

Program EVALPLOT
(Version 2021-1)

by

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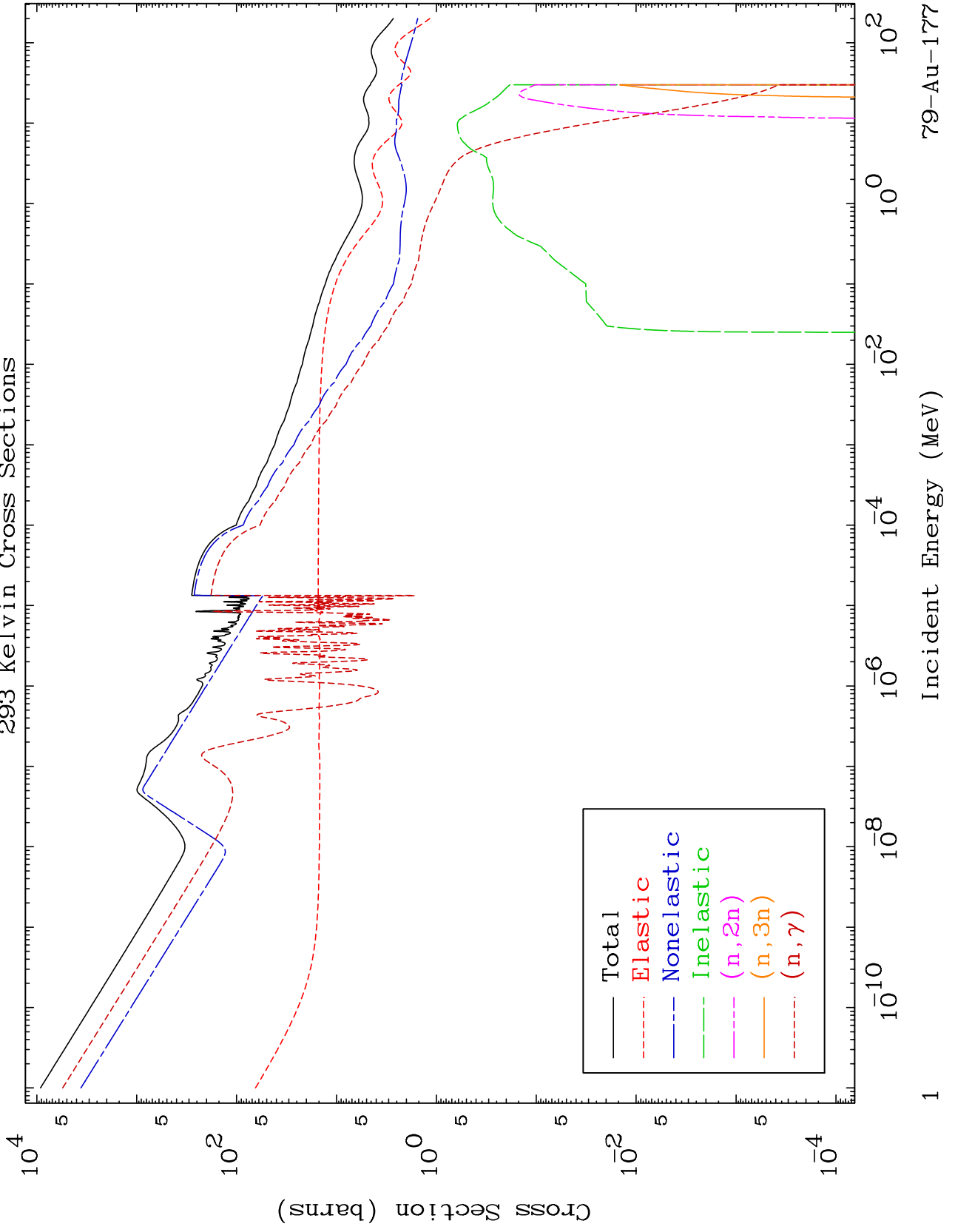
Web: redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7865

Neutron Major
293 Kelvin Cross Sections

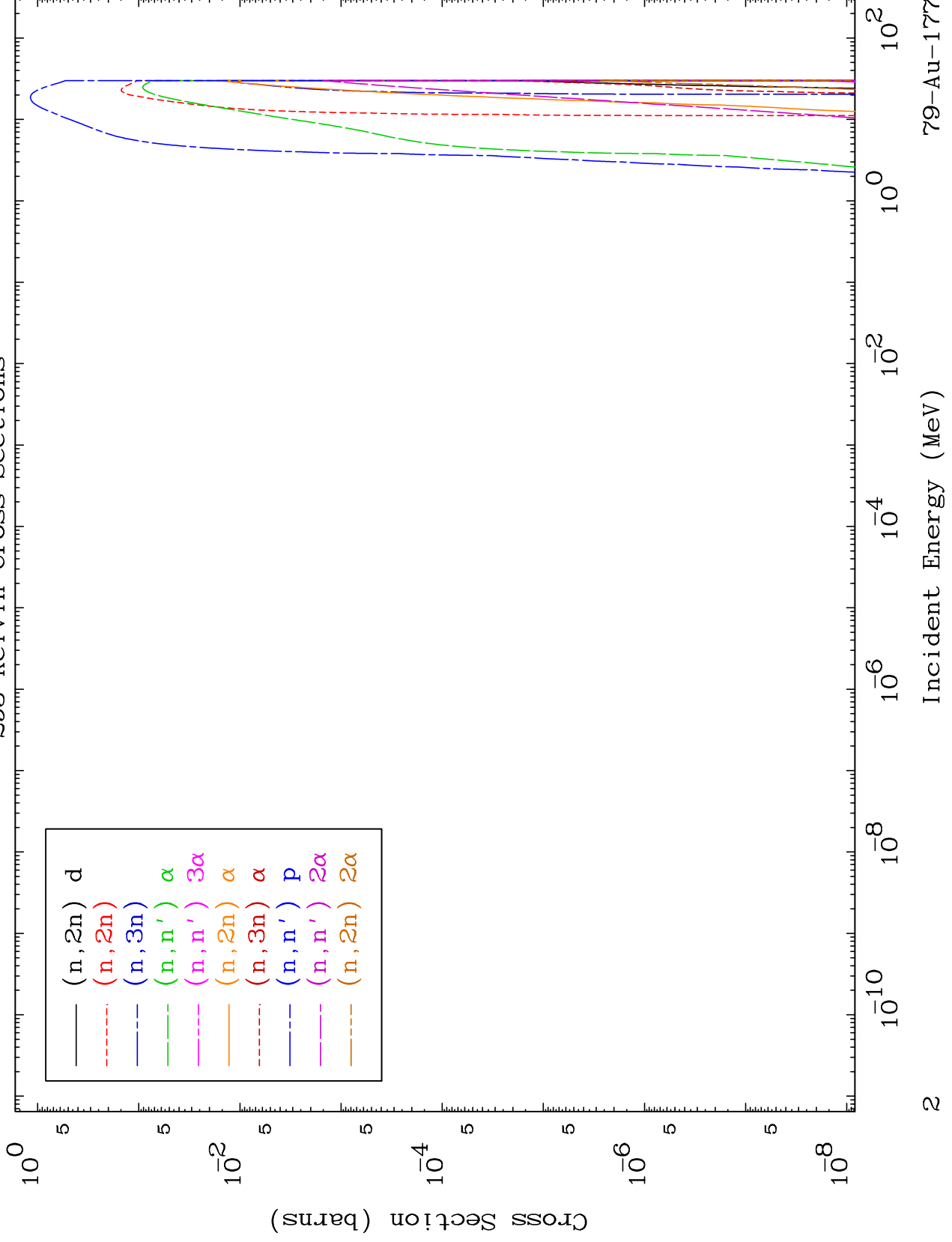
79-Au-177



MAT 7865

Neutron Absorption
293 Kelvin Cross Sections

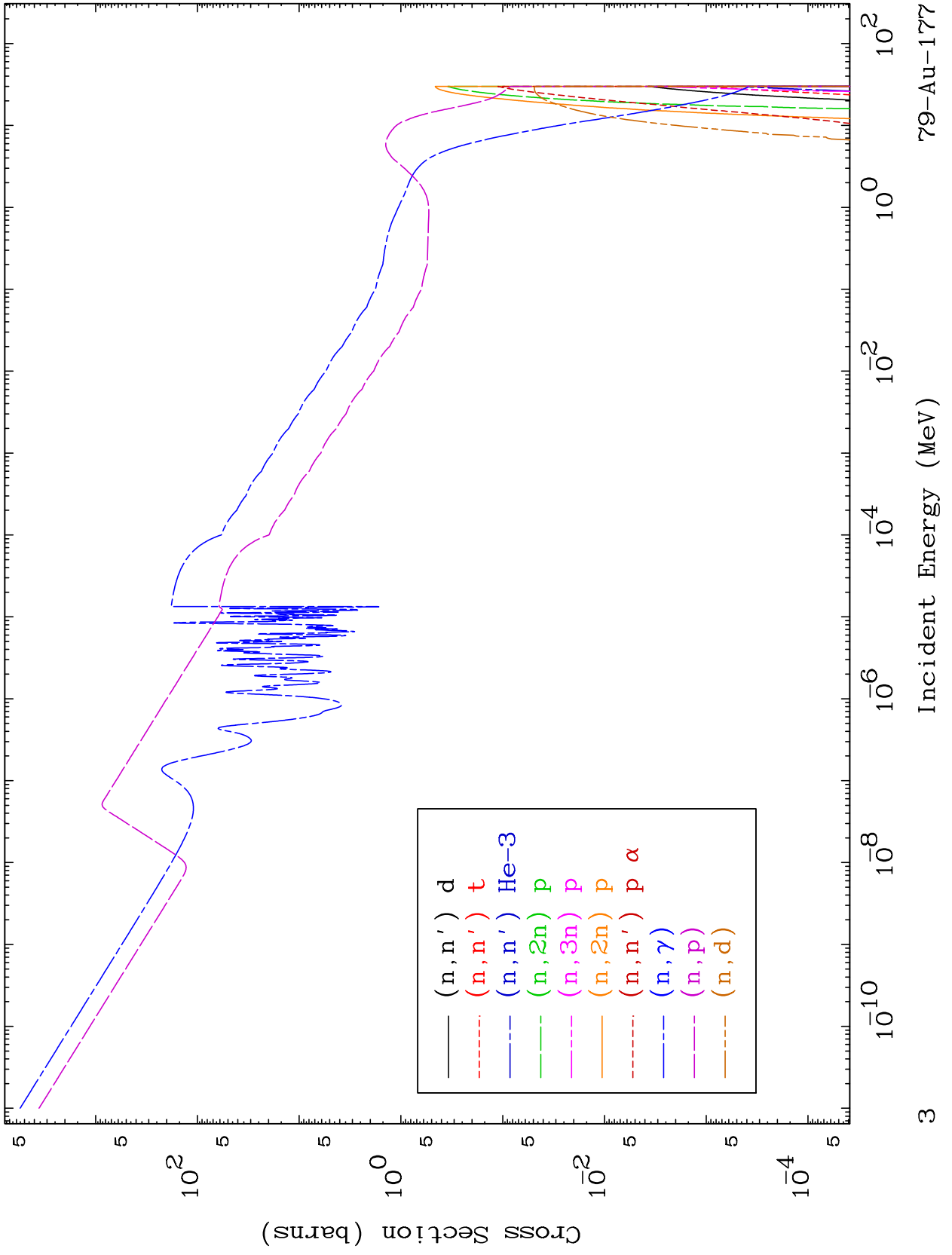
79-Au-177



MAT 7865

Neutron Absorption
293 Kelvin Cross Sections

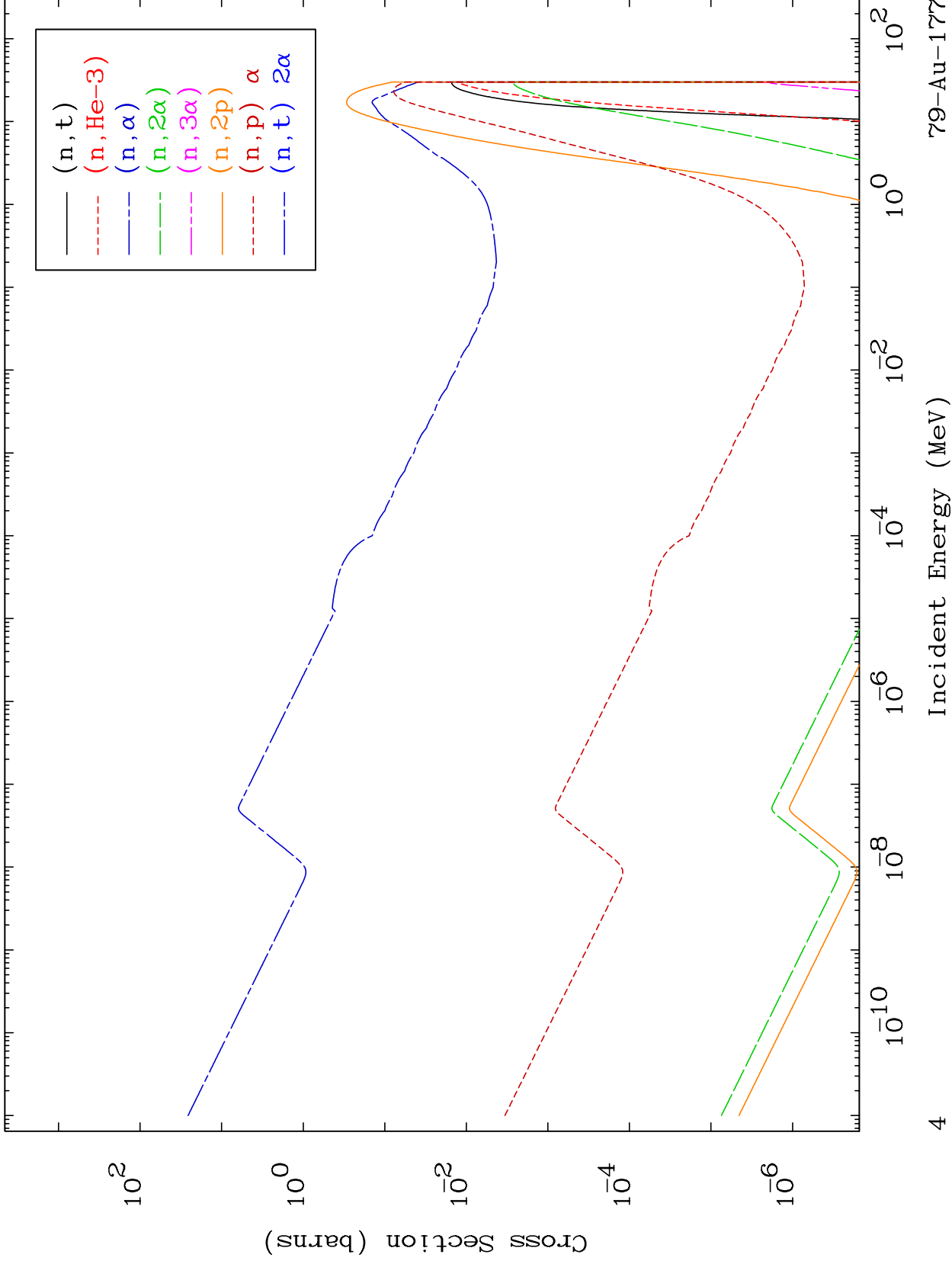
79-Au-177



MAT 7865

Neutron Absorption
293 Kelvin Cross Sections

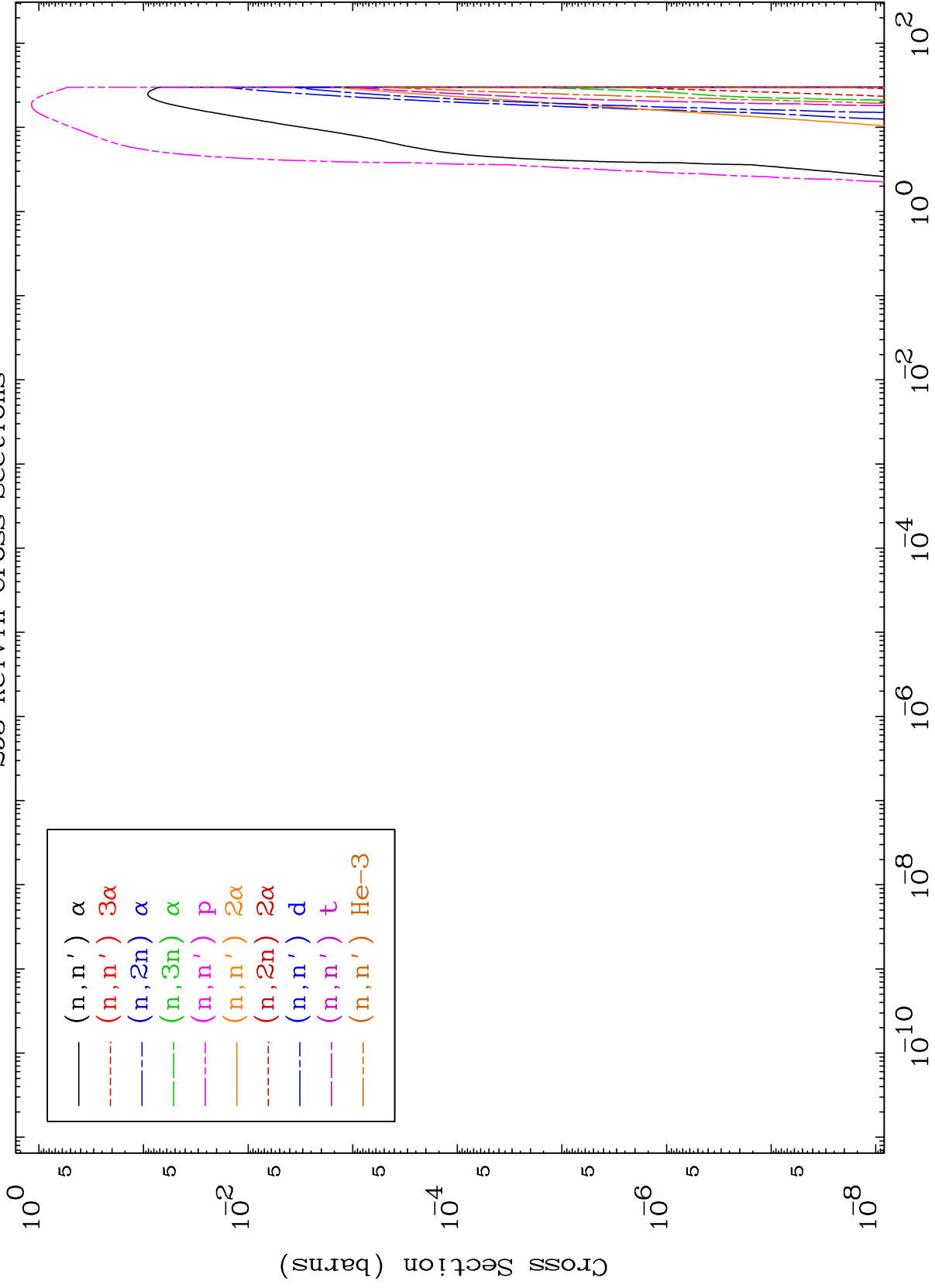
79-Au-177



MAT 7865

Charged Particle
293 Kelvin Cross Sections

79-Au-177



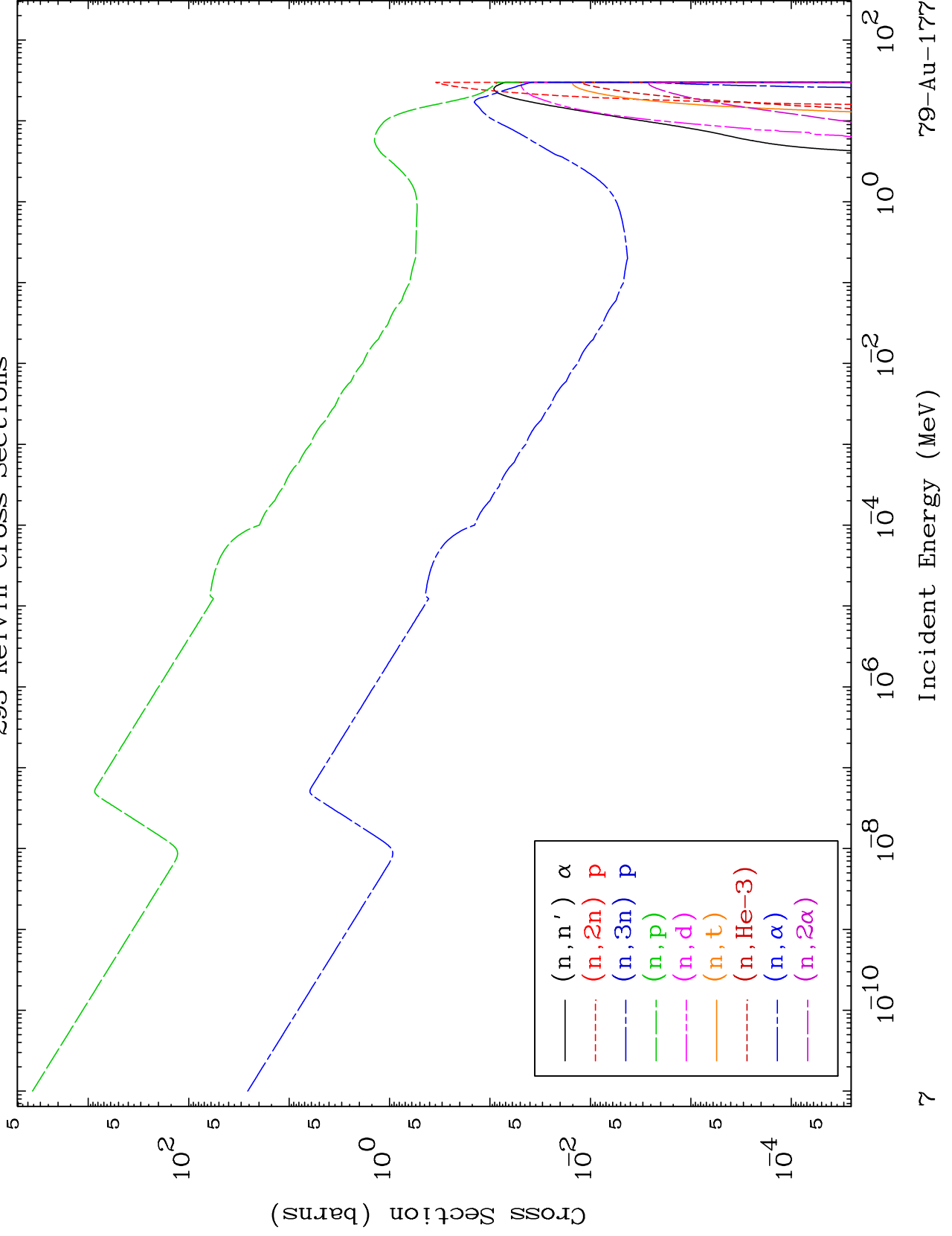
79-Au-177

Incident Energy (MeV)

MAT 7865

Charged Particle
293 Kelvin Cross Sections

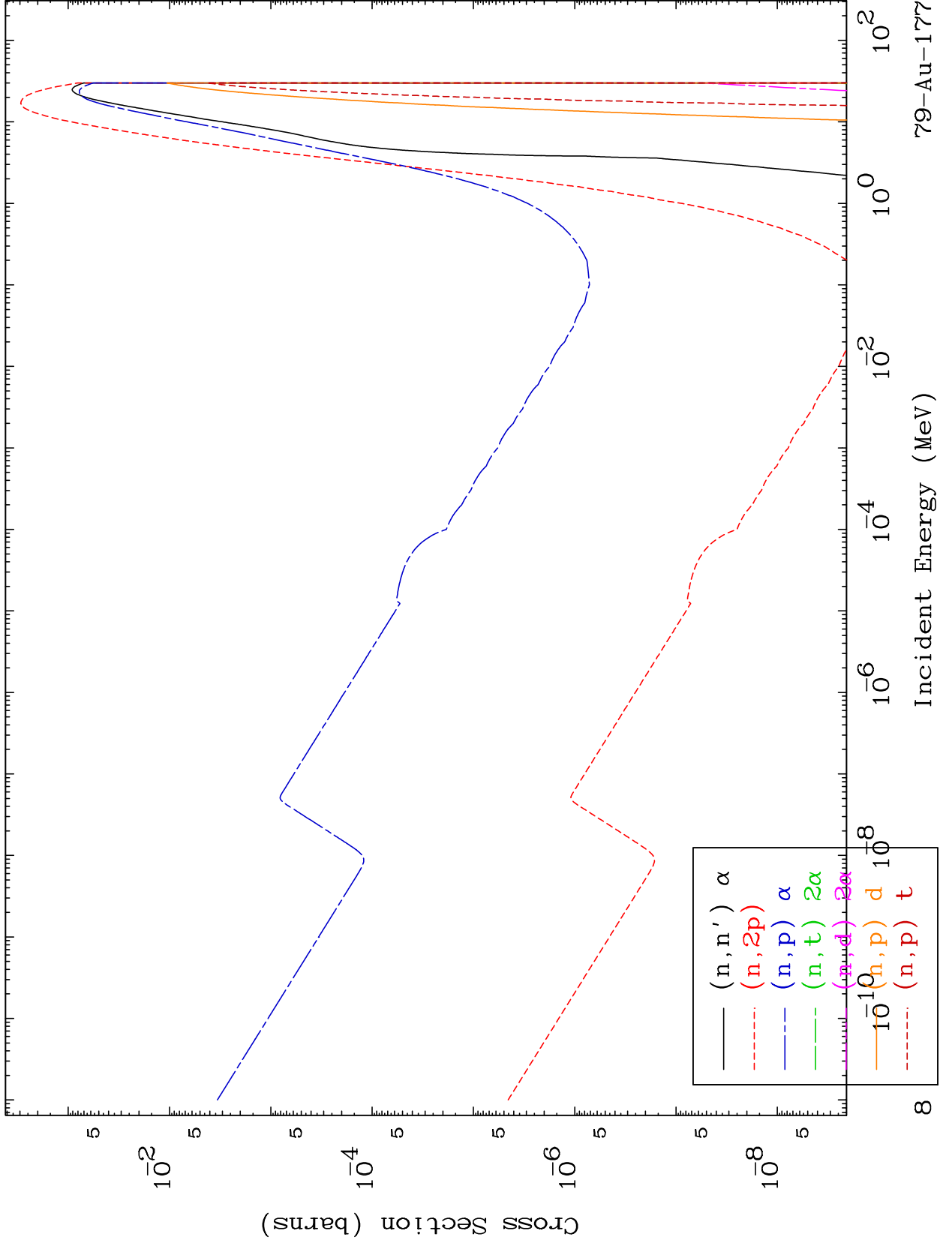
79-Au-177



MAT 7865

Charged Particle
293 Kelvin Cross Sections

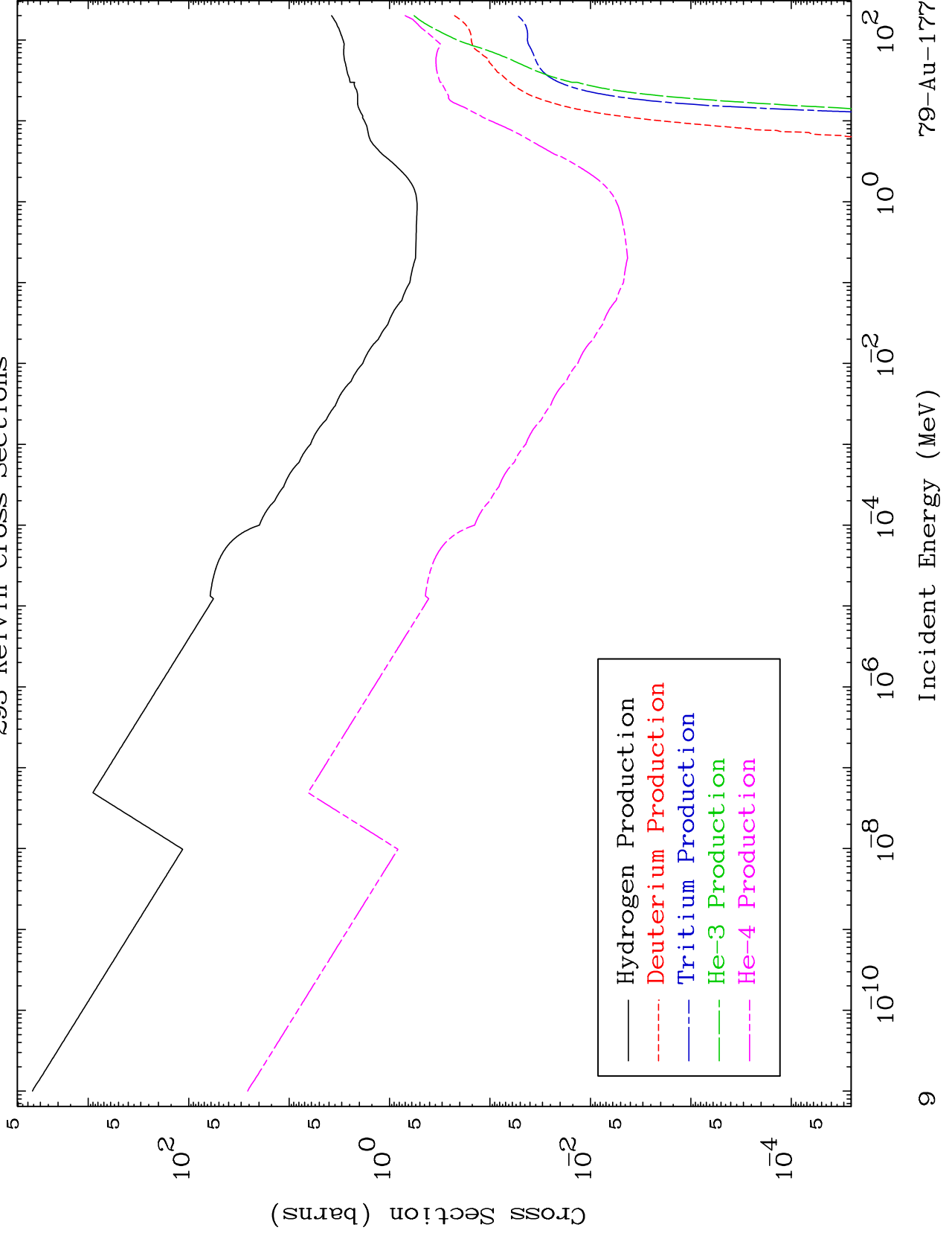
79-Au-177



MAT 7865

Particle Production
293 Kelvin Cross Sections

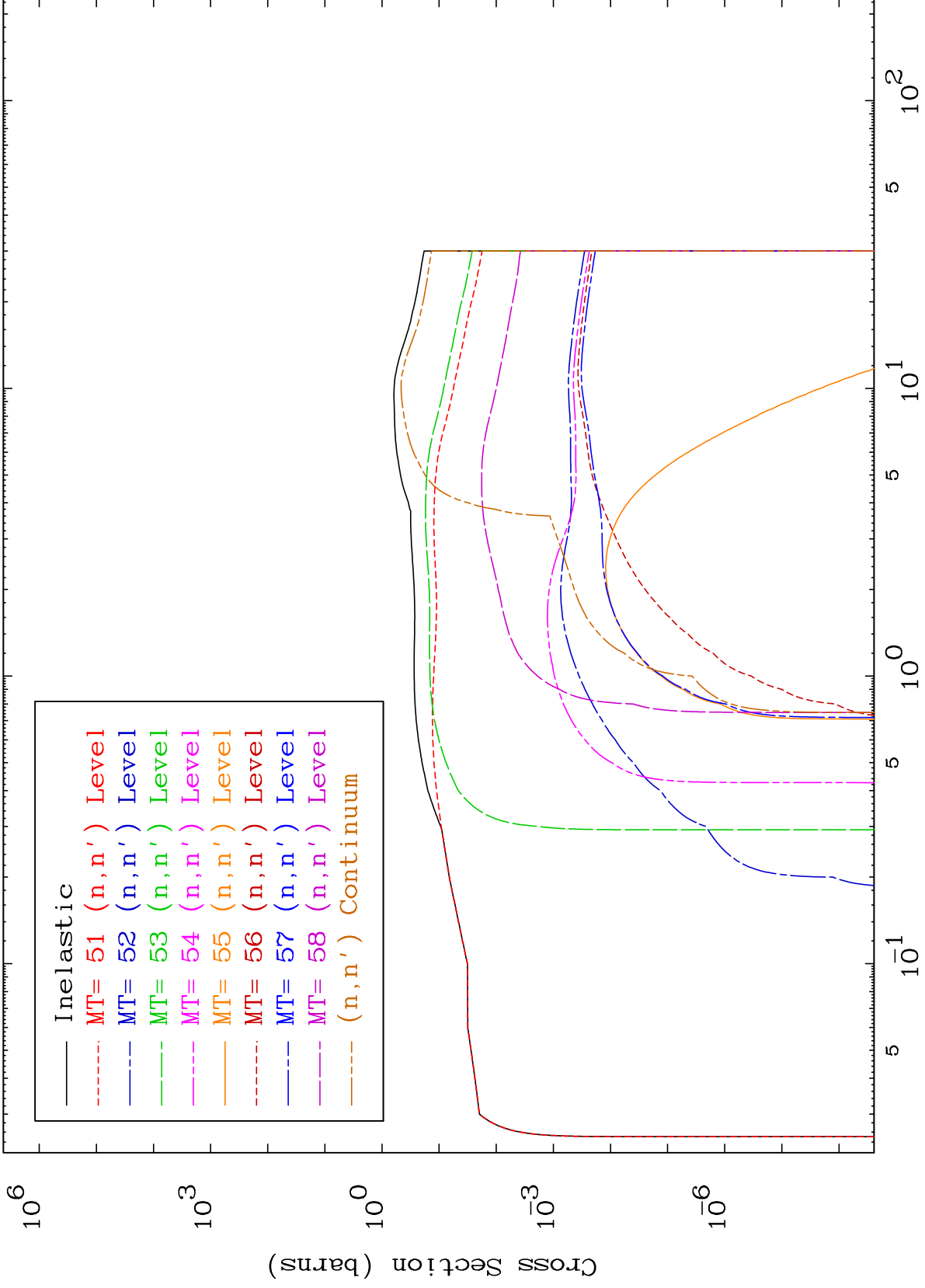
79-Au-177



MAT 7865

(n,n') Levels
293 Kelvin Cross Sections

79-Au-177



10

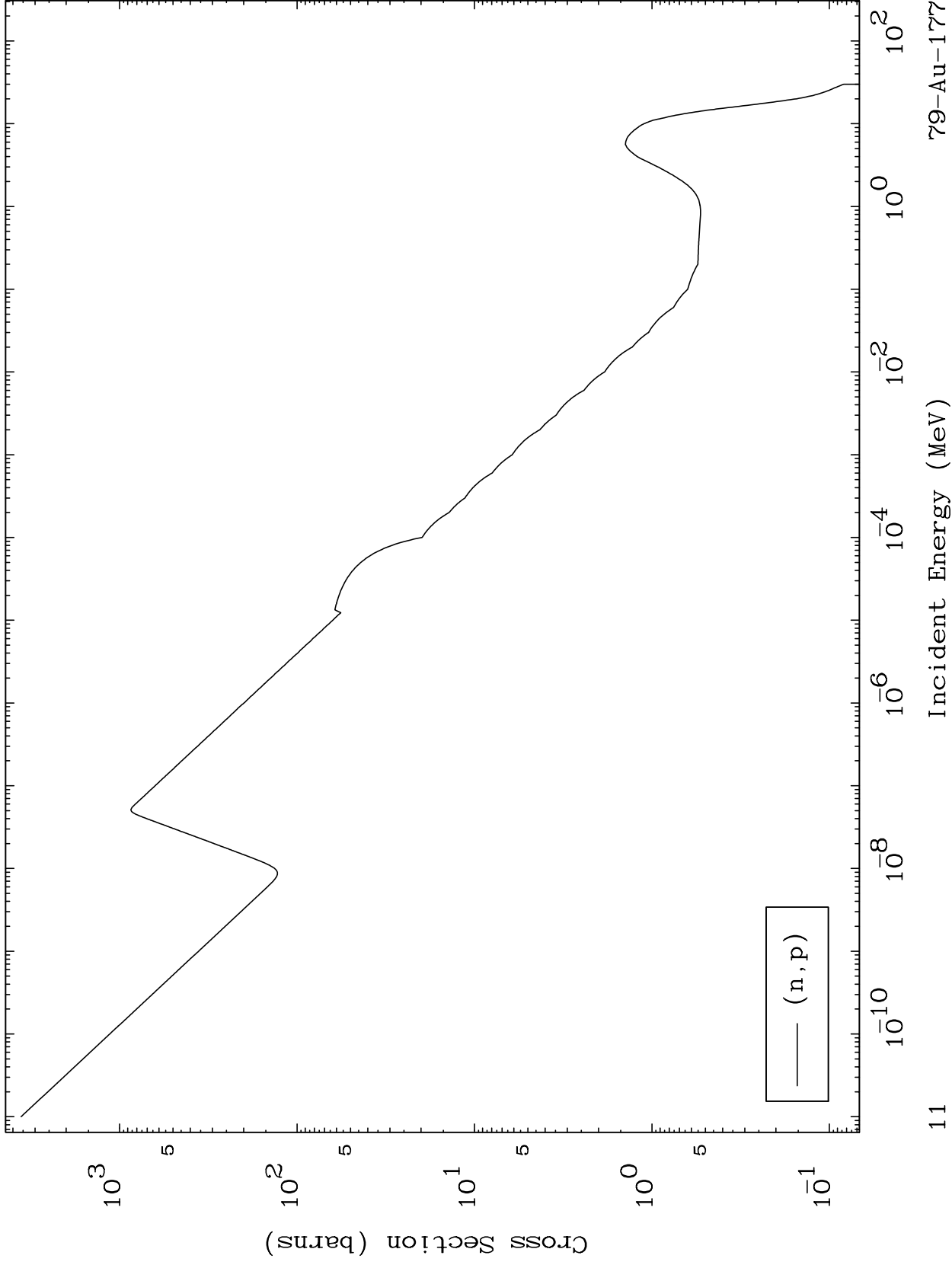
Incident Energy (MeV)

79-Au-177

MAT 7865

(n,p) Levels
293 Kelvin Cross Sections

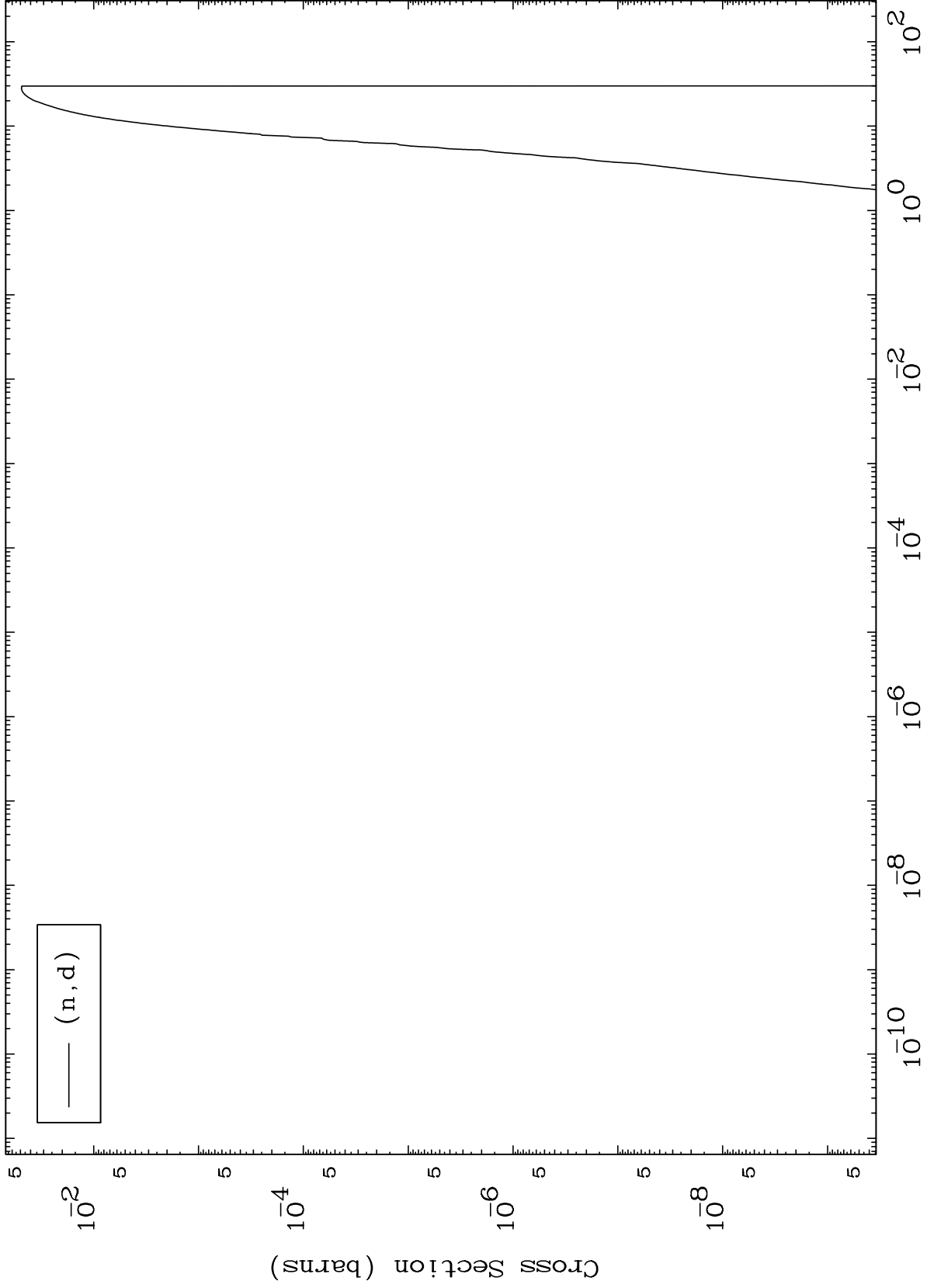
79-Au-177



MAT 7865

(n,d) Levels
293 Kelvin Cross Sections

79-Au-177

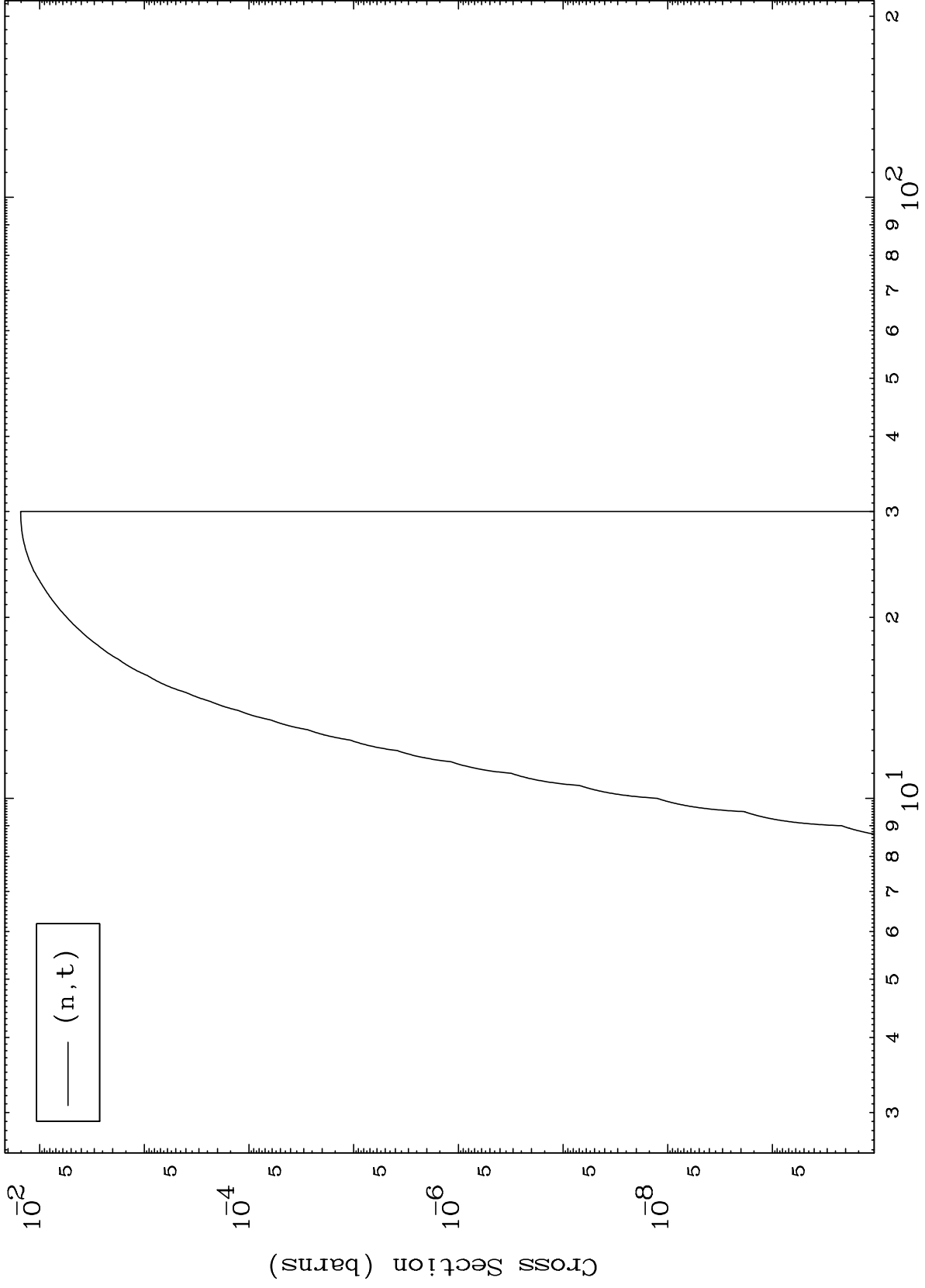


(n,d)

MAT 7865

(n,t) Levels
293 Kelvin Cross Sections

79-Au-177



13

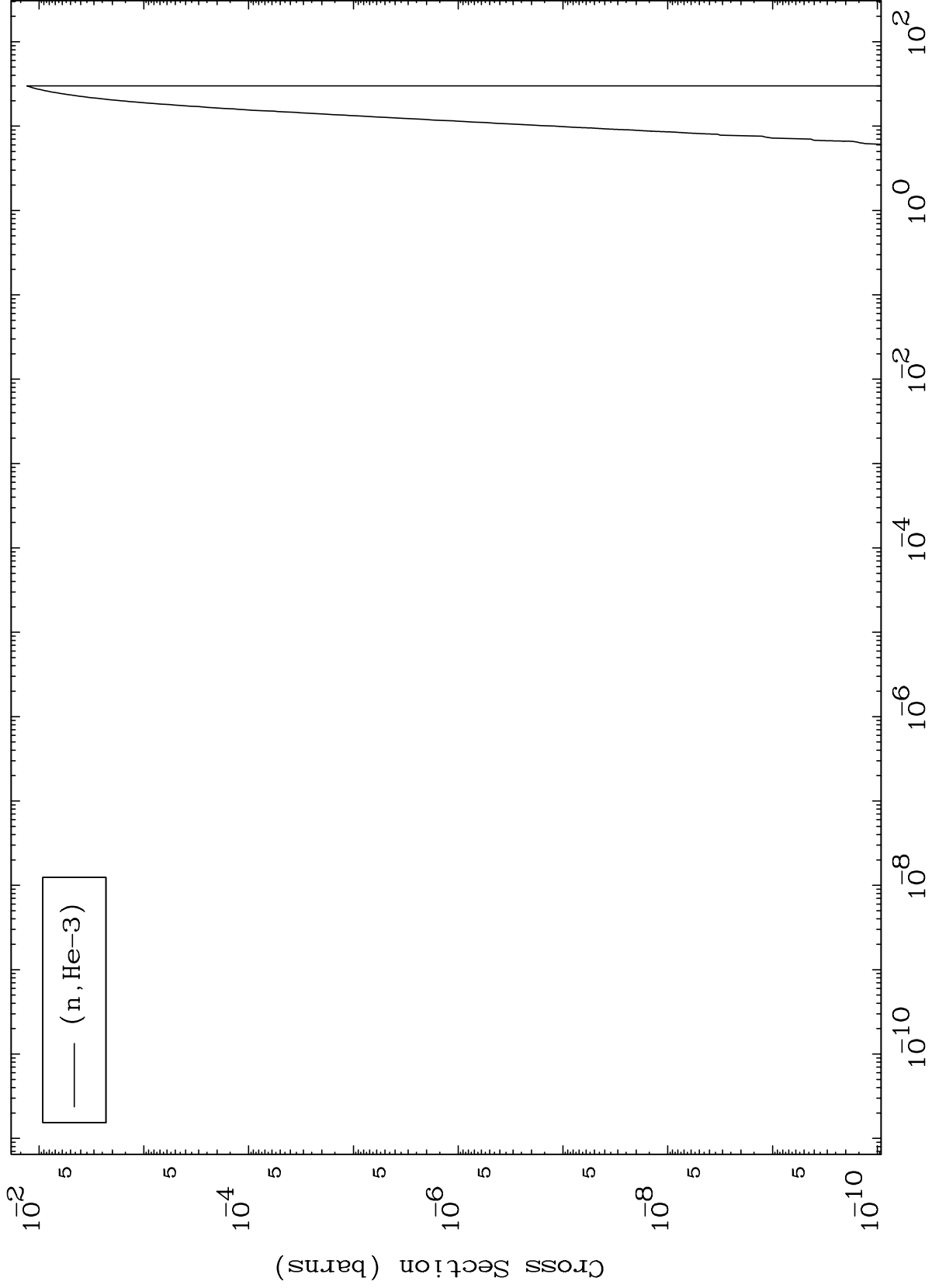
Incident Energy (MeV)

79-Au-177

MAT 7865

(n,He3) Levels
293 Kelvin Cross Sections

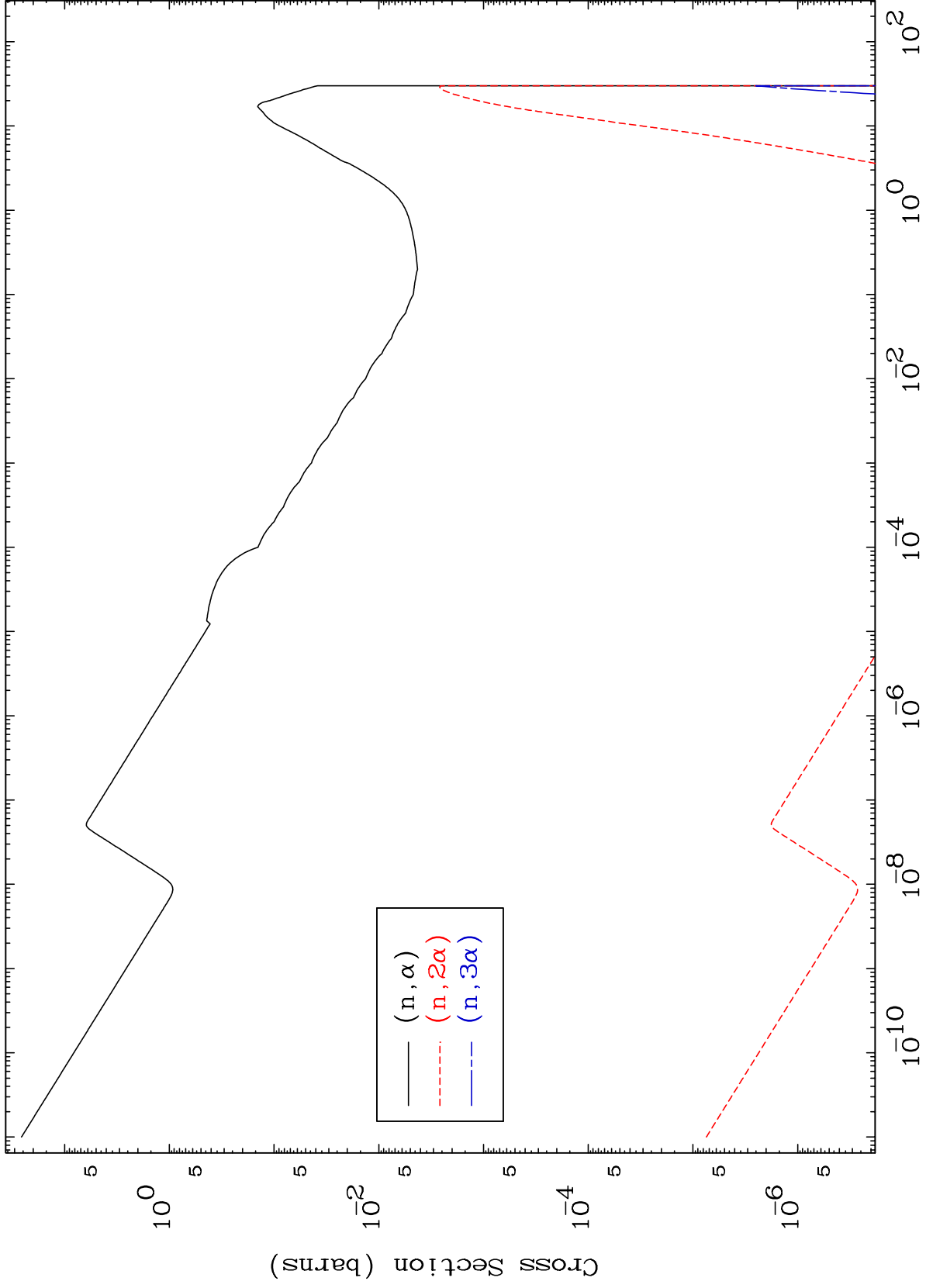
79-Au-177



MAT 7865

(n, α) Levels
293 Kelvin Cross Sections

79-Au-177



15

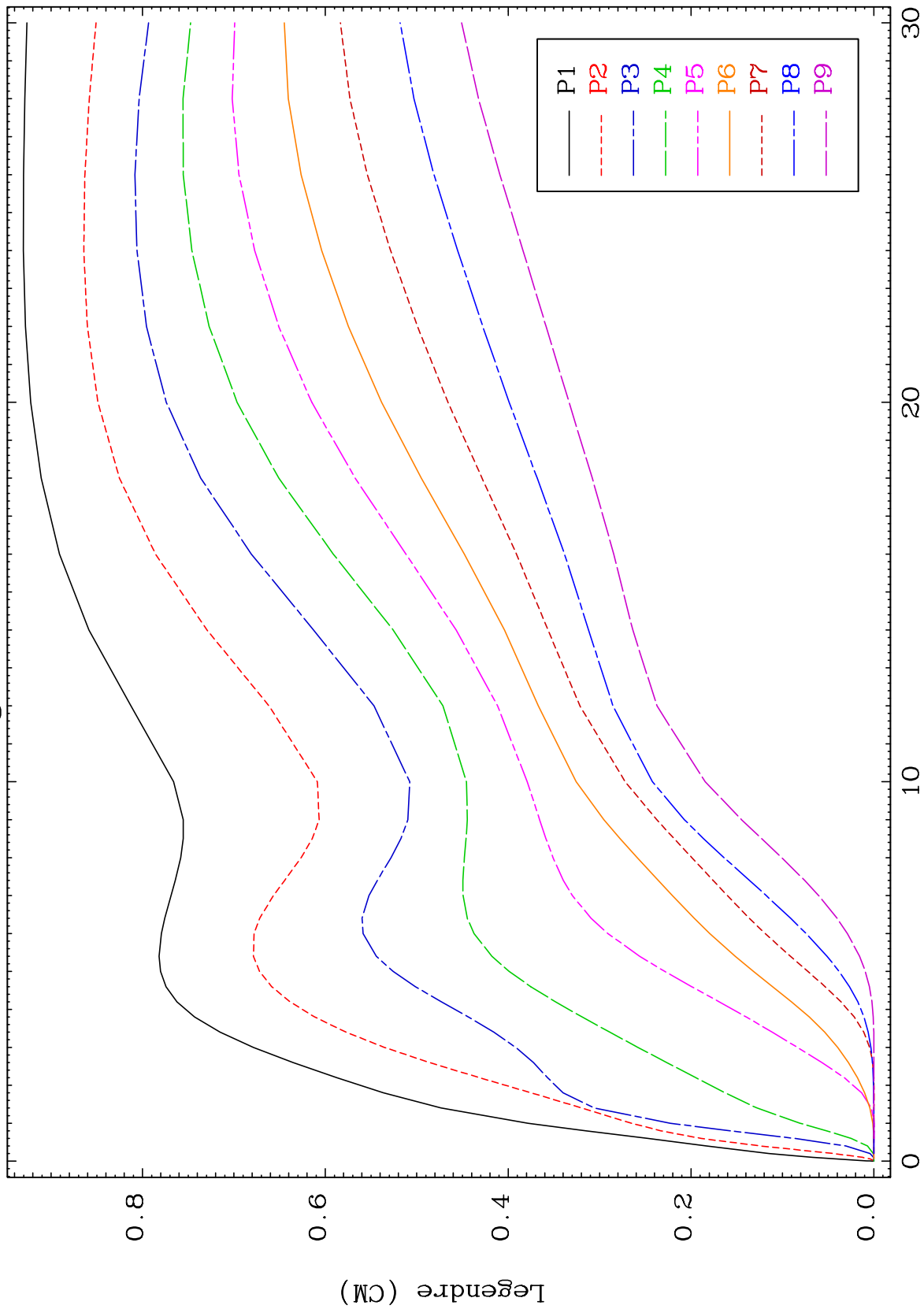
Incident Energy (MeV)

79-Au-177

MAT 7865

Elastic Legendre Coefficients

79-Au-177



16

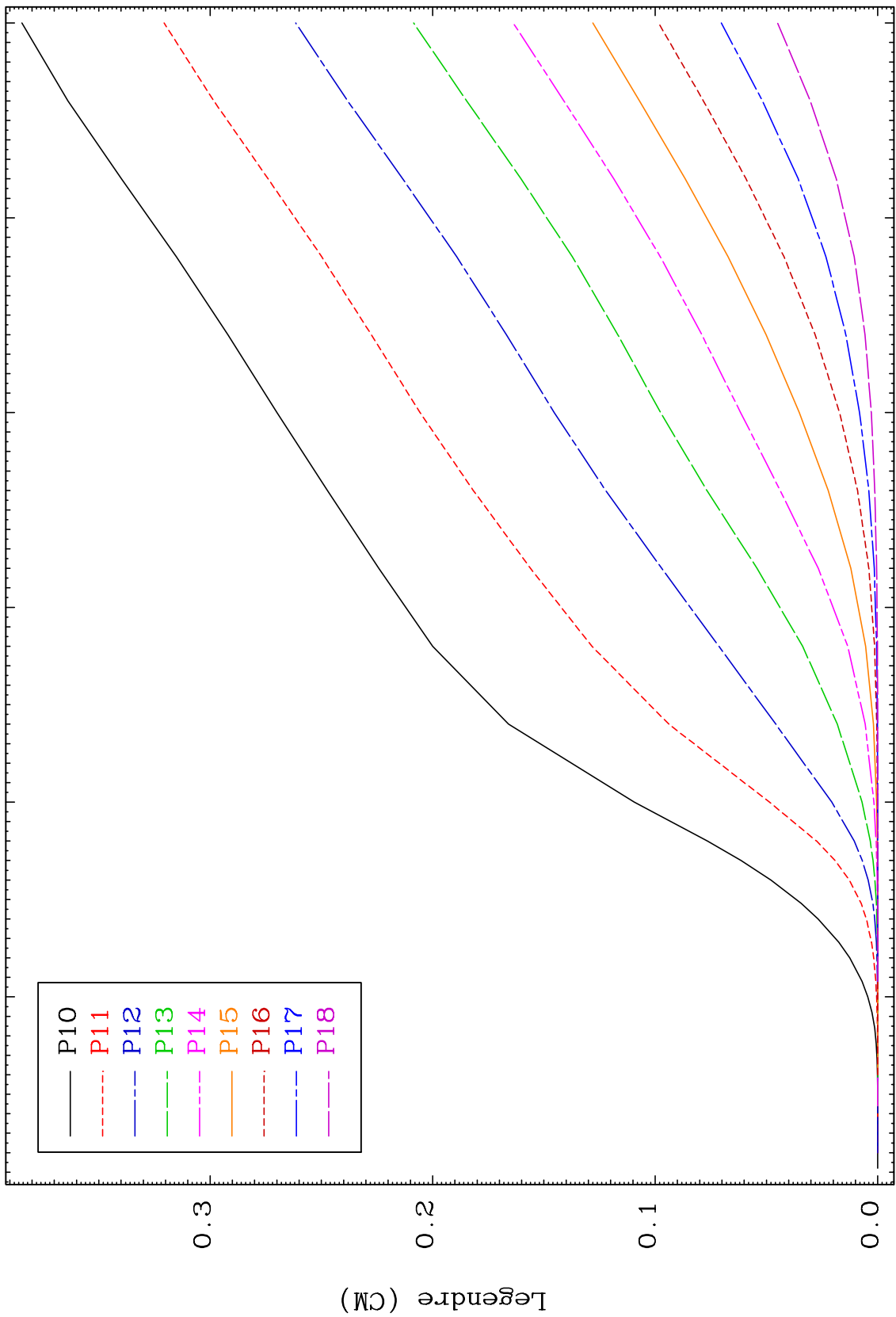
Incident Energy (MeV)

79-Au-177

MAT 7865

Elastic Legendre Coefficients

⁷⁹Au-177



17

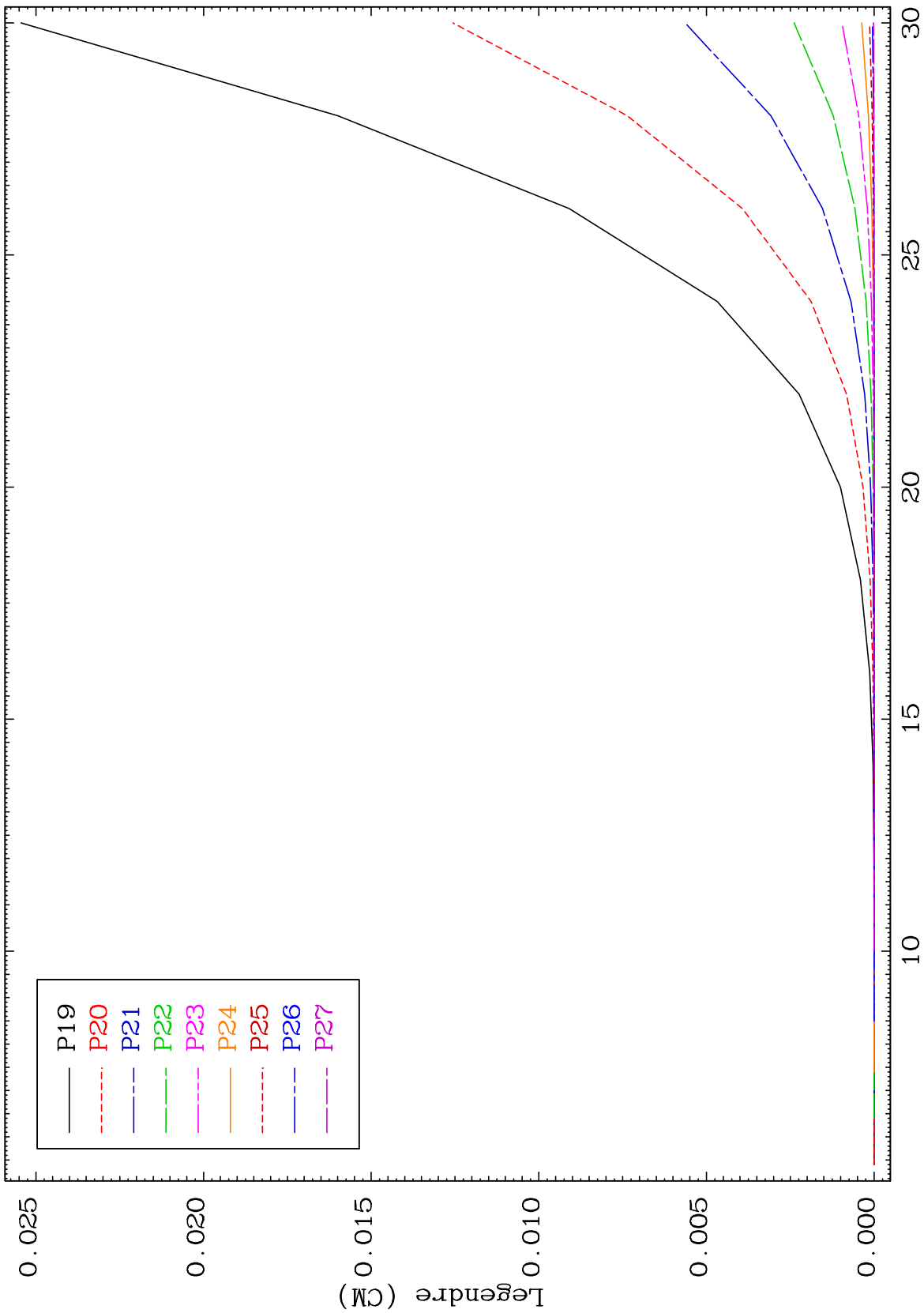
Incident Energy (MeV)

⁷⁹Au-177

MAT 7865

Elastic Legendre Coefficients

79-Au-177



18

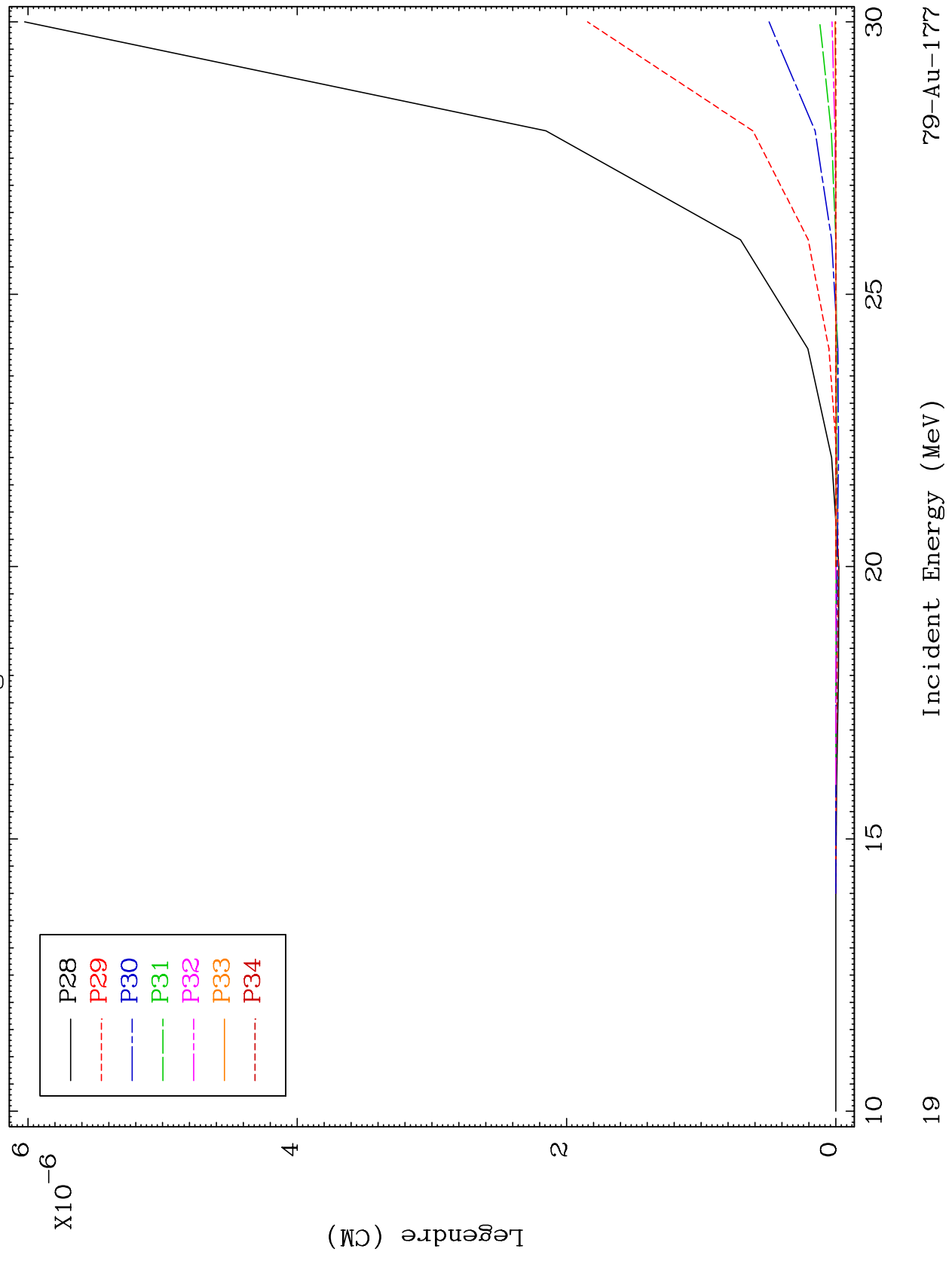
Incident Energy (MeV)

79-Au-177

MAT 7865

Elastic Legendre Coefficients

79-Au-177



19

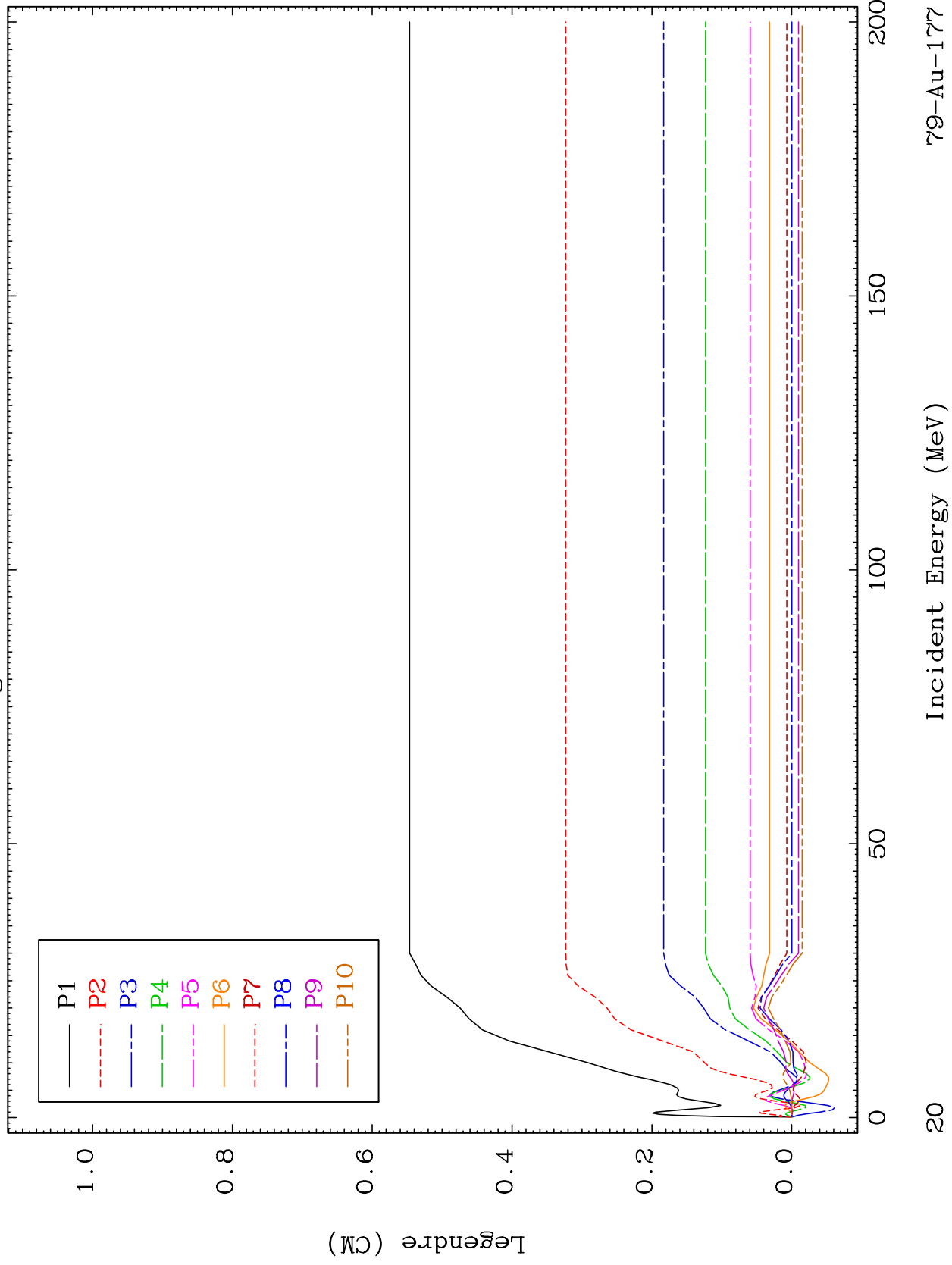
Incident Energy (MeV)

79-Au-177

MAT 7865

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

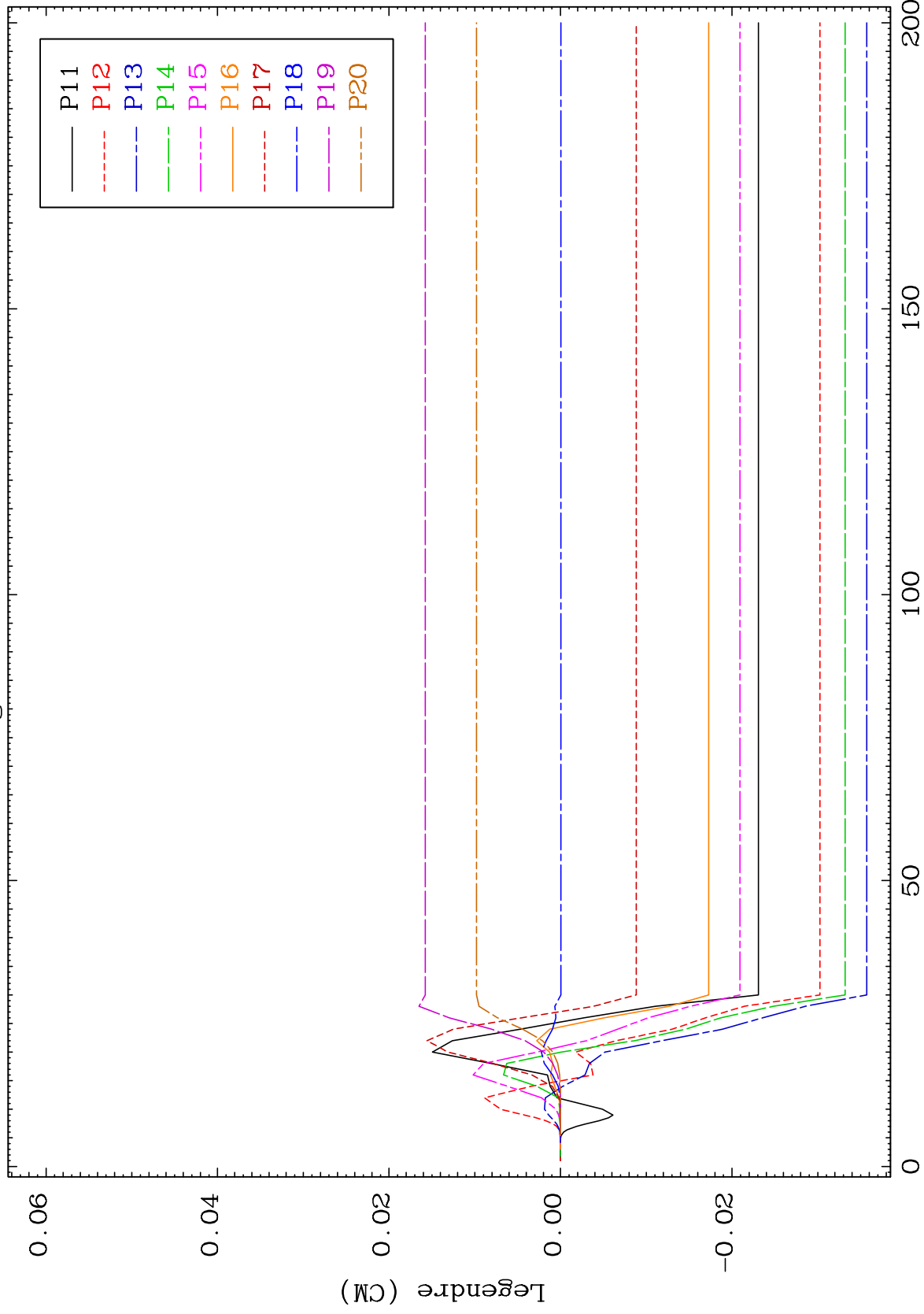
79-Au-177



MAT 7865

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

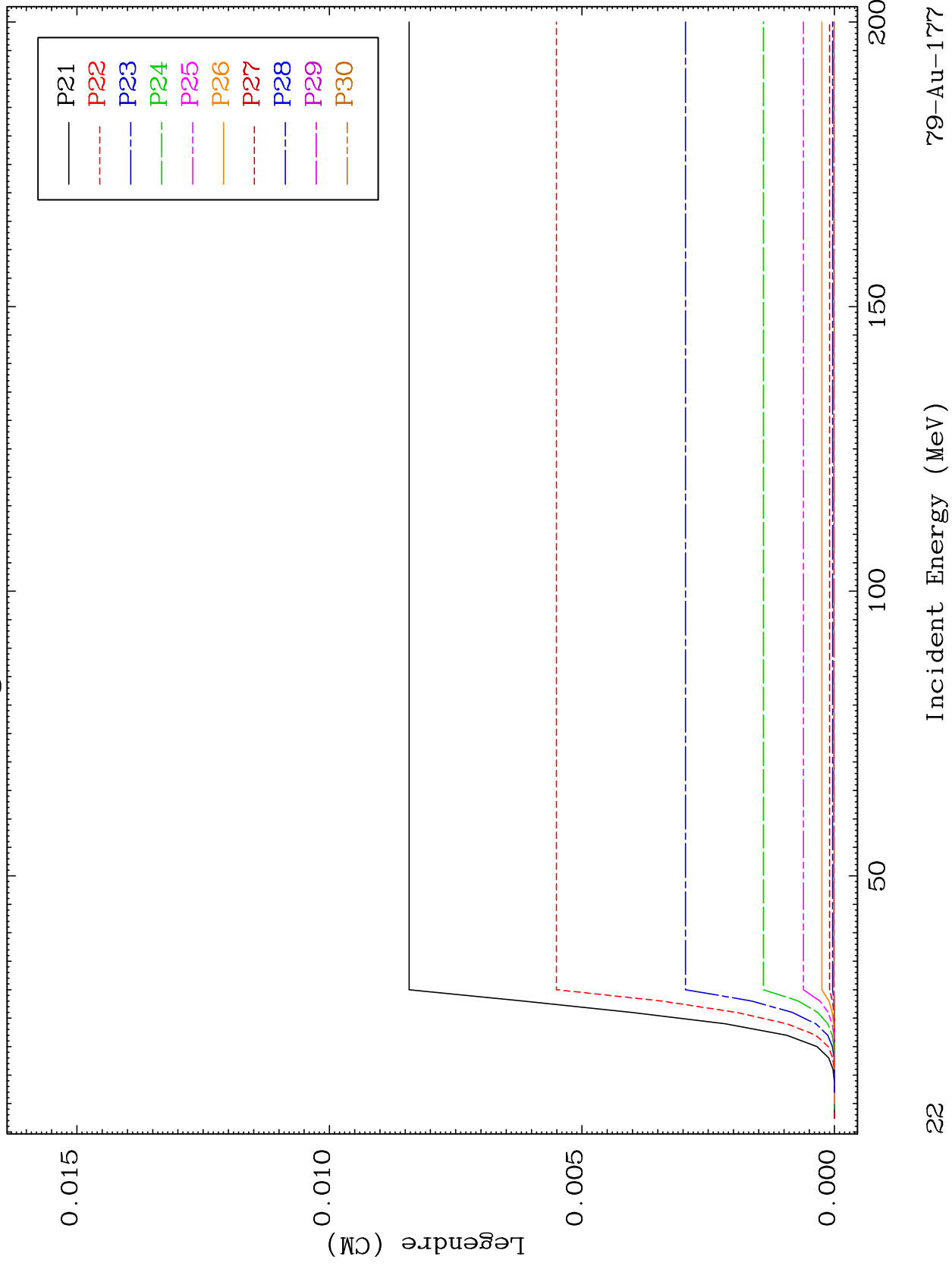
79-Au-177



MAT 7865

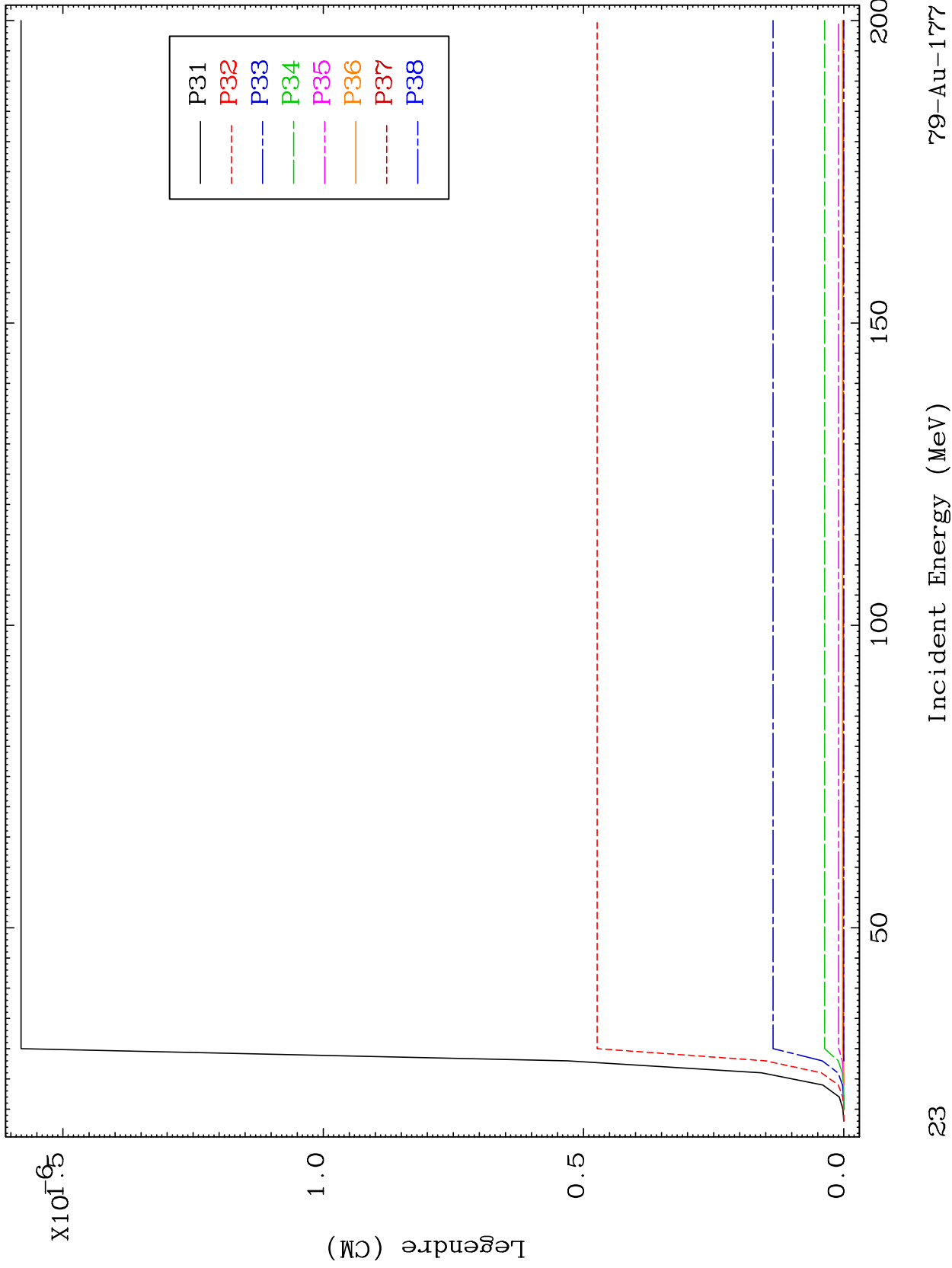
MT= 51 (n,n') Level
Legendre Coefficients

79-Au-177



22

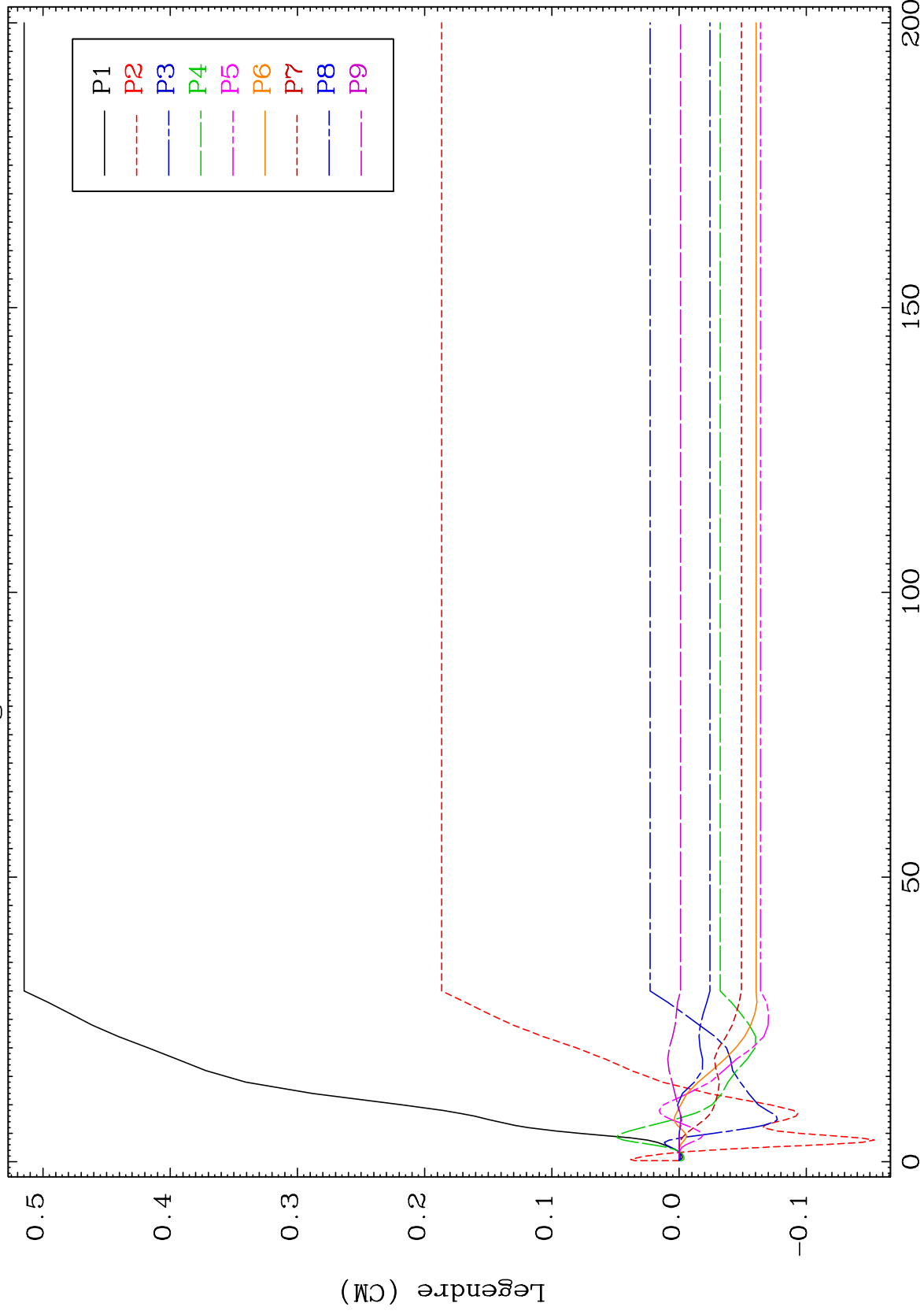
79-Au-177



MAT 7865

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

79-Au-177



24

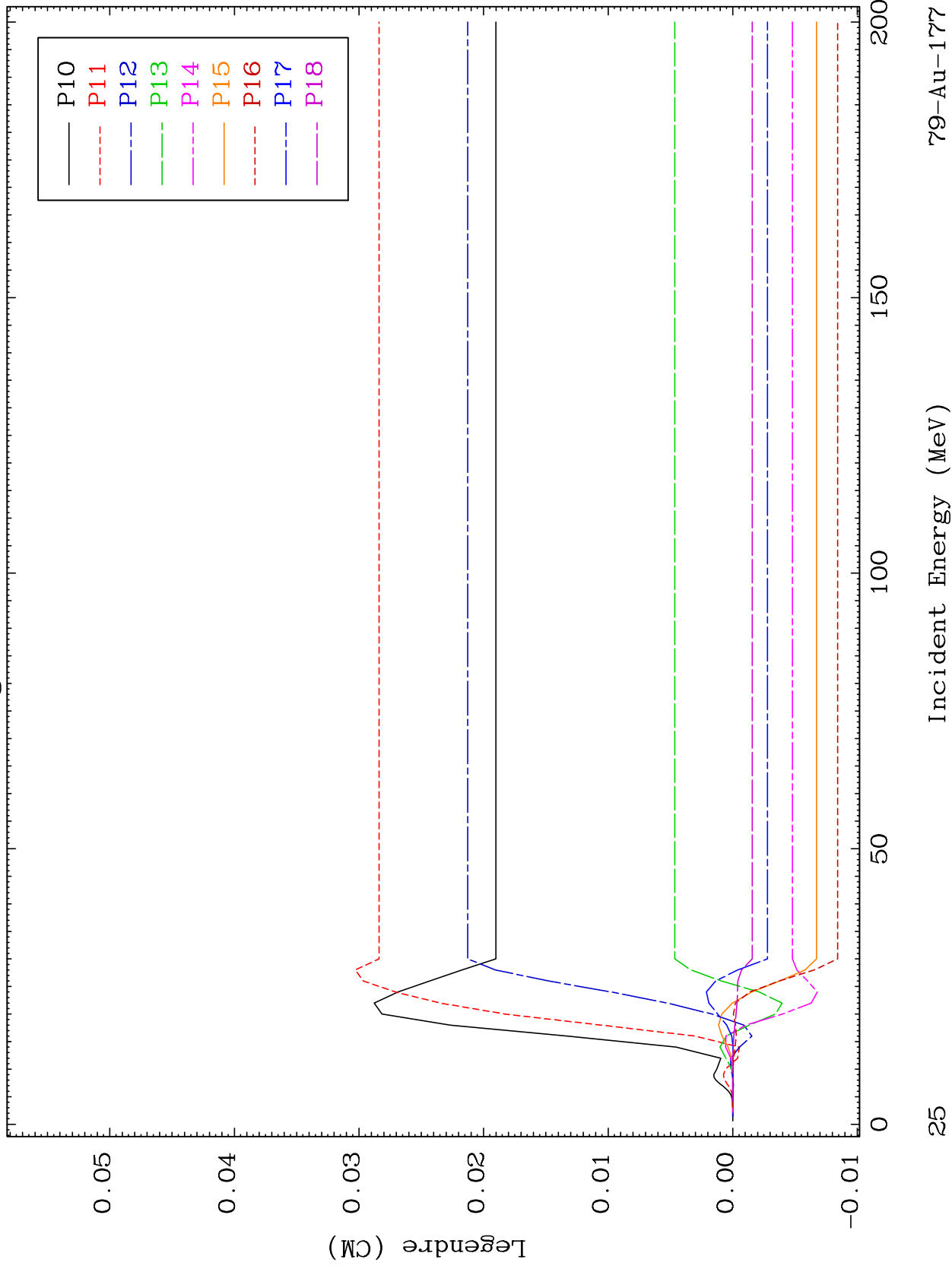
Incident Energy (MeV)

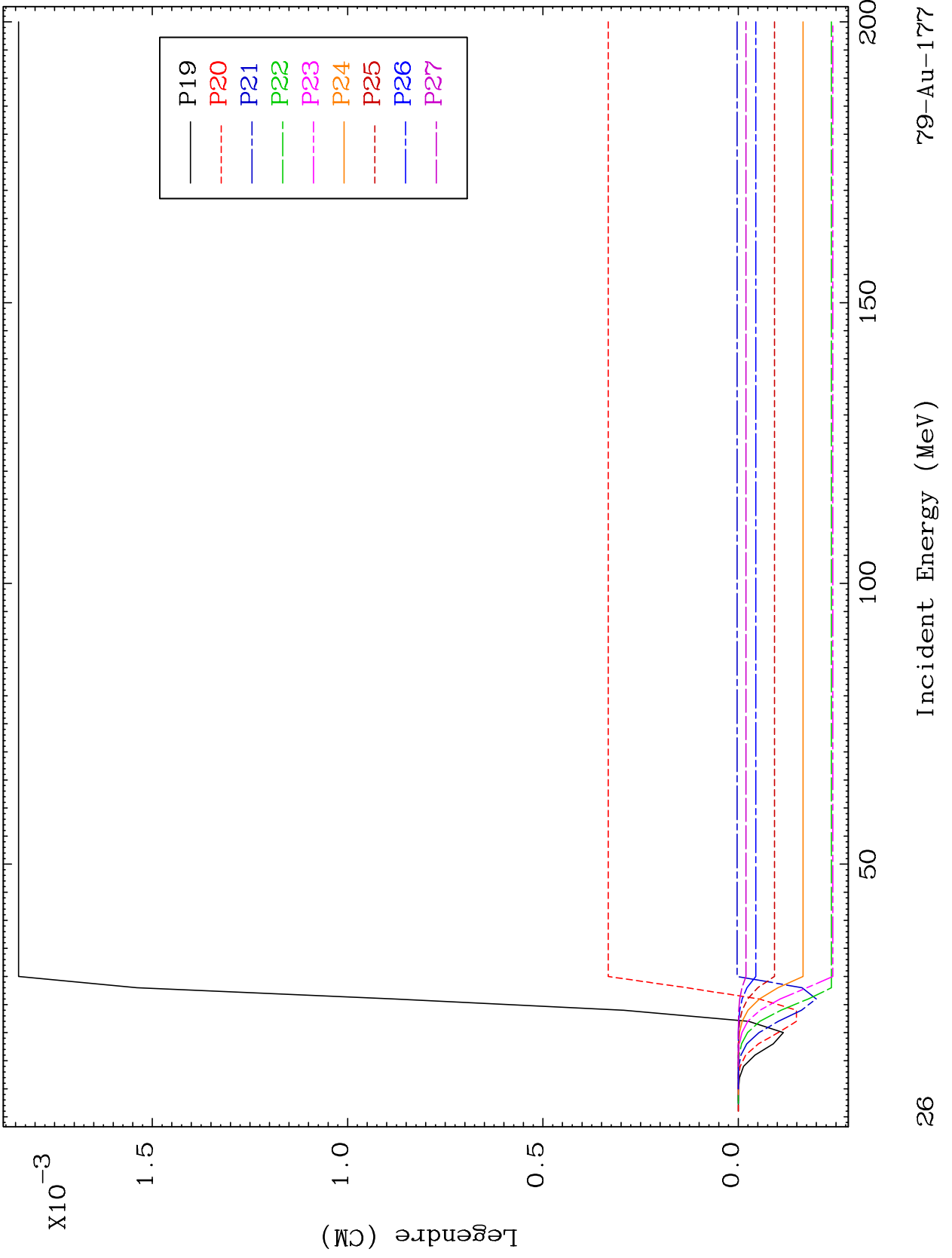
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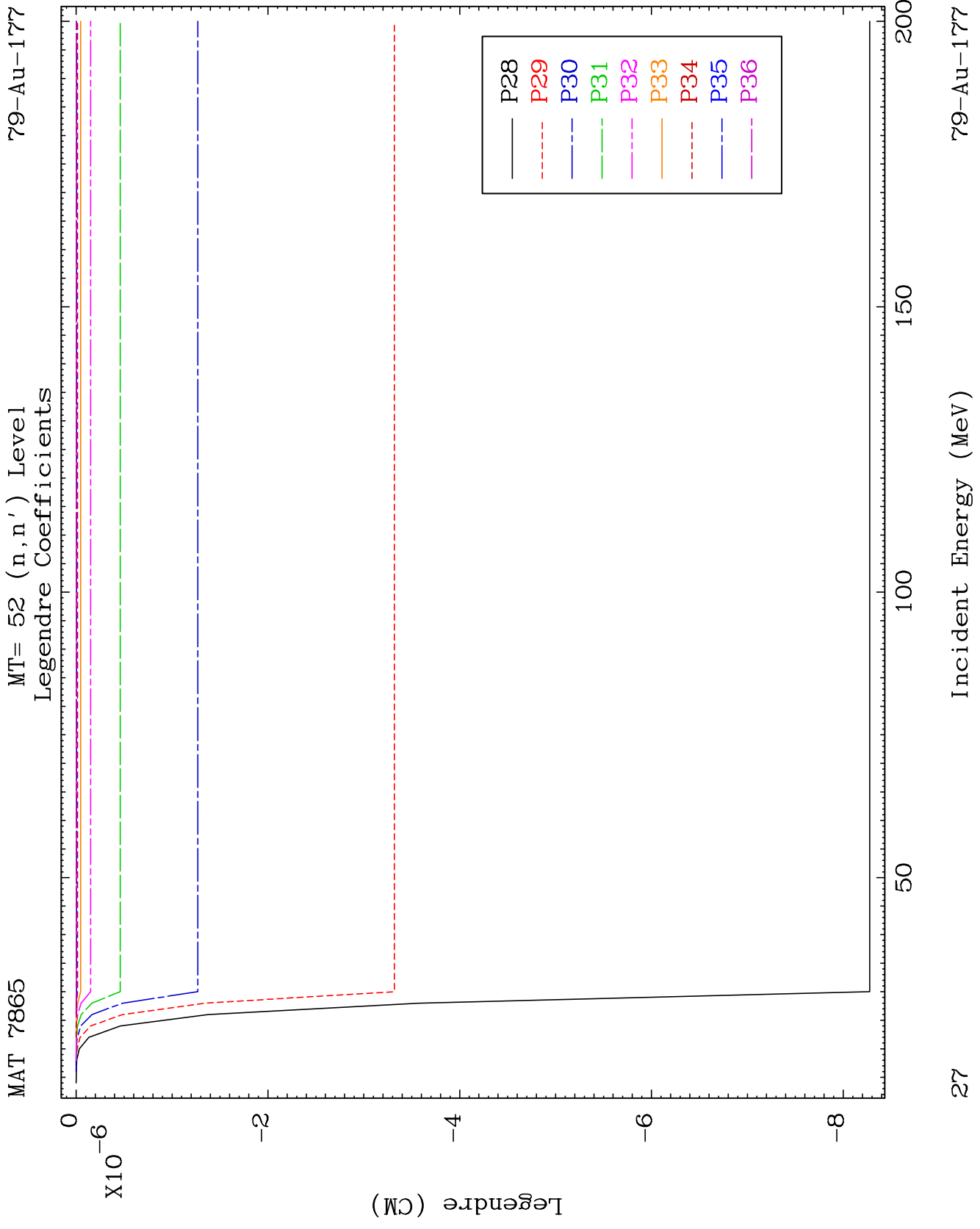
MAT 7865

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

79-Au-177



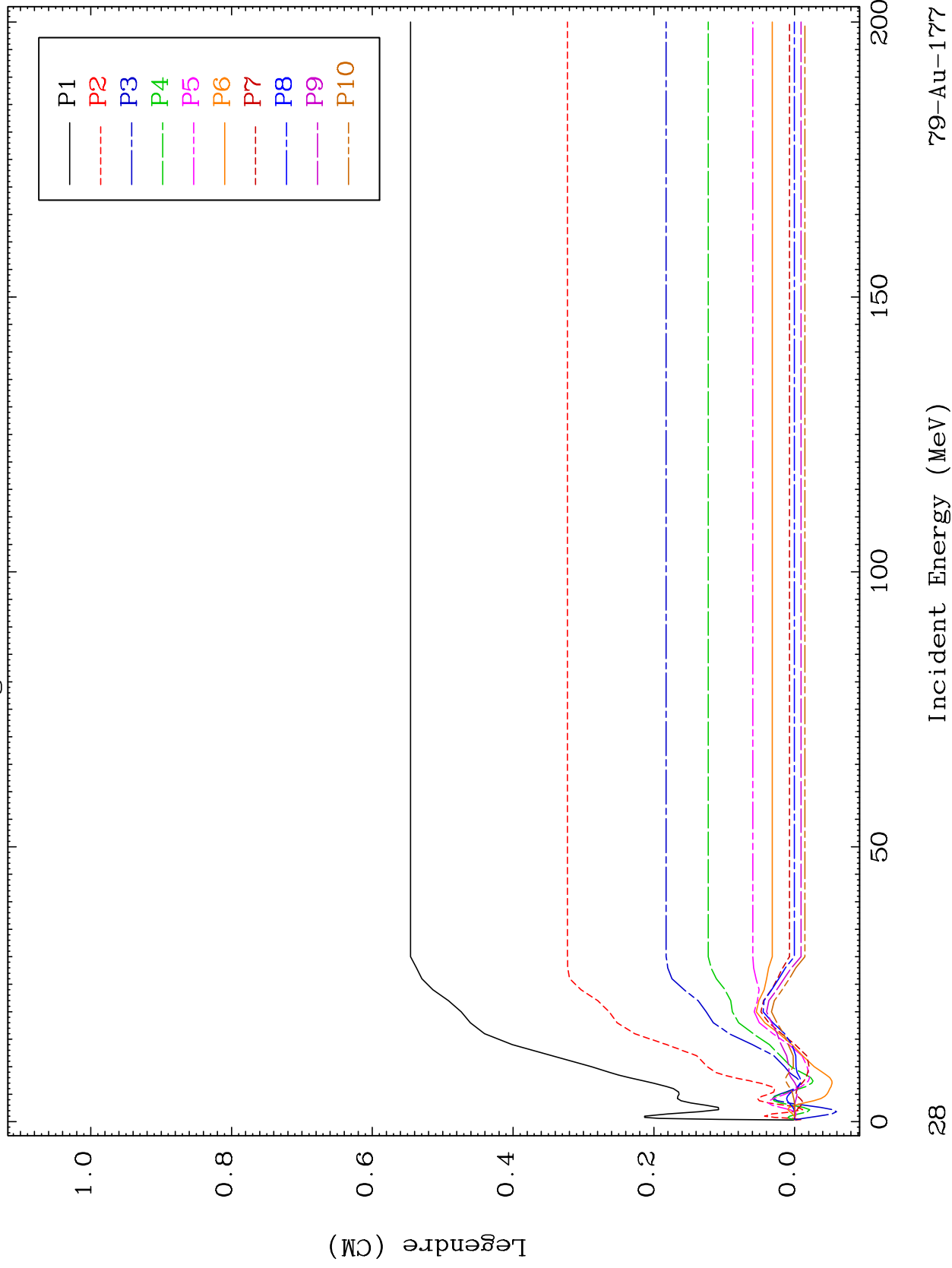




MAT 7865

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

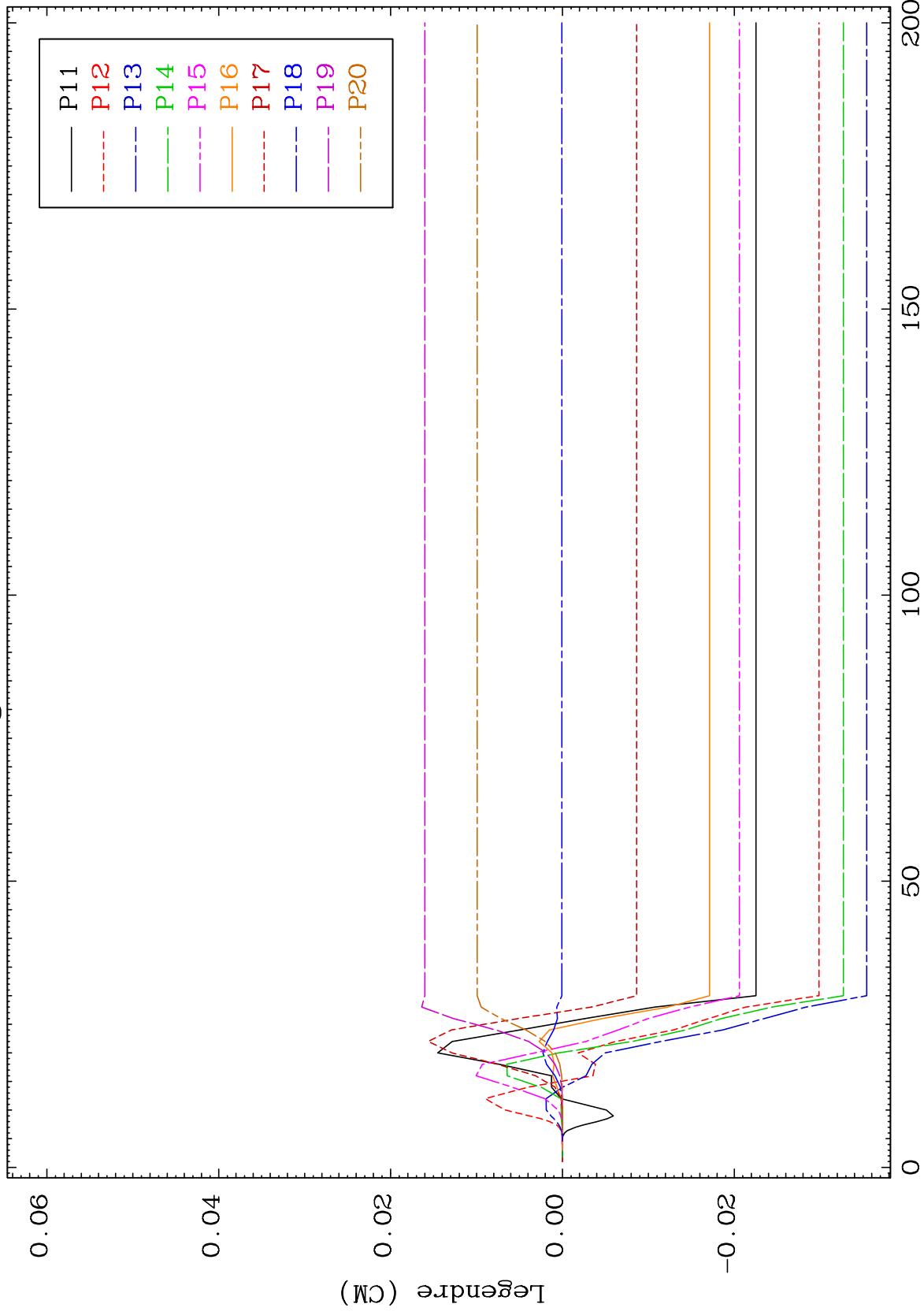
79-Au-177



MAT 7865

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

79-Au-177



29

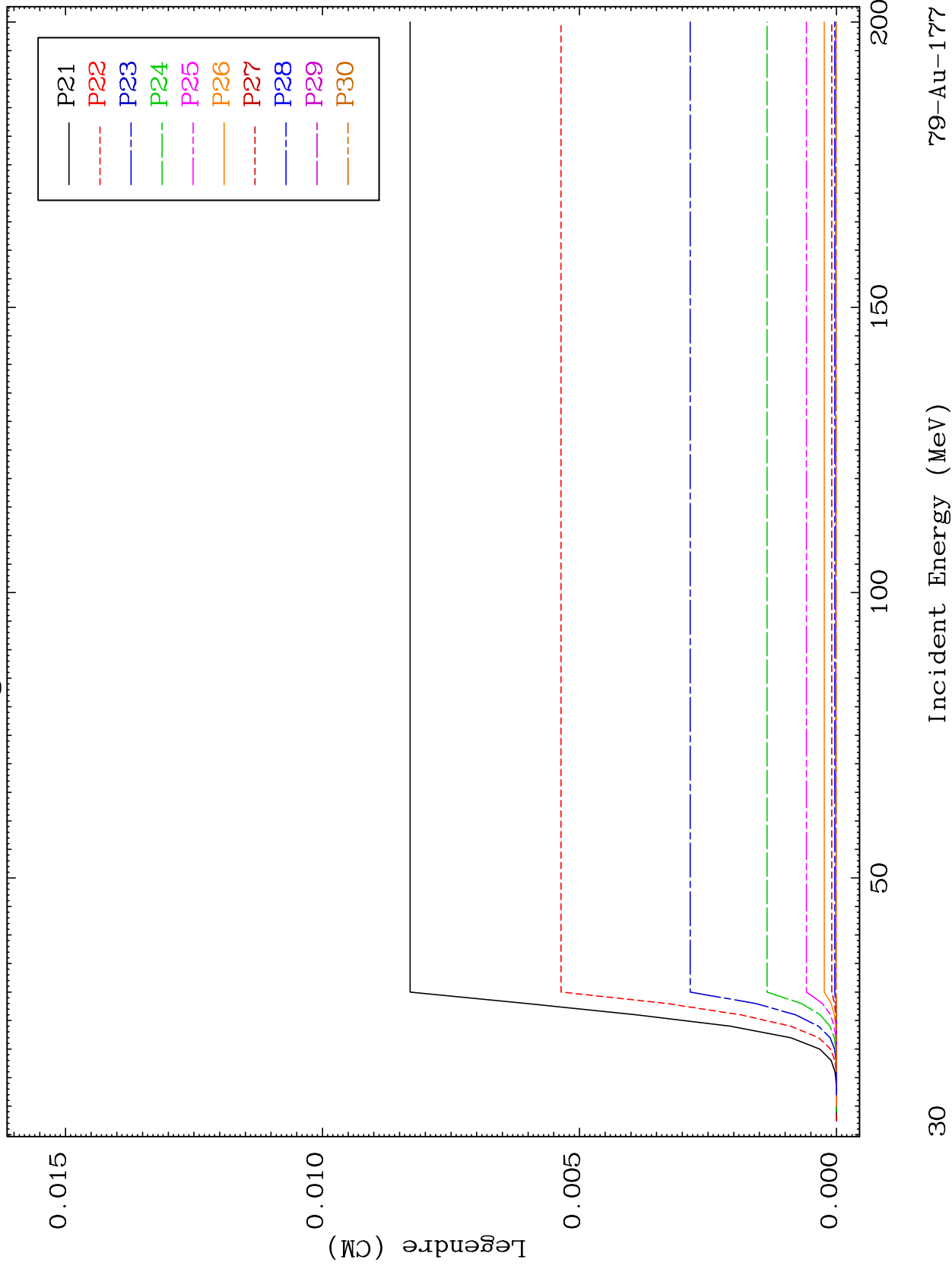
Incident Energy (MeV)

79-Au-177

MAT 7865

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

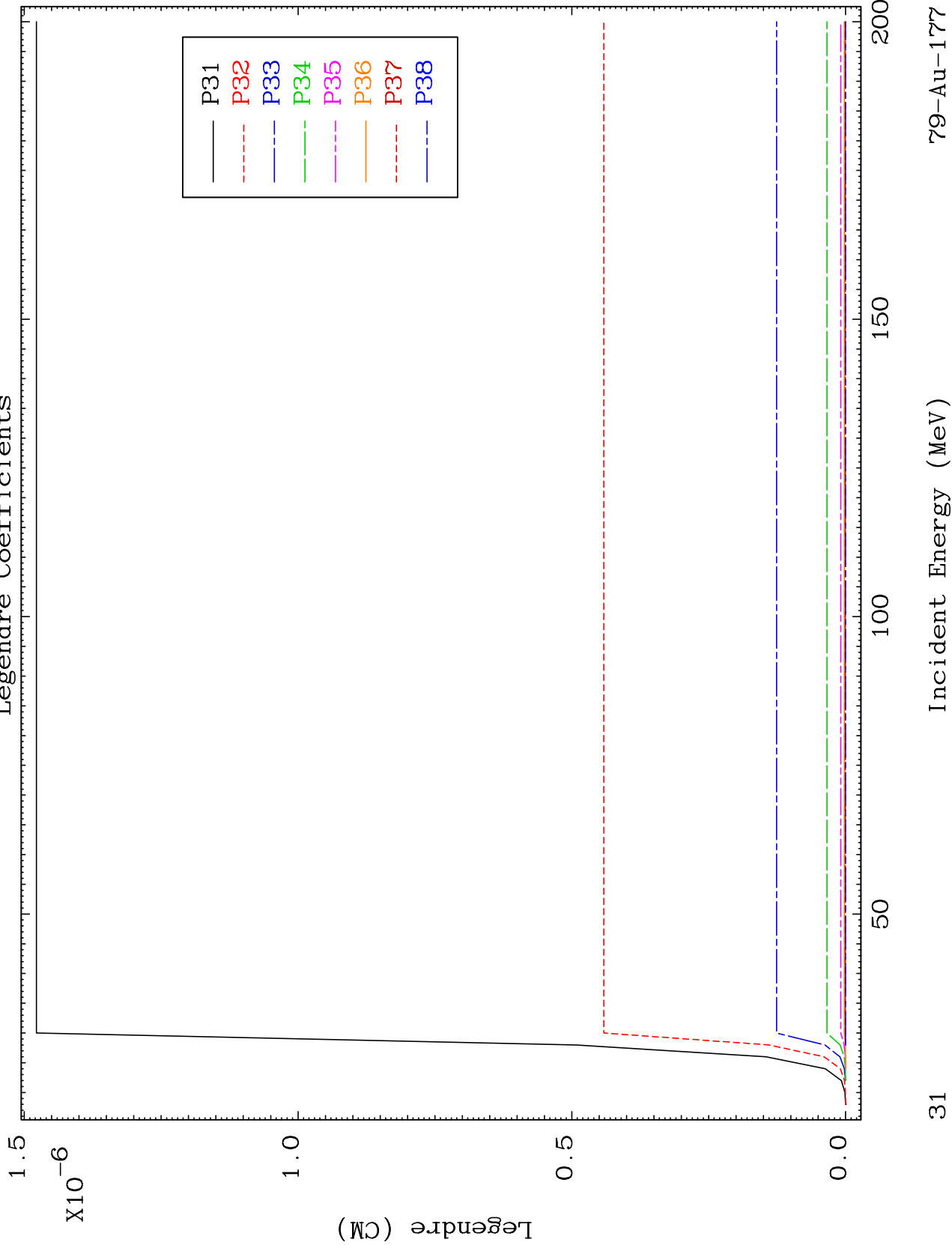
79-Au-177



79-Au-177

Incident Energy (MeV)

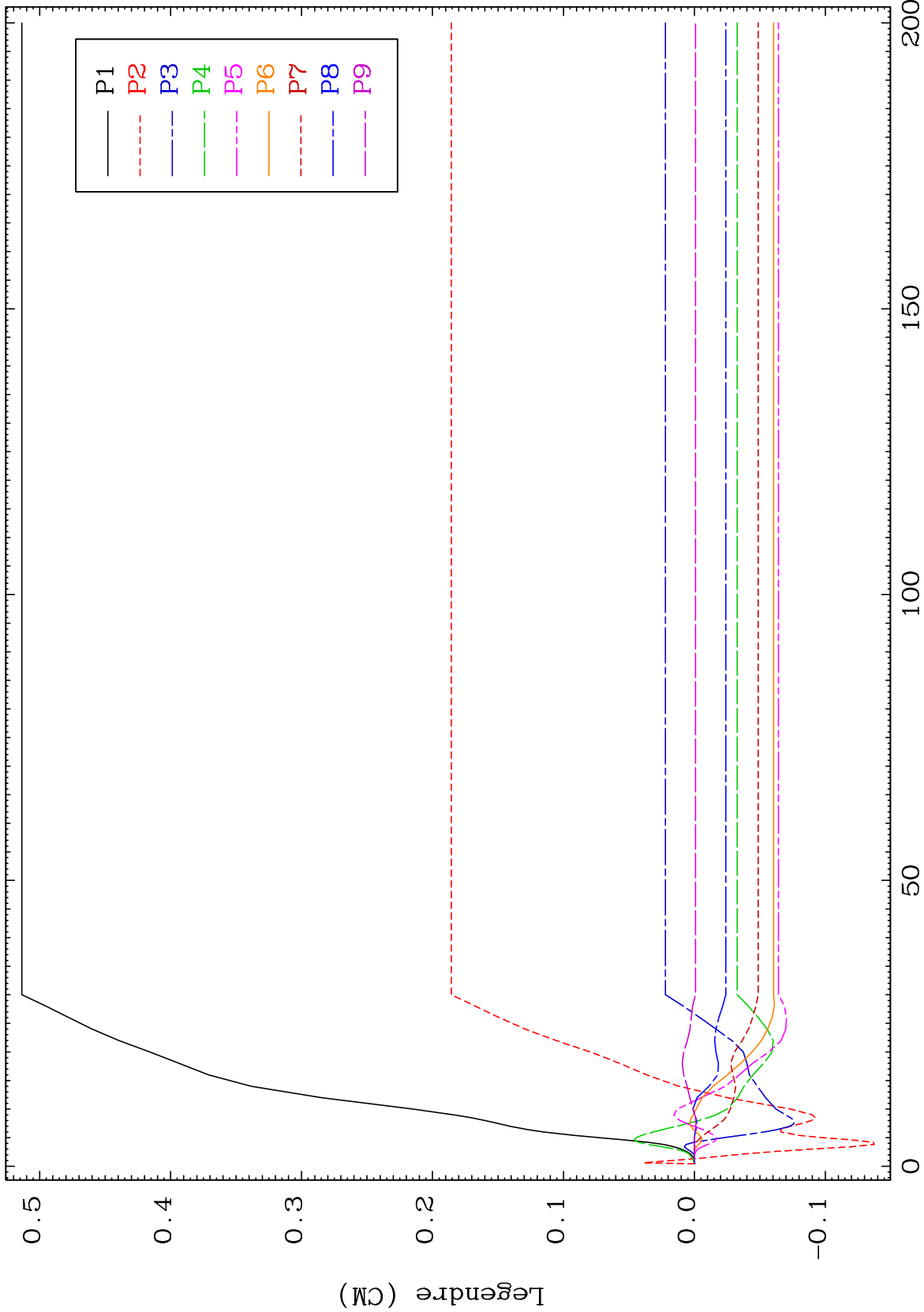
30



MAT 7865

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

79-Au-177



32

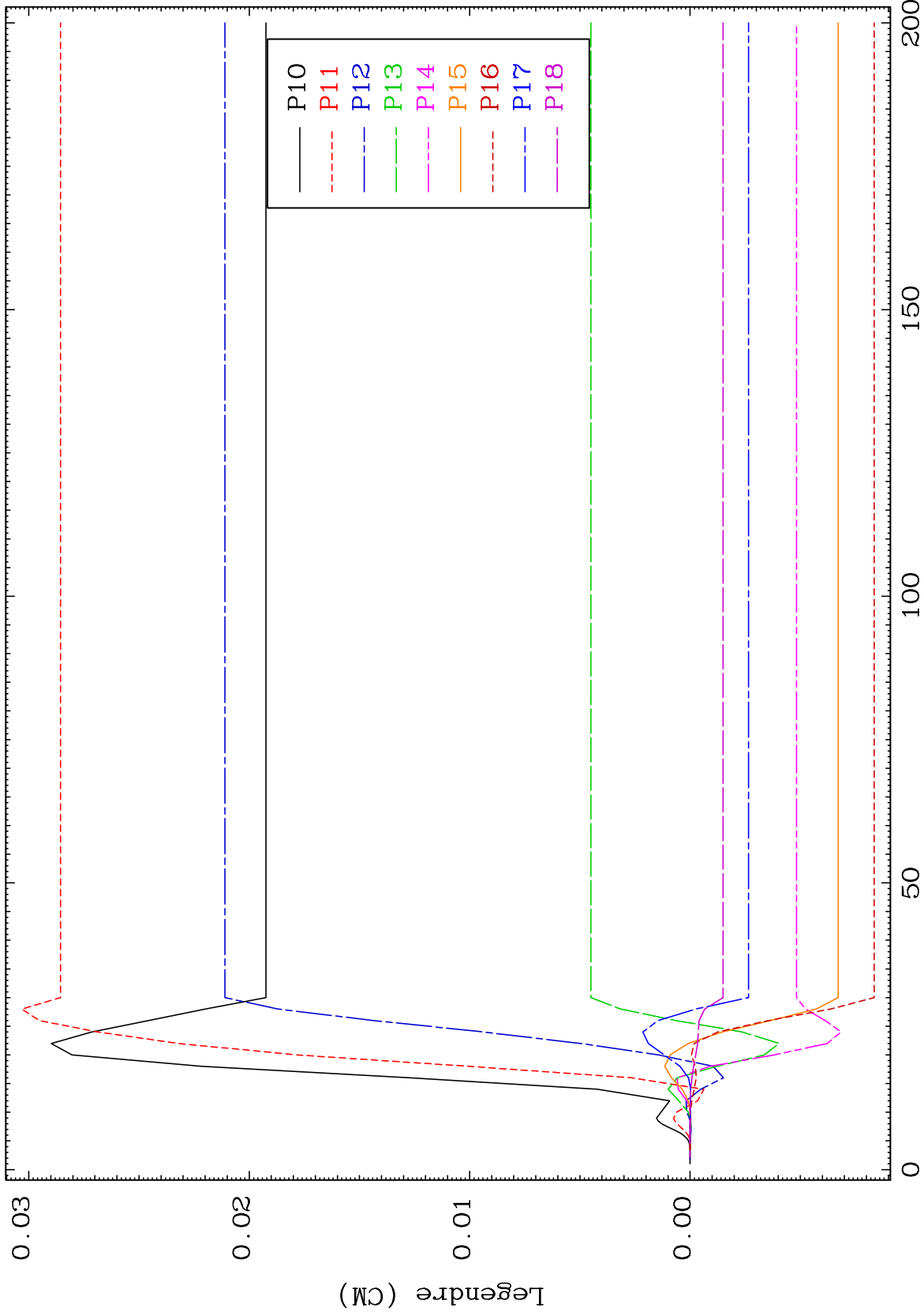
Incident Energy (MeV)

79-Au-177

MAT 7865

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

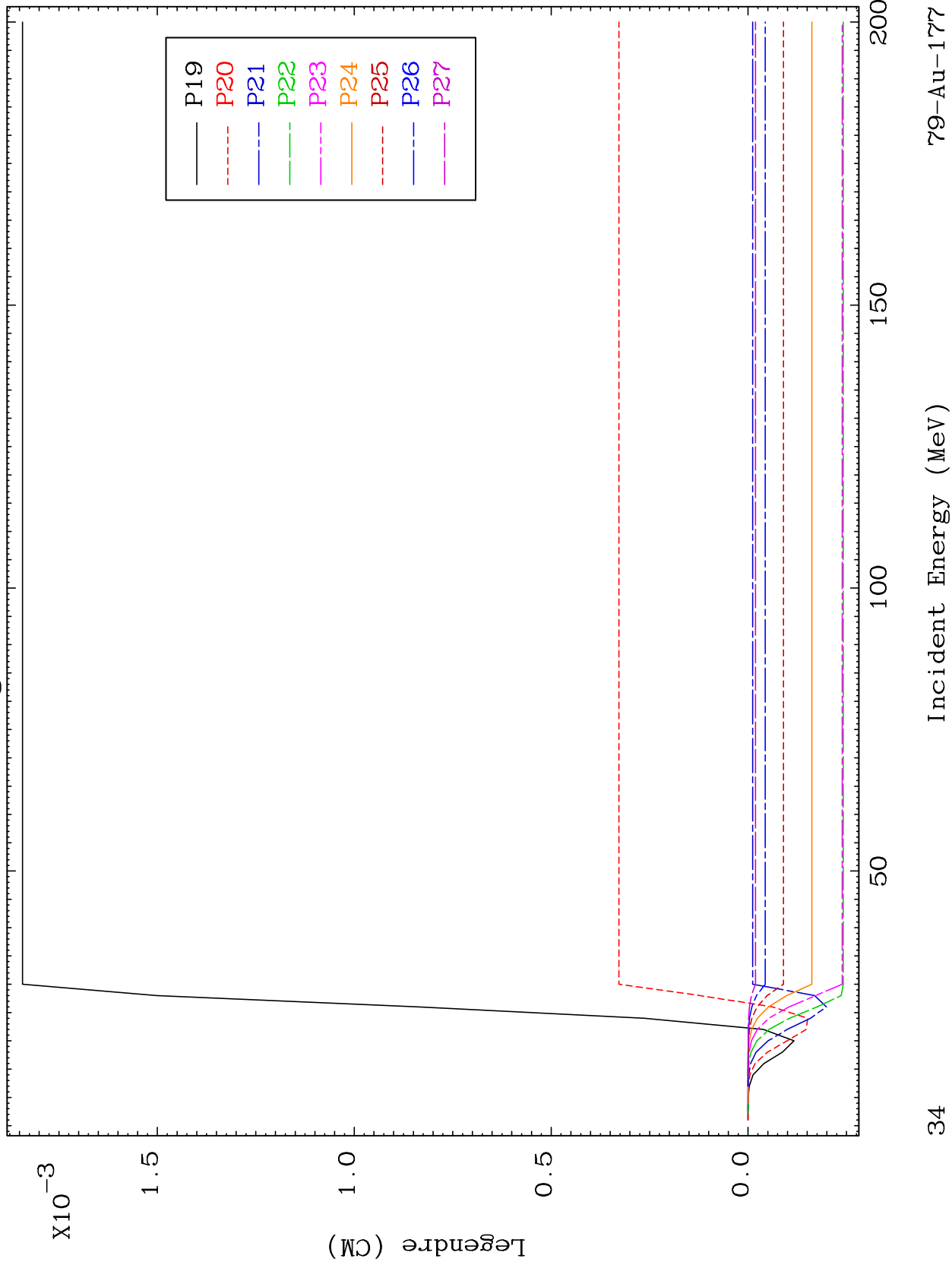
79-Au-177



MAT 7865

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

79-Au-177



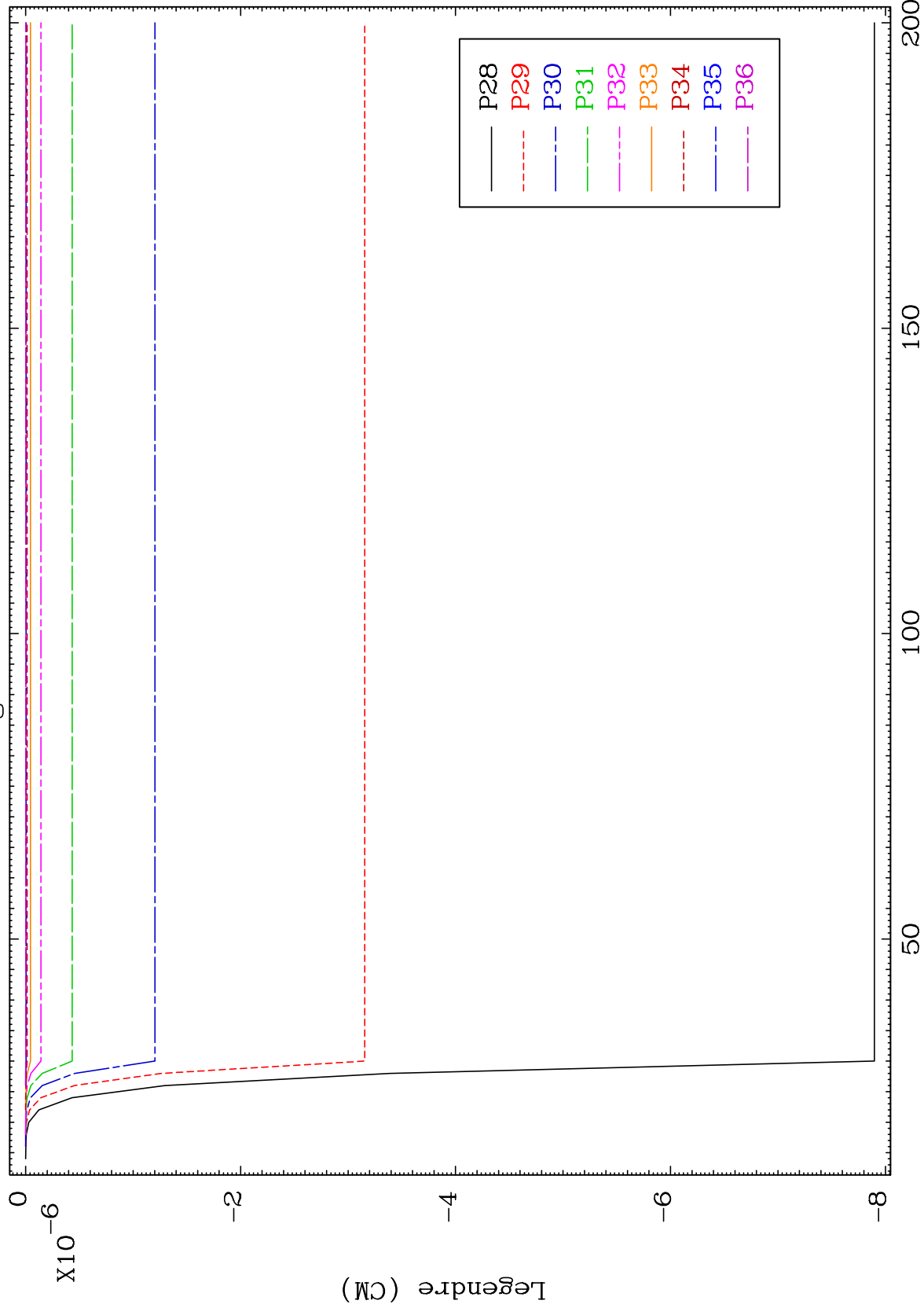
34

79-Au-177

MAT 7865

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

79-Au-177



35

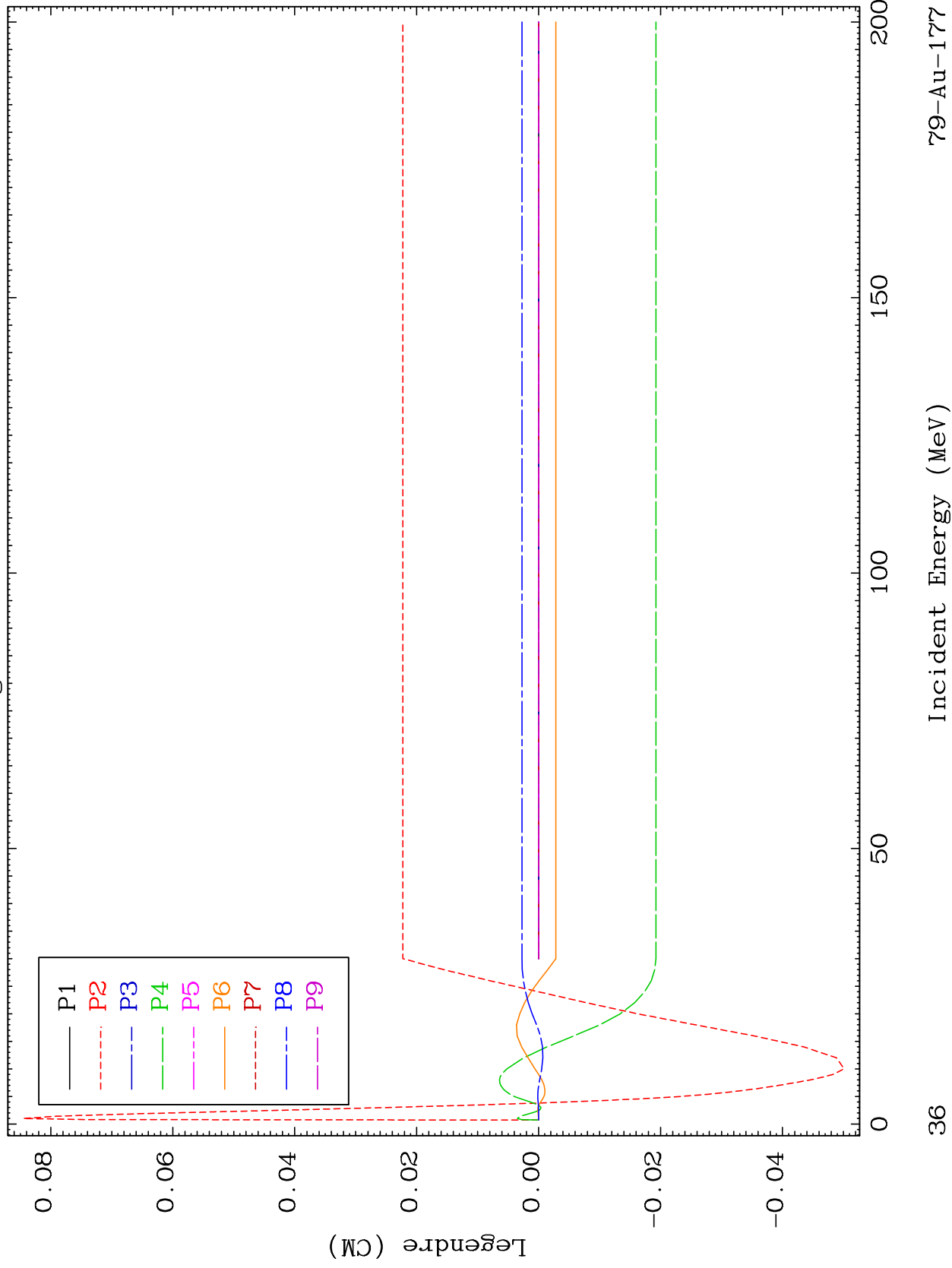
Incident Energy (MeV)

79-Au-177

MAT 7865

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

79-Au-177



79-Au-177

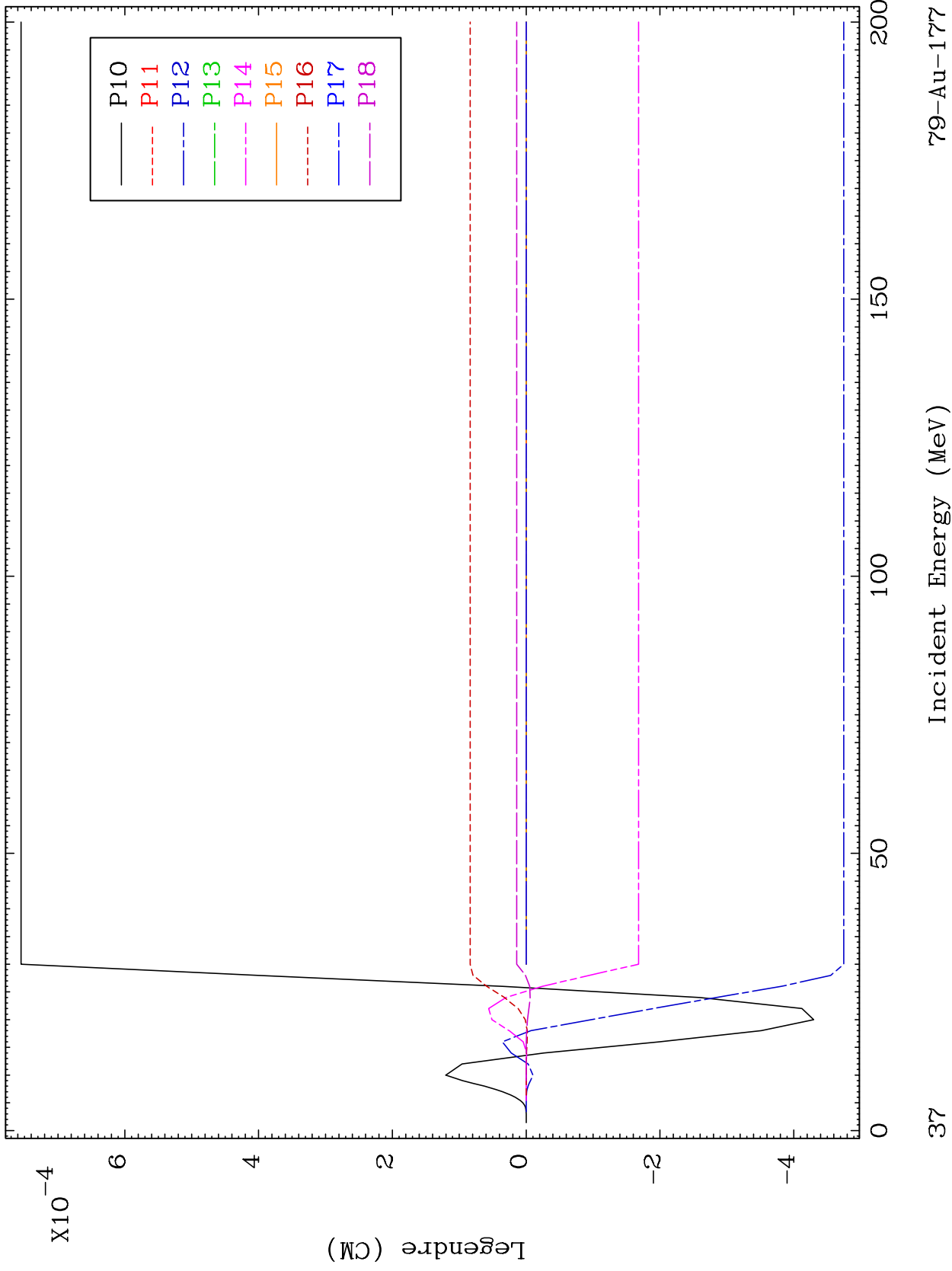
Incident Energy (MeV)

36

MAT 7865

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

79-Au-177



79-Au-177

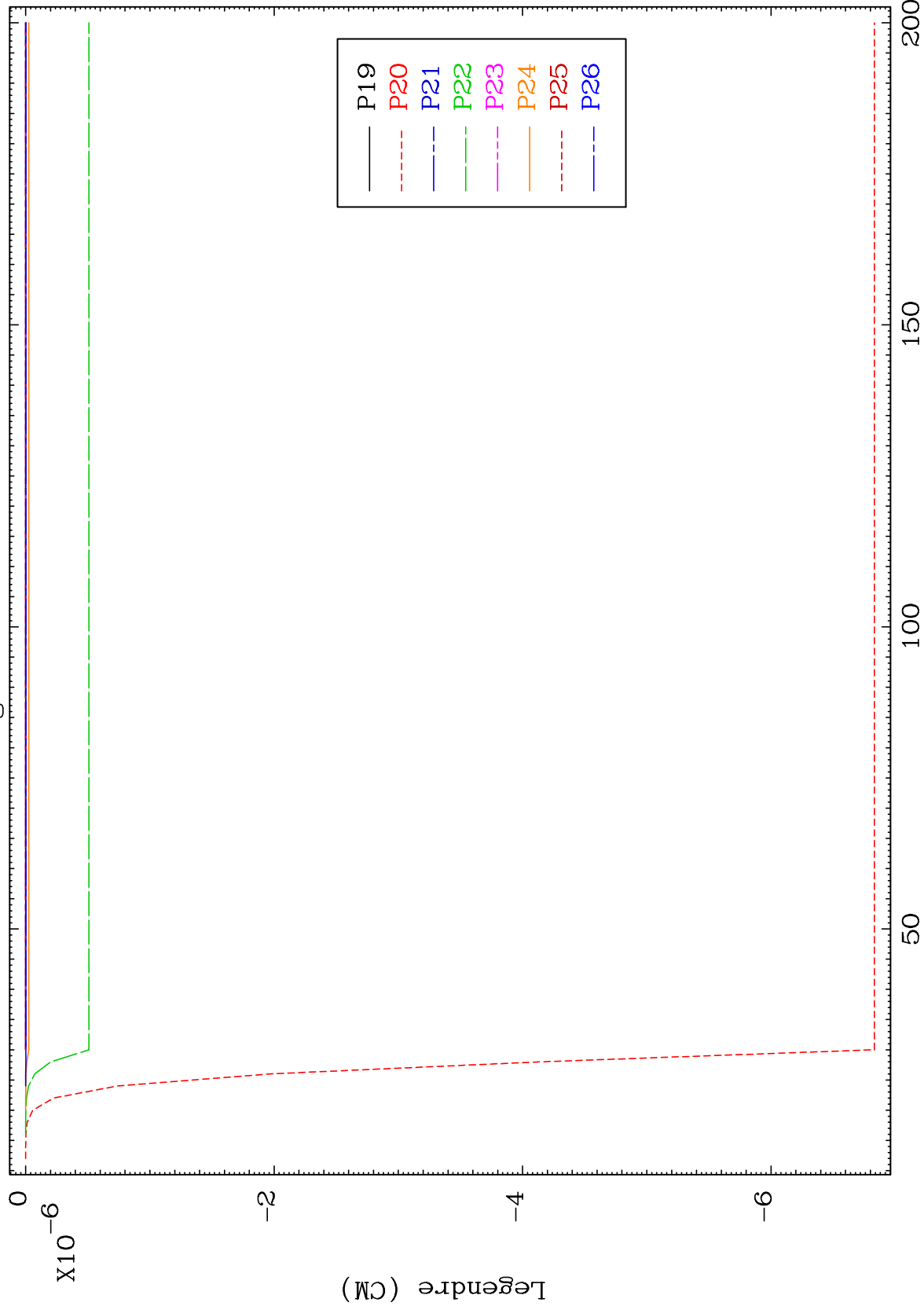
Incident Energy (MeV)

37

MAT 7865

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

79-Au-177



38

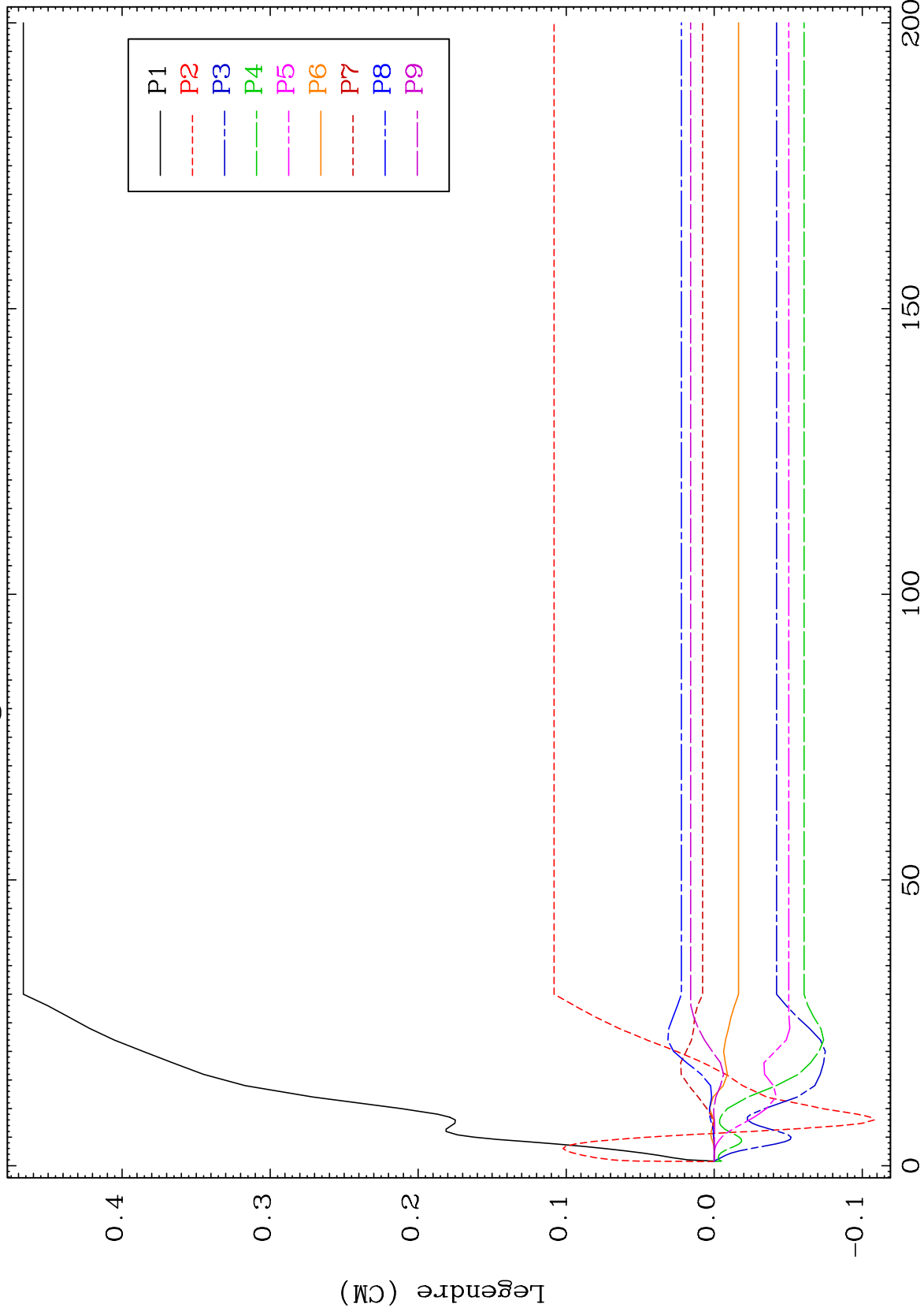
Incident Energy (MeV)

79-Au-177

MAT 7865

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

79-Au-177



39

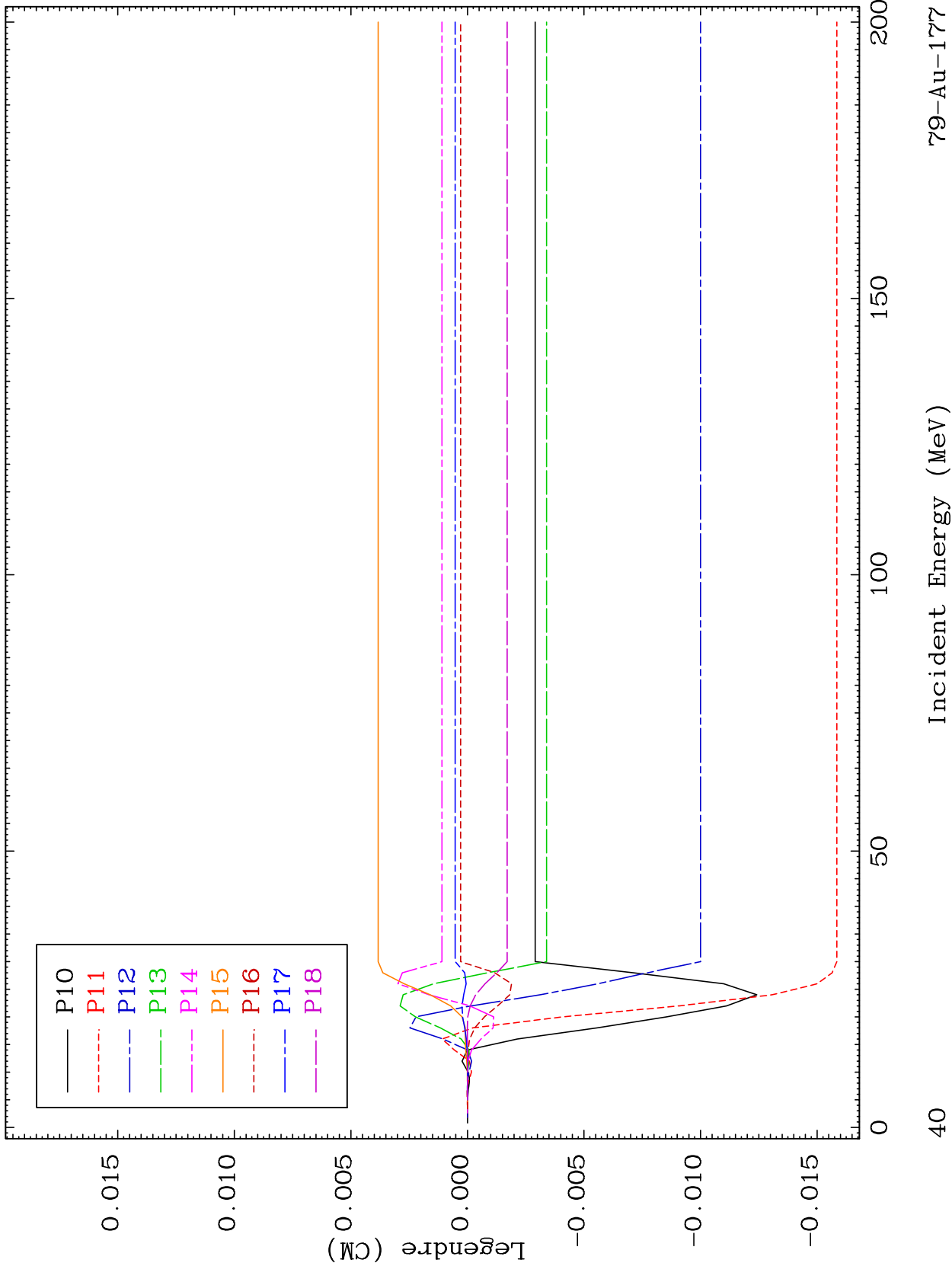
Incident Energy (MeV)

79-Au-177

MAT 7865

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

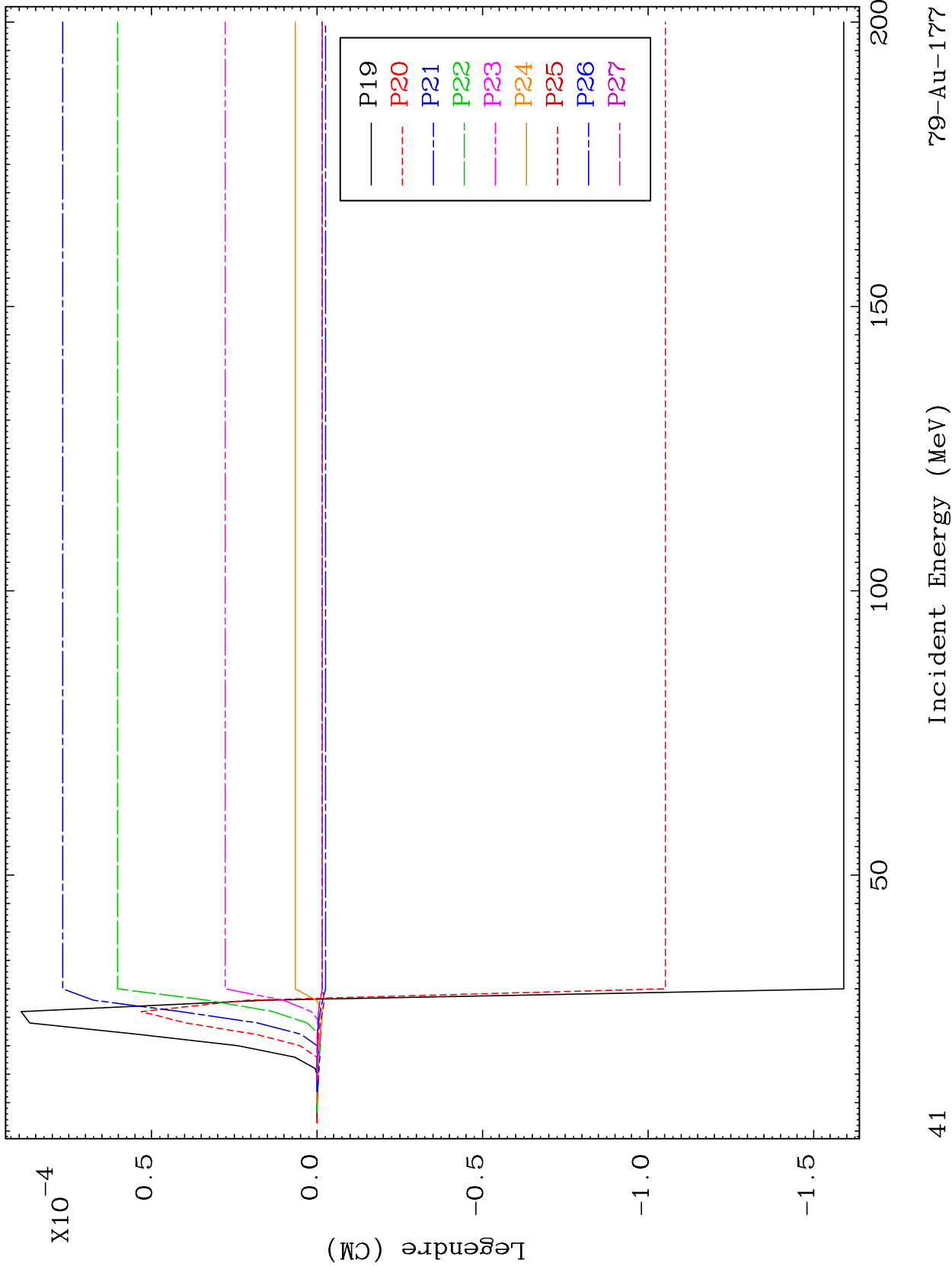
79-Au-177



79-Au-177

Incident Energy (MeV)

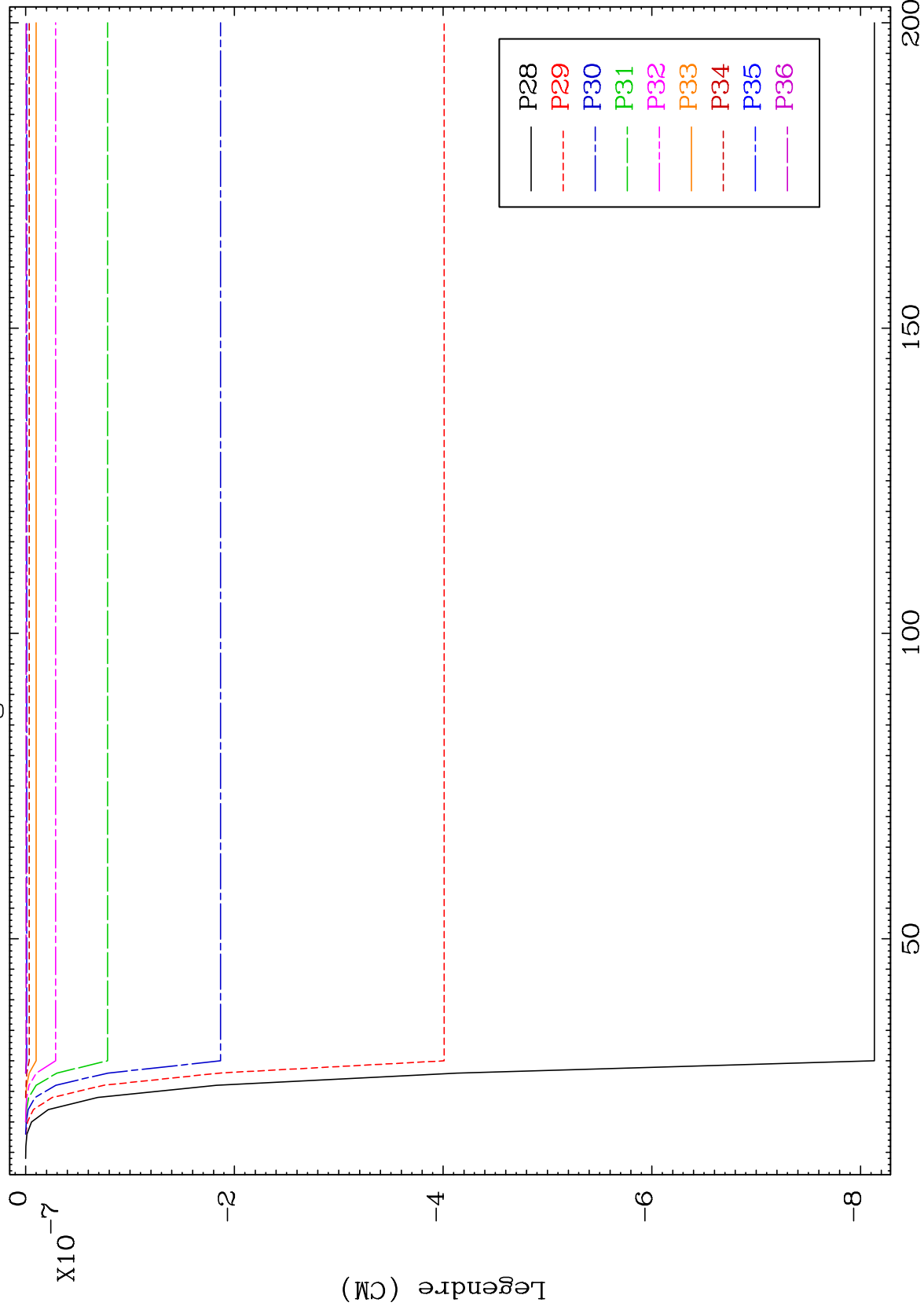
40



MAT 7865

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

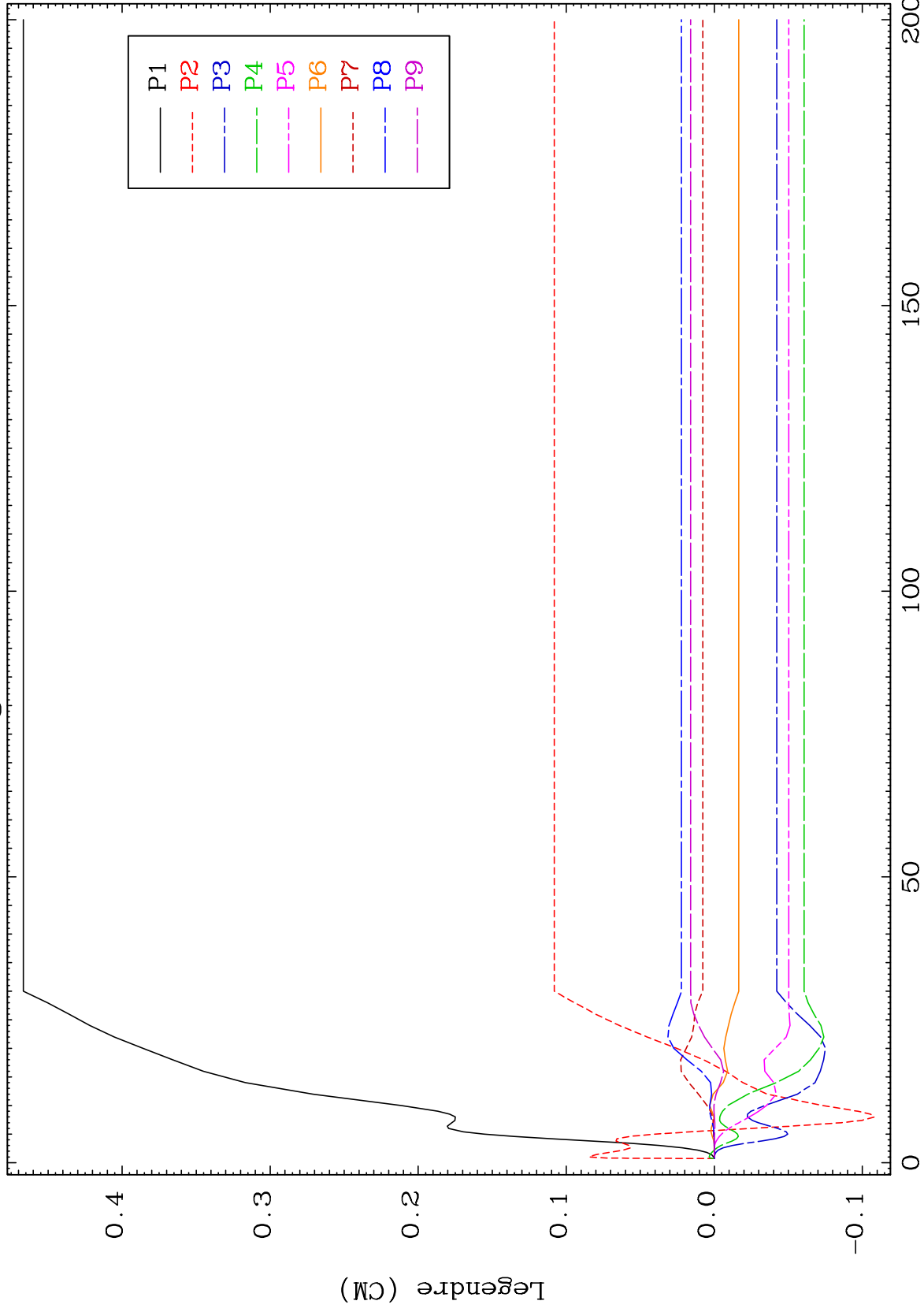
79-Au-177



MAT 7865

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

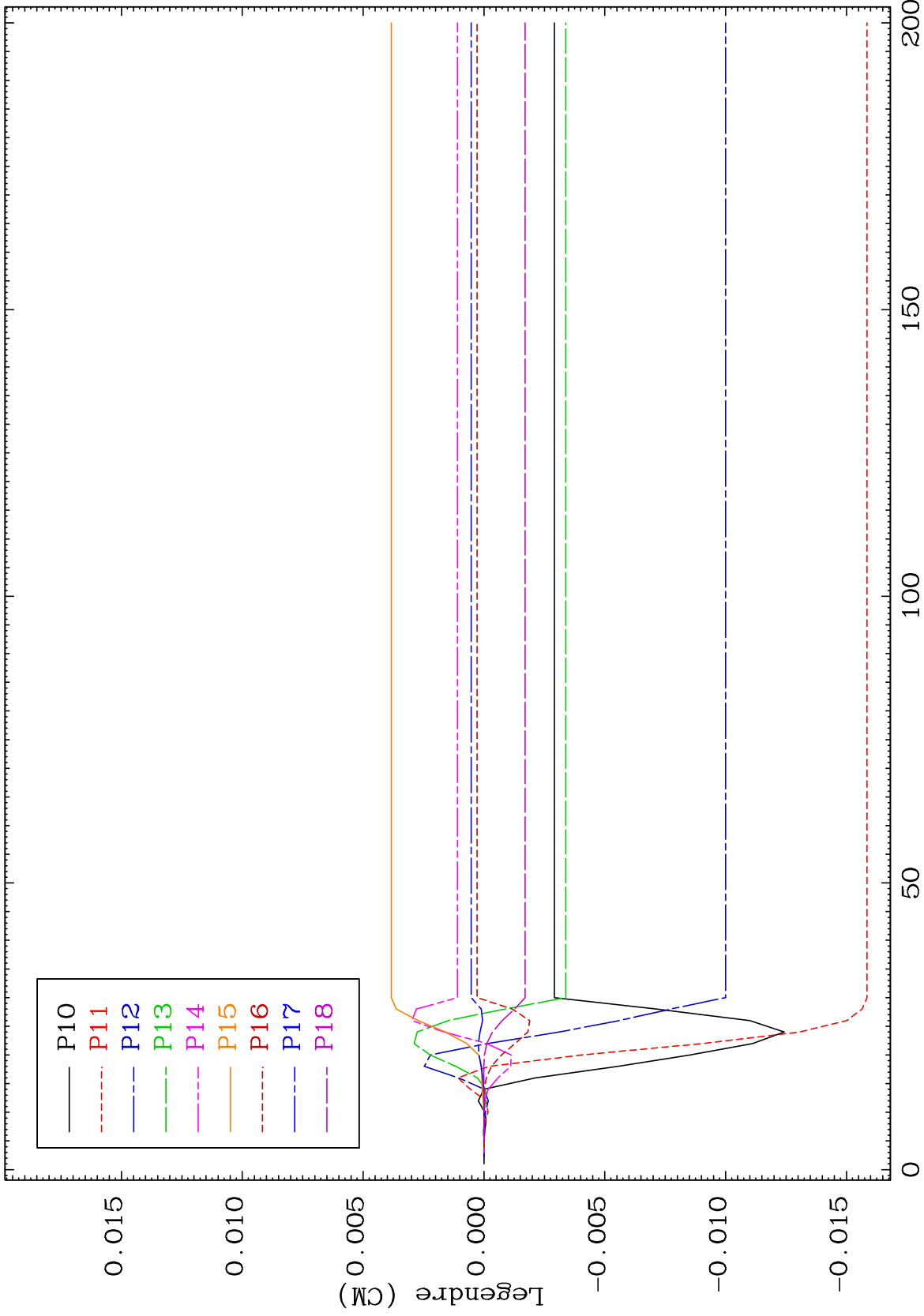
79-Au-177



43

Incident Energy (MeV)

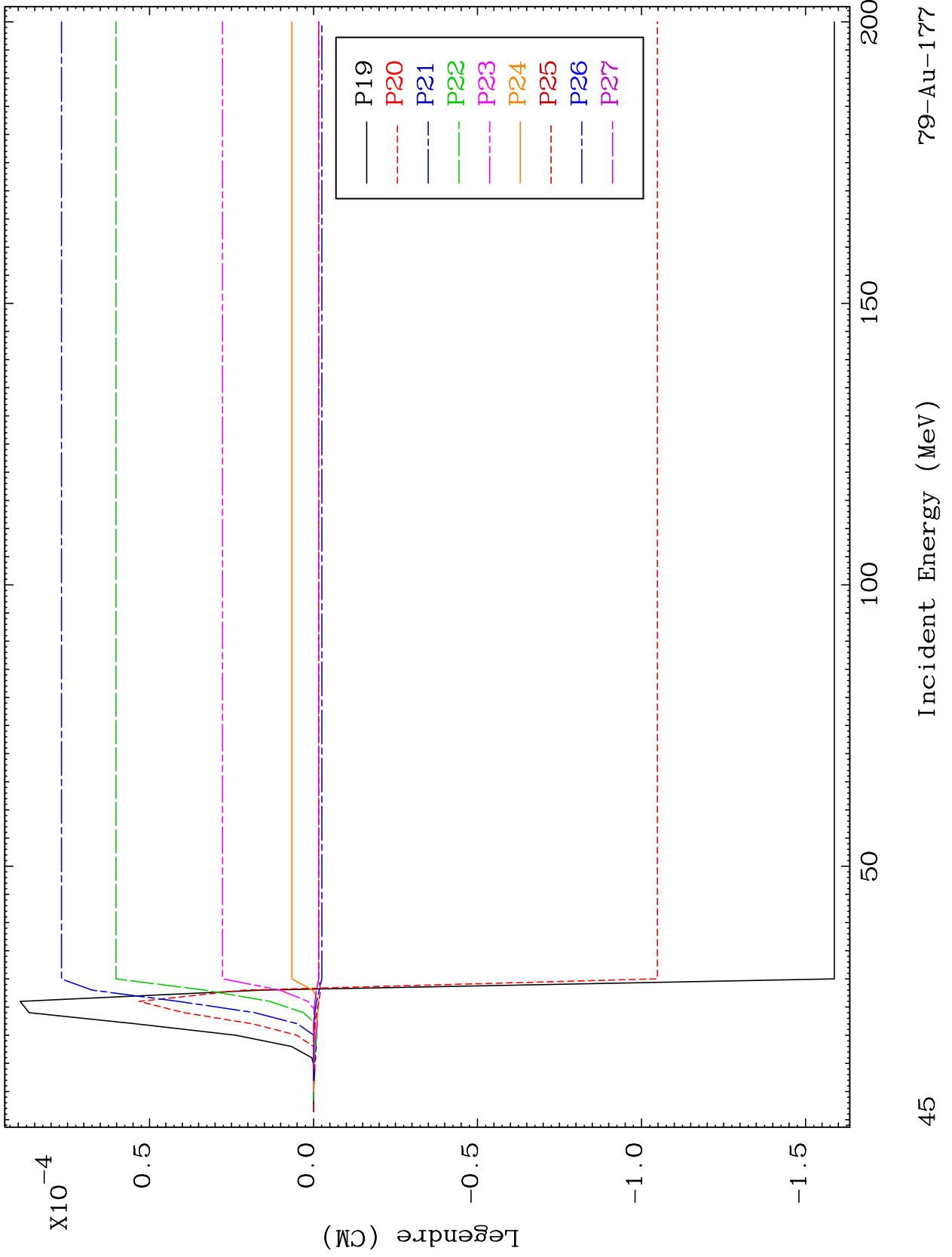
79-Au-177



MAT 7865

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

79-Au-177



45

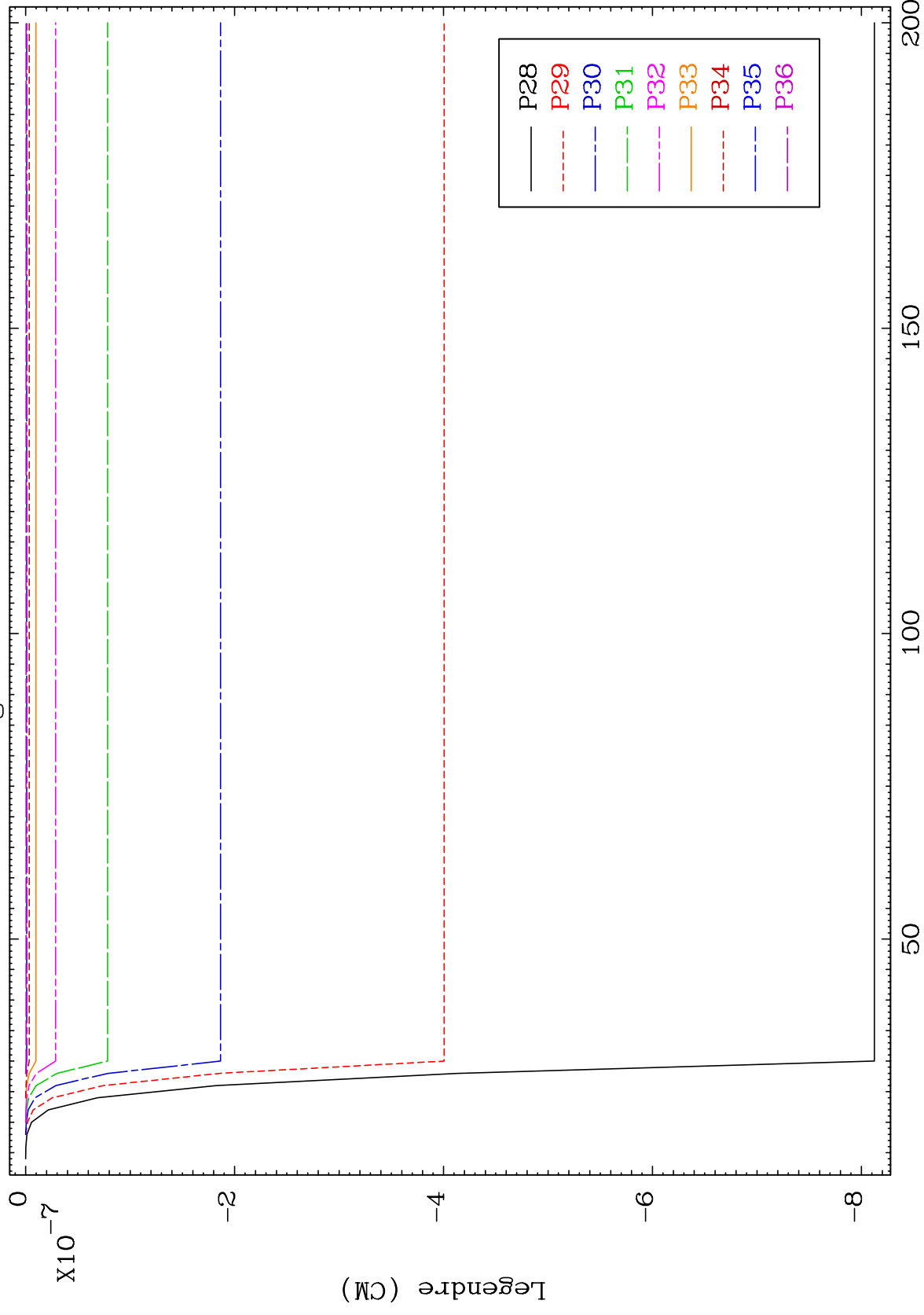
Incident Energy (MeV)

79-Au-177

MAT 7865

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

79-Au-177



46

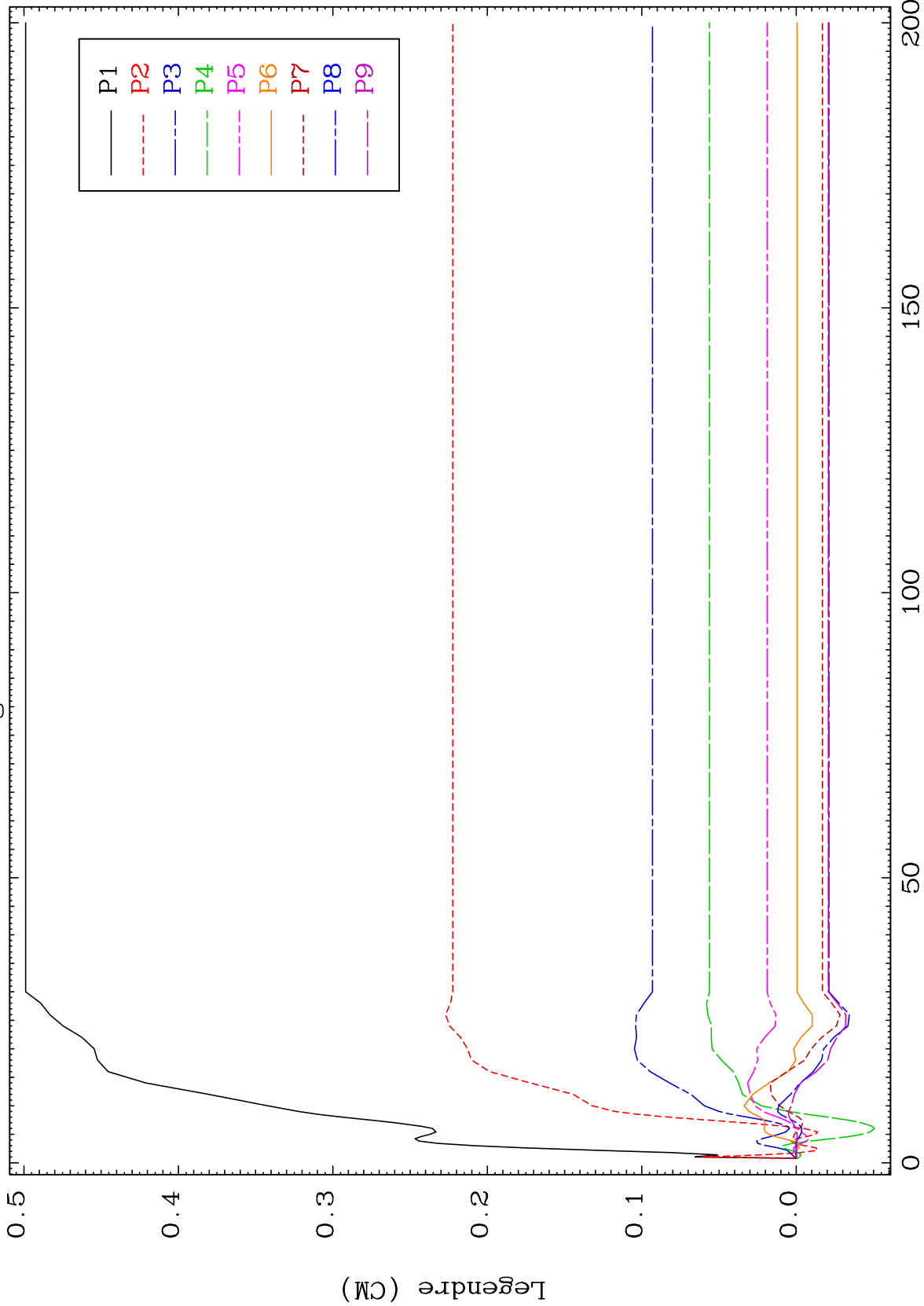
Incident Energy (MeV)

79-Au-177

MAT 7865

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

79-Au-177



79-Au-177

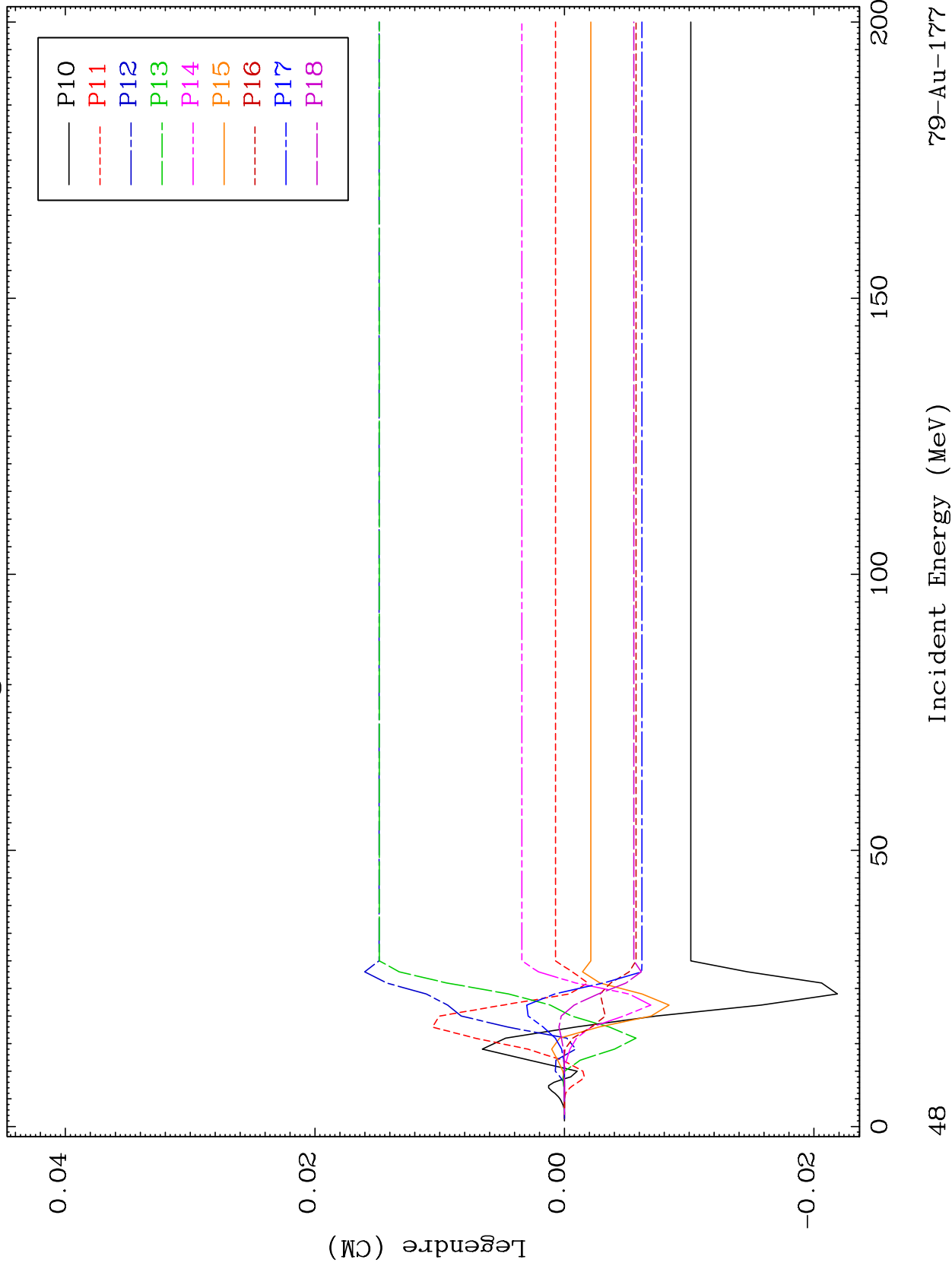
Incident Energy (MeV)

47

MAT 7865

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

79-Au-177



79-Au-177

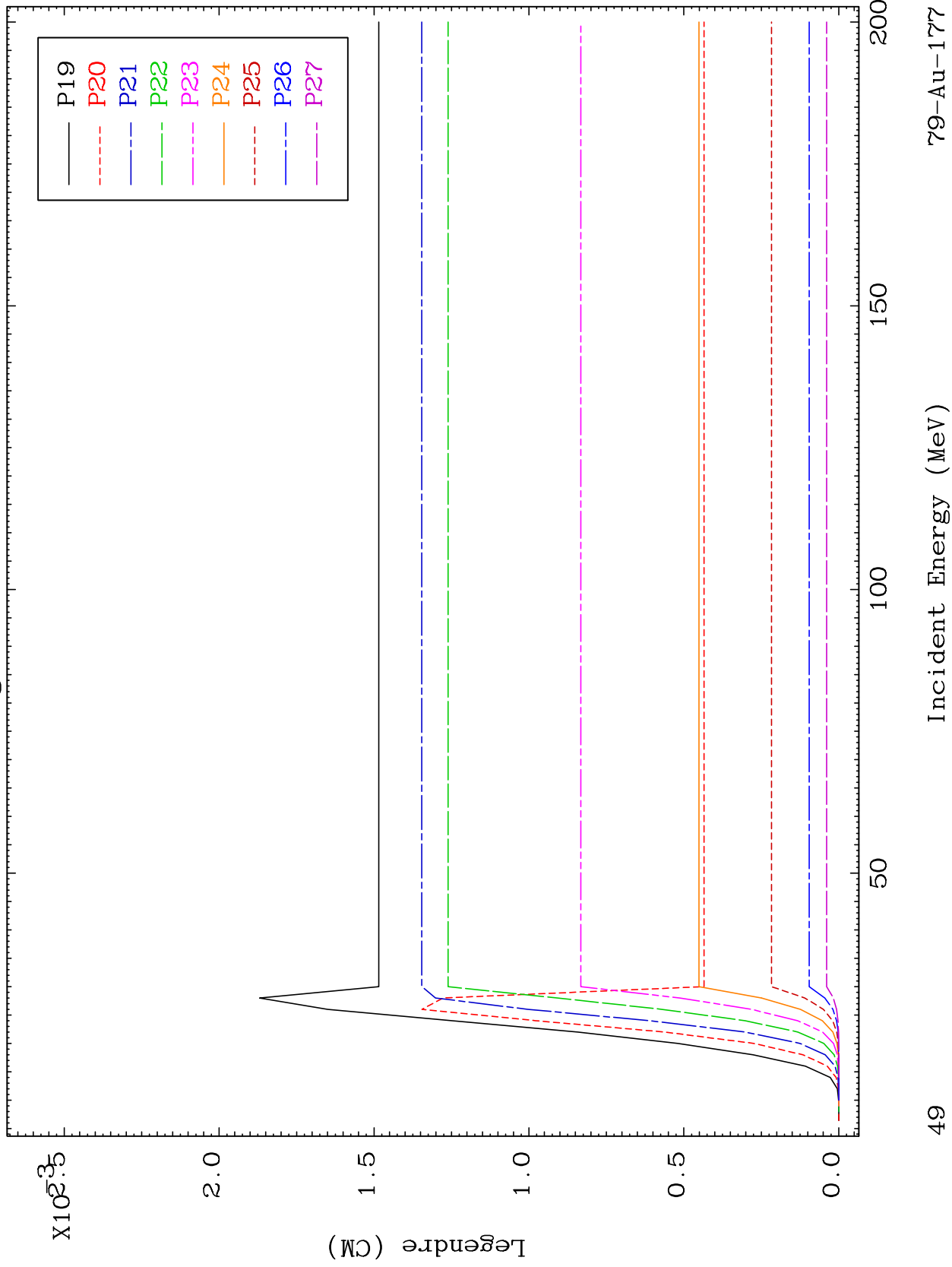
Incident Energy (MeV)

48

MAT 7865

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

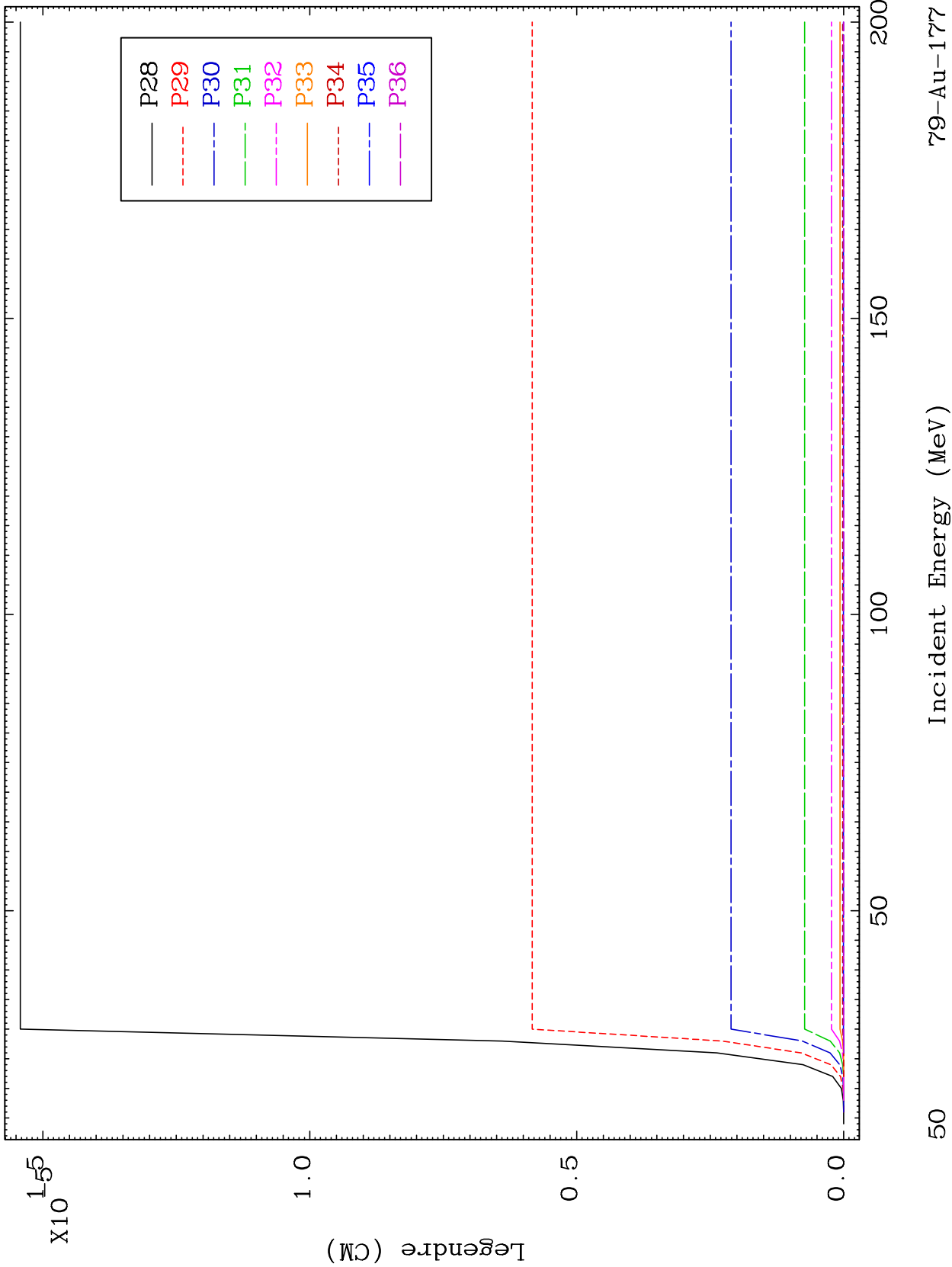
79-Au-177



MAT 7865

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

79-Au-177



79-Au-177

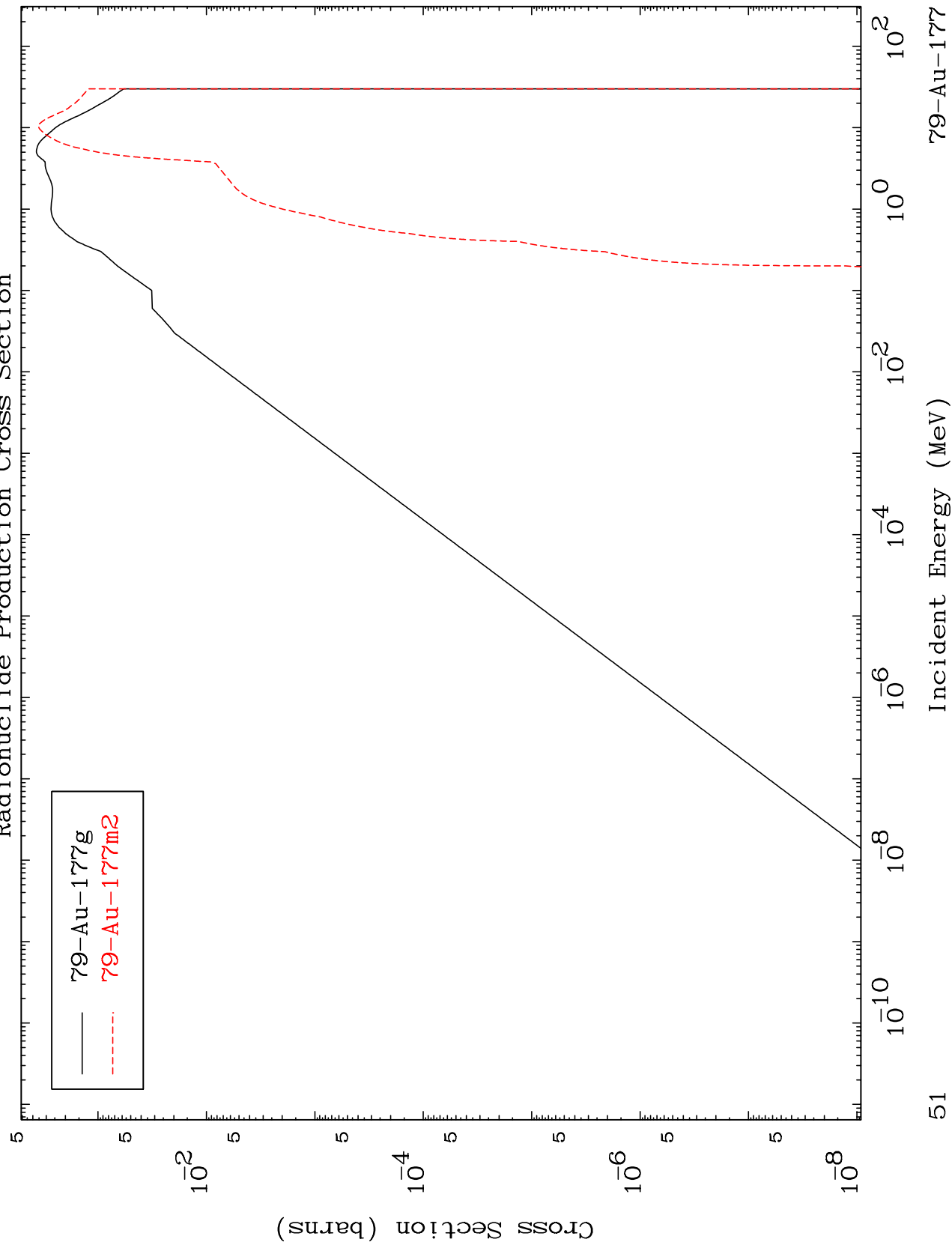
Incident Energy (MeV)

50

MAT 7865

⁷⁹Au-177

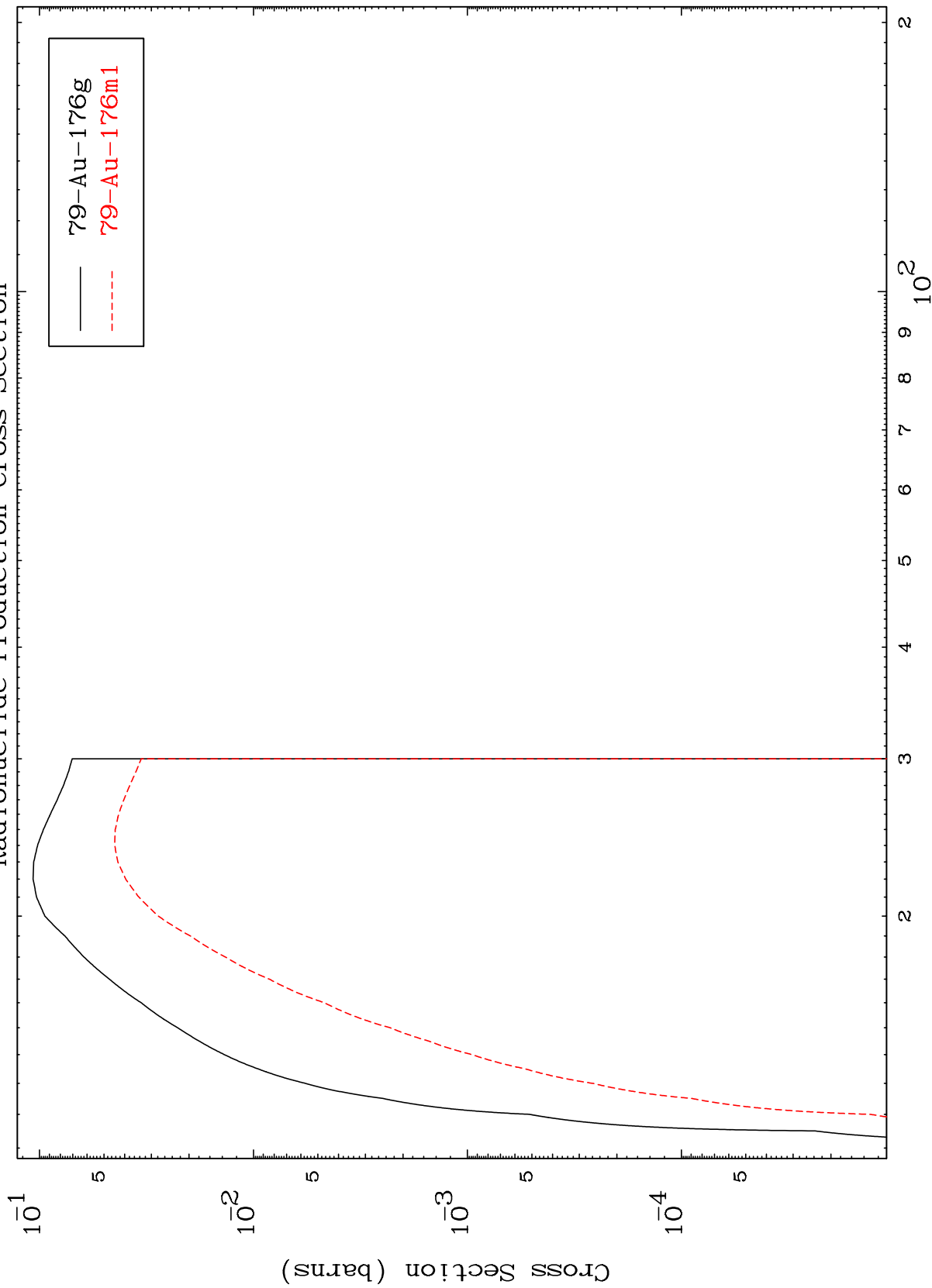
Inelastic
Radionuclide Production Cross Section



MAT 7865

79-Au-177

(n,2n)
Radionuclide Production Cross Section



79-Au-176g
79-Au-176m1

Incident Energy (MeV)

79-Au-177

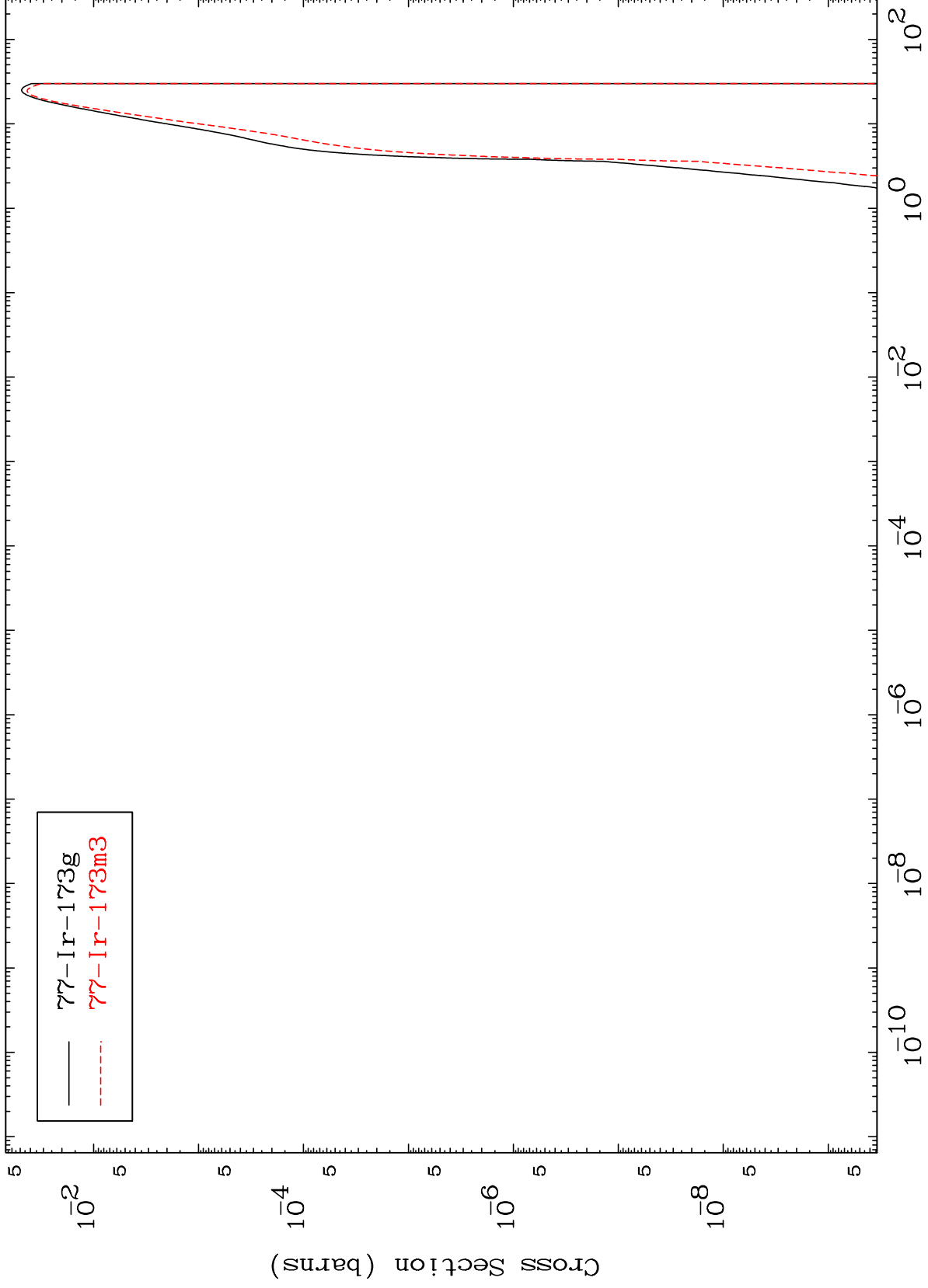
52

MAT 7865

$(n, n') \alpha$

$^{79}\text{Au-177}$

Radionuclide Production Cross Section



53

Incident Energy (MeV)

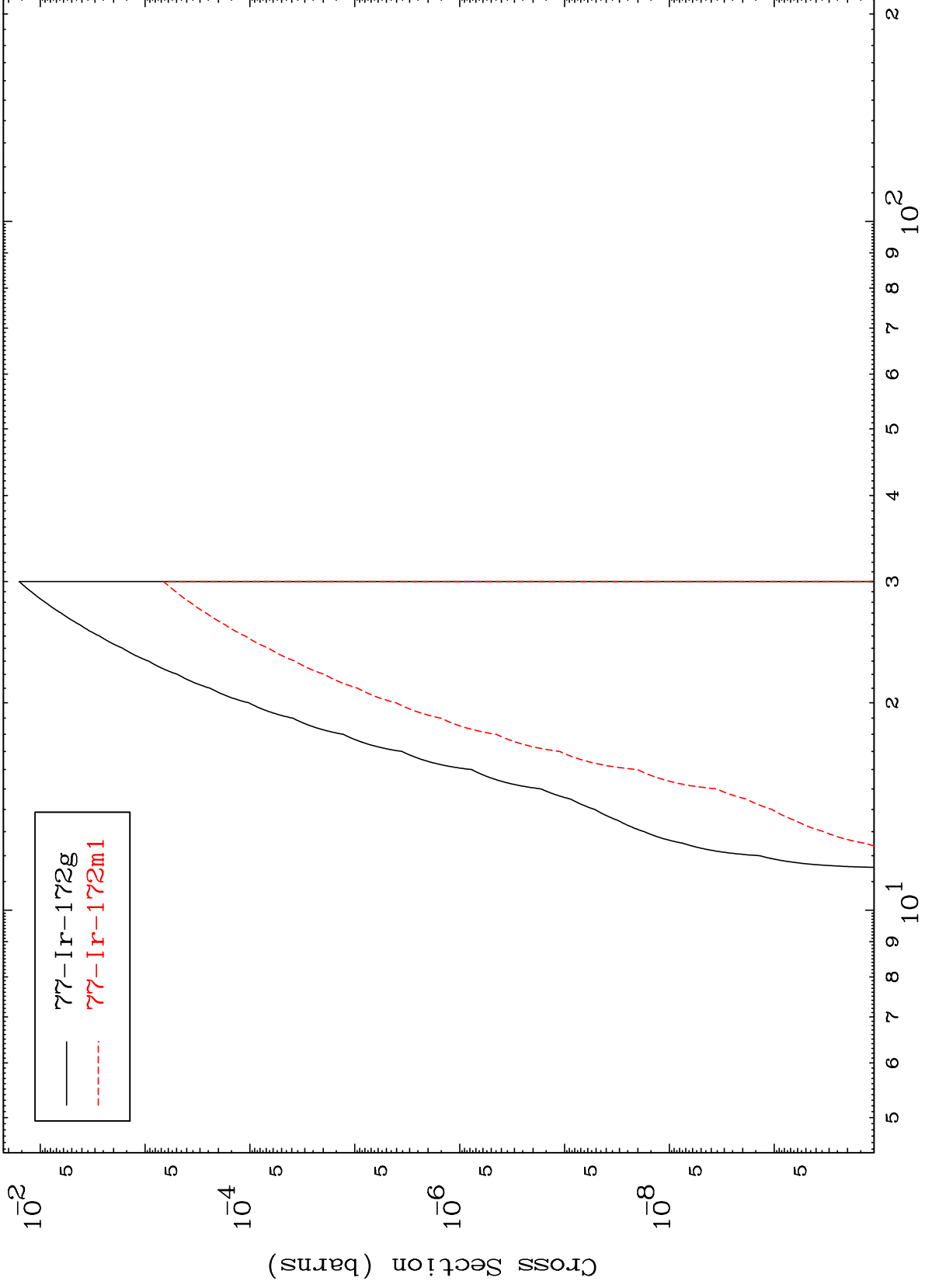
$^{79}\text{Au-177}$

MAT 7865

$(n, 2n)$ α

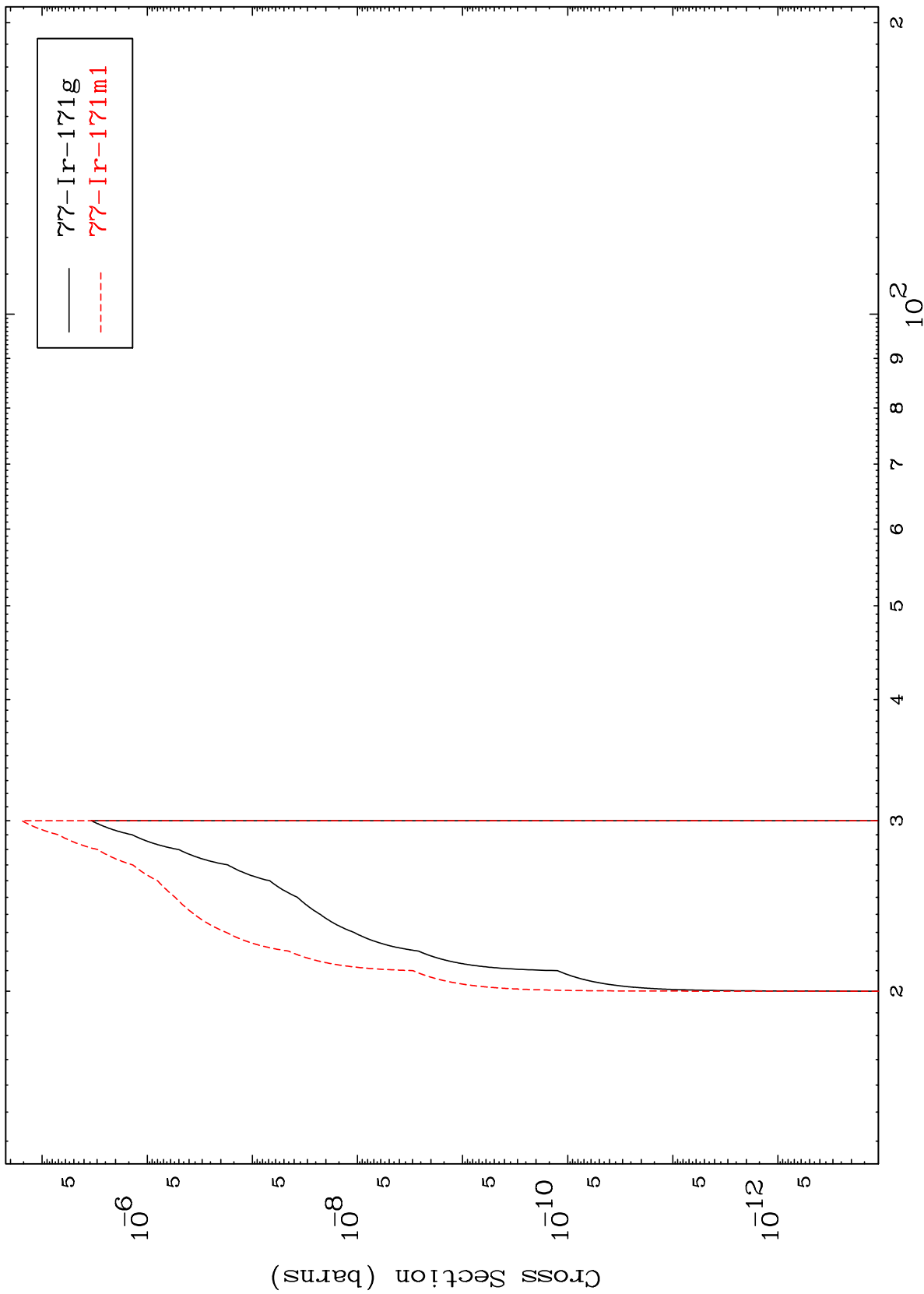
$^{79}\text{Au-177}$

Radionuclide Production Cross Section



Legend:
— $^{77}\text{Ir-172g}$
- - - $^{77}\text{Ir-172m1}$

Radionuclide Production Cross Section

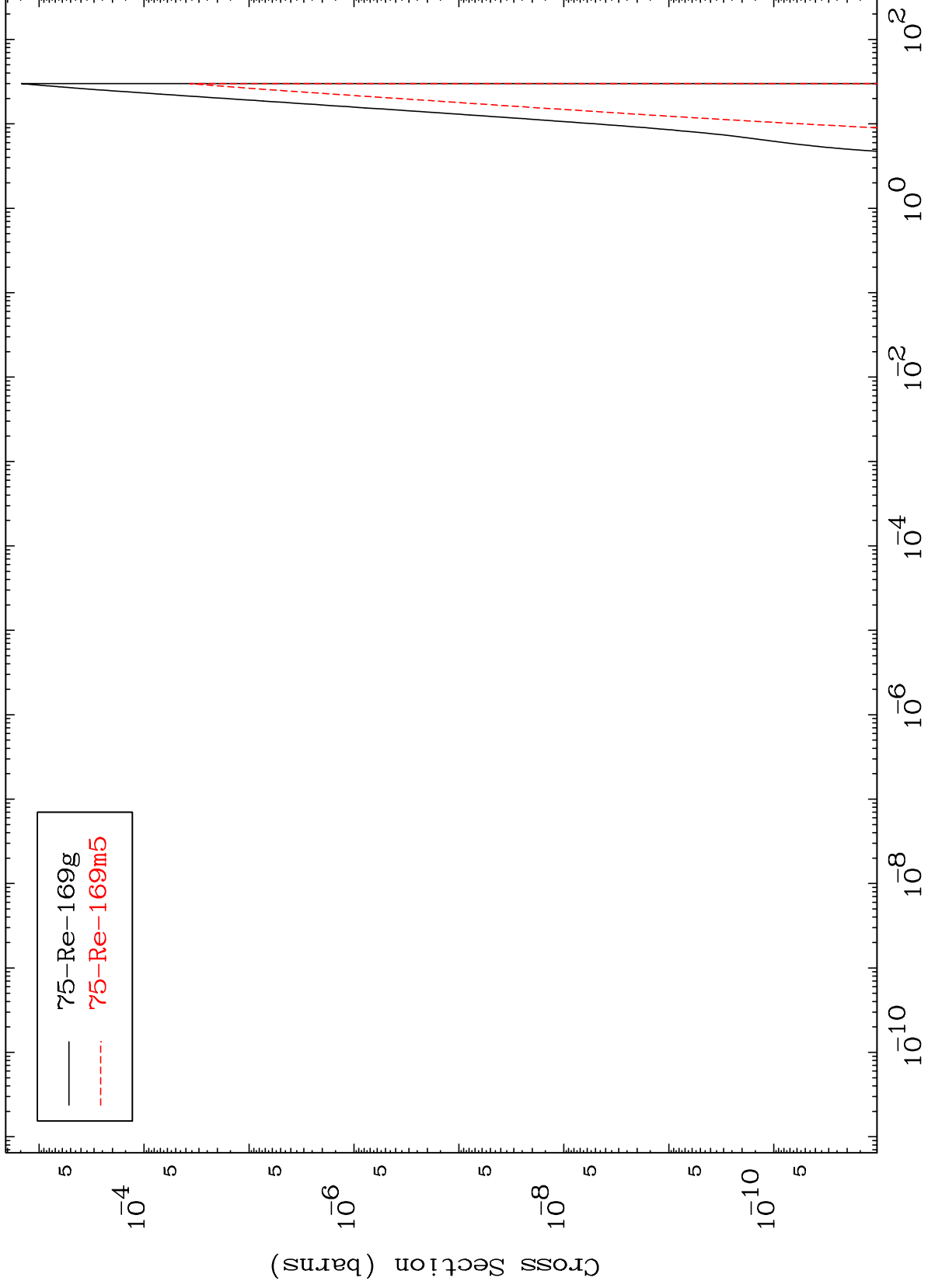


MAT 7865

(n,n') 2α

79-Au-177

Radionuclide Production Cross Section



75-Re-169g
75-Re-169m5

56

Incident Energy (MeV)

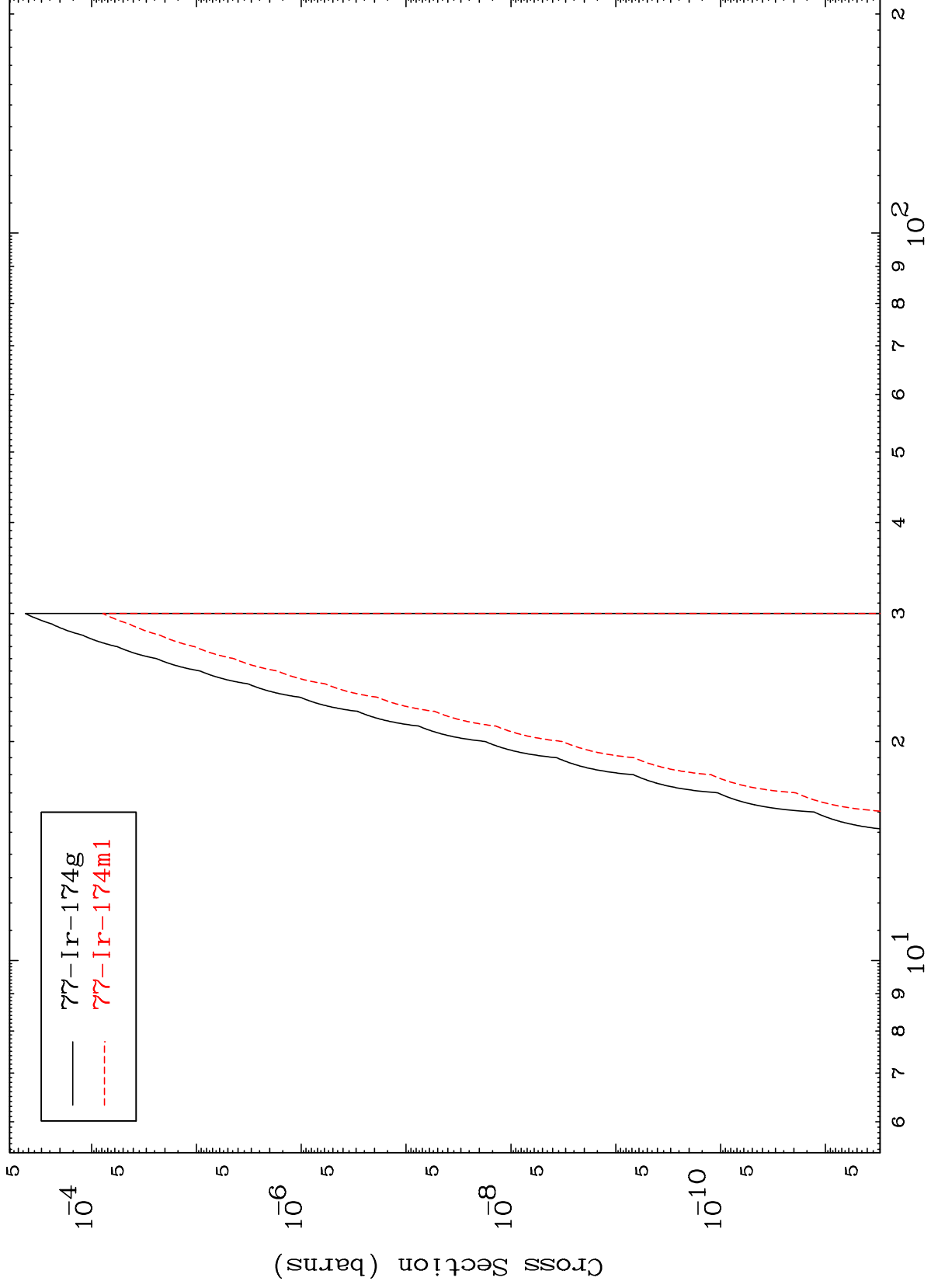
79-Au-177

MAT 7865

(n,n') He-3

79-Au-177

Radionuclide Production Cross Section



57

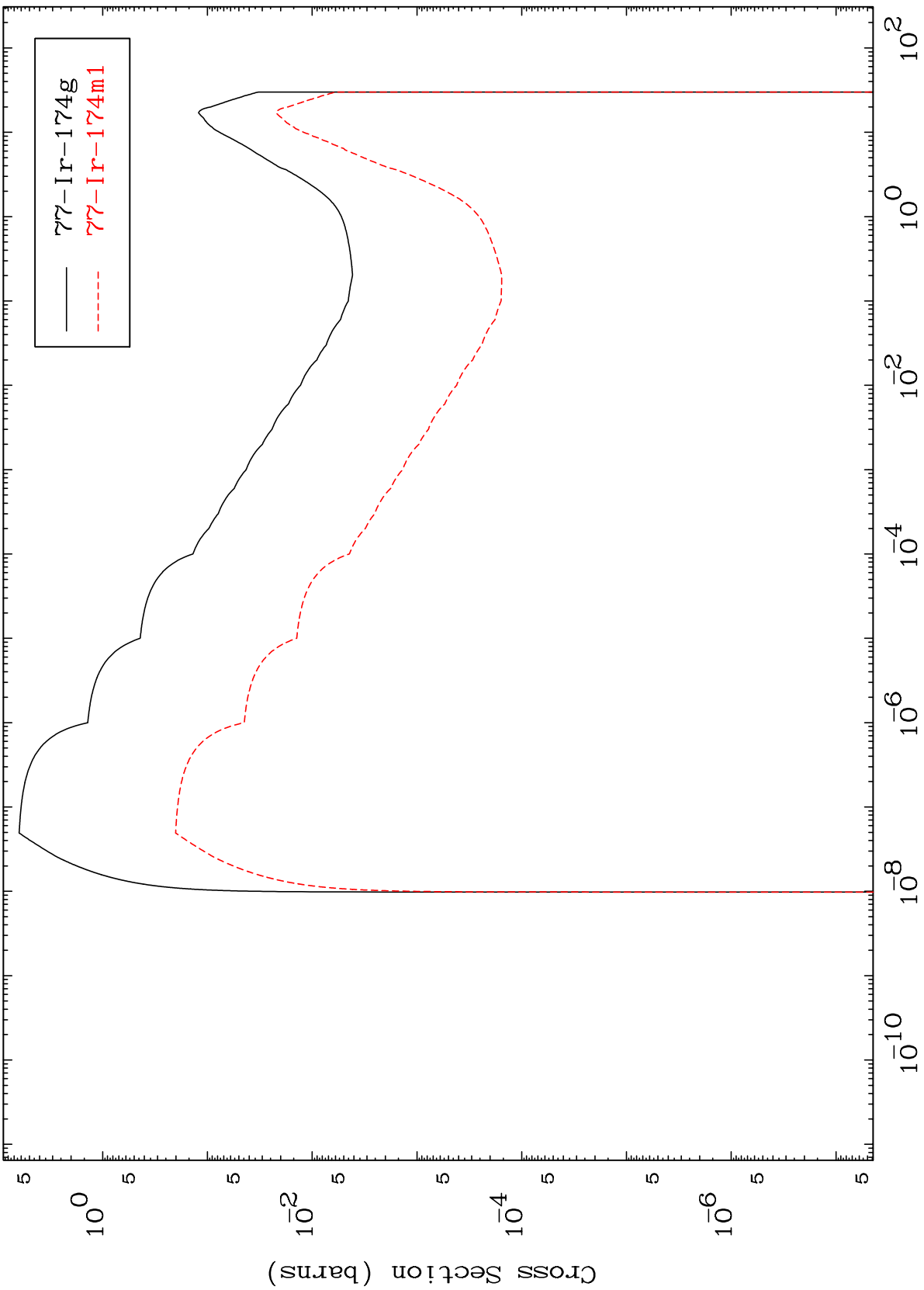
Incident Energy (MeV)

79-Au-177

MAT 7865

79-Au-177

(n,α)
Radionuclide Production Cross Section



— 77-Ir-174g
- - - 77-Ir-174m1

79-Au-177

Incident Energy (MeV)

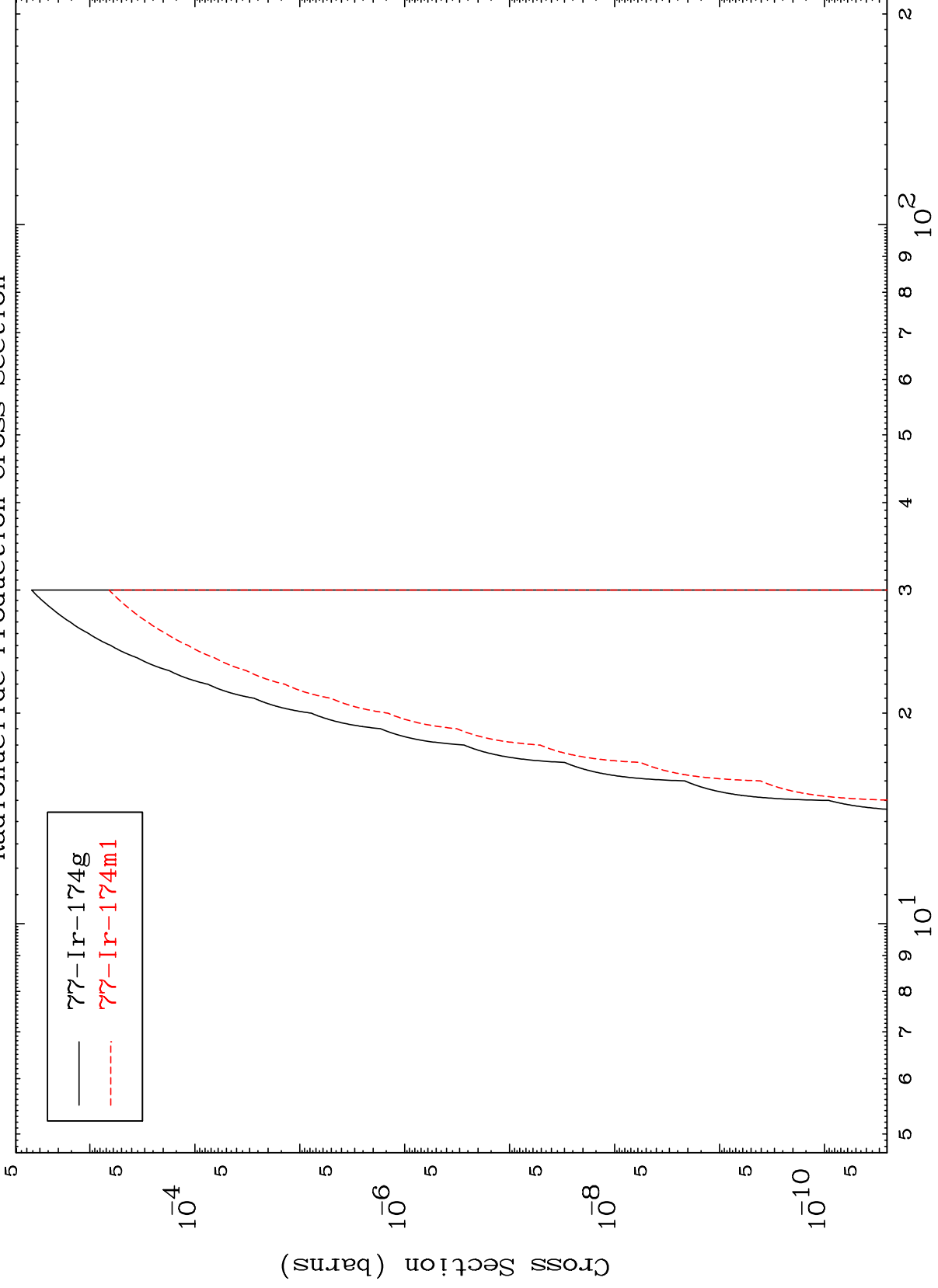
58

MAT 7865

(n,p) t

⁷⁹Au-177

Radionuclide Production Cross Section



— ⁷⁷Ir-174g
- - - ⁷⁷Ir-174m1