

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
(Present Contact Information)

Dermott E. Cullen
1466 Hudson Way
Livermore, CA 94550
U.S.A.

Tele: 925-443-1911

E.Mail:redcullen1@comcast.net

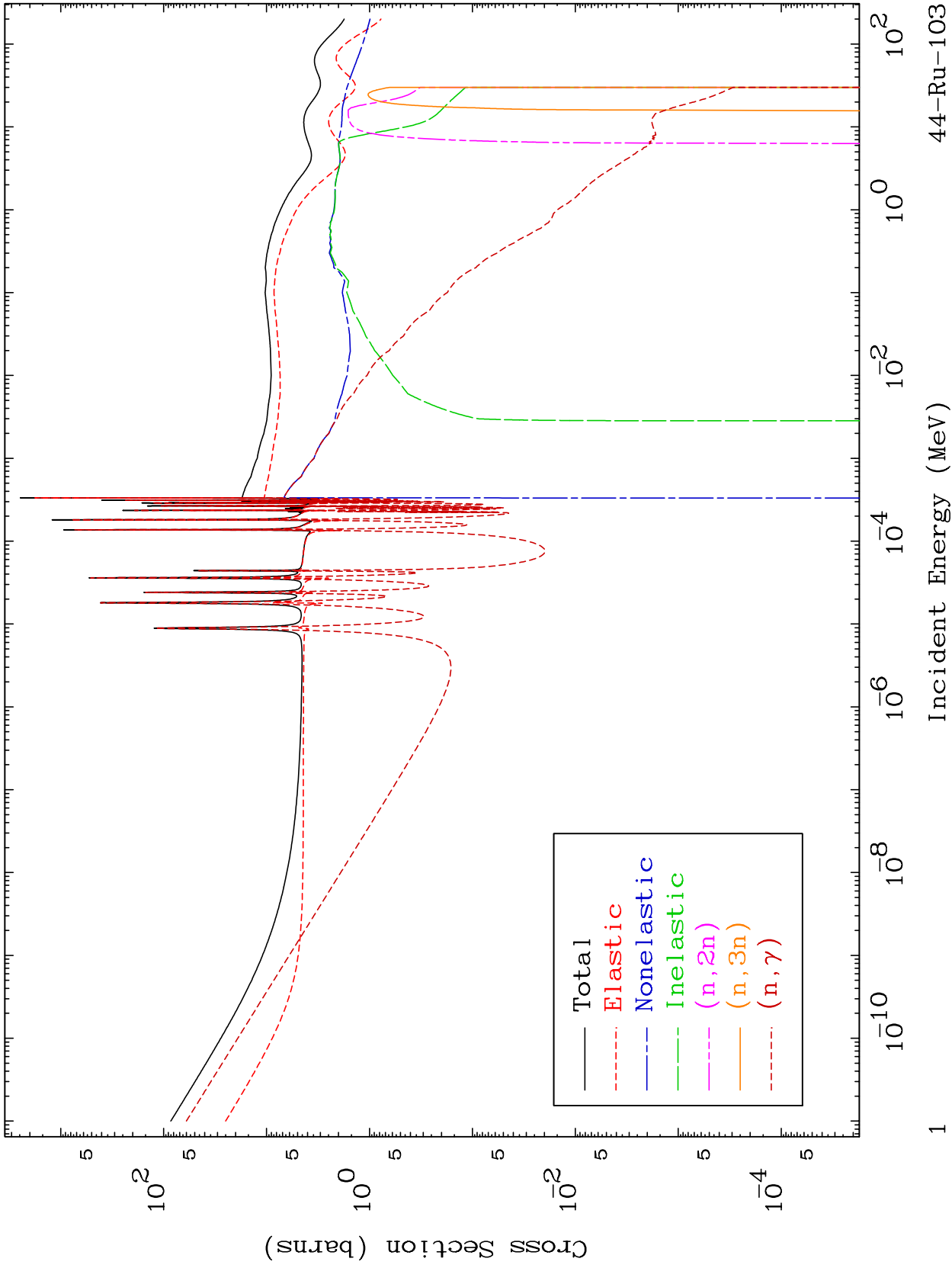
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 4446

Neutron Major
293 Kelvin Cross Sections

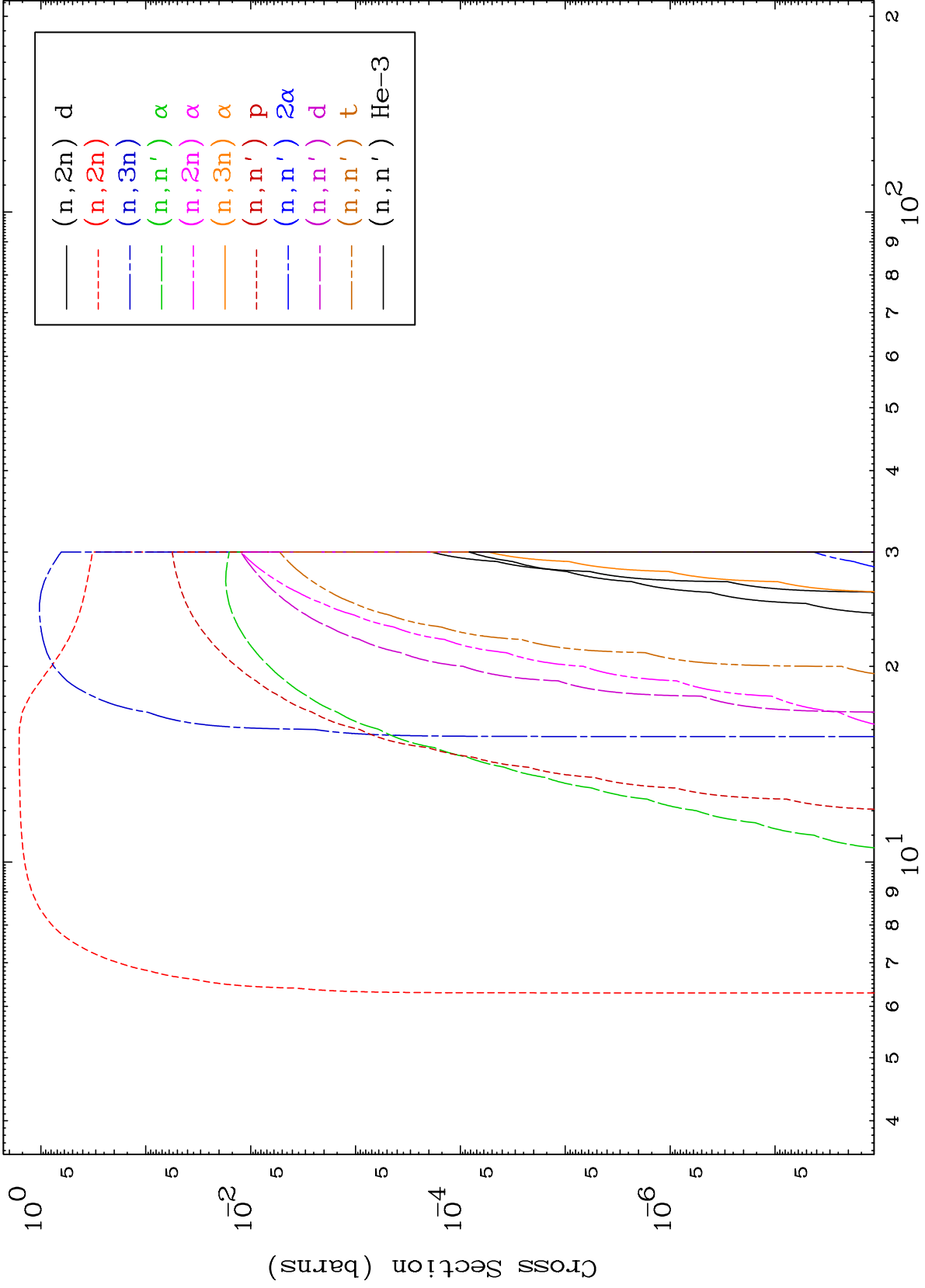
44-Ru-103



MAT 4446

Neutron Absorption
293 Kelvin Cross Sections

44-Ru-103



2

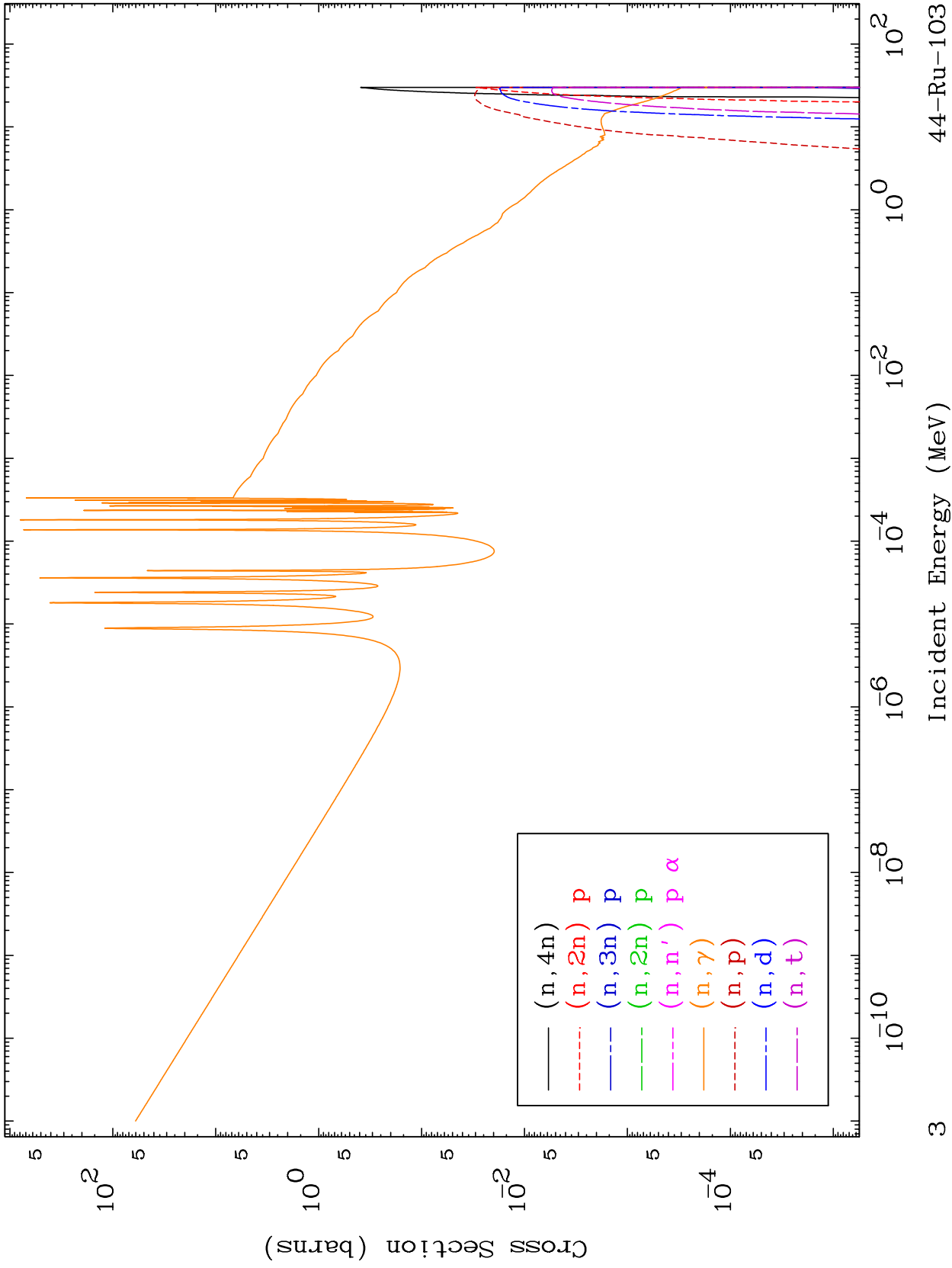
Incident Energy (MeV)

44-Ru-103

MAT 4446

Neutron Absorption
293 Kelvin Cross Sections

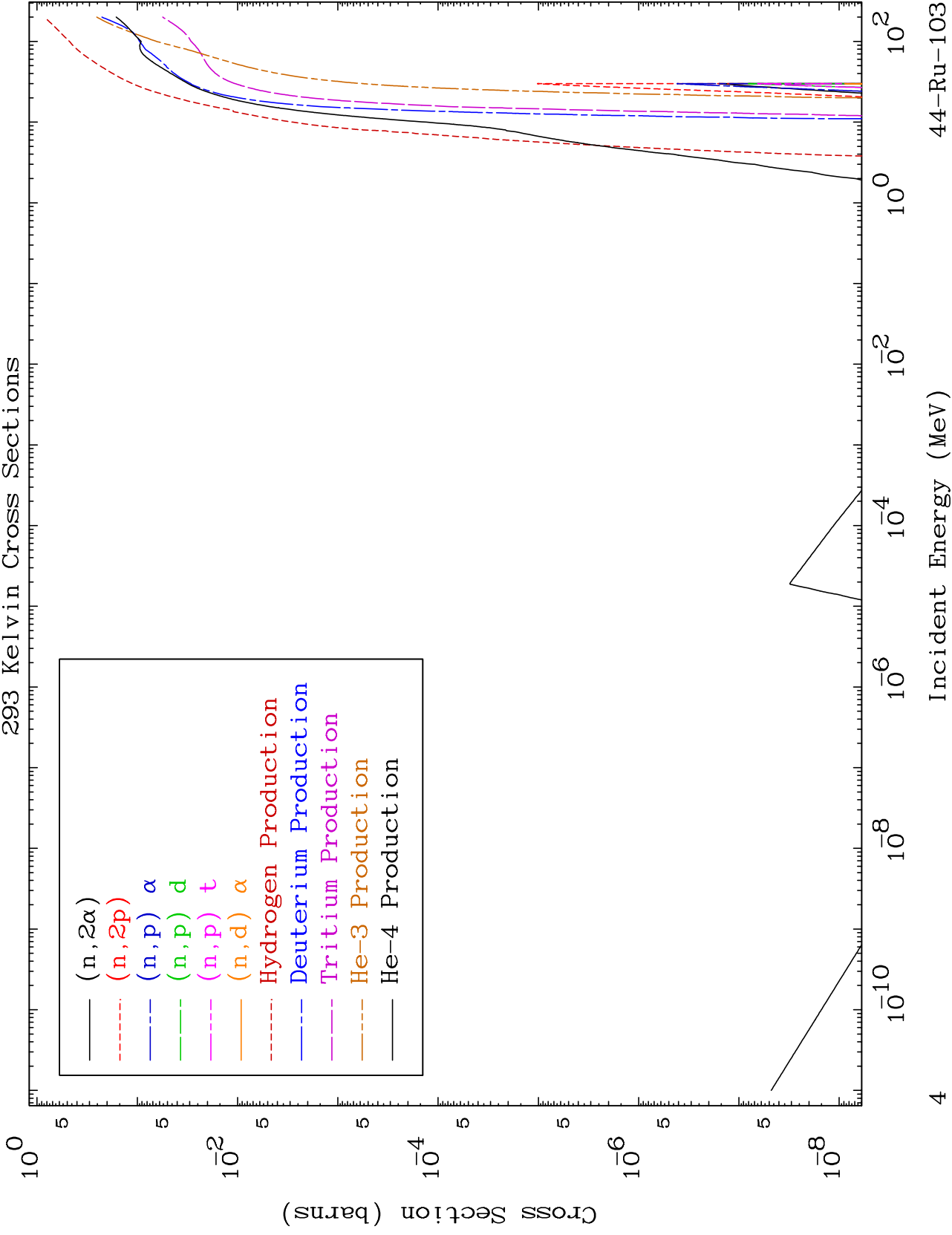
44-Ru-103



MAT 4446

Neutron Absorption
293 Kelvin Cross Sections

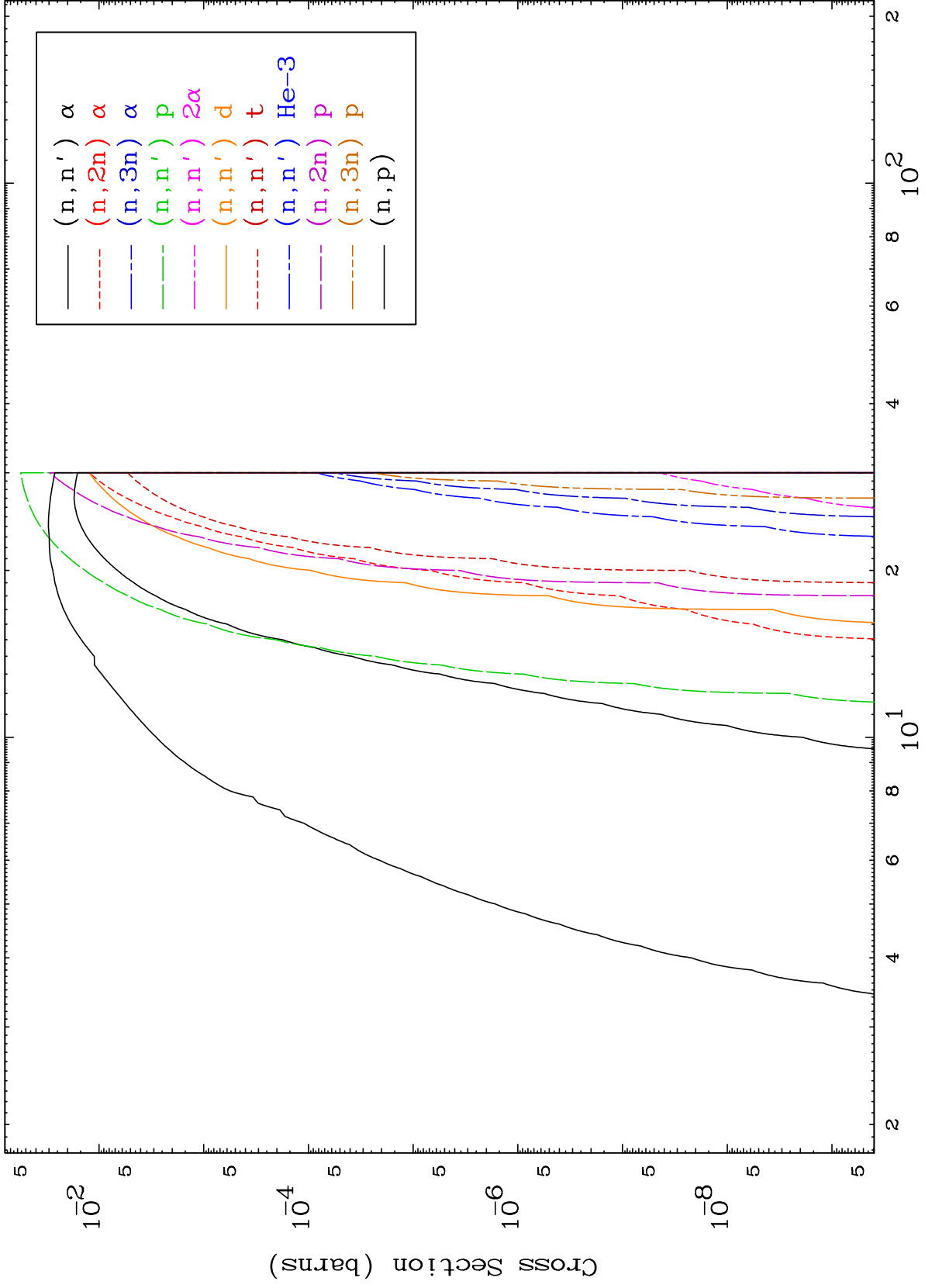
44-Ru-103



MAT 4446

Charged Particle
293 Kelvin Cross Sections

44-Ru-103



5

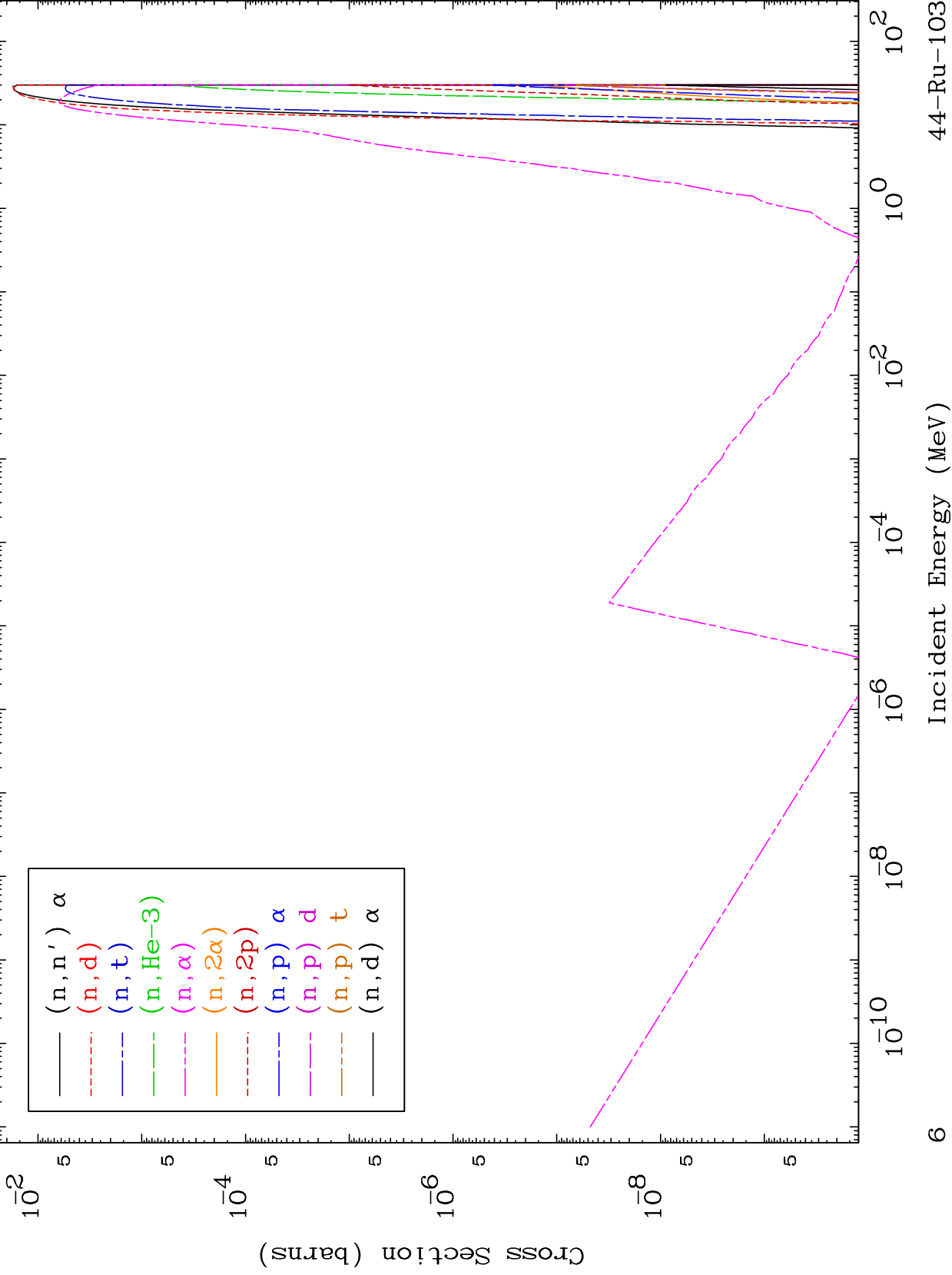
Incident Energy (MeV)

44-Ru-103

MAT 4446

Charged Particle
293 Kelvin Cross Sections

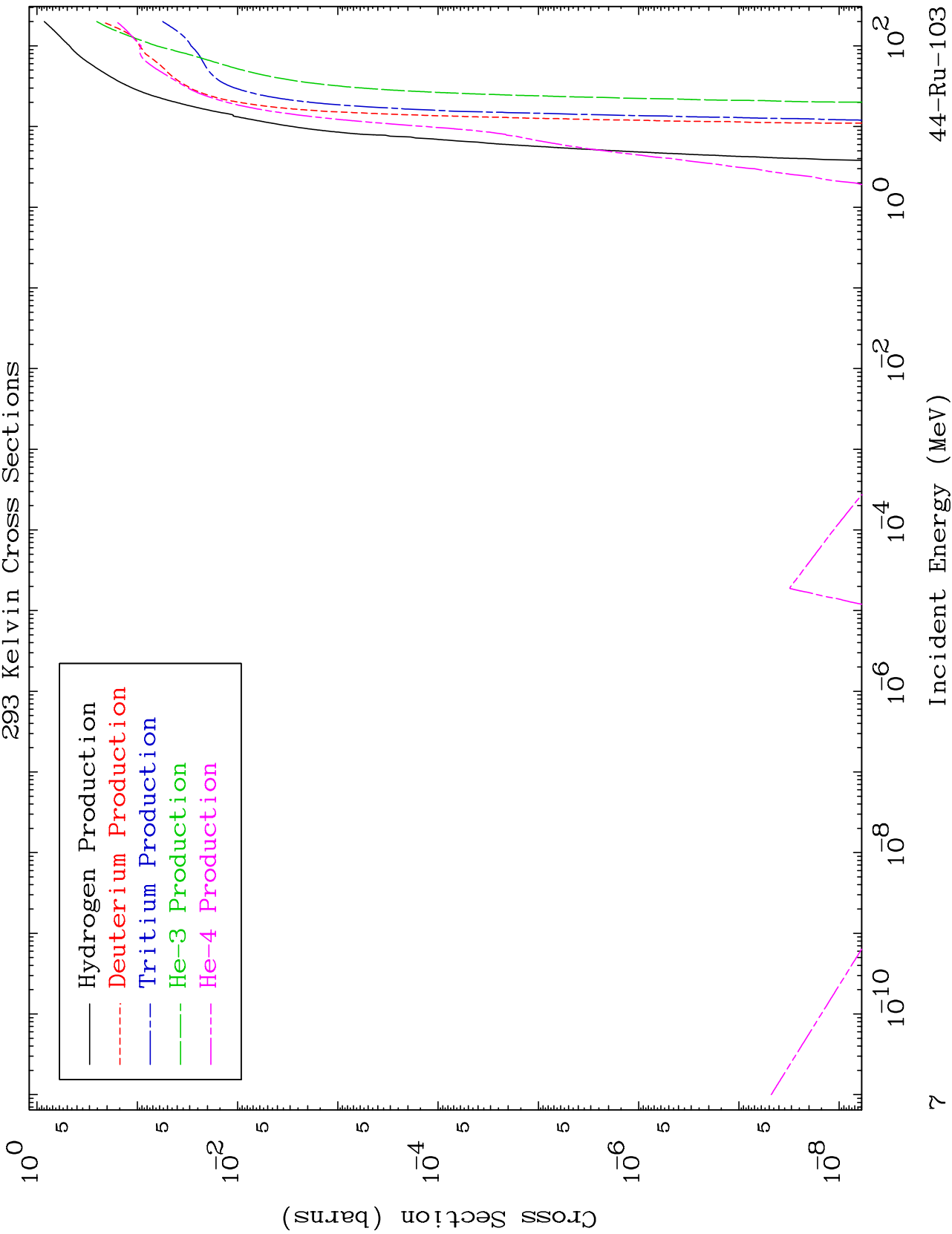
44-Ru-103



MAT 4446

Particle Production
293 Kelvin Cross Sections

44-Ru-103

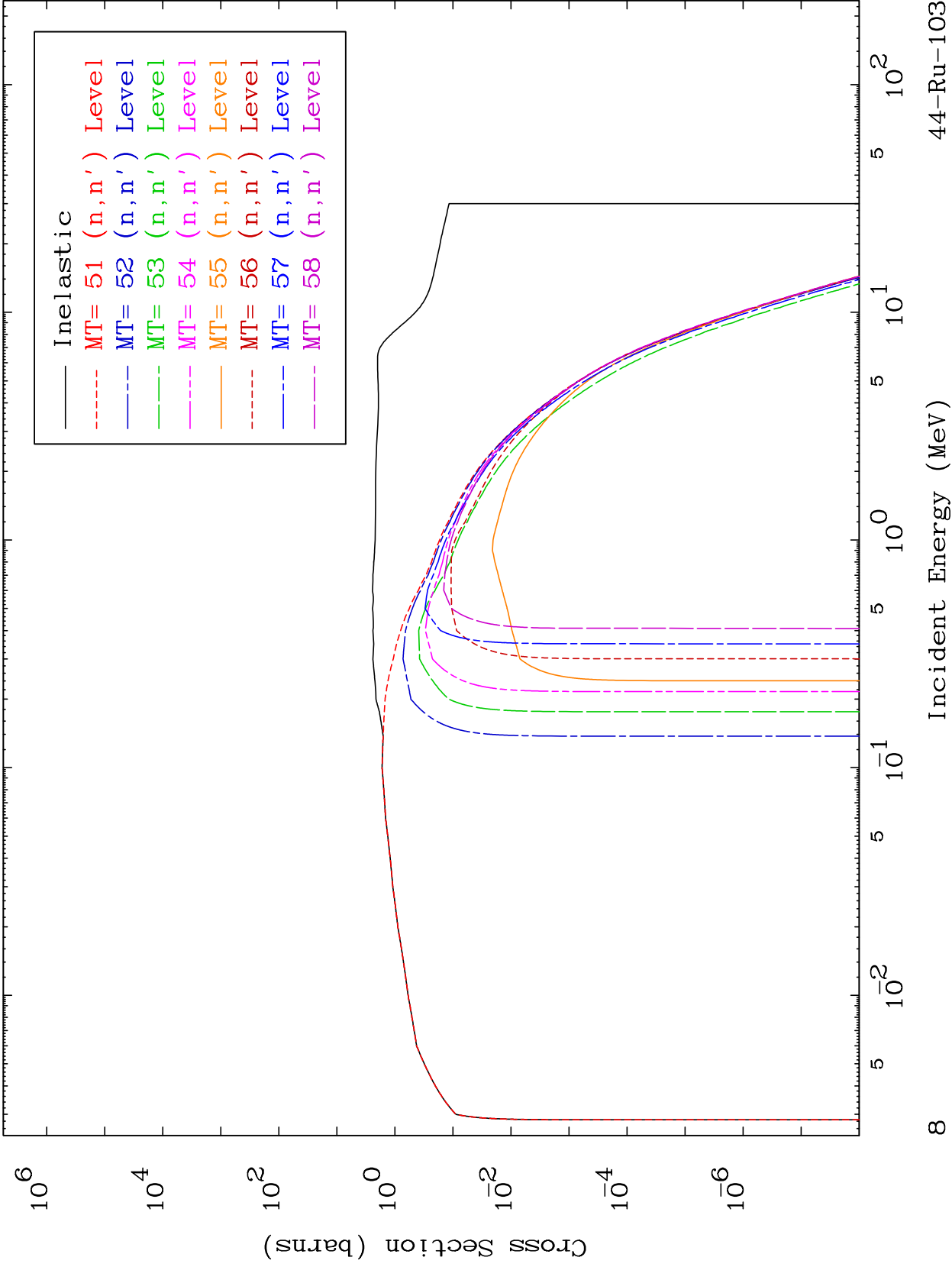


MAT 4446

(n,n') Levels

44-Ru-103

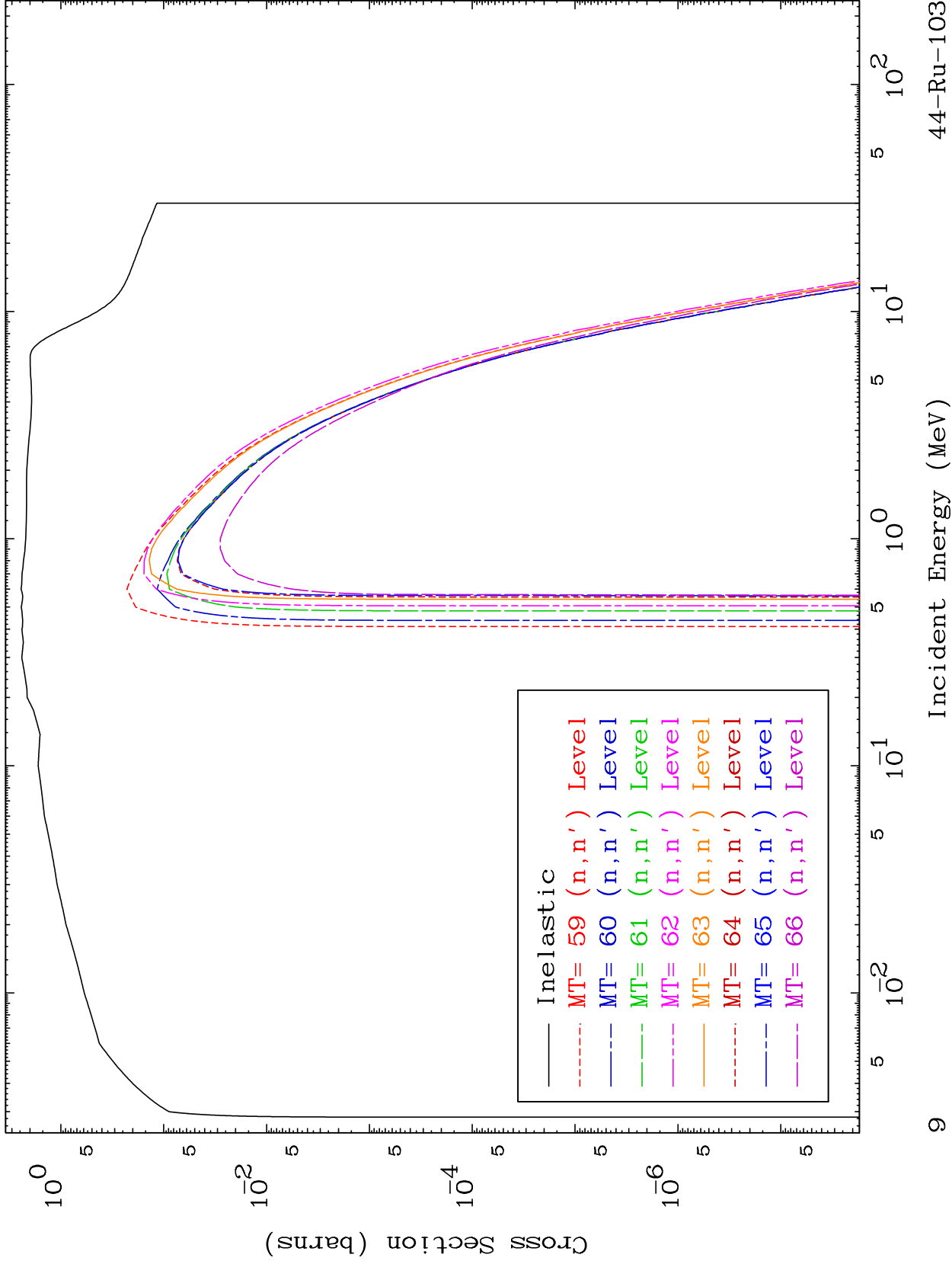
293 Kelvin Cross Sections



MAT 4446

(n,n') Levels
293 Kelvin Cross Sections

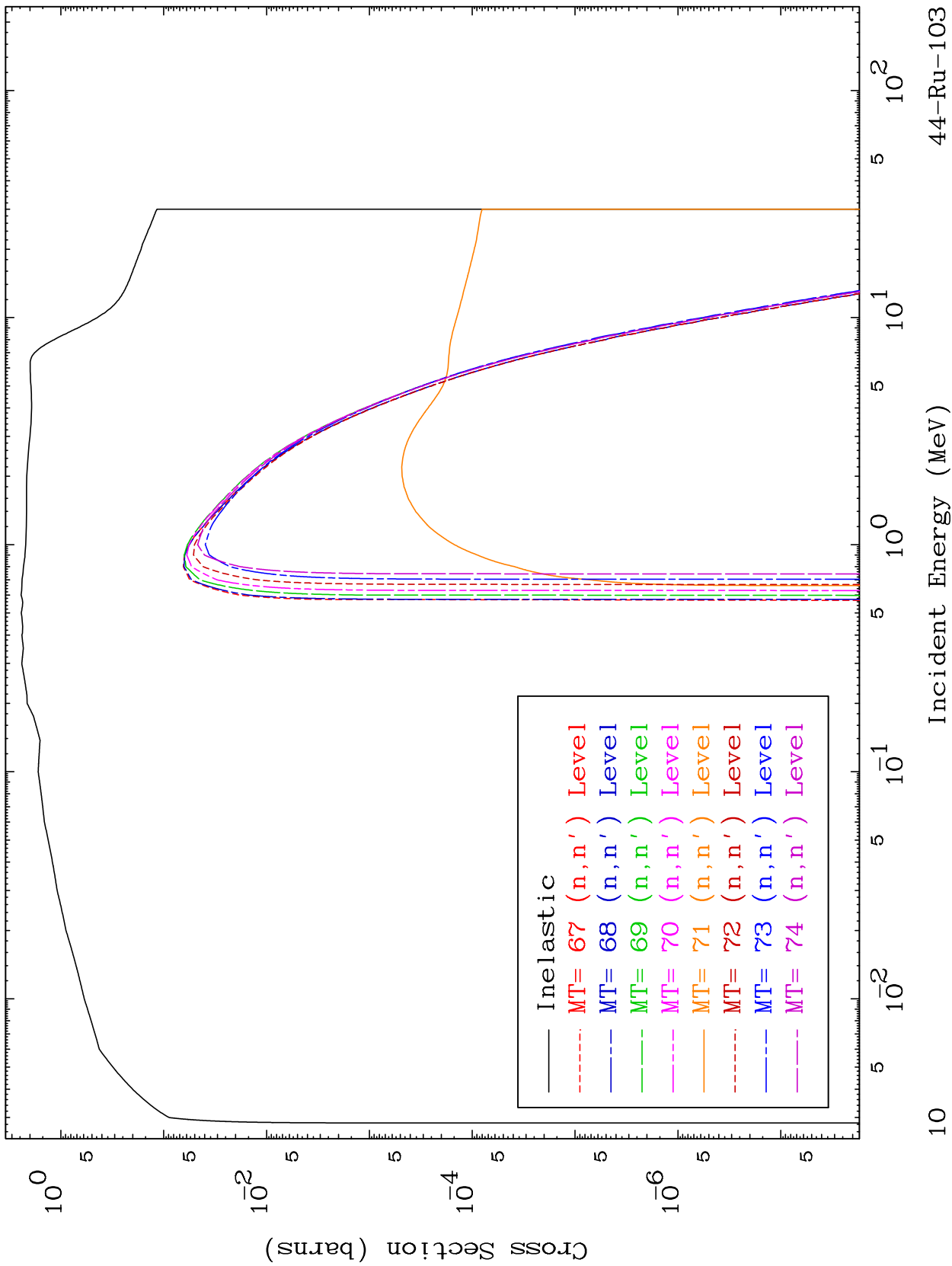
44-Ru-103



MAT 4446

44-Ru-103

(n,n') Levels
293 Kelvin Cross Sections



44-Ru-103

Incident Energy (MeV)

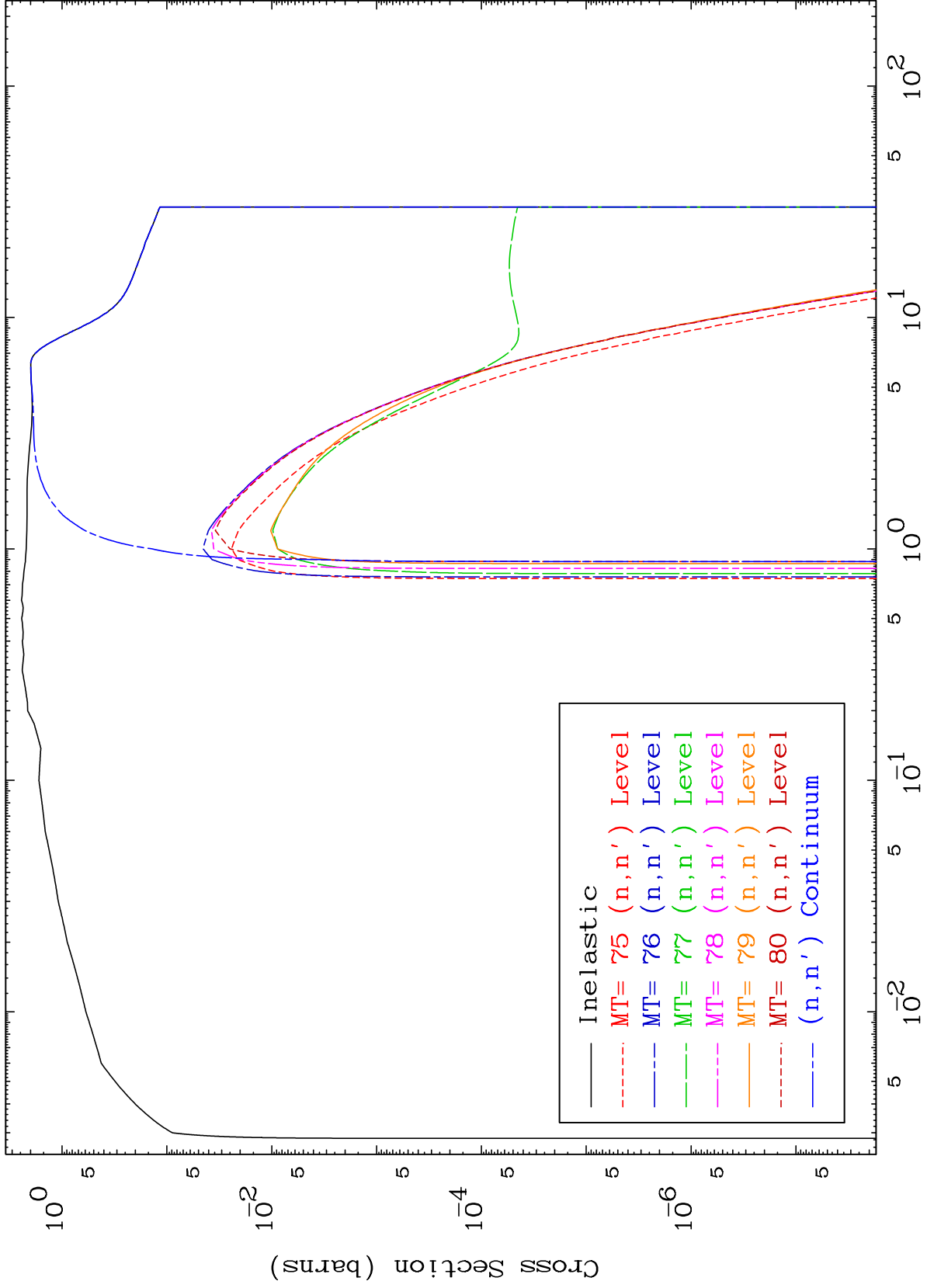
10

MAT 4446

(n,n') Levels

44-Ru-103

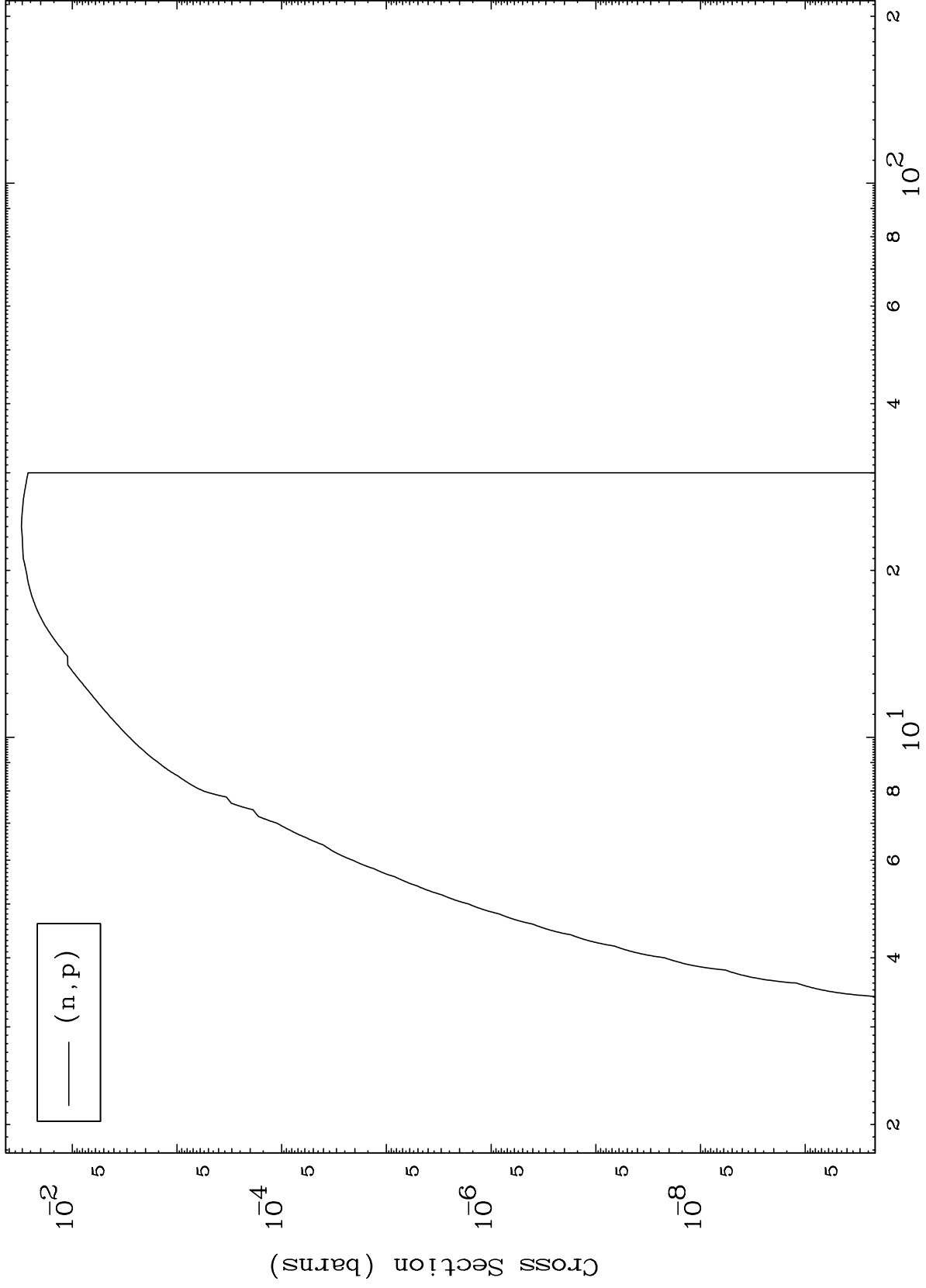
293 Kelvin Cross Sections



MAT 4446

(n,p) Levels
293 Kelvin Cross Sections

44-Ru-103



12

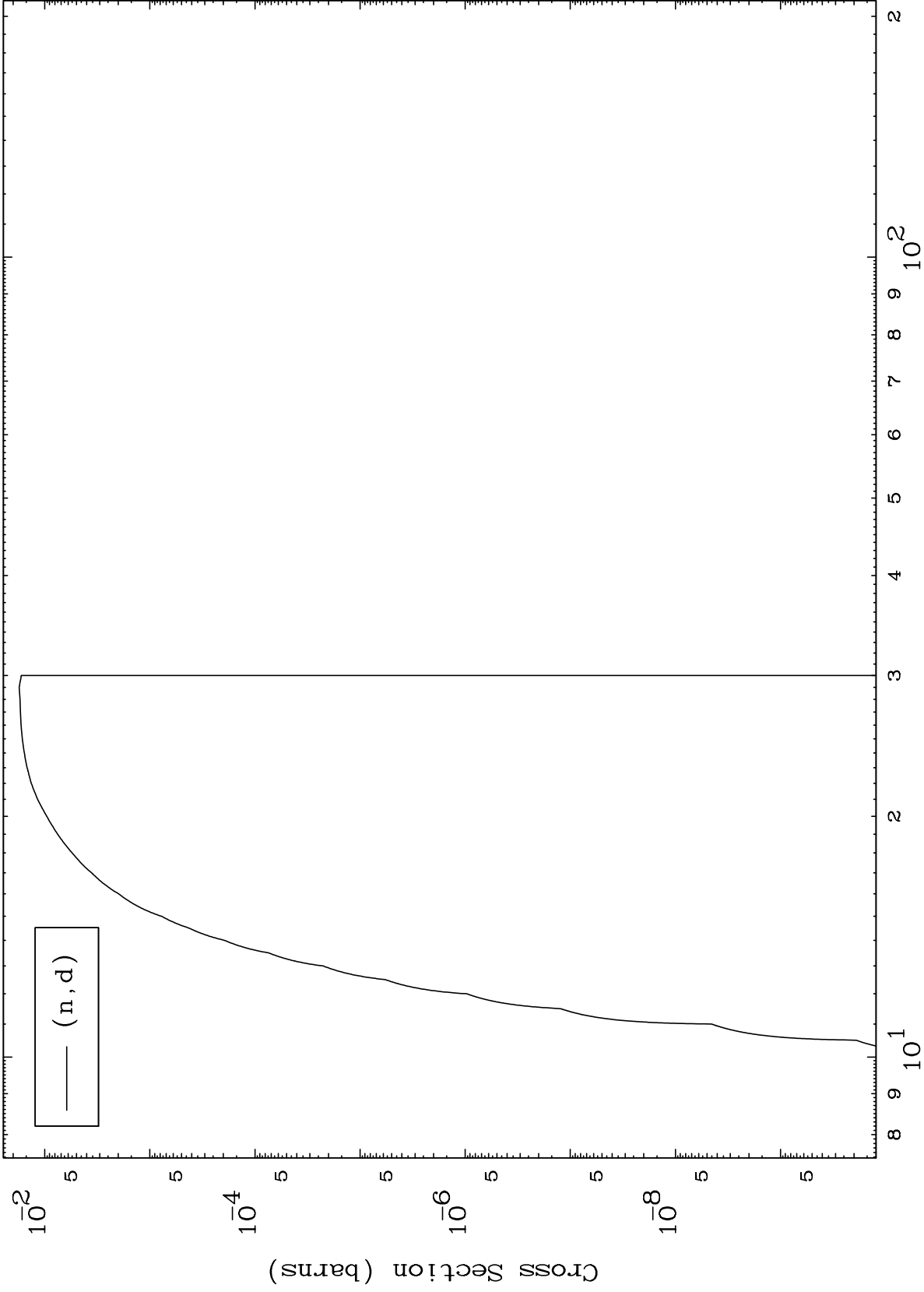
Incident Energy (MeV)

44-Ru-103

MAT 4446

(n,d) Levels
293 Kelvin Cross Sections

44-Ru-103



13

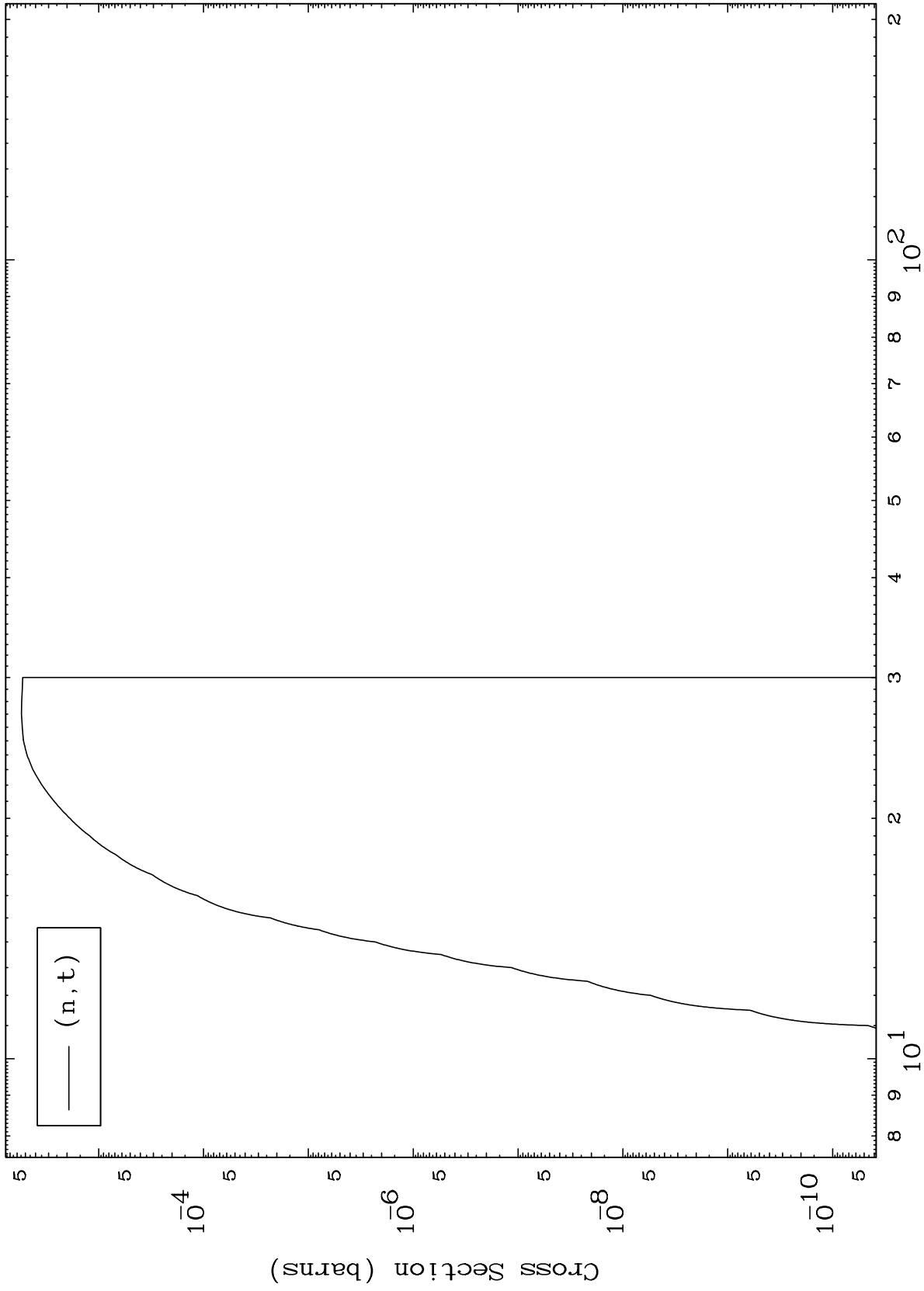
Incident Energy (MeV)

44-Ru-103

MAT 4446

(n,t) Levels
293 Kelvin Cross Sections

44-Ru-103



14

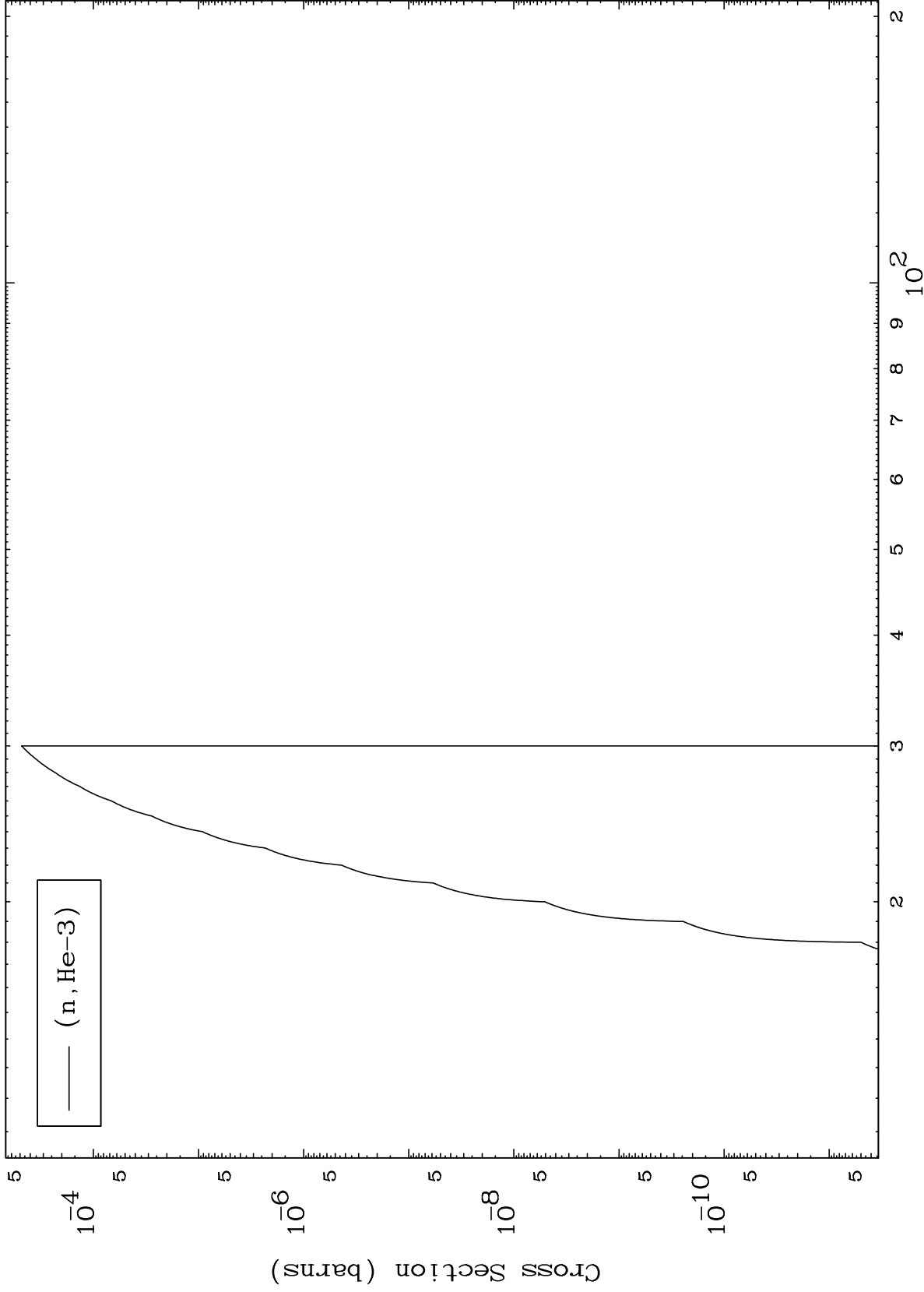
Incident Energy (MeV)

44-Ru-103

MAT 4446

(n,He3) Levels
293 Kelvin Cross Sections

44-Ru-103



15

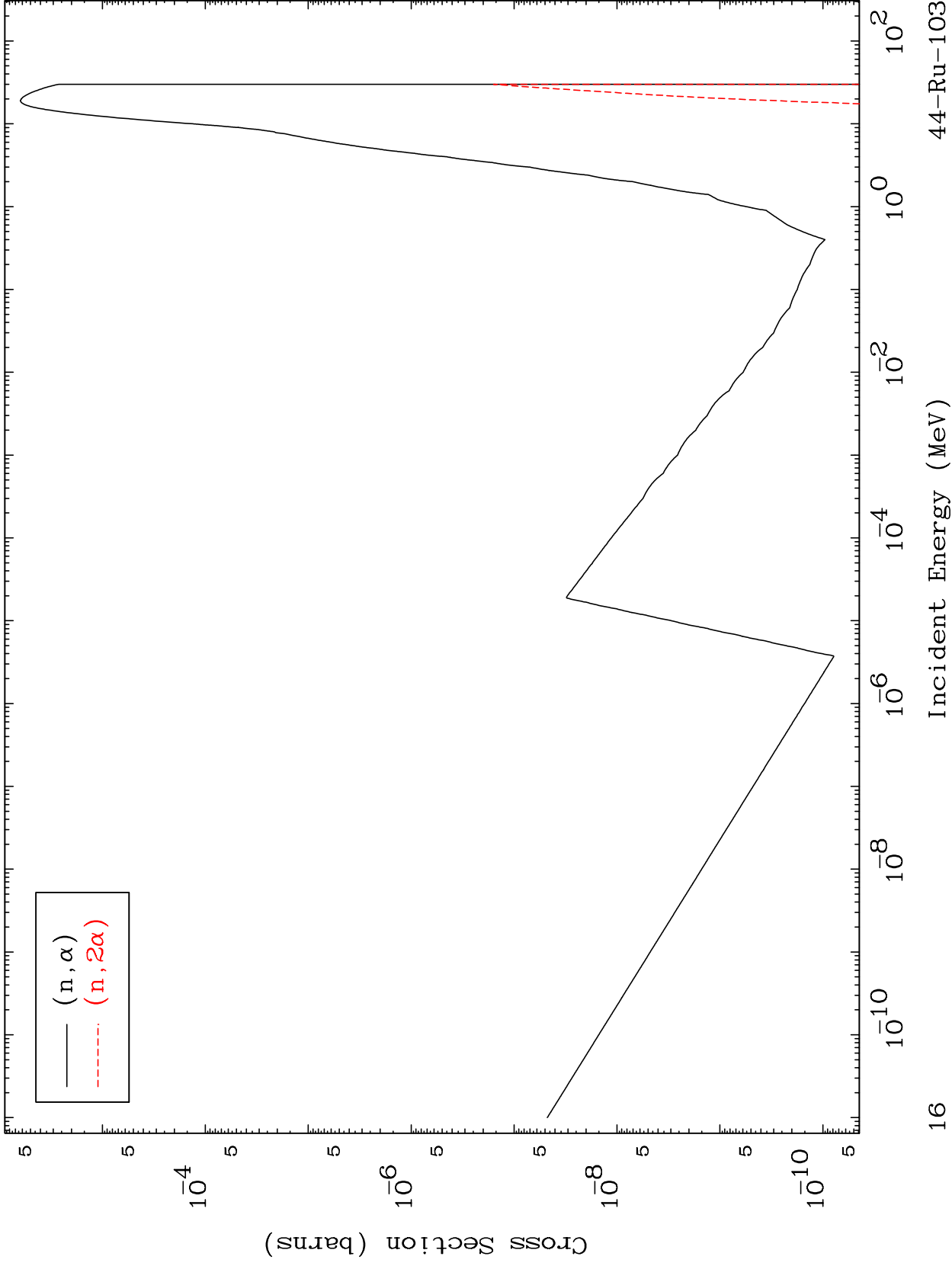
Incident Energy (MeV)

44-Ru-103

MAT 4446

(n, α) Levels
293 Kelvin Cross Sections

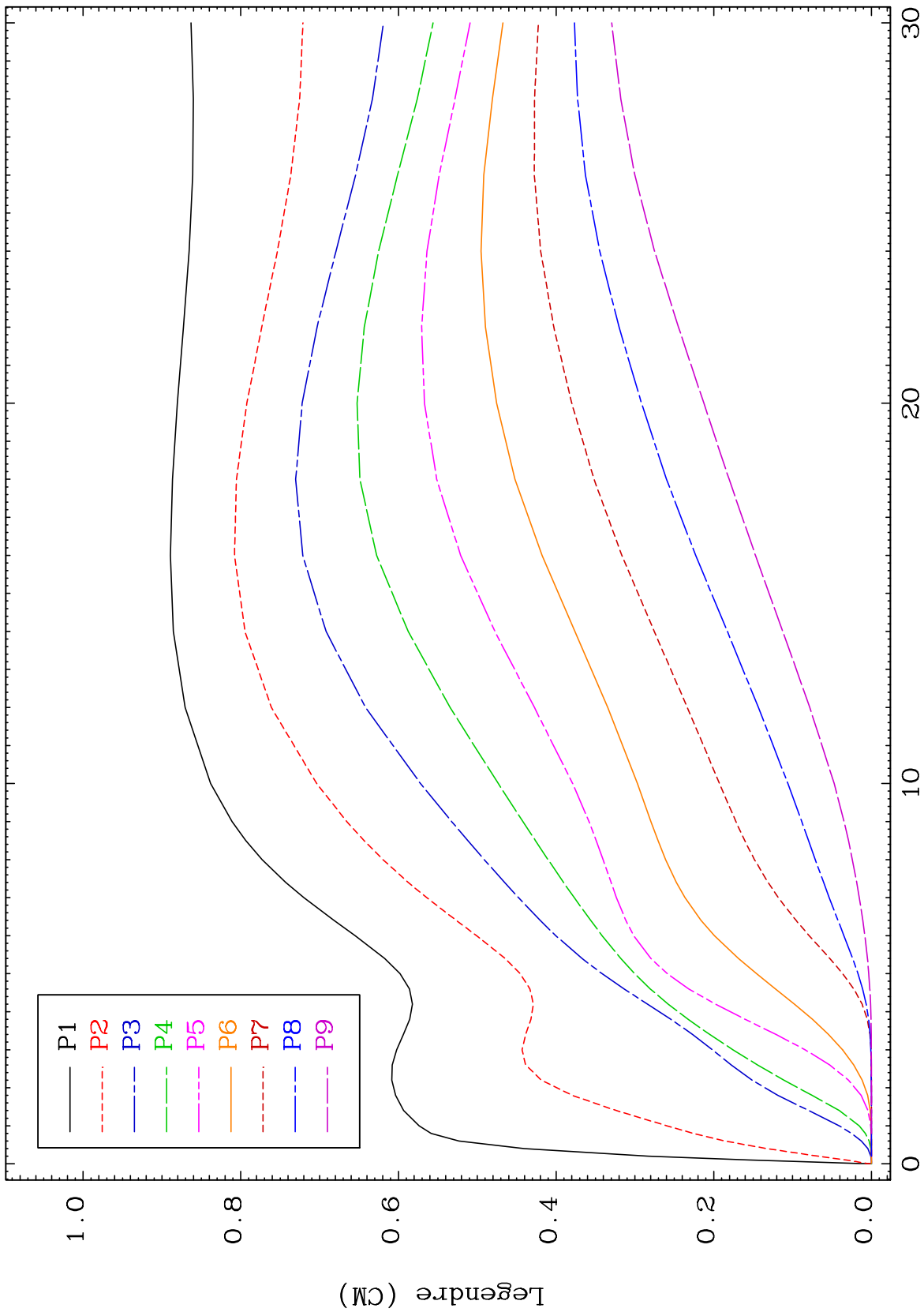
44-Ru-103



MAT 4446

Elastic Legendre Coefficients

44-Ru-103



17

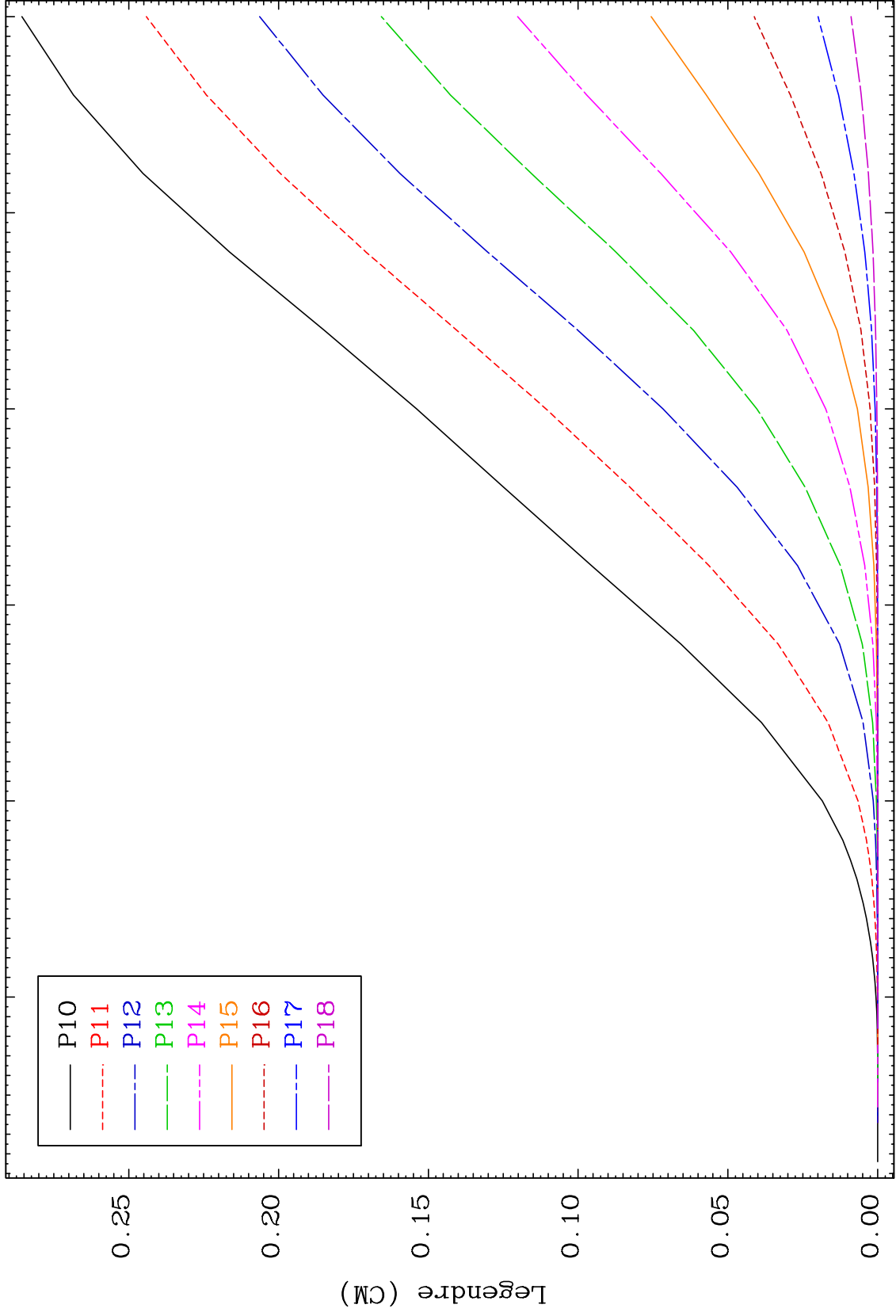
Incident Energy (MeV)

44-Ru-103

MAT 4446

Elastic
Legendre Coefficients

44-Ru-103



18

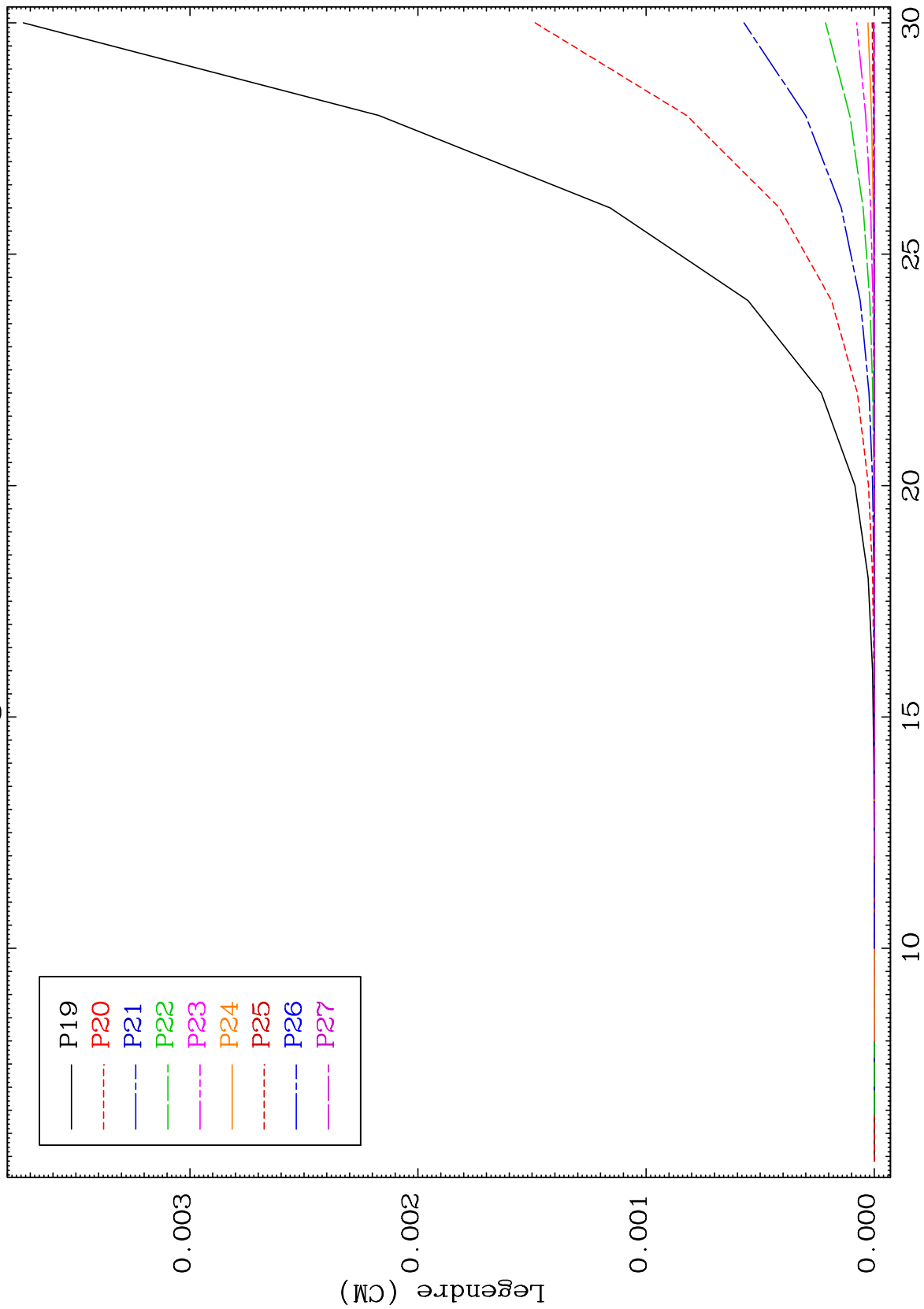
Incident Energy (MeV)

44-Ru-103

MAT 4446

Elastic Legendre Coefficients

44-Ru-103



19

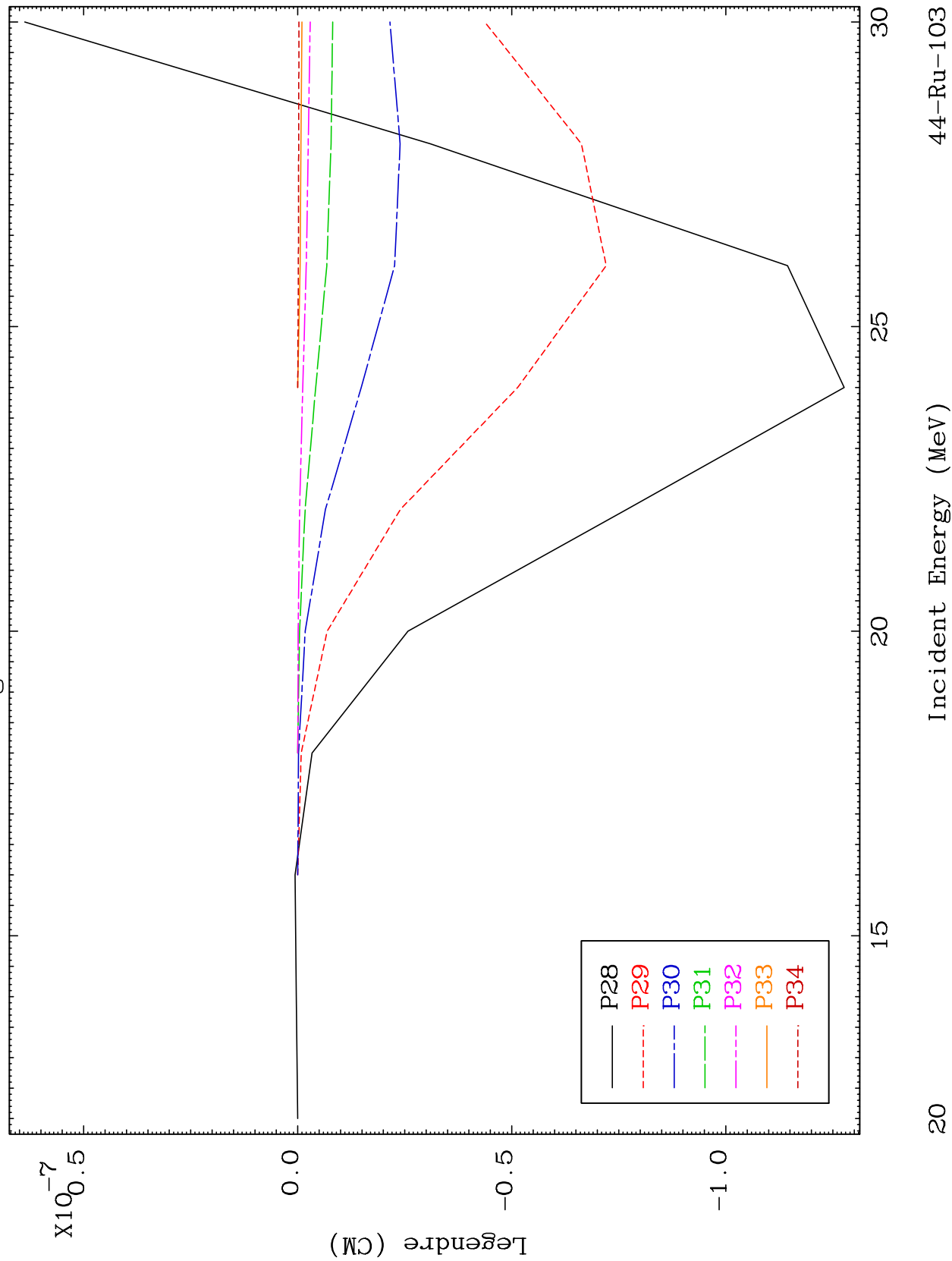
Incident Energy (MeV)

44-Ru-103

MAT 4446

Elastic Legendre Coefficients

44-Ru-103



20

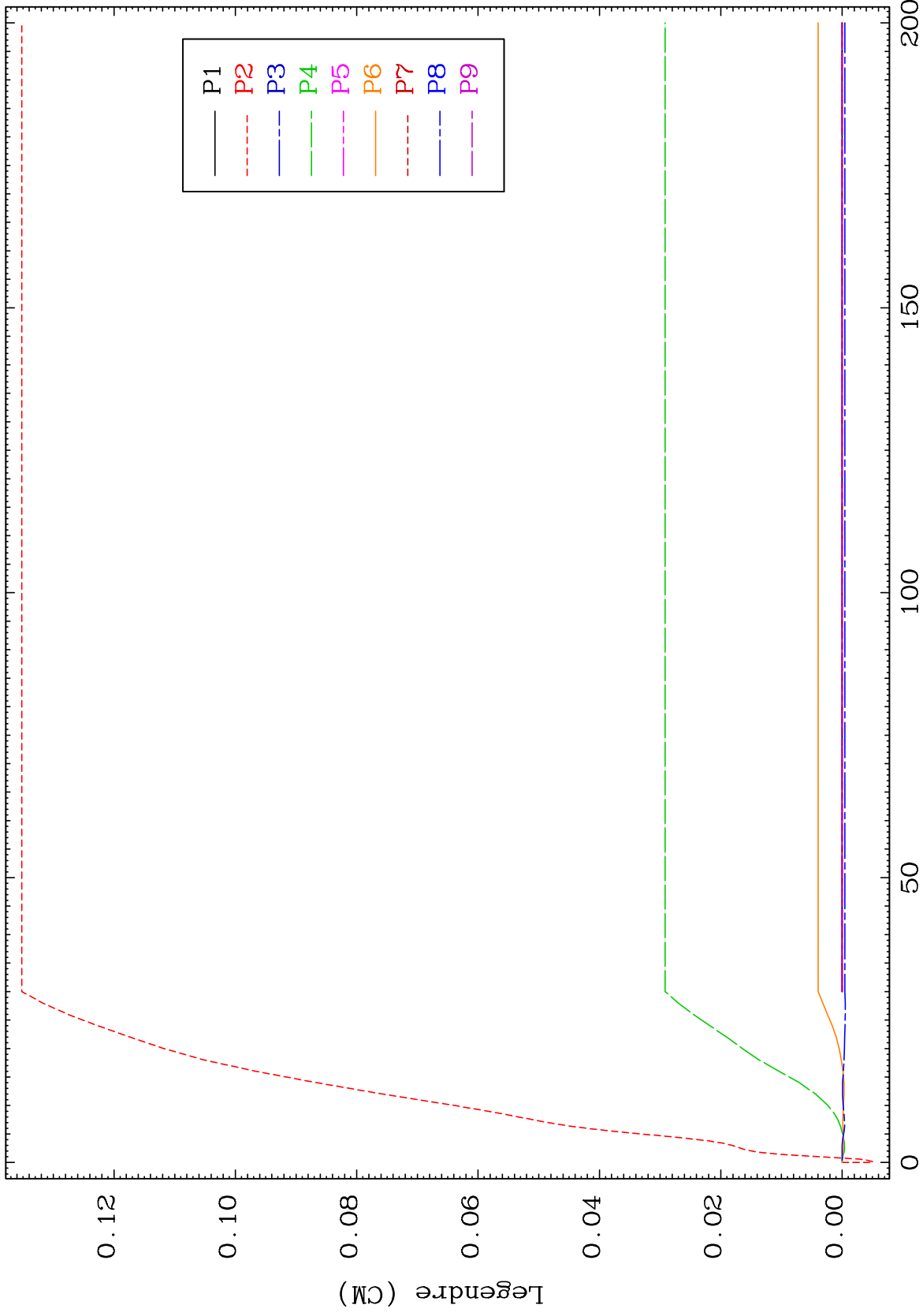
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



21

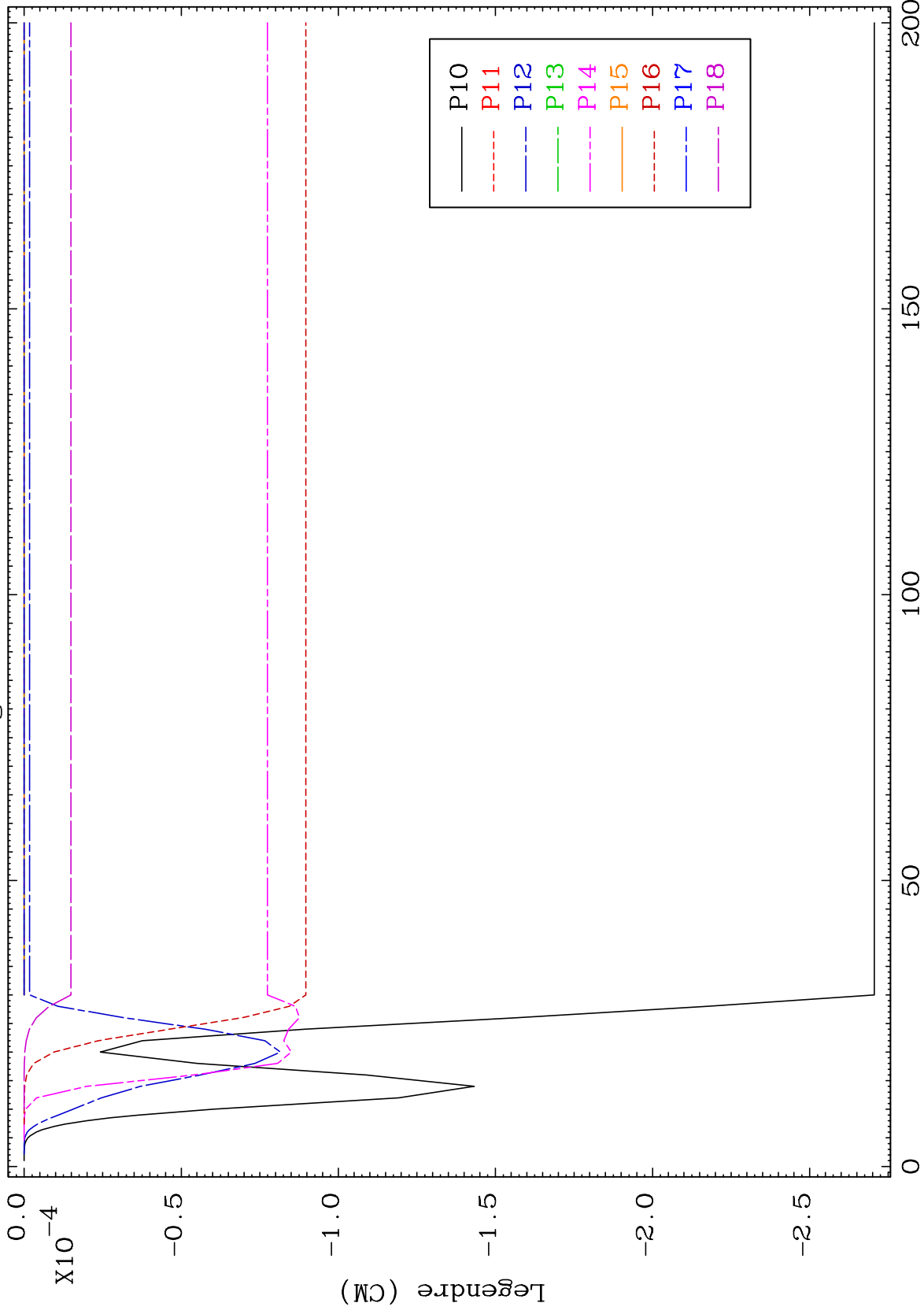
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



22

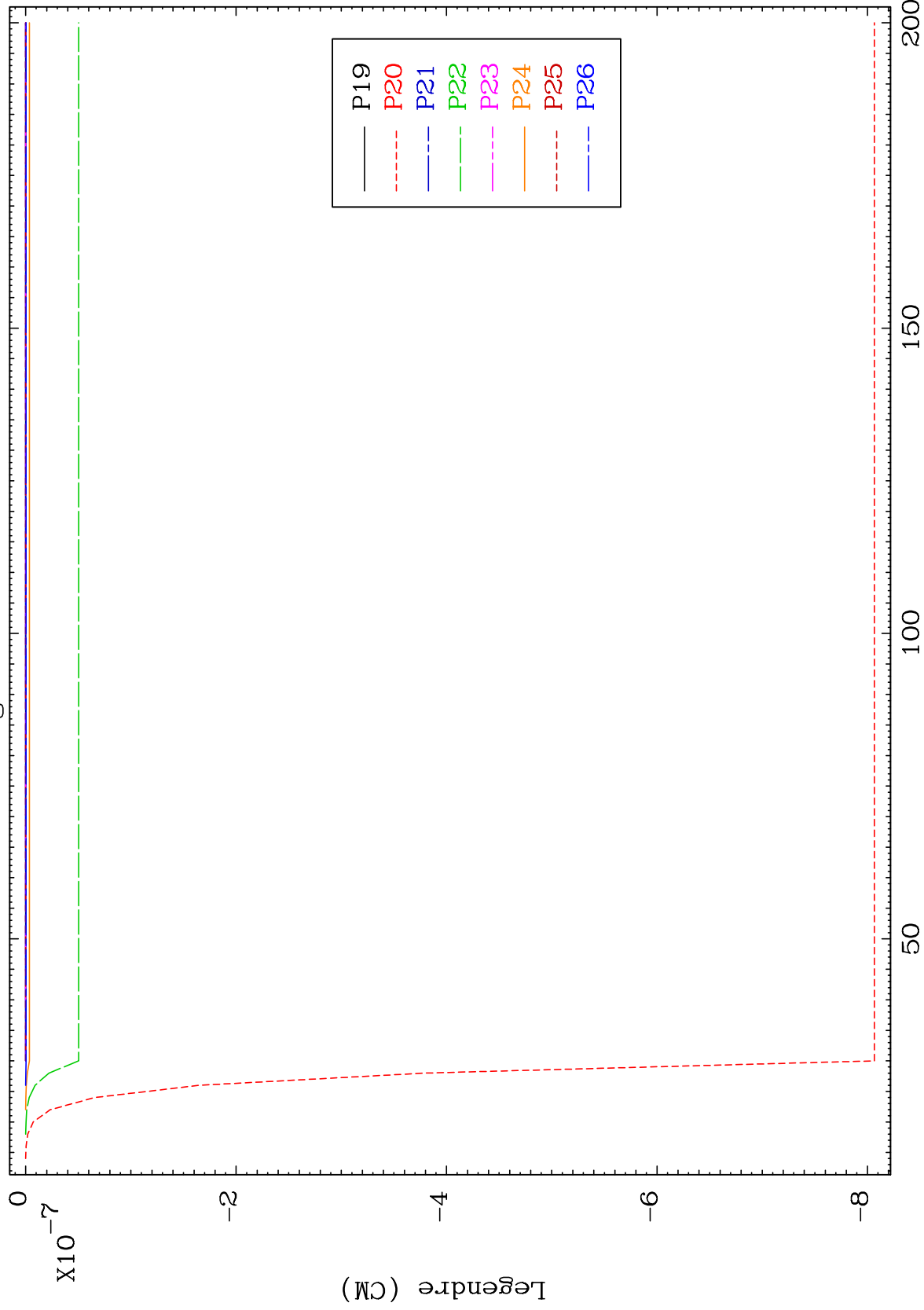
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

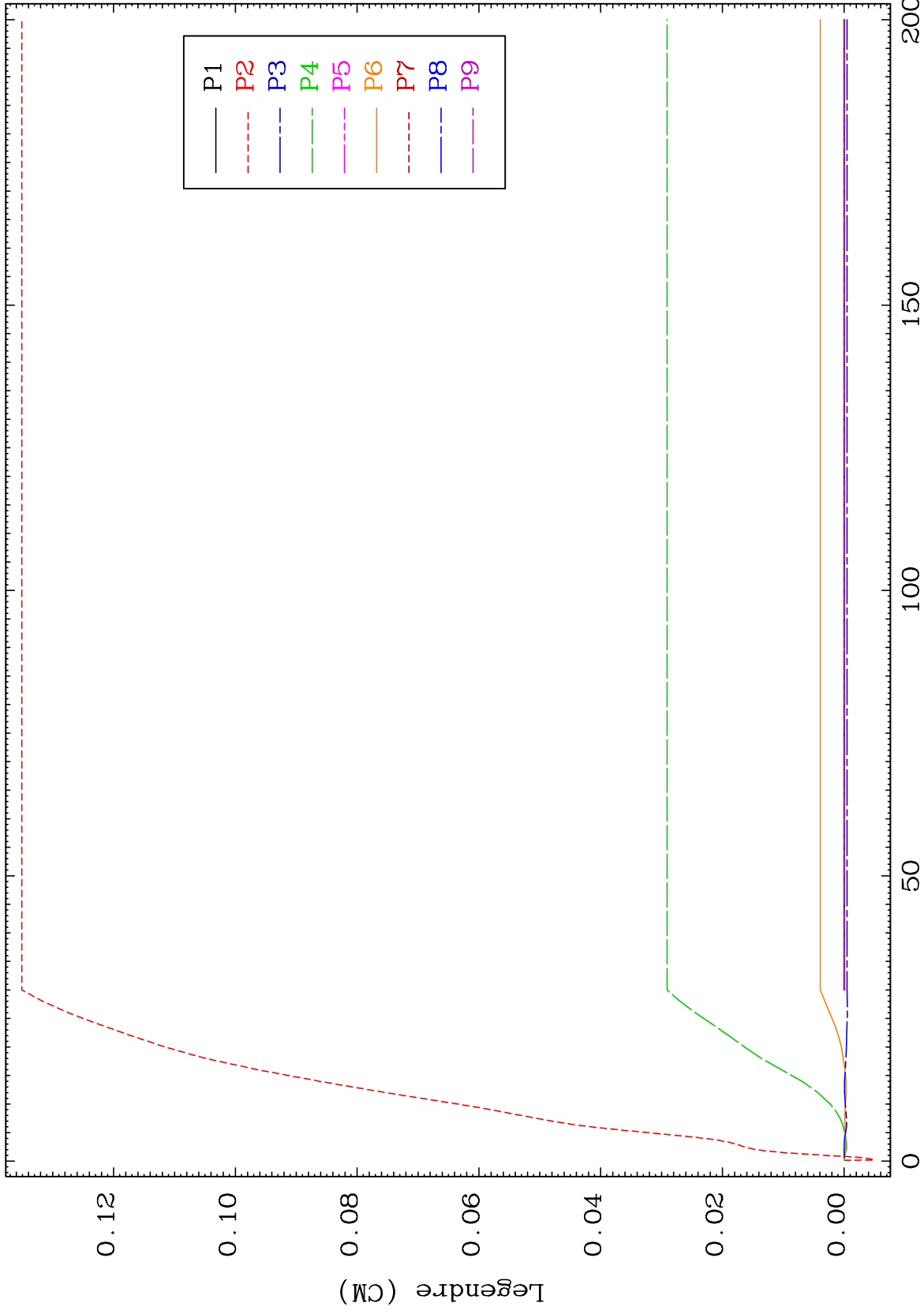
44-Ru-103



MAT 4446

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

44-Ru-103



24

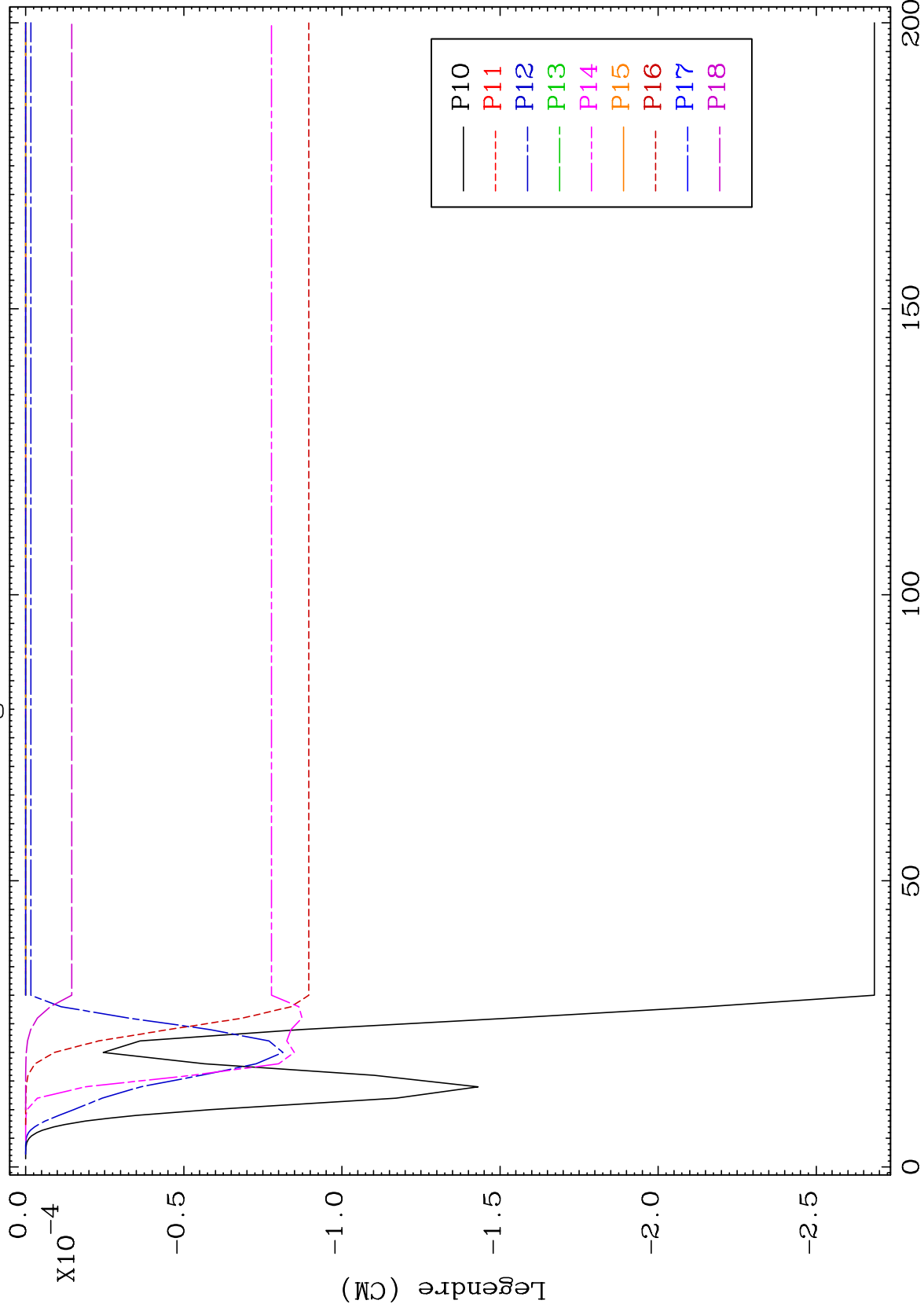
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



25

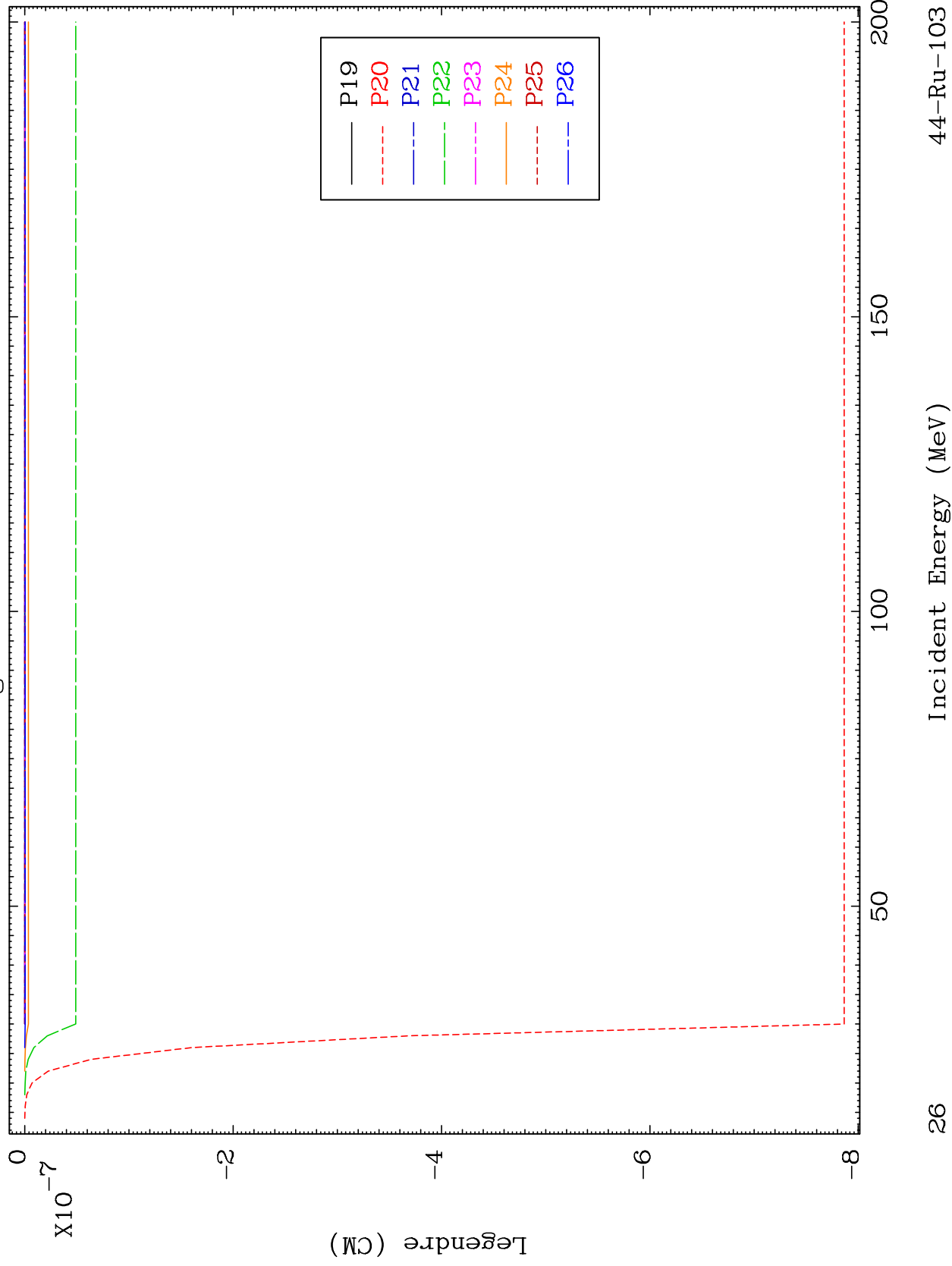
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



26

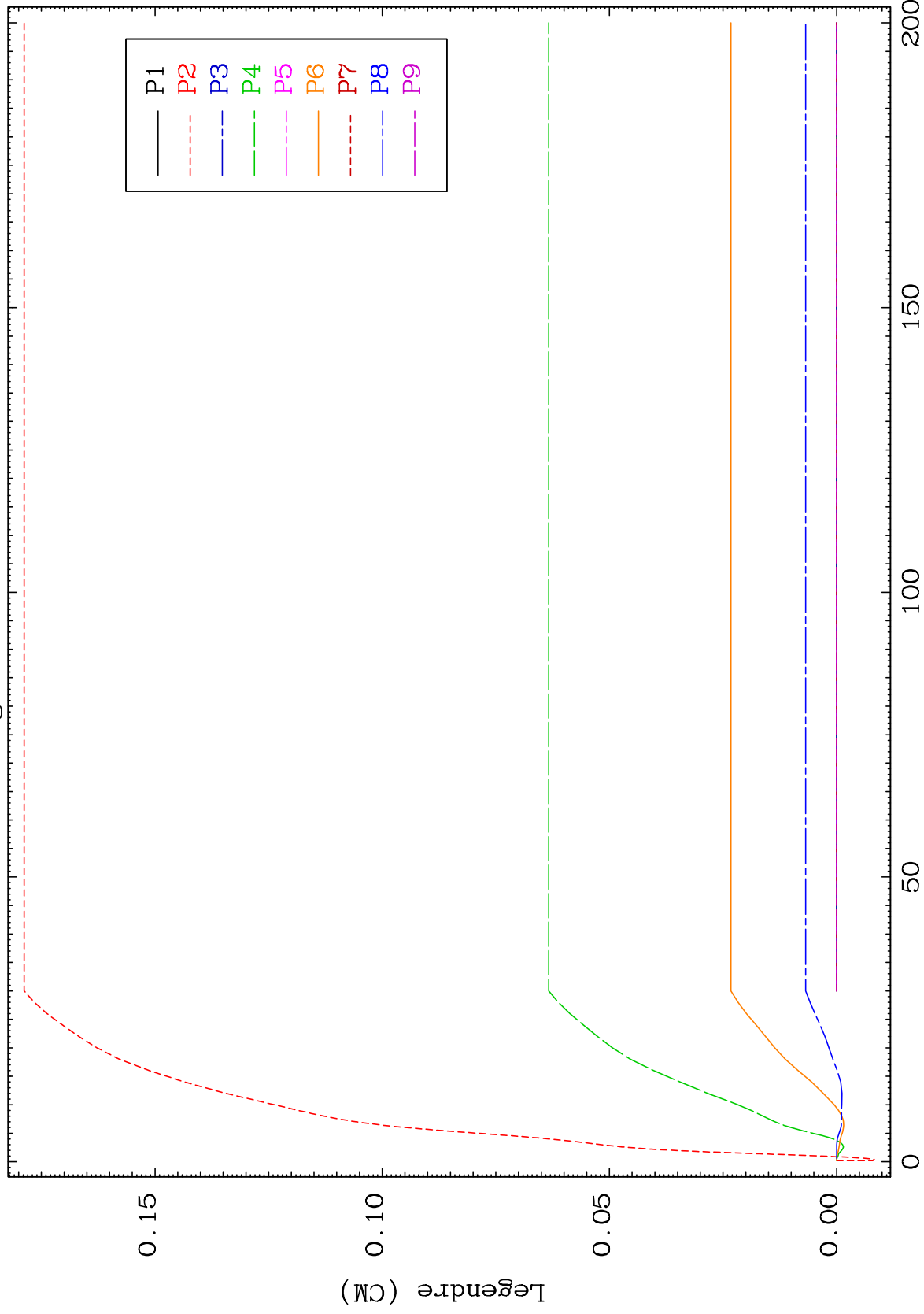
Incident Energy (MeV)

44-Ru-103

MAT 4446

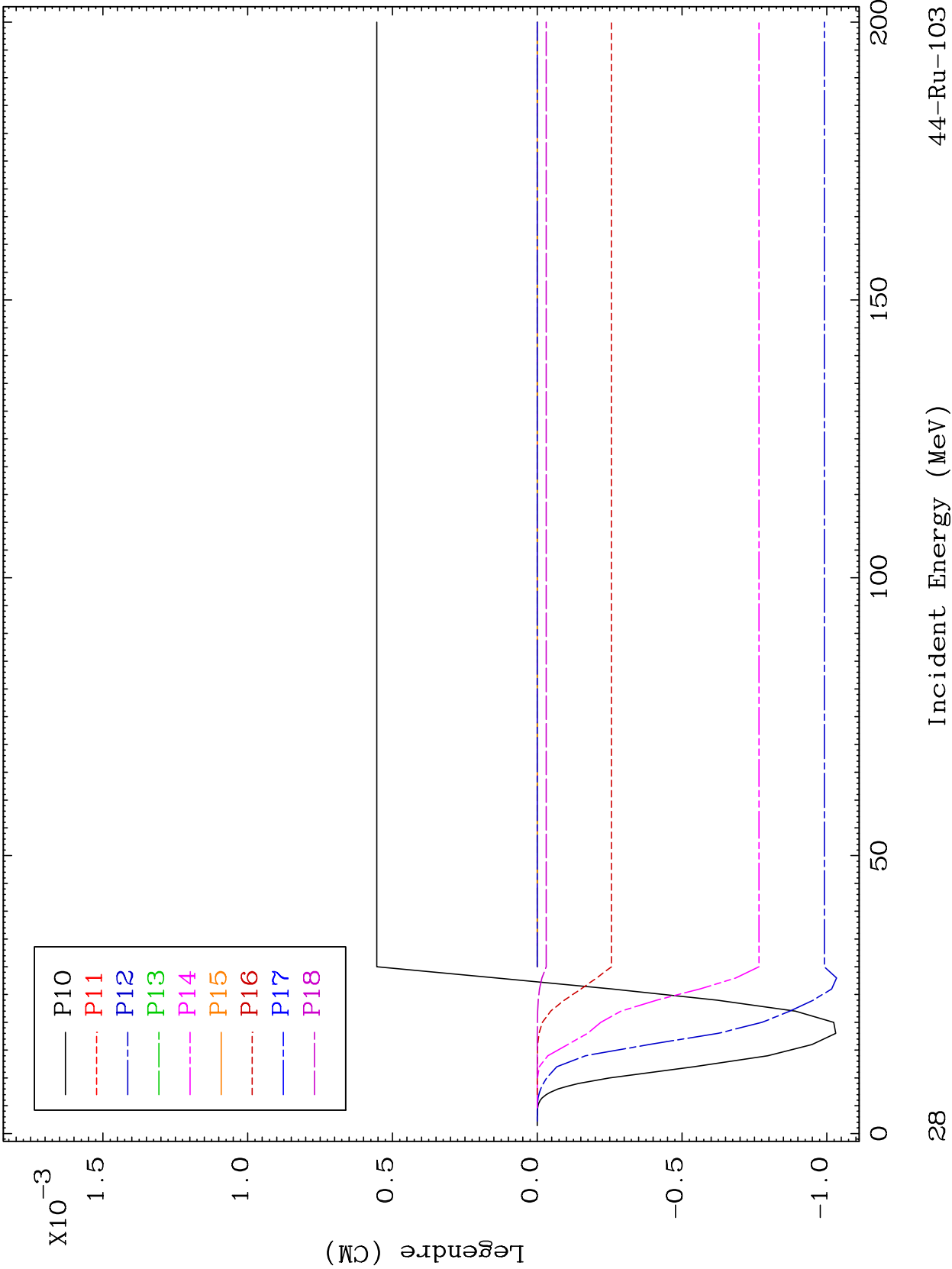
MT= 53 (n,n') Level
Legendre Coefficients

44-Ru-103



27

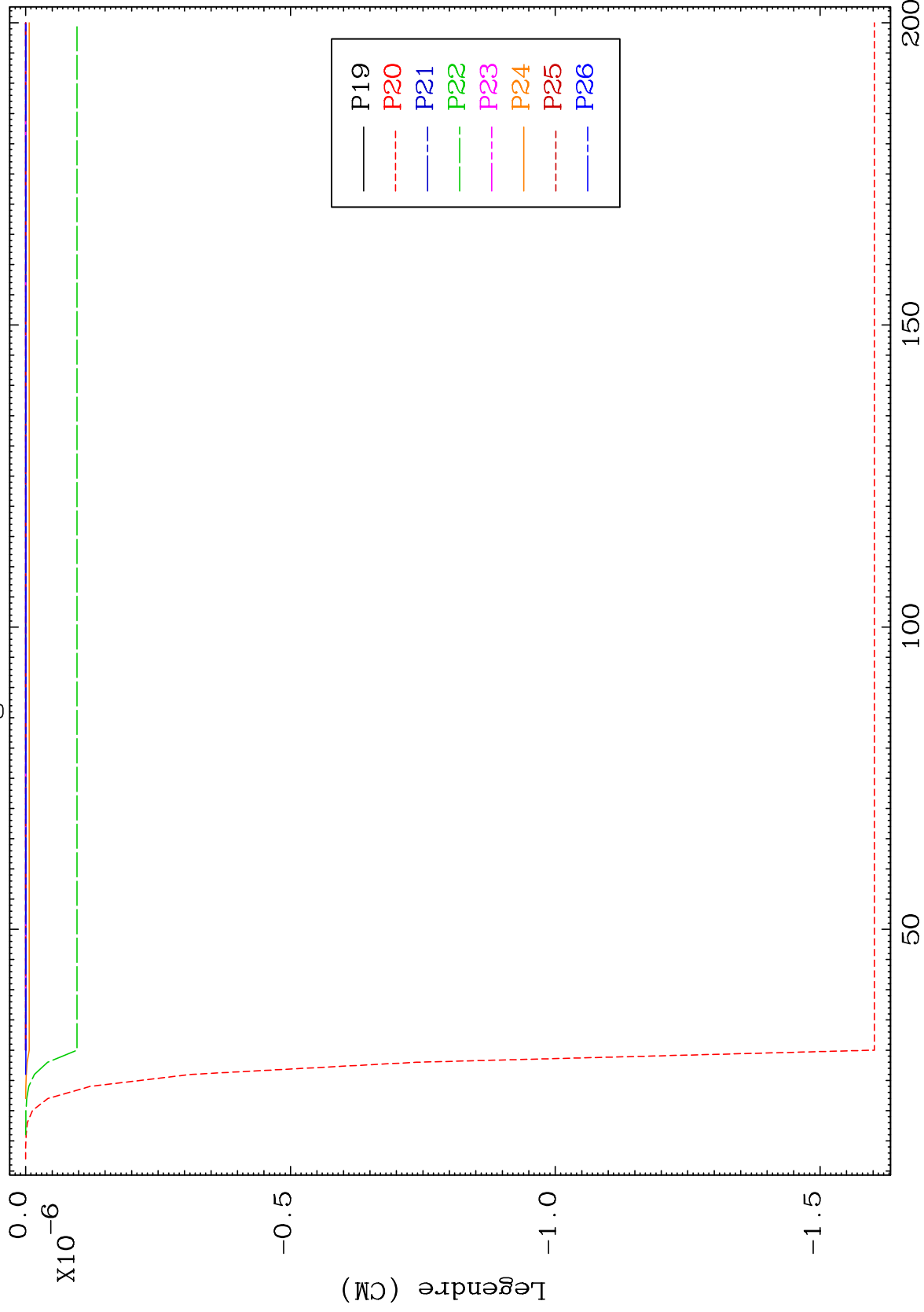
44-Ru-103



MAT 4446

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

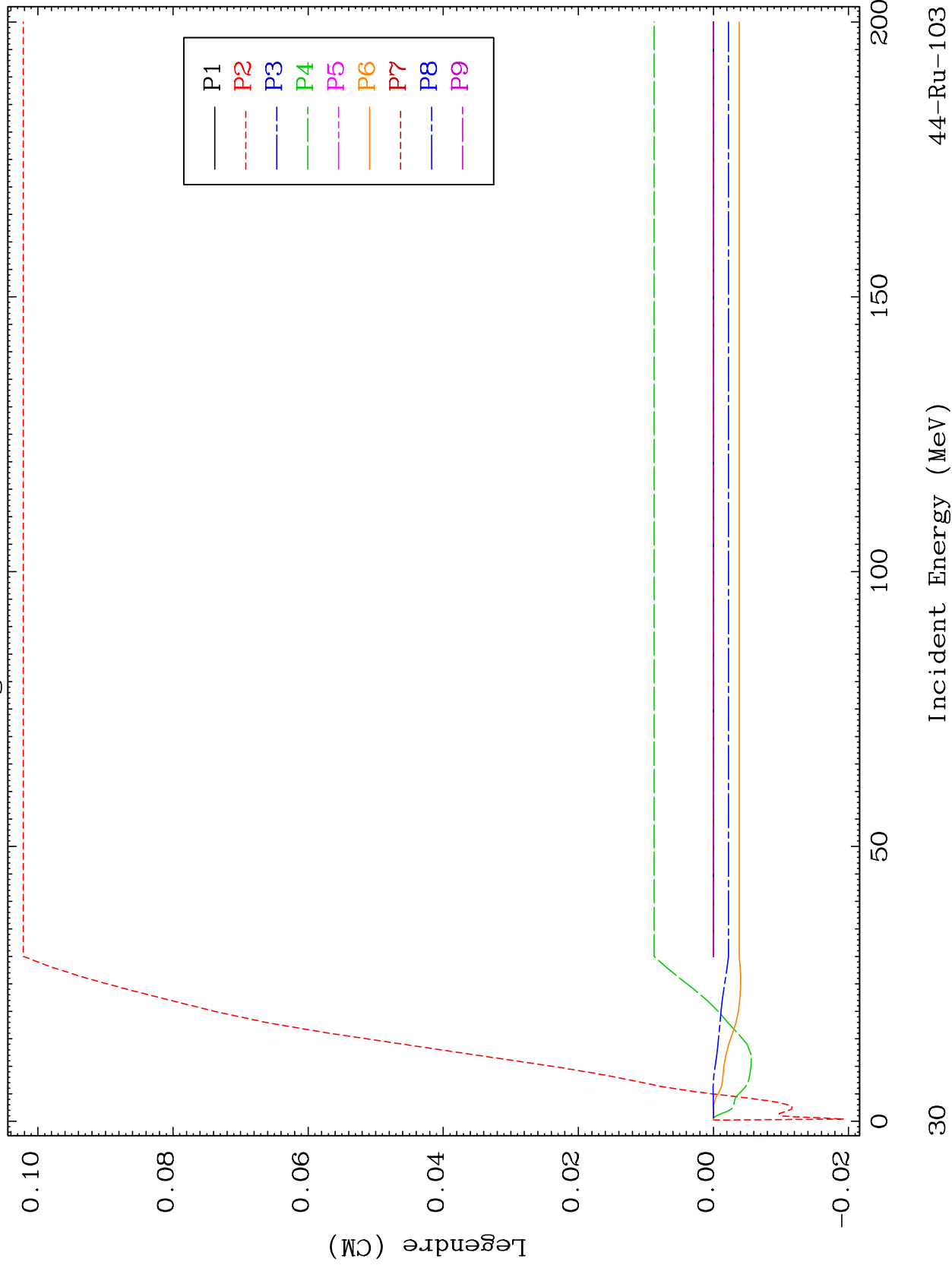
44-Ru-103



MAT 4446

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

44-Ru-103

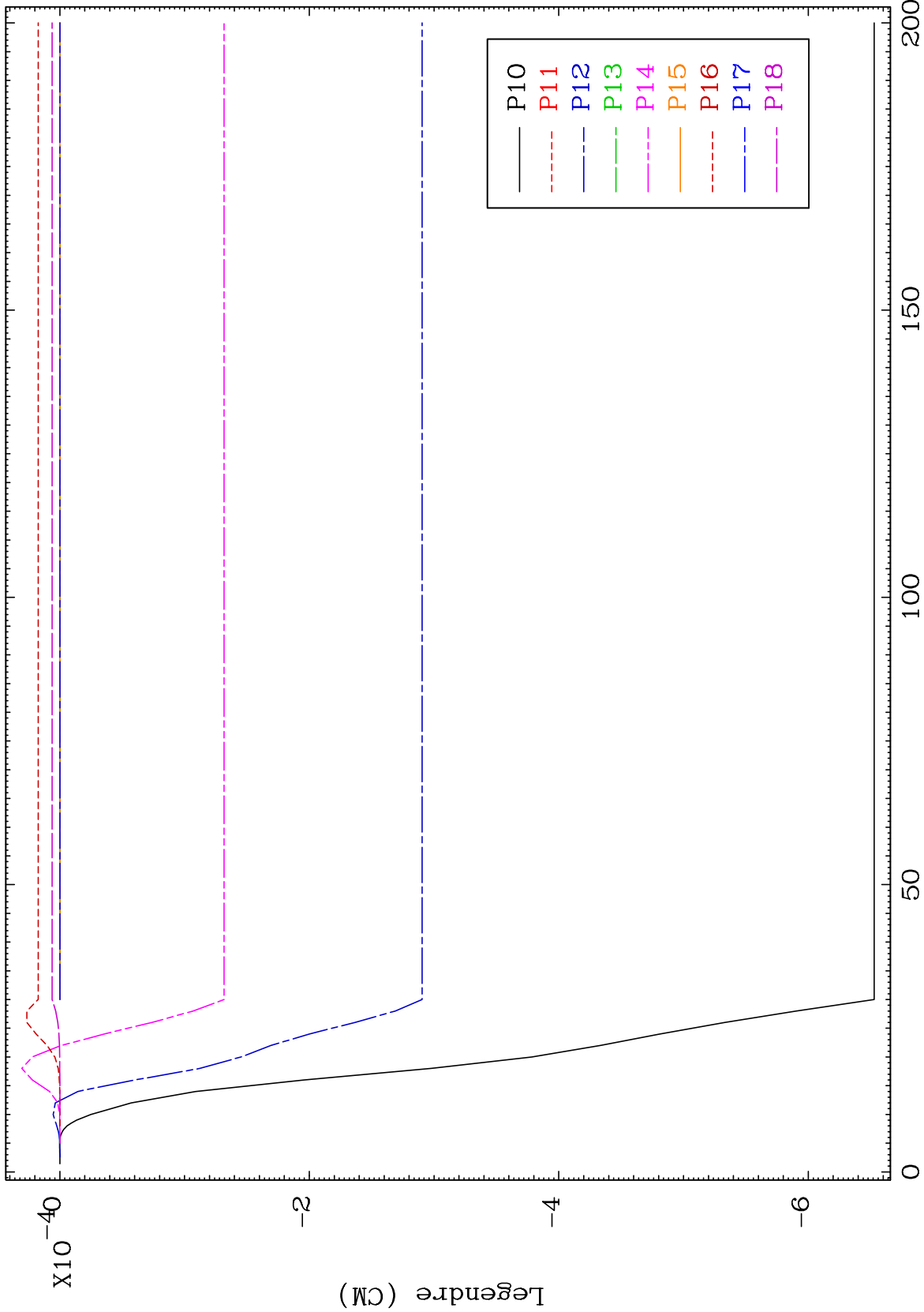


44-Ru-103

MAT 4446

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

44-Ru-103



31

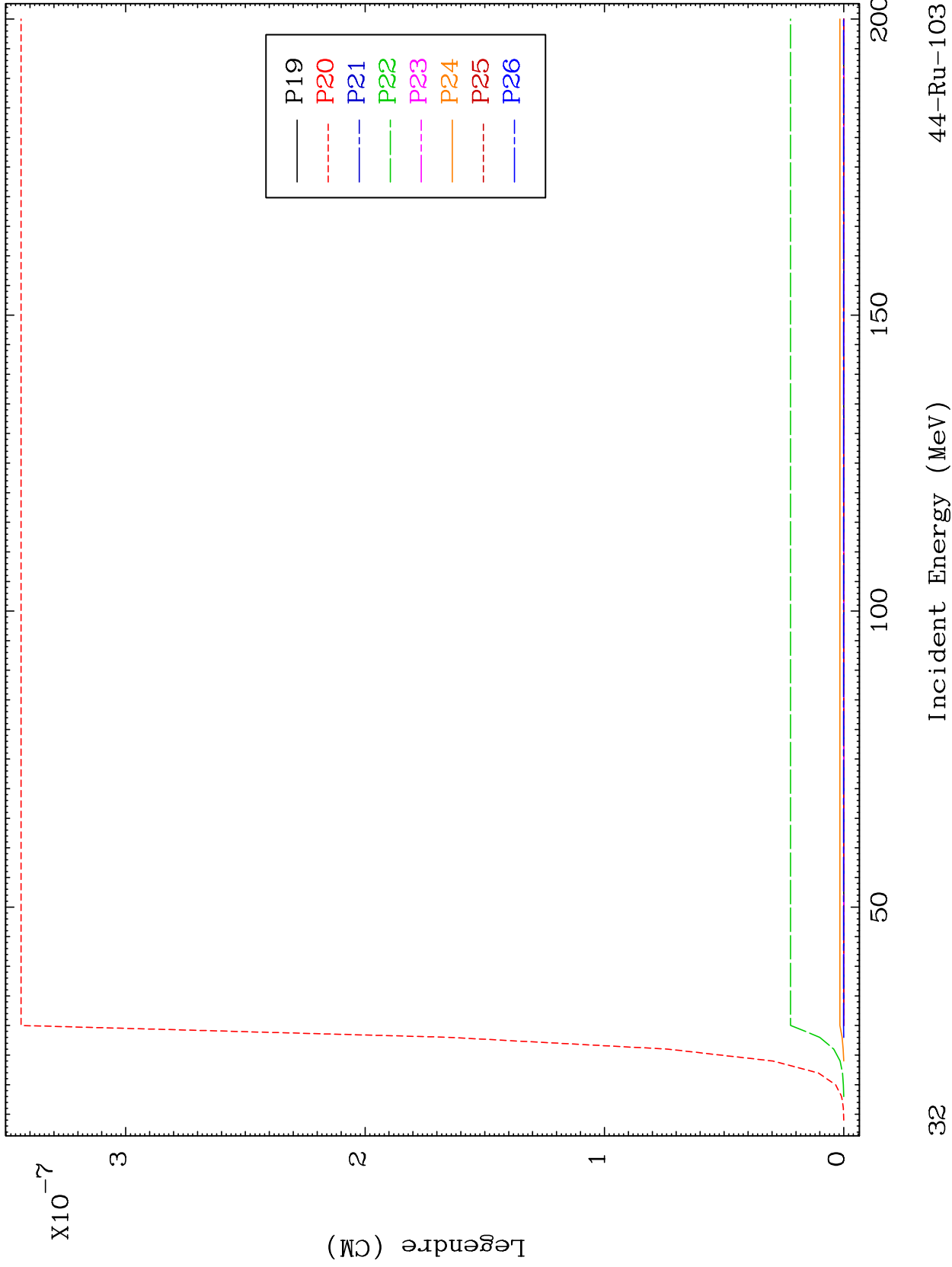
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



32

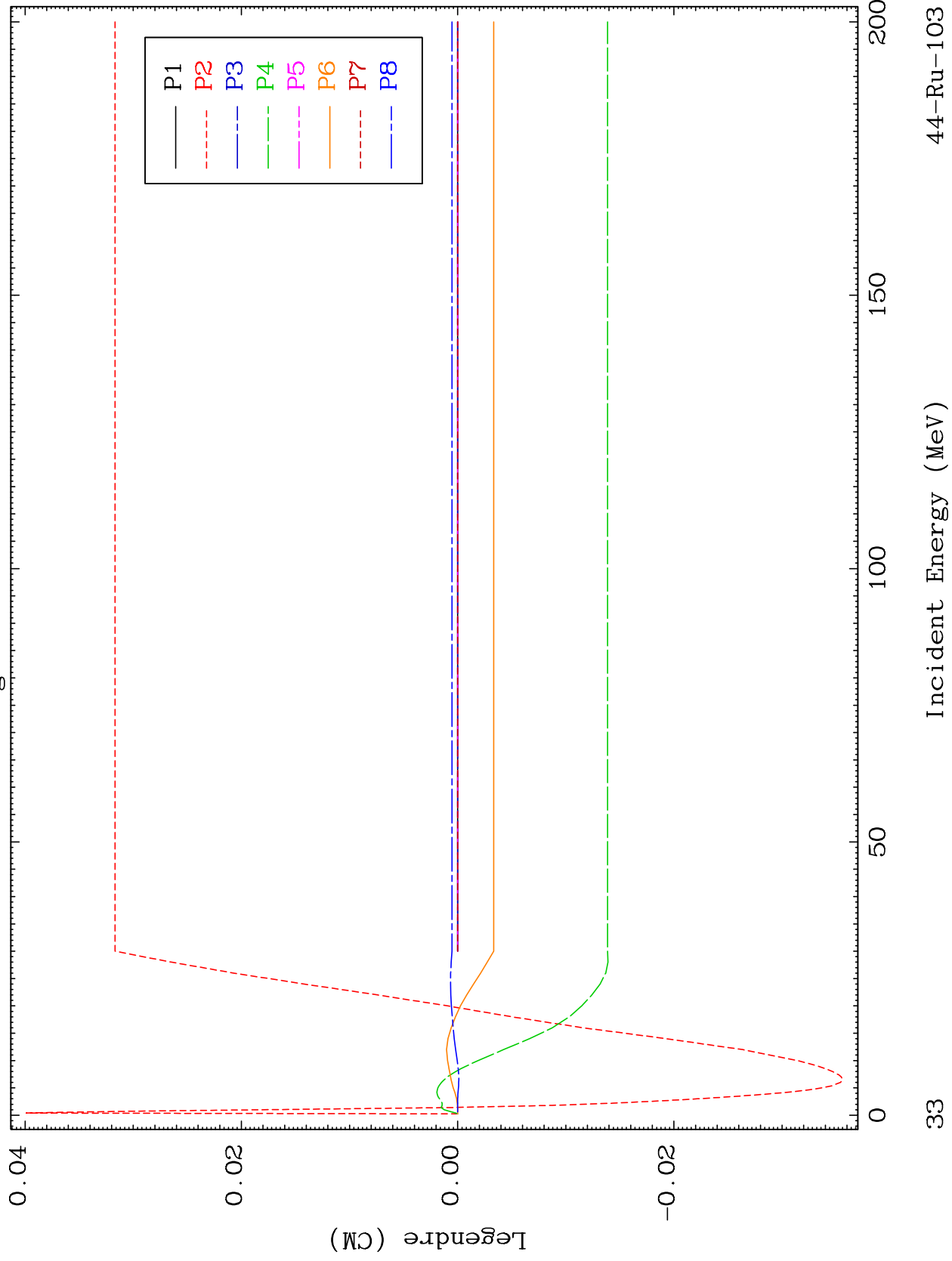
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103

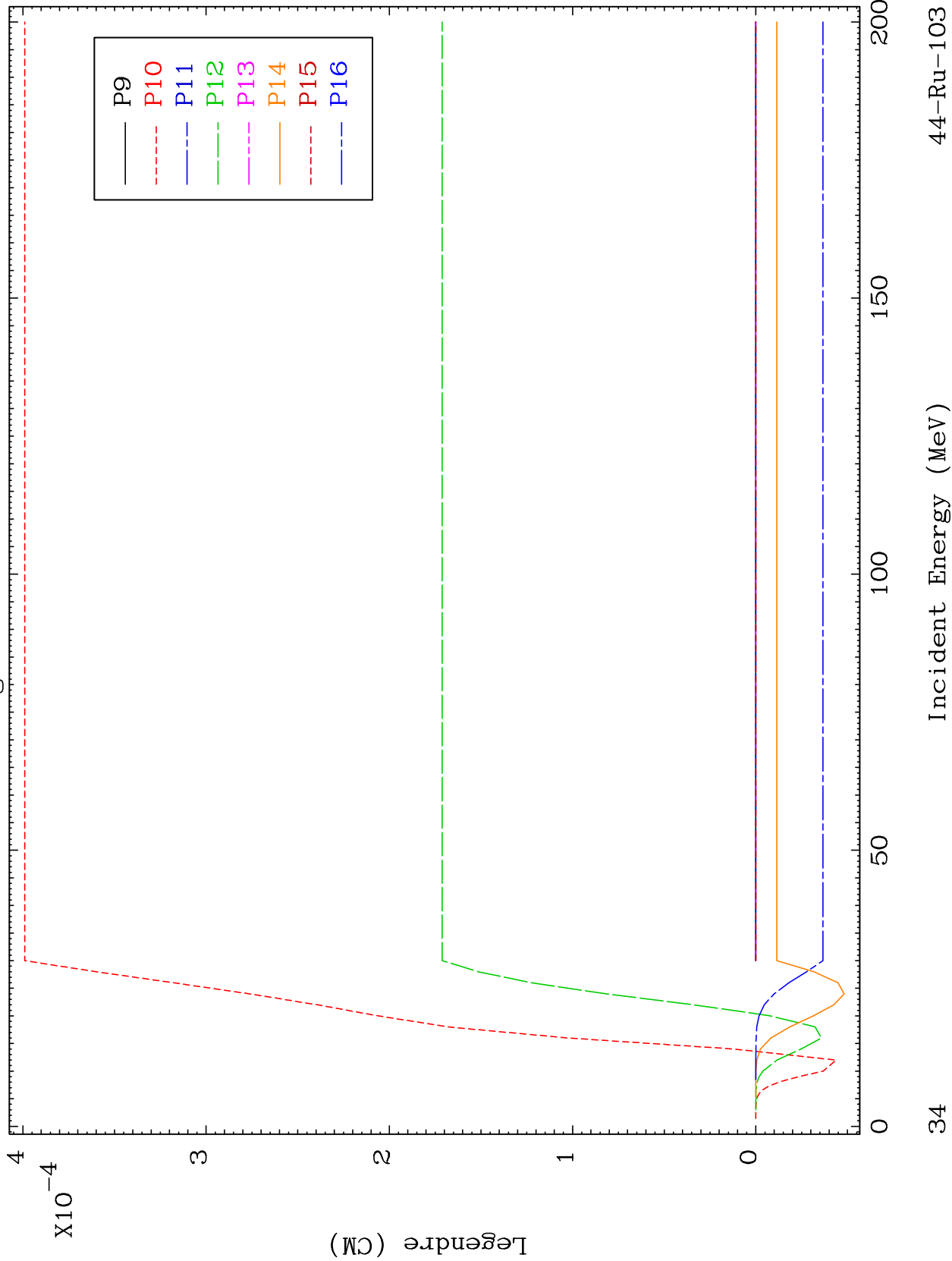


33

MAT 4446

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

44-Ru-103



34

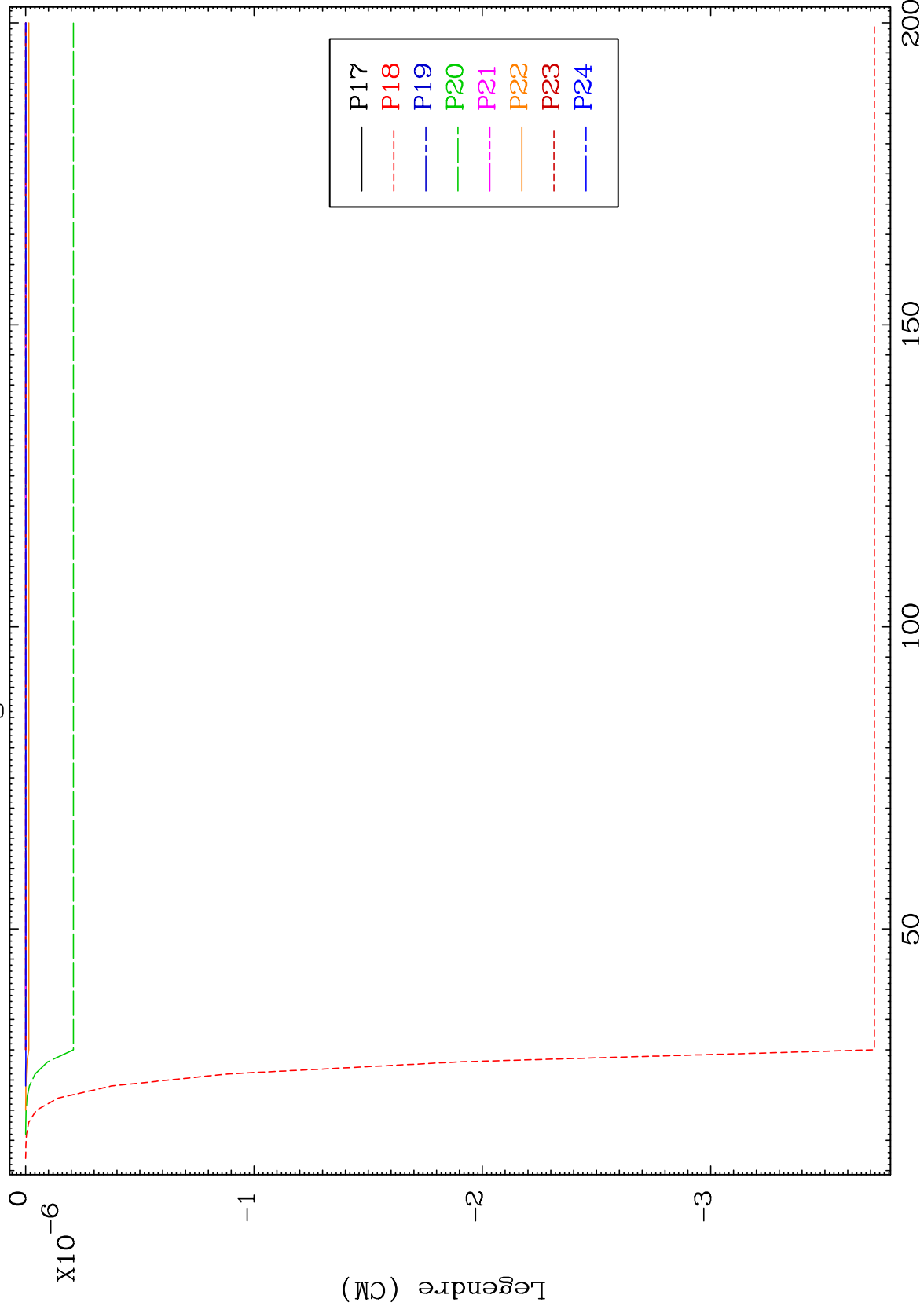
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



35

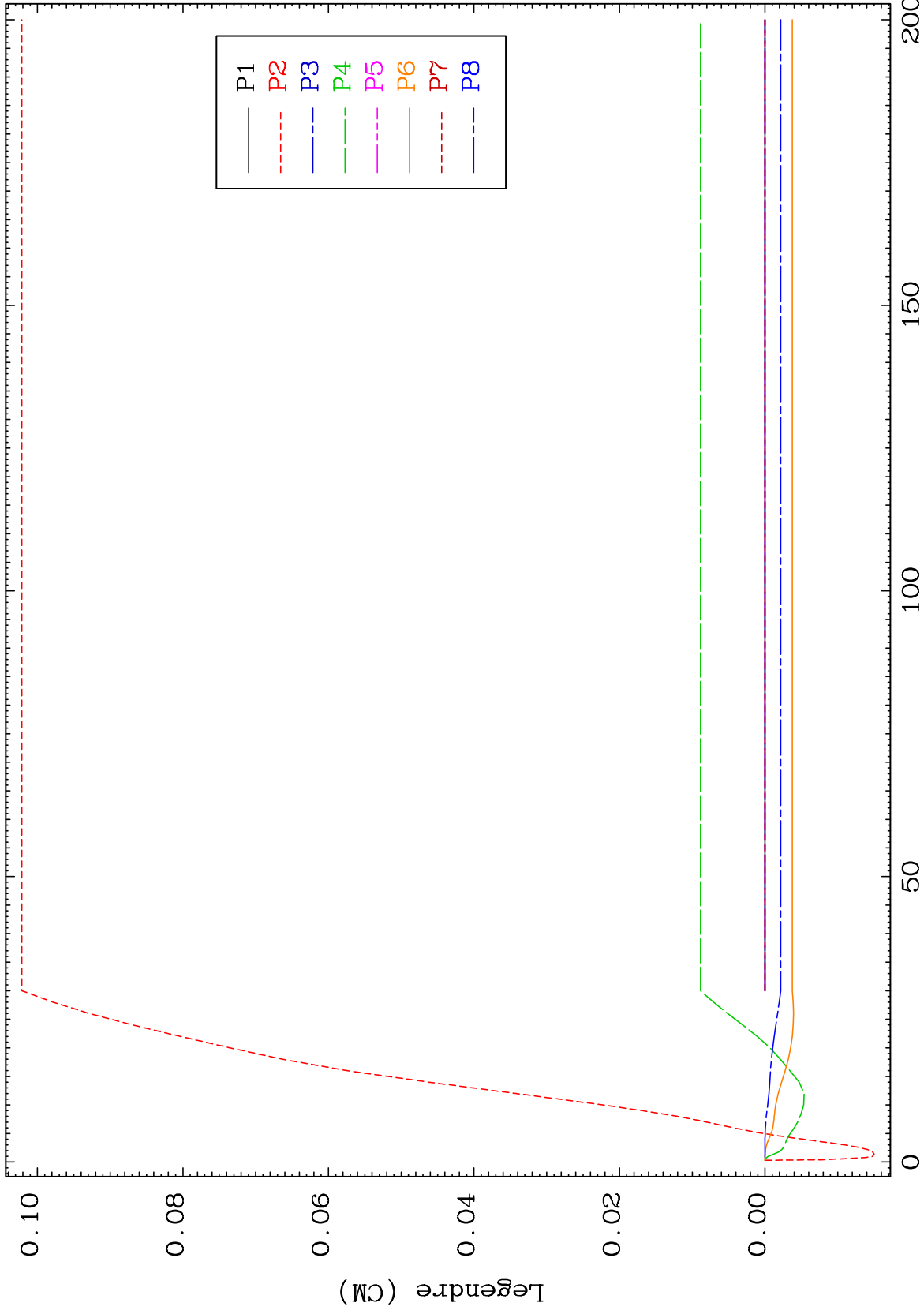
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



36

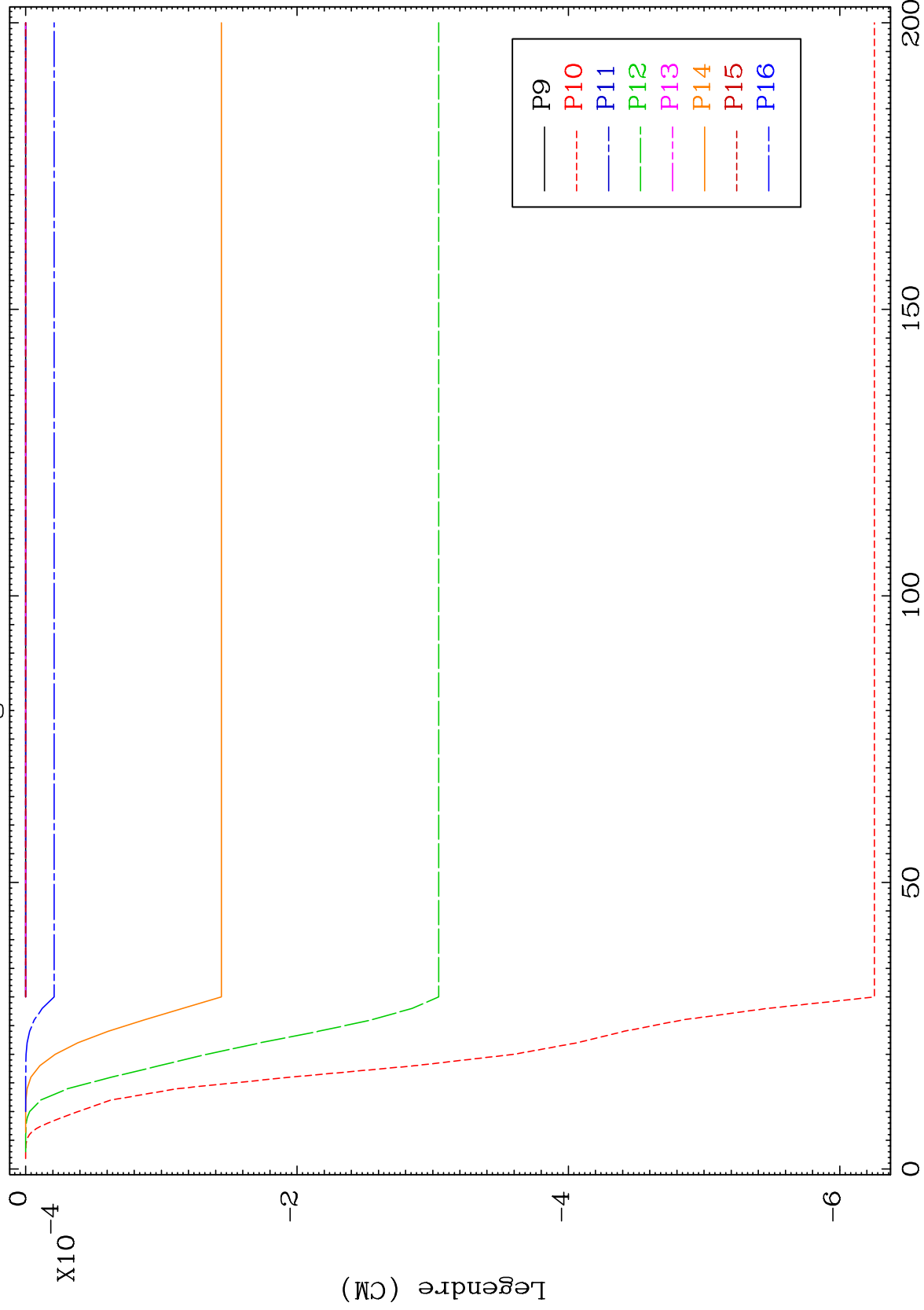
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



37

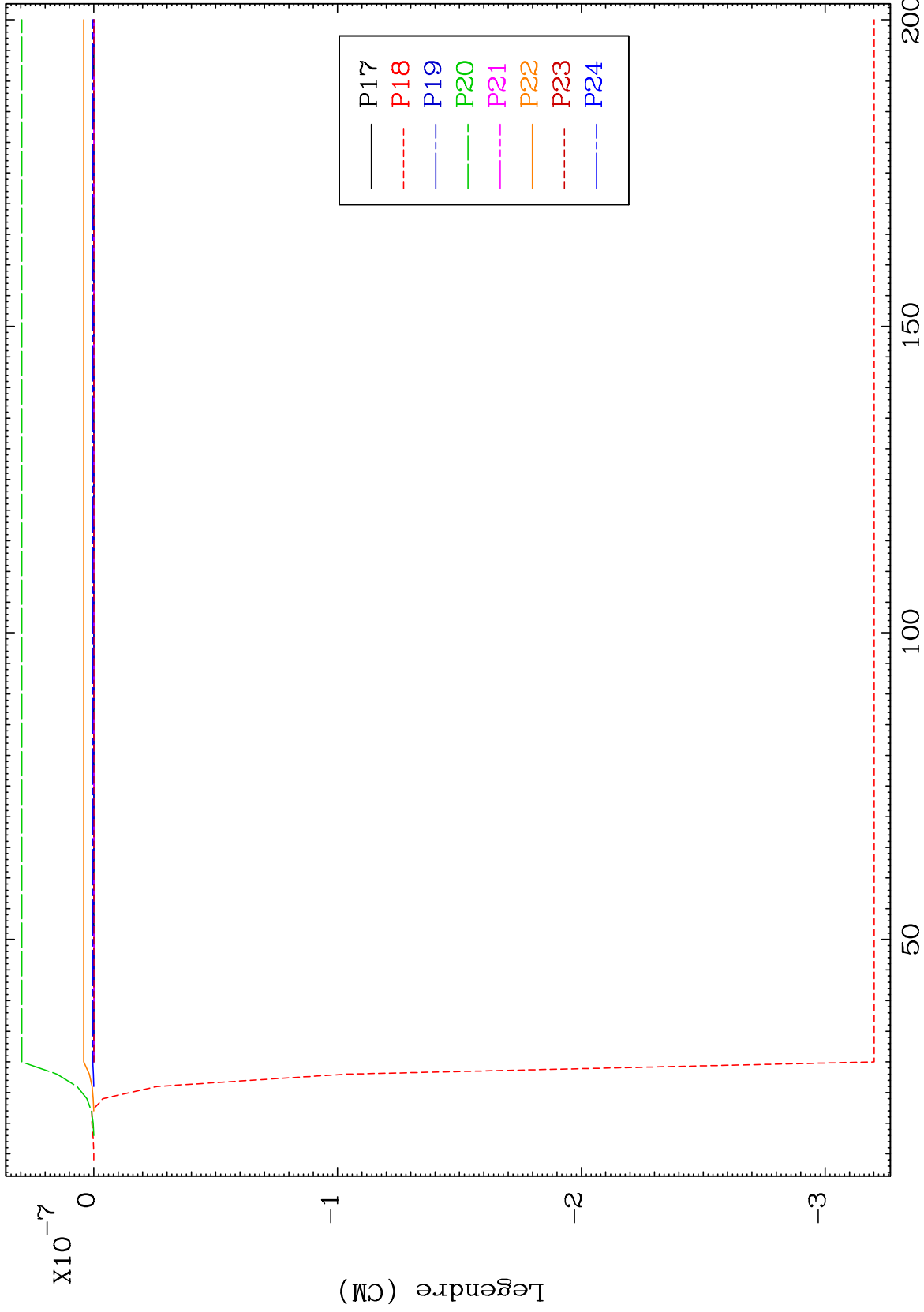
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



38

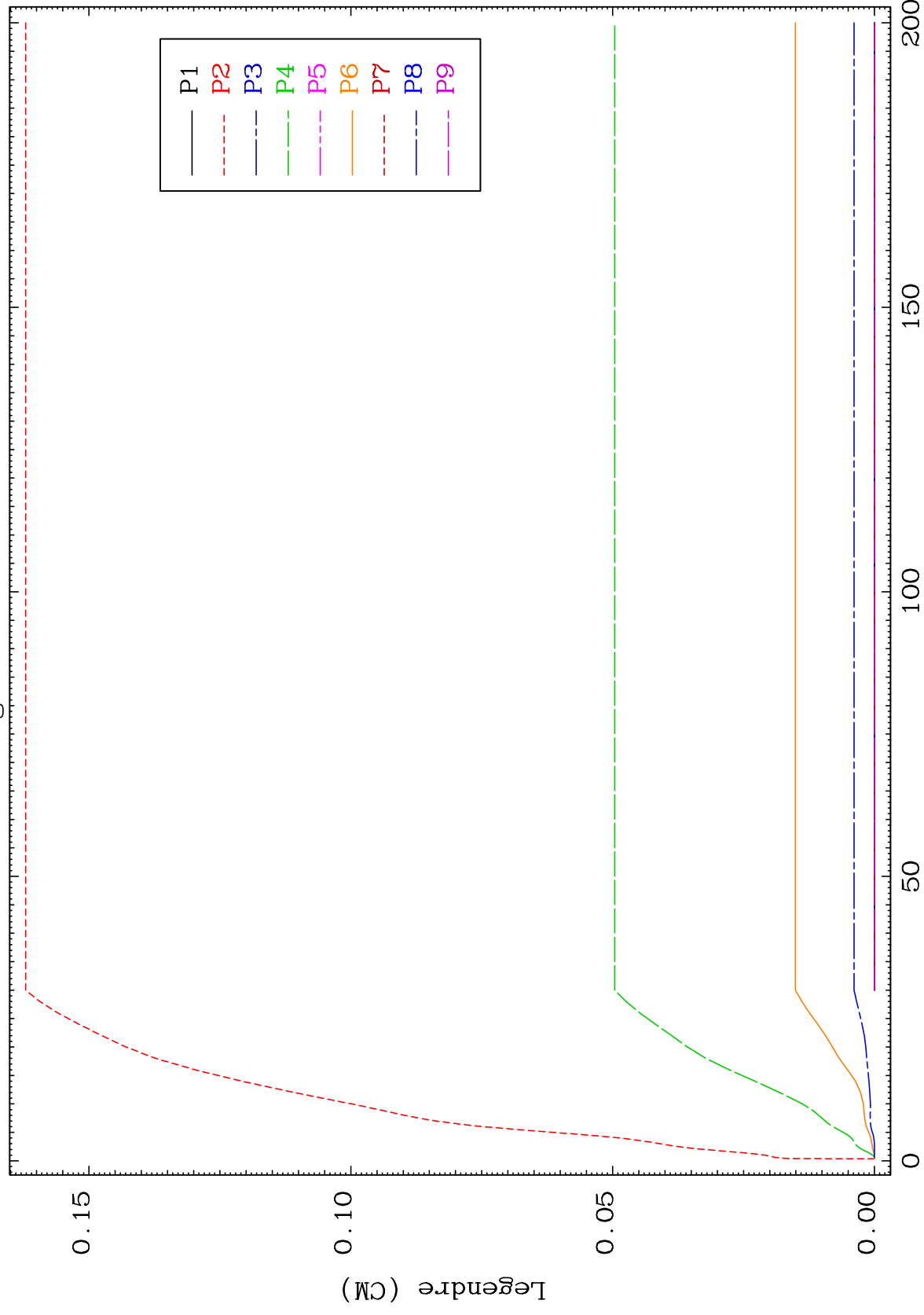
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



39

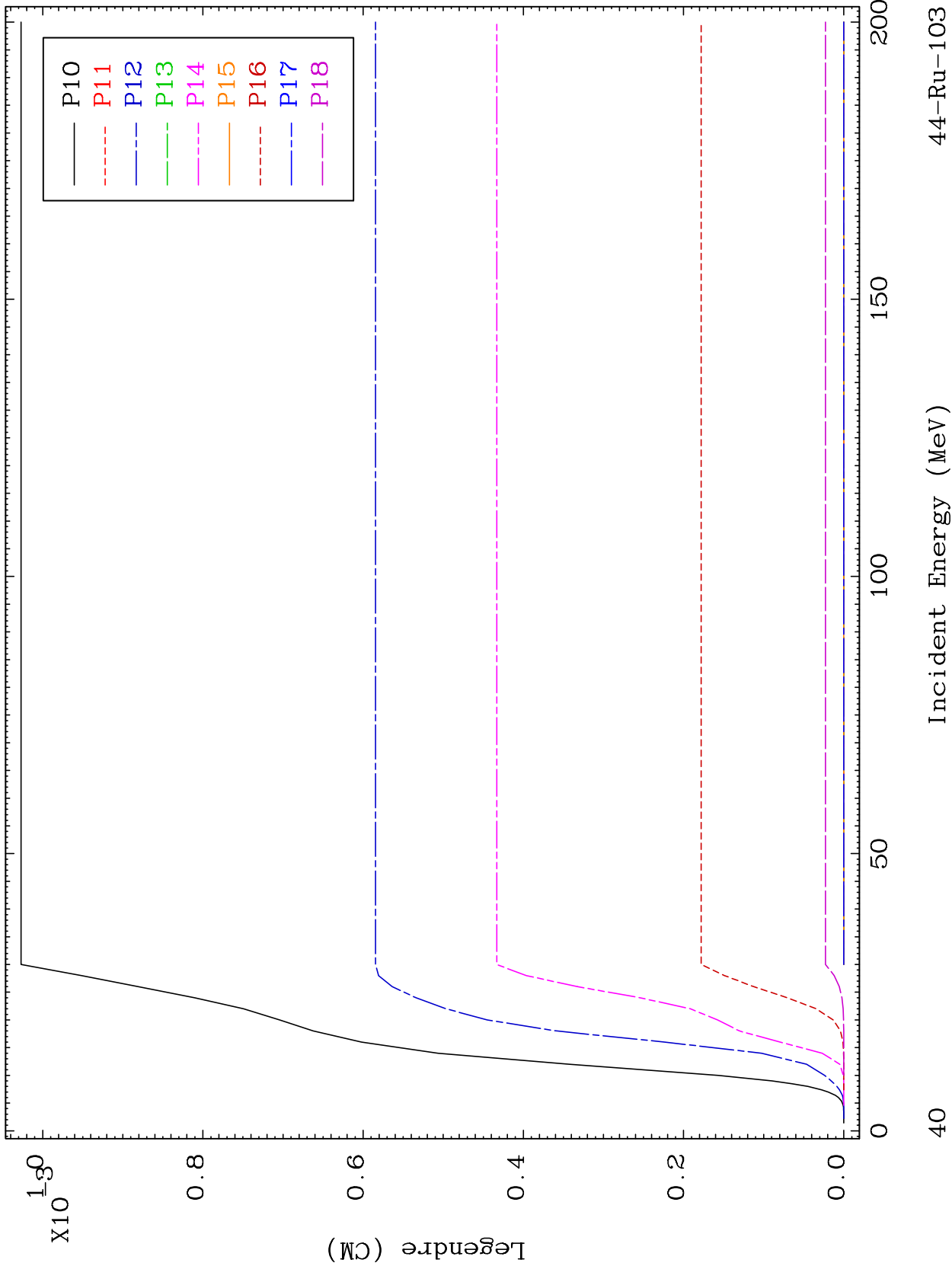
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103

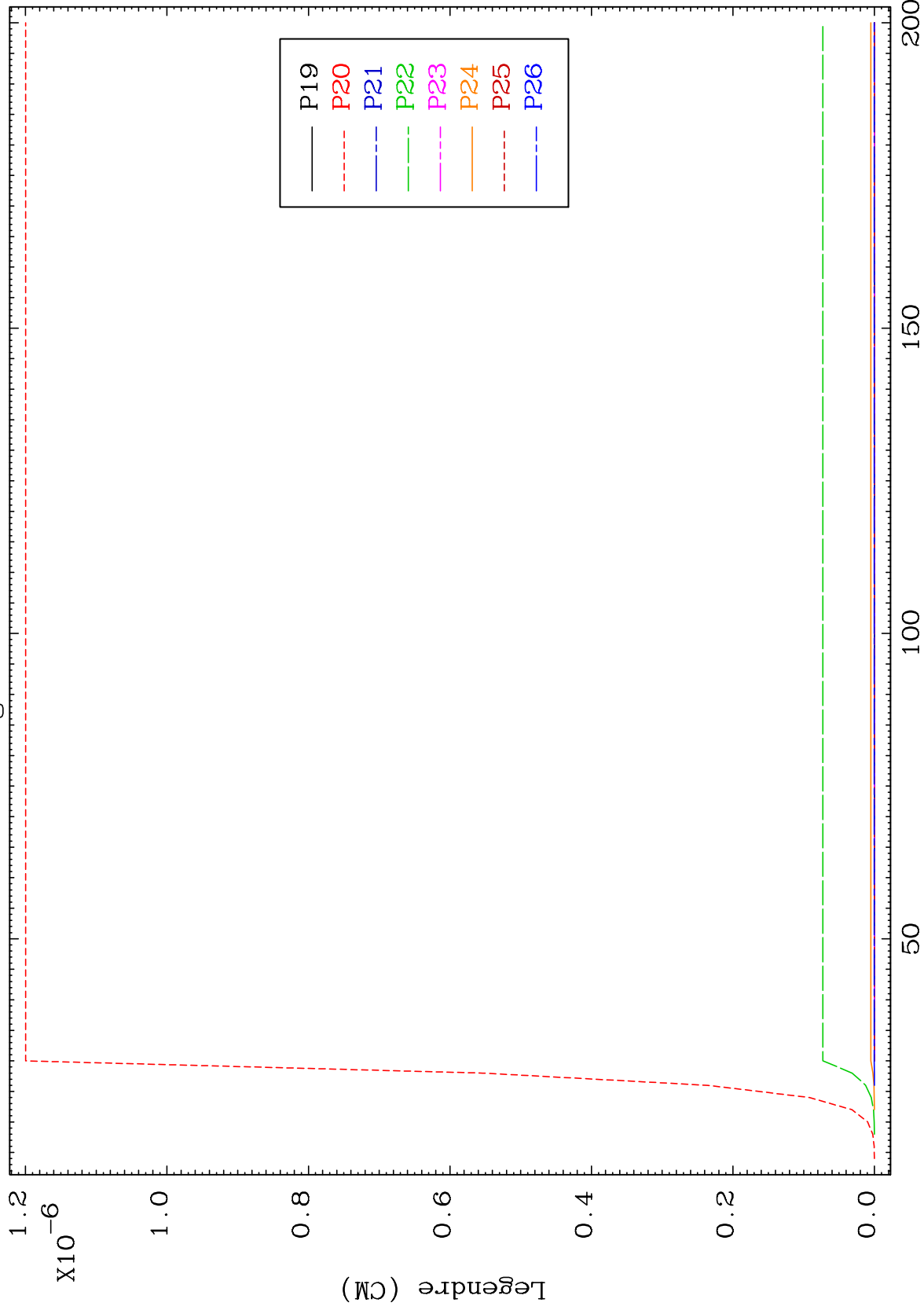


44-Ru-103

MAT 4446

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

44-Ru-103



41

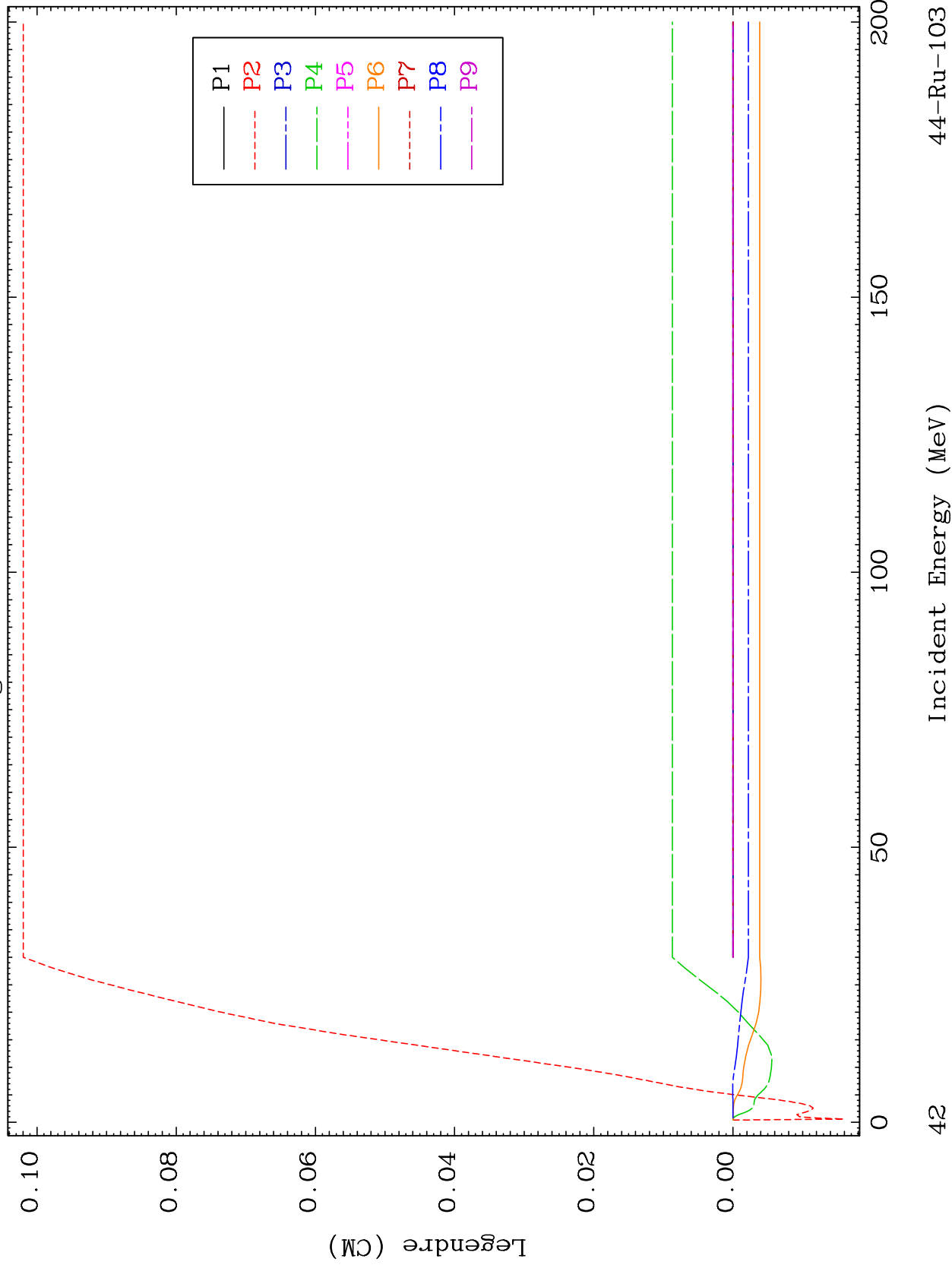
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

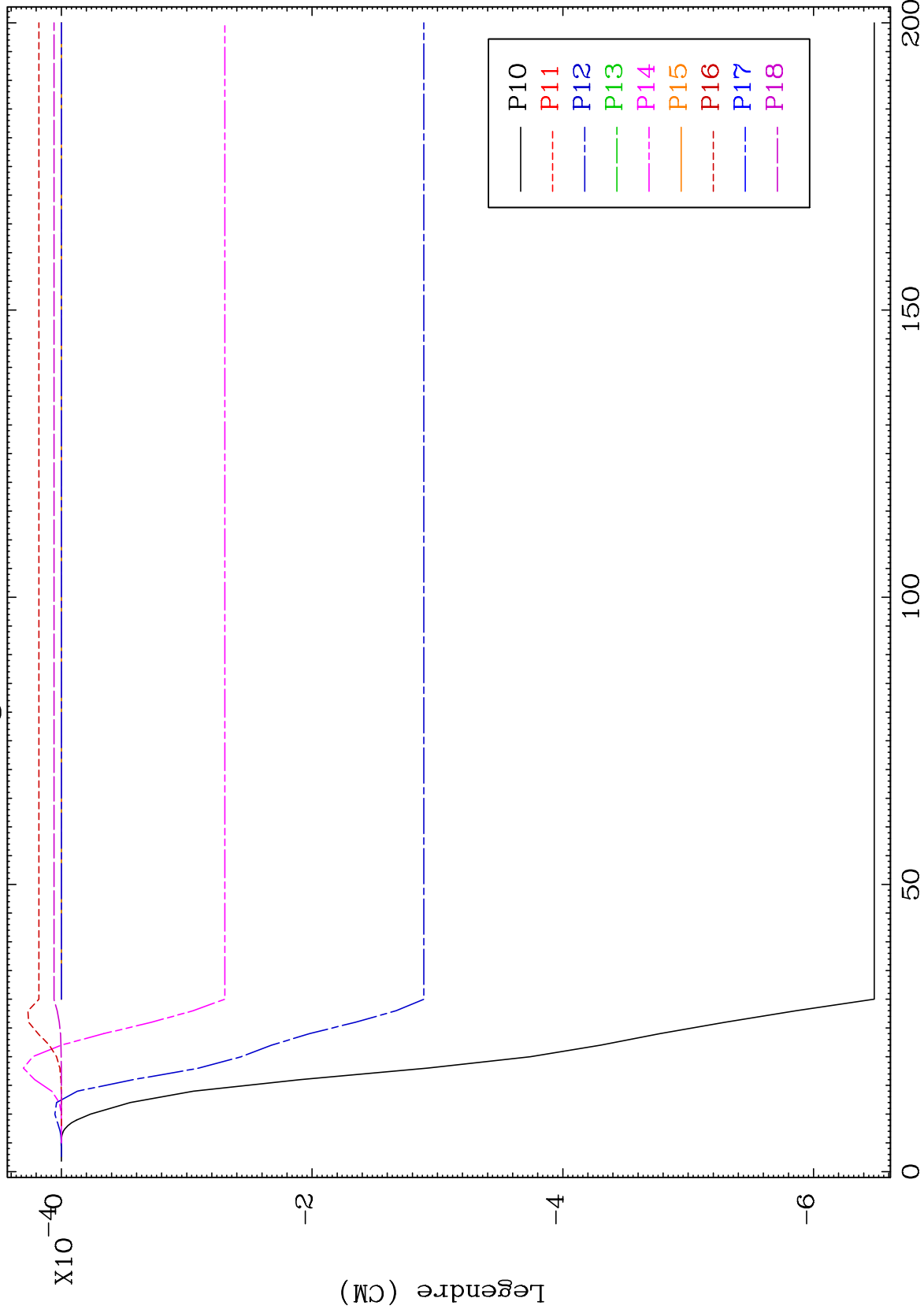
44-Ru-103



MAT 4446

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

44-Ru-103



43

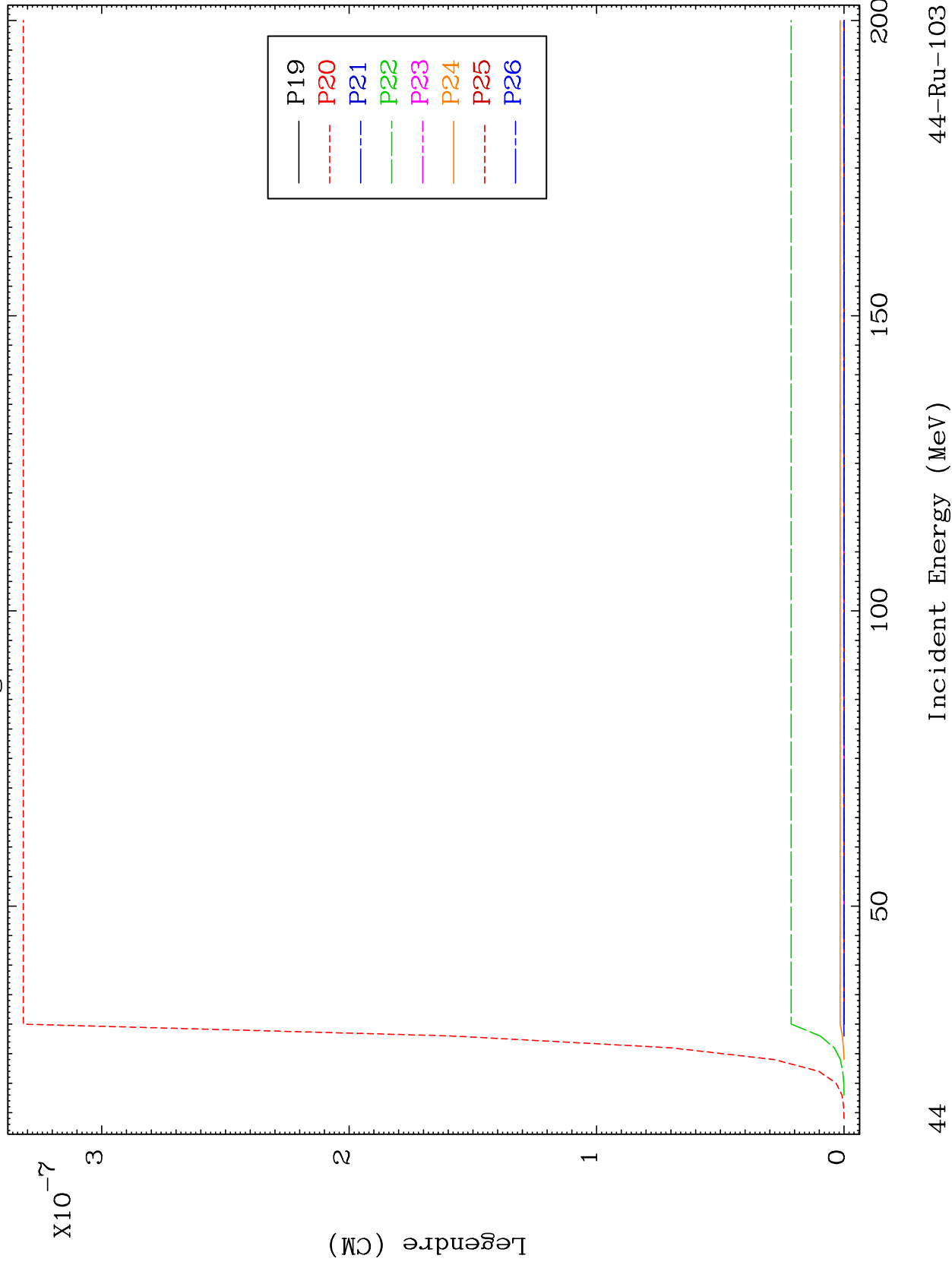
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



44

Incident Energy (MeV)

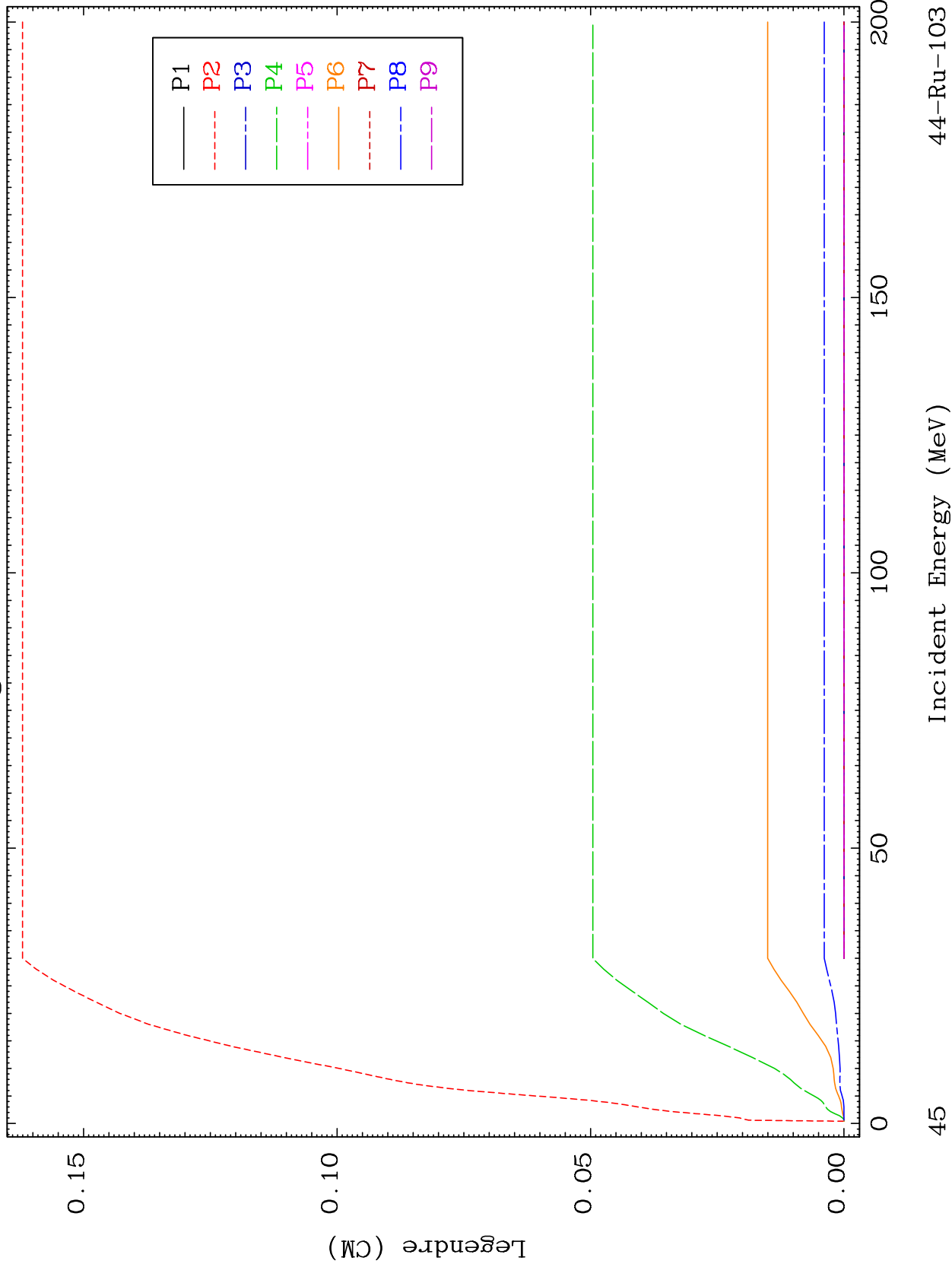
44-Ru-103

MAT 4446

MT= 59 (n,n') Level

44-Ru-103

Legendre Coefficients



45

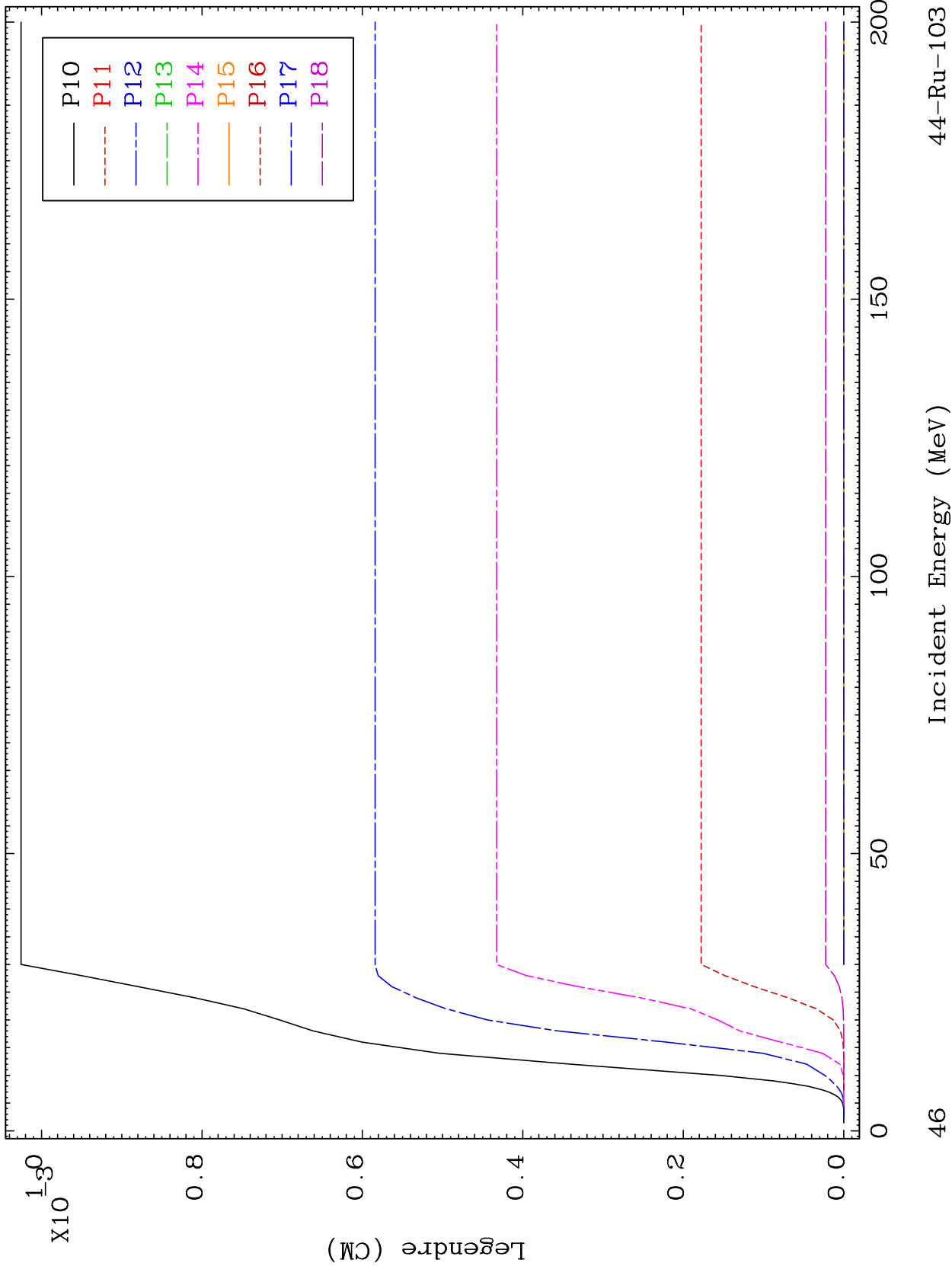
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



44-Ru-103

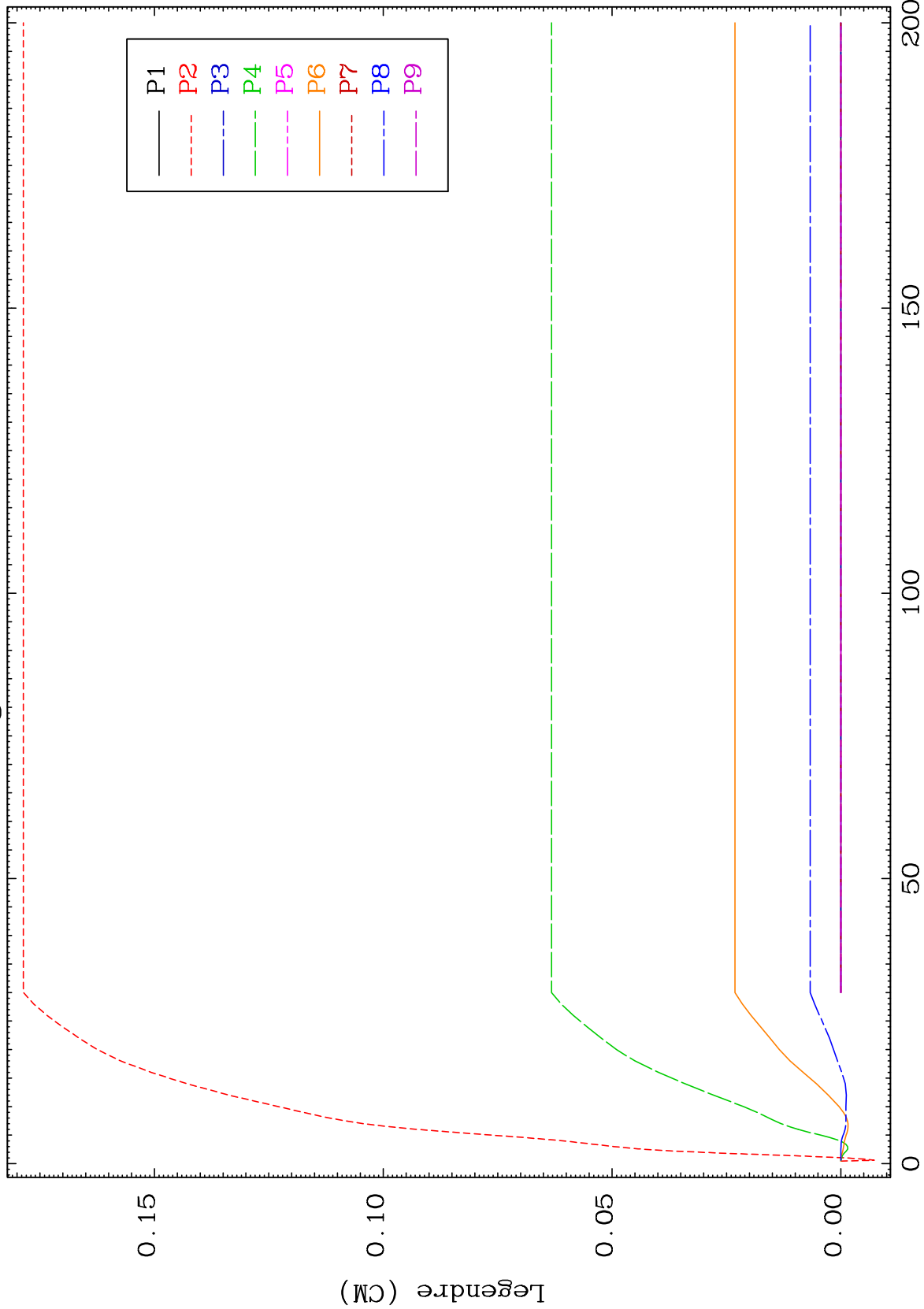
Incident Energy (MeV)

46

MAT 4446

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

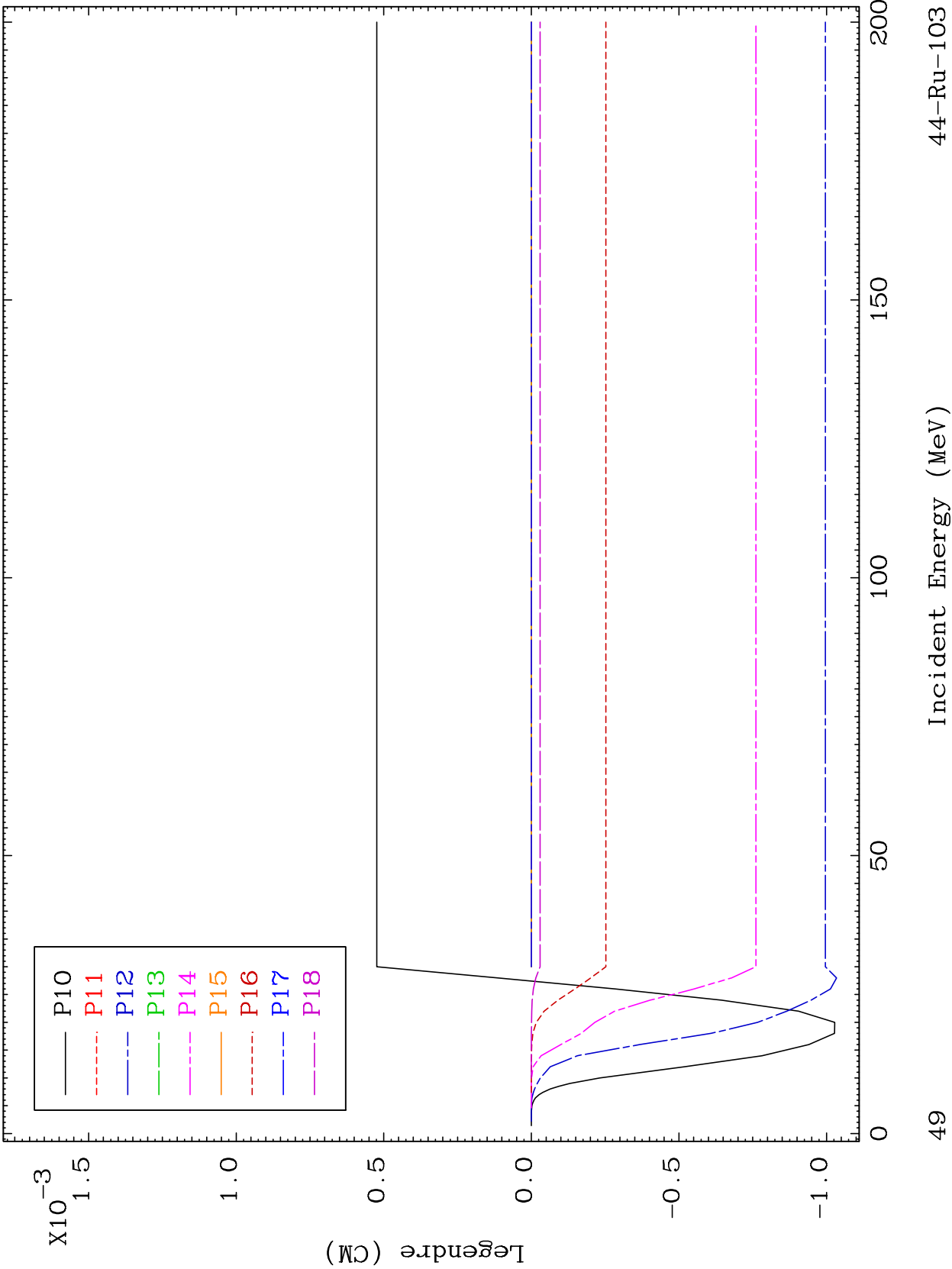
44-Ru-103

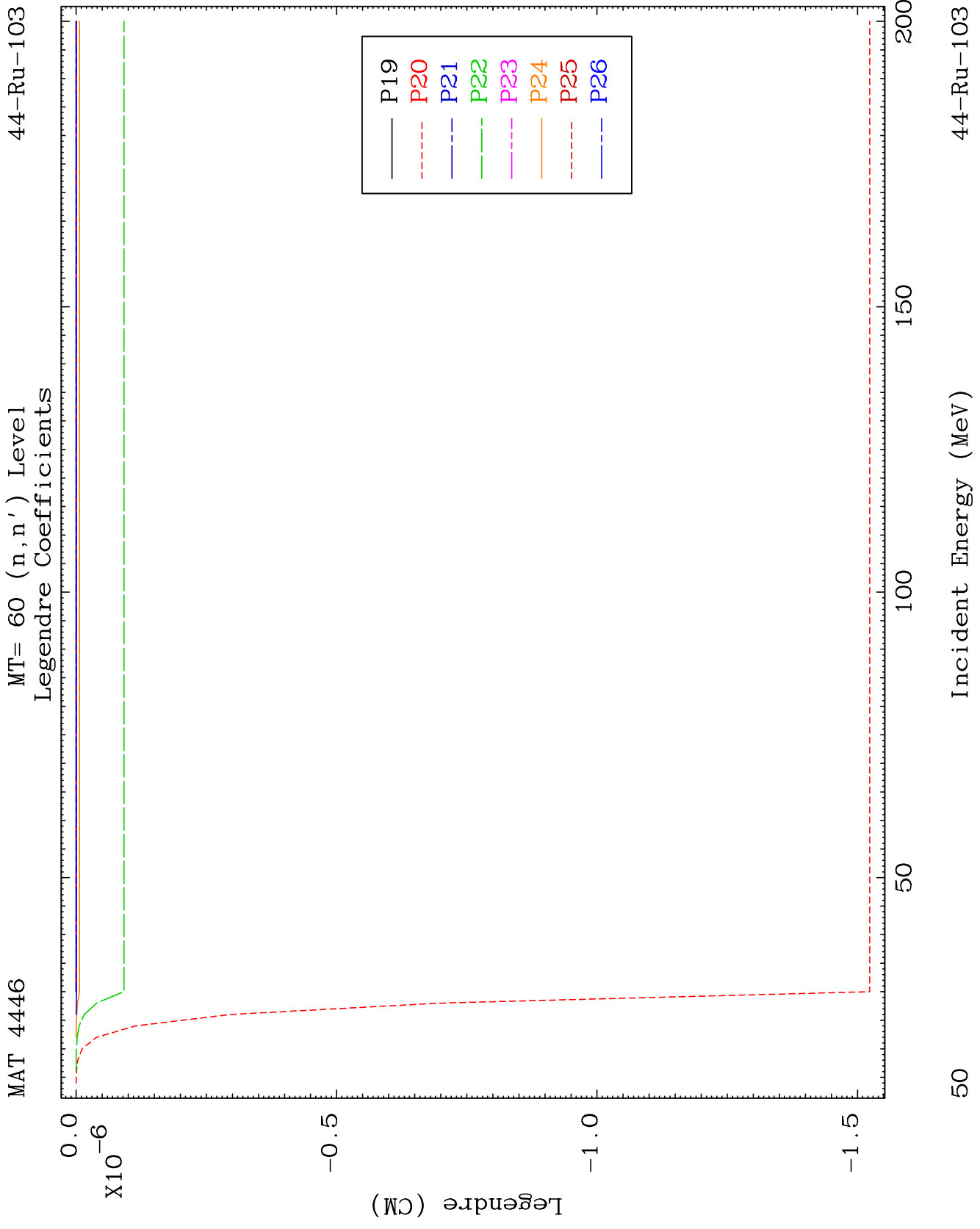


48

Incident Energy (MeV)

44-Ru-103

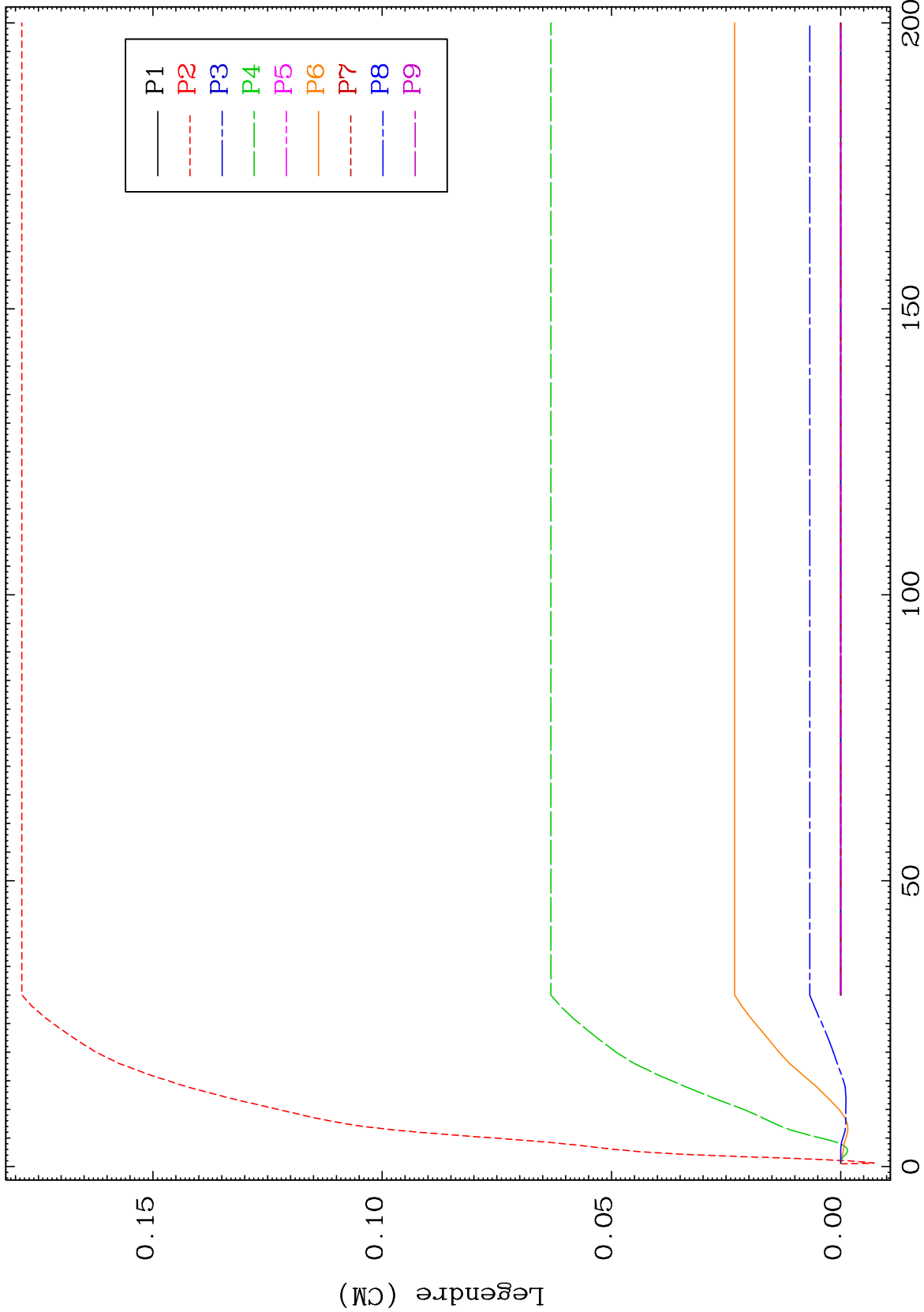




MAT 4446

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

44-Ru-103



51

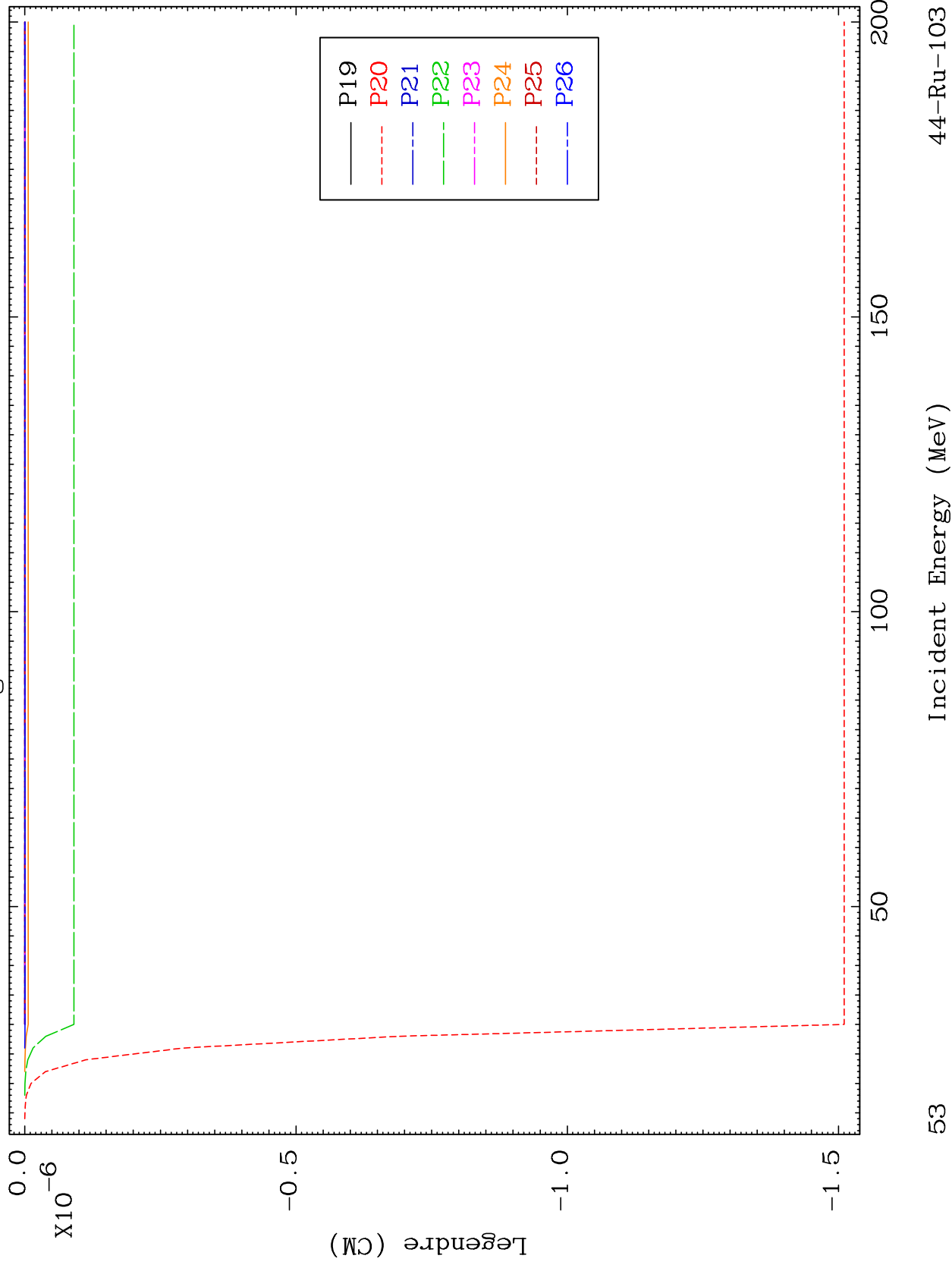
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



53

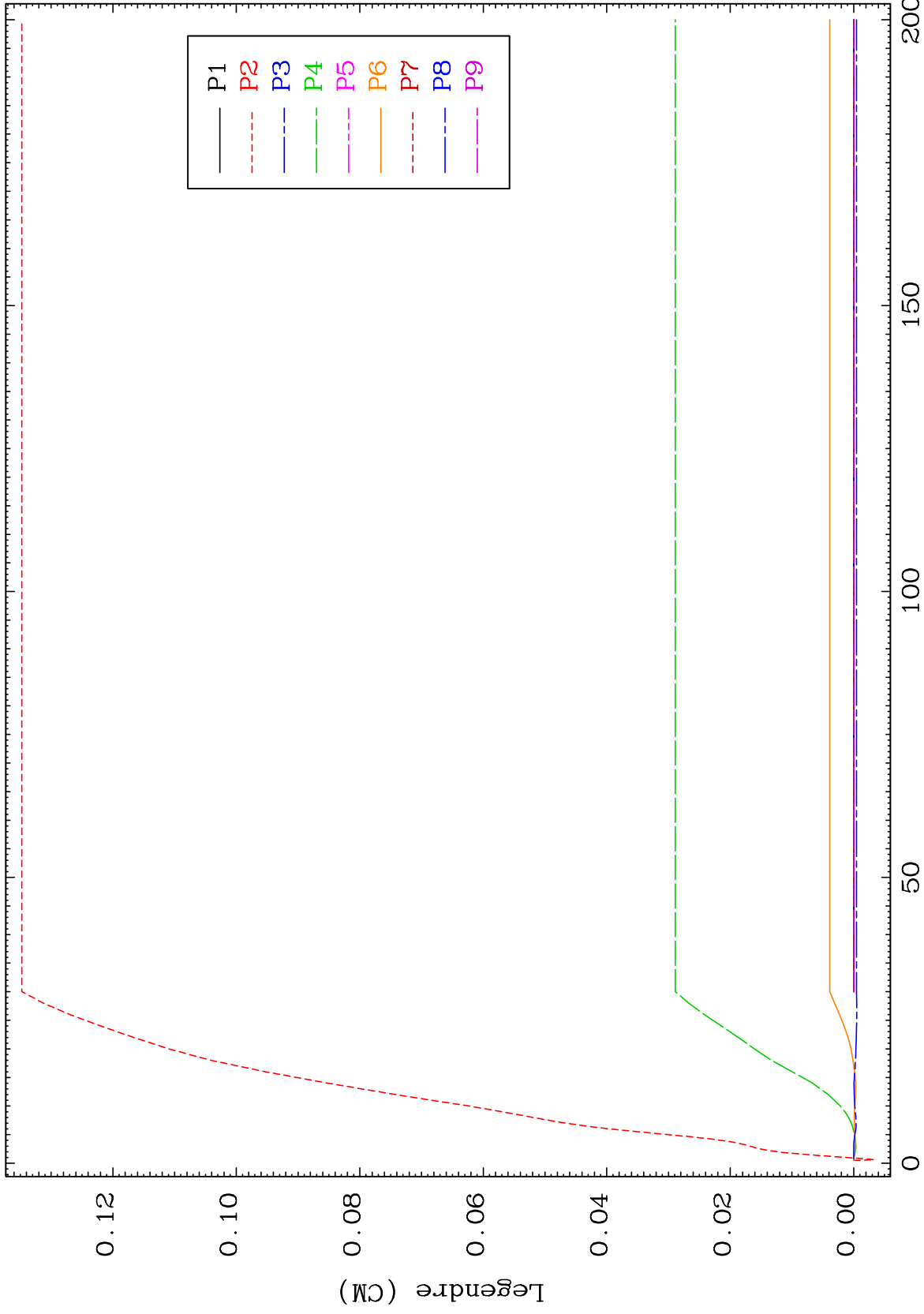
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



54

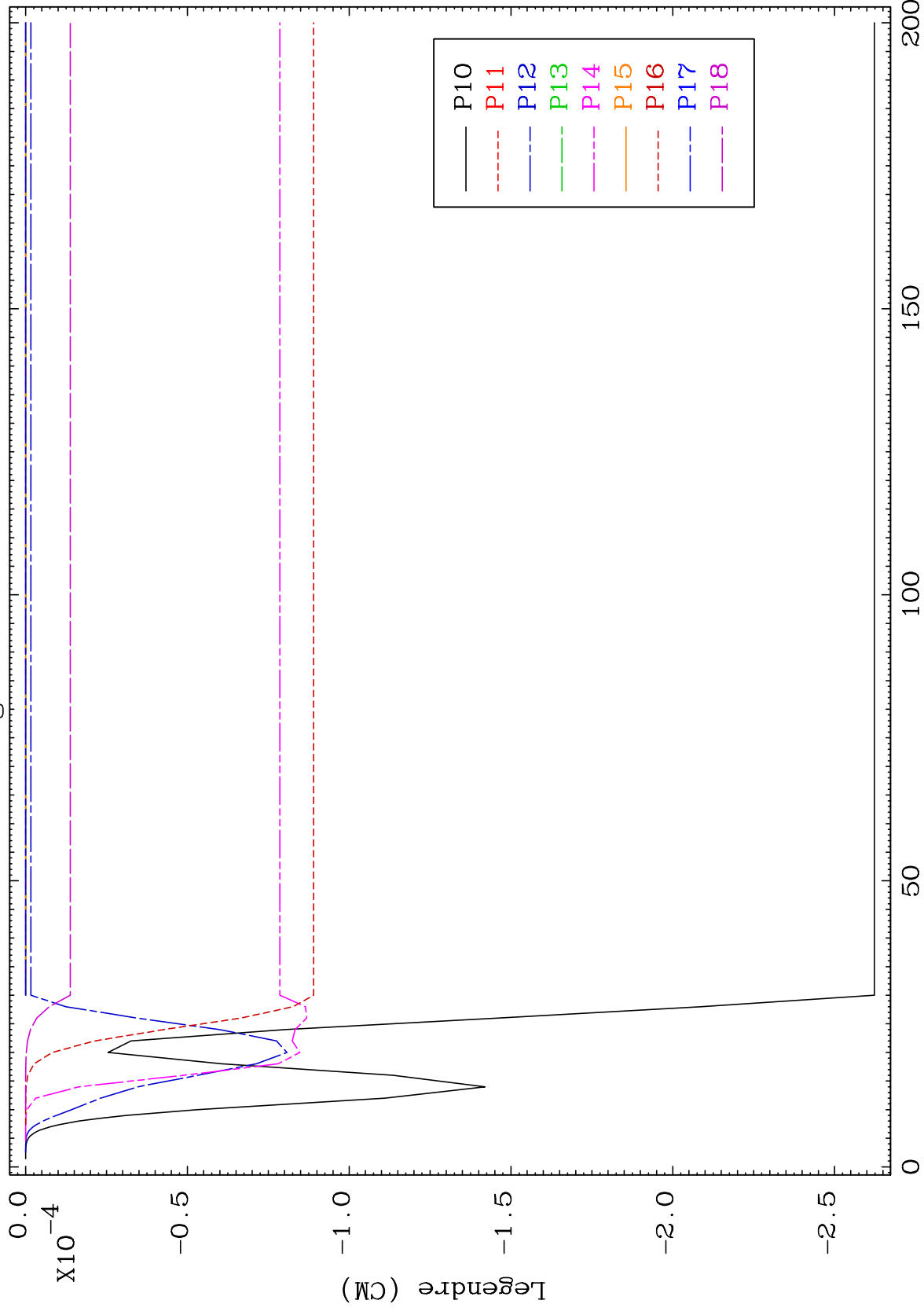
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



55

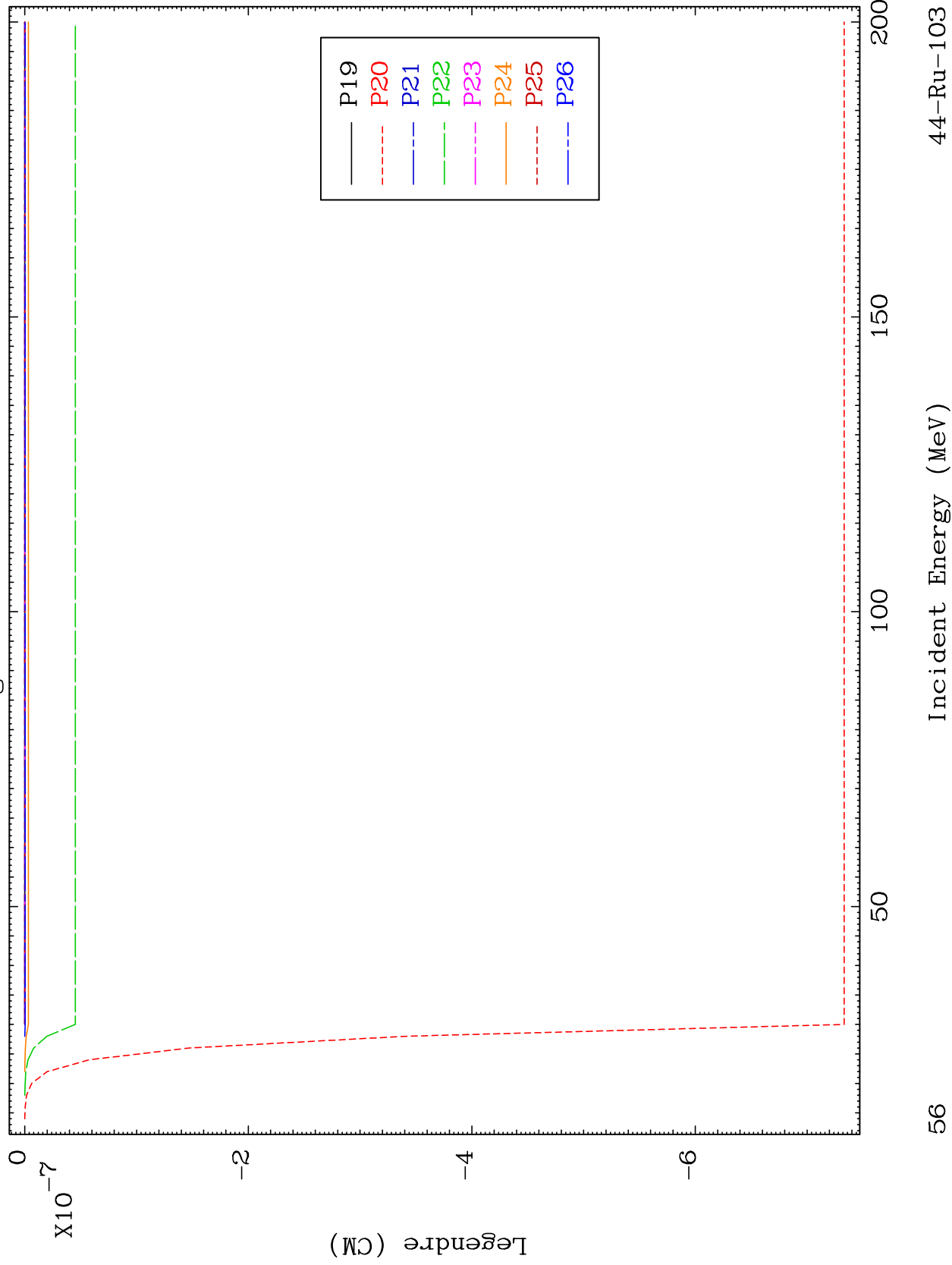
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



56

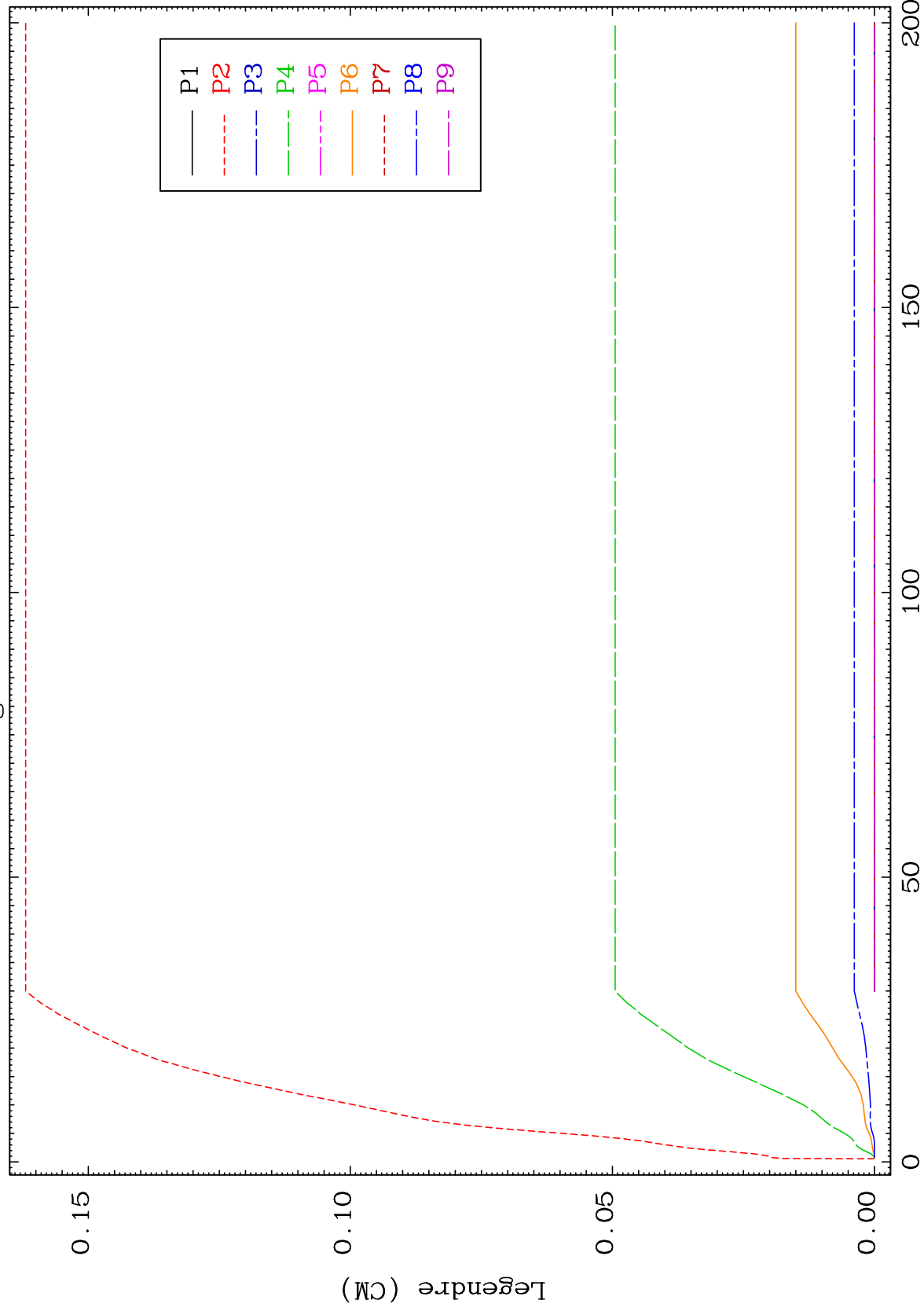
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



57

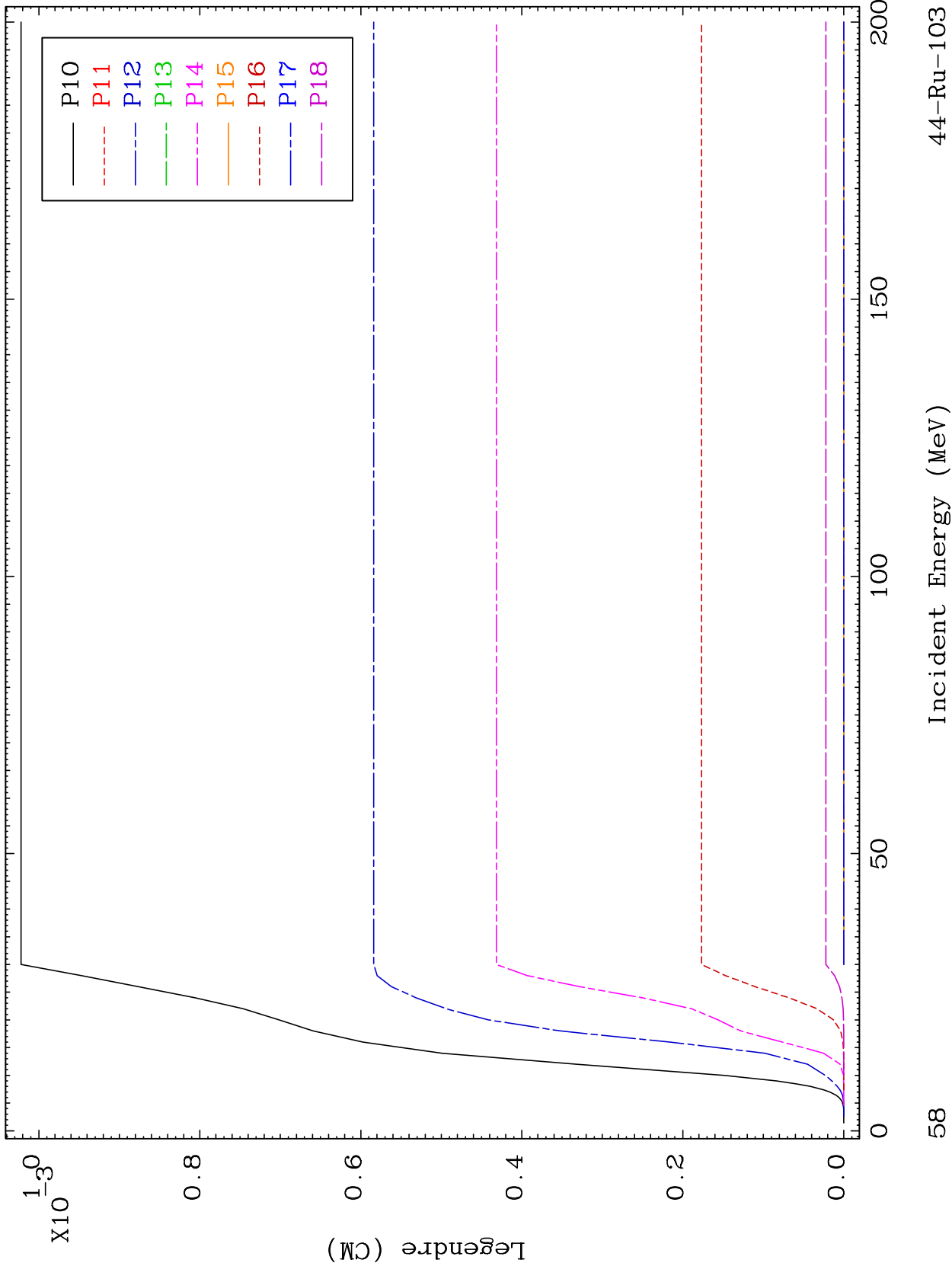
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



44-Ru-103

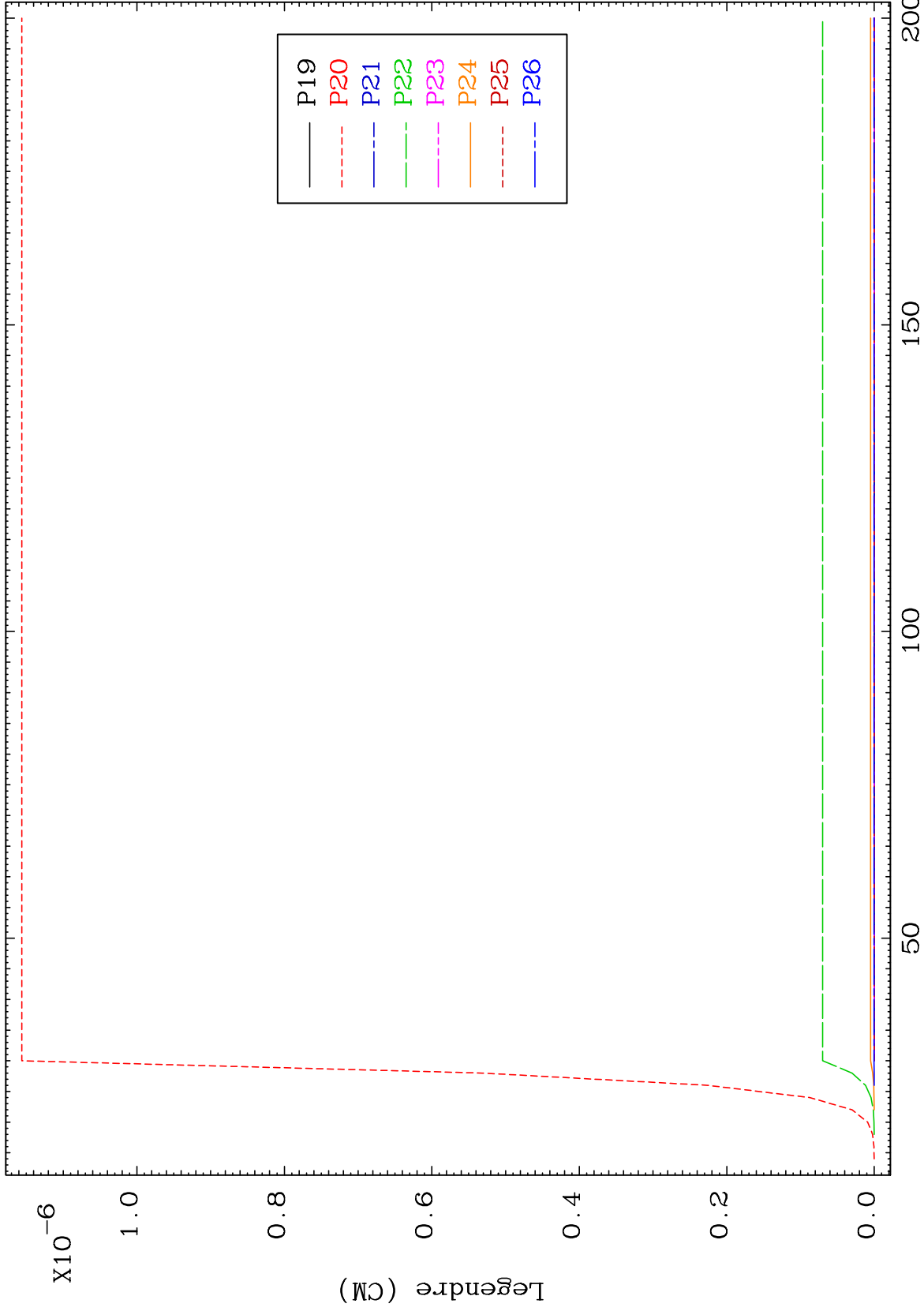
Incident Energy (MeV)

58

MAT 4446

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

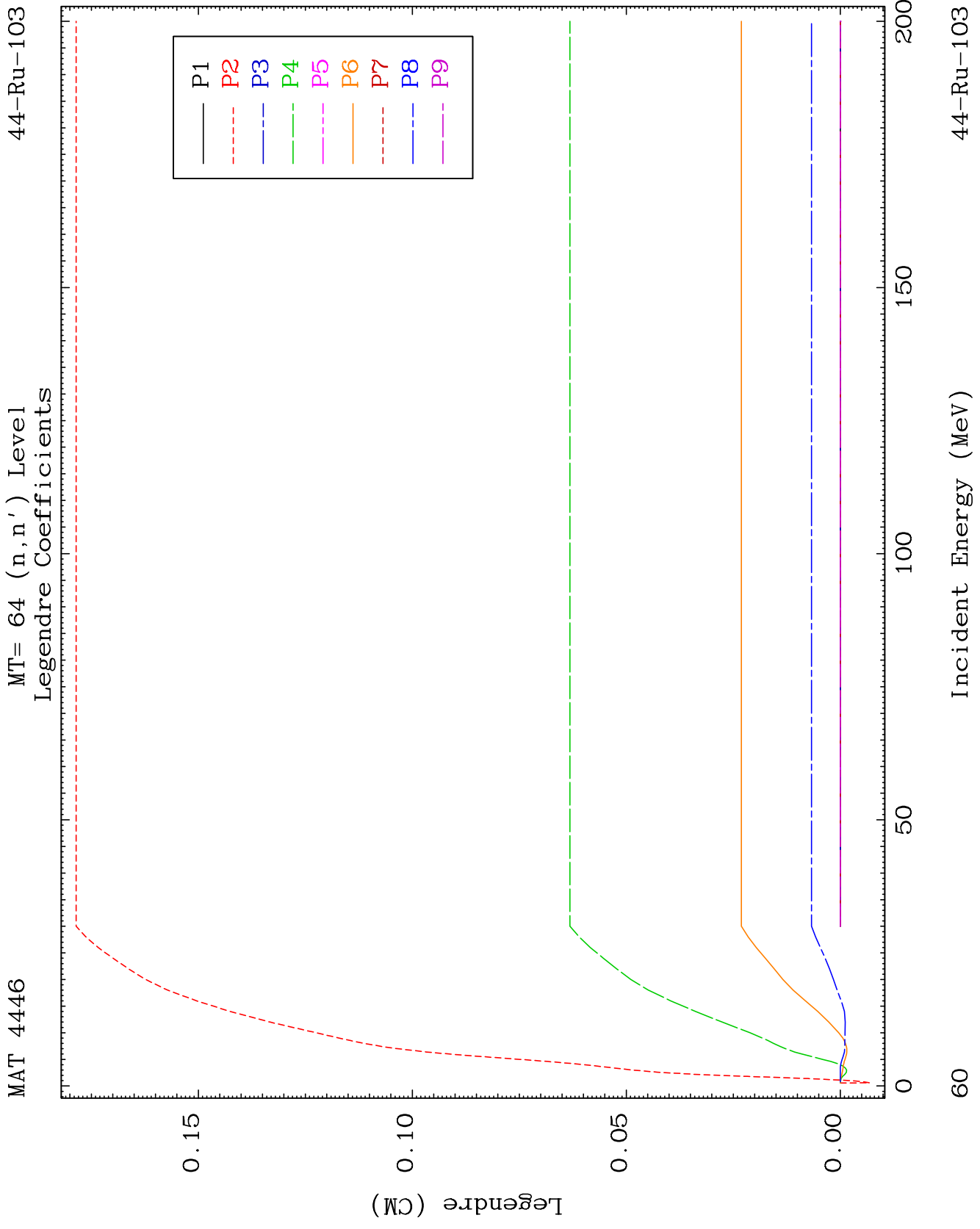
44-Ru-103



59

Incident Energy (MeV)

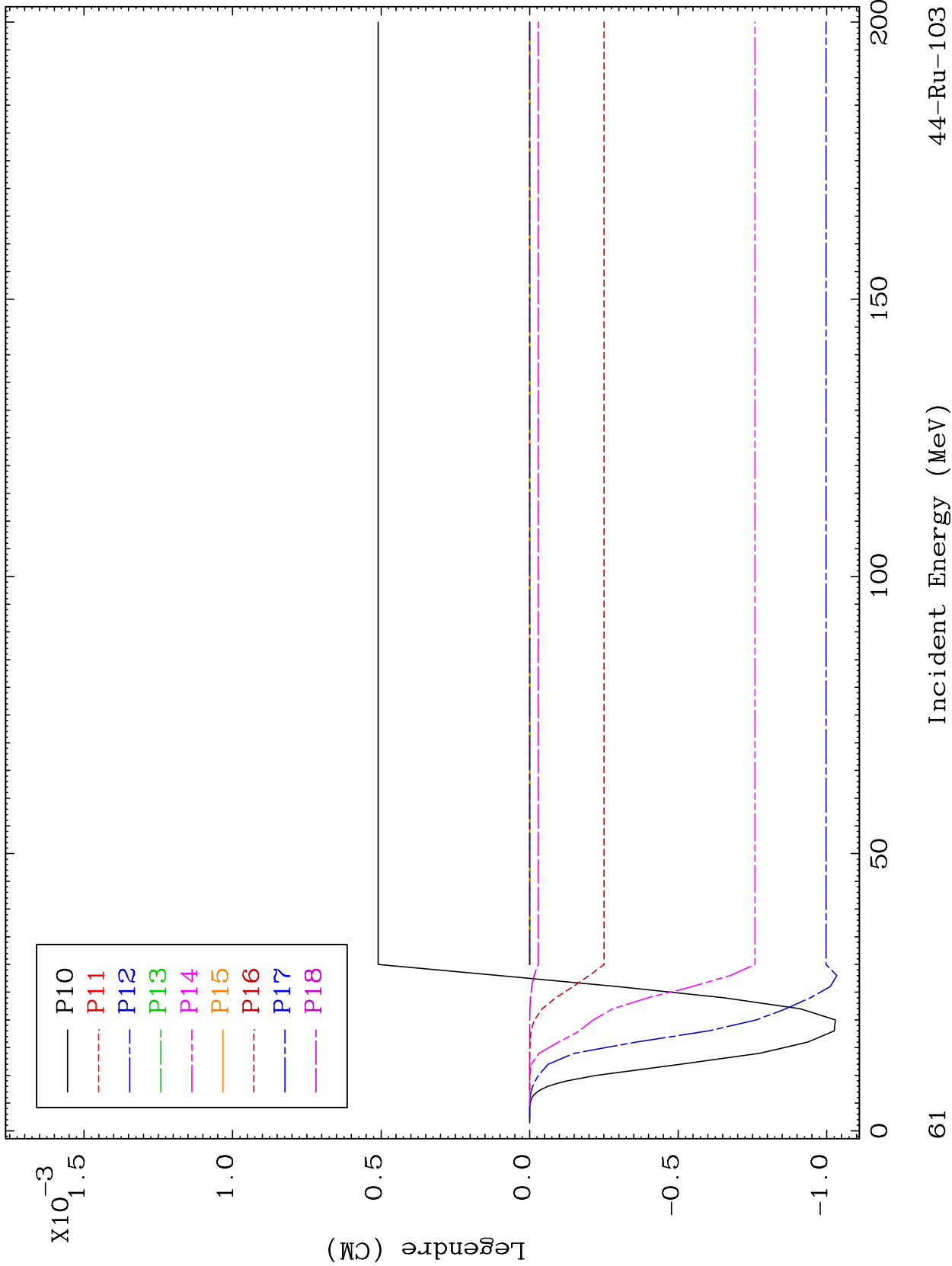
44-Ru-103



MAT 4446

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

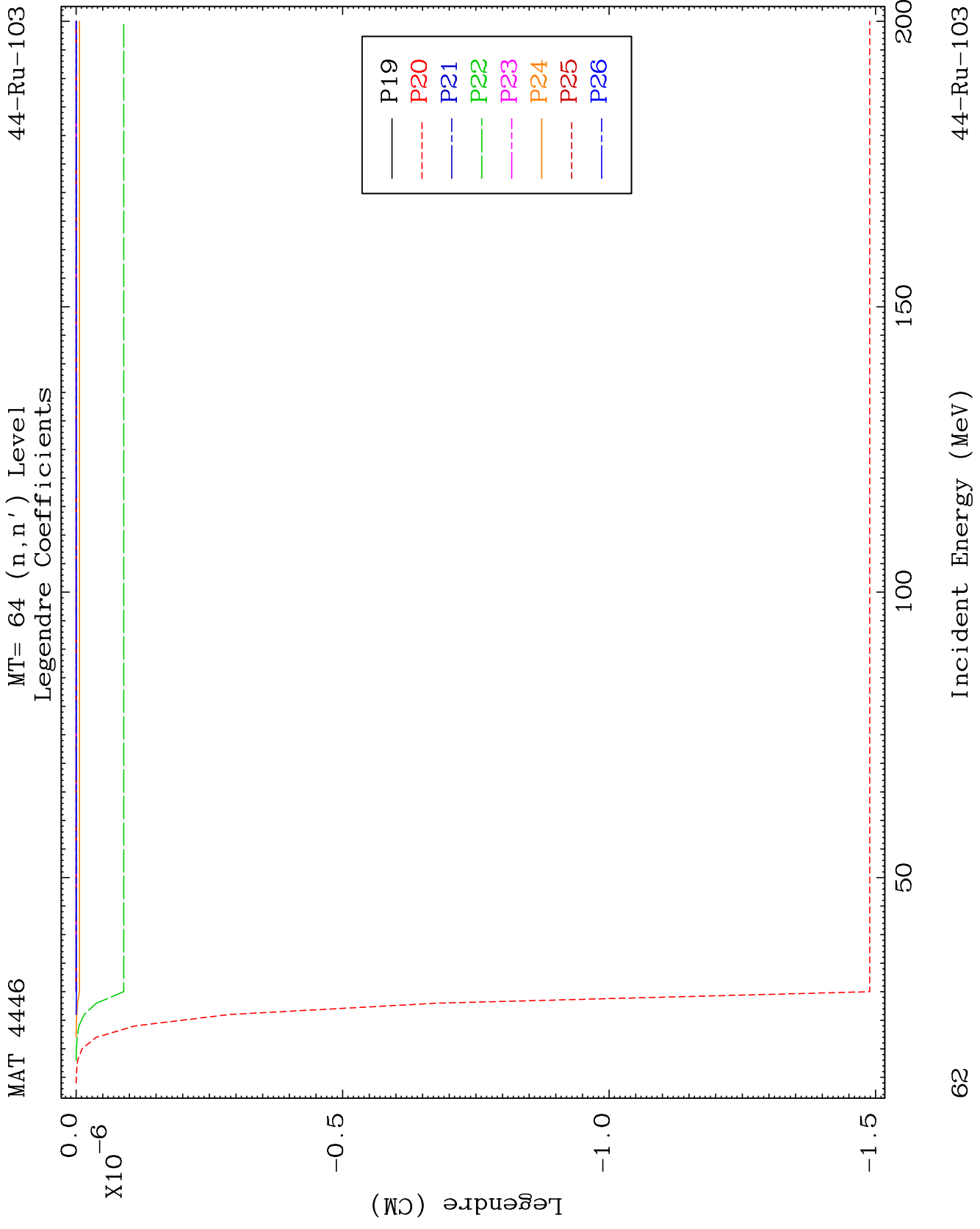
44-Ru-103



61

Incident Energy (MeV)

44-Ru-103

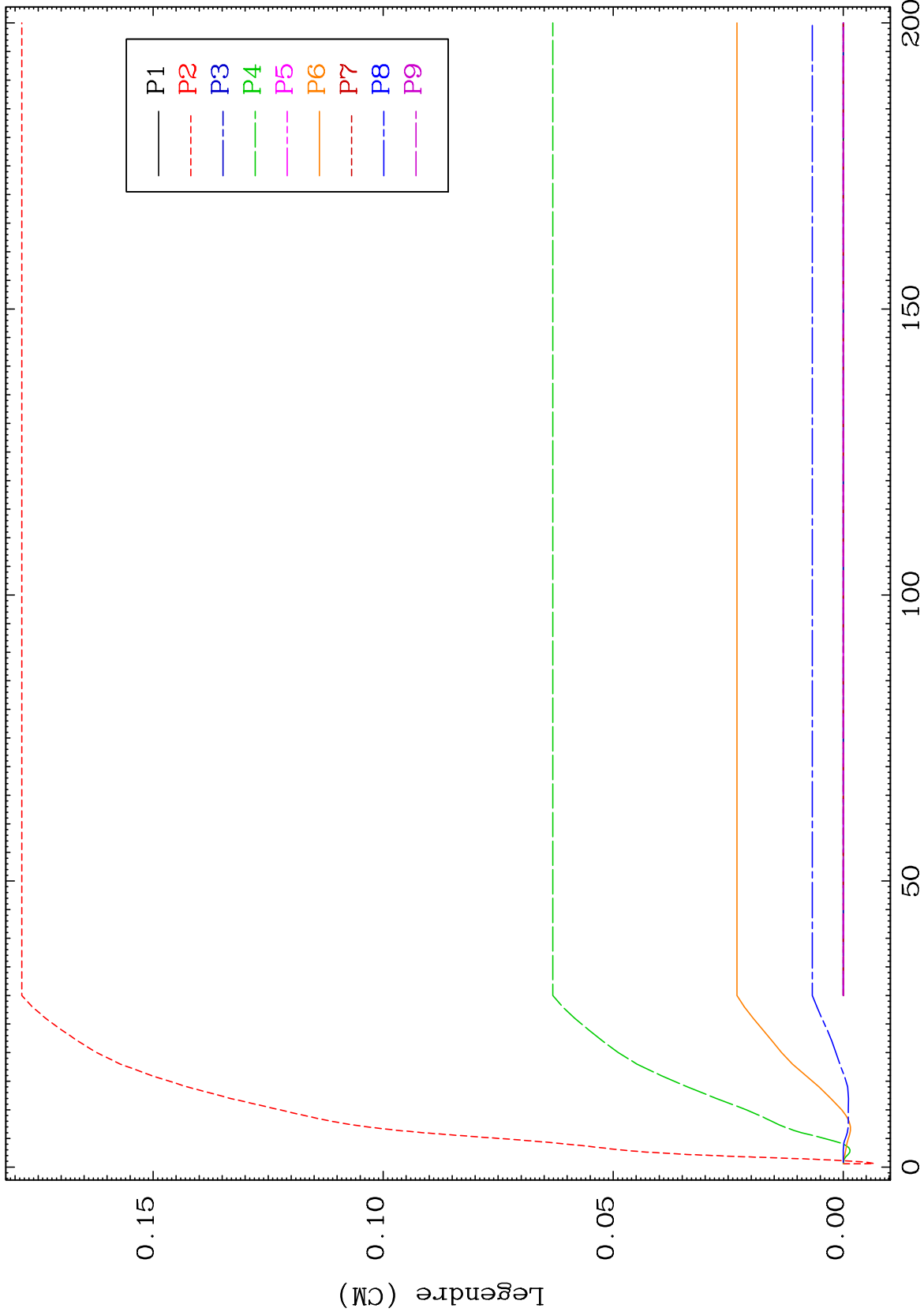


MAT 4446

MT= 65 (n,n') Level

44-Ru-103

Legendre Coefficients



63

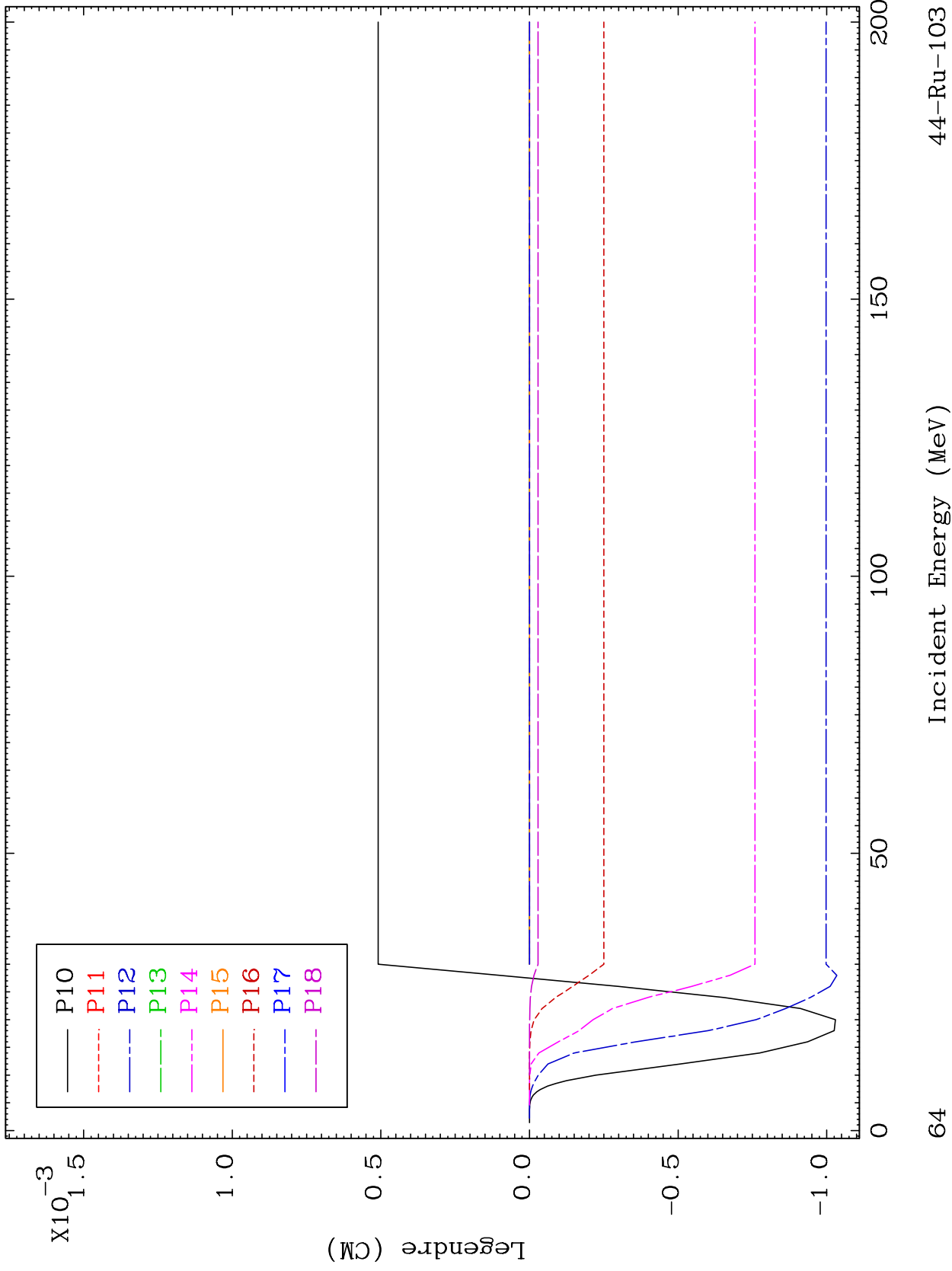
Incident Energy (MeV)

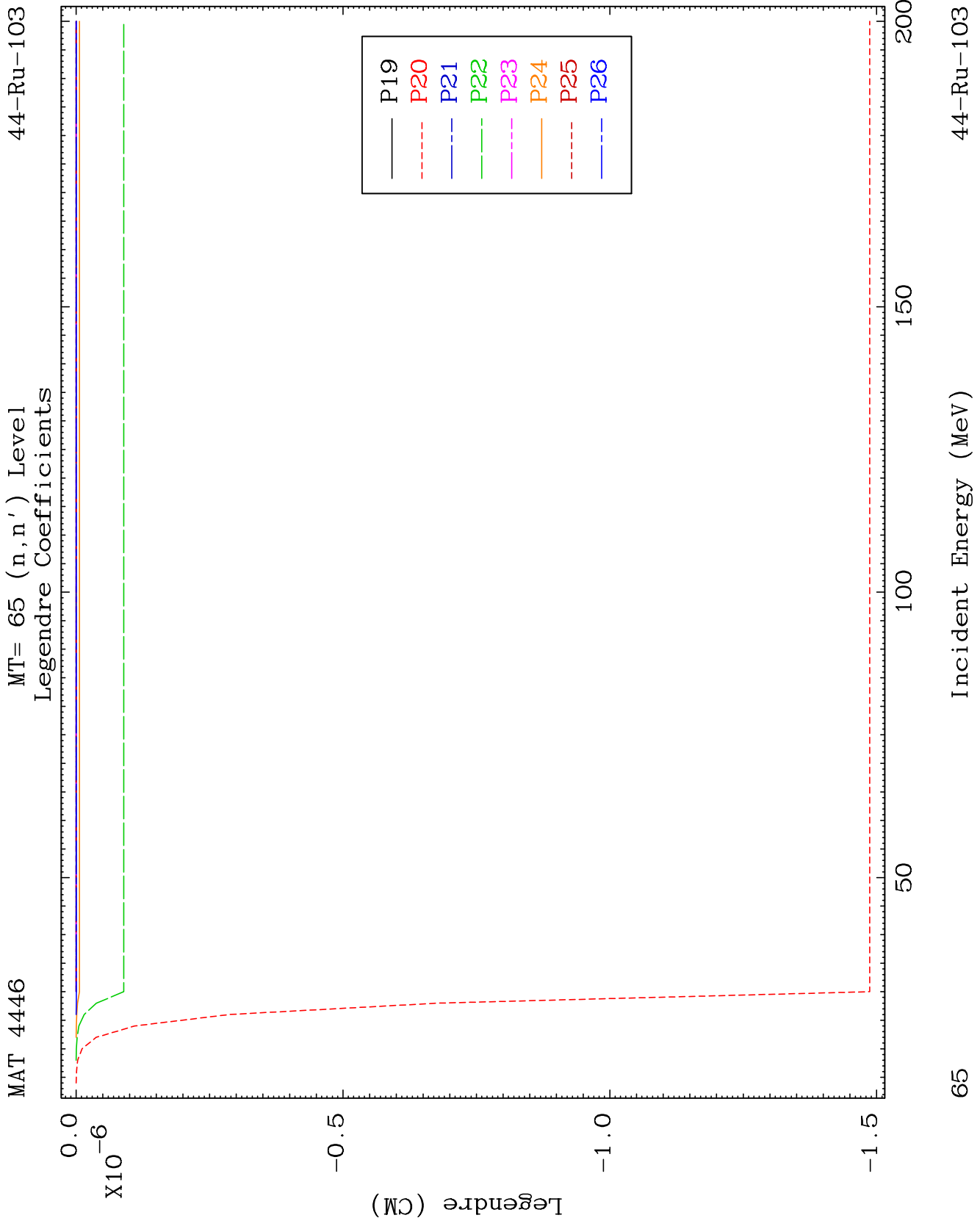
44-Ru-103

MAT 4446

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

44-Ru-103

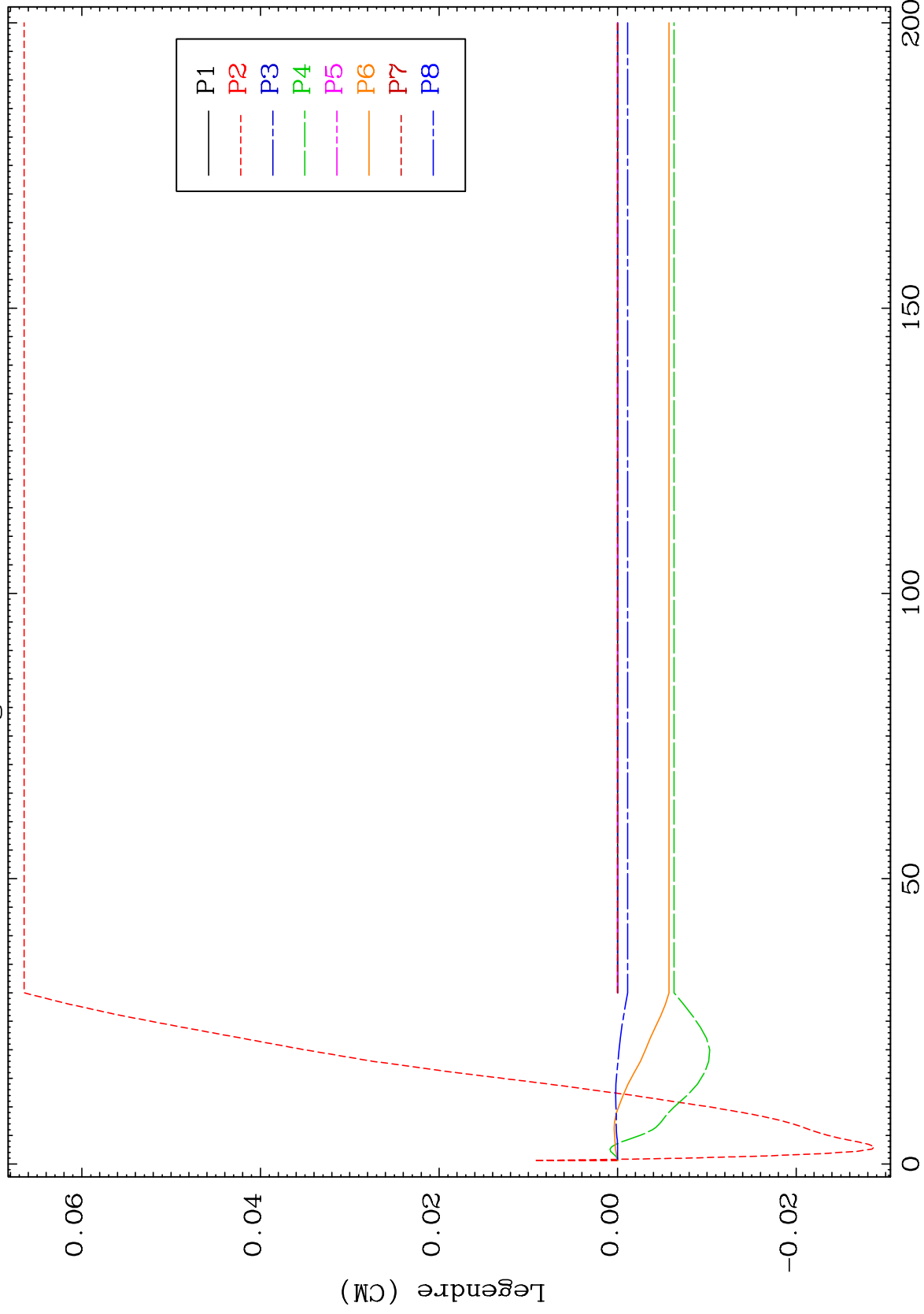




MAT 4446

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

44-Ru-103



44-Ru-103

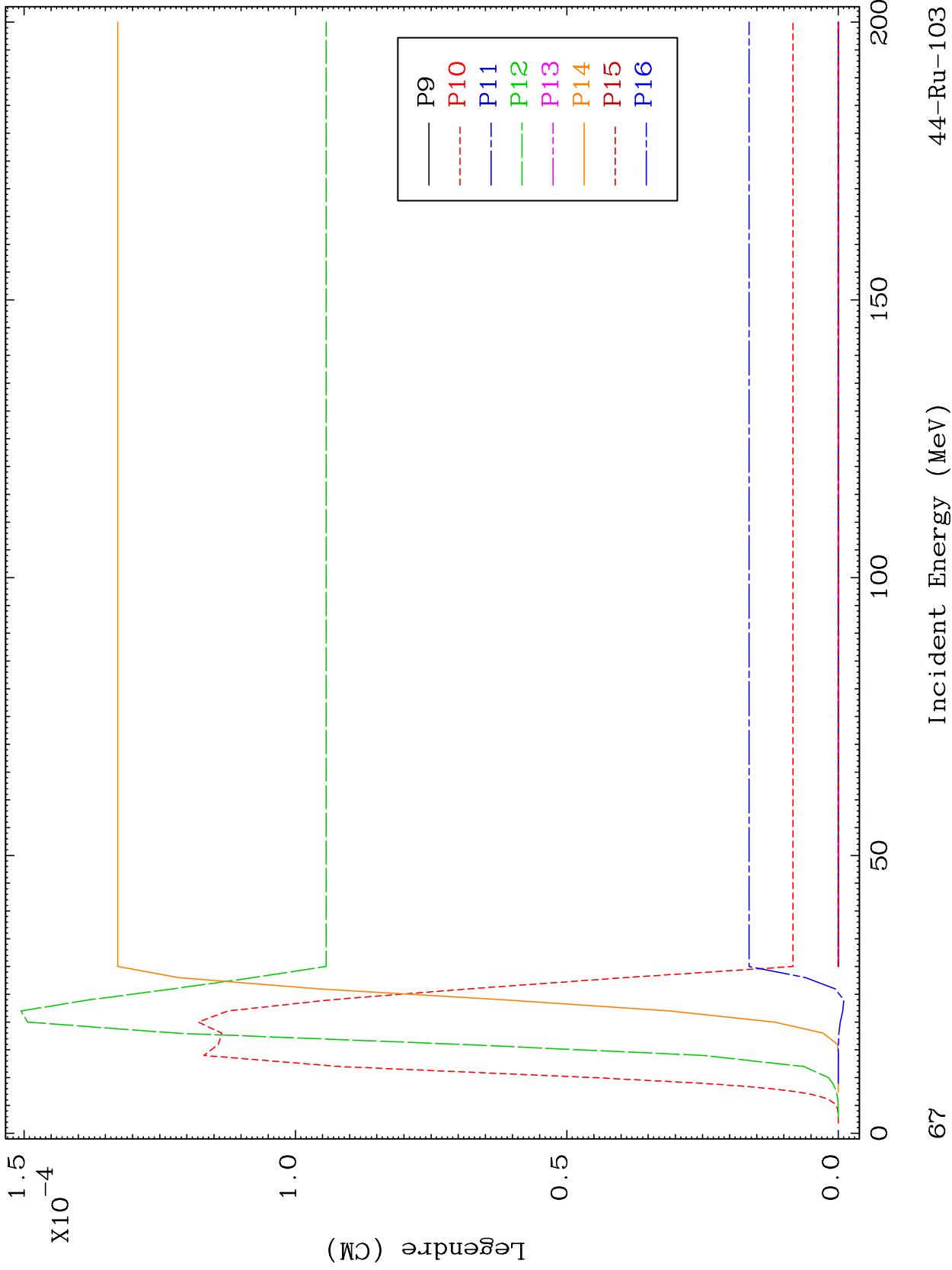
Incident Energy (MeV)

66

MAT 4446

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

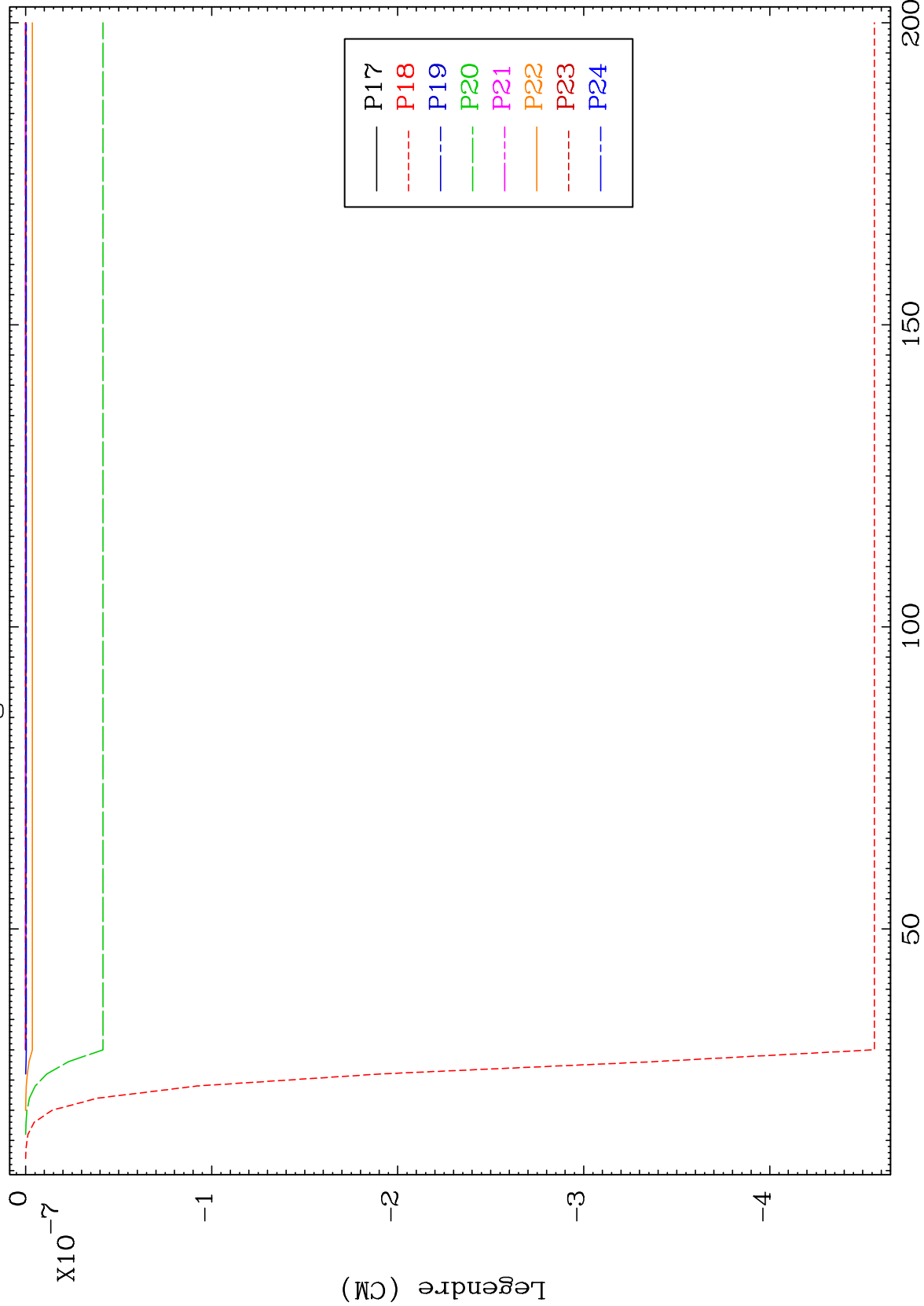
44-Ru-103



MAT 4446

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

44-Ru-103



68

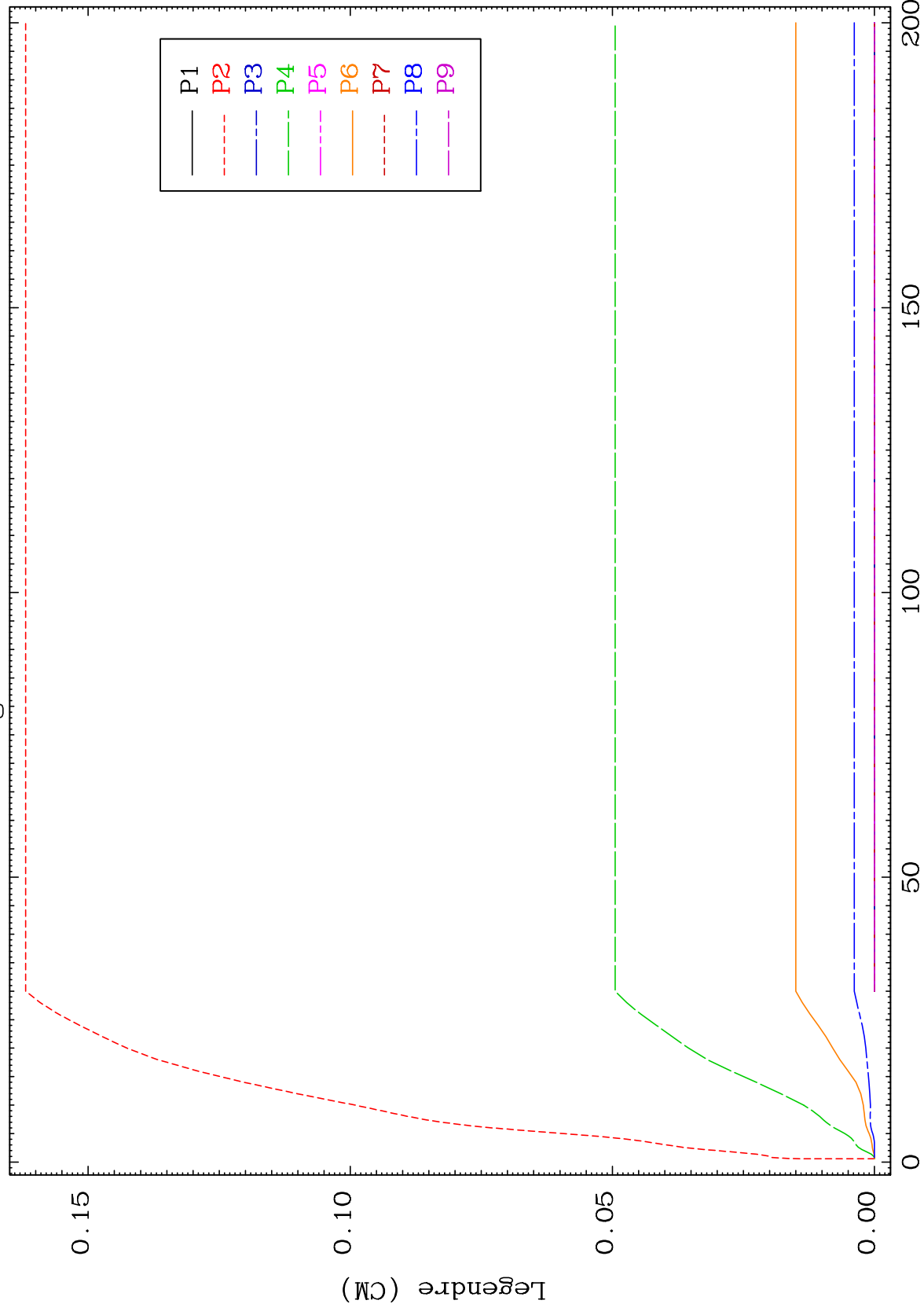
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



69

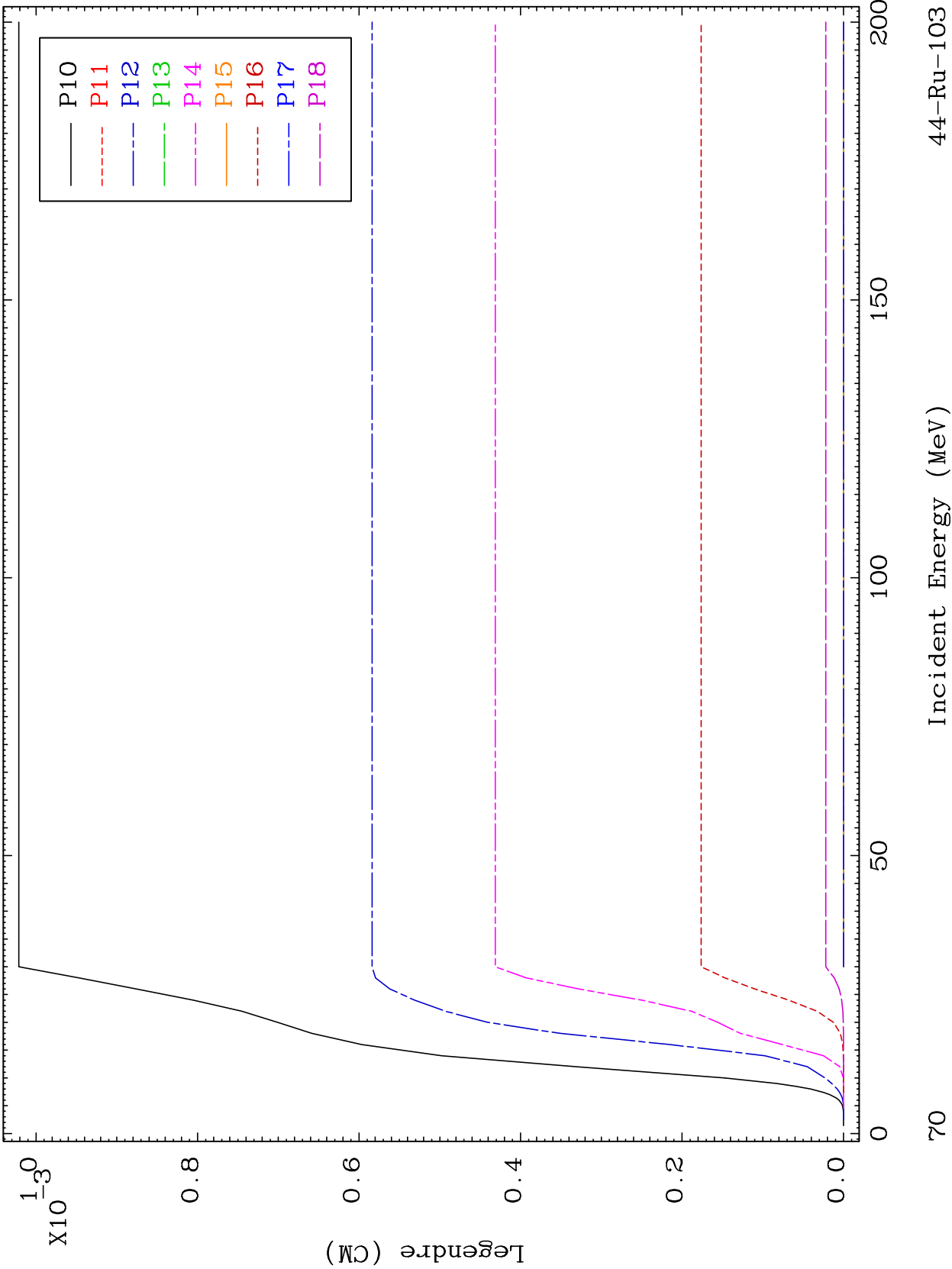
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



44-Ru-103

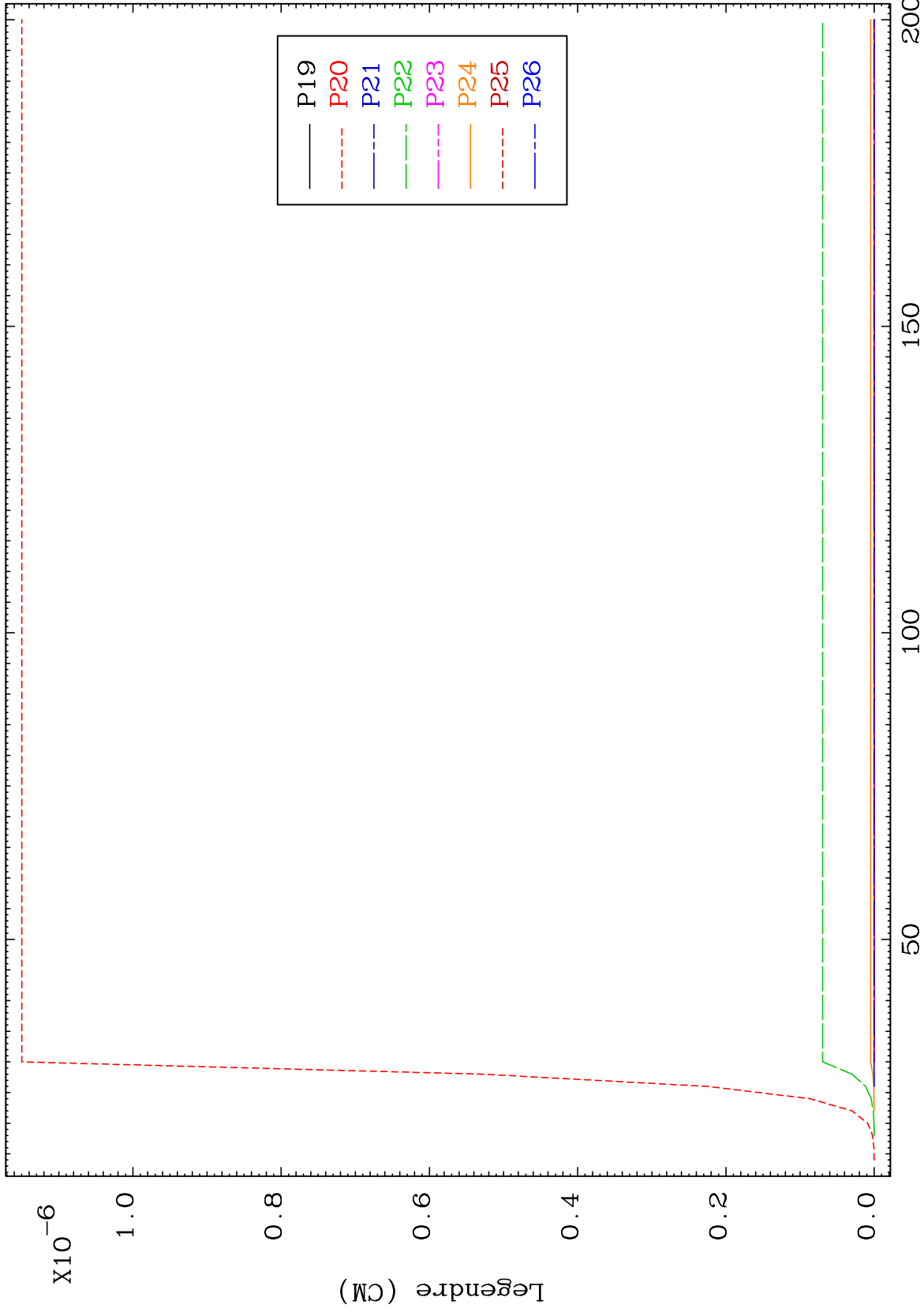
Incident Energy (MeV)

70

MAT 4446

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

44-Ru-103



71

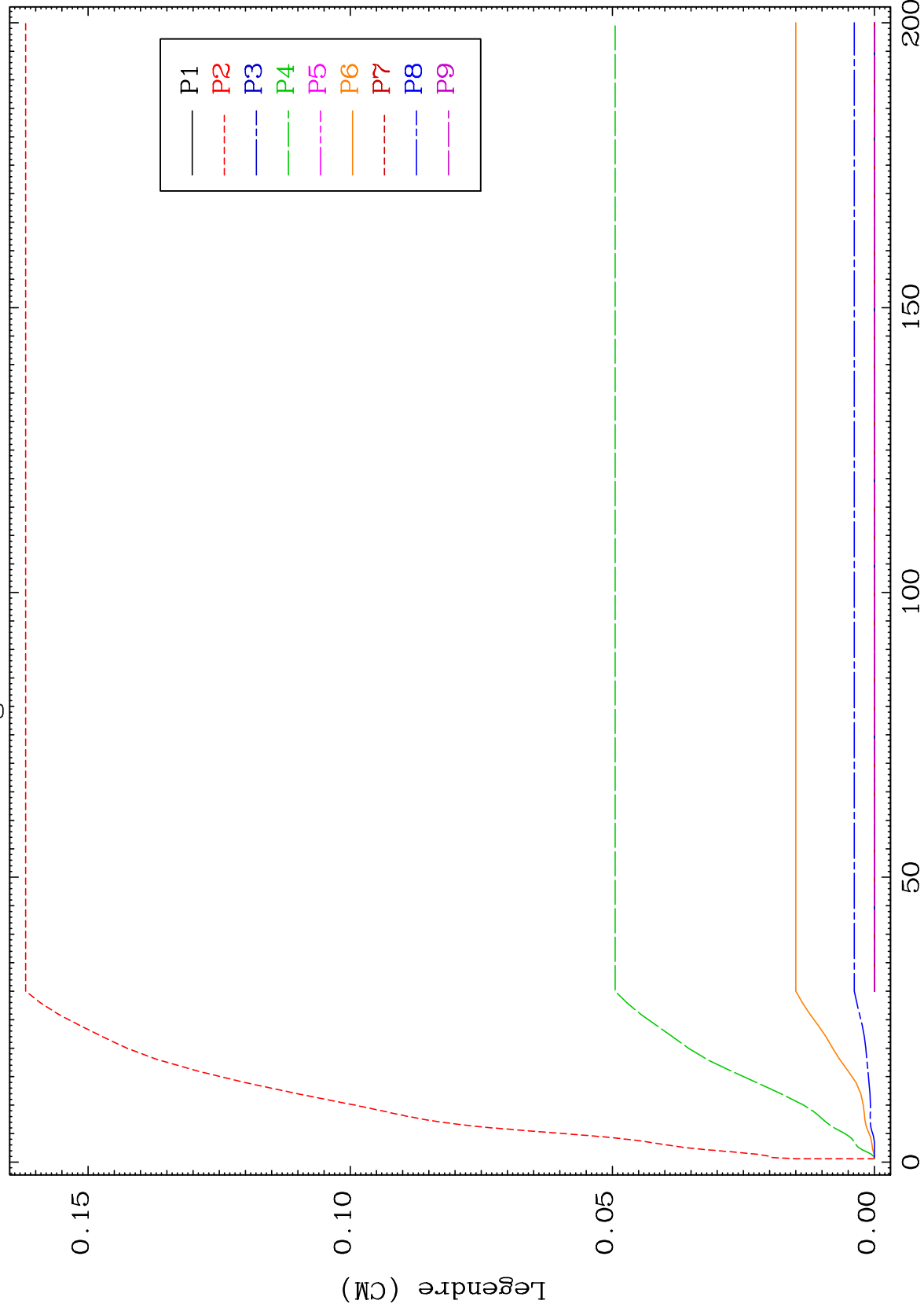
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



72

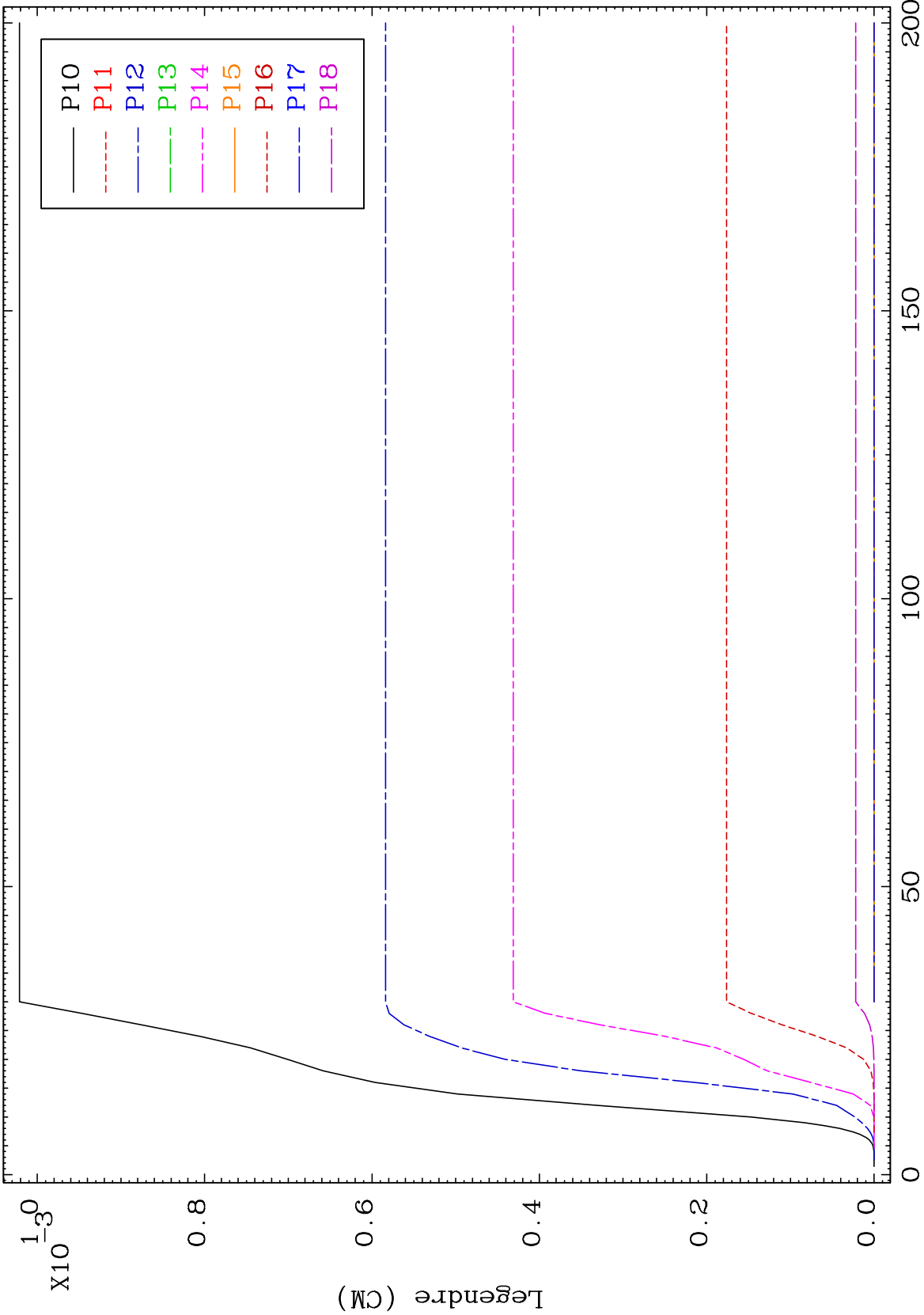
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



73

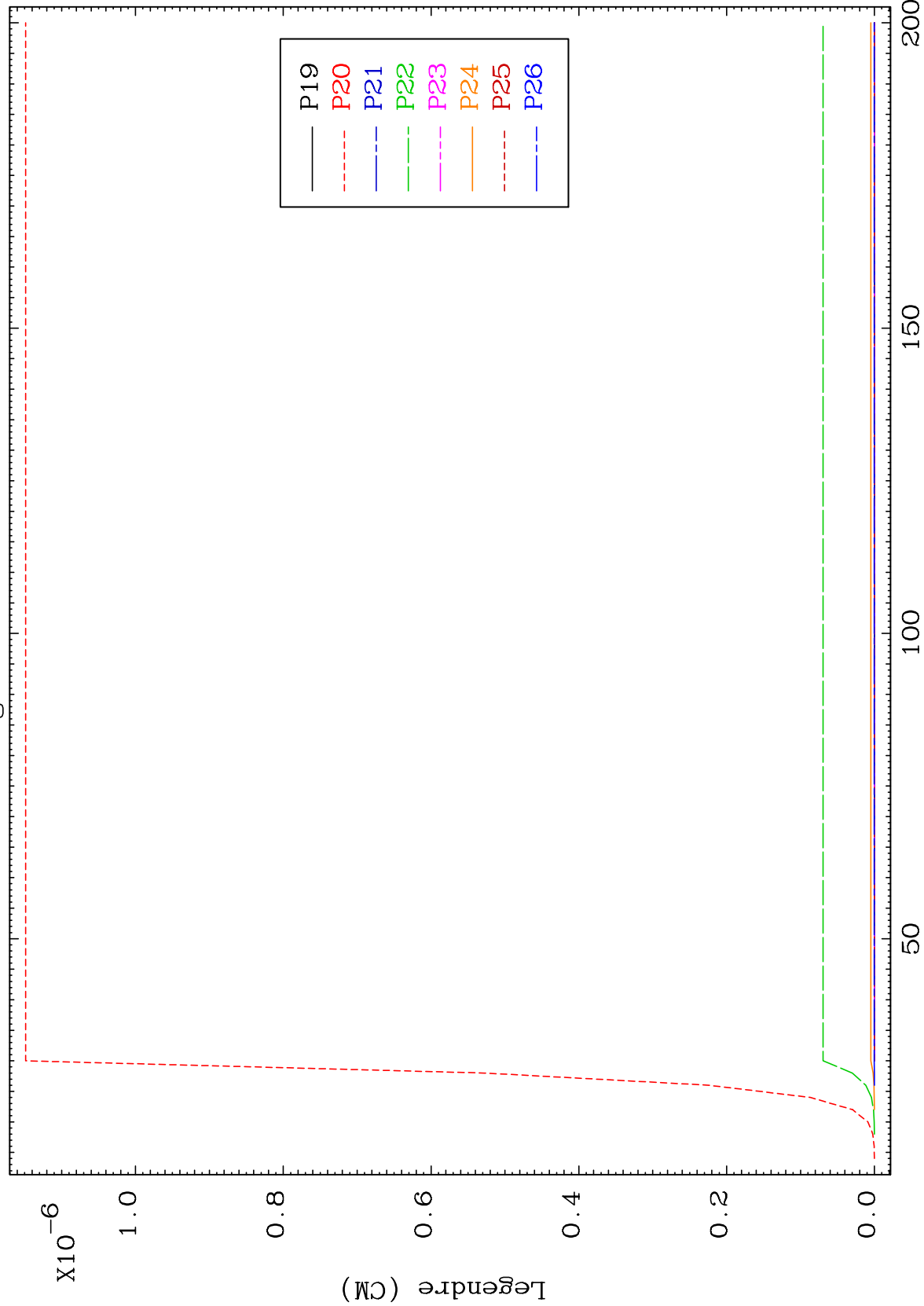
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



74

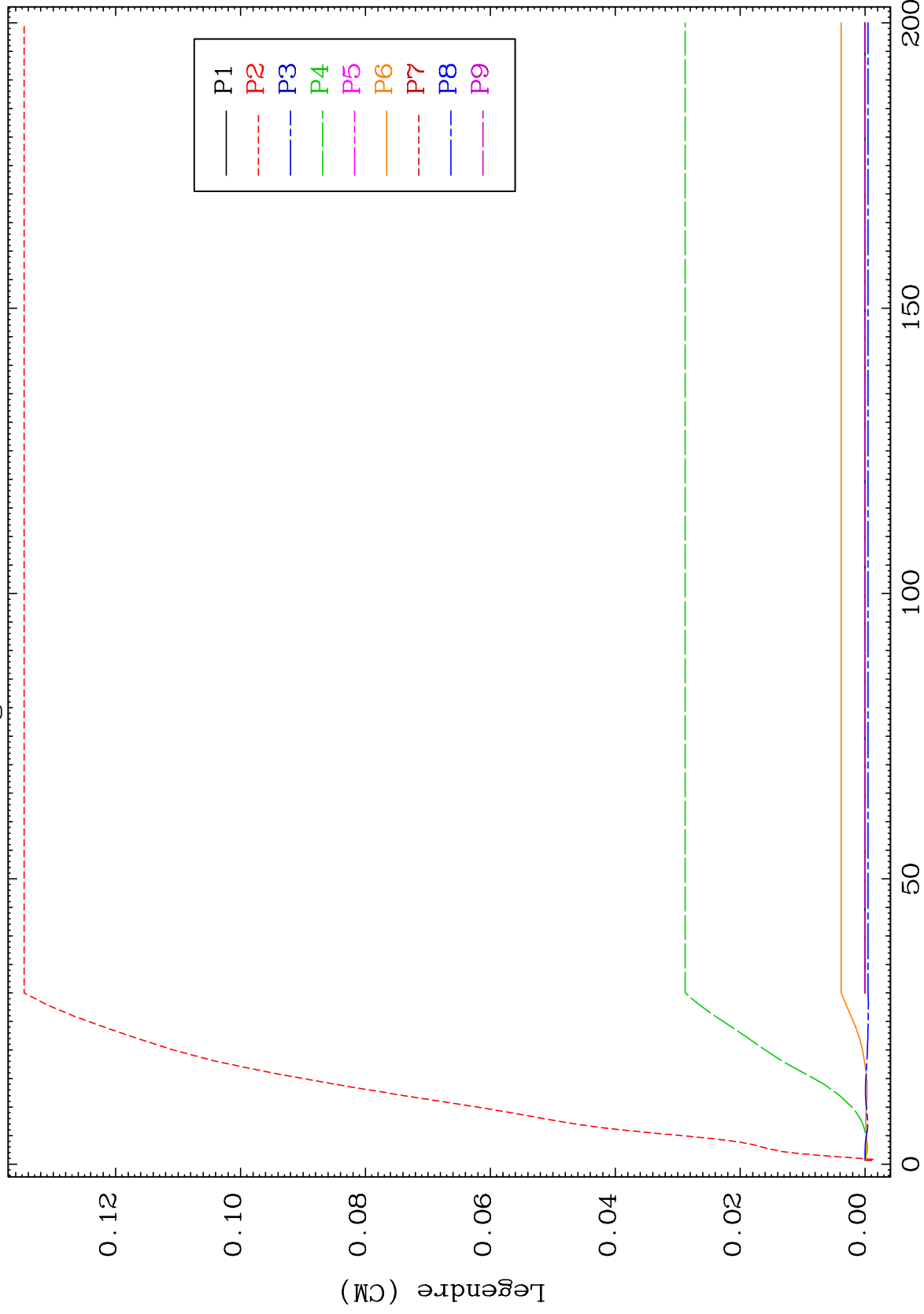
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



44-Ru-103

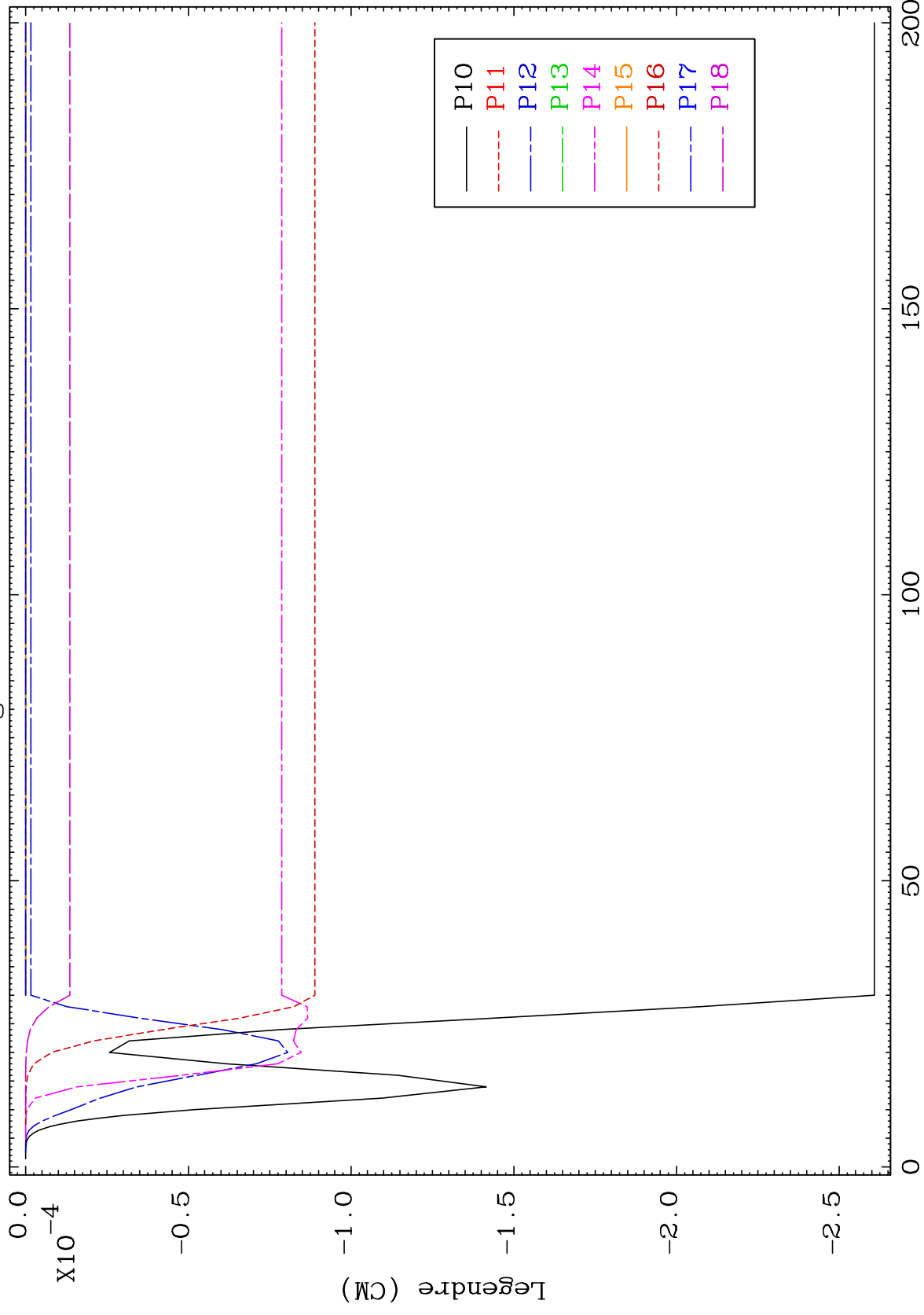
Incident Energy (MeV)

75

MAT 4446

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

44-Ru-103



76

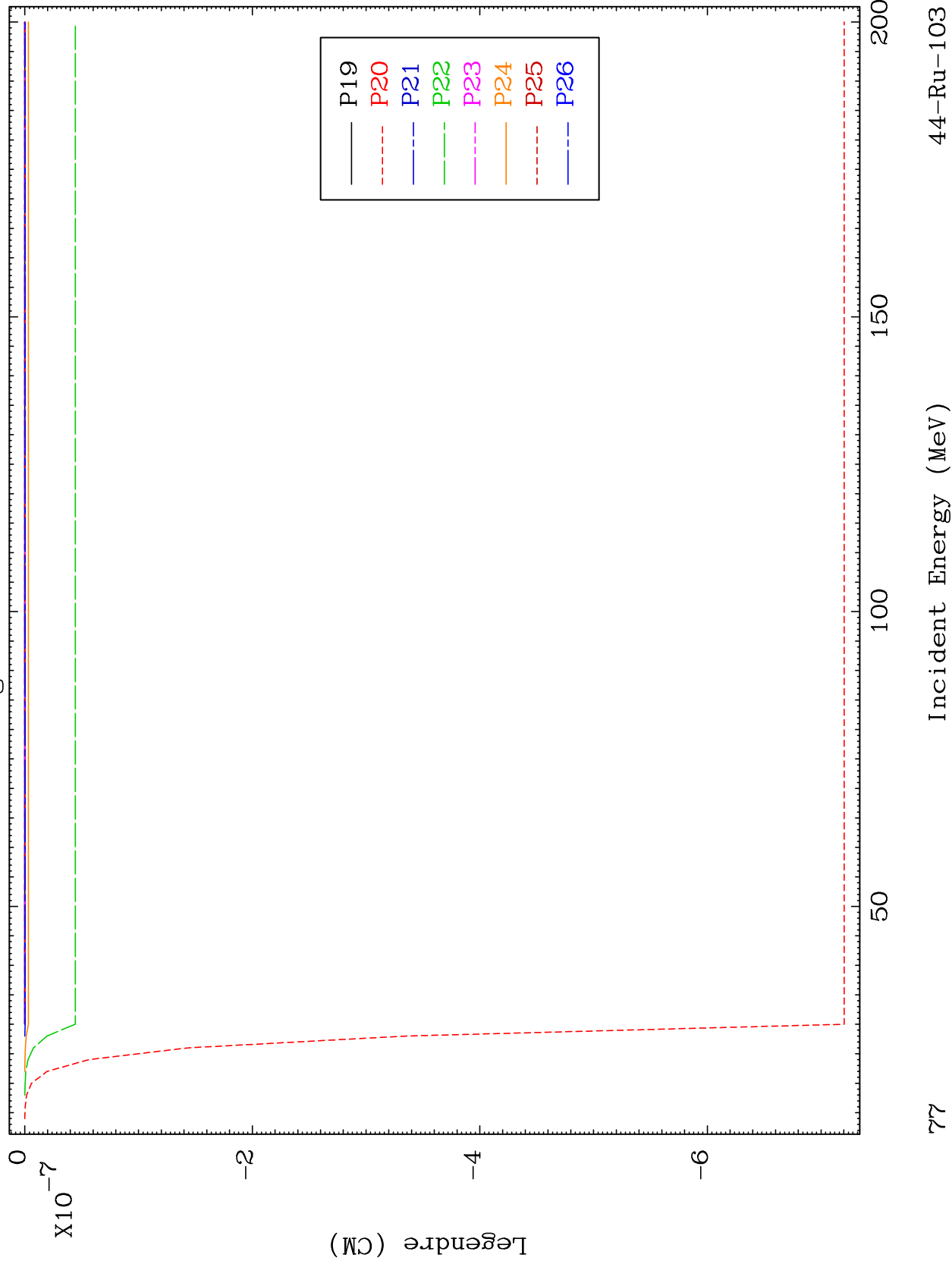
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

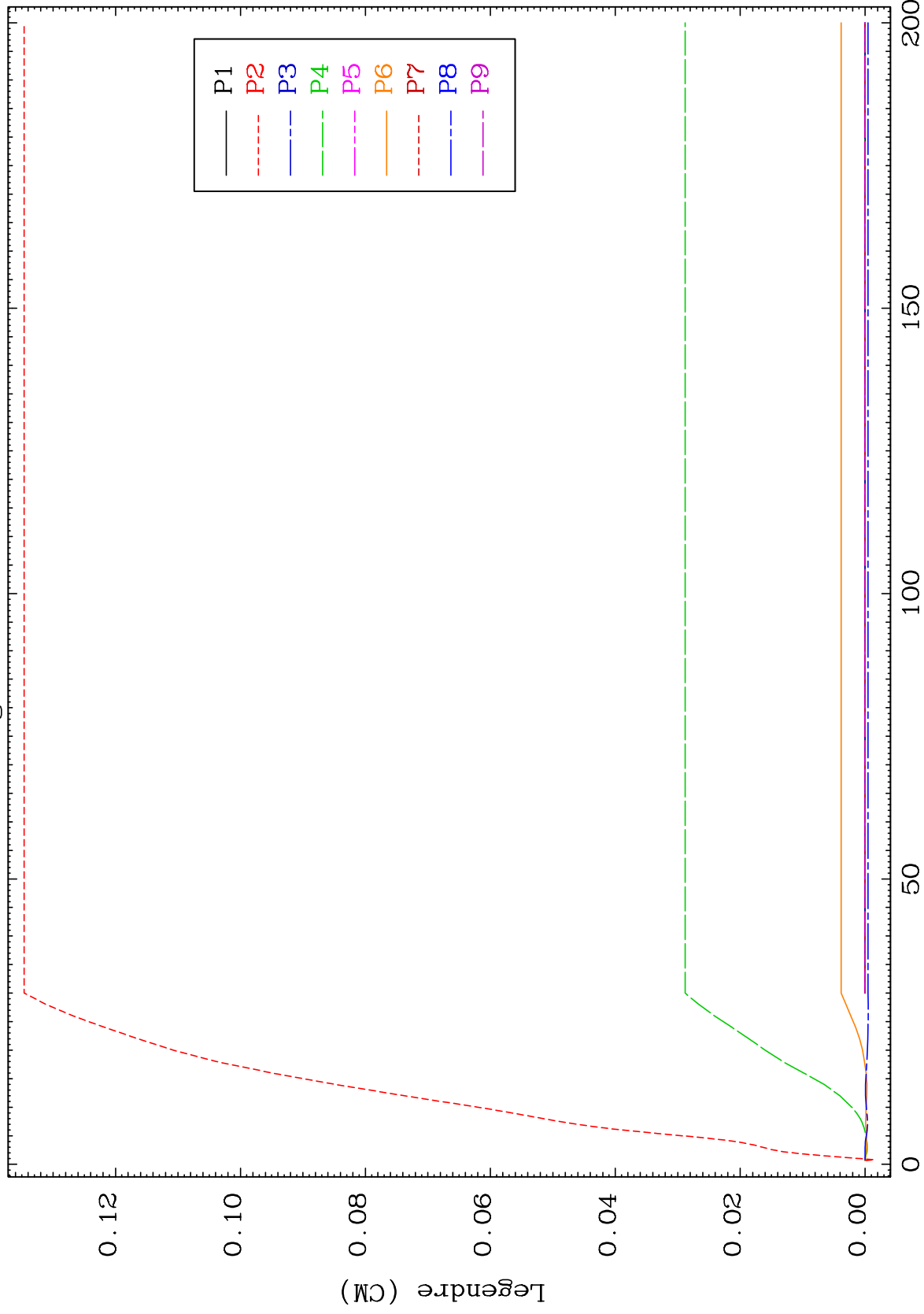
44-Ru-103



MAT 4446

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

44-Ru-103



78

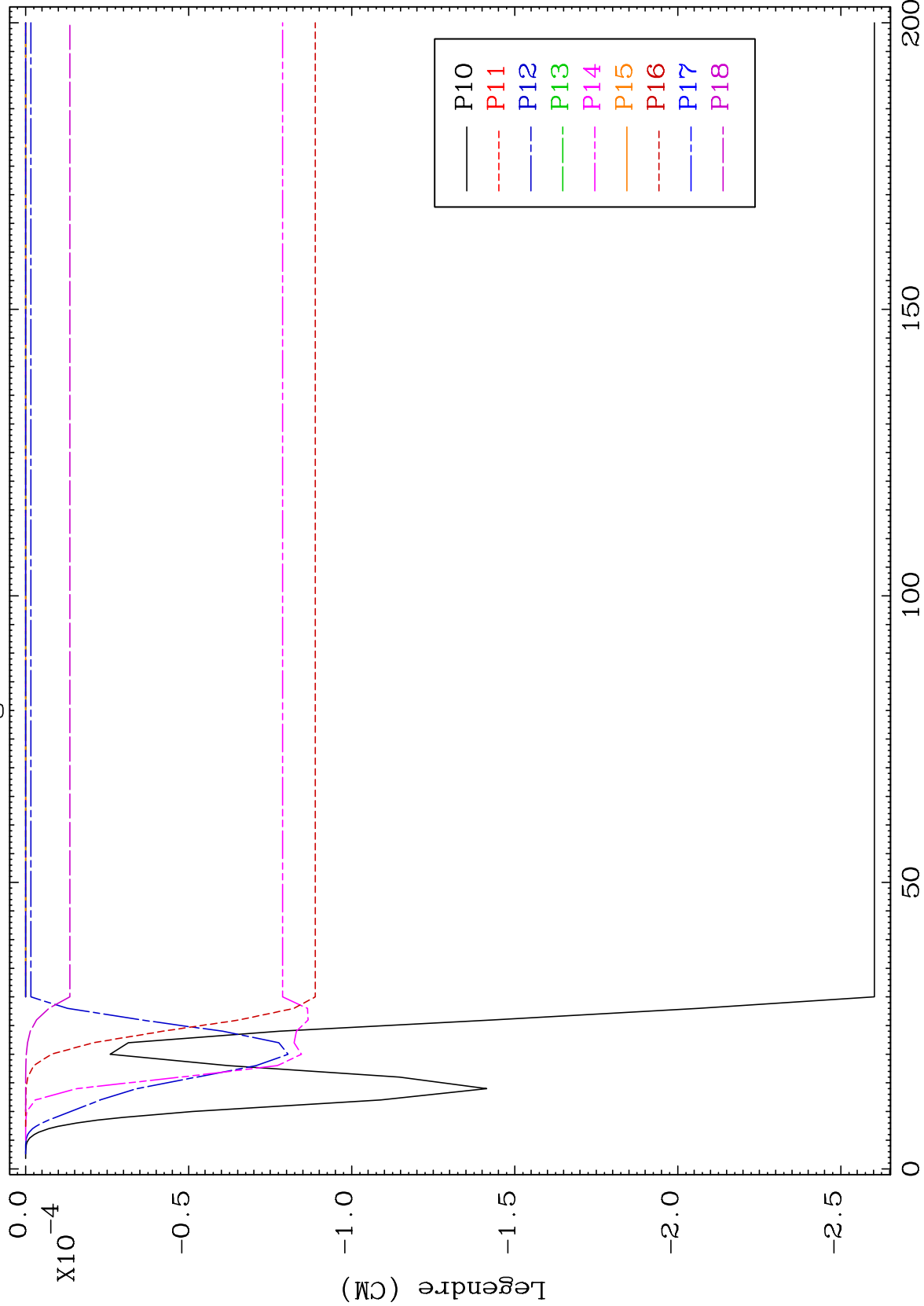
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



79

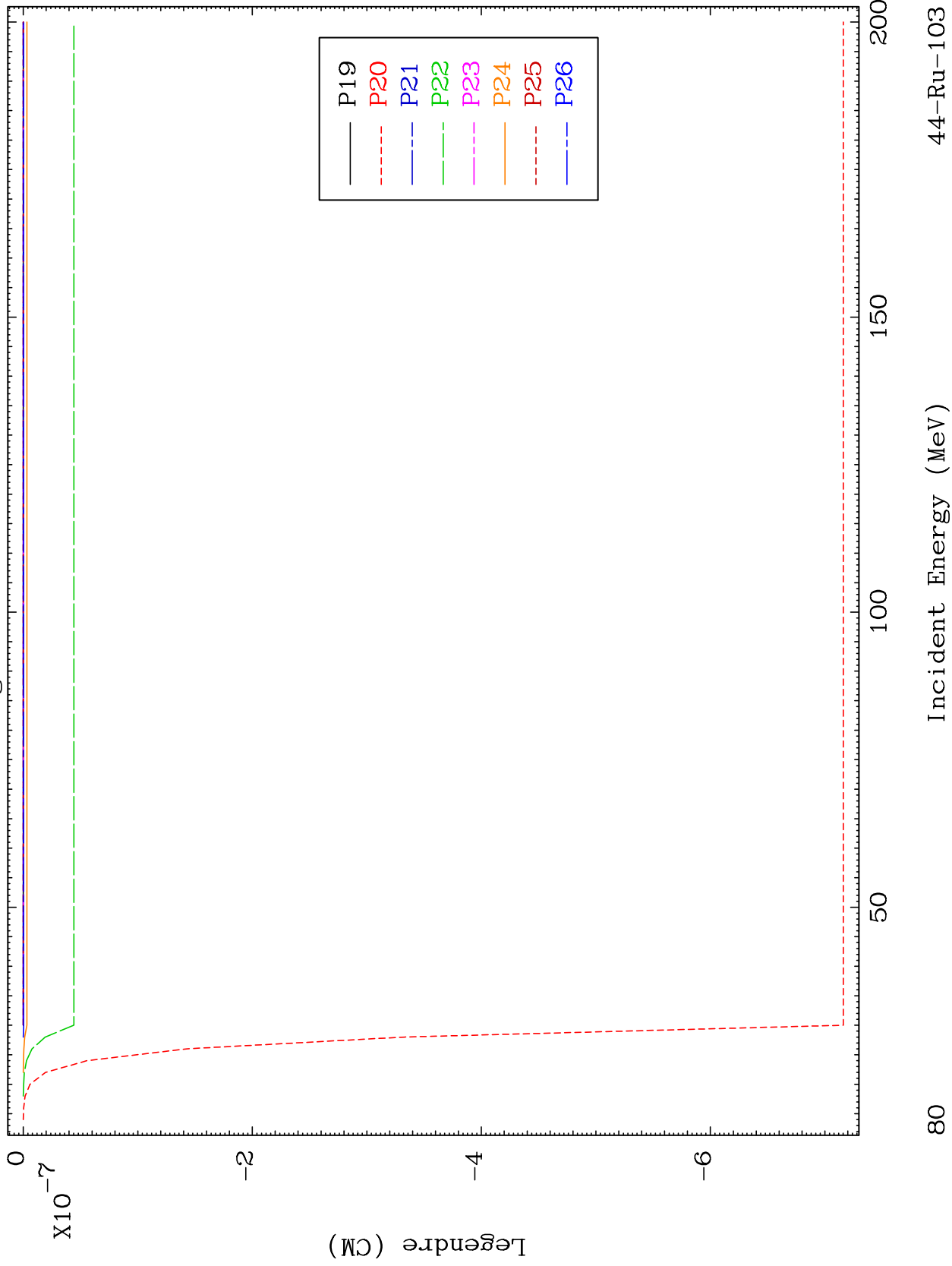
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



80

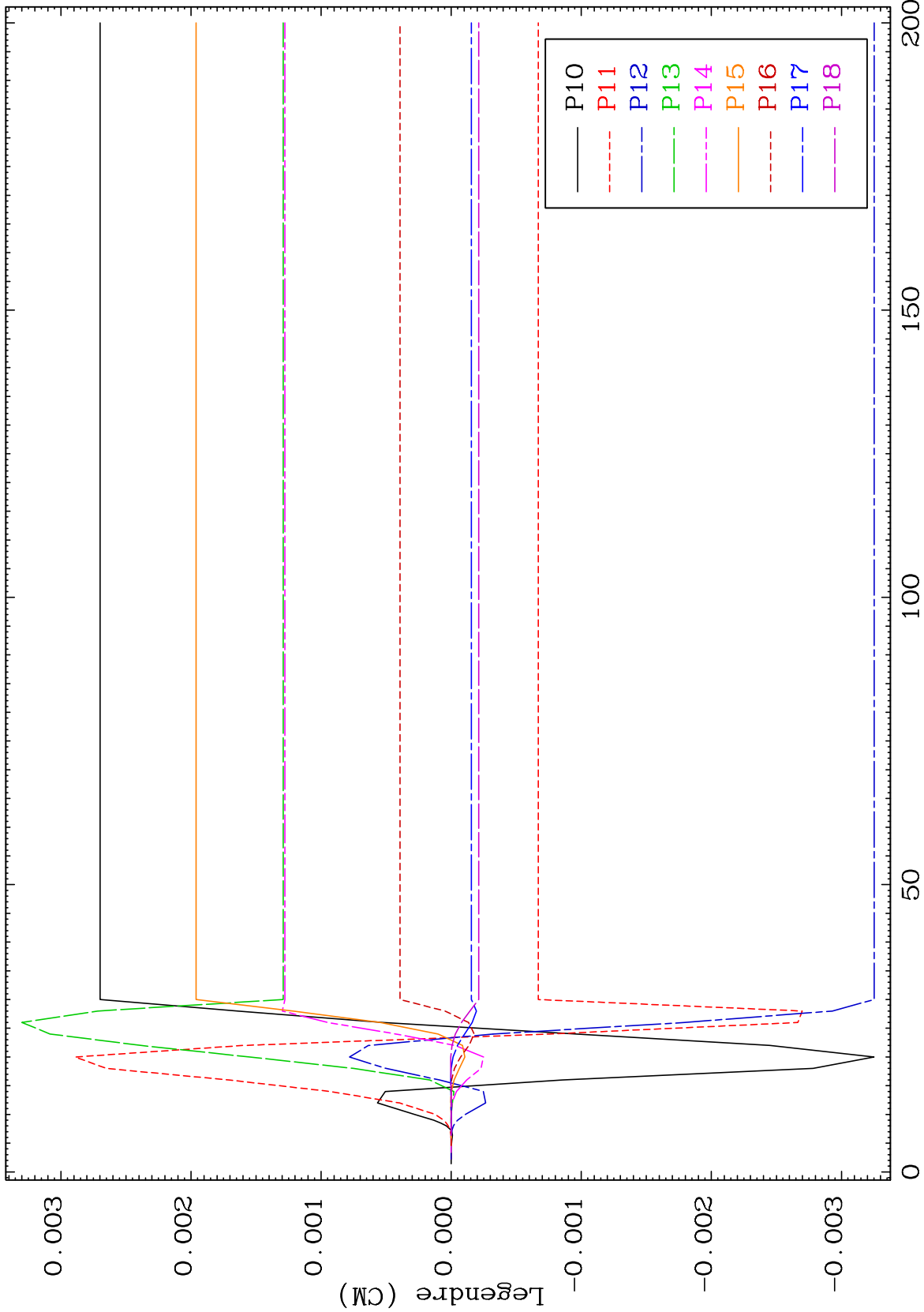
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



82

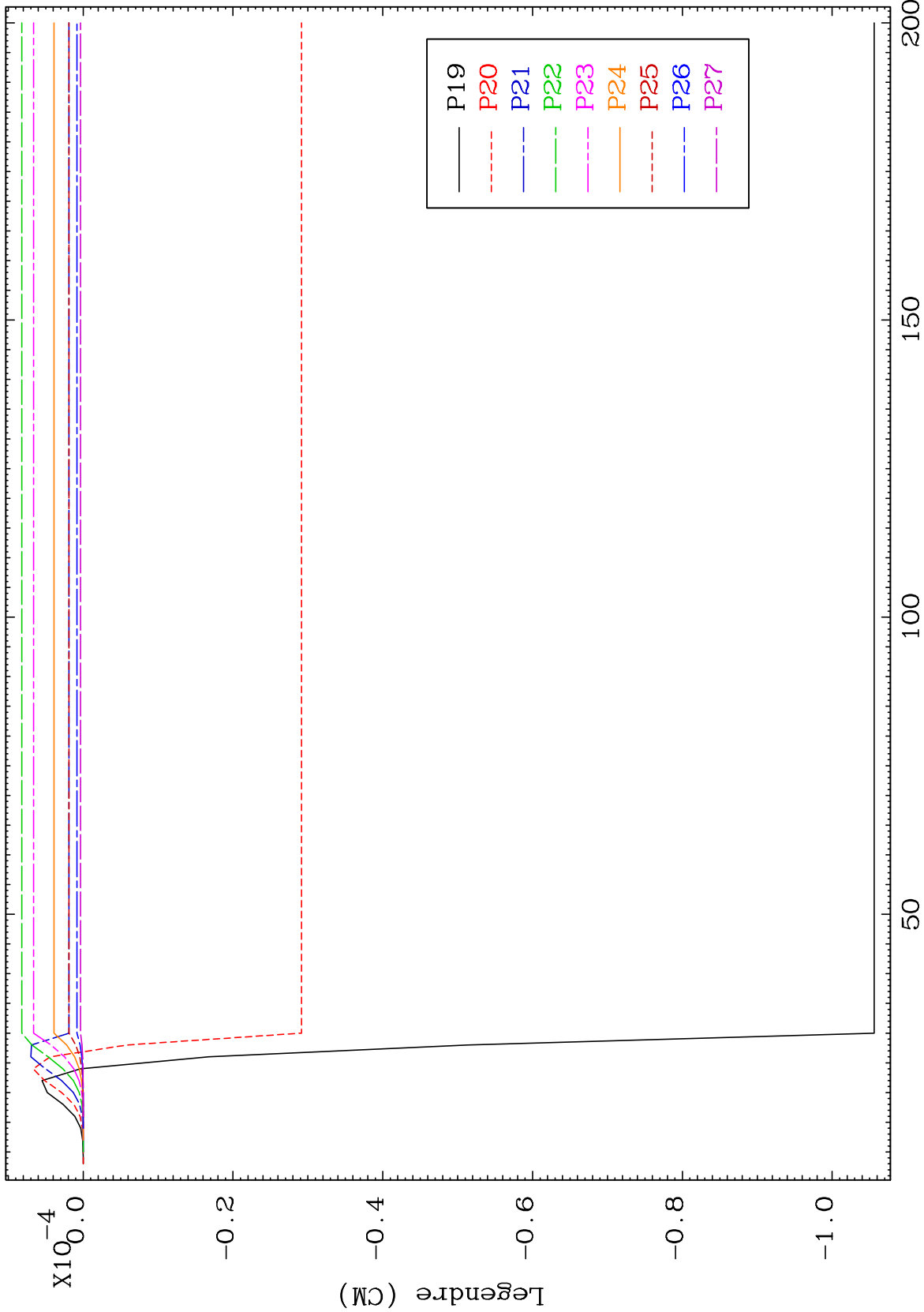
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

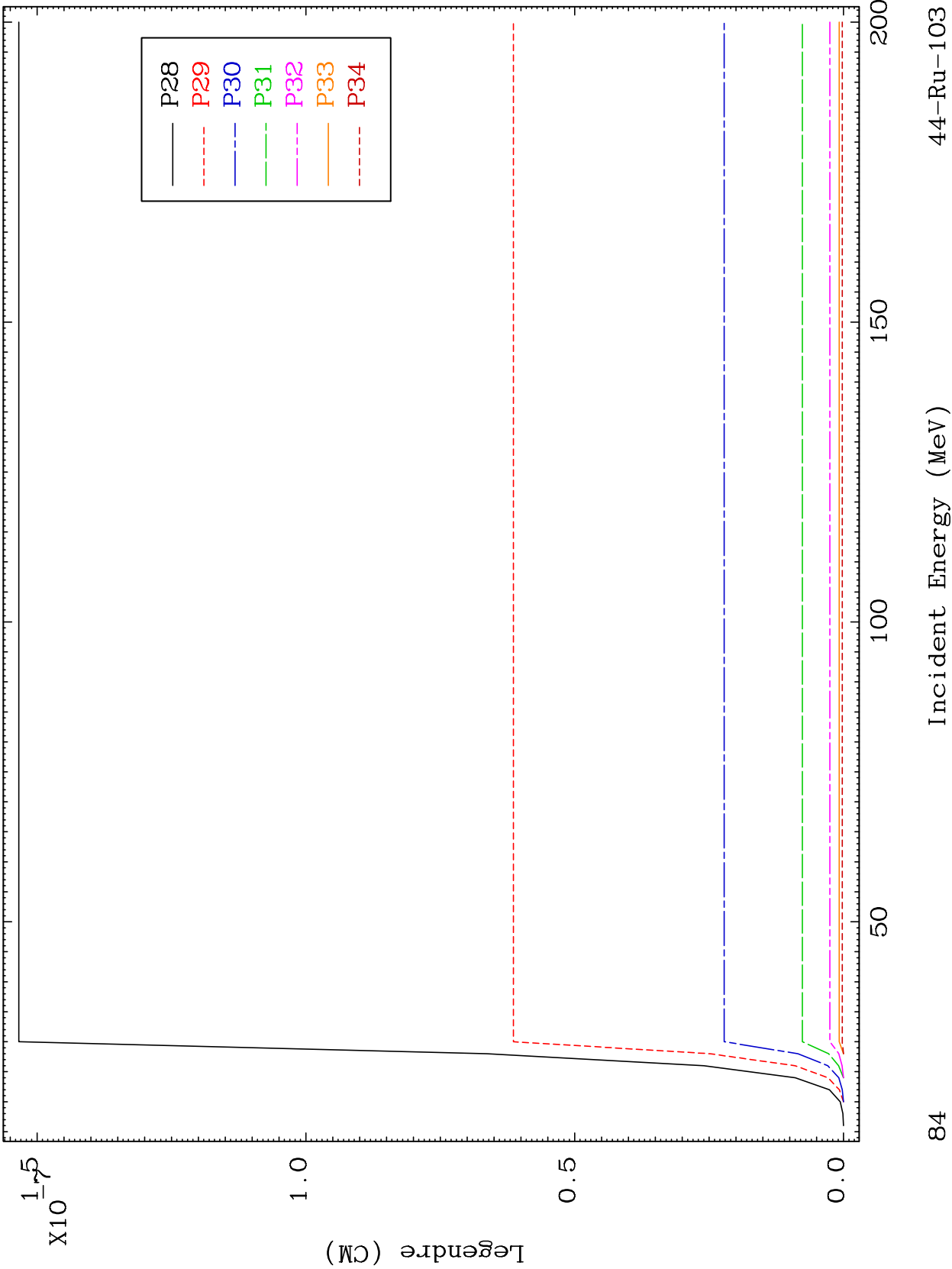
44-Ru-103



MAT 4446

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

44-Ru-103



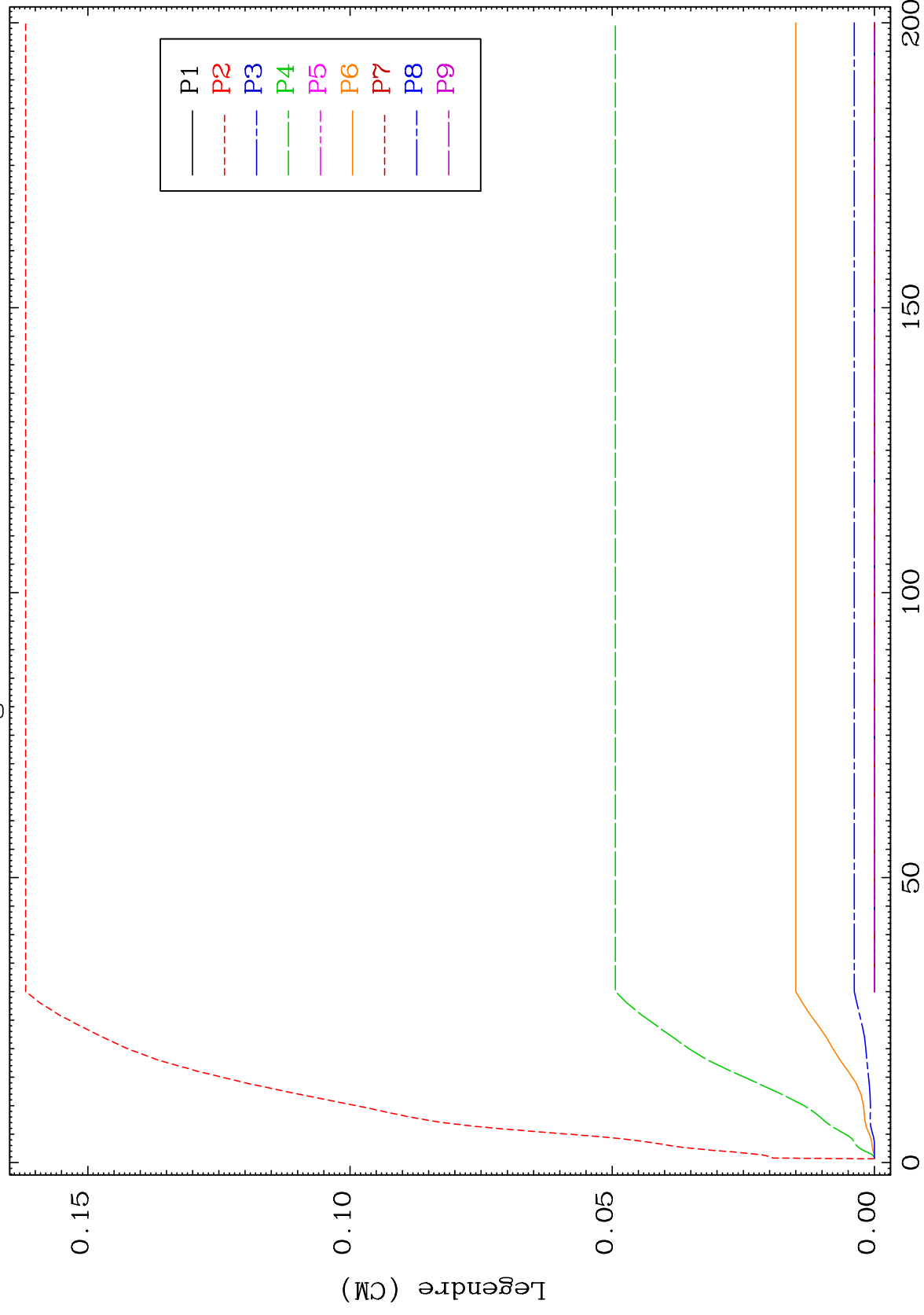
84

44-Ru-103

MAT 4446

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

44-Ru-103



85

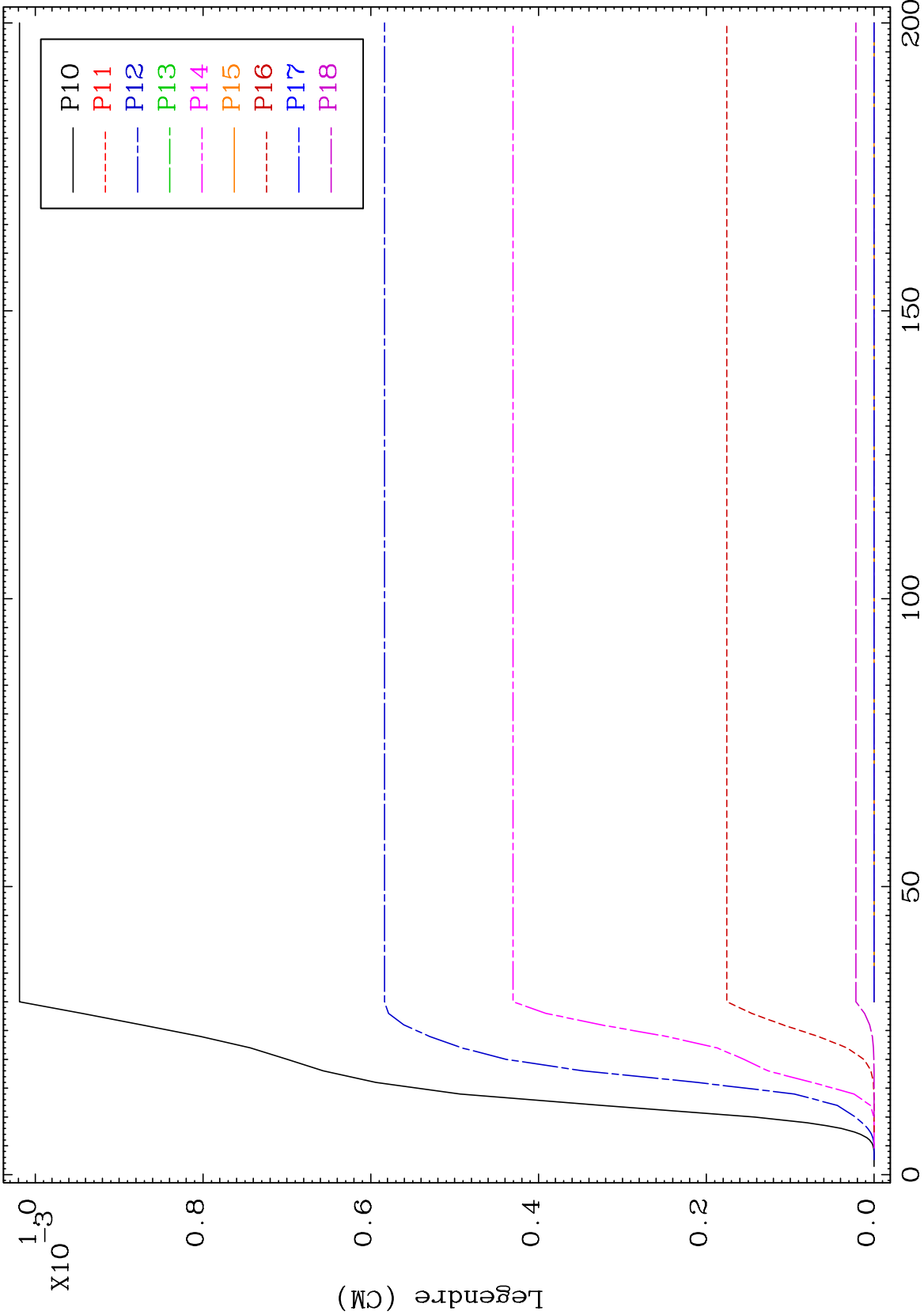
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



86

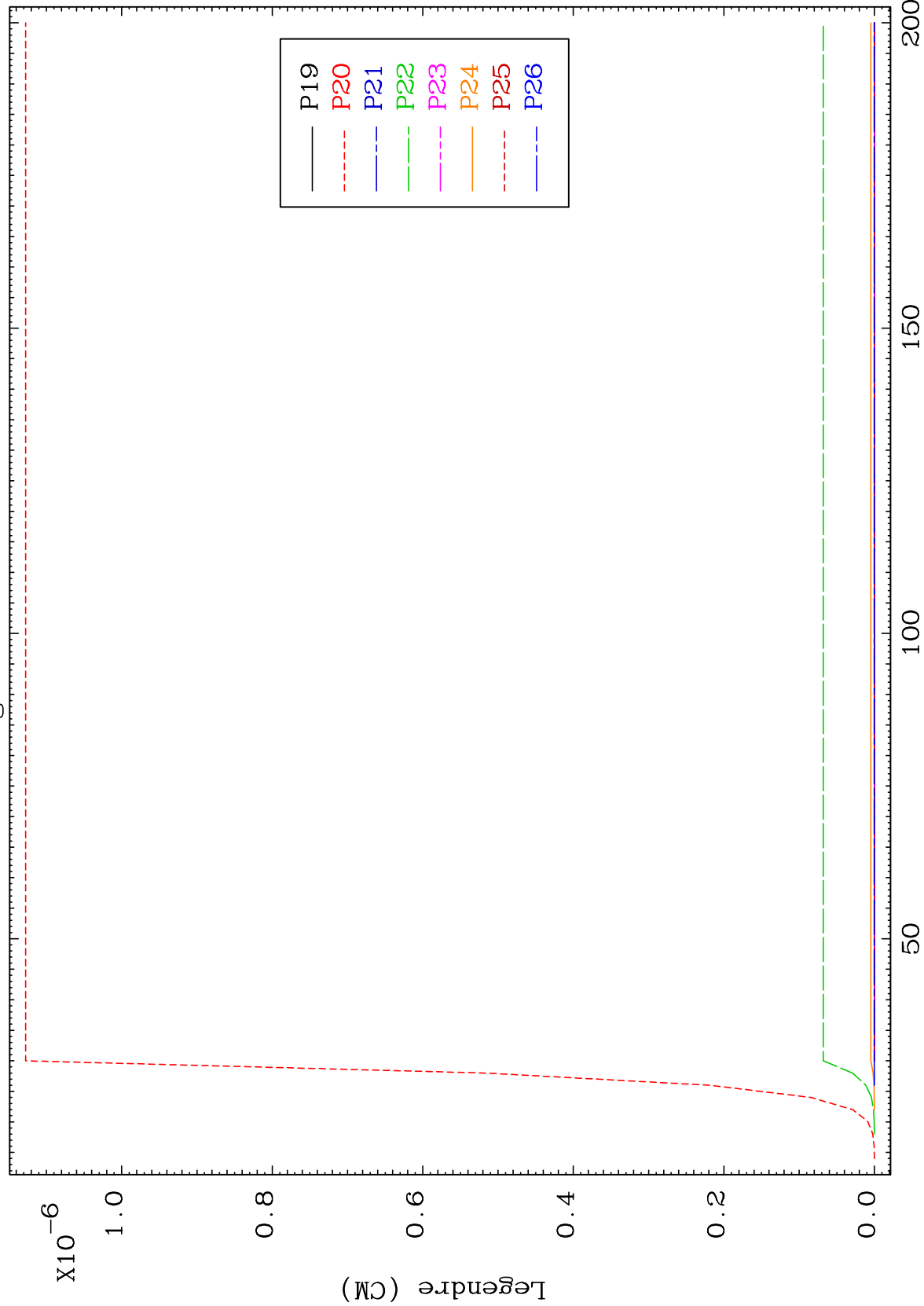
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



87

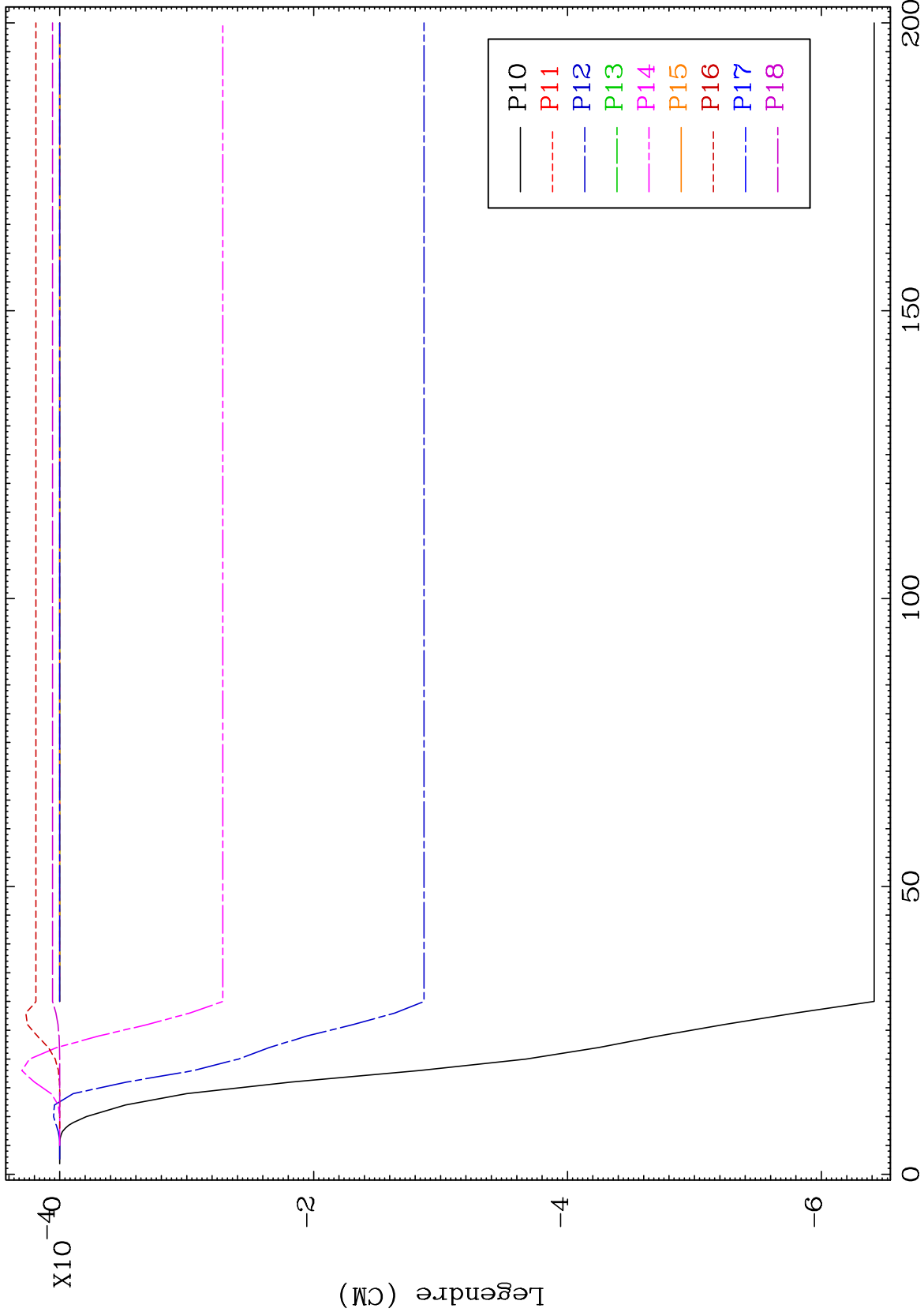
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

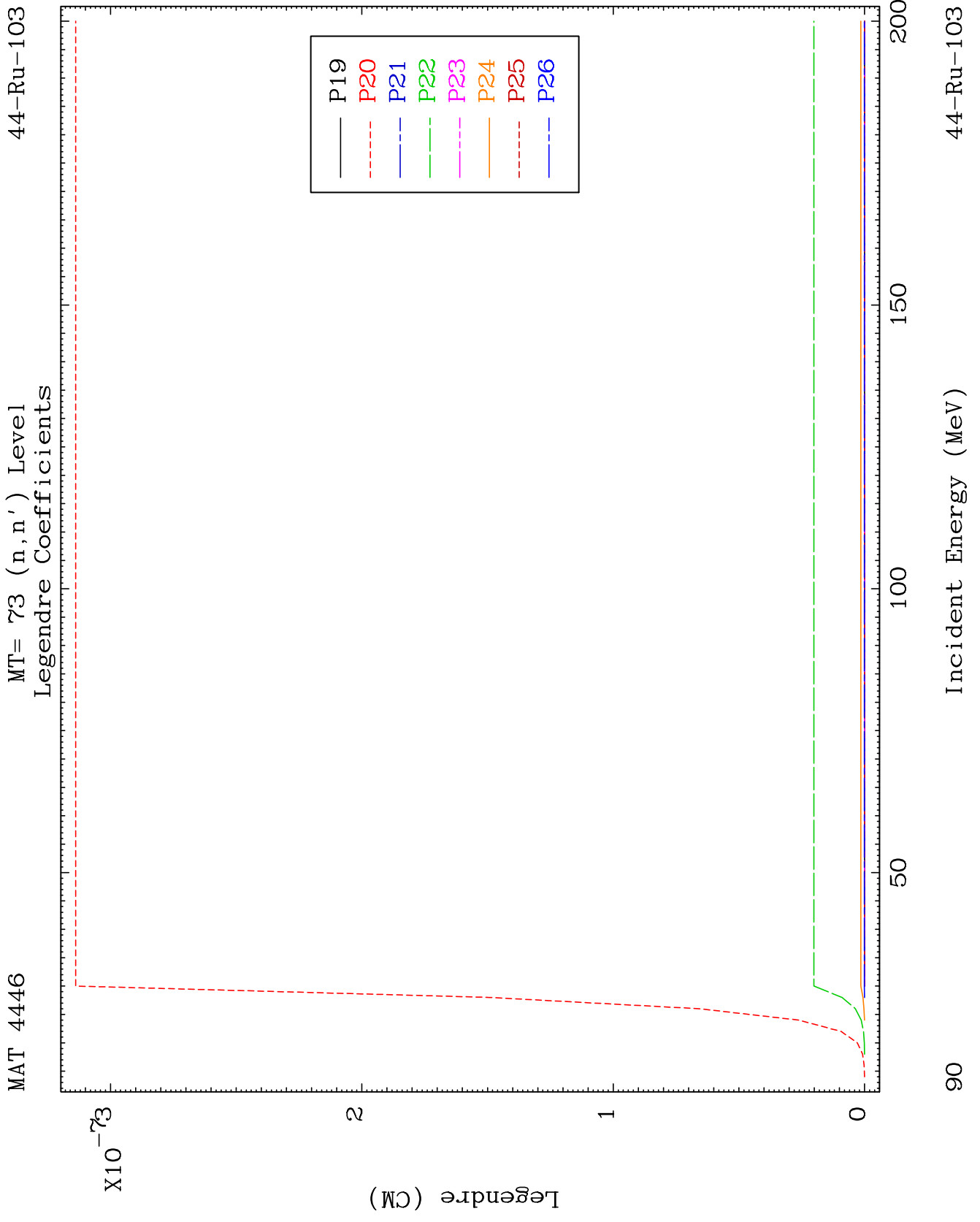
44-Ru-103



89

Incident Energy (MeV)

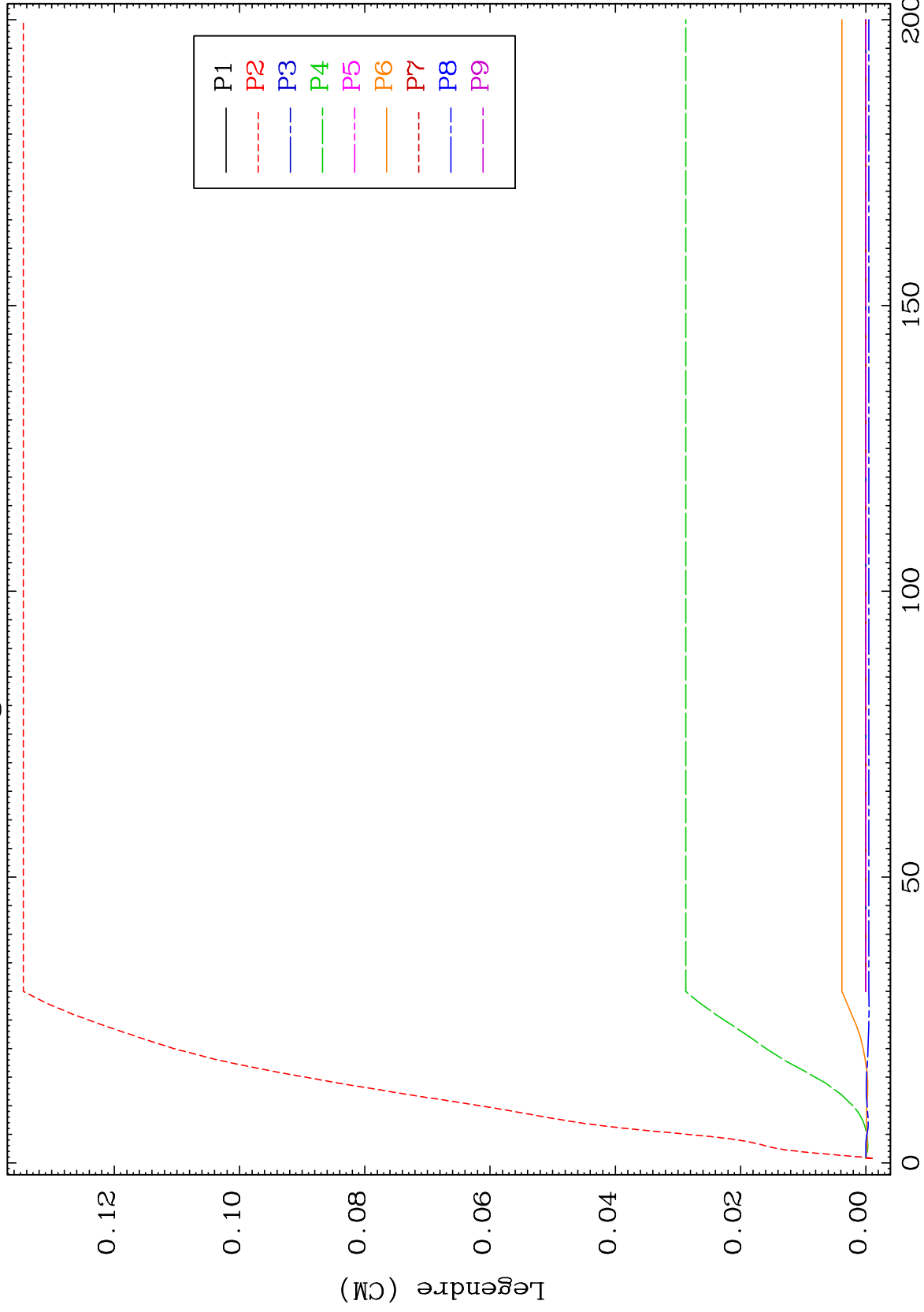
44-Ru-103



MAT 4446

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

44-Ru-103



91

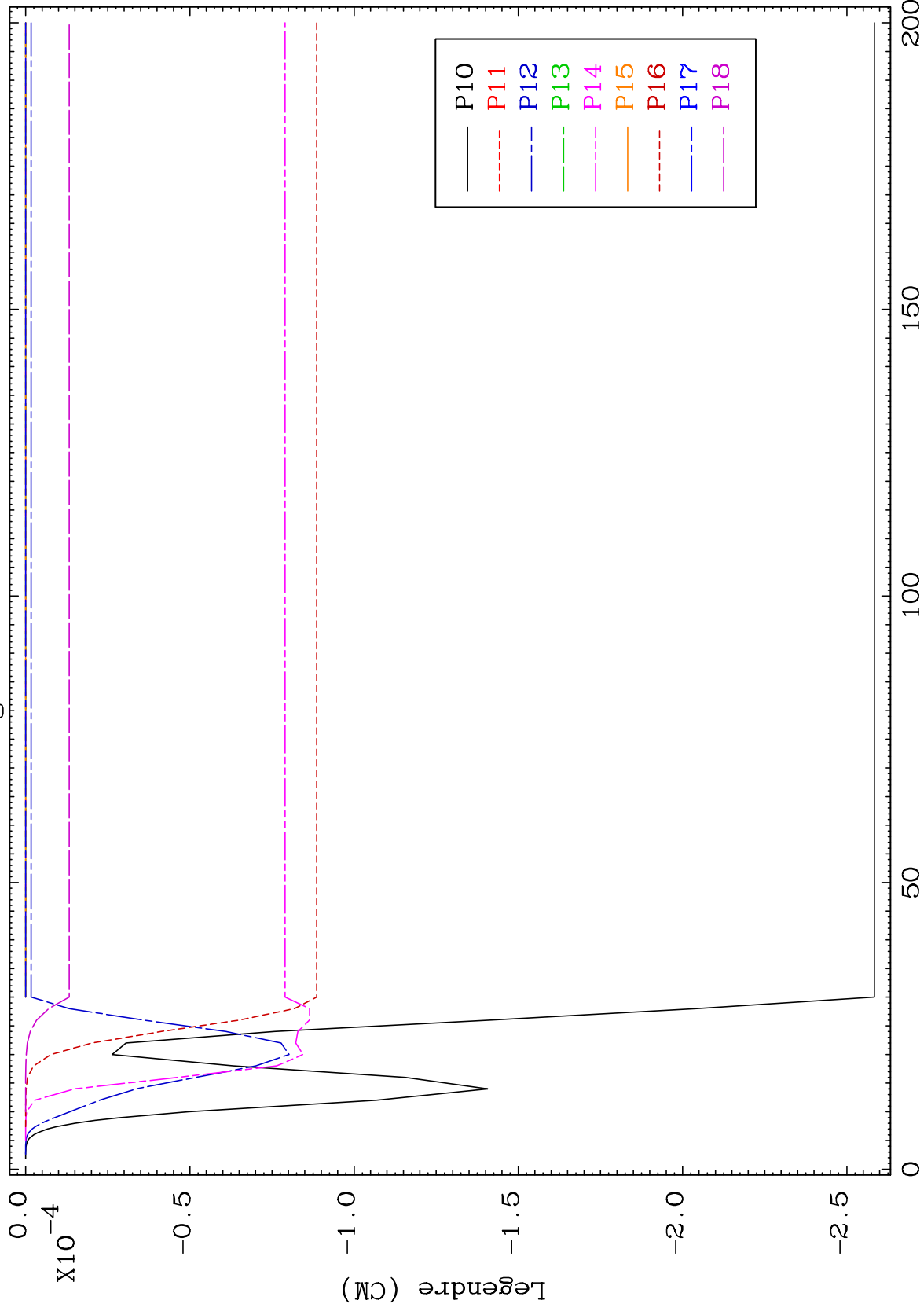
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

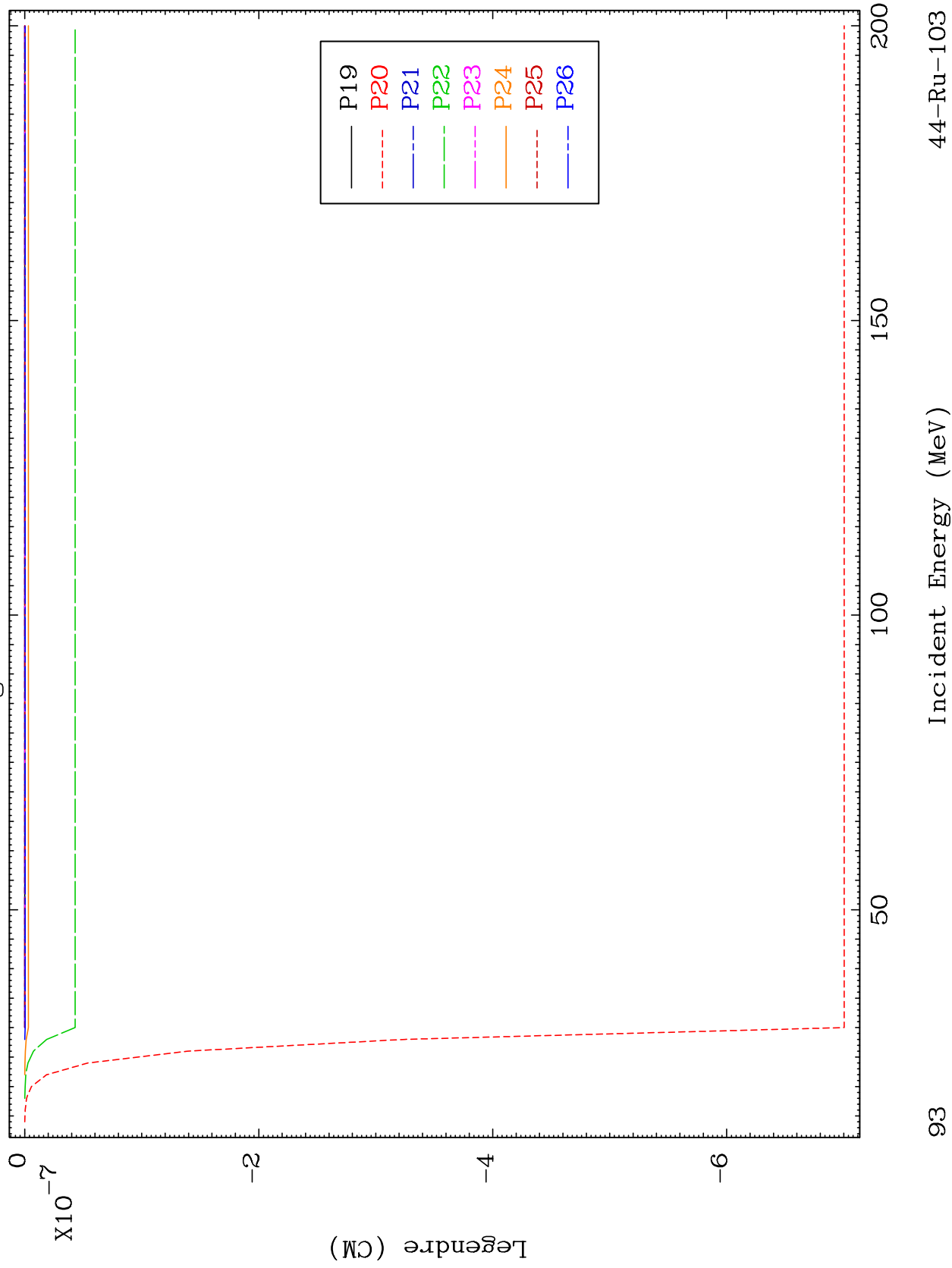
44-Ru-103



MAT 4446

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

44-Ru-103



93

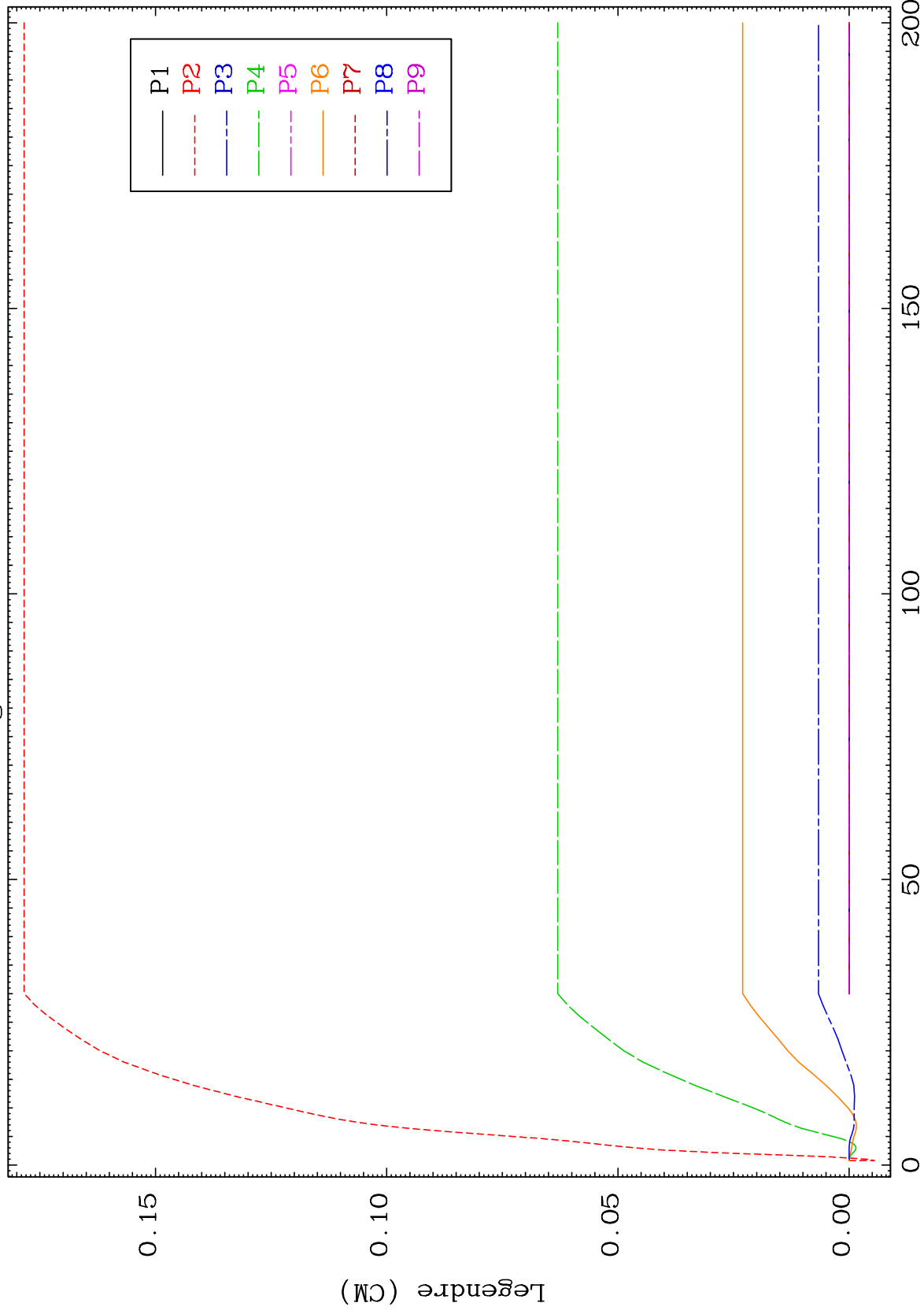
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

44-Ru-103



94

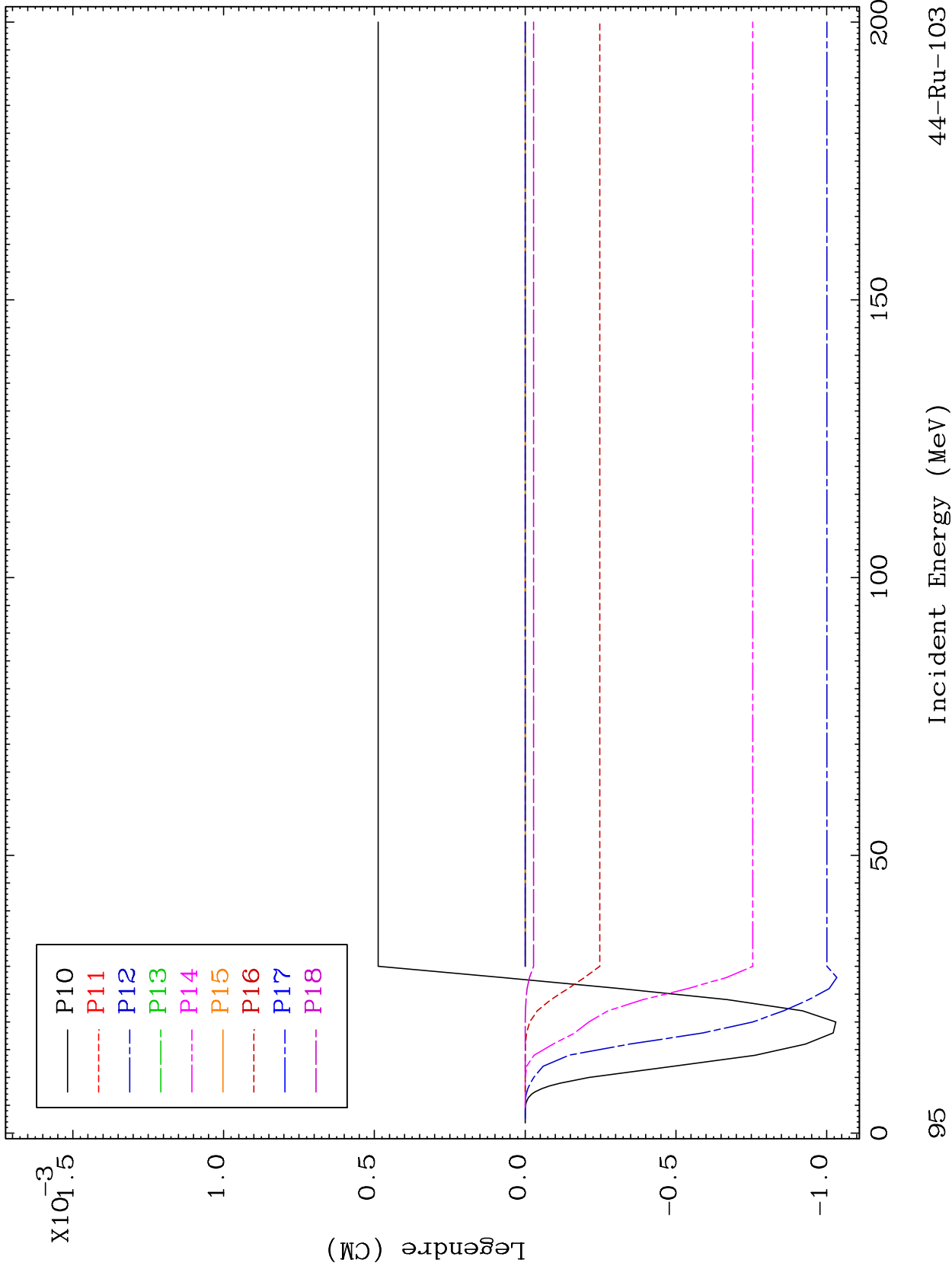
Incident Energy (MeV)

44-Ru-103

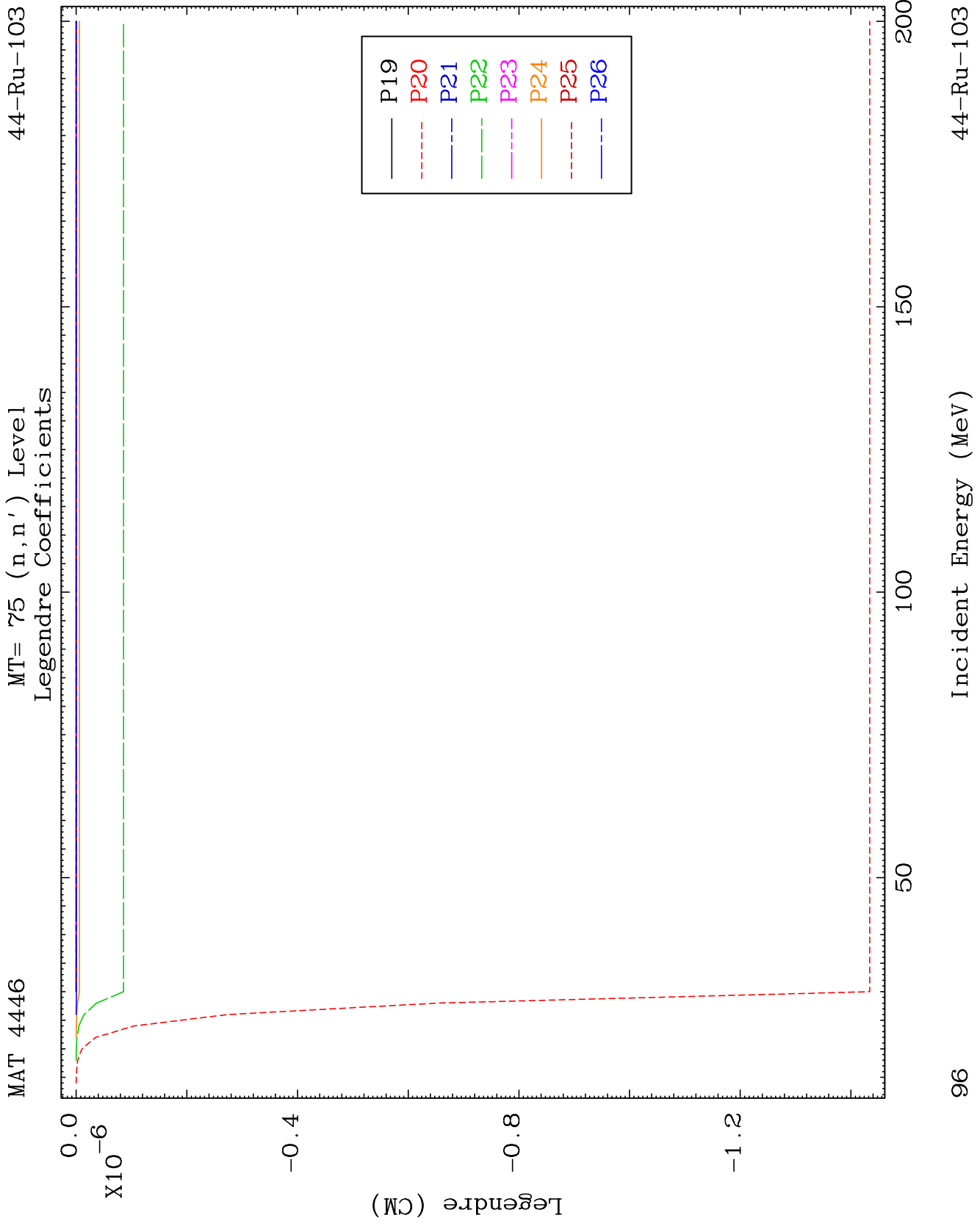
MAT 4446

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

44-Ru-103



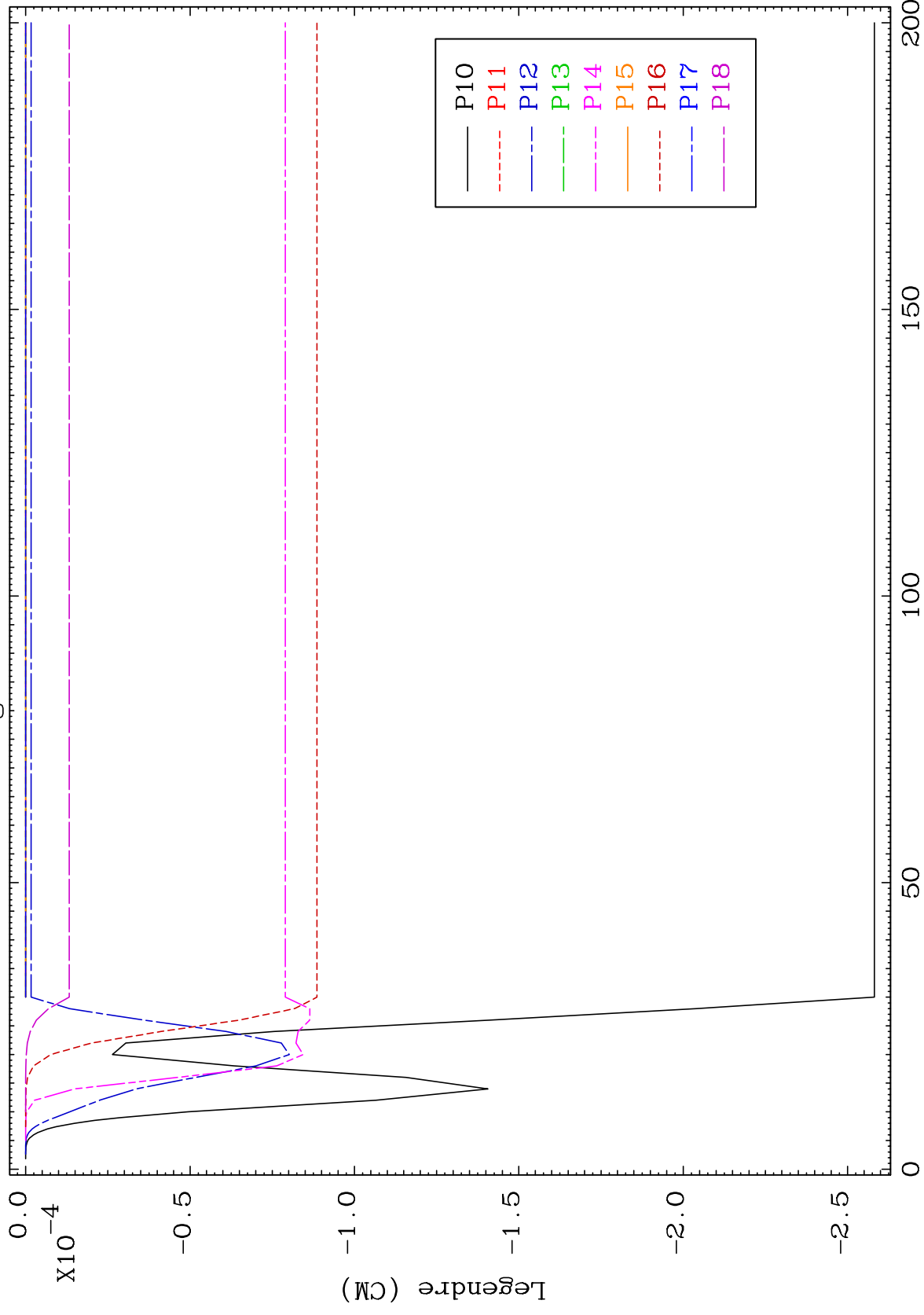
95



MAT 4446

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

44-Ru-103



98

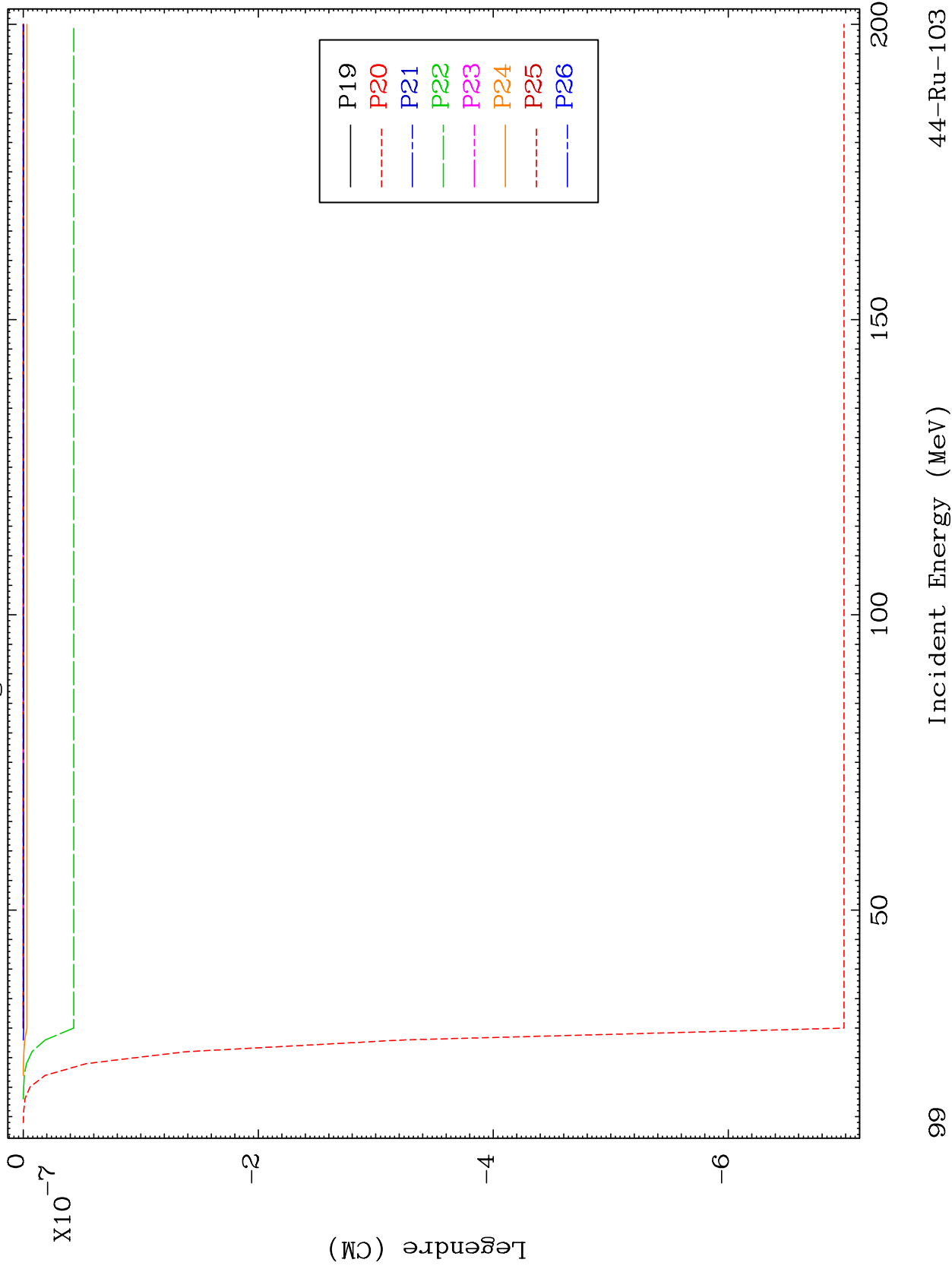
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

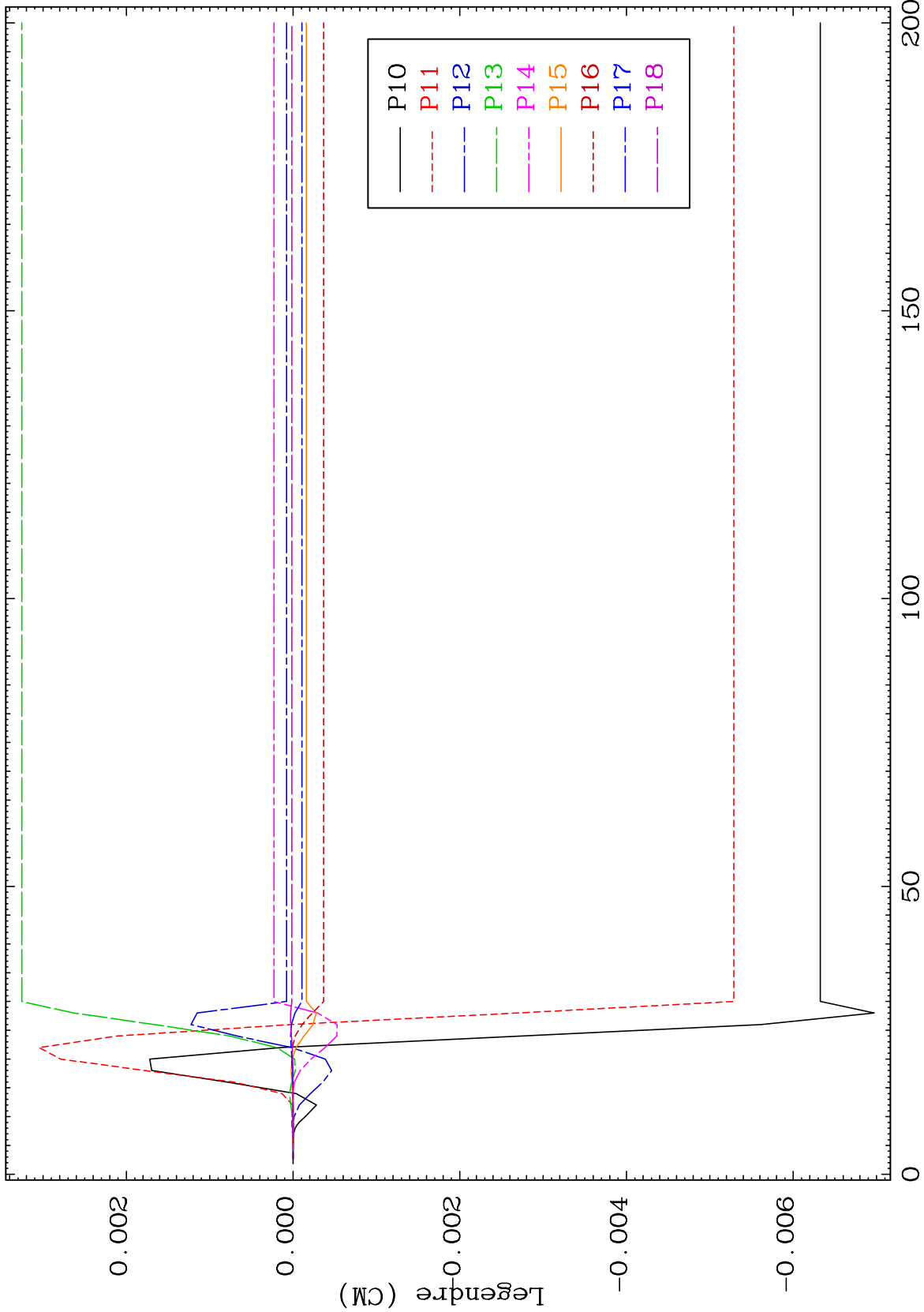
44-Ru-103



MAT 4446

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

44-Ru-103



101

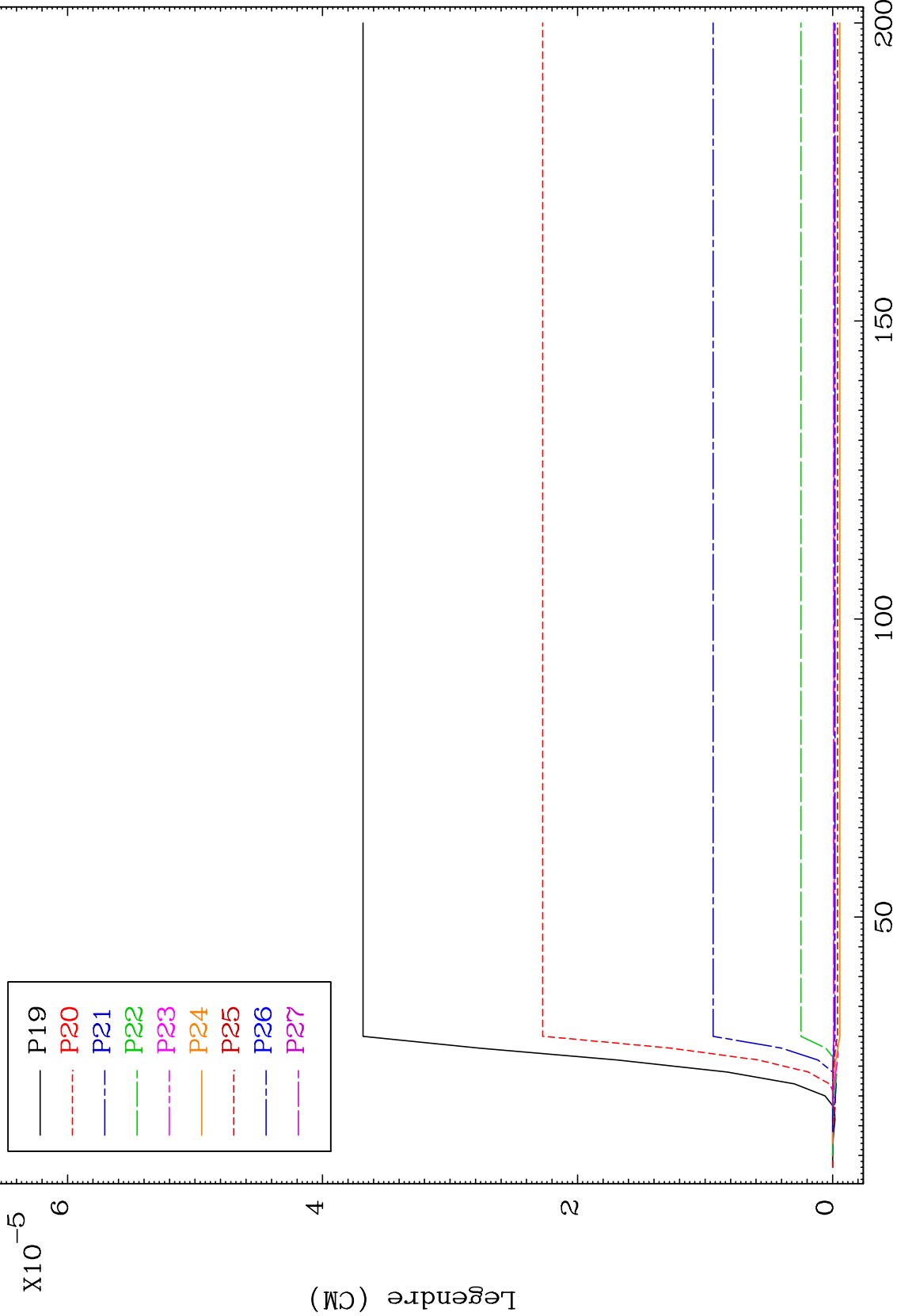
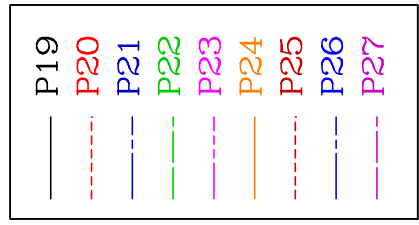
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

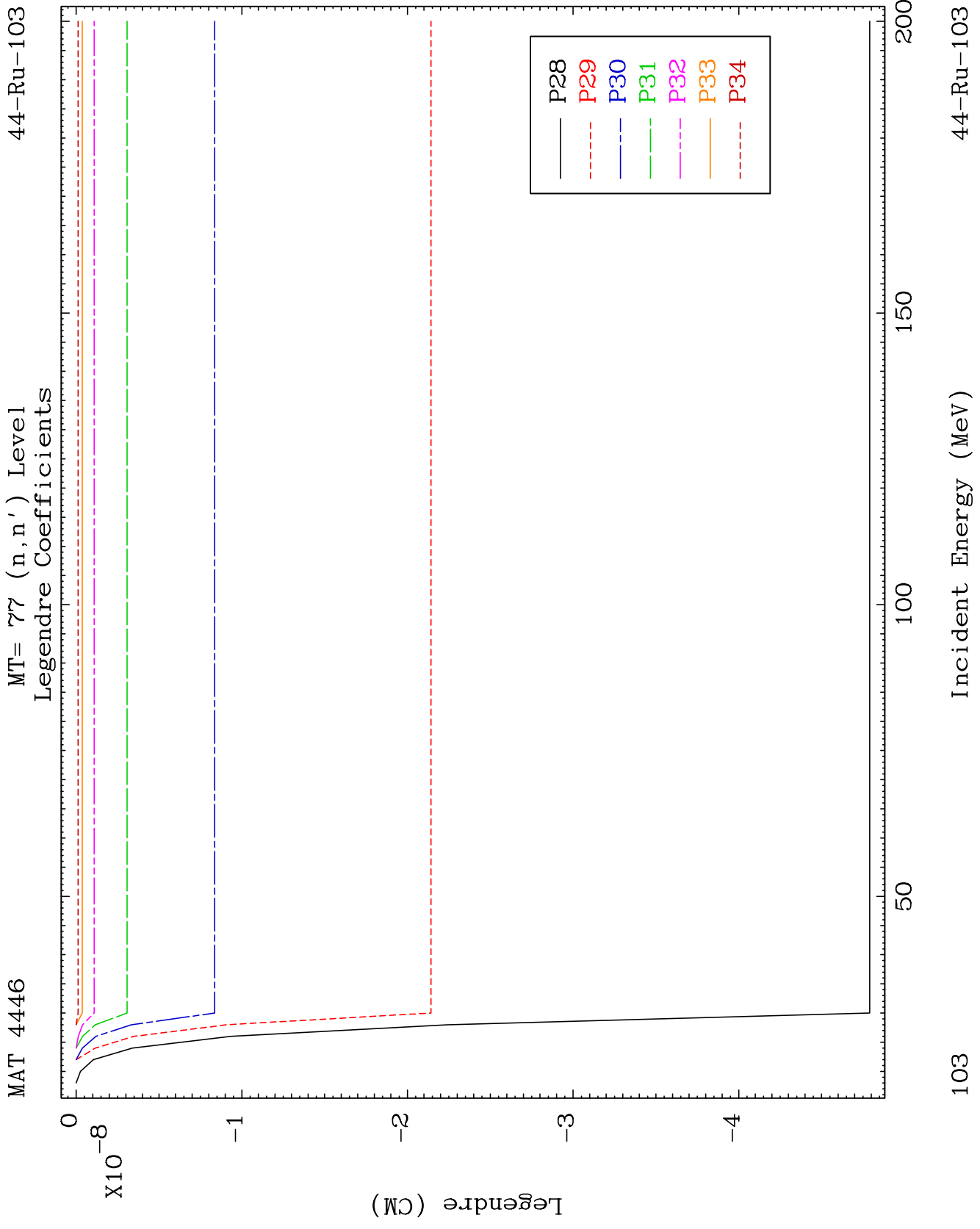
44-Ru-103



102

Incident Energy (MeV)

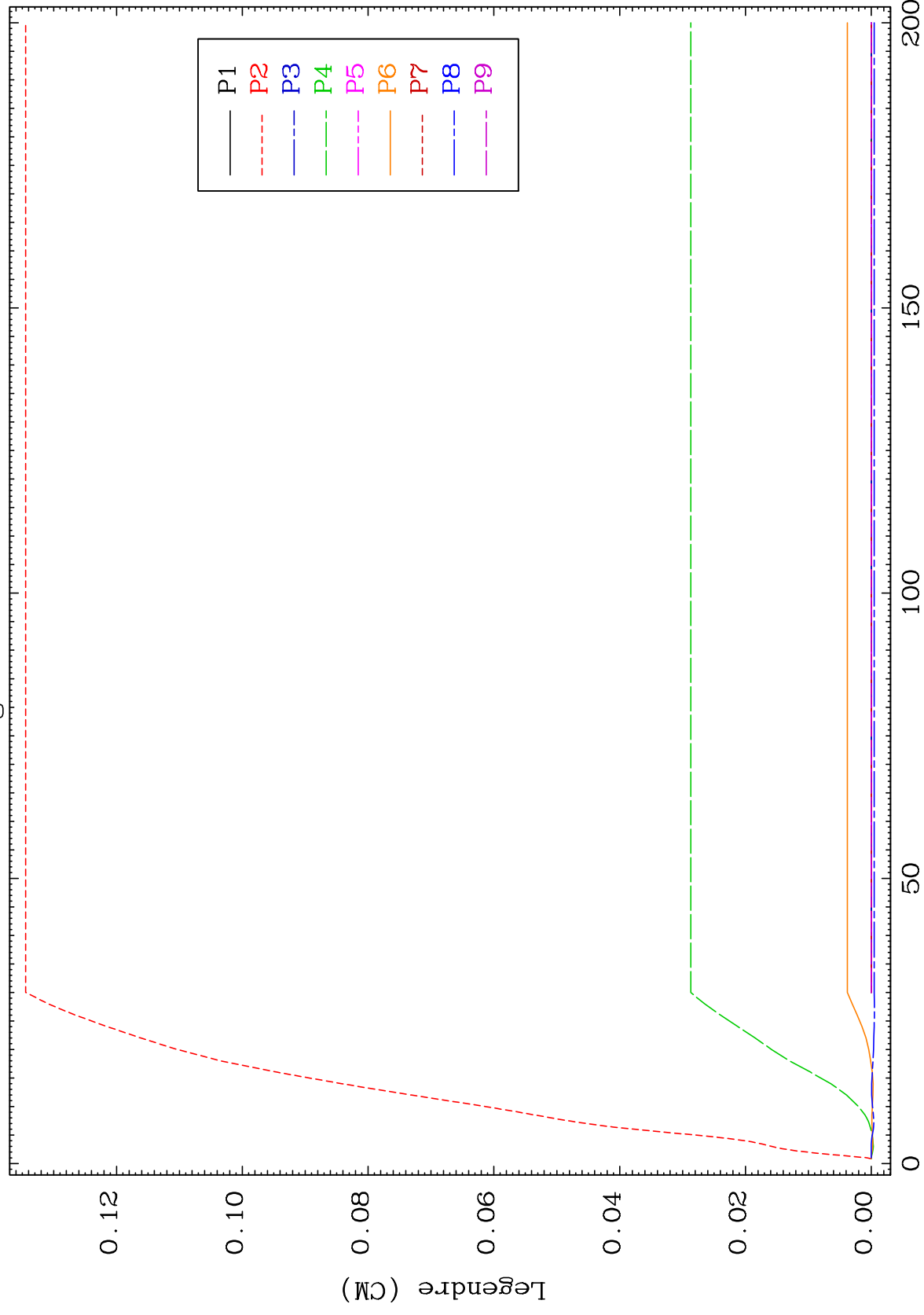
44-Ru-103



MAT 4446

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

44-Ru-103



104

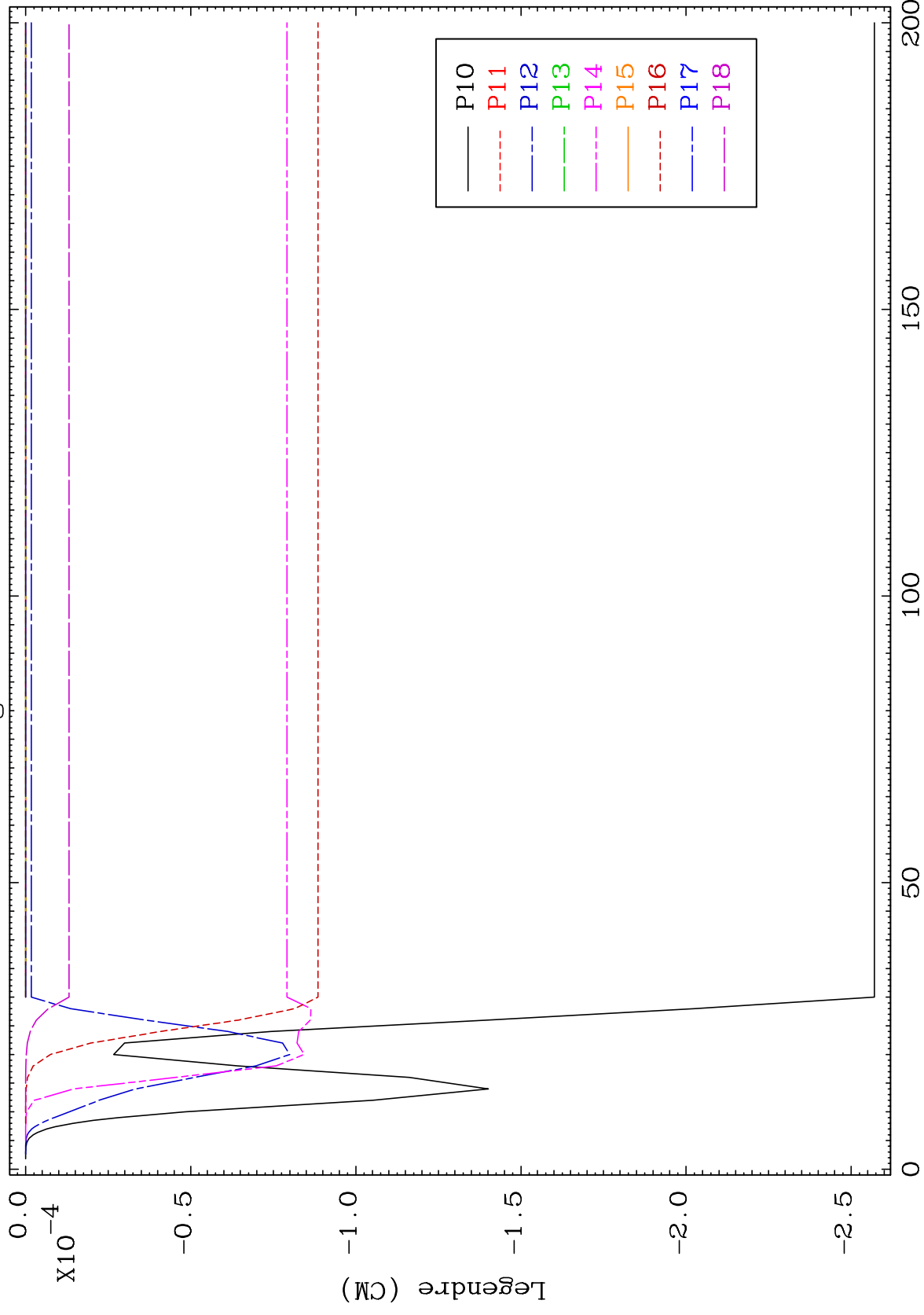
Incident Energy (MeV)

44-Ru-103

MAT 4446

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

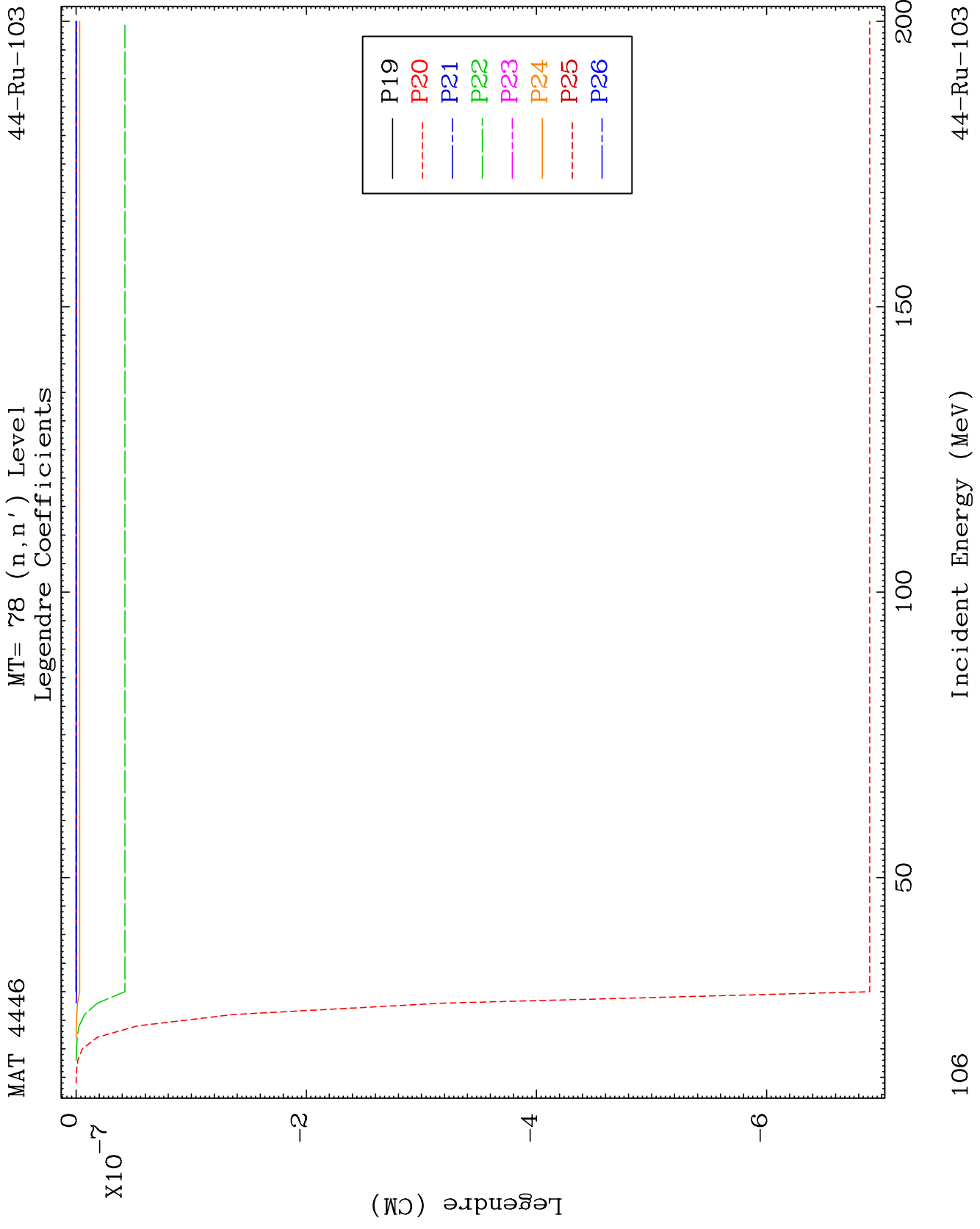
44-Ru-103

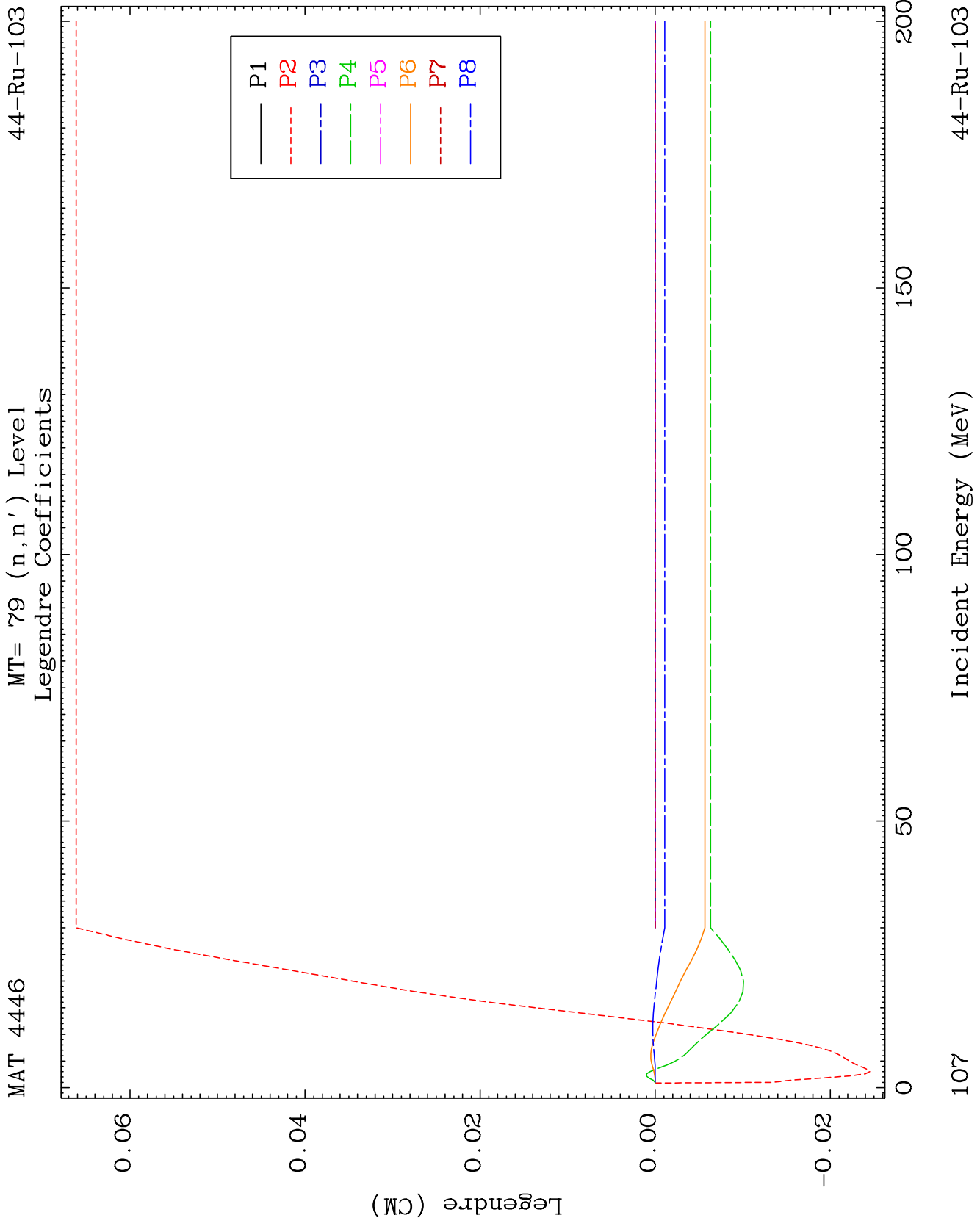


105

Incident Energy (MeV)

44-Ru-103

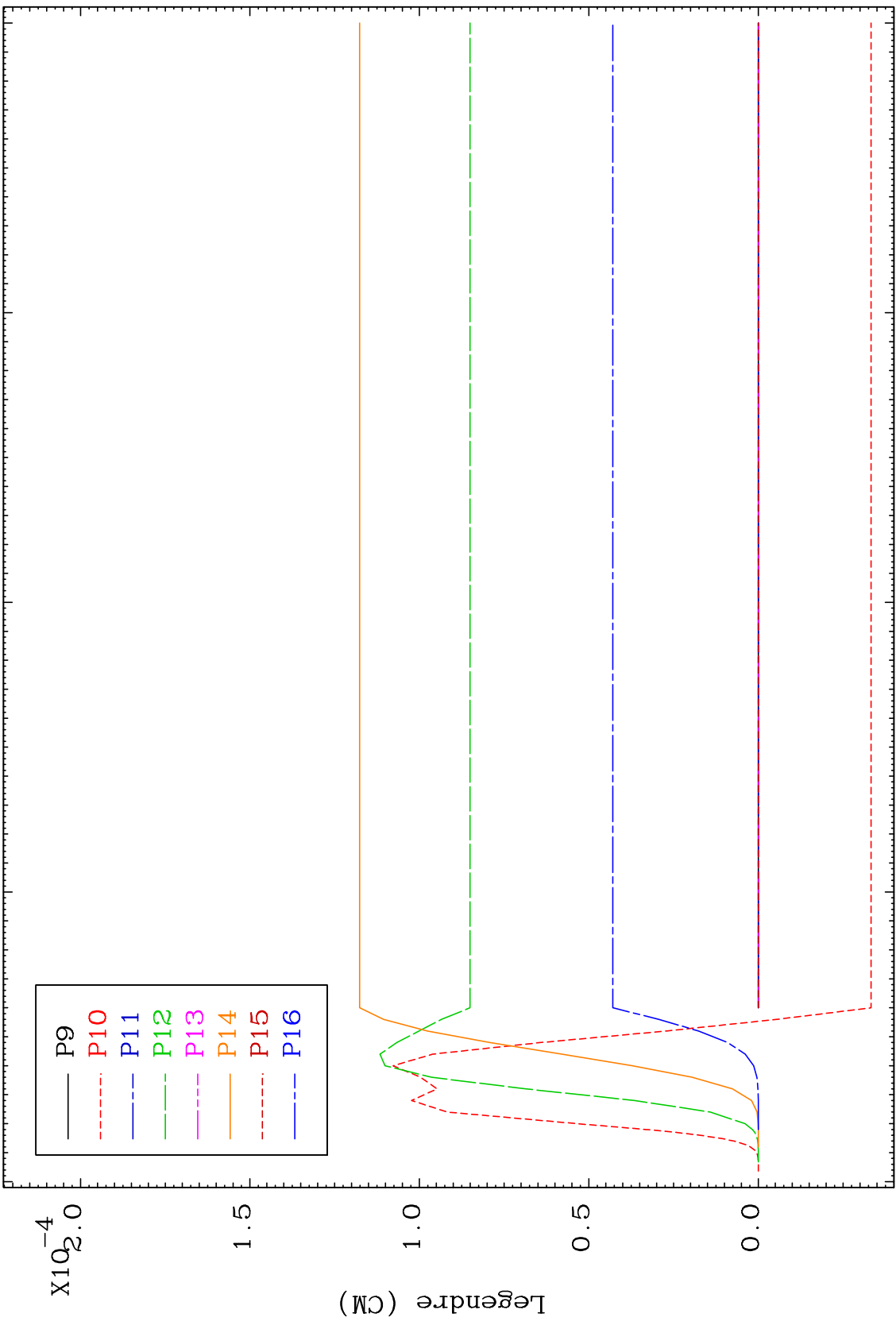
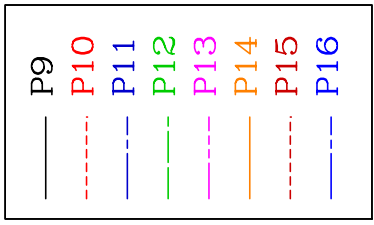




MAT 4446

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

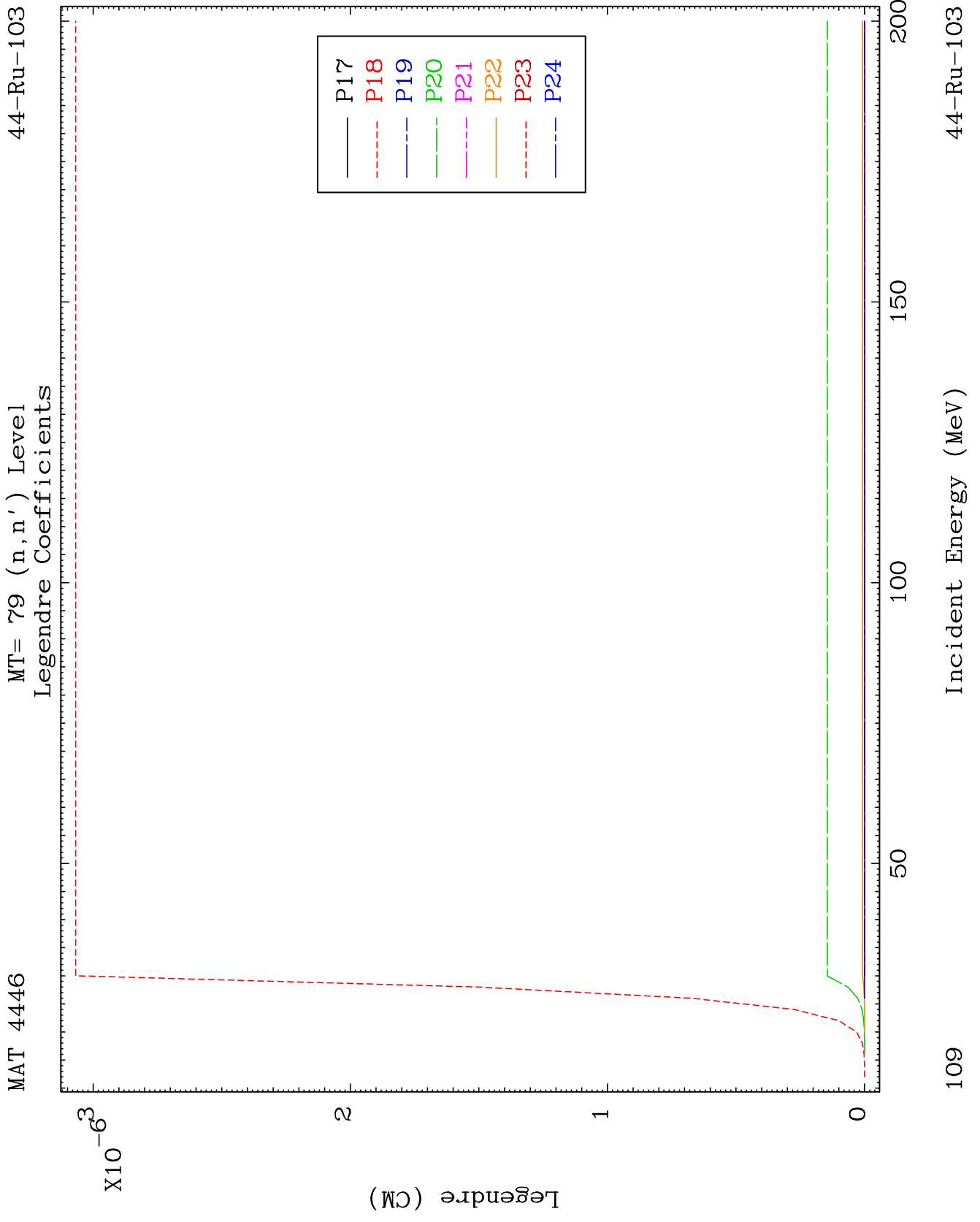
44-Ru-103

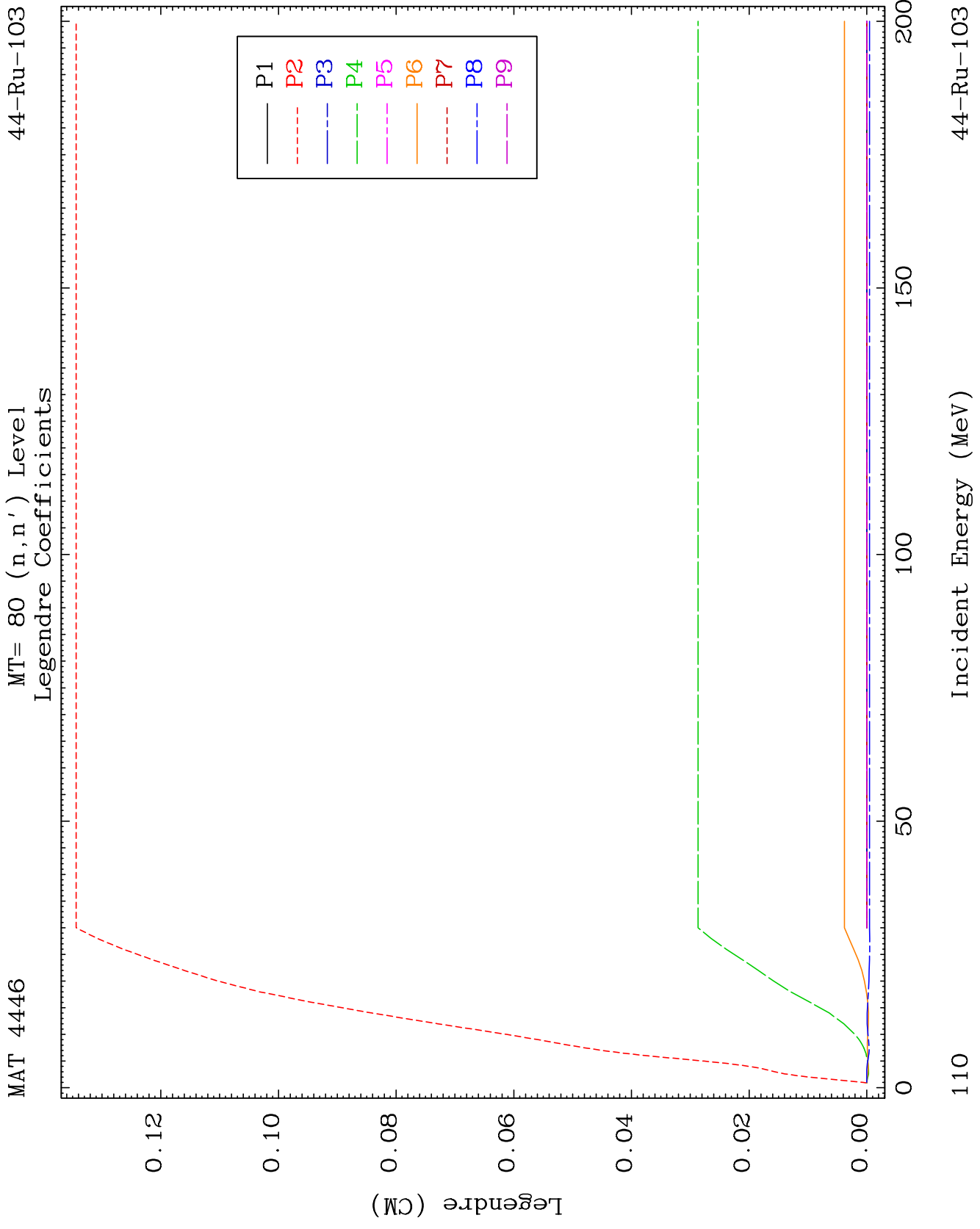


108

Incident Energy (MeV)

44-Ru-103

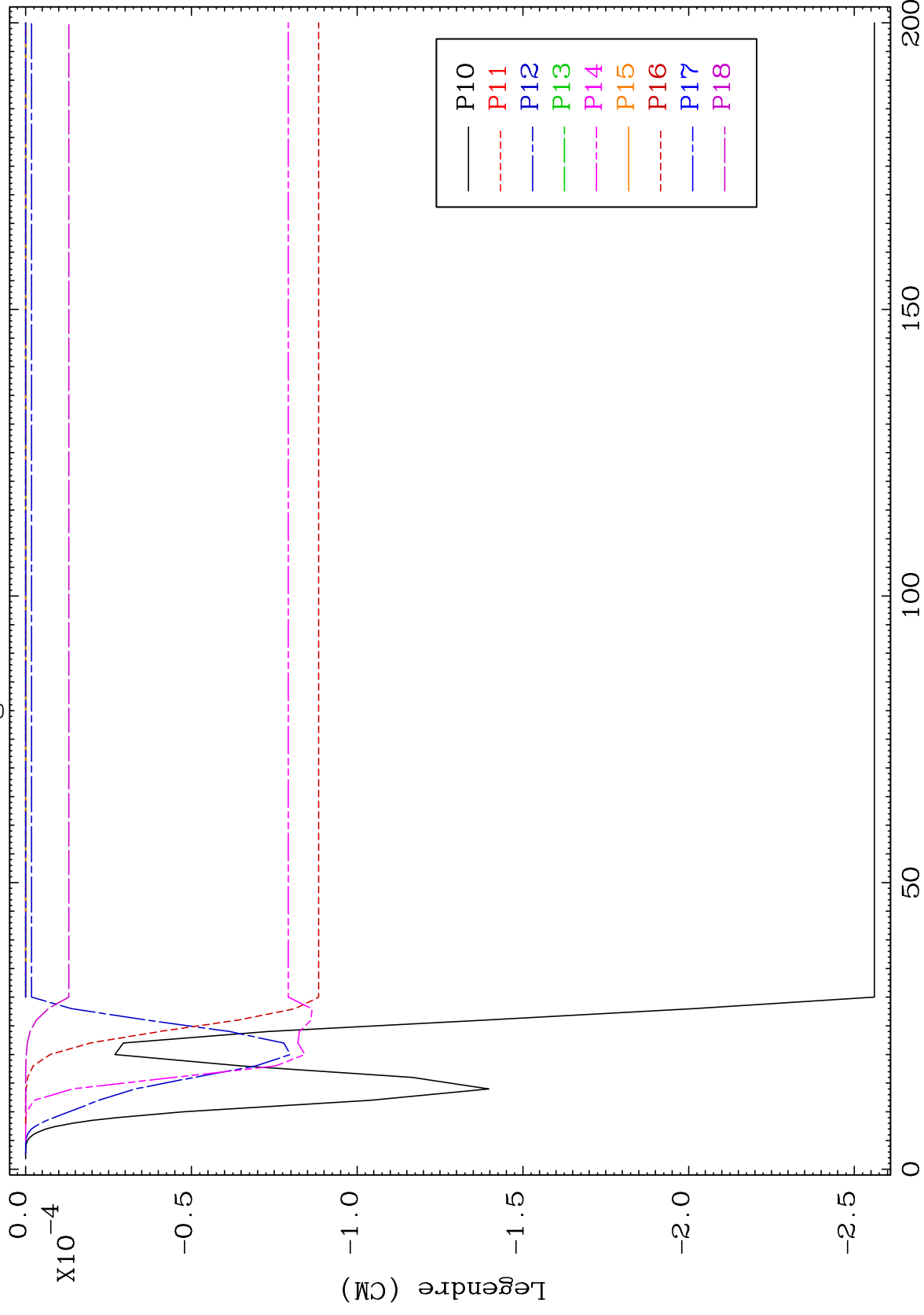




MAT 4446

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

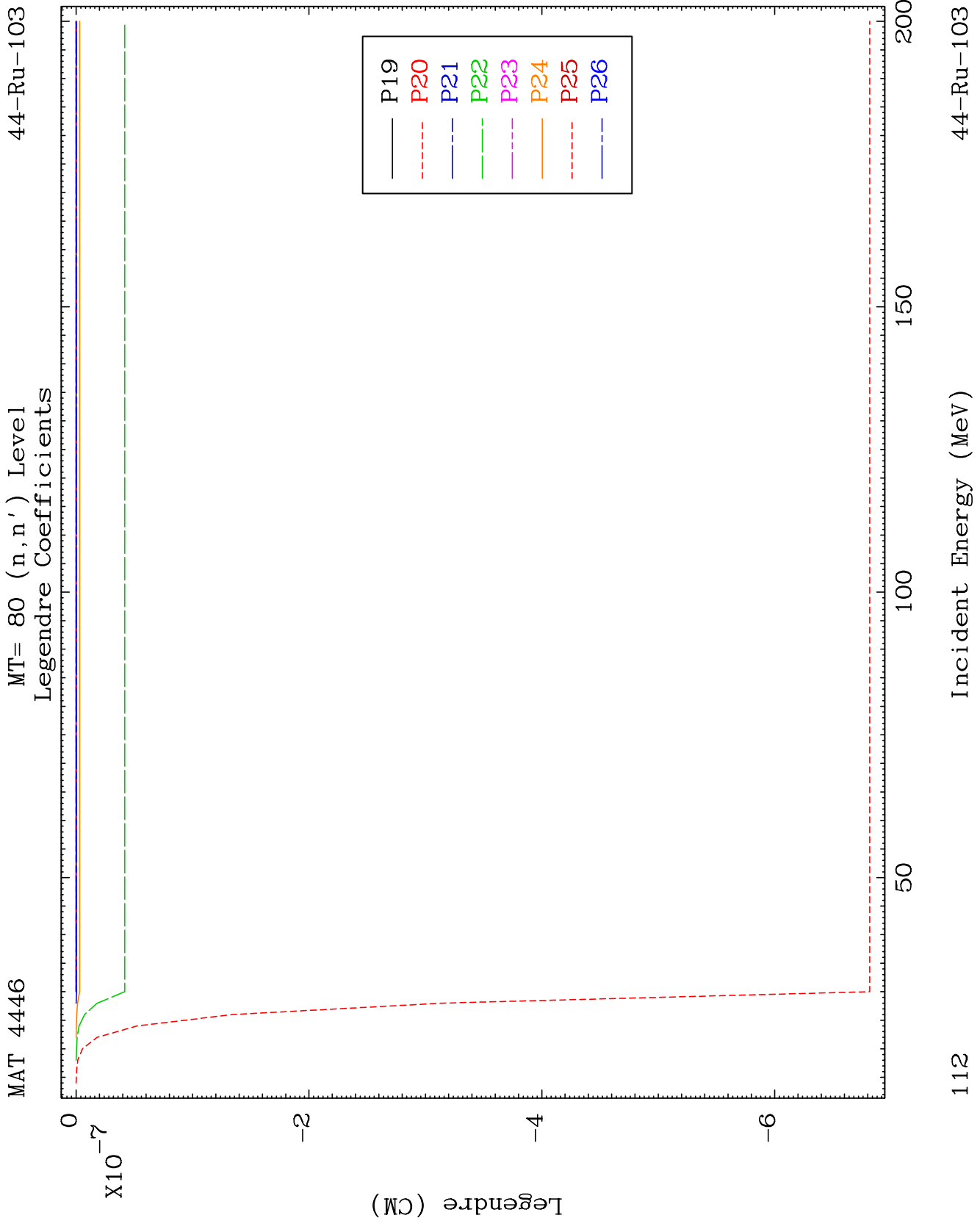
44-Ru-103



111

Incident Energy (MeV)

44-Ru-103

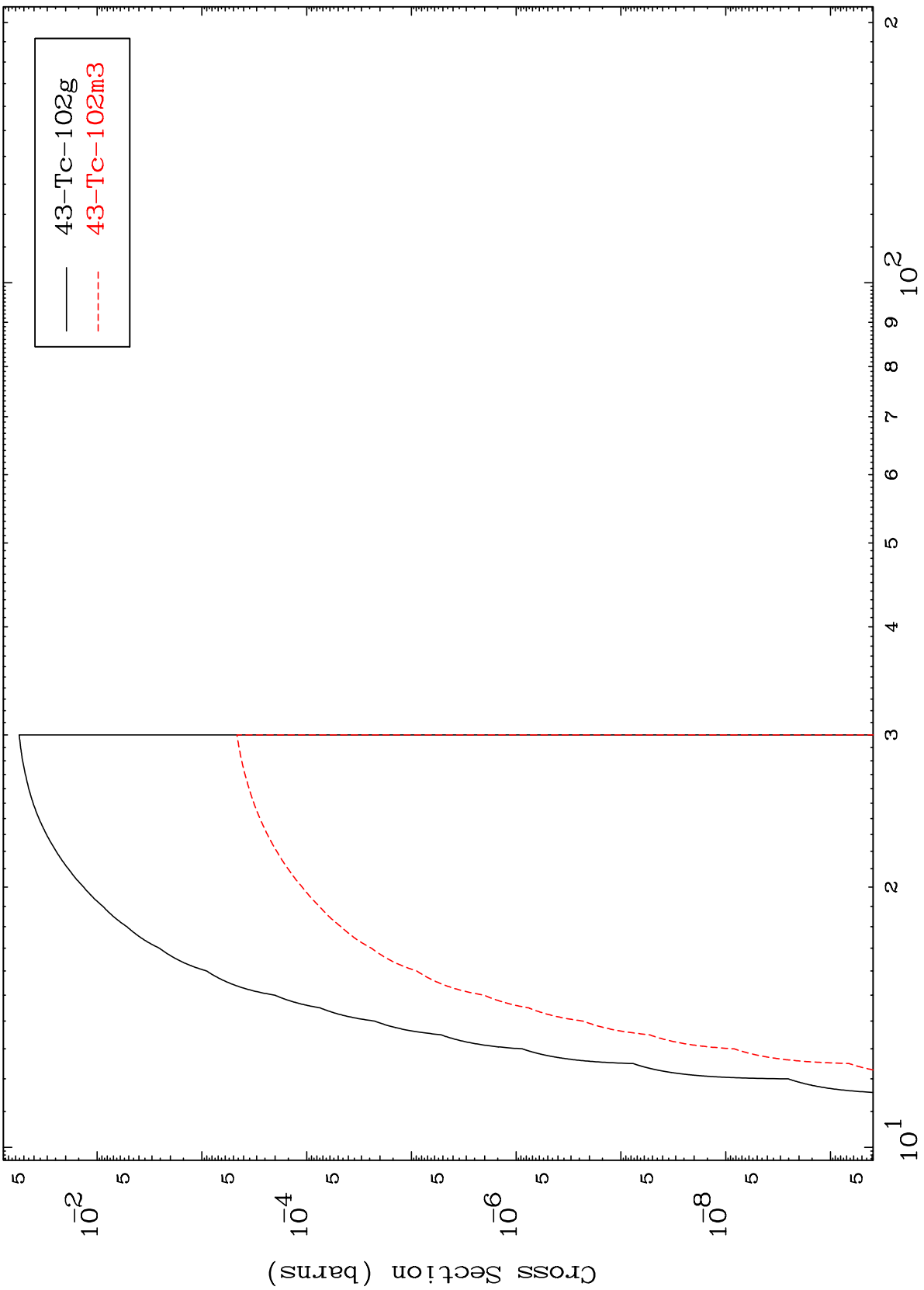


MAT 4446

(n,n') p

44-Ru-103

Radionuclide Production Cross Section



113

Incident Energy (MeV)

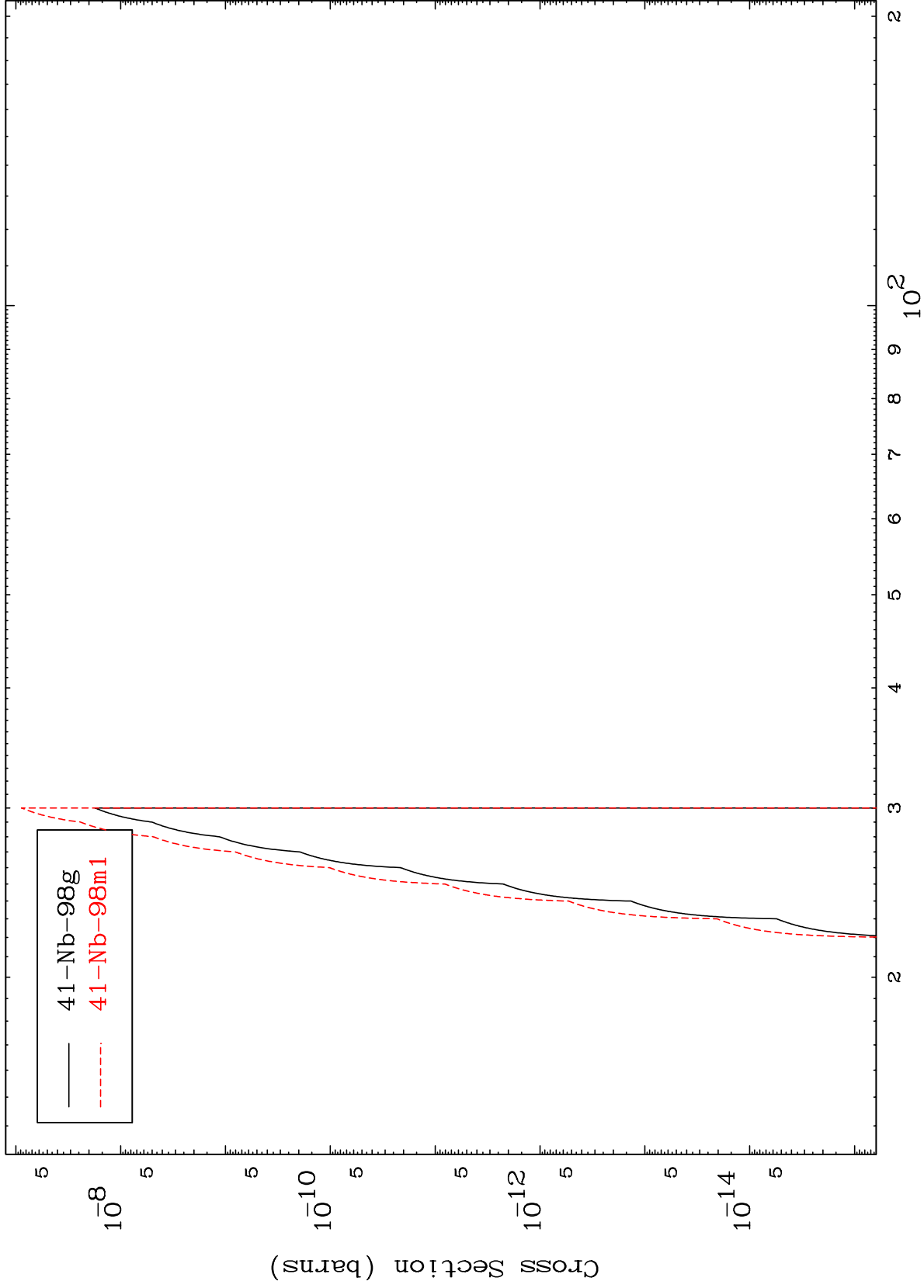
44-Ru-103

MAT 4446

(n,n') p α

44-Ru-103

Radionuclide Production Cross Section



114

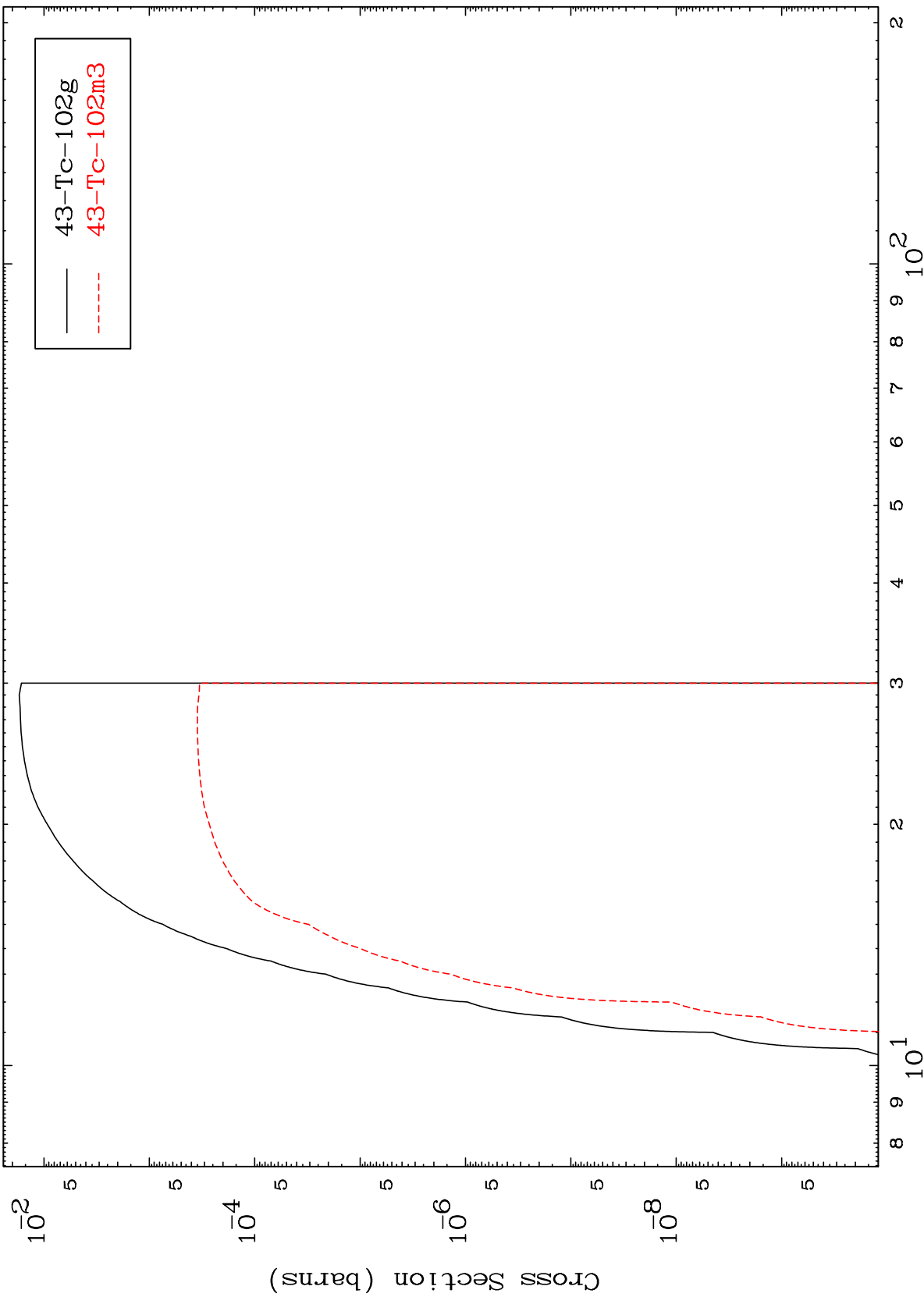
Incident Energy (MeV)

44-Ru-103

MAT 4446

44-Ru-103

(n,d)
Radionuclide Production Cross Section



115

Incident Energy (MeV)

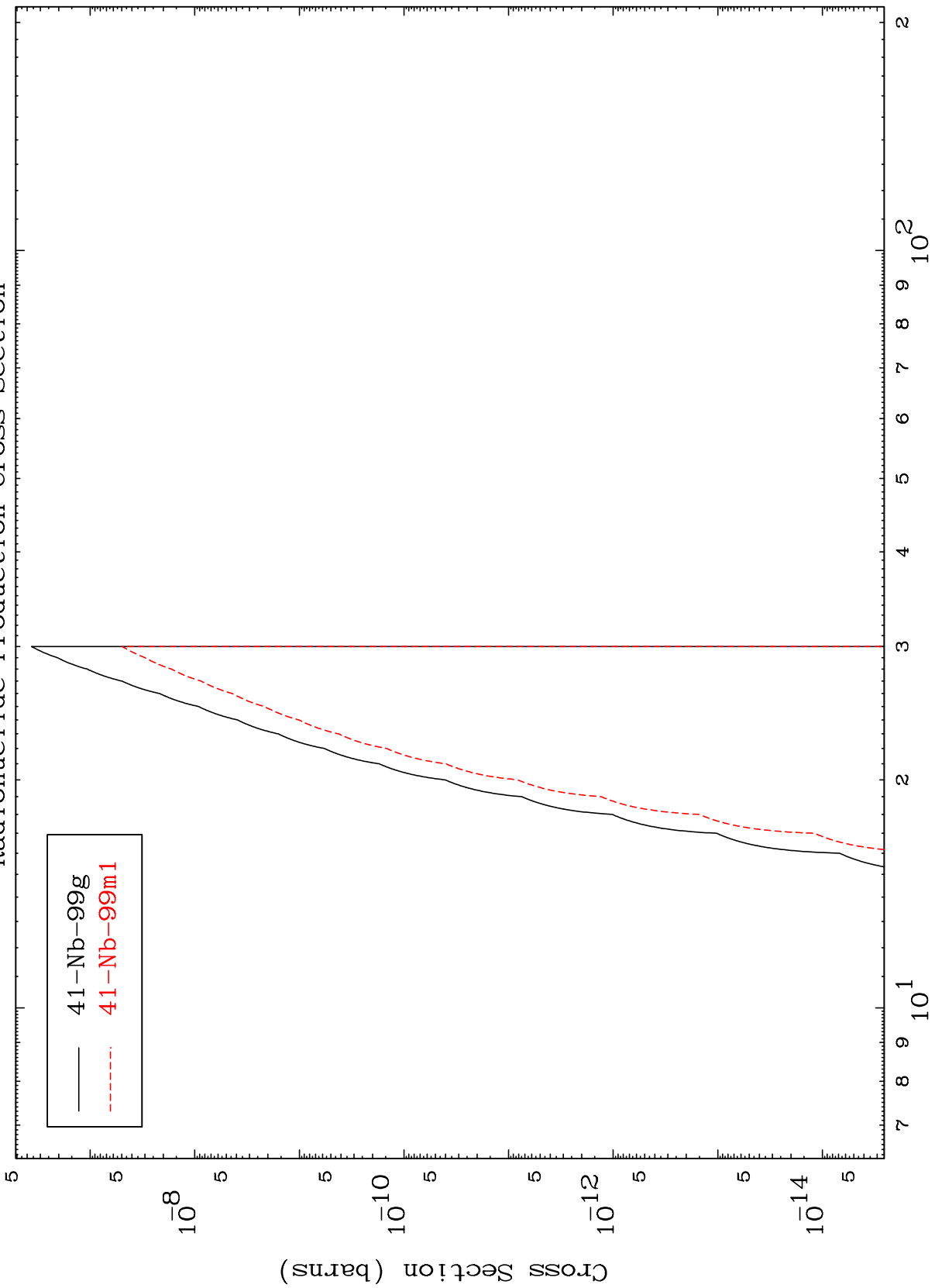
44-Ru-103

MAT 4446

(n,p) α

44-Ru-103

Radionuclide Production Cross Section



116

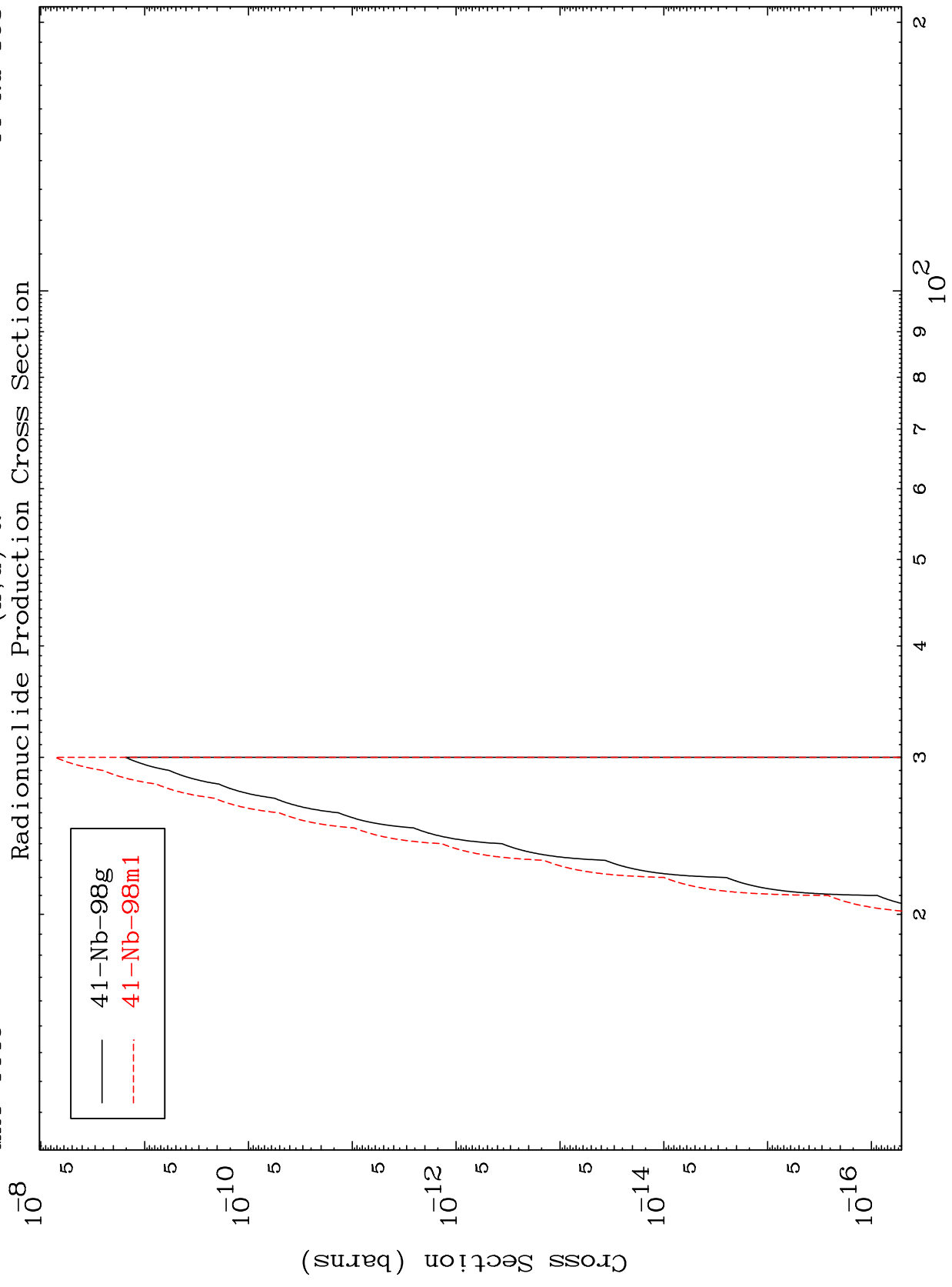
Incident Energy (MeV)

44-Ru-103

MAT 4446

(n,d) α

44-Ru-103



117

44-Ru-103