

Program EVALPLOT  
(Version 2021-1)

by

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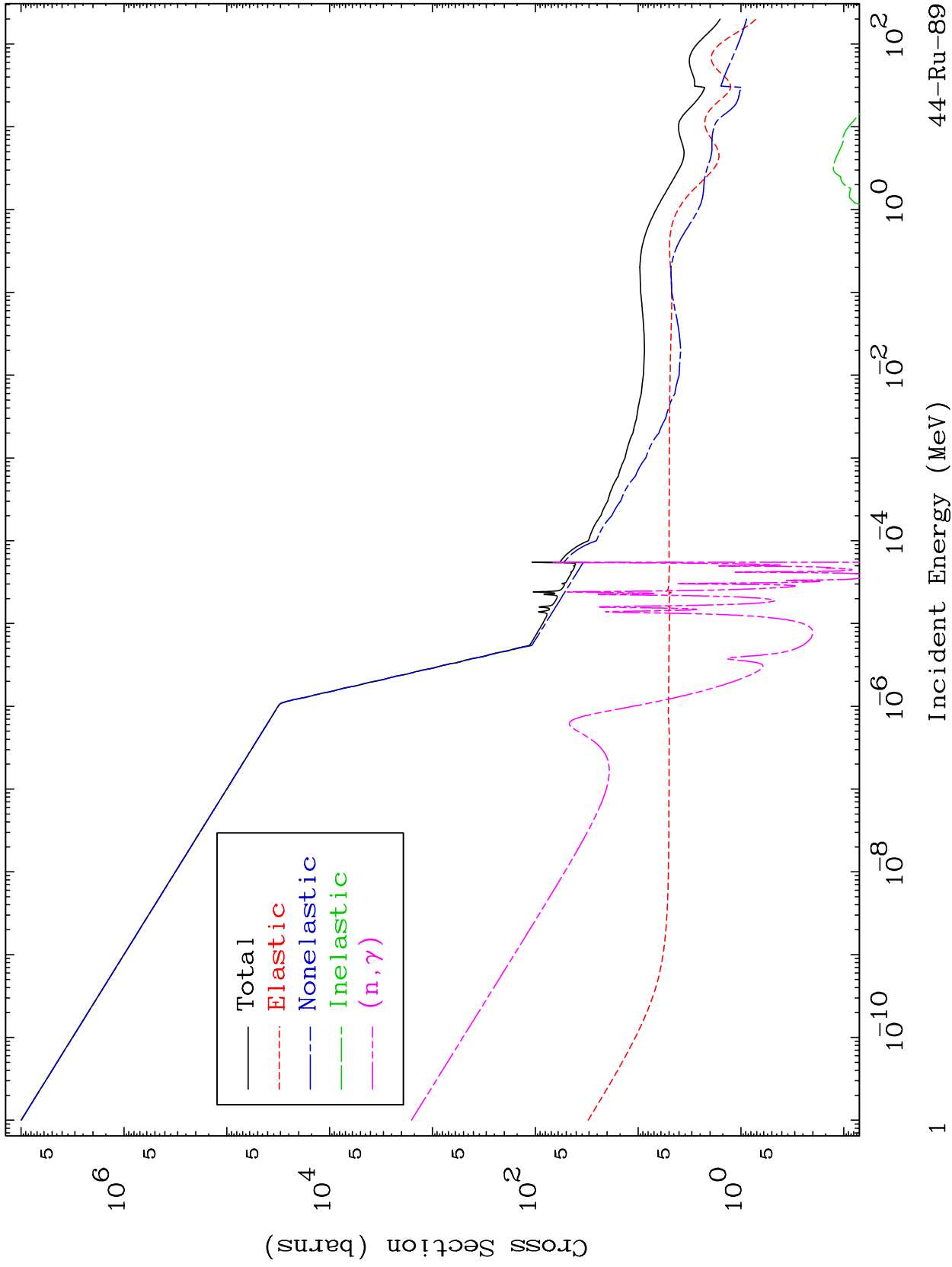
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

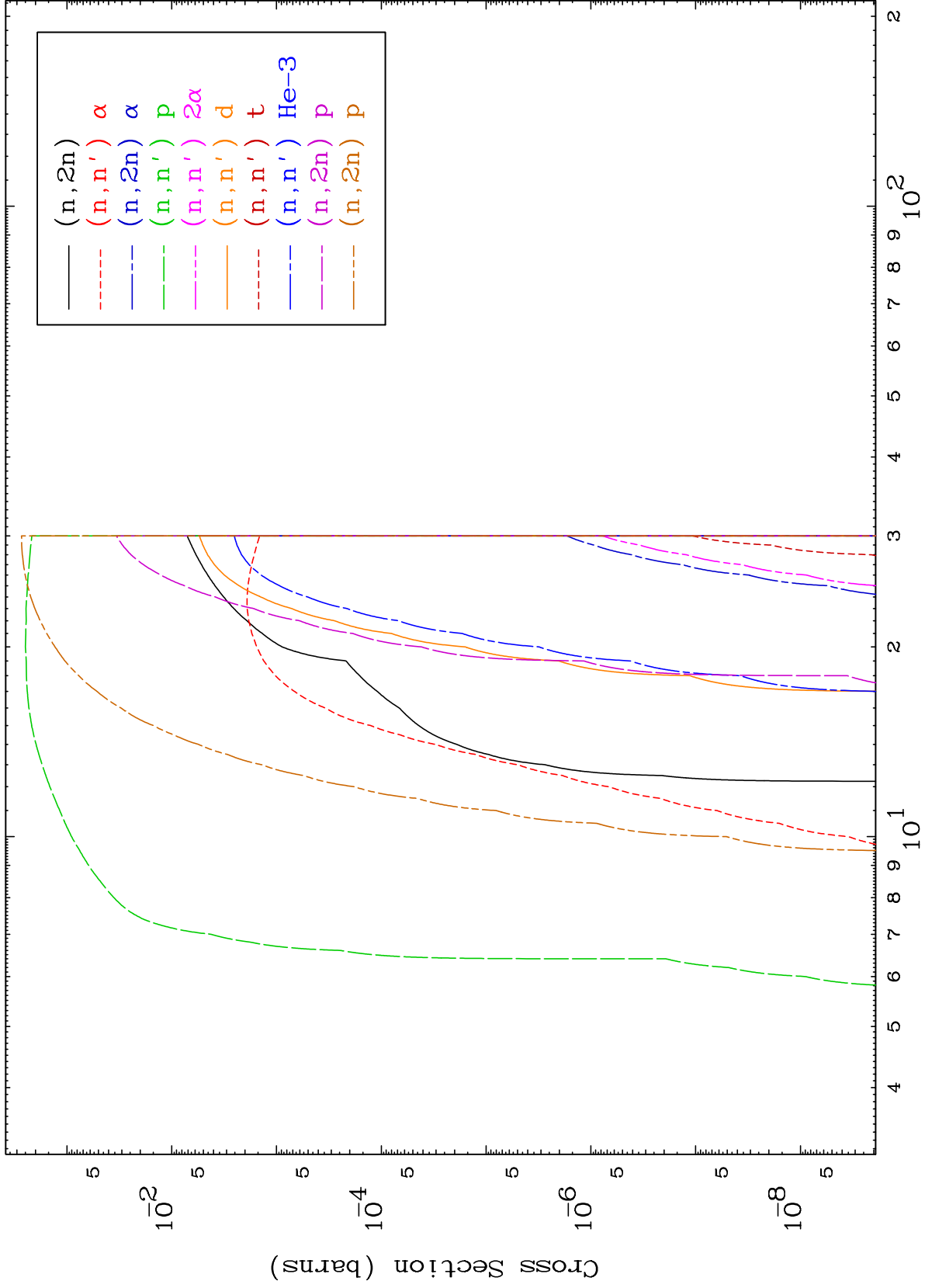
MAT 4404

Neutron Major  
293 Kelvin Cross Sections

44-Ru-89



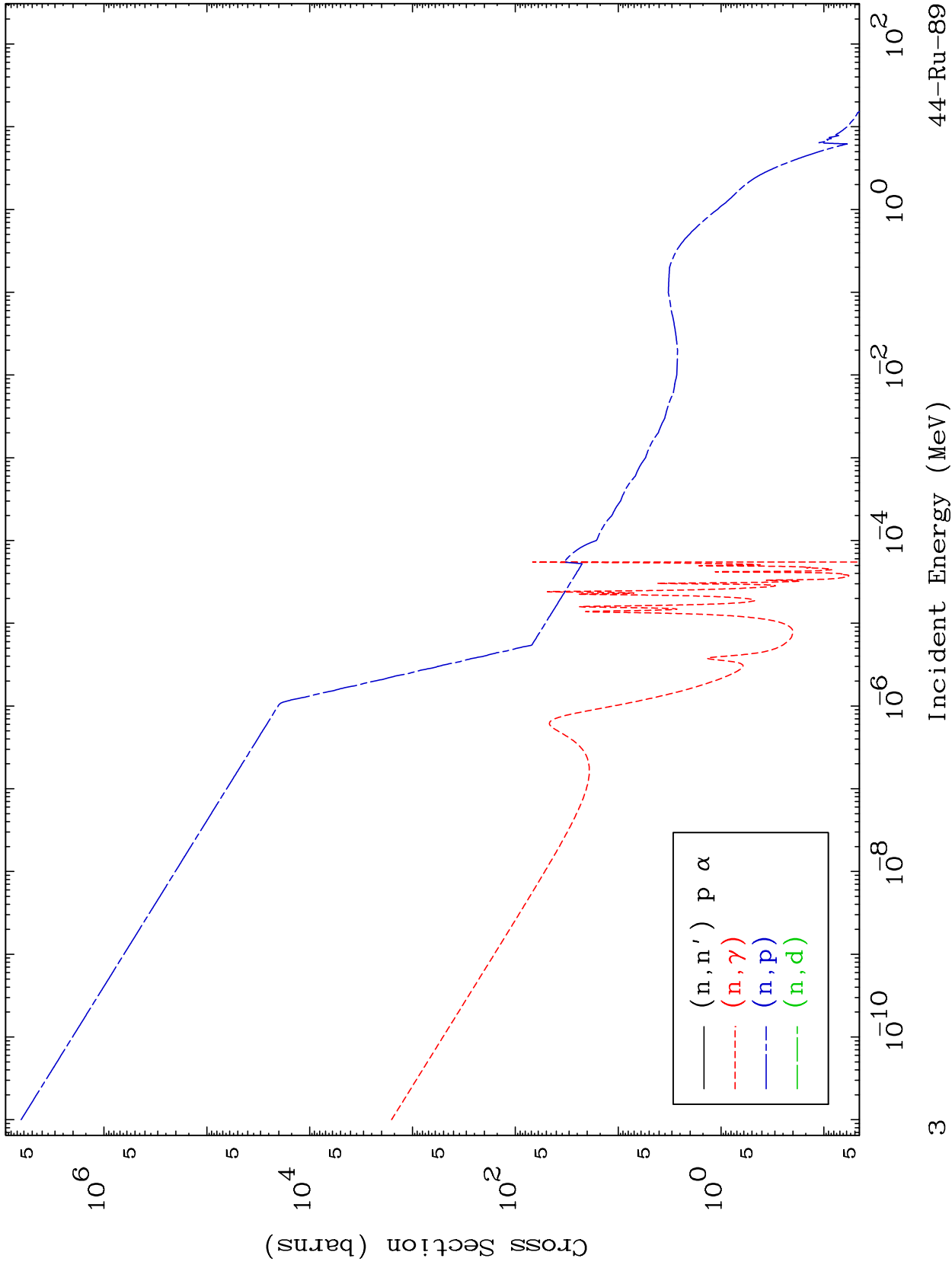
Neutron Absorption  
293 Kelvin Cross Sections



MAT 4404

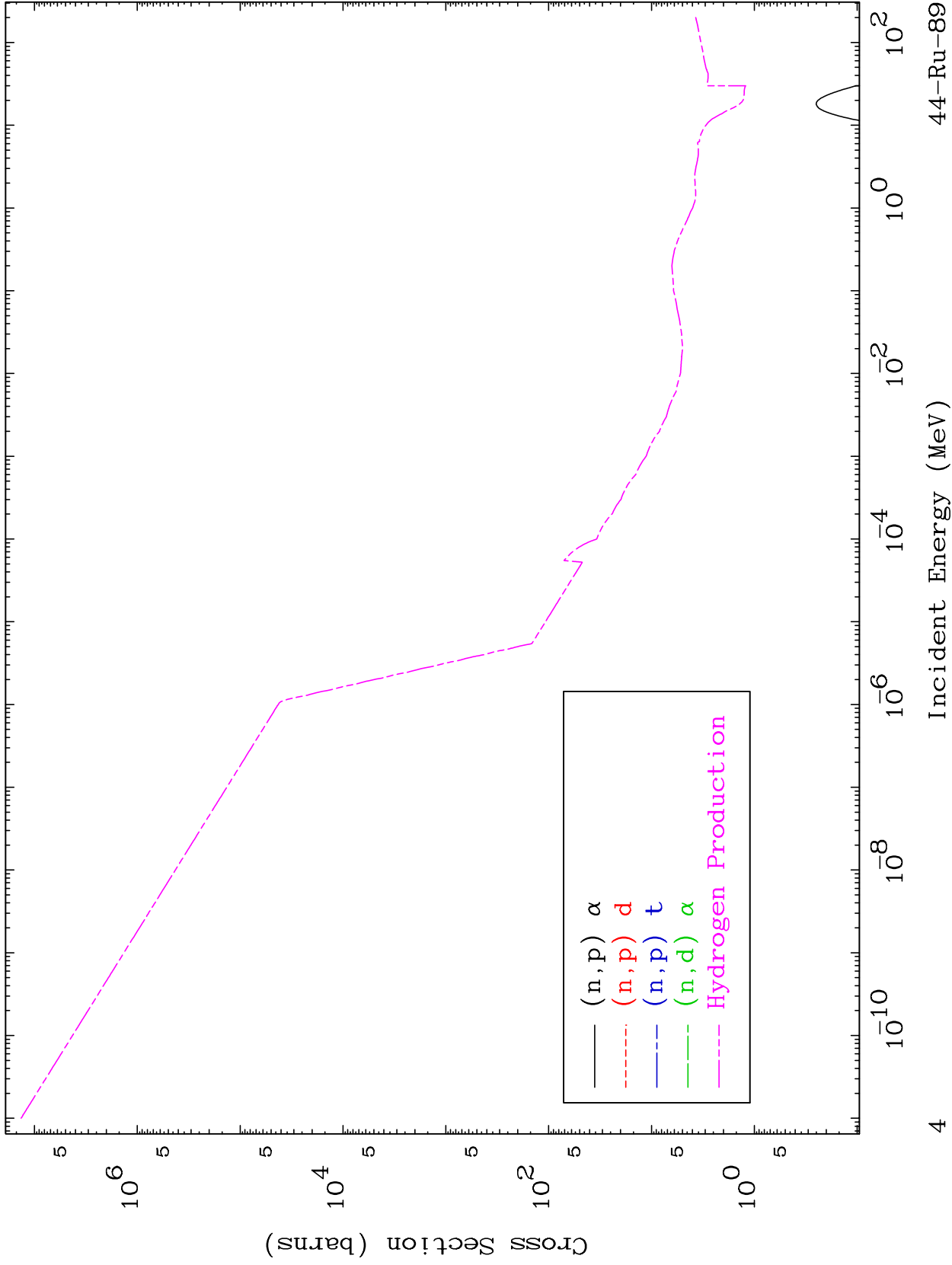
Neutron Absorption  
293 Kelvin Cross Sections

44-Ru-89



44-Ru-89

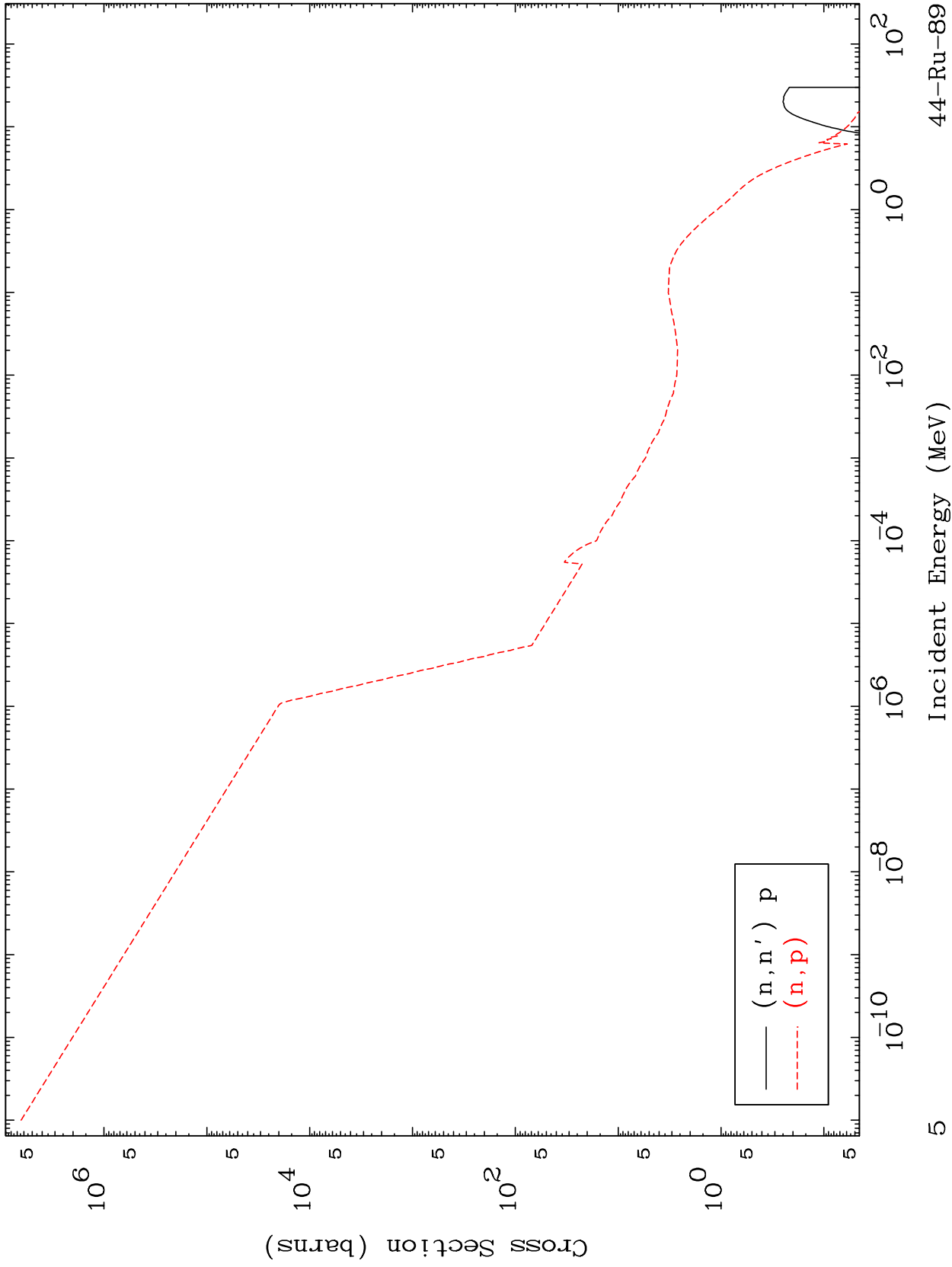
Incident Energy (MeV)

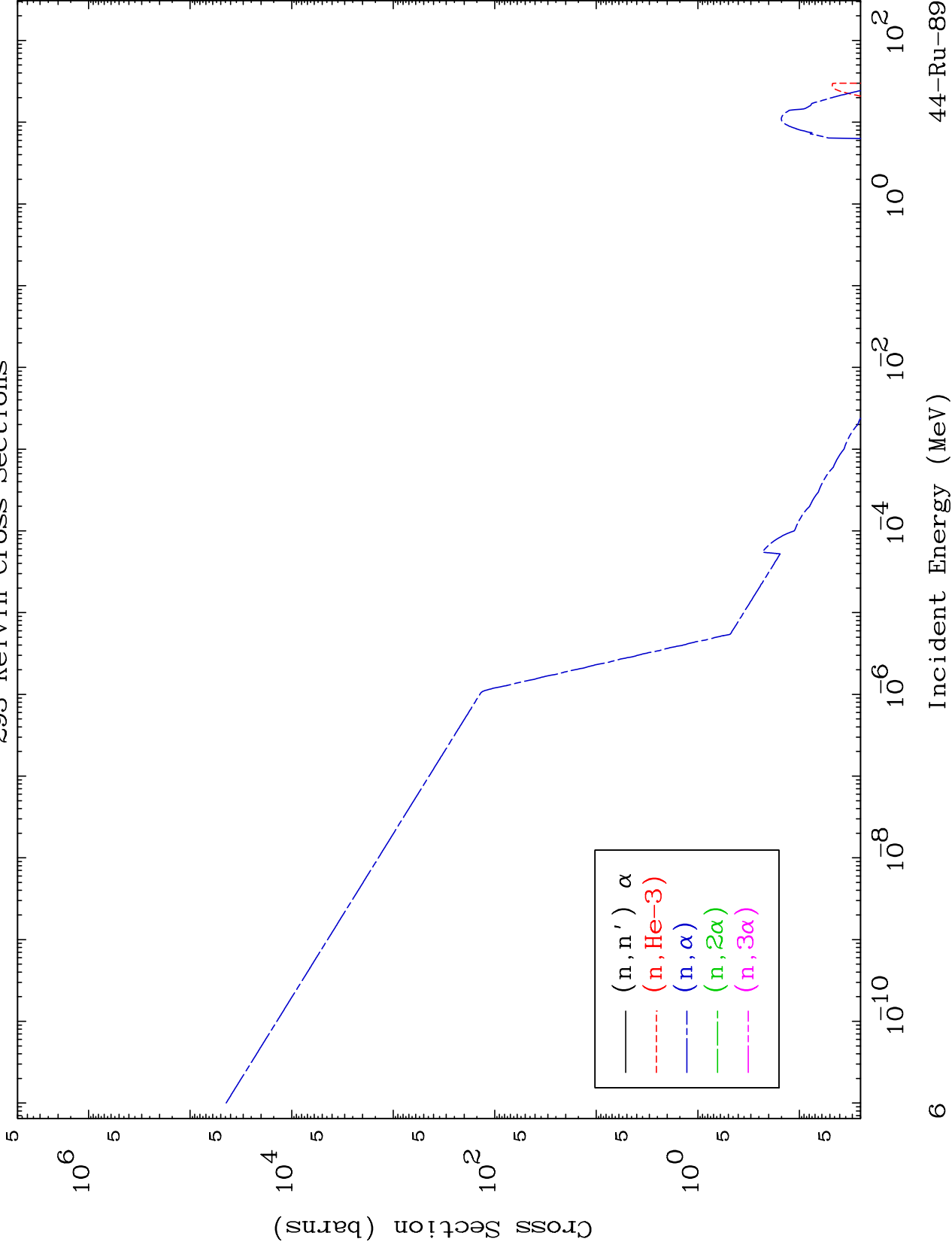


MAT 4404

Charged Particle  
293 Kelvin Cross Sections

44-Ru-89

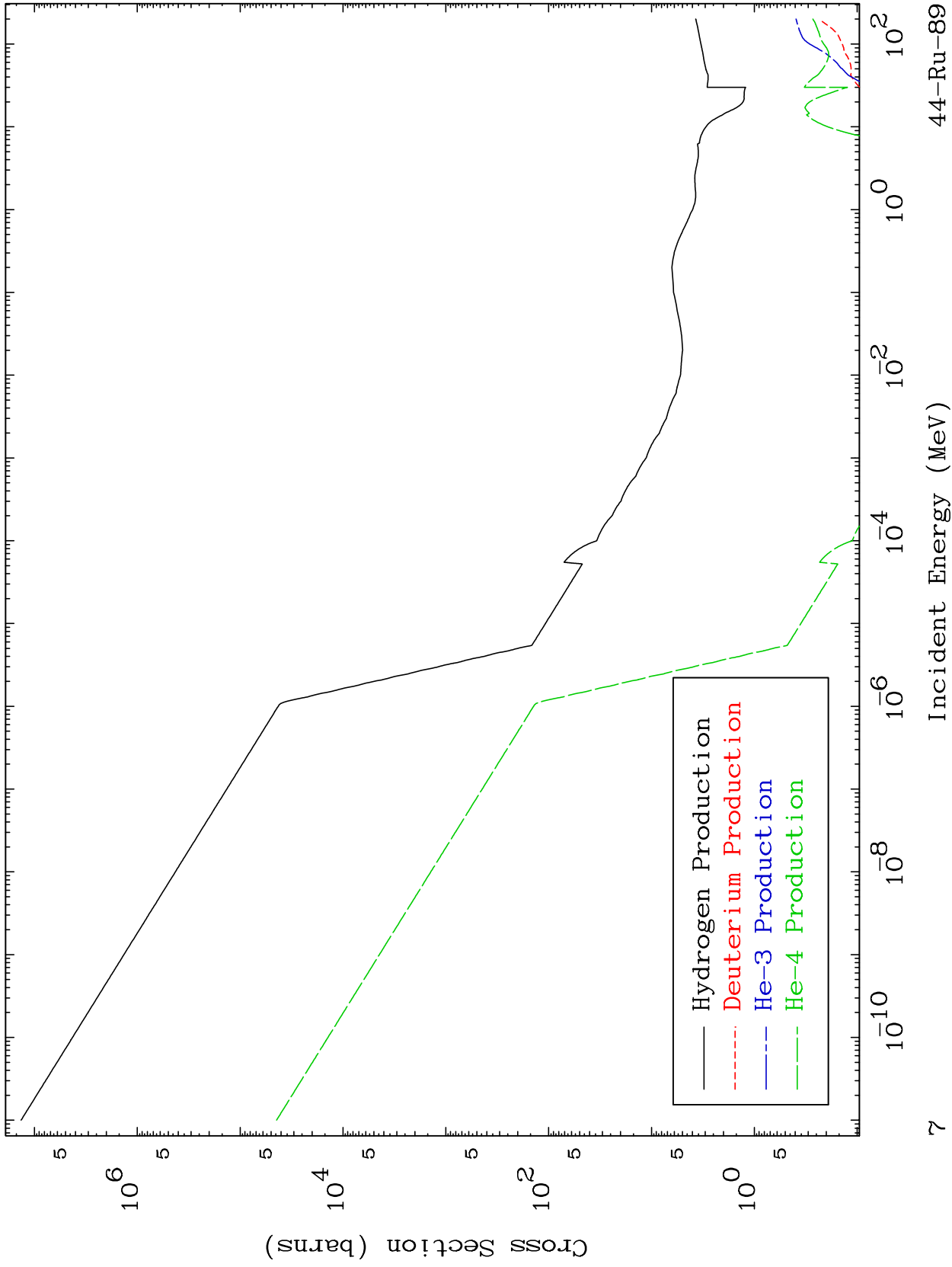




MAT 4404

Particle Production  
293 Kelvin Cross Sections

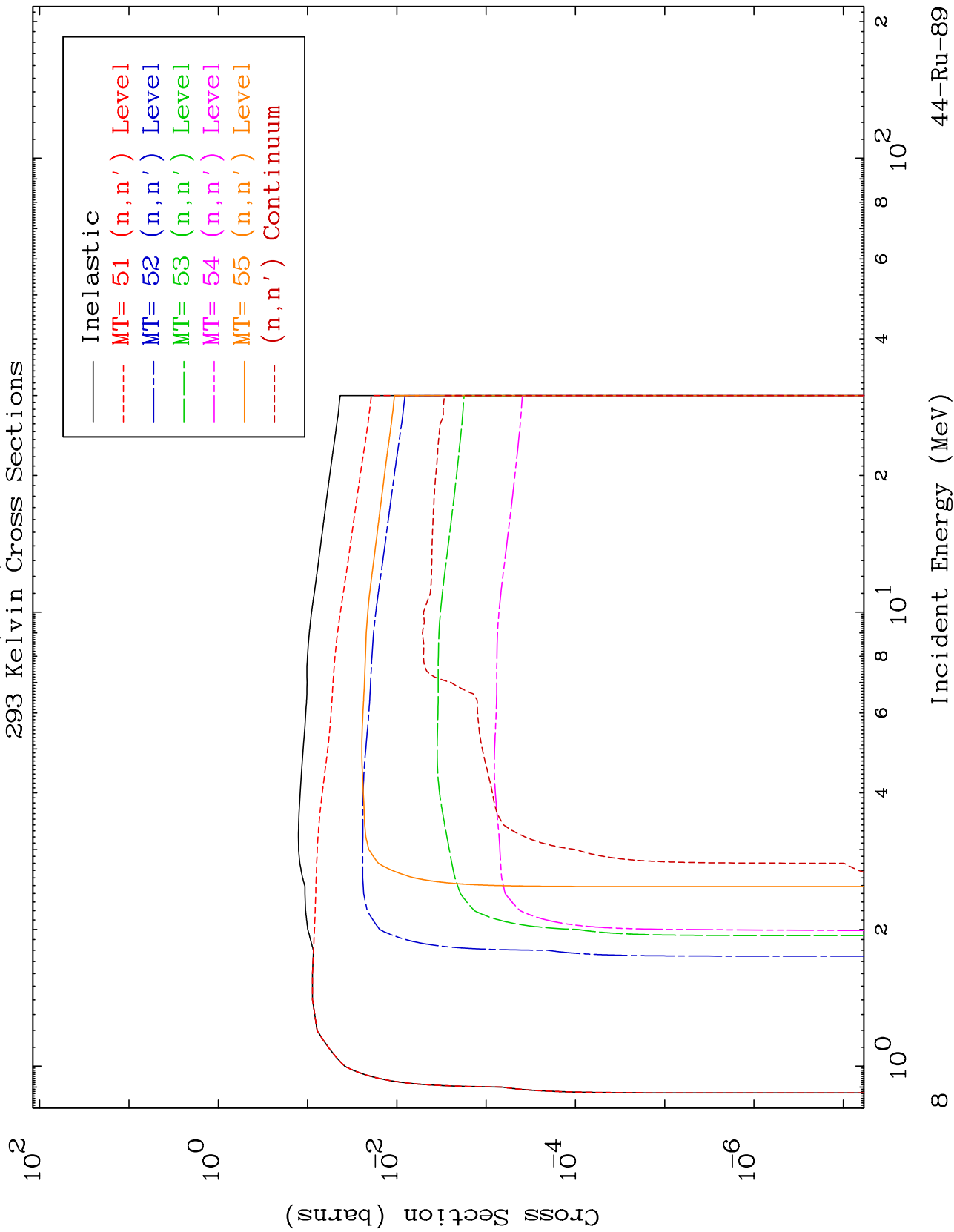
44-Ru-89



MAT 4404

44-Ru-89

(n,n') Levels  
293 Kelvin Cross Sections



44-Ru-89

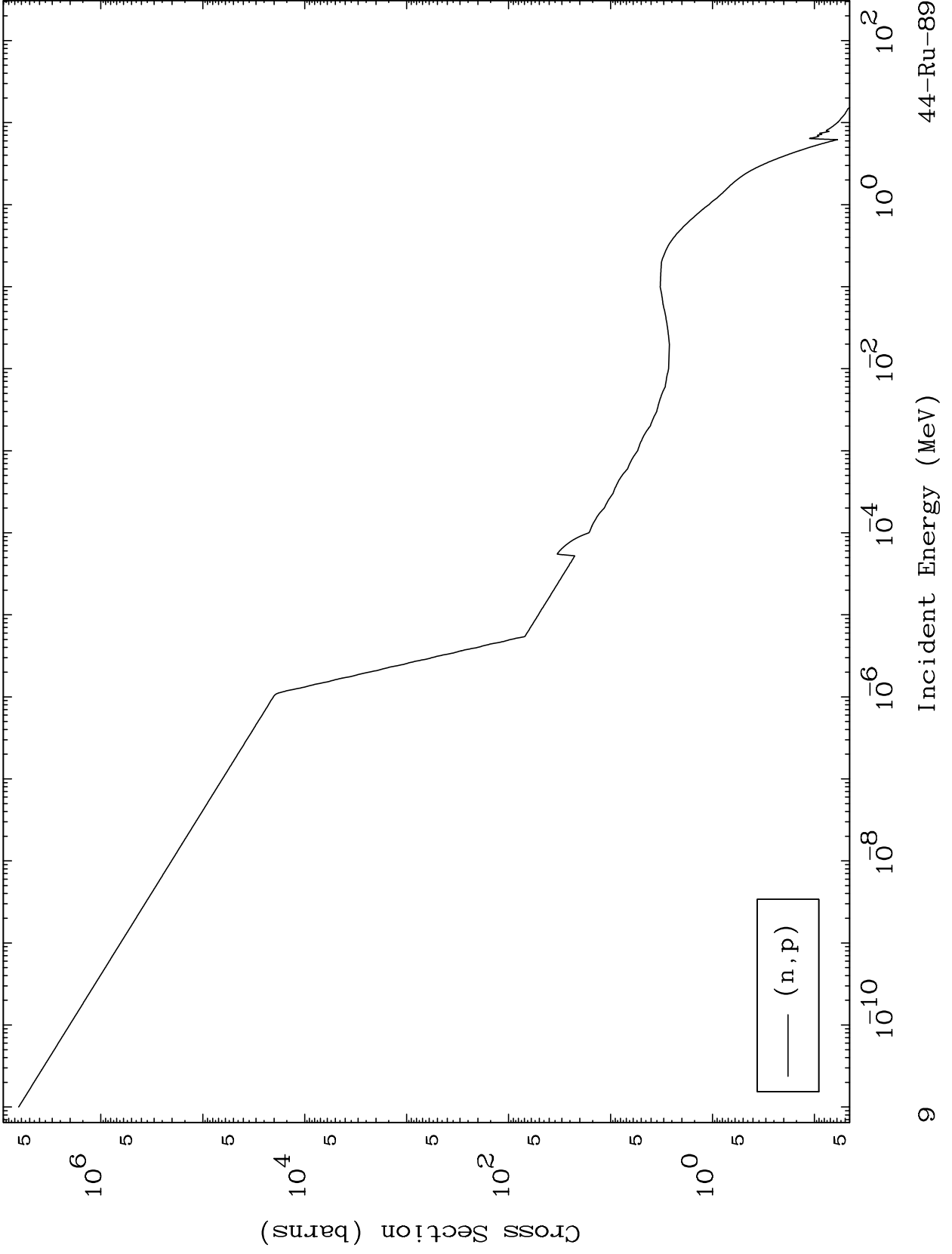
Incident Energy (MeV)

8

MAT 4404

(n,p) Levels  
293 Kelvin Cross Sections

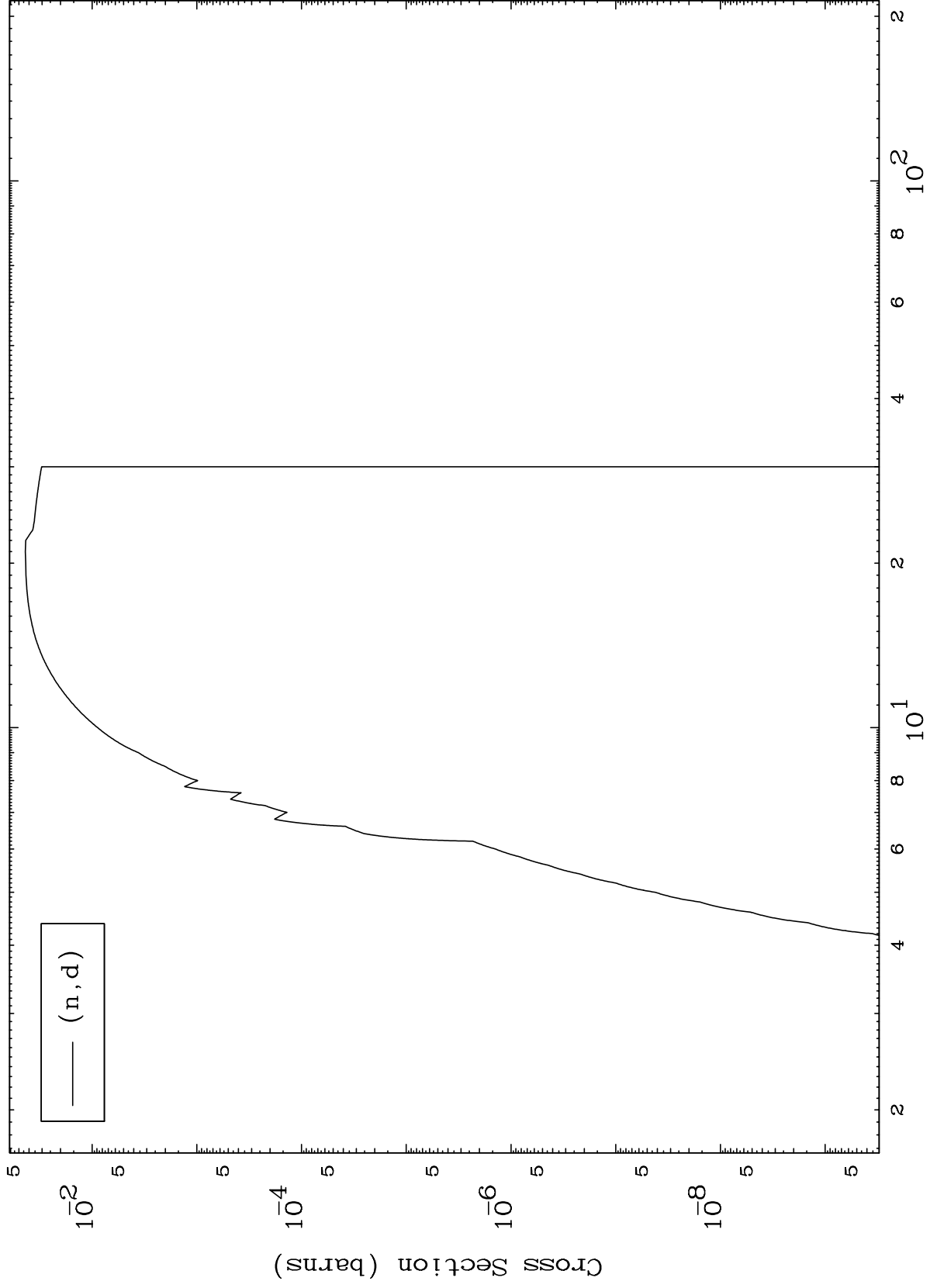
44-Ru-89



MAT 4404

(n,d) Levels  
293 Kelvin Cross Sections

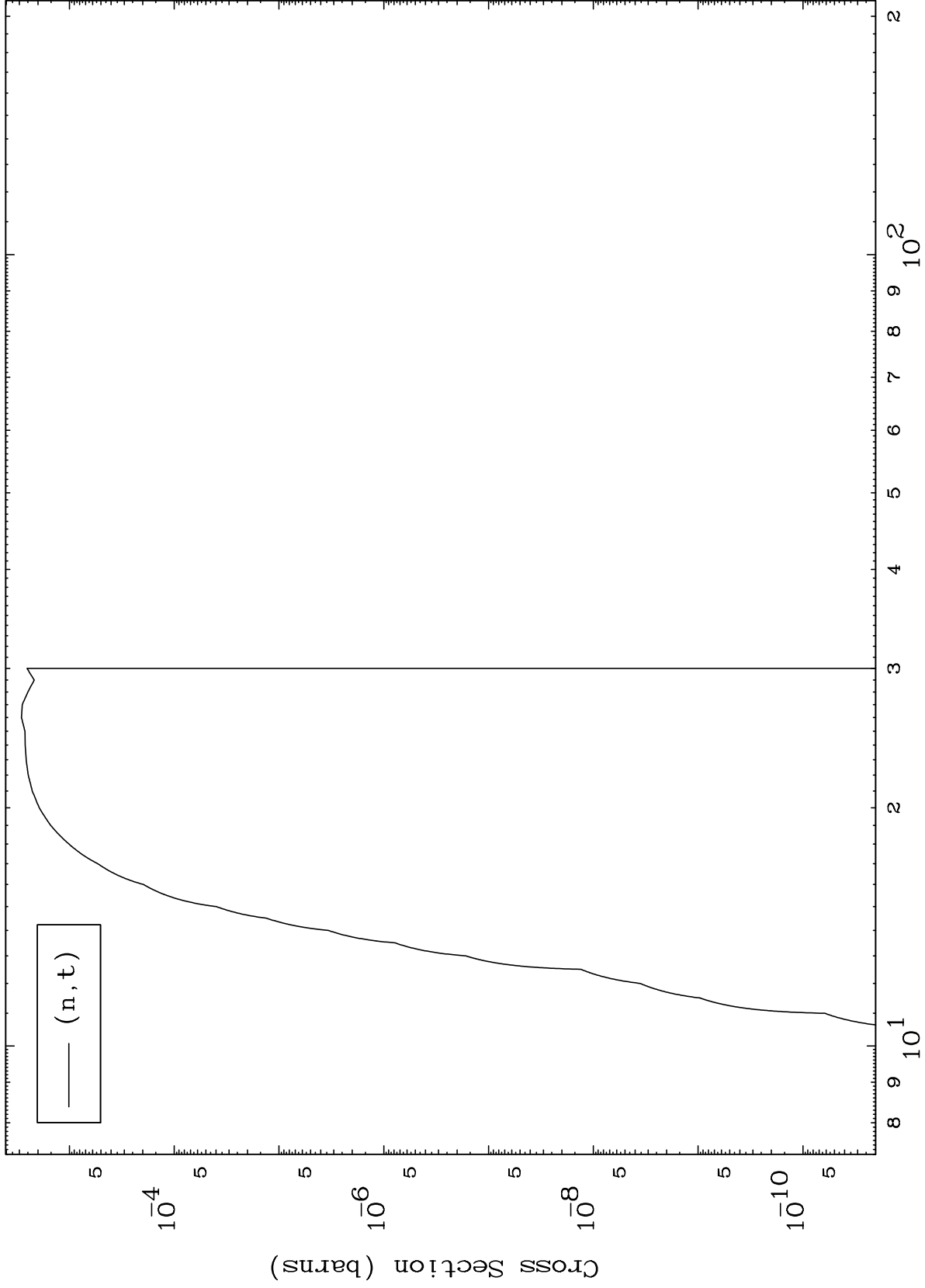
44-Ru-89



10

Incident Energy (MeV)

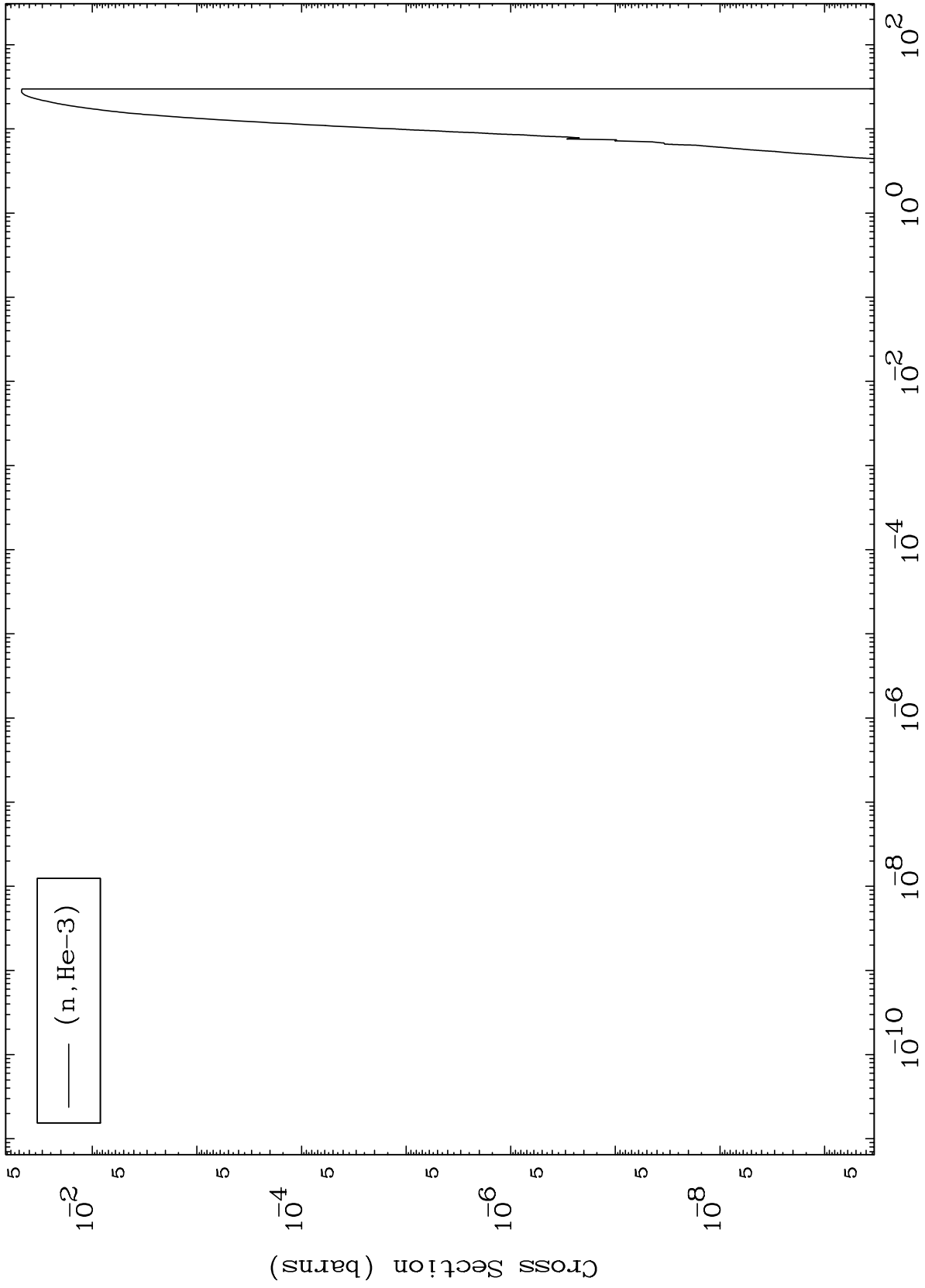
44-Ru-89



MAT 4404

(n,He3) Levels  
293 Kelvin Cross Sections

44-Ru-89



12

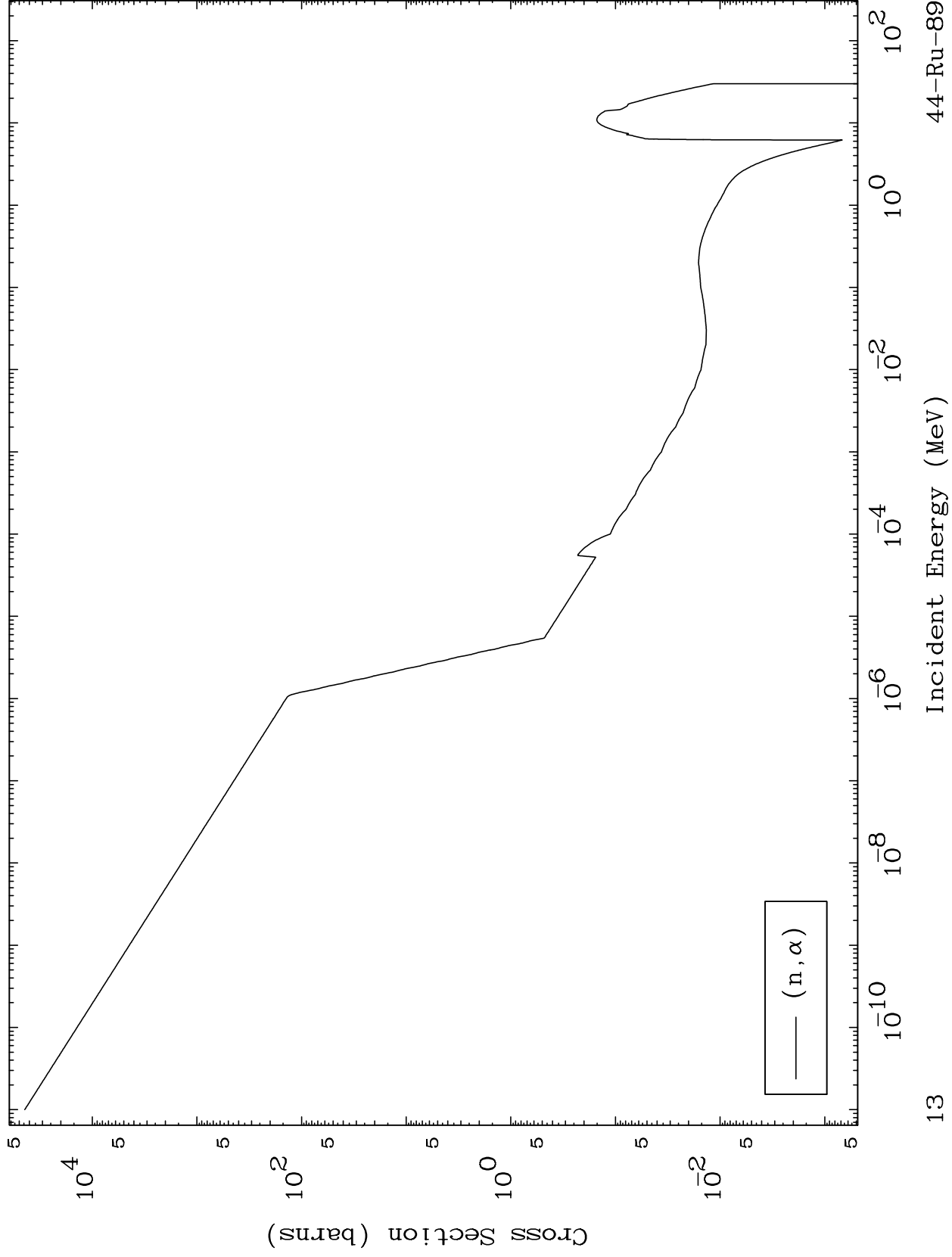
Incident Energy (MeV)

44-Ru-89

MAT 4404

(n,α) Levels  
293 Kelvin Cross Sections

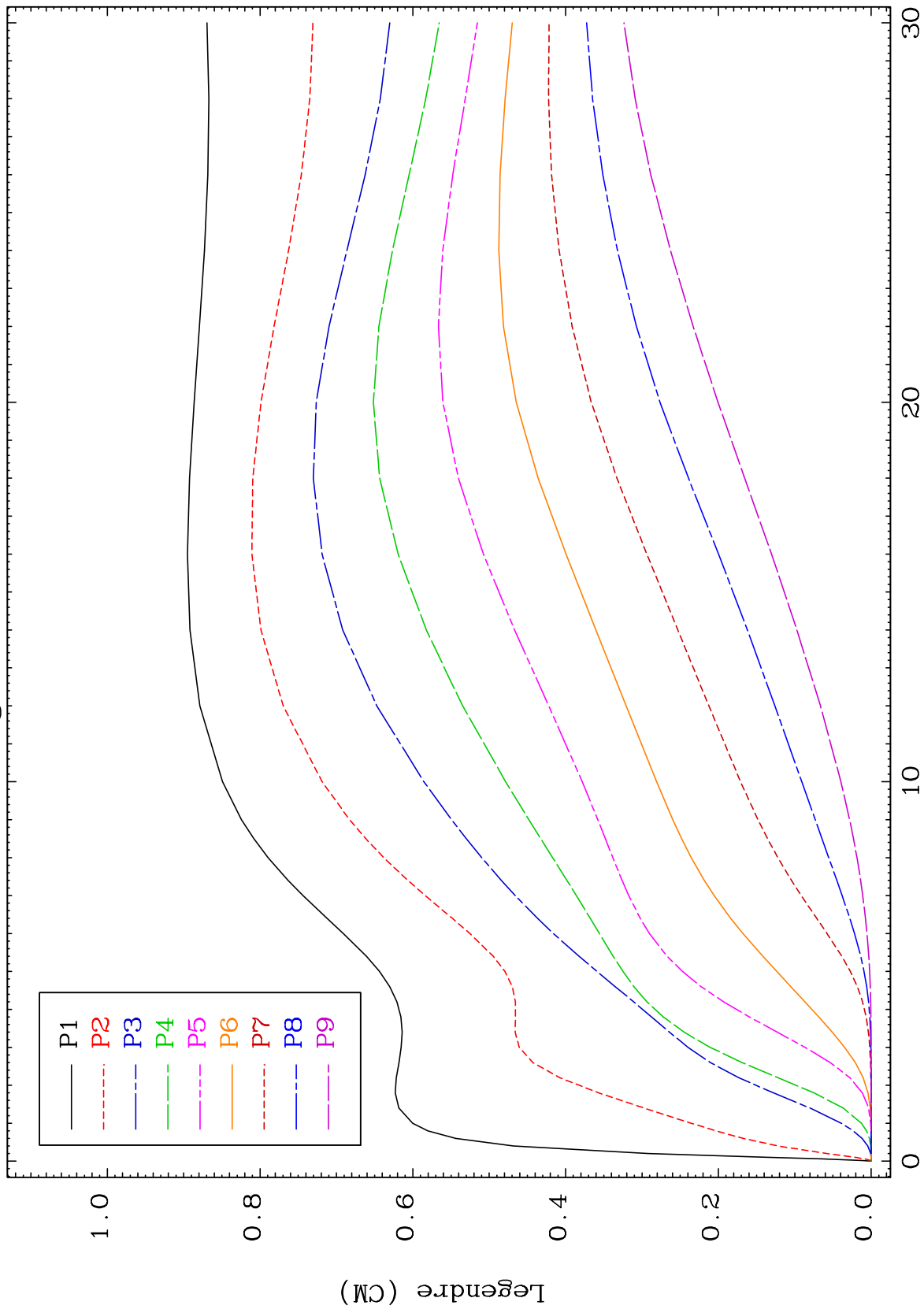
44-Ru-89



MAT 4404

Elastic Legendre Coefficients

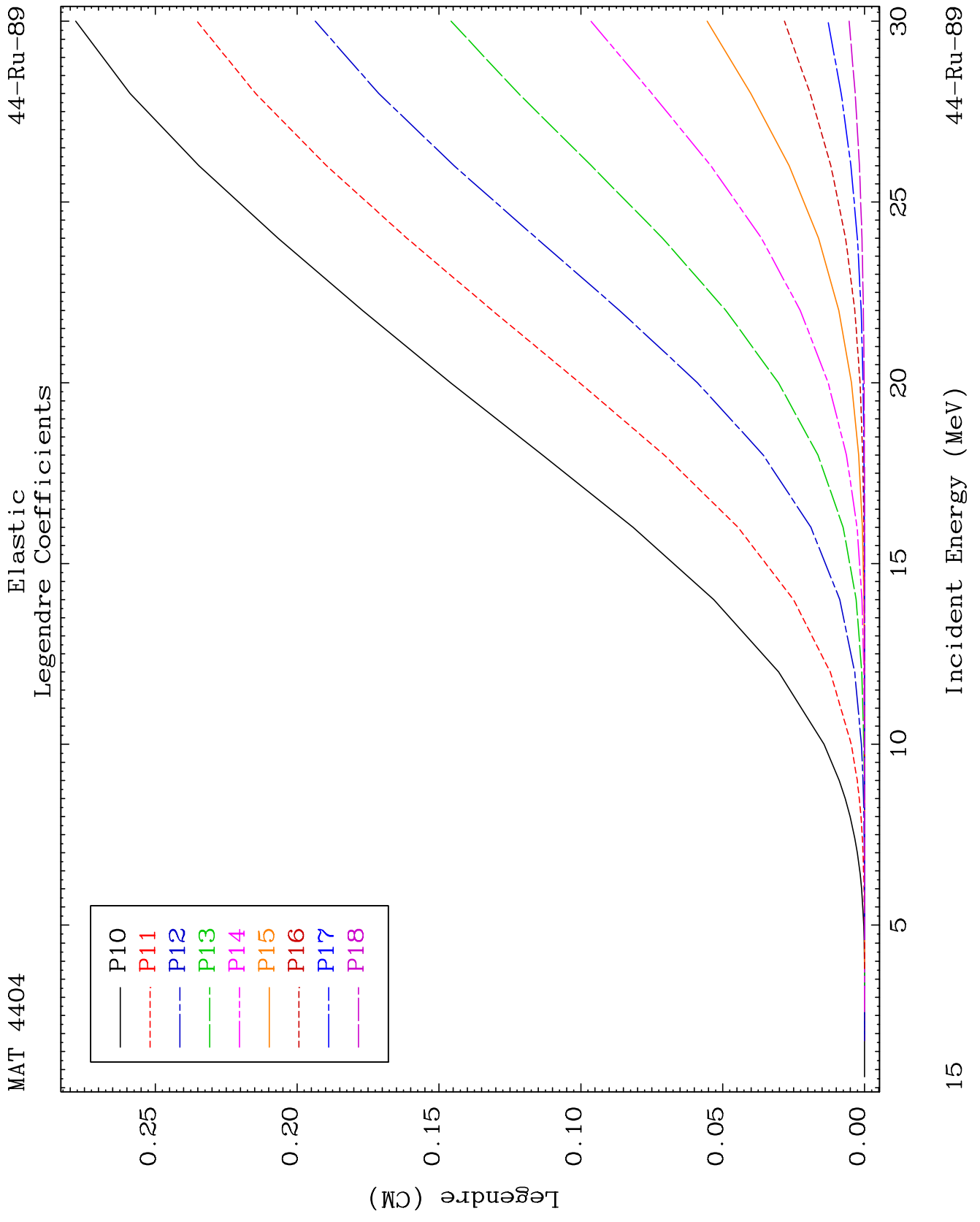
44-Ru-89



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Incident Energy (MeV)

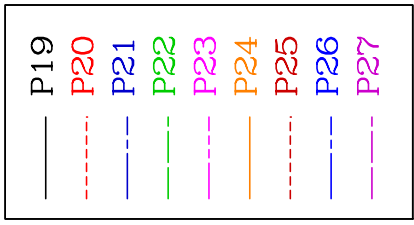
44-Ru-89



MAT 4404

Elastic Legendre Coefficients

44-Ru-89



$\times 10^{-3}$   
2.0  
1.5

Legendre (CM)

1.0

0.5

0.0

10

15

20

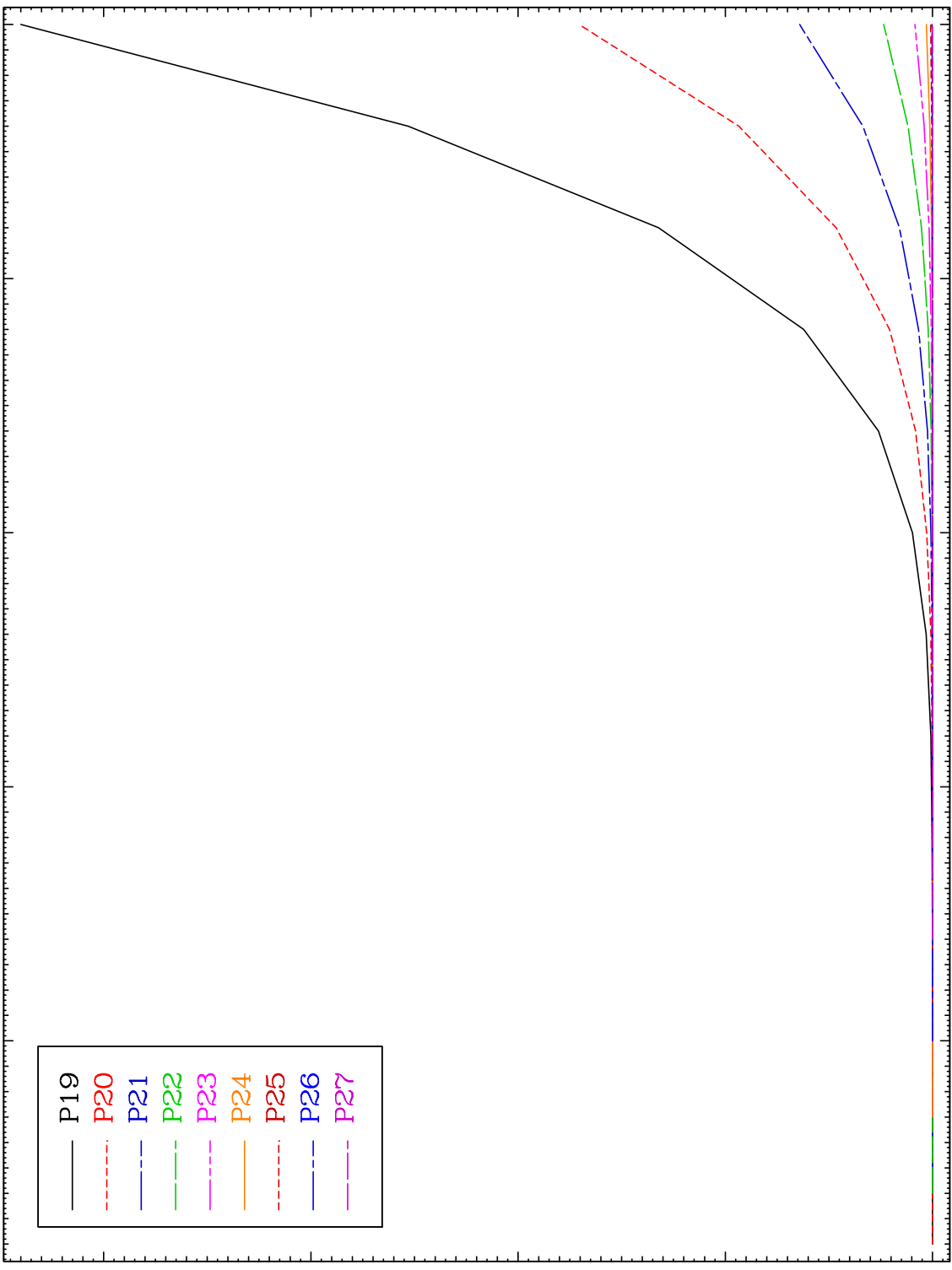
25

30

16

Incident Energy (MeV)

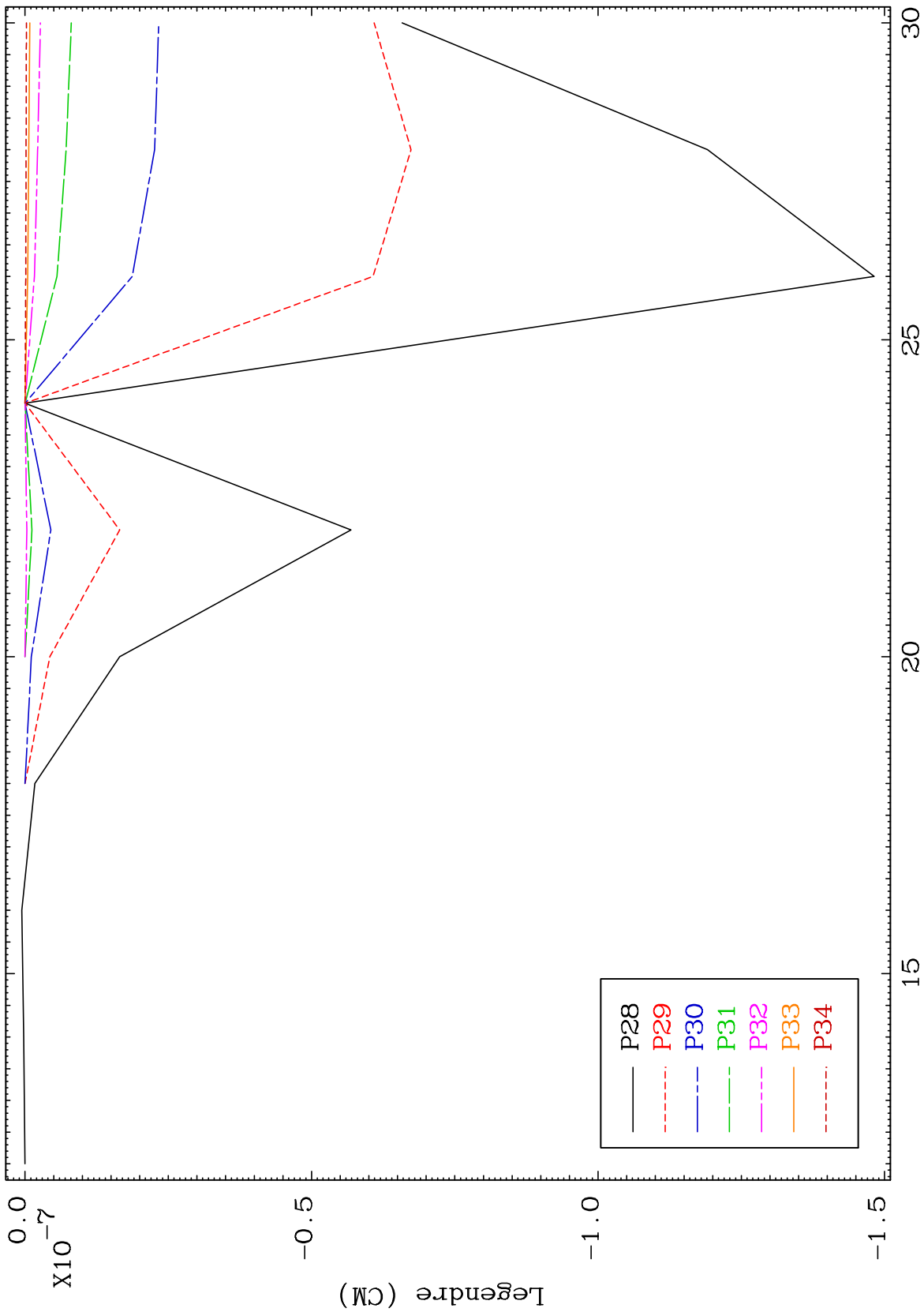
44-Ru-89



MAT 4404

44-Ru-89

Elastic Legendre Coefficients



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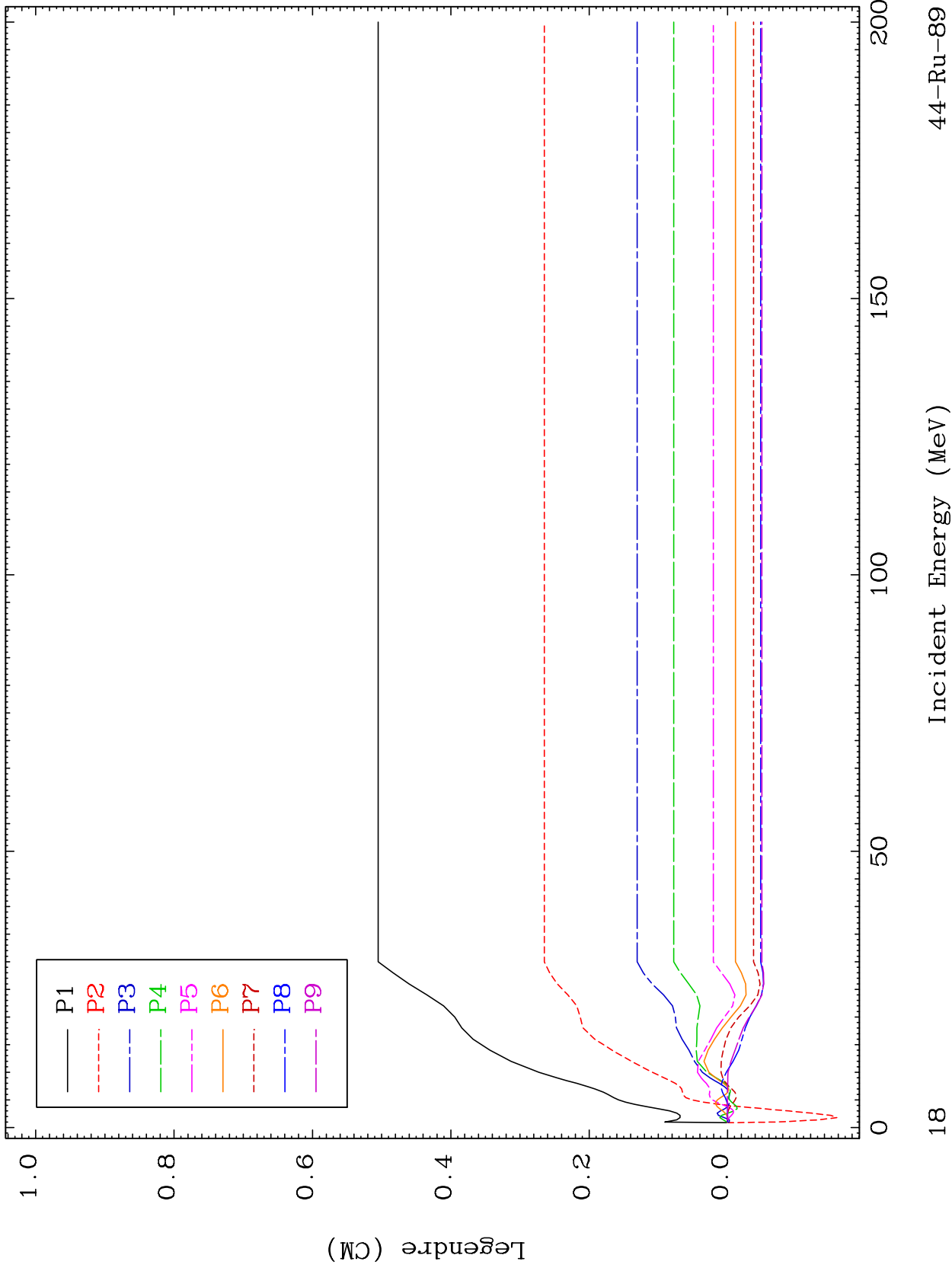
Incident Energy (MeV)

44-Ru-89

MAT 4404

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

44-Ru-89



44-Ru-89

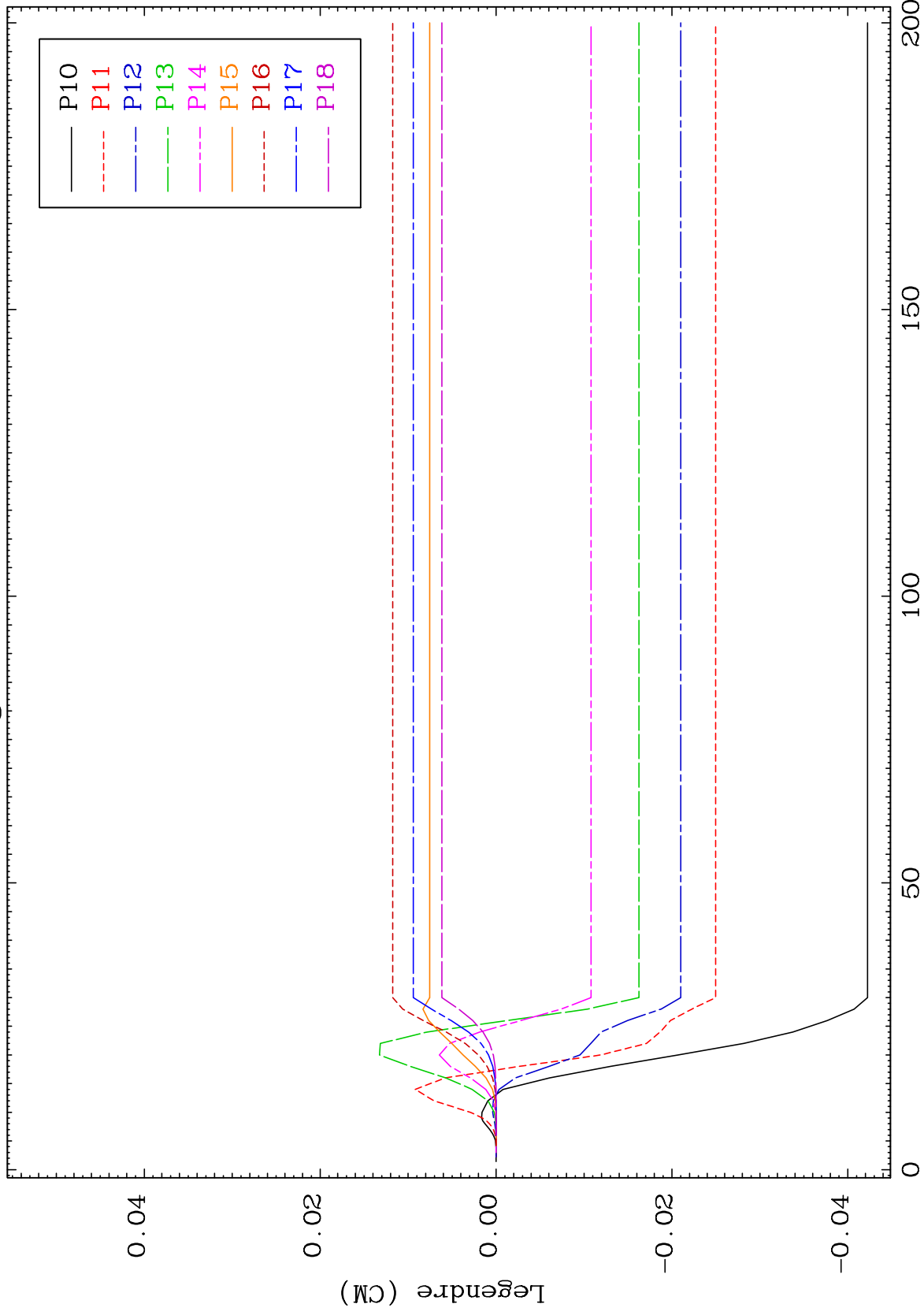
Incident Energy (MeV)

18

MAT 4404

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

44-Ru-89



19

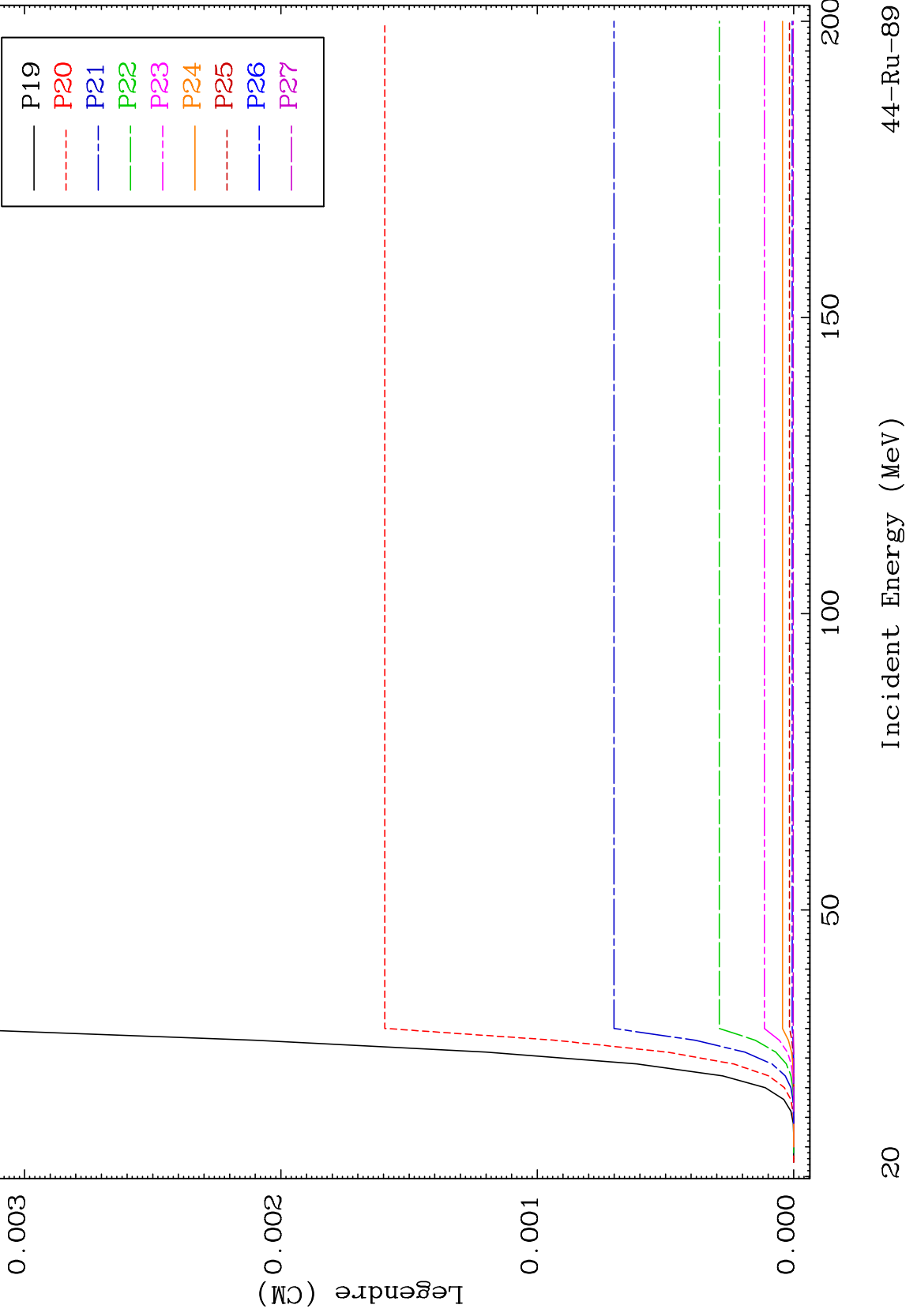
Incident Energy (MeV)

44-Ru-89

MAT 4404

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

44-Ru-89



20

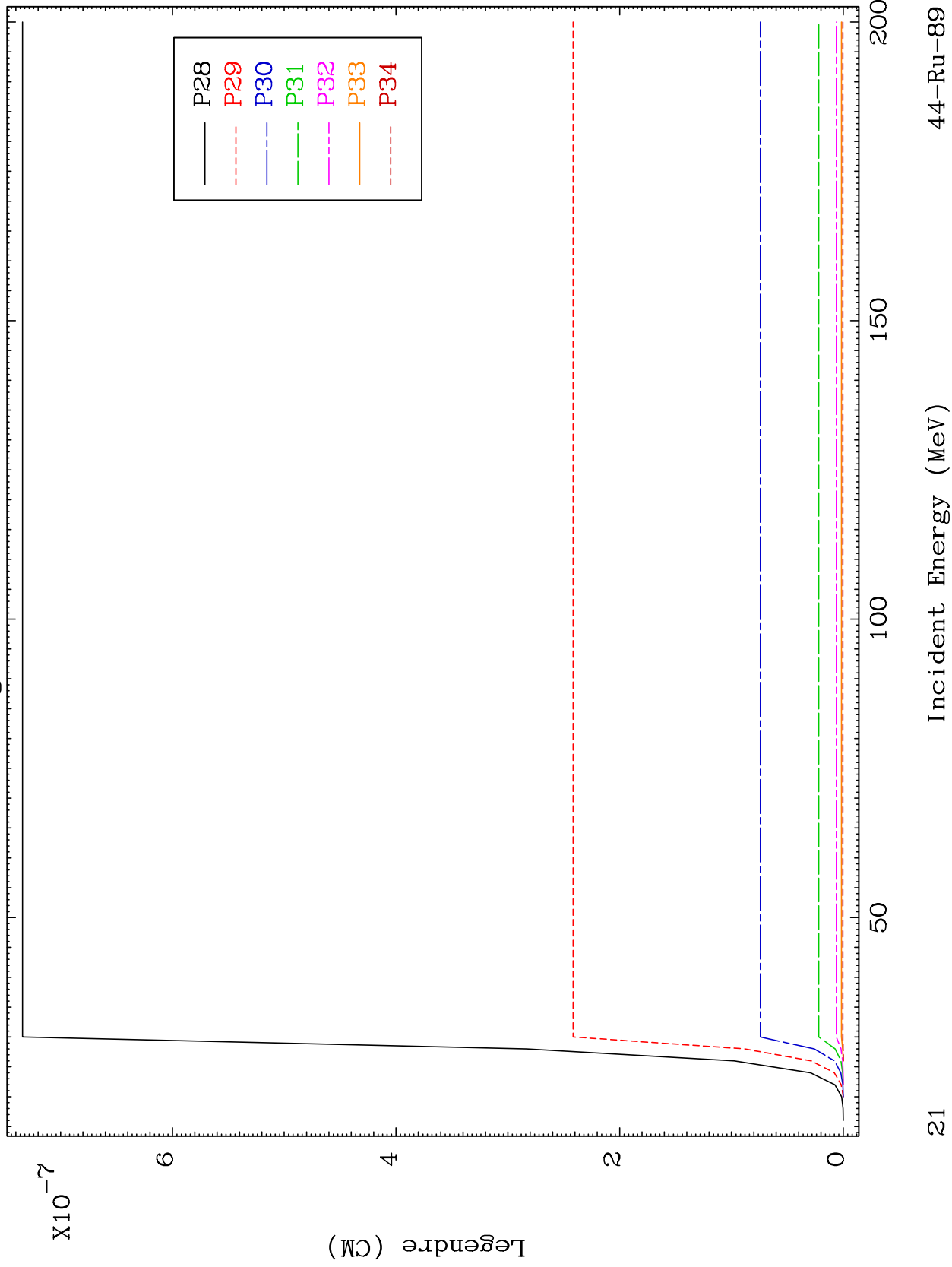
Incident Energy (MeV)

44-Ru-89

MAT 4404

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

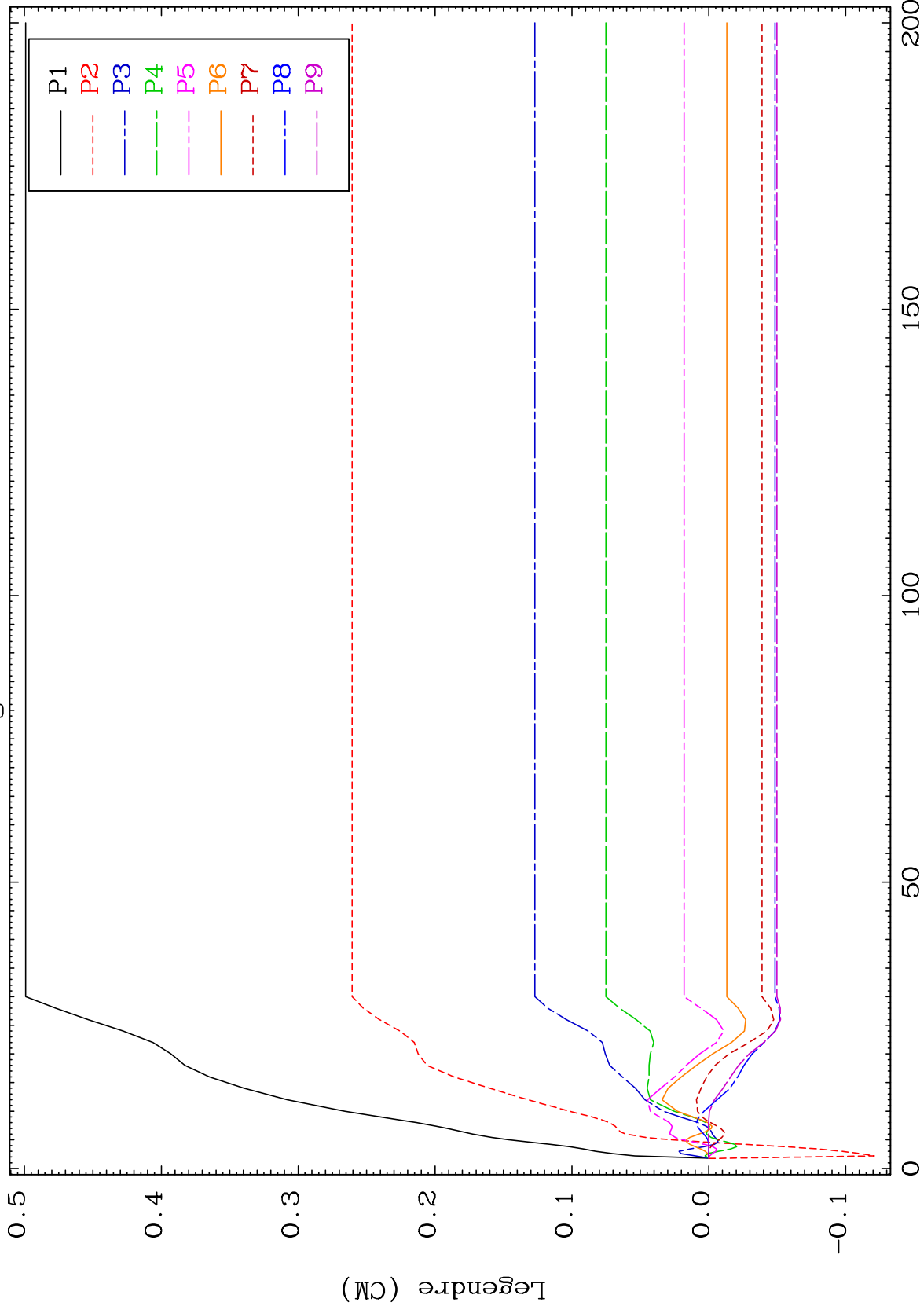
44-Ru-89



MAT 4404

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

44-Ru-89



22

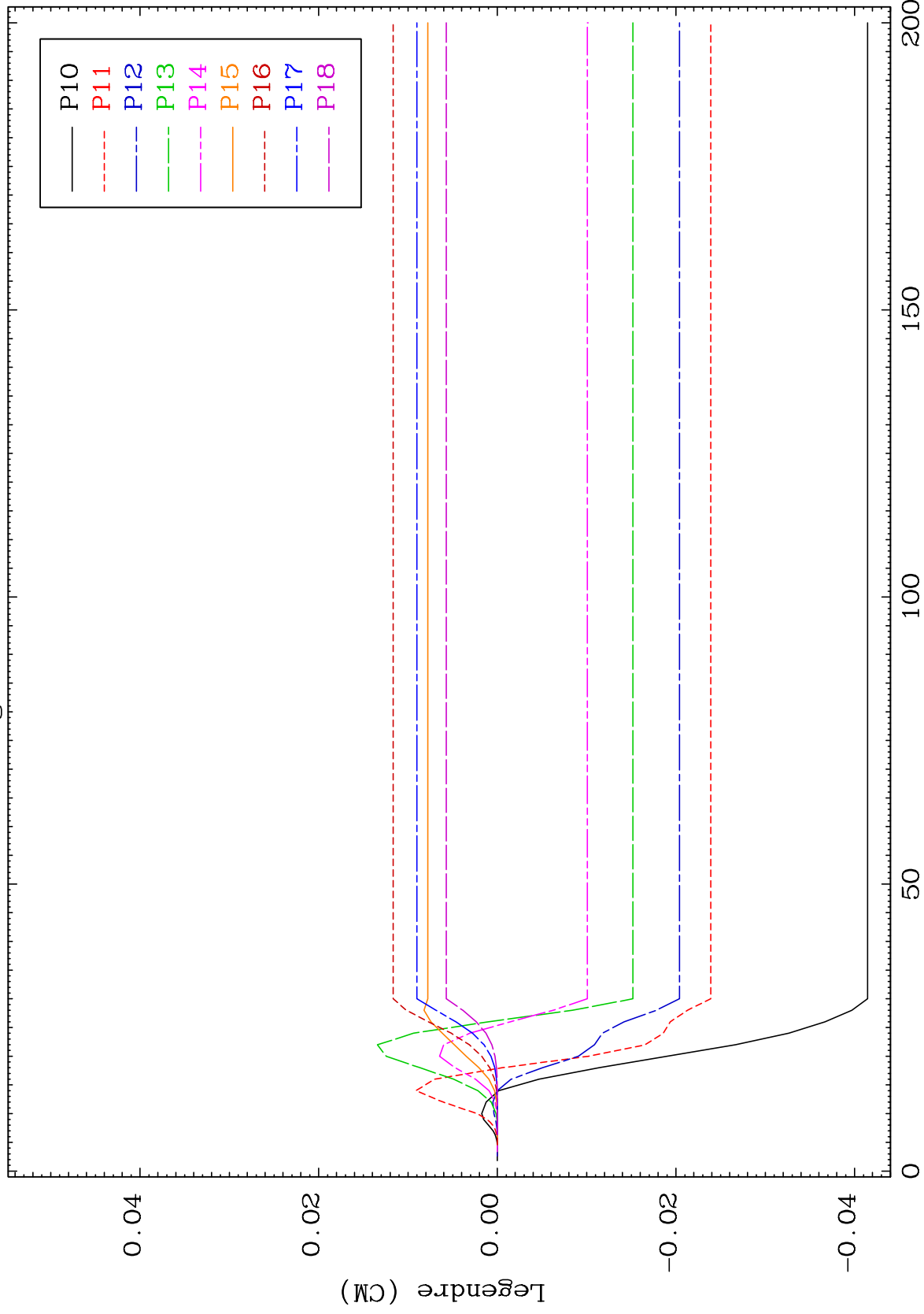
Incident Energy (MeV)

44-Ru-89

MAT 4404

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

44-Ru-89



23

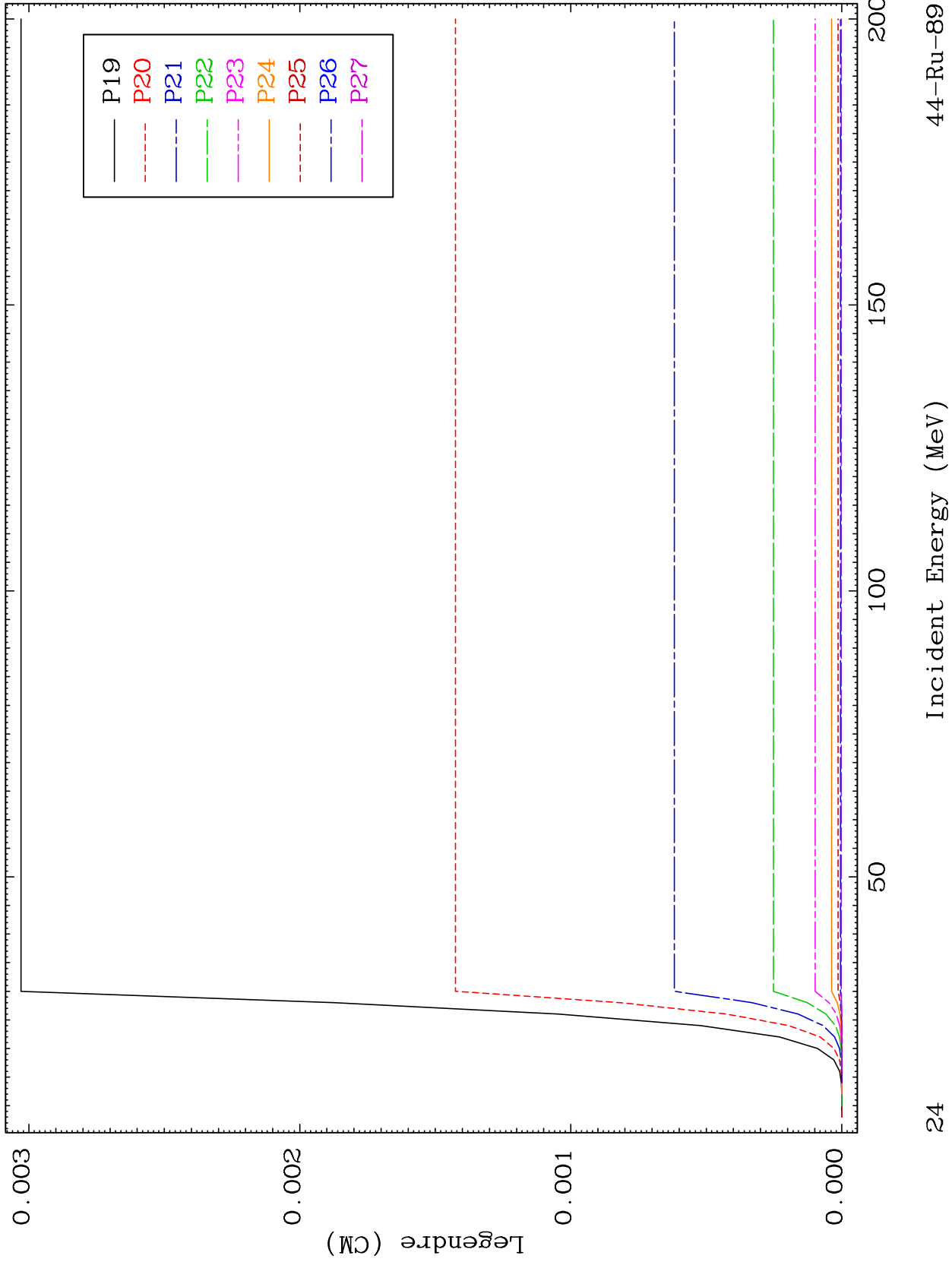
Incident Energy (MeV)

44-Ru-89

MAT 4404

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

44-Ru-89



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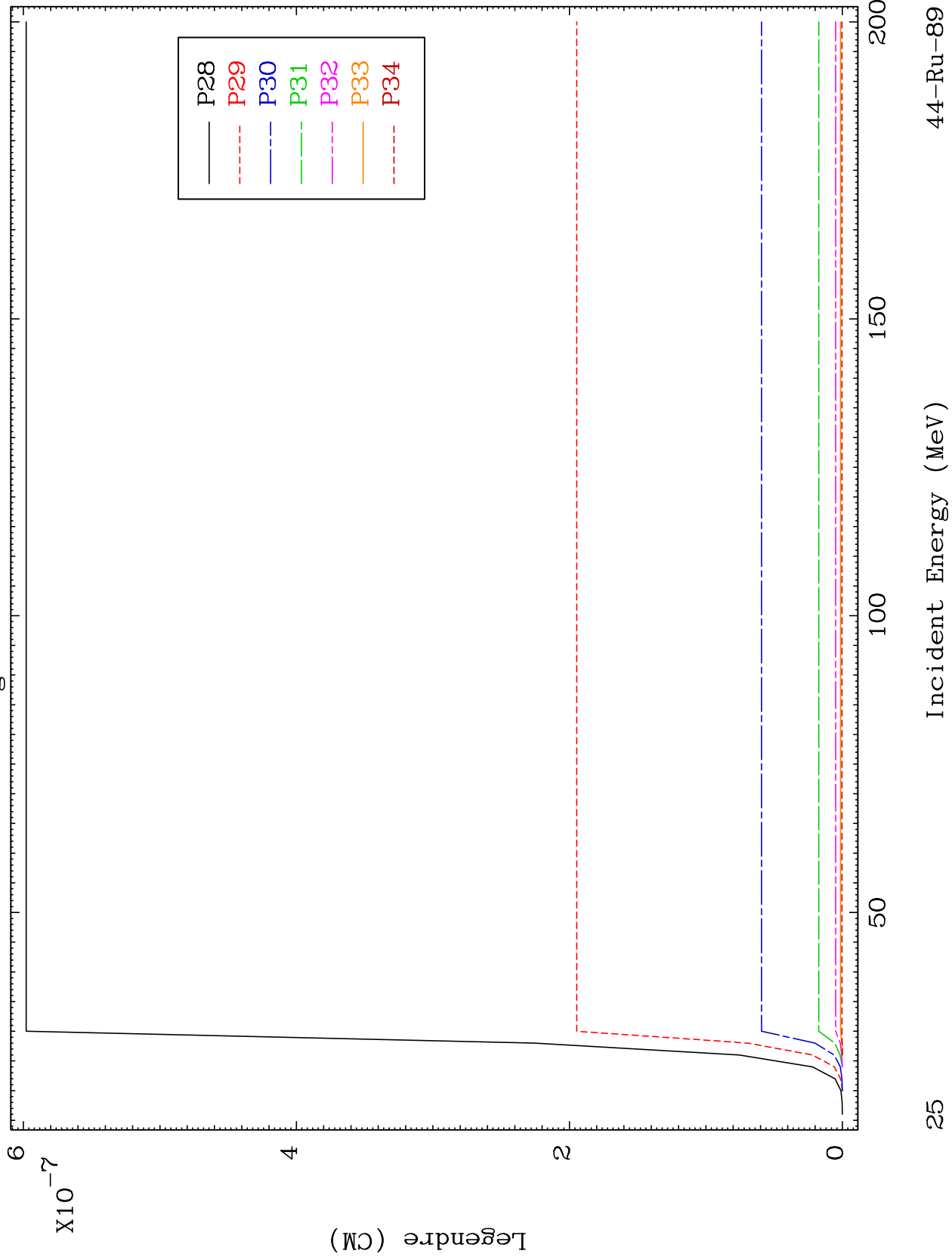
Incident Energy (MeV)

44-Ru-89

MAT 4404

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

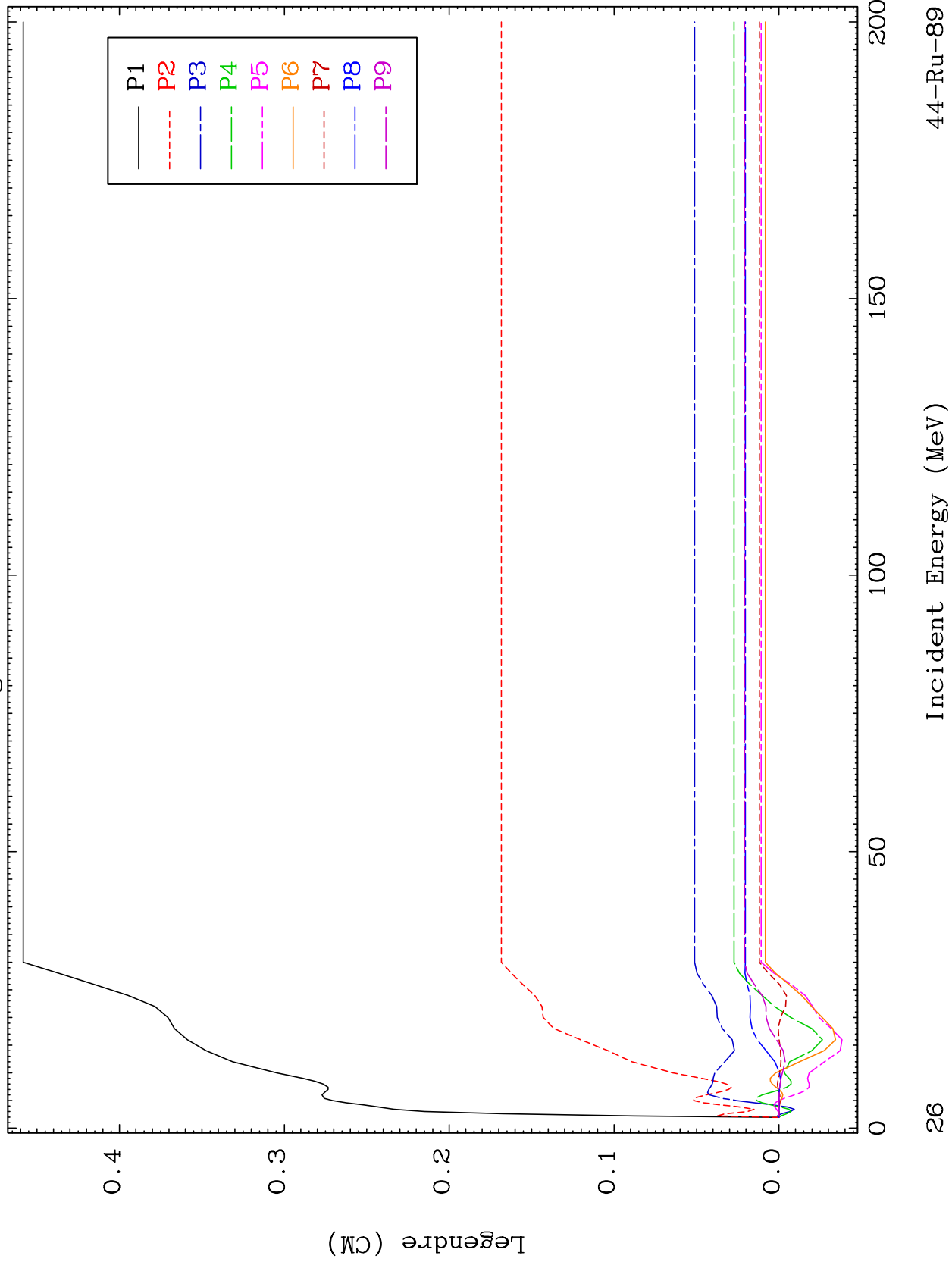
44-Ru-89



MAT 4404

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

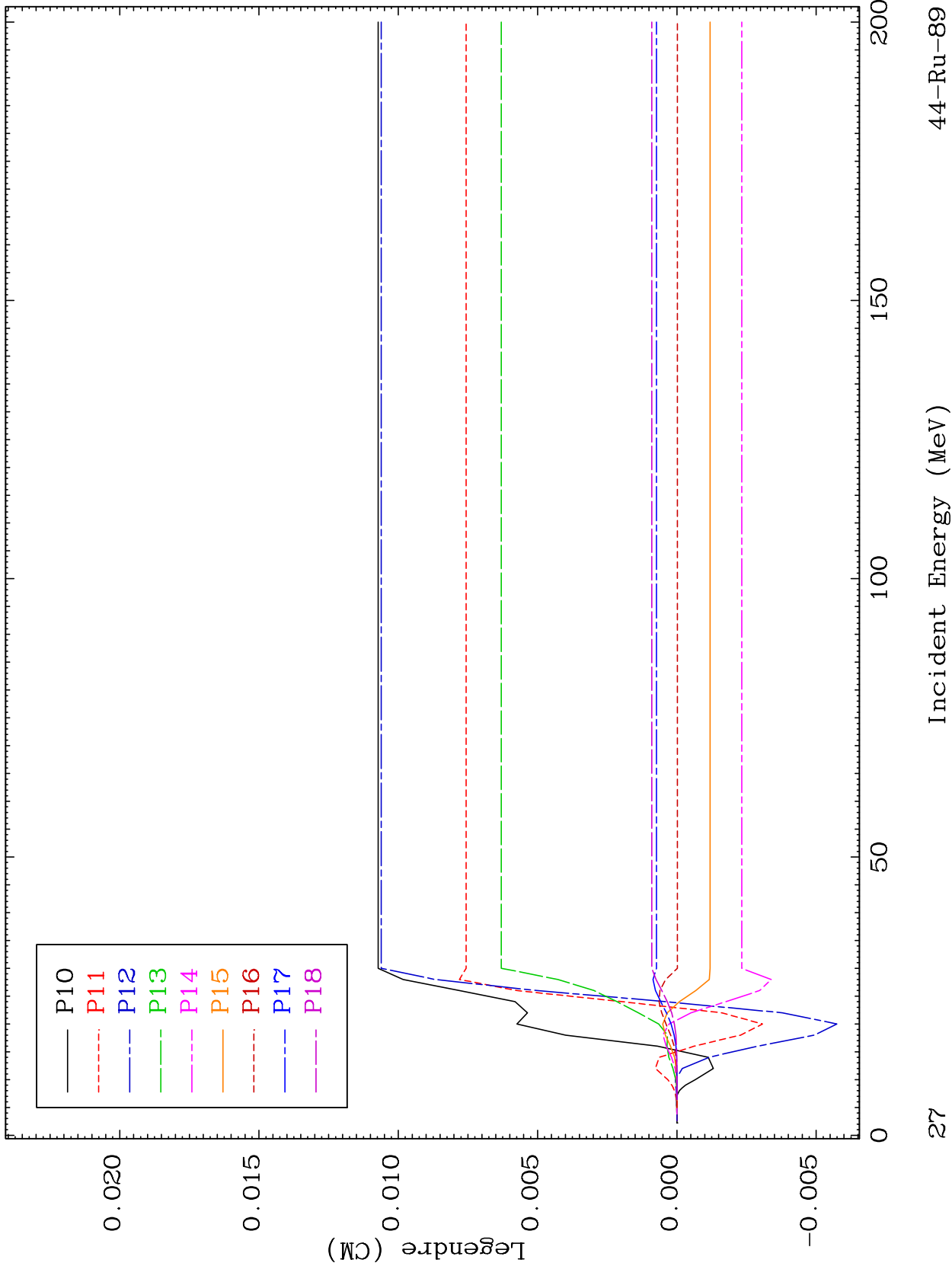
44-Ru-89



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Incident Energy (MeV)

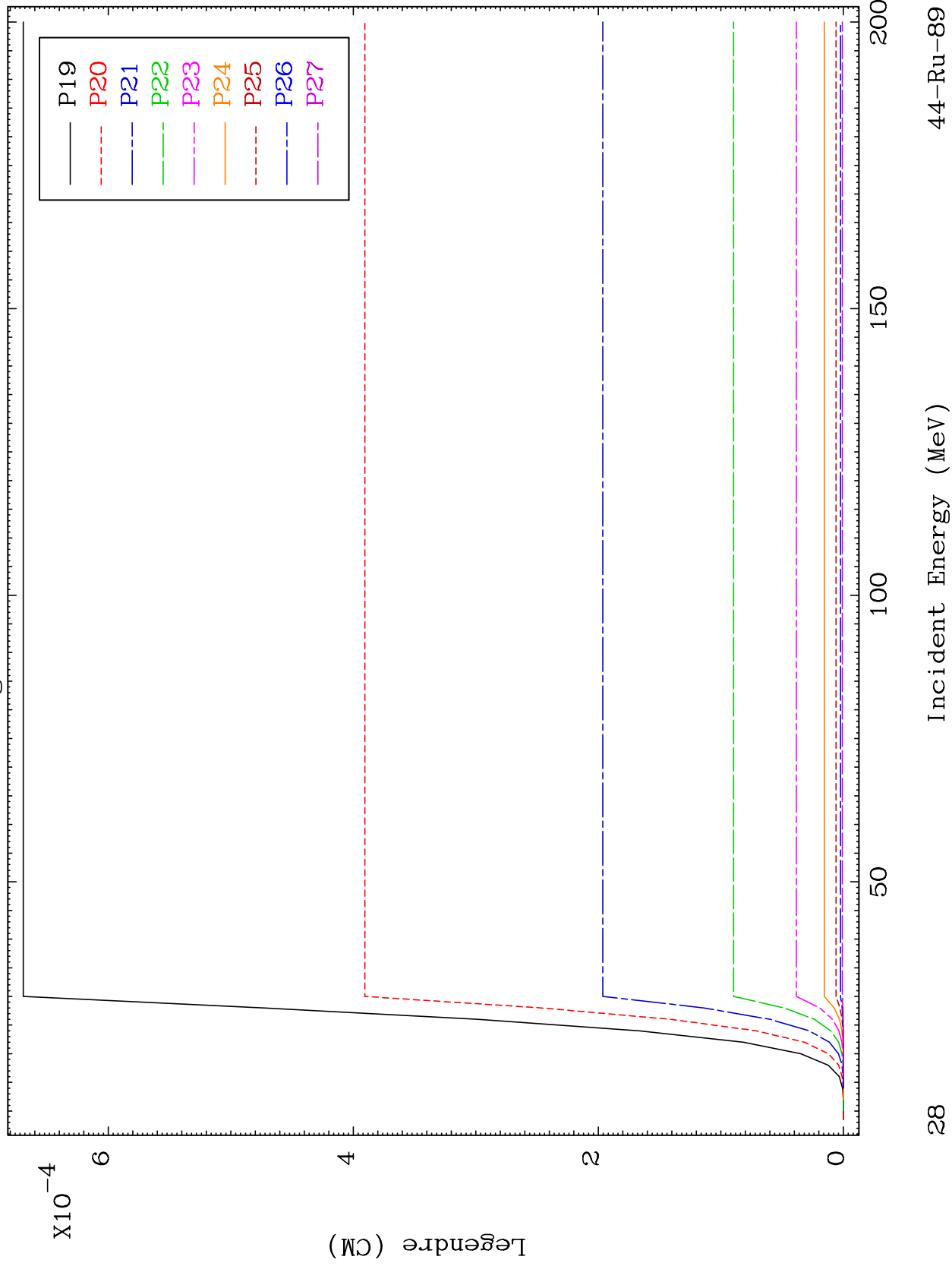
44-Ru-89



MAT 4404

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

44-Ru-89



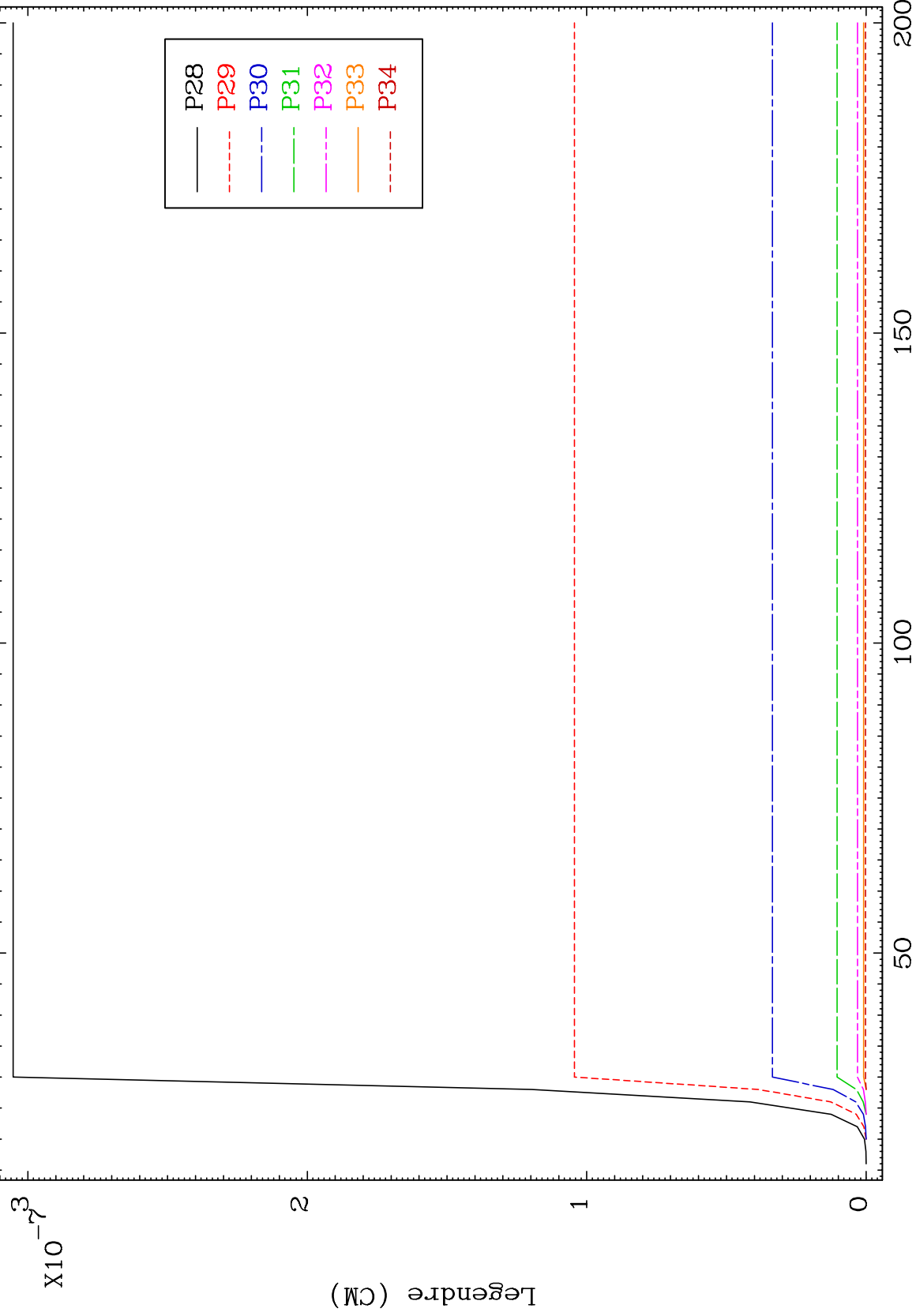
28

44-Ru-89

MAT 4404

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

44-Ru-89



29

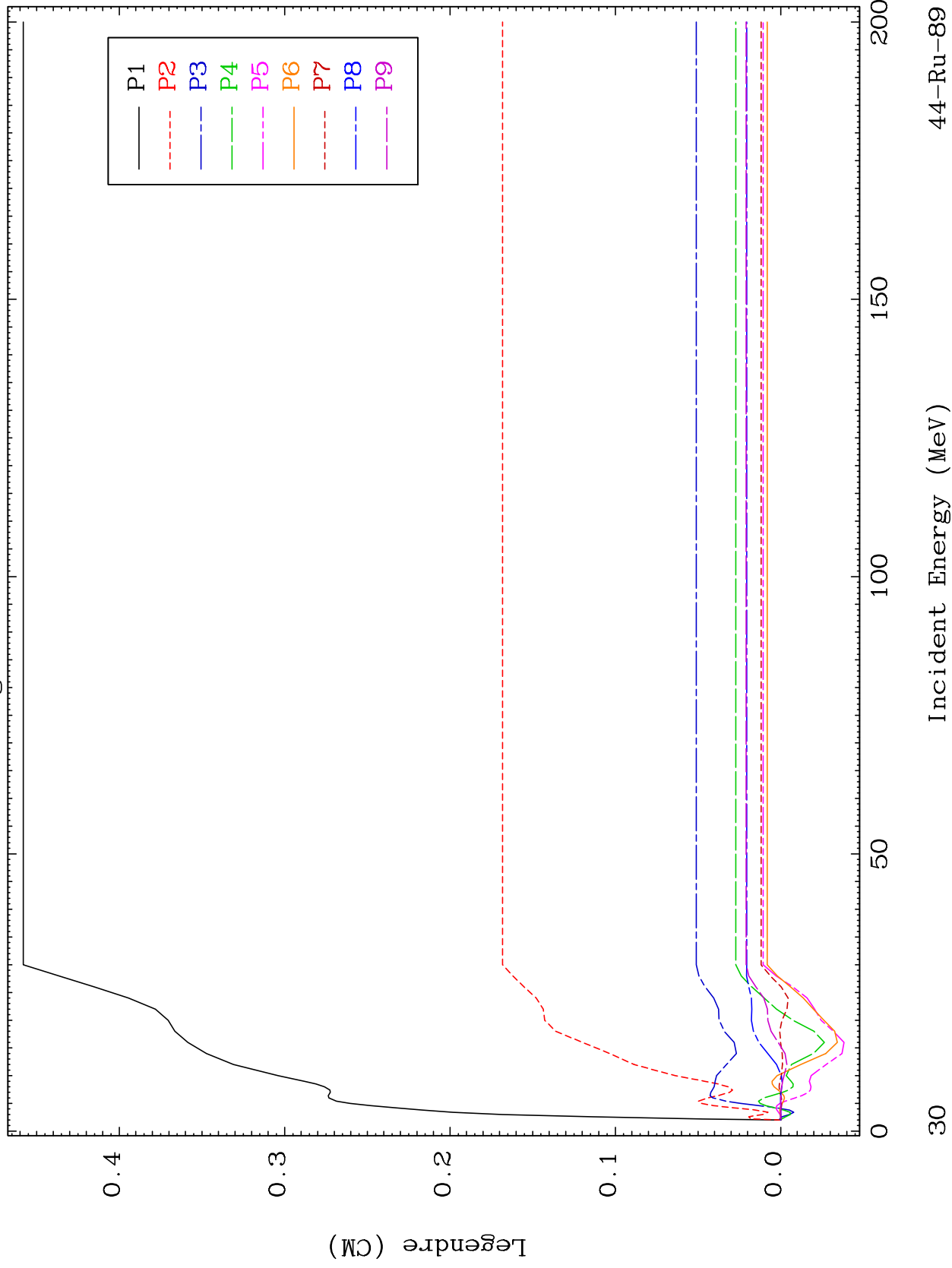
Incident Energy (MeV)

44-Ru-89

MAT 4404

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

44-Ru-89

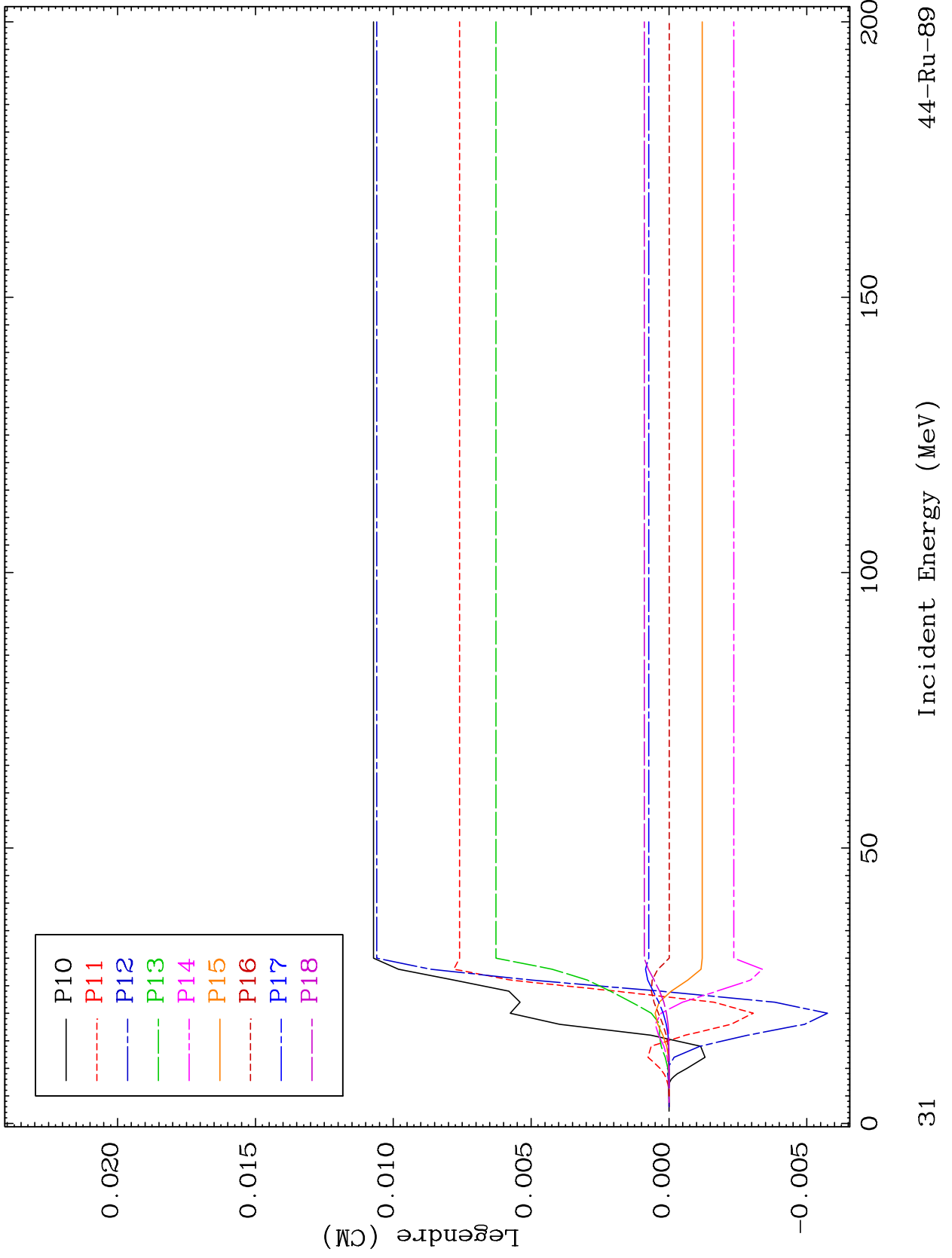


44-Ru-89

MAT 4404

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

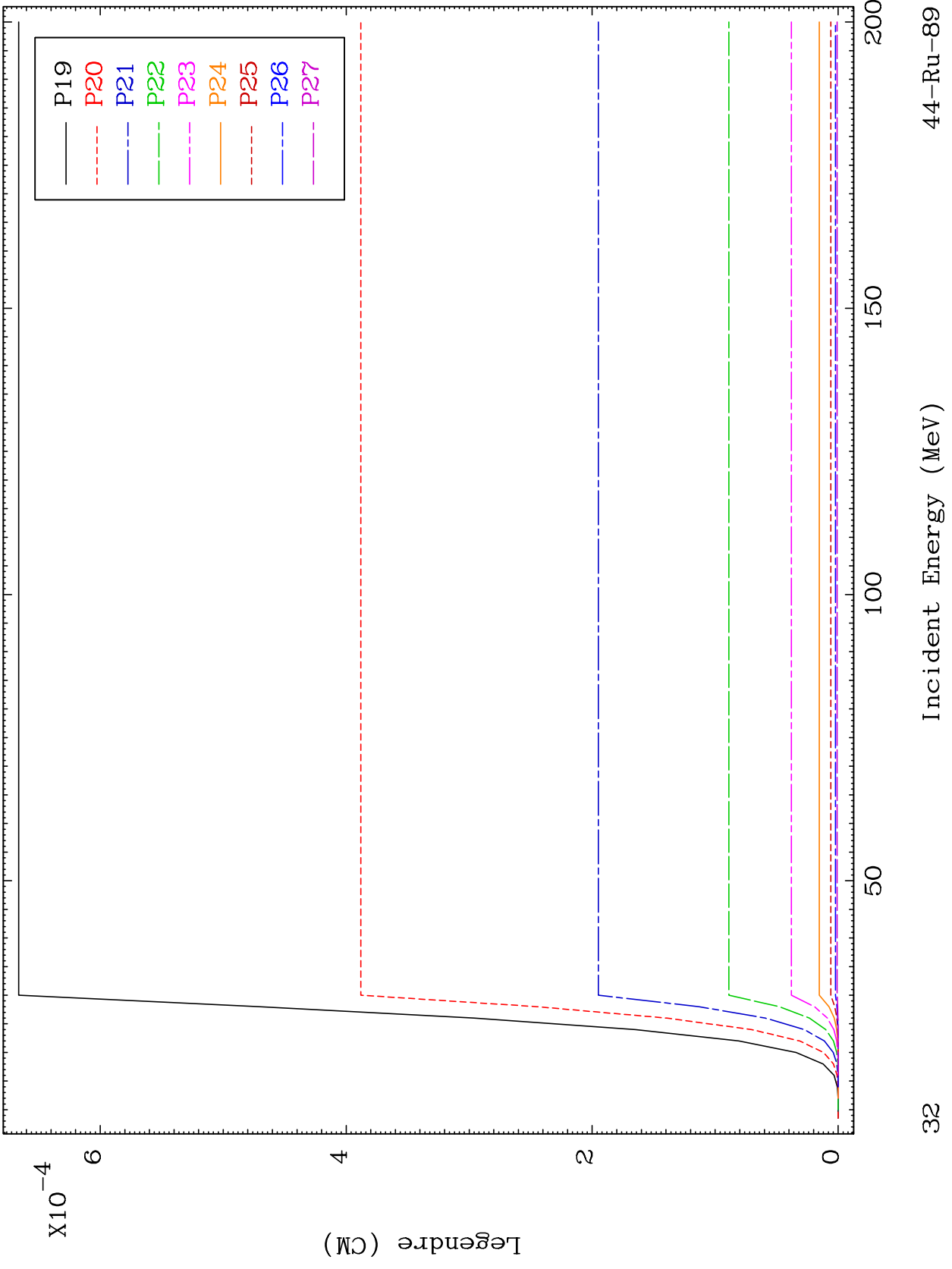
44-Ru-89



MAT 4404

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

44-Ru-89

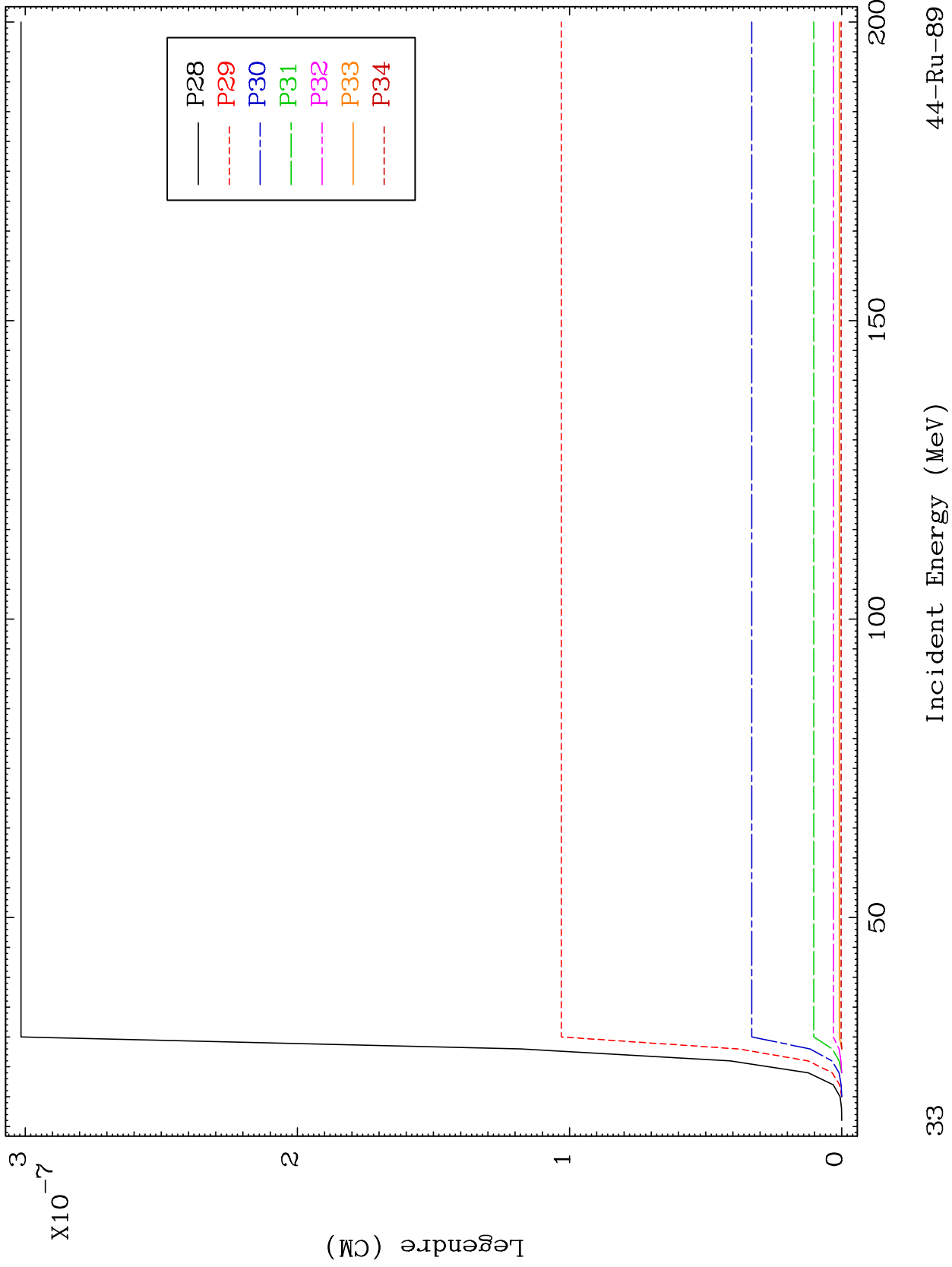


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MAT 4404

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

44-Ru-89

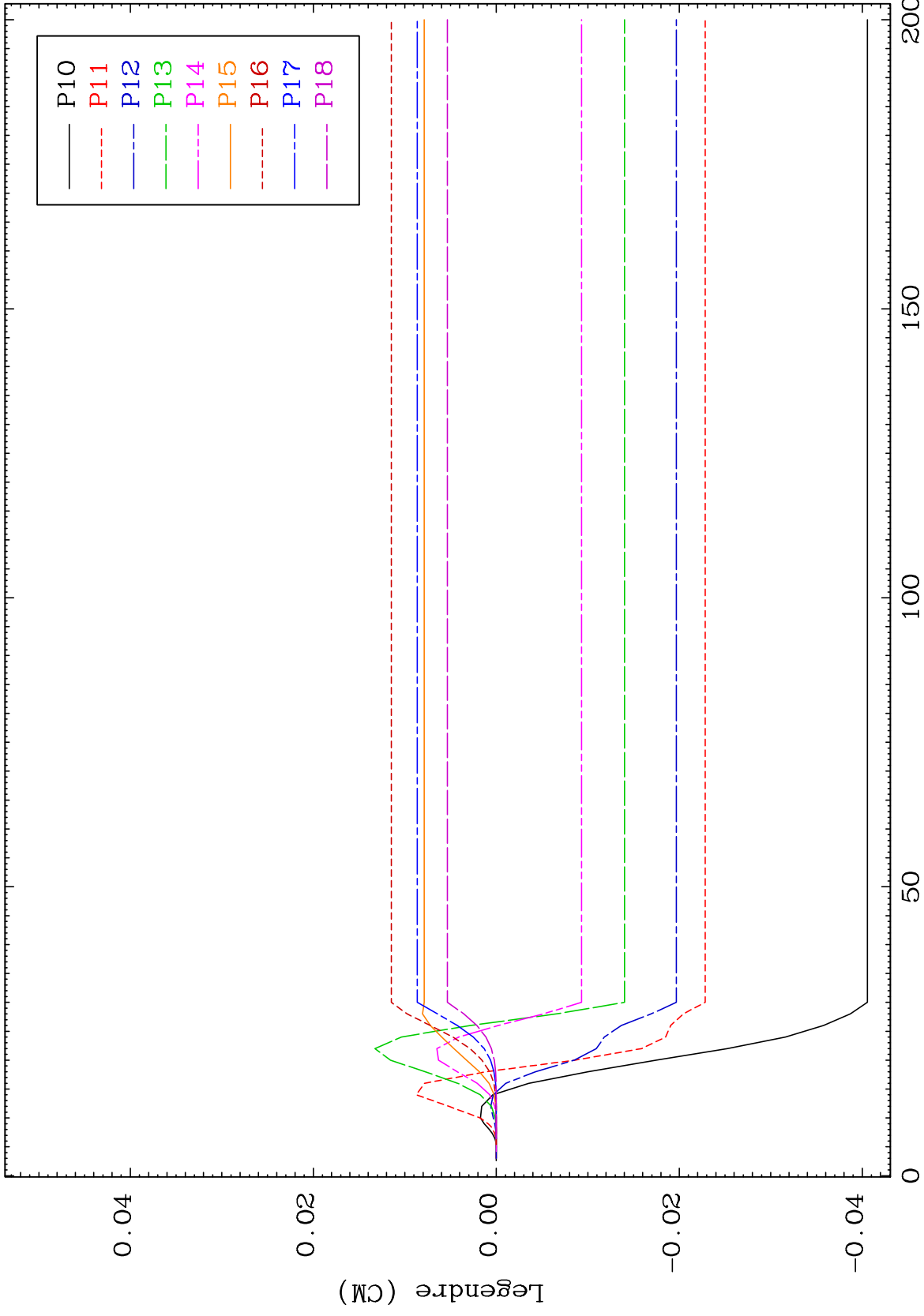




MAT 4404

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

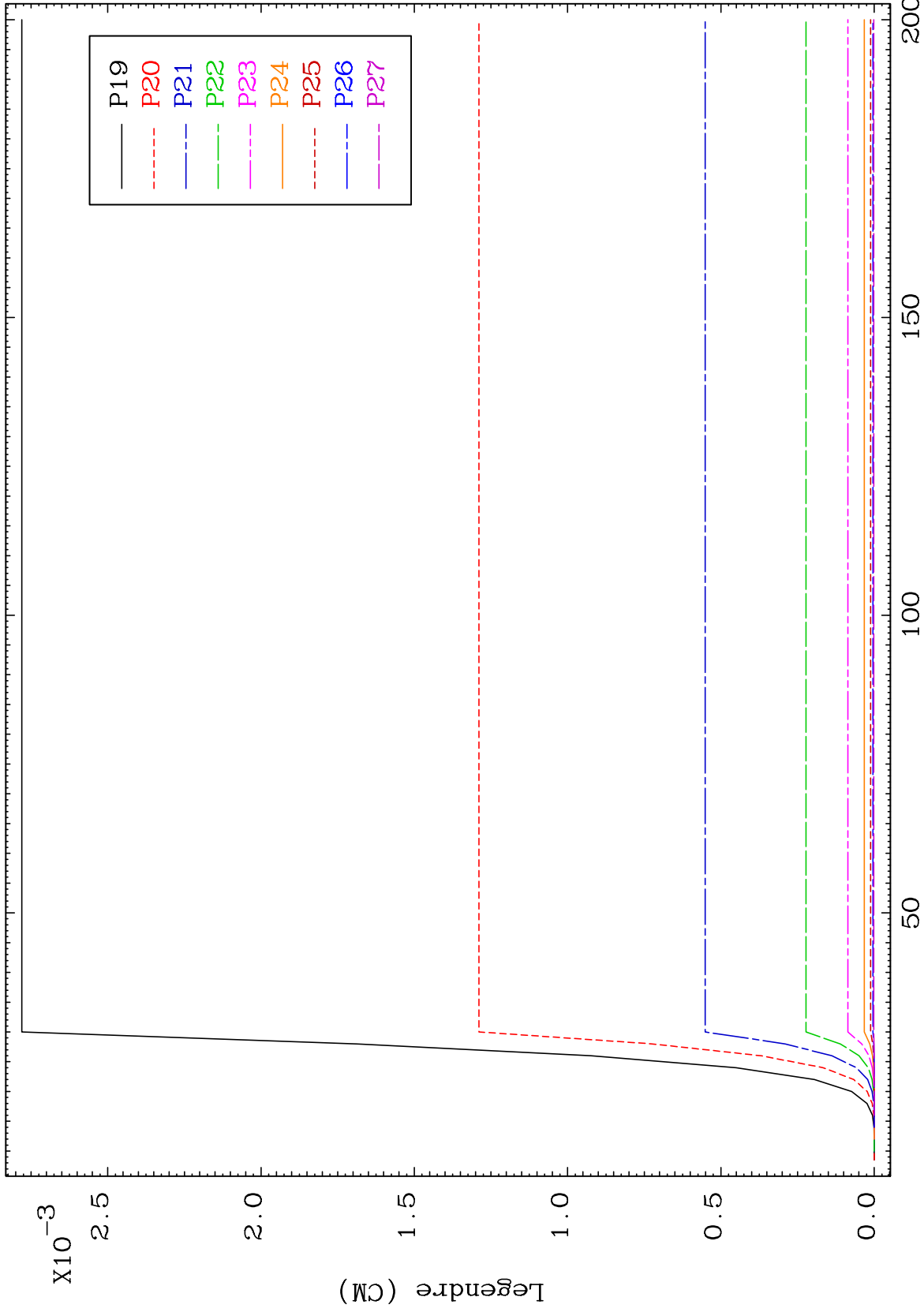
44-Ru-89



35

Incident Energy (MeV)

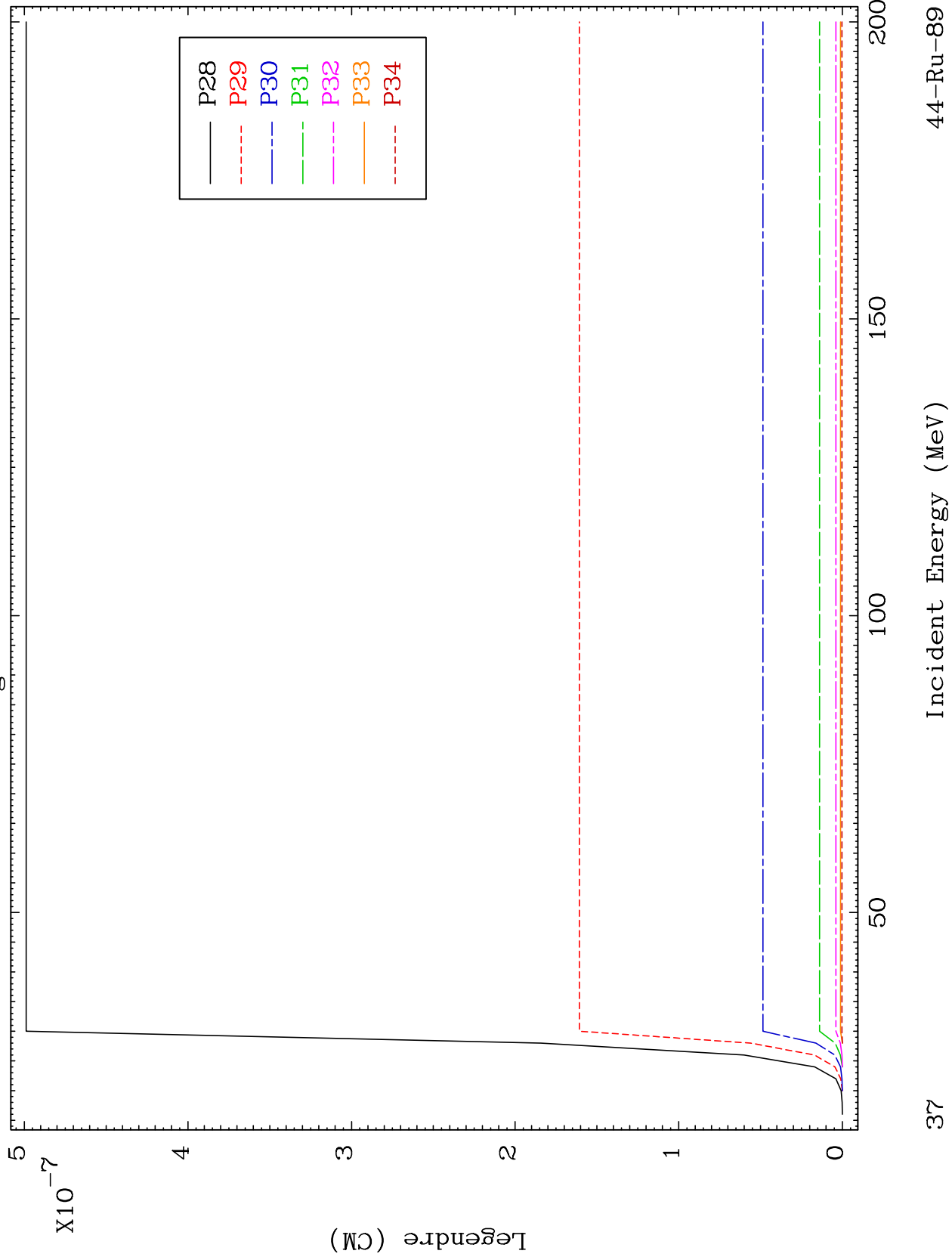
44-Ru-89



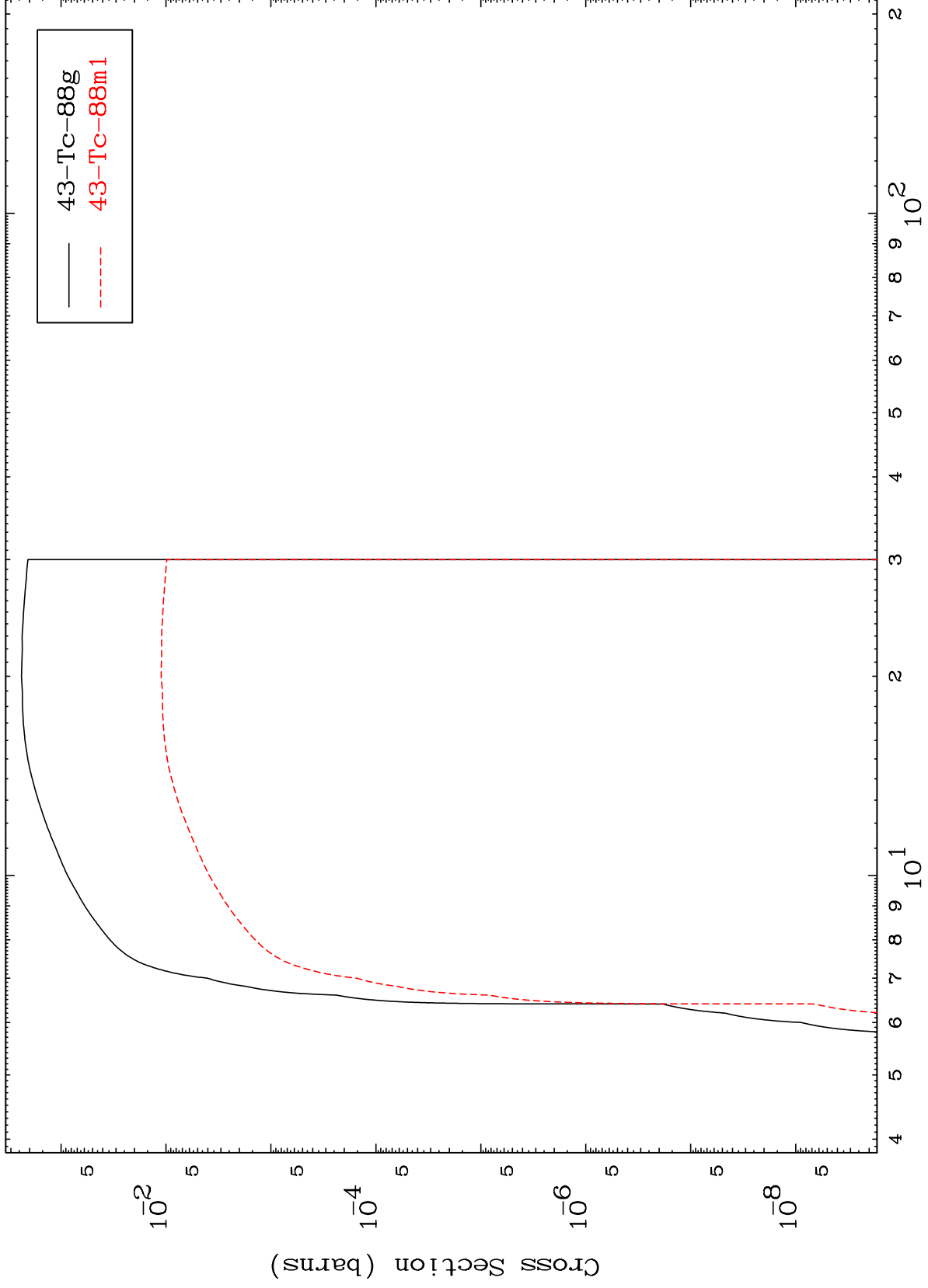
MAT 4404

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

44-Ru-89



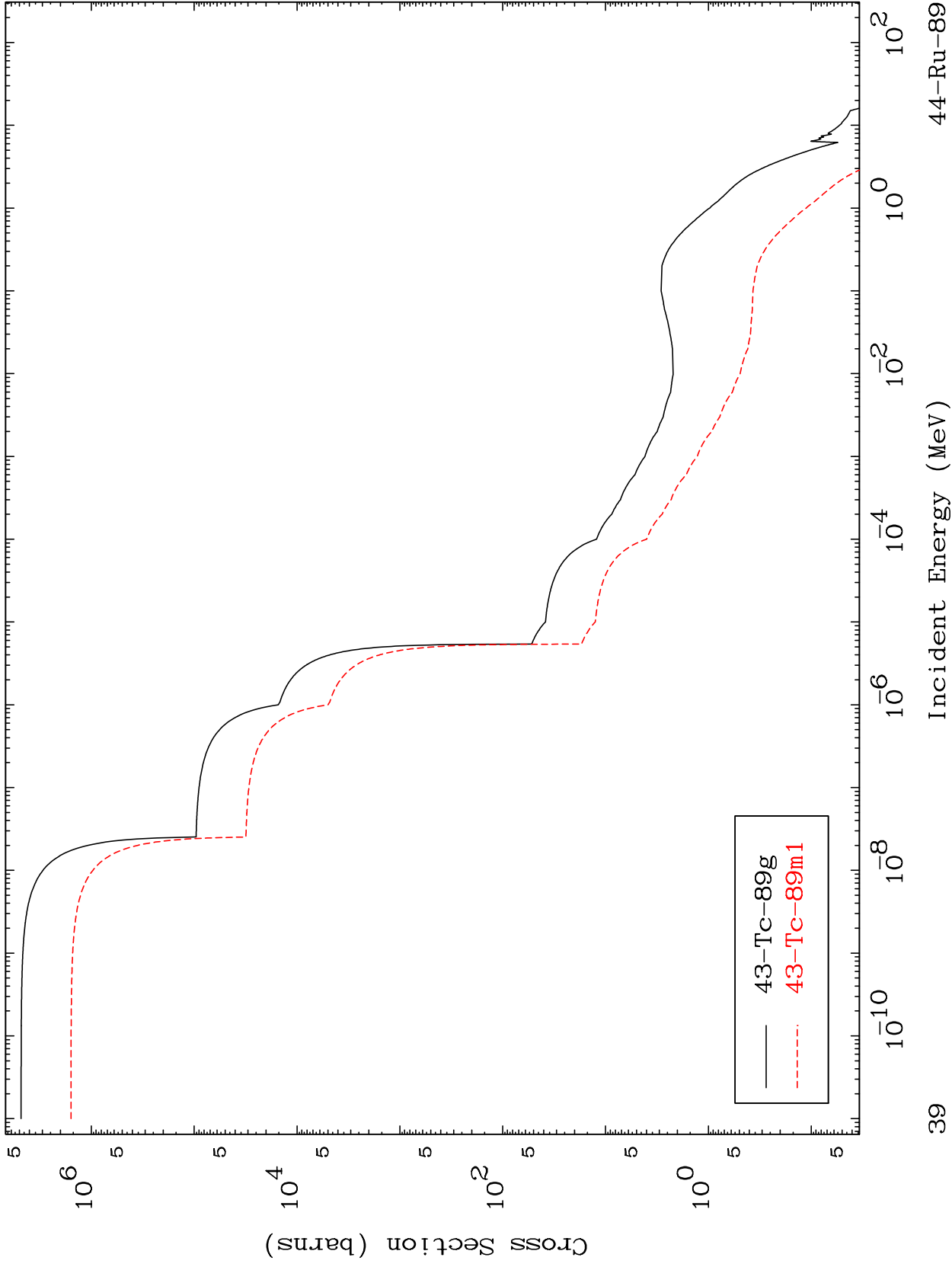
(n,n') p  
Radionuclide Production Cross Section



MAT 4404

44-Ru-89

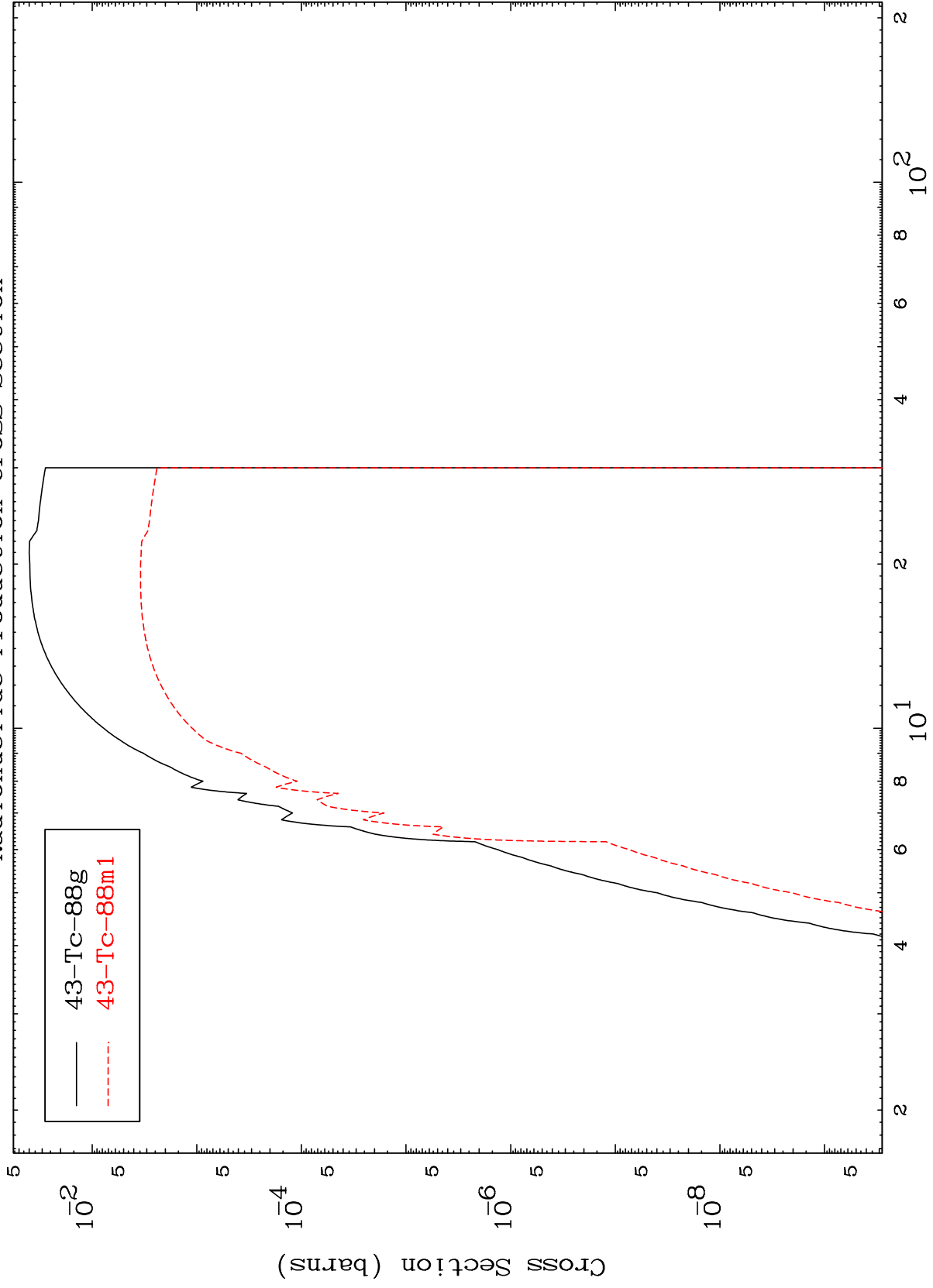
(n,p)  
Radionuclide Production Cross Section



MAT 4404

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(n,d)  
Radionuclide Production Cross Section



40

Incident Energy (MeV)

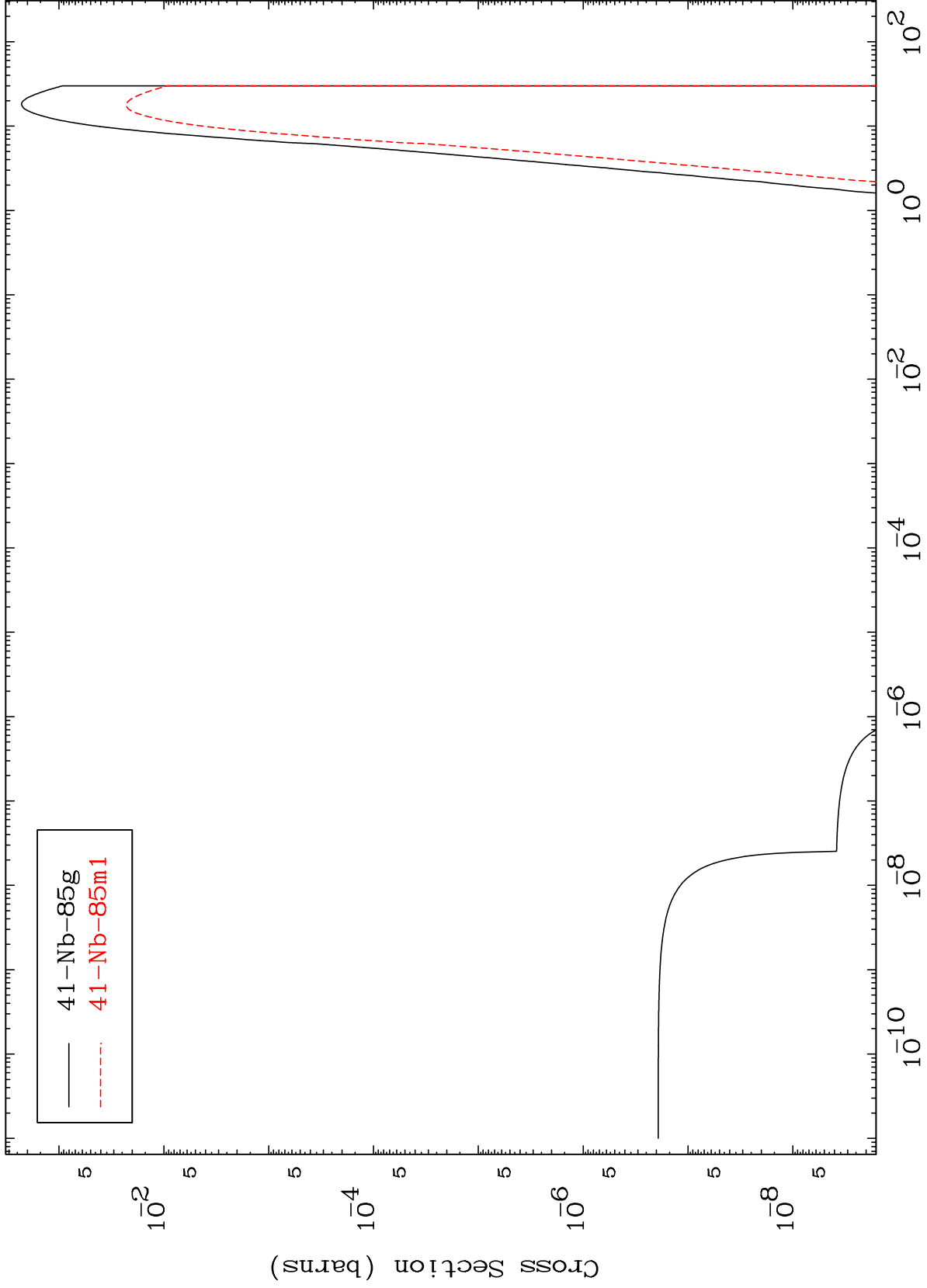
44-Ru-89

MAT 4404

(n,p)  $\alpha$

44-Ru-89

Radionuclide Production Cross Section



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Incident Energy (MeV)

44-Ru-89