

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

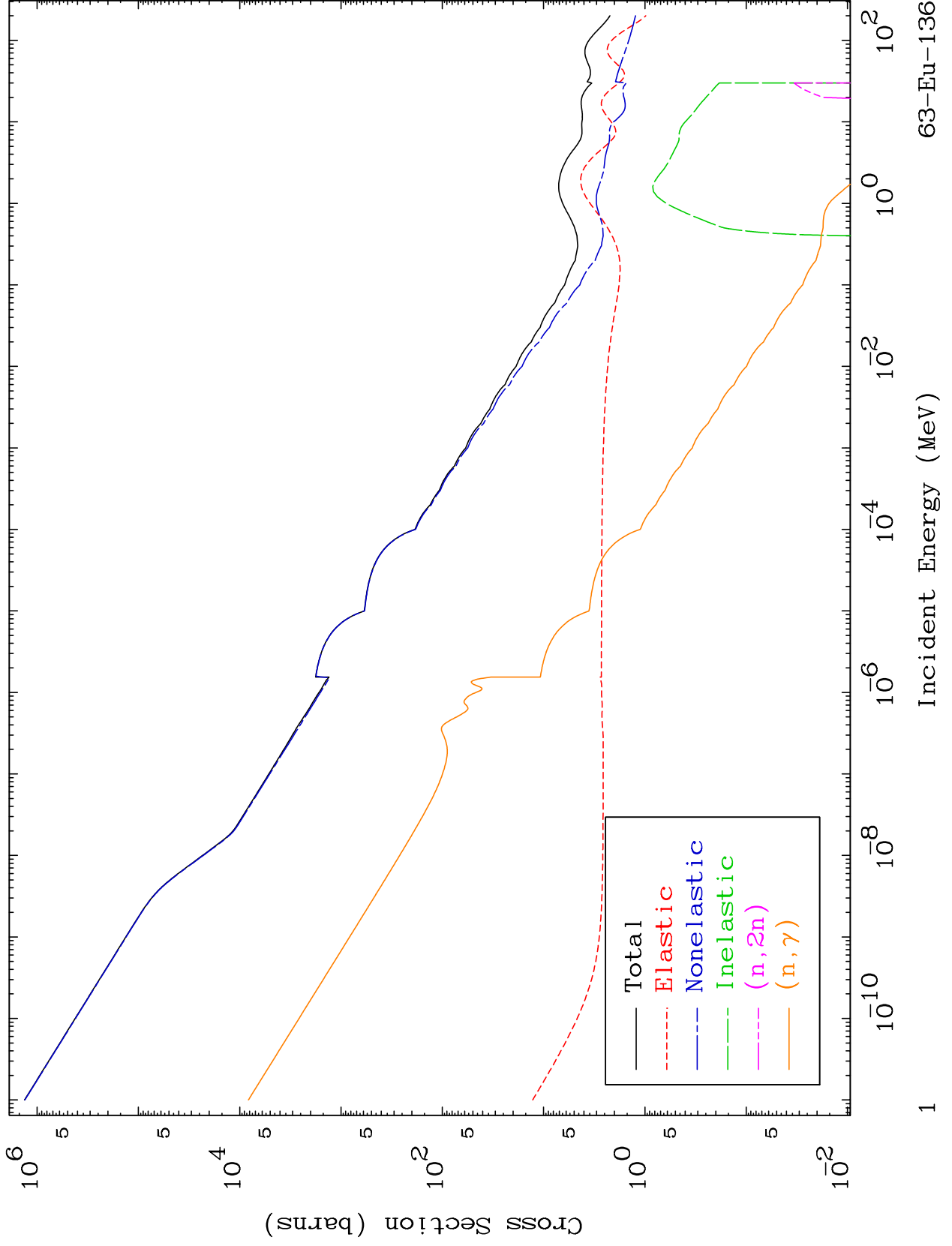
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6280

Neutron Major
293 Kelvin Cross Sections

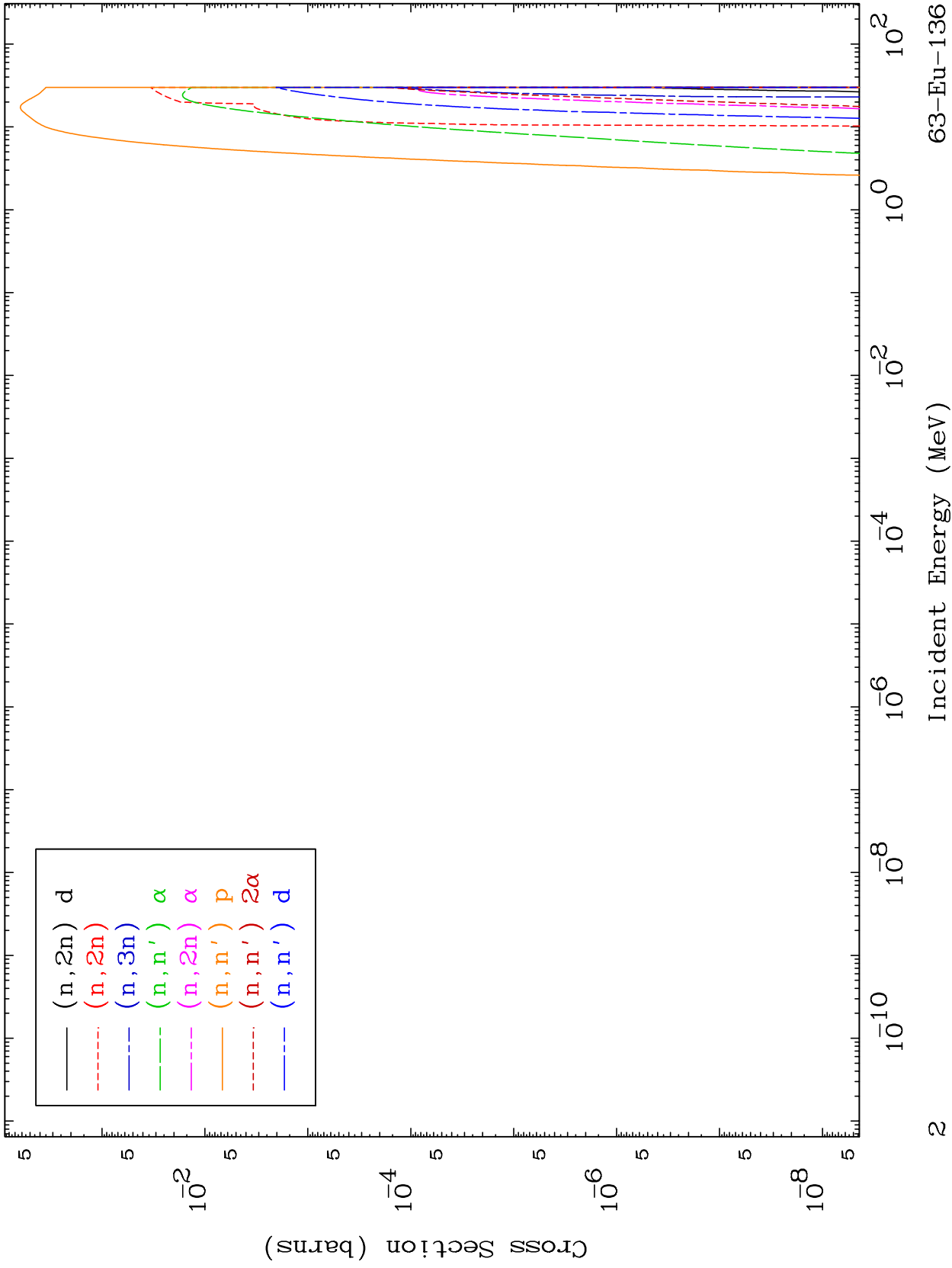
63-Eu-136



MAT 6280

Neutron Absorption
293 Kelvin Cross Sections

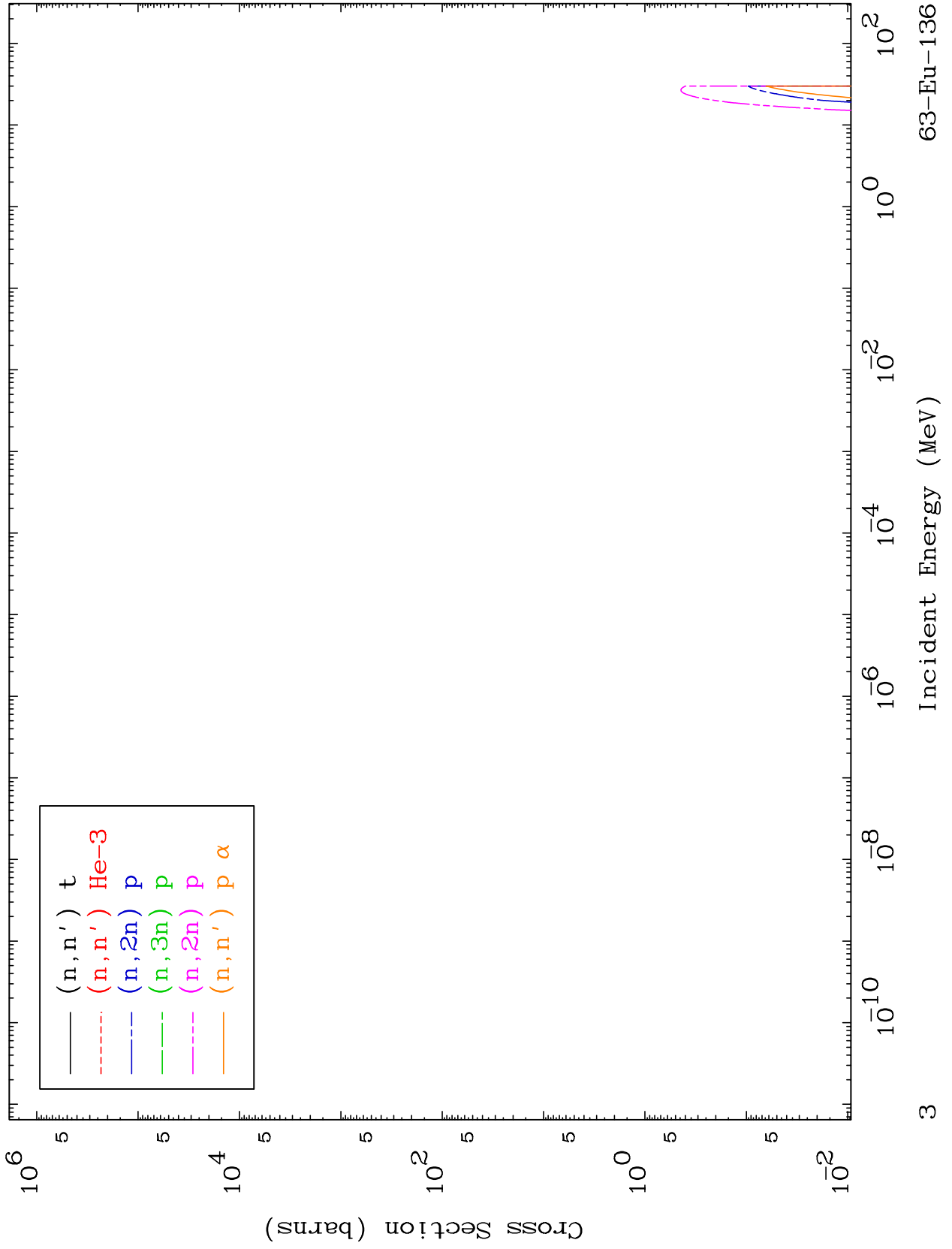
63-Eu-136

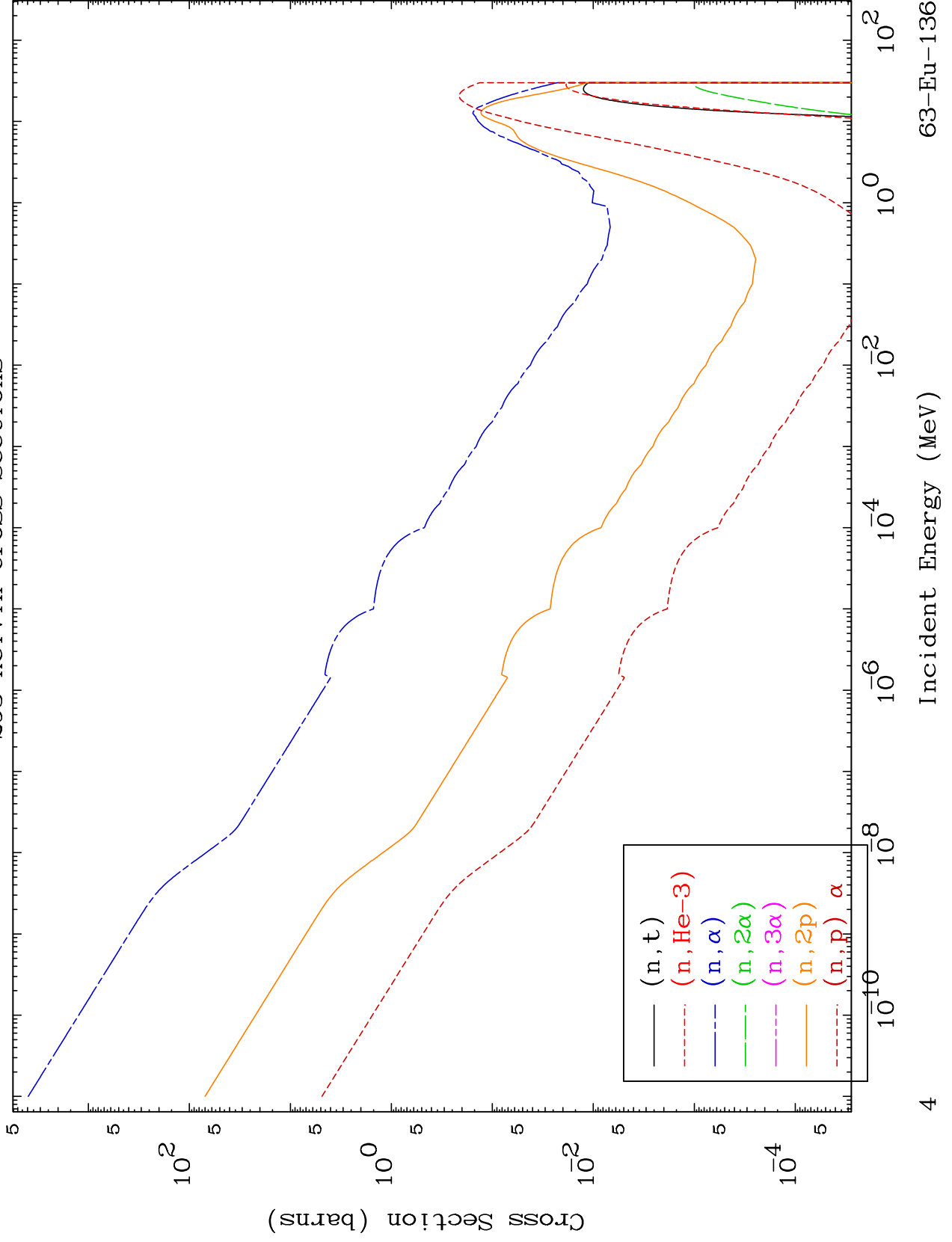


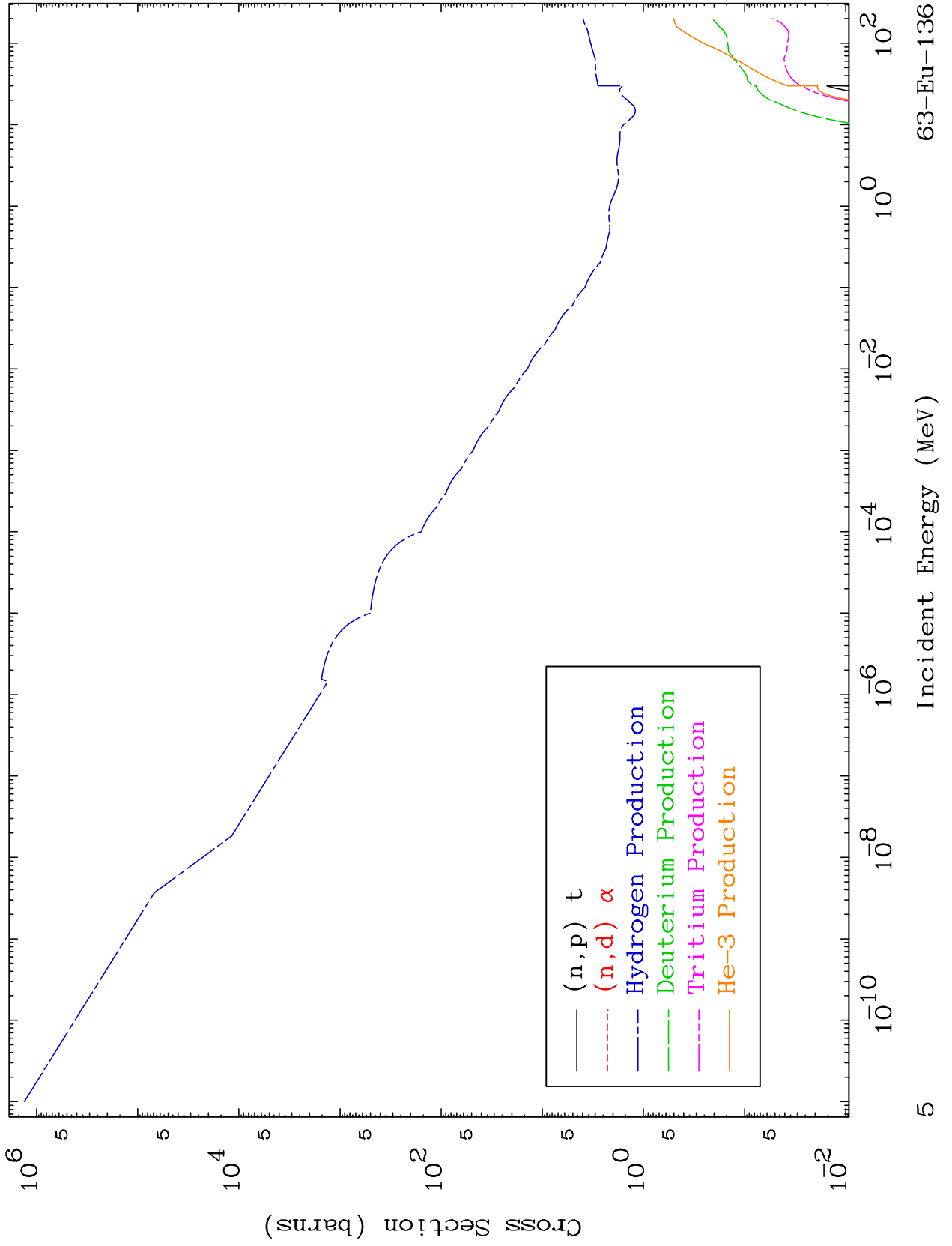
MAT 6280

Neutron Absorption
293 Kelvin Cross Sections

63-Eu-136



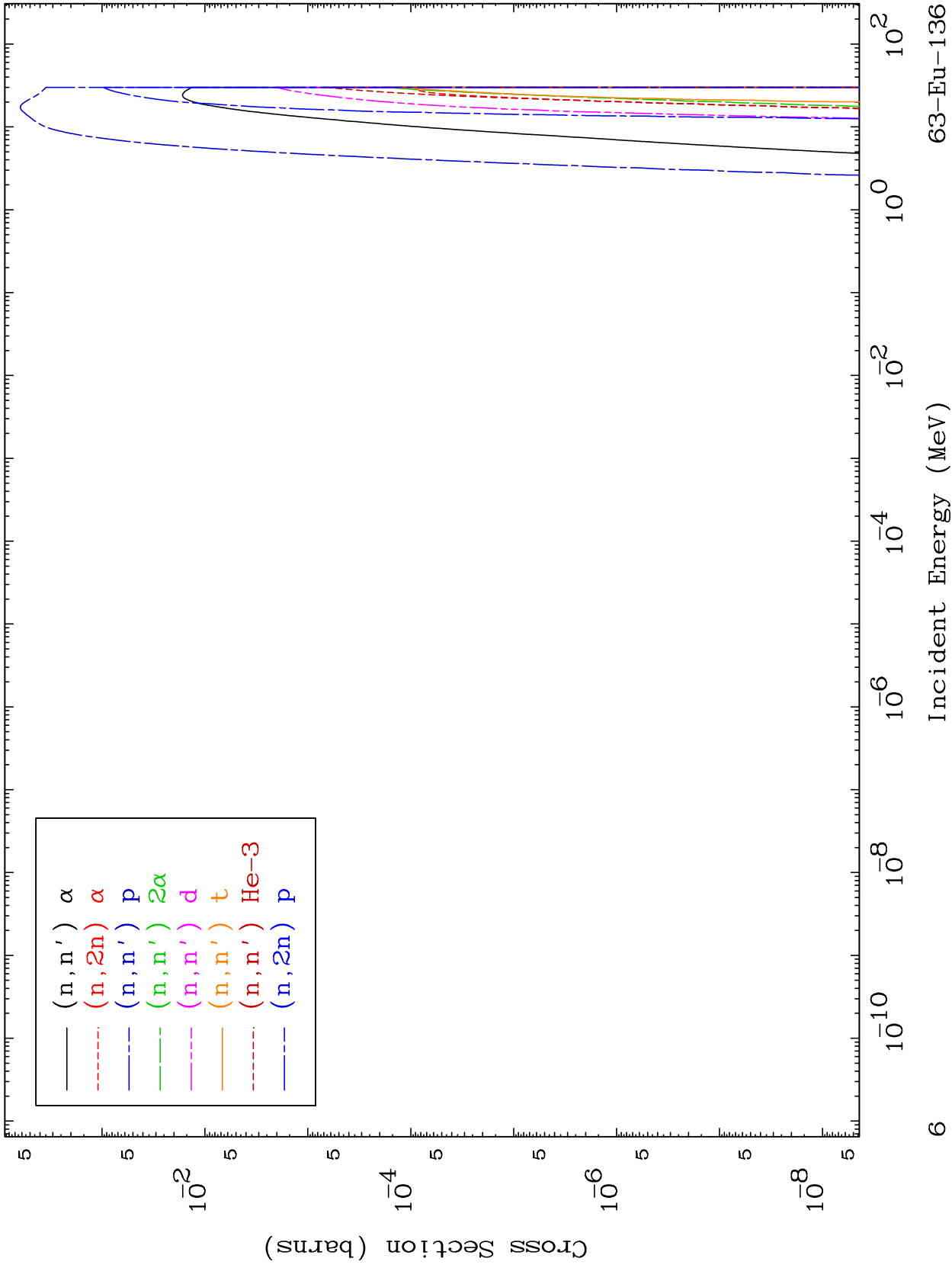




MAT 6280

Charged Particle
293 Kelvin Cross Sections

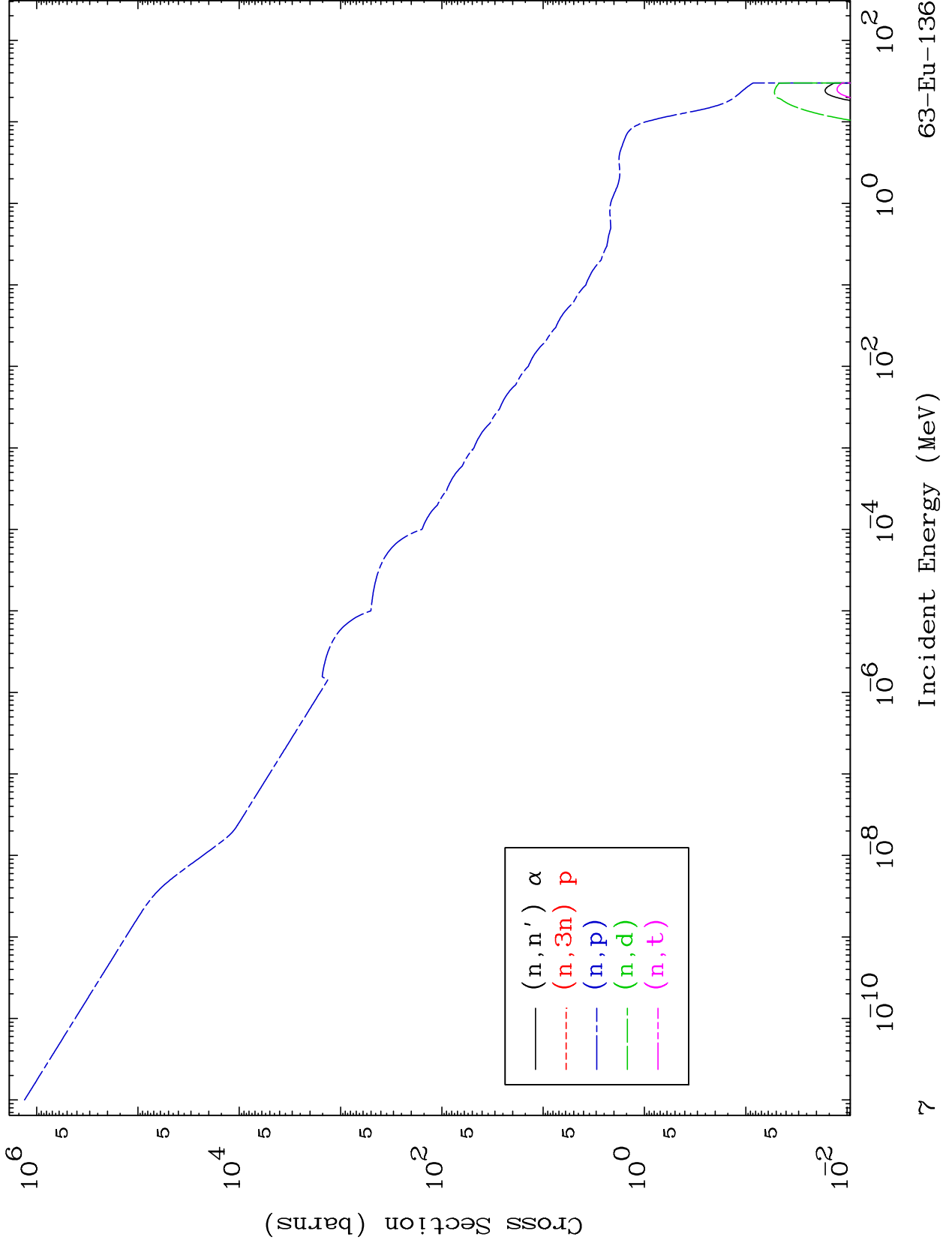
63-Eu-136

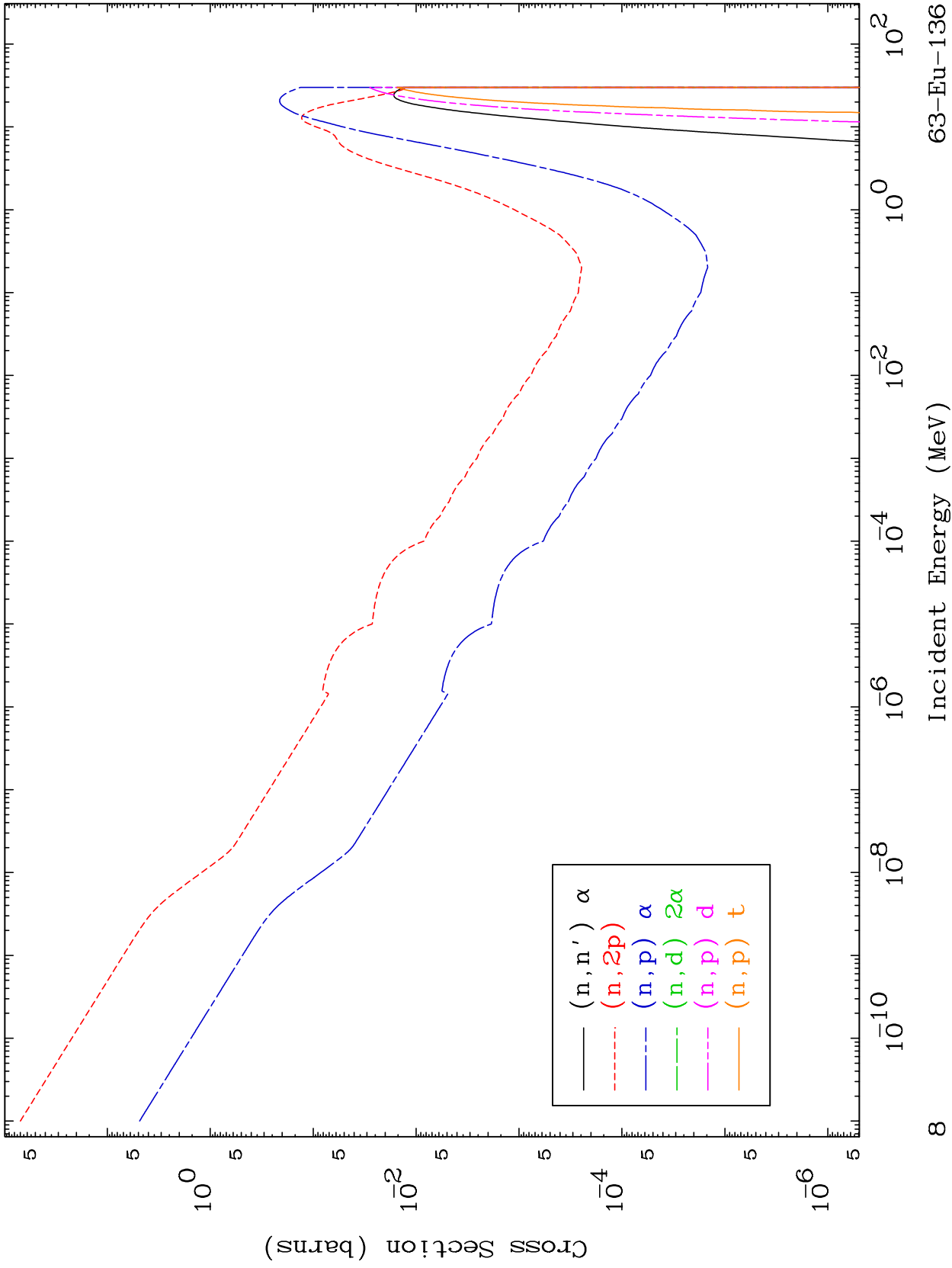


MAT 6280

Charged Particle
293 Kelvin Cross Sections

63-Eu-136

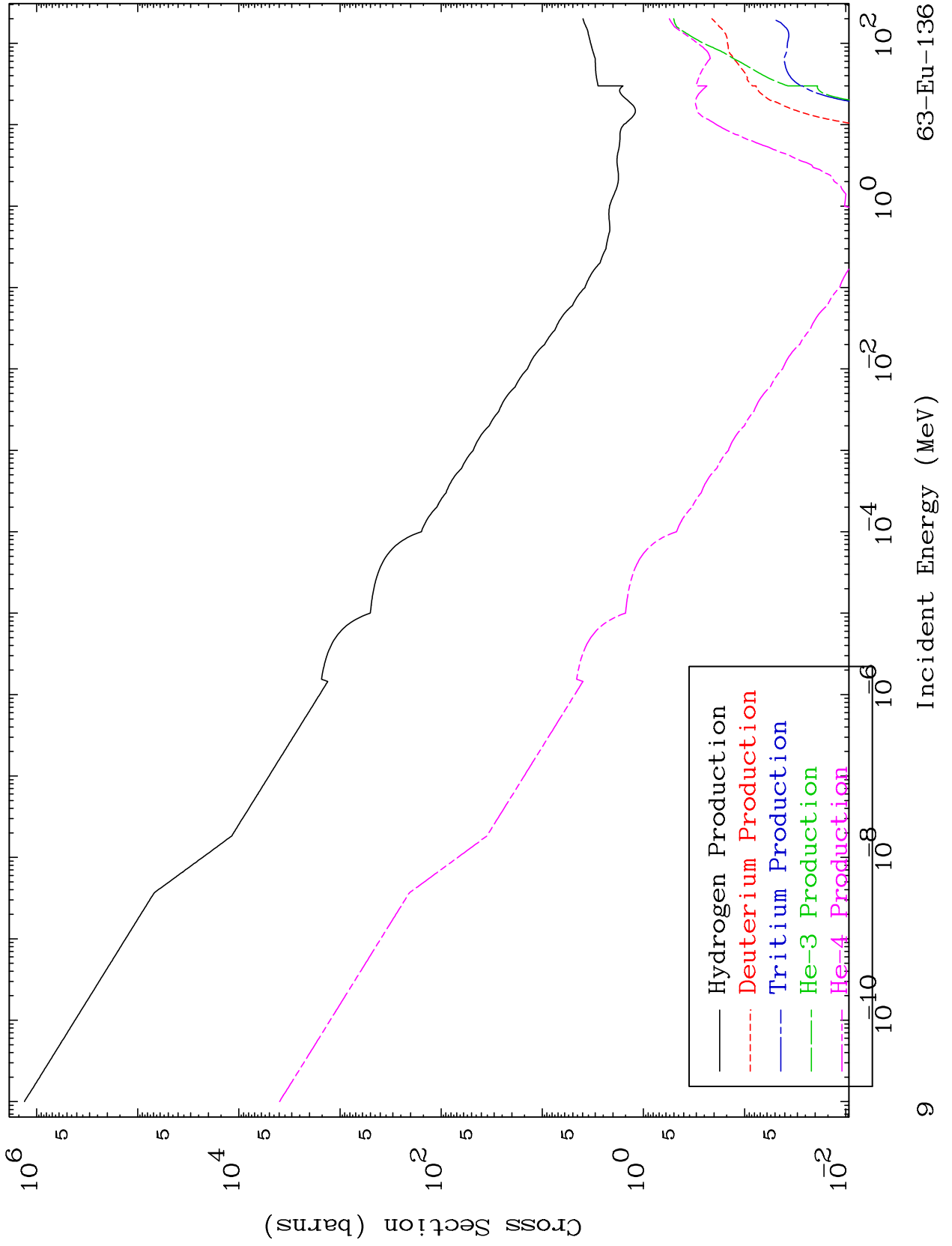




MAT 6280

Particle Production
293 Kelvin Cross Sections

63-Eu-136

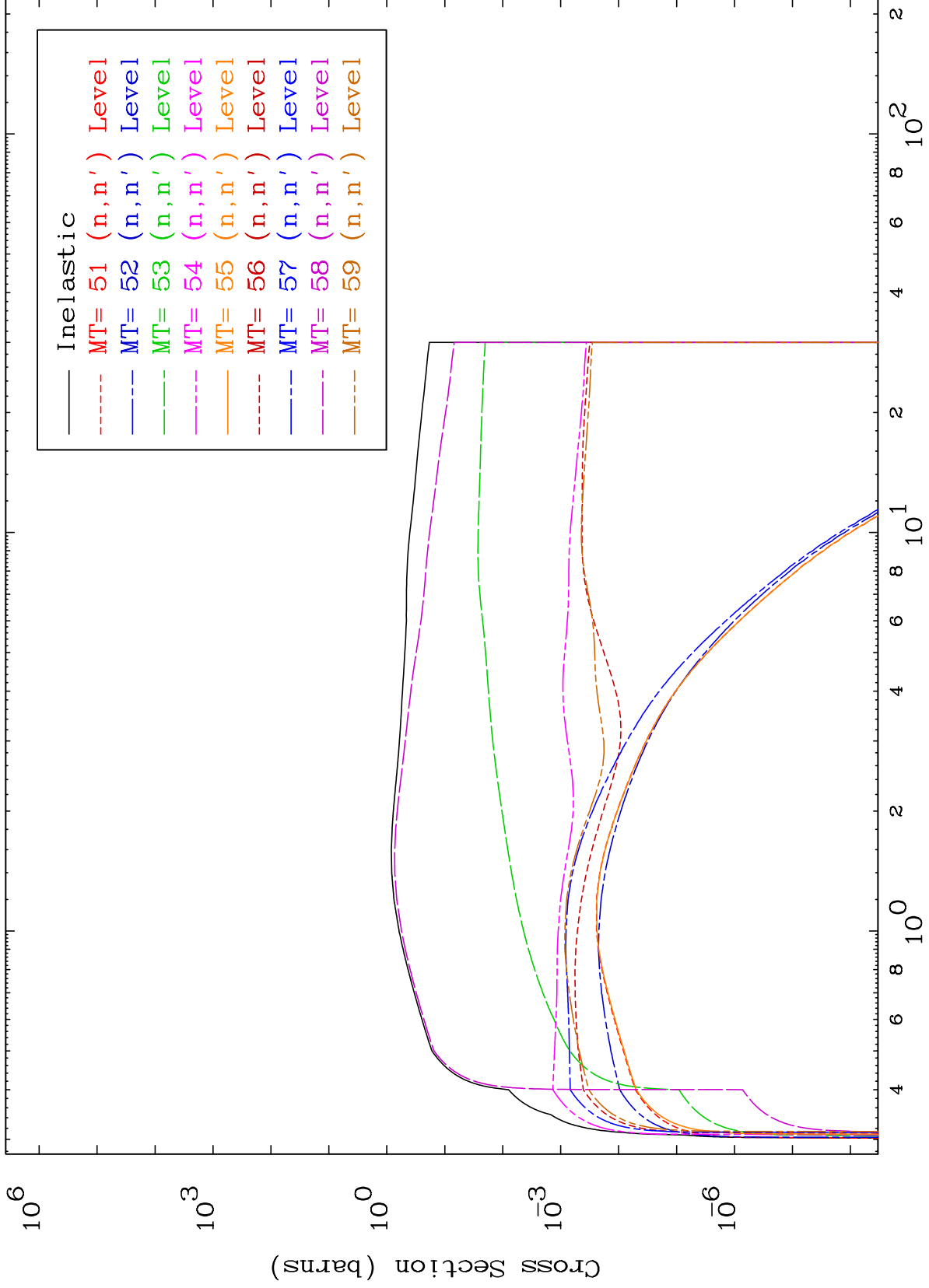


MAT 6280

(n,n') Levels

63-Eu-136

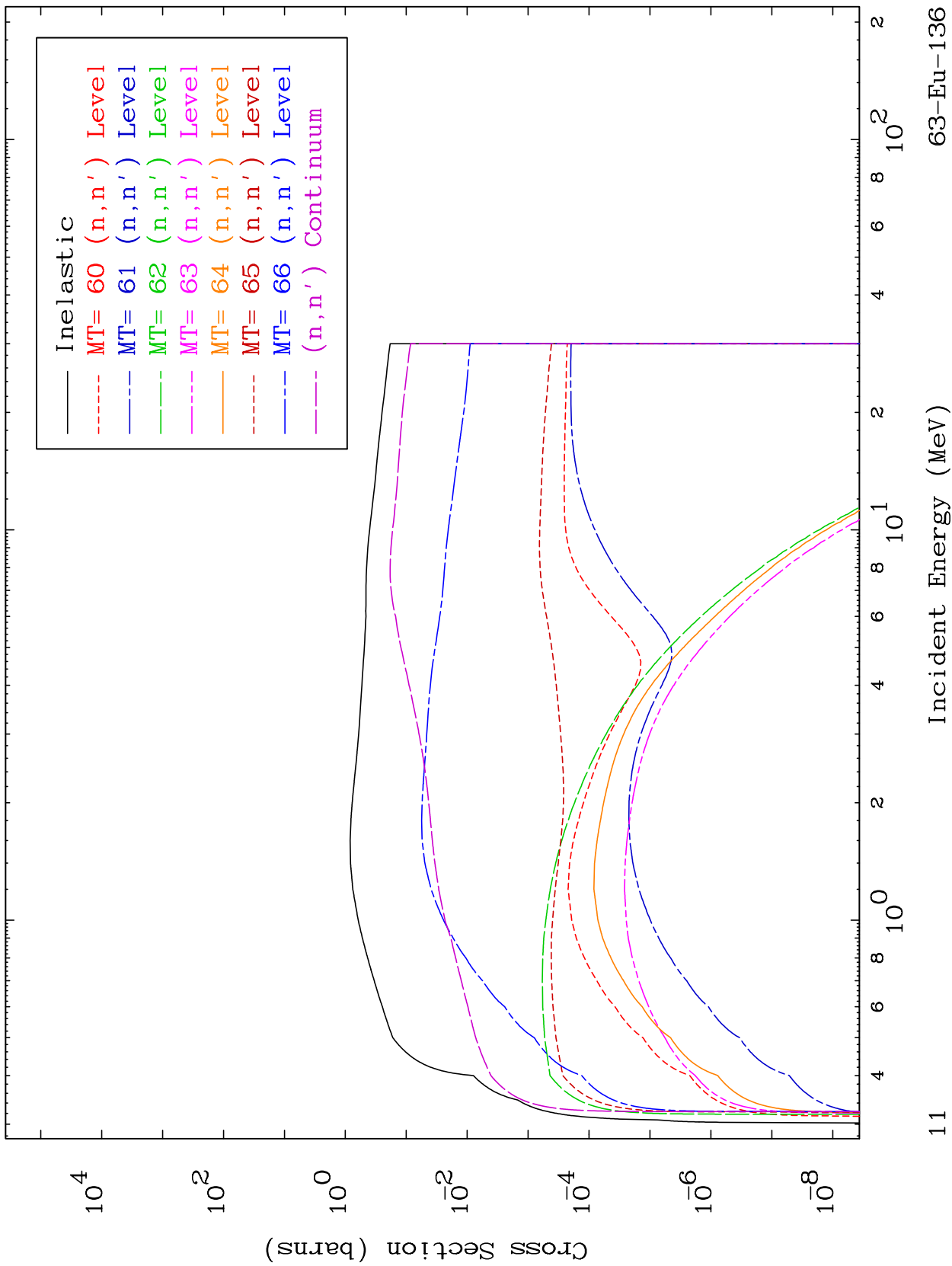
293 Kelvin Cross Sections



10

Incident Energy (MeV)

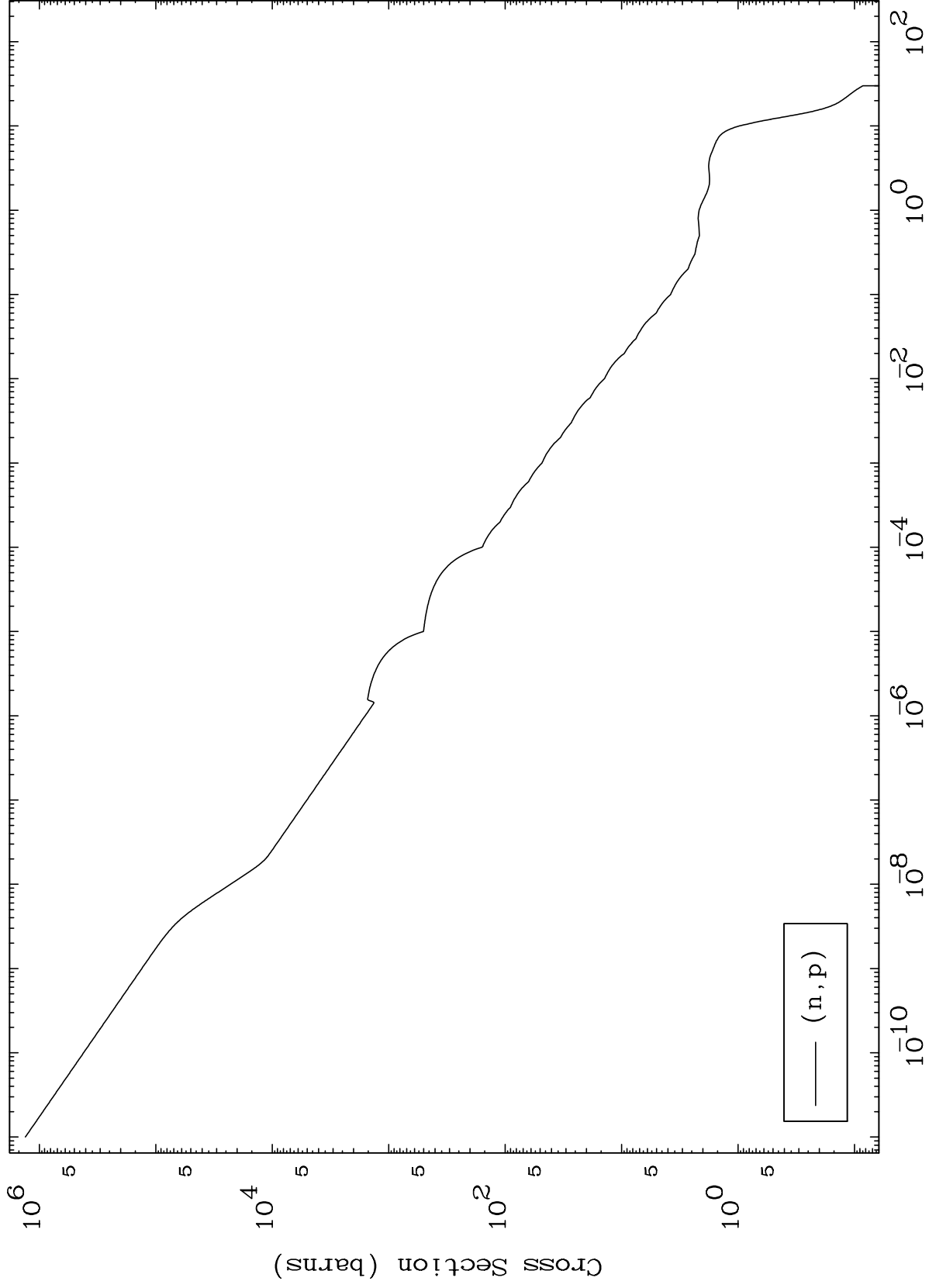
63-Eu-136



MAT 6280

(n,p) Levels
293 Kelvin Cross Sections

63-Eu-136



12

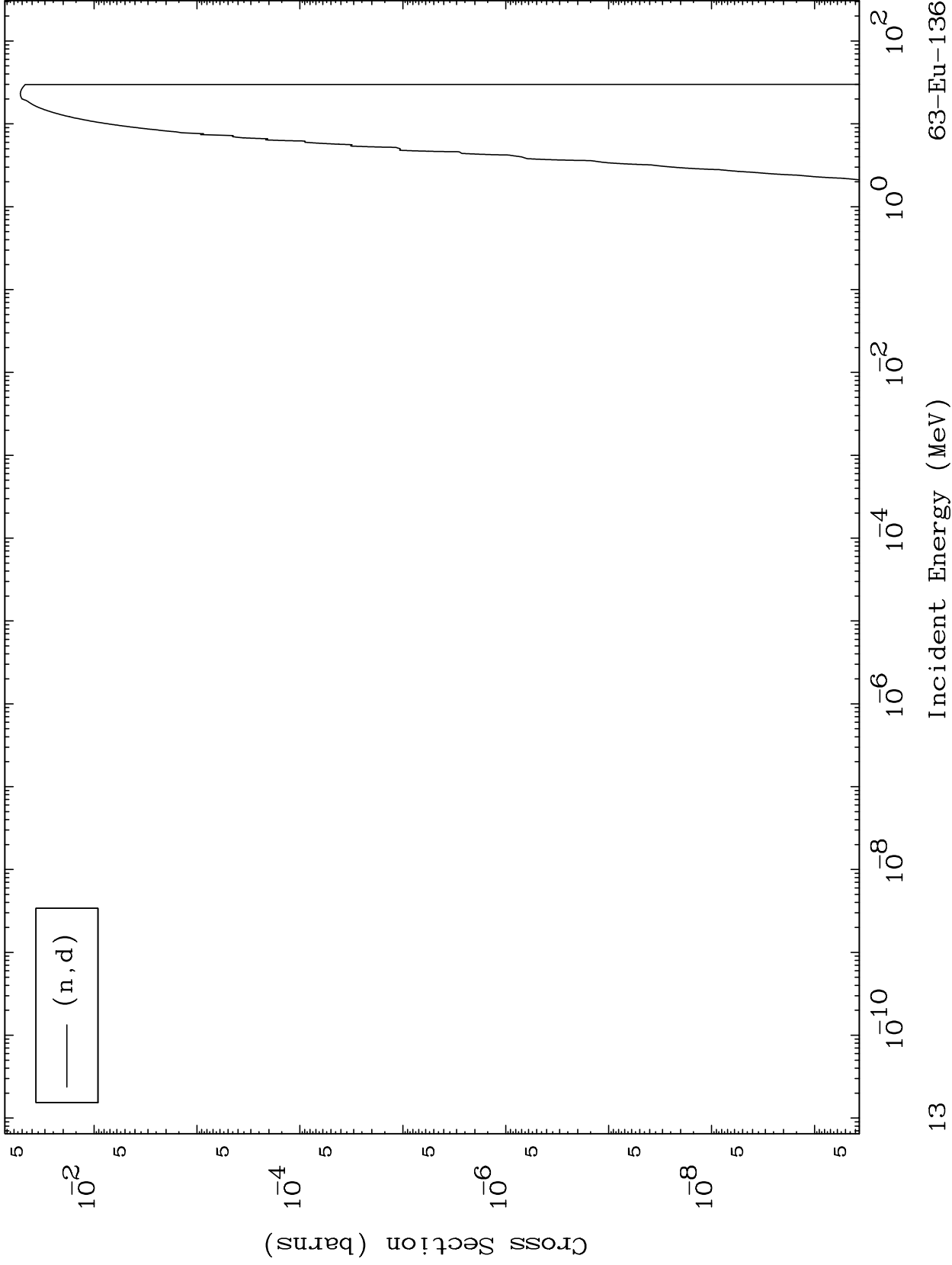
Incident Energy (MeV)

63-Eu-136

MAT 6280

(n,d) Levels
293 Kelvin Cross Sections

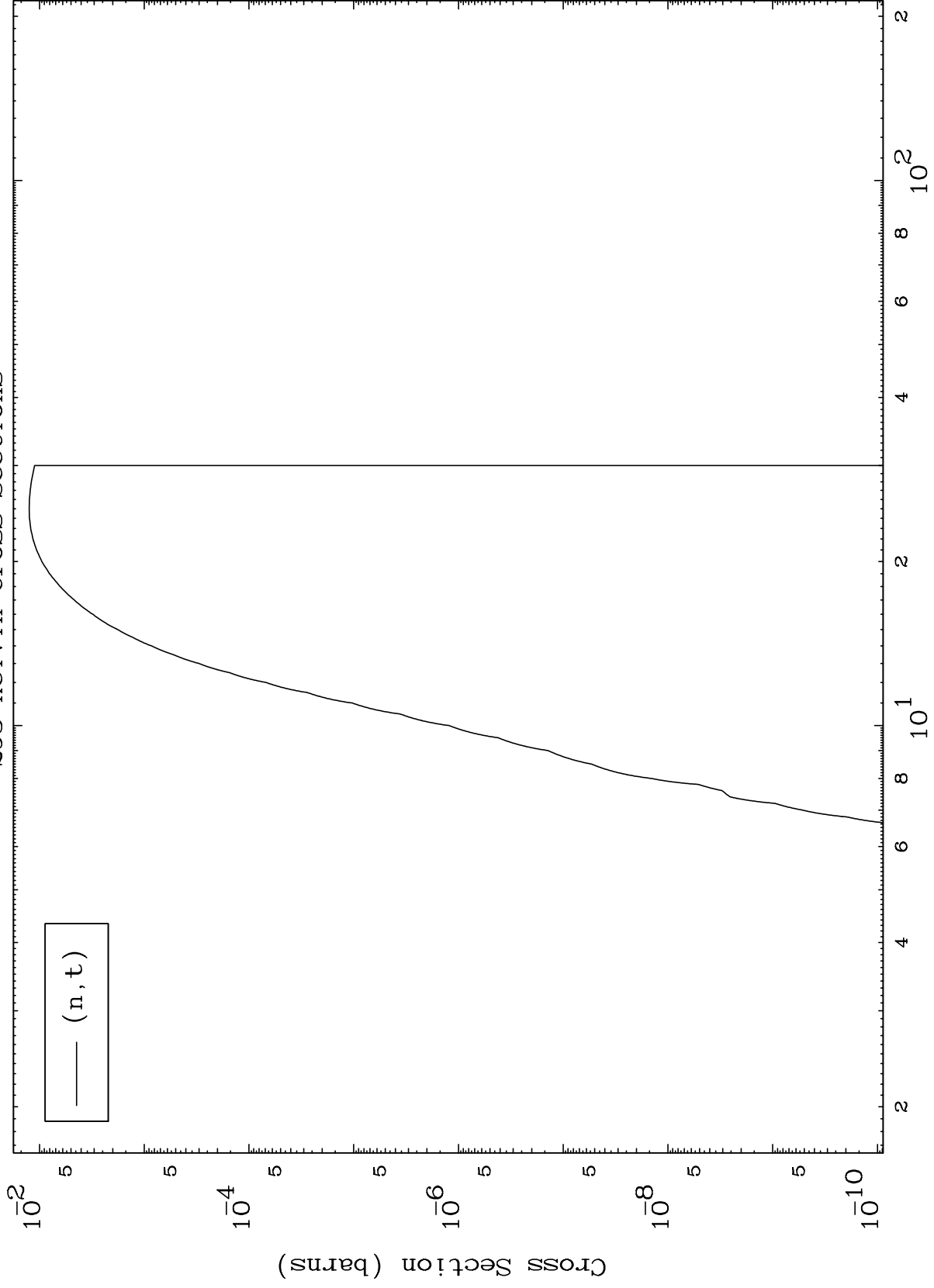
63-Eu-136



MAT 6280

(n,t) Levels
293 Kelvin Cross Sections

63-Eu-136



14

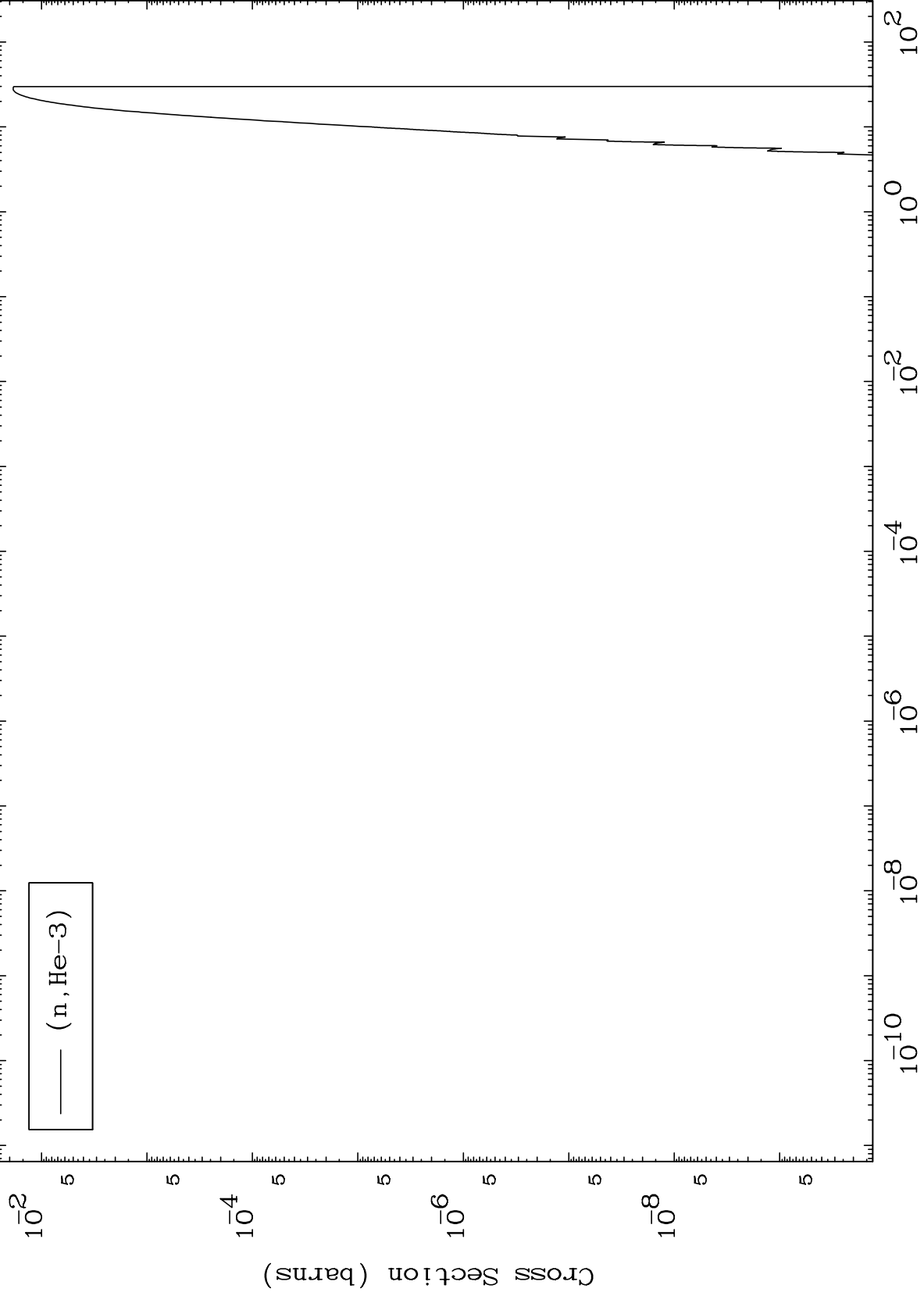
Incident Energy (MeV)

63-Eu-136

MAT 6280

(n,He3) Levels
293 Kelvin Cross Sections

63-Eu-136

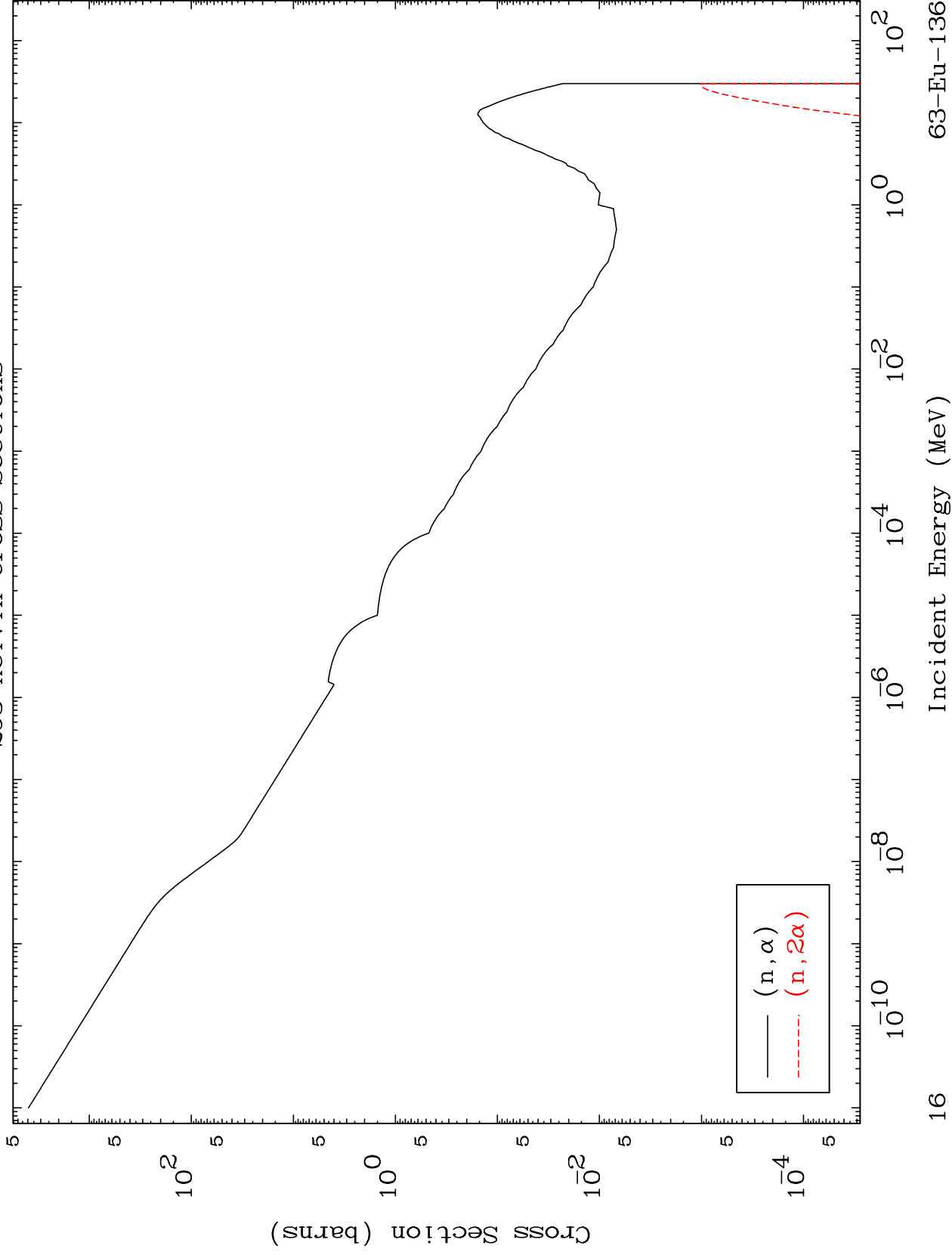


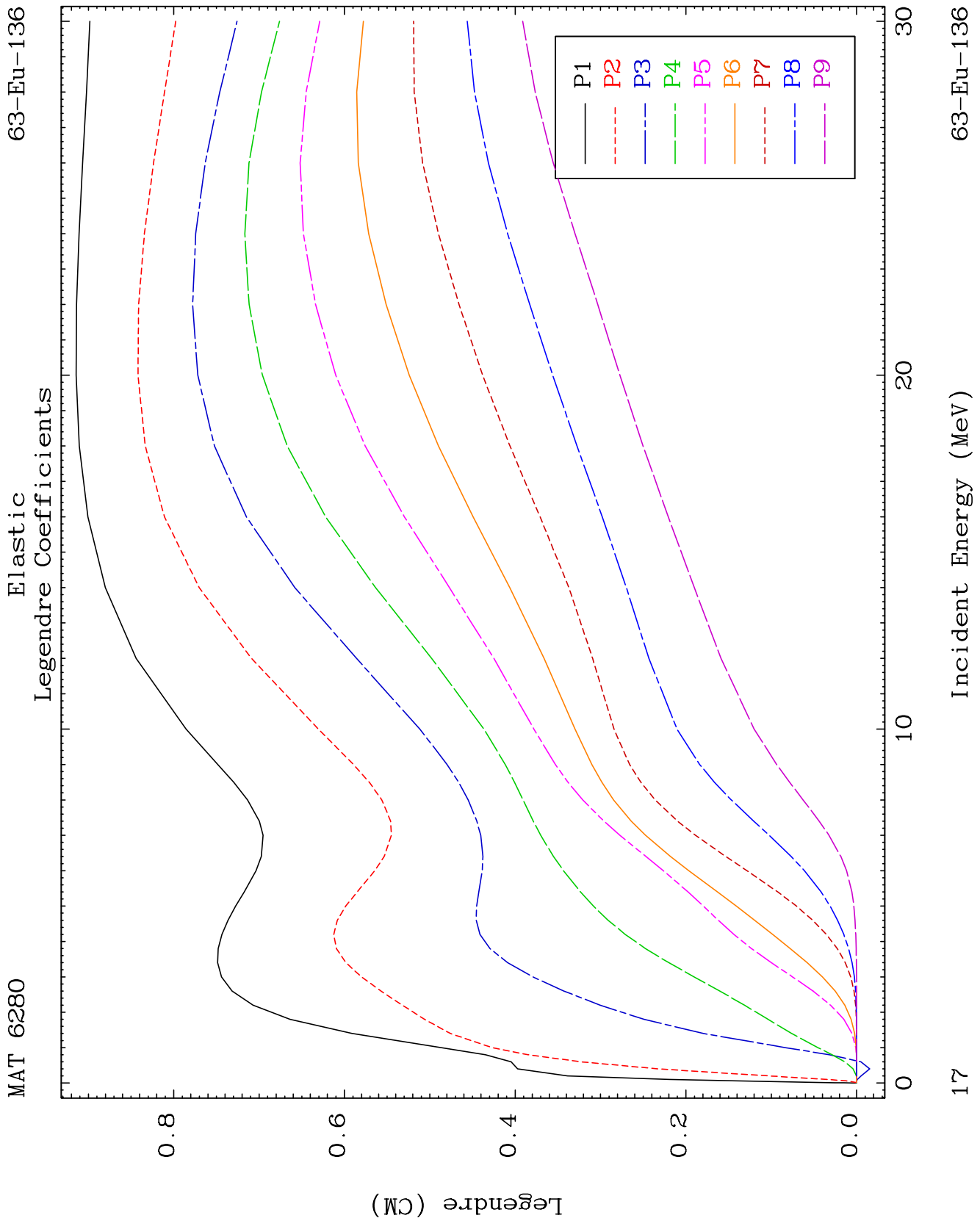
(n, He-3)

MAT 6280

(n,α) Levels
293 Kelvin Cross Sections

63-Eu-136

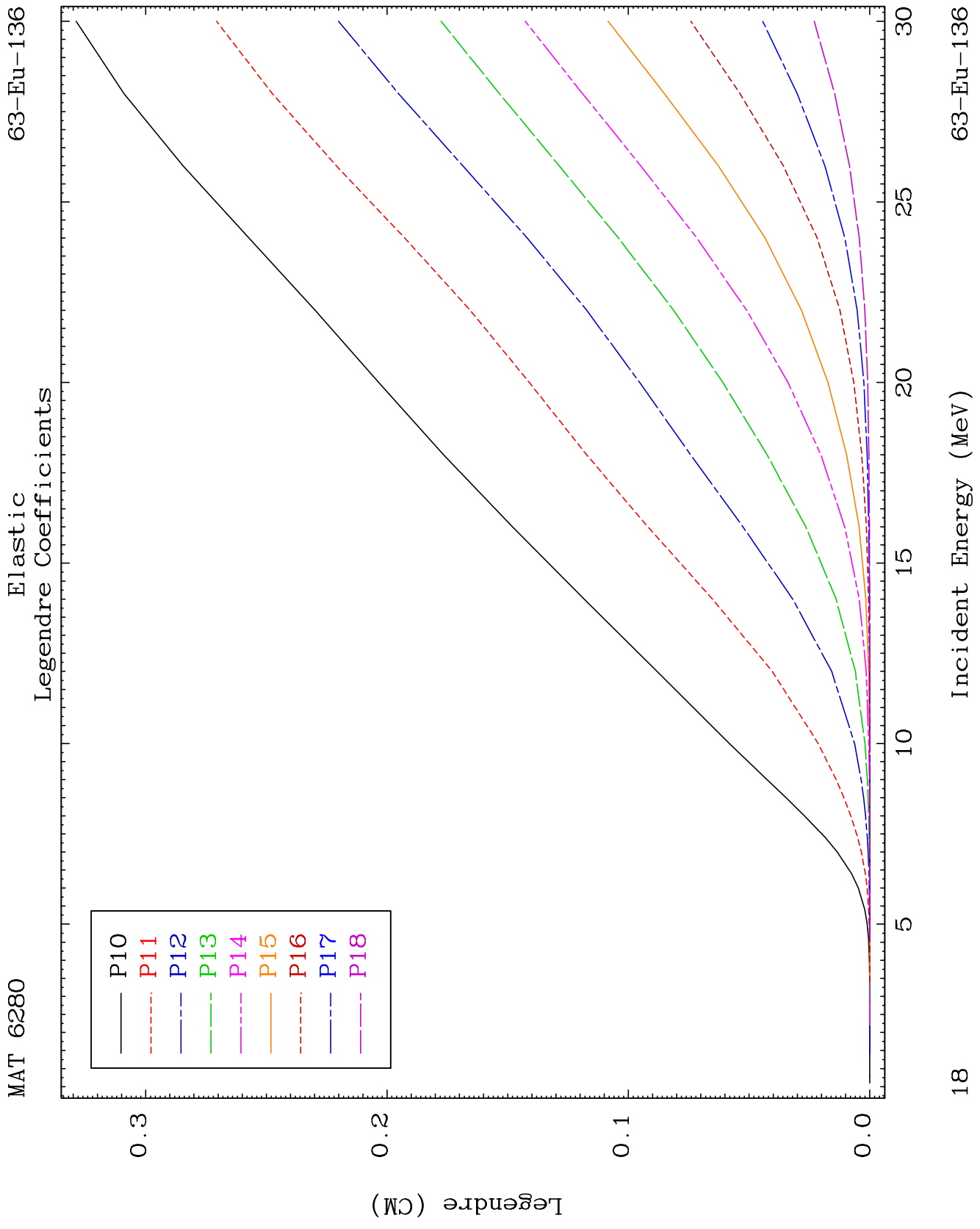




63-Eu-136

Incident Energy (MeV)

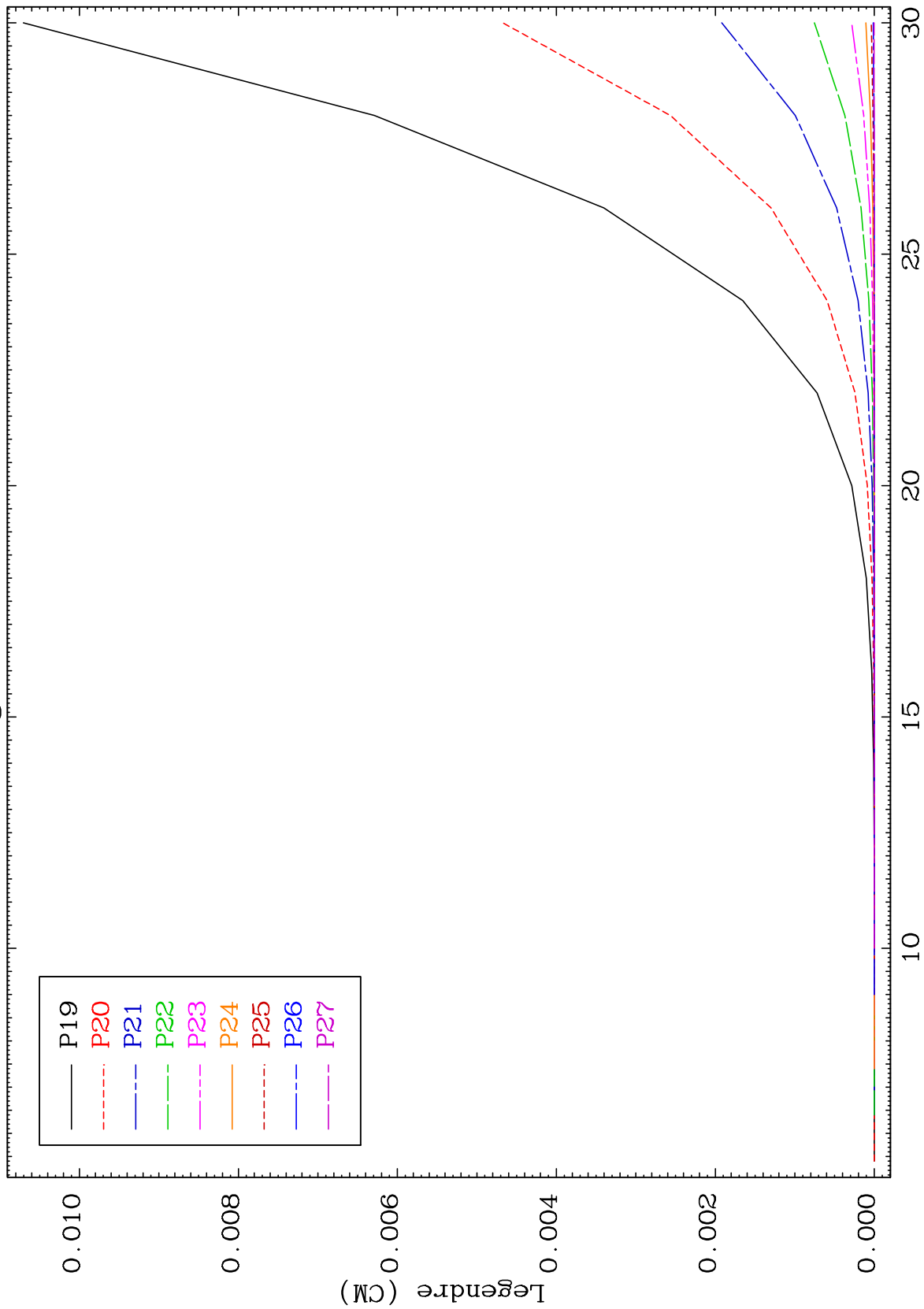
17



MAT 6280

Elastic Legendre Coefficients

63-Eu-136



19

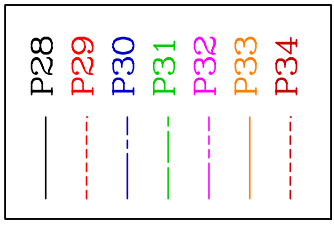
Incident Energy (MeV)

63-Eu-136

MAT 6280

Elastic Legendre Coefficients

63-Eu-136



$\times 10^{-6}$

Legendre (CM)

1.0
0.8
0.6
0.4
0.2
0.0

10

15

20

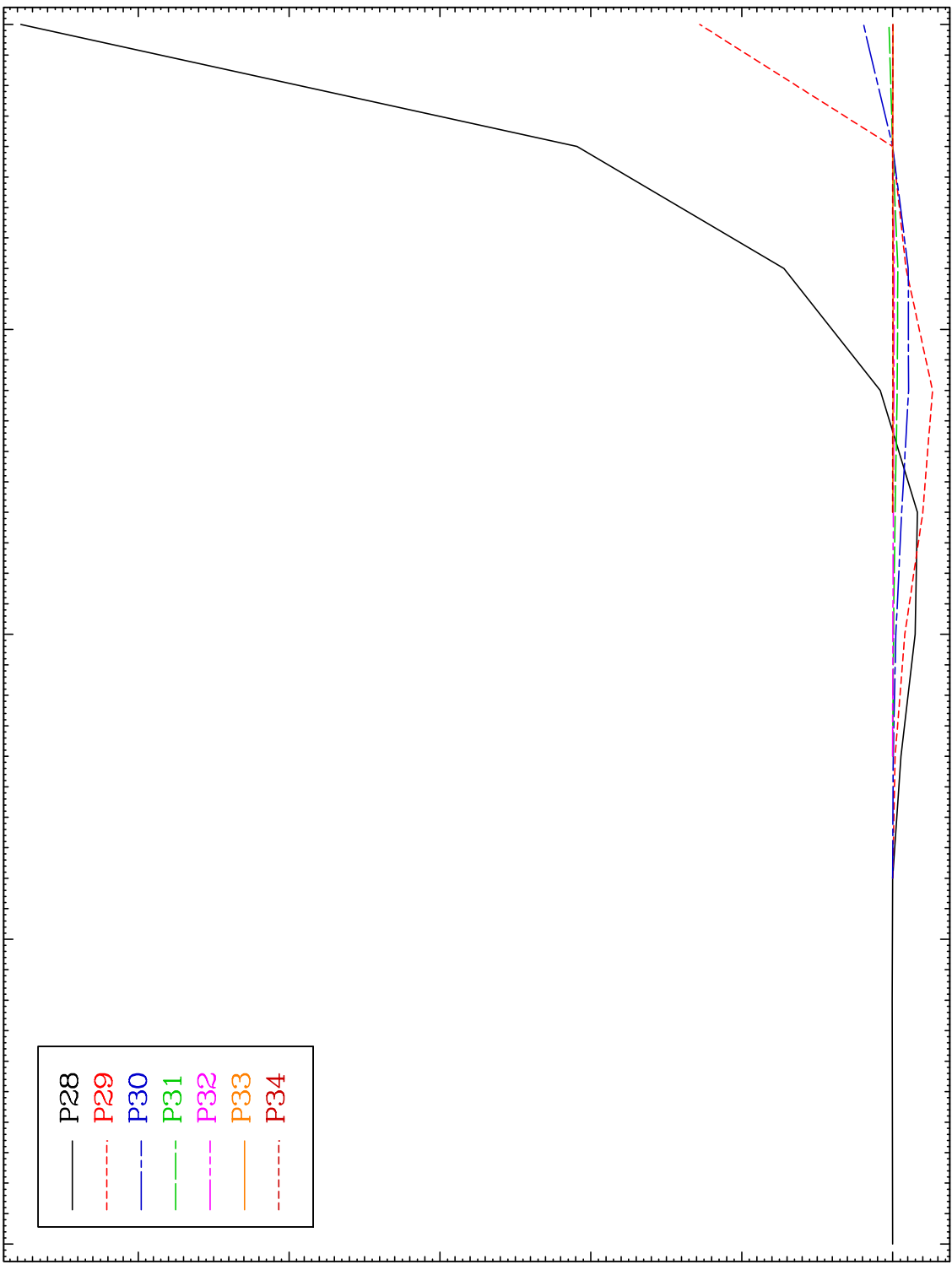
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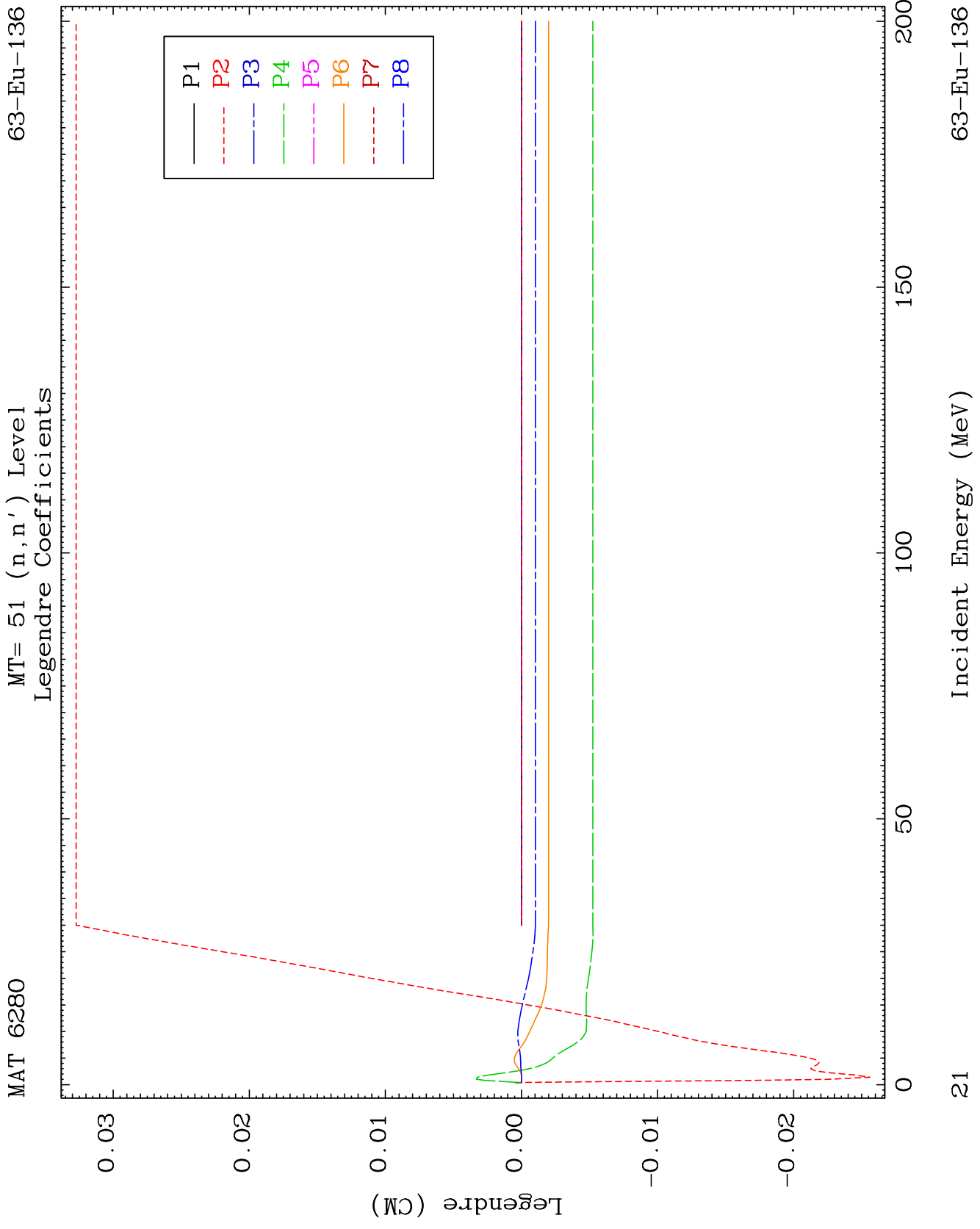
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20

Incident Energy (MeV)

63-Eu-136

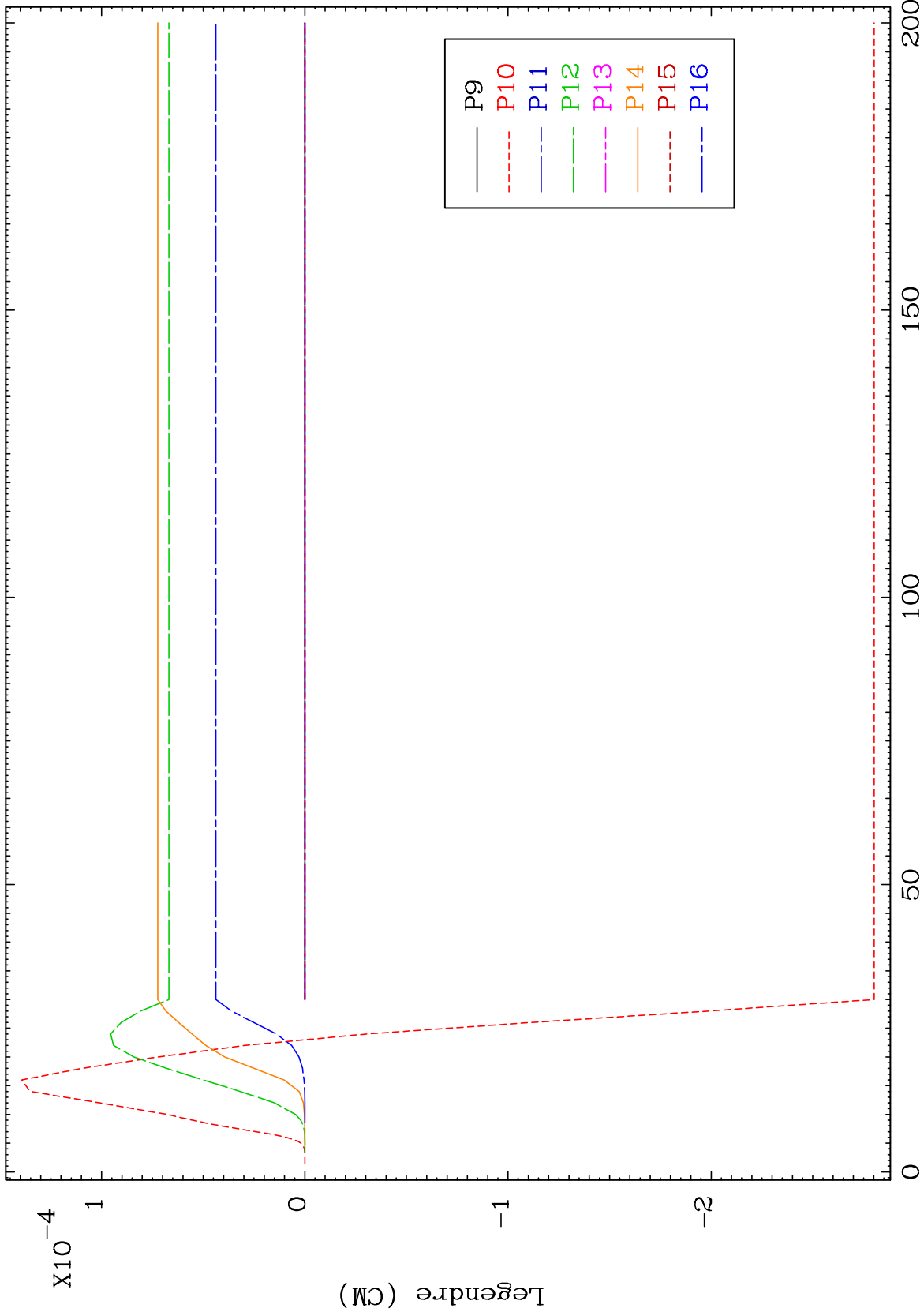




MAT 6280

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

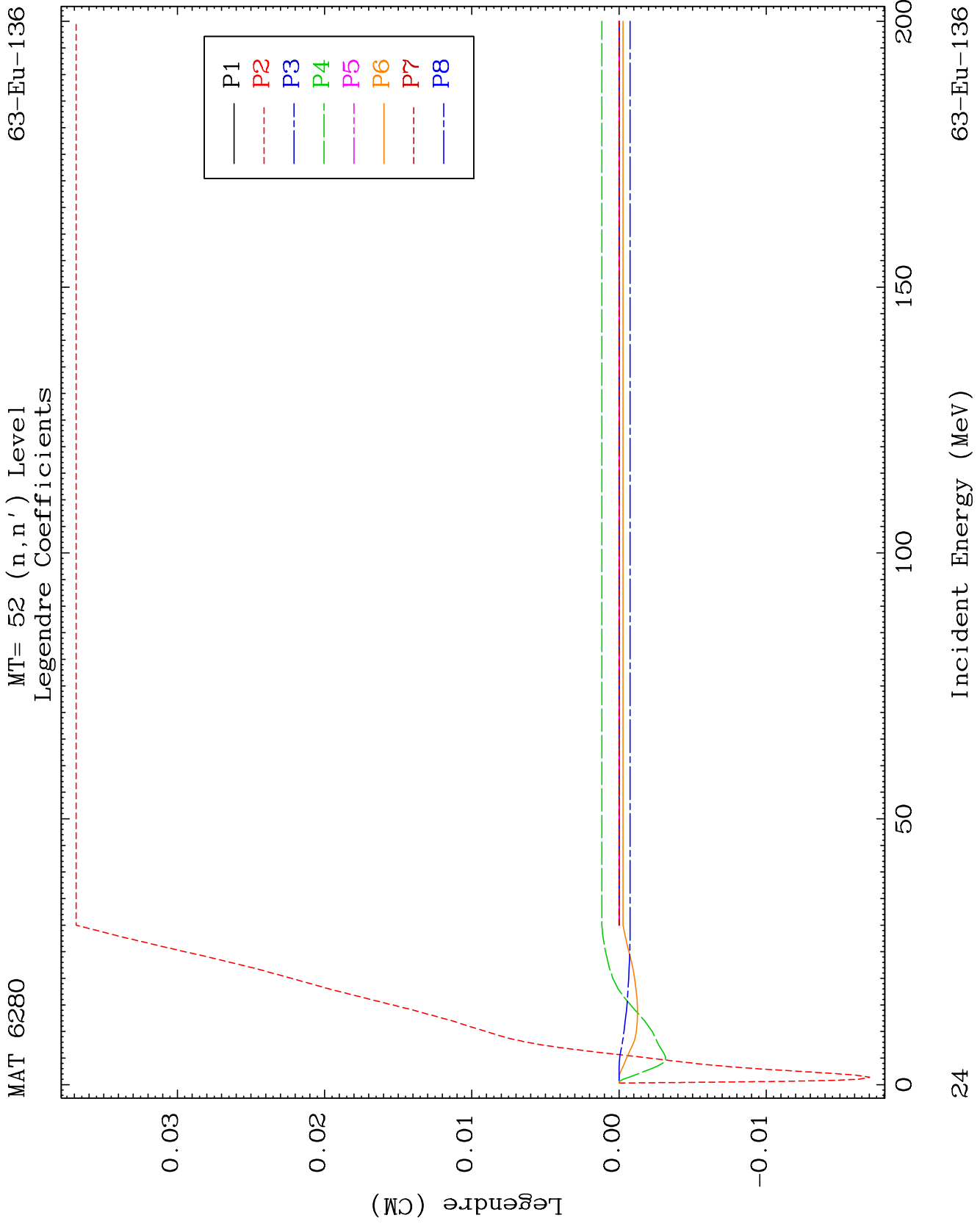
63-Eu-136



22

Incident Energy (MeV)

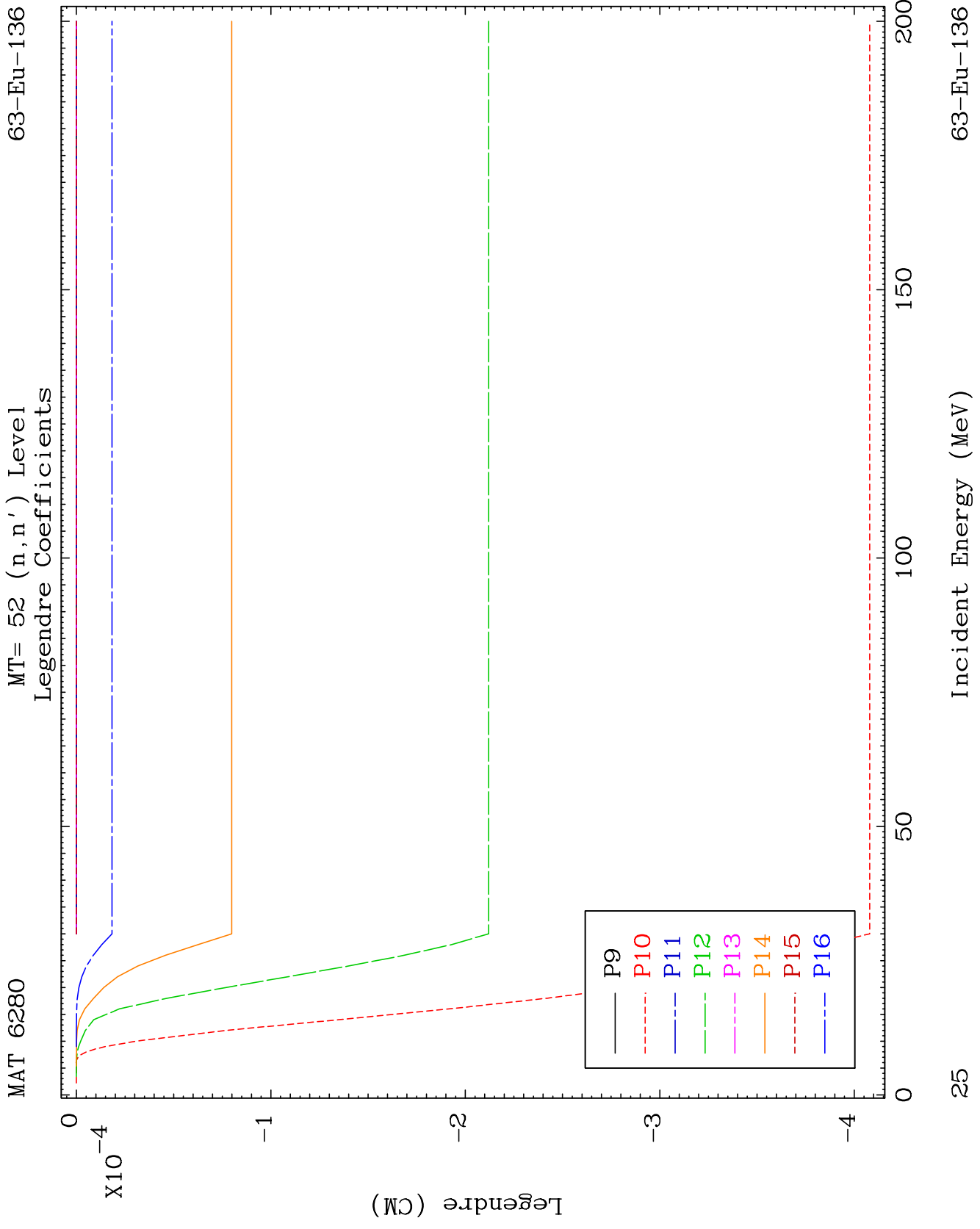
63-Eu-136



63-Eu-136

Incident Energy (MeV)

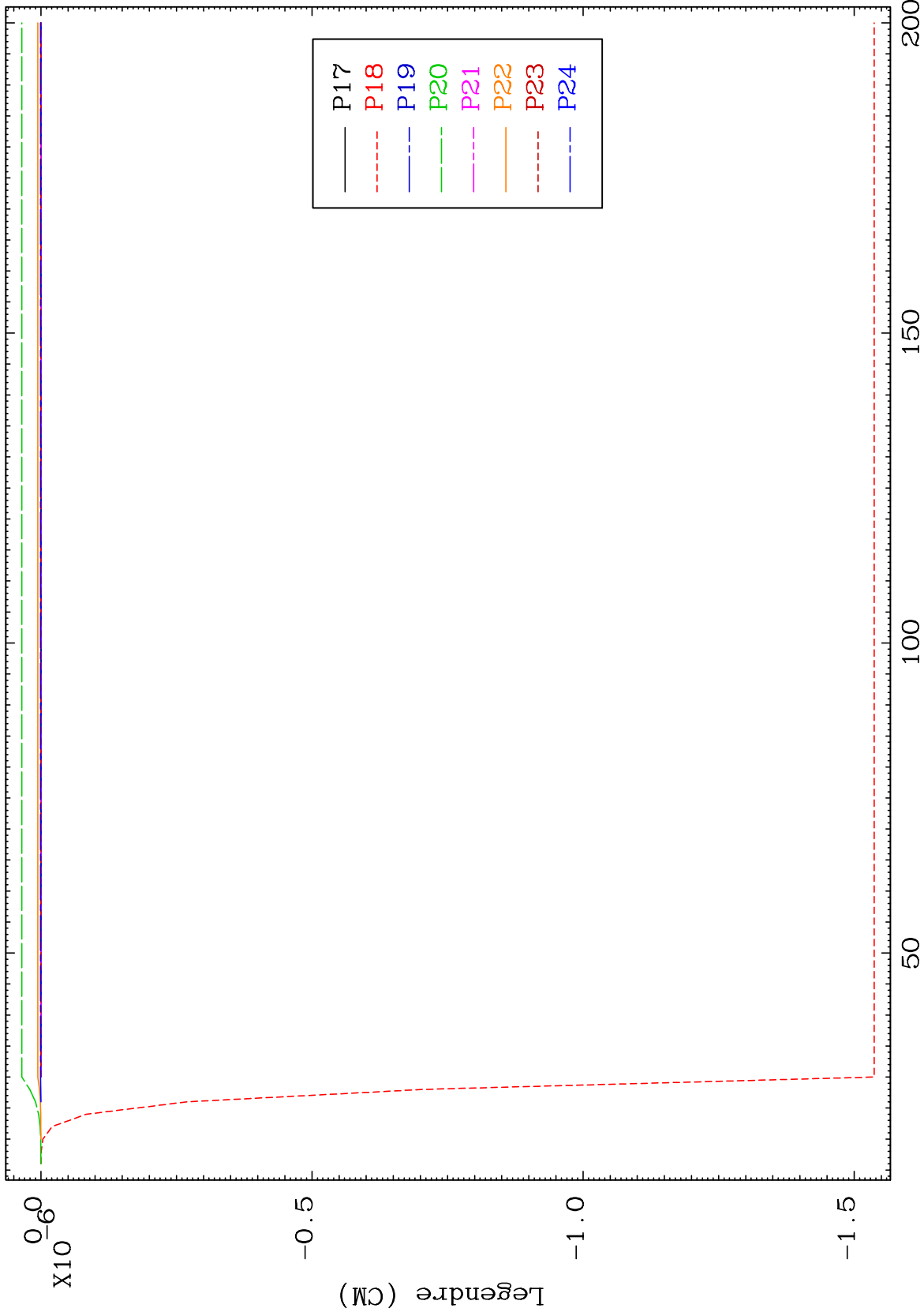
24



MAT 6280

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

63-Eu-136



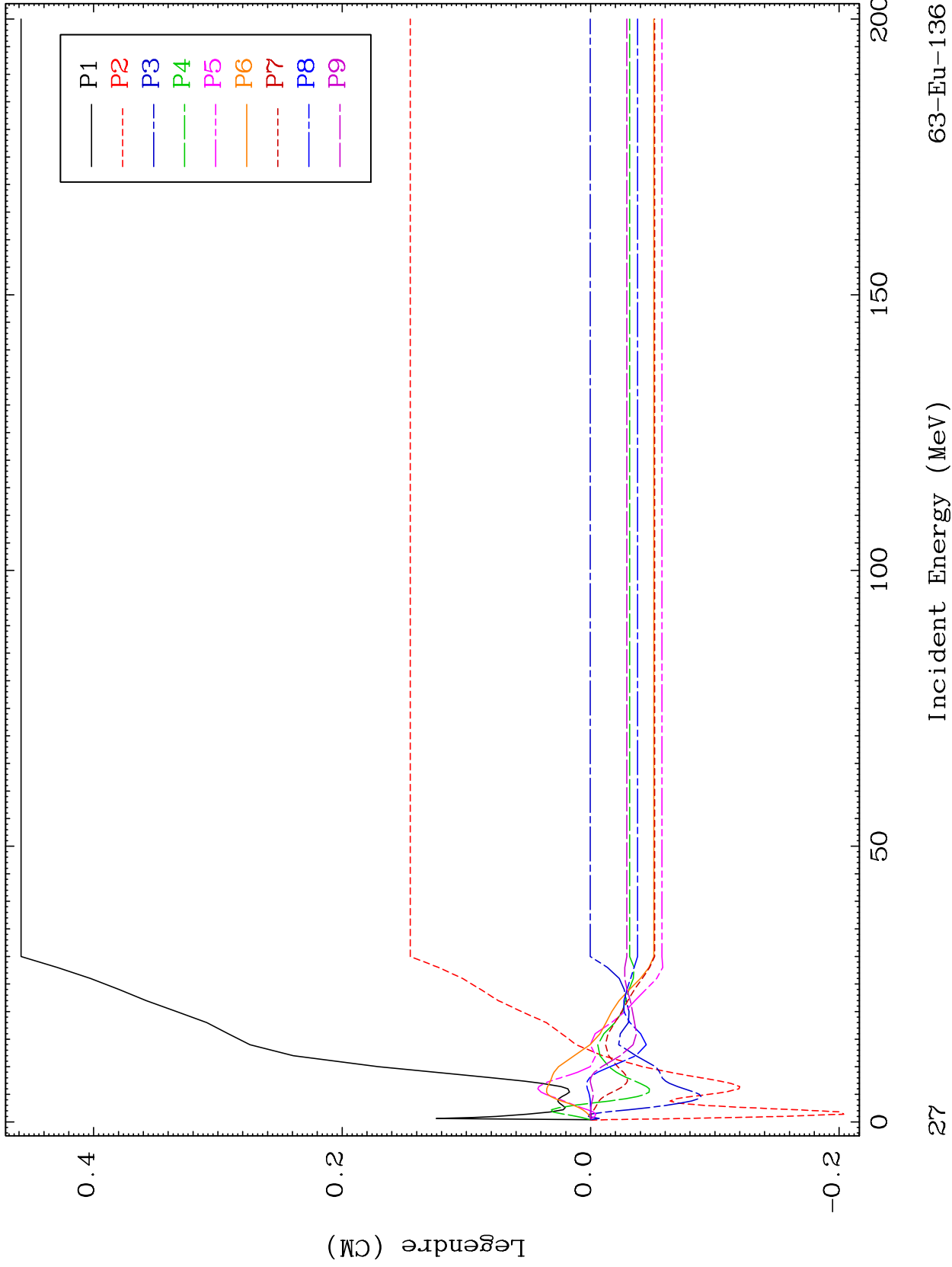
26

63-Eu-136

MAT 6280

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

63-Eu-136



27

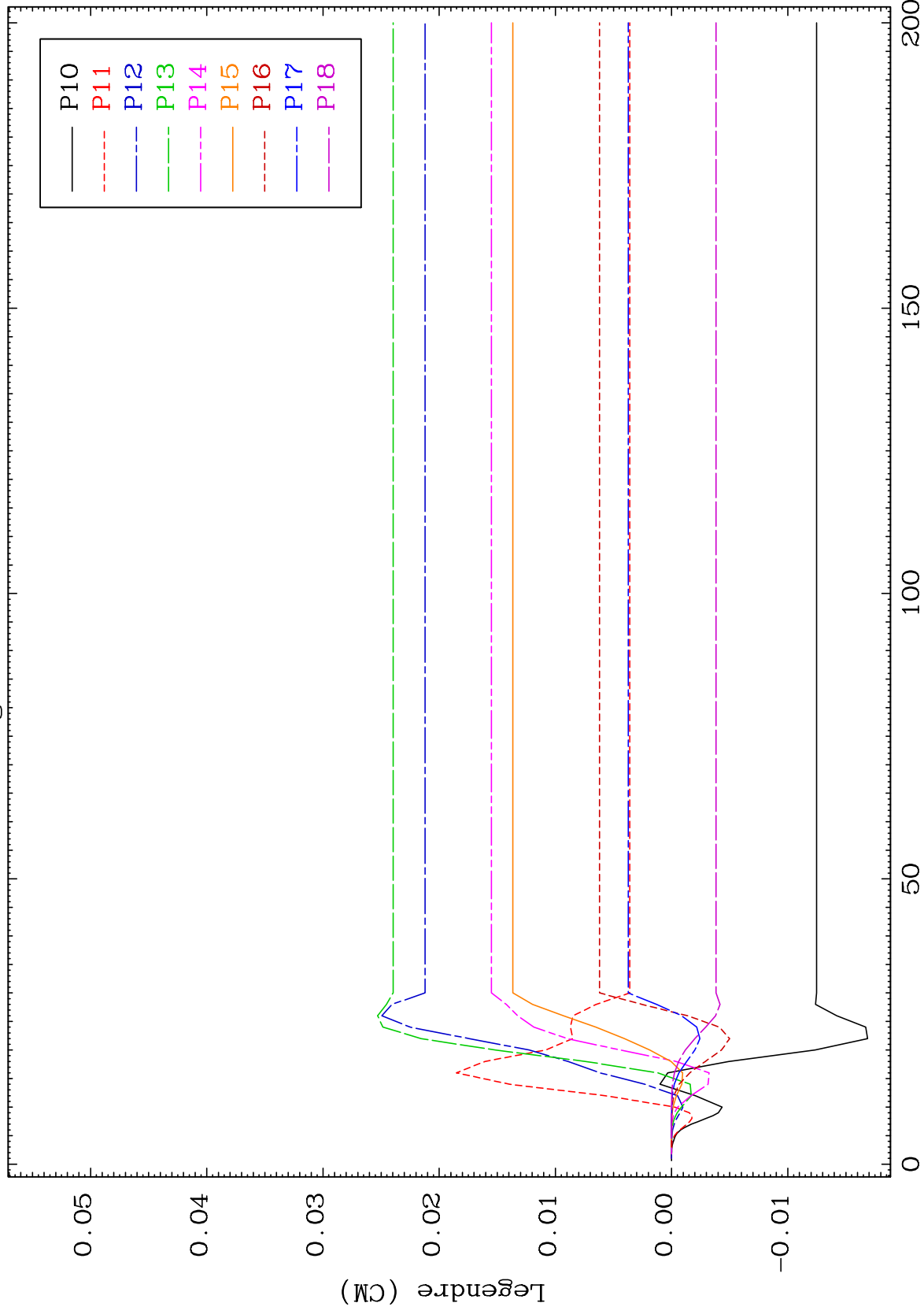
Incident Energy (MeV)

63-Eu-136

MAT 6280

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

63-Eu-136



28

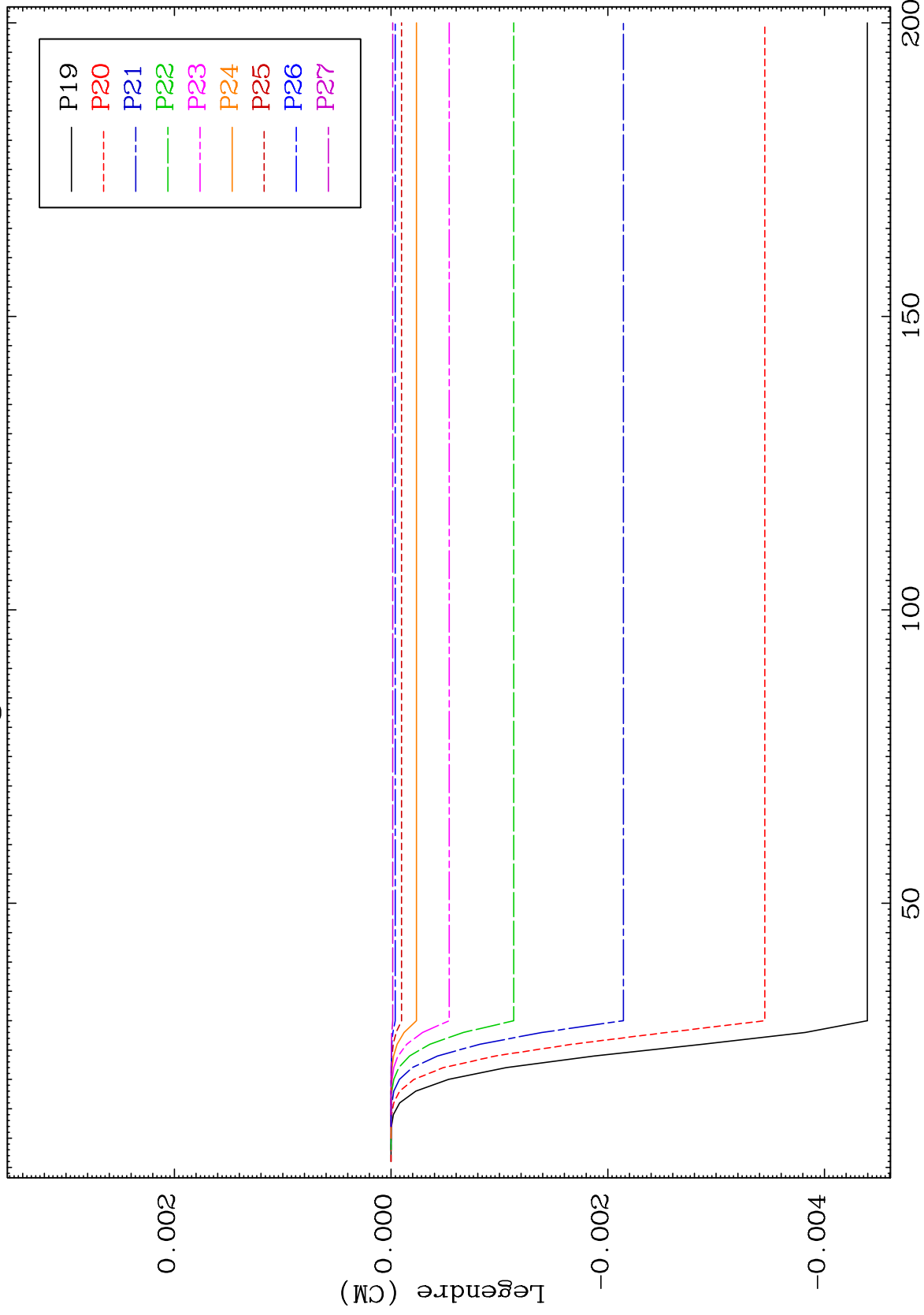
Incident Energy (MeV)

63-Eu-136

MAT 6280

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

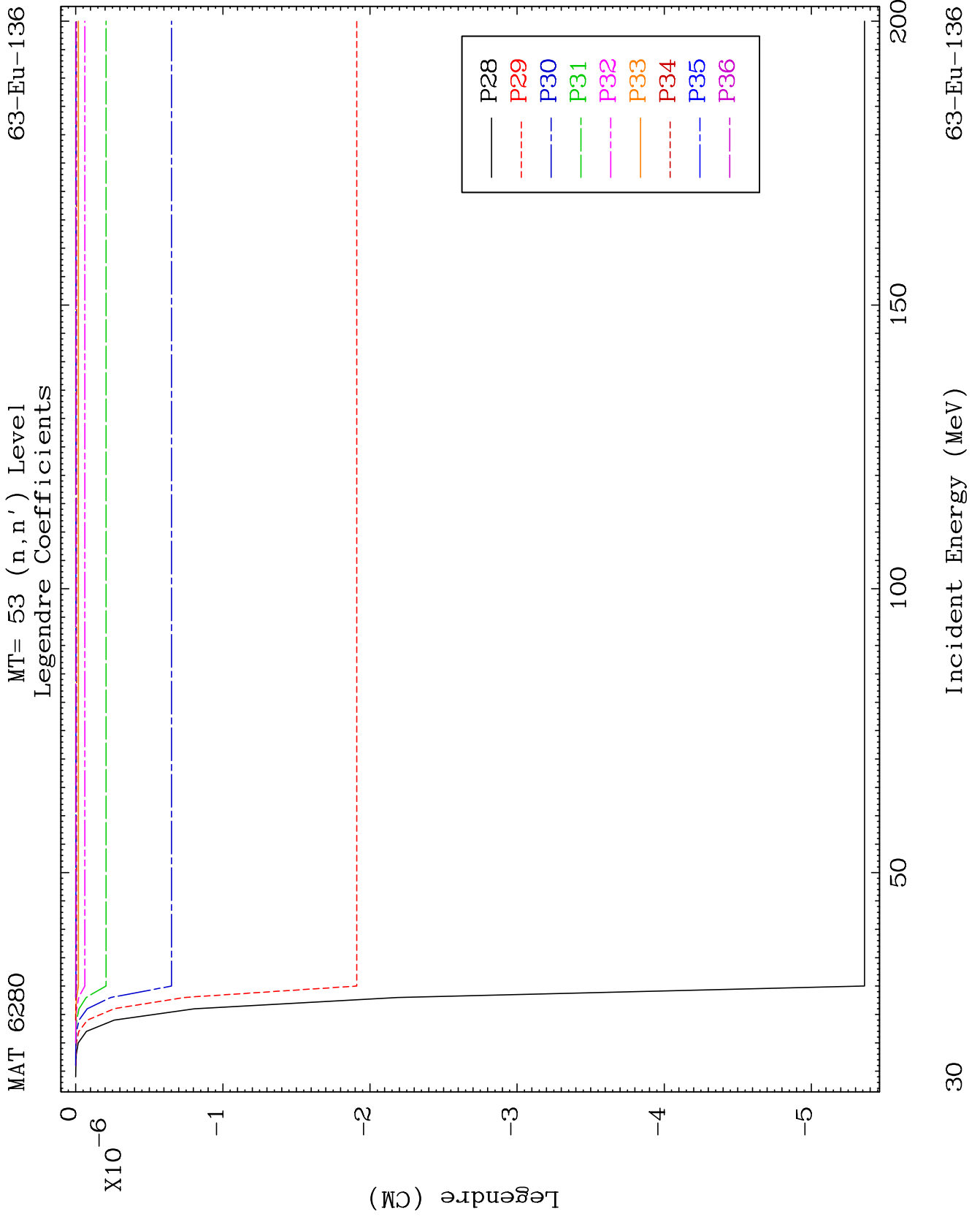
63-Eu-136



29

Incident Energy (MeV)

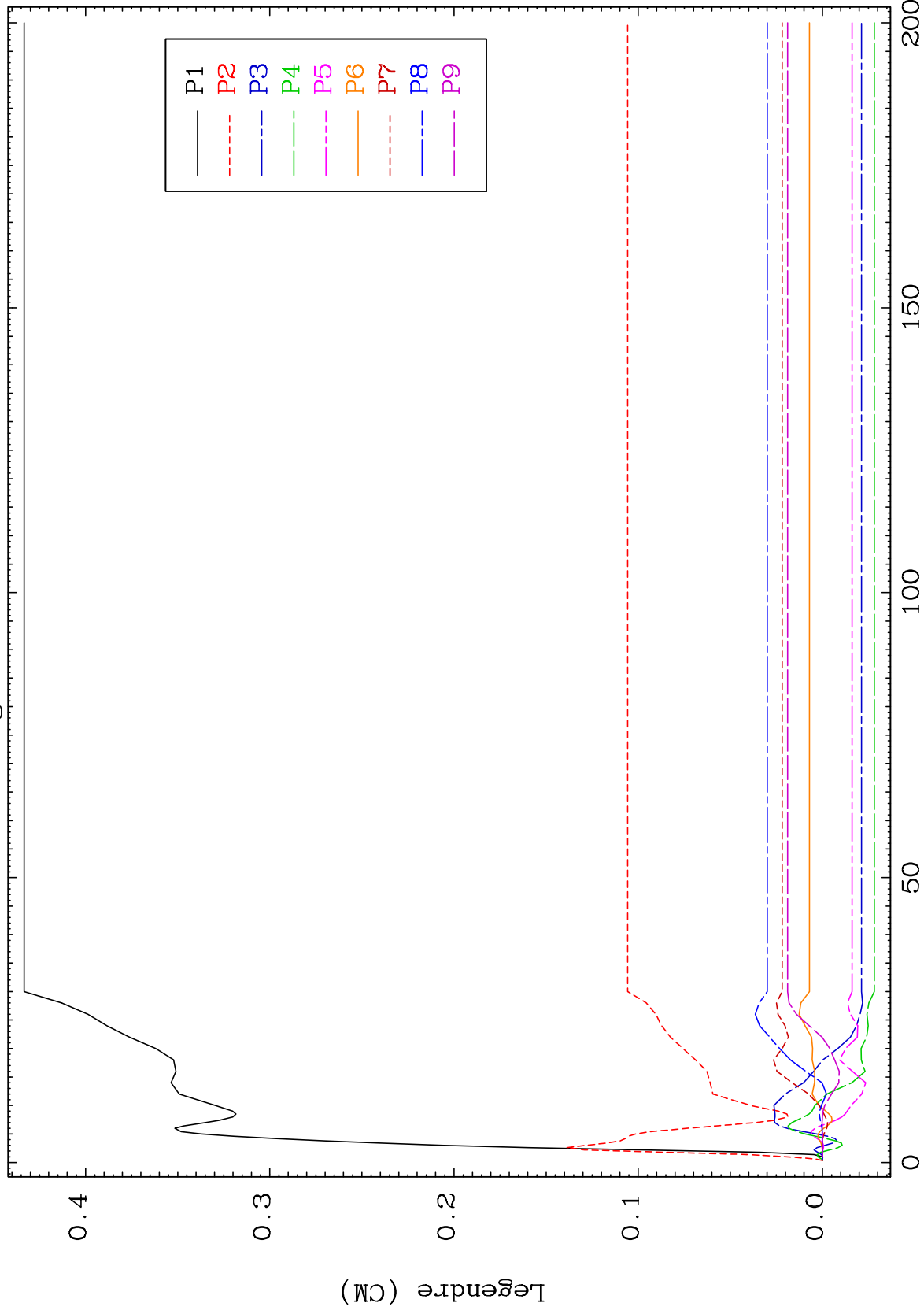
63-Eu-136



MAT 6280

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

63-Eu-136



31

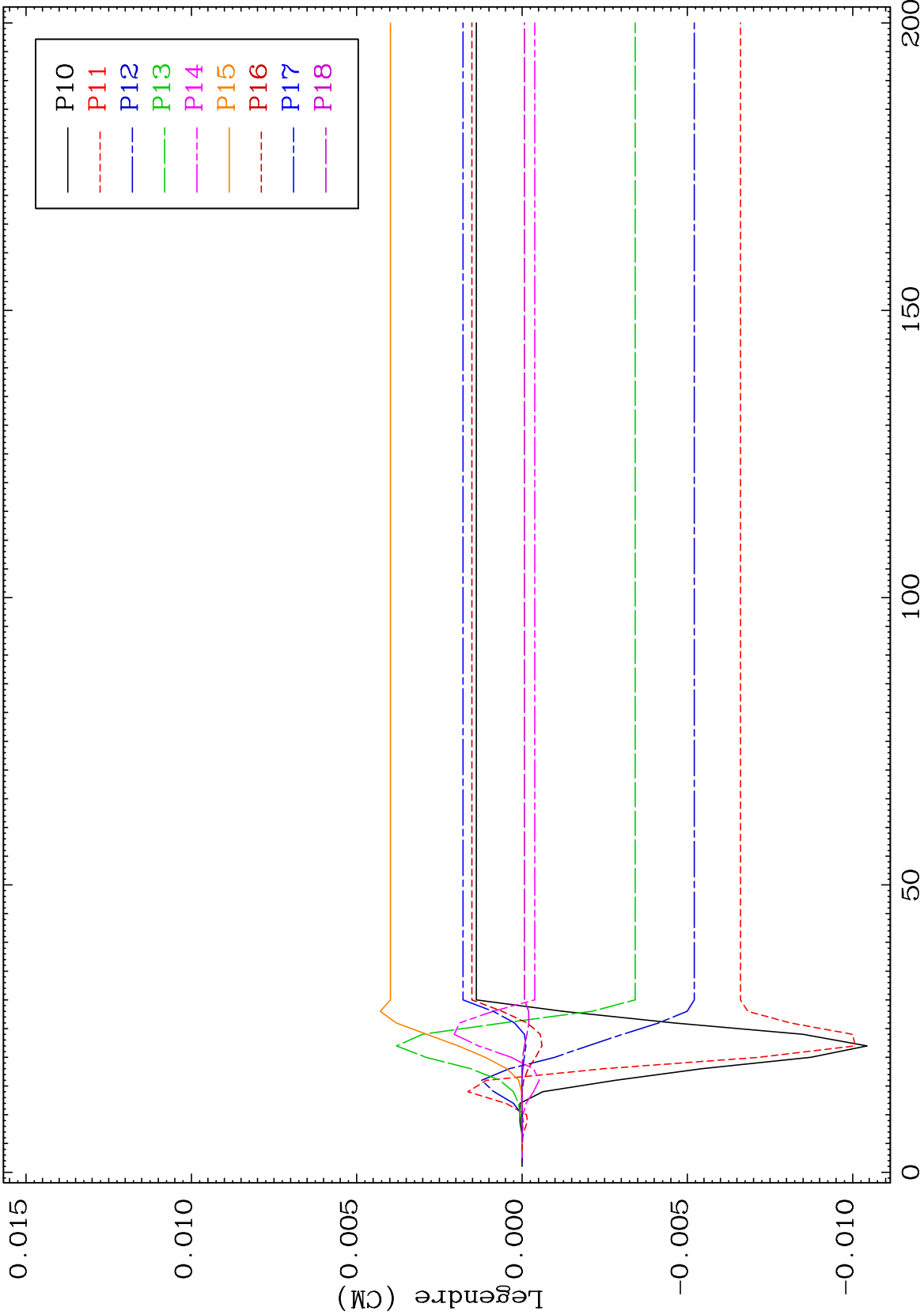
Incident Energy (MeV)

63-Eu-136

MAT 6280

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

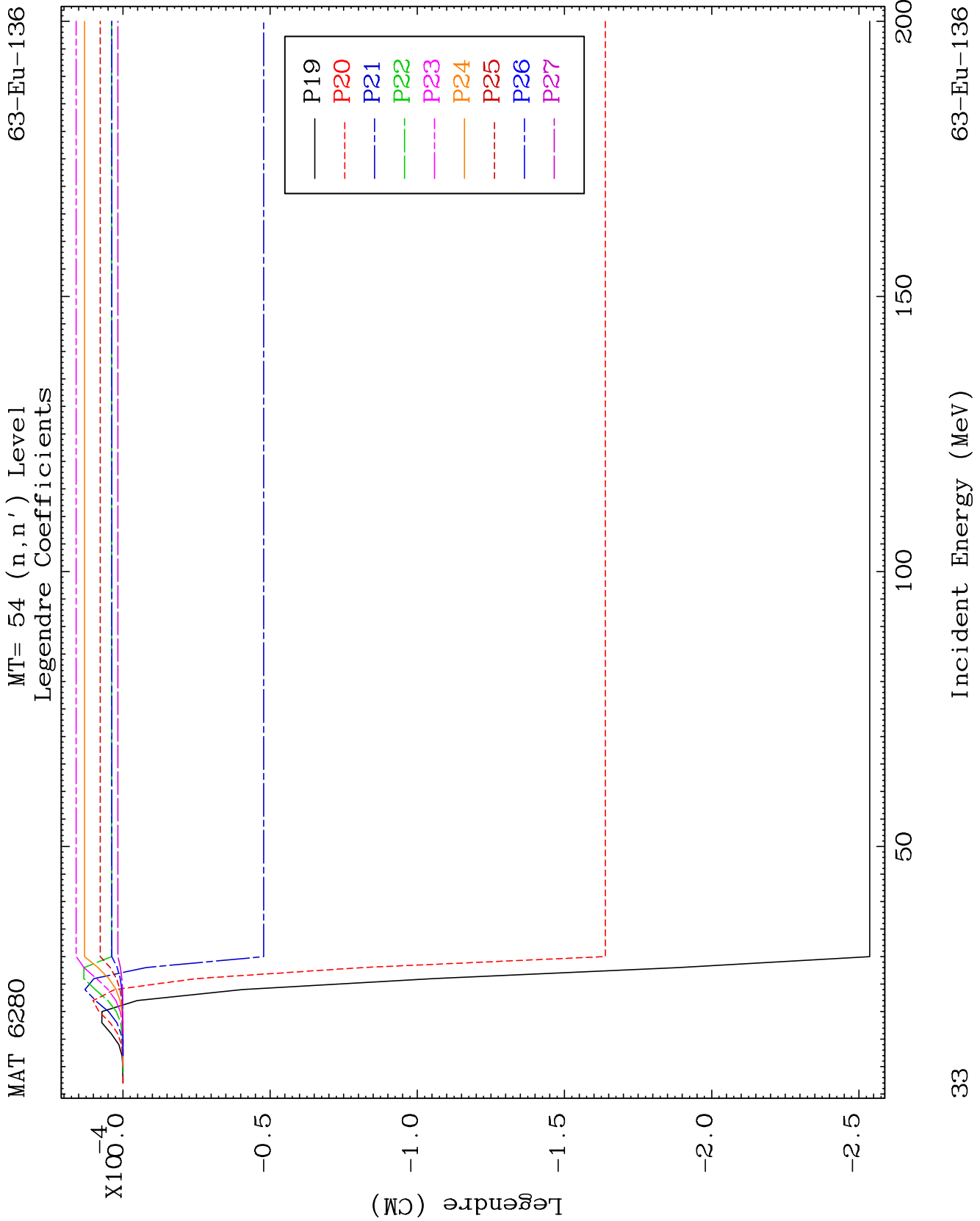
63-Eu-136



32

Incident Energy (MeV)

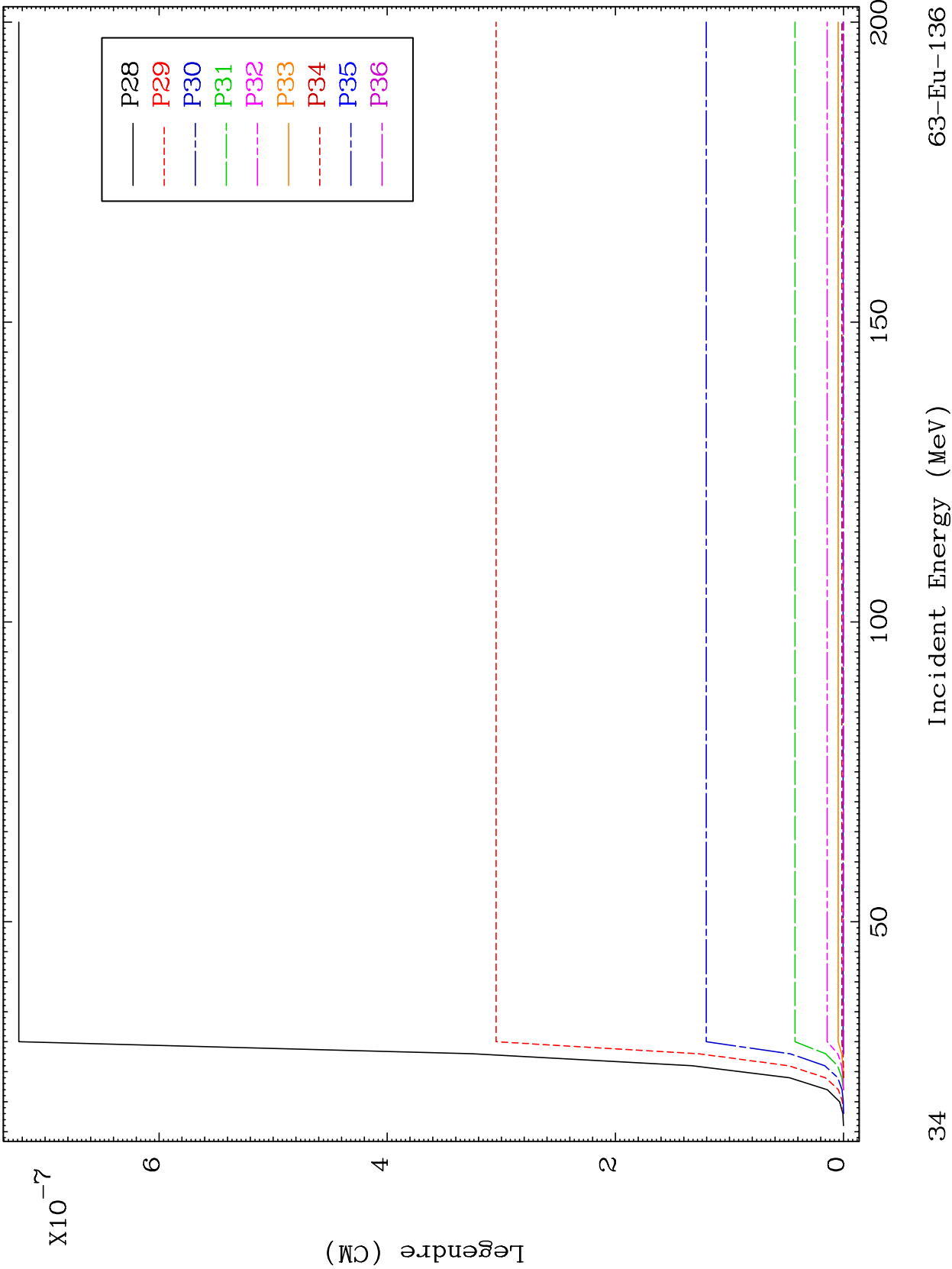
63-Eu-136



MAT 6280

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

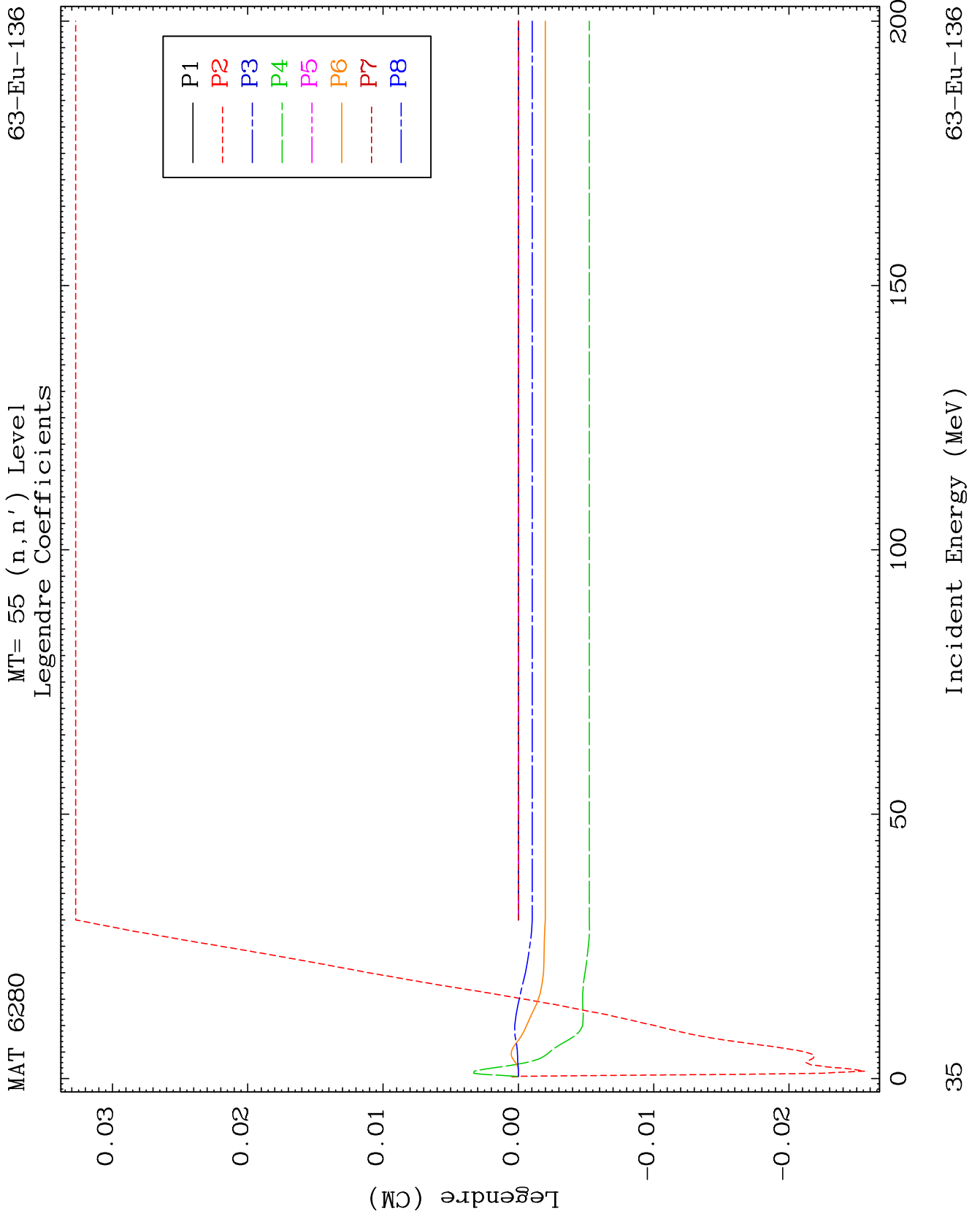
63-Eu-136



34

Incident Energy (MeV)

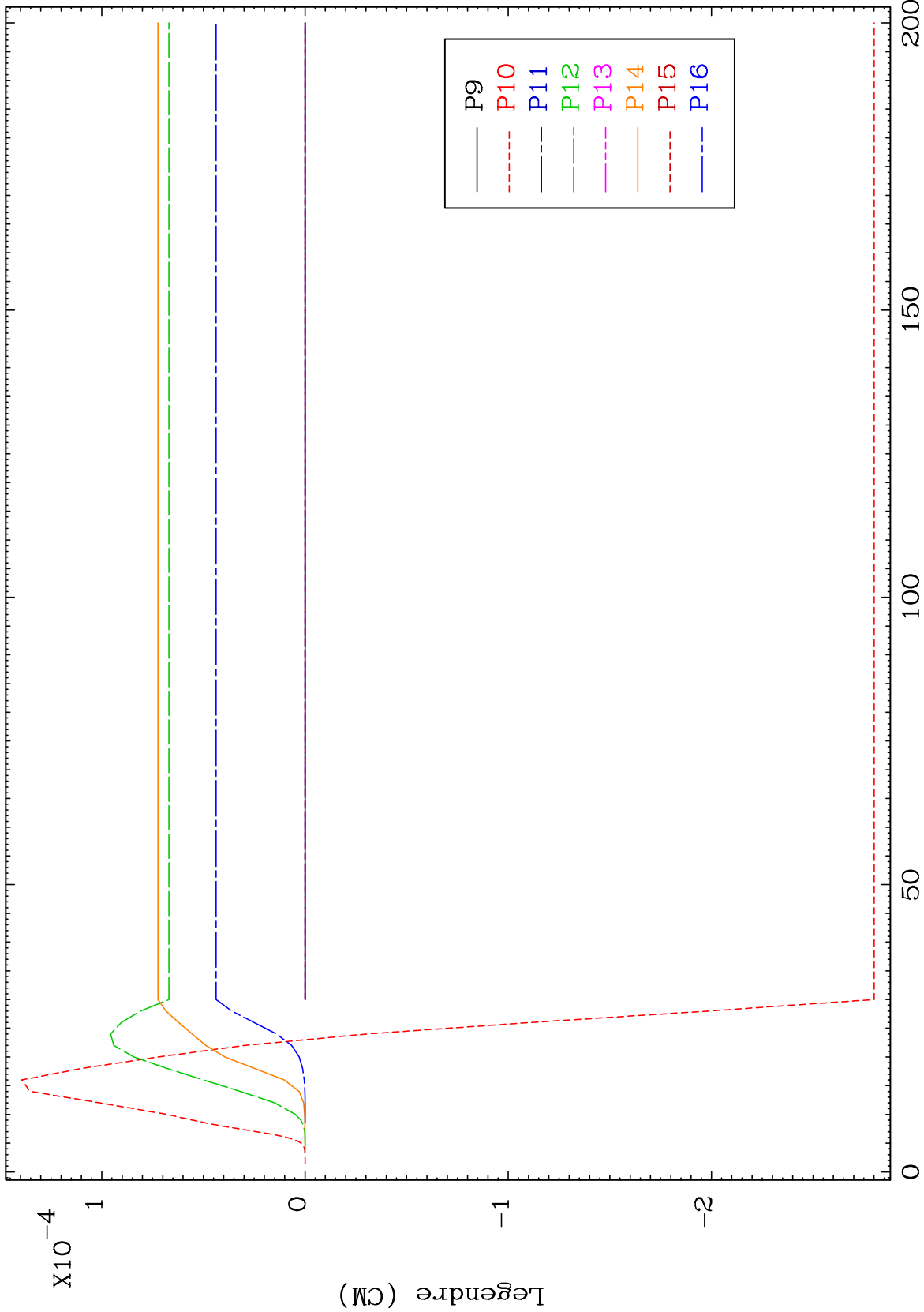
63-Eu-136



MAT 6280

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

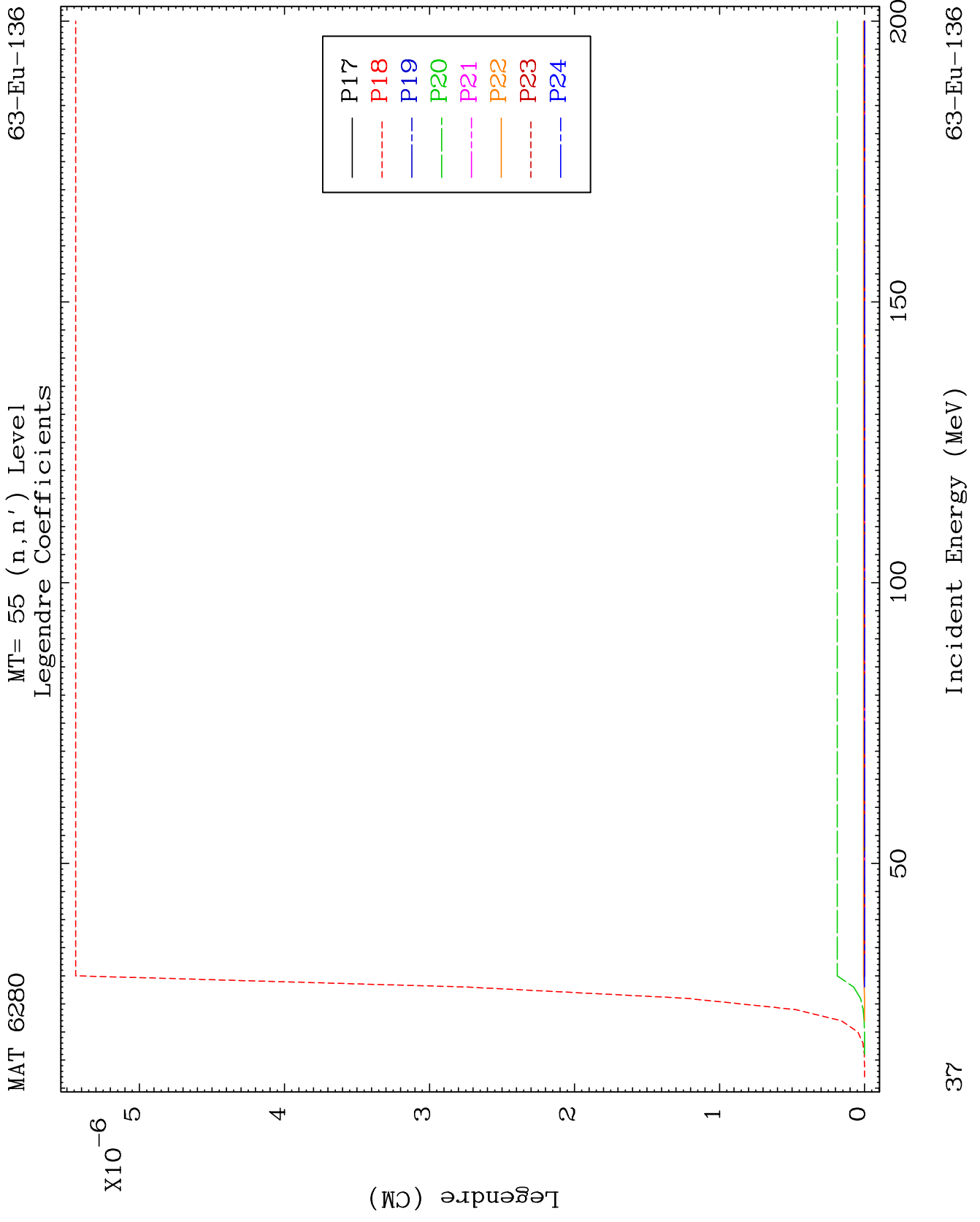
63-Eu-136



36

Incident Energy (MeV)

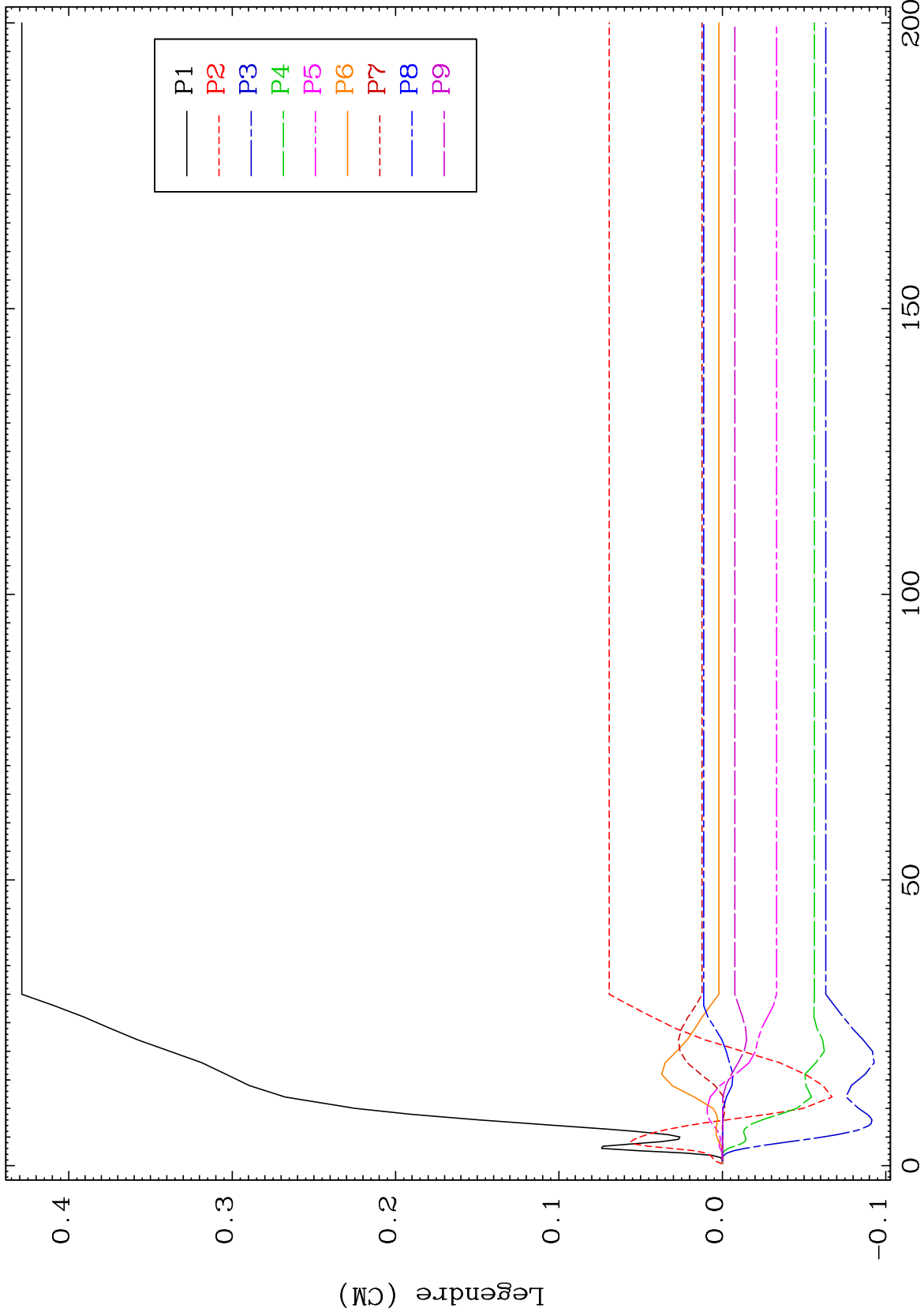
63-Eu-136



MAT 6280

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

63-Eu-136



63-Eu-136

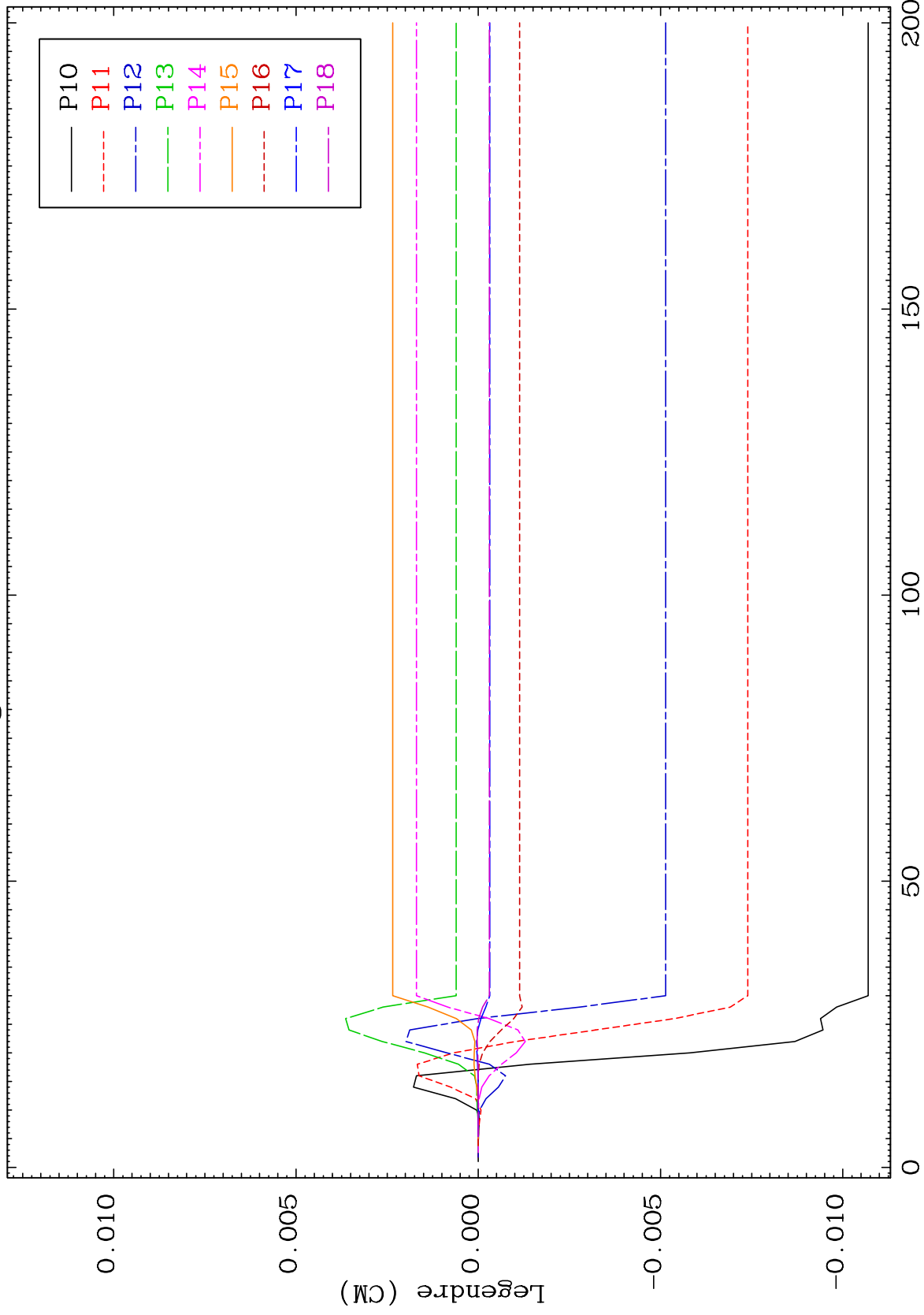
Incident Energy (MeV)

38

MAT 6280

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

63-Eu-136



39

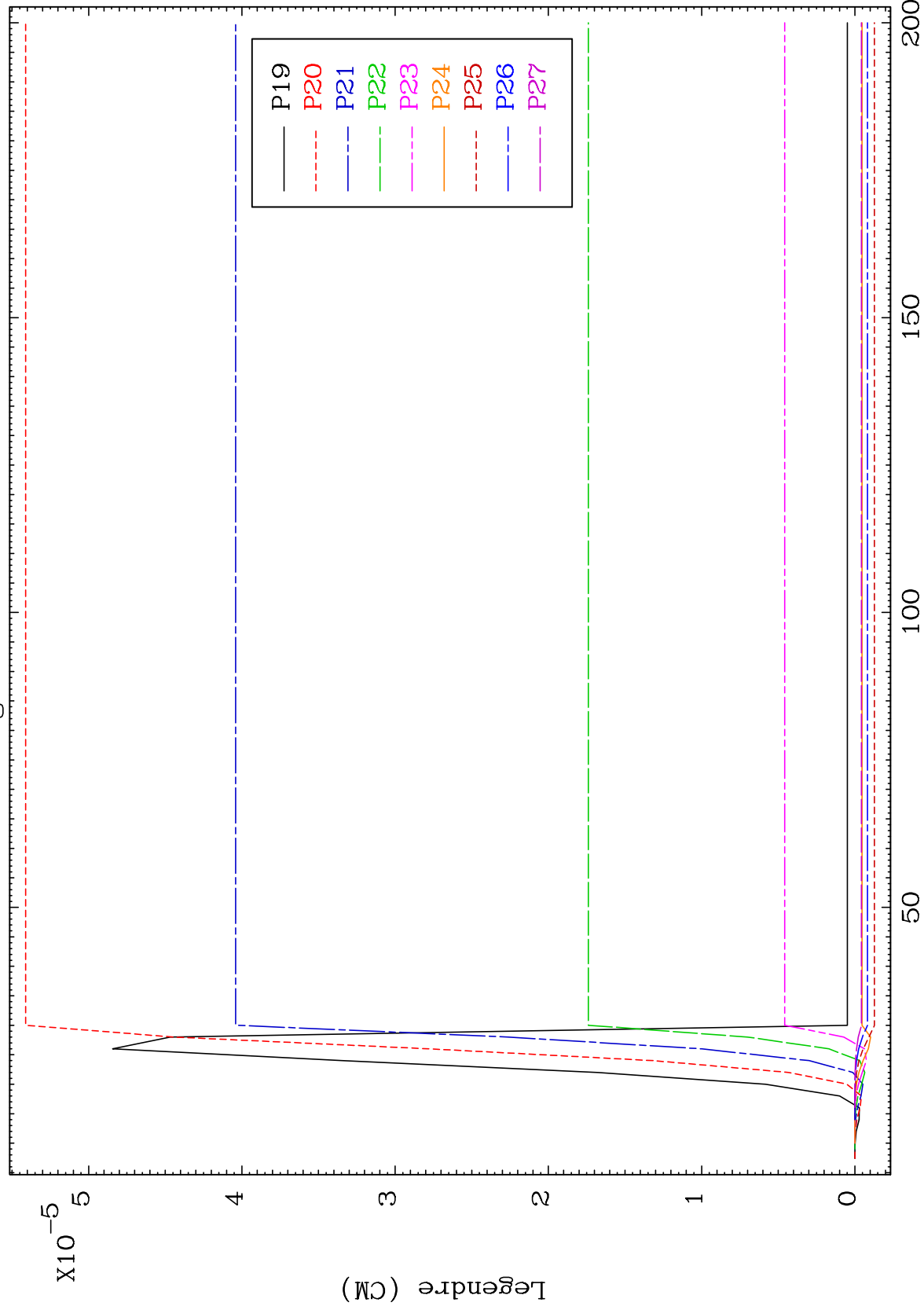
Incident Energy (MeV)

63-Eu-136

MAT 6280

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

63-Eu-136

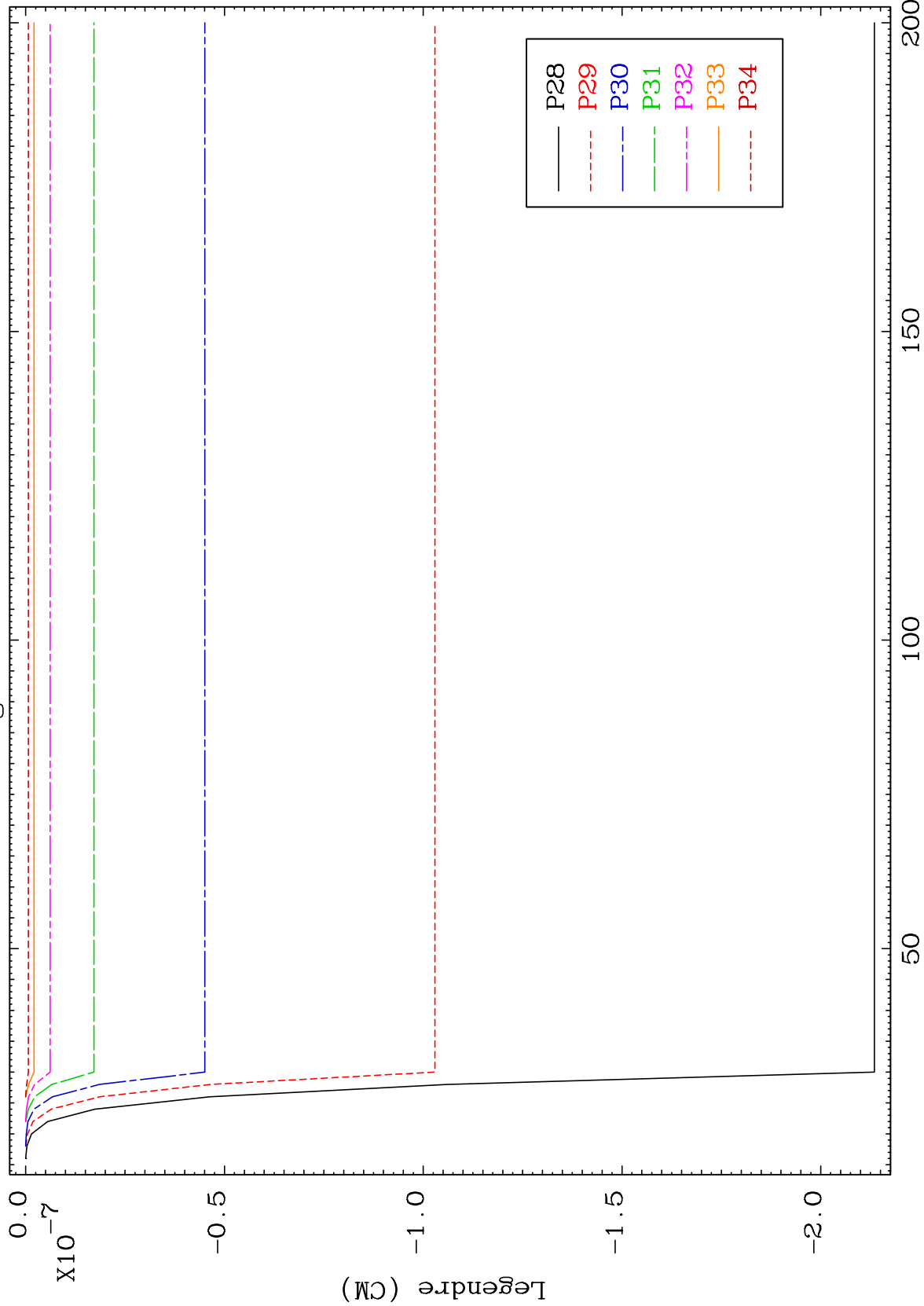


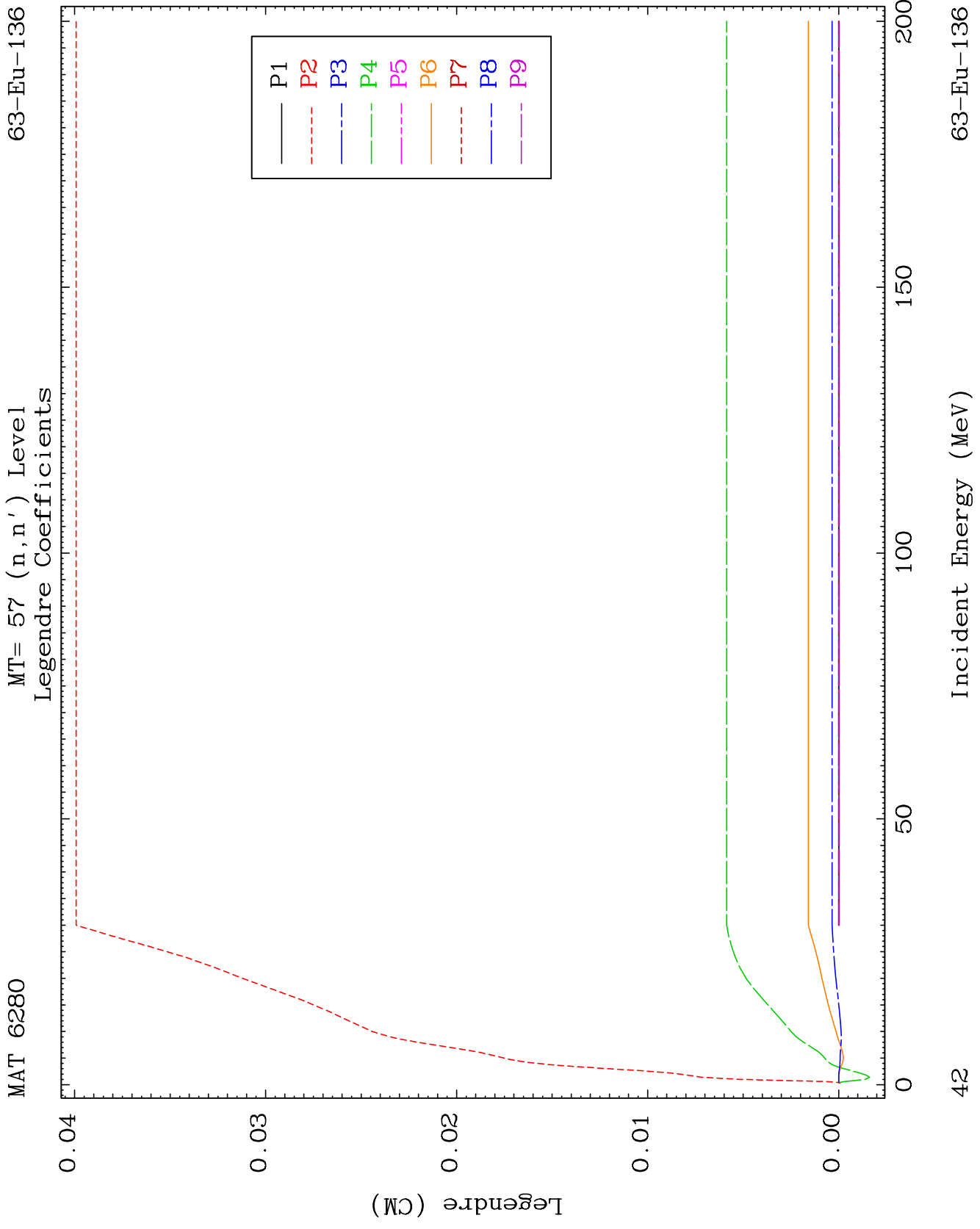
40

Incident Energy (MeV)

63-Eu-136

Legendre Coefficients

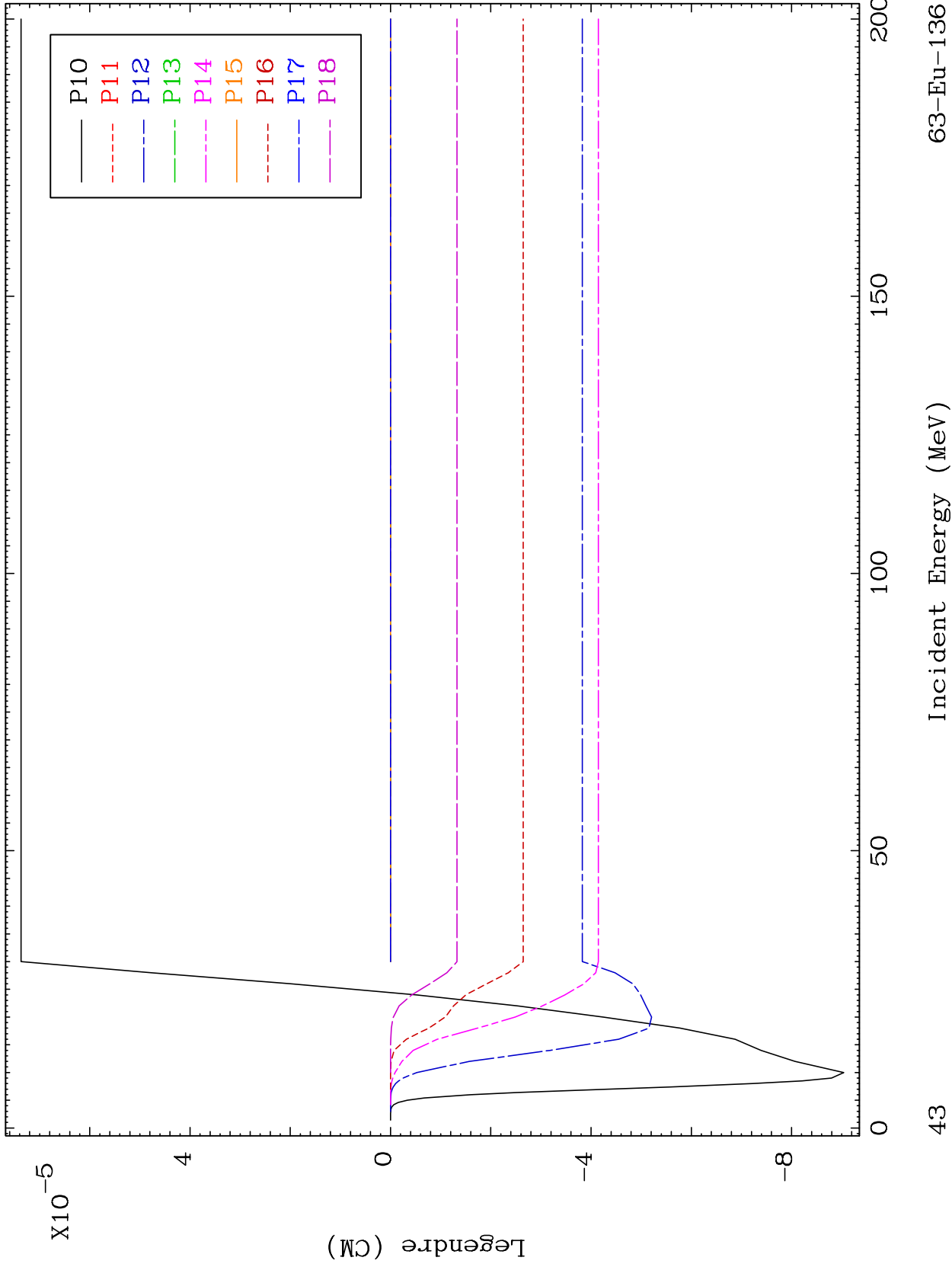




MAT 6280

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

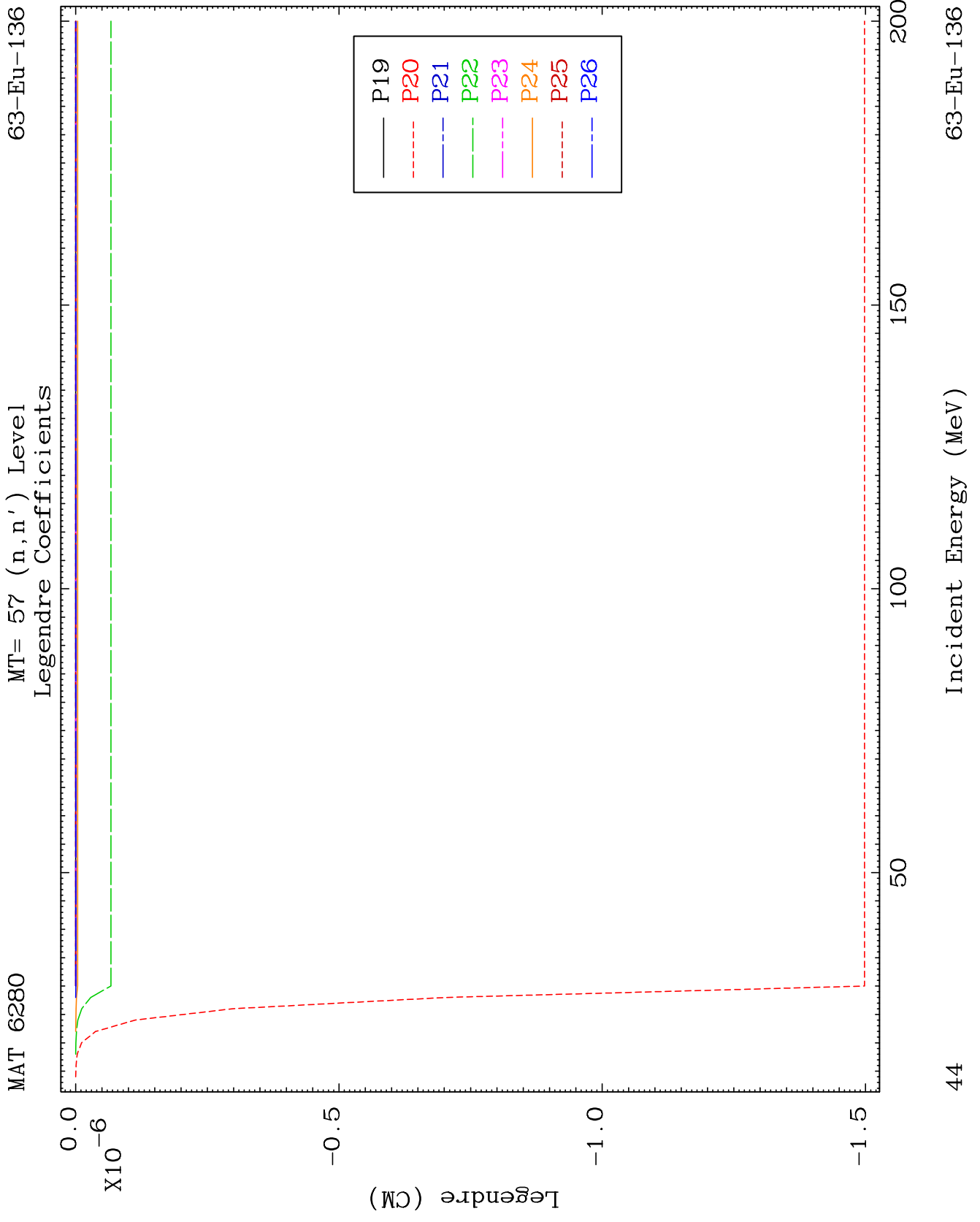
63-Eu-136



63-Eu-136

Incident Energy (MeV)

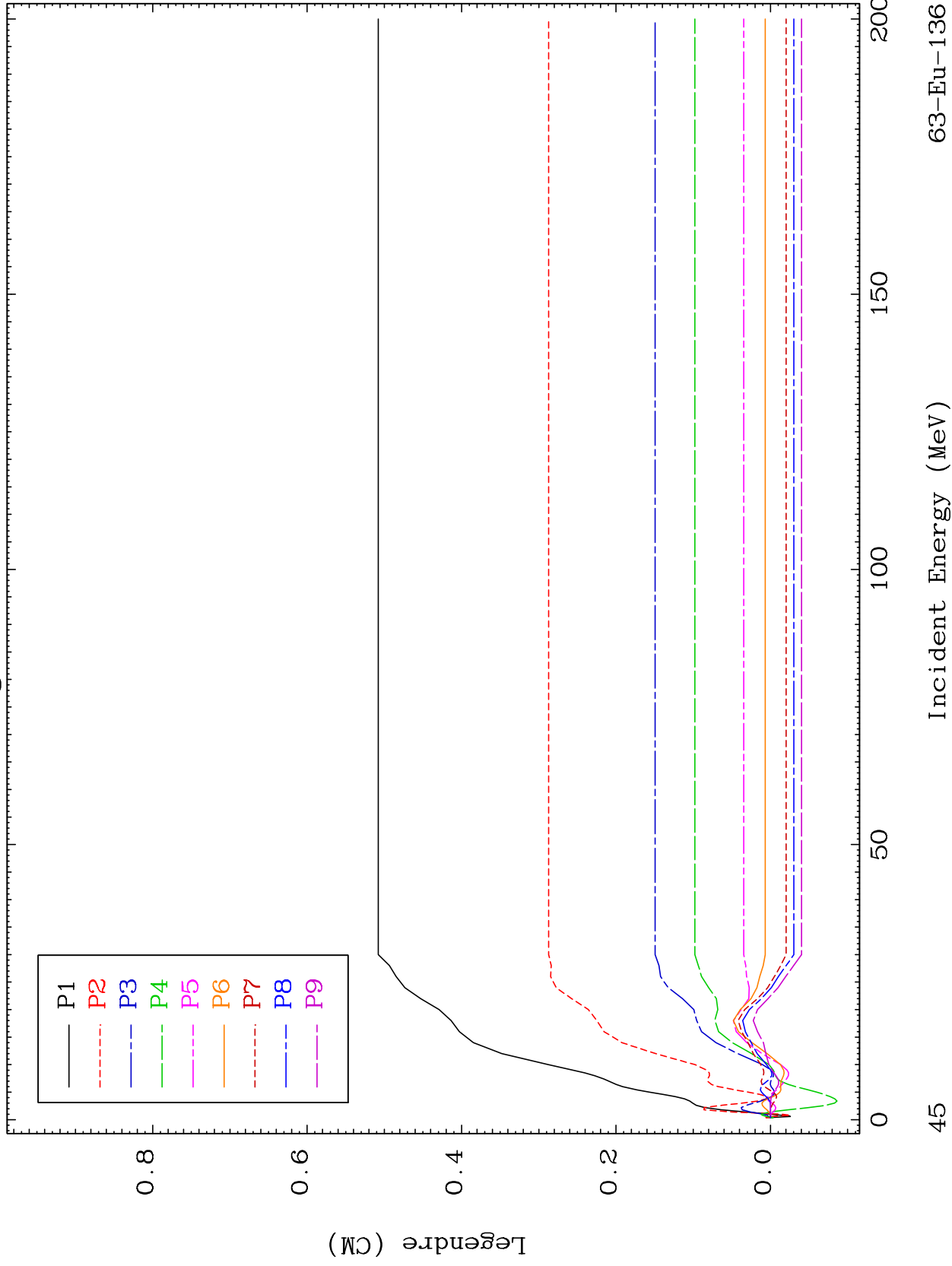
43



MAT 6280

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

63-Eu-136



63-Eu-136

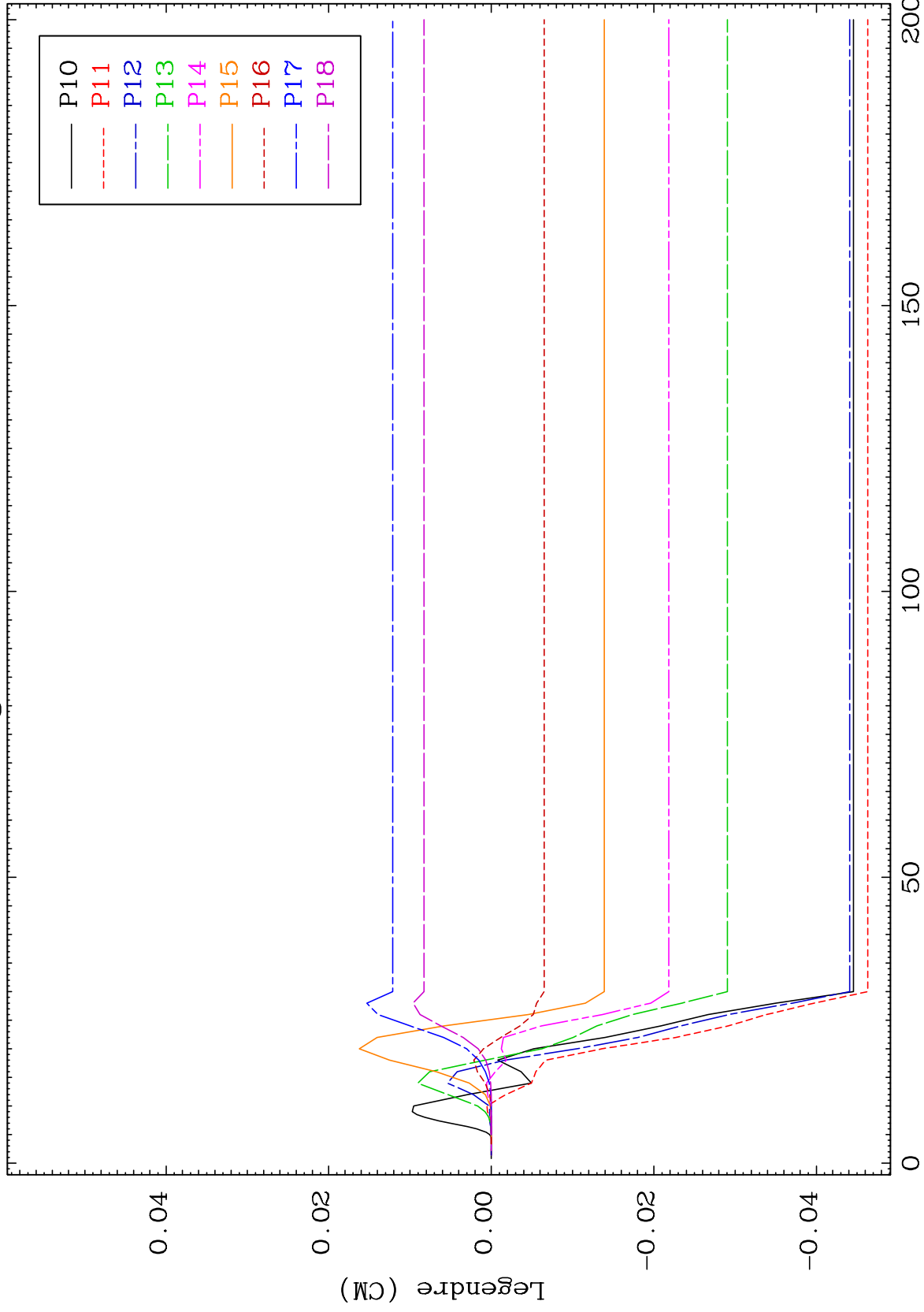
Incident Energy (MeV)

45

MAT 6280

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

63-Eu-136



46

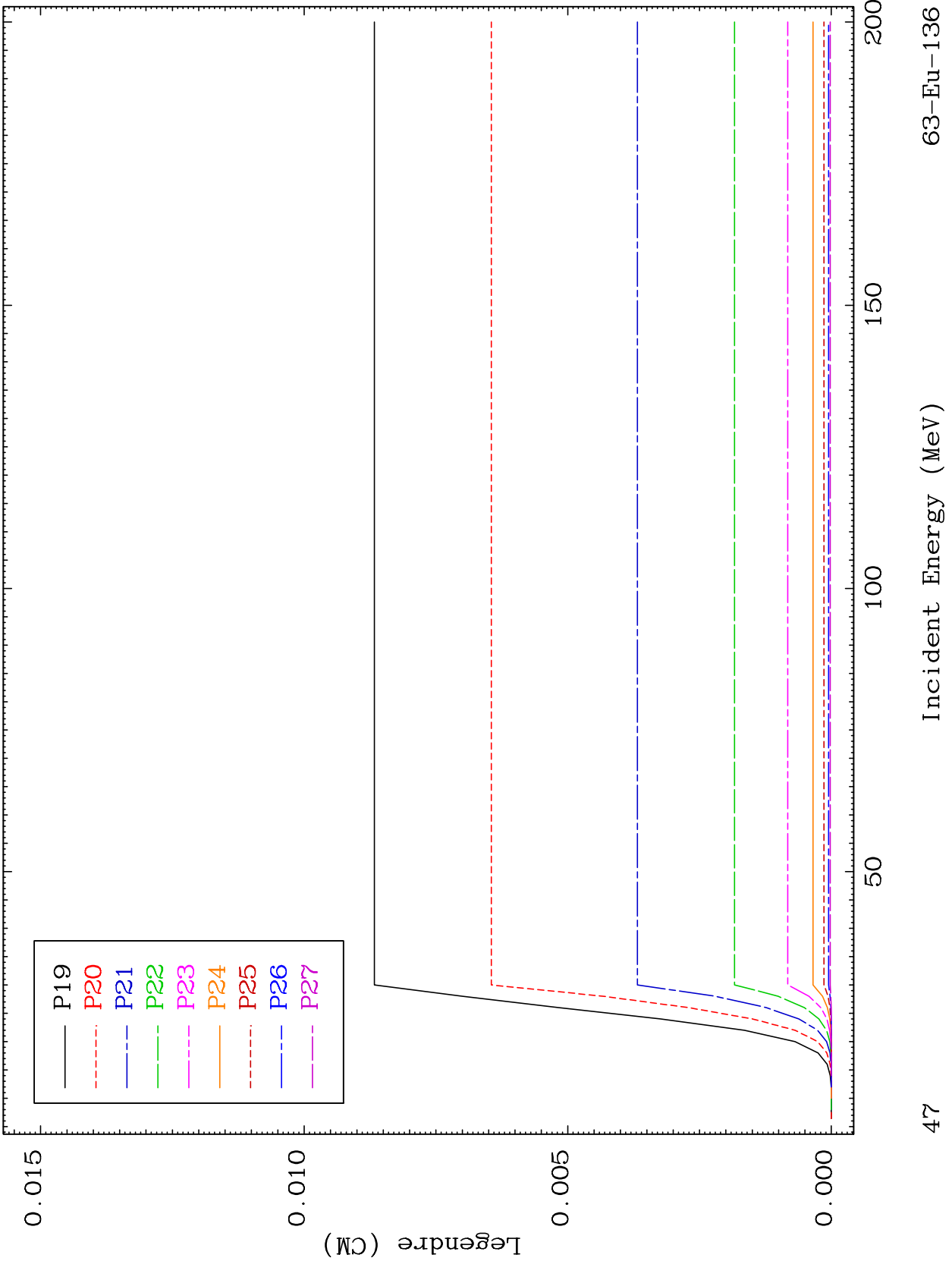
Incident Energy (MeV)

63-Eu-136

MAT 6280

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

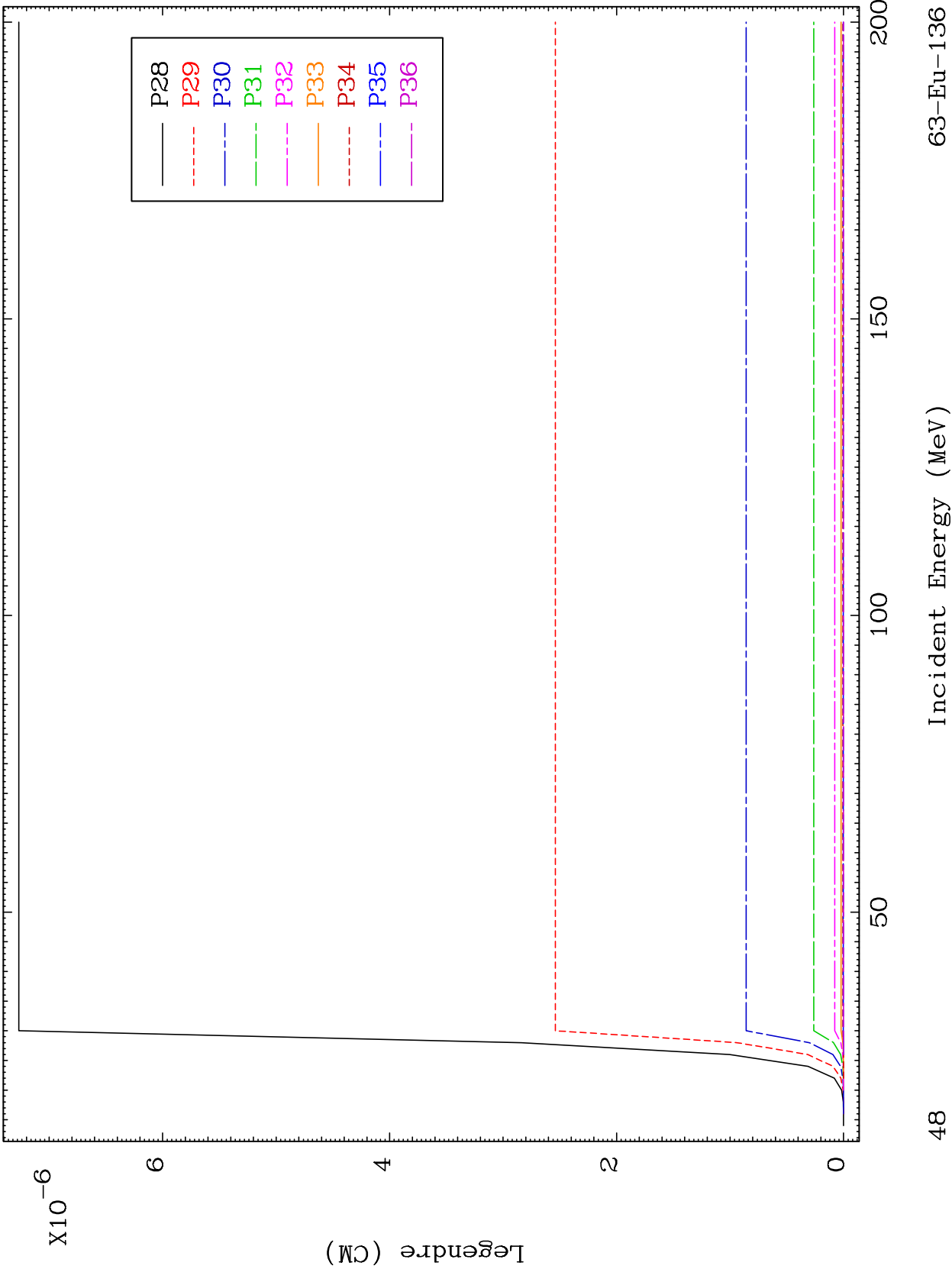
63-Eu-136



MAT 6280

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

63-Eu-136



48

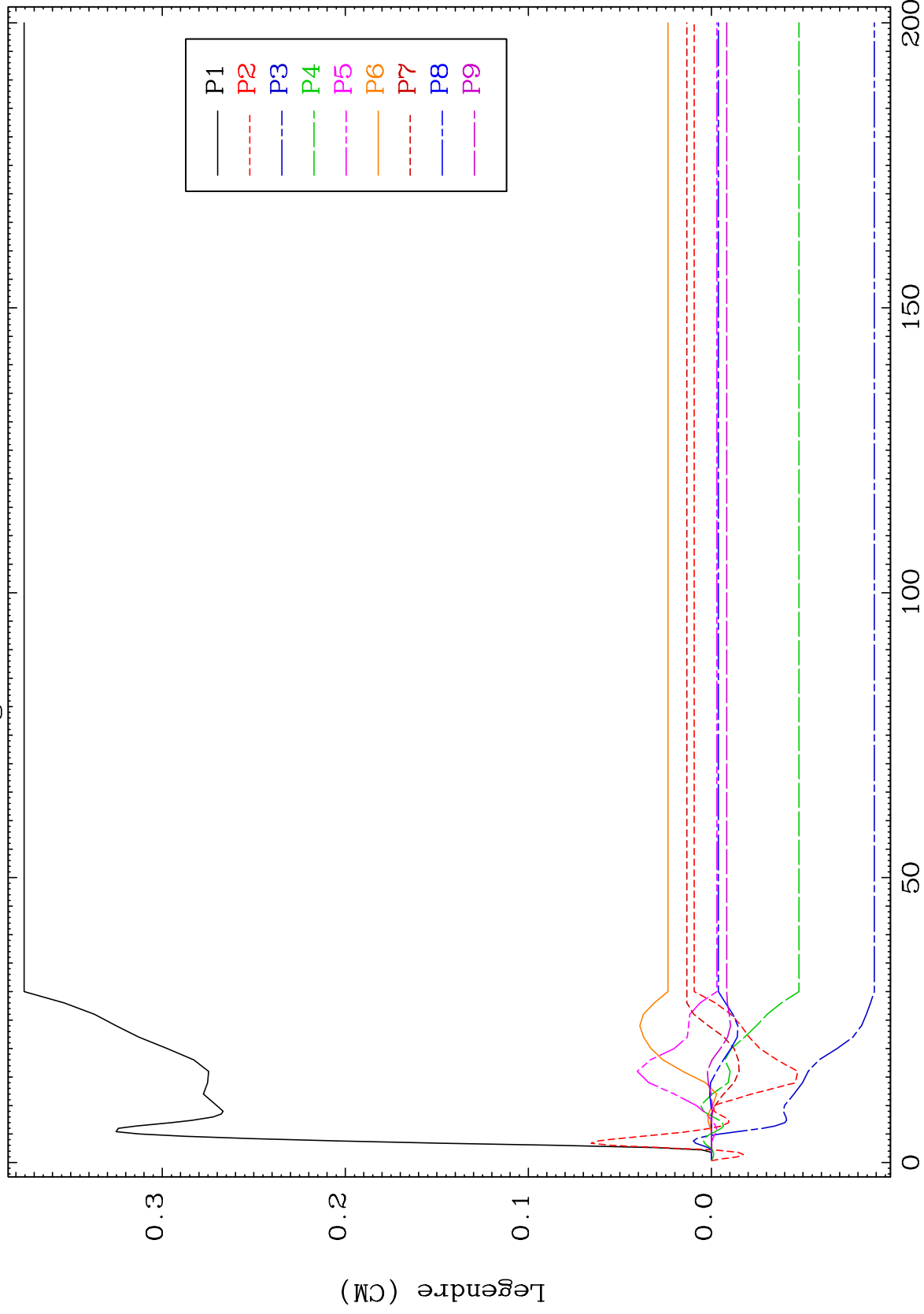
Incident Energy (MeV)

63-Eu-136

MAT 6280

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

63-Eu-136



49

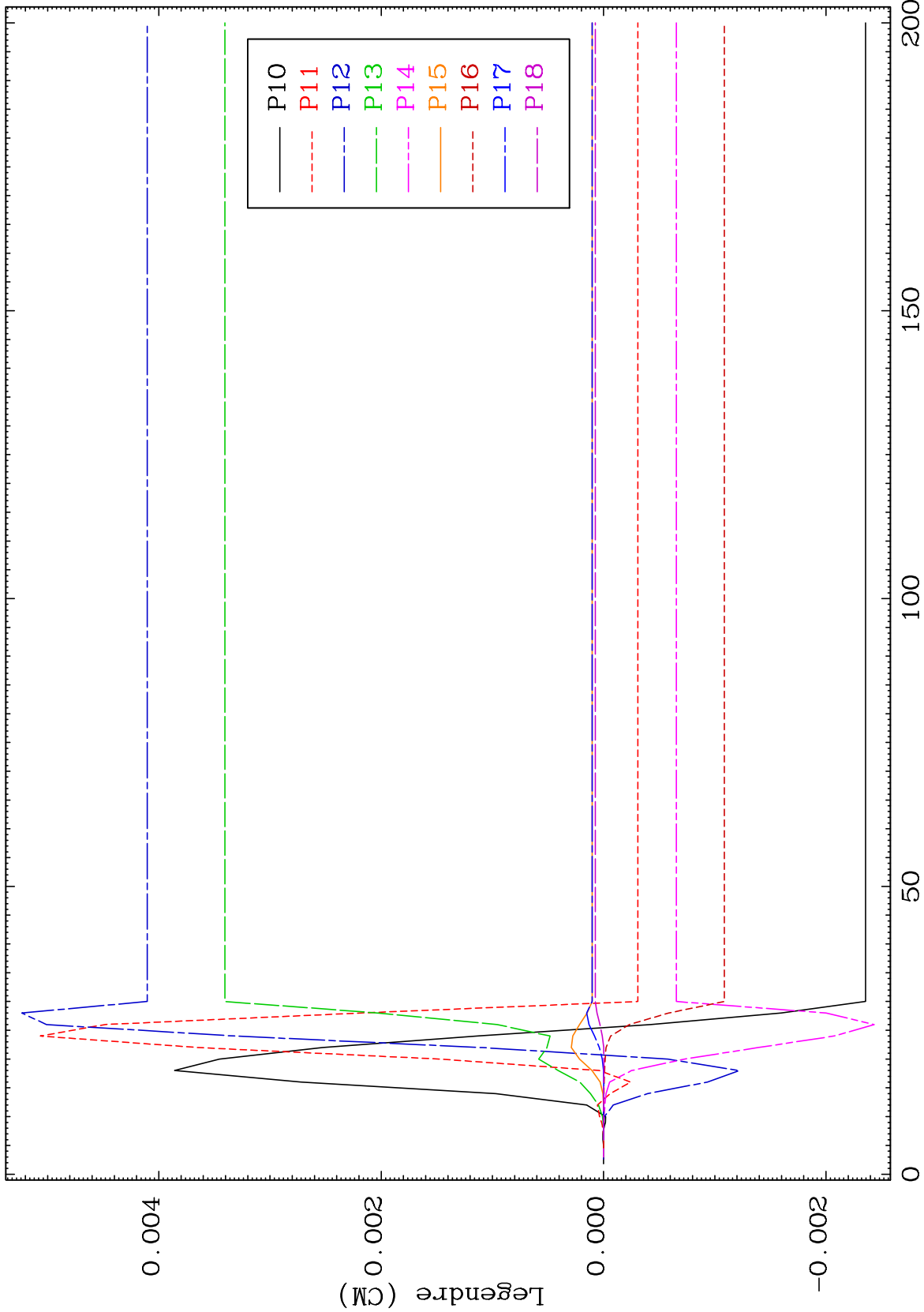
Incident Energy (MeV)

63-Eu-136

MAT 6280

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

63-Eu-136



63-Eu-136

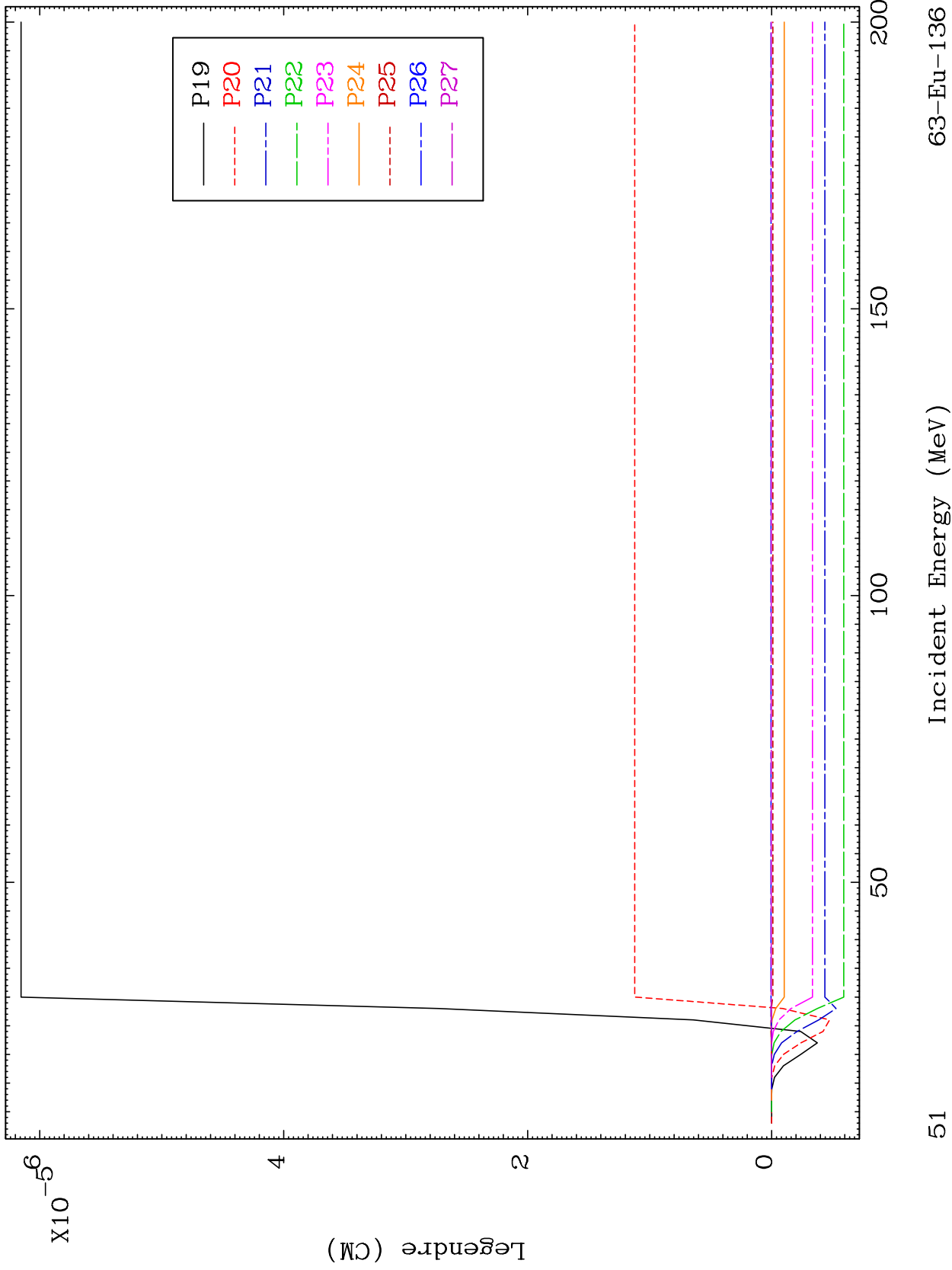
Incident Energy (MeV)

50

MAT 6280

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

63-Eu-136



51

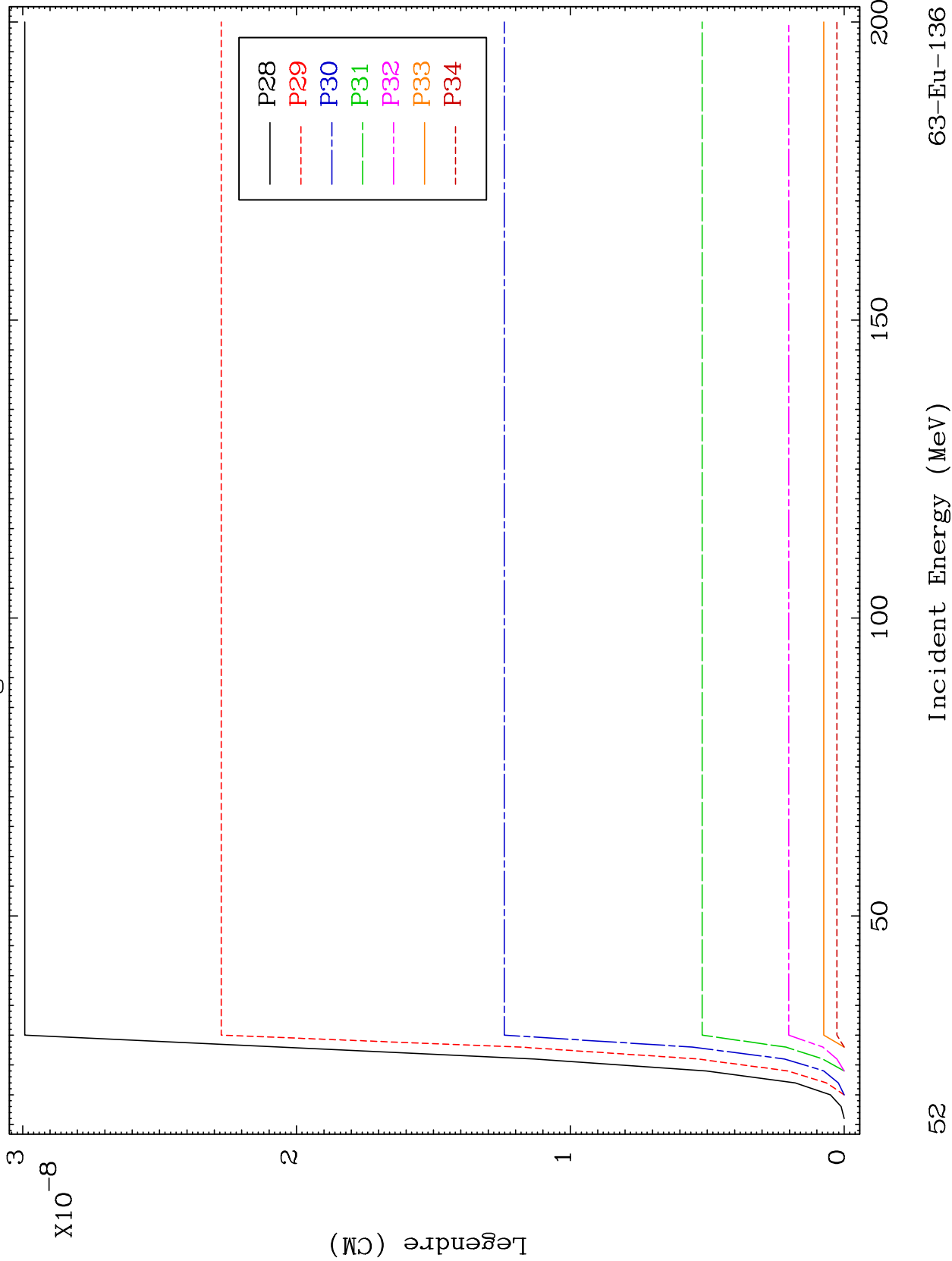
Incident Energy (MeV)

63-Eu-136

MAT 6280

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

63-Eu-136



52

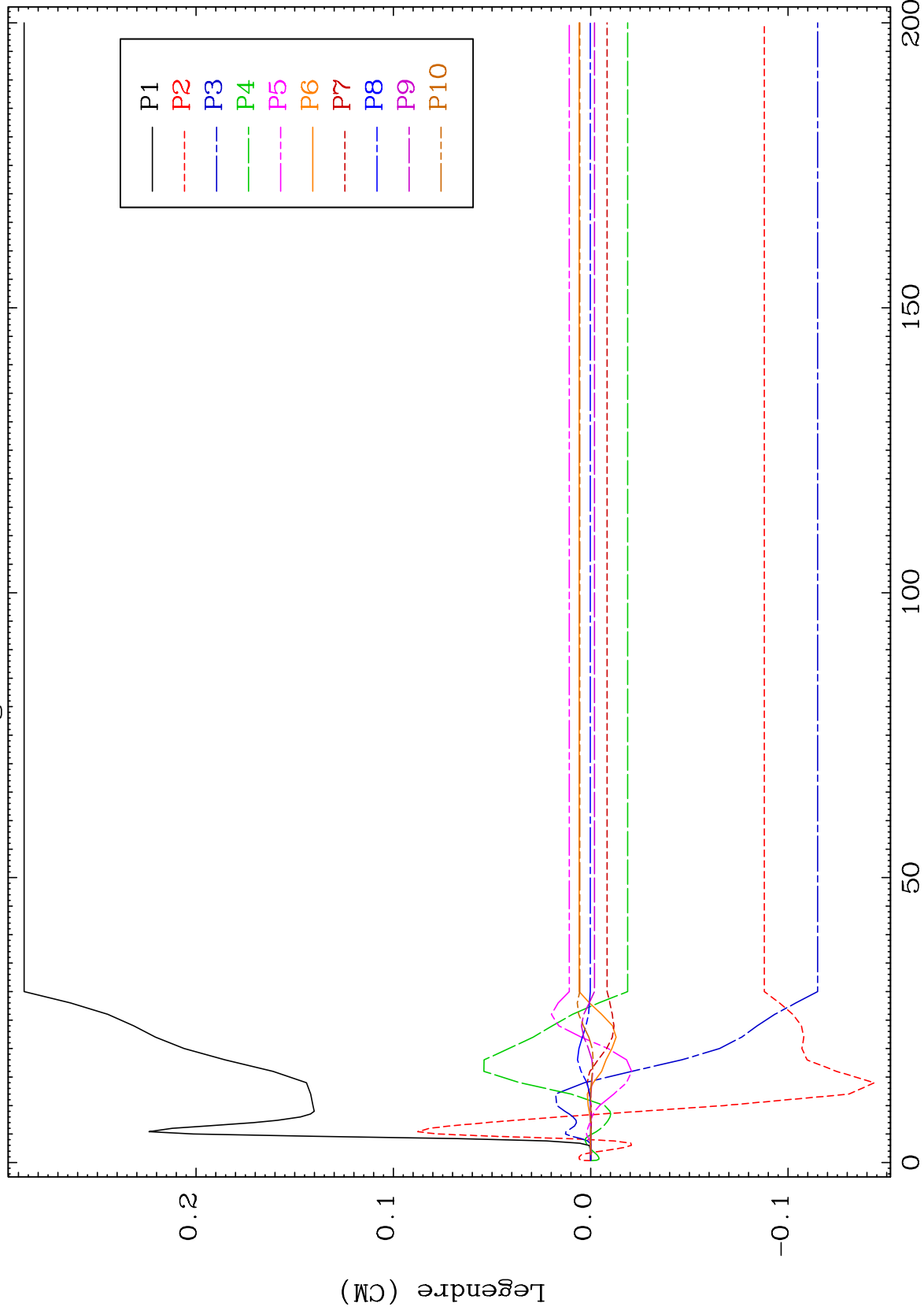
Incident Energy (MeV)

63-Eu-136

MAT 6280

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

63-Eu-136



53

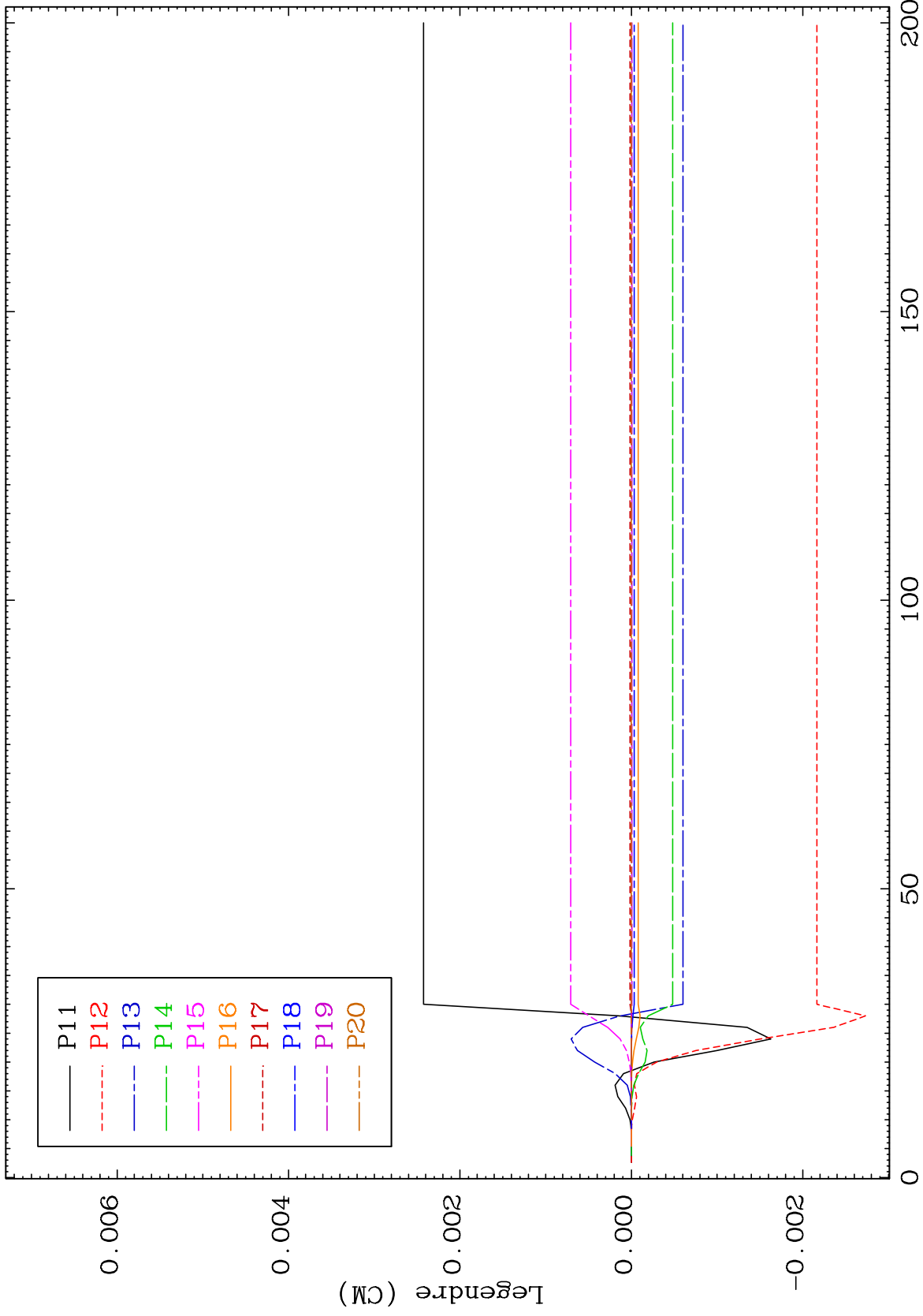
Incident Energy (MeV)

63-Eu-136

MAT 6280

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

63-Eu-136



54

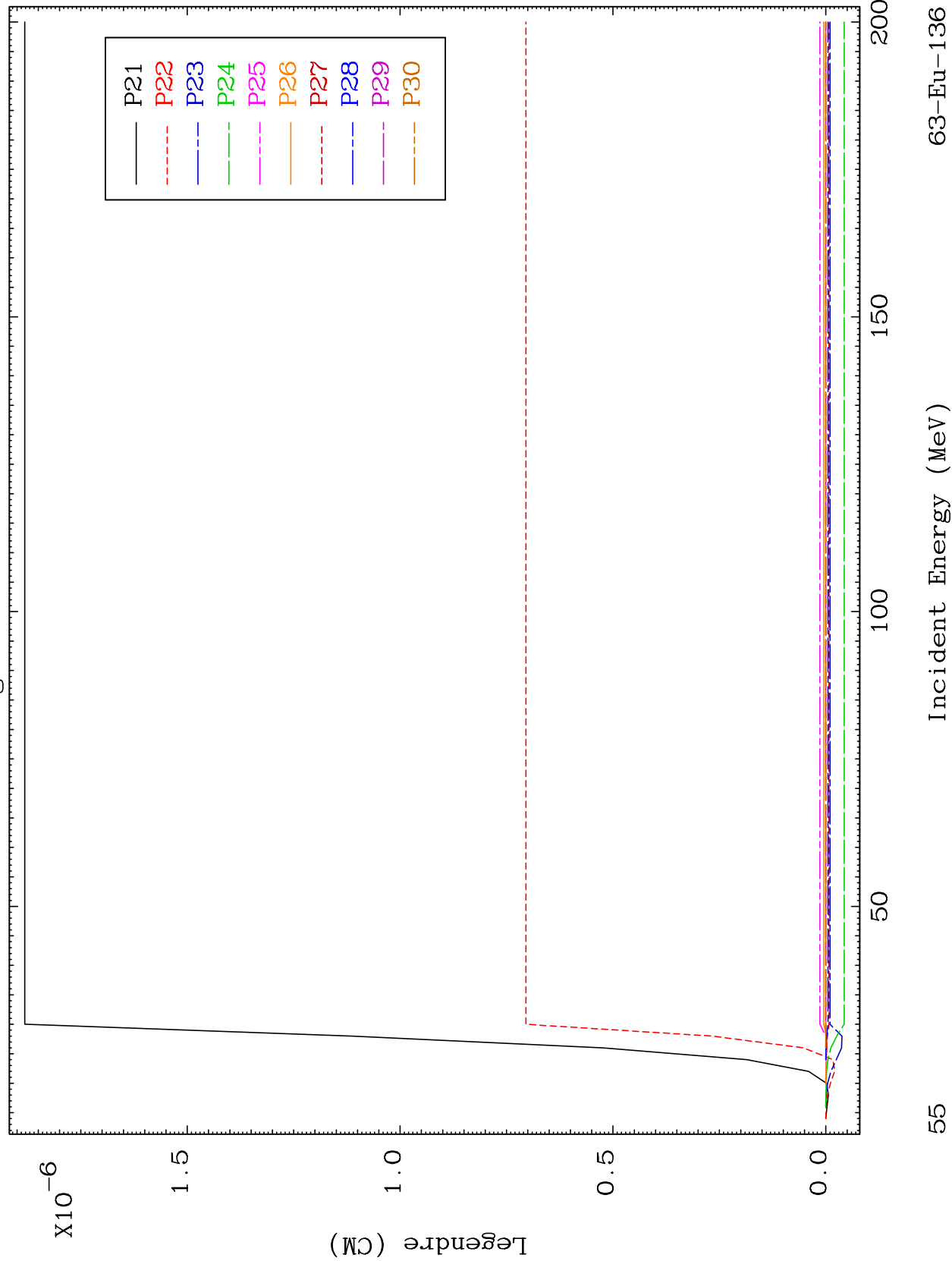
Incident Energy (MeV)

63-Eu-136

MAT 6280

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

63-Eu-136



55

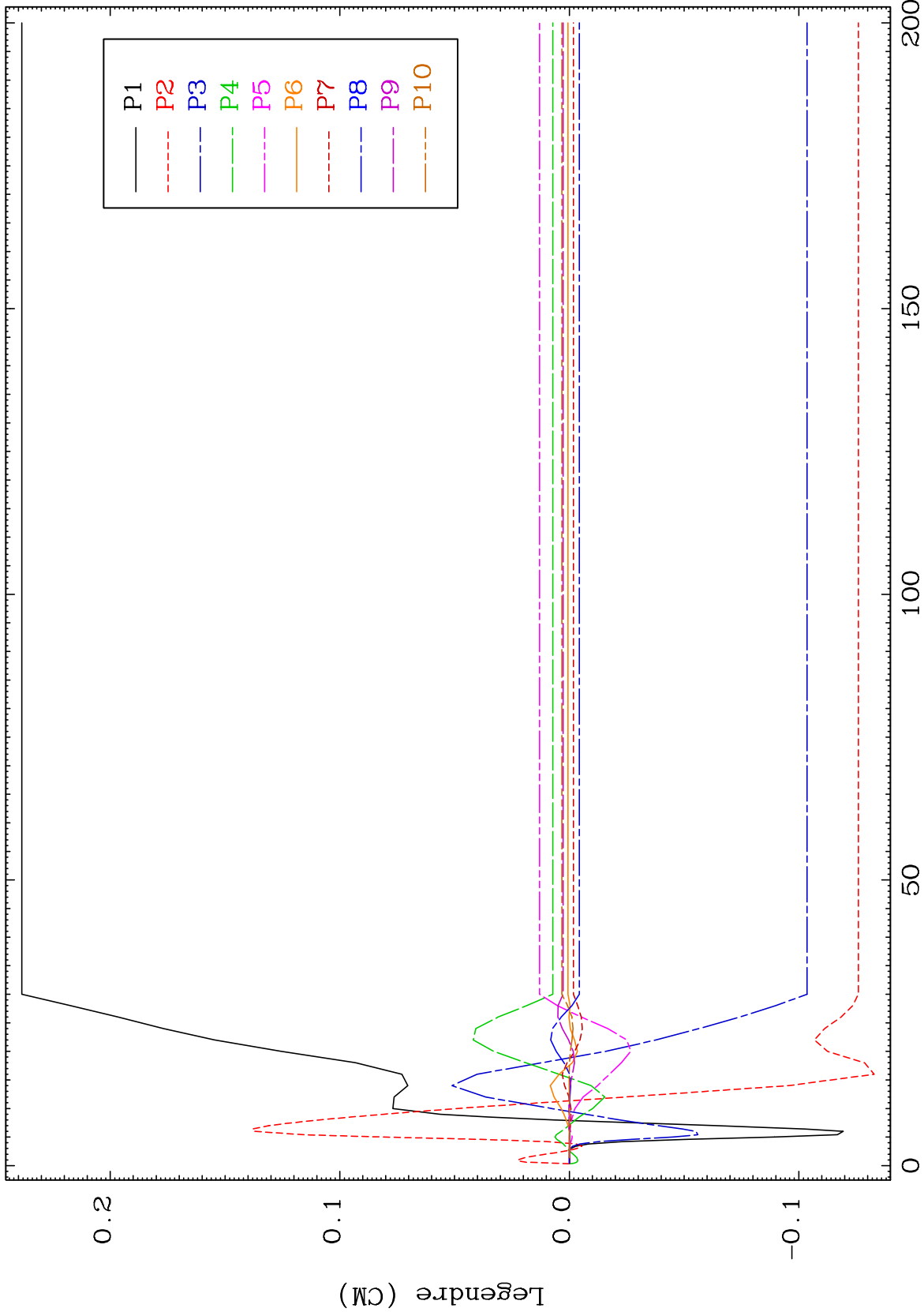
Incident Energy (MeV)

63-Eu-136

MAT 6280

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

63-Eu-136



56

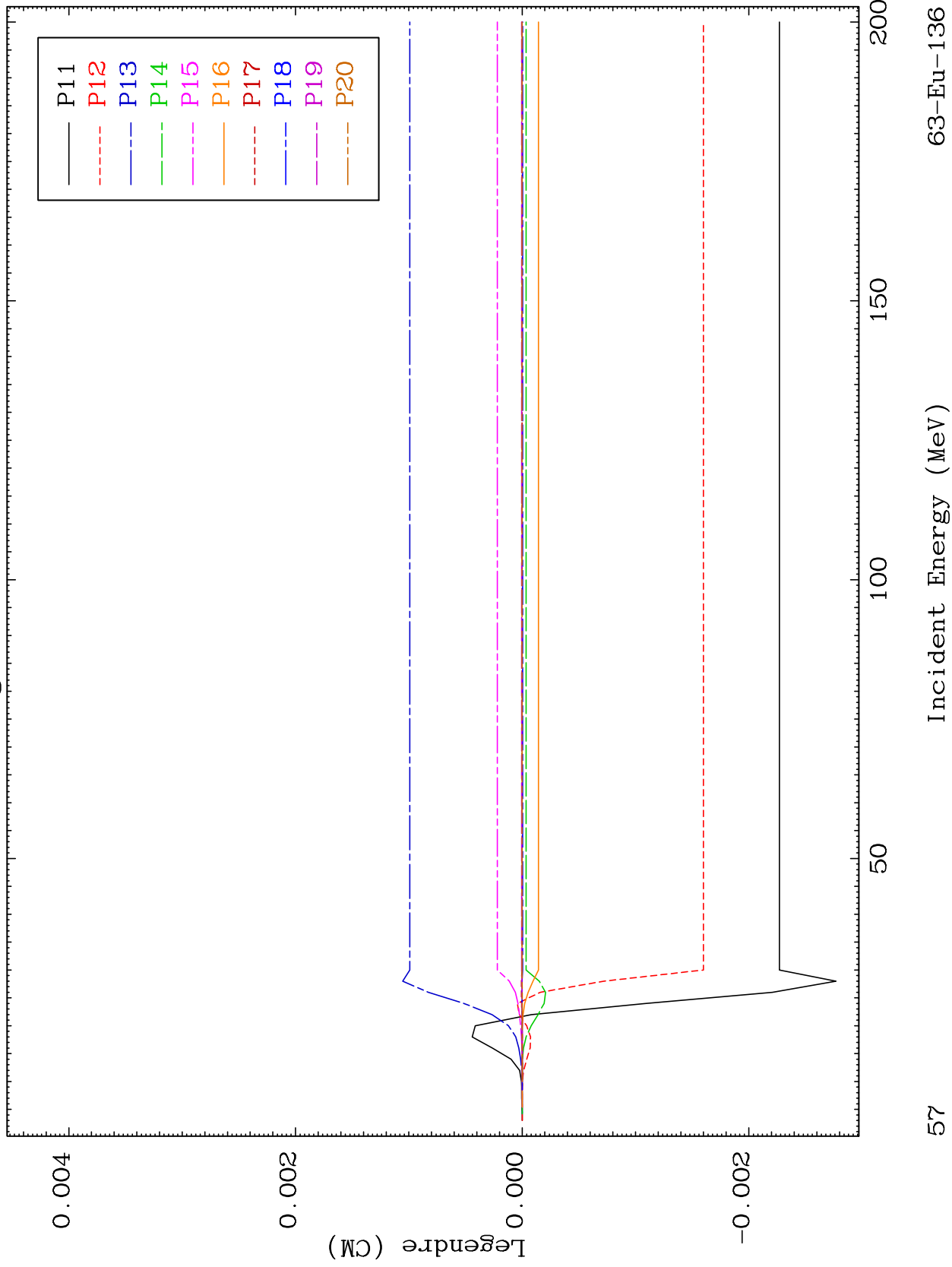
Incident Energy (MeV)

63-Eu-136

MAT 6280

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

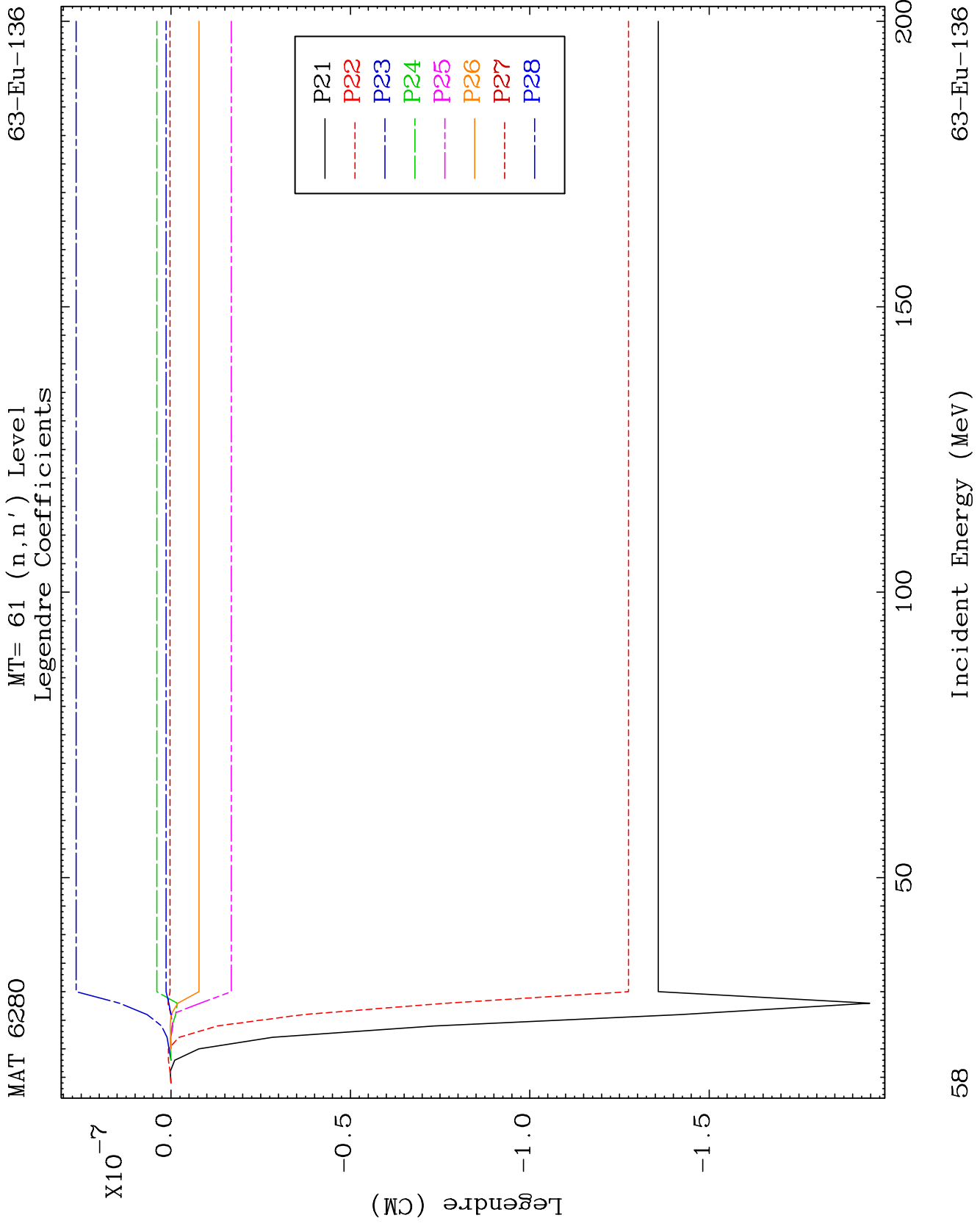
63-Eu-136



57

Incident Energy (MeV)

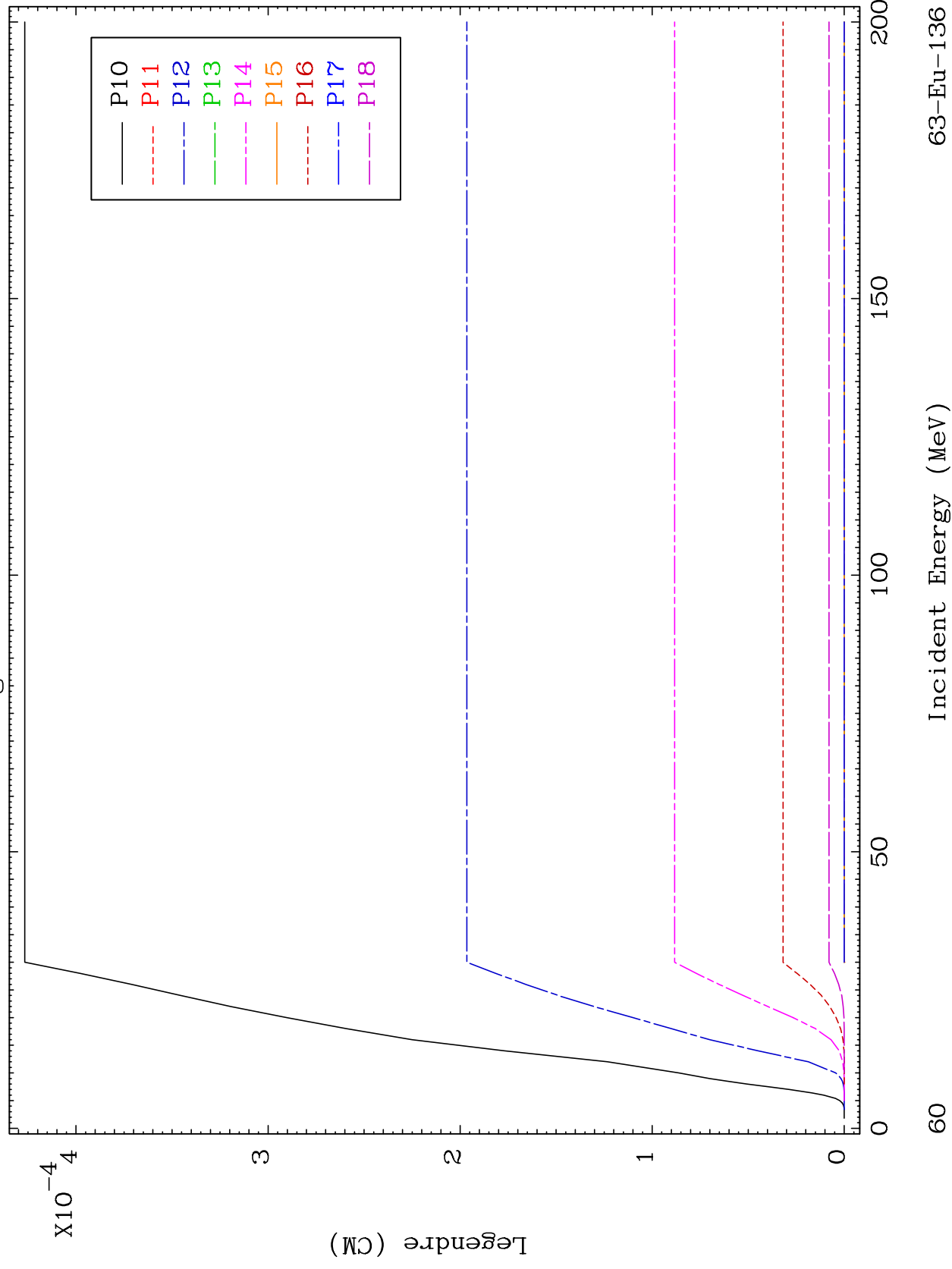
63-Eu-136



MAT 6280

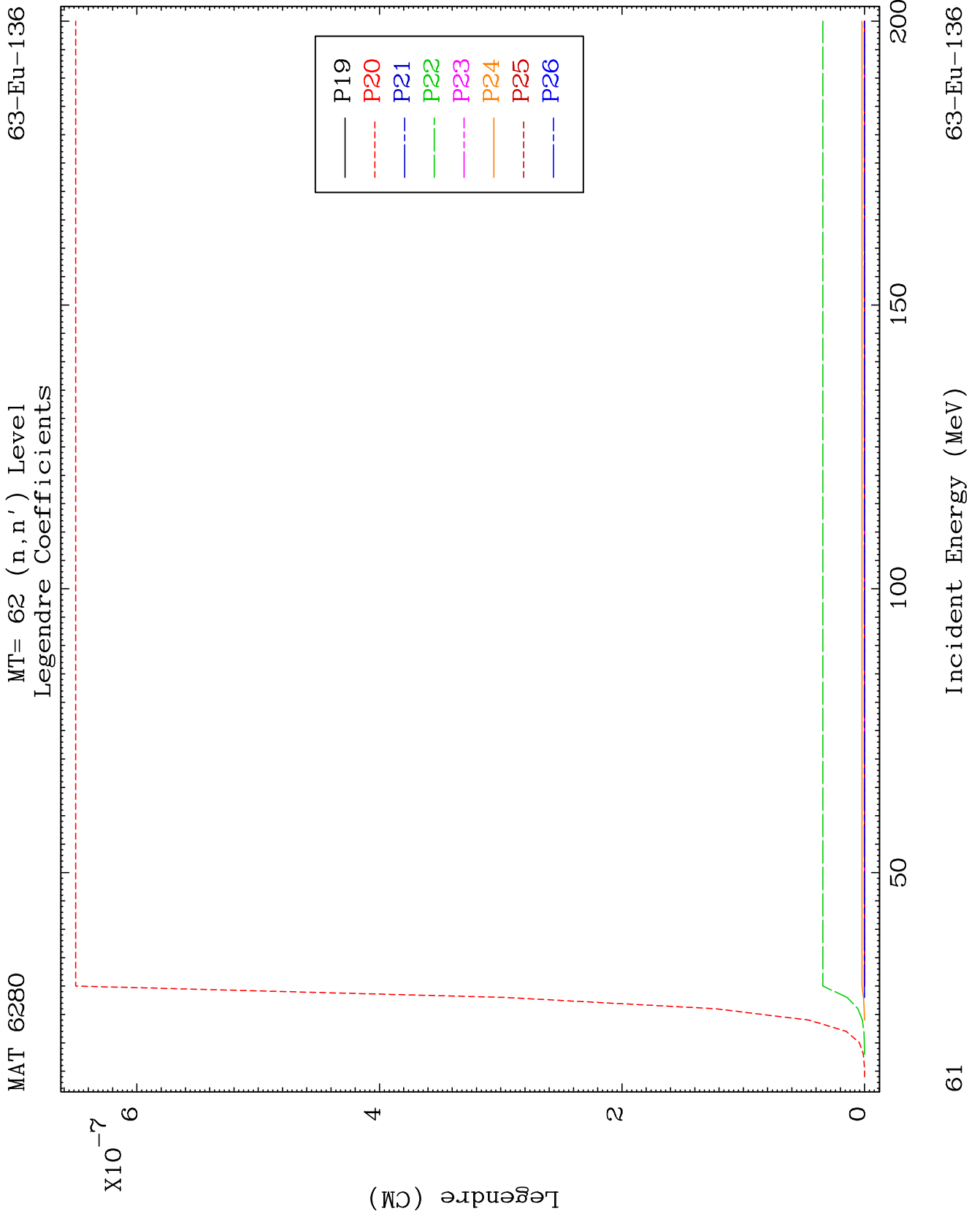
MT= 62 (n,n') Level
Legendre Coefficients

63-Eu-136



63-Eu-136

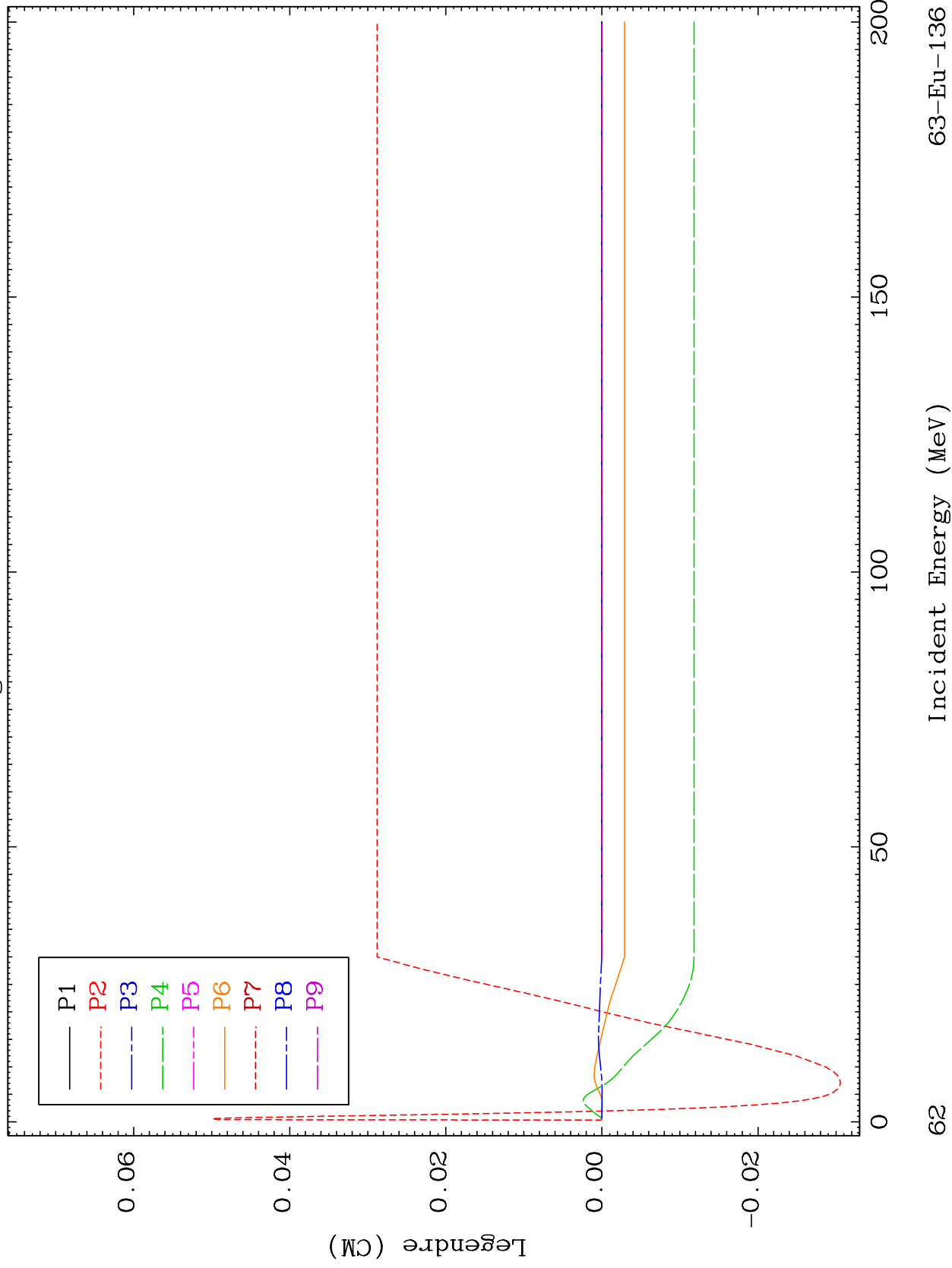
Incident Energy (MeV)



MAT 6280

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

63-Eu-136



63-Eu-136

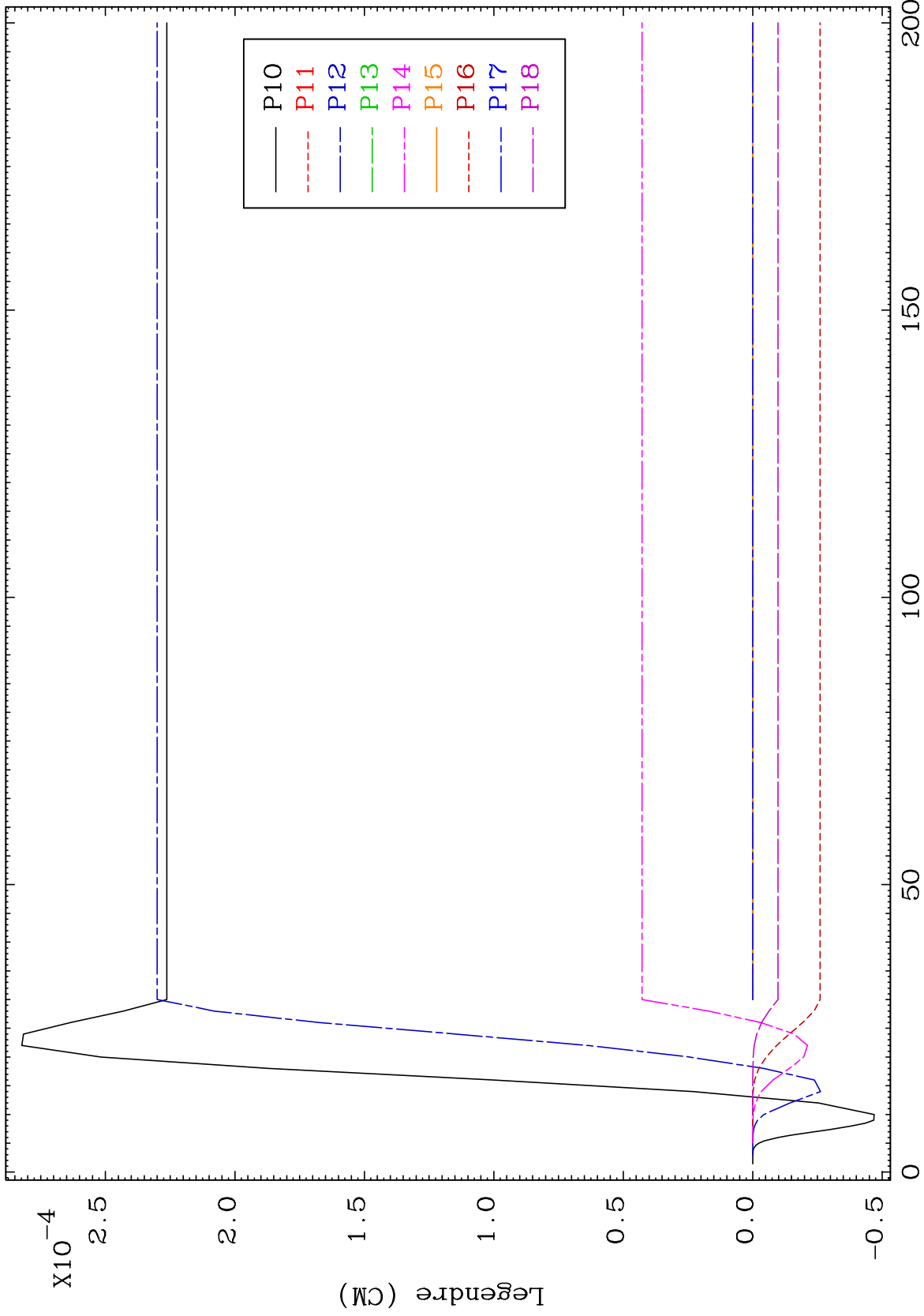
Incident Energy (MeV)

62

MAT 6280

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

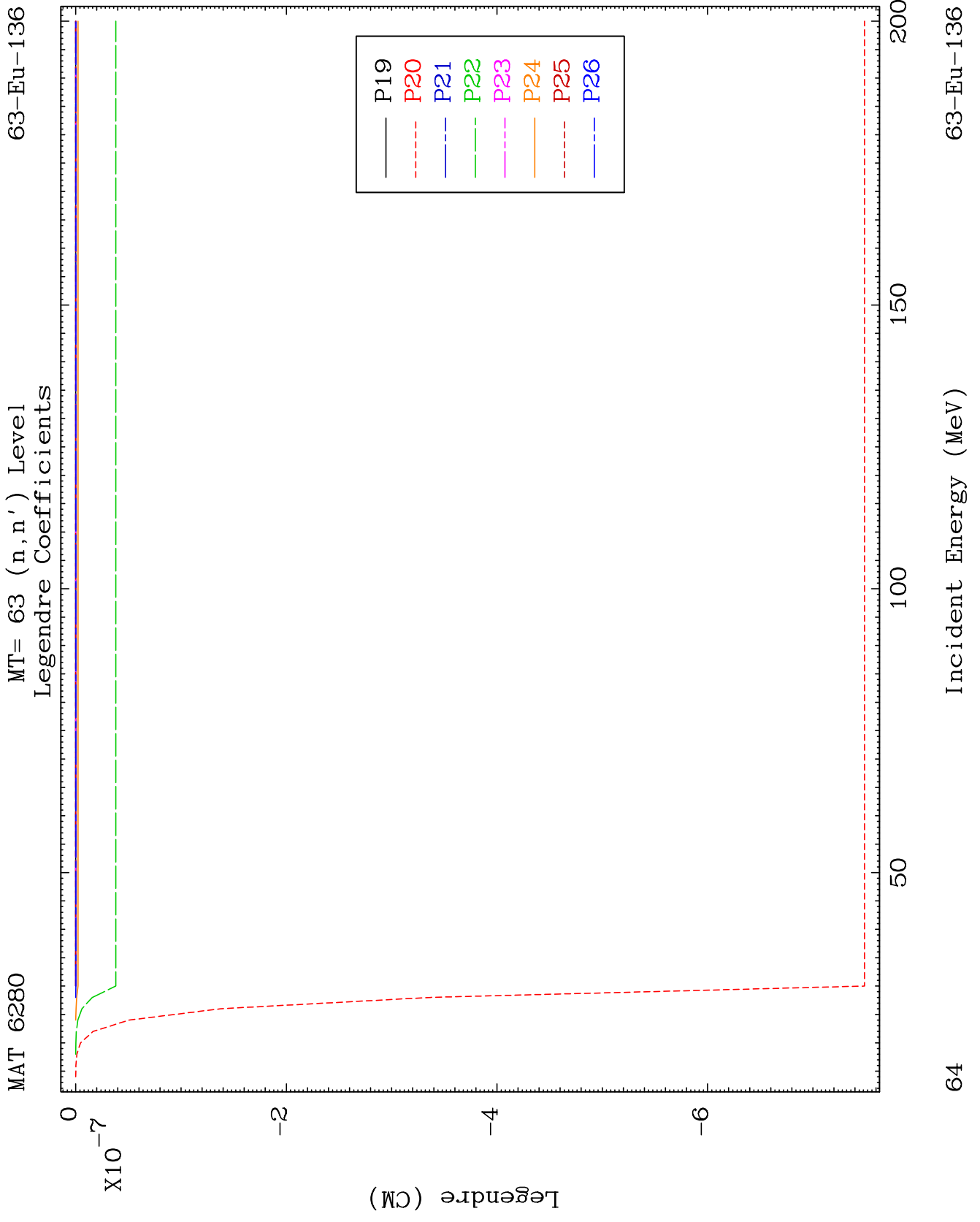
63-Eu-136



63

Incident Energy (MeV)

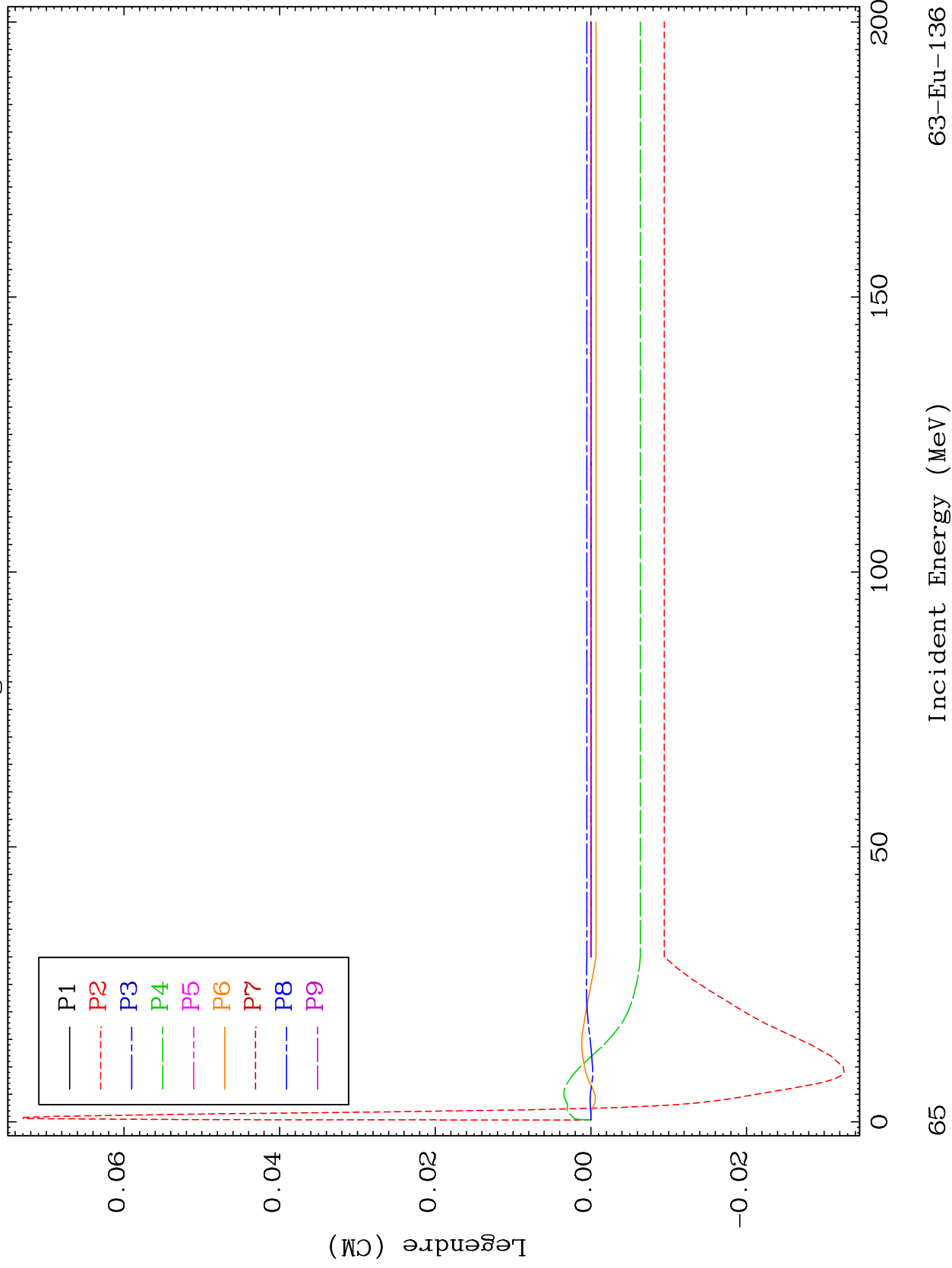
63-Eu-136



MAT 6280

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

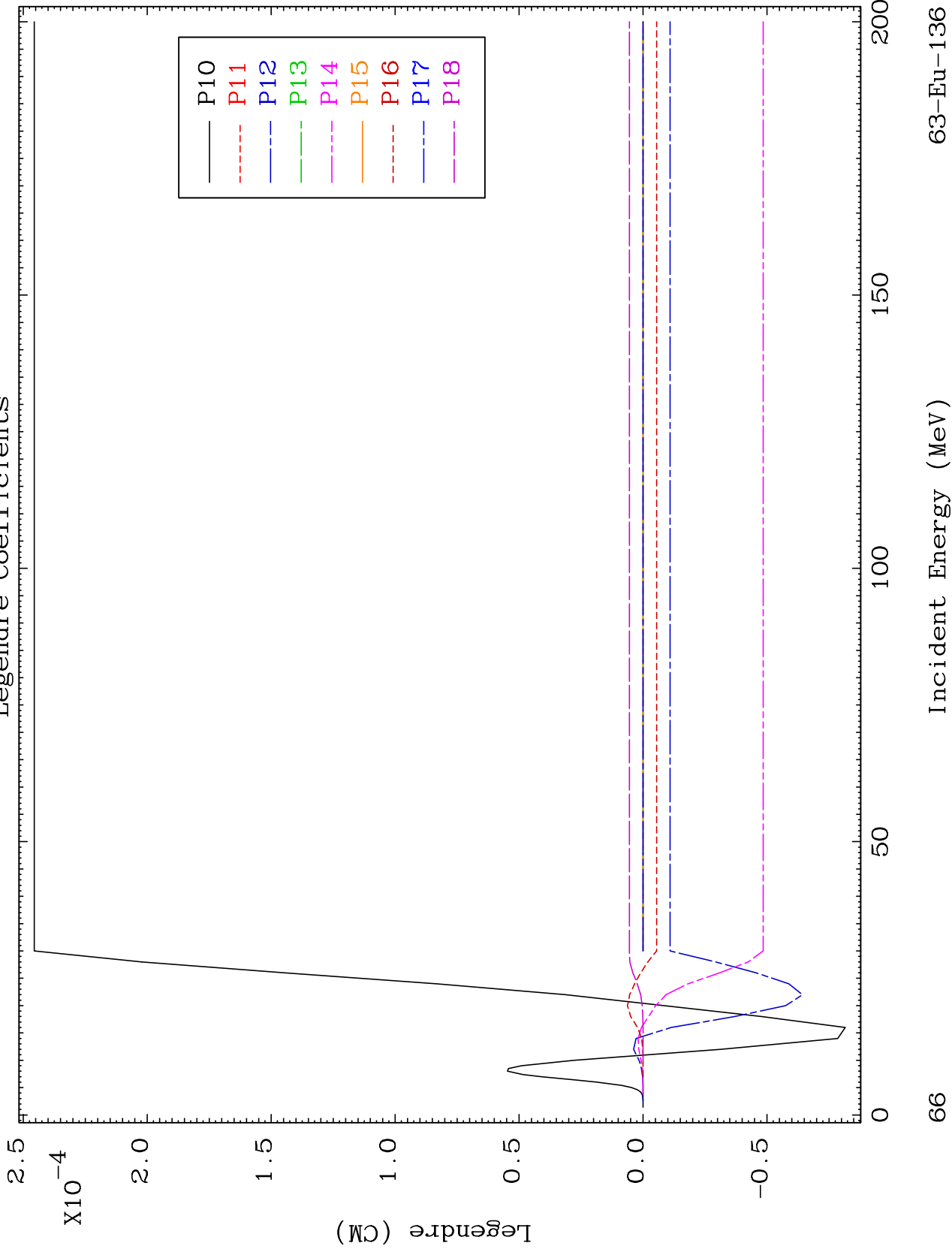
63-Eu-136



63-Eu-136

Incident Energy (MeV)

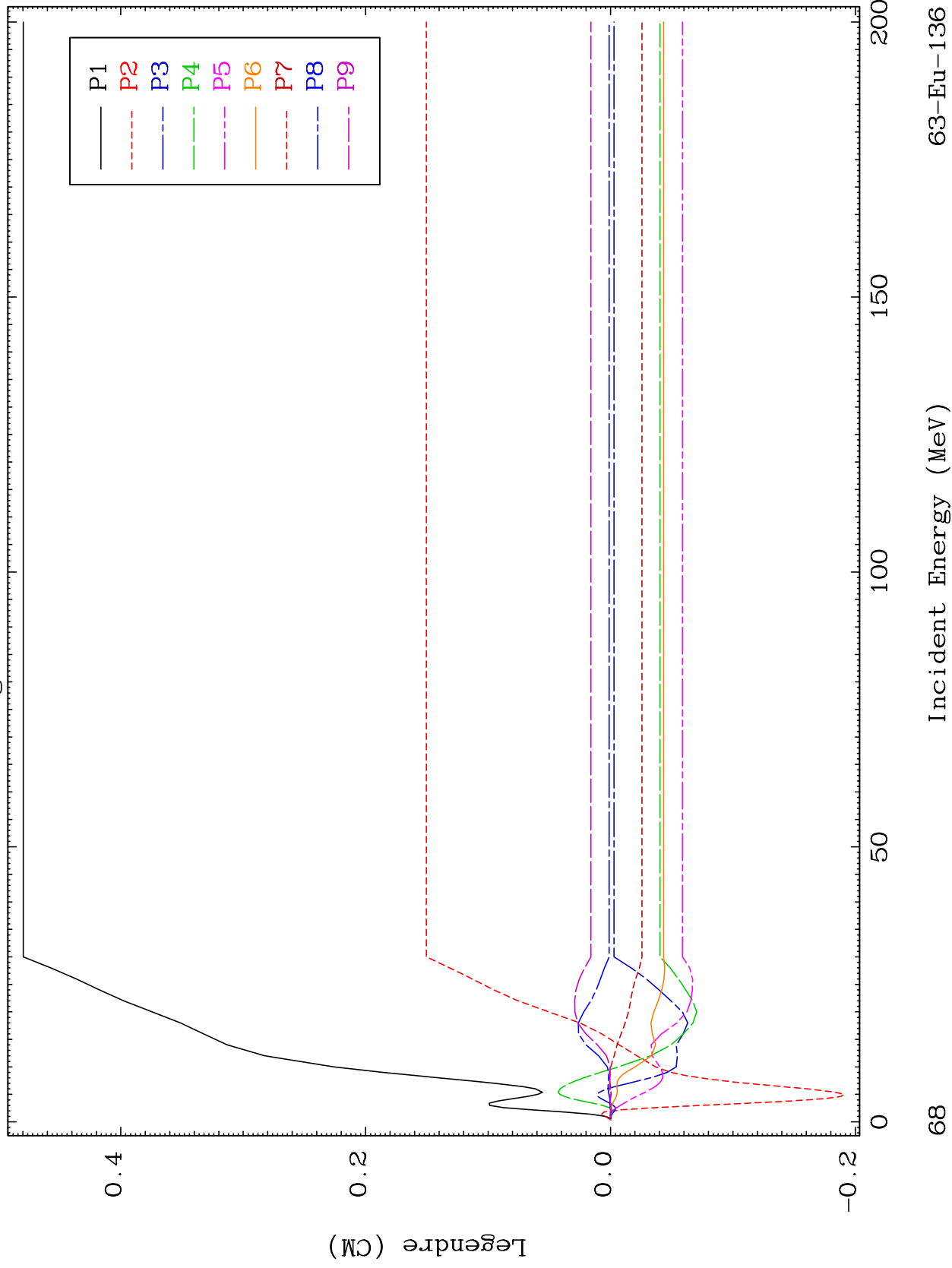
65



MAT 6280

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

63-Eu-136



63-Eu-136

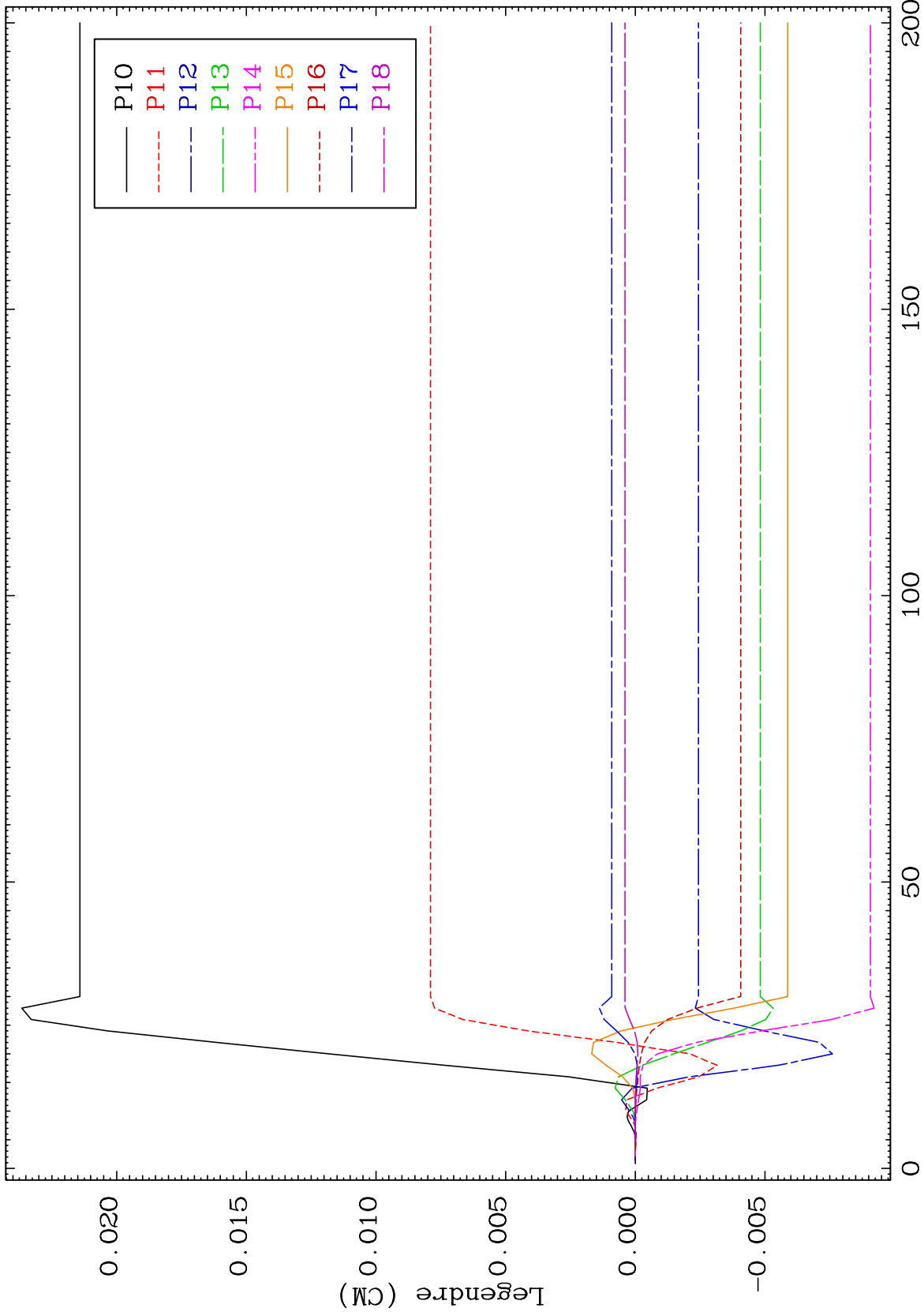
Incident Energy (MeV)

68

MAT 6280

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

63-Eu-136



69

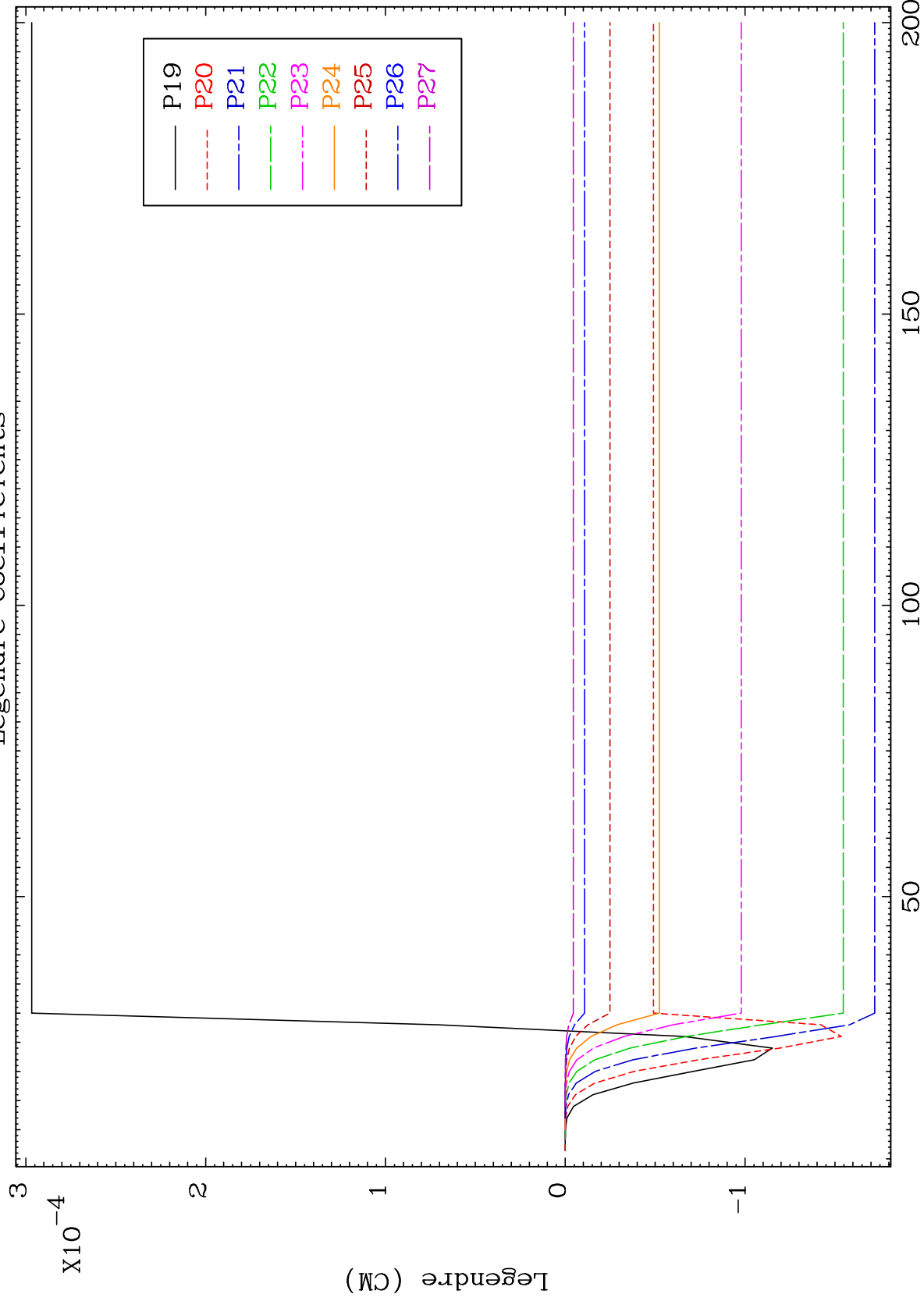
Incident Energy (MeV)

63-Eu-136

MAT 6280

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

63-Eu-136



70

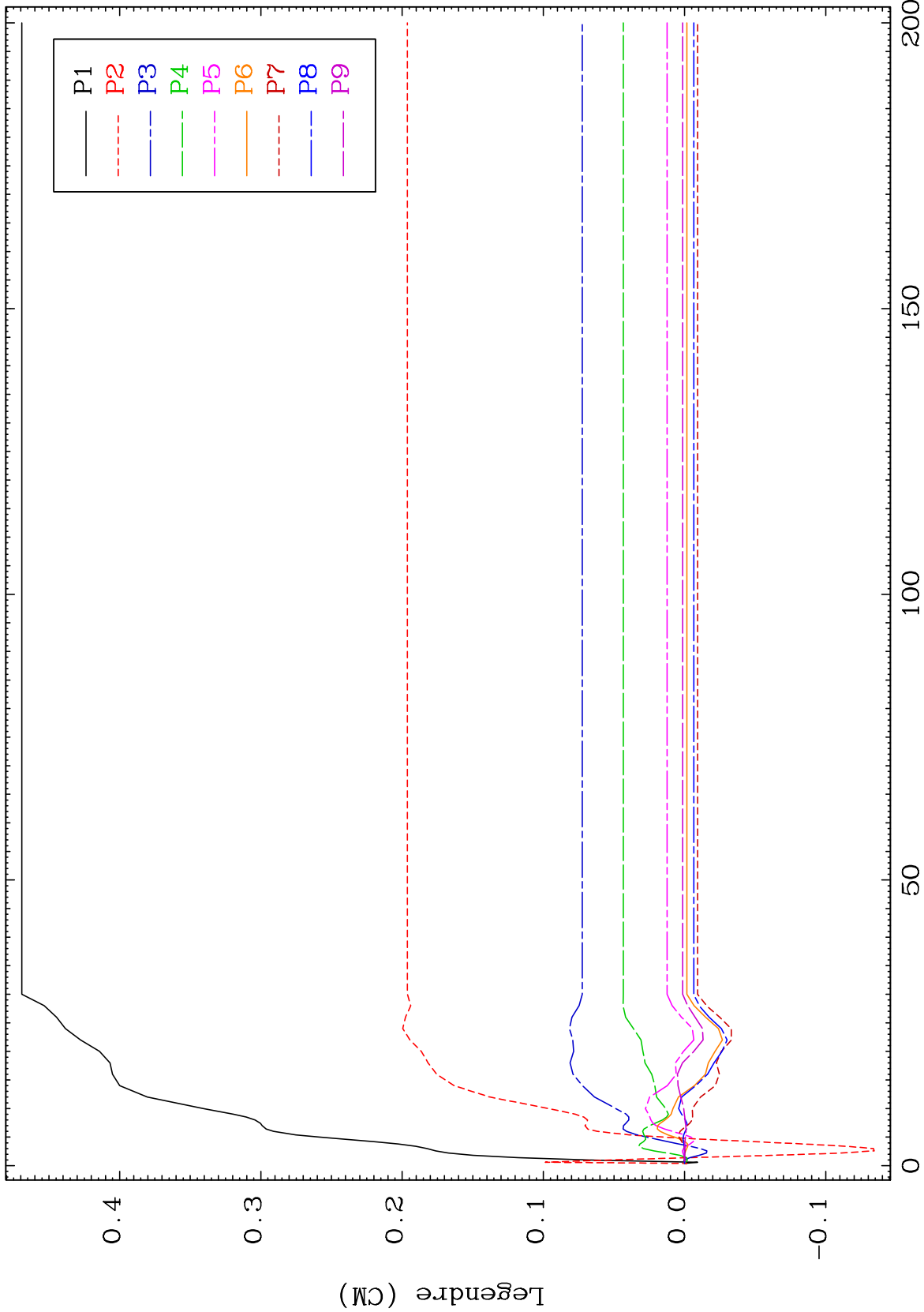
Incident Energy (MeV)

63-Eu-136

MAT 6280

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

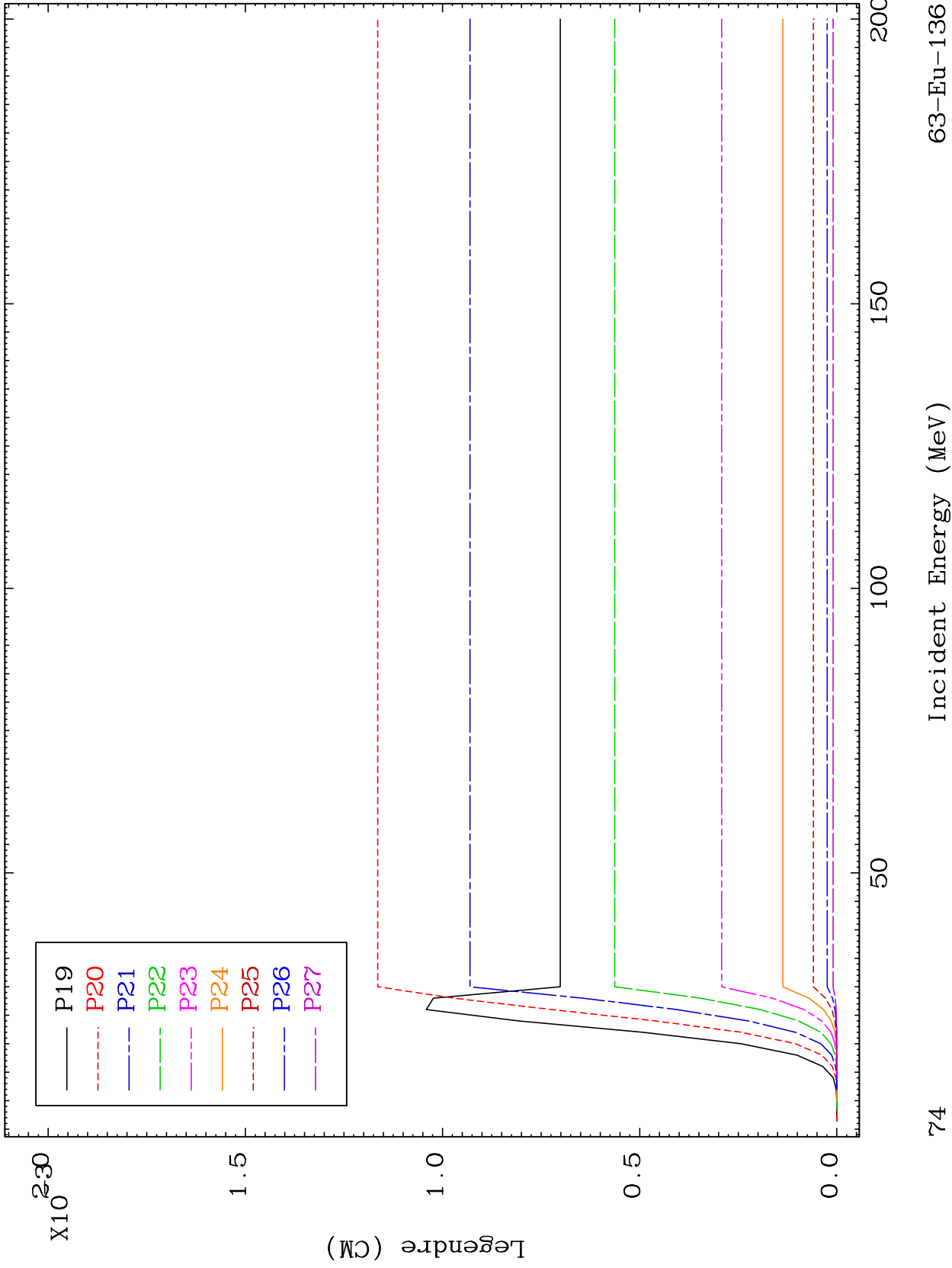
63-Eu-136



72

Incident Energy (MeV)

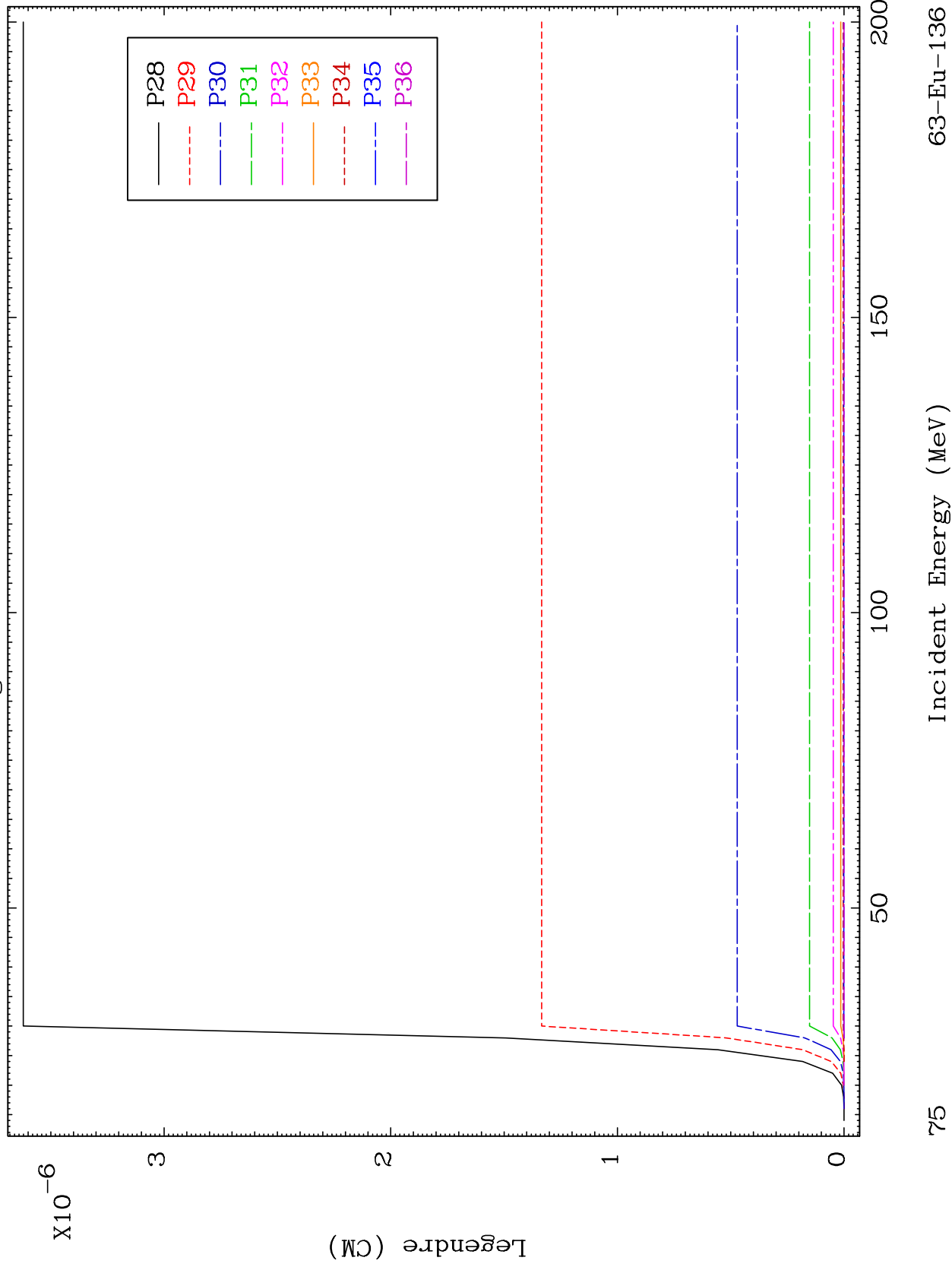
63-Eu-136



MAT 6280

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

63-Eu-136



75

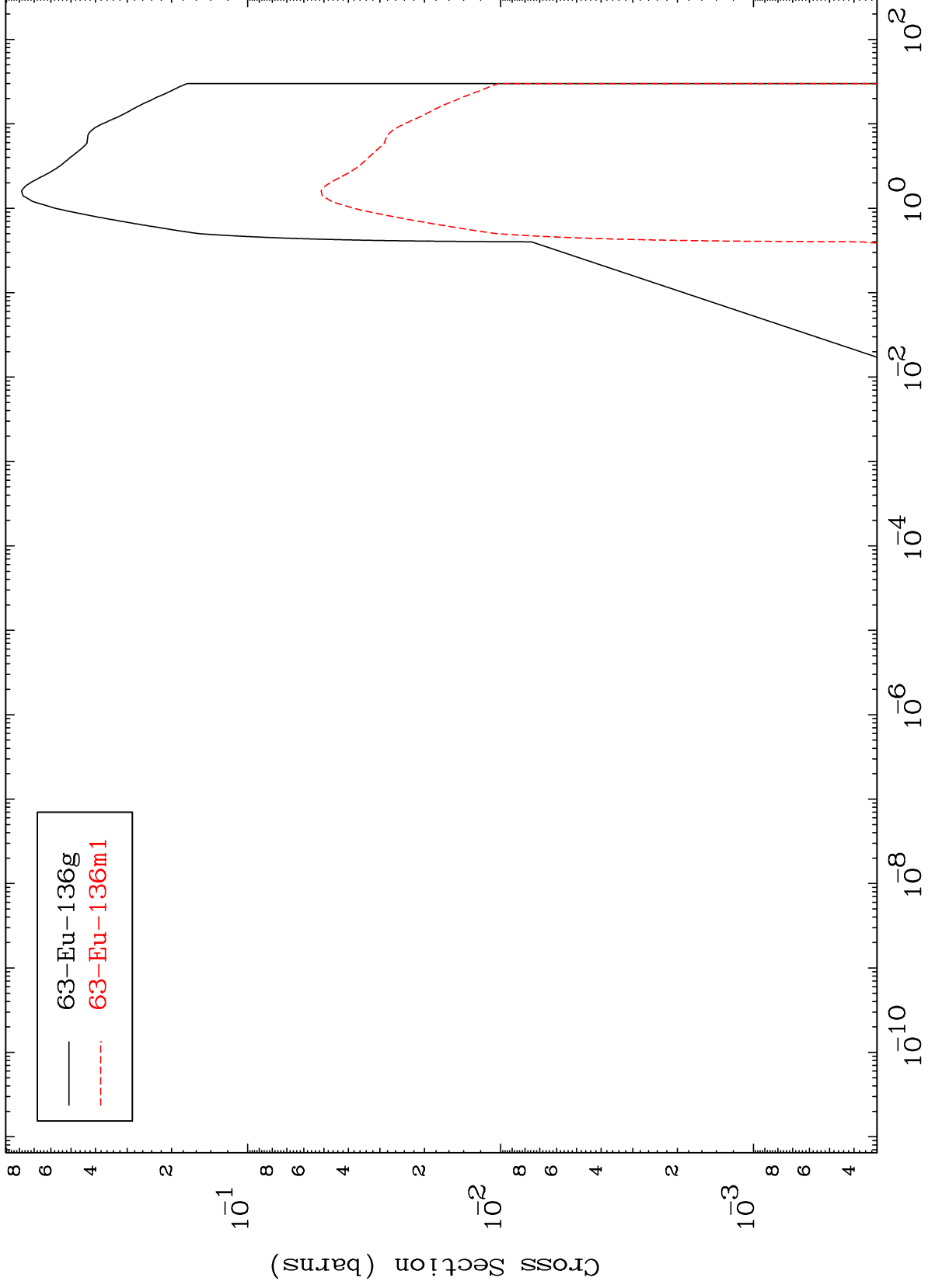
Incident Energy (MeV)

63-Eu-136

MAT 6280

Radionuclide Production Cross Section

63-Eu-136



76

Incident Energy (MeV)

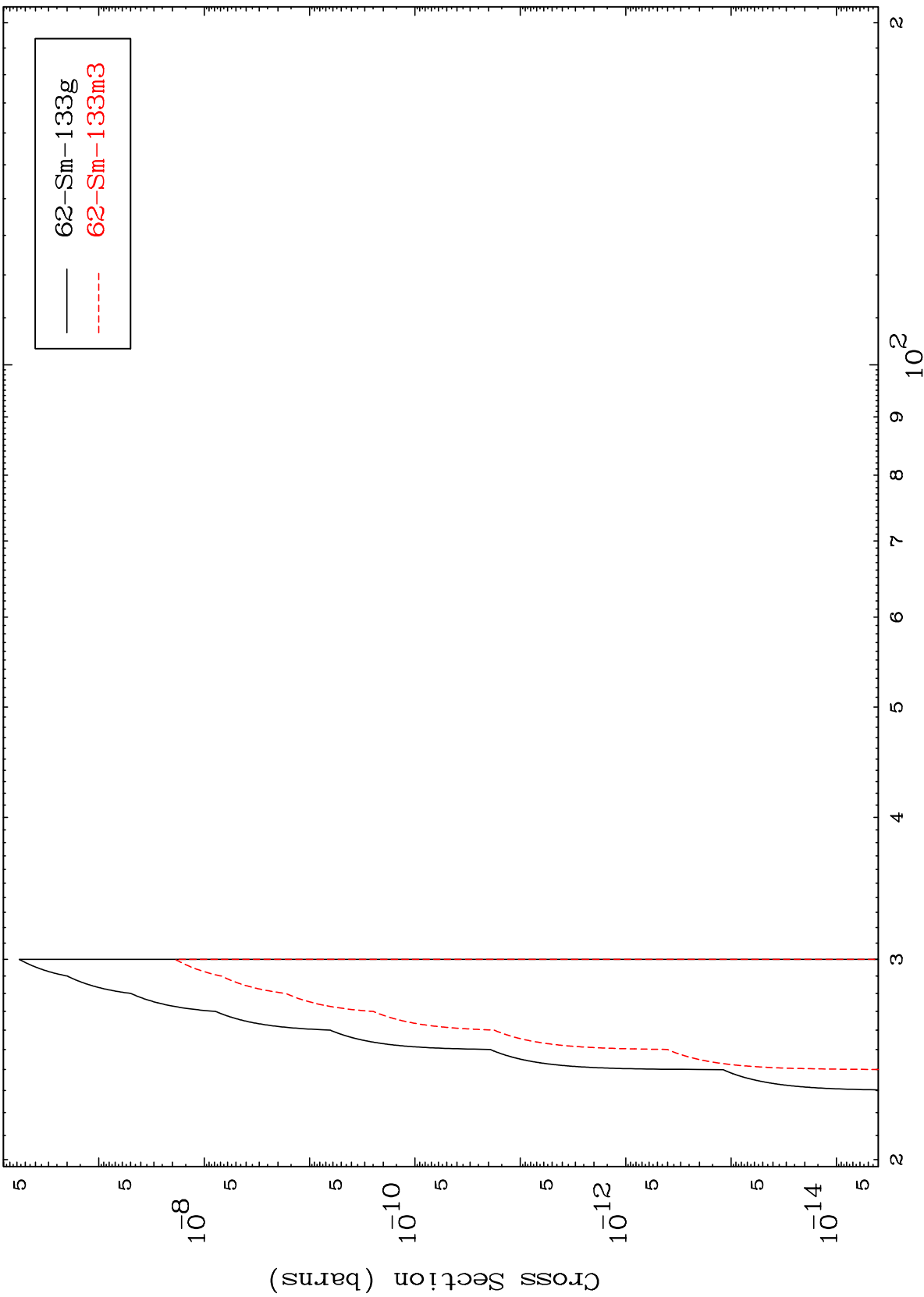
63-Eu-136

MAT 6280

(n,2n) d

63-Eu-136

Radionuclide Production Cross Section



62-Sm-133g
62-Sm-133m3

77

Incident Energy (MeV)

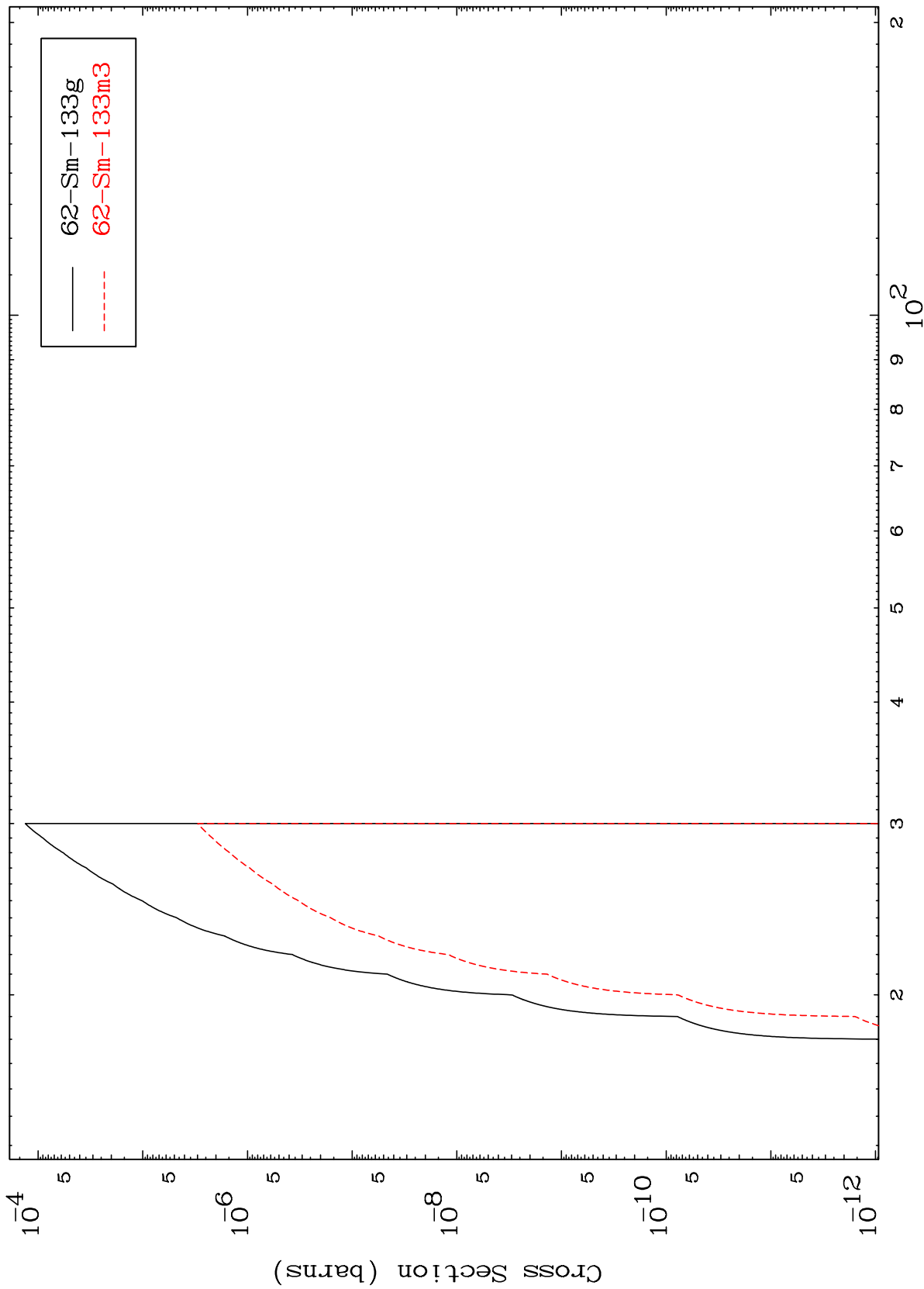
63-Eu-136

MAT 6280

(n,n') t

63-Eu-136

Radionuclide Production Cross Section



78

Incident Energy (MeV)

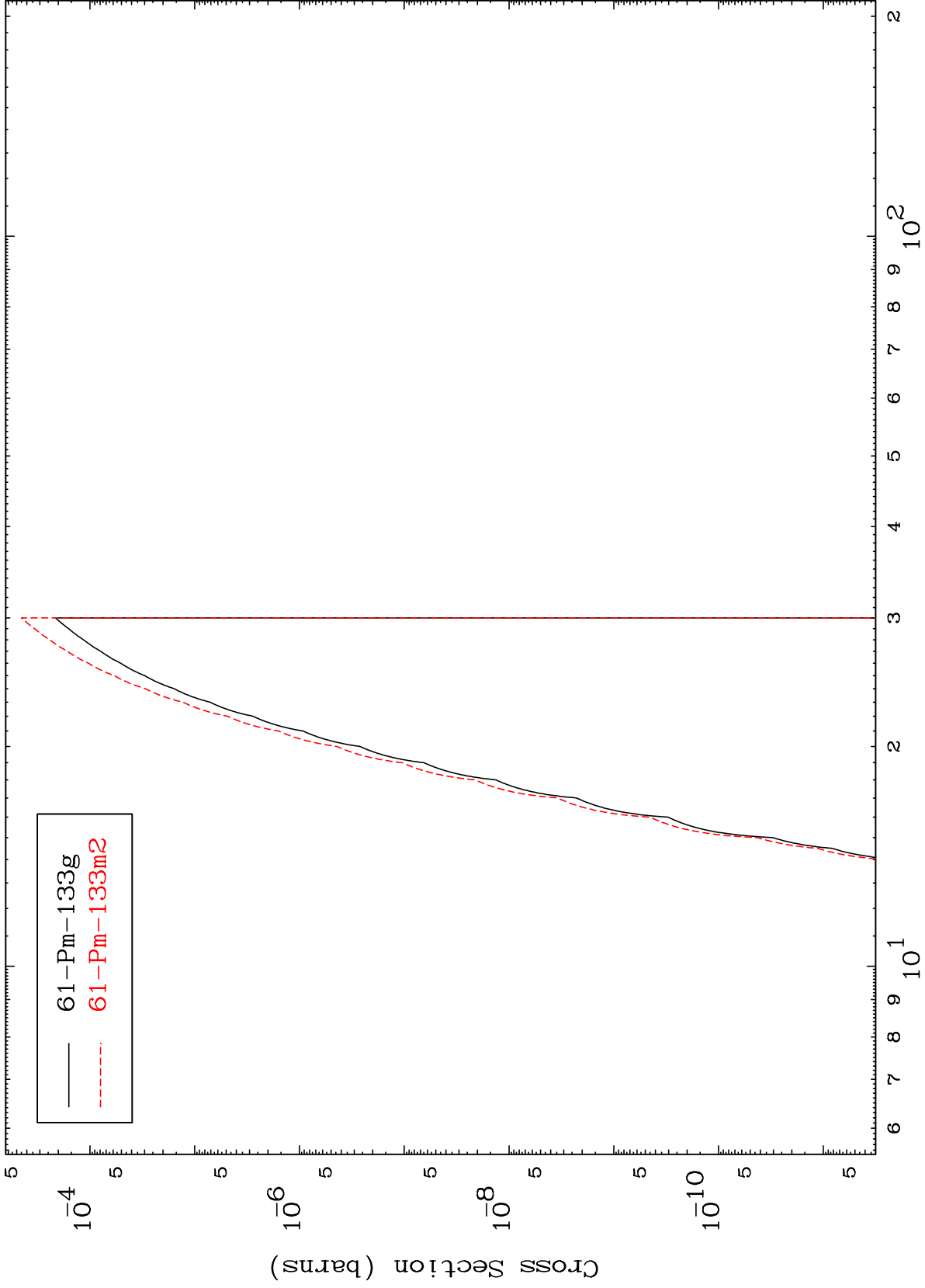
63-Eu-136

MAT 6280

(n,n') He-3

63-Eu-136

Radionuclide Production Cross Section



79

Incident Energy (MeV)

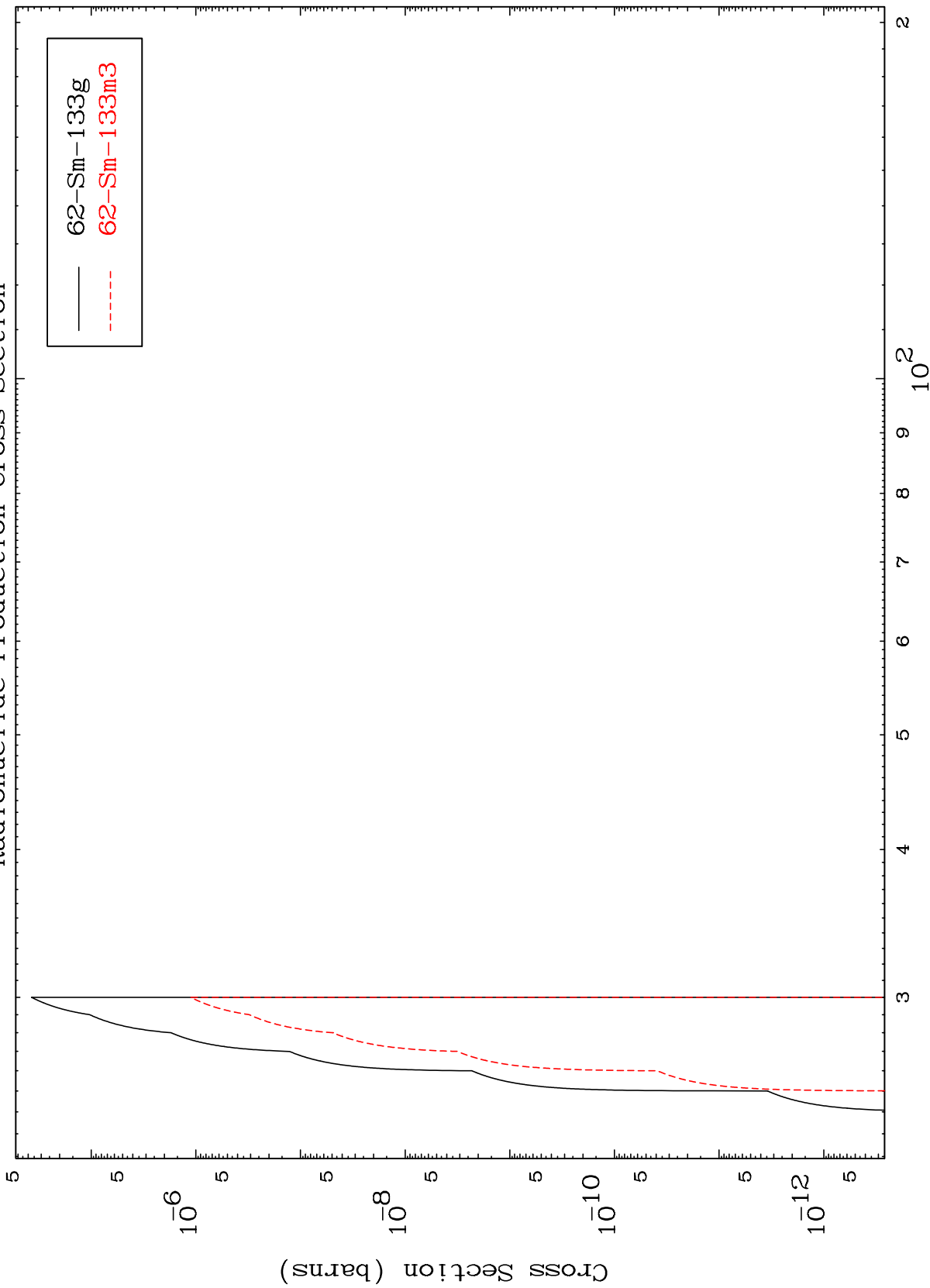
63-Eu-136

MAT 6280

(n,3n) p

63-Eu-136

Radionuclide Production Cross Section



62-Sm-133g
62-Sm-133m3

80

Incident Energy (MeV)

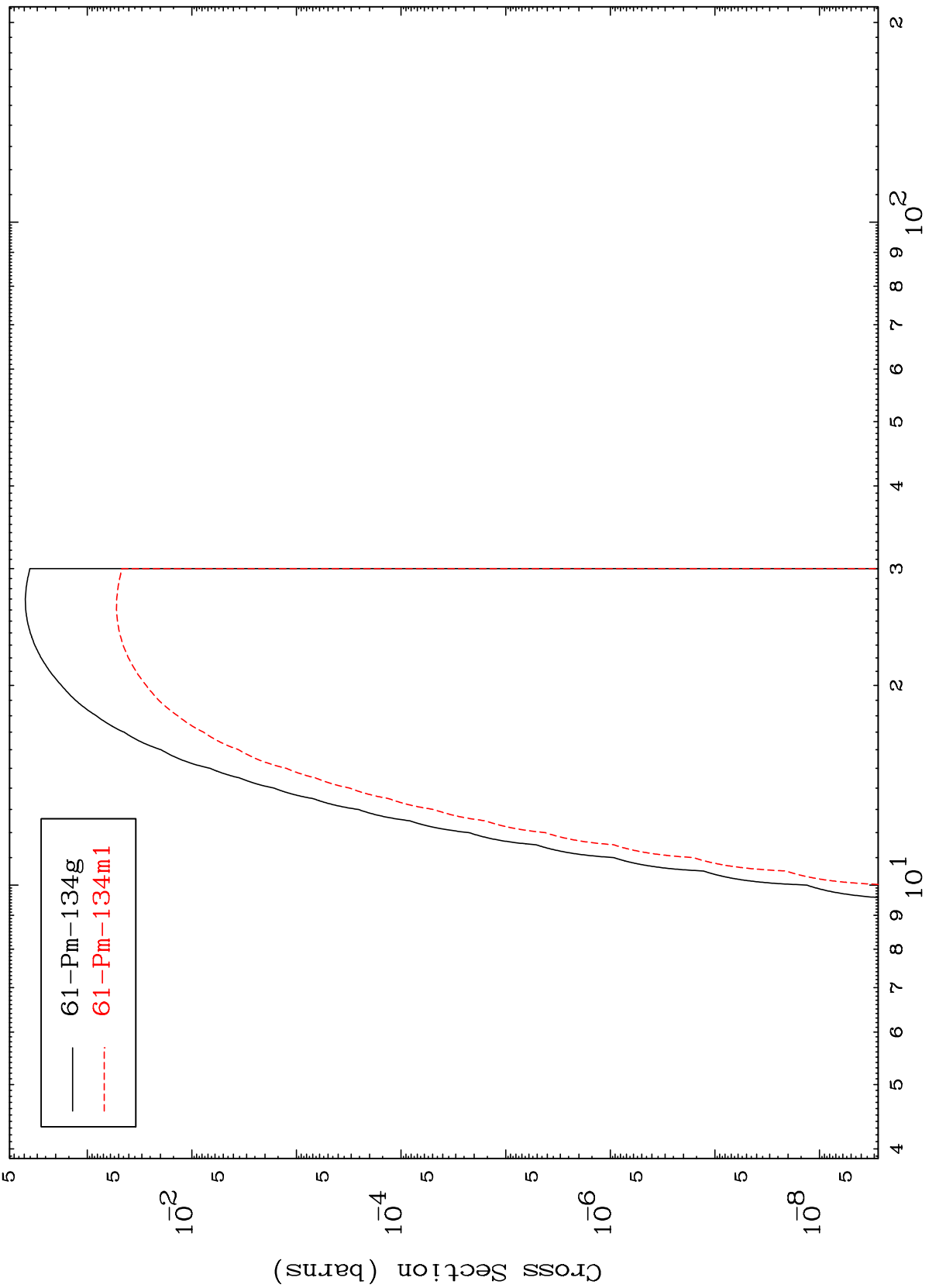
63-Eu-136

MAT 6280

(n,2n) p

63-Eu-136

Radionuclide Production Cross Section



81

Incident Energy (MeV)

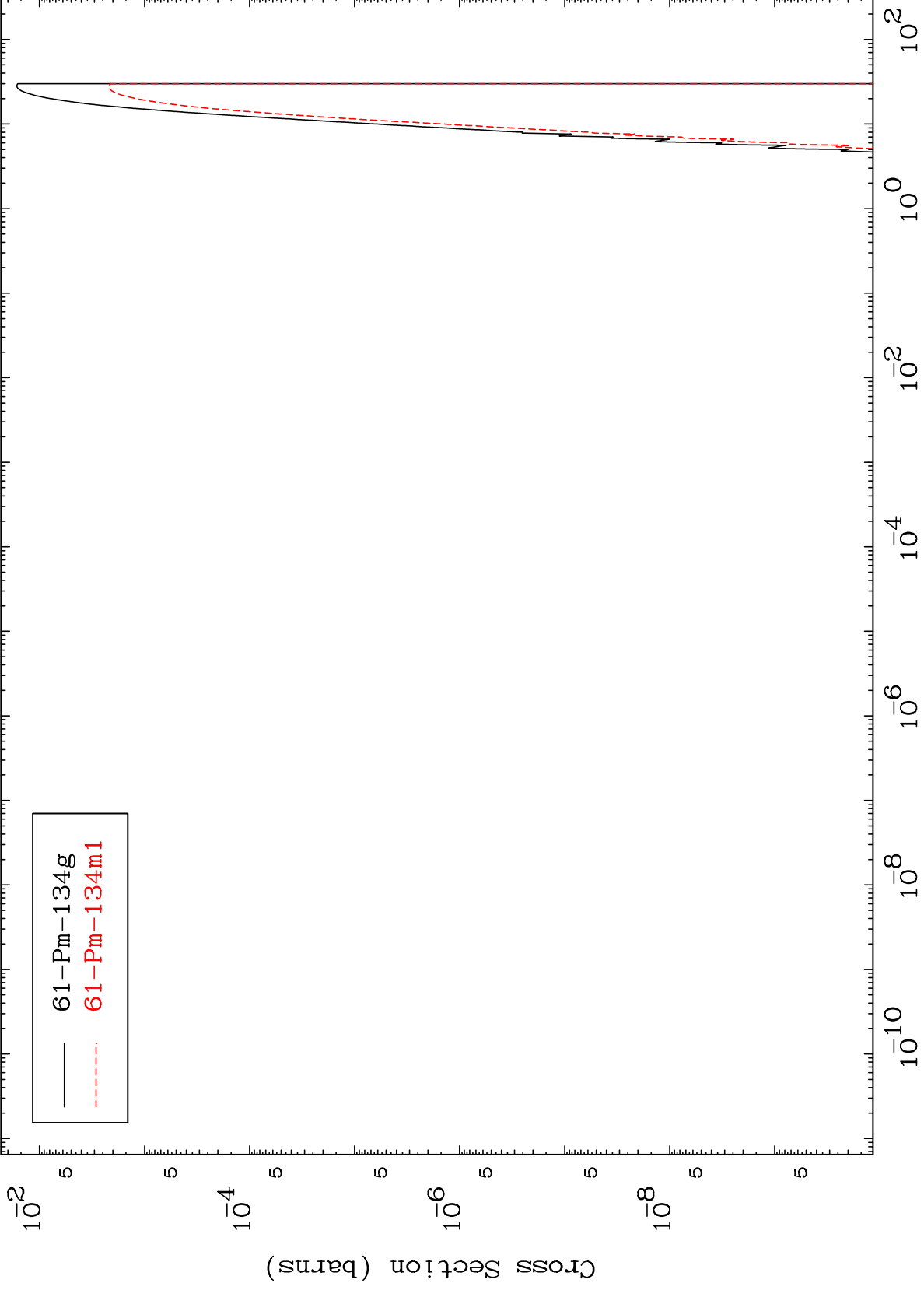
63-Eu-136

MAT 6280

(n,He-3)

63-Eu-136

Radionuclide Production Cross Section



82

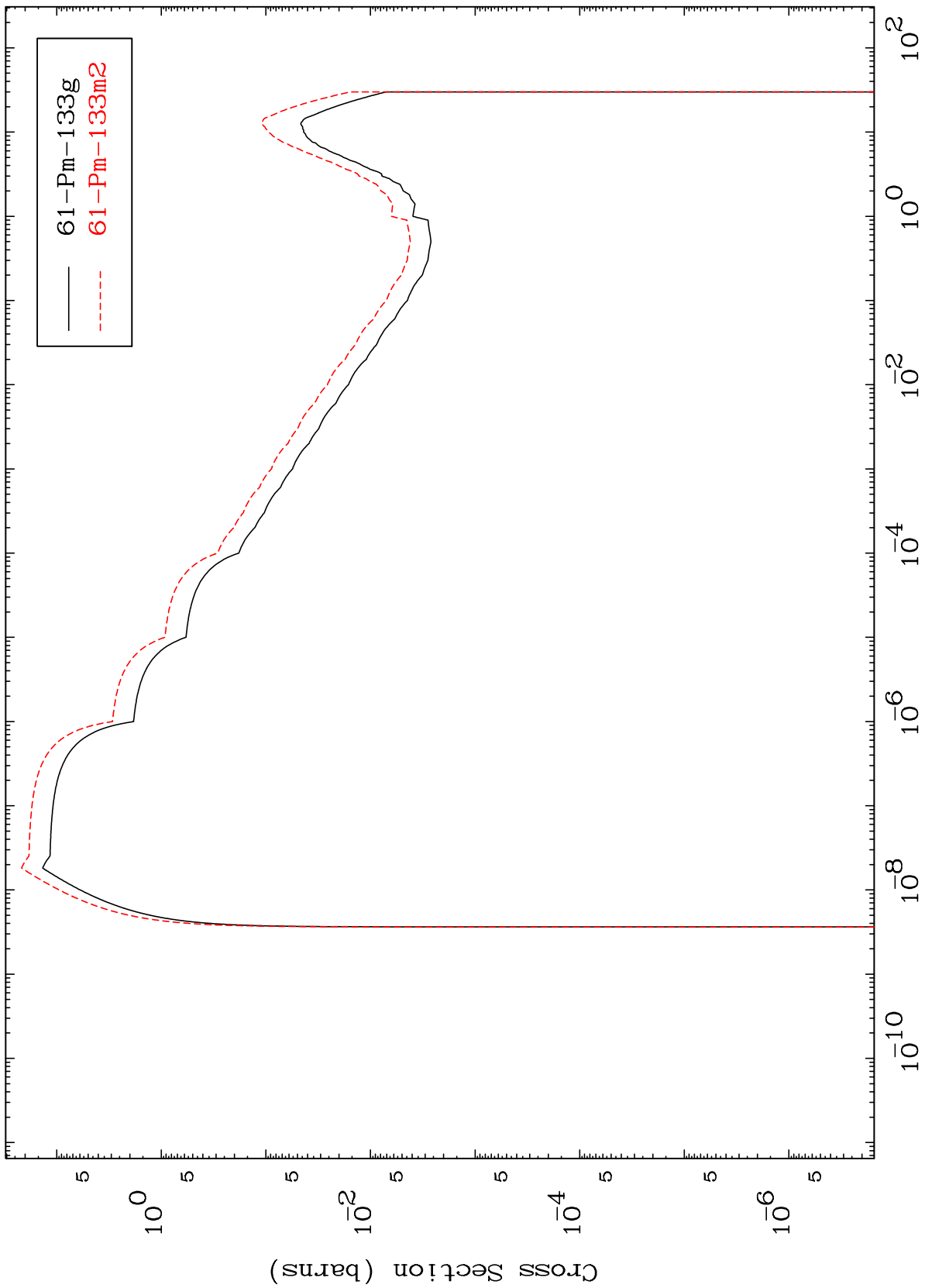
Incident Energy (MeV)

63-Eu-136

MAT 6280

63-Eu-136

(n, α)
Radionuclide Production Cross Section



61-Pm-133g
61-Pm-133m2

83

63-Eu-136

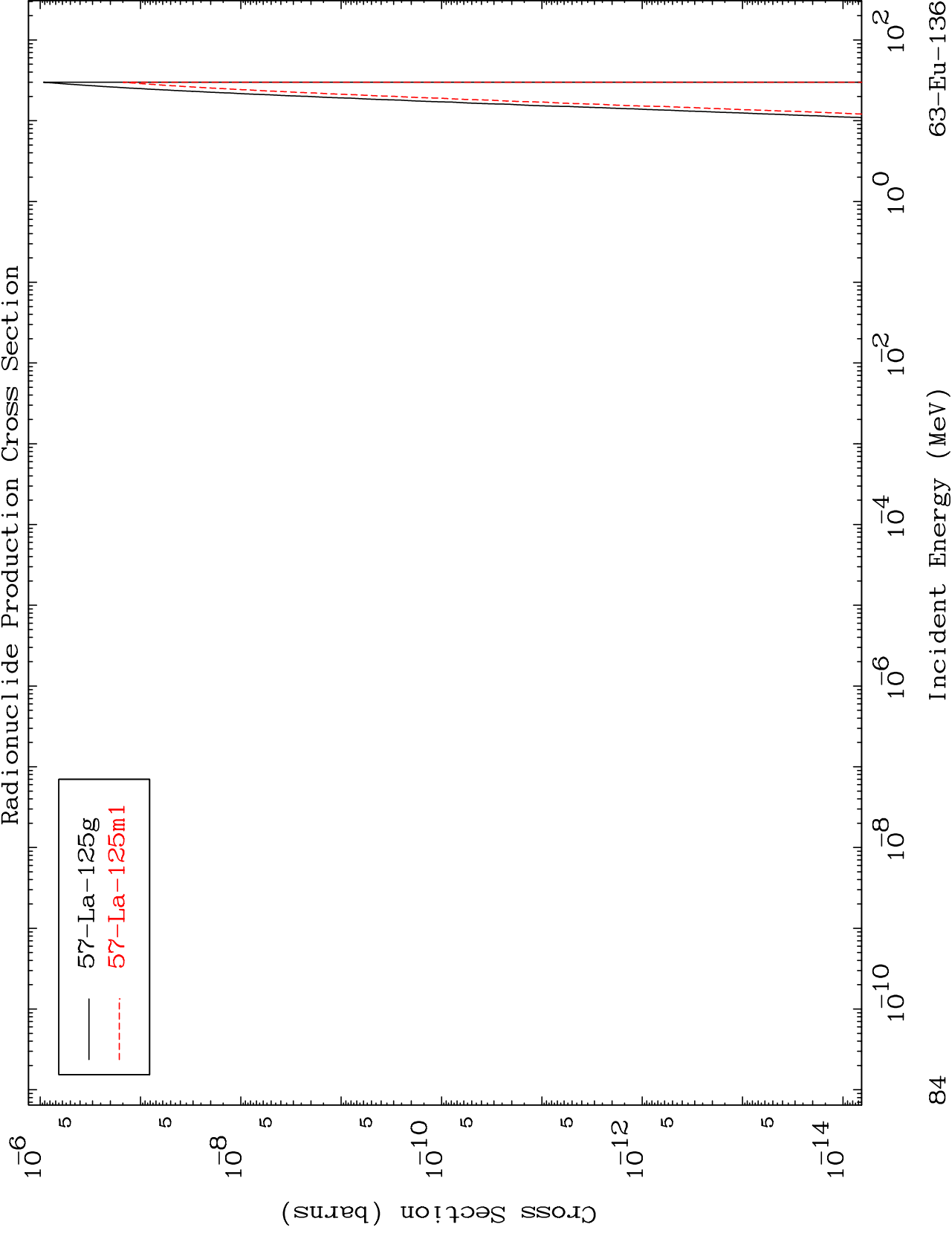
Incident Energy (MeV)

MAT 6280

(n, 3 α)

63-Eu-136

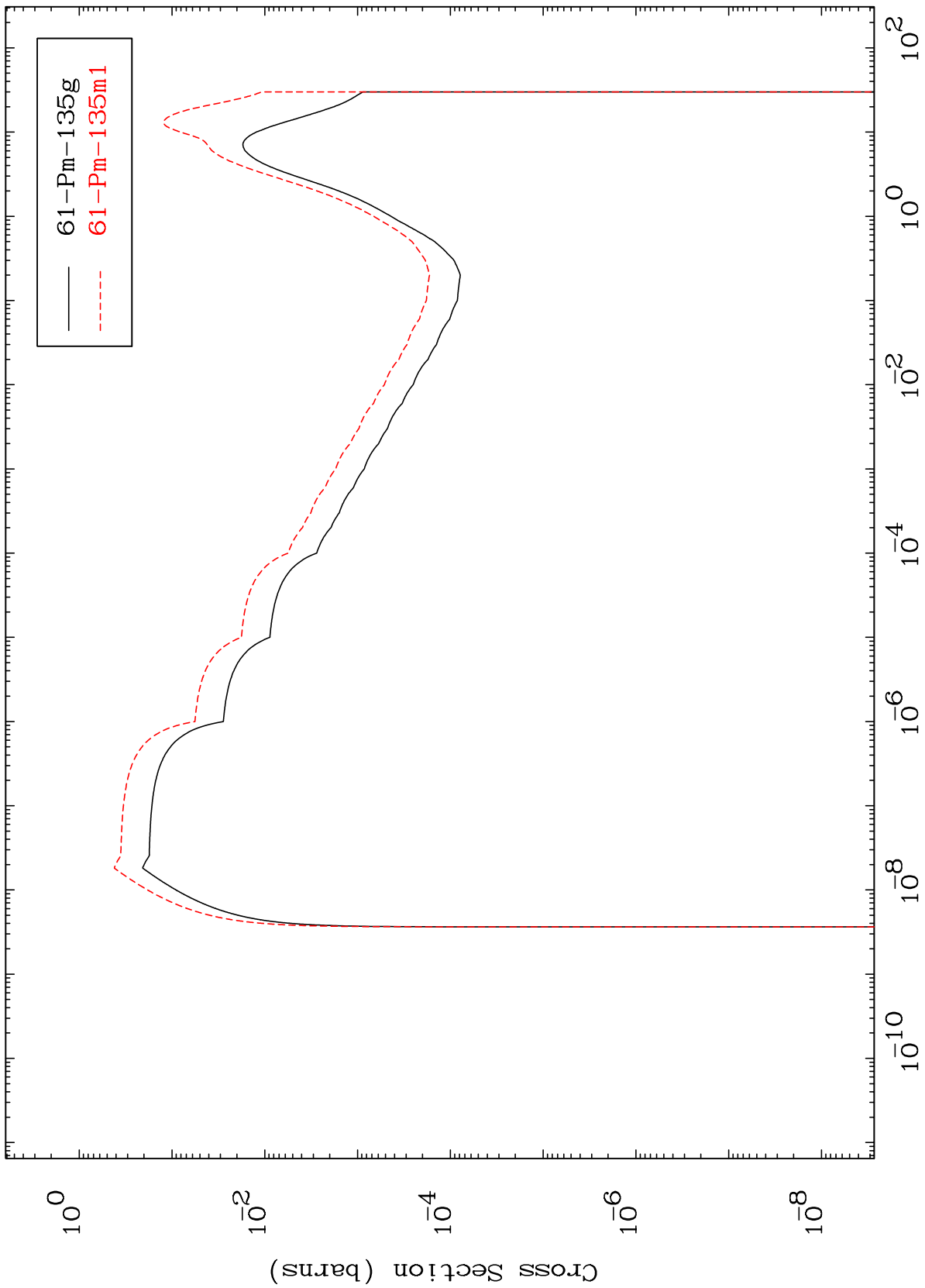
Radionuclide Production Cross Section



MAT 6280

63-Eu-136

(n,2p)
Radionuclide Production Cross Section



85

63-Eu-136

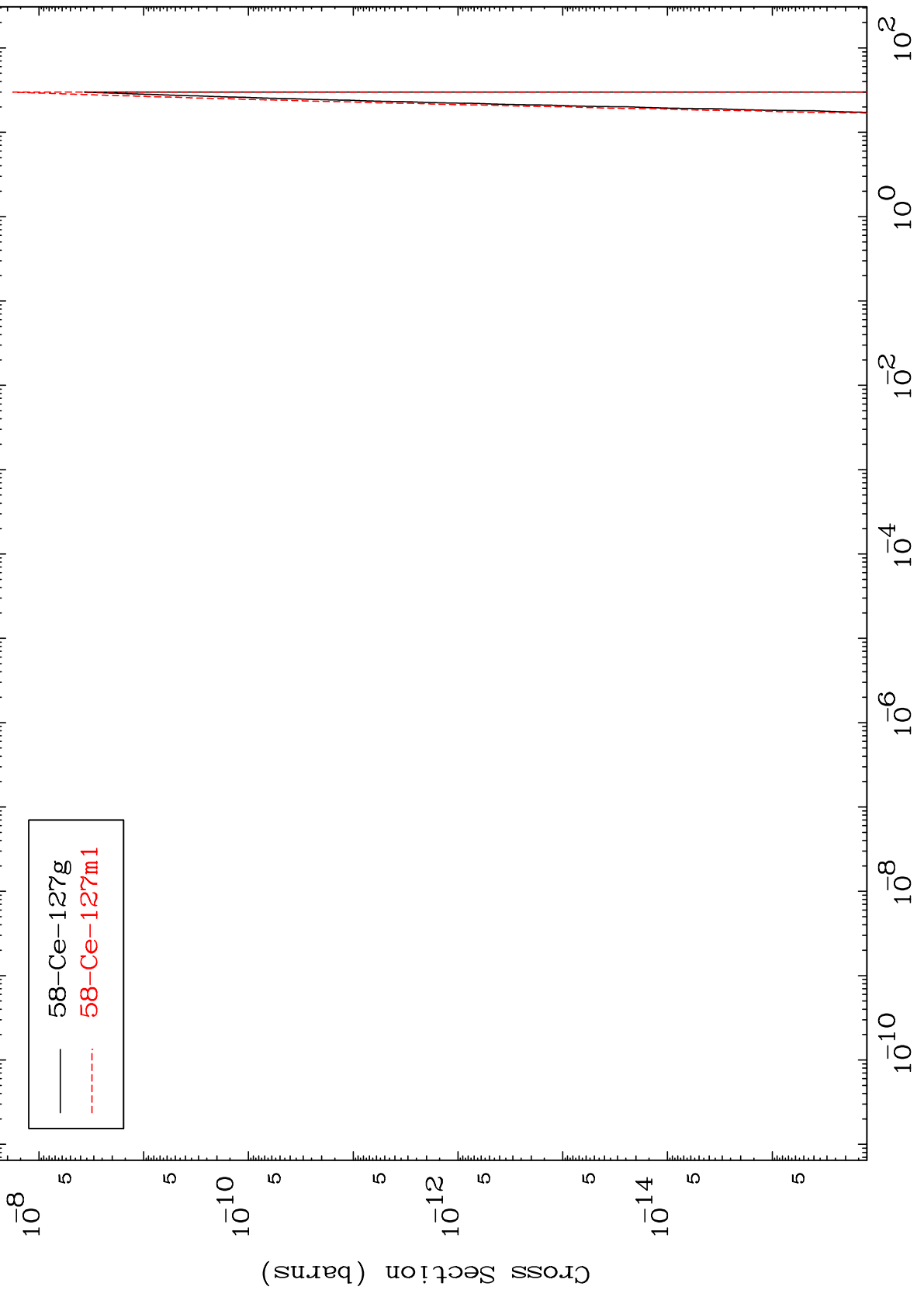
Incident Energy (MeV)

MAT 6280

(n,d) 2 α

63-Eu-136

Radionuclide Production Cross Section



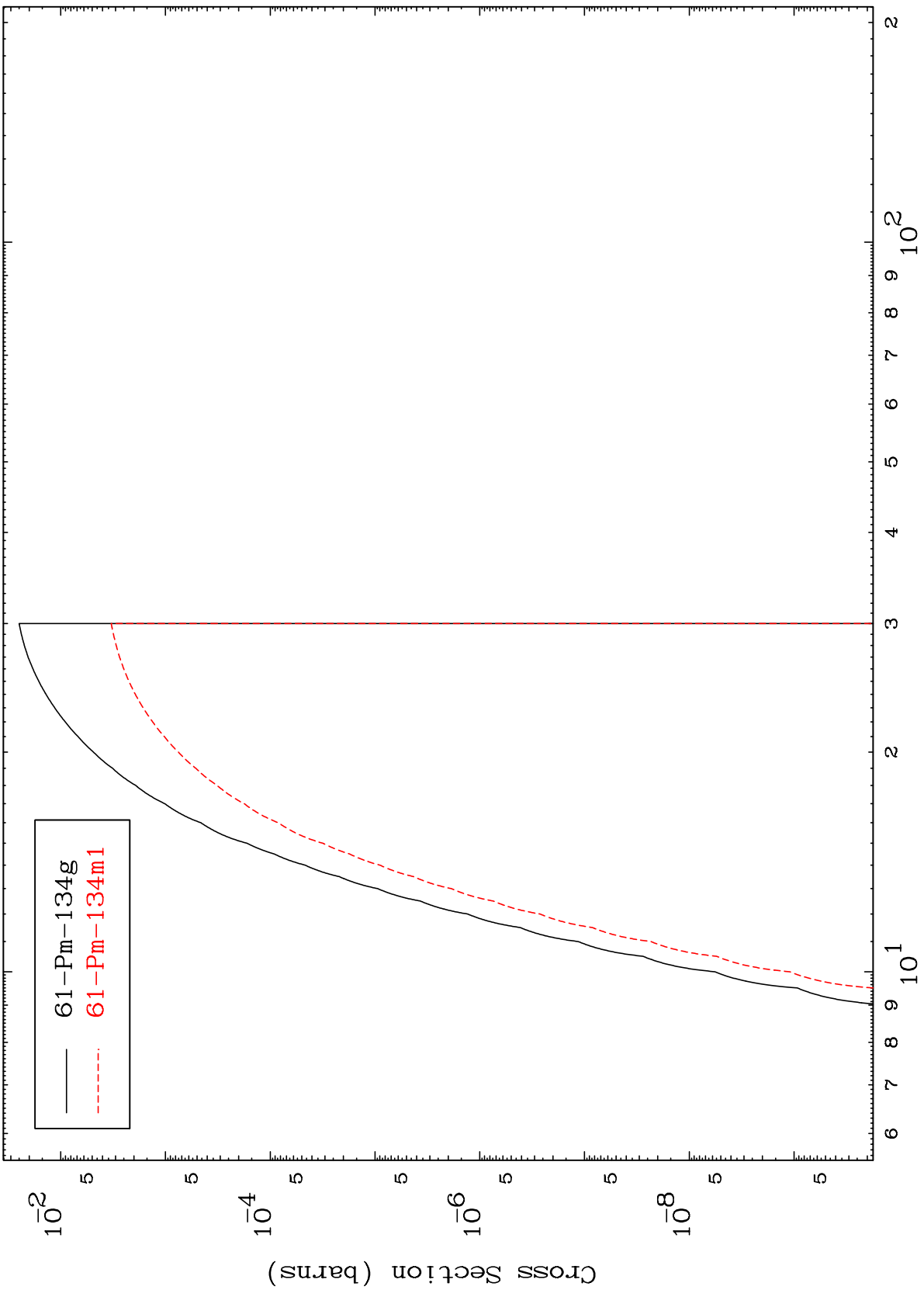
58-Ce-127g
58-Ce-127m1

MAT 6280

(n,p) d

63-Eu-136

Radionuclide Production Cross Section



61-Pm-134g
61-Pm-134m1

87

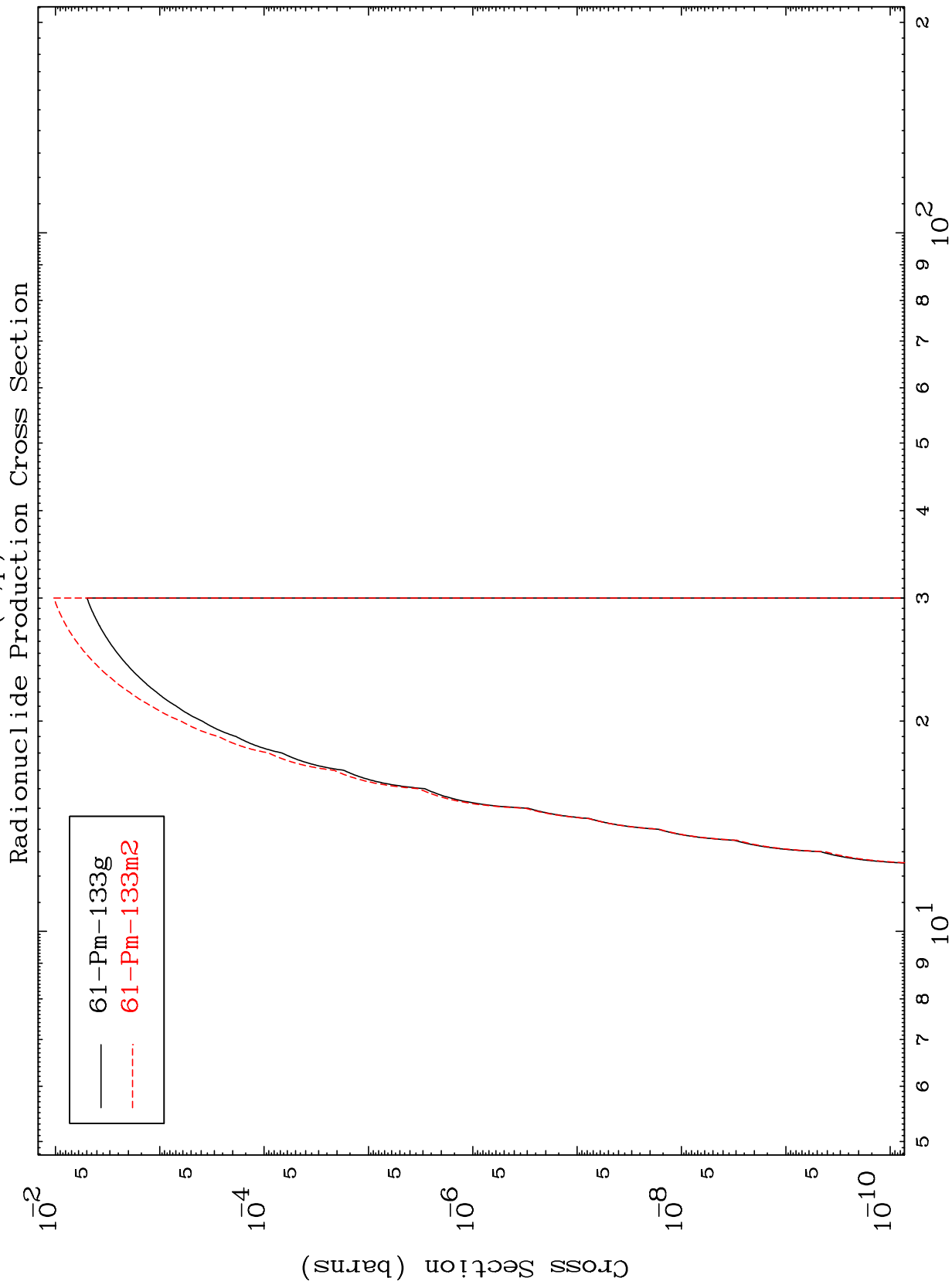
Incident Energy (MeV)

63-Eu-136

MAT 6280

(n,p) t

63-Eu-136



88

Incident Energy (MeV)

63-Eu-136