

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

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

Tele: 925-443-1911

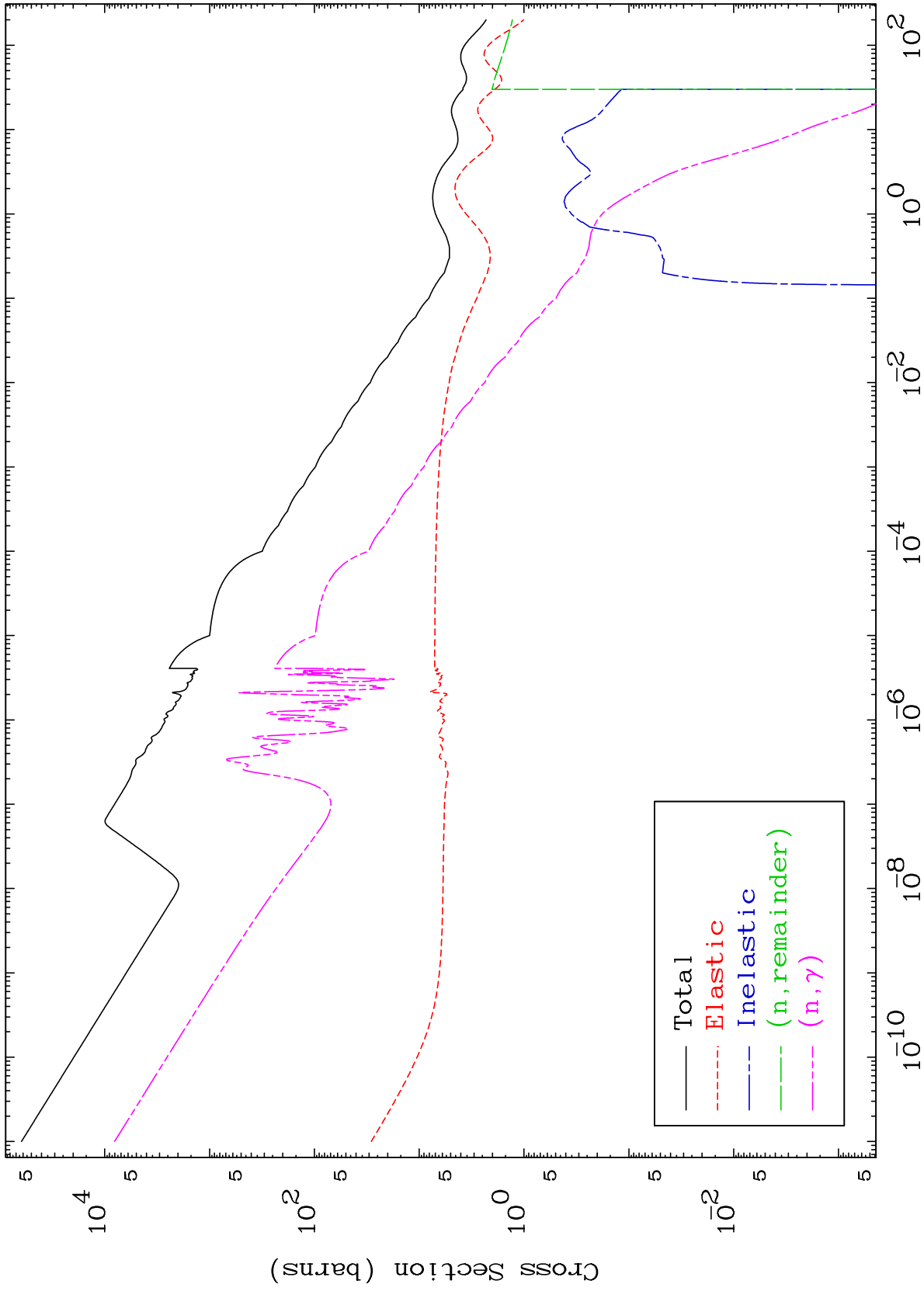
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 6477

Major  
293 Kelvin Cross Sections

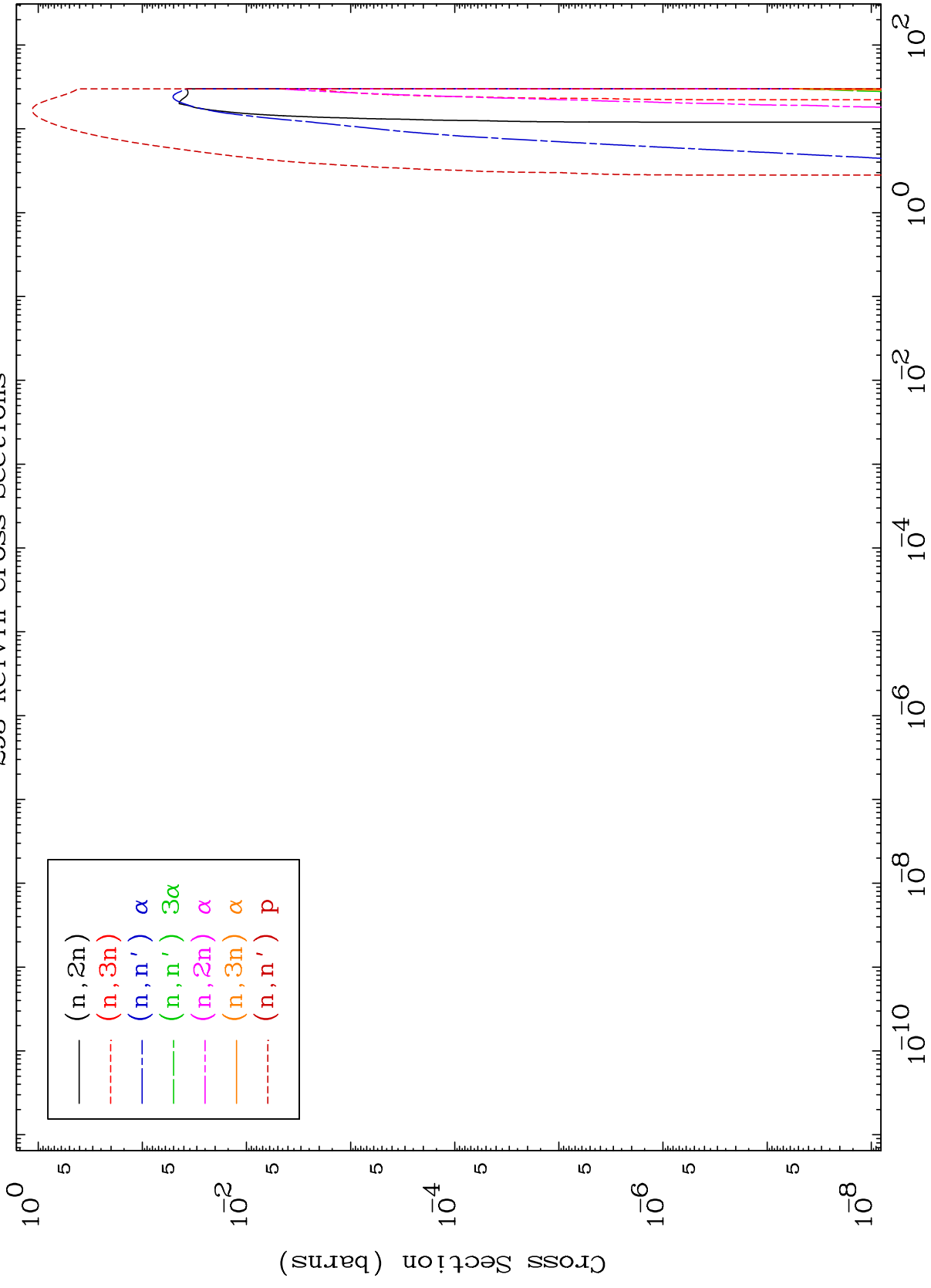
65-Tb-143



MAT 6477

Neutron Production  
293 Kelvin Cross Sections

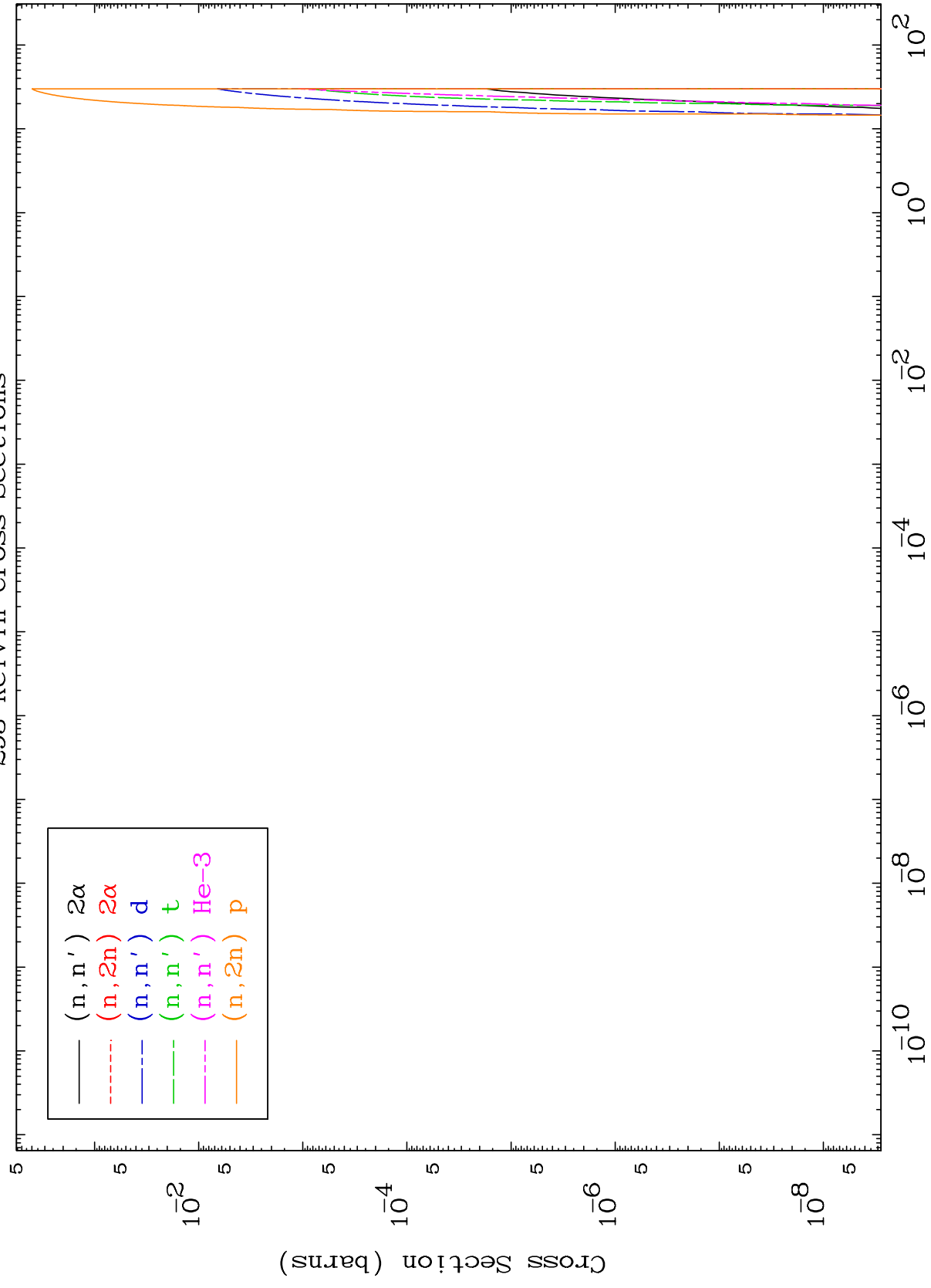
65-Tb-143



MAT 6477

Neutron Production  
293 Kelvin Cross Sections

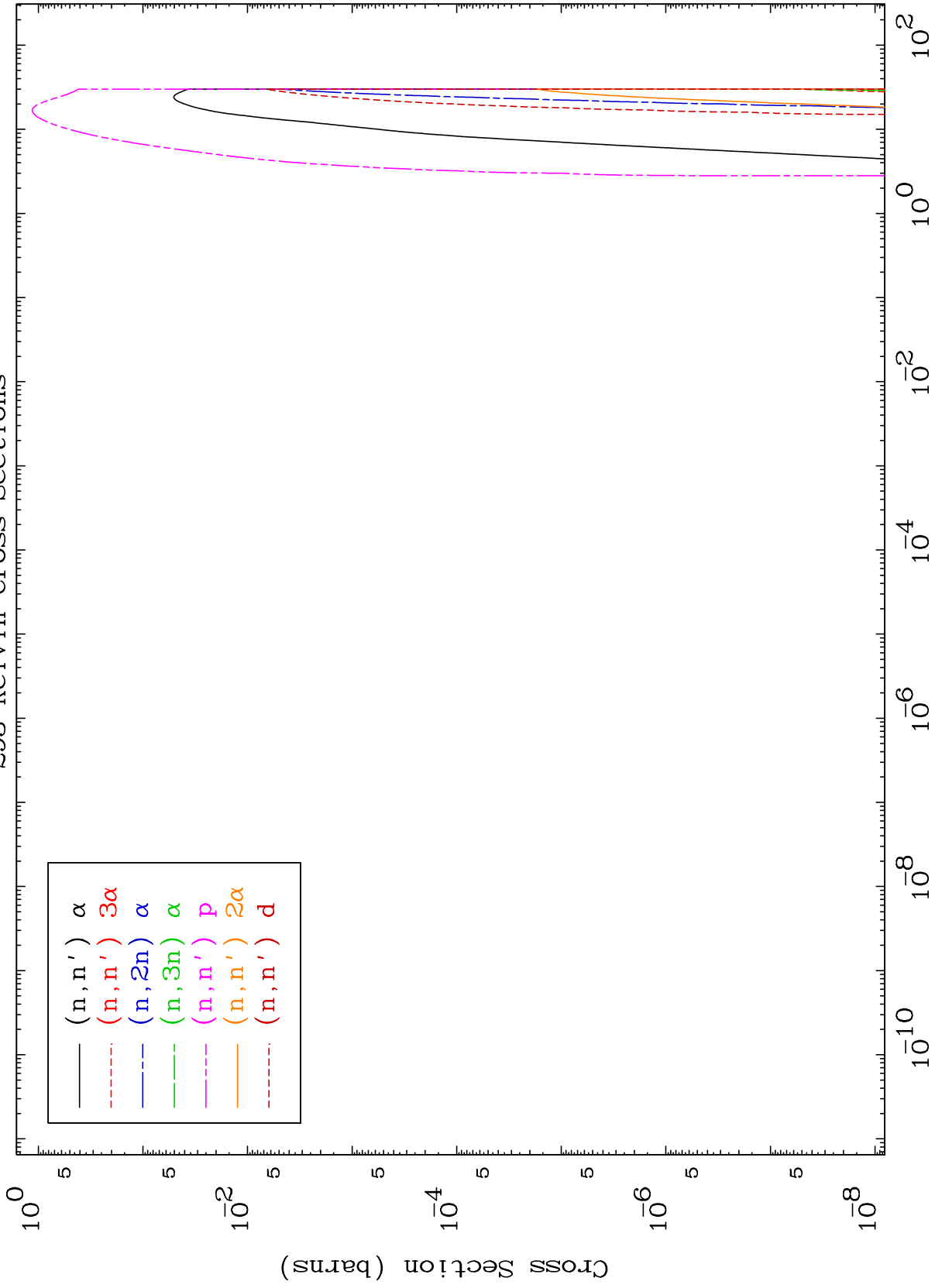
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MAT 6477

293 Kelvin Cross Sections

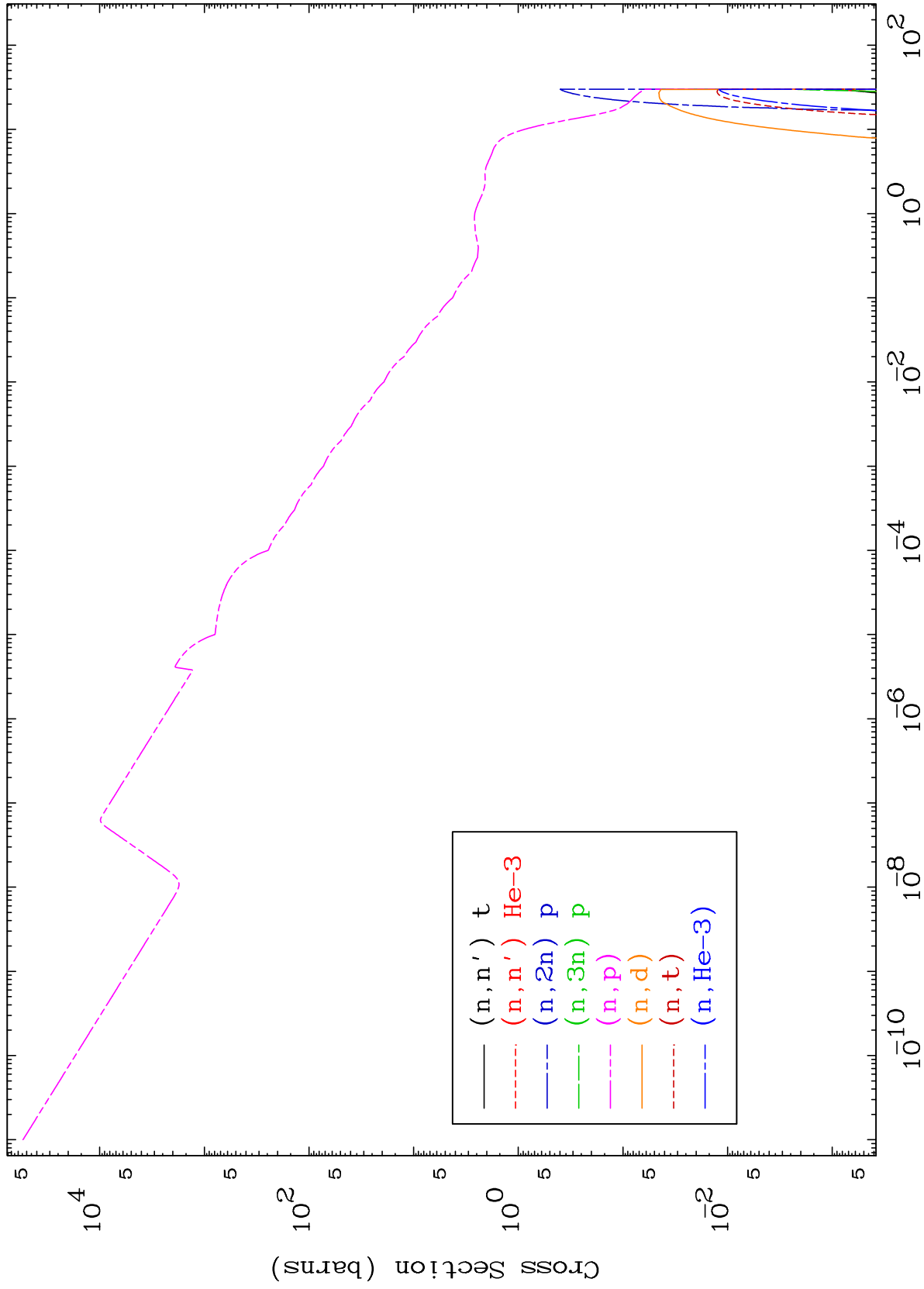
65-Tb-143



MAT 6477

293 Kelvin Cross Sections

65-Tb-143



5

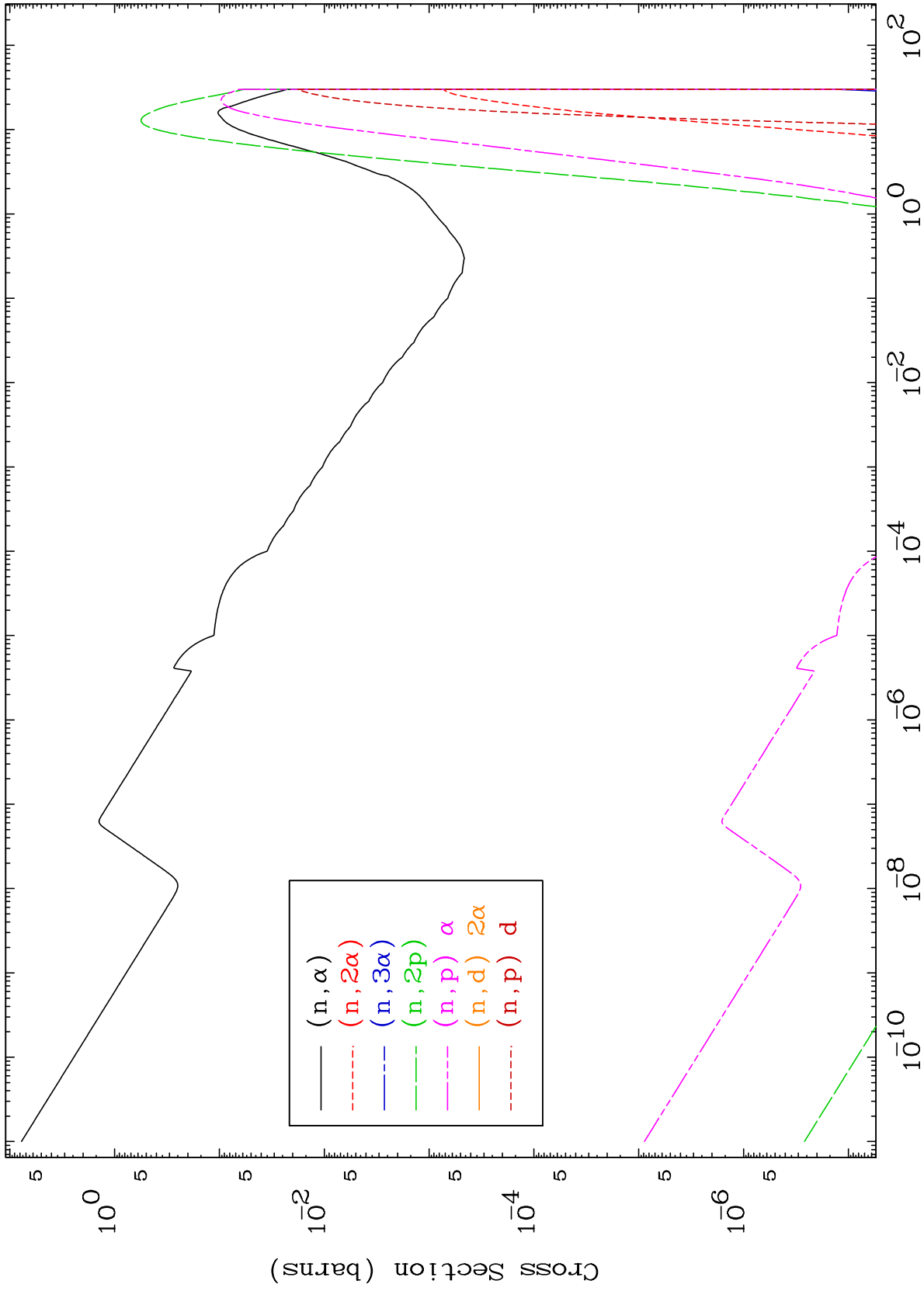
Incident Energy (MeV)

65-Tb-143

MAT 6477

Charged Particle  
293 Kelvin Cross Sections

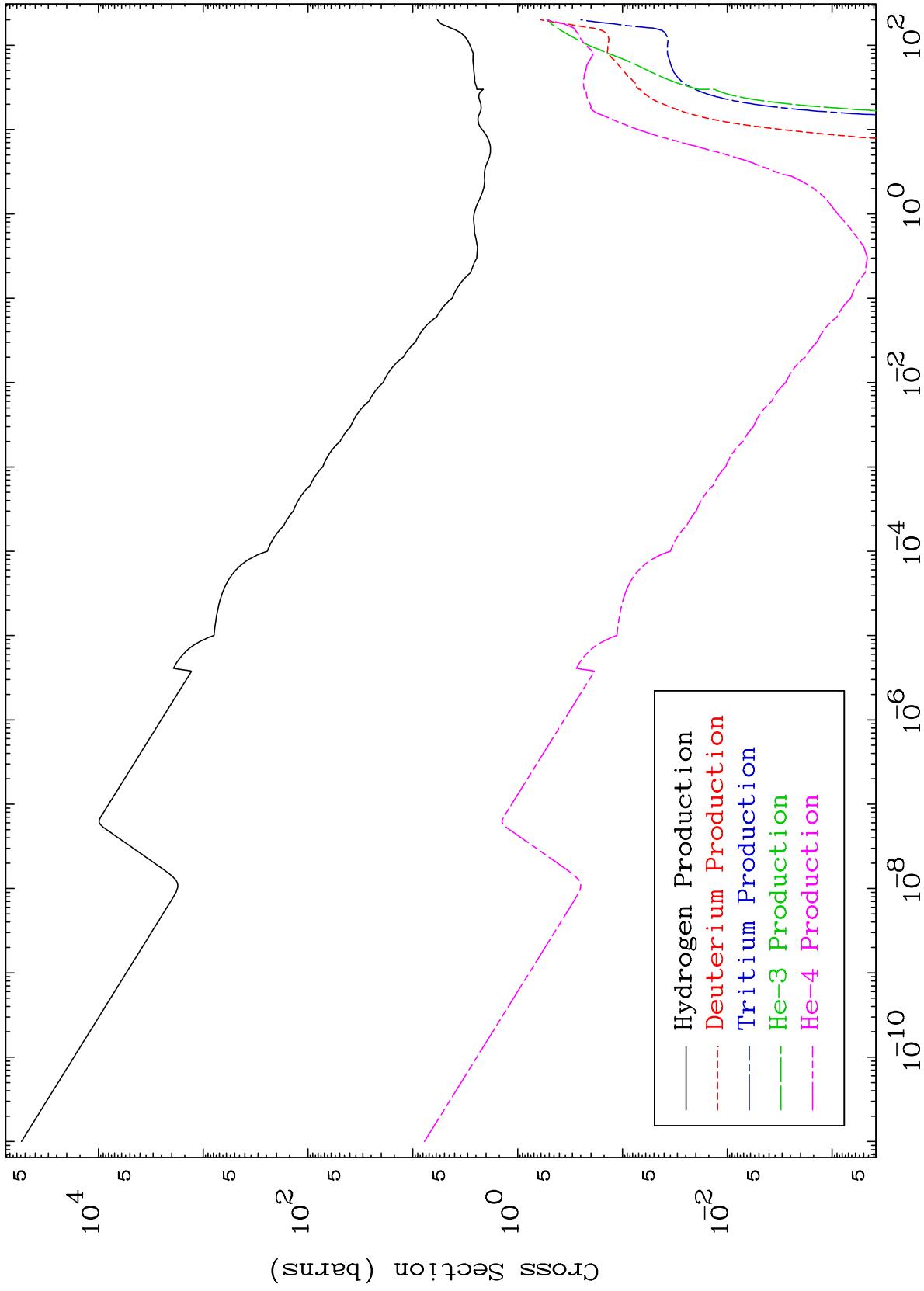
65-Tb-143



MAT 6477

Particle Production  
293 Kelvin Cross Sections

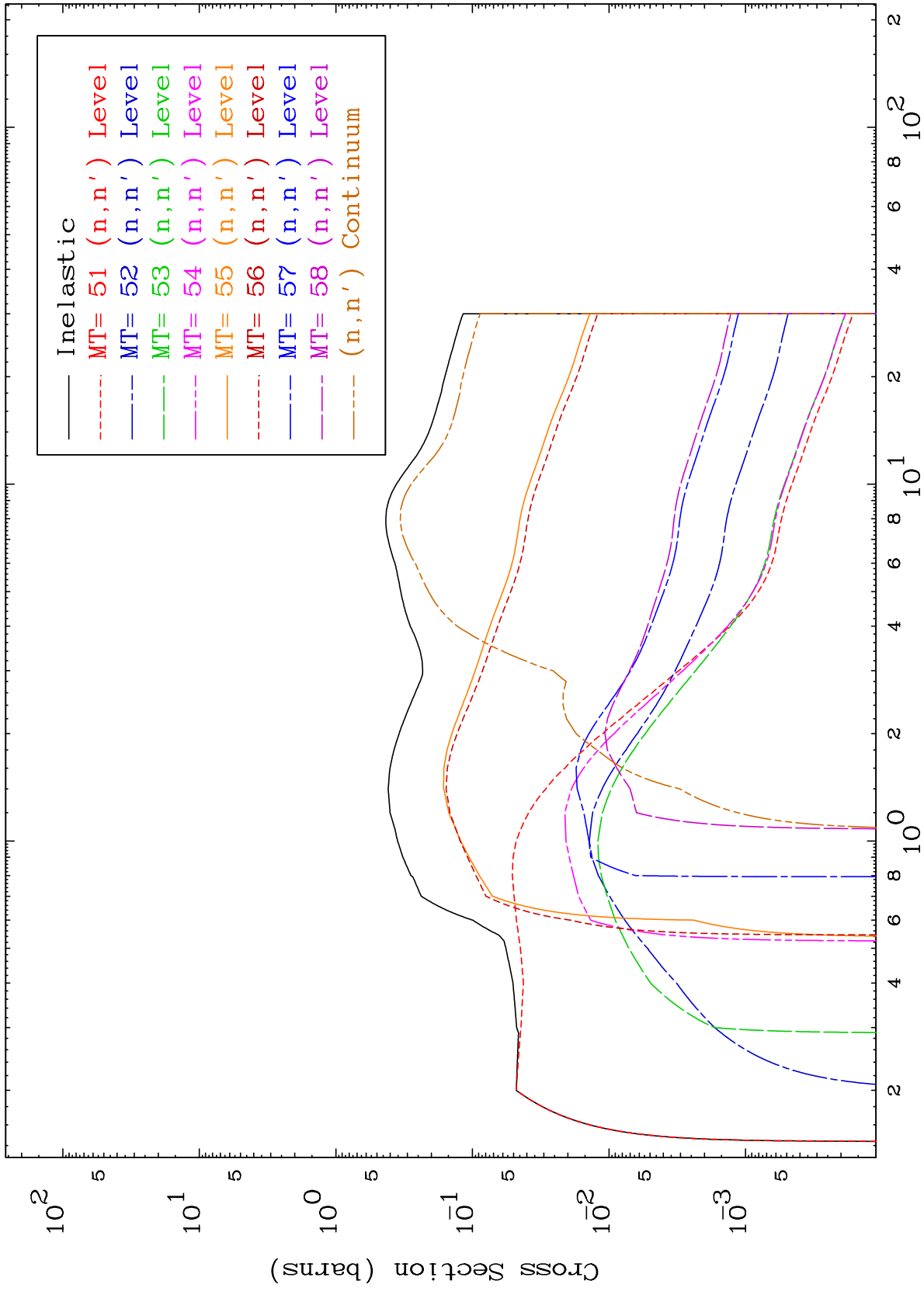
65-Tb-143



MAT 6477

(n,n') Level  
293 Kelvin Cross Sections

65-Tb-143



8

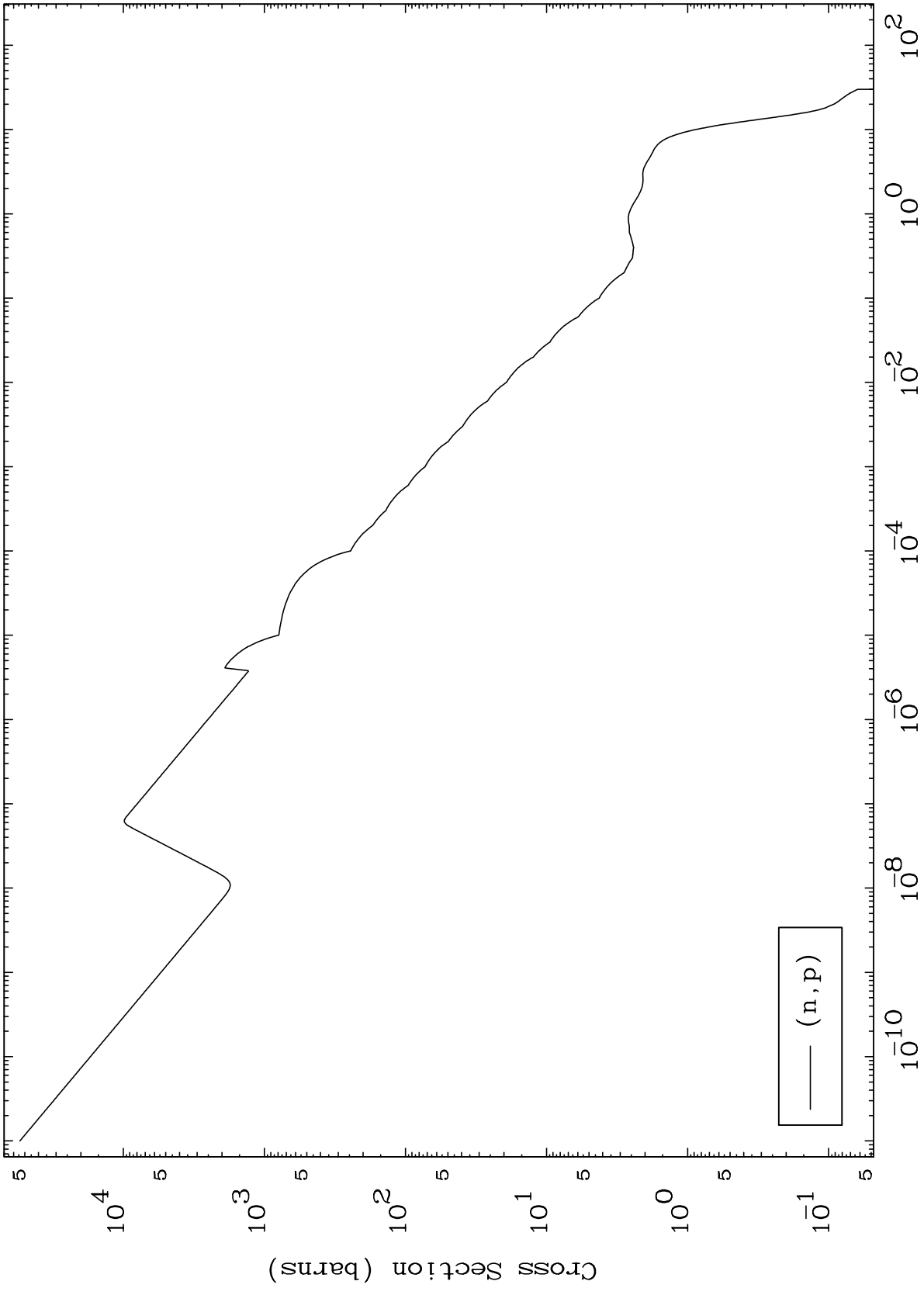
Incident Energy (MeV)

65-Tb-143

MAT 6477

(n,p) Levels  
293 Kelvin Cross Sections

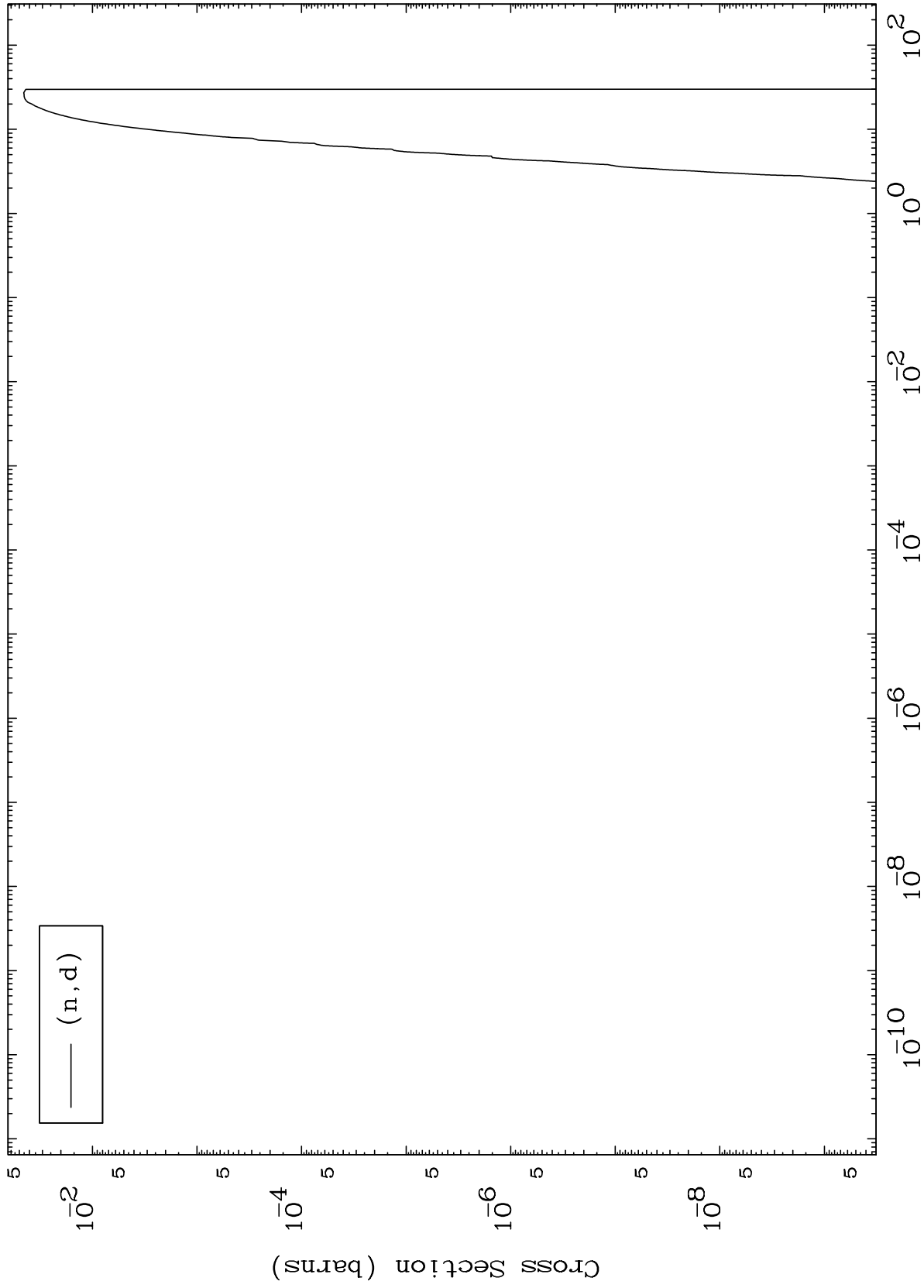
65-Tb-143



MAT 6477

(n,d) Levels  
293 Kelvin Cross Sections

65-Tb-143



10

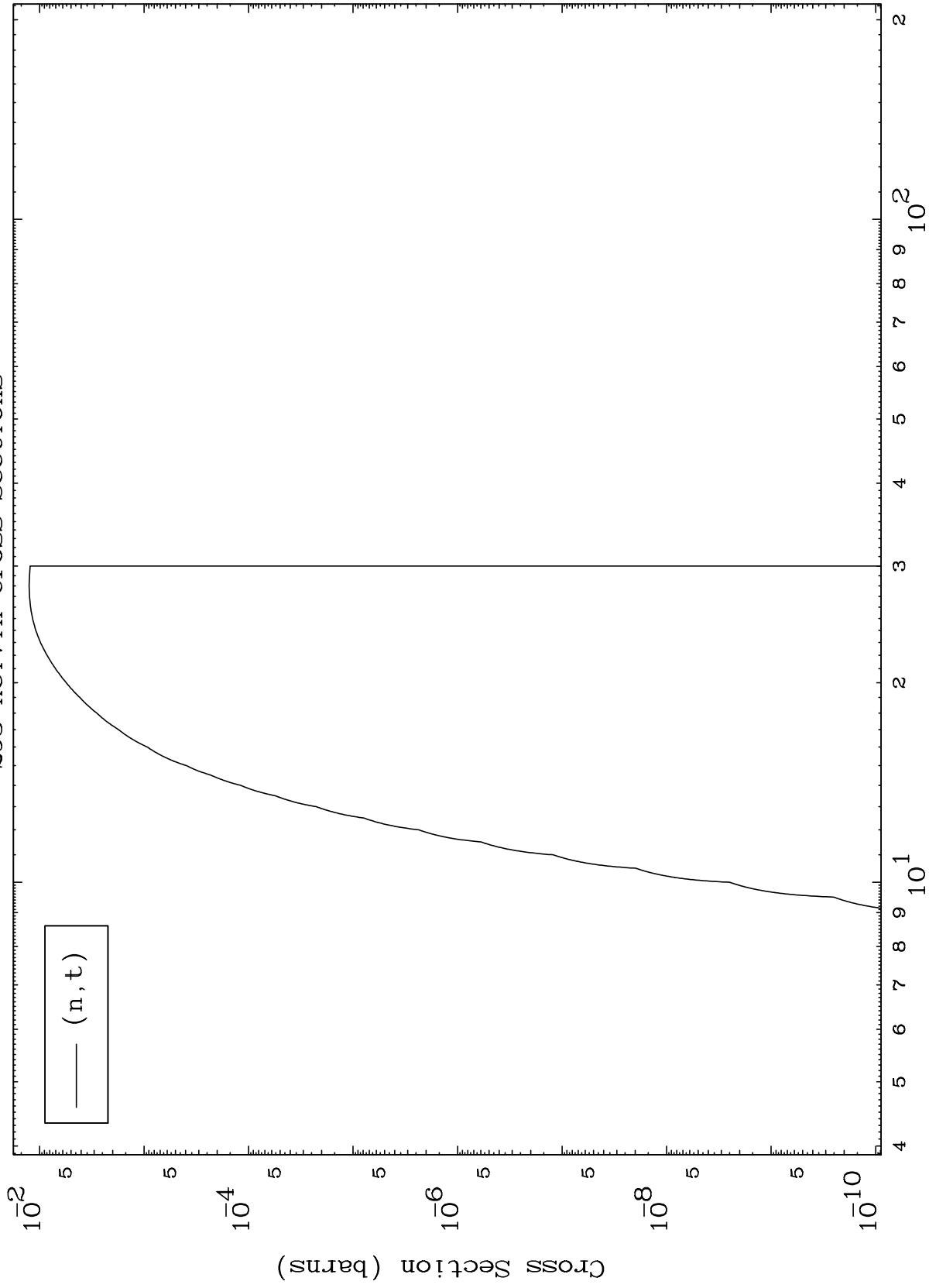
Incident Energy (MeV)

65-Tb-143

MAT 6477

(n,t) Levels  
293 Kelvin Cross Sections

65-Tb-143



11

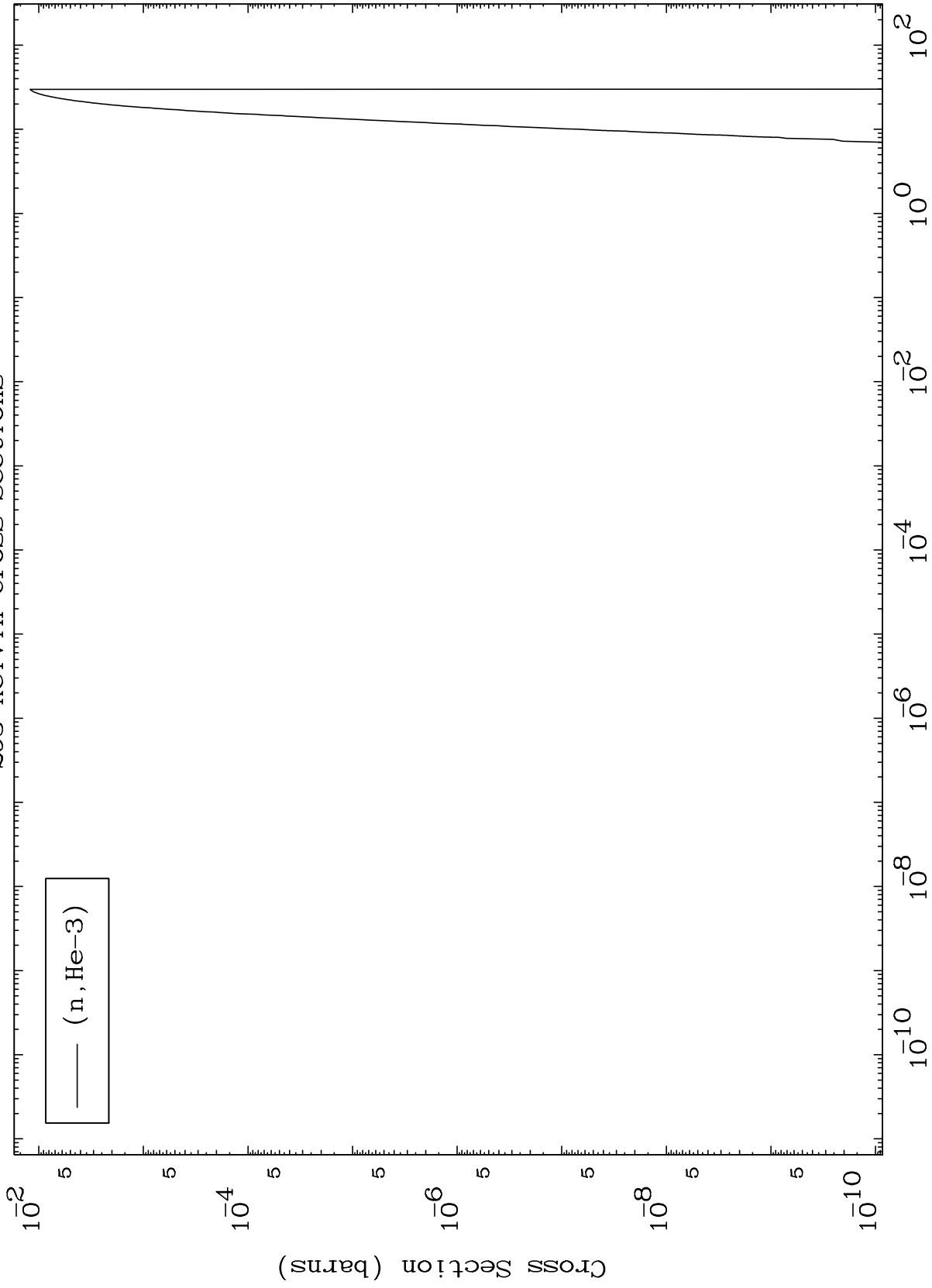
Incident Energy (MeV)

65-Tb-143

MAT 6477

(n,He3) Levels  
293 Kelvin Cross Sections

65-Tb-143



12

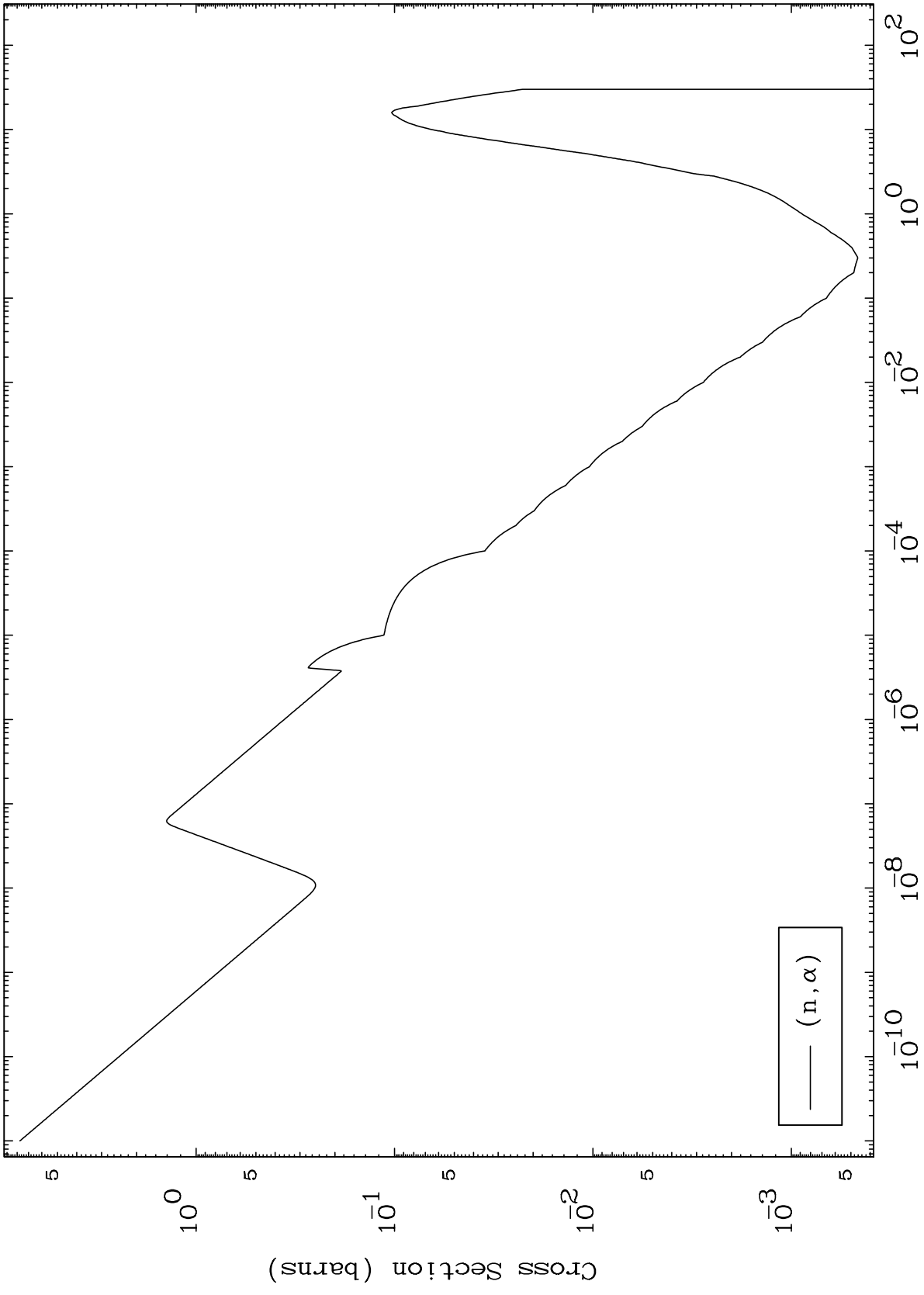
Incident Energy (MeV)

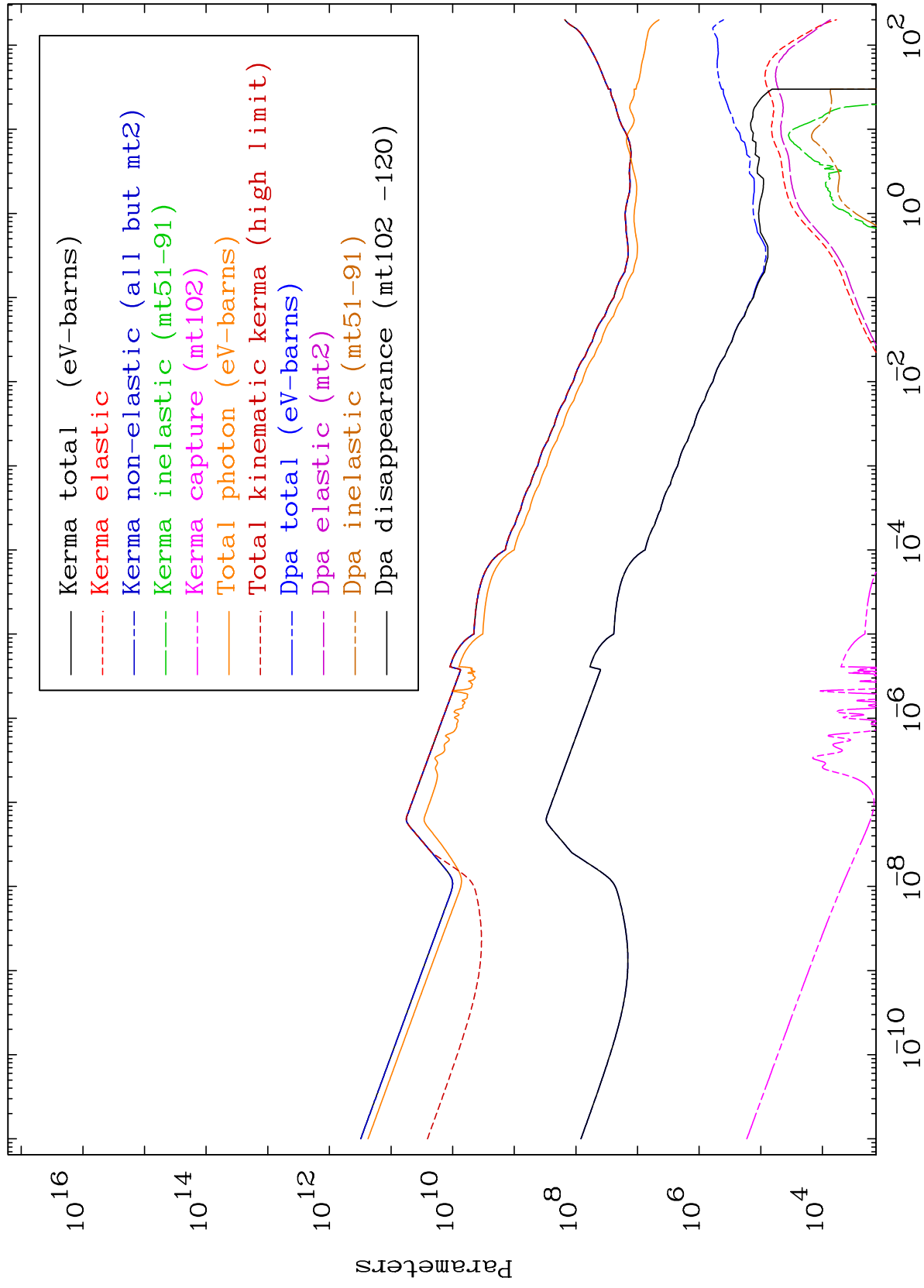
65-Tb-143

MAT 6477

(n,α) Levels  
293 Kelvin Cross Sections

65-Tb-143

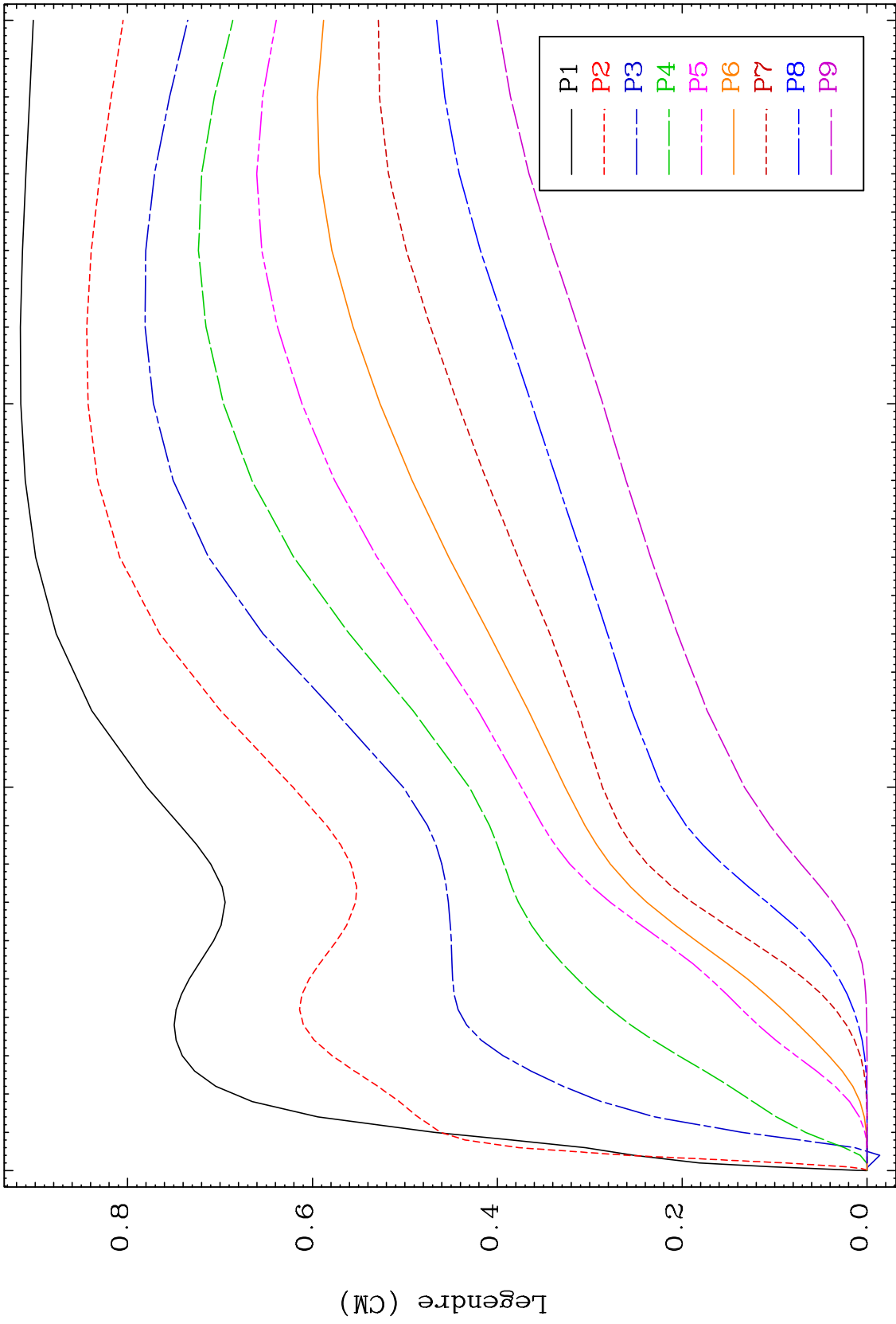




MAT 6477

Elastic Legendre Coefficients

65-Tb-143



15

0

10

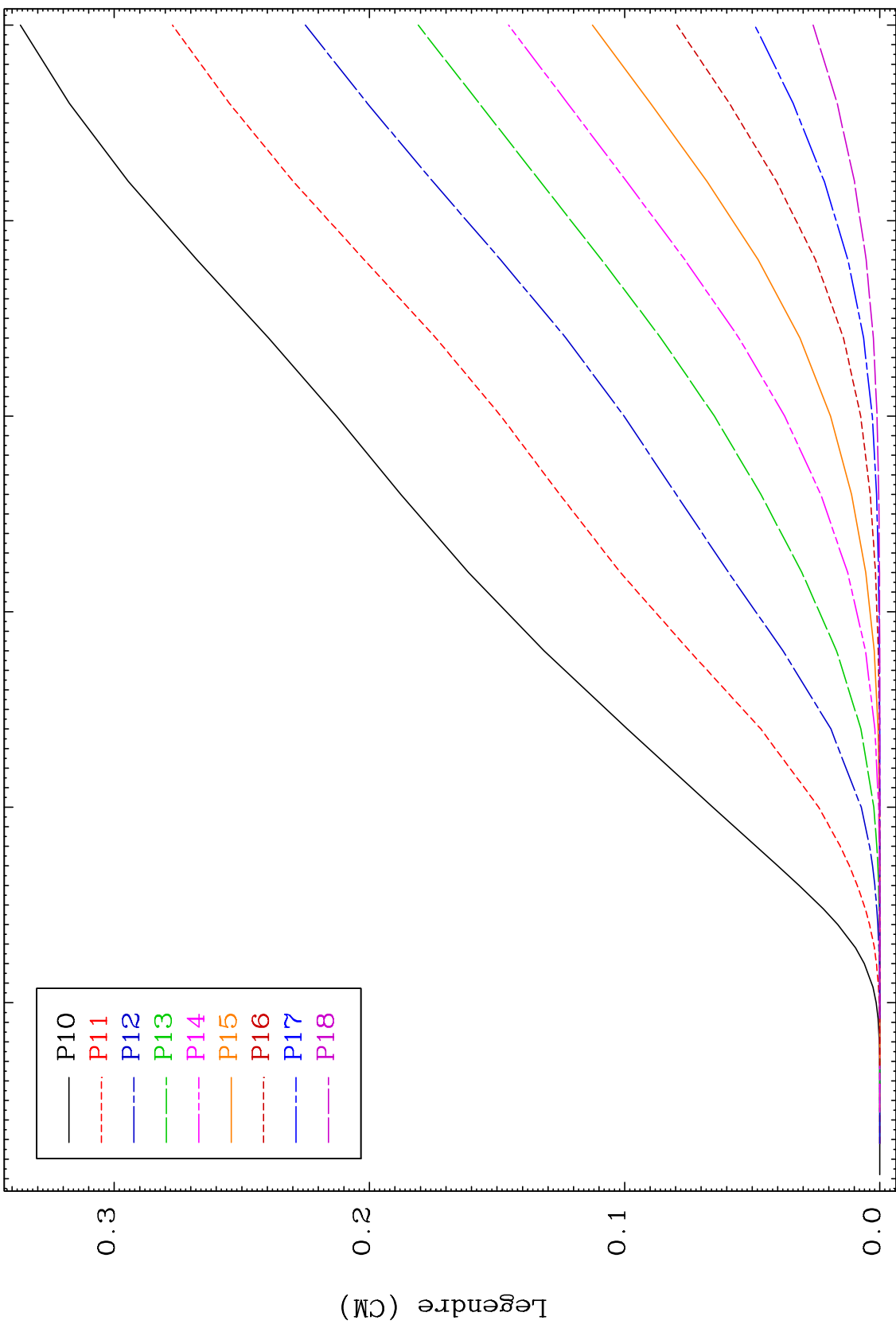
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MAT 6477

Elastic Legendre Coefficients

65-Tb-143



16

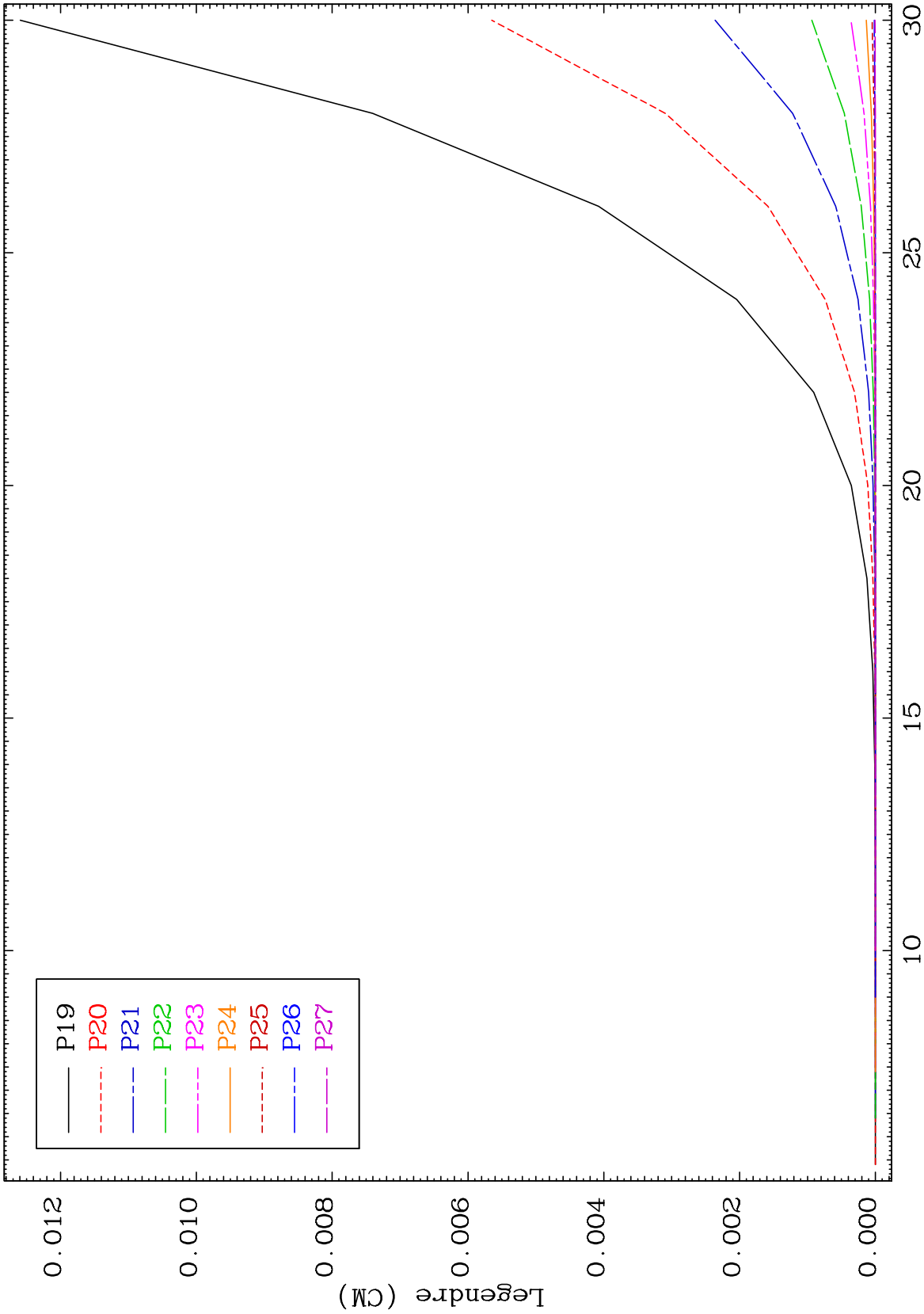
Incident Energy (MeV)

65-Tb-143

MAT 6477

### Elastic Legendre Coefficients

65-Tb-143



17

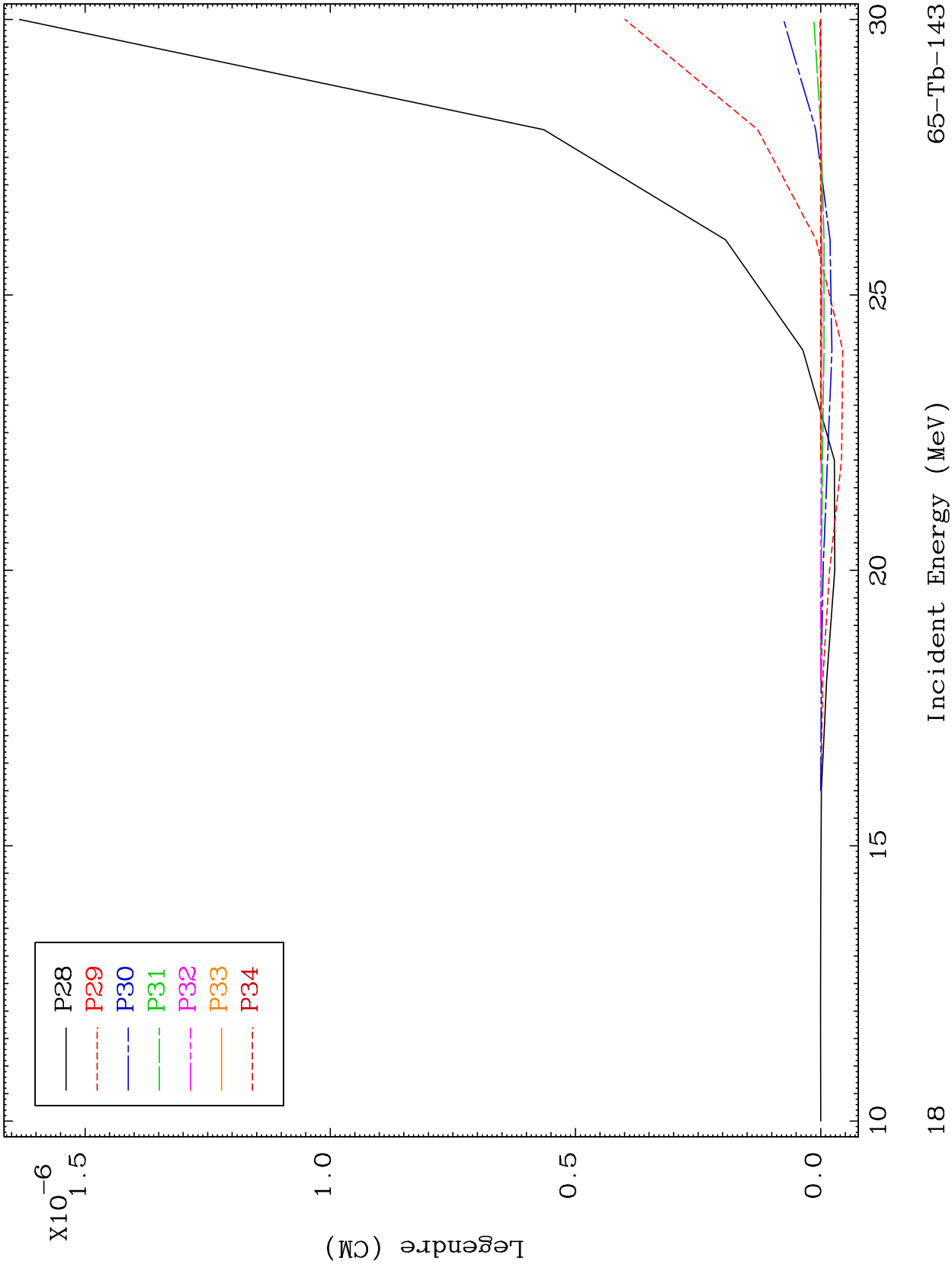
Incident Energy (MeV)

65-Tb-143

MAT 6477

### Elastic Legendre Coefficients

65-Tb-143



18

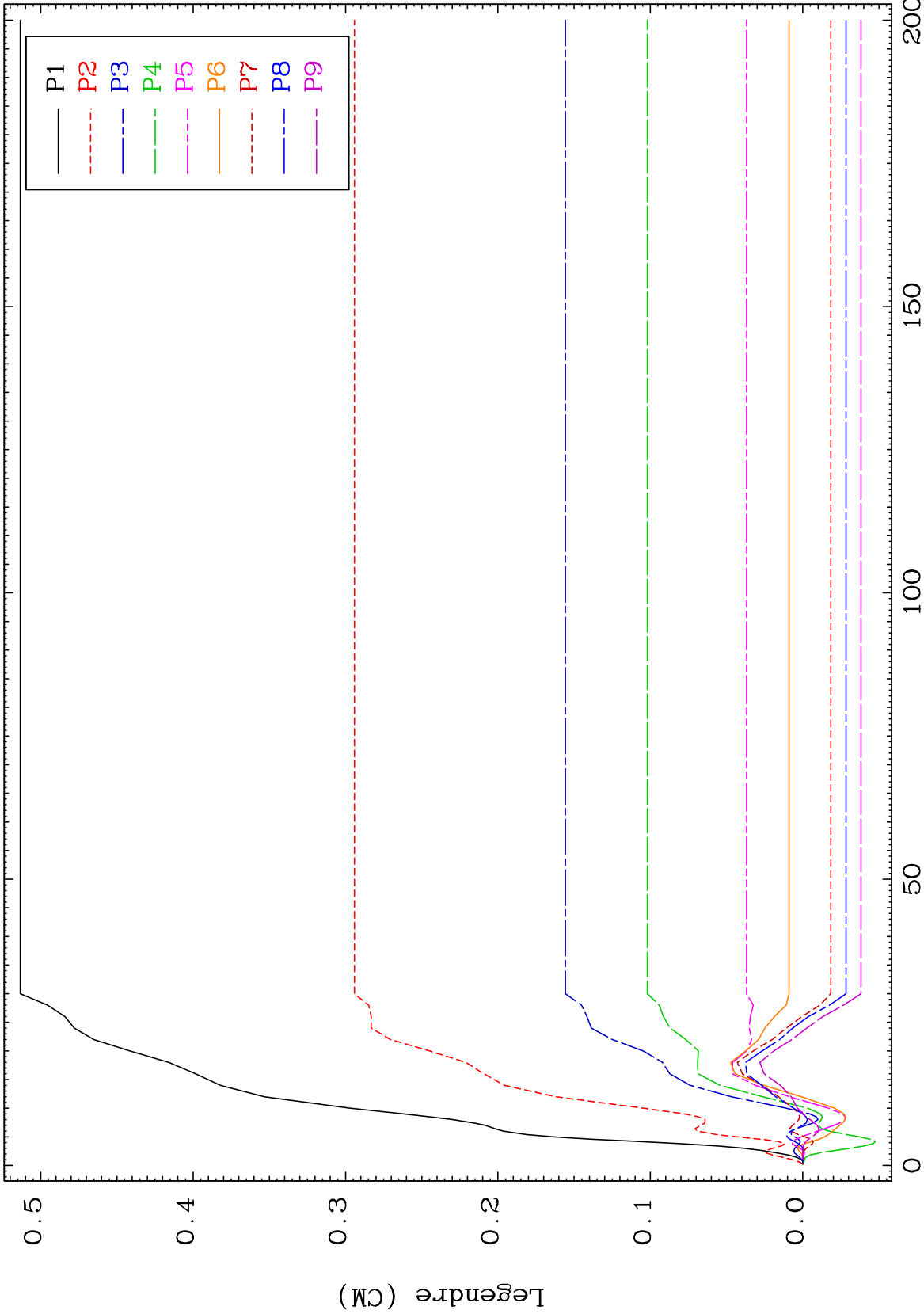
Incident Energy (MeV)

65-Tb-143

MAT 6477

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

65-Tb-143



19

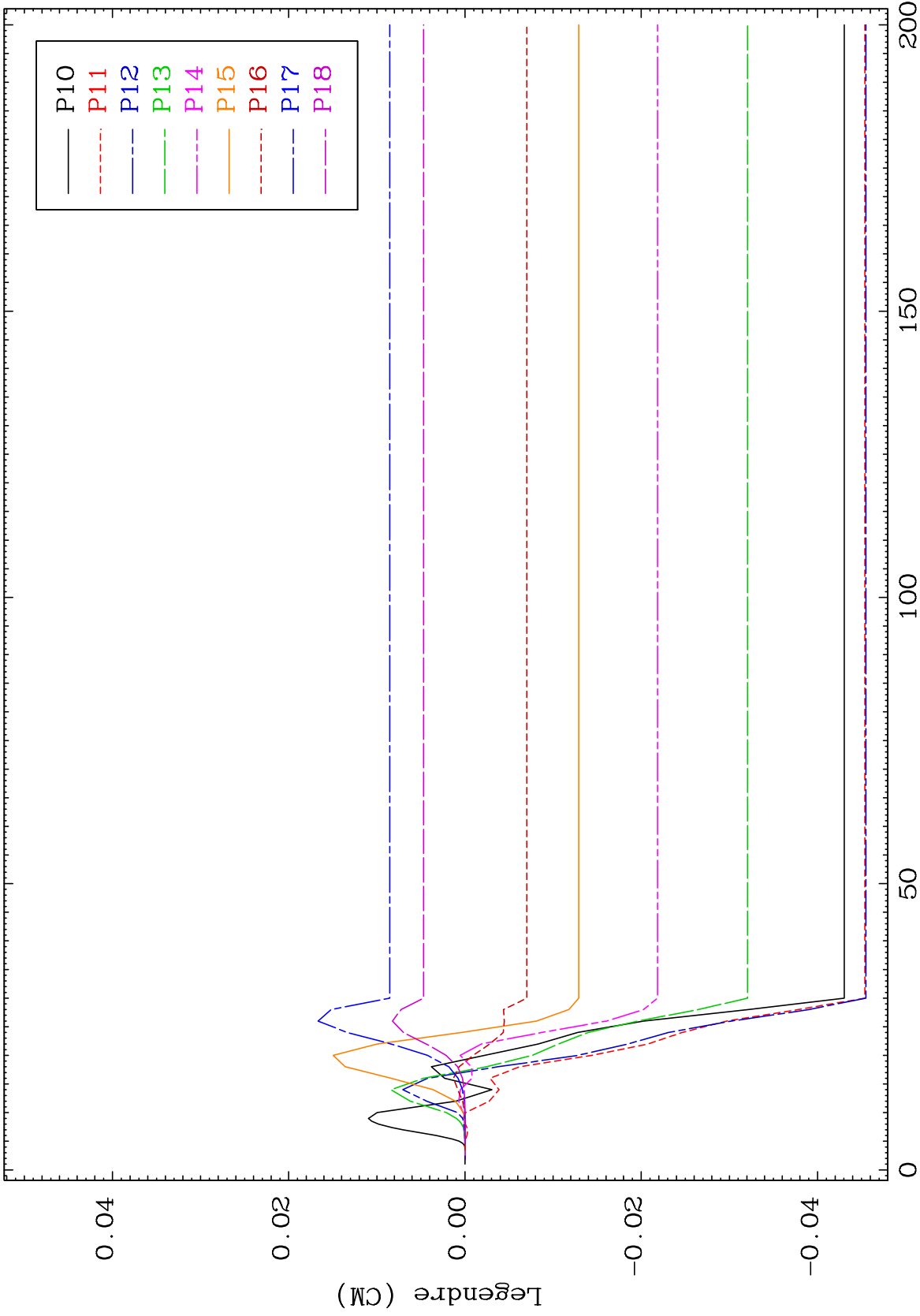
Incident Energy (MeV)

65-Tb-143

MAT 6477

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

65-Tb-143



0

50

100

150

200

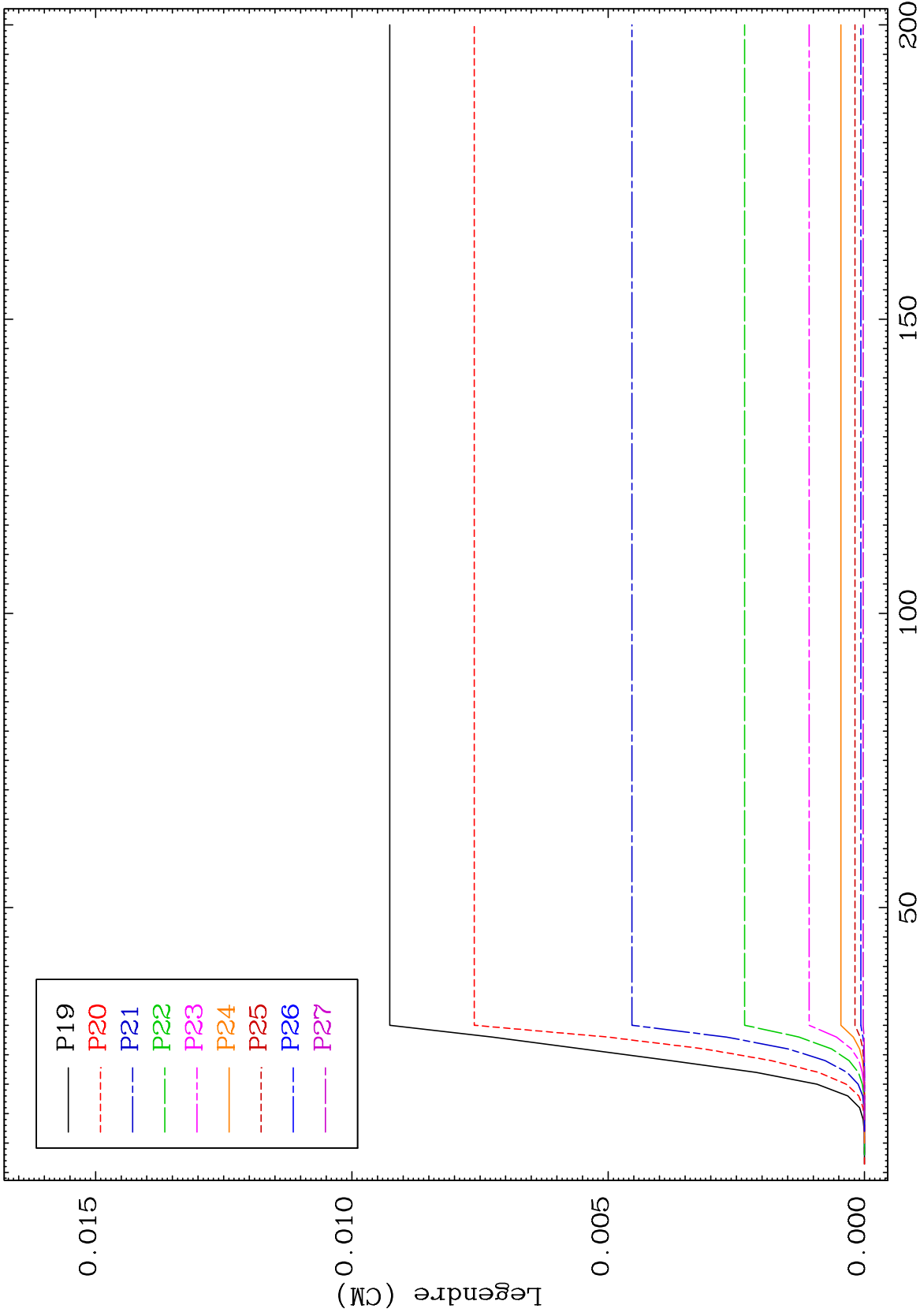
Incident Energy (MeV)

65-Tb-143

MAT 6477

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

65-Tb-143



21

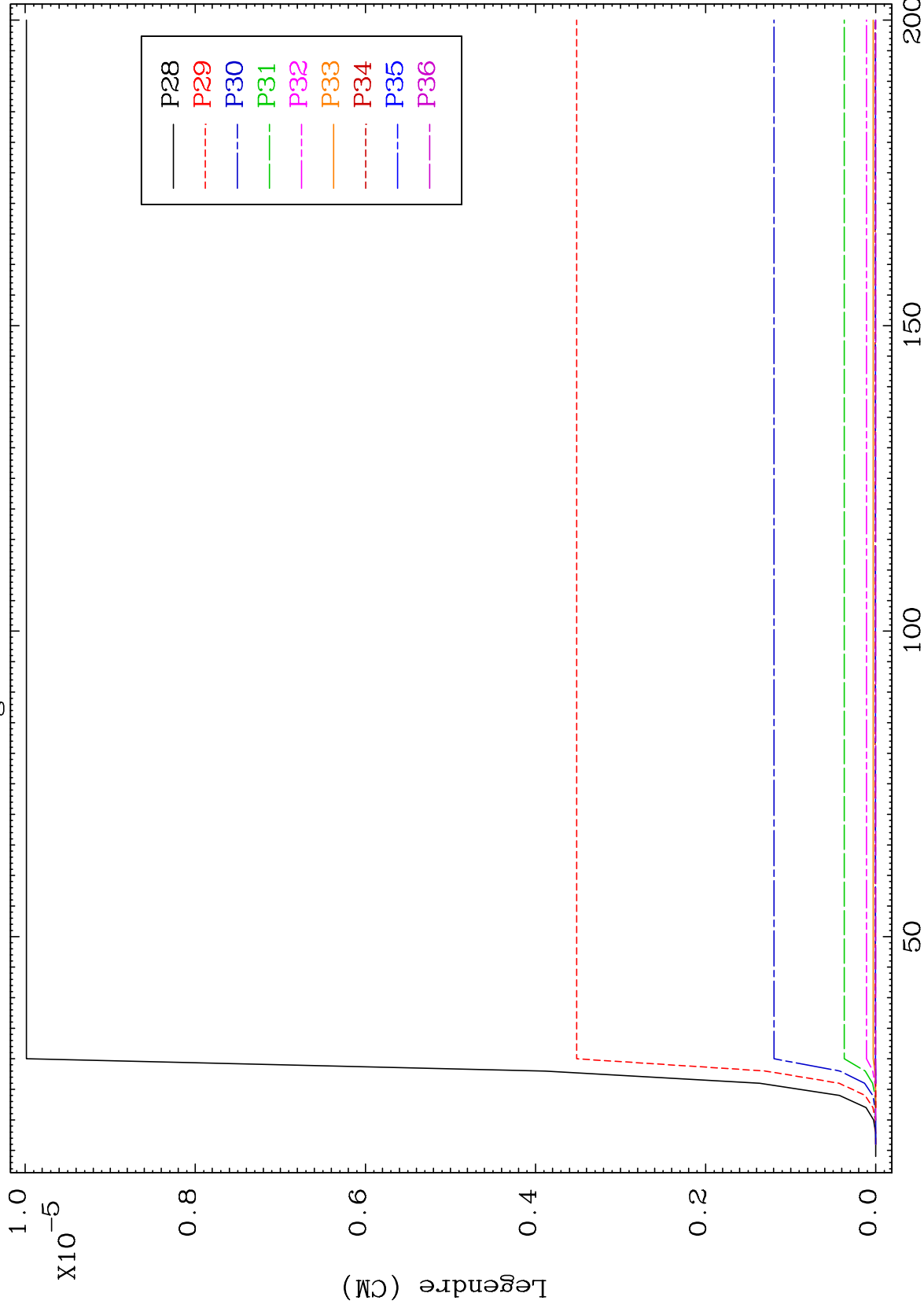
Incident Energy (MeV)

65-Tb-143

MAT 6477

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

65-Tb-143



22

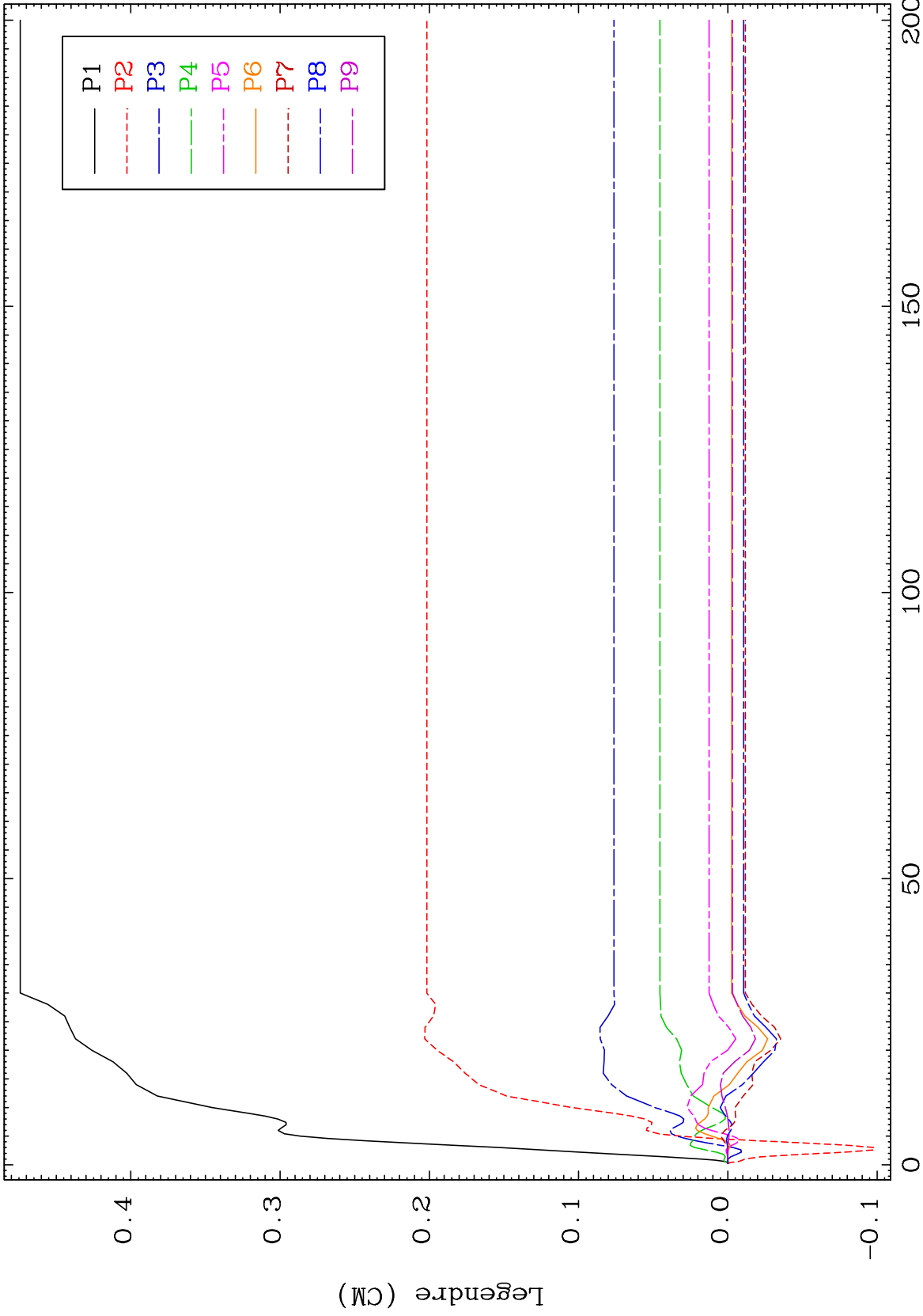
Incident Energy (MeV)

65-Tb-143

MAT 6477

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

65-Tb-143



23

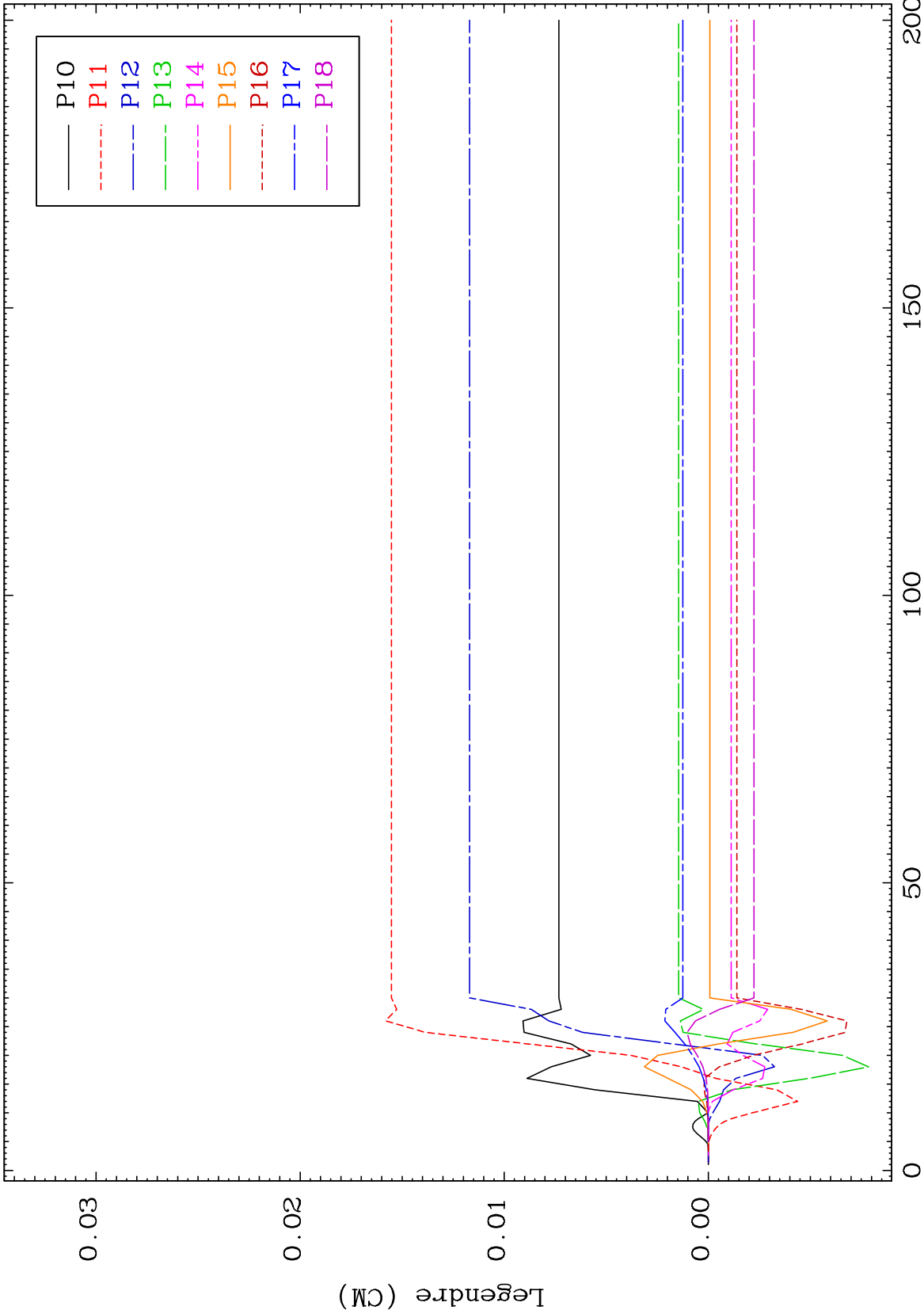
Incident Energy (MeV)

65-Tb-143

MAT 6477

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

65-Tb-143



24

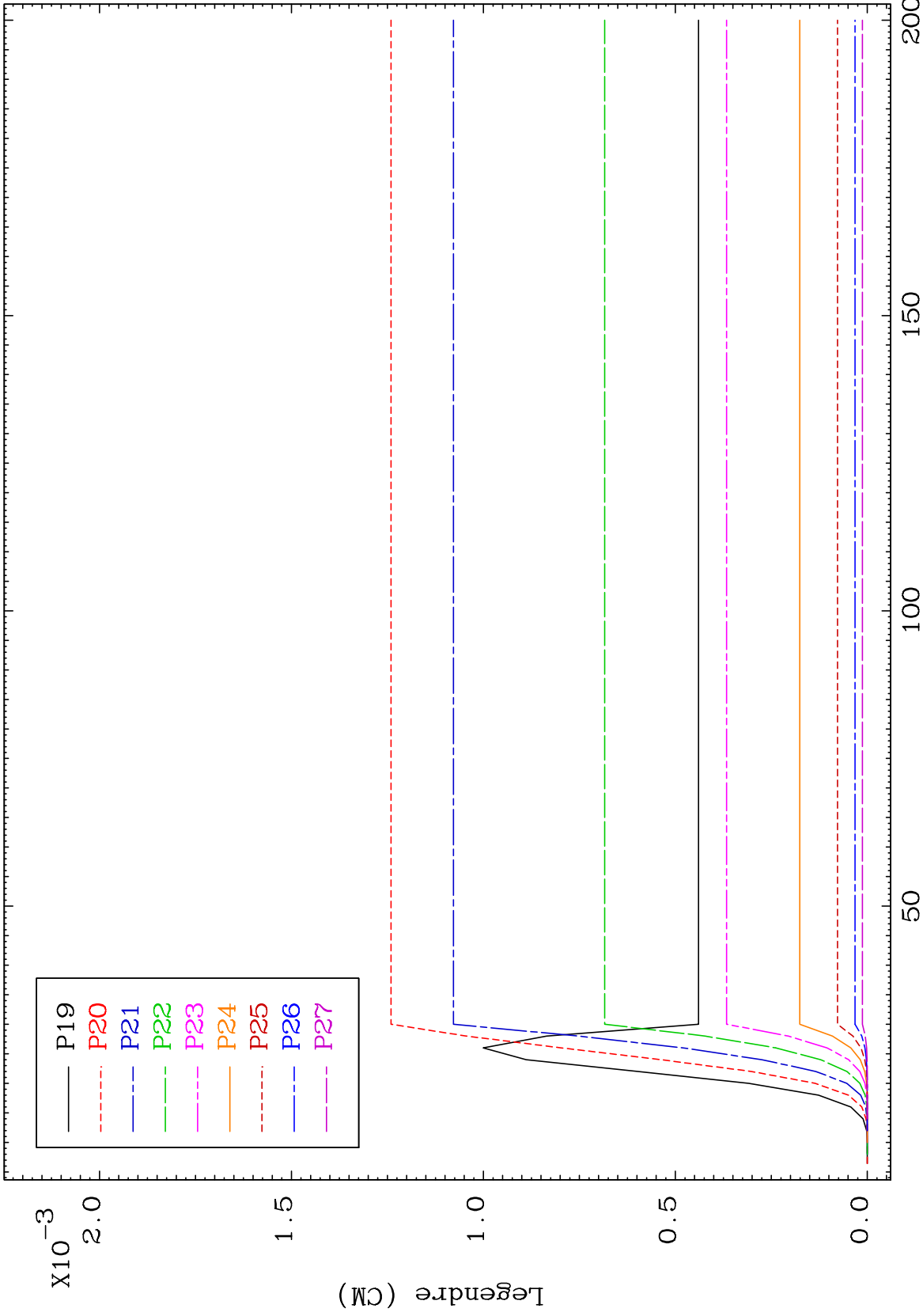
Incident Energy (MeV)

65-Tb-143

MAT 6477

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

65-Tb-143



25

Incident Energy (MeV)

50

100

150

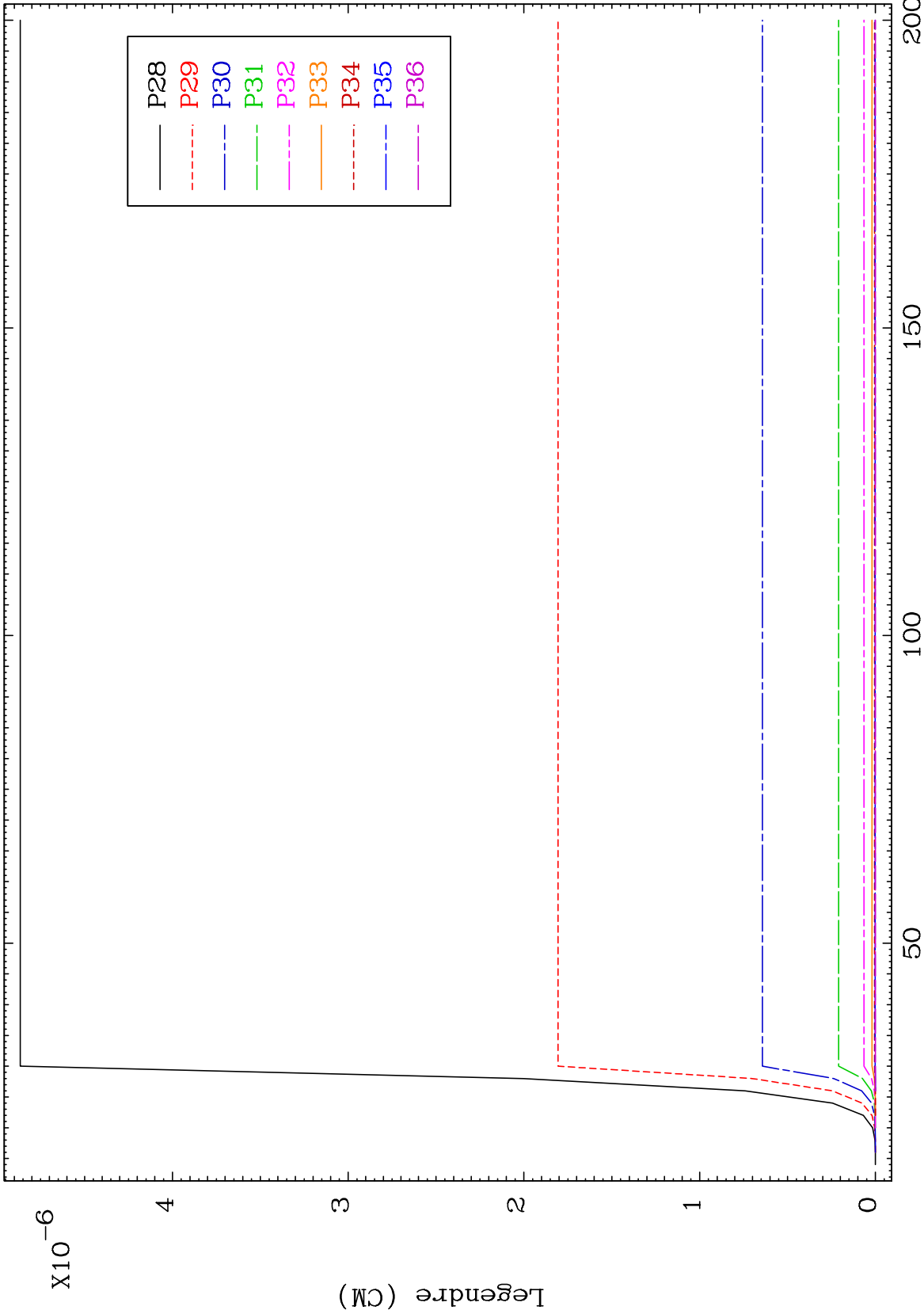
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65-Tb-143

MAT 6477

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

65-Tb-143



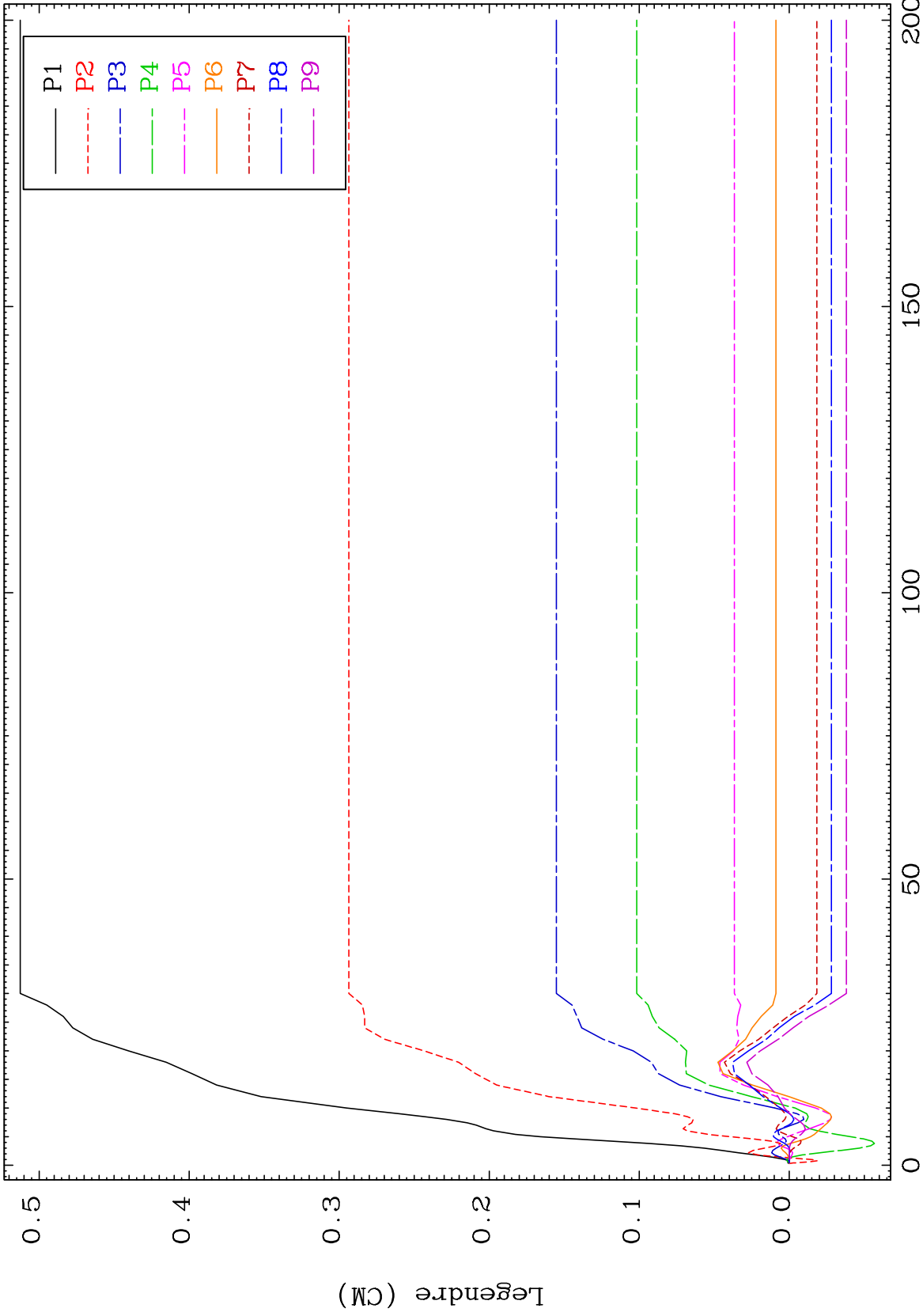
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65-Tb-143

MAT 6477

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

65-Tb-143



27

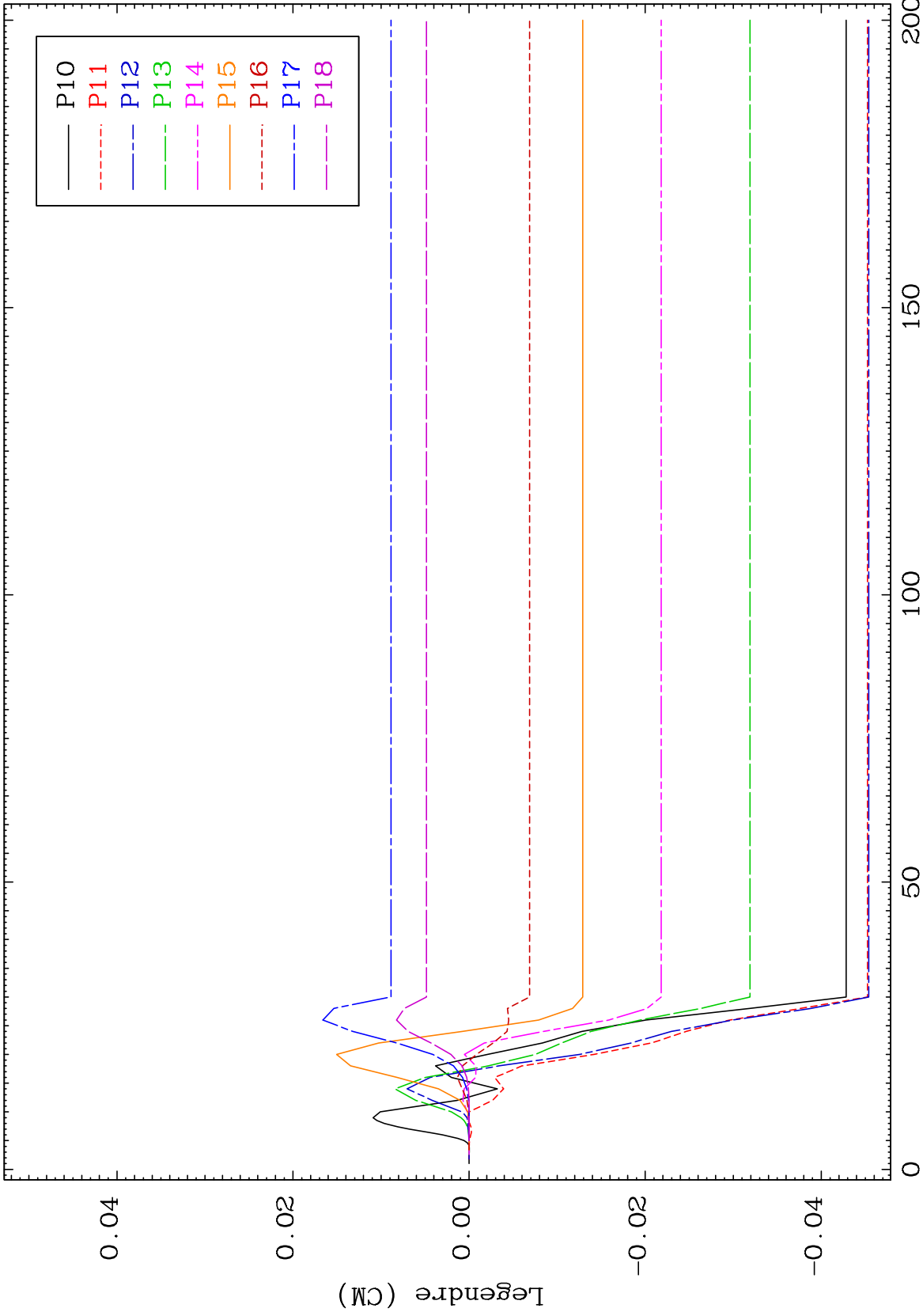
Incident Energy (MeV)

65-Tb-143

MAT 6477

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

65-Tb-143



28

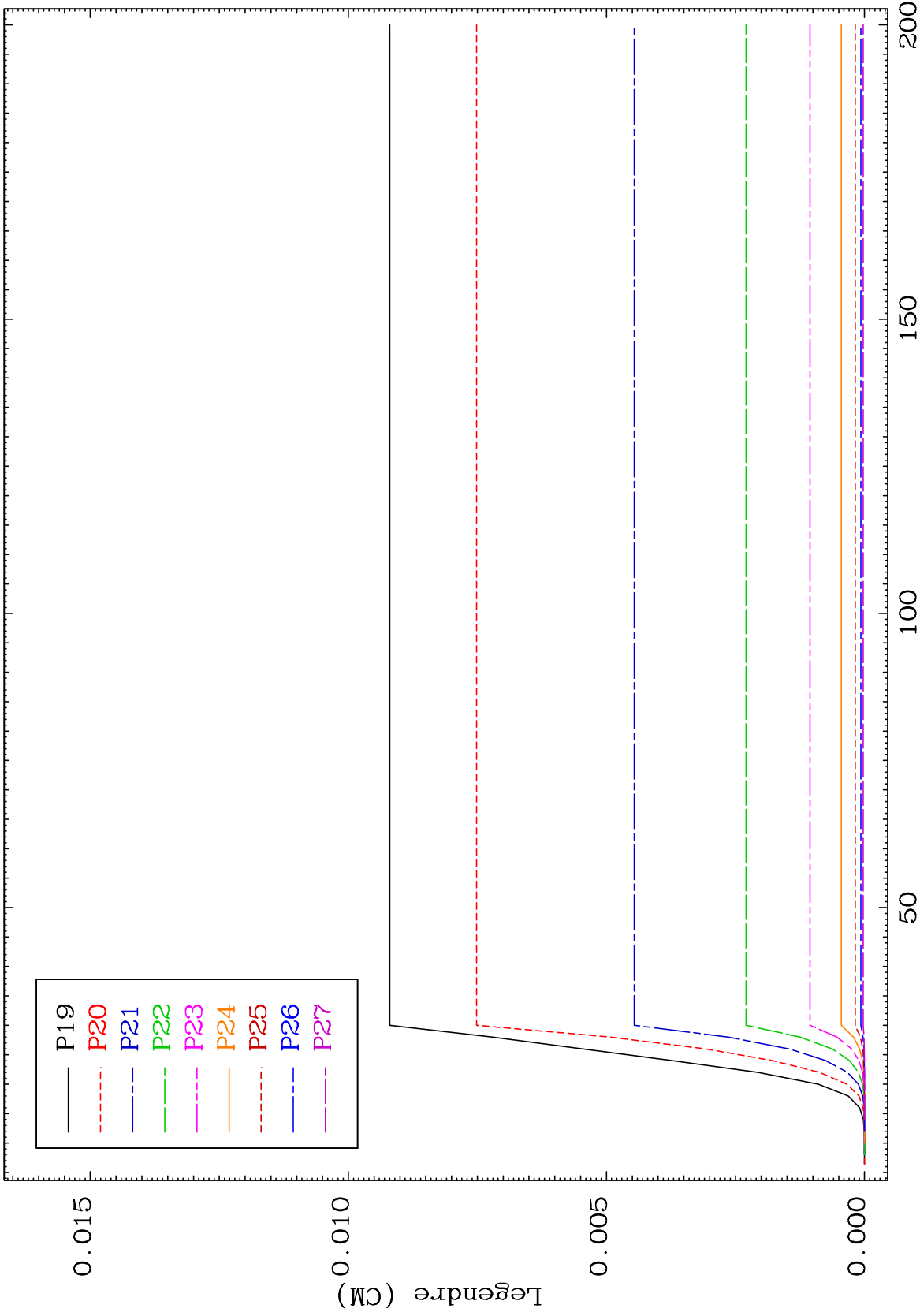
Incident Energy (MeV)

65-Tb-143

MAT 6477

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

65-Tb-143



29

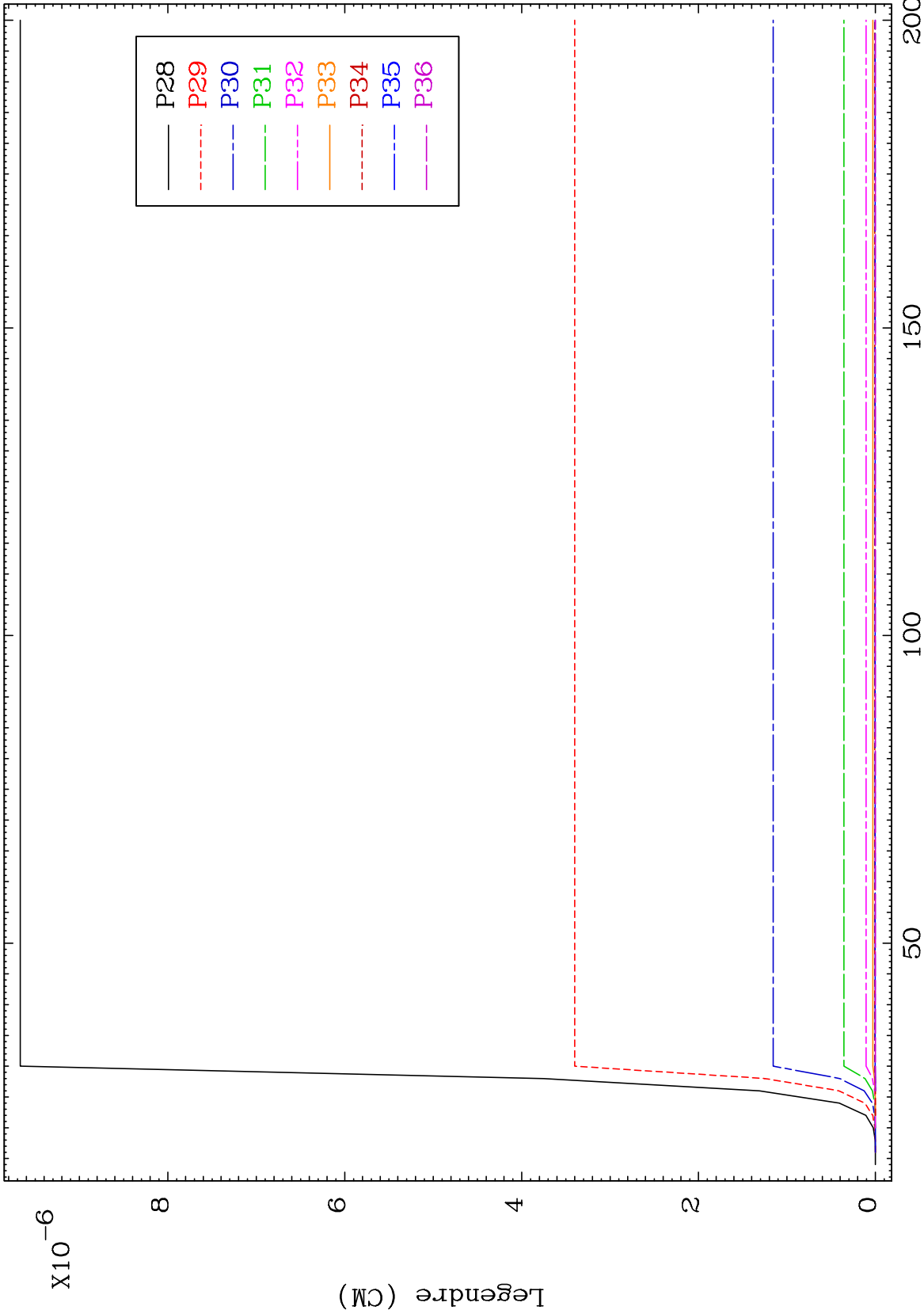
Incident Energy (MeV)

65-Tb-143

MAT 6477

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

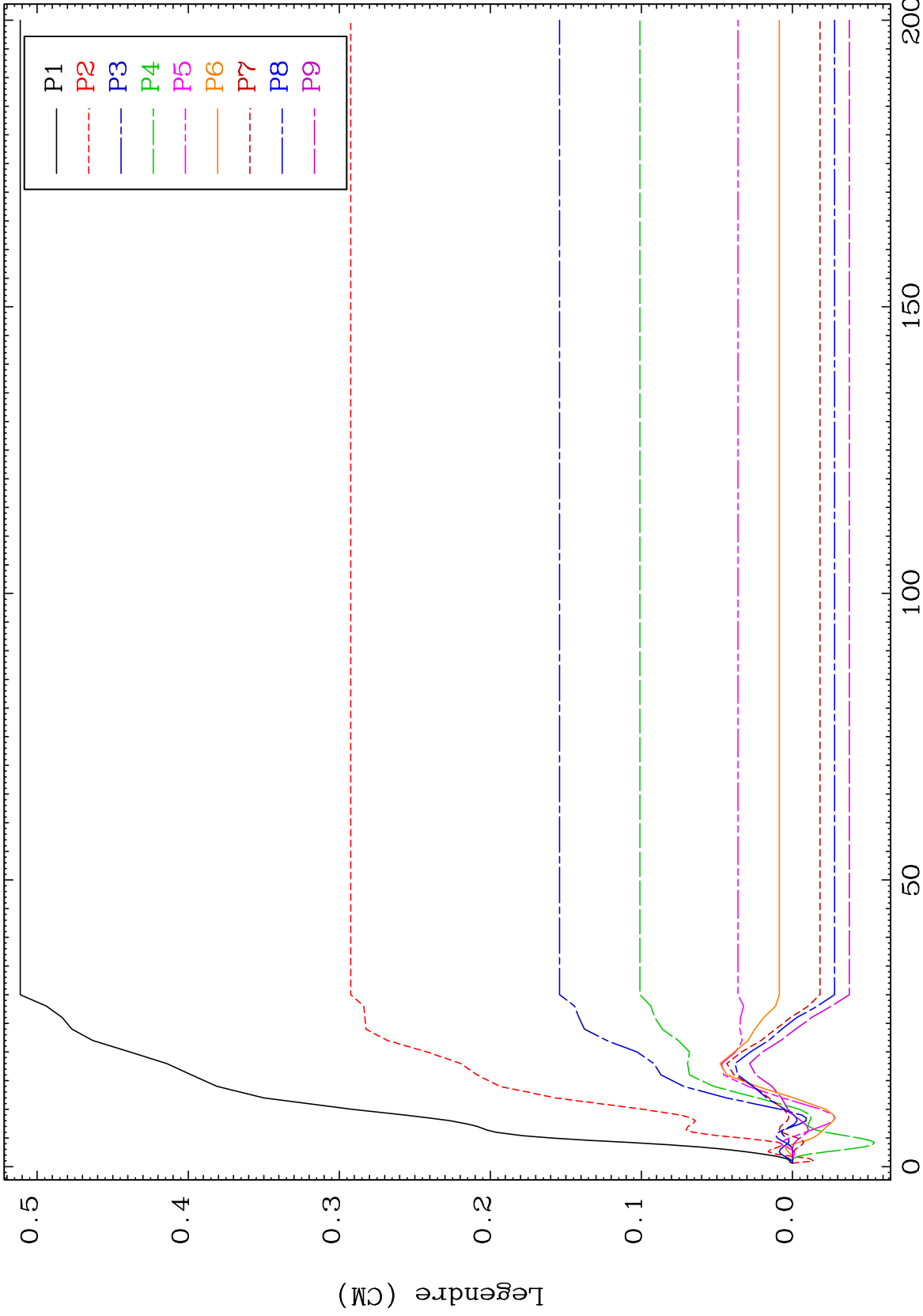
65-Tb-143



MAT 6477

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

65-Tb-143



31

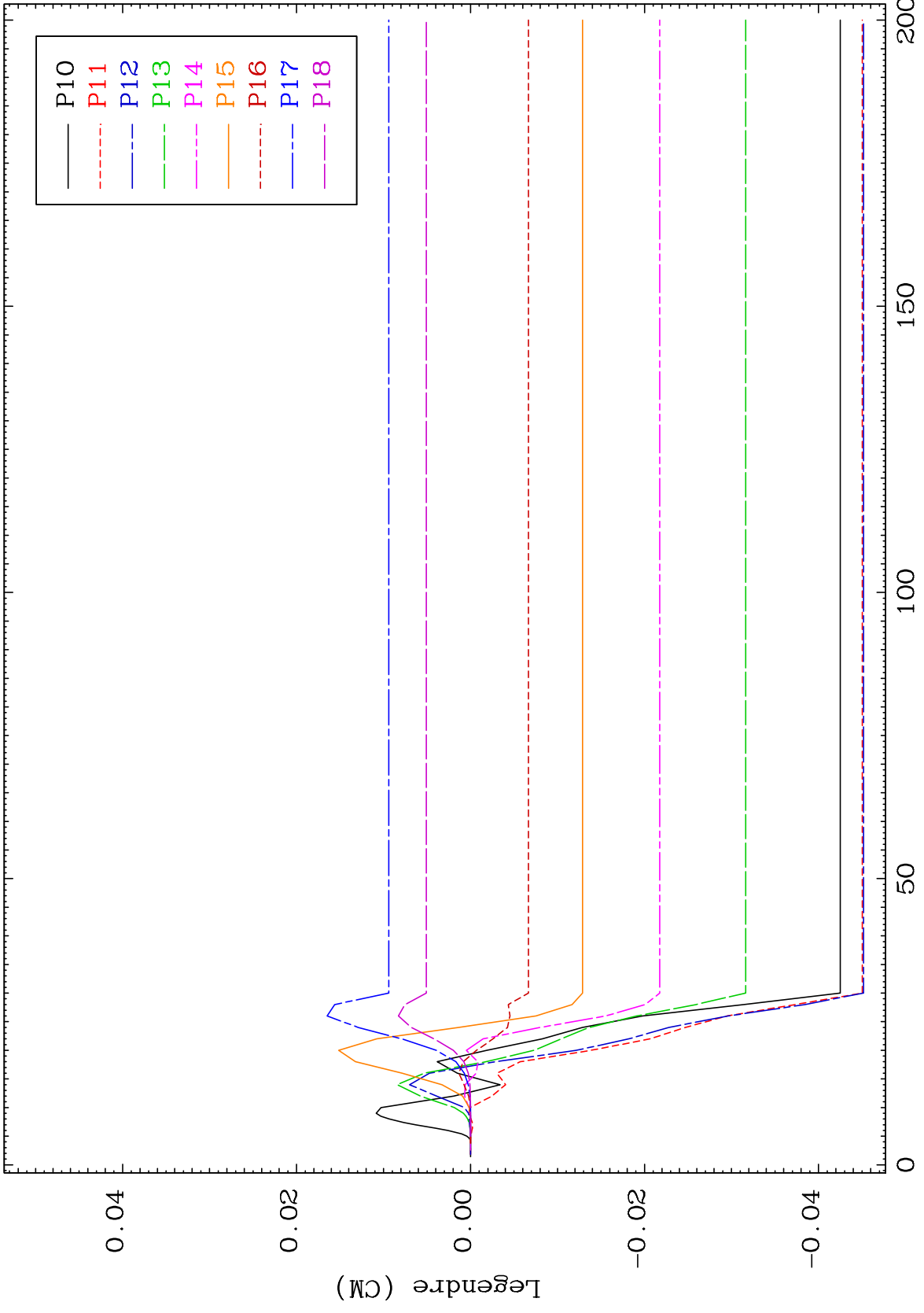
Incident Energy (MeV)

65-Tb-143

MAT 6477

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

65-Tb-143



32

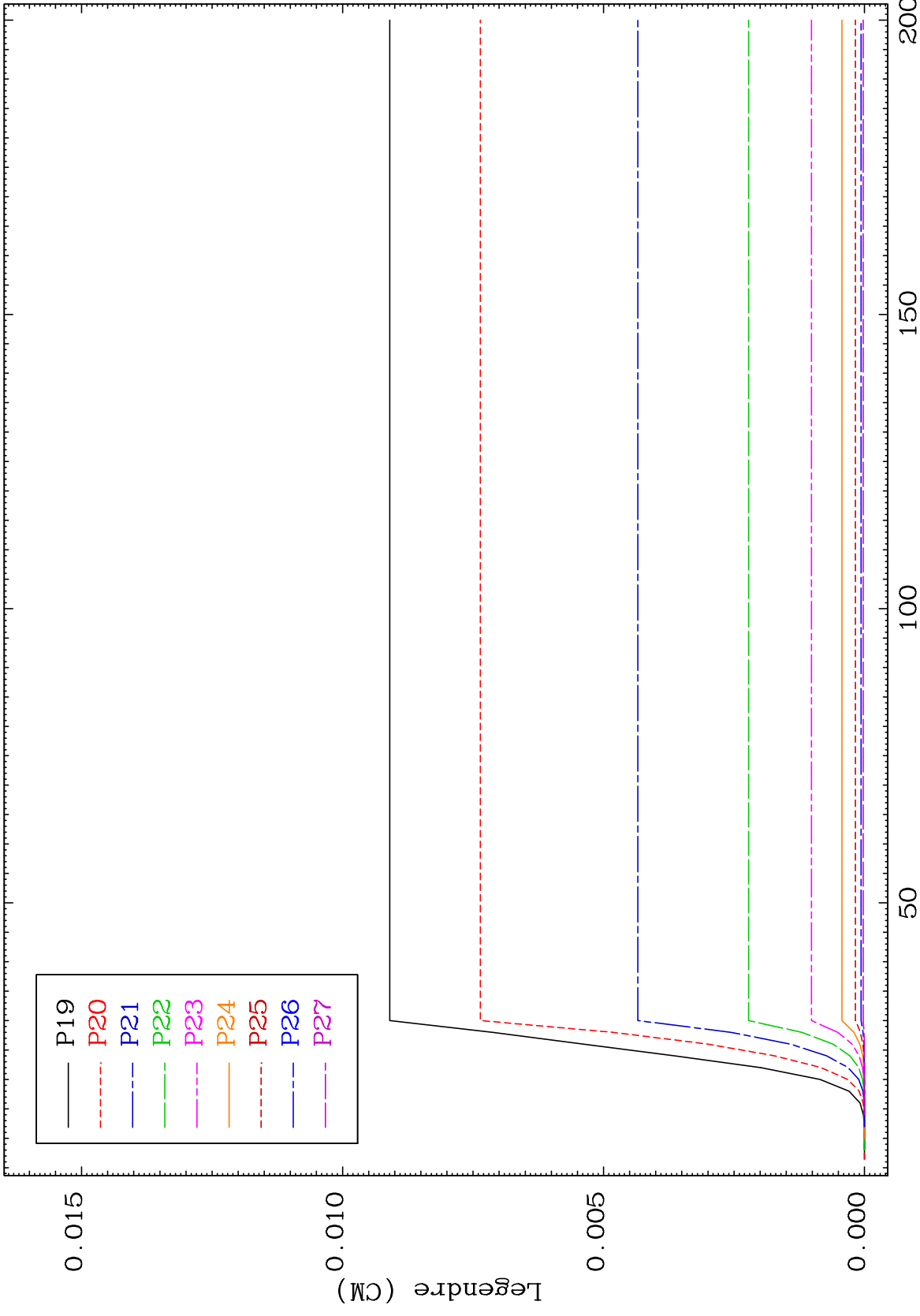
Incident Energy (MeV)

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MAT 6477

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

65-Tb-143



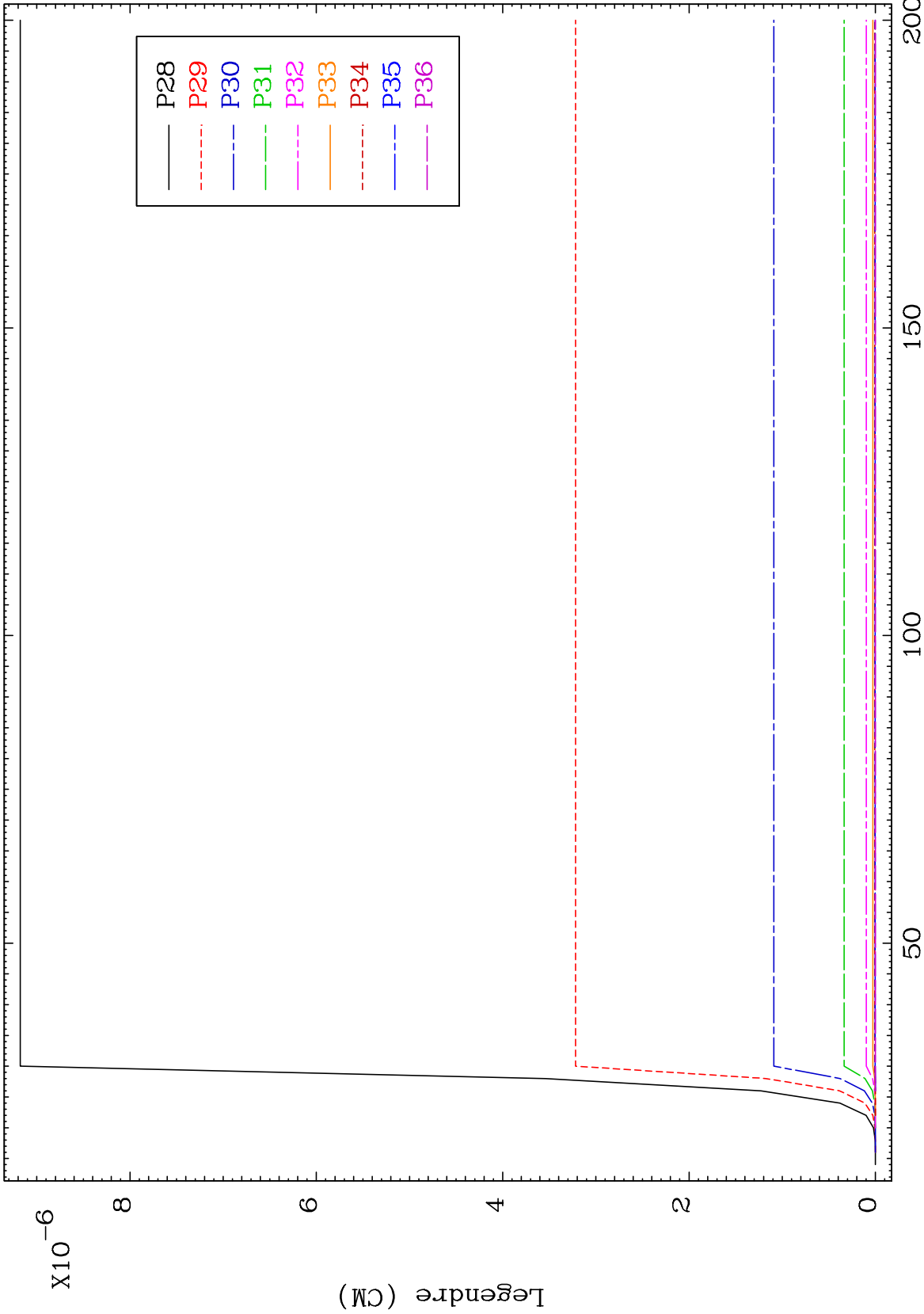
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65-Tb-143

MAT 6477

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

65-Tb-143



34

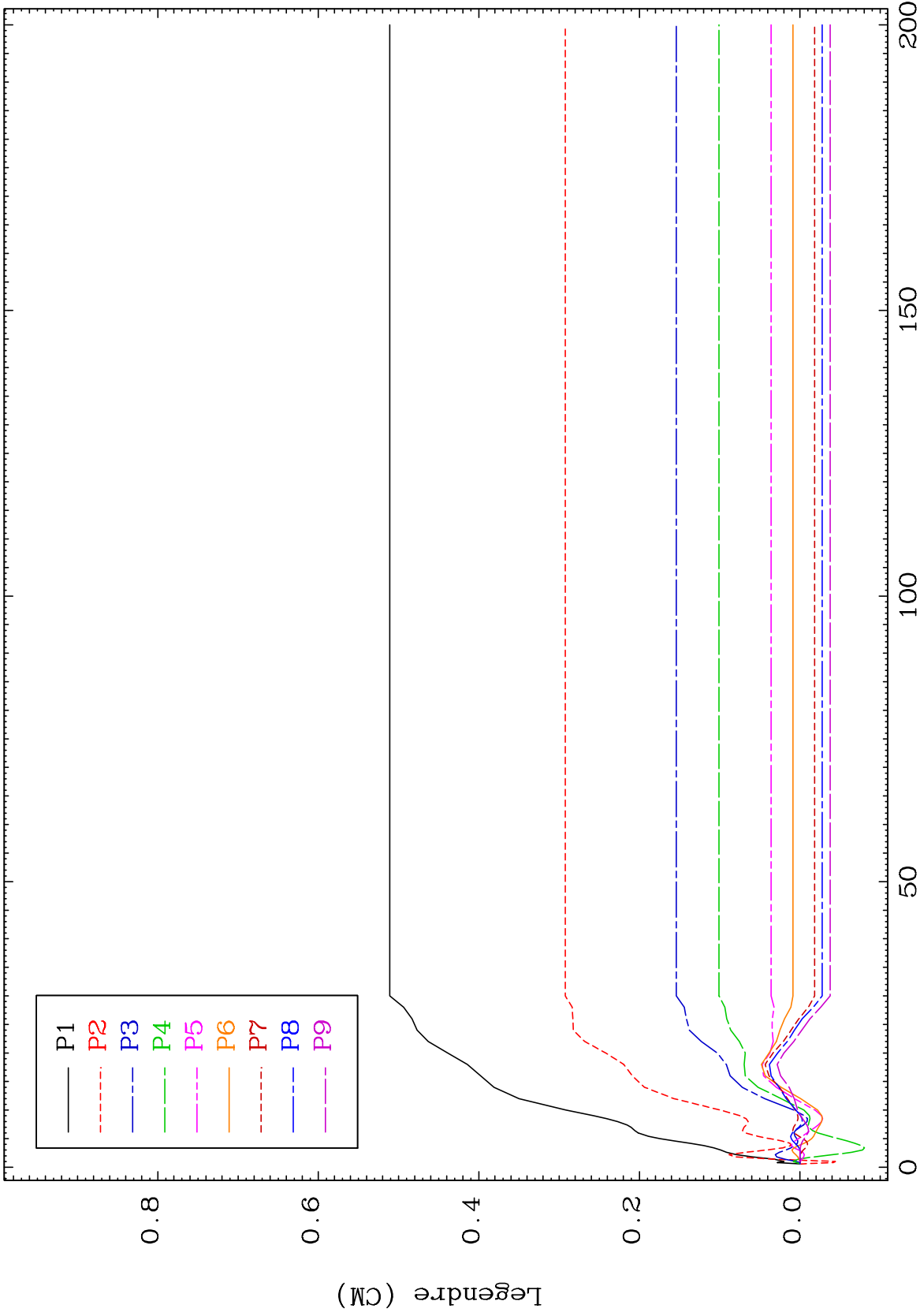
Incident Energy (MeV)

65-Tb-143

MAT 6477

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

65-Tb-143



35

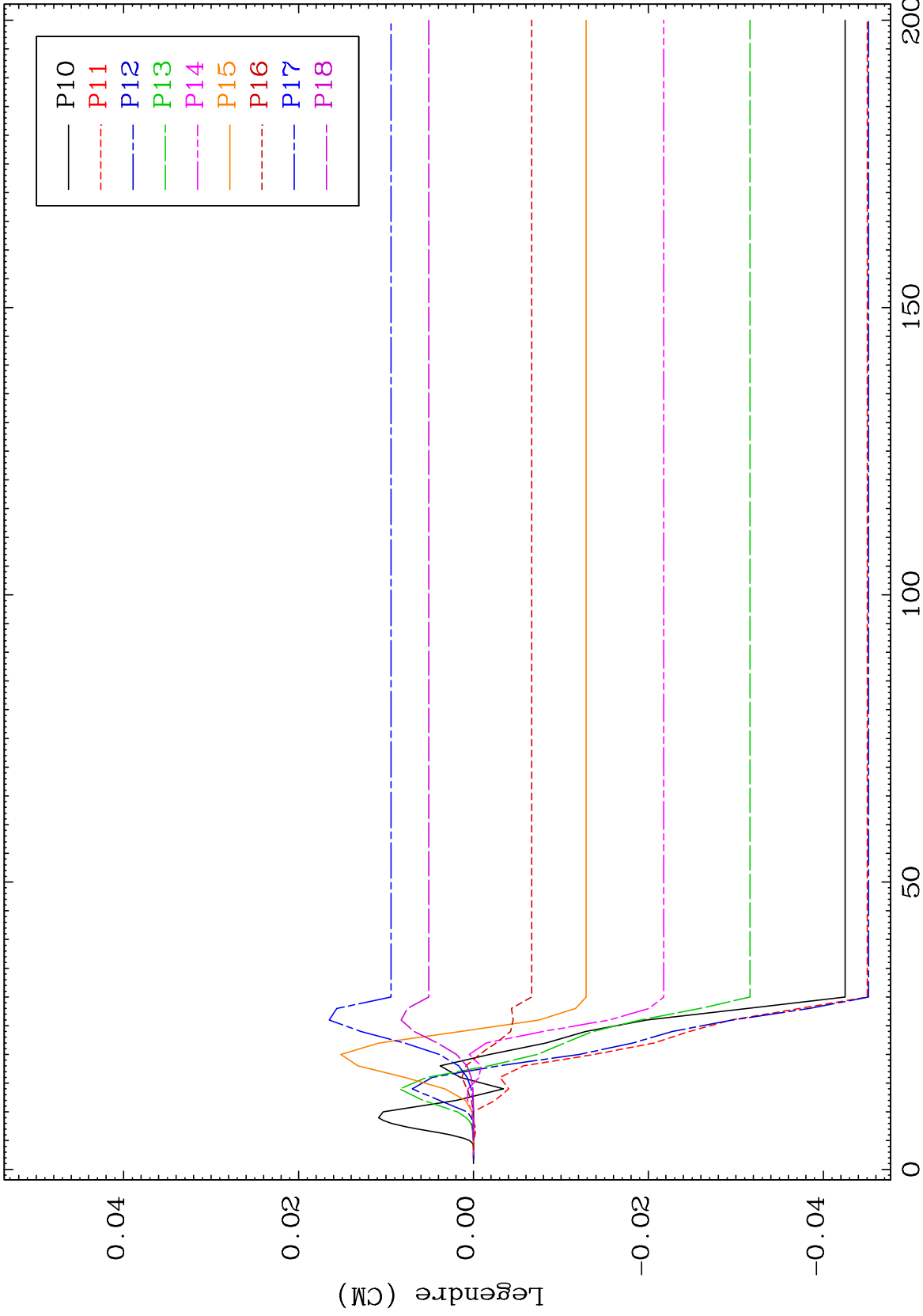
Incident Energy (MeV)

65-Tb-143

MAT 6477

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

65-Tb-143



36

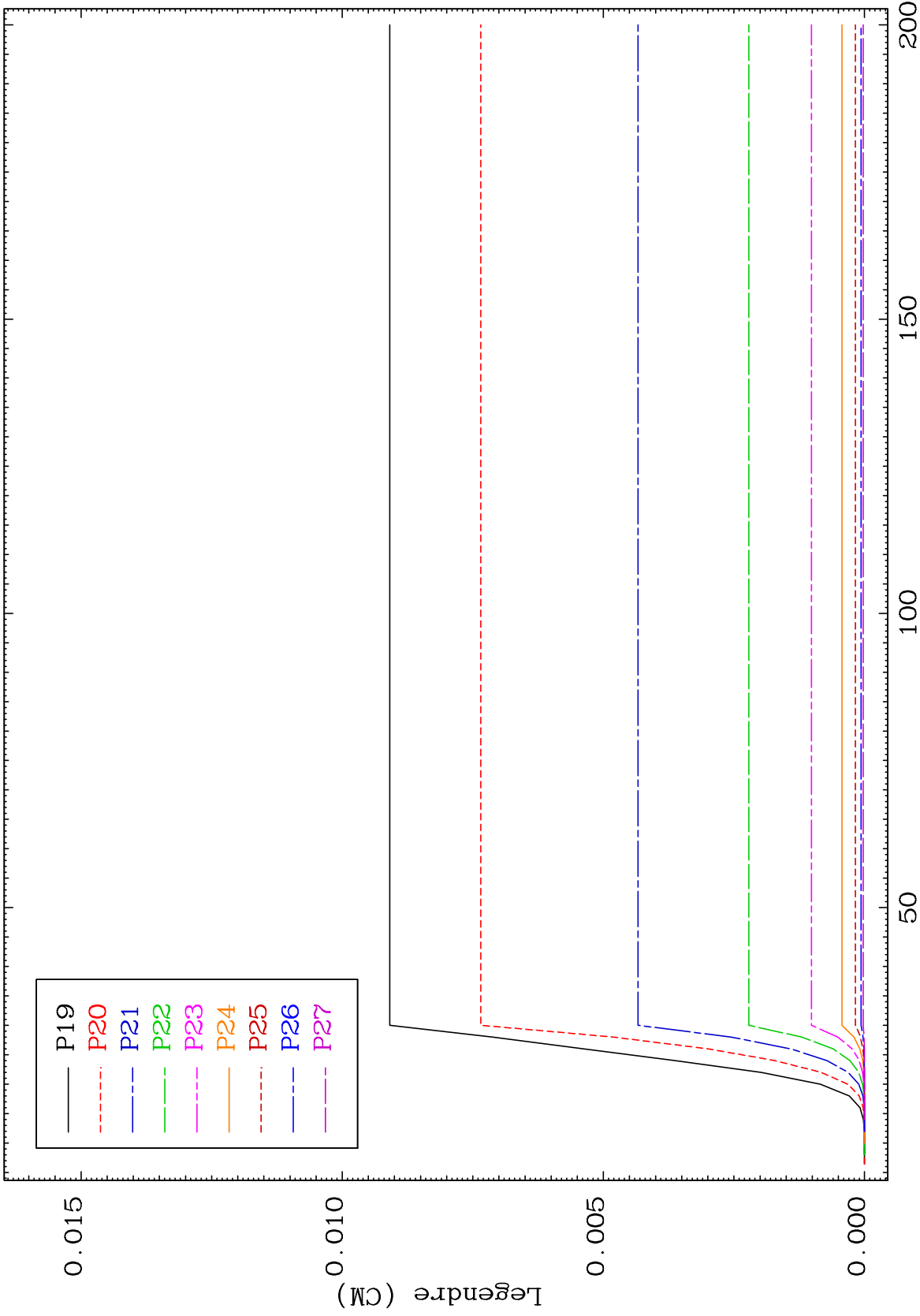
Incident Energy (MeV)

65-Tb-143

MAT 6477

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

65-Tb-143



37

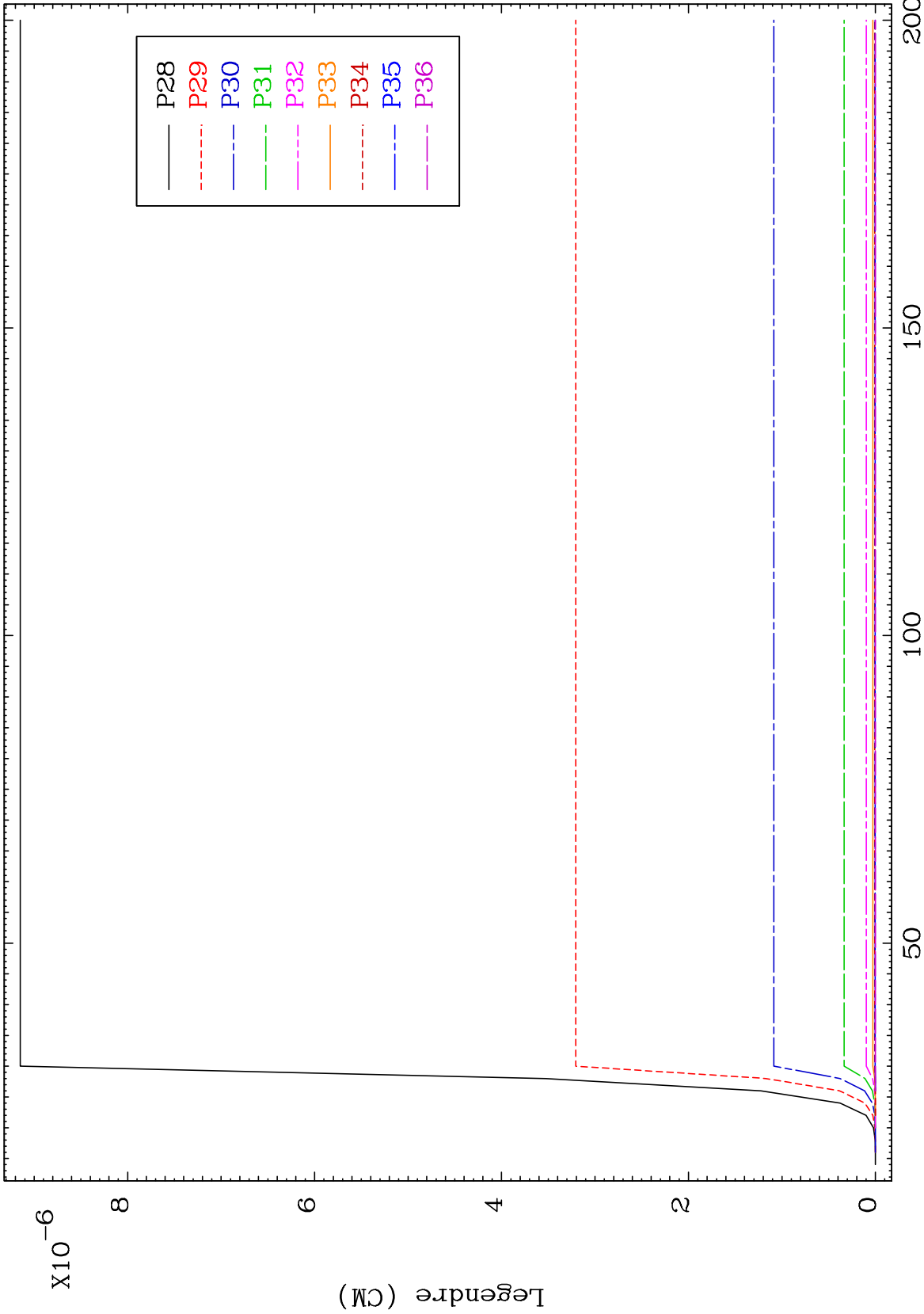
Incident Energy (MeV)

65-Tb-143

MAT 6477

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

65-Tb-143



38

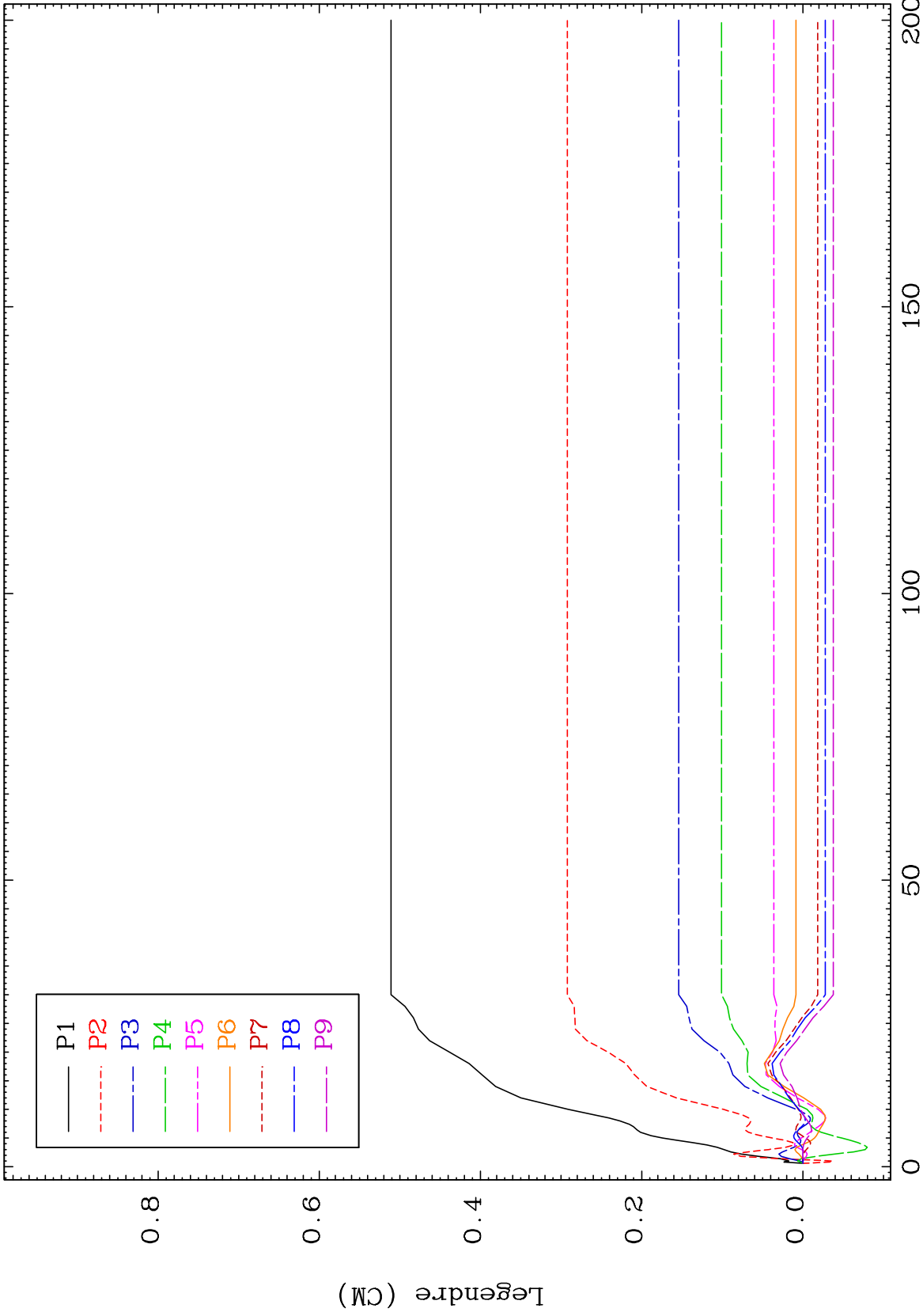
Incident Energy (MeV)

65-Tb-143

MAT 6477

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

65-Tb-143



39

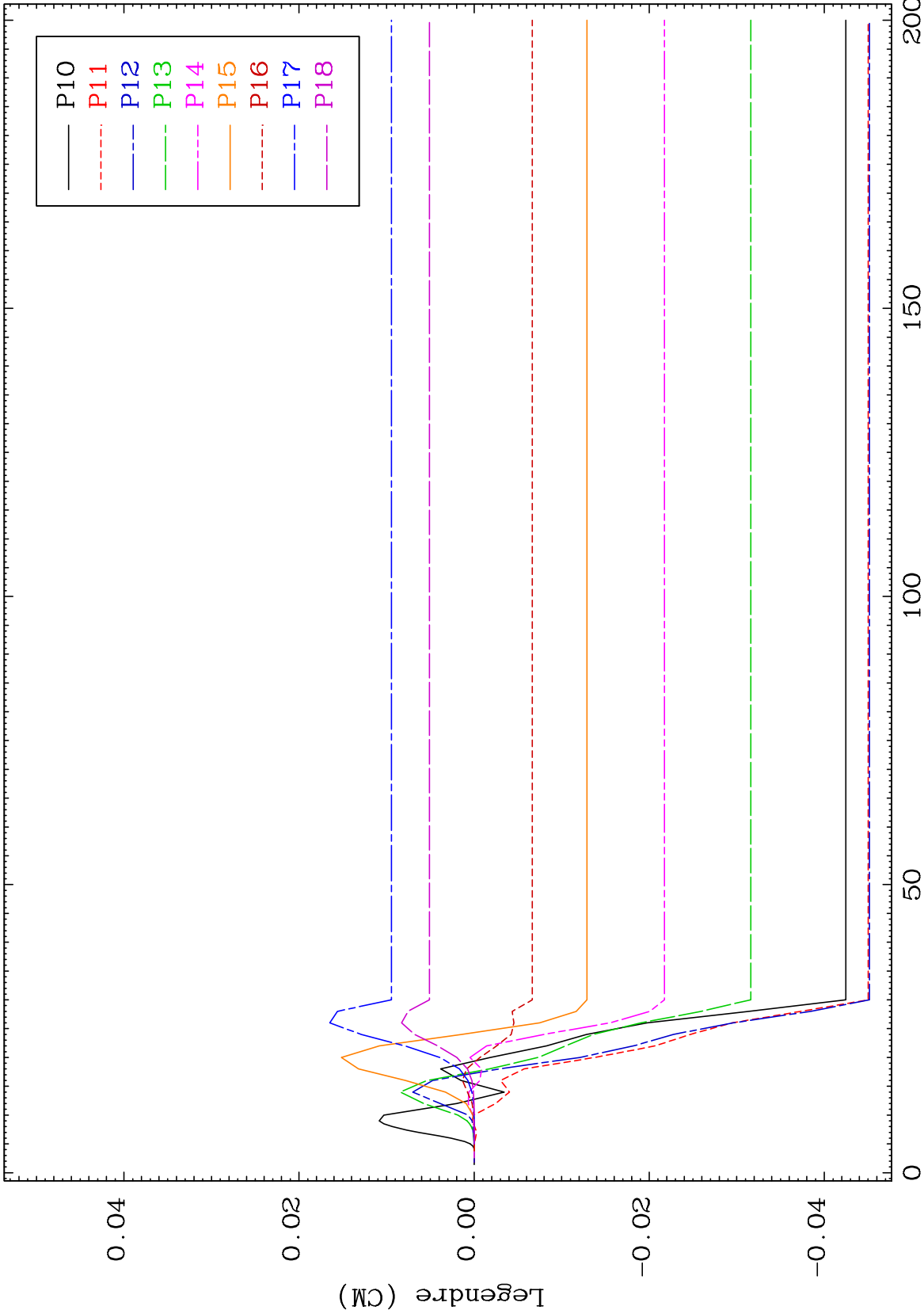
Incident Energy (MeV)

65-Tb-143

MAT 6477

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

65-Tb-143



40

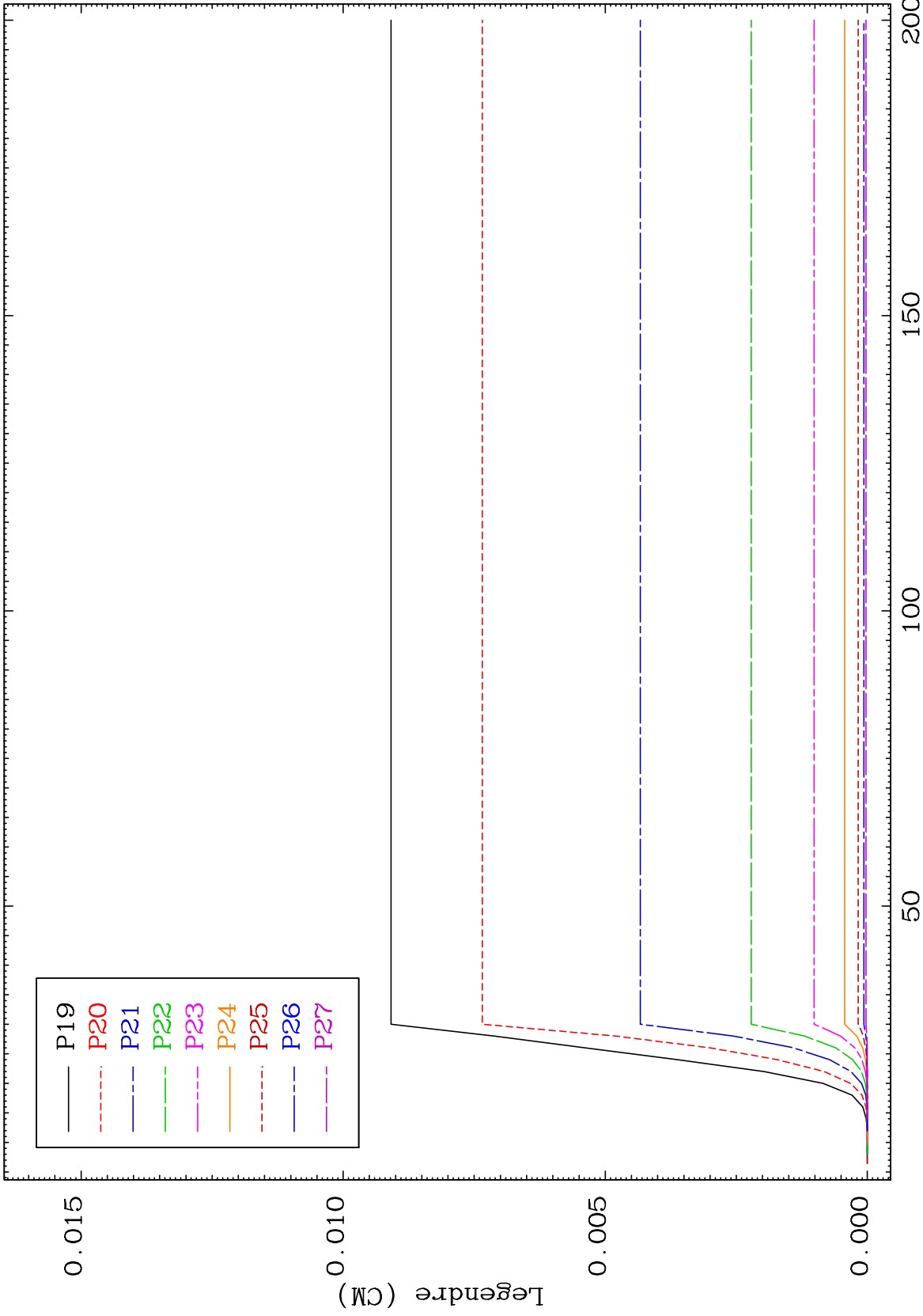
Incident Energy (MeV)

65-Tb-143

MAT 6477

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

65-Tb-143



41

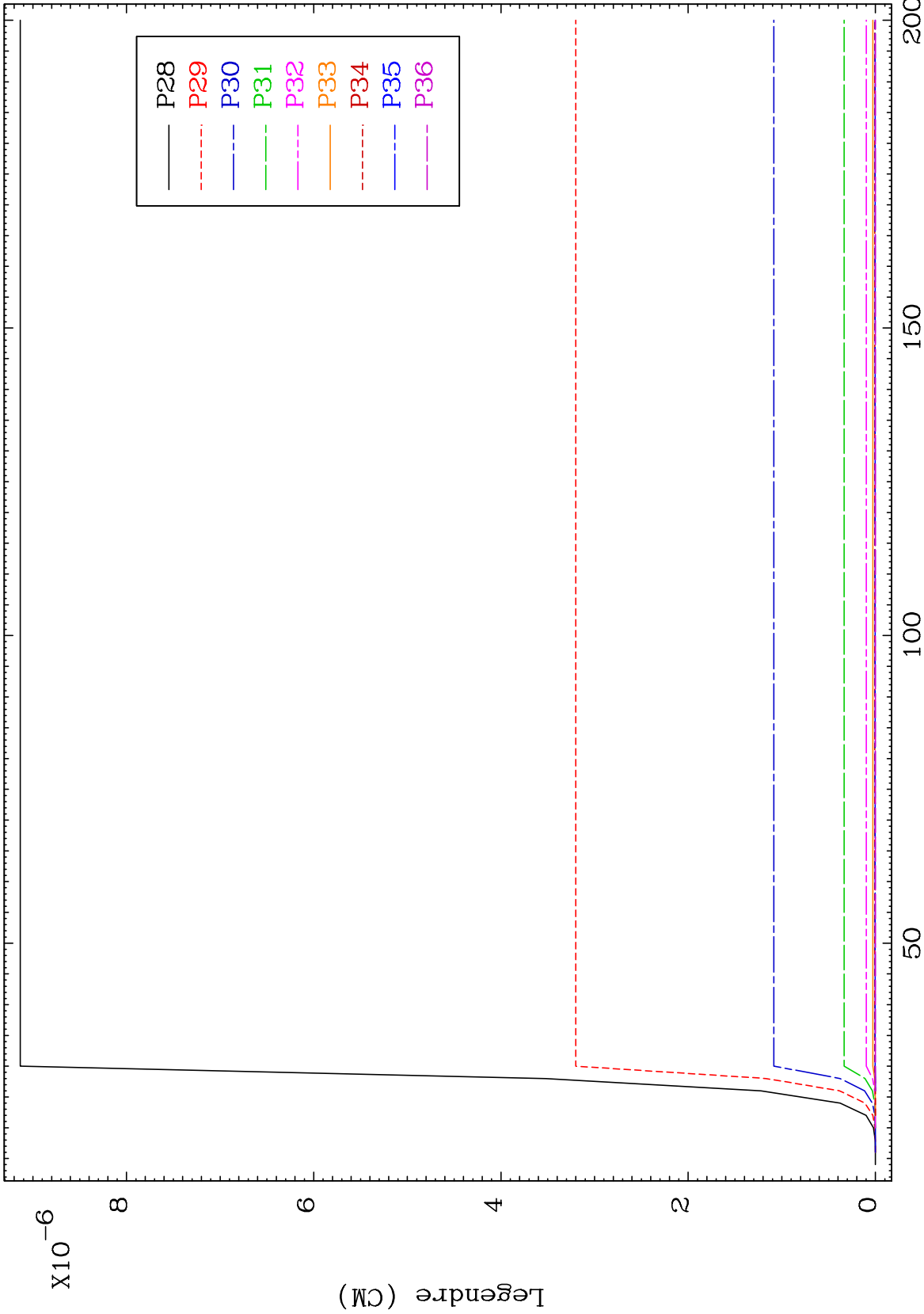
Incident Energy (MeV)

65-Tb-143

MAT 6477

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

65-Tb-143



42

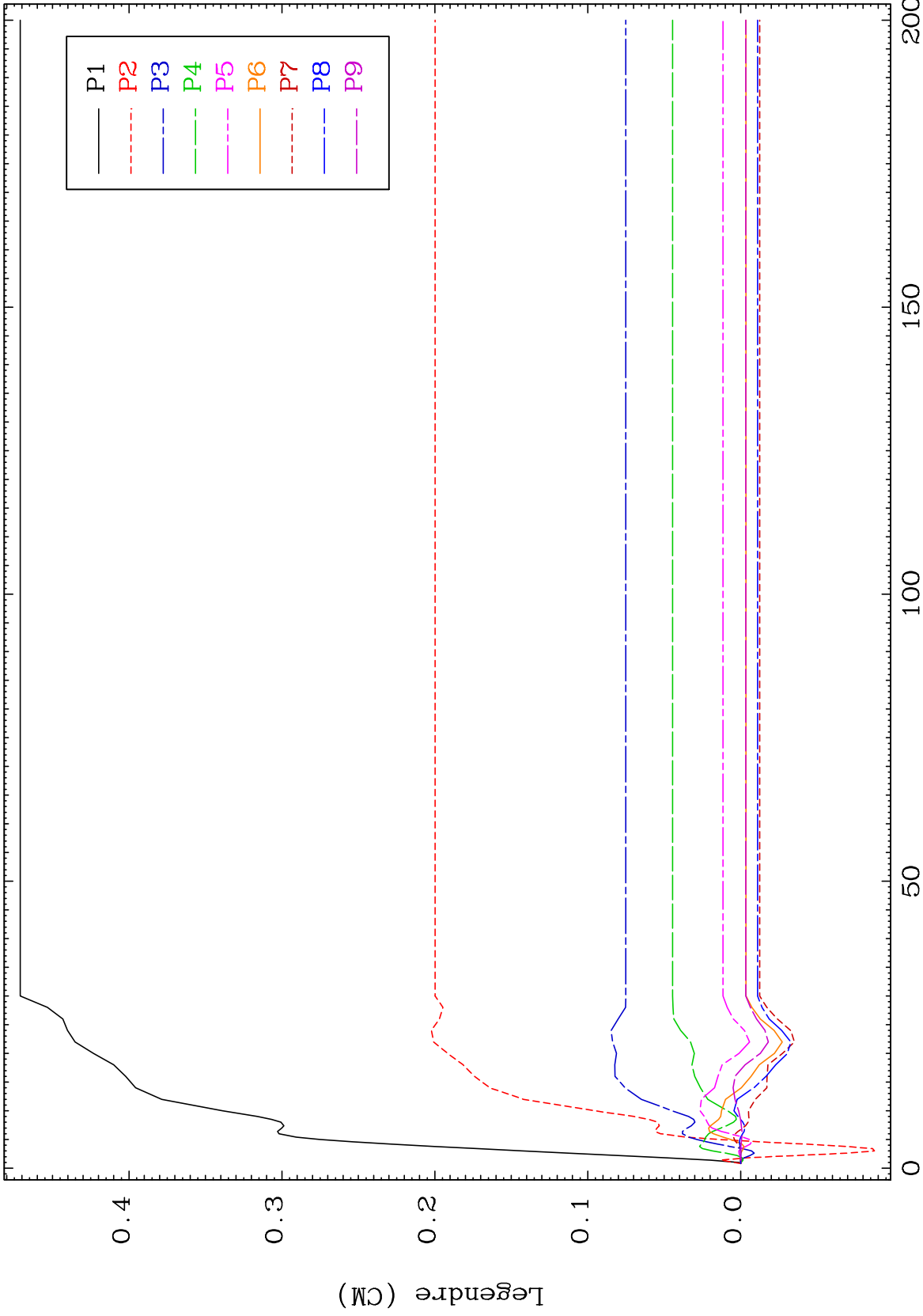
Incident Energy (MeV)

65-Tb-143

MAT 6477

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

65-Tb-143



43

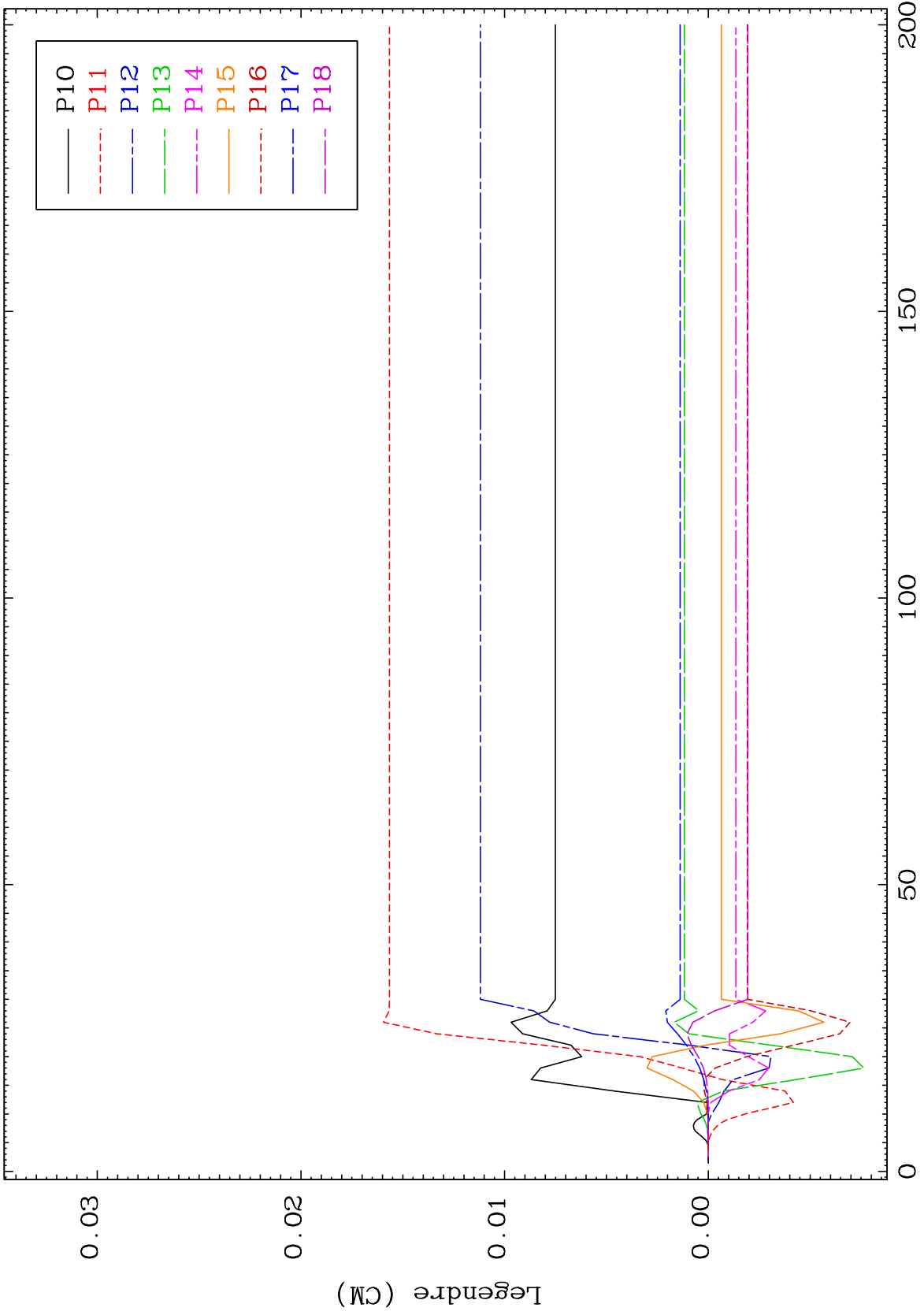
Incident Energy (MeV)

65-Tb-143

MAT 6477

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

65-Tb-143



44

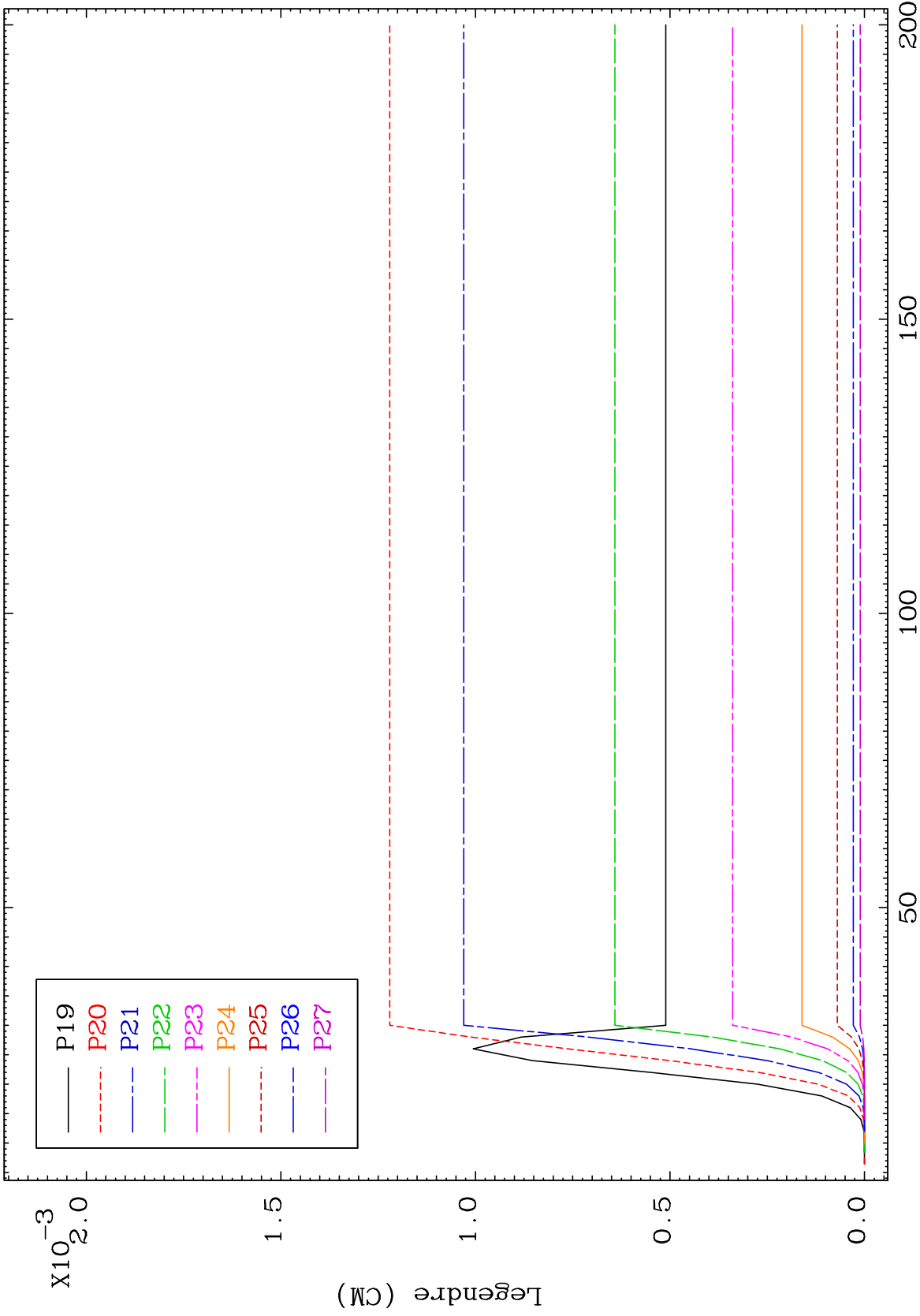
Incident Energy (MeV)

65-Tb-143

MAT 6477

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

65-Tb-143



45

Incident Energy (MeV)

50

100

150

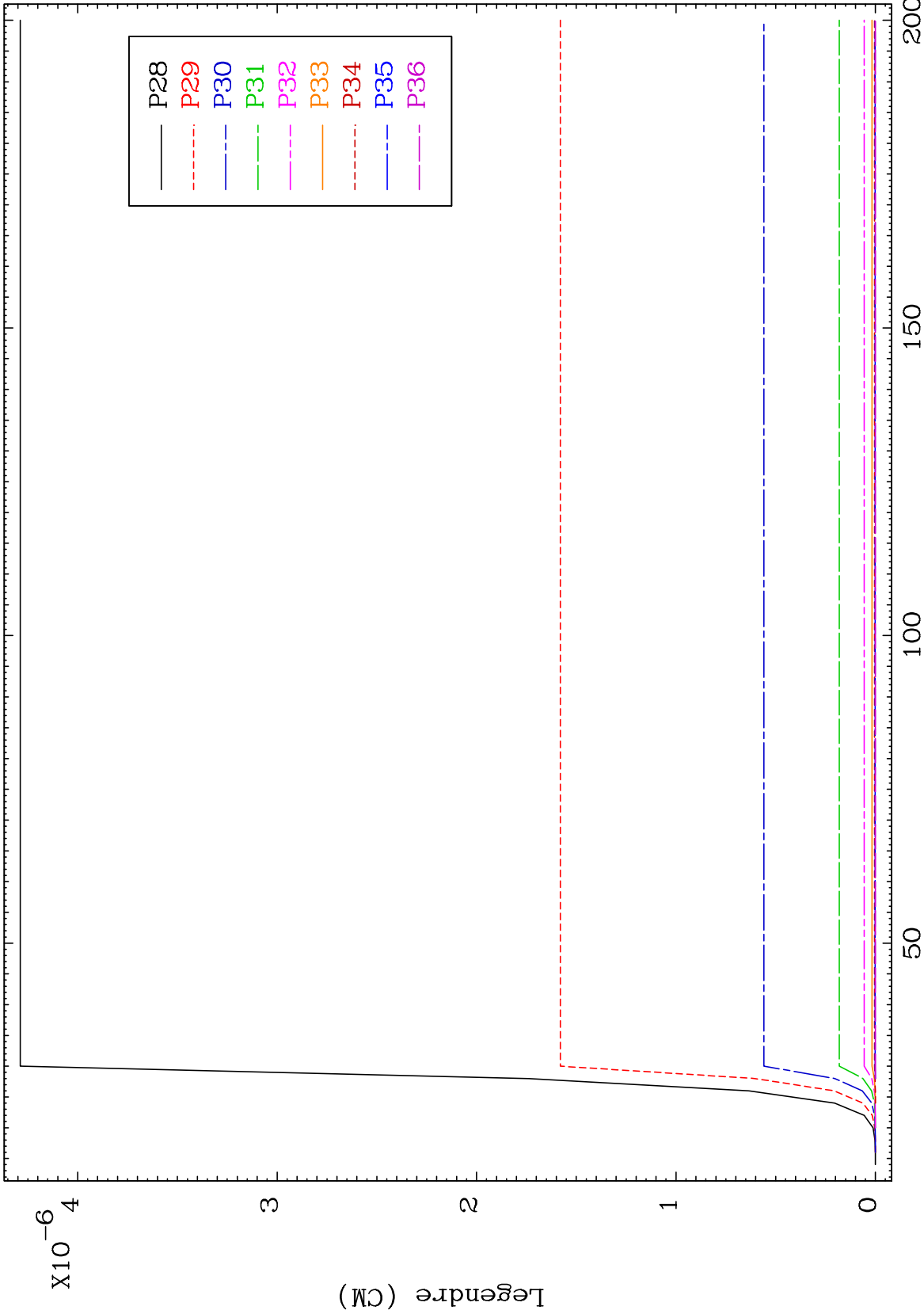
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65-Tb-143

MAT 6477

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

65-Tb-143



46

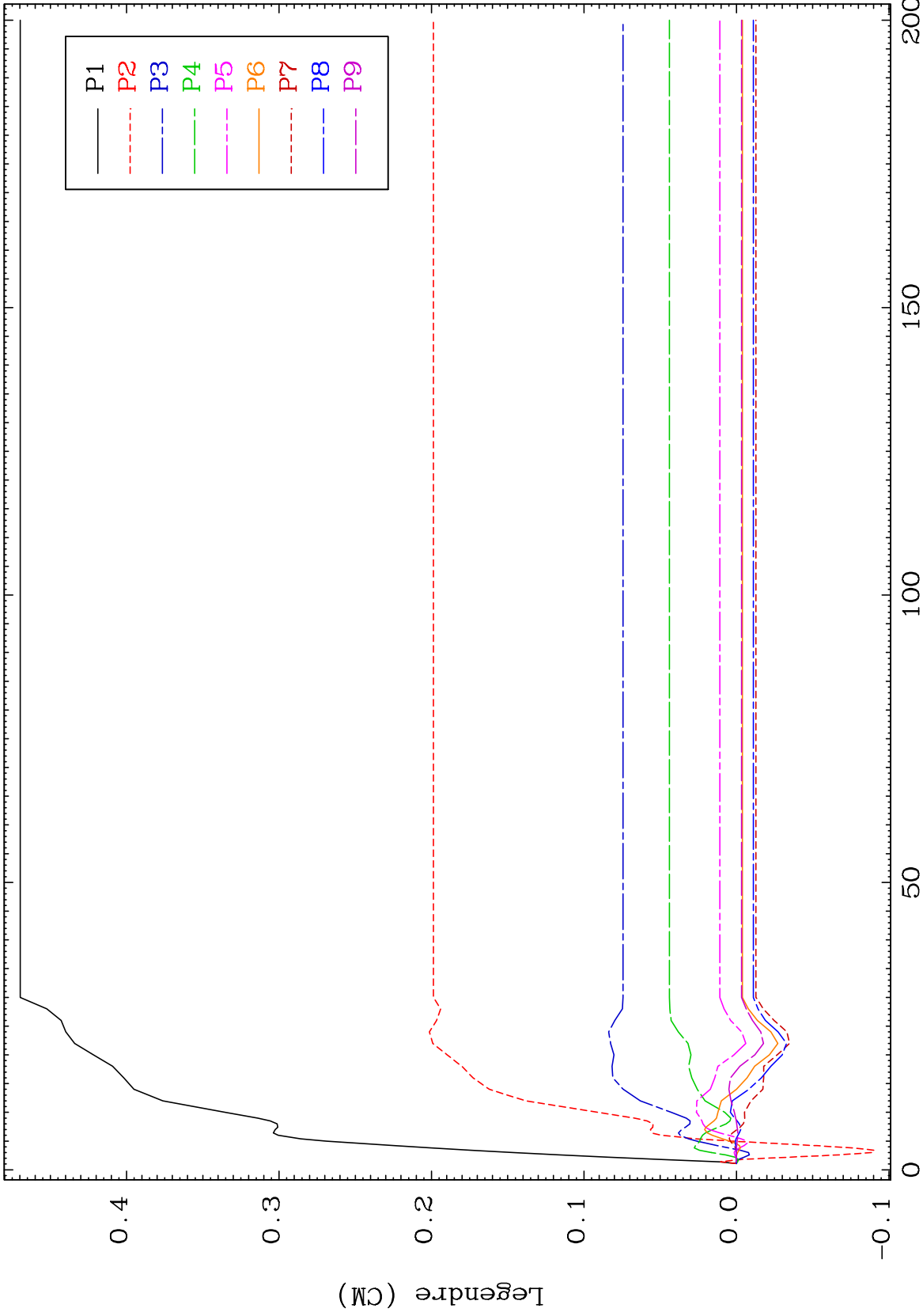
Incident Energy (MeV)

65-Tb-143

MAT 6477

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

65-Tb-143



47

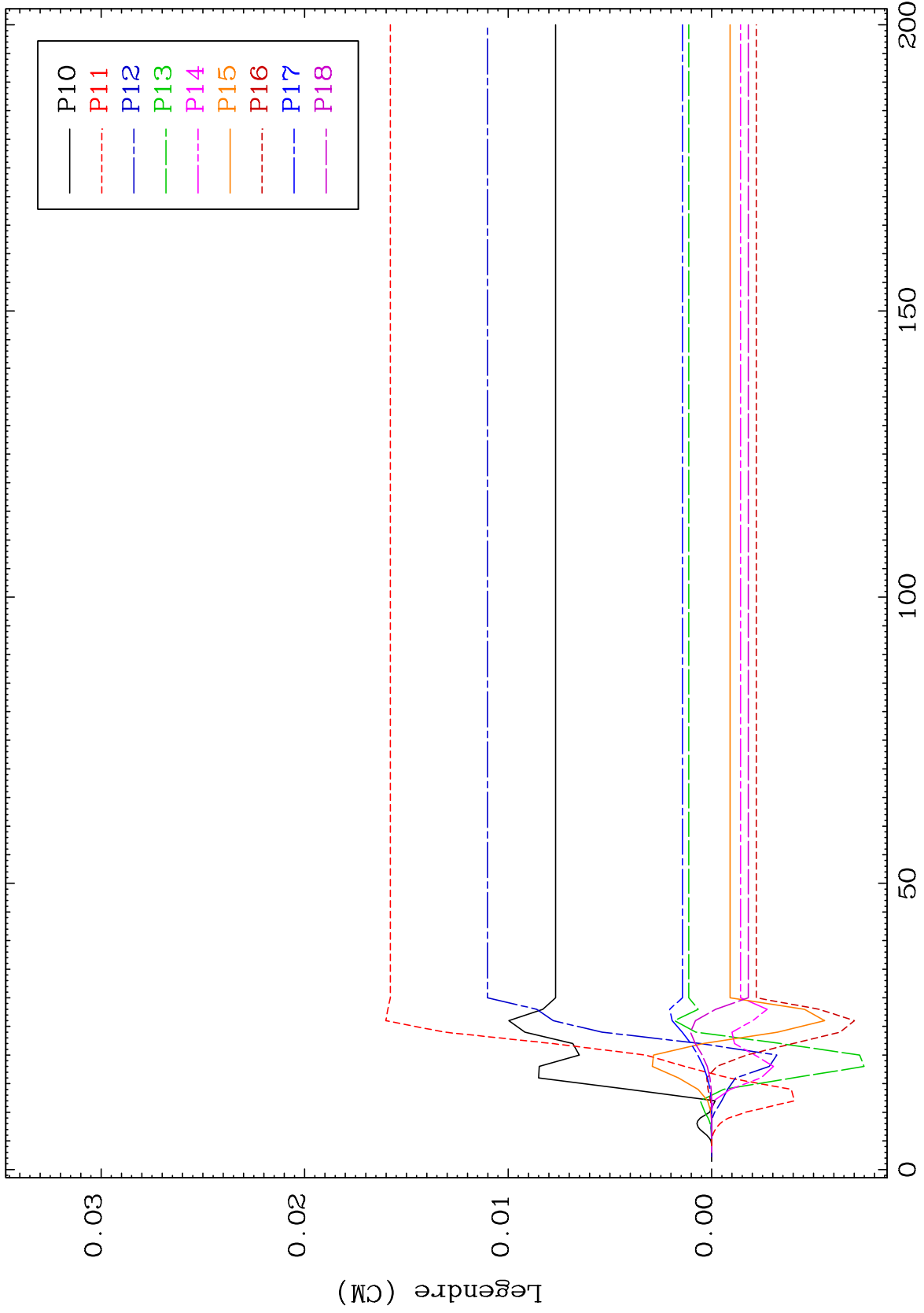
Incident Energy (MeV)

65-Tb-143

MAT 6477

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

65-Tb-143



48

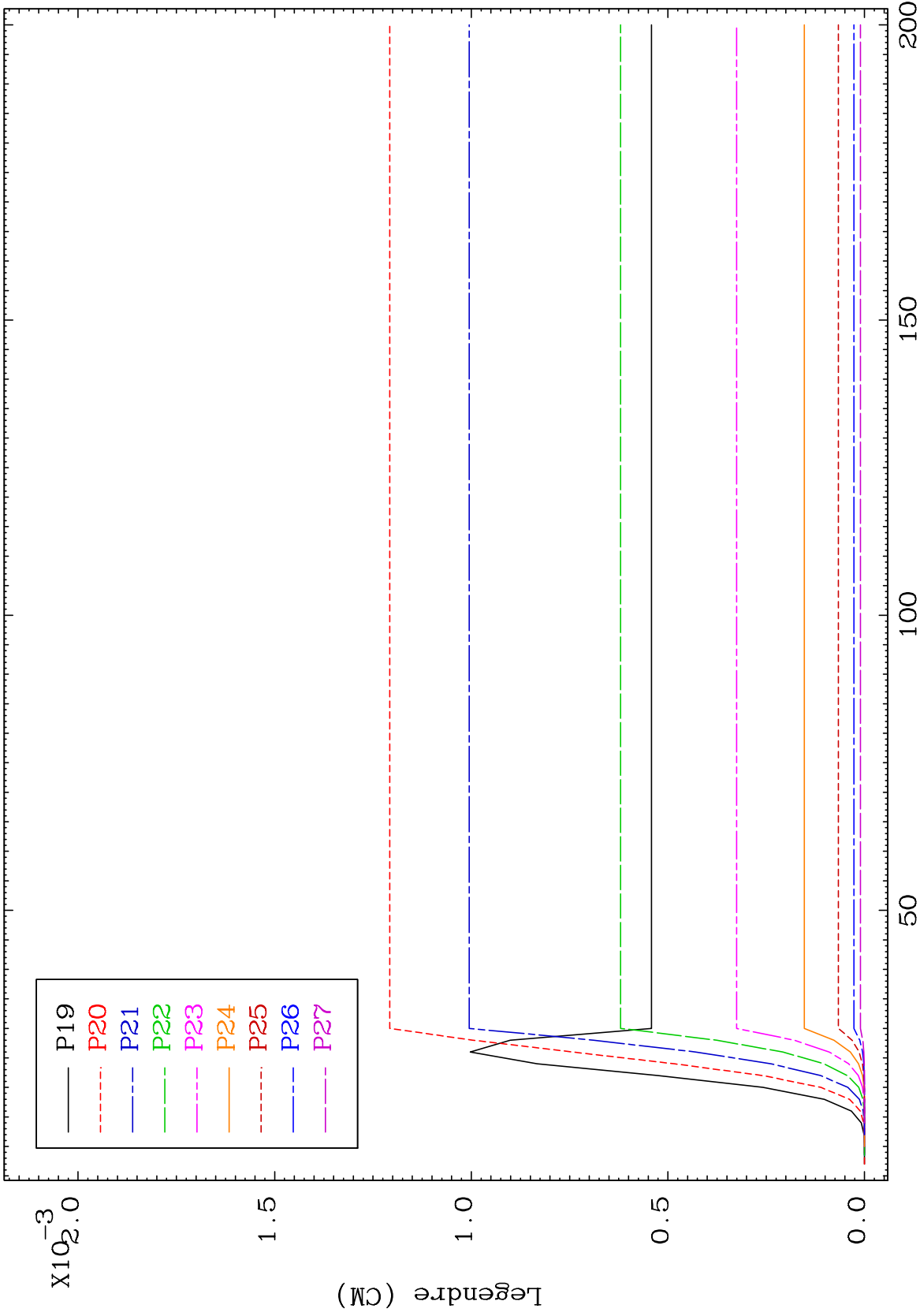
Incident Energy (MeV)

65-Tb-143

MAT 6477

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

65-Tb-143



49

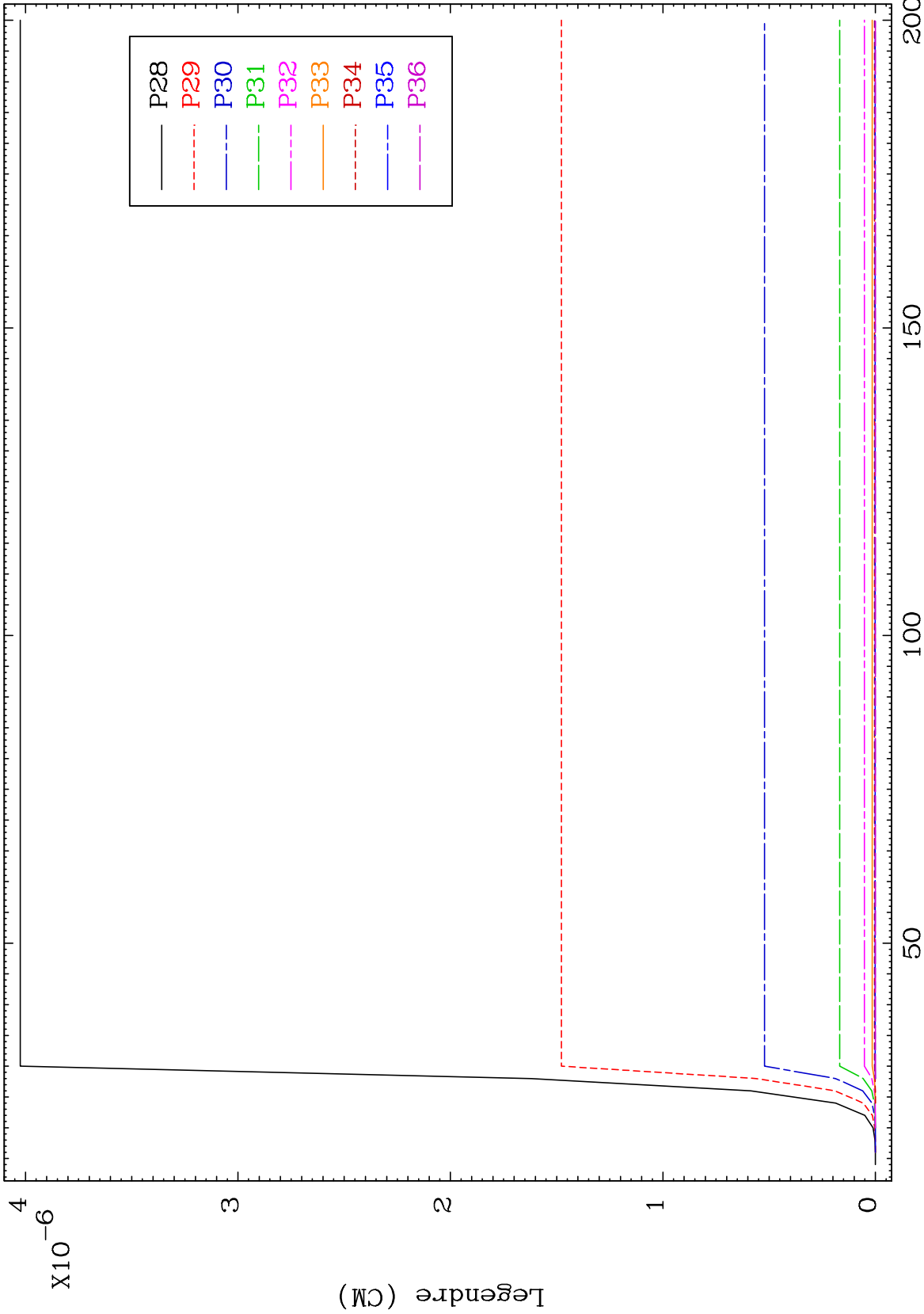
Incident Energy (MeV)

65-Tb-143

MAT 6477

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

65-Tb-143



50

50

100

150

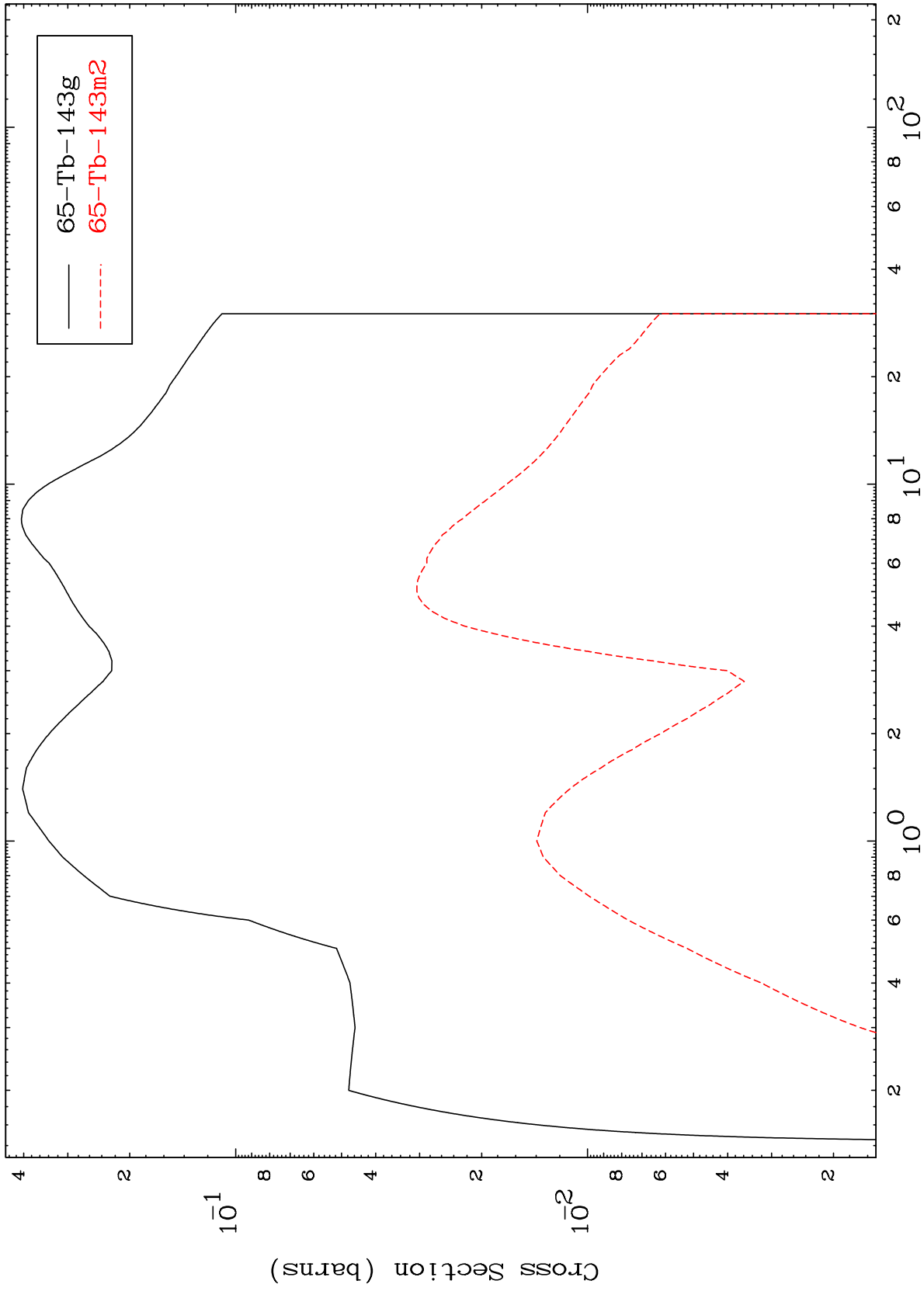
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65-Tb-143

MAT 6477

65-Tb-143

### Inelastic Radionuclide Production Cross Section



51

Incident Energy (MeV)

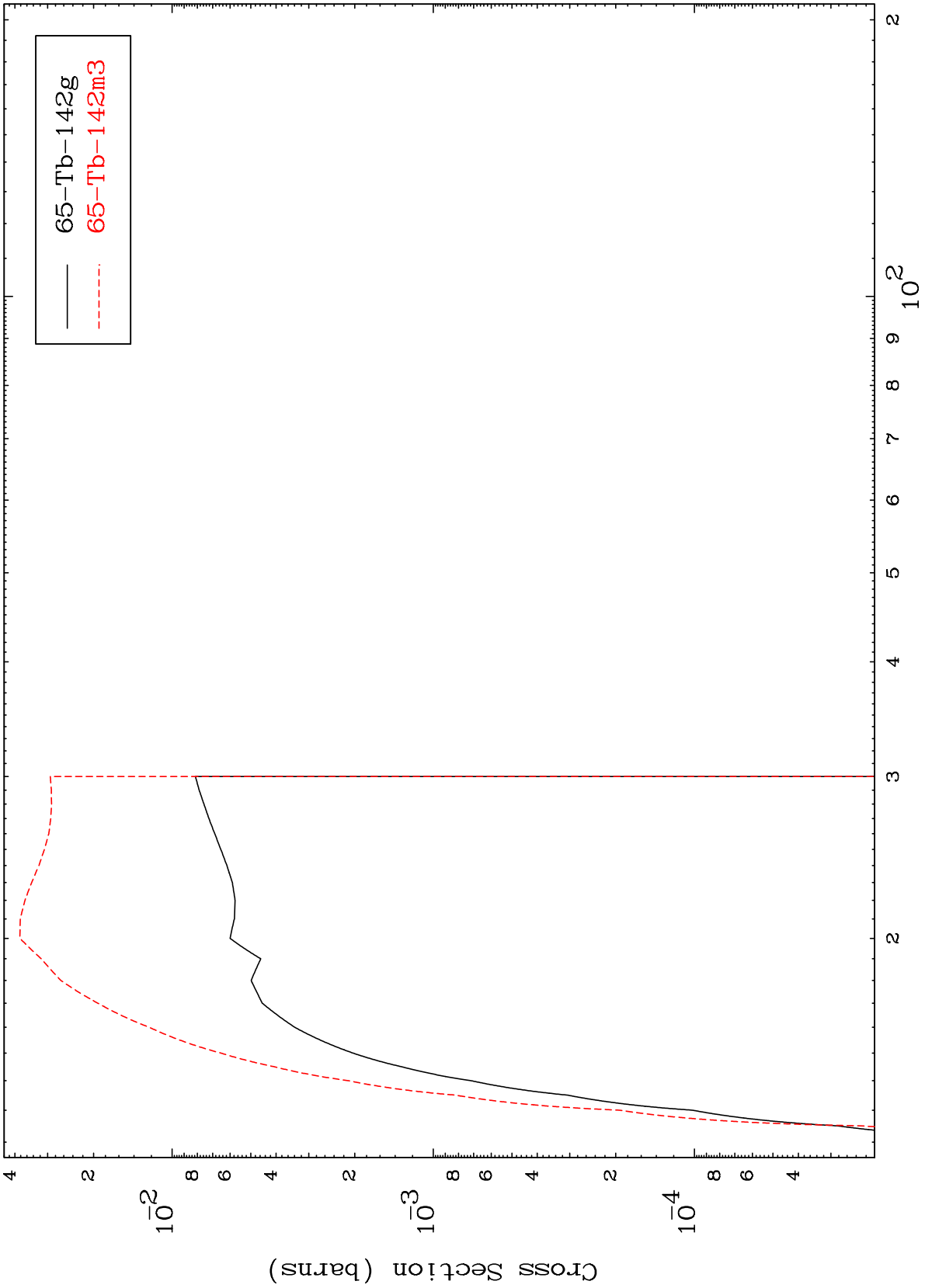
65-Tb-143

MAT 6477

(n,2n)

65-Tb-143

Radionuclide Production Cross Section



52

Incident Energy (MeV)

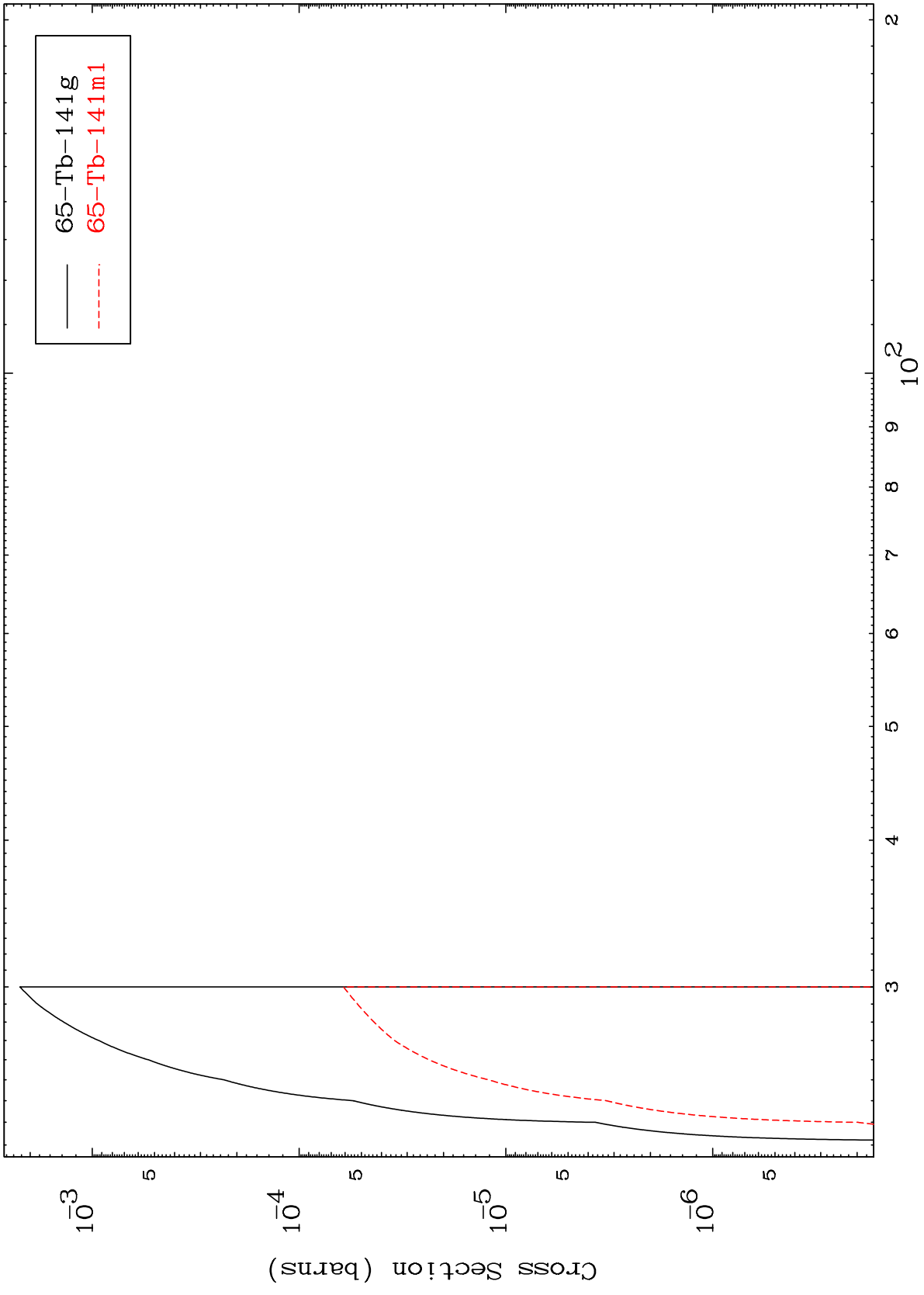
65-Tb-143

MAT 6477

(n,3n)

65-Tb-143

Radionuclide Production Cross Section



53

Incident Energy (MeV)

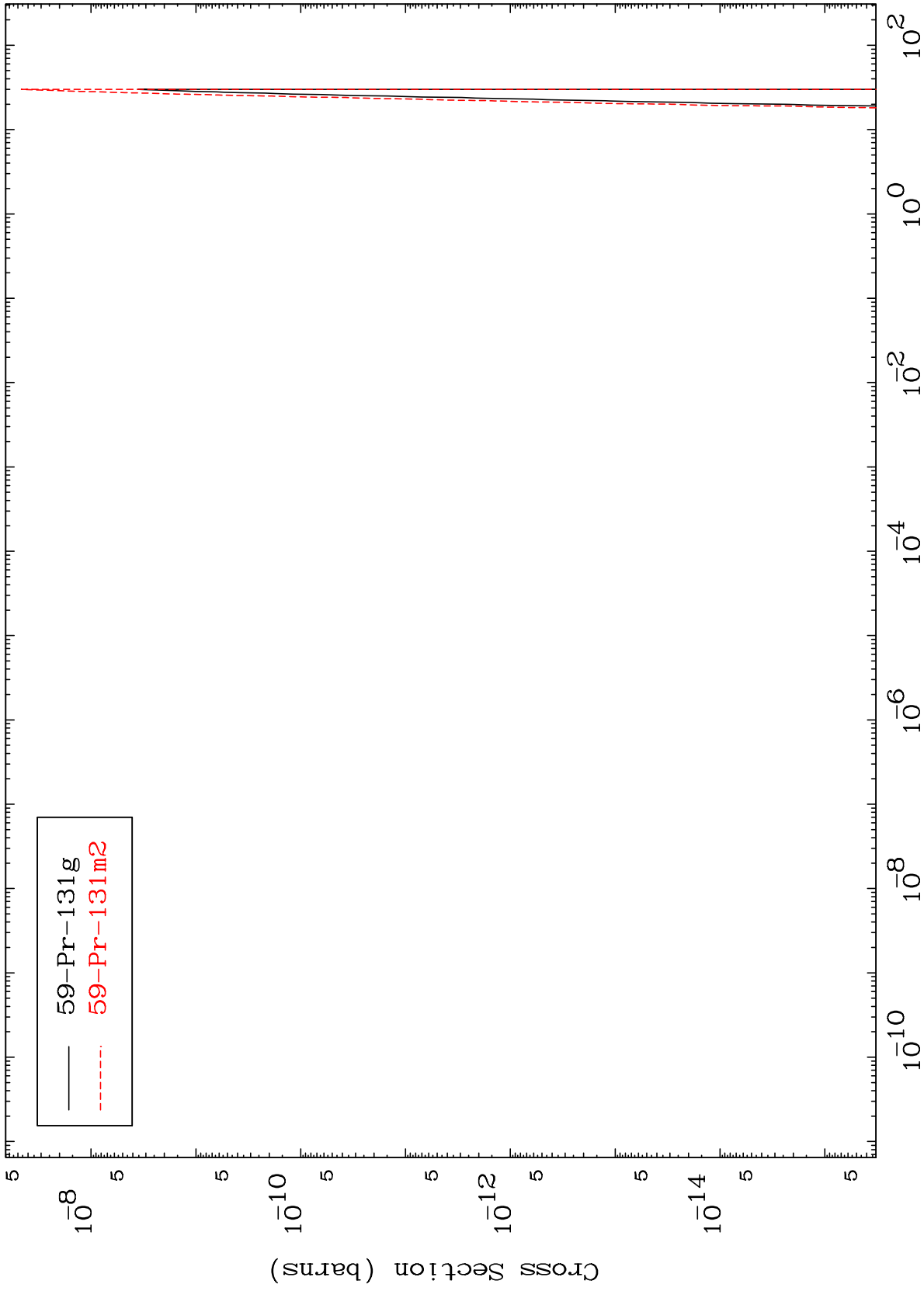
65-Tb-143

MAT 6477

(n,n') 3α

65-Tb-143

Radionuclide Production Cross Section



54

Incident Energy (MeV)

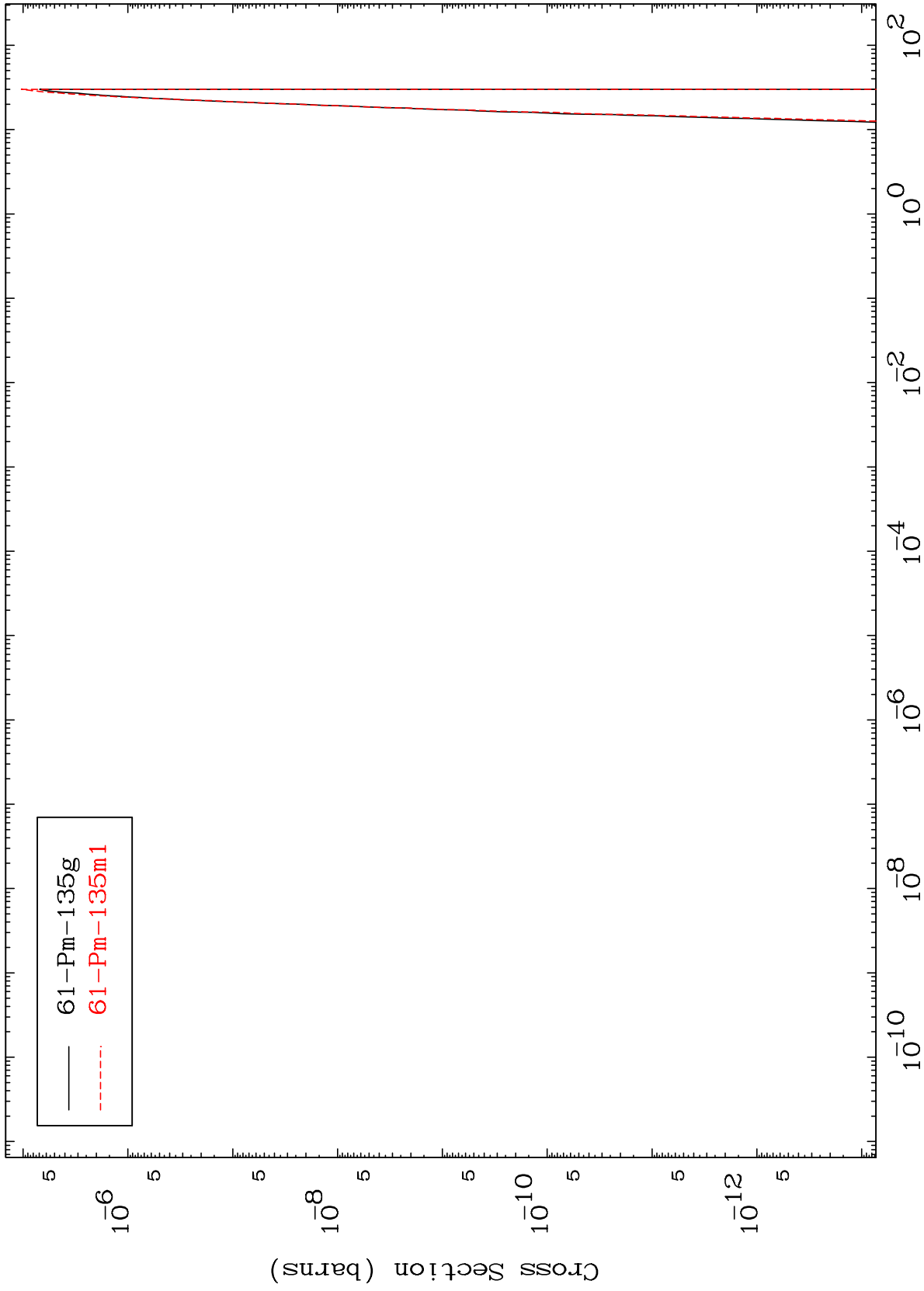
65-Tb-143

MAT 6477

(n,n') 2 $\alpha$

65-Tb-143

Radionuclide Production Cross Section



55

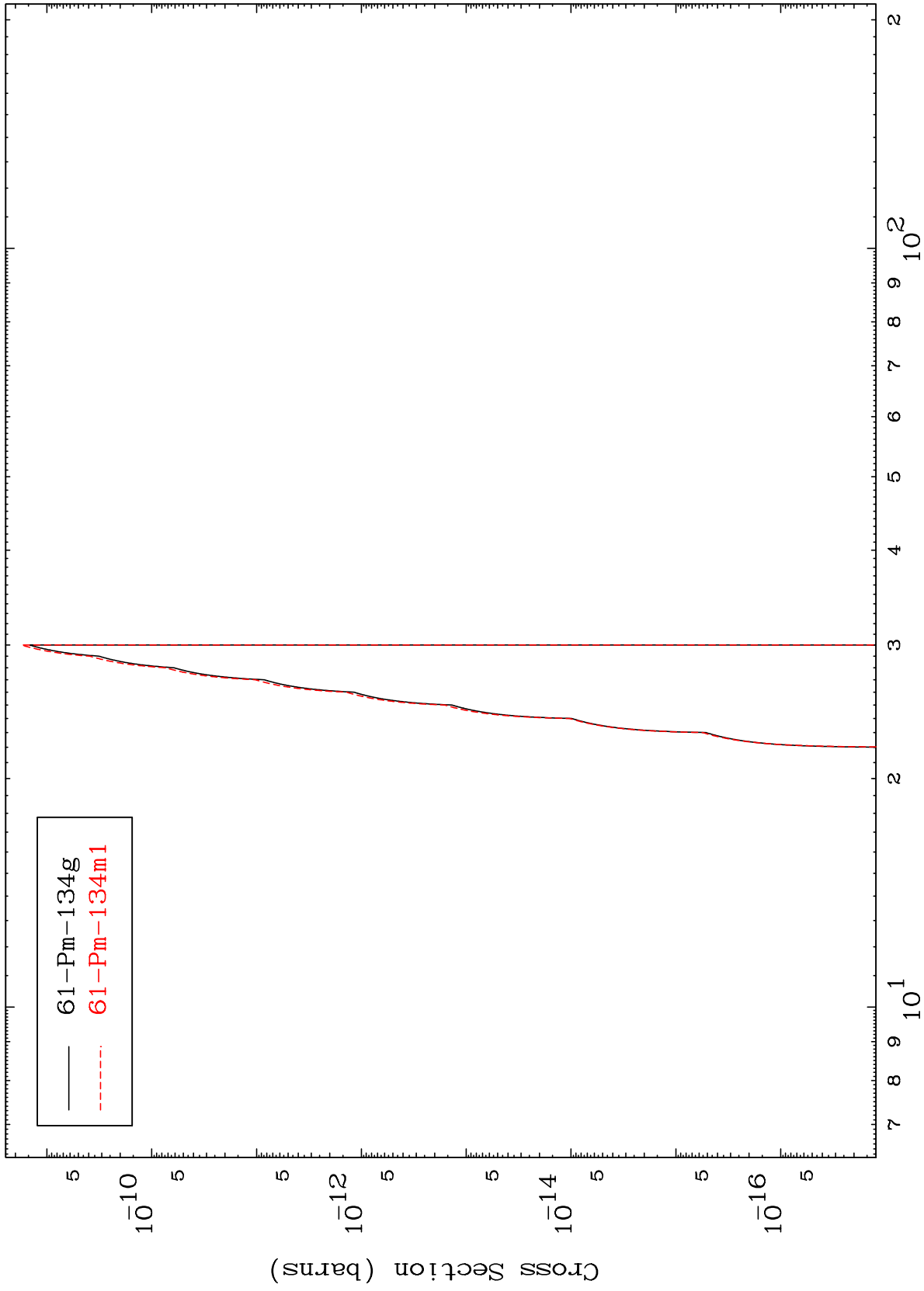
Incident Energy (MeV)

65-Tb-143

MAT 6477

65-Tb-143

(n,2n) 2 $\alpha$   
Radionuclide Production Cross Section



56

Incident Energy (MeV)

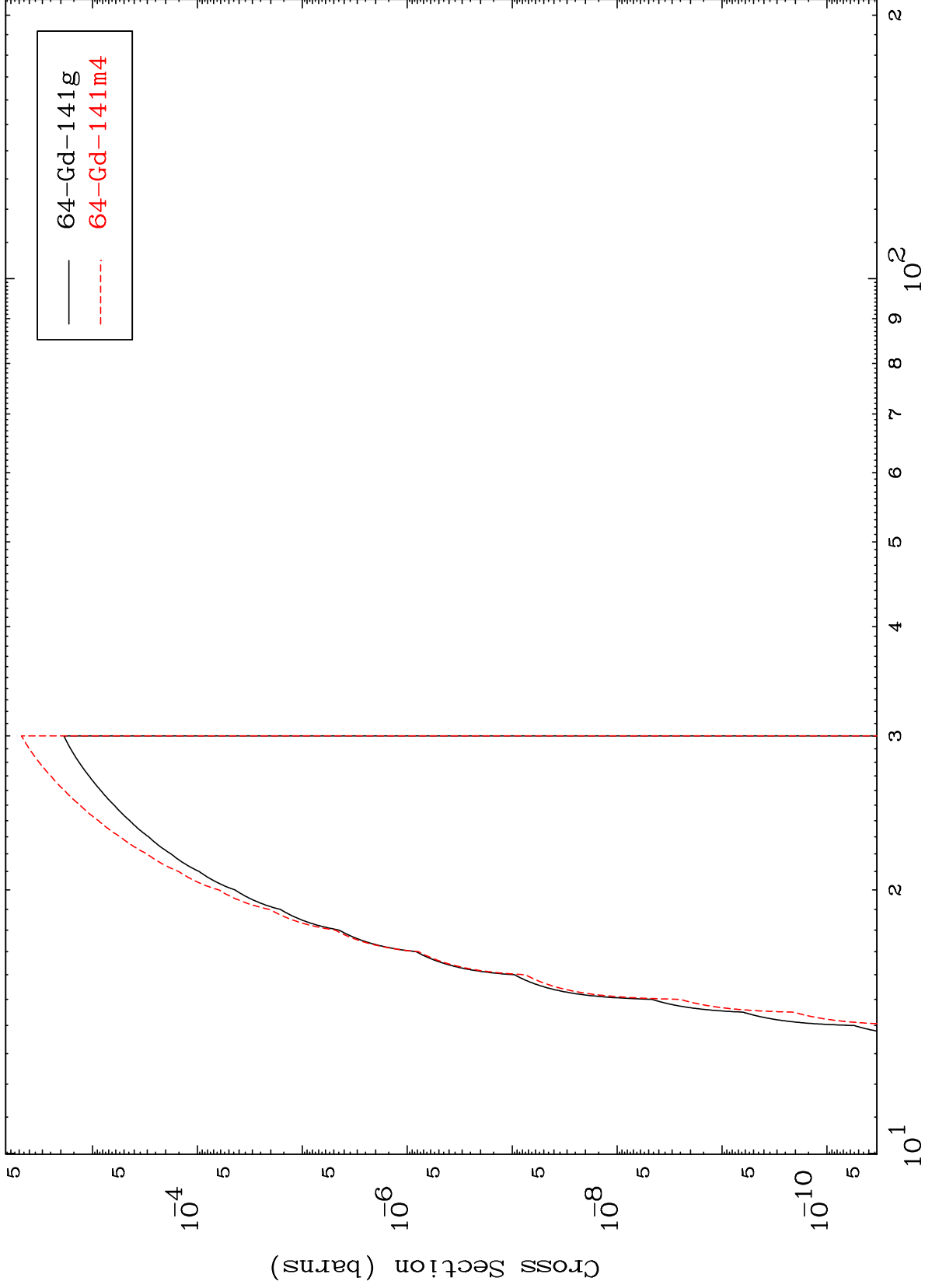
65-Tb-143

MAT 6477

(n,n') d

65-Tb-143

Radionuclide Production Cross Section



57

Incident Energy (MeV)

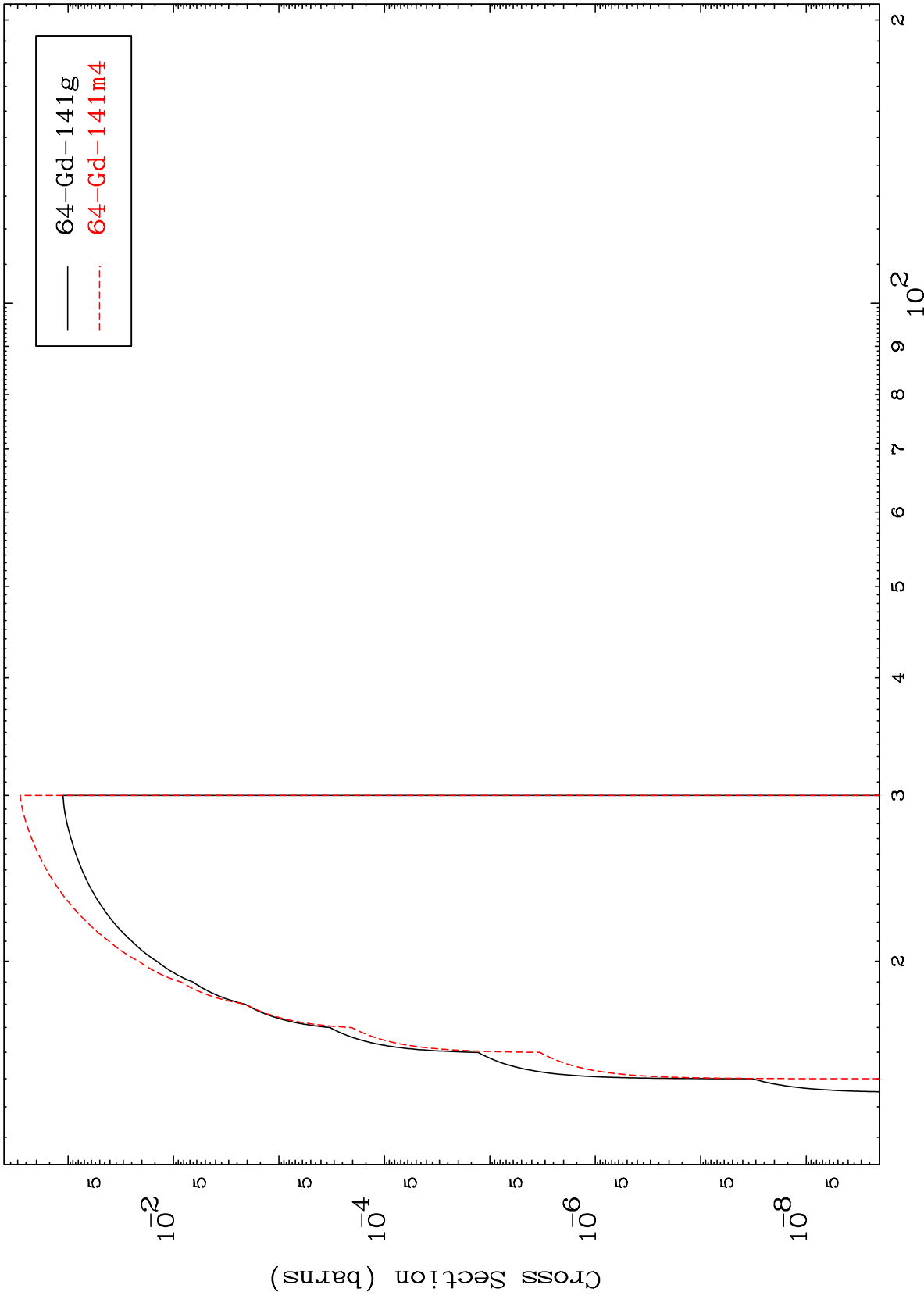
65-Tb-143

MAT 6477

(n,2n) p

65-Tb-143

Radionuclide Production Cross Section



58

Incident Energy (MeV)

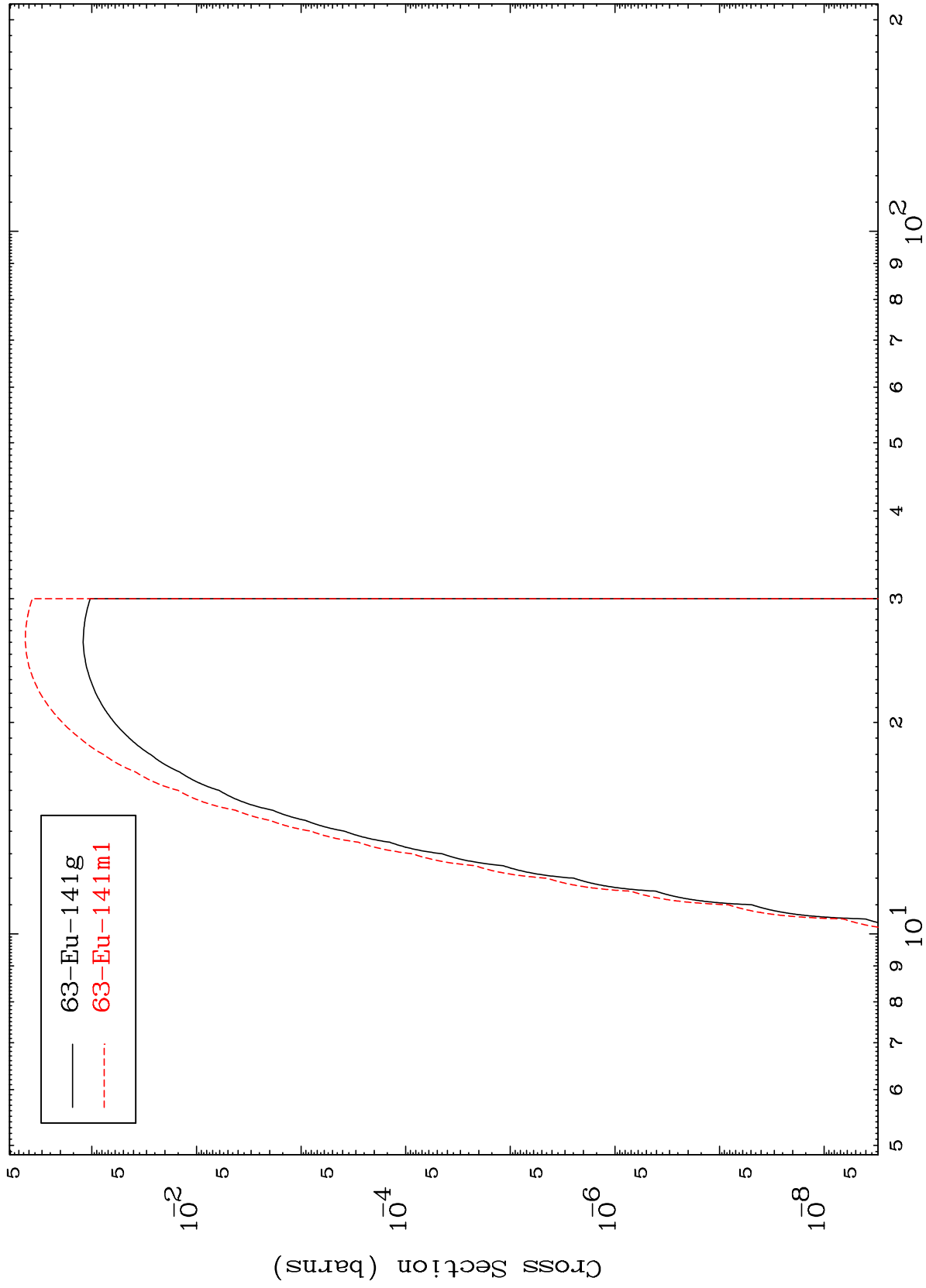
65-Tb-143

MAT 6477

(n,2n) p

65-Tb-143

Radionuclide Production Cross Section



59

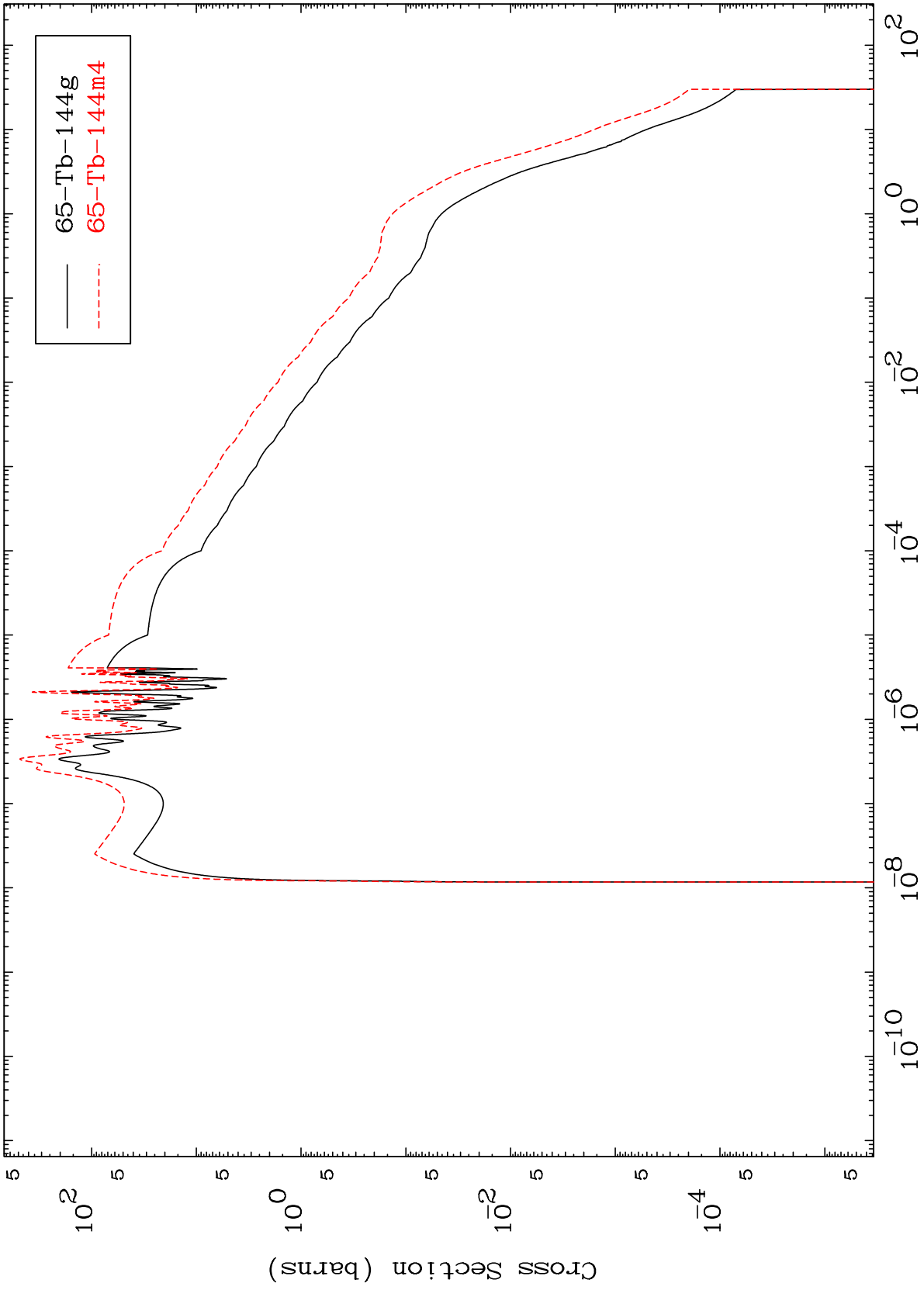
Incident Energy (MeV)

65-Tb-143

MAT 6477

65-Tb-143

(n,γ)  
Radionuclide Production Cross Section



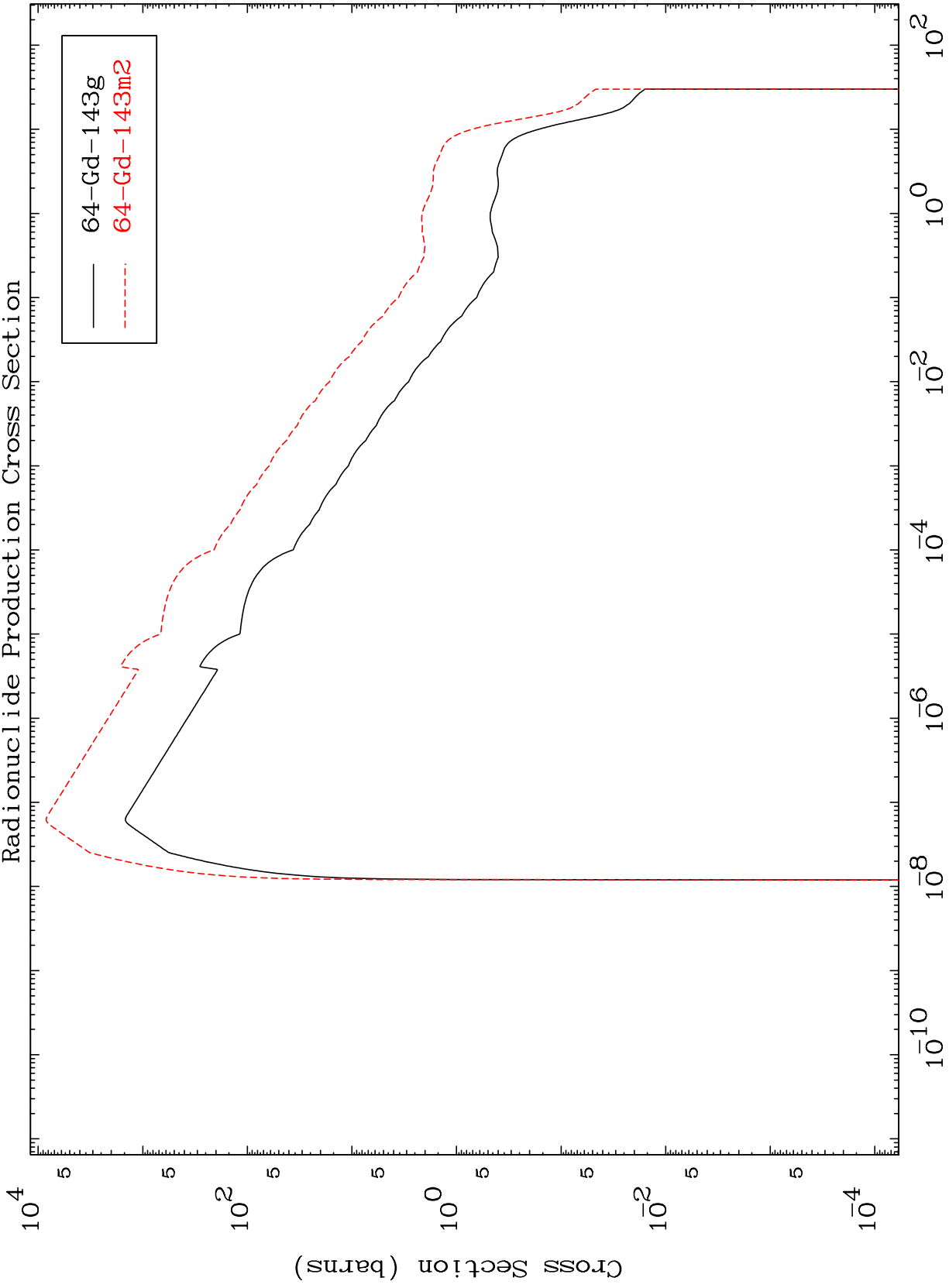
60

65-Tb-143

MAT 6477

65-Tb-143

(n,p)  
Radionuclide Production Cross Section



— 64-Gd-143g  
- - - 64-Gd-143m2

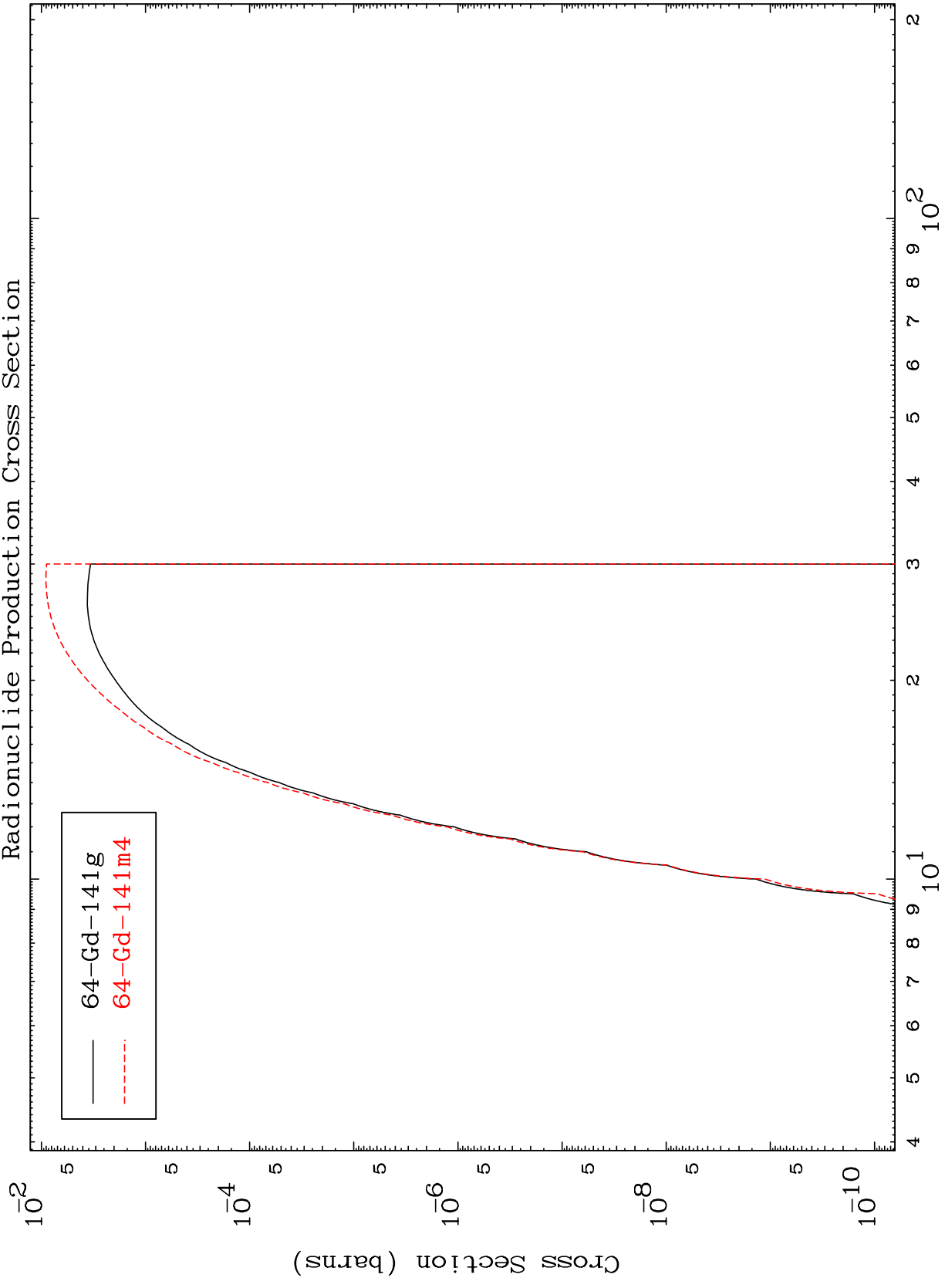
61

65-Tb-143

MAT 6477

65-Tb-143

Radionuclide Production Cross Section (n, t)



64-Gd-141 g  
64-Gd-141 m4

62

Incident Energy (MeV)

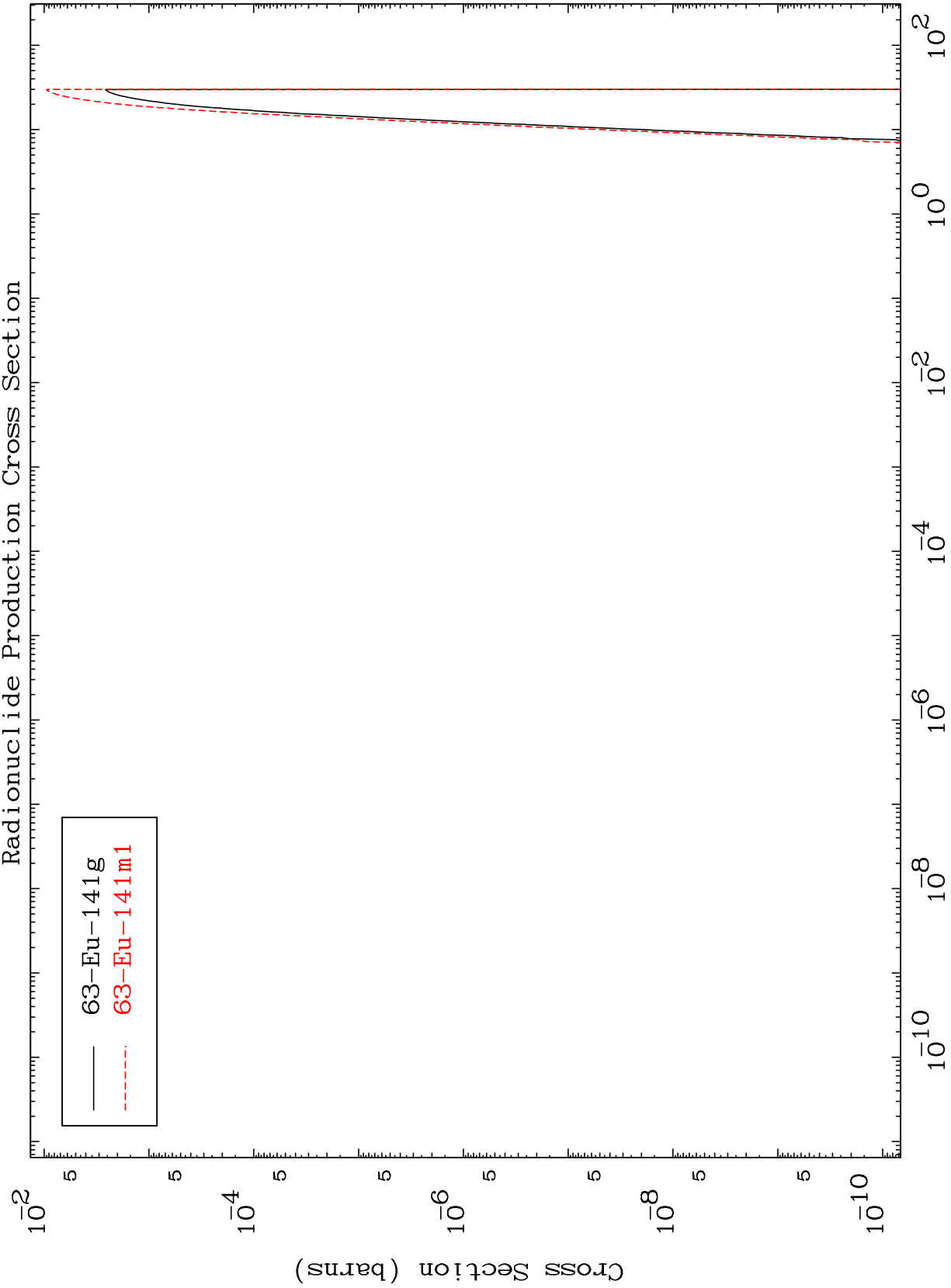
65-Tb-143

MAT 6477

(n, He-3)

65-Tb-143

Radionuclide Production Cross Section



63-Eu-141g  
63-Eu-141m1

63

Incident Energy (MeV)

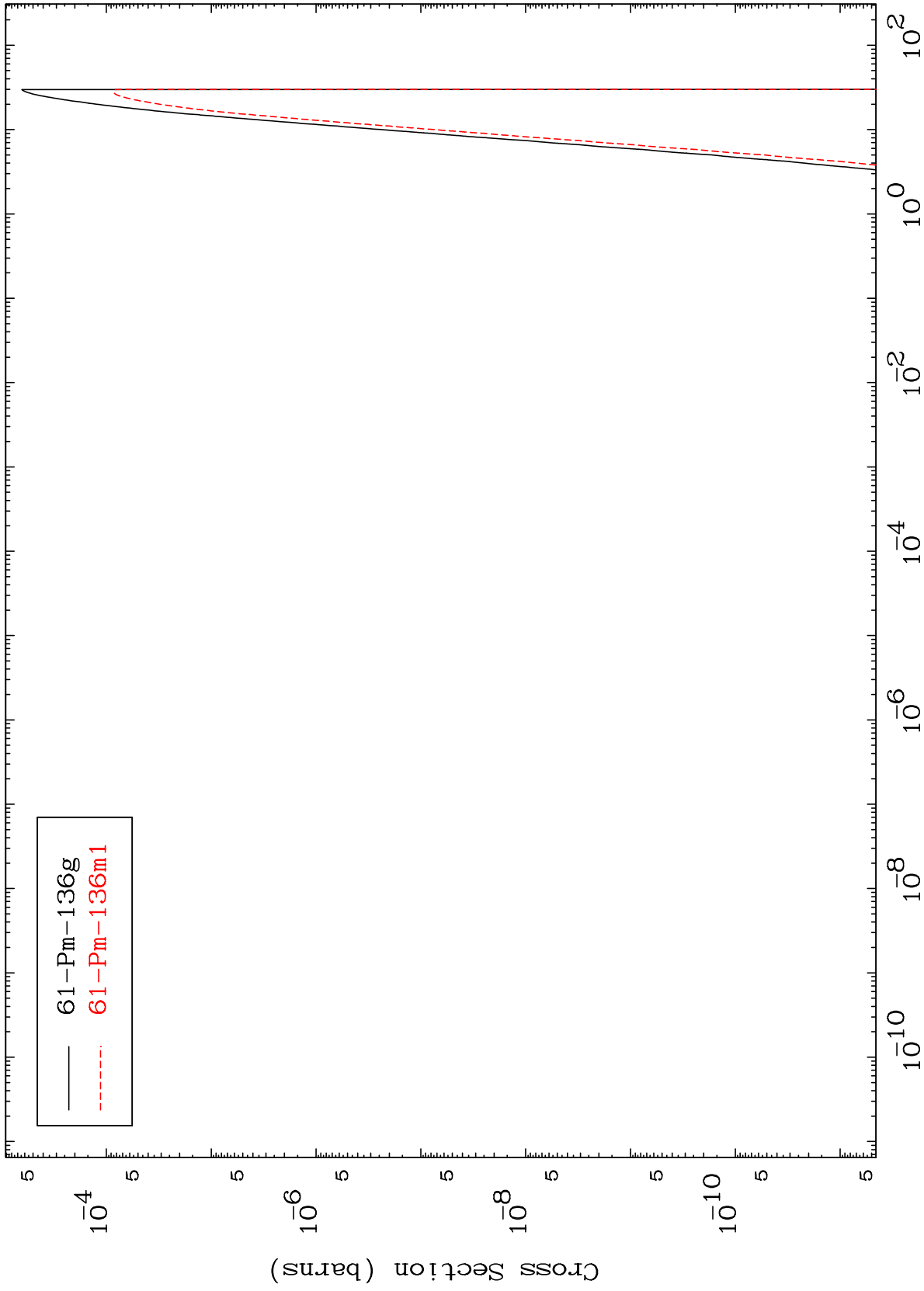
65-Tb-143

MAT 6477

(n,2α)

65-Tb-143

Radionuclide Production Cross Section



64

Incident Energy (MeV)

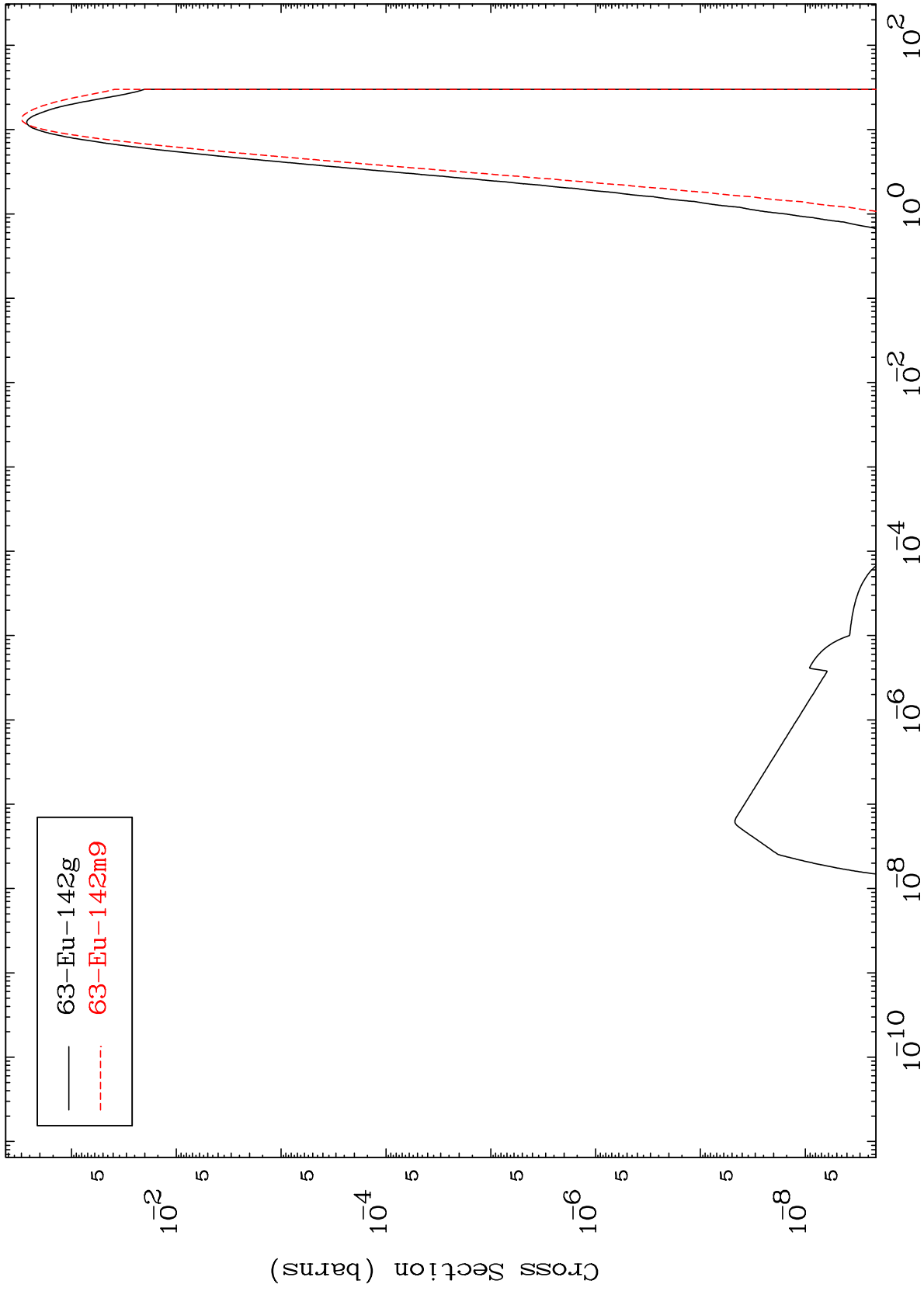
65-Tb-143

MAT 6477

(n,2p)

65-Tb-143

Radionuclide Production Cross Section



63-Eu-142g  
63-Eu-142m9

65

Incident Energy (MeV)

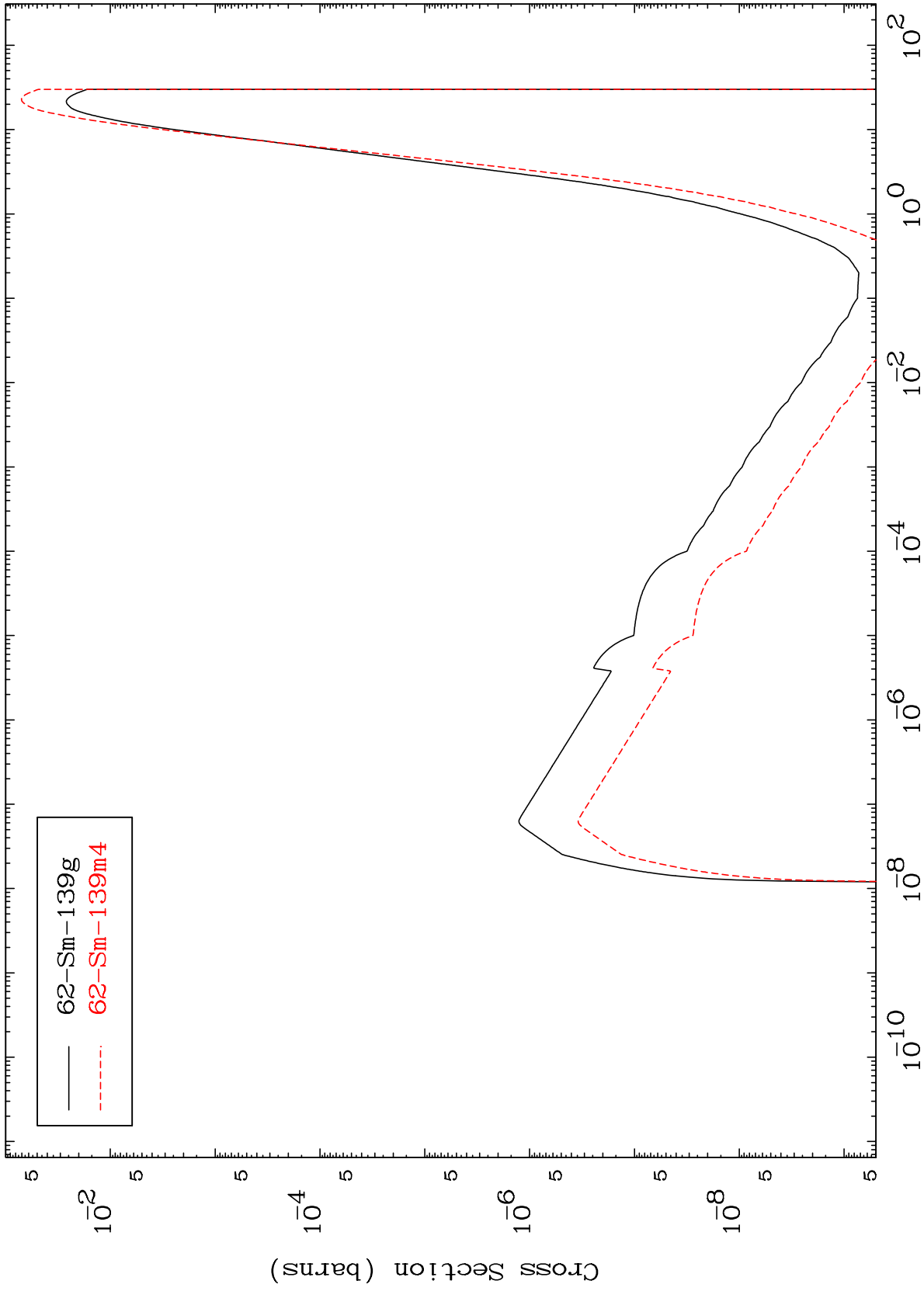
65-Tb-143

MAT 6477

(n,p)  $\alpha$

65-Tb-143

Radionuclide Production Cross Section



66

Incident Energy (MeV)

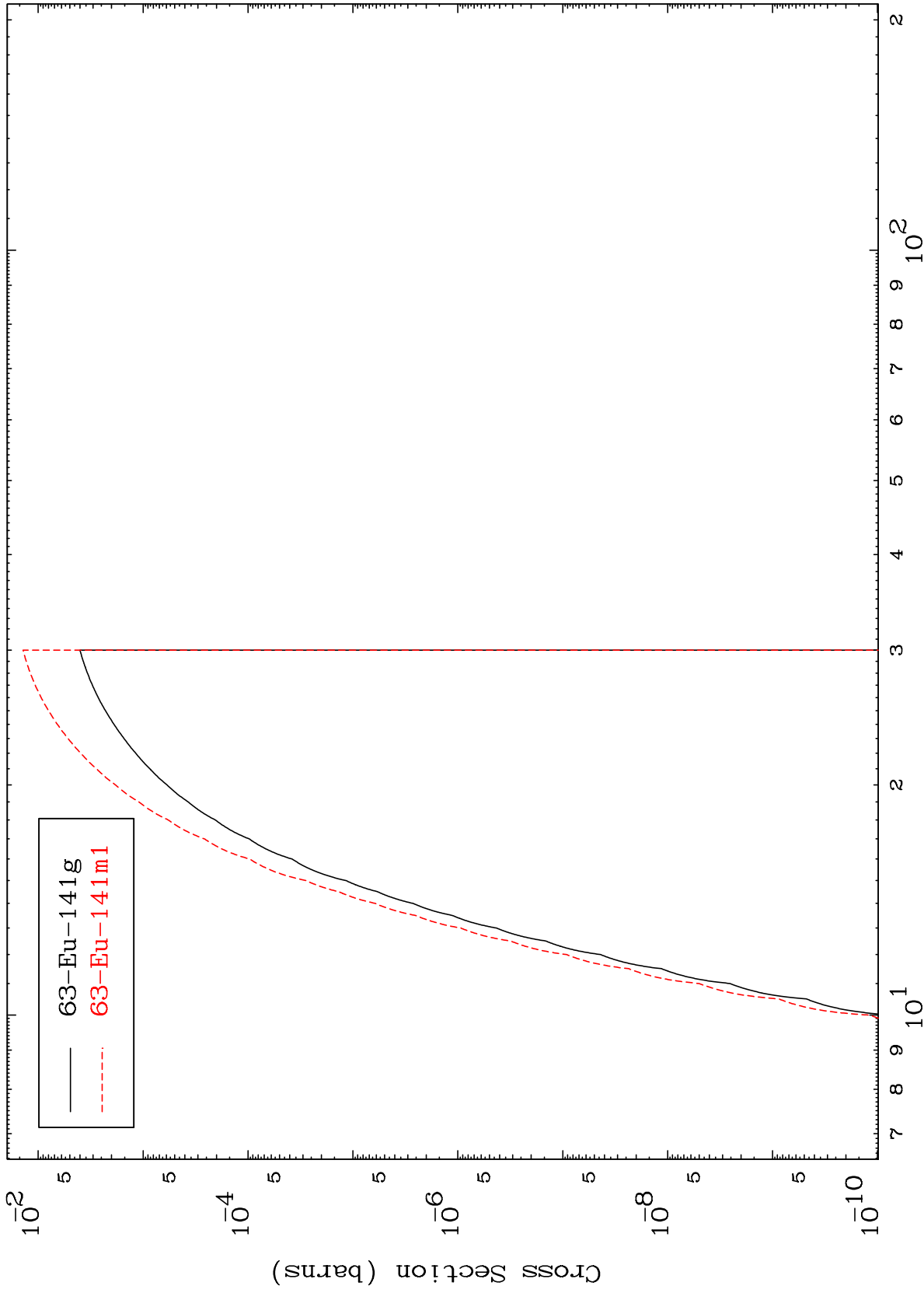
65-Tb-143

MAT 6477

(n,p) d

65-Tb-143

Radionuclide Production Cross Section



67

Incident Energy (MeV)

65-Tb-143