

Program EVALPLOT
(Version 2021-1)

by

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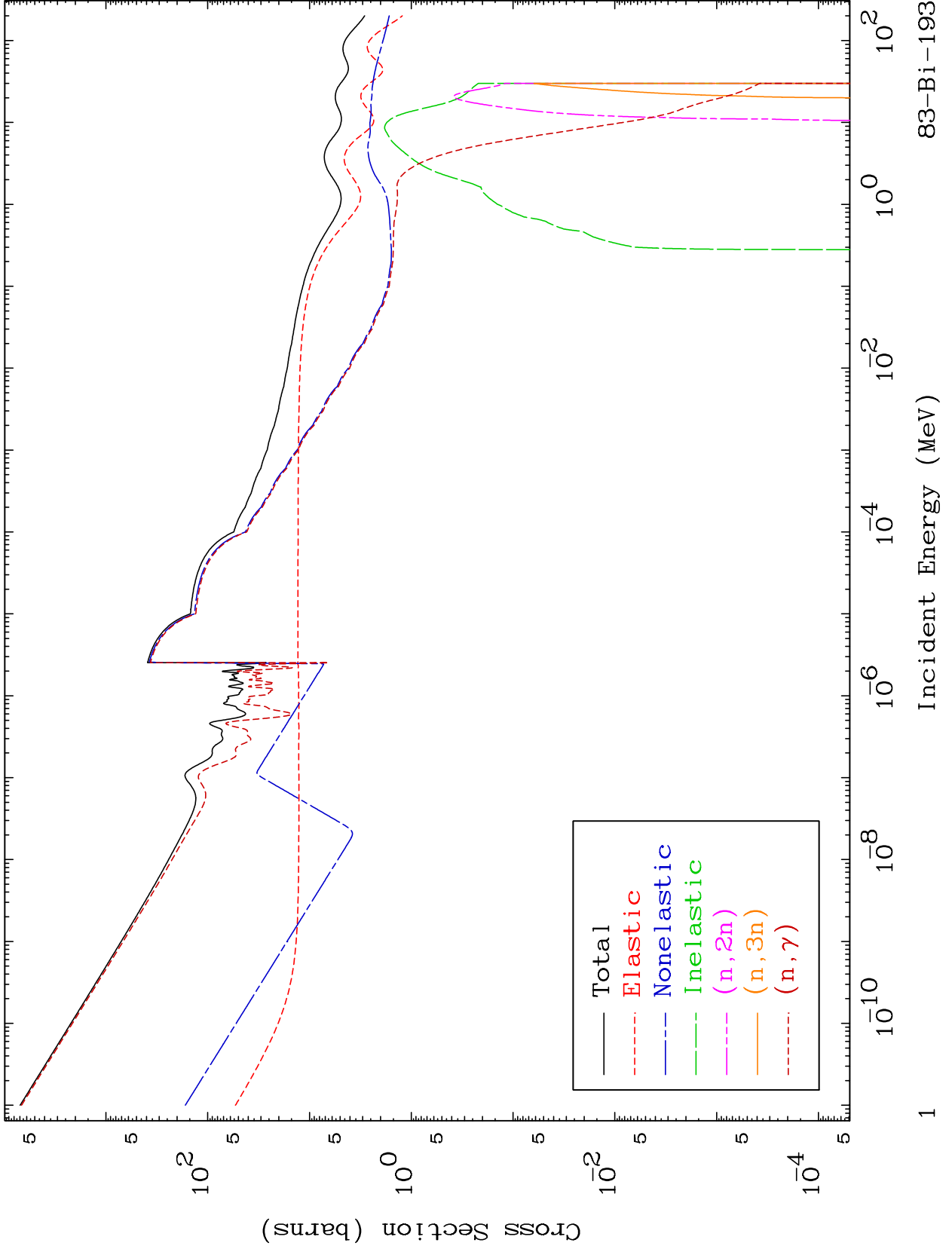
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Press Mouse Button to Start

MAT 8277

Neutron Major
293 Kelvin Cross Sections

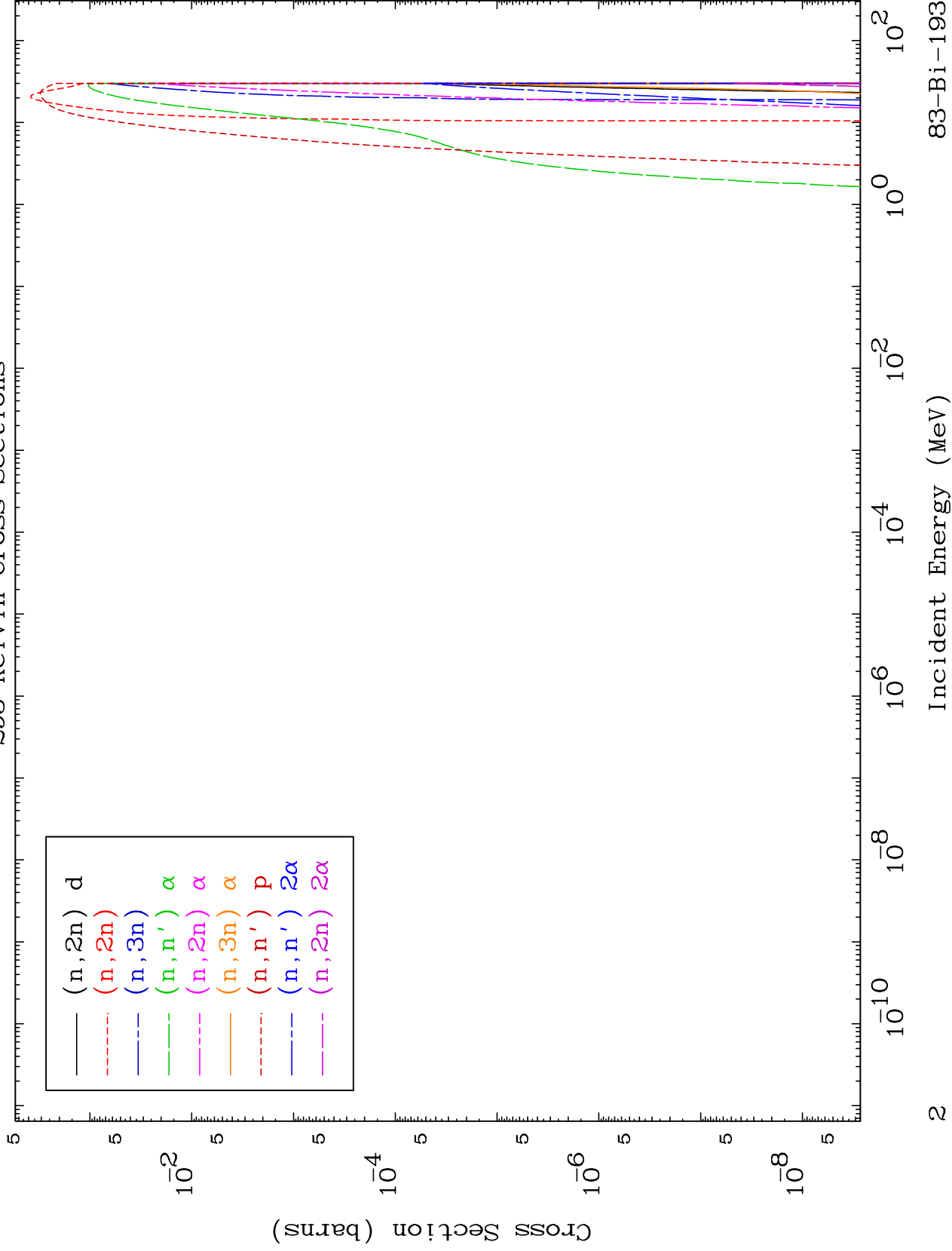
83-Bi-193

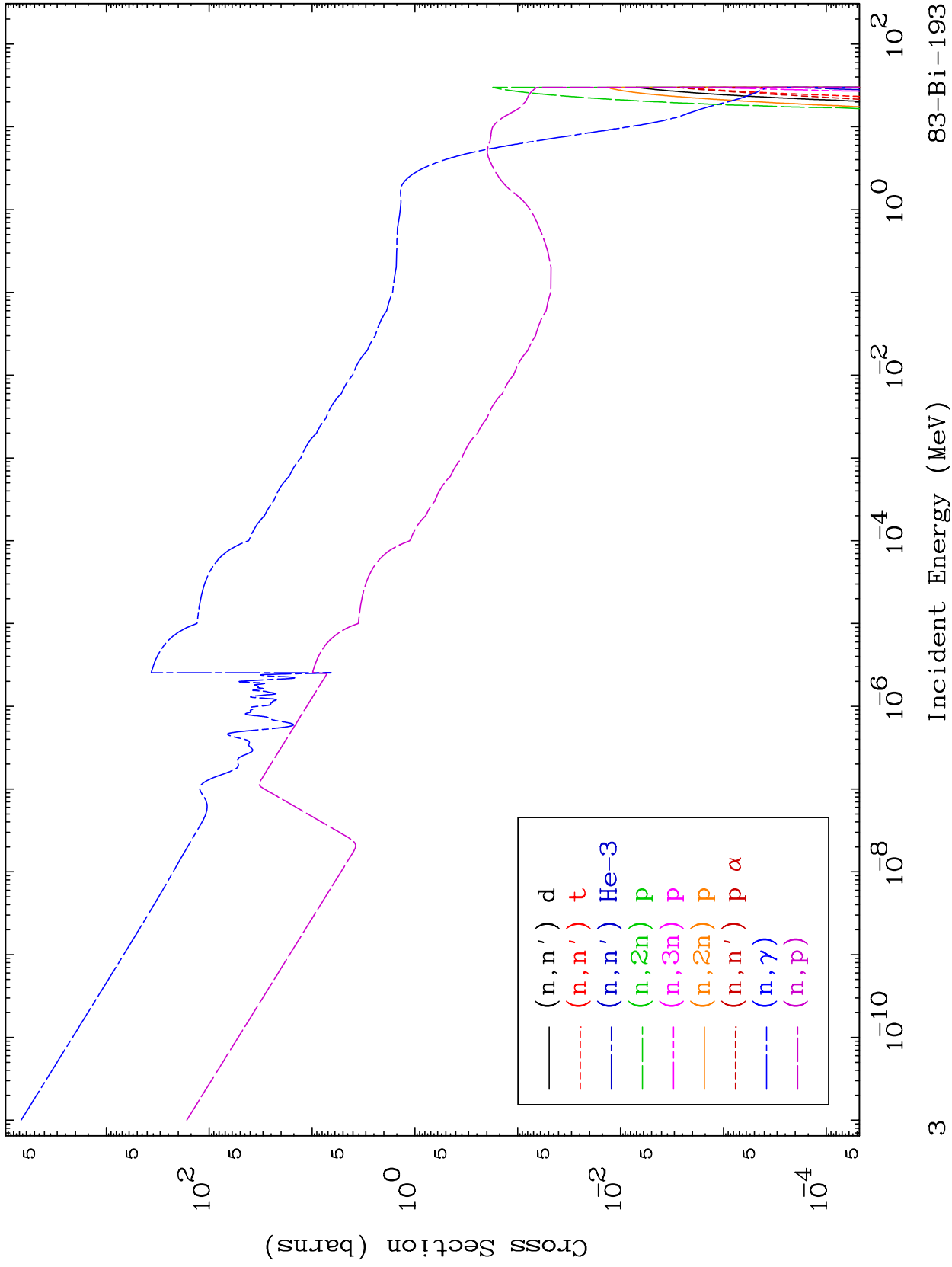


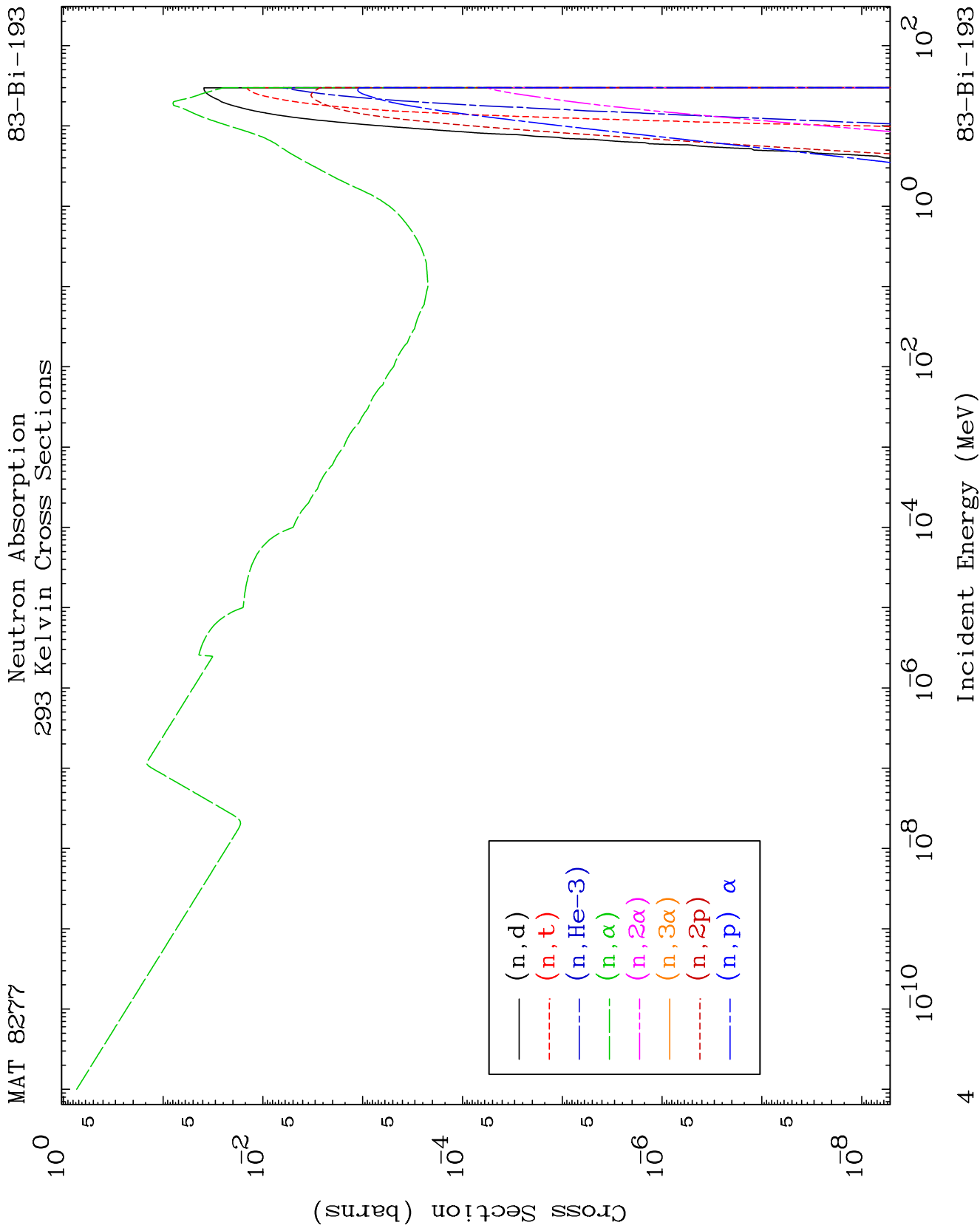
MAT 8277

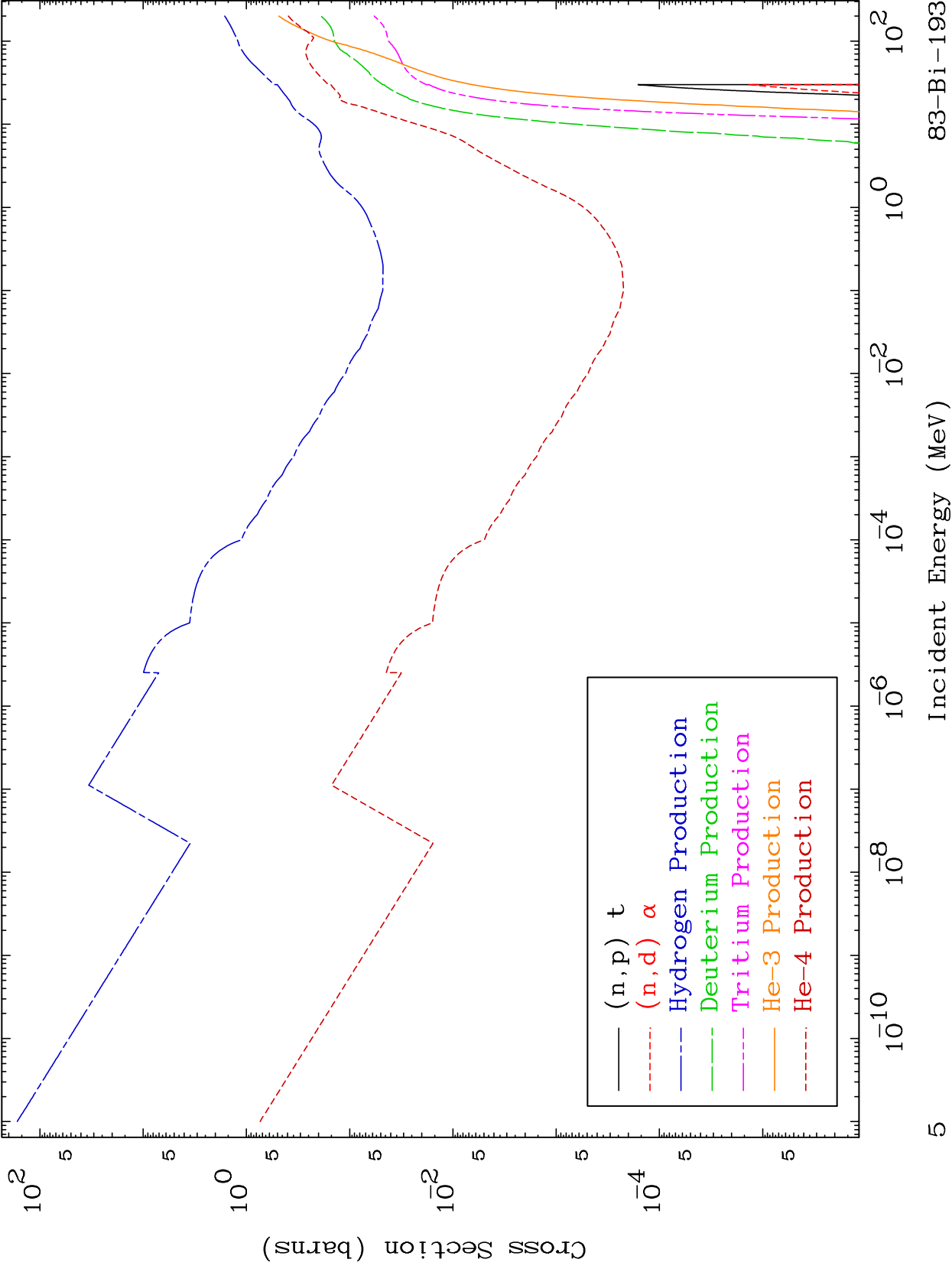
Neutron Absorption
293 Kelvin Cross Sections

83-Bi-193





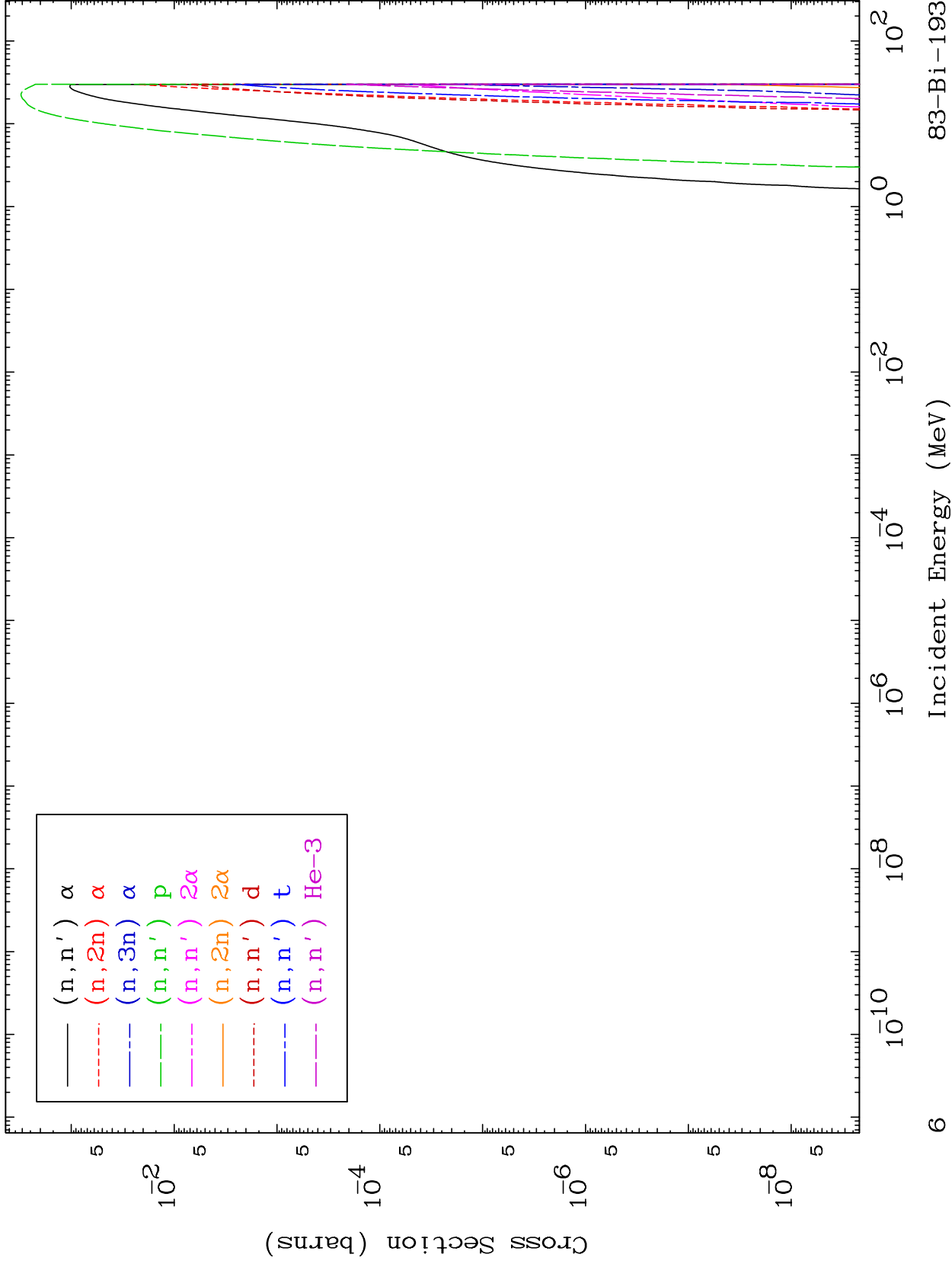




MAT 8277

Charged Particle
293 Kelvin Cross Sections

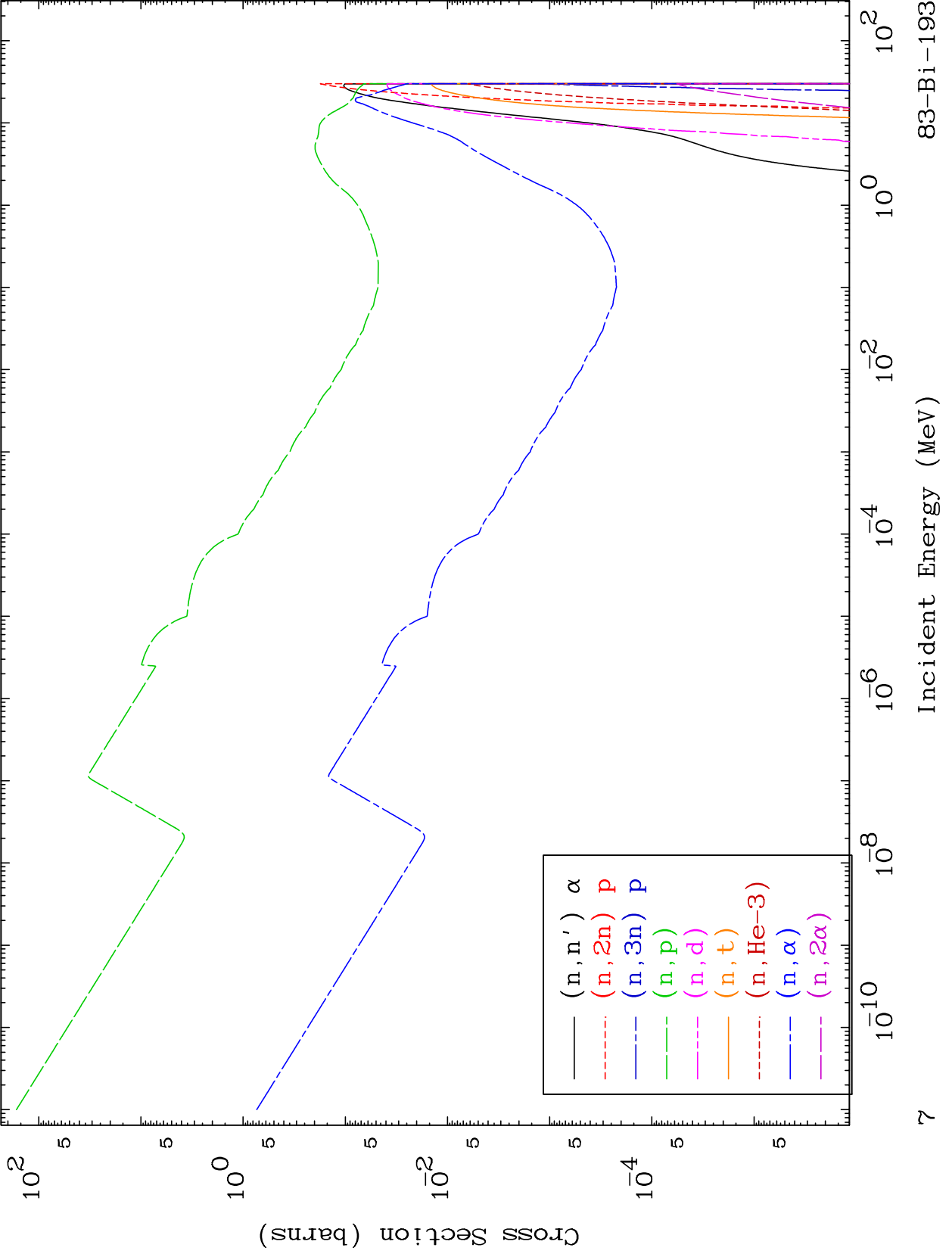
83-Bi-193

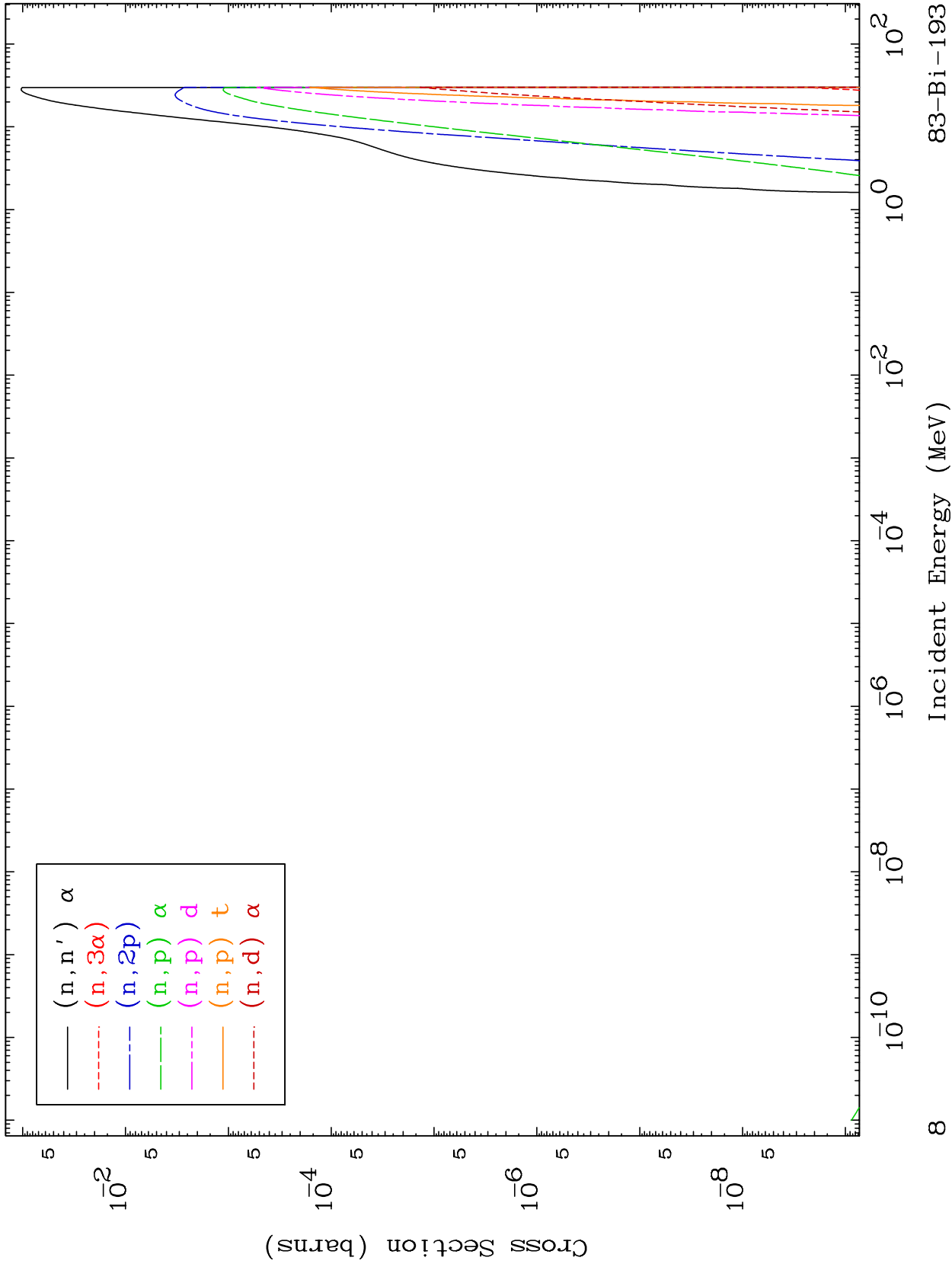


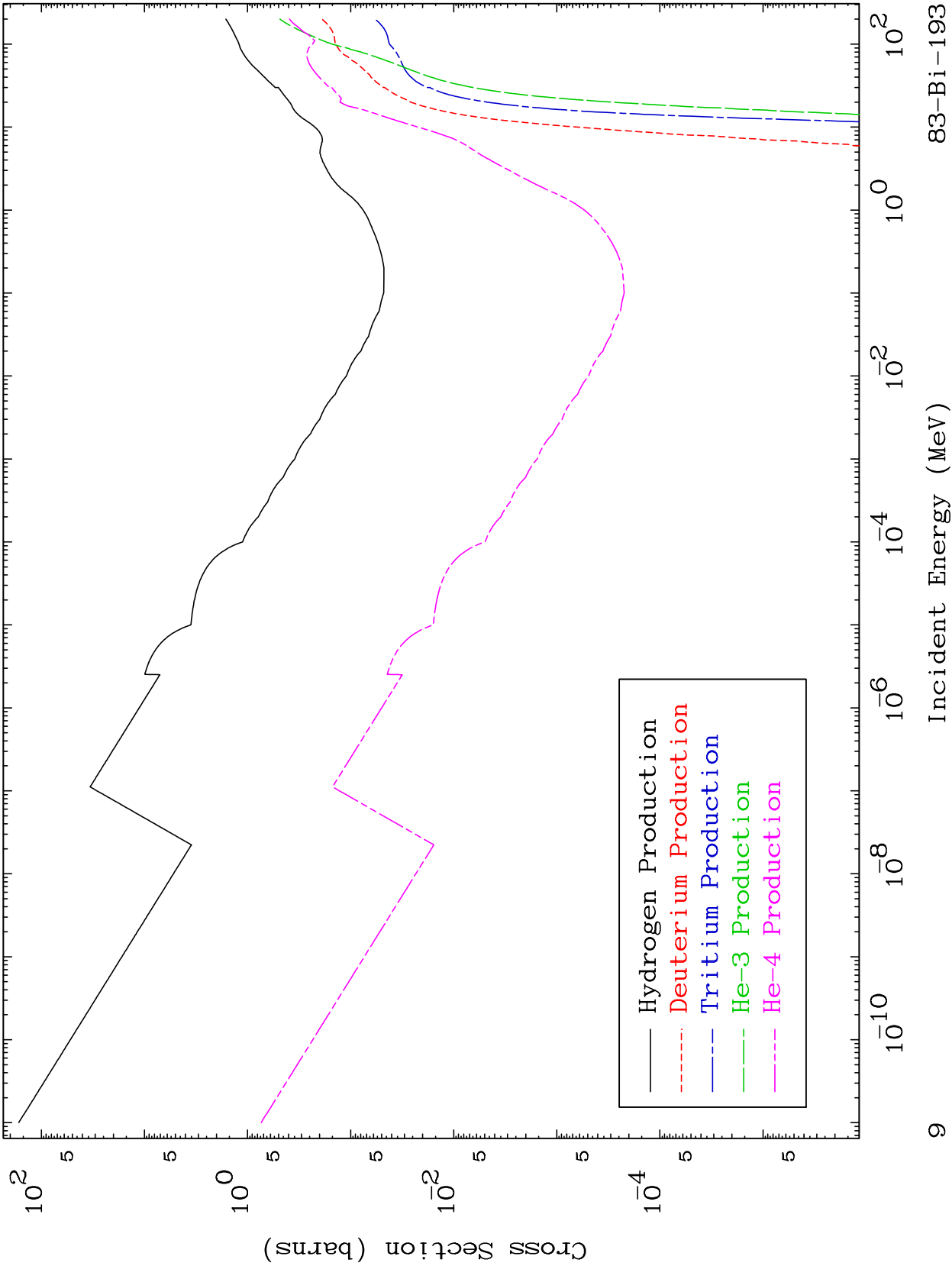
MAT 8277

Charged Particle
293 Kelvin Cross Sections

83-Bi-193





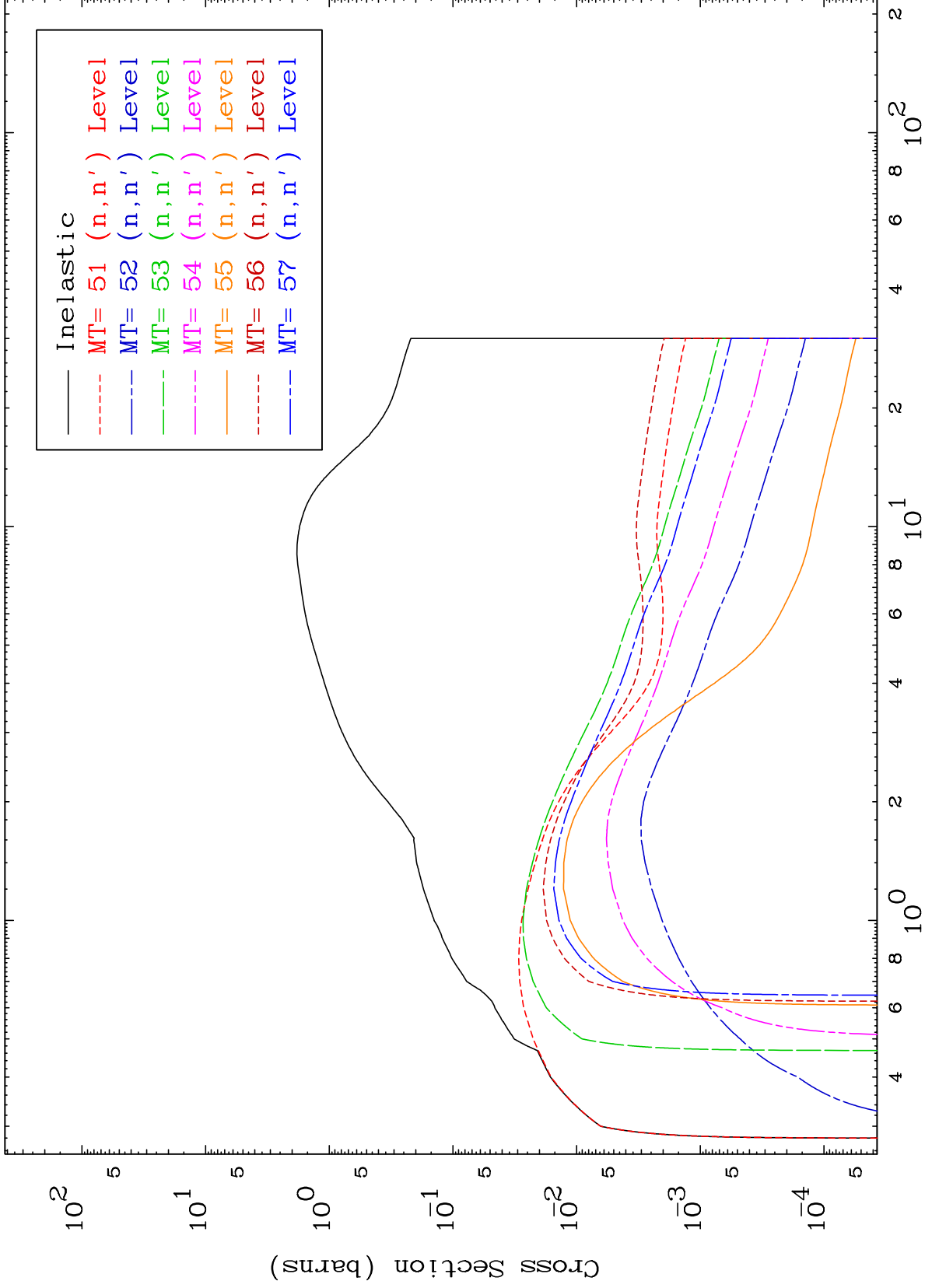


MAT 8277

(n,n') Levels

83-Bi-193

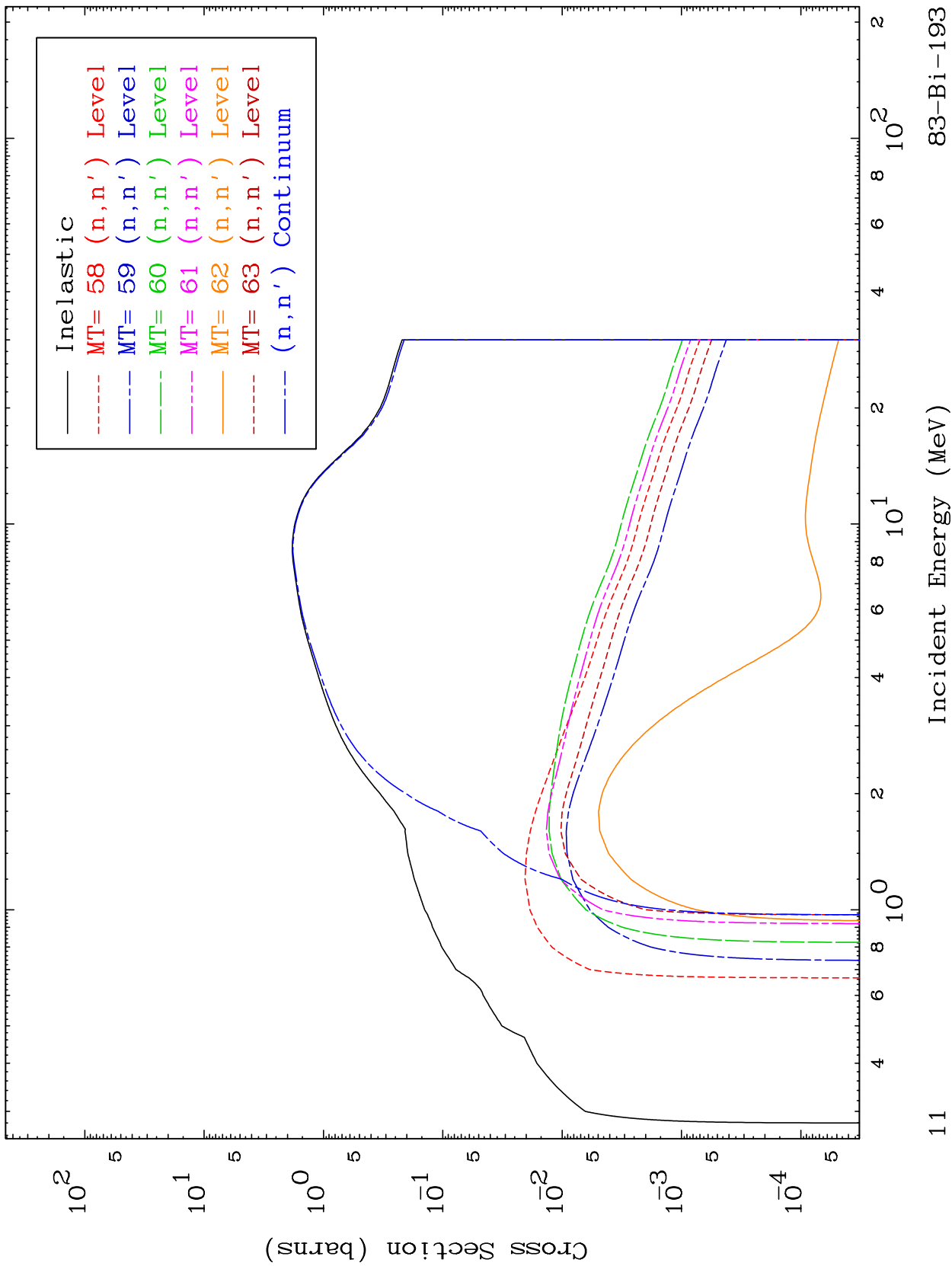
293 Kelvin Cross Sections



10

Incident Energy (MeV)

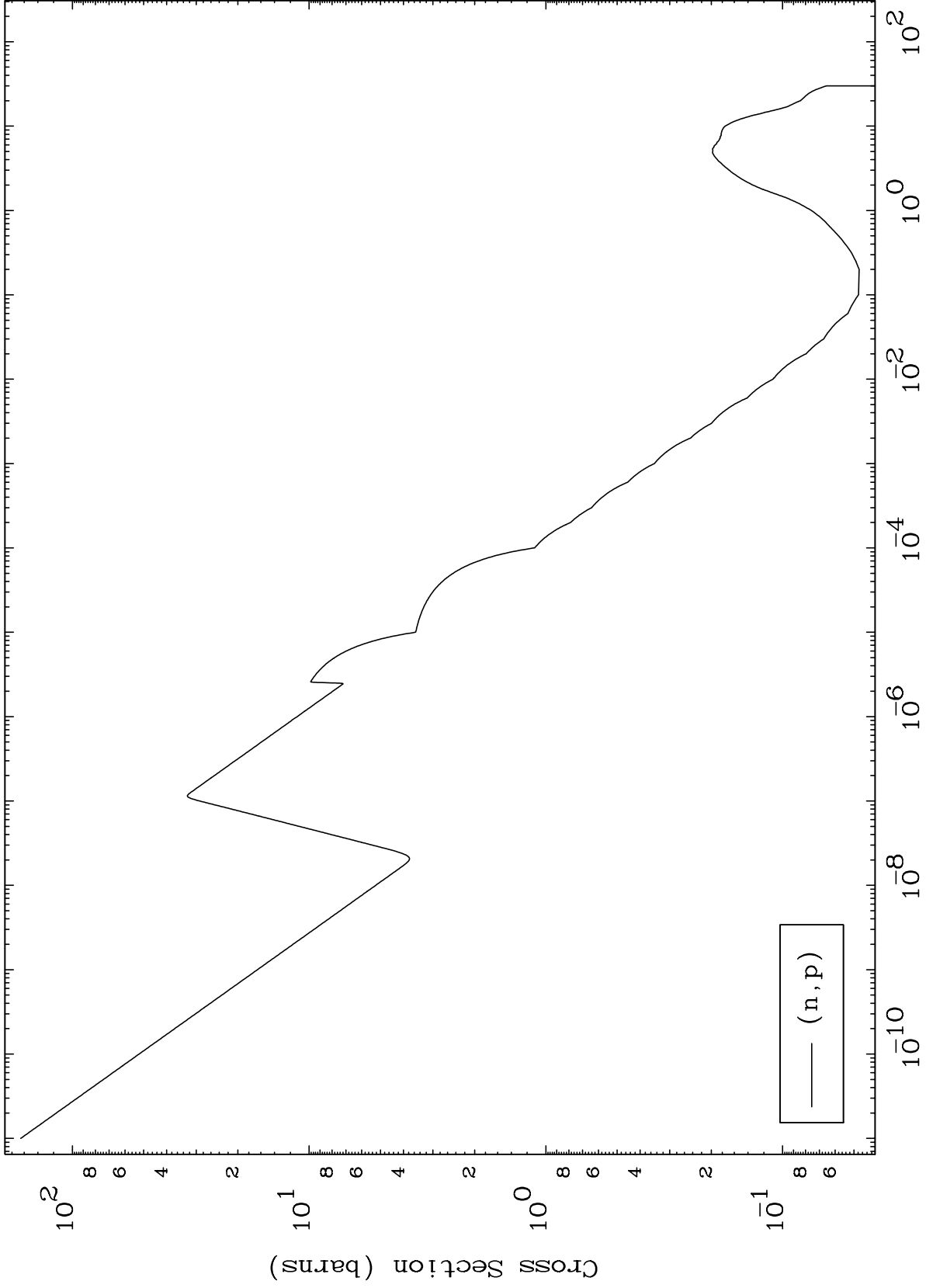
83-Bi-193



MAT 8277

(n,p) Levels
293 Kelvin Cross Sections

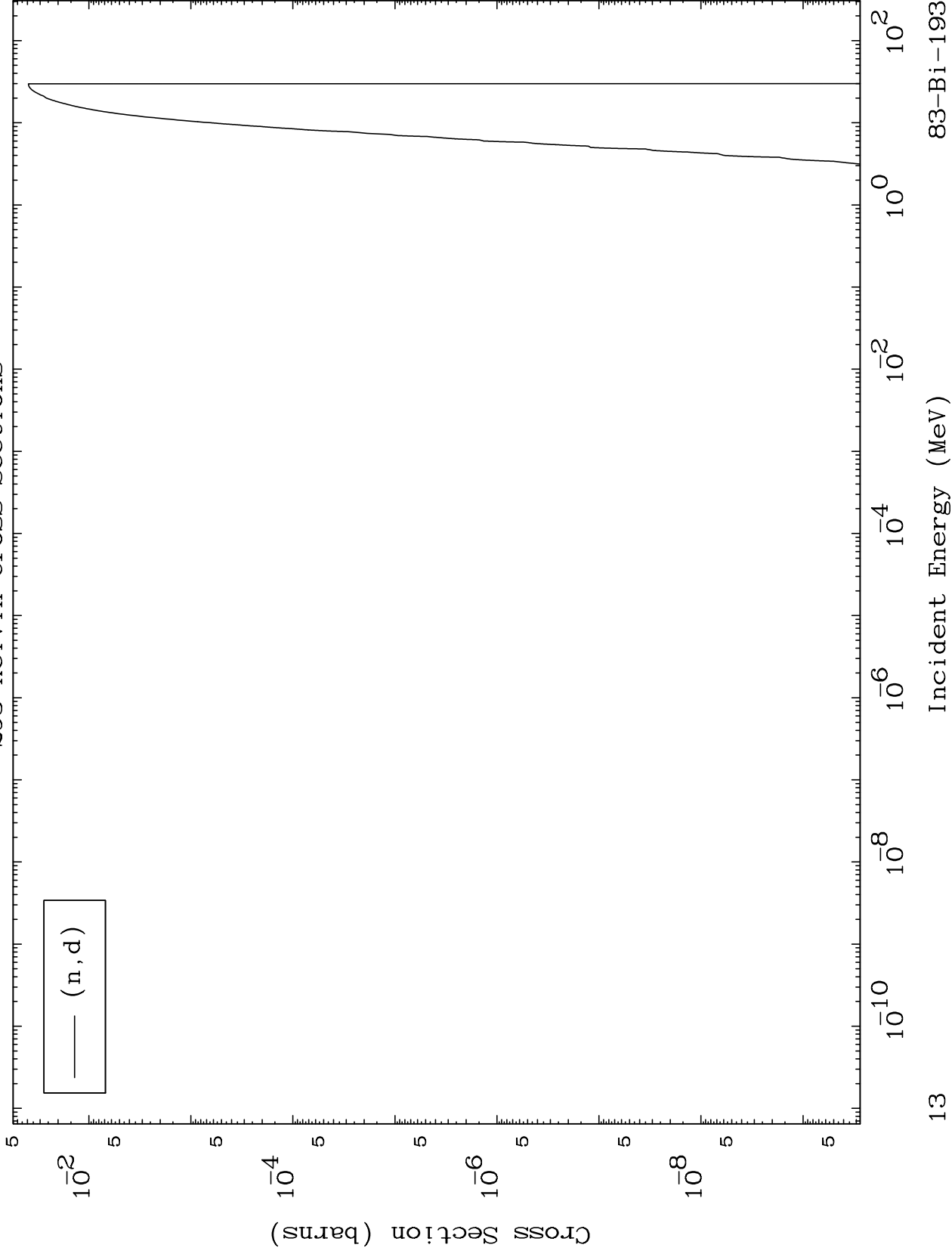
83-Bi-193



MAT 8277

(n,d) Levels
293 Kelvin Cross Sections

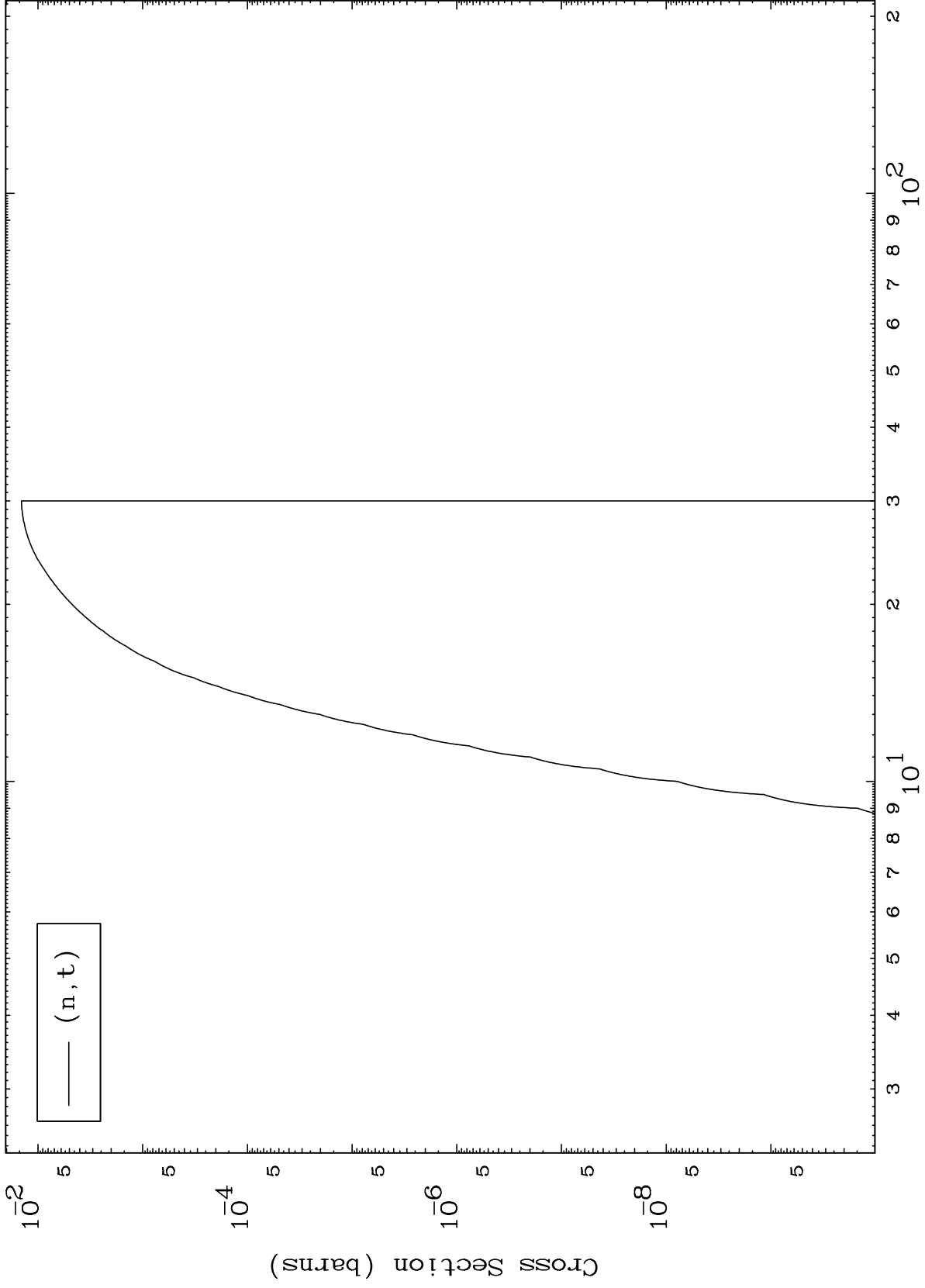
83-Bi-193



MAT 8277

(n,t) Levels
293 Kelvin Cross Sections

83-Bi-193



14

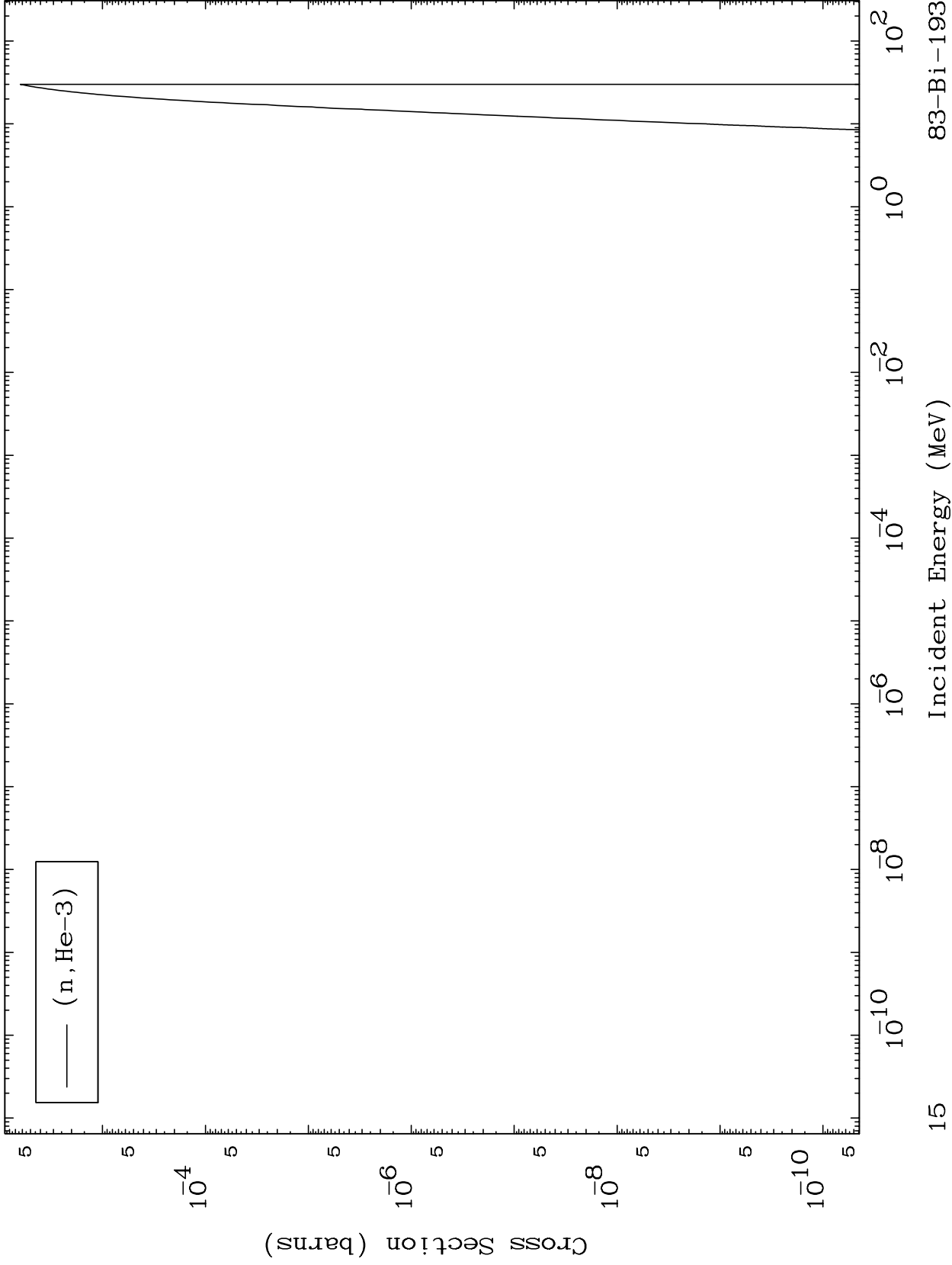
Incident Energy (MeV)

83-Bi-193

MAT 8277

(n,He3) Levels
293 Kelvin Cross Sections

83-Bi-193



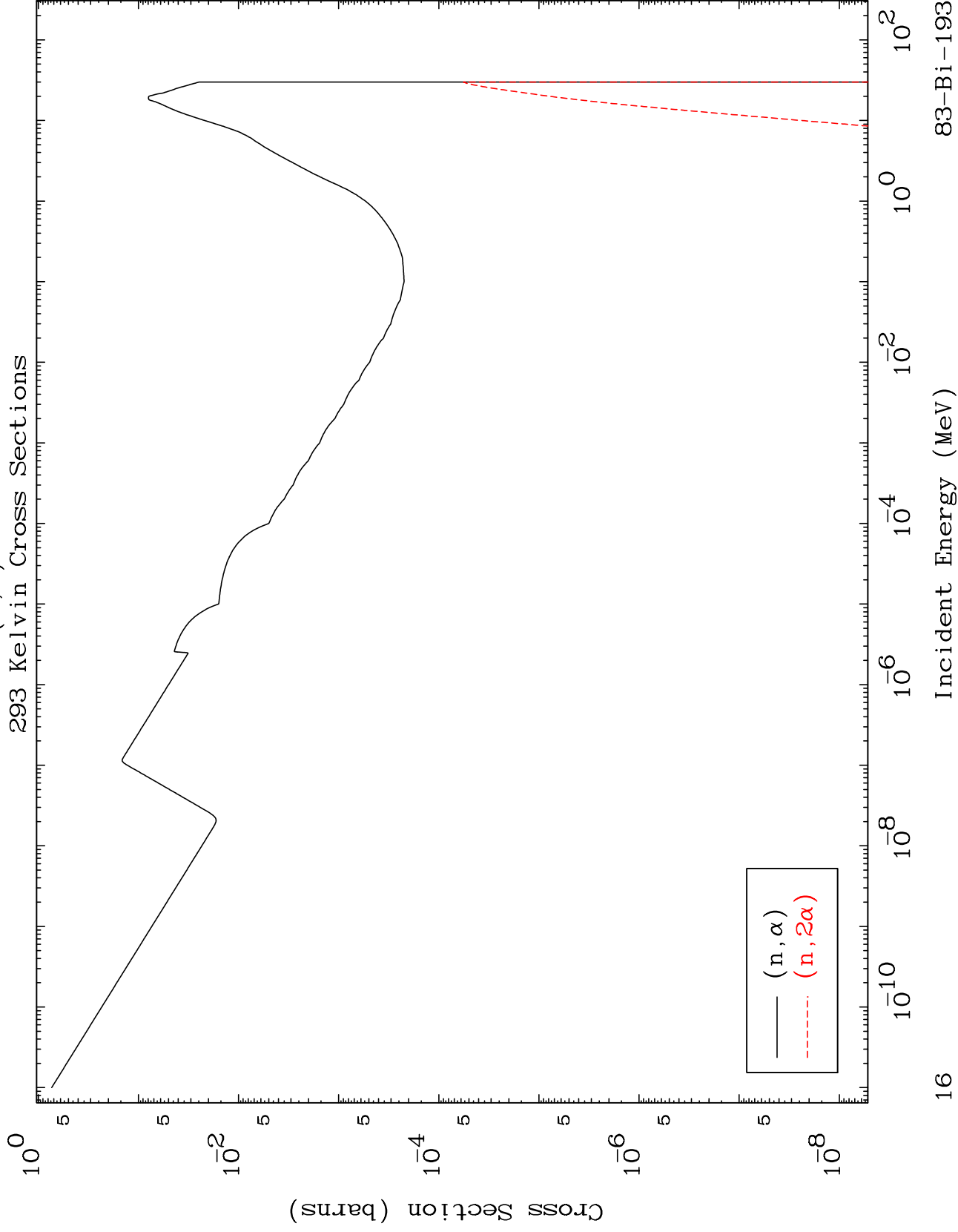
15

83-Bi-193

MAT 8277

(n,α) Levels
293 Kelvin Cross Sections

83-Bi-193



16

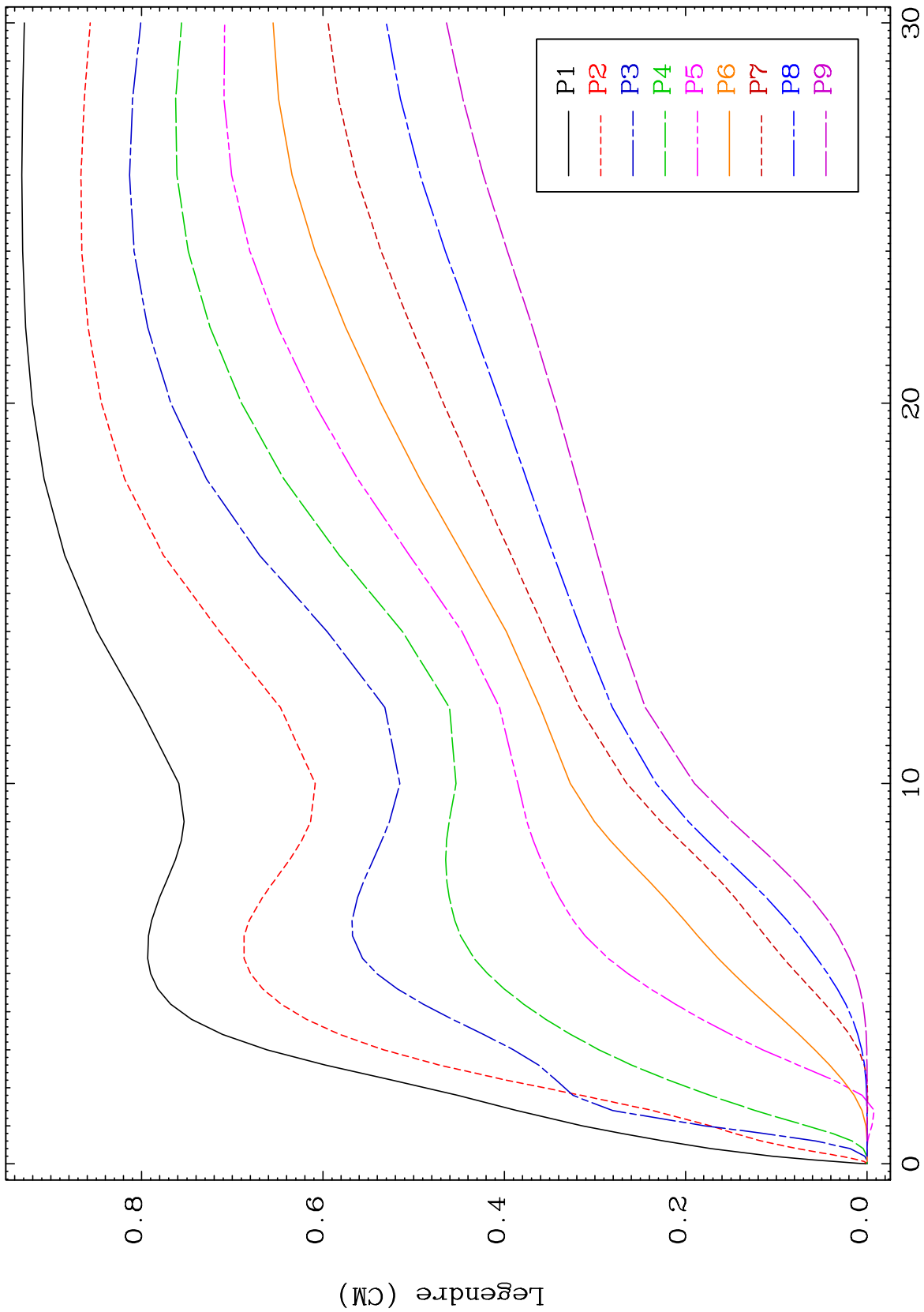
Incident Energy (MeV)

83-Bi-193

MAT 8277

83-Bi-193

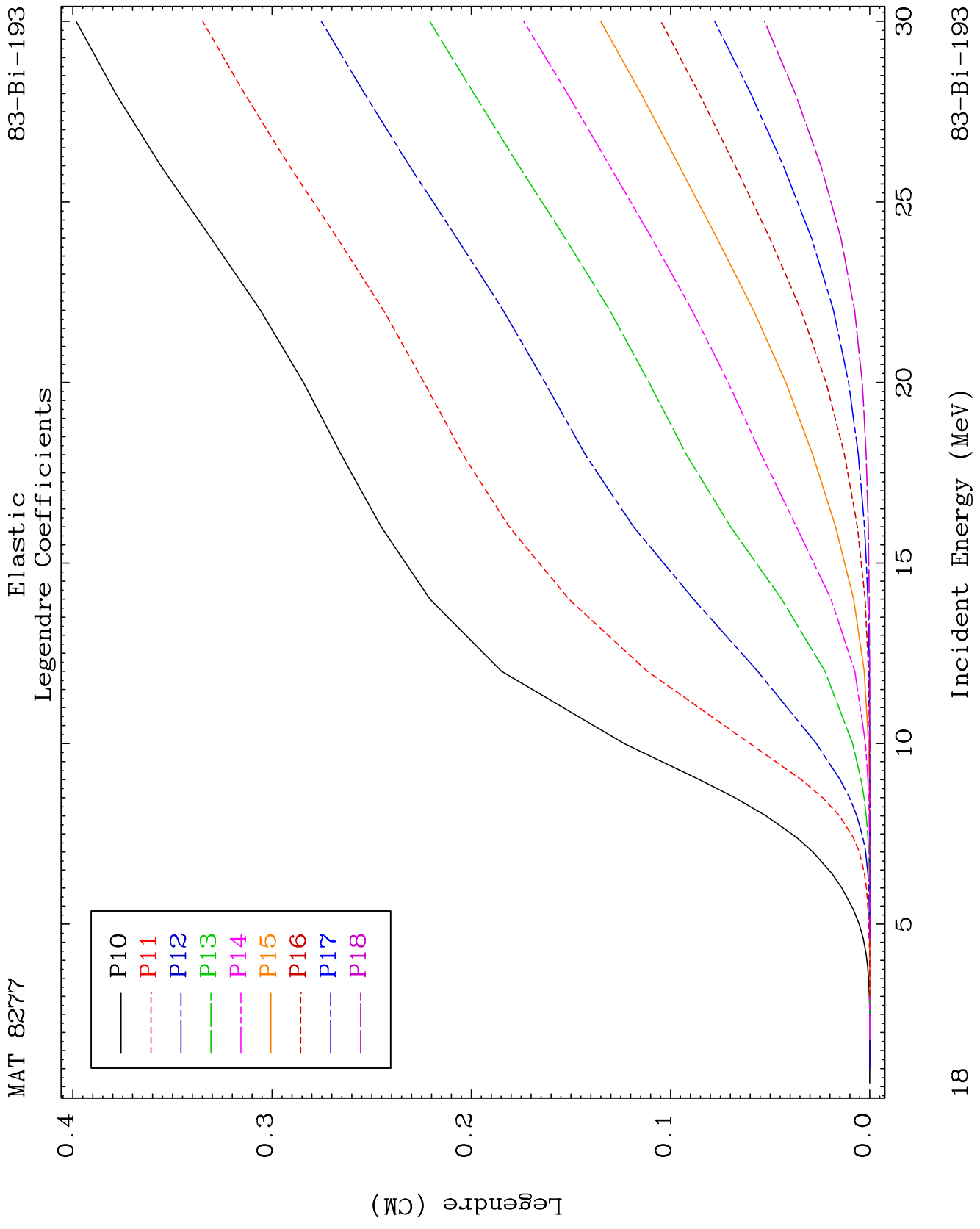
Elastic Legendre Coefficients



17

Incident Energy (MeV)

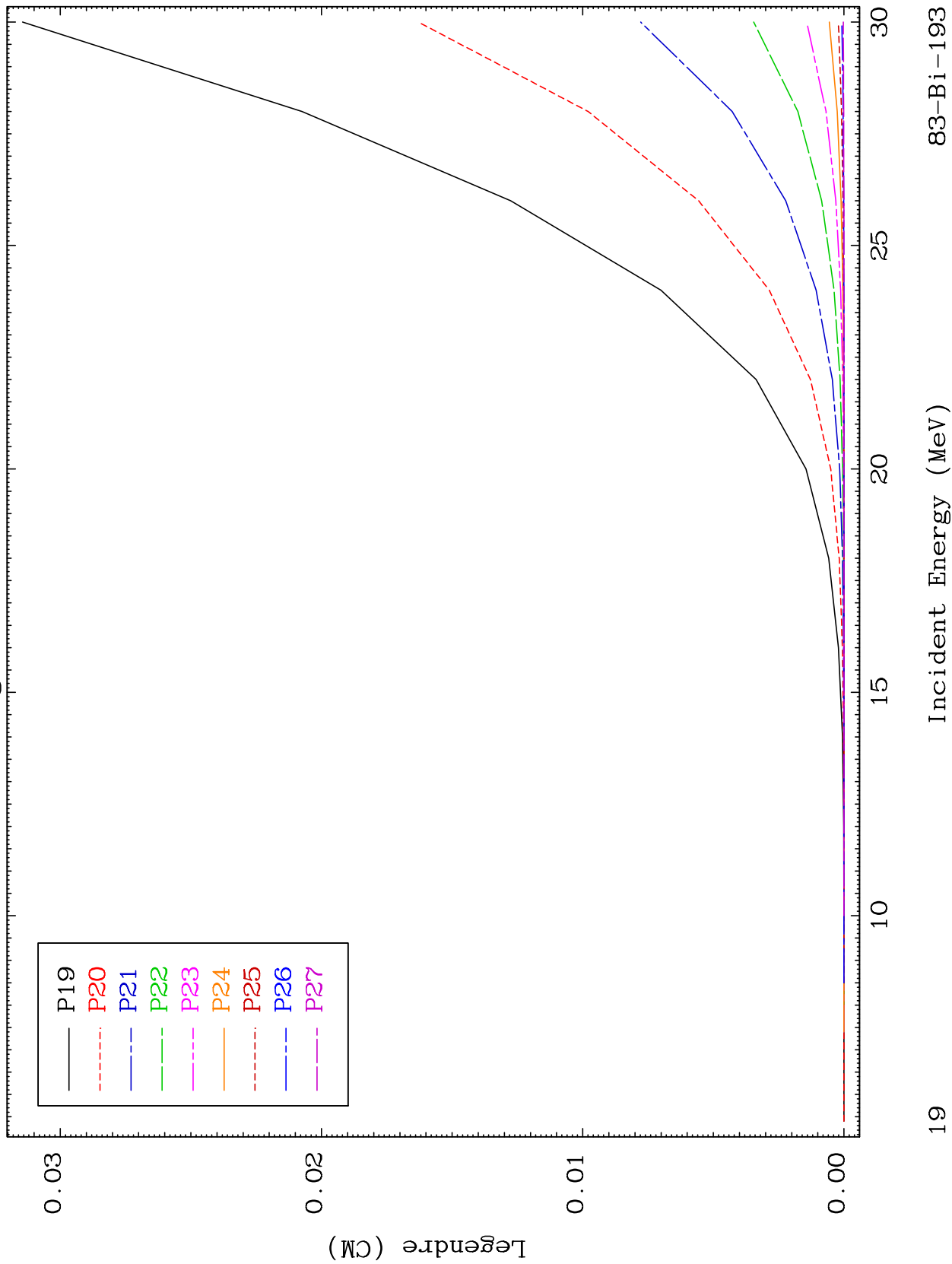
83-Bi-193



MAT 8277

Elastic Legendre Coefficients

83-Bi-193



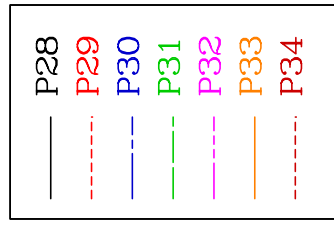
19

83-Bi-193

MAT 8277

Elastic
Legendre Coefficients

83-Bi-193



$\times 10^{-6}$

Legendre (CM)

10

15

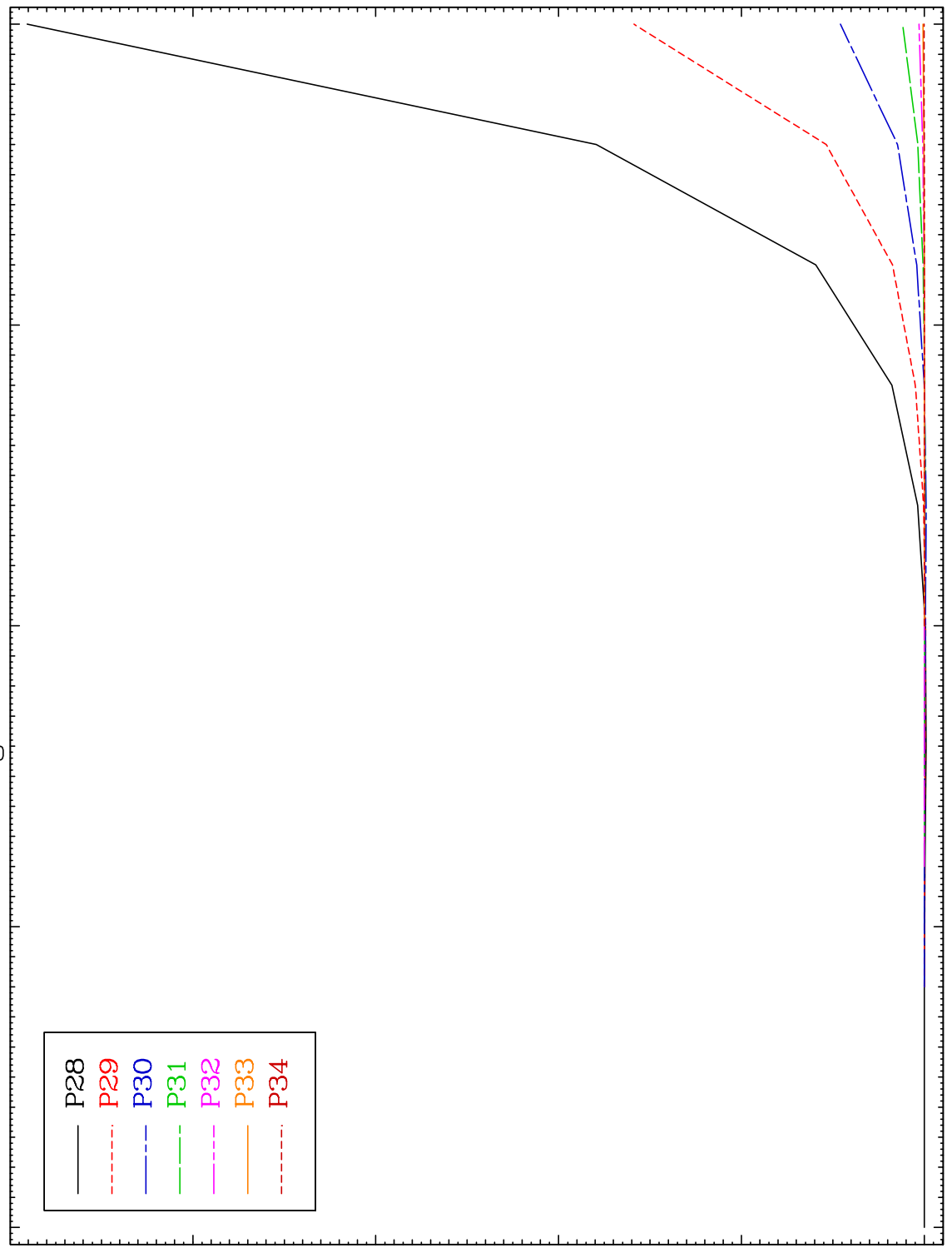
20

25

30

Incident Energy (MeV)

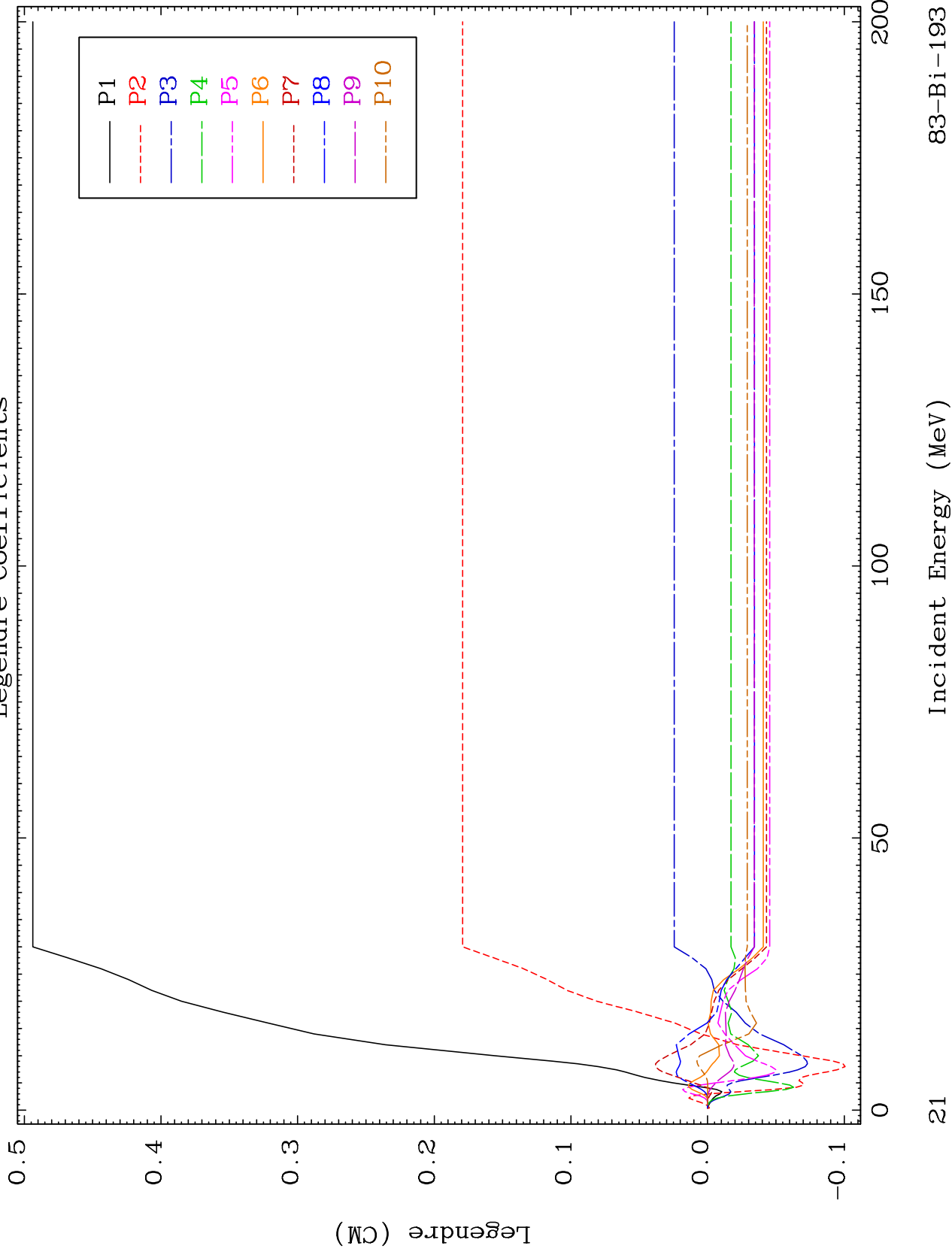
83-Bi-193



MAT 8277

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

83-Bi-193



83-Bi-193

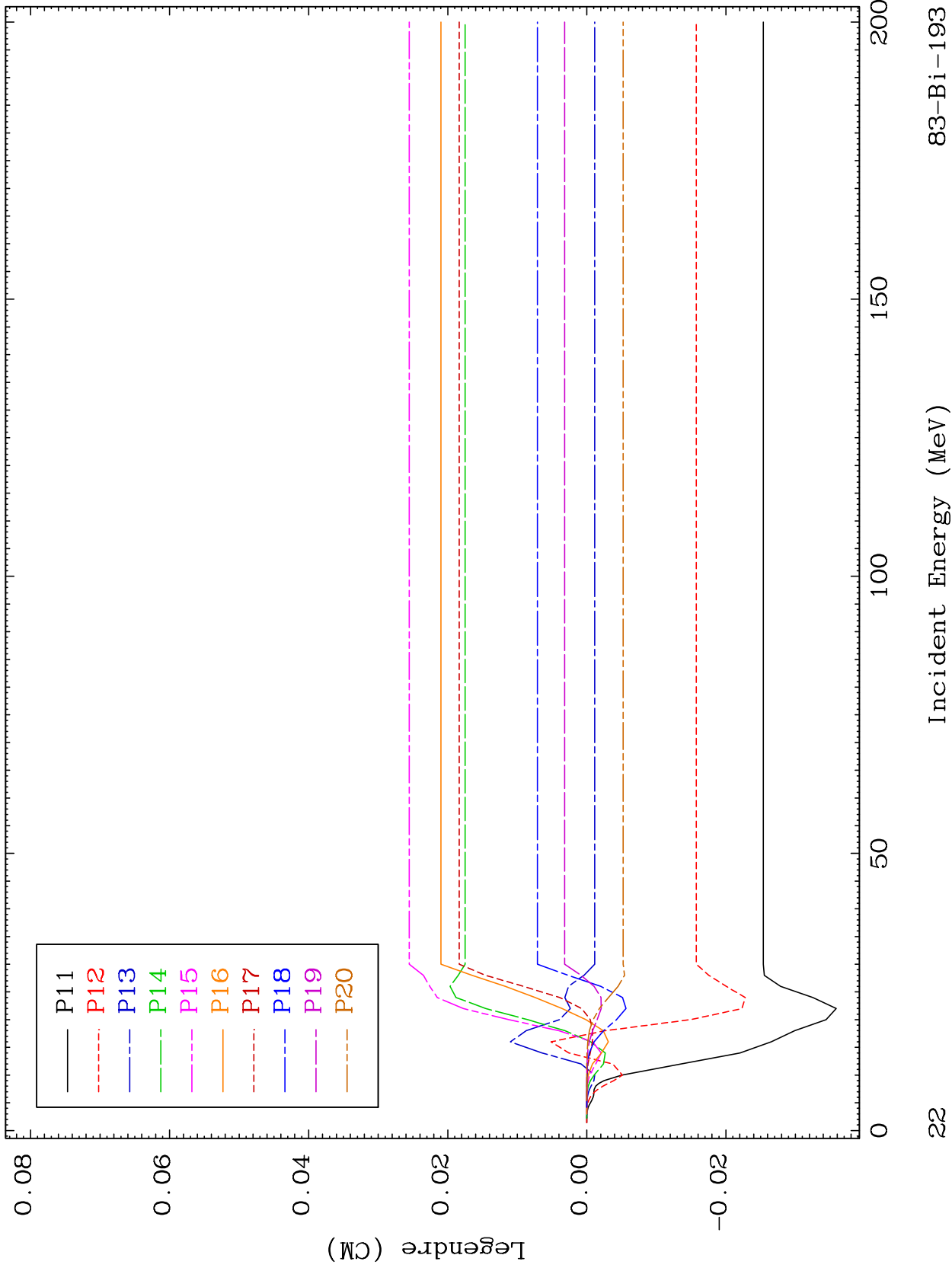
Incident Energy (MeV)

21

MAT 8277

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

83-Bi-193

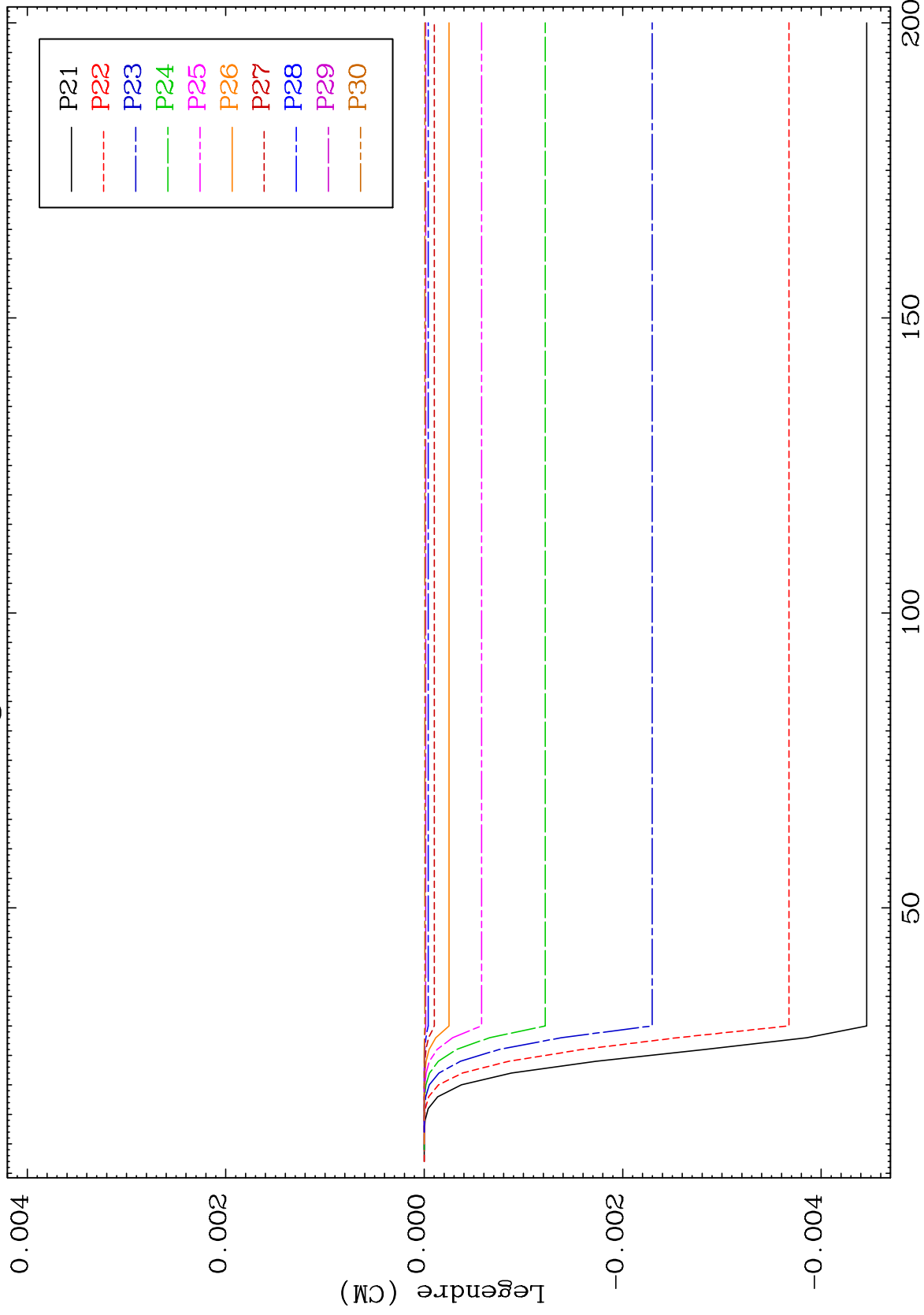


22

MAT 8277

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

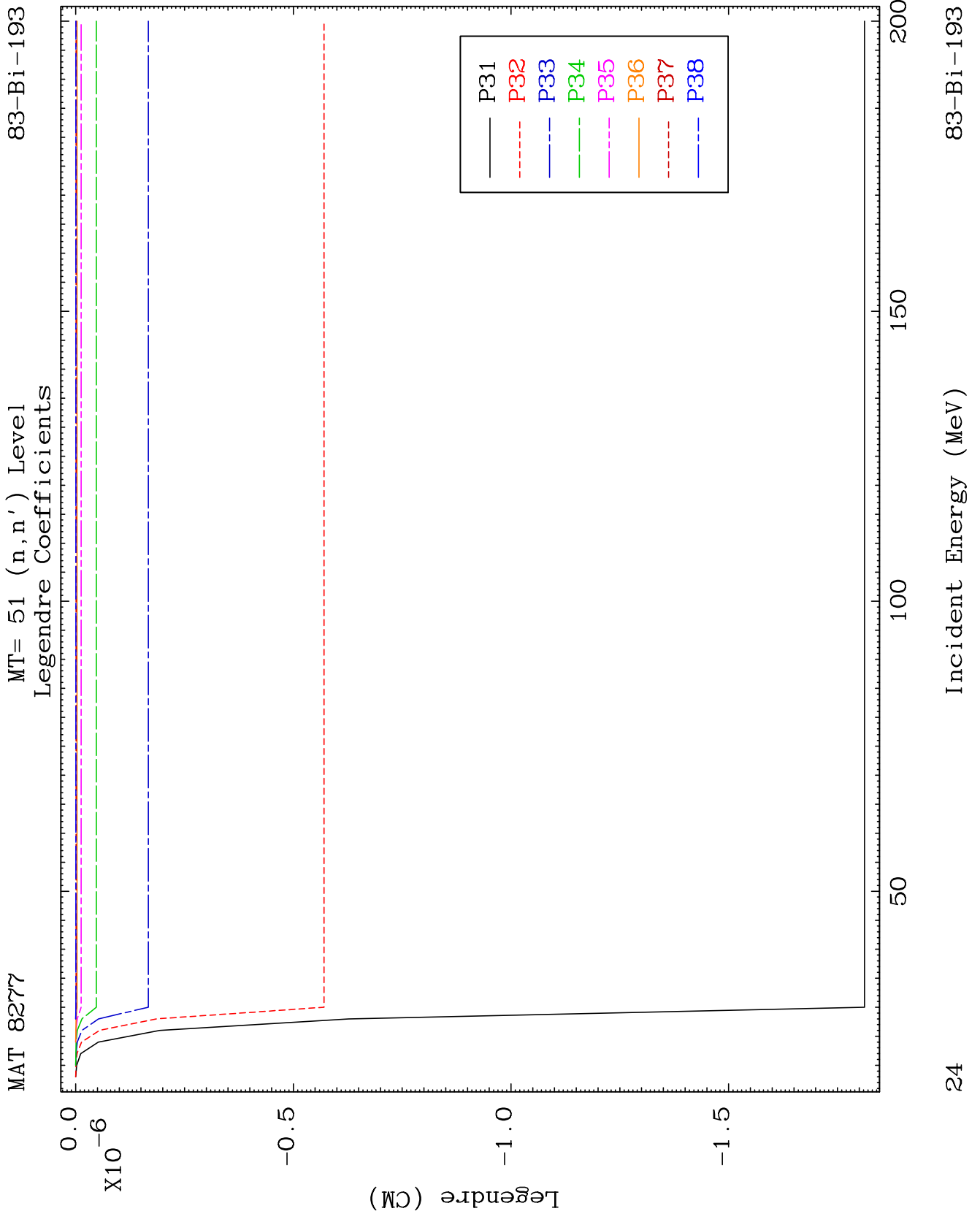
83-Bi-193



23

Incident Energy (MeV)

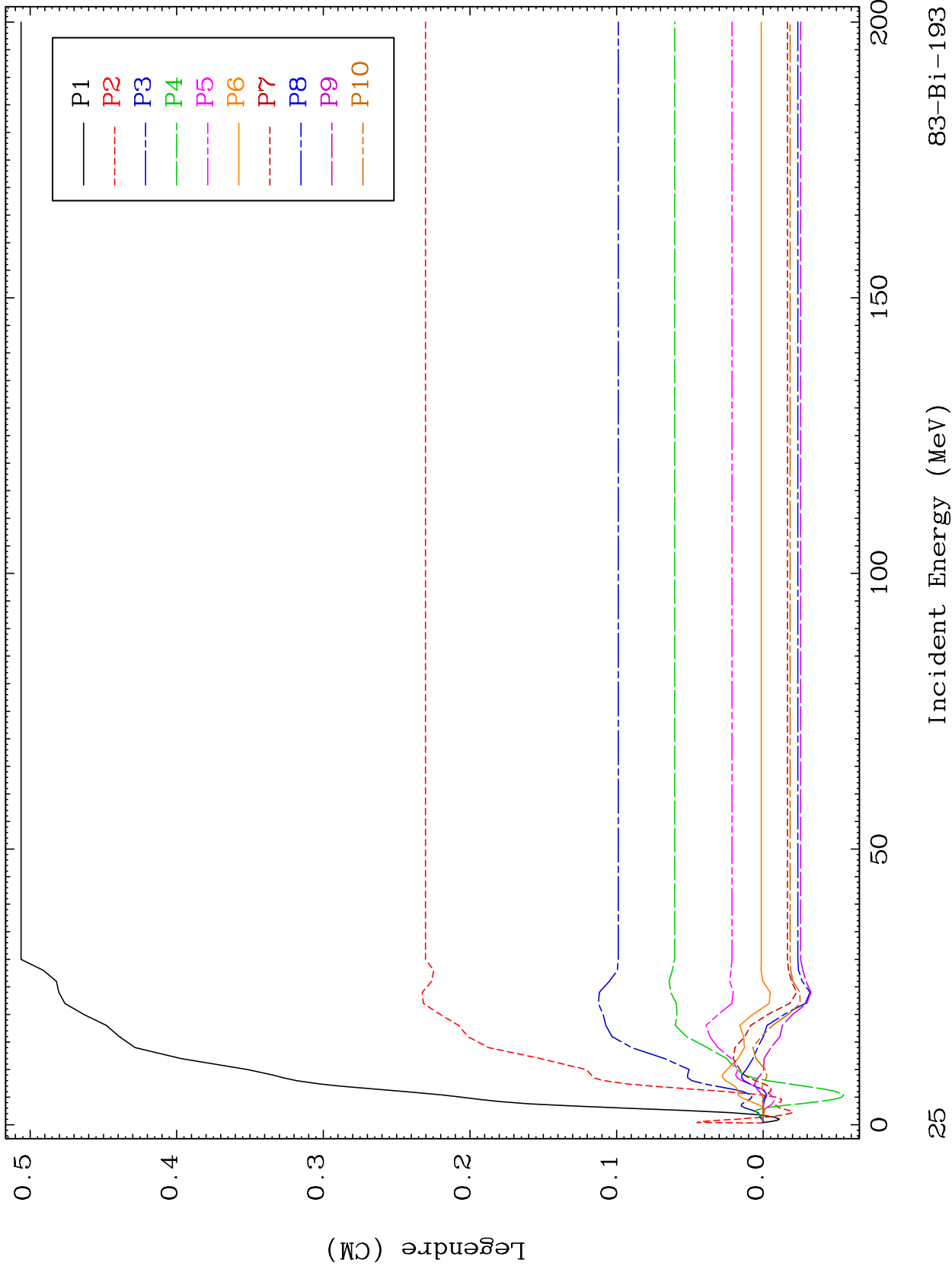
83-Bi-193



MAT 8277

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

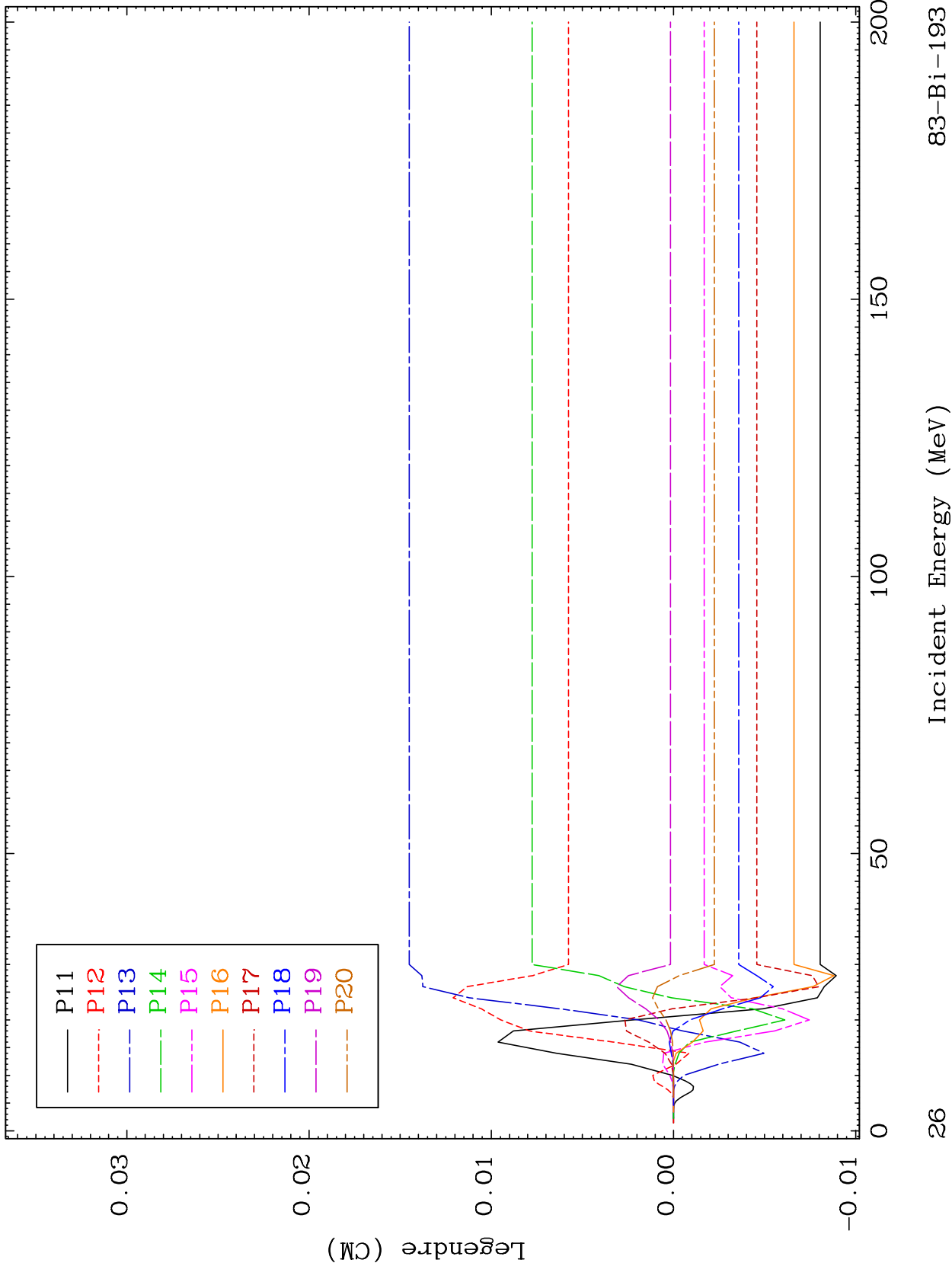
83-Bi-193



MAT 8277

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

83-Bi-193



26

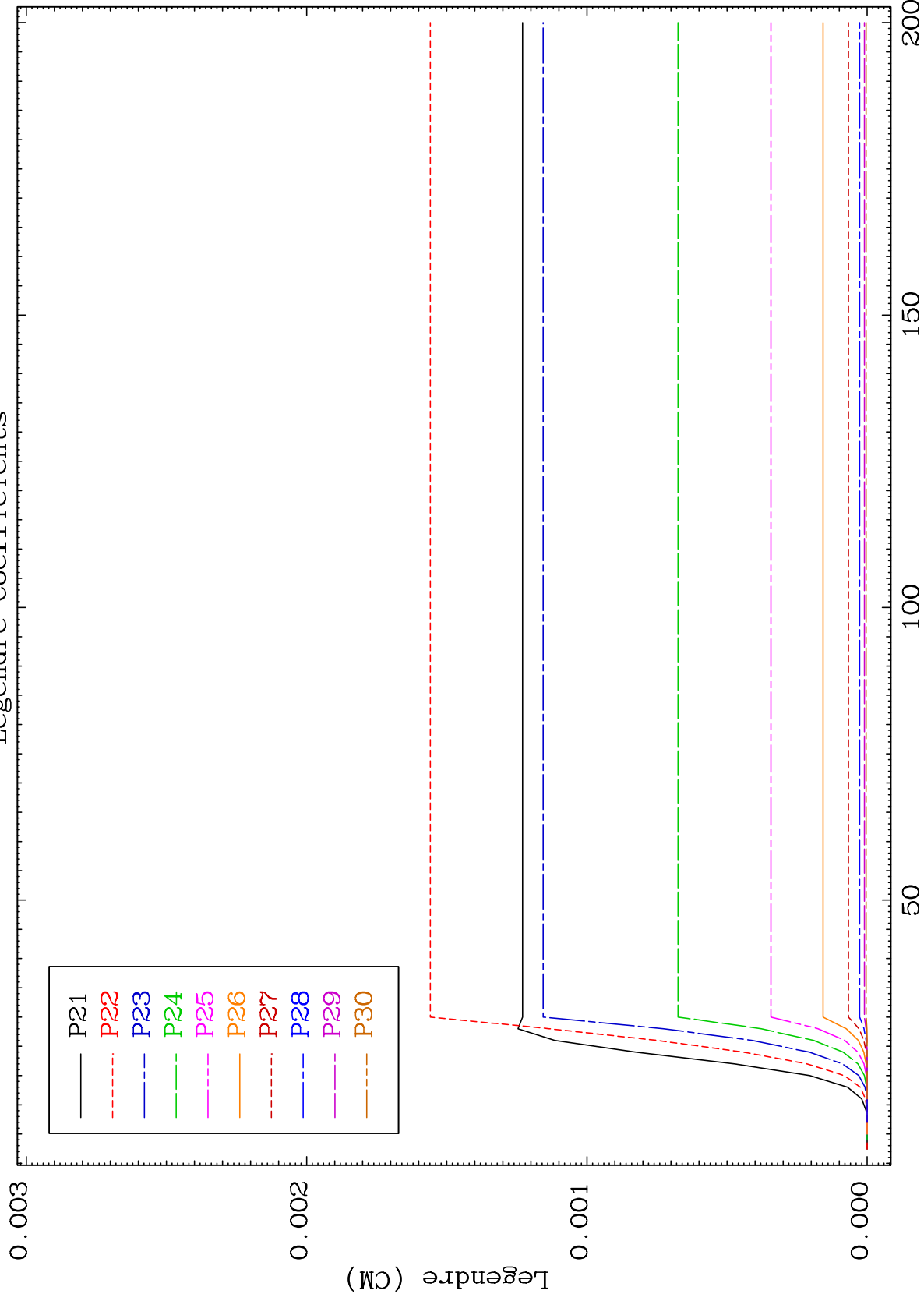
Incident Energy (MeV)

83-Bi-193

MAT 8277

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

83-Bi-193



27

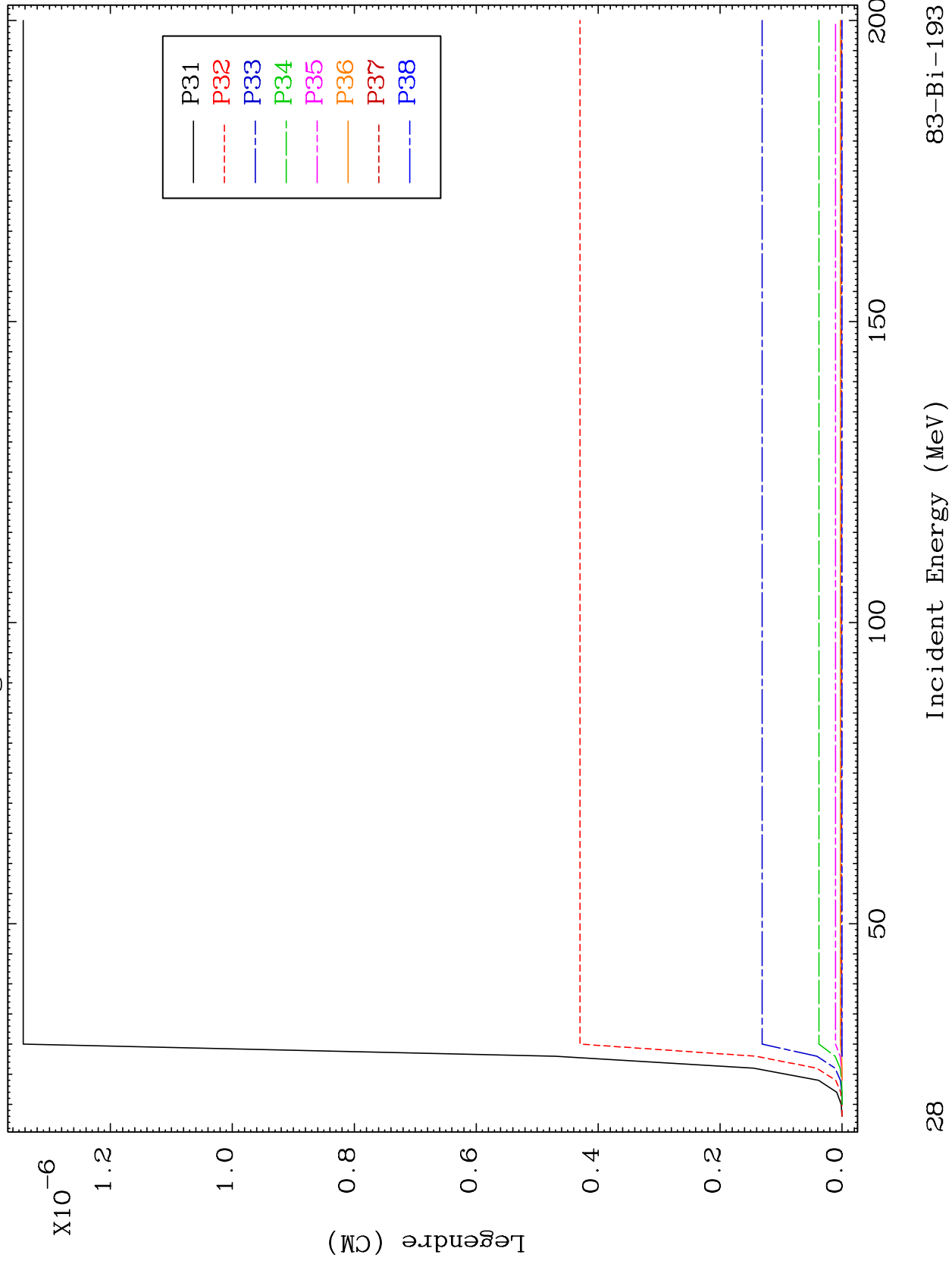
Incident Energy (MeV)

83-Bi-193

MAT 8277

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

83-Bi-193



28

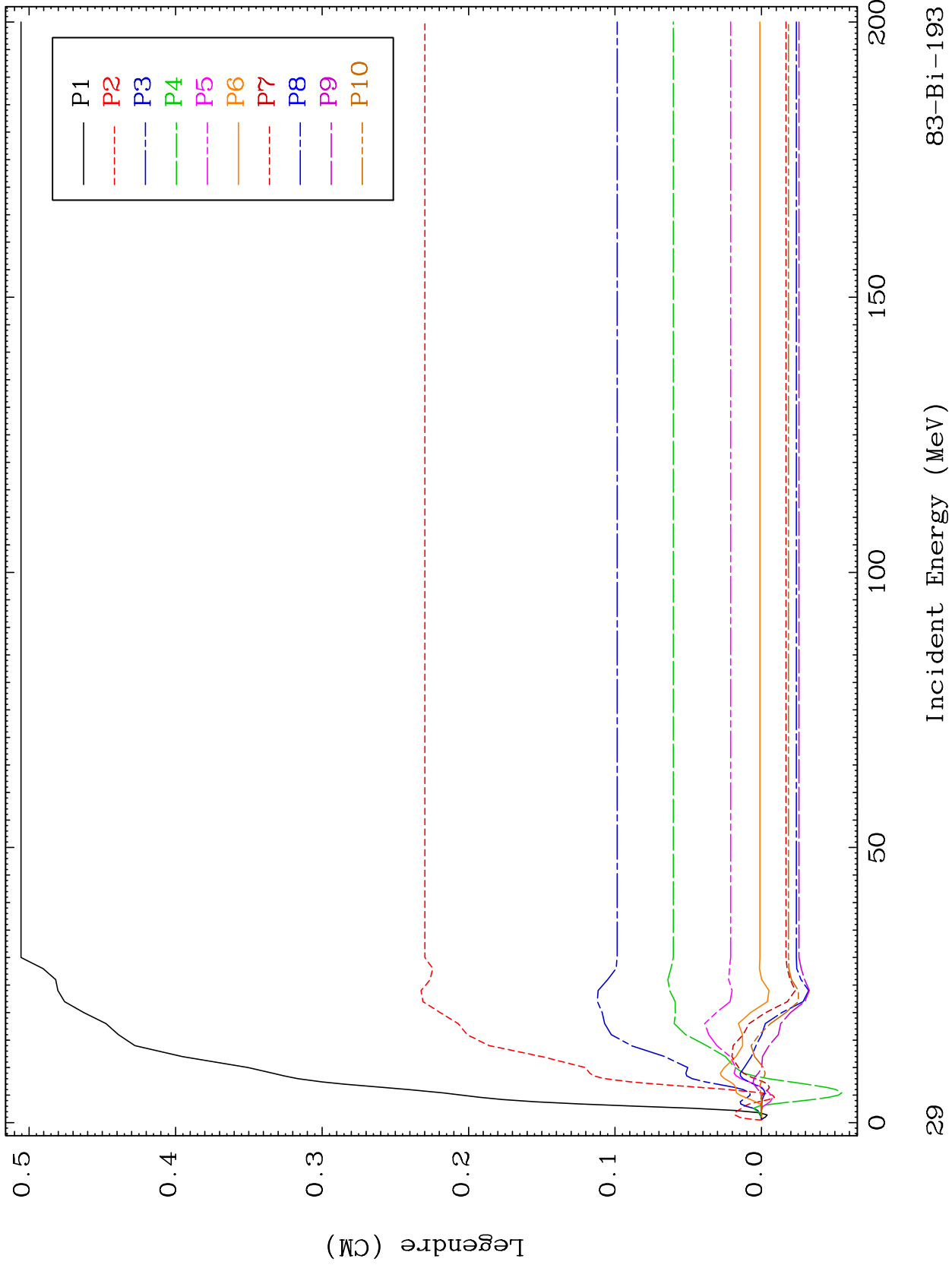
Incident Energy (MeV)

83-Bi-193

MAT 8277

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

83-Bi-193



83-Bi-193

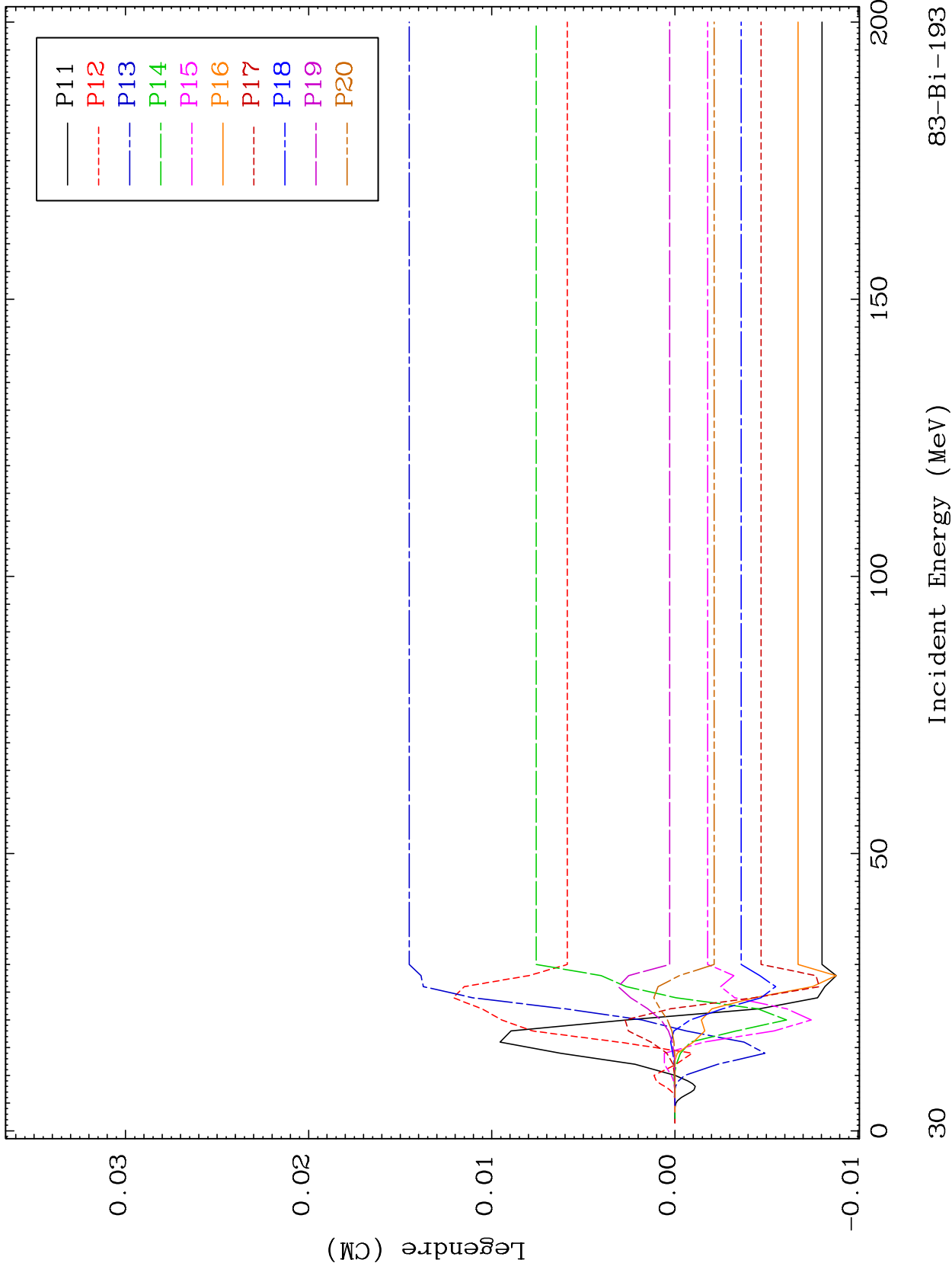
Incident Energy (MeV)

29

MAT 8277

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

83-Bi-193



83-Bi-193

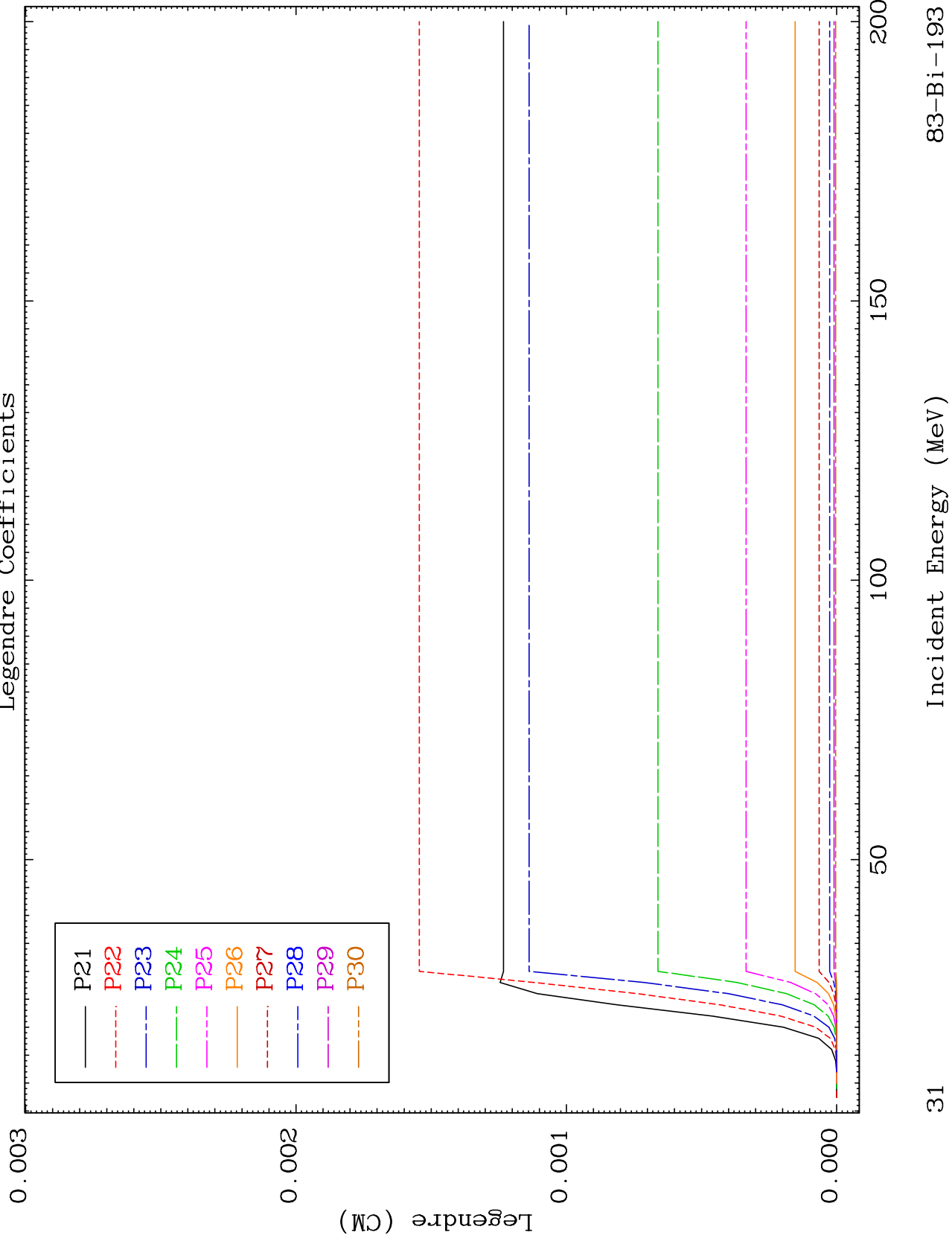
Incident Energy (MeV)

30

MAT 8277

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

83-Bi-193



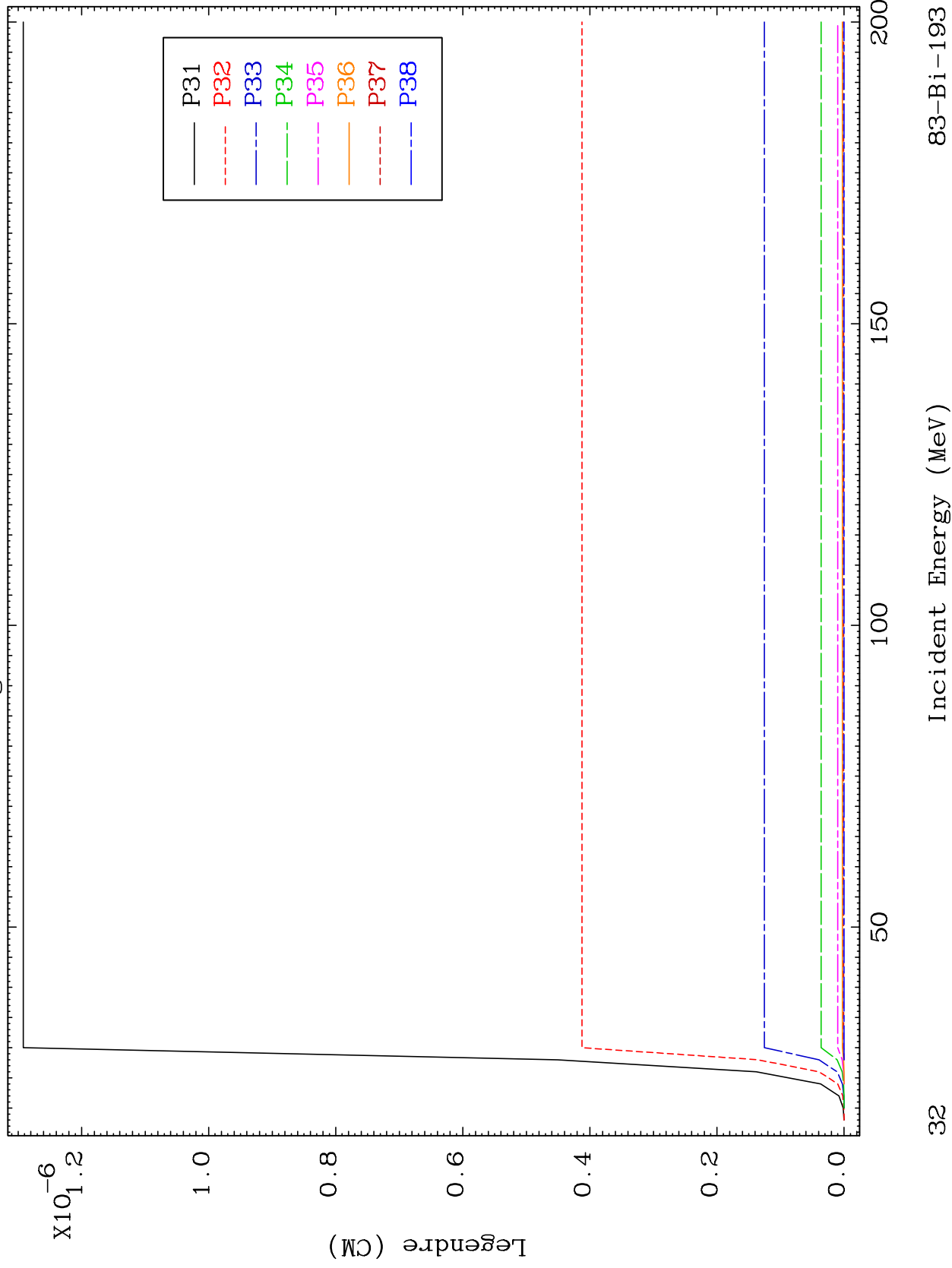
31

83-Bi-193

MAT 8277

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

83-Bi-193

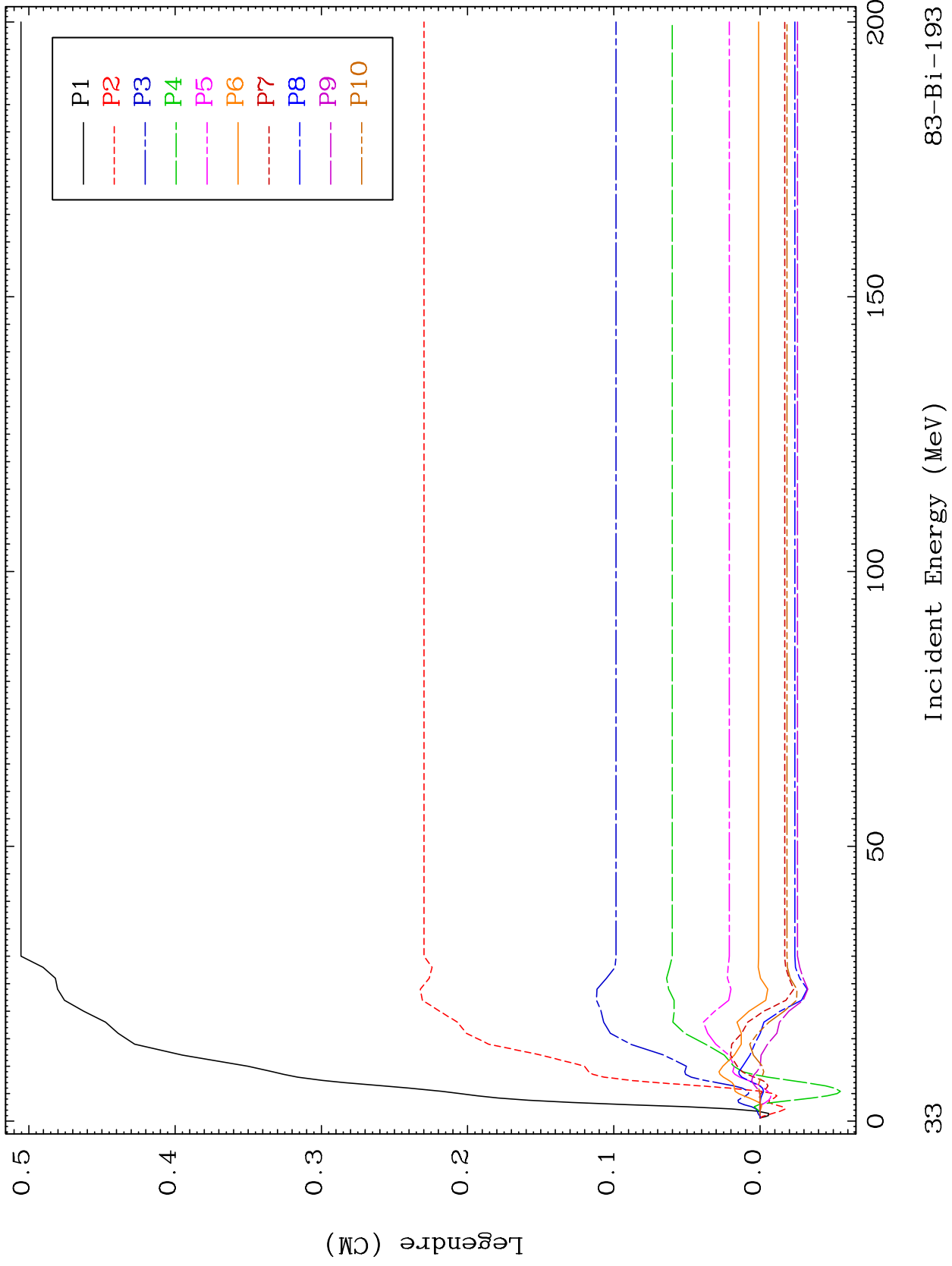


32

MAT 8277

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

83-Bi-193



33

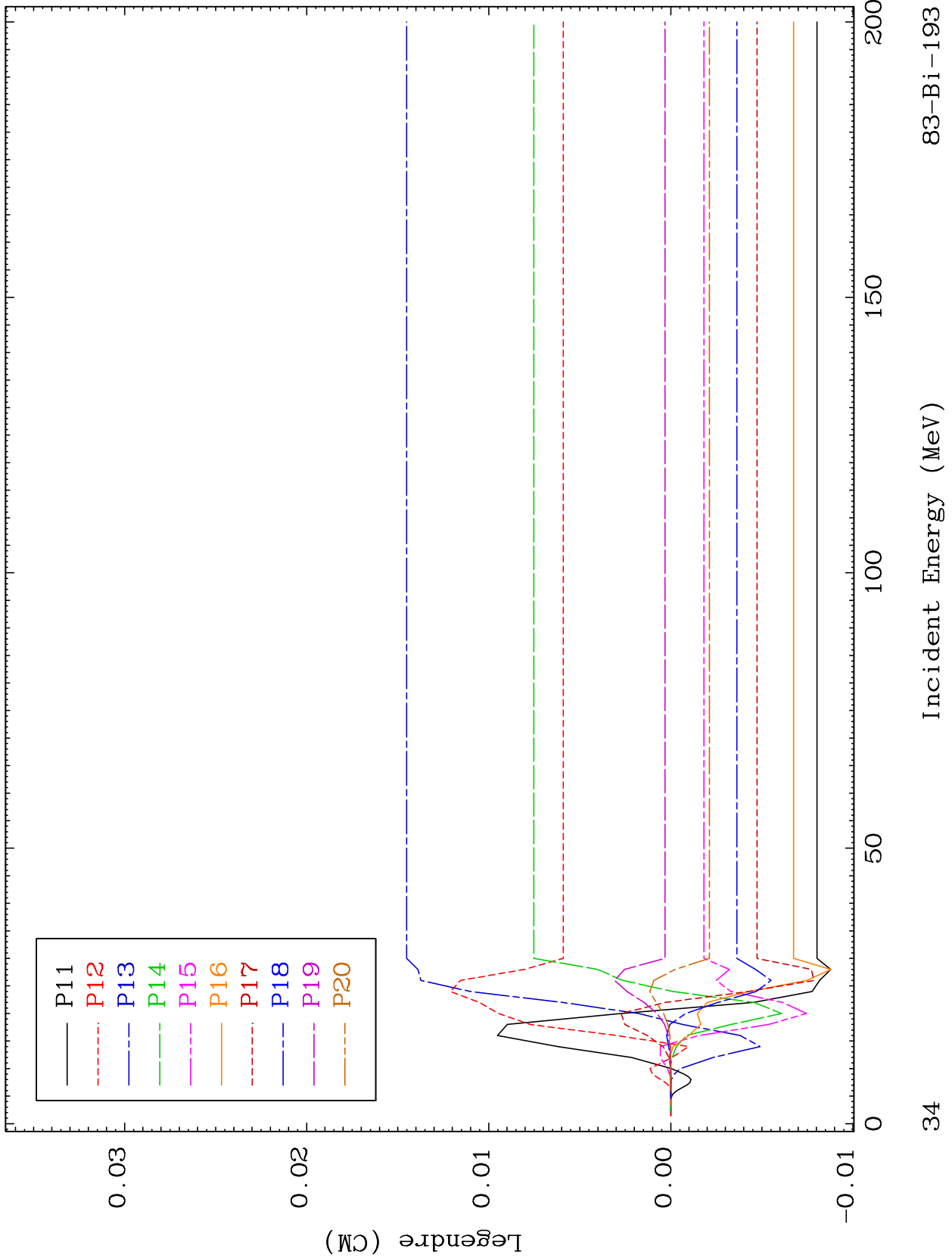
Incident Energy (MeV)

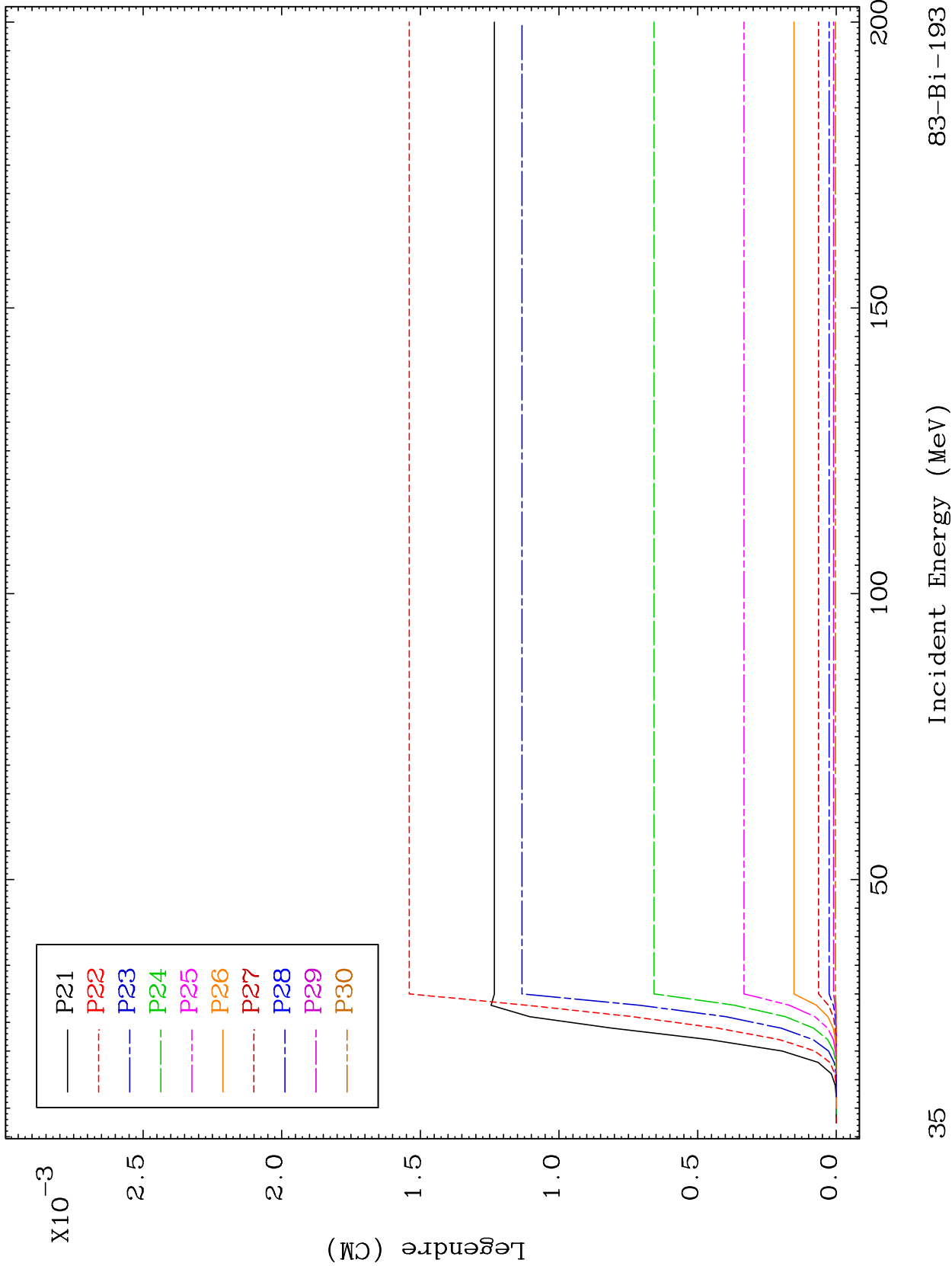
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MAT 8277

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

83-Bi-193

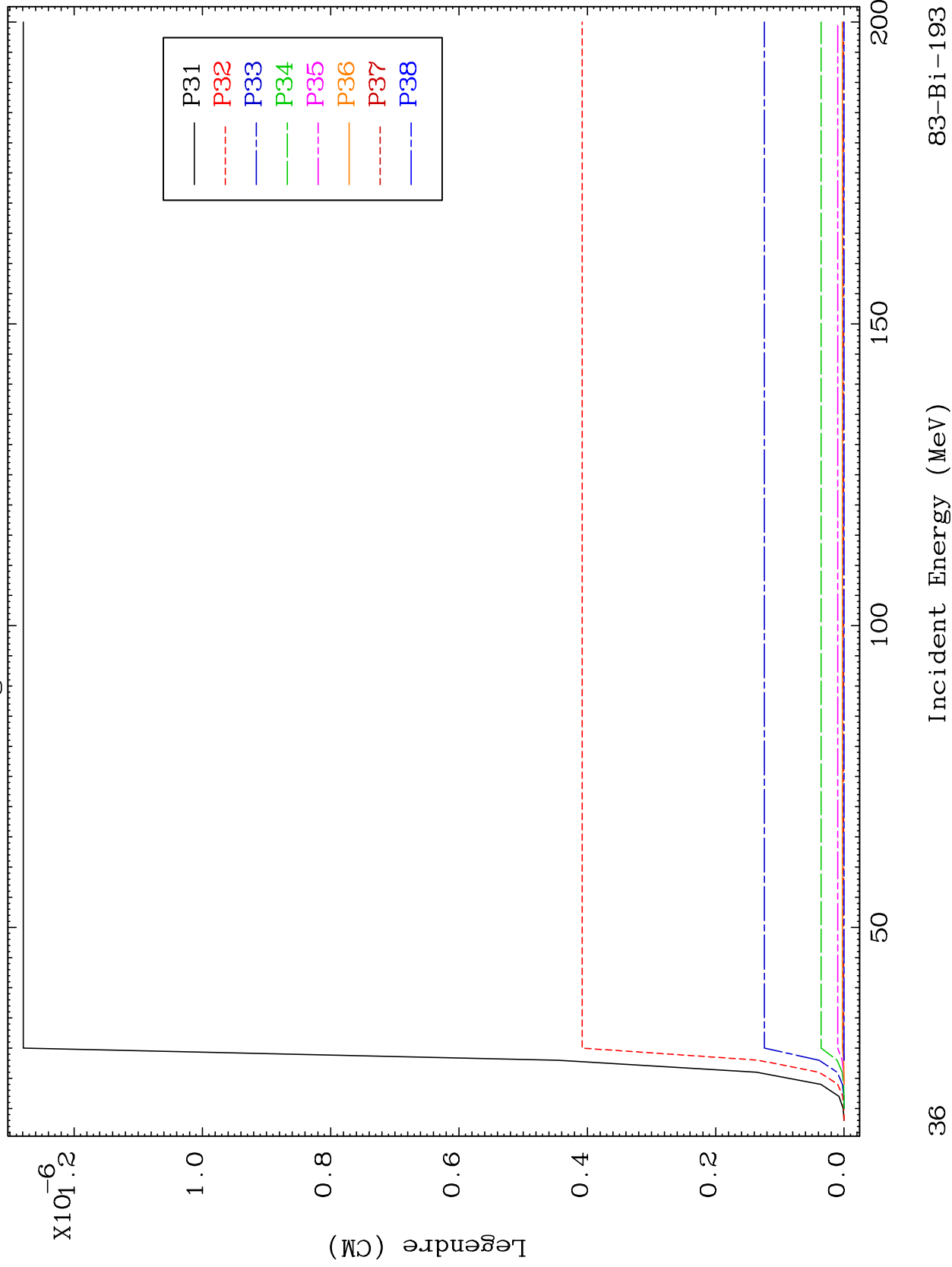




MAT 8277

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

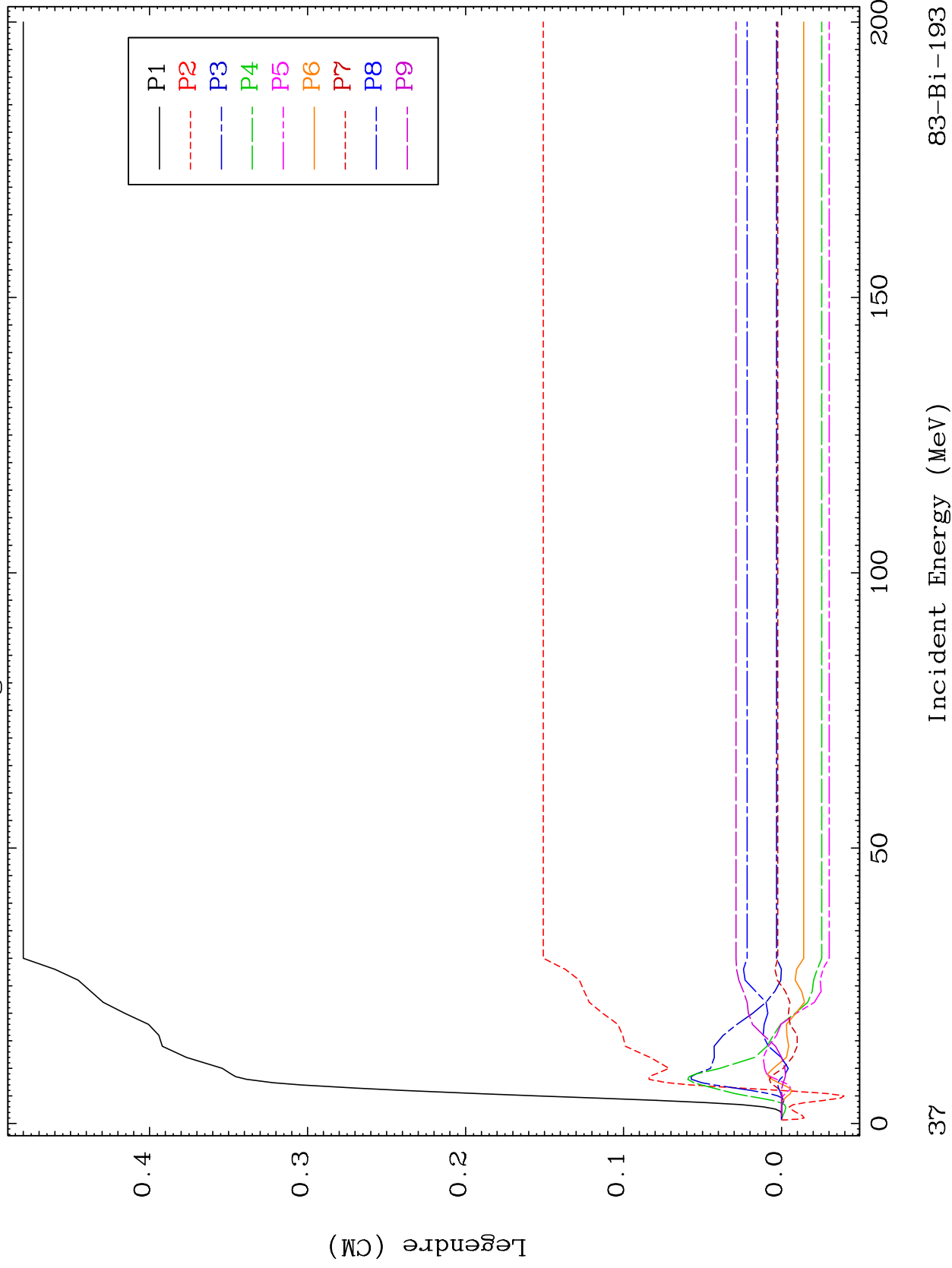
83-Bi-193



MAT 8277

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

83-Bi-193



37

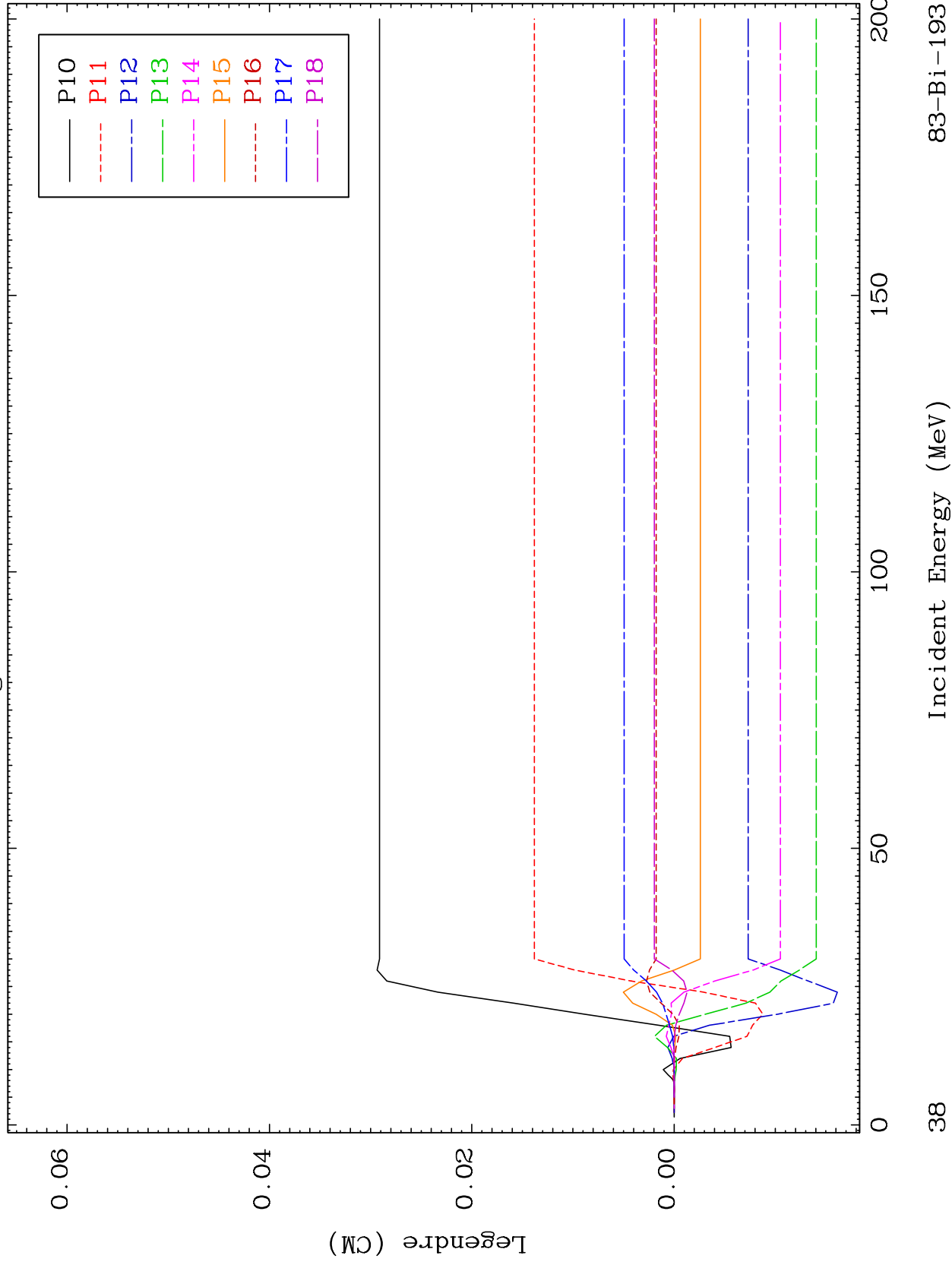
Incident Energy (MeV)

83-Bi-193

MAT 8277

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

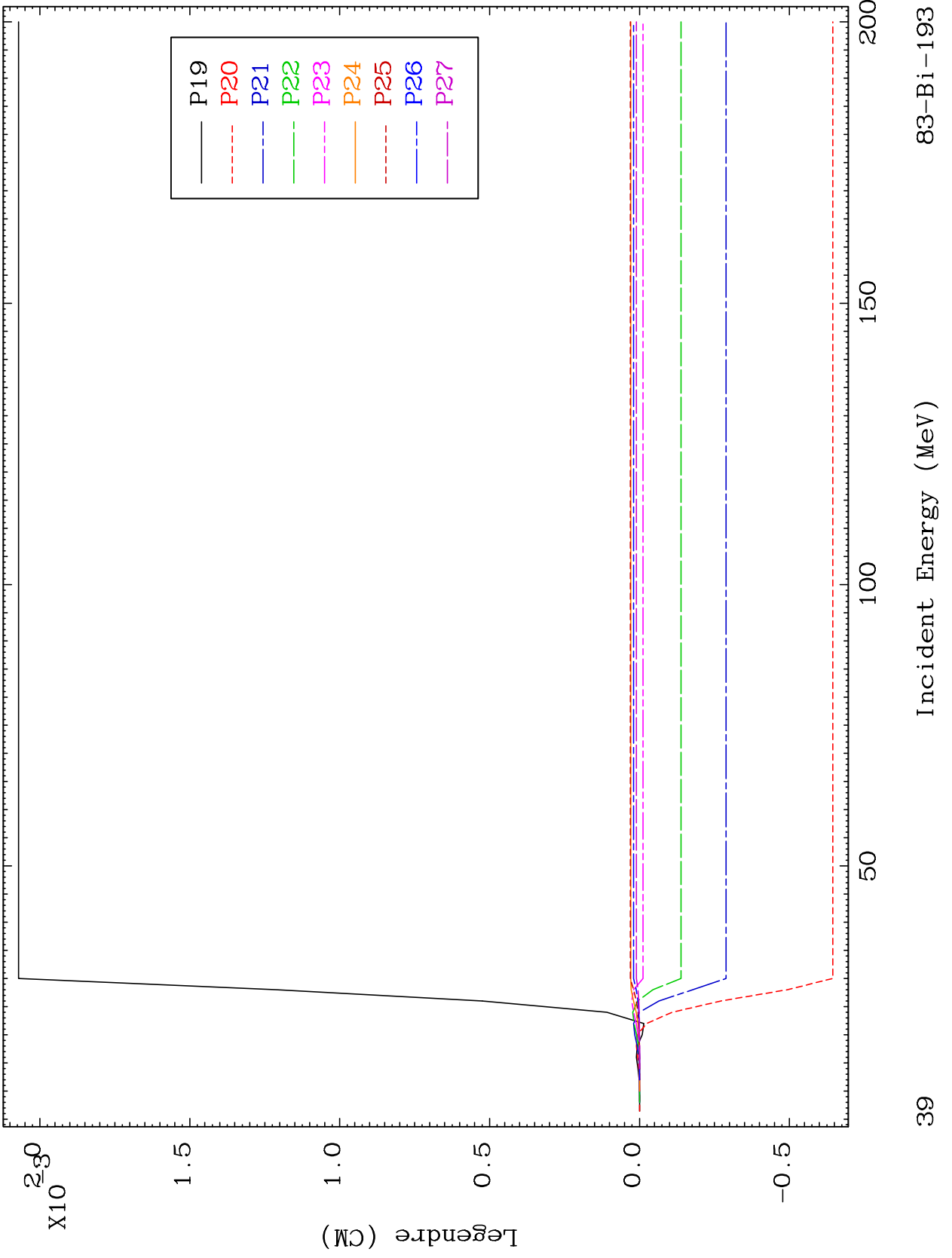
83-Bi-193



83-Bi-193

Incident Energy (MeV)

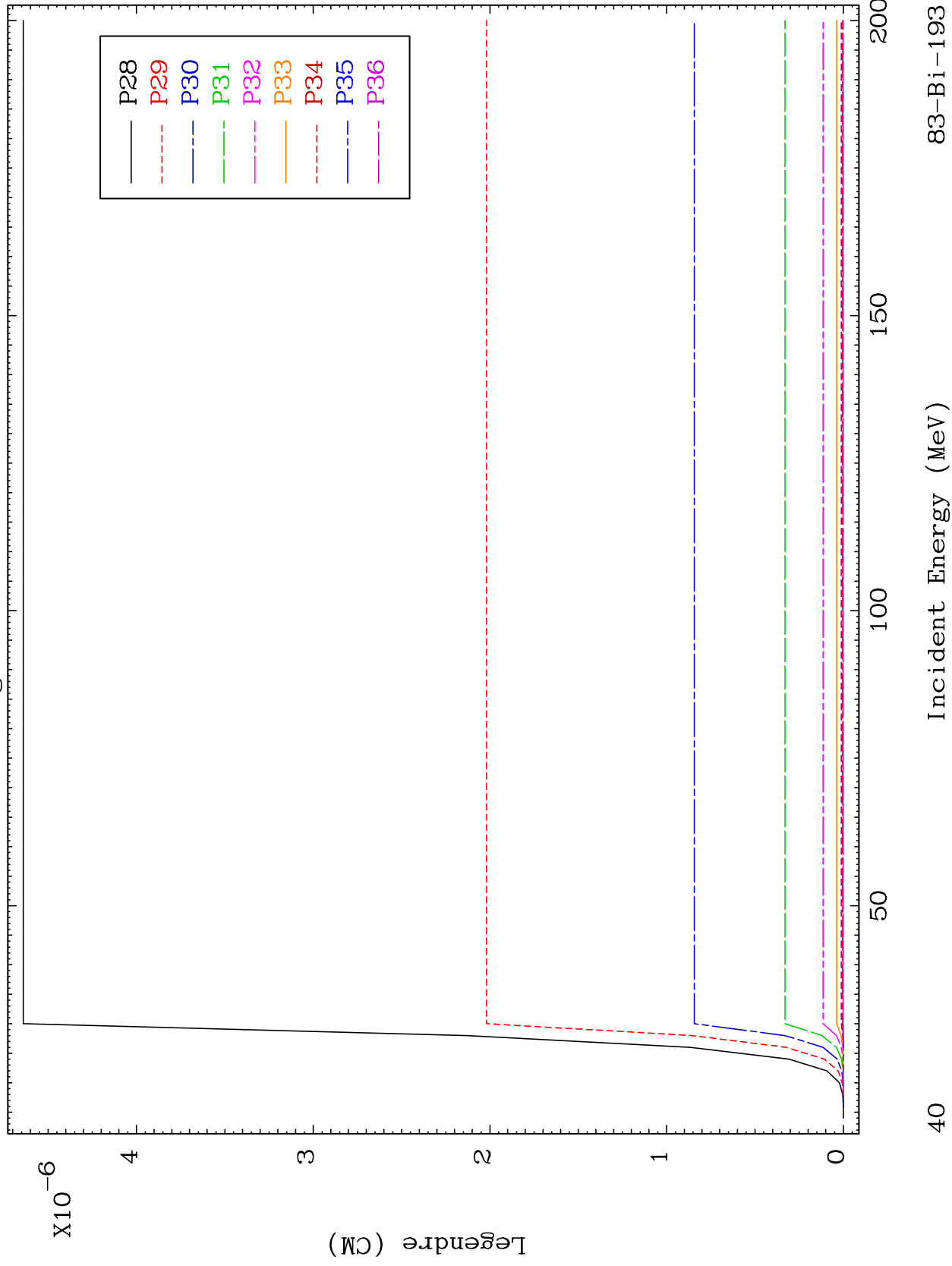
38



MAT 8277

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

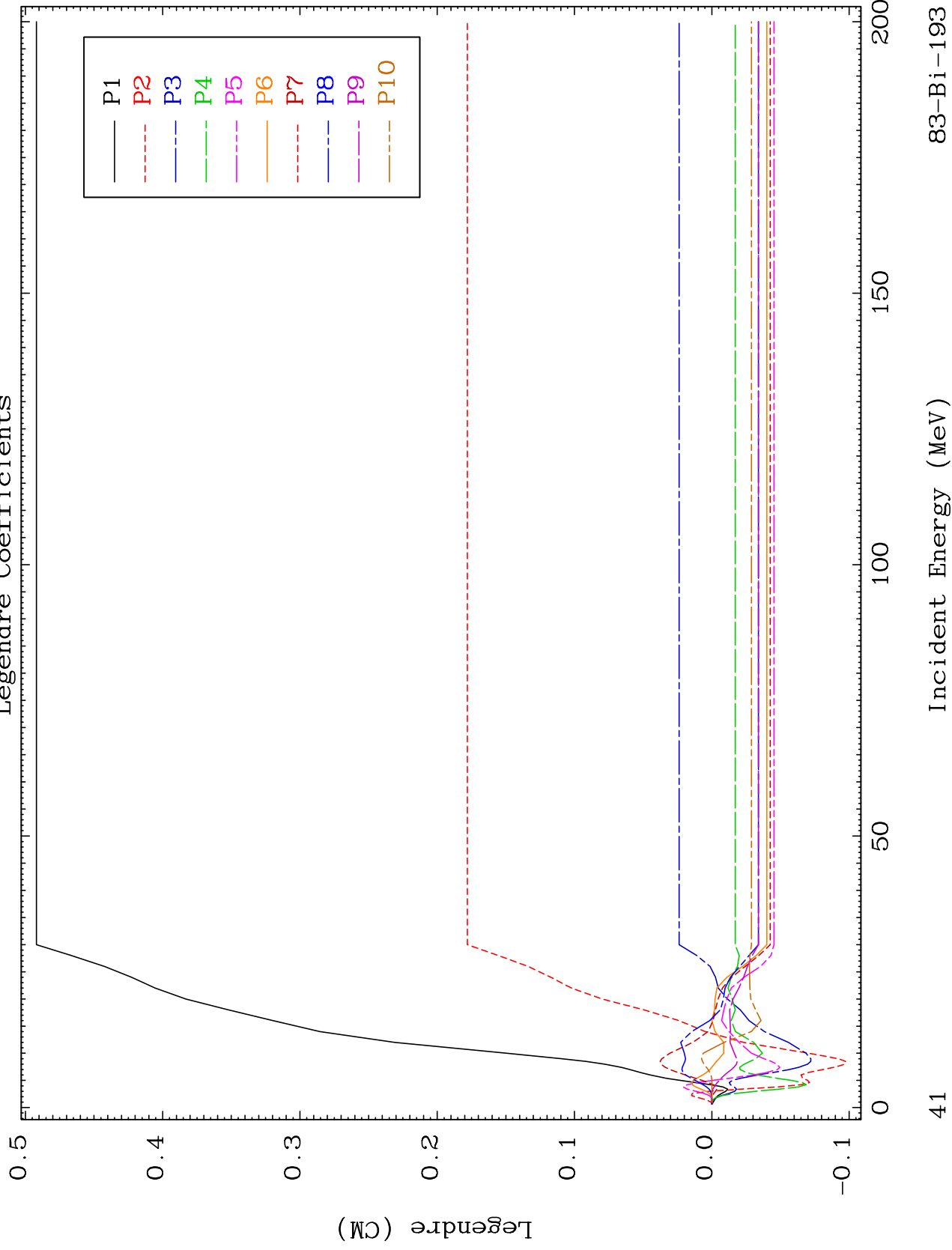
83-Bi-193



MAT 8277

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

83-Bi-193



41

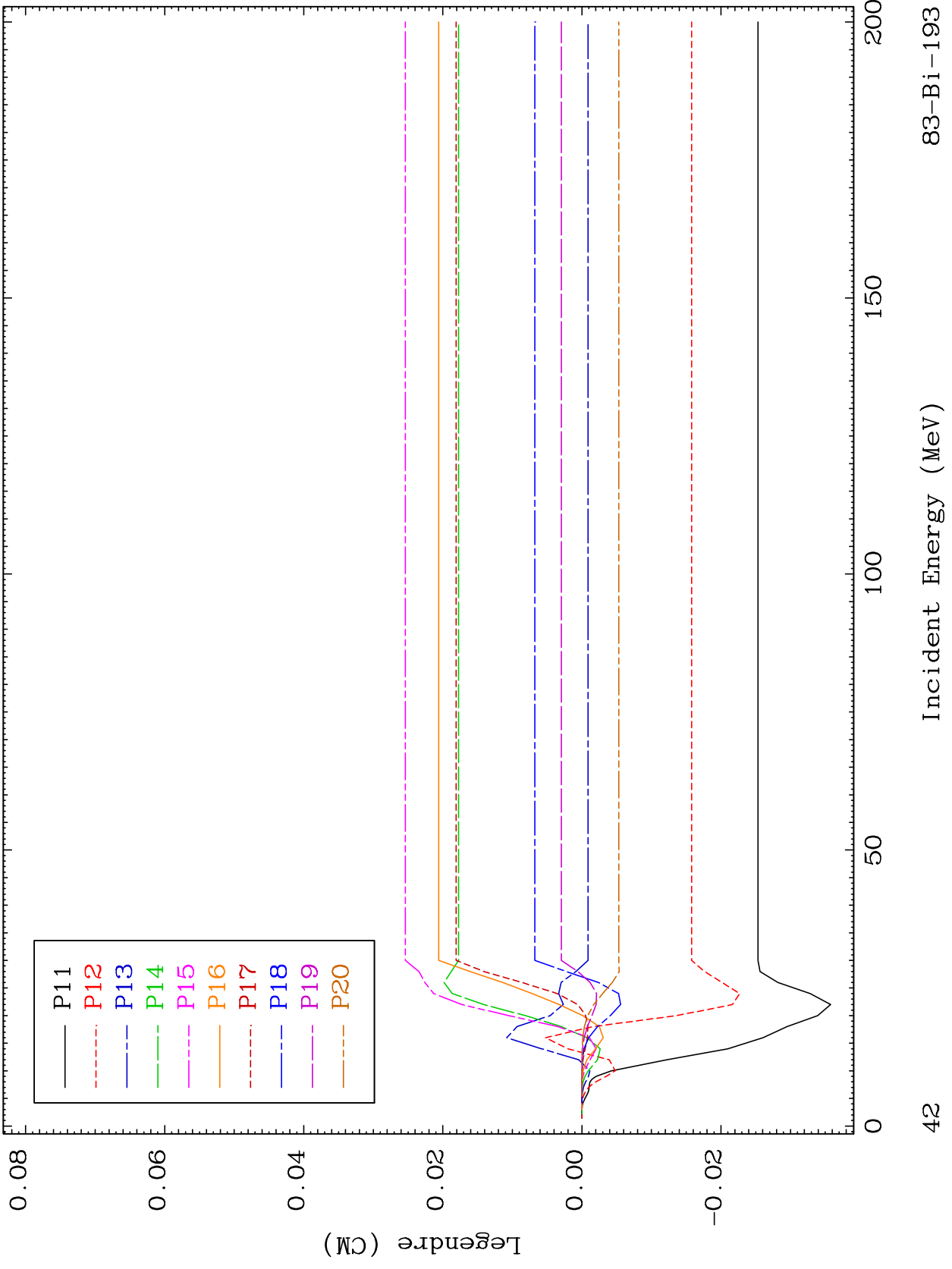
Incident Energy (MeV)

83-Bi-193

MAT 8277

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

83-Bi-193



83-Bi-193

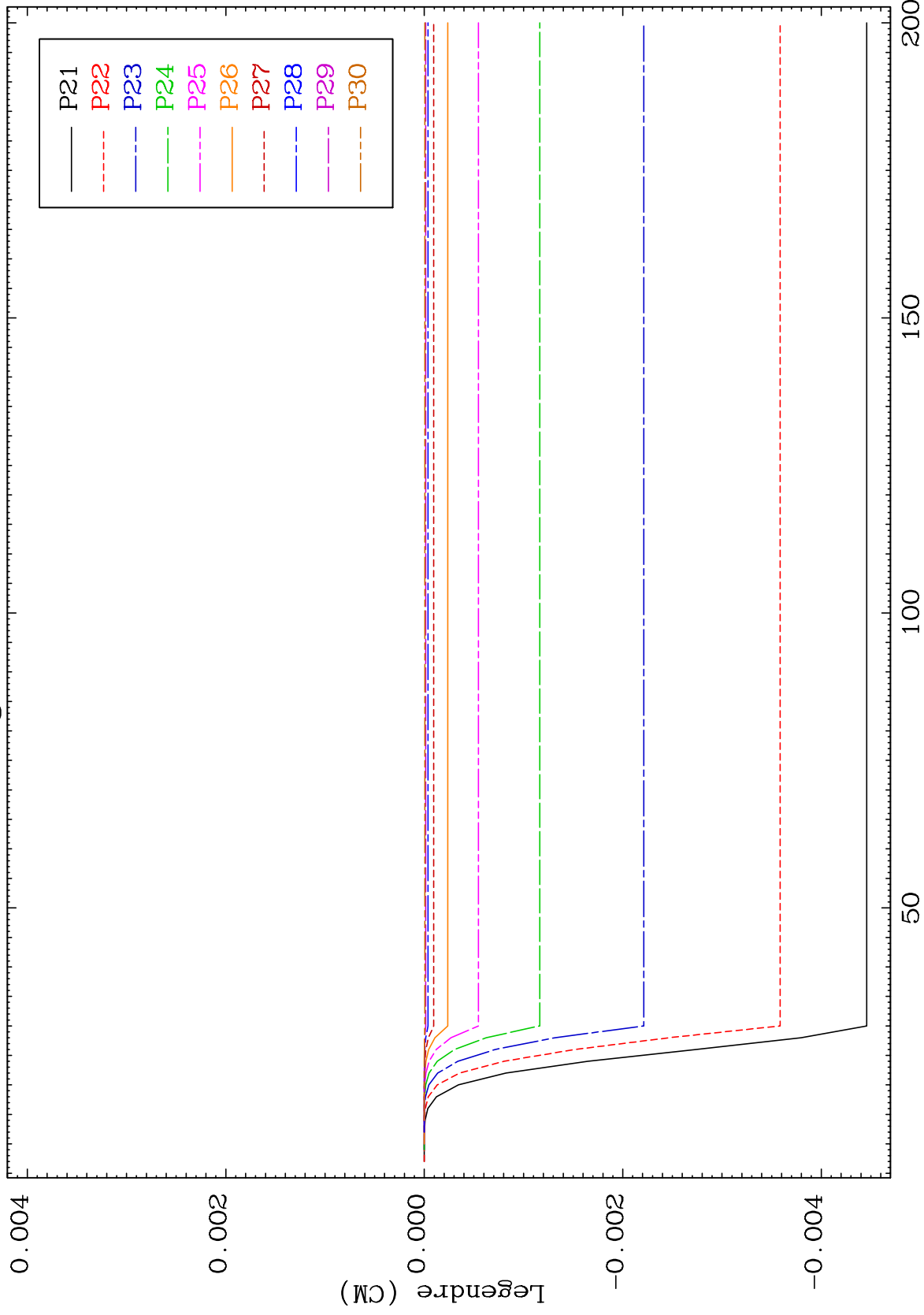
Incident Energy (MeV)

42

MAT 8277

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

83-Bi-193



43

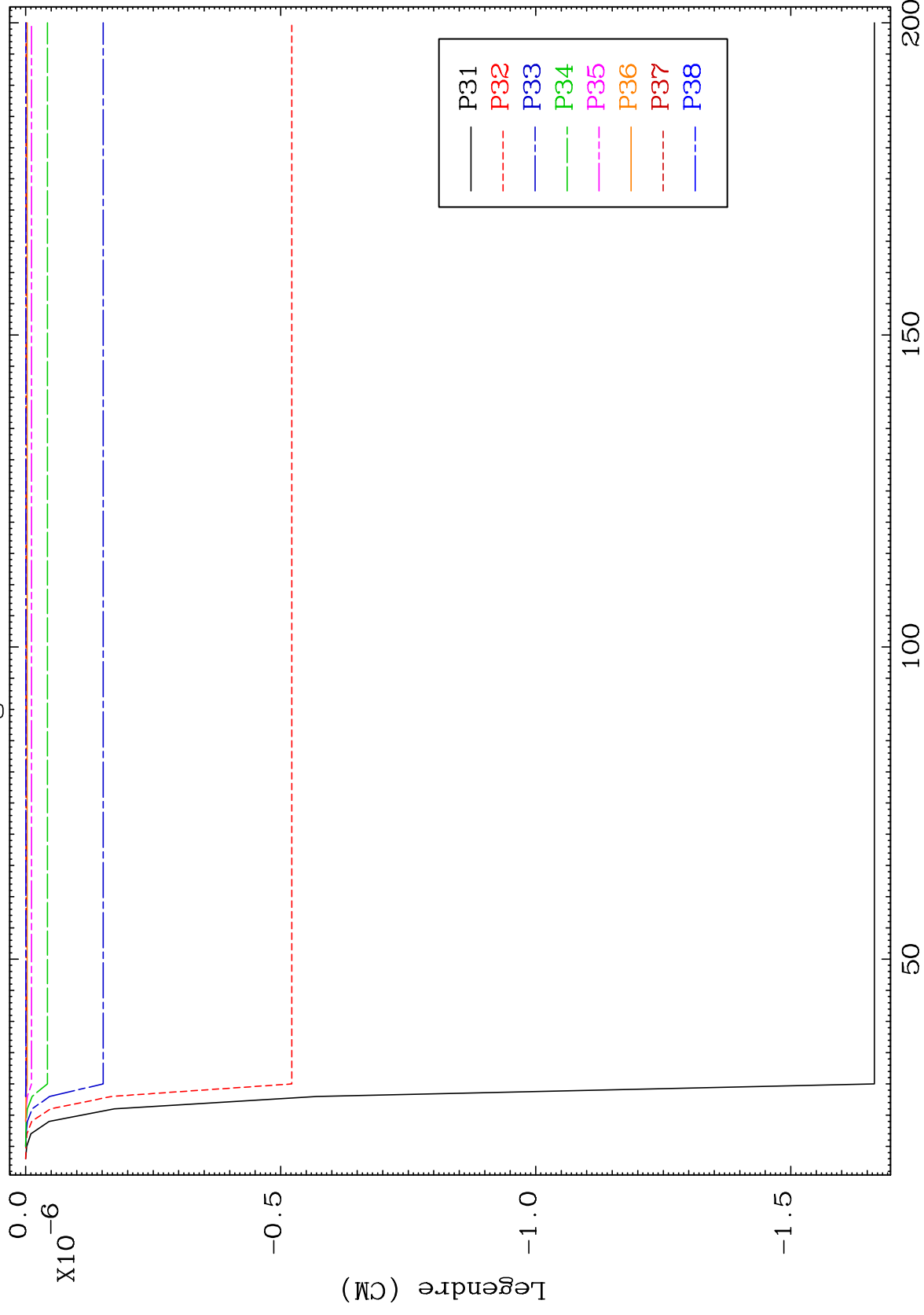
Incident Energy (MeV)

83-Bi-193

MAT 8277

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

83-Bi-193



44

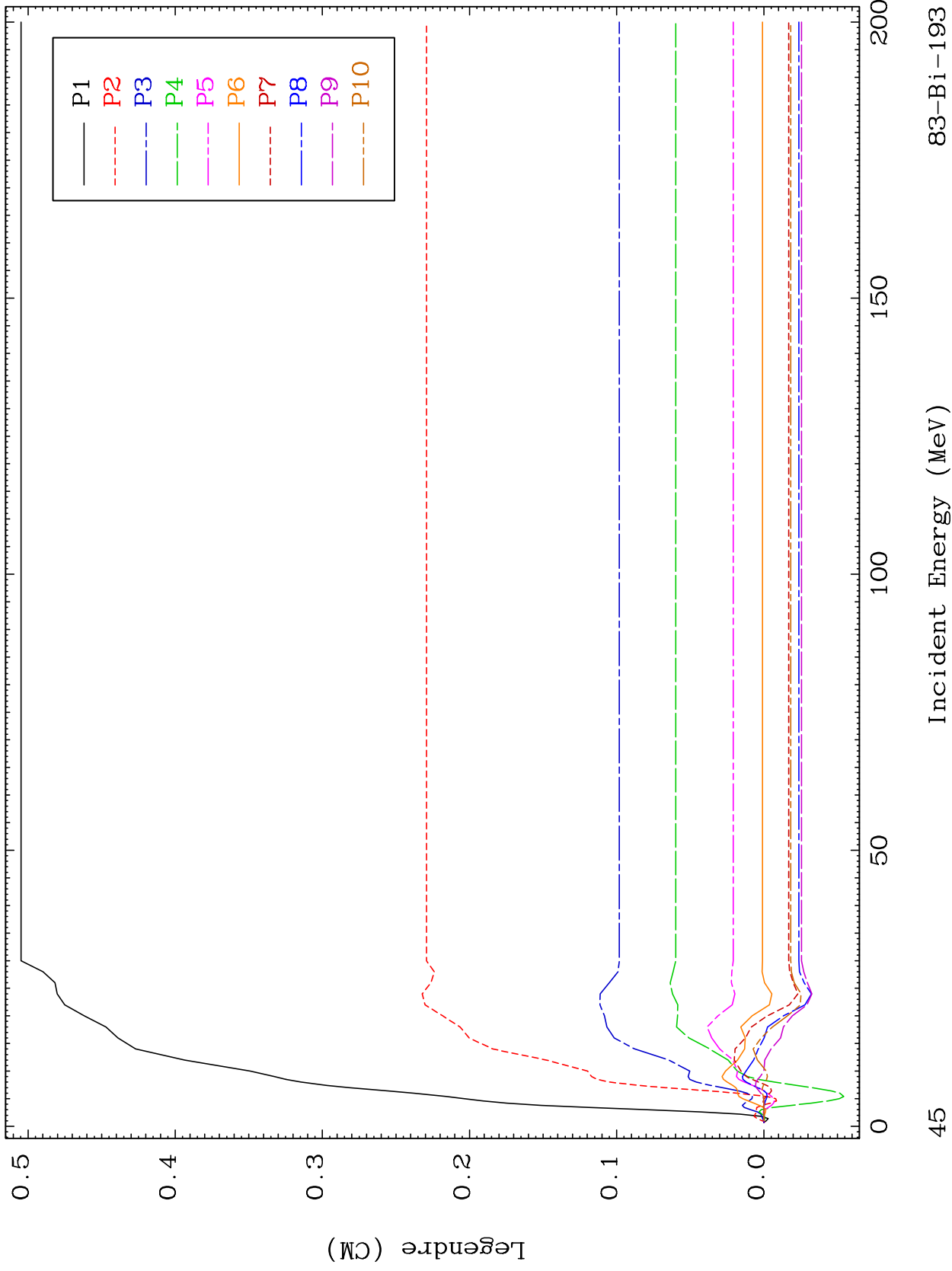
Incident Energy (MeV)

83-Bi-193

MAT 8277

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

83-Bi-193



83-Bi-193

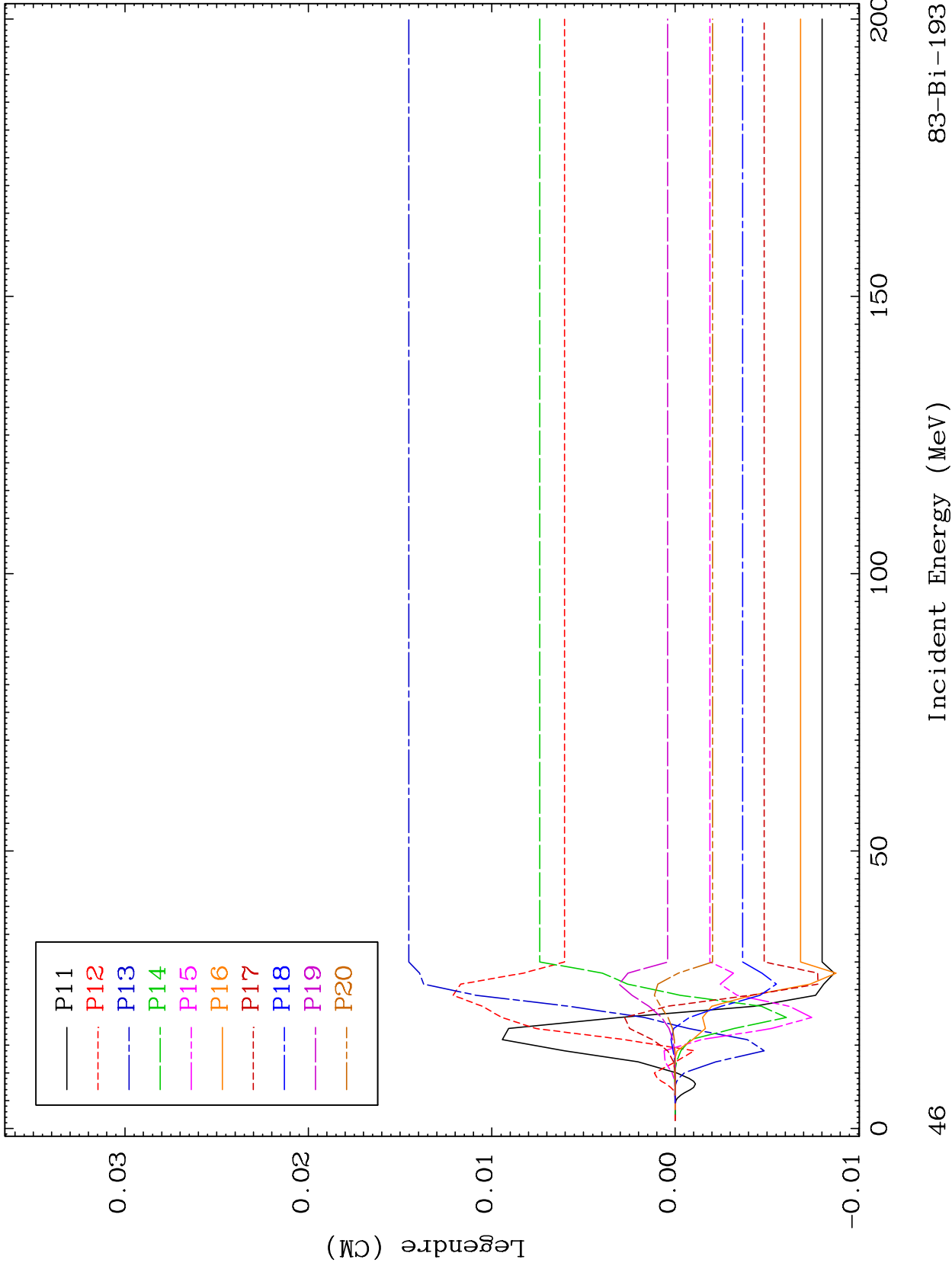
Incident Energy (MeV)

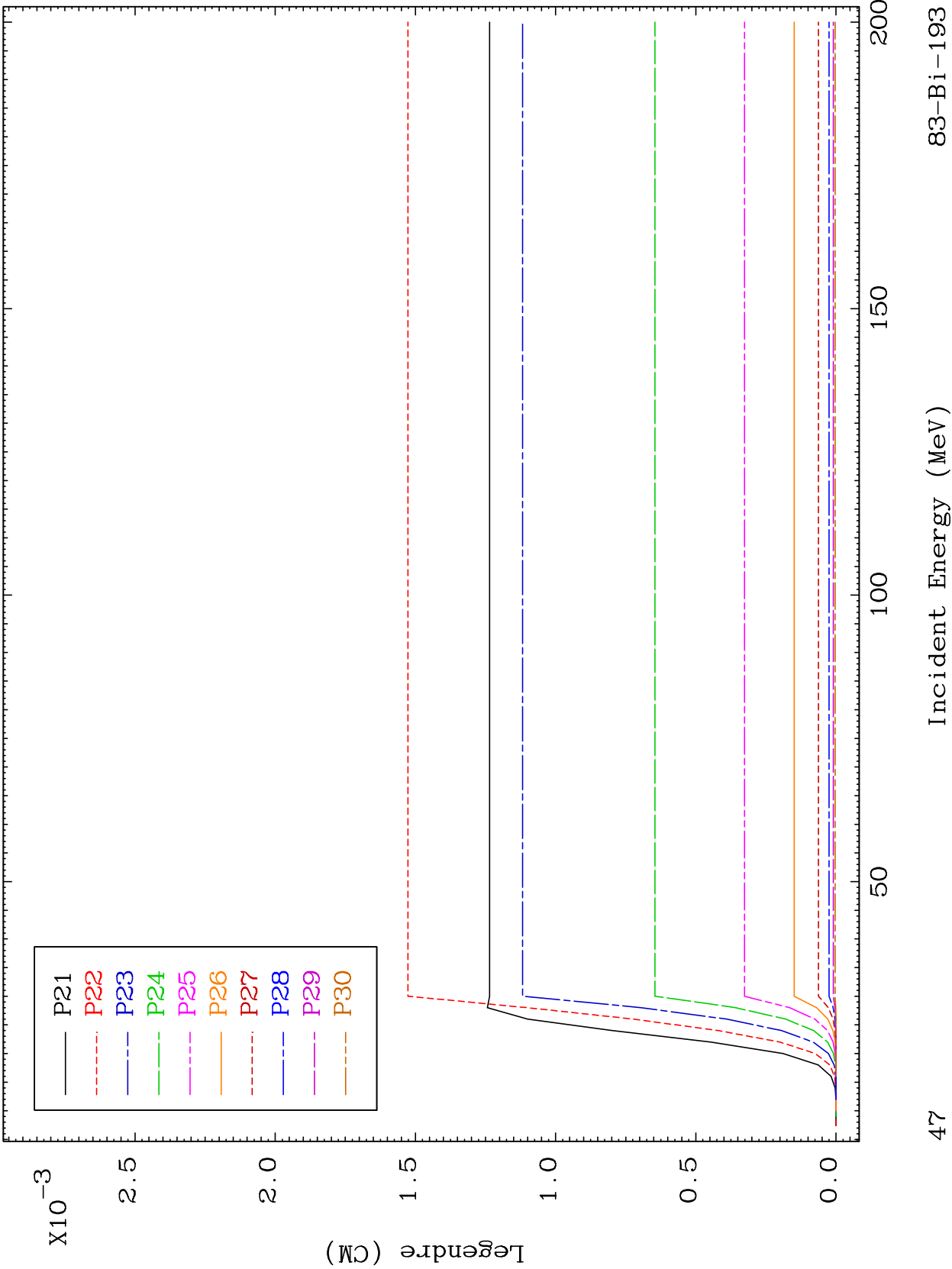
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MAT 8277

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

83-Bi-193

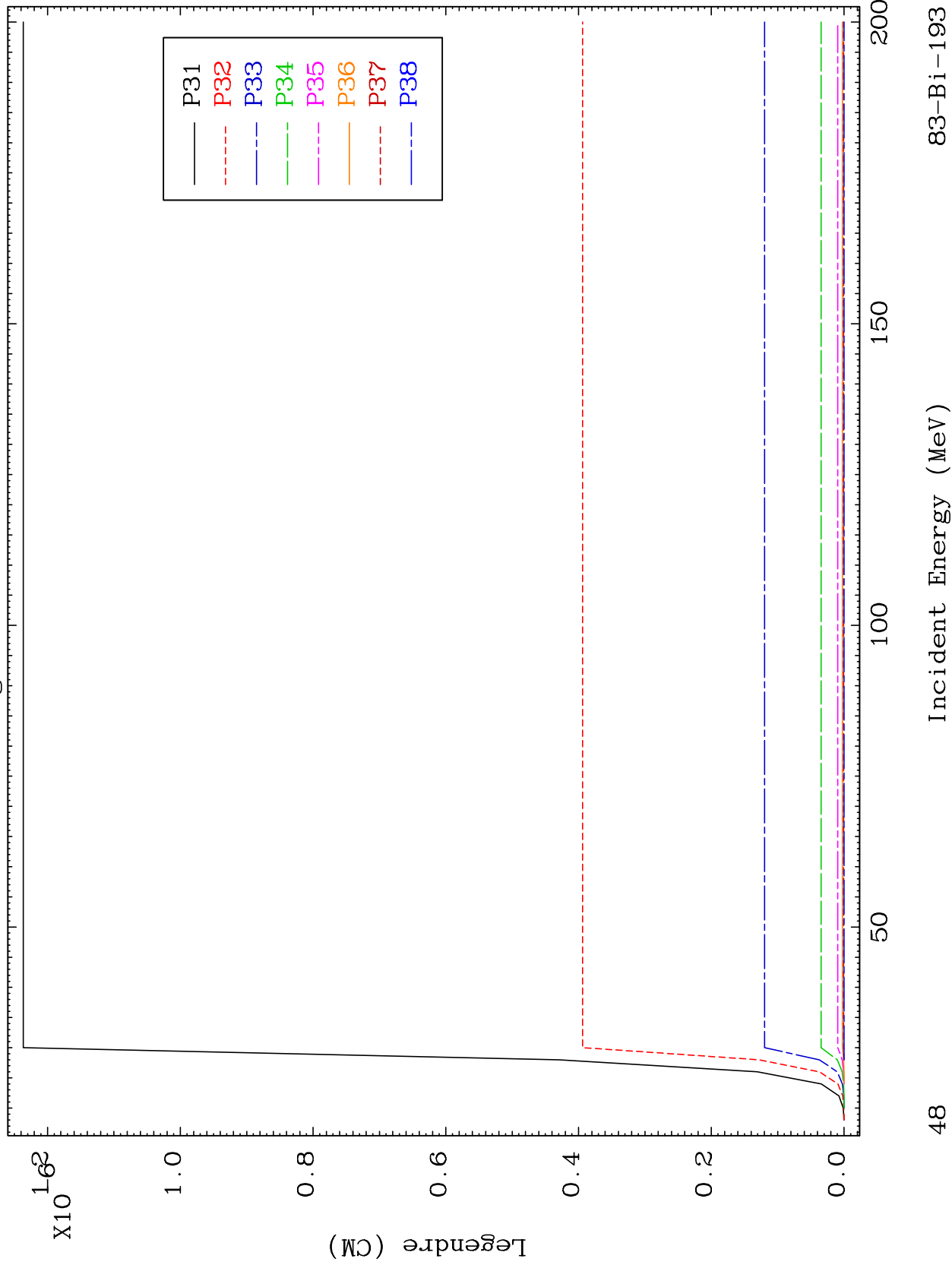




MAT 8277

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

83-Bi-193



48

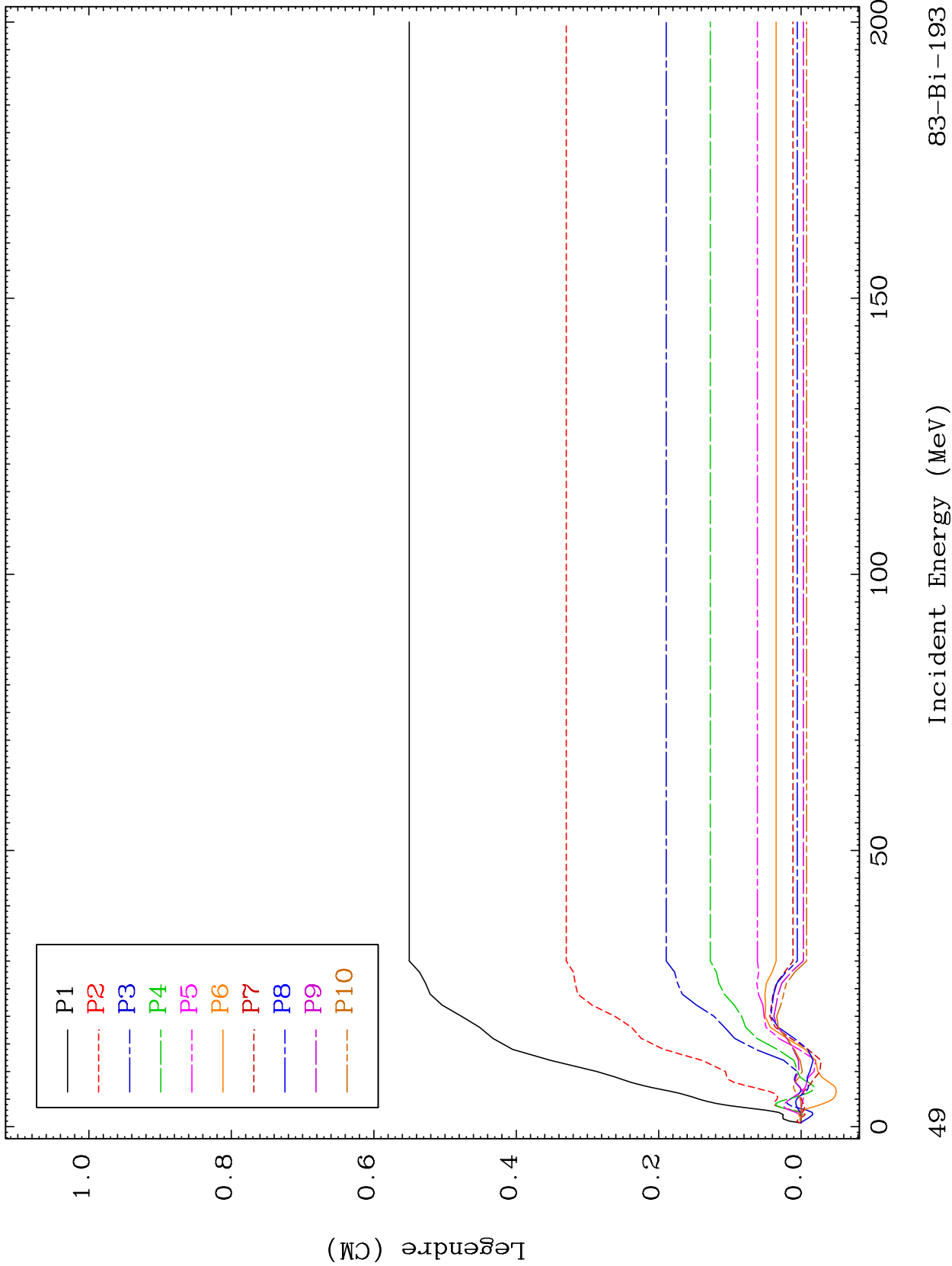
Incident Energy (MeV)

83-Bi-193

MAT 8277

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

83-Bi-193



83-Bi-193

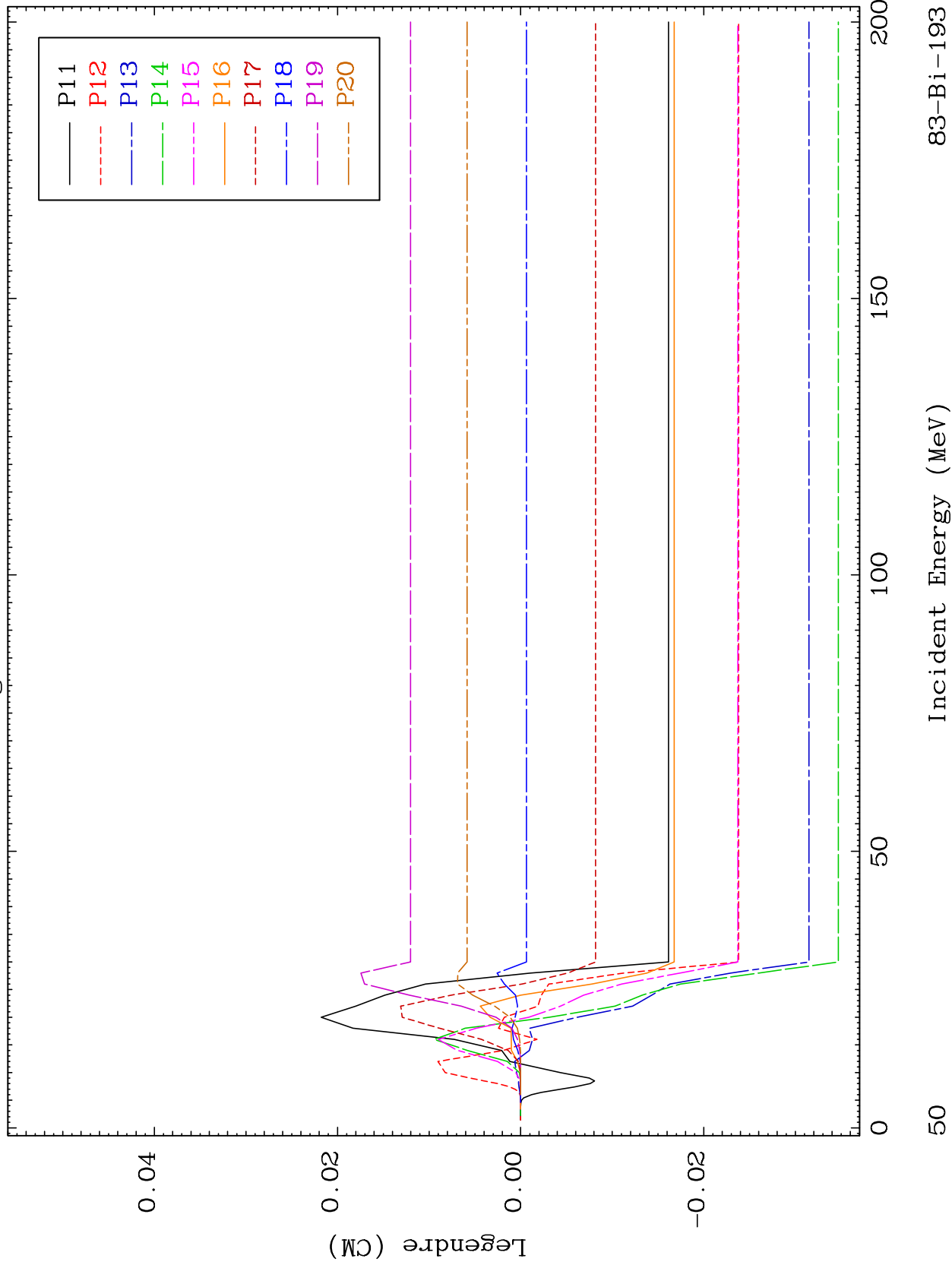
Incident Energy (MeV)

49

MAT 8277

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

83-Bi-193



83-Bi-193

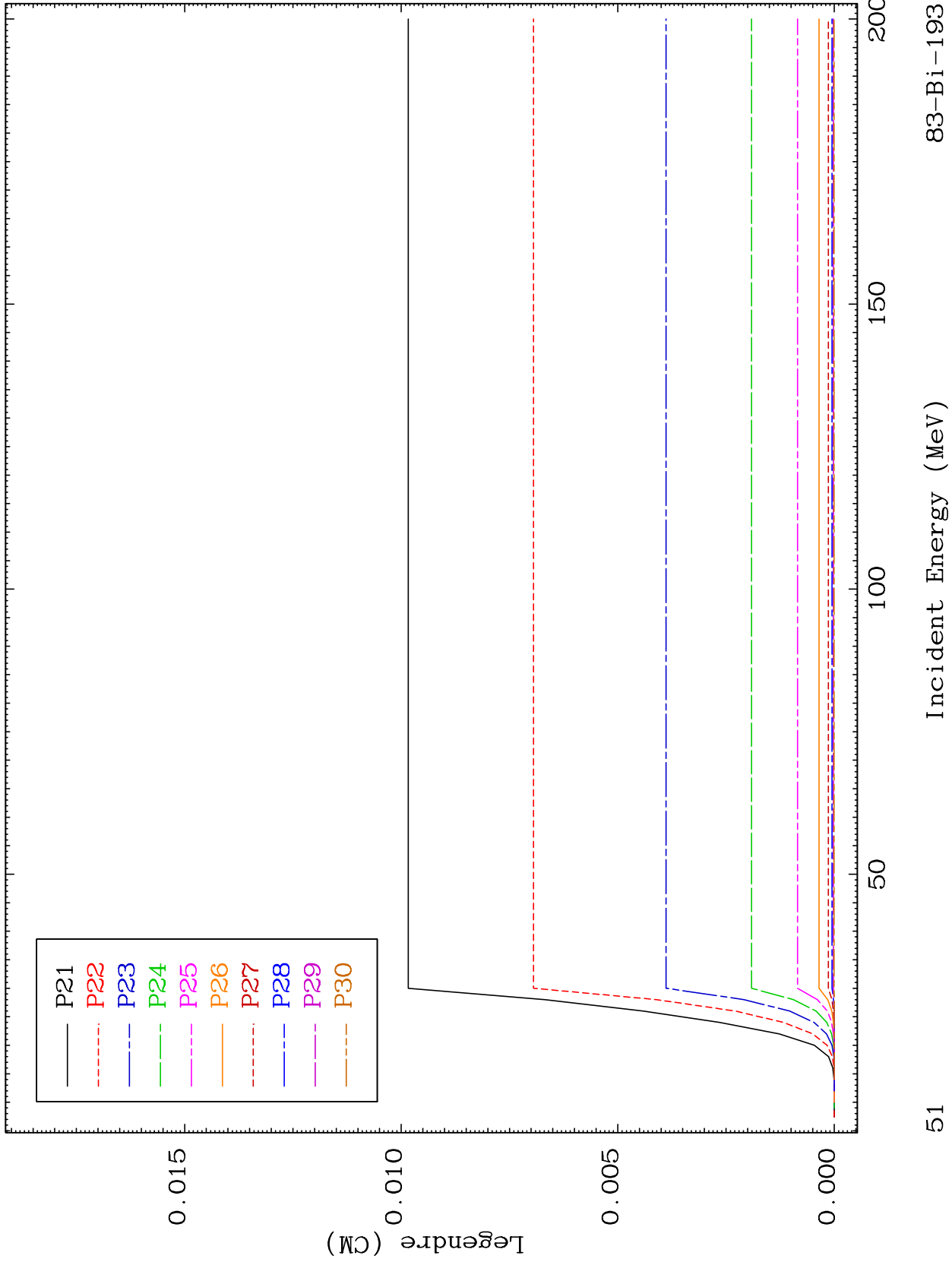
Incident Energy (MeV)

50

MAT 8277

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

83-Bi-193



51

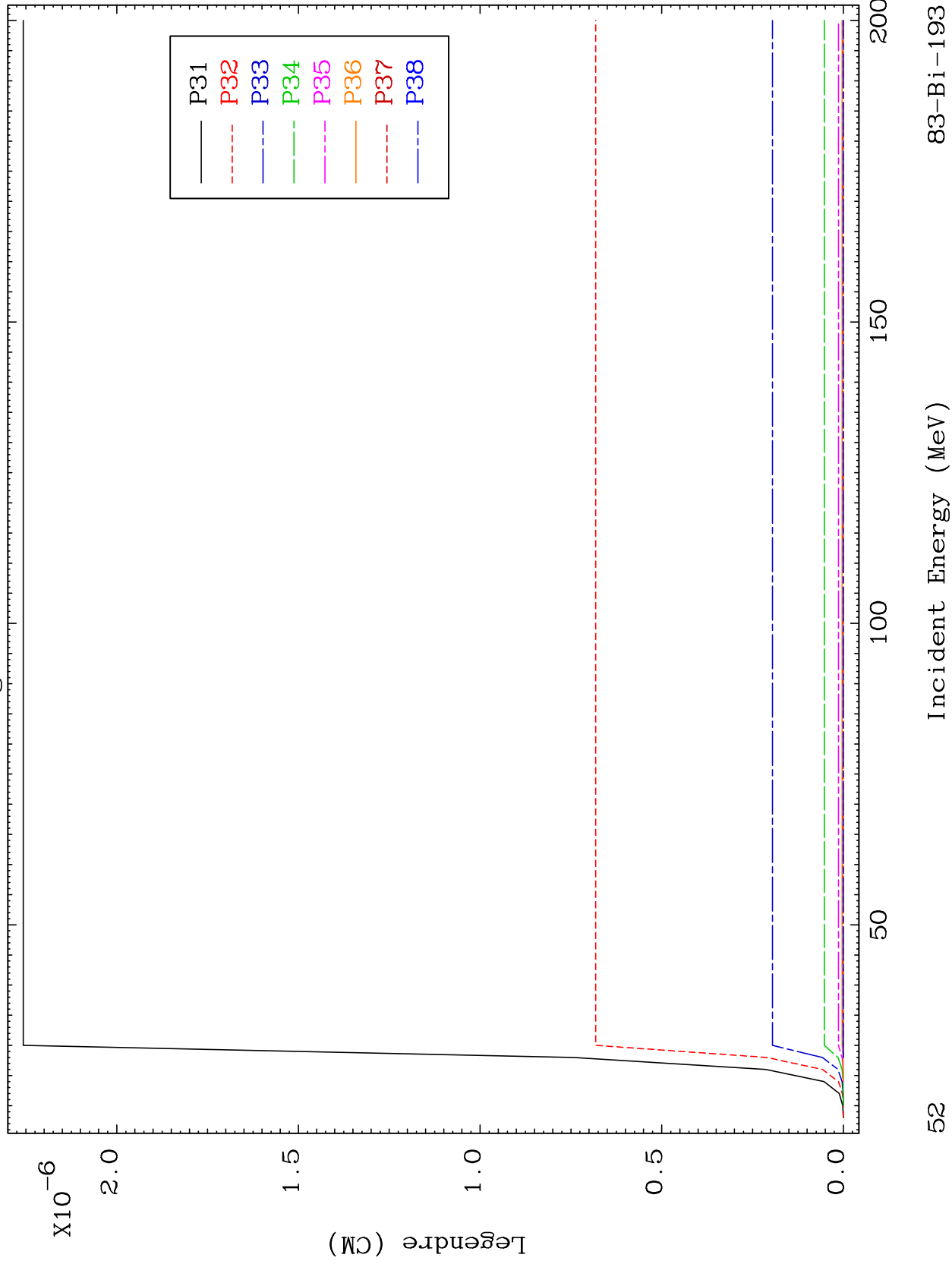
Incident Energy (MeV)

83-Bi-193

MAT 8277

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

83-Bi-193



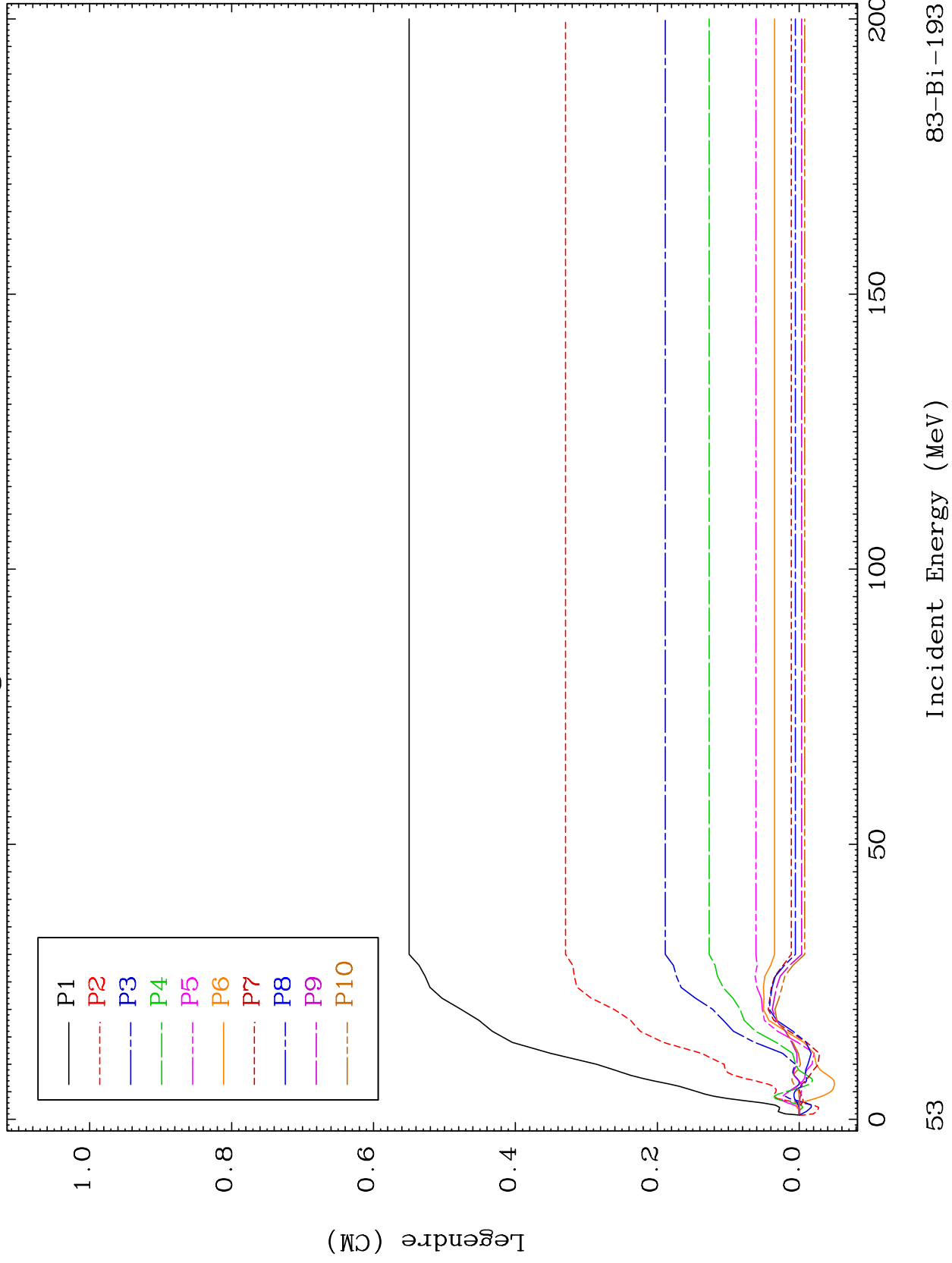
52

83-Bi-193

MAT 8277

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

83-Bi-193

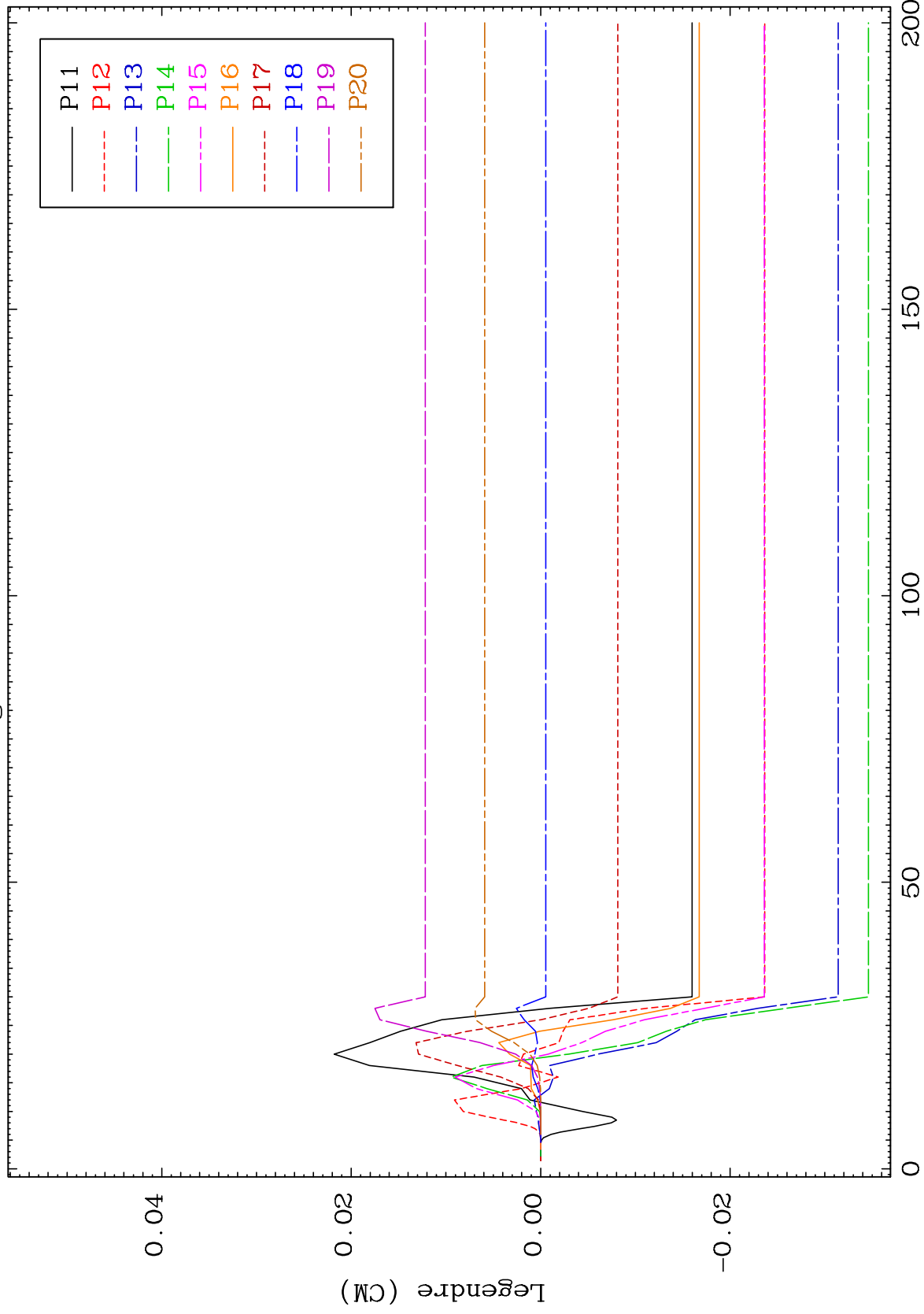


53

MAT 8277

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

83-Bi-193



54

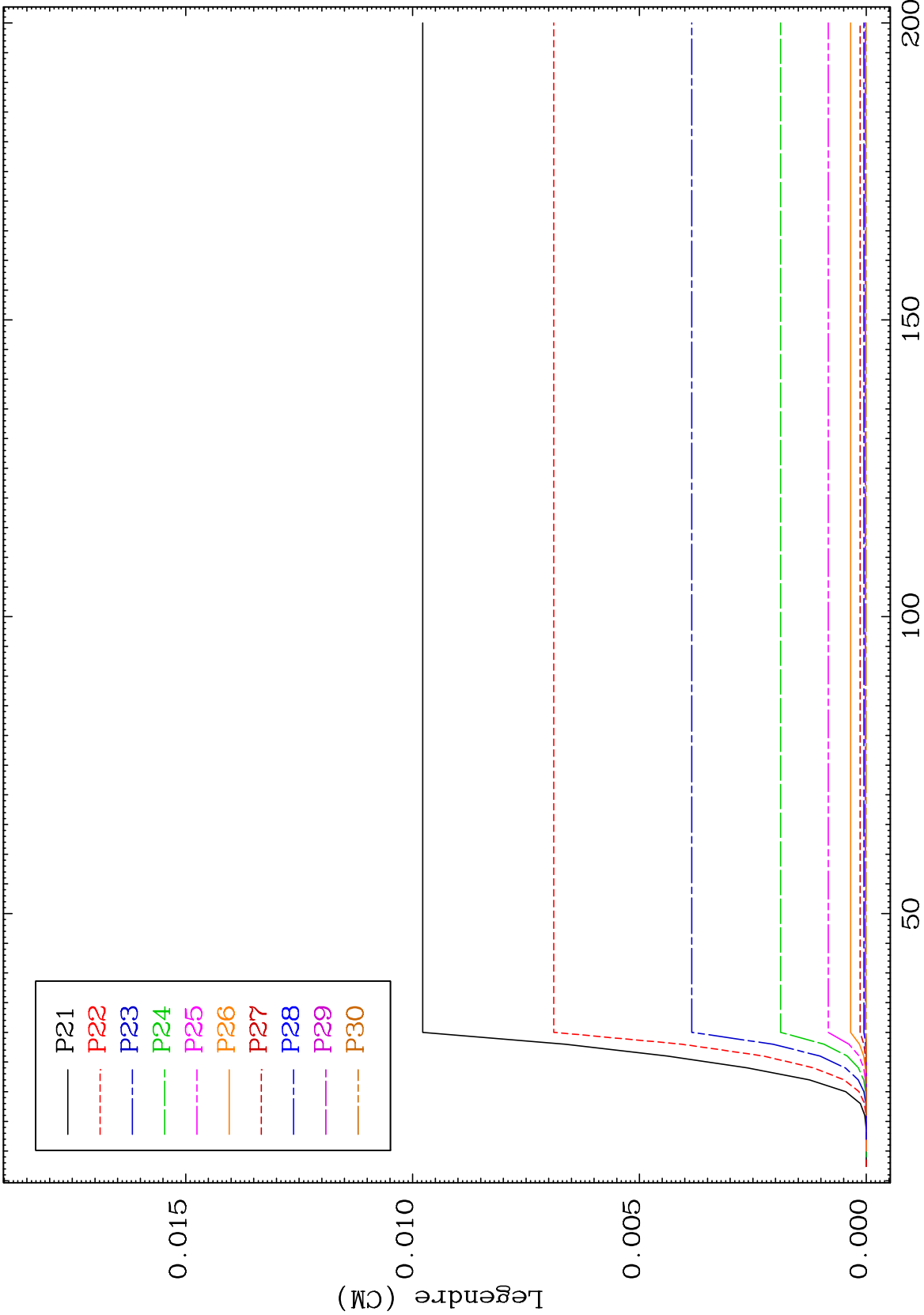
Incident Energy (MeV)

83-Bi-193

MAT 8277

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

83-Bi-193



55

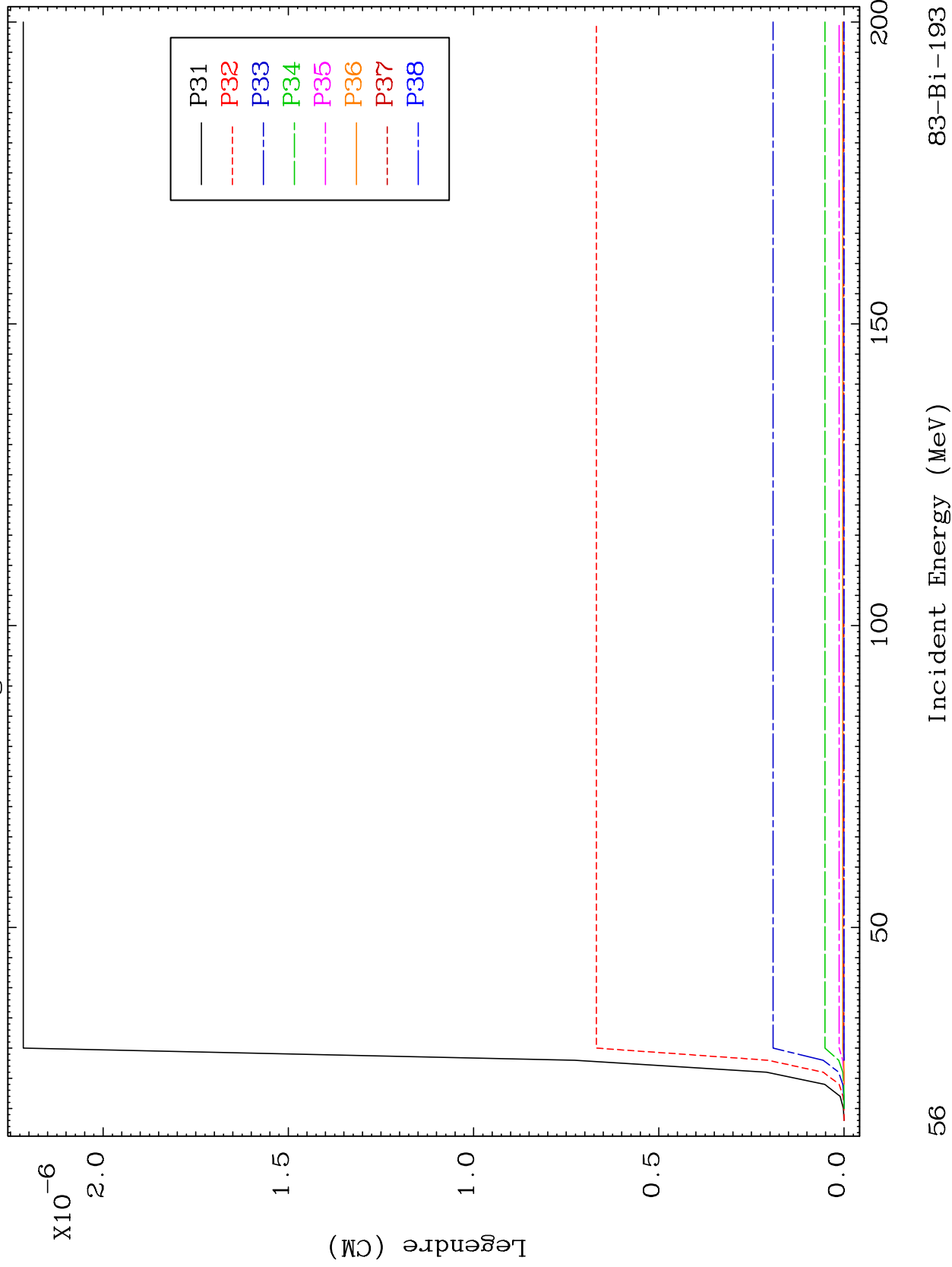
Incident Energy (MeV)

83-Bi-193

MAT 8277

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

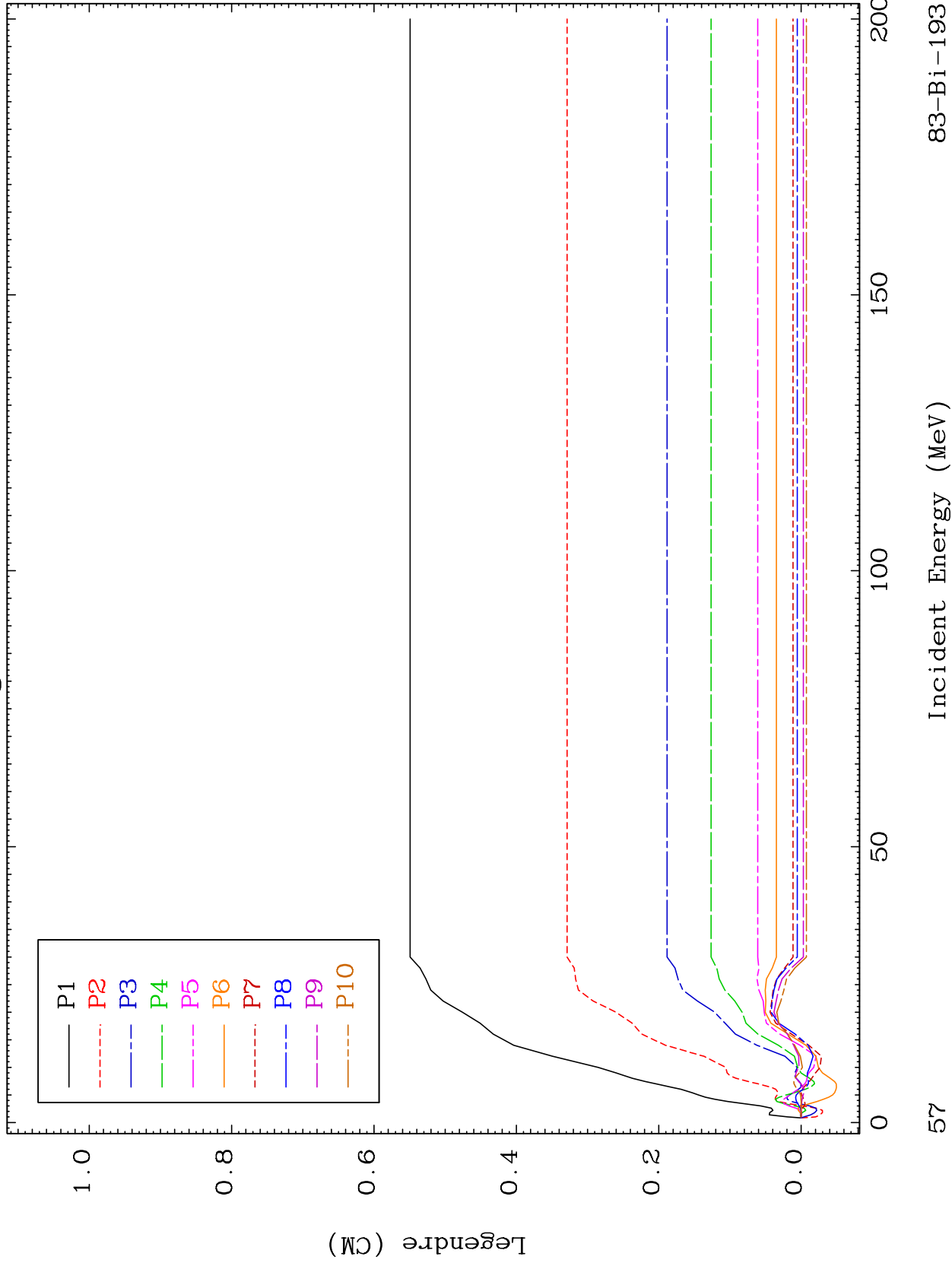
83-Bi-193



83-Bi-193

Incident Energy (MeV)

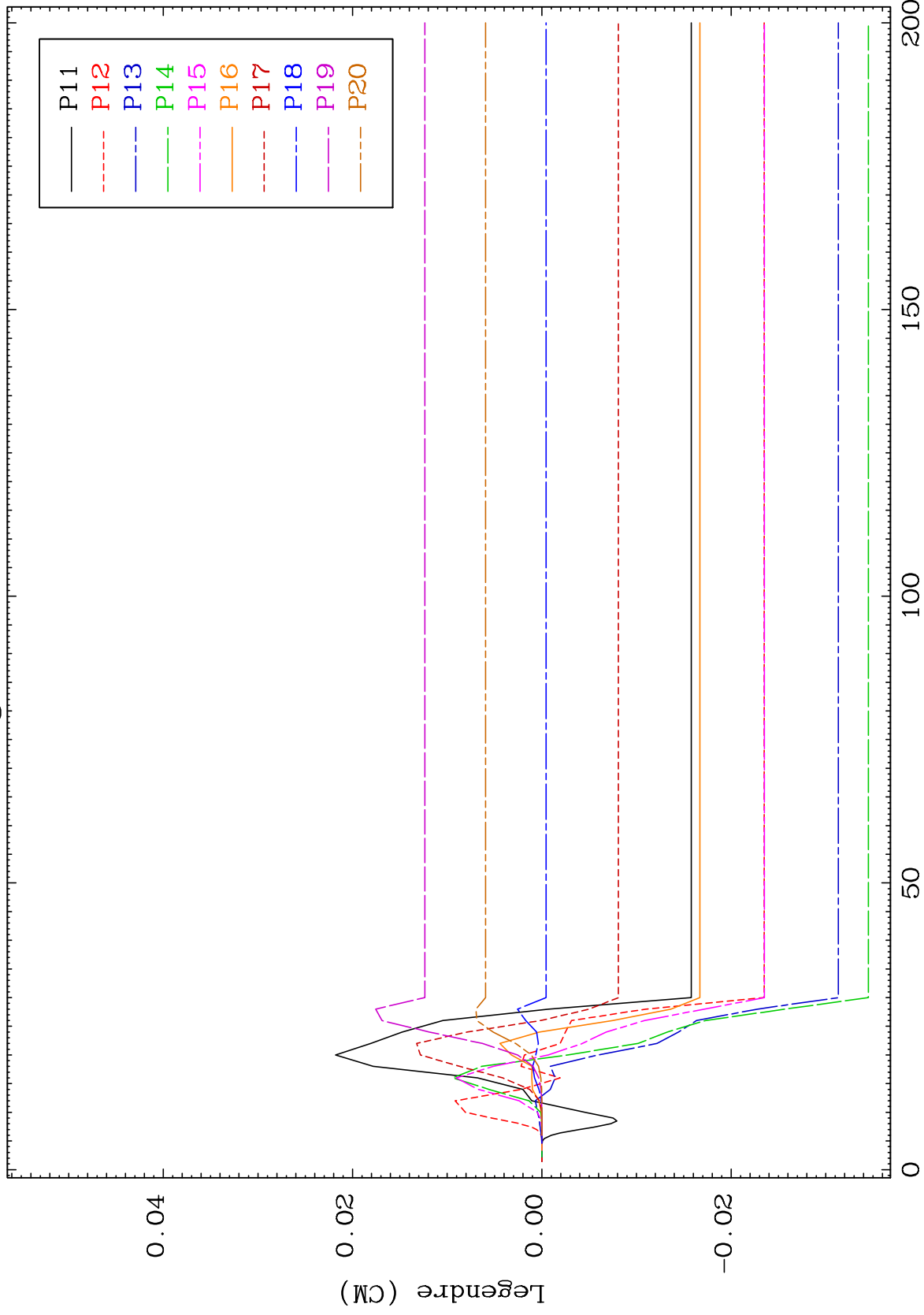
56



MAT 8277

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

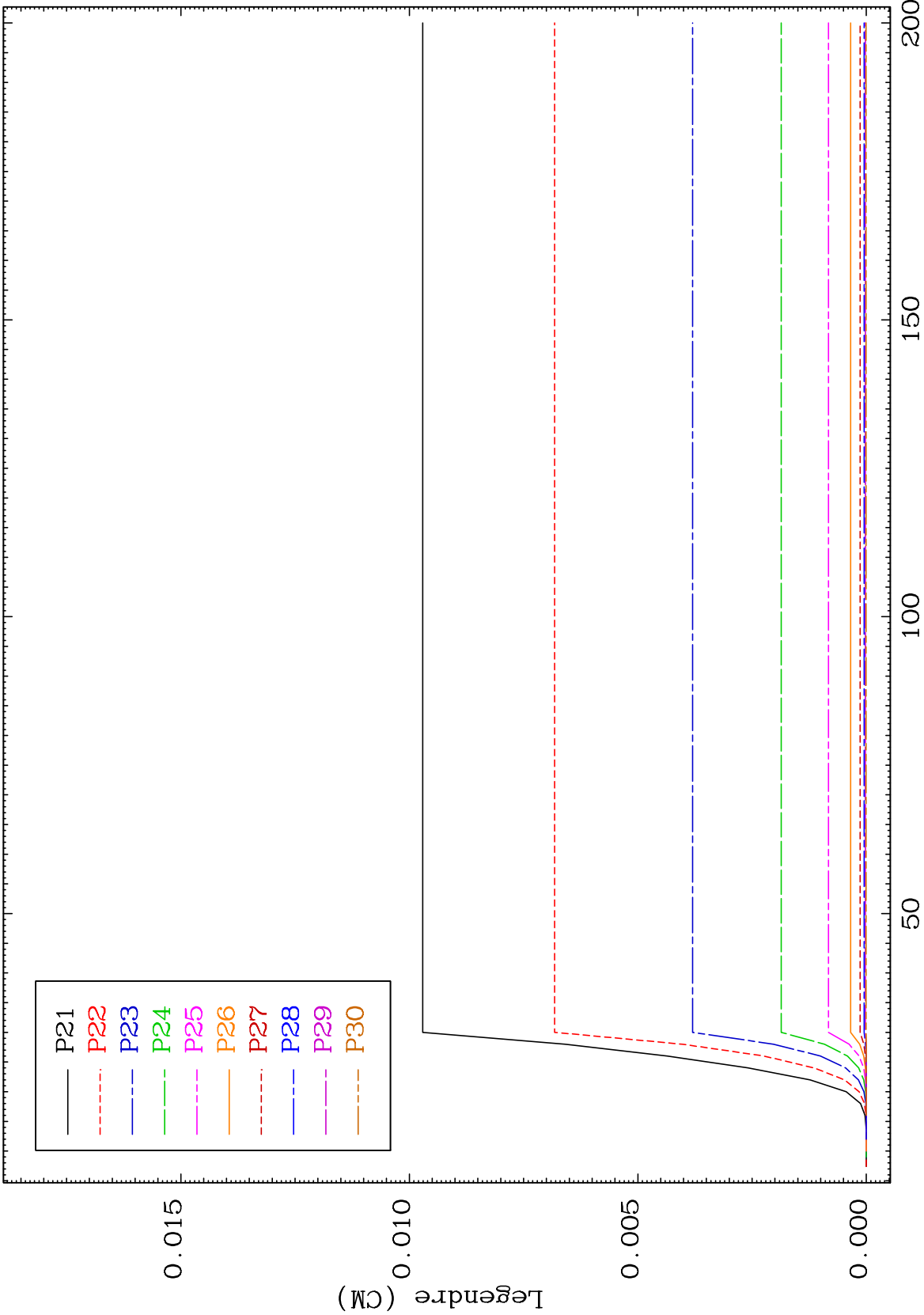
83-Bi-193



58

Incident Energy (MeV)

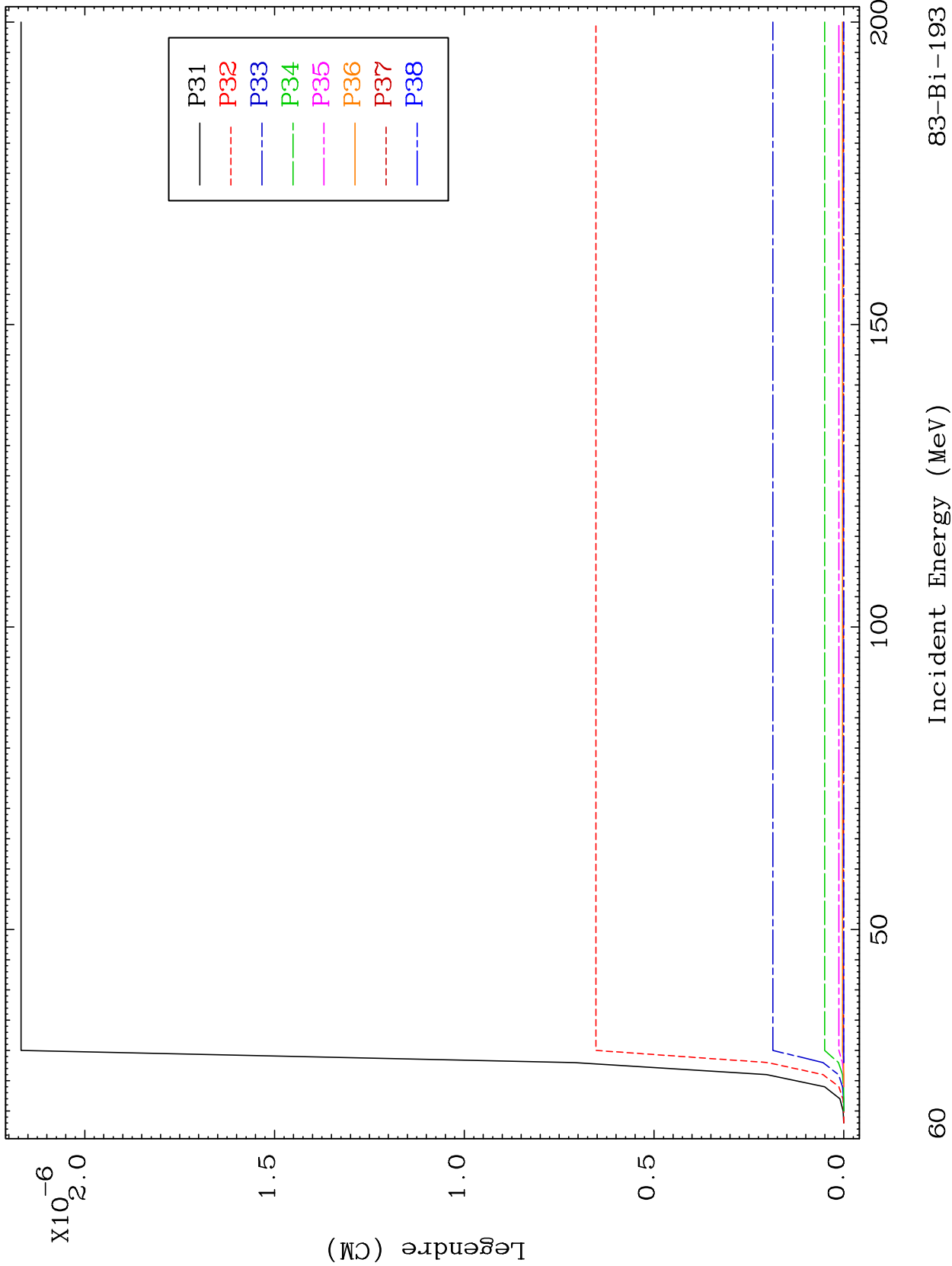
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MAT 8277

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

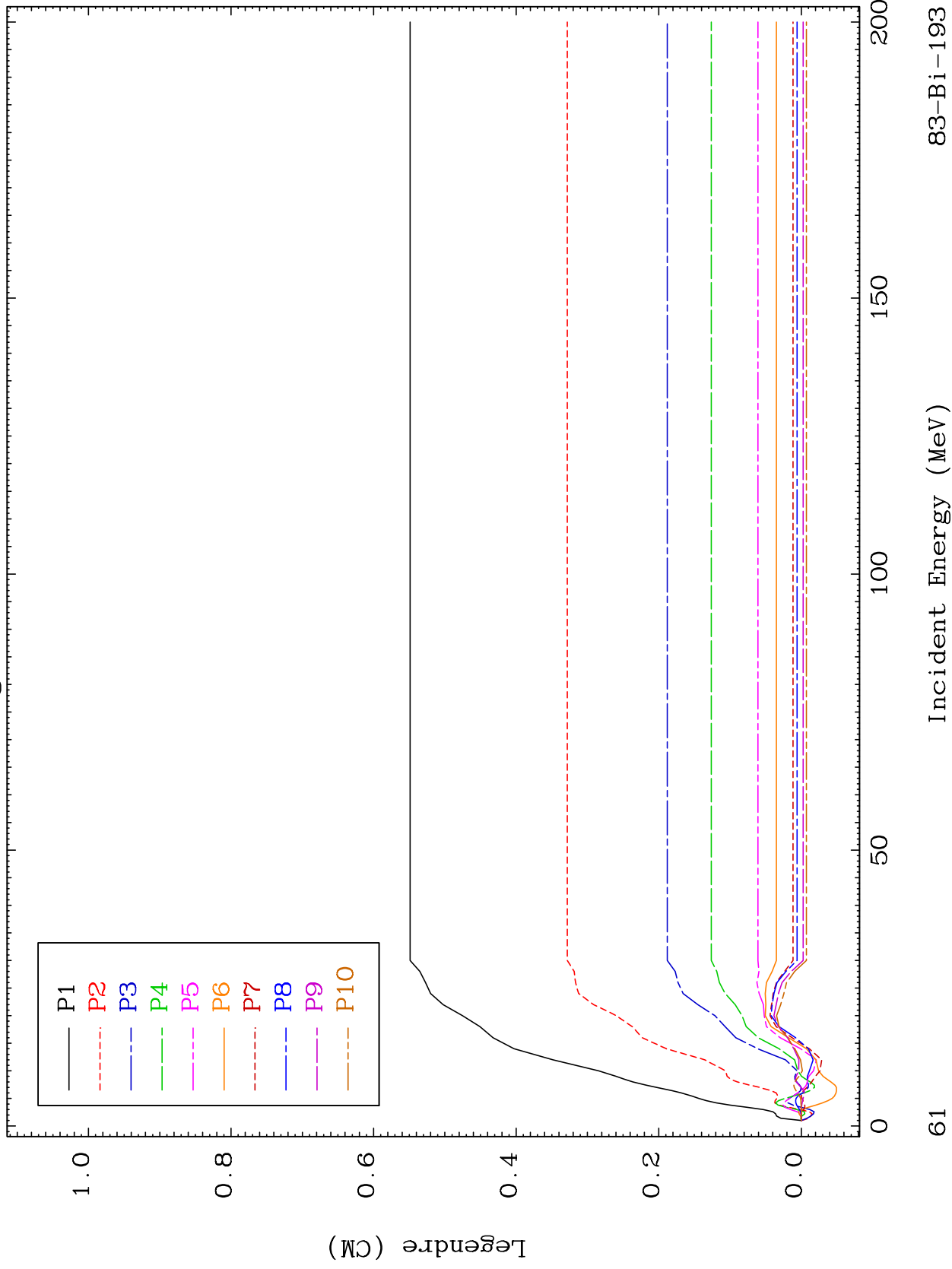
83-Bi-193



MAT 8277

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

83-Bi-193



61

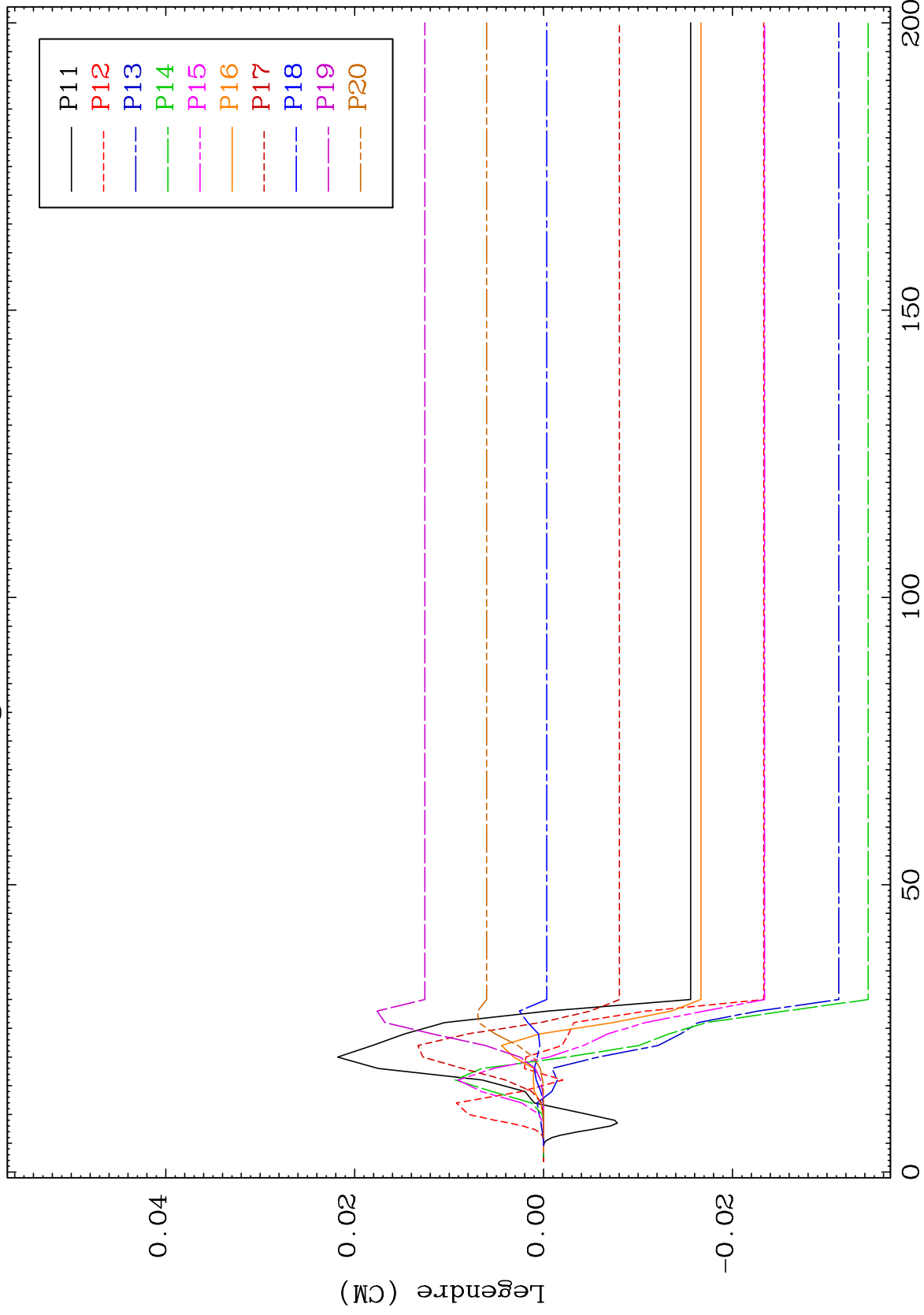
Incident Energy (MeV)

83-Bi-193

MAT 82777

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

83-Bi-193



83-Bi-193

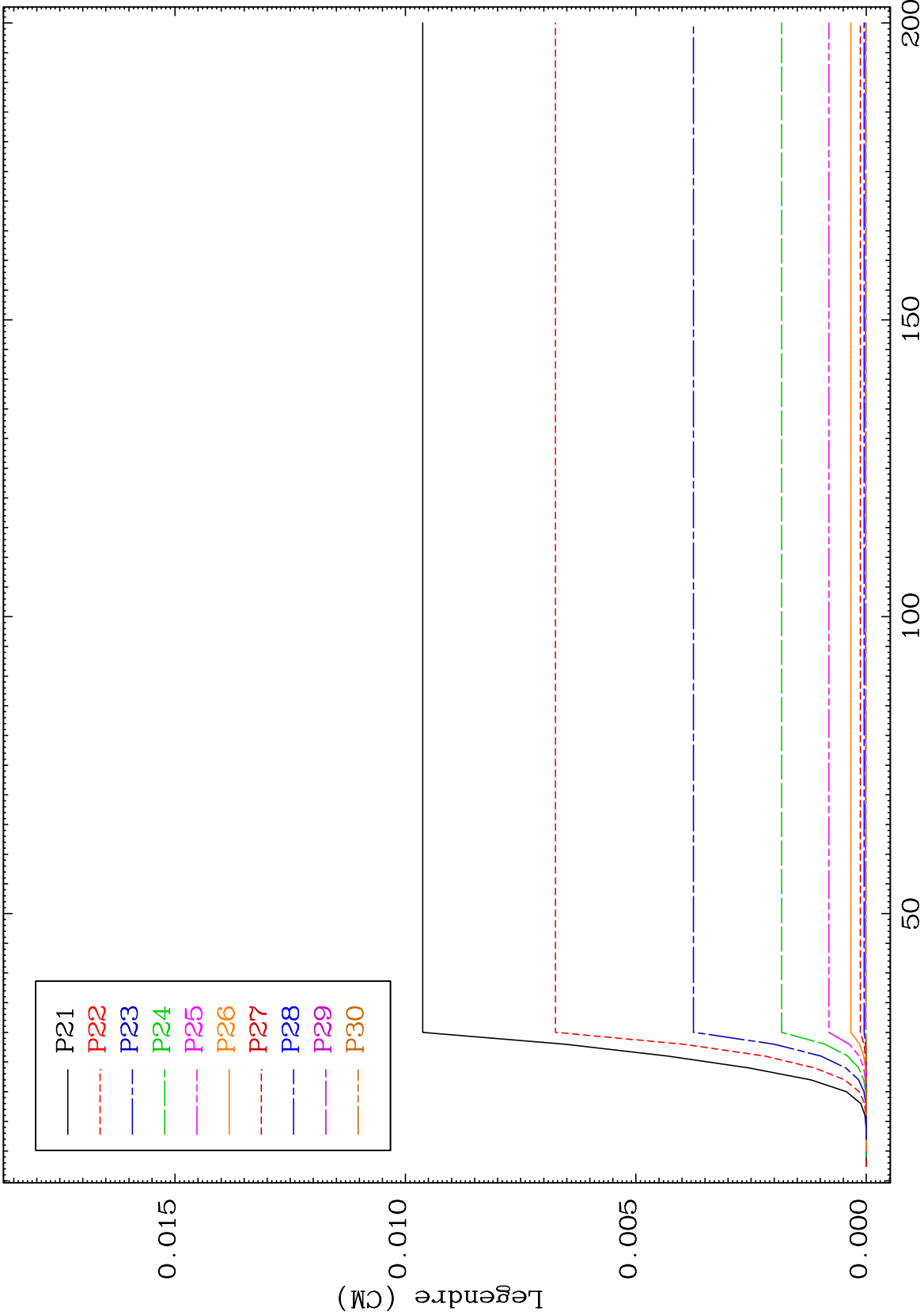
Incident Energy (MeV)

62

MAT 8277

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

83-Bi-193



63

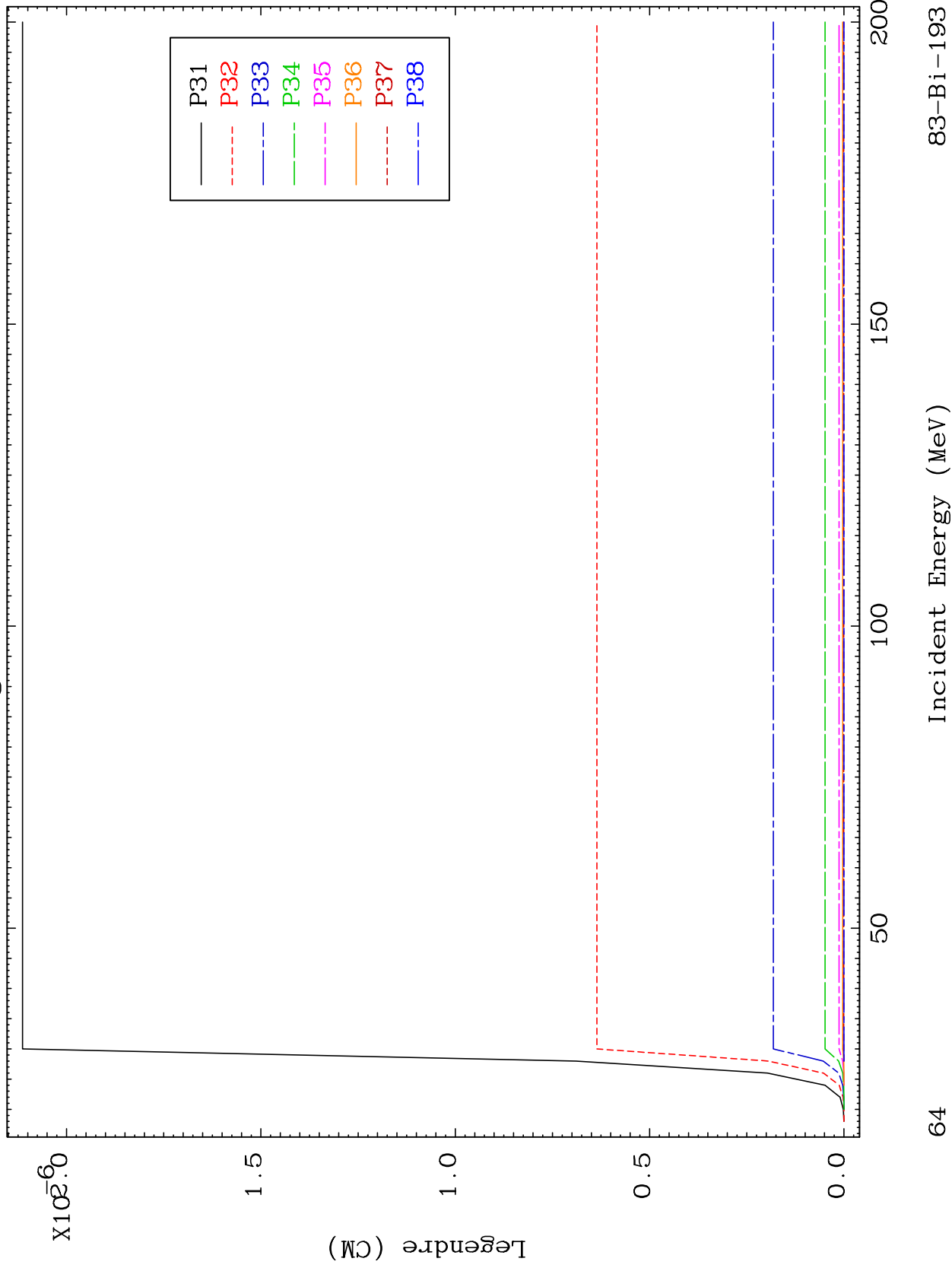
Incident Energy (MeV)

83-Bi-193

MAT 8277

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

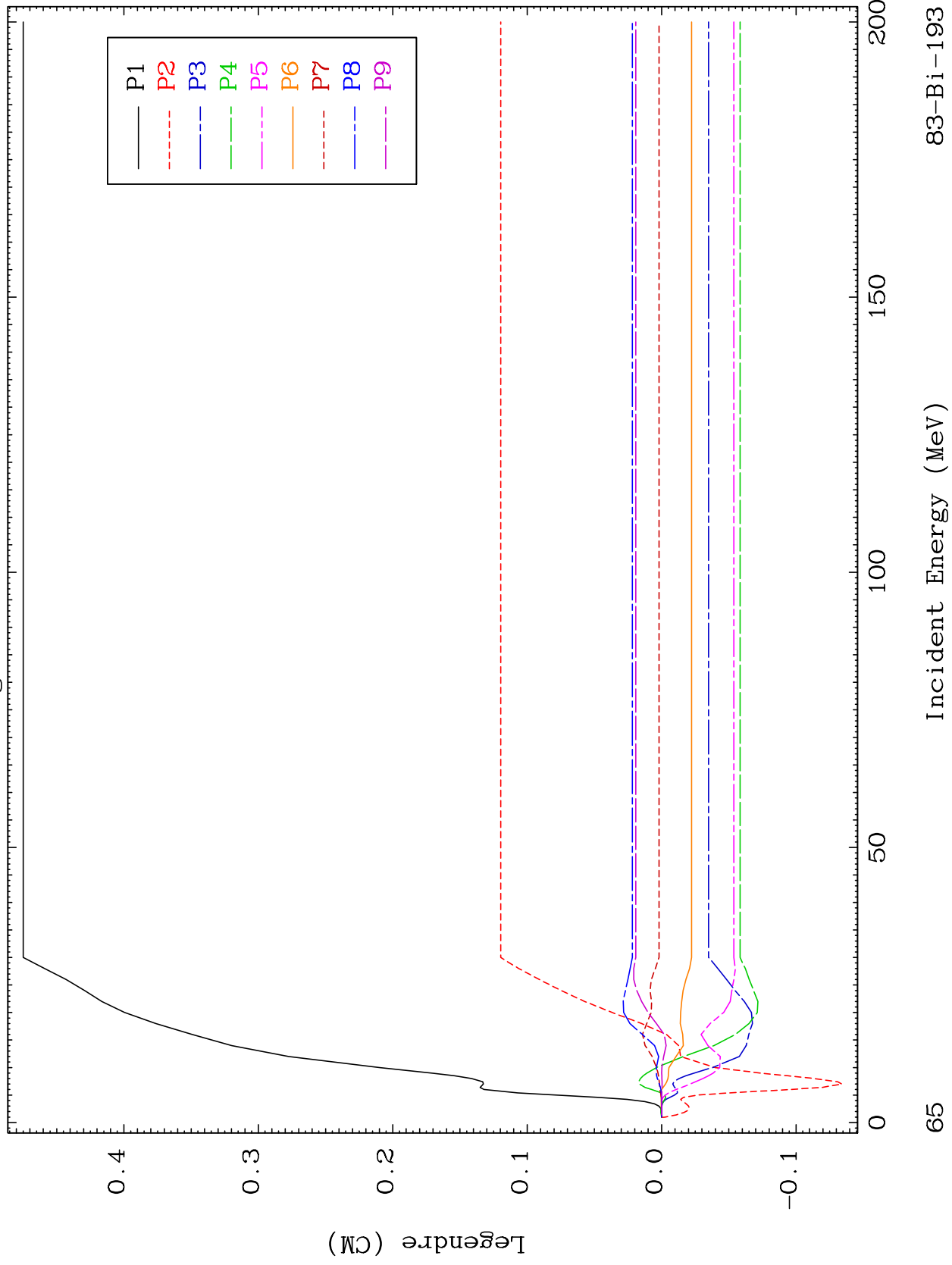
83-Bi-193



MAT 8277

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

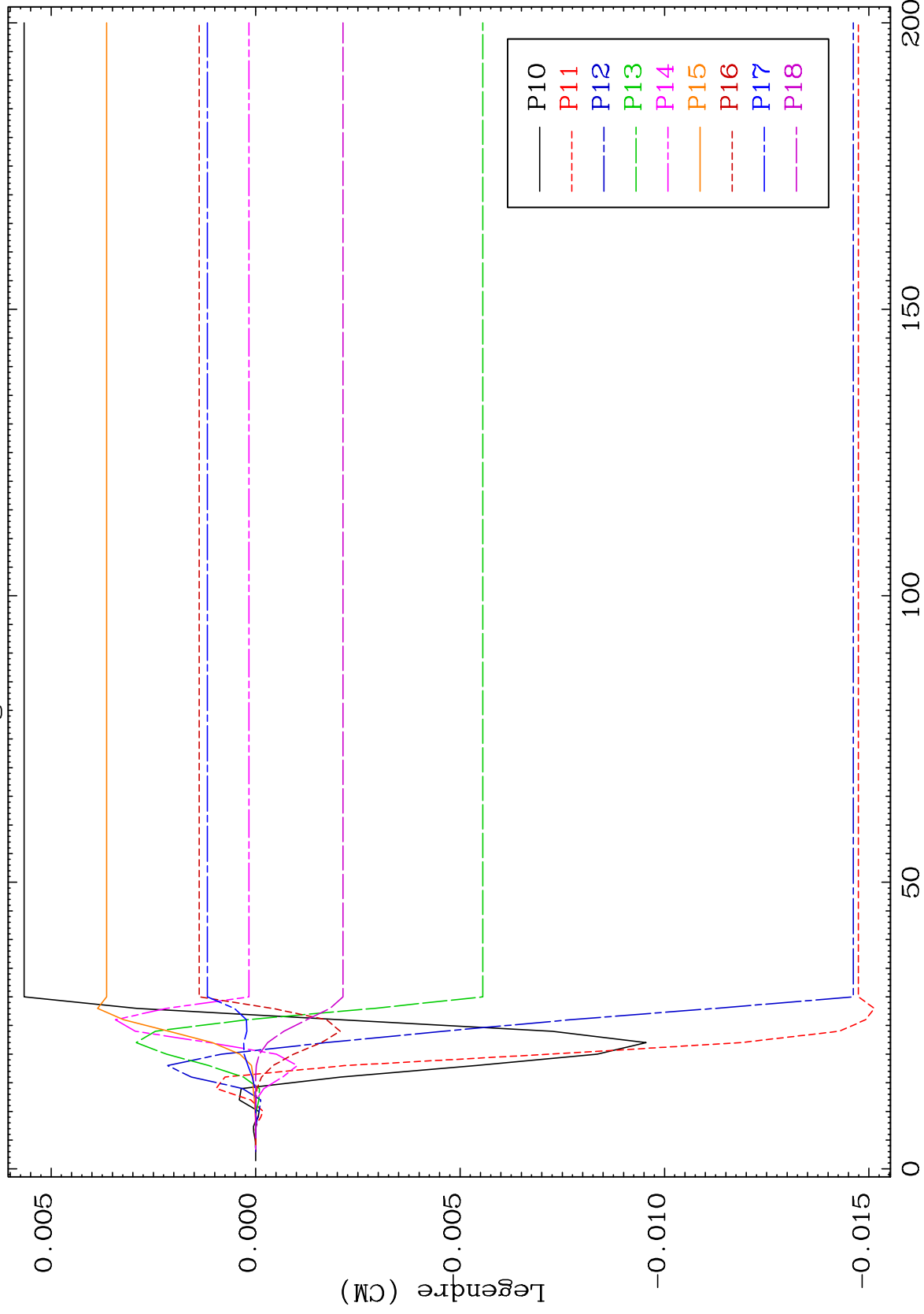
83-Bi-193



83-Bi-193

Incident Energy (MeV)

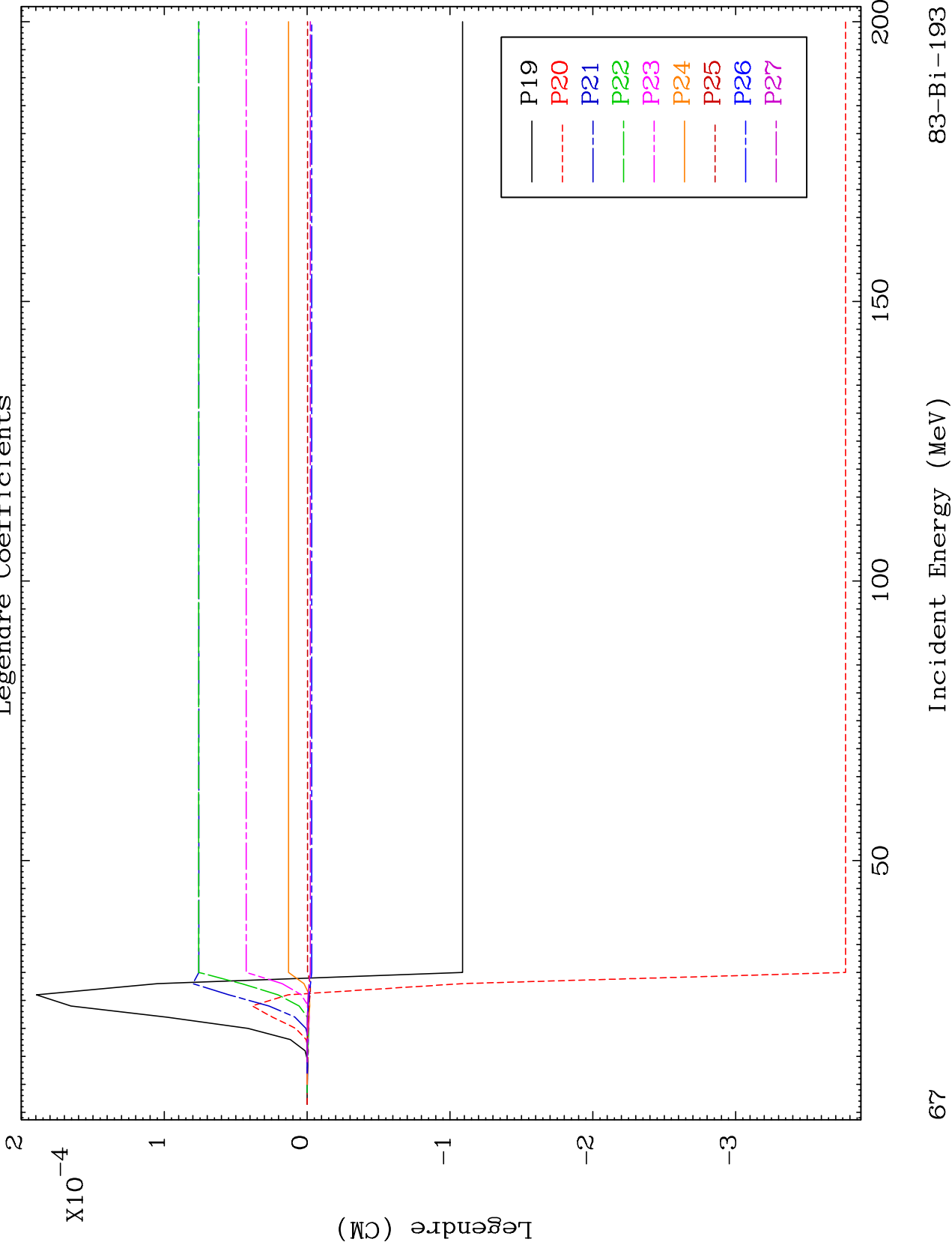
65



MAT 8277

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

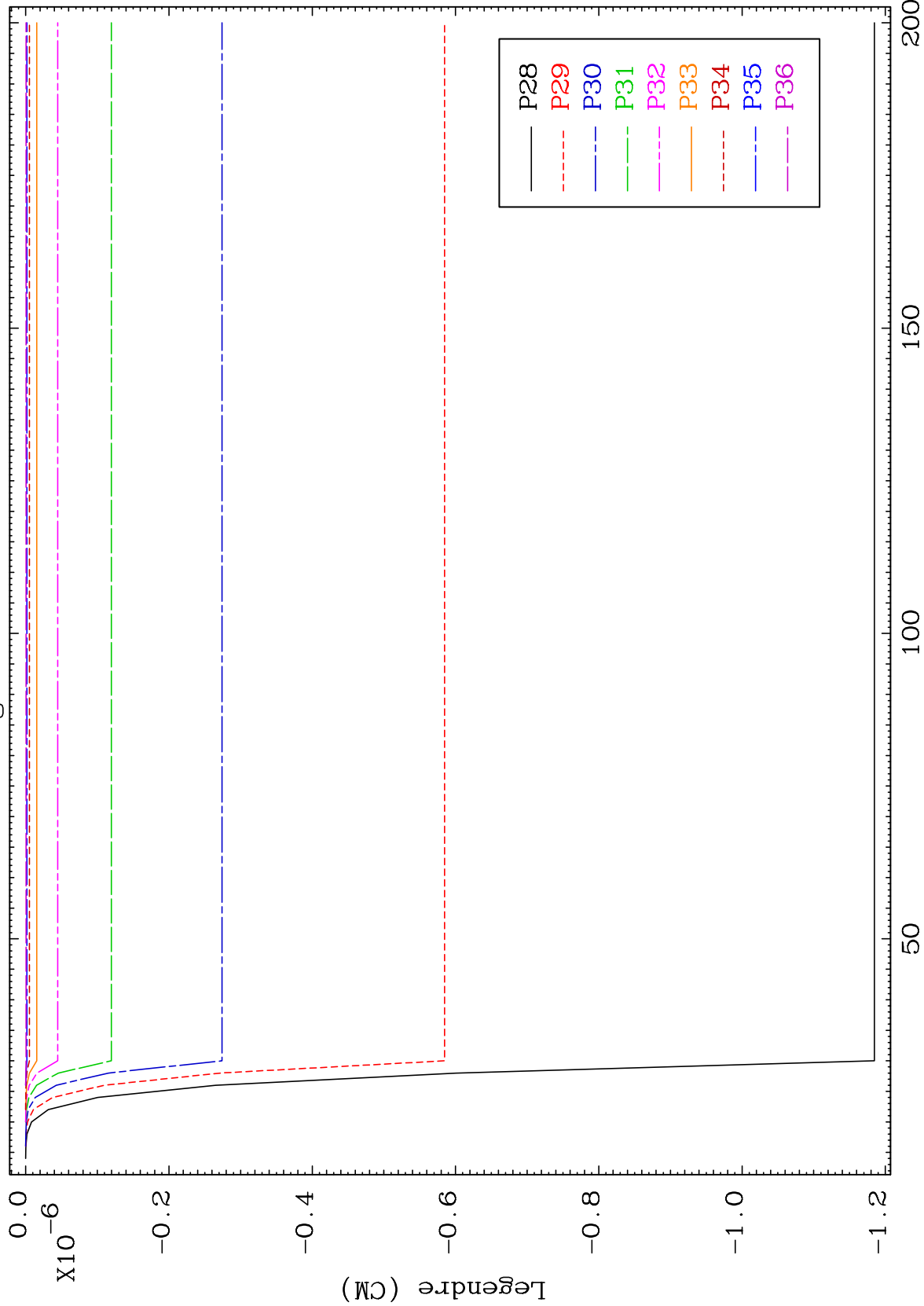
83-Bi-193



MAT 8277

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

83-Bi-193



68

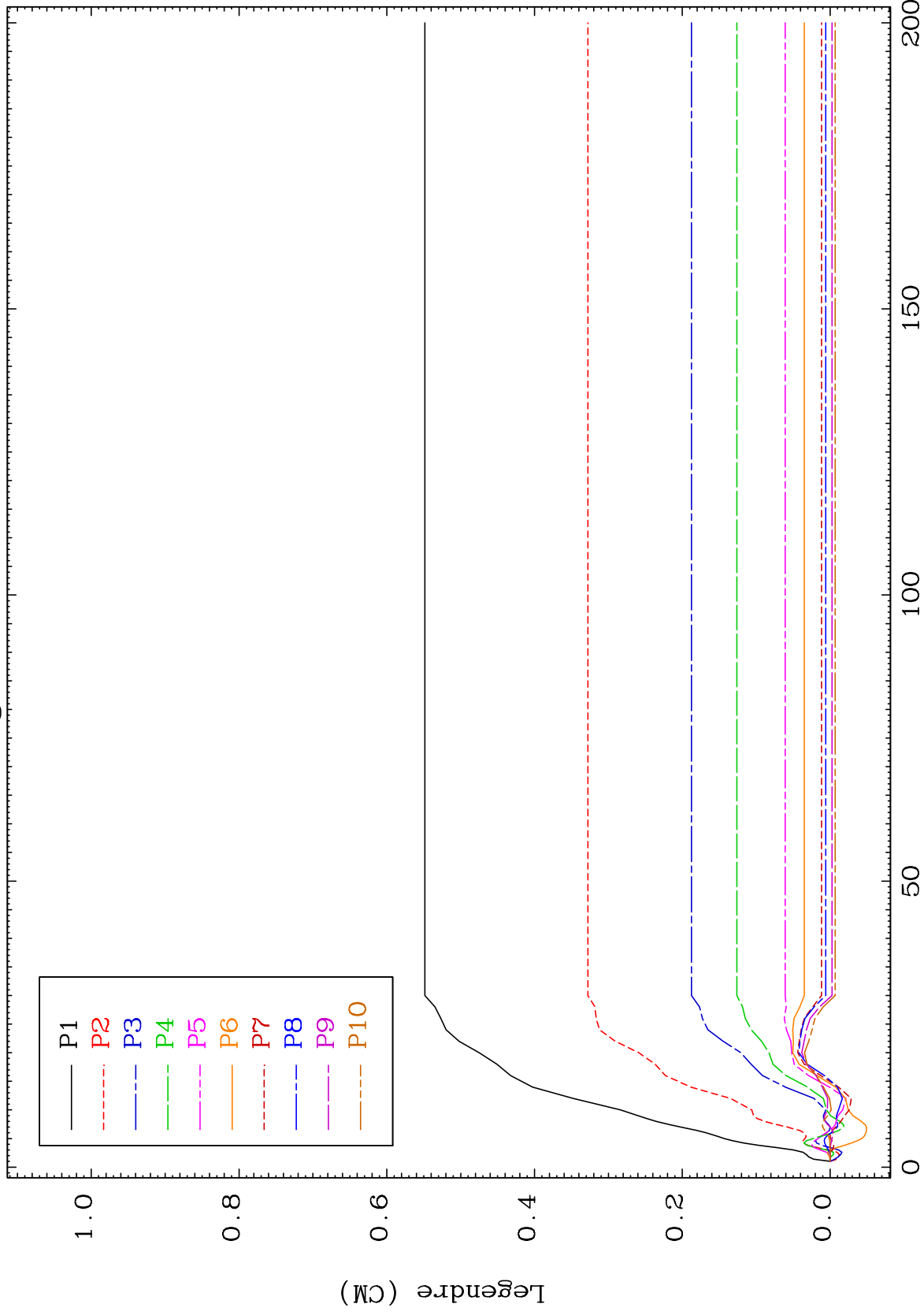
Incident Energy (MeV)

83-Bi-193

MAT 8277

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

83-Bi-193



69

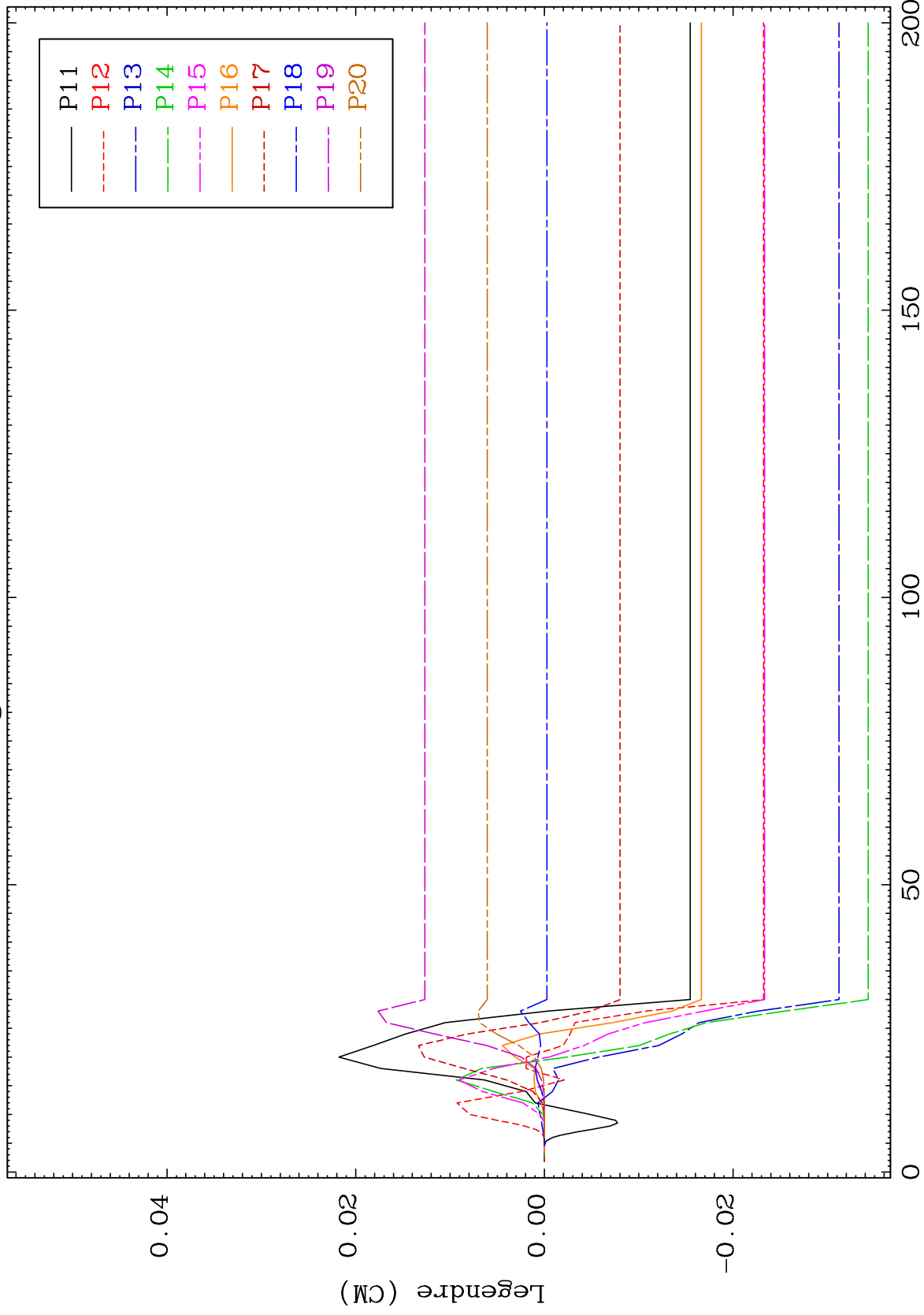
Incident Energy (MeV)

83-Bi-193

MAT 8277

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

83-Bi-193



70

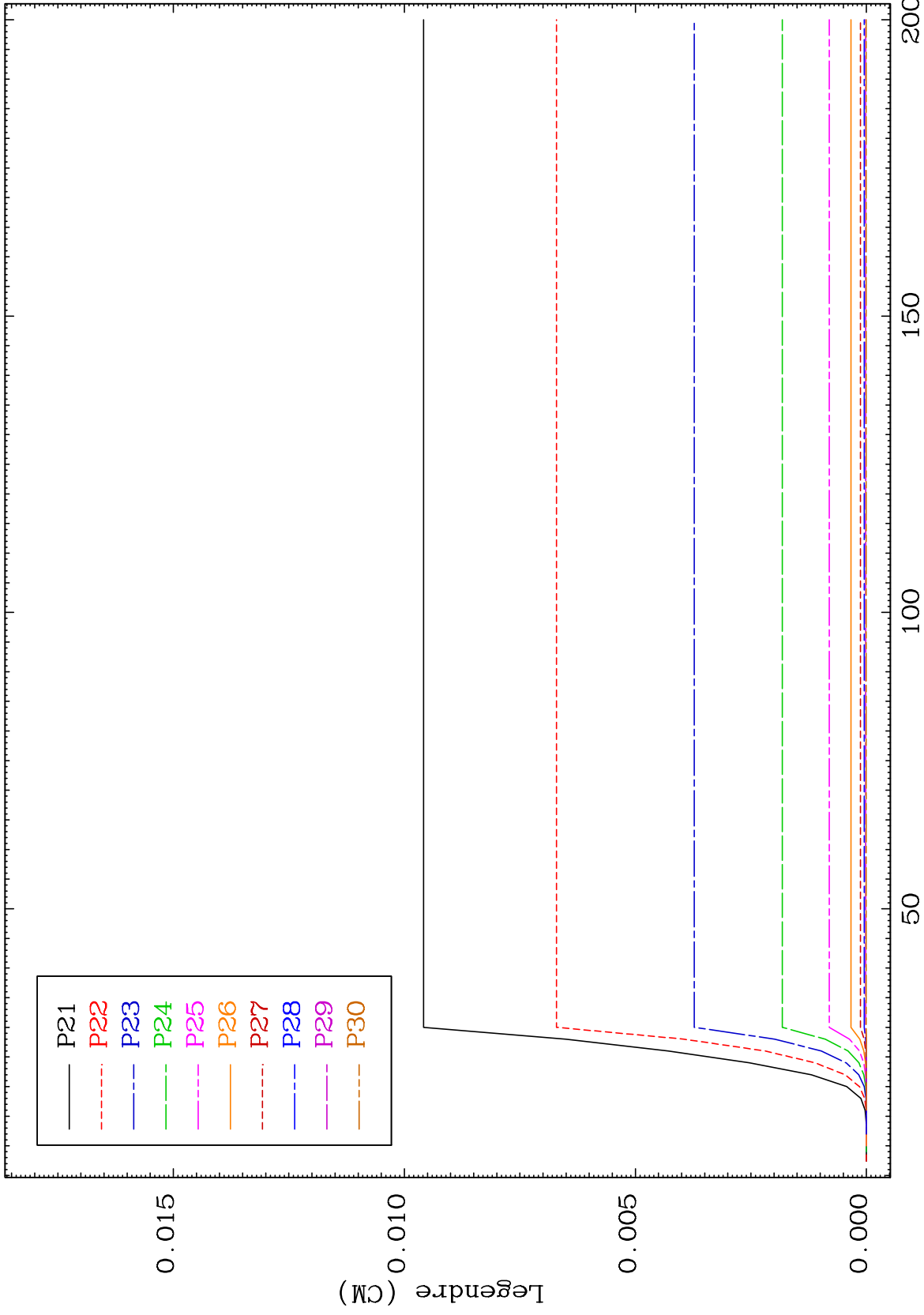
Incident Energy (MeV)

83-Bi-193

MAT 82777

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

83-Bi-193



71

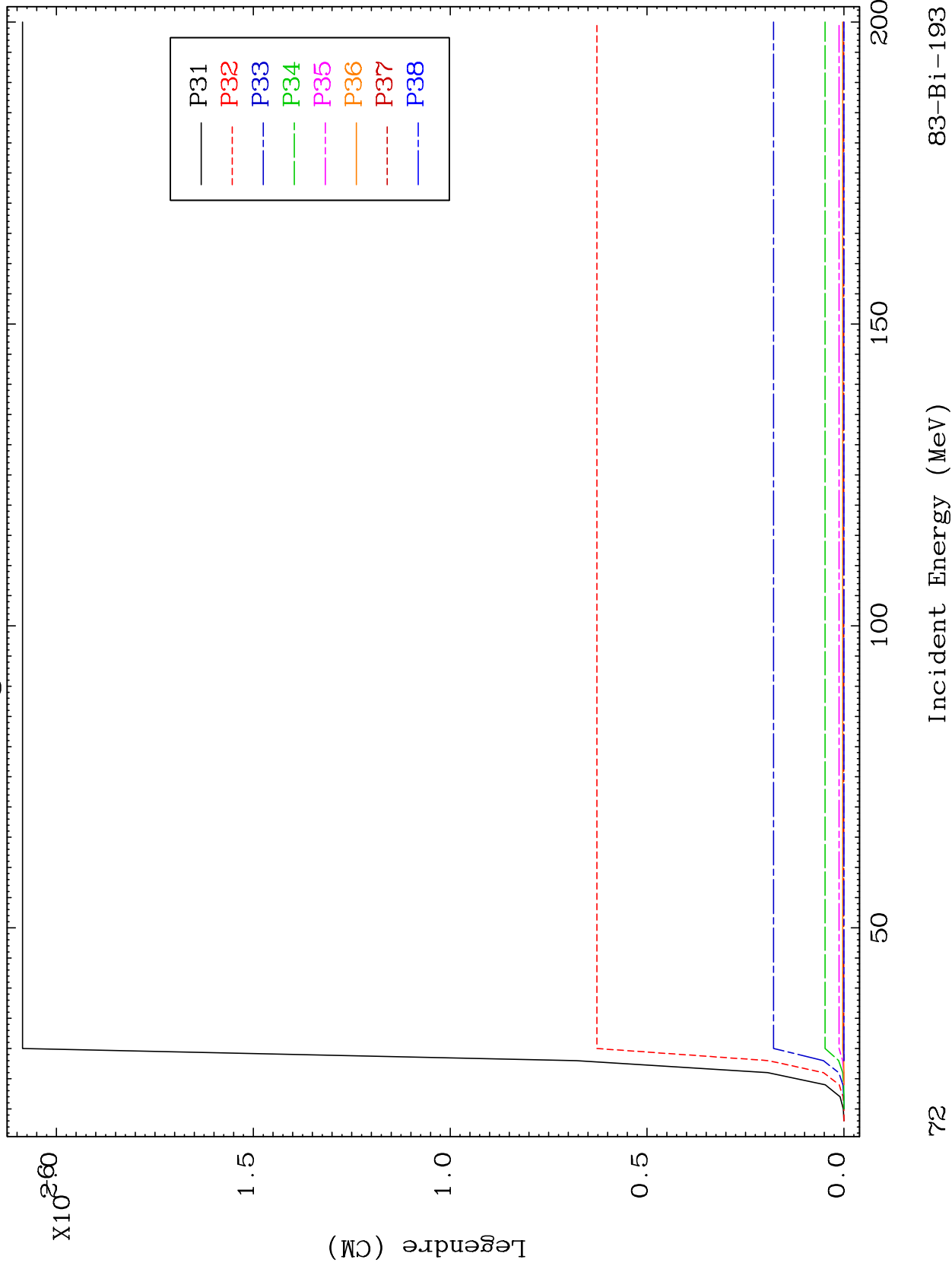
Incident Energy (MeV)

83-Bi-193

MAT 8277

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

83-Bi-193



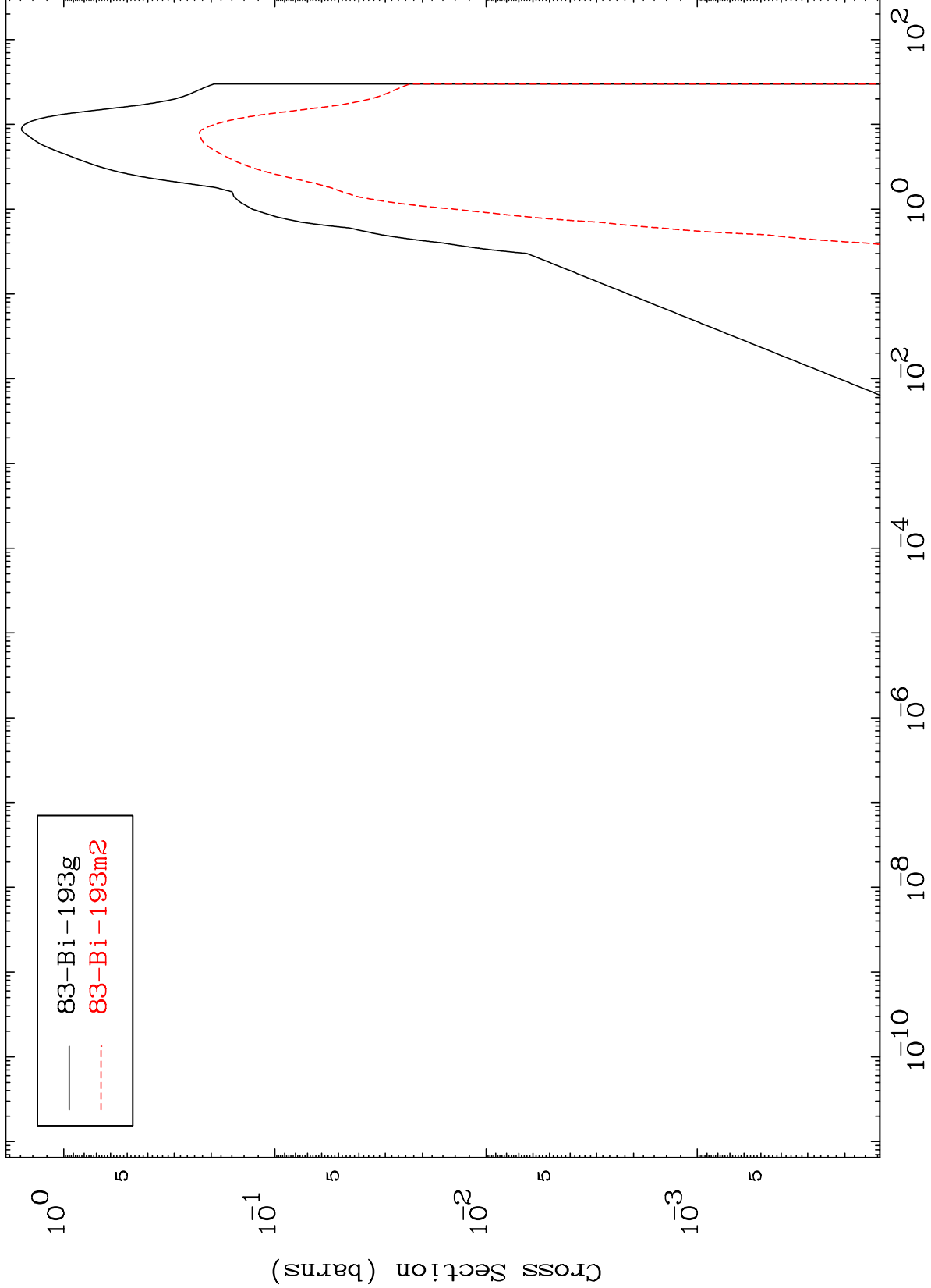
72

83-Bi-193

MAT 8277

Inelastic
Radionuclide Production Cross Section

83-Bi-193



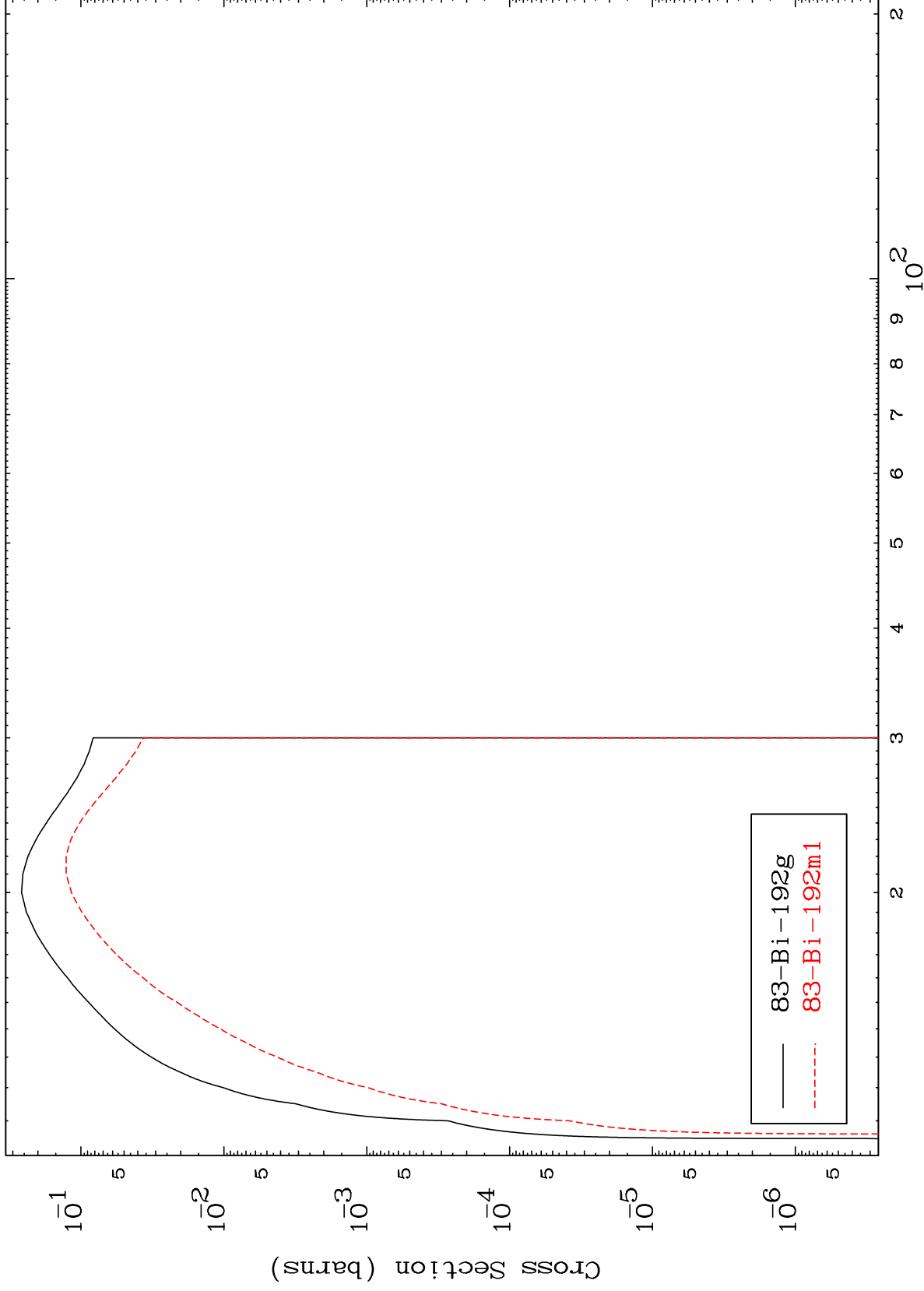
— 83-Bi-193g
- - - 83-Bi-193m2

73

Incident Energy (MeV)

83-Bi-193

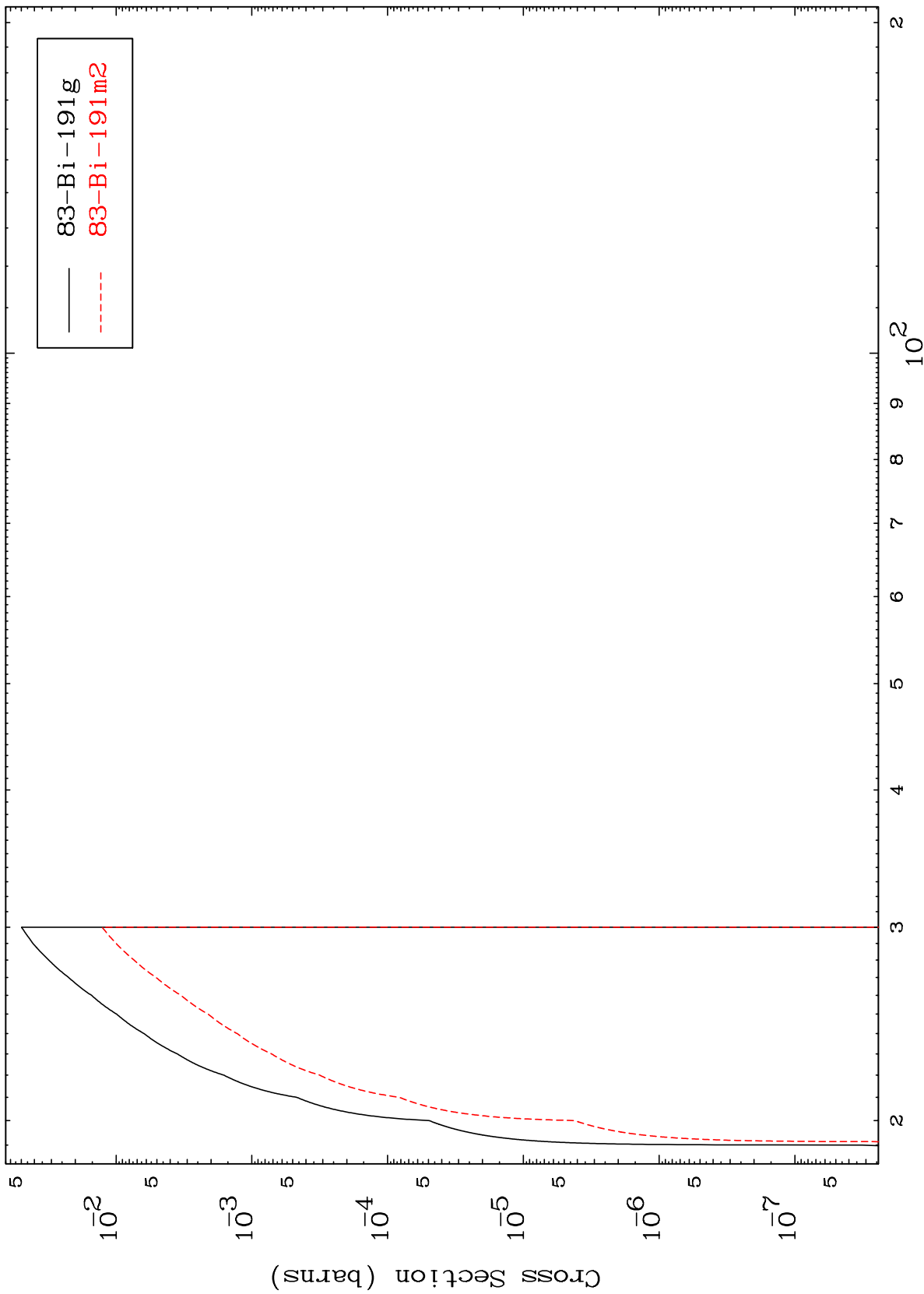
(n,2n)
Radionuclide Production Cross Section



MAT 82777

83-Bi-193

(n,3n)
Radionuclide Production Cross Section



75

Incident Energy (MeV)

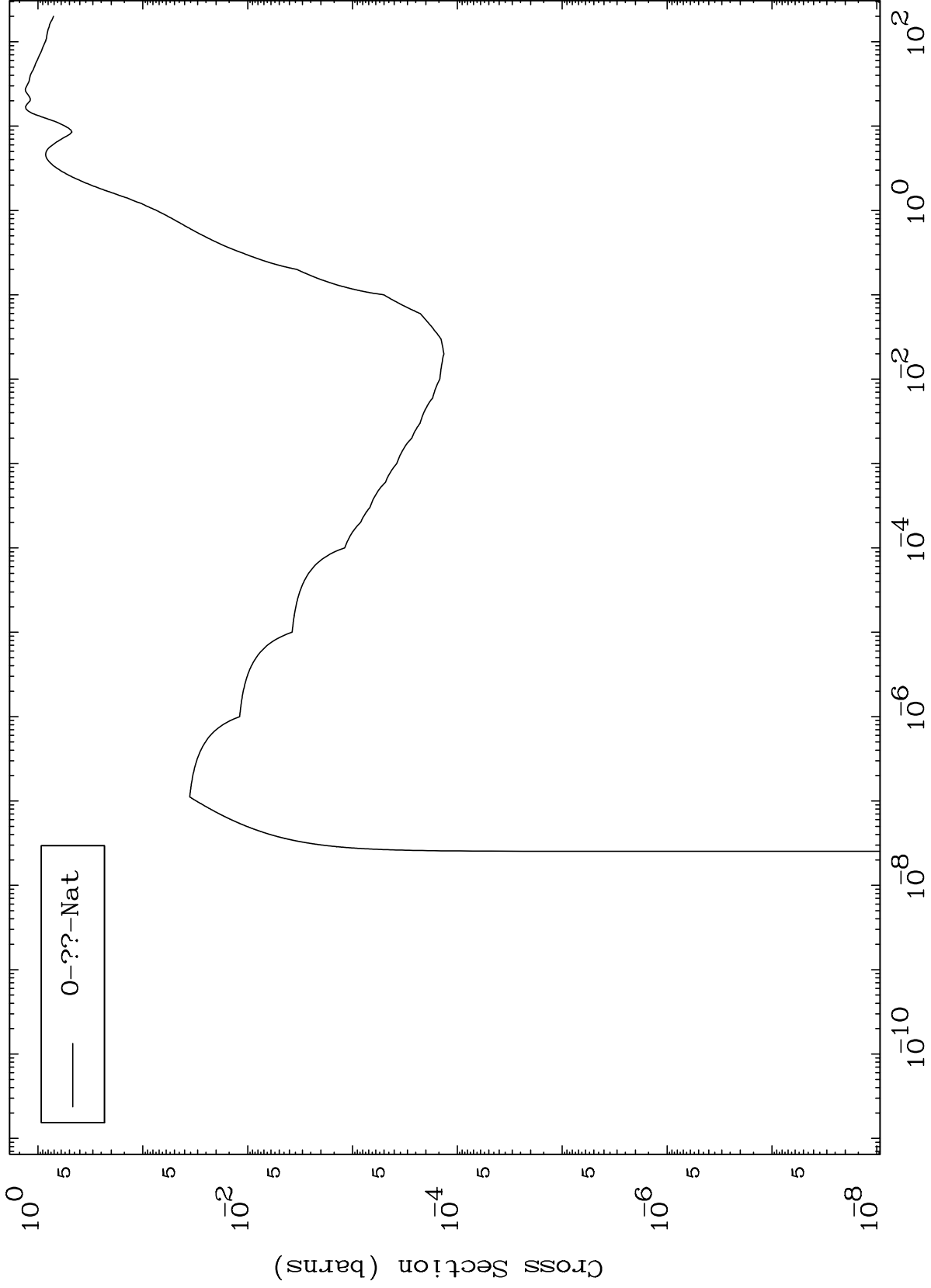
83-Bi-193

MAT 8277

Fission

83-Bi-193

Radionuclide Production Cross Section



76

Incident Energy (MeV)

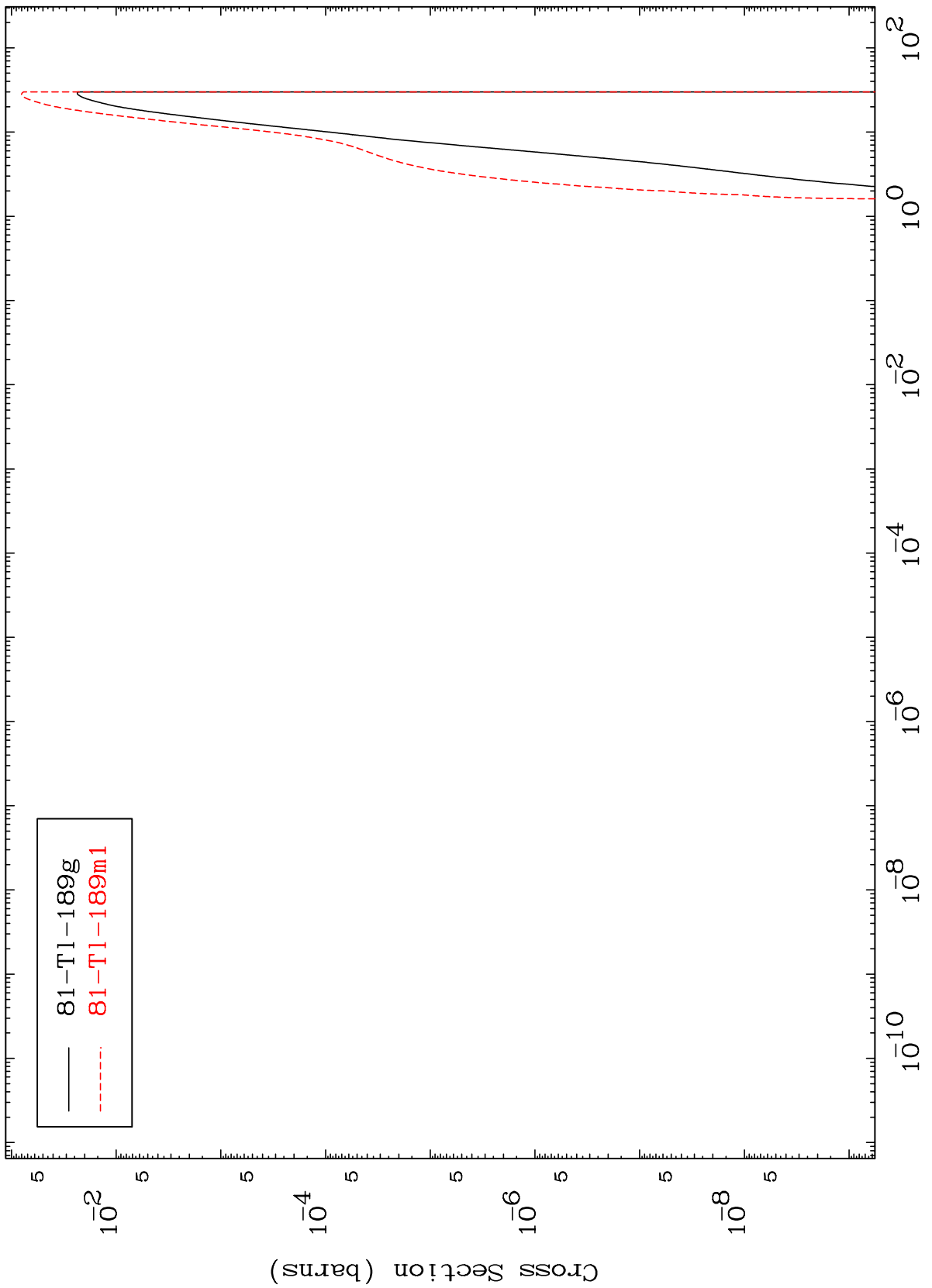
83-Bi-193

MAT 8277

$(n, n') \alpha$

83-Bi-193

Radionuclide Production Cross Section



77

Incident Energy (MeV)

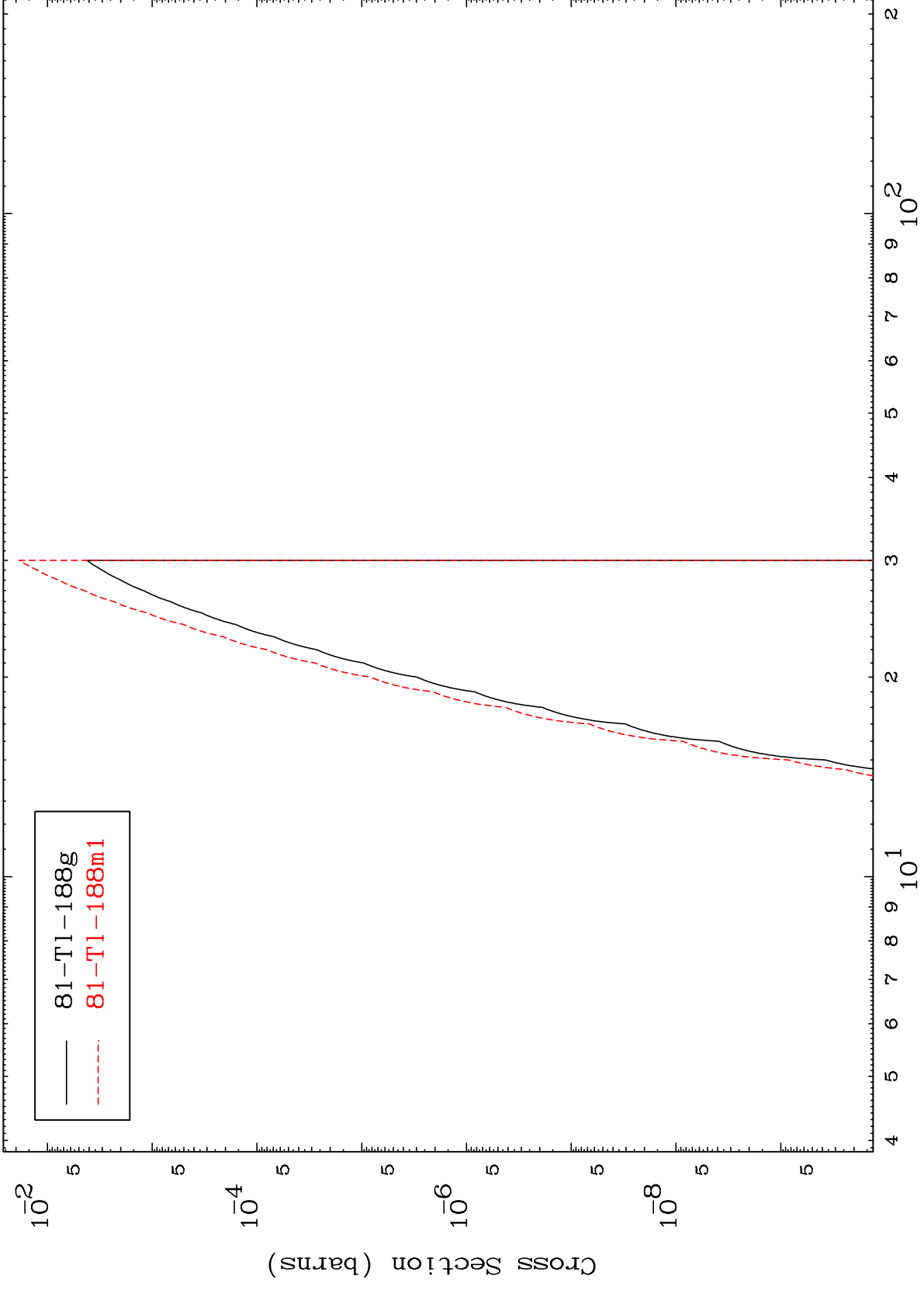
83-Bi-193

MAT 8277

$(n, 2n) \alpha$

83-Bi-193

Radionuclide Production Cross Section



81-Tl-188g
81-Tl-188m1

78

Incident Energy (MeV)

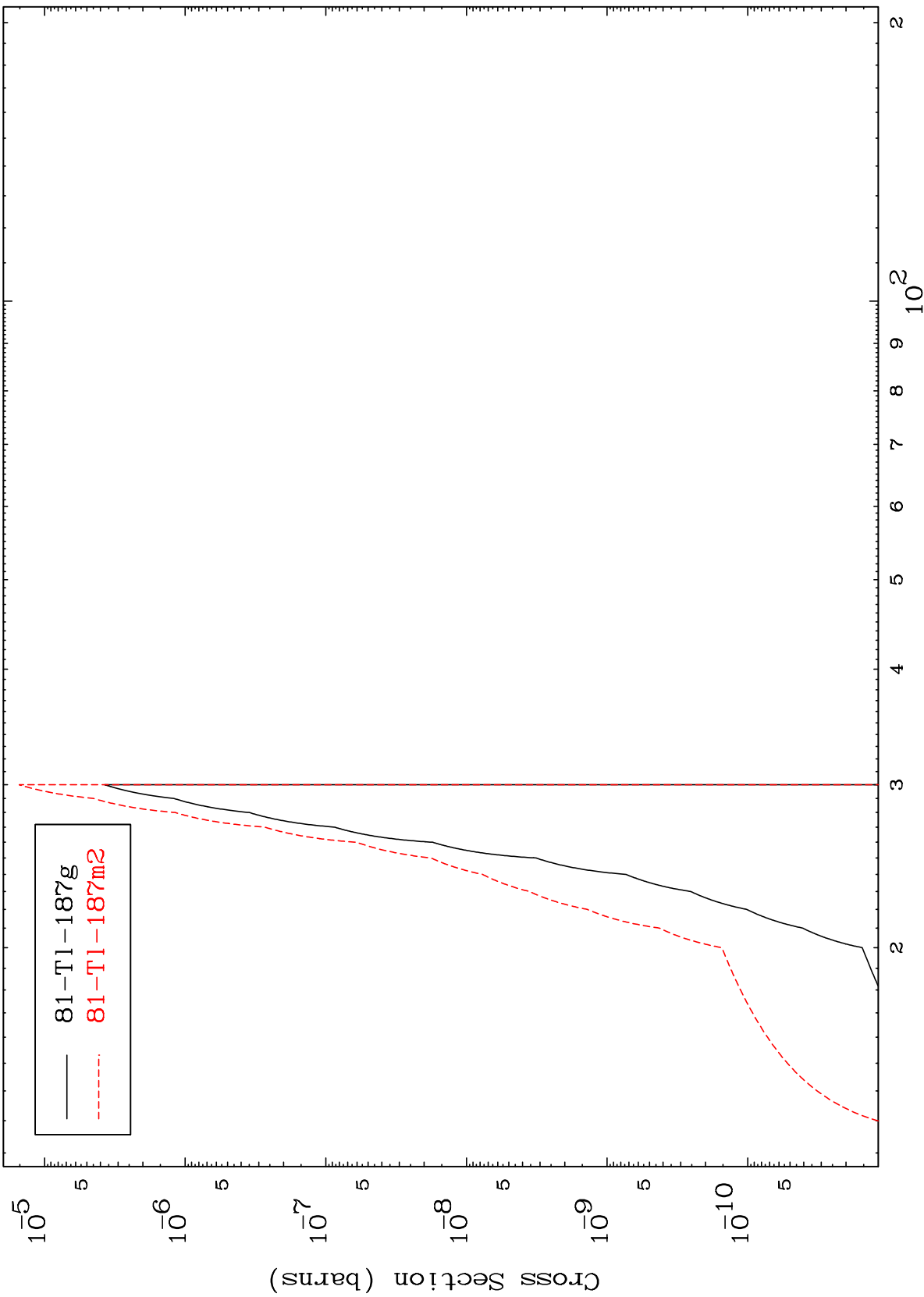
83-Bi-193

MAT 8277

(n,3n) α

83-Bi-193

Radionuclide Production Cross Section



79

Incident Energy (MeV)

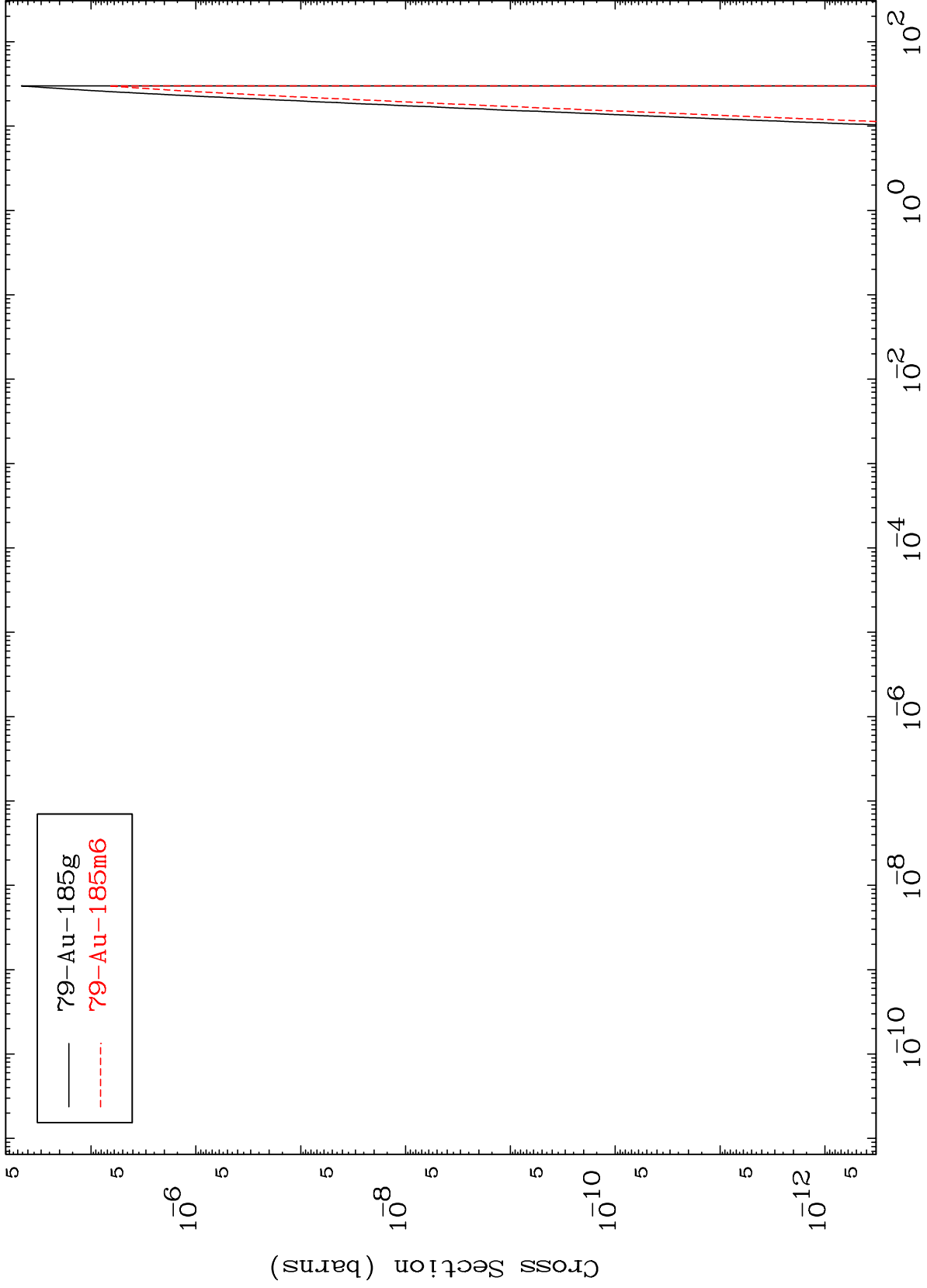
83-Bi-193

MAT 8277

(n,n') 2 α

83-Bi-193

Radionuclide Production Cross Section



80

Incident Energy (MeV)

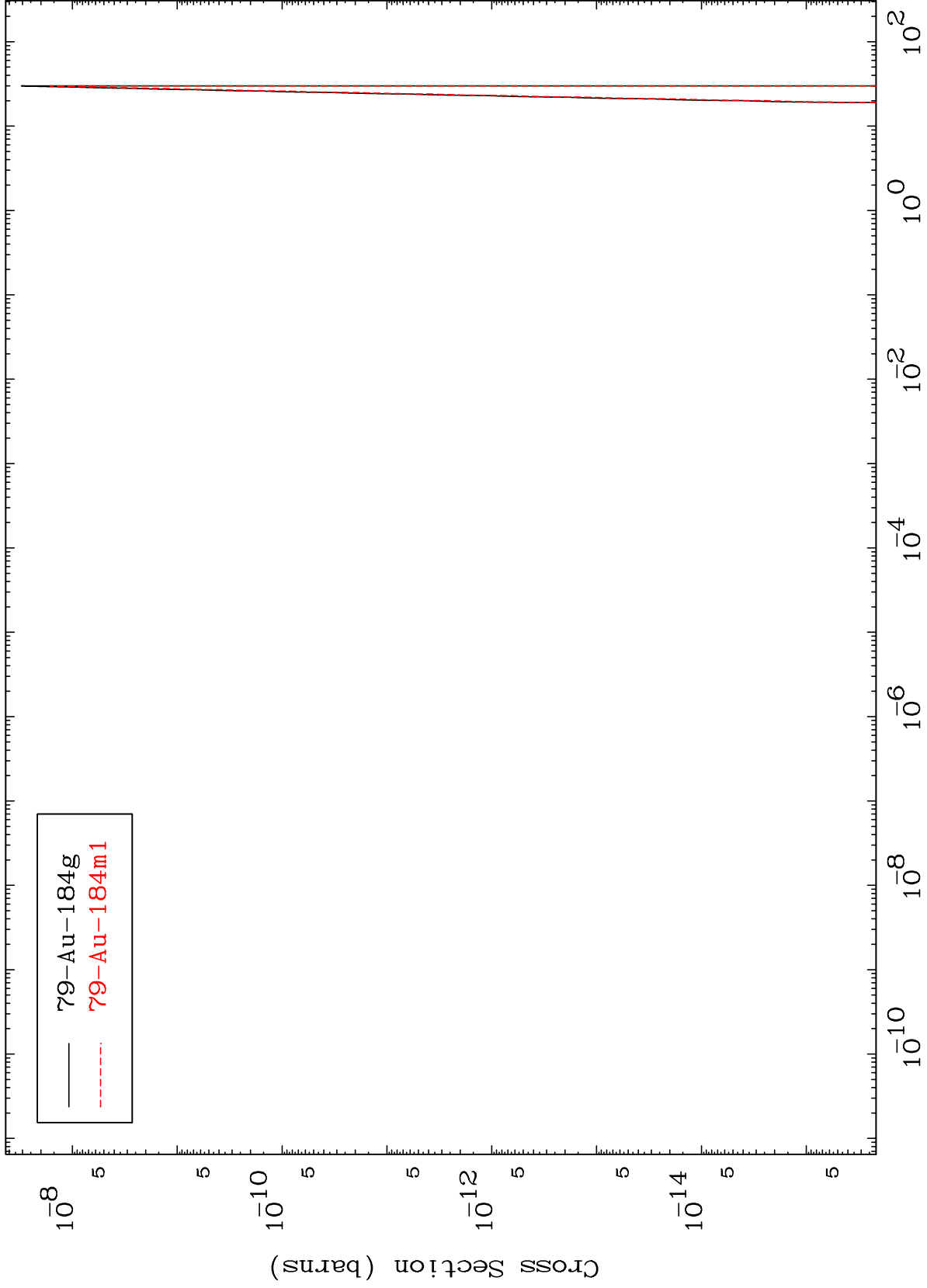
83-Bi-193

MAT 8277

(n,2n) 2 α

83-Bi-193

Radionuclide Production Cross Section



81

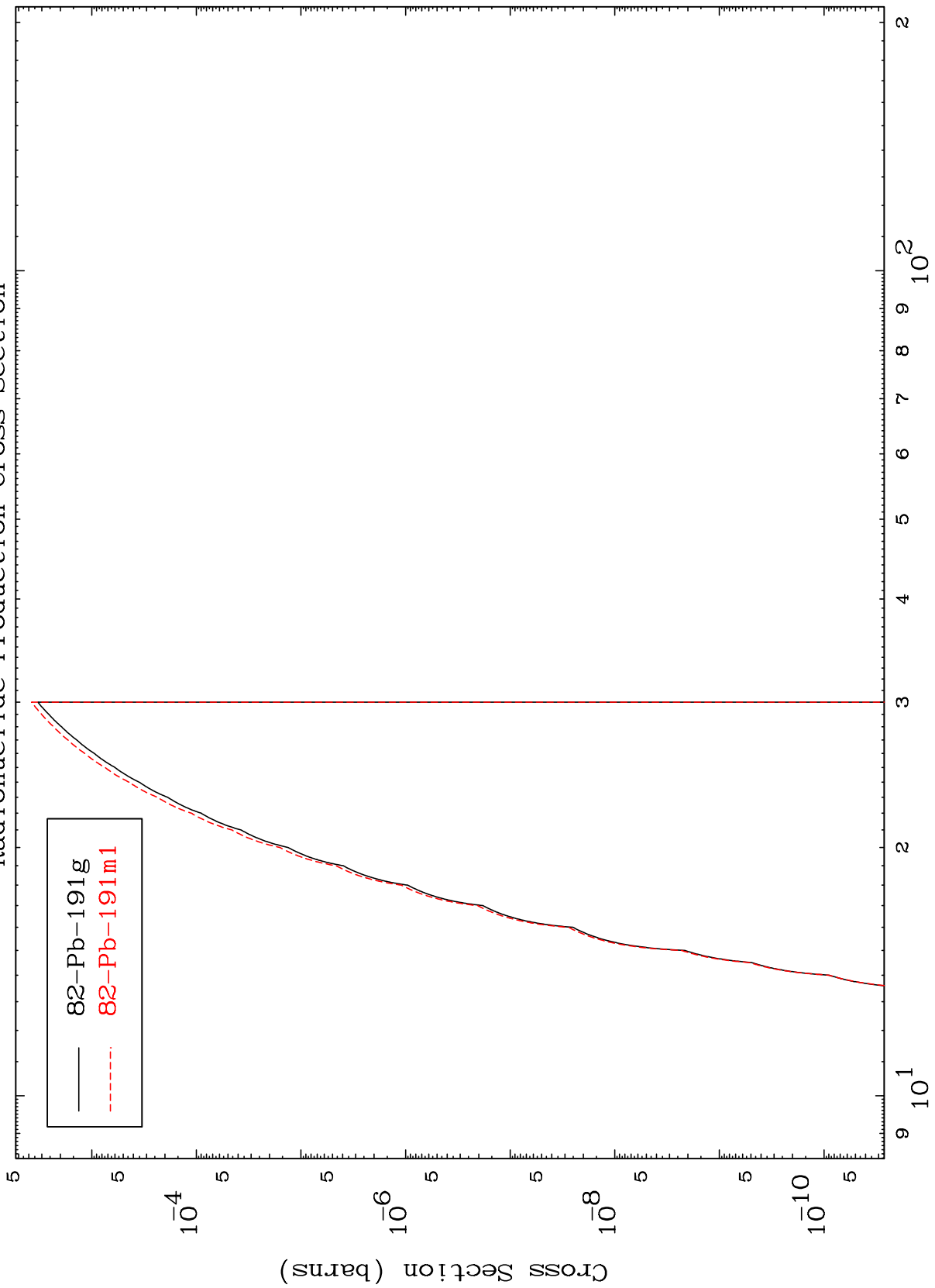
Incident Energy (MeV)

83-Bi-193

MAT 8277

83-Bi-193

(n,n') d
Radionuclide Production Cross Section



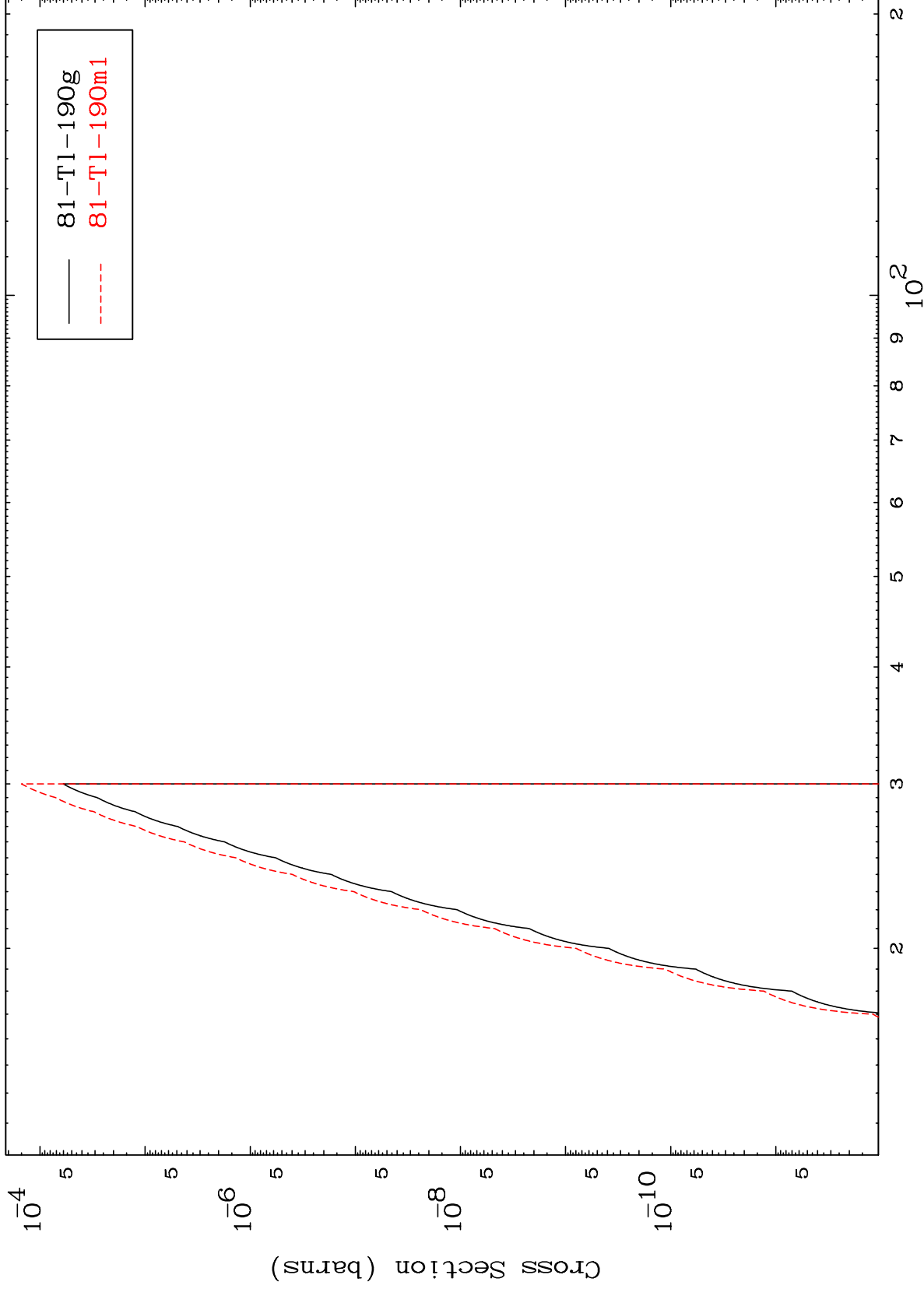
82-Pb-191g
82-Pb-191m1

82

Incident Energy (MeV)

83-Bi-193

Radionuclide Production Cross Section

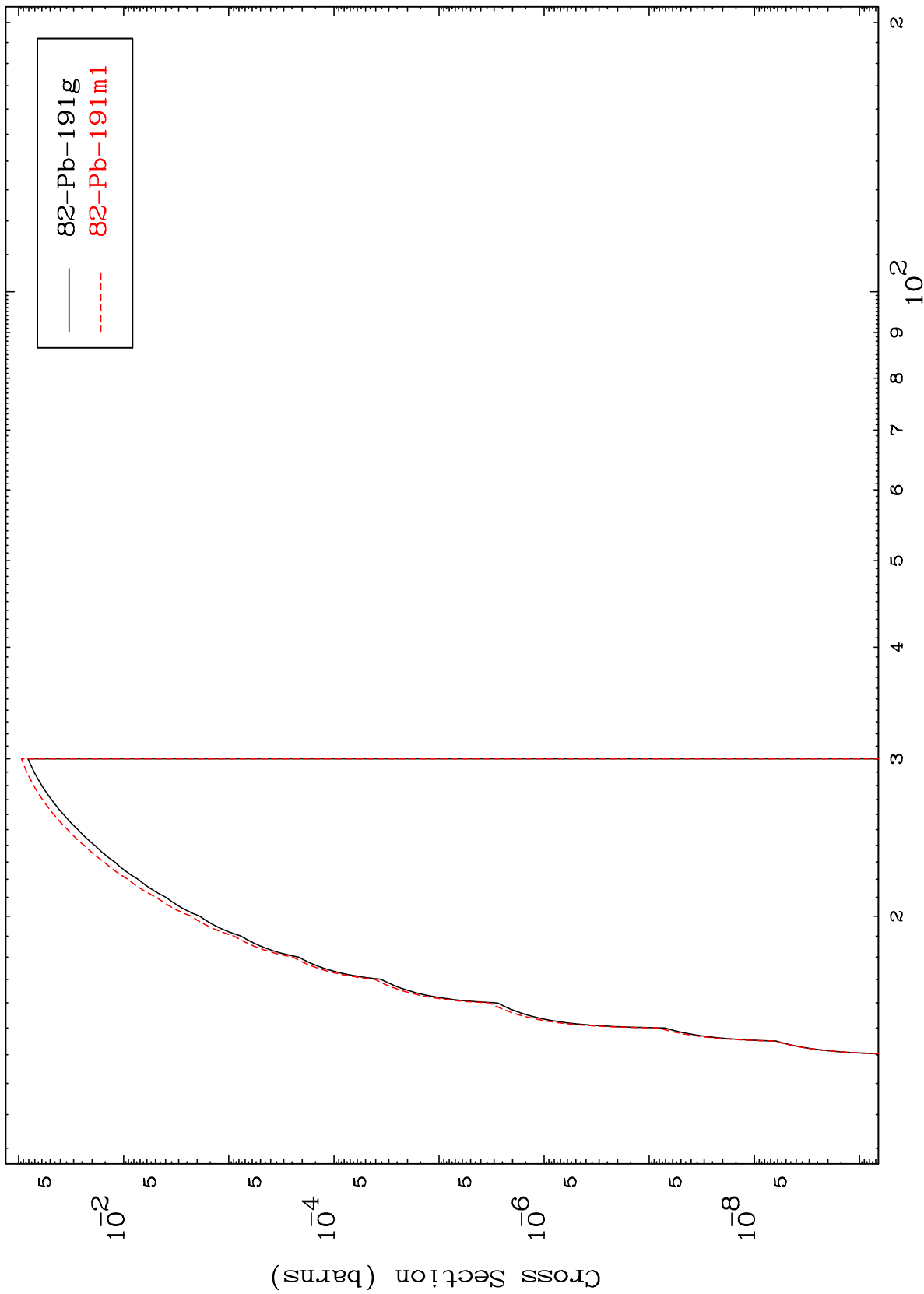


MAT 8277

(n,2n) p

83-Bi-193

Radionuclide Production Cross Section



84

Incident Energy (MeV)

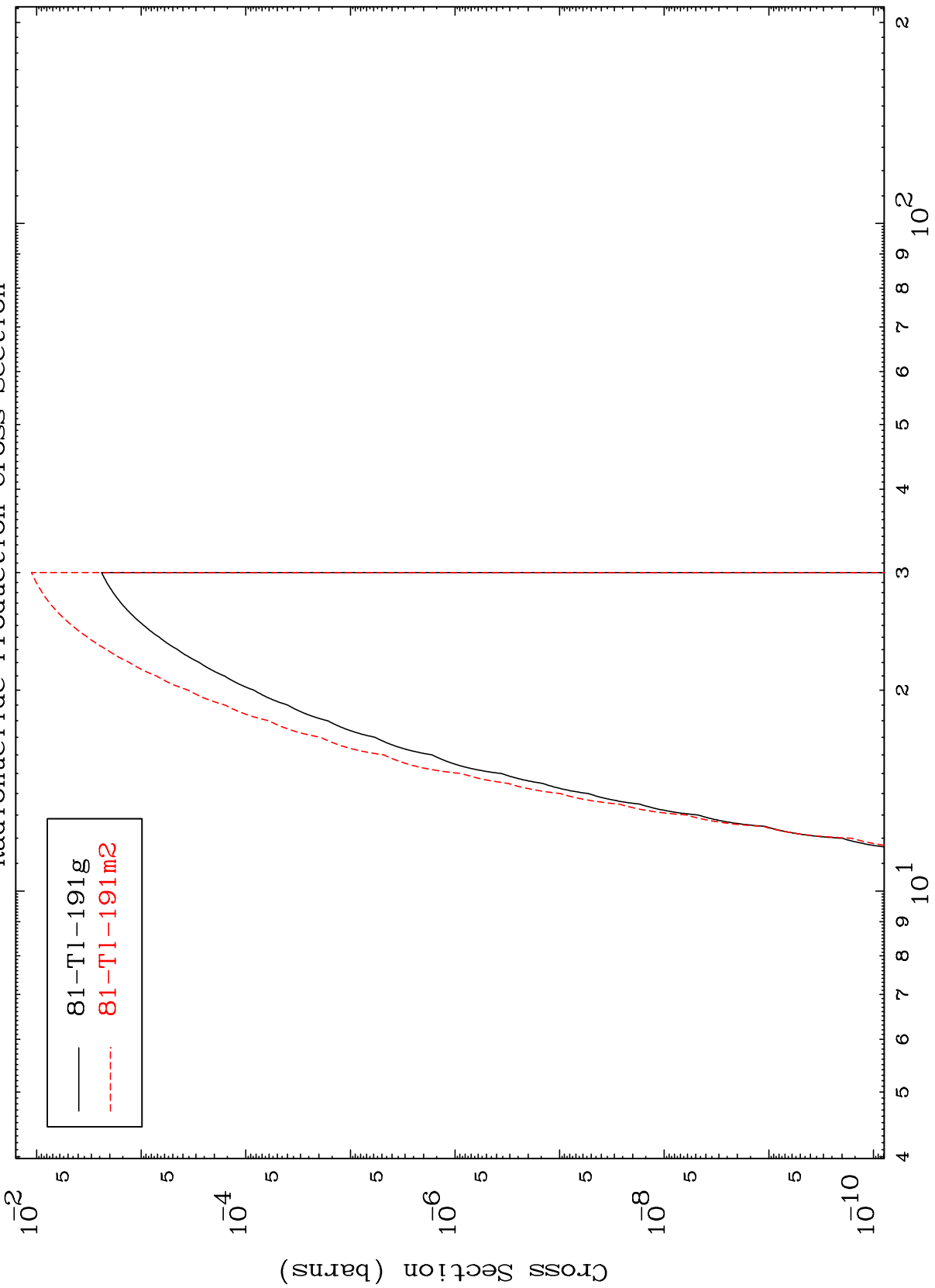
83-Bi-193

MAT 8277

(n,2n) p

83-Bi-193

Radionuclide Production Cross Section

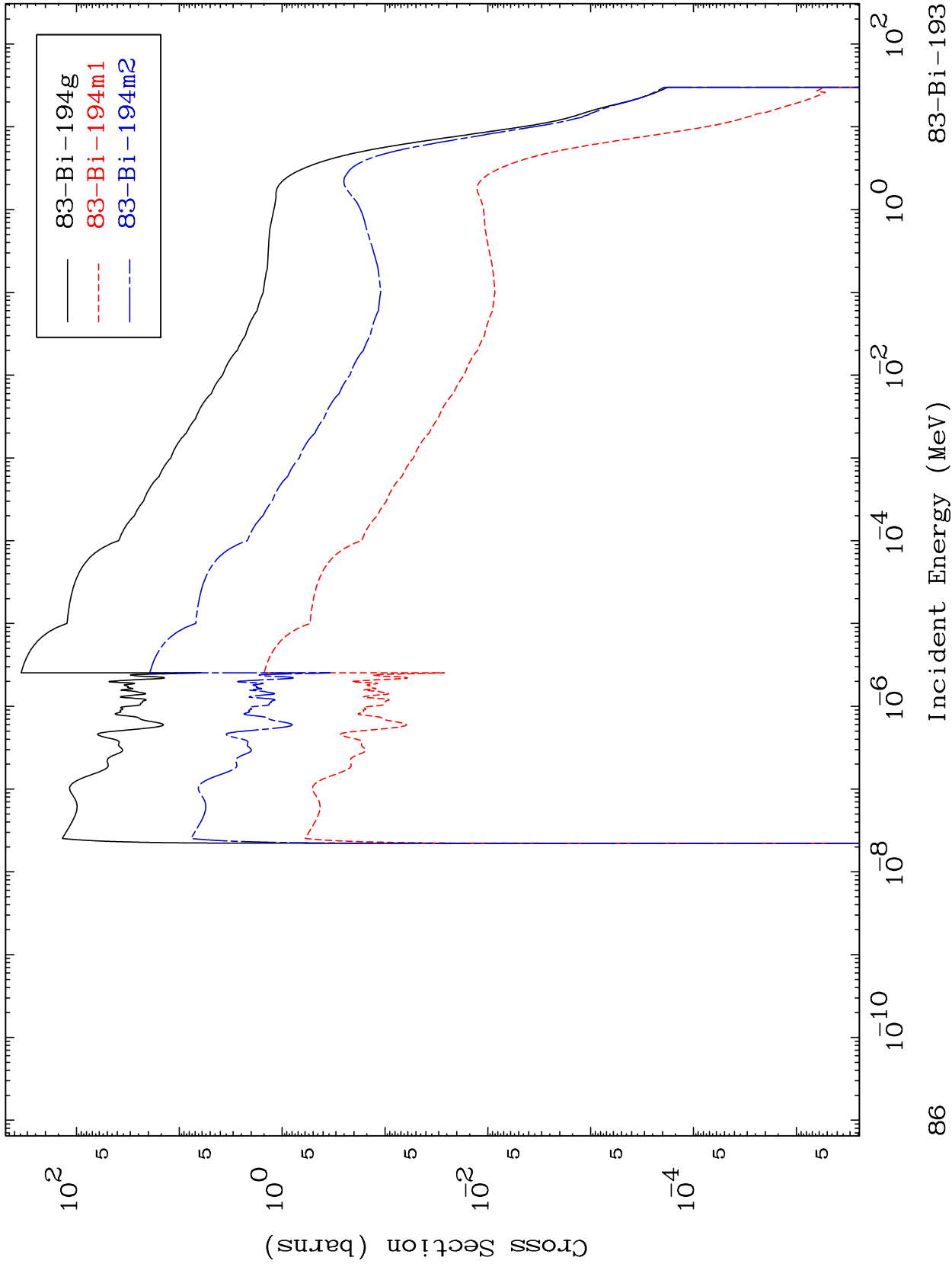


85

Incident Energy (MeV)

83-Bi-193

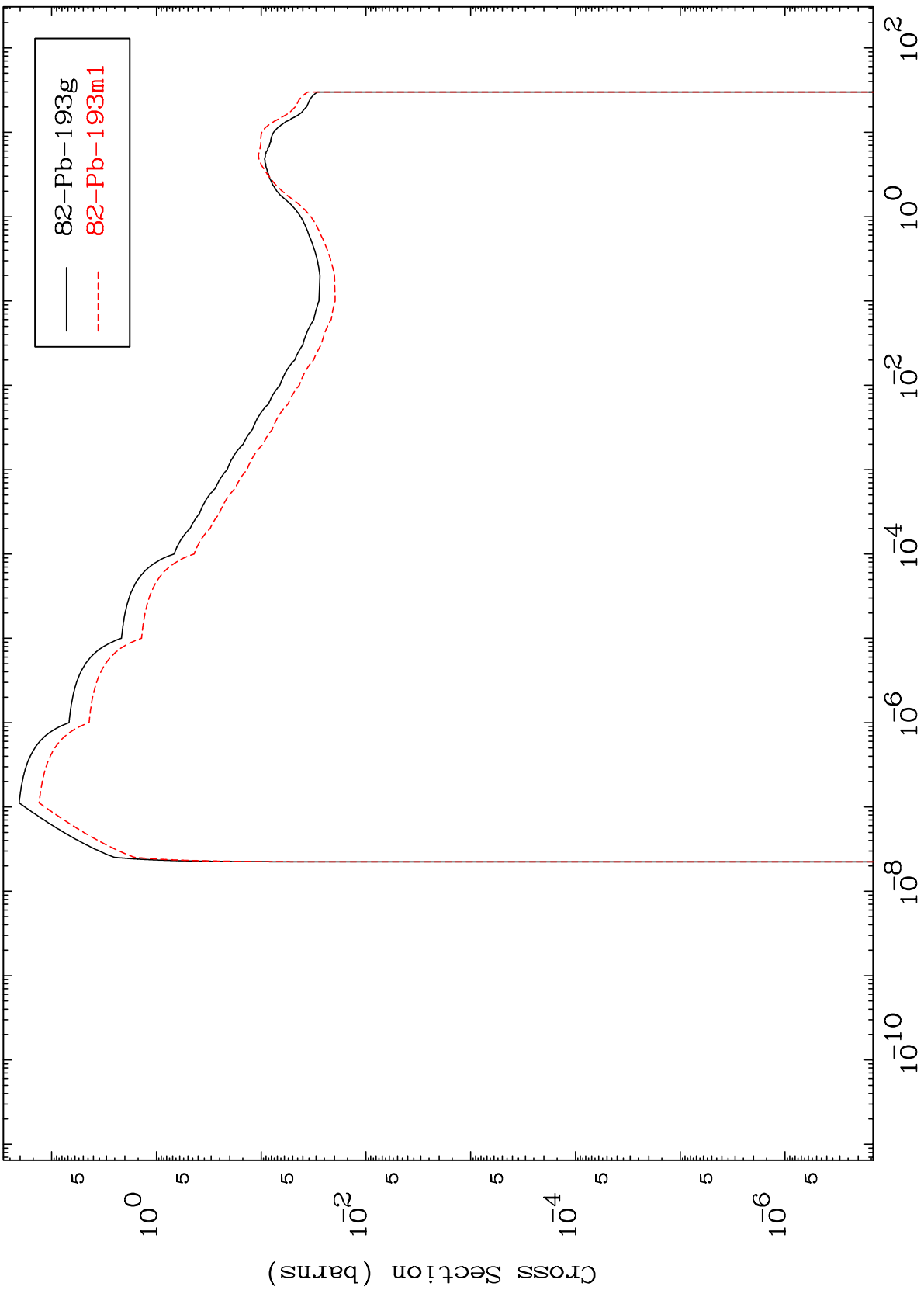
(n,γ)
Radionuclide Production Cross Section



MAT 8277

83-Bi-193

(n,p)
Radionuclide Production Cross Section



87

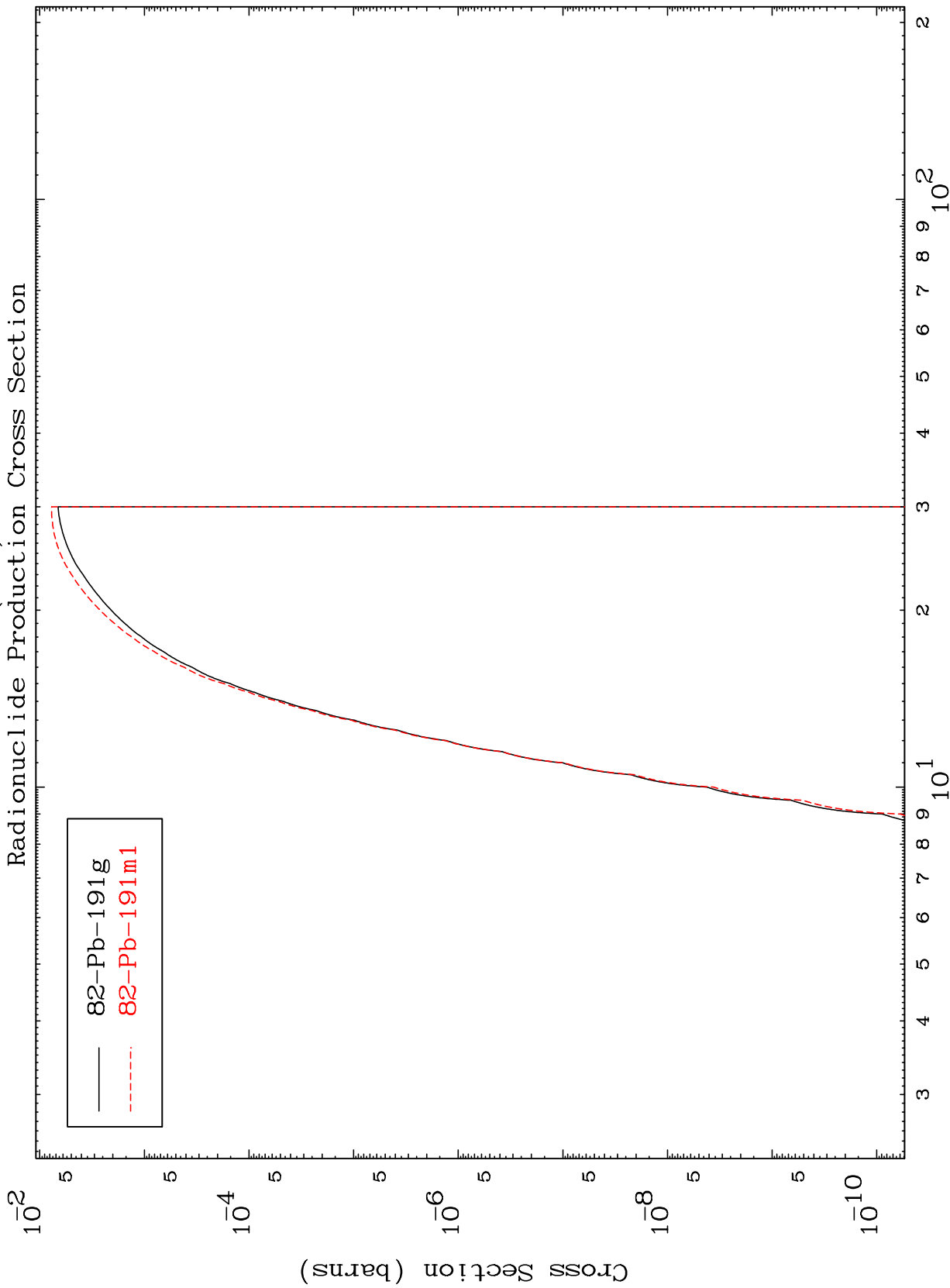
83-Bi-193

Incident Energy (MeV)

MAT 8277

83-Bi-193

(n,t)
Radionuclide Production Cross Section



88

Incident Energy (MeV)

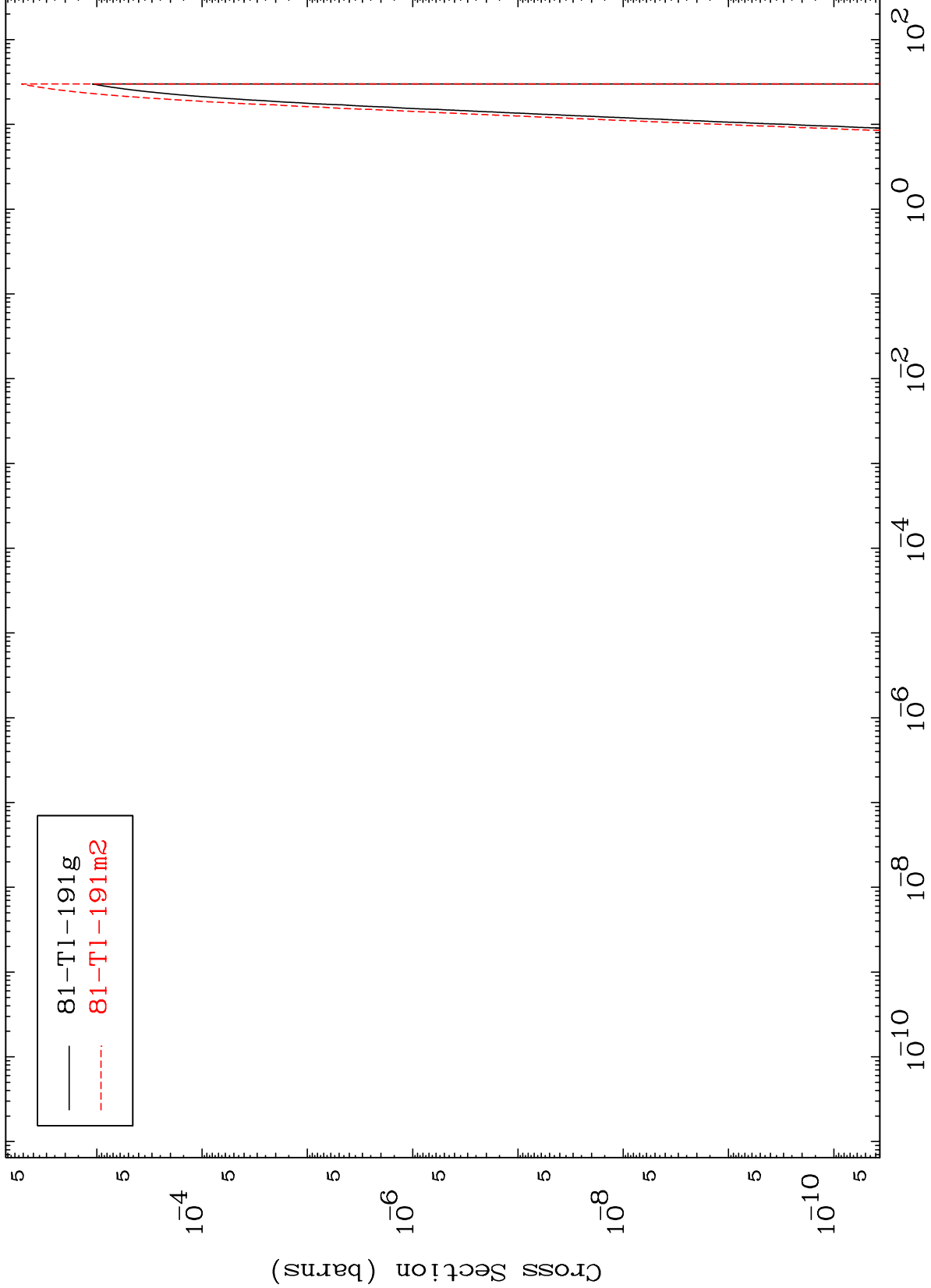
83-Bi-193

MAT 8277

(n,He-3)

83-Bi-193

Radionuclide Production Cross Section



81-Tl-191g
81-Tl-191m2

89

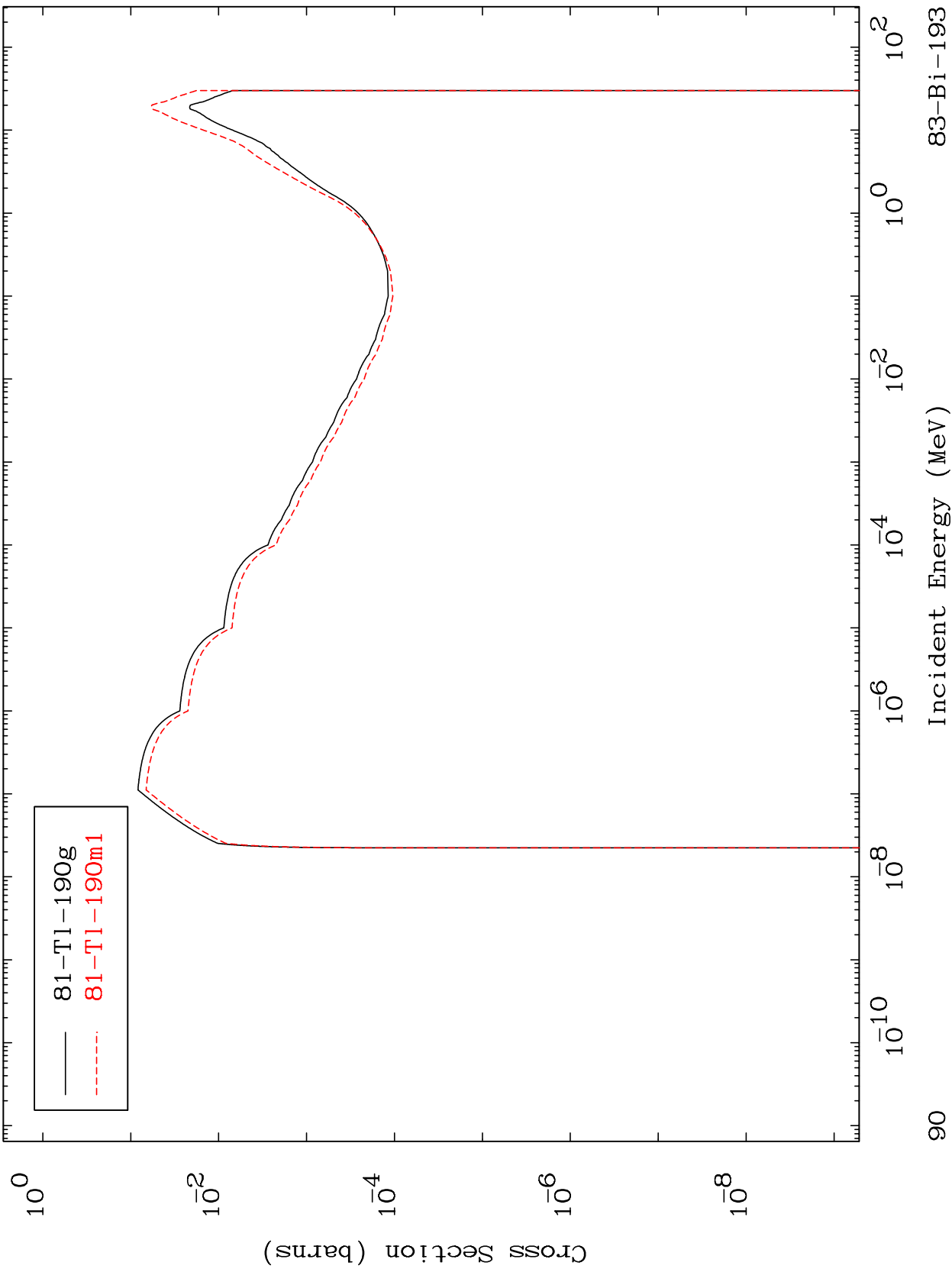
Incident Energy (MeV)

83-Bi-193

MAT 8277

83-Bi-193

Radionuclide Production Cross Section
(n, α)



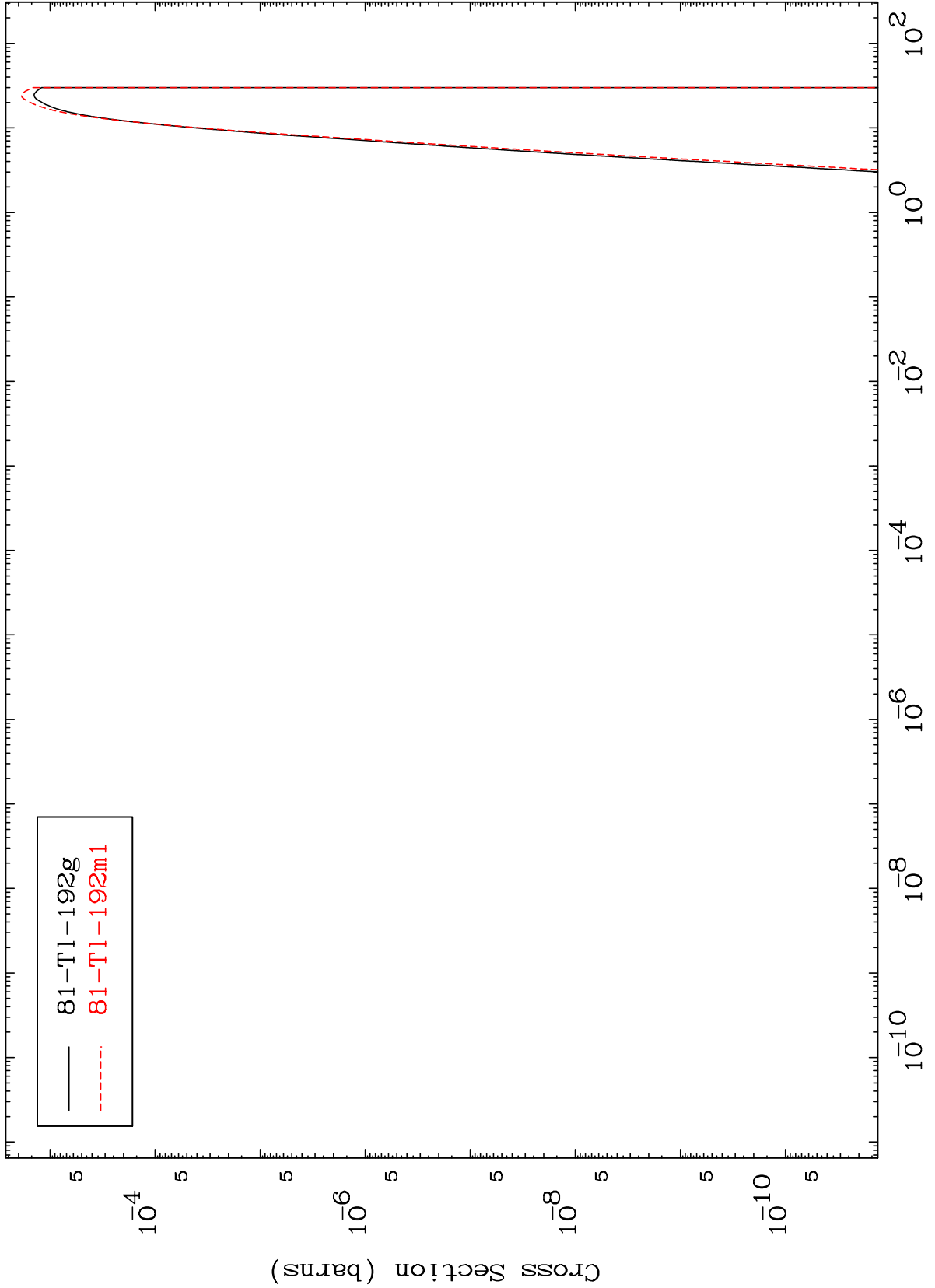
90

MAT 8277

(n,2p)

83-Bi-193

Radionuclide Production Cross Section



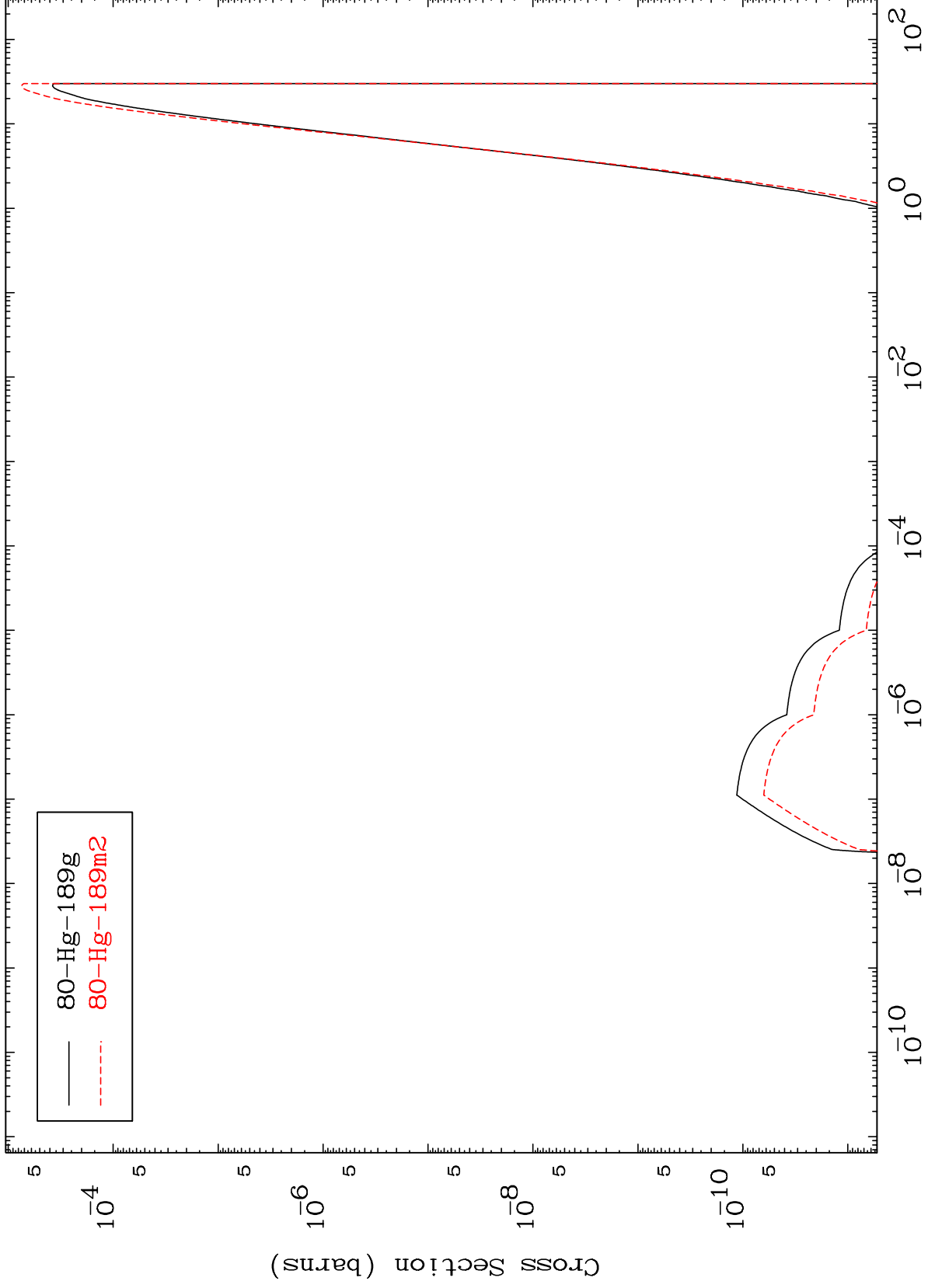
81-Tl-192g
81-Tl-192m1

MAT 8277

(n,p) α

83-Bi-193

Radionuclide Production Cross Section

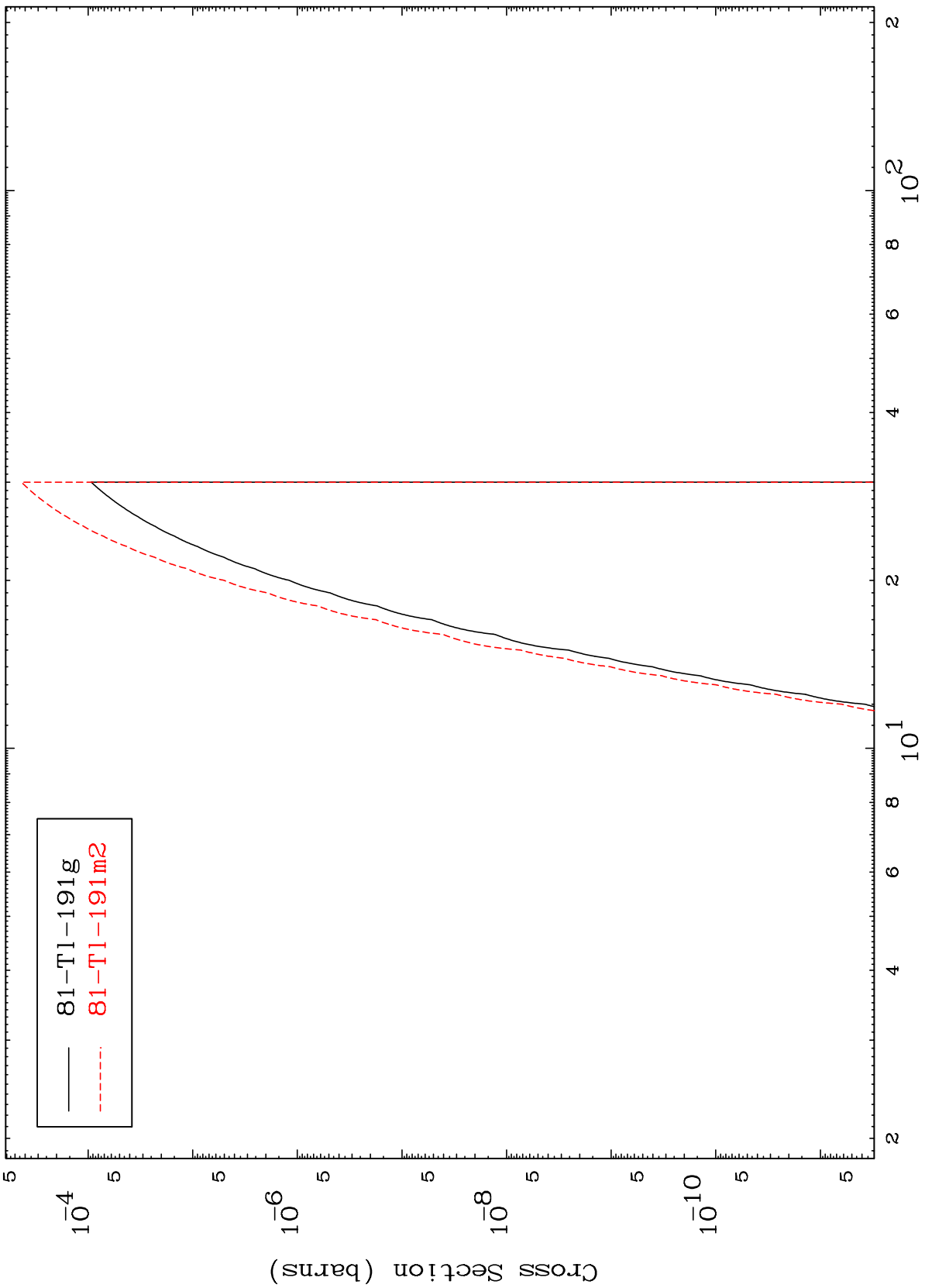


92

Incident Energy (MeV)

83-Bi-193

Radionuclide Production Cross Section

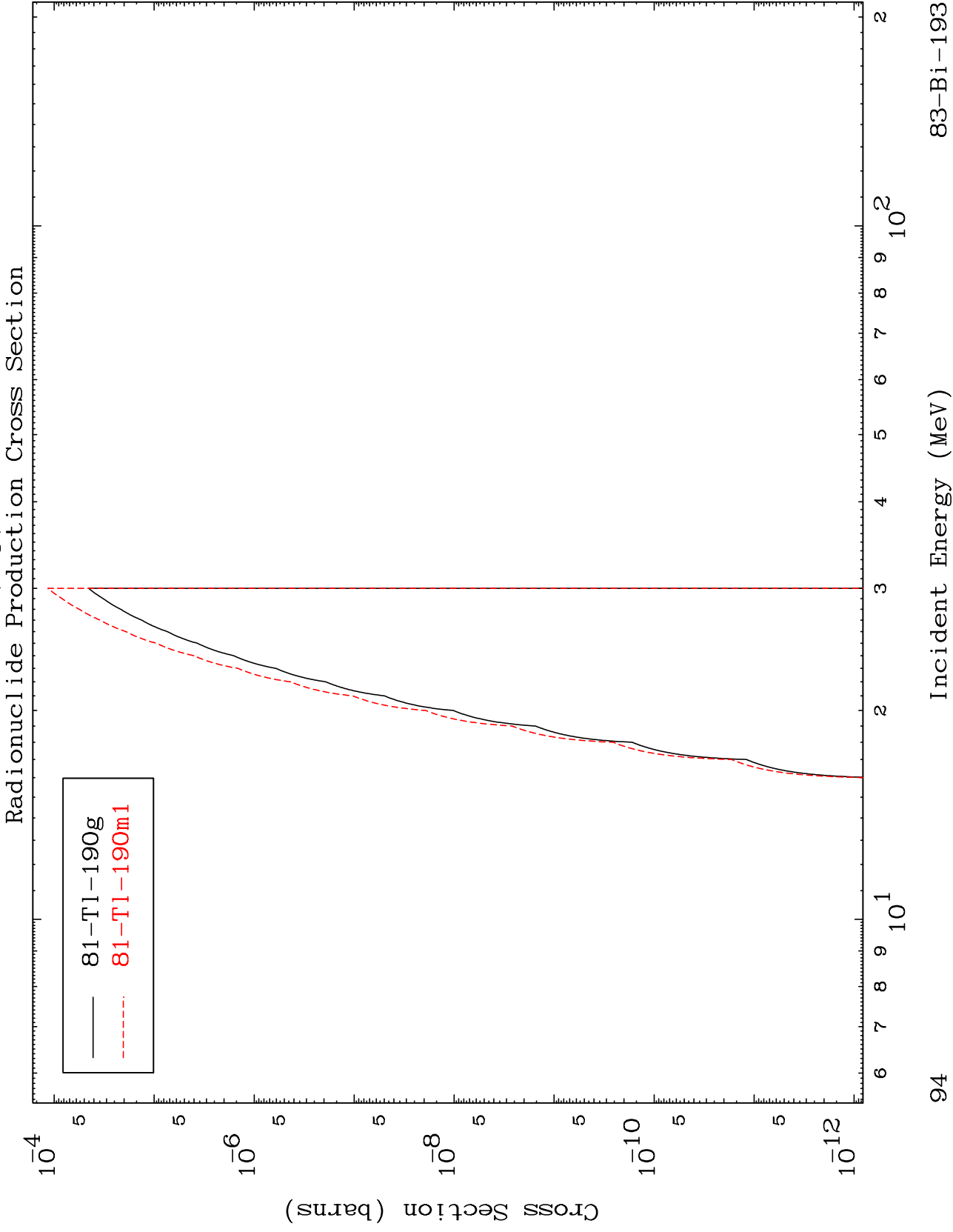


81-Tl-191g
81-Tl-191m2

MAT 8277

(n,p) t

83-Bi-193



94

Incident Energy (MeV)

83-Bi-193