

Program EVALPLOT
(Version 2021-1)

by

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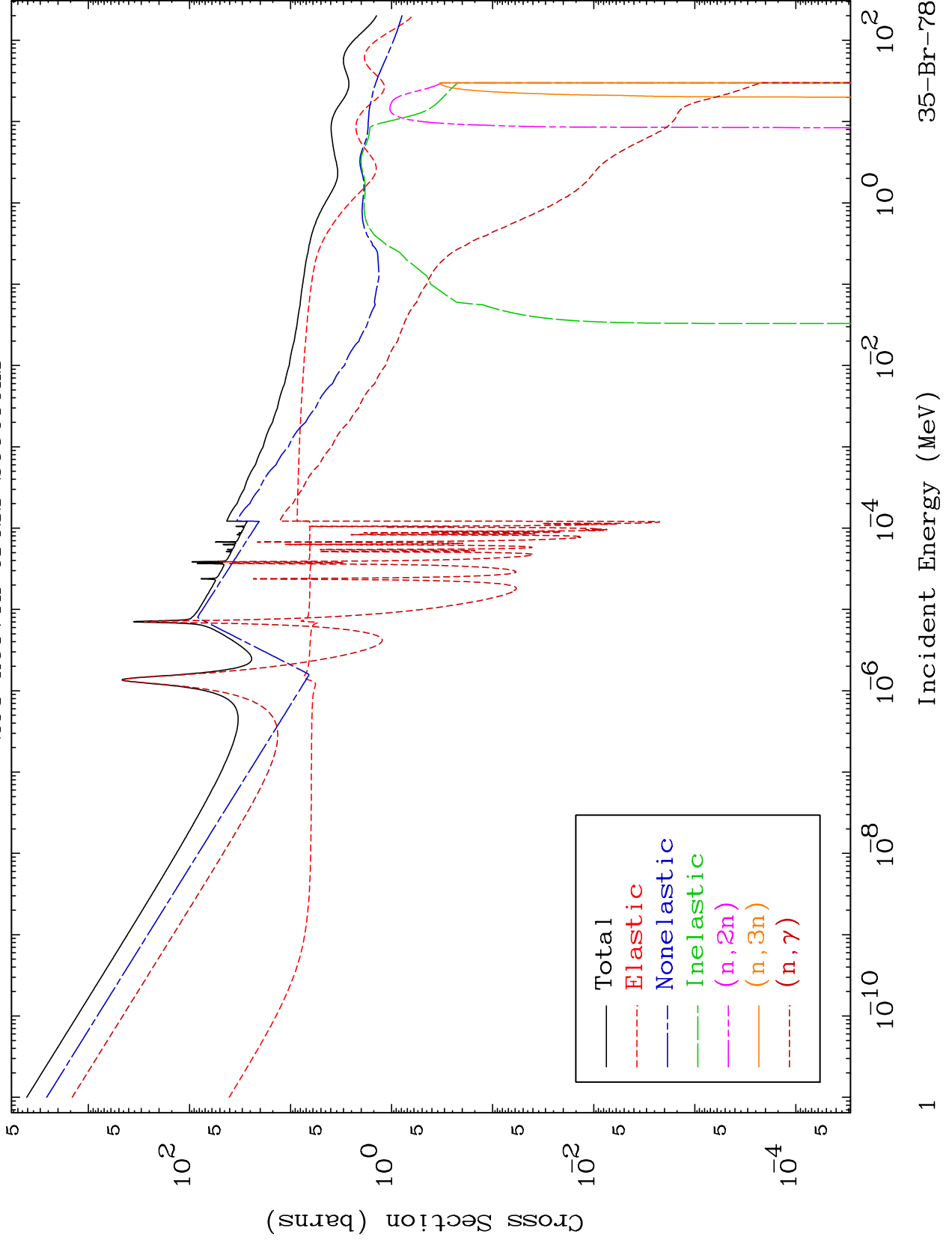
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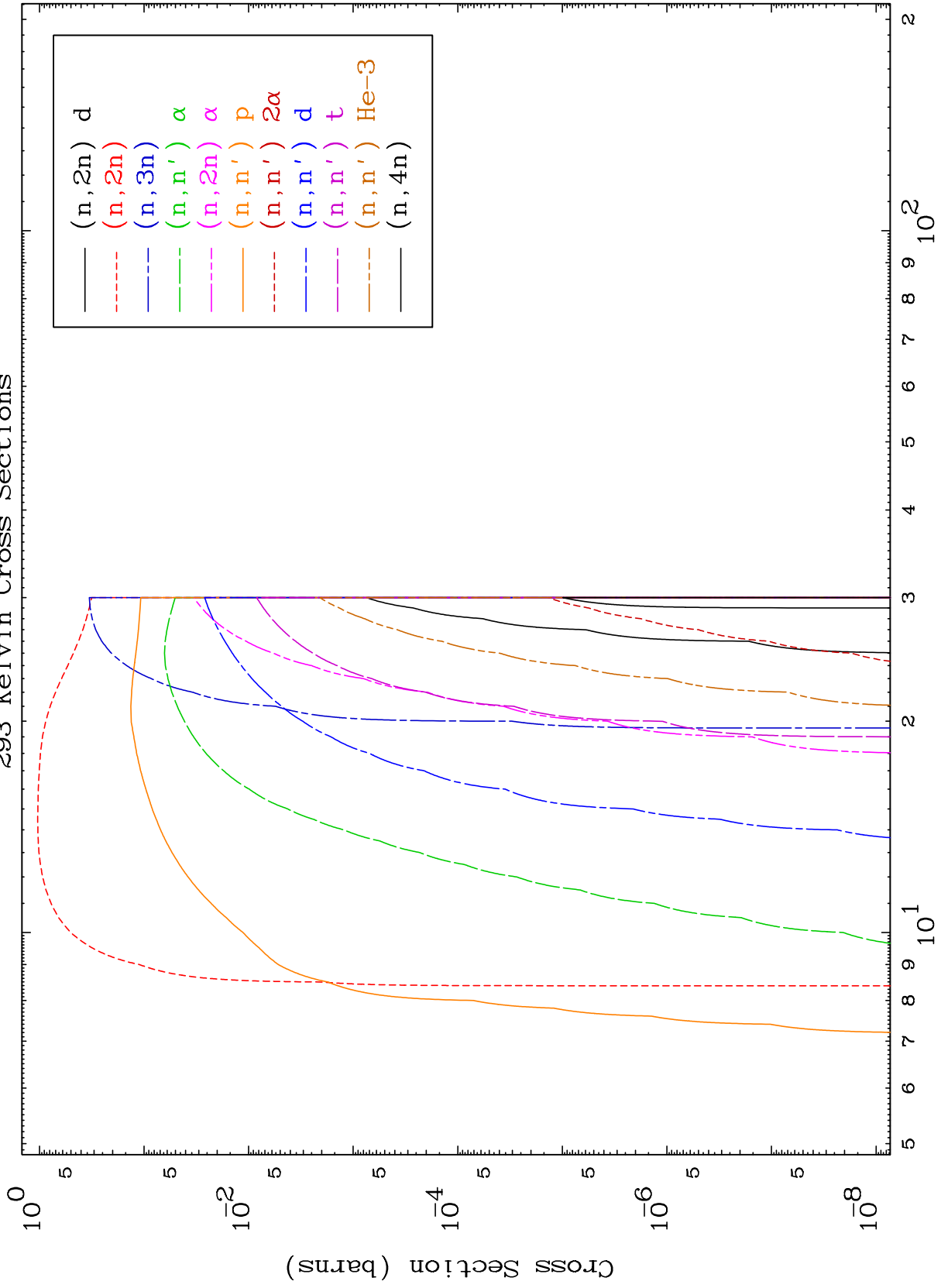
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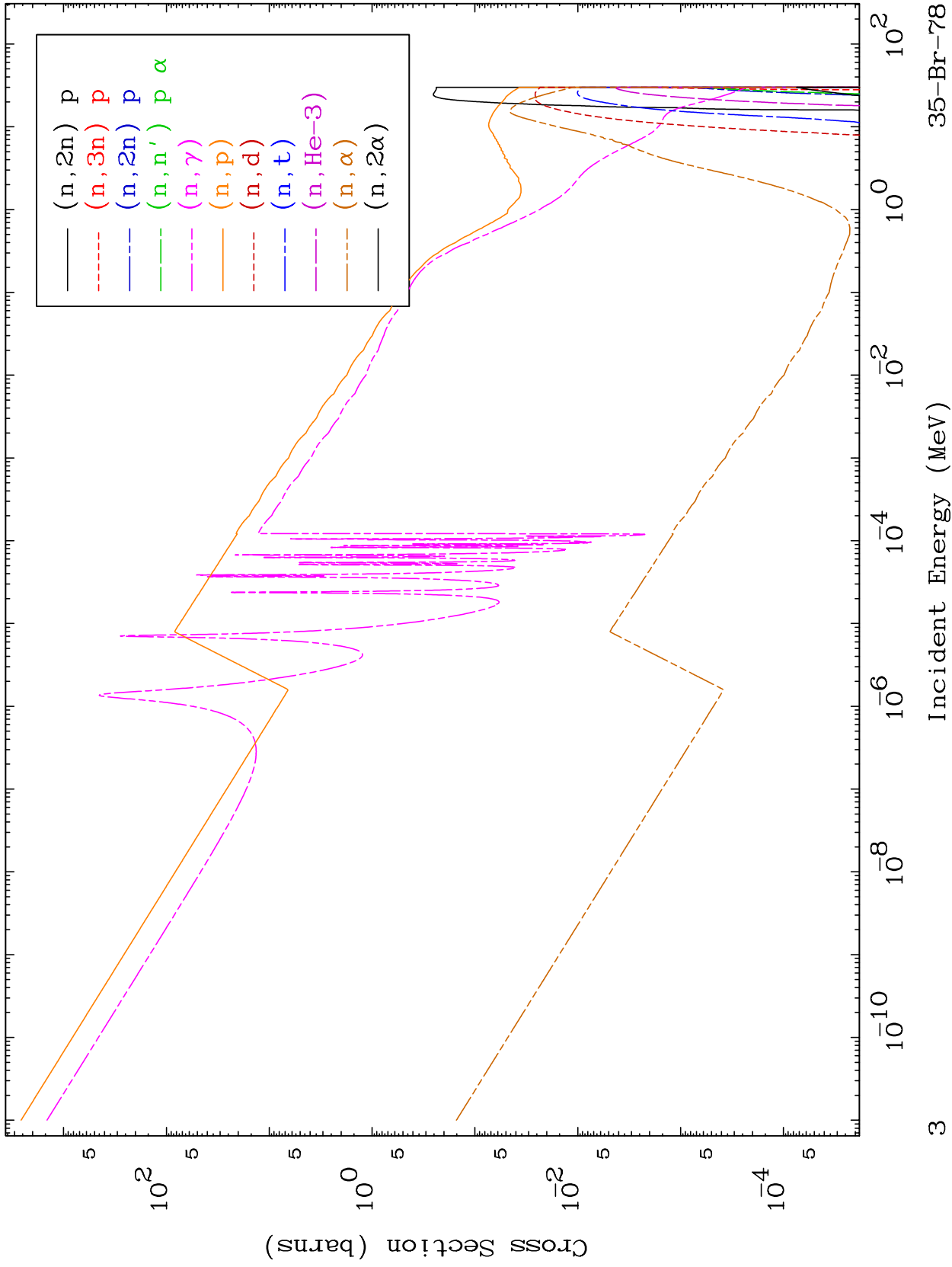
MAT 3522

Neutron Major
293 Kelvin Cross Sections

35-Br-78



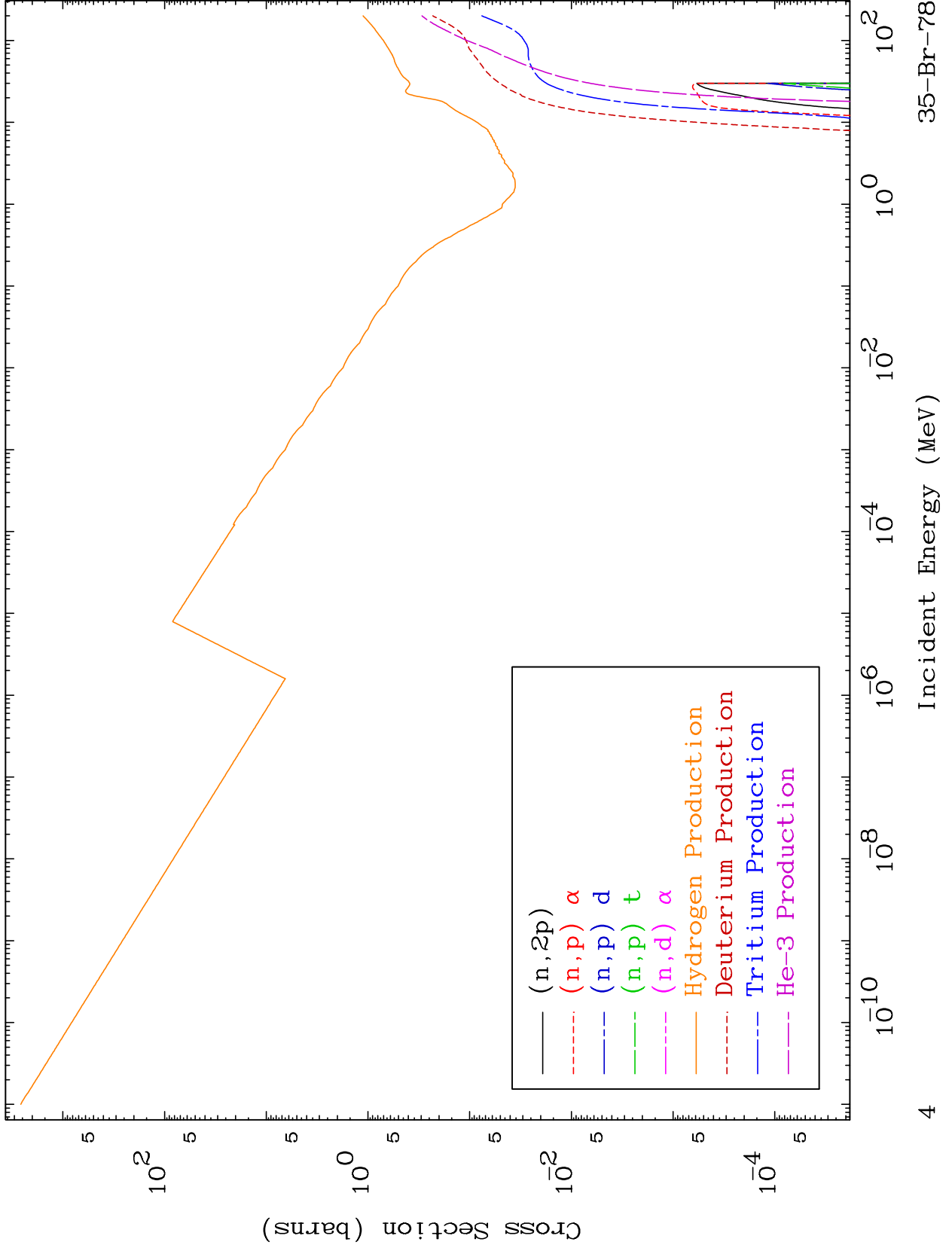


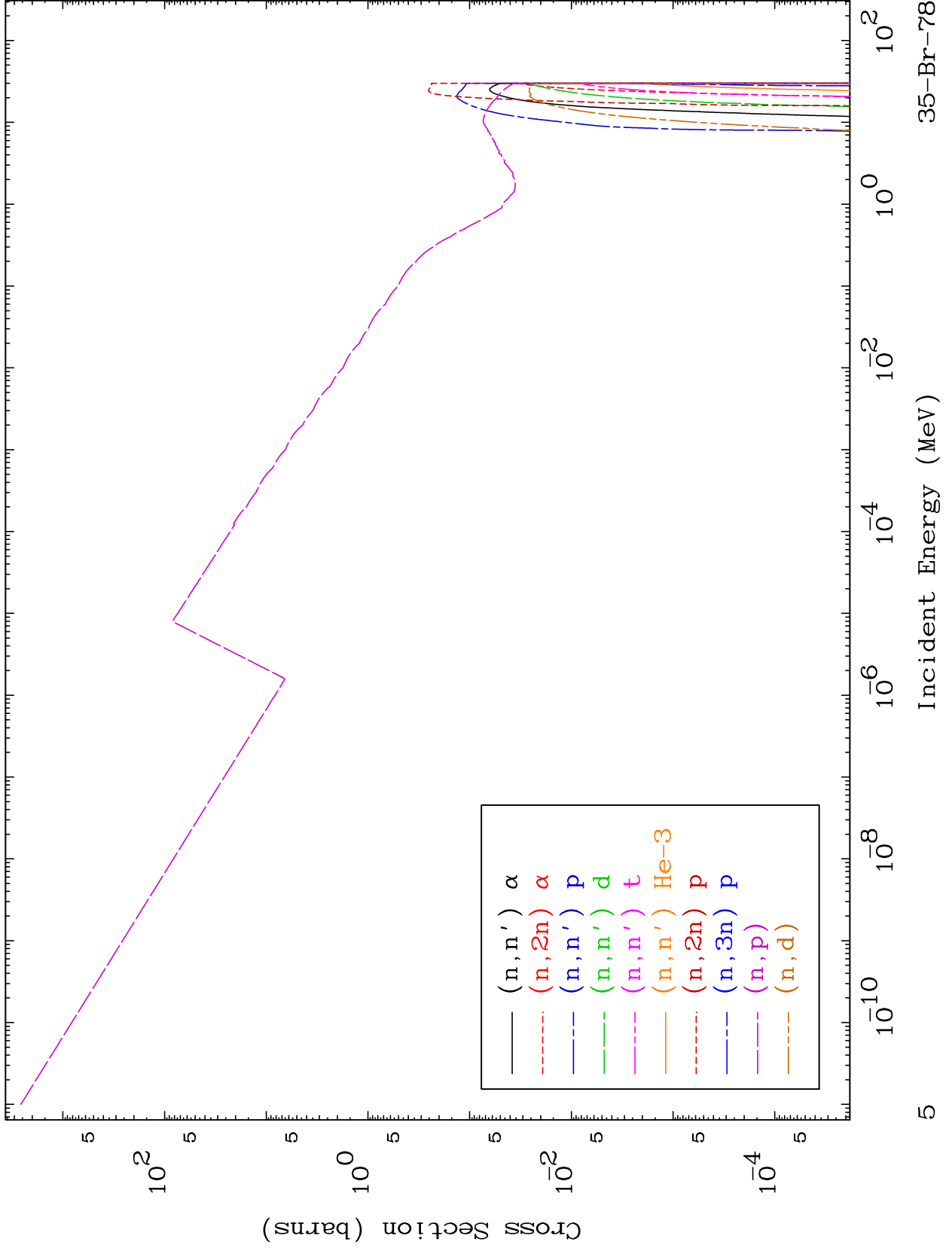


MAT 3522

Neutron Absorption
293 Kelvin Cross Sections

35-Br-78

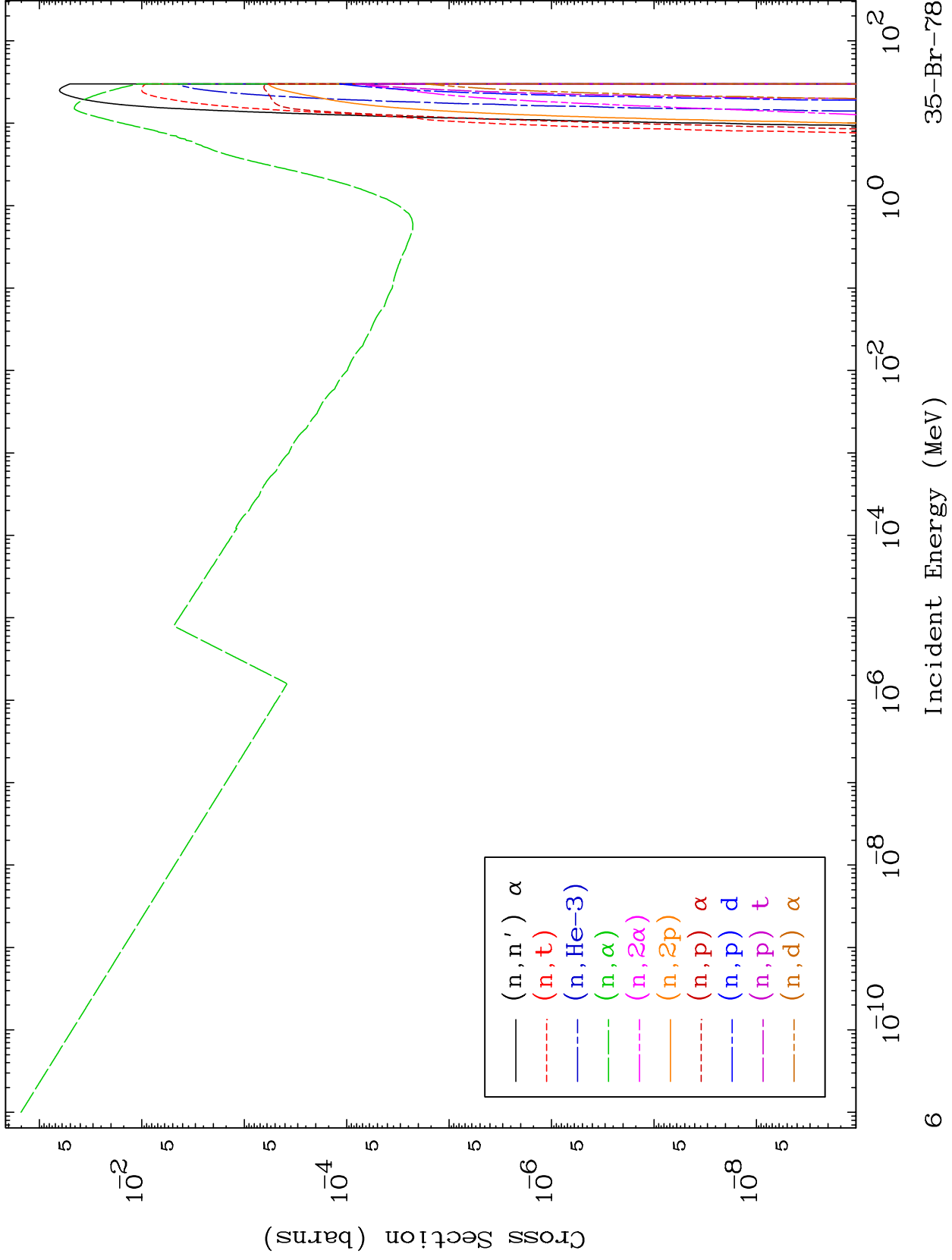


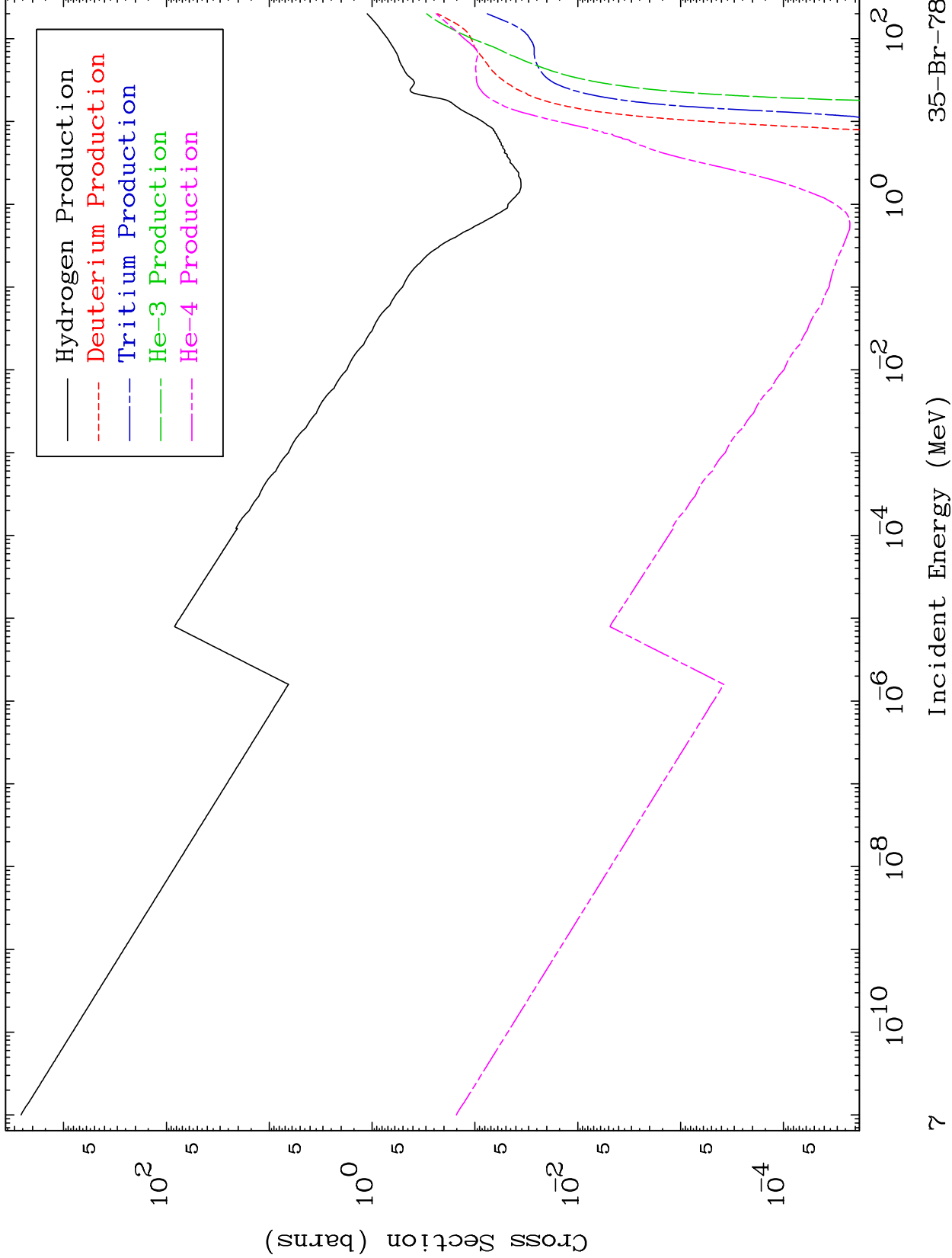


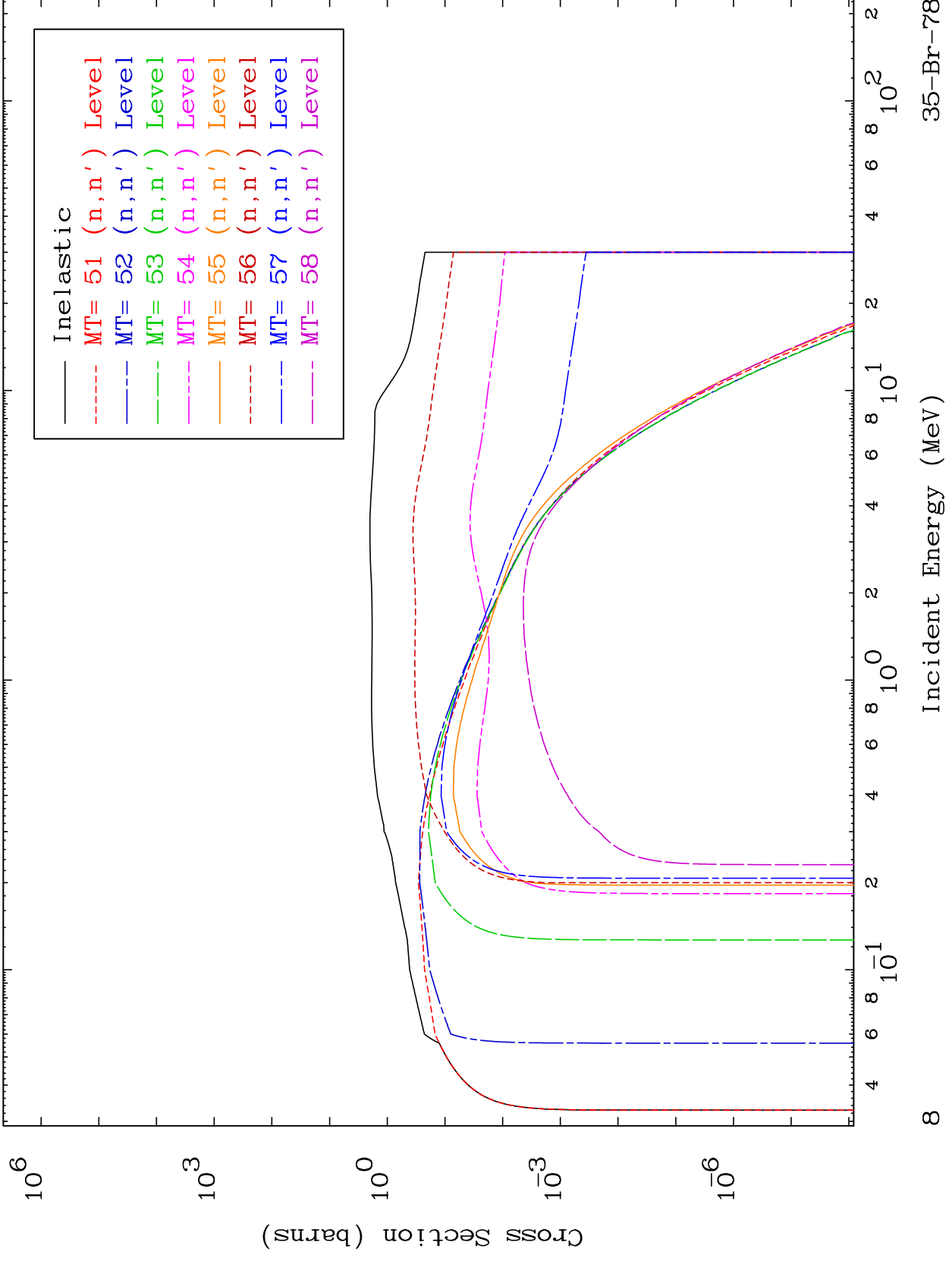
MAT 3522

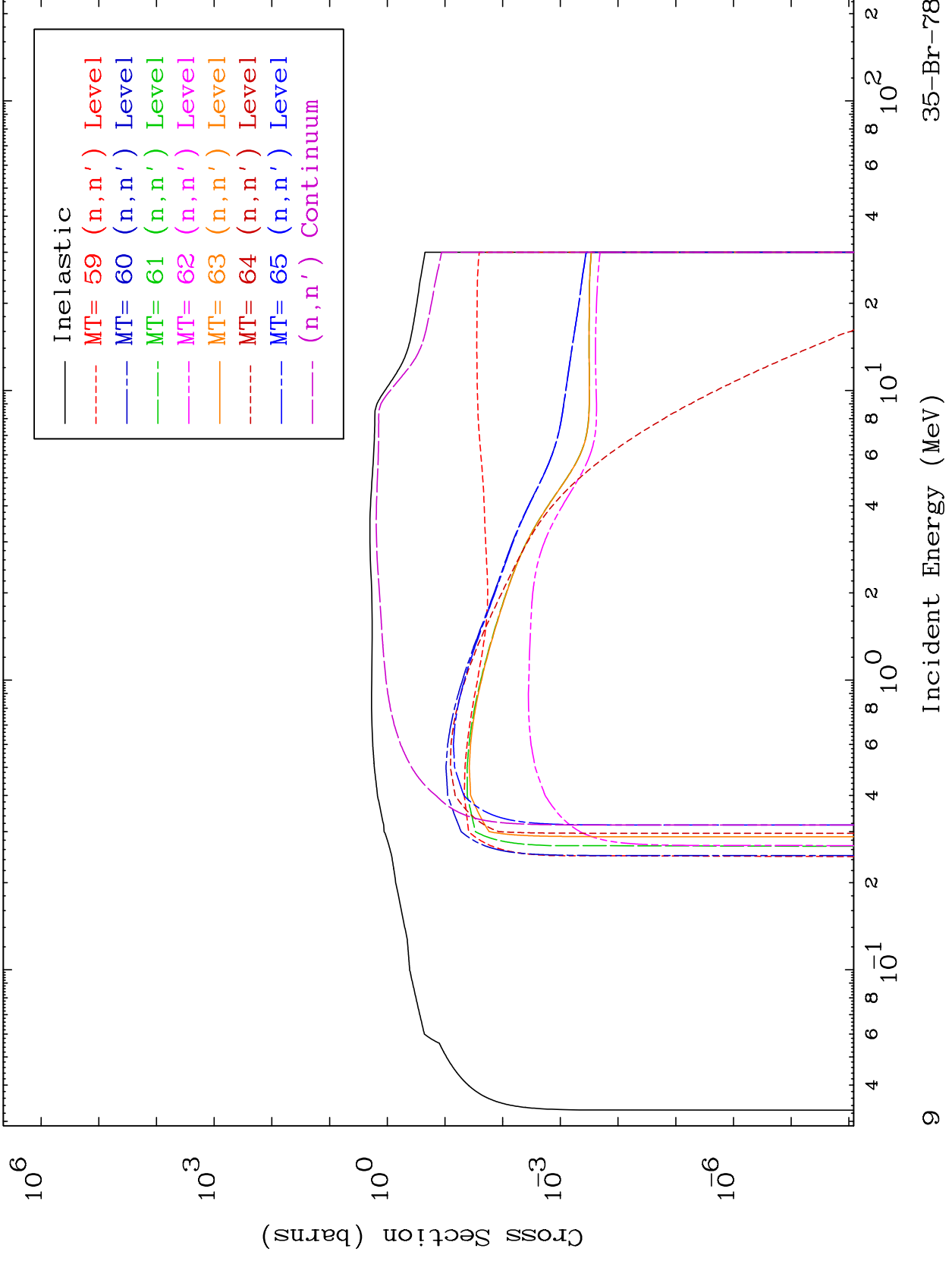
Charged Particle
293 Kelvin Cross Sections

35-Br-78





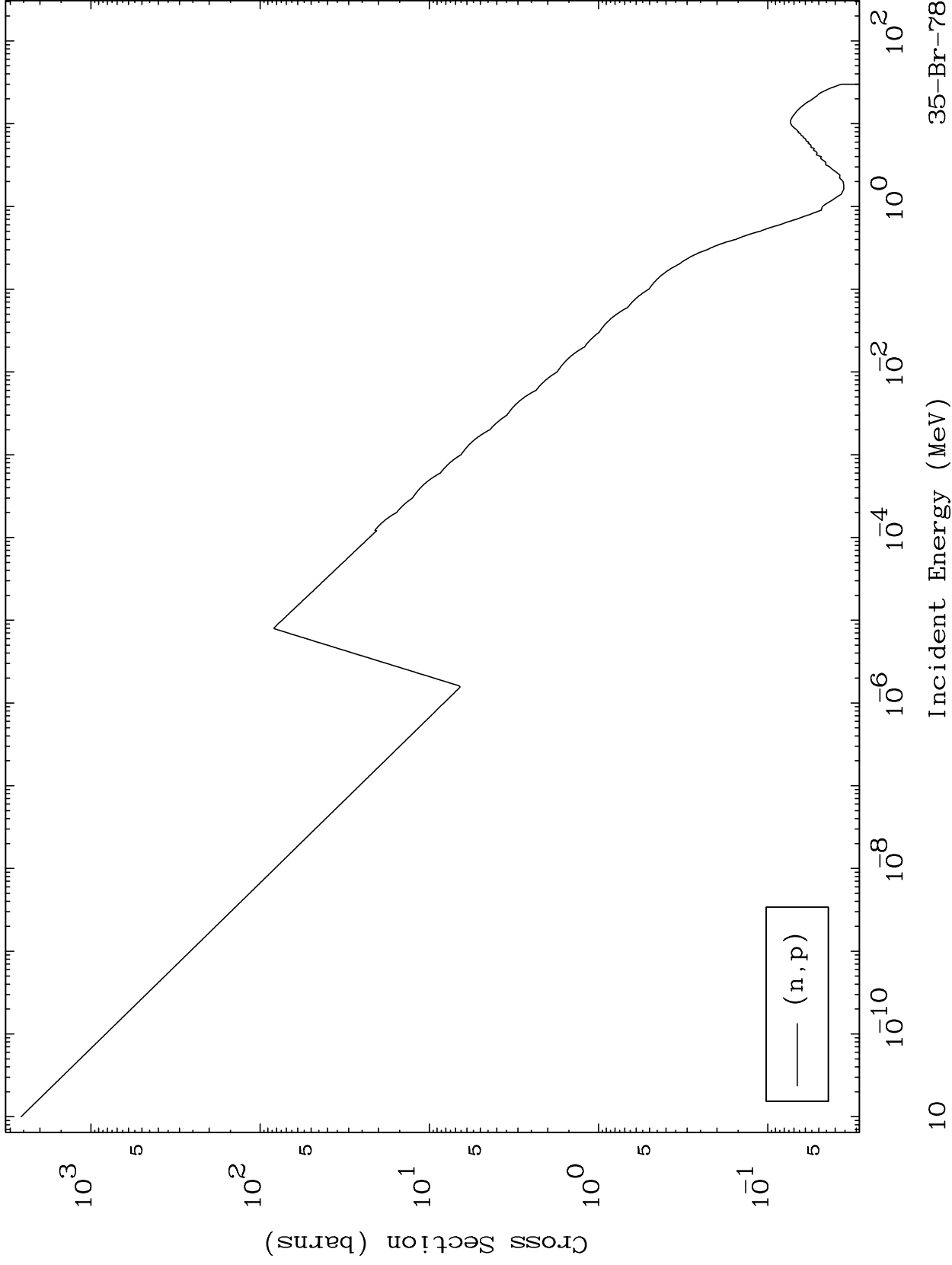




MAT 3522

(n,p) Levels
293 Kelvin Cross Sections

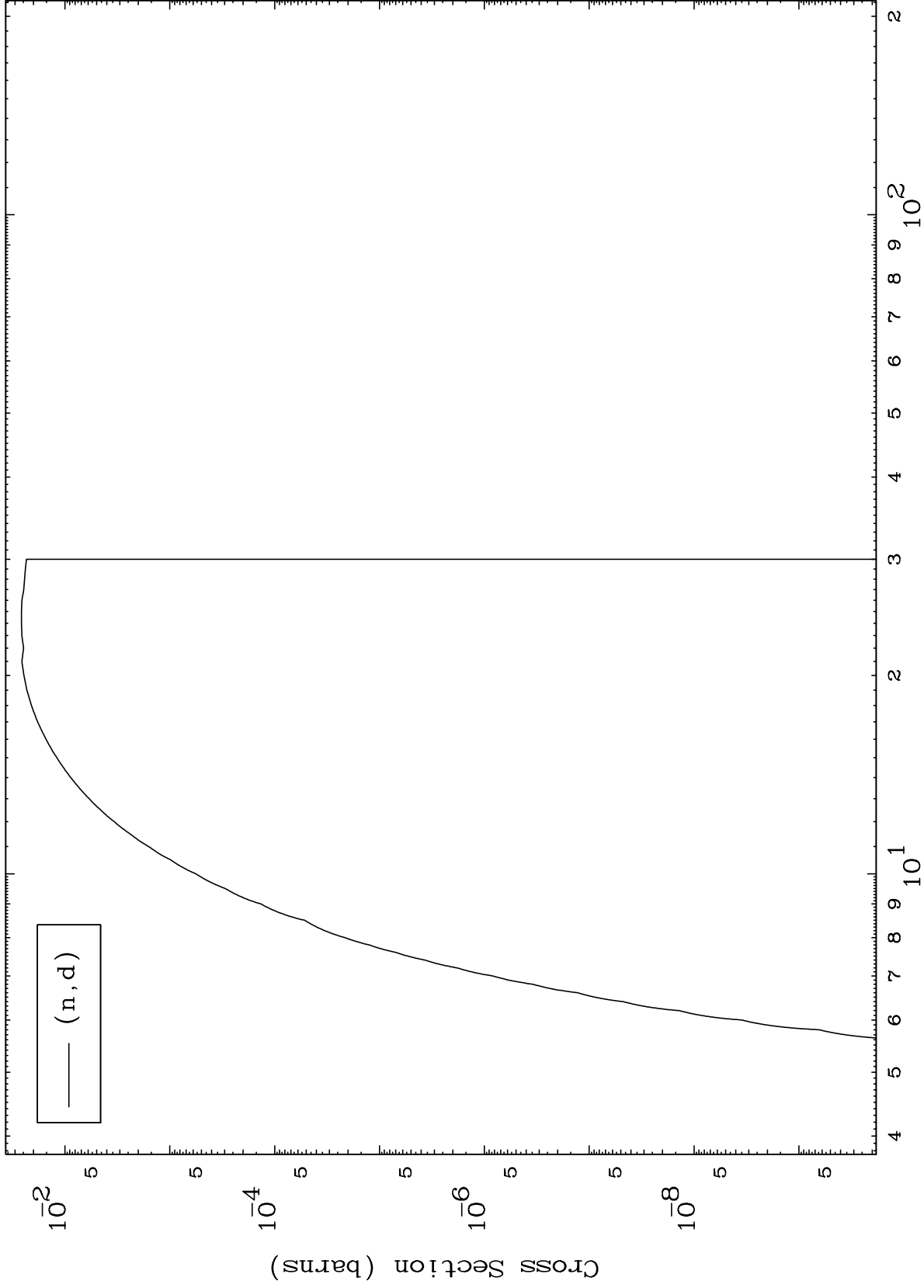
35-Br-78



MAT 3522

(n,d) Levels
293 Kelvin Cross Sections

35-Br-78



11

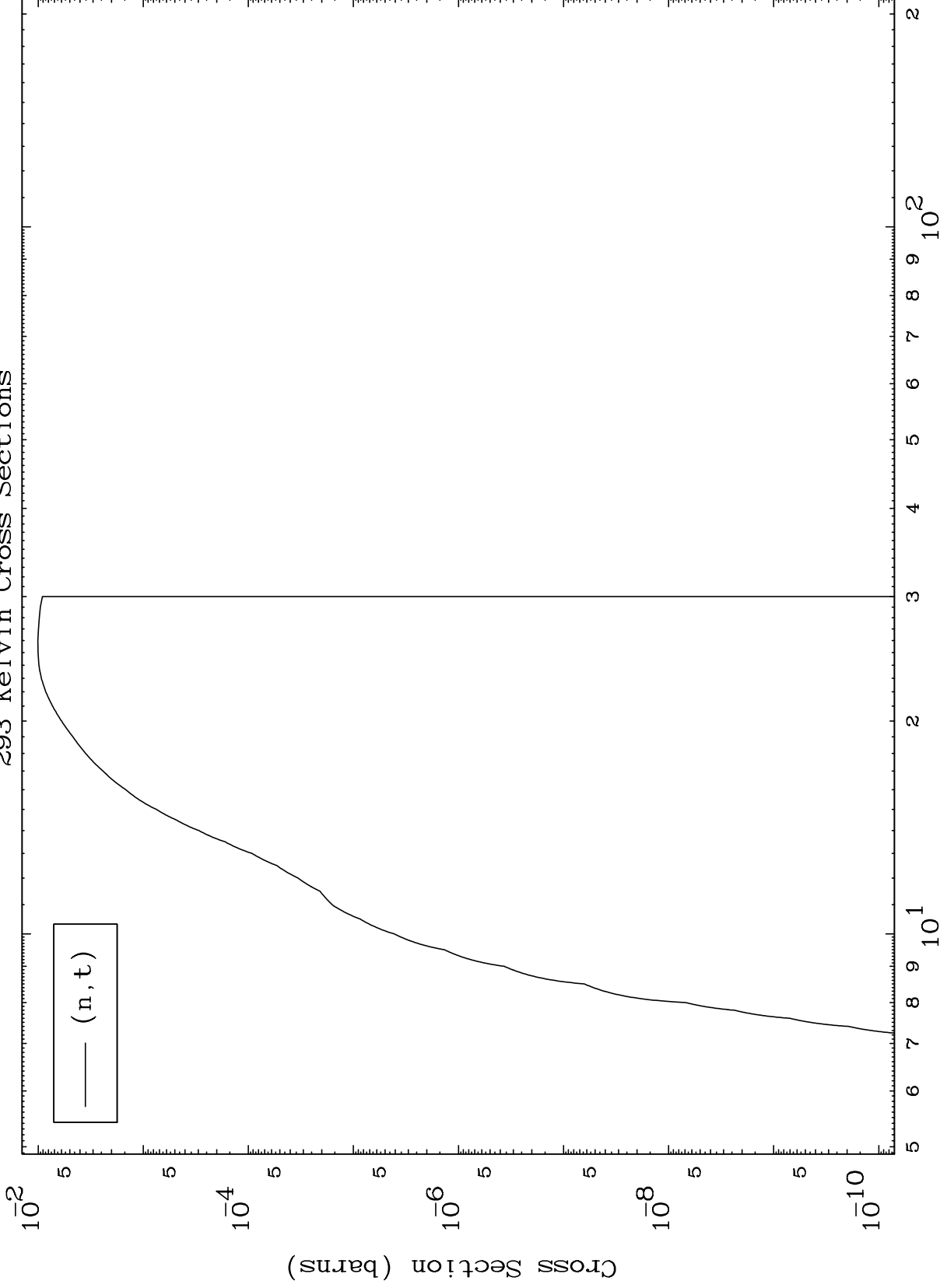
Incident Energy (MeV)

35-Br-78

MAT 3522

(n,t) Levels
293 Kelvin Cross Sections

35-Br-78



12

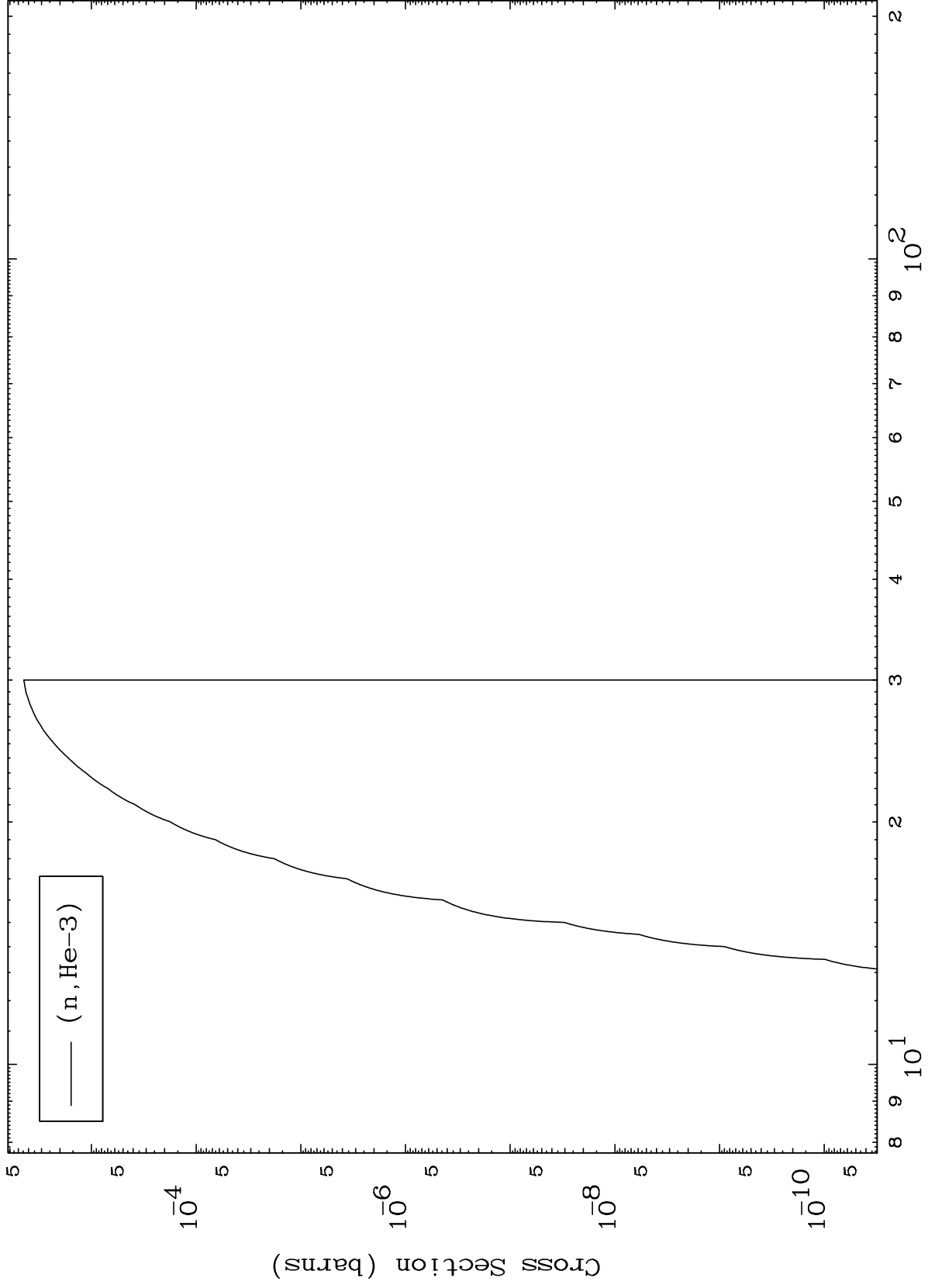
Incident Energy (MeV)

35-Br-78

MAT 3522

(n,He3) Levels
293 Kelvin Cross Sections

35-Br-78



13

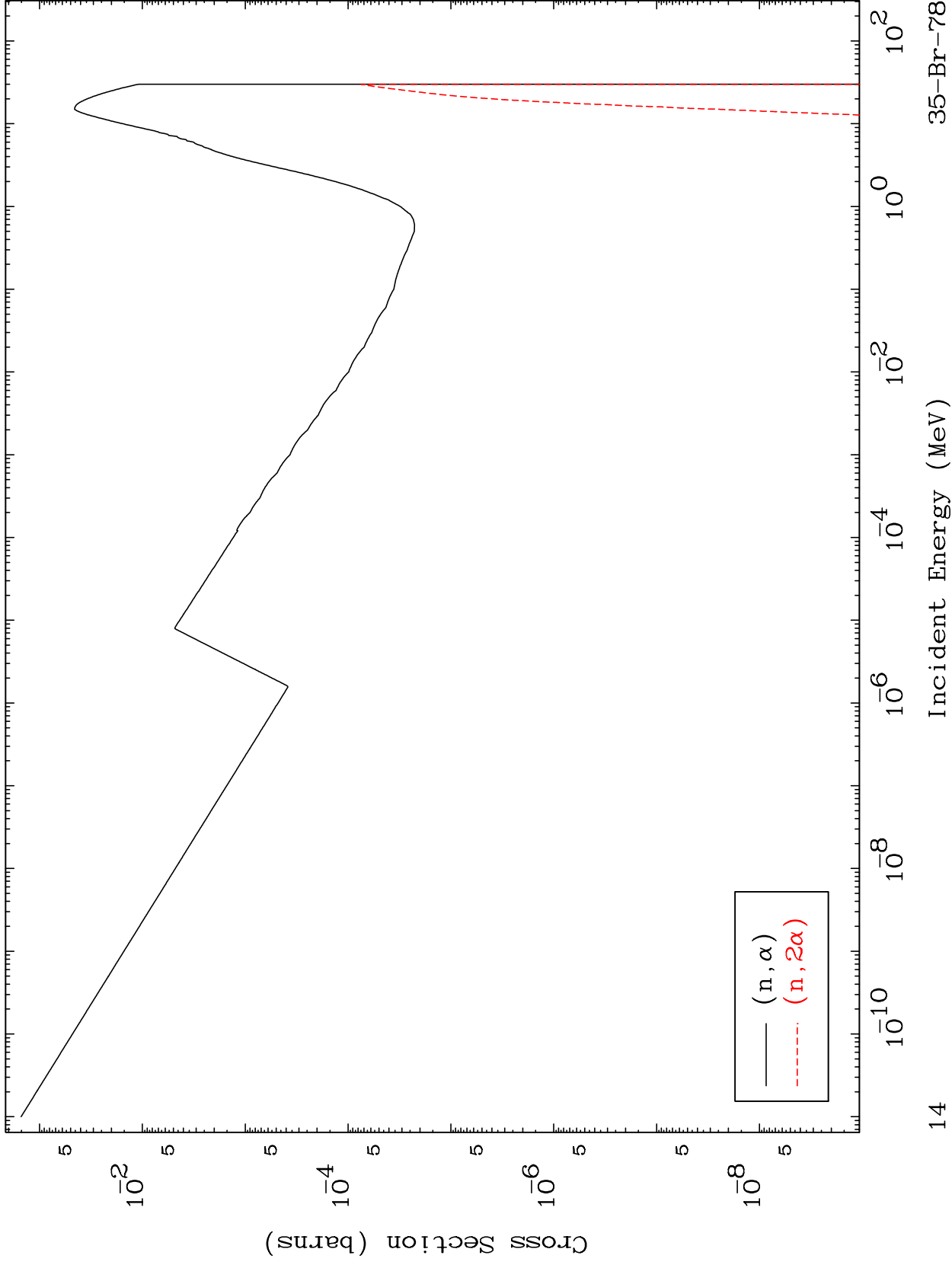
Incident Energy (MeV)

35-Br-78

MAT 3522

(n, α) Levels
293 Kelvin Cross Sections

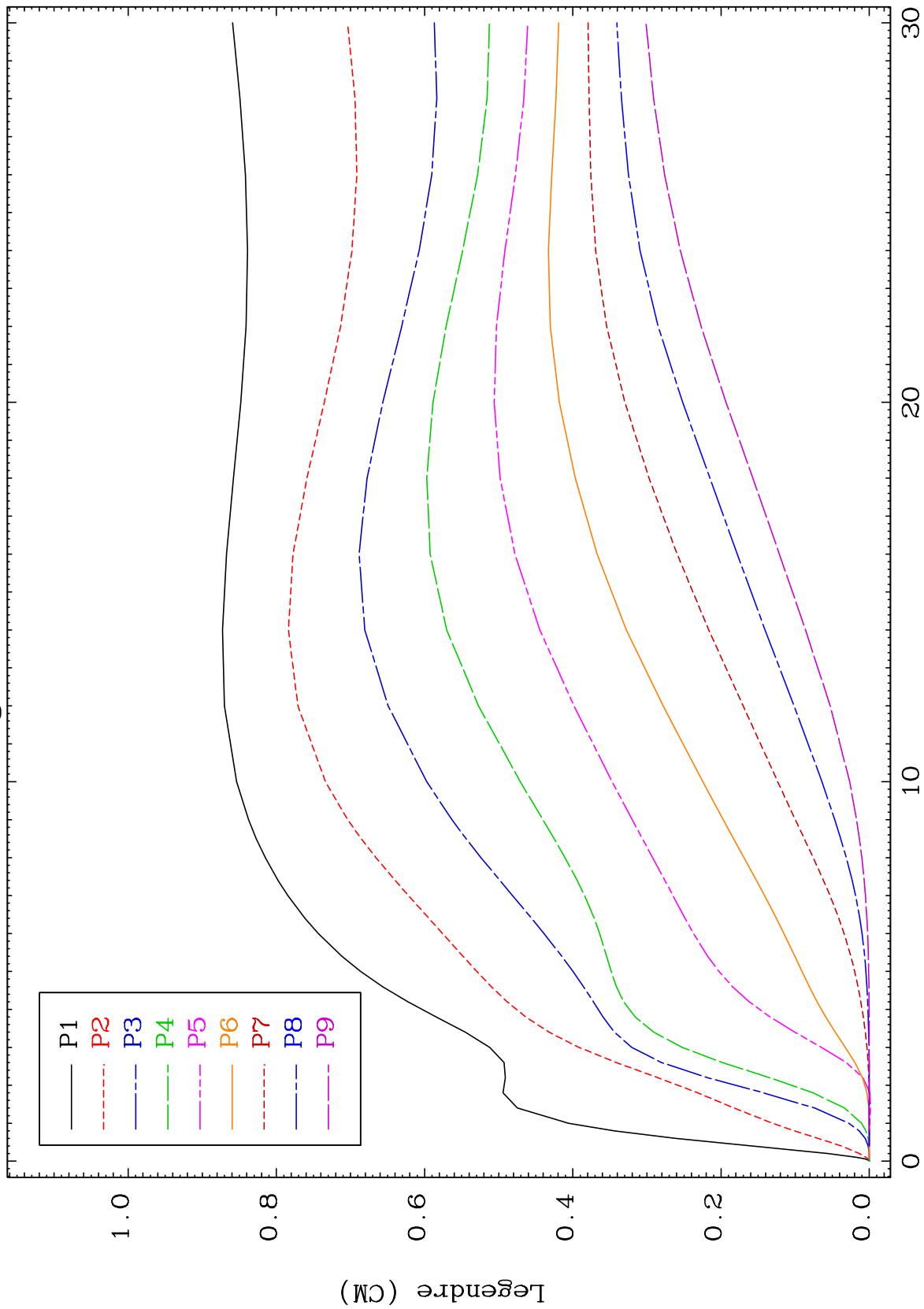
35-Br-78



MAT 3522

Elastic Legendre Coefficients

³⁵Br-78



15

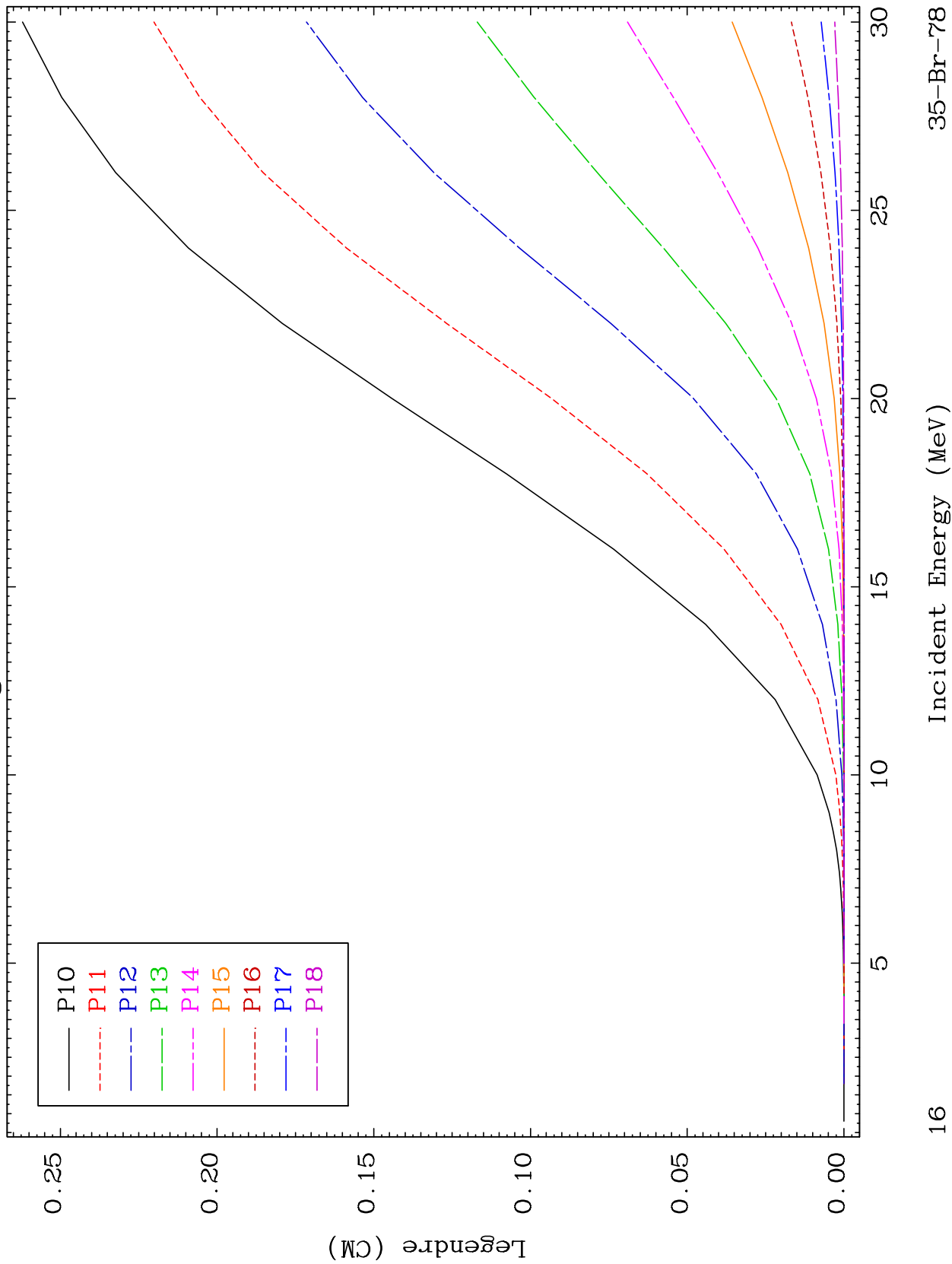
Incident Energy (MeV)

³⁵Br-78

MAT 3522

Elastic Legendre Coefficients

³⁵Br-78



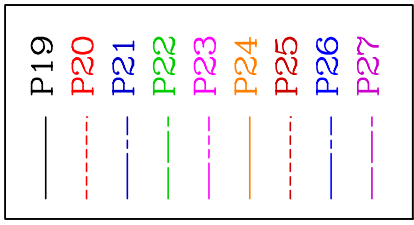
16

³⁵Br-78

MAT 3522

Elastic Legendre Coefficients

35-Br-78



$\times 10^{-3}$

Legendre (CM)

1.0

0.8

0.6

0.4

0.2

0.0

10

15

20

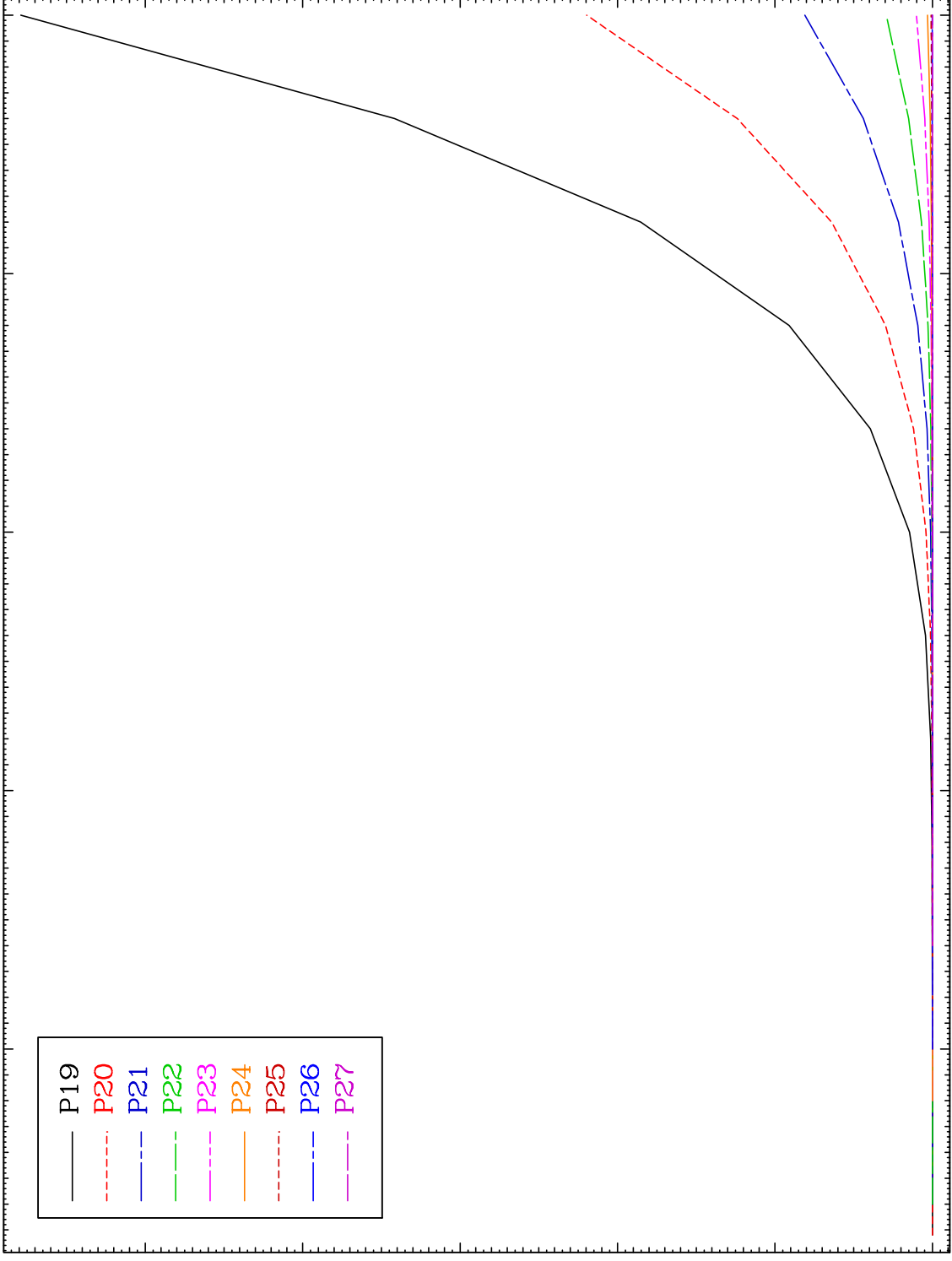
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30

17

Incident Energy (MeV)

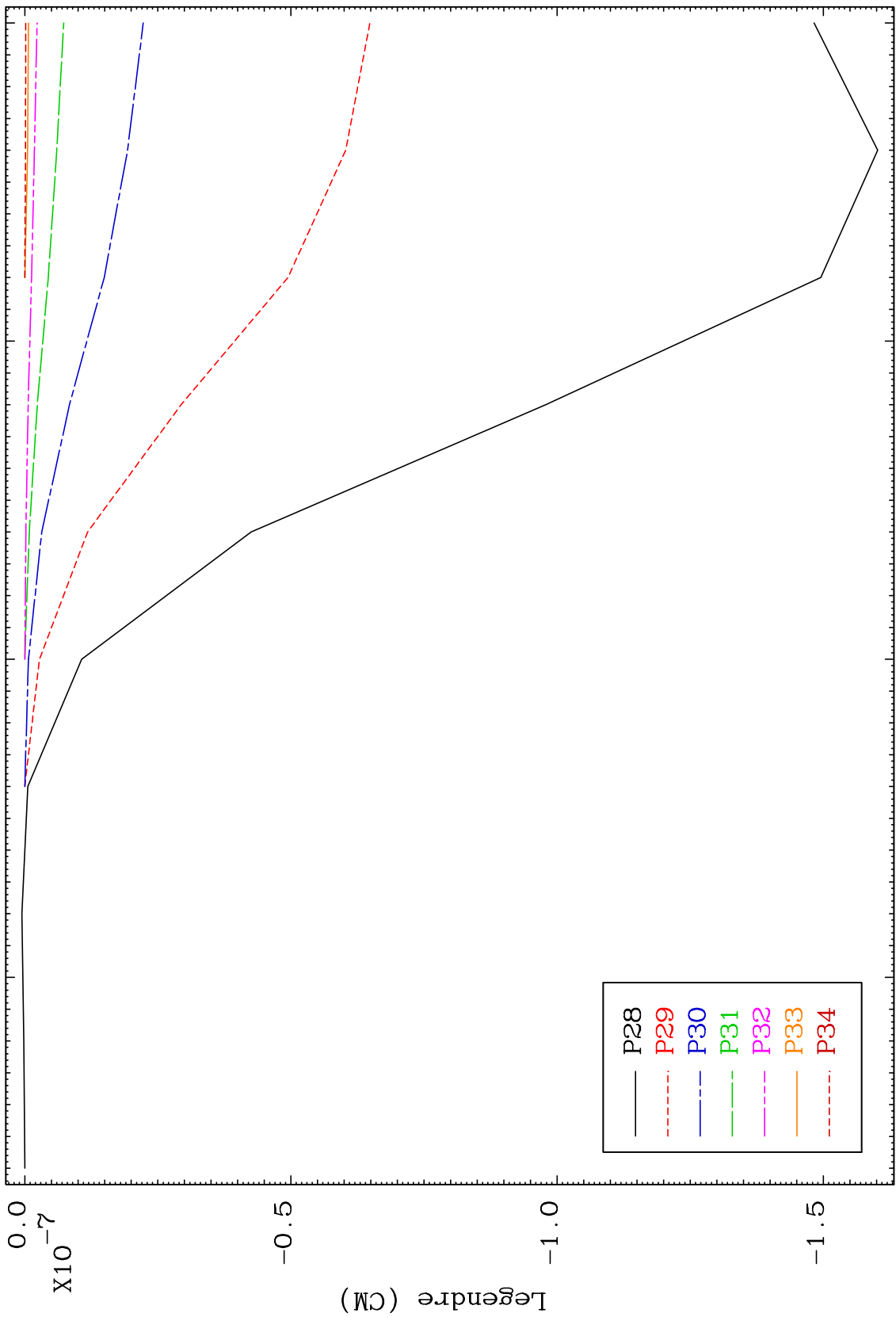
35-Br-78



MAT 3522

35-Br-78

Elastic Legendre Coefficients



18

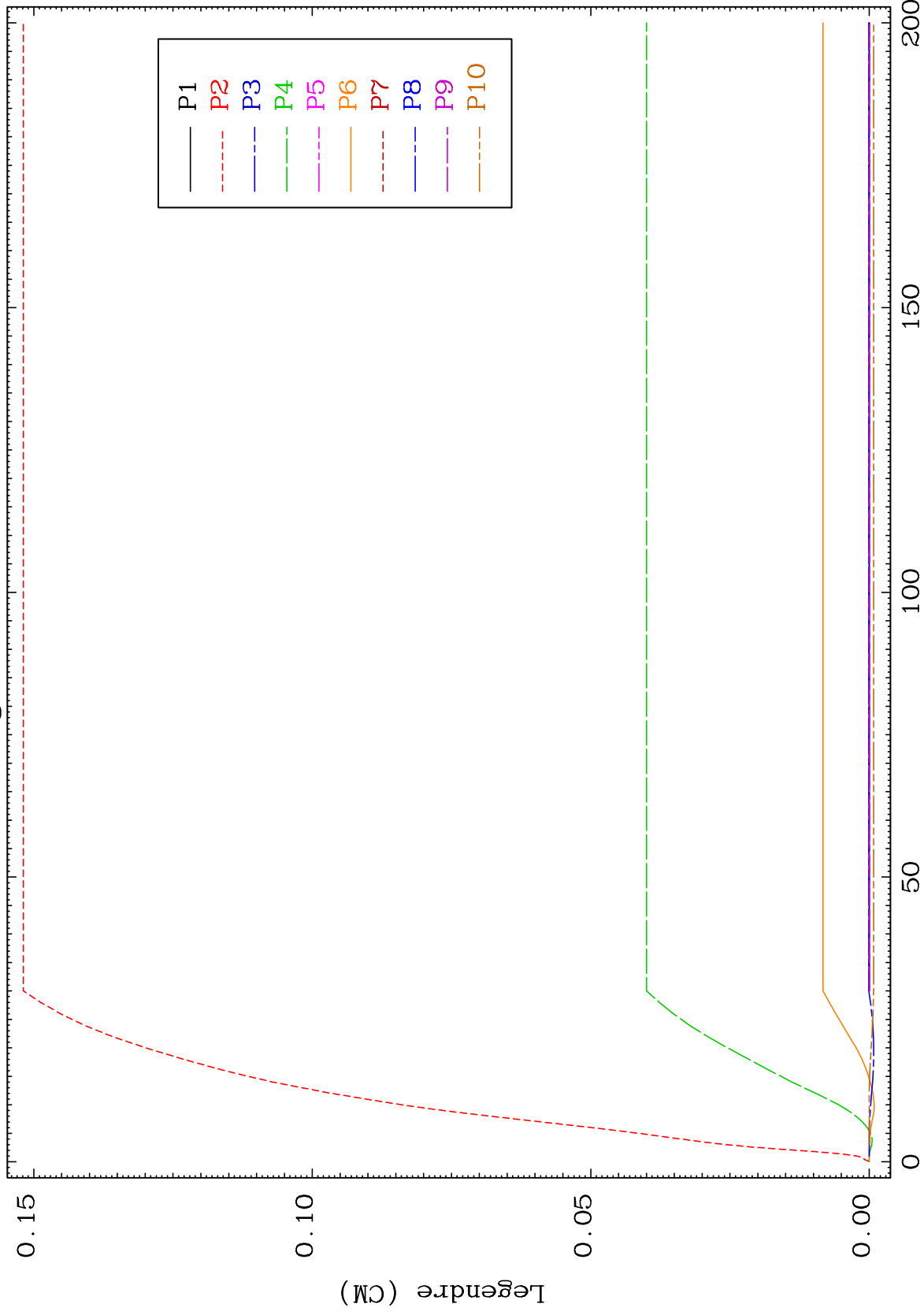
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



19

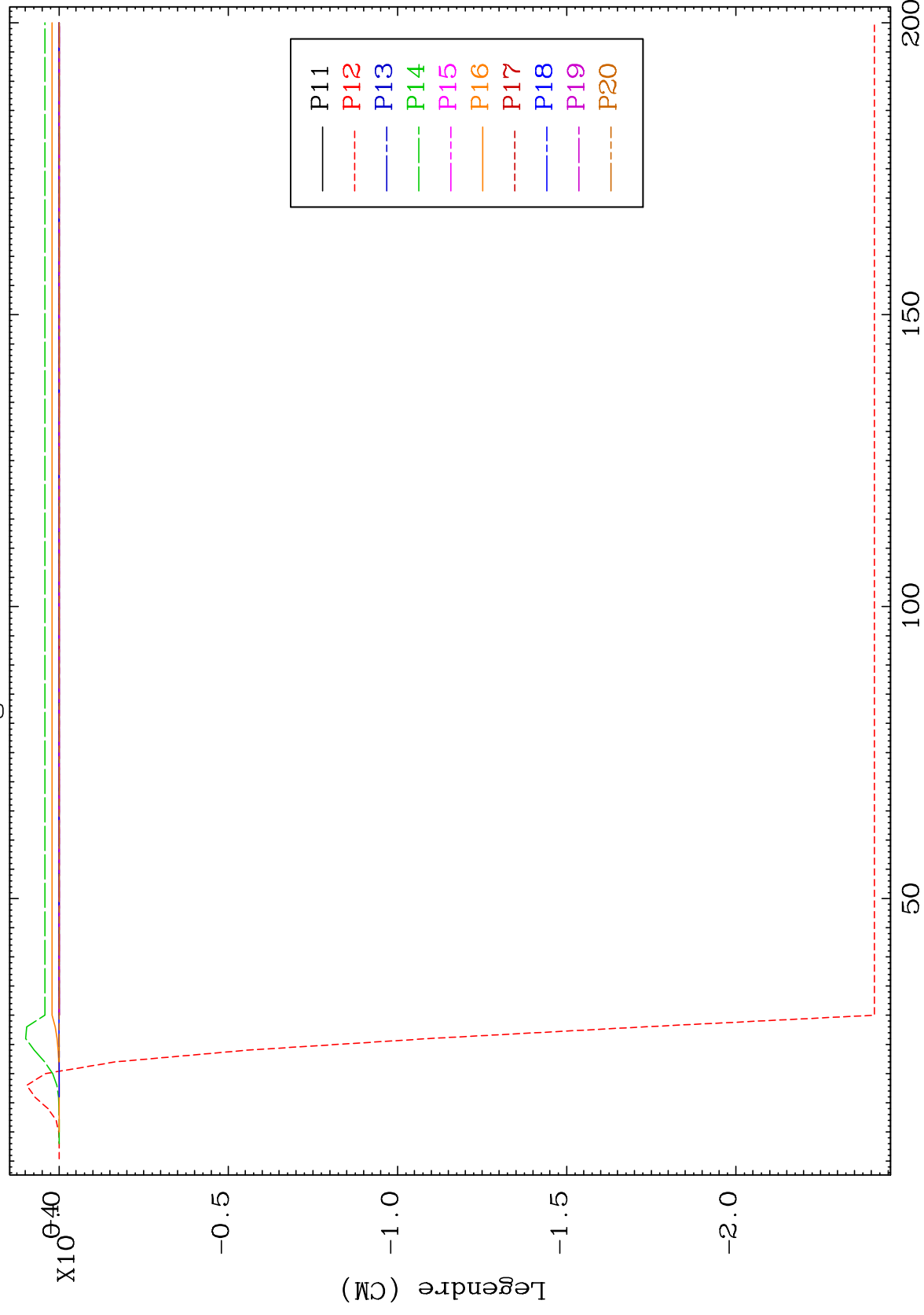
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



20

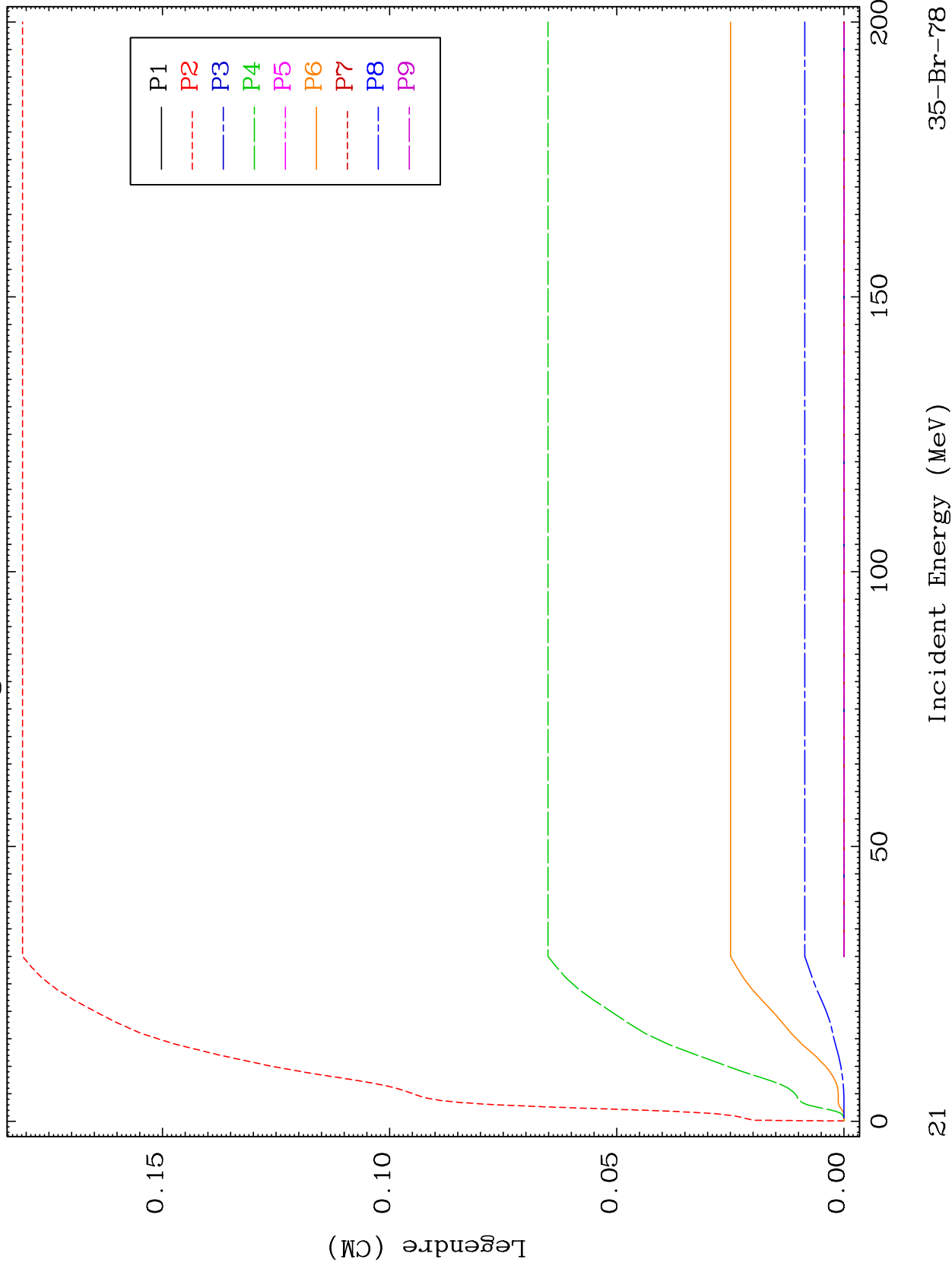
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



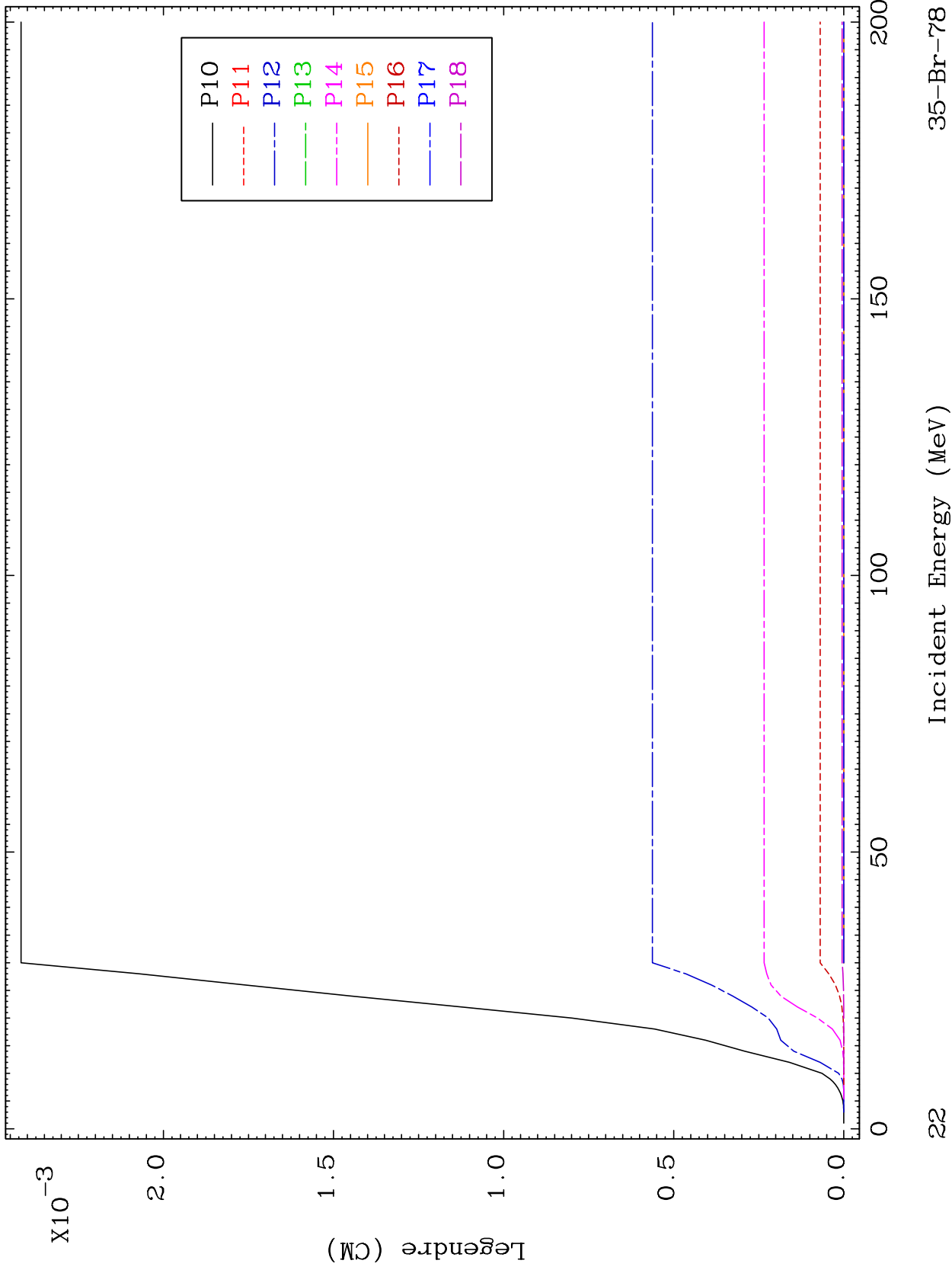
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35-Br-78

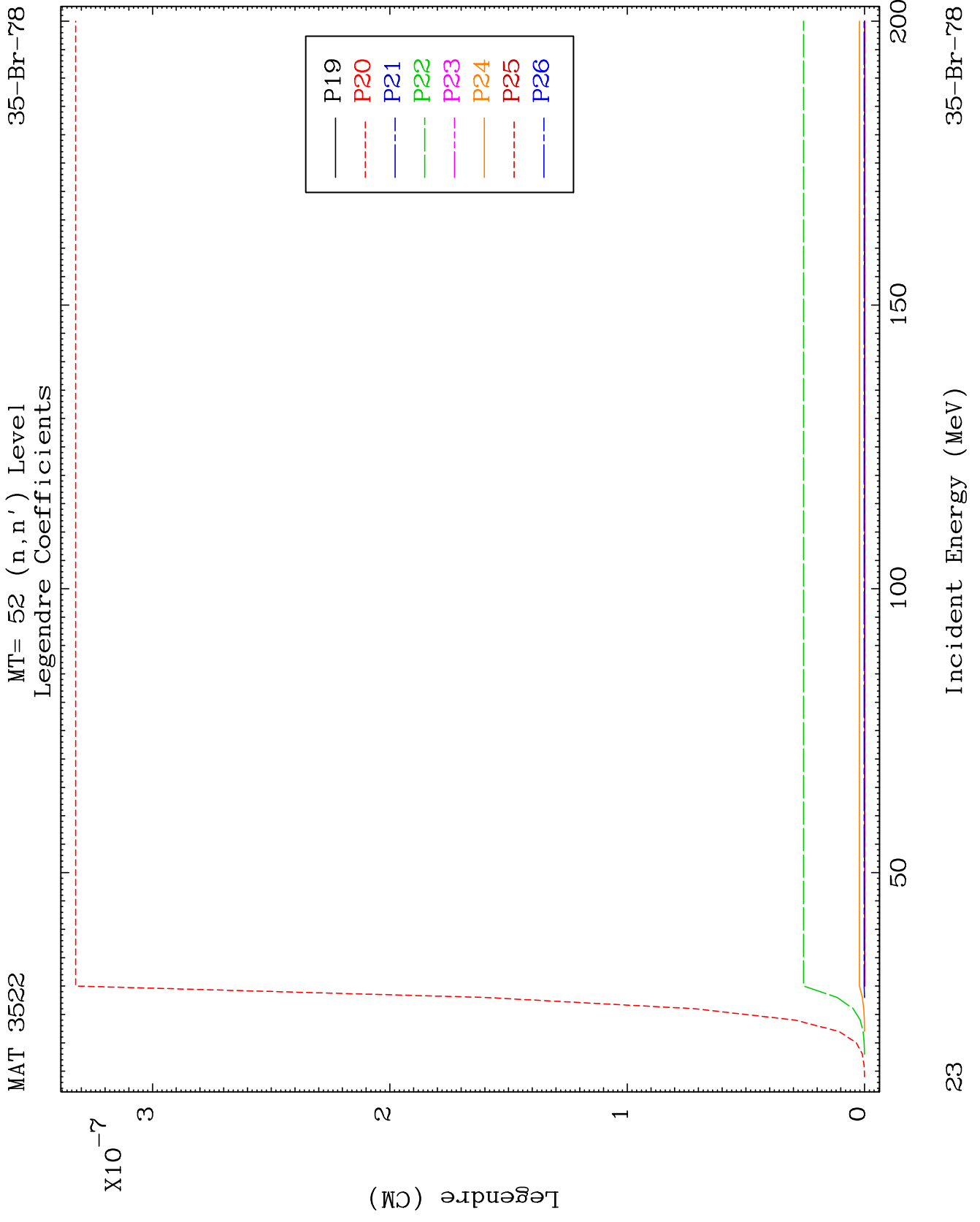
MAT 3522

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

35-Br-78



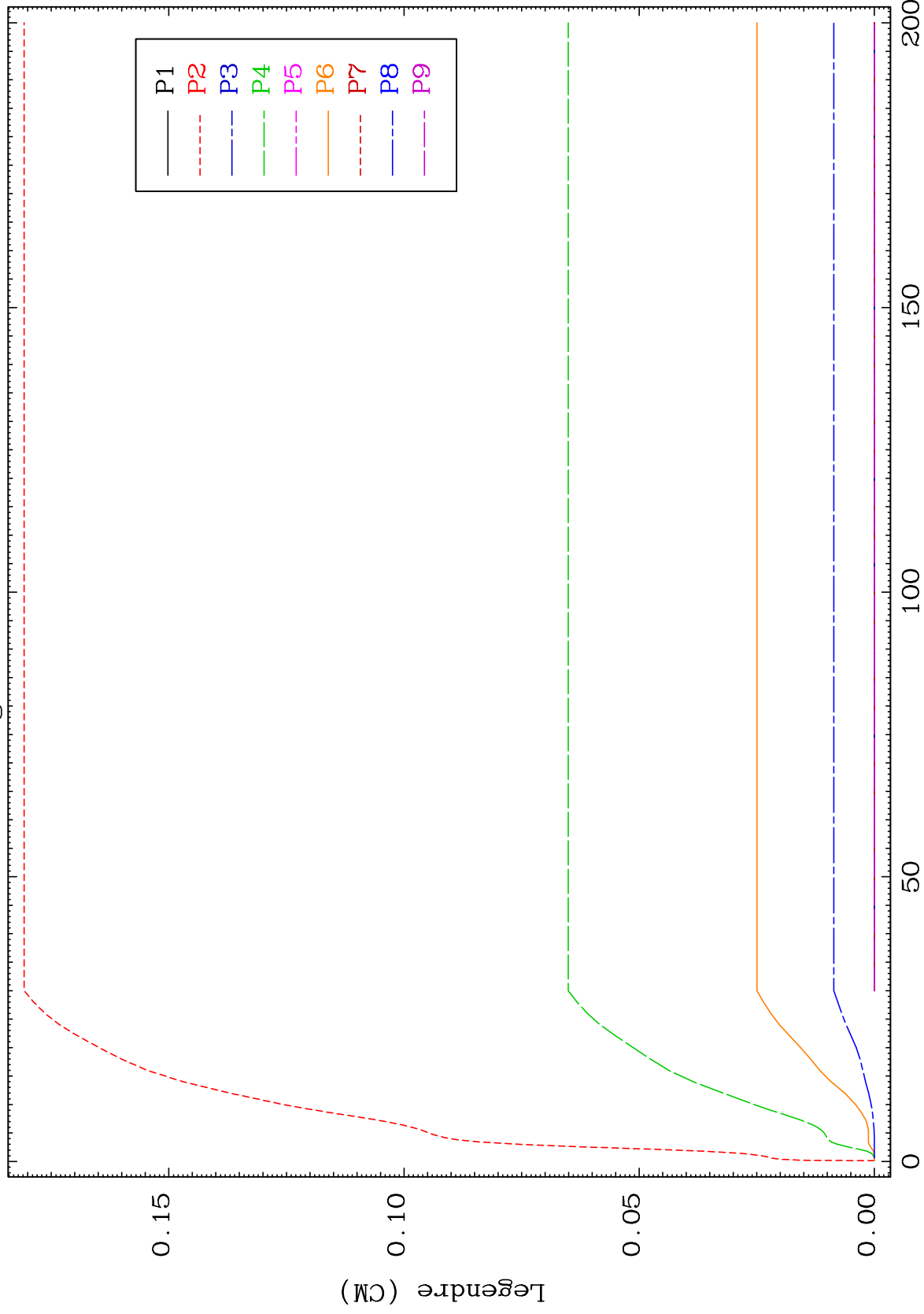
22



MAT 3522

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

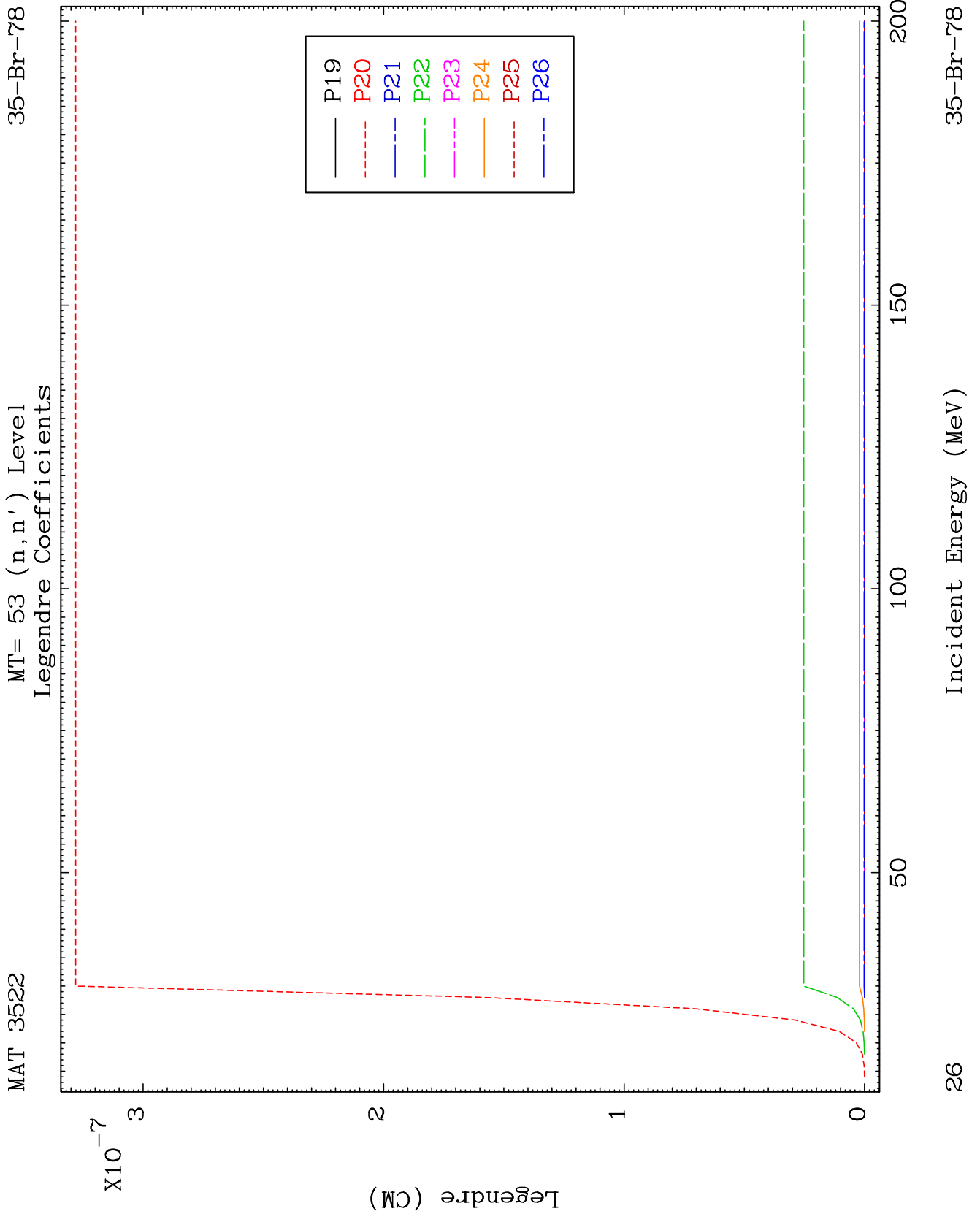
35-Br-78



24

Incident Energy (MeV)

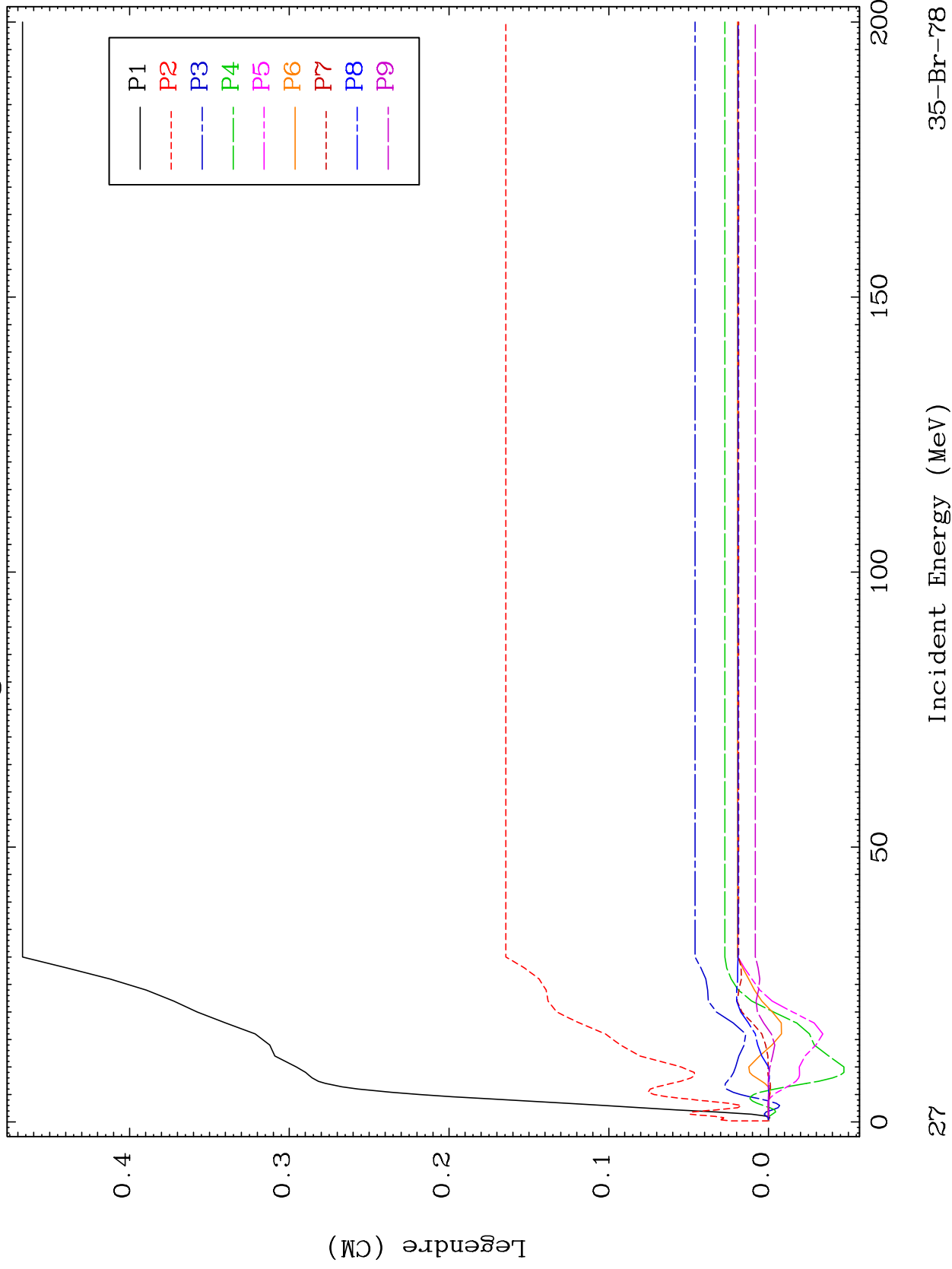
35-Br-78



MAT 3522

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

35-Br-78



35-Br-78

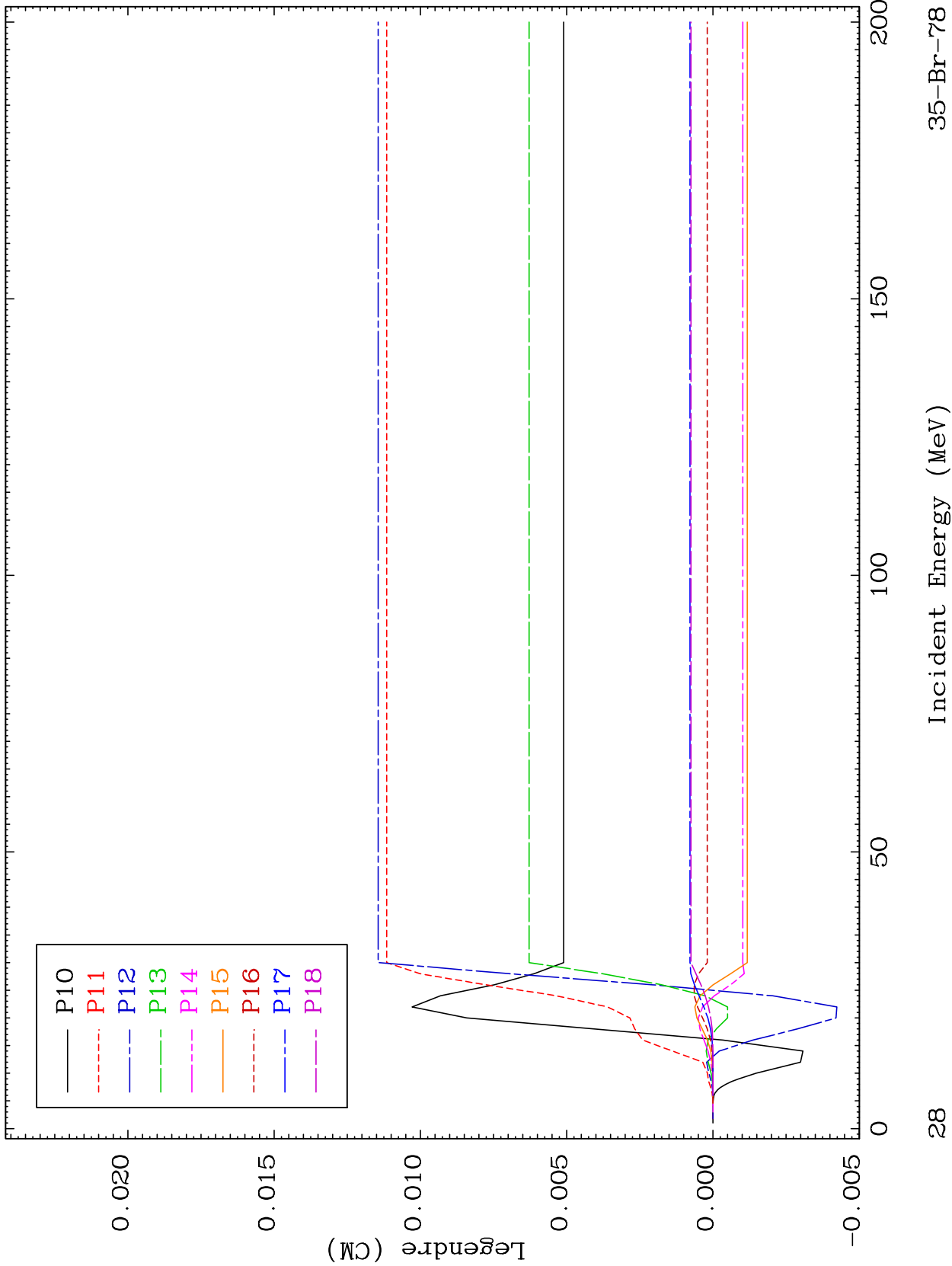
Incident Energy (MeV)

27

MAT 3522

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

35-Br-78



28

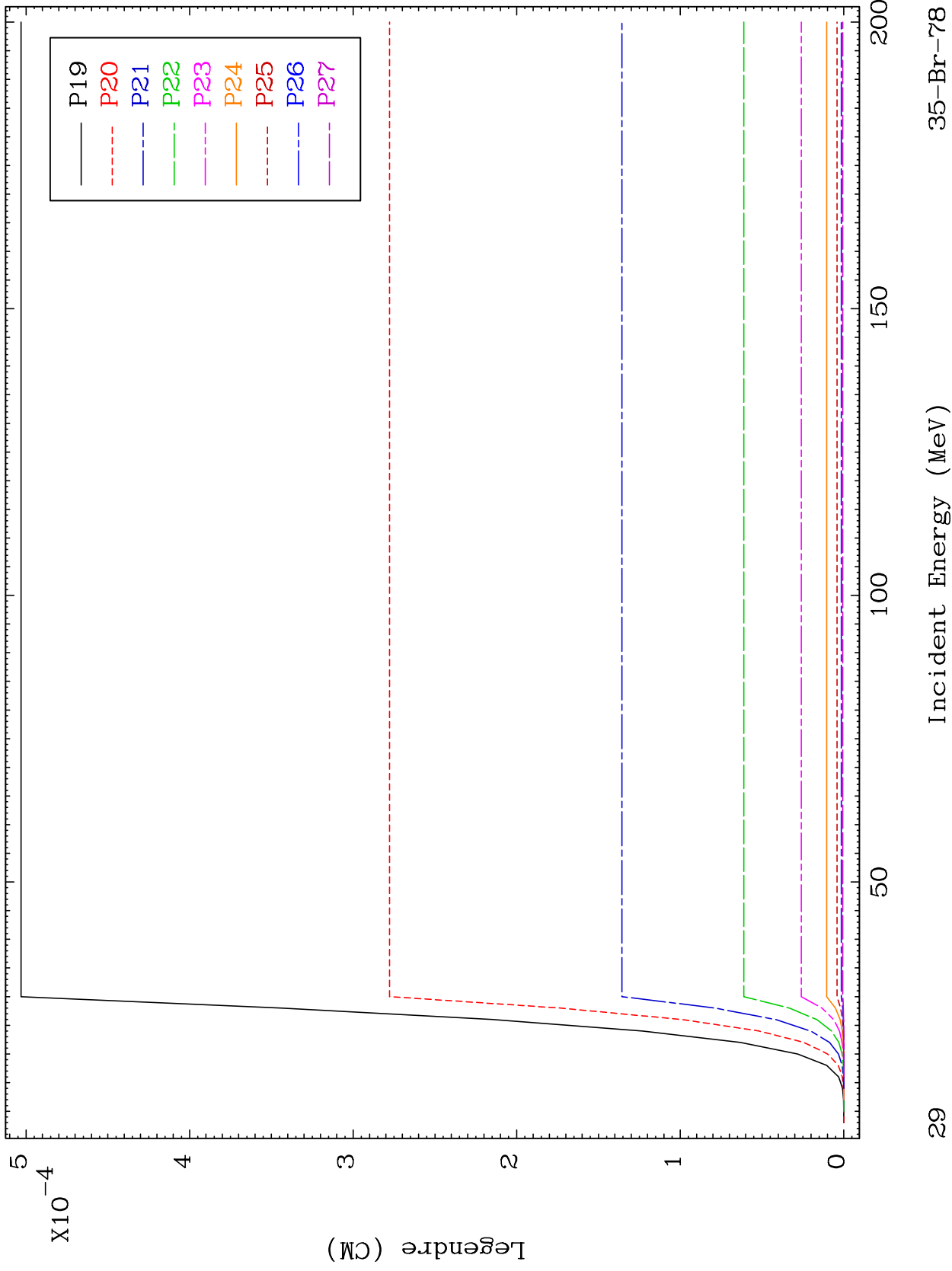
Incident Energy (MeV)

35-Br-78

MAT 3522

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

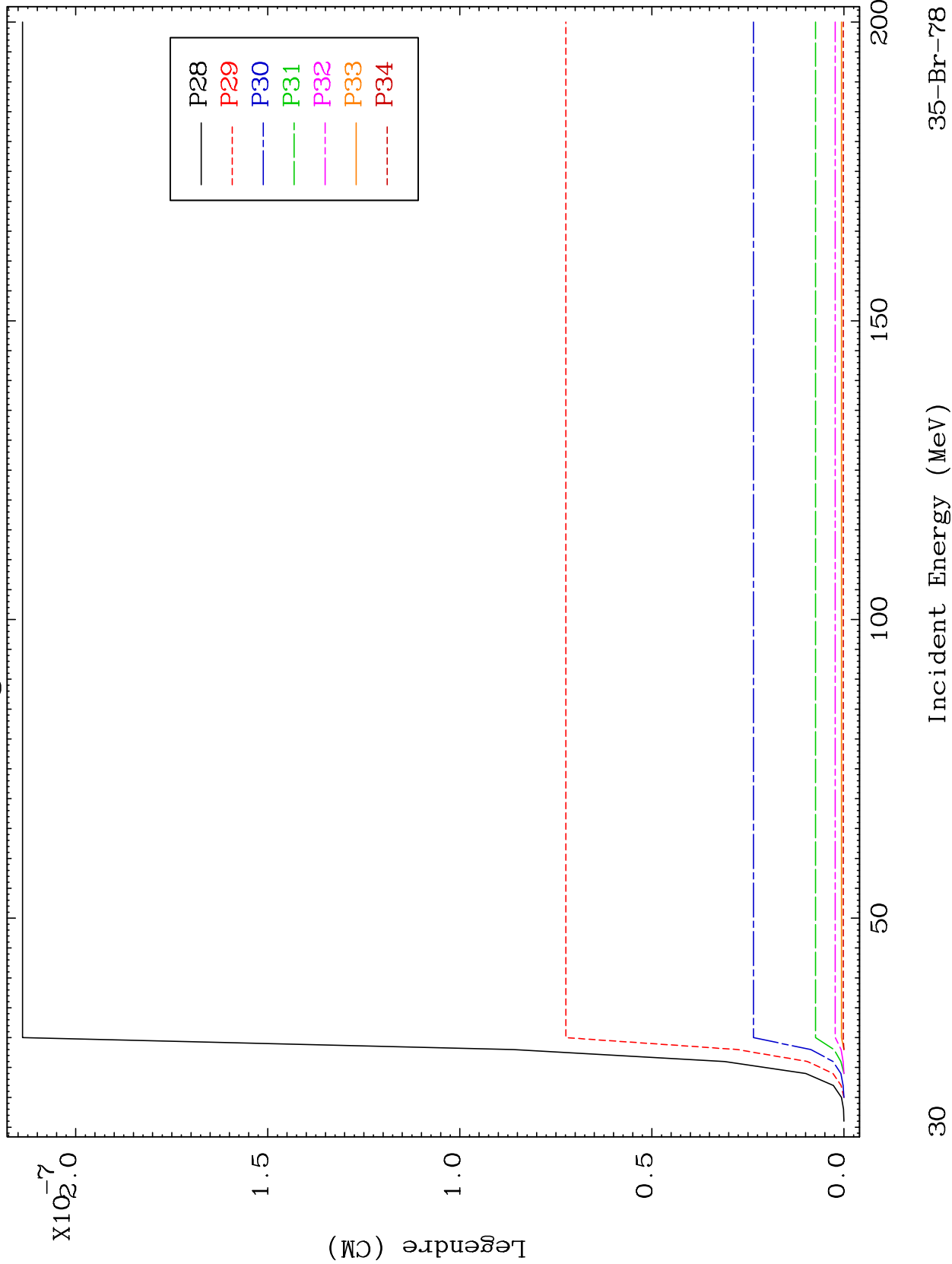
35-Br-78



MAT 3522

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

35-Br-78



30

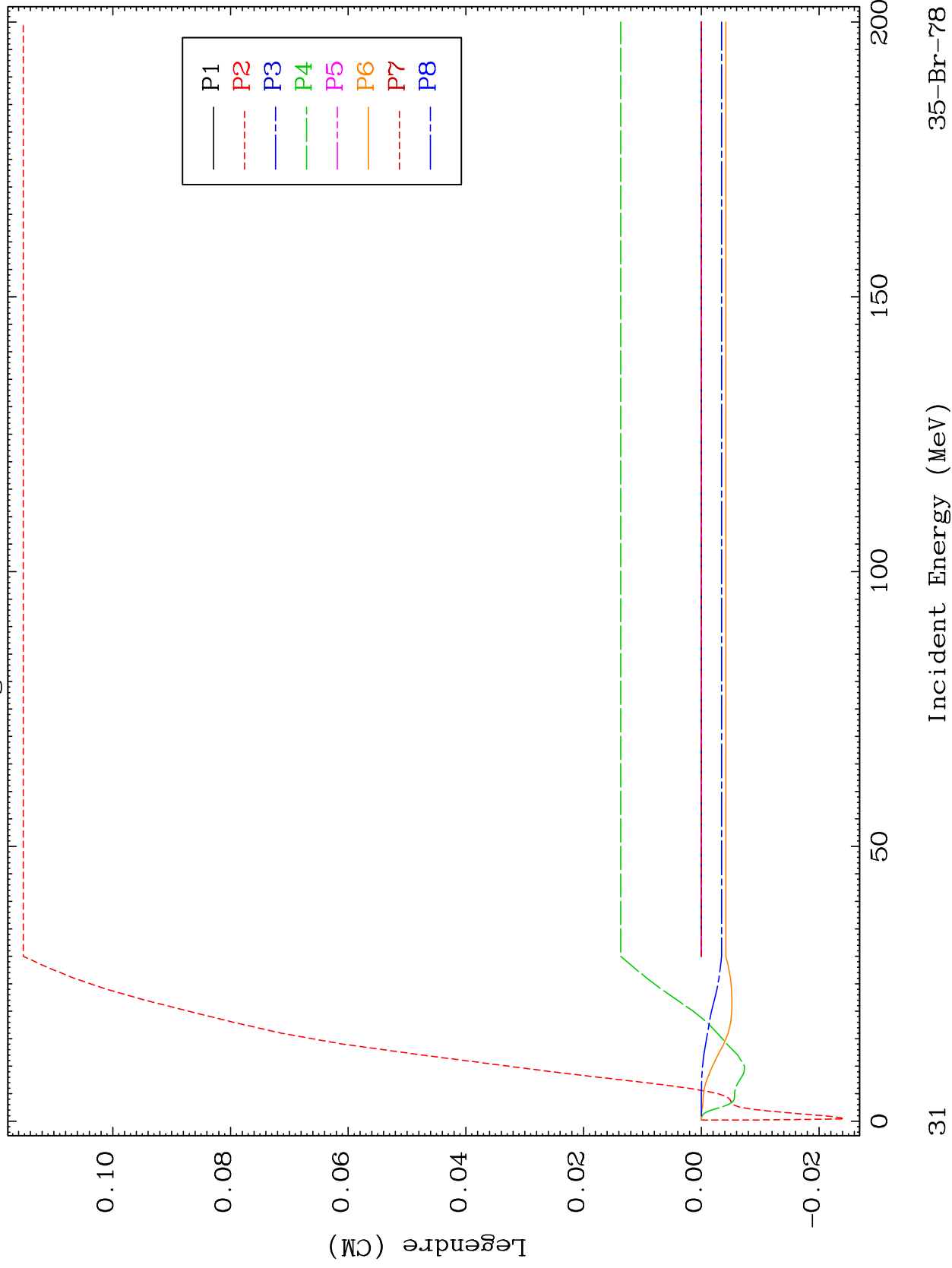
Incident Energy (MeV)

35-Br-78

MAT 3522

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

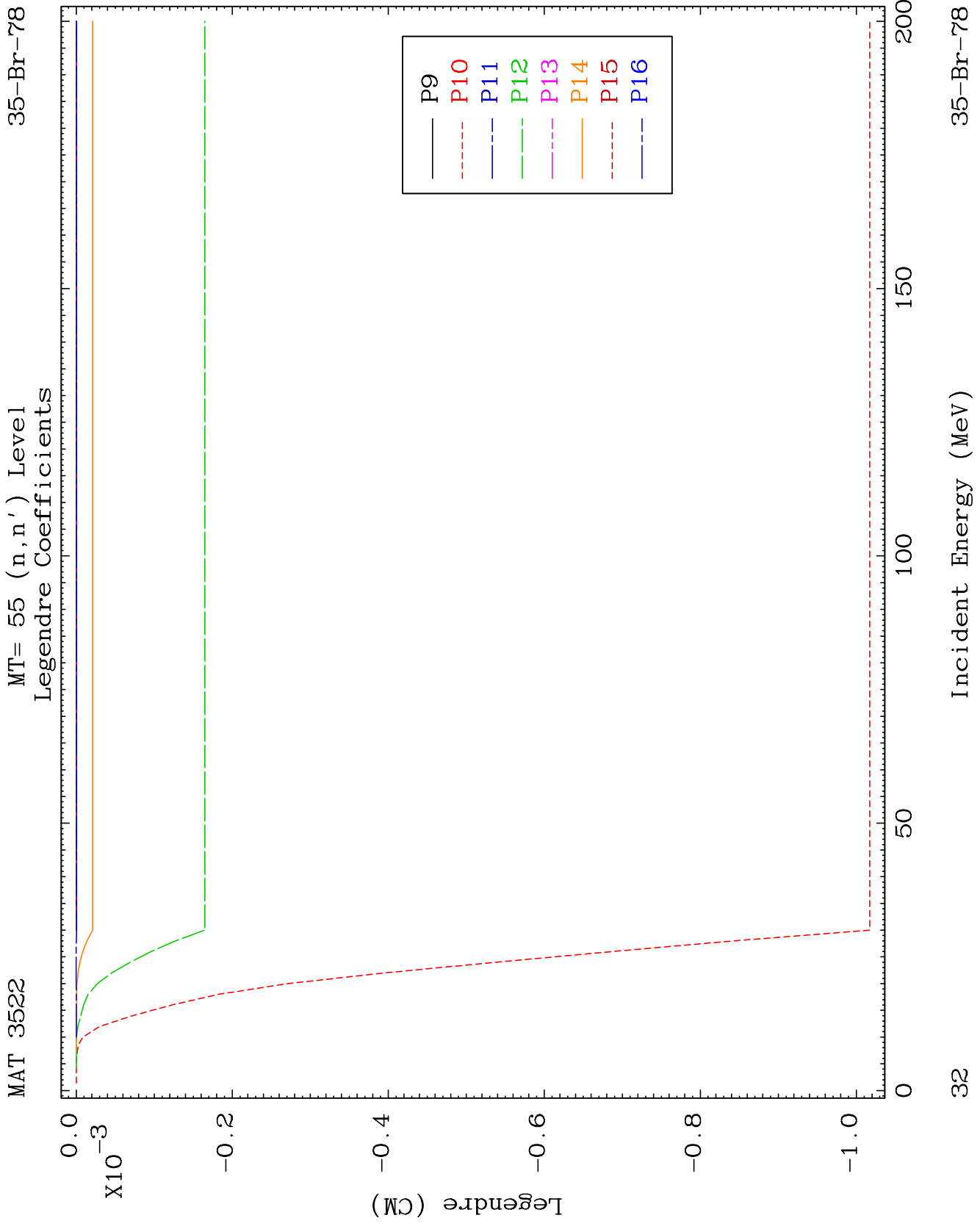
35-Br-78

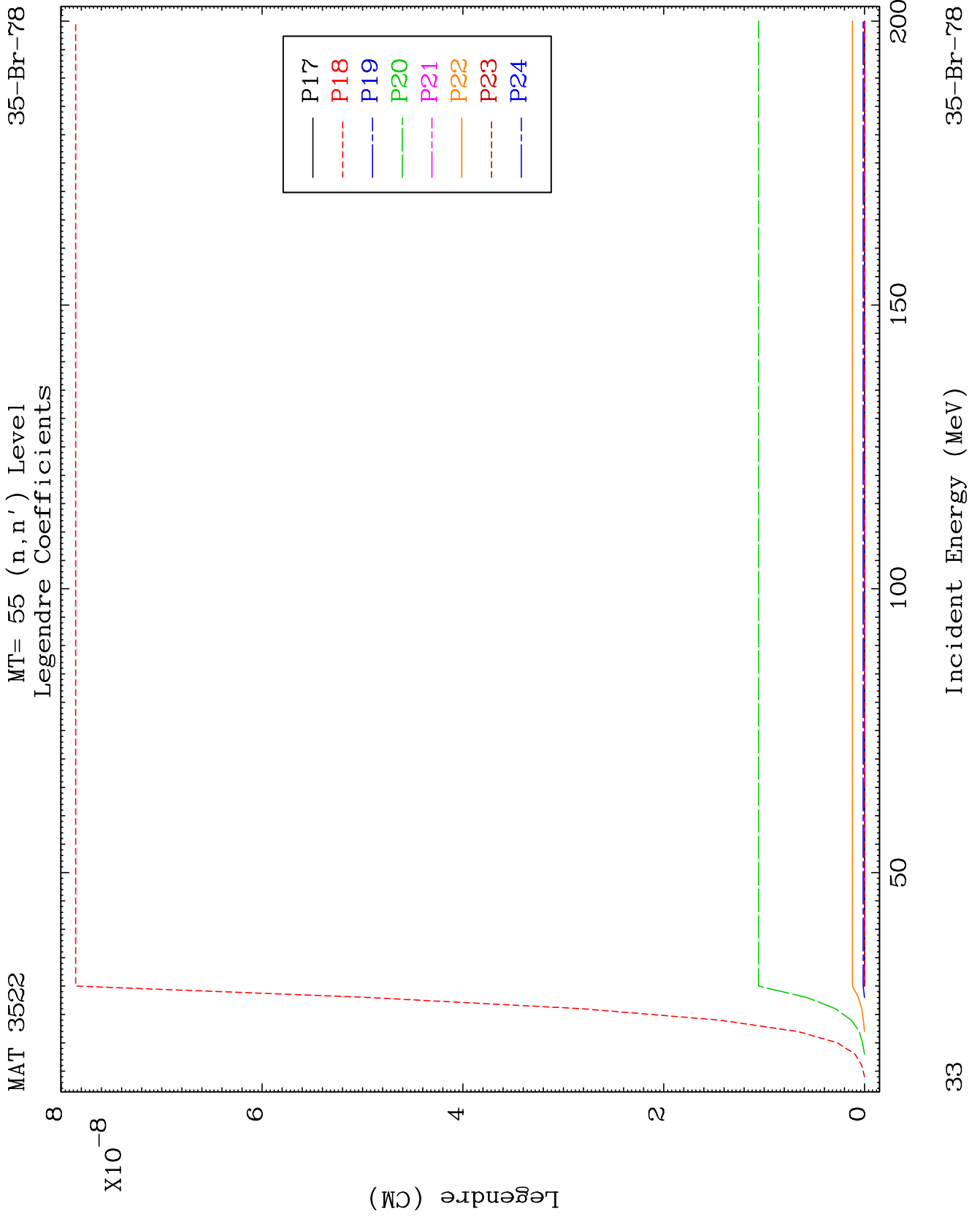


31

Incident Energy (MeV)

35-Br-78

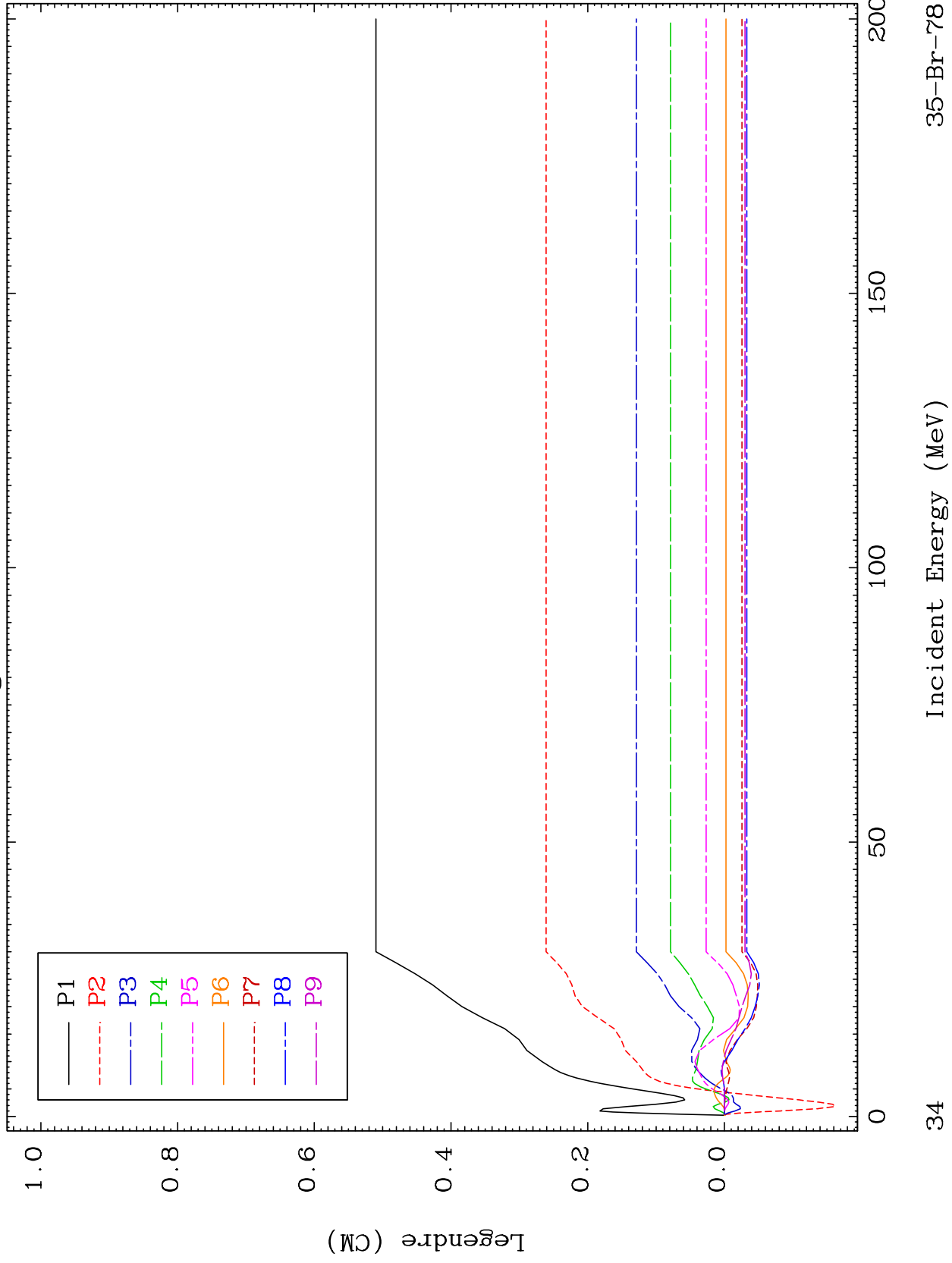




MAT 3522

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

35-Br-78



35-Br-78

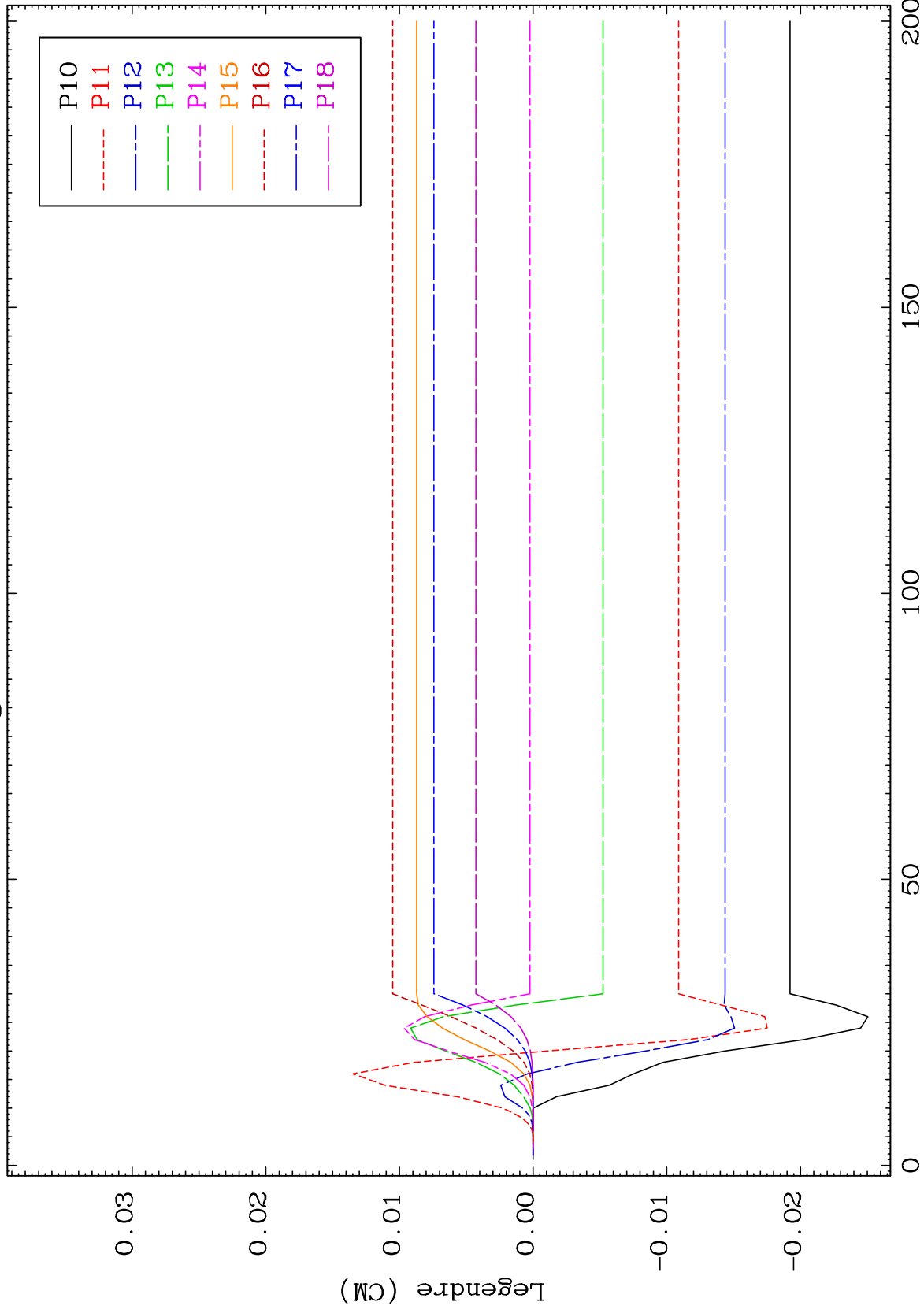
Incident Energy (MeV)

34

MAT 3522

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

35-Br-78



35

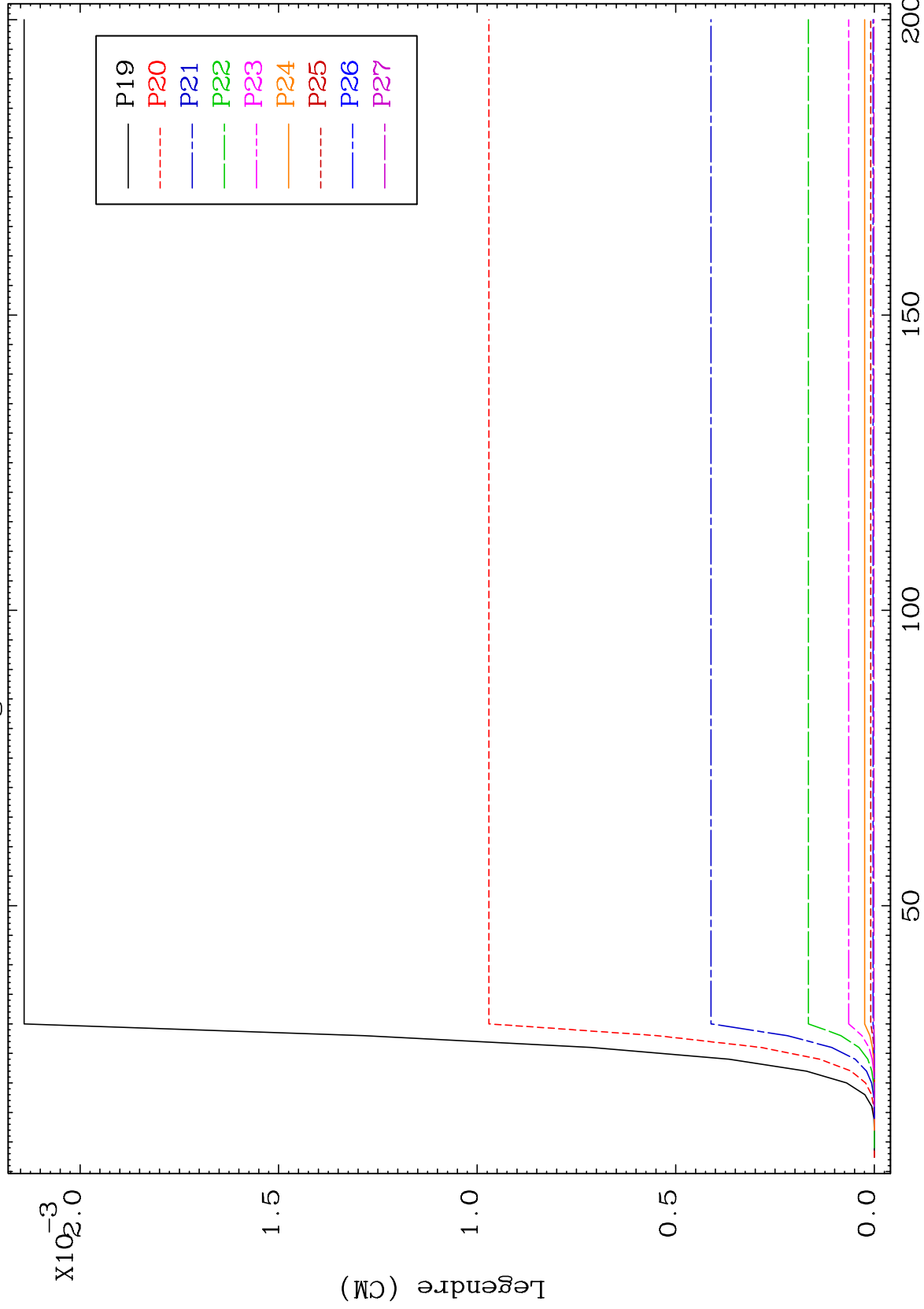
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



36

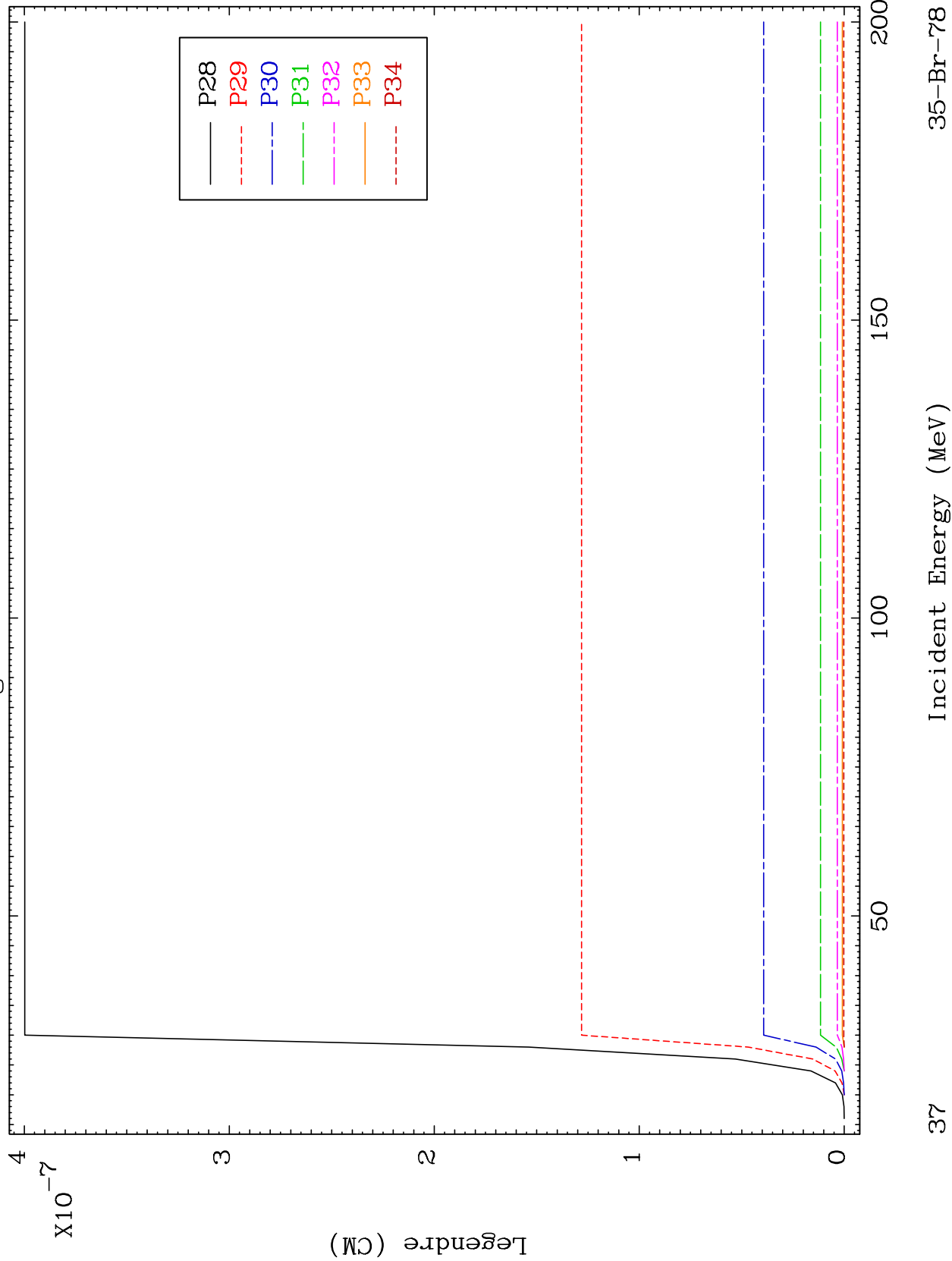
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



37

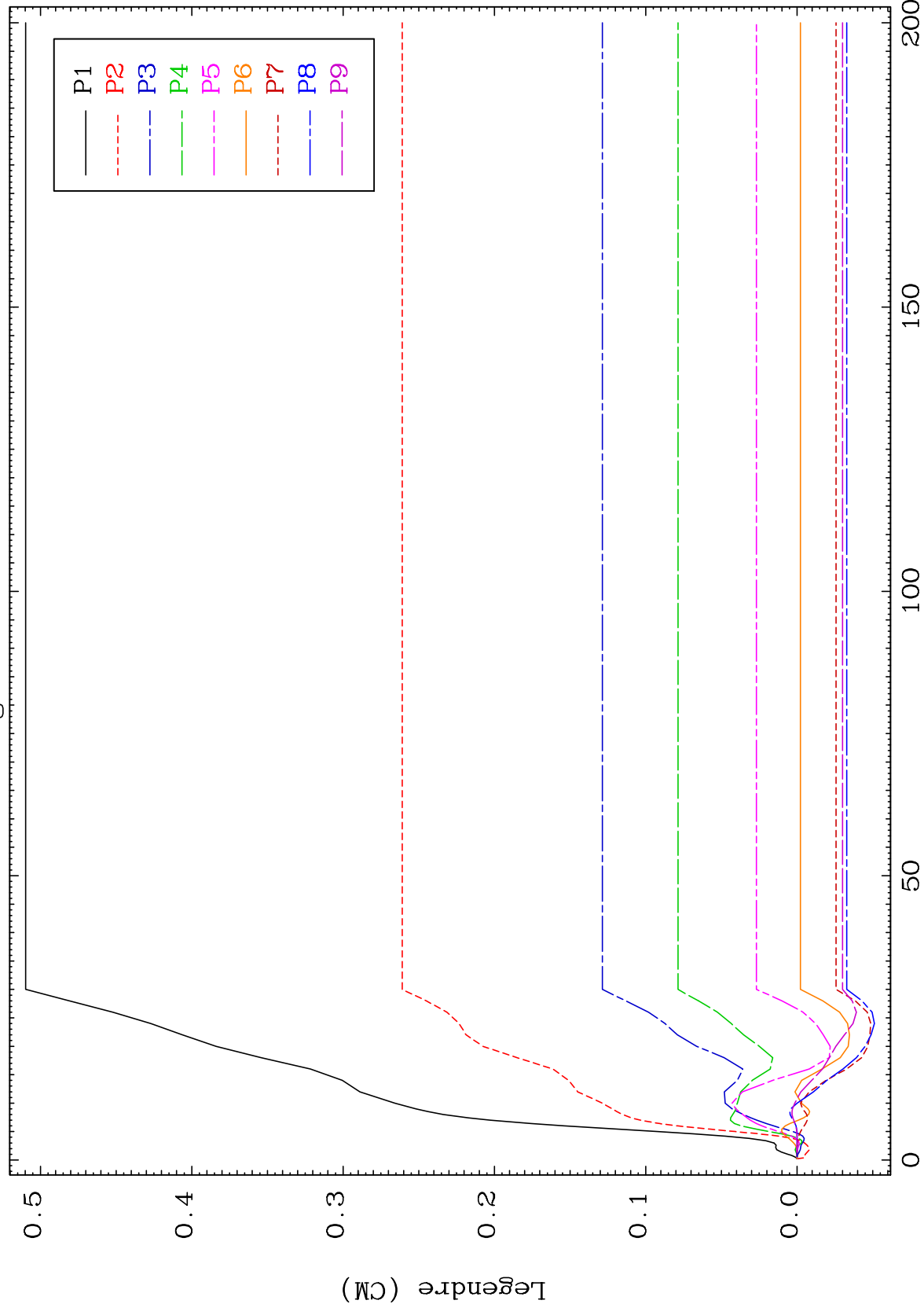
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



38

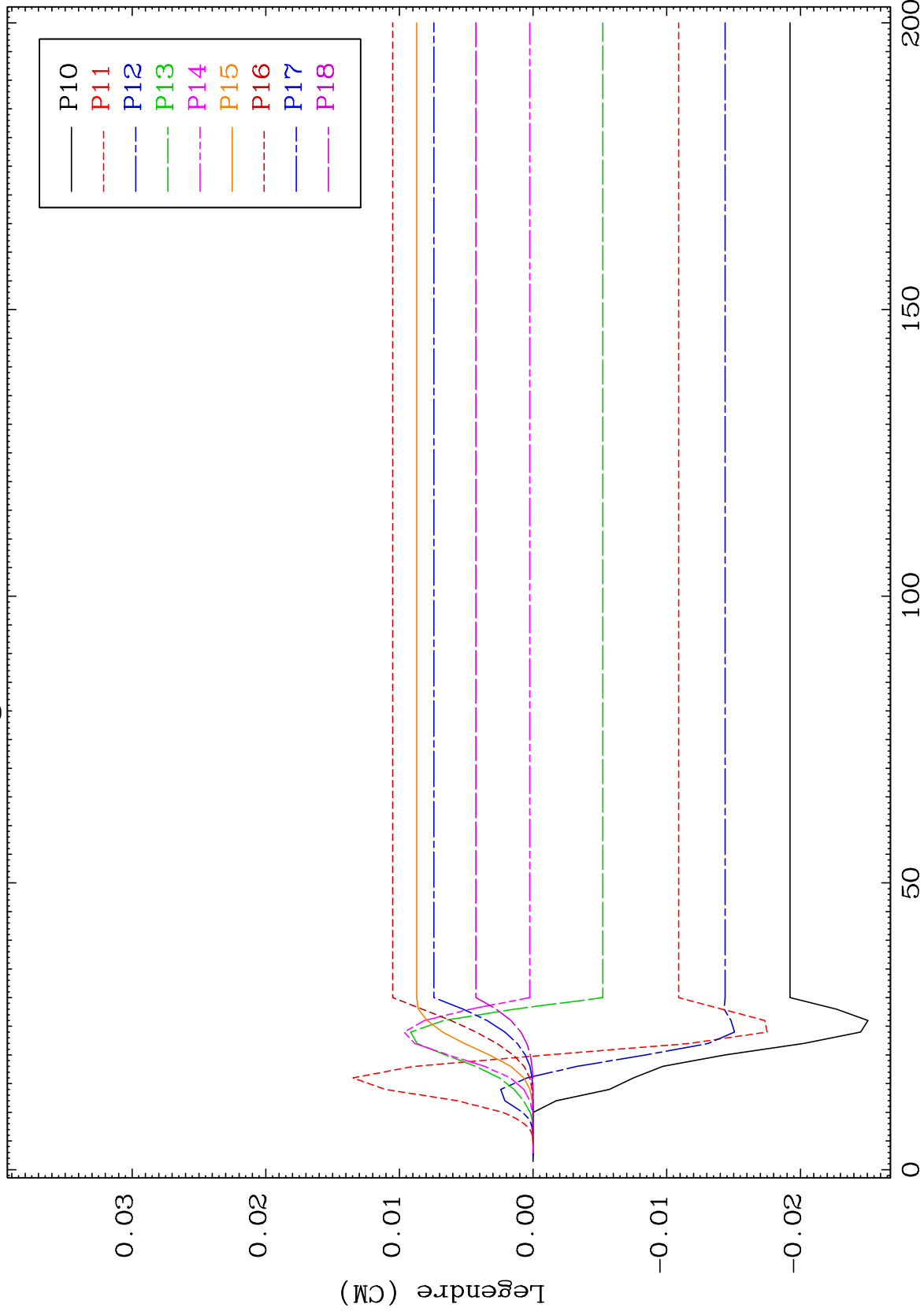
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



39

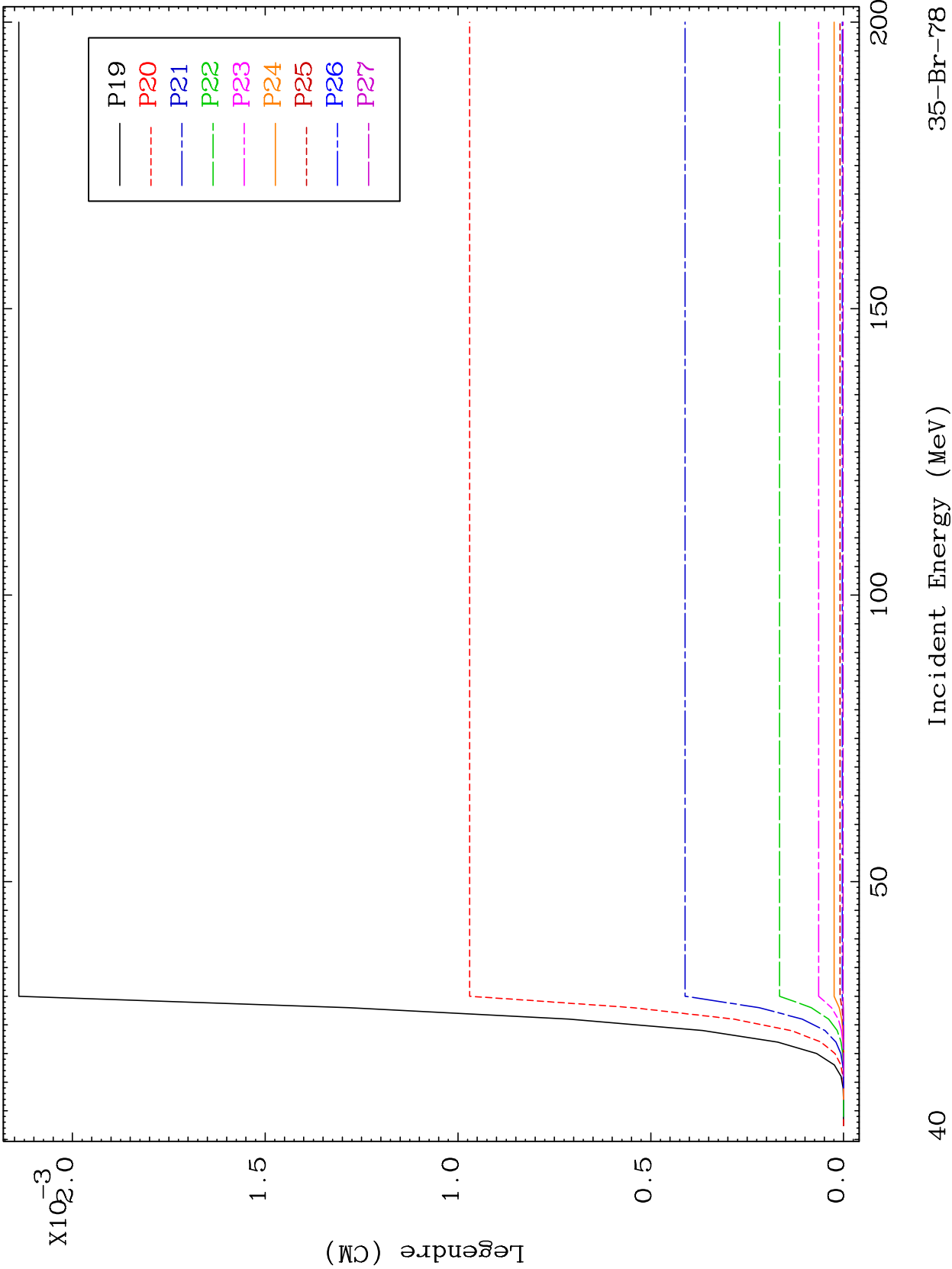
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



40

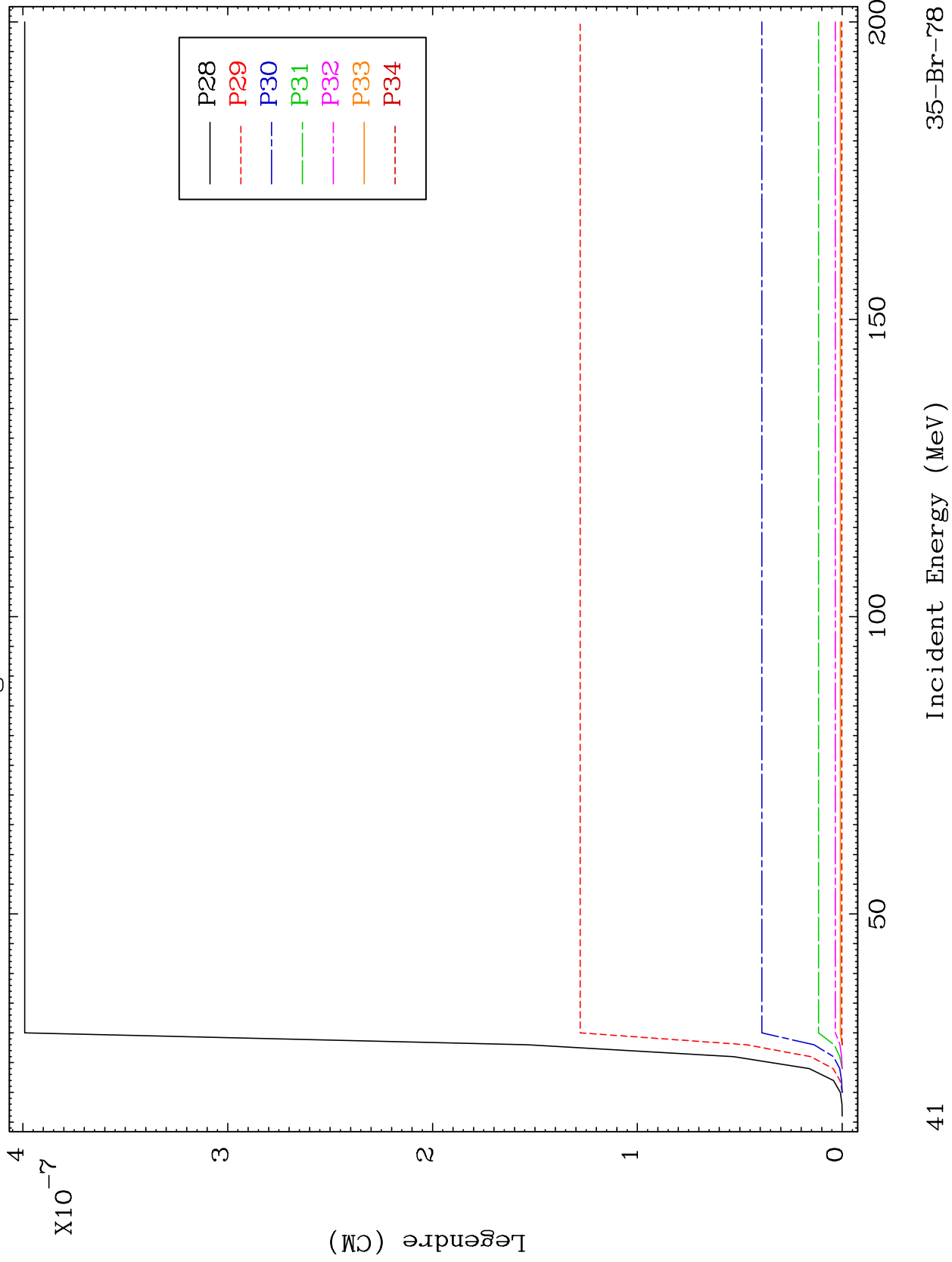
Incident Energy (MeV)

35-Br-78

MAT 3522

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

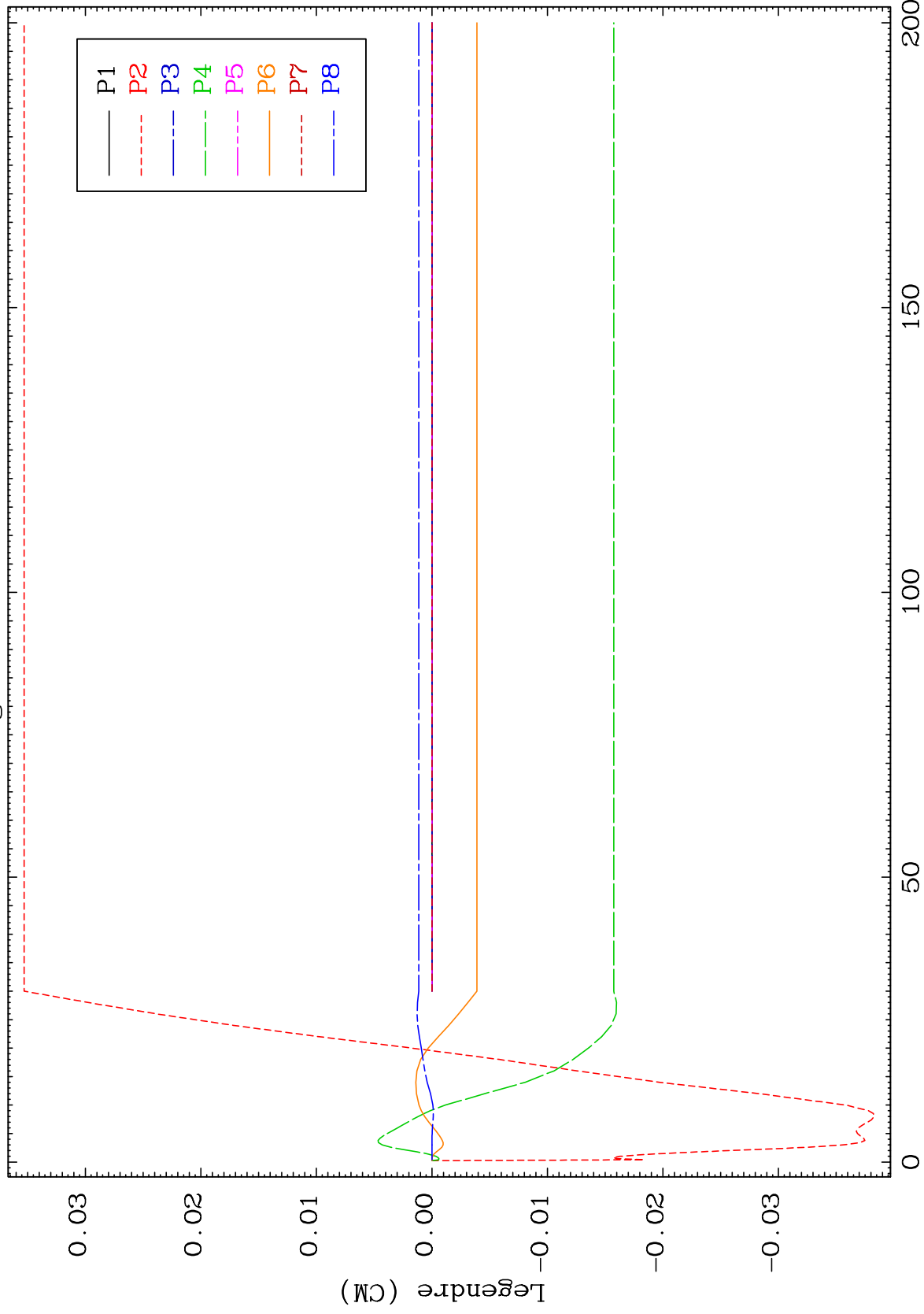
35-Br-78



MAT 3522

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

35-Br-78



35-Br-78

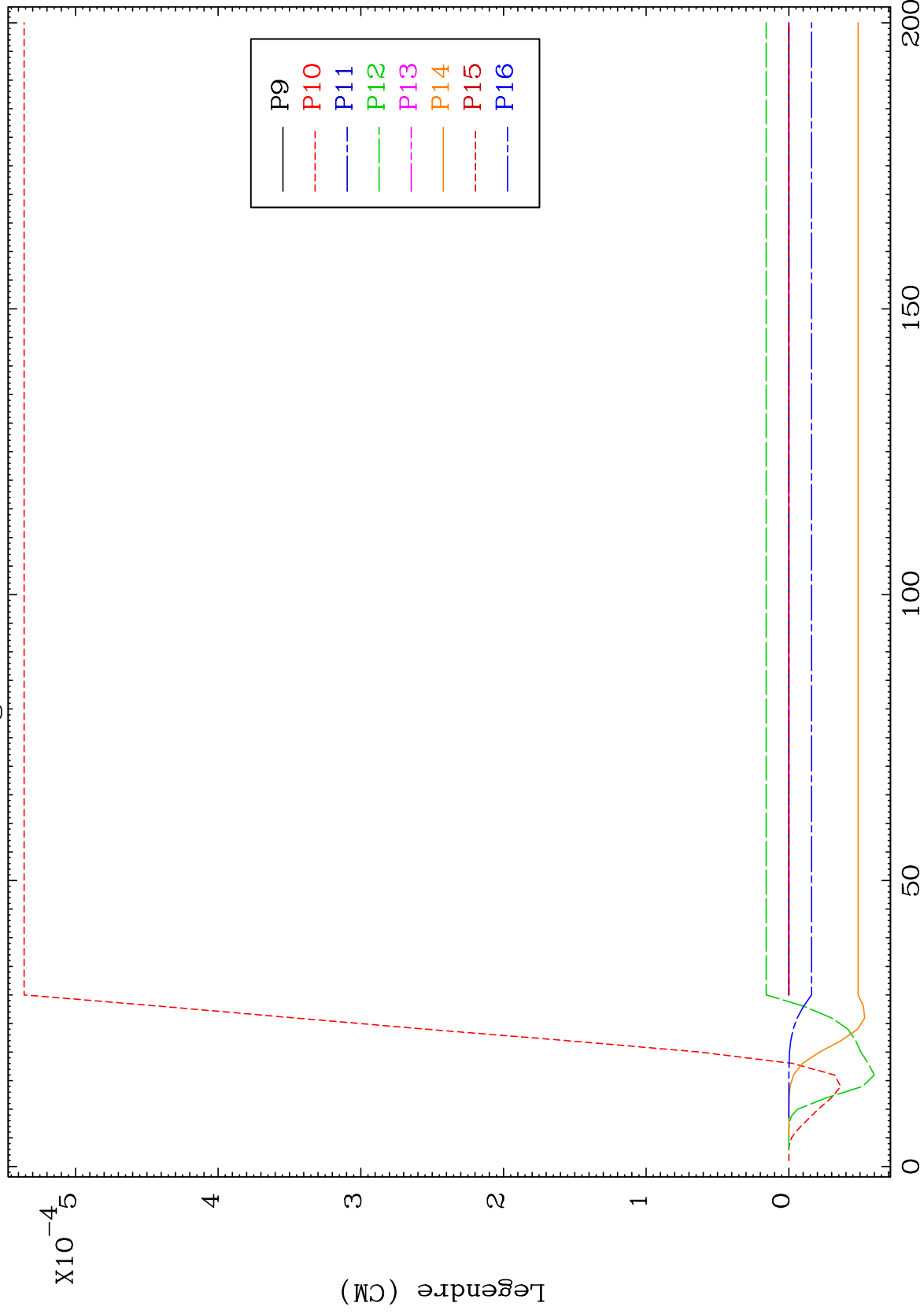
Incident Energy (MeV)

42

MAT 3522

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

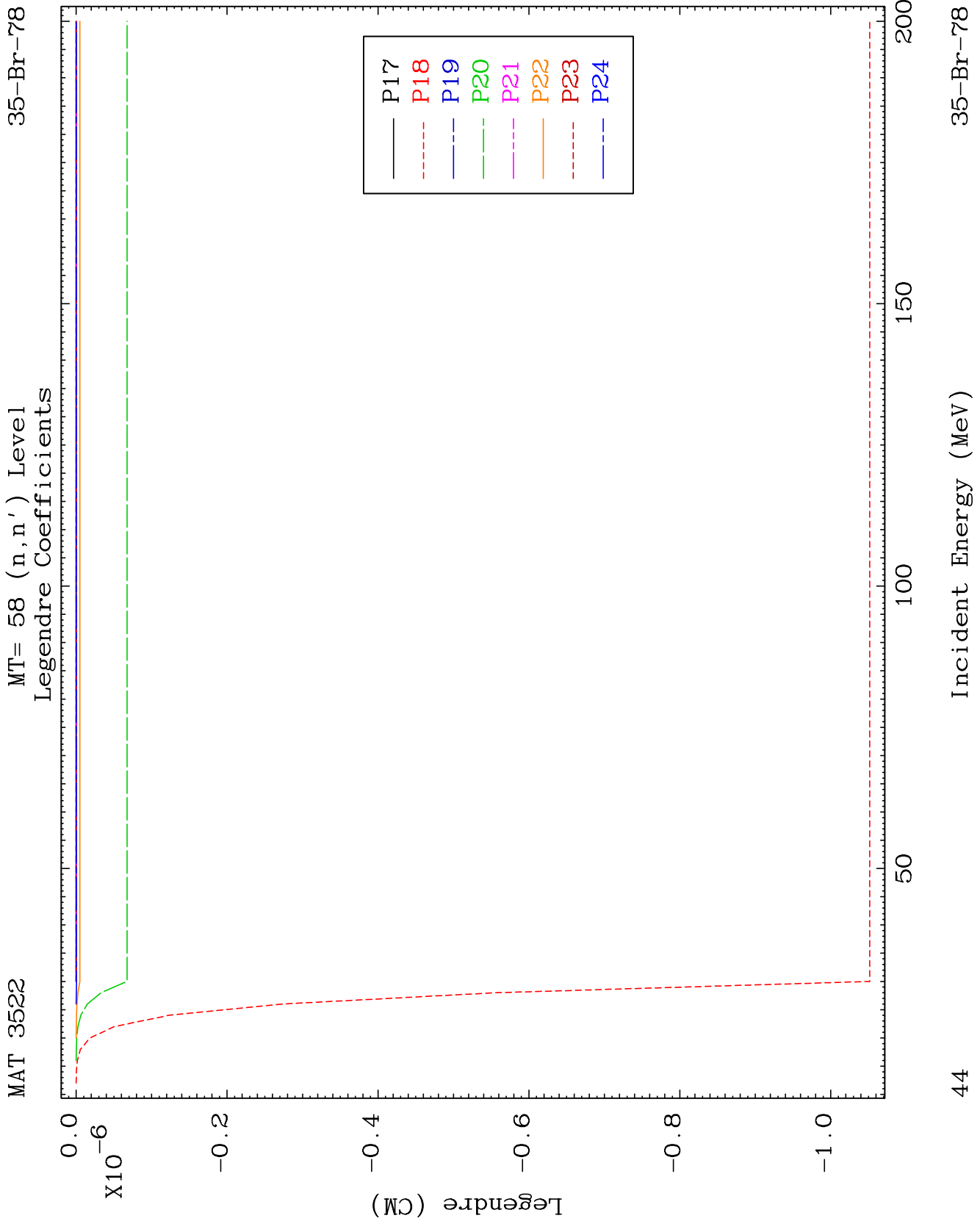
35-Br-78



43

Incident Energy (MeV)

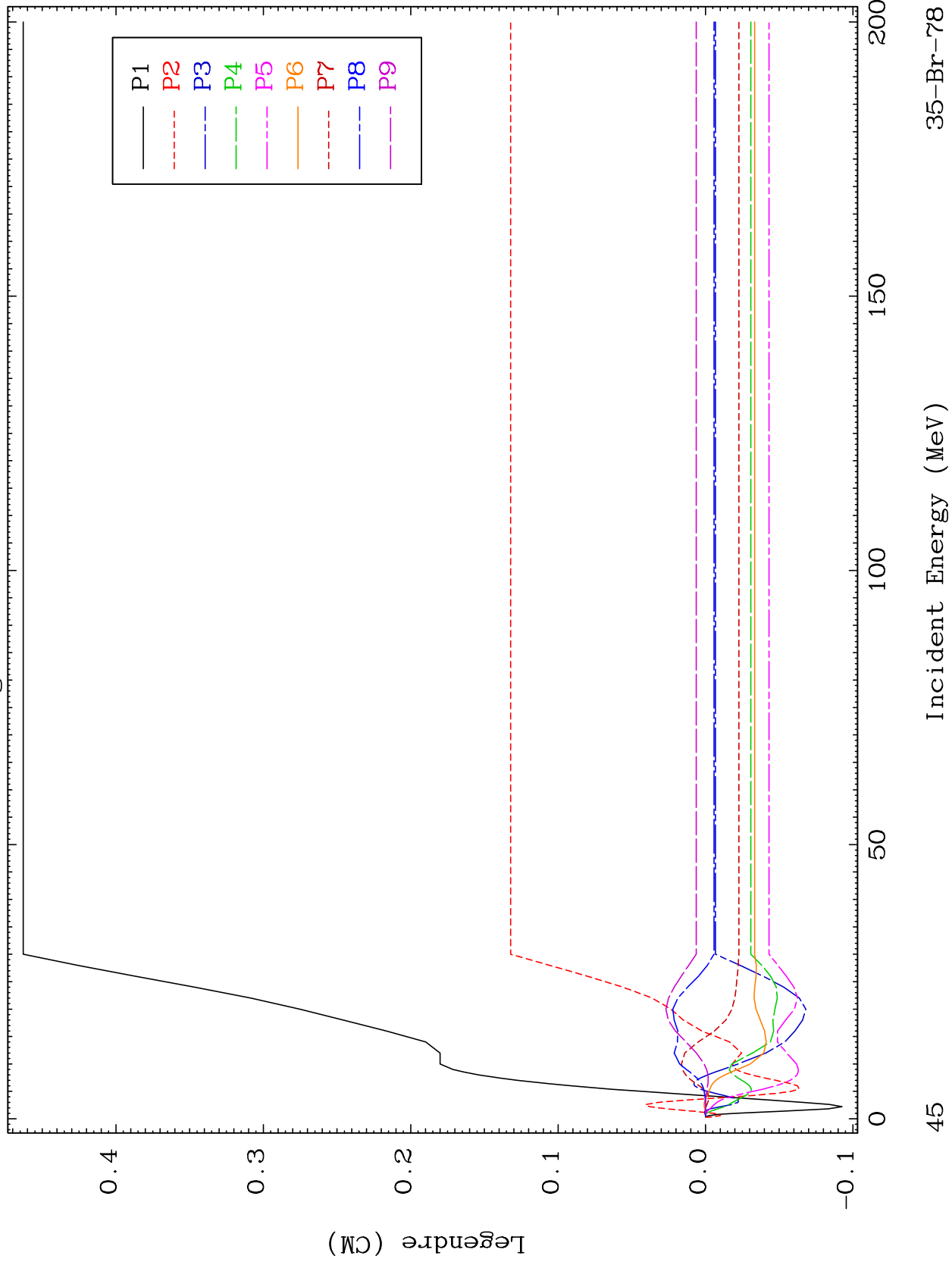
35-Br-78



MAT 3522

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

35-Br-78



35-Br-78

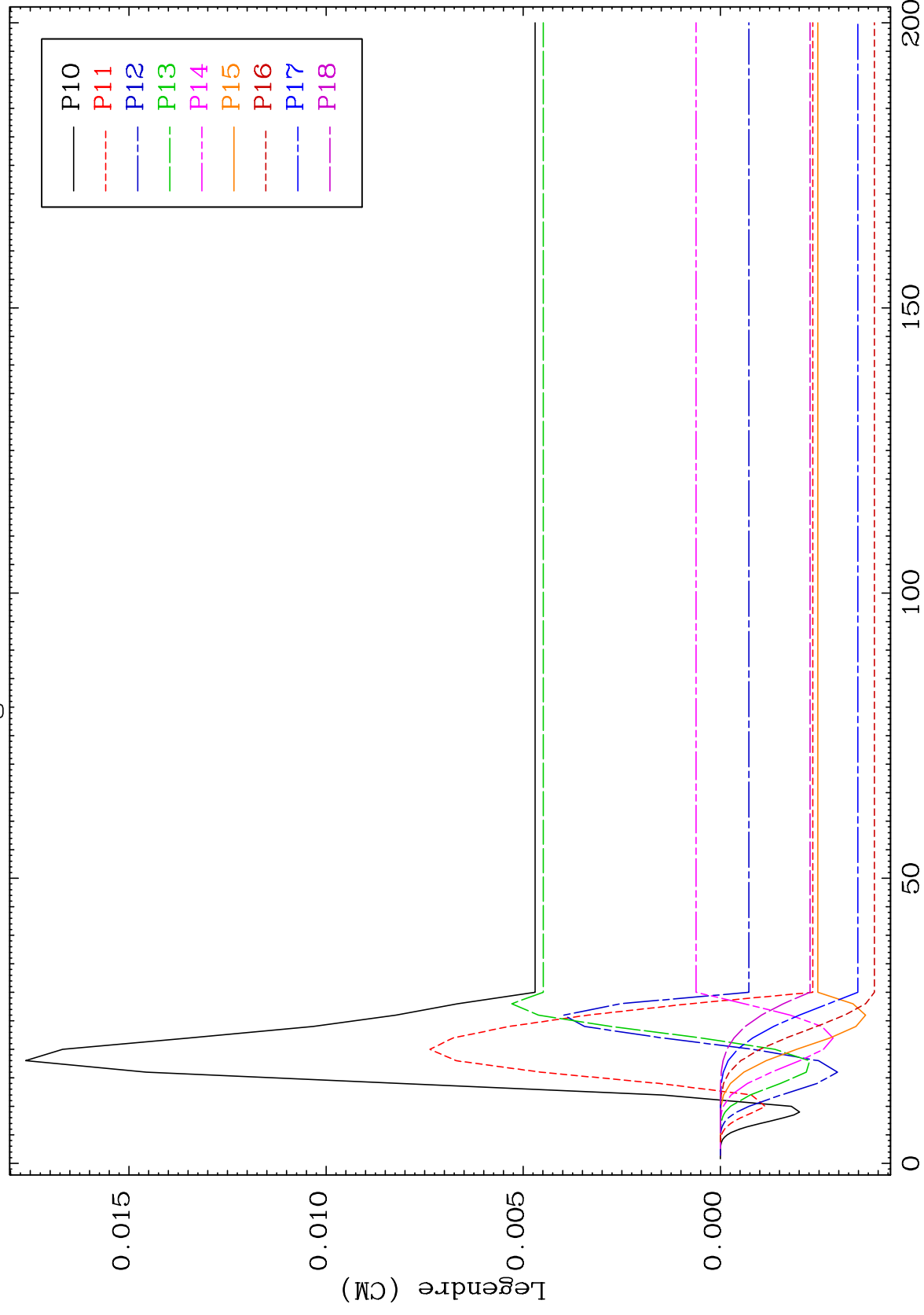
Incident Energy (MeV)

45

MAT 3522

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

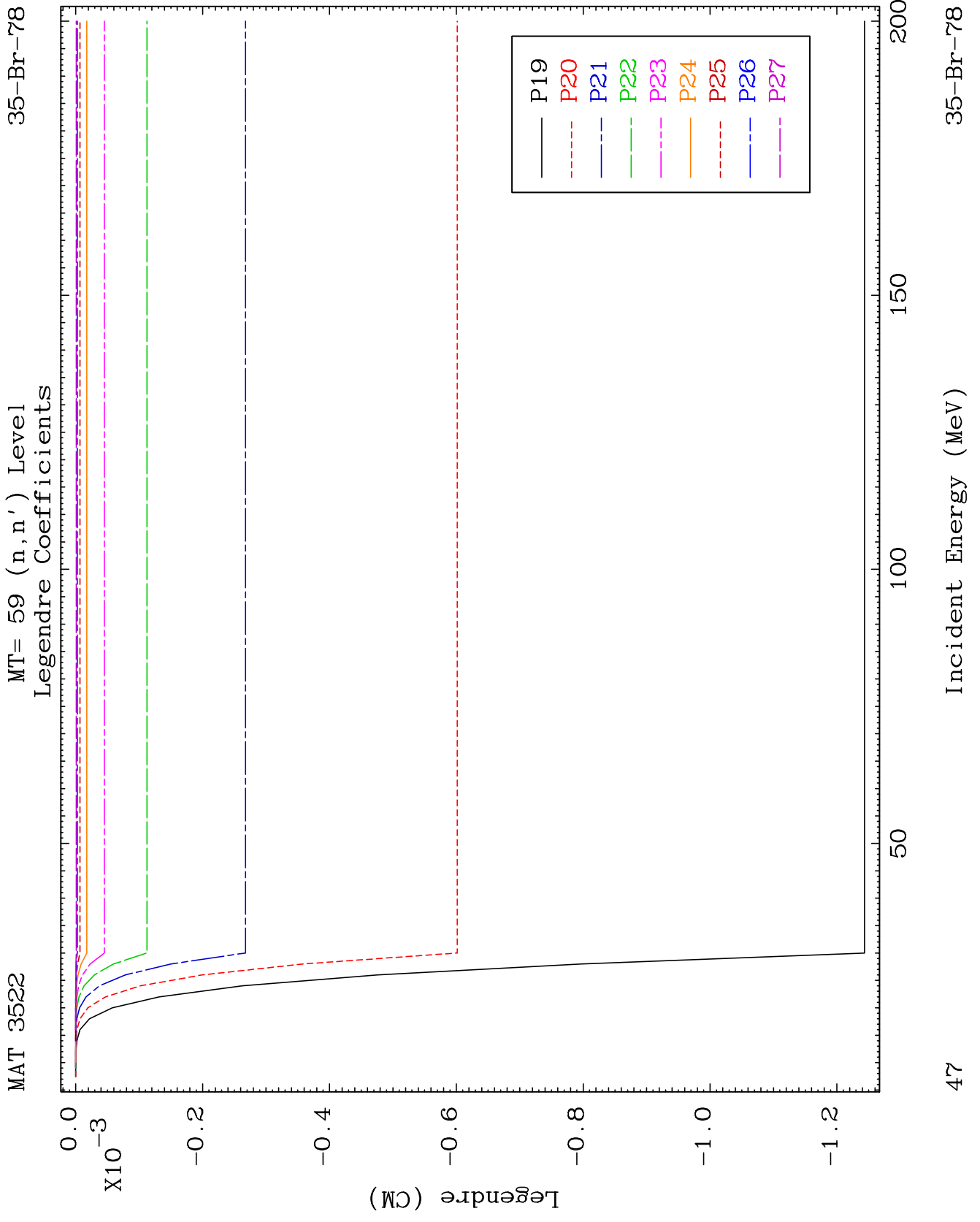
35-Br-78



46

Incident Energy (MeV)

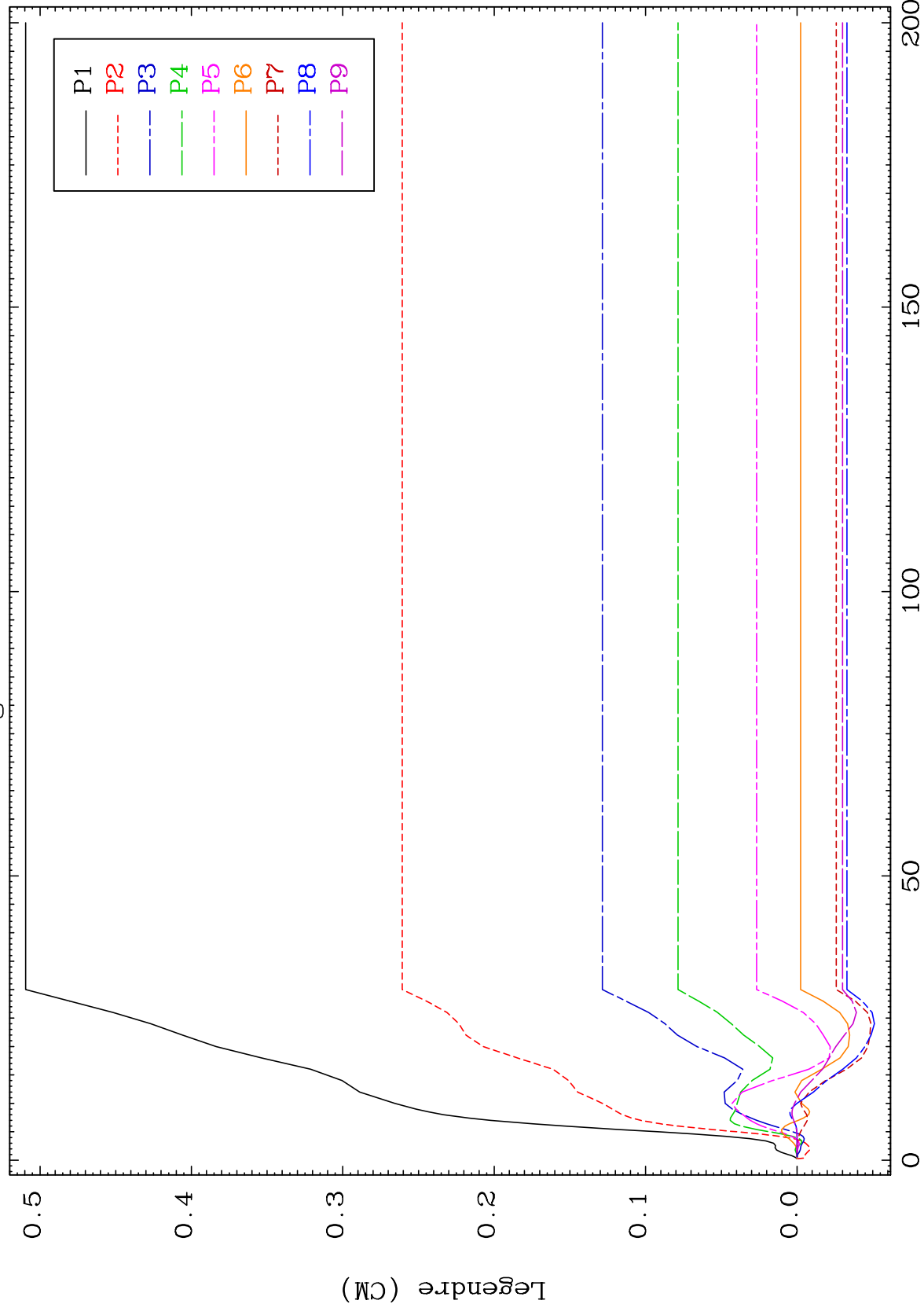
35-Br-78



MAT 3522

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

35-Br-78



49

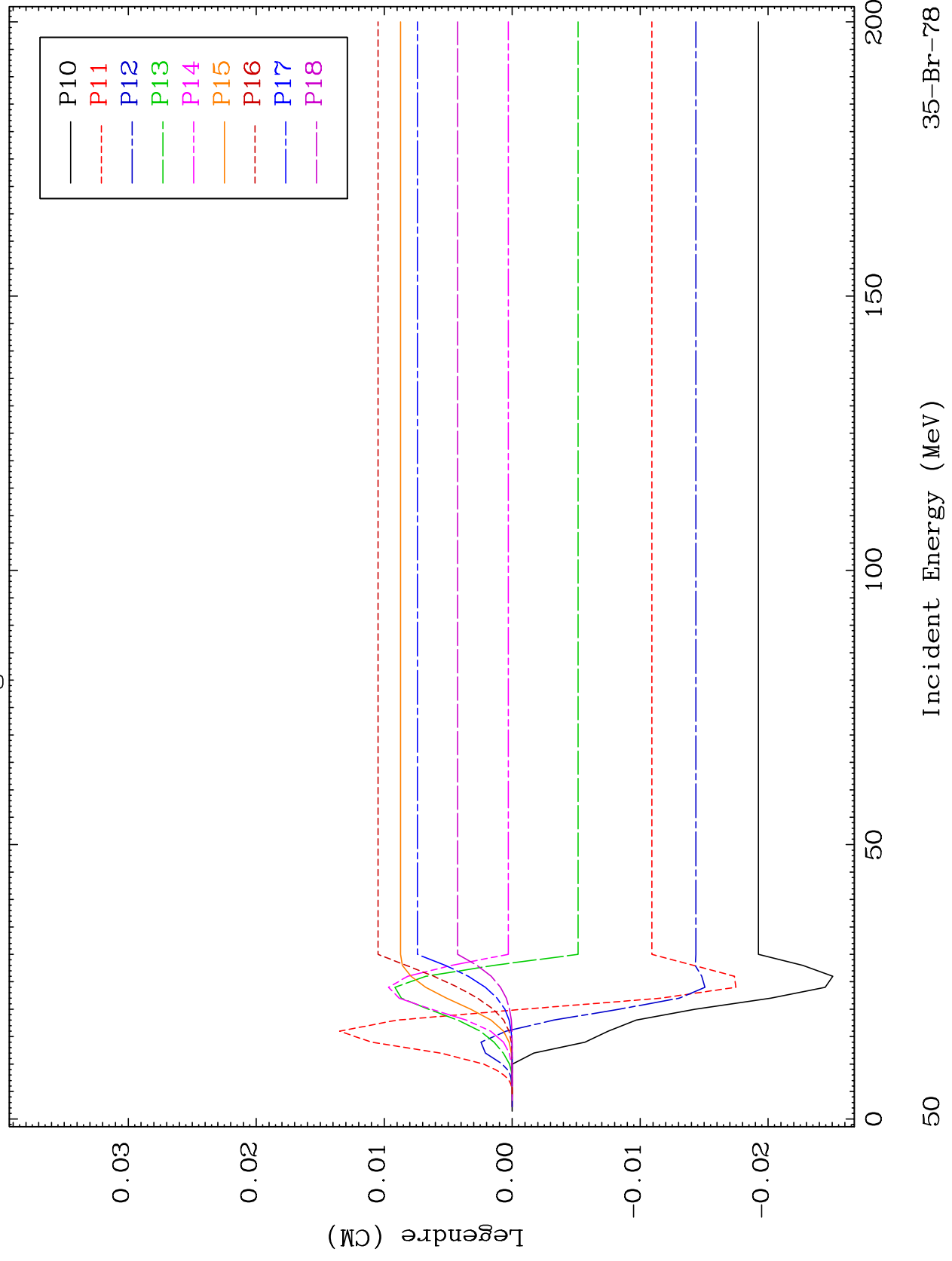
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



35-Br-78

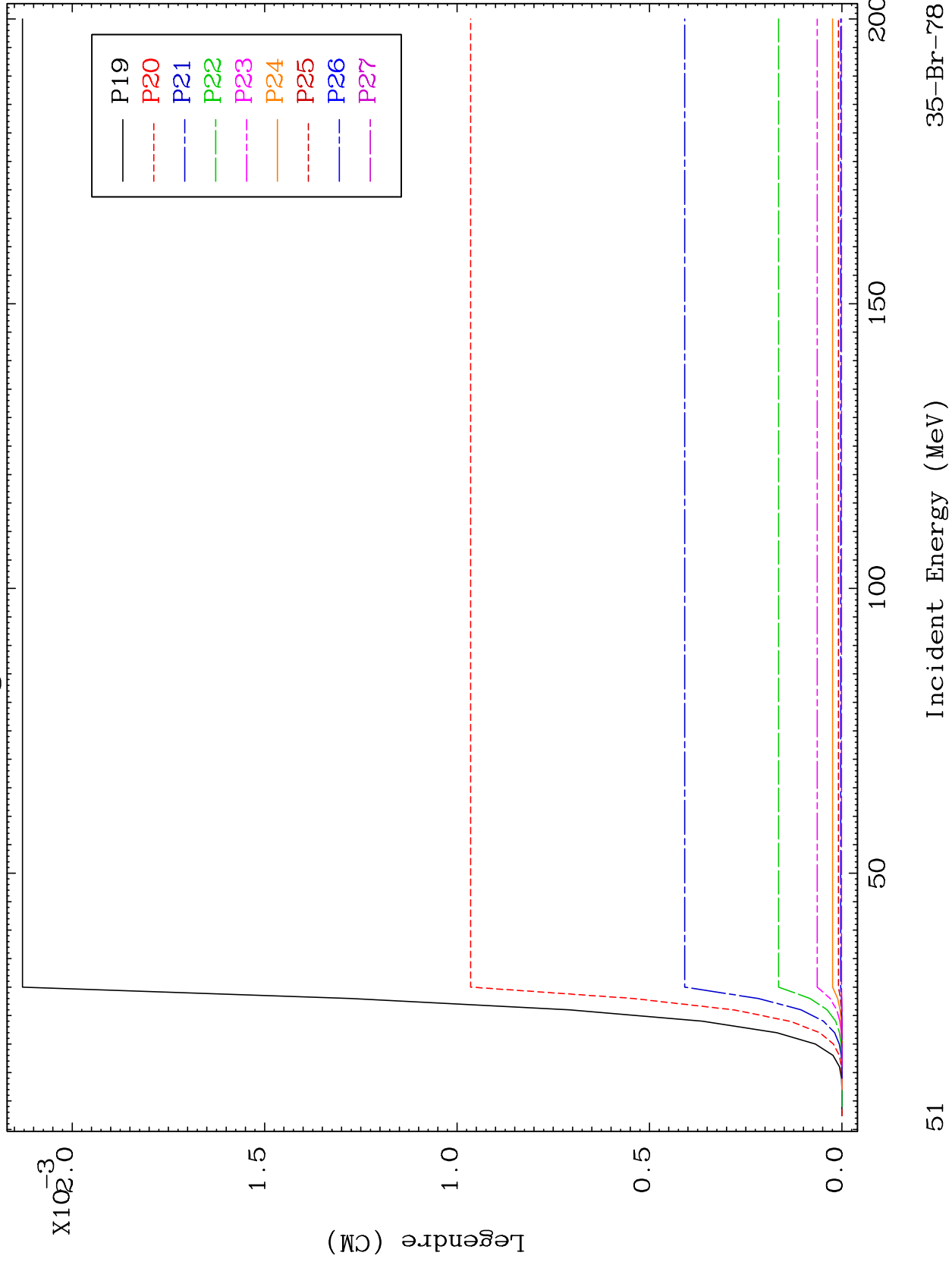
Incident Energy (MeV)

50

MAT 3522

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

35-Br-78



51

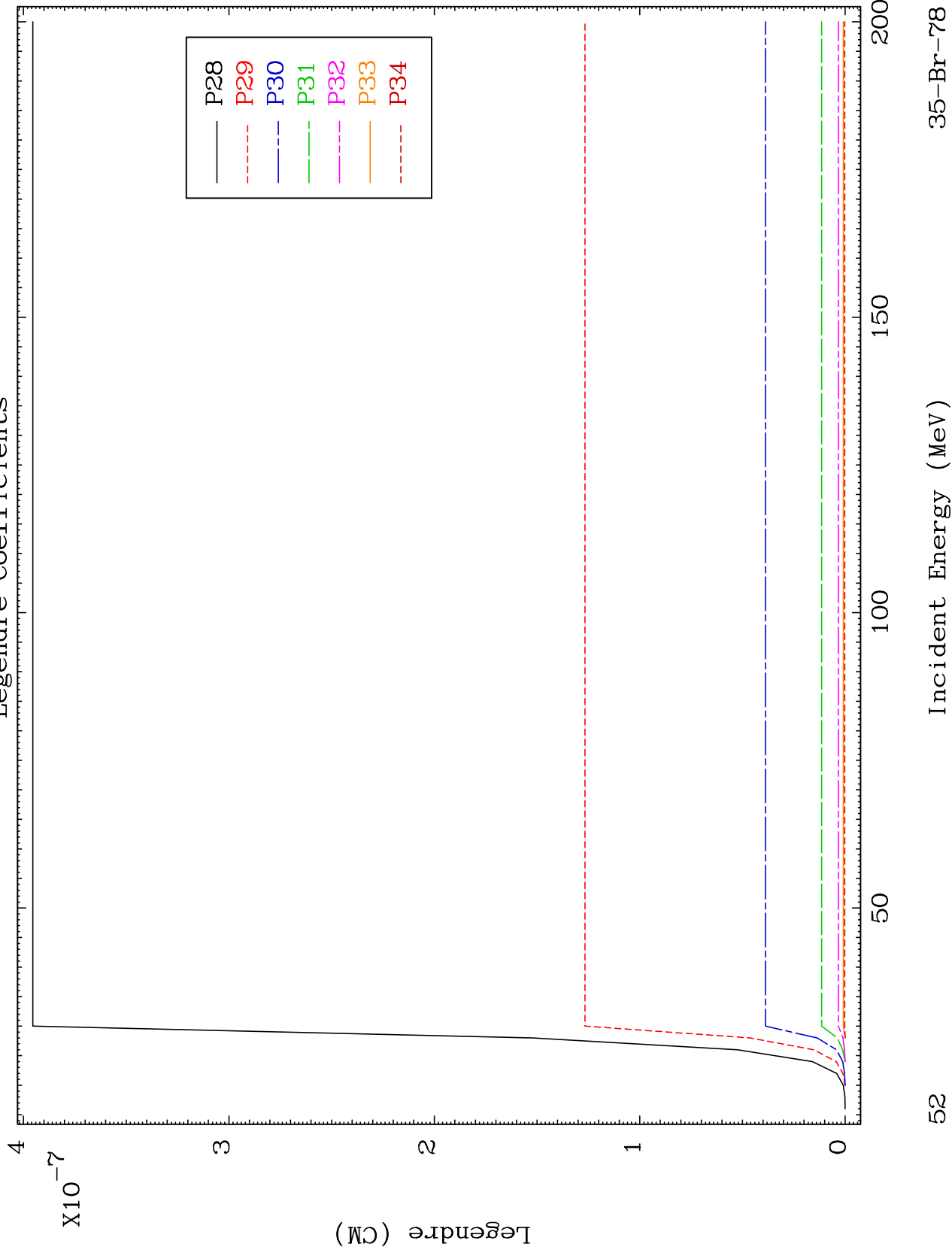
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



52

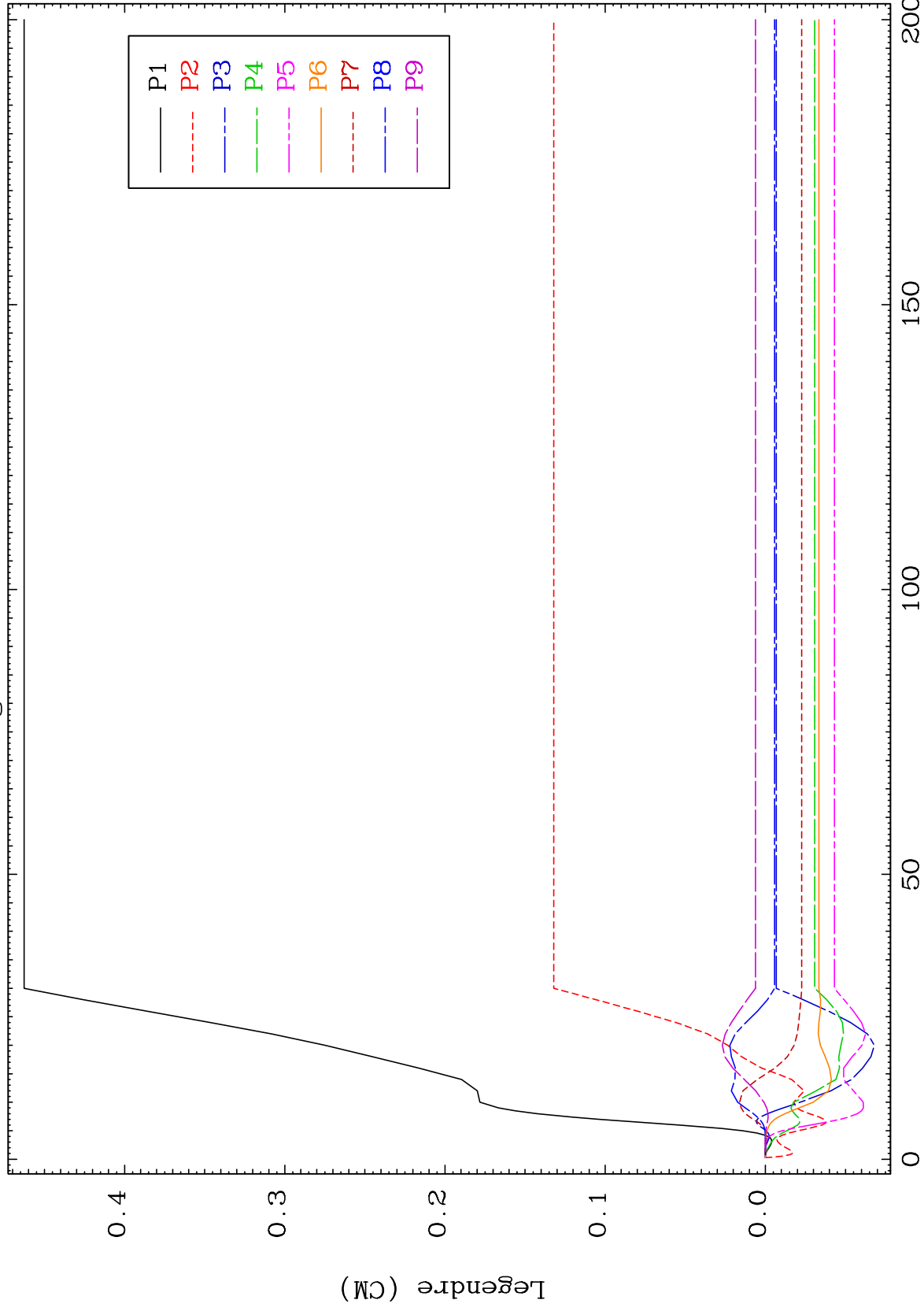
Incident Energy (MeV)

35-Br-78

MAT 3522

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

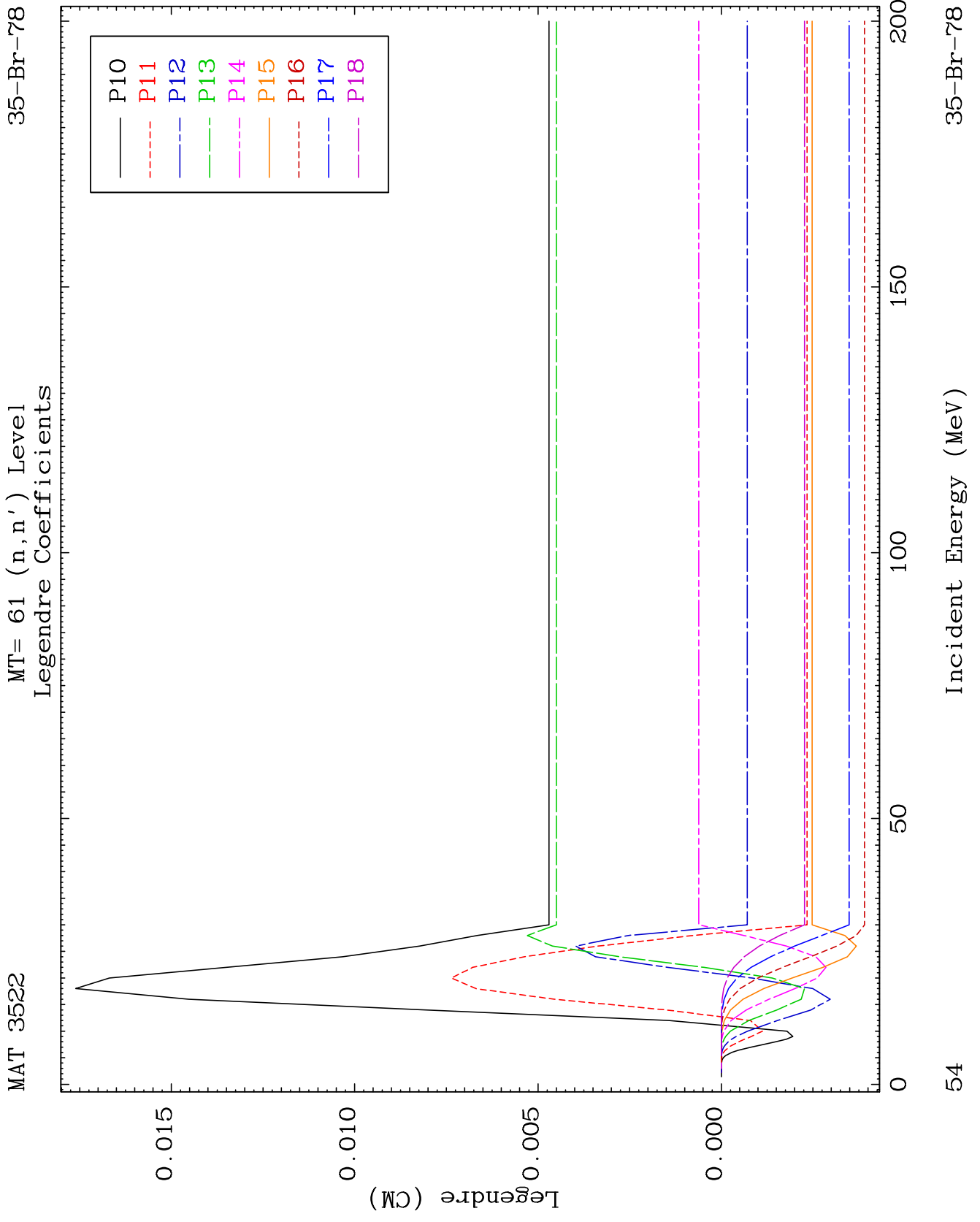
35-Br-78

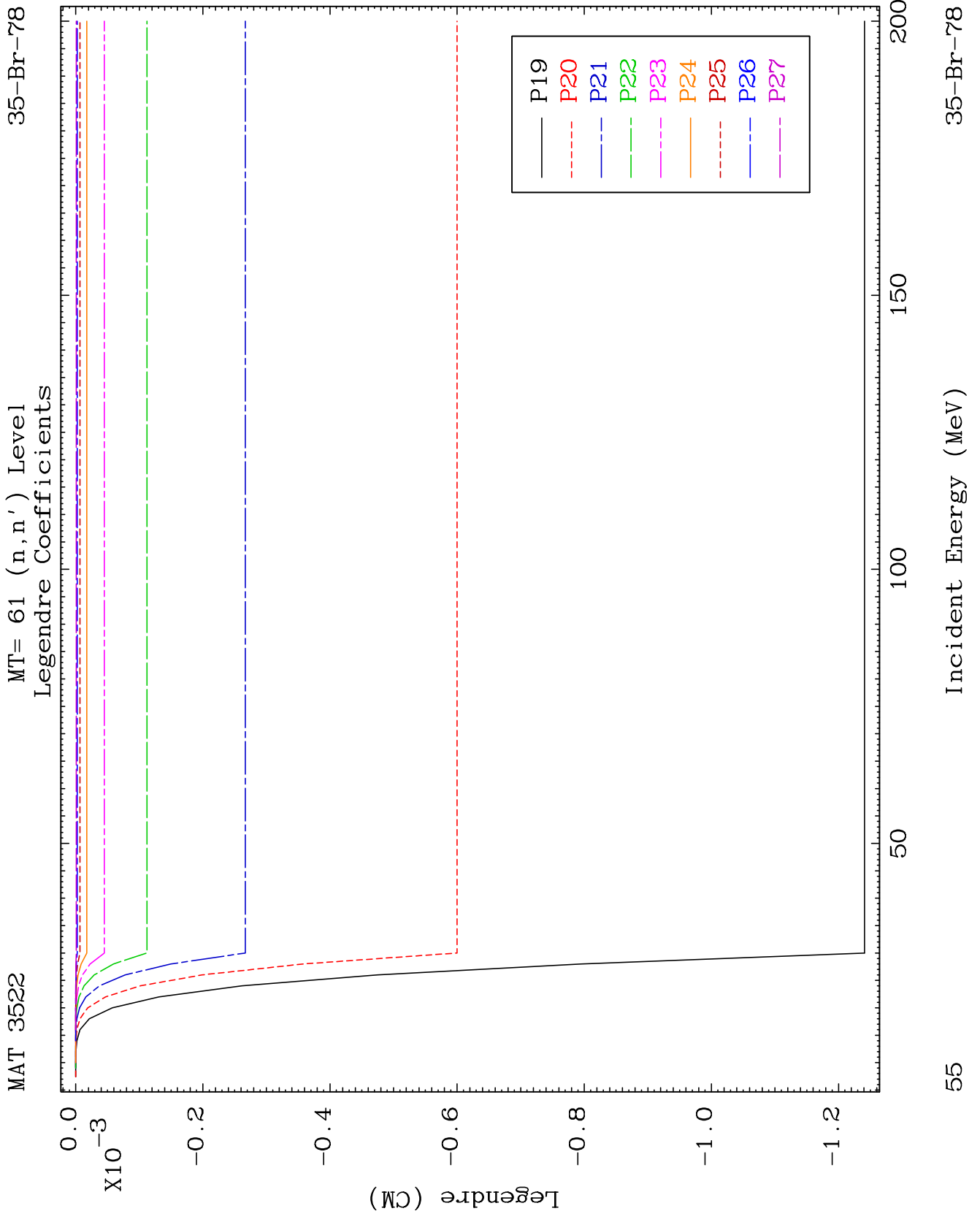


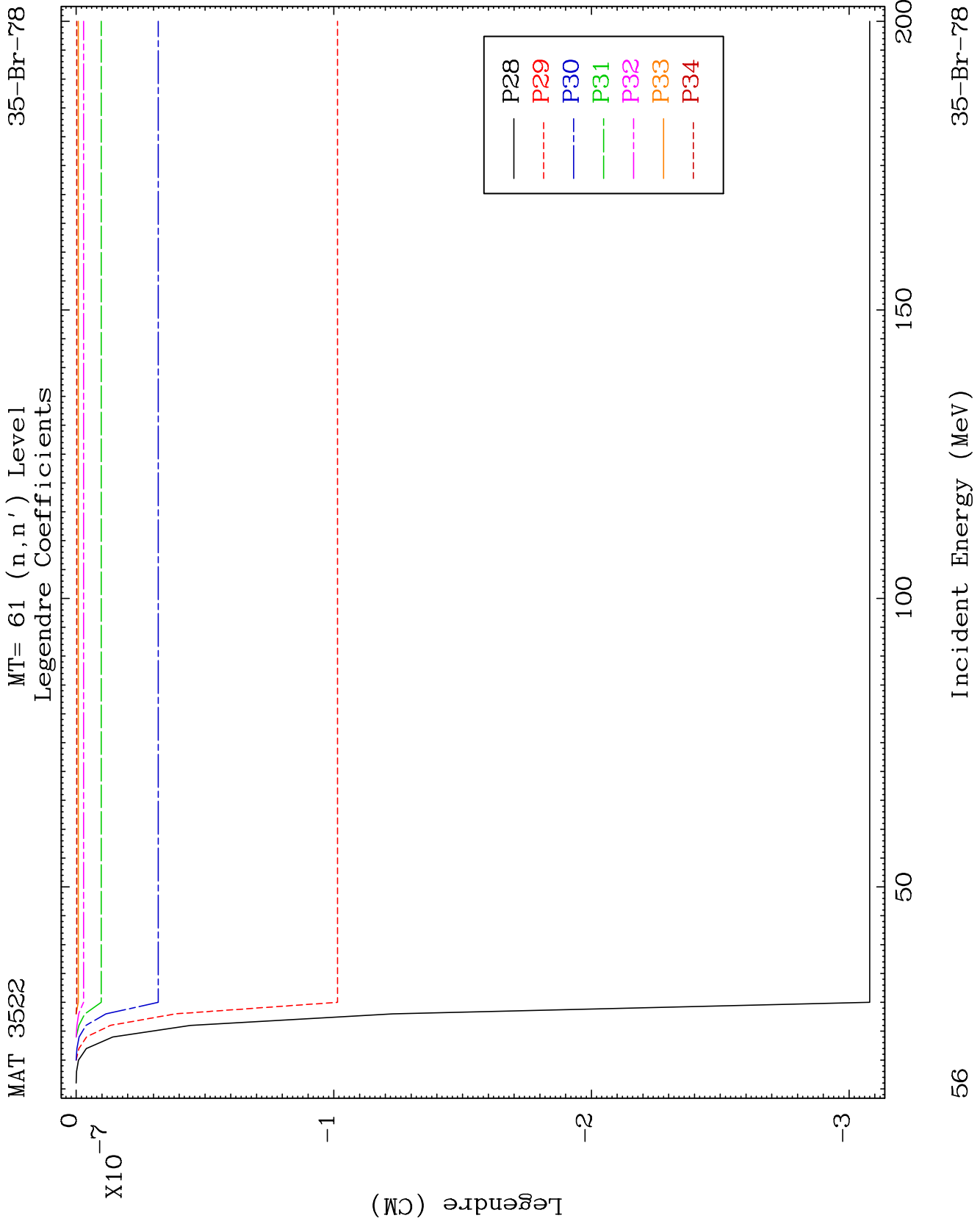
53

Incident Energy (MeV)

35-Br-78



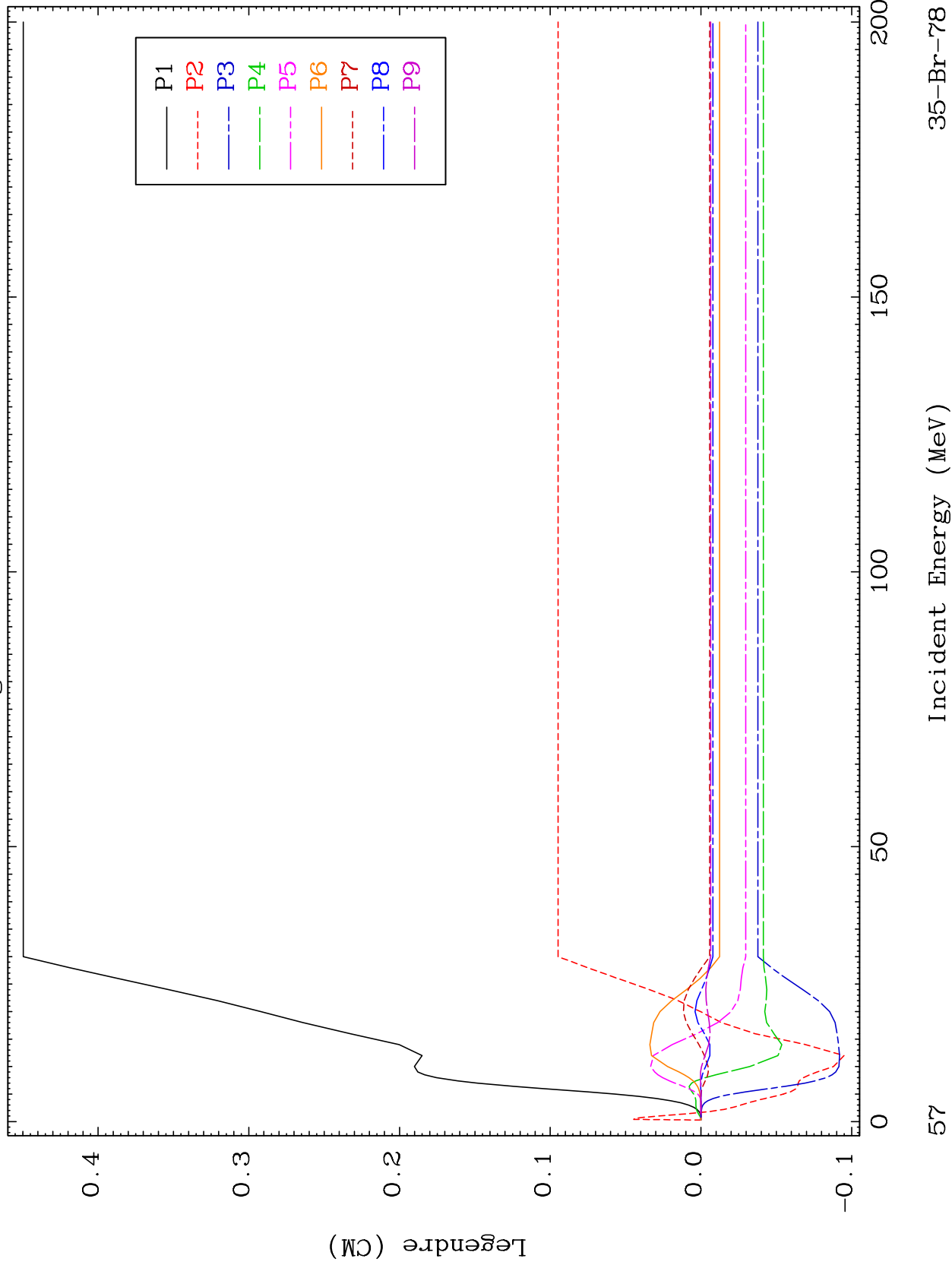




MAT 3522

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

35-Br-78



35-Br-78

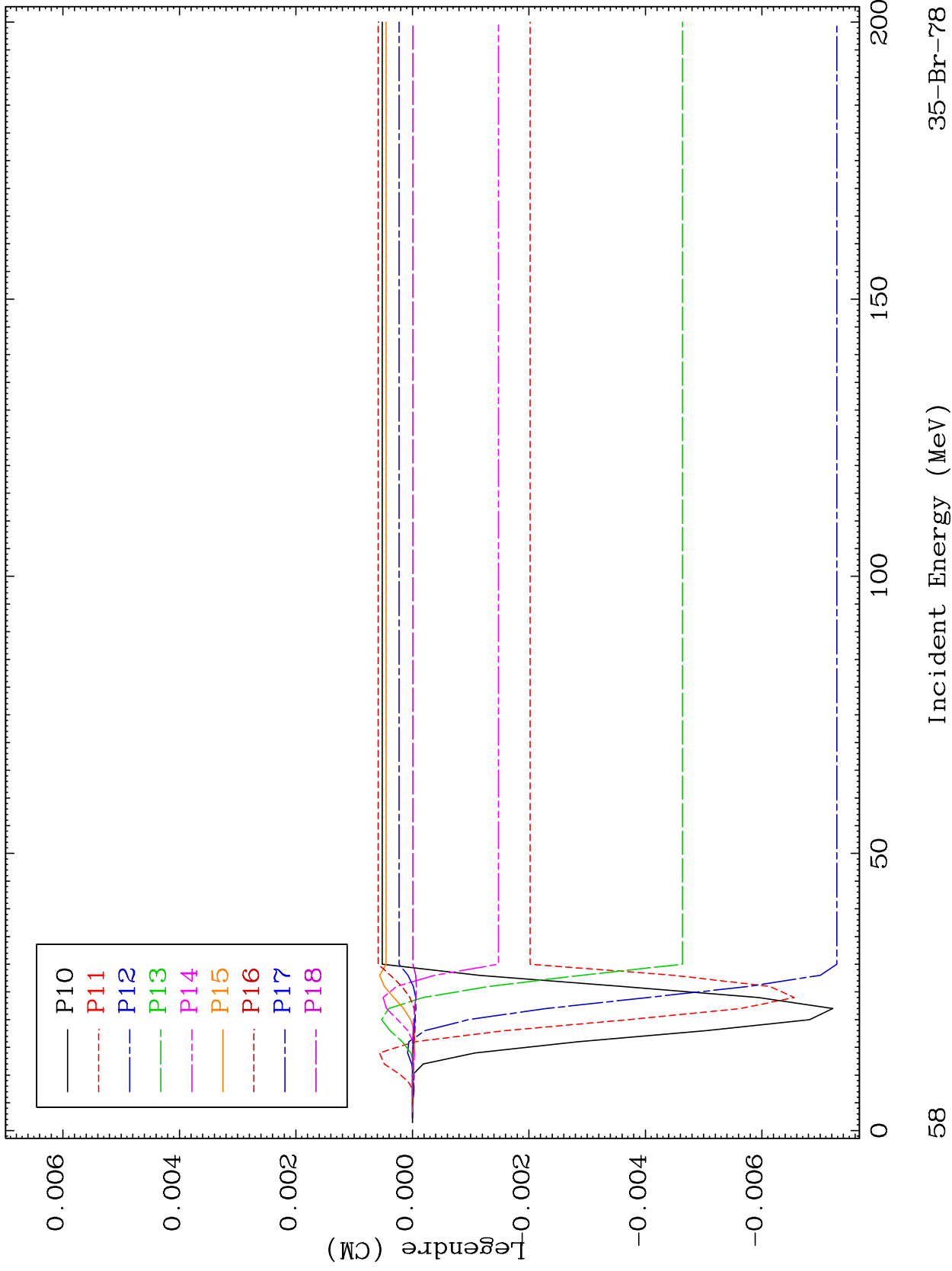
Incident Energy (MeV)

57

MAT 3522

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

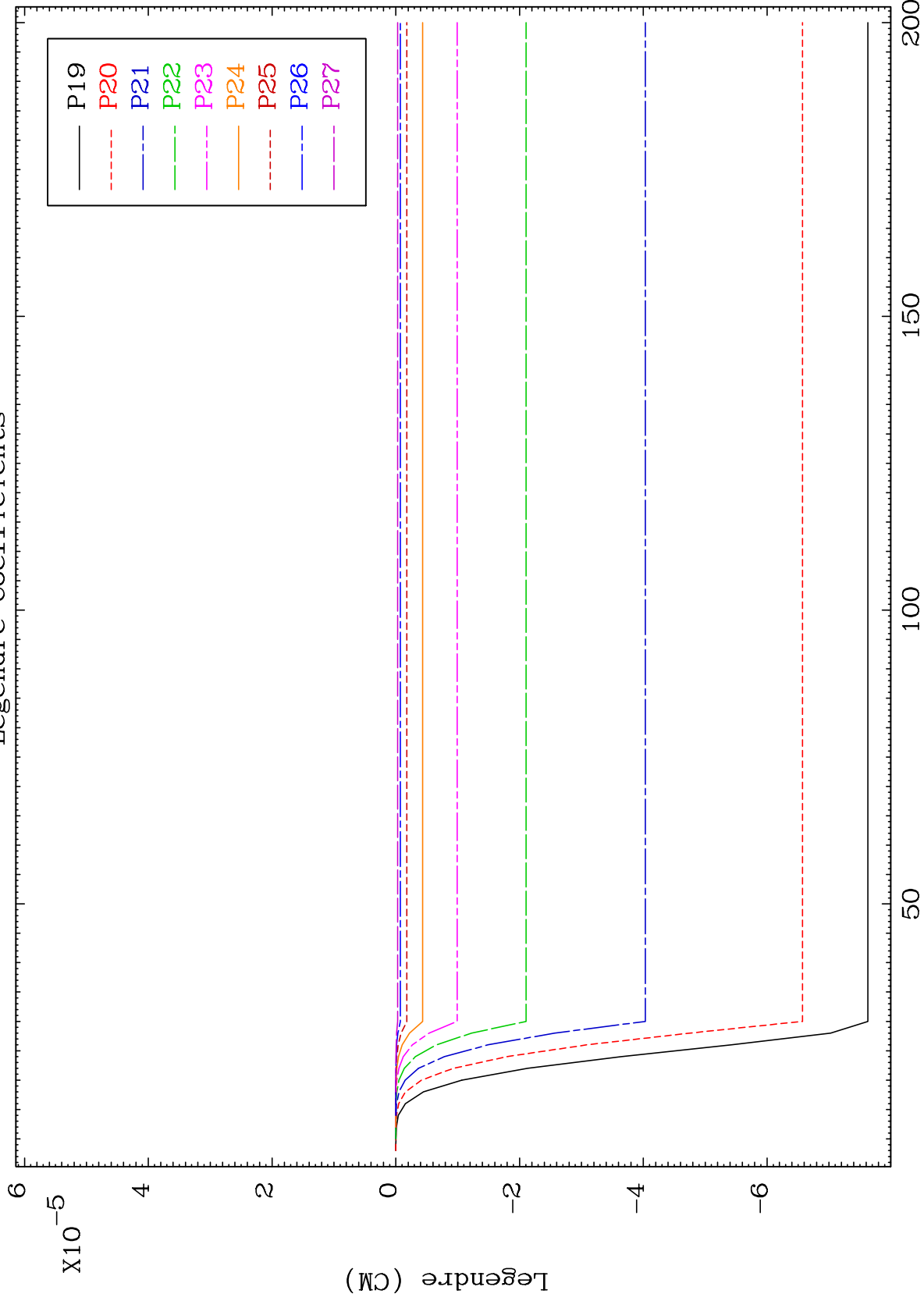
35-Br-78

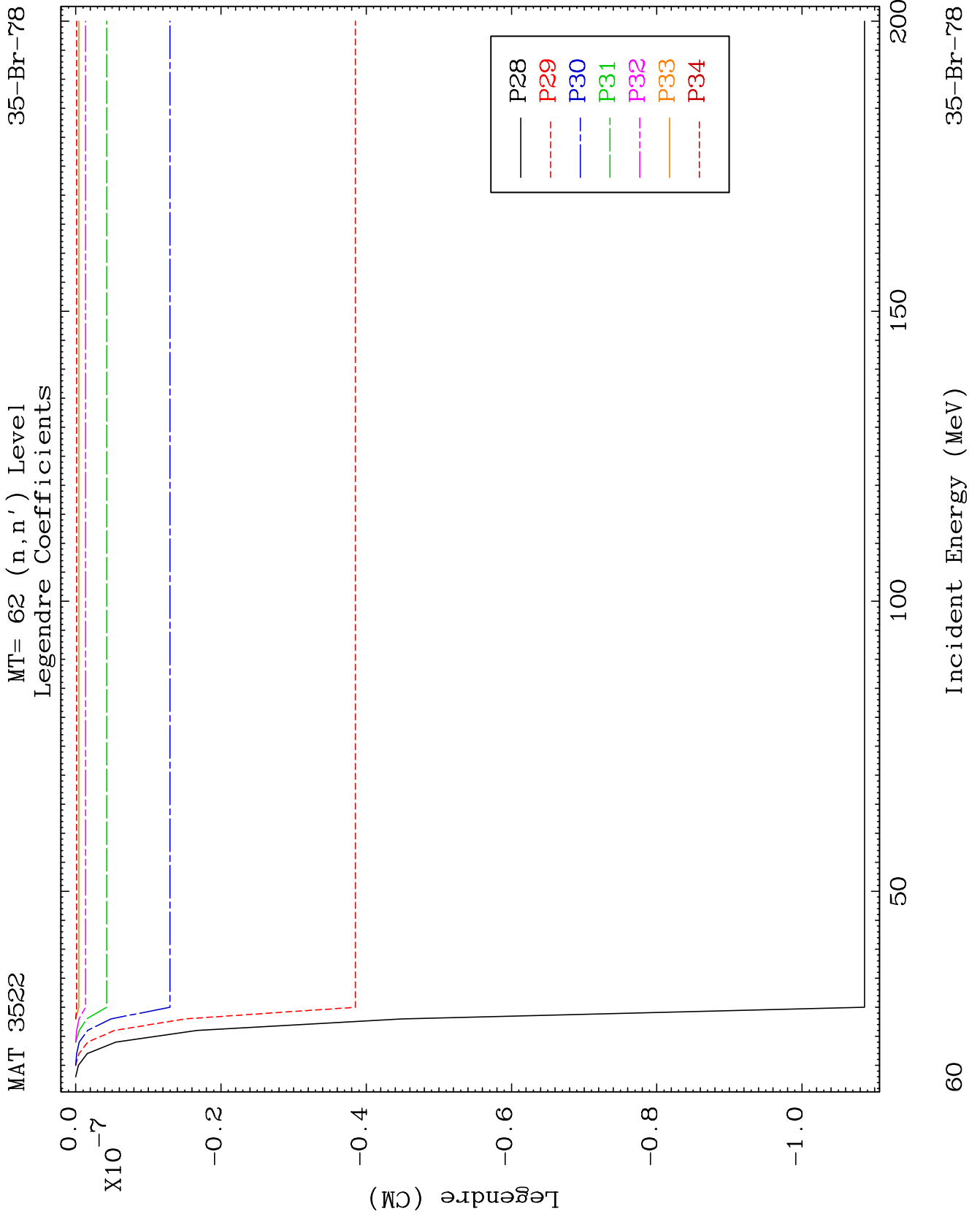


58

Incident Energy (MeV)

35-Br-78

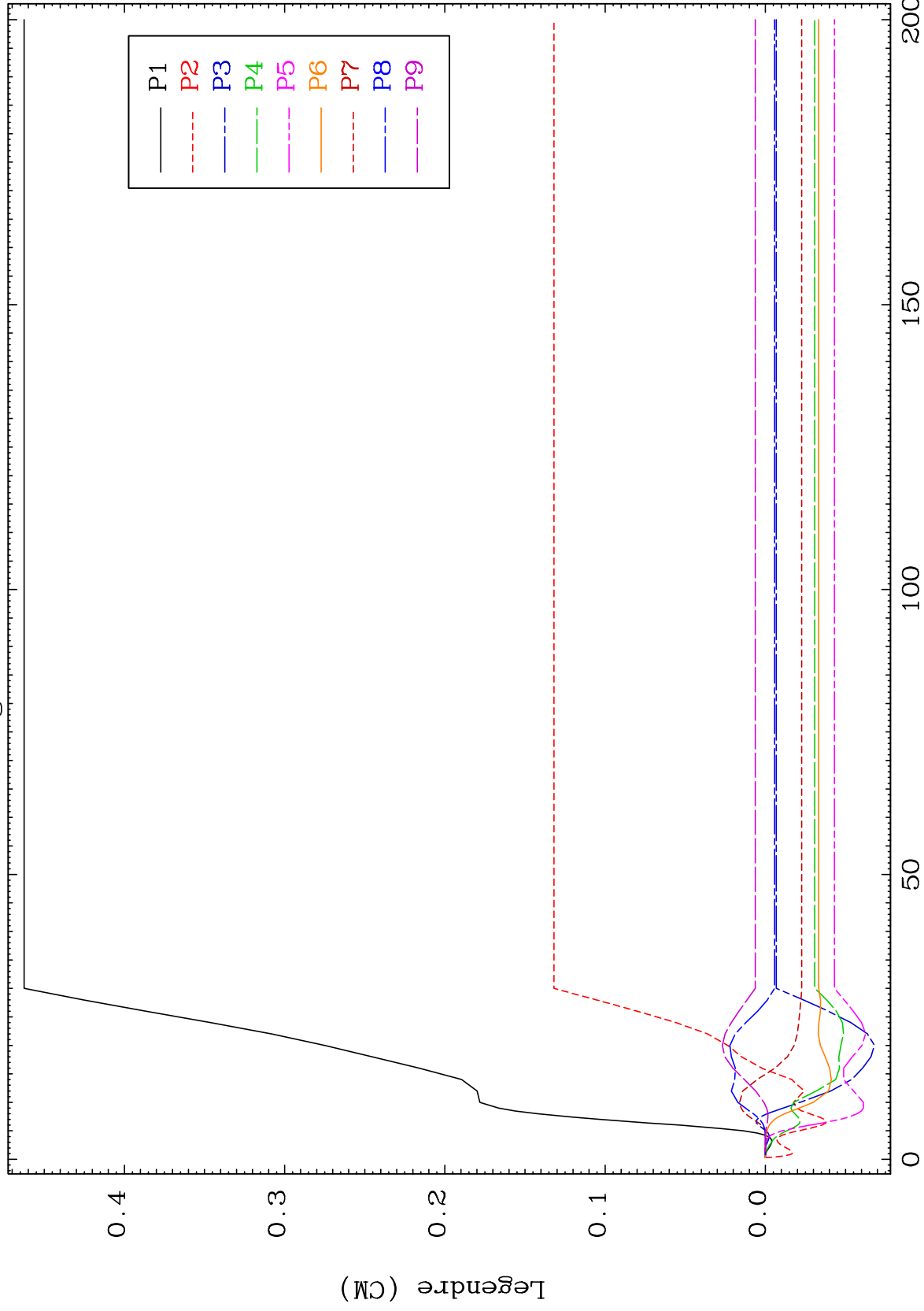




MAT 3522

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

35-Br-78



61

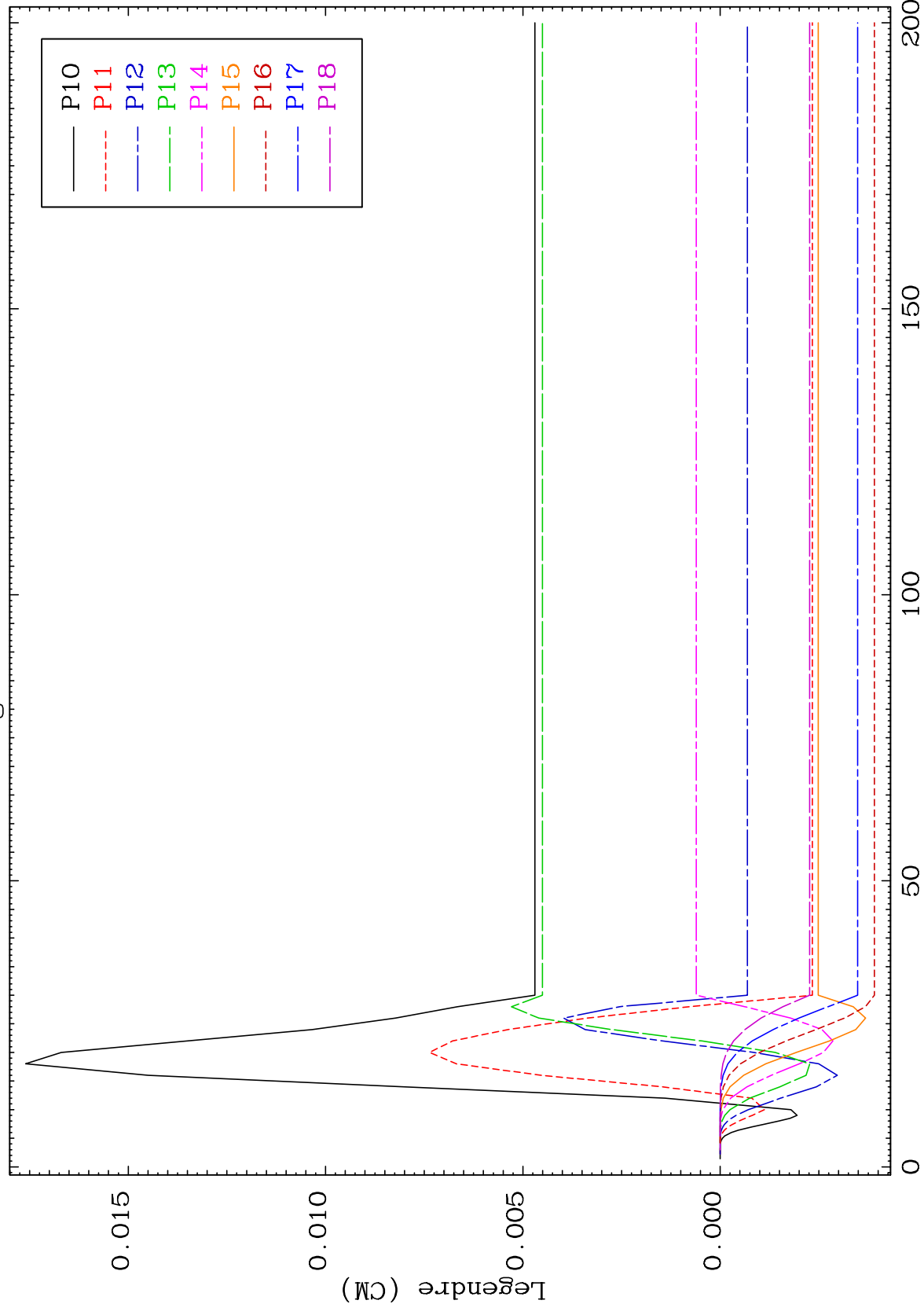
Incident Energy (MeV)

35-Br-78

MAT 3522

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

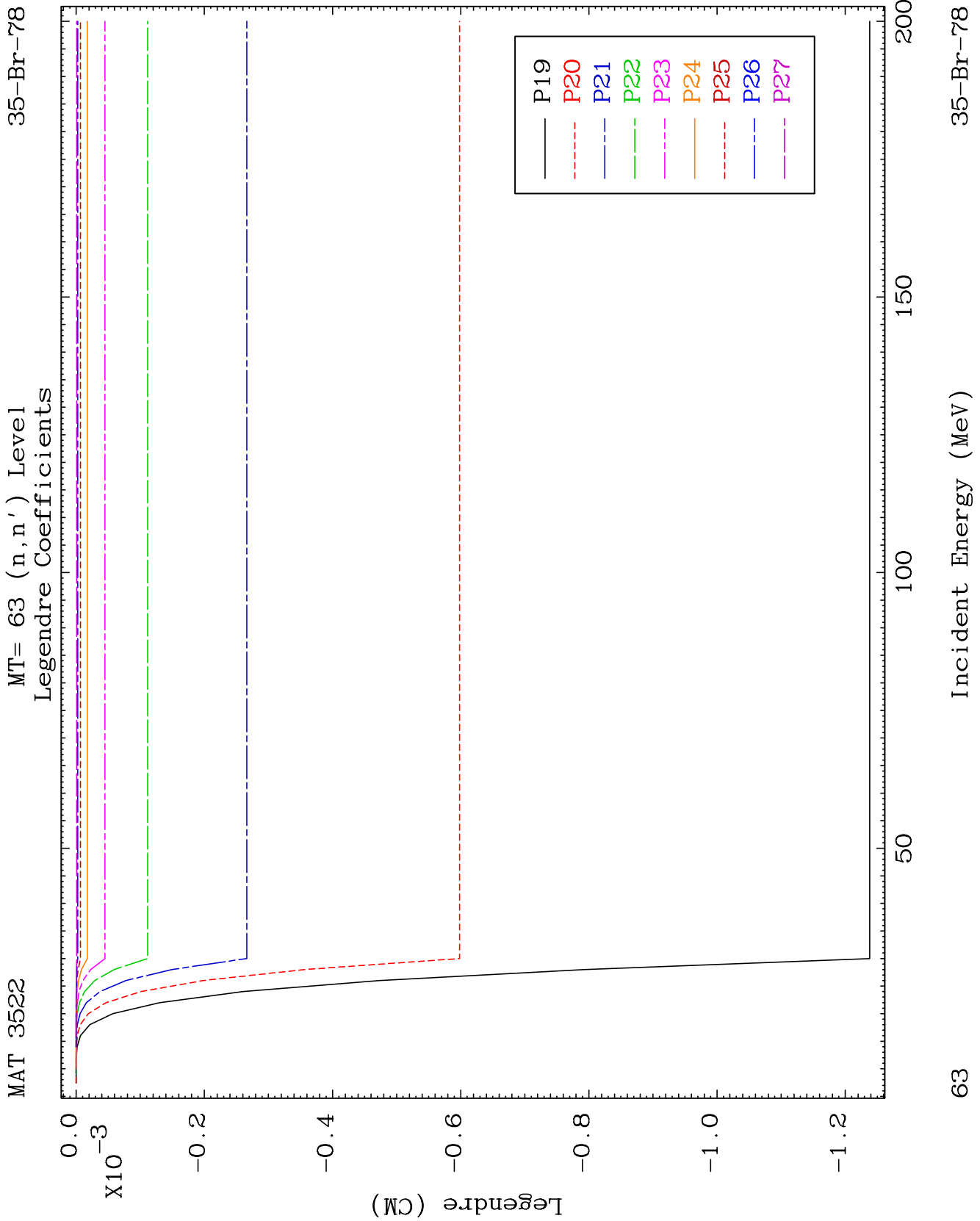
35-Br-78



62

Incident Energy (MeV)

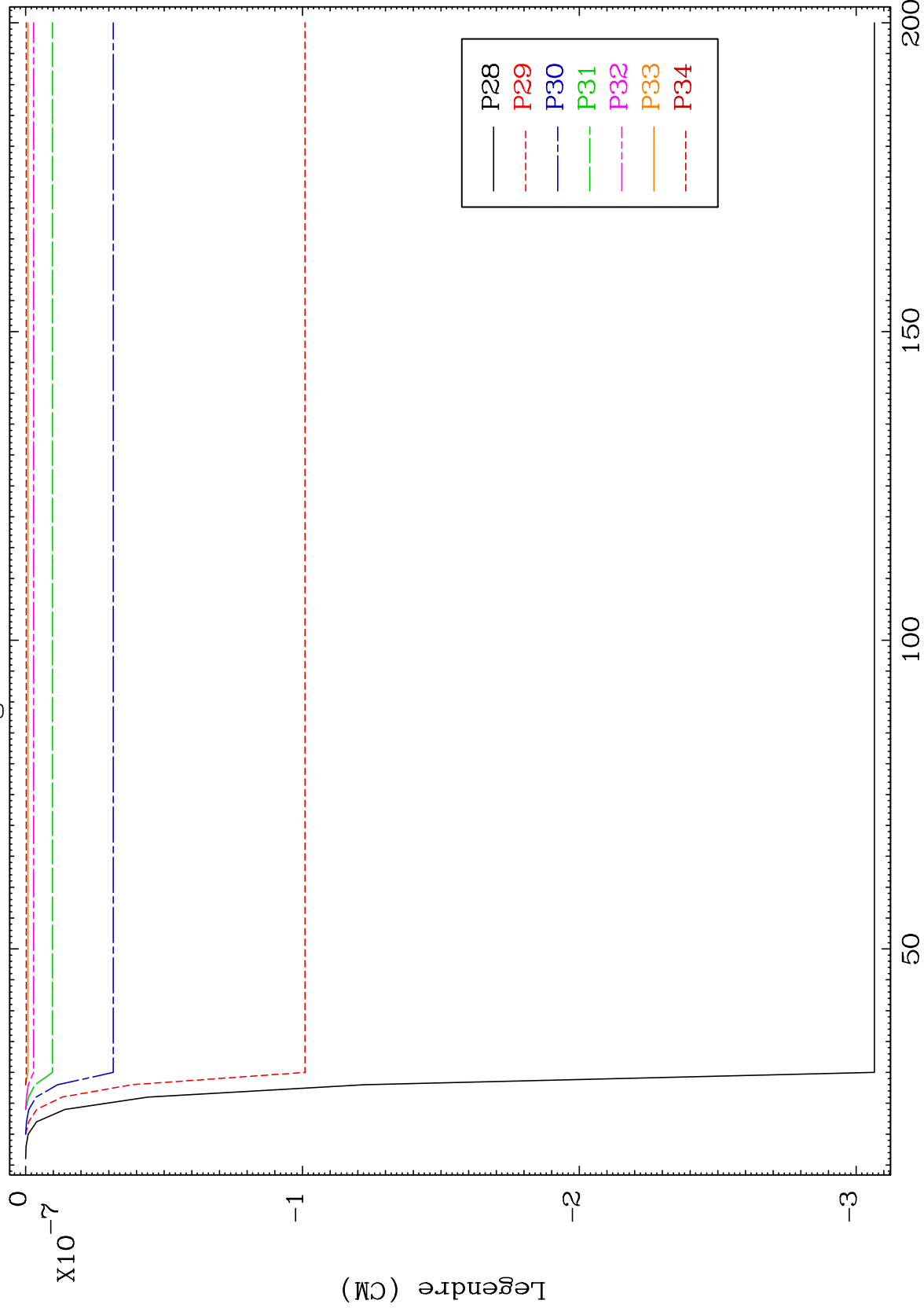
35-Br-78



MAT 3522

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

35-Br-78



64

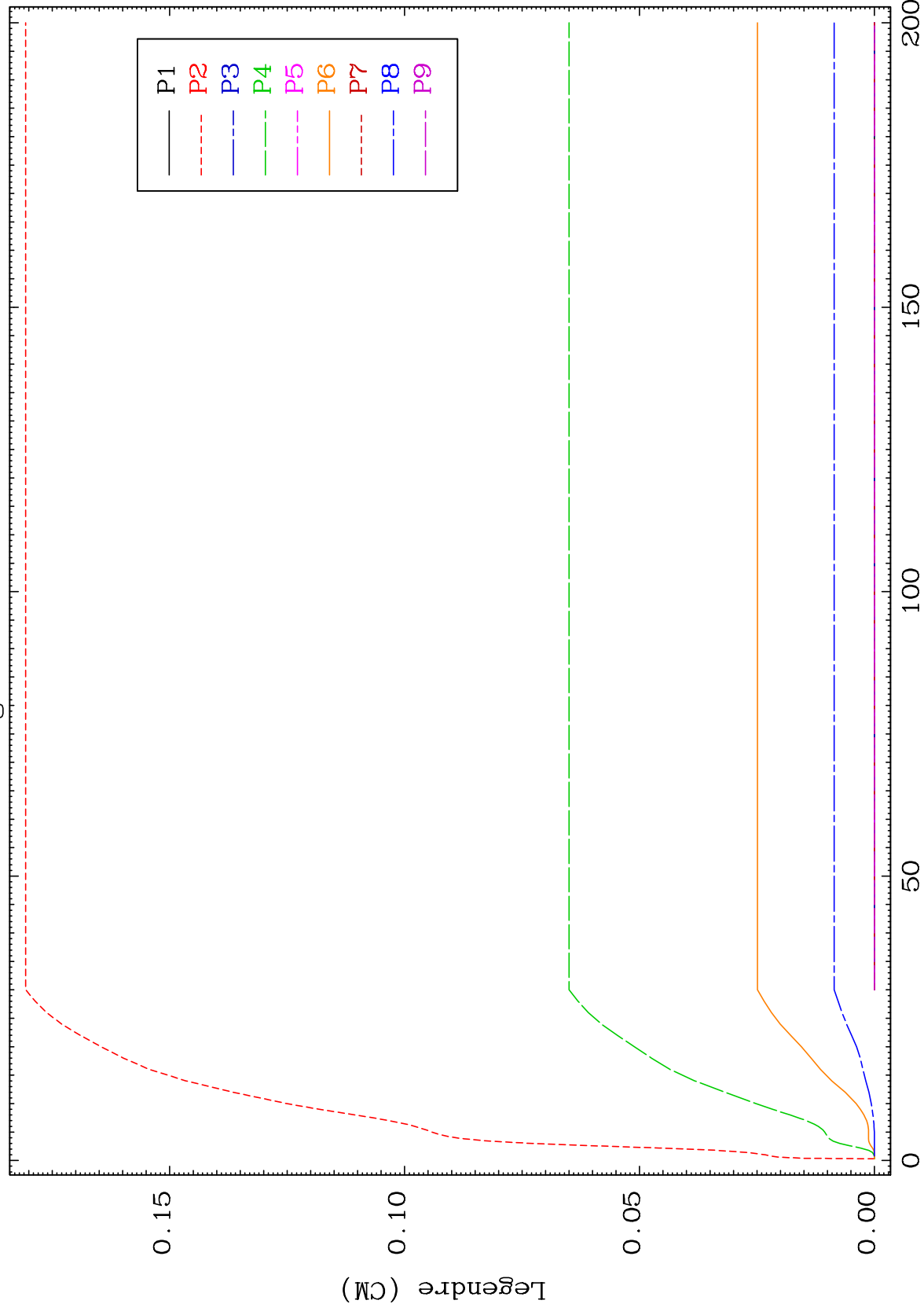
Incident Energy (MeV)

35-Br-78

MAT 3522

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

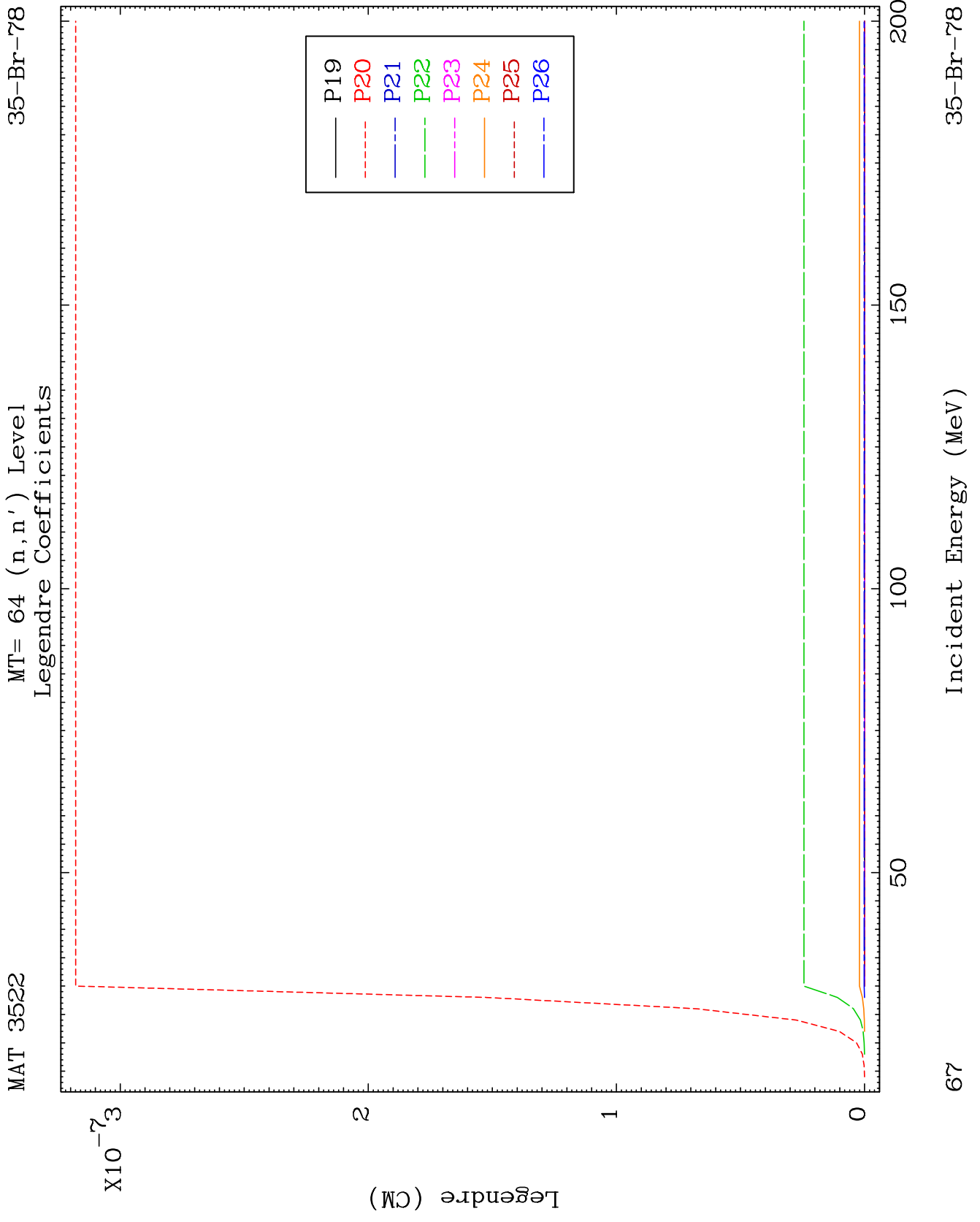
35-Br-78



35-Br-78

Incident Energy (MeV)

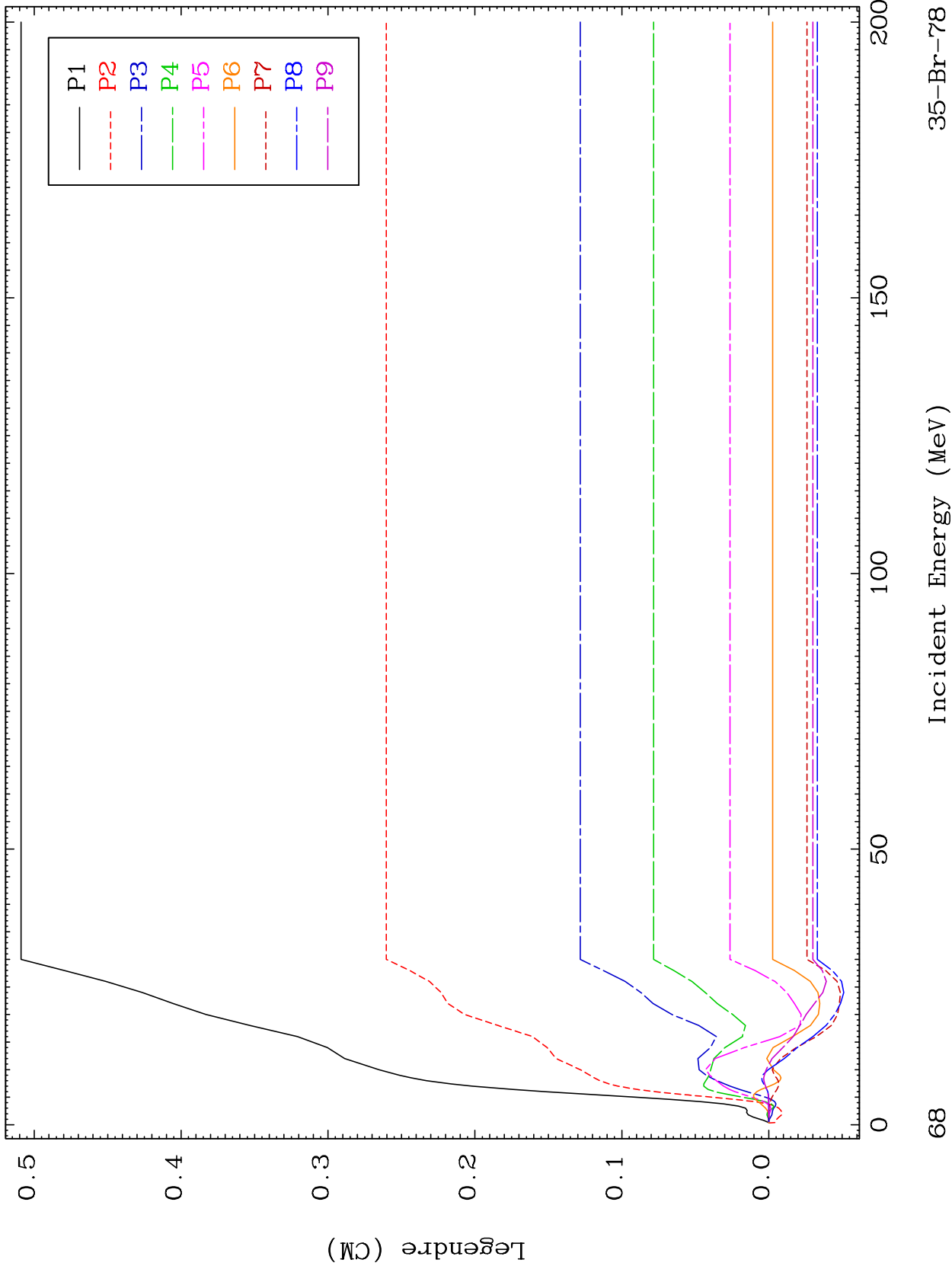
65



MAT 3522

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

³⁵Br-78



68

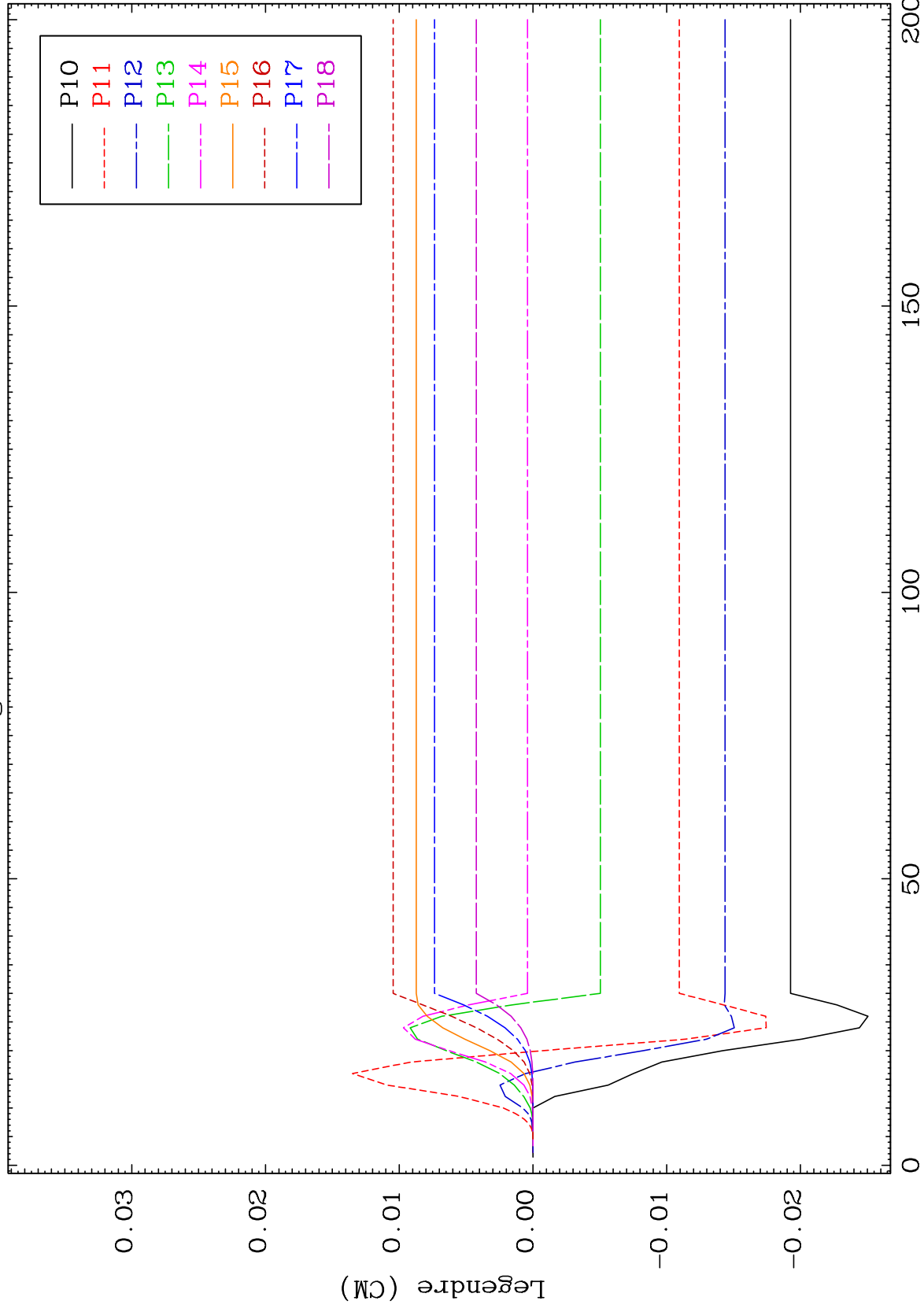
Incident Energy (MeV)

³⁵Br-78

MAT 3522

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

35-Br-78



69

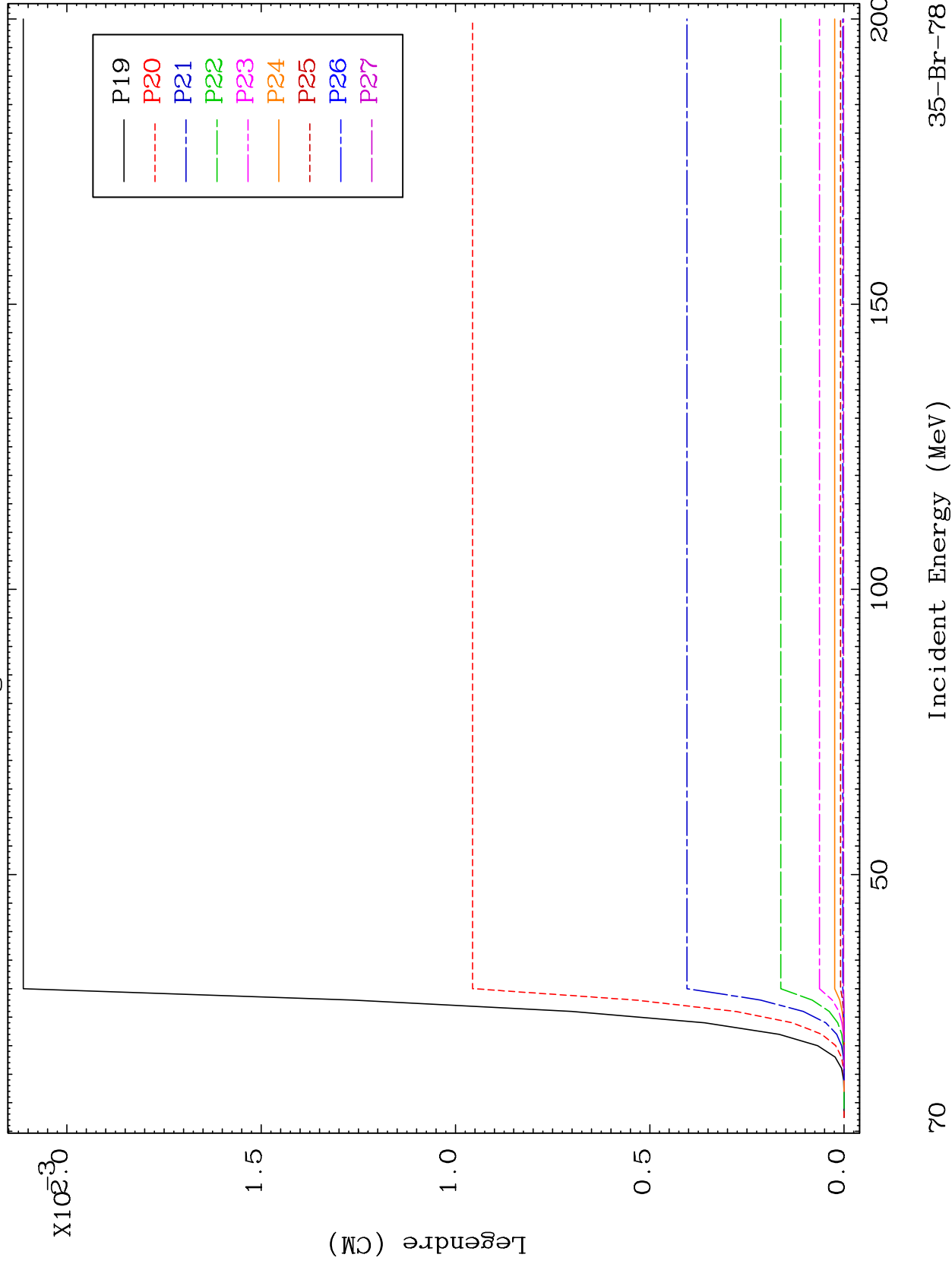
Incident Energy (MeV)

35-Br-78

MAT 3522

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

35-Br-78



70

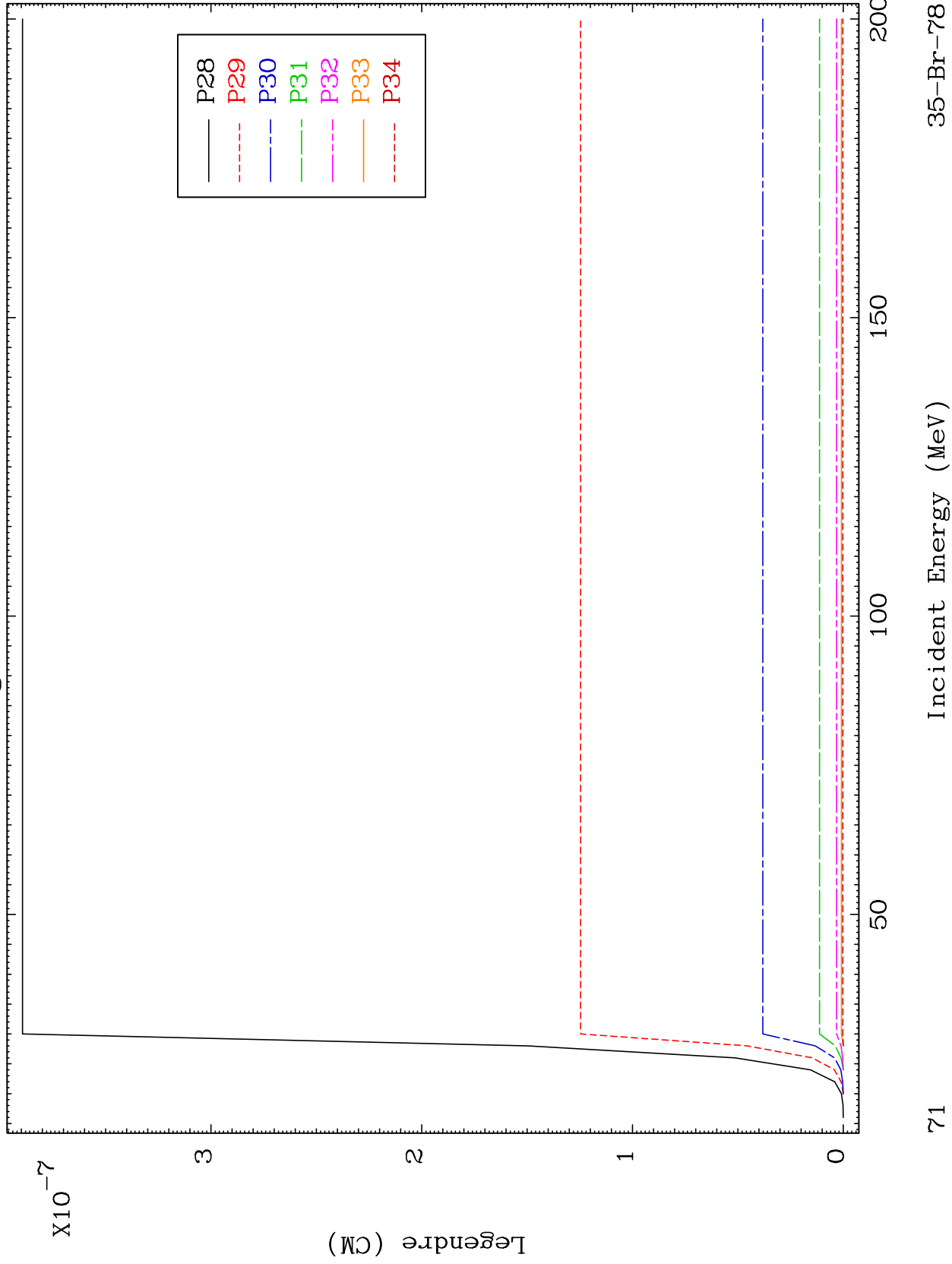
Incident Energy (MeV)

35-Br-78

MAT 3522

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

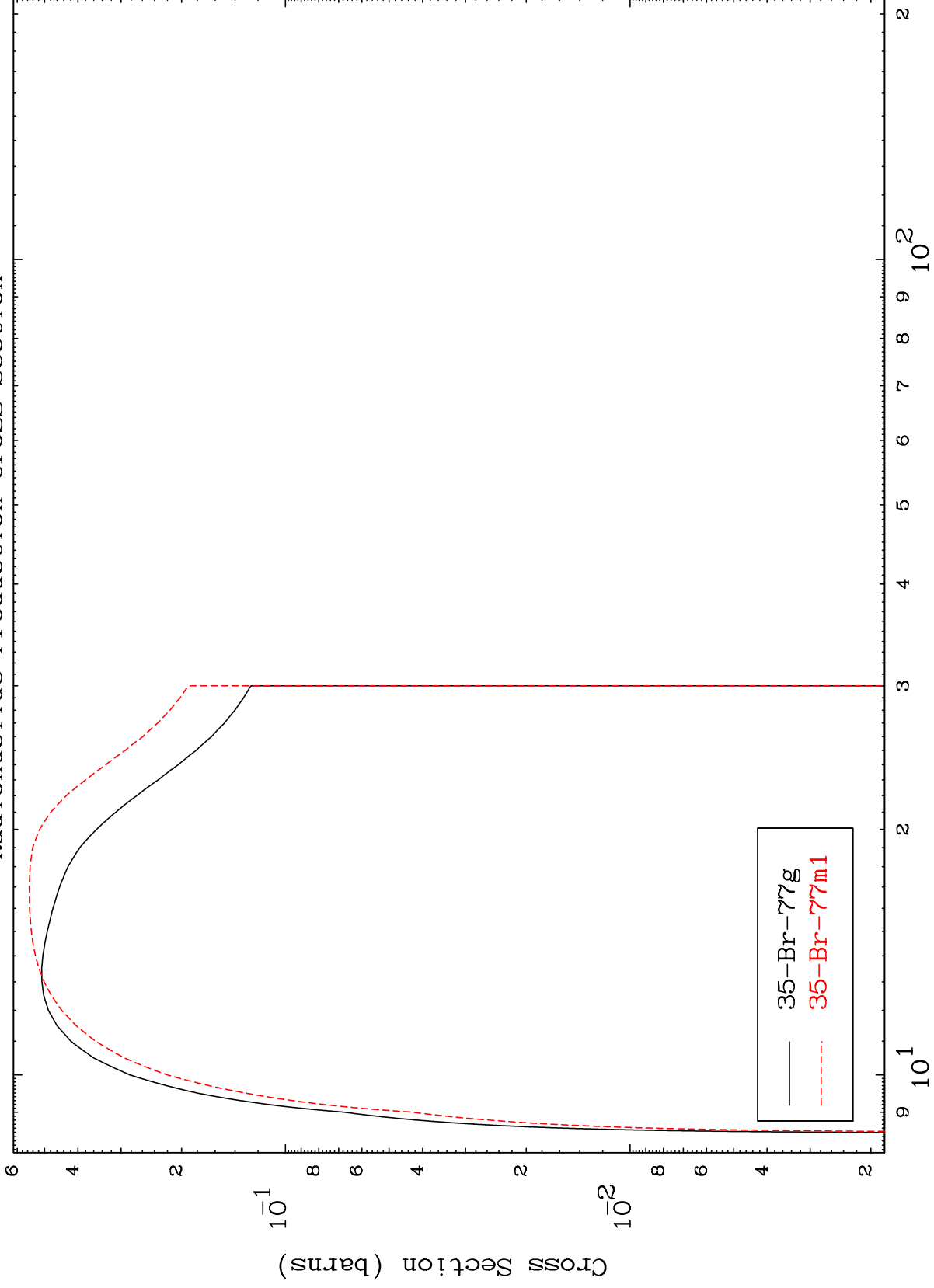
35-Br-78



MAT 3522

³⁵Br-78

(n,2n)
Radionuclide Production Cross Section



72

Incident Energy (MeV)

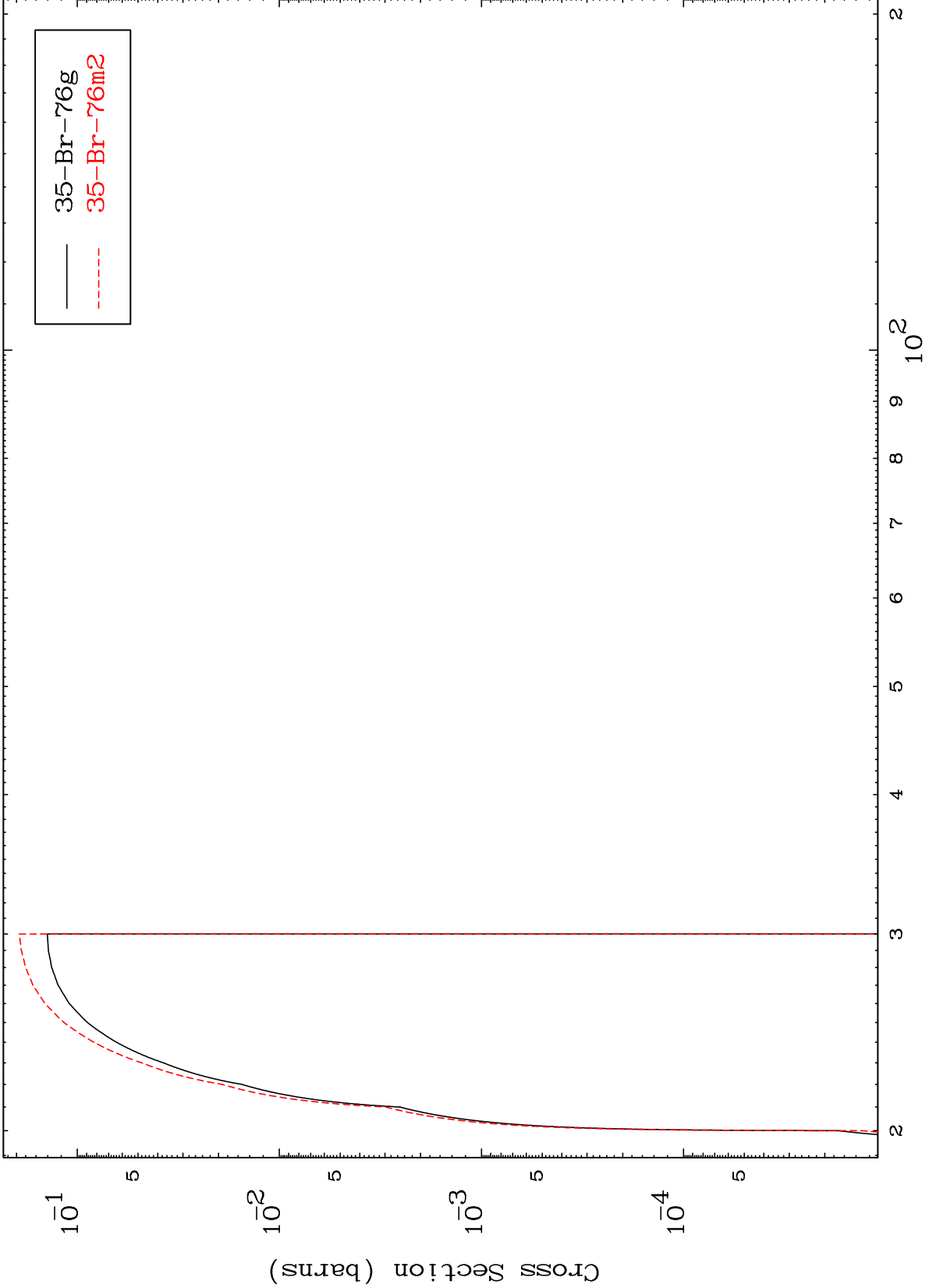
³⁵Br-78

MAT 3522

(n,3n)

³⁵Br-78

Radionuclide Production Cross Section



73

Incident Energy (MeV)

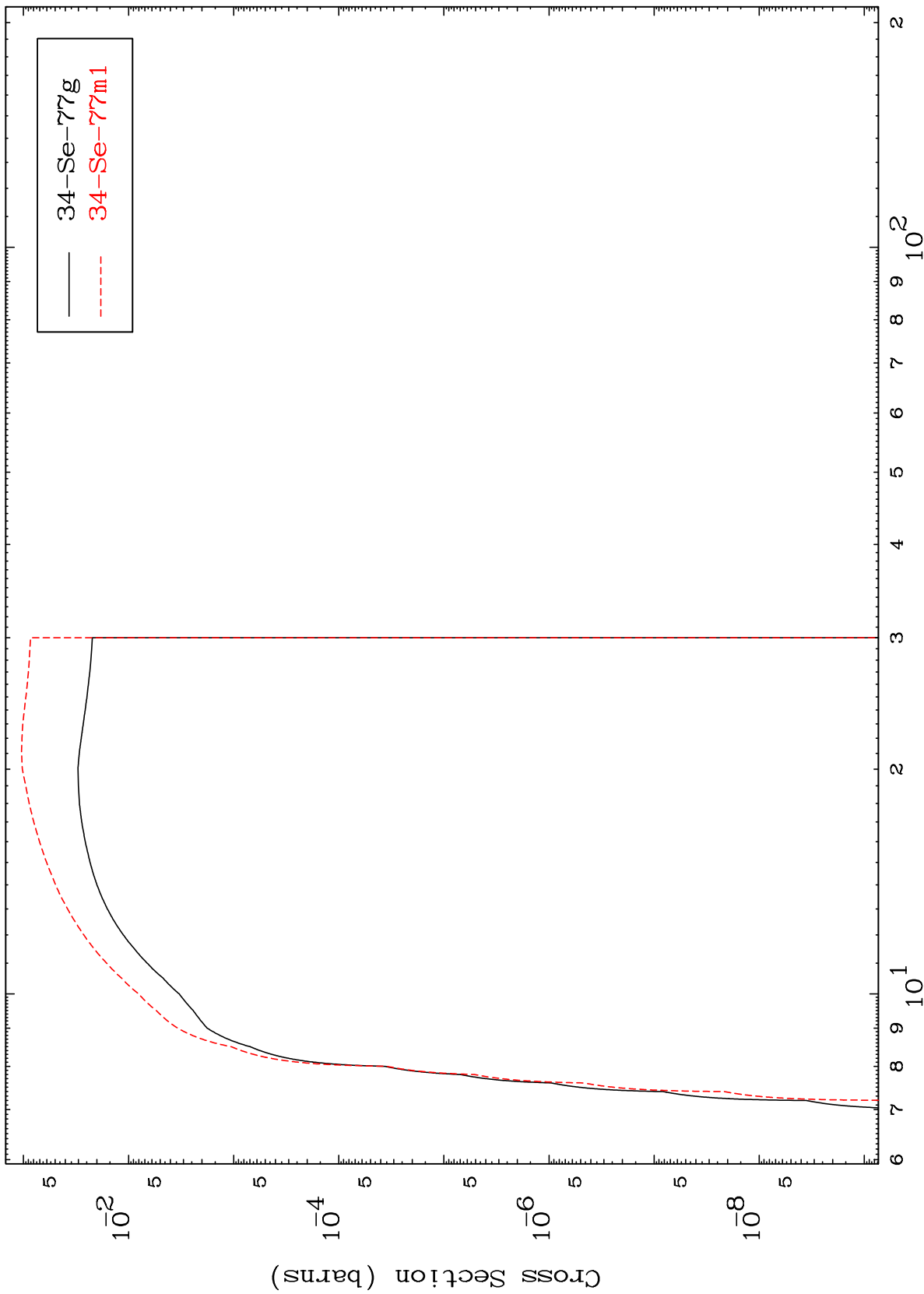
³⁵Br-78

MAT 3522

(n,n') p

35-Br-78

Radionuclide Production Cross Section



74

Incident Energy (MeV)

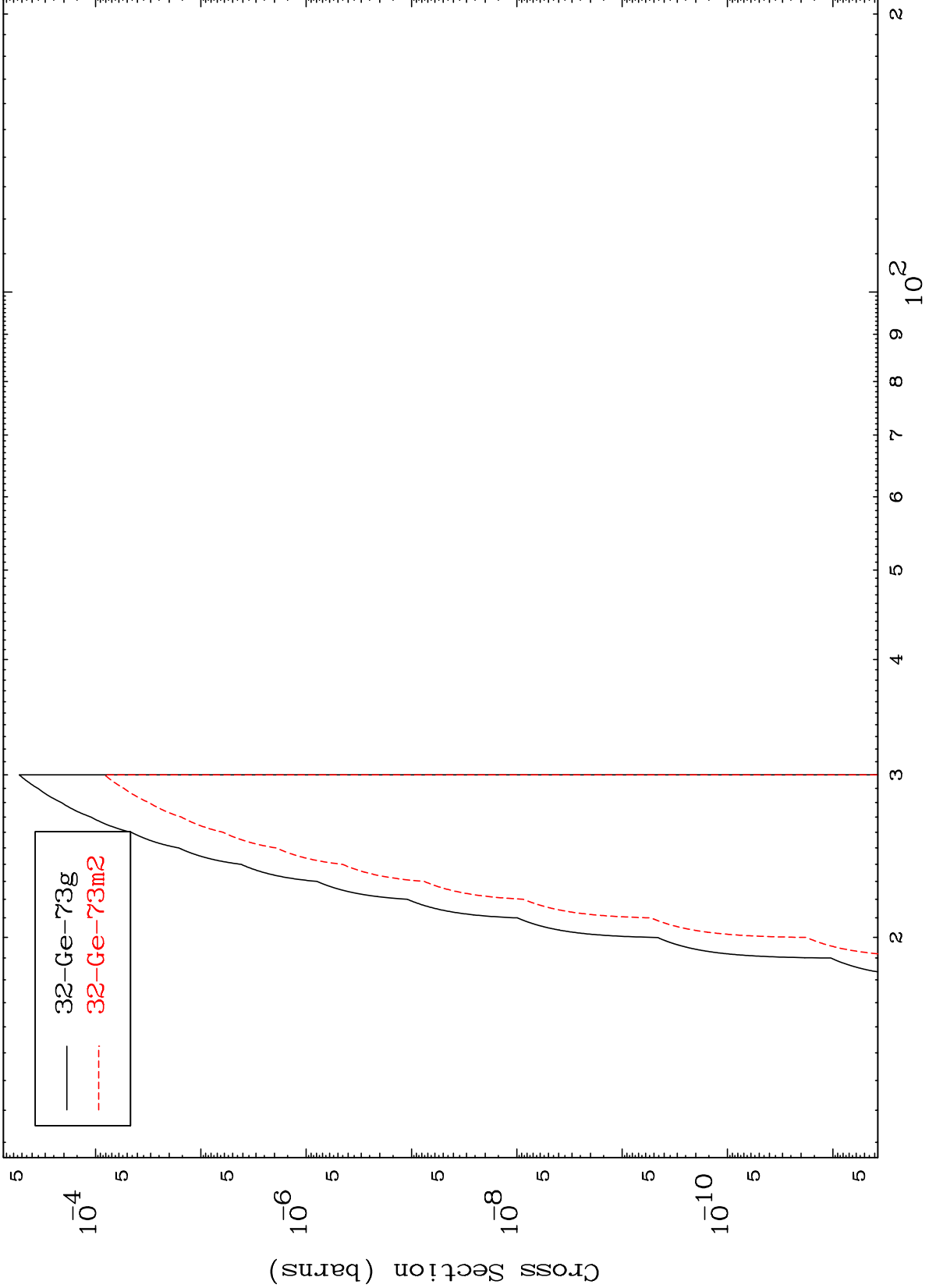
35-Br-78

MAT 35222

(n,n') p α

35-Br-78

Radionuclide Production Cross Section



75

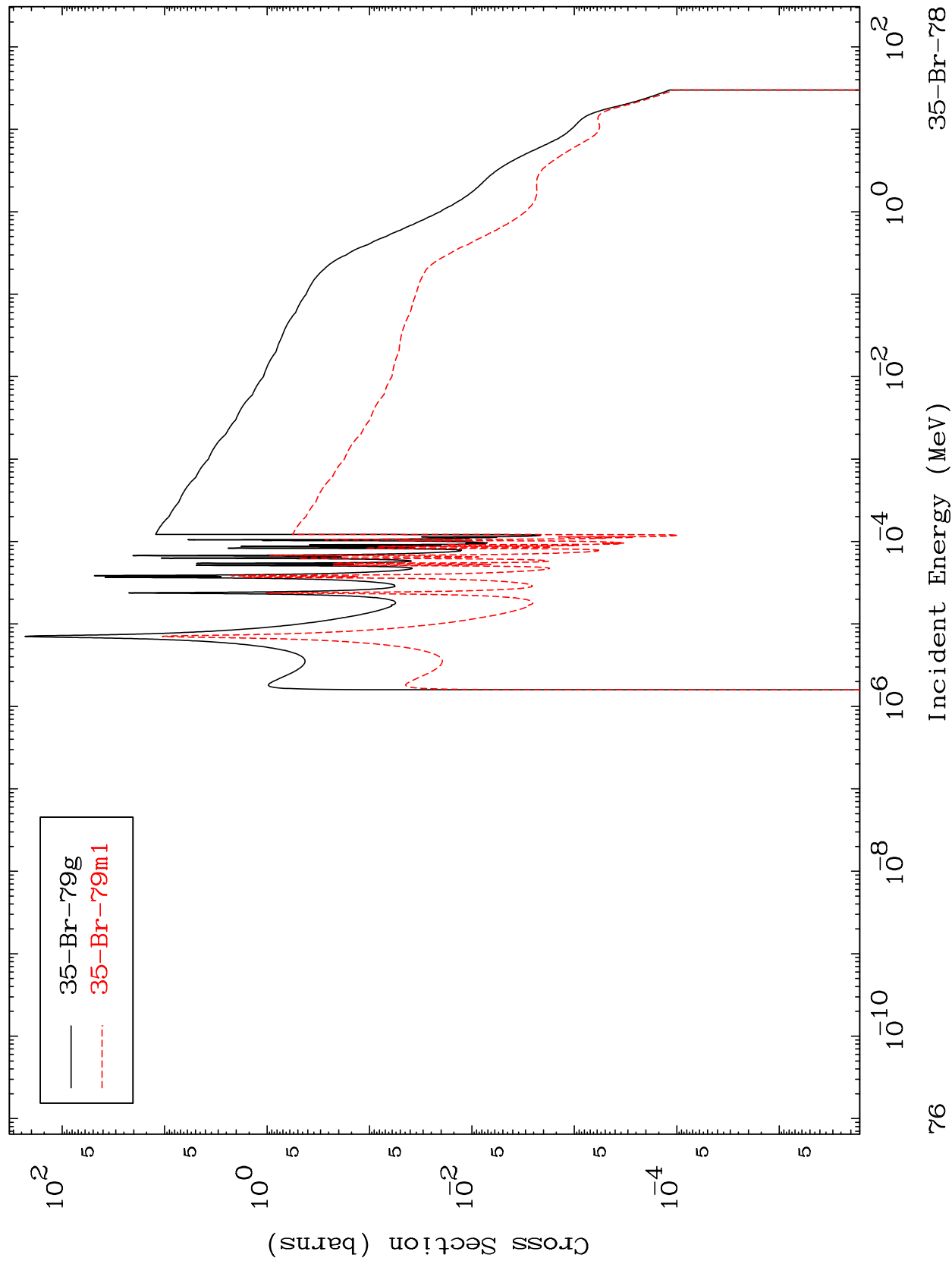
Incident Energy (MeV)

35-Br-78

MAT 3522

35-Br-78

(n, γ)
Radionuclide Production Cross Section



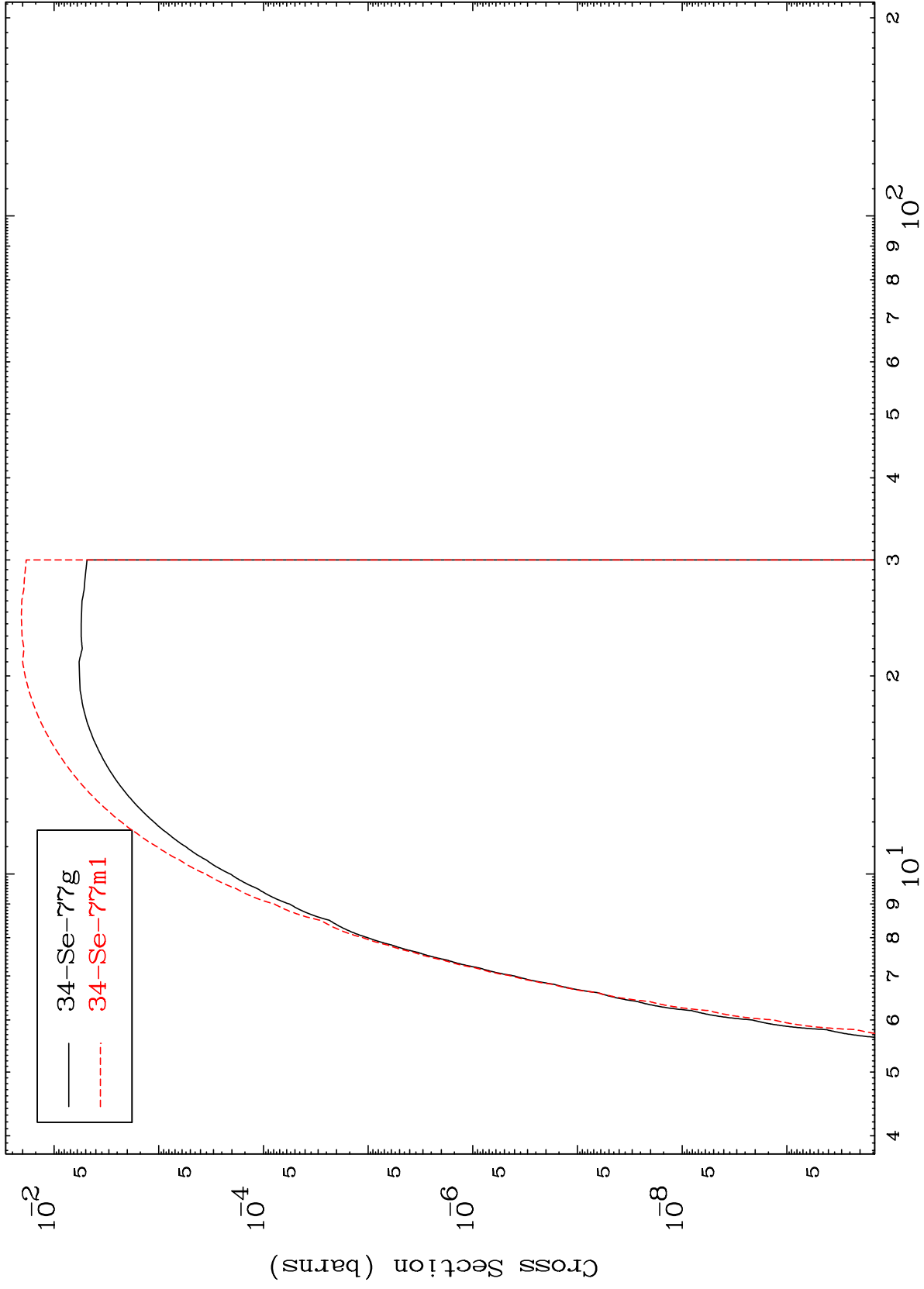
76

35-Br-78

MAT 3522

³⁵Br-78

(n,d)
Radionuclide Production Cross Section



— 34-Se-77g
- - - 34-Se-77m1

³⁵Br-78

Incident Energy (MeV)

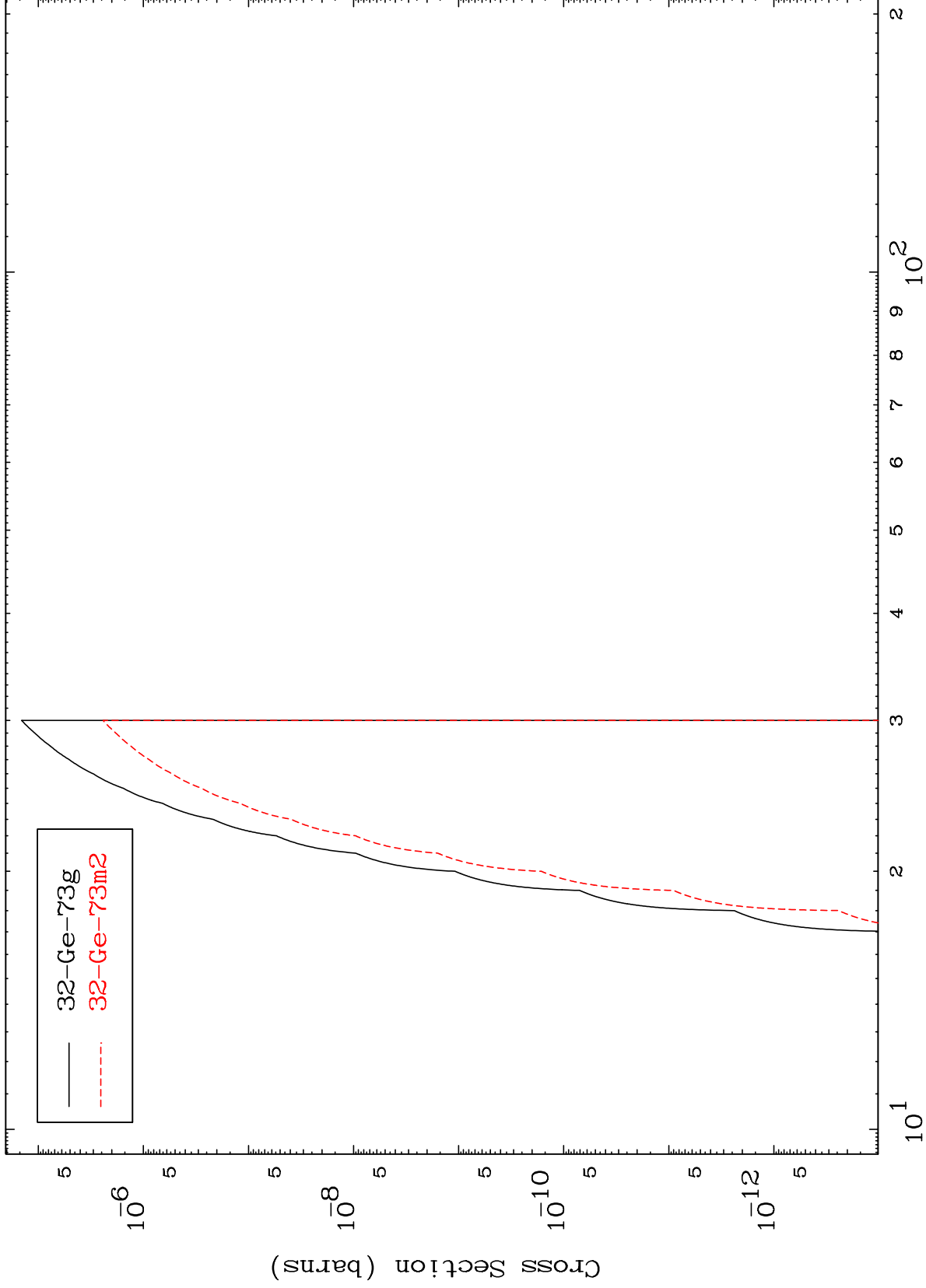
77

MAT 3522

(n,d) α

$^{35}\text{Br-78}$

Radionuclide Production Cross Section



Incident Energy (MeV)

$^{35}\text{Br-78}$

78