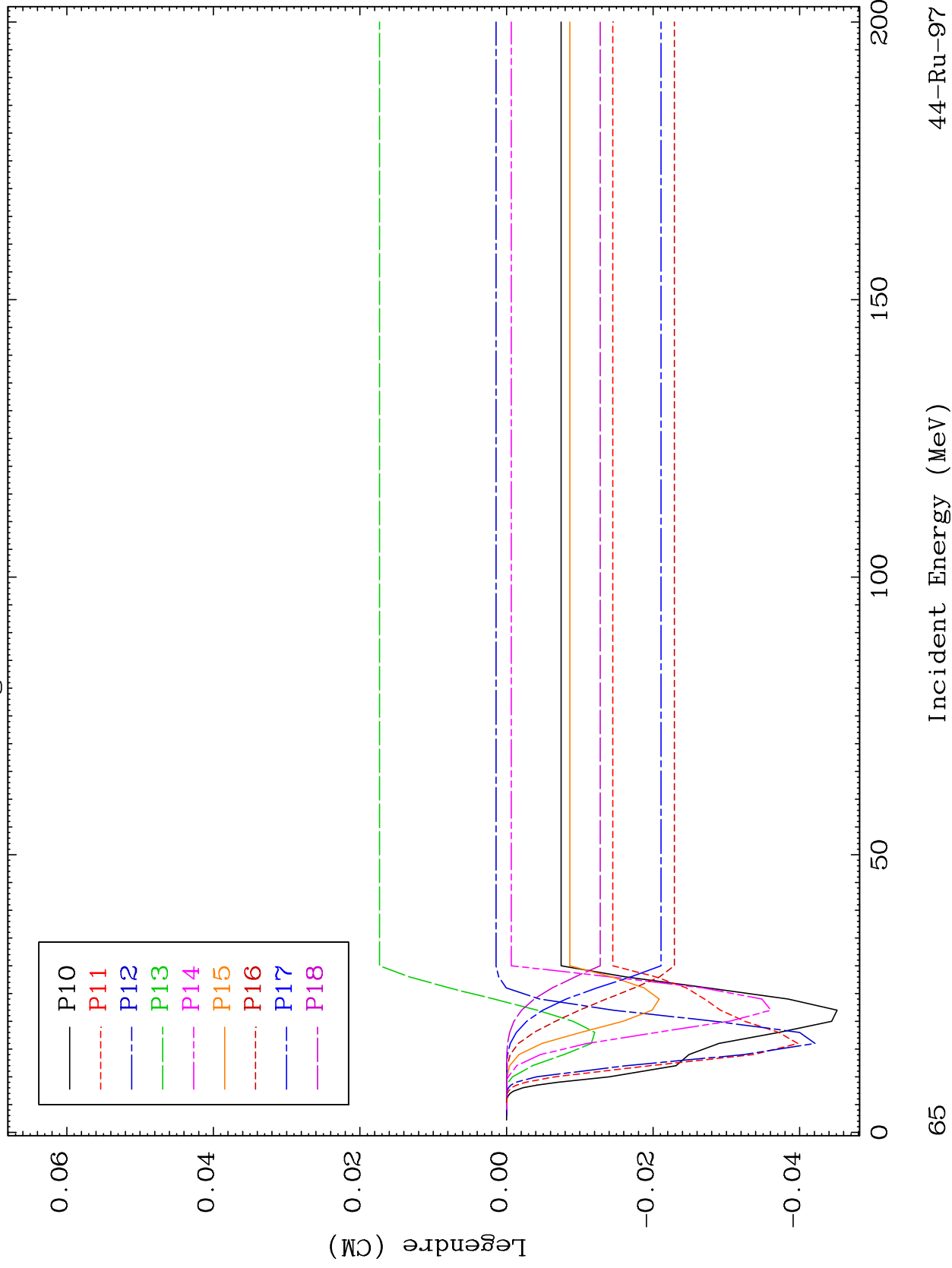




MAT 4428

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

44-Ru-97

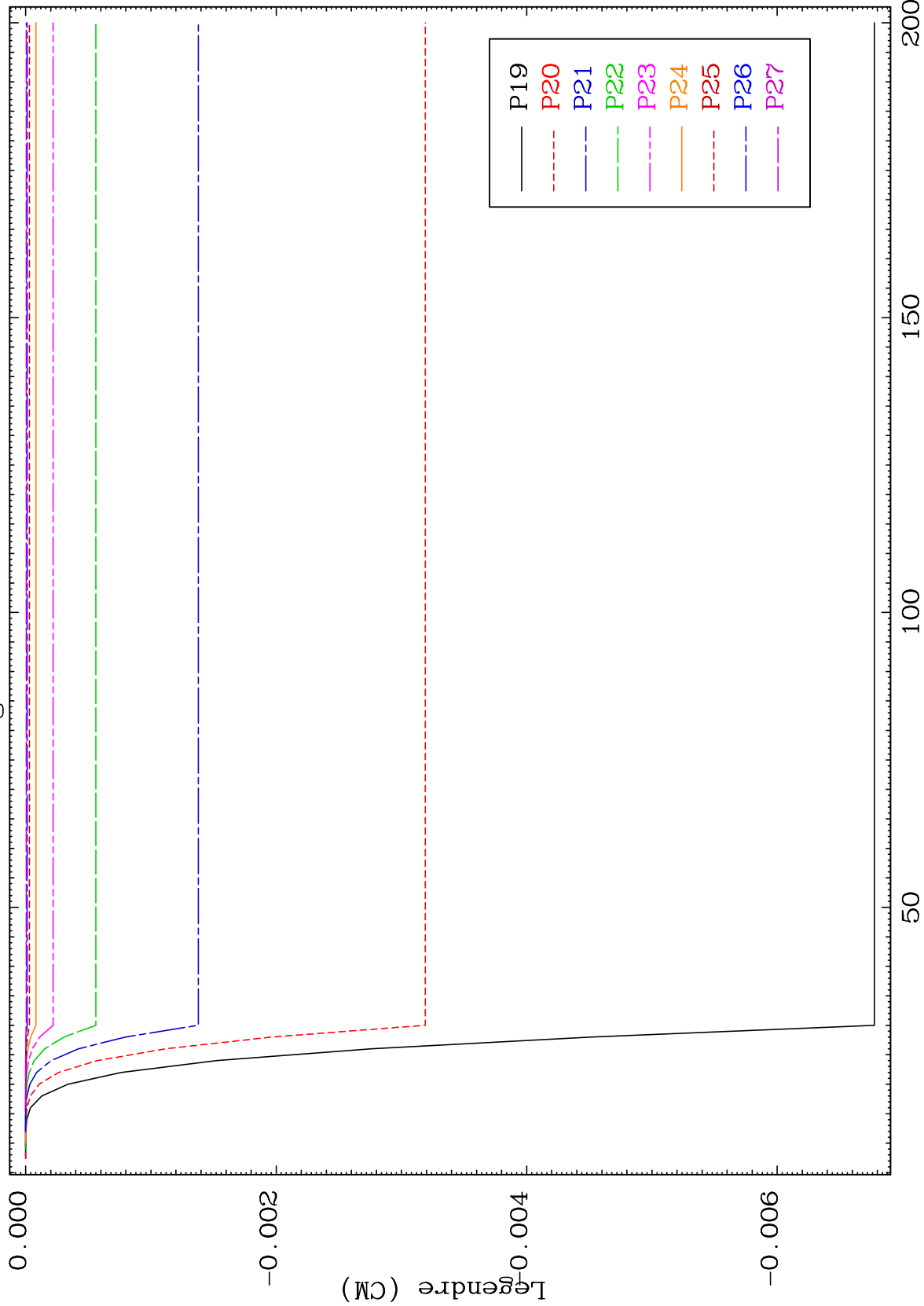


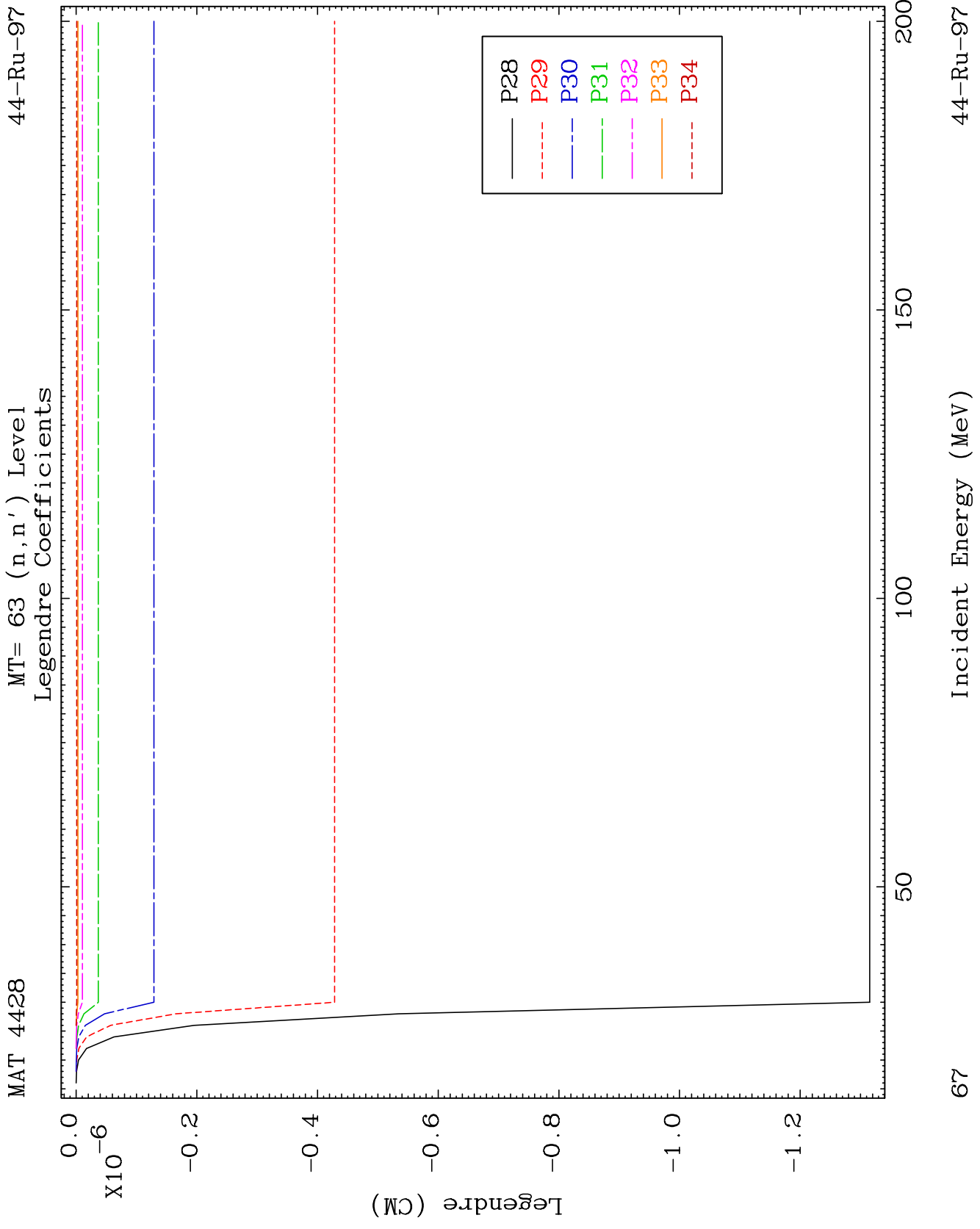
65

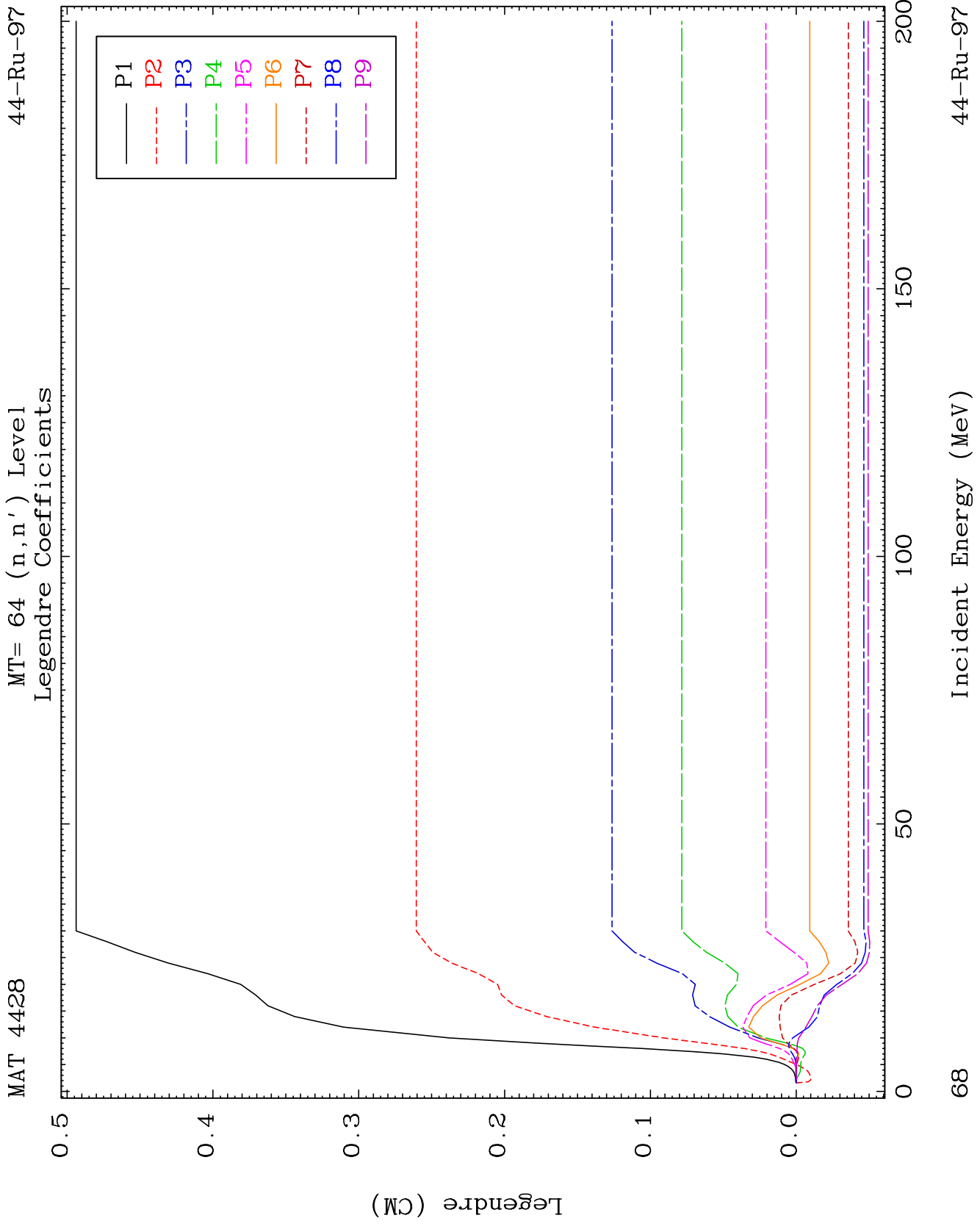
Incident Energy (MeV)

44-Ru-97

Legendre Coefficients



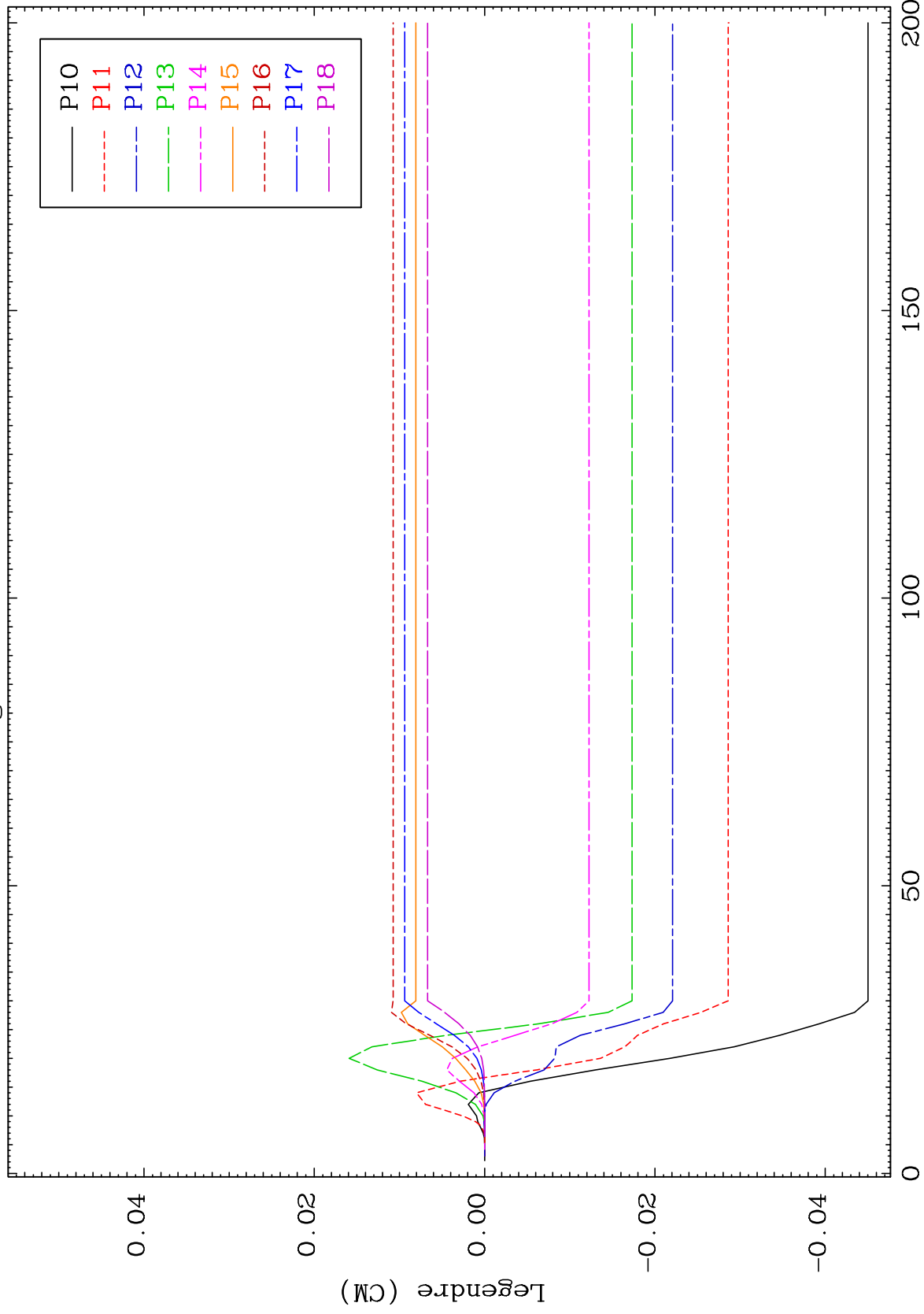




MAT 4428

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

44-Ru-97



69

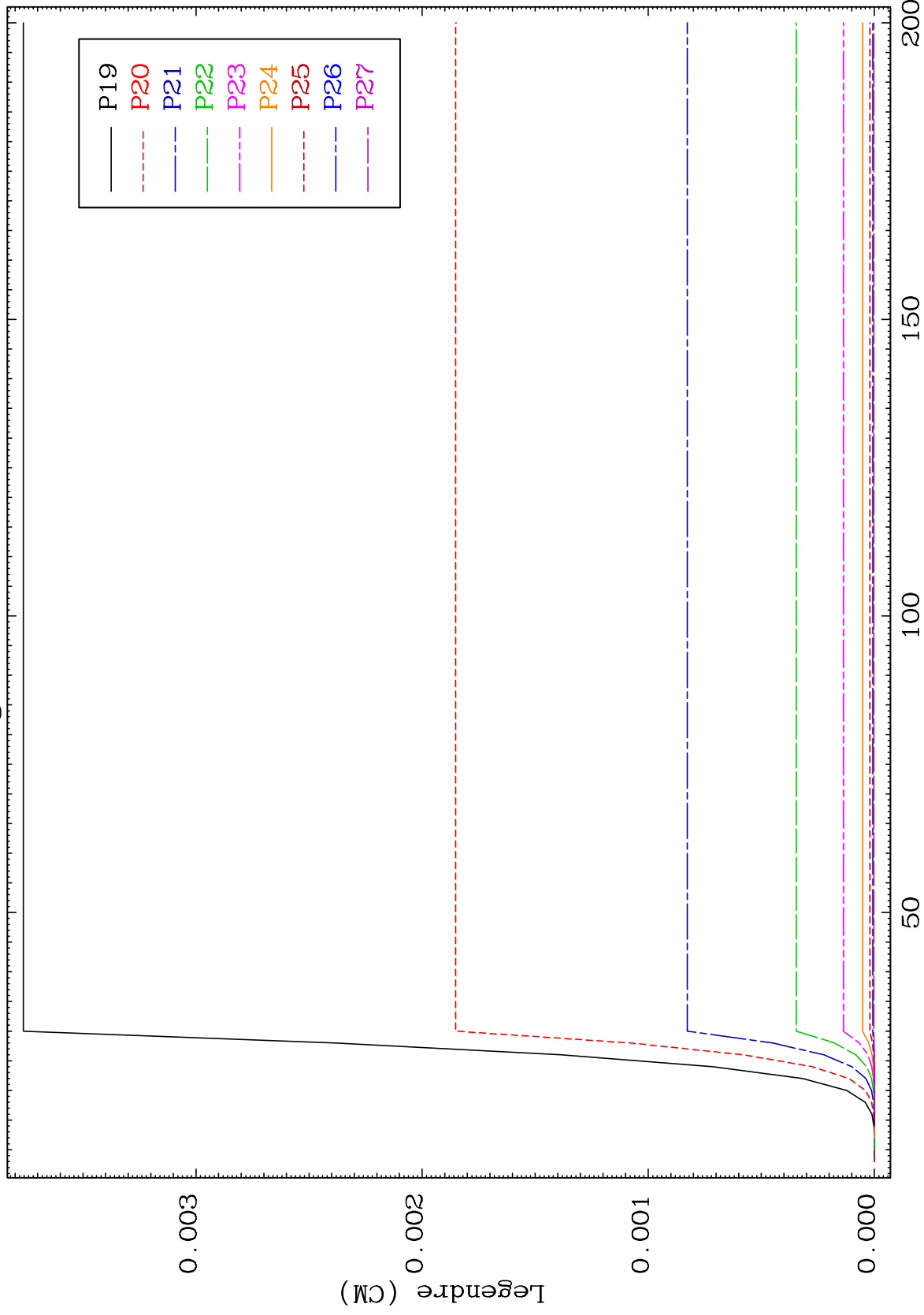
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



70

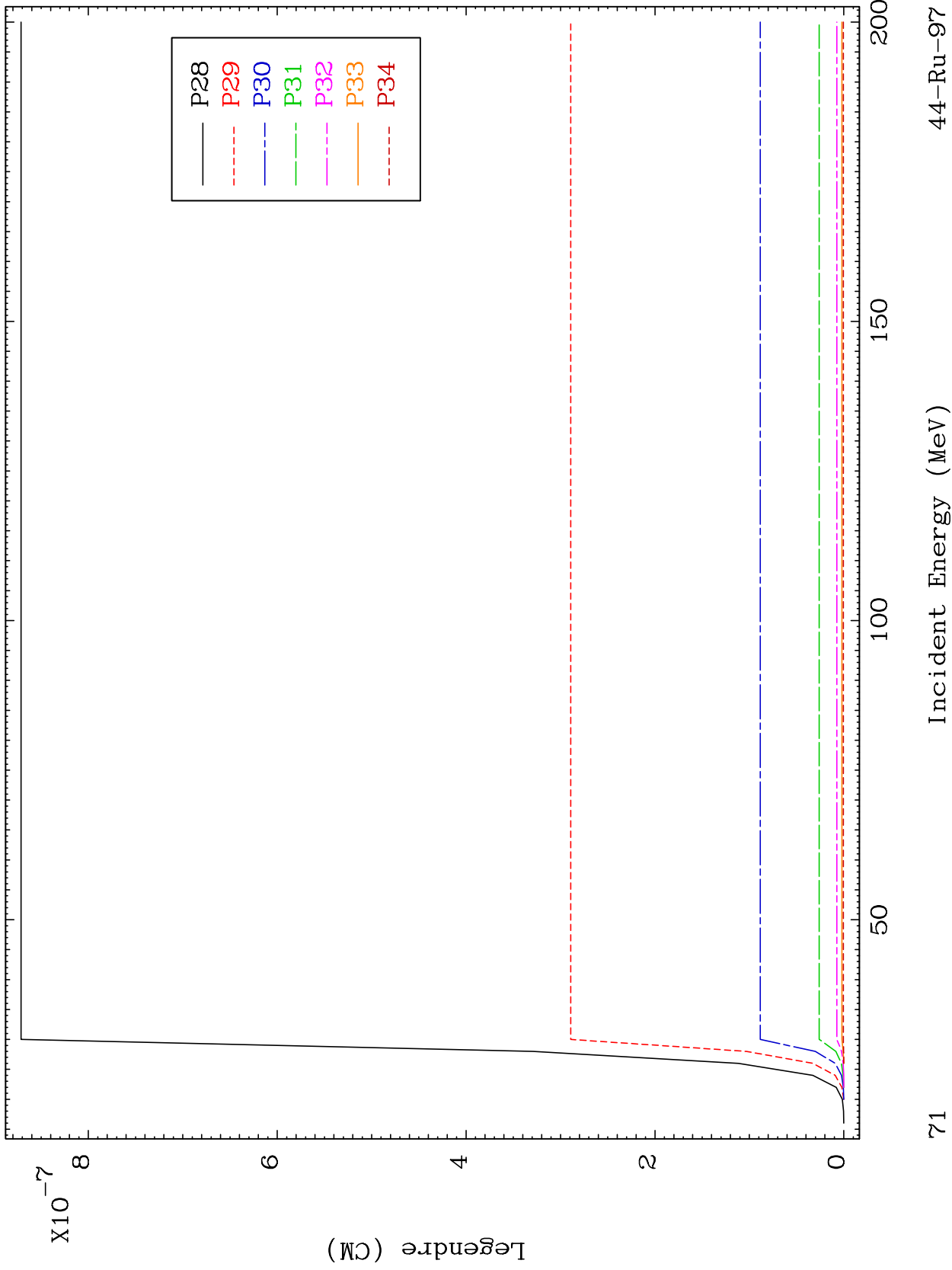
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

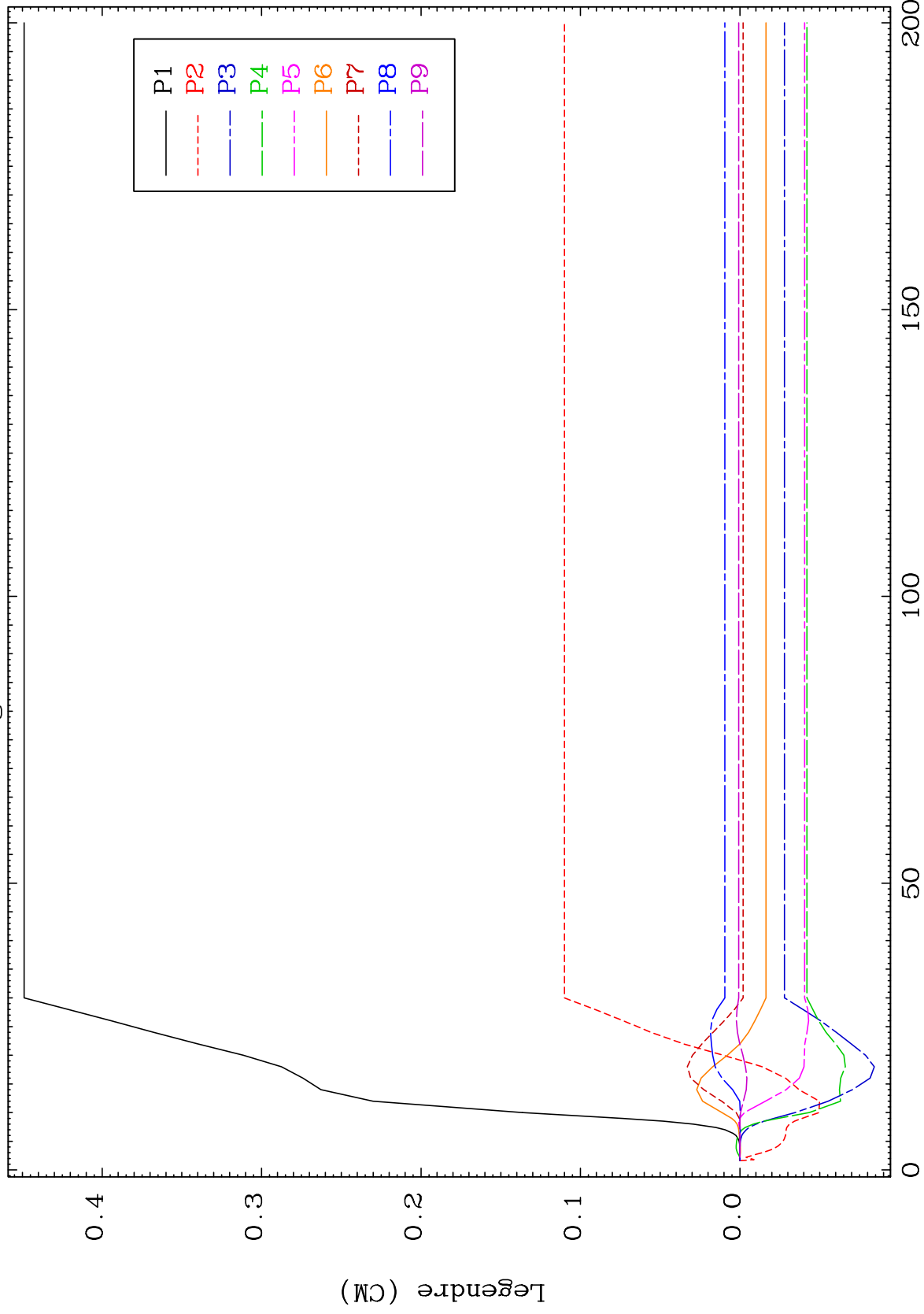
44-Ru-97



MAT 4428

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

44-Ru-97



72

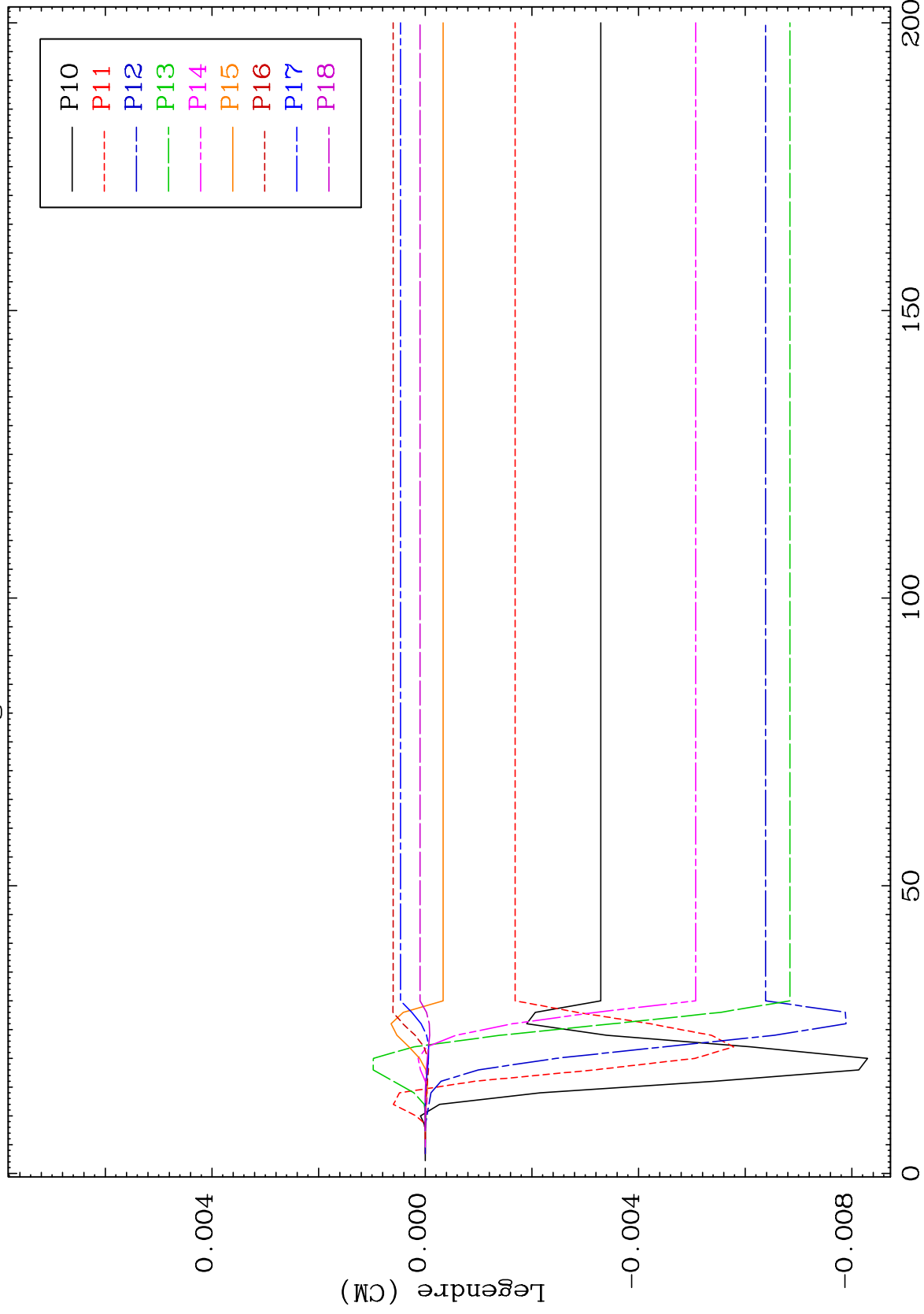
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



73

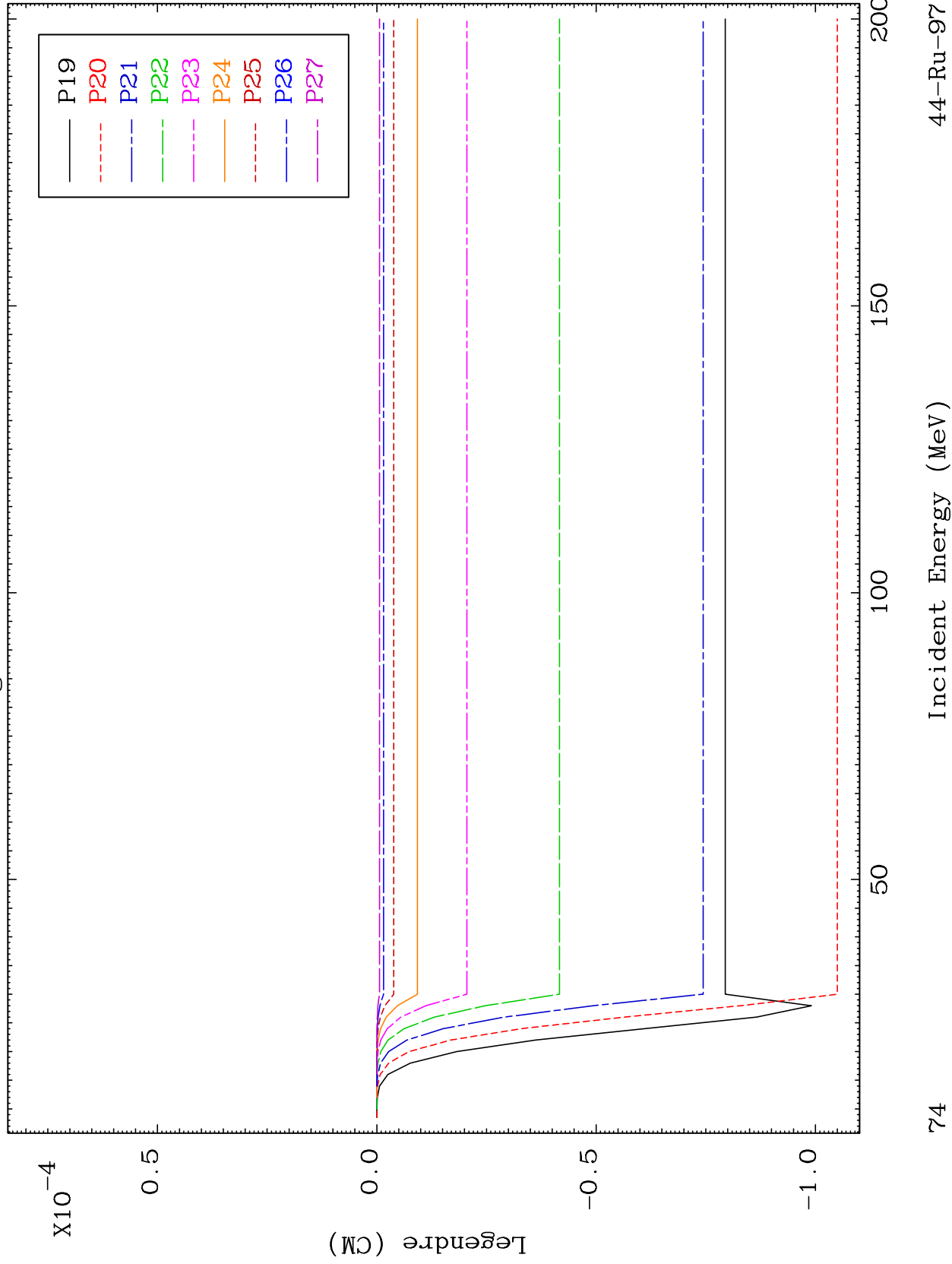
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97

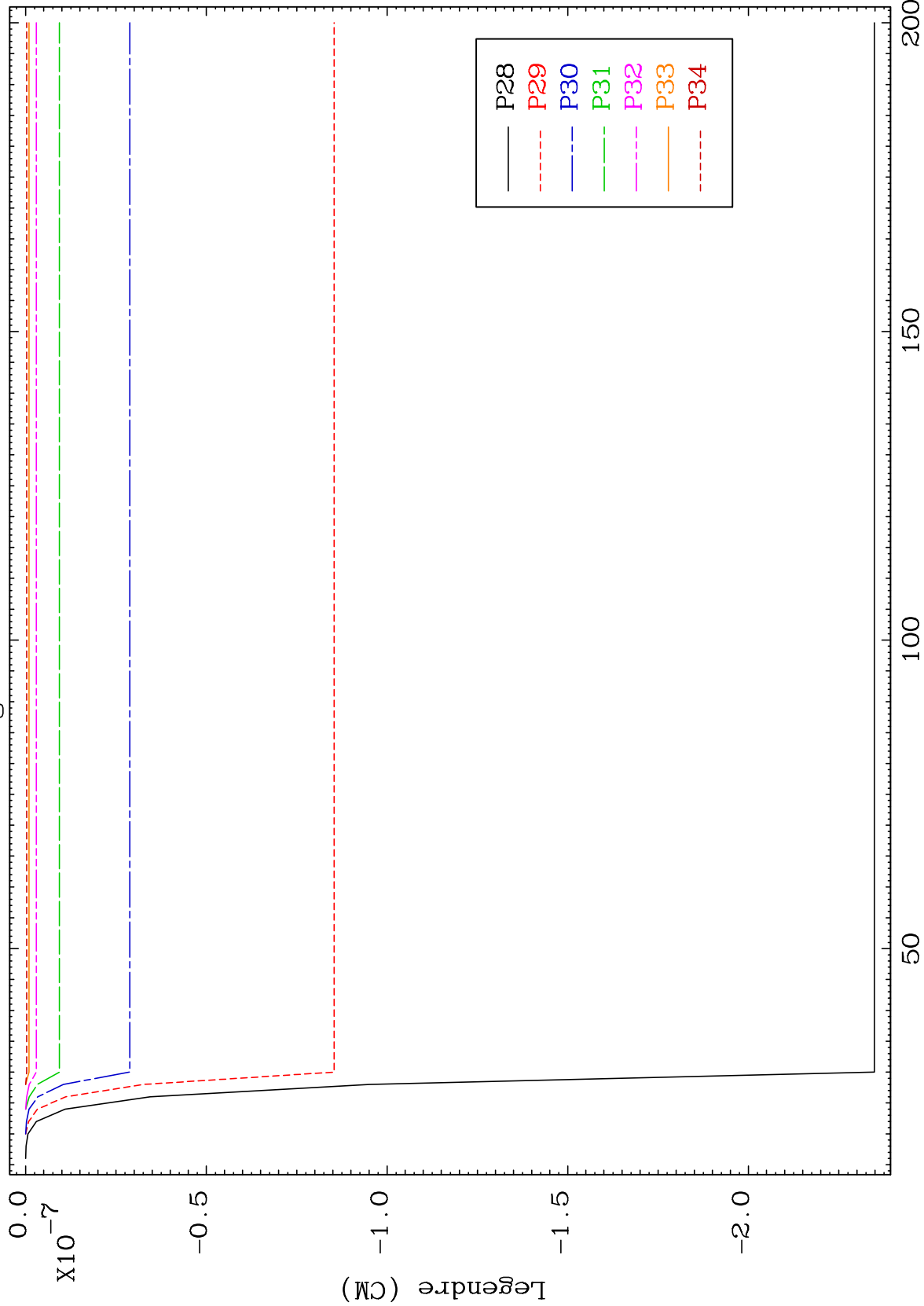


MAT 4428

MT= 65 (n,n') Level

44-Ru-97

Legendre Coefficients



75

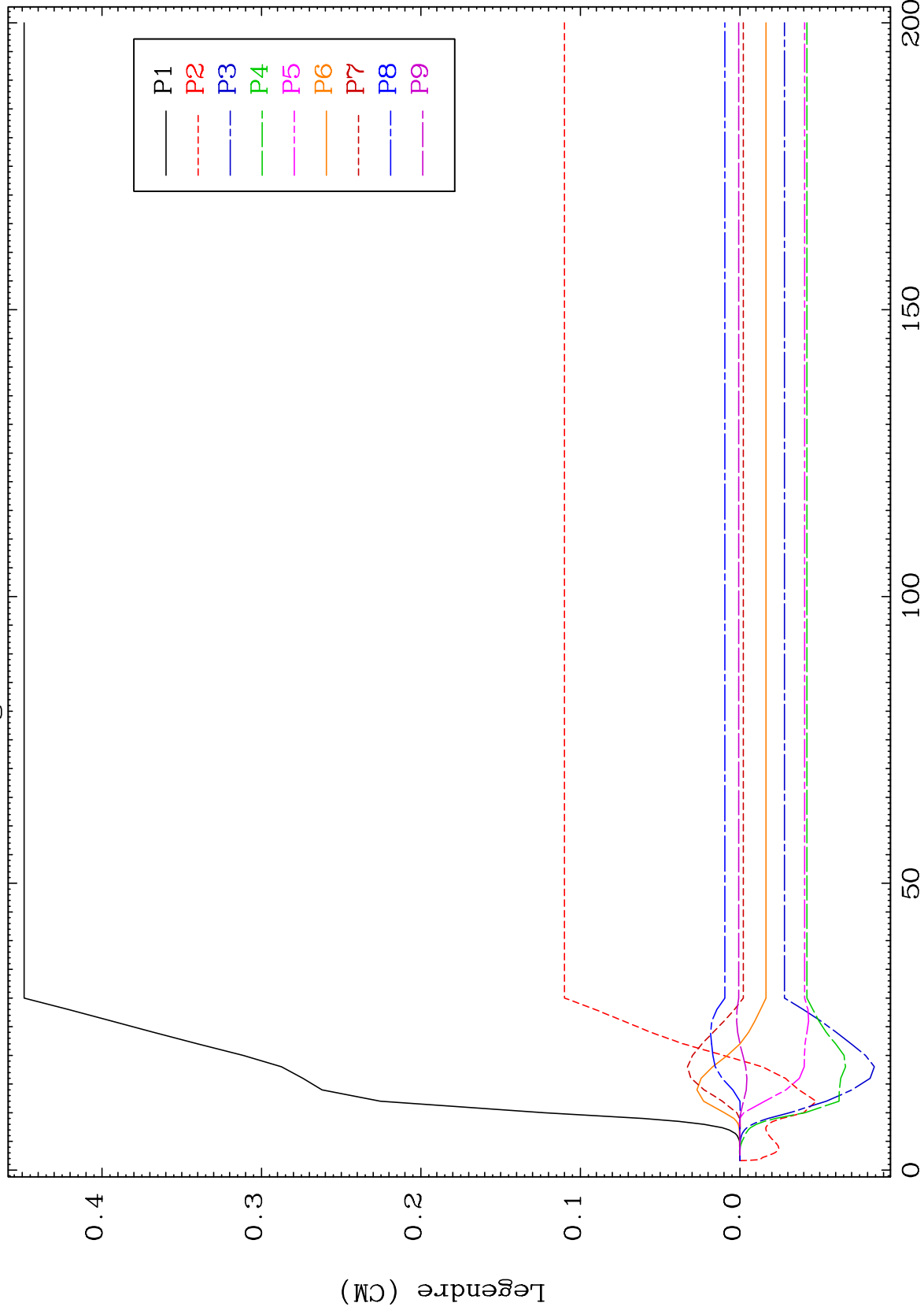
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



76

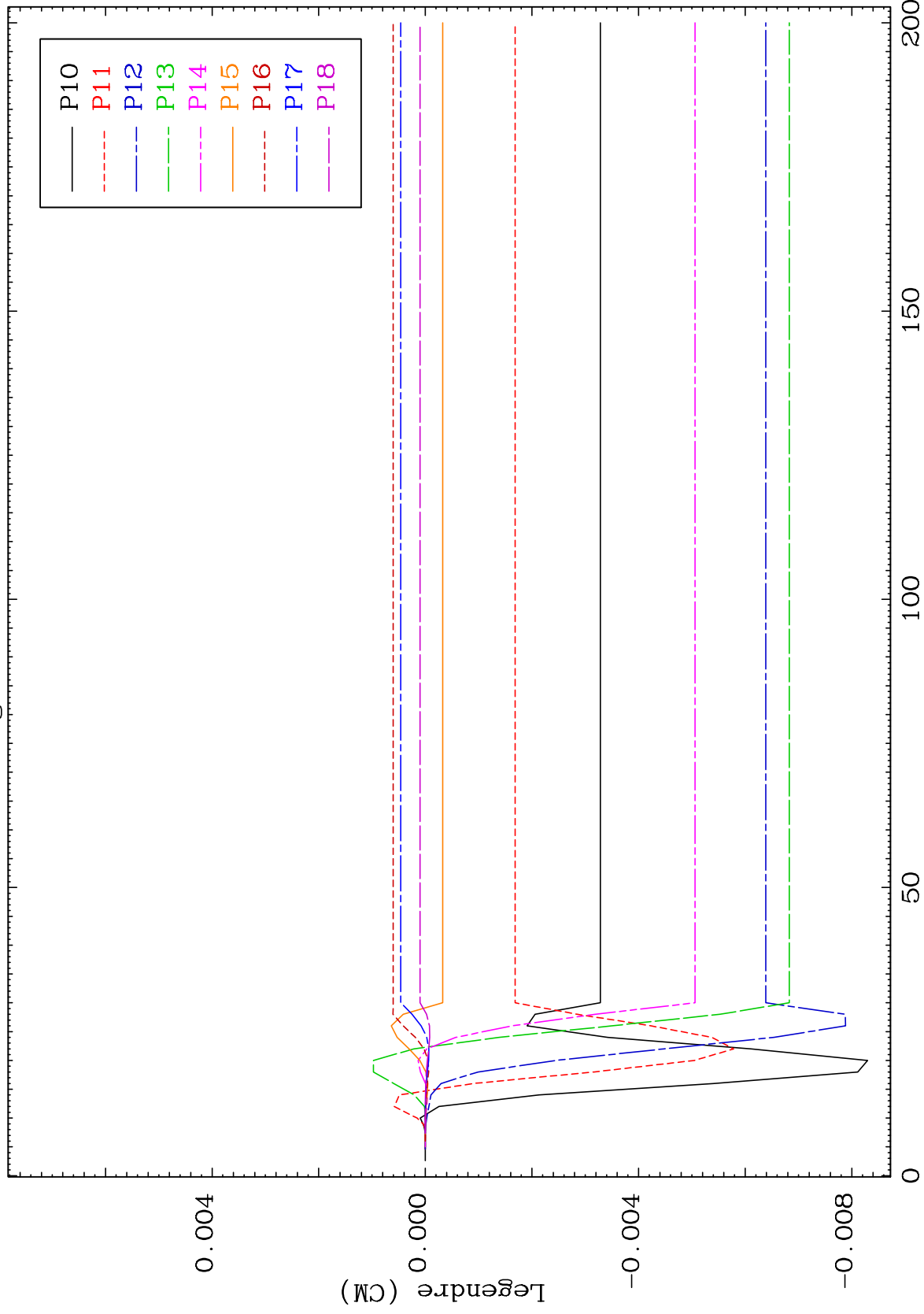
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



77

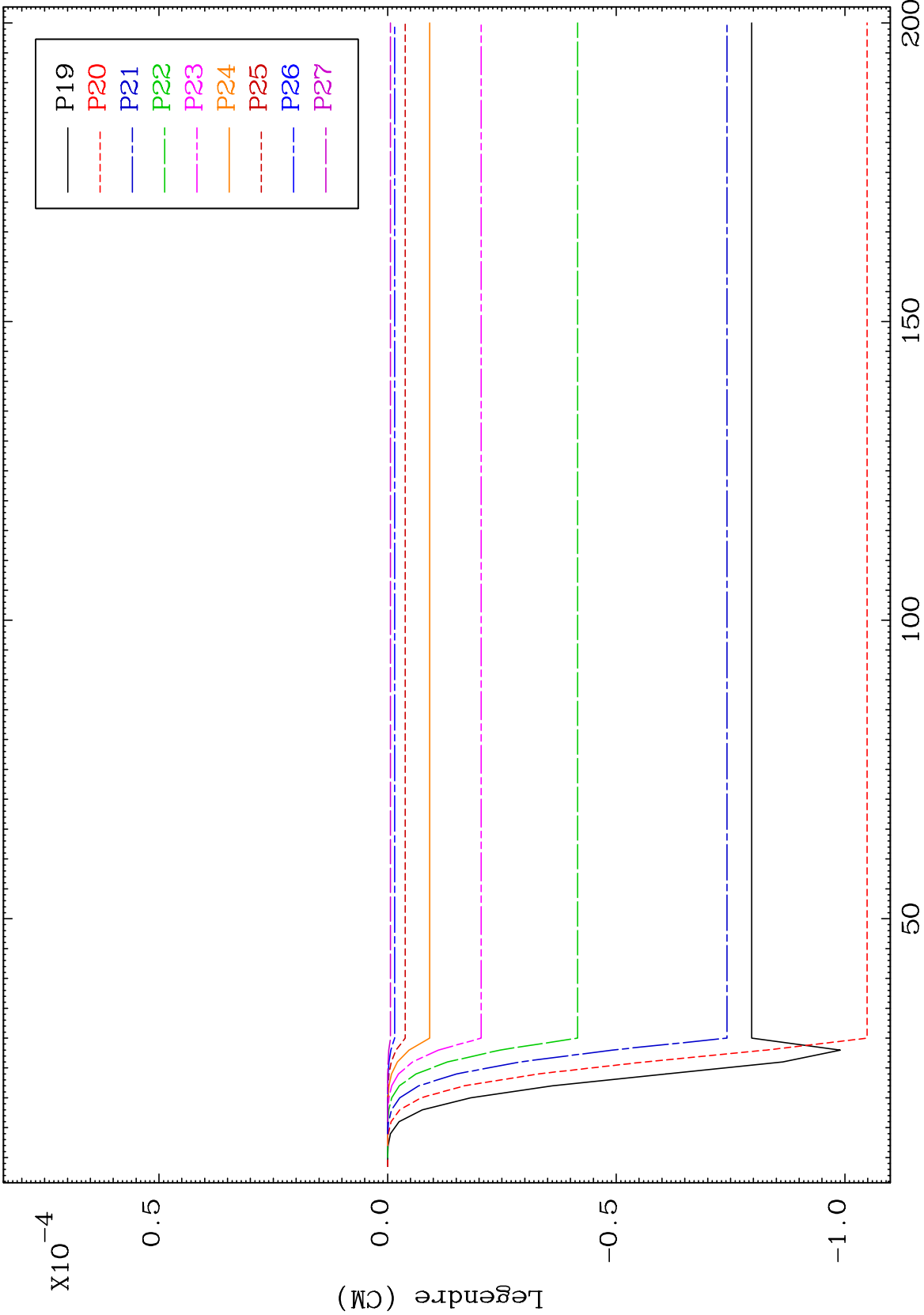
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



78

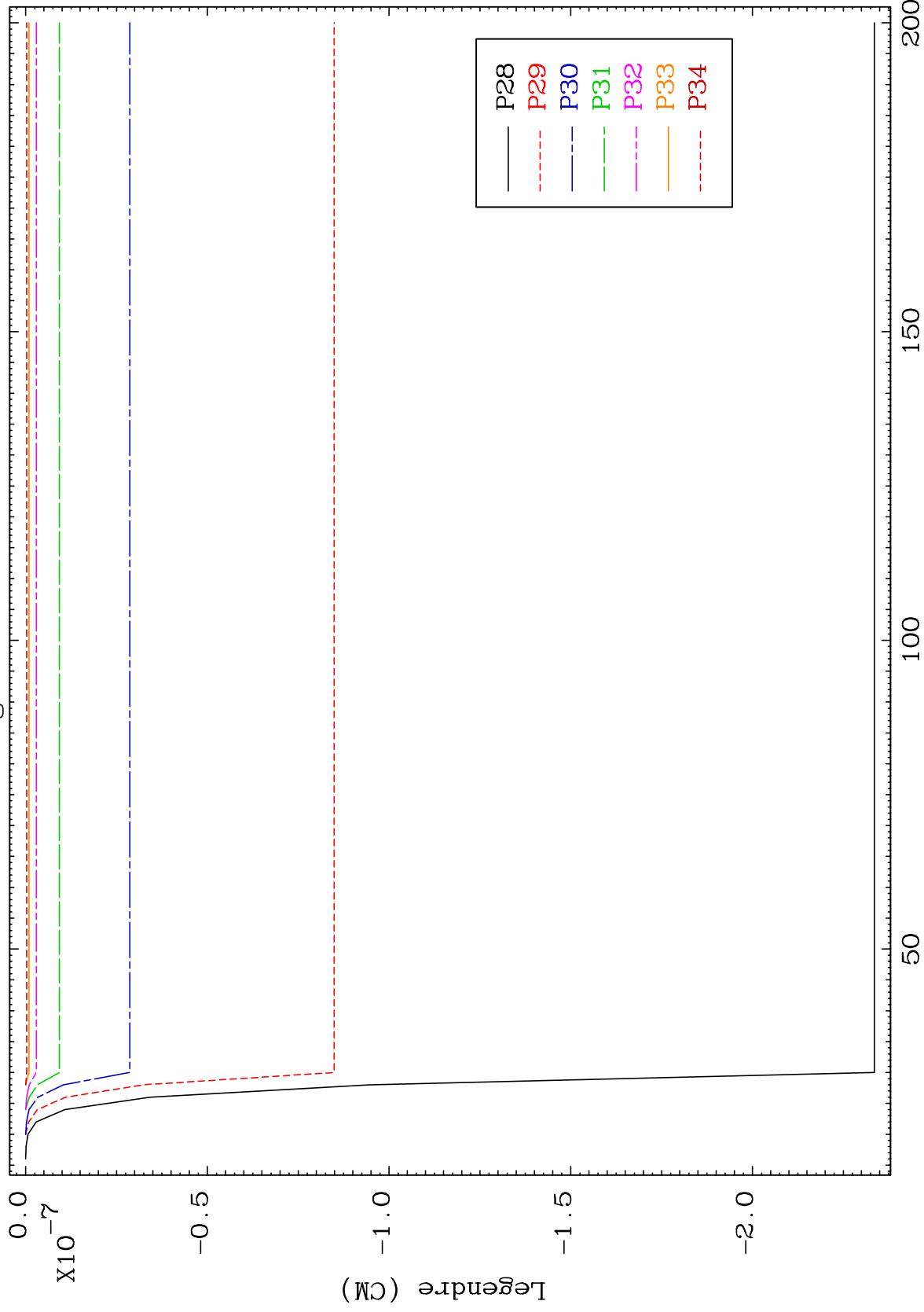
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



79

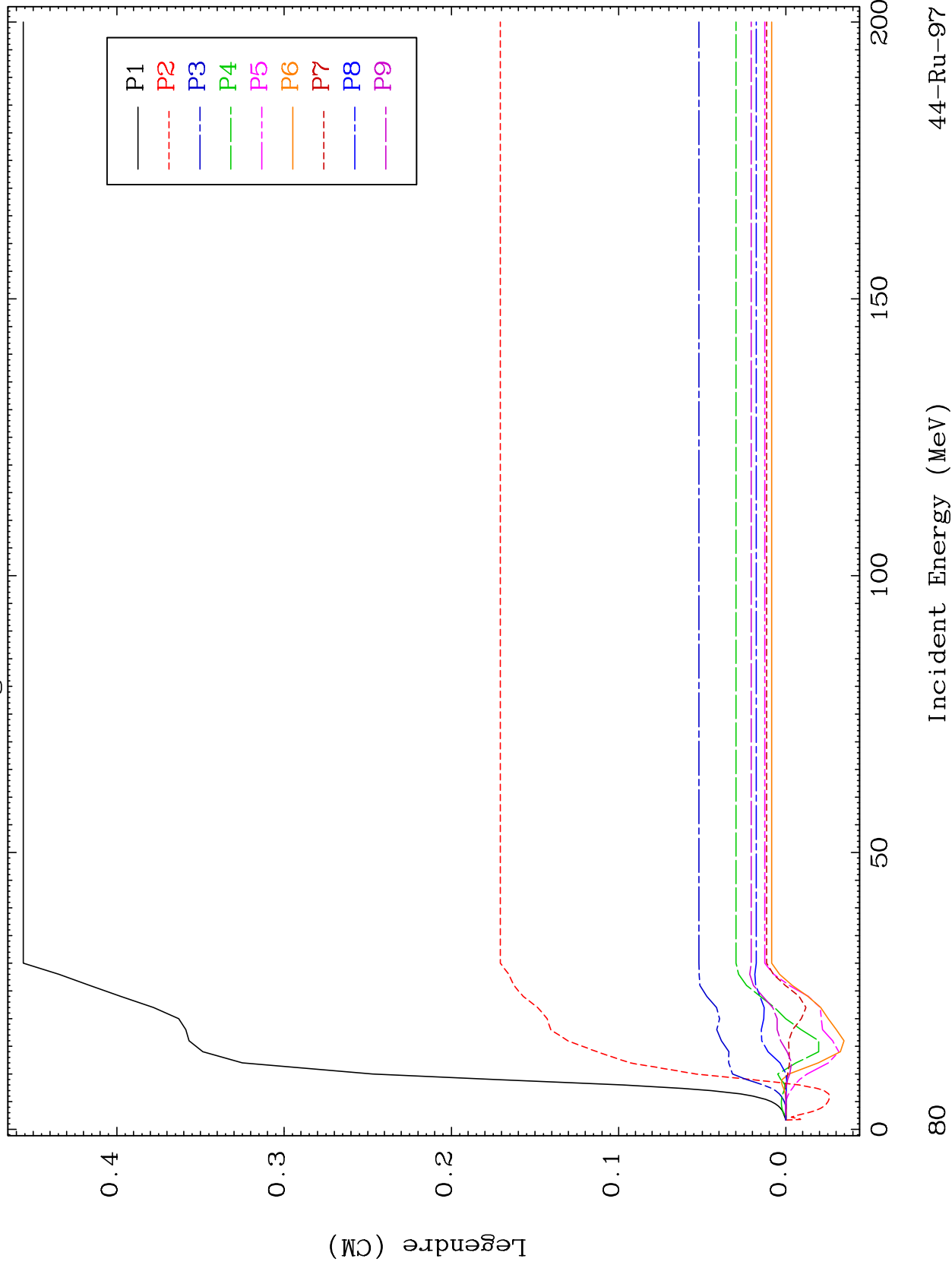
Incident Energy (MeV)

44-Ru-97

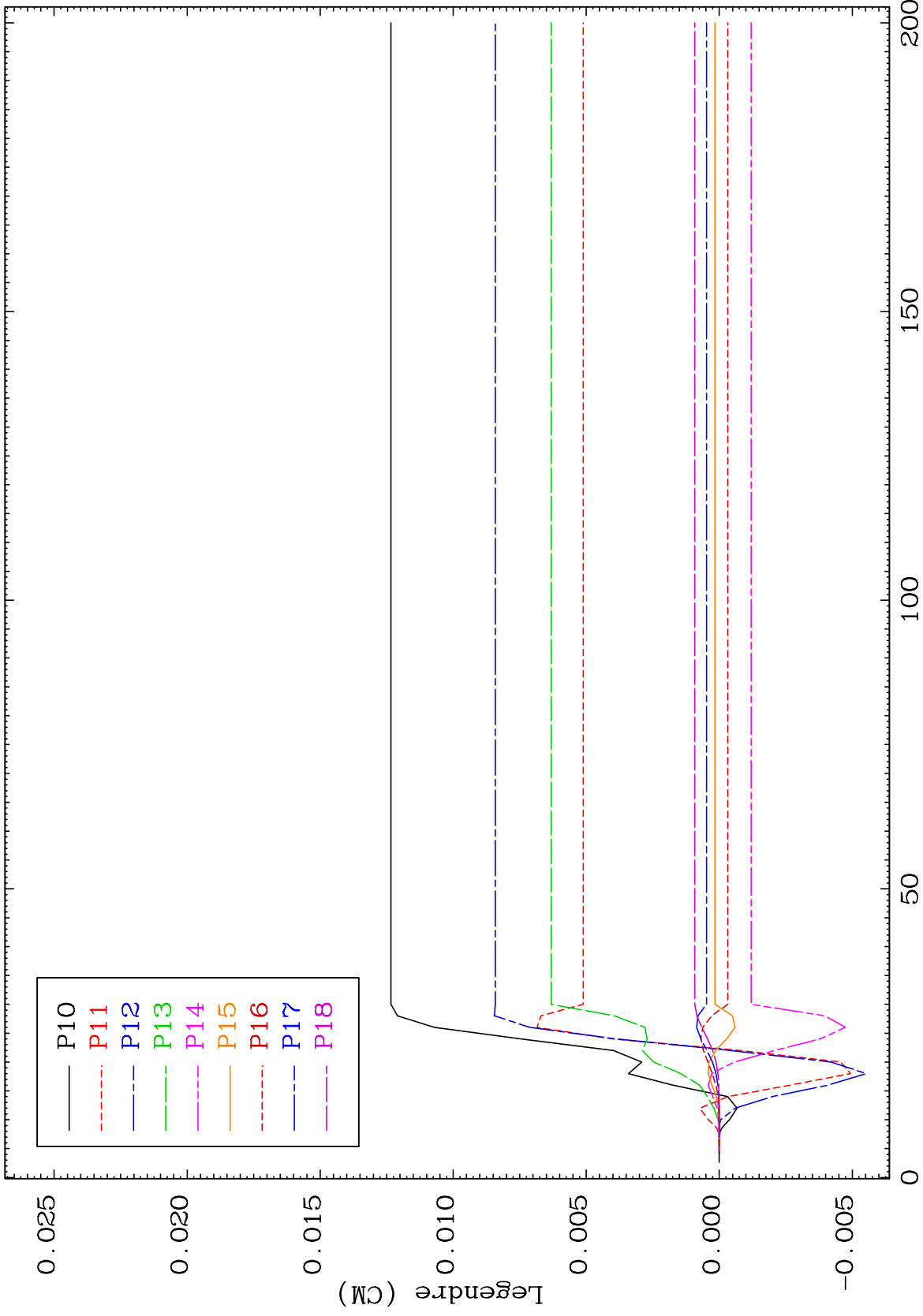
MAT 4428

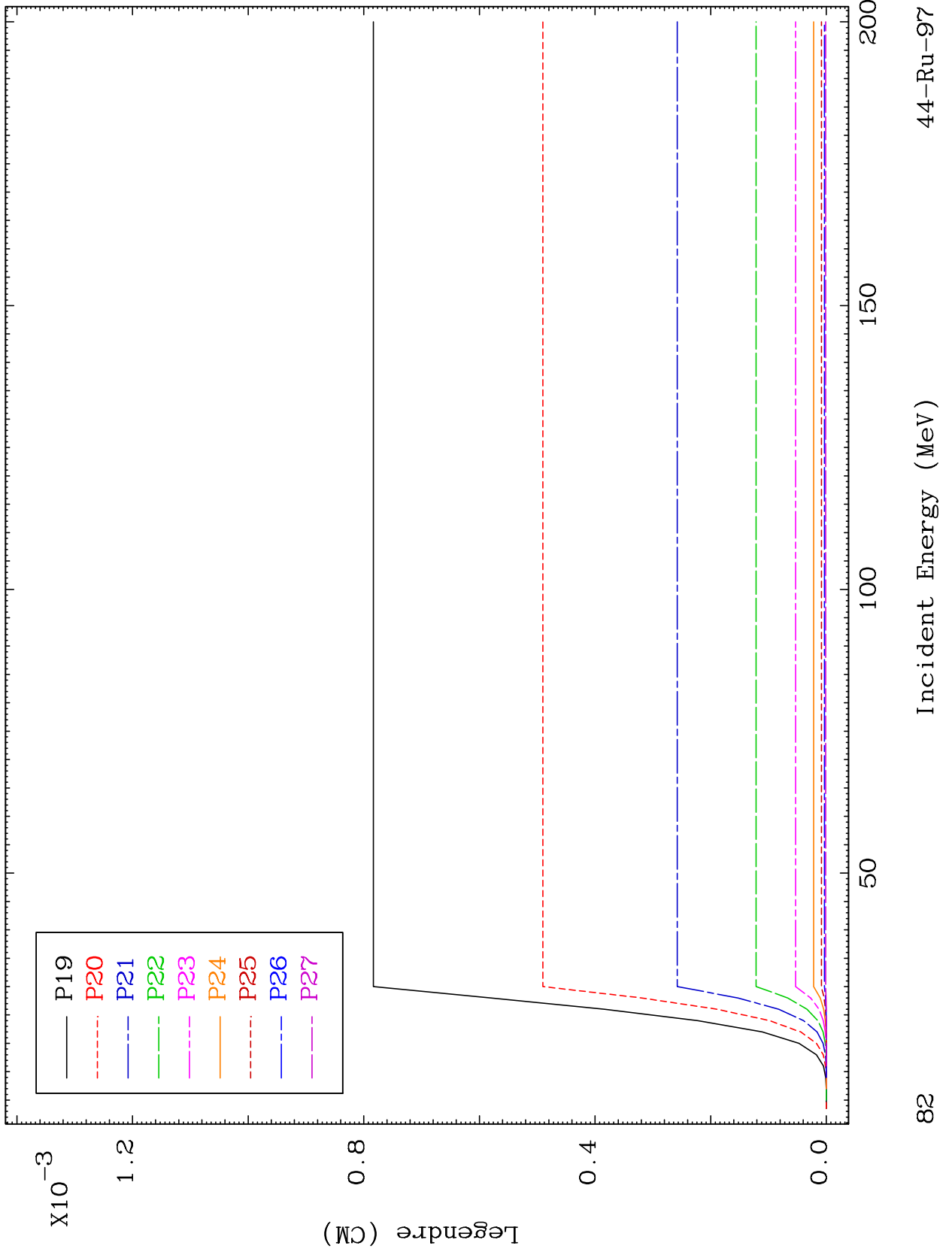
MT= 67 (n,n') Level  
Legendre Coefficients

44-Ru-97



44-Ru-97

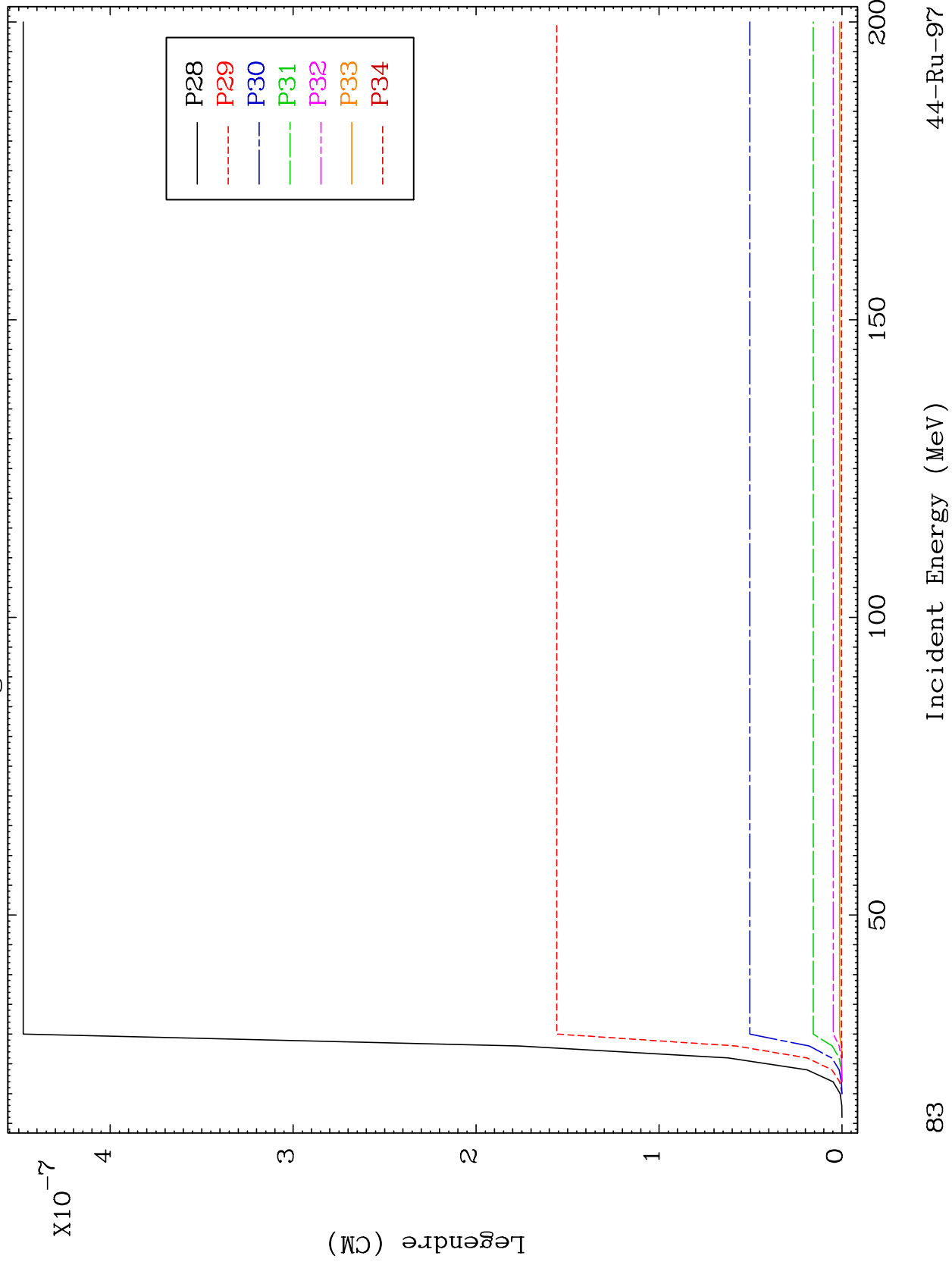




MAT 4428

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

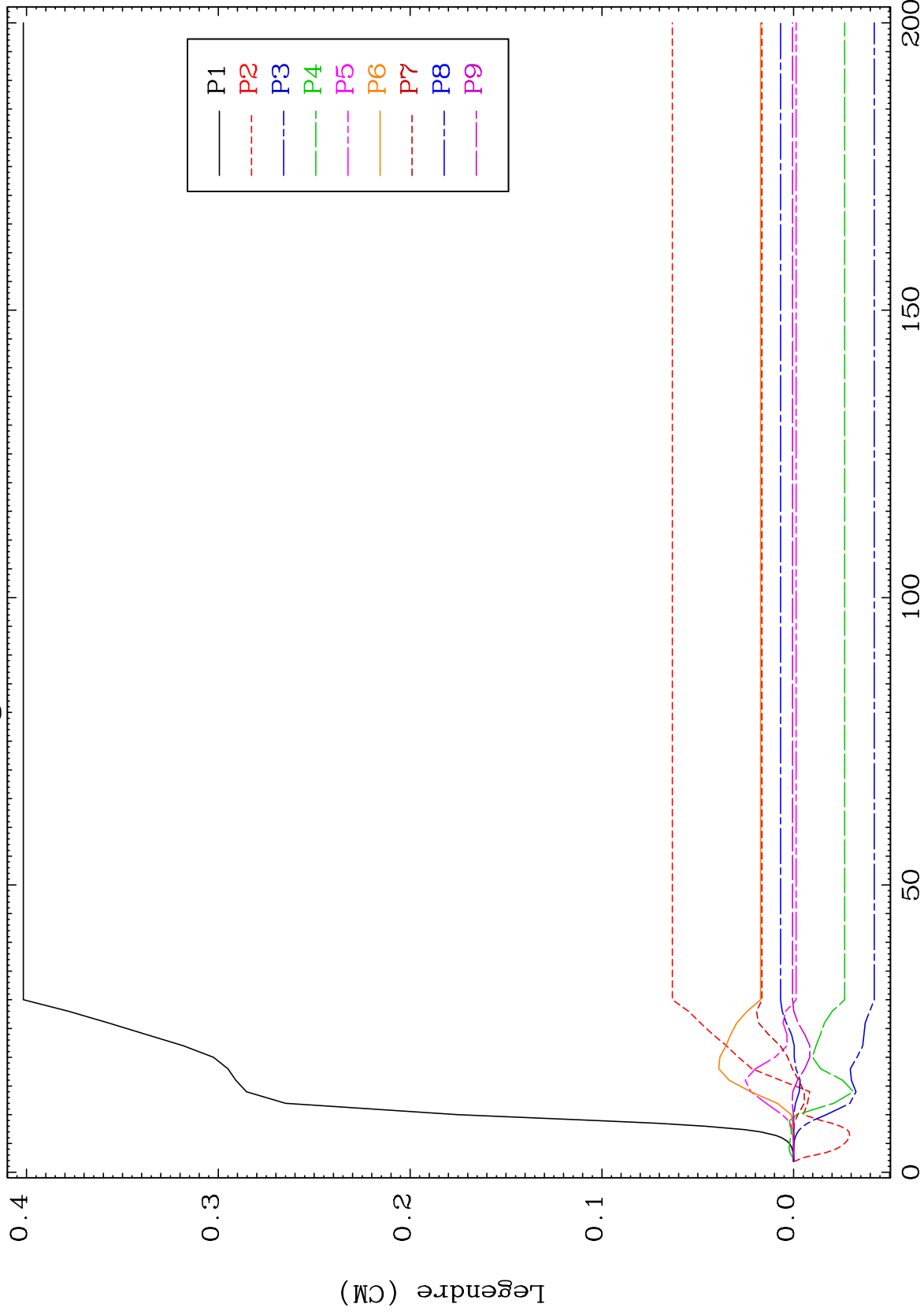
44-Ru-97



MAT 4428

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

44-Ru-97



84

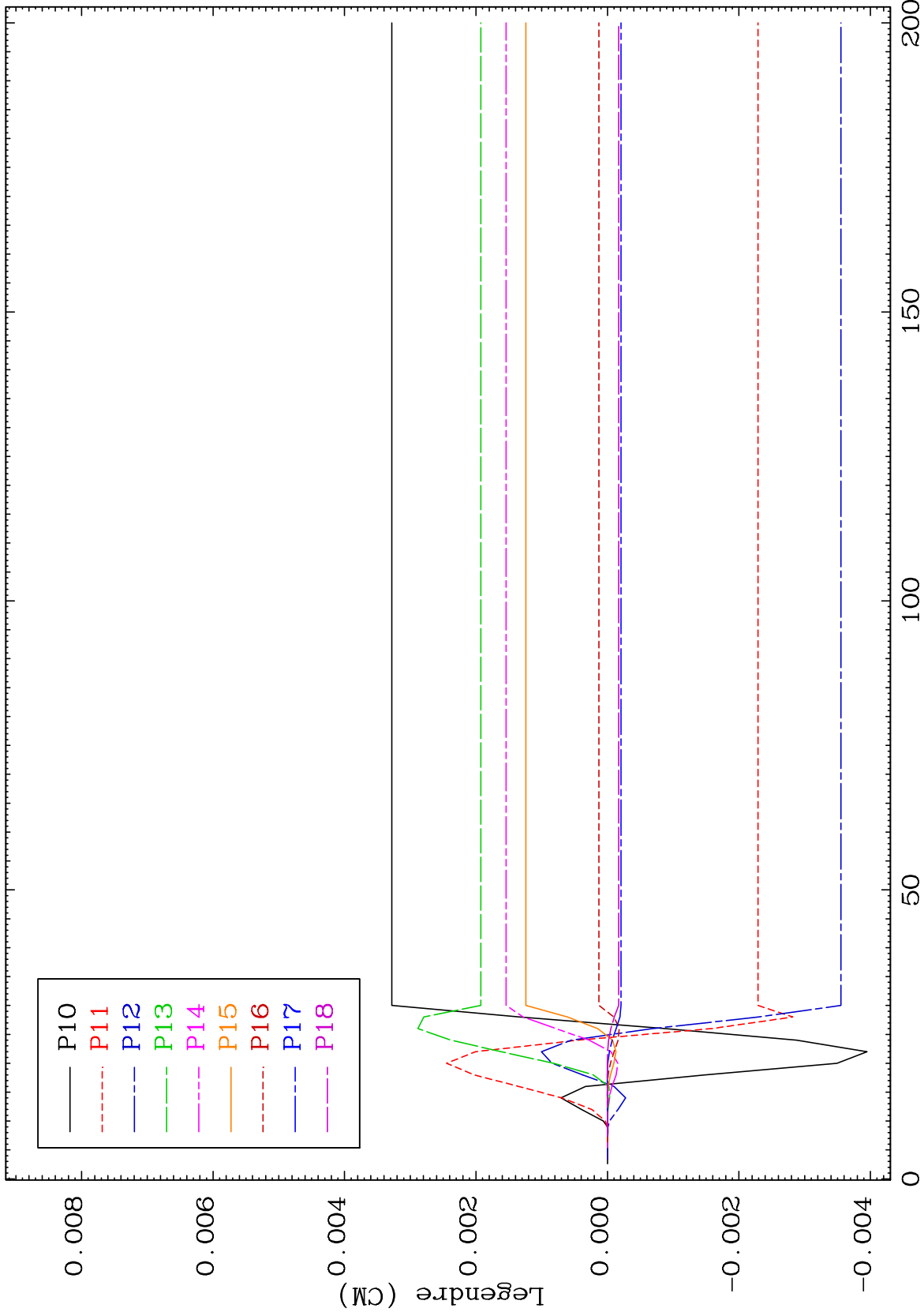
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

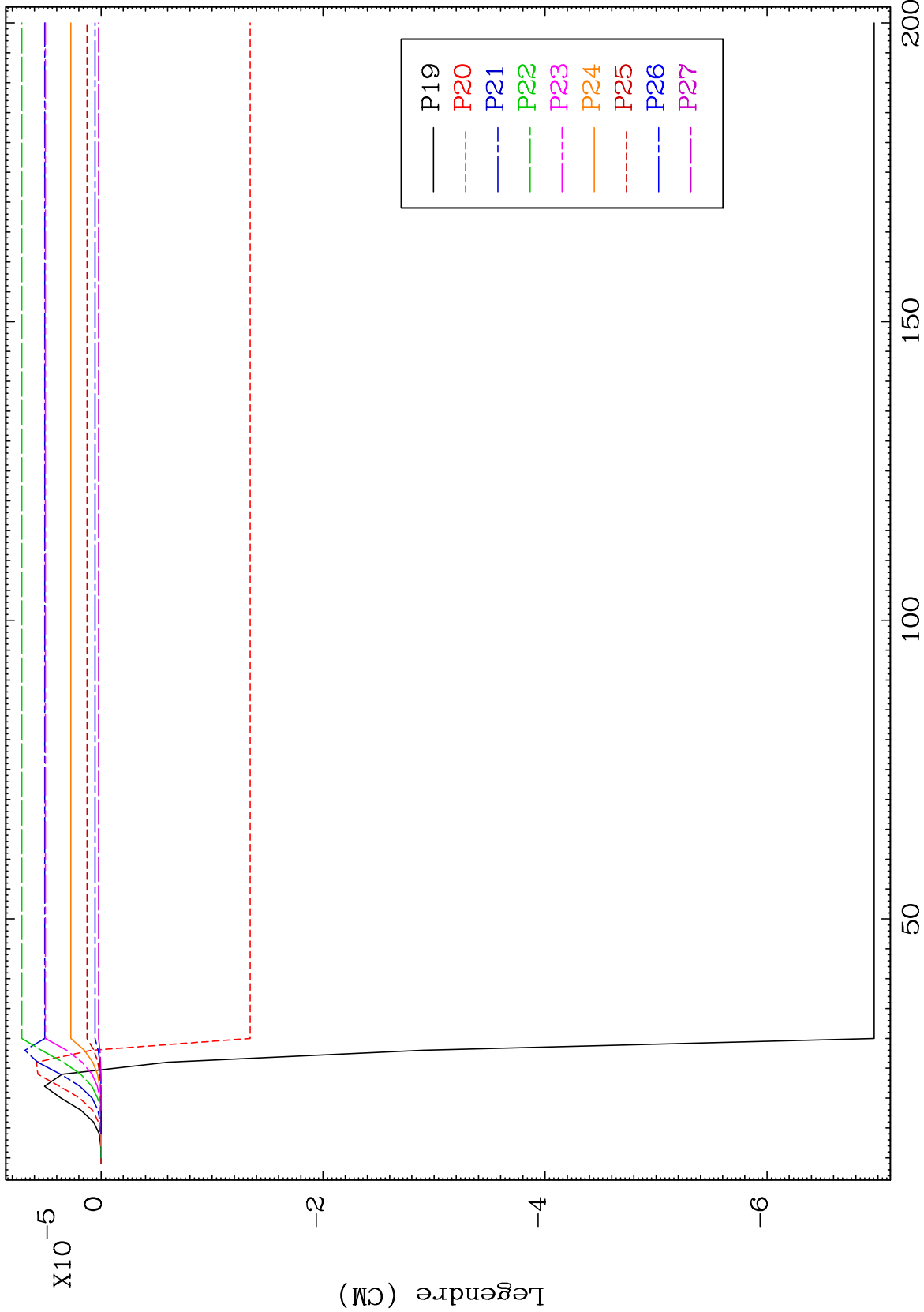
44-Ru-97



85

Incident Energy (MeV)

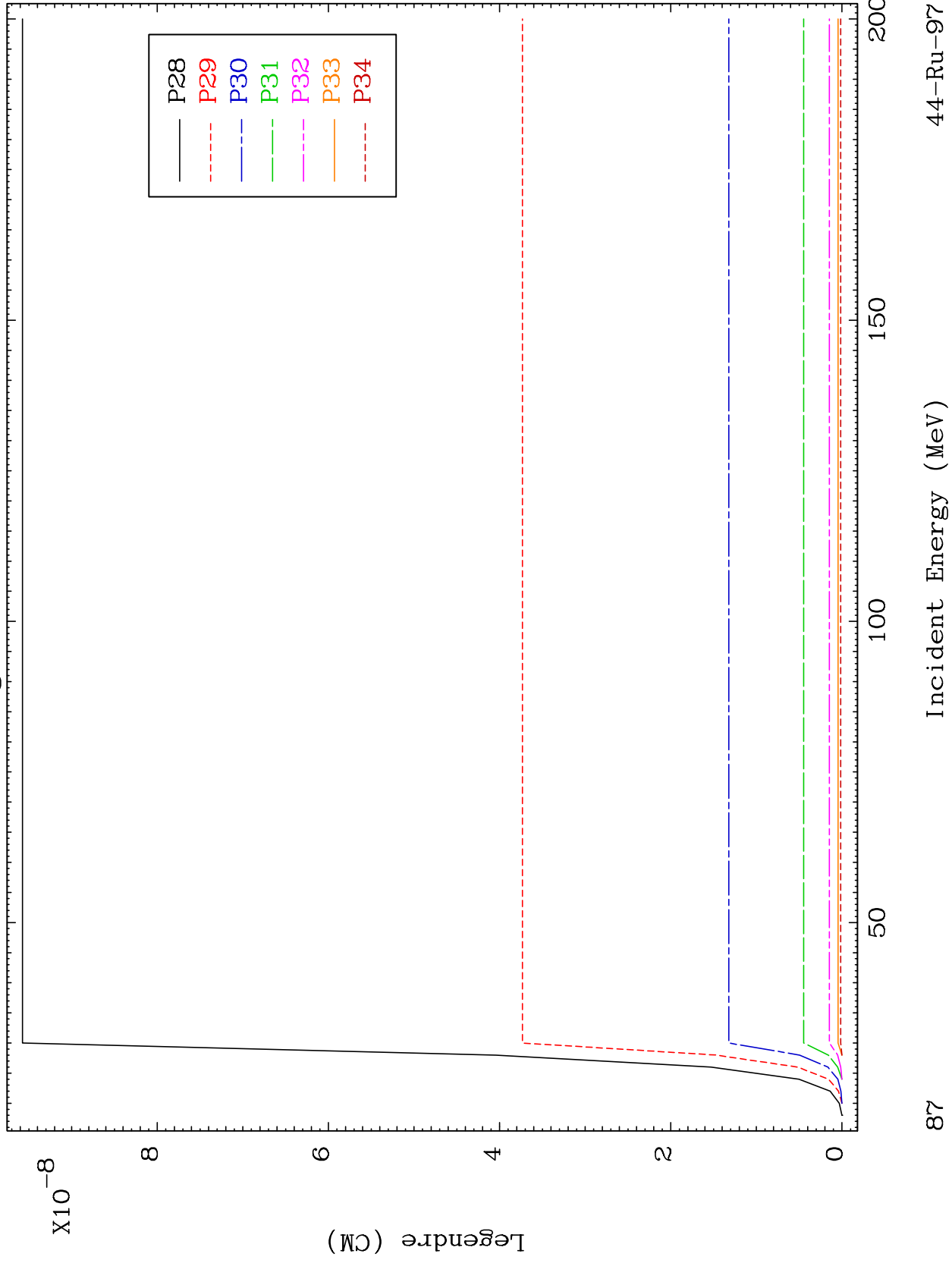
44-Ru-97



MAT 4428

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

44-Ru-97

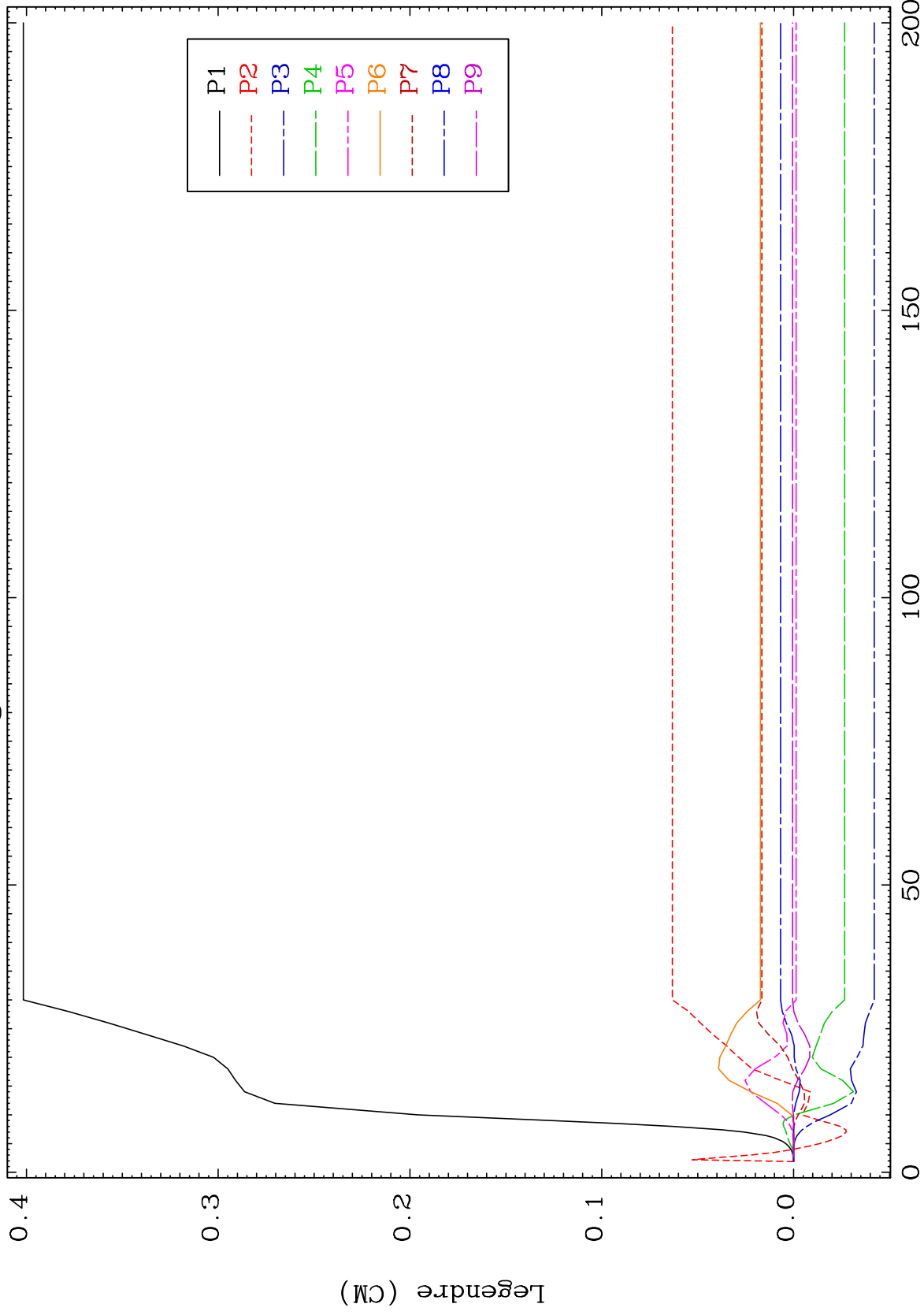


87

MAT 4428

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

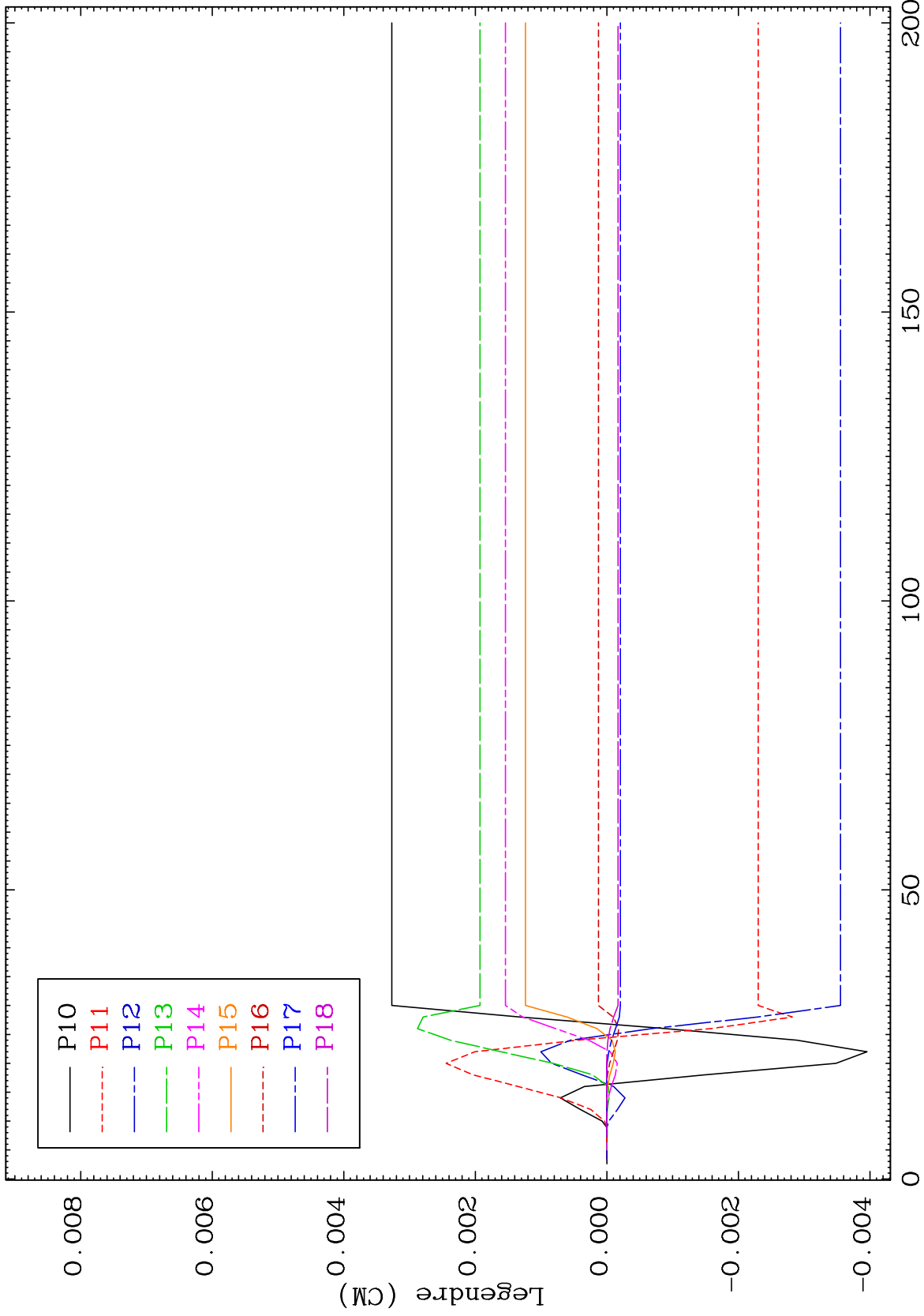
44-Ru-97



88

Incident Energy (MeV)

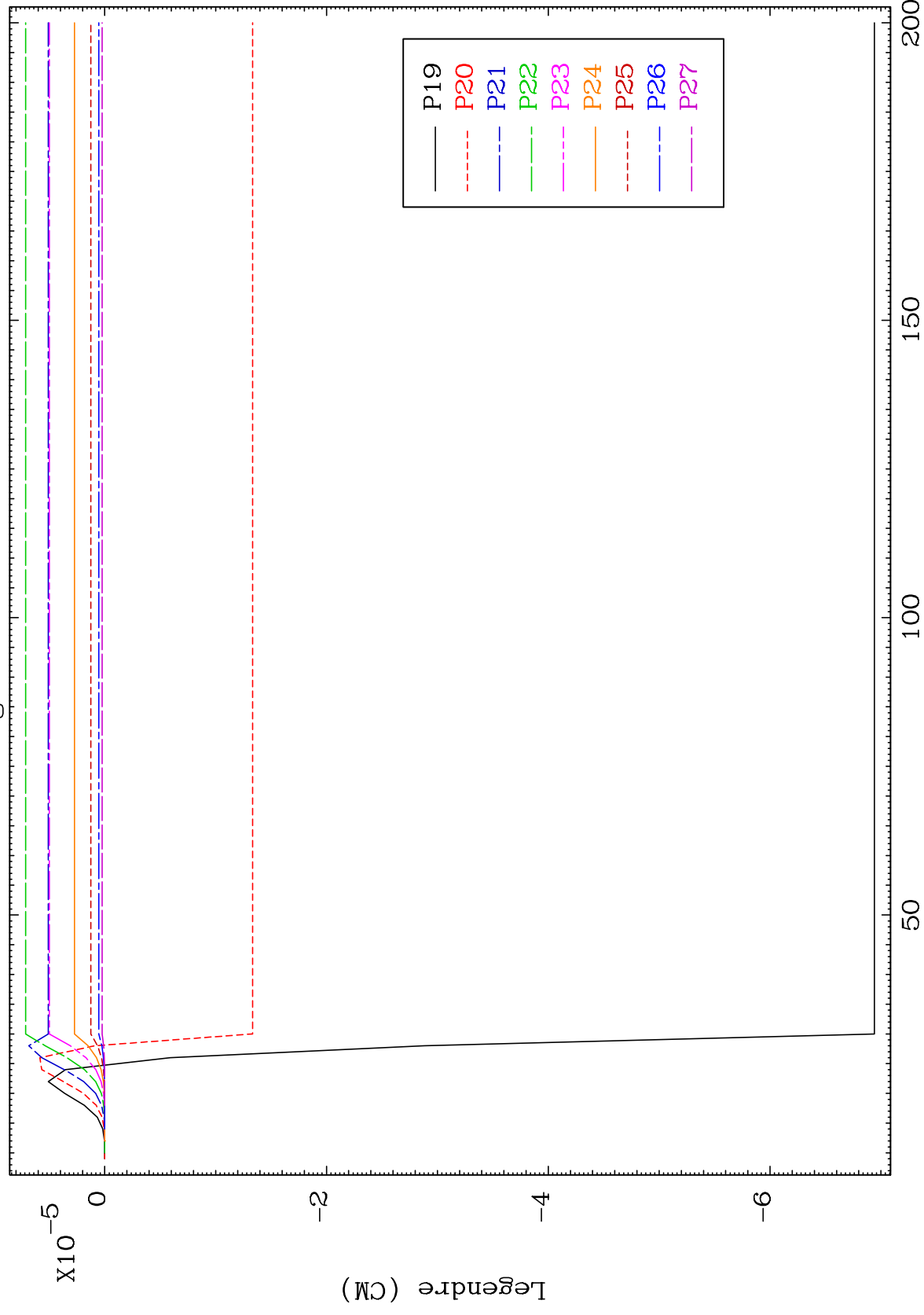
44-Ru-97



MAT 4428

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

44-Ru-97



90

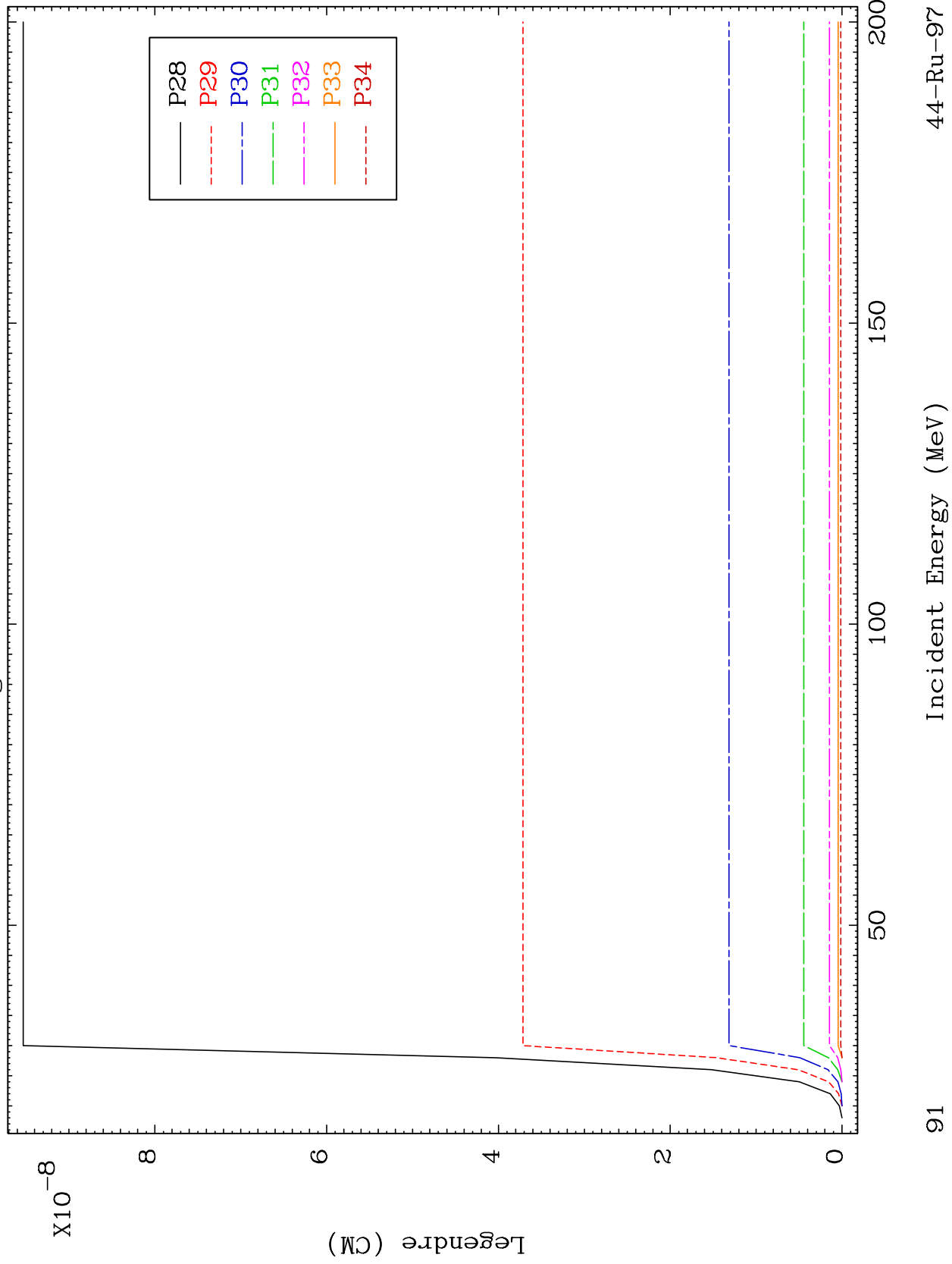
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

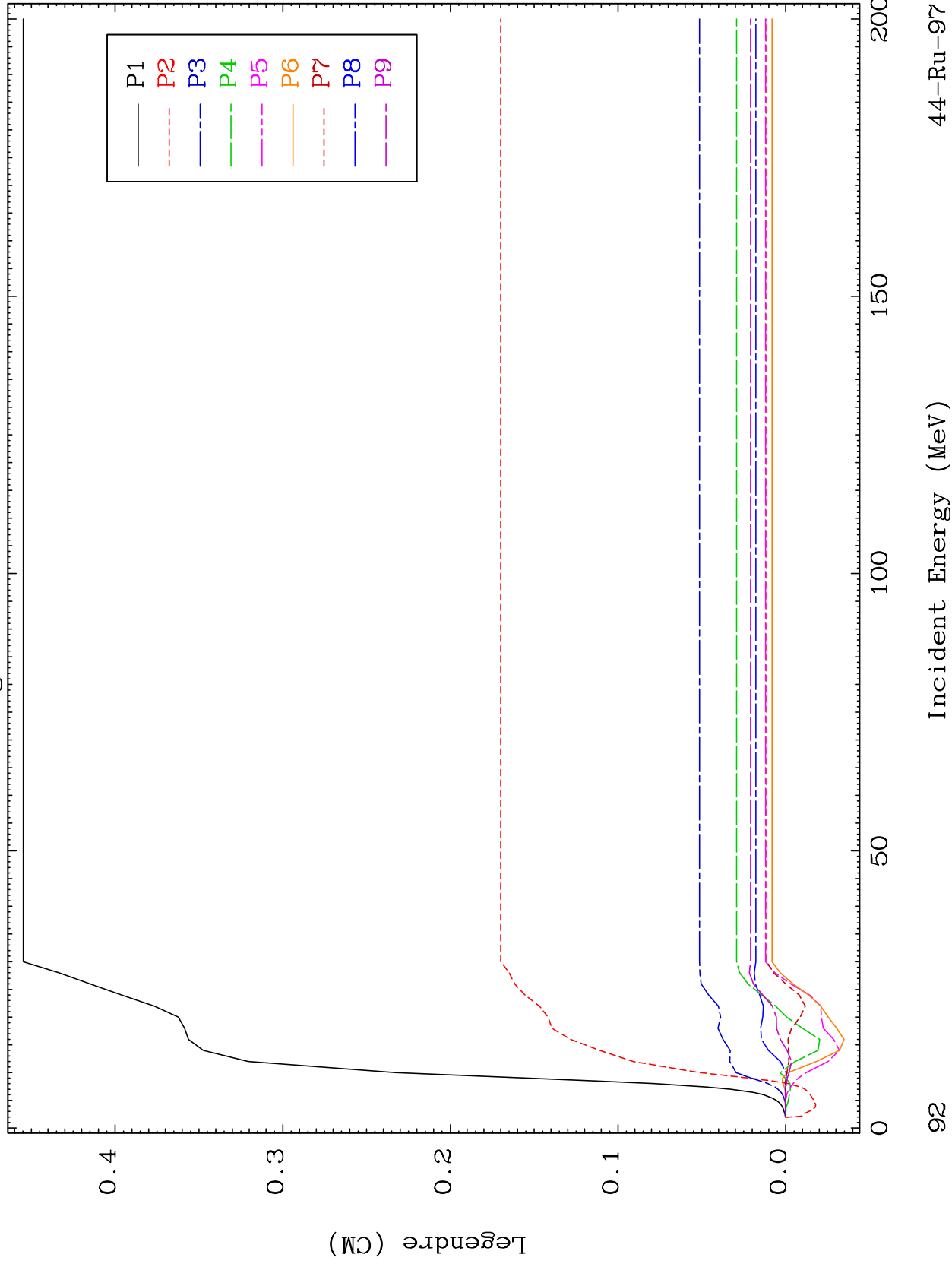
44-Ru-97

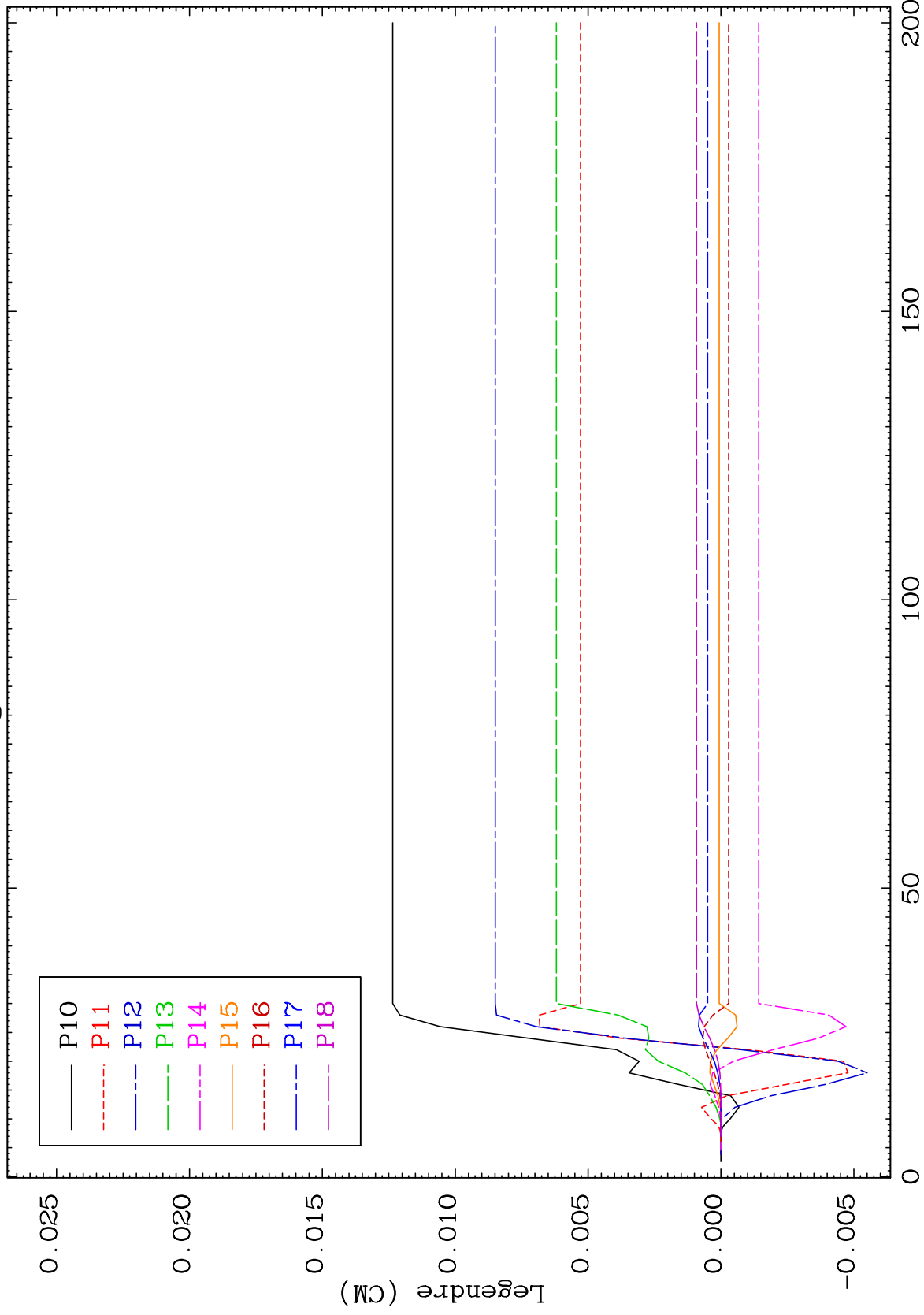


MAT 4428

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

44-Ru-97

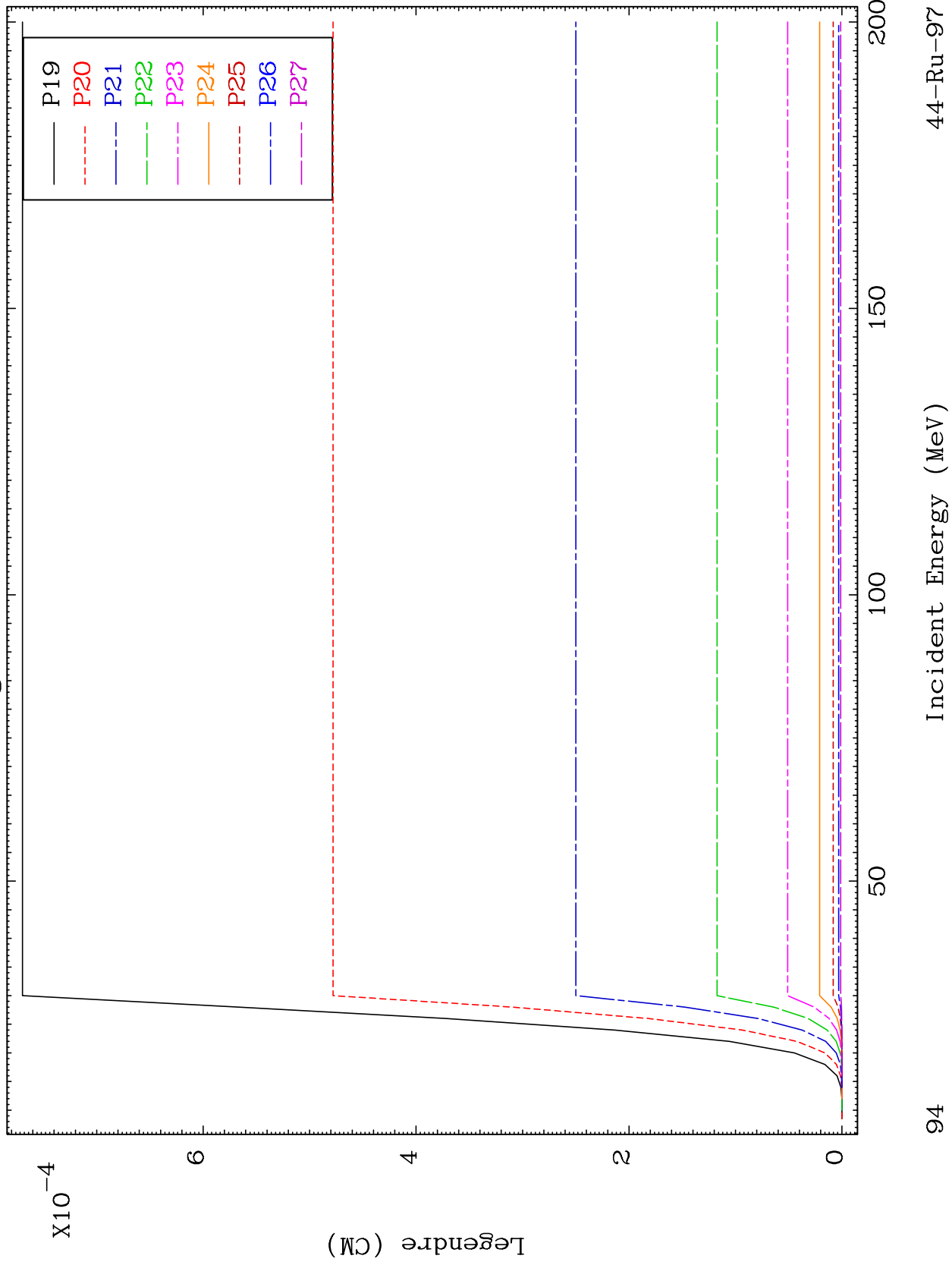




MAT 4428

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

44-Ru-97

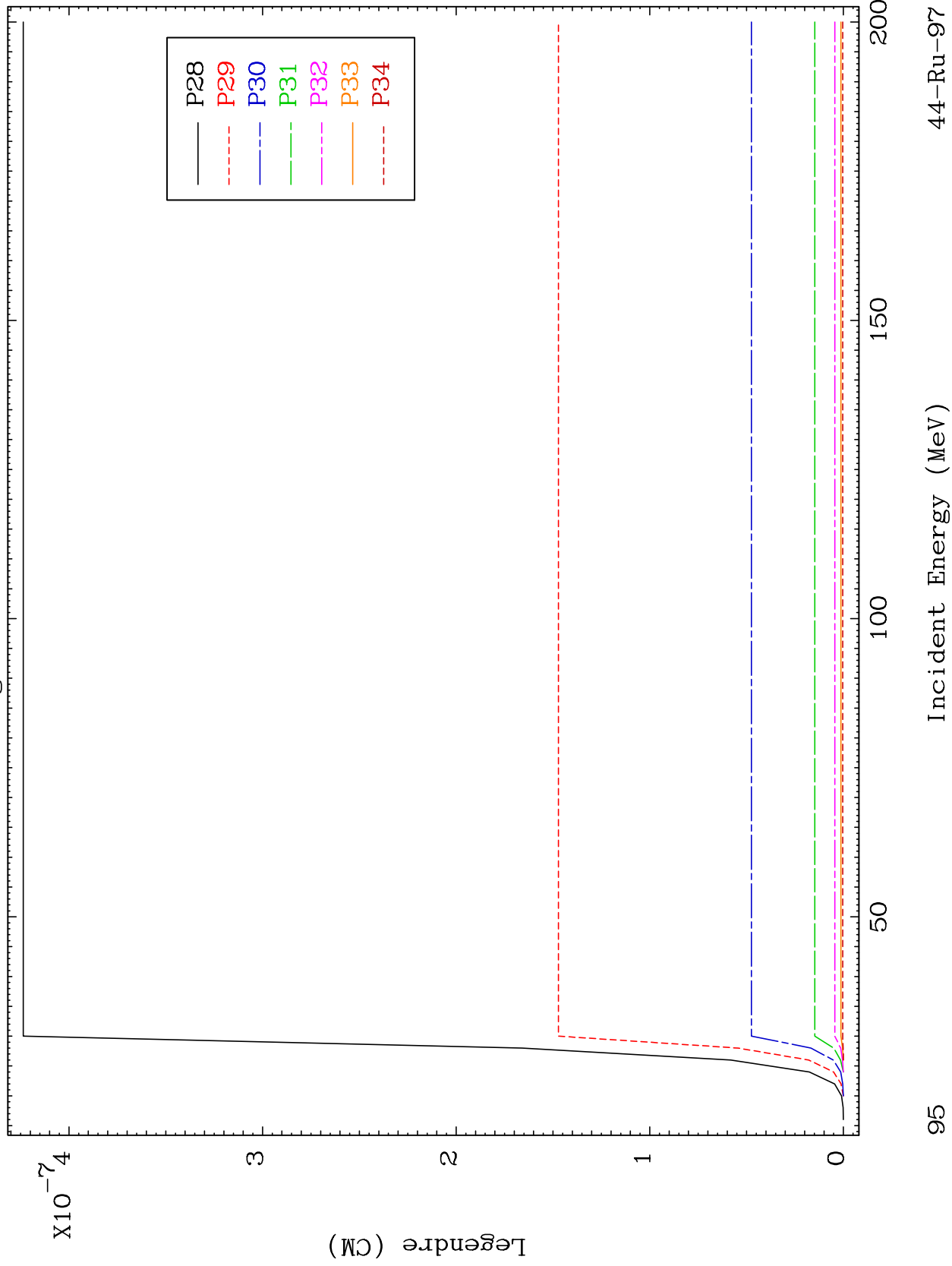


94

MAT 4428

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

44-Ru-97



95

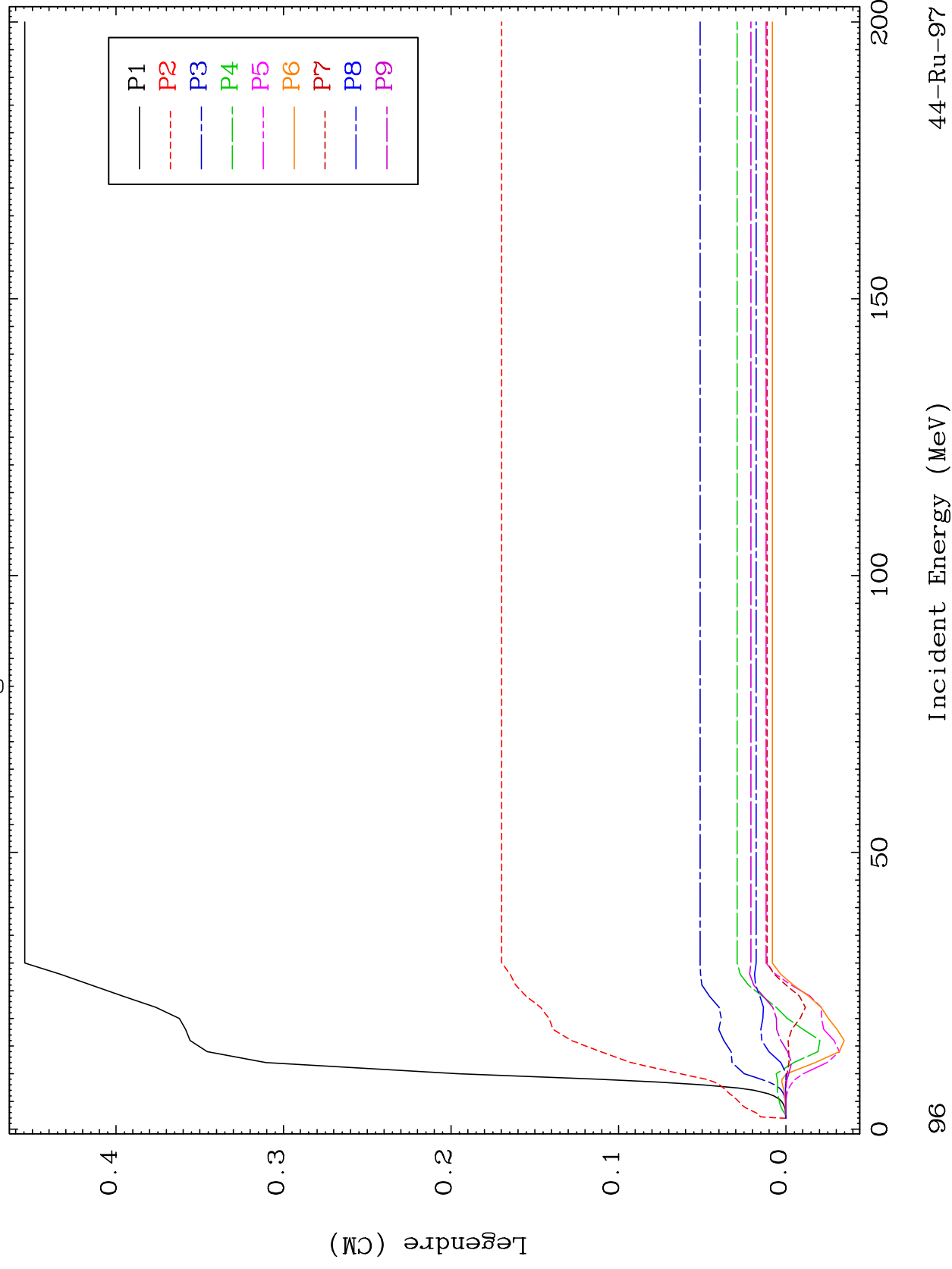
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



44-Ru-97

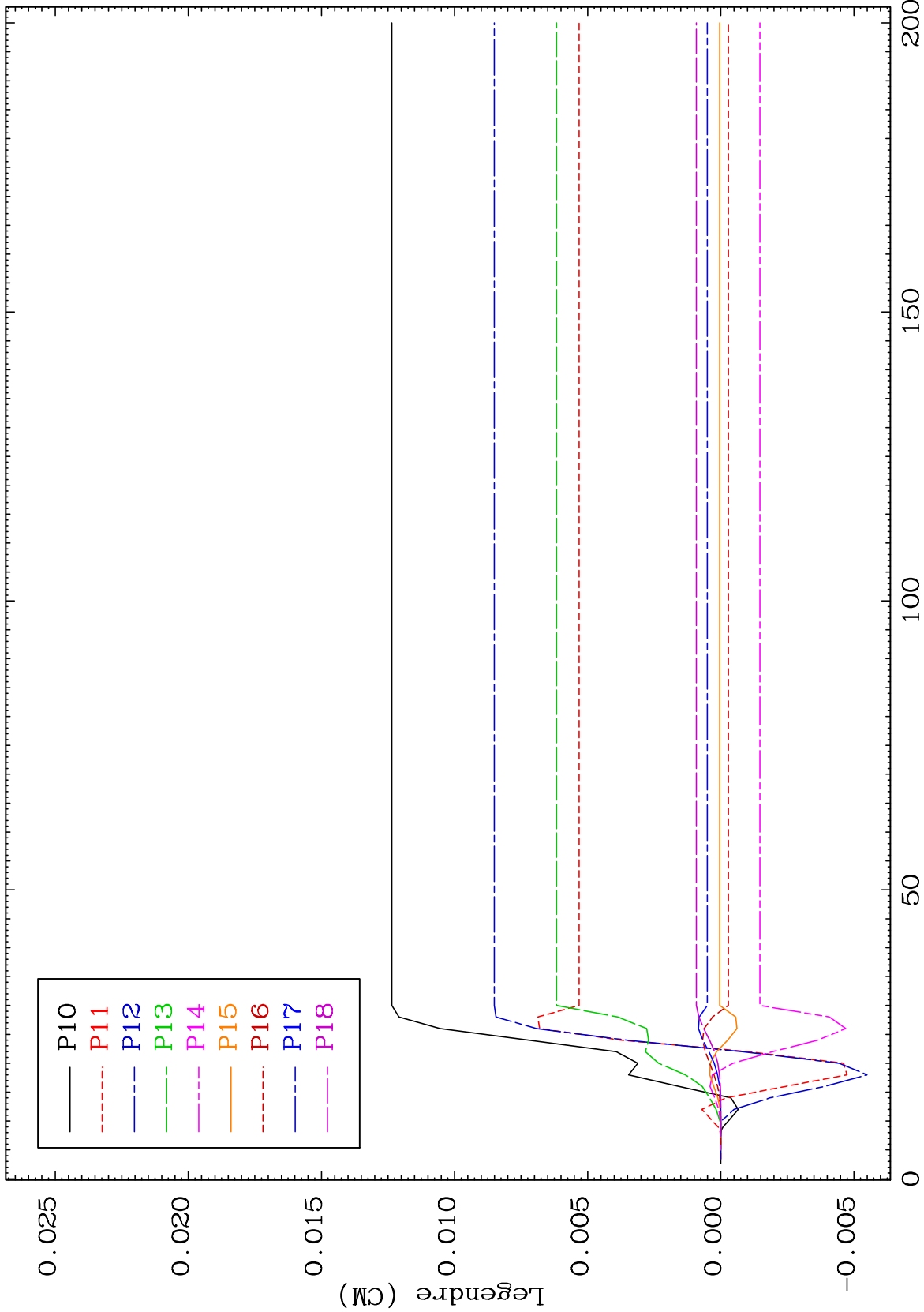
Incident Energy (MeV)

96

MAT 4428

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

44-Ru-97



97

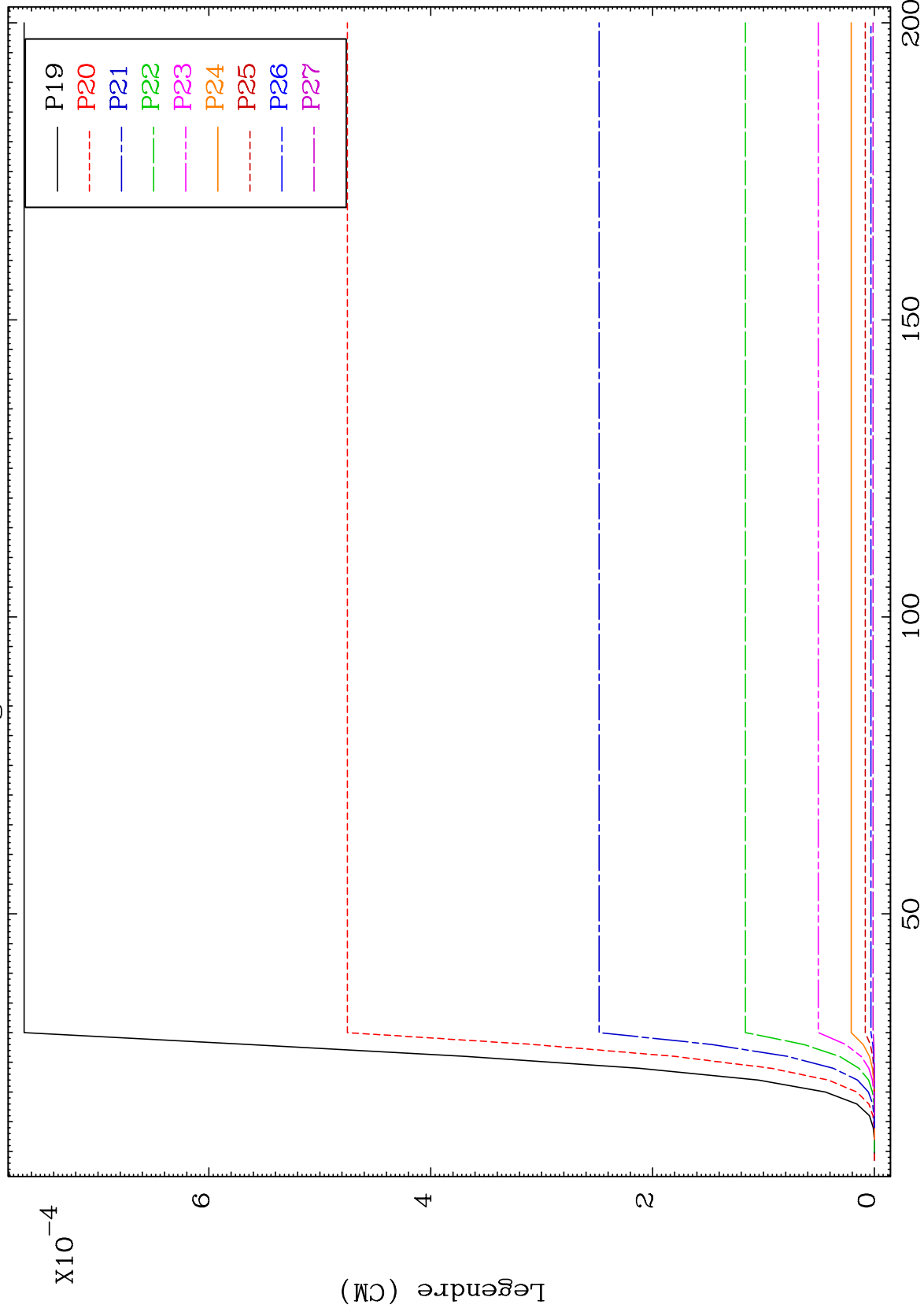
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



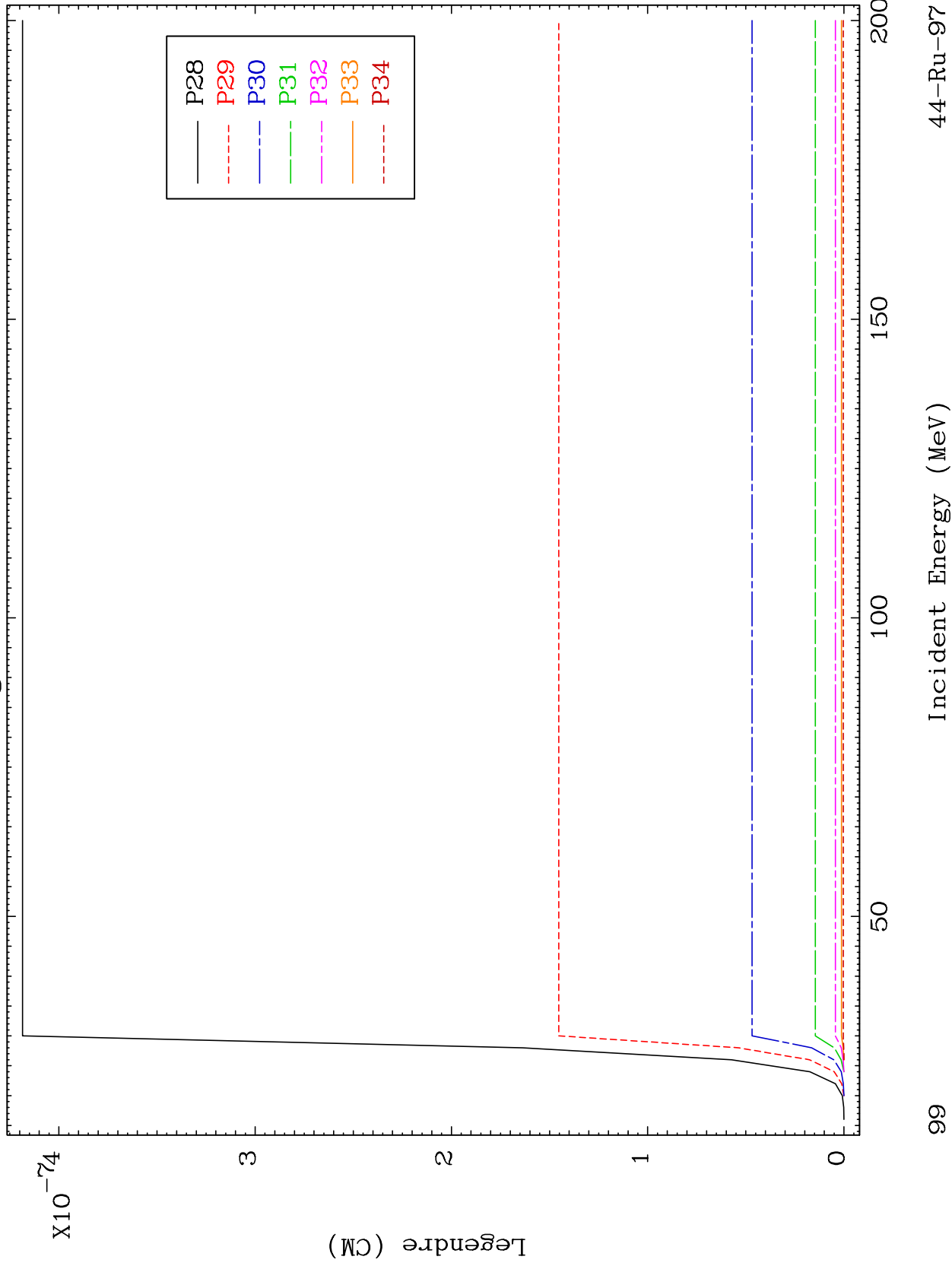
98

44-Ru-97

MAT 4428

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

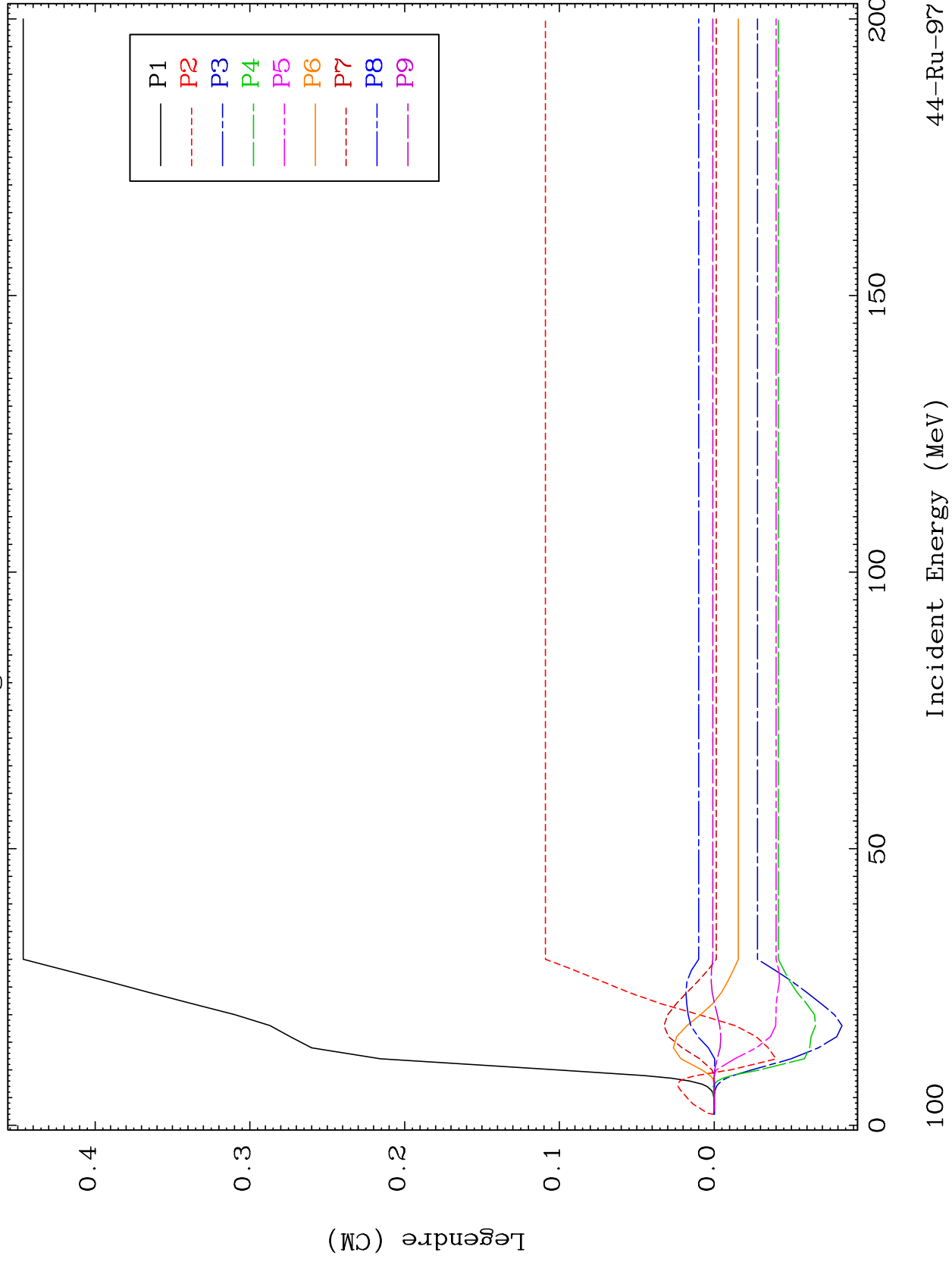
44-Ru-97



MAT 4428

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

44-Ru-97

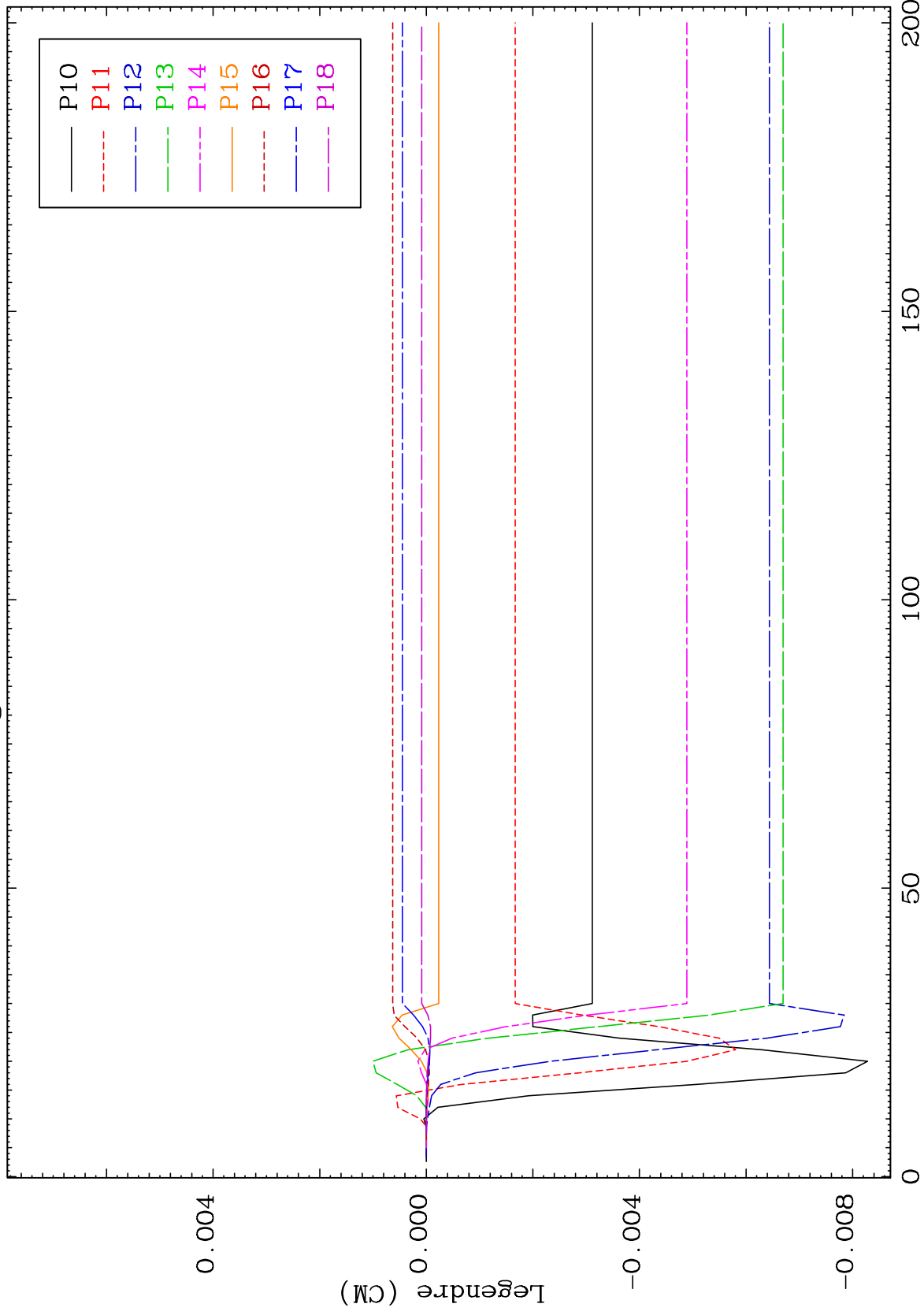


44-Ru-97

MAT 4428

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

44-Ru-97



101

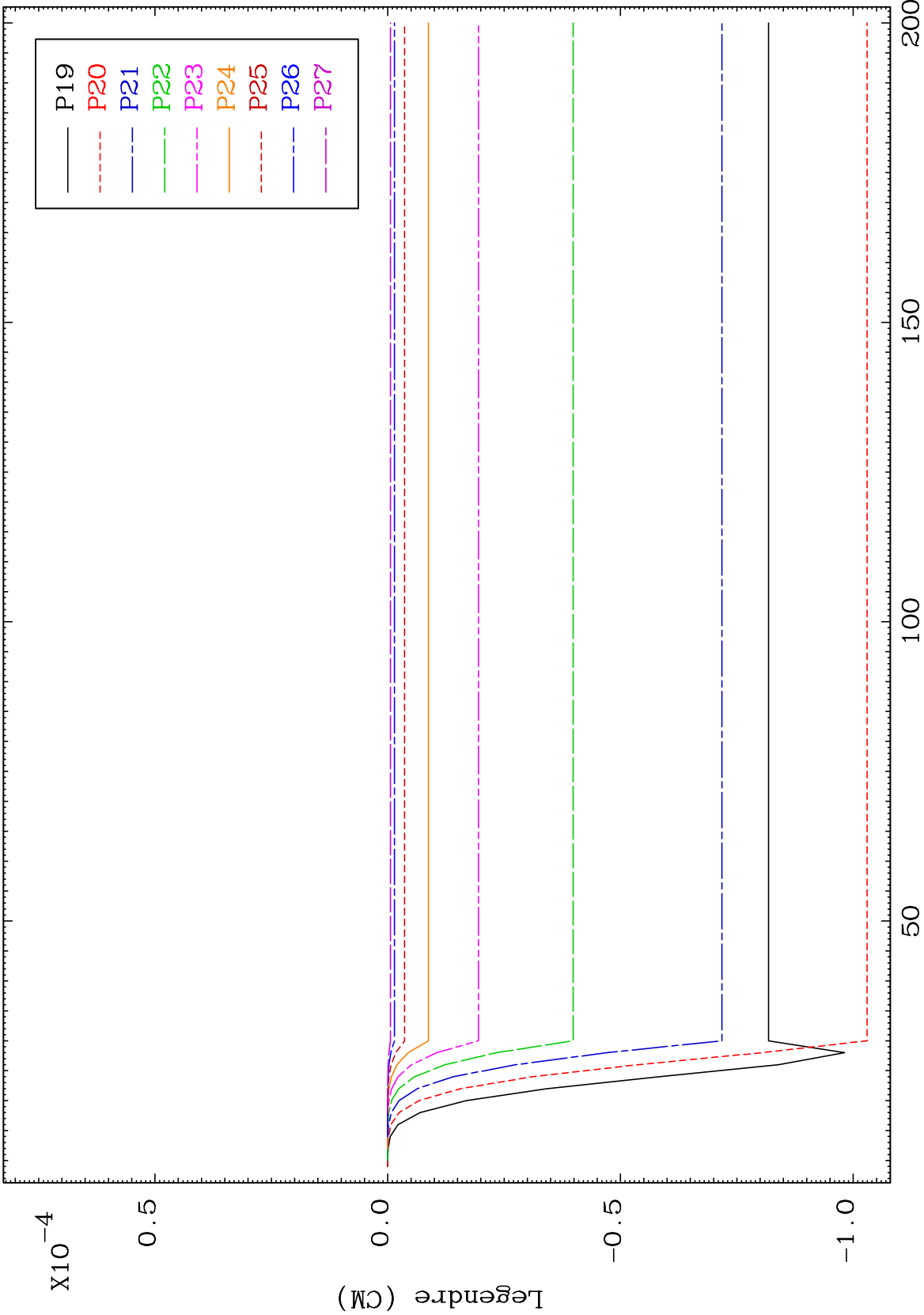
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

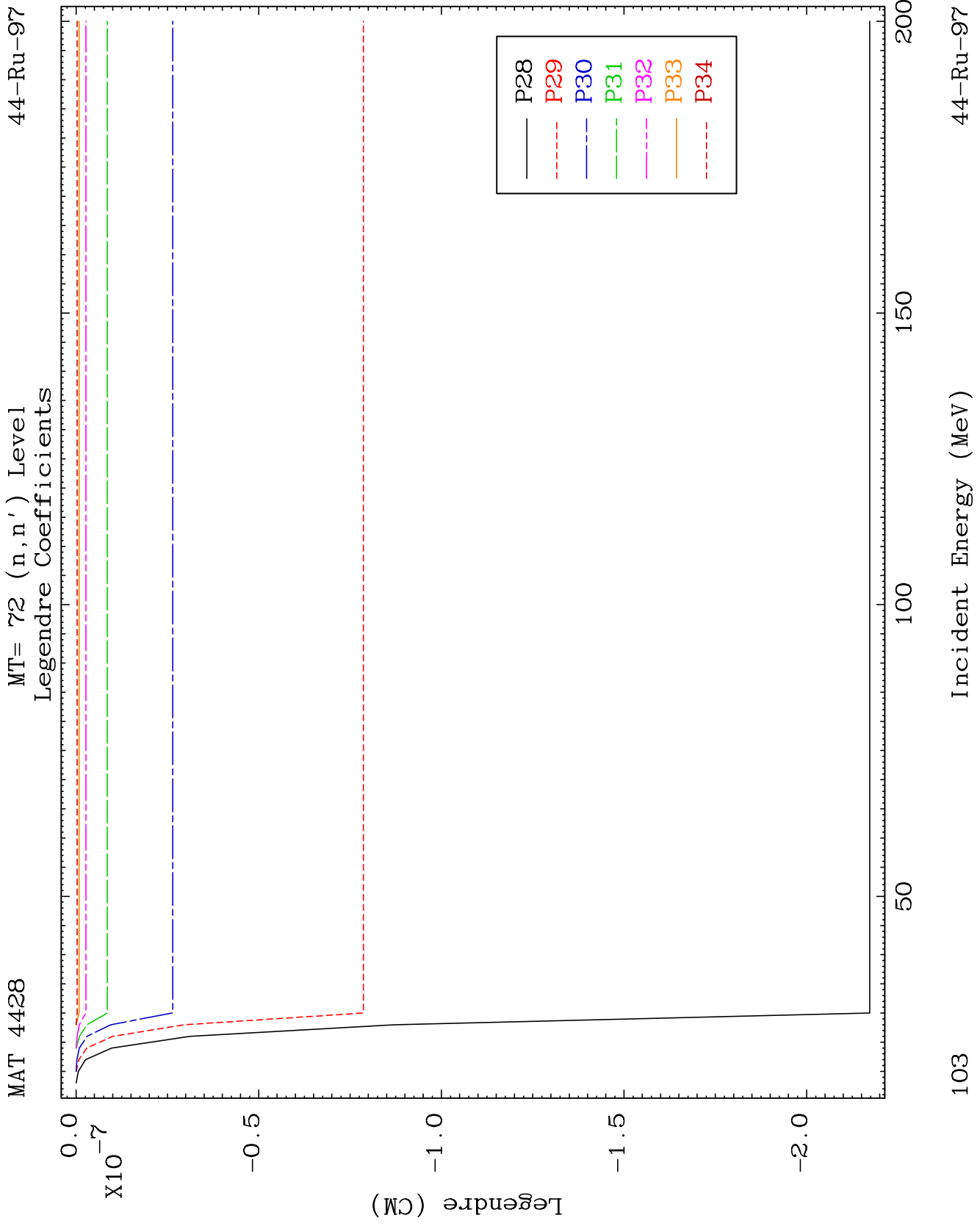
44-Ru-97

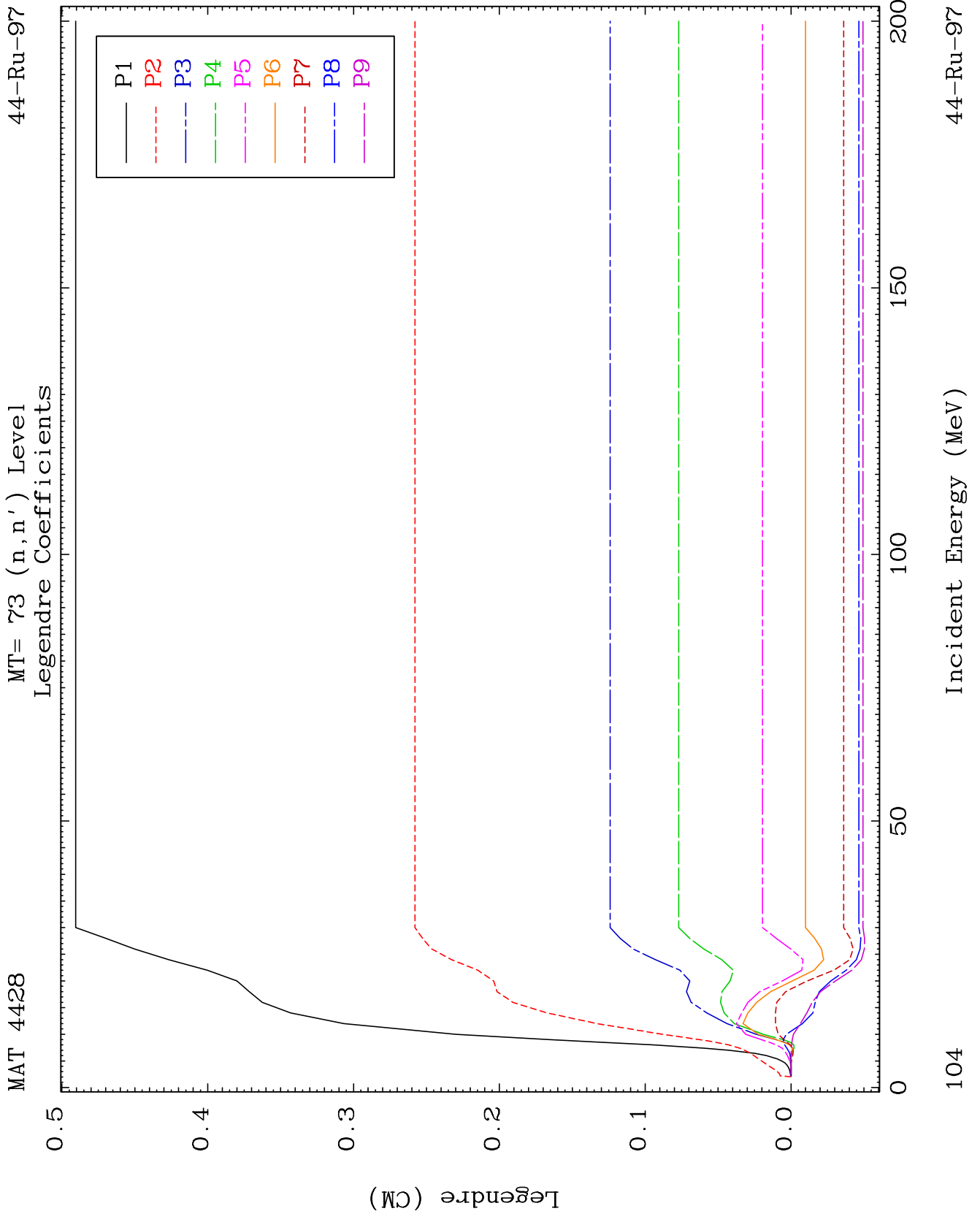


102

Incident Energy (MeV)

44-Ru-97

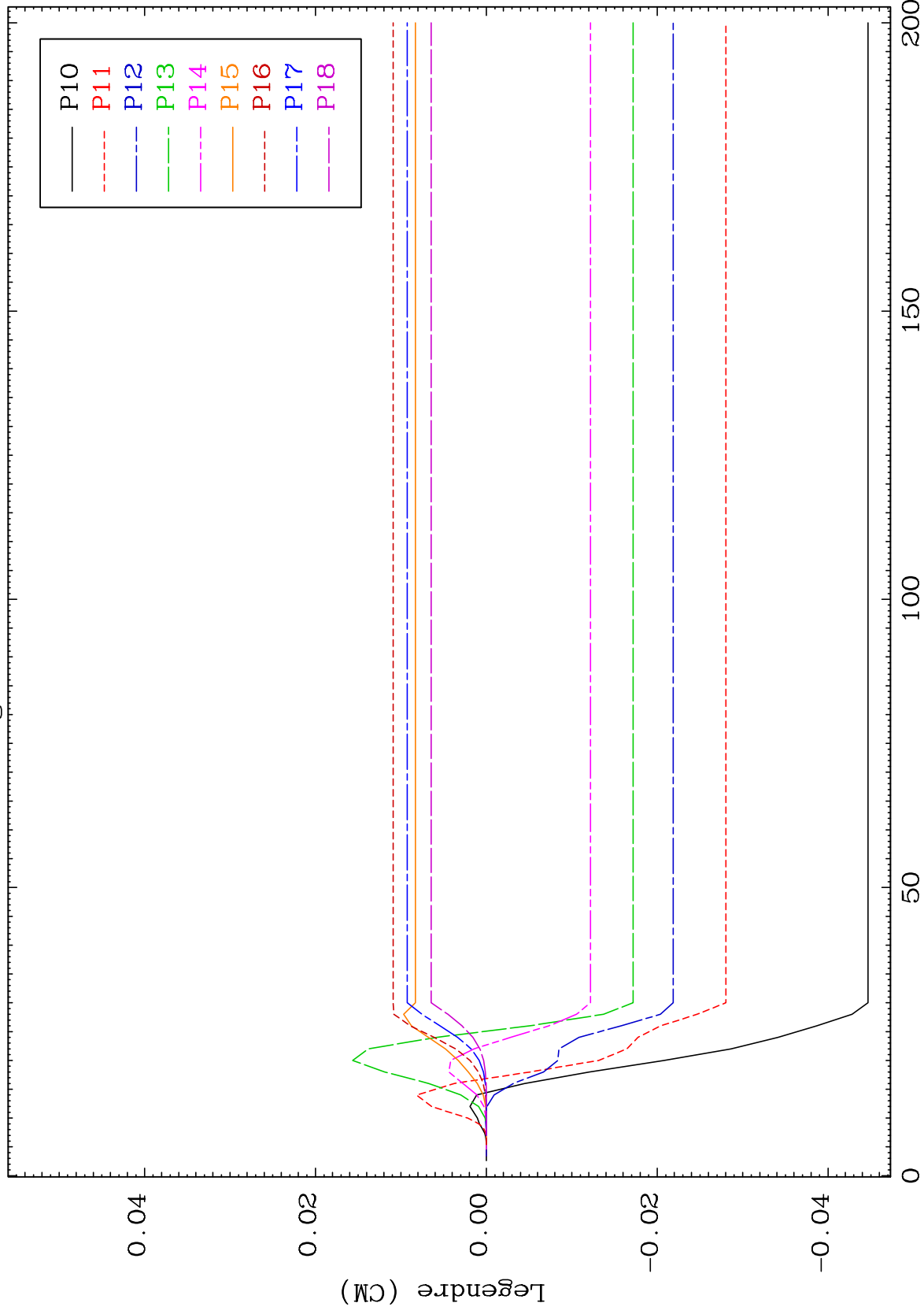




MAT 4428

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

44-Ru-97



105

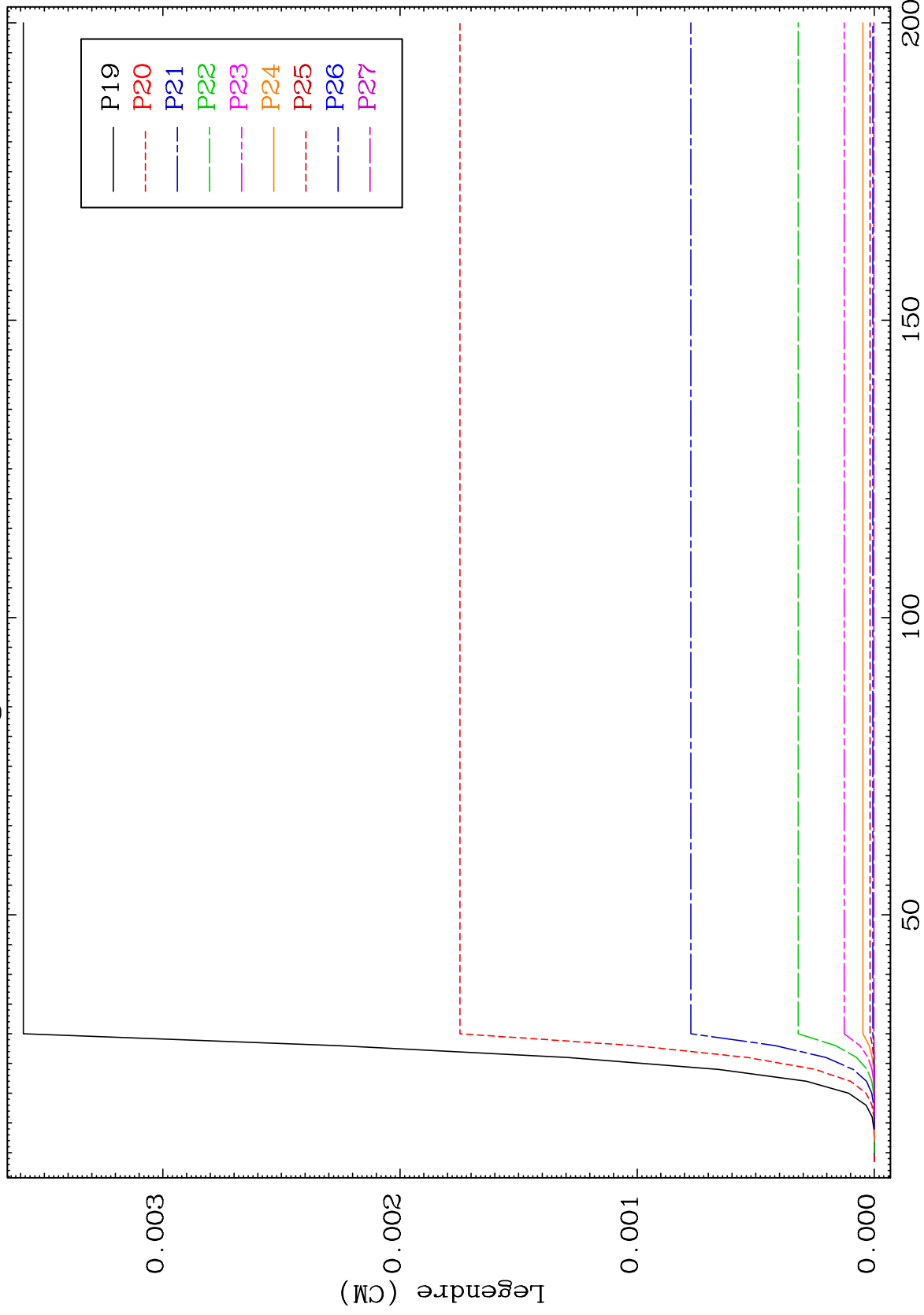
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



106

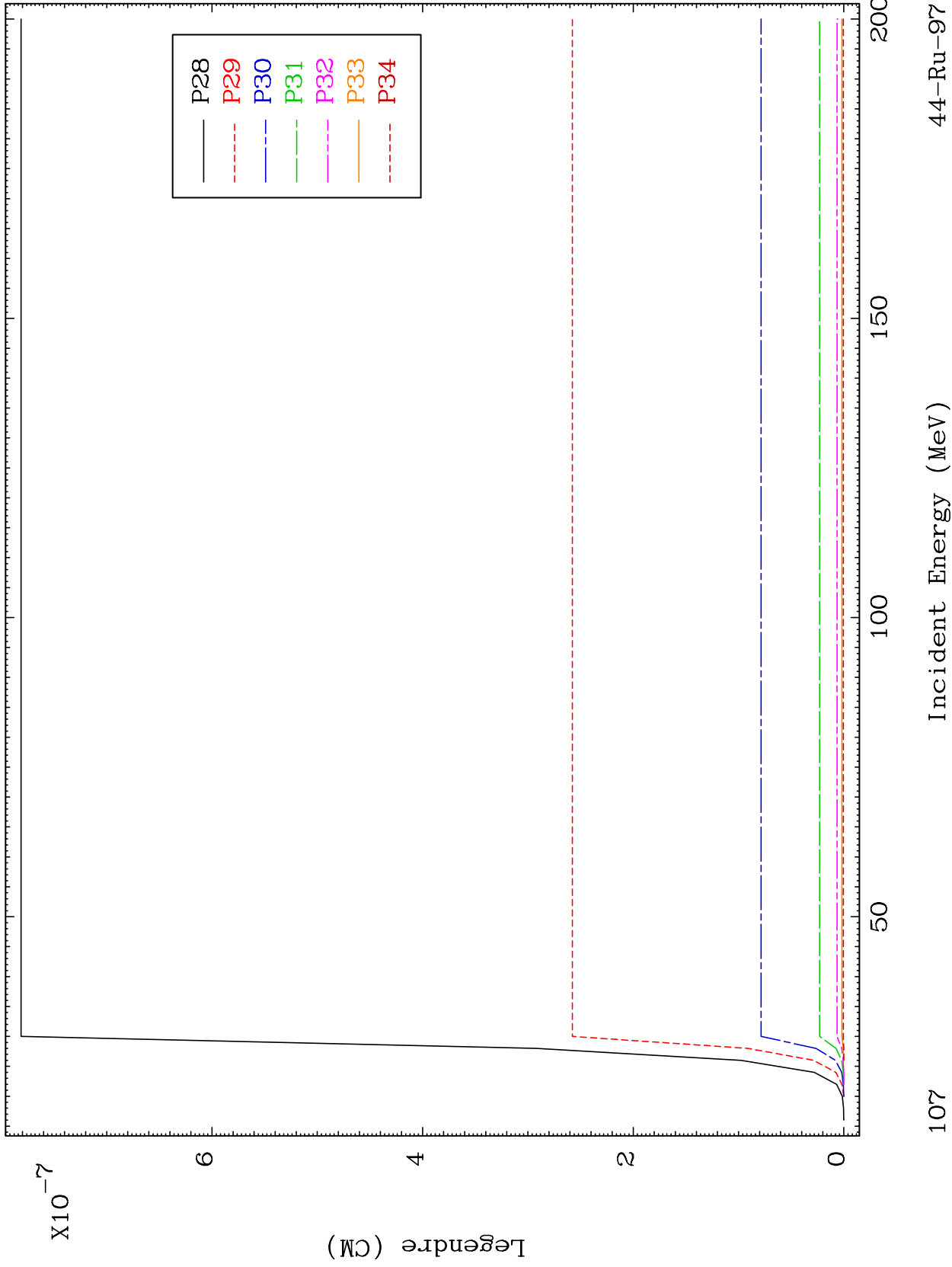
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



107

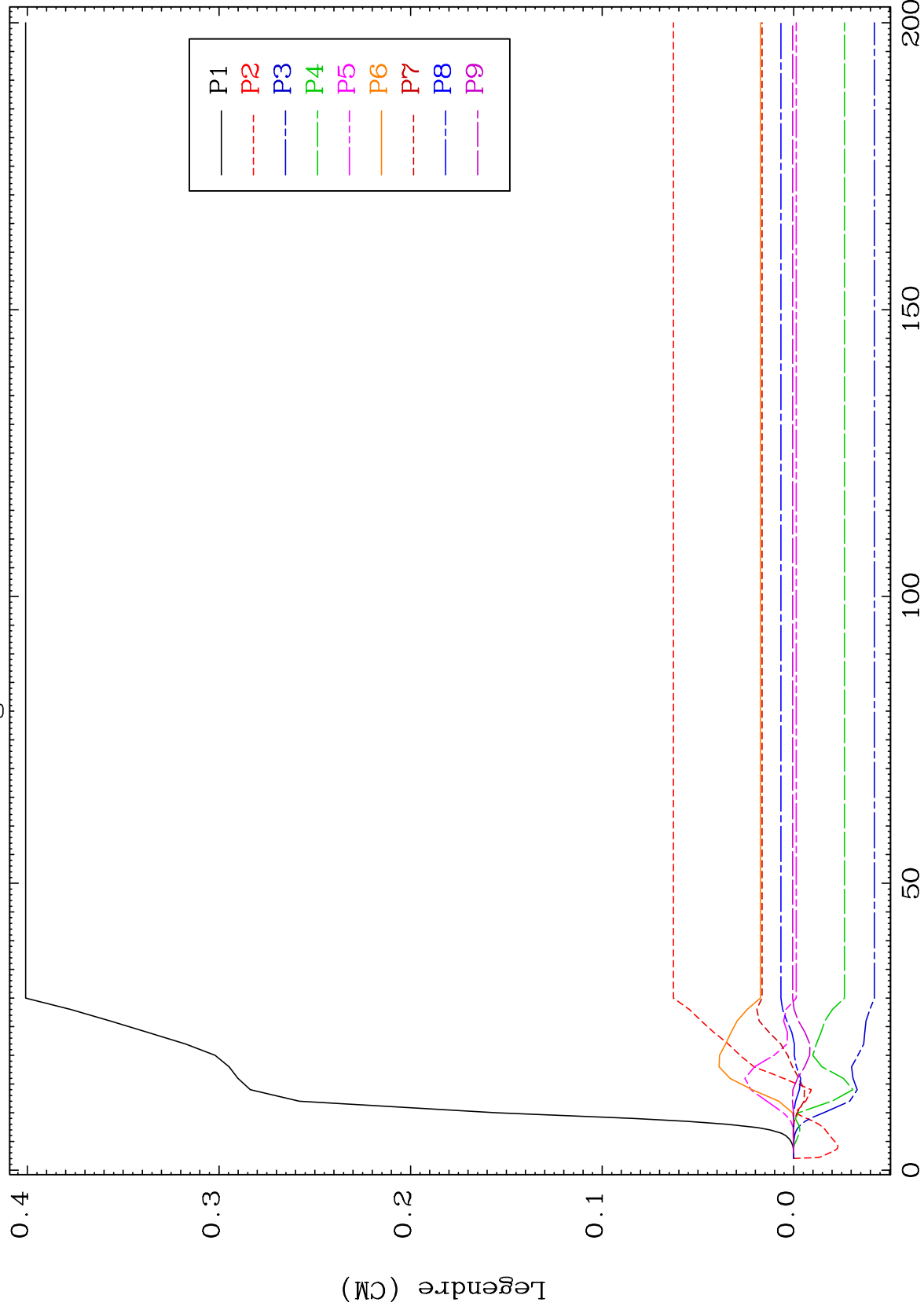
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



44-Ru-97

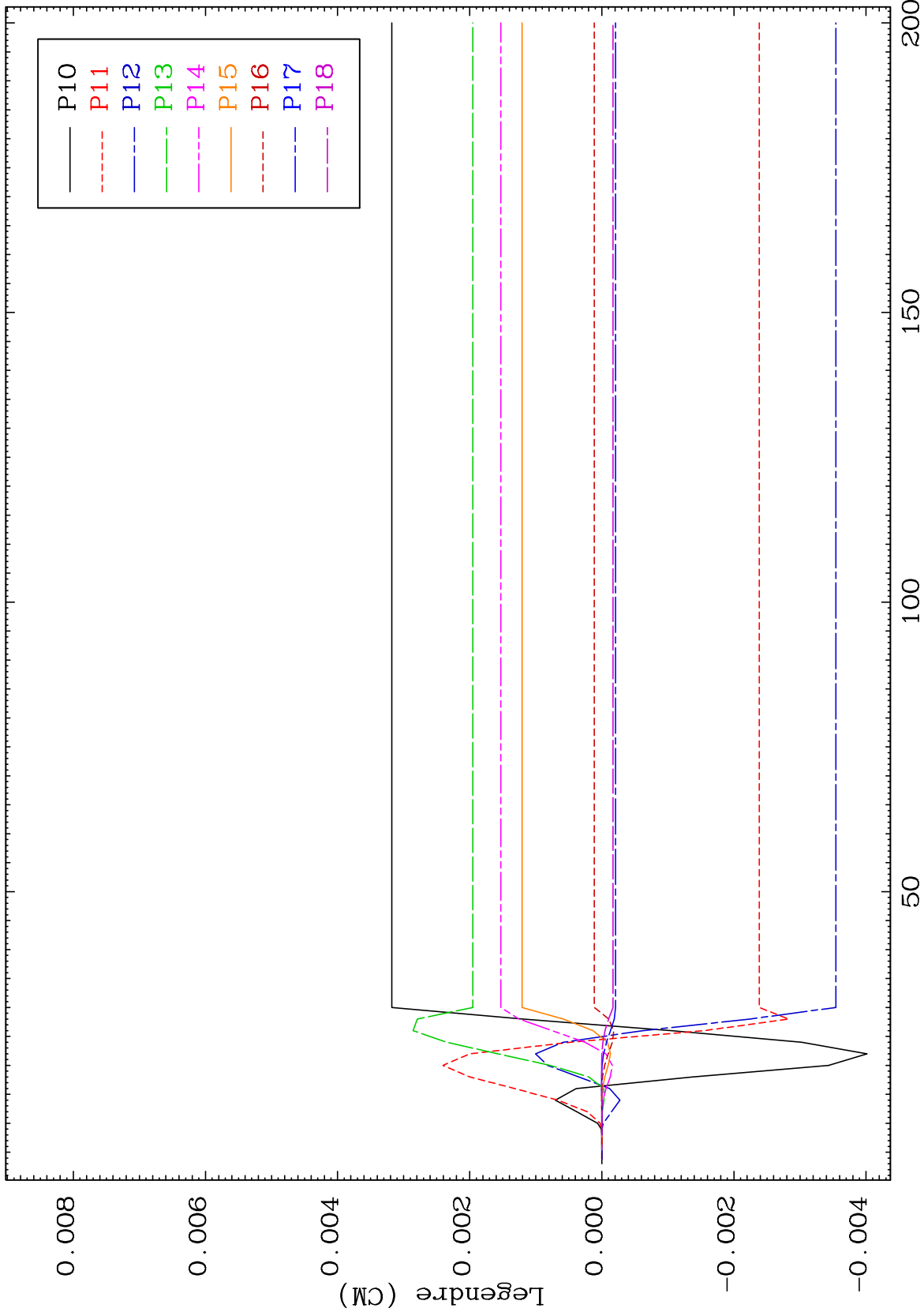
Incident Energy (MeV)

108

MAT 4428

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

44-Ru-97



109

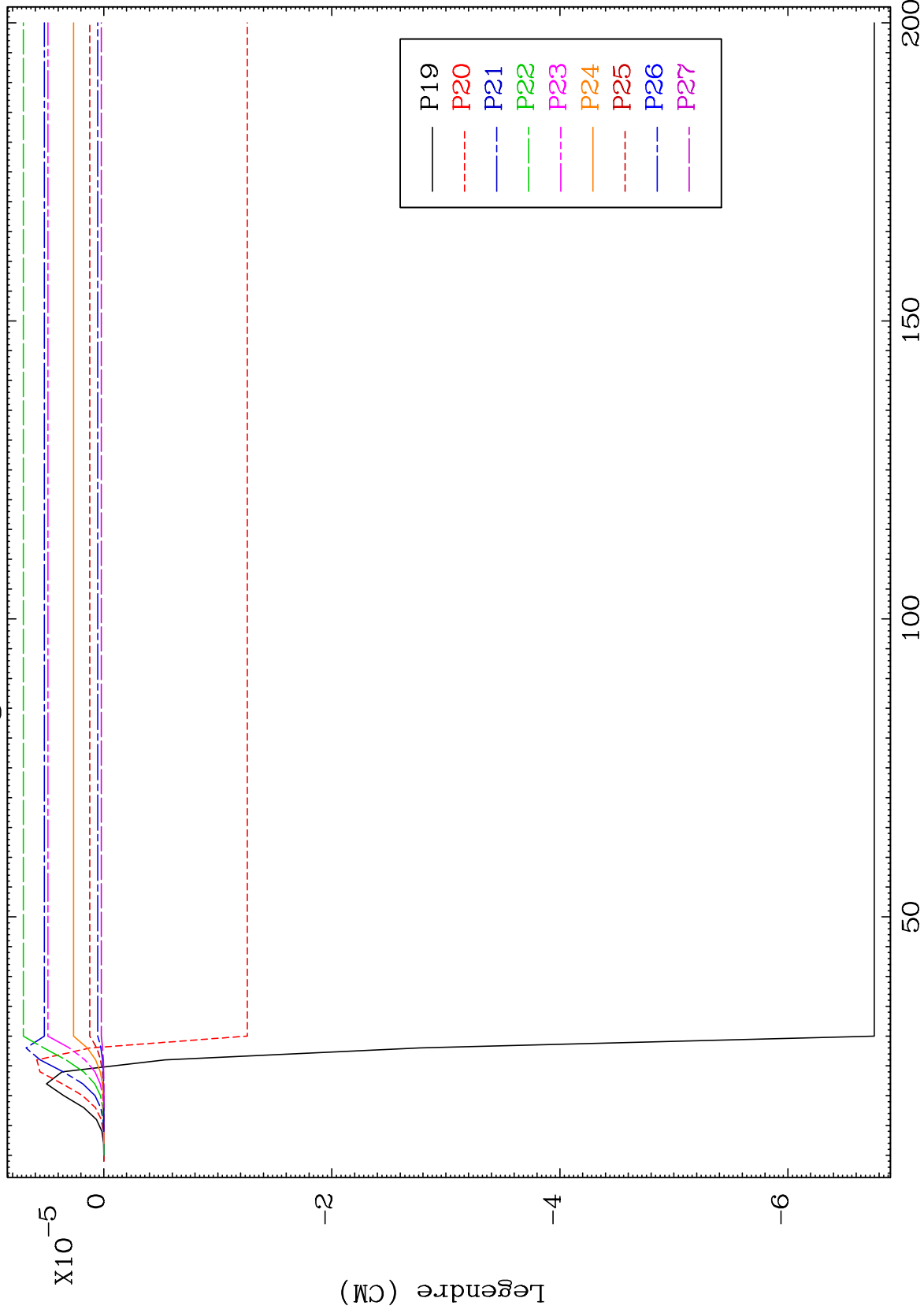
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



110

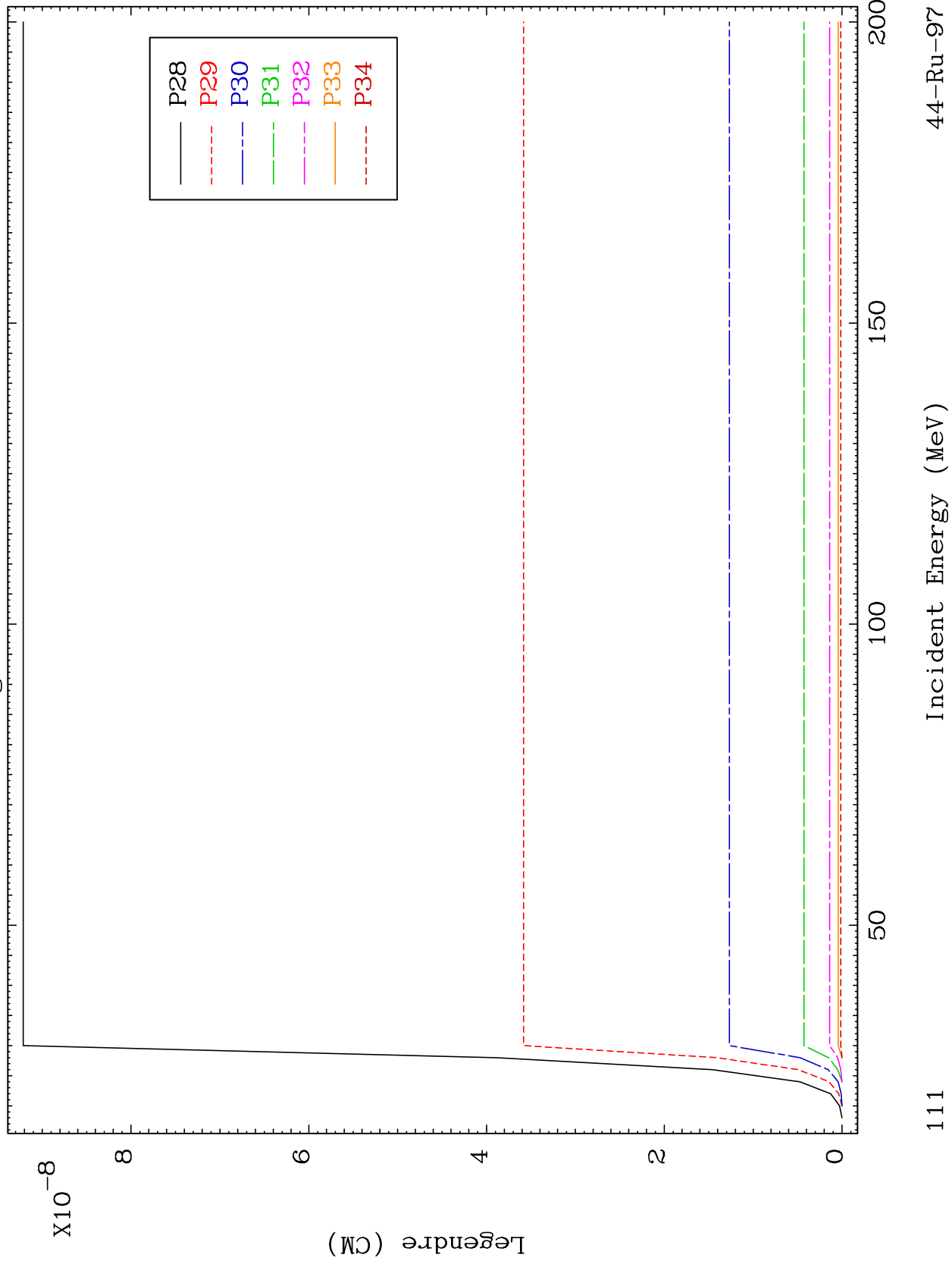
Incident Energy (MeV)

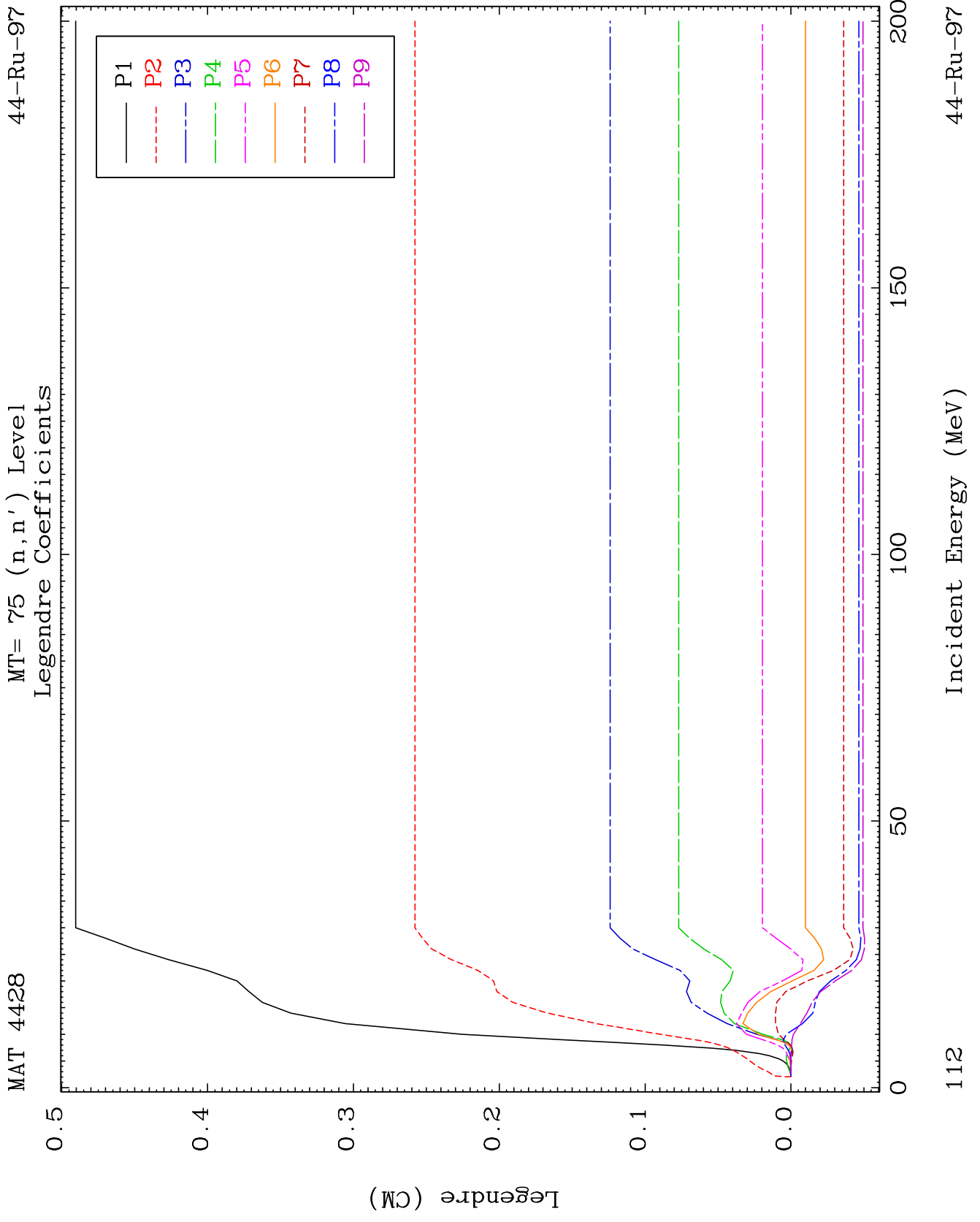
44-Ru-97

MAT 4428

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

44-Ru-97

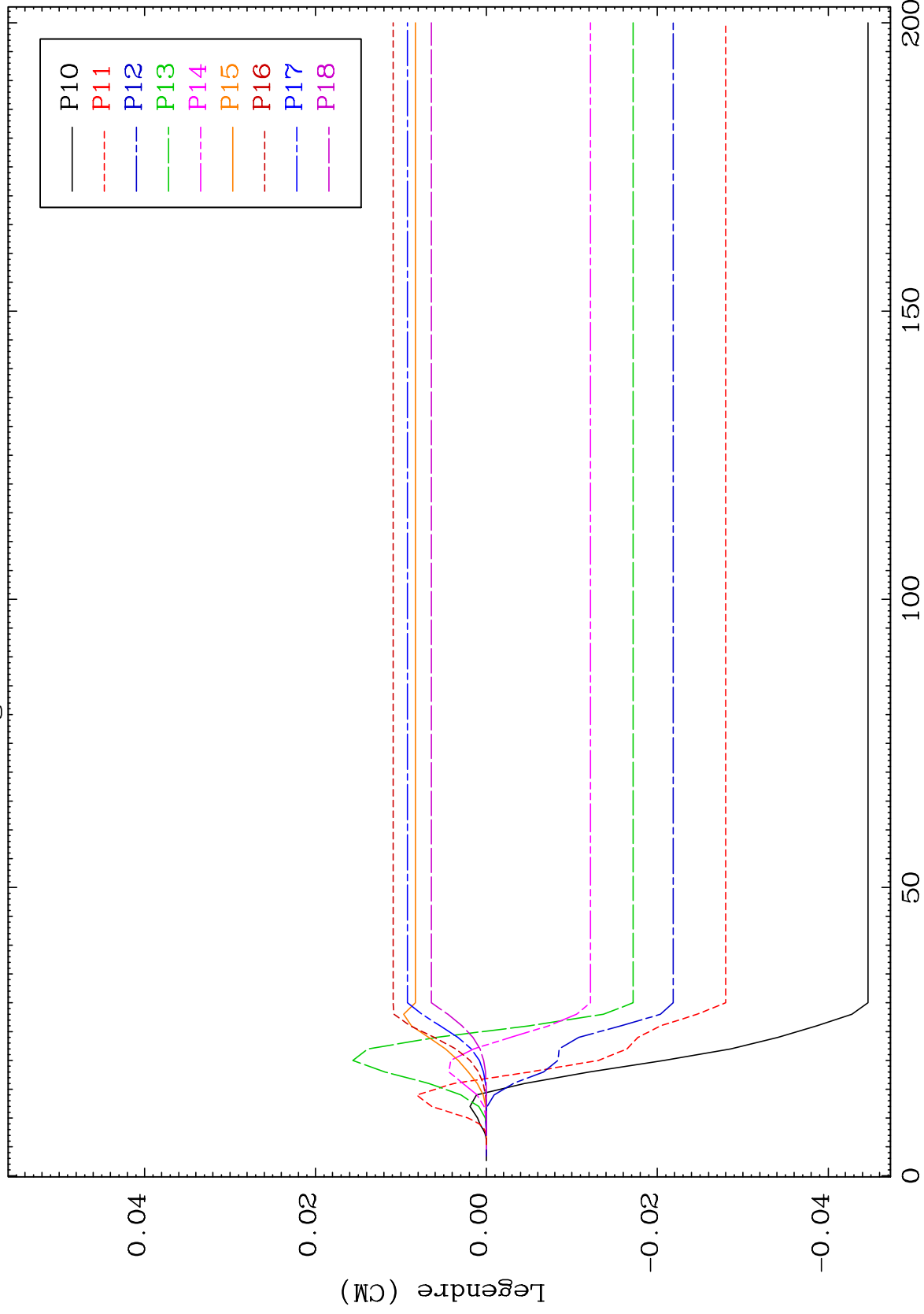




MAT 4428

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

44-Ru-97



113

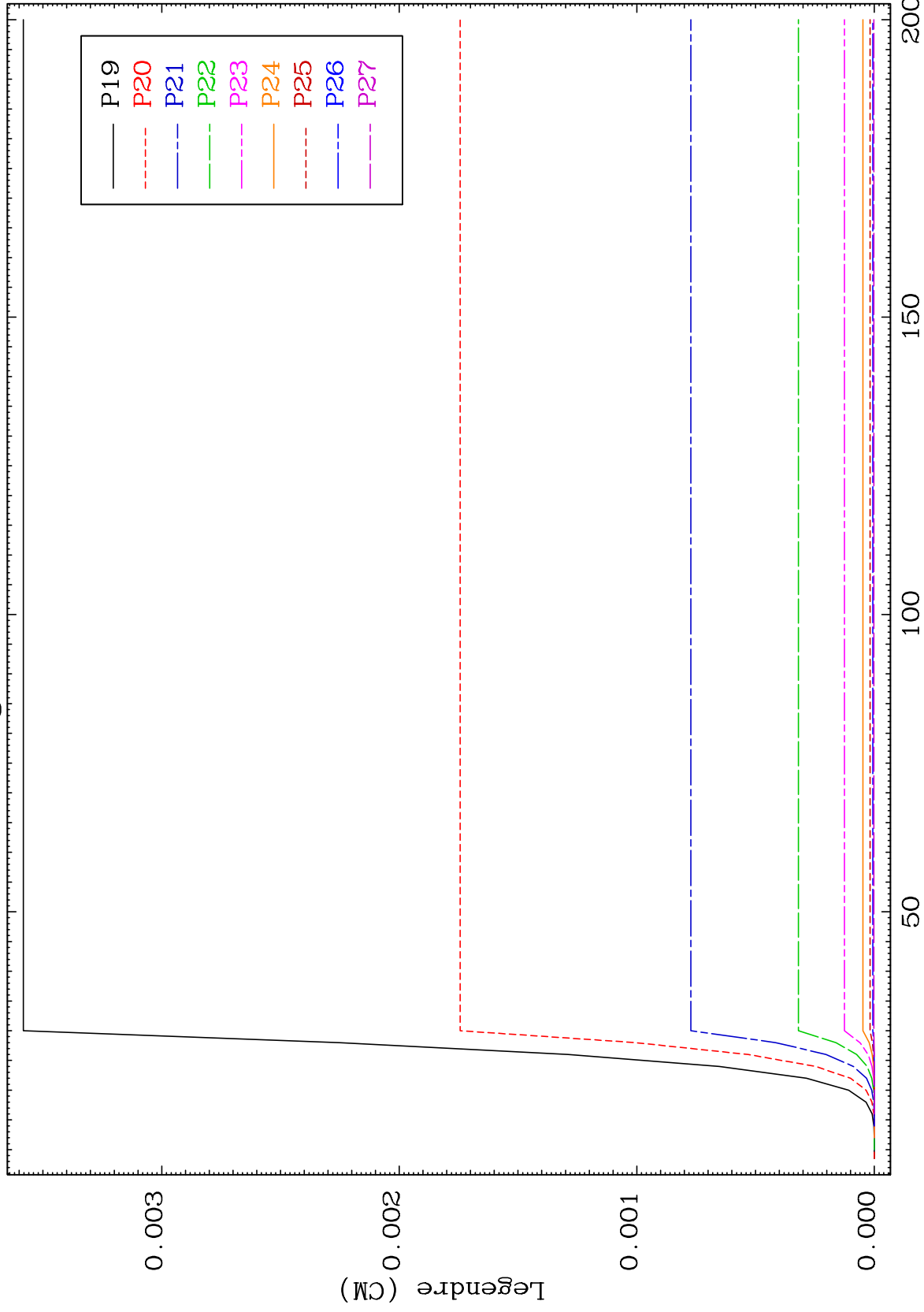
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



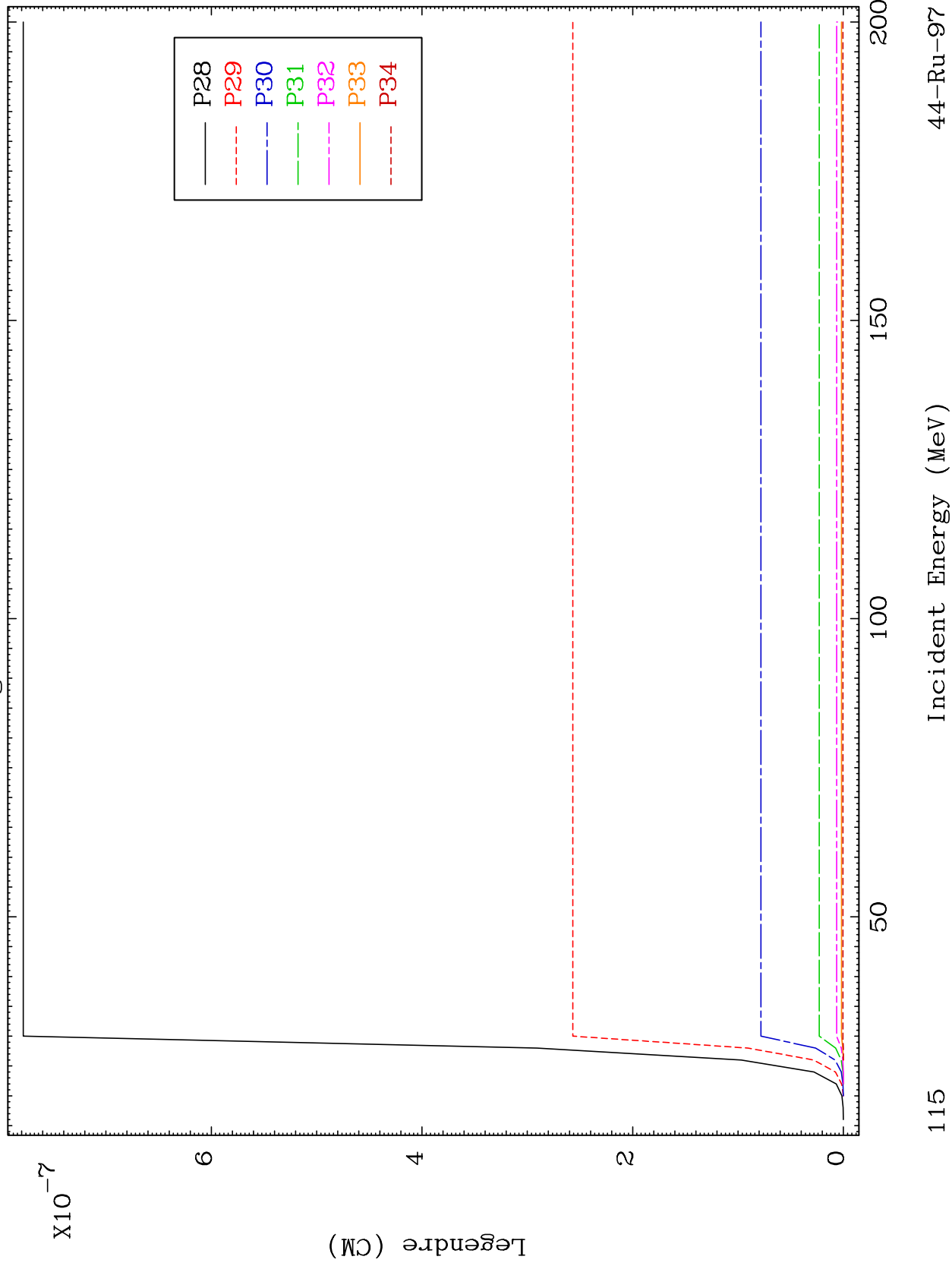
114

44-Ru-97

MAT 4428

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

44-Ru-97



44-Ru-97

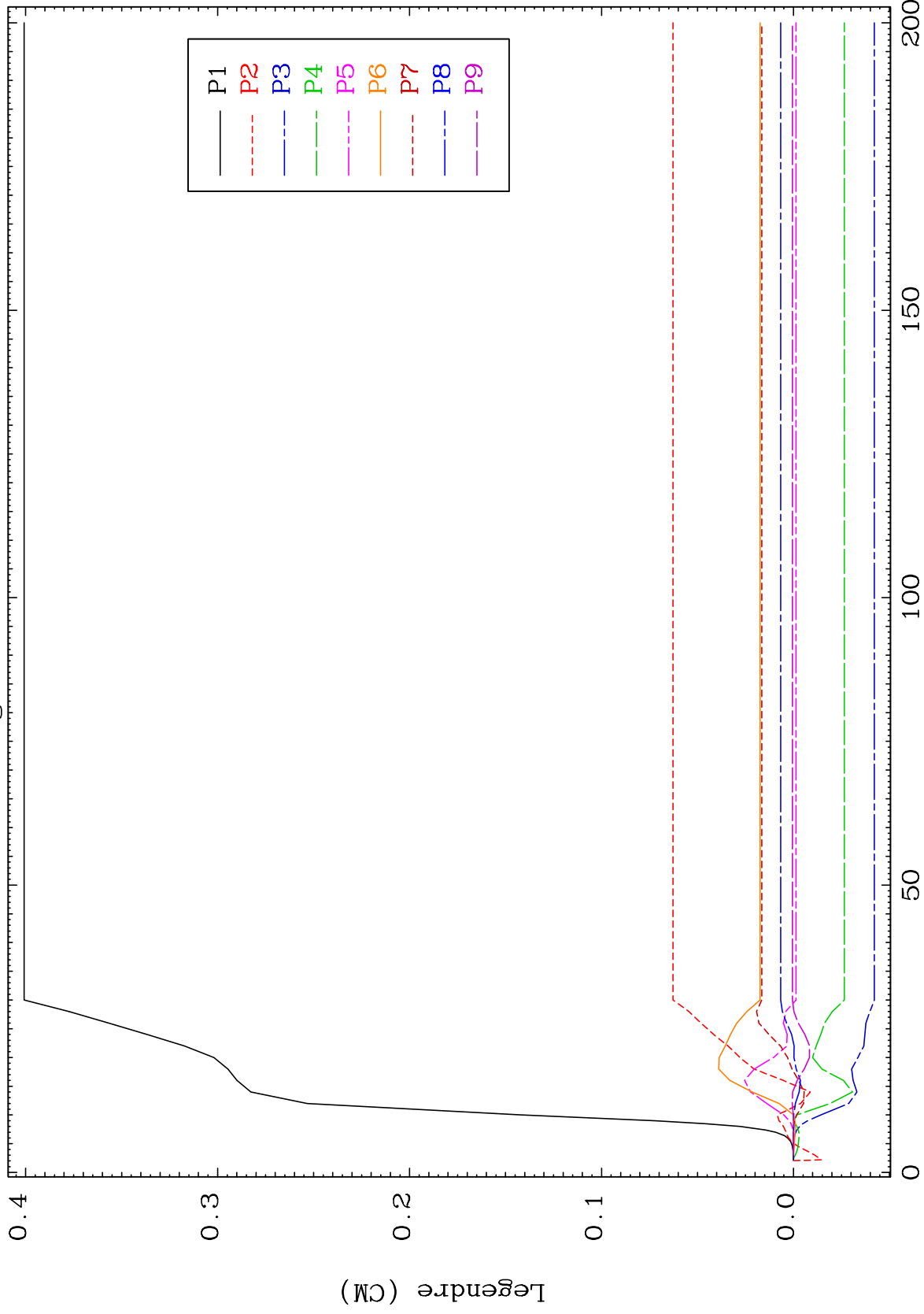
Incident Energy (MeV)

115

MAT 4428

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

44-Ru-97



116

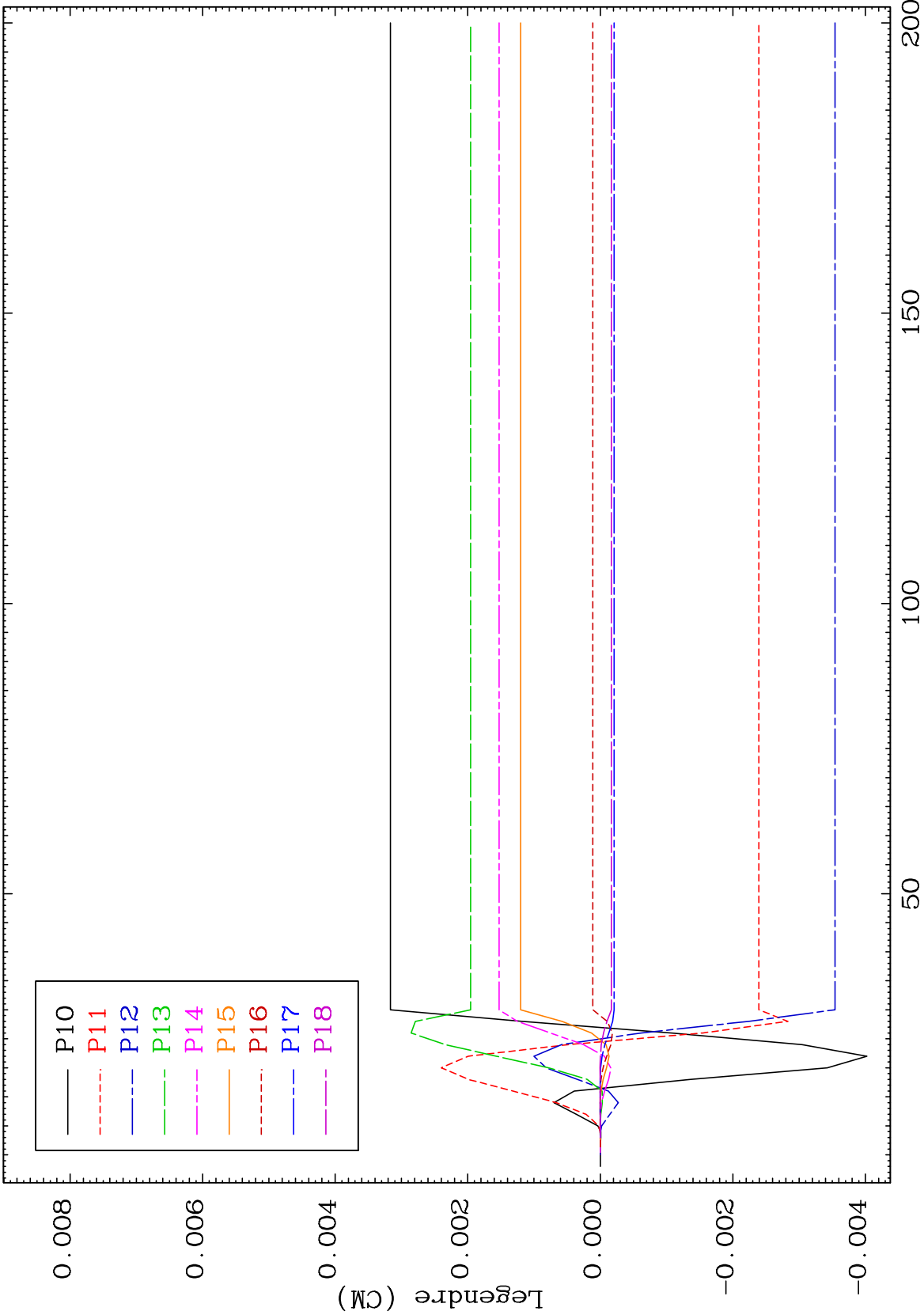
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



117

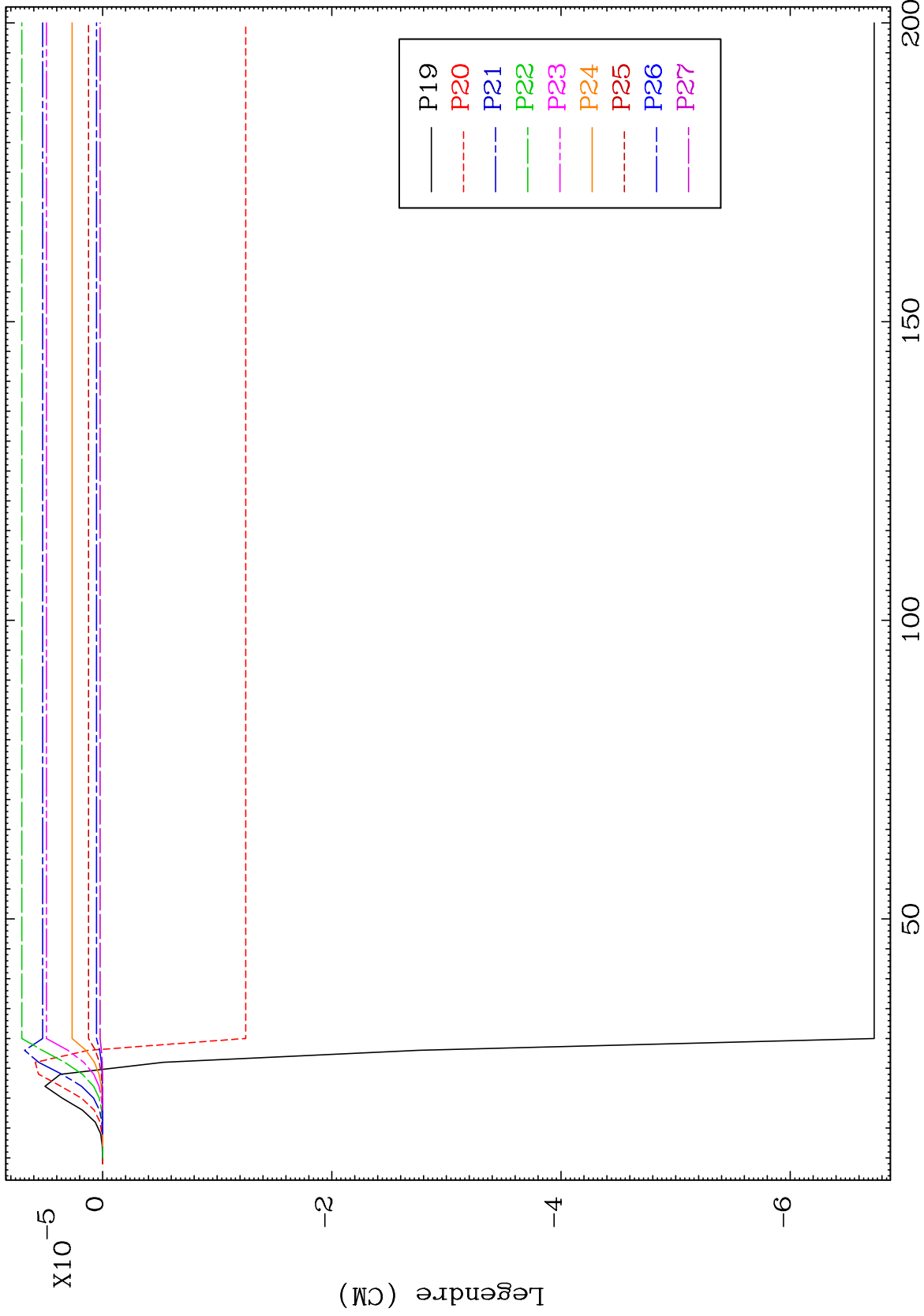
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



118

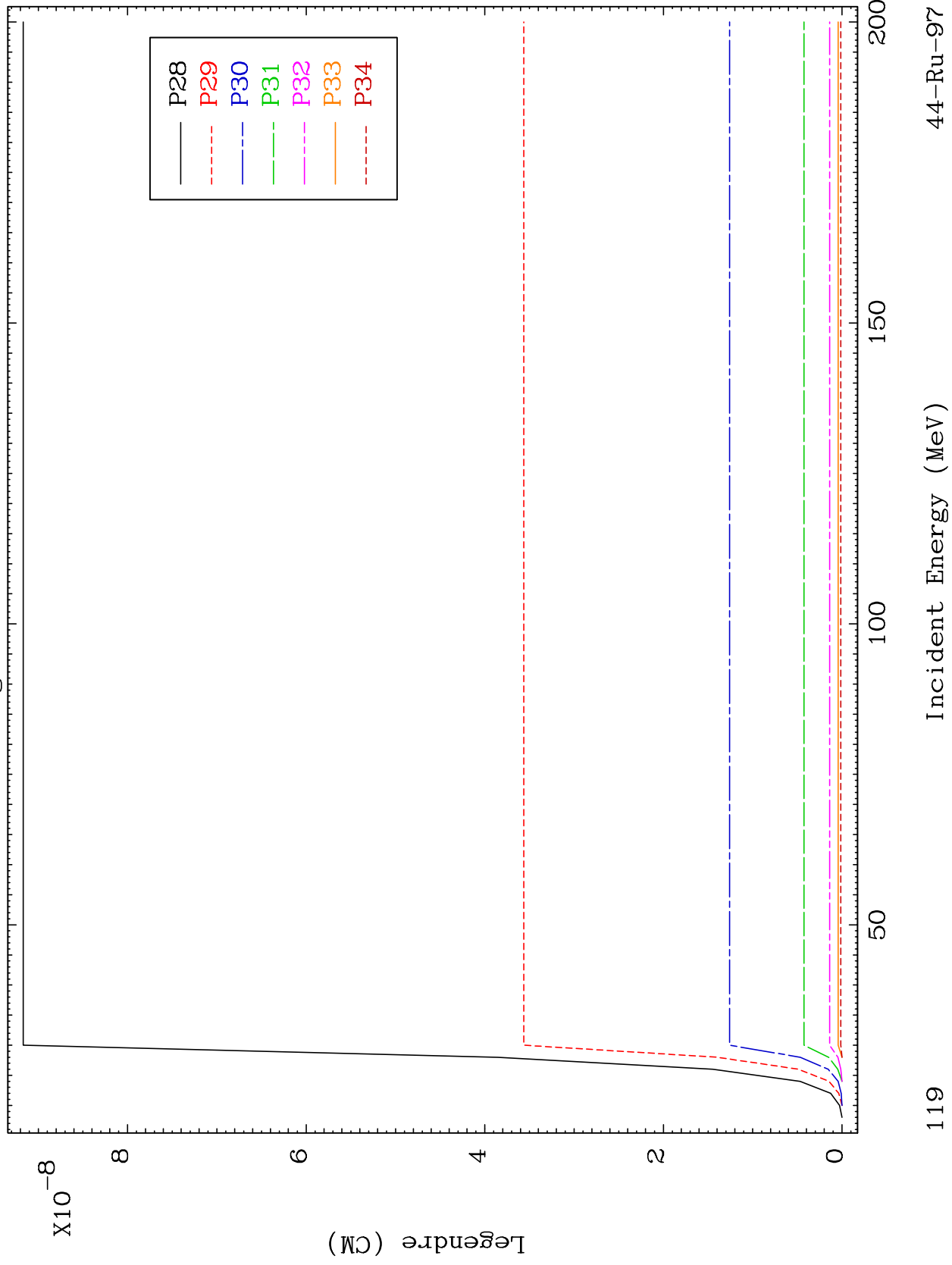
Incident Energy (MeV)

44-Ru-97

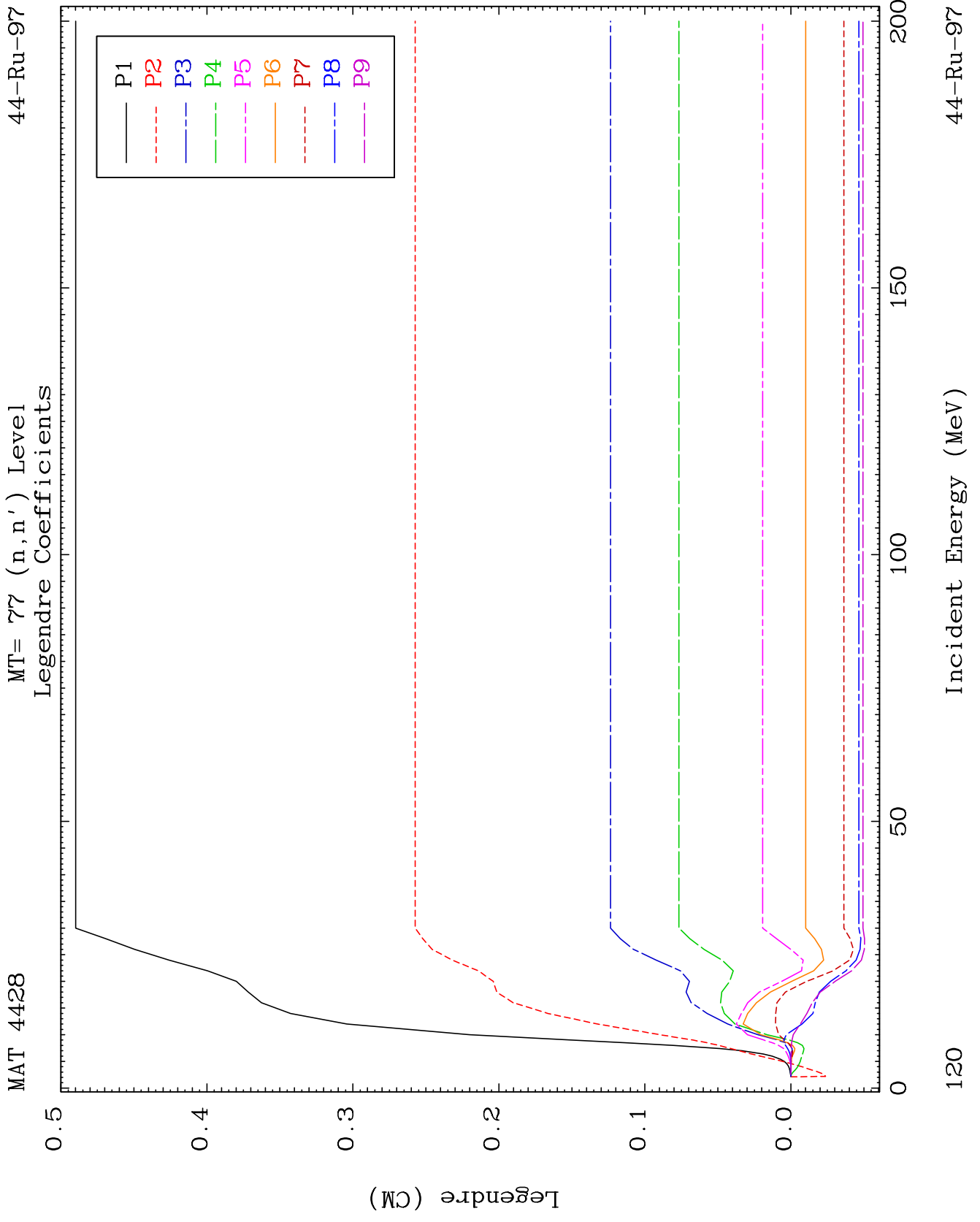
MAT 4428

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

44-Ru-97



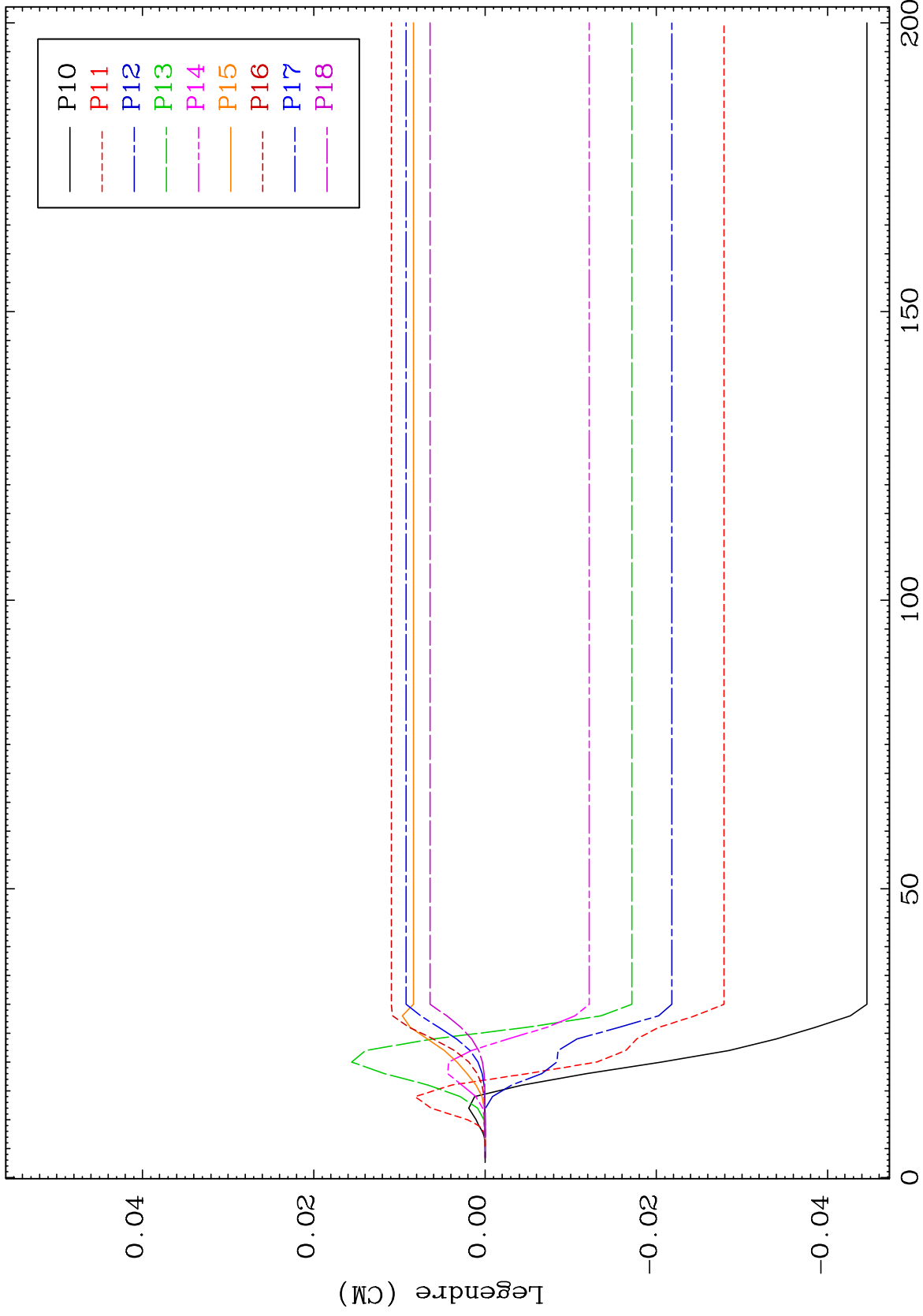
119



MAT 4428

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

44-Ru-97



121

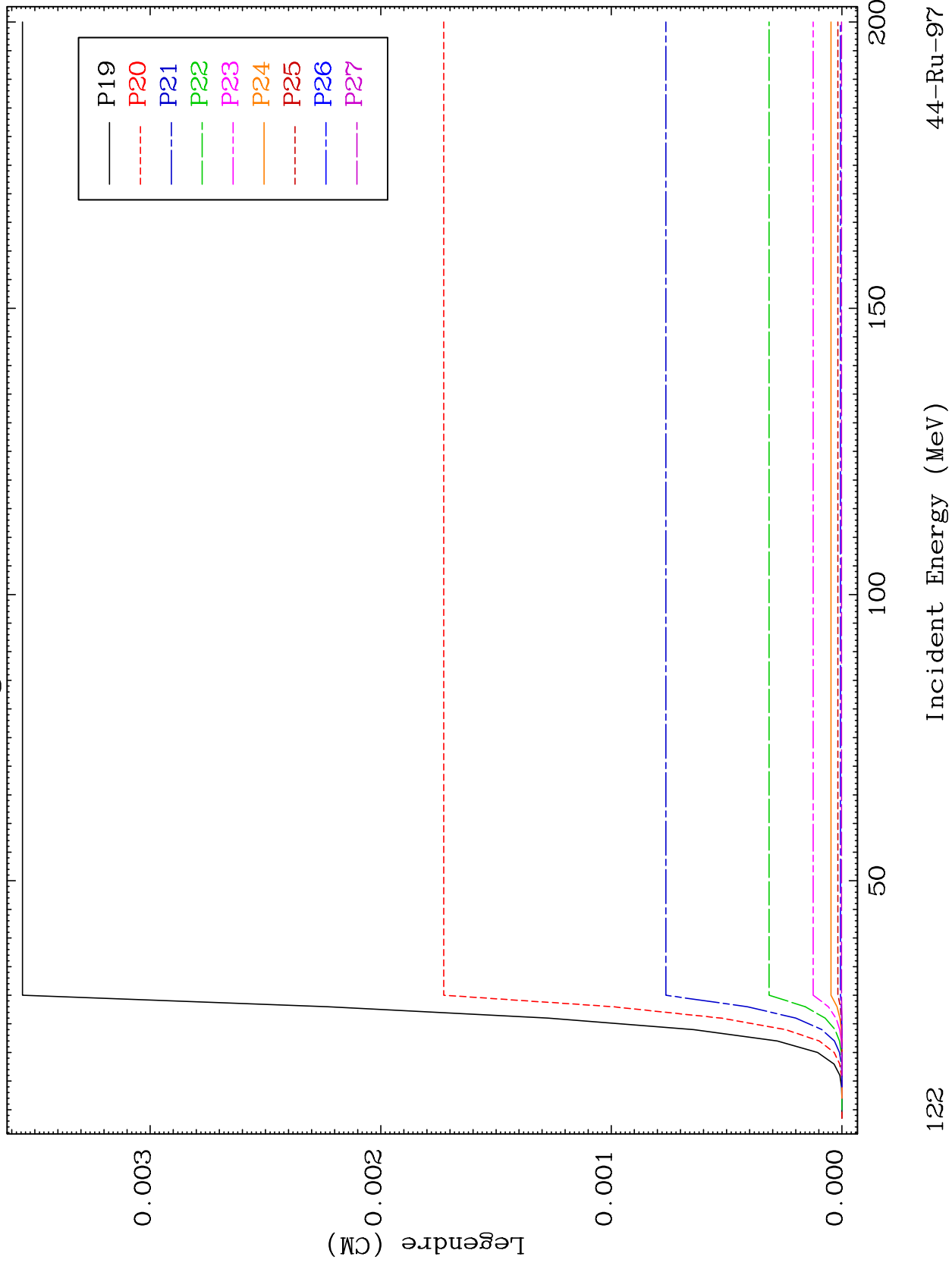
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



122

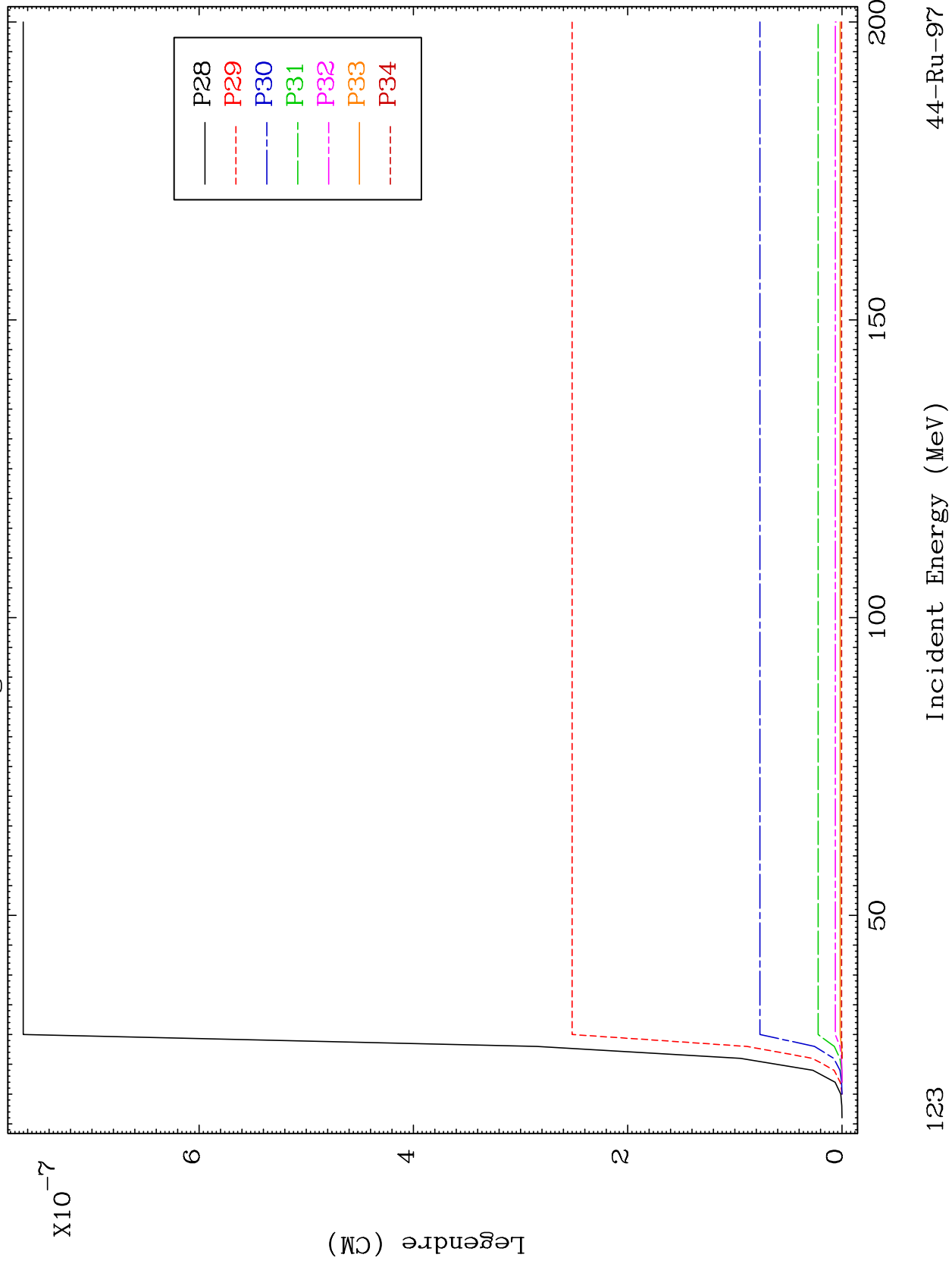
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



123

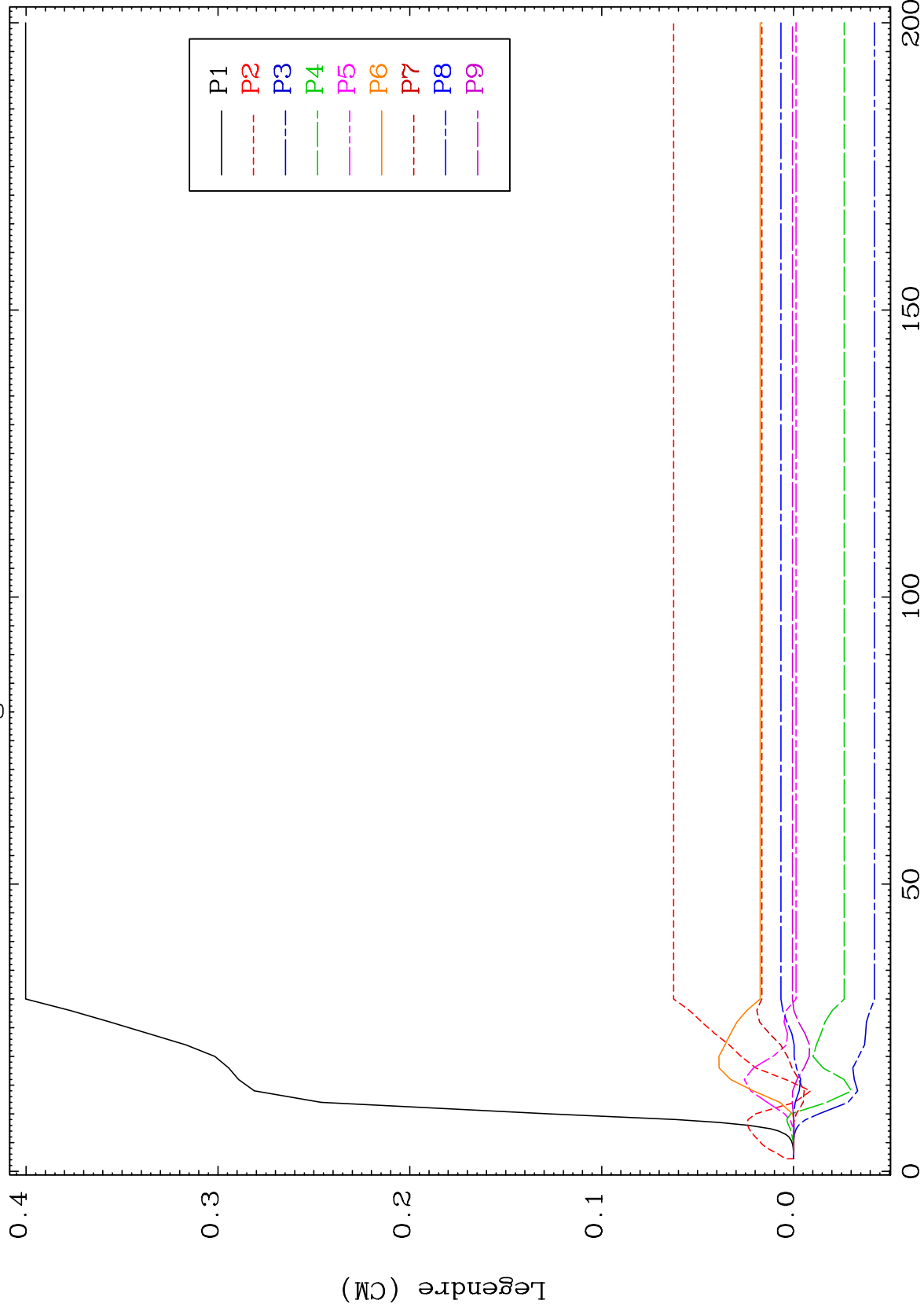
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



124

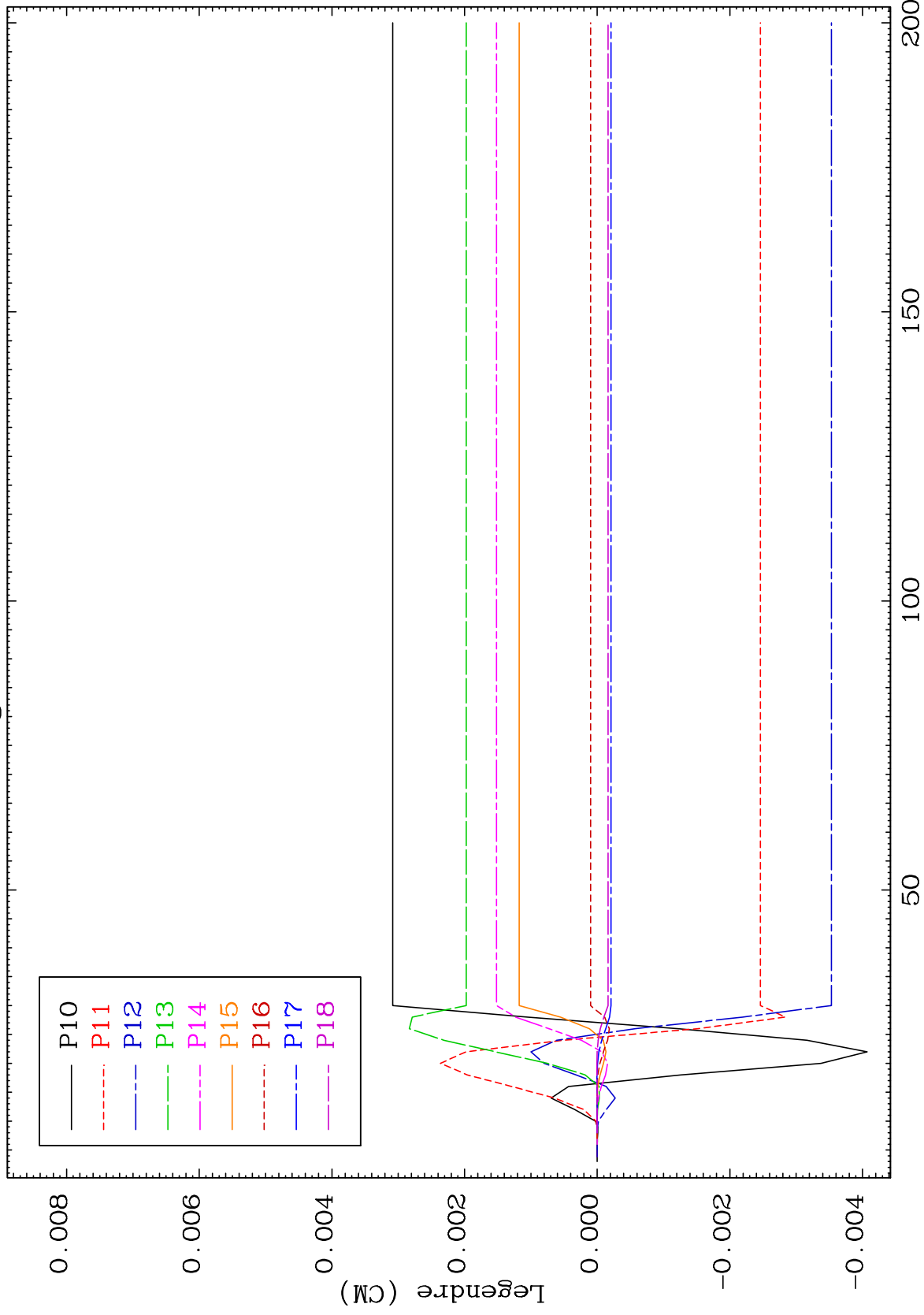
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



125

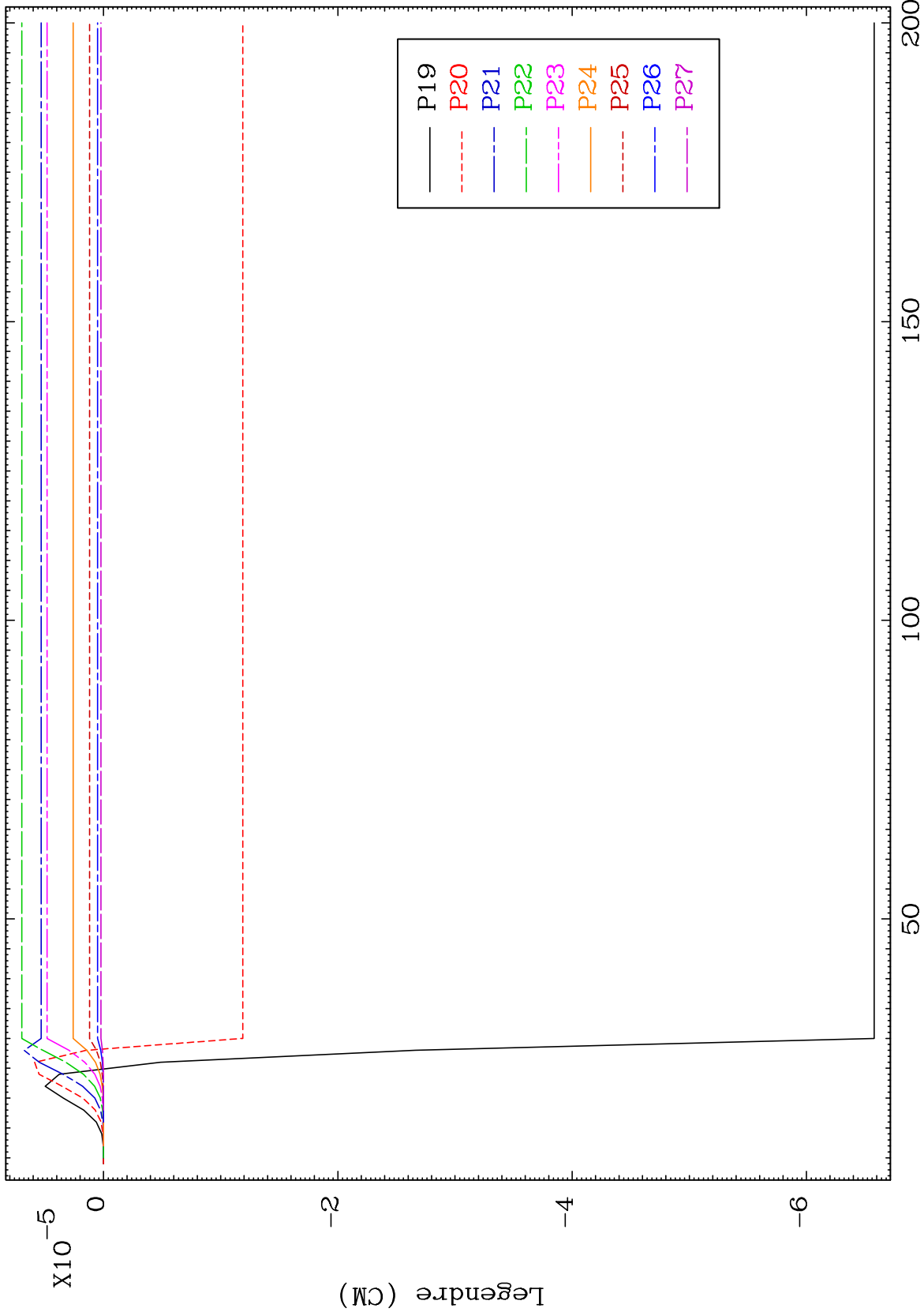
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



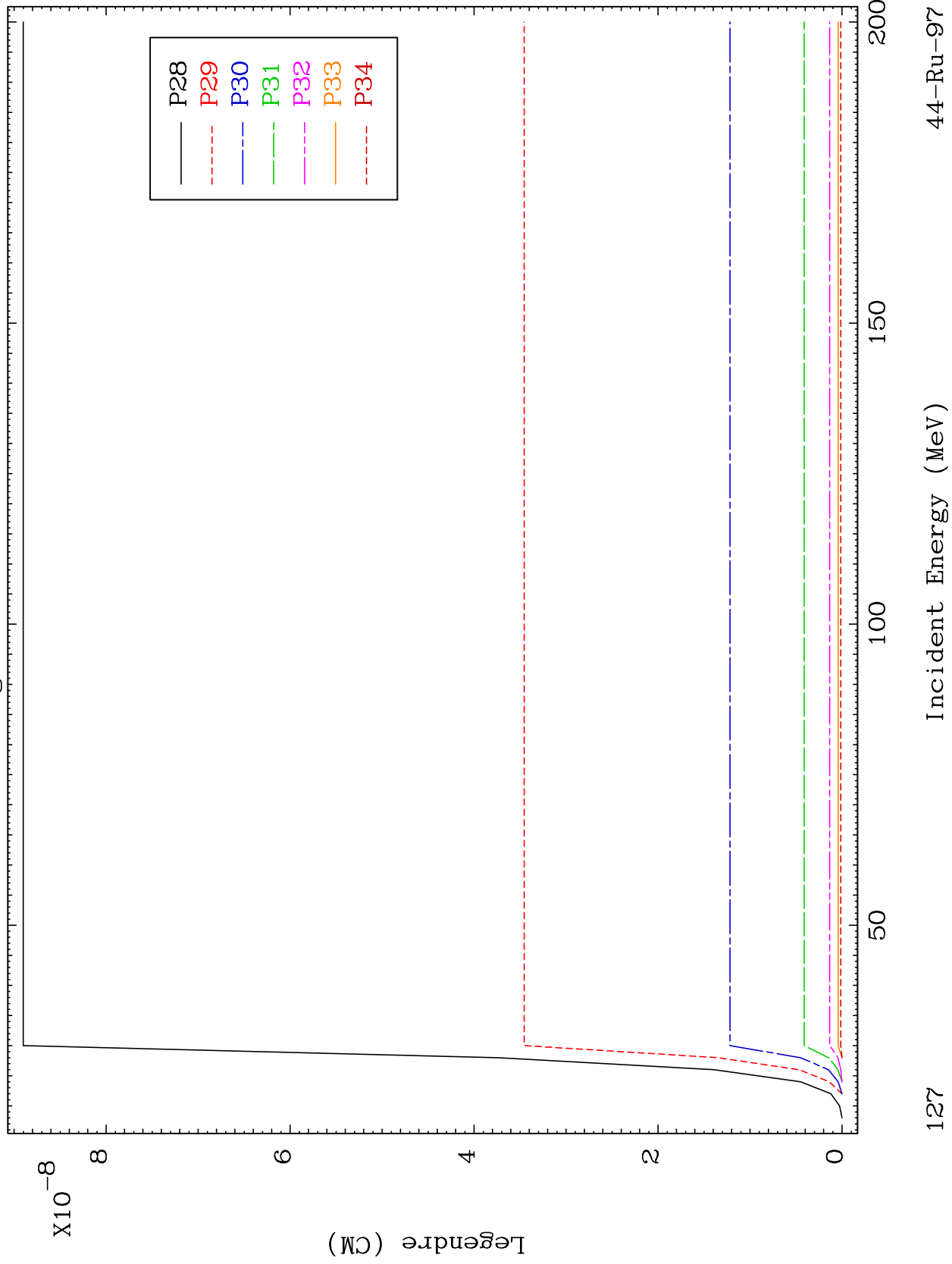
126

44-Ru-97

MAT 4428

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

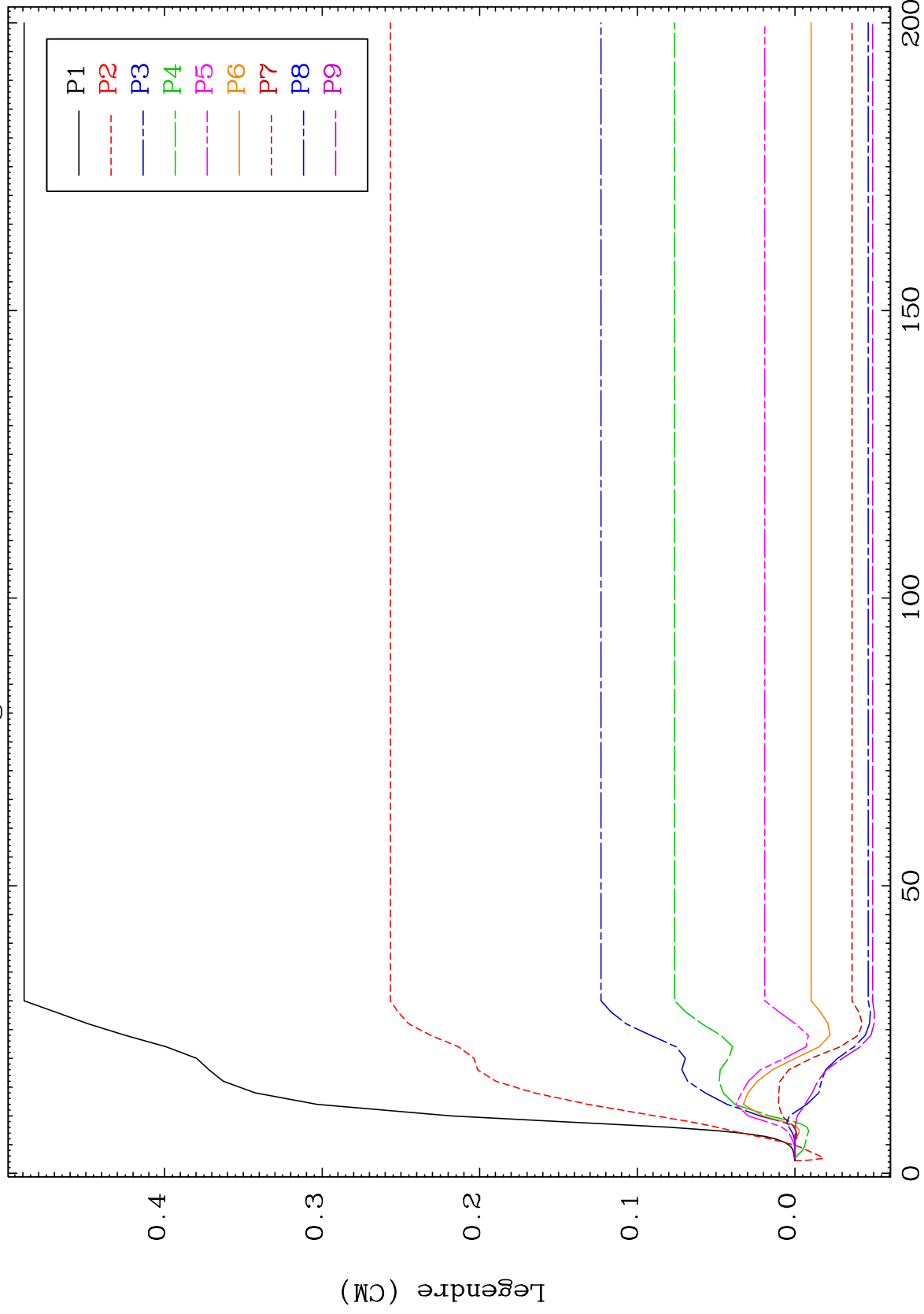
44-Ru-97



MAT 4428

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

44-Ru-97



128

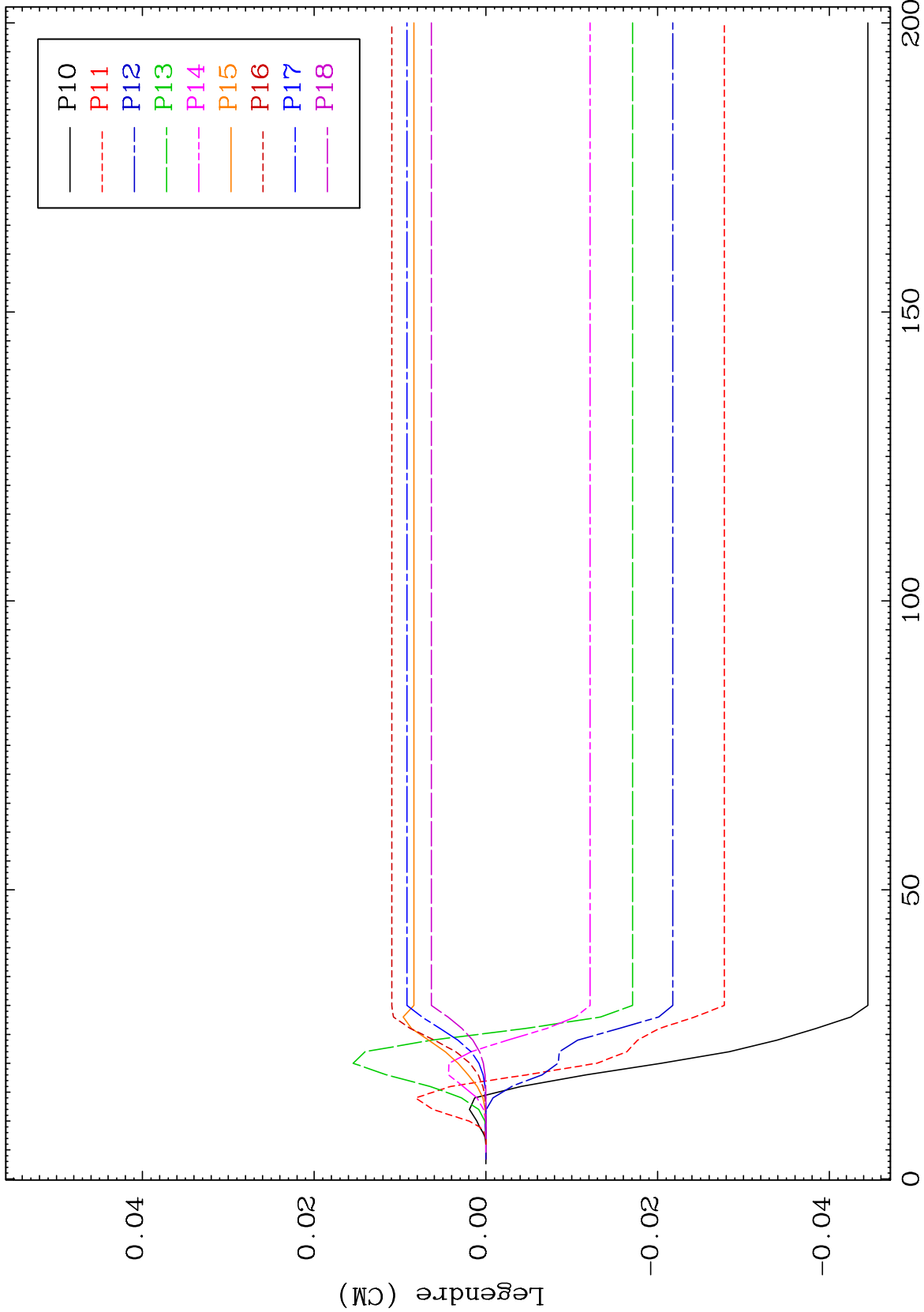
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



129

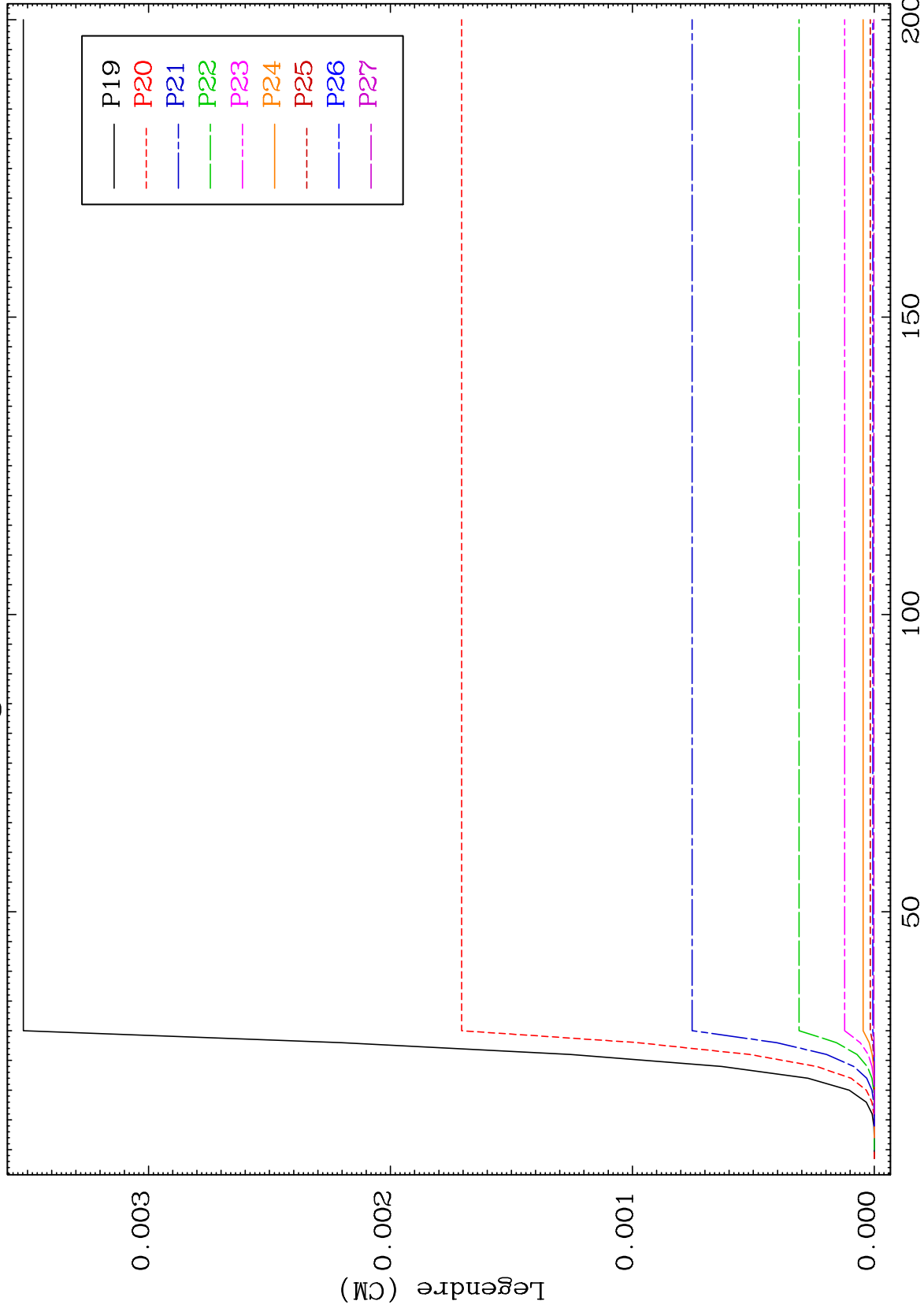
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



130

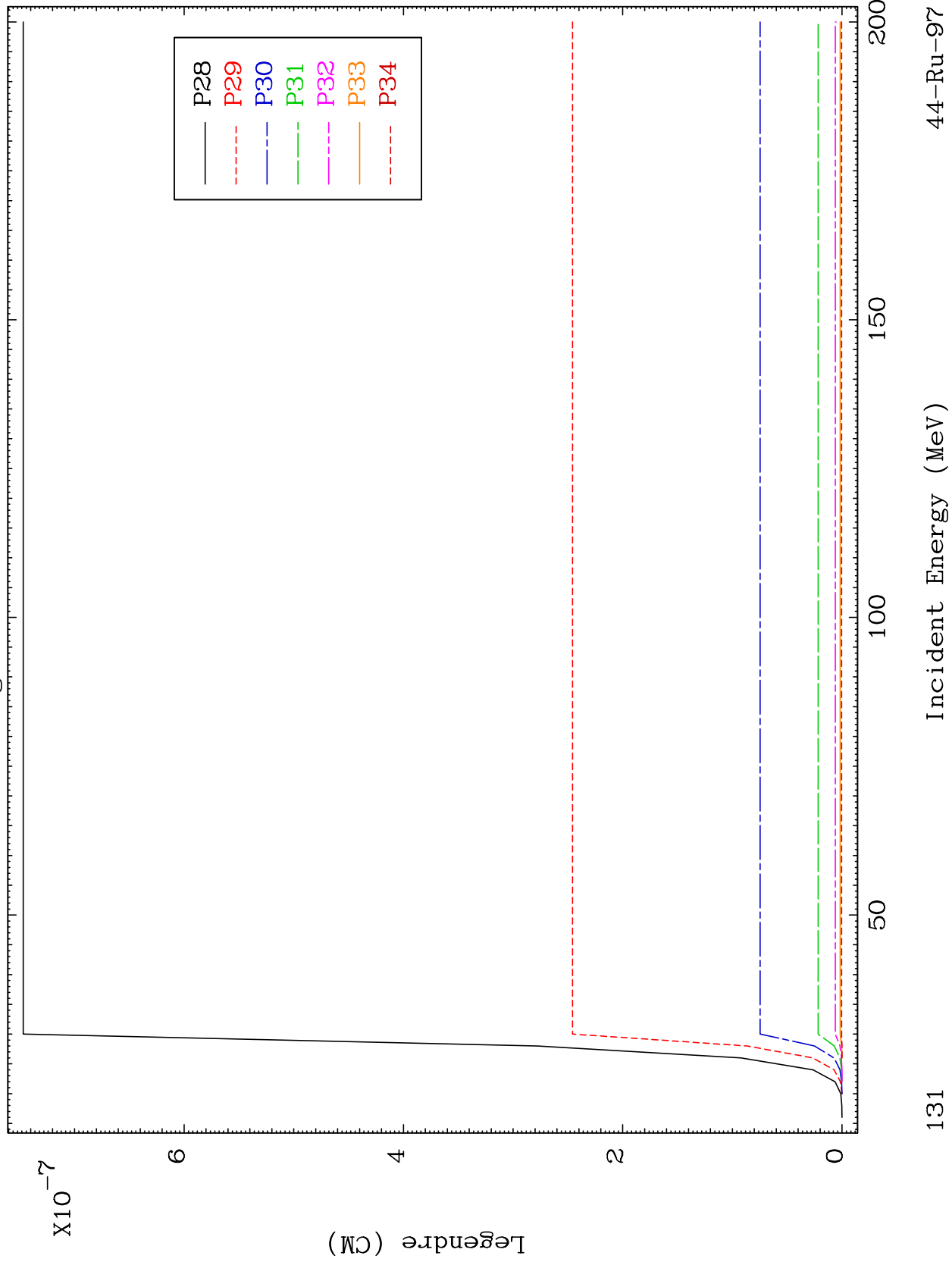
Incident Energy (MeV)

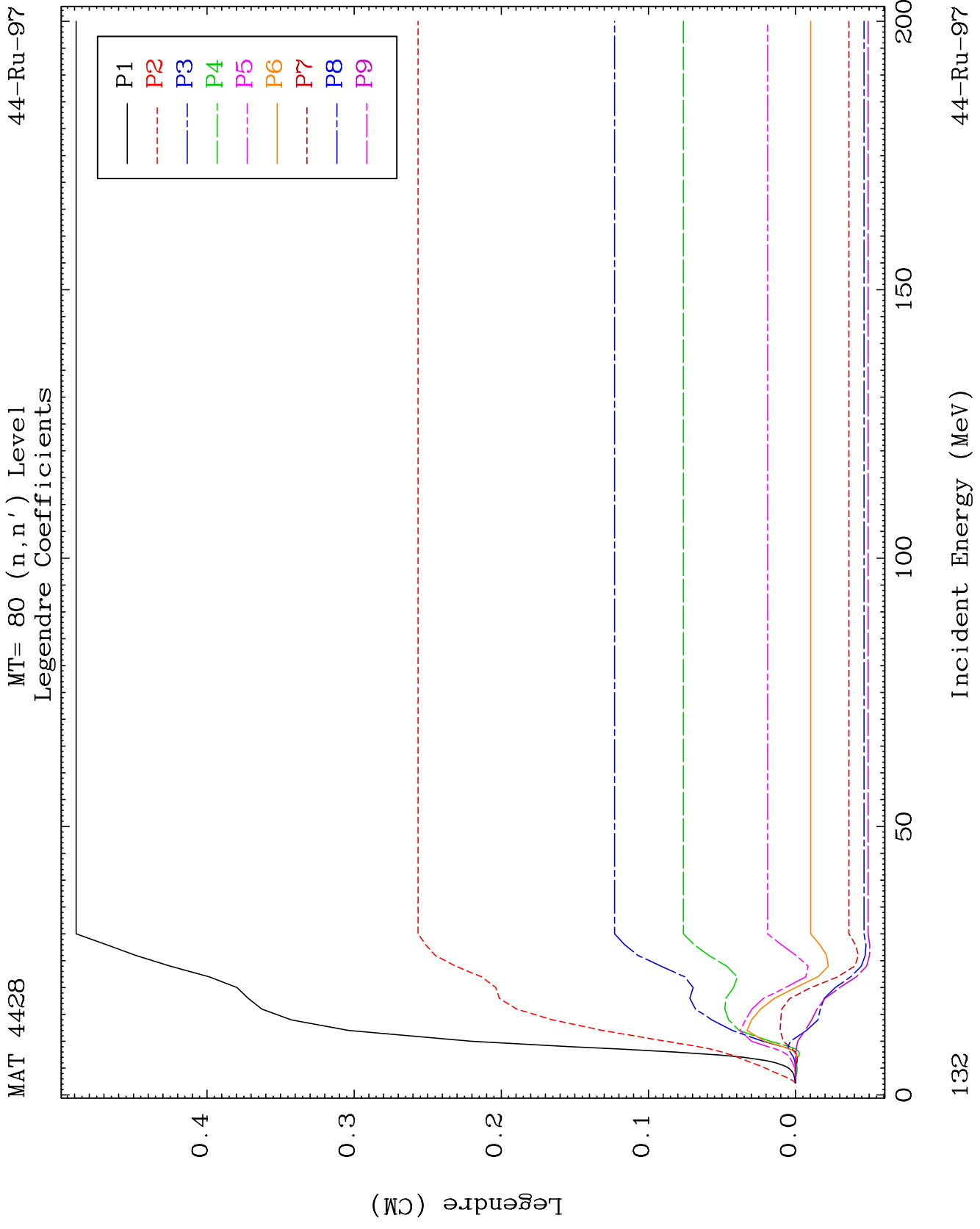
44-Ru-97

MAT 4428

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

44-Ru-97

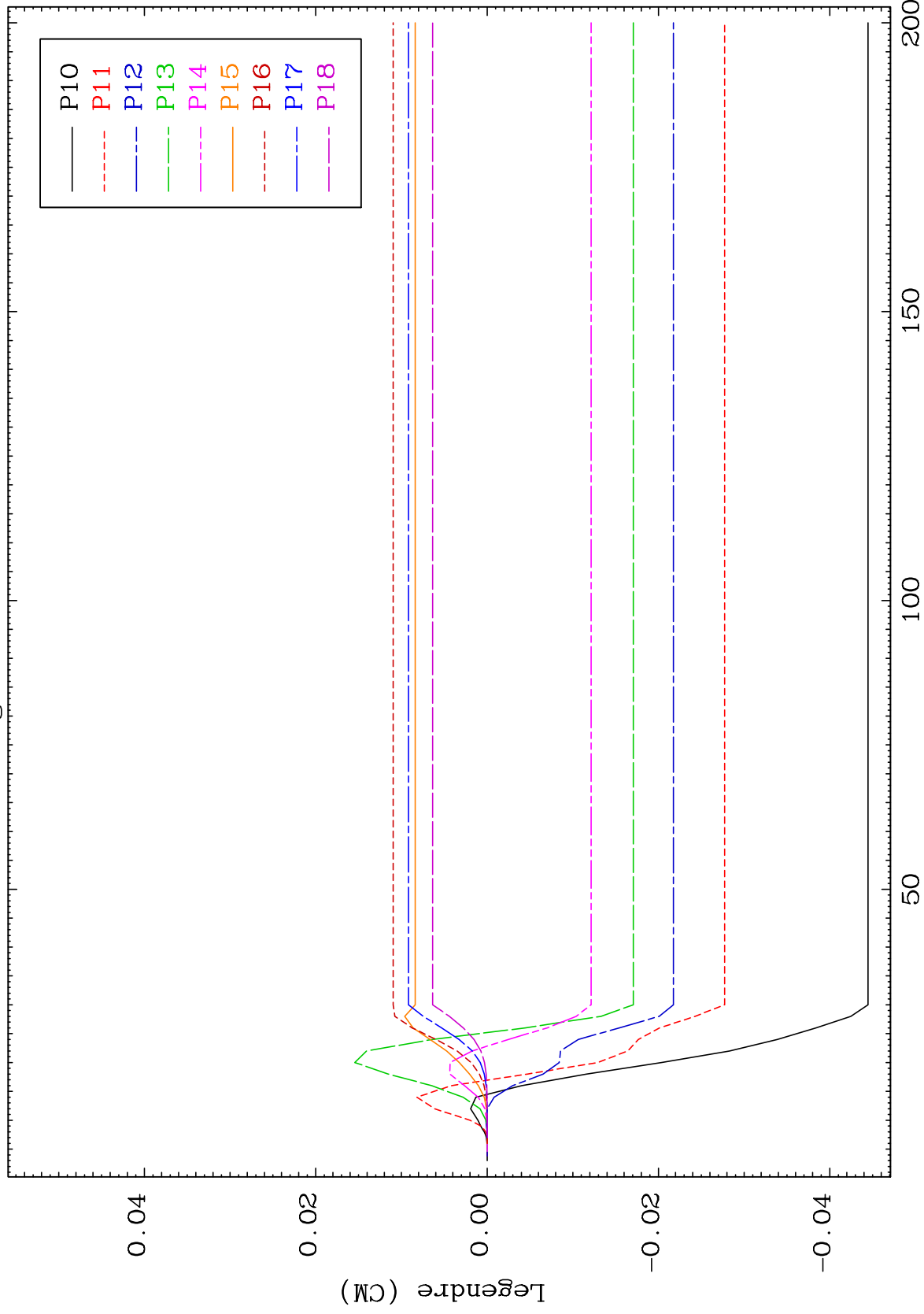




MAT 4428

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

44-Ru-97



133

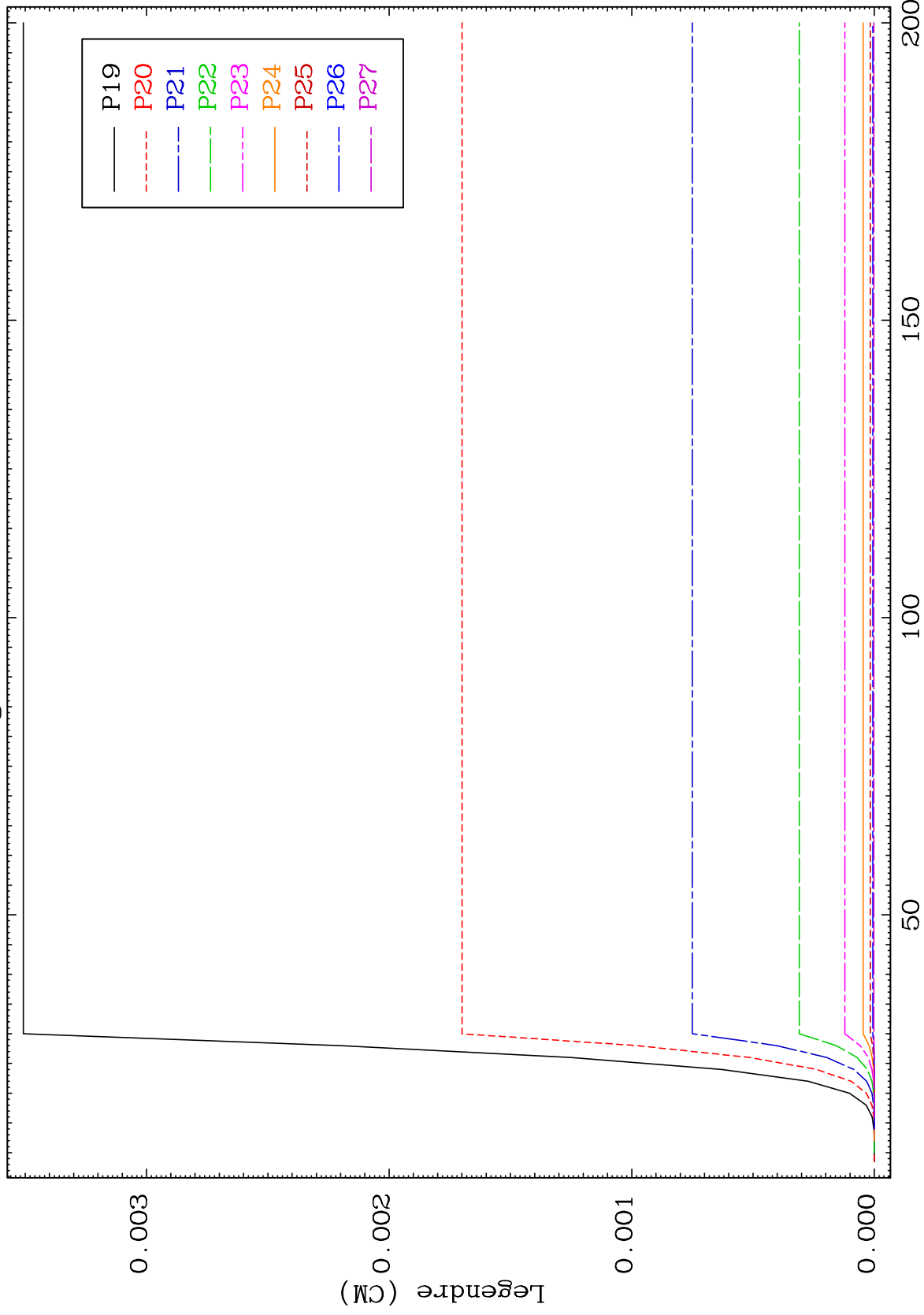
Incident Energy (MeV)

44-Ru-97

MAT 4428

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

44-Ru-97



134

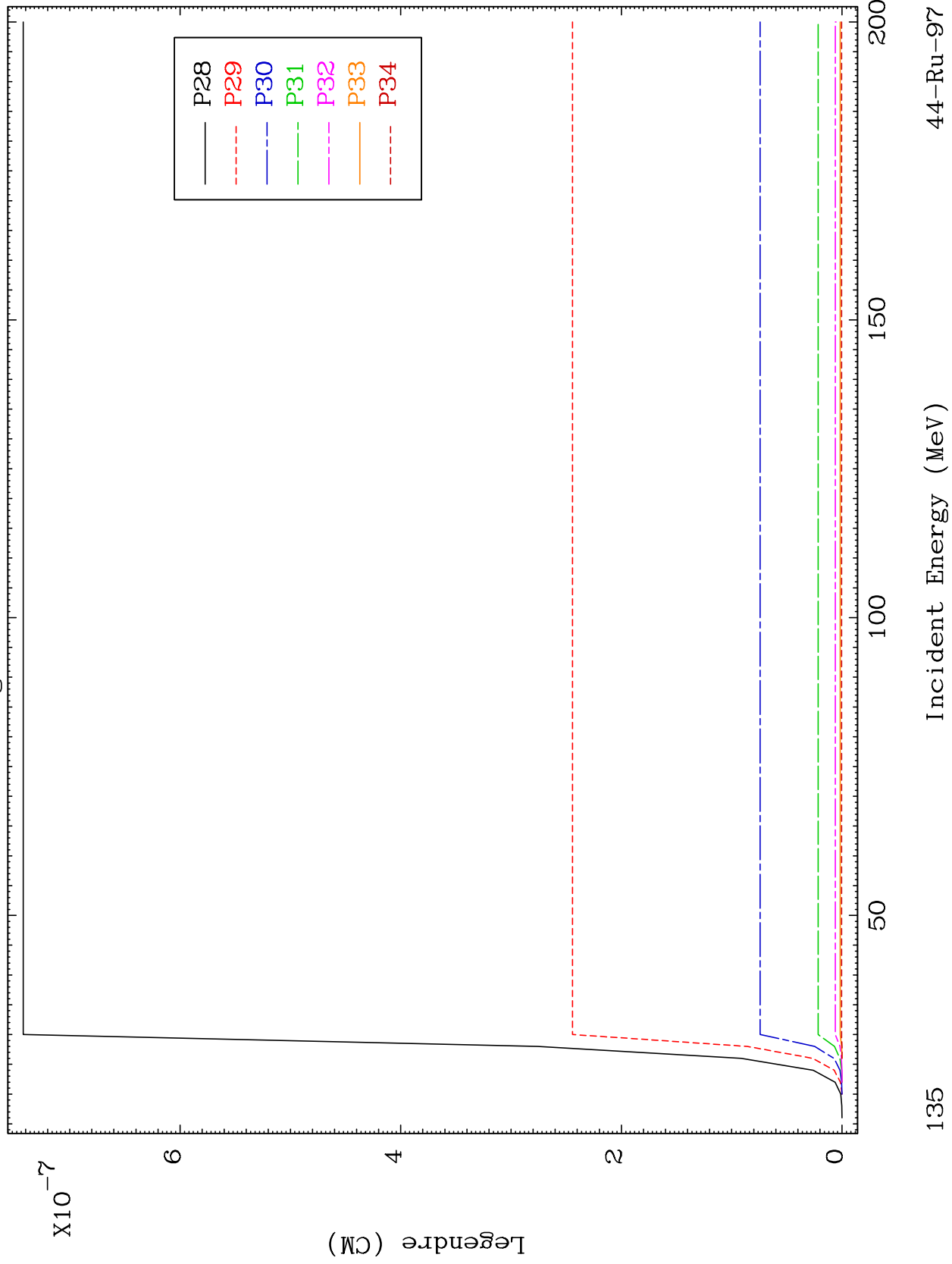
Incident Energy (MeV)

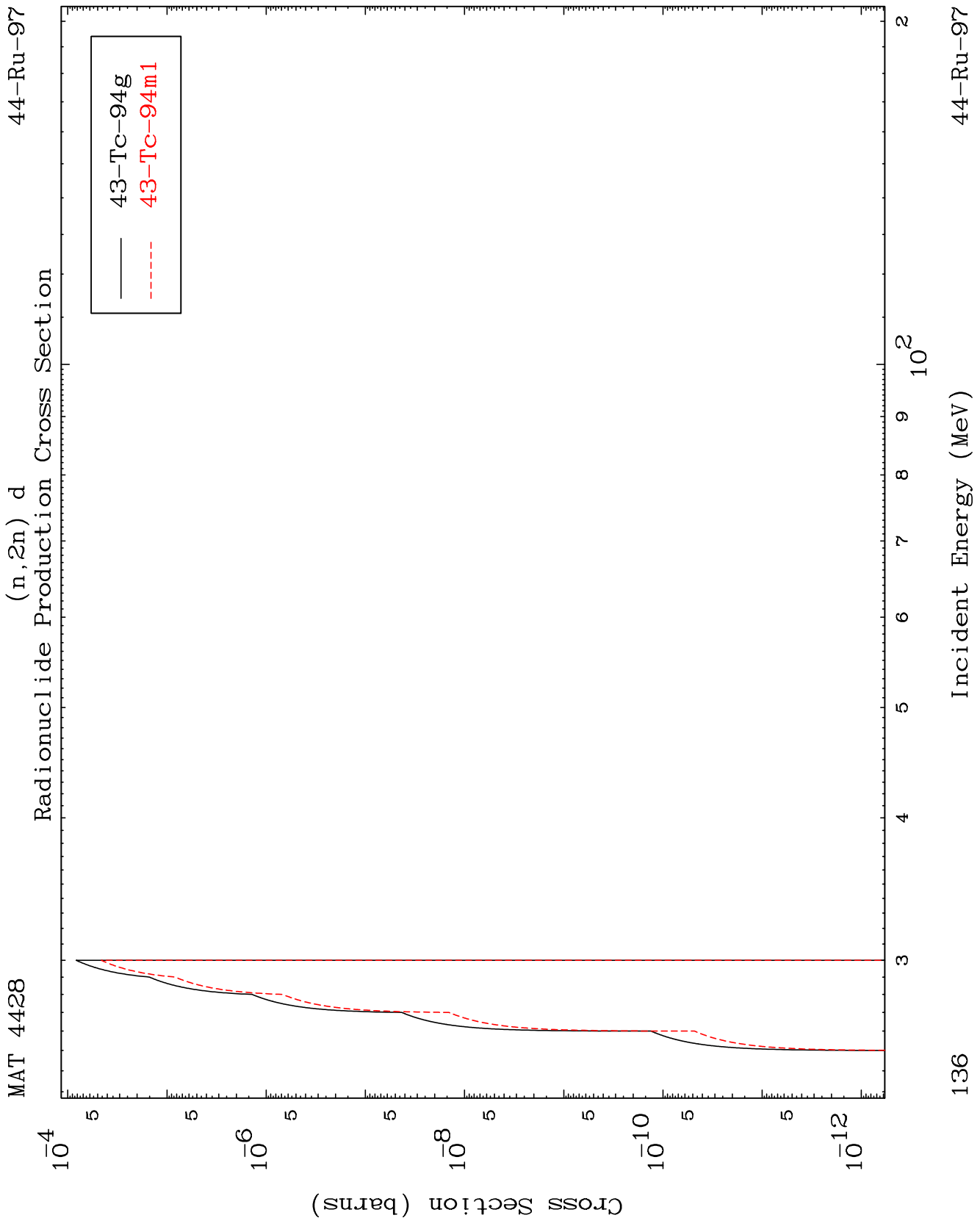
44-Ru-97

MAT 4428

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

44-Ru-97



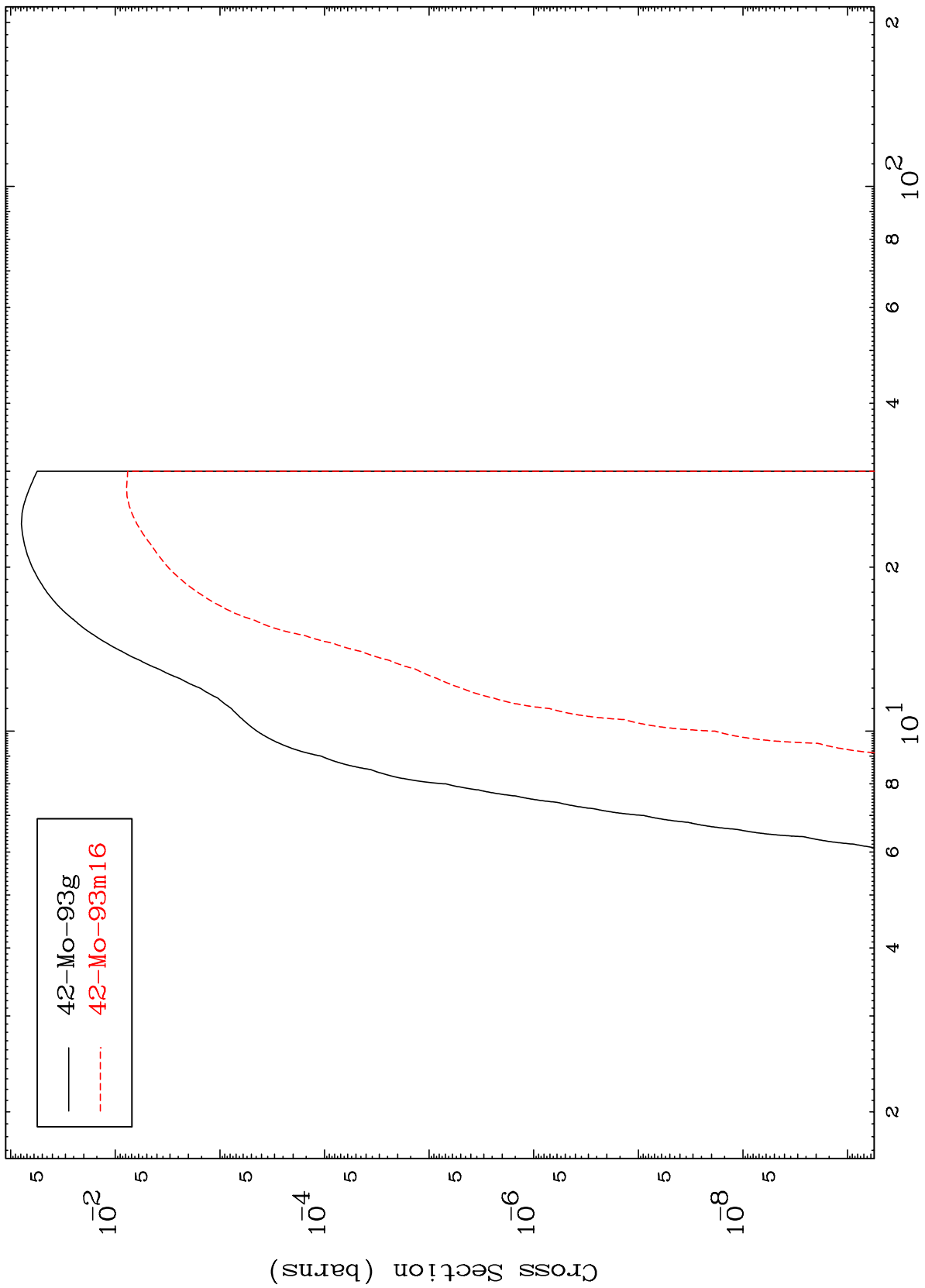


MAT 4428

(n,n')  $\alpha$

44-Ru-97

Radionuclide Production Cross Section



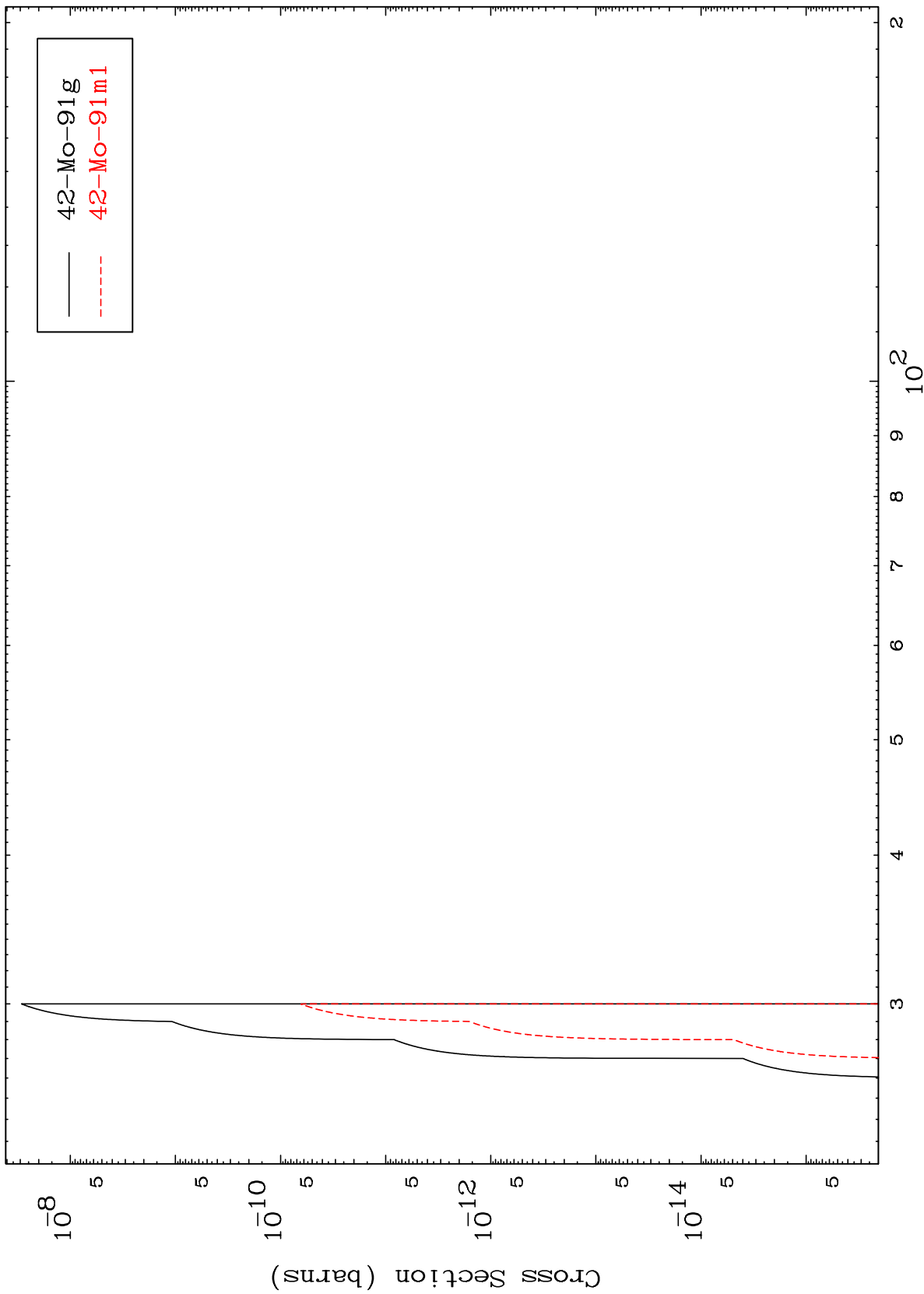
— 42-Mo-93g  
- - - 42-Mo-93m16

137

Incident Energy (MeV)

44-Ru-97

Radionuclide Production Cross Section

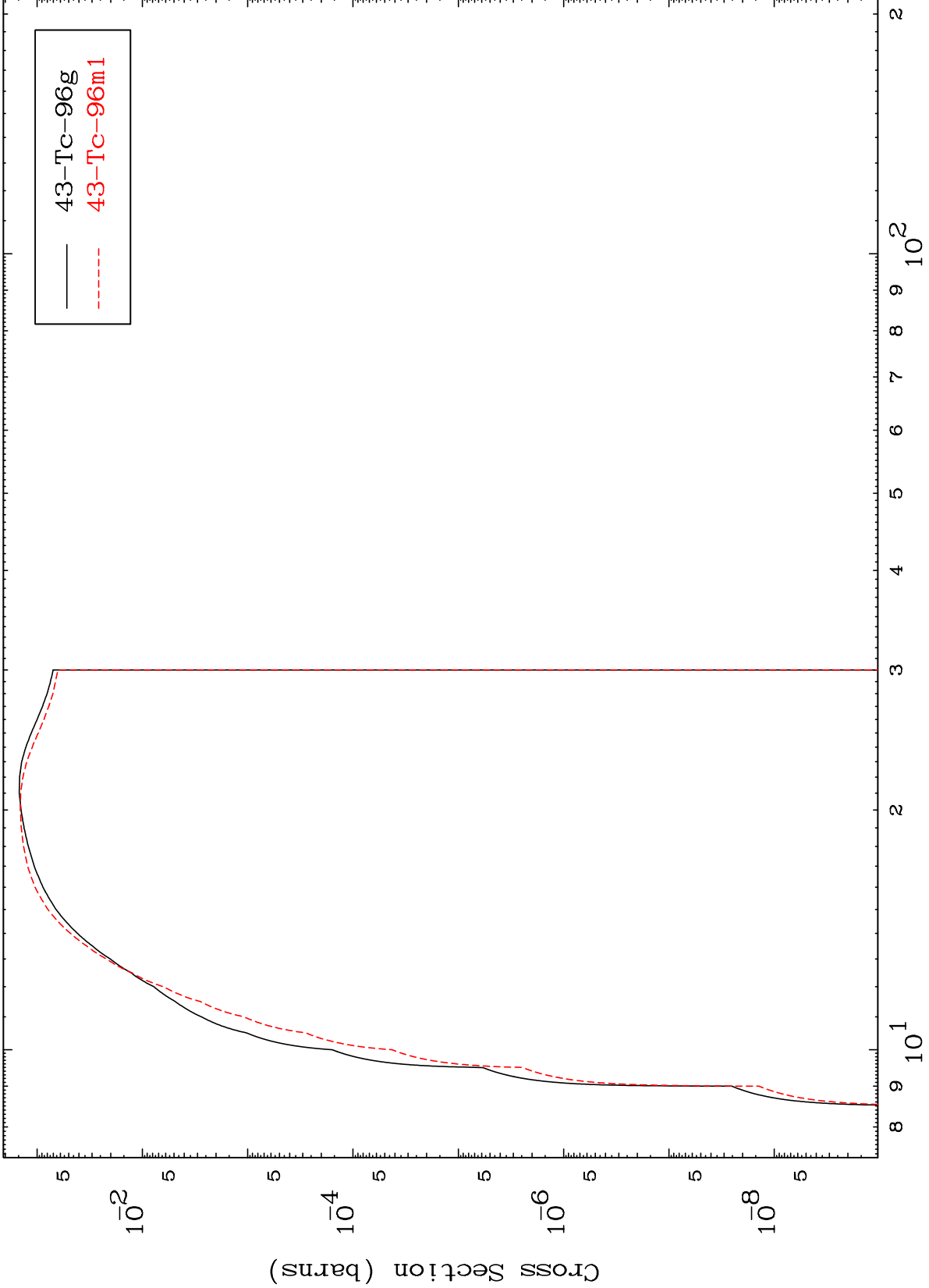


MAT 4428

(n,n') p

44-Ru-97

Radionuclide Production Cross Section



139

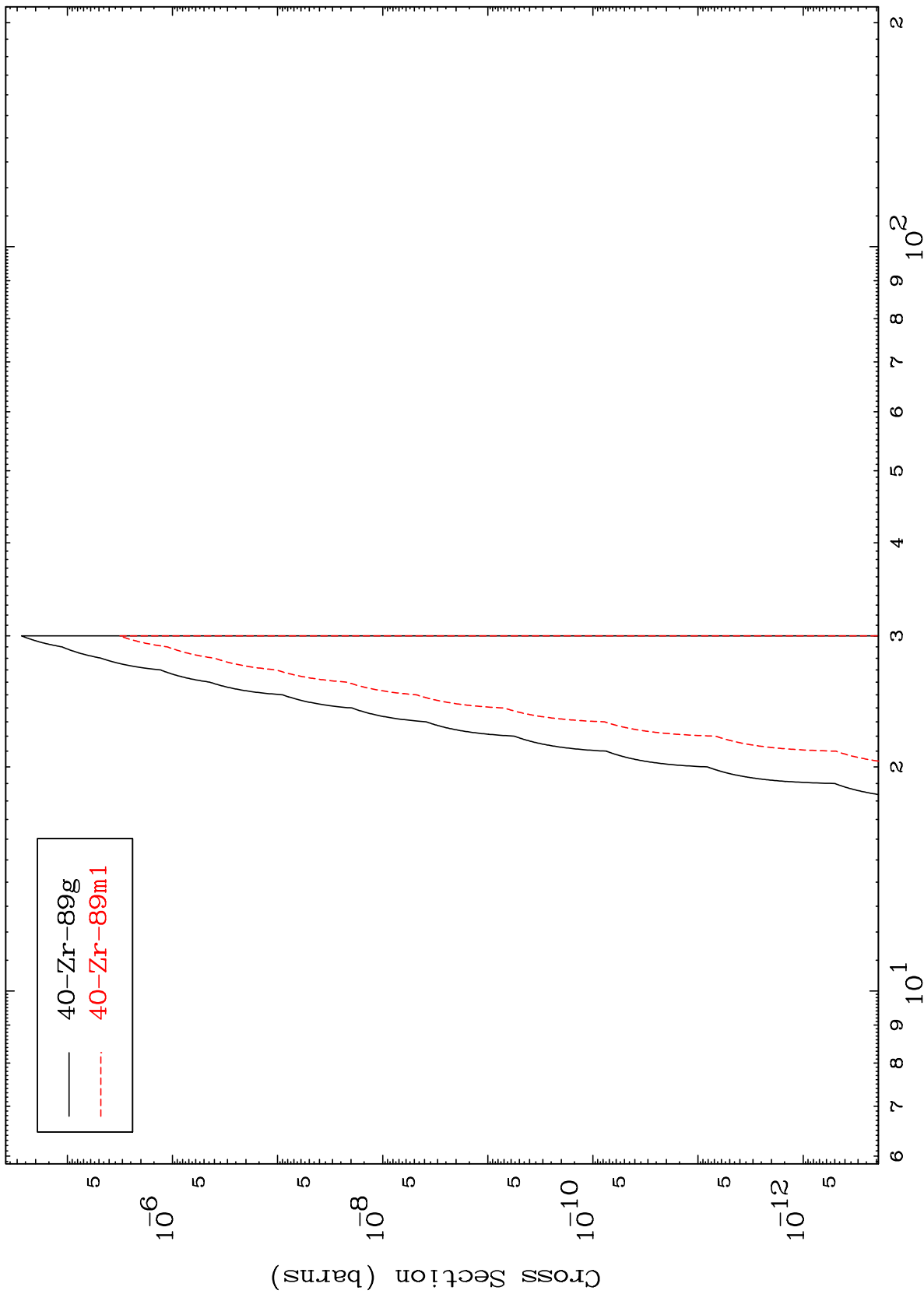
Incident Energy (MeV)

44-Ru-97

MAT 4428

44-Ru-97

(n,n') 2α  
Radionuclide Production Cross Section



140

Incident Energy (MeV)

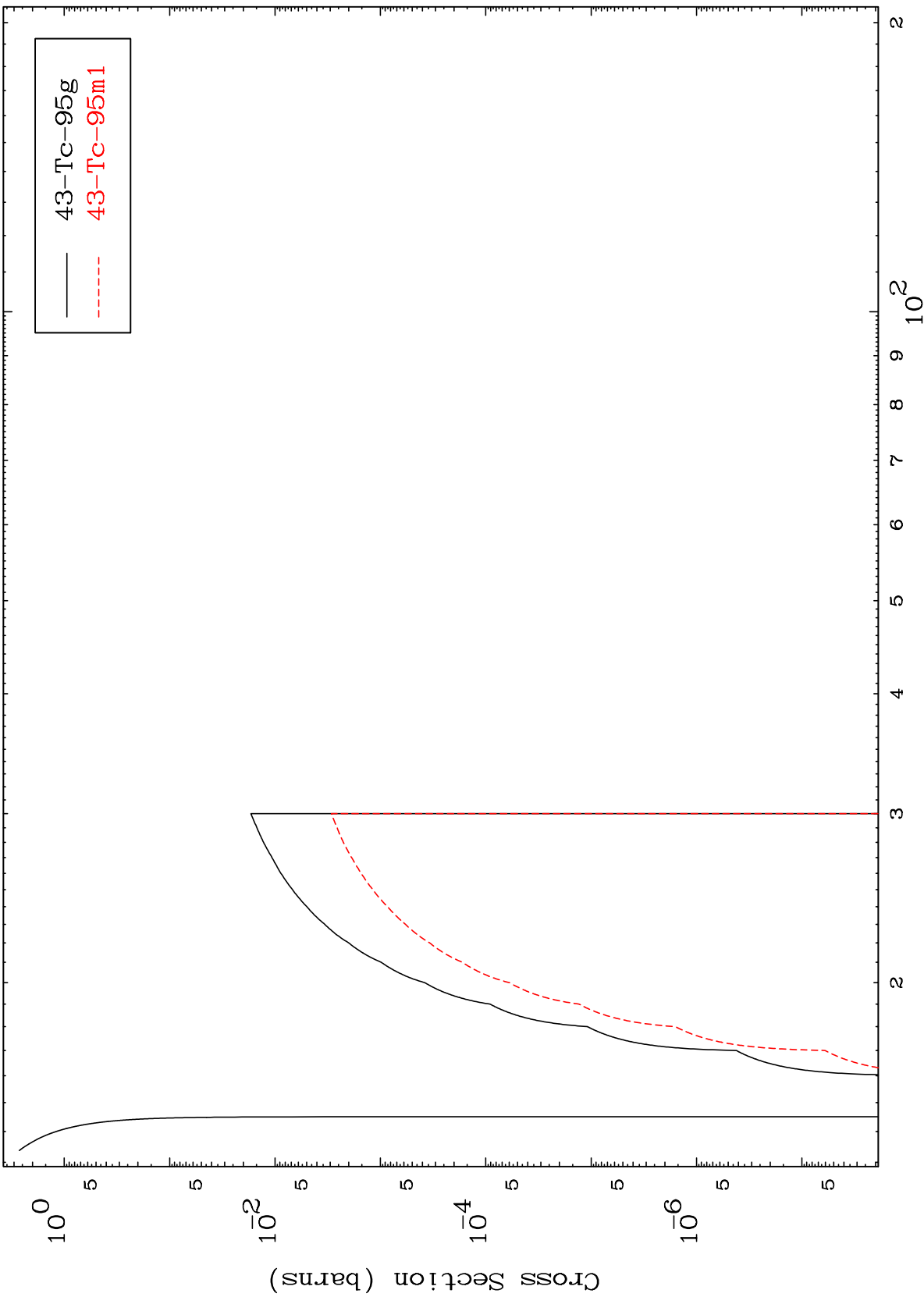
44-Ru-97

MAT 4428

(n,n') d

44-Ru-97

Radionuclide Production Cross Section

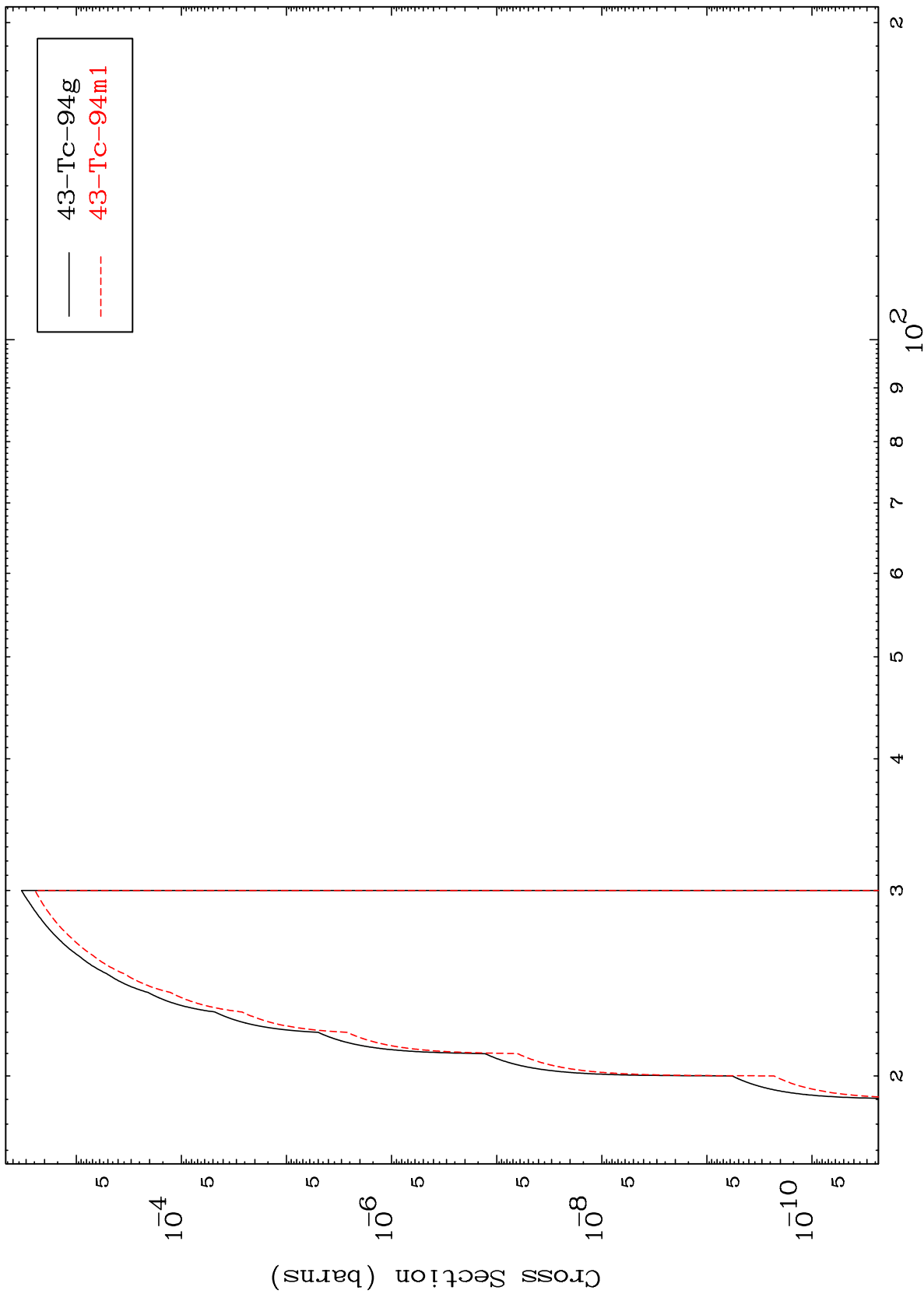


141

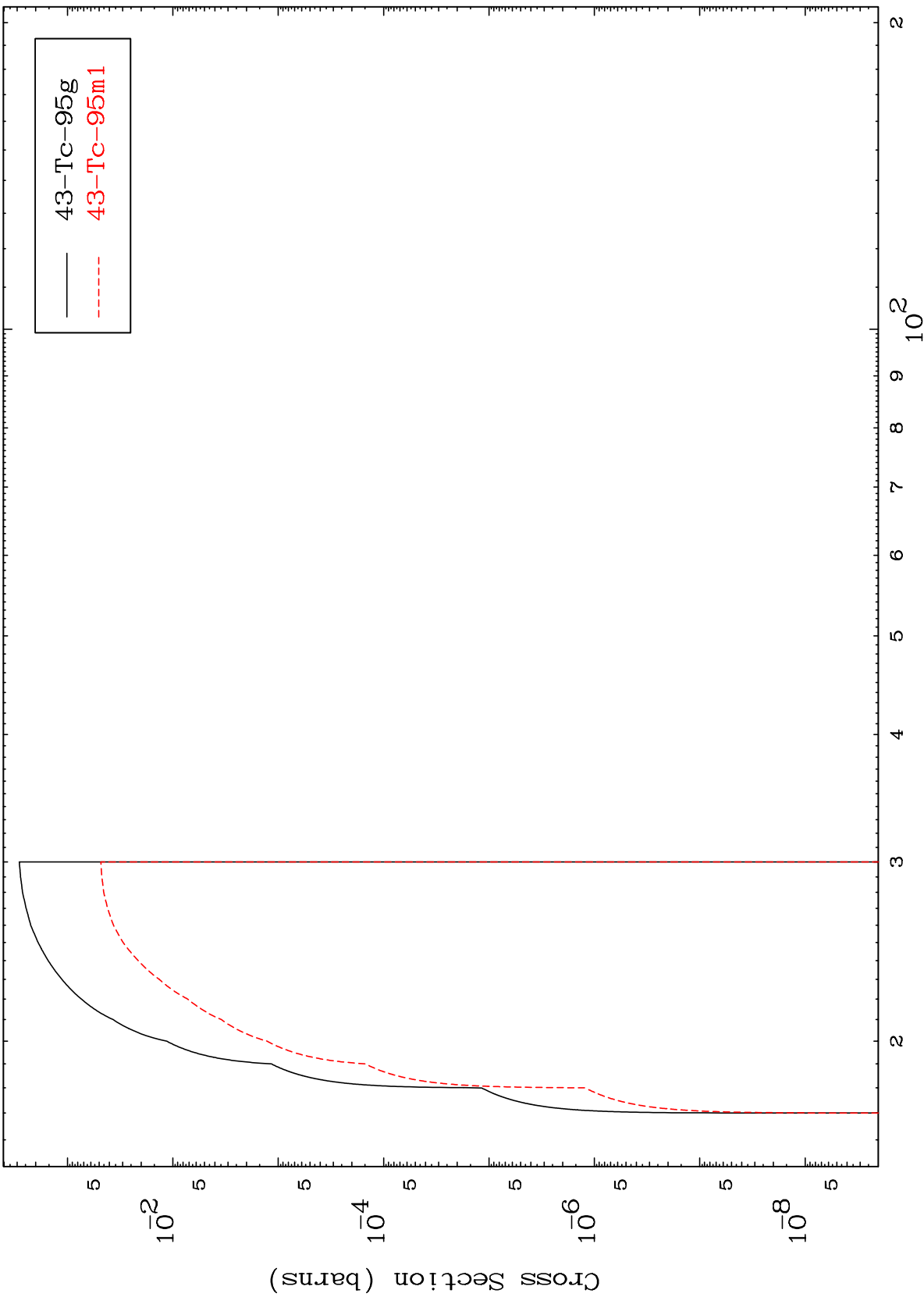
Incident Energy (MeV)

44-Ru-97

Radionuclide Production Cross Section



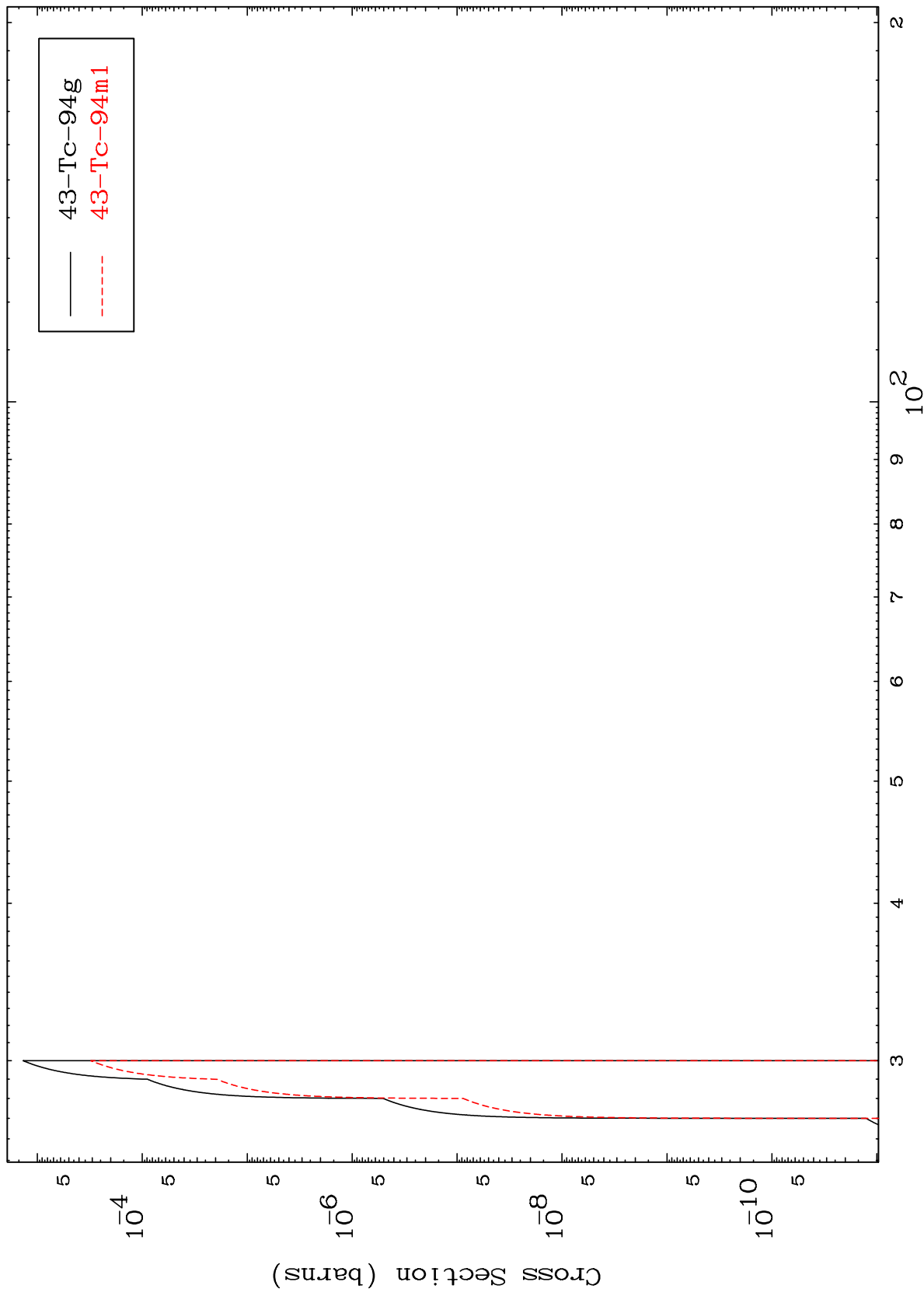
Radionuclide Production Cross Section



MAT 4428

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(n,3n) p  
Radionuclide Production Cross Section



44-Ru-97

Incident Energy (MeV)

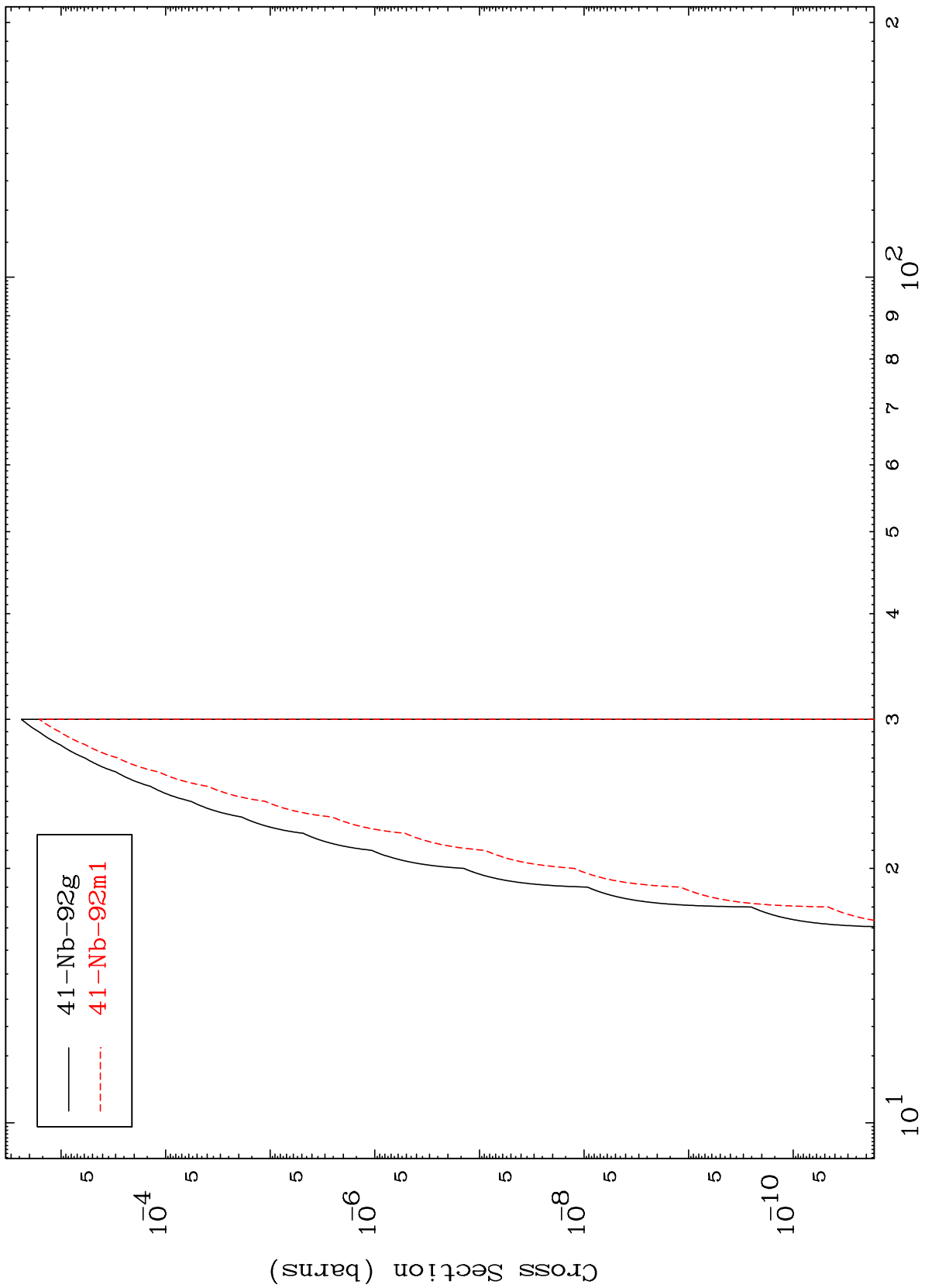
144

MAT 4428

(n,n') p  $\alpha$

44-Ru-97

Radionuclide Production Cross Section



Incident Energy (MeV)

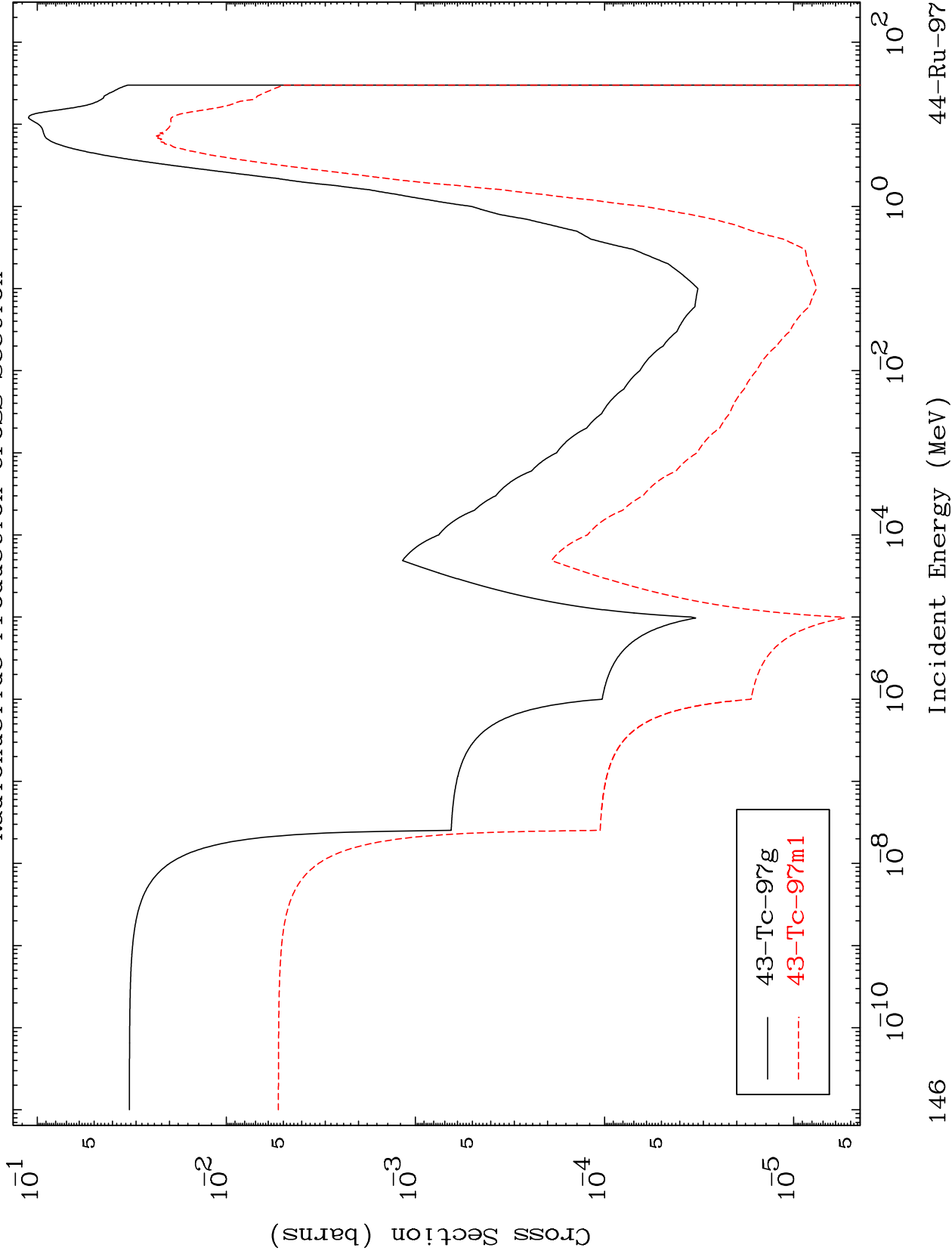
44-Ru-97

145

MAT 4428

44-Ru-97

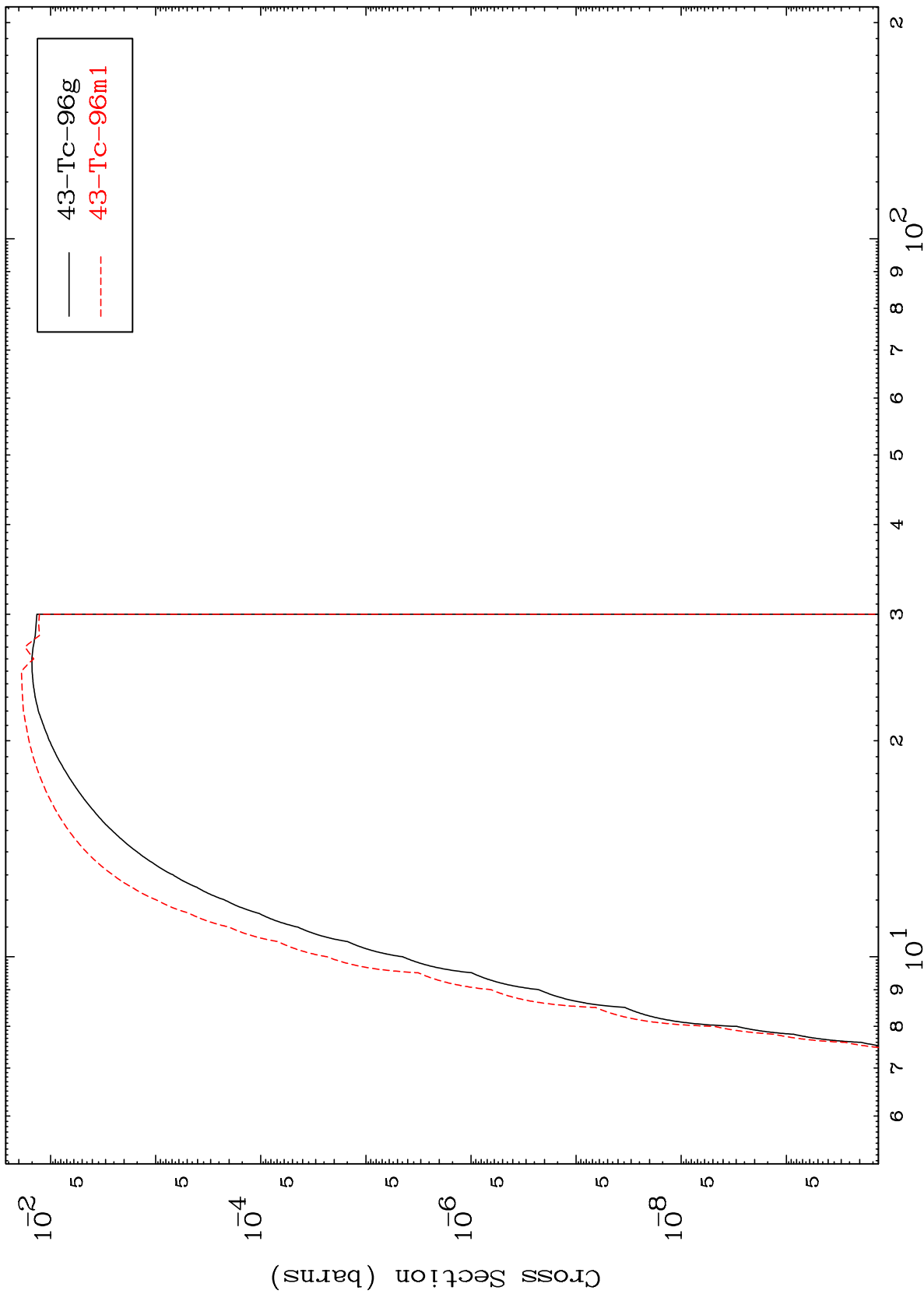
(n,p)  
Radionuclide Production Cross Section



MAT 4428

44-Ru-97

(n,d)  
Radionuclide Production Cross Section



147

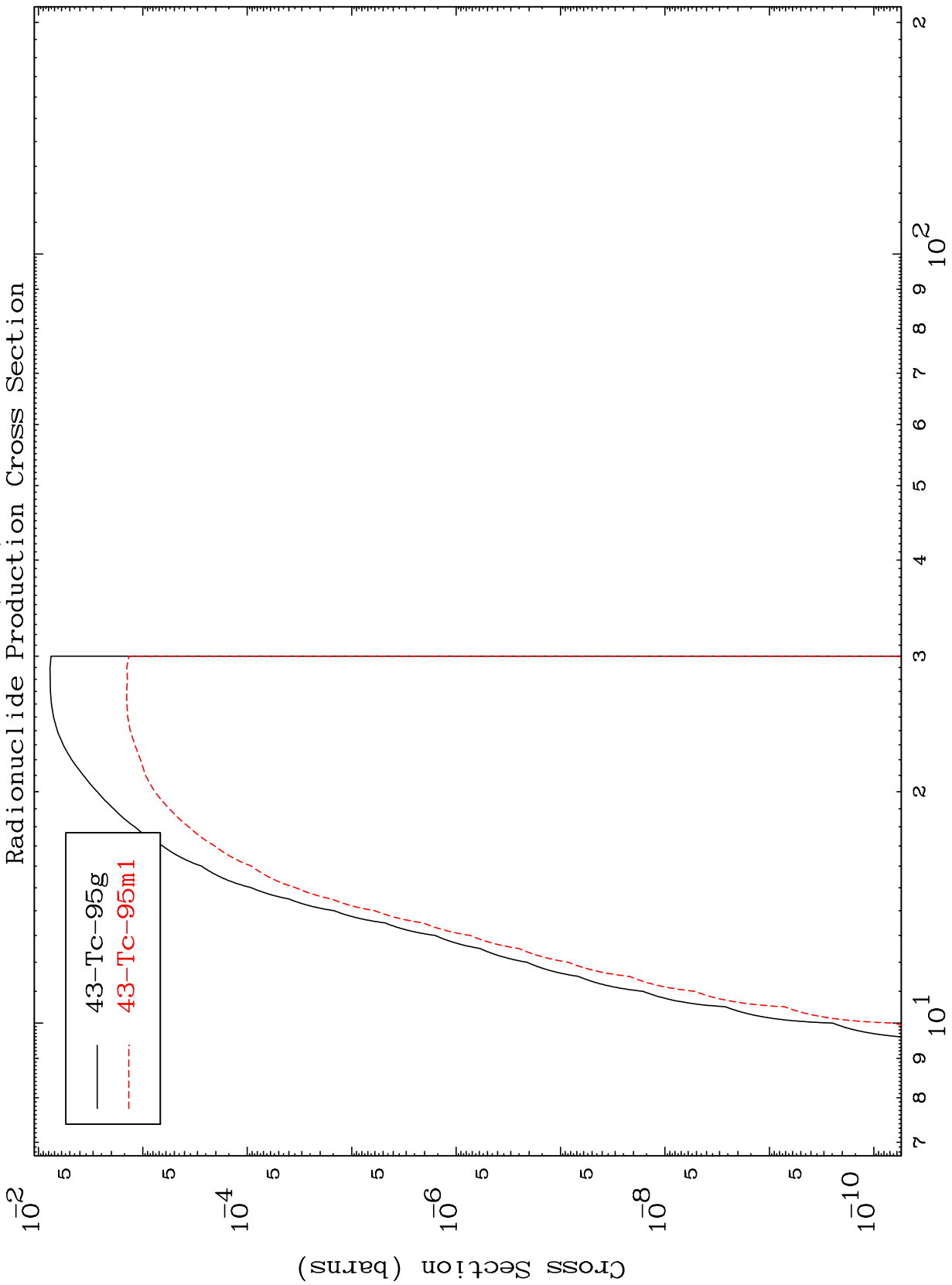
Incident Energy (MeV)

44-Ru-97

MAT 4428

44-Ru-97

(n, t)  
Radionuclide Production Cross Section



44-Ru-97

Incident Energy (MeV)

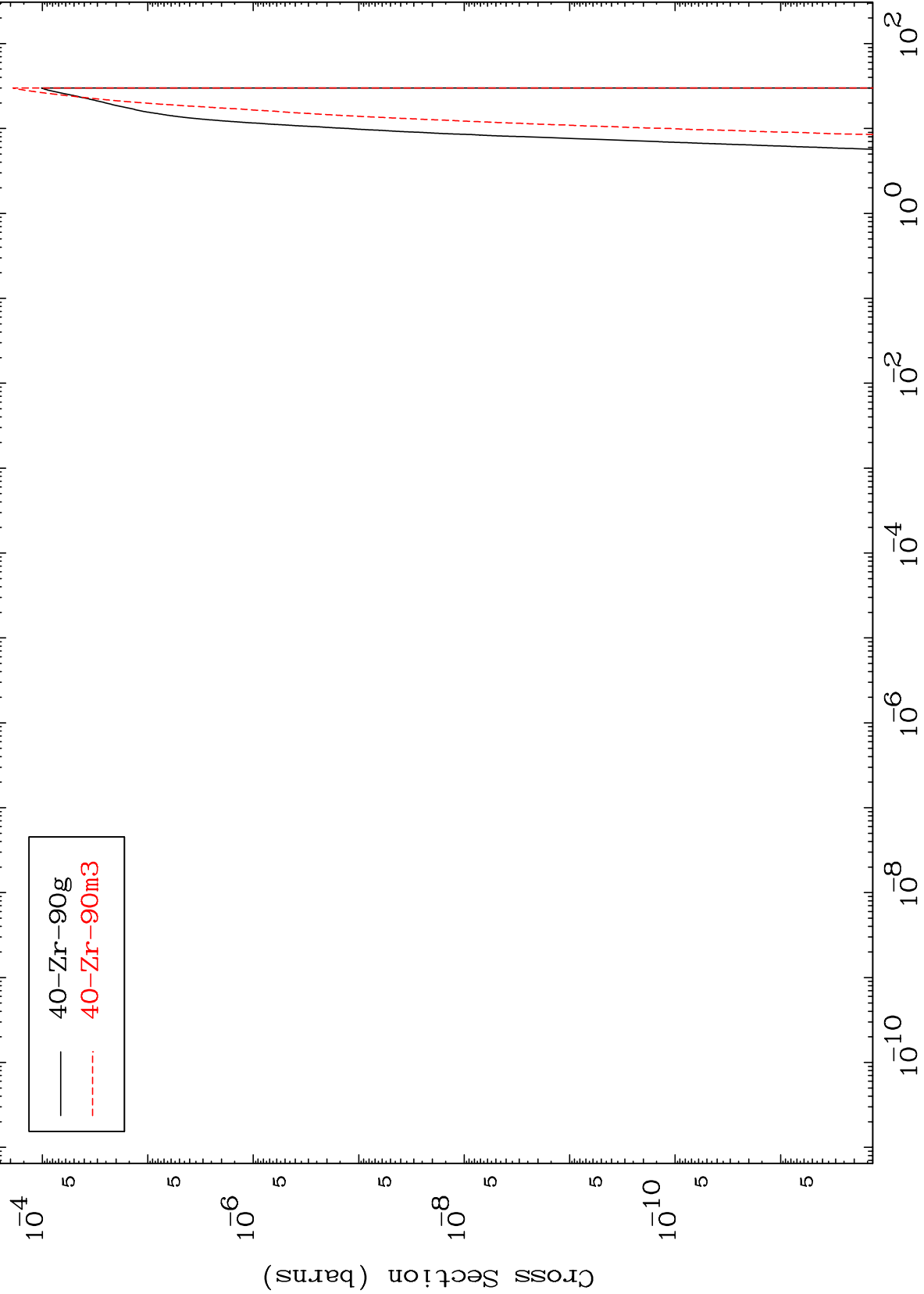
148

MAT 4428

(n,2α)

44-Ru-97

Radionuclide Production Cross Section



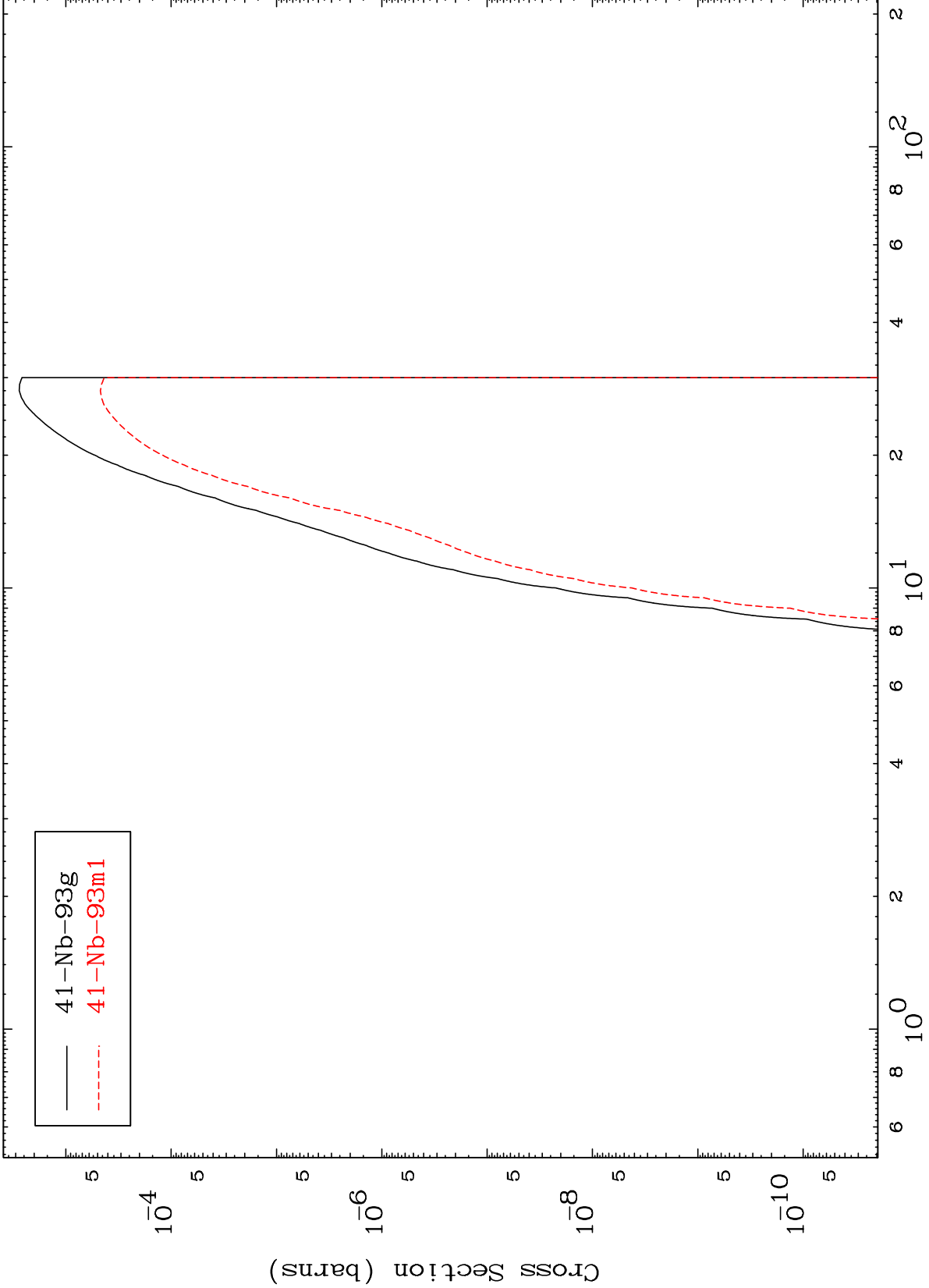
— 40-Zr-90g  
- - - 40-Zr-90m3

MAT 4428

(n,p)  $\alpha$

44-Ru-97

Radionuclide Production Cross Section



150

Incident Energy (MeV)

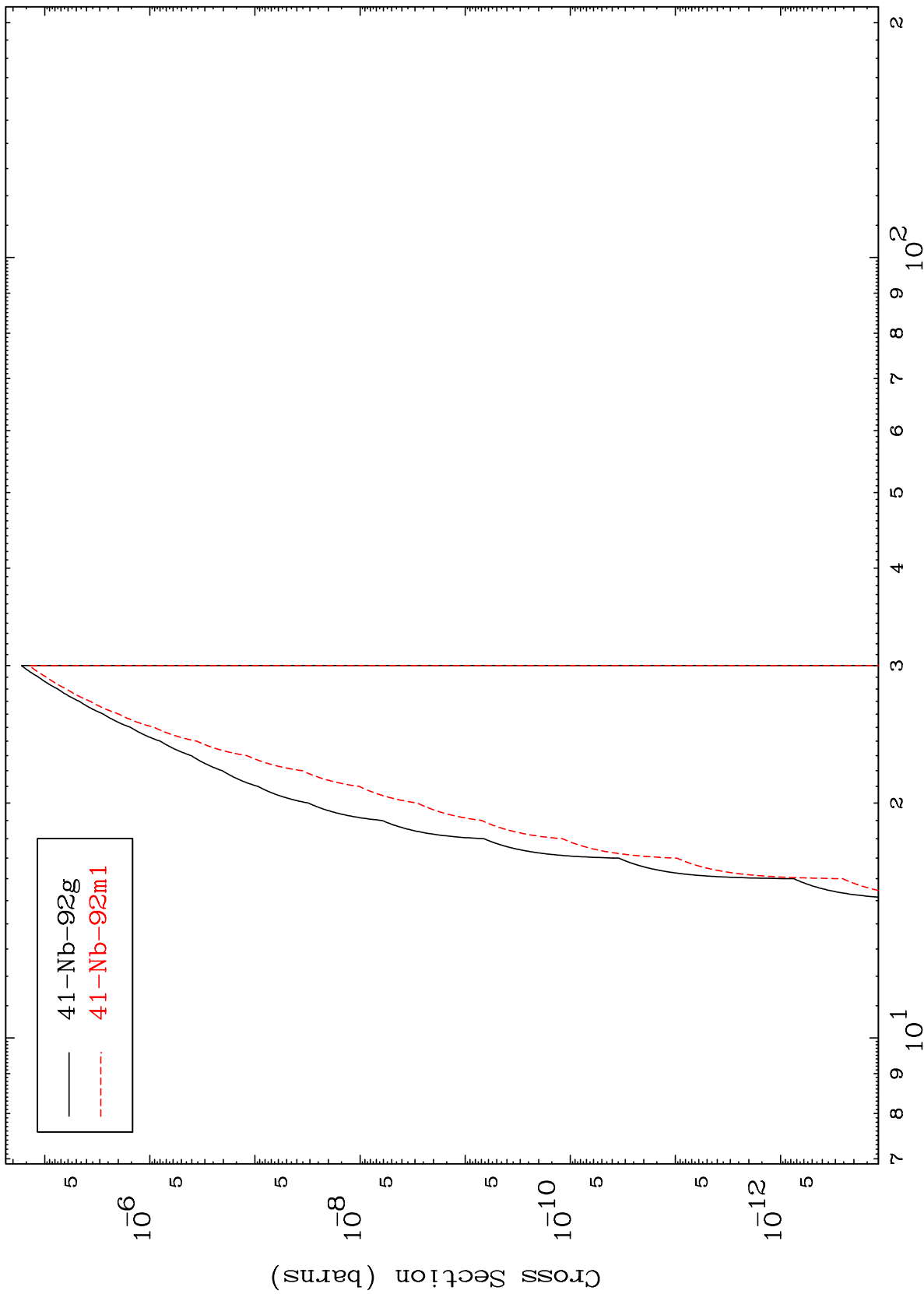
44-Ru-97

MAT 4428

(n,d)  $\alpha$

44-Ru-97

Radionuclide Production Cross Section



151

Incident Energy (MeV)

44-Ru-97