

Program EVALPLOT
(Version 2018-1)

by

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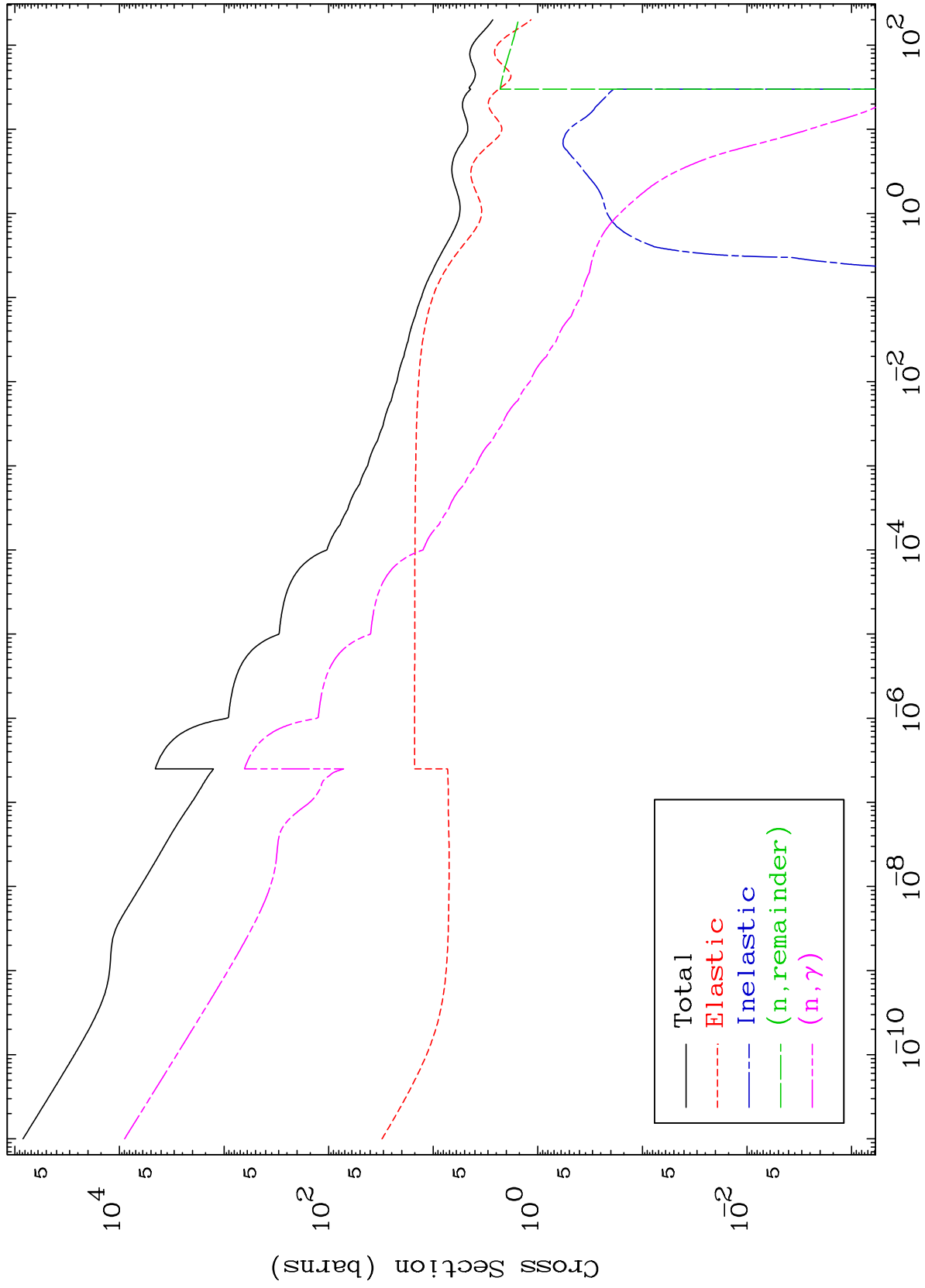
E.Mail:redcullen1@comcast.net
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7862

Major
293 Kelvin Cross Sections

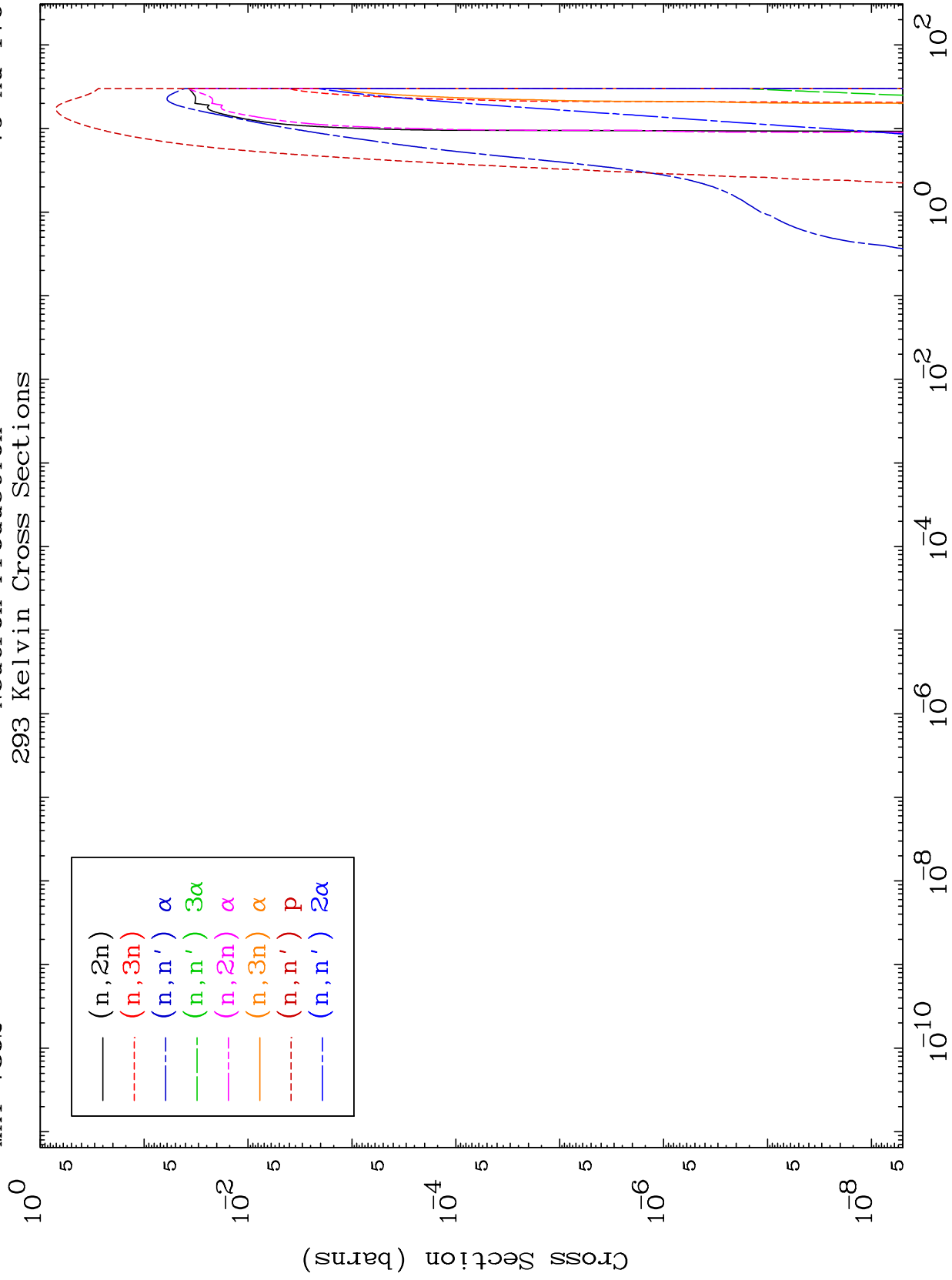
79-Au-176



MAT 7862

Neutron Production
293 Kelvin Cross Sections

79-Au-176



2

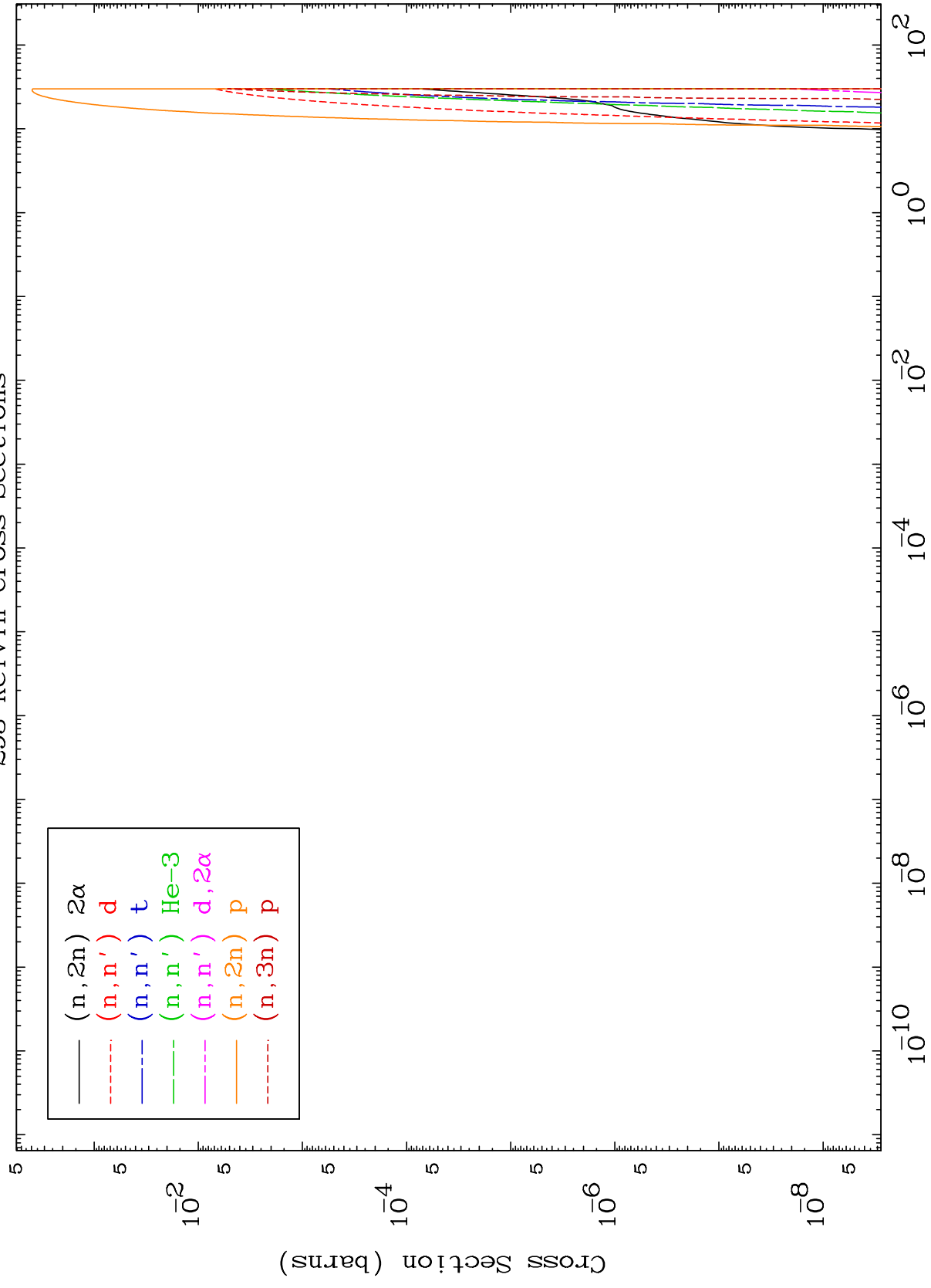
Incident Energy (MeV)

79-Au-176

MAT 7862

Neutron Production
293 Kelvin Cross Sections

79-Au-176

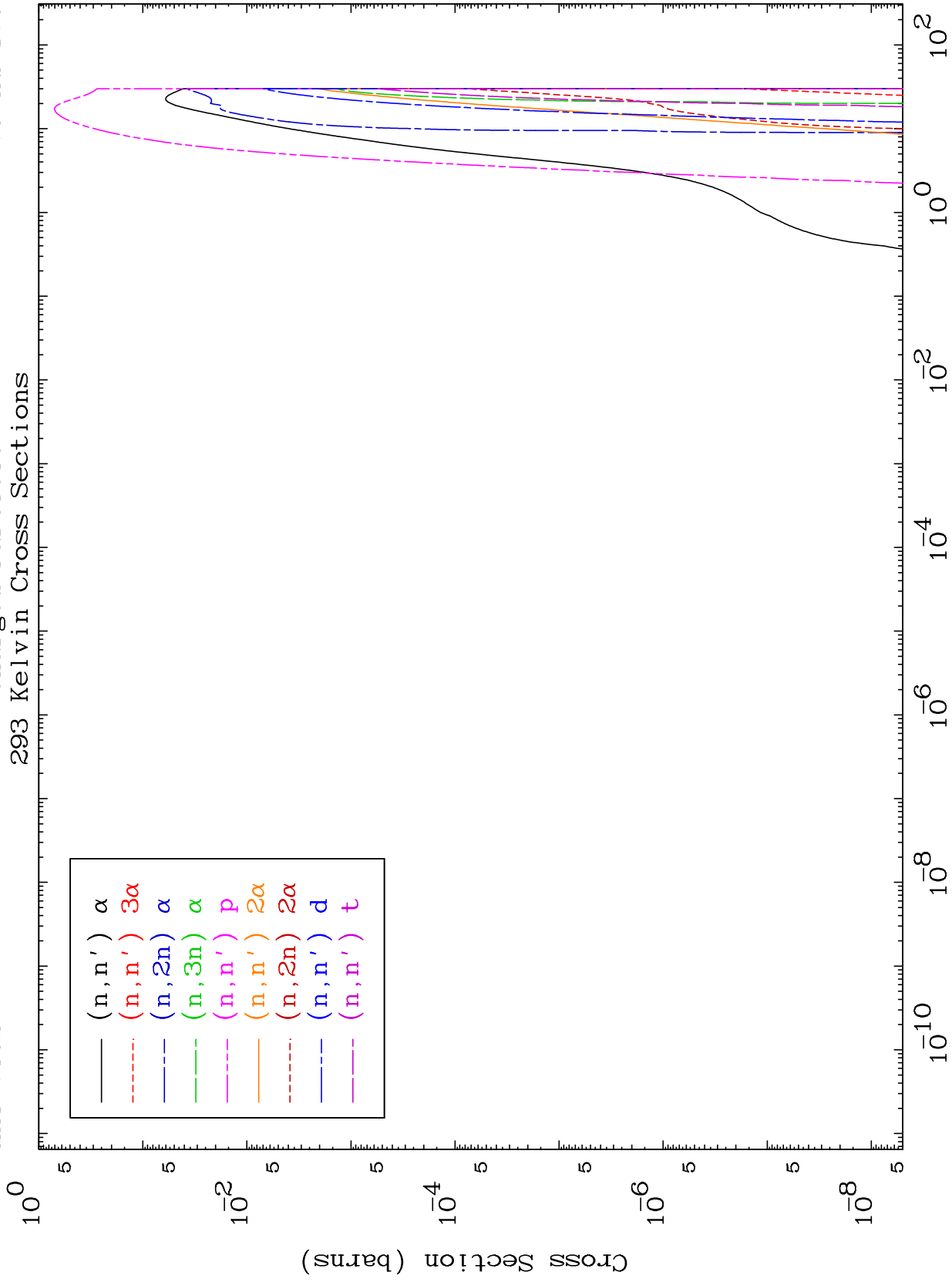


79-Au-176

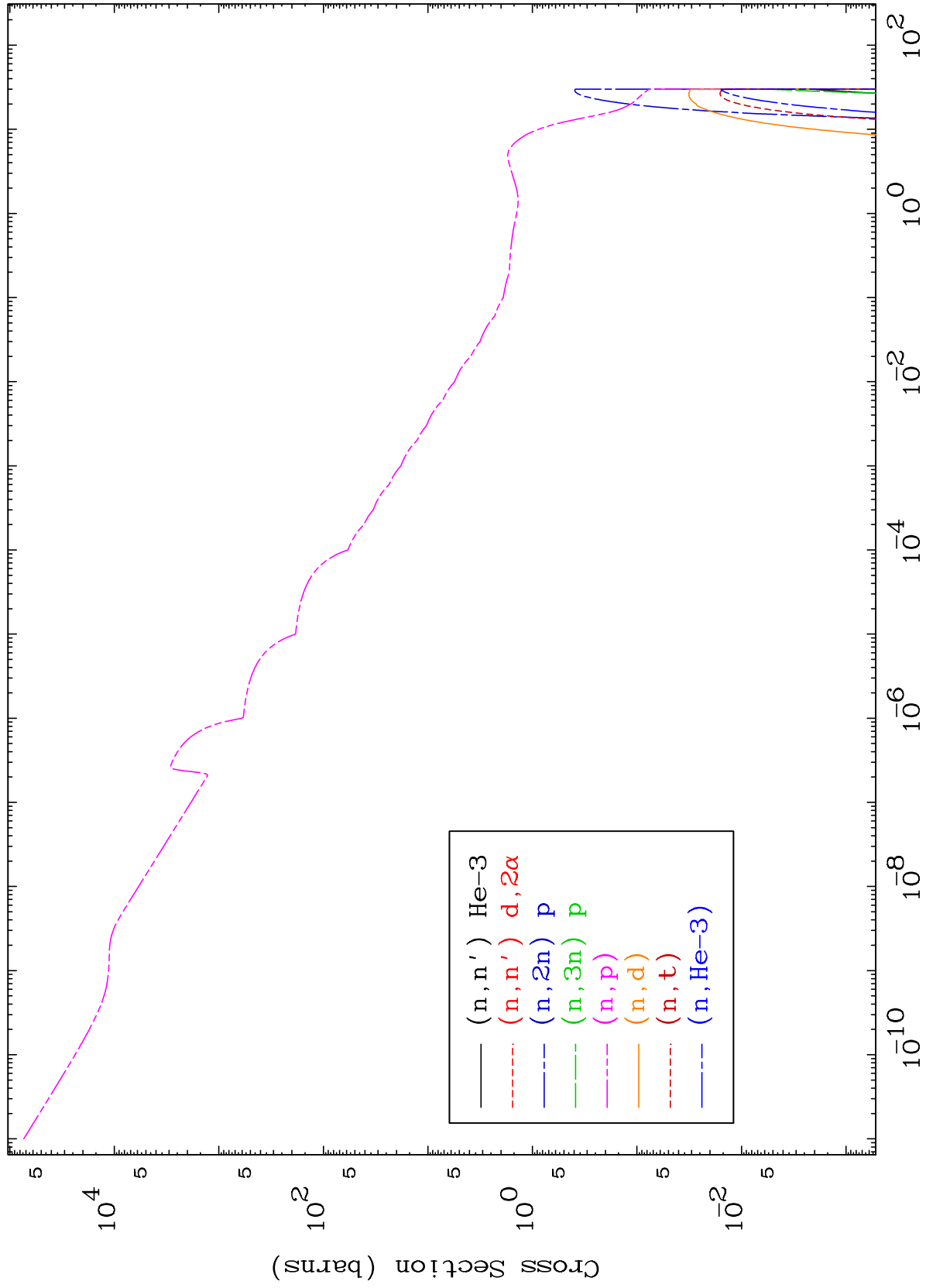
MAT 7862

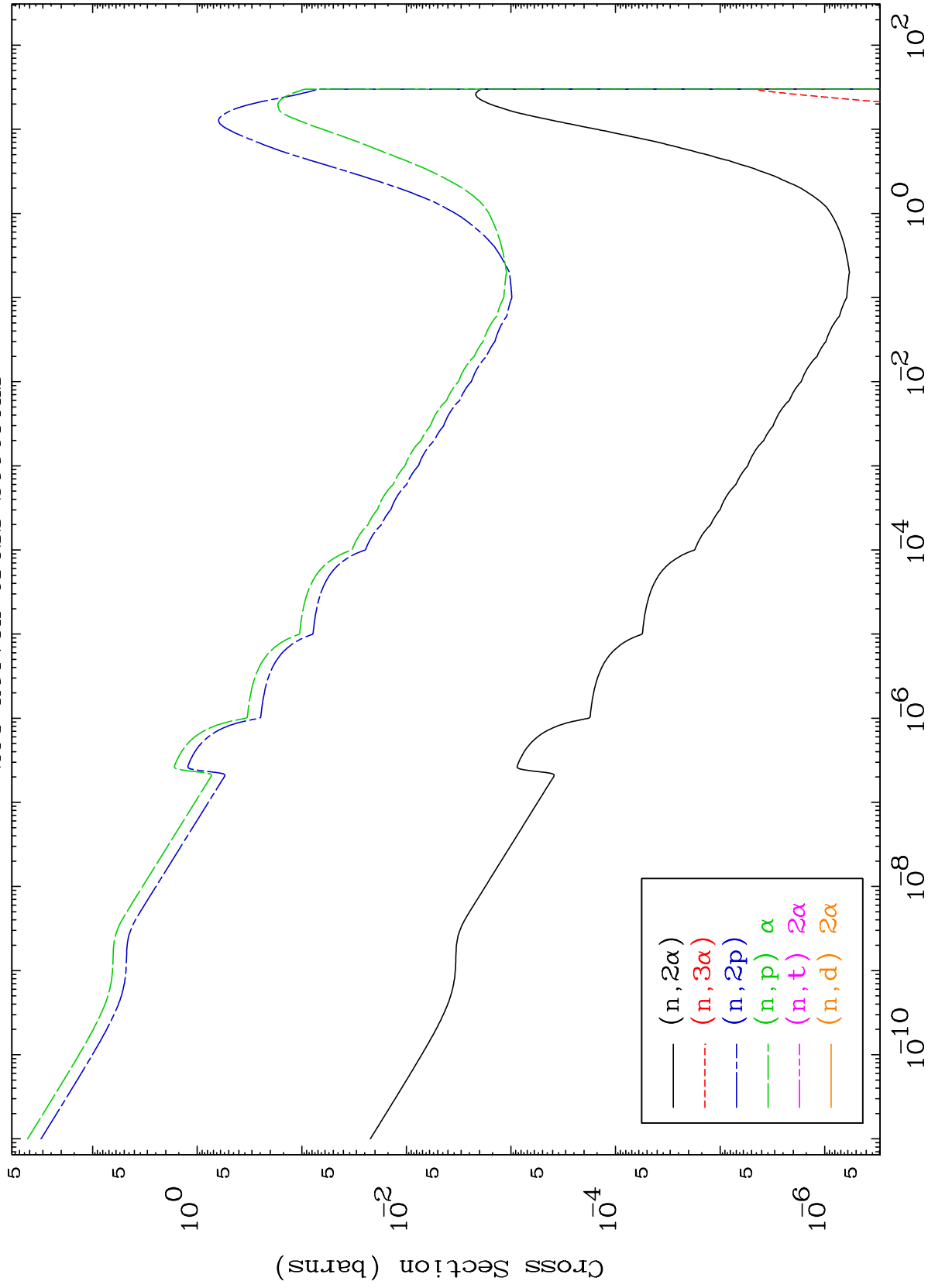
Charged Particle
293 Kelvin Cross Sections

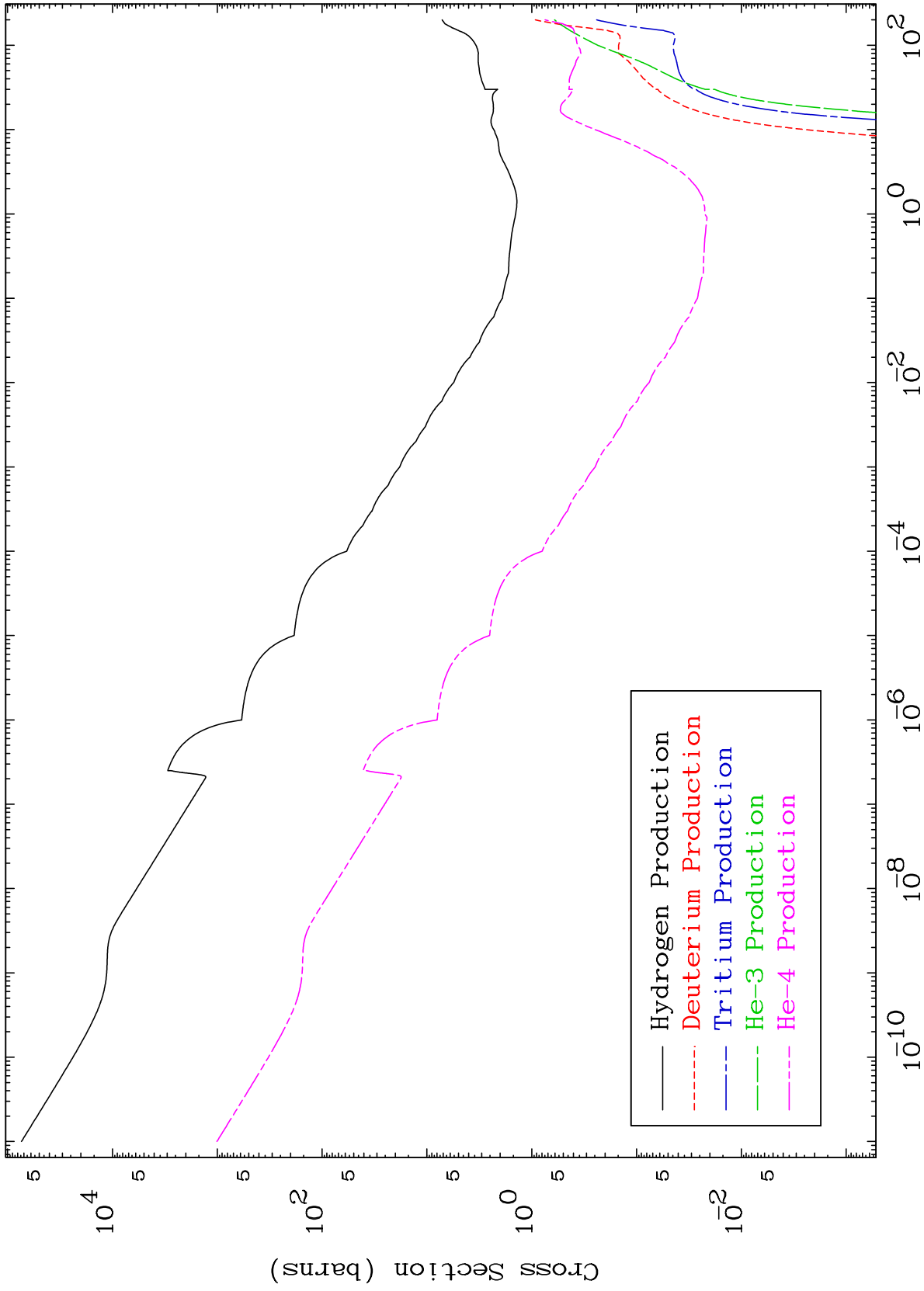
79-Au-176



79-Au-176



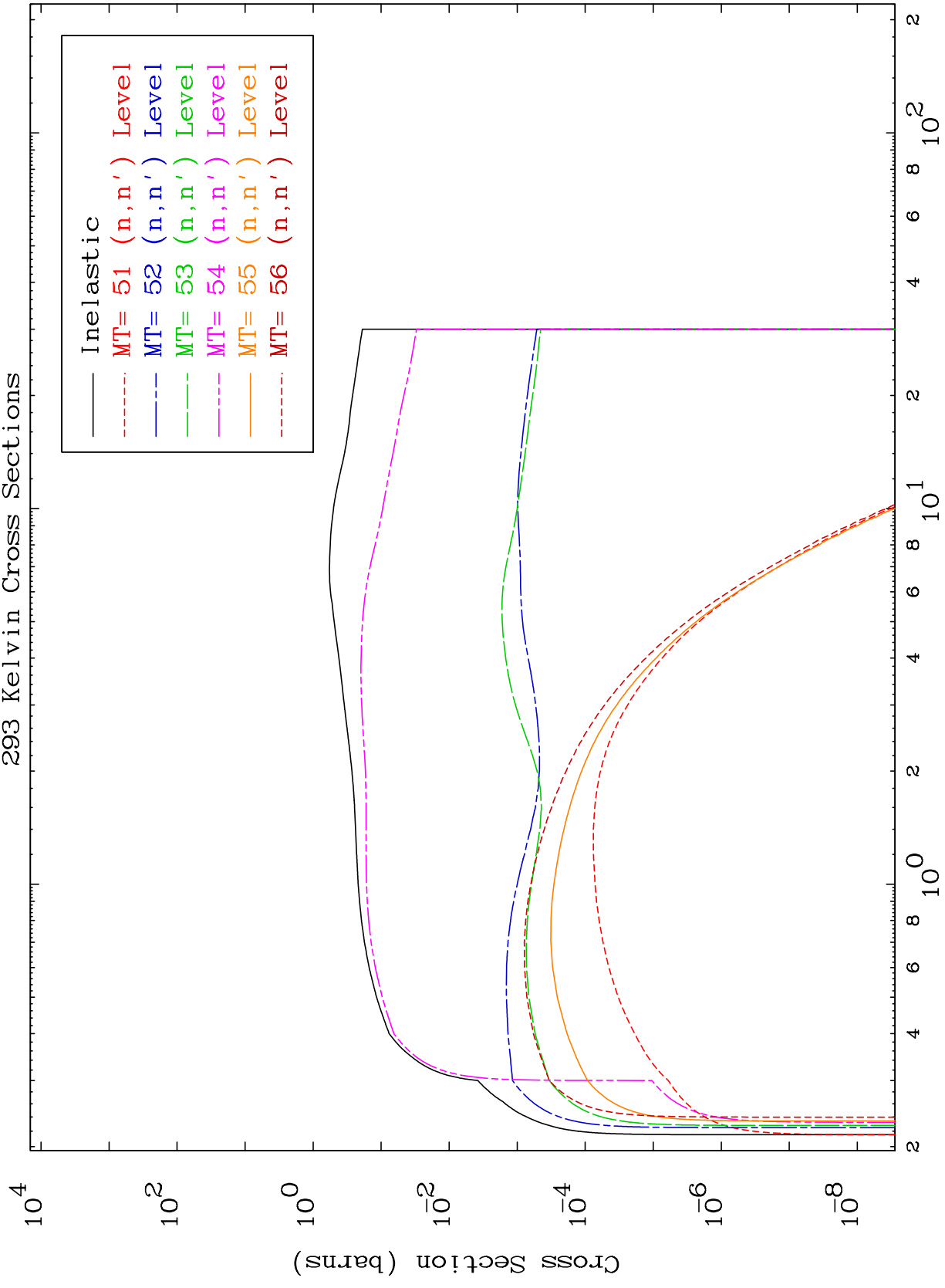




MAT 7862

(n,n') Level
293 Kelvin Cross Sections

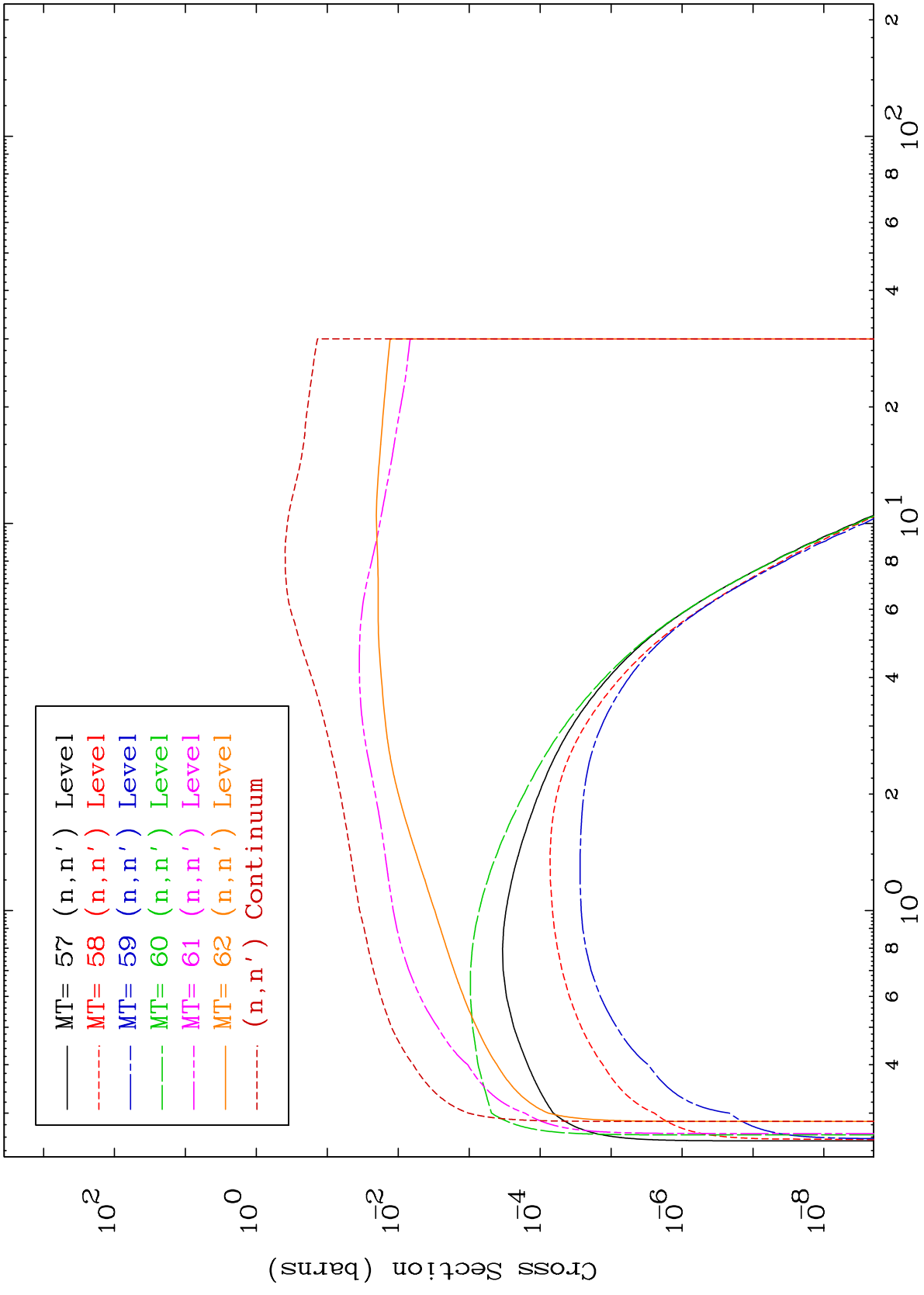
79-Au-176



8

Incident Energy (MeV)

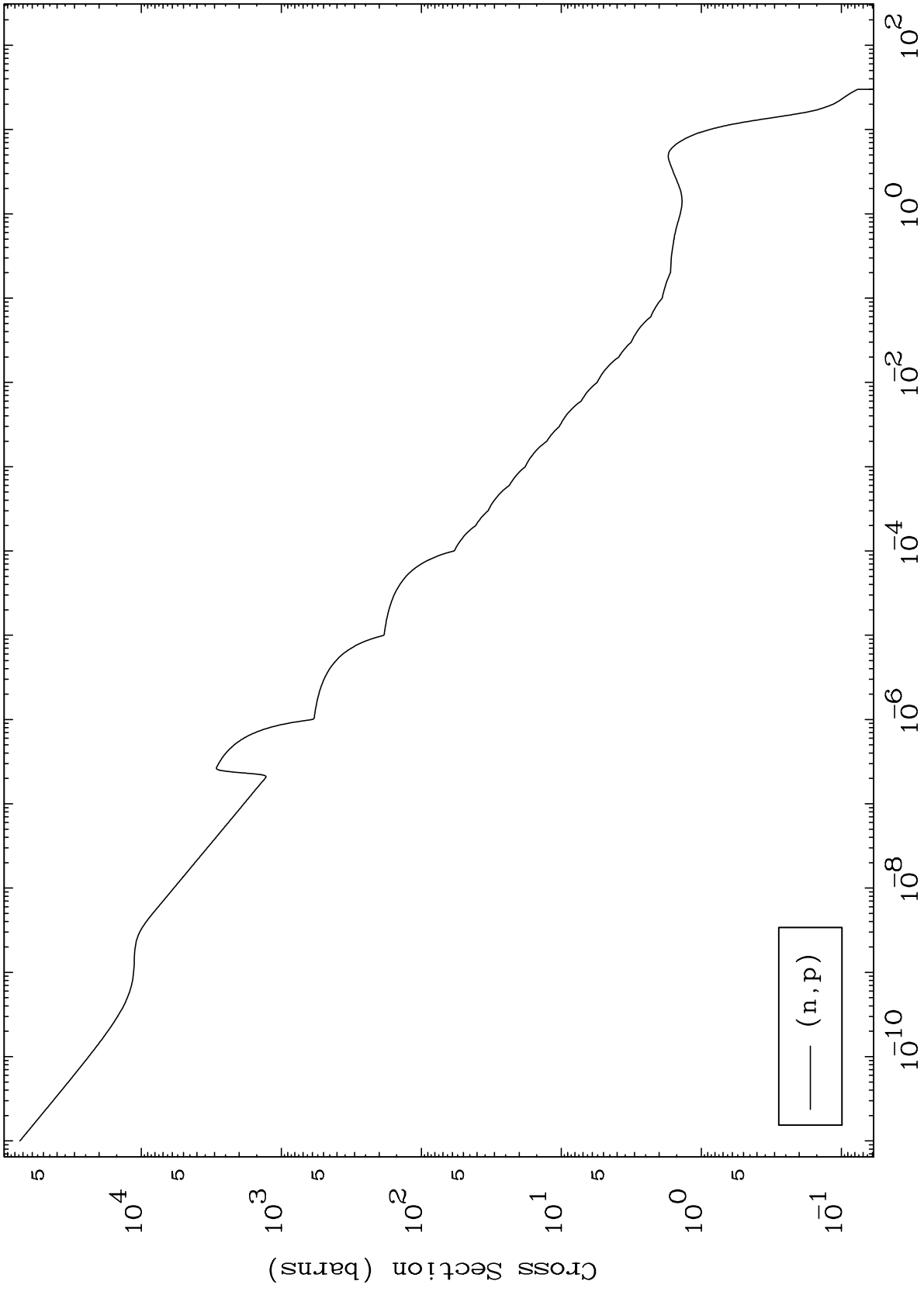
79-Au-176



MAT 7862

(n,p) Levels
293 Kelvin Cross Sections

79-Au-176



10

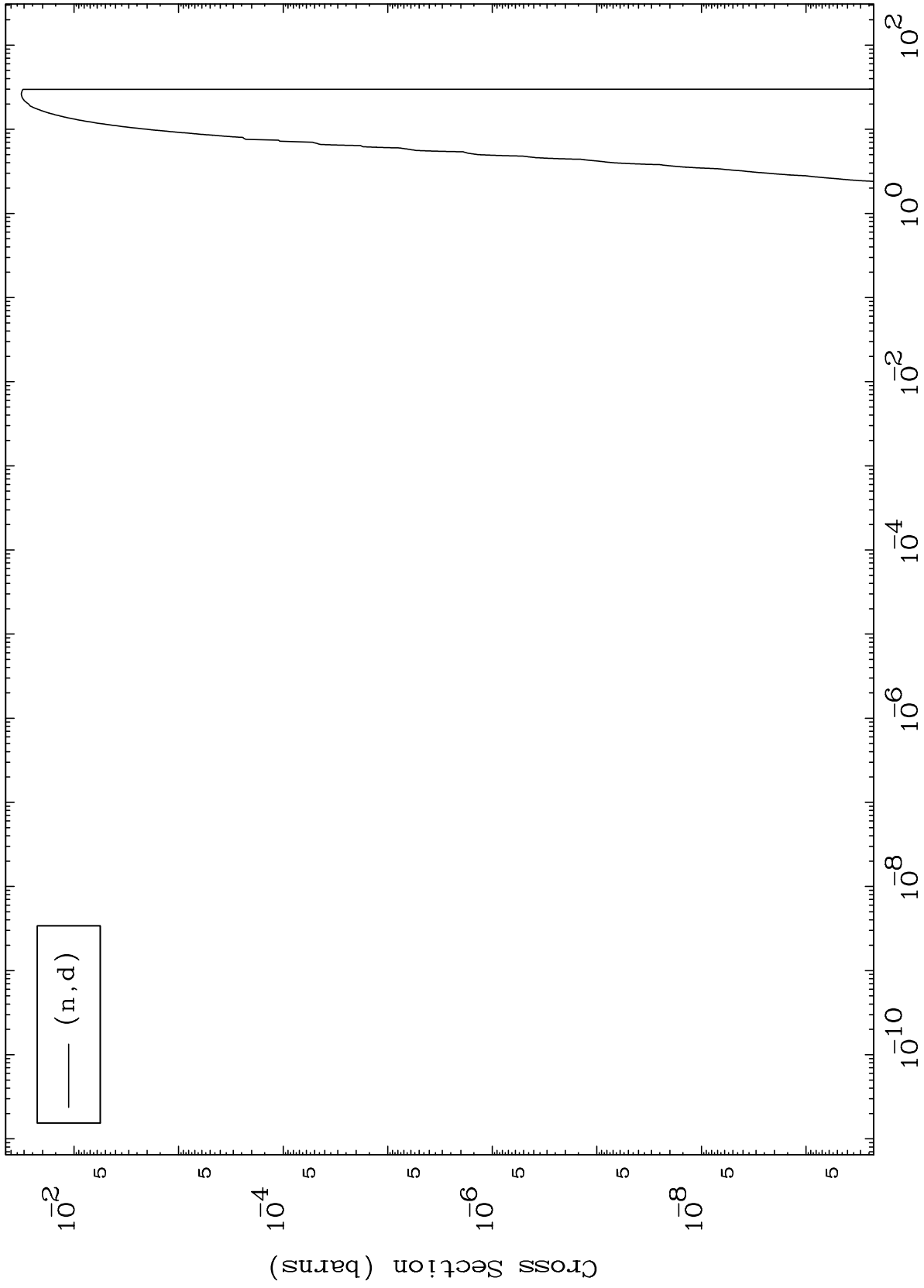
Incident Energy (MeV)

79-Au-176

MAT 7862

(n,d) Levels
293 Kelvin Cross Sections

79-Au-176



11

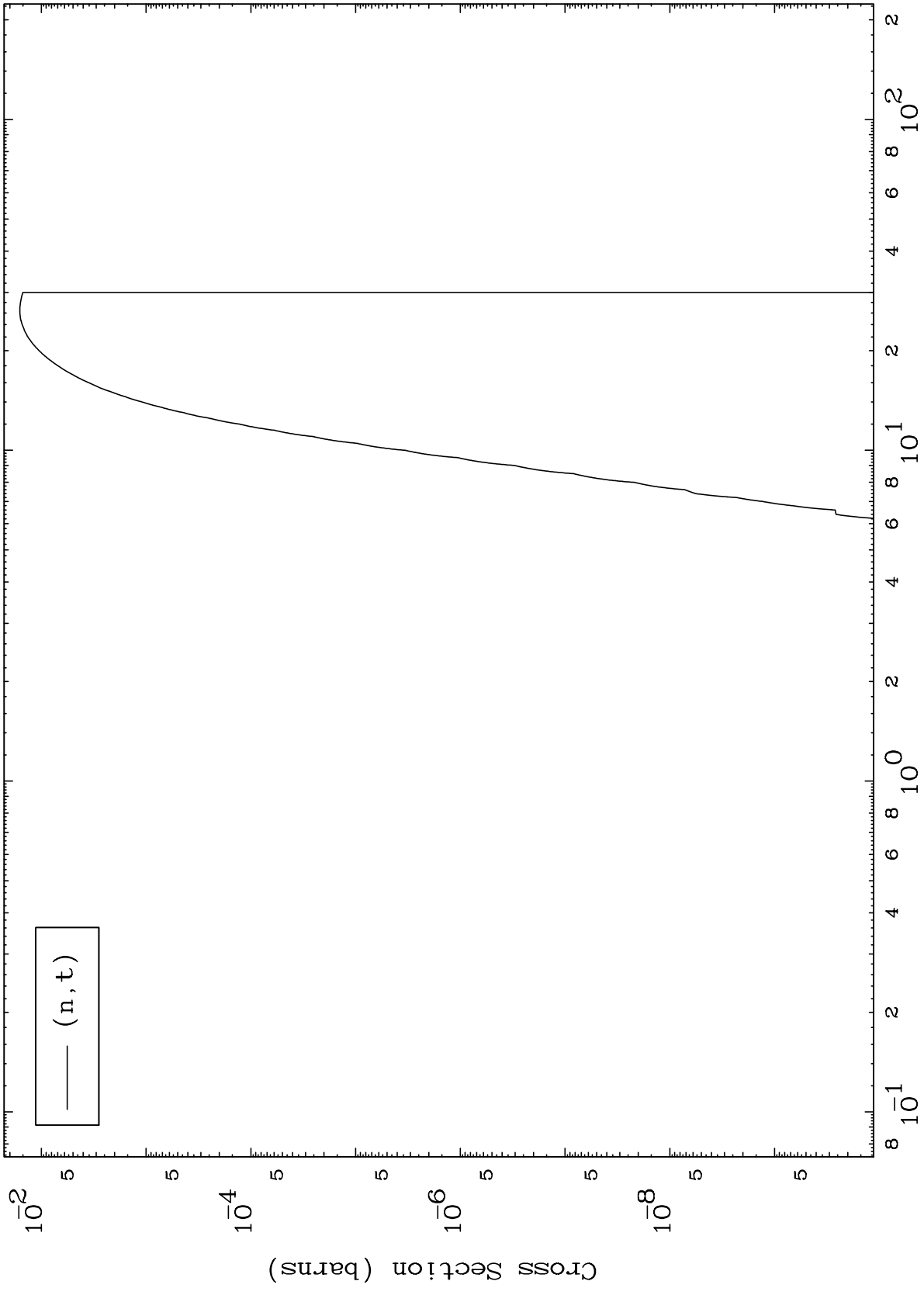
Incident Energy (MeV)

79-Au-176

MAT 7862

(n,t) Levels
293 Kelvin Cross Sections

⁷⁹Au-176



12

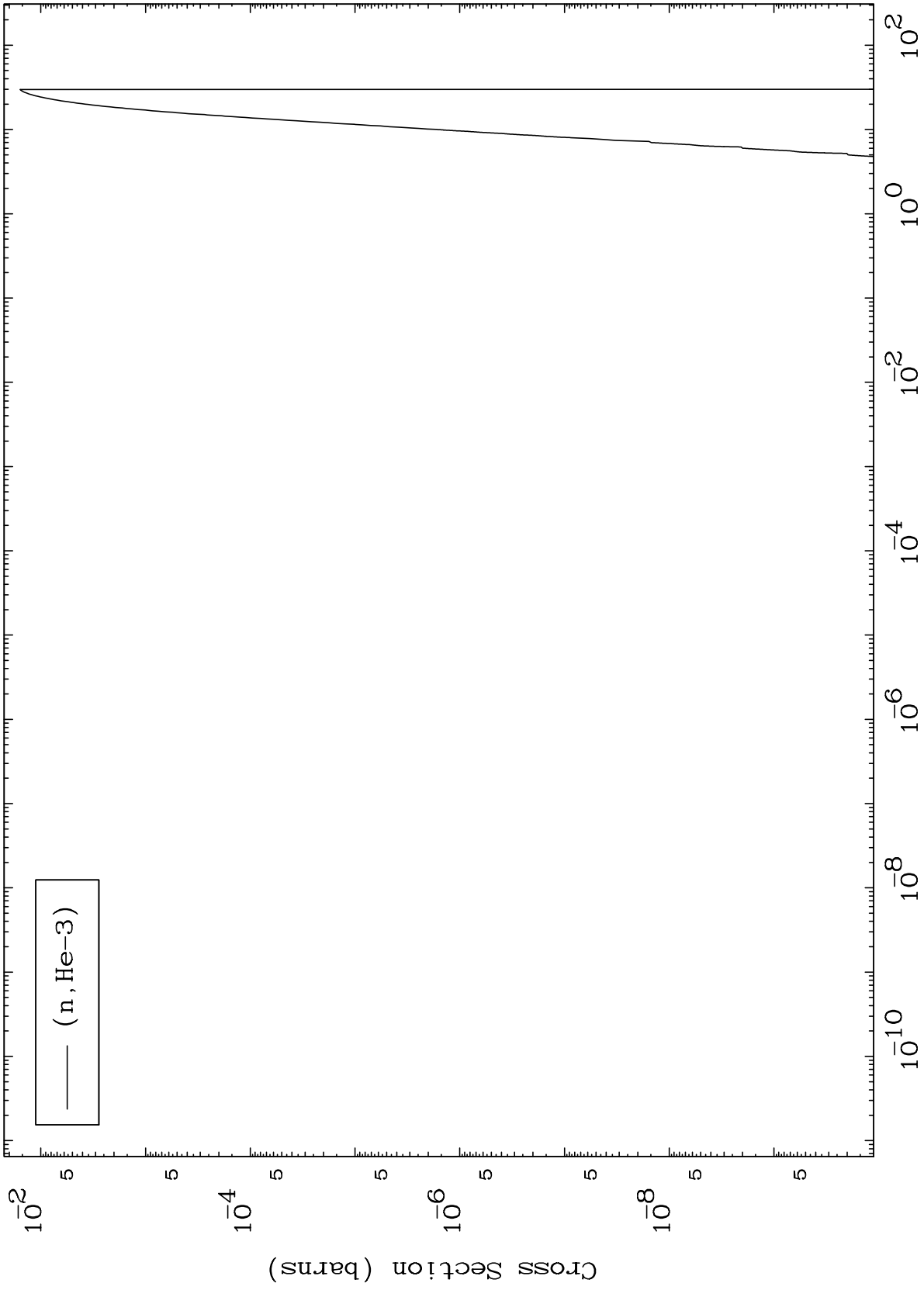
Incident Energy (MeV)

⁷⁹Au-176

MAT 7862

(n,He3) Levels
293 Kelvin Cross Sections

79-Au-176



13

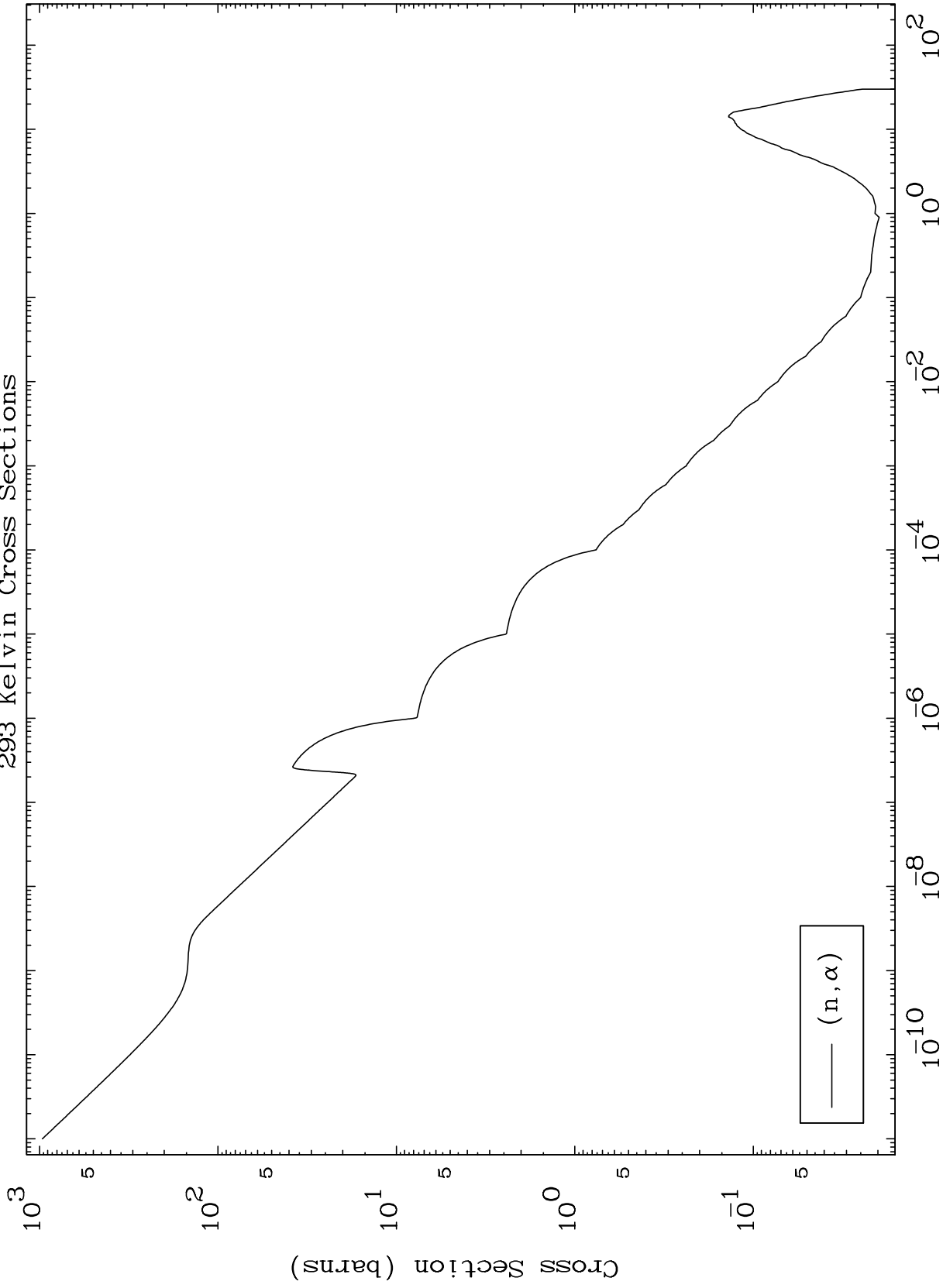
Incident Energy (MeV)

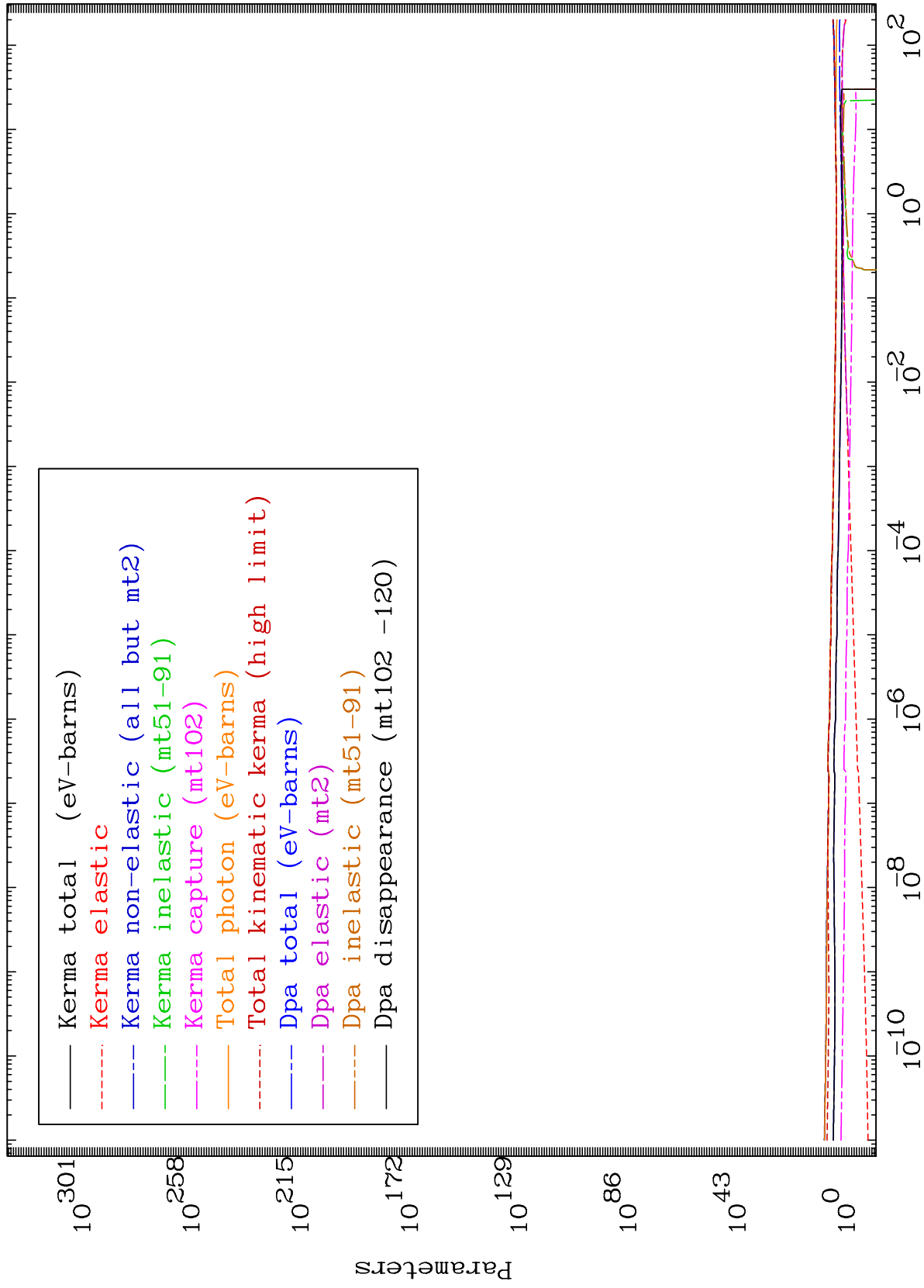
79-Au-176

MAT 7862

(n,α) Levels
293 Kelvin Cross Sections

79-Au-176

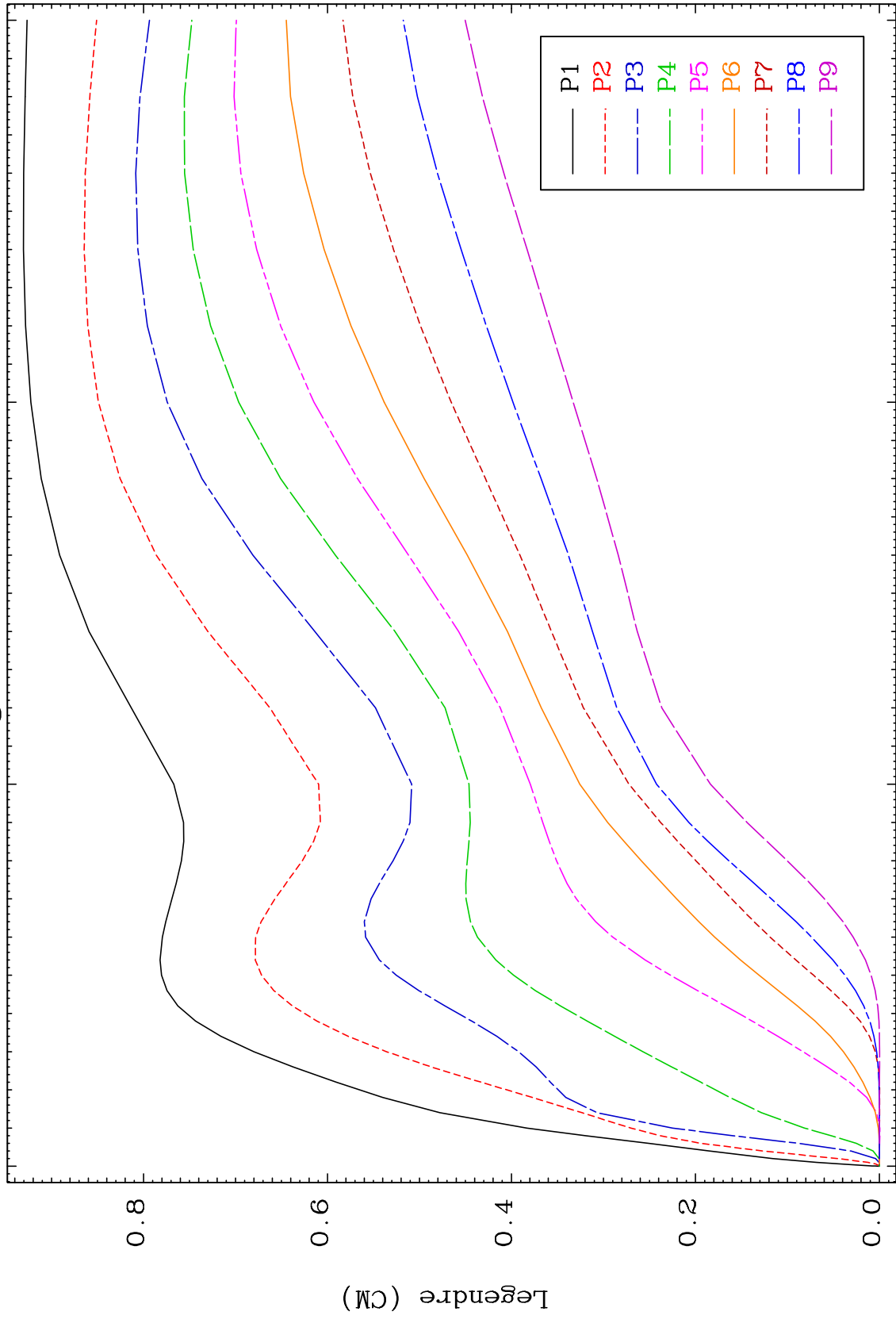




MAT 7862

Elastic Legendre Coefficients

⁷⁹Au-176



0

16

10

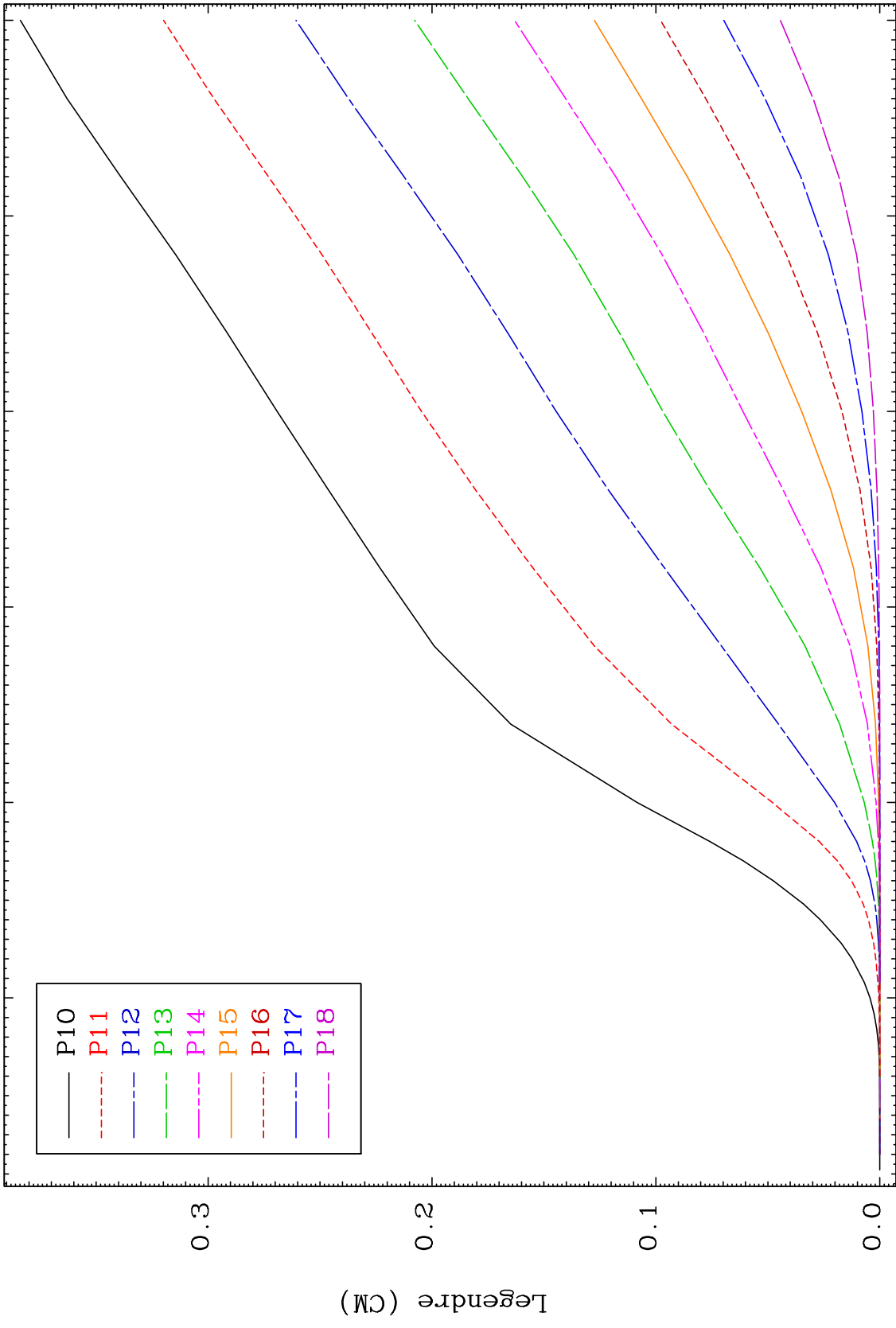
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30

MAT 7862

Elastic Legendre Coefficients

⁷⁹Au-176



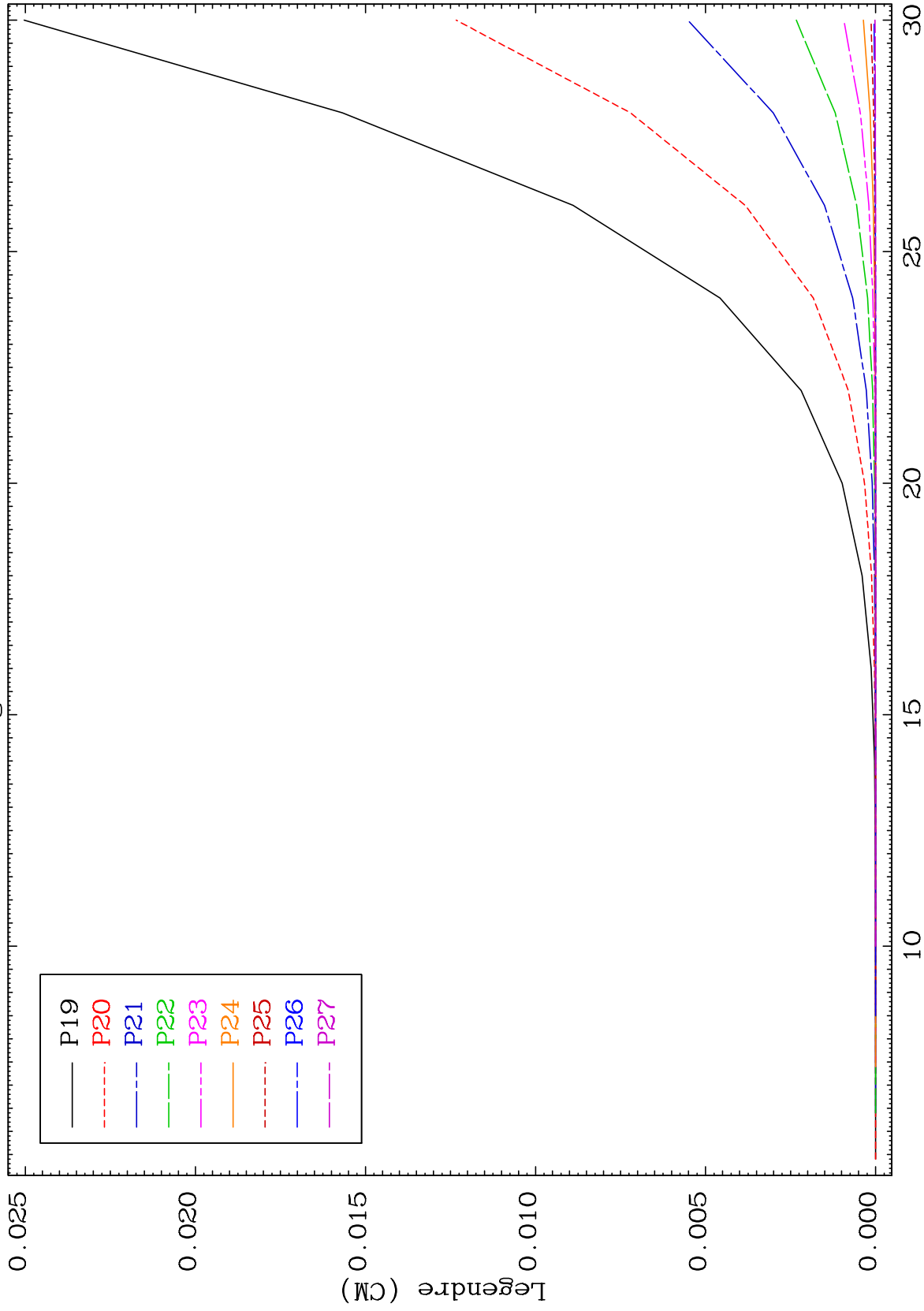
17

⁷⁹Au-176

MAT 7862

Elastic Legendre Coefficients

⁷⁹Au-176



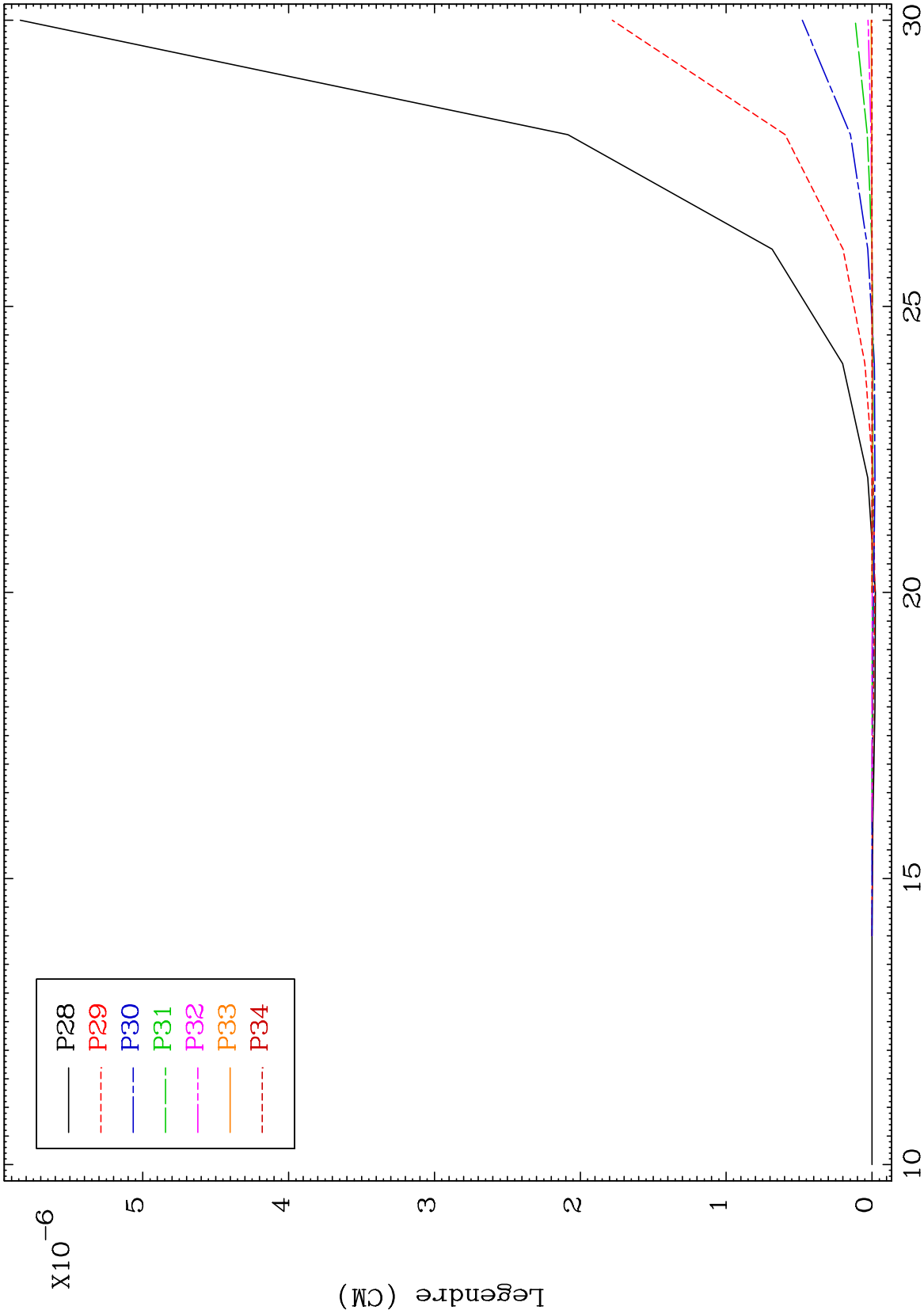
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⁷⁹Au-176

MAT 7862

Elastic Legendre Coefficients

79-Au-176



19

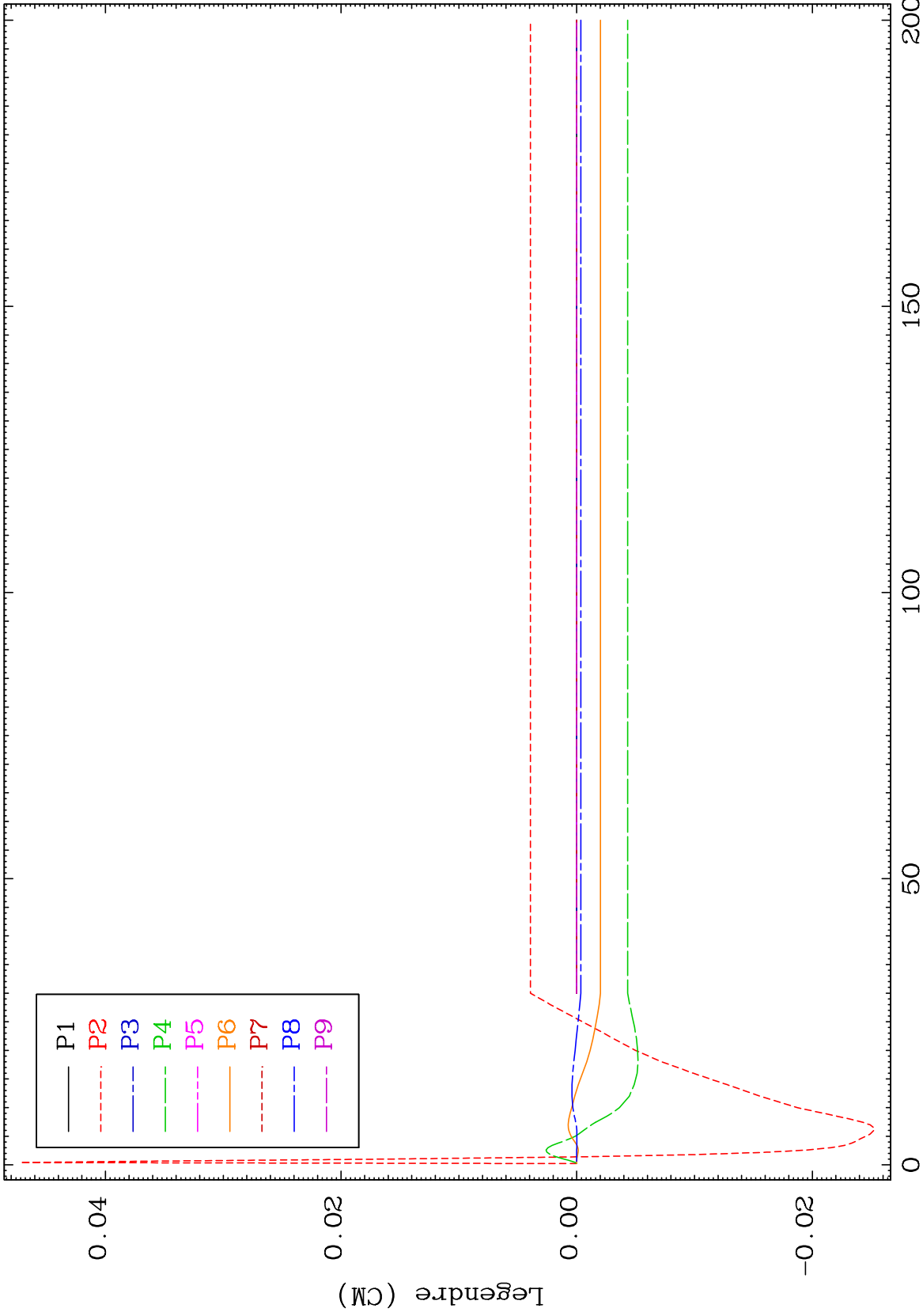
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



79-Au-176

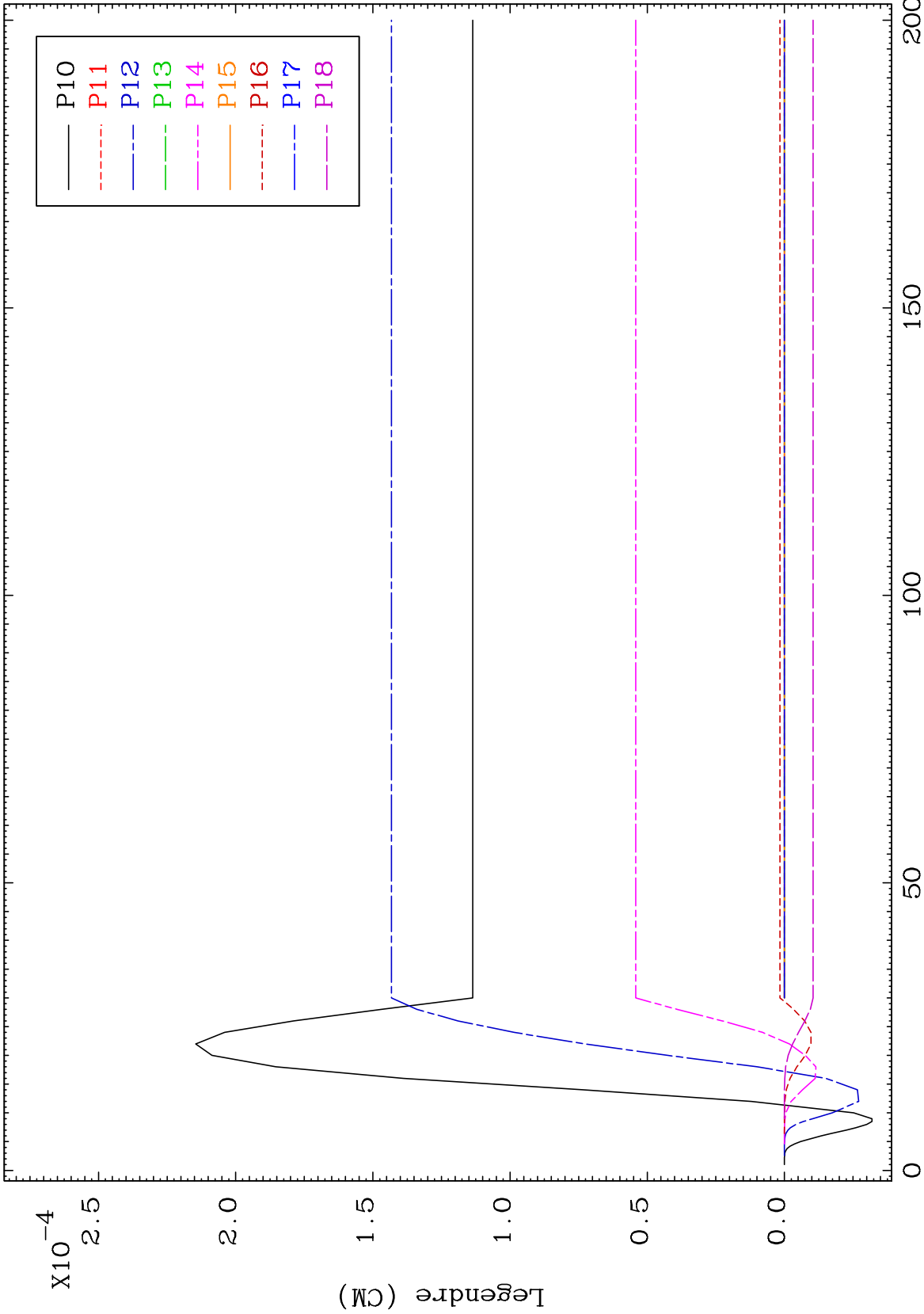
Incident Energy (MeV)

20

MAT 7862

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

79-Au-176



21

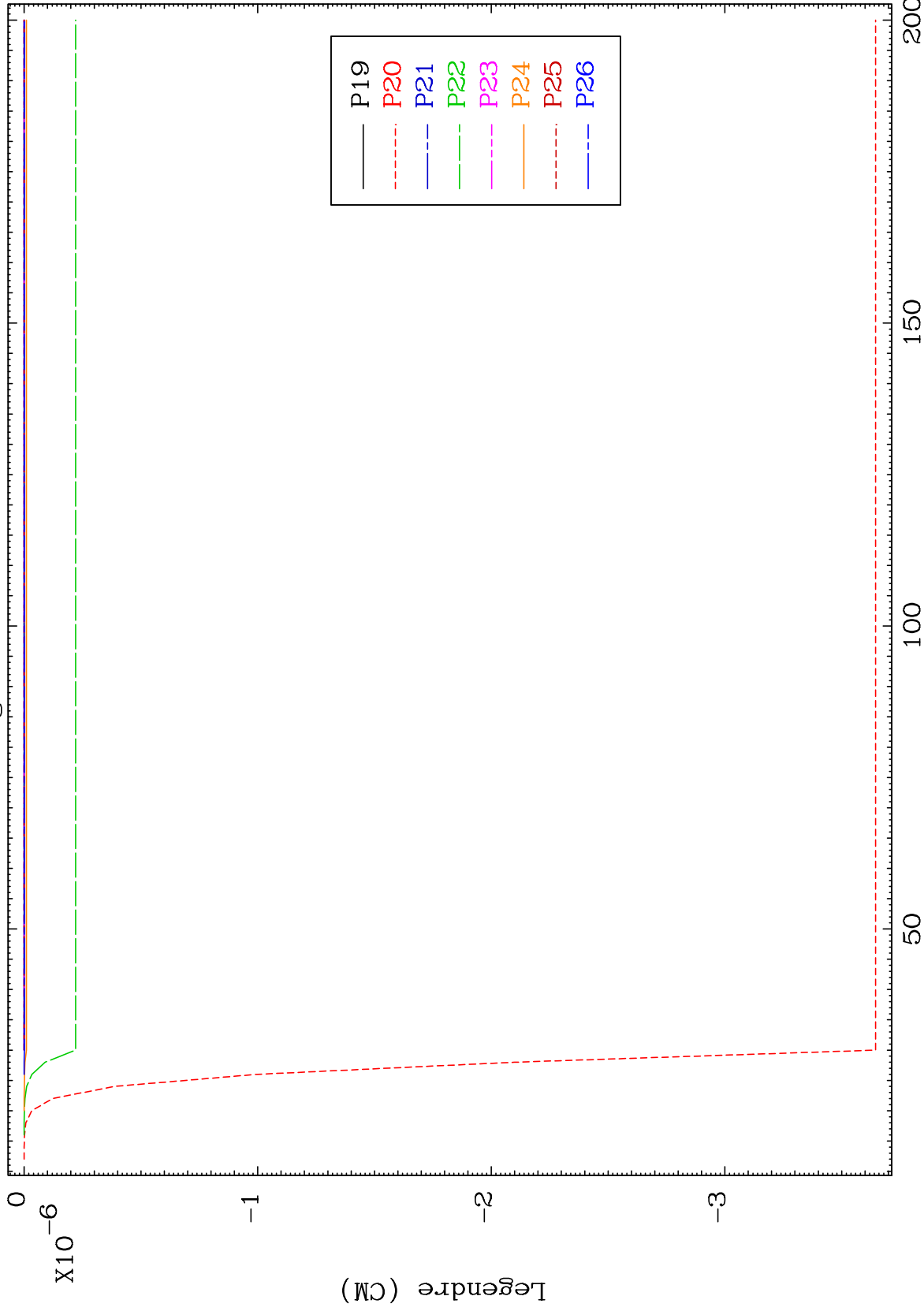
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



22

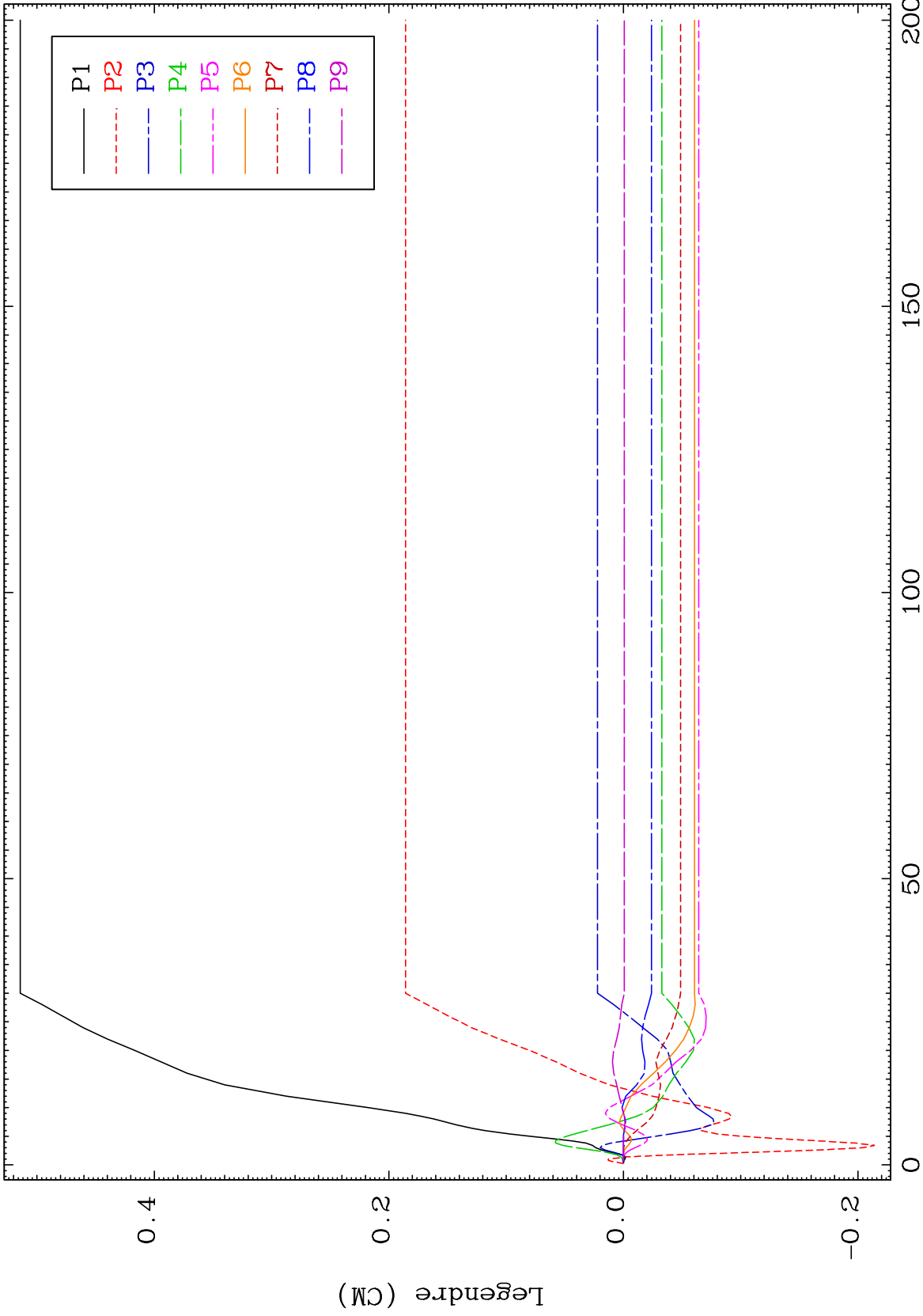
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



23

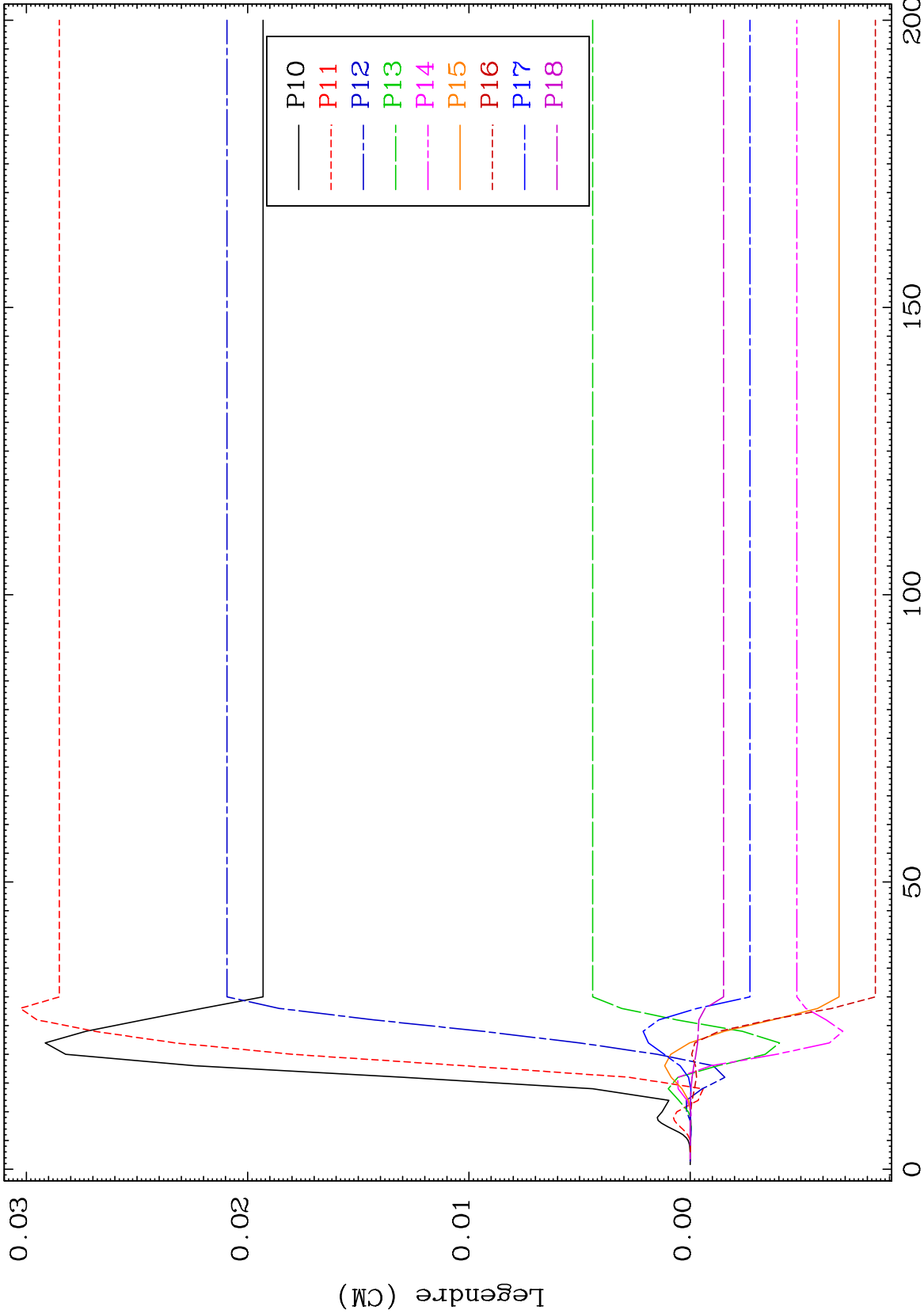
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



24

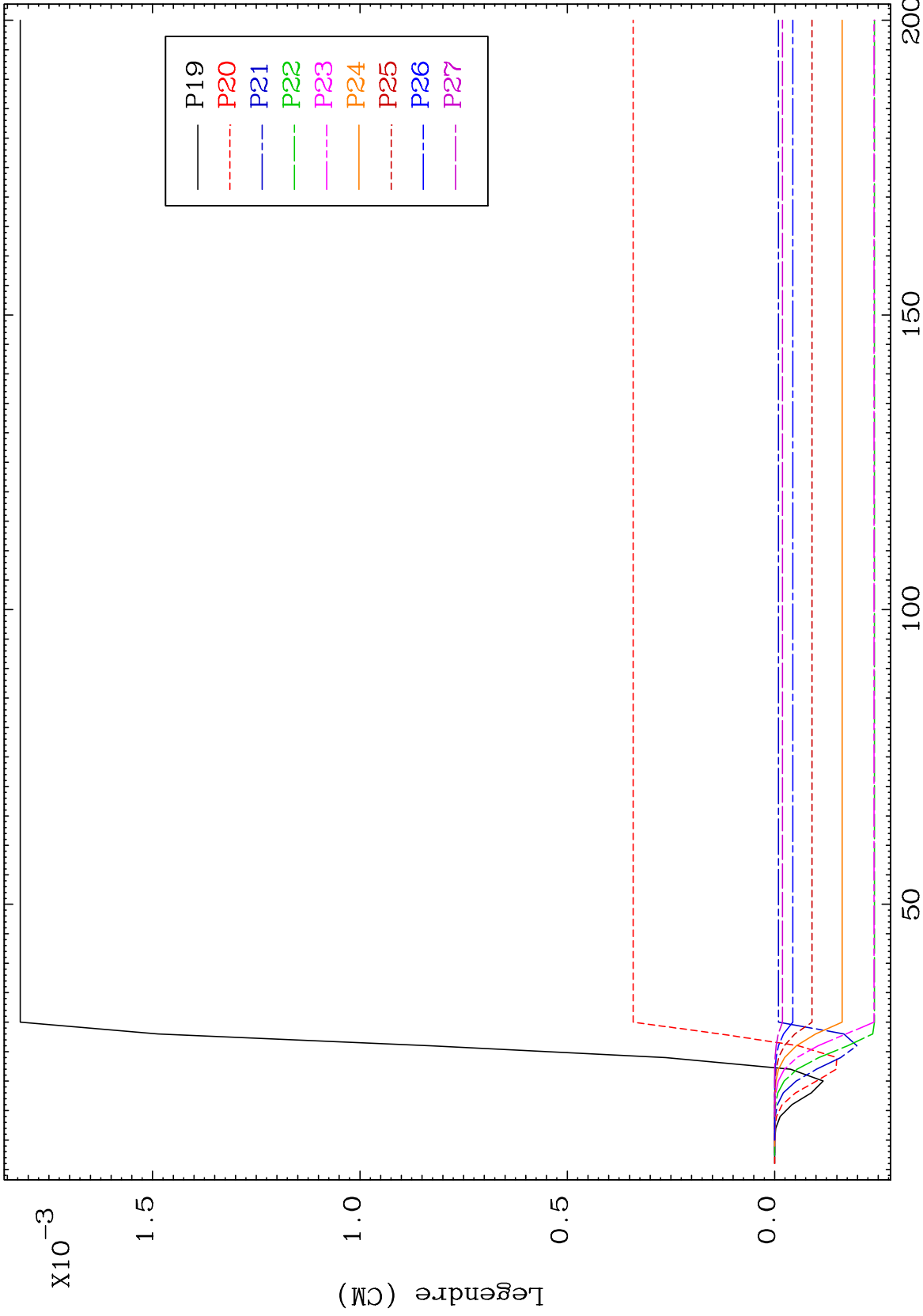
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



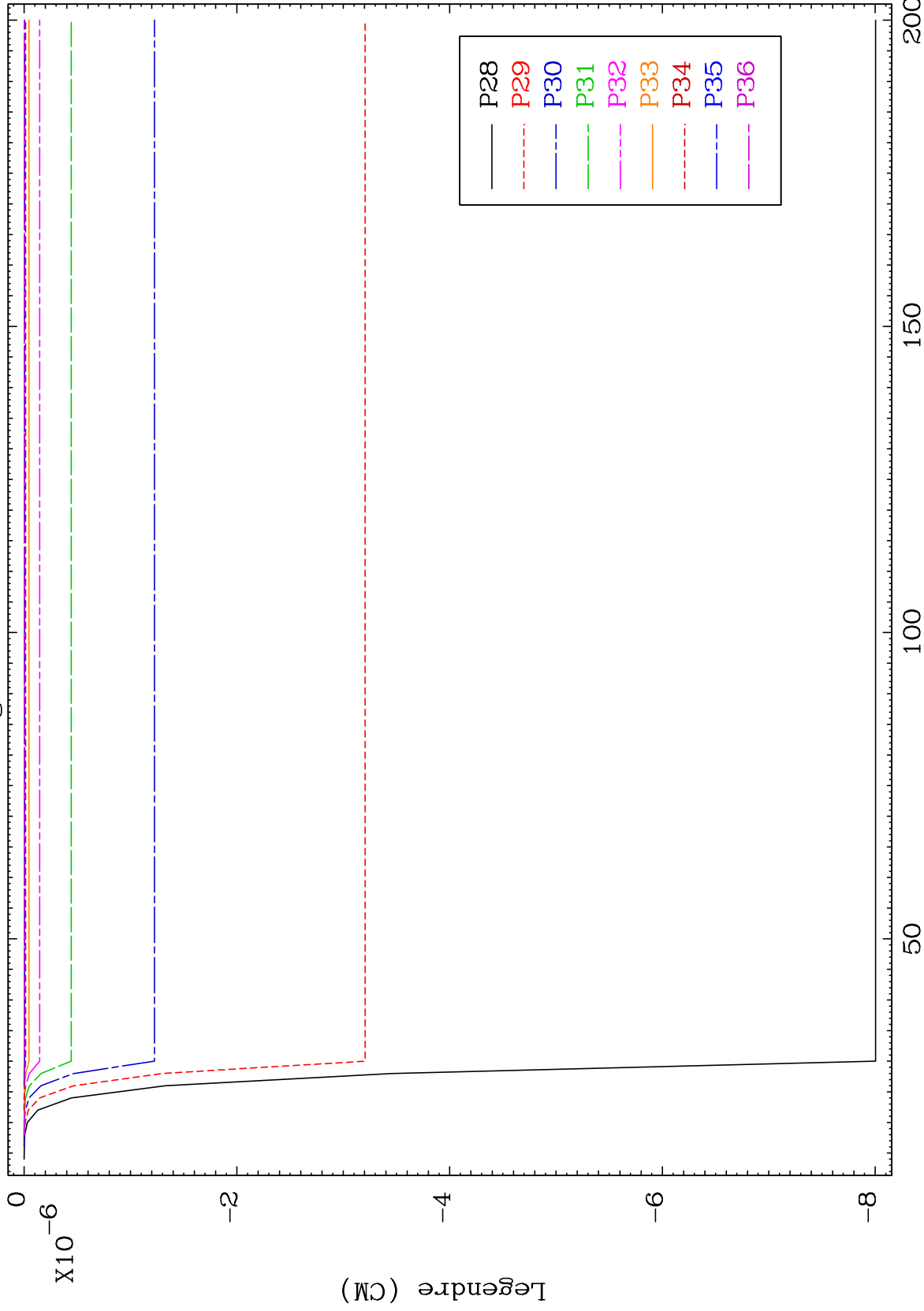
25

79-Au-176

MAT 7862

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

79-Au-176



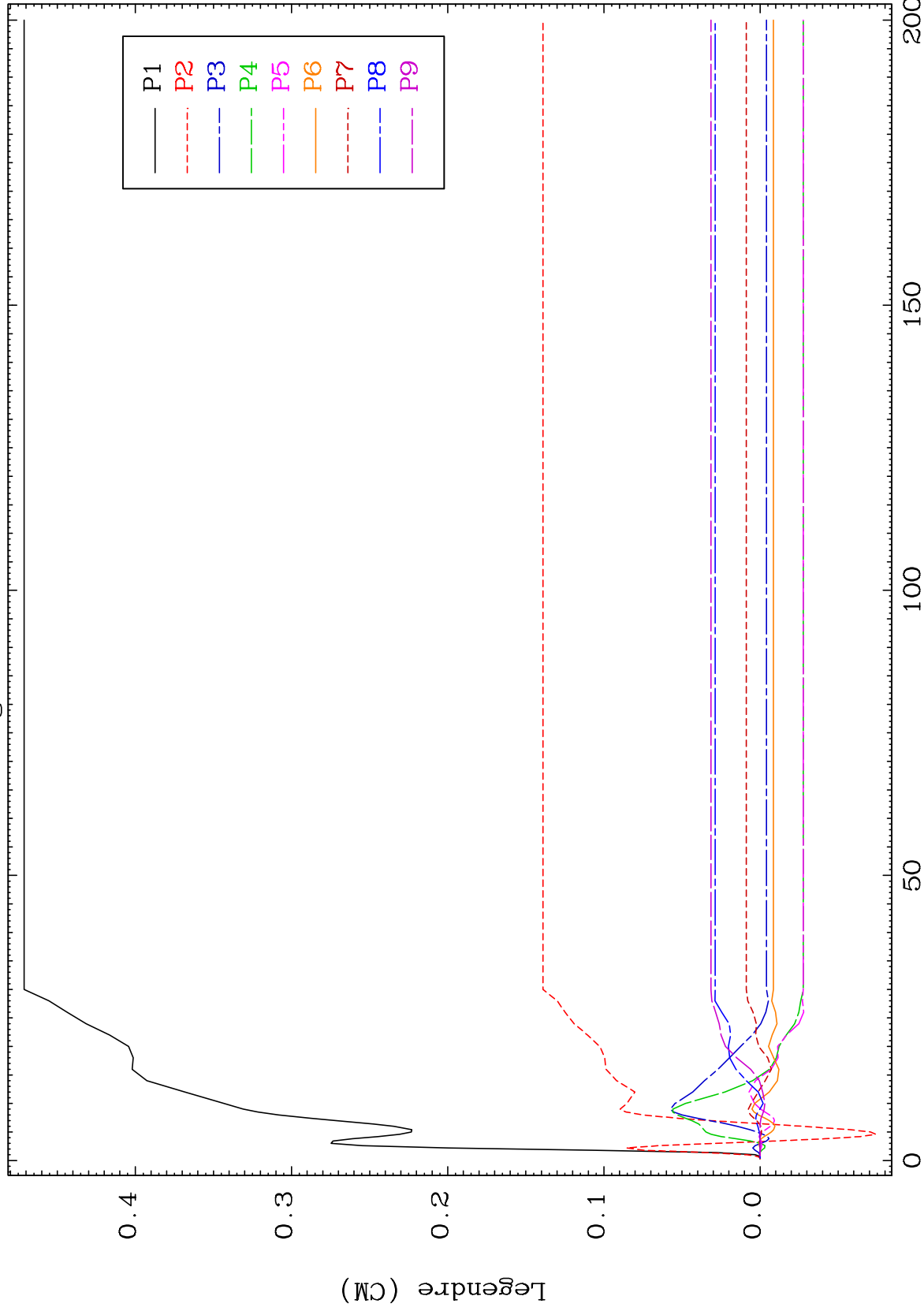
26

79-Au-176

MAT 7862

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

79-Au-176



27

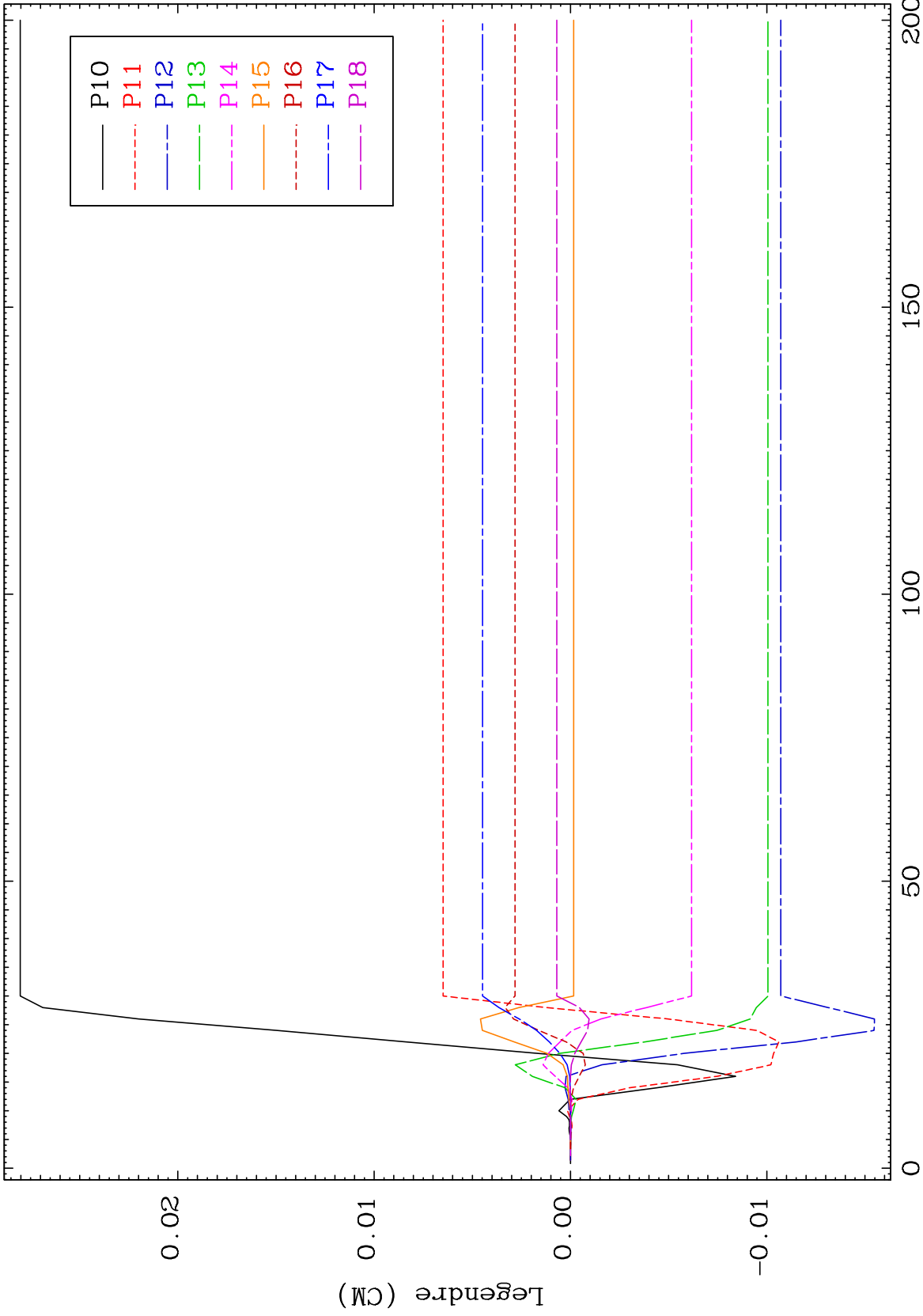
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



28

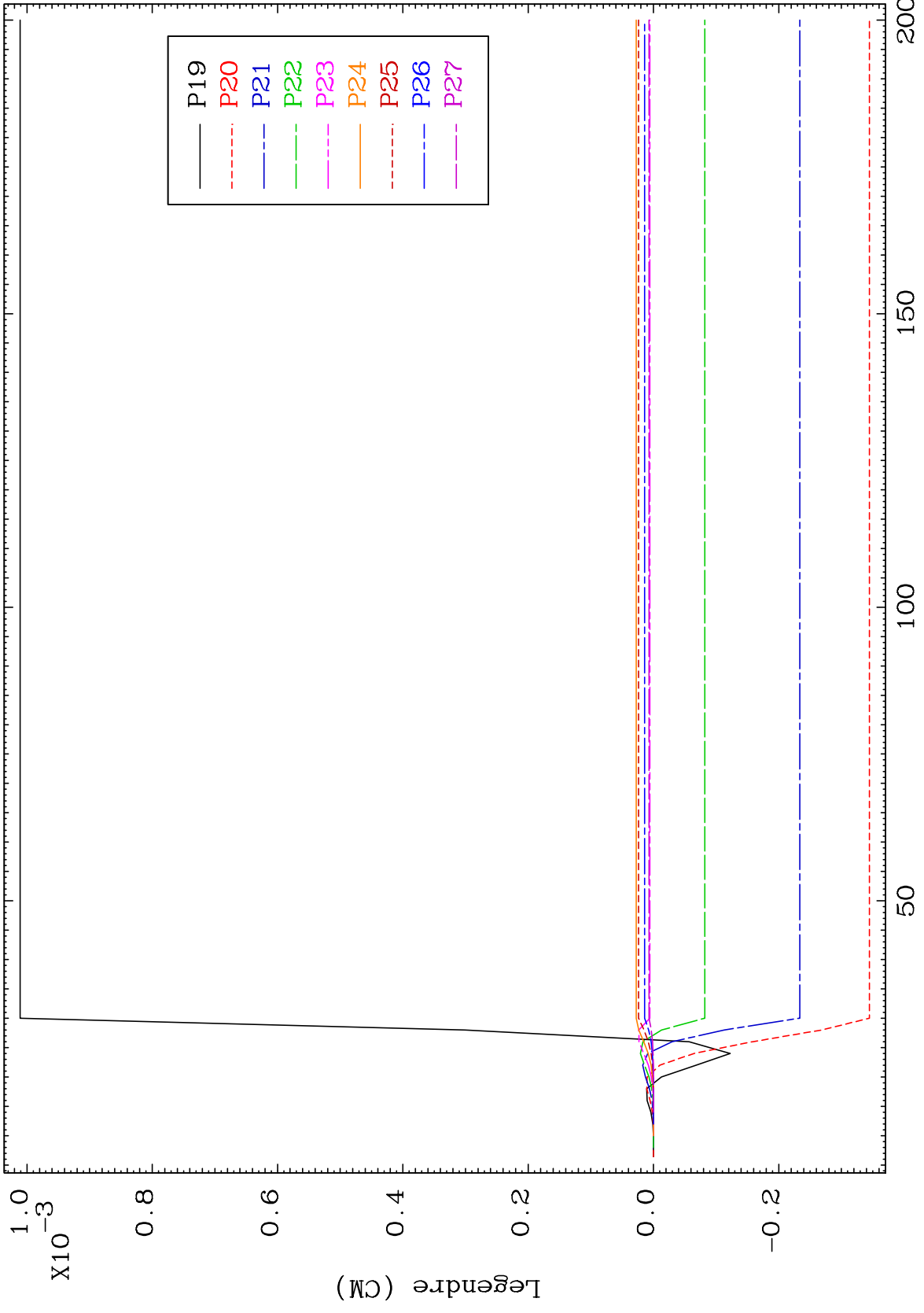
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



29

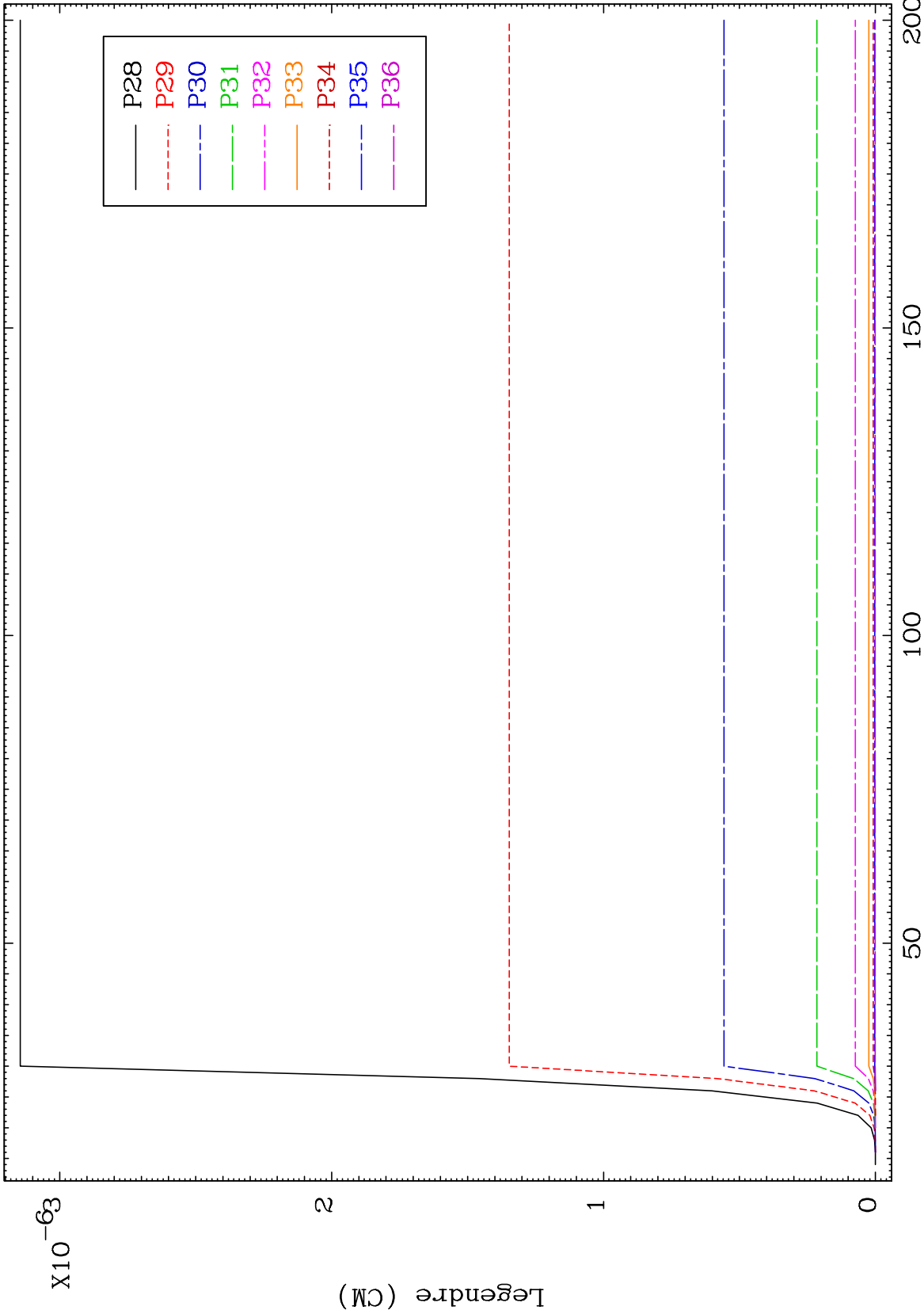
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



30

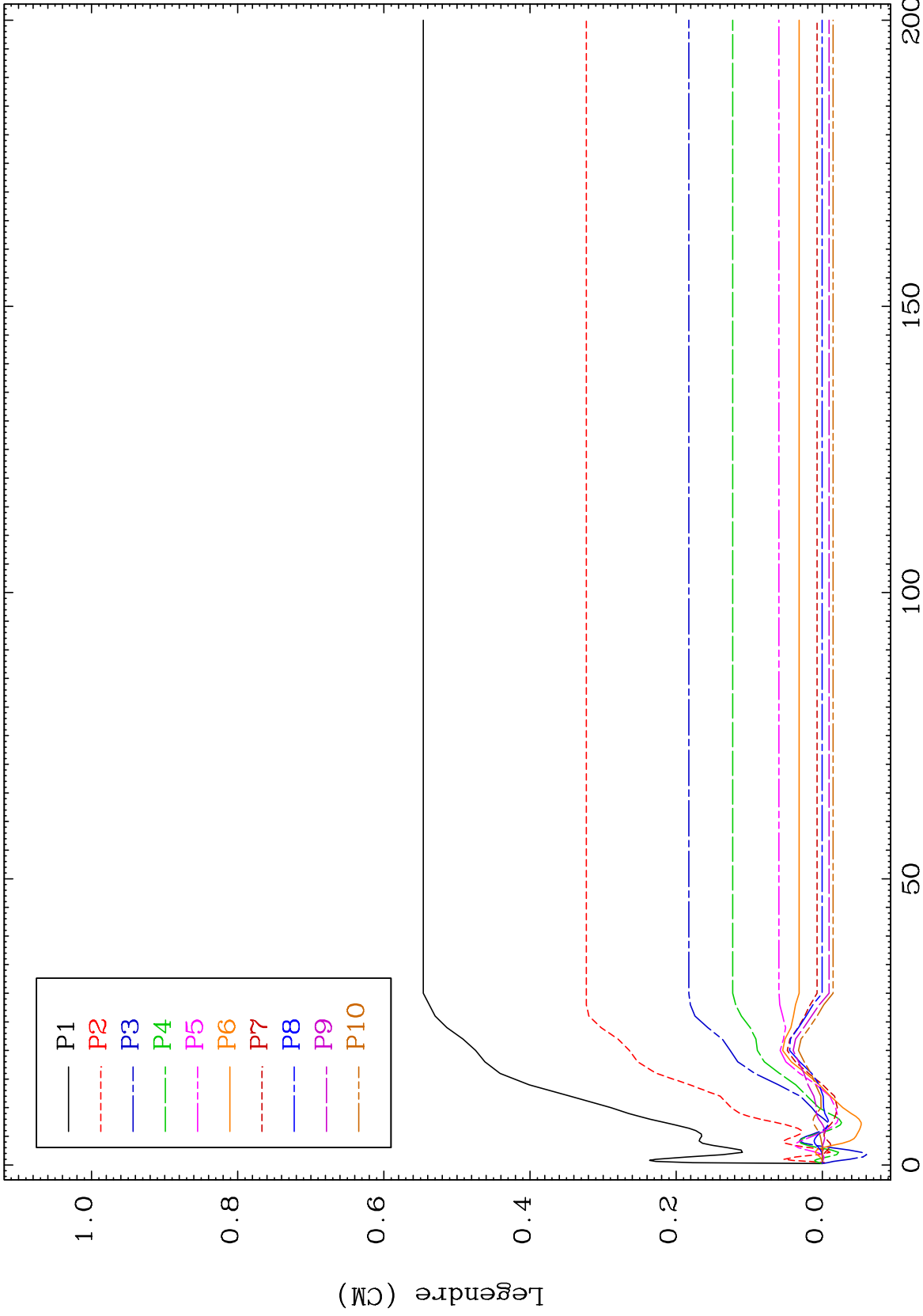
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



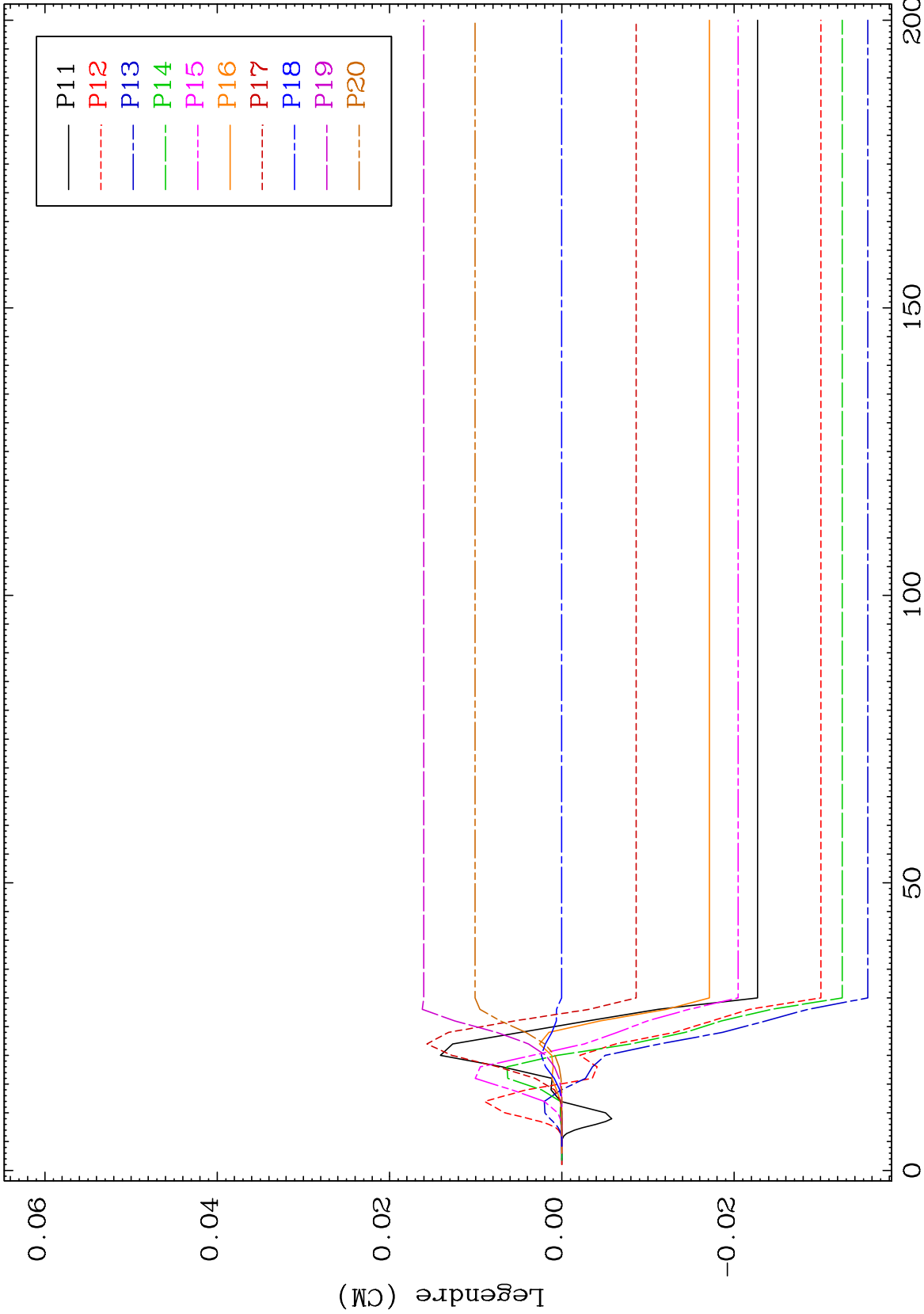
31

79-Au-176

MAT 7862

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

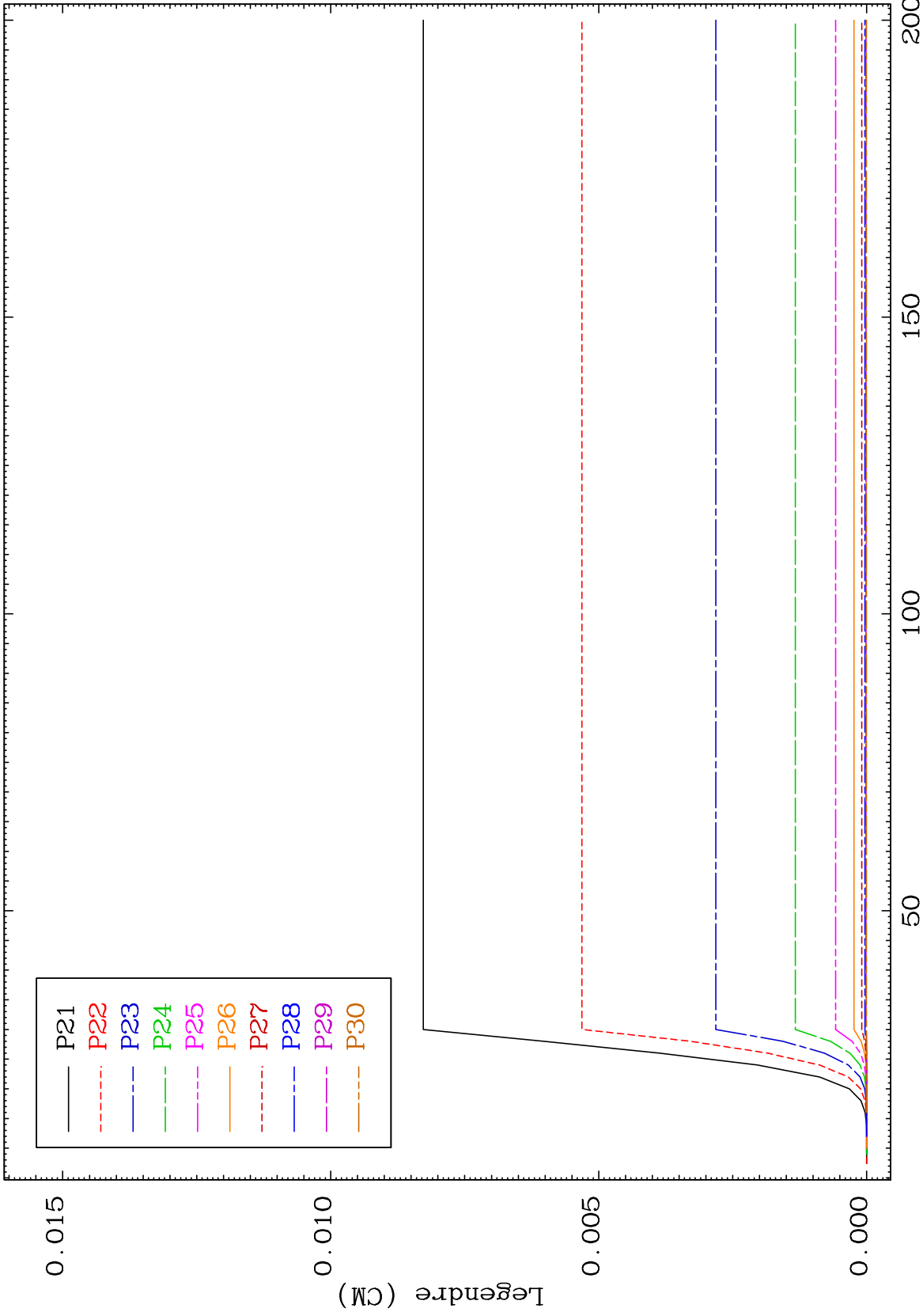
79-Au-176



32

Incident Energy (MeV)

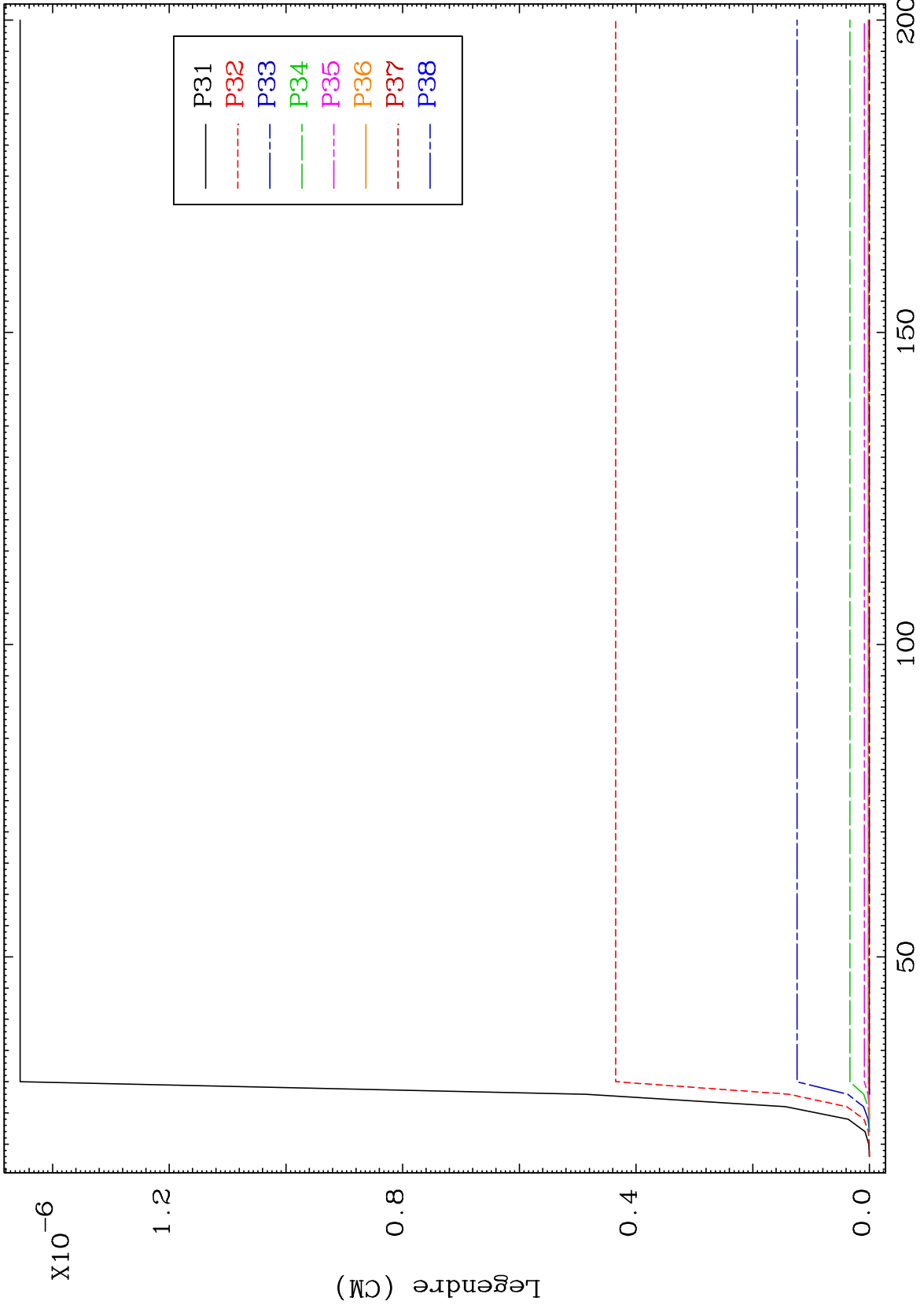
79-Au-176



MAT 7862

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

79-Au-176



34

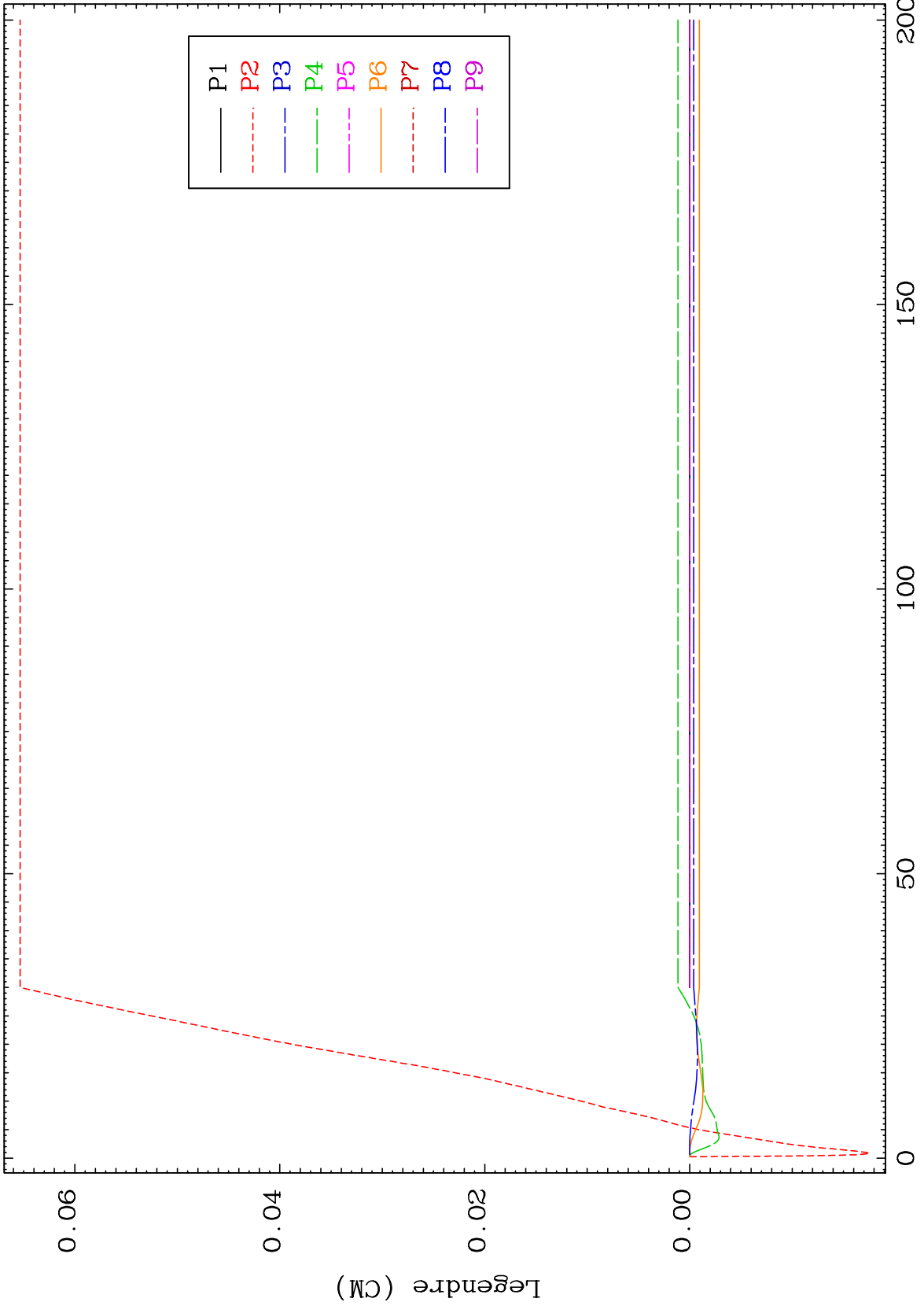
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



79-Au-176

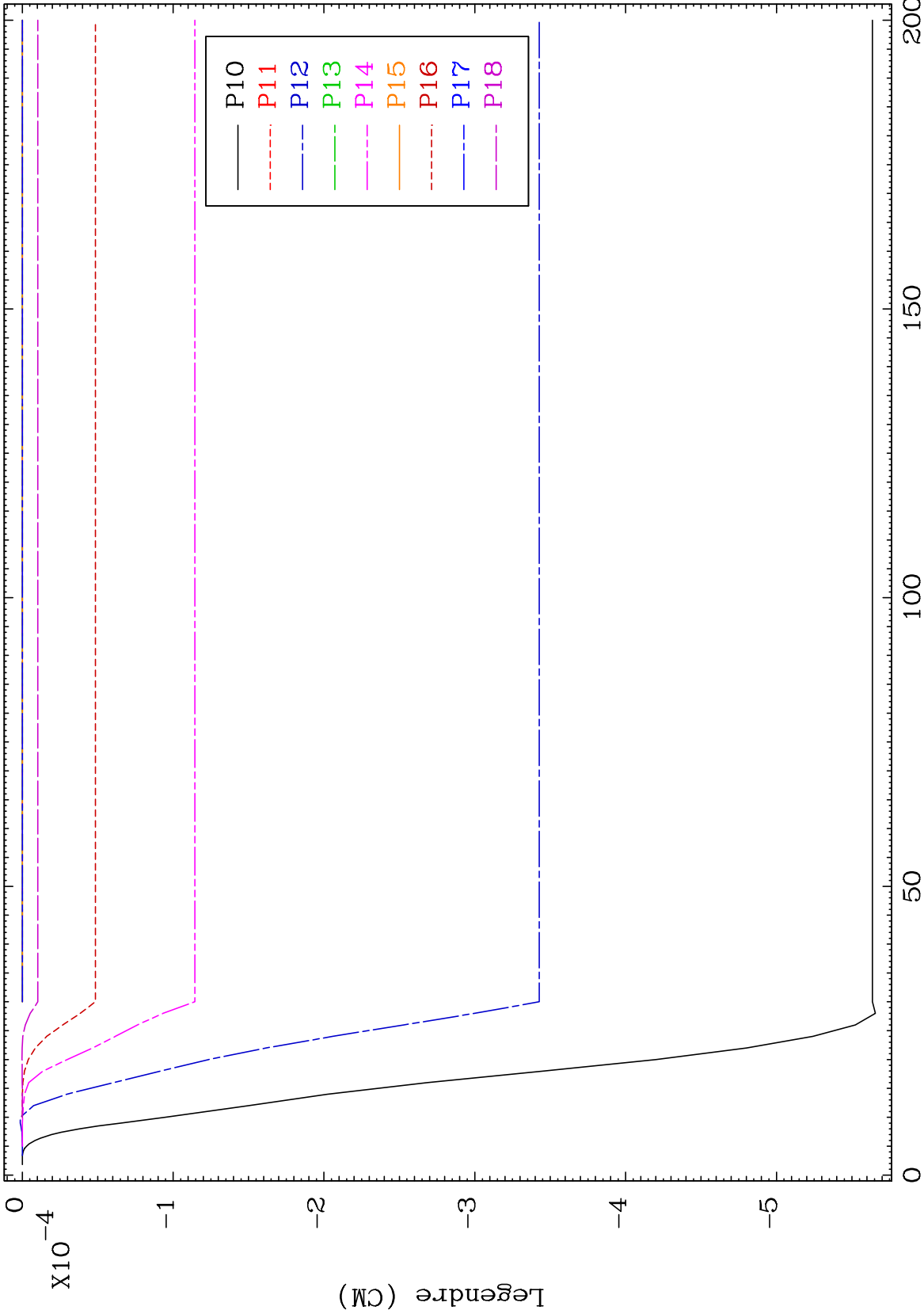
Incident Energy (MeV)

35

MAT 7862

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

79-Au-176



36

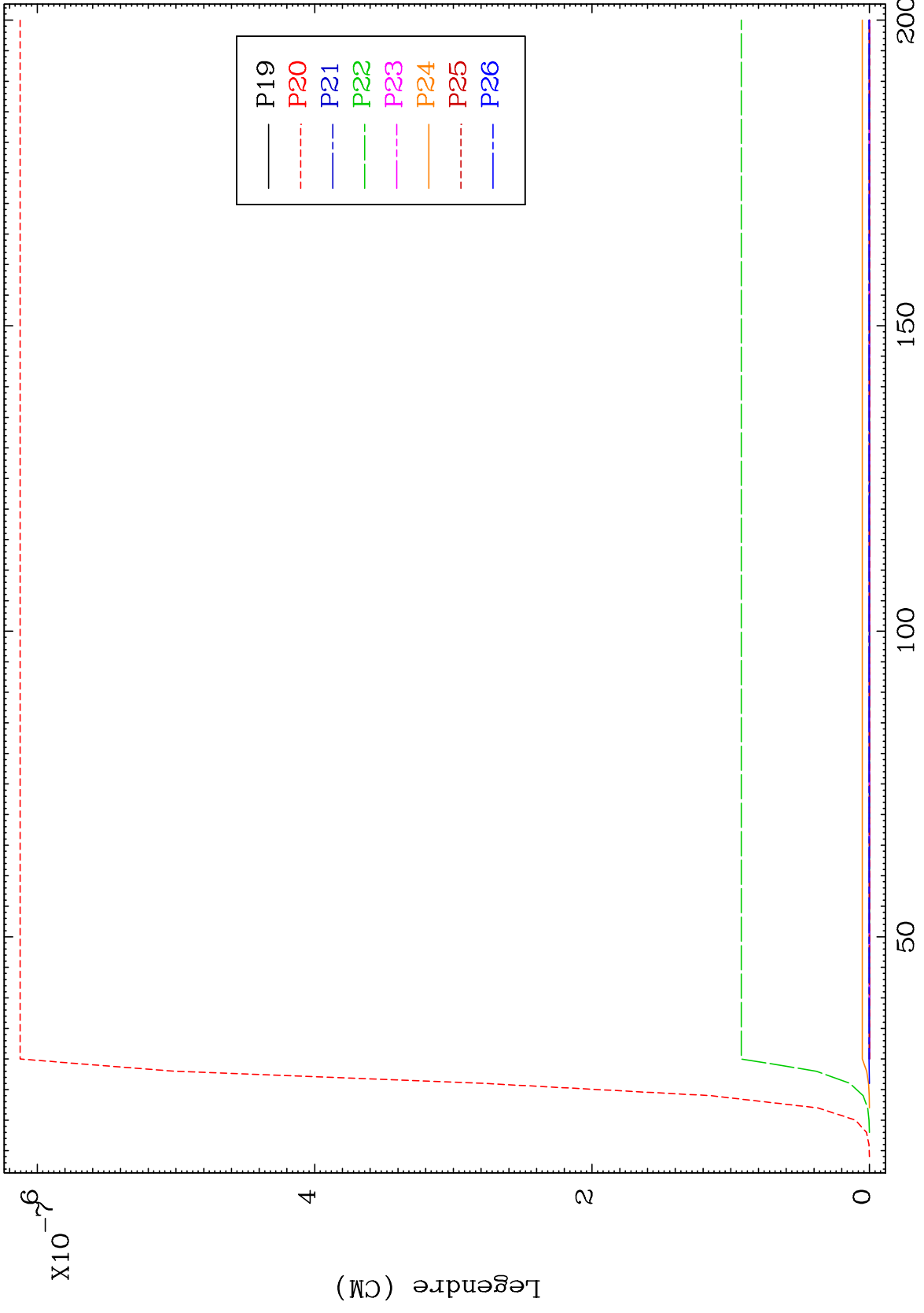
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



37

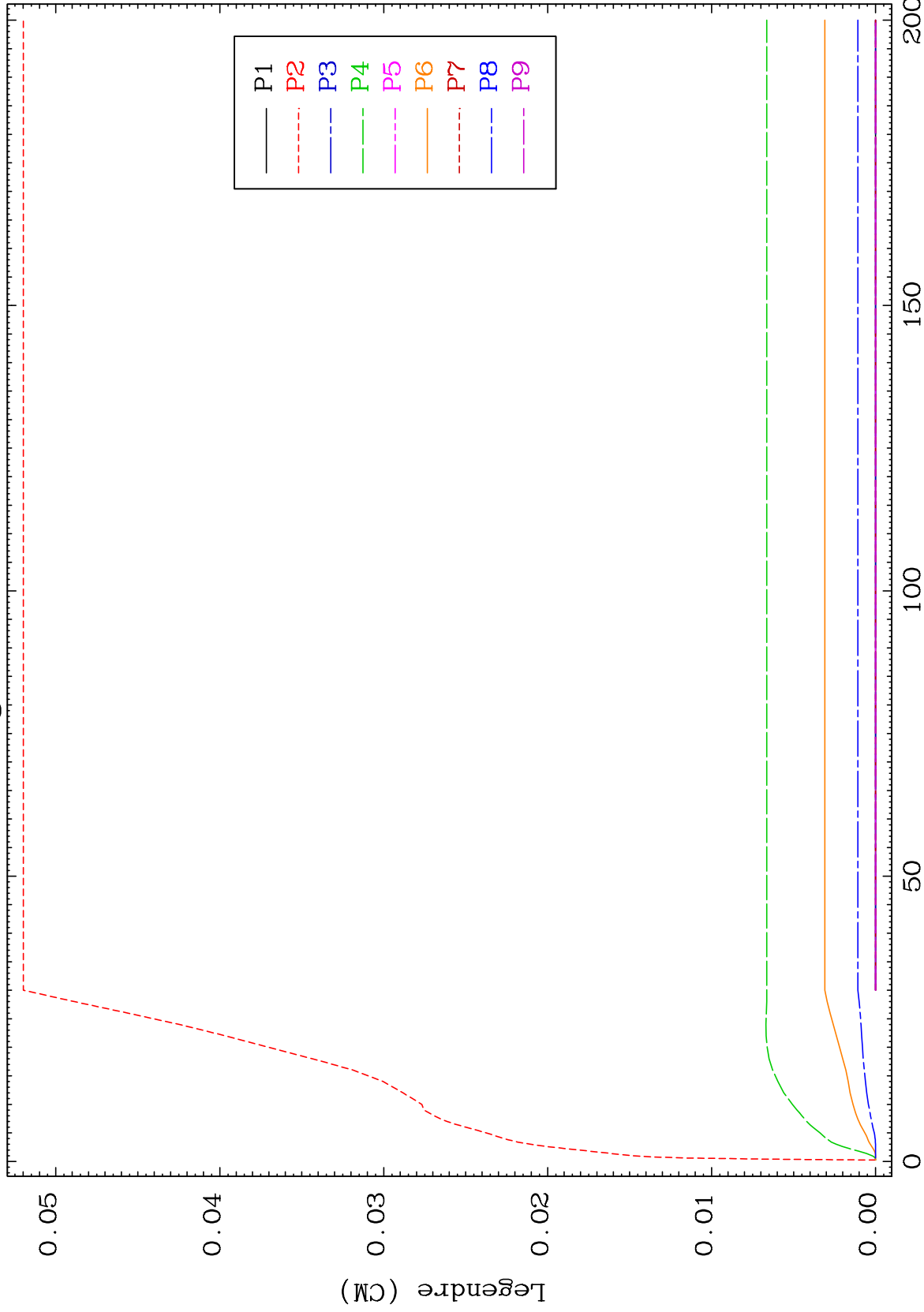
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



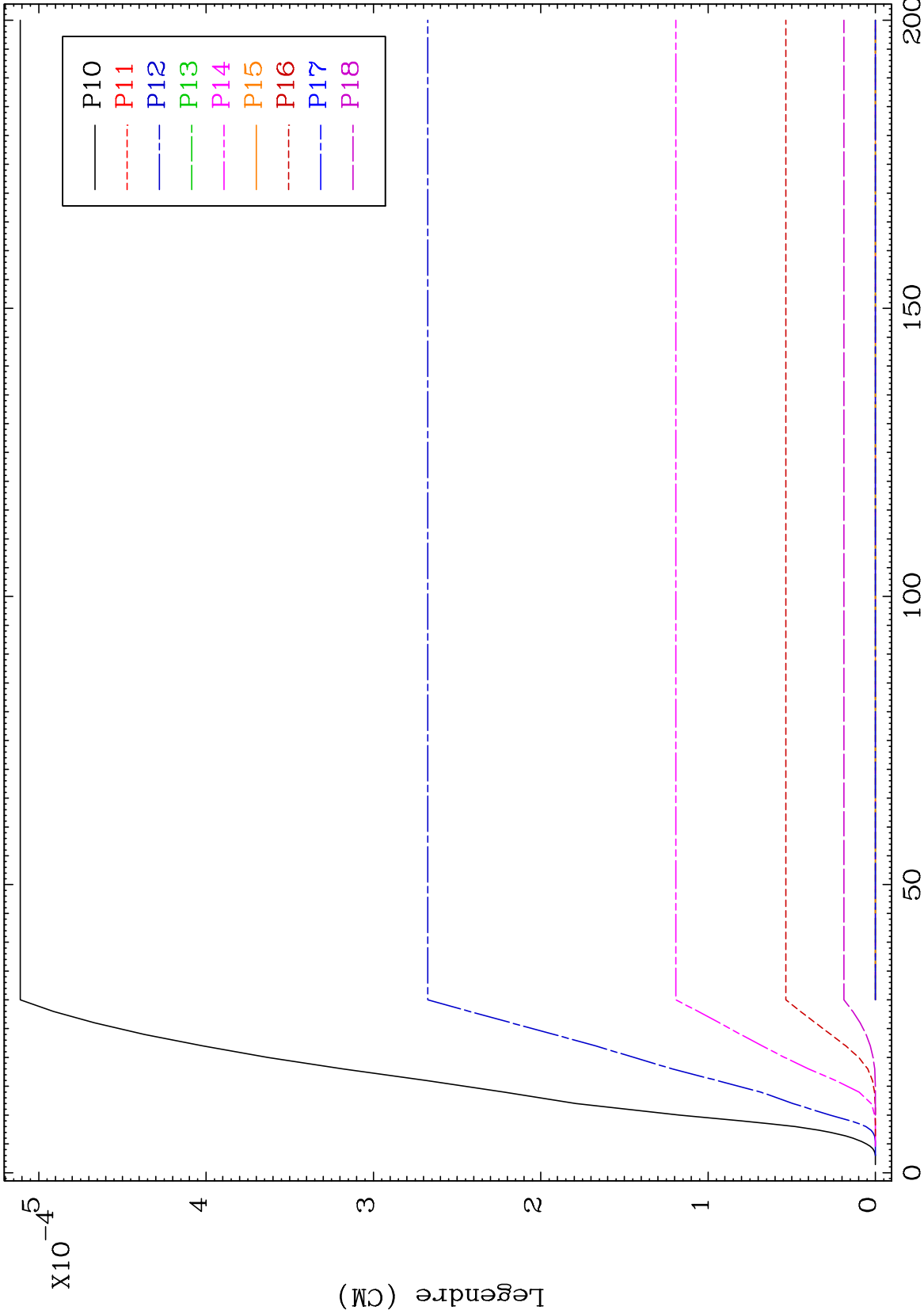
38

79-Au-176

MAT 7862

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

79-Au-176



39

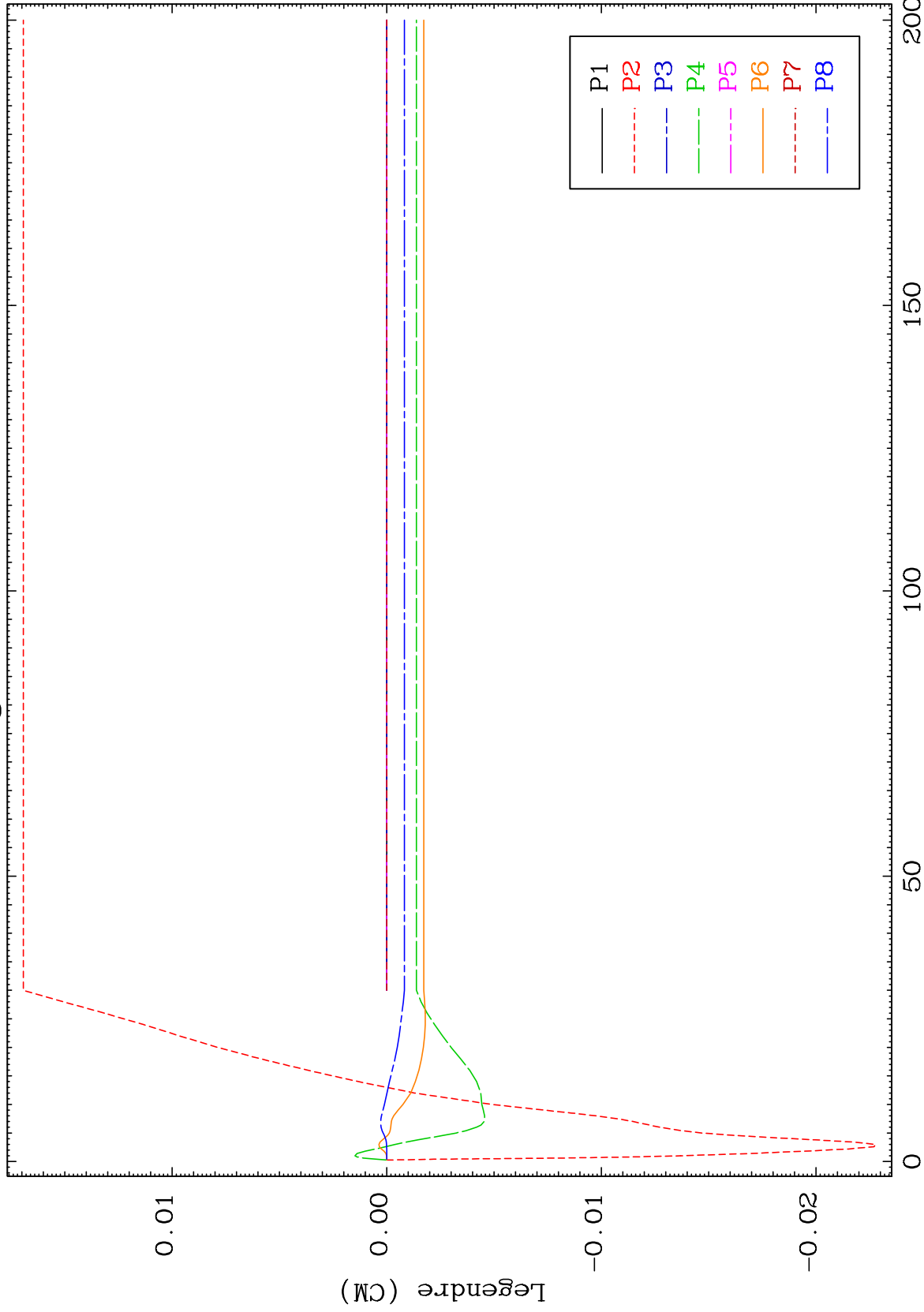
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



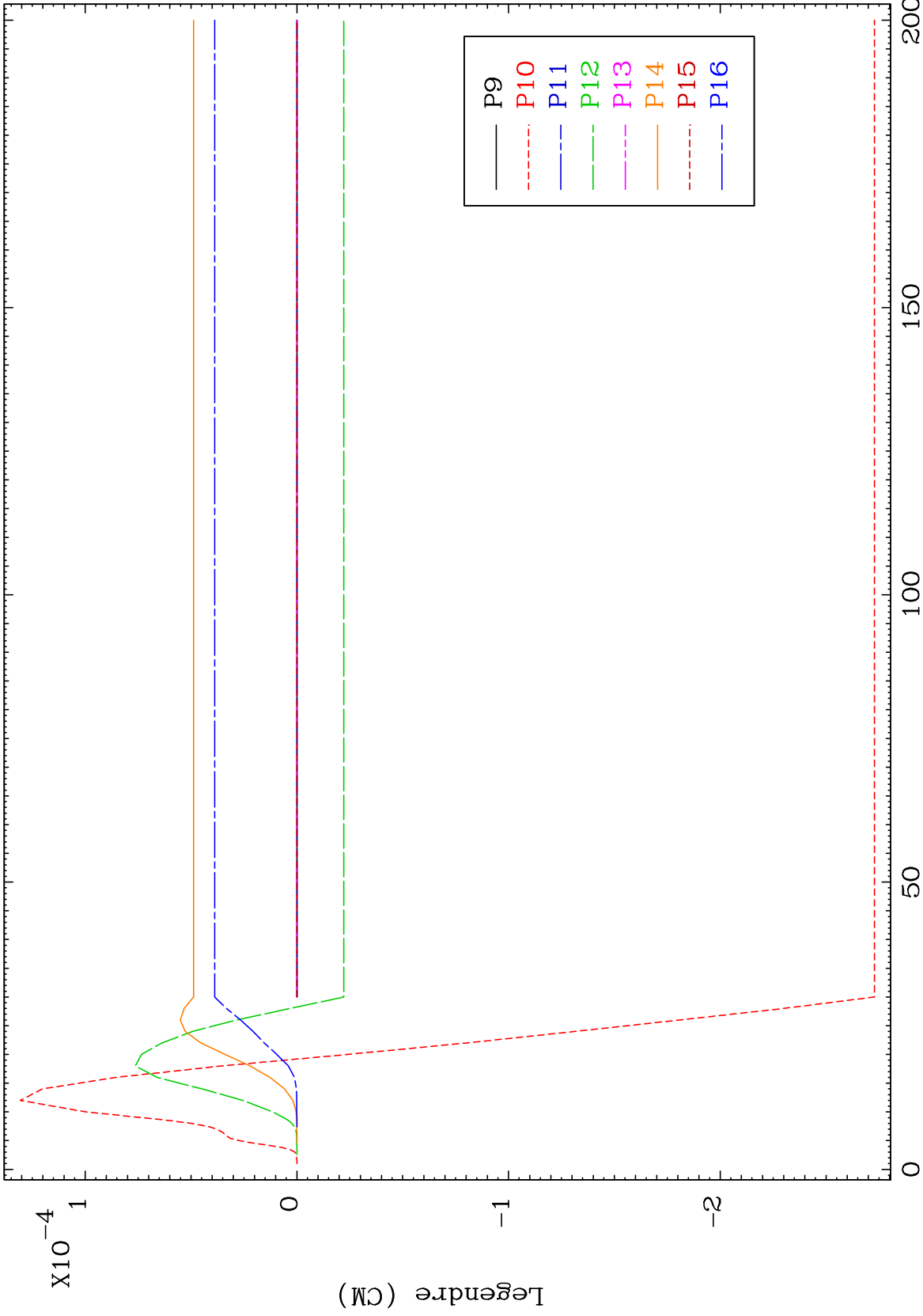
41

79-Au-176

MAT 7862

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

79-Au-176



42

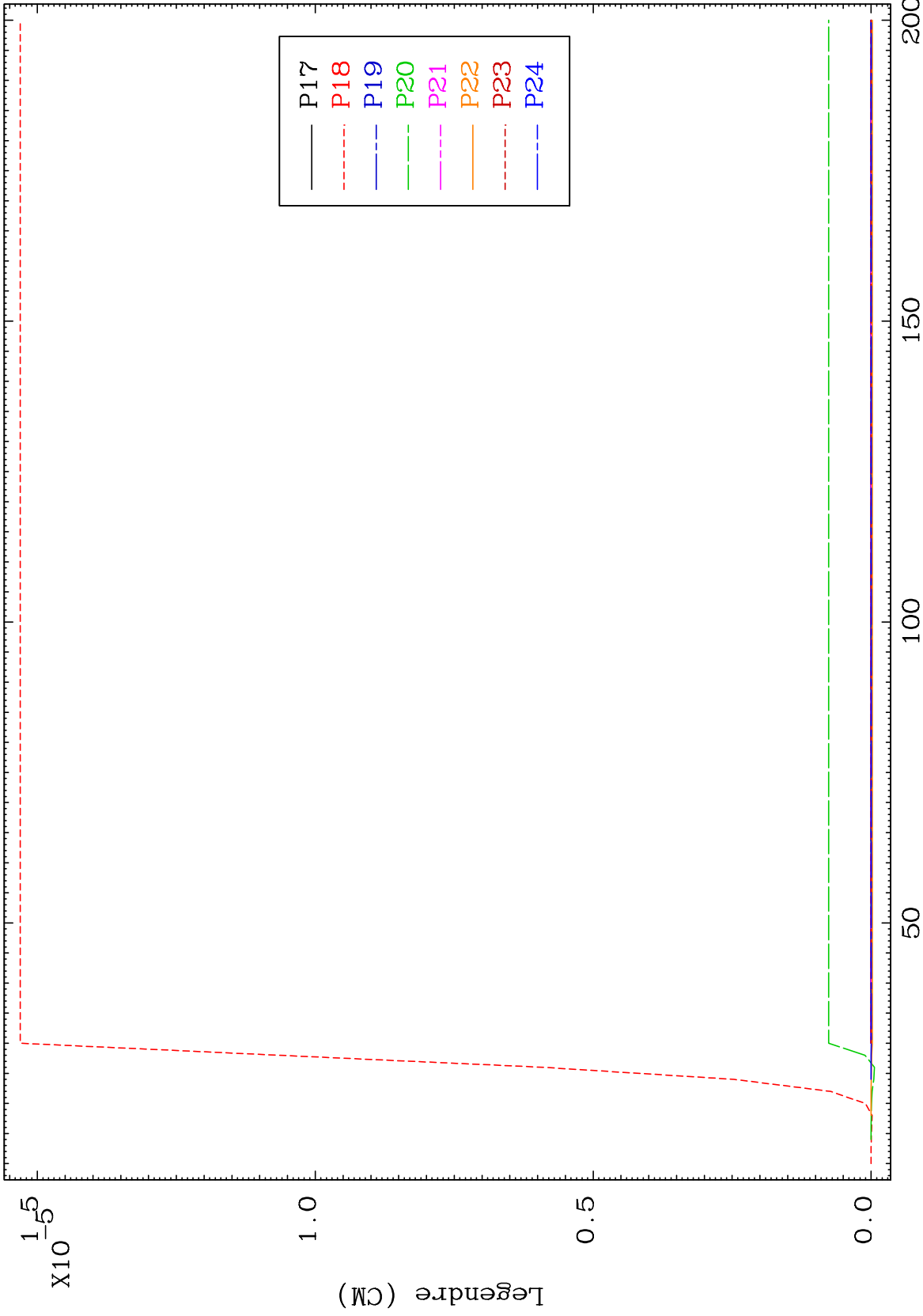
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



43

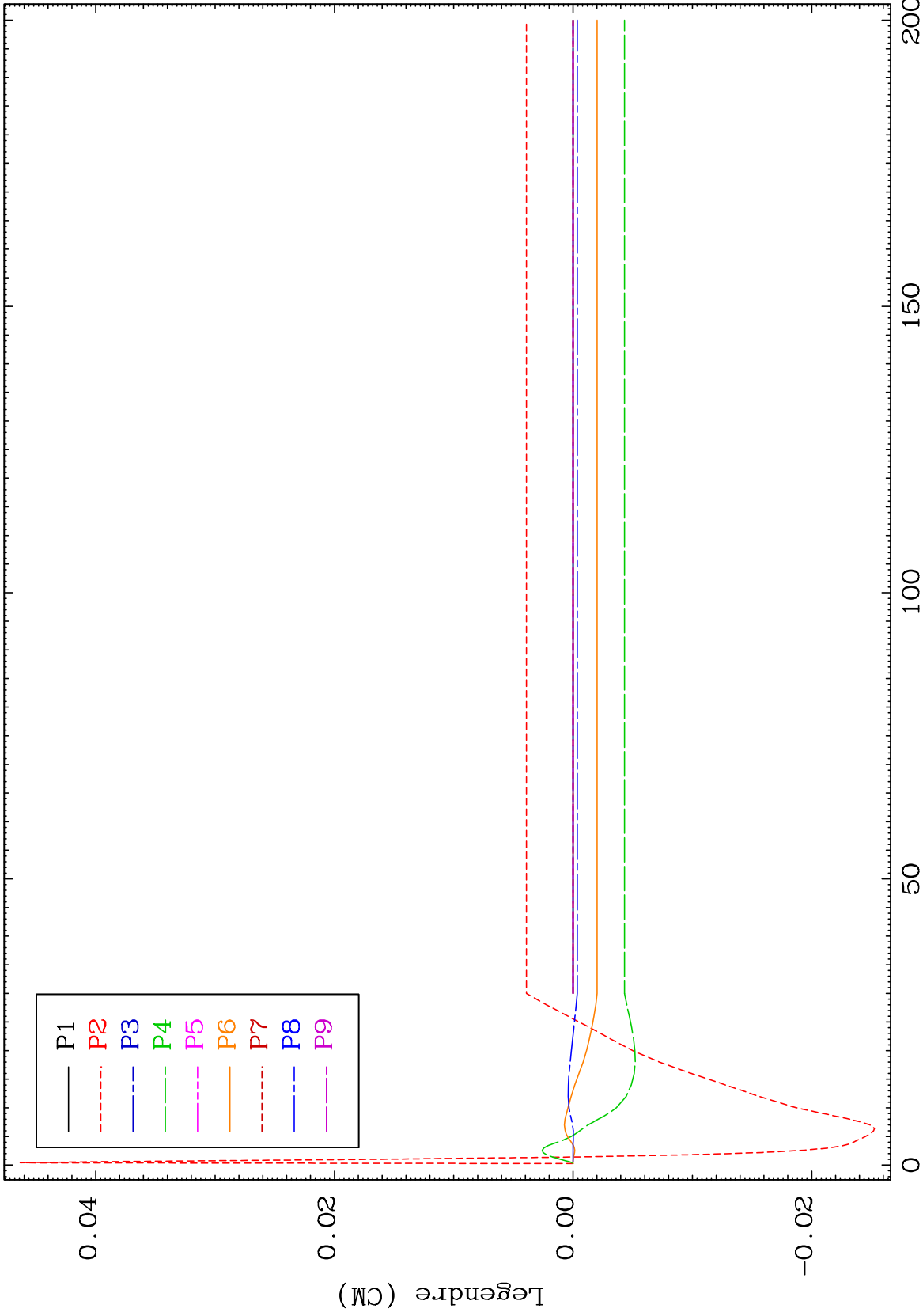
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



44

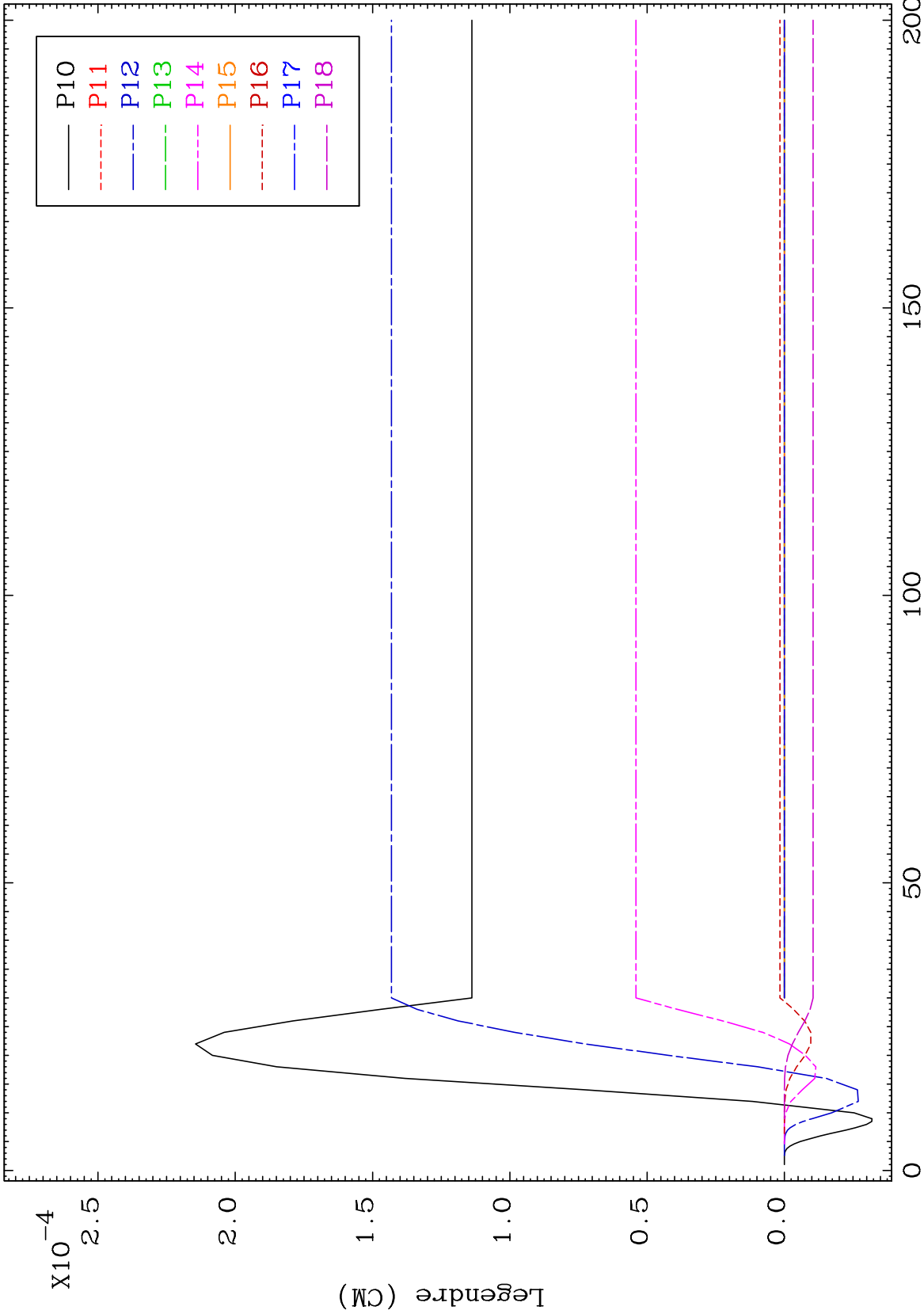
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



45

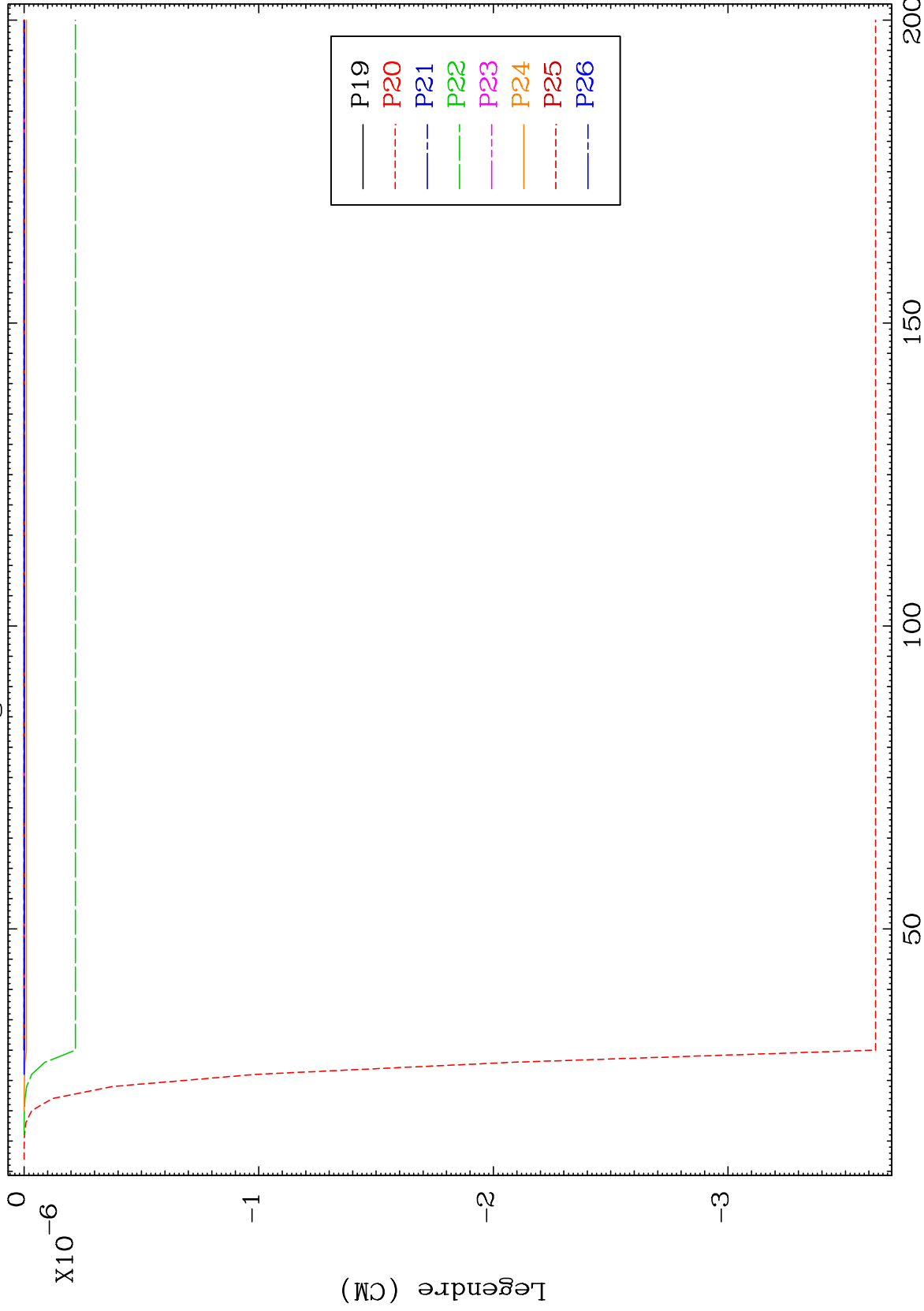
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



46

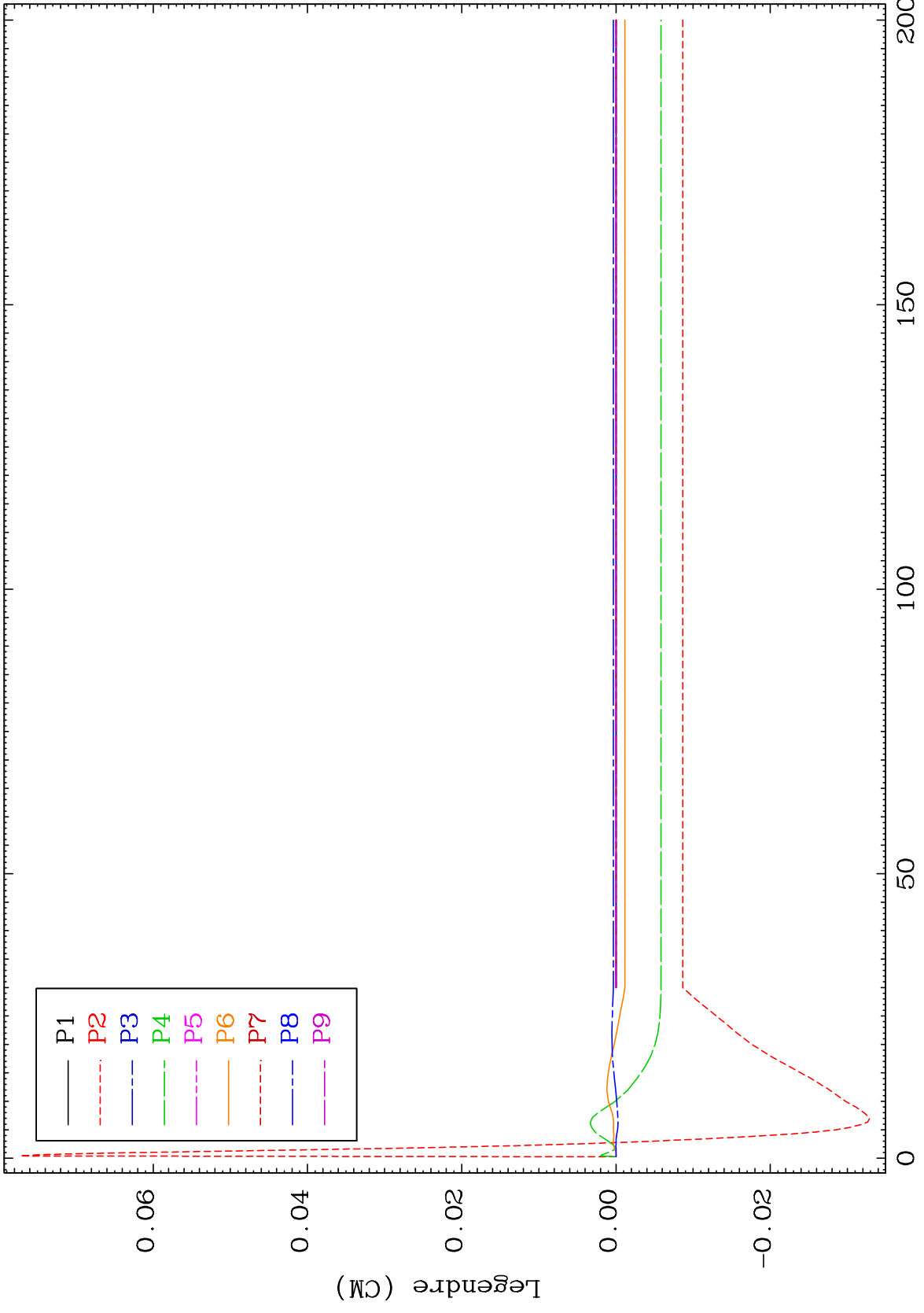
Incident Energy (MeV)

79-Au-176

MAT 7862

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

⁷⁹Au-176



47

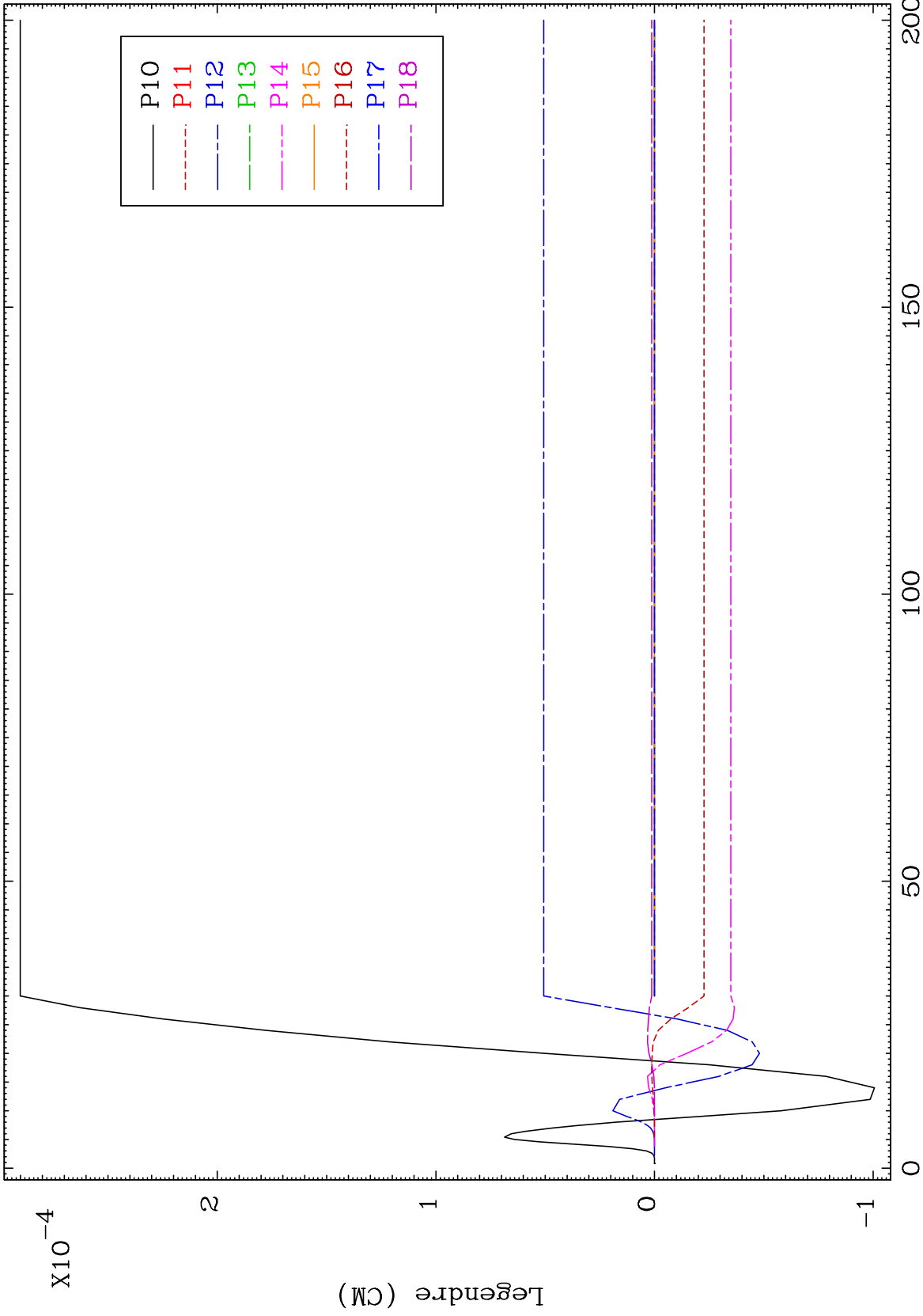
Incident Energy (MeV)

⁷⁹Au-176

MAT 7862

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

79-Au-176



48

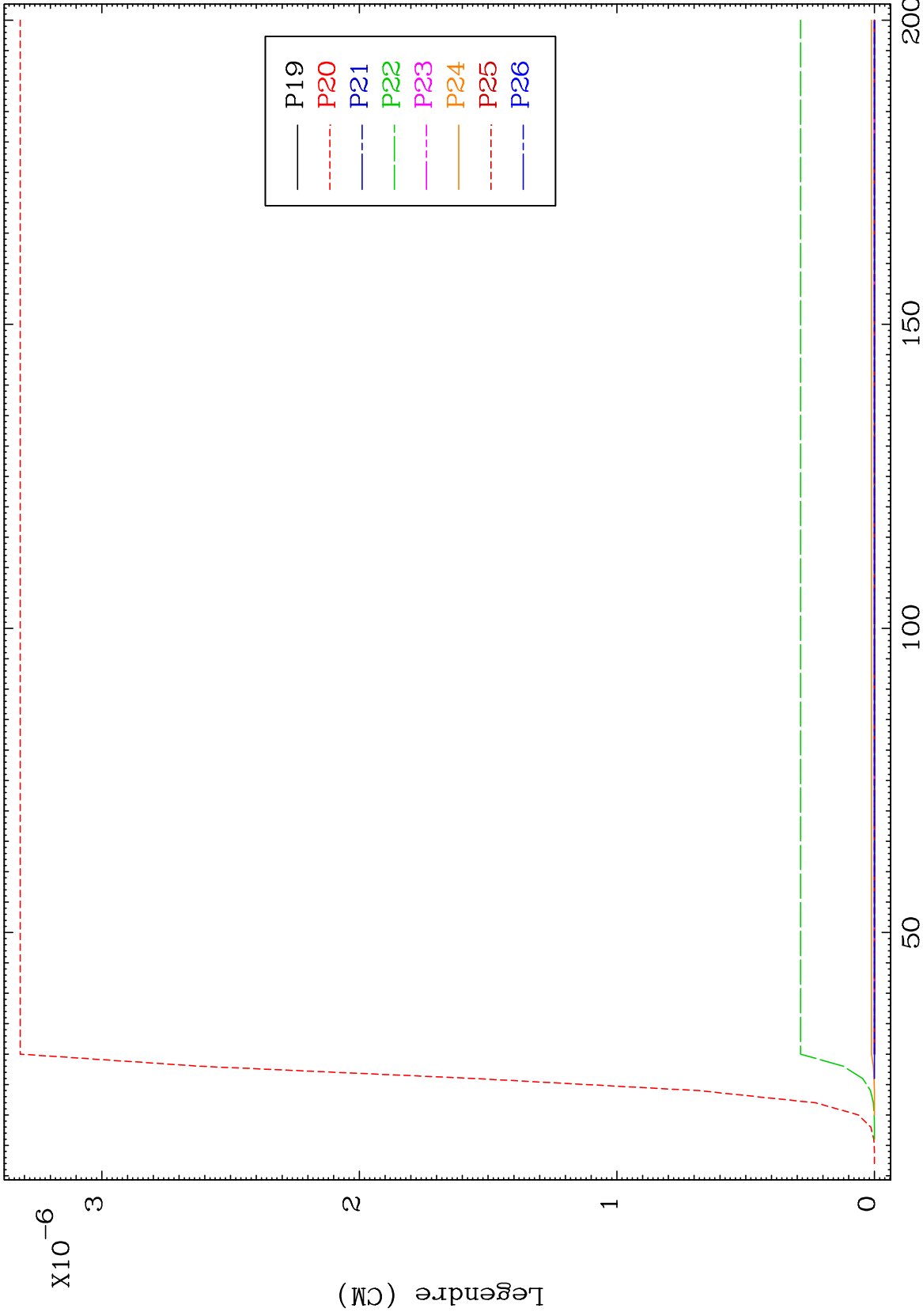
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176

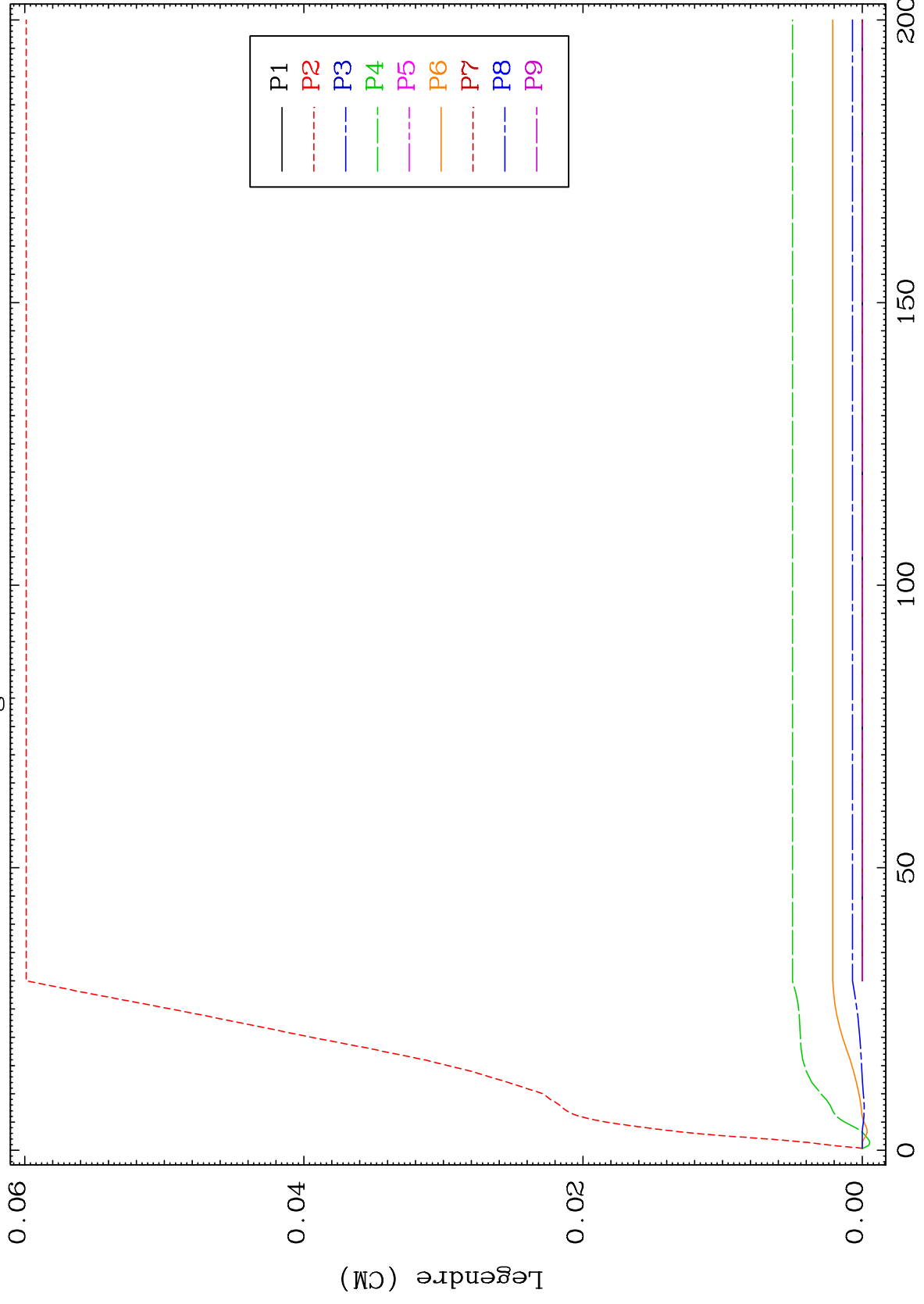


49

Incident Energy (MeV)

79-Au-176

MAT 7862 MT= 60 (n,n') Level Legendre Coefficients 79-Au-176

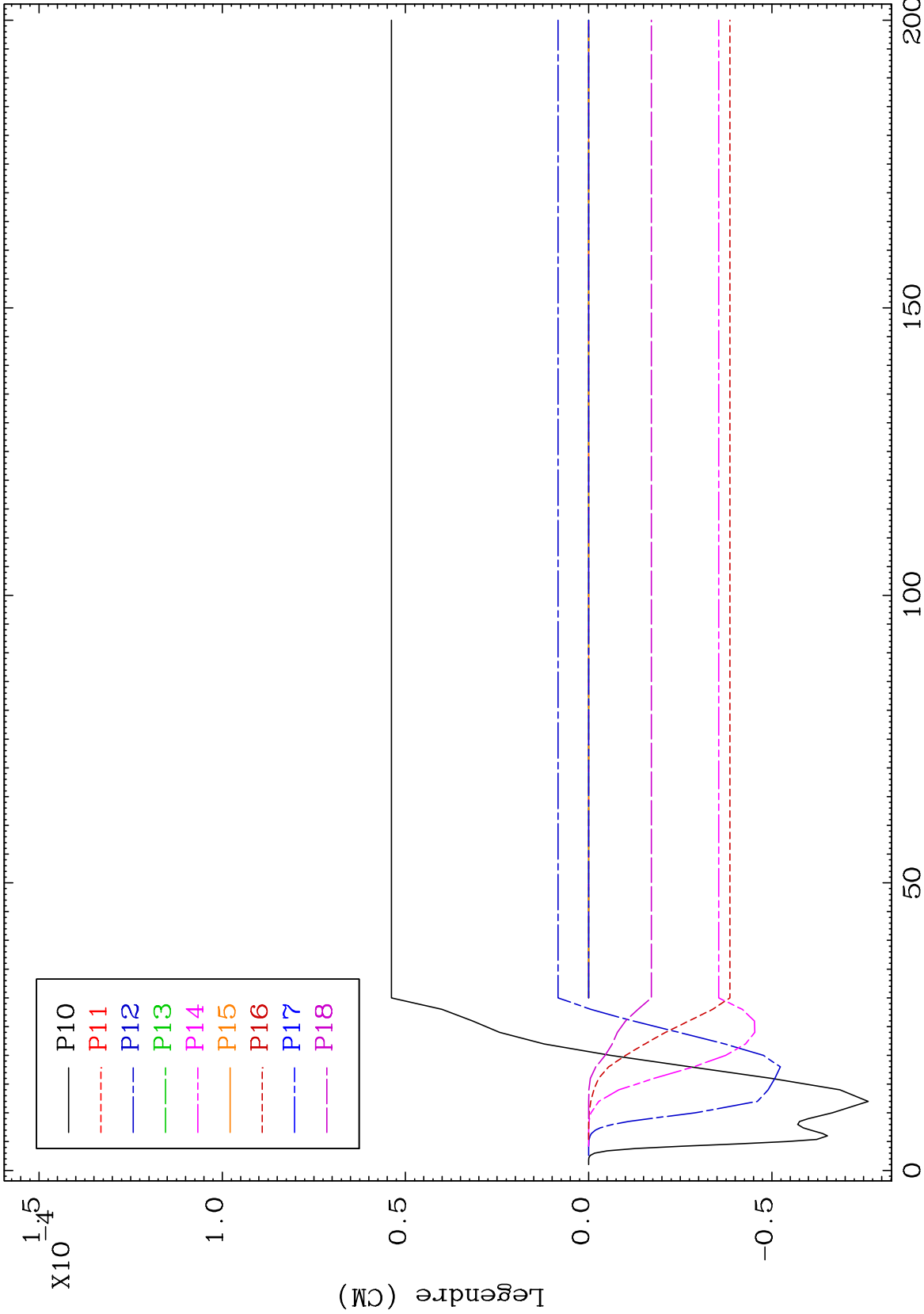


79-Au-176

MAT 7862

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

79-Au-176



51

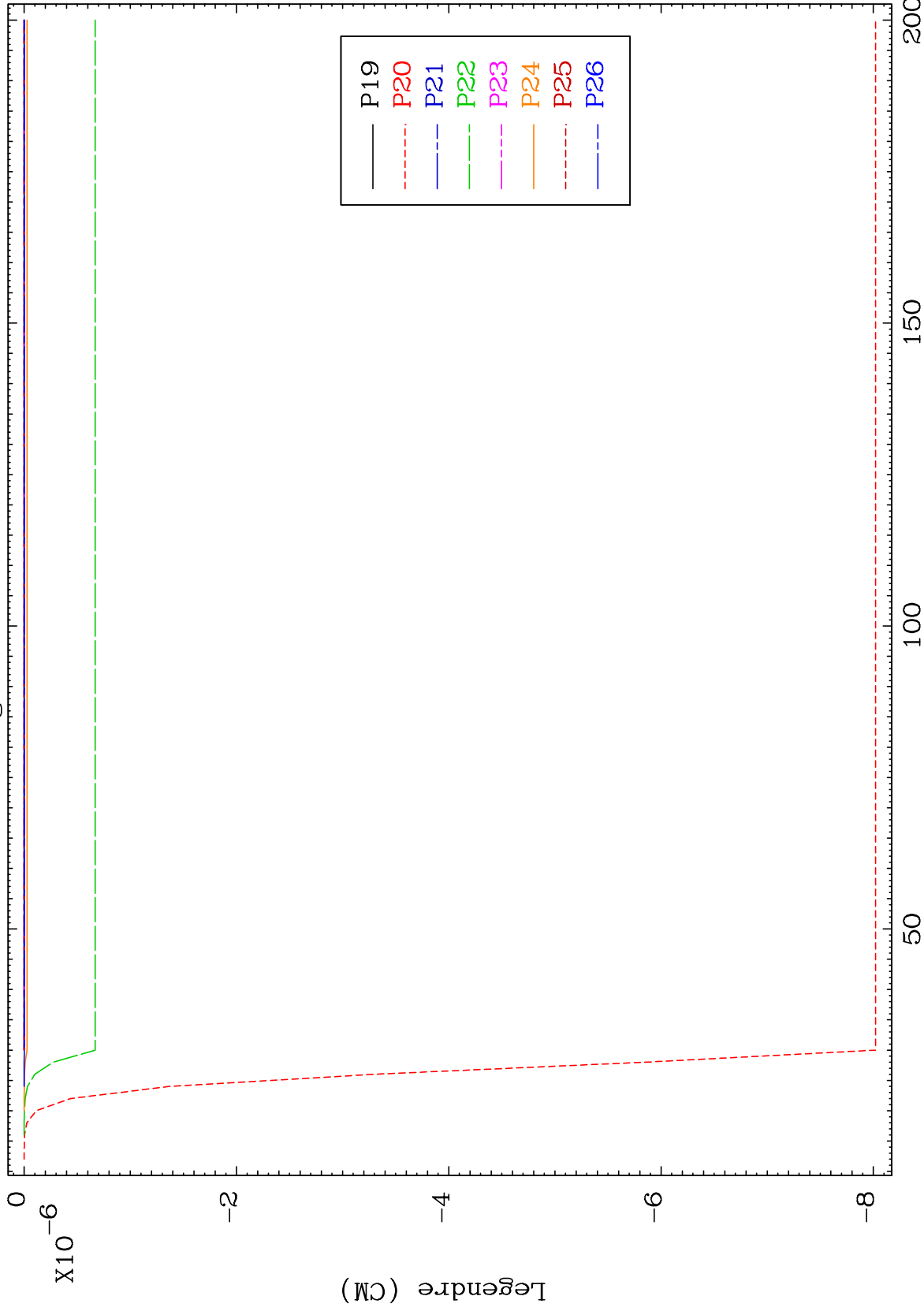
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



52

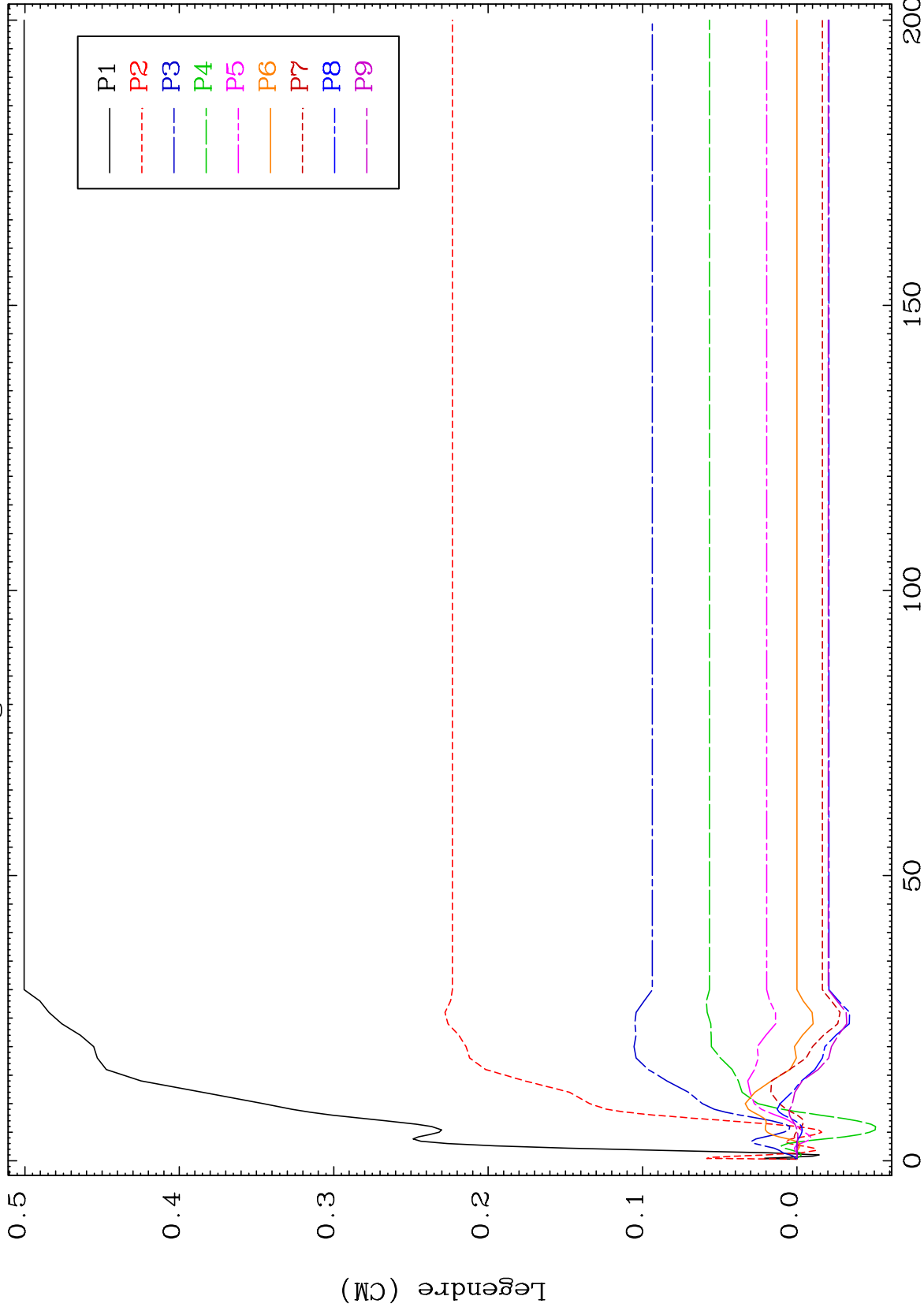
Incident Energy (MeV)

79-Au-176

MAT 7862

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

⁷⁹Au-176



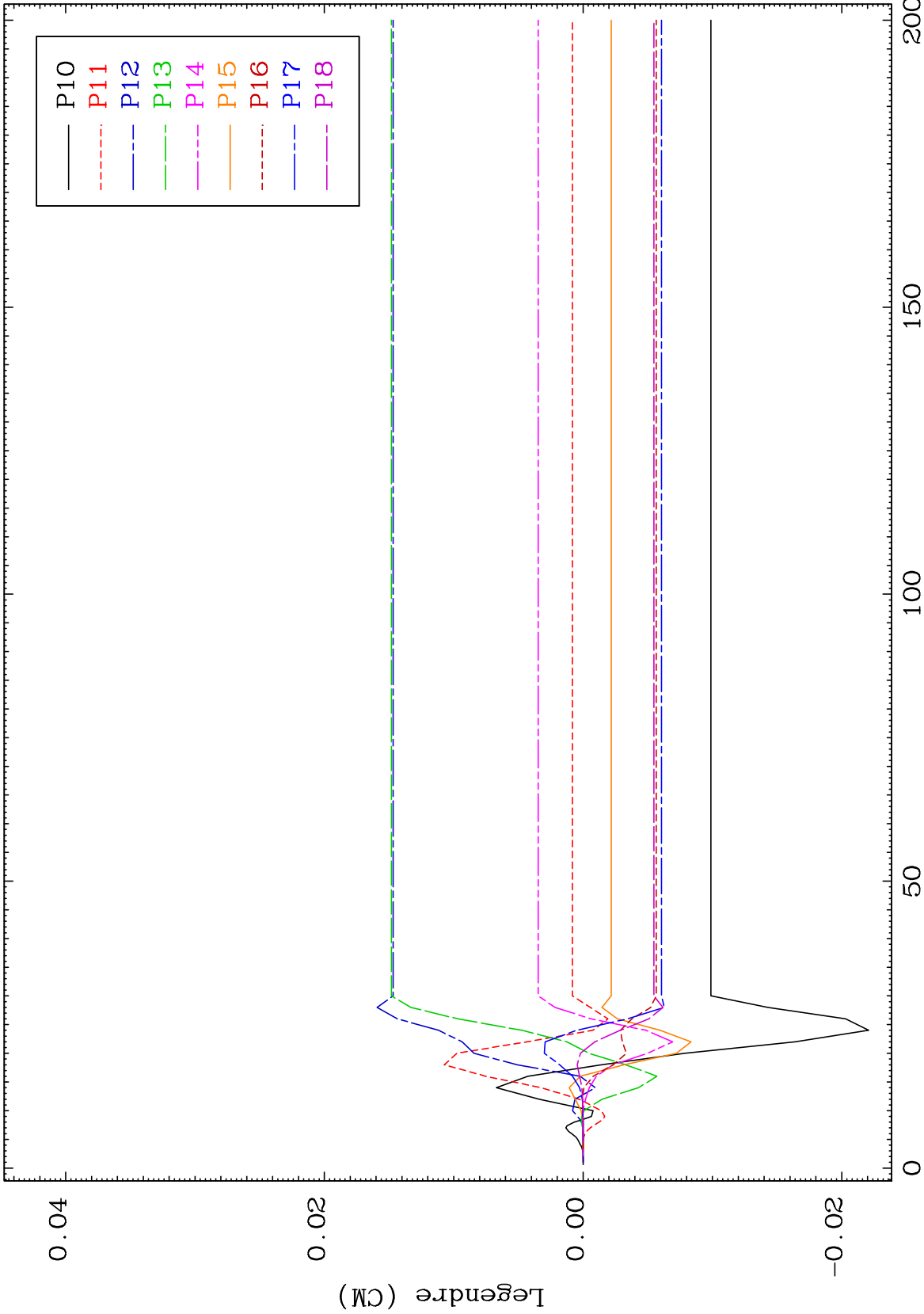
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⁷⁹Au-176

MAT 7862

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

79-Au-176



54

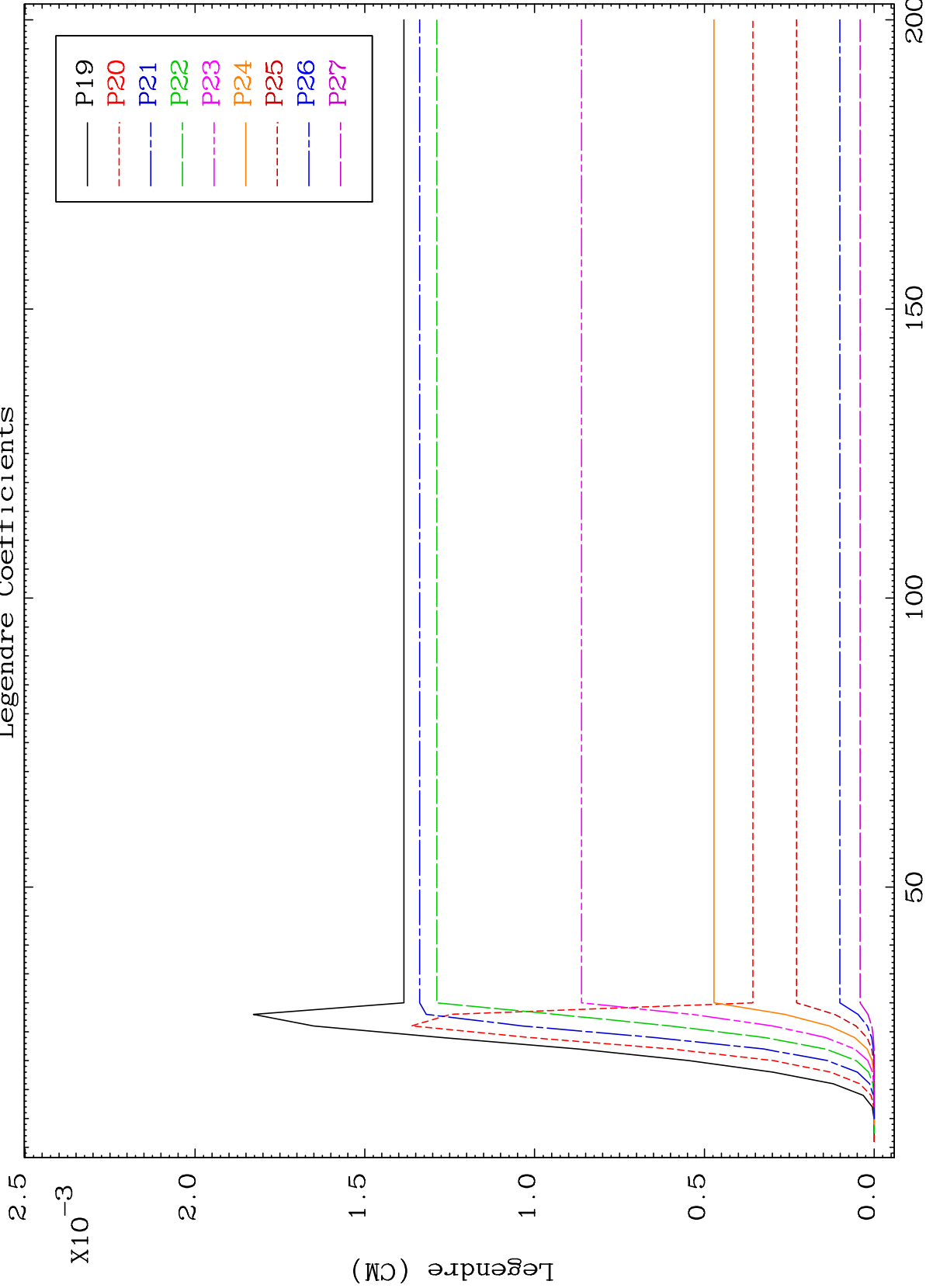
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



55

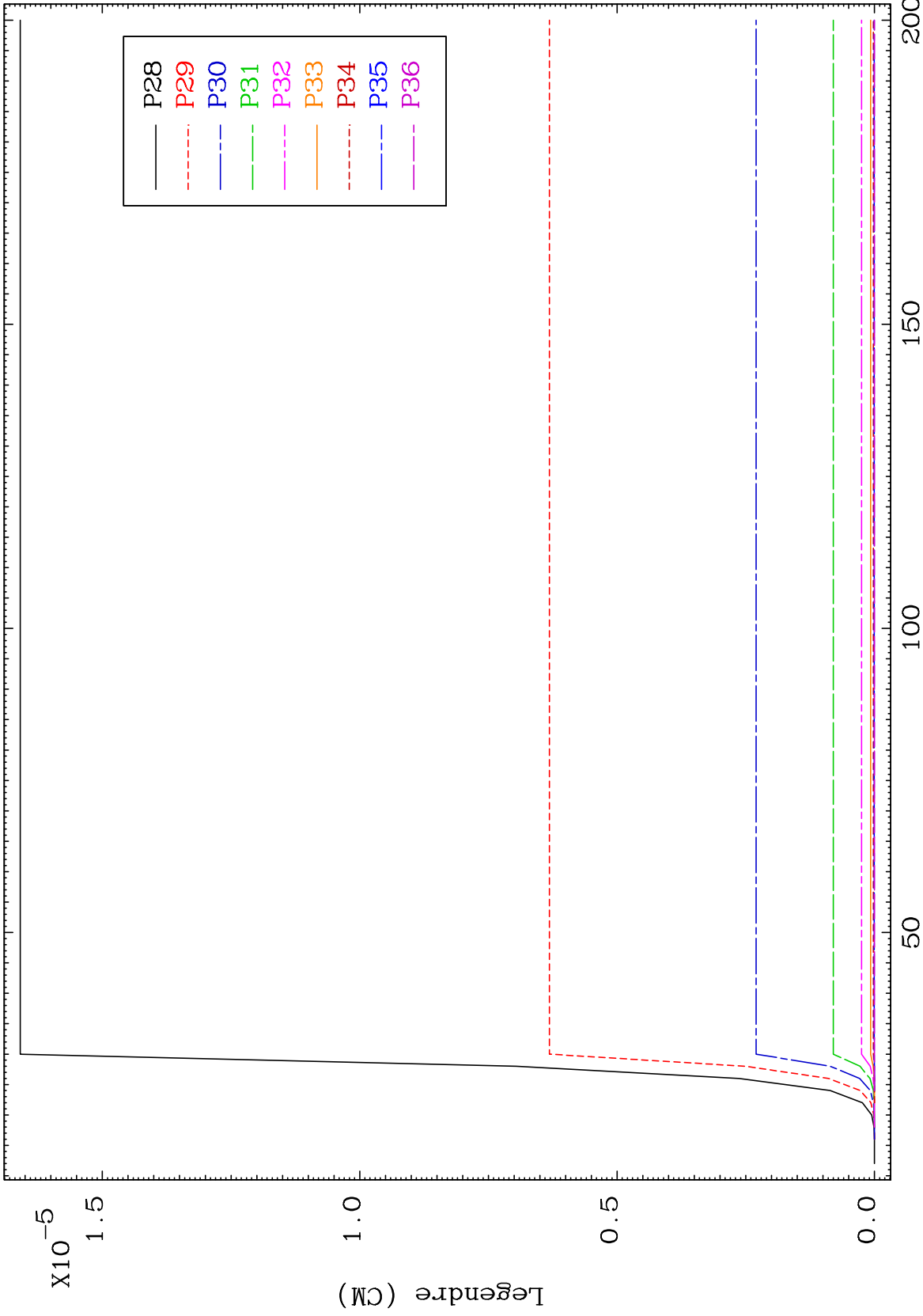
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



56

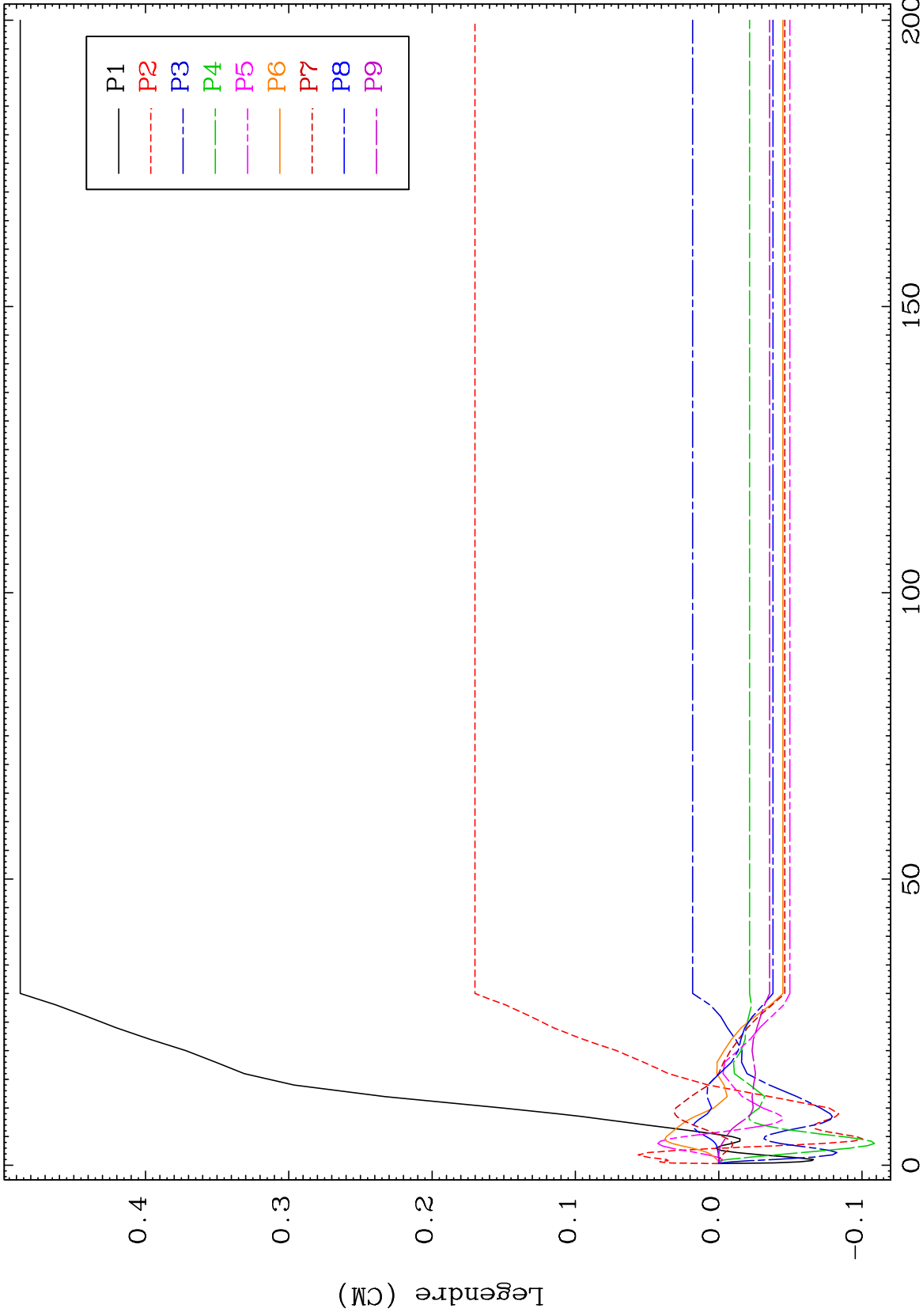
Incident Energy (MeV)

79-Au-176

MAT 7862

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

79-Au-176



57

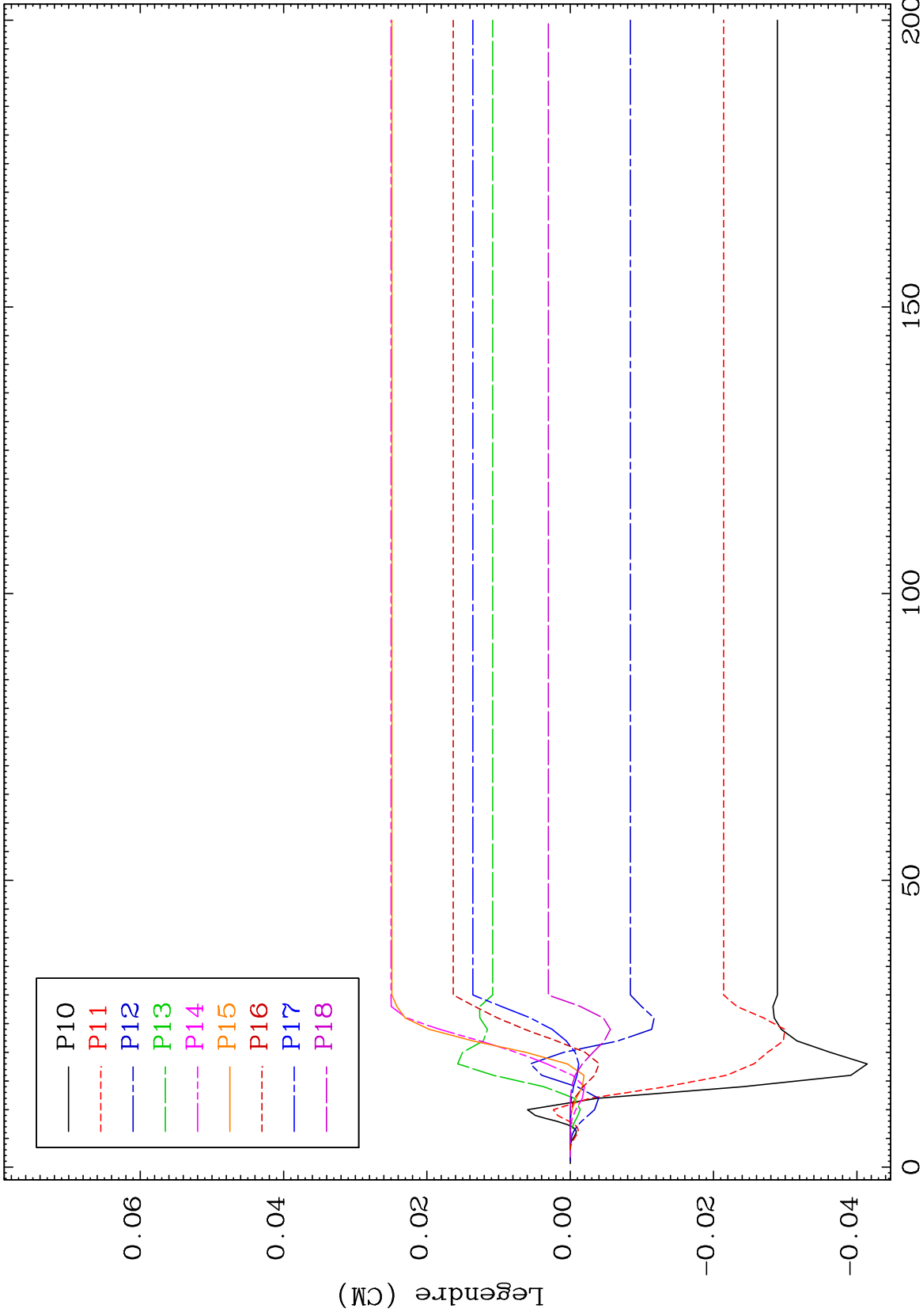
Incident Energy (MeV)

79-Au-176

MAT 7862

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

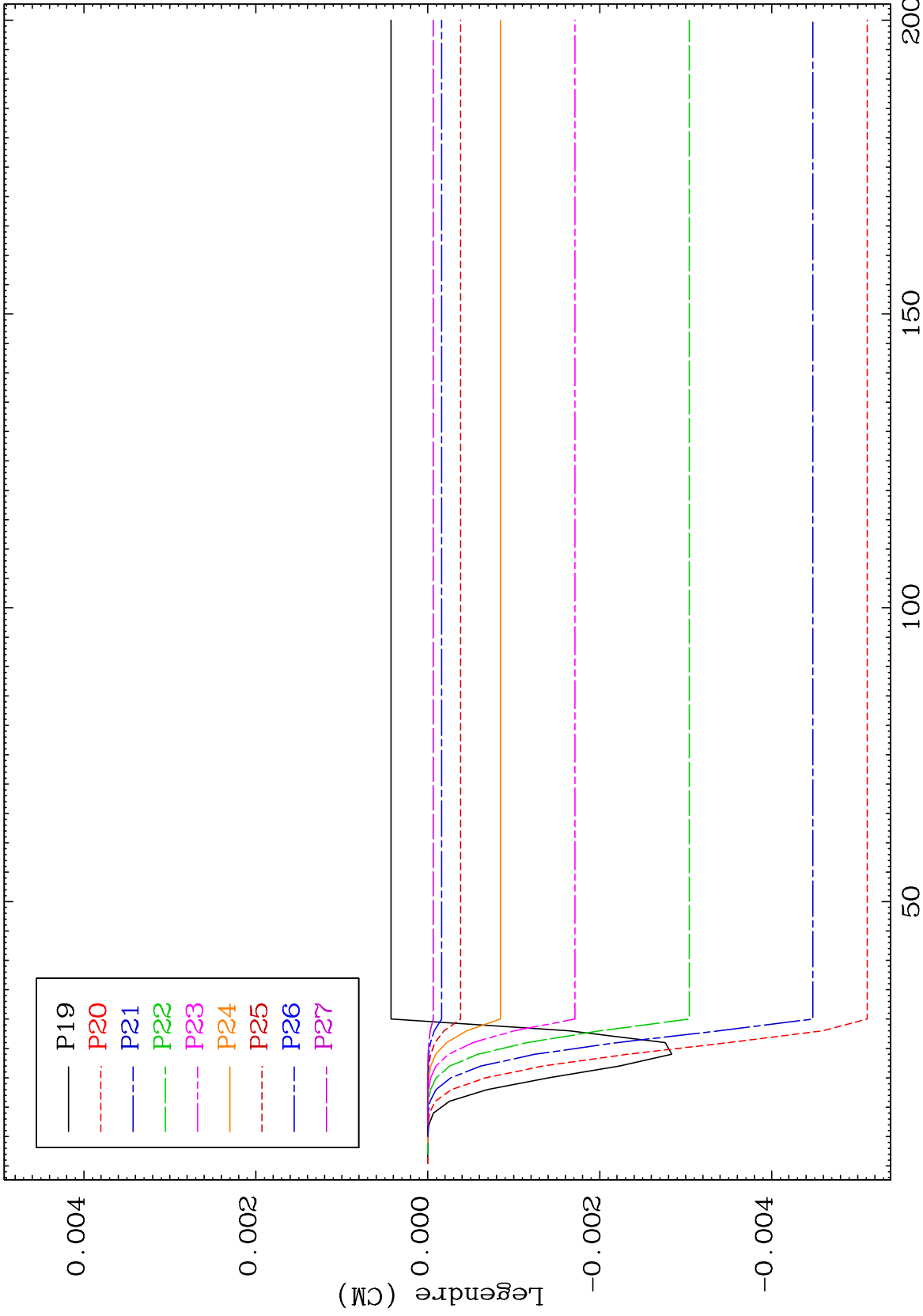
79-Au-176



58

Incident Energy (MeV)

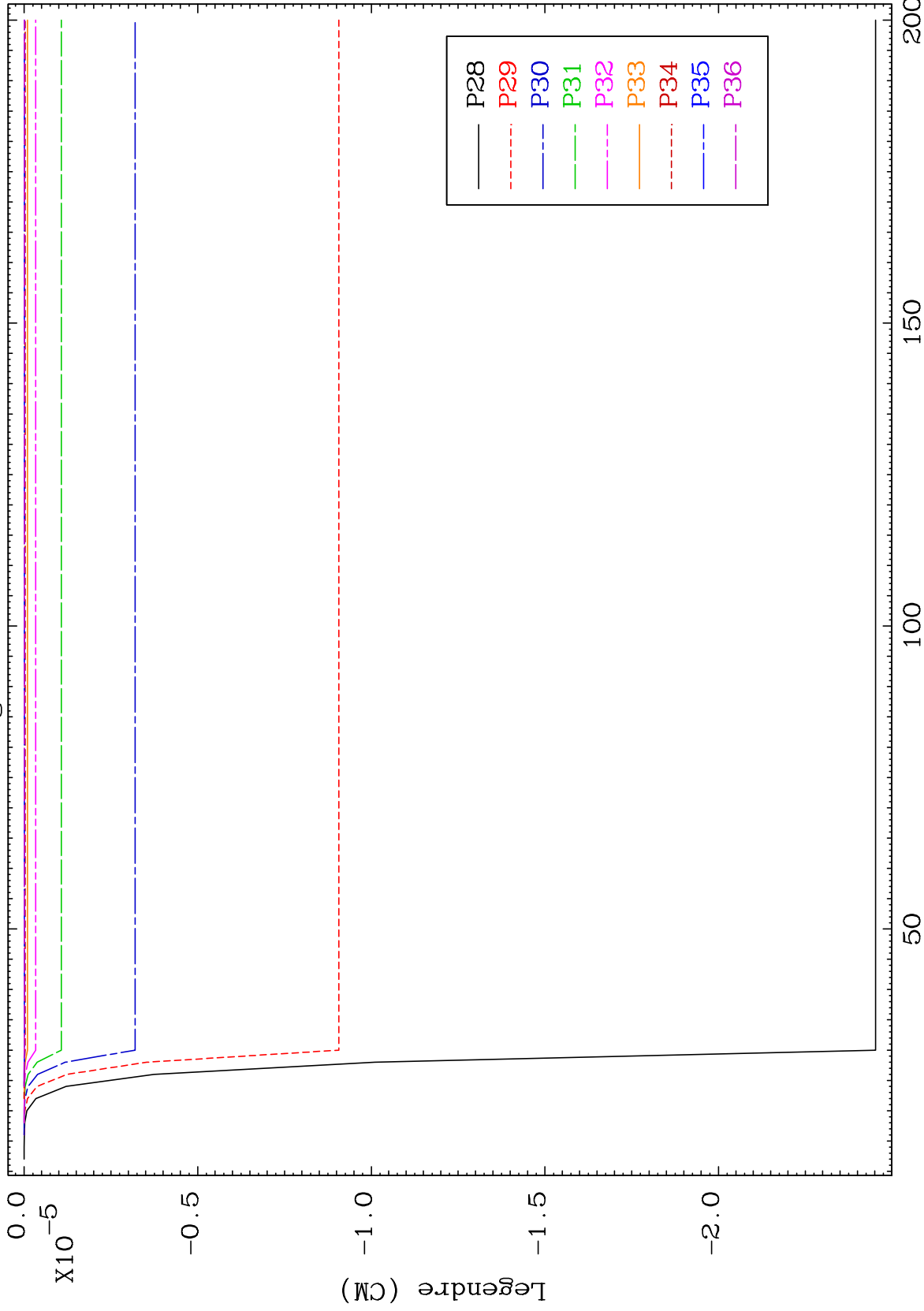
79-Au-176



MAT 7862

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

79-Au-176



79-Au-176

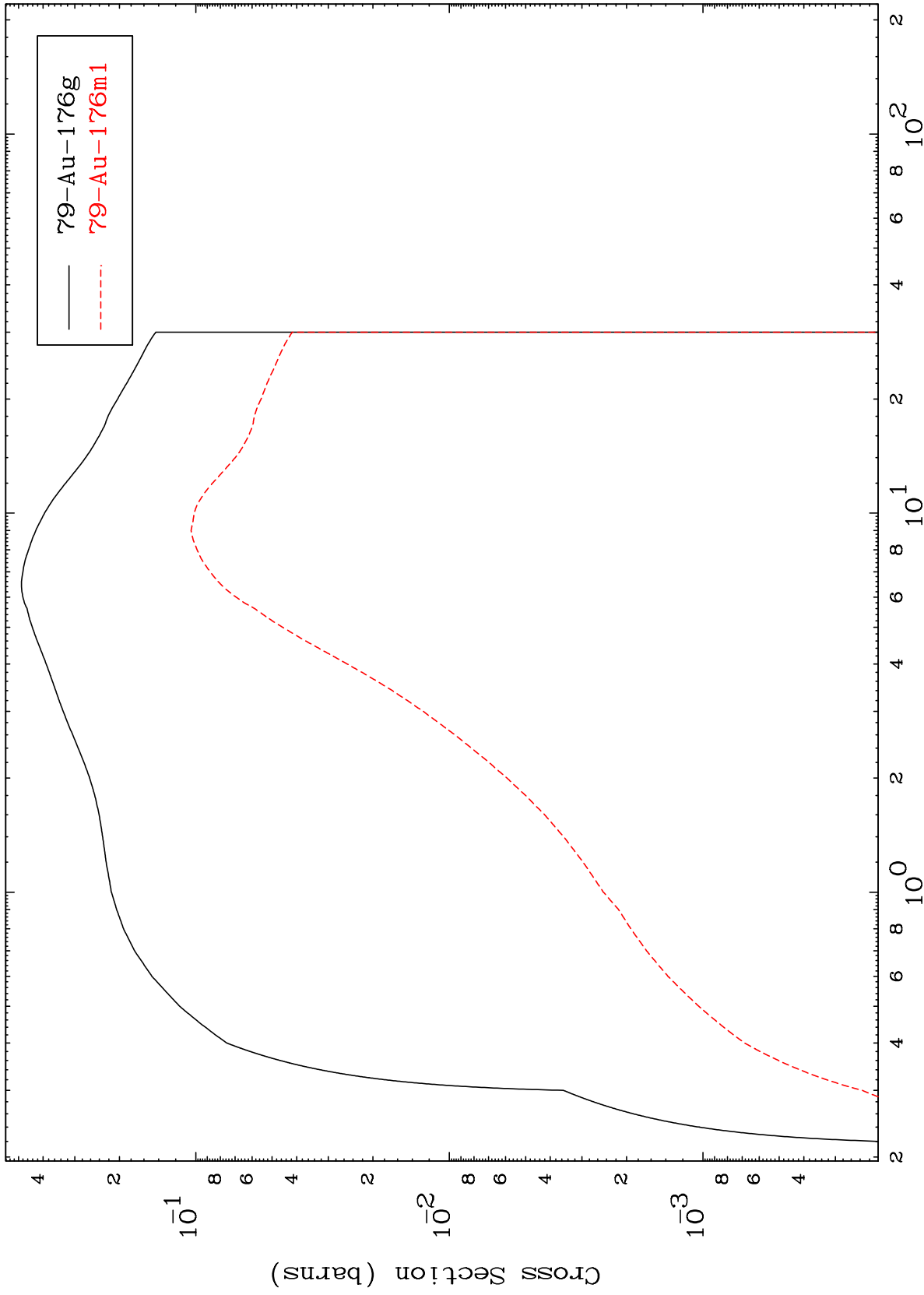
Incident Energy (MeV)

60

MAT 7862

⁷⁹Au-176

Inelastic Radionuclide Production Cross Section



61

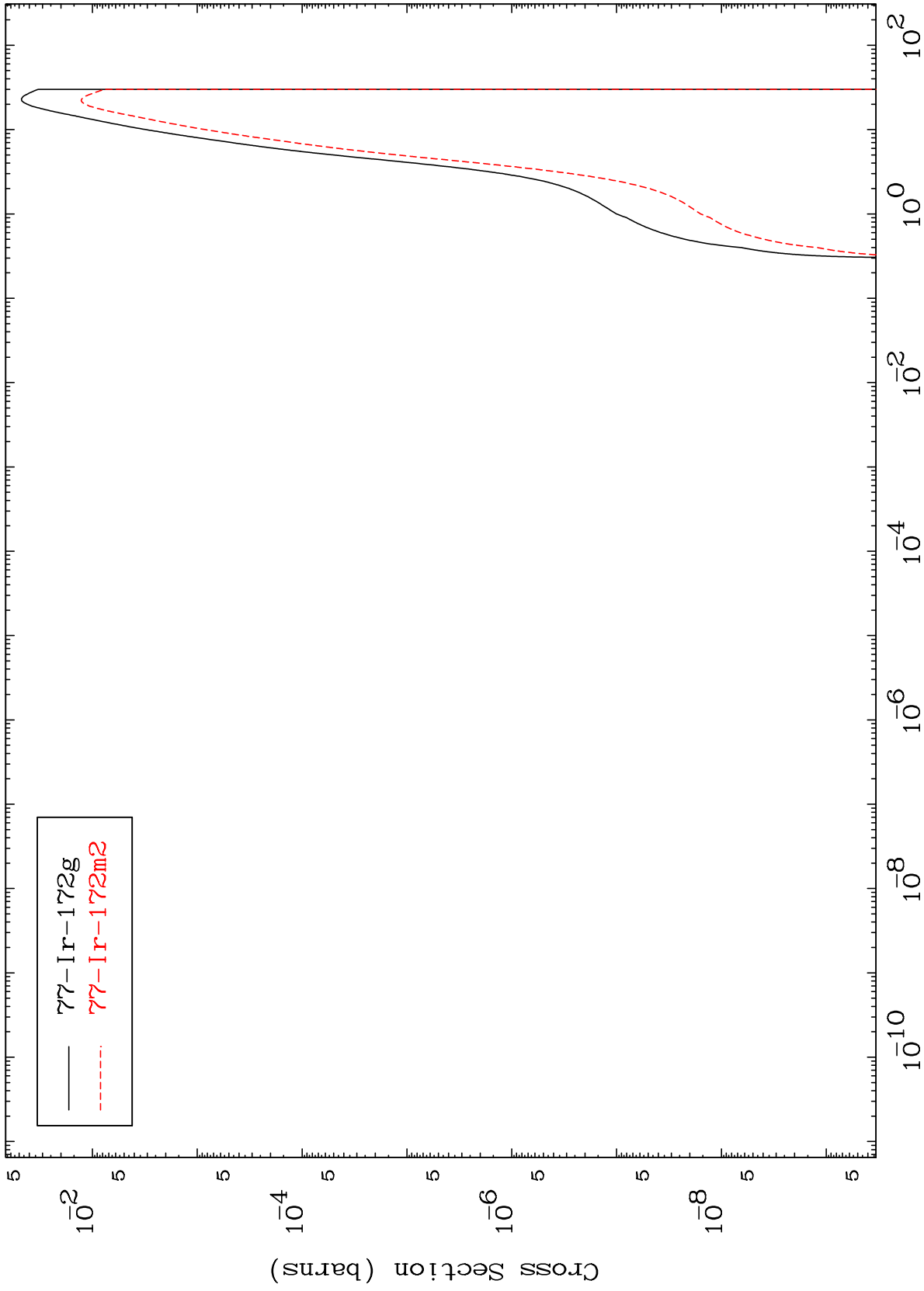
⁷⁹Au-176

MAT 7862

(n,n') α

⁷⁹Au-176

Radionuclide Production Cross Section



— ⁷⁷Ir-172g
- - - ⁷⁷Ir-172m2

62

Incident Energy (MeV)

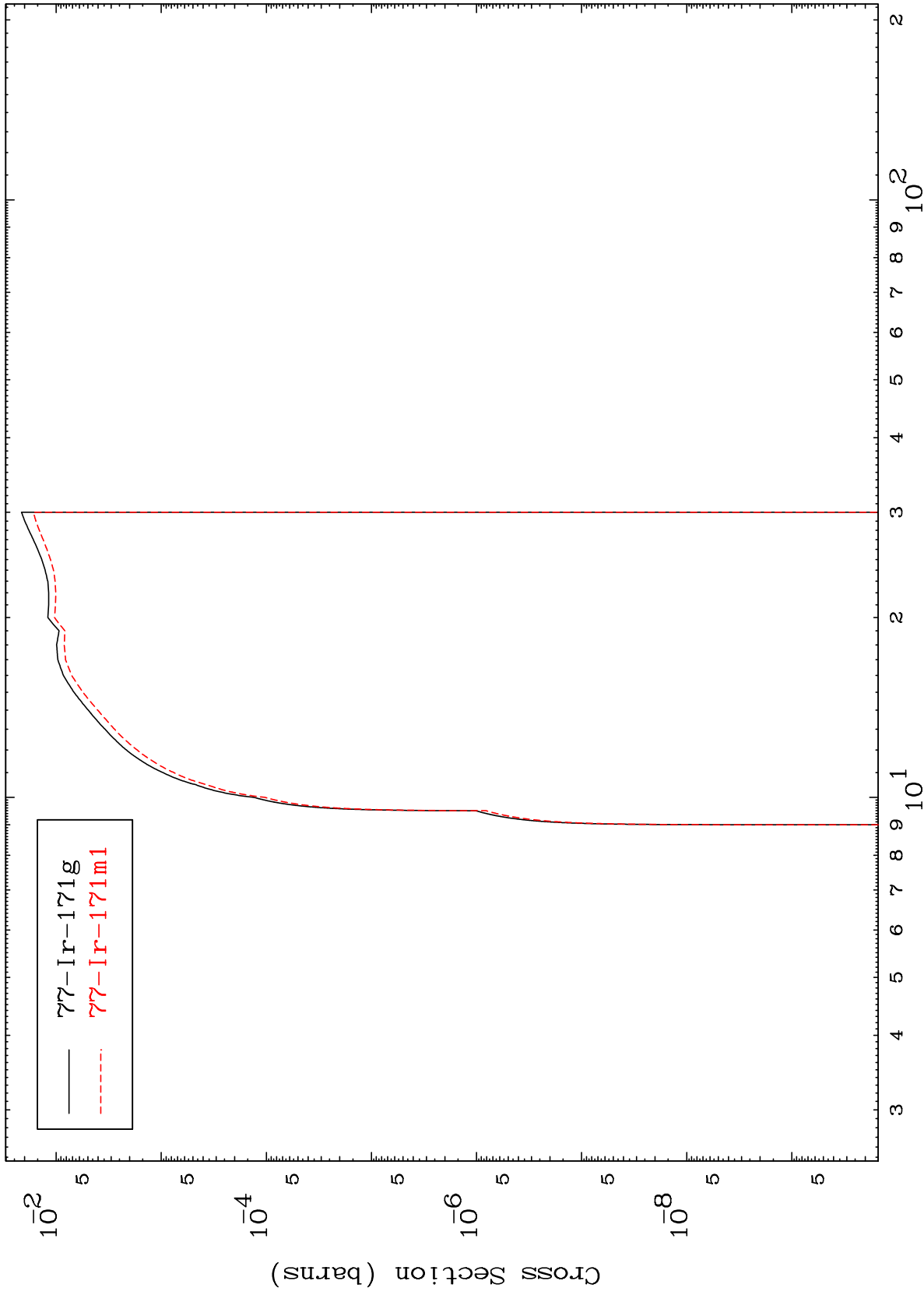
⁷⁹Au-176

MAT 7862

$(n, 2n) \alpha$

$^{79}\text{Au-176}$

Radionuclide Production Cross Section



63

Incident Energy (MeV)

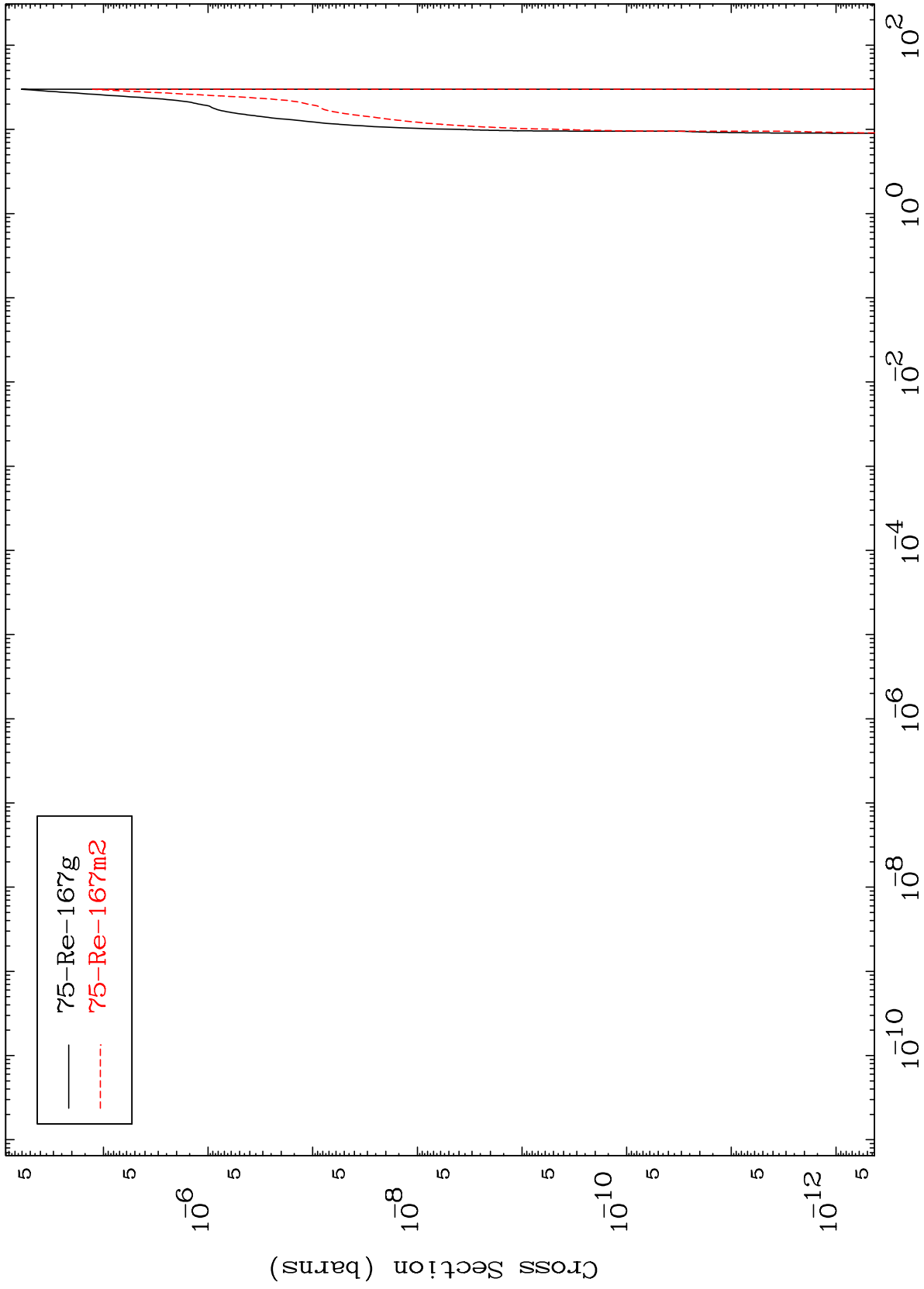
$^{79}\text{Au-176}$

MAT 7862

(n,2n) 2 α

⁷⁹Au-176

Radionuclide Production Cross Section



64

Incident Energy (MeV)

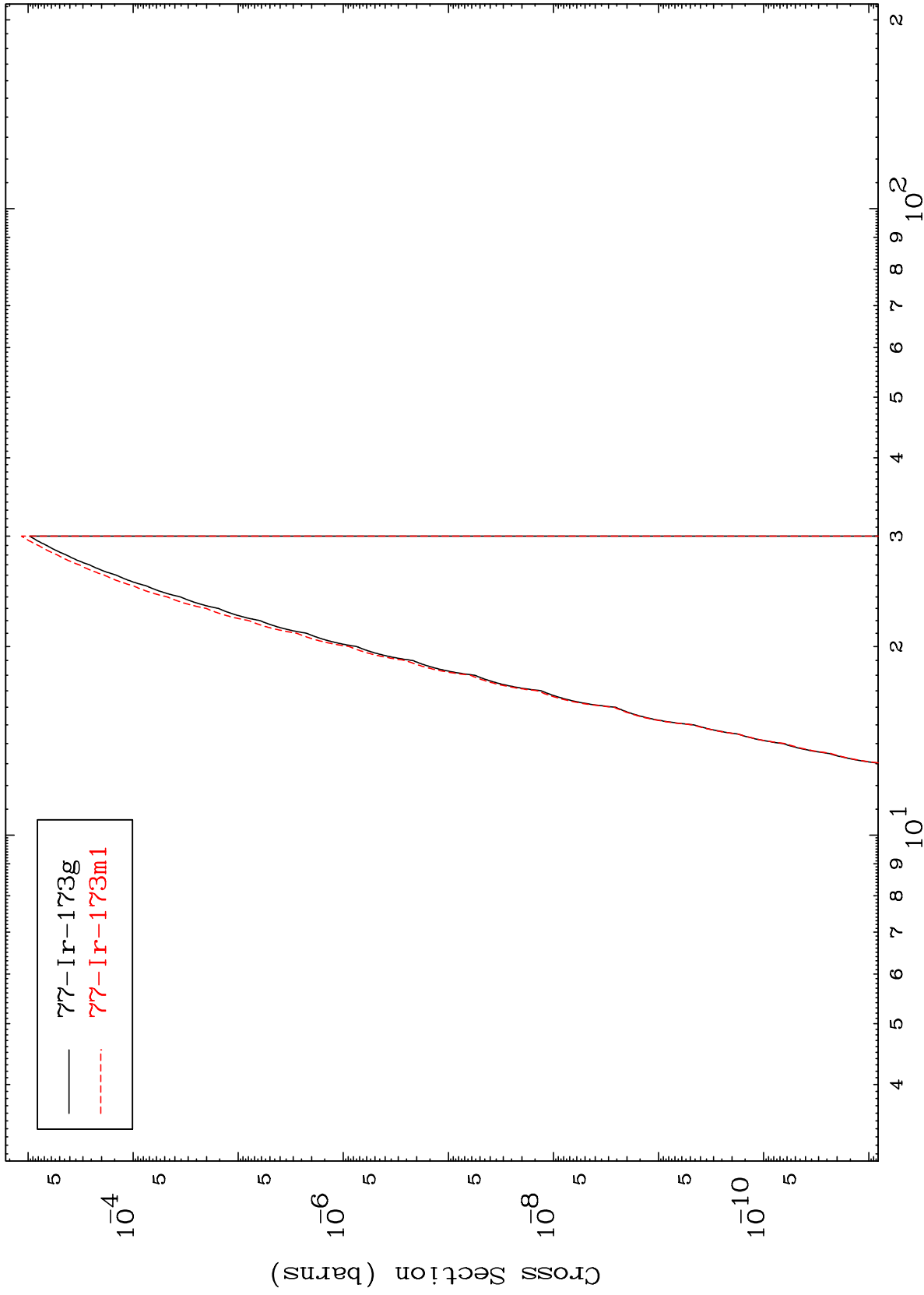
⁷⁹Au-176

MAT 7862

(n, n') He-3

79-Au-176

Radionuclide Production Cross Section



65

Incident Energy (MeV)

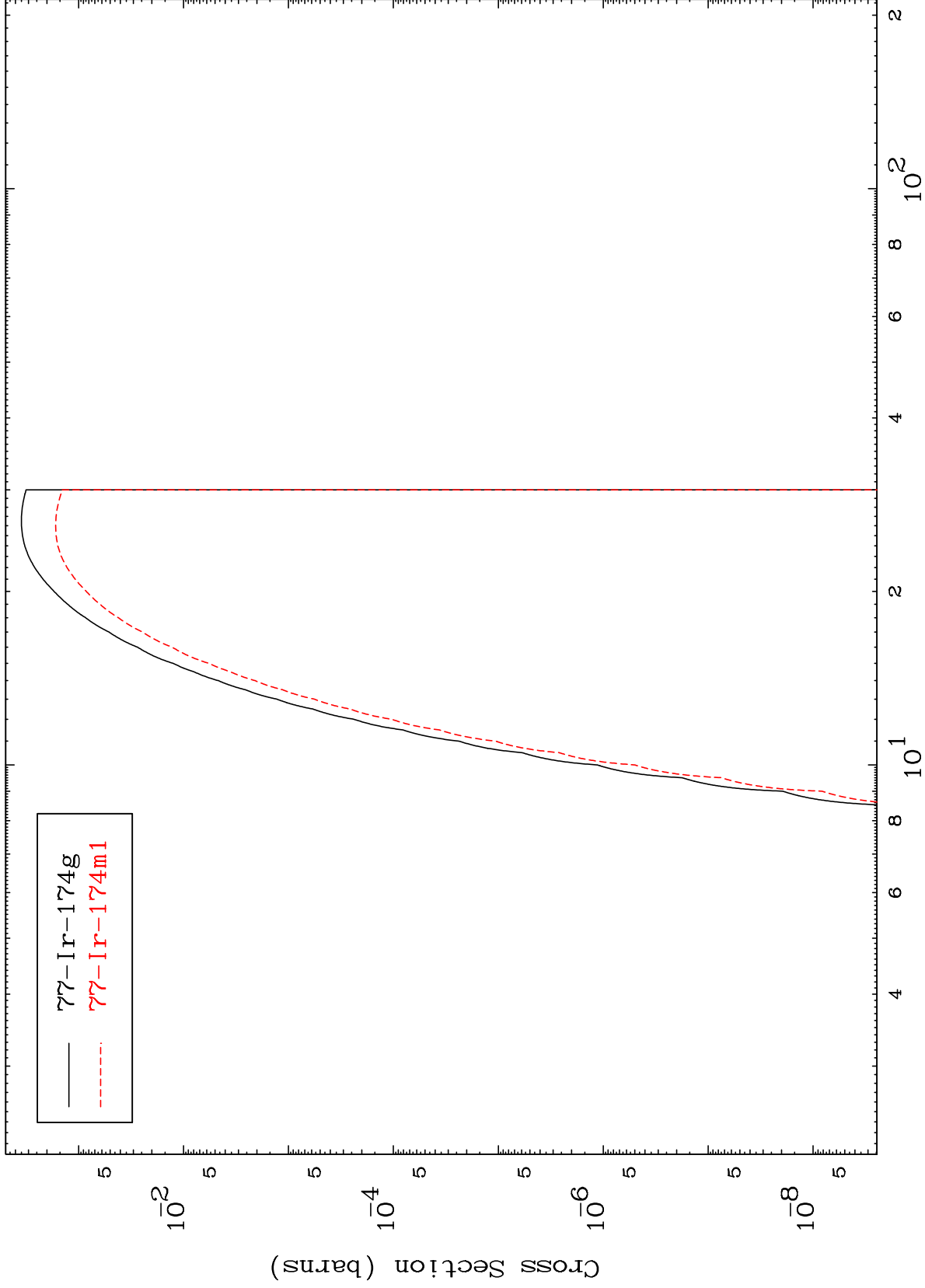
79-Au-176

MAT 7862

(n,2n) p

⁷⁹Au-176

Radionuclide Production Cross Section



66

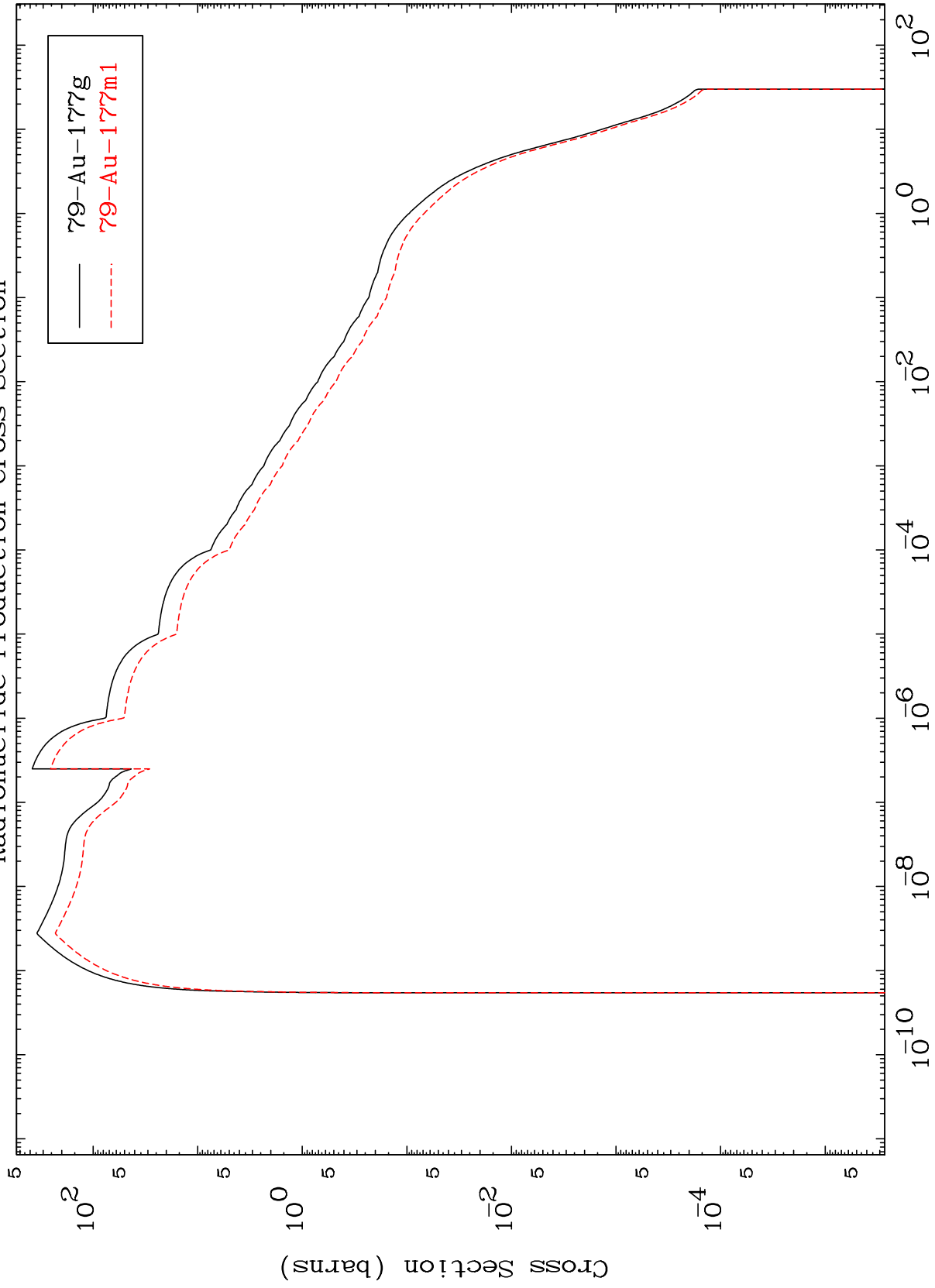
Incident Energy (MeV)

⁷⁹Au-176

MAT 7862

⁷⁹Au-176

(n,γ)
Radionuclide Production Cross Section



67

⁷⁹Au-176

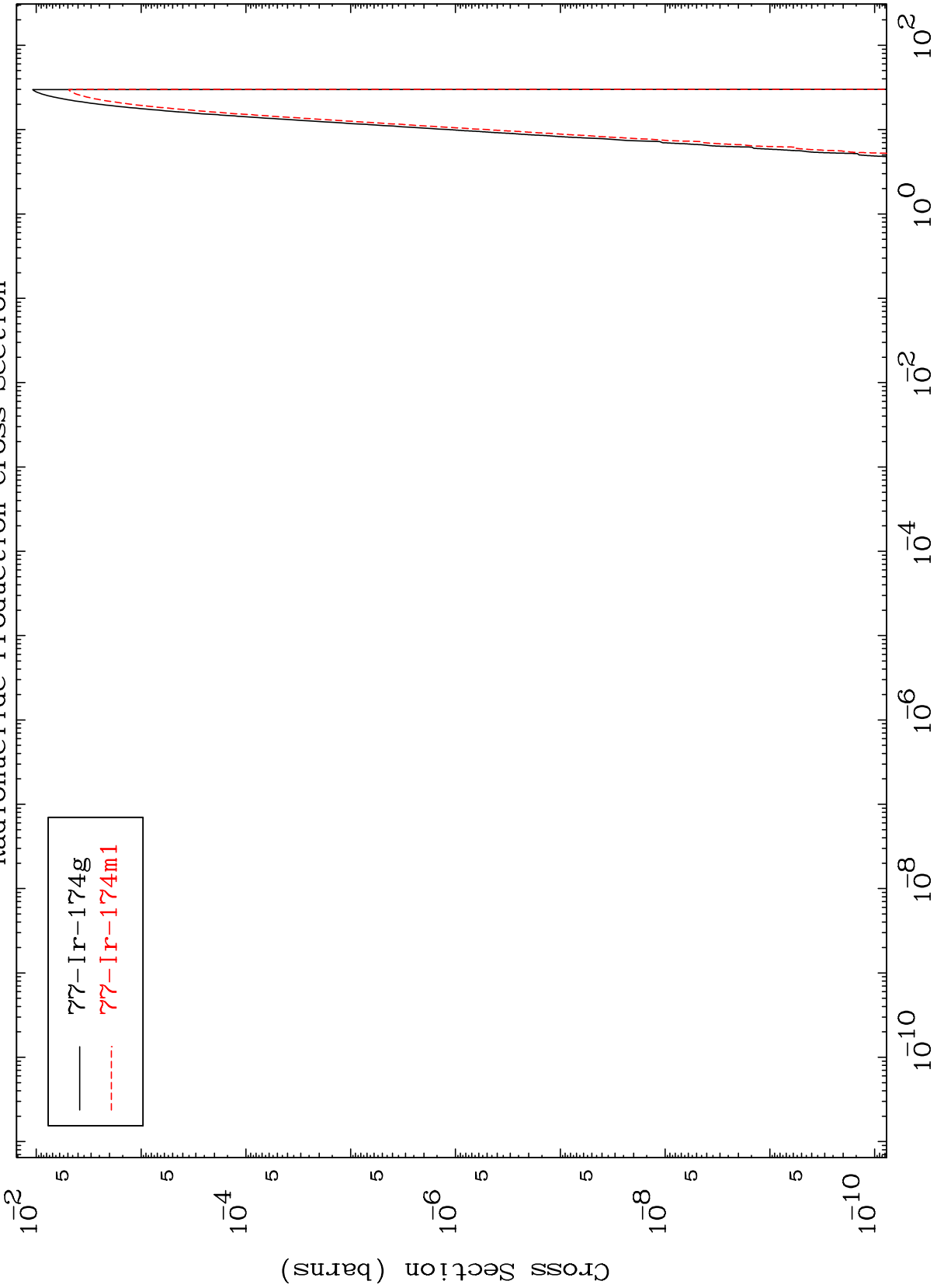
Incident Energy (MeV)

MAT 7862

(n, He-3)

⁷⁹Au-176

Radionuclide Production Cross Section



— ⁷⁷Ir-174g
- - - ⁷⁷Ir-174m1

68

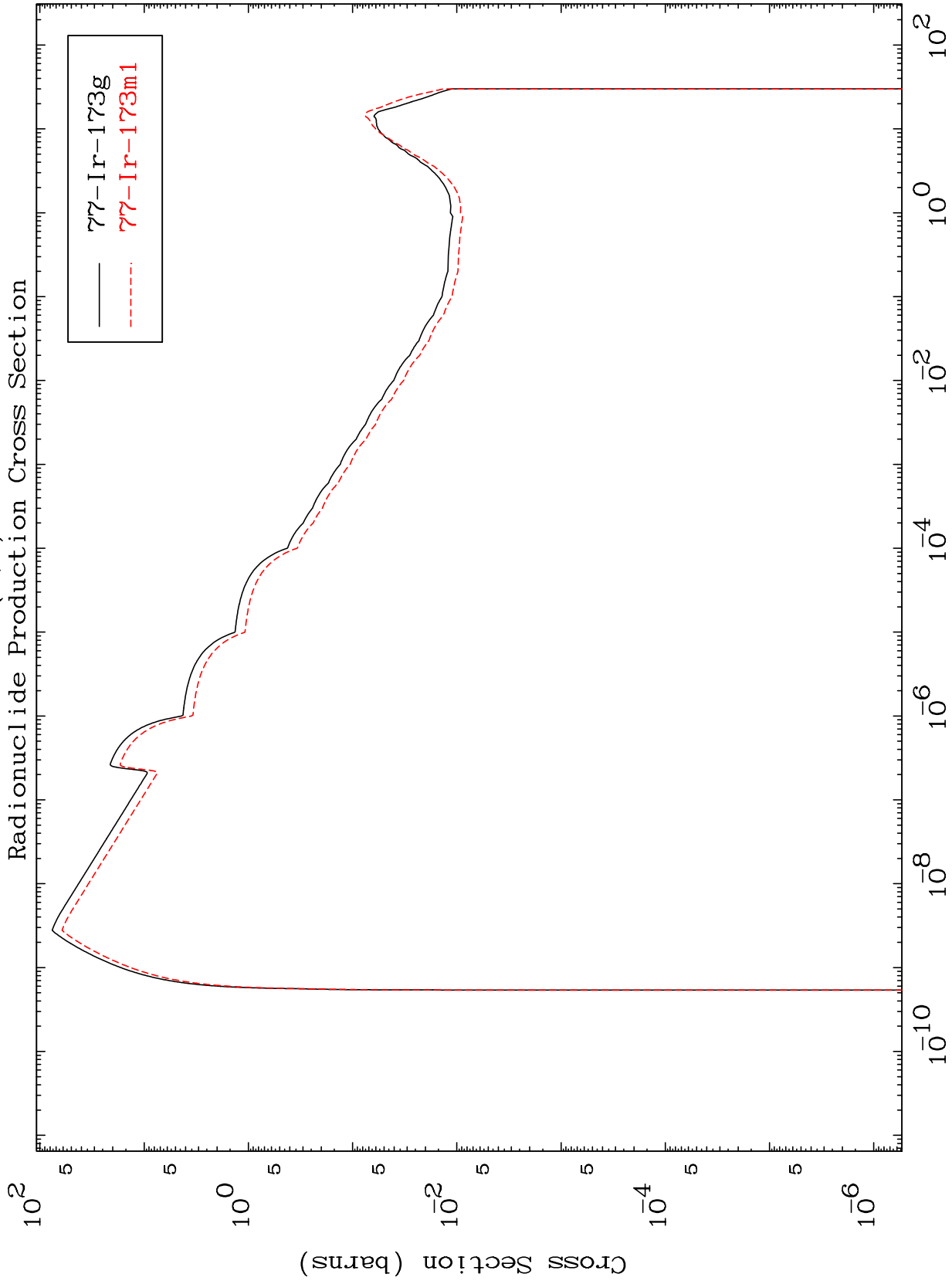
Incident Energy (MeV)

⁷⁹Au-176

MAT 7862

79-Au-176

(n, α)
Radionuclide Production Cross Section



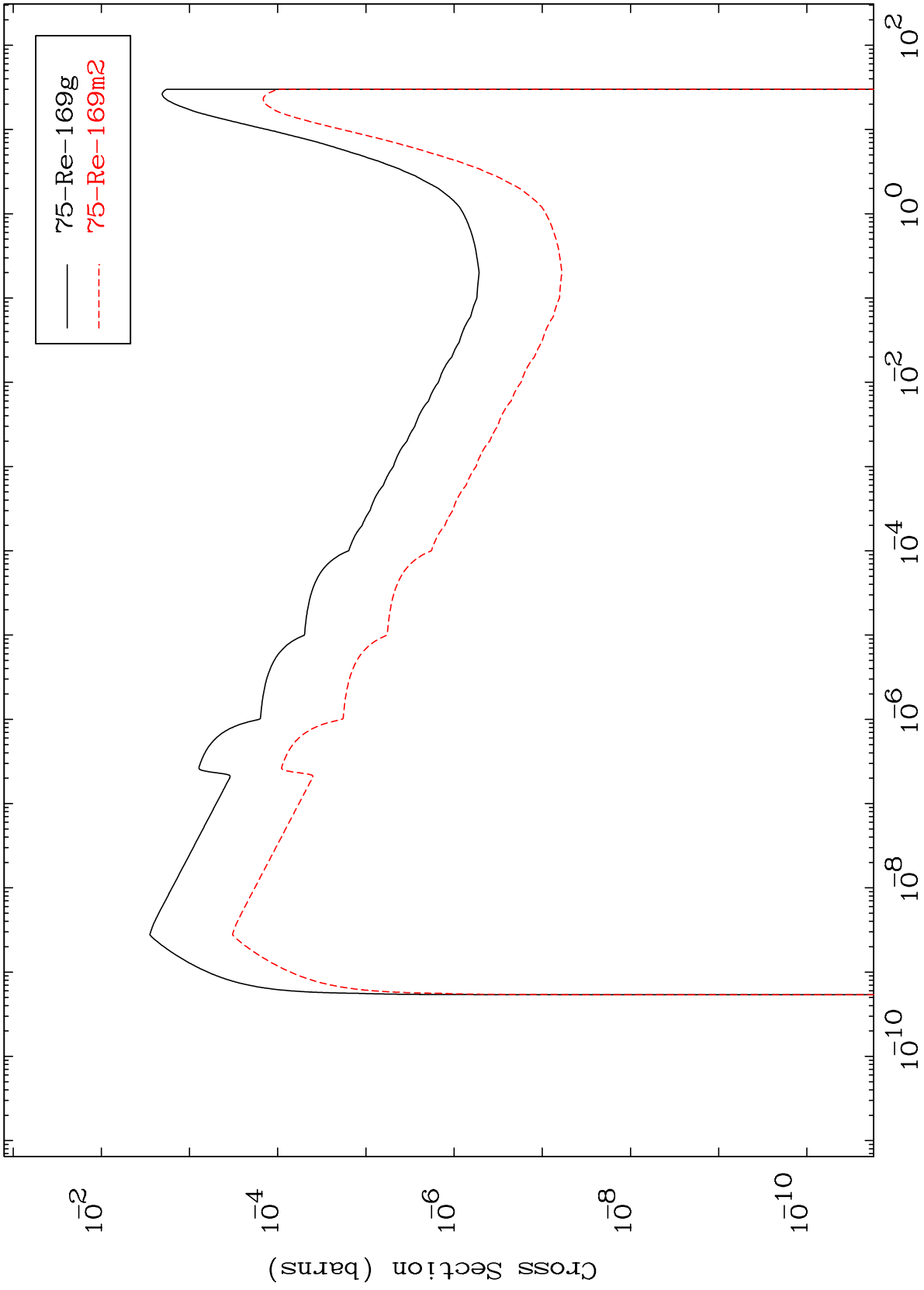
69

79-Au-176

MAT 7862

79-Au-176

(n,2α)
Radionuclide Production Cross Section



— 75-Re-169g
- - - 75-Re-169m2

70

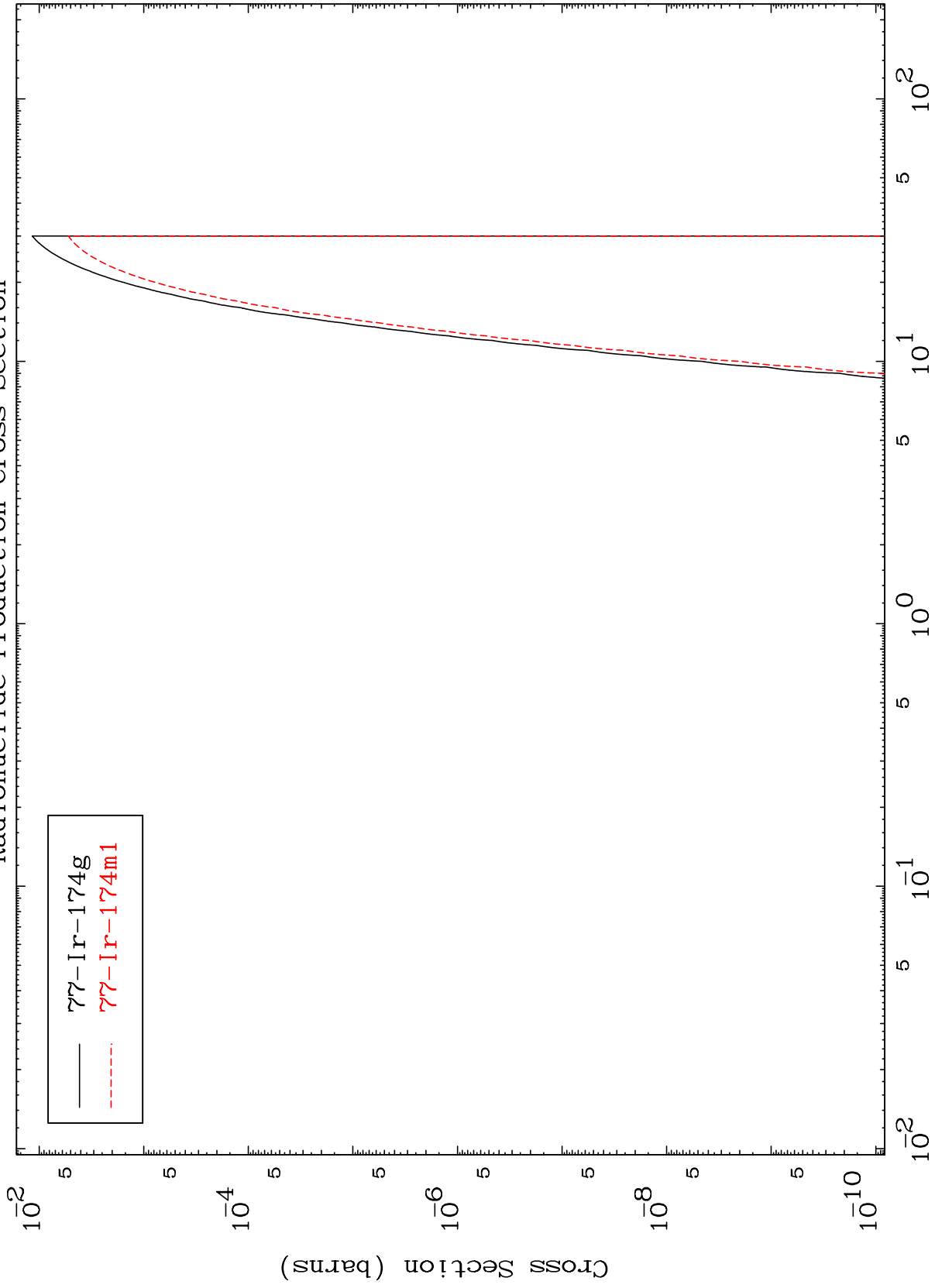
79-Au-176

MAT 7862

(n,p) d

⁷⁹Au-176

Radionuclide Production Cross Section



— ⁷⁷Ir-174g
- - - ⁷⁷Ir-174m1

71

Incident Energy (MeV)

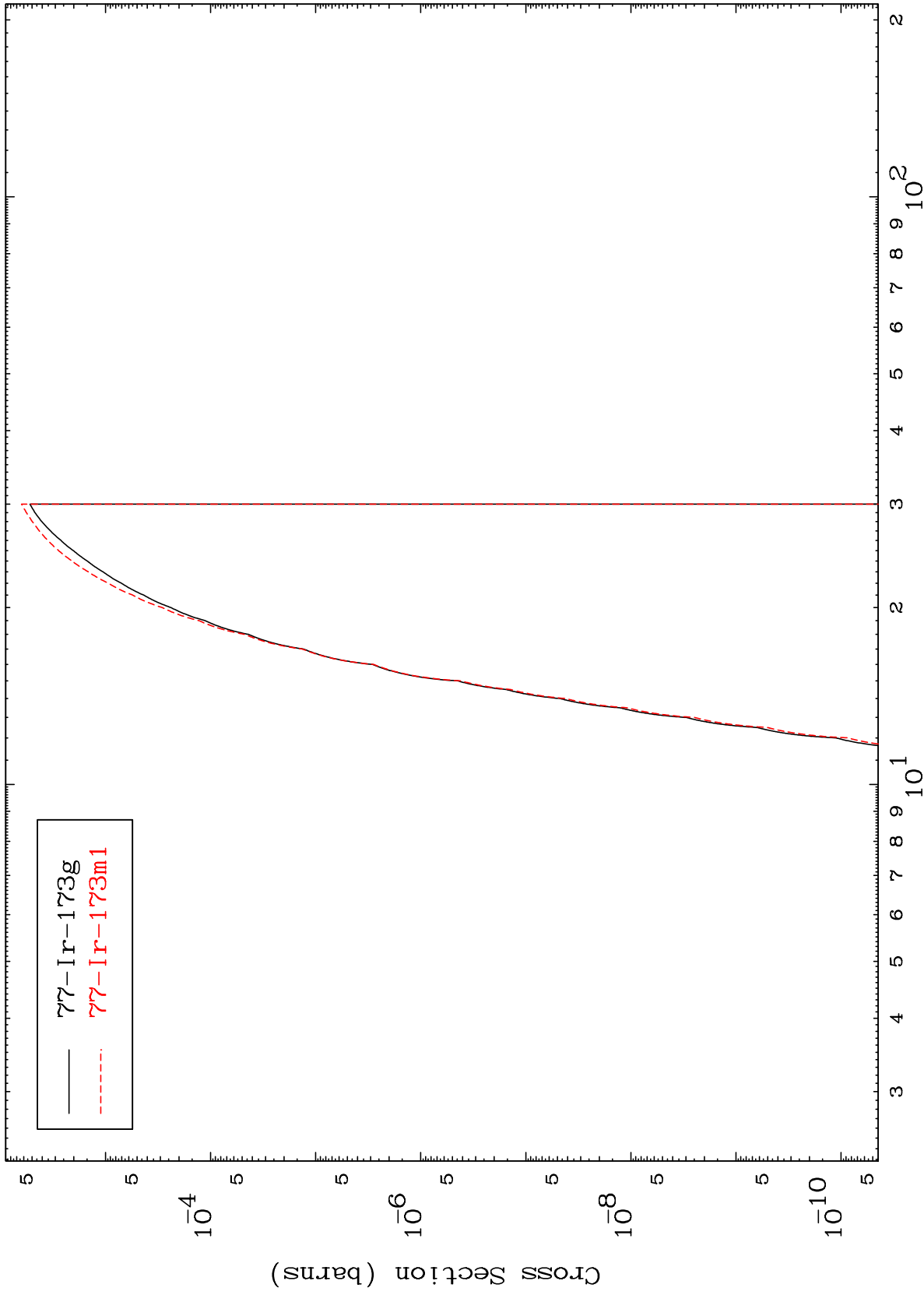
⁷⁹Au-176

MAT 7862

(n,p) t

⁷⁹Au-176

Radionuclide Production Cross Section



72

Incident Energy (MeV)

⁷⁹Au-176