

Program EVALPLOT
(Version 2018-1)

by

Dermott E. Cullen
(Present Contact Information)

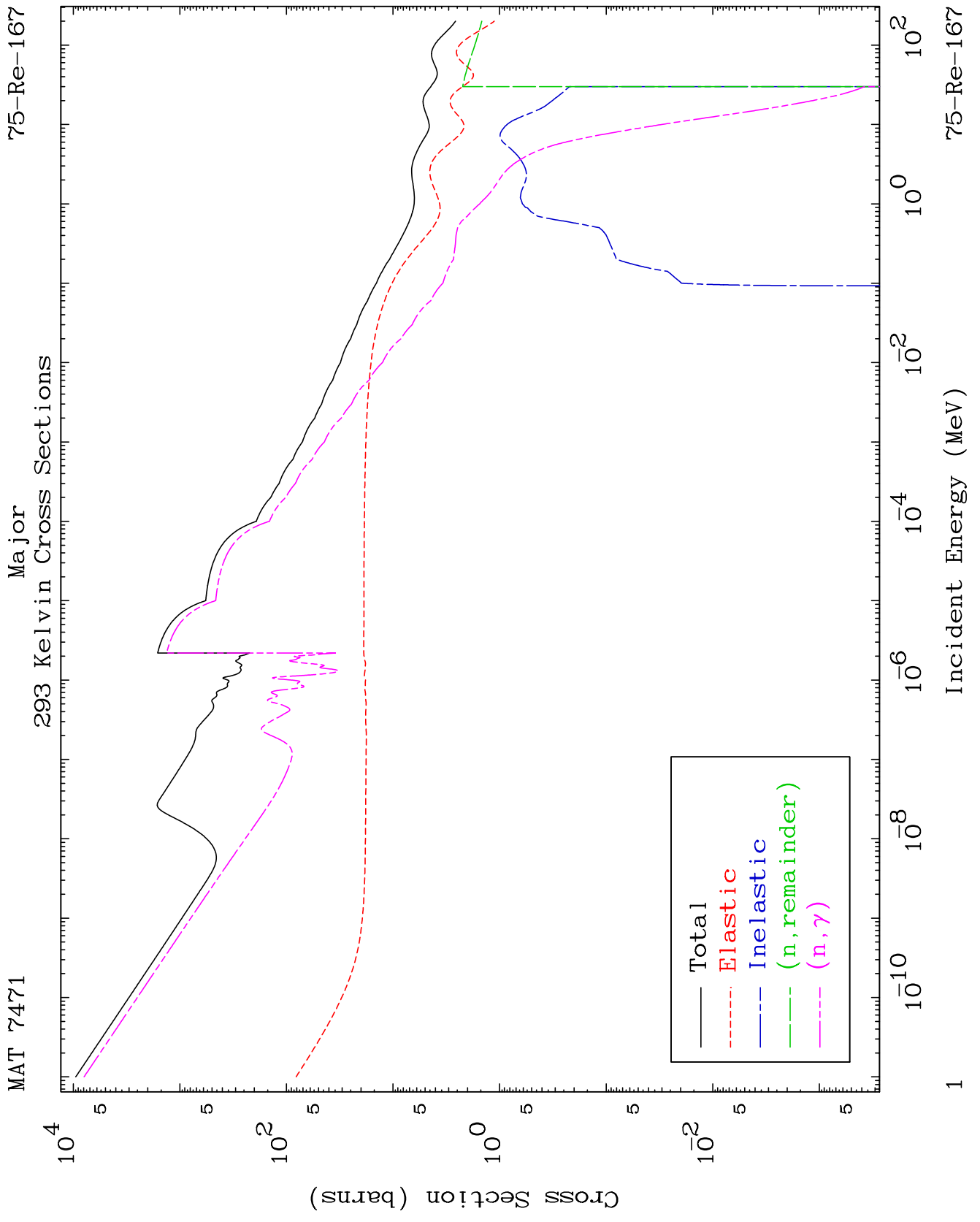
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Tele: 925-443-1911

E.Mail: redcullen1@comcast.net

Web: redcullen1.net/HOMEPAGE.NEW

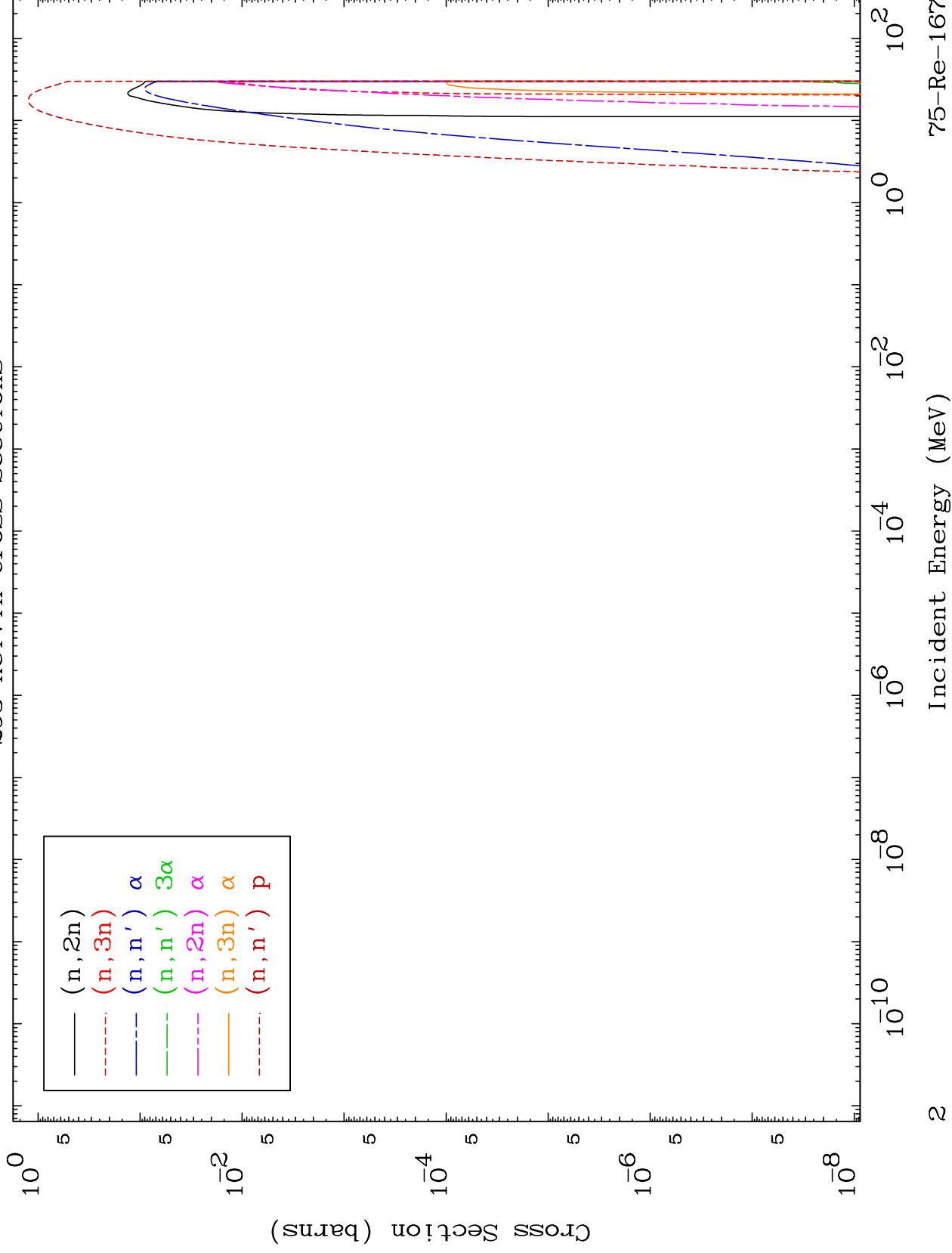
Press Mouse Button to Start



MAT 7471

Neutron Production
293 Kelvin Cross Sections

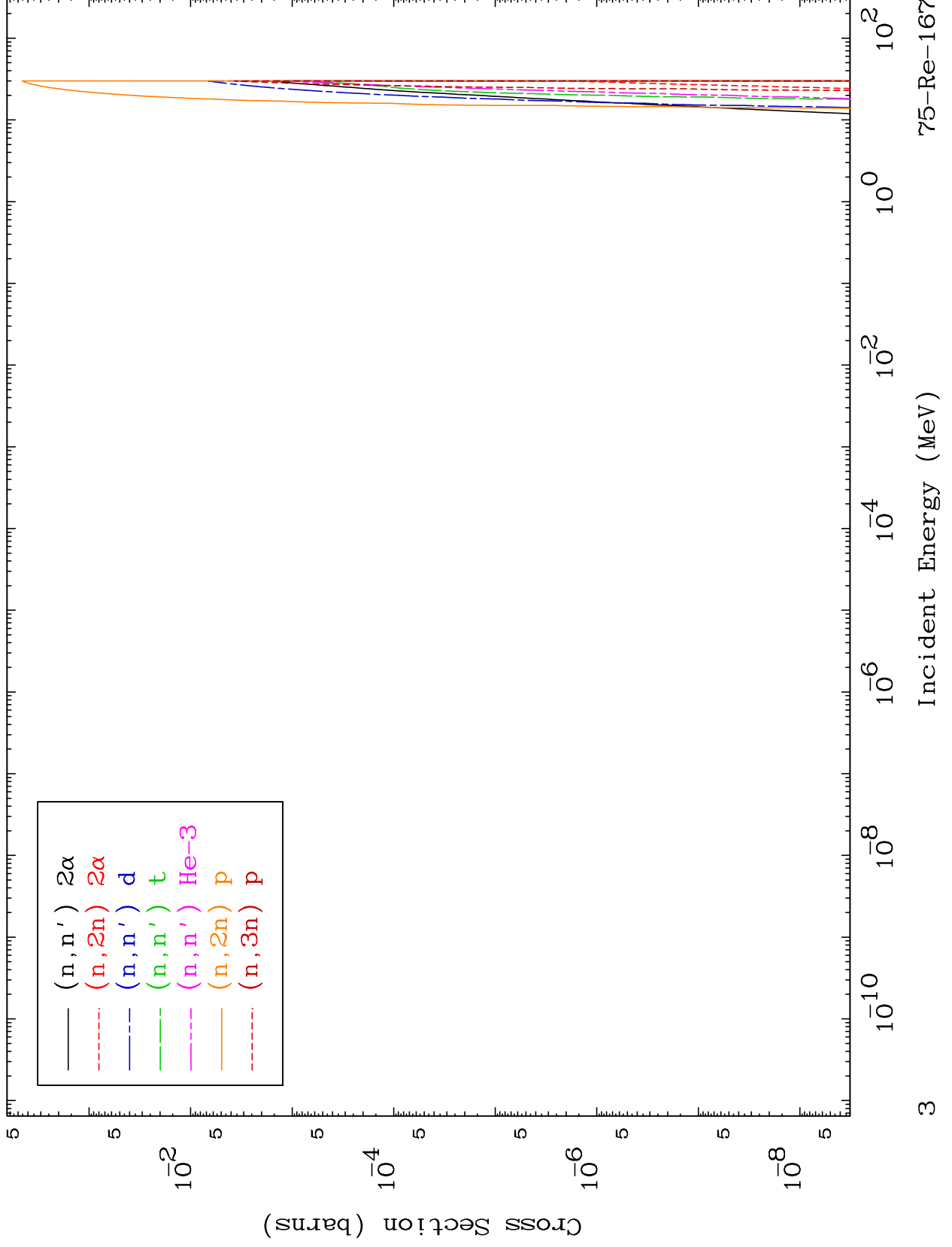
75-Re-167



MAT 7471

Neutron Production
293 Kelvin Cross Sections

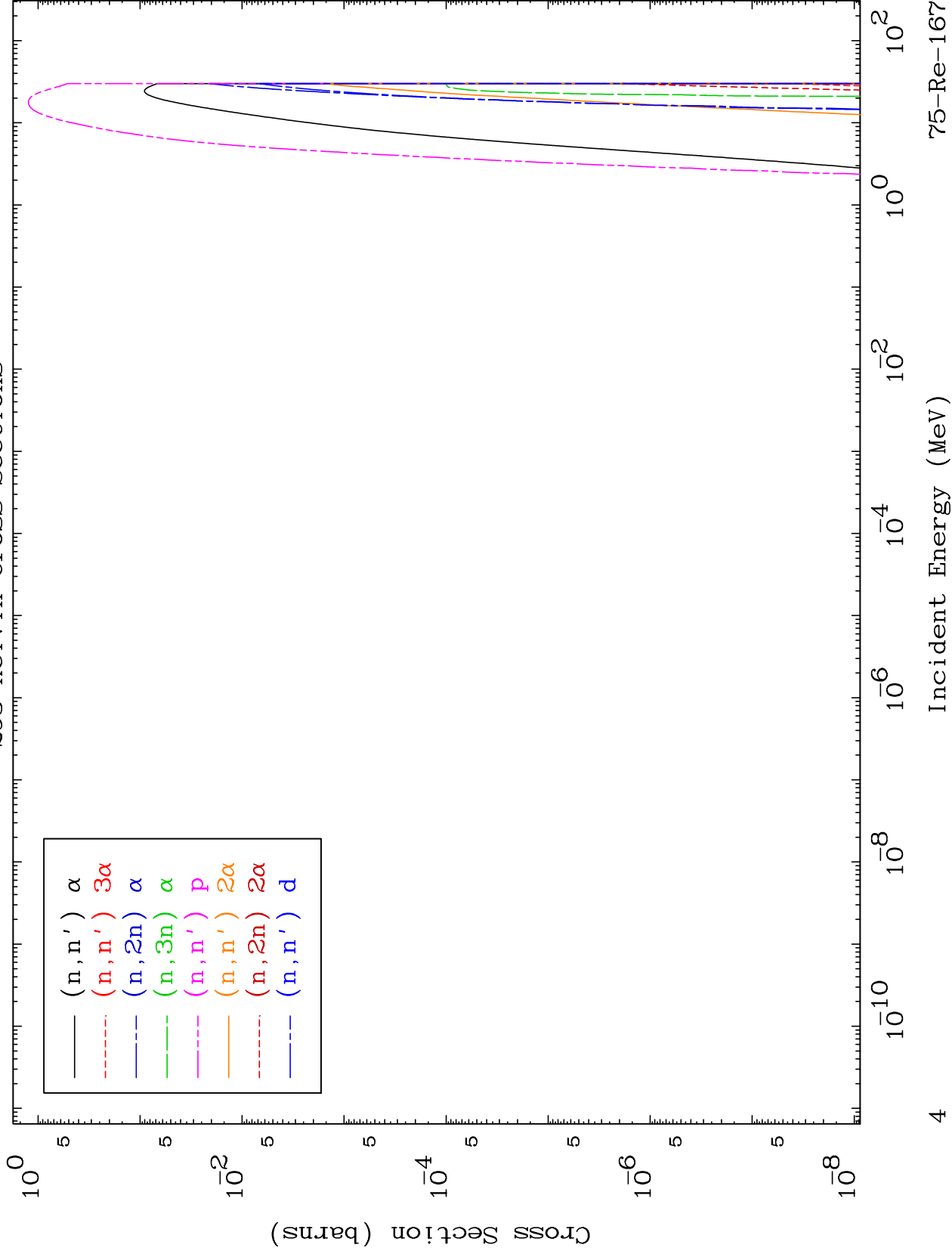
75-Re-167



MAT 7471

Charged Particle
293 Kelvin Cross Sections

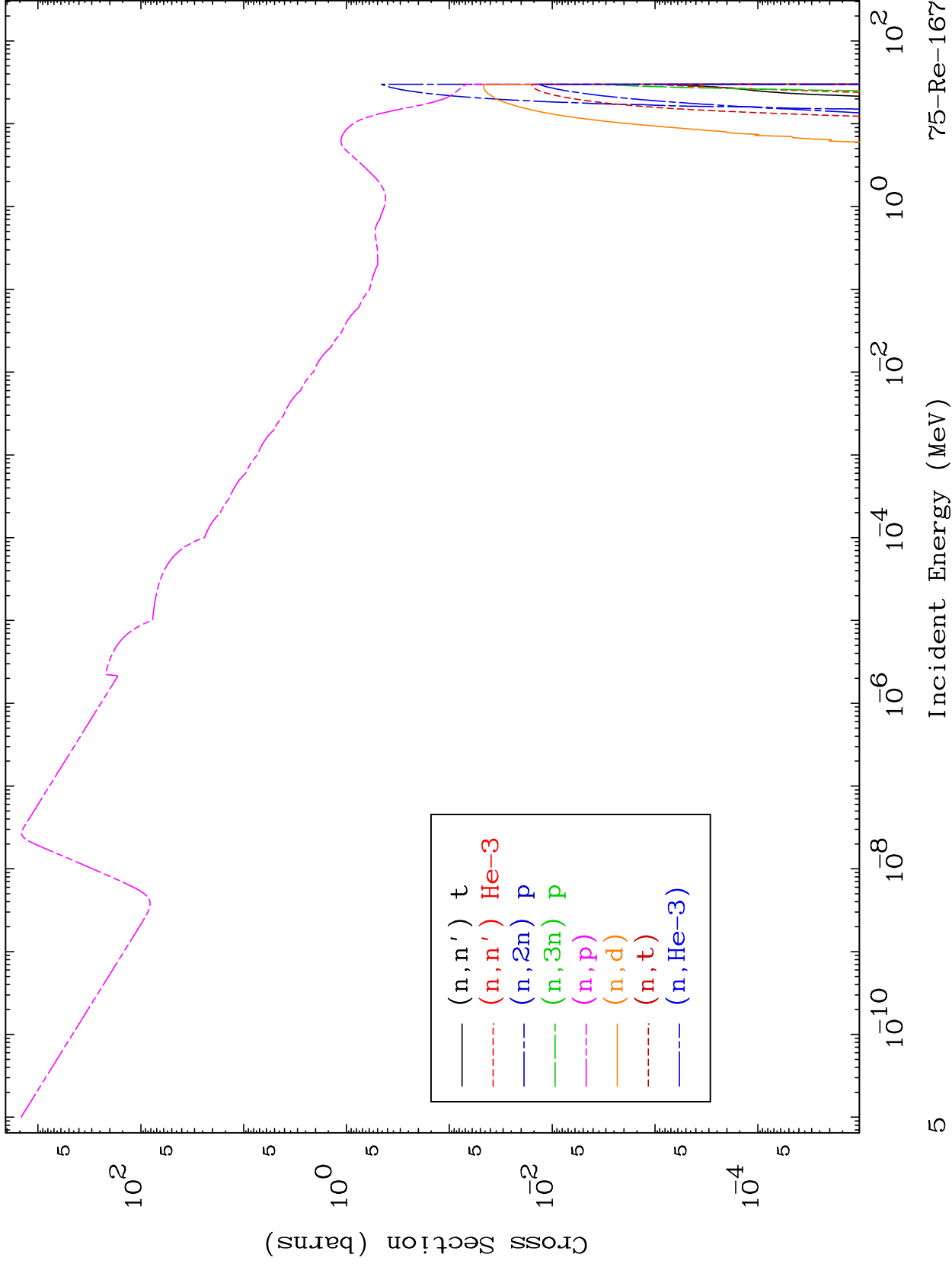
75-Re-167



MAT 7471

Charged Particle
293 Kelvin Cross Sections

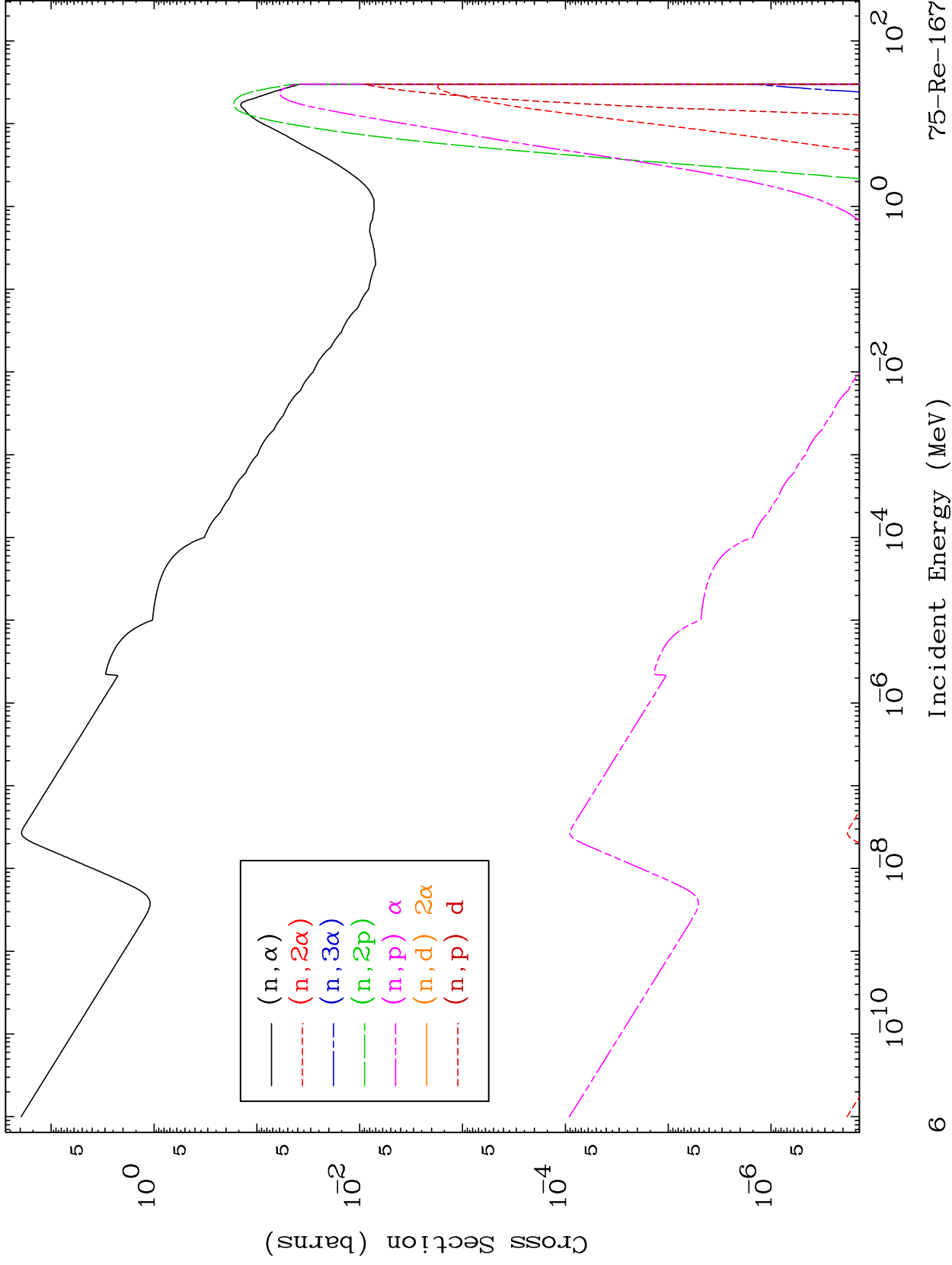
75-Re-167

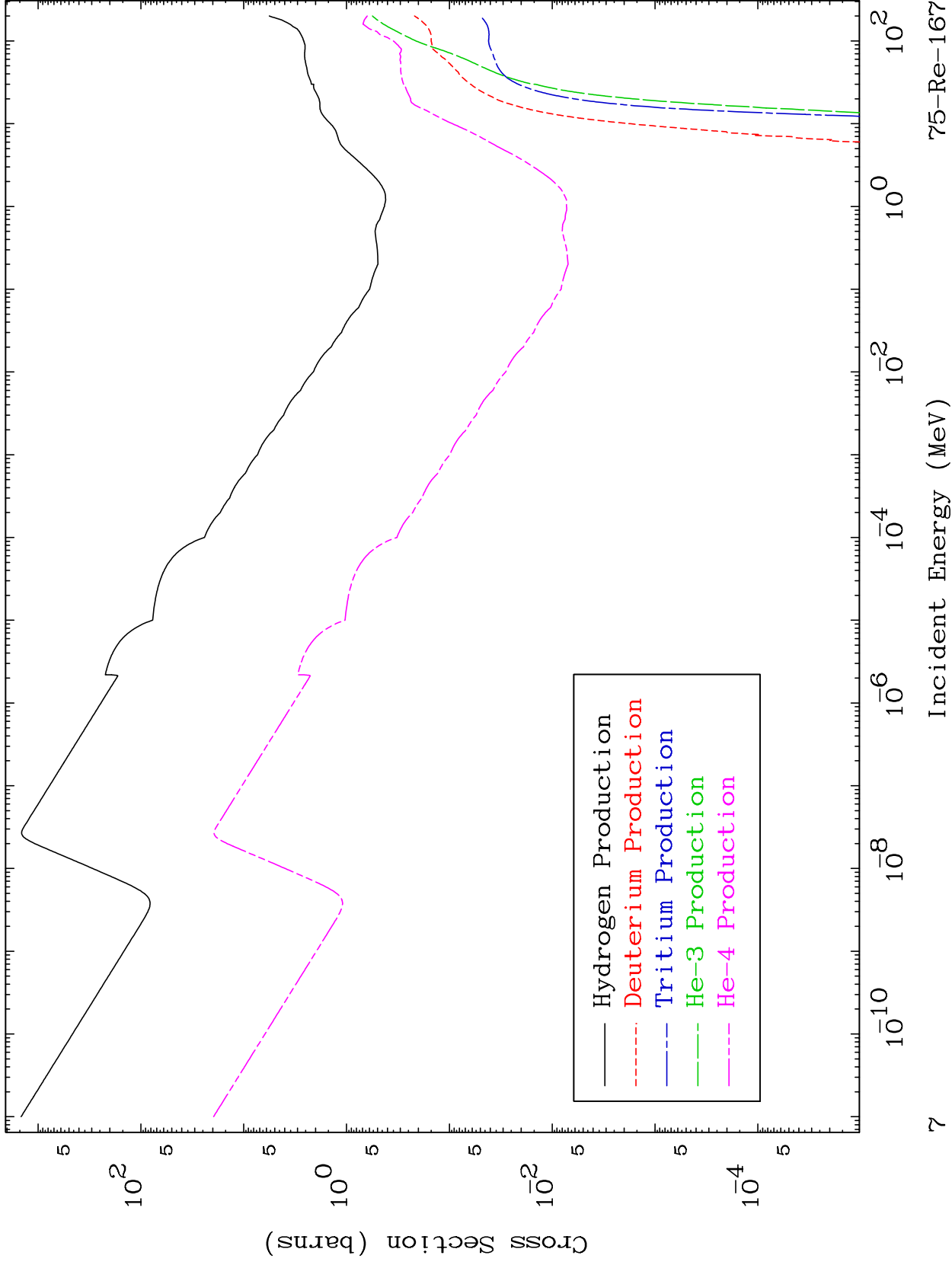


MAT 7471

Charged Particle
293 Kelvin Cross Sections

75-Re-167

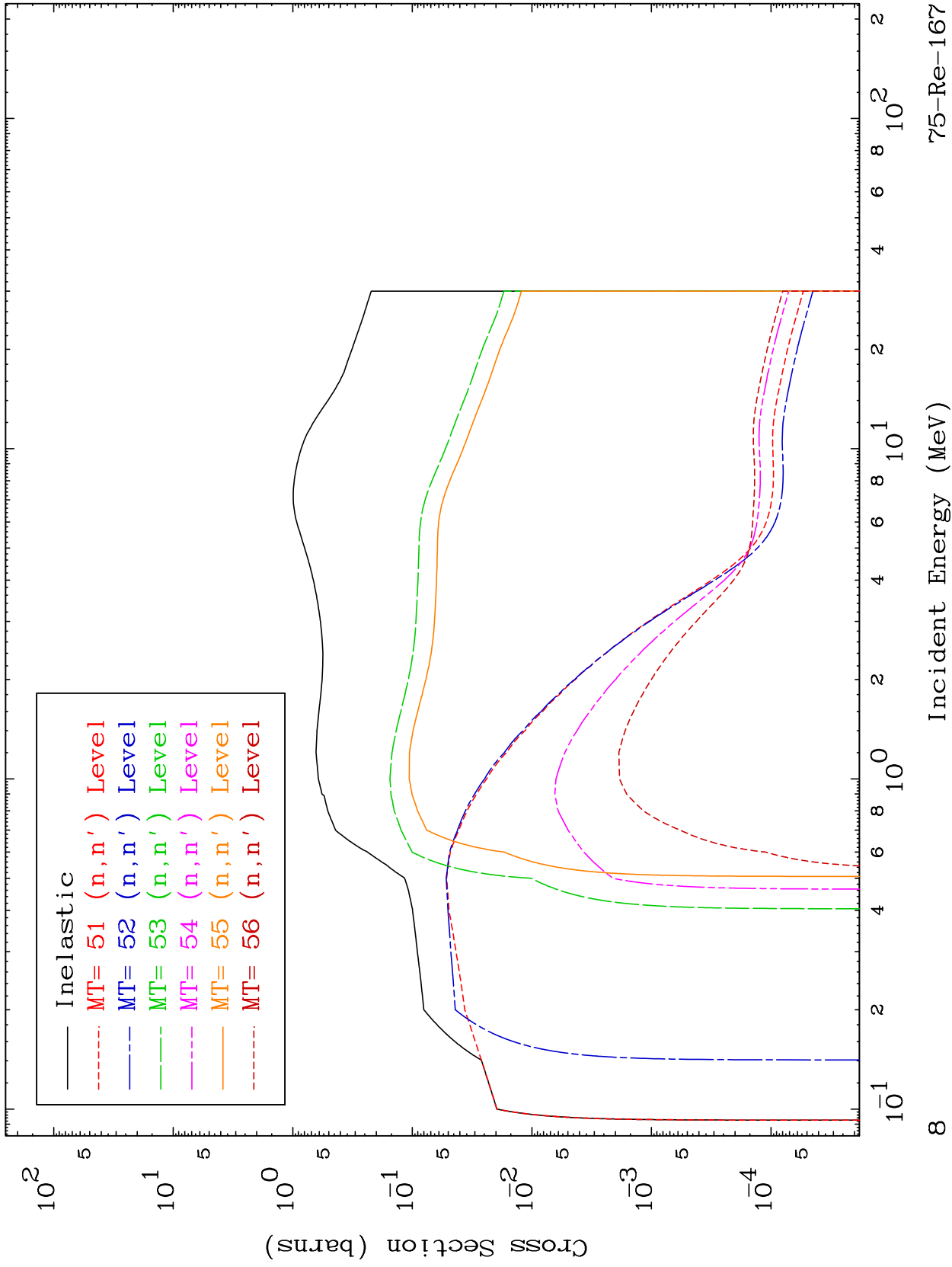




MAT 7471

(n,n') Level
293 Kelvin Cross Sections

75-Re-167

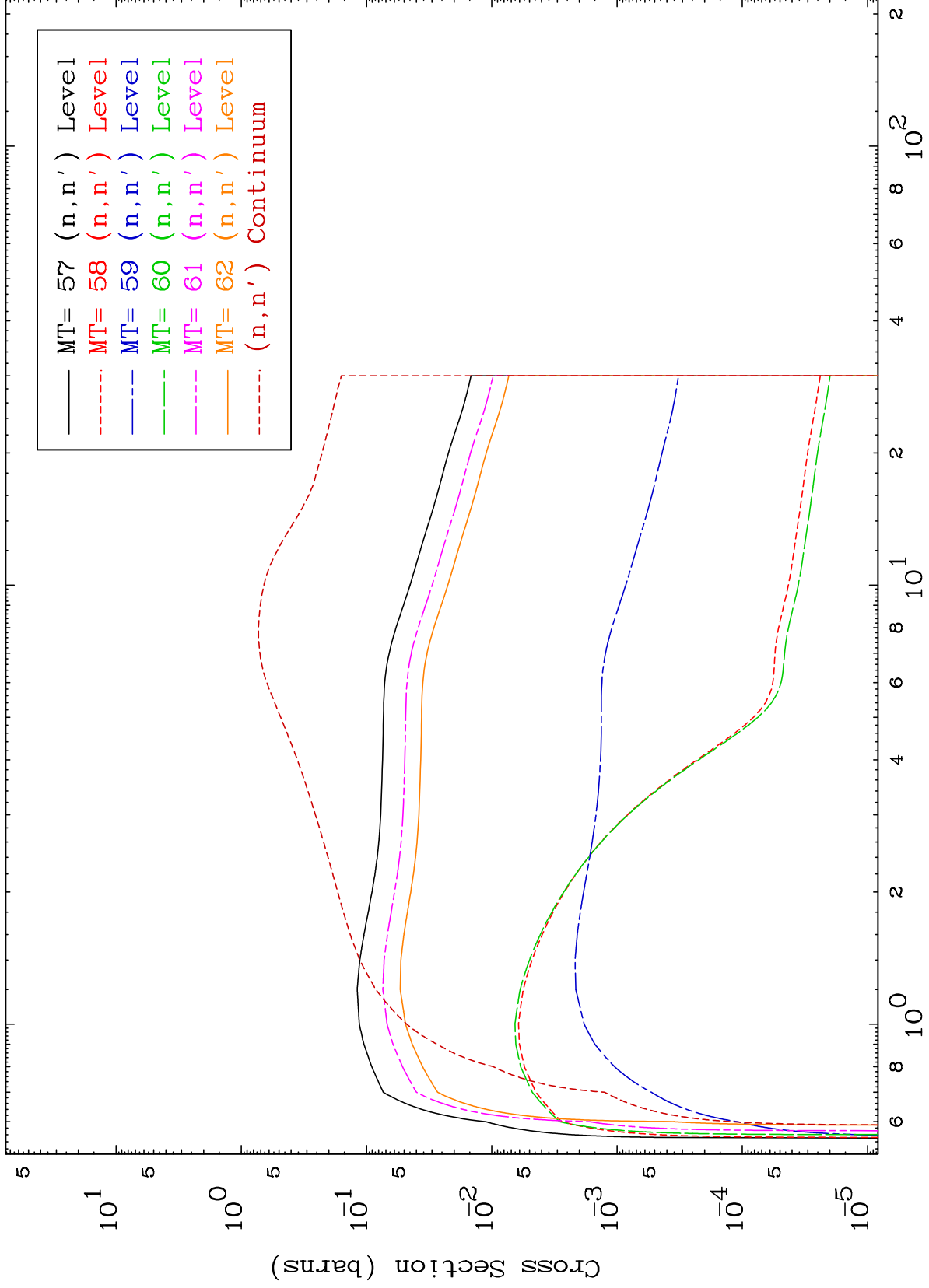


75-Re-167

Incident Energy (MeV)

8

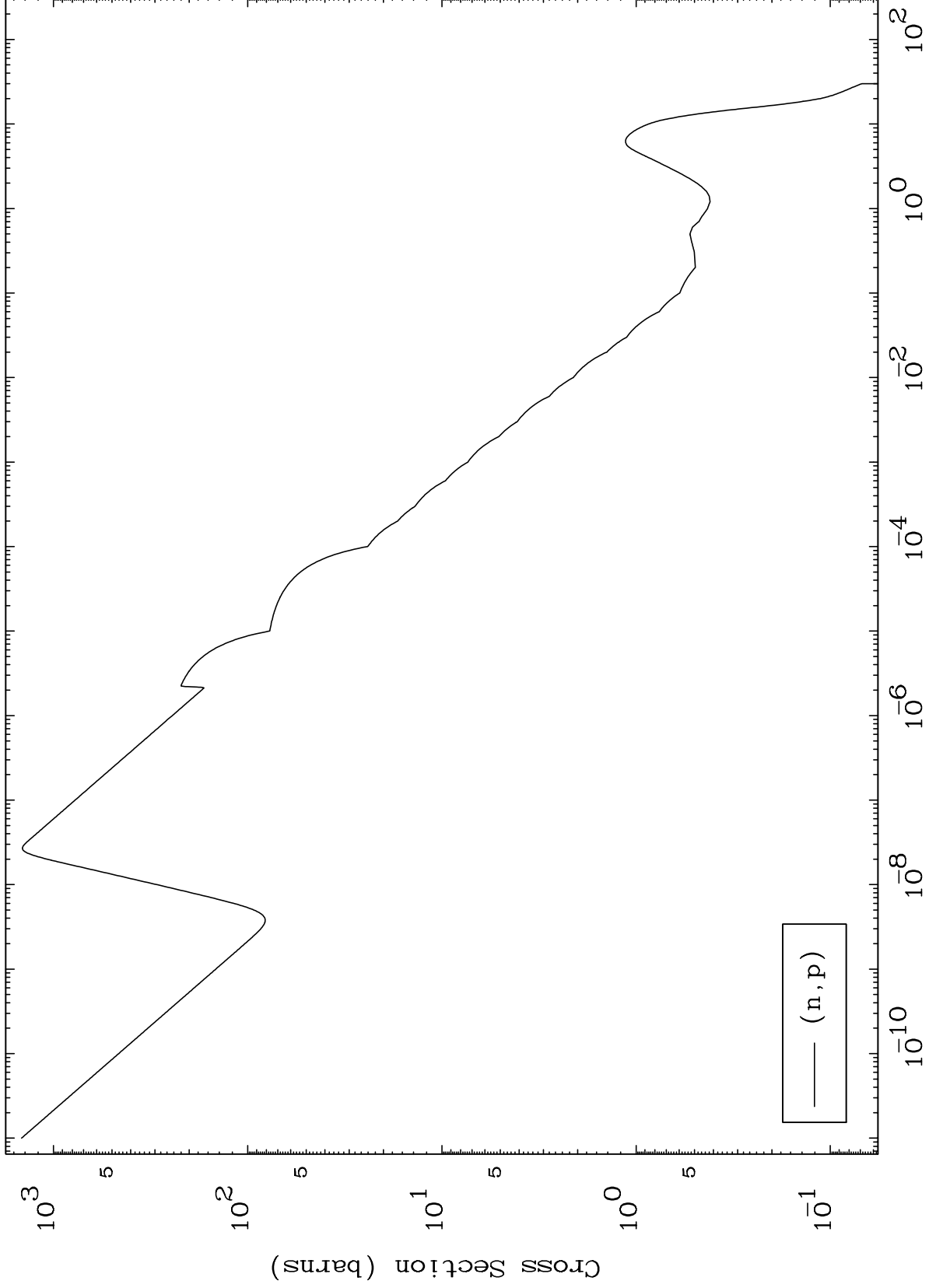
293 Kelvin Cross Sections



MAT 7471

(n,p) Levels
293 Kelvin Cross Sections

75-Re-167



10

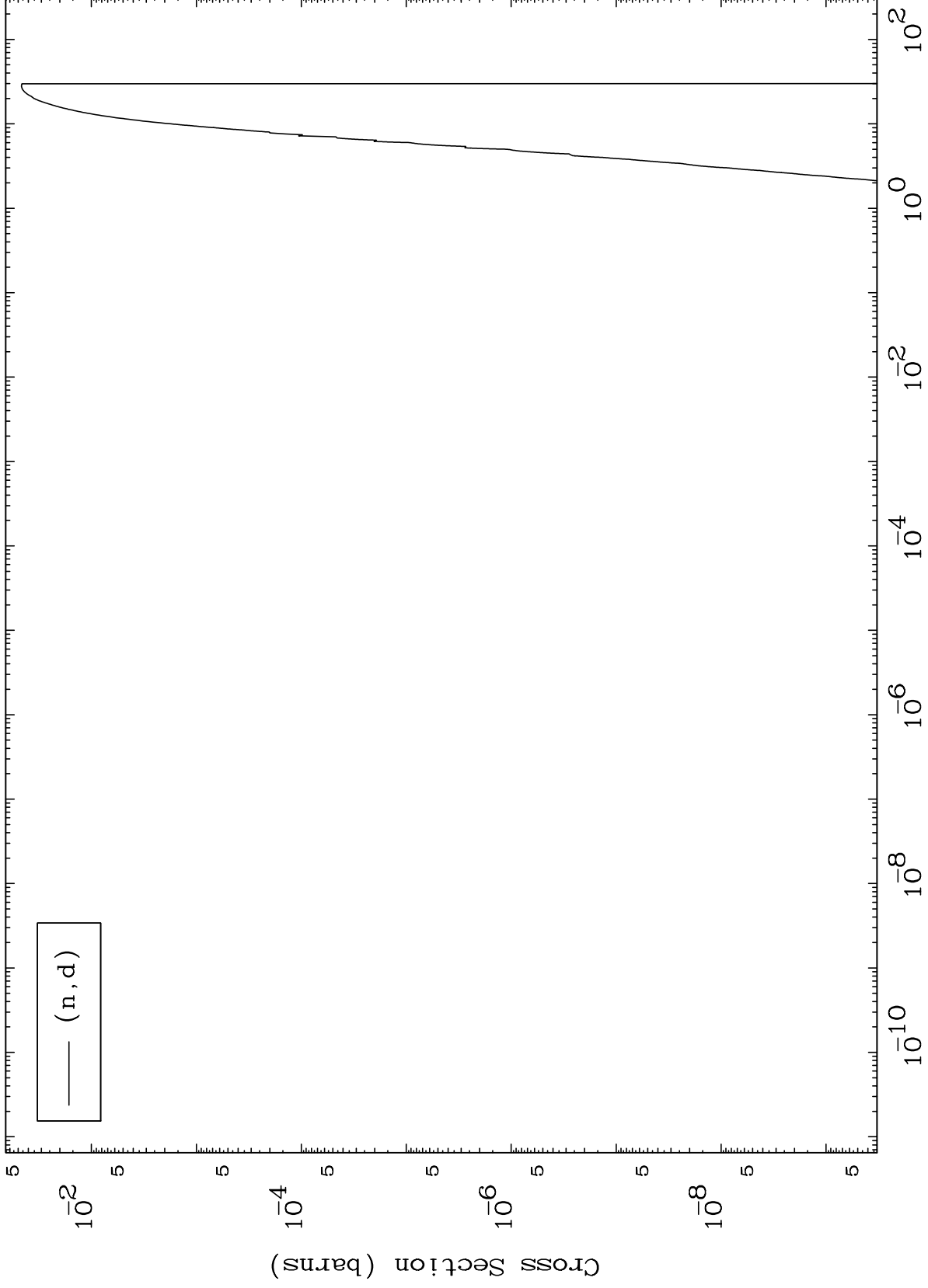
Incident Energy (MeV)

75-Re-167

MAT 7471

(n,d) Levels
293 Kelvin Cross Sections

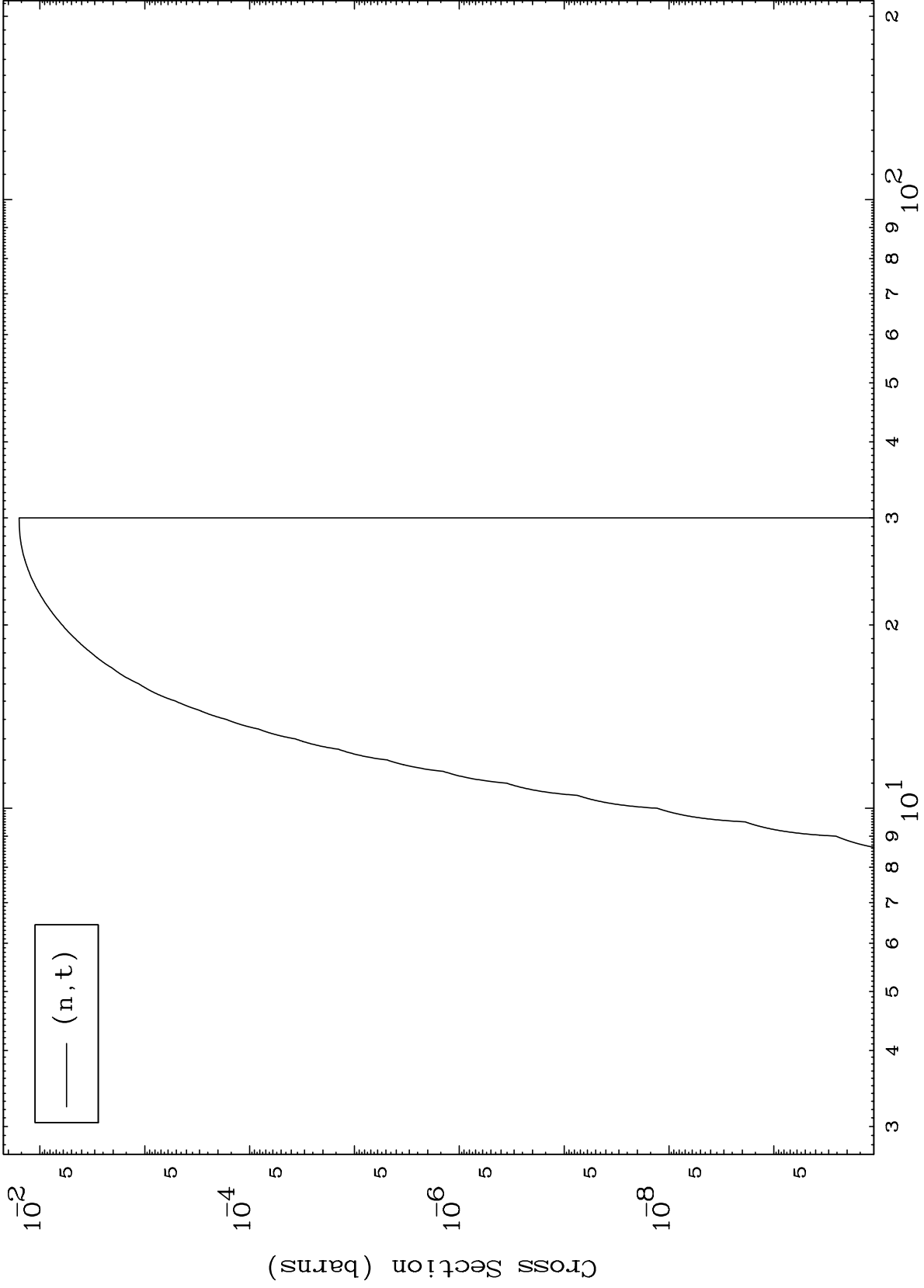
75-Re-167



MAT 7471

(n,t) Levels
293 Kelvin Cross Sections

75-Re-167



12

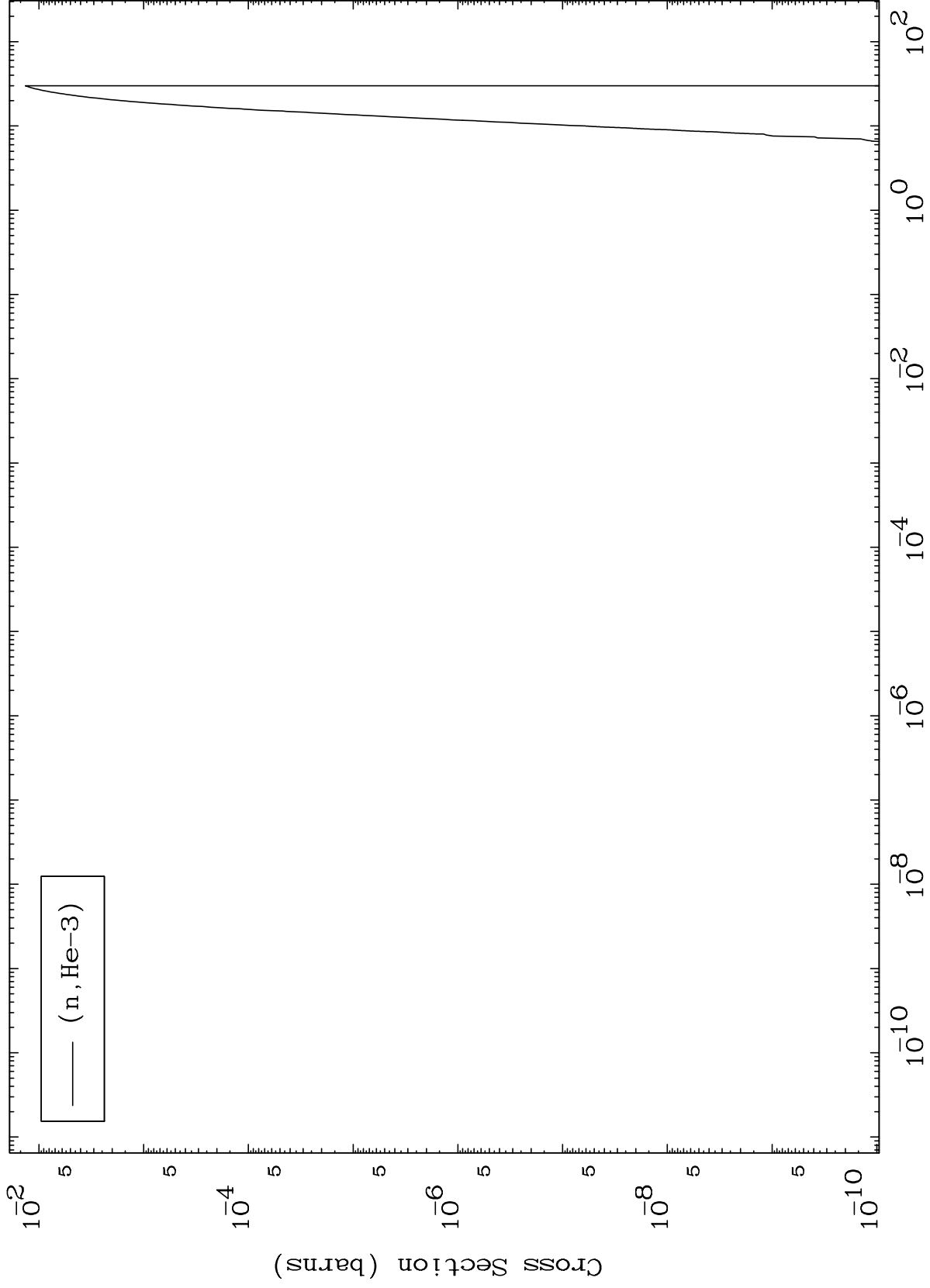
Incident Energy (MeV)

75-Re-167

MAT 7471

(n,He3) Levels
293 Kelvin Cross Sections

75-Re-167



13

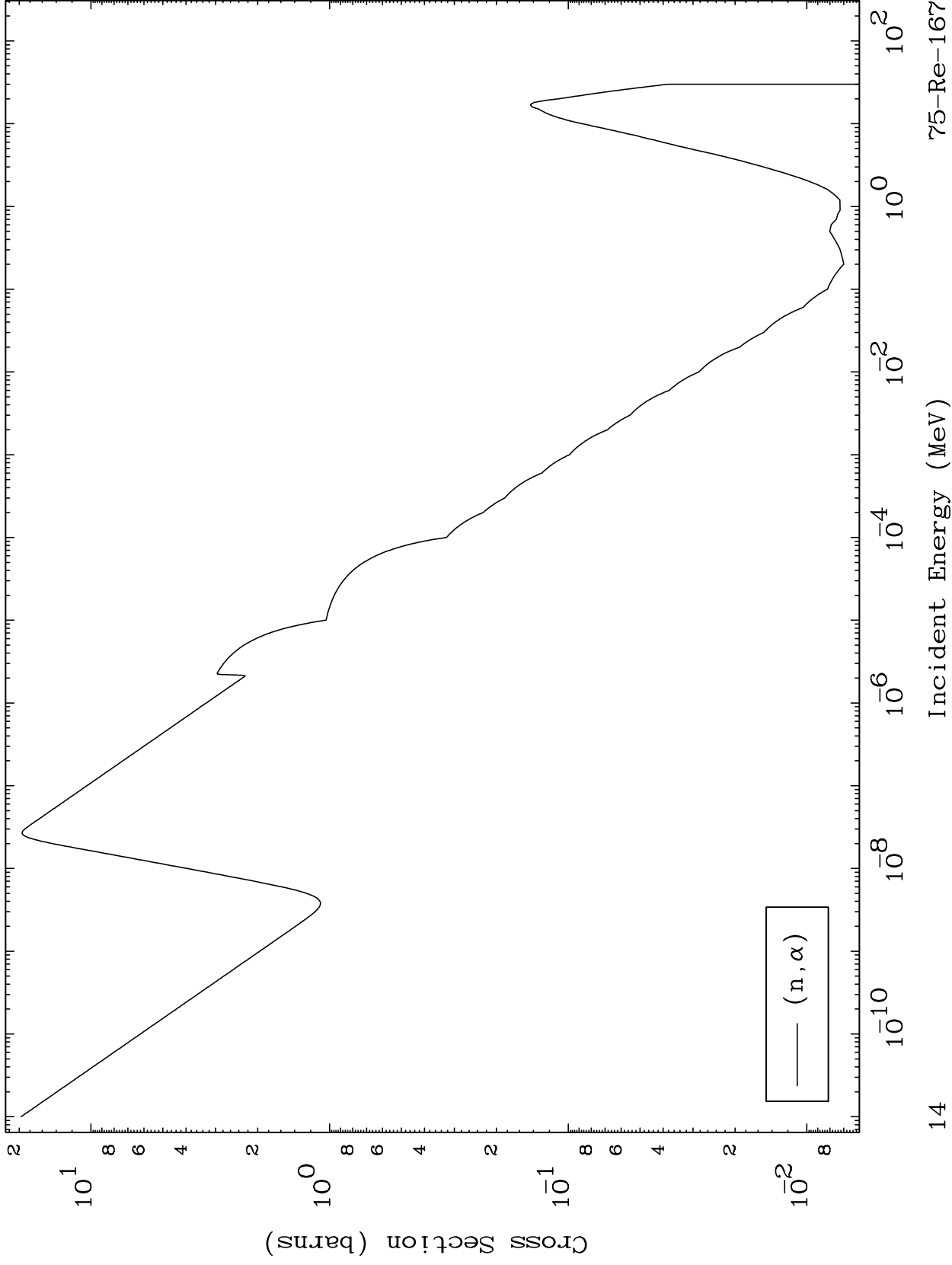
Incident Energy (MeV)

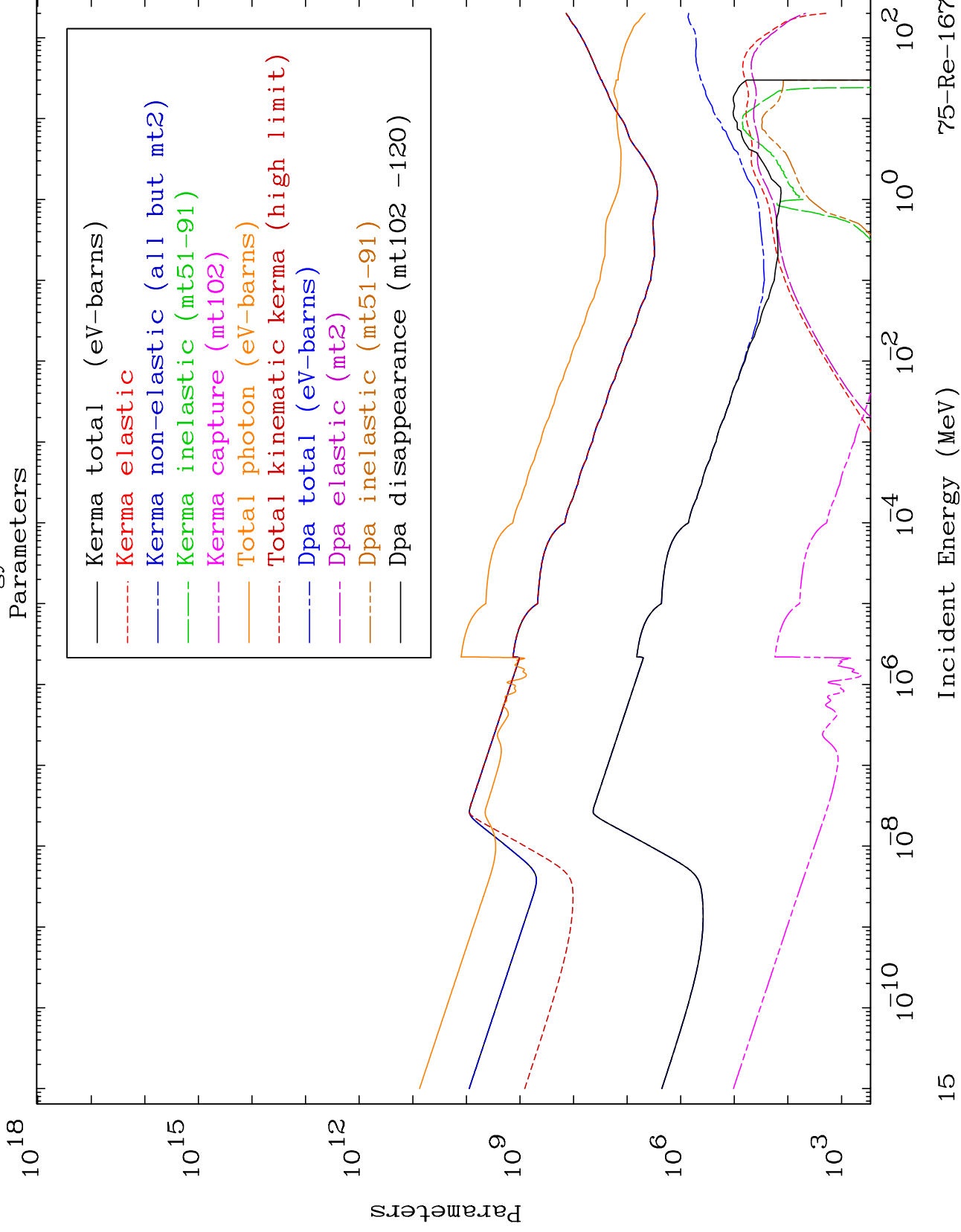
75-Re-167

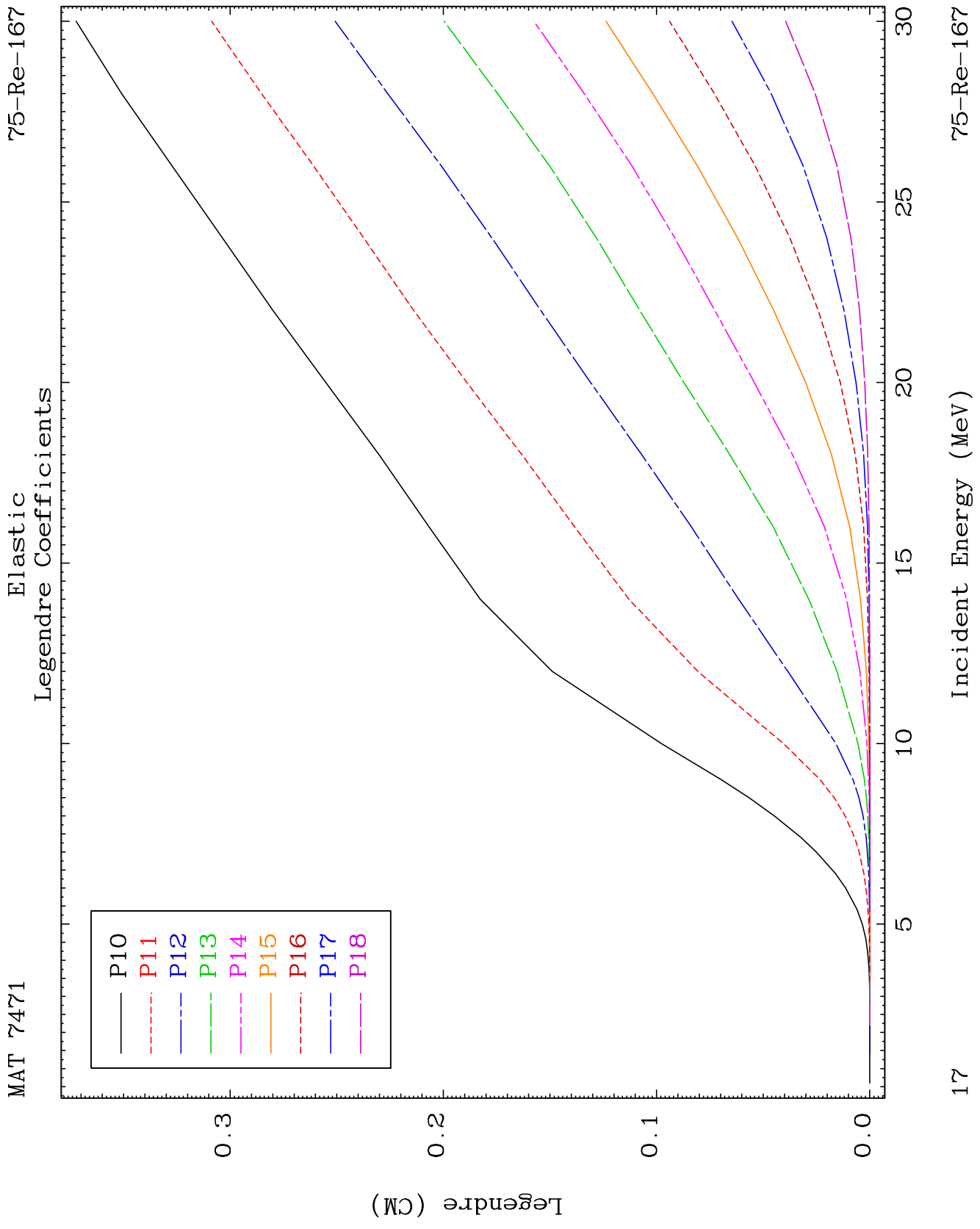
MAT 7471

(n,α) Levels
293 Kelvin Cross Sections

75-Re-167



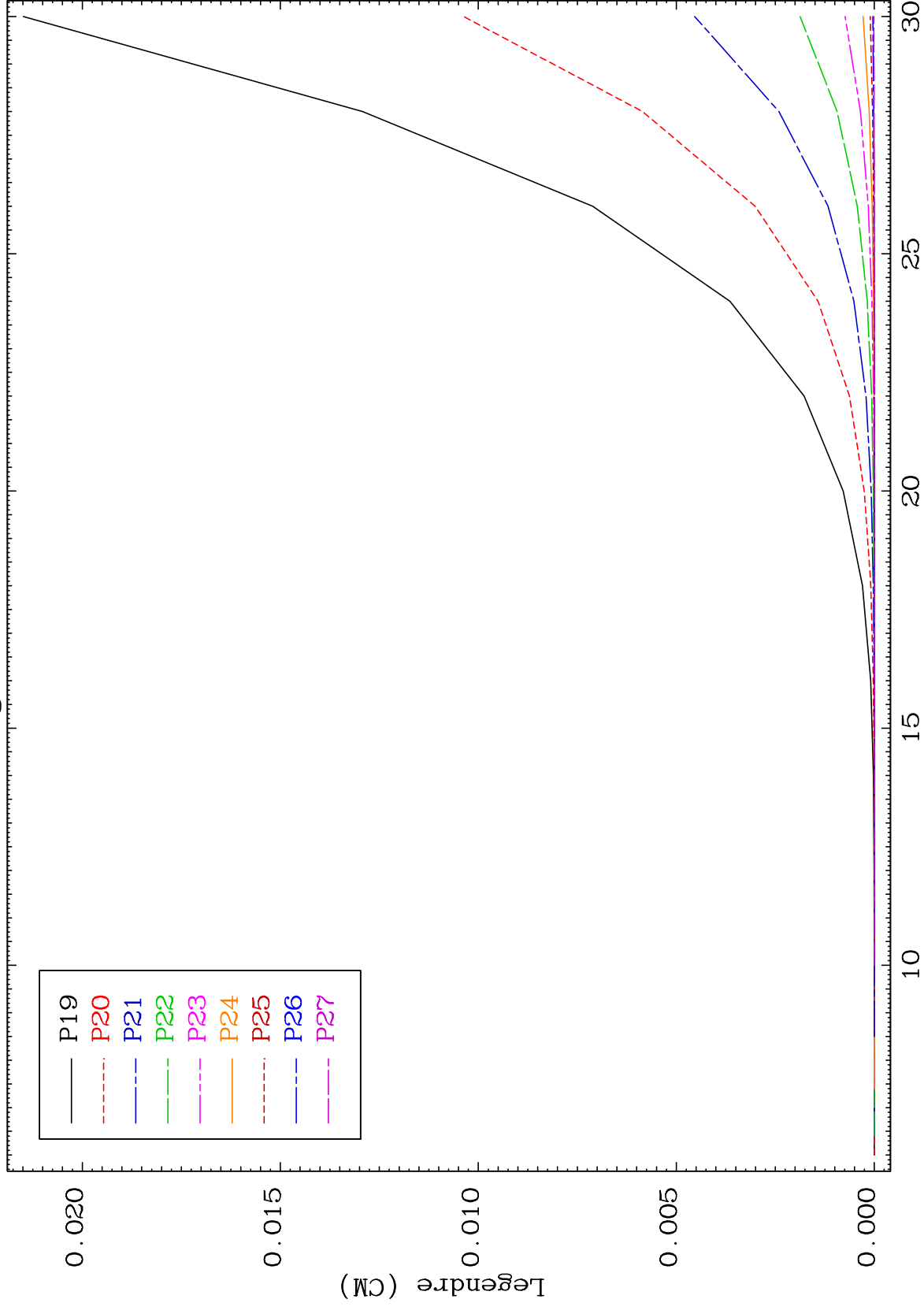




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Elastic Legendre Coefficients

75-Re-167



18

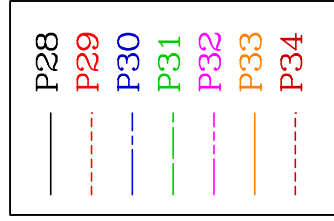
Incident Energy (MeV)

75-Re-167

MAT 7471

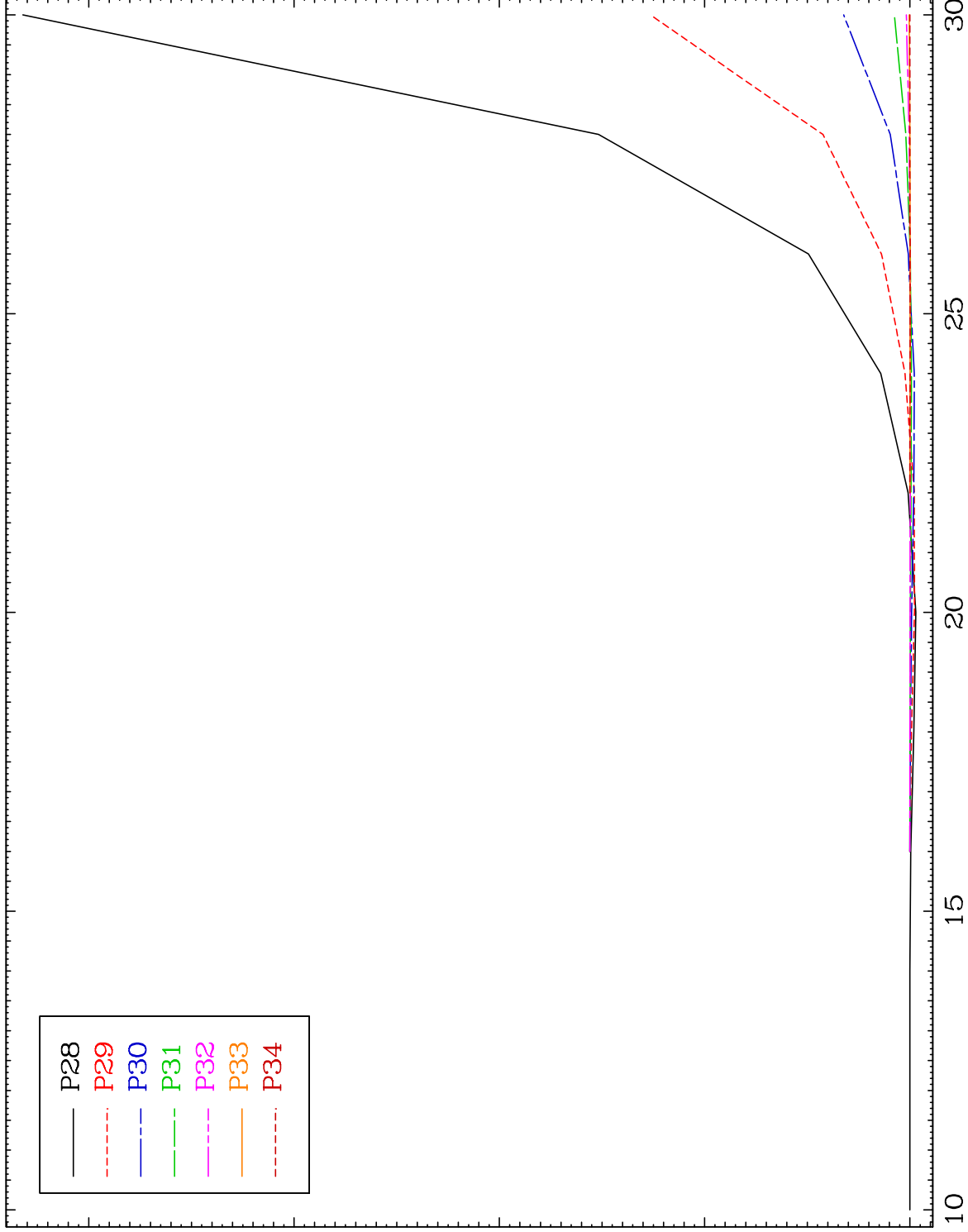
Elastic
Legendre Coefficients

75-Re-167



$\times 10^{-6}$

Legendre (CM)



10

15

20

25

30

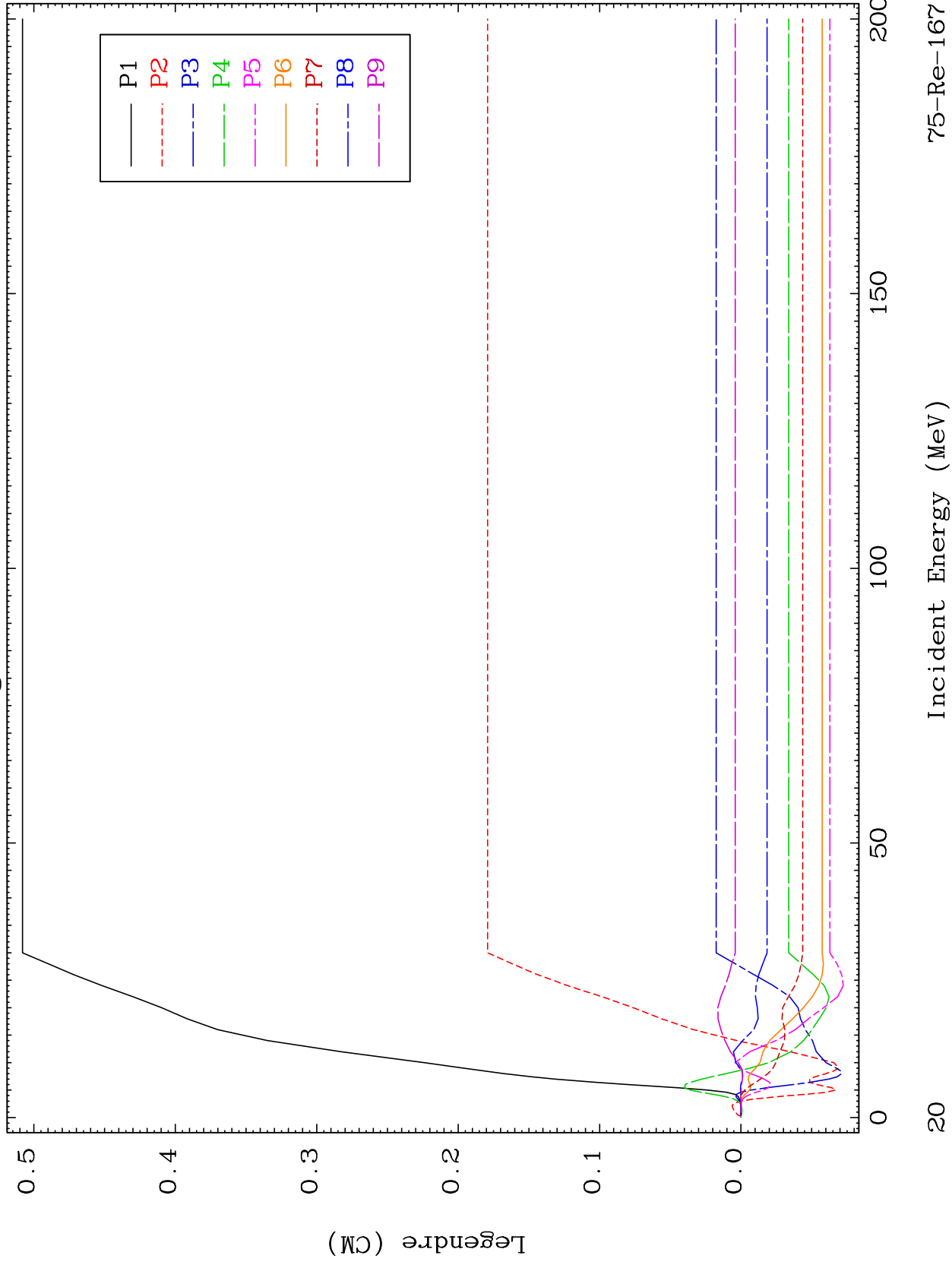
Incident Energy (MeV)

75-Re-167

MAT 7471

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

75-Re-167



75-Re-167

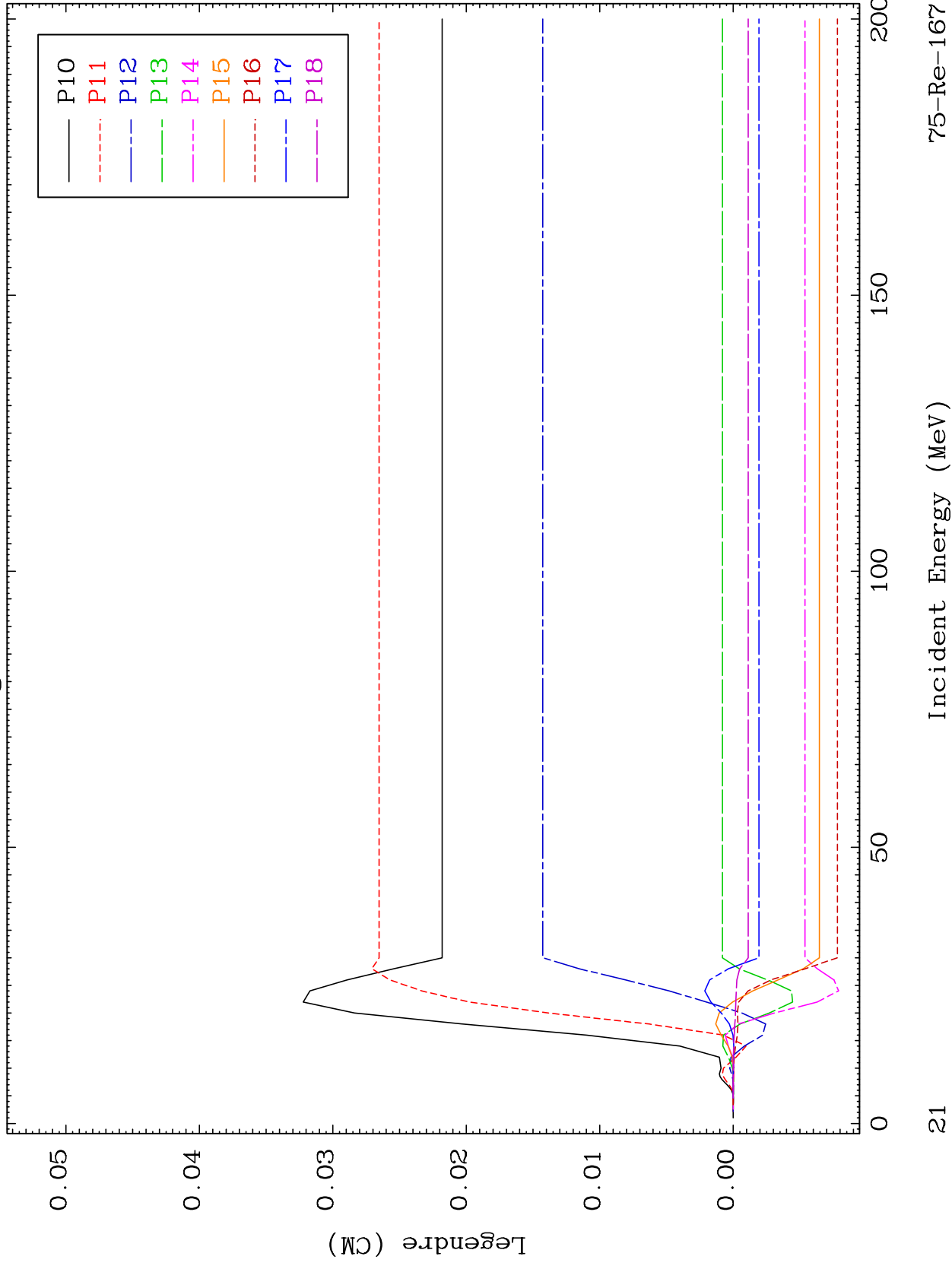
Incident Energy (MeV)

20

MAT 7471

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

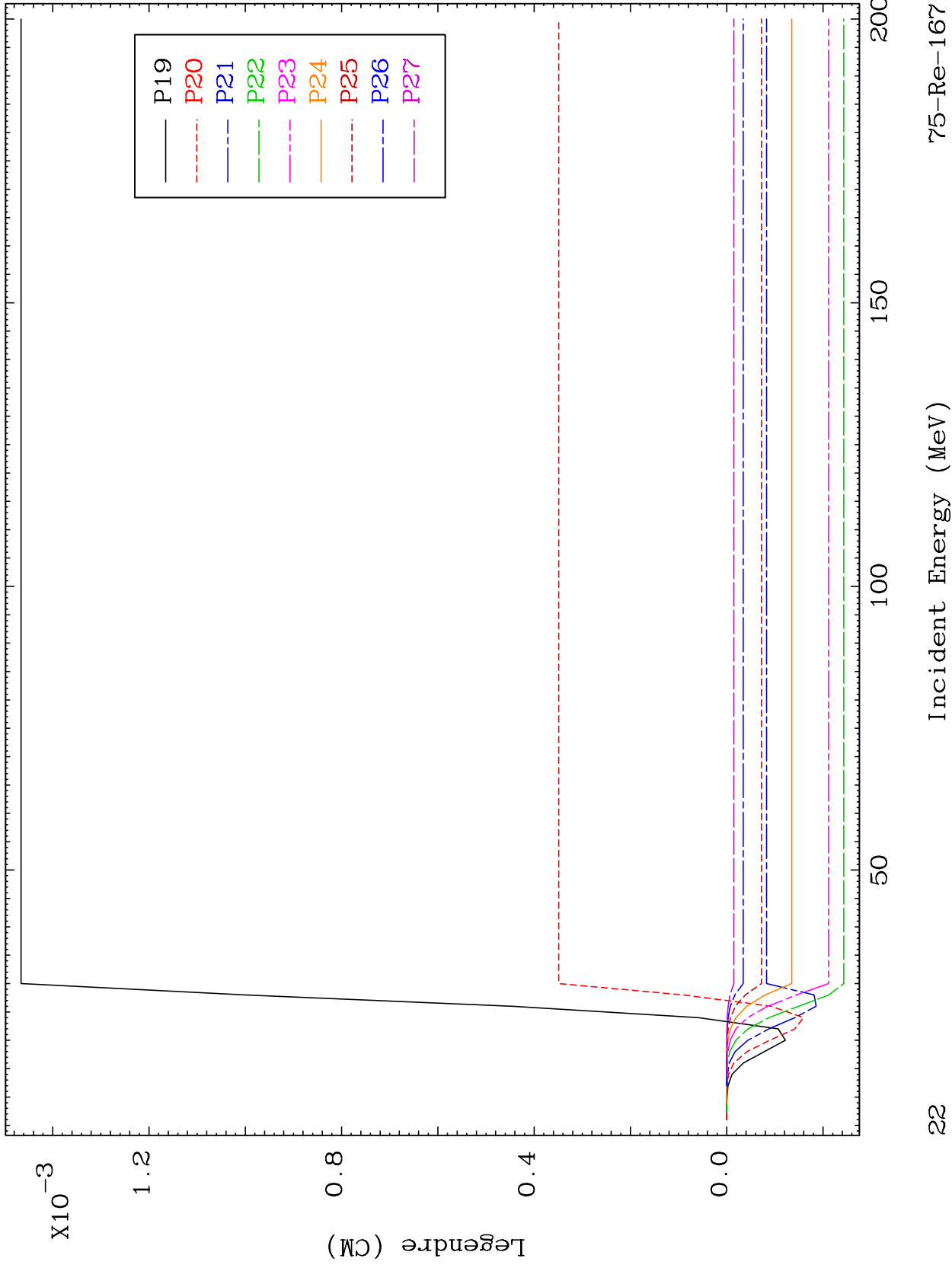
75-Re-167



21

Incident Energy (MeV)

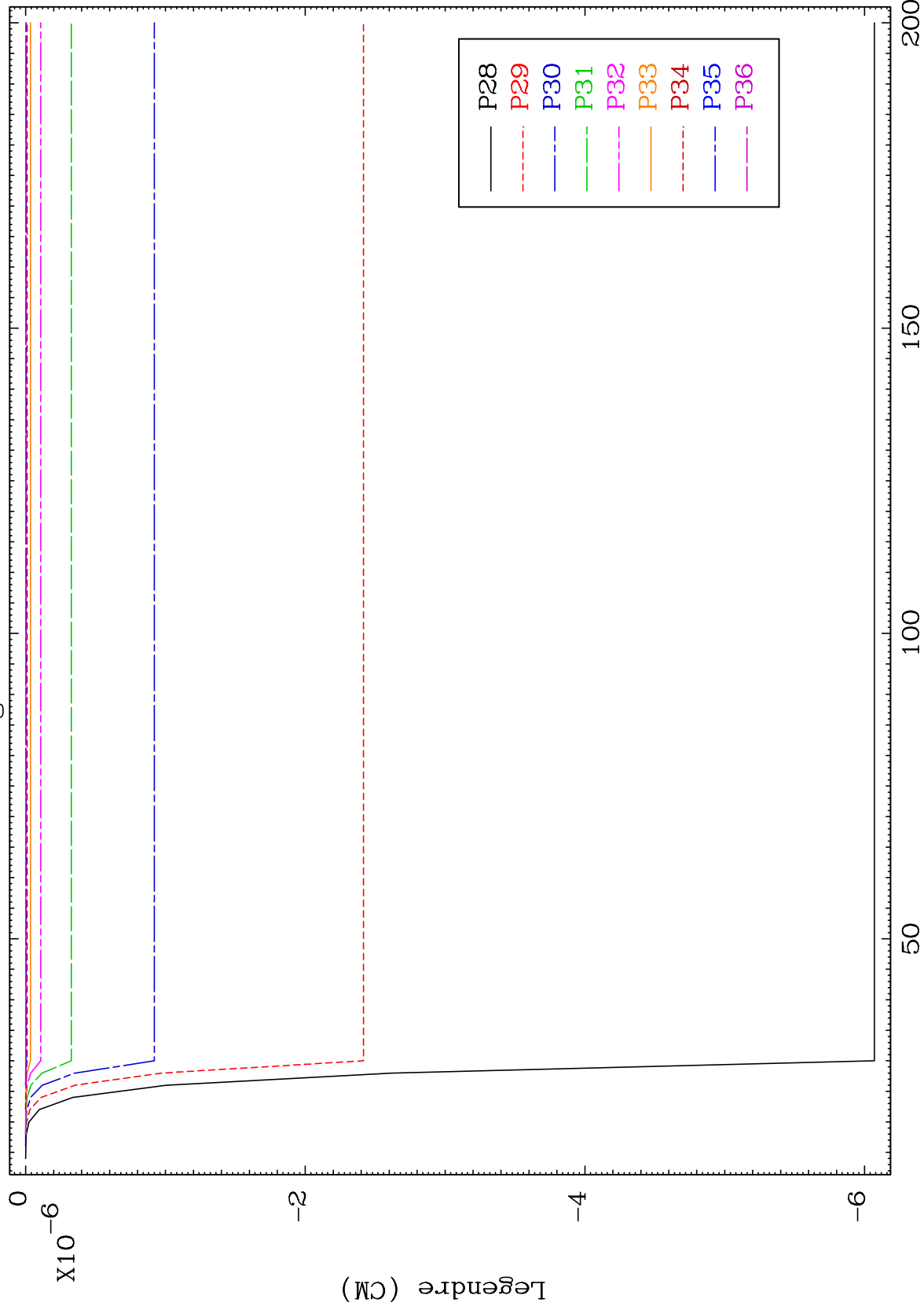
75-Re-167



MAT 7471

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

75-Re-167



75-Re-167

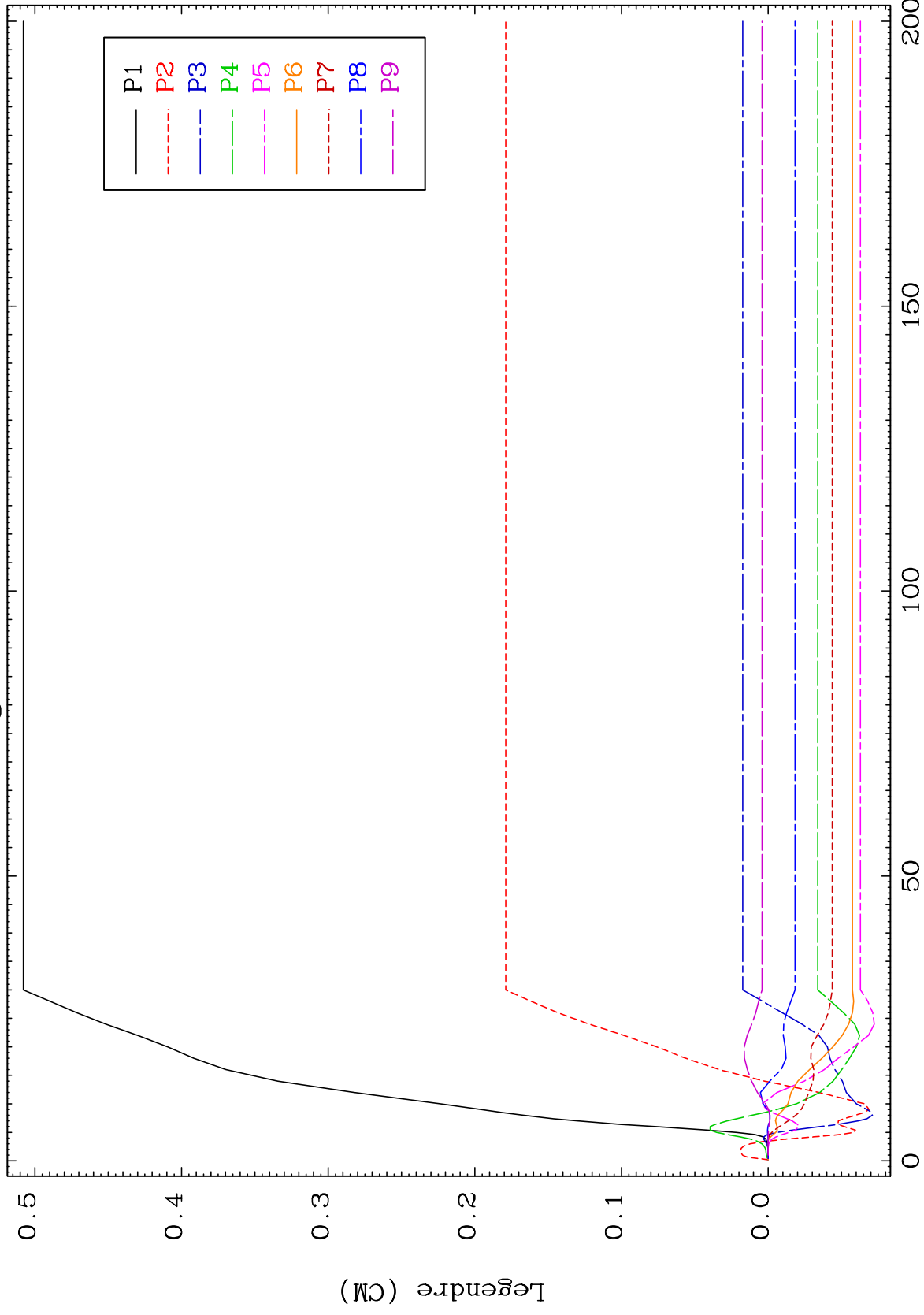
Incident Energy (MeV)

23

MAT 7471

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

75-Re-167



24

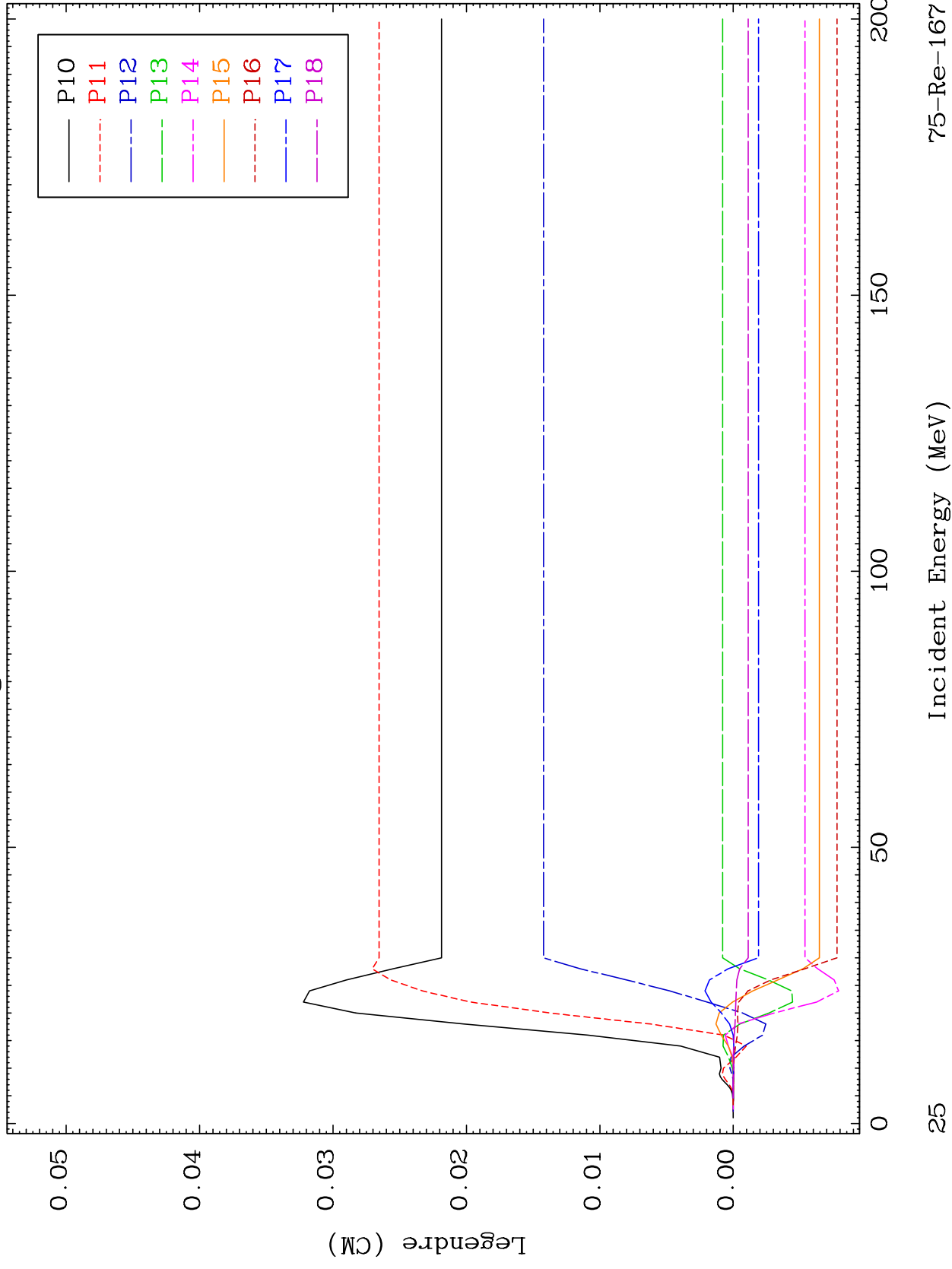
Incident Energy (MeV)

75-Re-167

MAT 7471

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

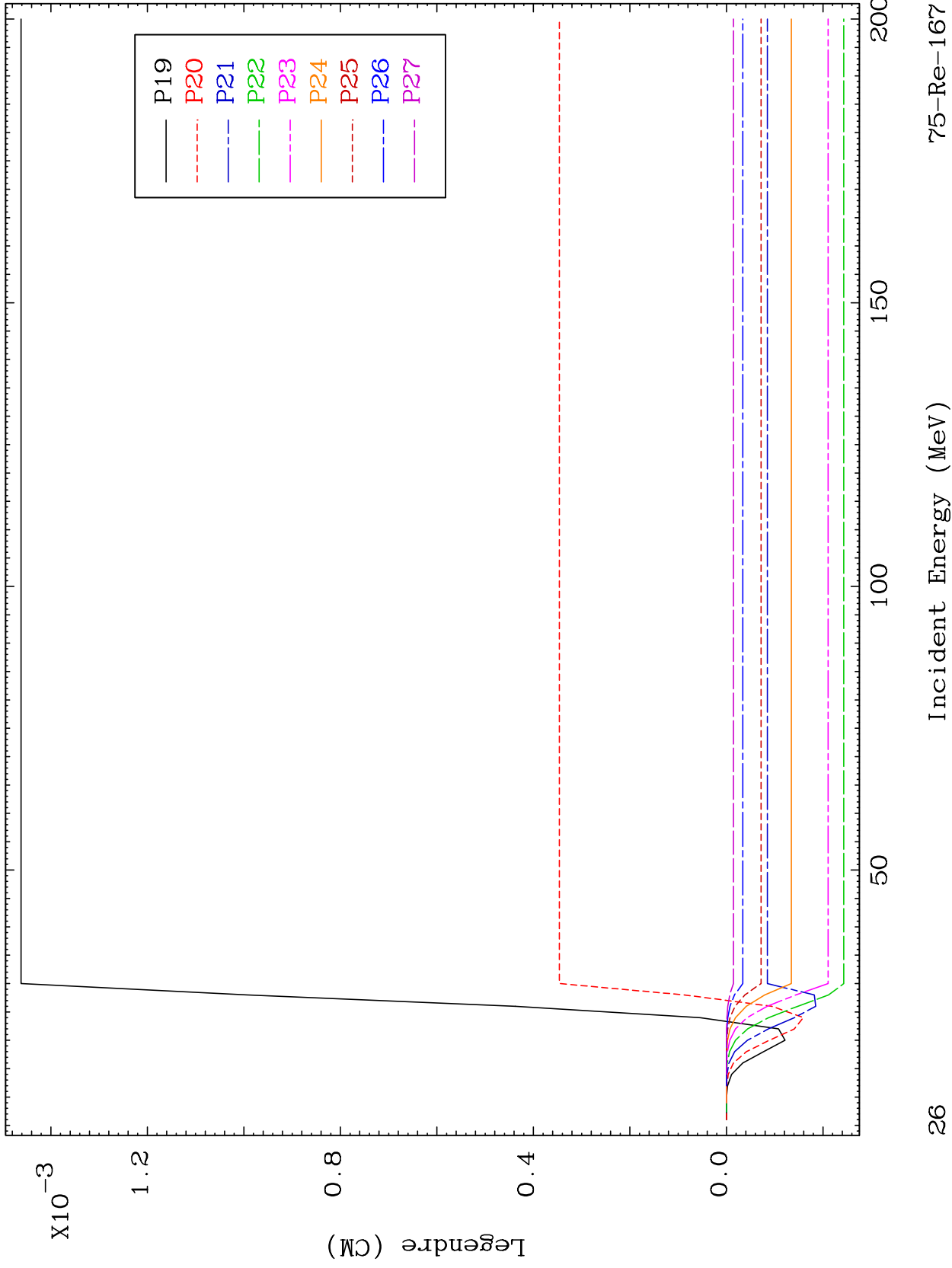
75-Re-167



75-Re-167

Incident Energy (MeV)

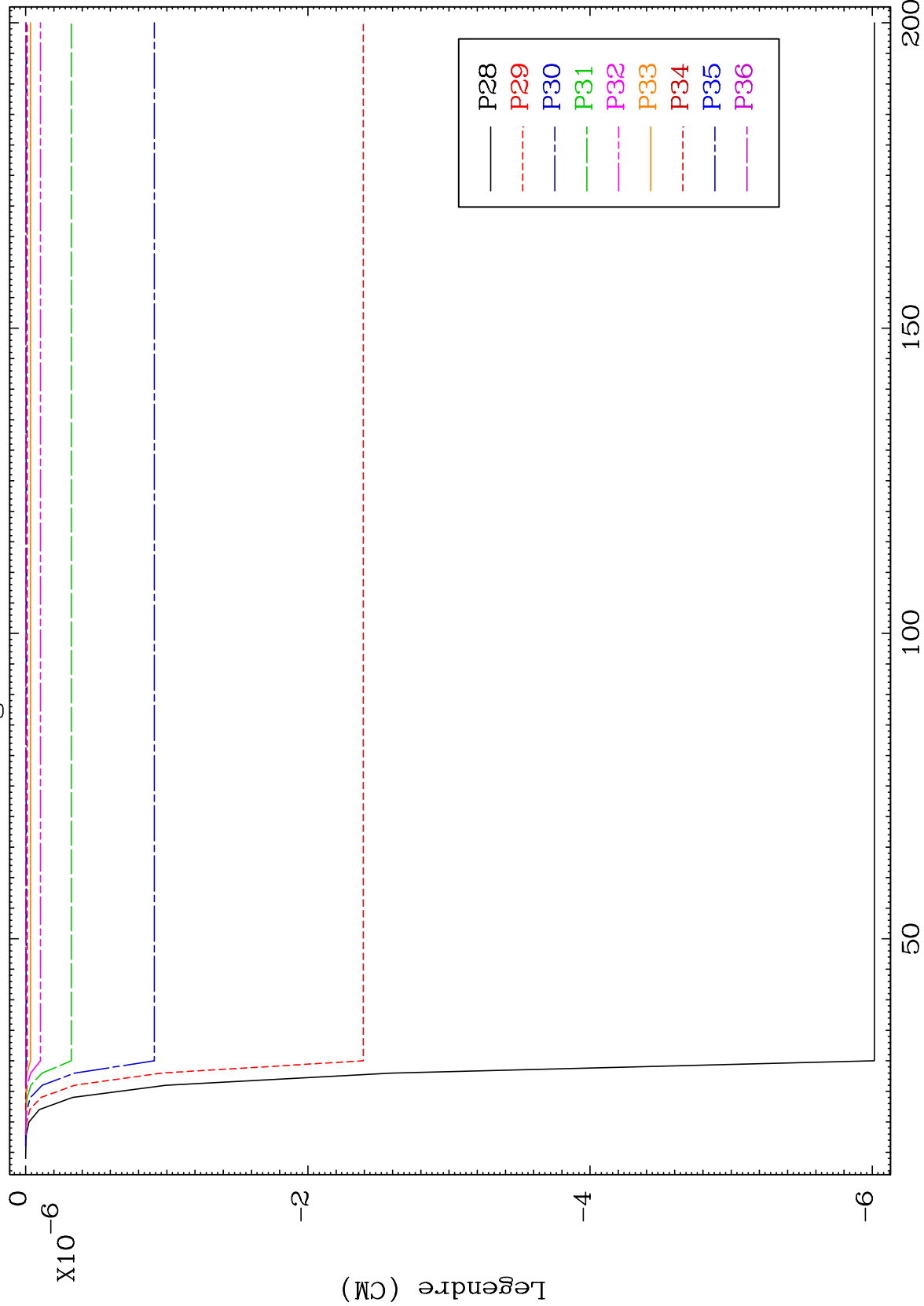
25



MAT 7471

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

75-Re-167



75-Re-167

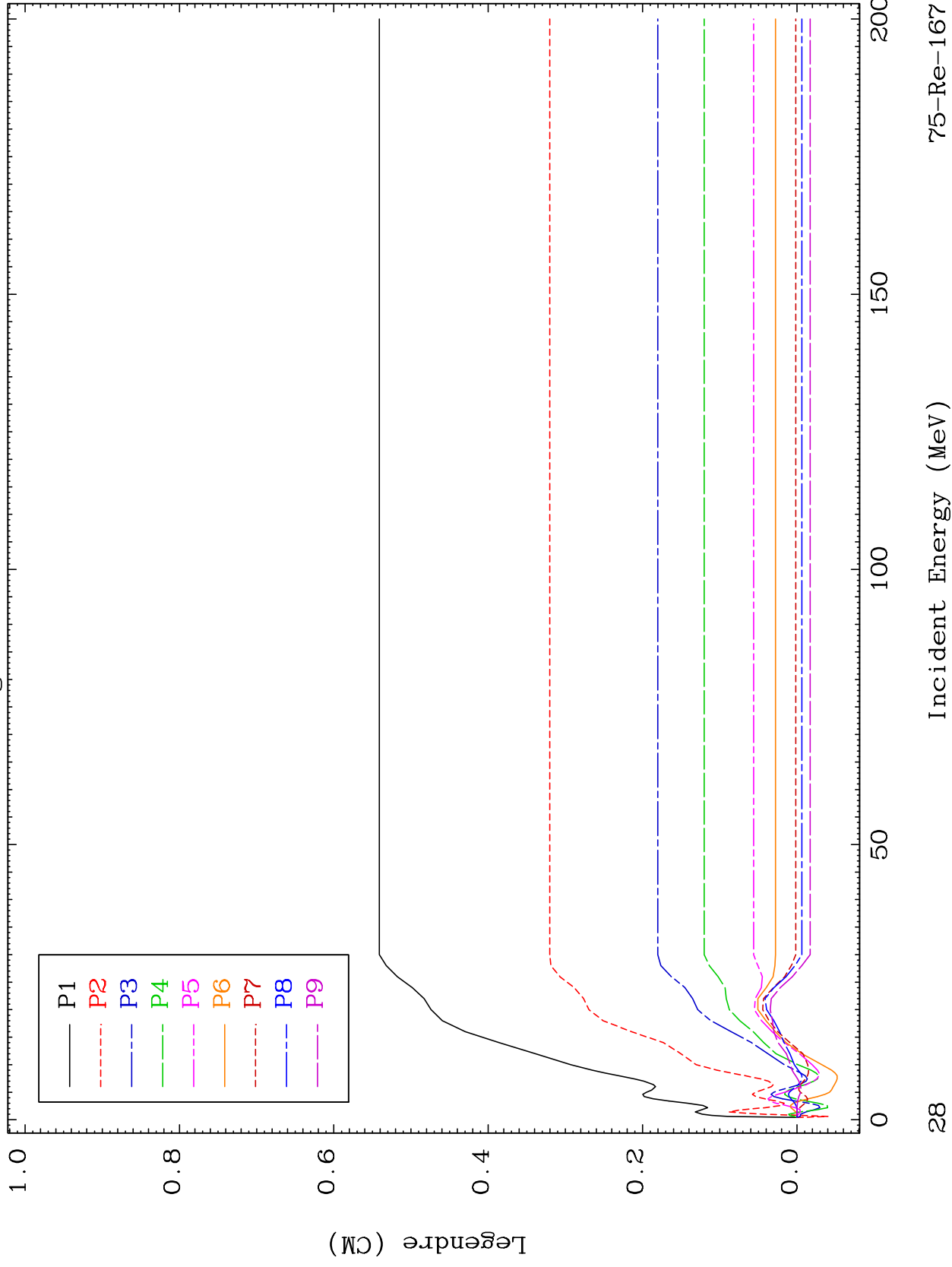
Incident Energy (MeV)

27

MAT 7471

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

75-Re-167



75-Re-167

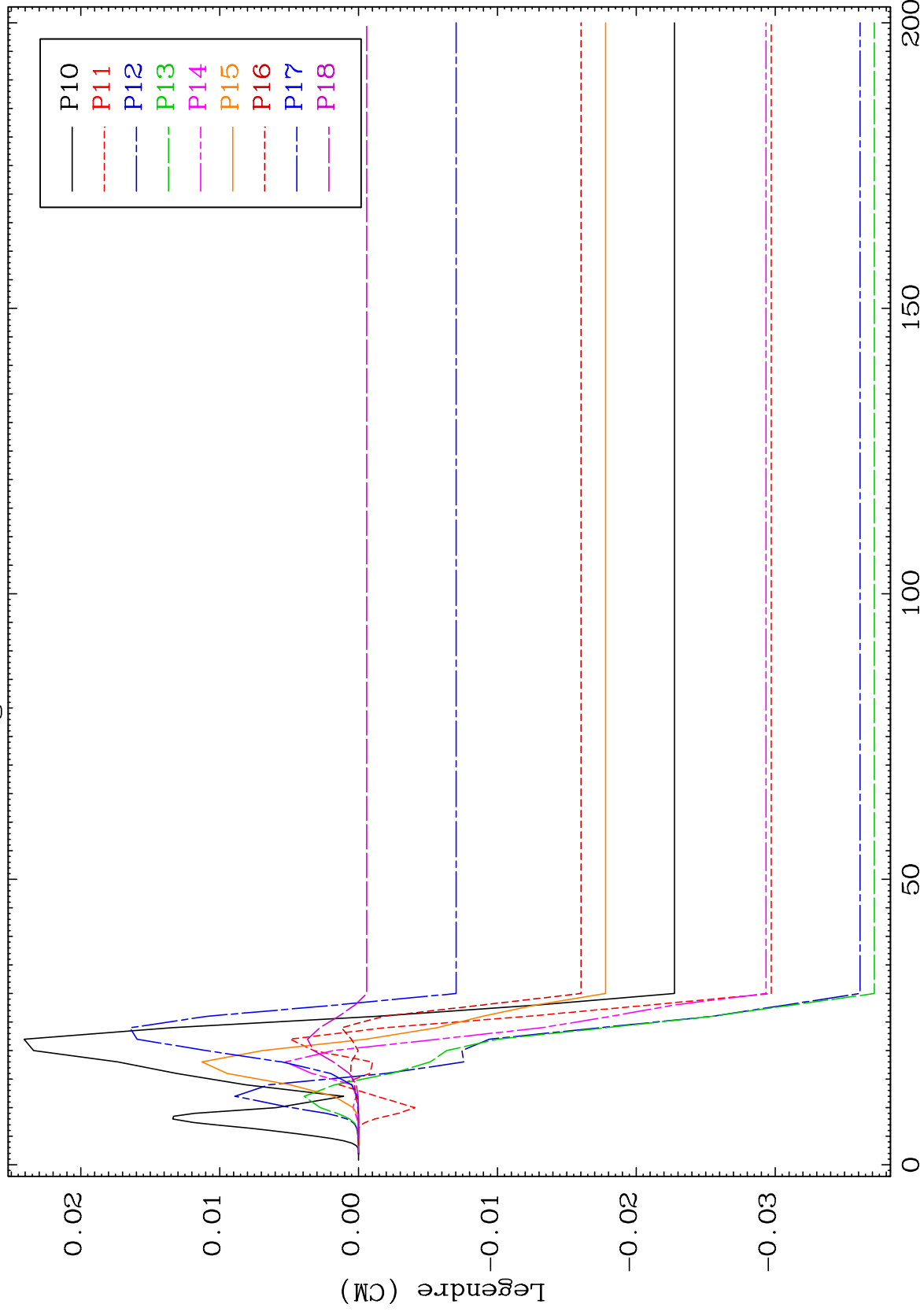
Incident Energy (MeV)

28

MAT 7471

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

75-Re-167



29

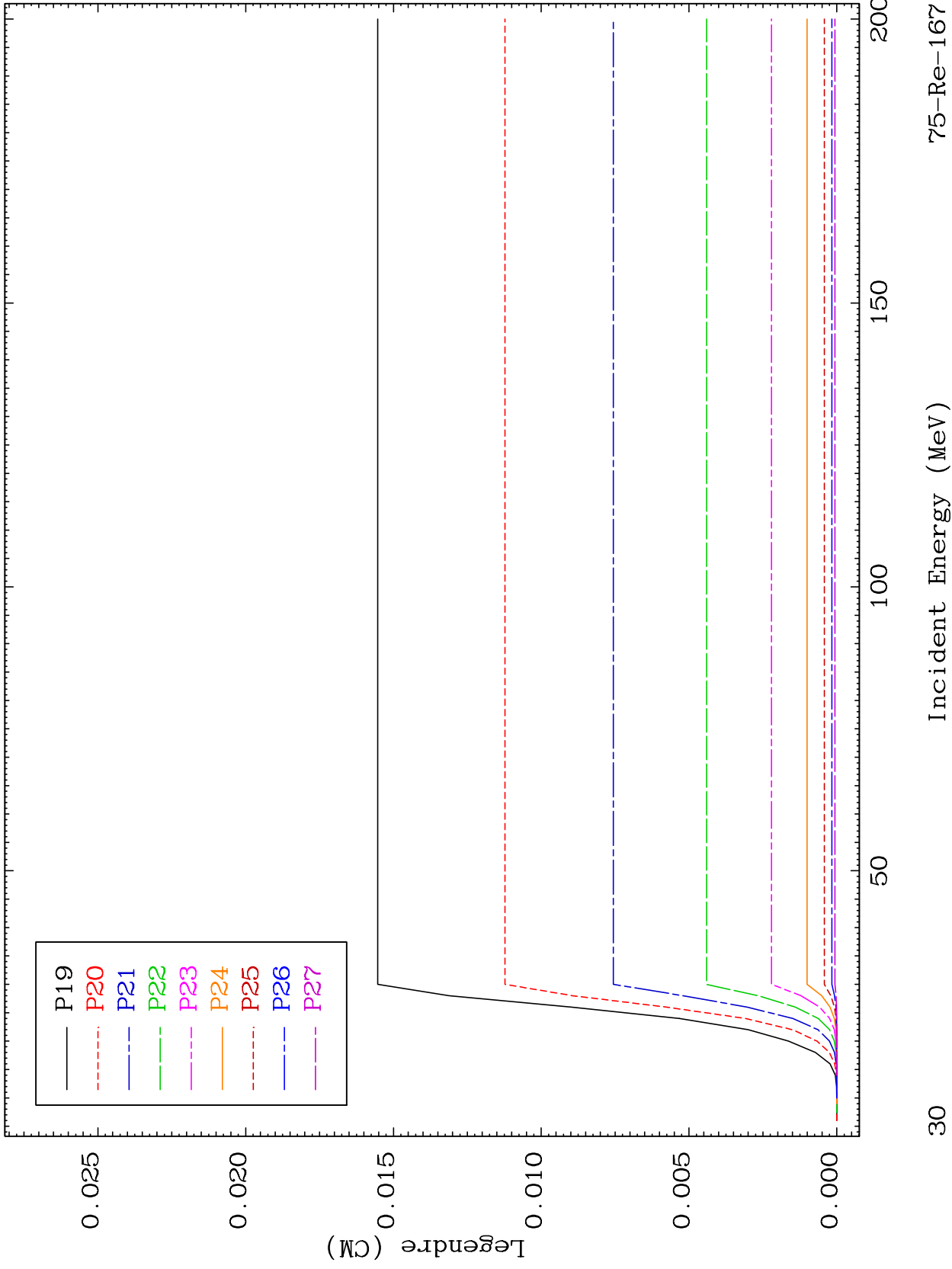
Incident Energy (MeV)

75-Re-167

MAT 7471

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

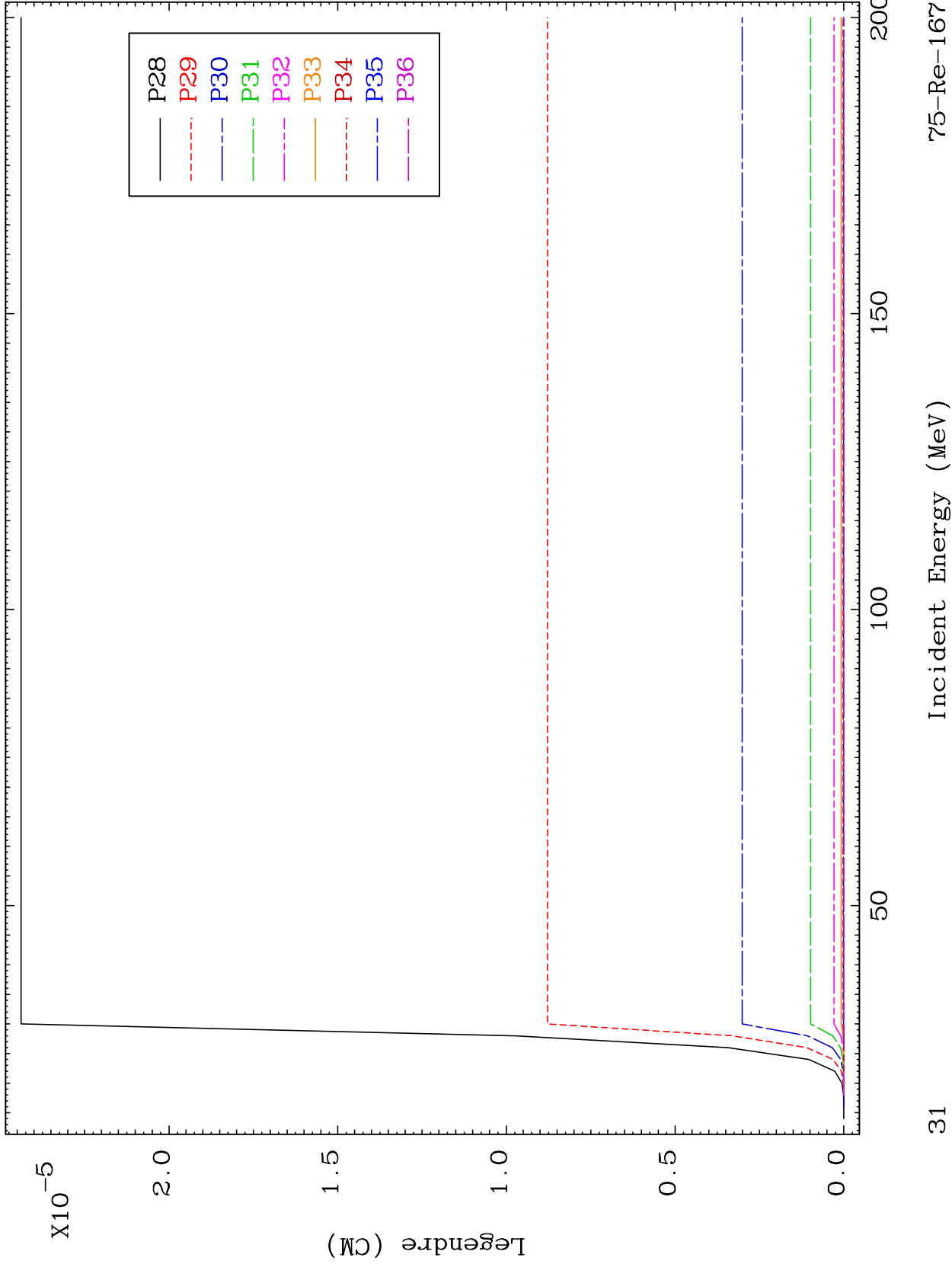
75-Re-167



30

Incident Energy (MeV)

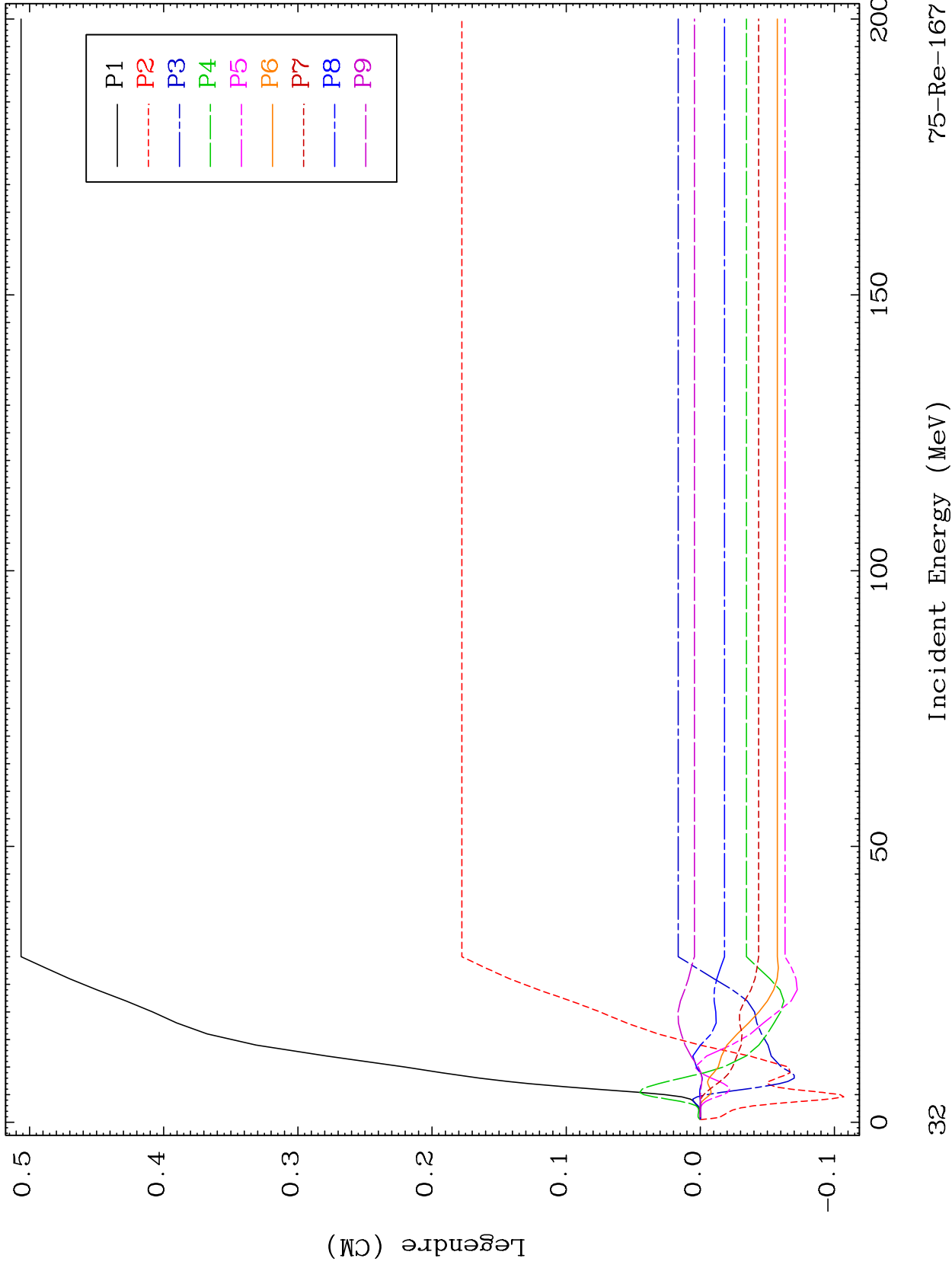
75-Re-167



MAT 7471

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

75-Re-167



75-Re-167

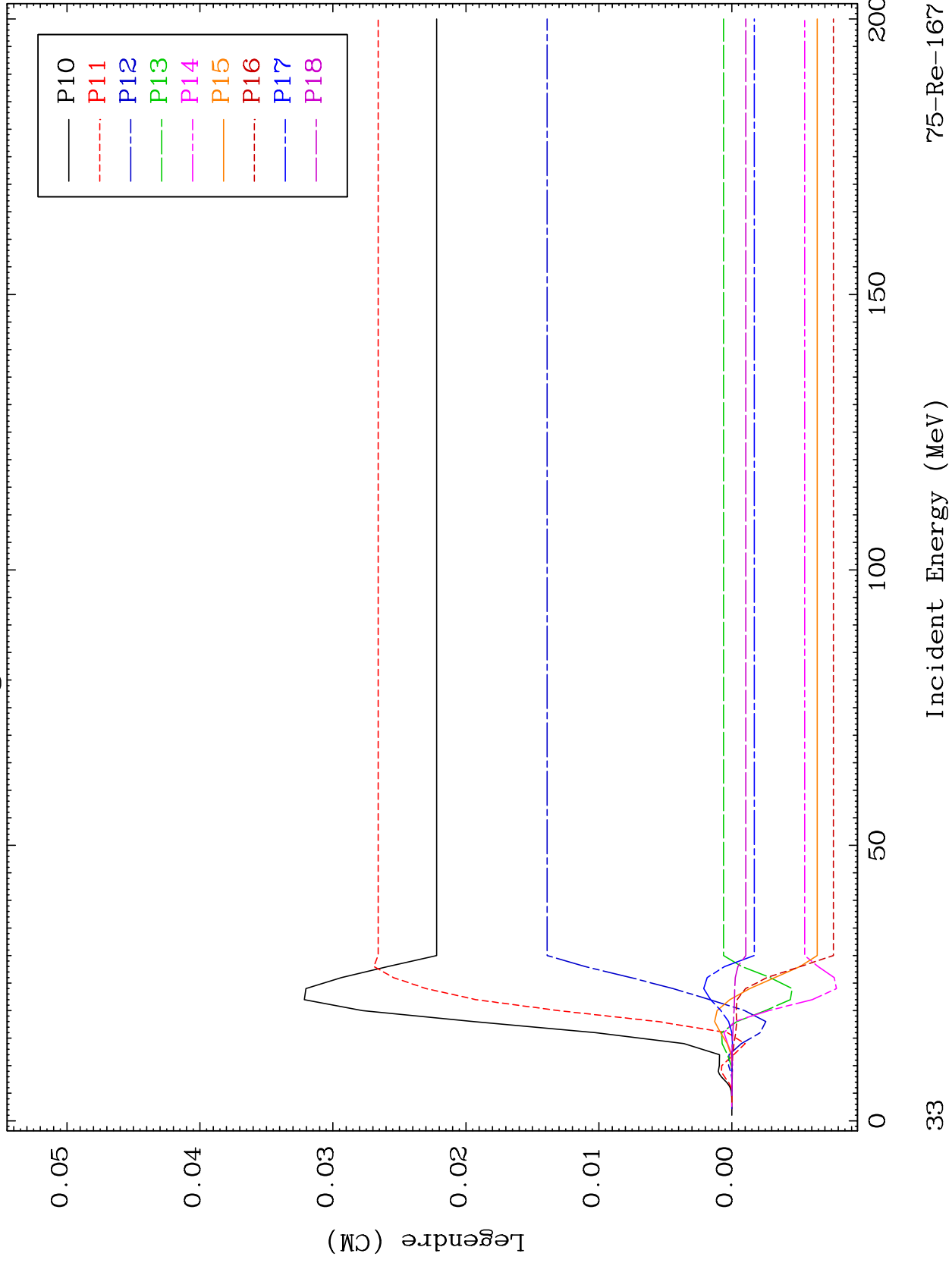
Incident Energy (MeV)

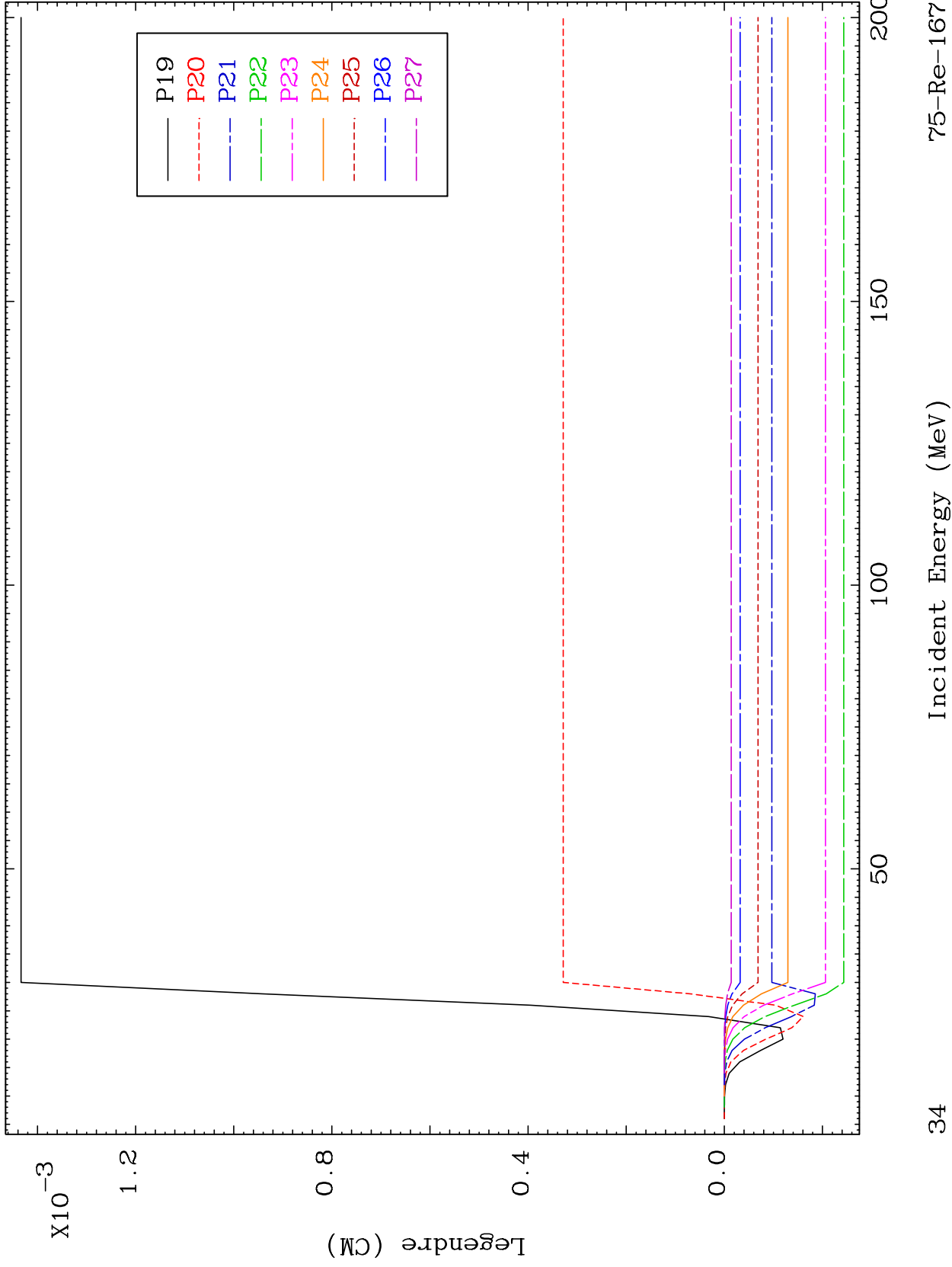
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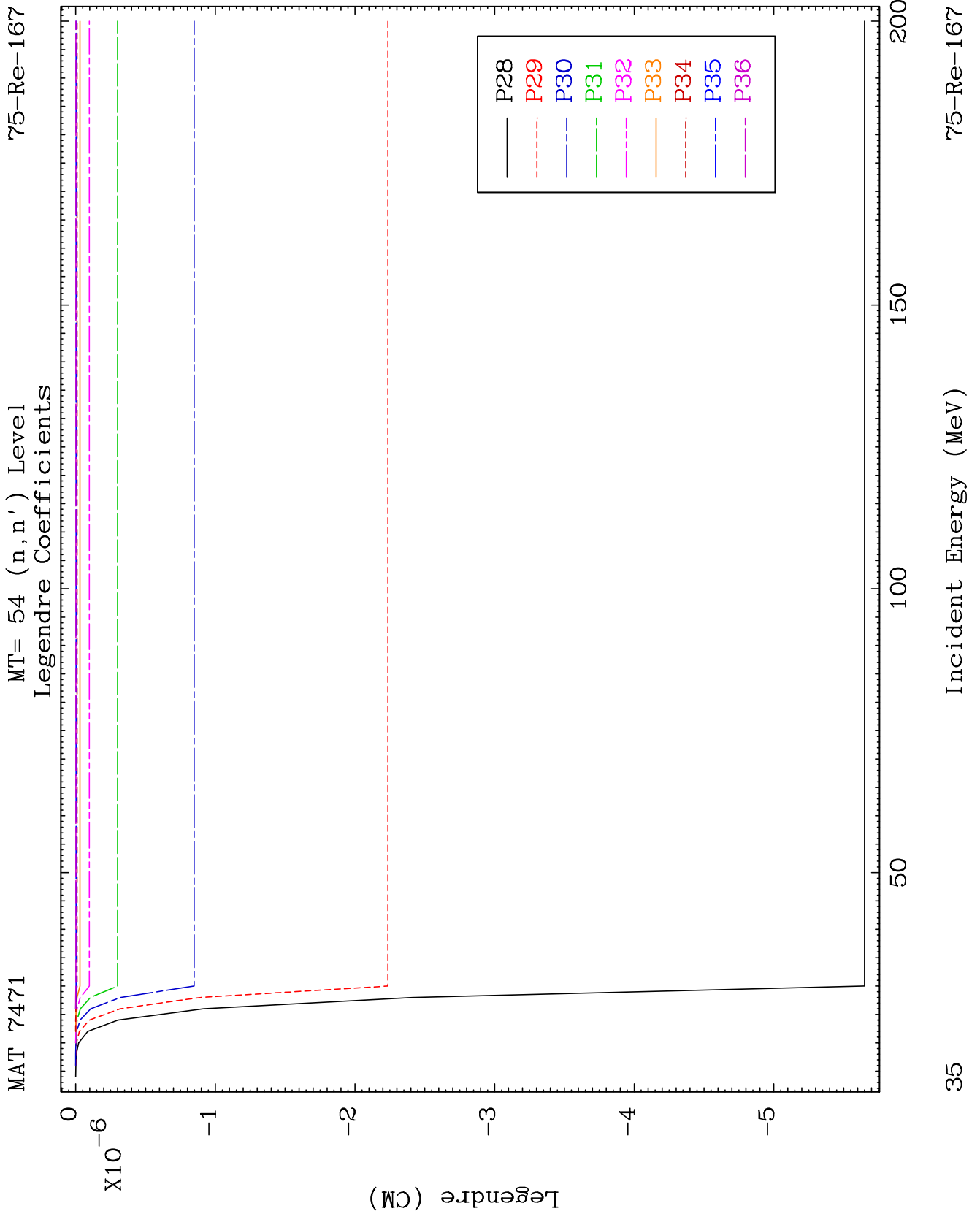
MAT 7471

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

75-Re-167



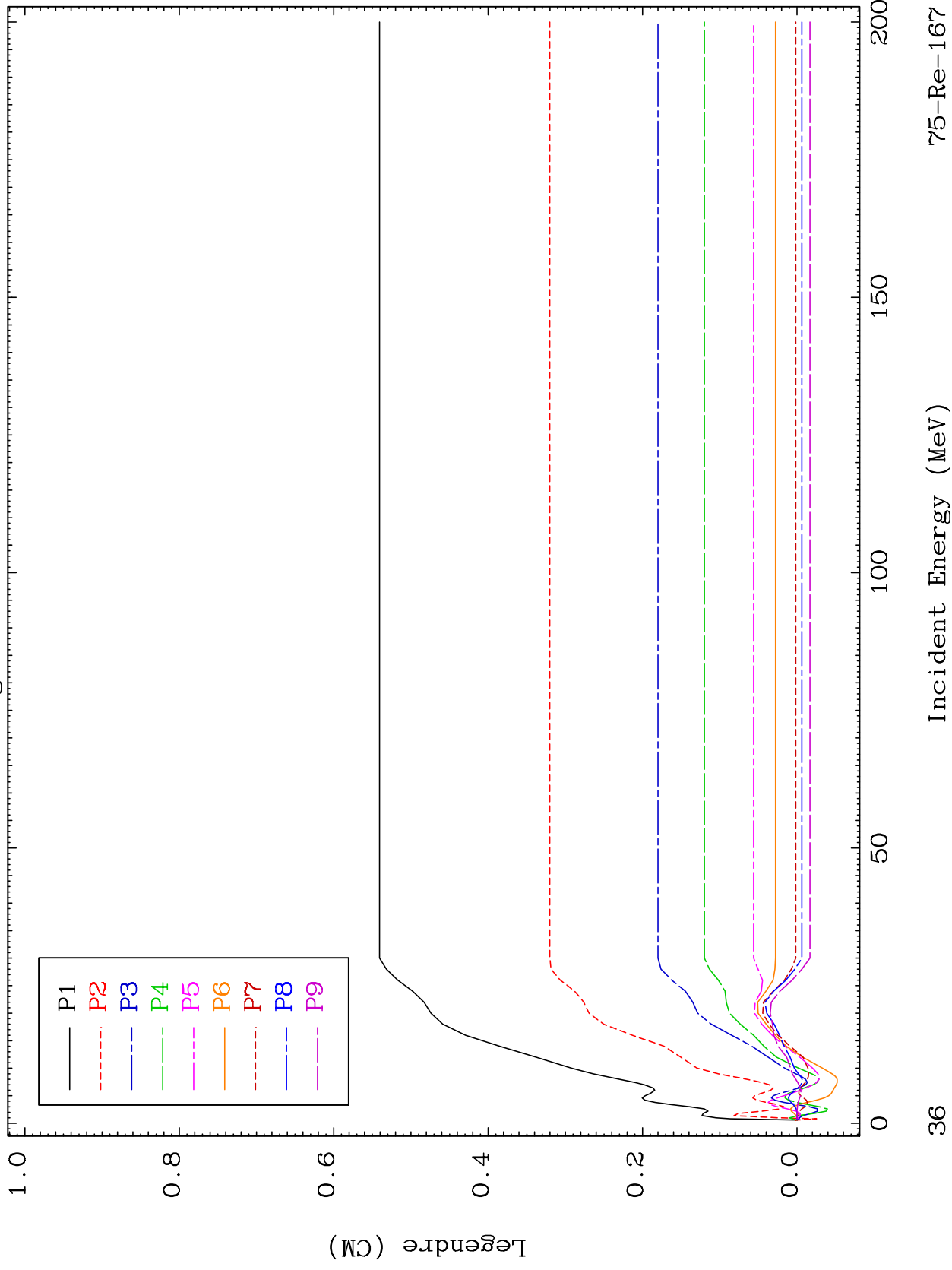




MAT 7471

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

75-Re-167



36

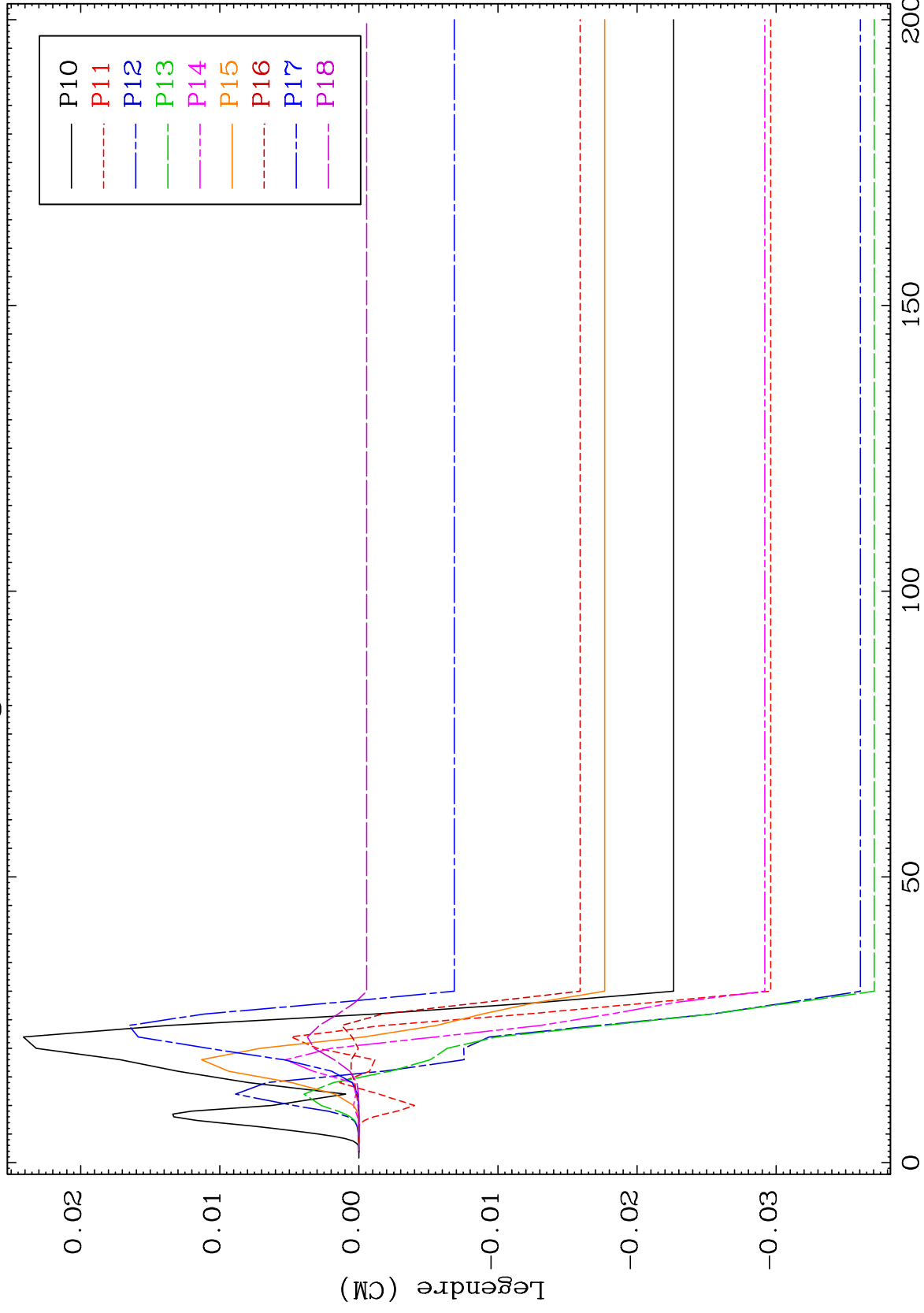
Incident Energy (MeV)

75-Re-167

MAT 7471

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

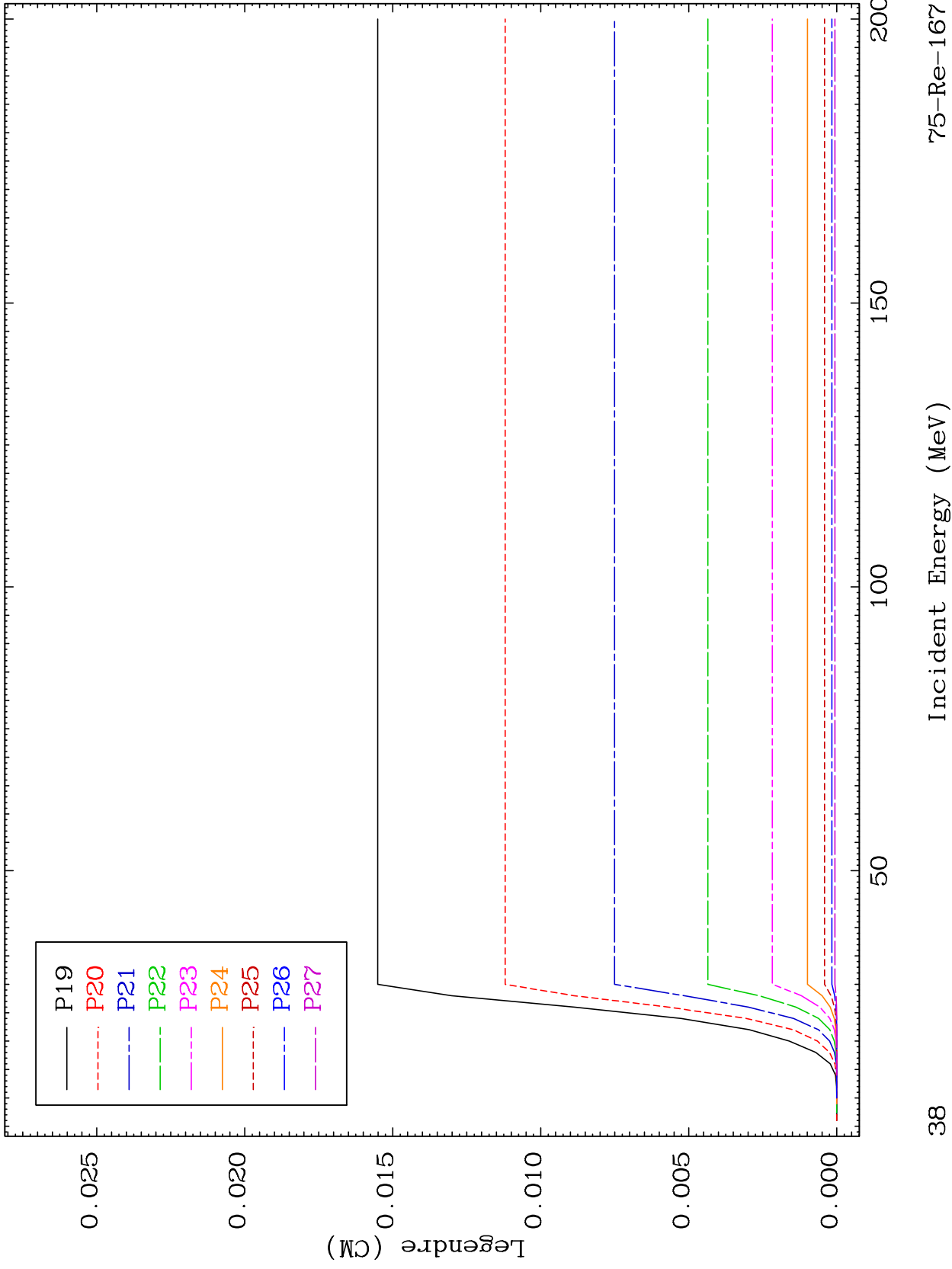
75-Re-167



37

Incident Energy (MeV)

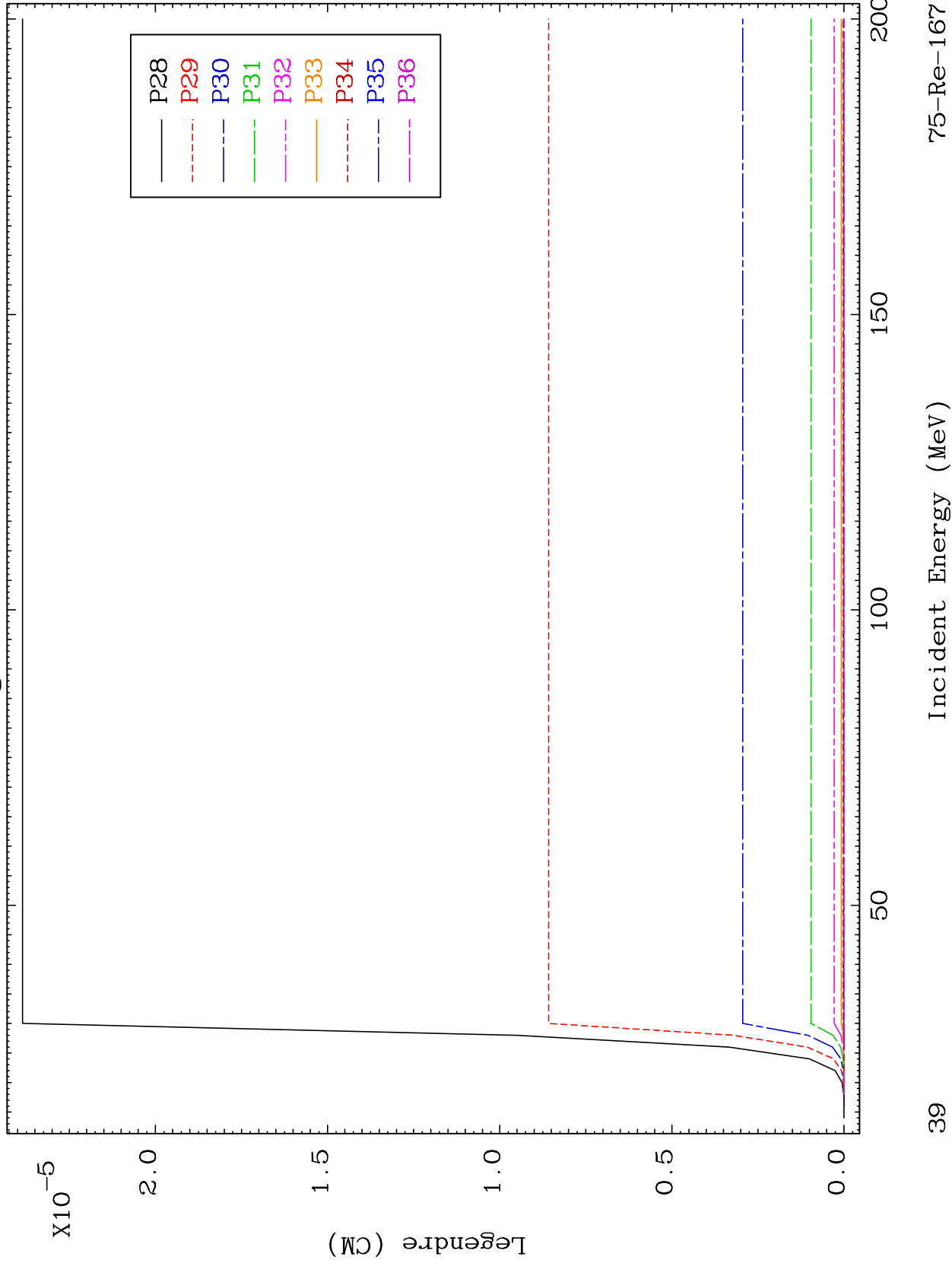
75-Re-167



MAT 7471

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

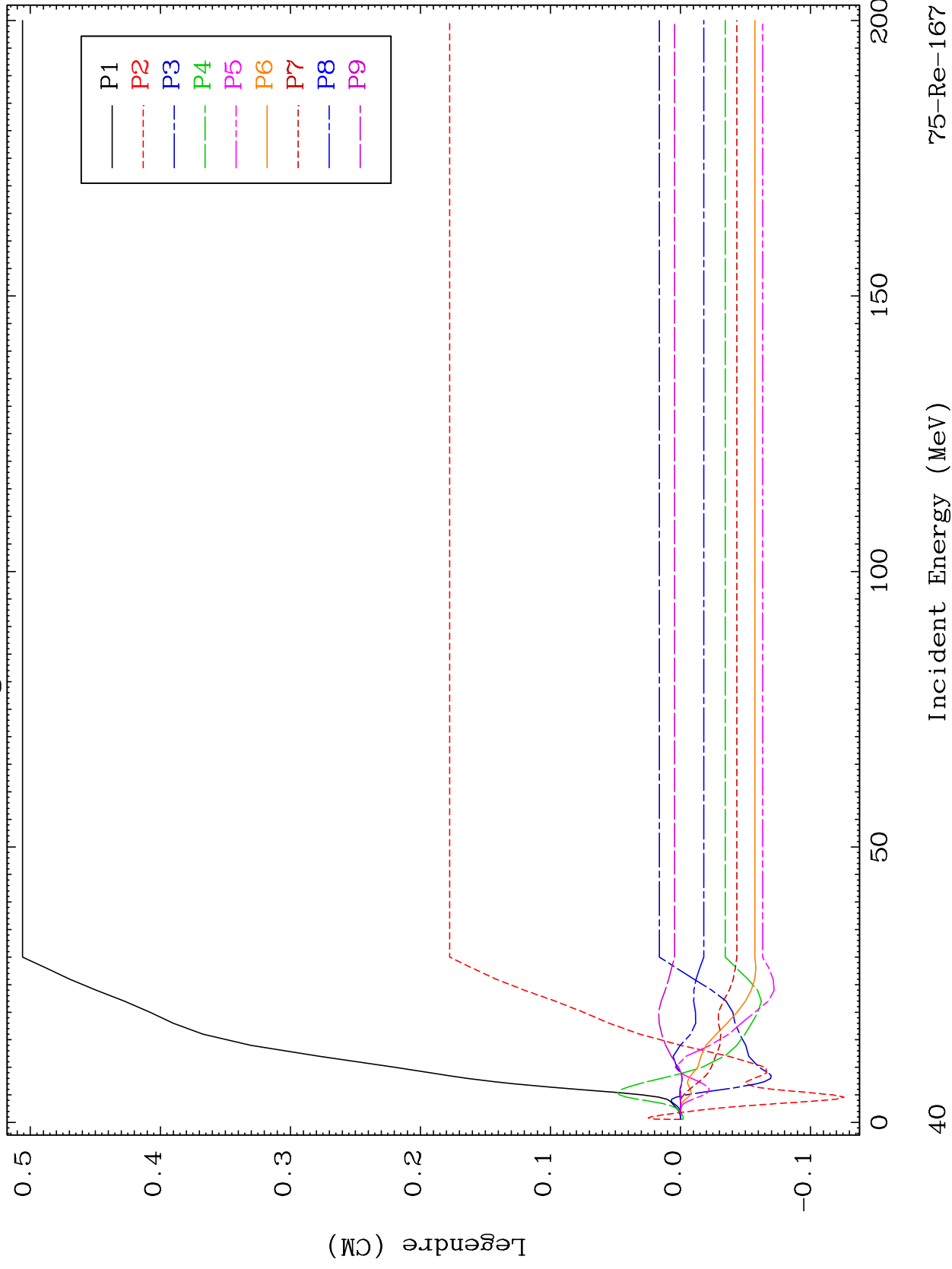
75-Re-167



MAT 7471

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

75-Re-167



75-Re-167

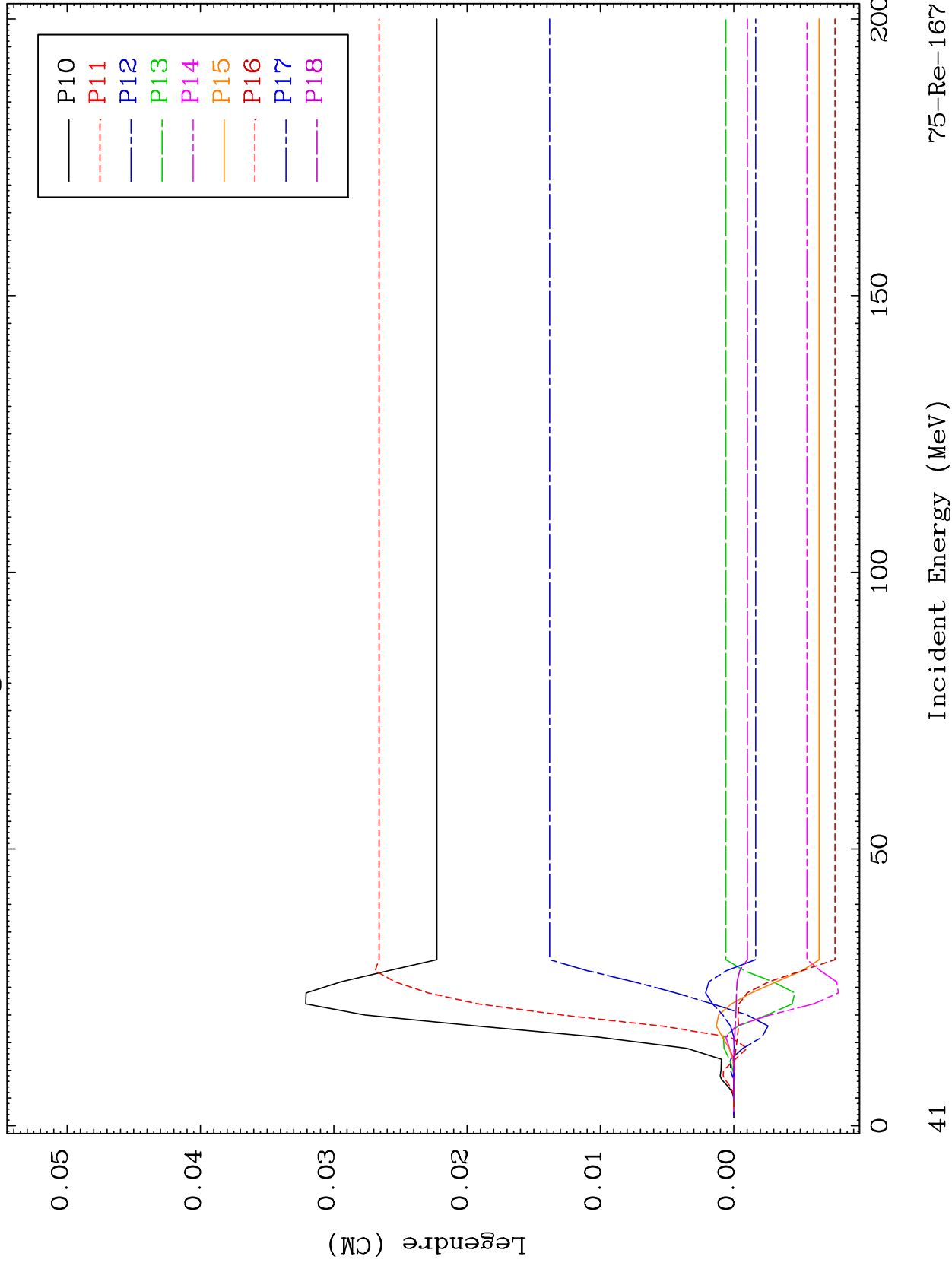
Incident Energy (MeV)

40

MAT 7471

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

75-Re-167



41

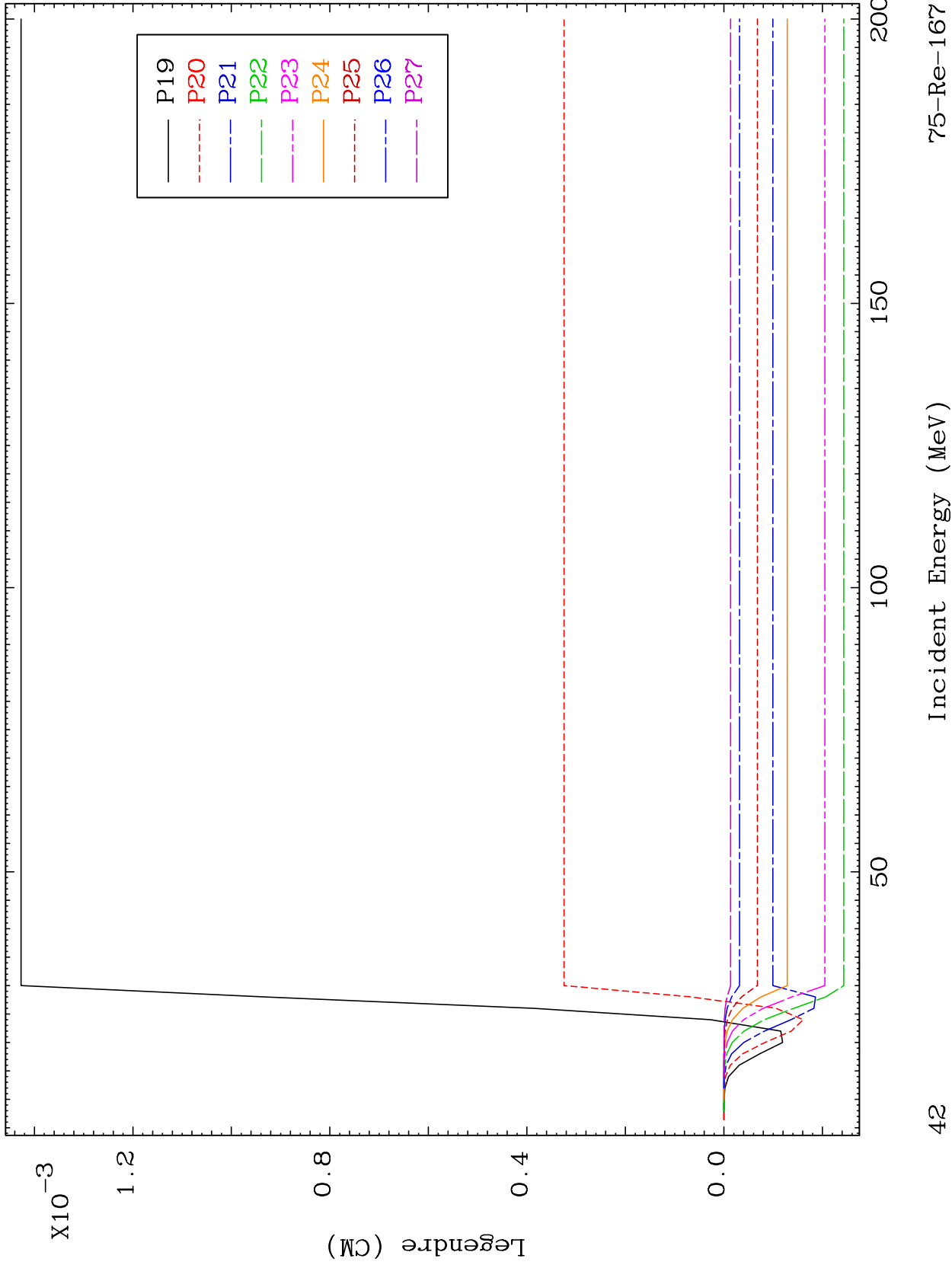
Incident Energy (MeV)

75-Re-167

MAT 7471

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

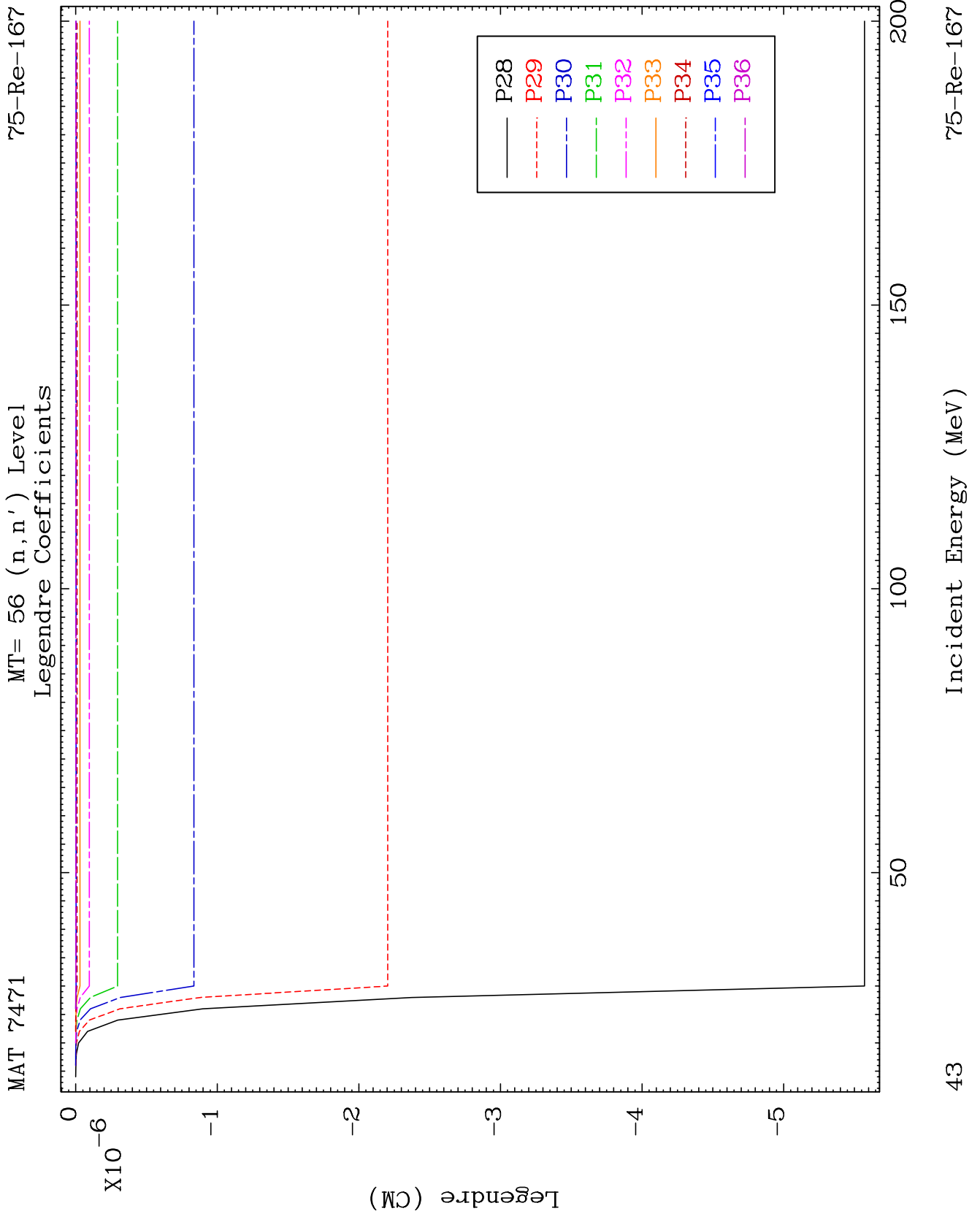
75-Re-167



42

Incident Energy (MeV)

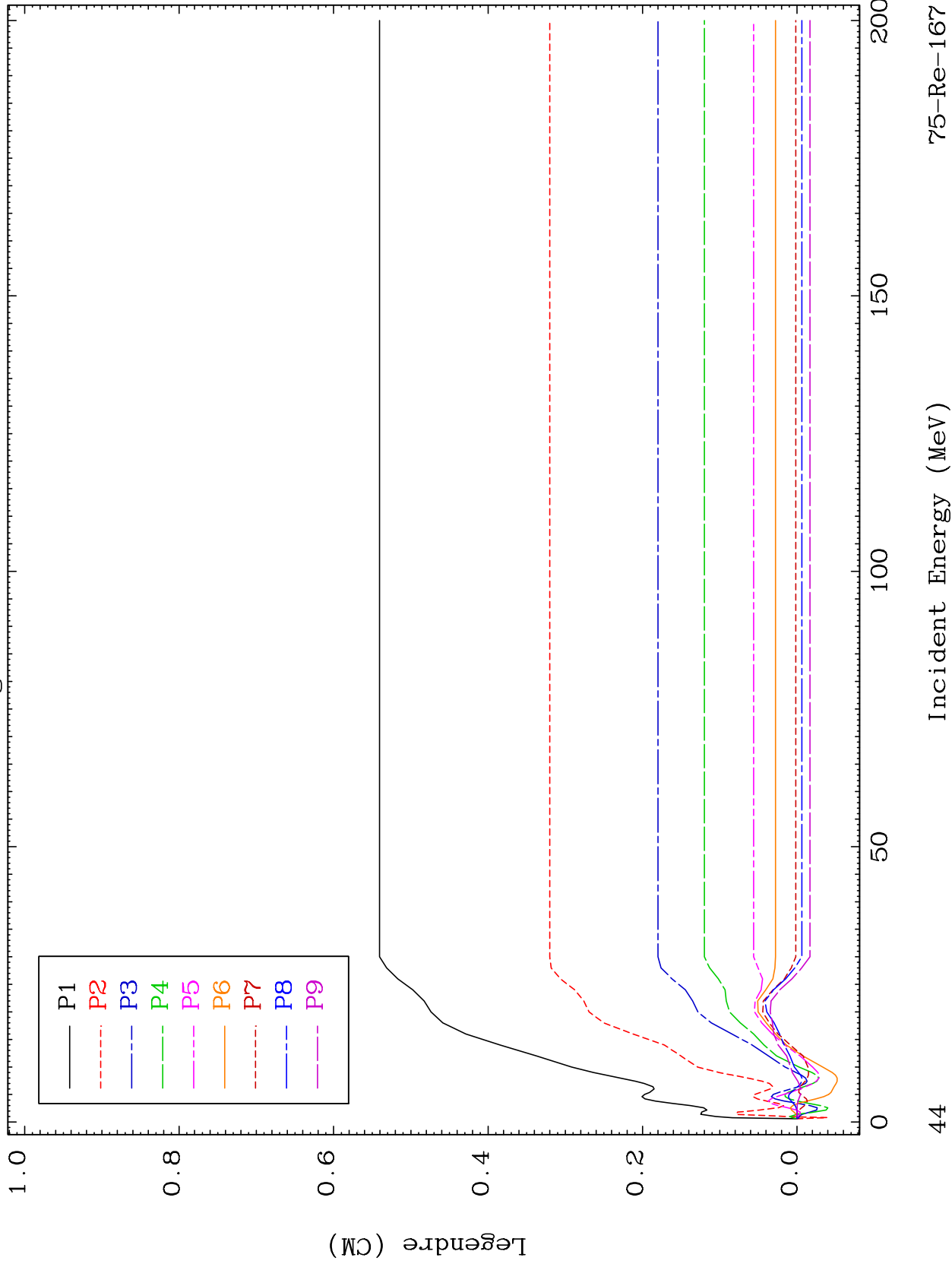
75-Re-167



MAT 7471

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

75-Re-167

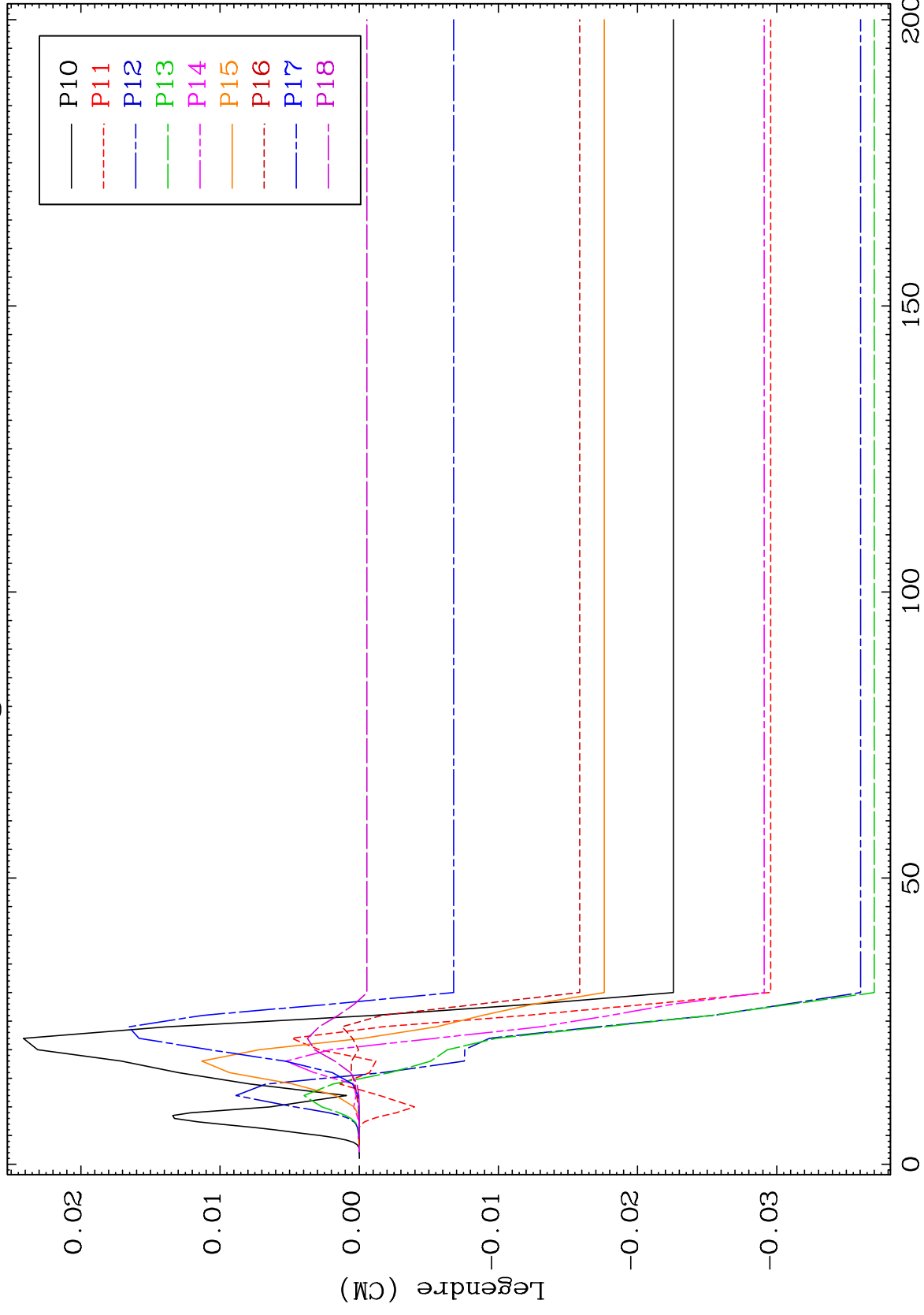


44

MAT 7471

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

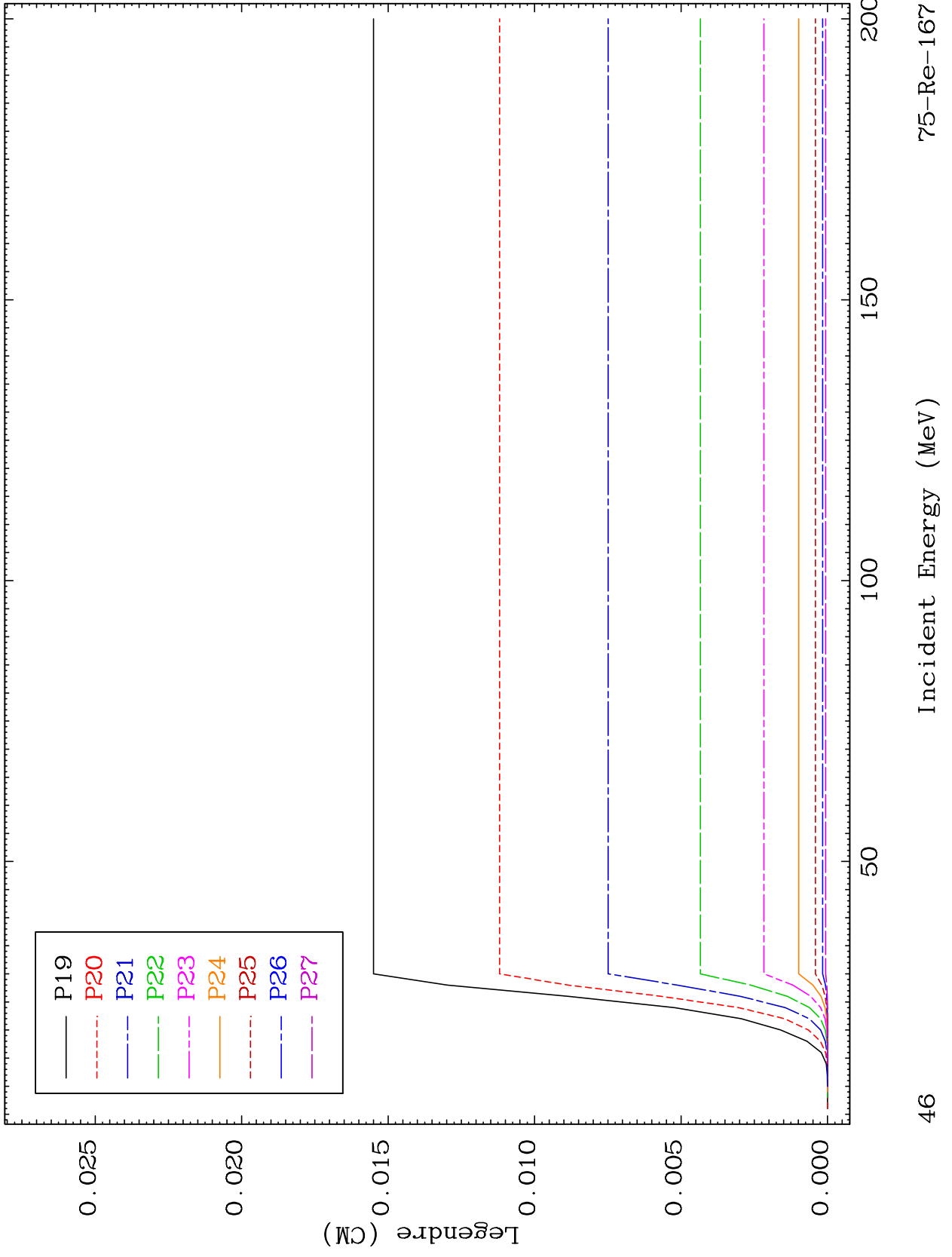
75-Re-167



45

Incident Energy (MeV)

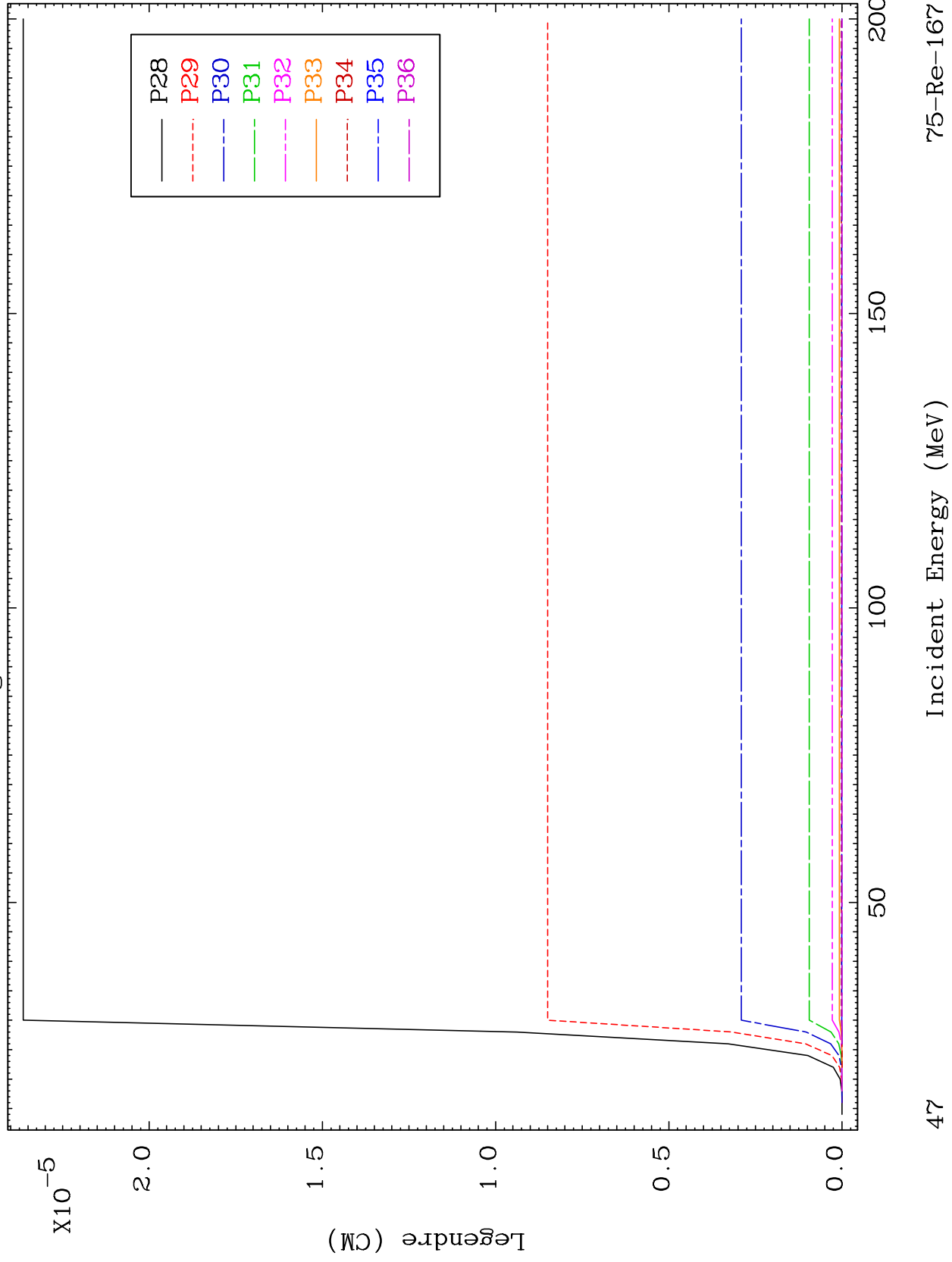
75-Re-167



MAT 7471

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

75-Re-167



47

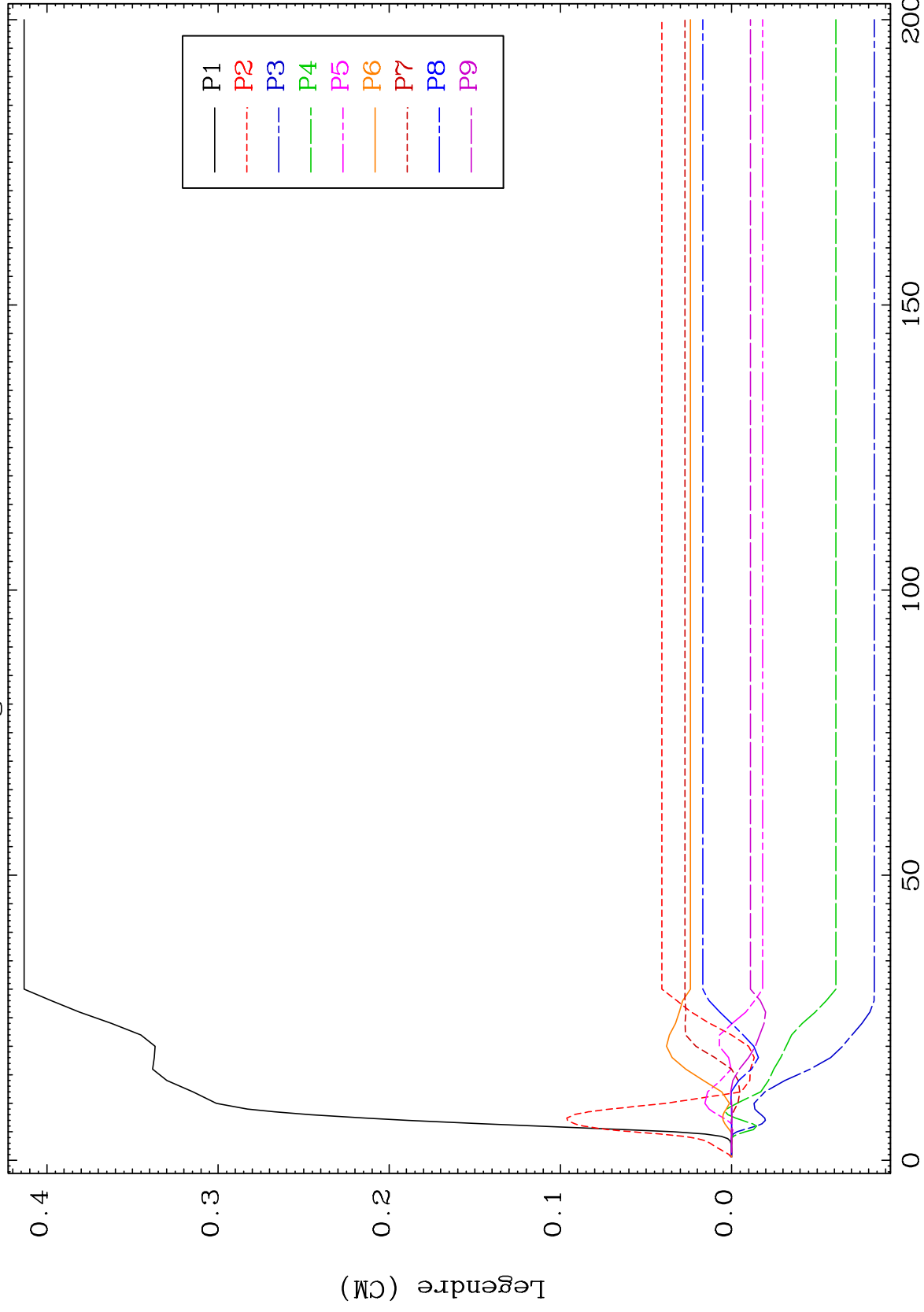
Incident Energy (MeV)

75-Re-167

MAT 7471

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

75-Re-167



48

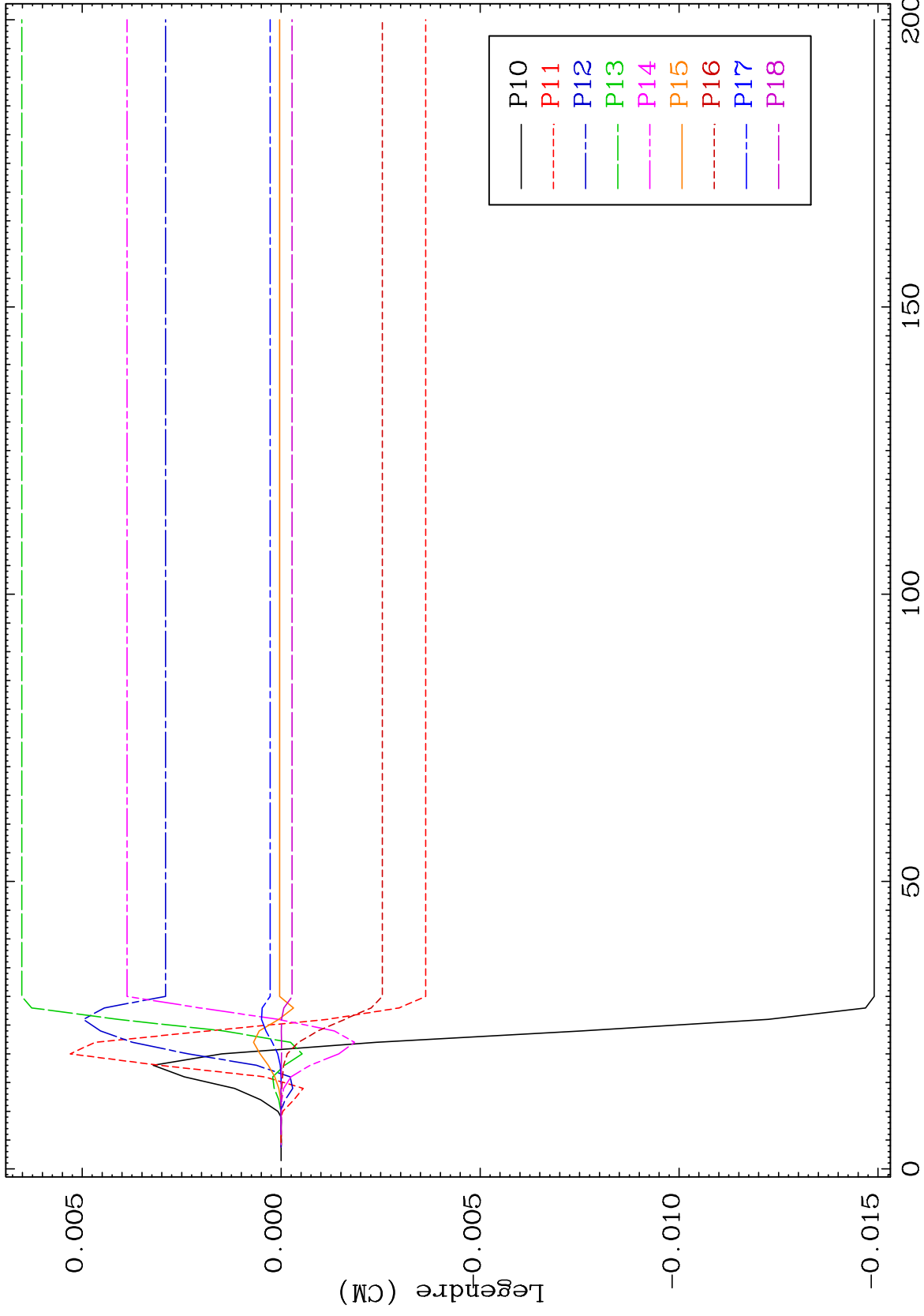
Incident Energy (MeV)

75-Re-167

MAT 7471

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

75-Re-167



49

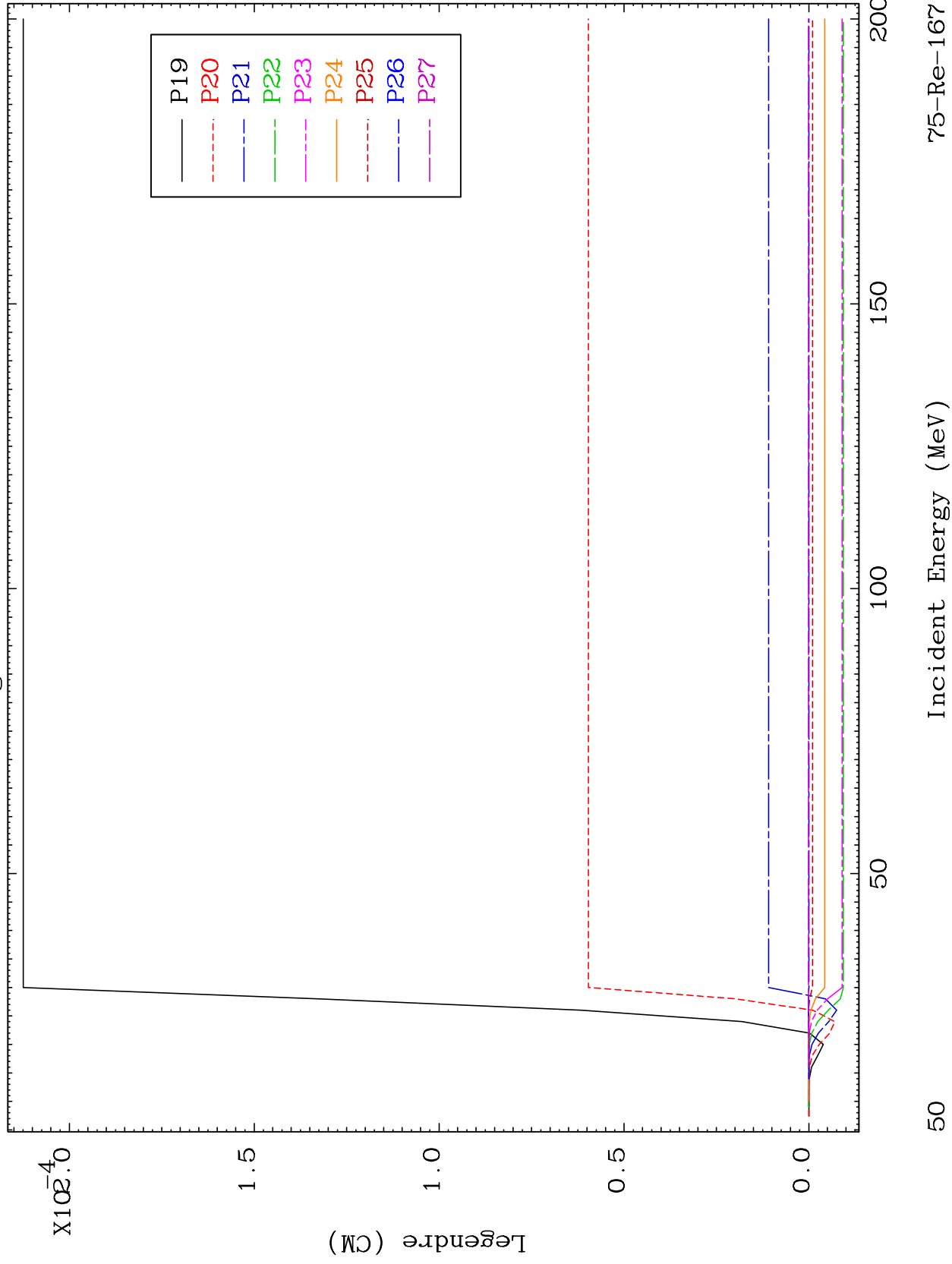
Incident Energy (MeV)

75-Re-167

MAT 7471

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

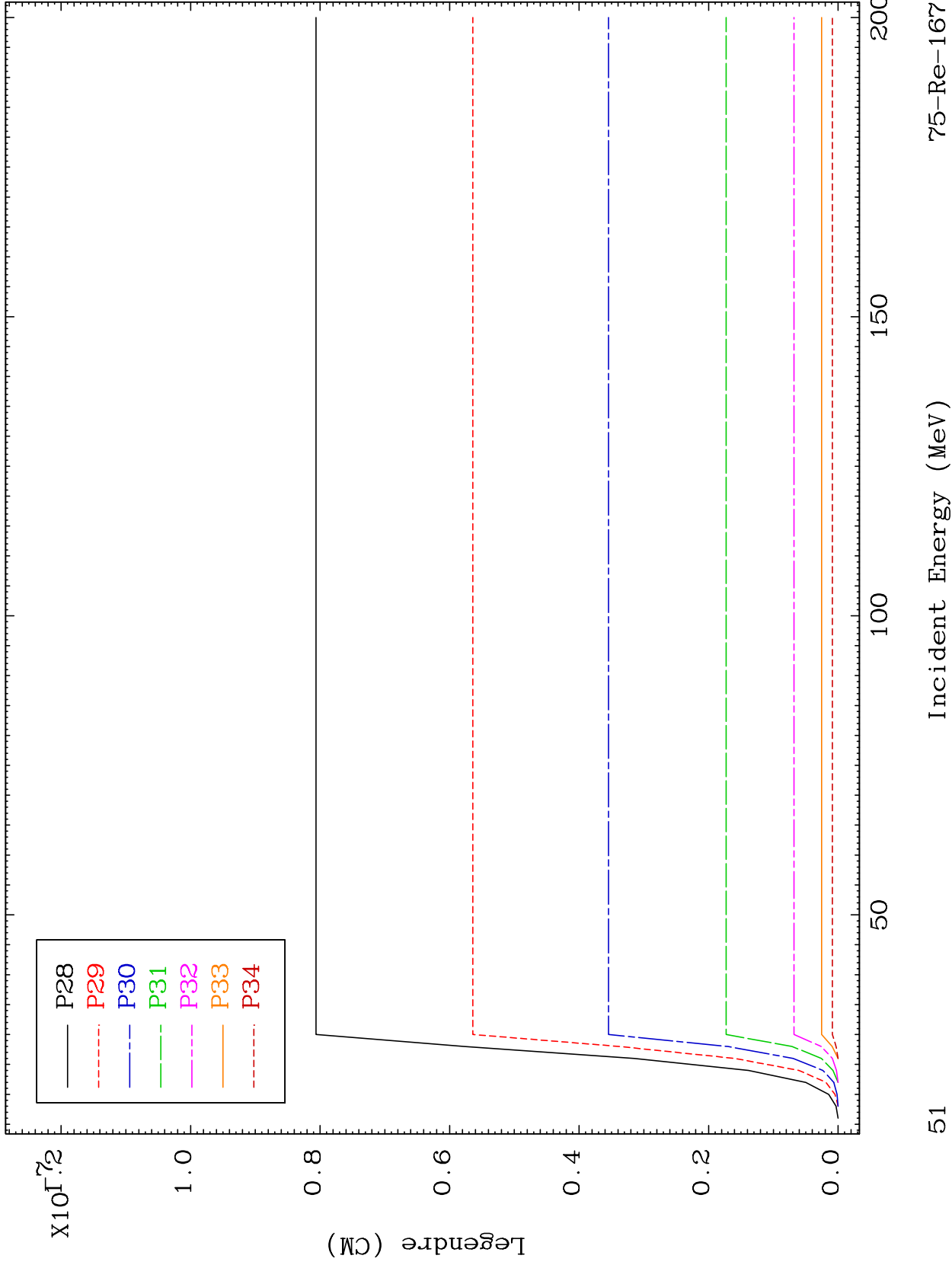
75-Re-167



75-Re-167

Incident Energy (MeV)

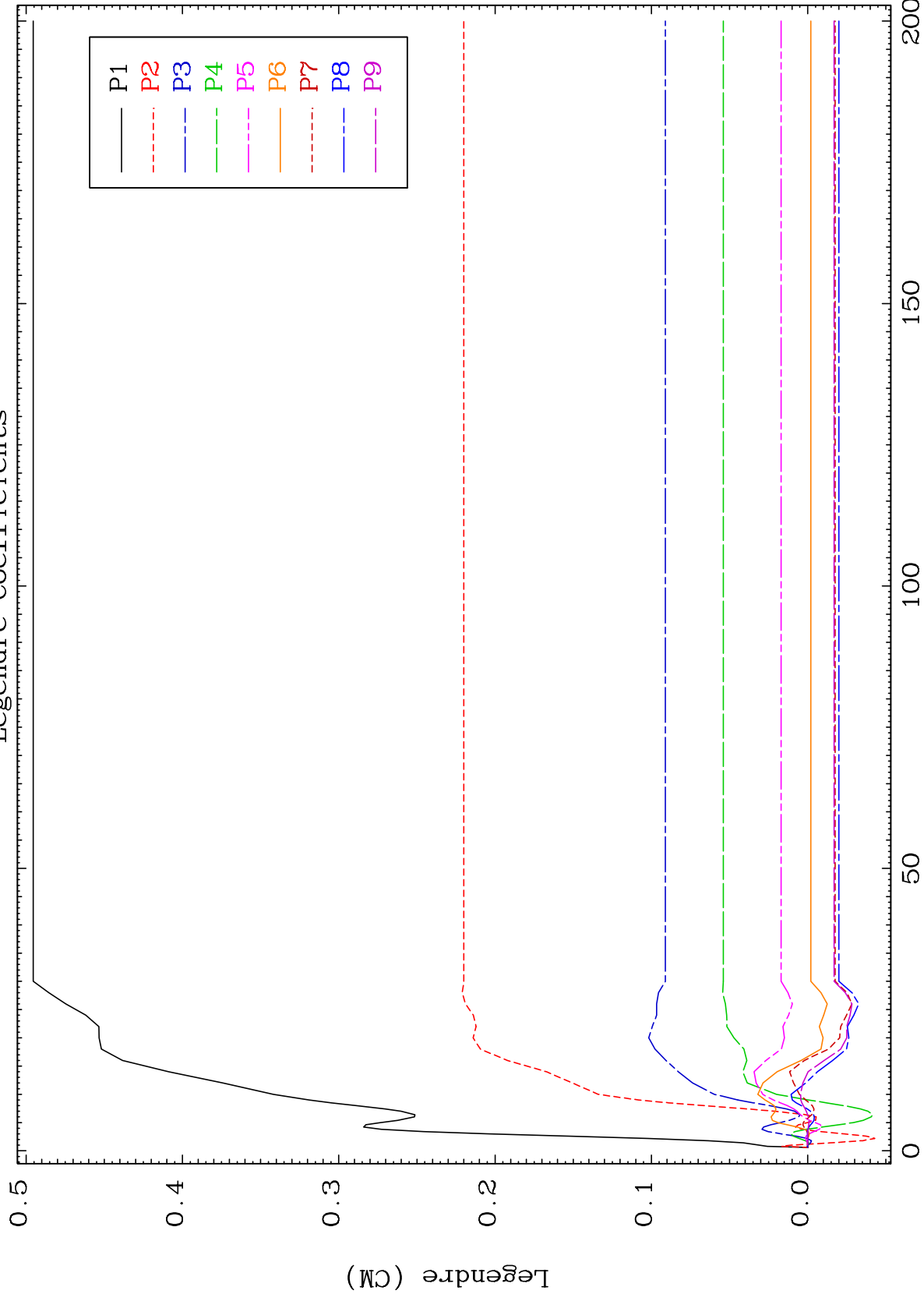
50



MAT 7471

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

75-Re-167



75-Re-167

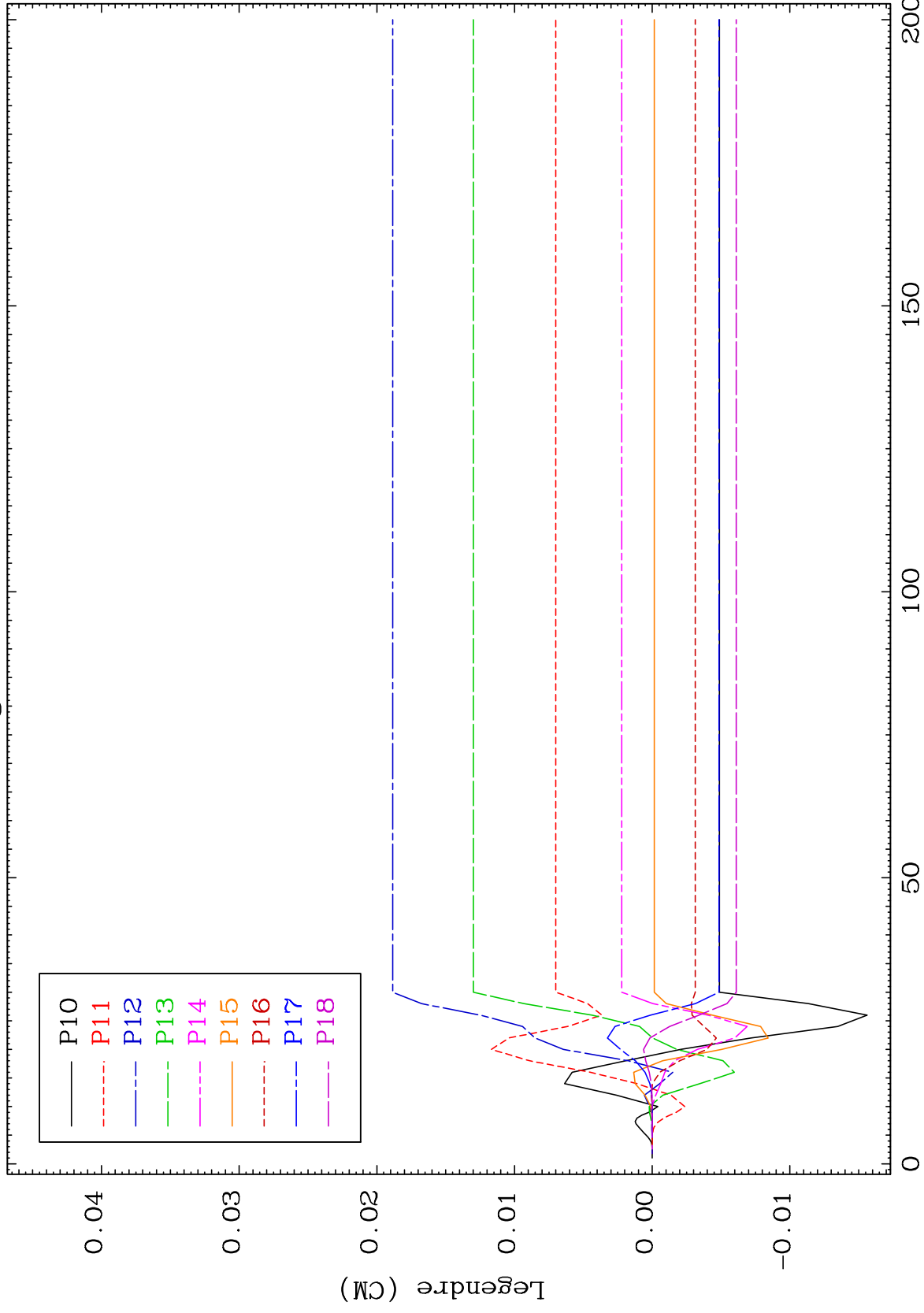
Incident Energy (MeV)

52

MAT 7471

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

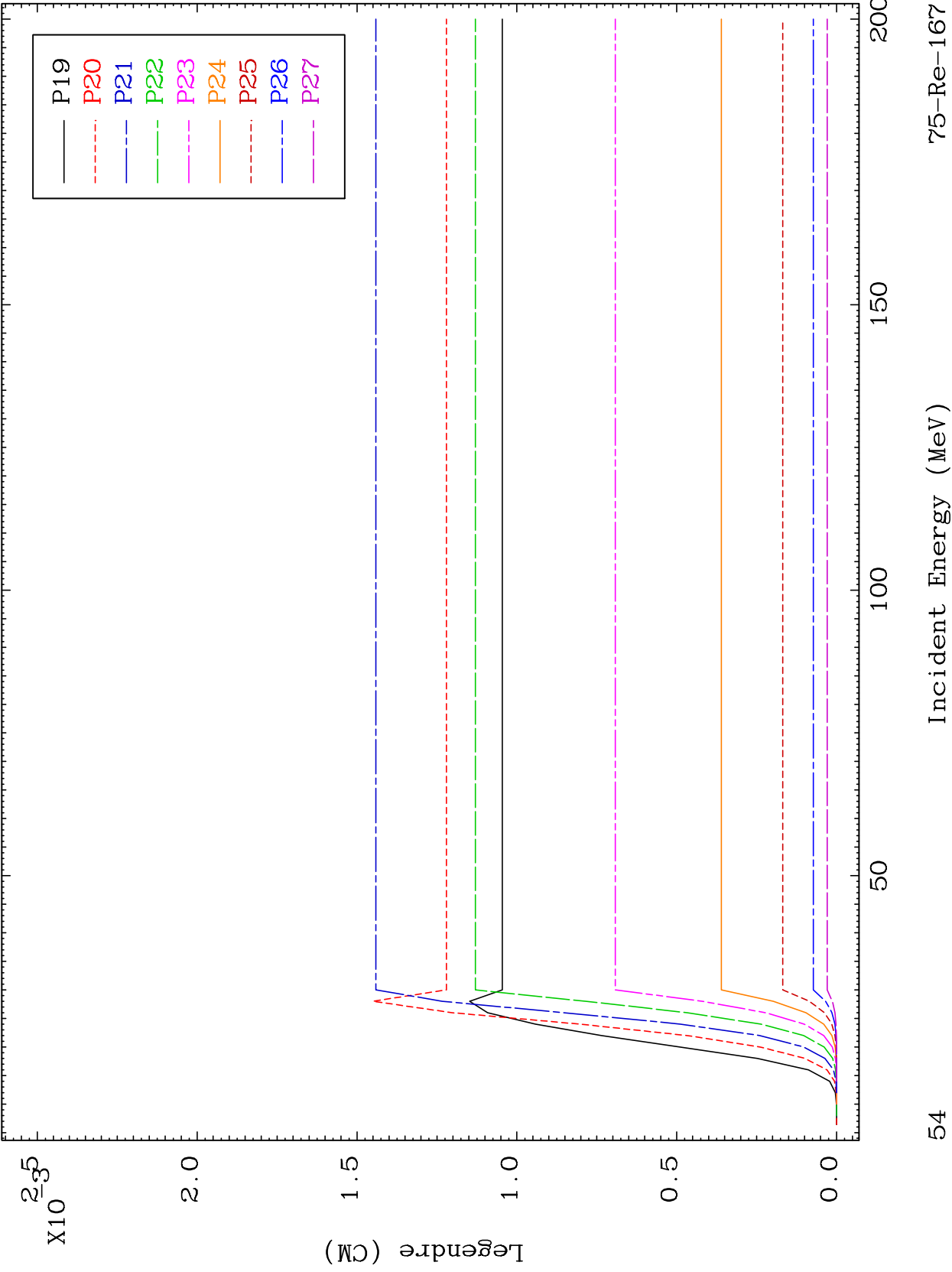
75-Re-167



53

Incident Energy (MeV)

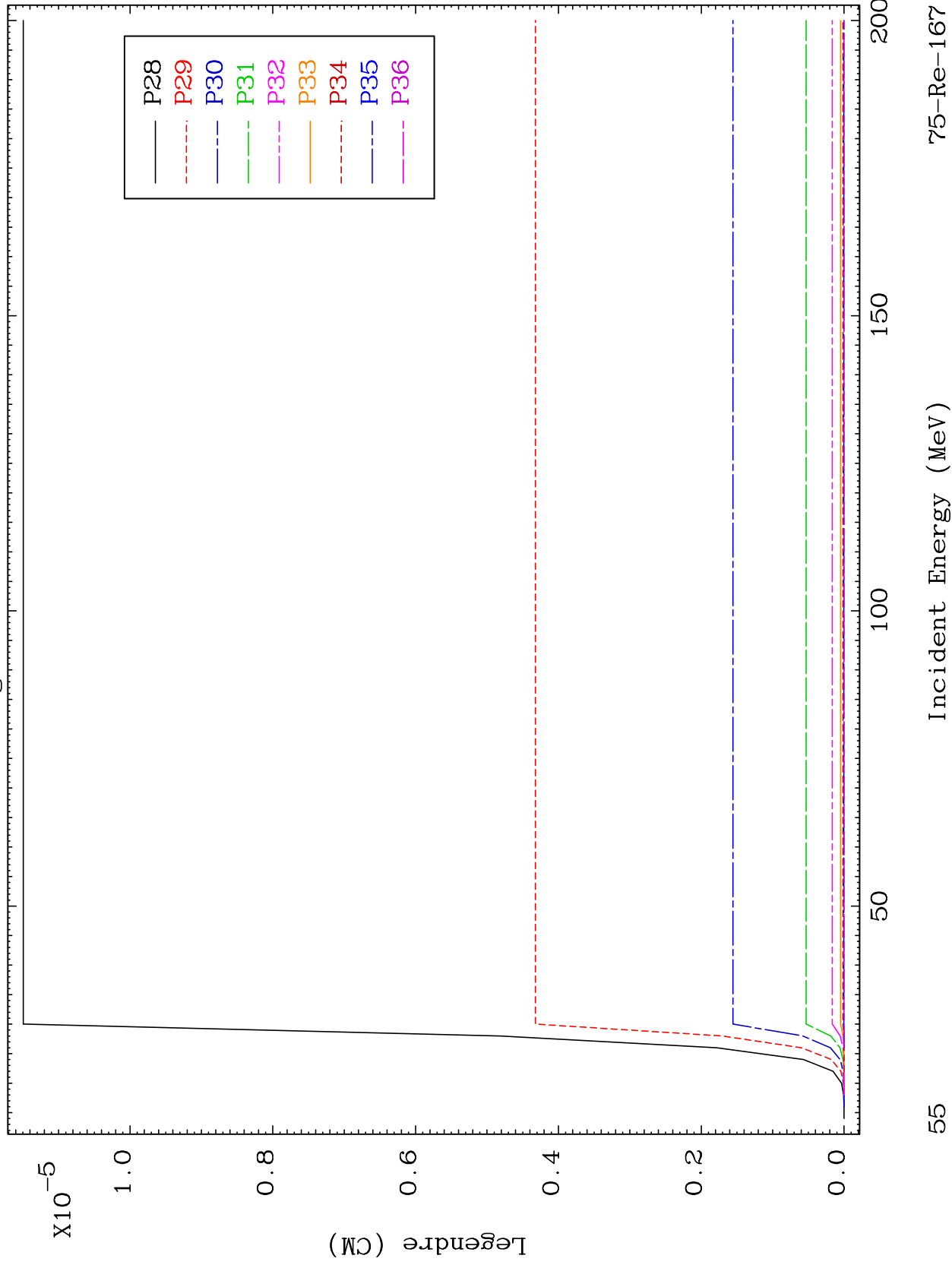
75-Re-167



MAT 7471

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

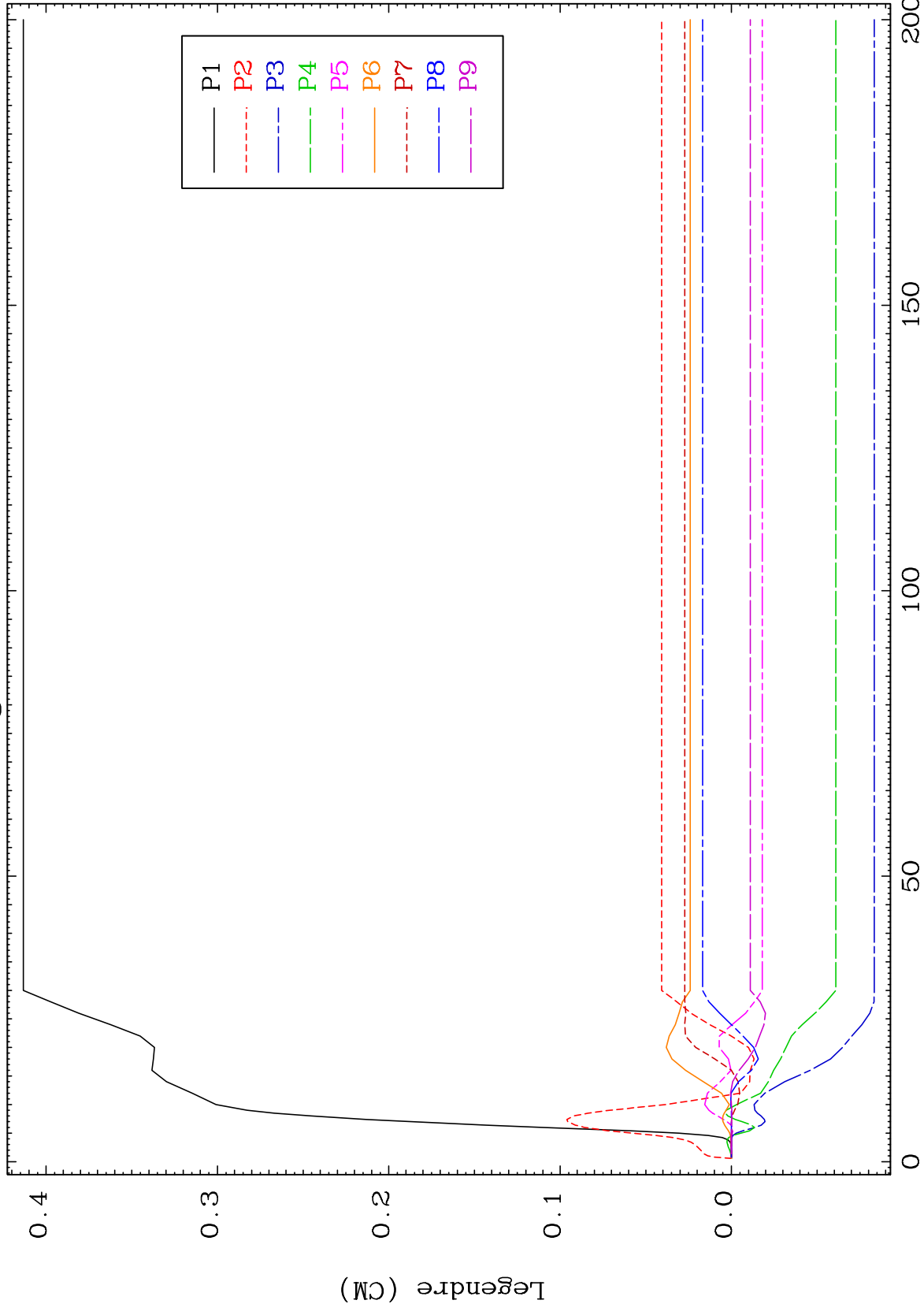
75-Re-167



MAT 7471

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

75-Re-167



56

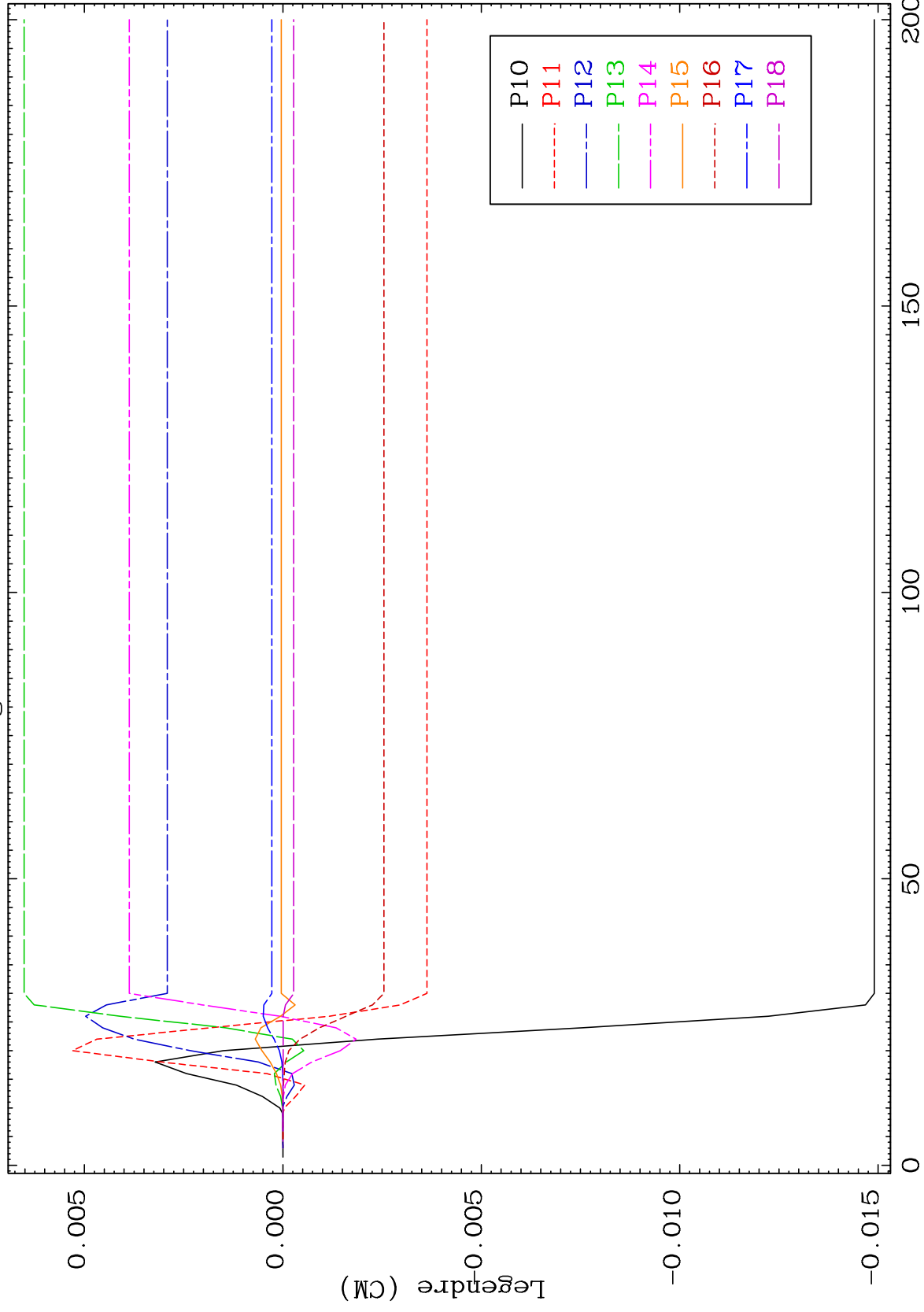
Incident Energy (MeV)

75-Re-167

MAT 7471

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

75-Re-167



57

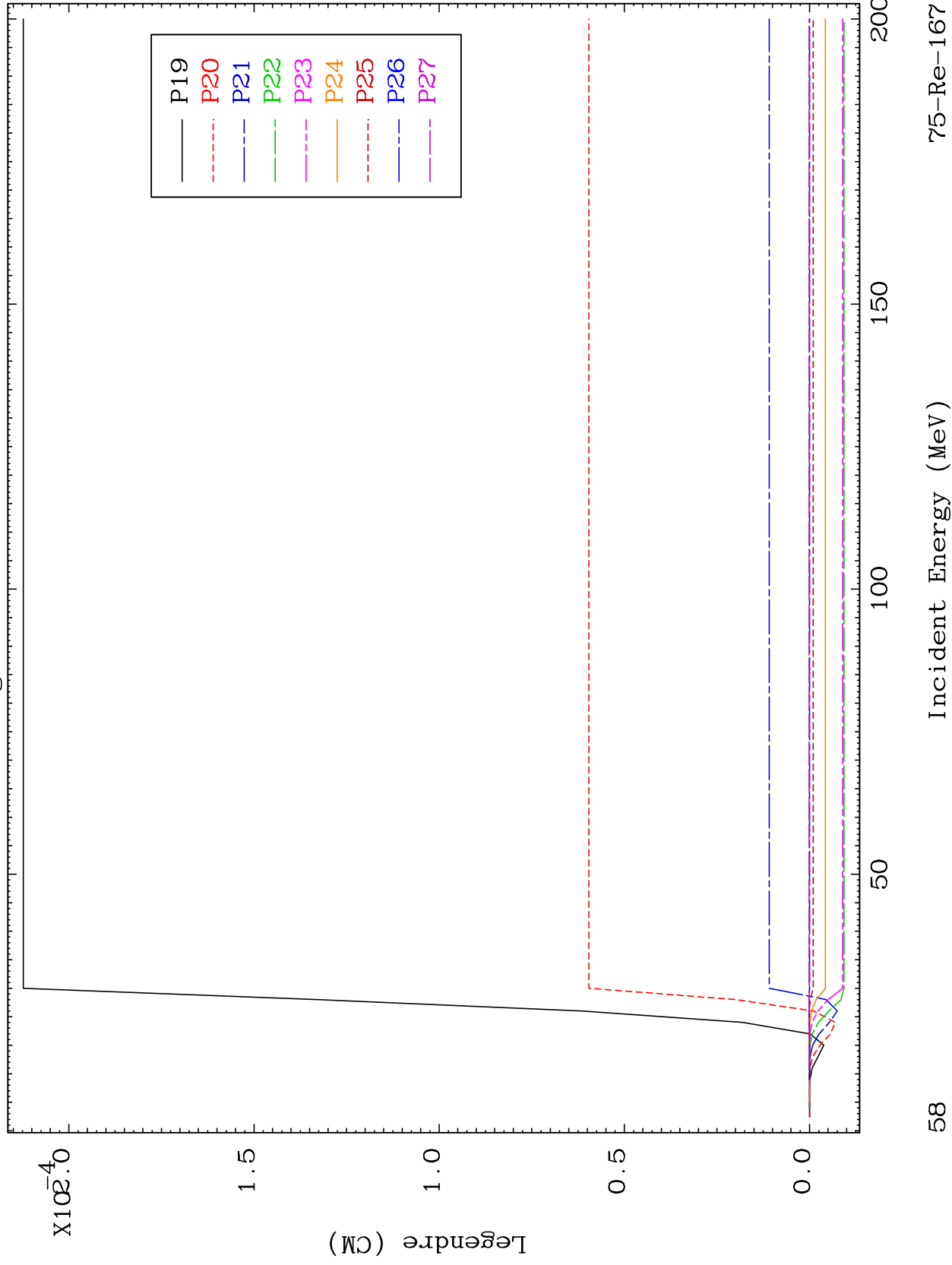
Incident Energy (MeV)

75-Re-167

MAT 7471

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

75-Re-167



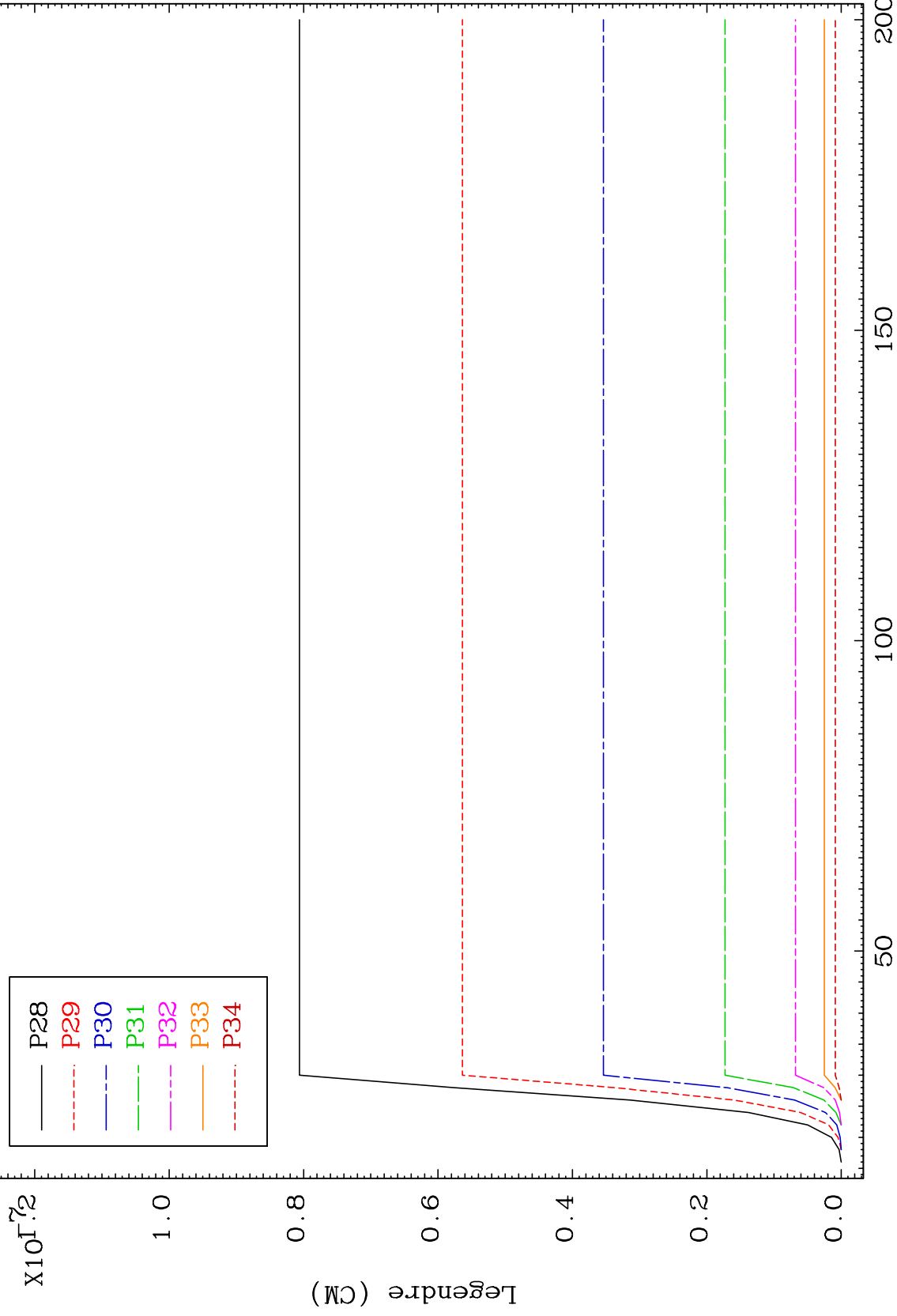
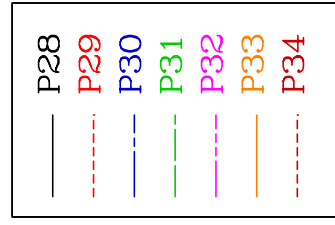
58

75-Re-167

MAT 7471

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

75-Re-167



59

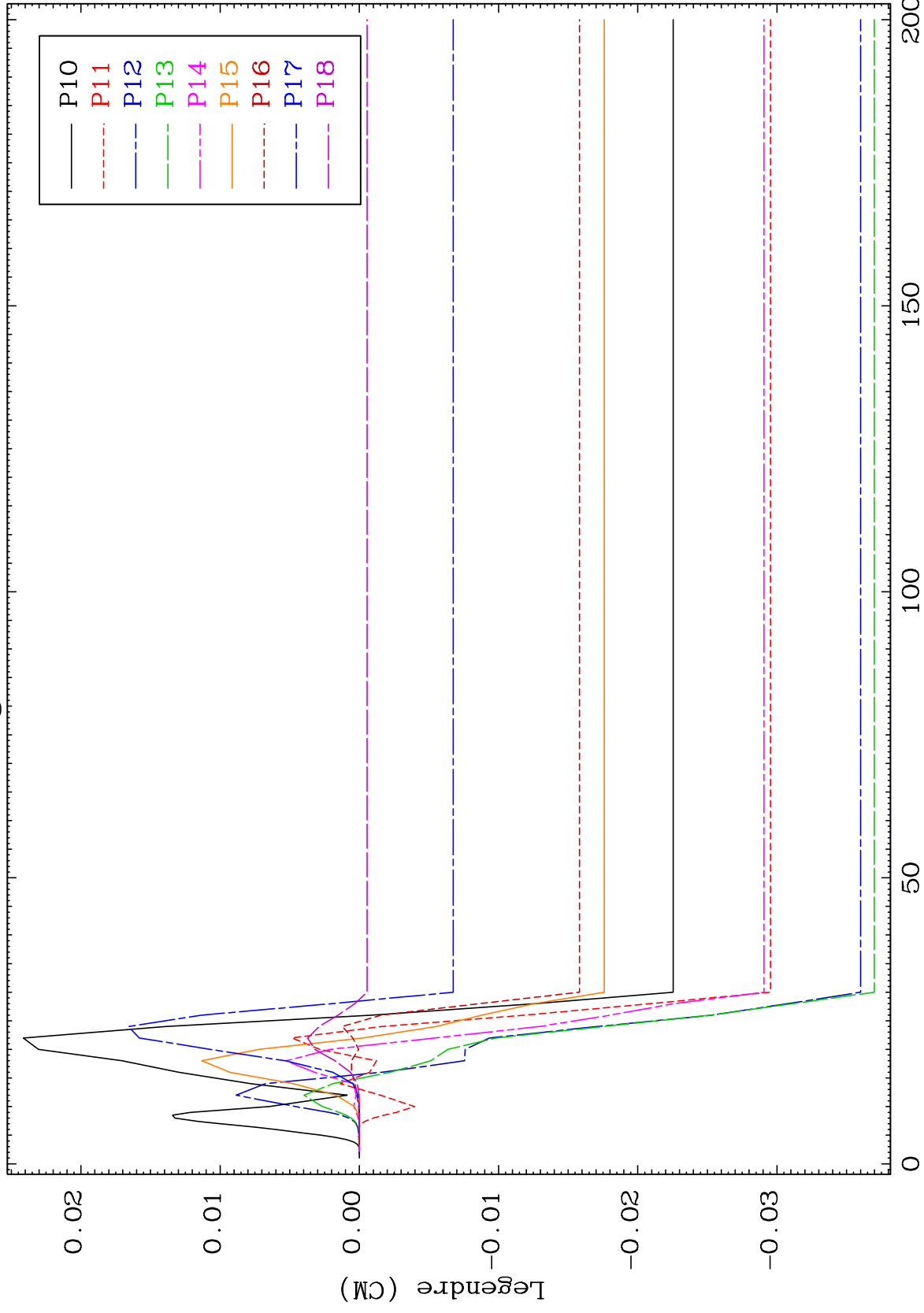
Incident Energy (MeV)

75-Re-167

MAT 7471

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

75-Re-167



61

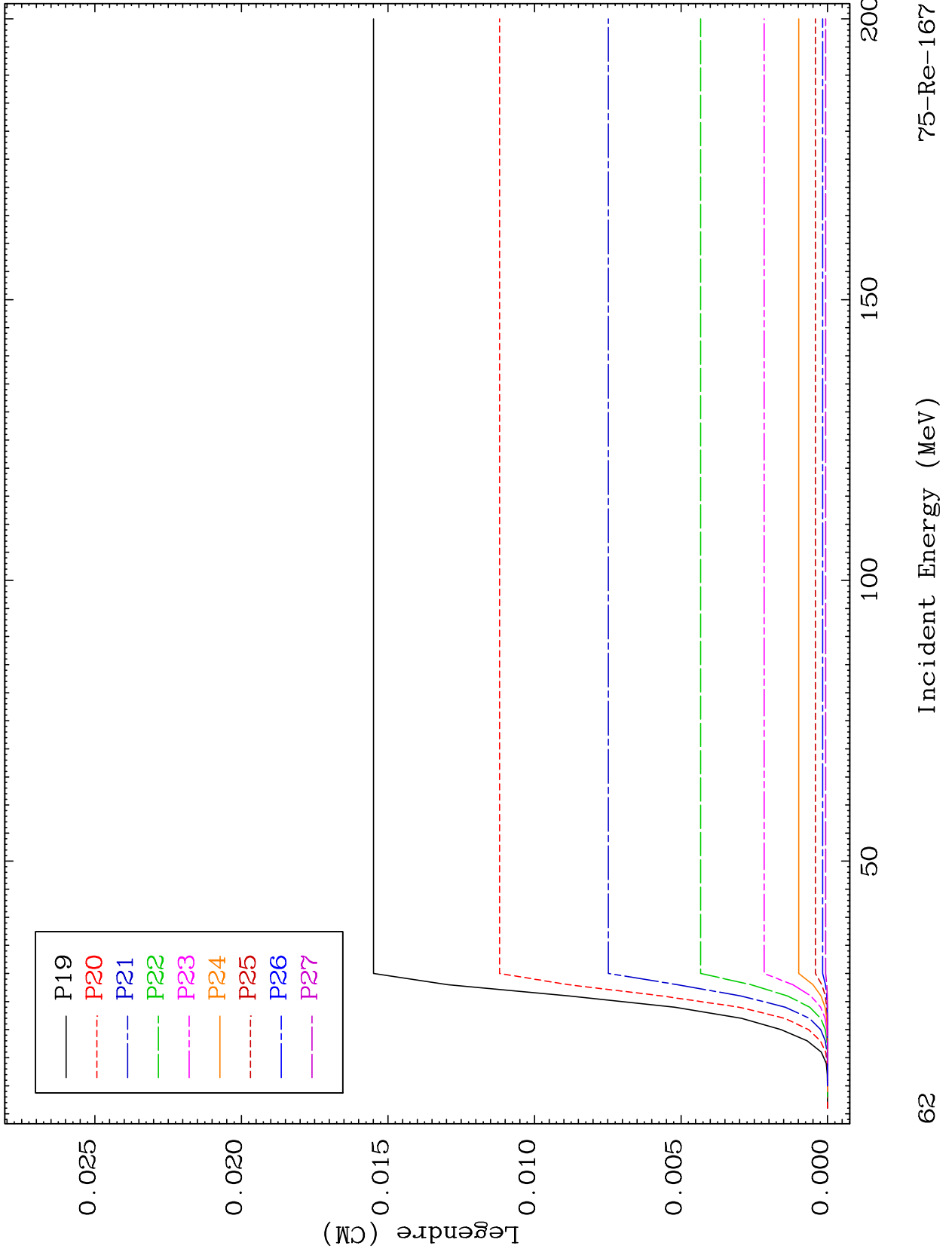
Incident Energy (MeV)

75-Re-167

MAT 7471

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

75-Re-167



62

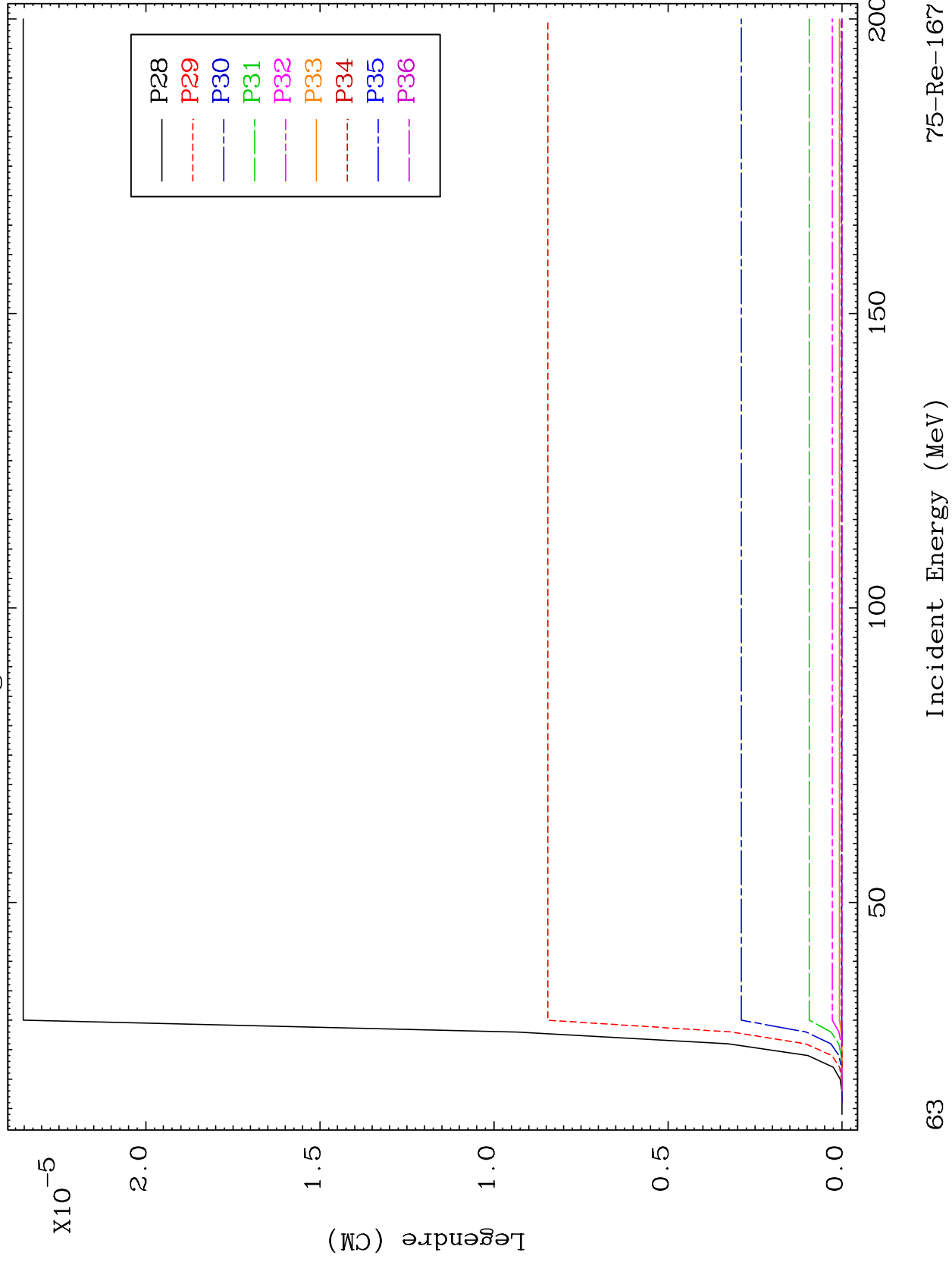
Incident Energy (MeV)

75-Re-167

MAT 7471

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

75-Re-167



63

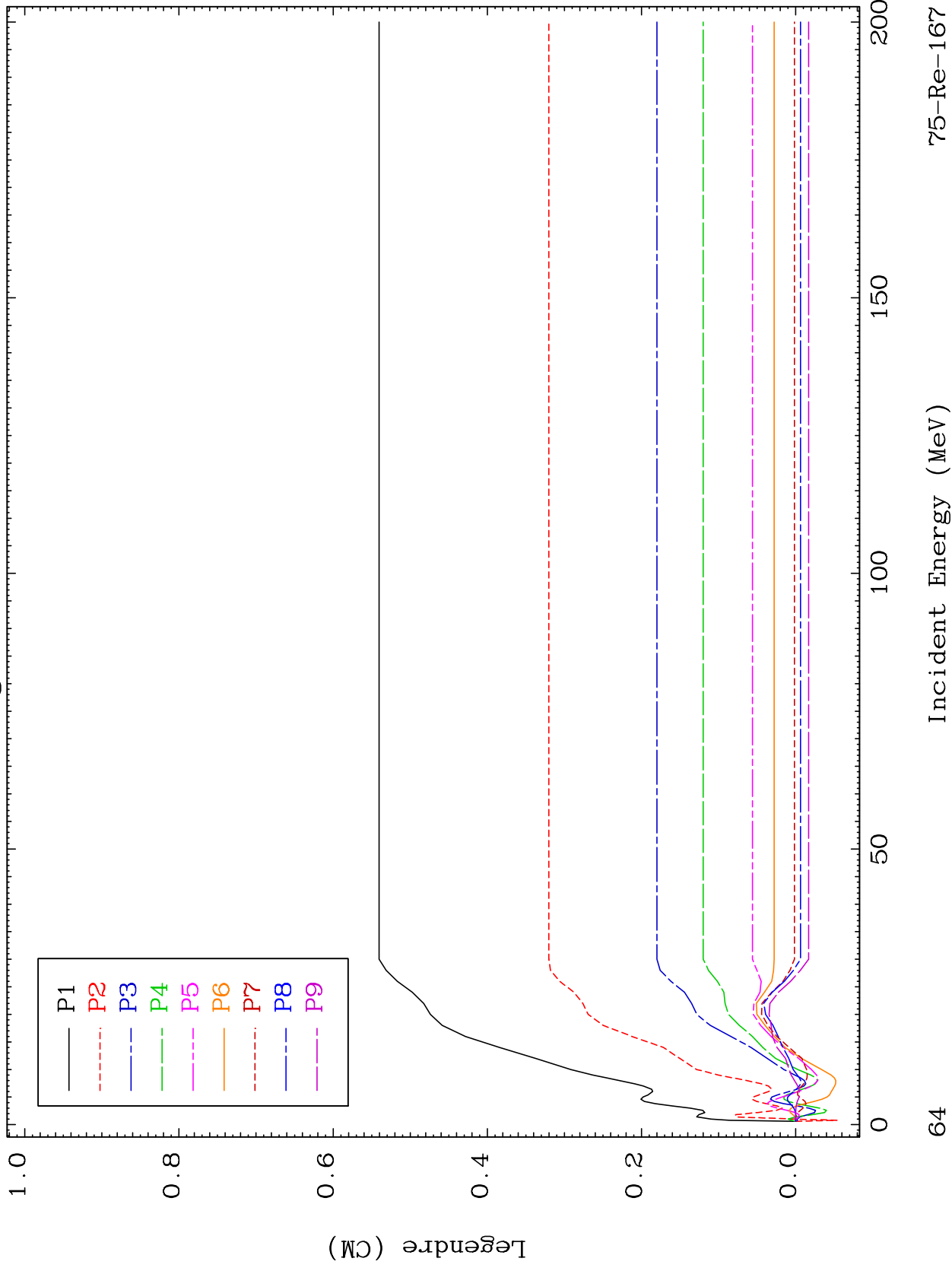
Incident Energy (MeV)

75-Re-167

MAT 7471

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

75-Re-167



75-Re-167

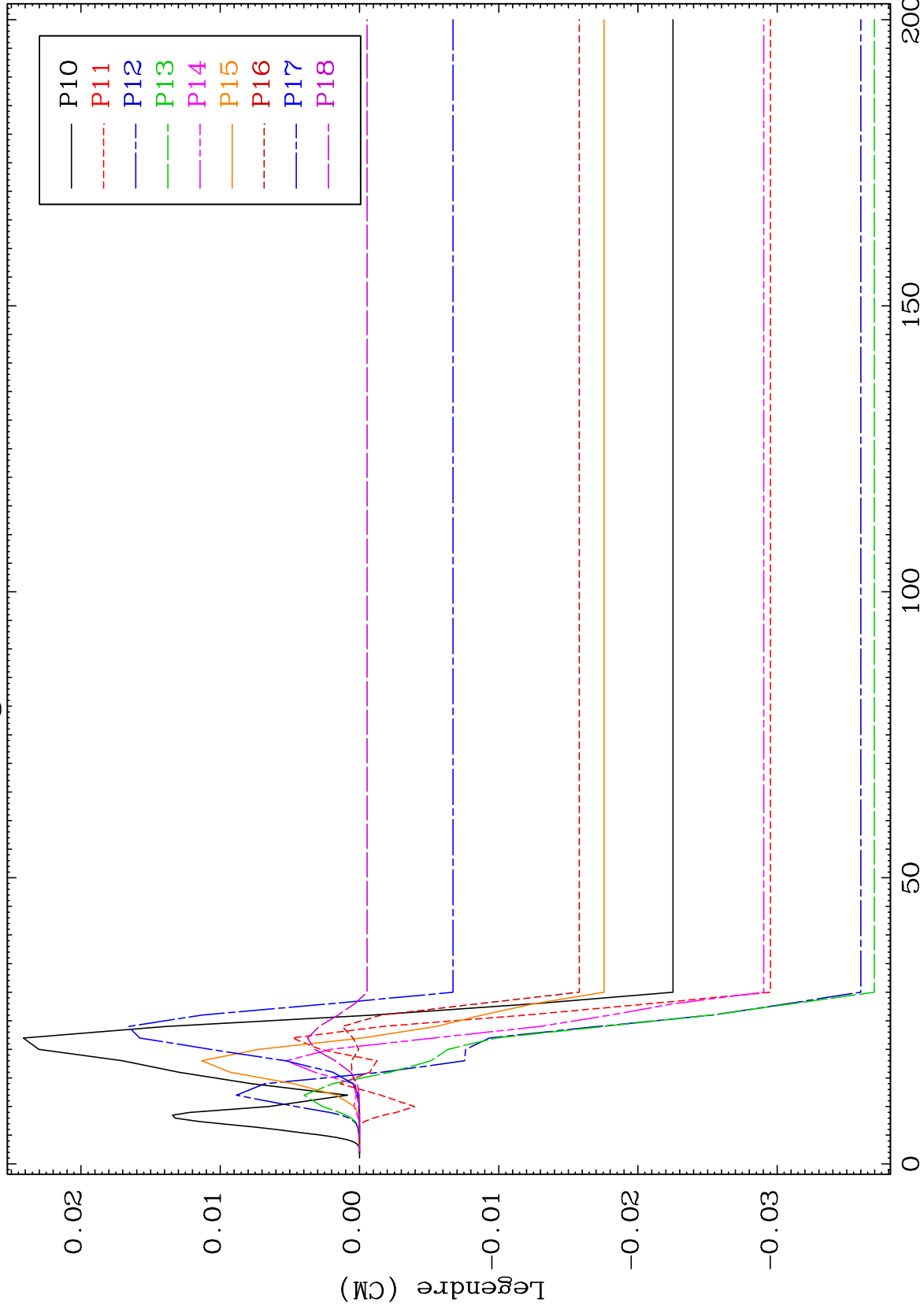
Incident Energy (MeV)

64

MAT 7471

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

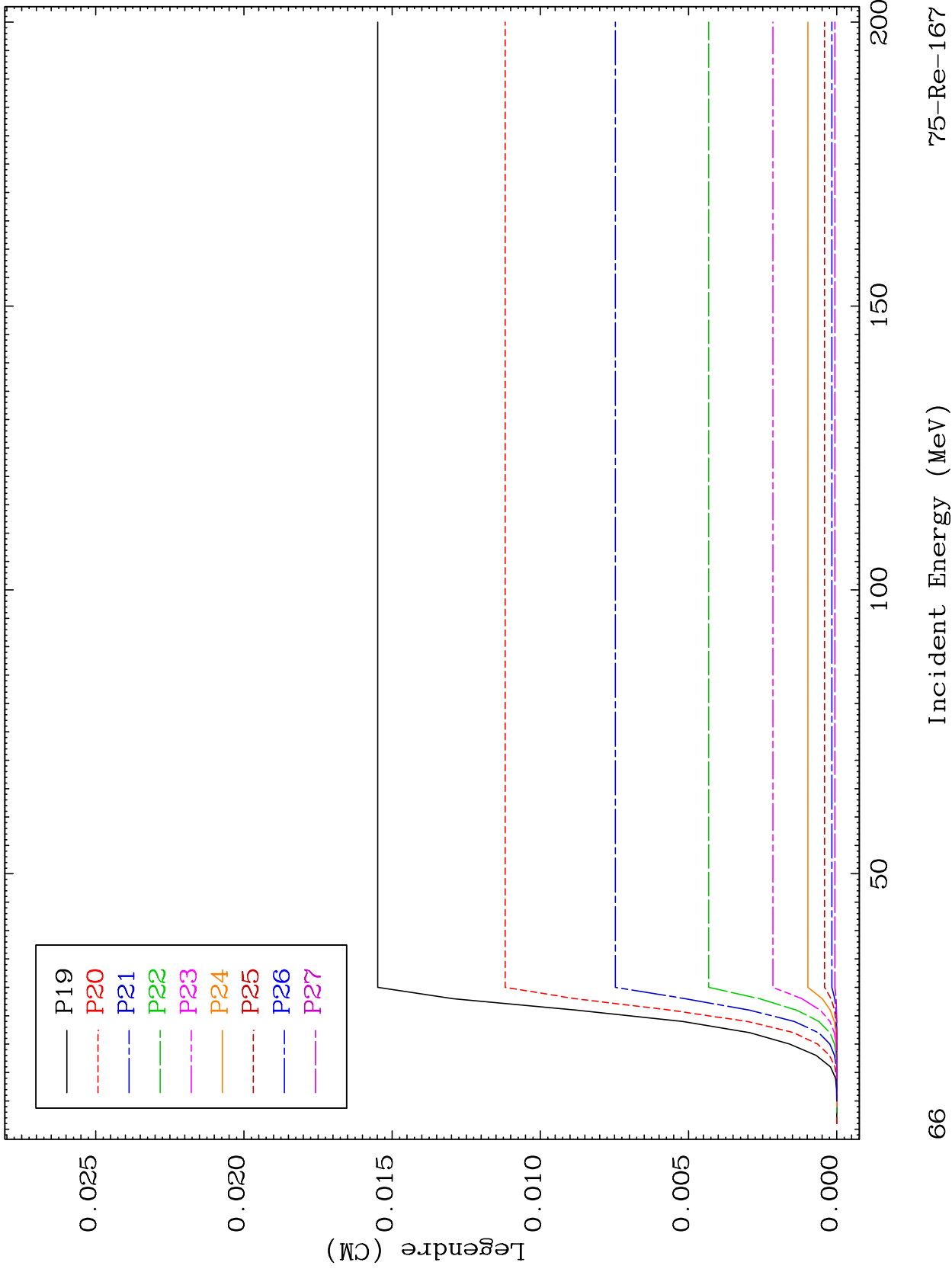
75-Re-167



65

Incident Energy (MeV)

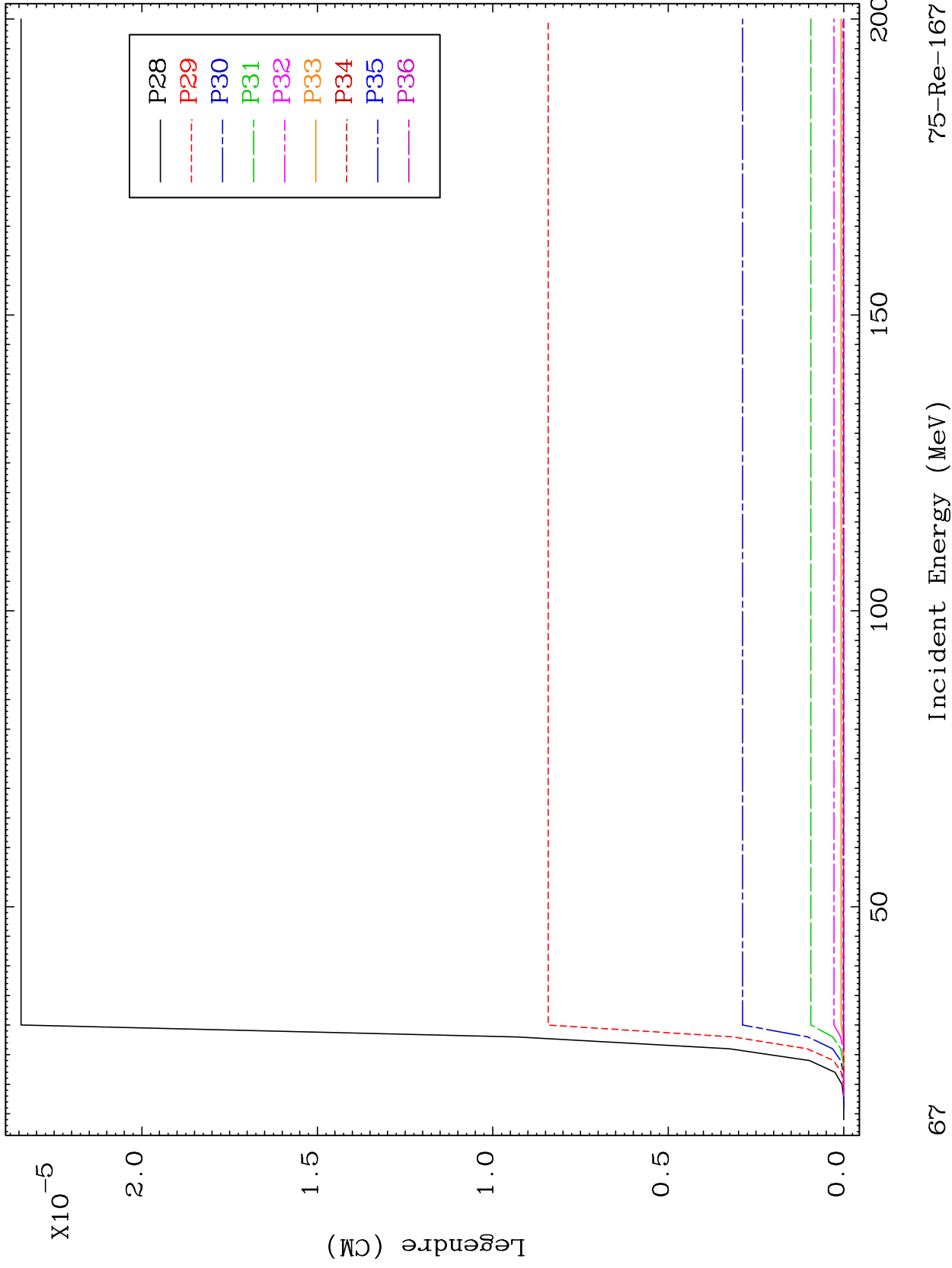
75-Re-167



MAT 7471

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

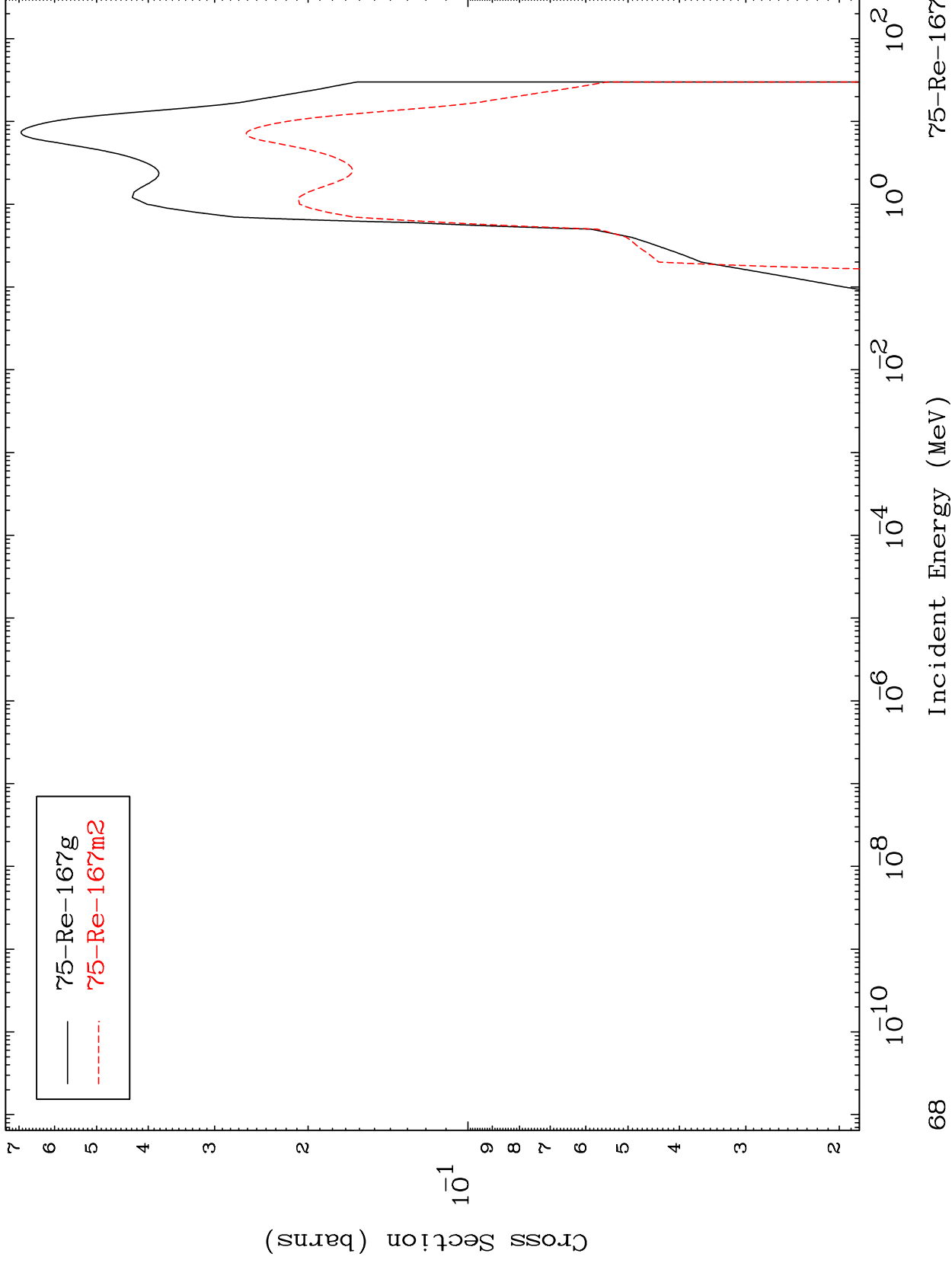
75-Re-167

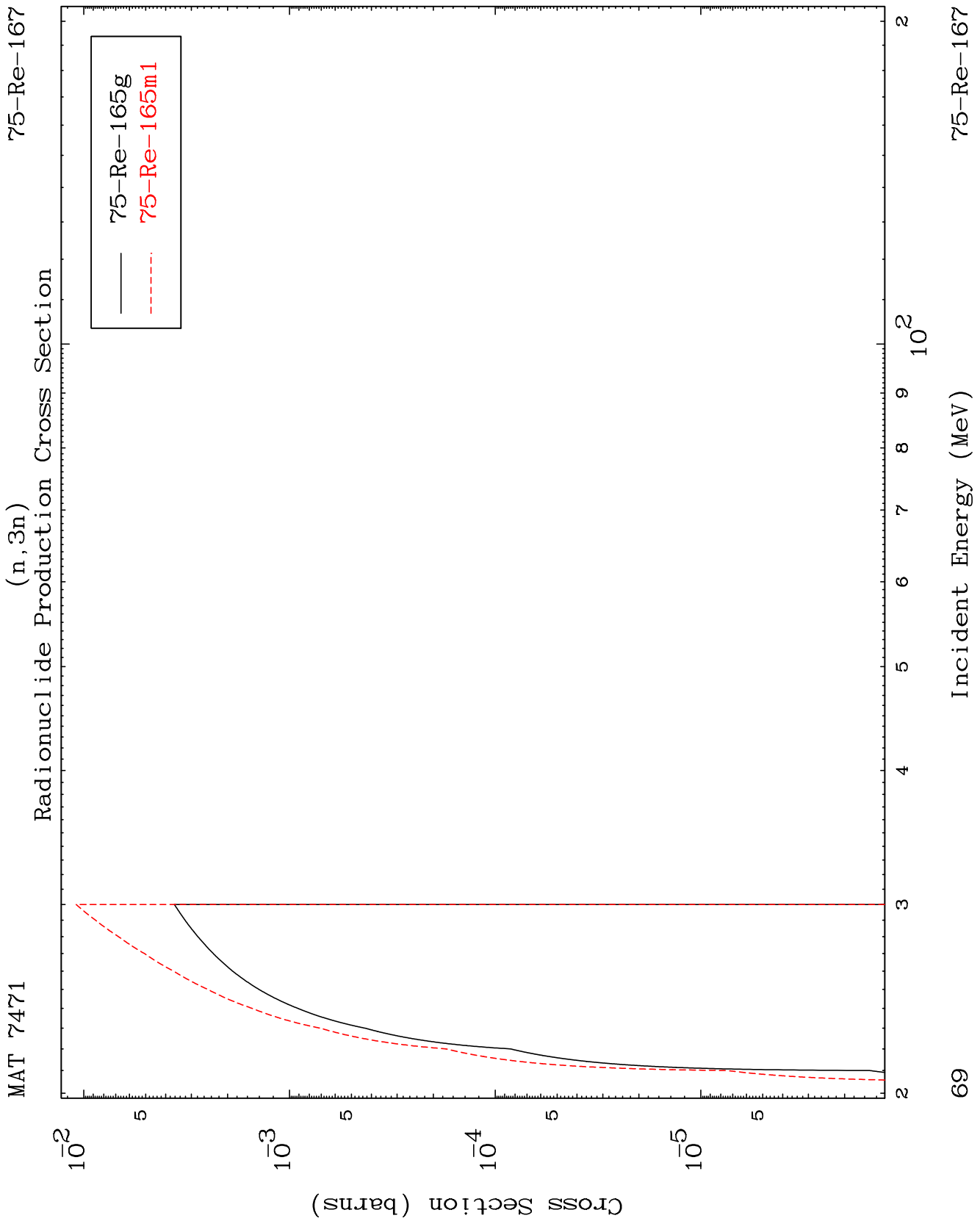


MAT 7471

Inelastic
Radionuclide Production Cross Section

75-Re-167



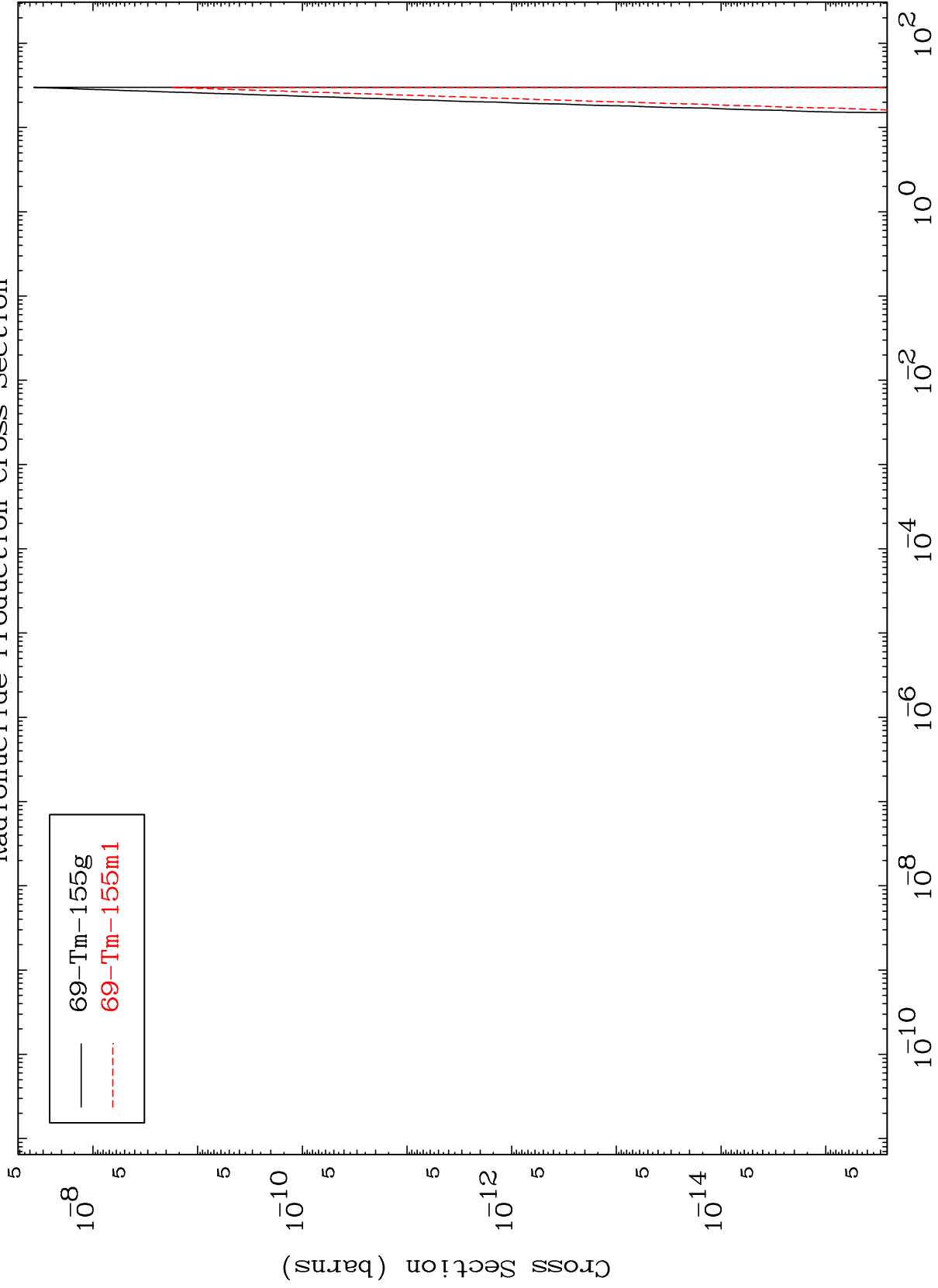


MAT 7471

(n,n') 3 α

75-Re-167

Radionuclide Production Cross Section



69-Tm-155g
69-Tm-155m1

70

Incident Energy (MeV)

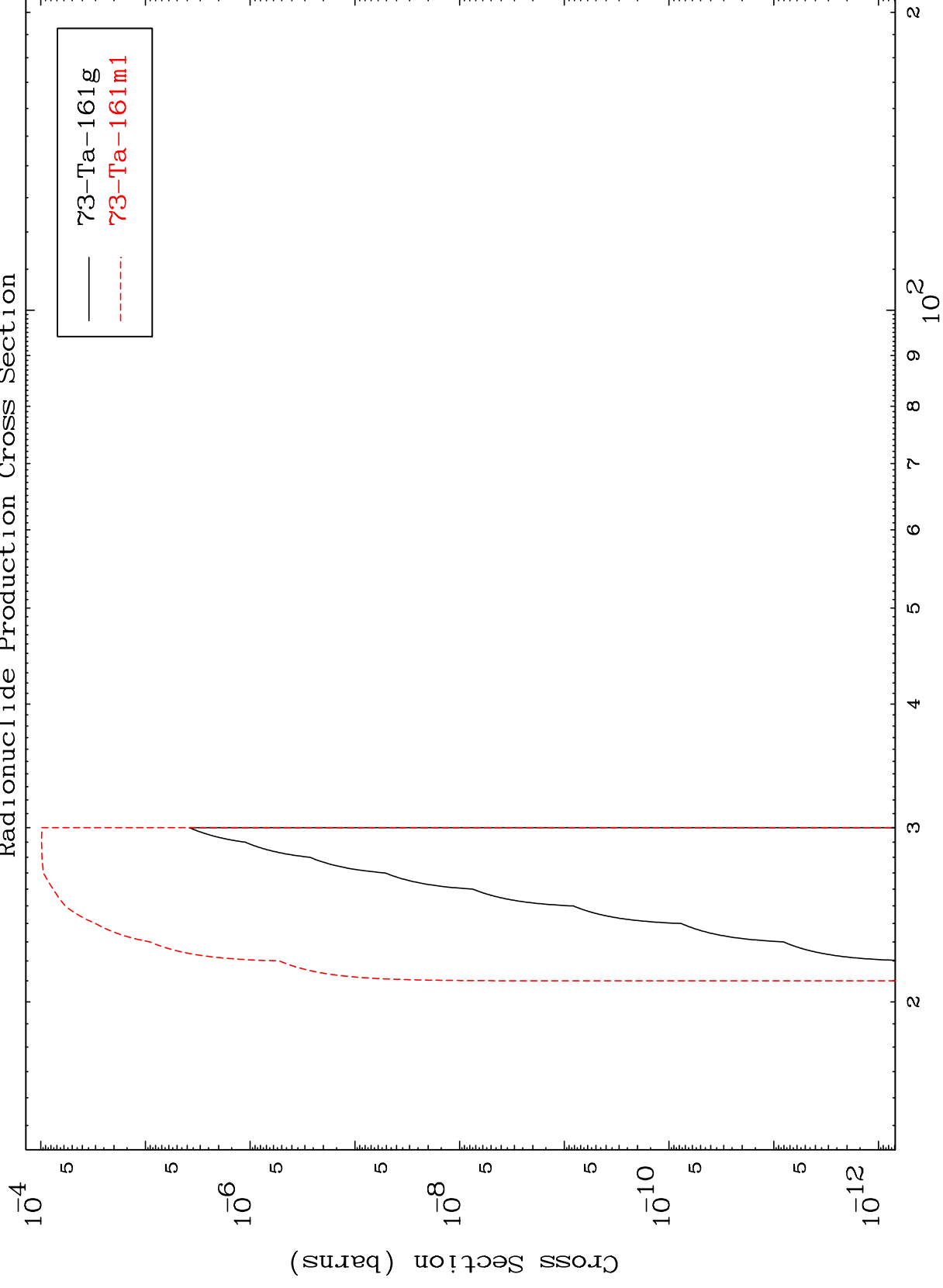
75-Re-167

MAT 7471

75-Re-167

(n,3n) α

Radionuclide Production Cross Section



71

Incident Energy (MeV)

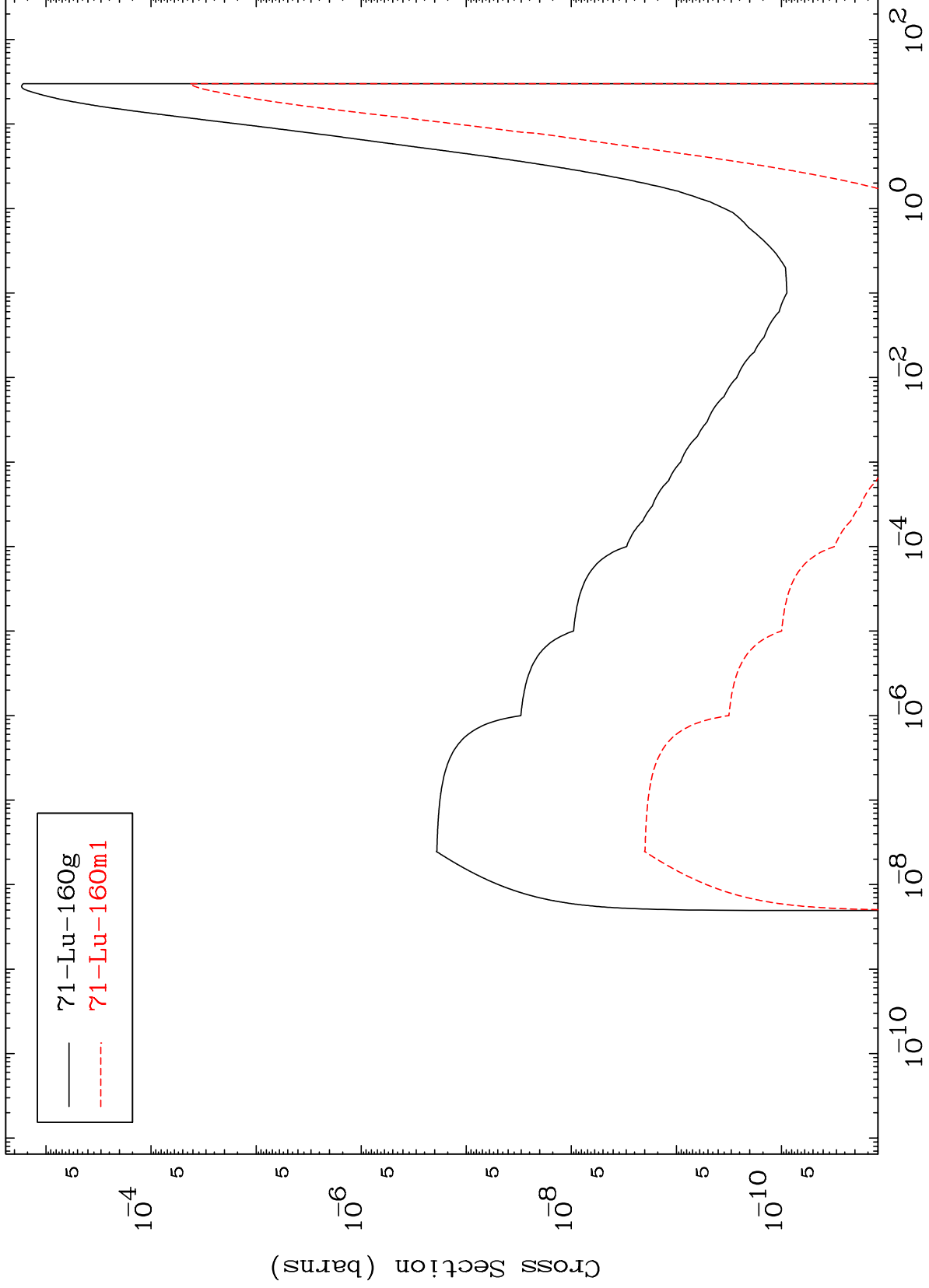
75-Re-167

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(n,2α)

75-Re-167

Radionuclide Production Cross Section



72

Incident Energy (MeV)

75-Re-167