

Program EVALPLOT  
(Version 2021-1)

by

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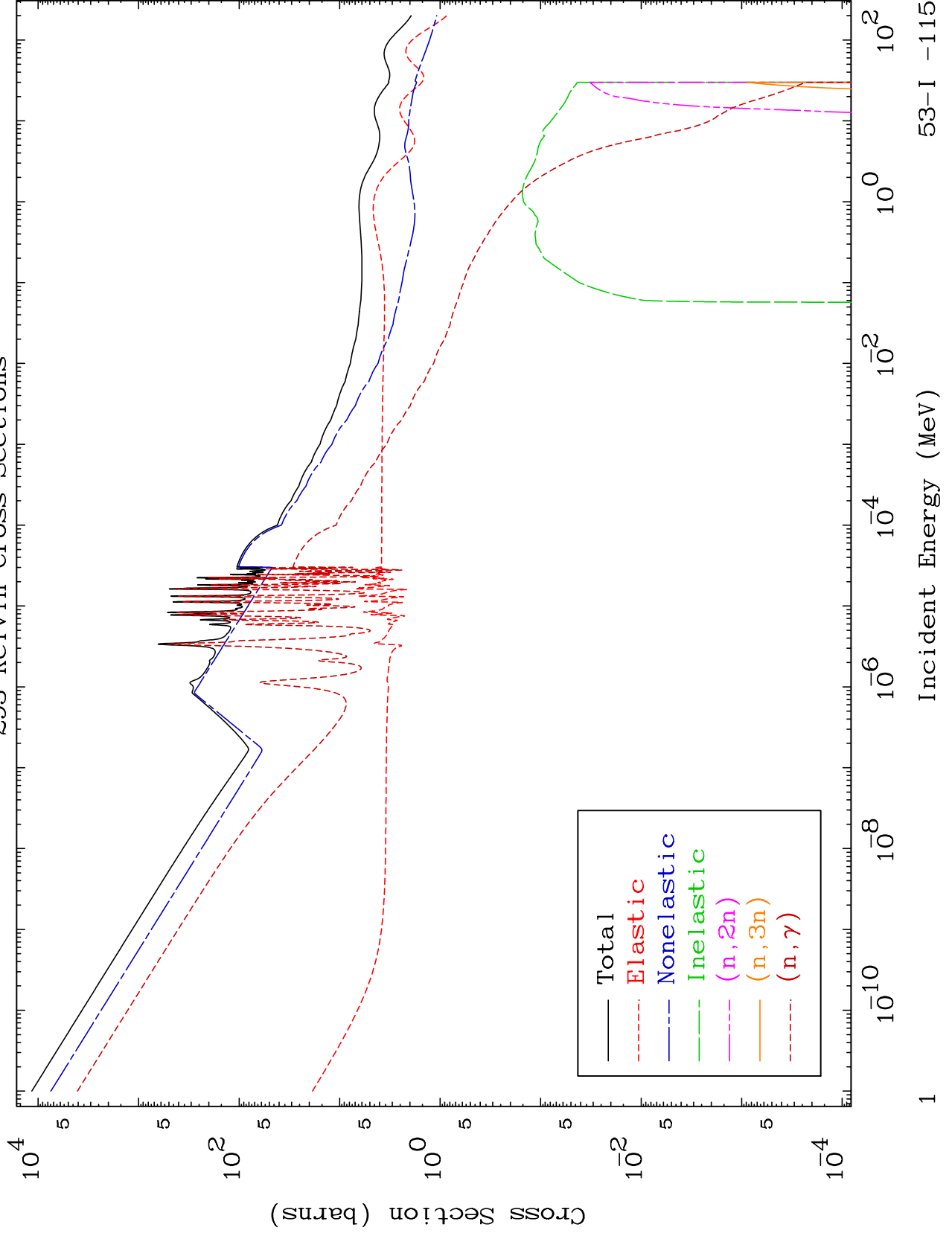
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 5289

Neutron Major  
293 Kelvin Cross Sections

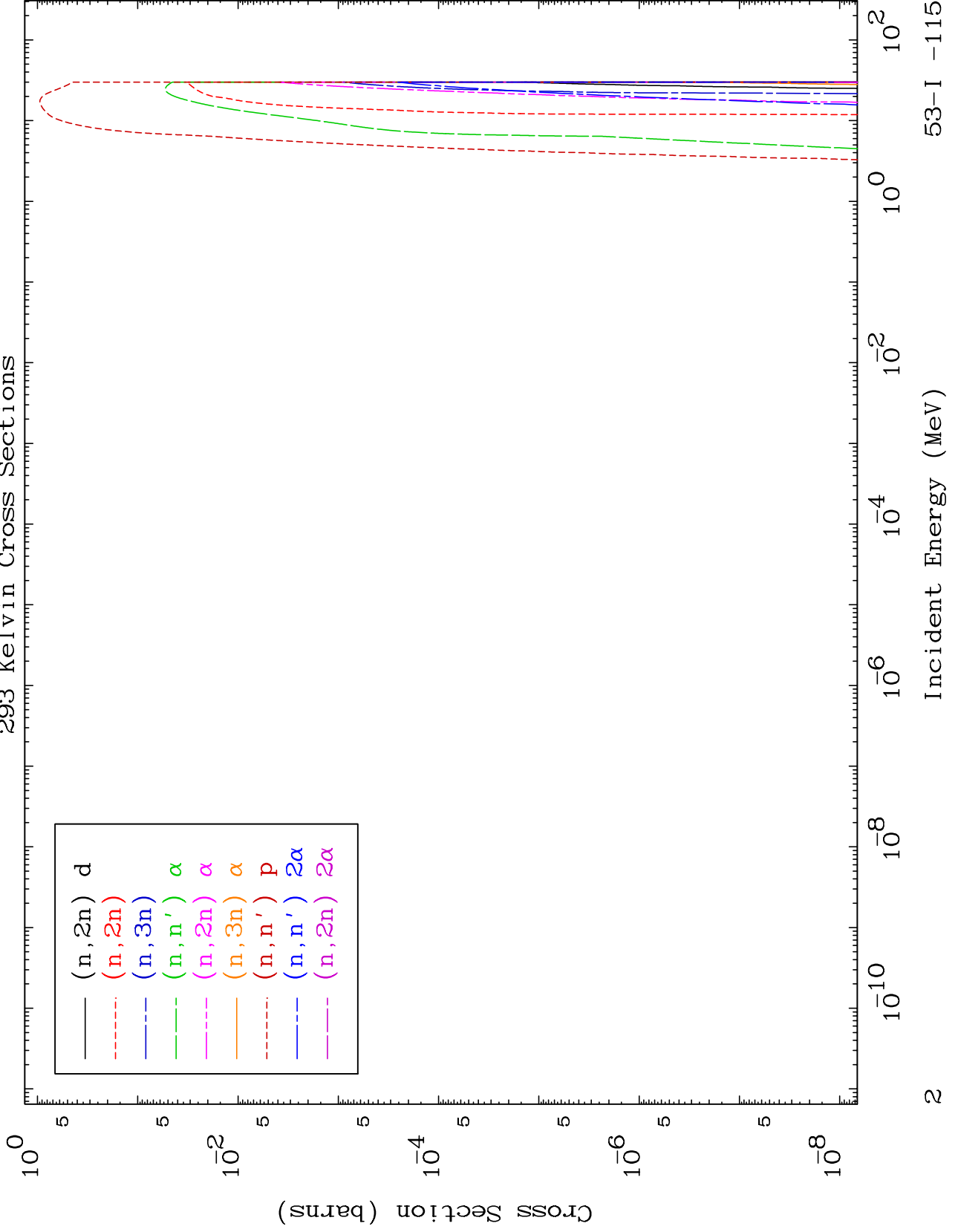
53-I -115

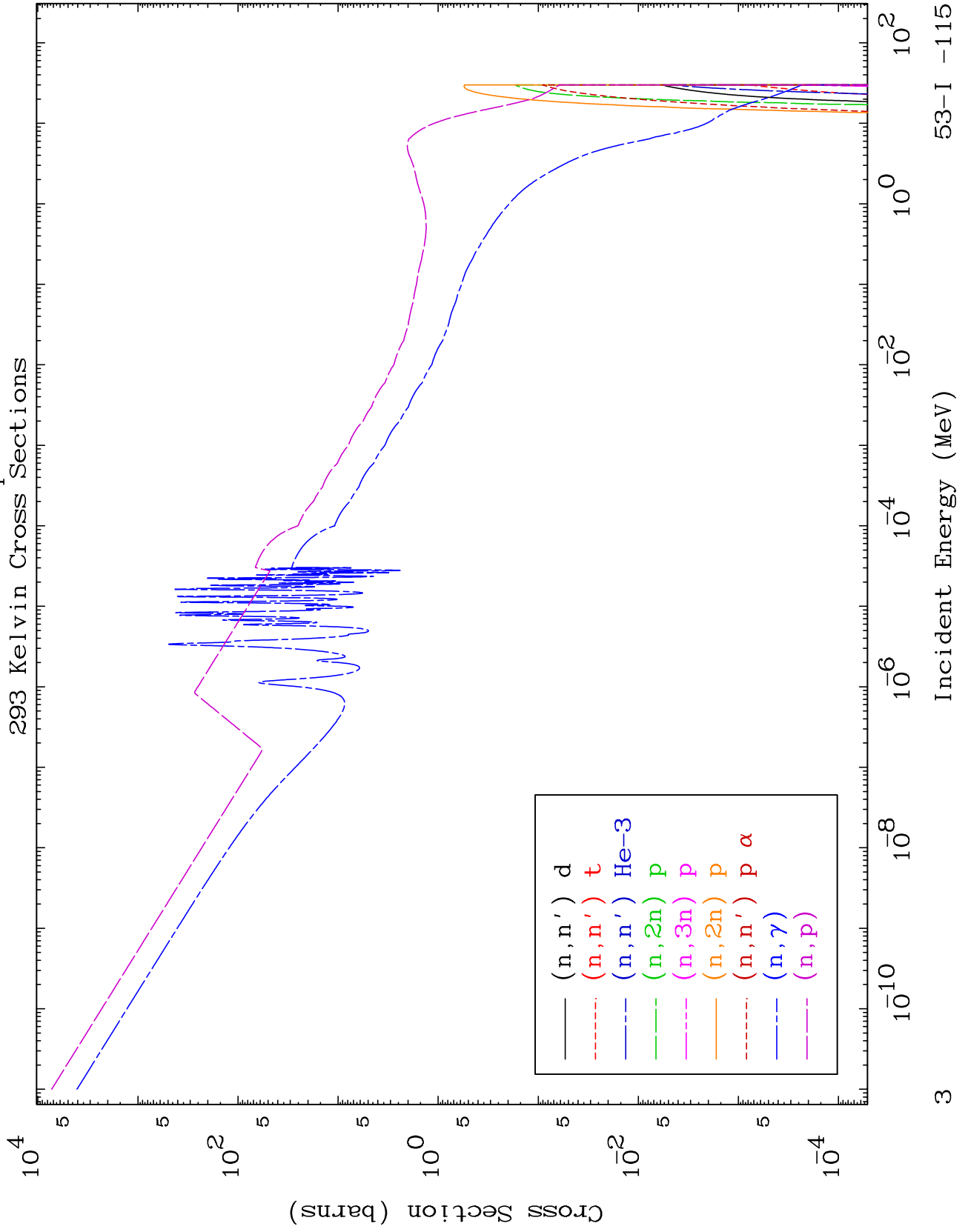


MAT 5289

Neutron Absorption  
293 Kelvin Cross Sections

53-I -115

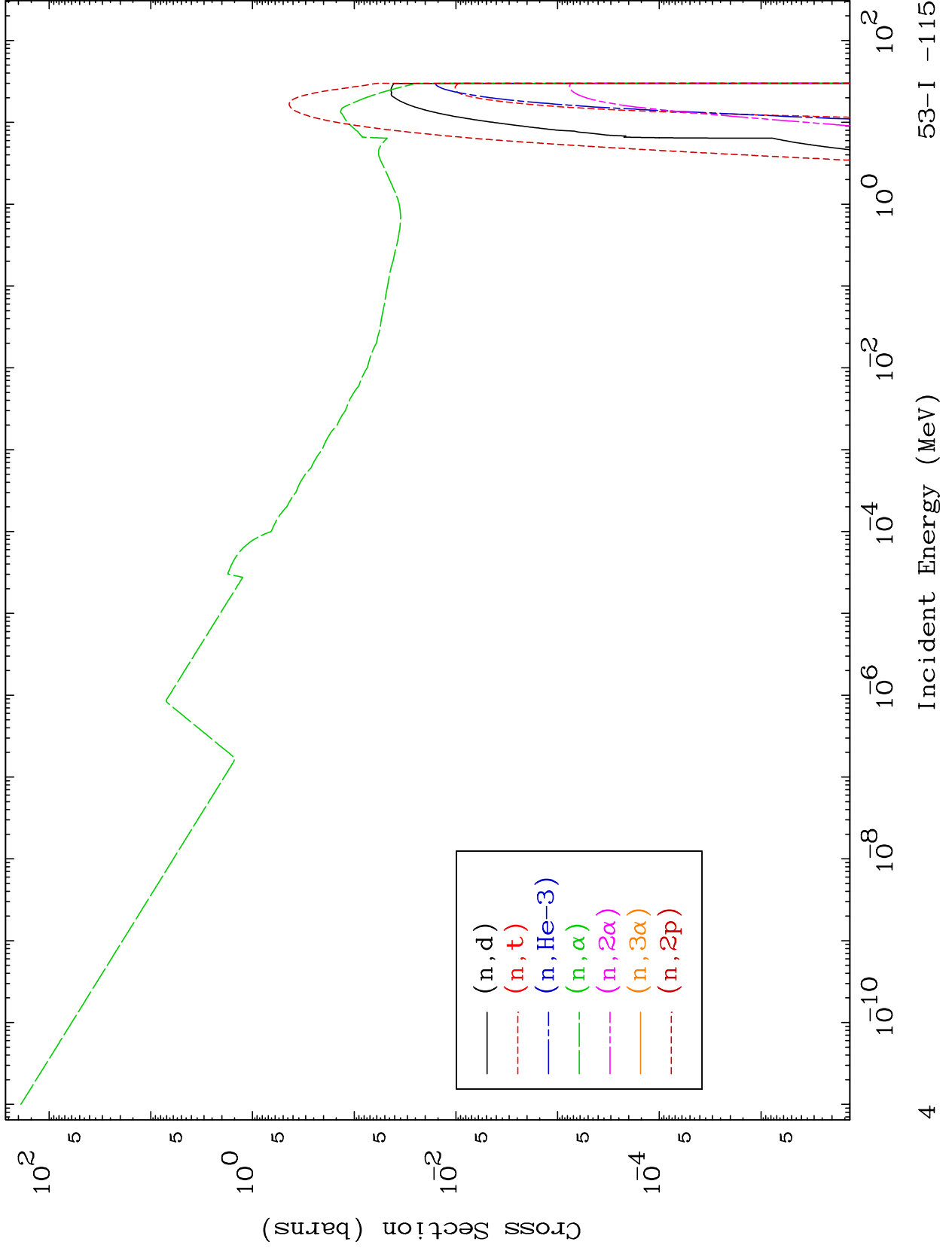


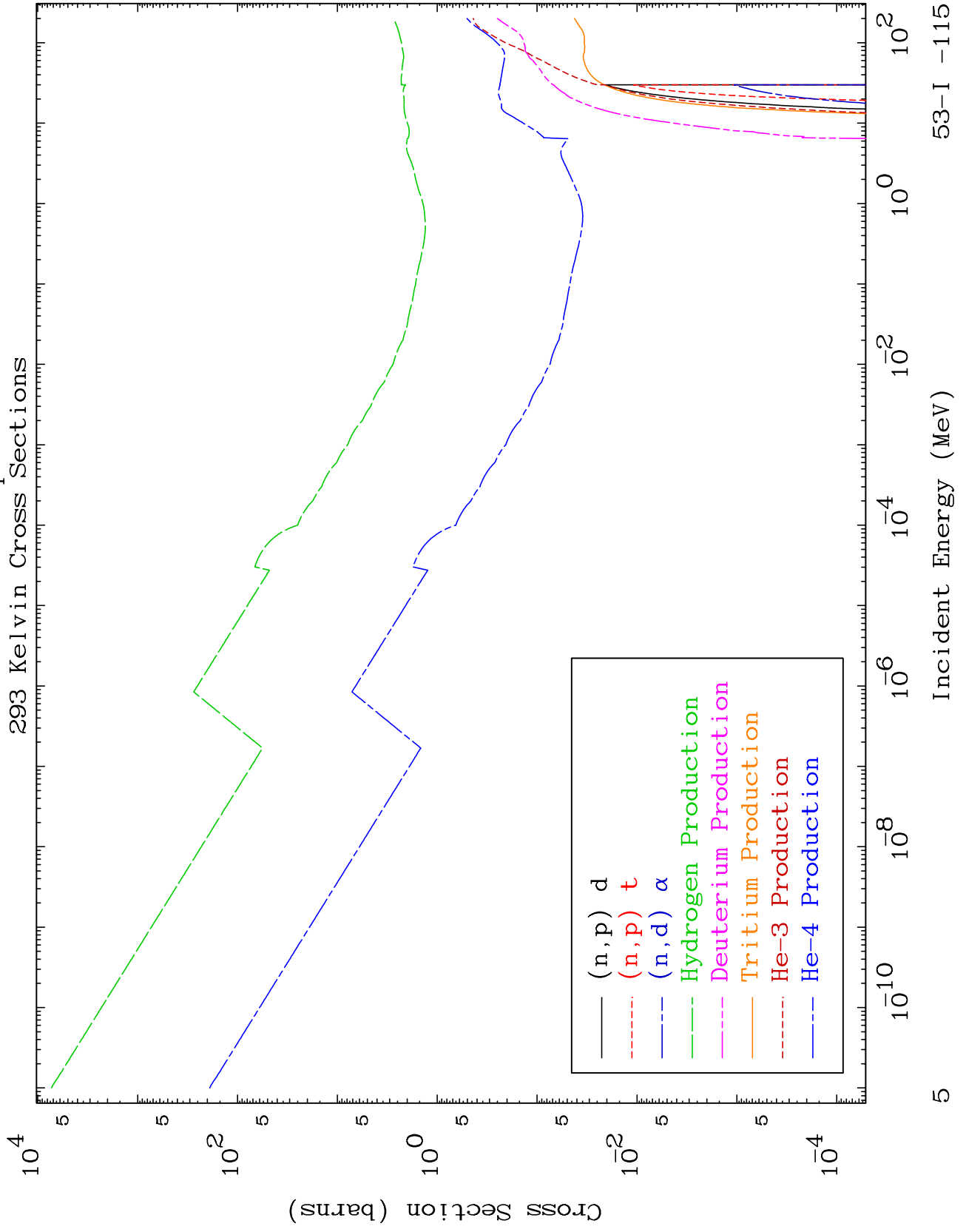


MAT 5289

Neutron Absorption  
293 Kelvin Cross Sections

53-I -115

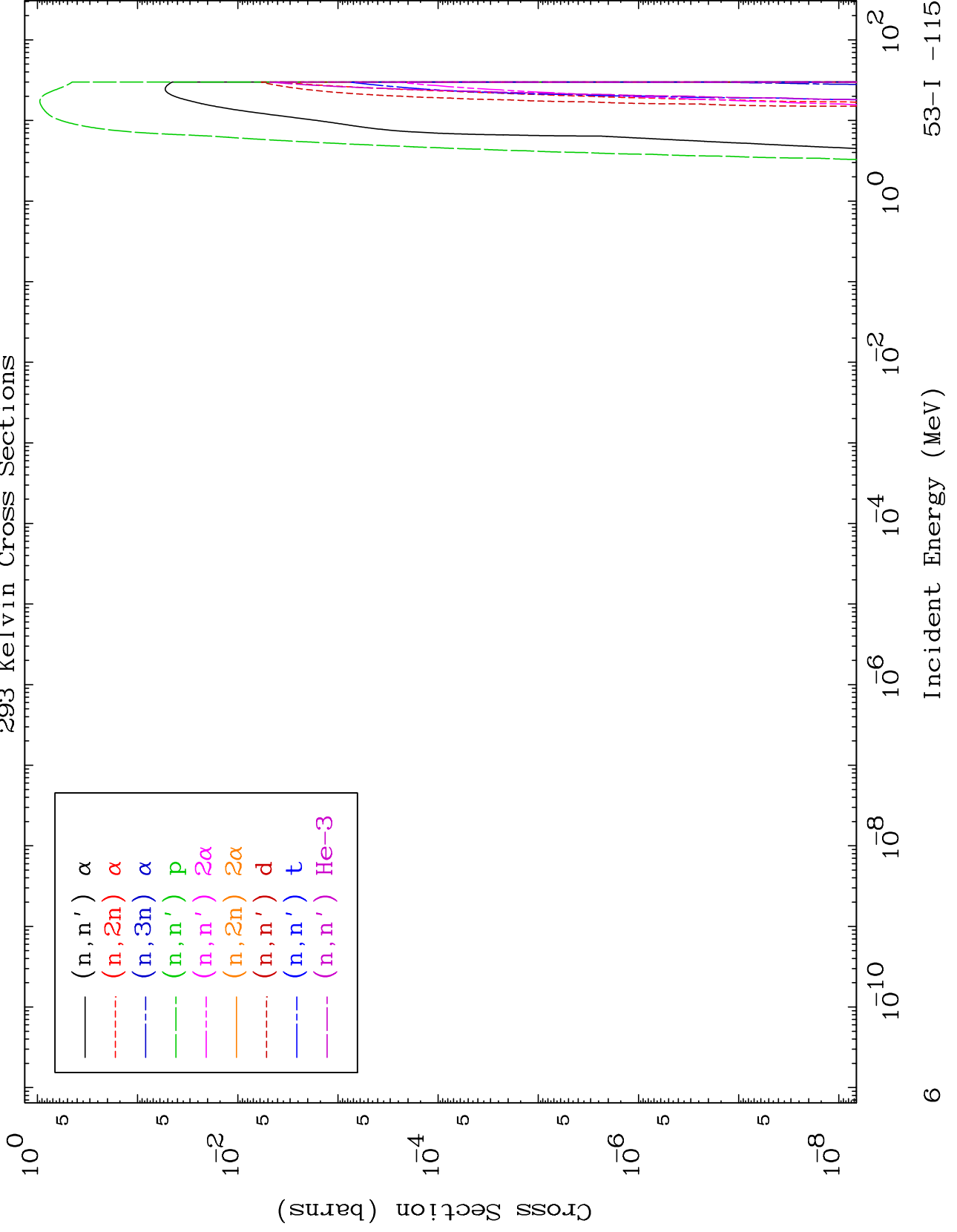


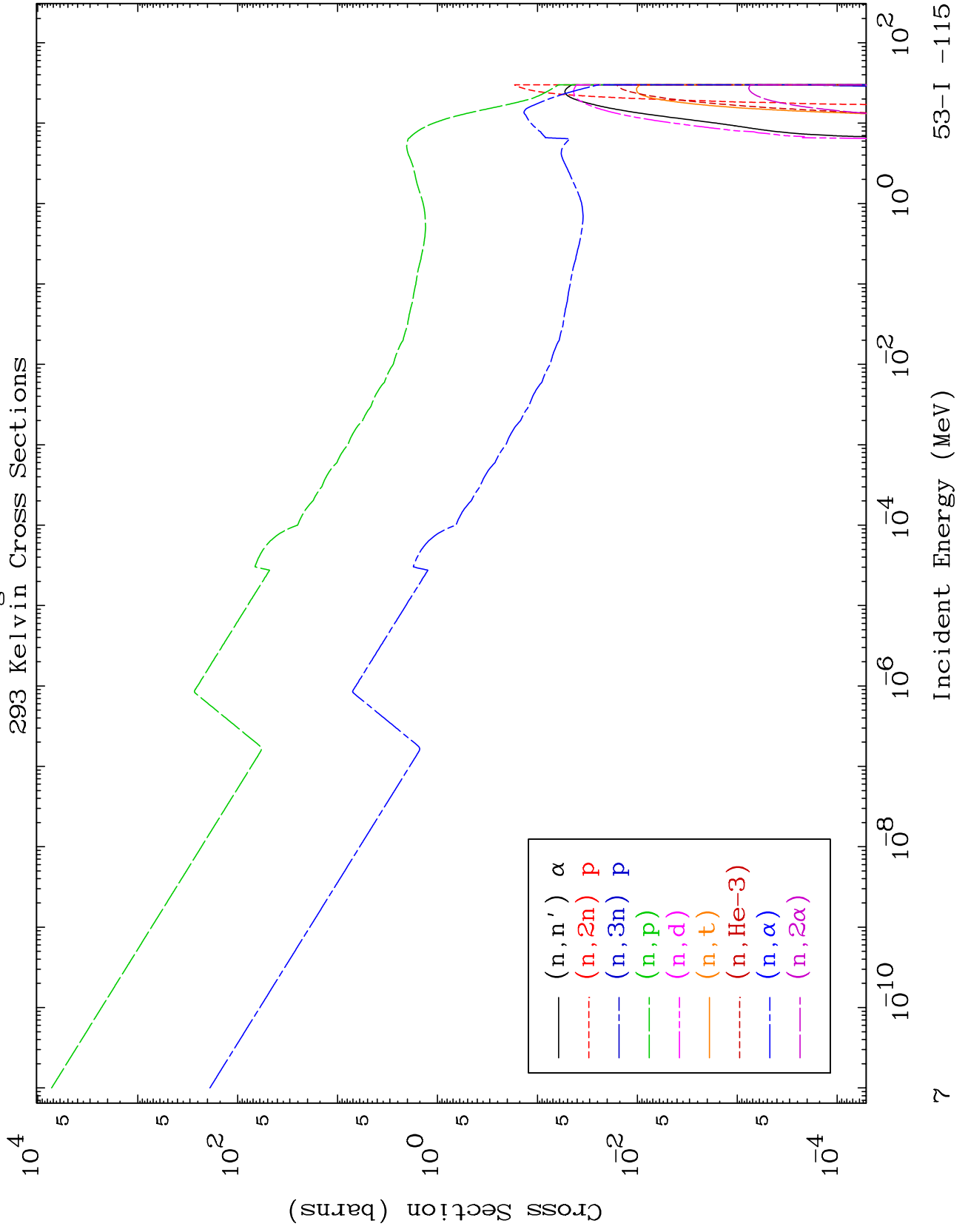


MAT 5289

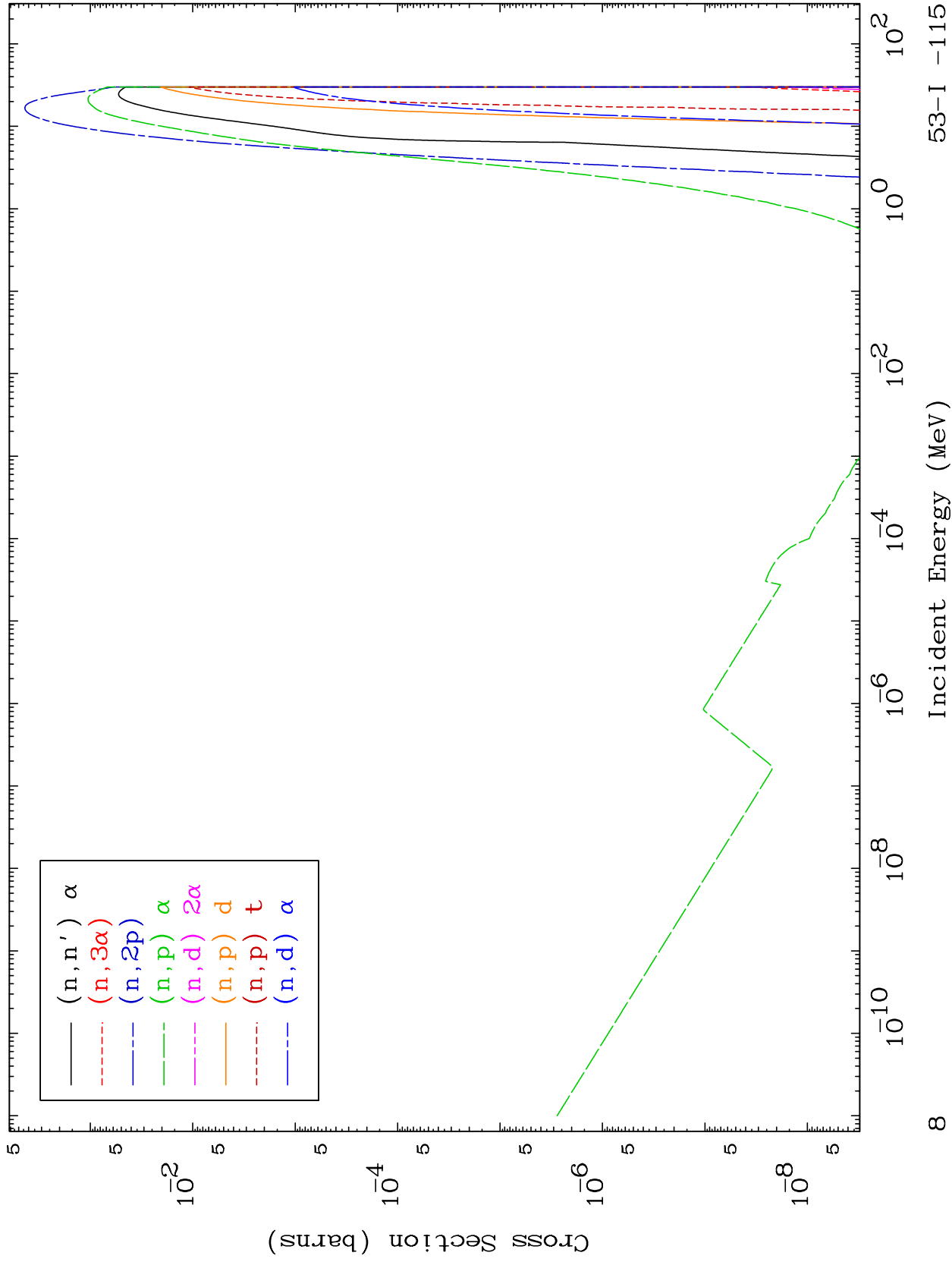
Charged Particle  
293 Kelvin Cross Sections

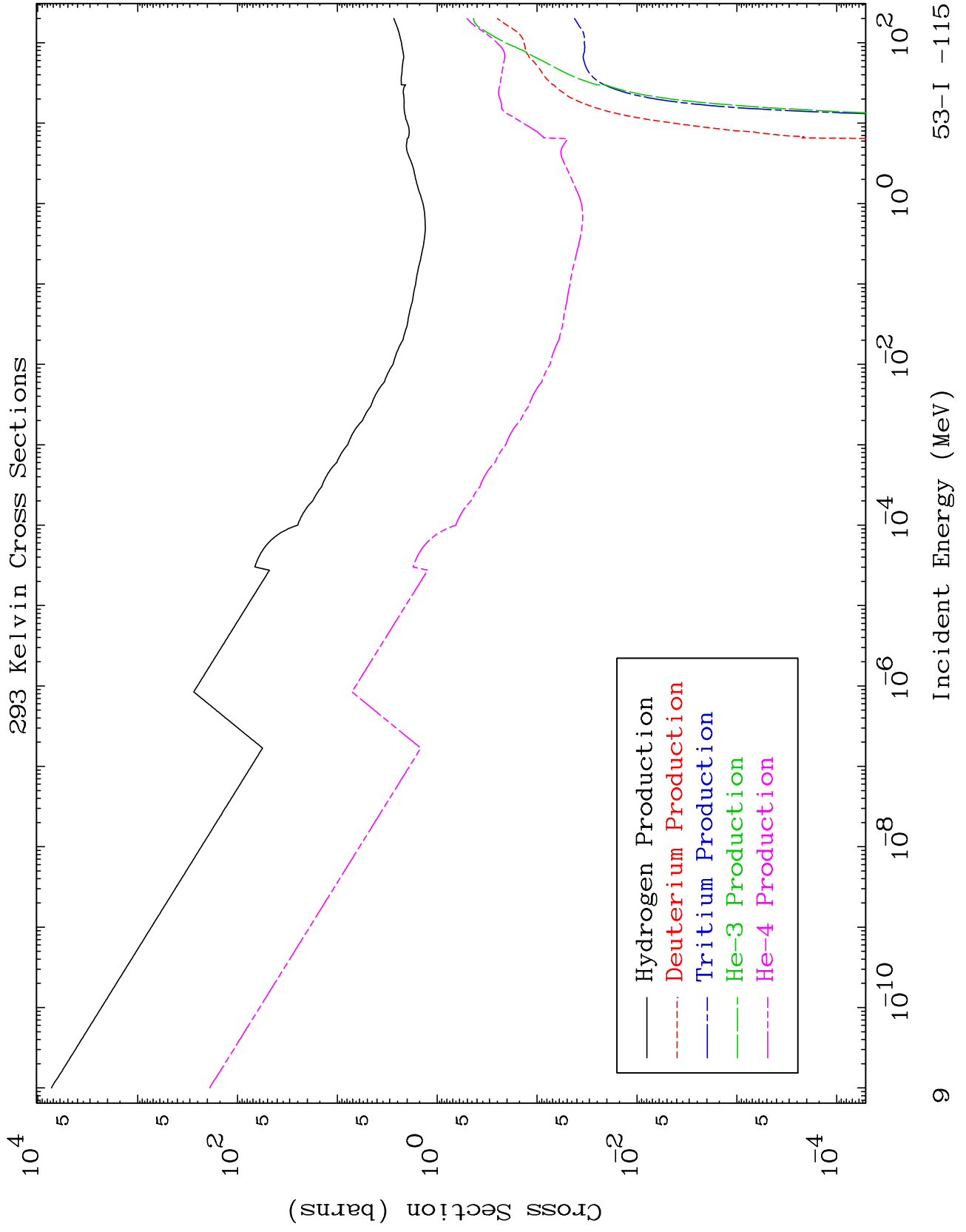
53-I -115







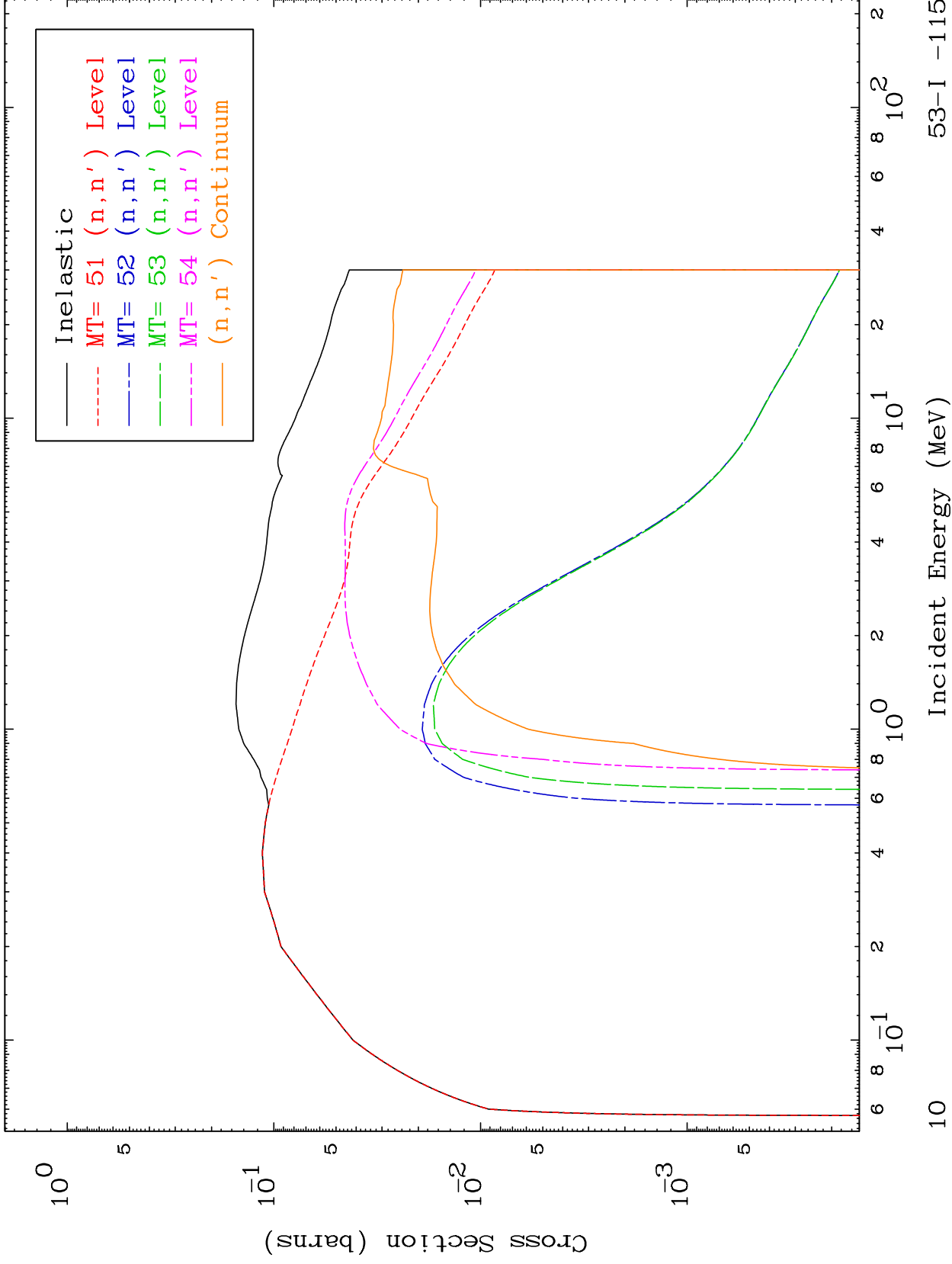




MAT 5289

(n,n') Levels  
293 Kelvin Cross Sections

53-I -115



10

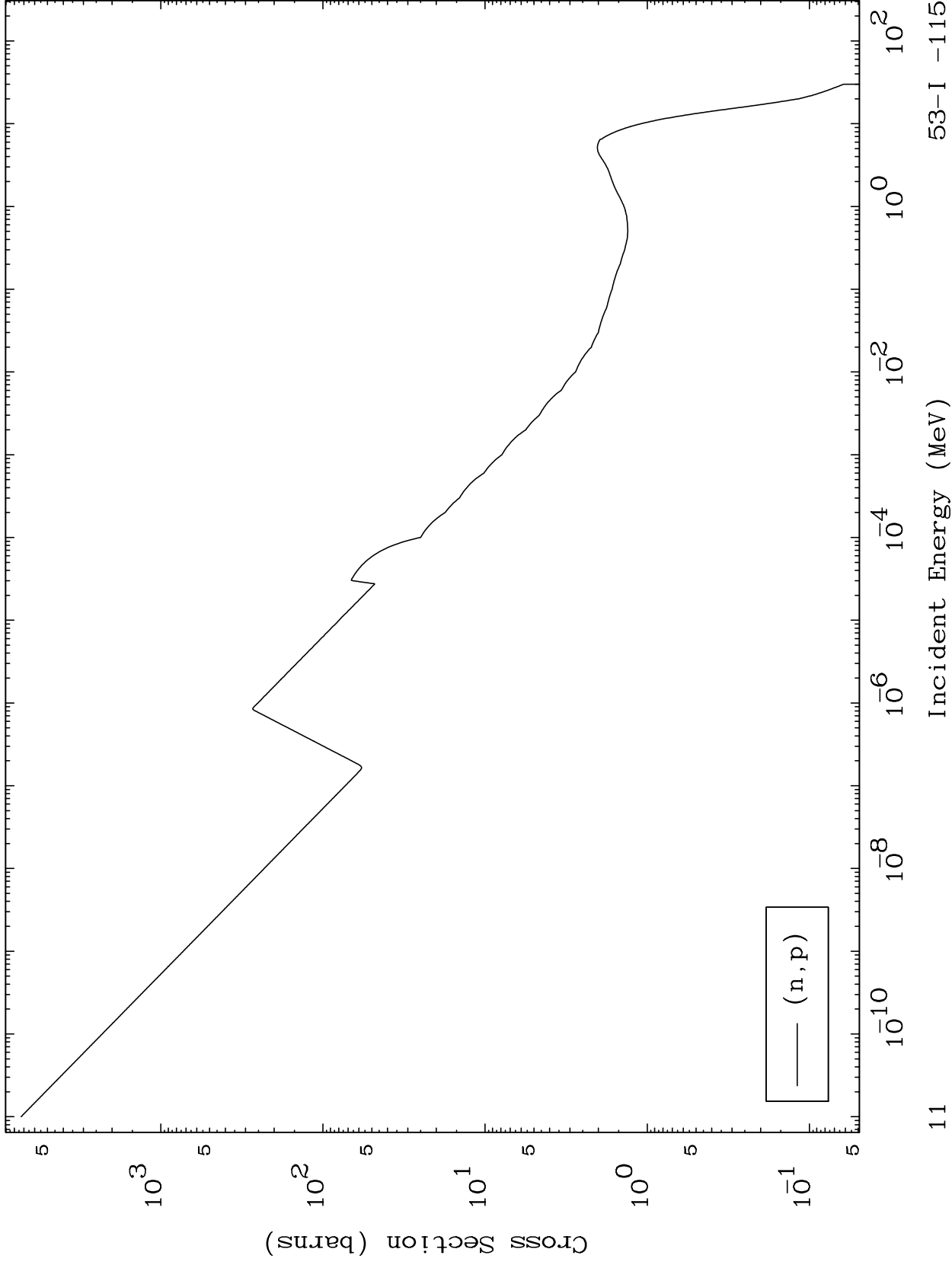
Incident Energy (MeV)

53-I -115

MAT 5289

(n,p) Levels  
293 Kelvin Cross Sections

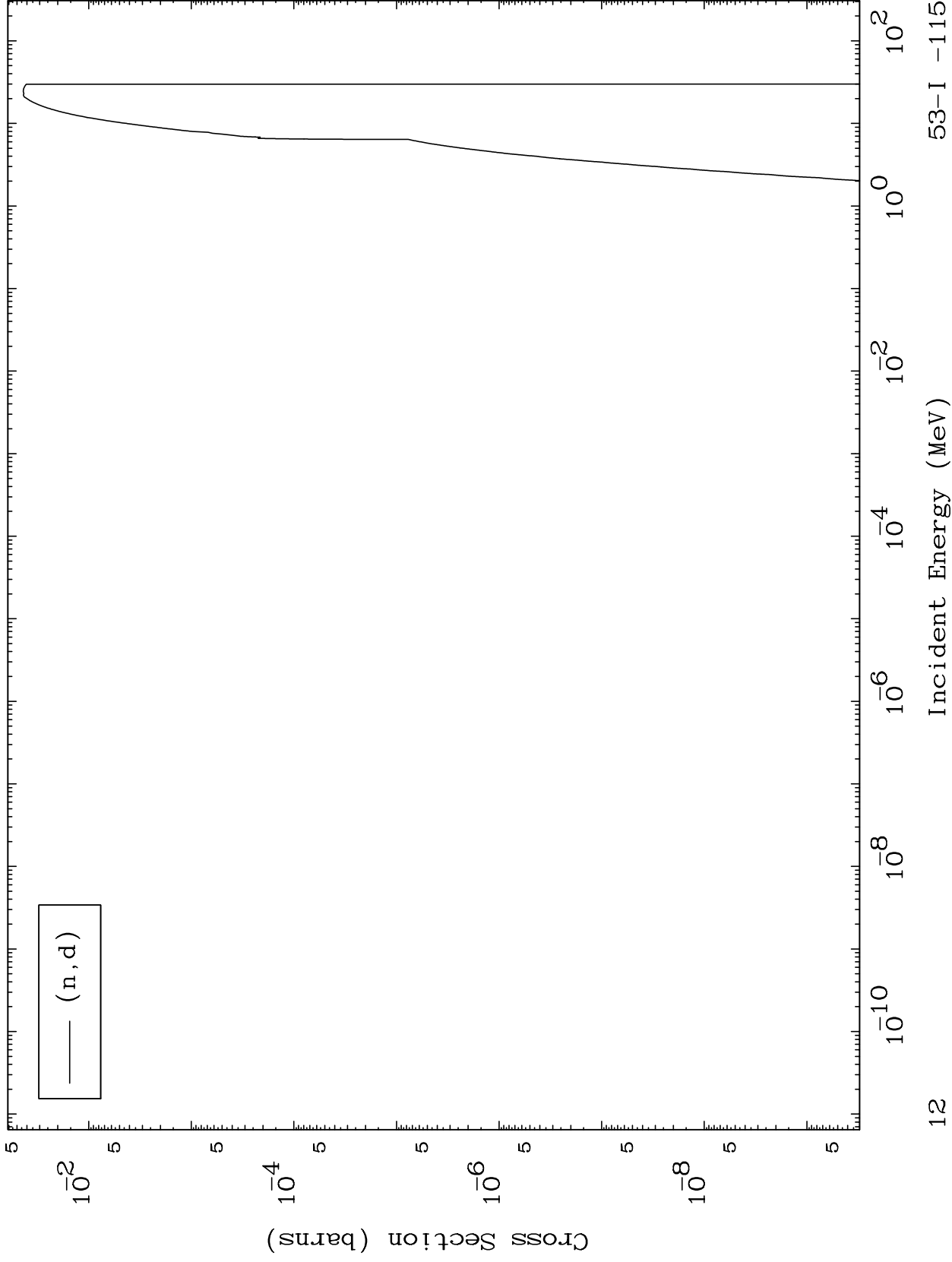
53-I -115



MAT 5289

(n,d) Levels  
293 Kelvin Cross Sections

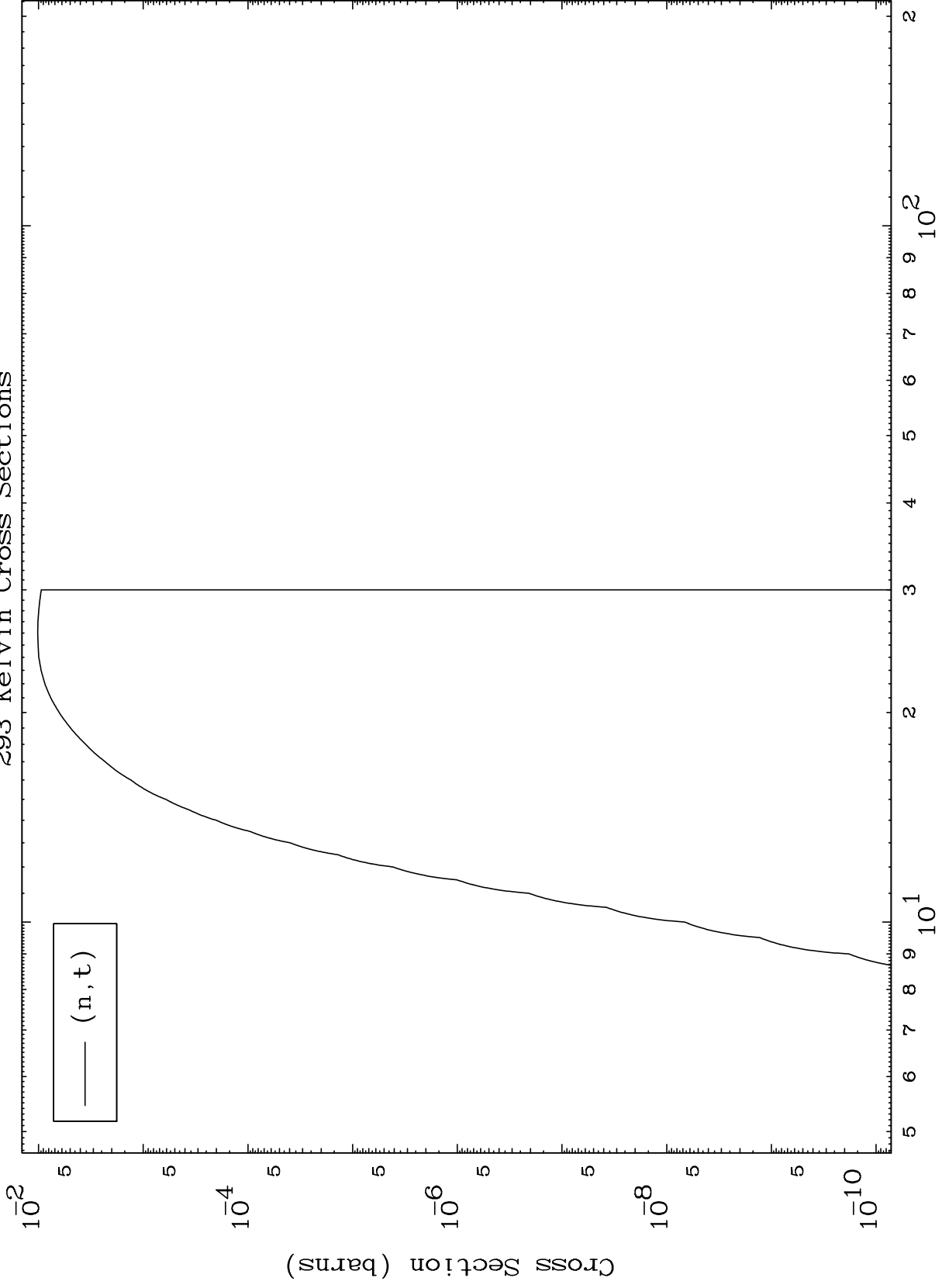
53-I -115



MAT 5289

(n,t) Levels  
293 Kelvin Cross Sections

53-I -115



(n,t)

13

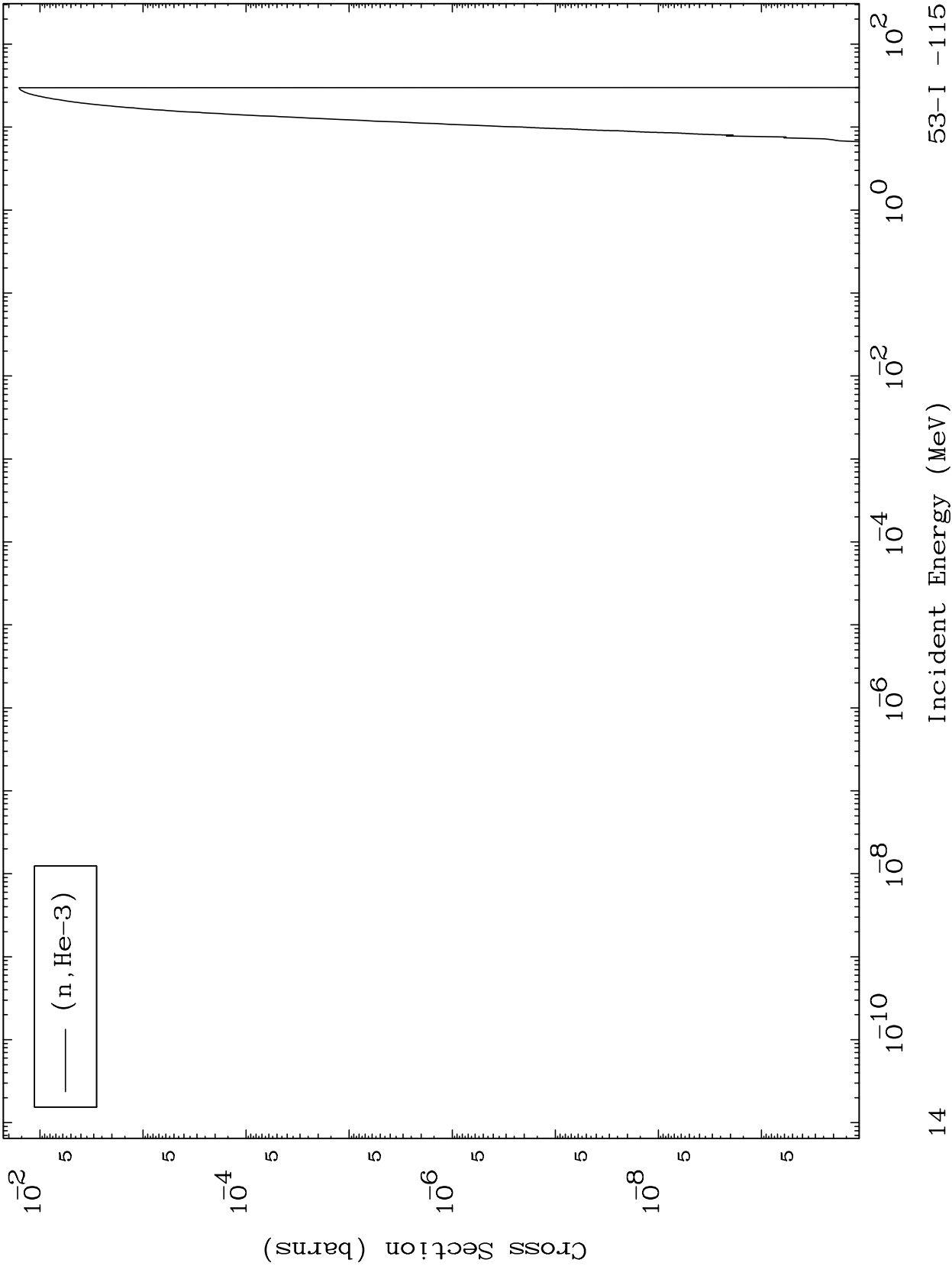
Incident Energy (MeV)

53-I -115

MAT 5289

(n,He3) Levels  
293 Kelvin Cross Sections

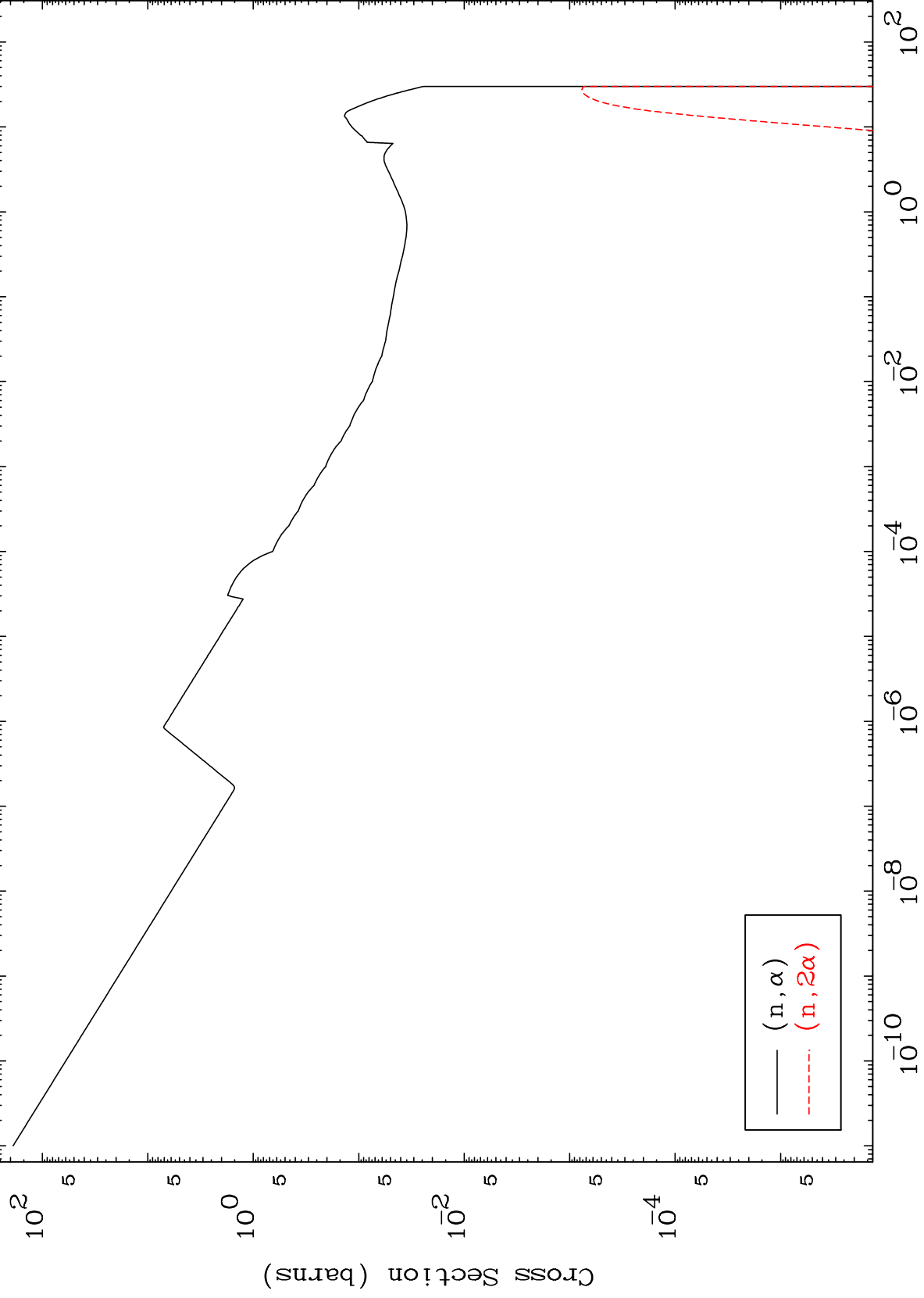
53-I -115



MAT 5289

(n,  $\alpha$ ) Levels  
293 Kelvin Cross Sections

53-I -115



15

Incident Energy (MeV)

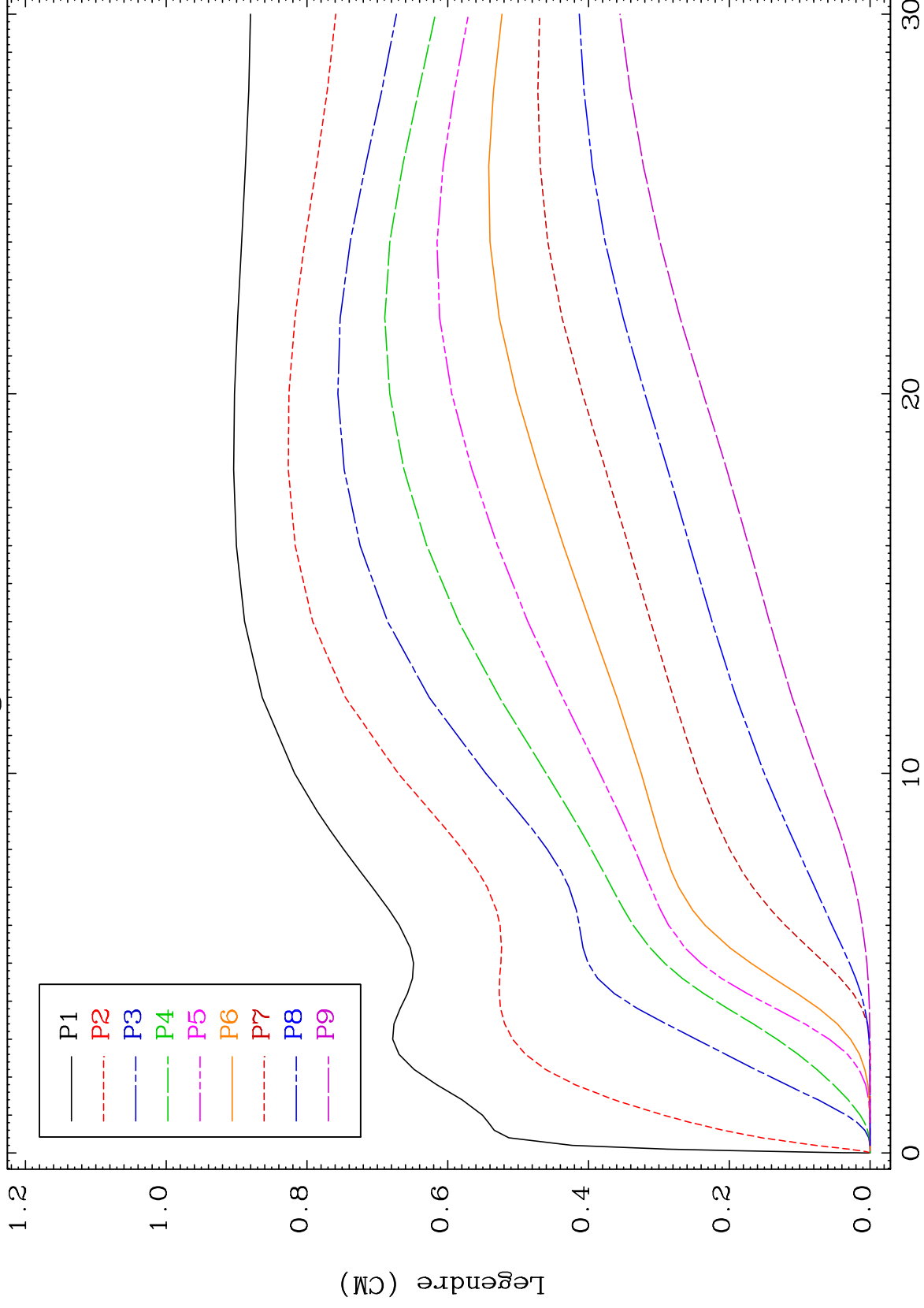
53-I -115



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Elastic Legendre Coefficients

53-I -115



16

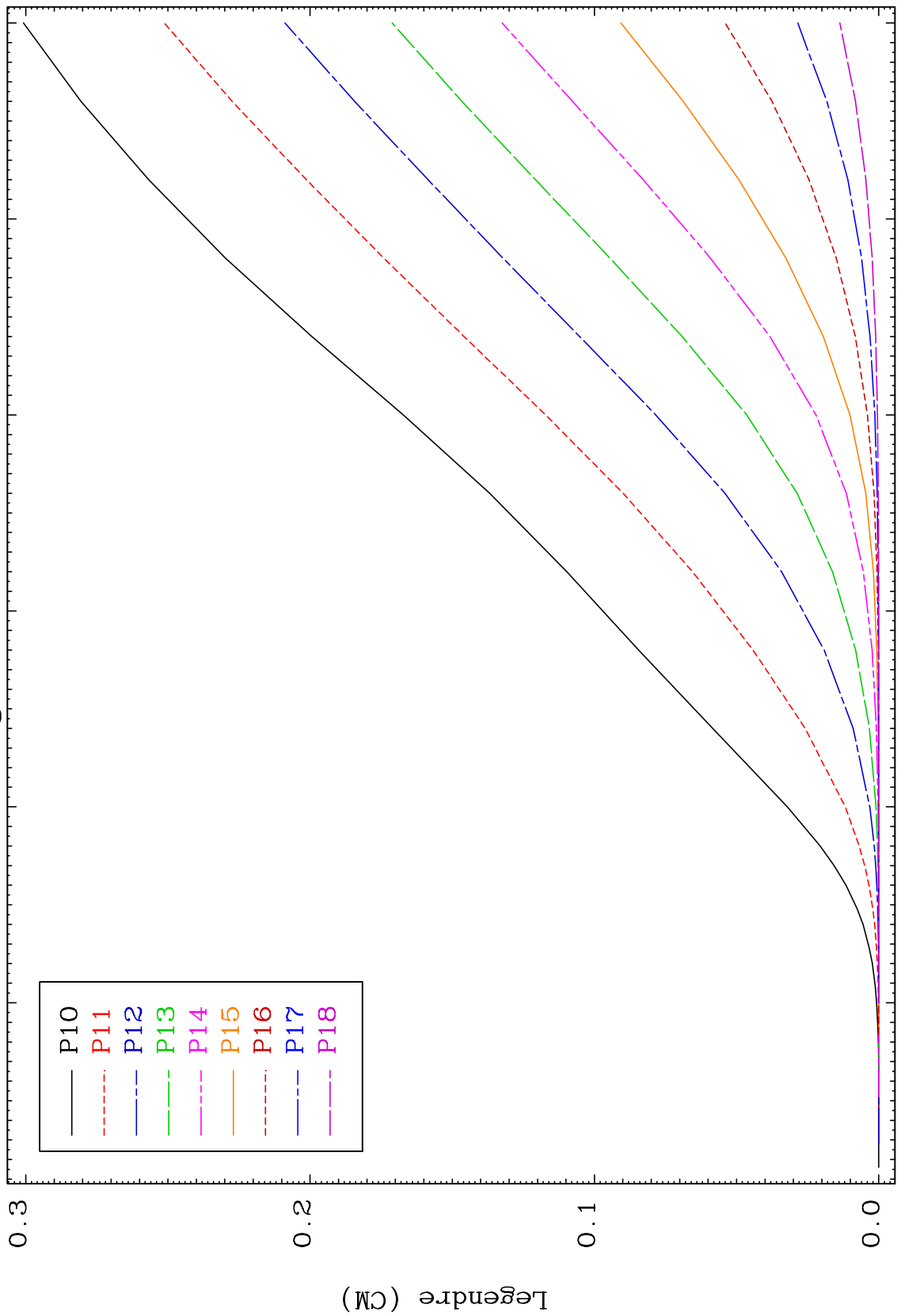
Incident Energy (MeV)

53-I -115

MAT 5289

Elastic Legendre Coefficients

53-I -115



17

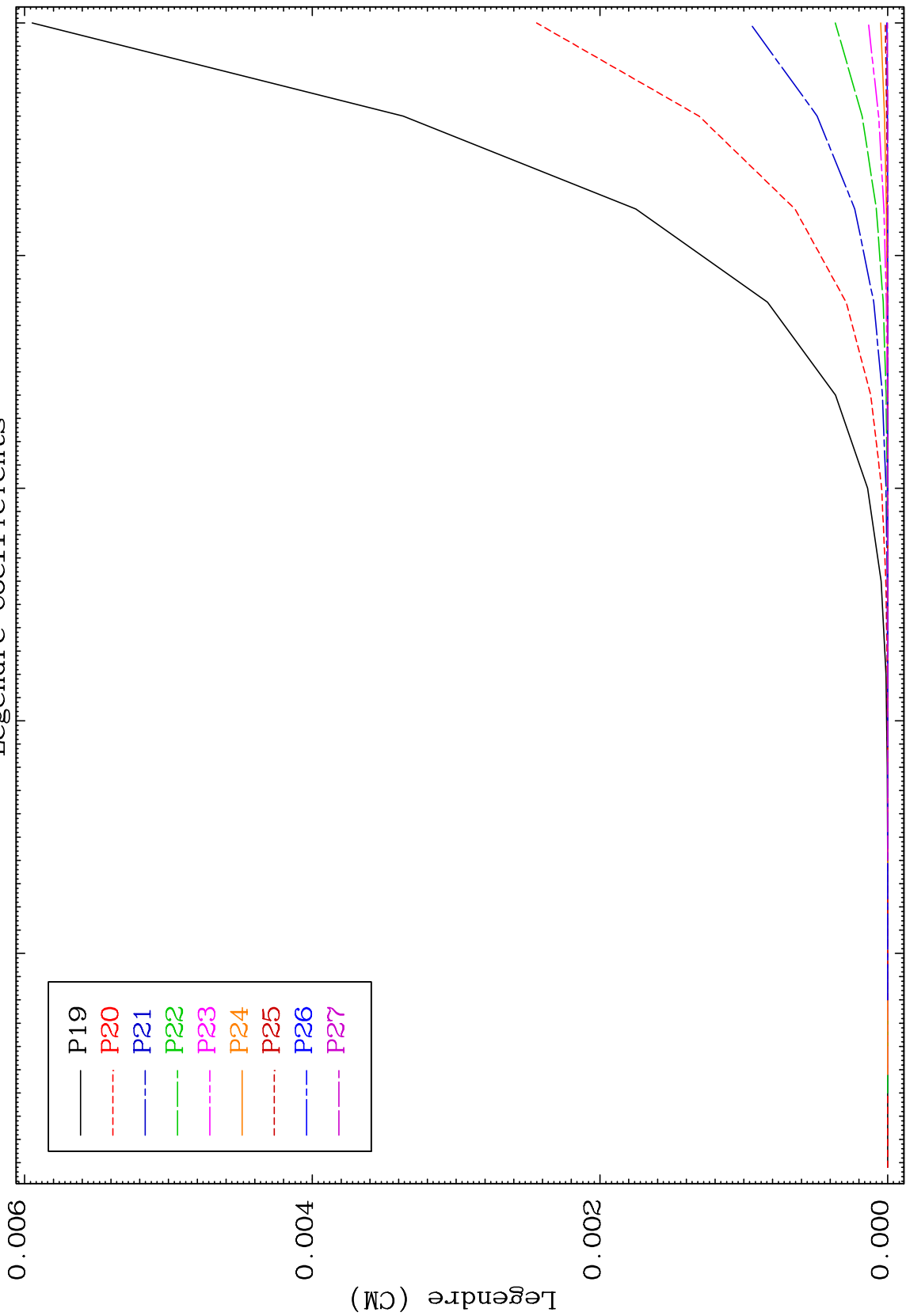
Incident Energy (MeV)

53-I -115

MAT 5289

### Elastic Legendre Coefficients

53-I -115



18

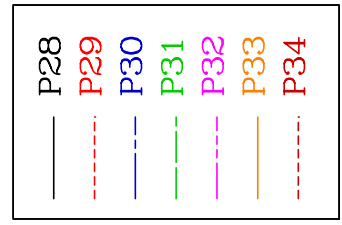
Incident Energy (MeV)

53-I -115

MAT 5289

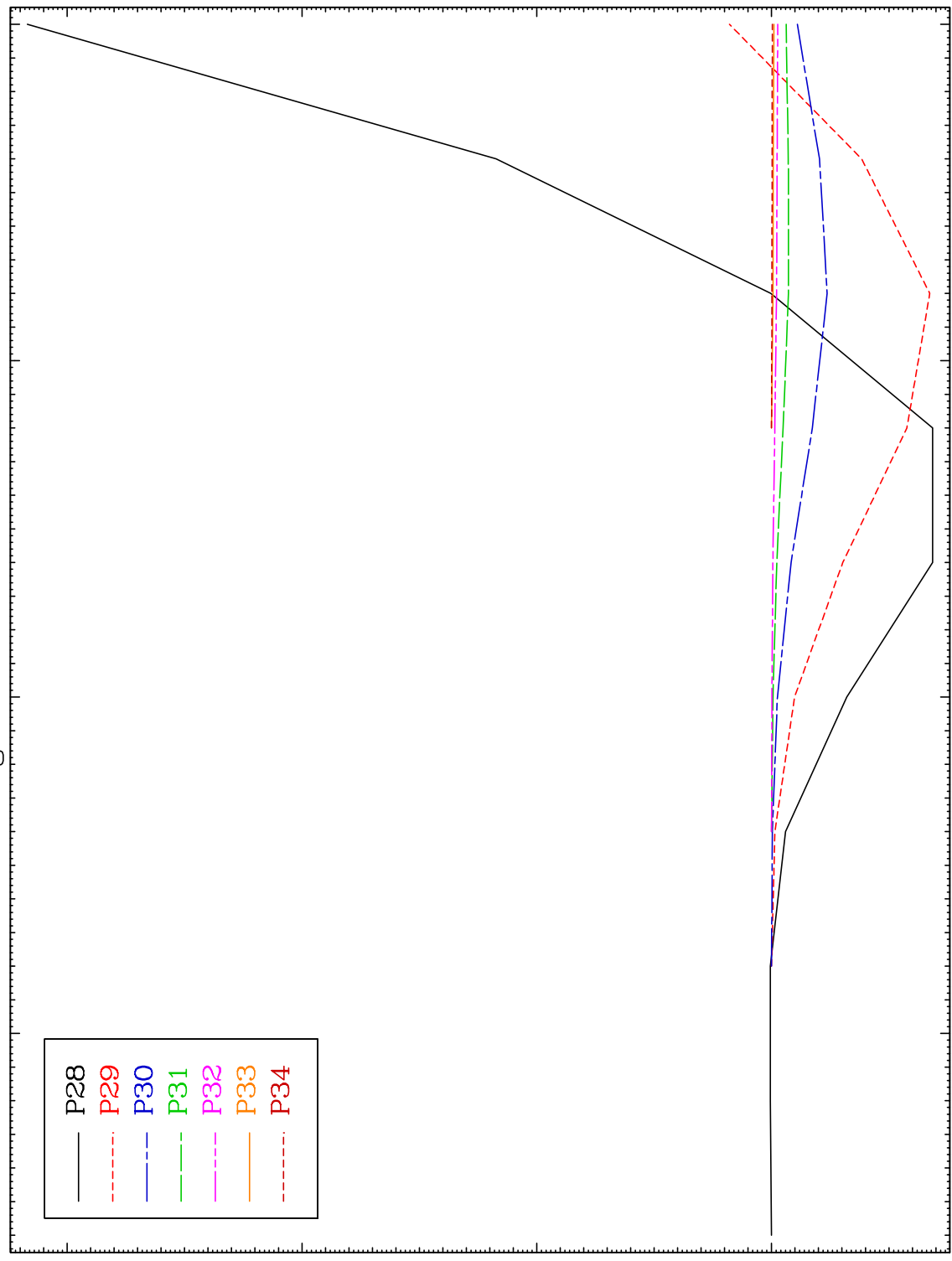
Elastic Legendre Coefficients

53-I -115



$\times 10^{-3}$

Legendre (CM)



30

25

20

15

19

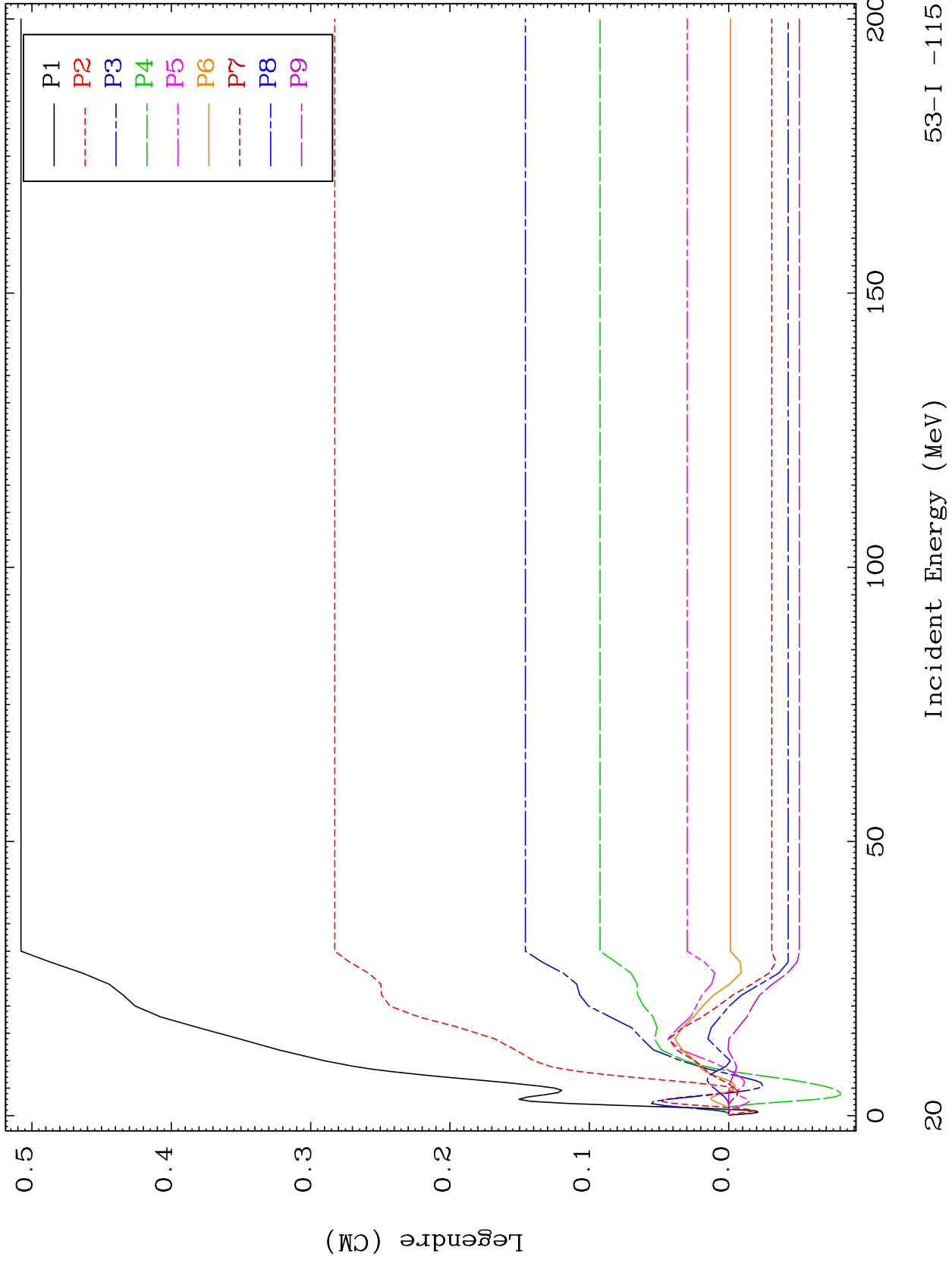
Incident Energy (MeV)

53-I -115

MAT 5289

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

53-I -115



53-I -115

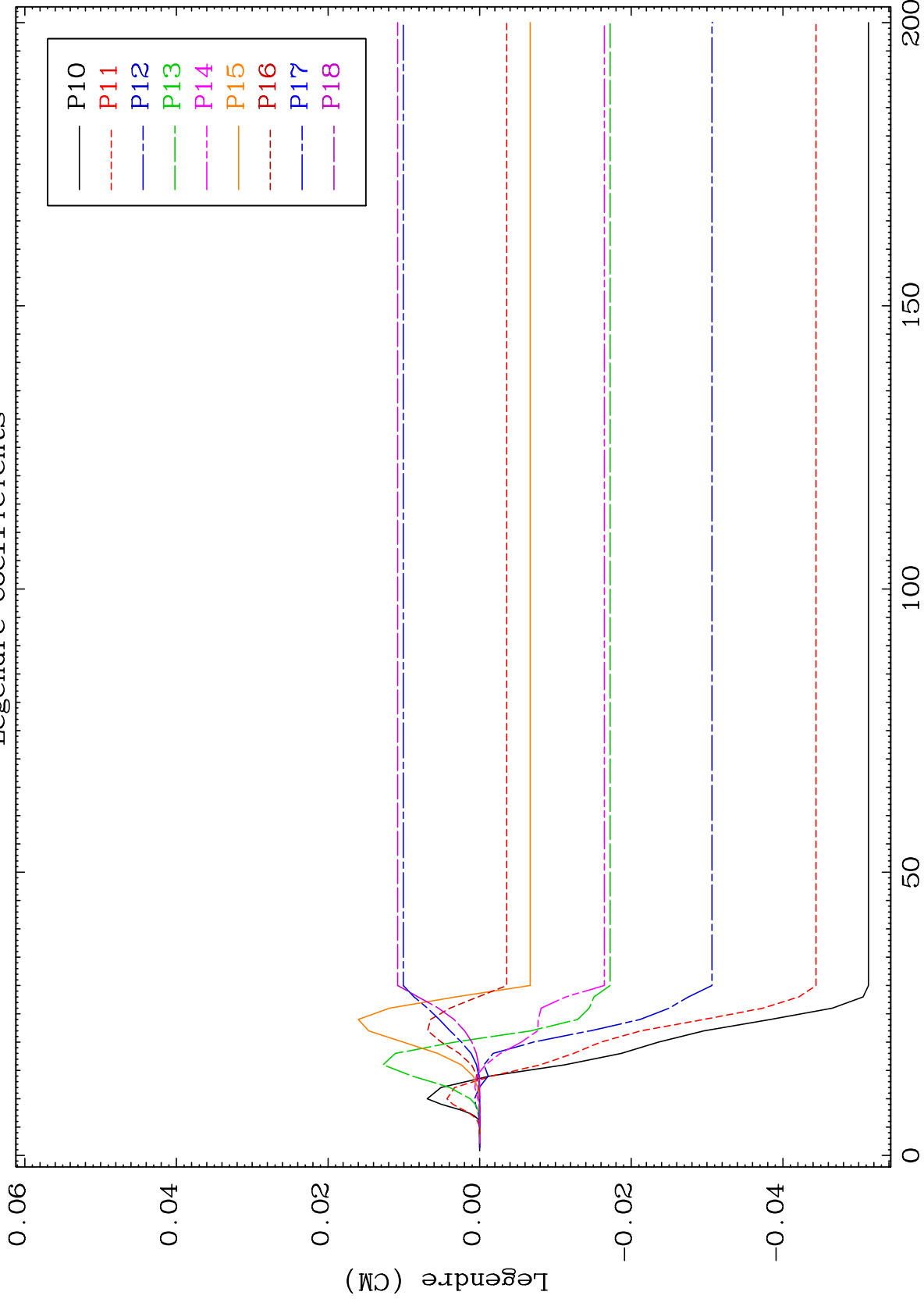
Incident Energy (MeV)

20

MAT 5289

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

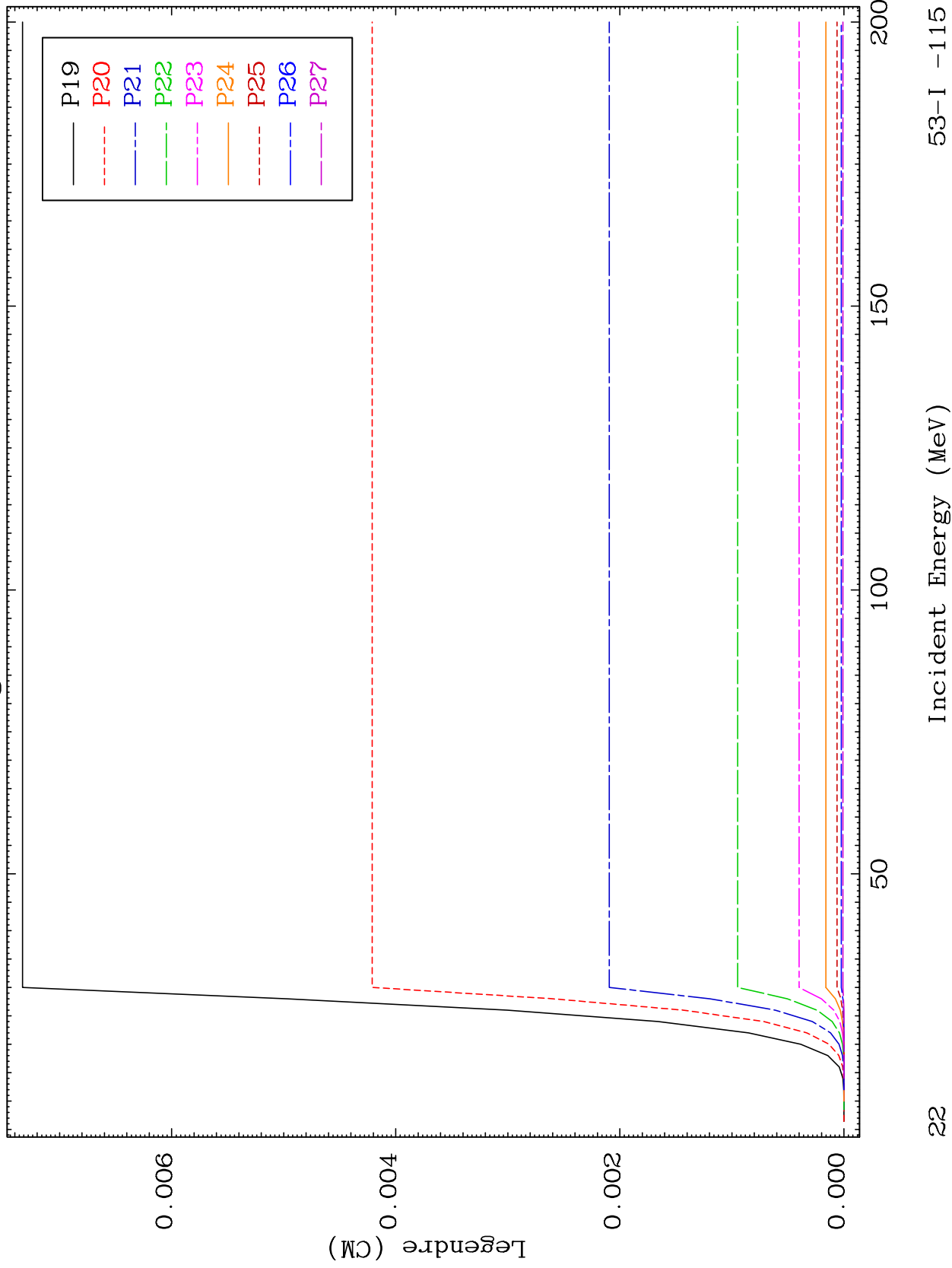
53-I -115



21

Incident Energy (MeV)

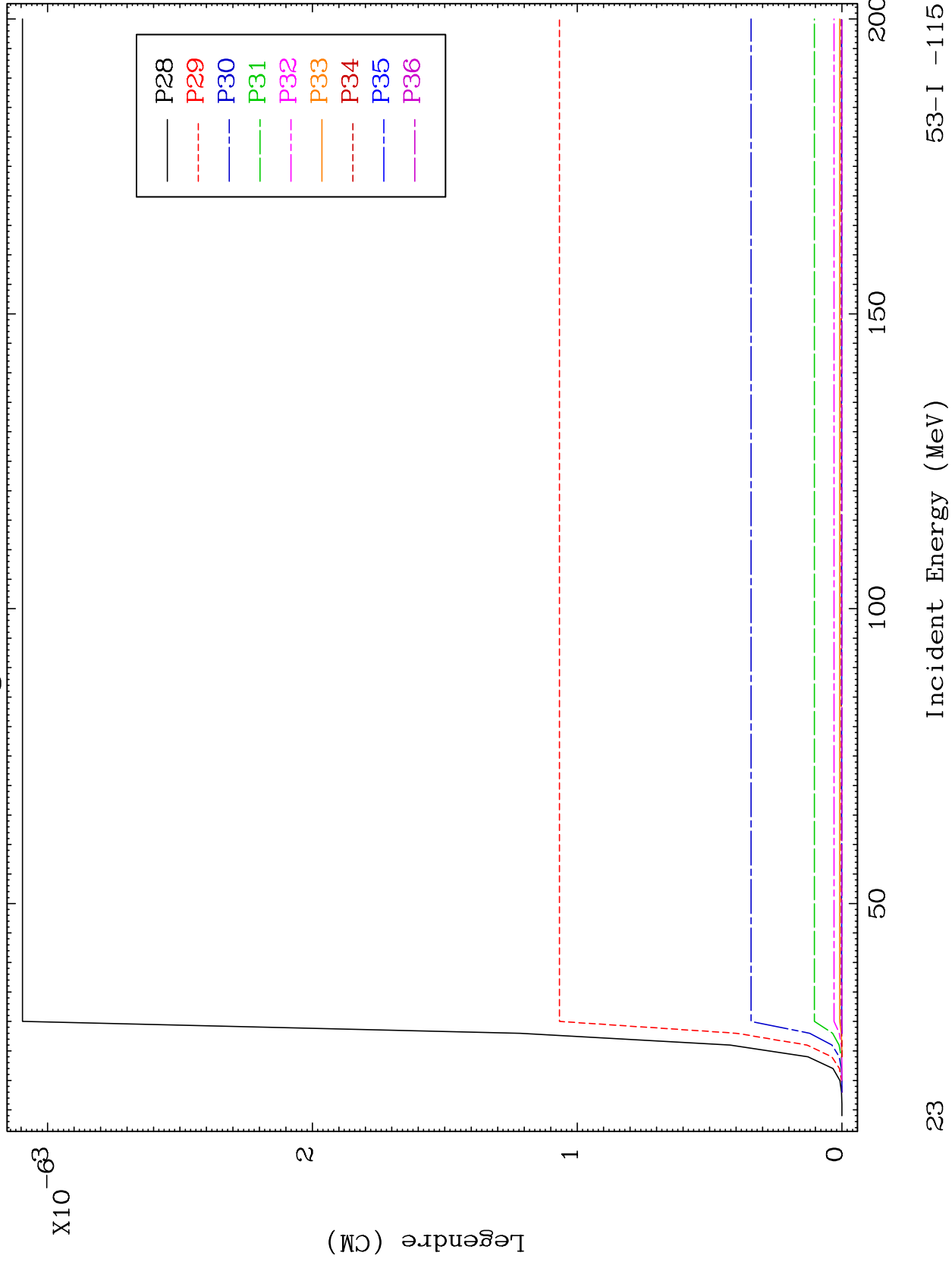
53-I -115



MAT 5289

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

53-I -115



23

Incident Energy (MeV)

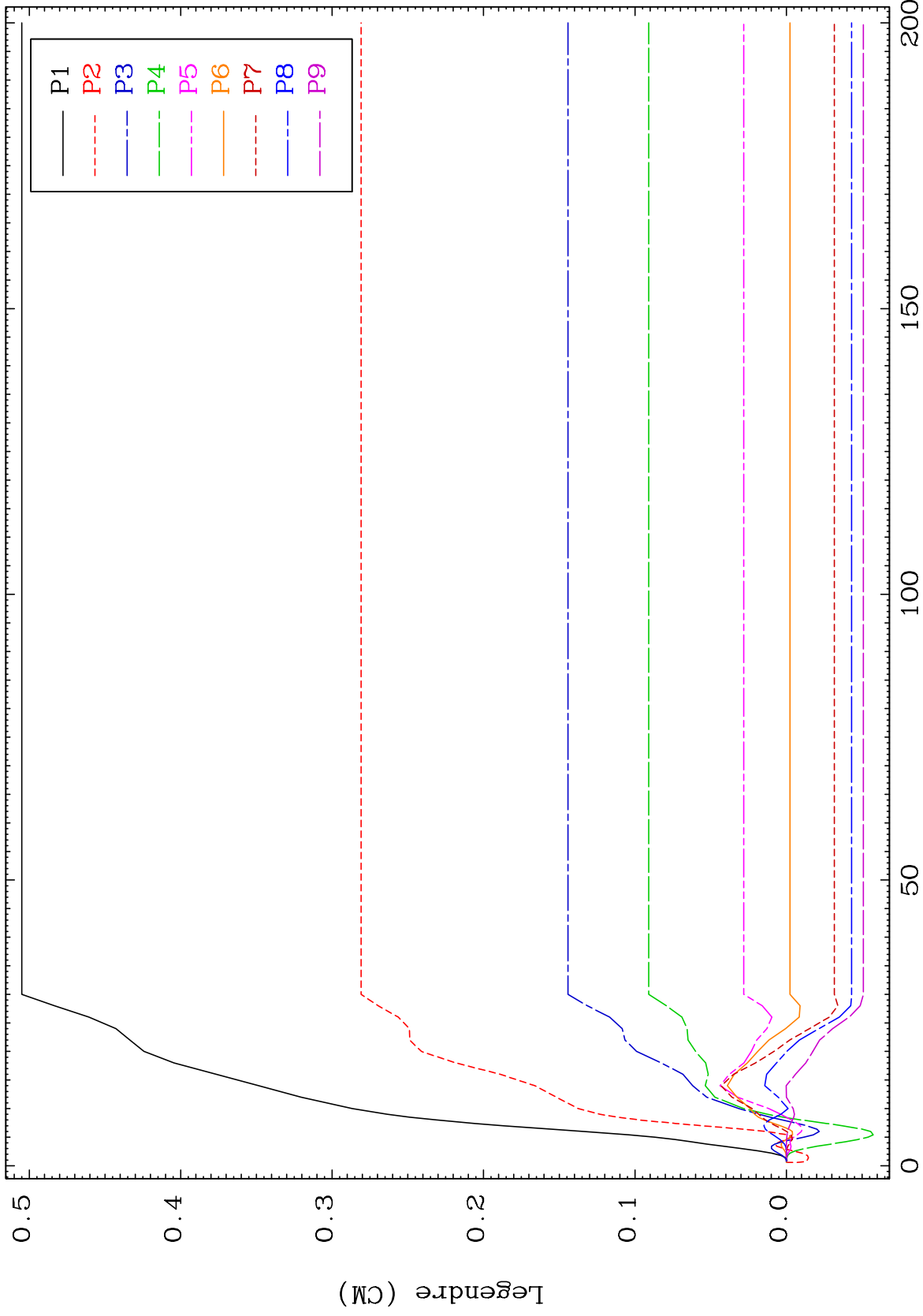
53-I -115



MAT 5289

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

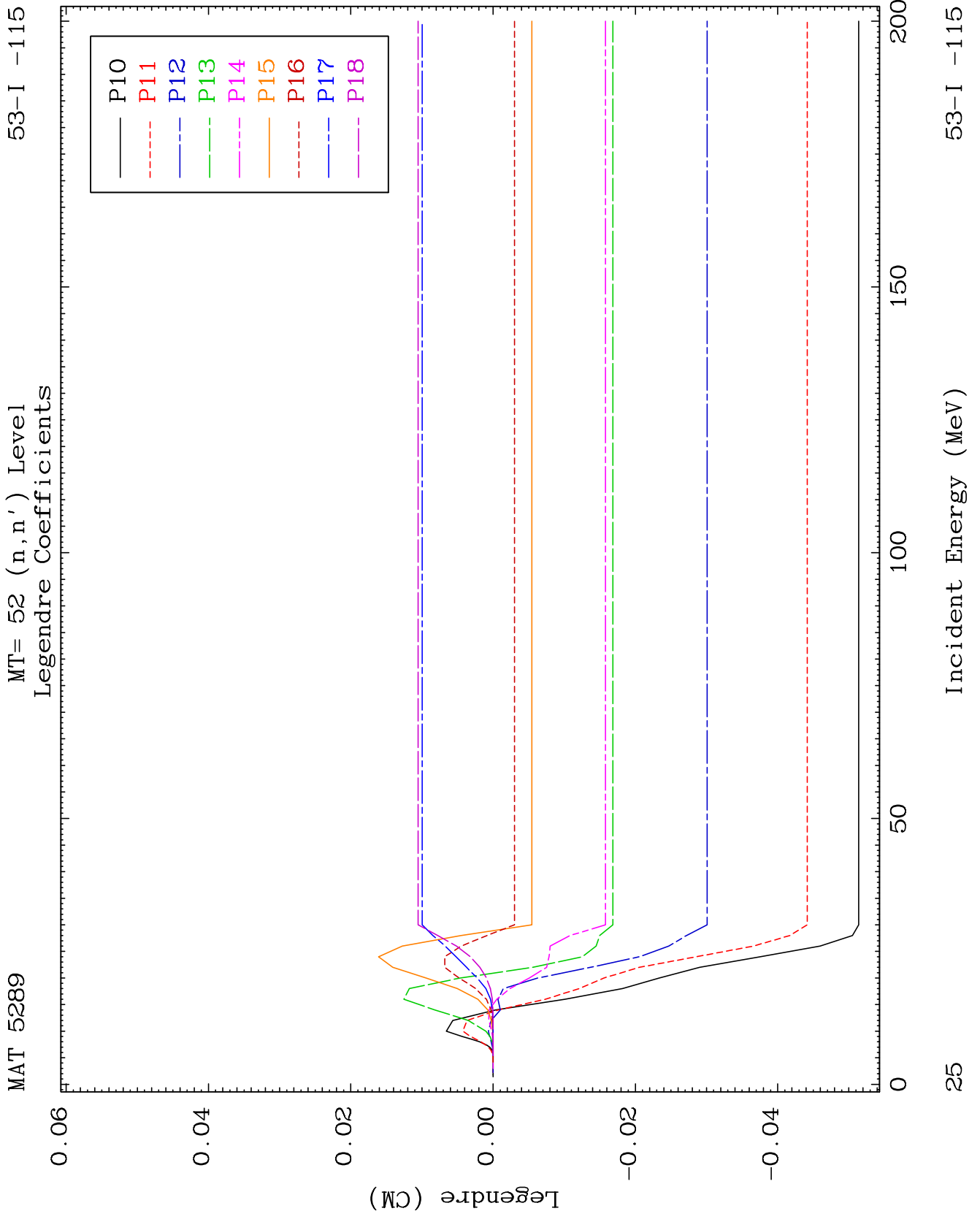
53-I -115

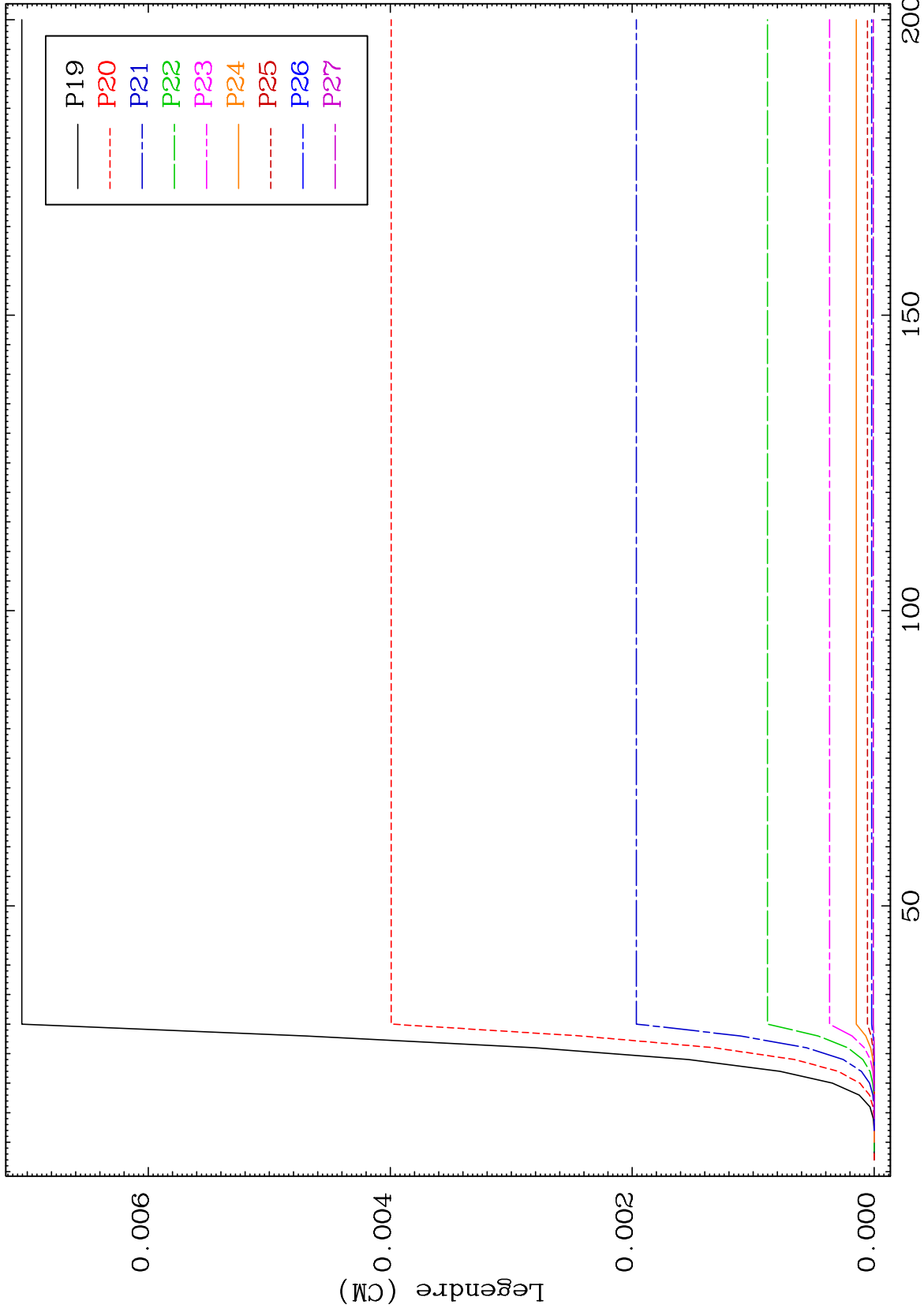


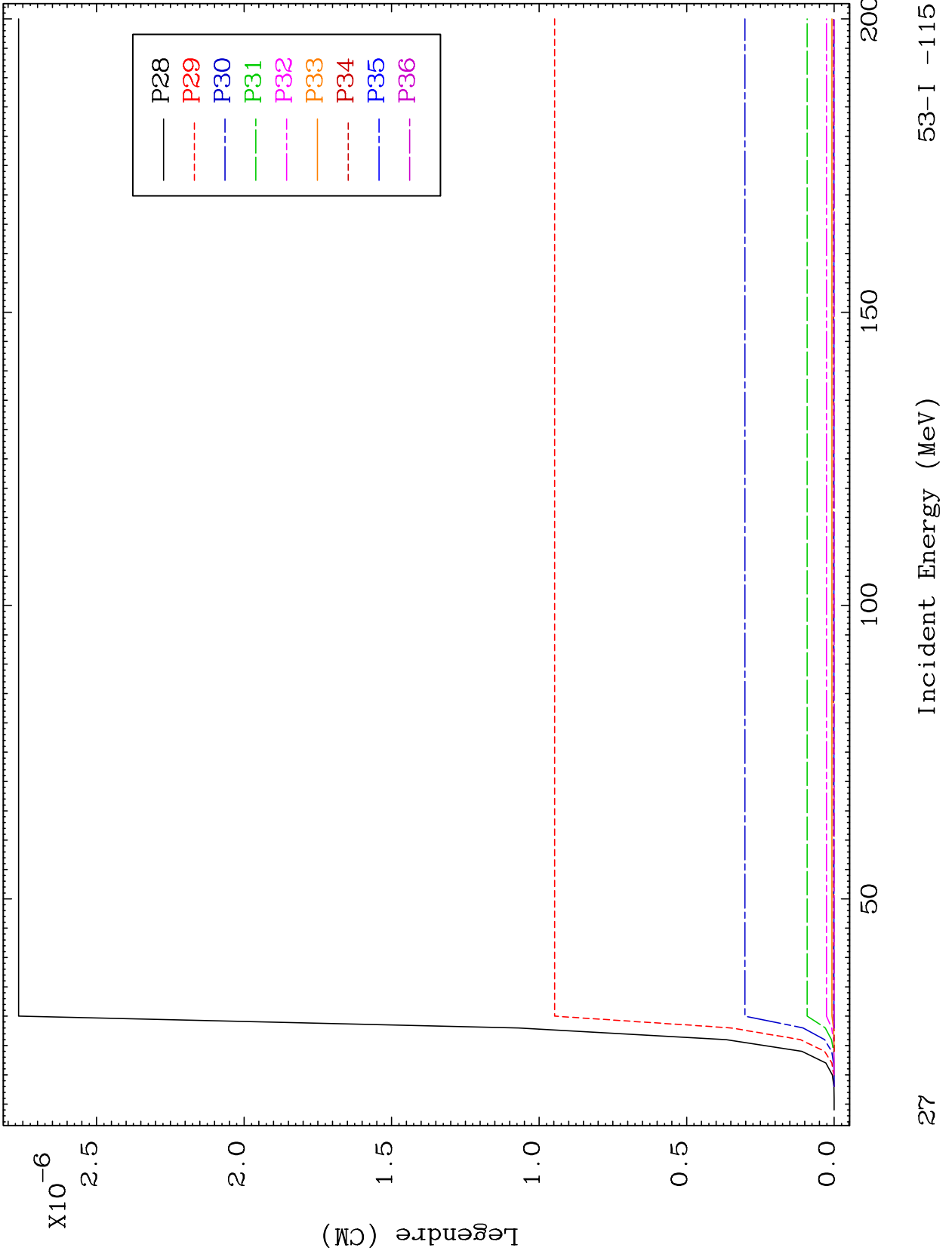
24

Incident Energy (MeV)

53-I -115



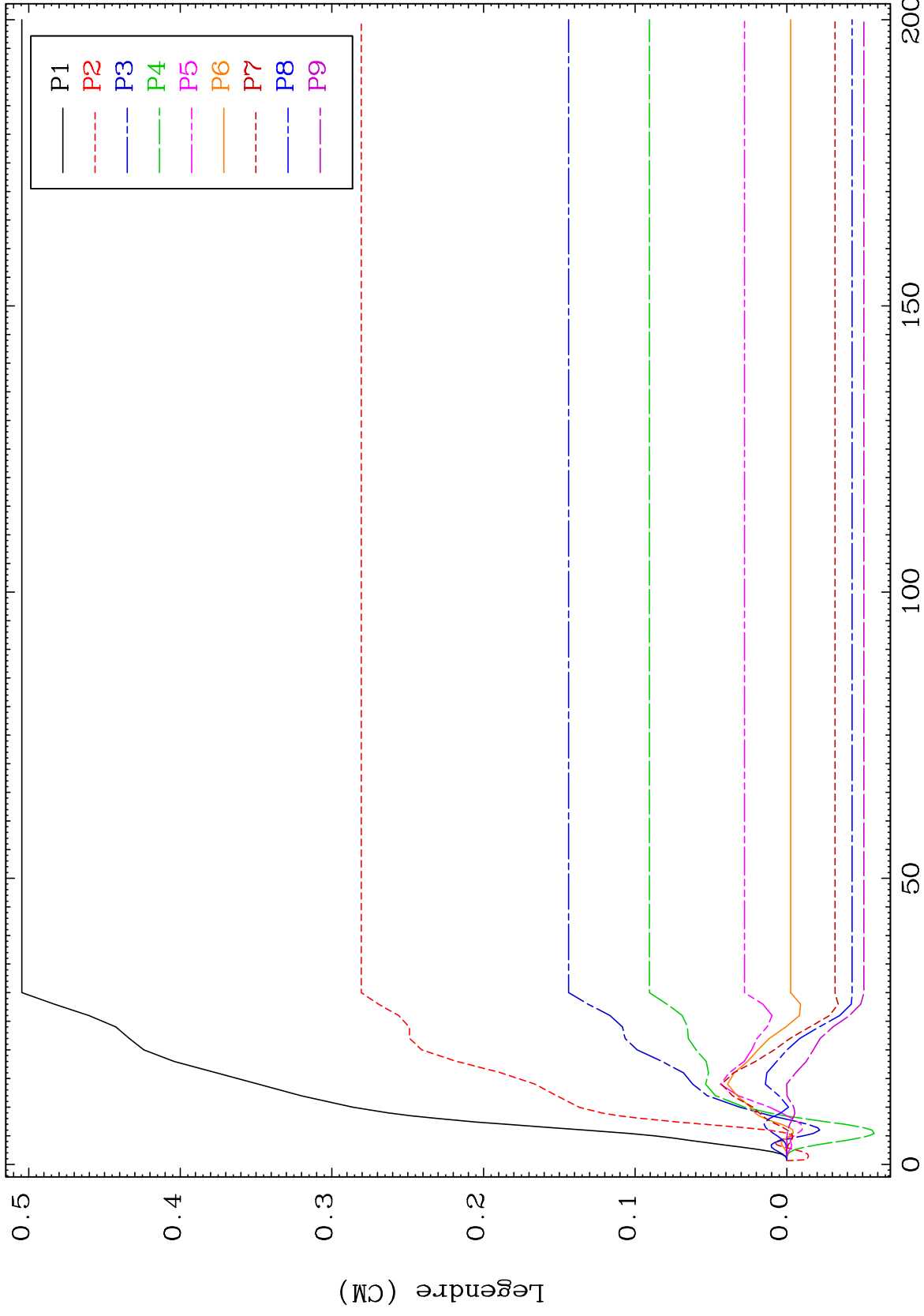




MAT 5289

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

53-I -115



28

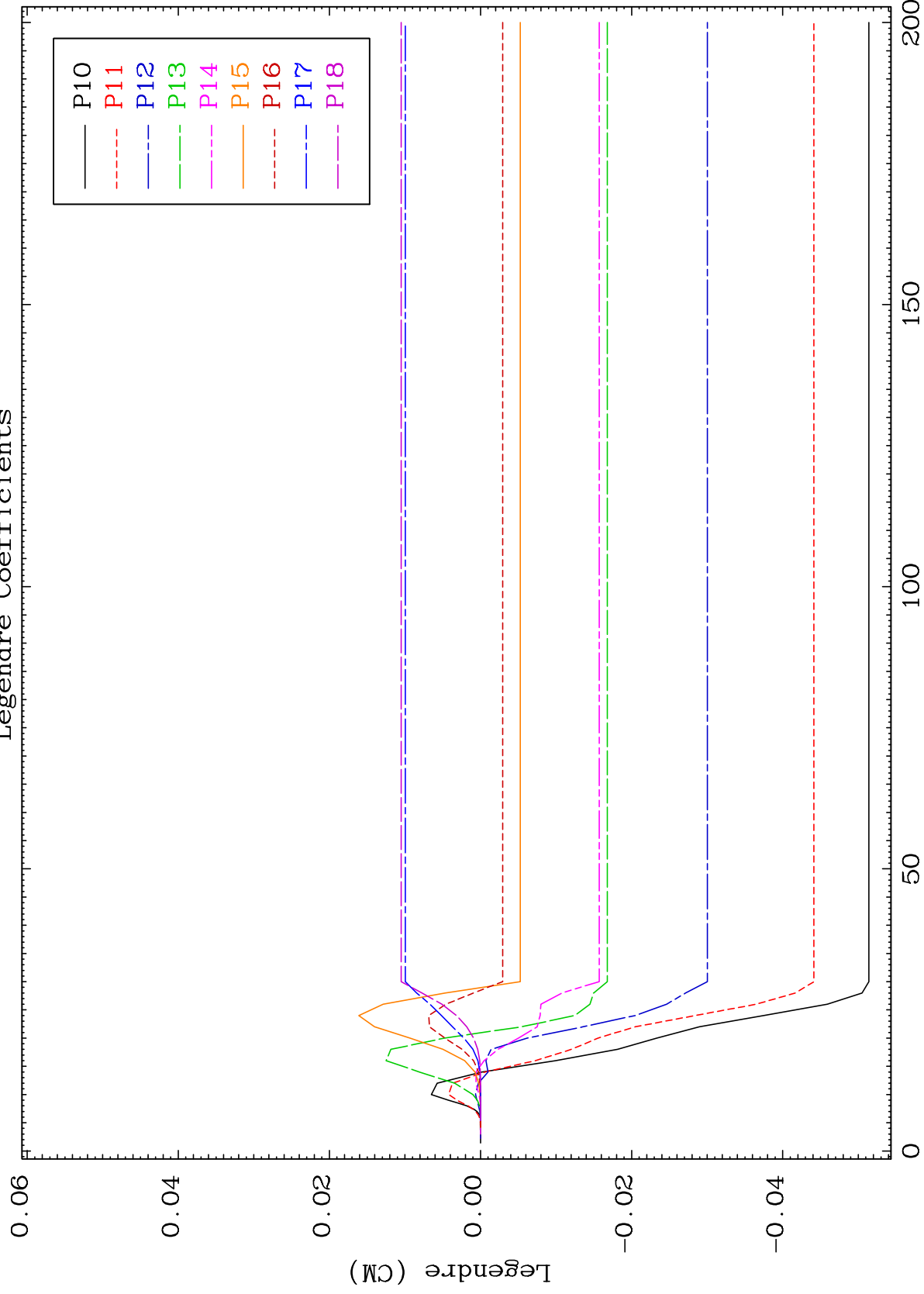
Incident Energy (MeV)

53-I -115

MAT 5289

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

53-I -115



29

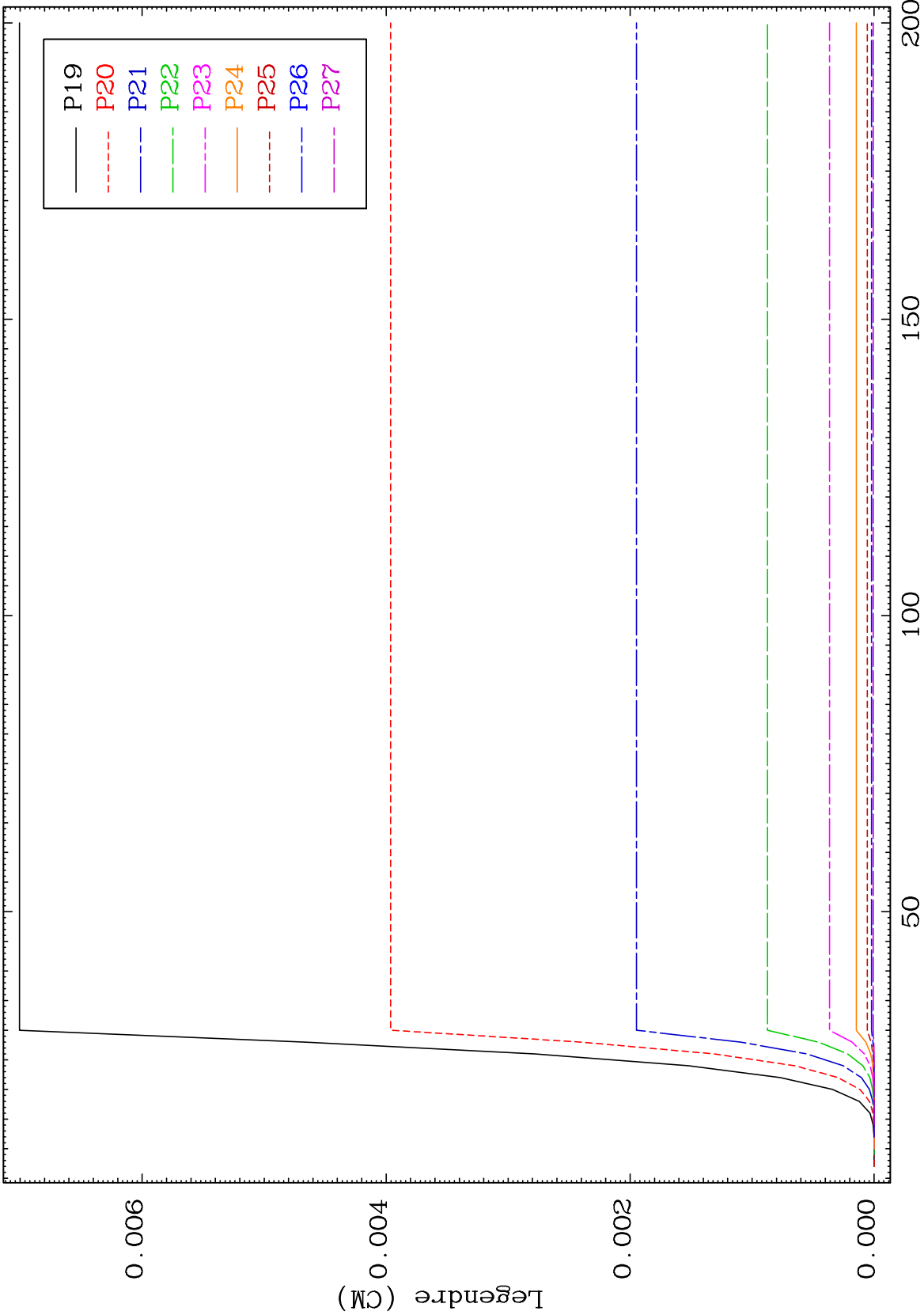
Incident Energy (MeV)

53-I -115

MAT 5289

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

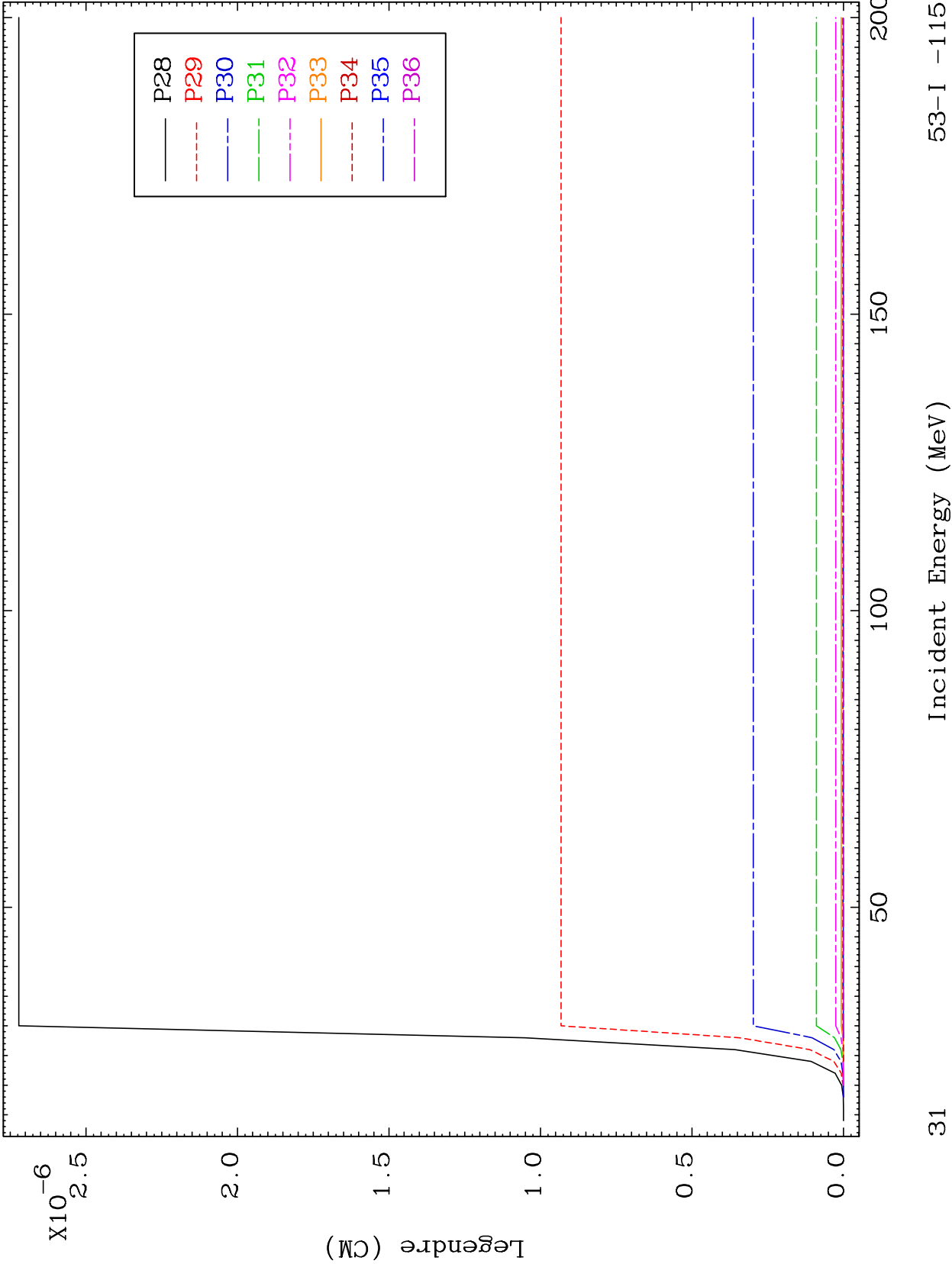
53-I -115



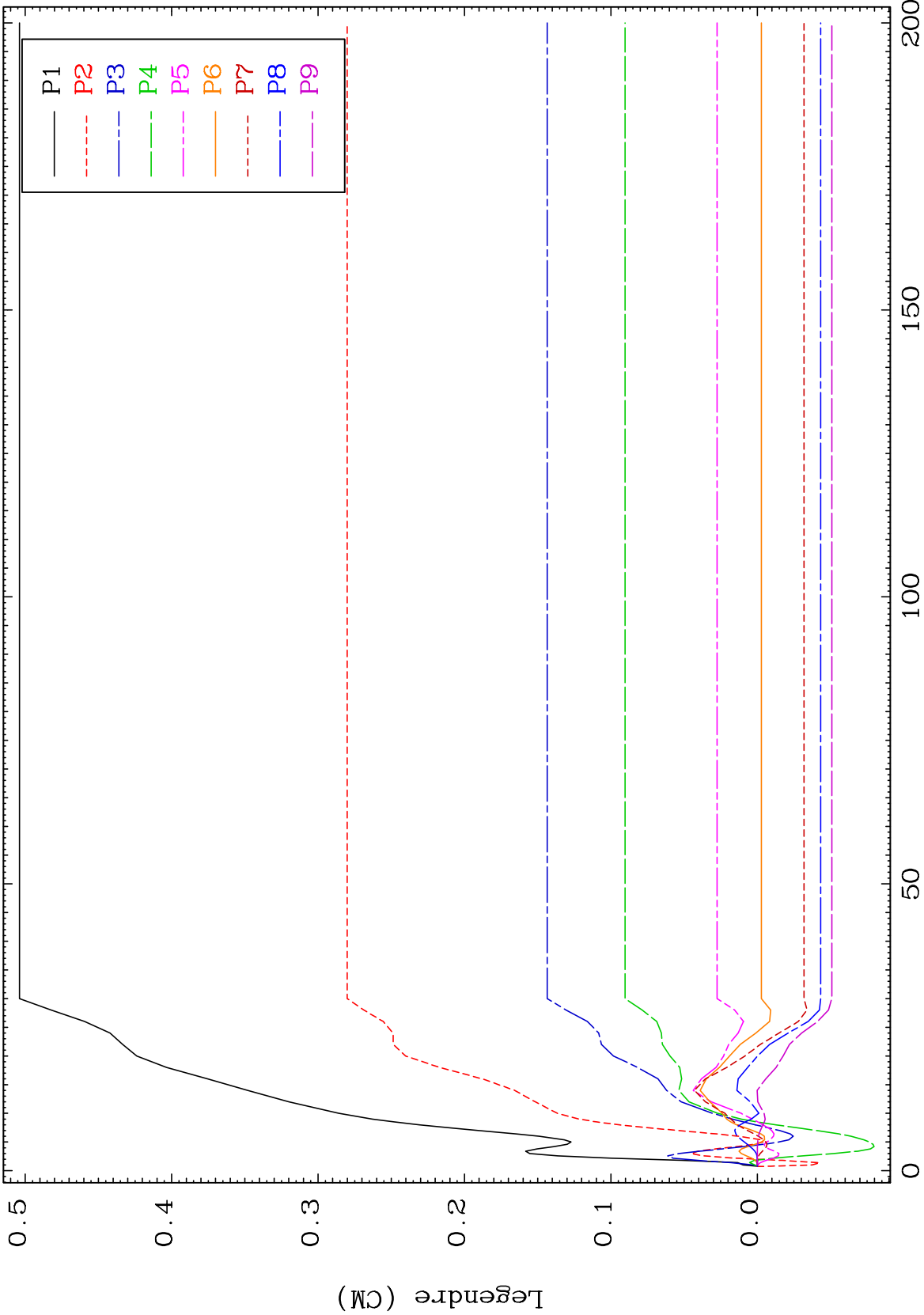
30

Incident Energy (MeV)

53-I -115



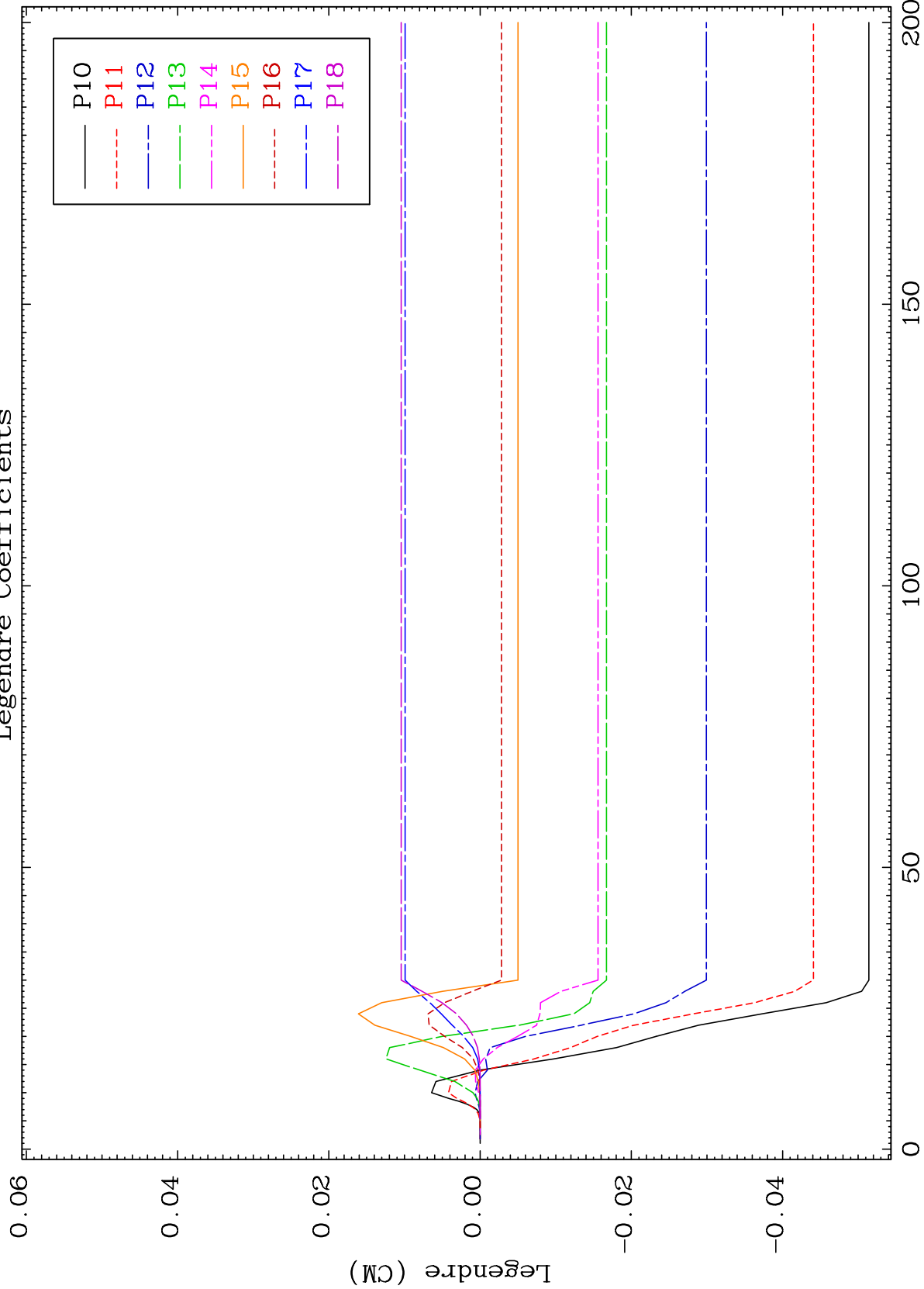




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MT= 54 (n,n') Level  
Legendre Coefficients

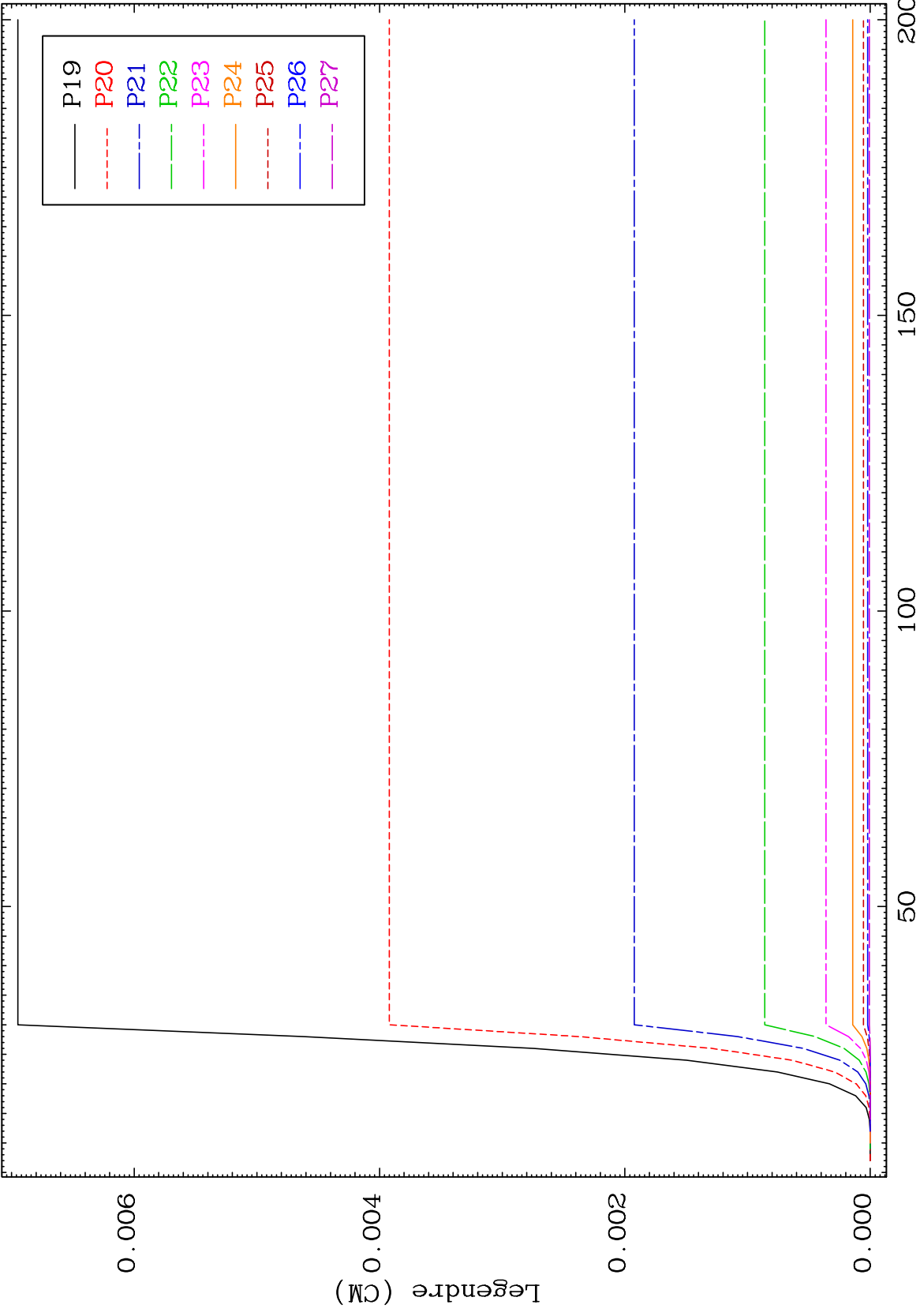
53-I -115



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Incident Energy (MeV)

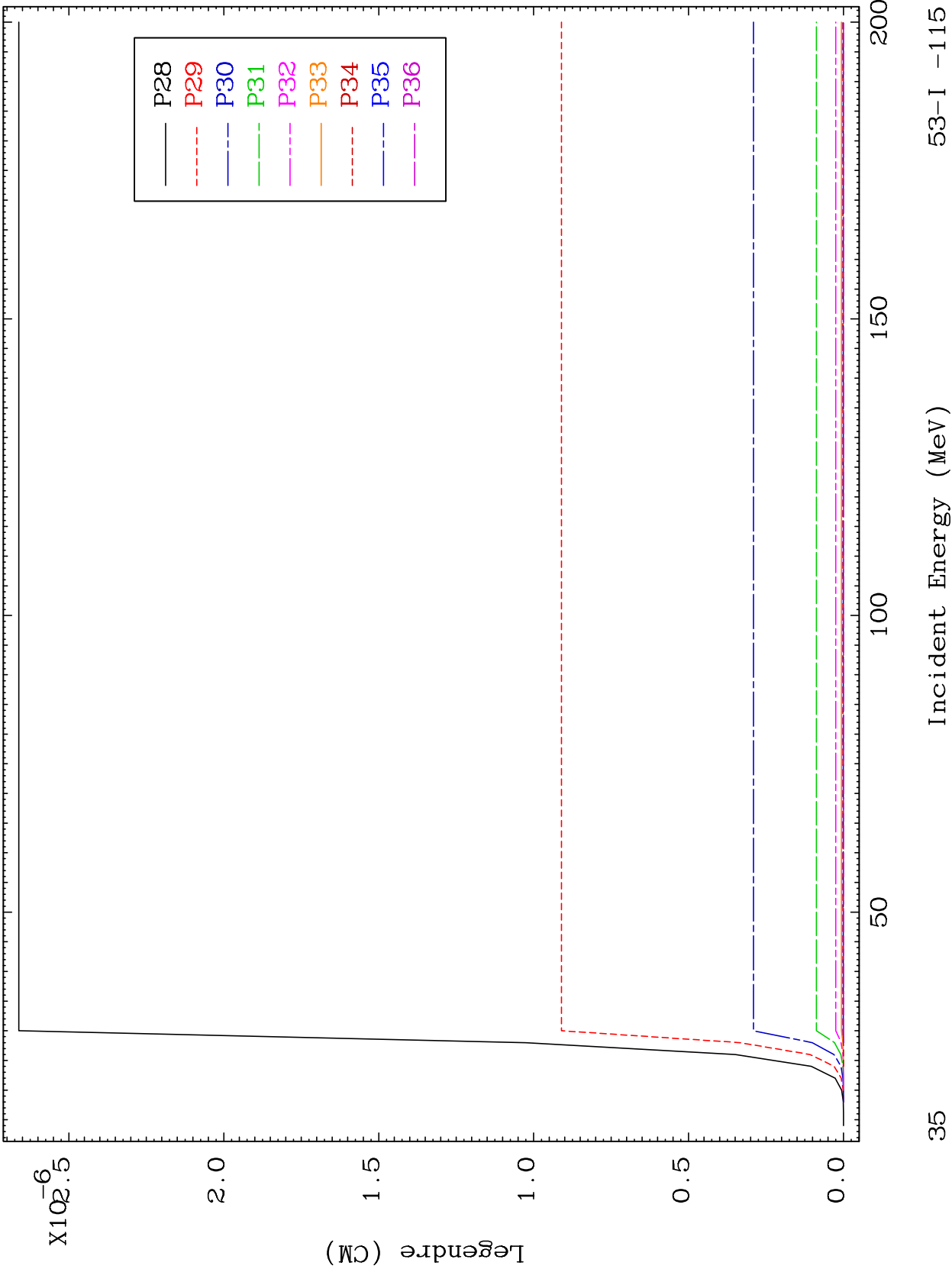
53-I -115



MAT 5289

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

53-I -115

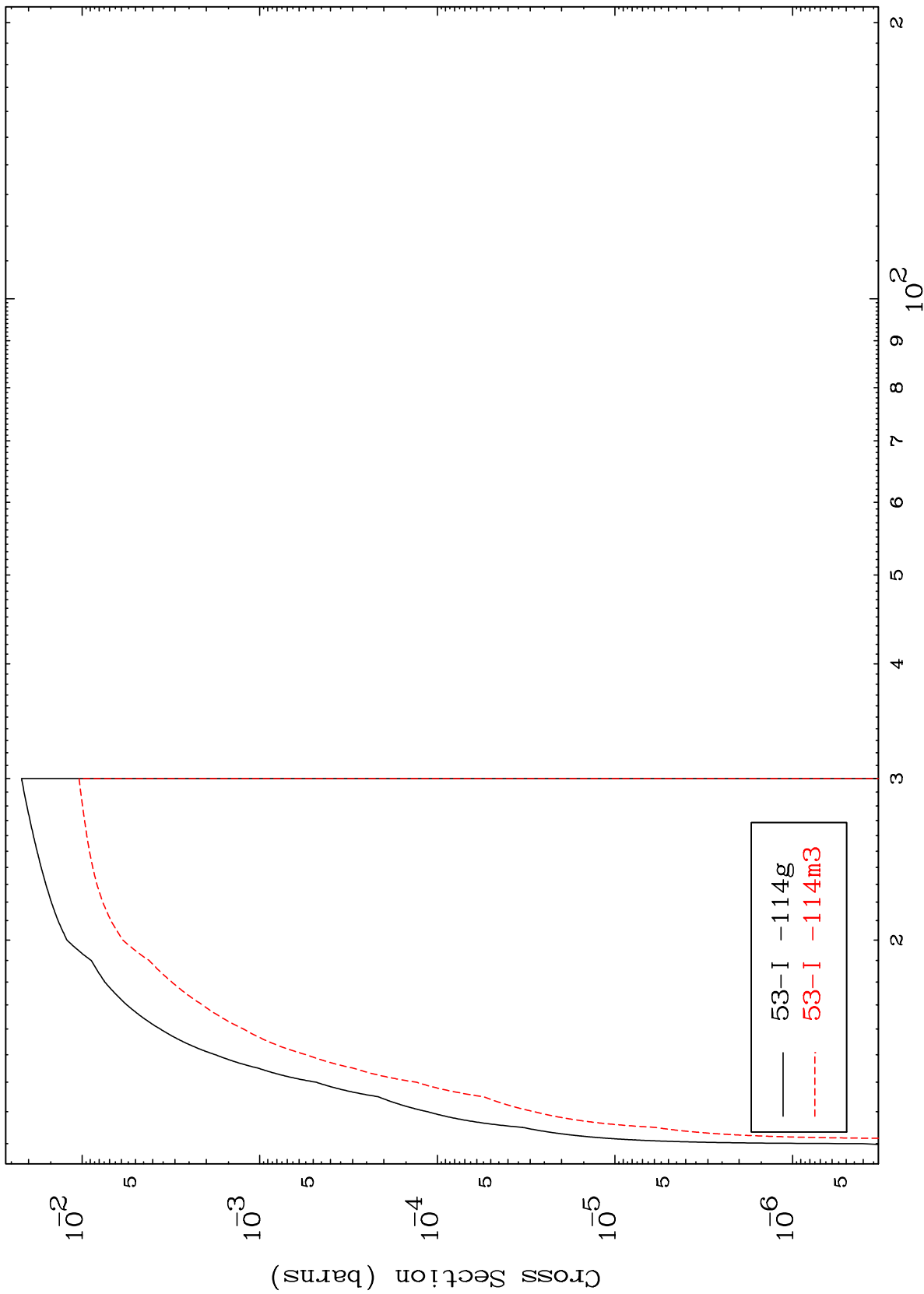


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Incident Energy (MeV)

53-I -115

Radionuclide Production Cross Section  
(n,2n)

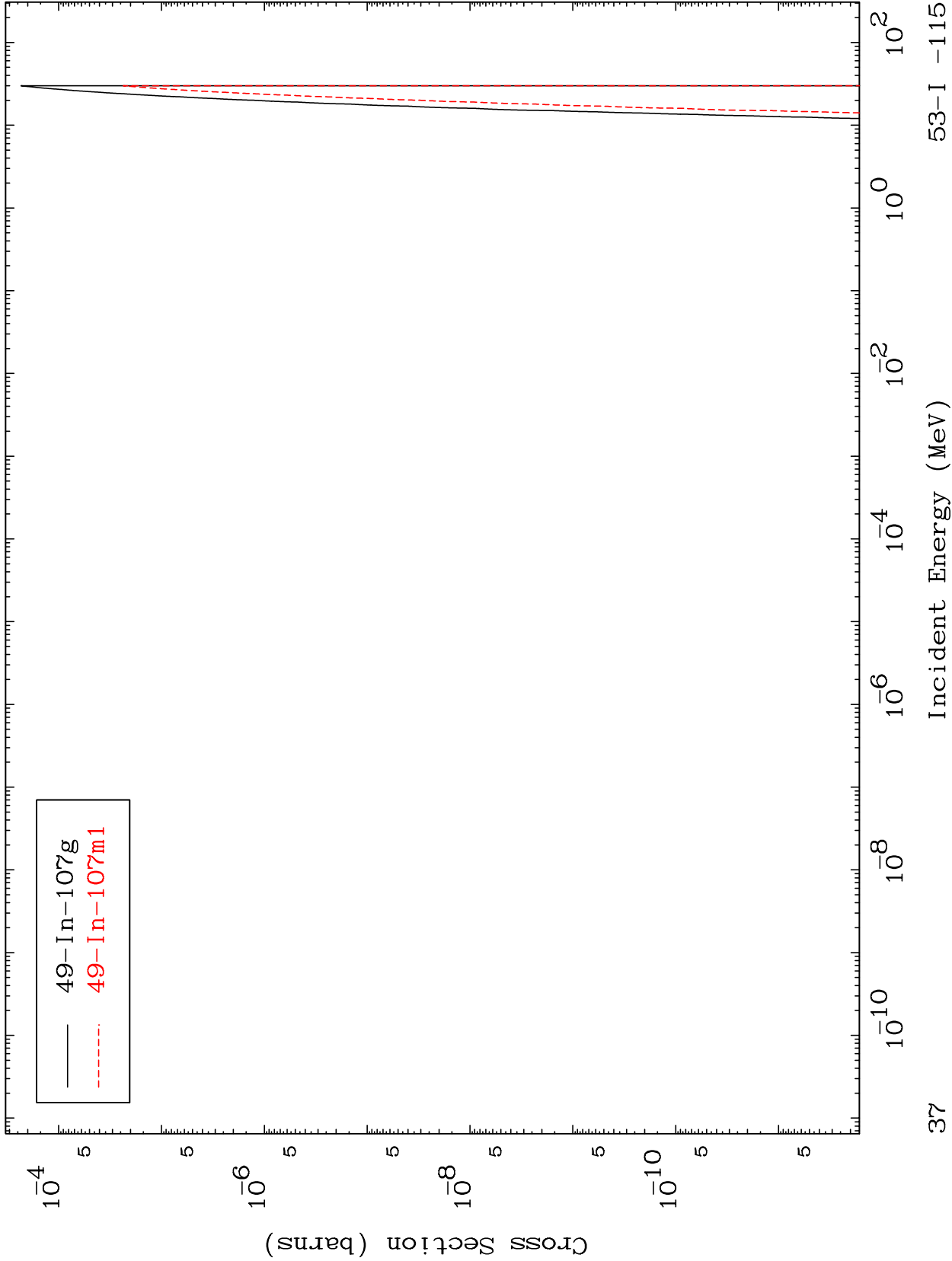


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(n,n') 2α

53-I -115

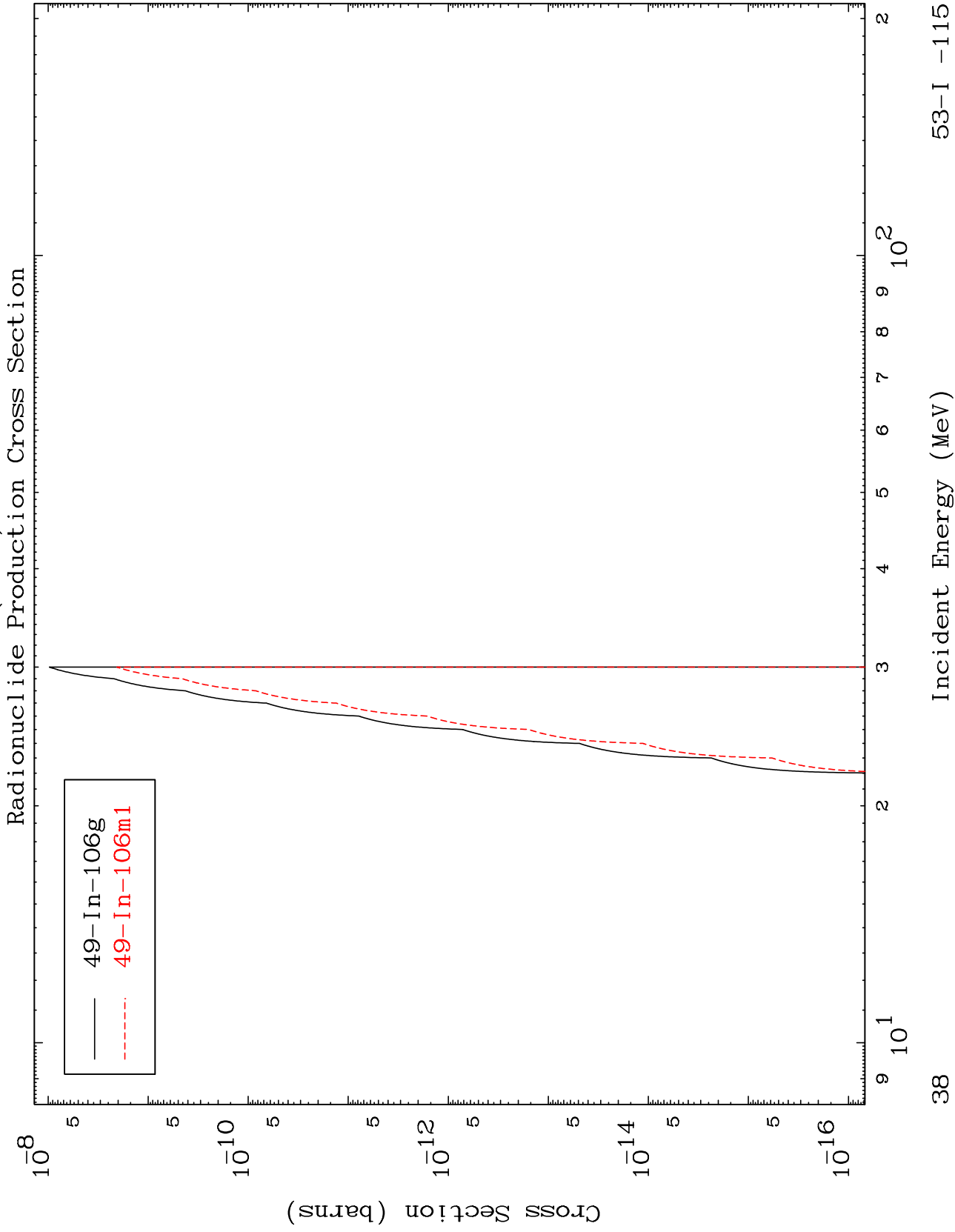
Radionuclide Production Cross Section



MAT 5289

(n,2n) 2α

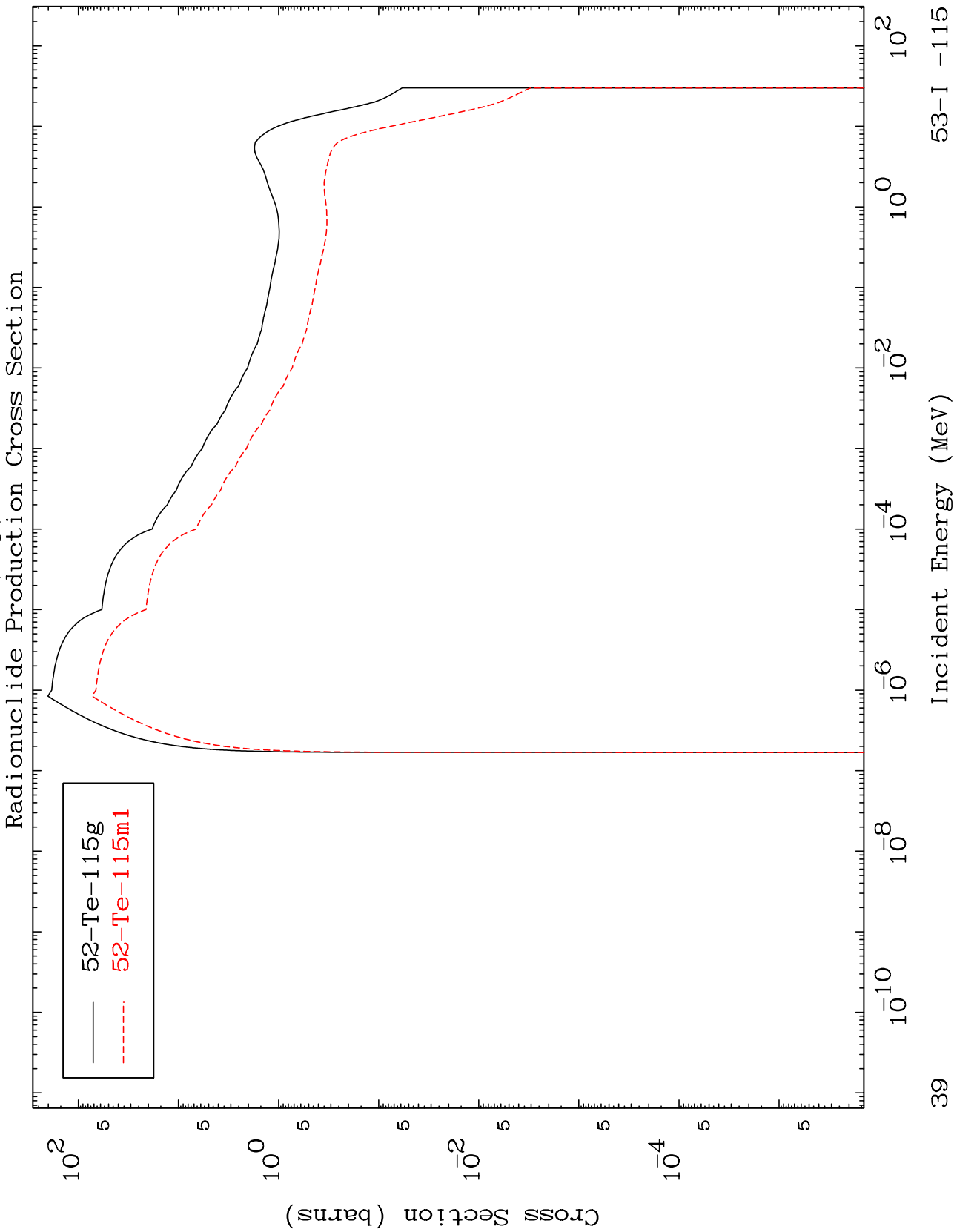
53-I -115



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MAT 5289

53-I -115



— 52-Te-115g  
- - - 52-Te-115m1

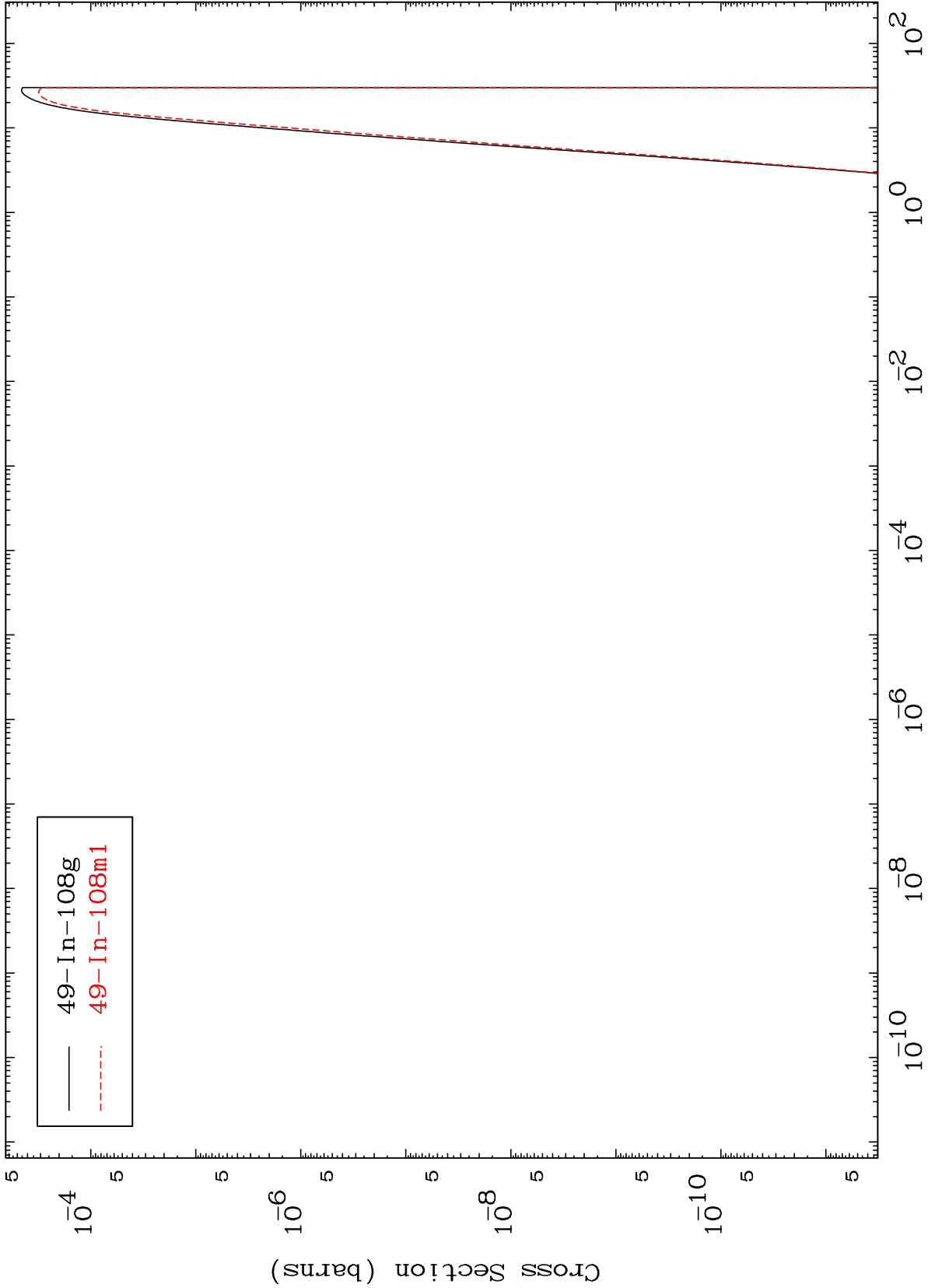


MAT 5289

(n,2α)

53-I -115

Radionuclide Production Cross Section



49-I-108g  
49-I-108m1

40

Incident Energy (MeV)

53-I -115

MAT 5289

(n,3α)

53-I -115

Radionuclide Production Cross Section

