

Program EVALPLOT
(Version 2021-1)

by

Dermott E. Cullen
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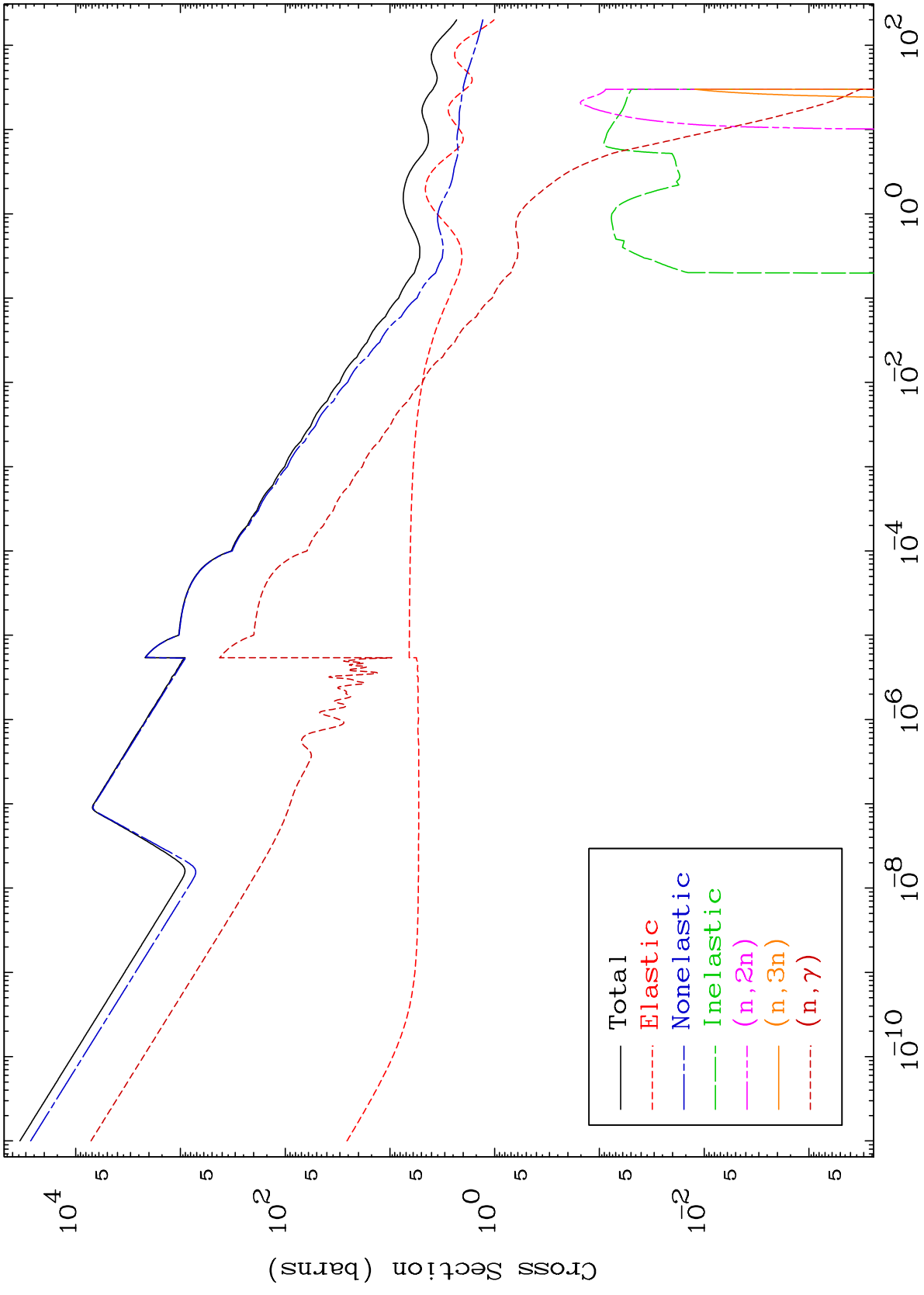
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6480

Neutron Major
293 Kelvin Cross Sections

65-Tb-144

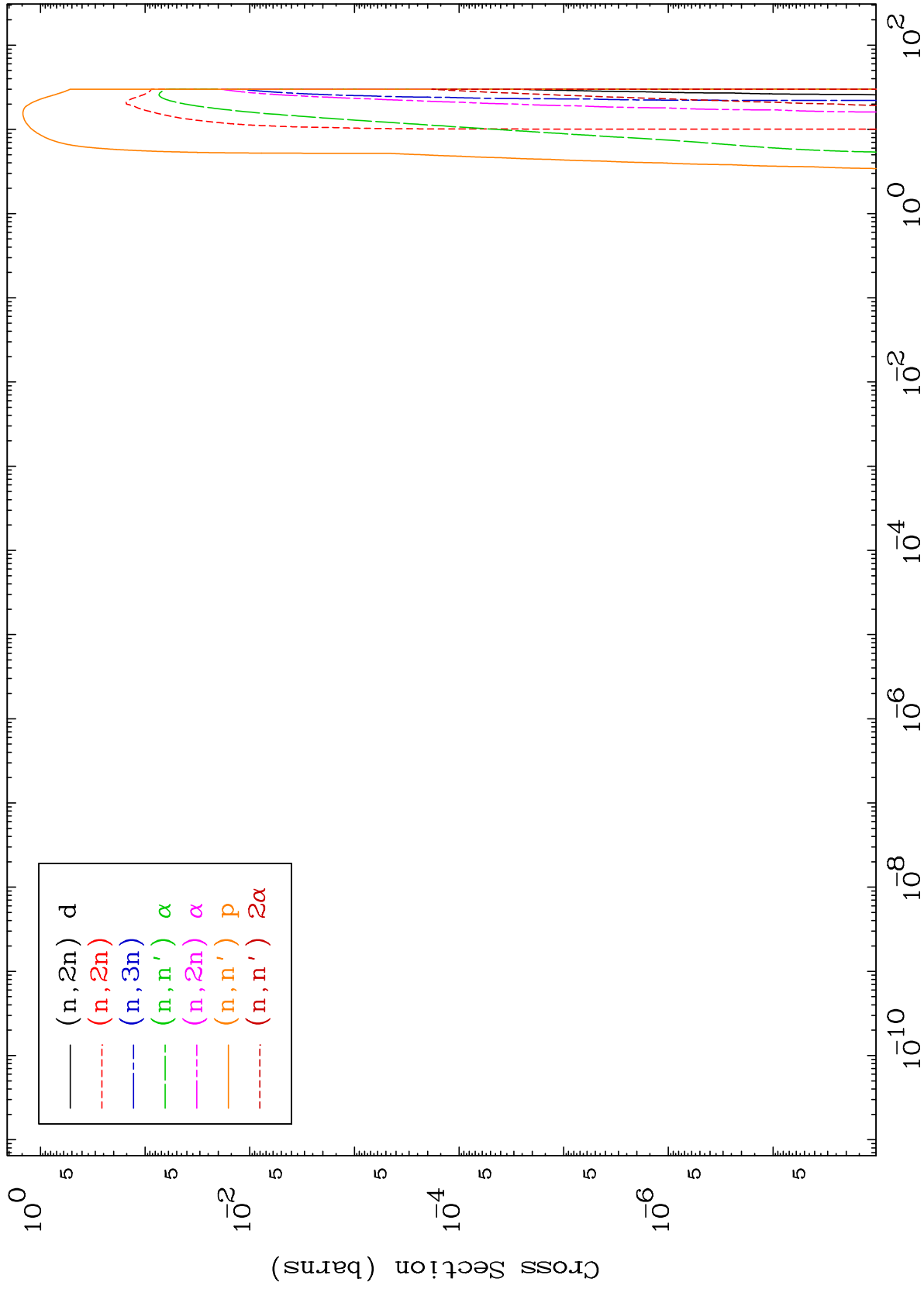


65-Tb-144

MAT 6480

Neutron Absorption
293 Kelvin Cross Sections

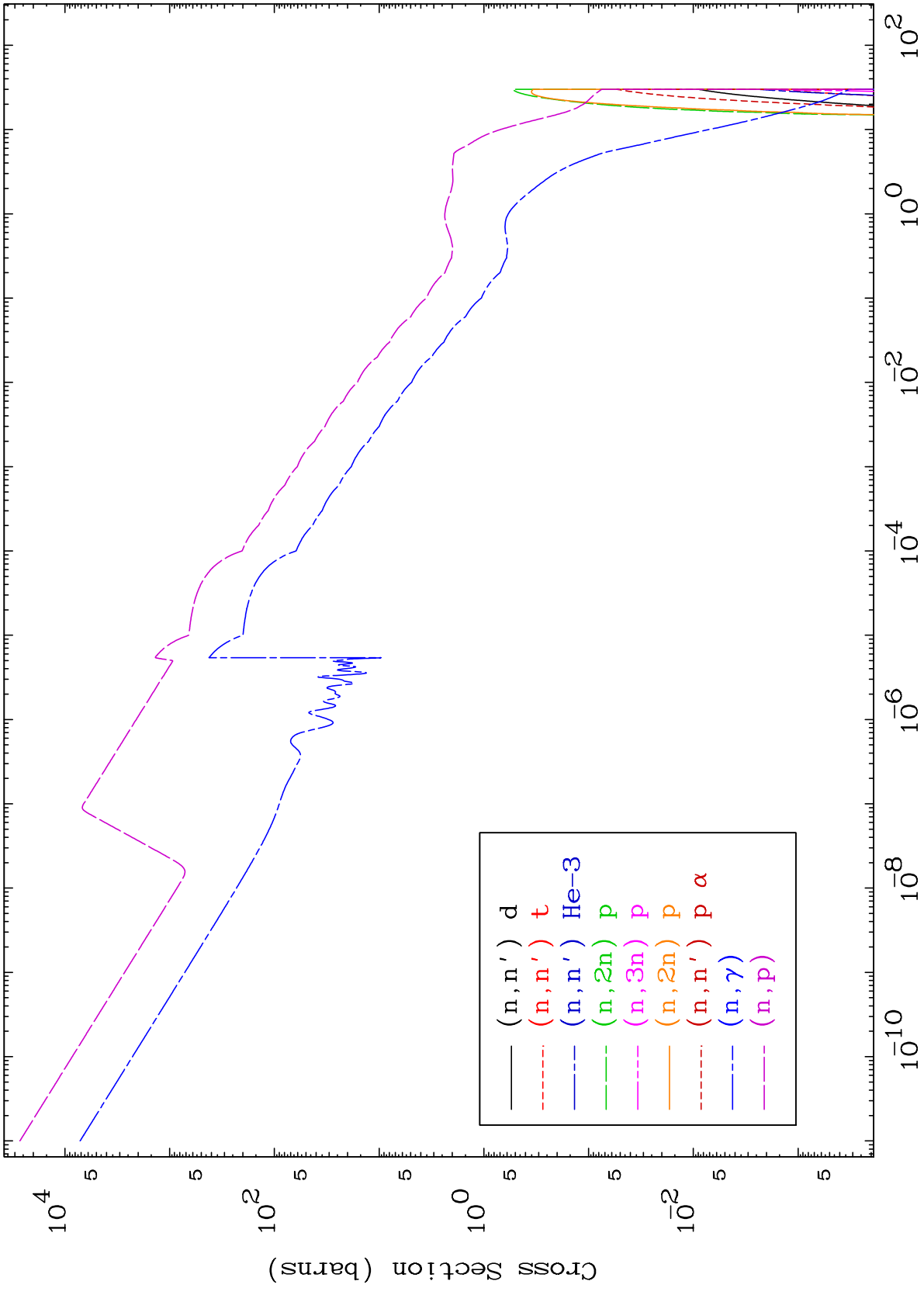
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MAT 6480

Neutron Absorption
293 Kelvin Cross Sections

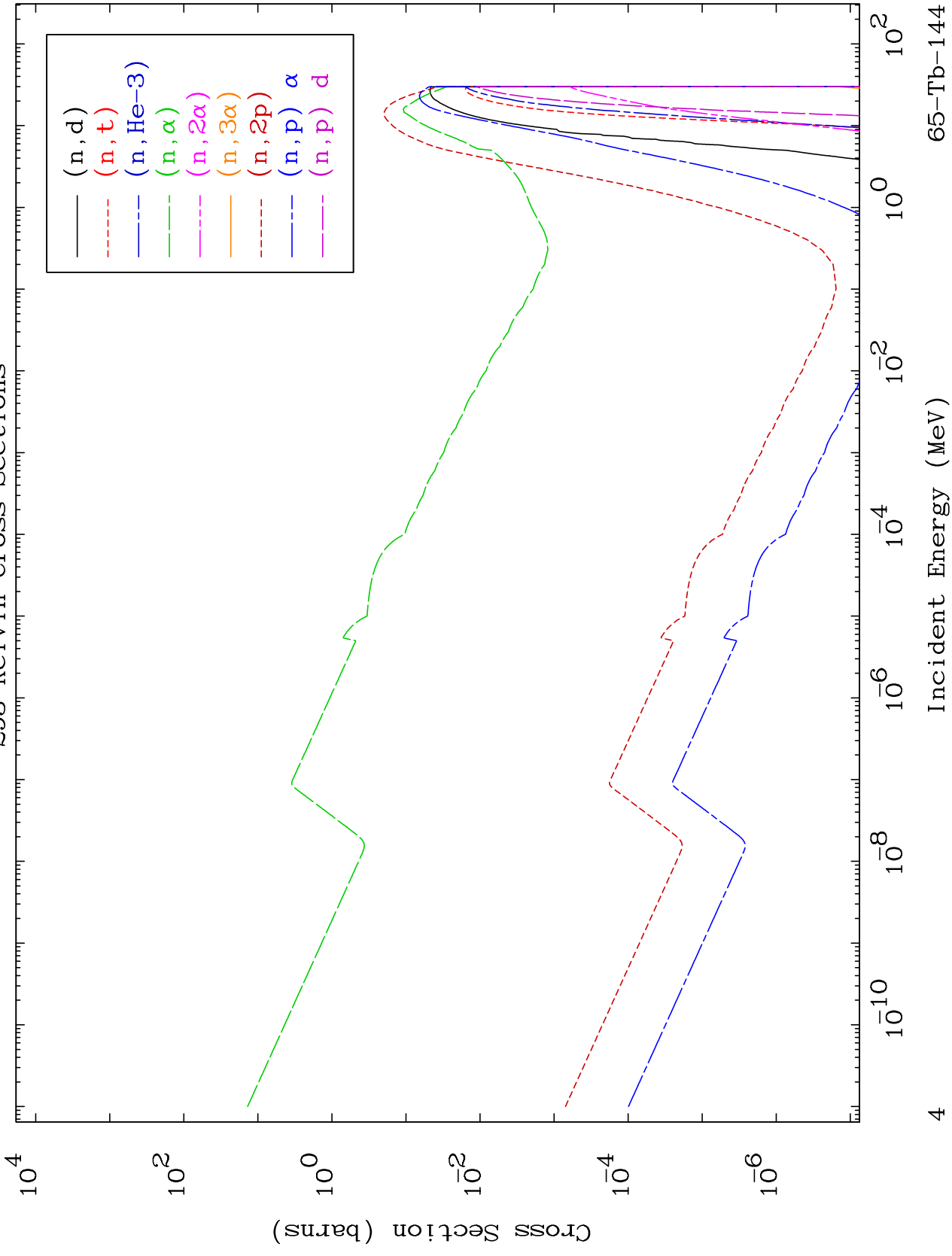
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MAT 6480

Neutron Absorption
293 Kelvin Cross Sections

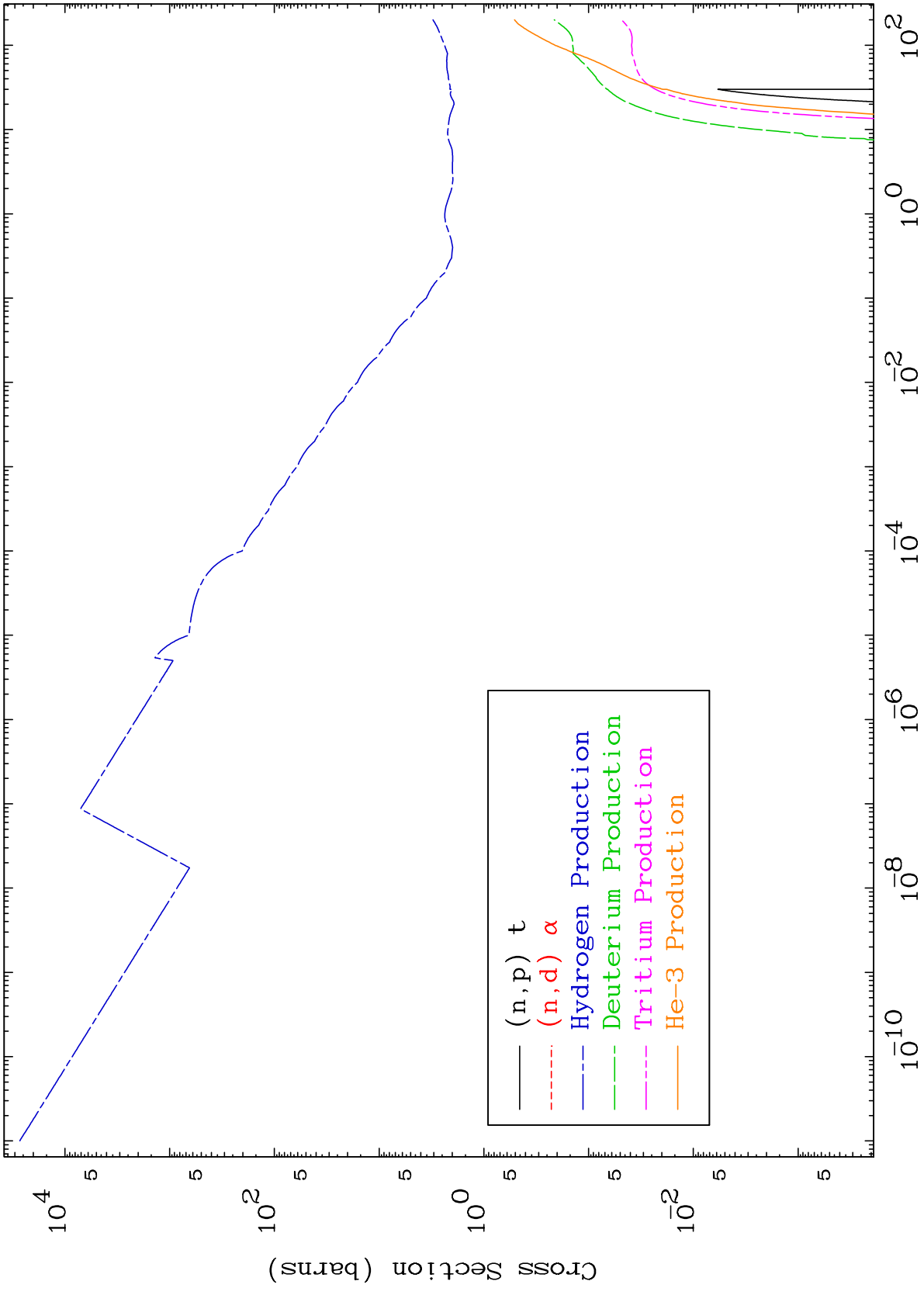
65-Tb-144



MAT 6480

Neutron Absorption
293 Kelvin Cross Sections

65-Tb-144

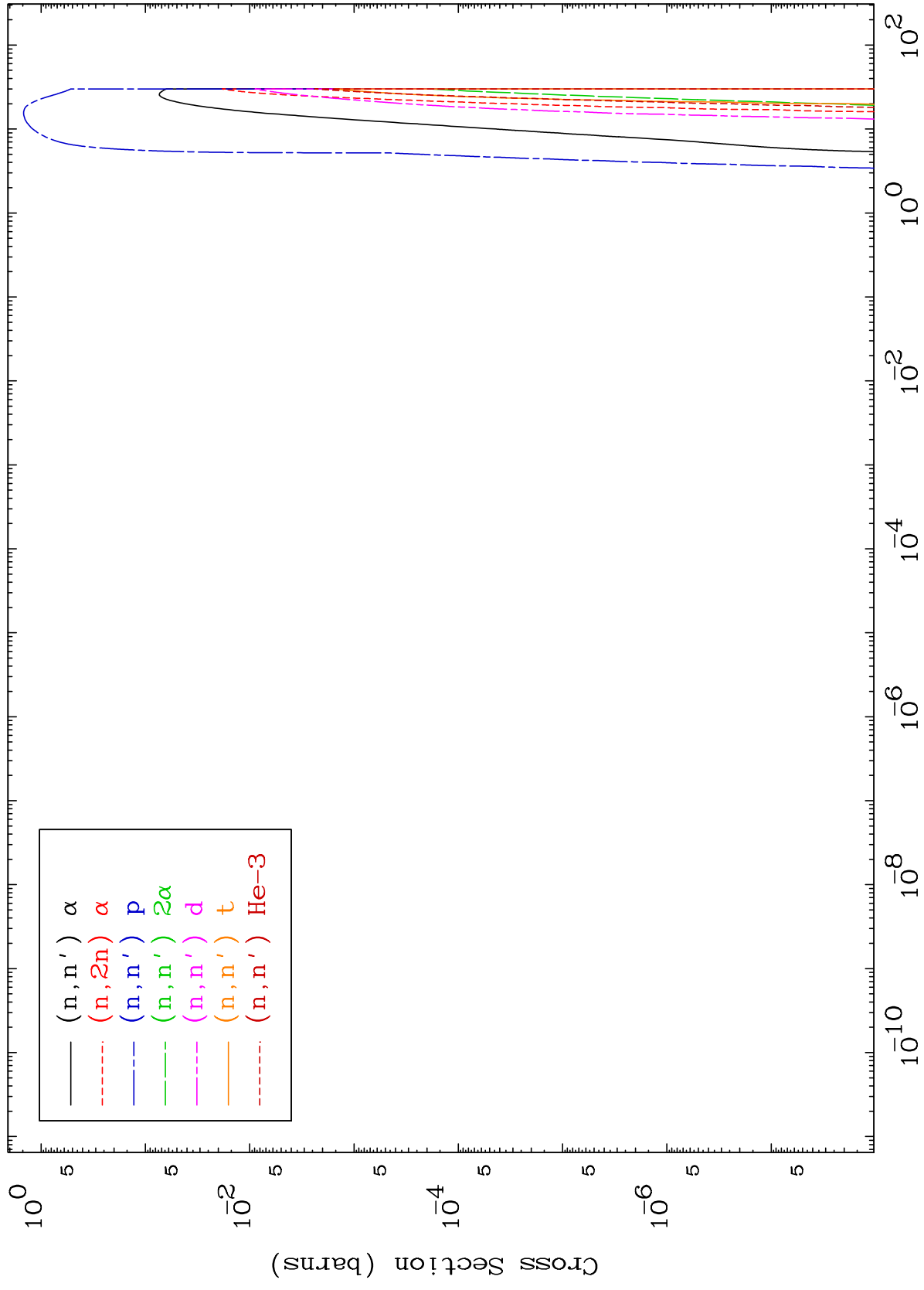


65-Tb-144

MAT 6480

Charged Particle
293 Kelvin Cross Sections

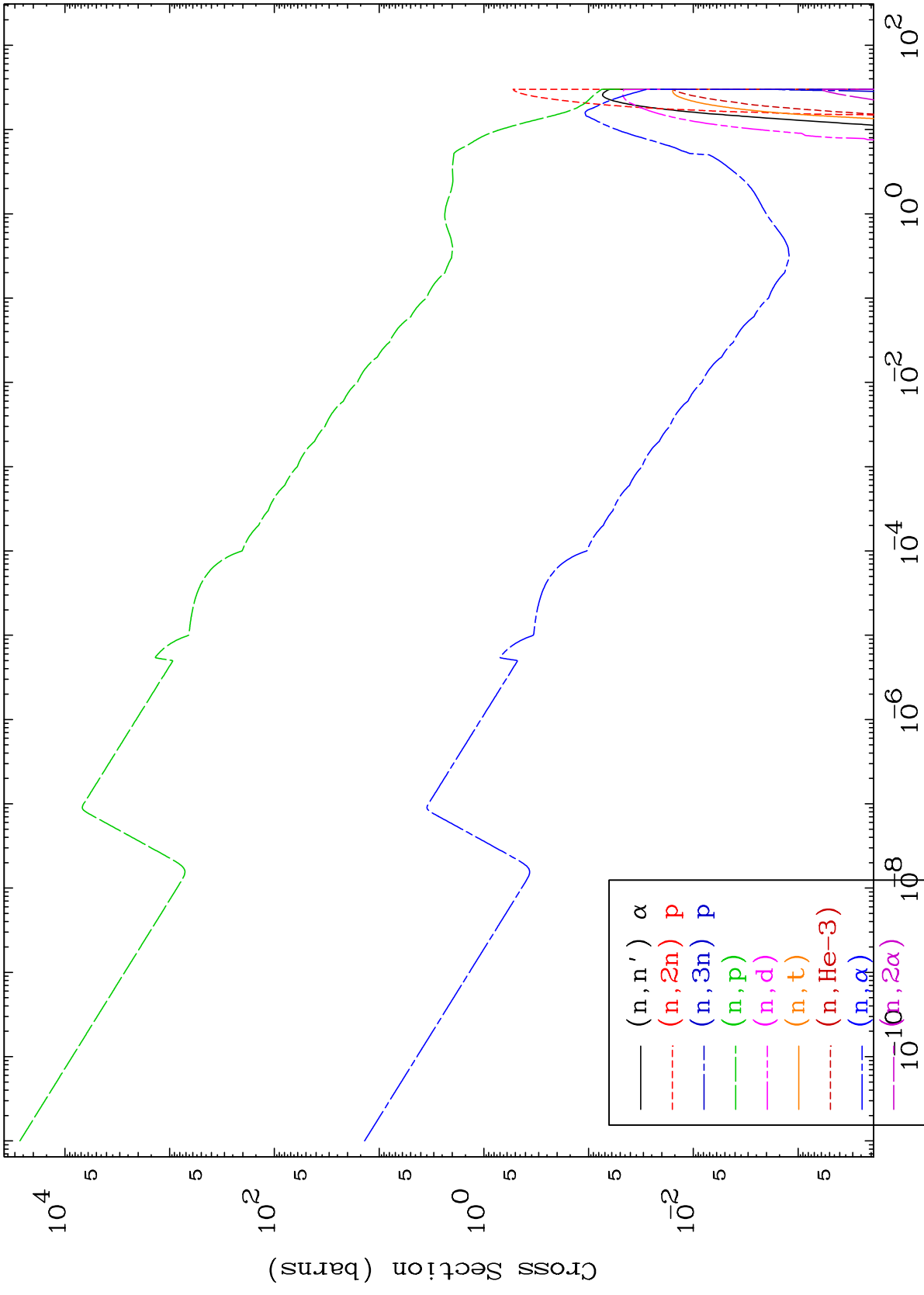
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MAT 6480

293 Kelvin Cross Sections

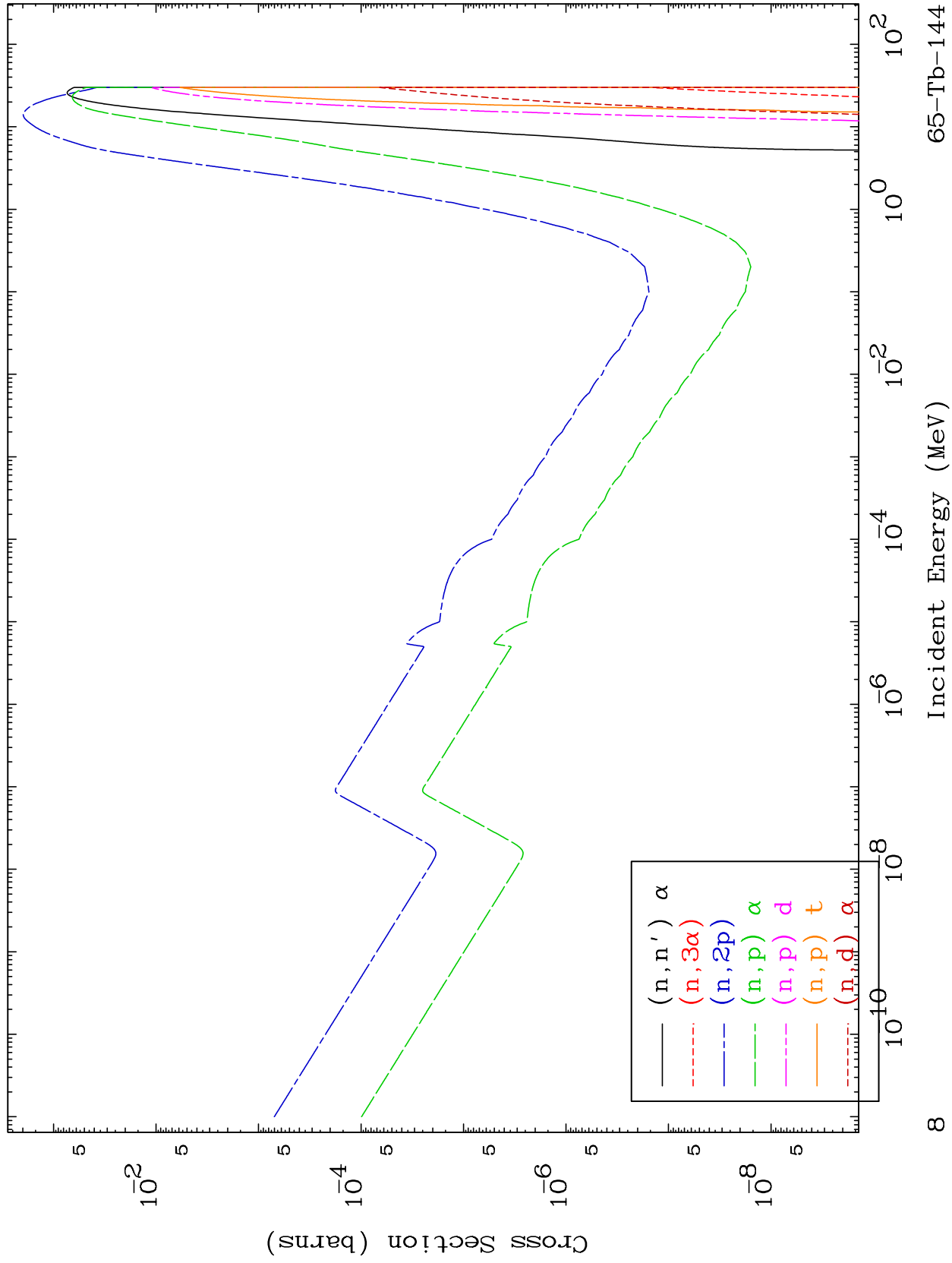
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MAT 6480

Charged Particle
293 Kelvin Cross Sections

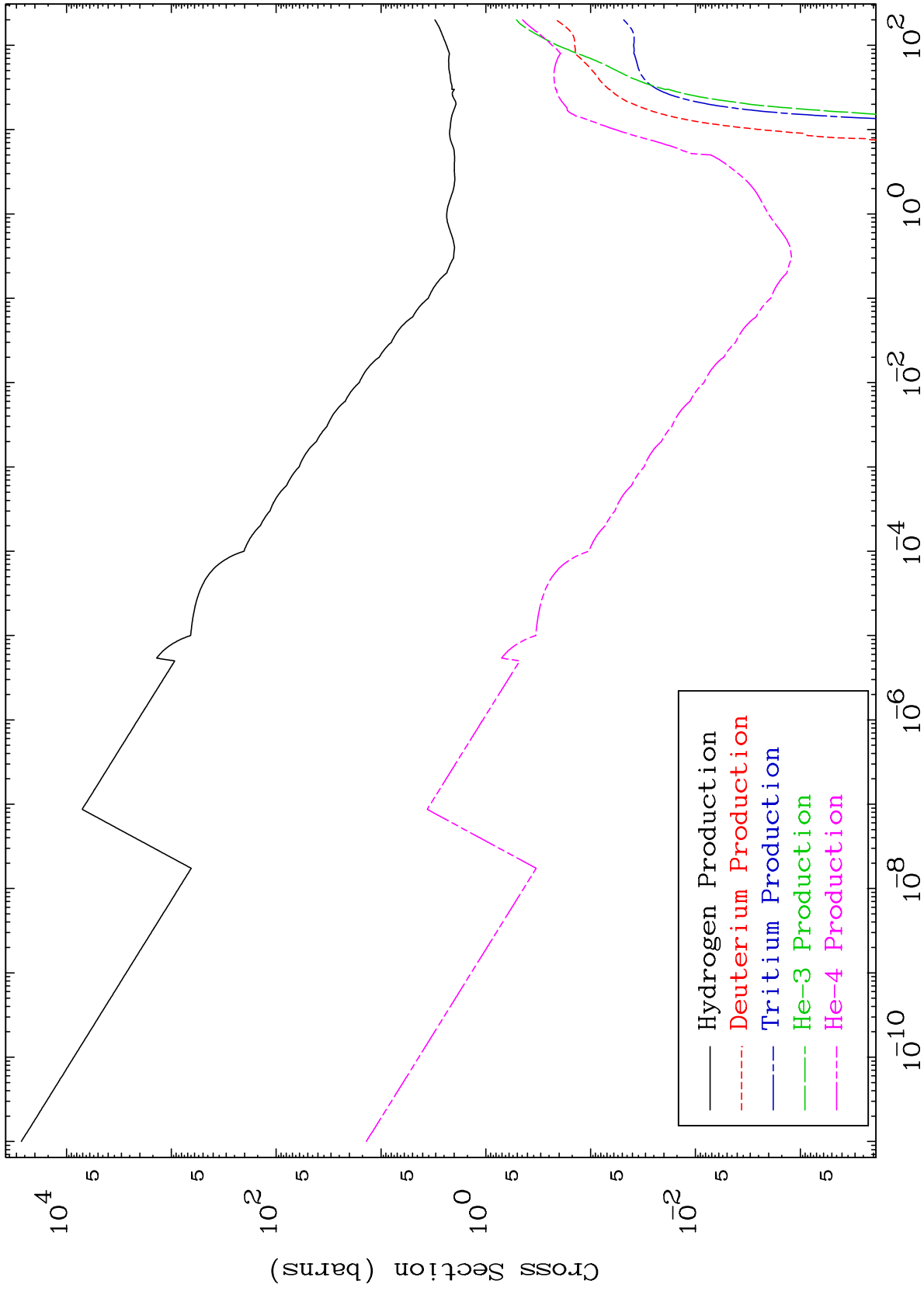
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MAT 6480

Particle Production
293 Kelvin Cross Sections

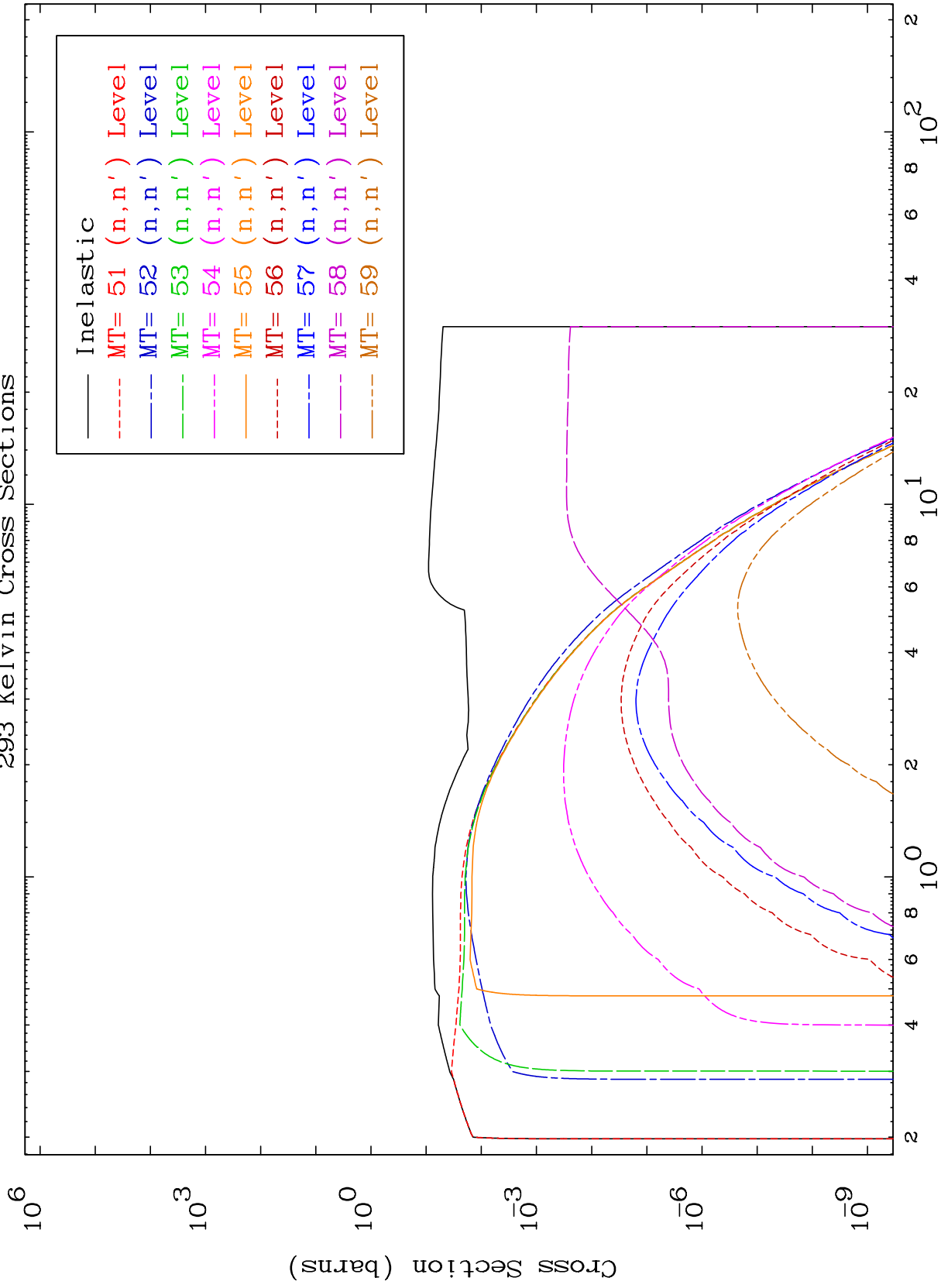
65-Tb-144



MAT 6480

(n,n') Levels
293 Kelvin Cross Sections

65-Tb-144



10

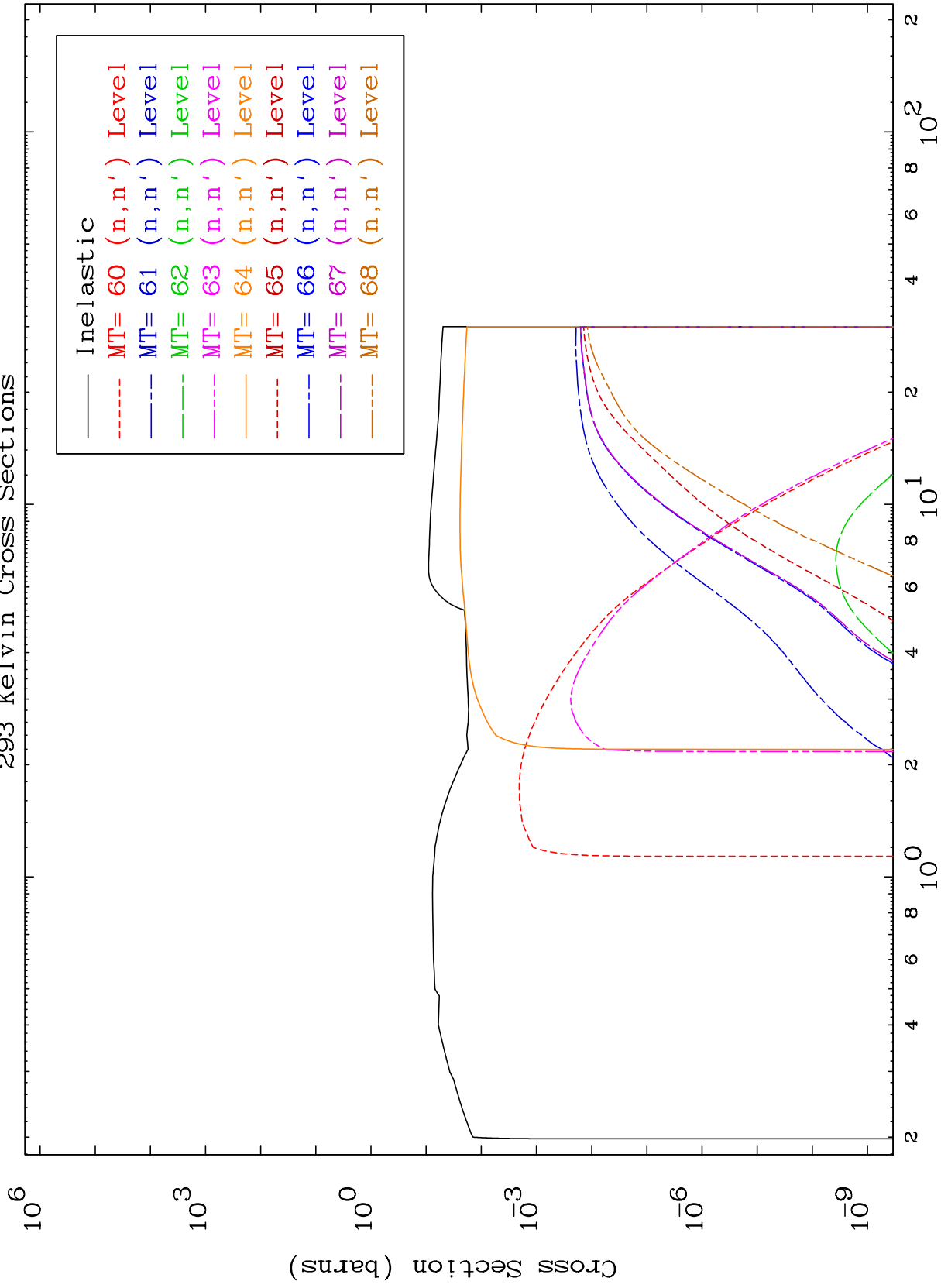
Incident Energy (MeV)

65-Tb-144

MAT 6480

(n,n') Levels
293 Kelvin Cross Sections

65-Tb-144



11

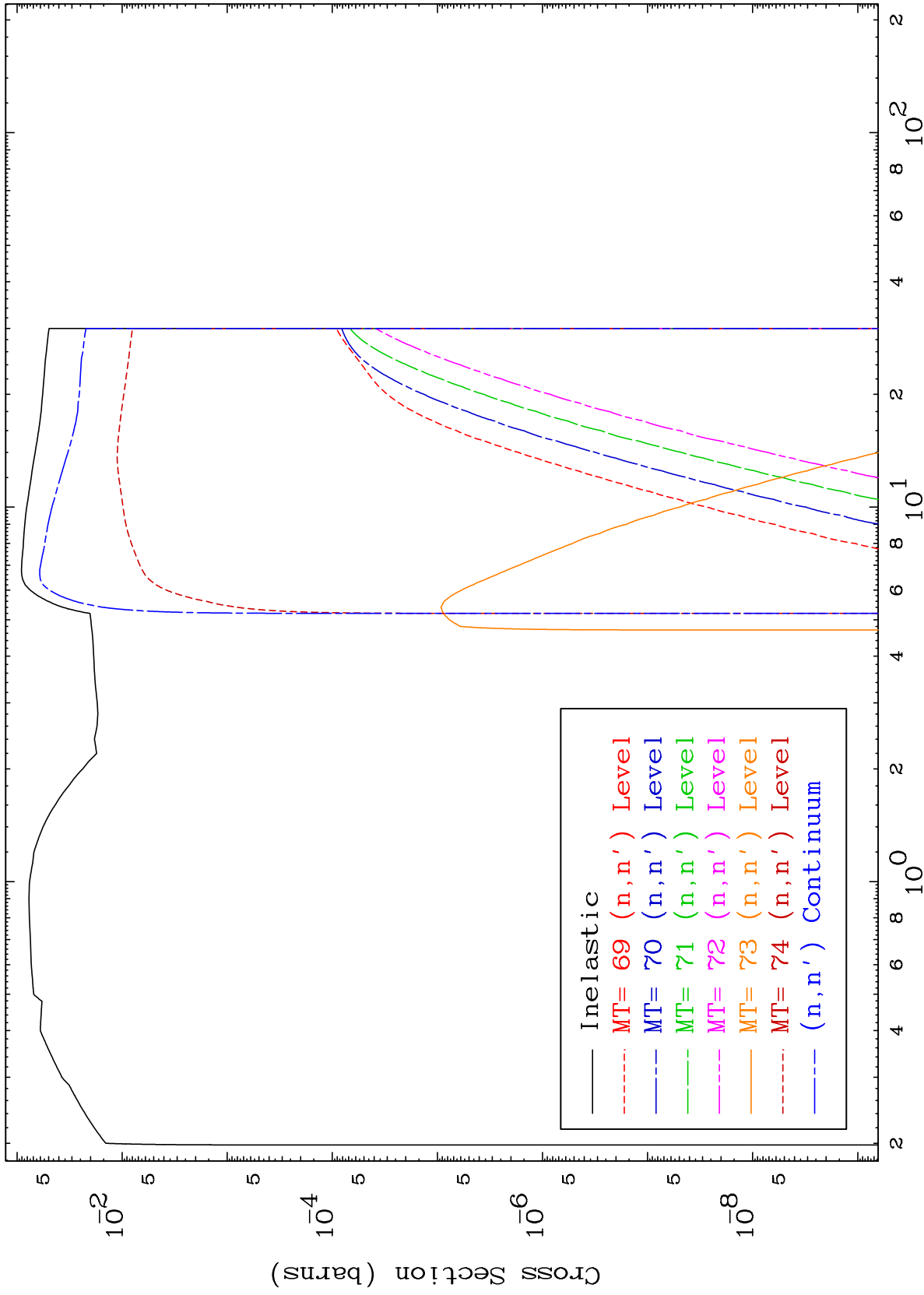
Incident Energy (MeV)

65-Tb-144

MAT 6480

293 Kelvin Cross Sections

65-Tb-144



12

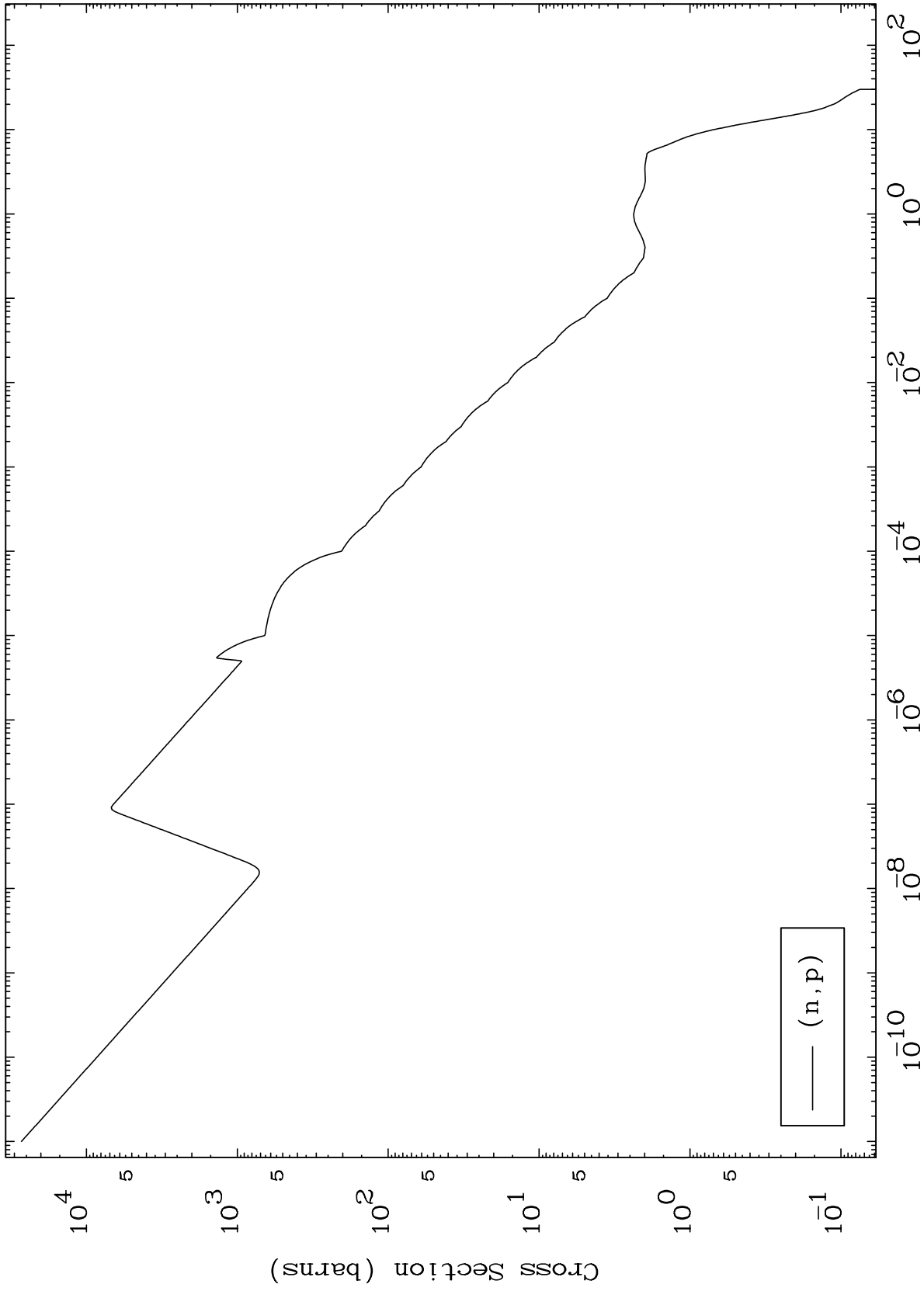
Incident Energy (MeV)

65-Tb-144

MAT 6480

(n,p) Levels
293 Kelvin Cross Sections

65-Tb-144



13

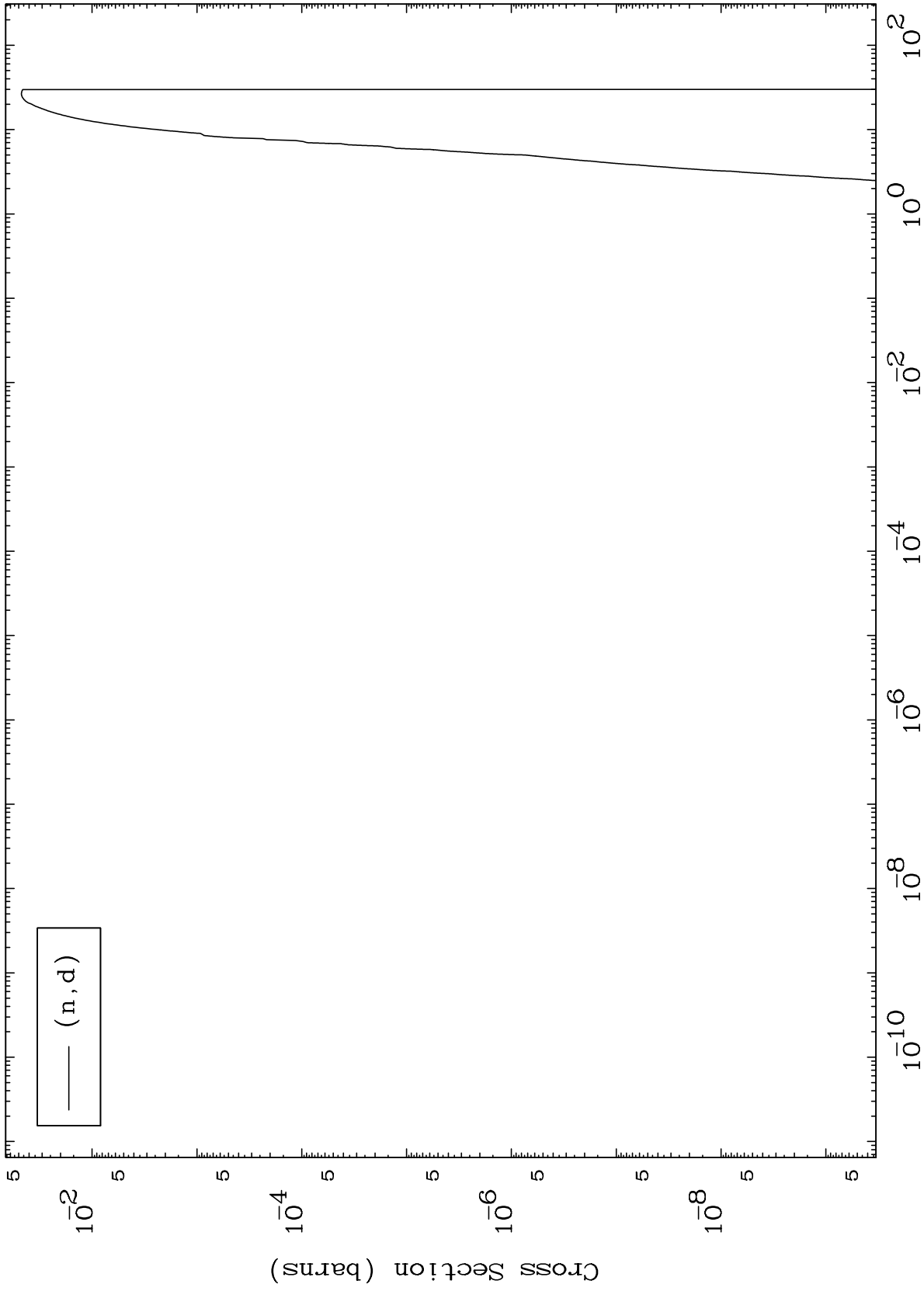
Incident Energy (MeV)

65-Tb-144

MAT 6480

(n,d) Levels
293 Kelvin Cross Sections

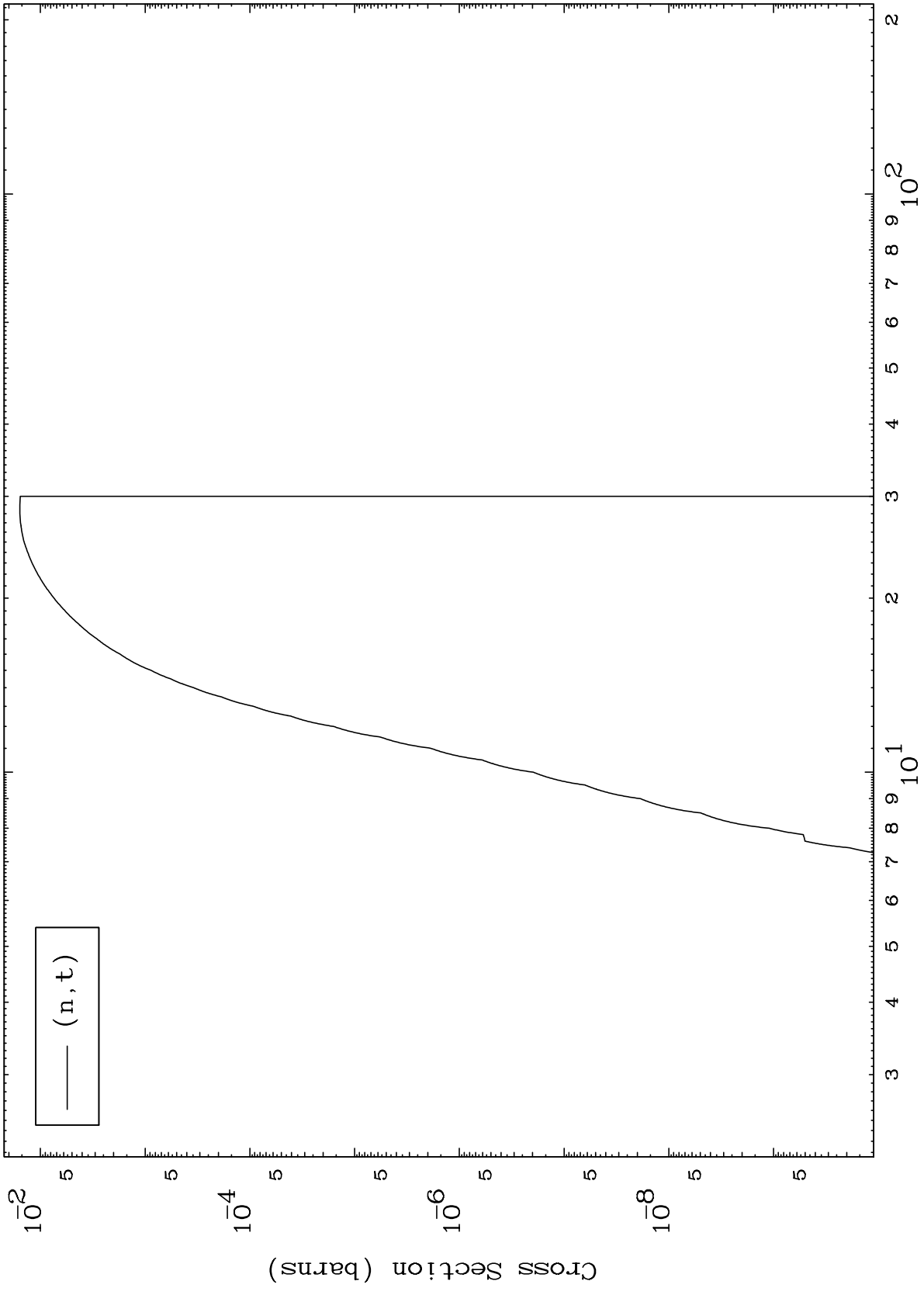
65-Tb-144



MAT 6480

(n,t) Levels
293 Kelvin Cross Sections

65-Tb-144



15

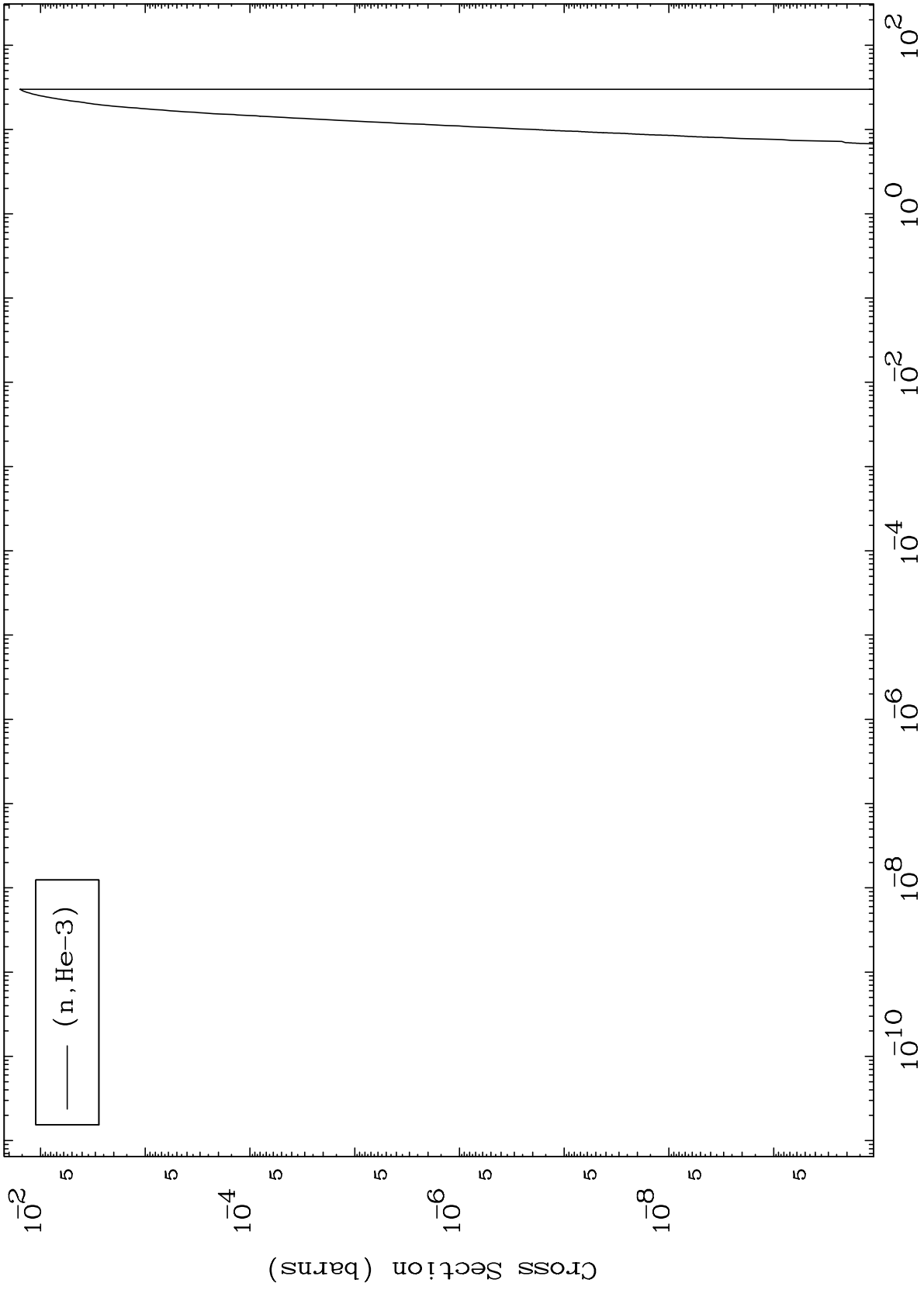
Incident Energy (MeV)

65-Tb-144

MAT 6480

(n,He3) Levels
293 Kelvin Cross Sections

65-Tb-144

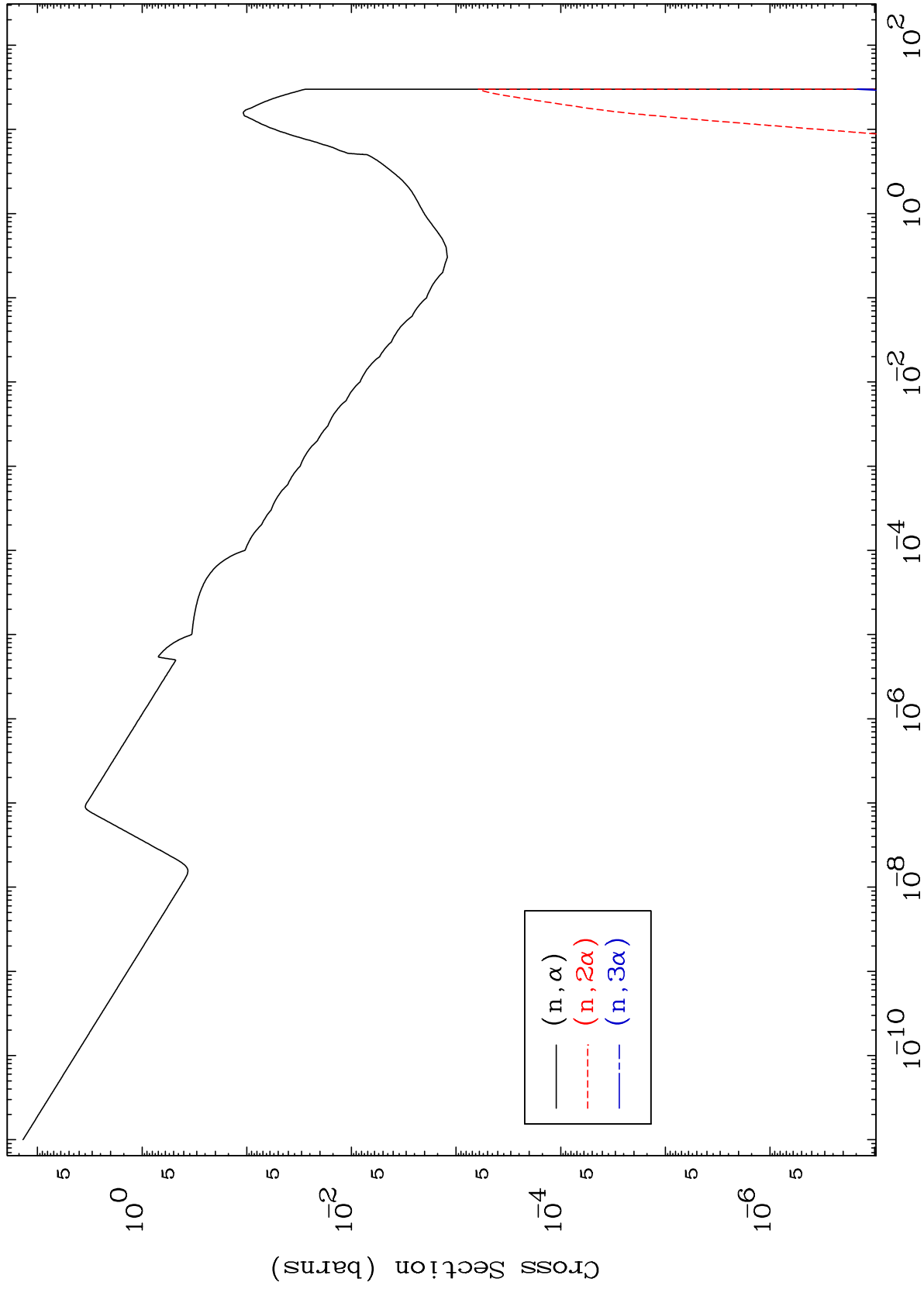


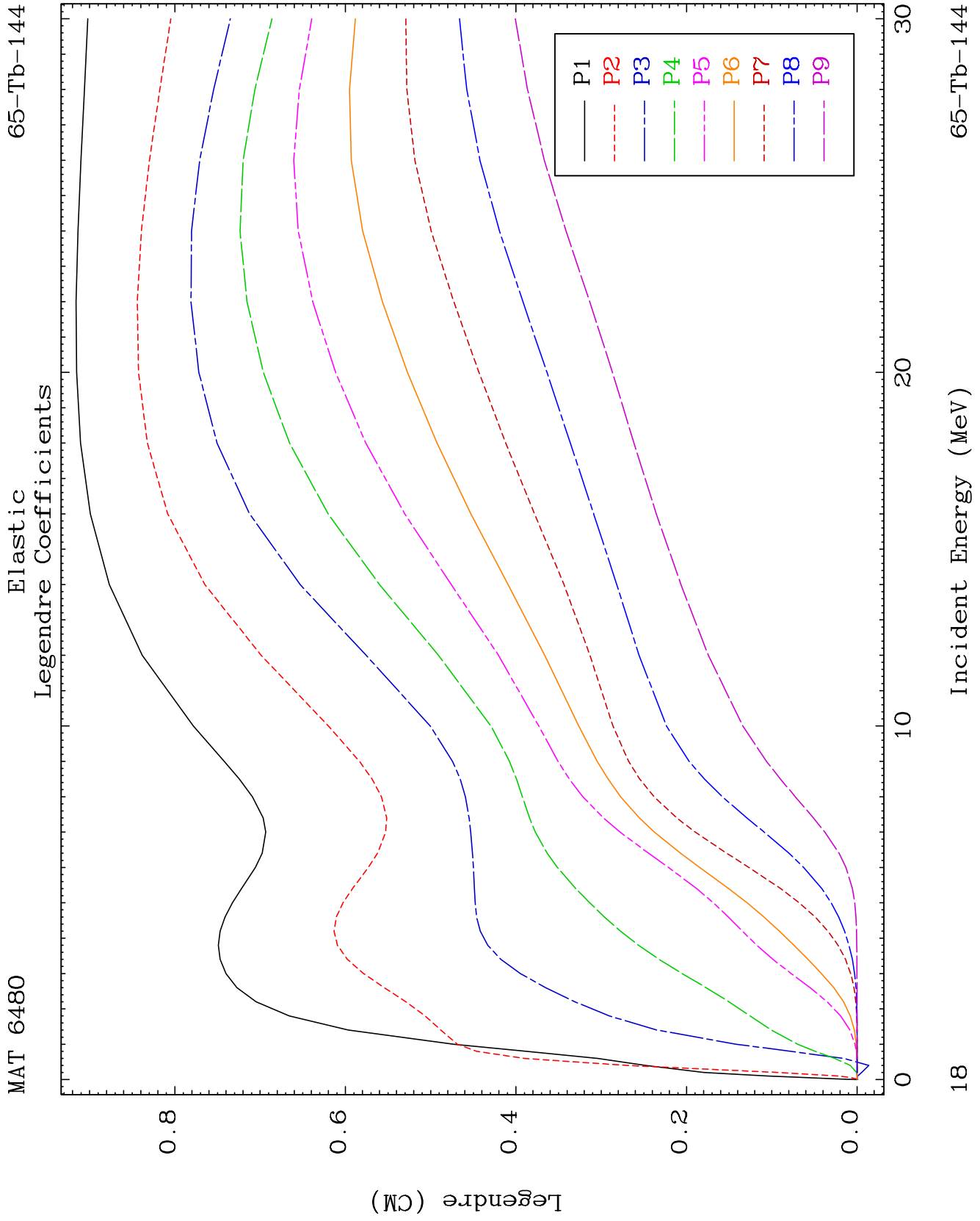
(n, He-3)

MAT 6480

(n,α) Levels
293 Kelvin Cross Sections

65-Tb-144

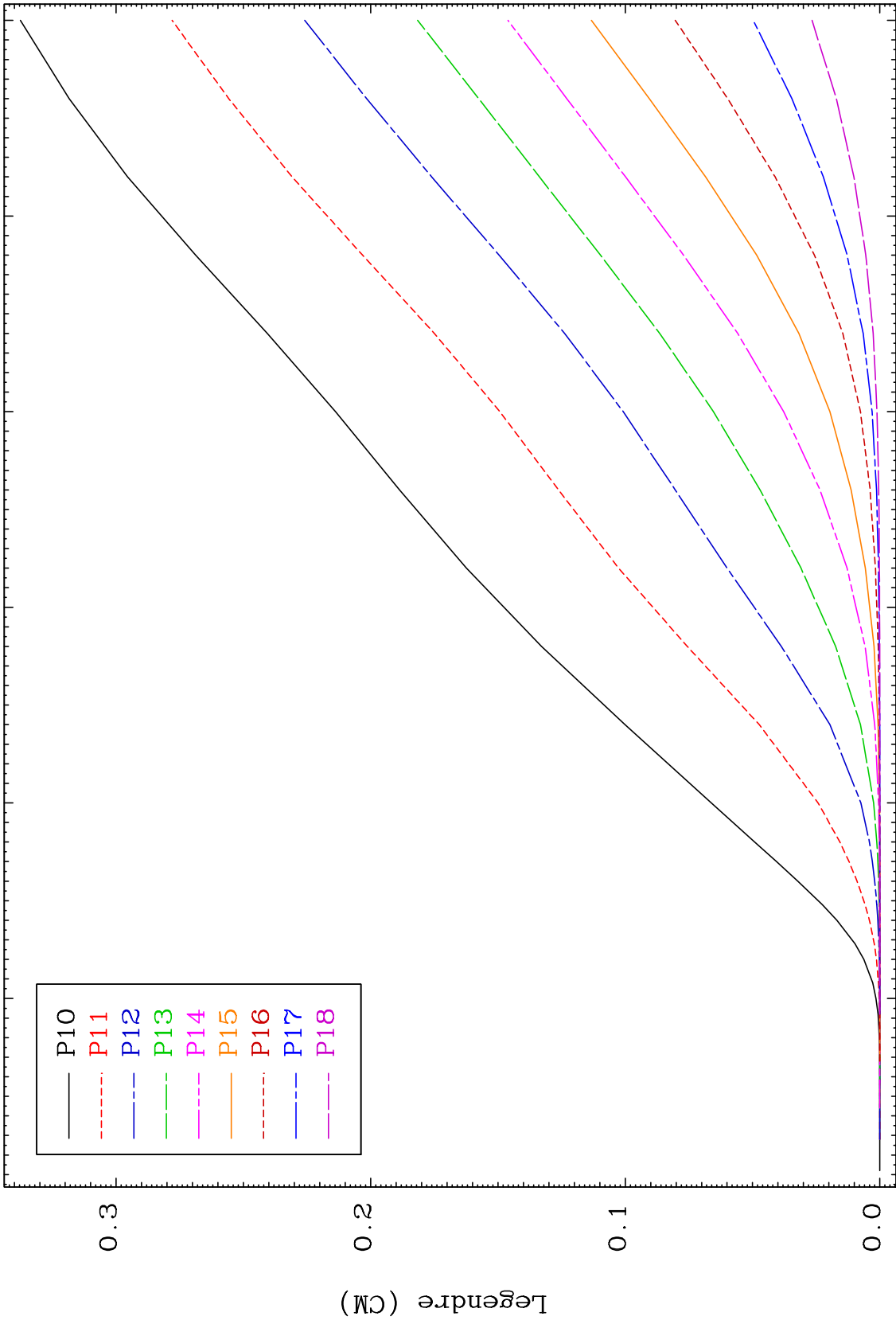




MAT 6480

Elastic Legendre Coefficients

65-Tb-144



19

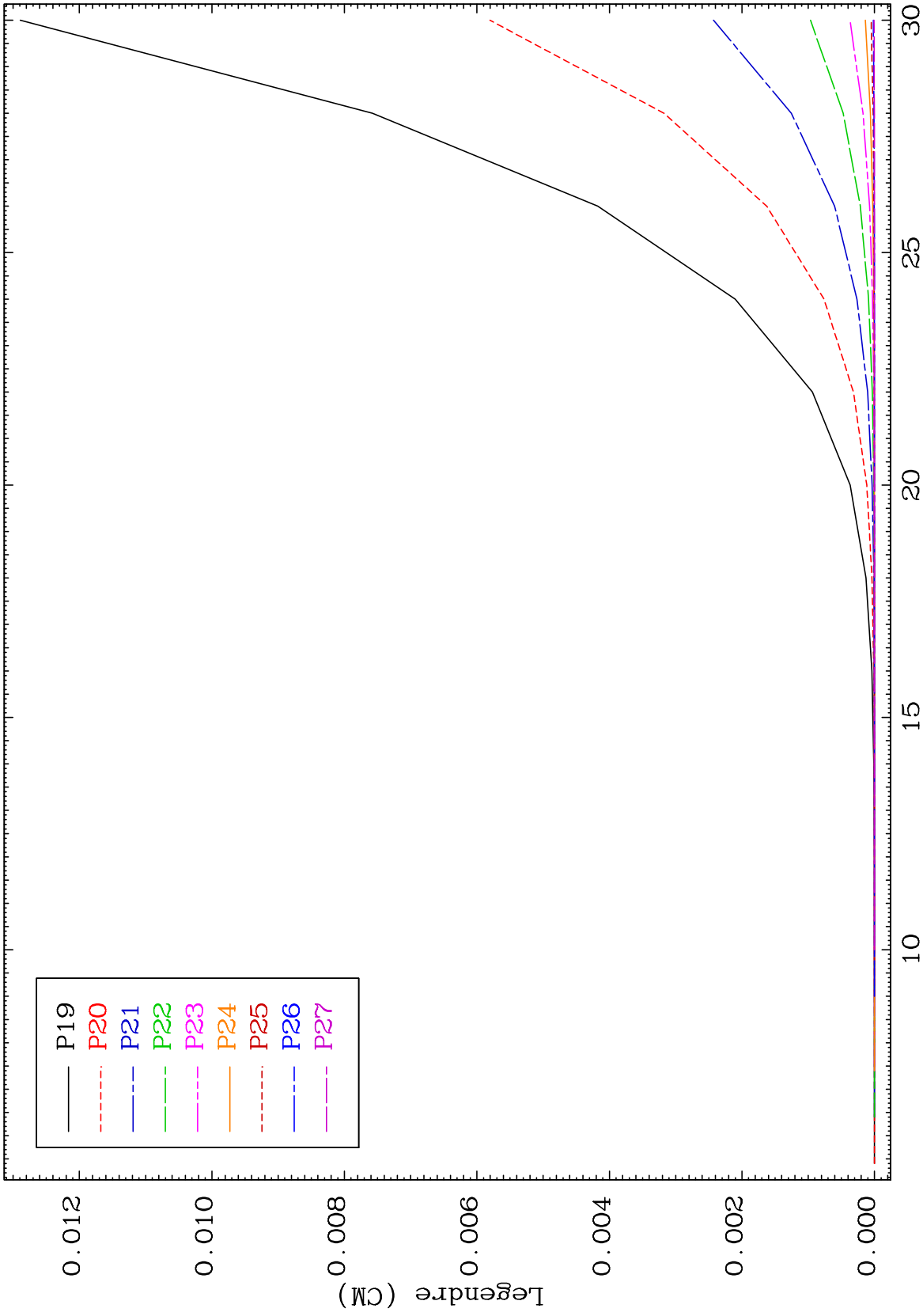
Incident Energy (MeV)

65-Tb-144

MAT 6480

Elastic Legendre Coefficients

65-Tb-144



20

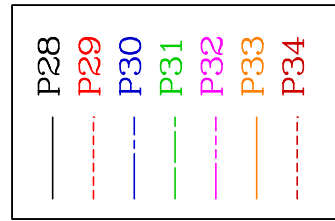
Incident Energy (MeV)

65-Tb-144

MAT 6480

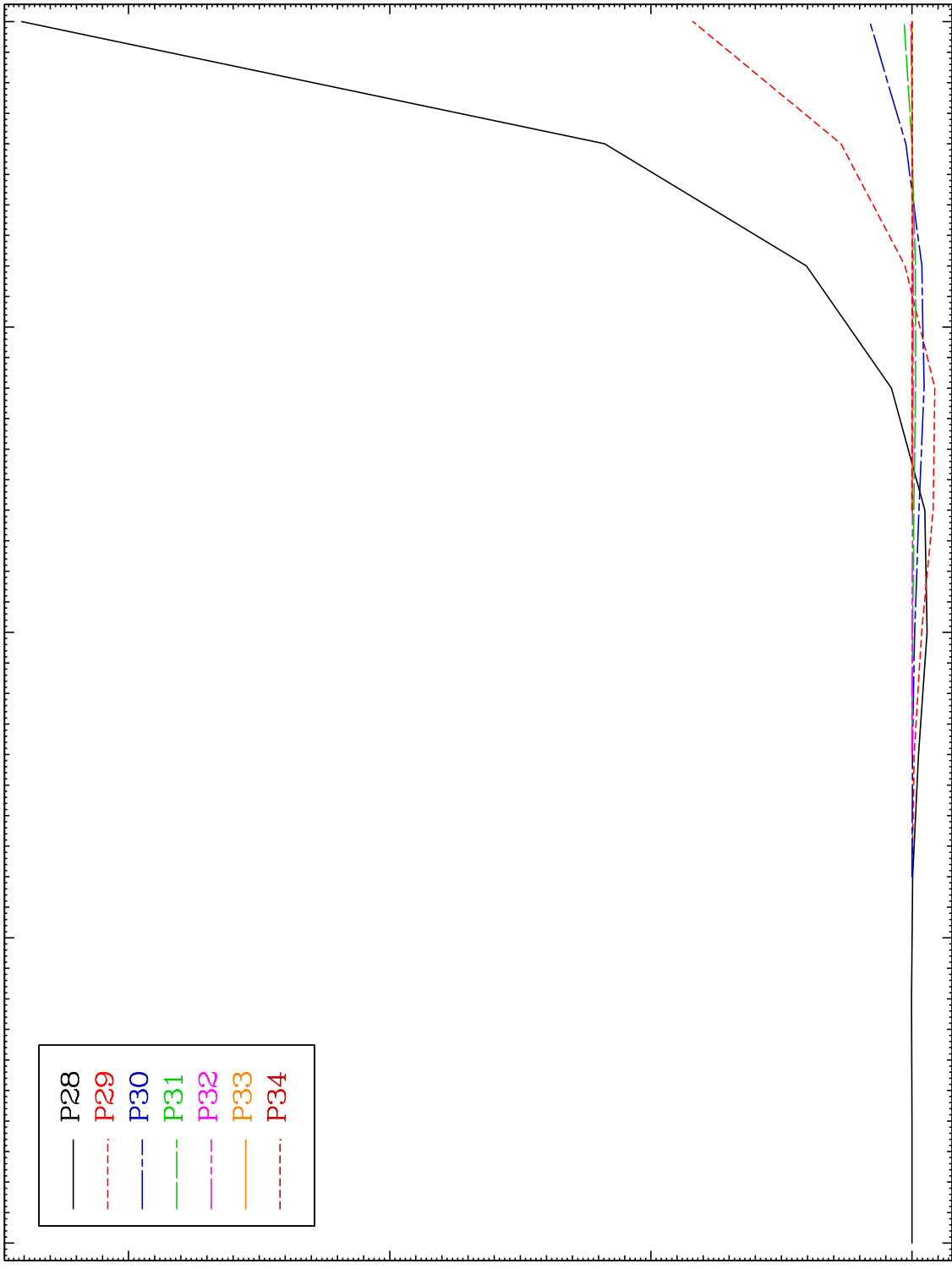
Elastic Legendre Coefficients

65-Tb-144



$\times 10^{-6}$

Legendre (CM)

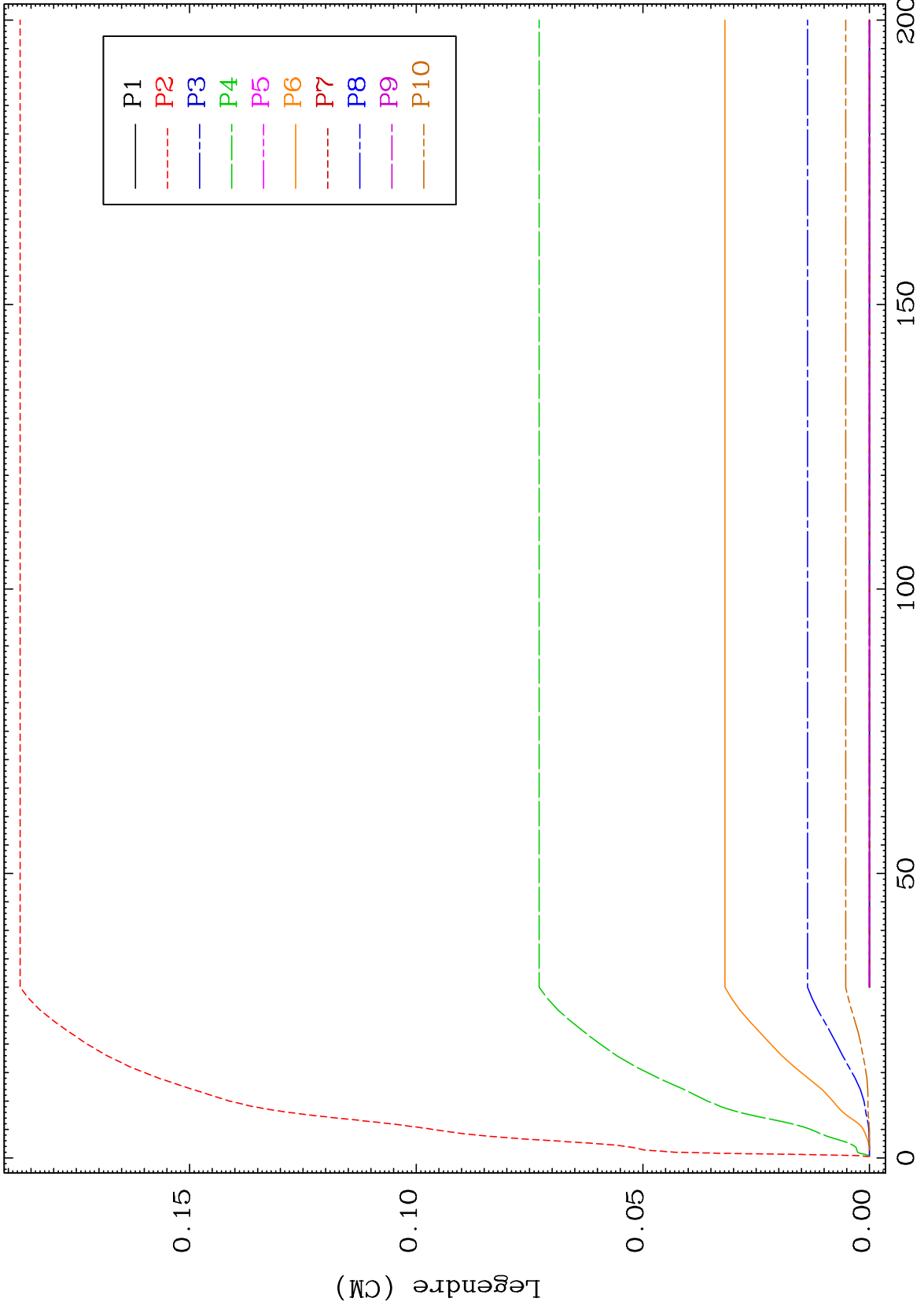


21

Incident Energy (MeV)

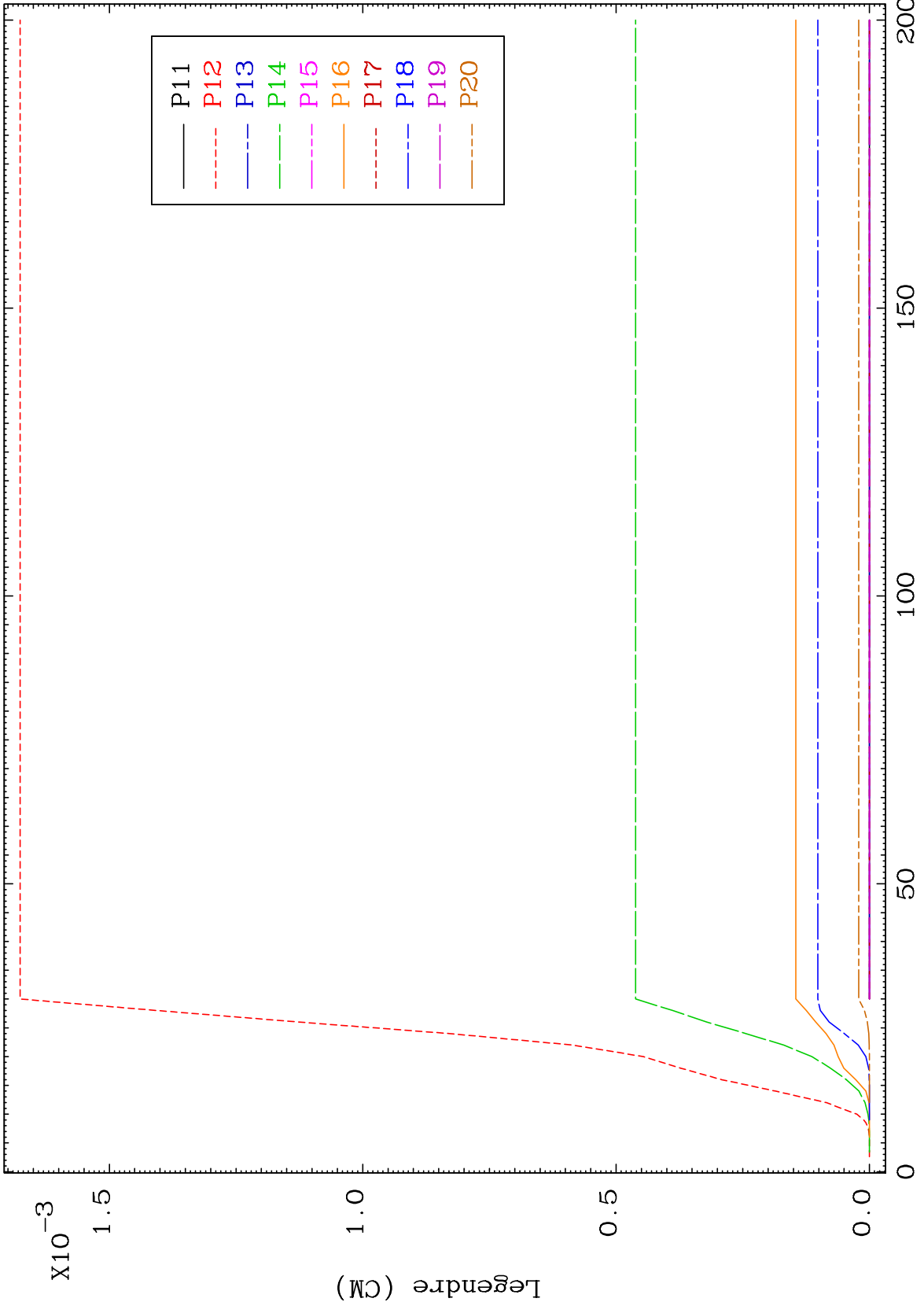
65-Tb-144

MAT 6480 MT= 51 (n,n') Level Legendre Coefficients 65-Tb-144



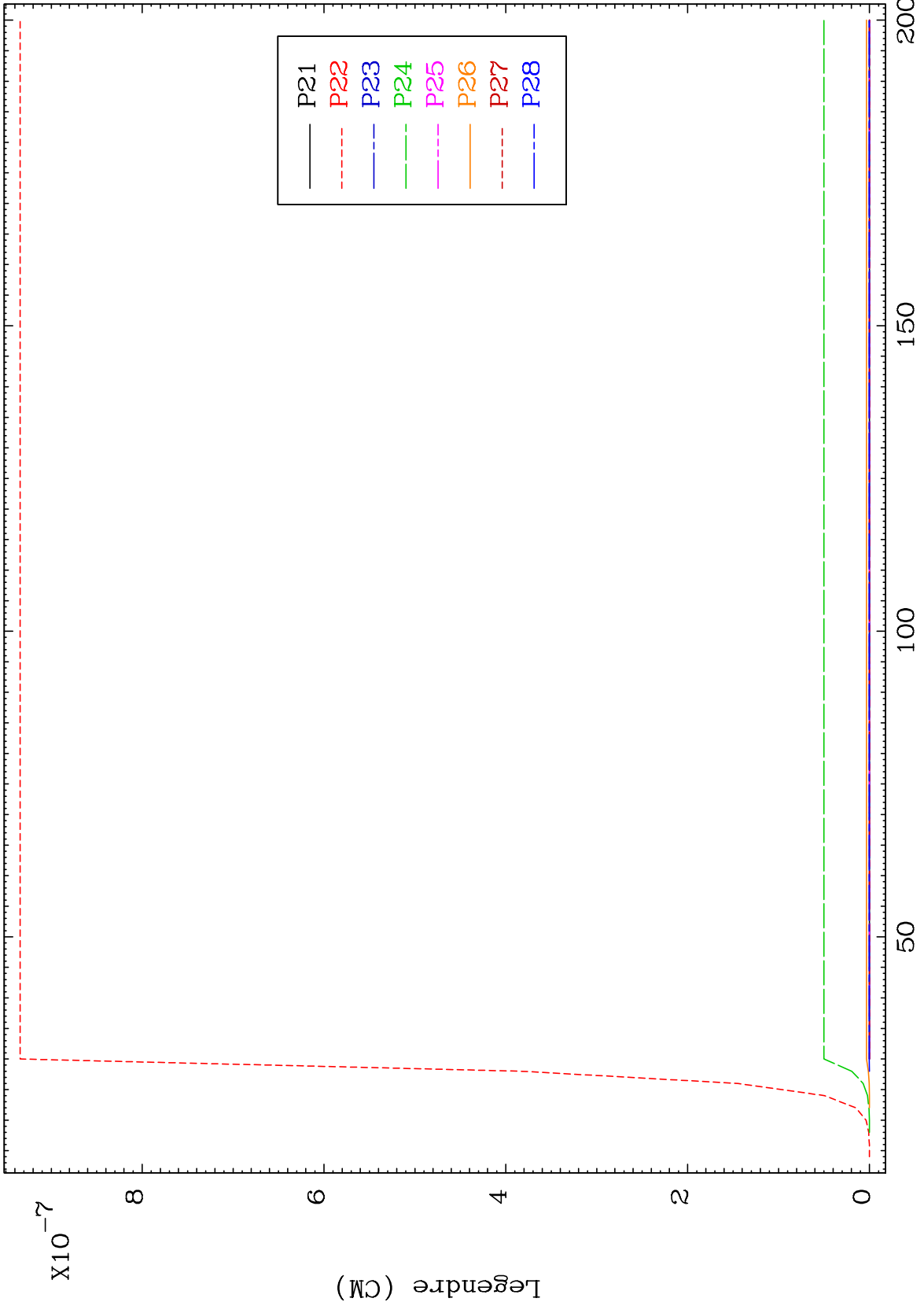
22 65-Tb-144

MAT 6480 MT= 51 (n,n') Level Legendre Coefficients 65-Tb-144



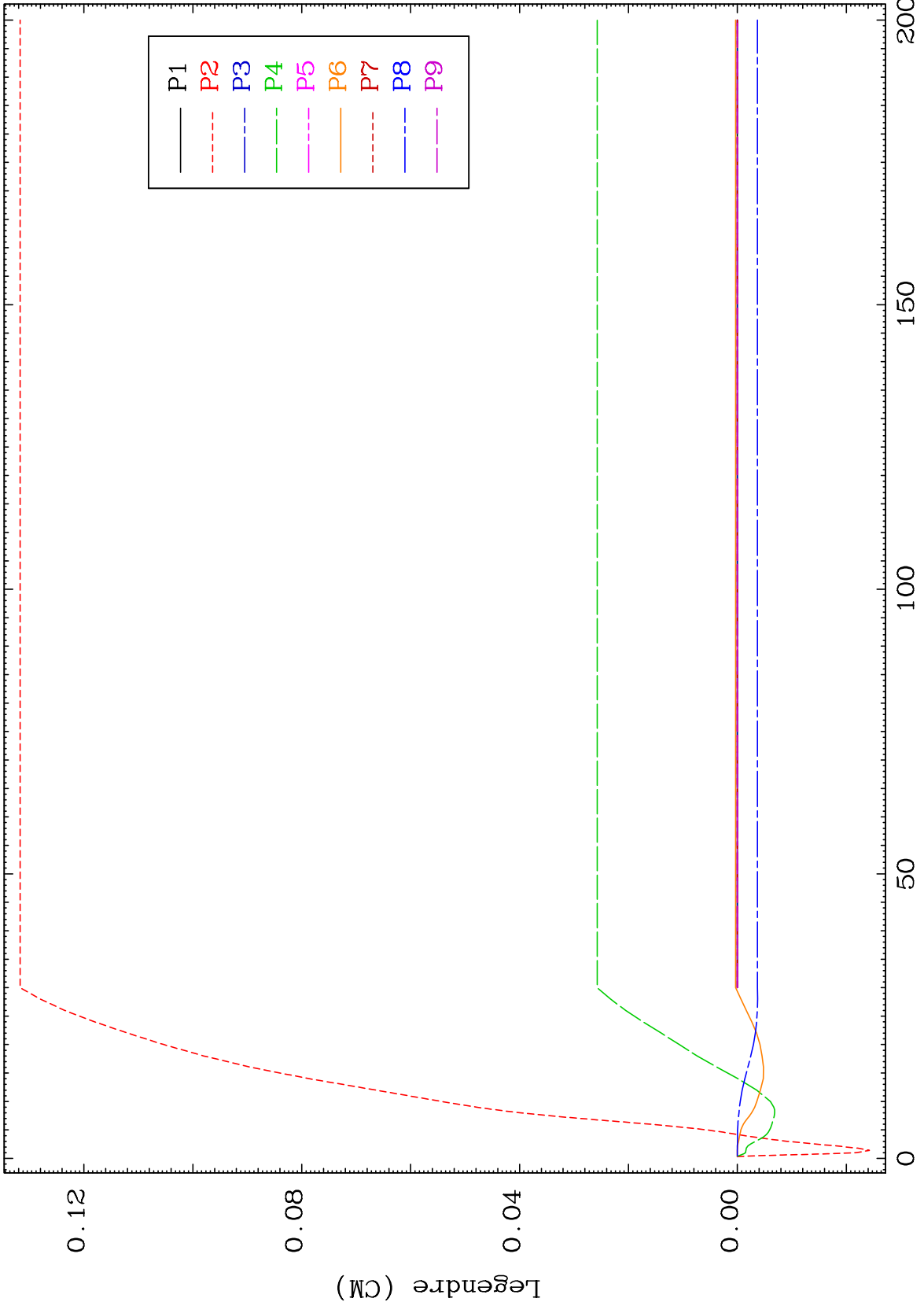
23 65-Tb-144

MAT 6480 MT= 51 (n,n') Level Legendre Coefficients 65-Tb-144



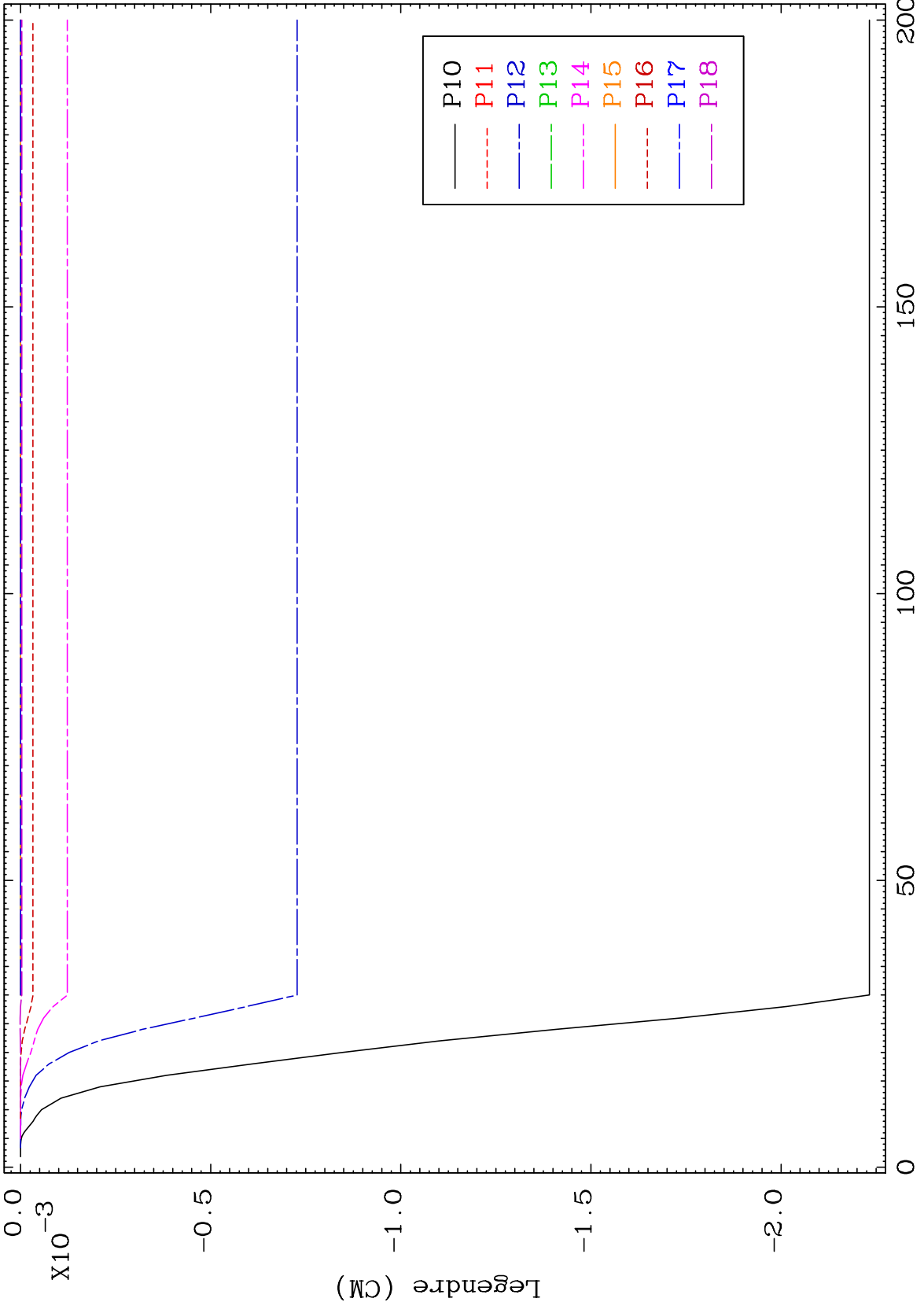
24 Incident Energy (MeV) 65-Tb-144

MAT 6480 MT= 52 (n,n') Level Legendre Coefficients 65-Tb-144



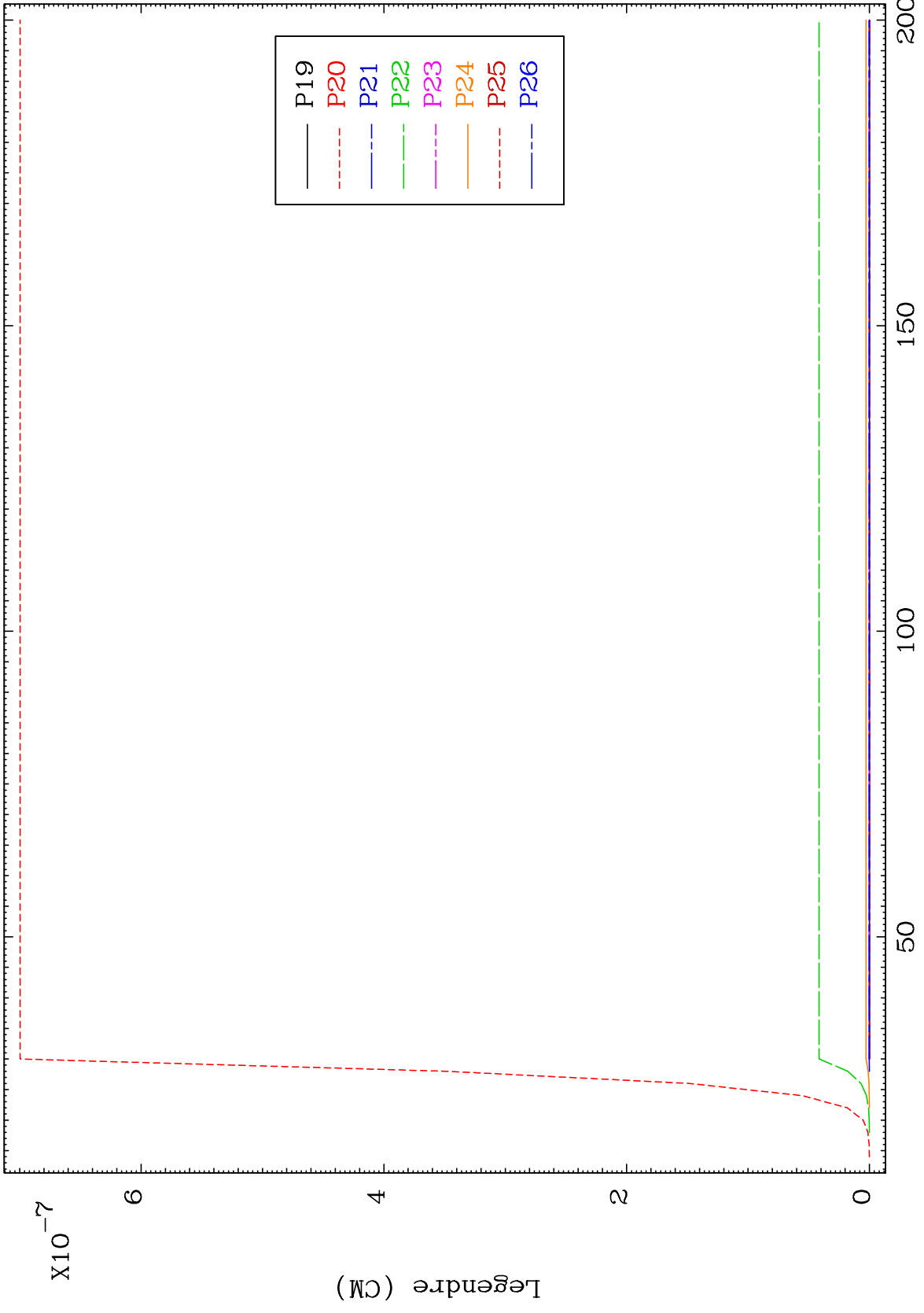
65-Tb-144

MAT 6480 MT= 52 (n,n') Level Legendre Coefficients 65-Tb-144



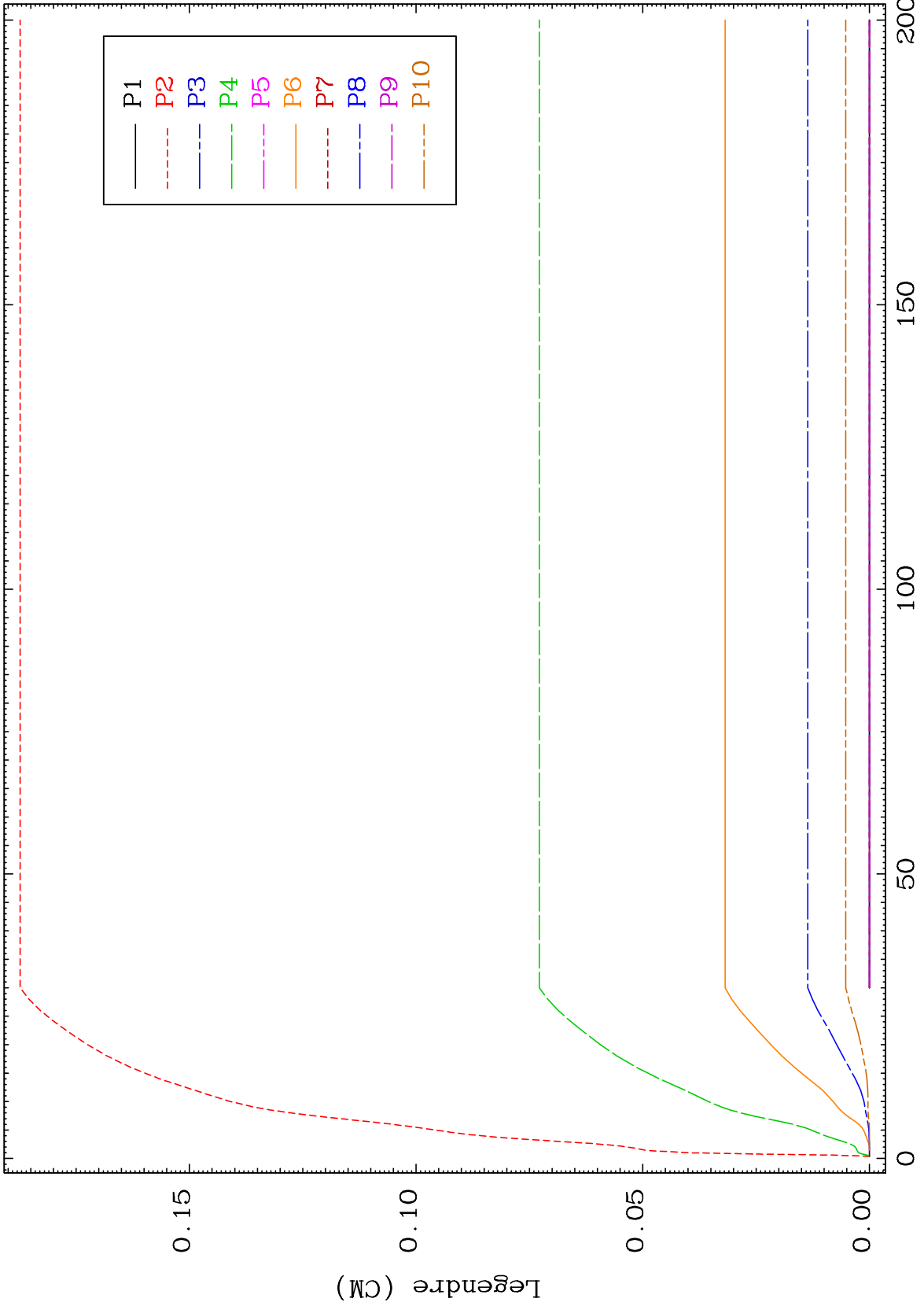
26 65-Tb-144

MAT 6480 MT= 52 (n,n') Level Legendre Coefficients 65-Tb-144



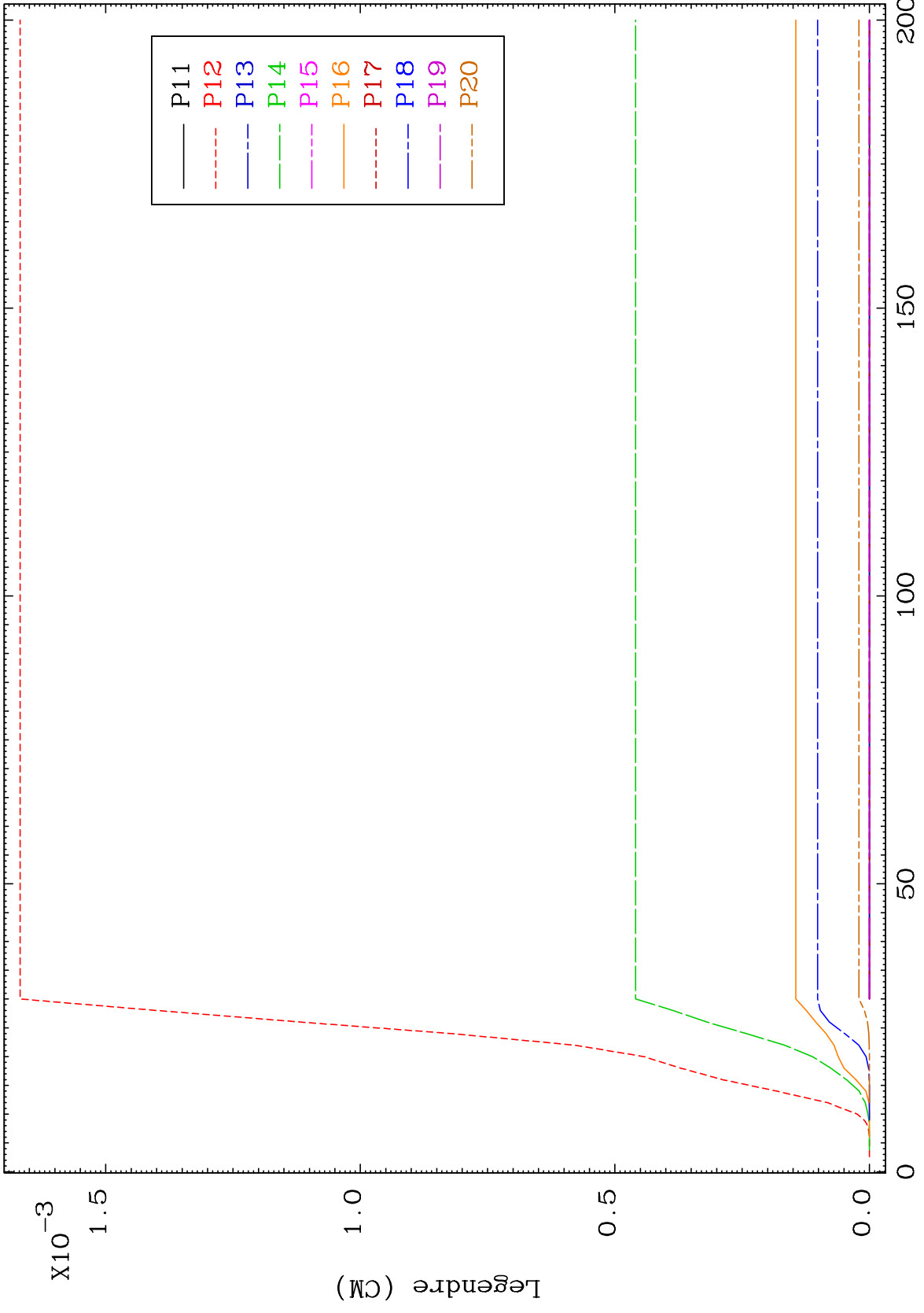
27 65-Tb-144

MAT 6480 MT= 53 (n,n') Level Legendre Coefficients 65-Tb-144



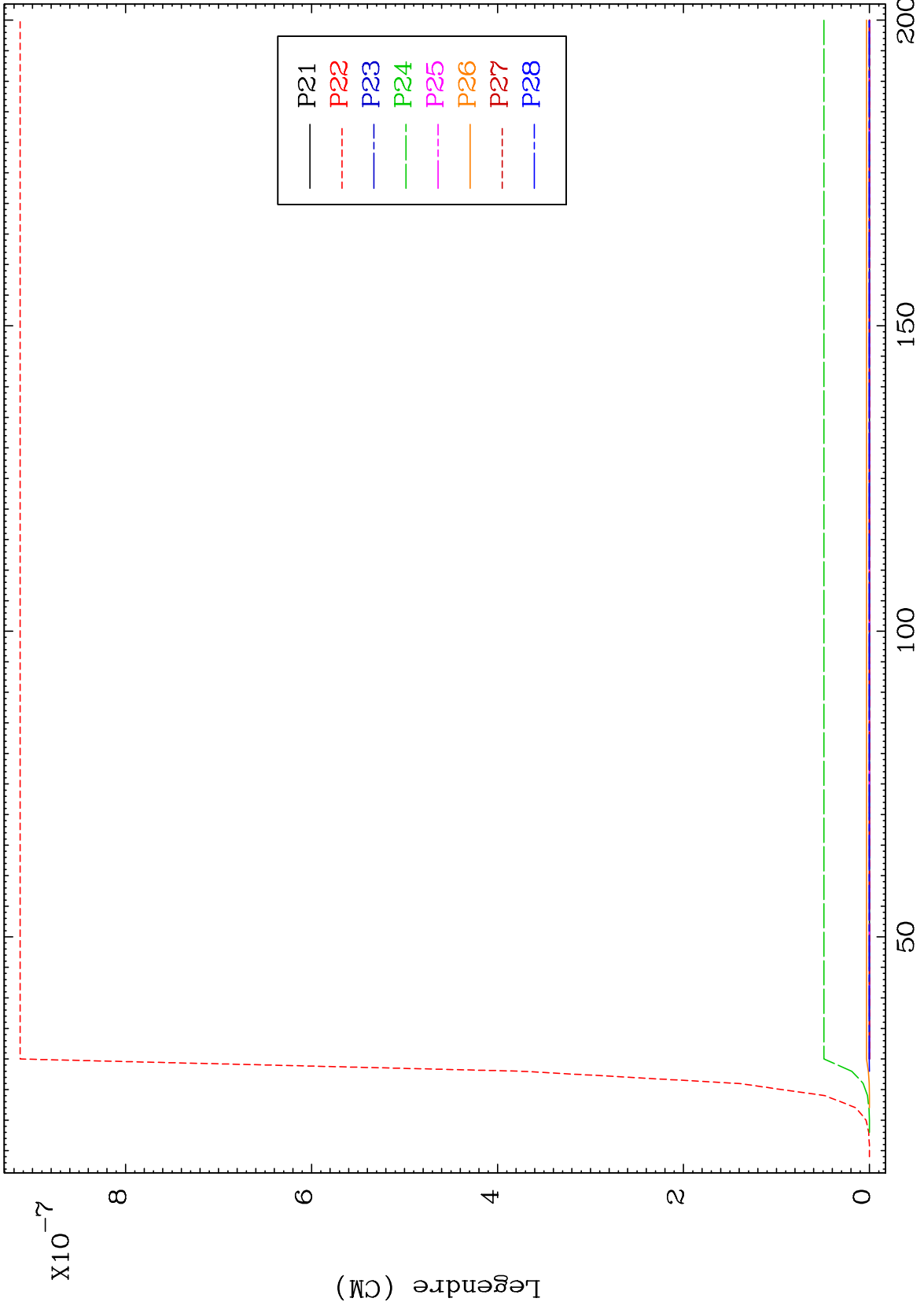
28 Incident Energy (MeV) 65-Tb-144

MAT 6480 MT= 53 (n,n') Level Legendre Coefficients 65-Tb-144



29 65-Tb-144

MAT 6480 MT= 53 (n,n') Level Legendre Coefficients 65-Tb-144

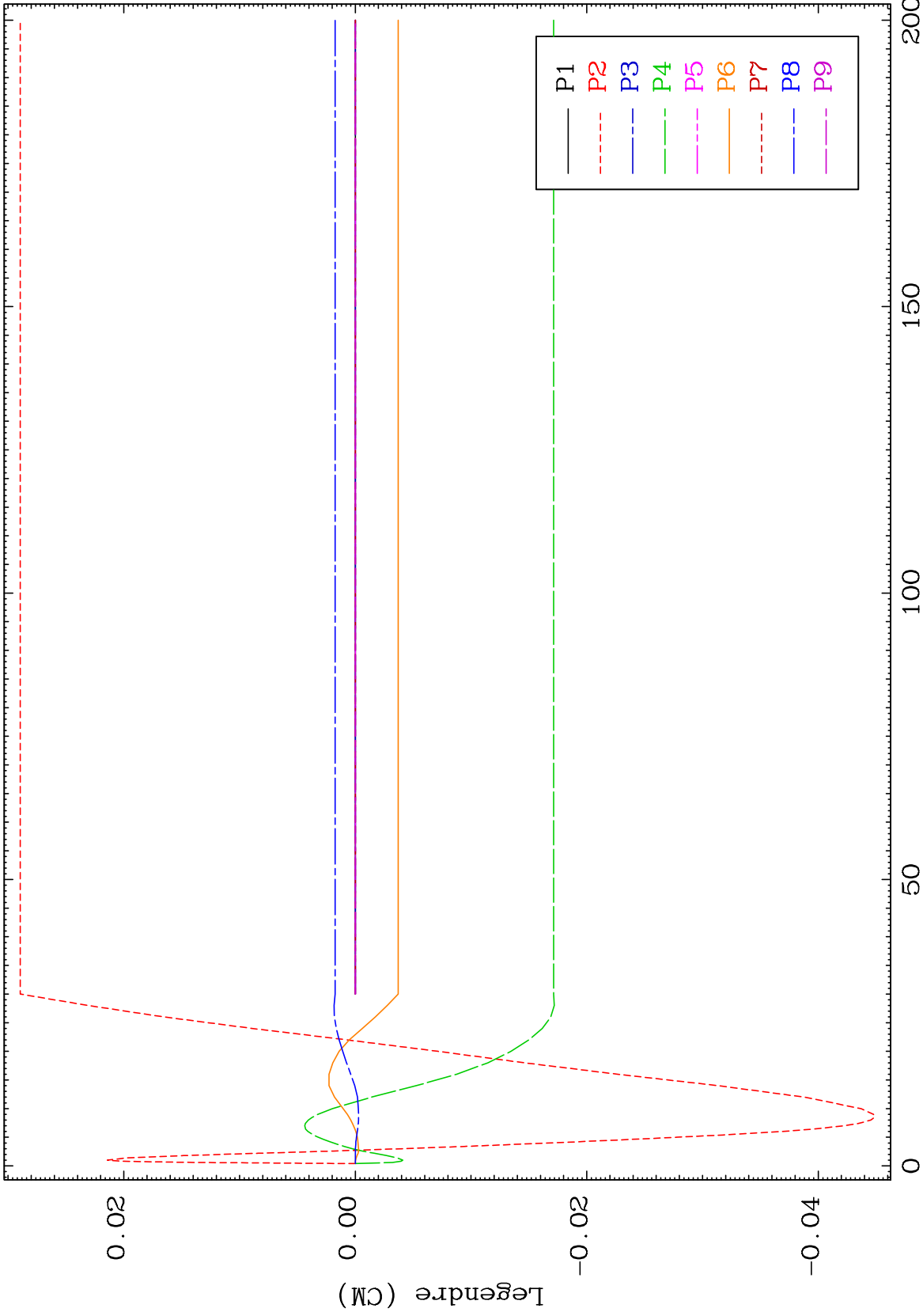


65-Tb-144

MAT 6480

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

65-Tb-144



31

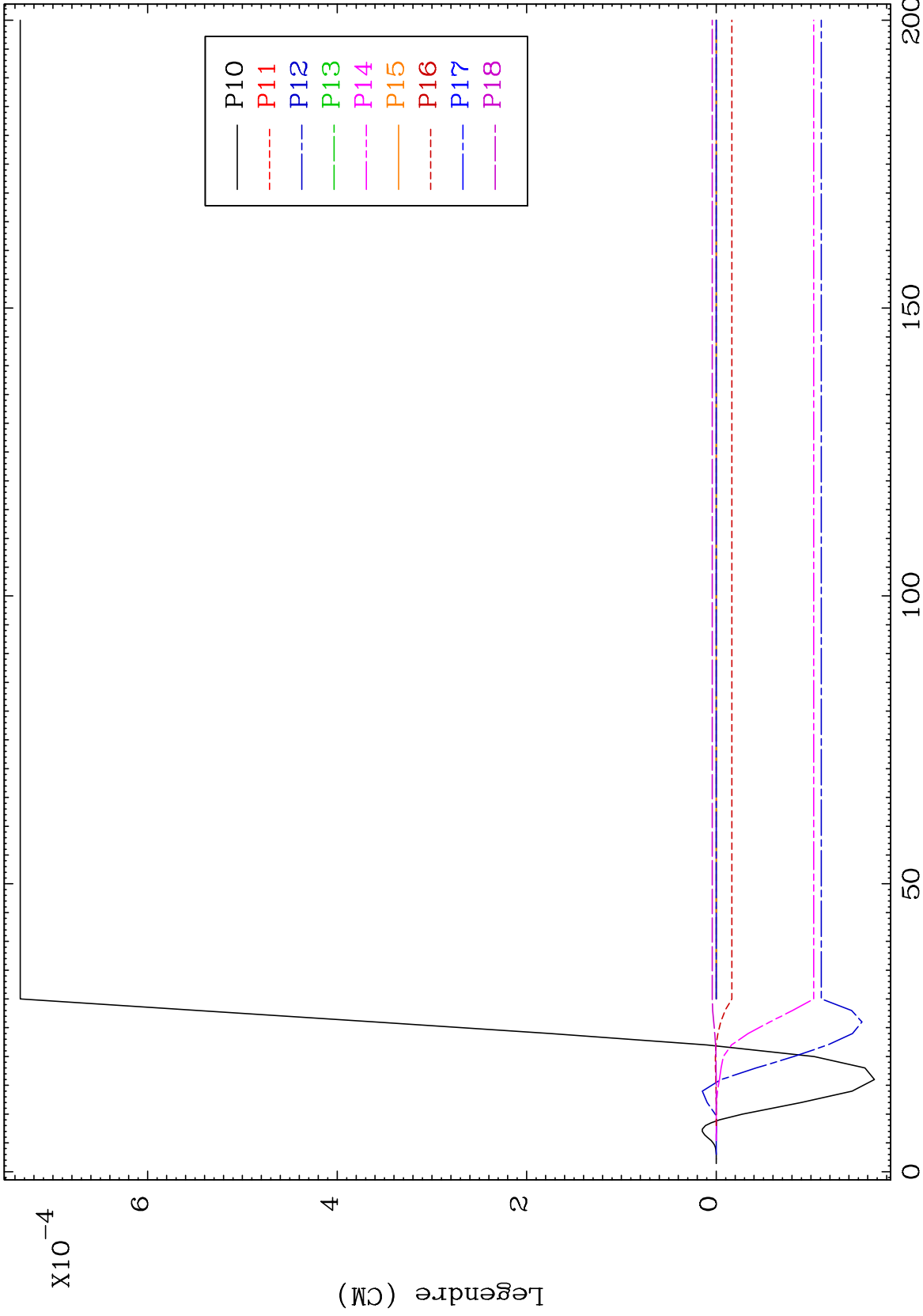
Incident Energy (MeV)

65-Tb-144

MAT 6480

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

65-Tb-144

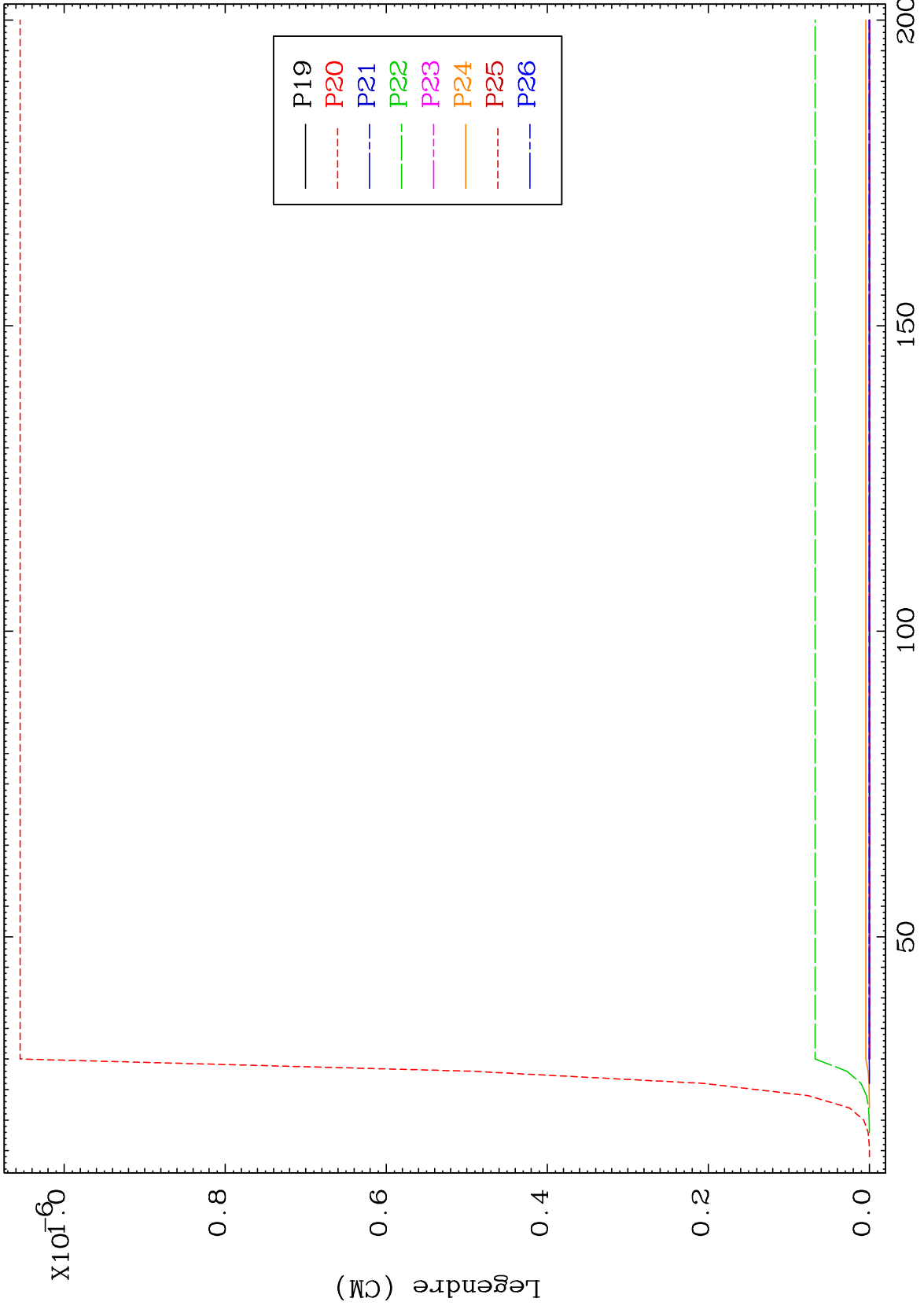


32

Incident Energy (MeV)

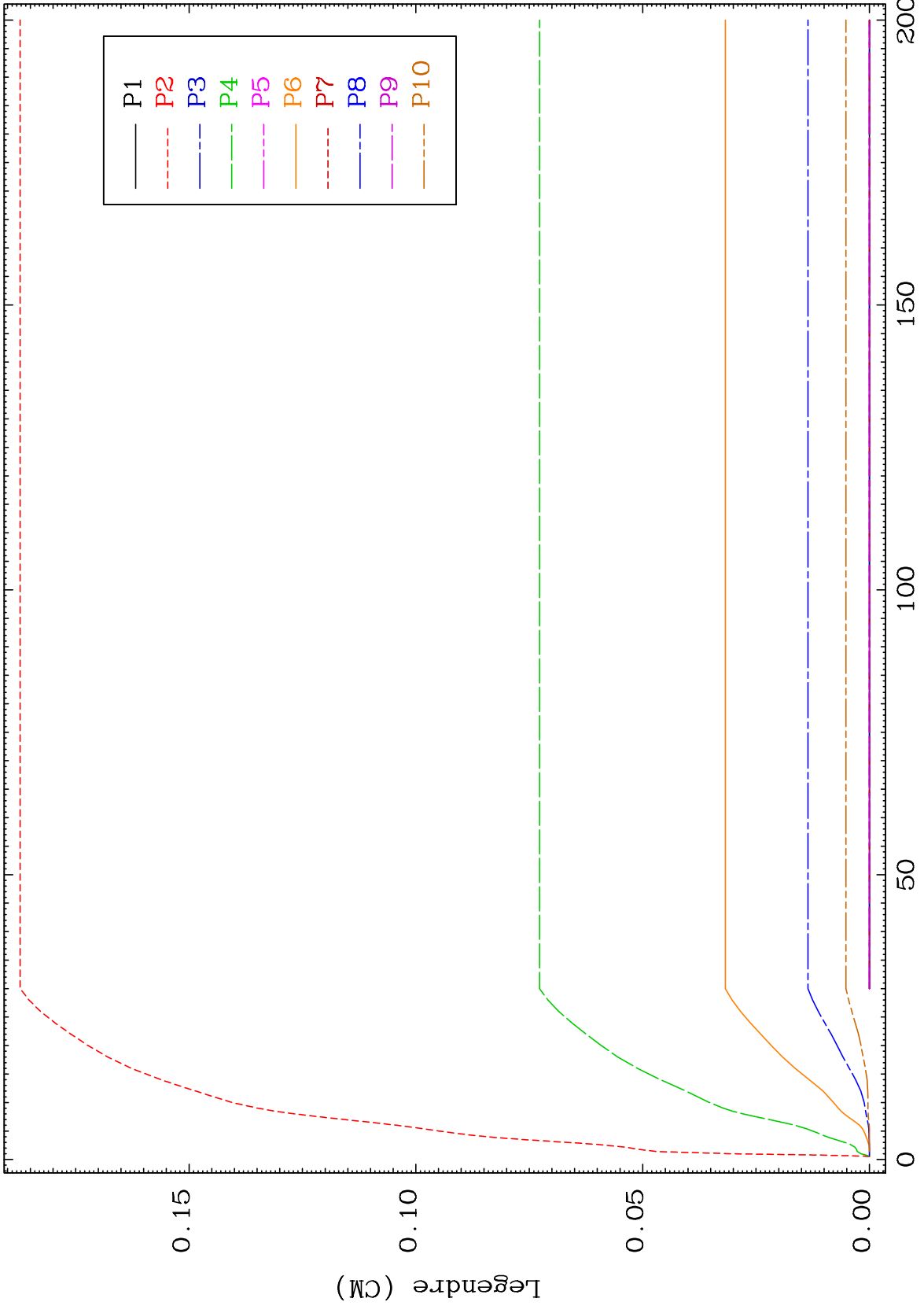
65-Tb-144

MAT 6480 MT= 54 (n,n') Level Legendre Coefficients 65-Tb-144



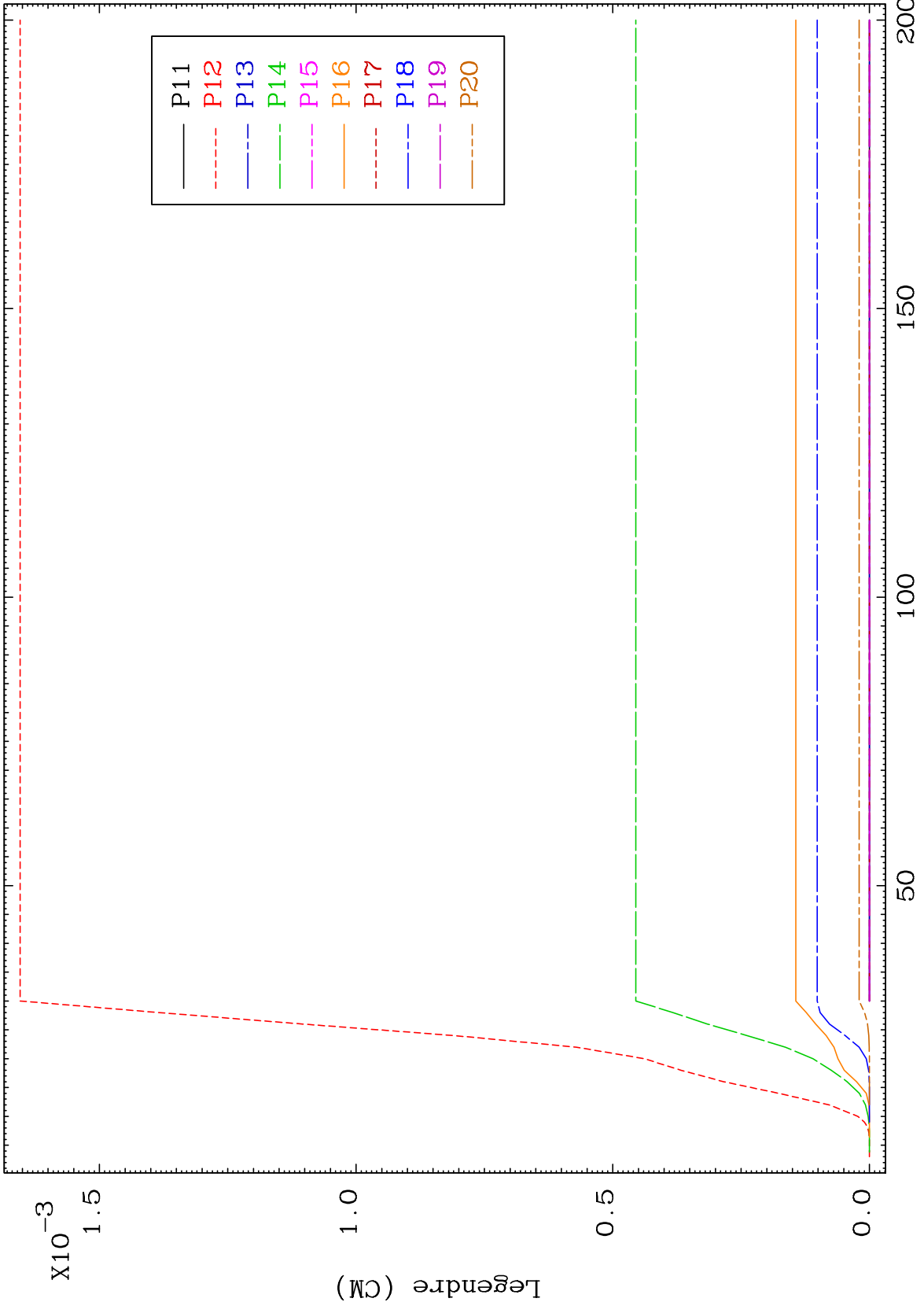
33 65-Tb-144

MAT 6480 MT= 55 (n,n') Level Legendre Coefficients 65-Tb-144



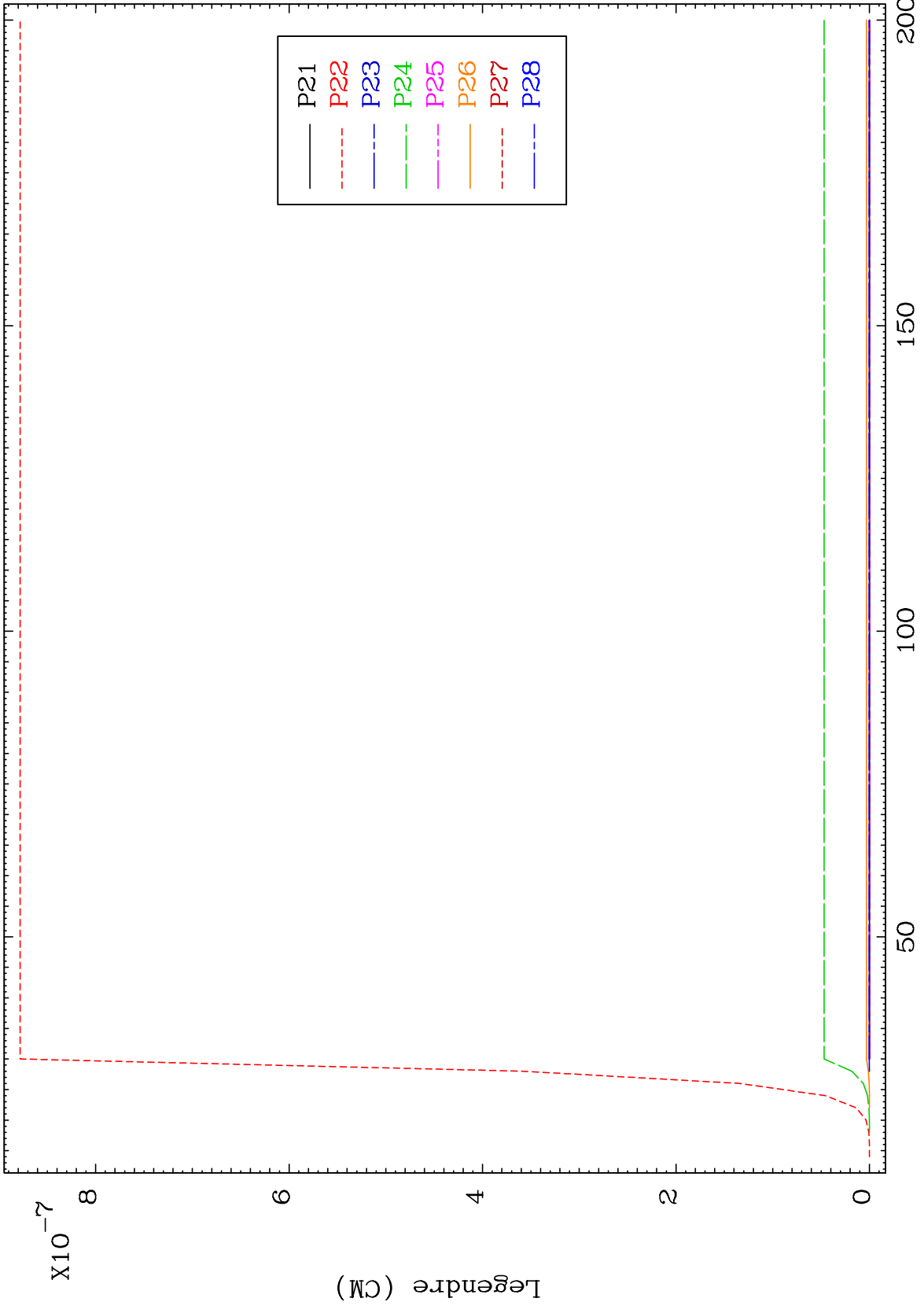
34 65-Tb-144

MAT 6480 MT= 55 (n,n') Level Legendre Coefficients 65-Tb-144

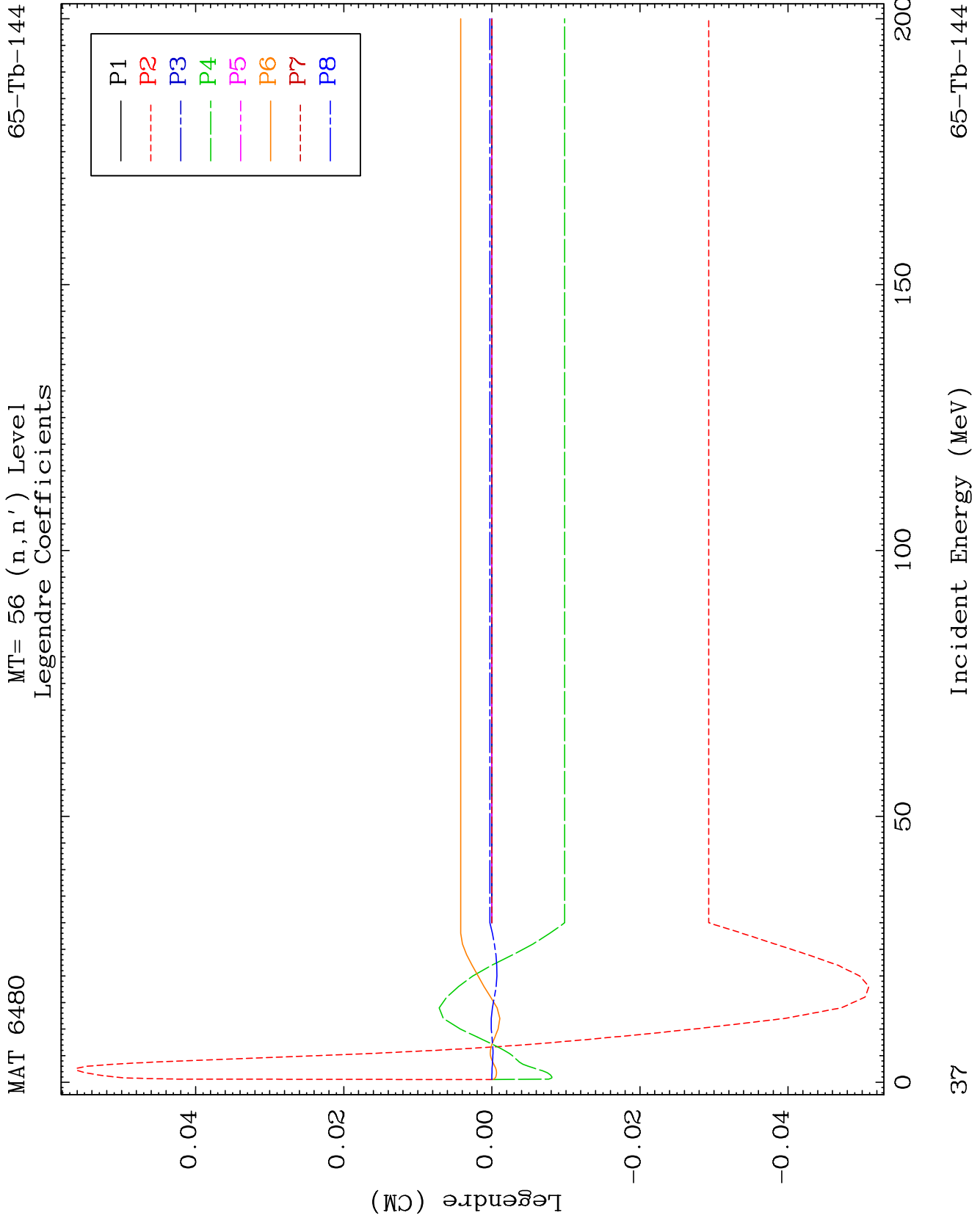


35 Incident Energy (MeV) 65-Tb-144

MAT 6480 MT= 55 (n,n') Level Legendre Coefficients 65-Tb-144



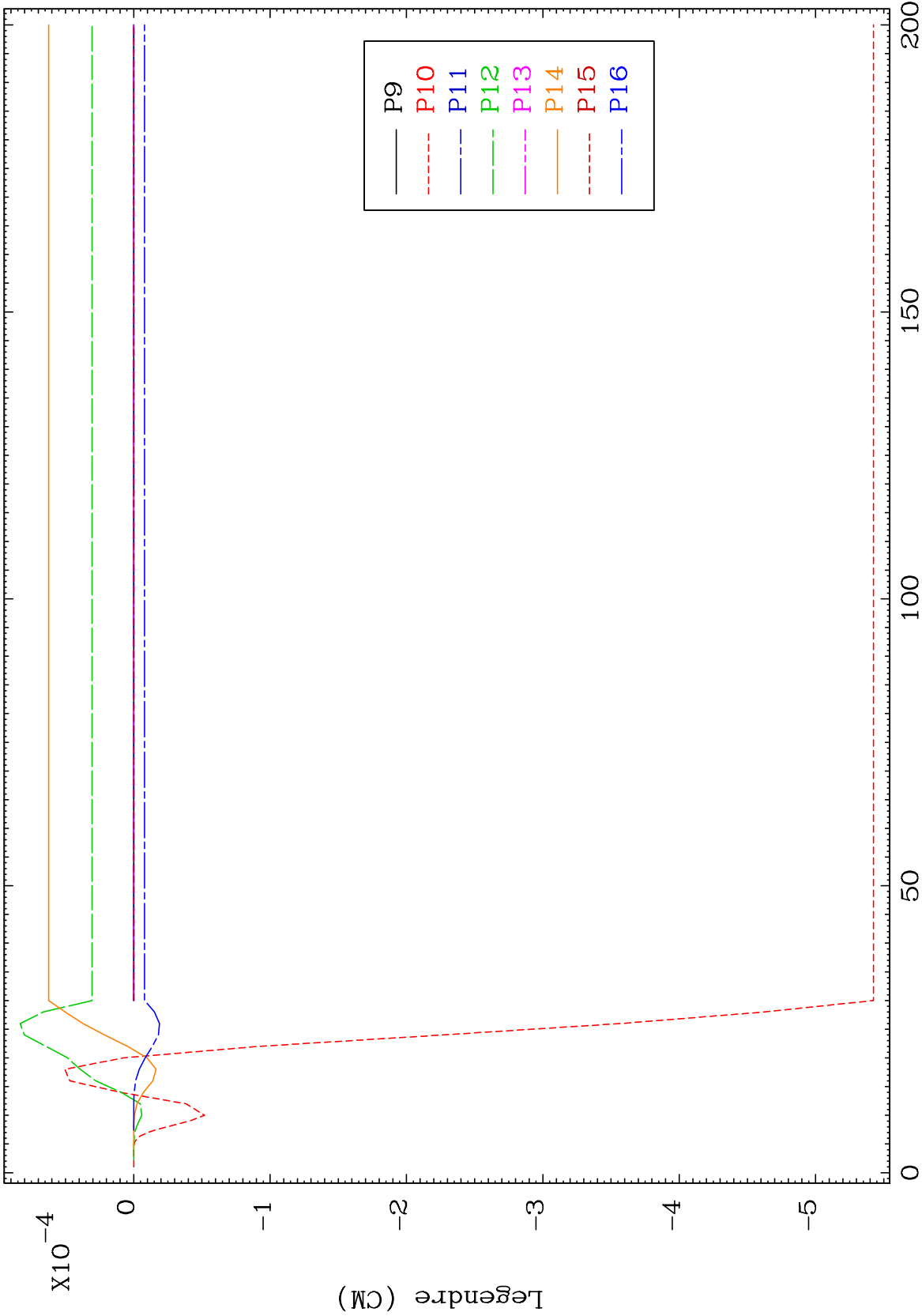
36 50 100 150 200 65-Tb-144



MAT 6480

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

65-Tb-144



38

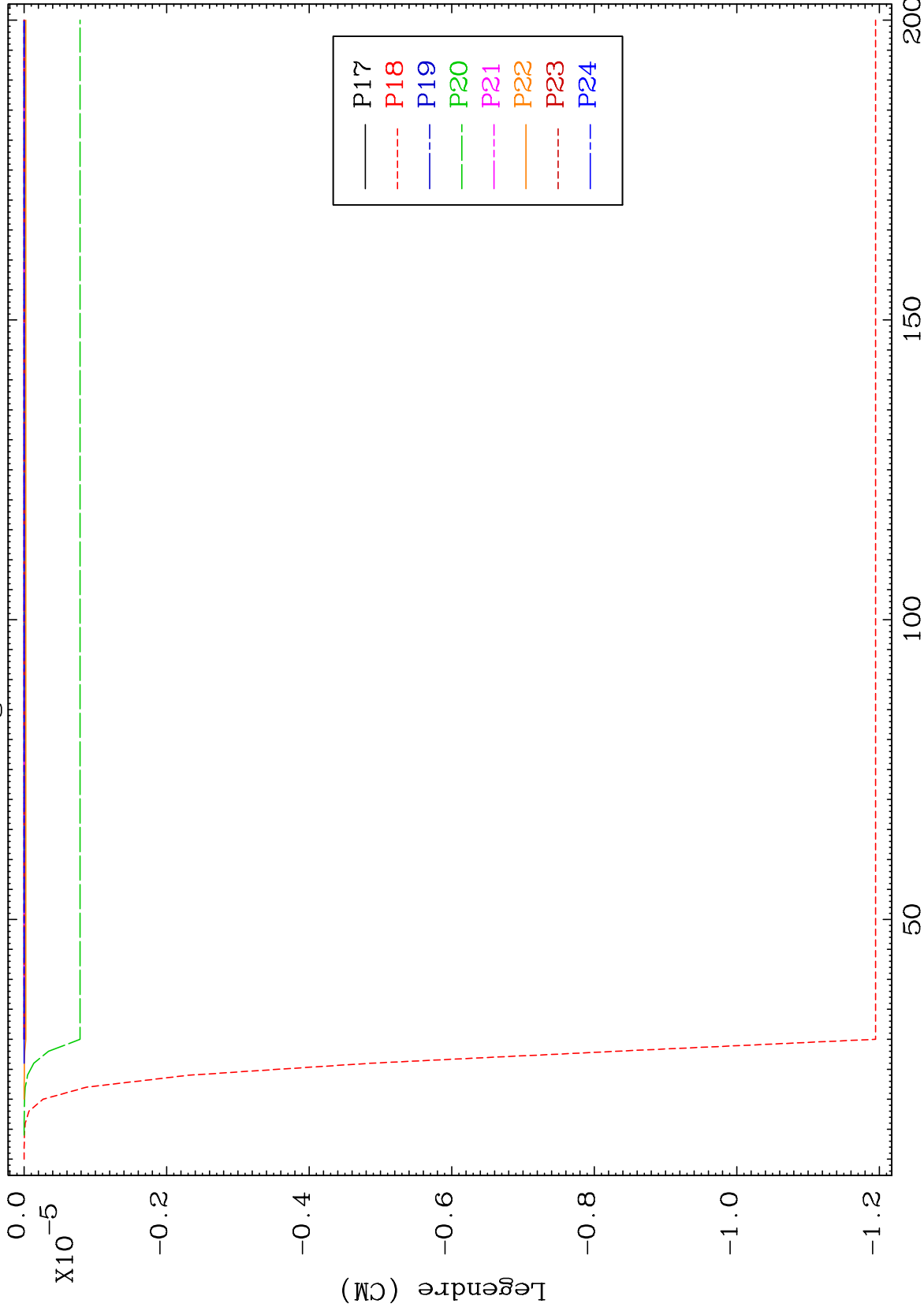
Incident Energy (MeV)

65-Tb-144

MAT 6480

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

65-Tb-144



65-Tb-144

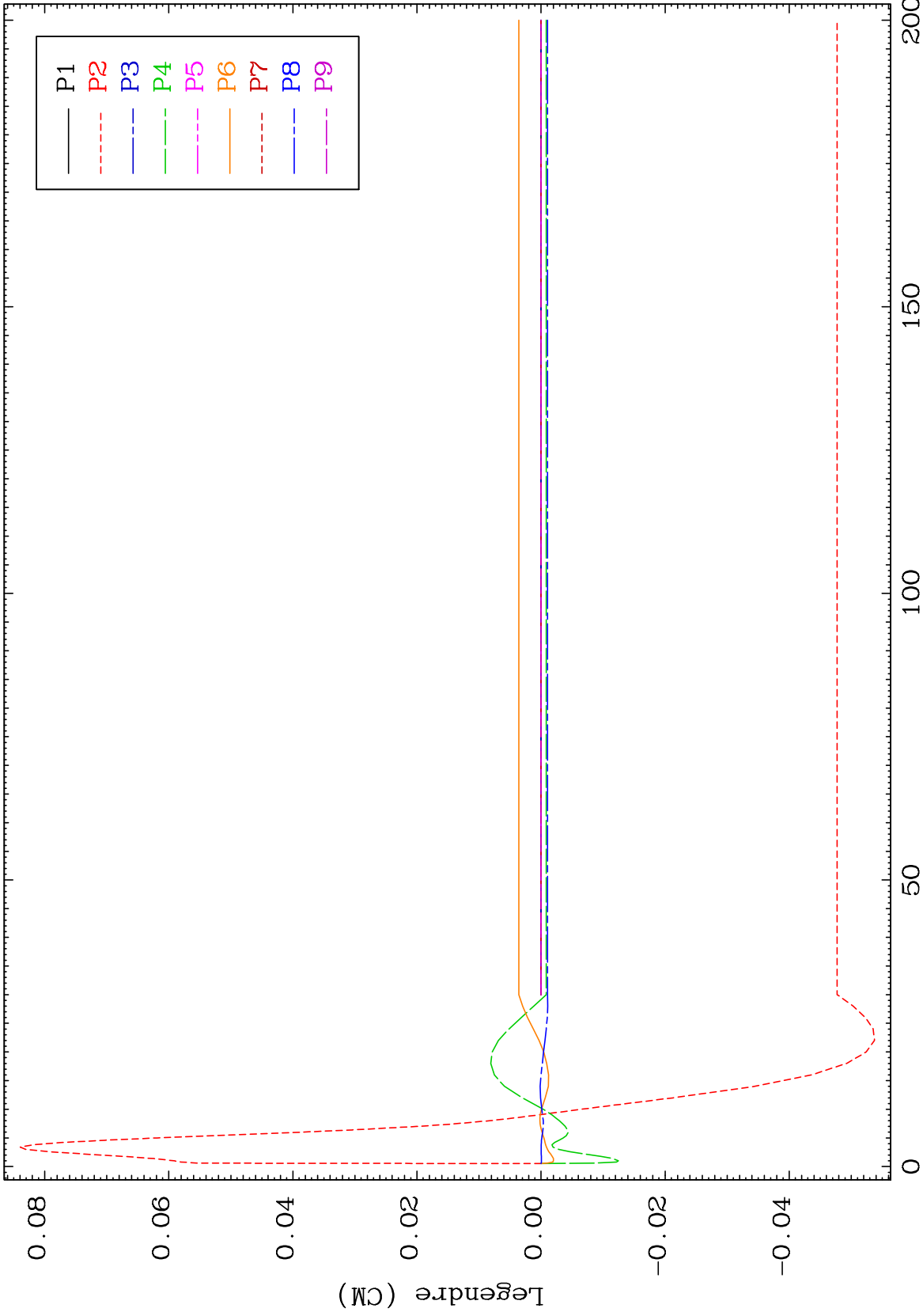
Incident Energy (MeV)

39

MAT 6480

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

65-Tb-144



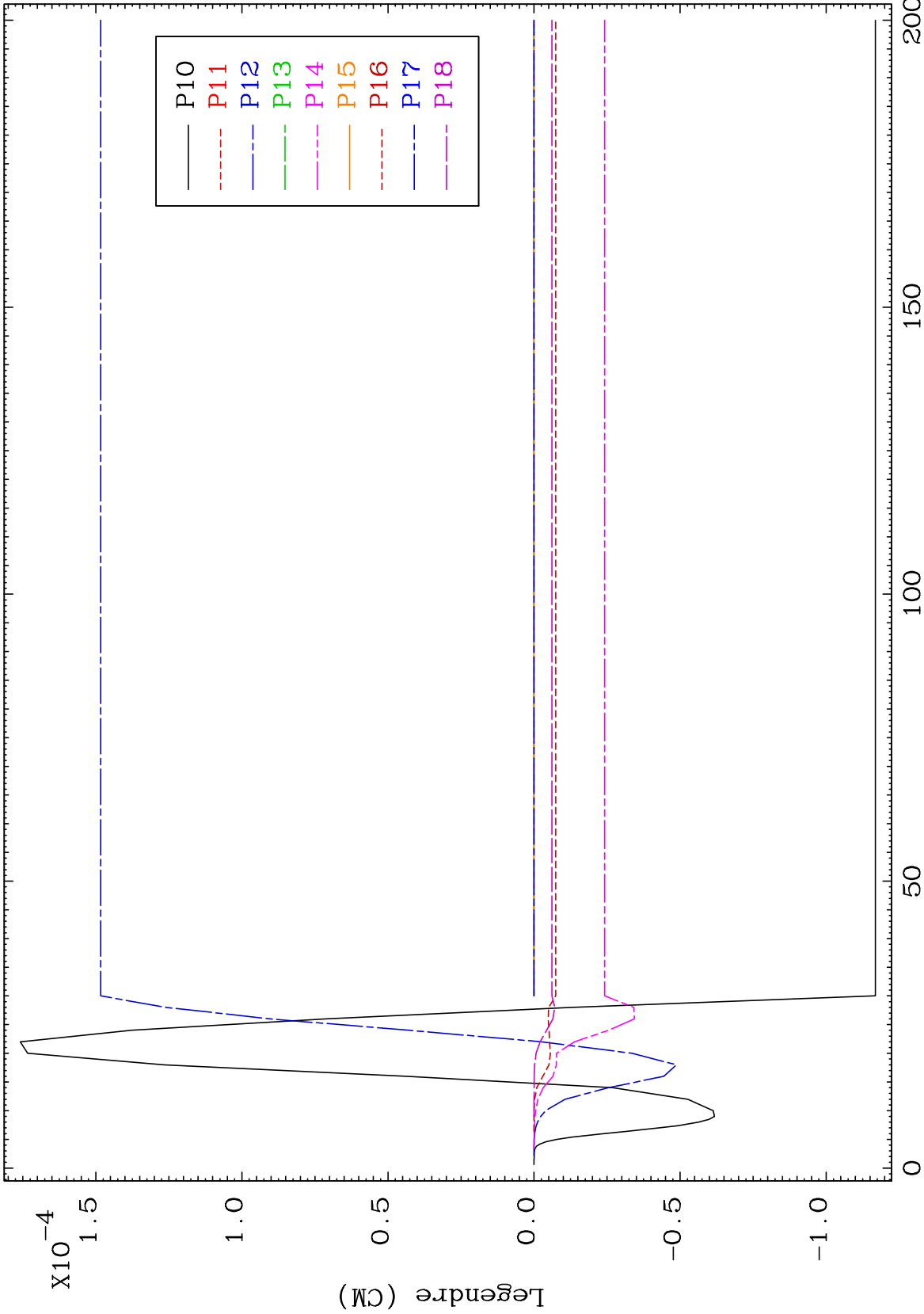
65-Tb-144

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MAT 6480

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

65-Tb-144

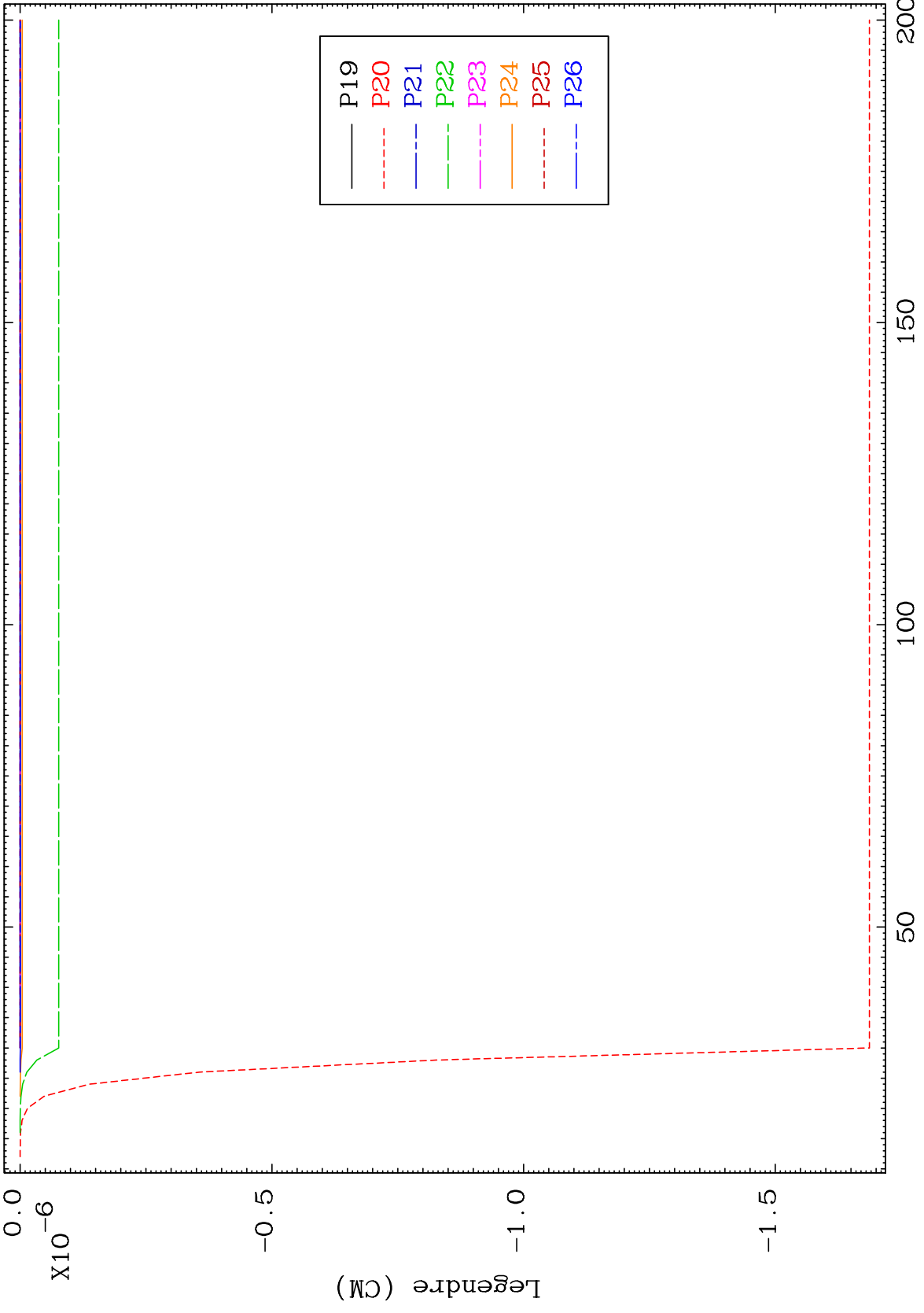


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Incident Energy (MeV)

65-Tb-144

MAT 6480 MT= 57 (n,n') Level Legendre Coefficients 65-Tb-144

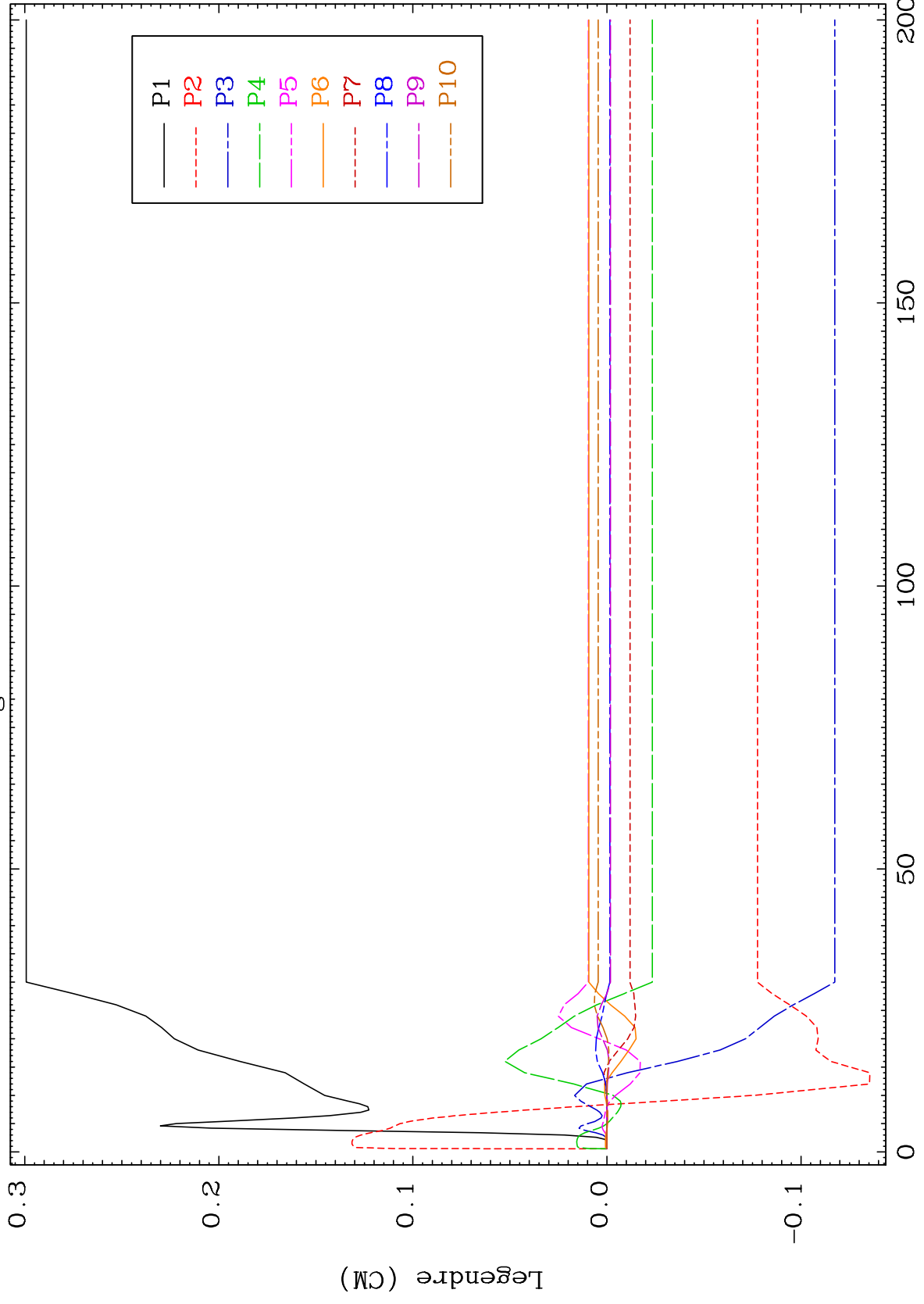


42 Incident Energy (MeV) 65-Tb-144

MAT 6480

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

65-Tb-144



43

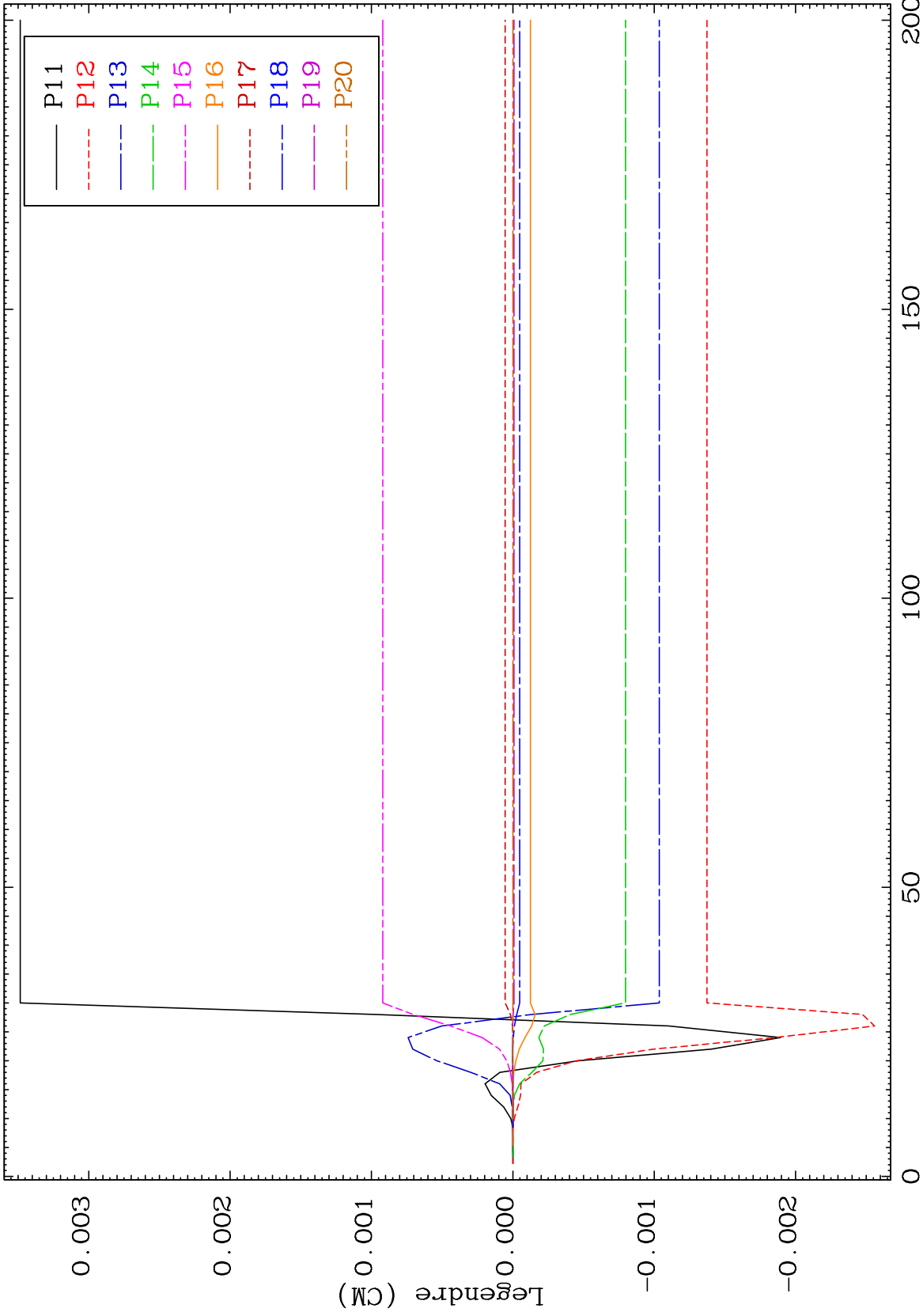
Incident Energy (MeV)

65-Tb-144

MAT 6480

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

65-Tb-144



44

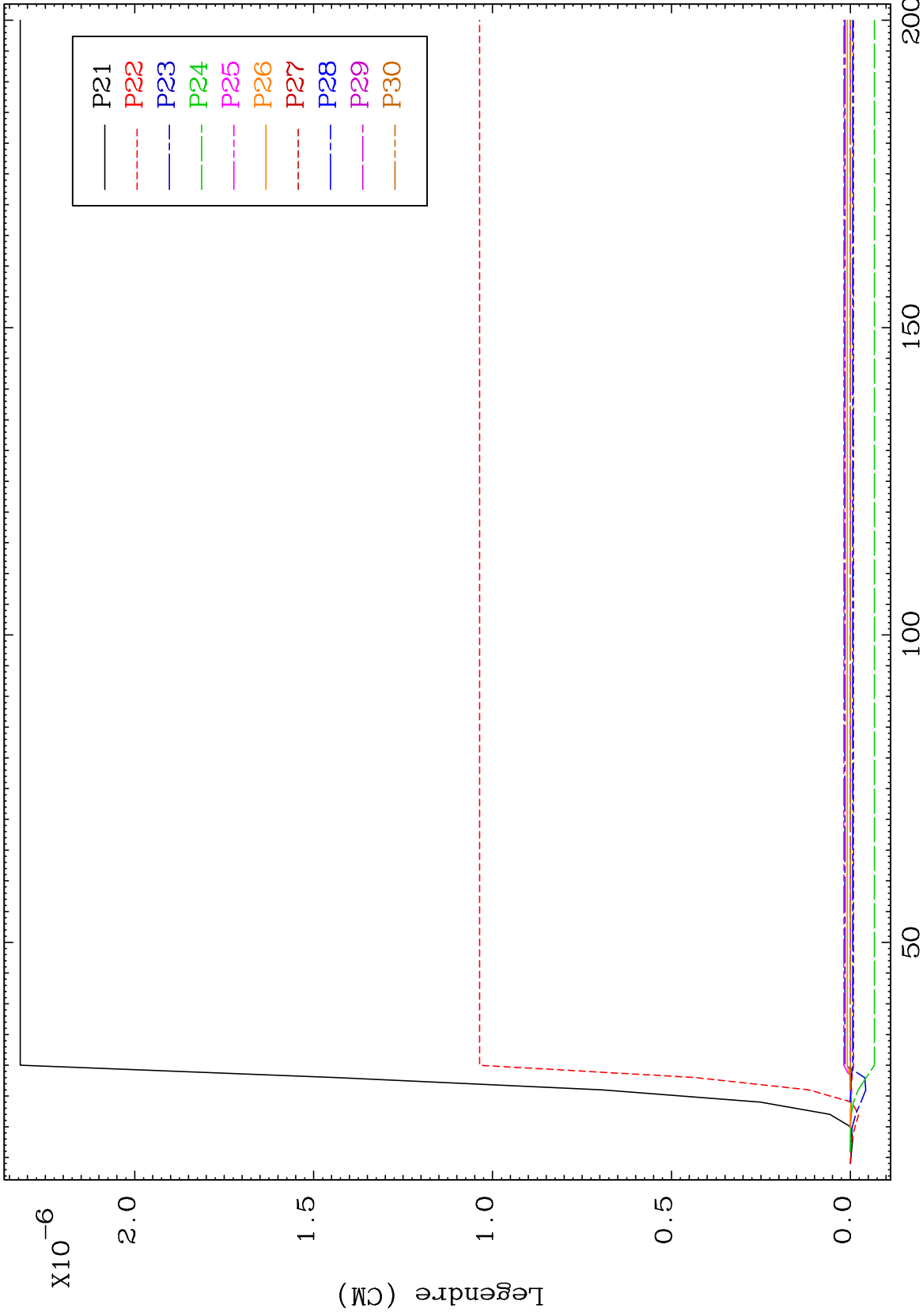
Incident Energy (MeV)

65-Tb-144

MAT 6480

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

65-Tb-144



65-Tb-144

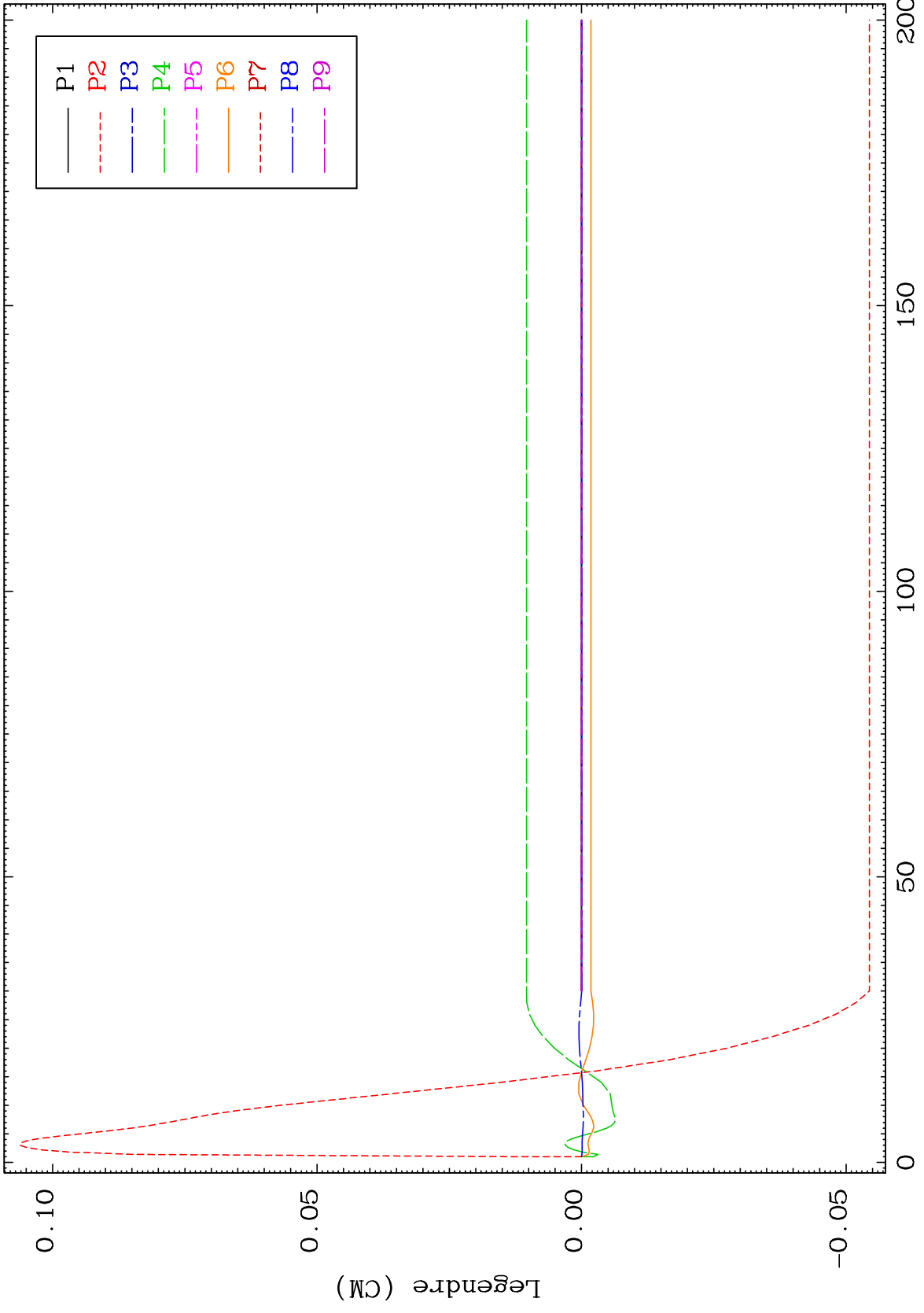
Incident Energy (MeV)

45

MAT 6480

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

65-Tb-144



46

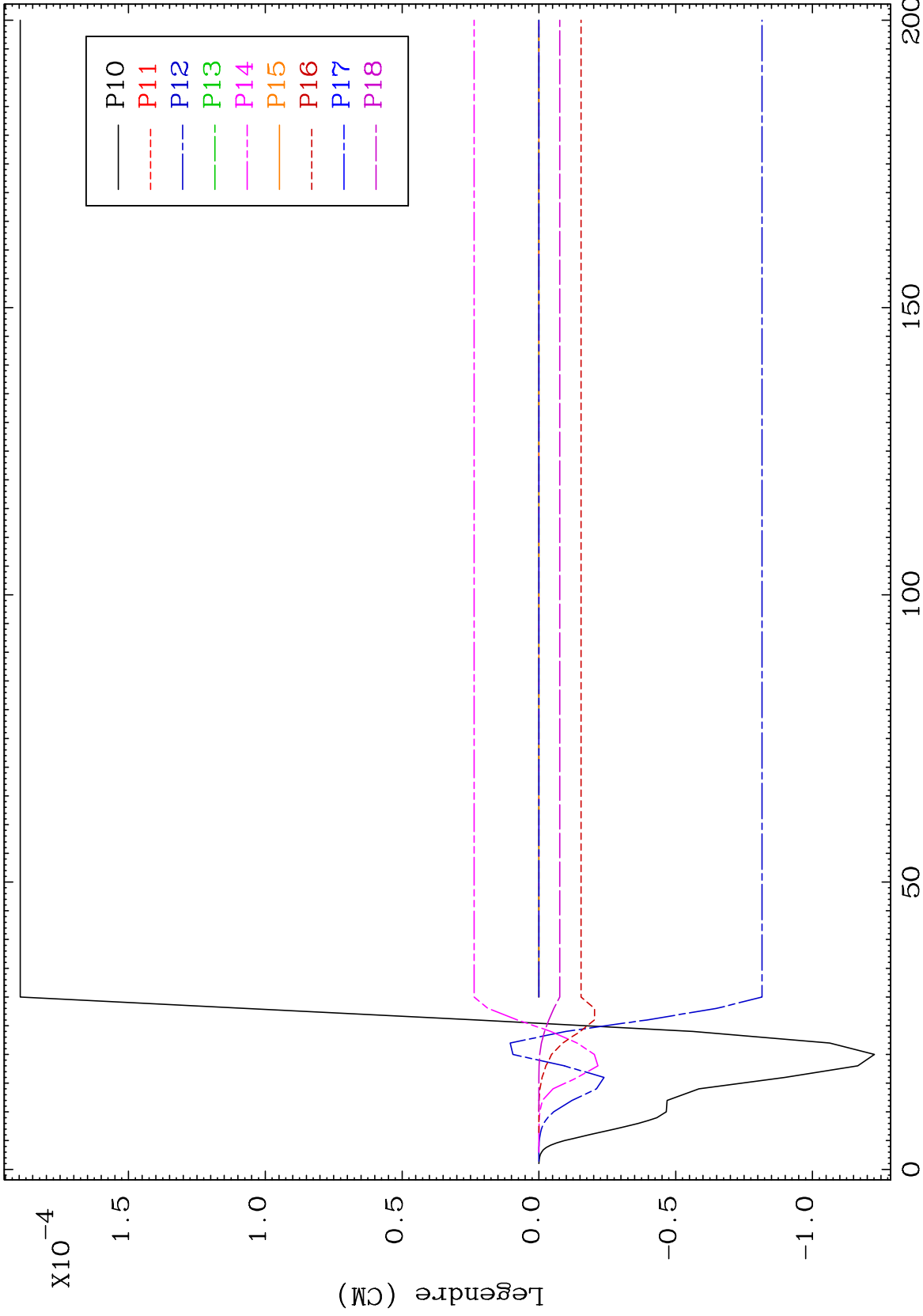
Incident Energy (MeV)

65-Tb-144

MAT 6480

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

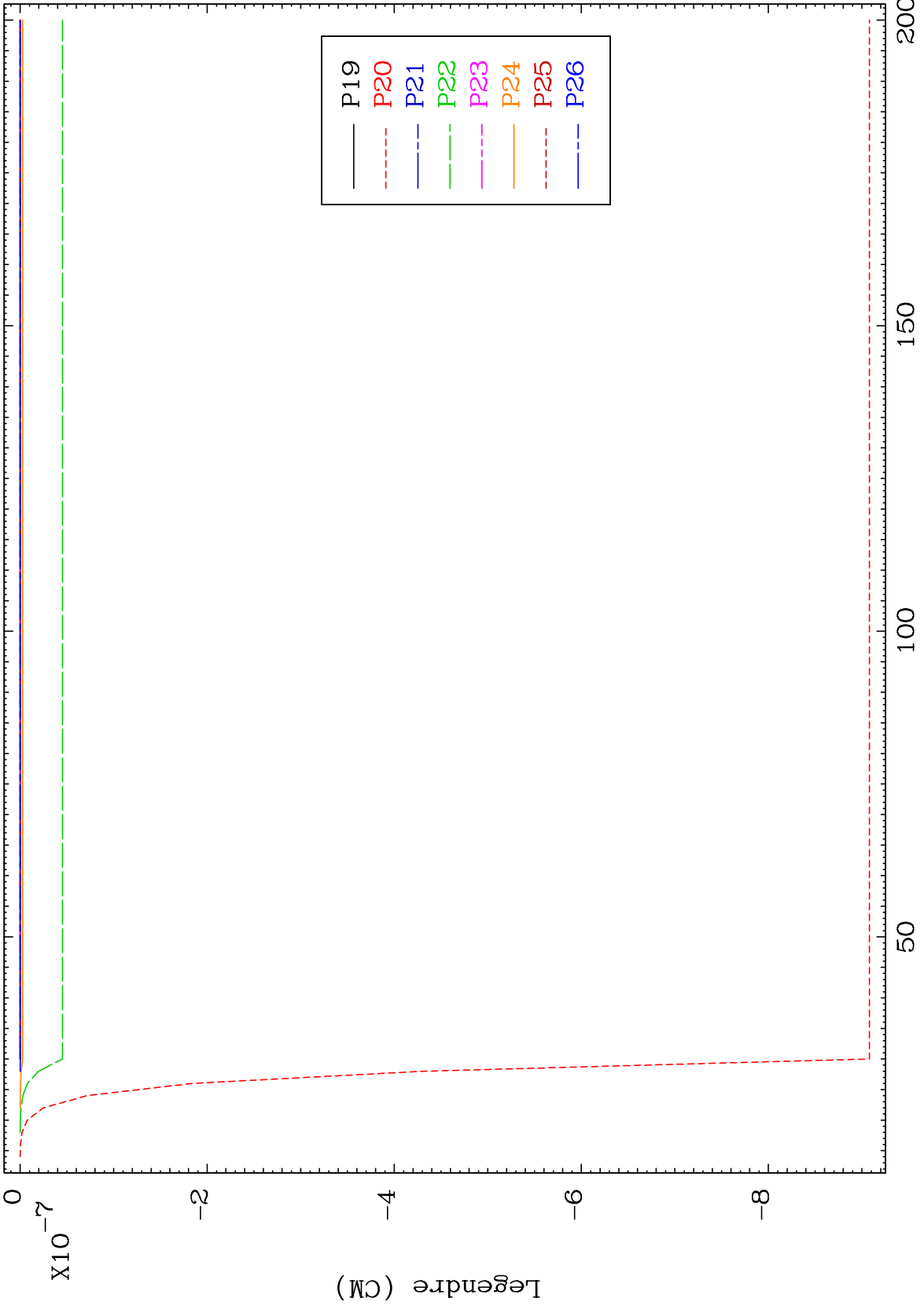
65-Tb-144



47

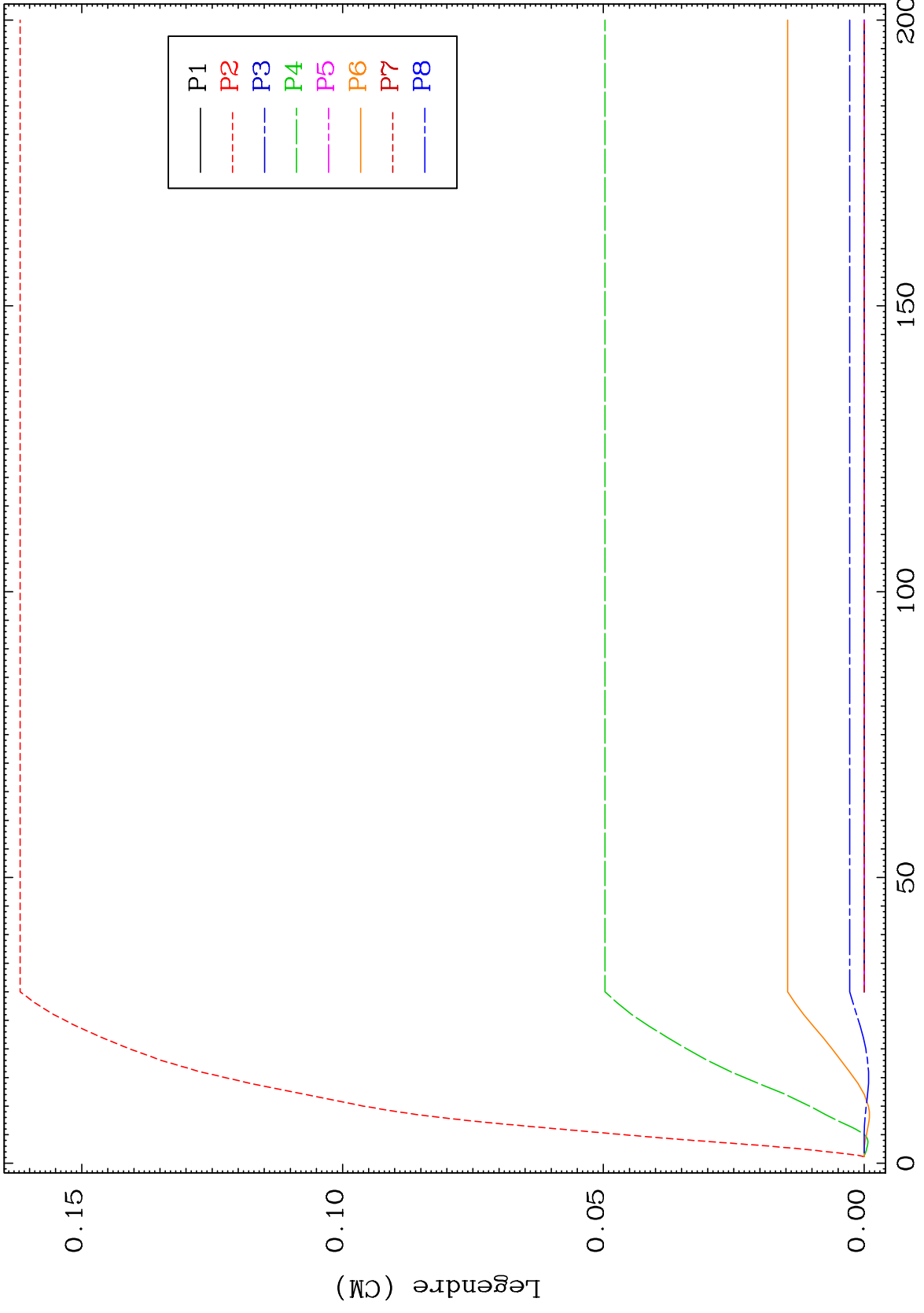
65-Tb-144

MAT 6480 MT= 59 (n,n') Level Legendre Coefficients 65-Tb-144



48 Incident Energy (MeV) 65-Tb-144

MAT 6480 MT= 60 (n,n') Level Legendre Coefficients 65-Tb-144

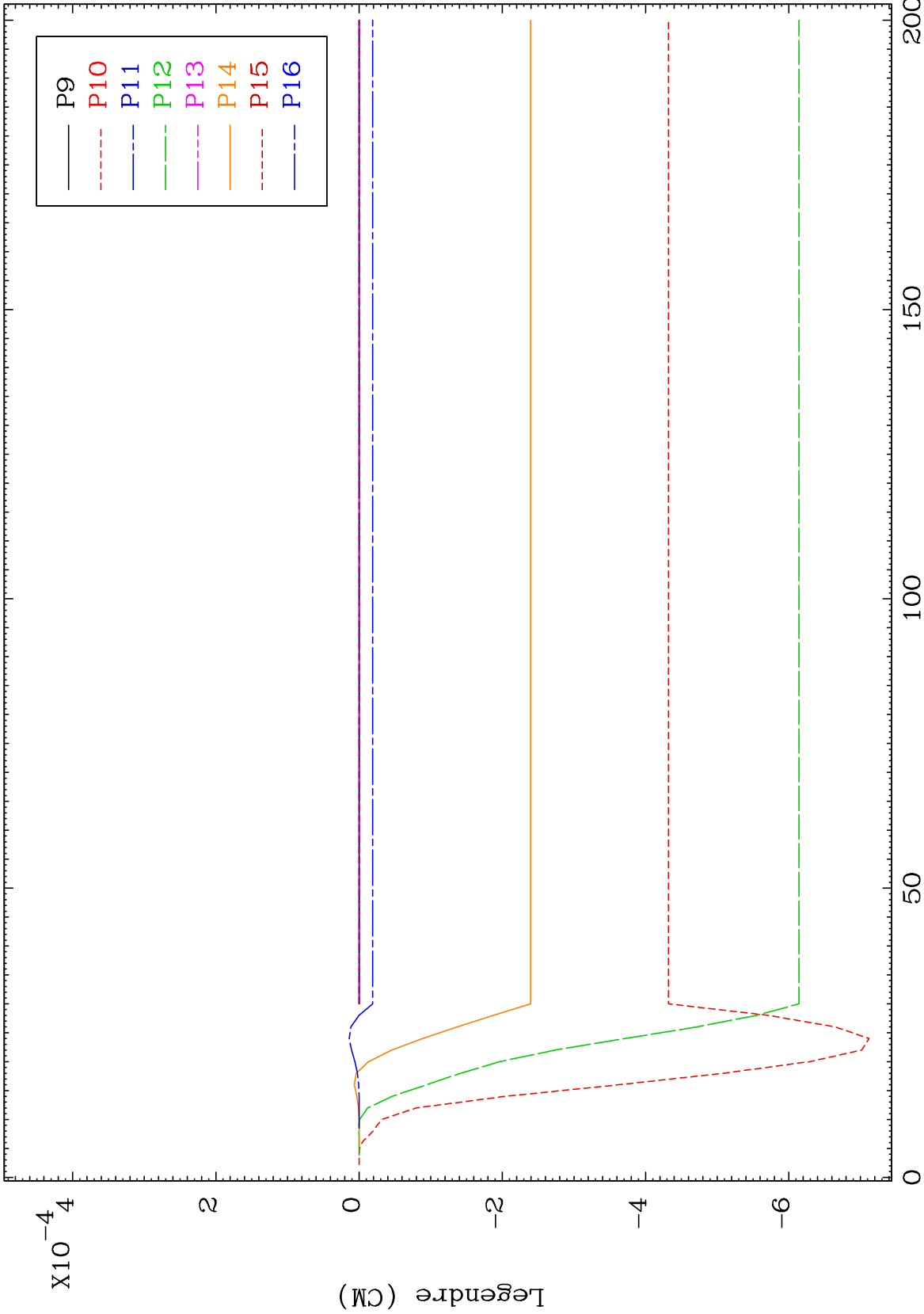


49 65-Tb-144

MAT 6480

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

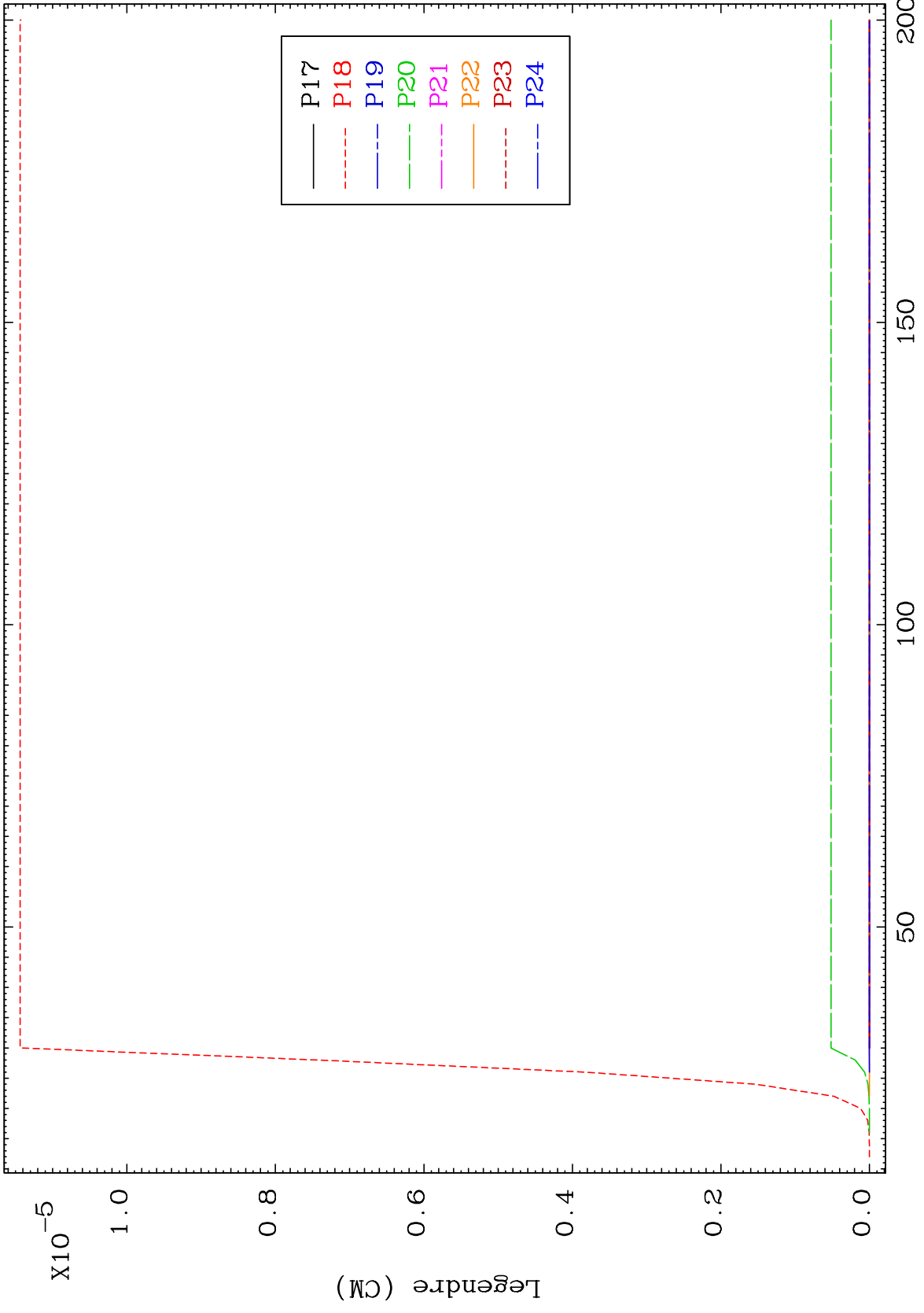
65-Tb-144



65-Tb-144

Incident Energy (MeV)

MAT 6480 MT= 60 (n,n') Level Legendre Coefficients 65-Tb-144

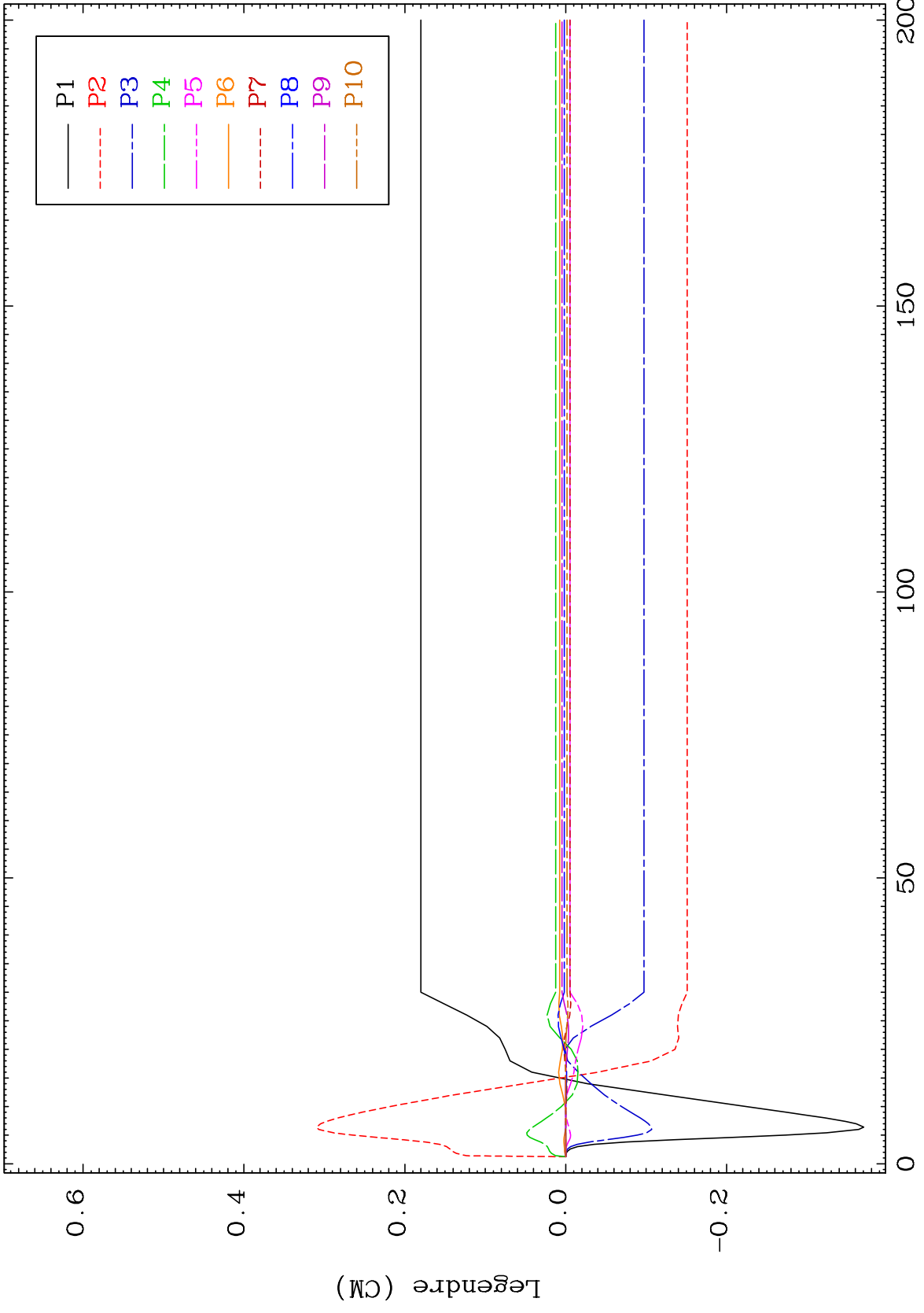


51 Incident Energy (MeV) 65-Tb-144

MAT 6480

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

65-Tb-144

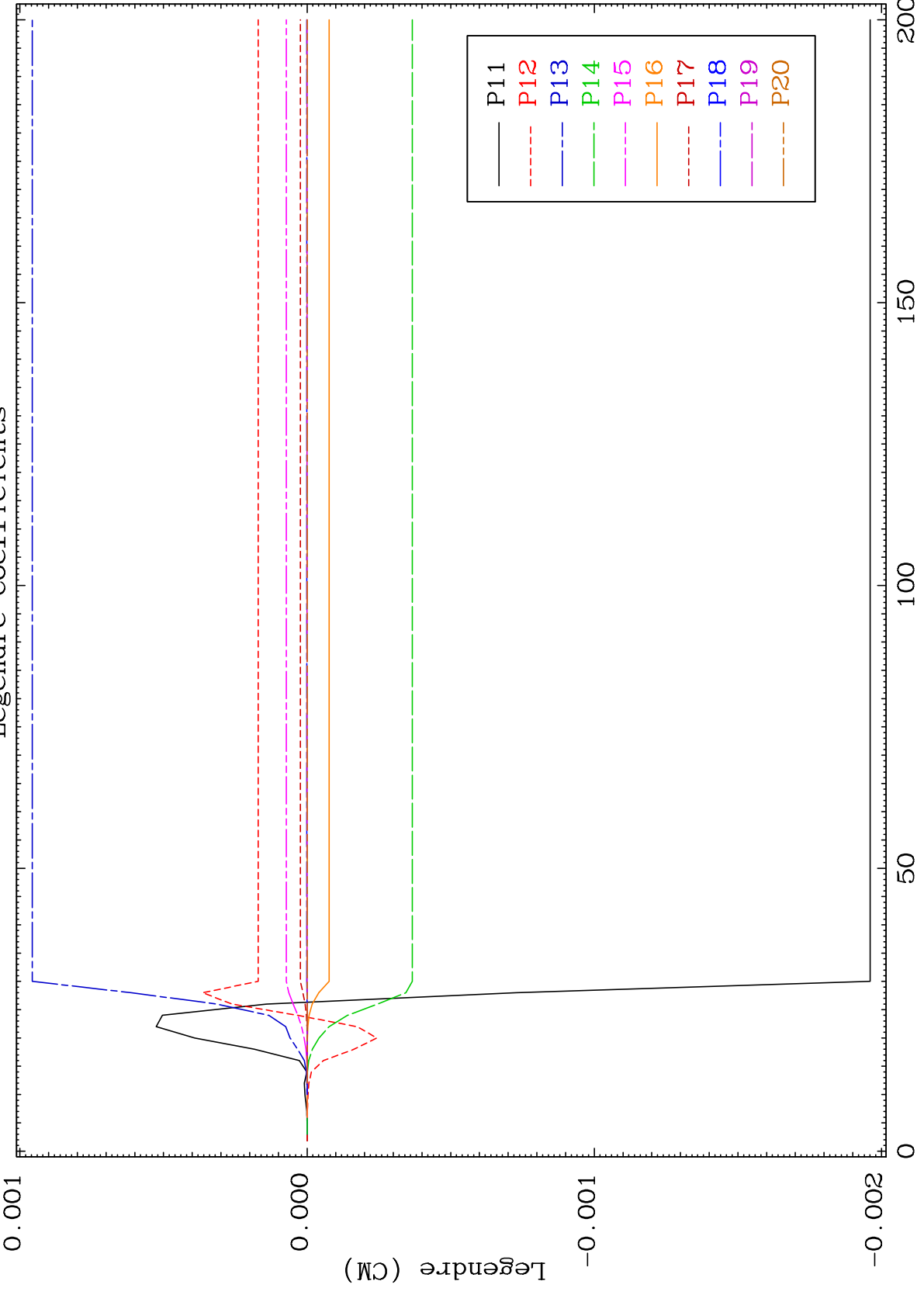


52

Incident Energy (MeV)

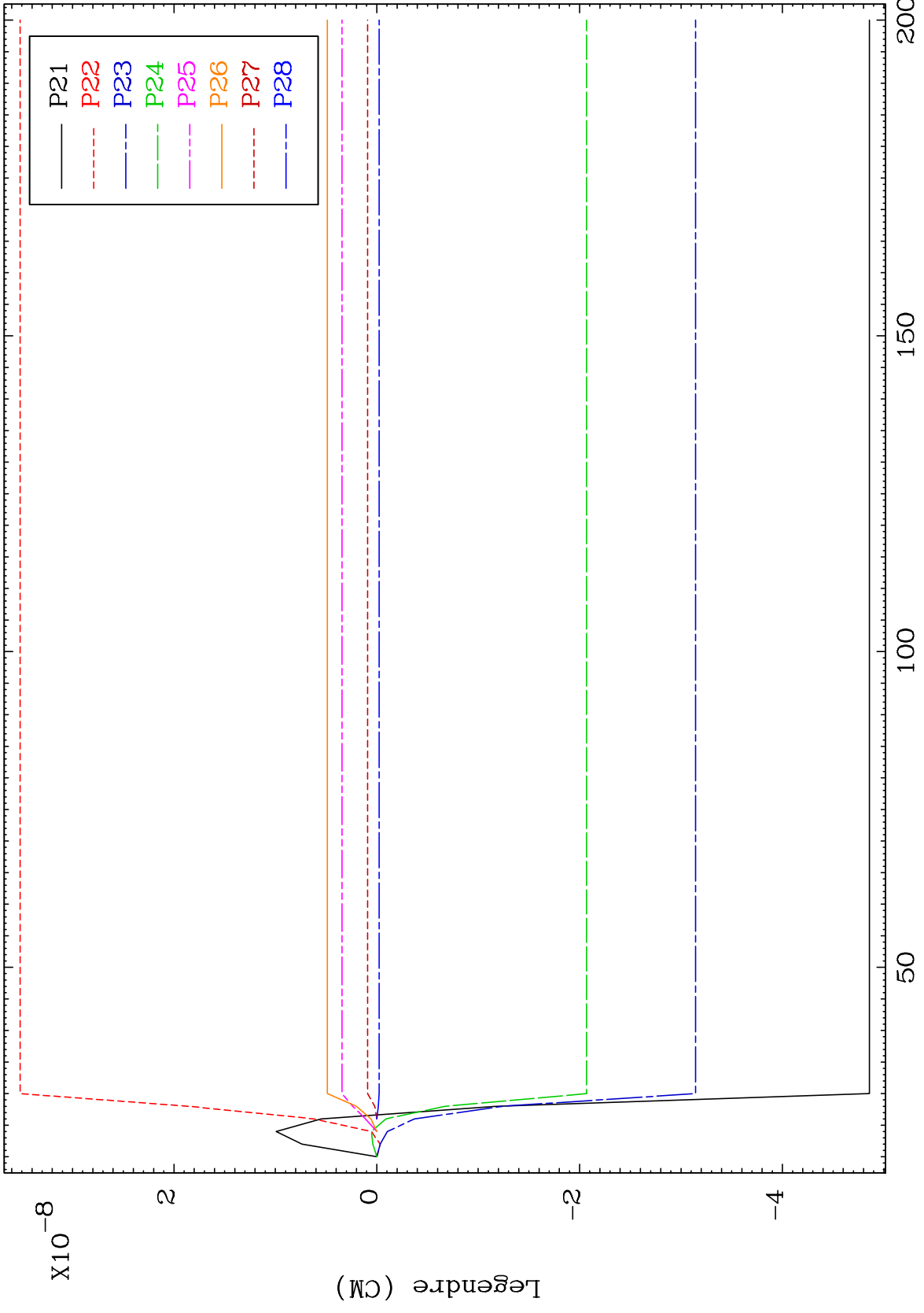
65-Tb-144

MAT 6480 MT= 61 (n,n') Level Legendre Coefficients 65-Tb-144

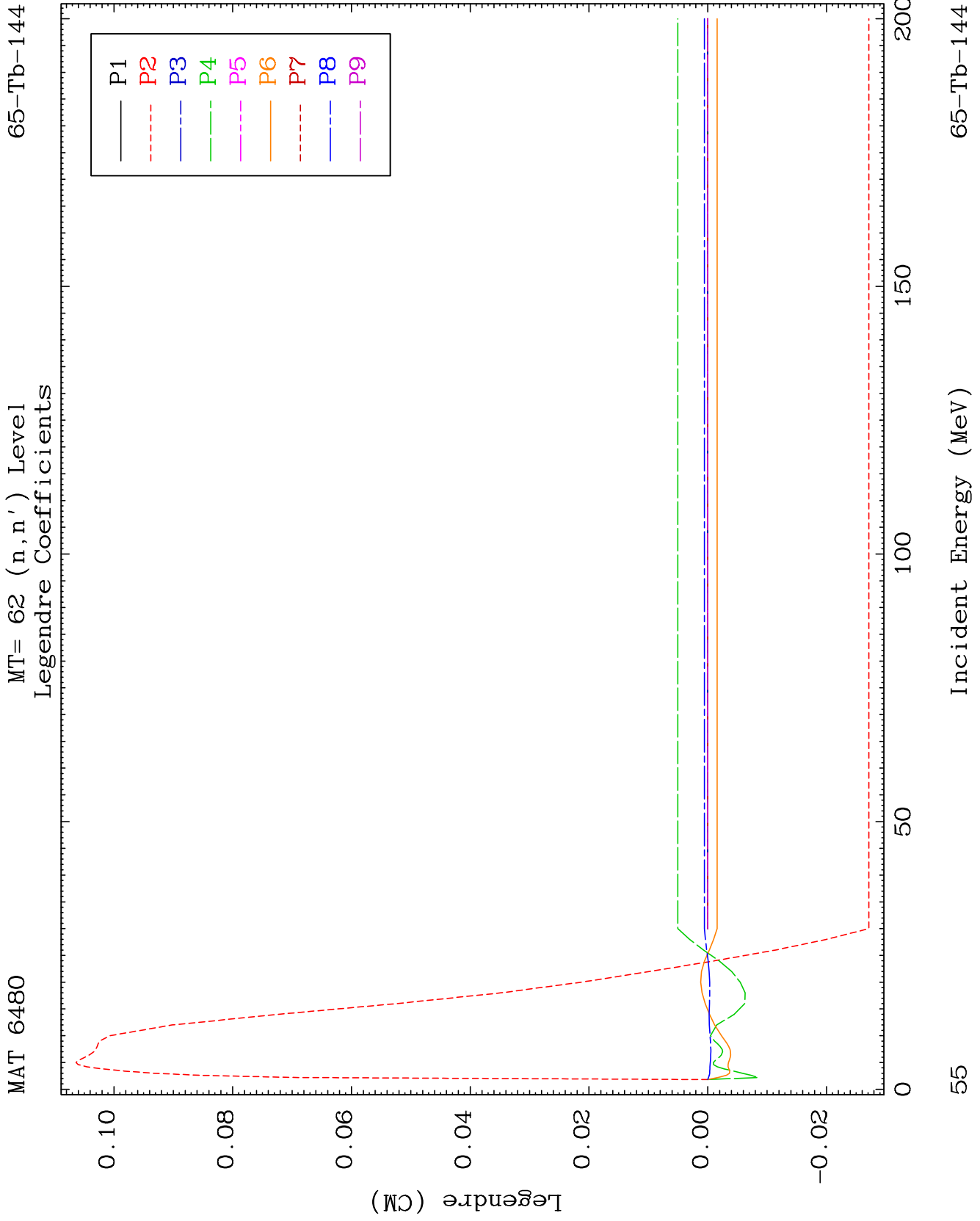


53 65-Tb-144

MAT 6480 MT= 61 (n,n') Level Legendre Coefficients 65-Tb-144



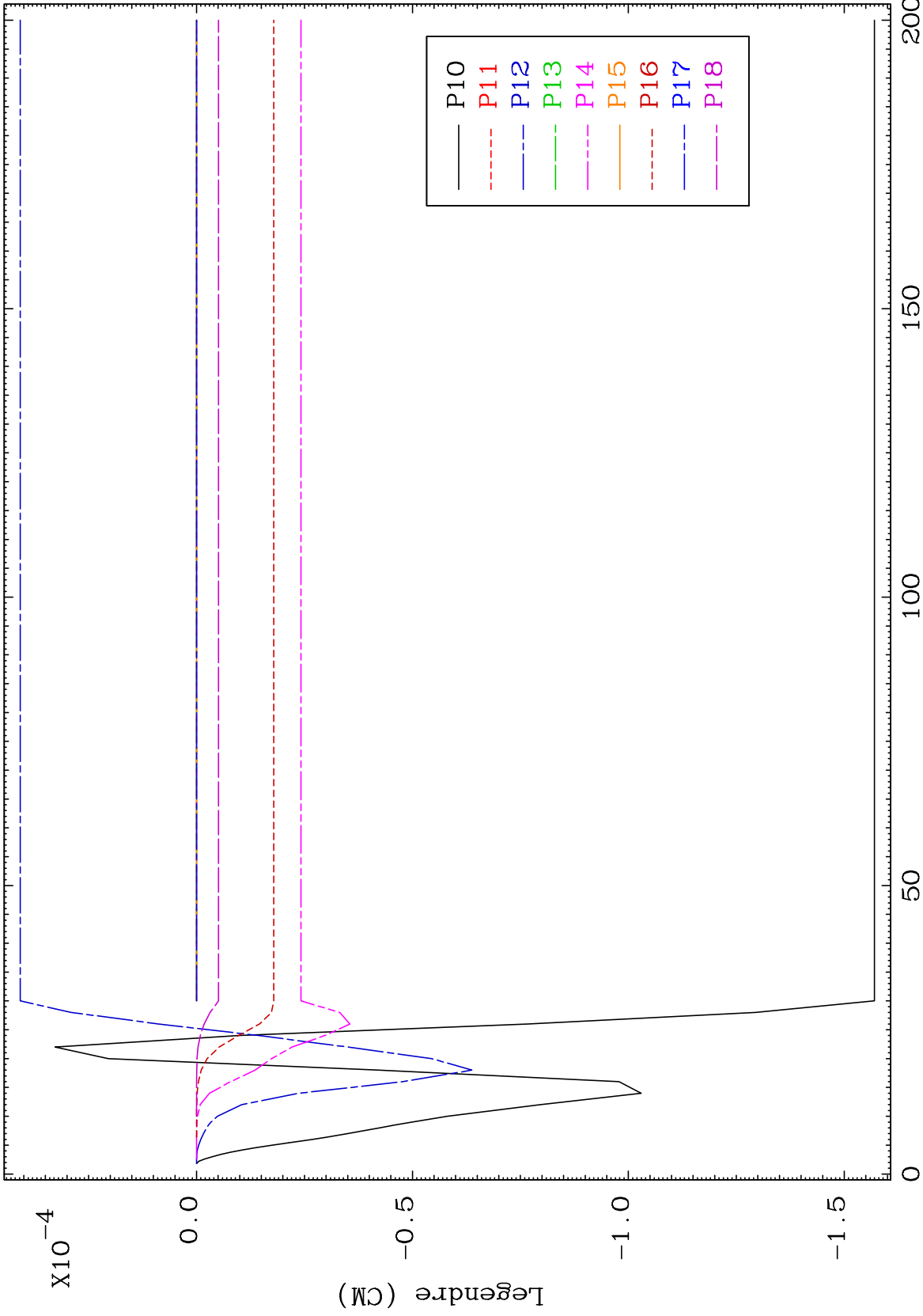
54 65-Tb-144



MAT 6480

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

65-Tb-144



56

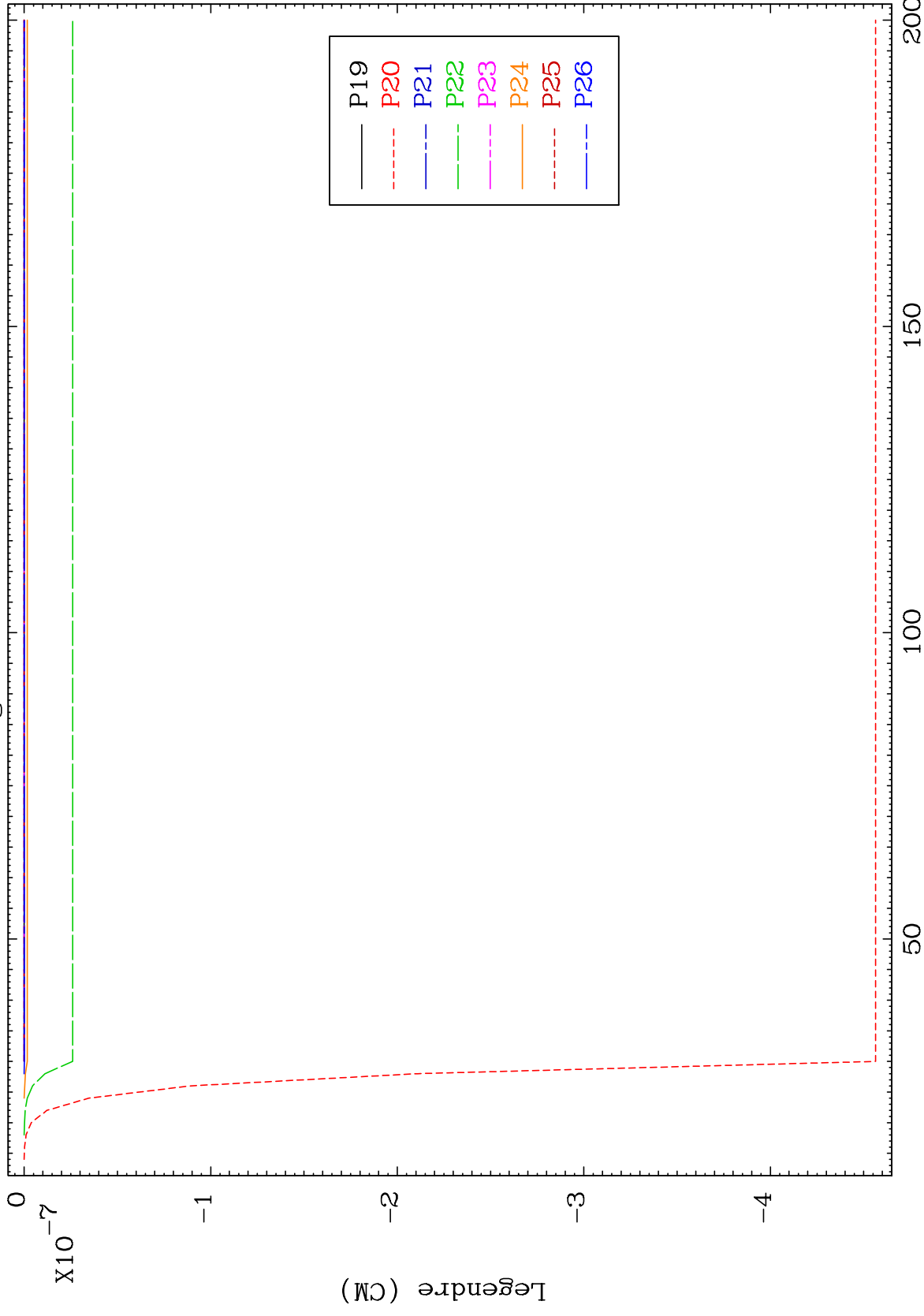
Incident Energy (MeV)

65-Tb-144

MAT 6480

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

65-Tb-144

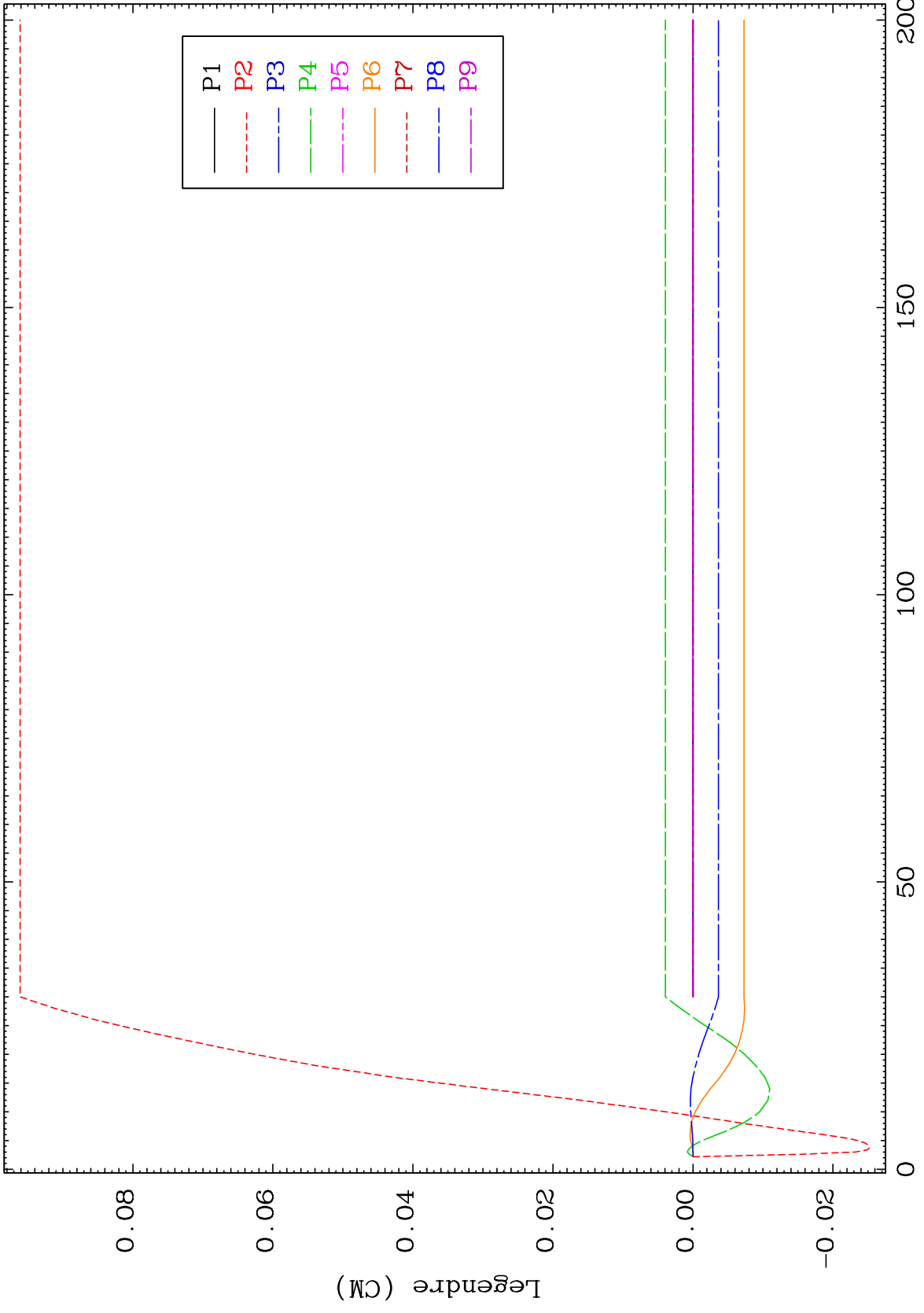


65-Tb-144

Incident Energy (MeV)

57

MAT 6480 MT= 63 (n,n') Level Legendre Coefficients 65-Tb-144

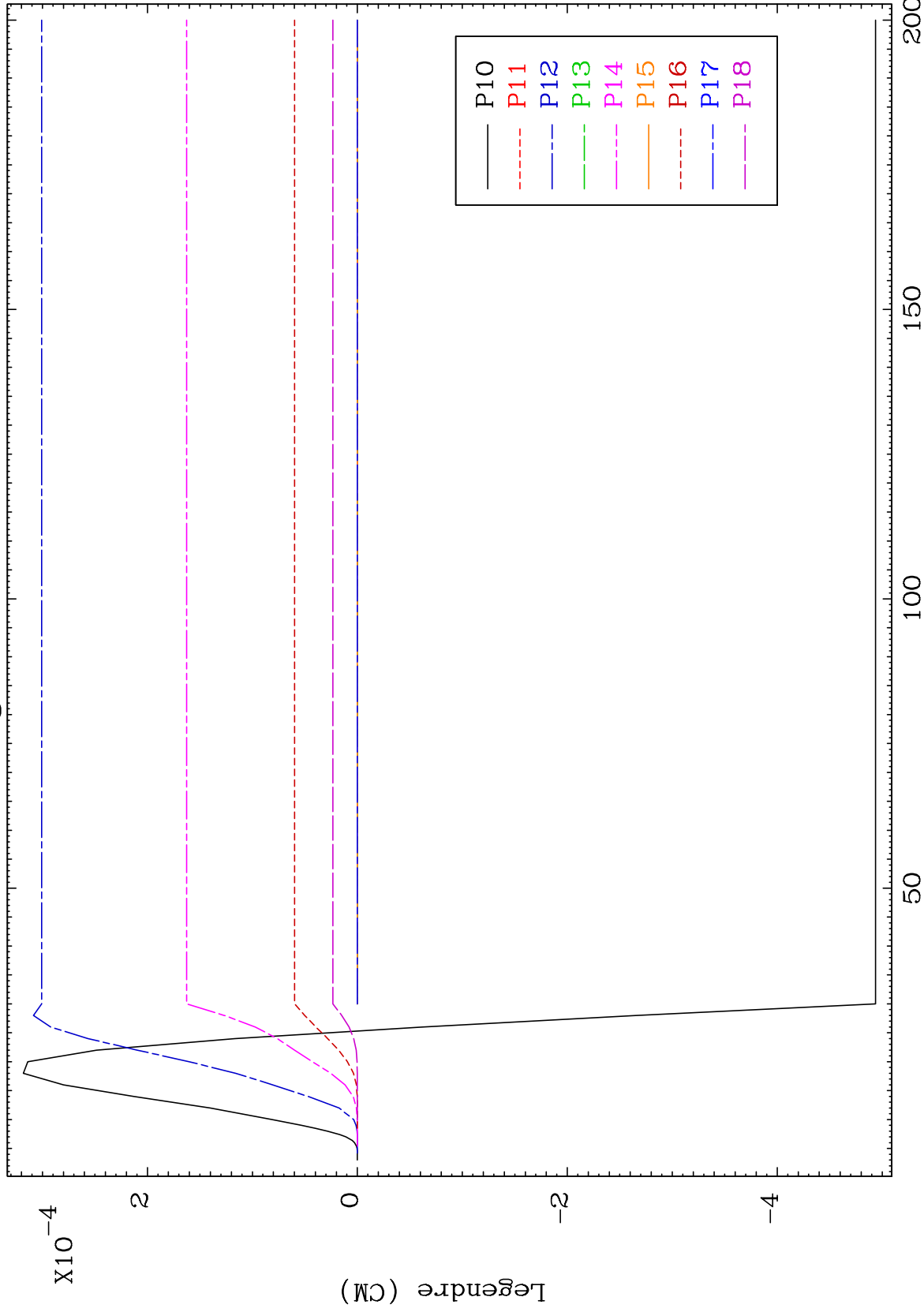


58 Incident Energy (MeV) 65-Tb-144

MAT 6480

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

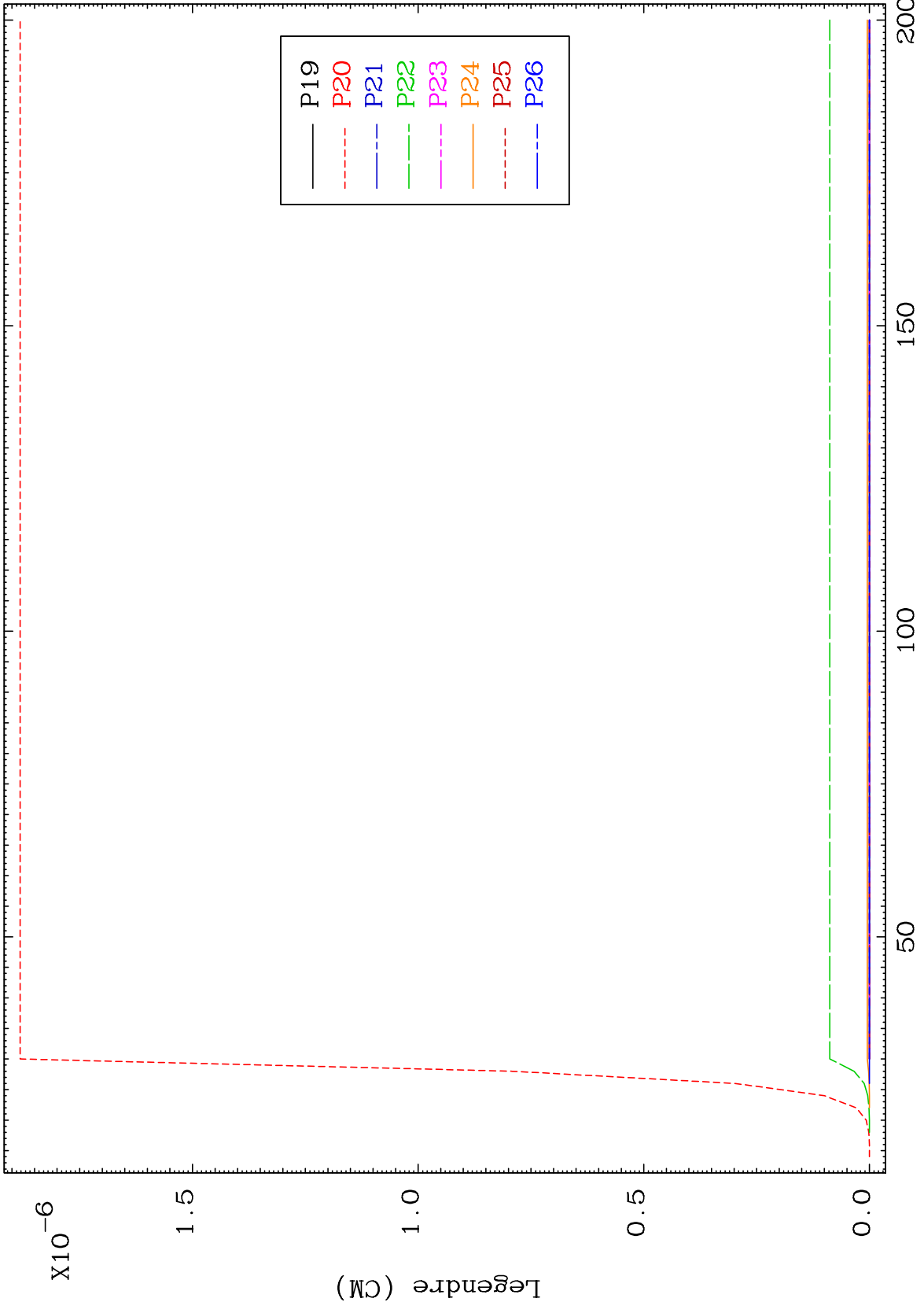
65-Tb-144



59

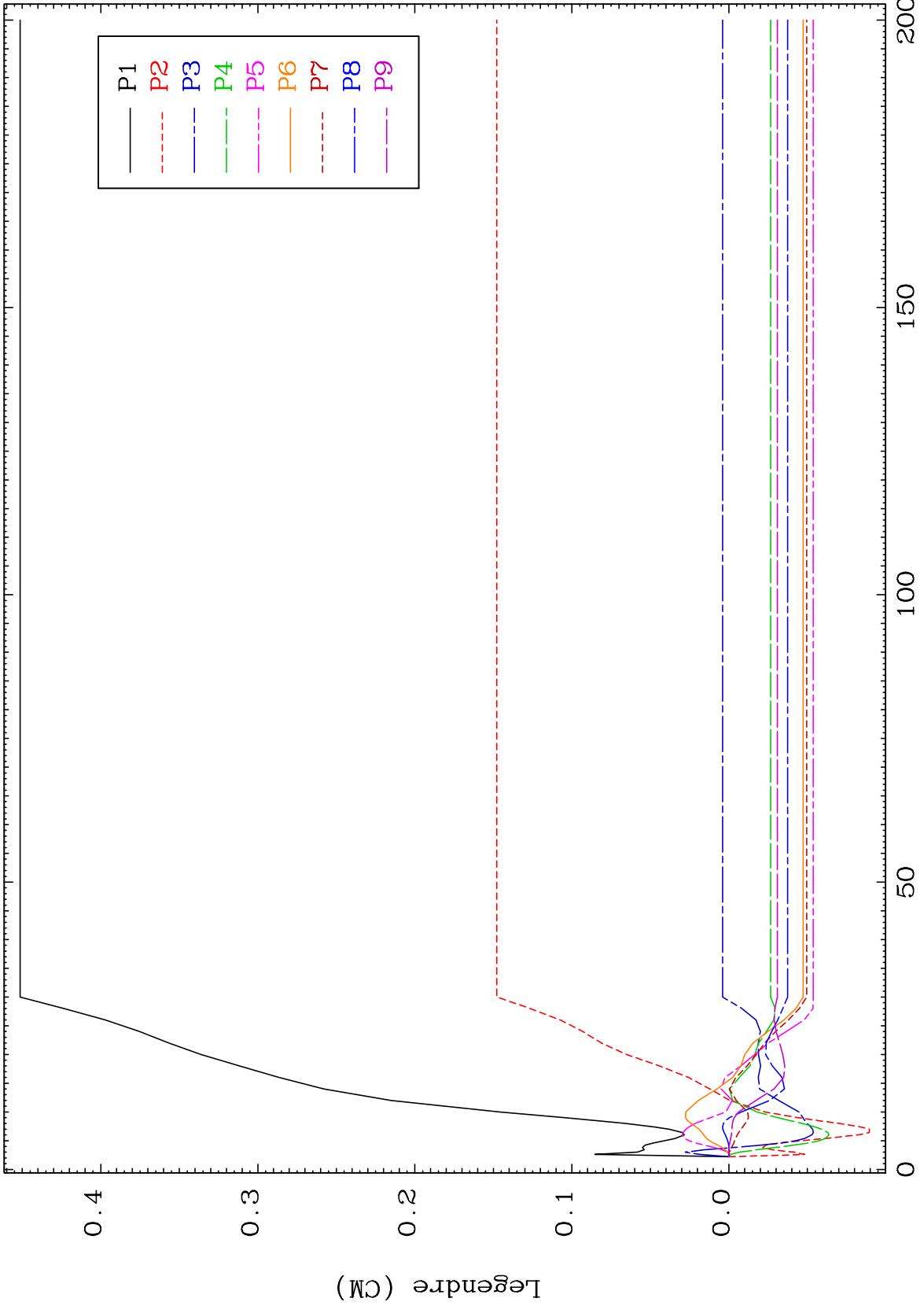
65-Tb-144

MAT 6480 MT= 63 (n,n') Level Legendre Coefficients 65-Tb-144



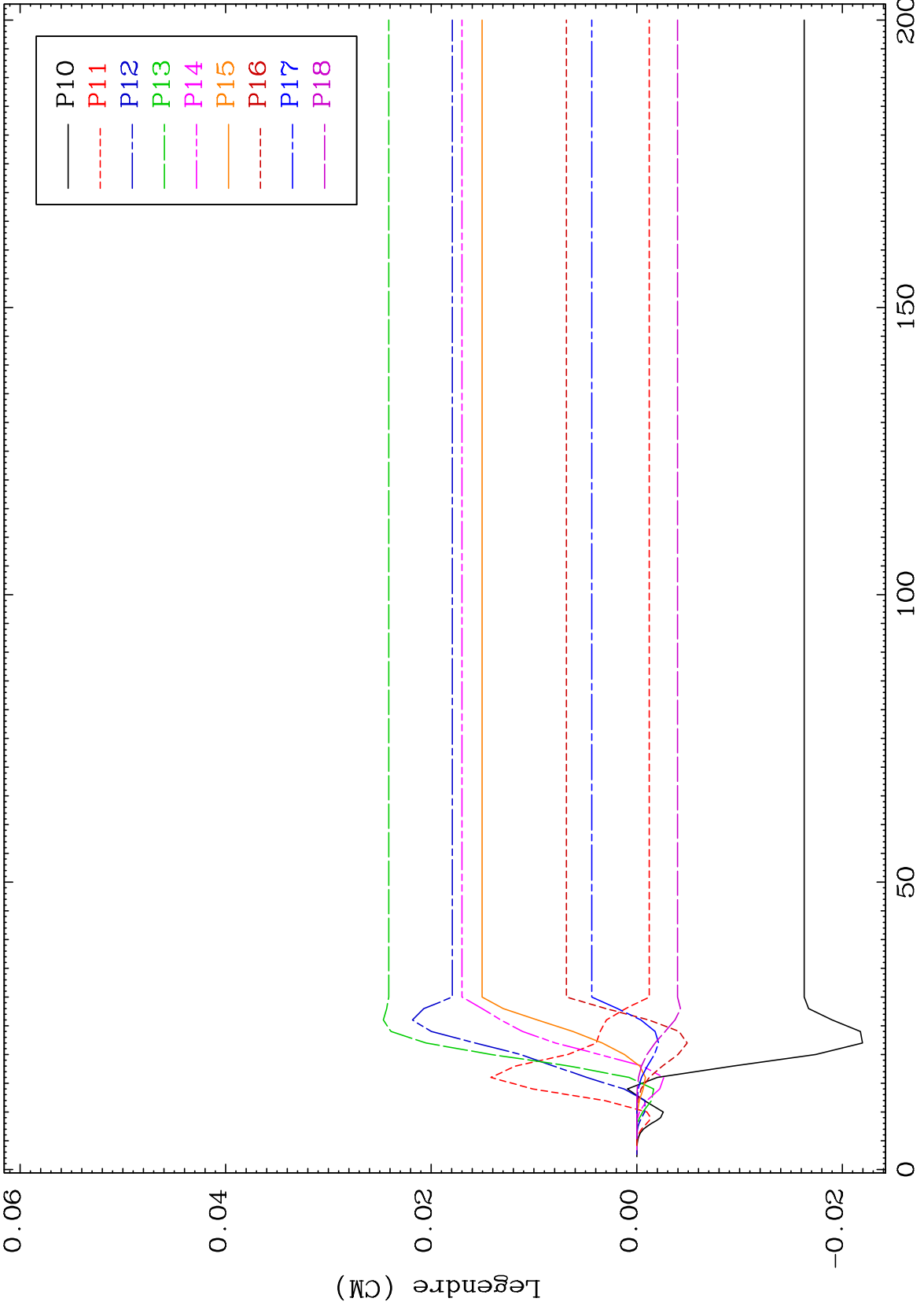
65-Tb-144

MAT 6480 MT= 64 (n,n') Level Legendre Coefficients 65-Tb-144



61 Incident Energy (MeV) 65-Tb-144

MAT 6480 MT= 64 (n,n') Level Legendre Coefficients 65-Tb-144

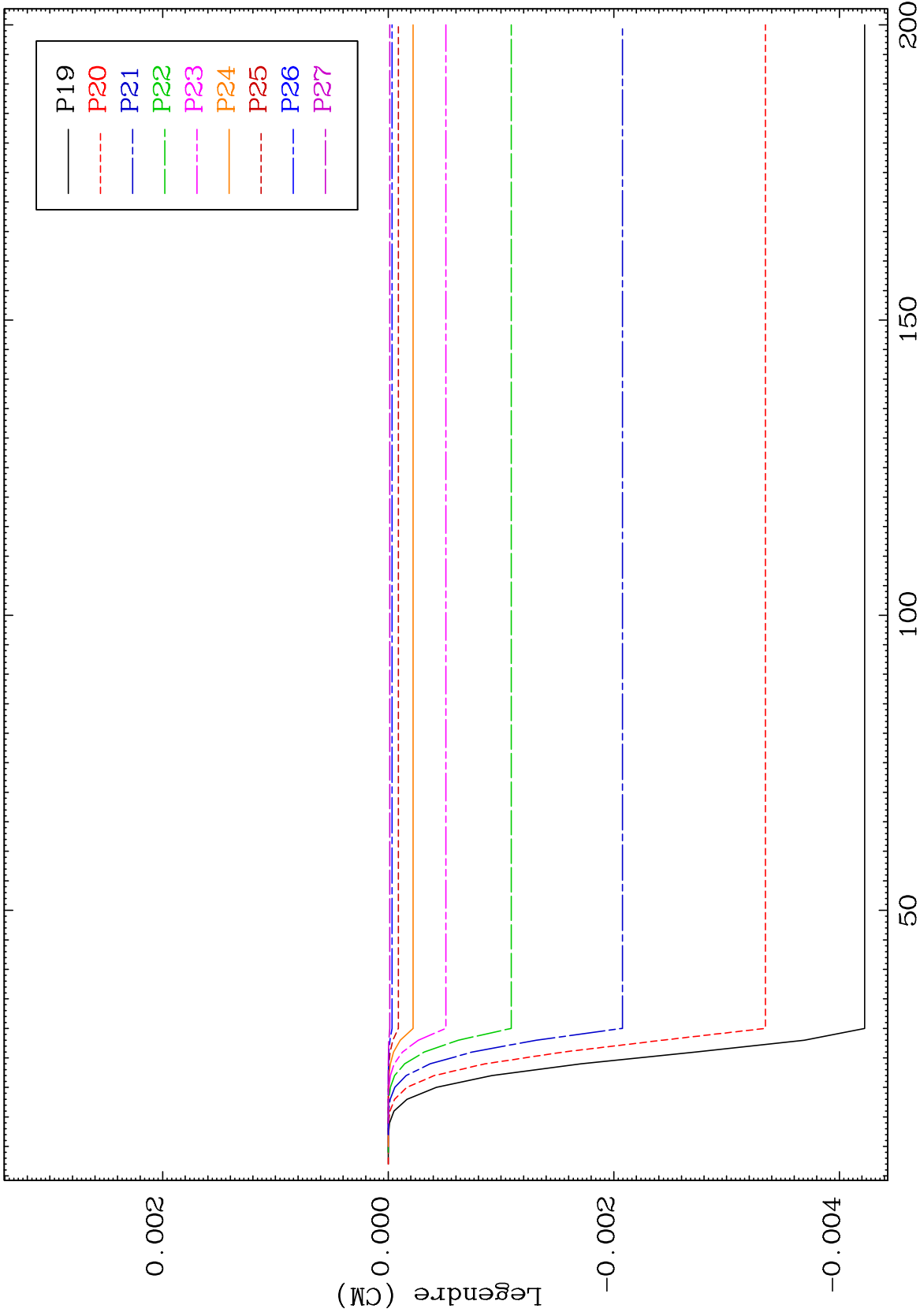


65-Tb-144

MAT 6480

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

65-Tb-144



63

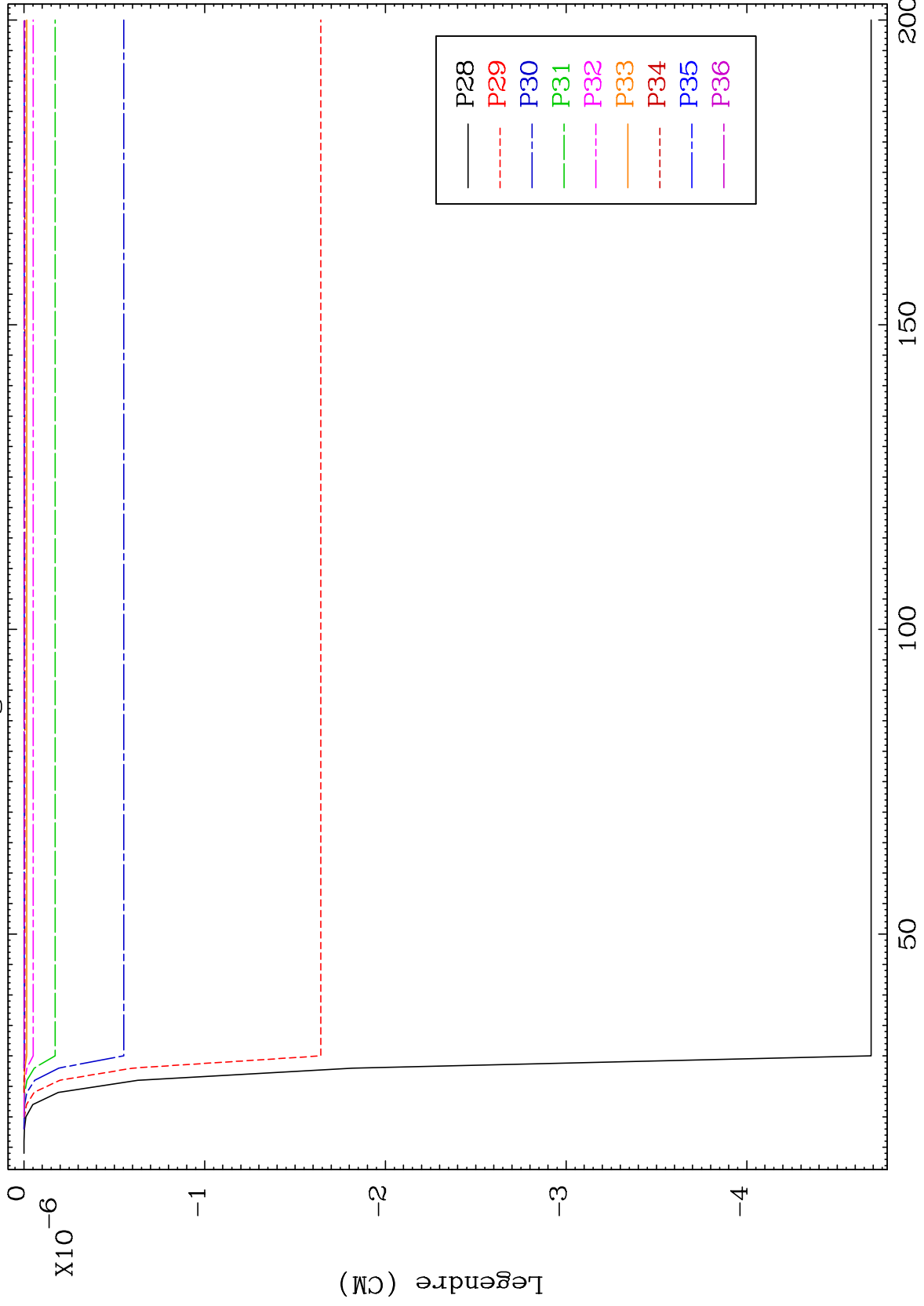
Incident Energy (MeV)

65-Tb-144

MAT 6480

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

65-Tb-144



65-Tb-144

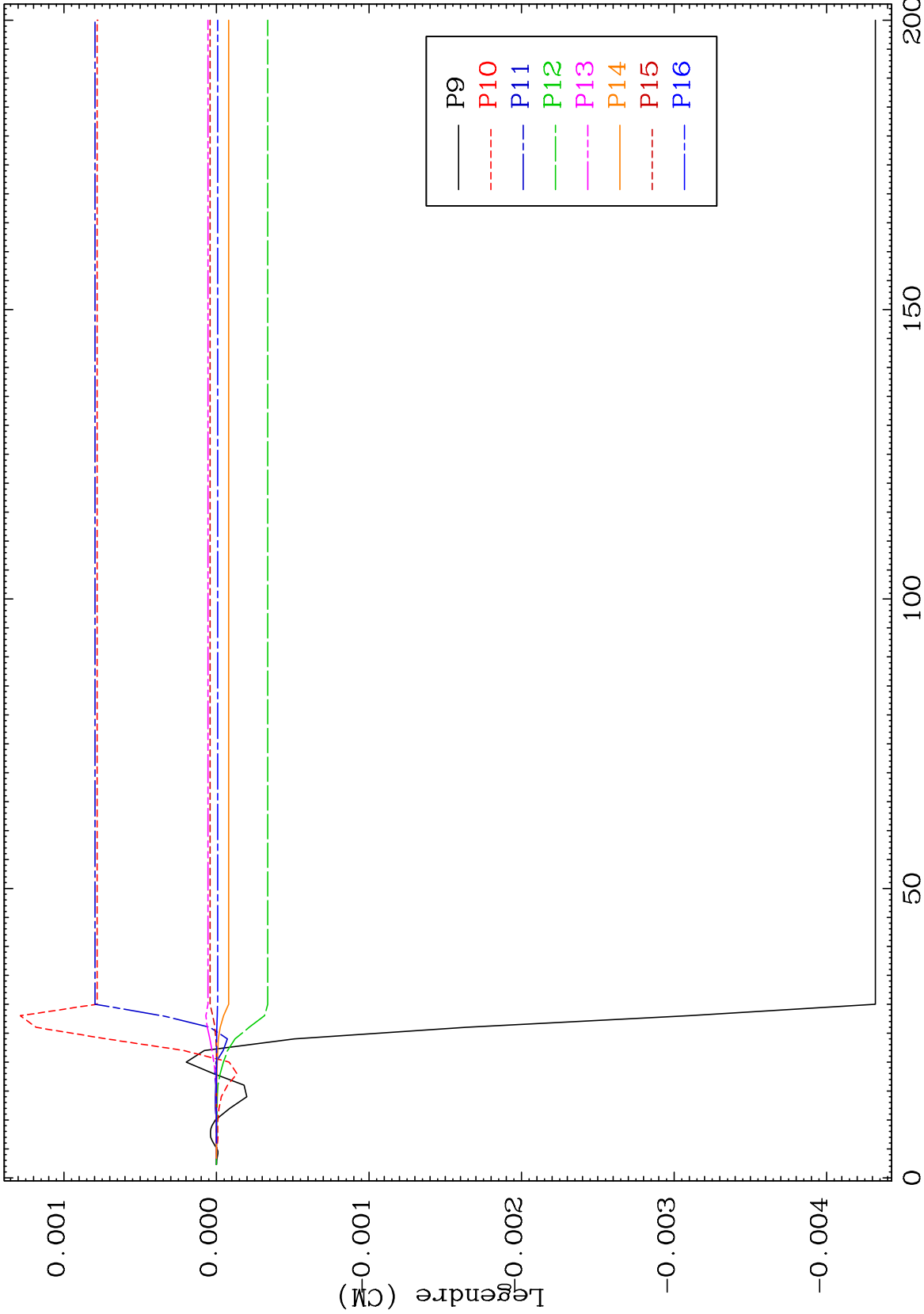
Incident Energy (MeV)

64

MAT 6480

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

65-Tb-144



66

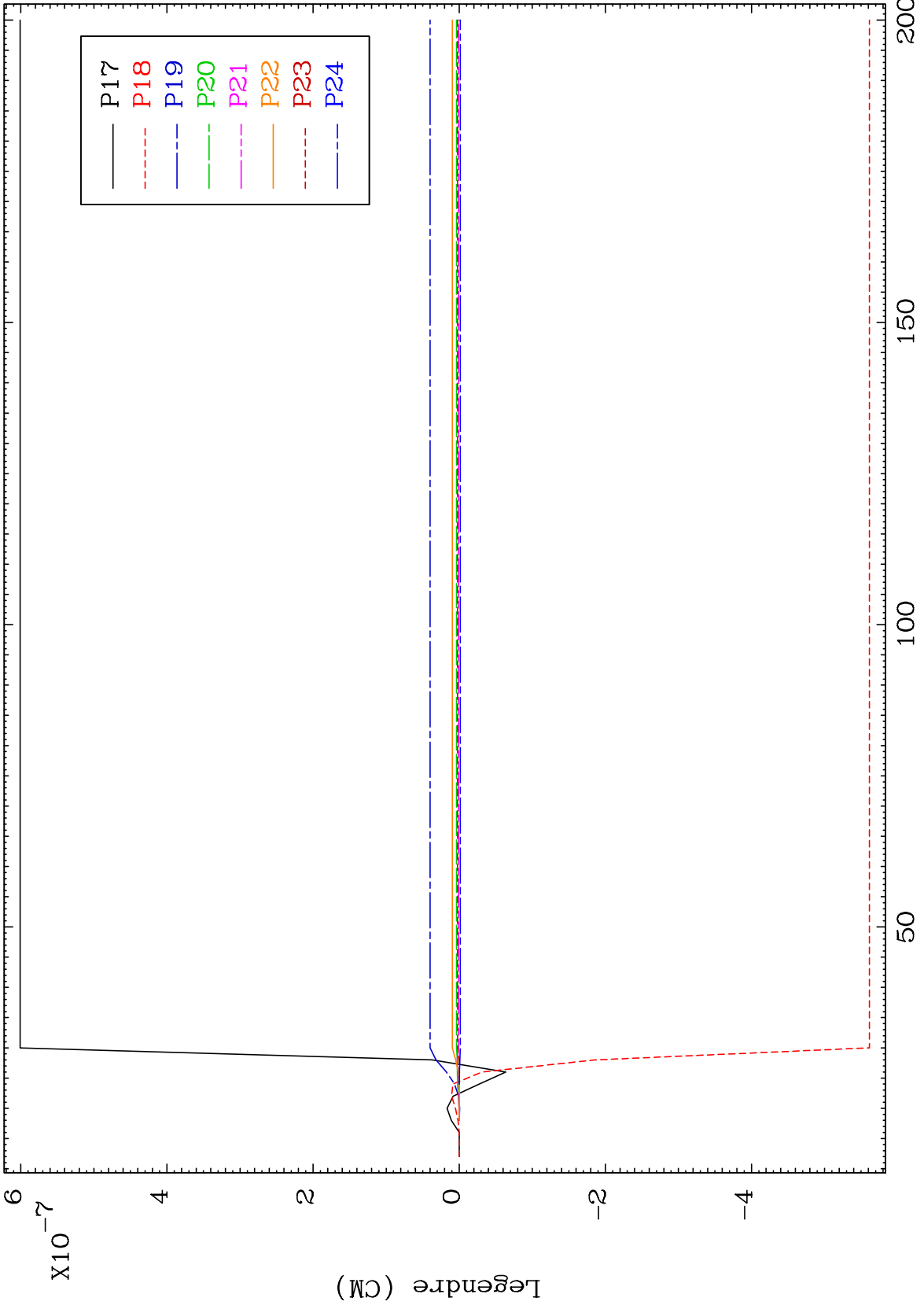
Incident Energy (MeV)

65-Tb-144

MAT 6480

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

65-Tb-144

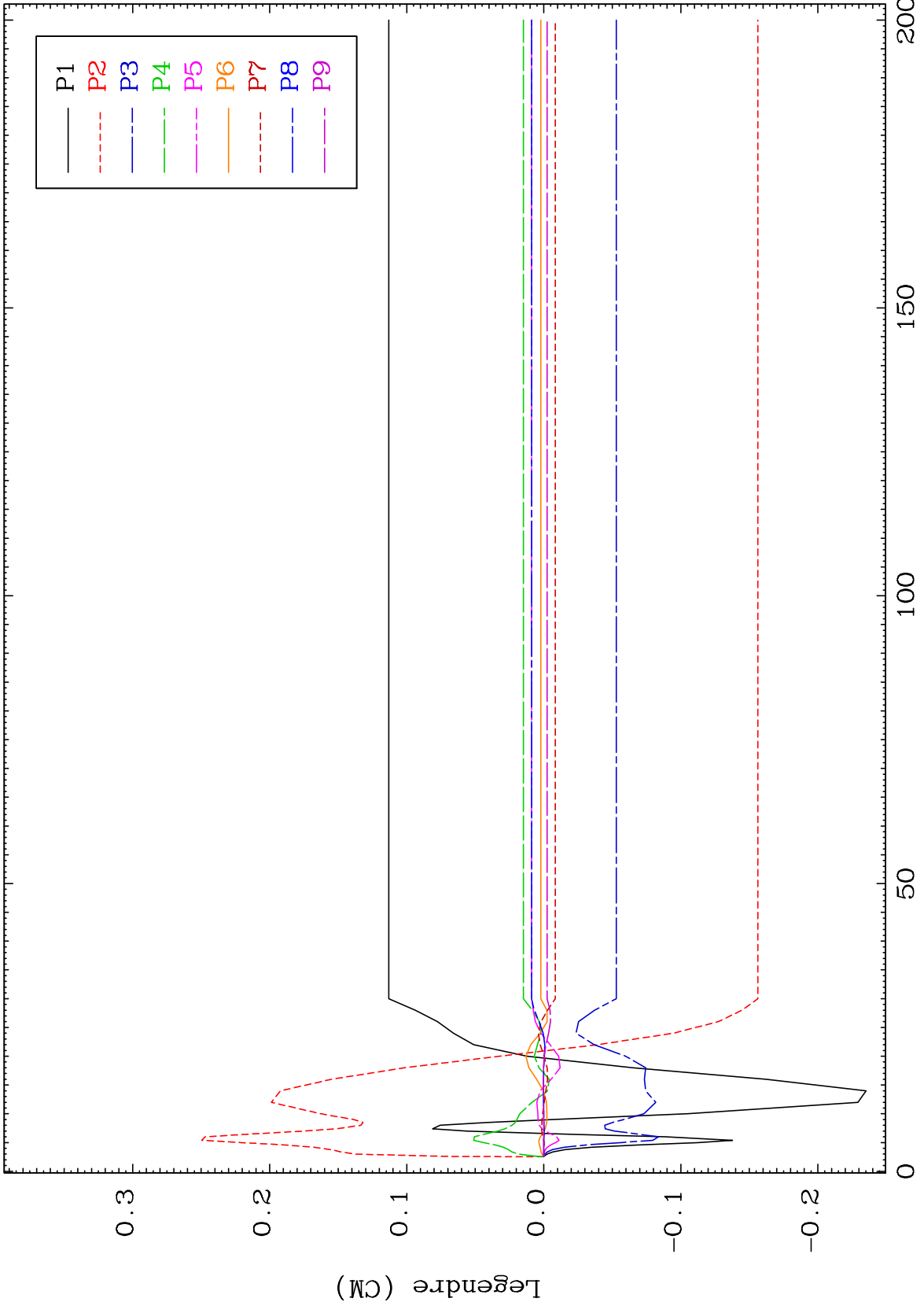


67

Incident Energy (MeV)

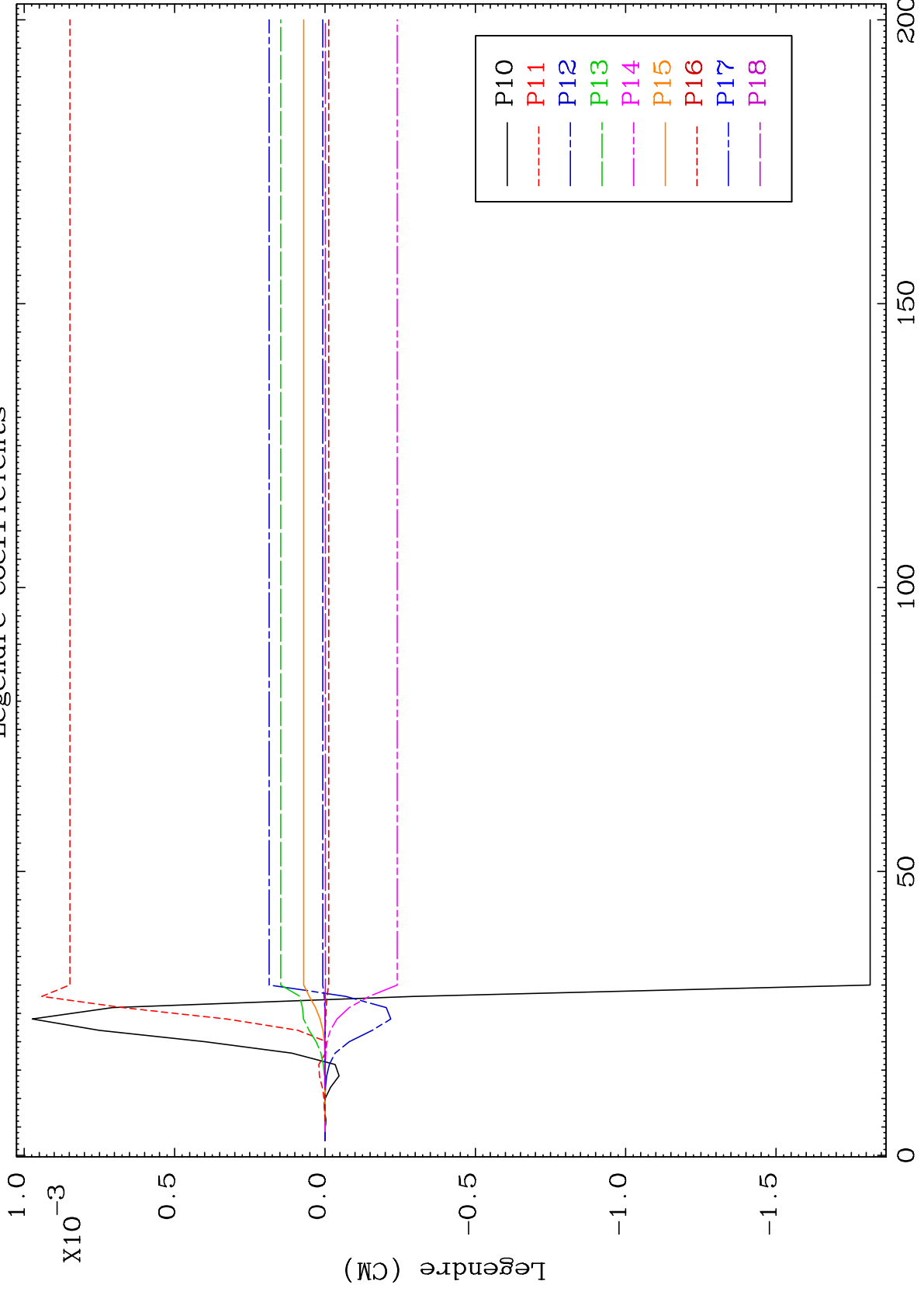
65-Tb-144

MAT 6480 MT= 66 (n,n') Level Legendre Coefficients 65-Tb-144



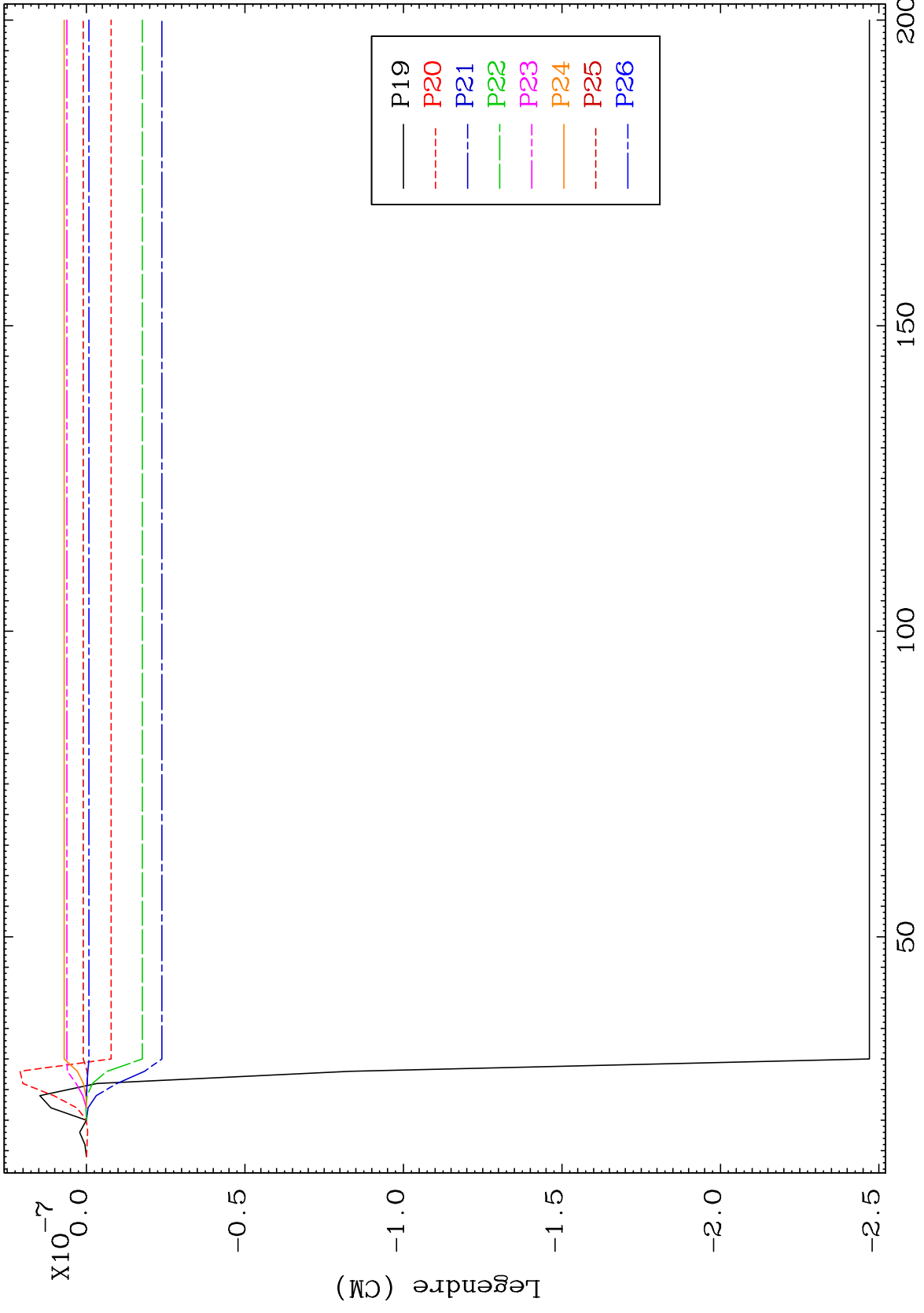
68 65-Tb-144

MAT 6480 MT= 66 (n,n') Level Legendre Coefficients 65-Tb-144



69 65-Tb-144

MAT 6480 MT= 66 (n,n') Level Legendre Coefficients 65-Tb-144

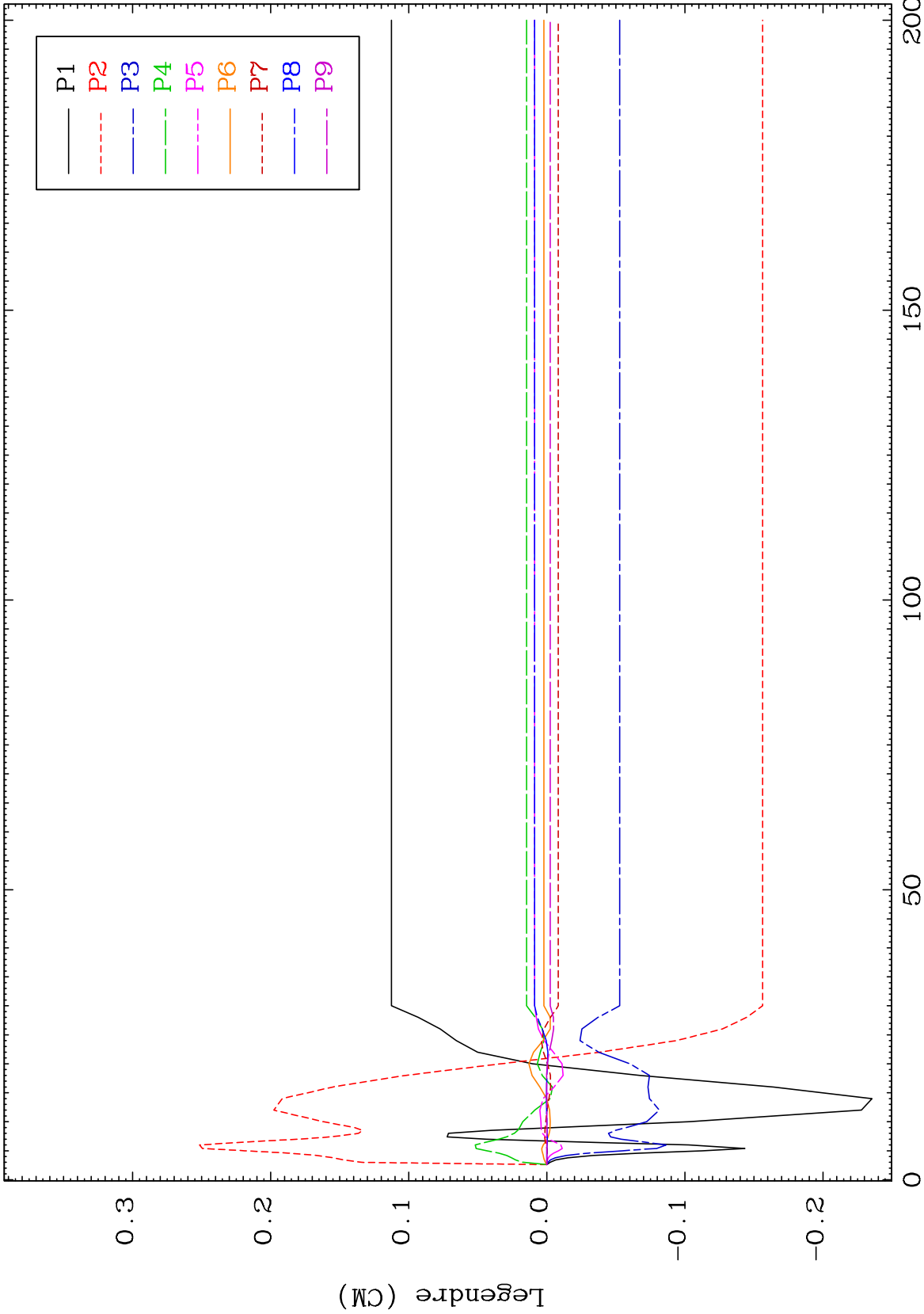


70 Incident Energy (MeV) 65-Tb-144

MAT 6480

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

65-Tb-144



71

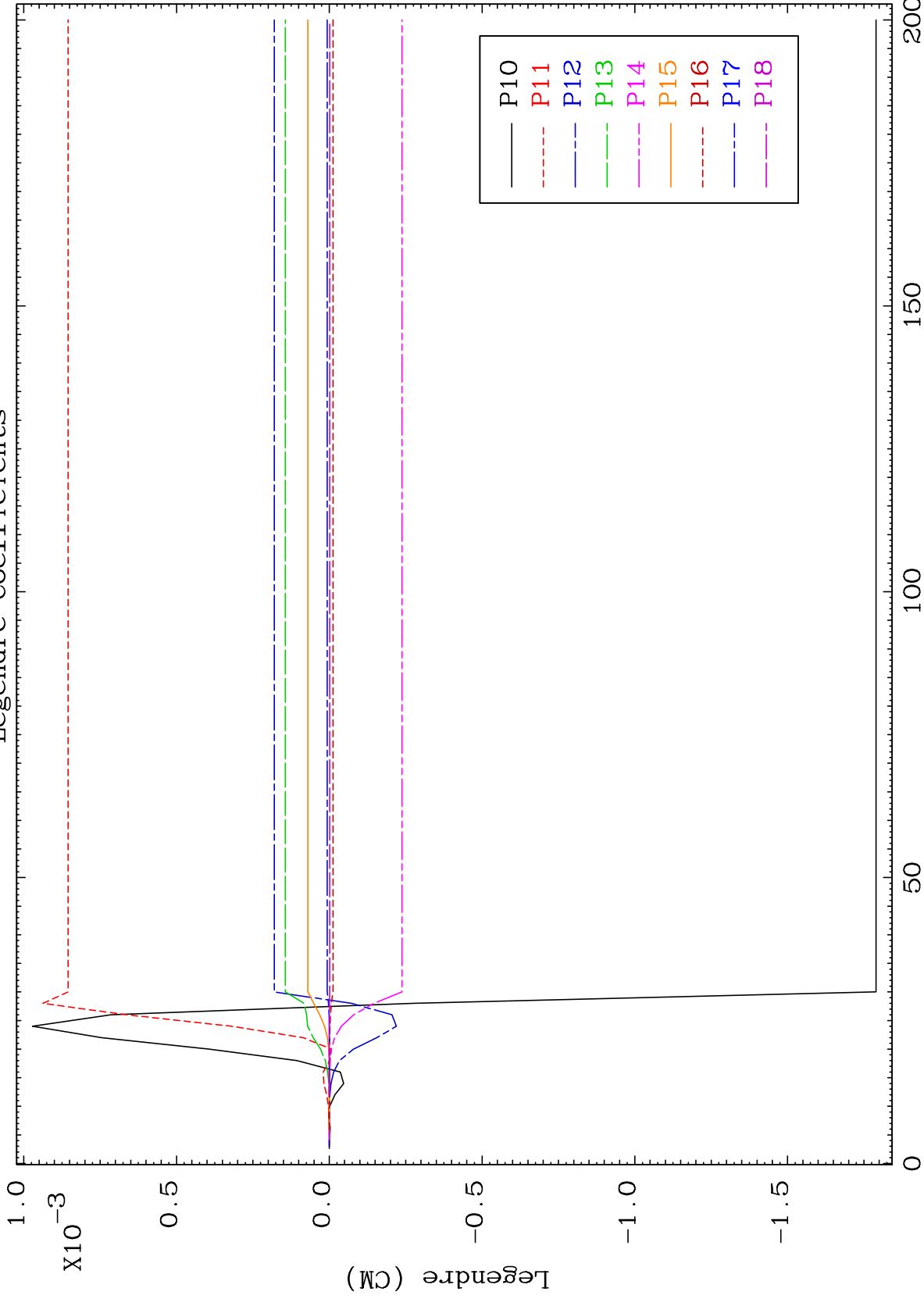
Incident Energy (MeV)

65-Tb-144

MAT 6480

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

65-Tb-144



65-Tb-144

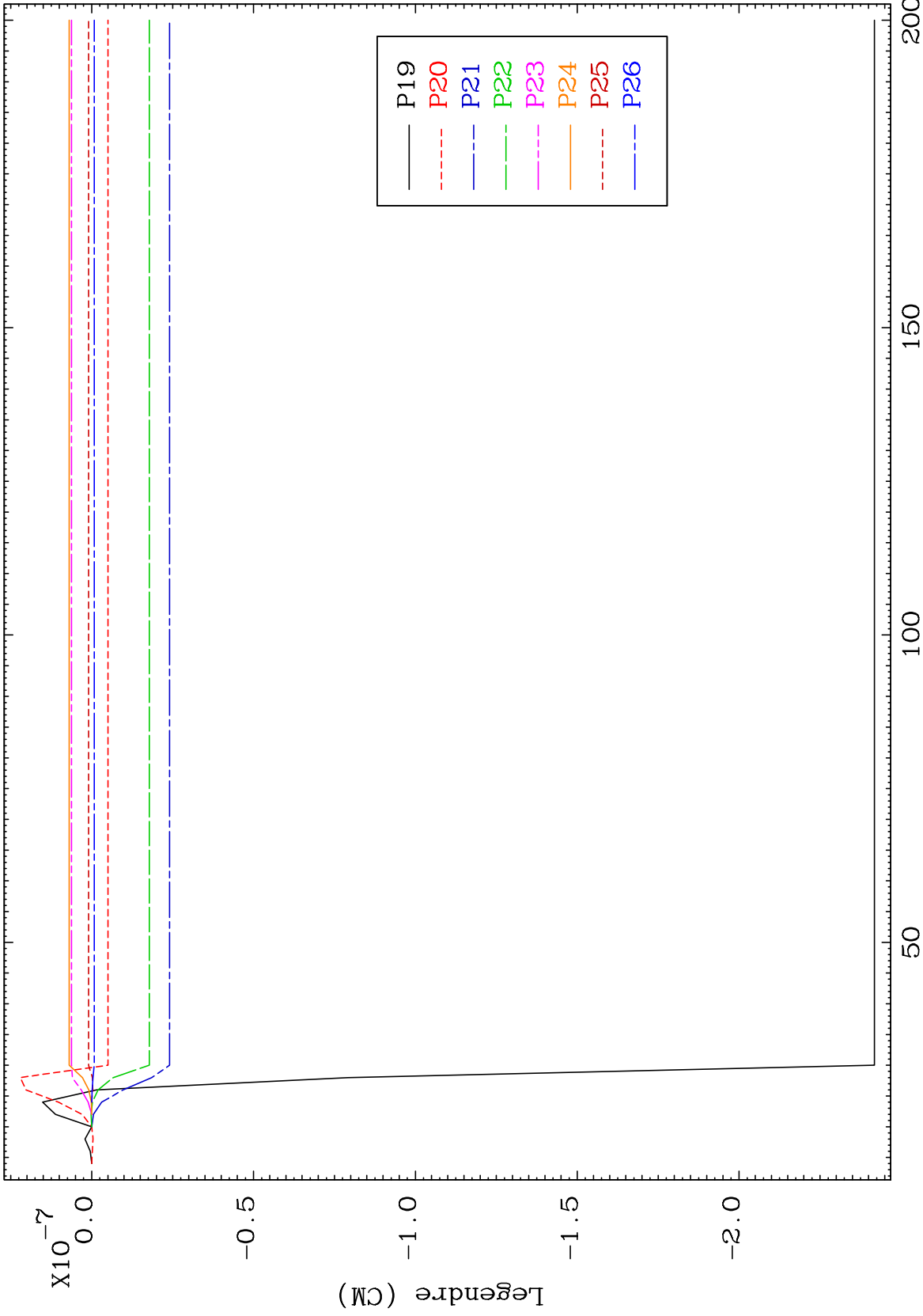
Incident Energy (MeV)

72

MAT 6480

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

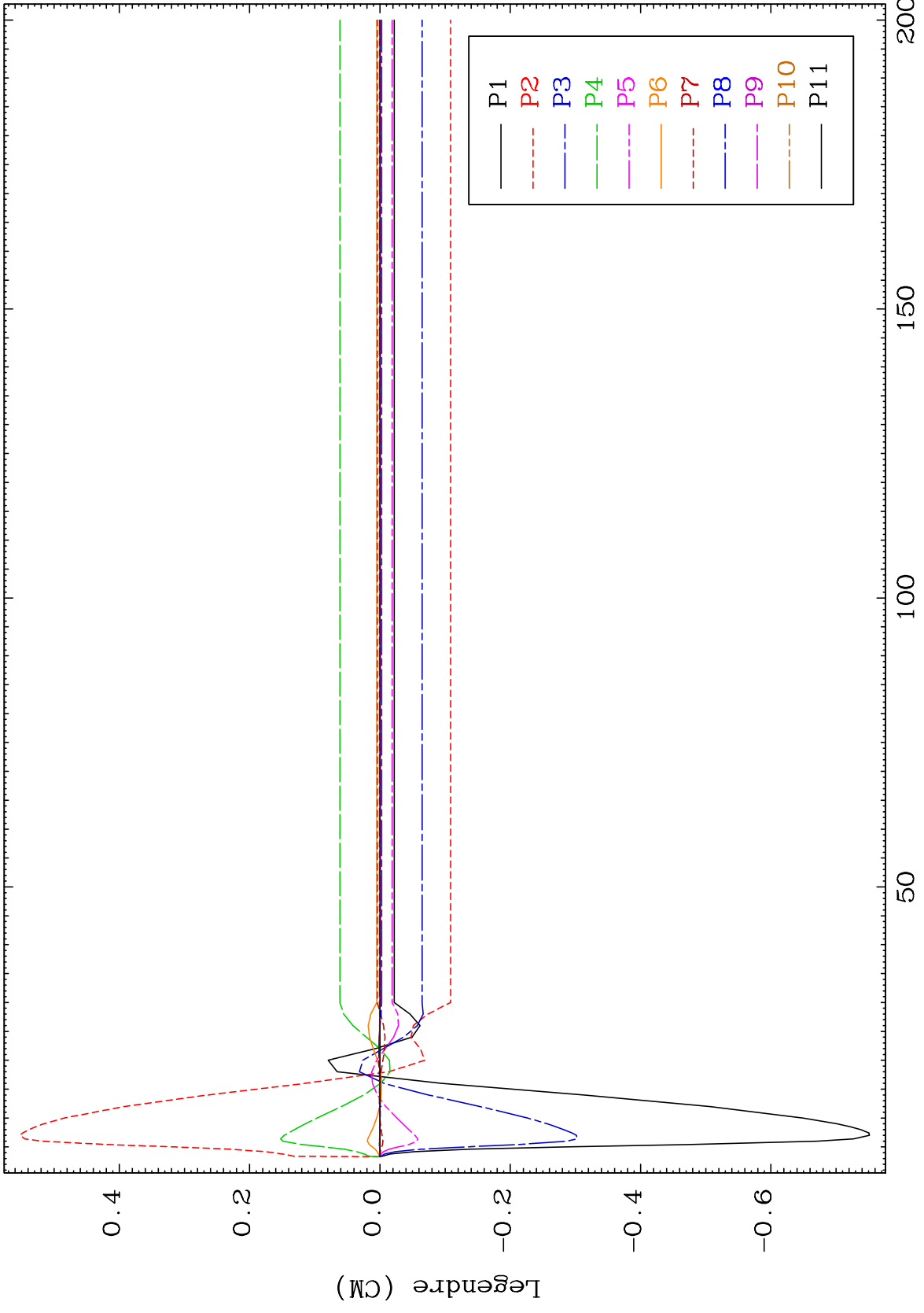
65-Tb-144



73

65-Tb-144

MAT 6480 MT= 70 (n,n') Level Legendre Coefficients 65-Tb-144



65-Tb-144

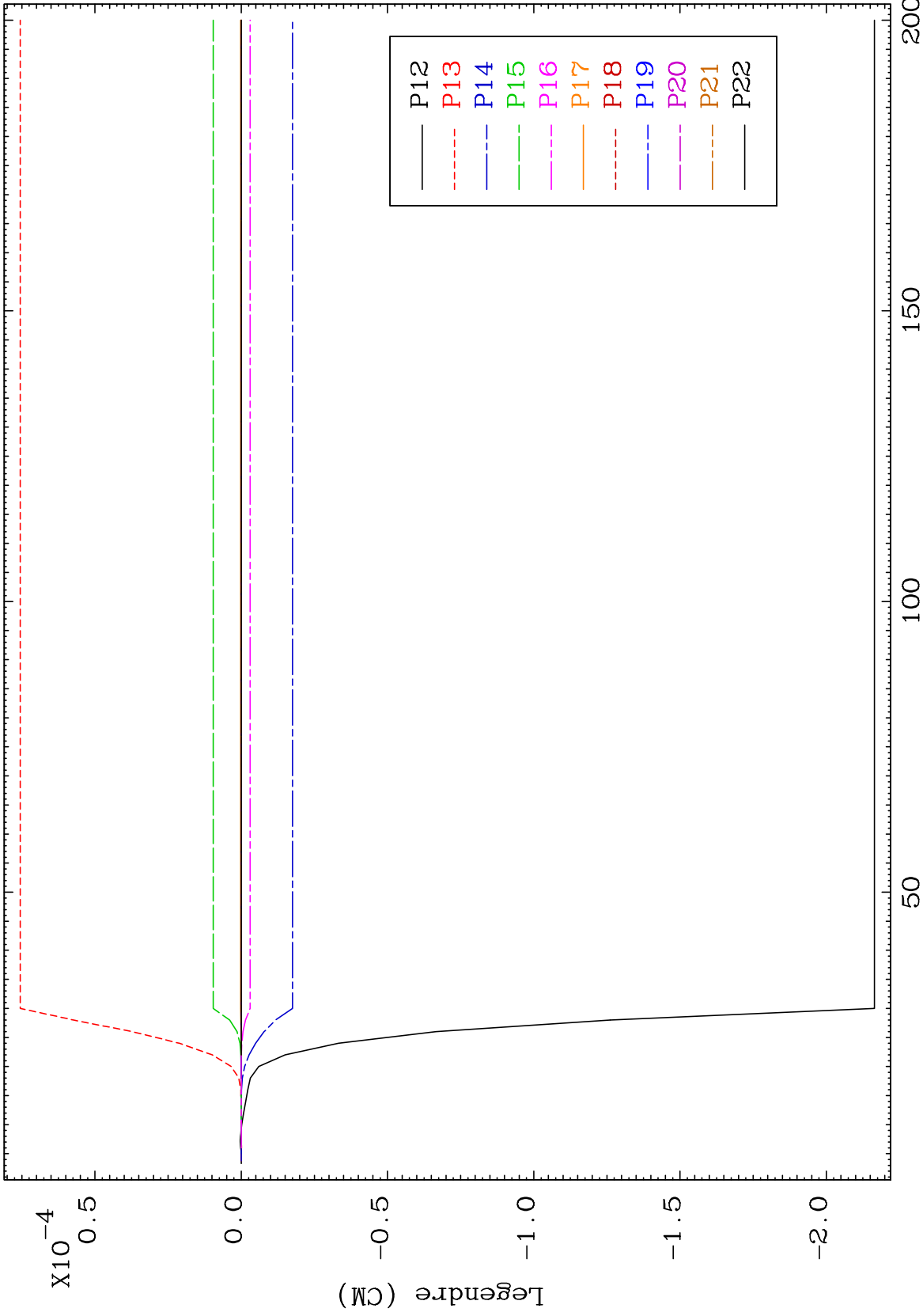
Incident Energy (MeV)

74

MAT 6480

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

65-Tb-144

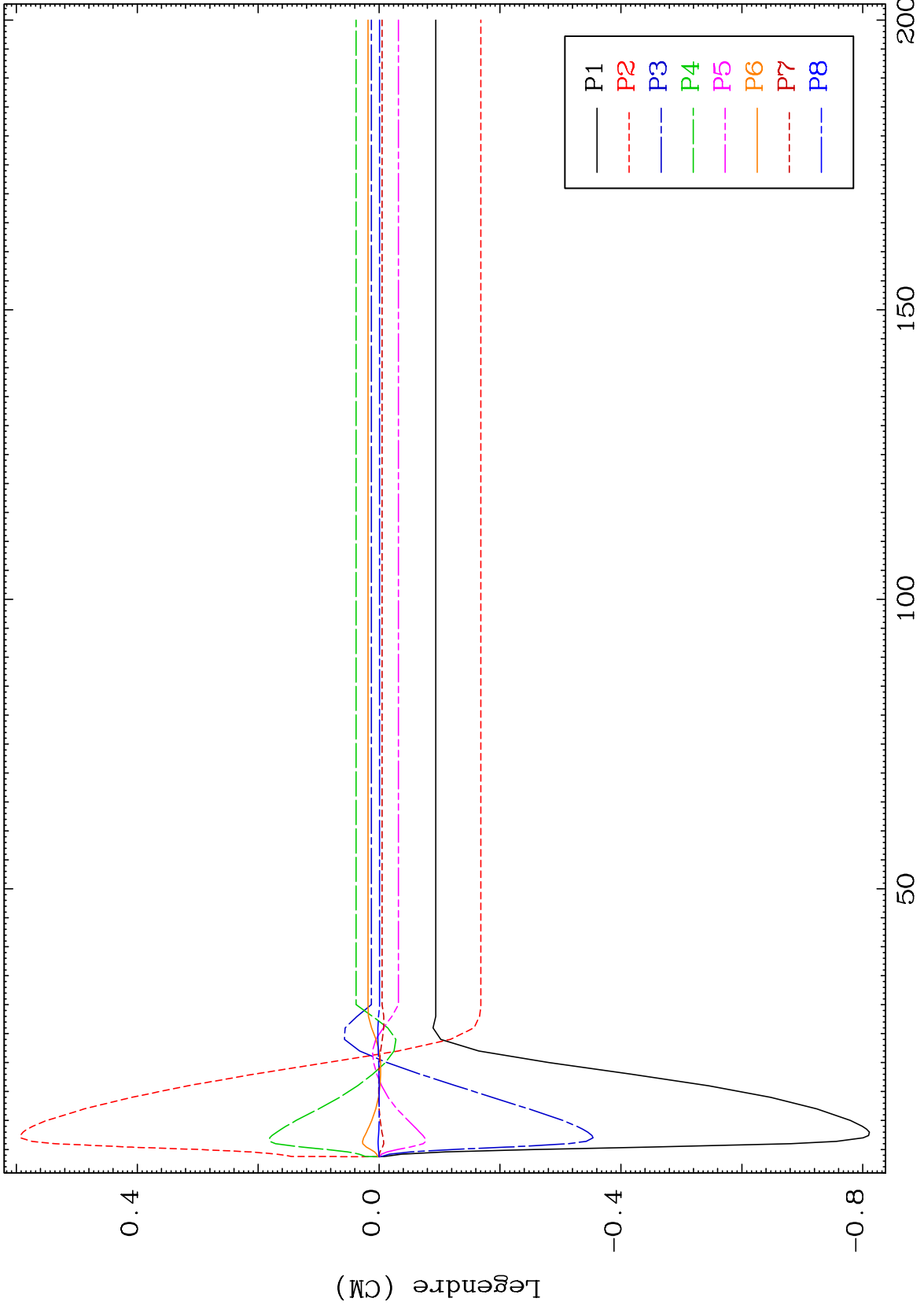


75

Incident Energy (MeV)

65-Tb-144

MAT 6480 MT= 71 (n,n') Level Legendre Coefficients 65-Tb-144

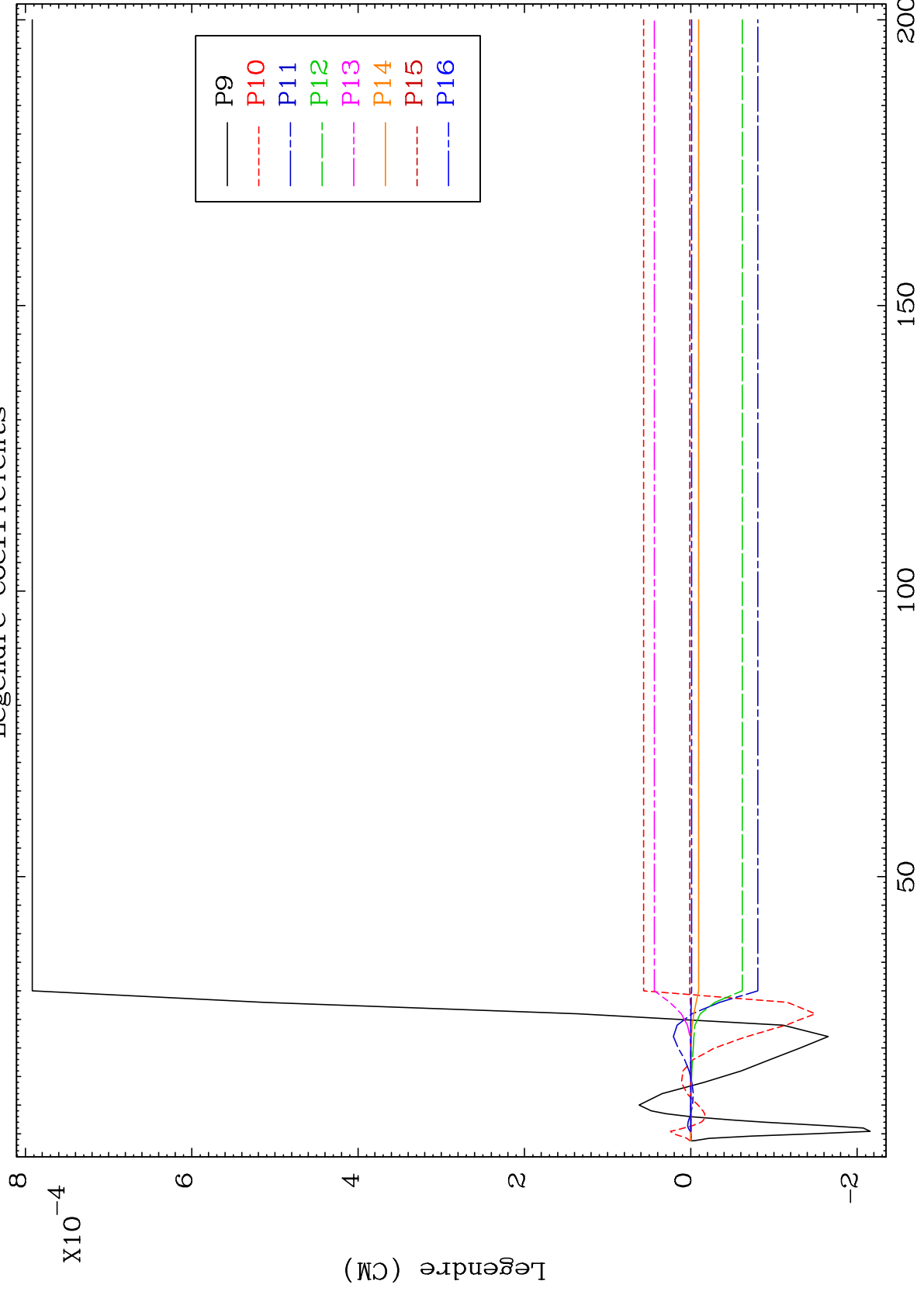


76 Incident Energy (MeV) 65-Tb-144

MAT 6480

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

65-Tb-144



77

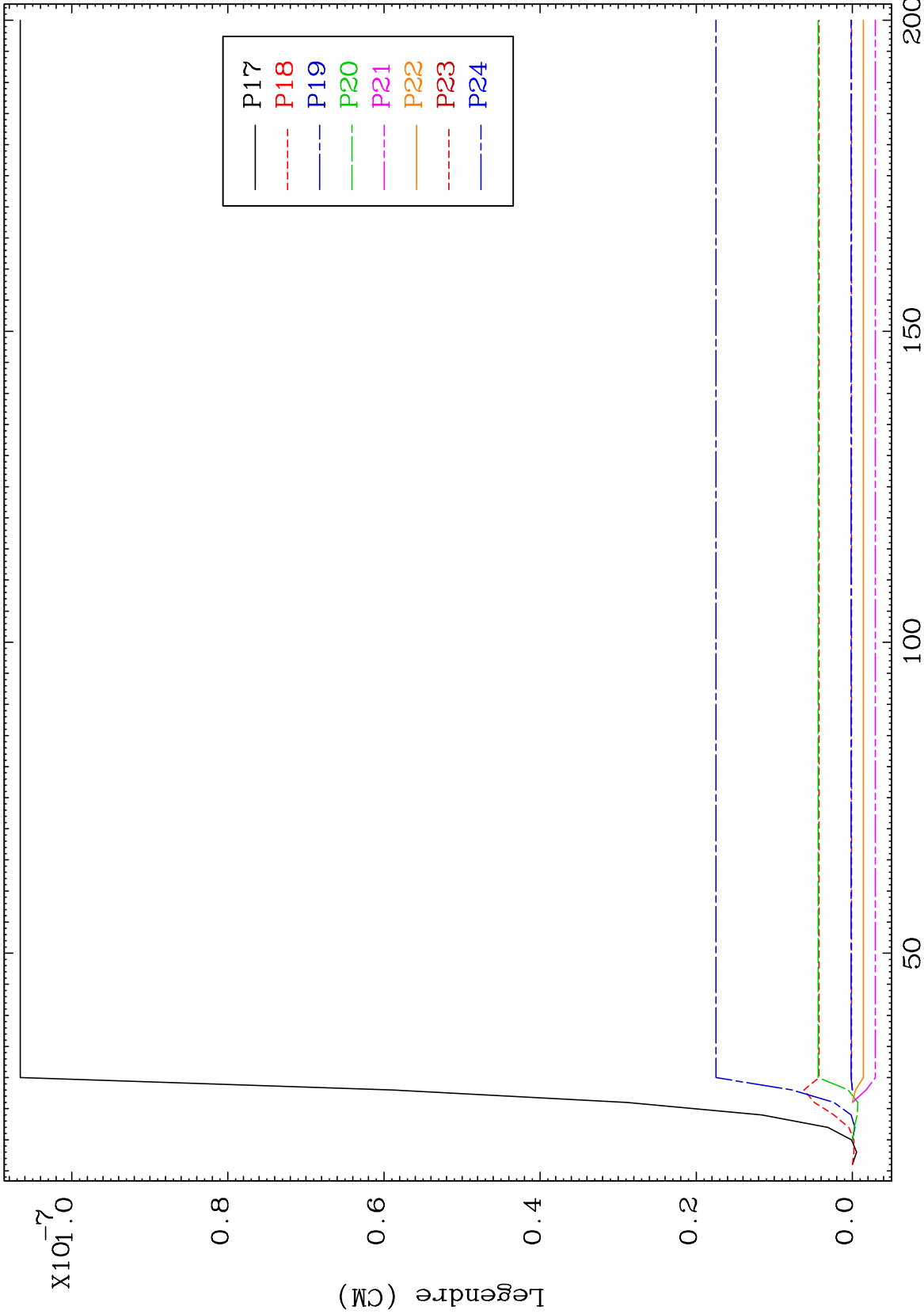
Incident Energy (MeV)

65-Tb-144

MAT 6480

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

65-Tb-144



78

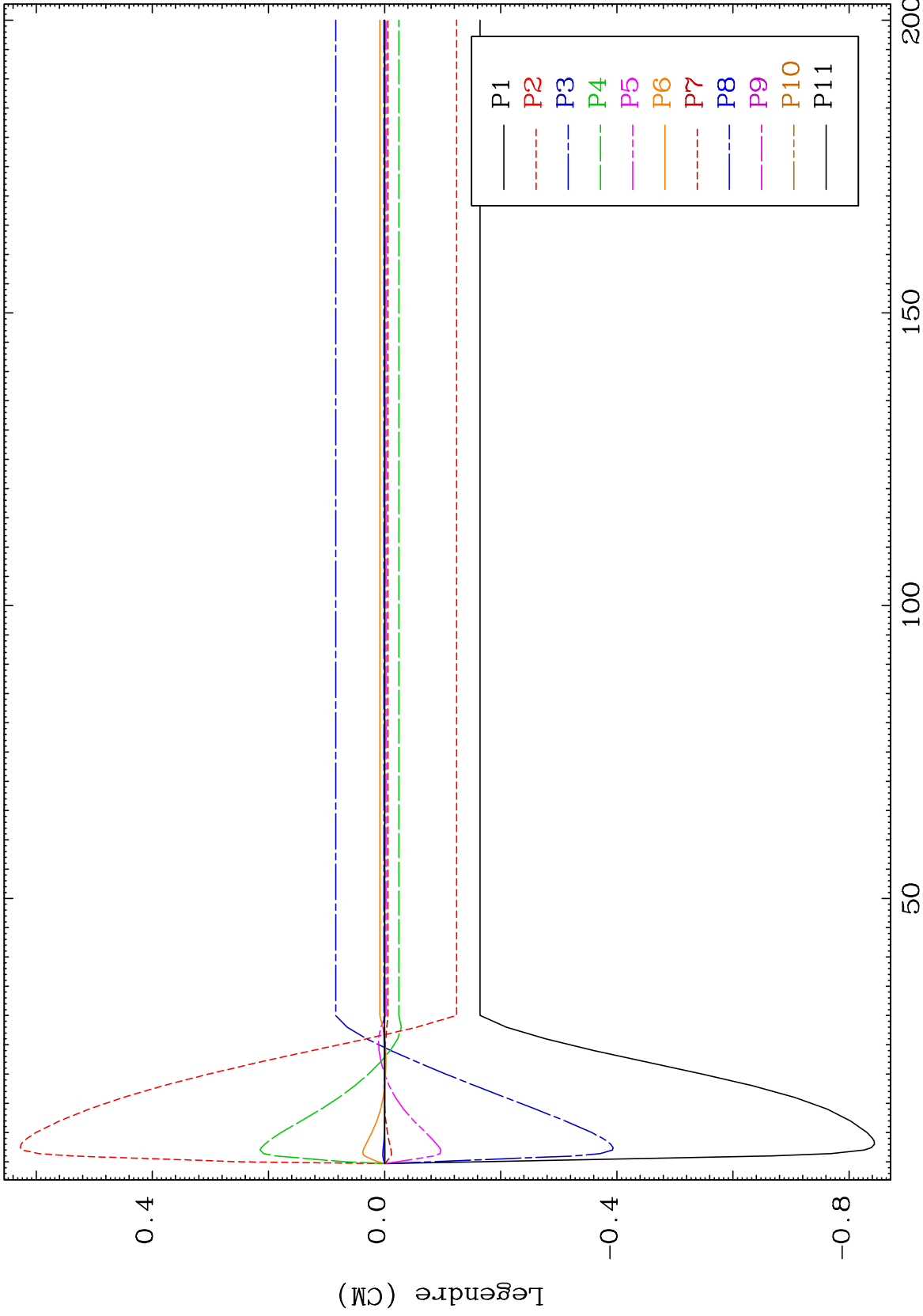
Incident Energy (MeV)

65-Tb-144

MAT 6480

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

65-Tb-144



79

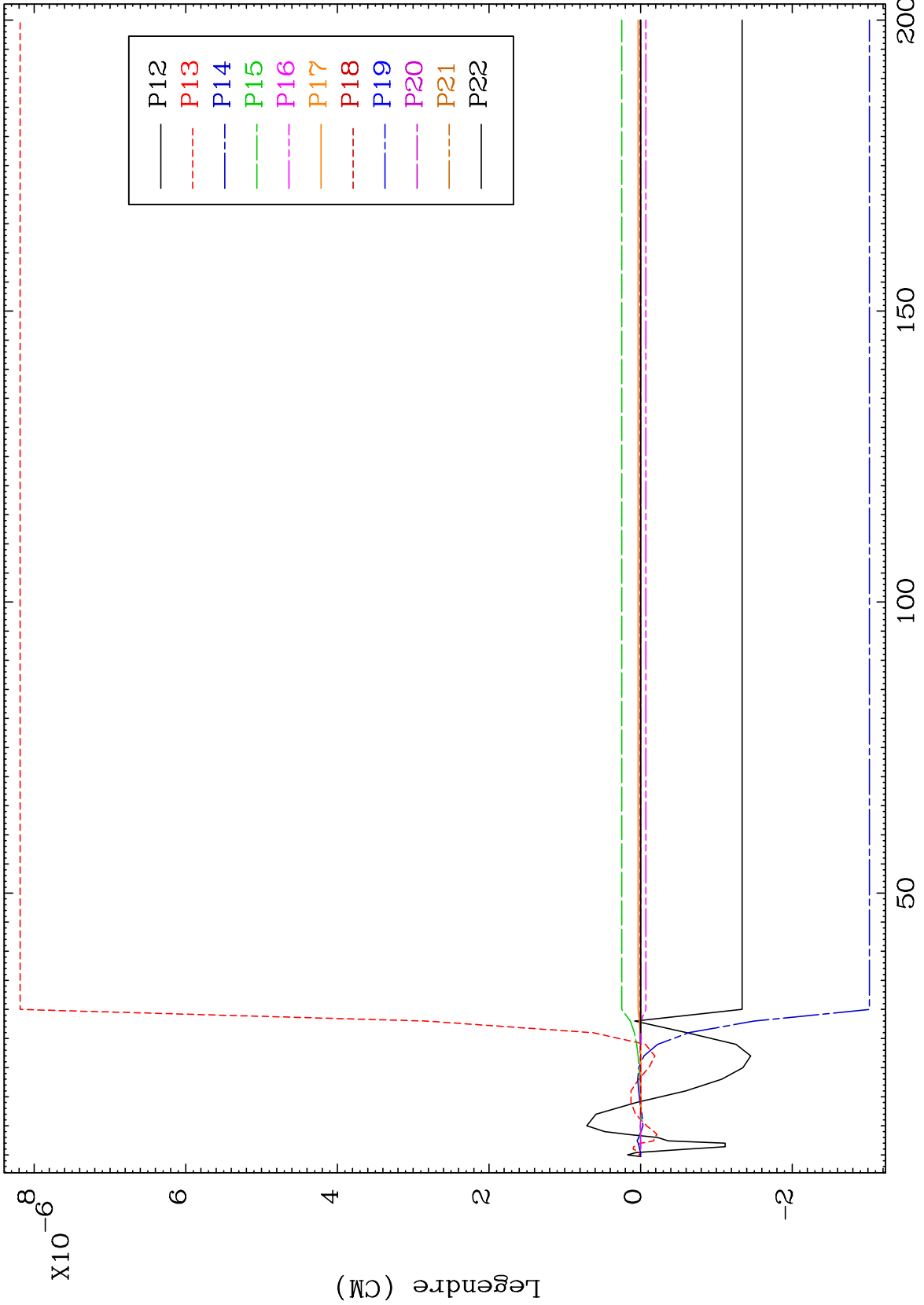
Incident Energy (MeV)

65-Tb-144

MAT 6480

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

65-Tb-144



80

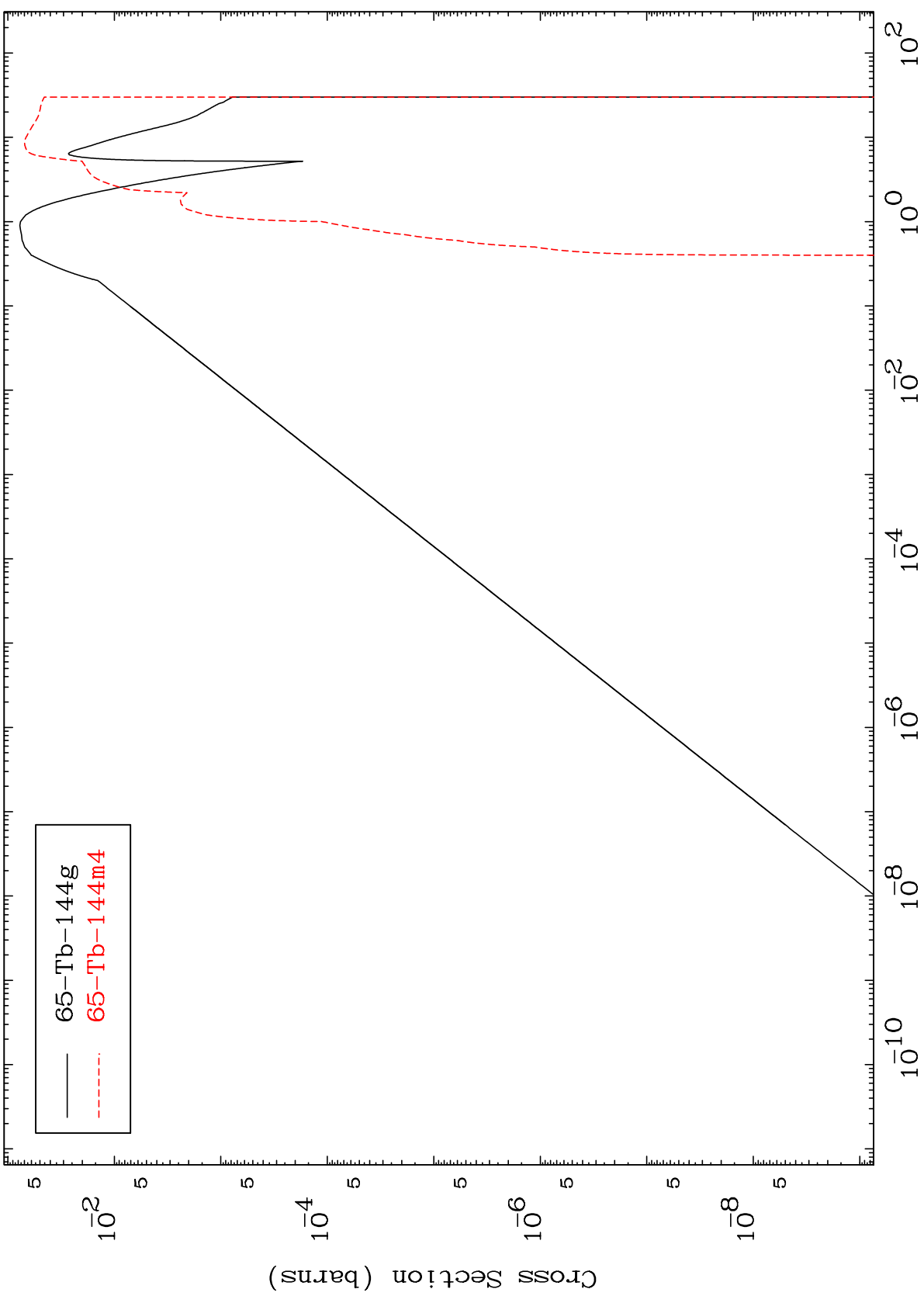
Incident Energy (MeV)

65-Tb-144

MAT 6480

Inelastic Radionuclide Production Cross Section

65-Tb-144



65-Tb-144g
65-Tb-144m4

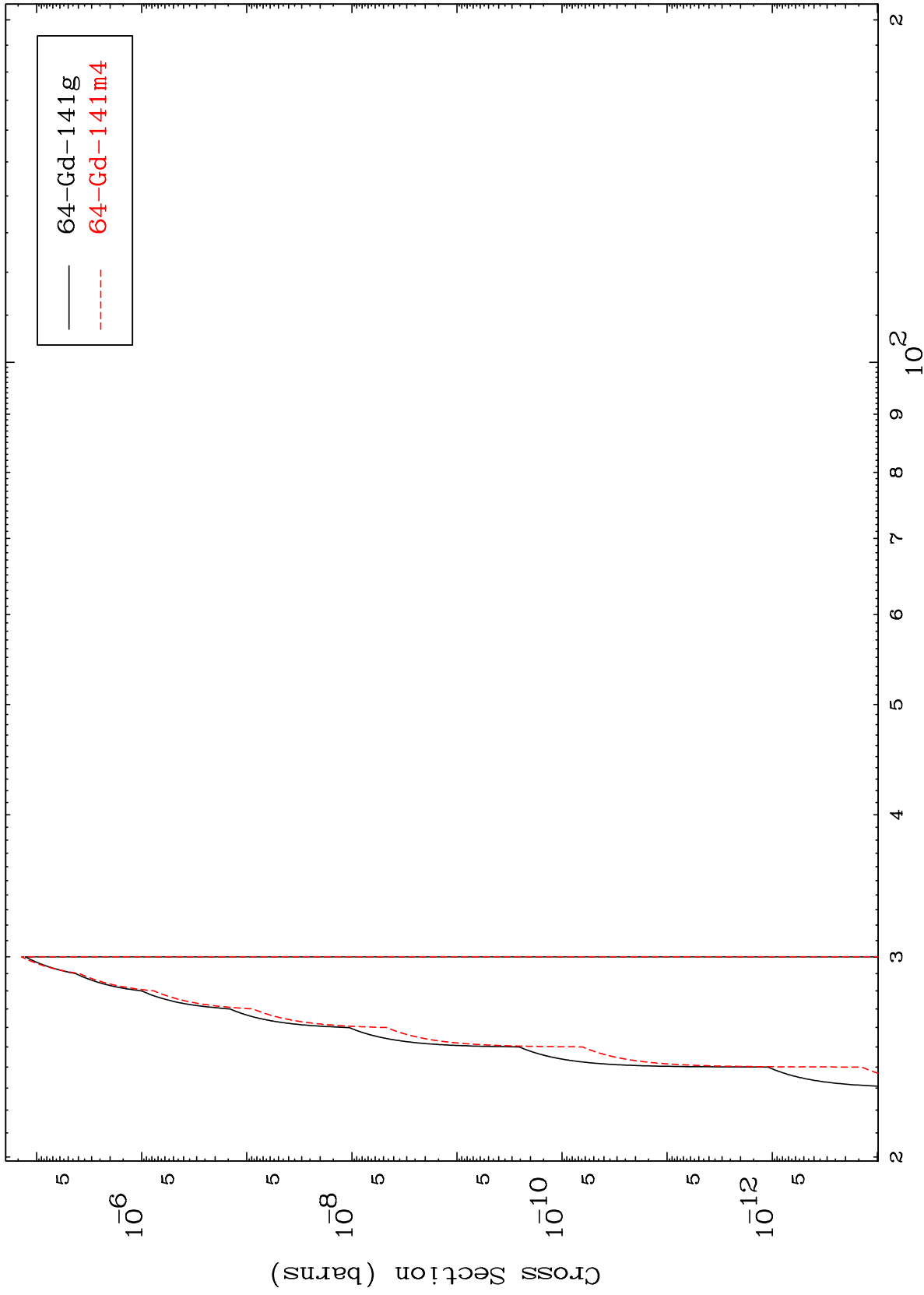
65-Tb-144

MAT 6480

(n,2n) d

65-Tb-144

Radionuclide Production Cross Section



82

Incident Energy (MeV)

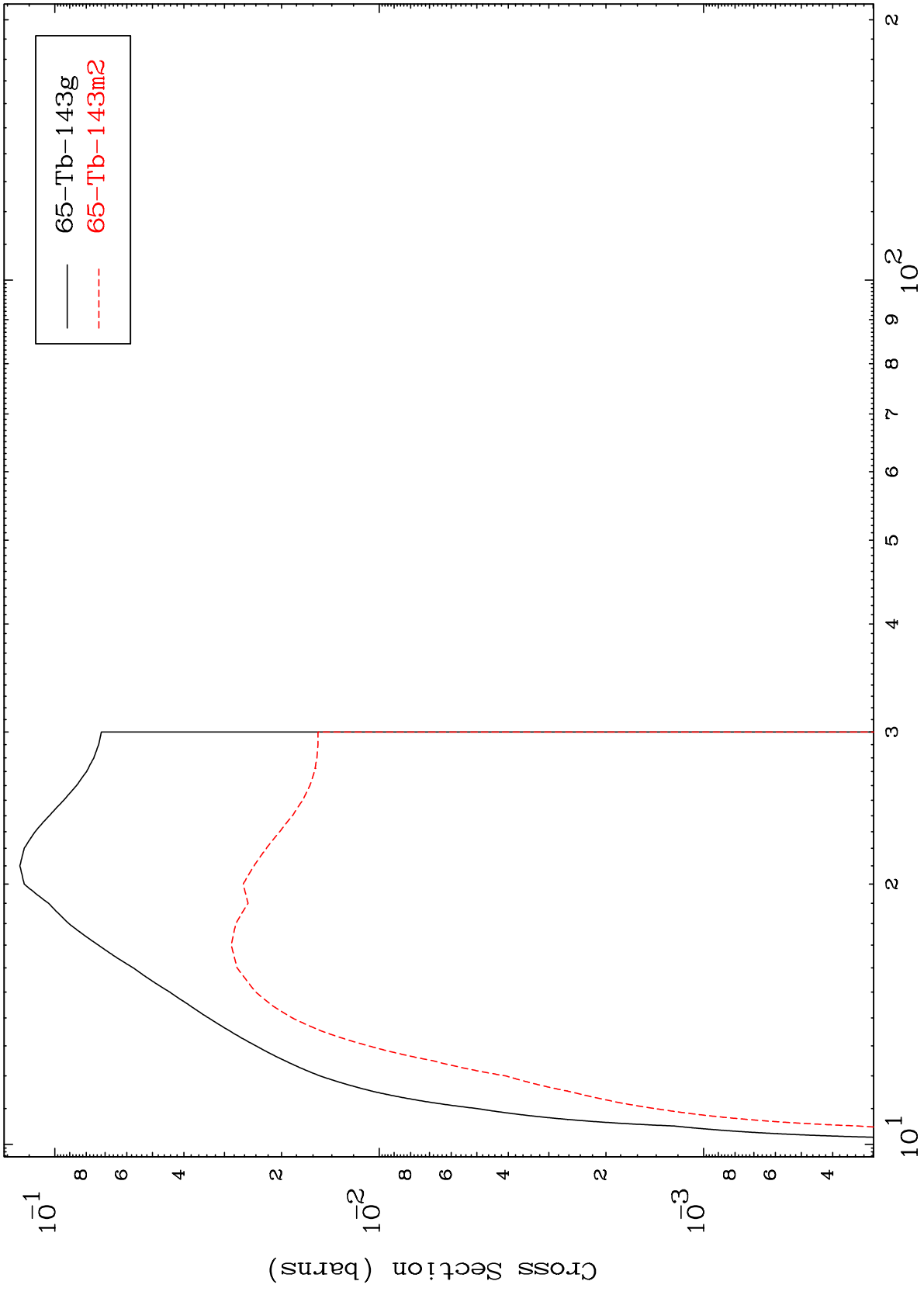
65-Tb-144

MAT 6480

(n,2n)

65-Tb-144

Radionuclide Production Cross Section



83

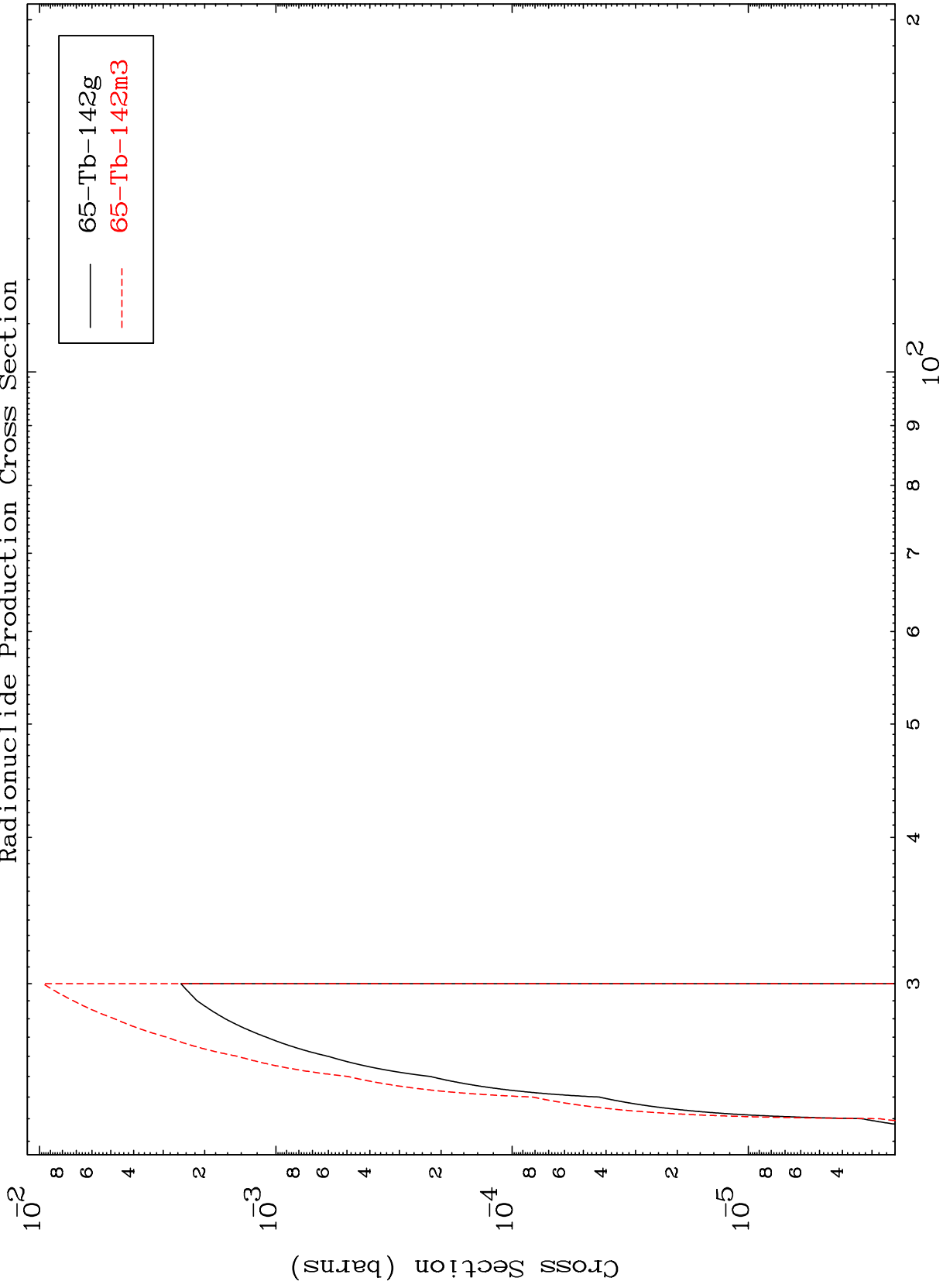
Incident Energy (MeV)

65-Tb-144

MAT 6480

65-Tb-144

(n,3n)
Radionuclide Production Cross Section



84

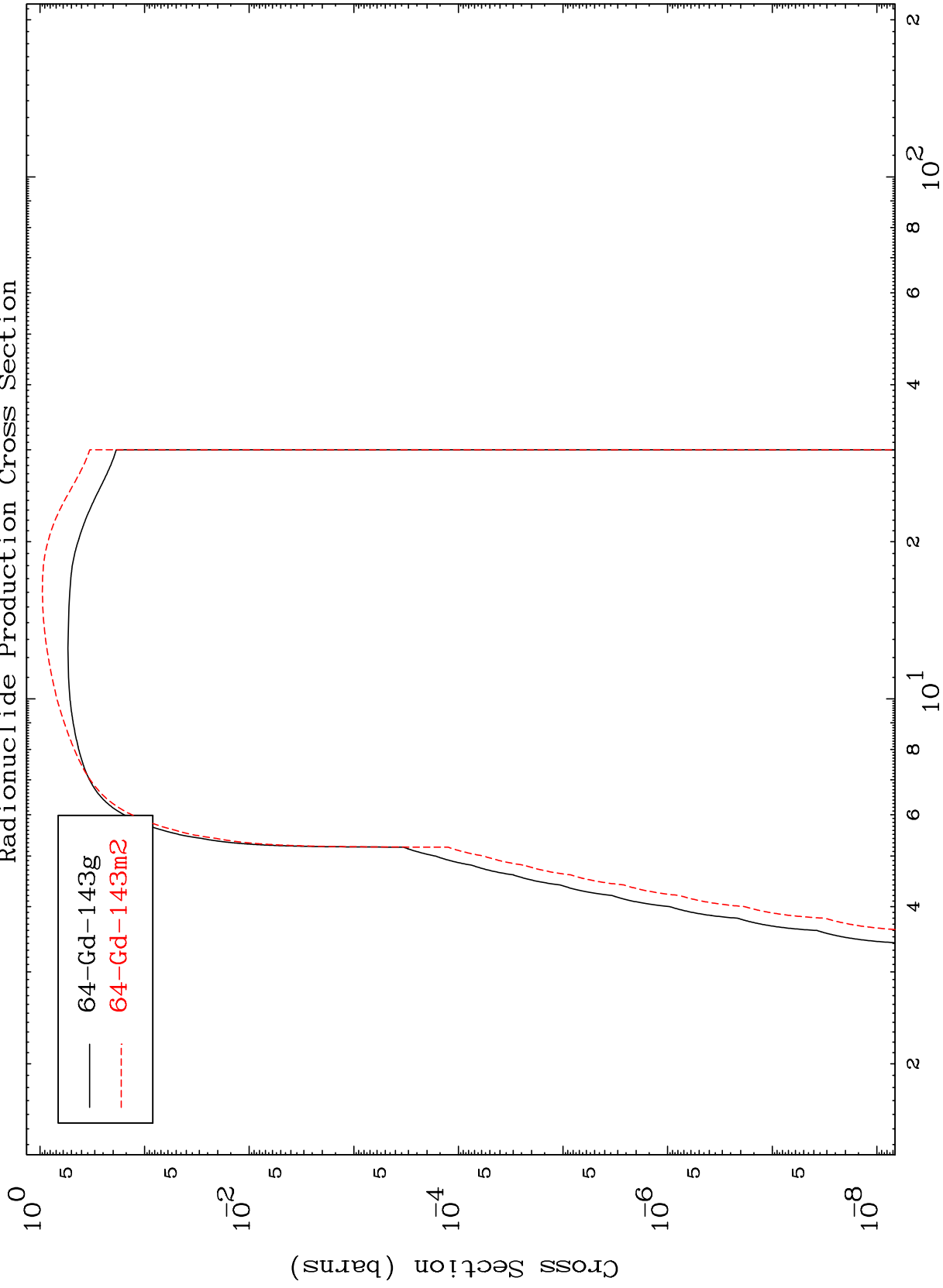
Incident Energy (MeV)

65-Tb-144

MAT 6480

65-Tb-144

(n,n') p
Radionuclide Production Cross Section



85

Incident Energy (MeV)

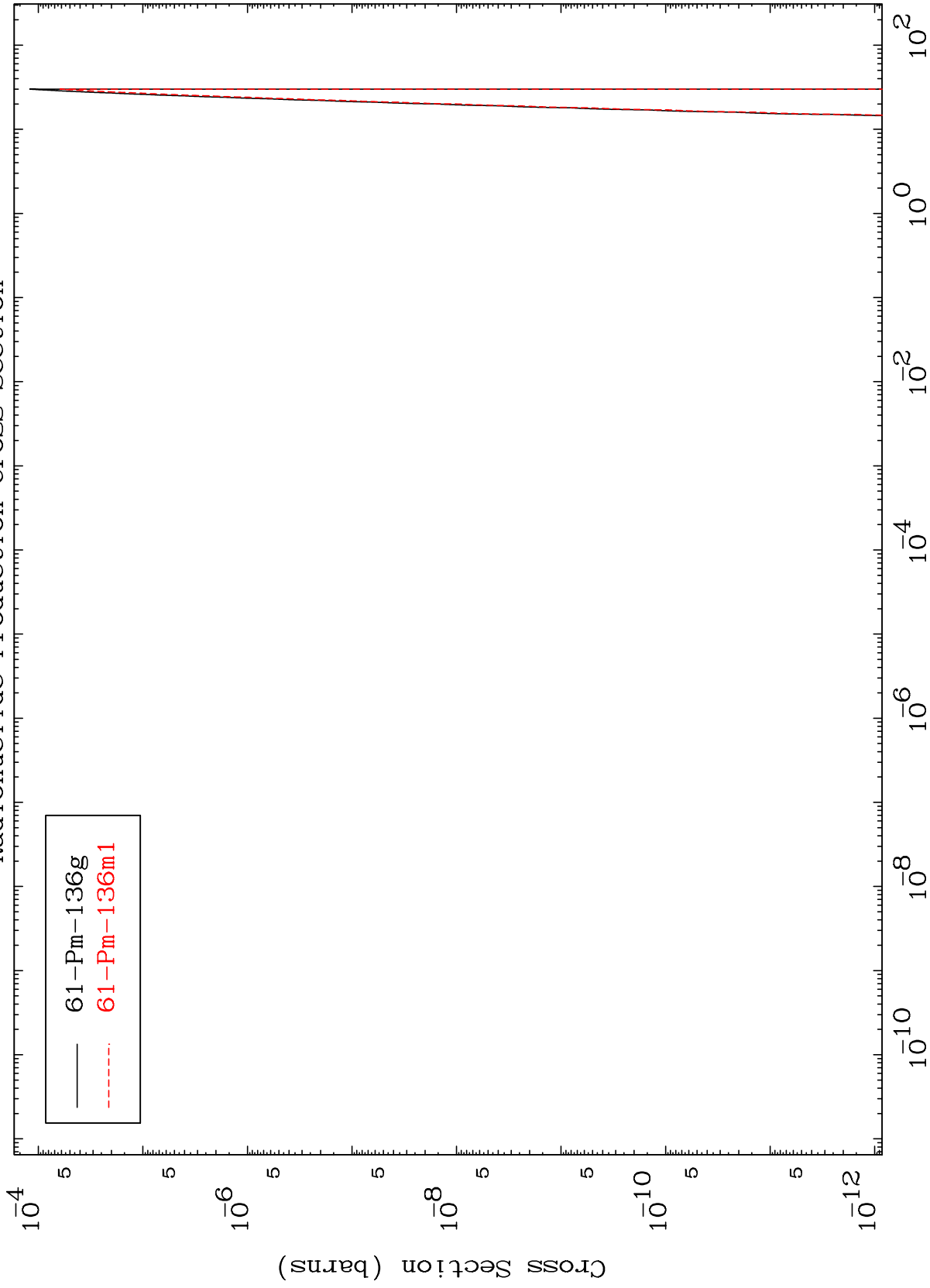
65-Tb-144

MAT 6480

(n,n') 2 α

65-Tb-144

Radionuclide Production Cross Section



86

Incident Energy (MeV)

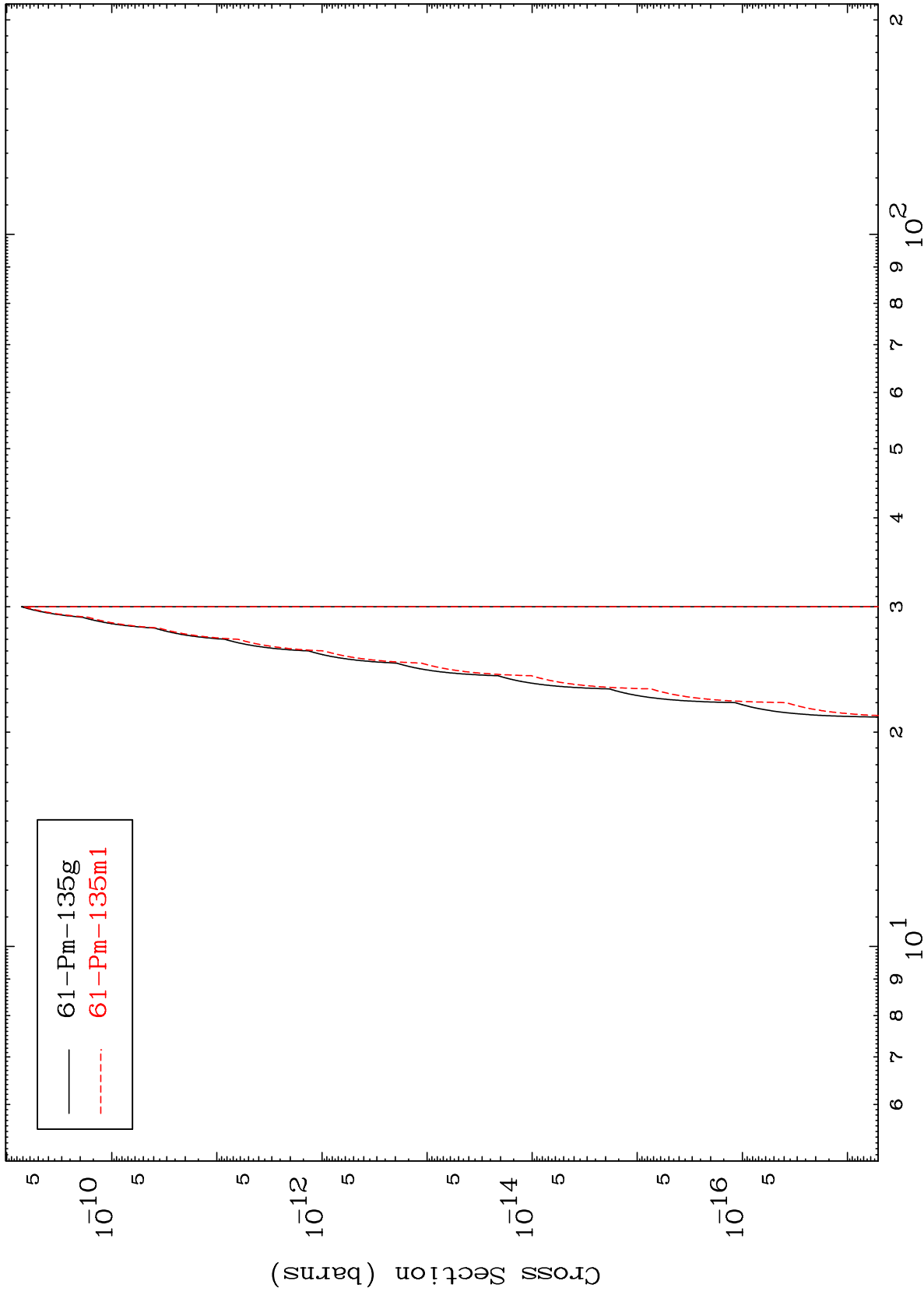
65-Tb-144

MAT 6480

(n,2n) 2 α

65-Tb-144

Radionuclide Production Cross Section



87

Incident Energy (MeV)

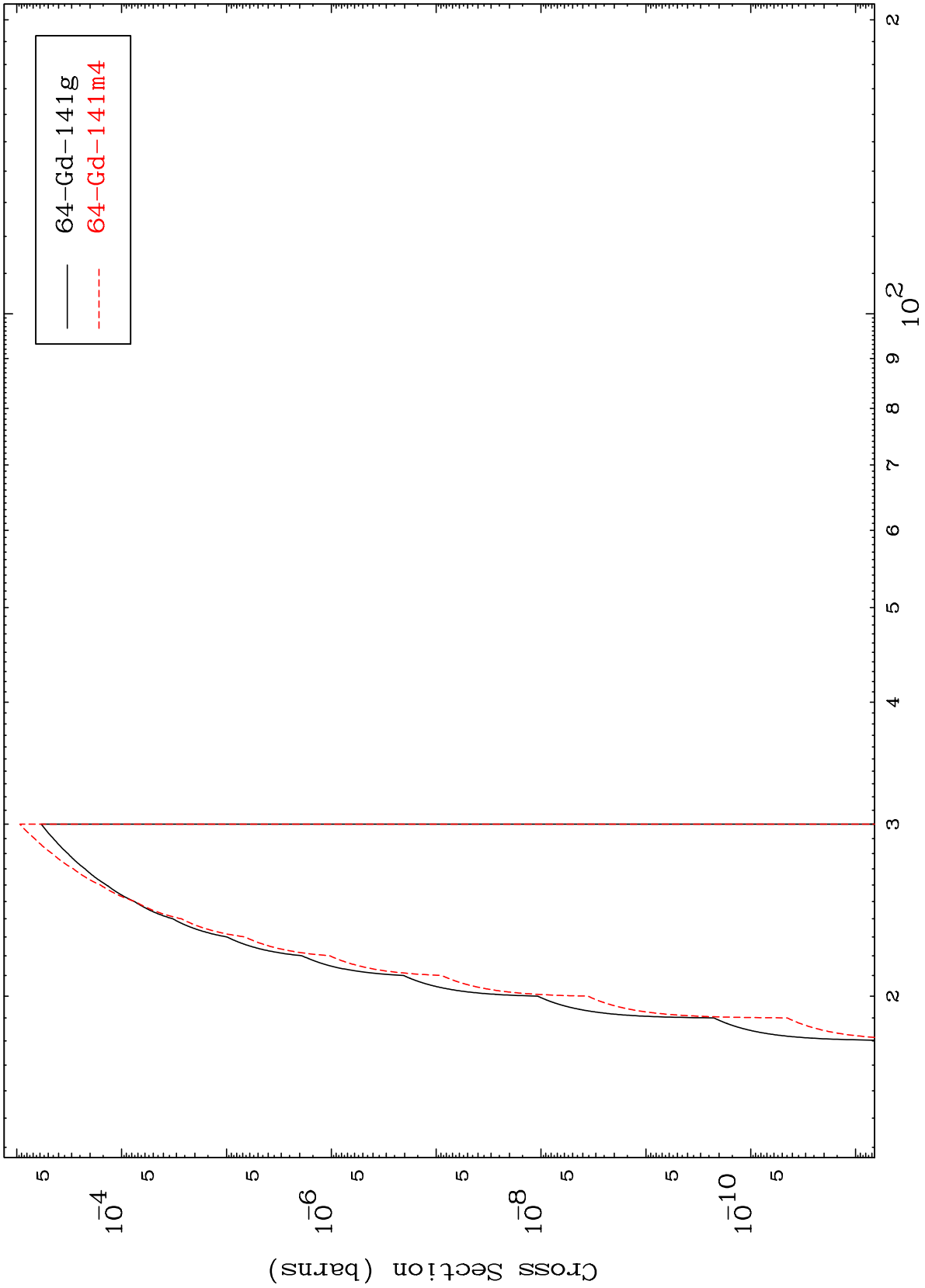
65-Tb-144

MAT 6480

(n,n') t

65-Tb-144

Radionuclide Production Cross Section



88

Incident Energy (MeV)

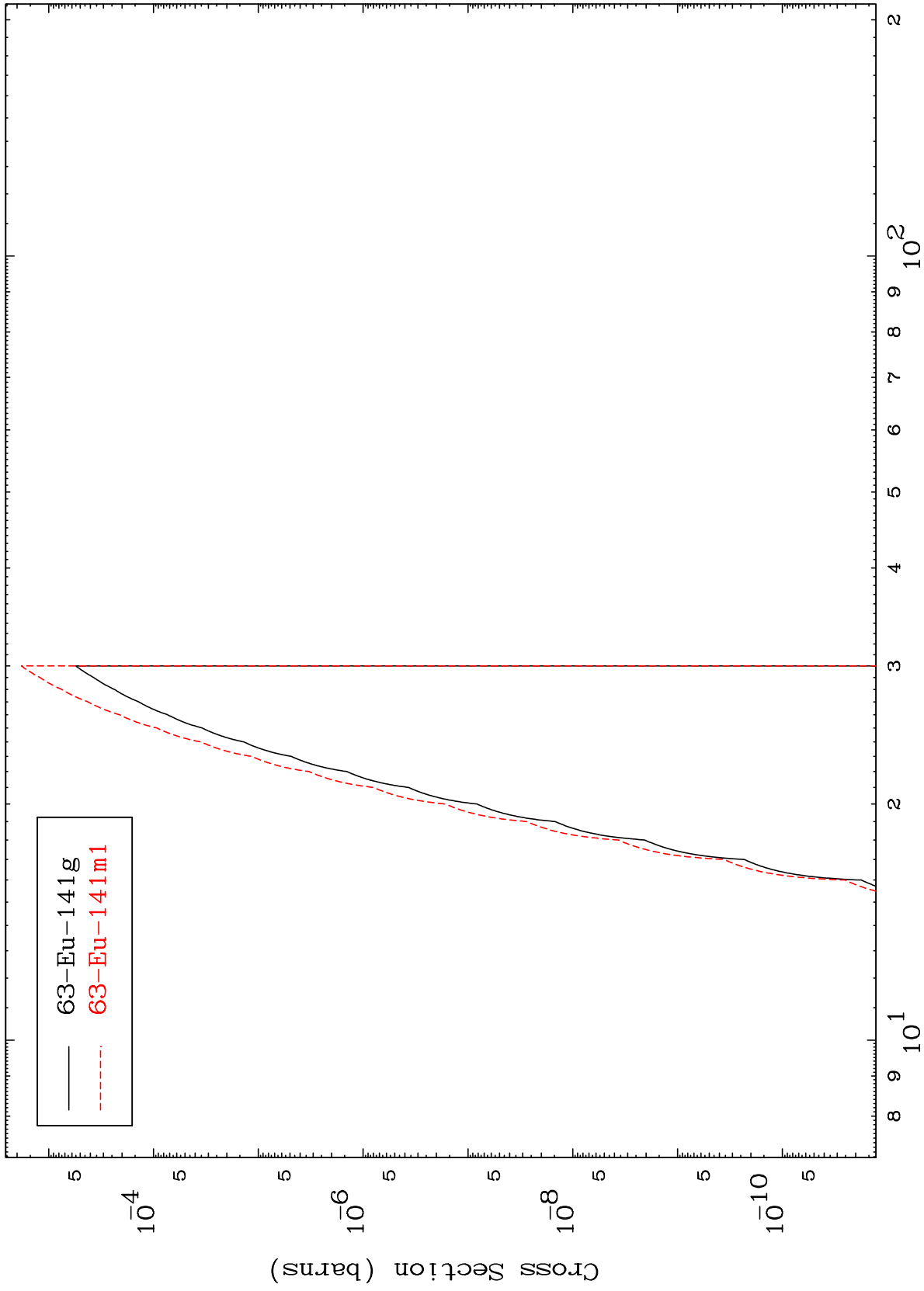
65-Tb-144

MAT 6480

(n, n') He-3

65-Tb-144

Radionuclide Production Cross Section



89

Incident Energy (MeV)

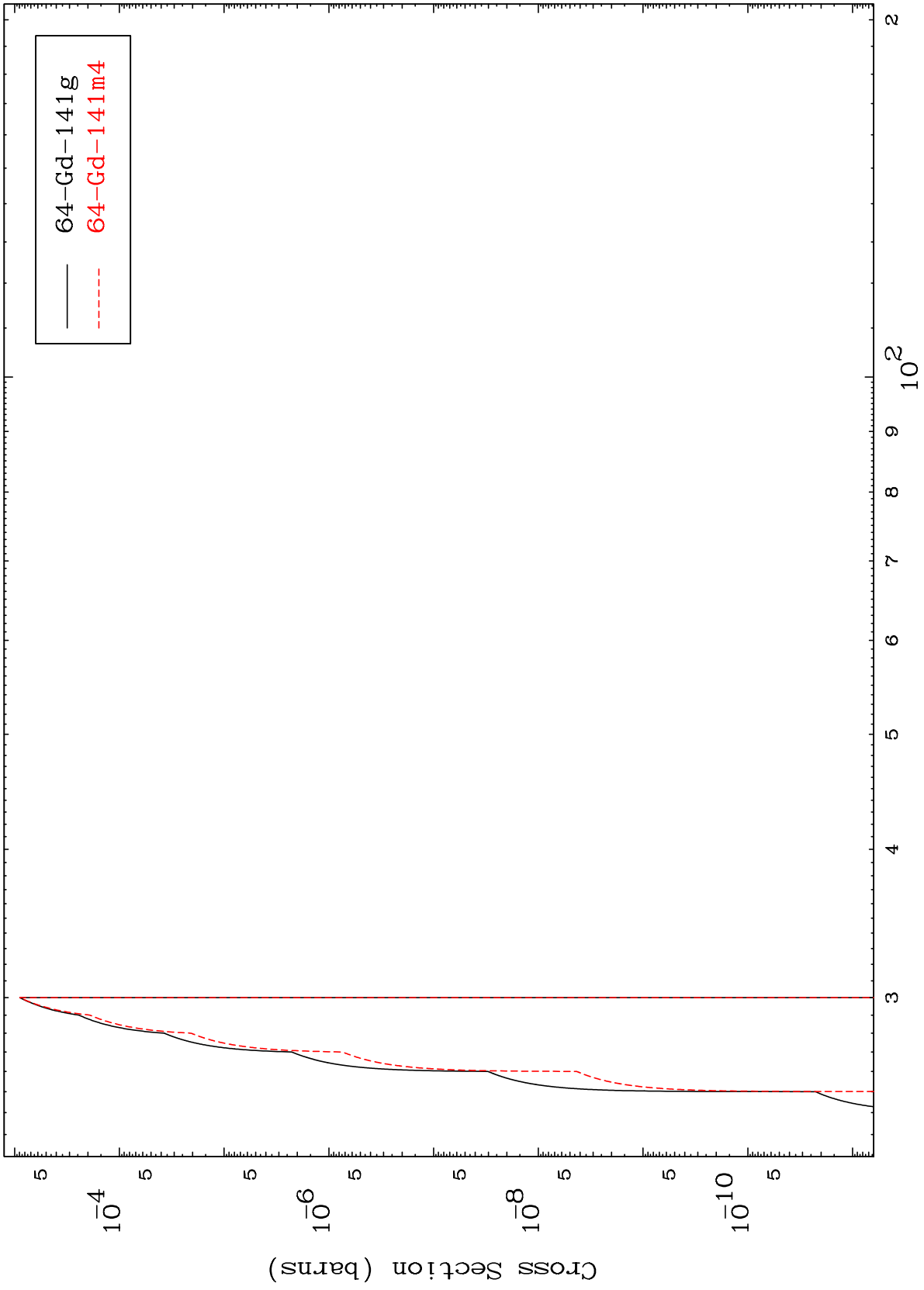
65-Tb-144

MAT 6480

(n,3n) p

65-Tb-144

Radionuclide Production Cross Section



90

Incident Energy (MeV)

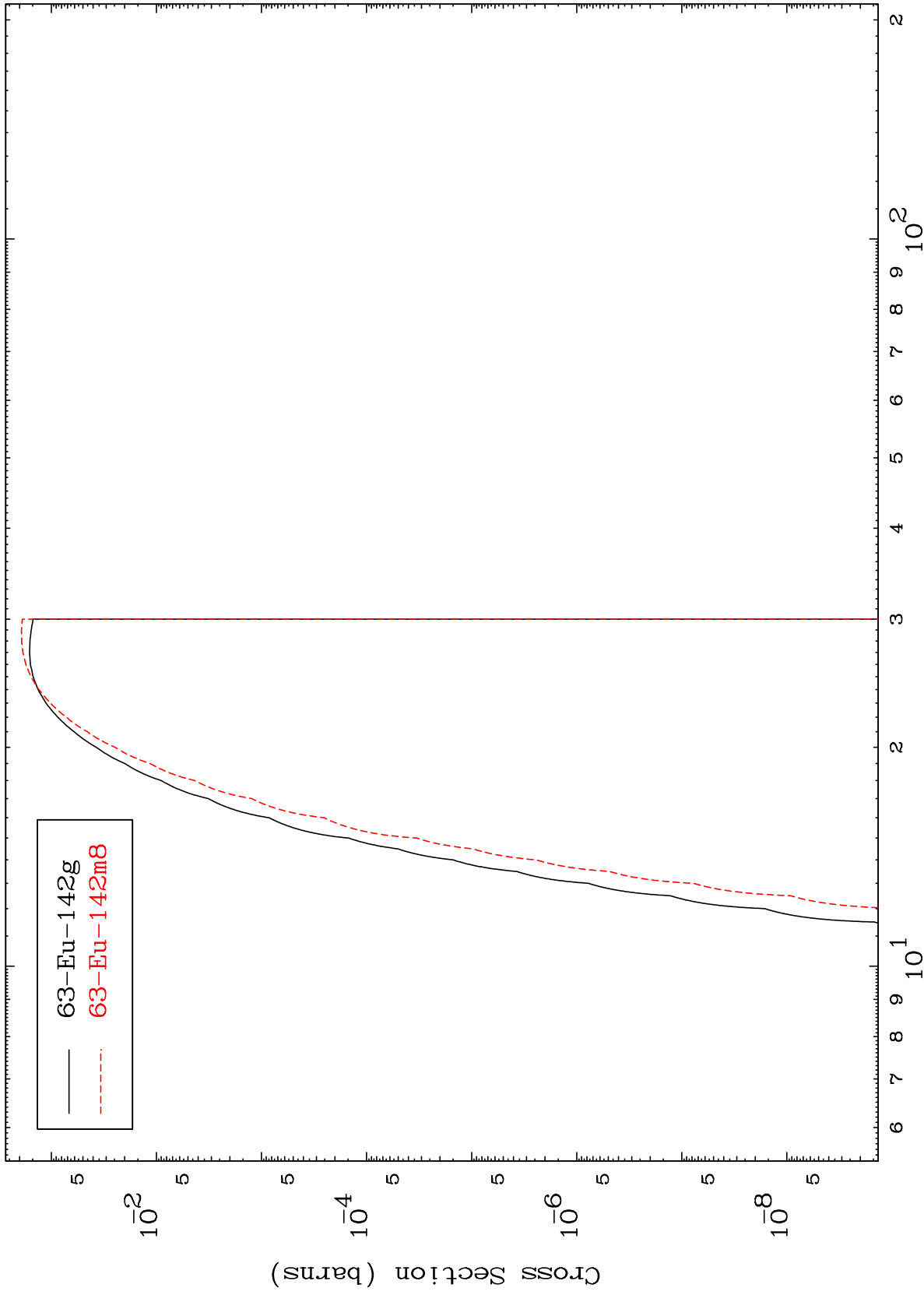
65-Tb-144

MAT 6480

(n,2n) p

65-Tb-144

Radionuclide Production Cross Section



91

Incident Energy (MeV)

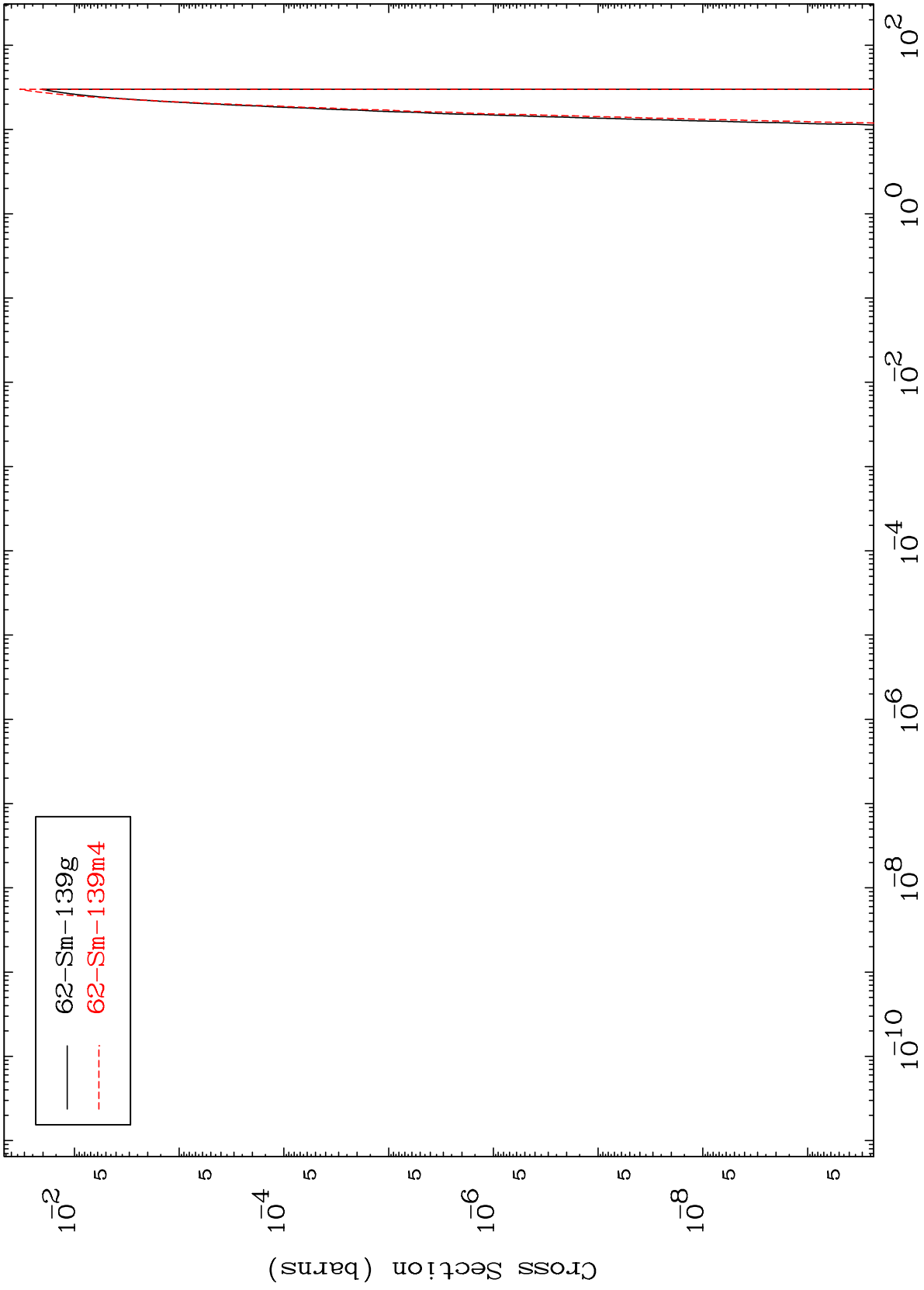
65-Tb-144

MAT 6480

(n,n') p α

65-Tb-144

Radionuclide Production Cross Section



92

Incident Energy (MeV)

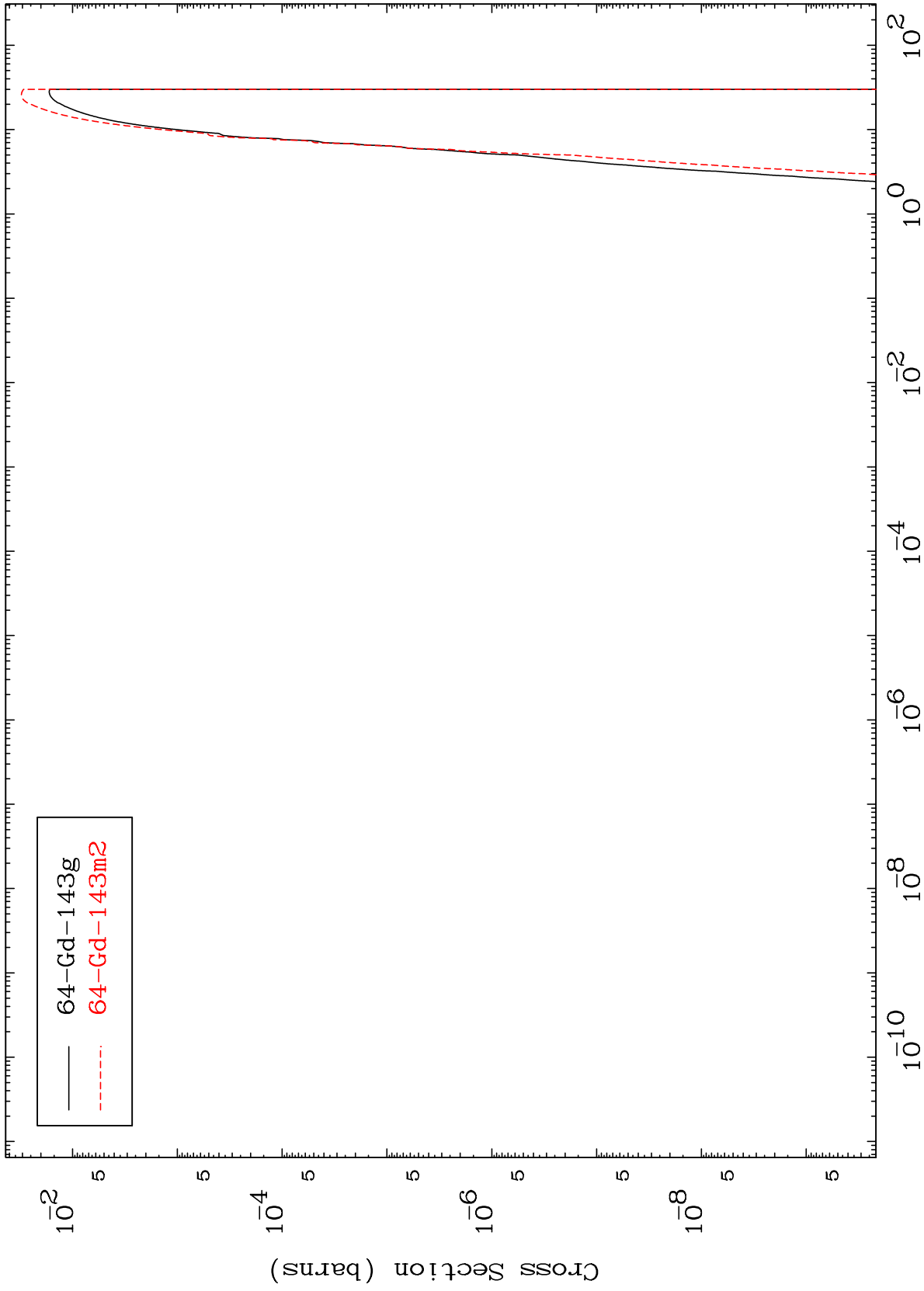
65-Tb-144

MAT 6480

(n,d)

65-Tb-144

Radionuclide Production Cross Section



— 64-Gd-143g
- - - 64-Gd-143m2

93

Incident Energy (MeV)

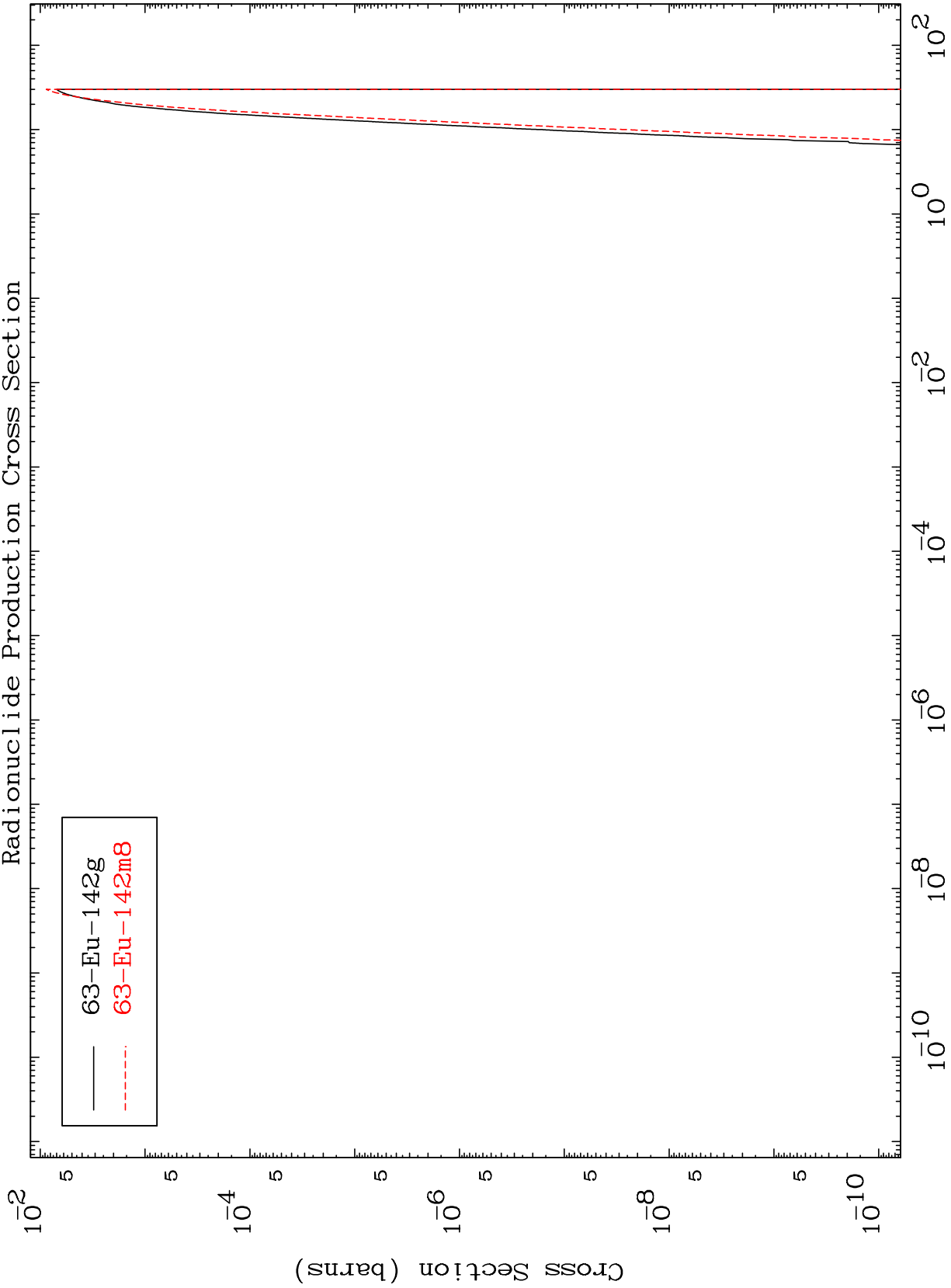
65-Tb-144

MAT 6480

(n, He-3)

65-Tb-144

Radionuclide Production Cross Section

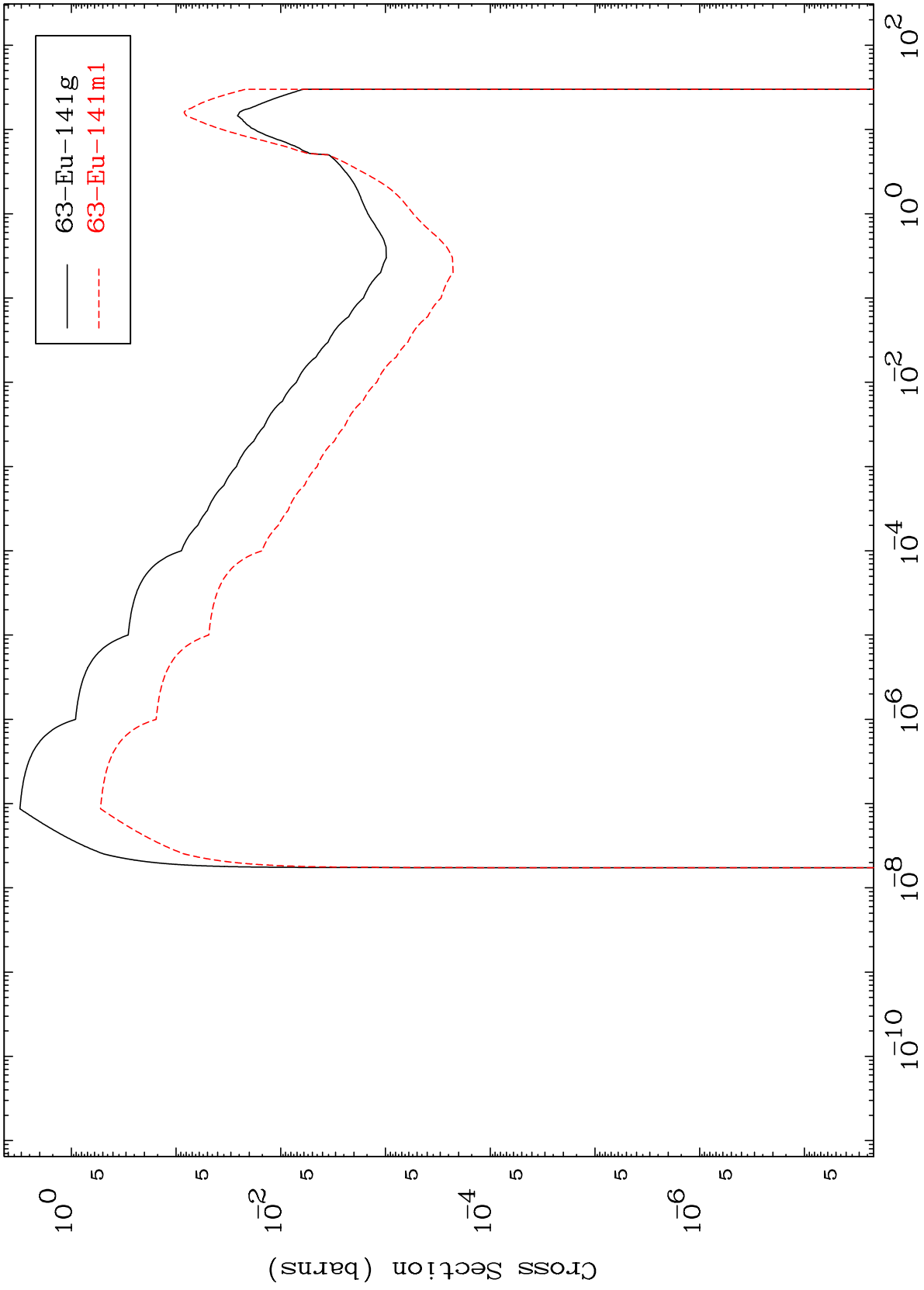


63-Eu-142g
63-Eu-142m8

MAT 6480

65-Tb-144

Radionuclide Production Cross Section



95

Incident Energy (MeV)

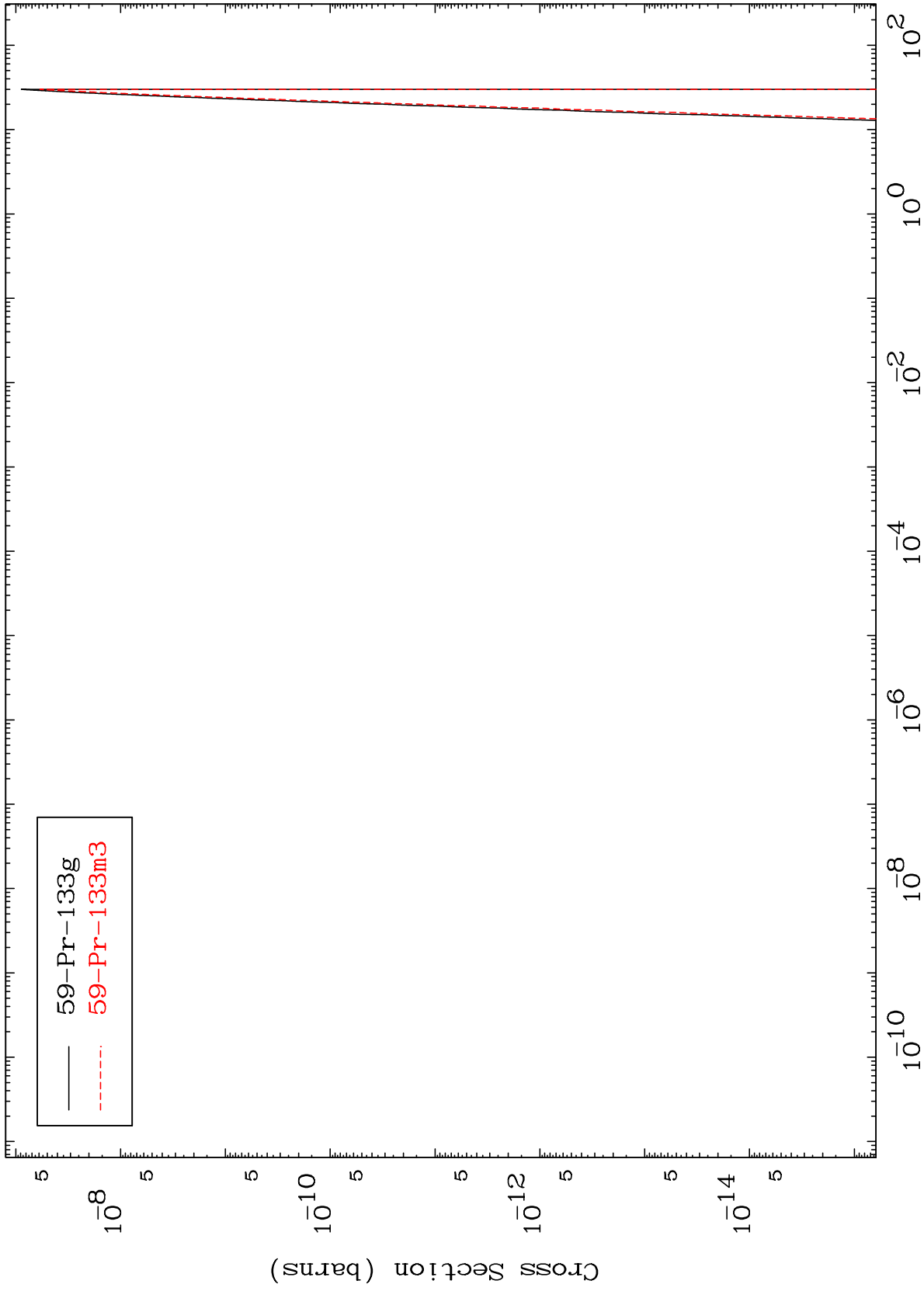
65-Tb-144

MAT 6480

(n,3α)

65-Tb-144

Radionuclide Production Cross Section



96

Incident Energy (MeV)

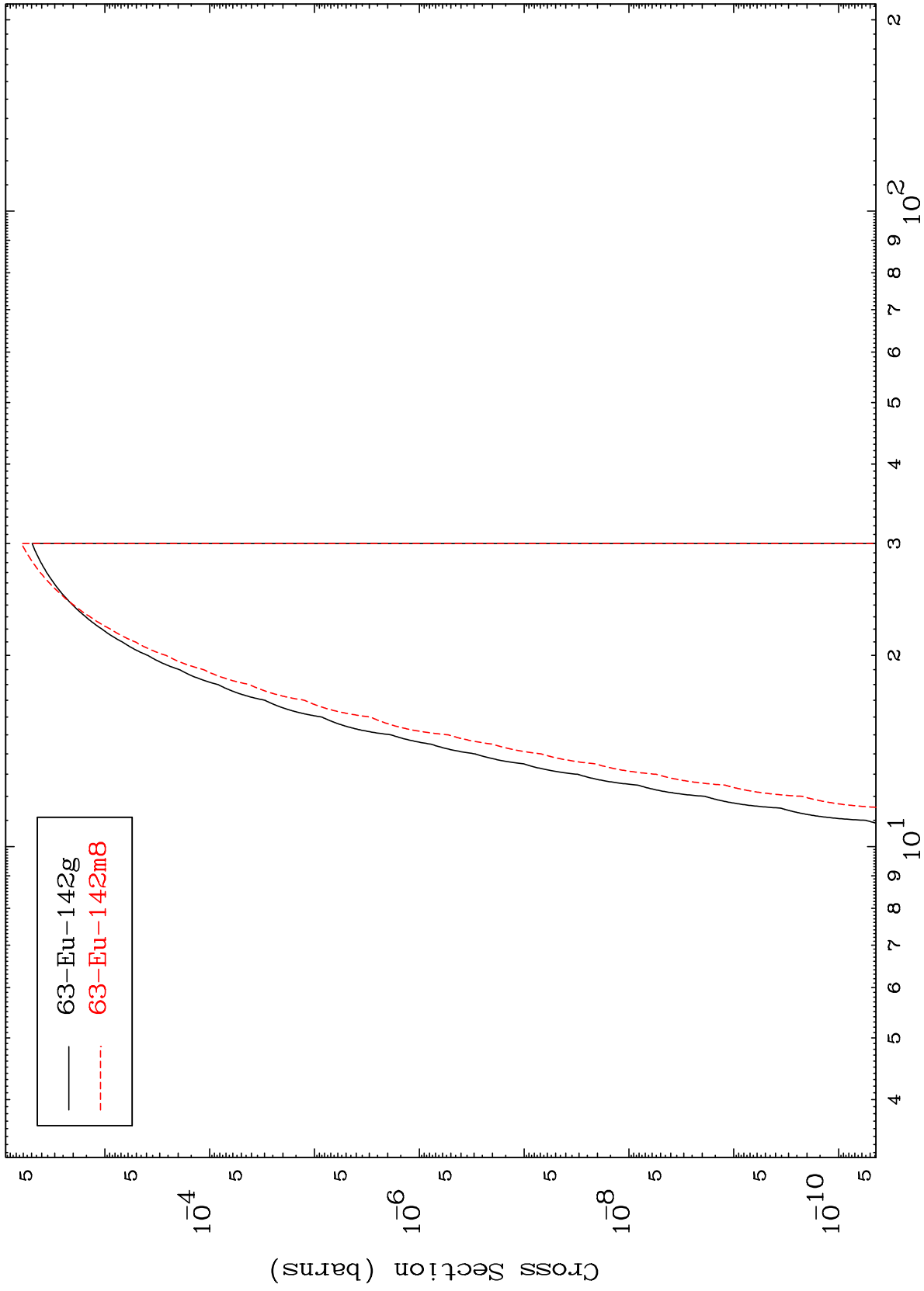
65-Tb-144

MAT 6480

(n,p) d

65-Tb-144

Radionuclide Production Cross Section



97

Incident Energy (MeV)

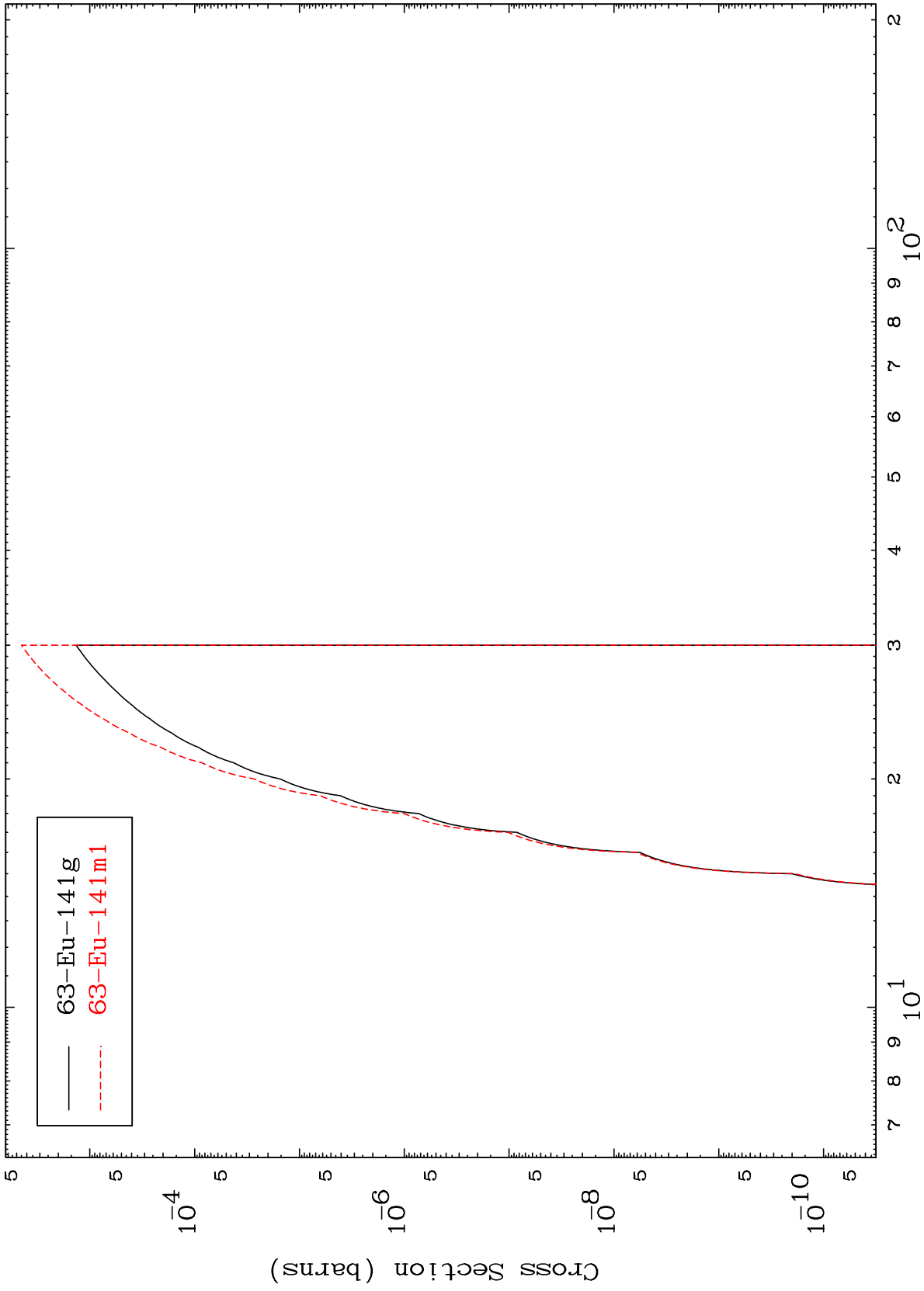
65-Tb-144

MAT 6480

(n,p) t

65-Tb-144

Radionuclide Production Cross Section



98

Incident Energy (MeV)

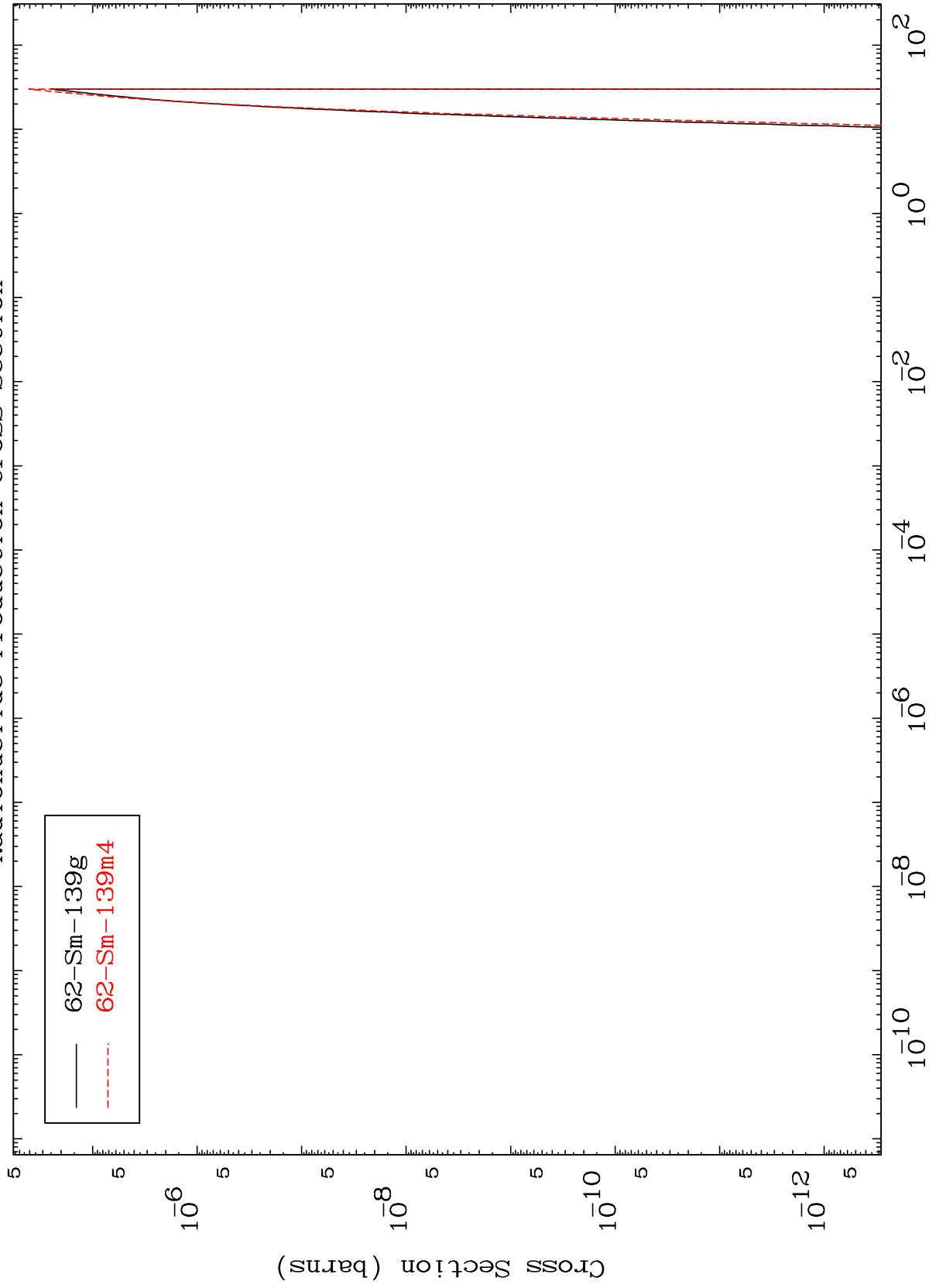
65-Tb-144

MAT 6480

(n,d) α

65-Tb-144

Radionuclide Production Cross Section



99

Incident Energy (MeV)

65-Tb-144