

Program EVALPLOT  
(Version 2021-1)

by

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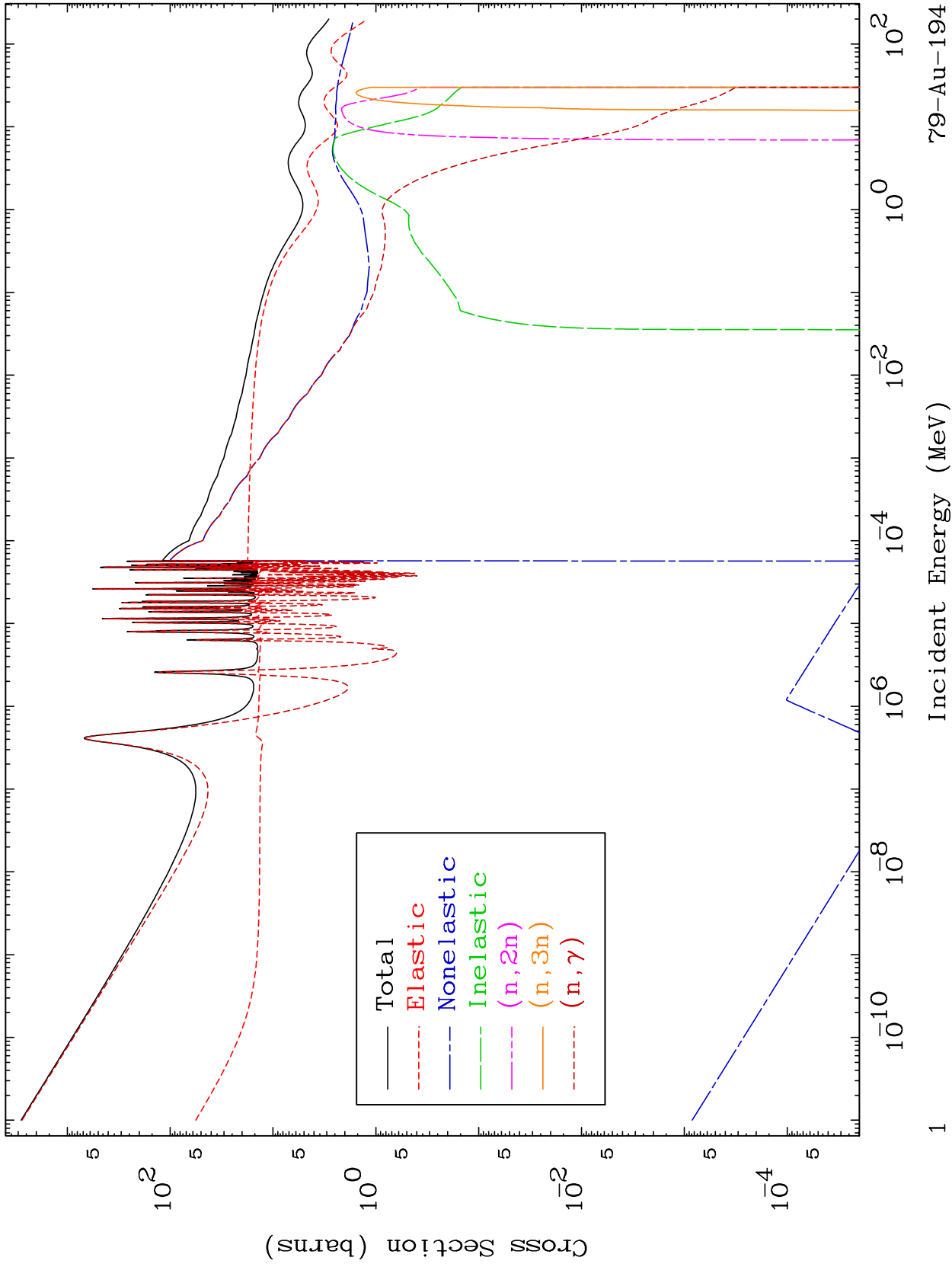
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

Press Mouse Button to Start

MAT 7916

Neutron Major  
293 Kelvin Cross Sections

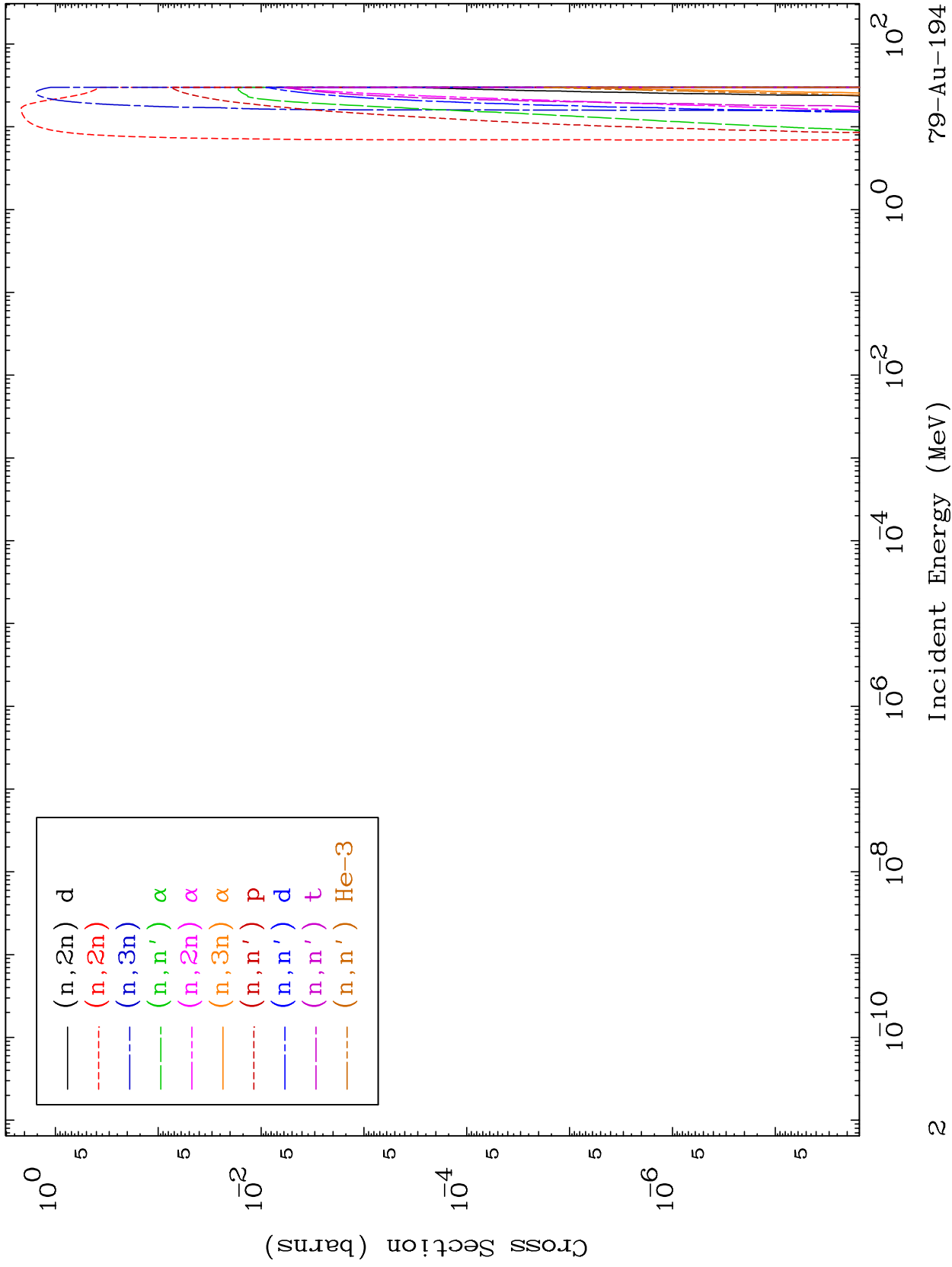
79-Au-194



MAT 7916

Neutron Absorption  
293 Kelvin Cross Sections

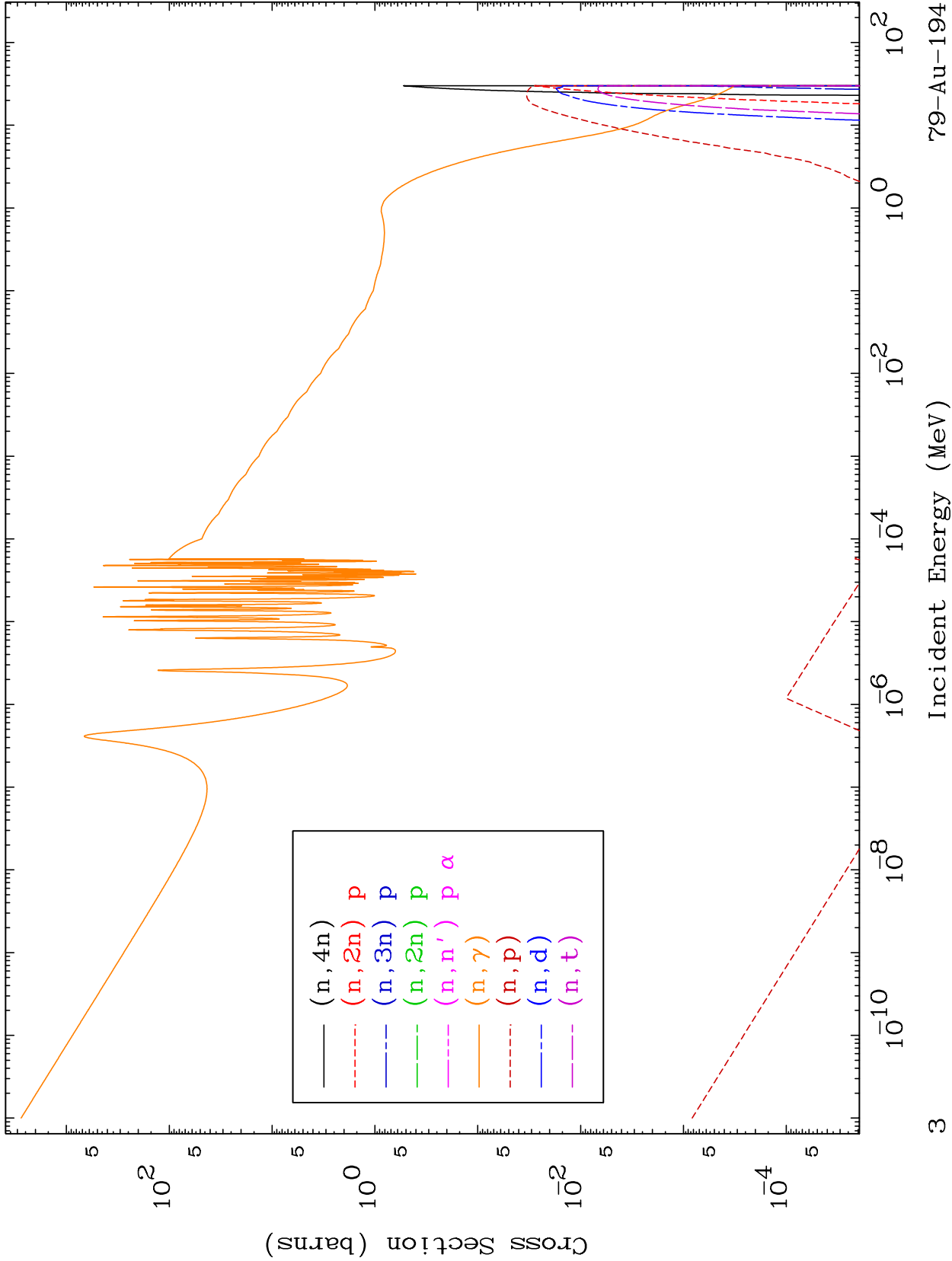
79-Au-194



MAT 7916

Neutron Absorption  
293 Kelvin Cross Sections

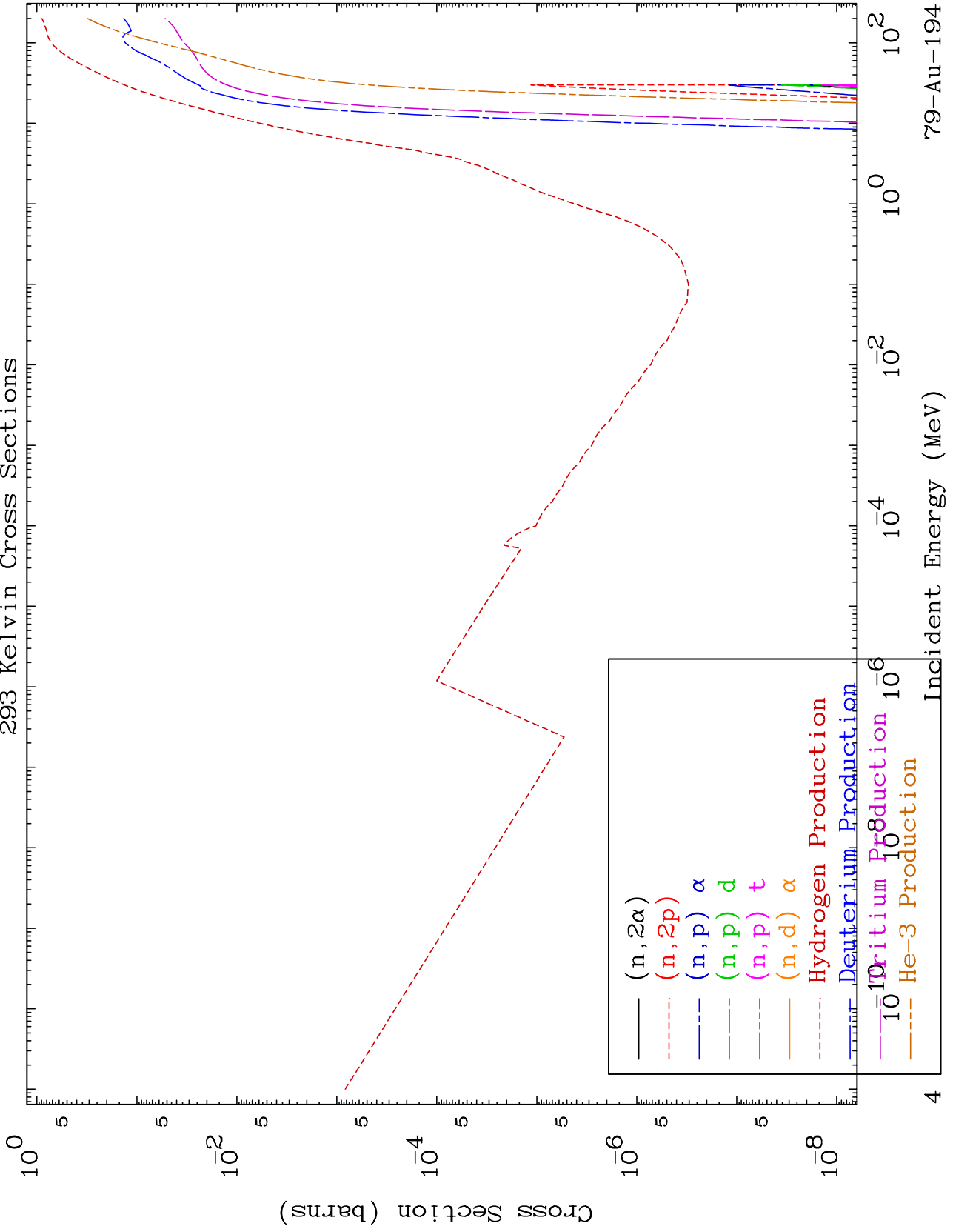
79-Au-194



MAT 7916

Neutron Absorption  
293 Kelvin Cross Sections

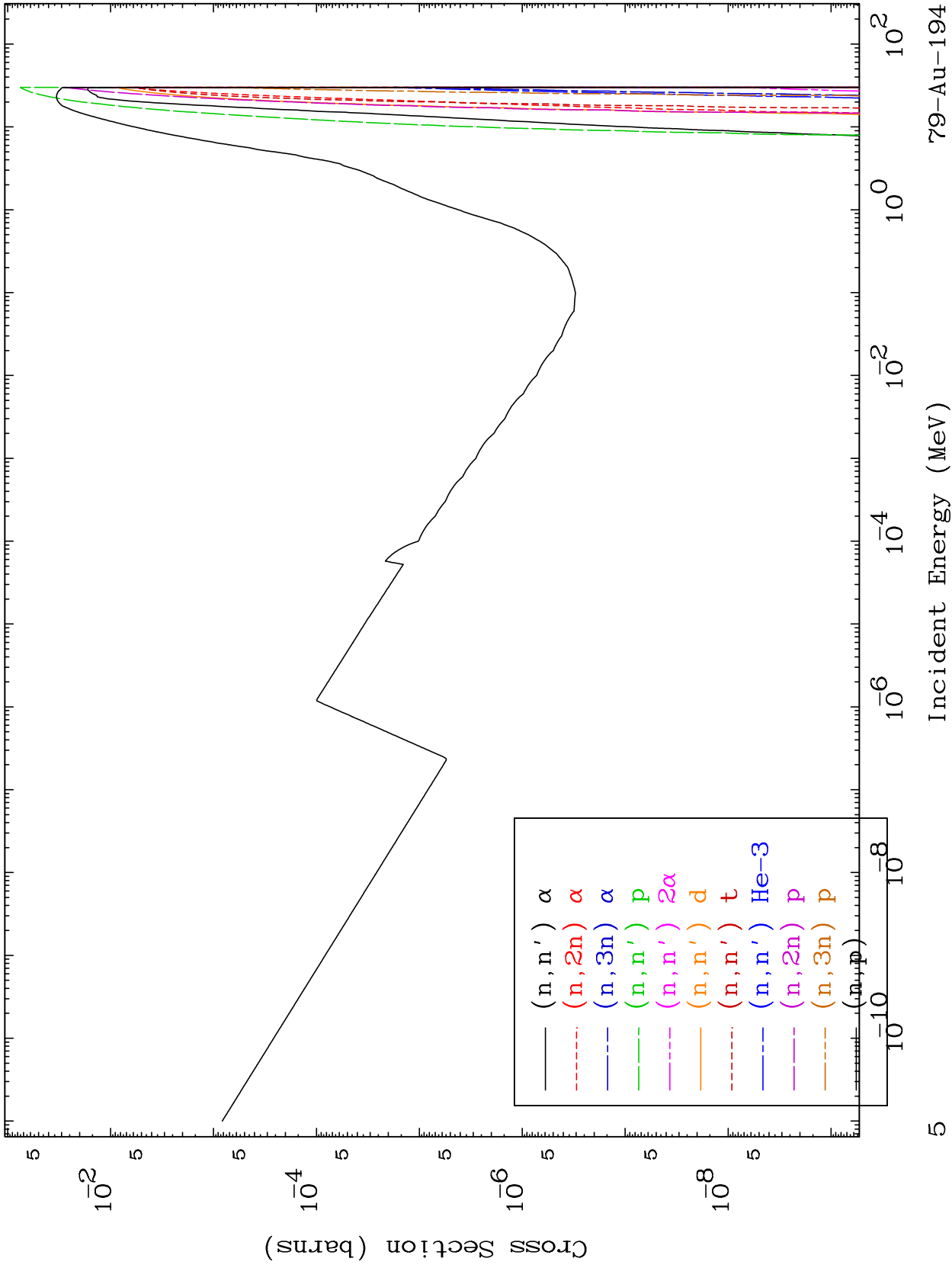
79-Au-194



MAT 7916

Charged Particle  
293 Kelvin Cross Sections

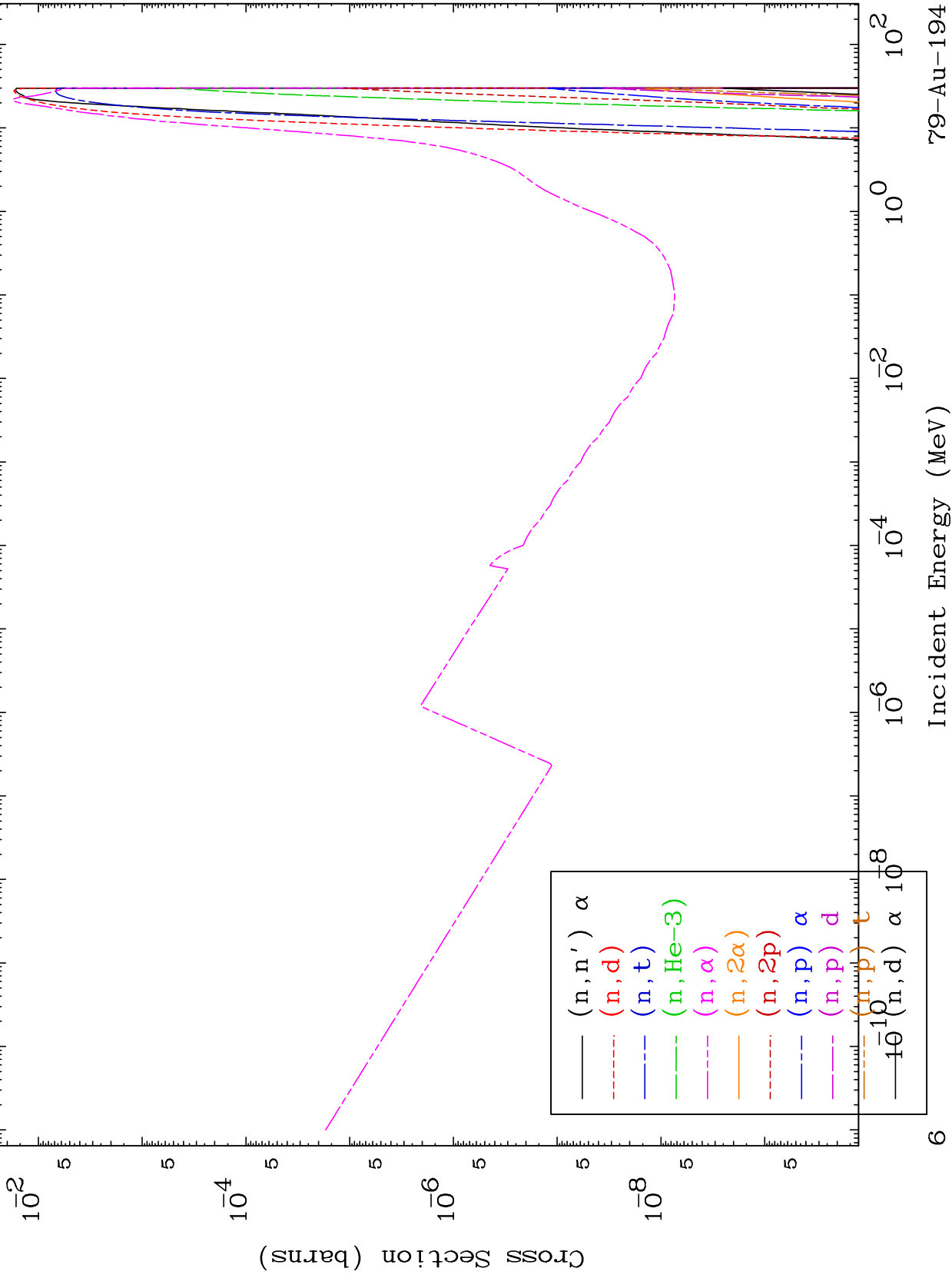
79-Au-194



MAT 7916

Charged Particle  
293 Kelvin Cross Sections

79-Au-194



79-Au-194

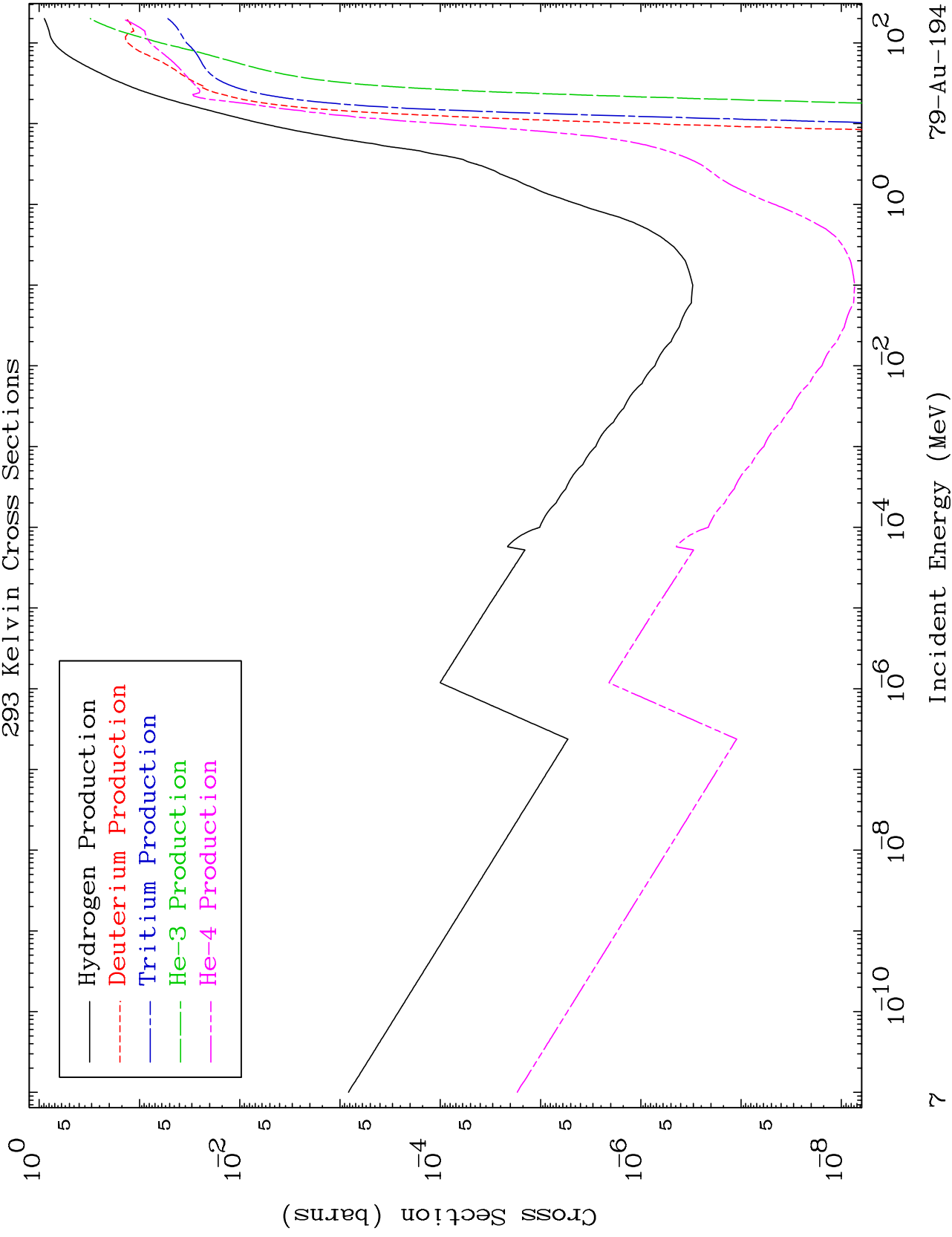
Incident Energy (MeV)

6

MAT 7916

Particle Production  
293 Kelvin Cross Sections

79-Au-194

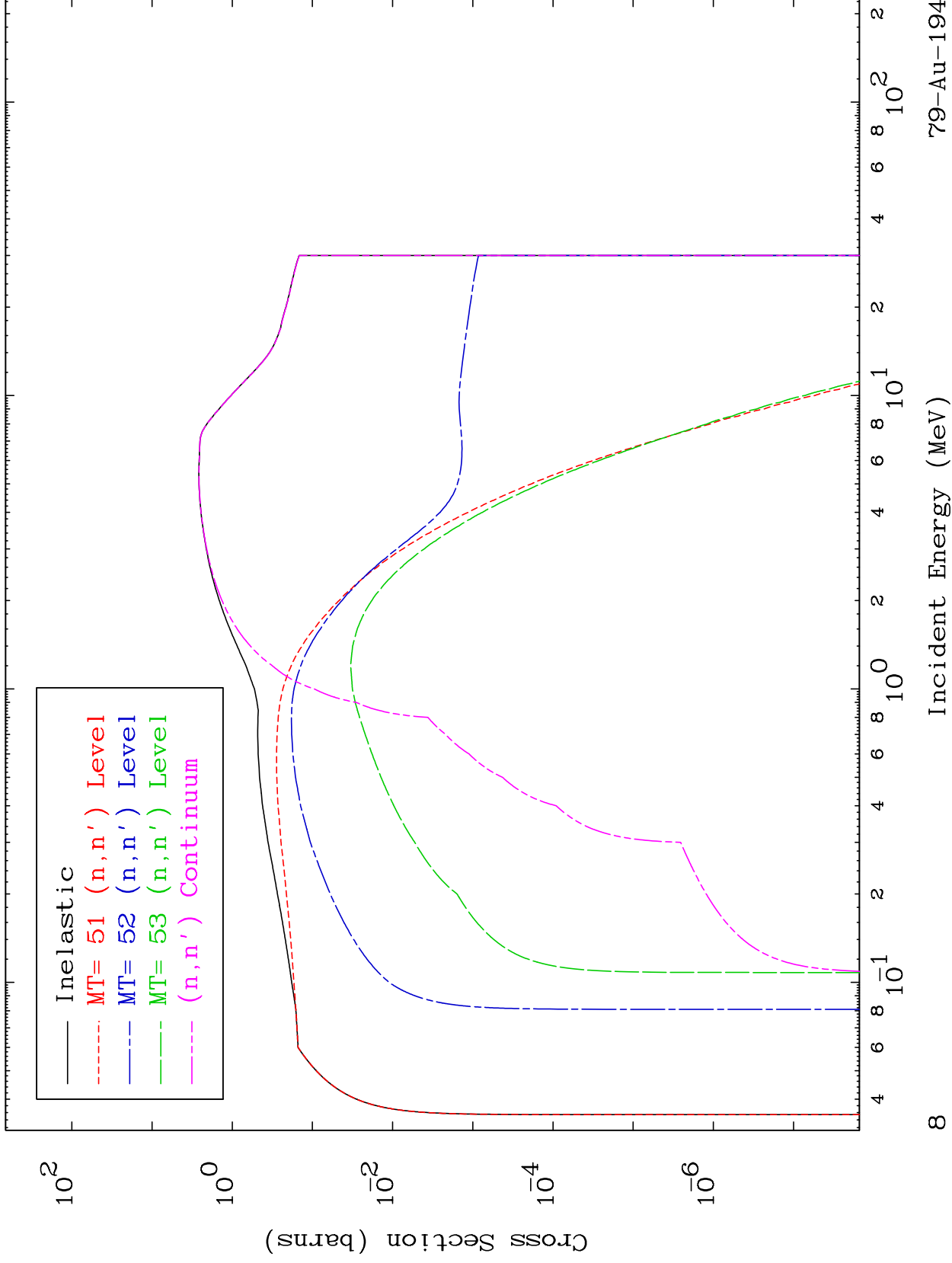




MAT 7916

(n,n') Levels  
293 Kelvin Cross Sections

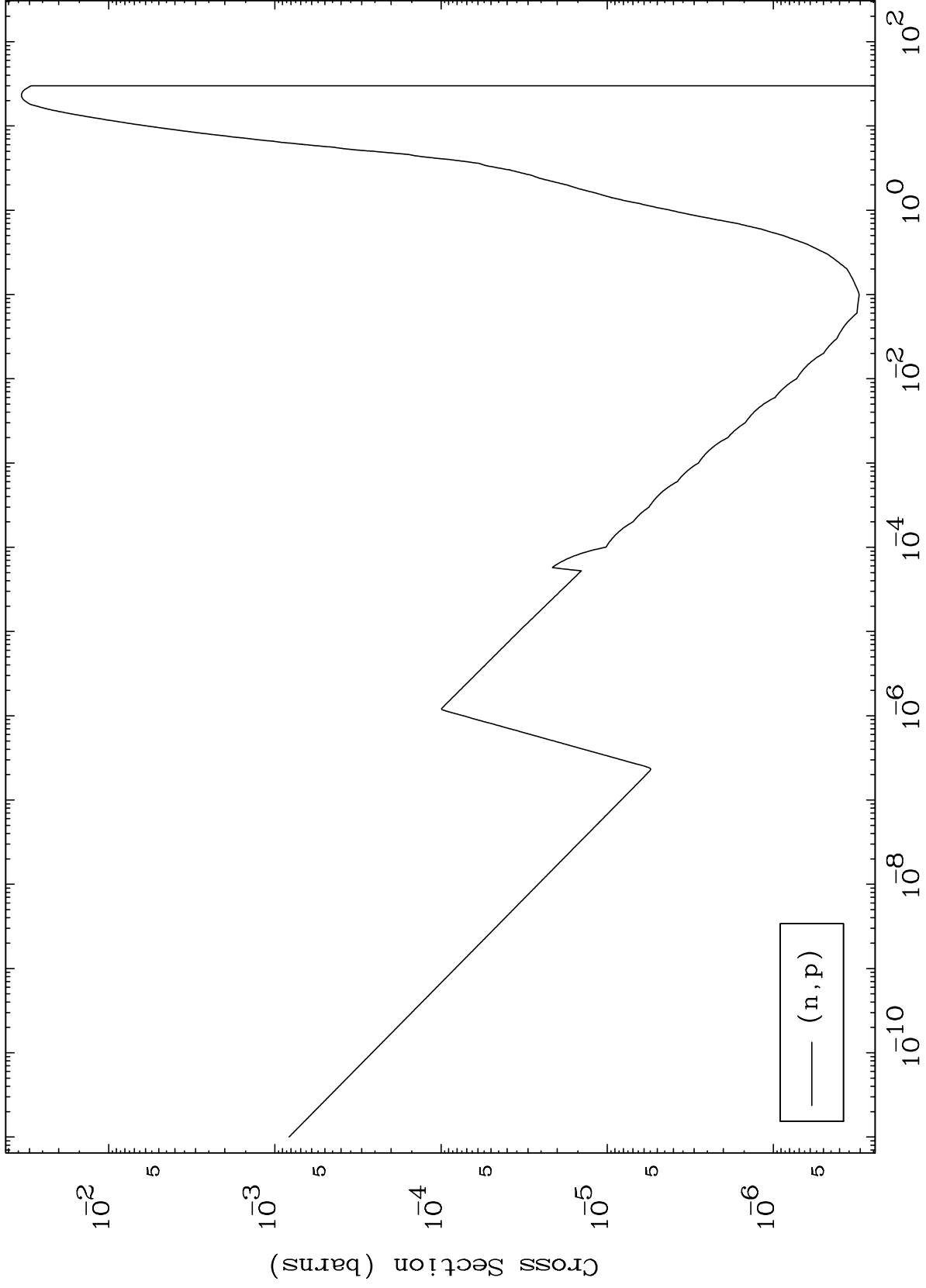
79-Au-194



MAT 7916

(n,p) Levels  
293 Kelvin Cross Sections

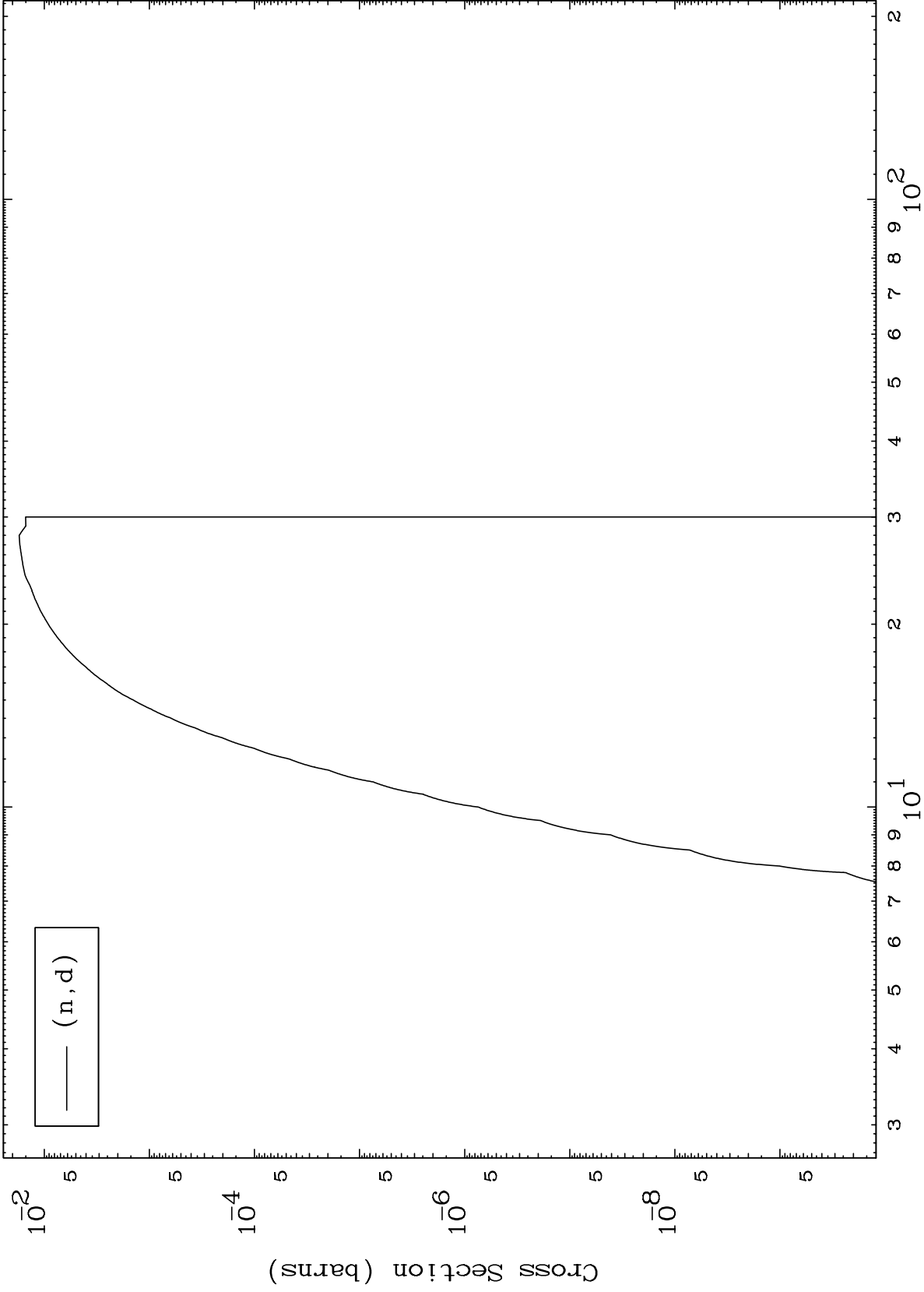
79-Au-194



MAT 7916

(n,d) Levels  
293 Kelvin Cross Sections

79-Au-194



10

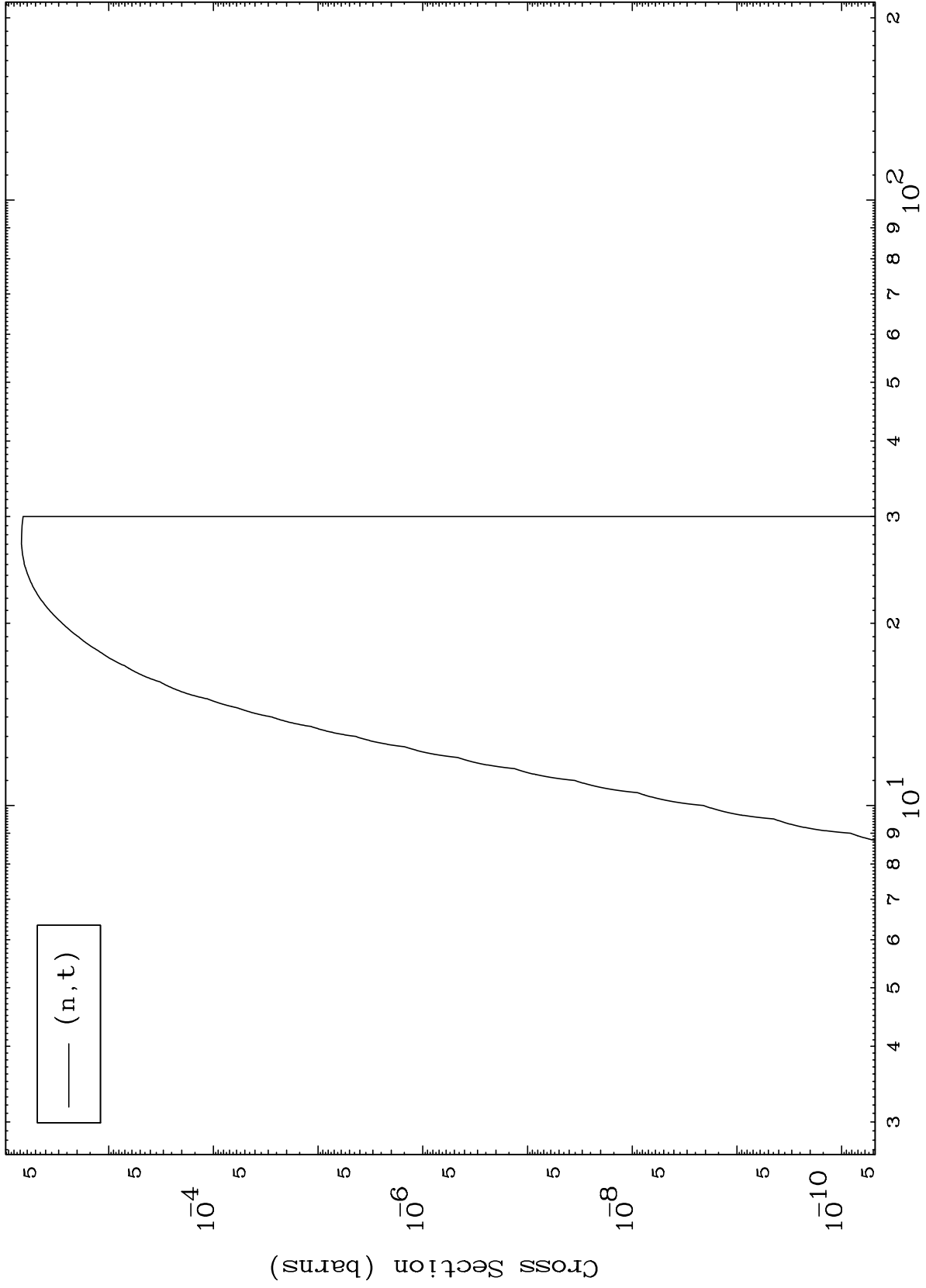
Incident Energy (MeV)

79-Au-194

MAT 7916

(n,t) Levels  
293 Kelvin Cross Sections

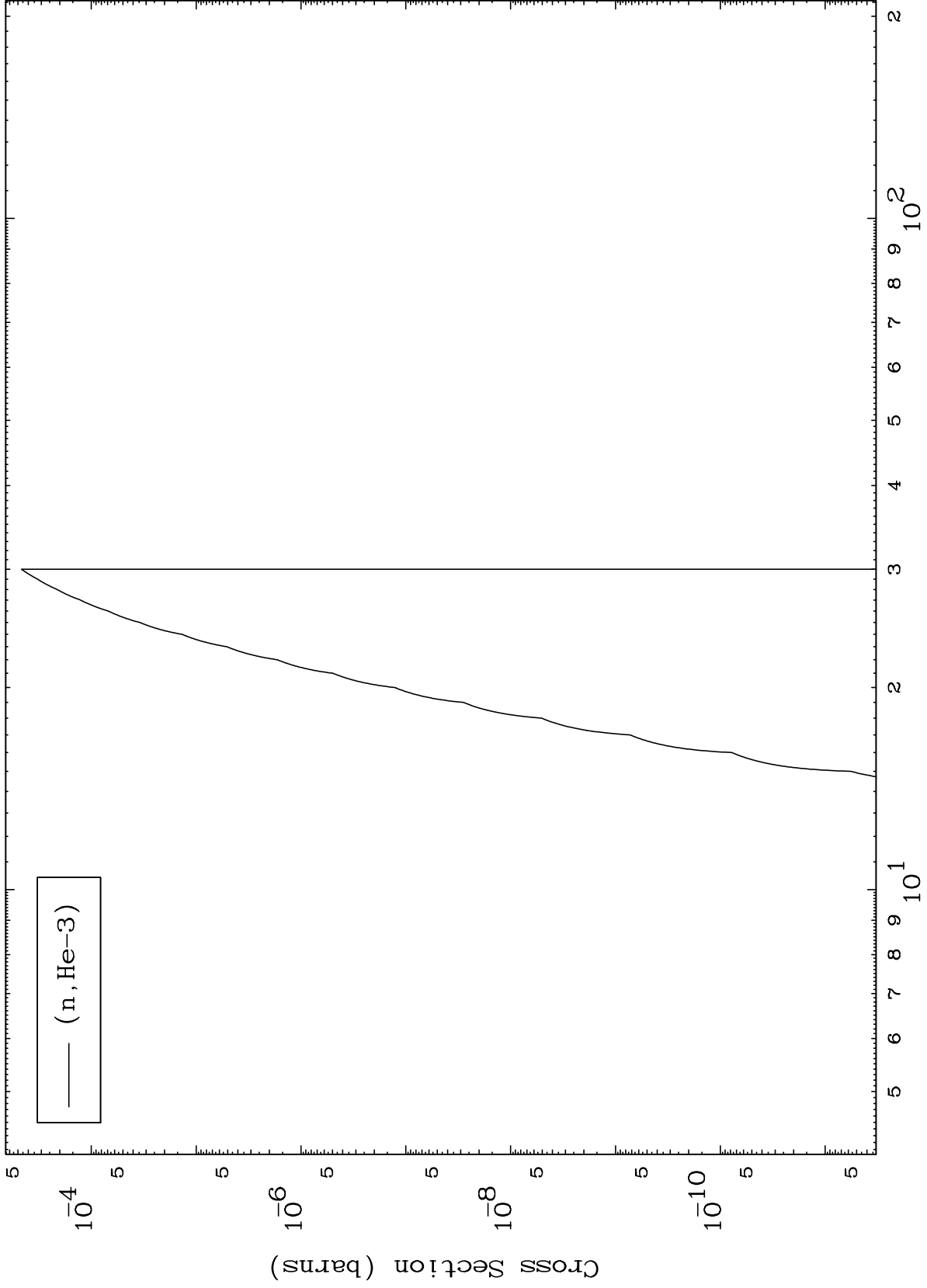
79-Au-194



MAT 7916

(n,He3) Levels  
293 Kelvin Cross Sections

79-Au-194



12

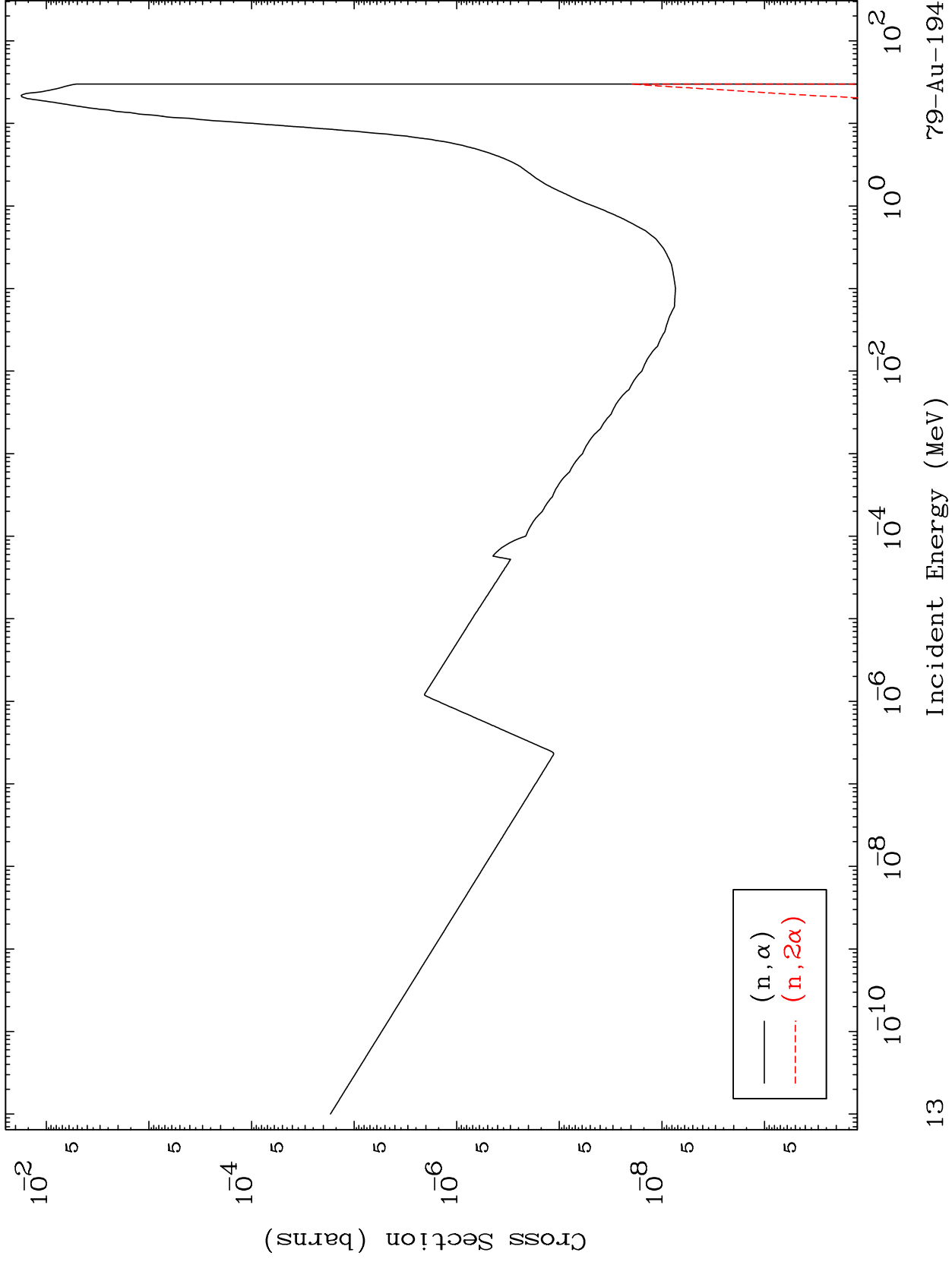
Incident Energy (MeV)

79-Au-194

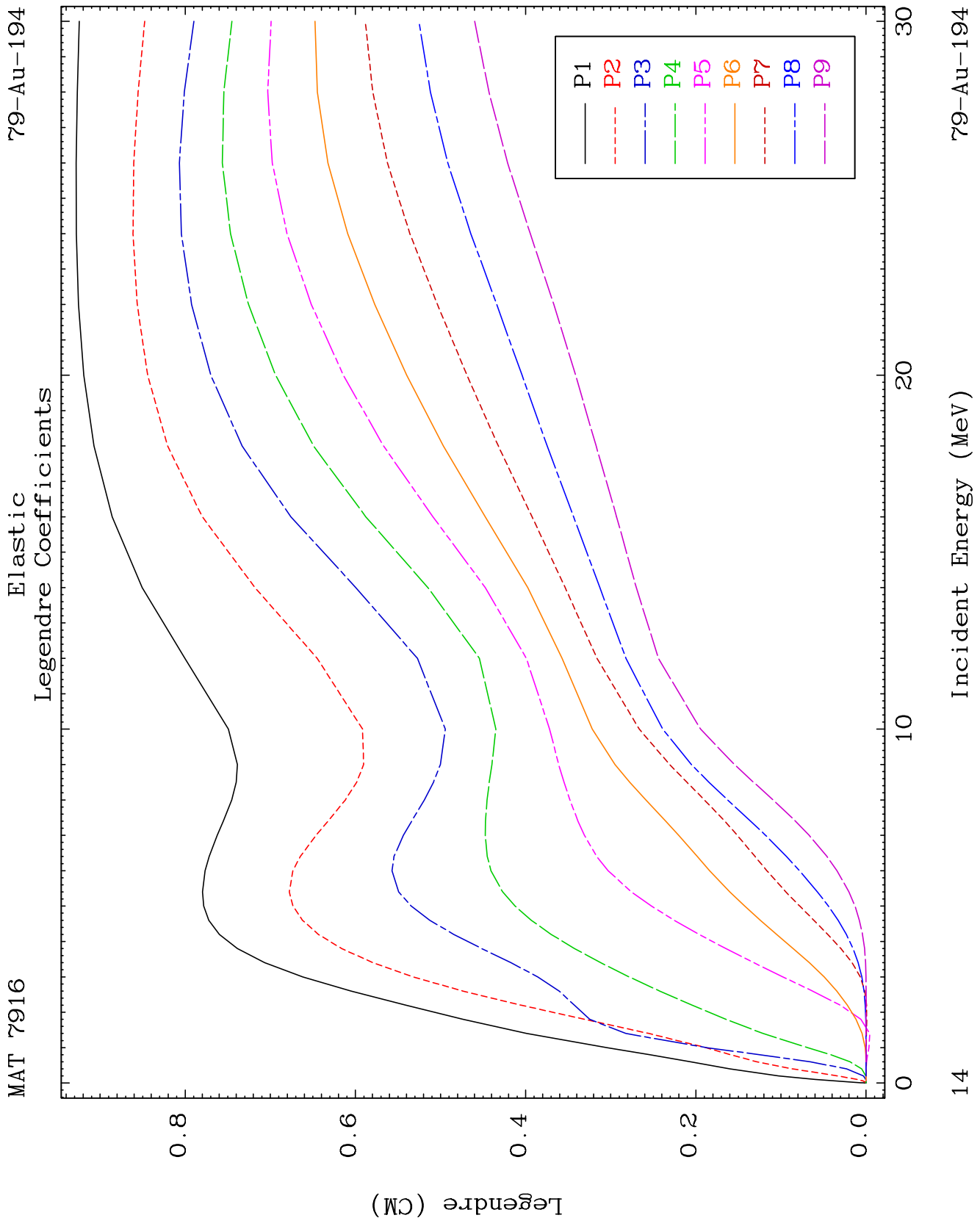
MAT 7916

(n,α) Levels  
293 Kelvin Cross Sections

79-Au-194



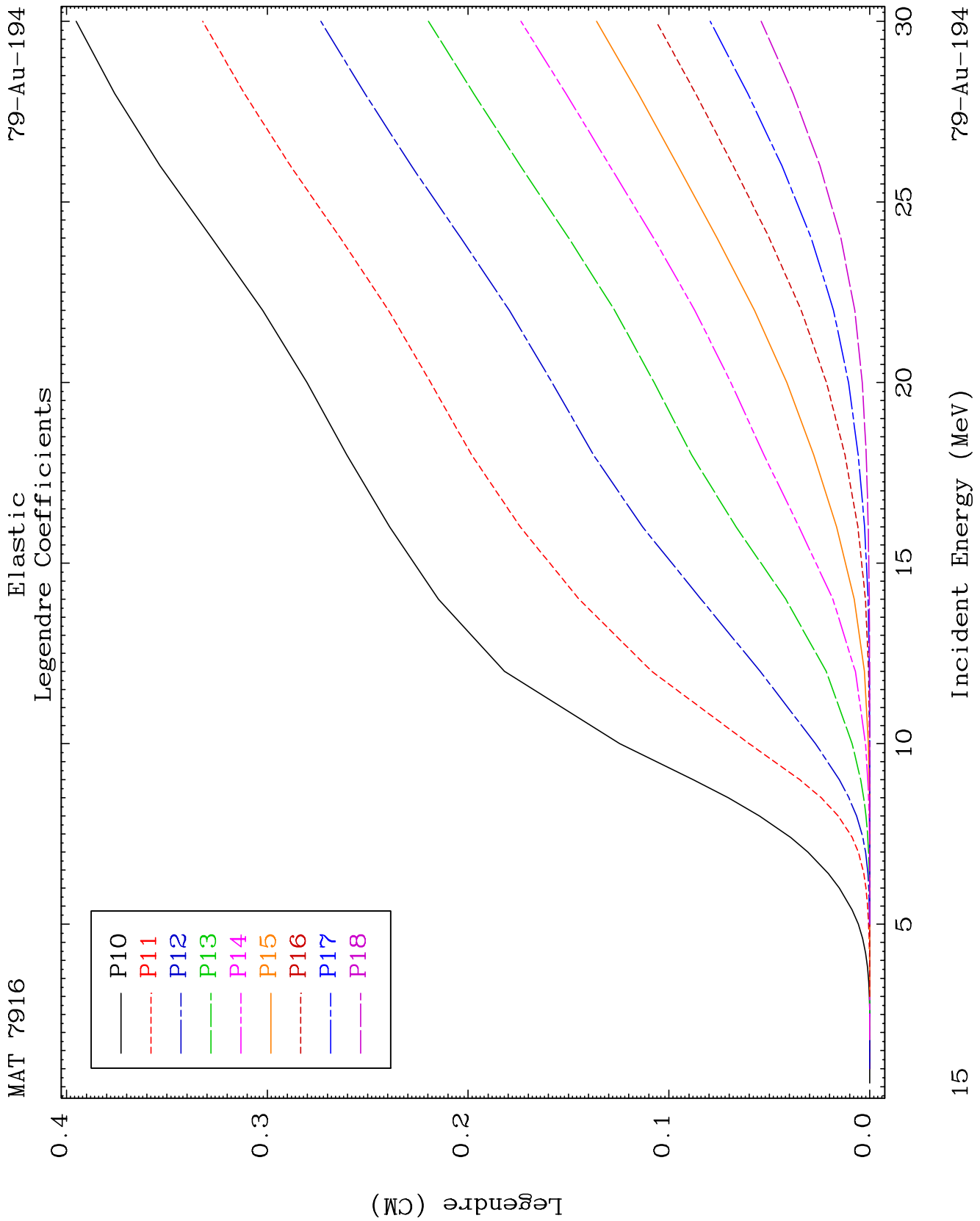
13



79-Au-194

Incident Energy (MeV)

14

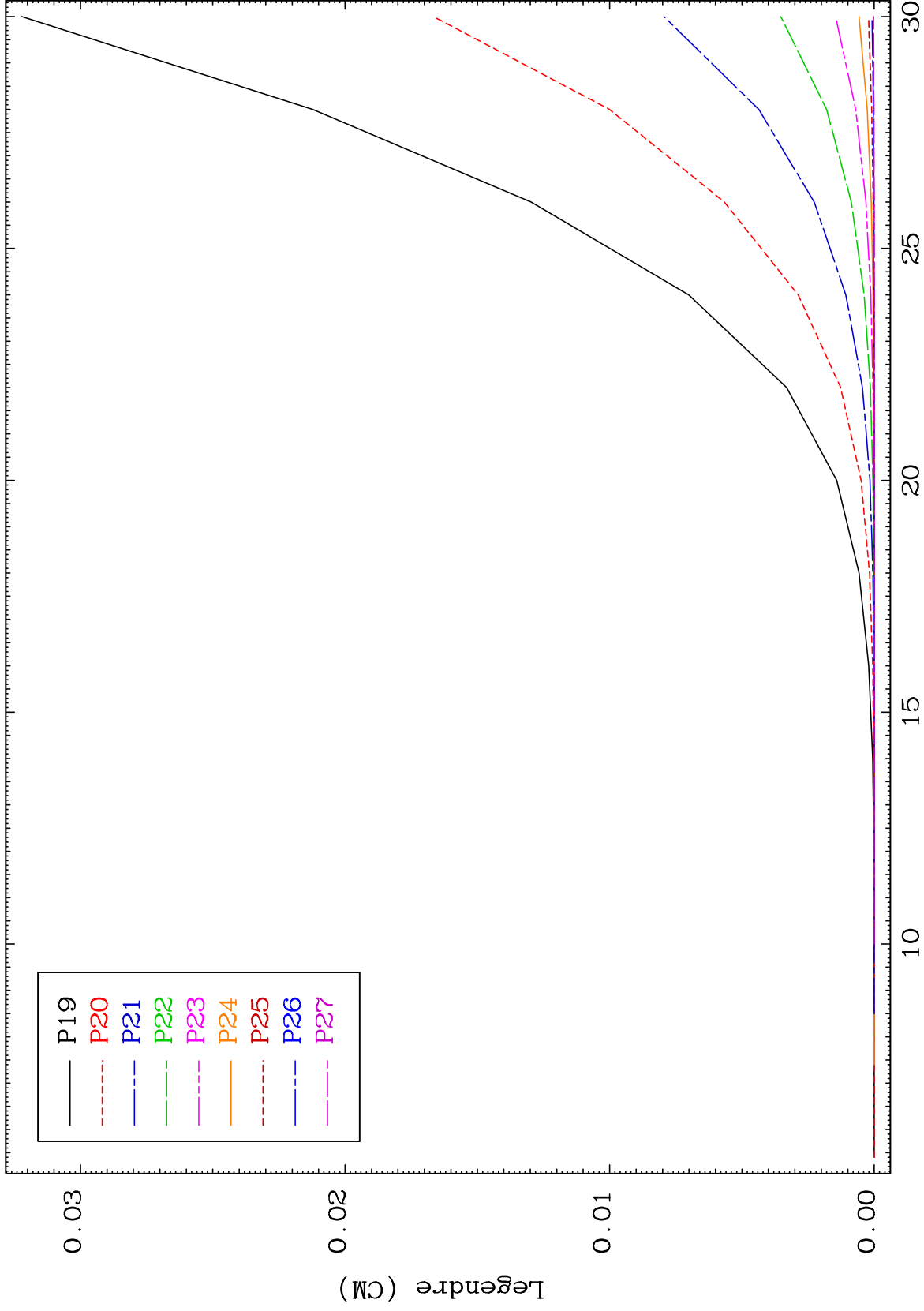




MAT 7916

### Elastic Legendre Coefficients

79-Au-194



16

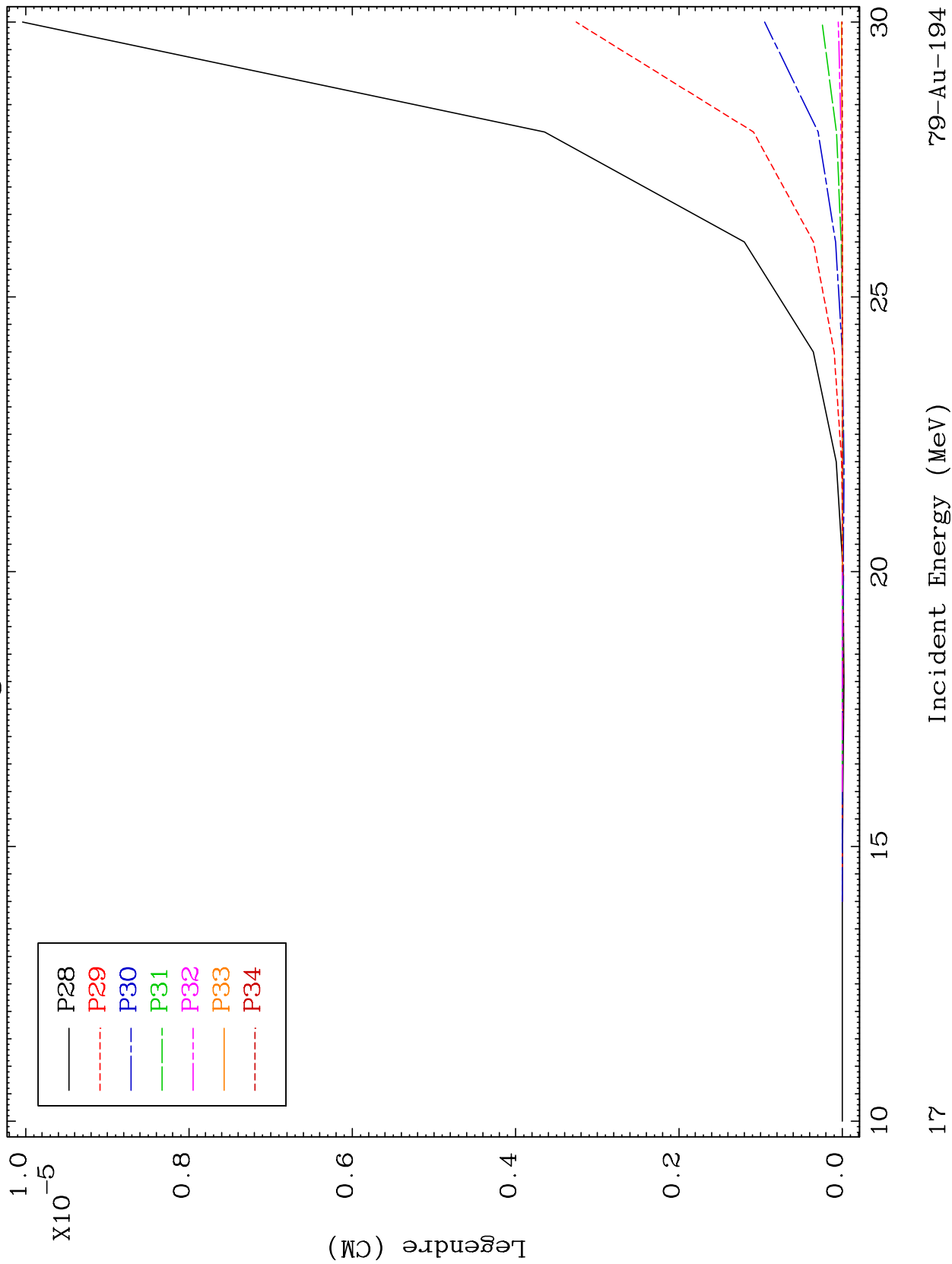
Incident Energy (MeV)

79-Au-194

MAT 7916

Elastic Legendre Coefficients

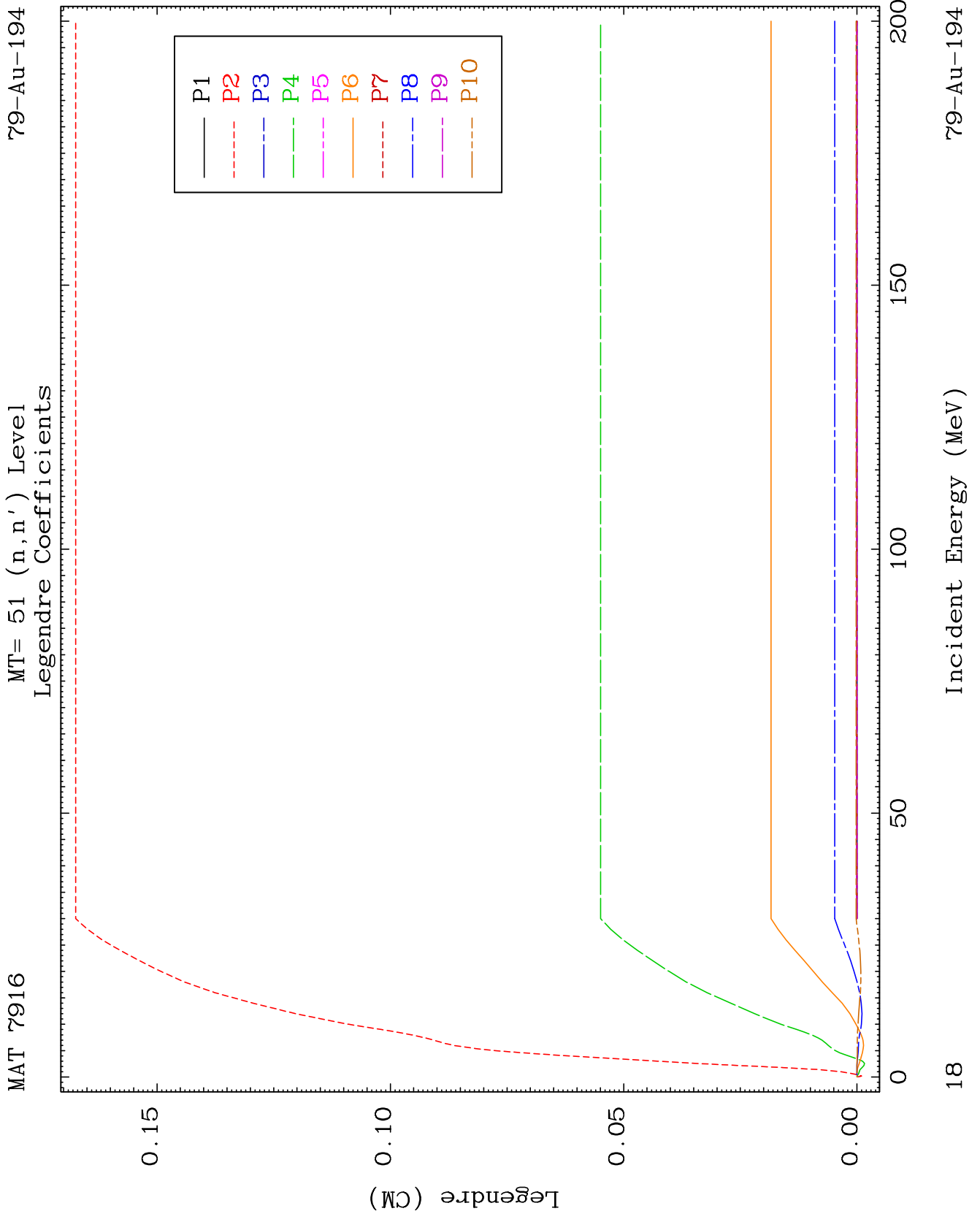
79-Au-194



17

Incident Energy (MeV)

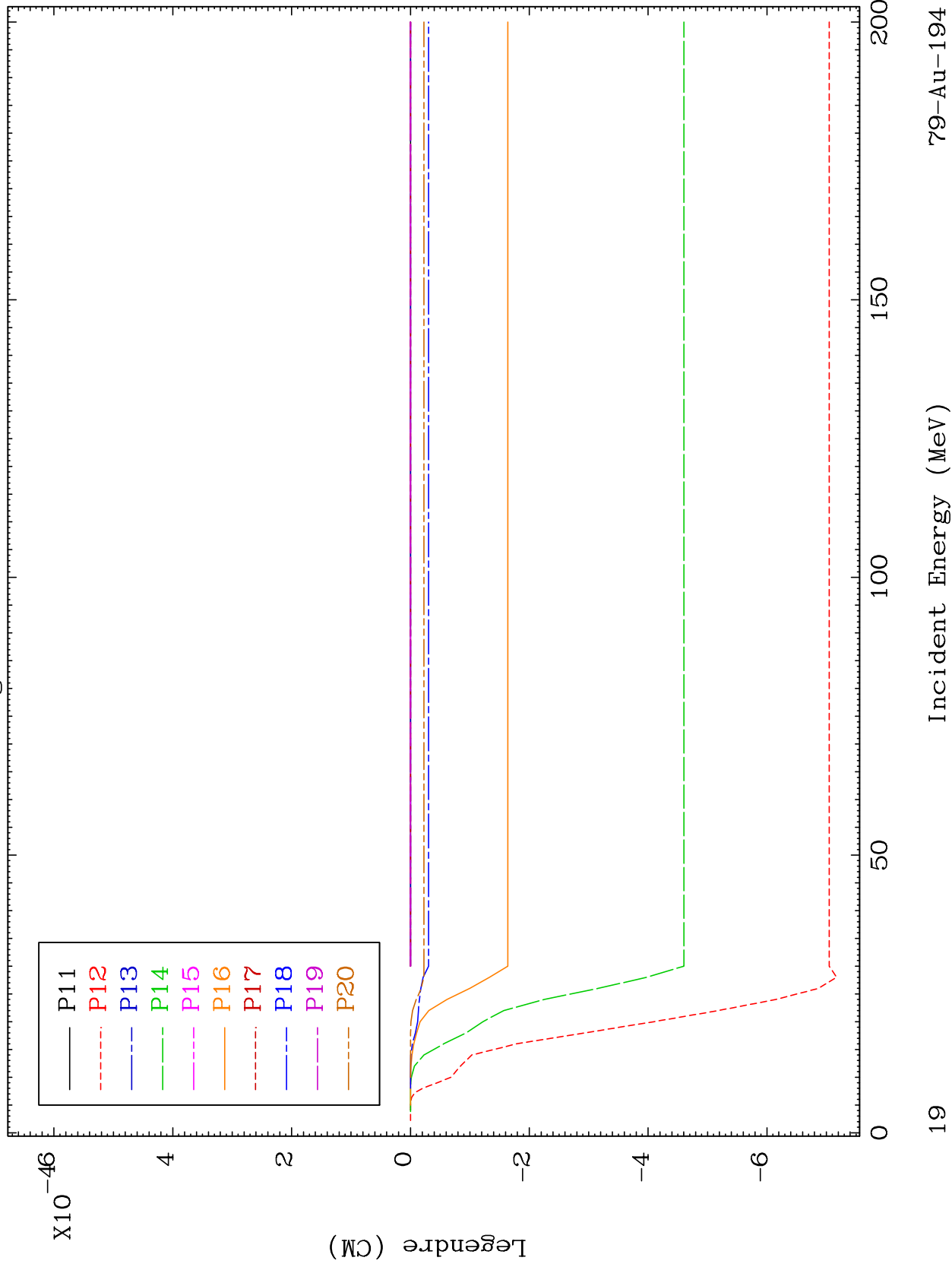
79-Au-194



MAT 7916

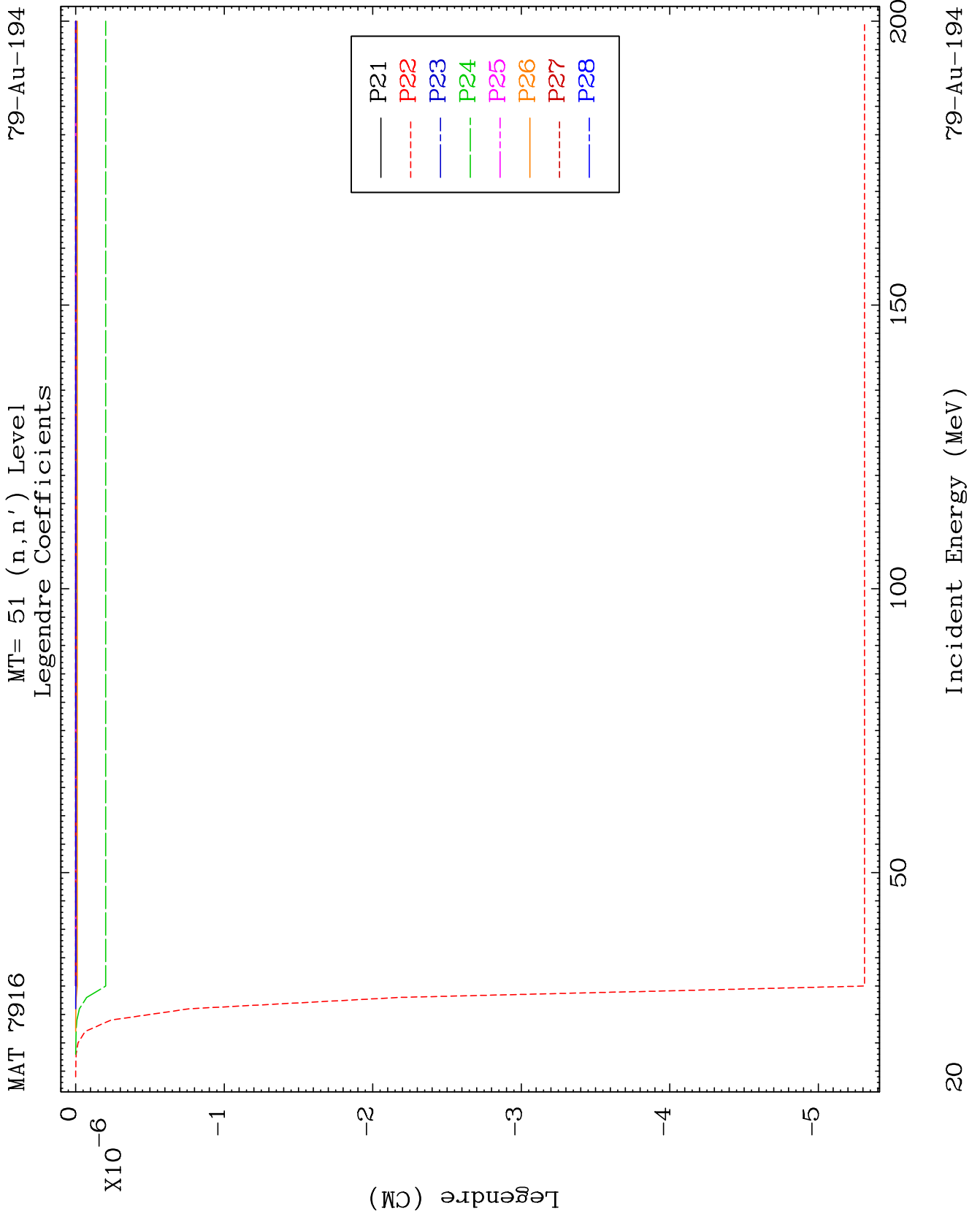
MT= 51 (n,n') Level  
Legendre Coefficients

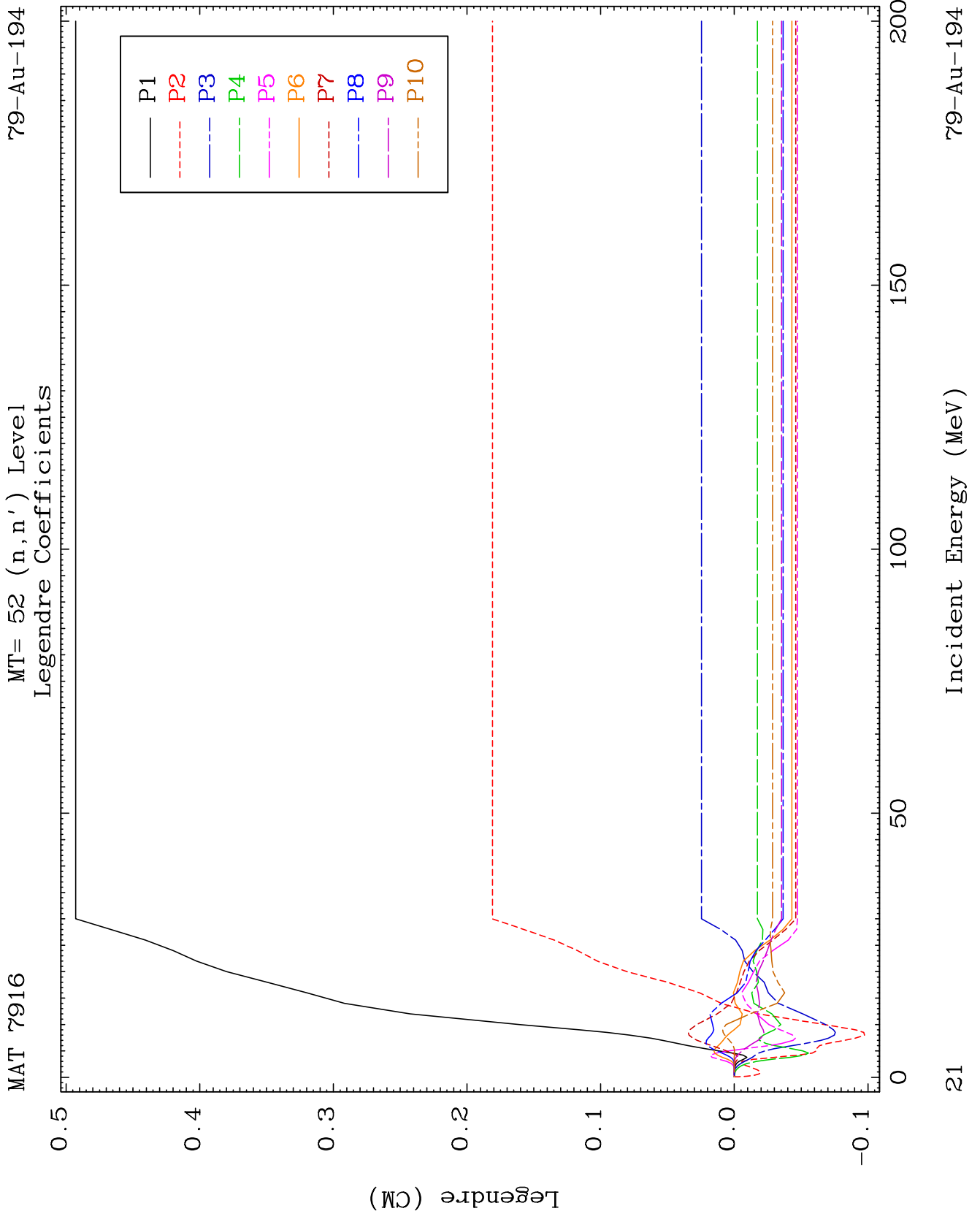
79-Au-194



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79-Au-194

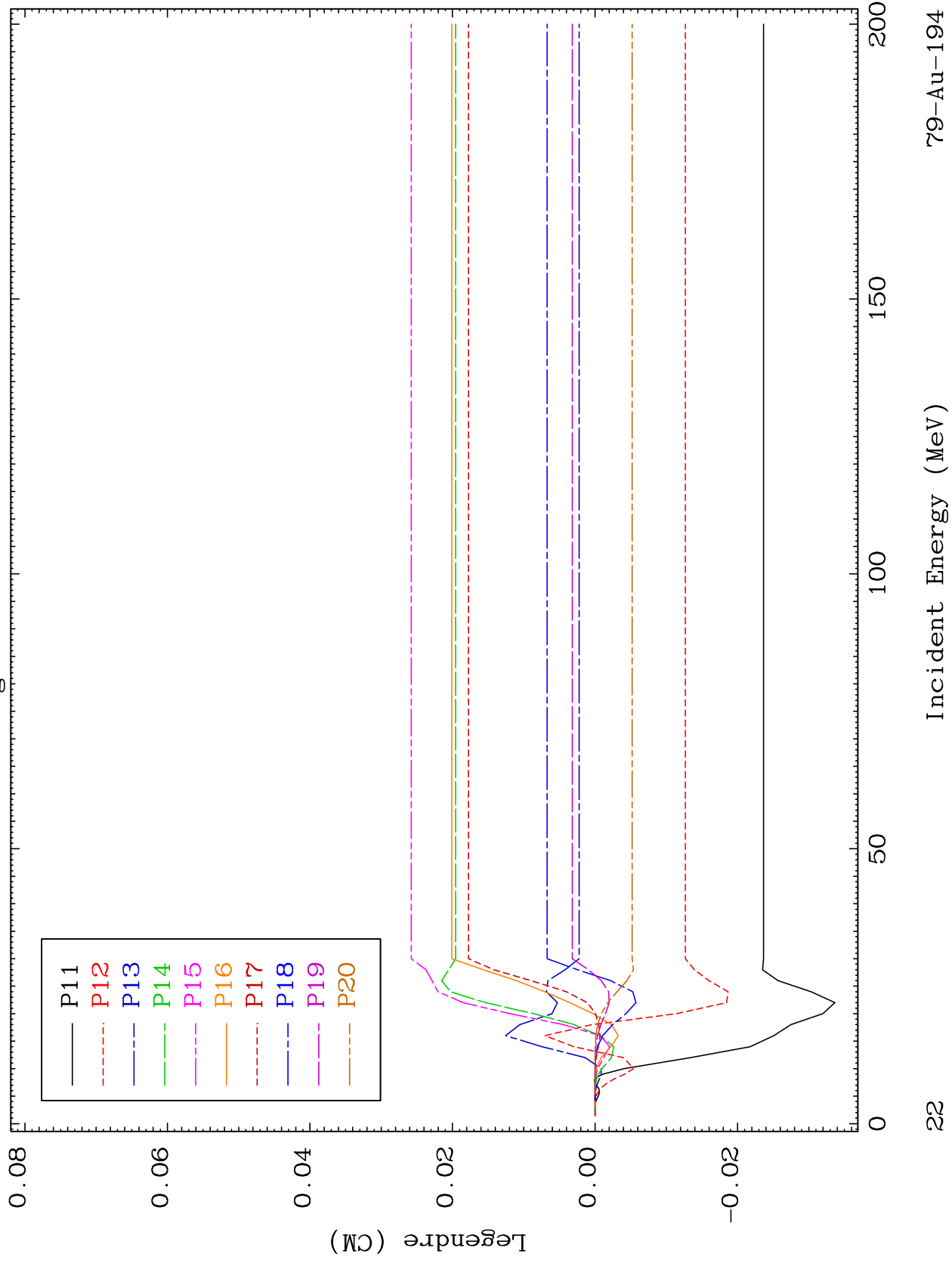




MAT 7916

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

79-Au-194



22

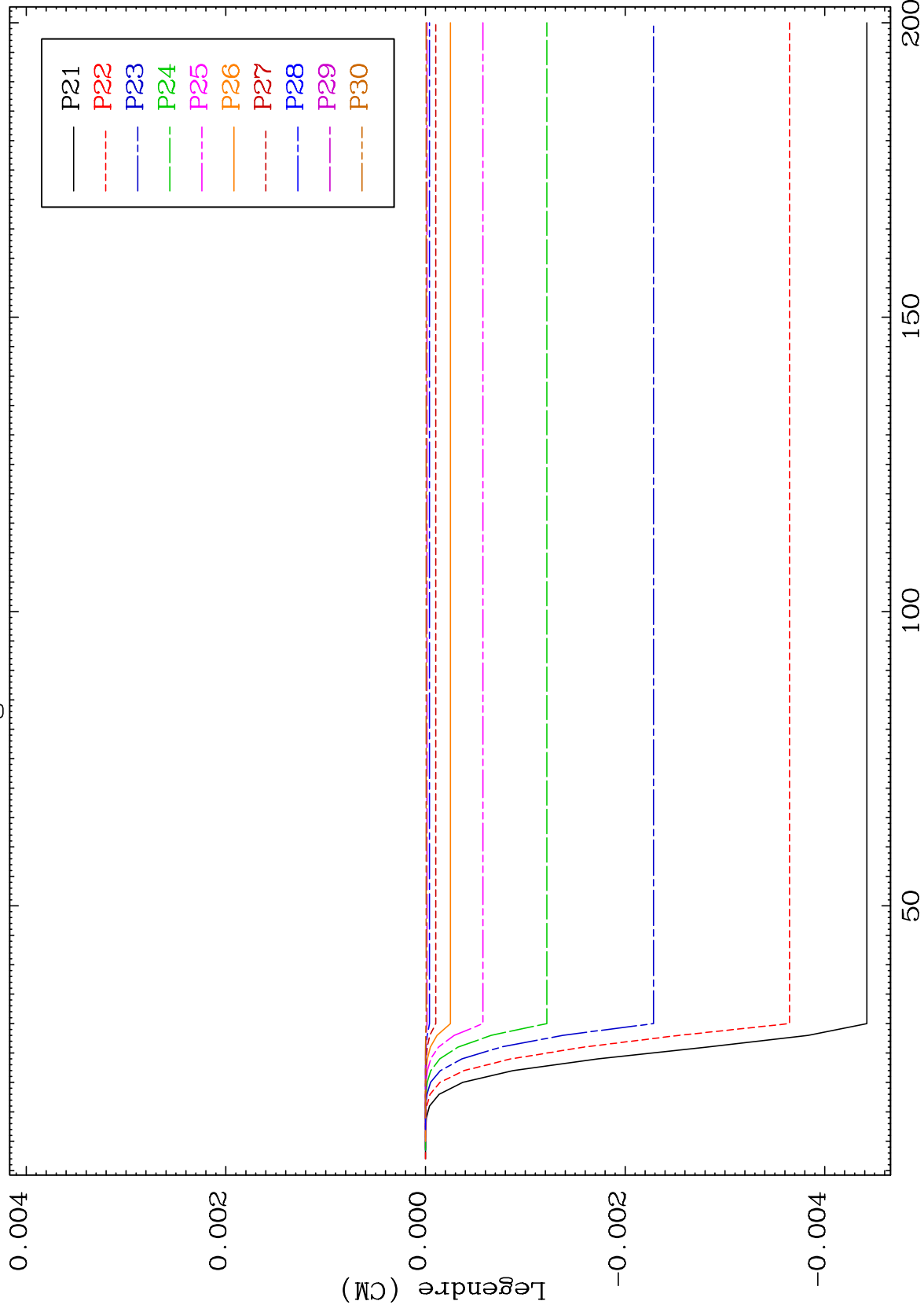
Incident Energy (MeV)

79-Au-194

MAT 7916

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

79-Au-194

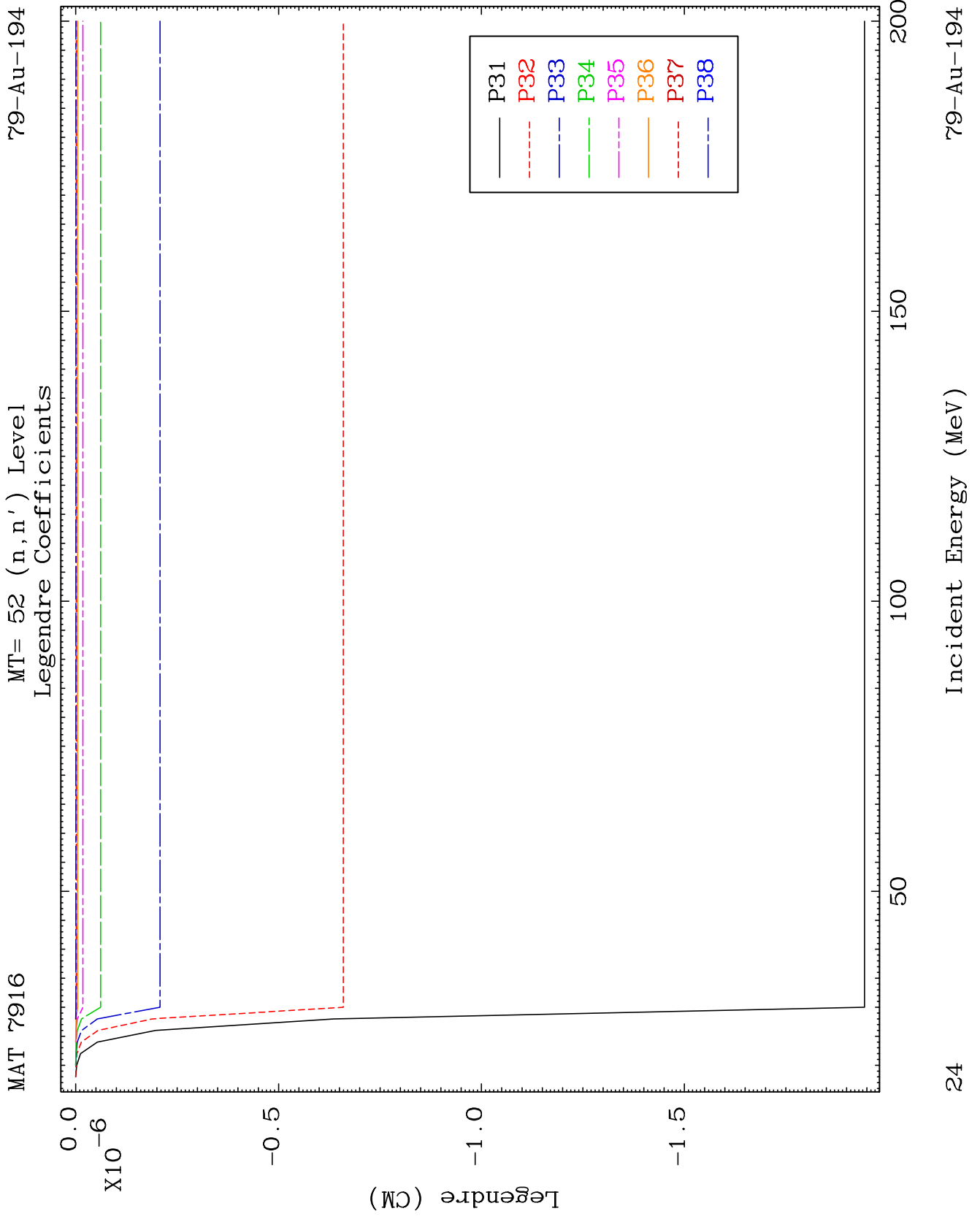


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Incident Energy (MeV)

79-Au-194

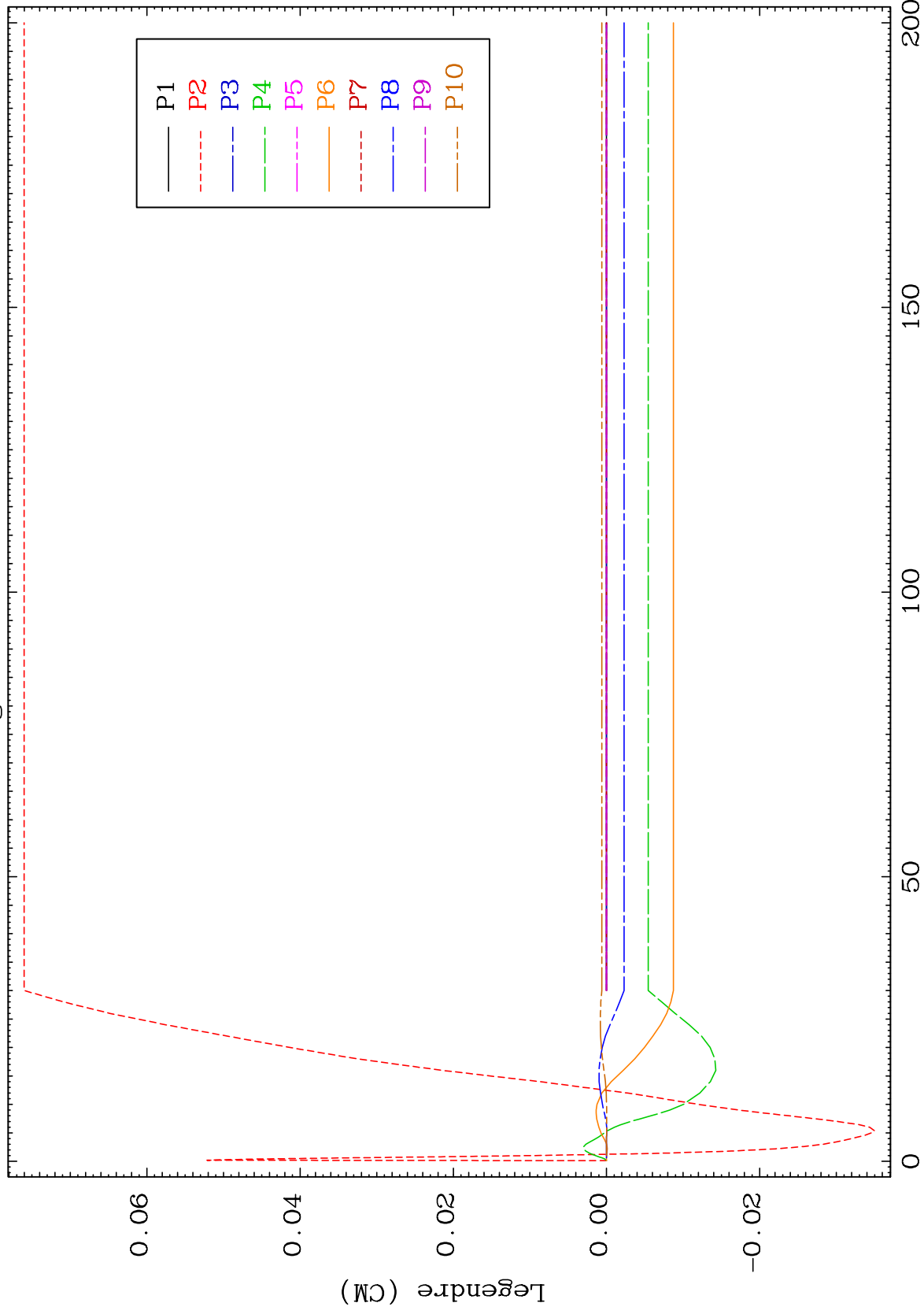




MAT 7916

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

79-Au-194



79-Au-194

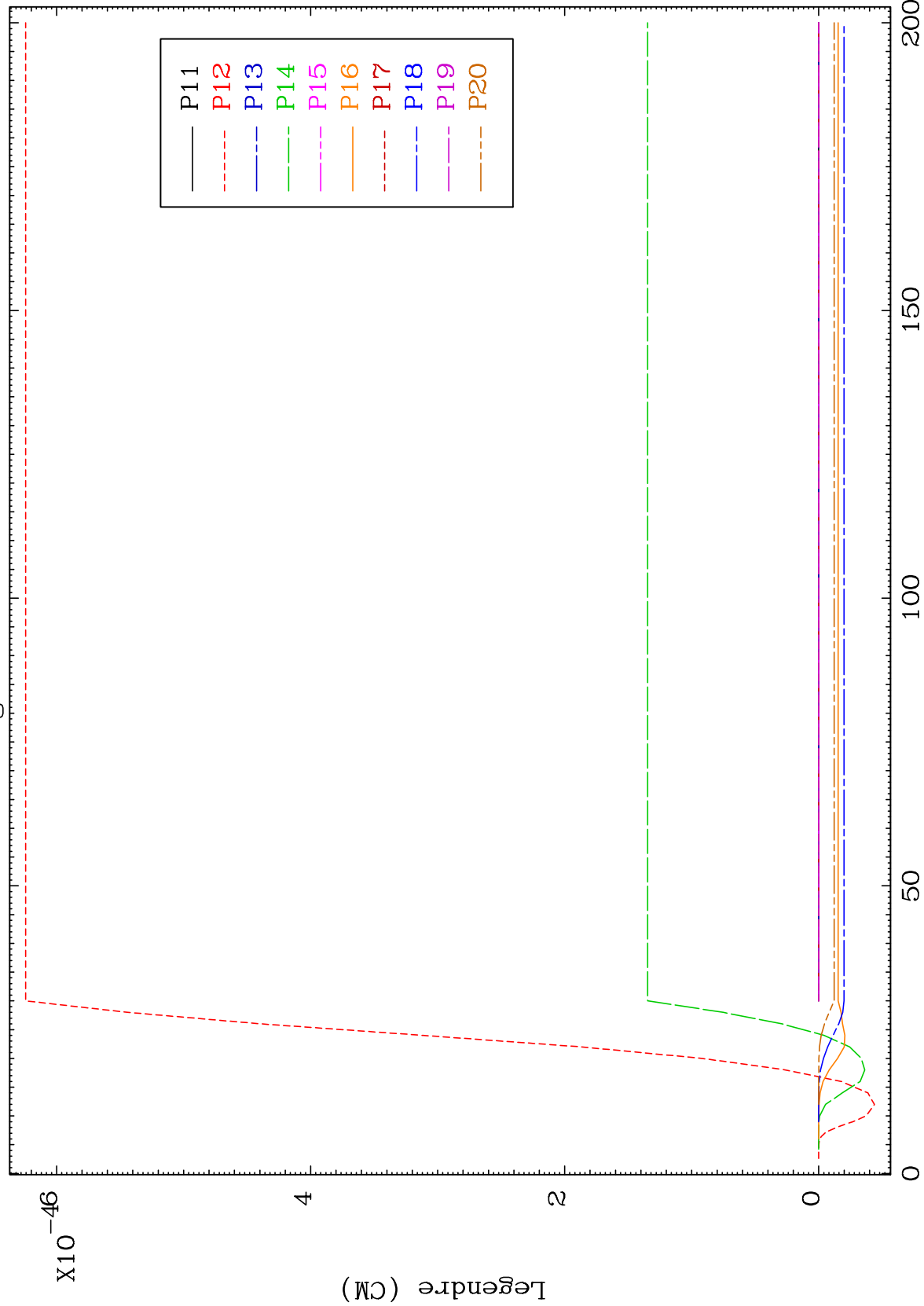
Incident Energy (MeV)

25

MAT 7916

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

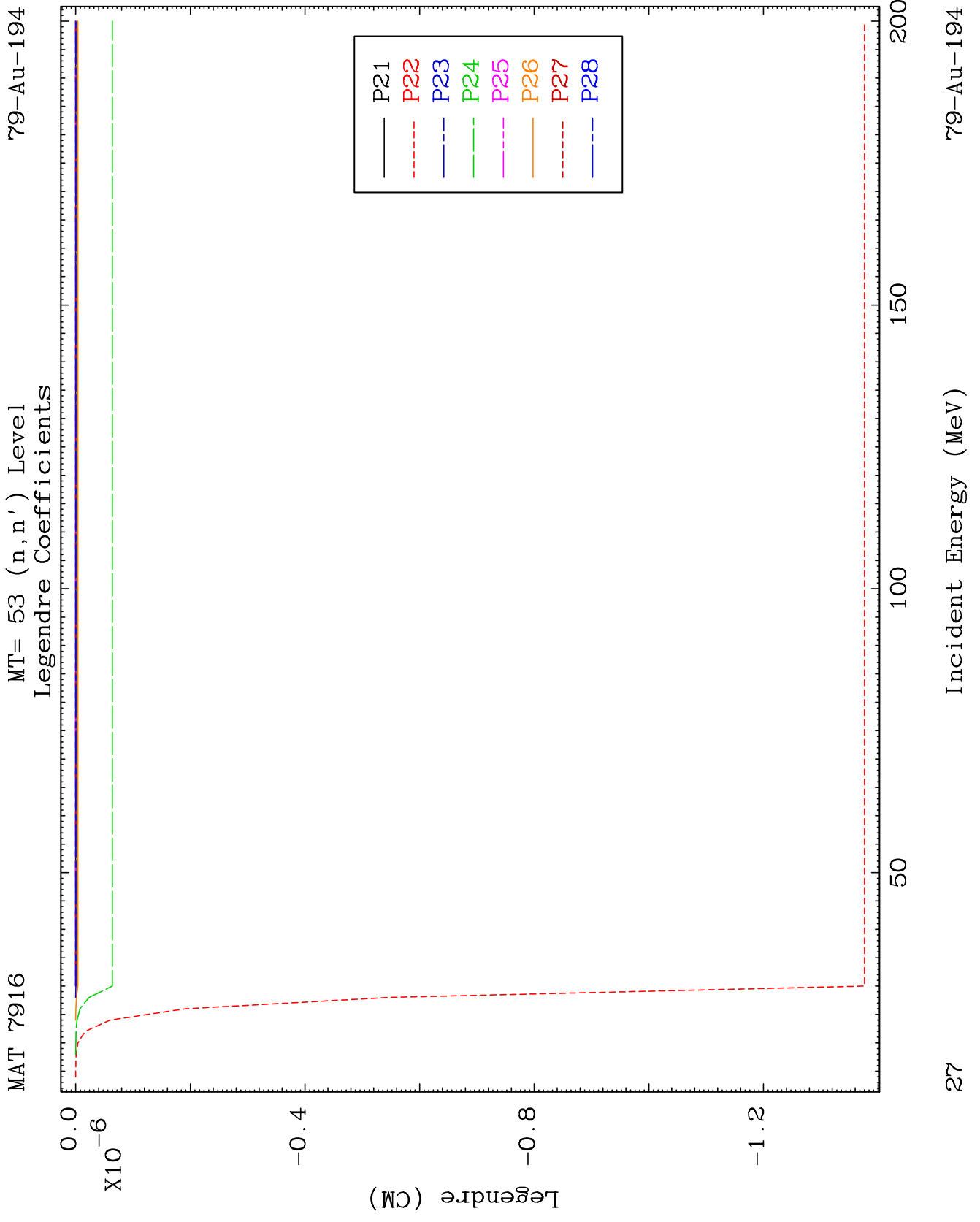
79-Au-194



26

Incident Energy (MeV)

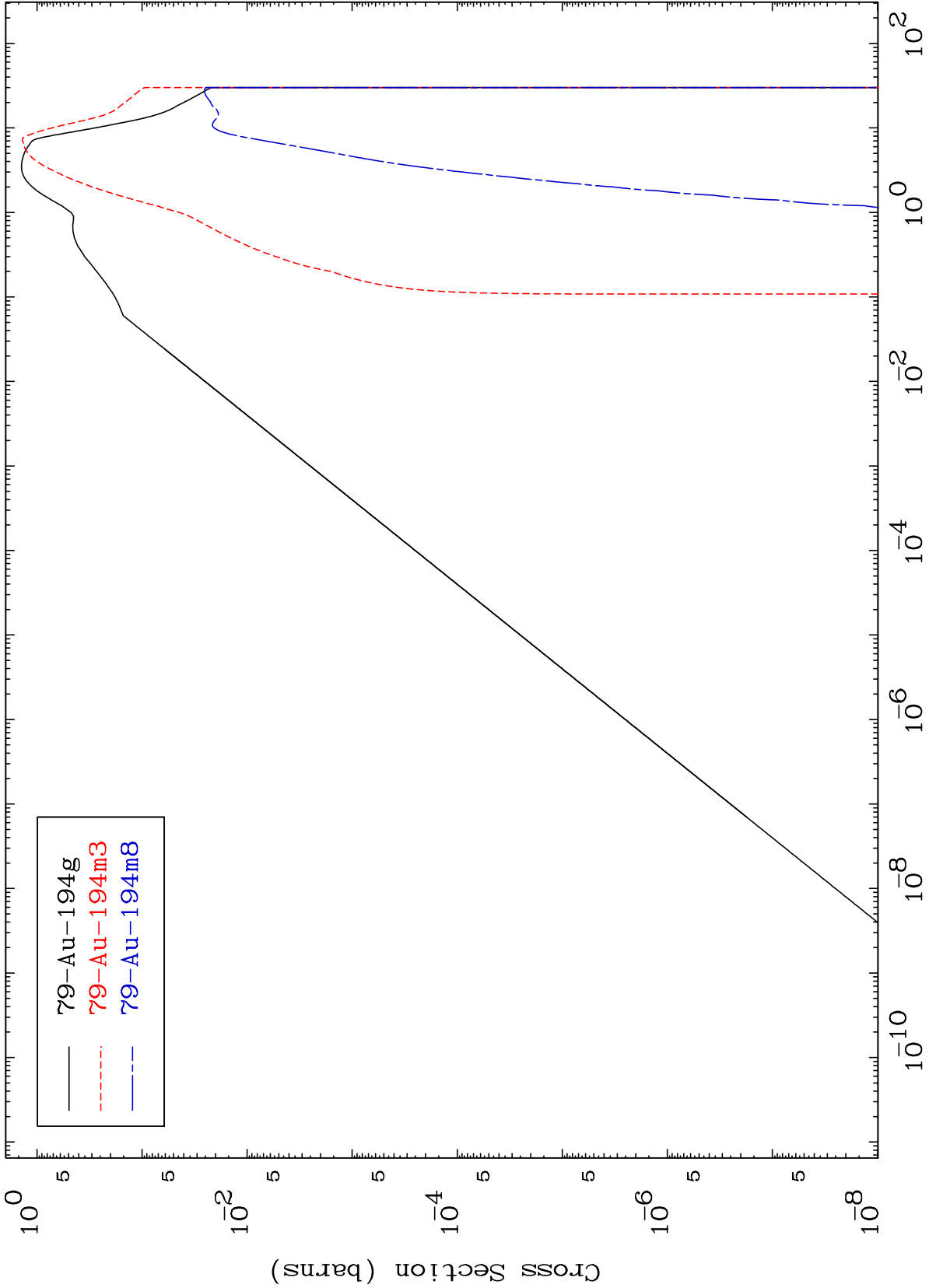
79-Au-194



MAT 7916

Inelastic  
Radionuclide Production Cross Section

79-Au-194



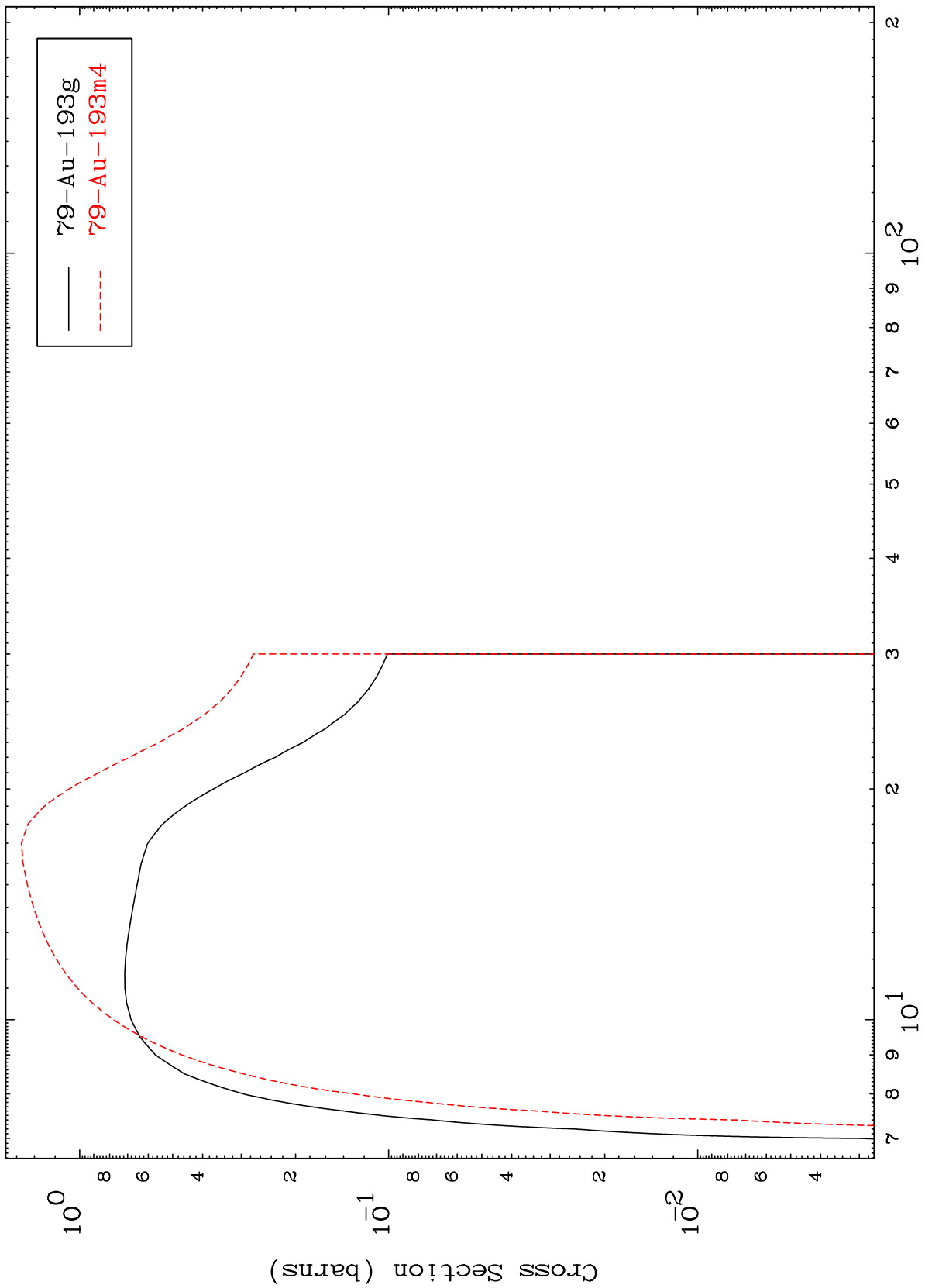
79-Au-194g  
79-Au-194m3  
79-Au-194m8

79-Au-194

MAT 7916

79-Au-194

(n,2n)  
Radionuclide Production Cross Section



29

Incident Energy (MeV)

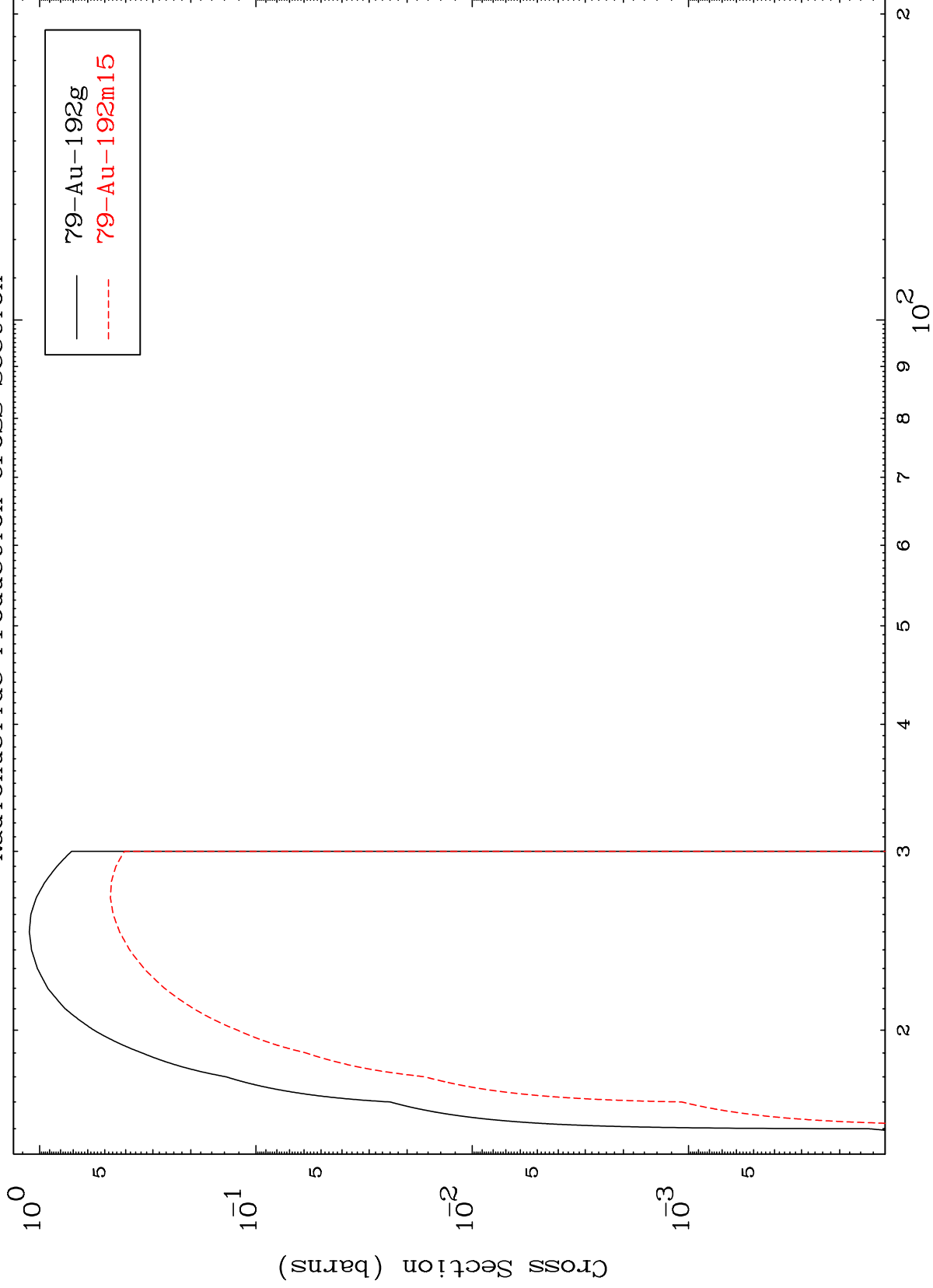
79-Au-194

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(n,3n)

79-Au-194

Radionuclide Production Cross Section



30

Incident Energy (MeV)

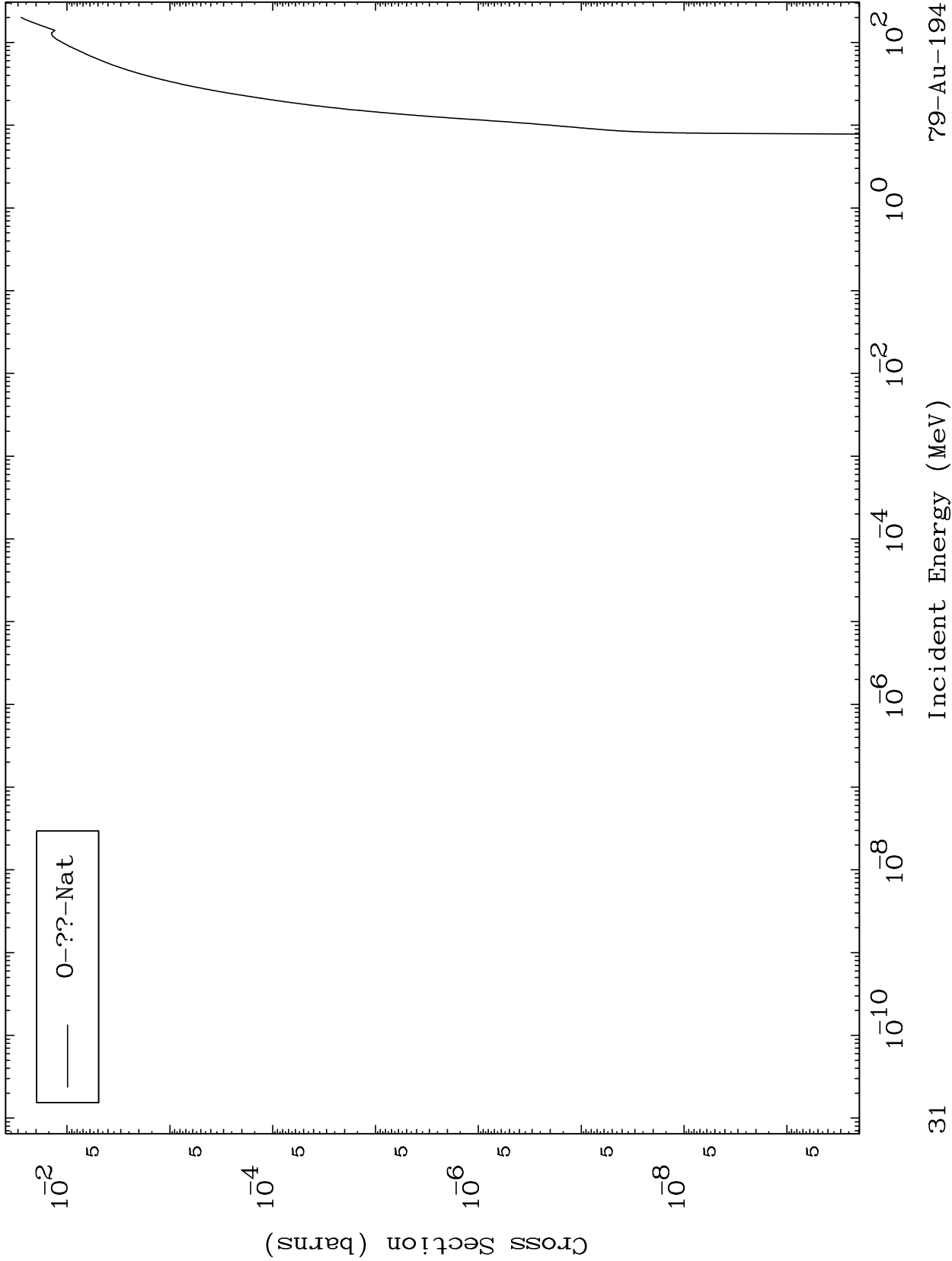
79-Au-194

MAT 7916

Fission

<sup>79</sup>Au-194

Radionuclide Production Cross Section



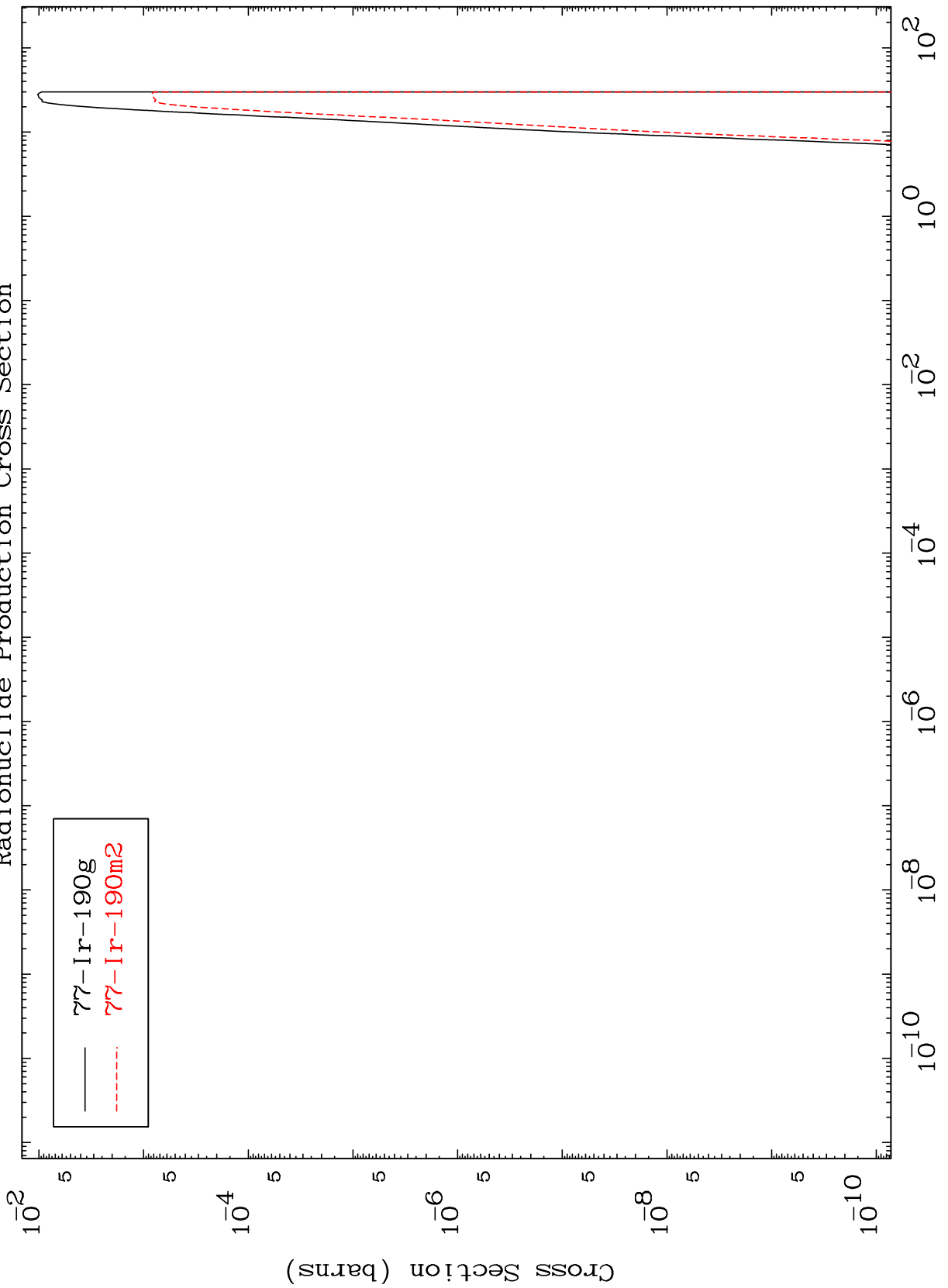


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$(n, n') \alpha$

$^{79}\text{Au-194}$

Radionuclide Production Cross Section

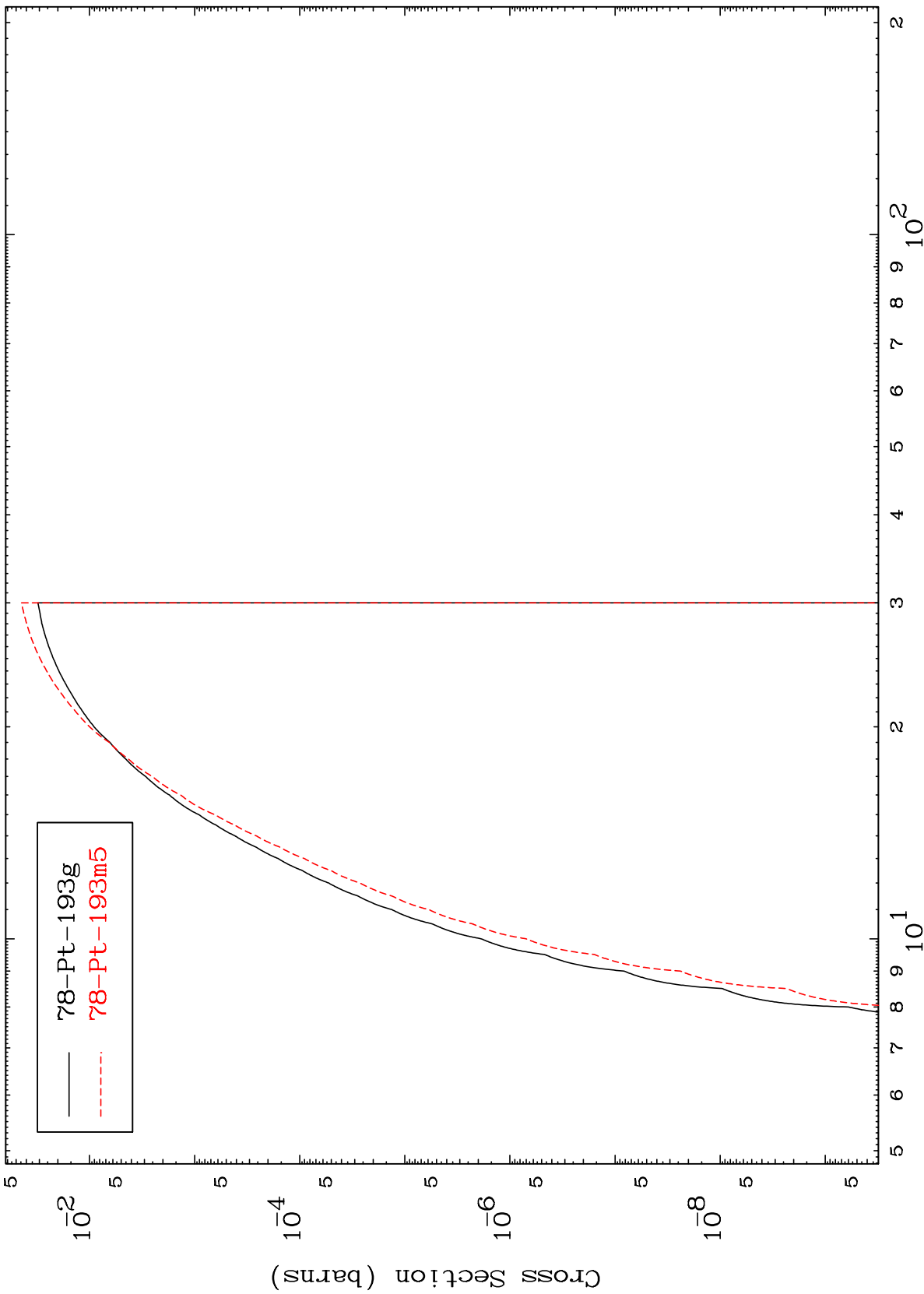


32

Incident Energy (MeV)

$^{79}\text{Au-194}$

(n,n') p  
Radionuclide Production Cross Section

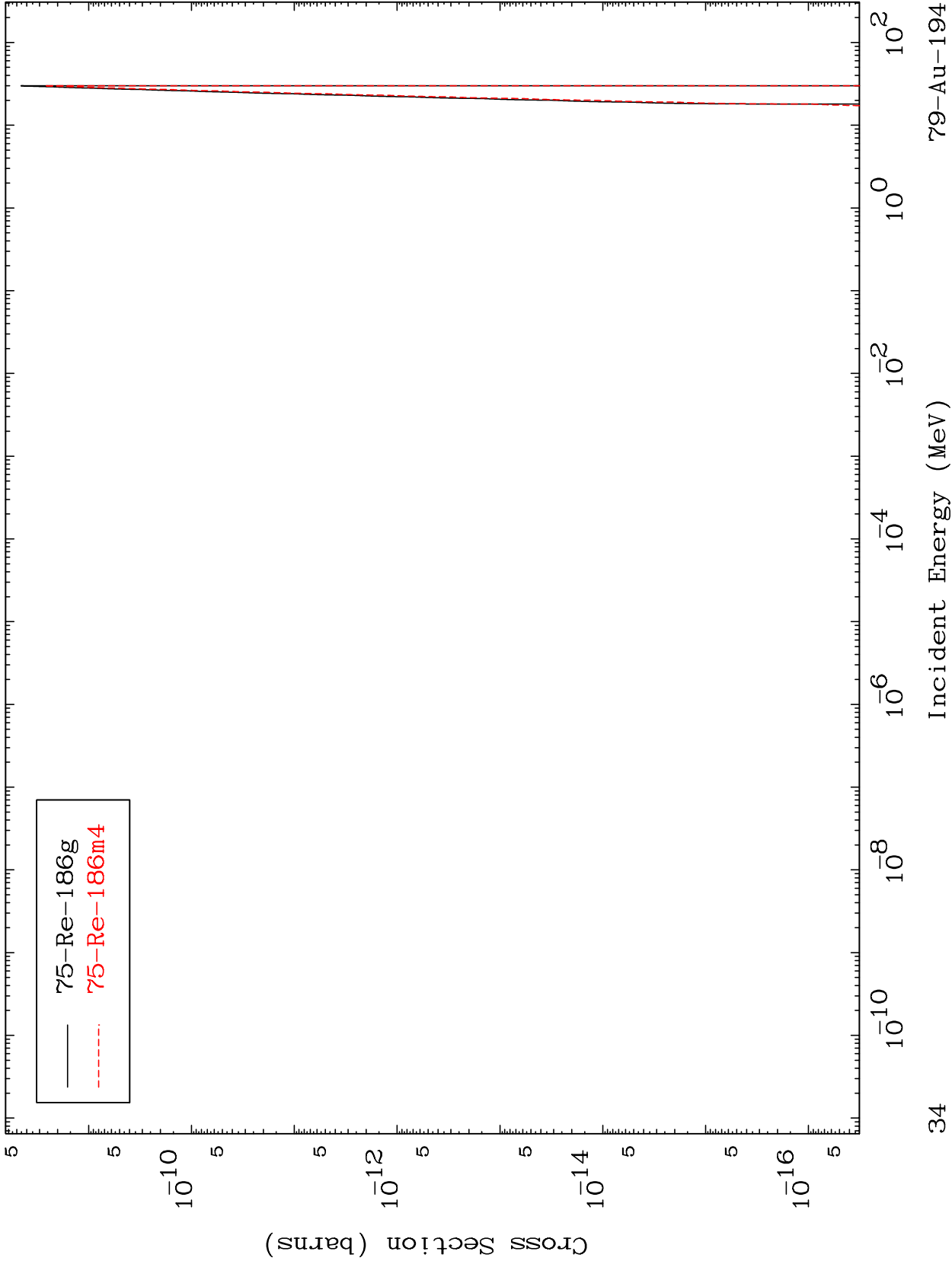


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(n,n') 2α

79-Au-194

Radionuclide Production Cross Section

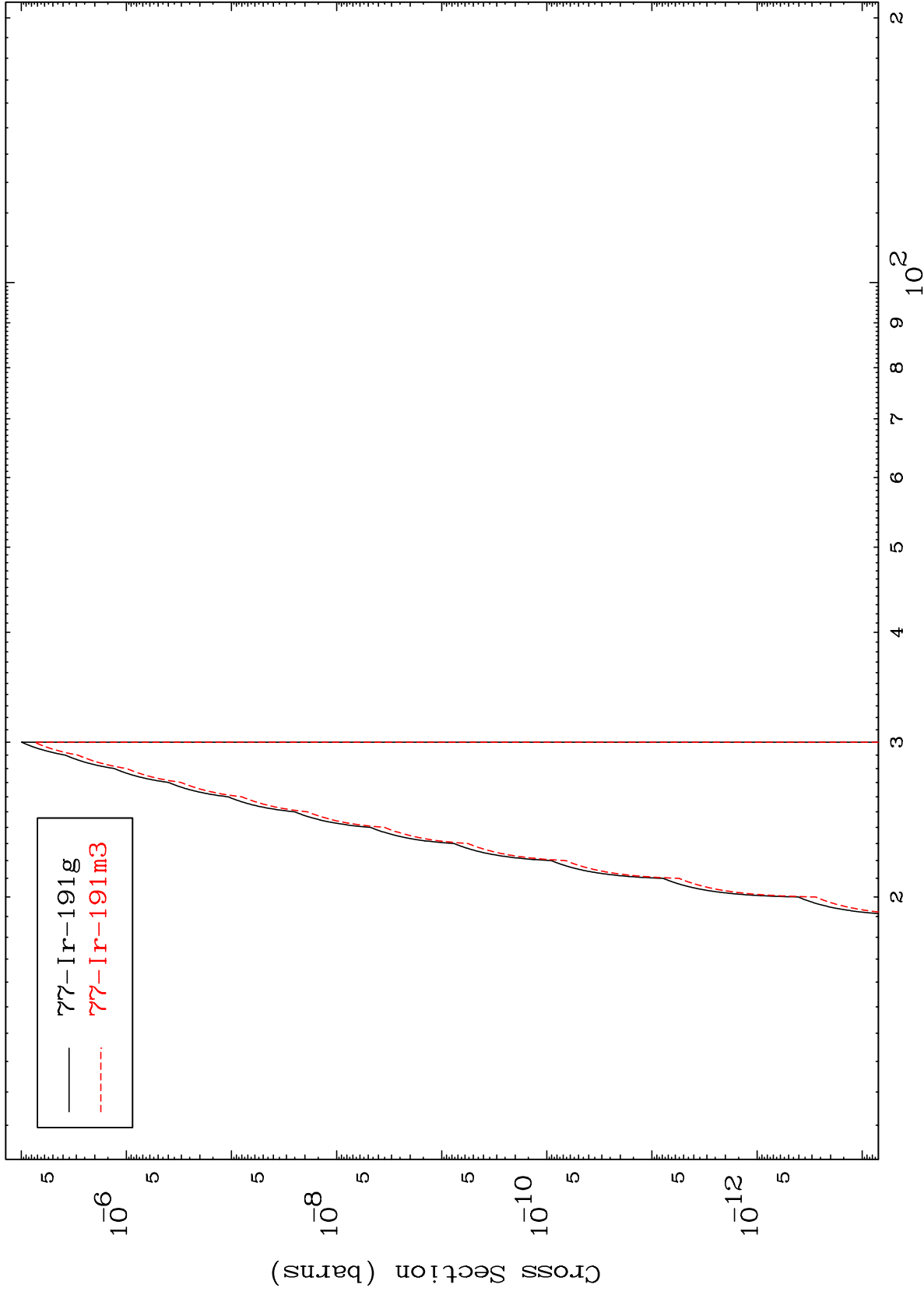


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(n,n') He-3

79-Au-194

Radionuclide Production Cross Section



35

Incident Energy (MeV)

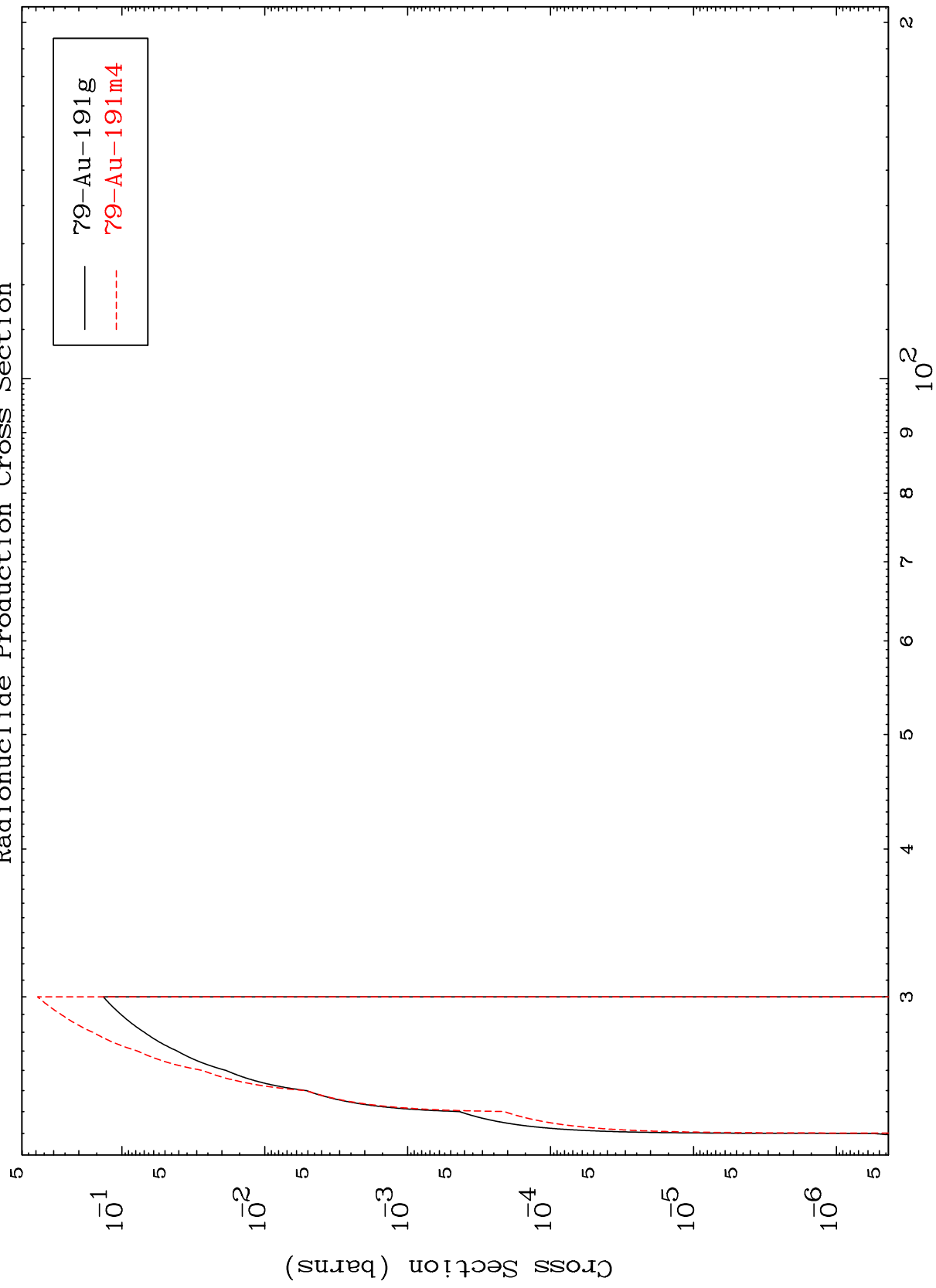
79-Au-194

MAT 7916

79-Au-194

(n,4n)

Radionuclide Production Cross Section

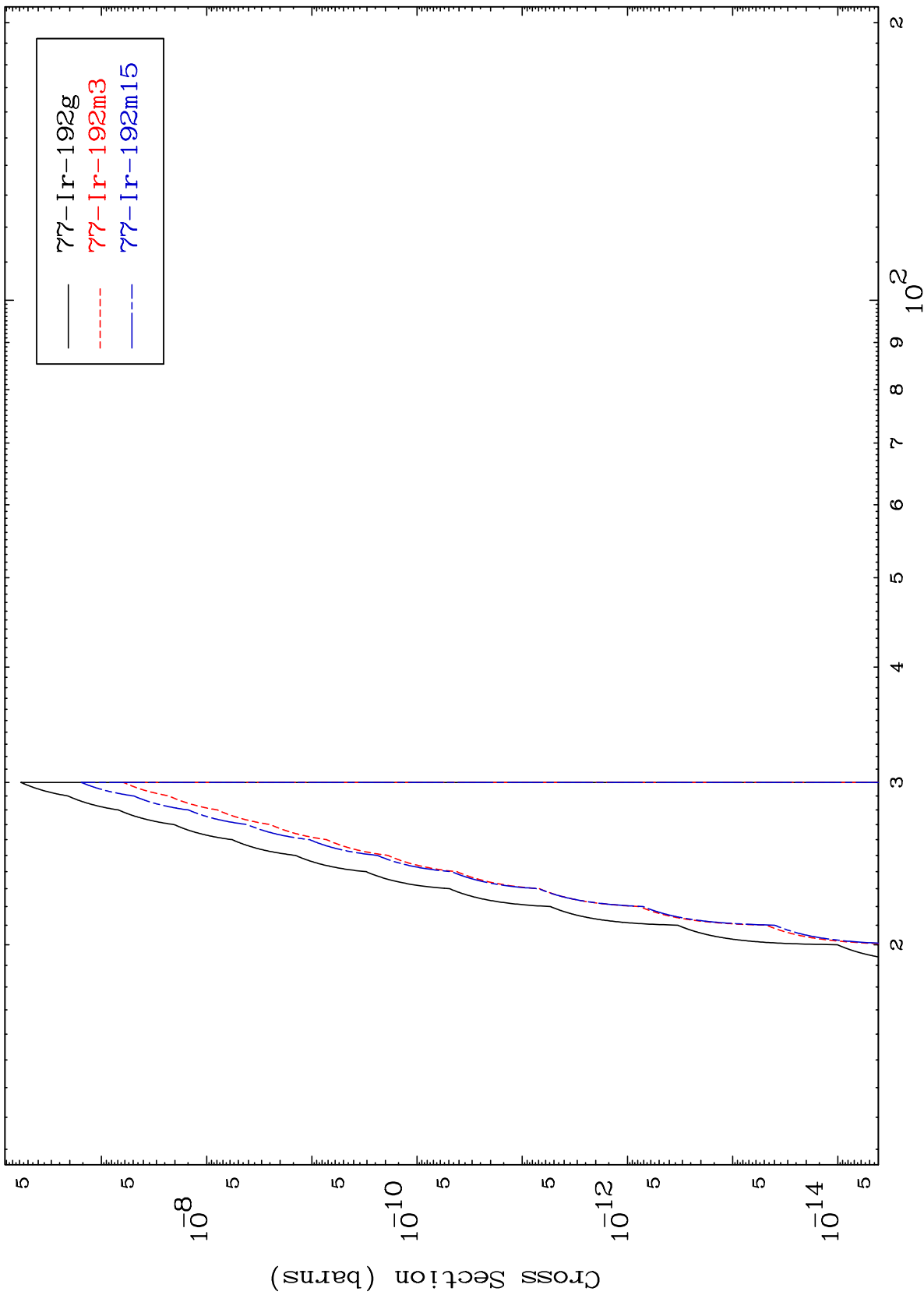


36

79-Au-194

Incident Energy (MeV)

Radionuclide Production Cross Section

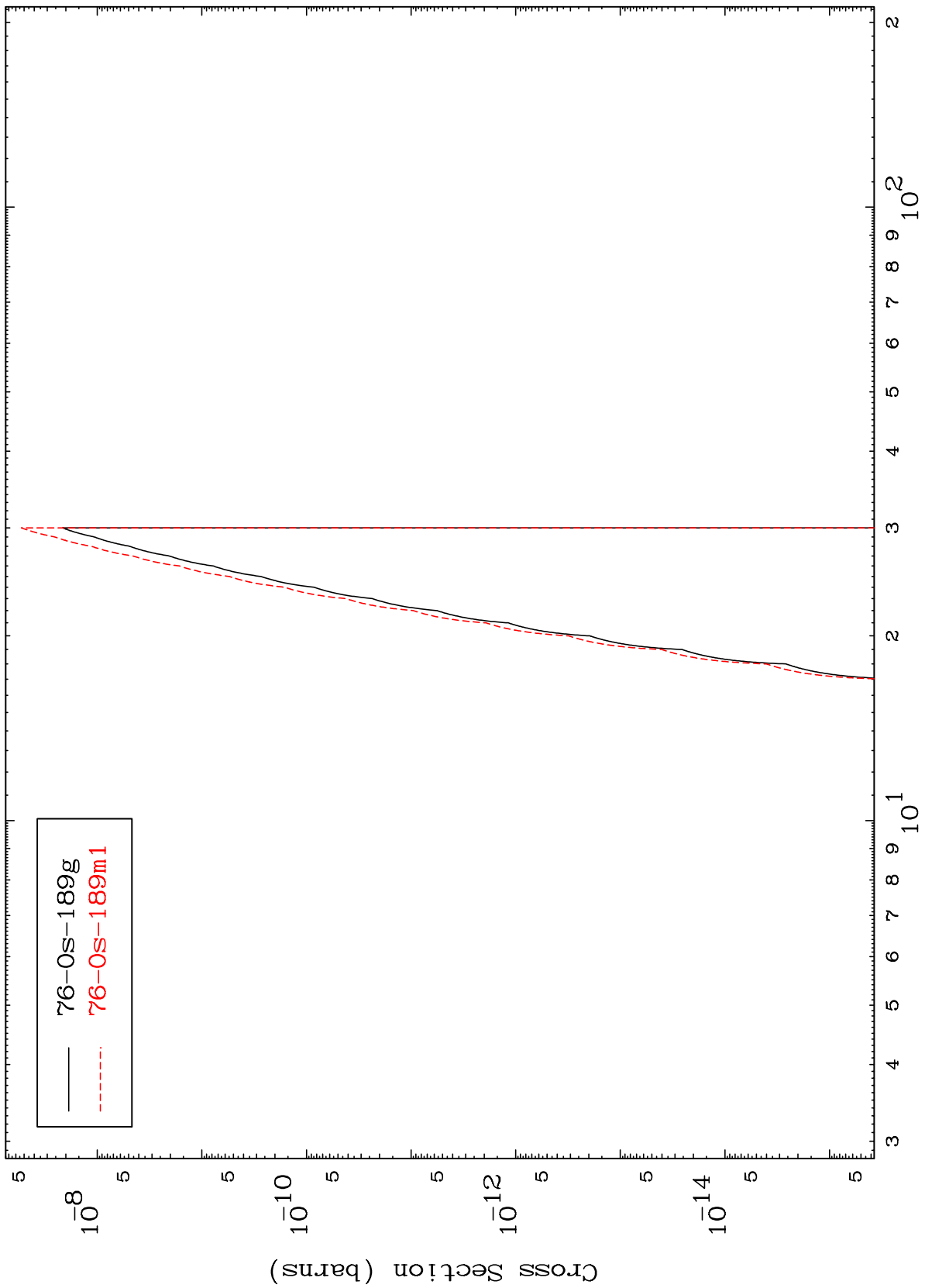


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(n,n') p  $\alpha$

79-Au-194

Radionuclide Production Cross Section



38

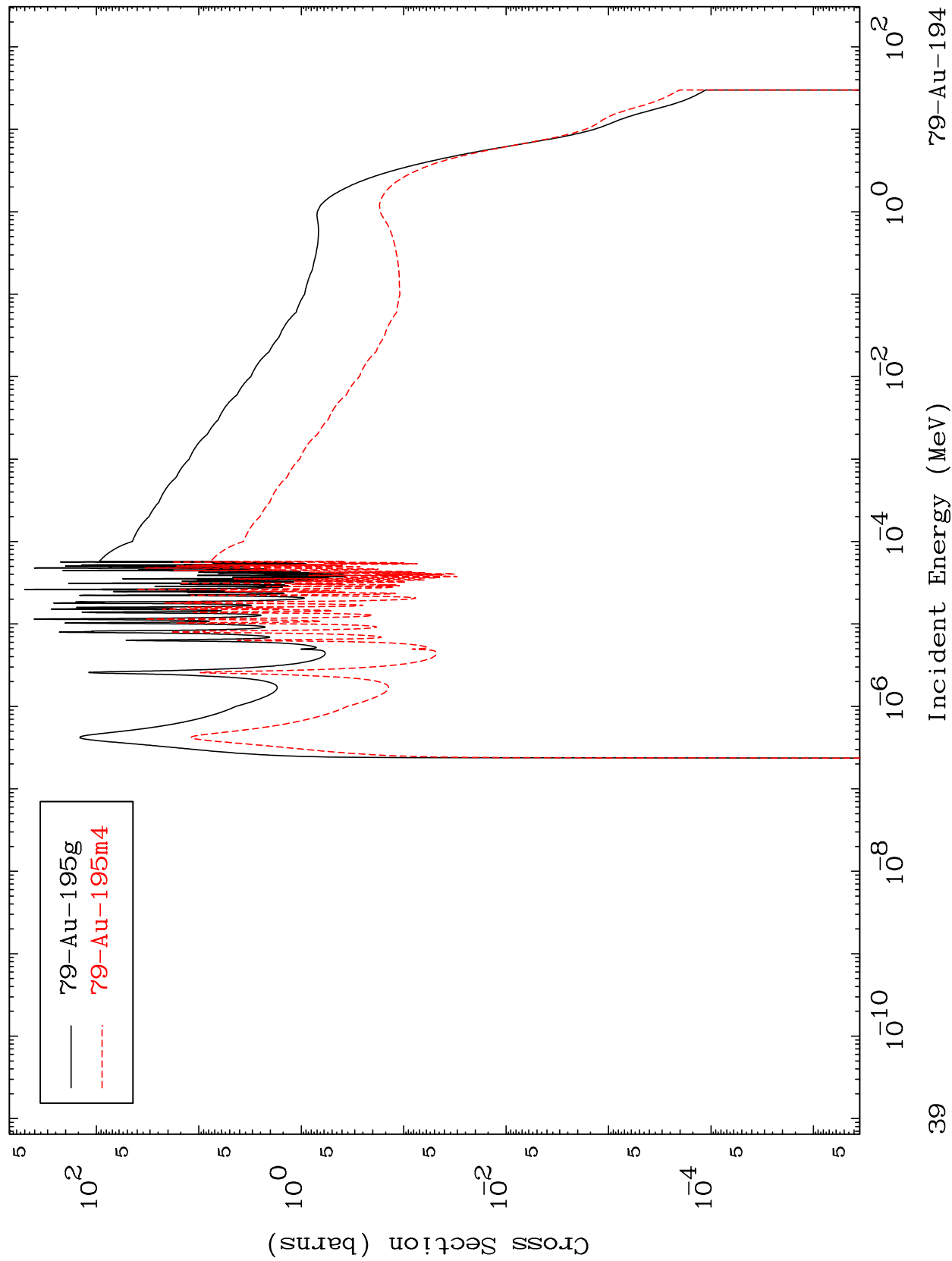
Incident Energy (MeV)

79-Au-194

MAT 7916

79-Au-194

(n,γ)  
Radionuclide Production Cross Section



39

79-Au-194

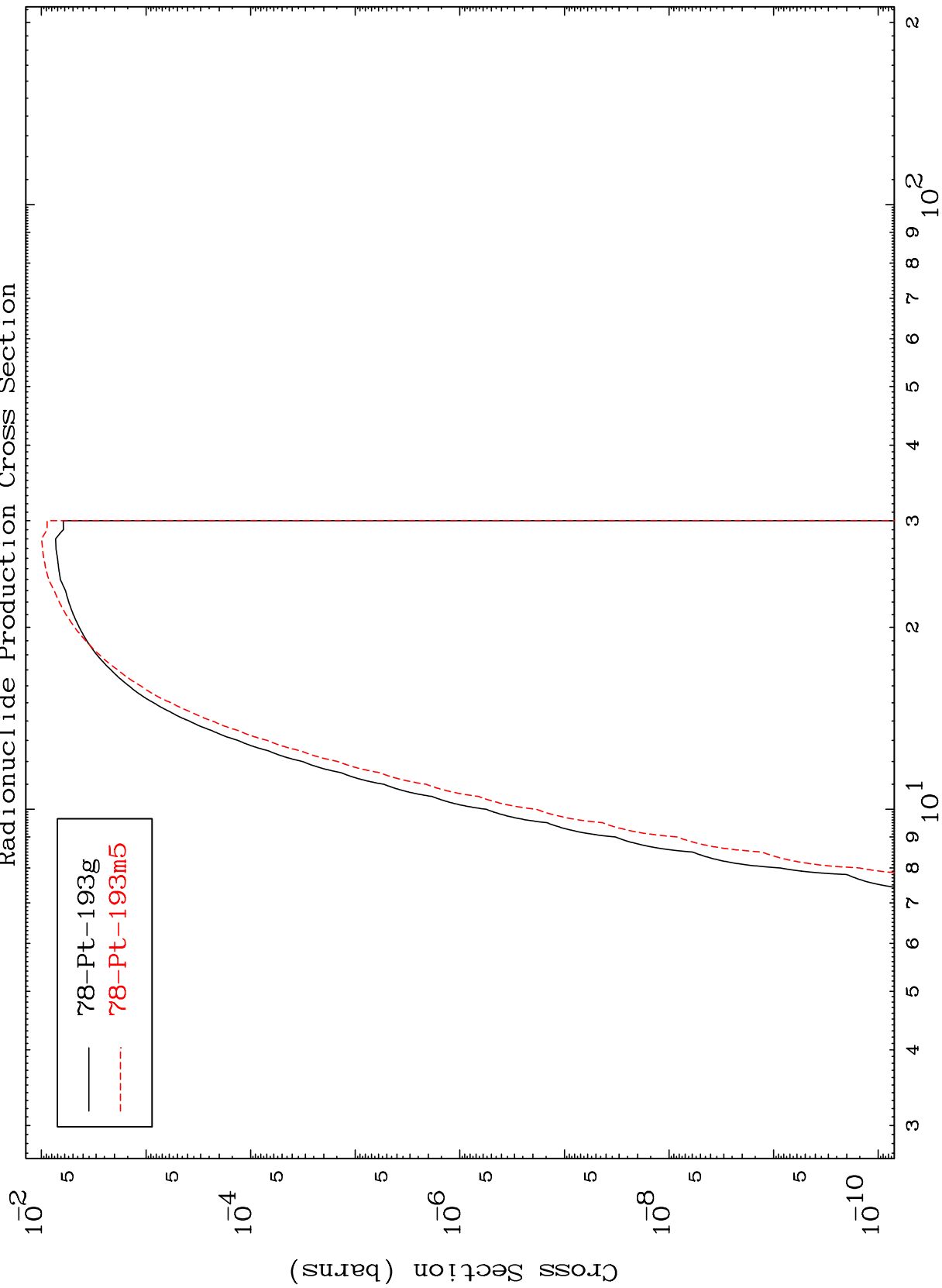


MAT 7916

(n,d)

79-Au-194

Radionuclide Production Cross Section



40

Incident Energy (MeV)

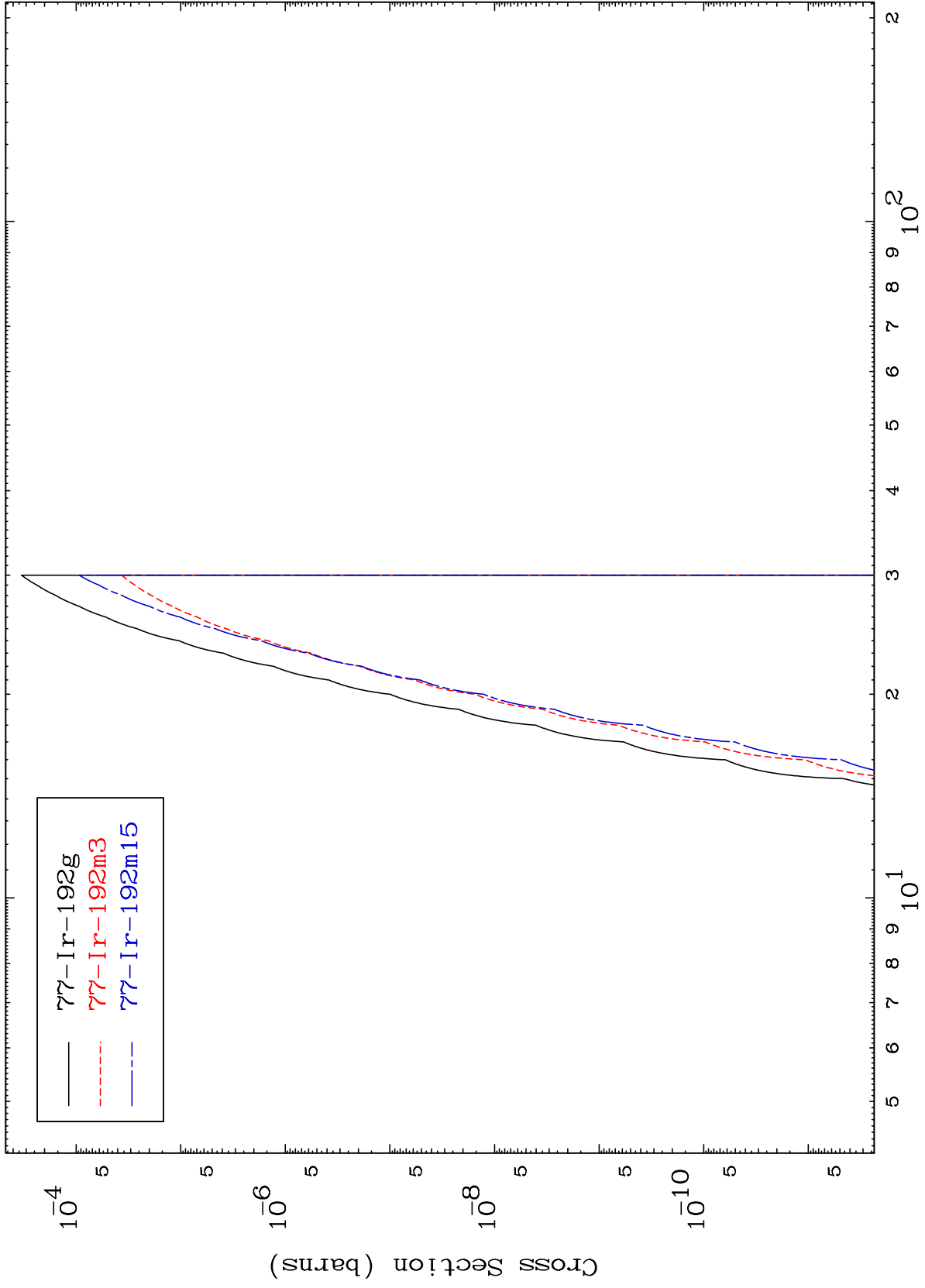
79-Au-194

MAT 7916

(n,He-3)

79-Au-194

Radionuclide Production Cross Section



77-Ir-192g  
77-Ir-192m3  
77-Ir-192m15

41

Incident Energy (MeV)

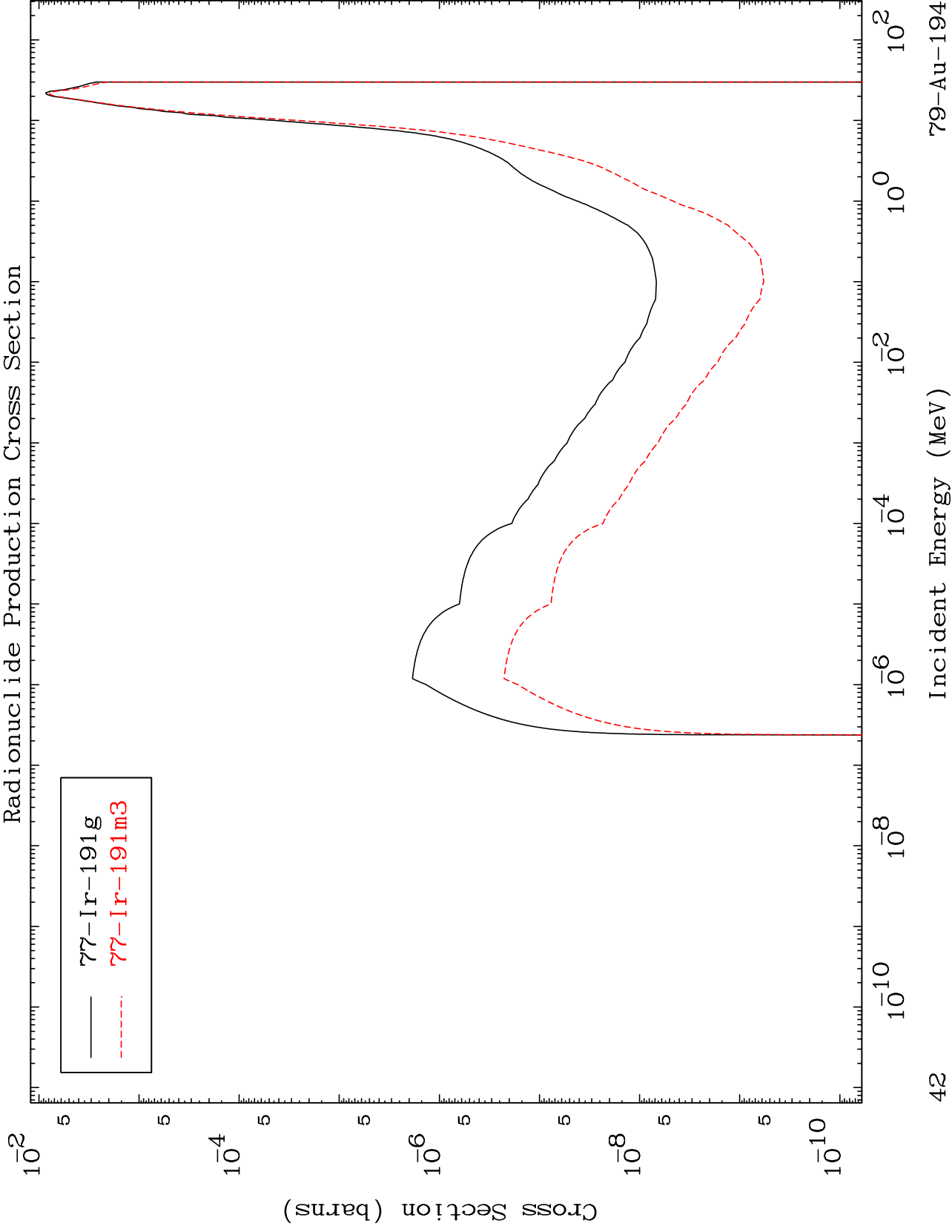
79-Au-194

MAT 7916

(n,  $\alpha$ )

79-Au-194

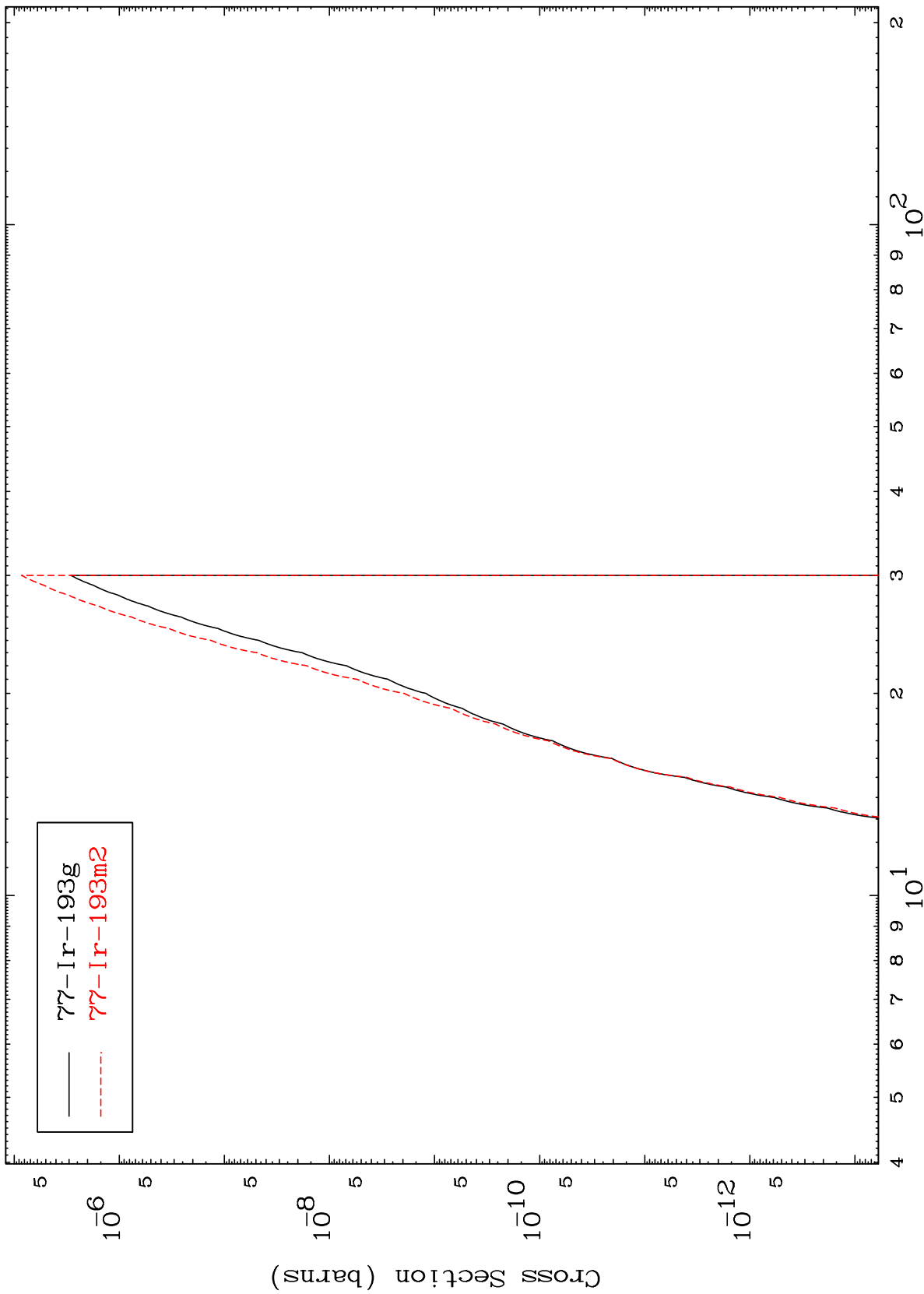
Radionuclide Production Cross Section



MAT 7916

79-Au-194

(n,2p)  
Radionuclide Production Cross Section



— 77-Ir-193g  
- - - 77-Ir-193m2

79-Au-194

Incident Energy (MeV)

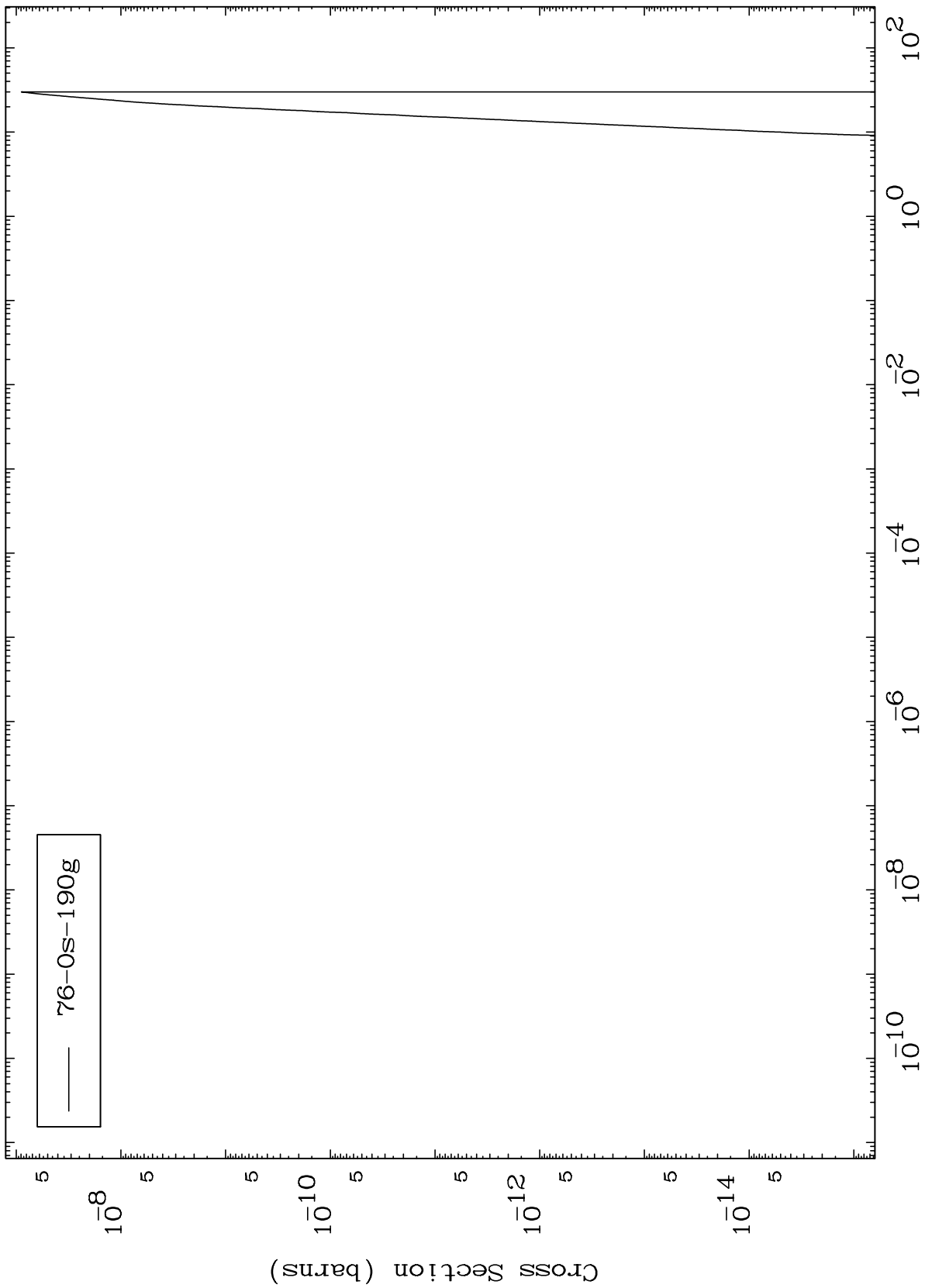
43

MAT 7916

(n,p)  $\alpha$

79-Au-194

Radionuclide Production Cross Section

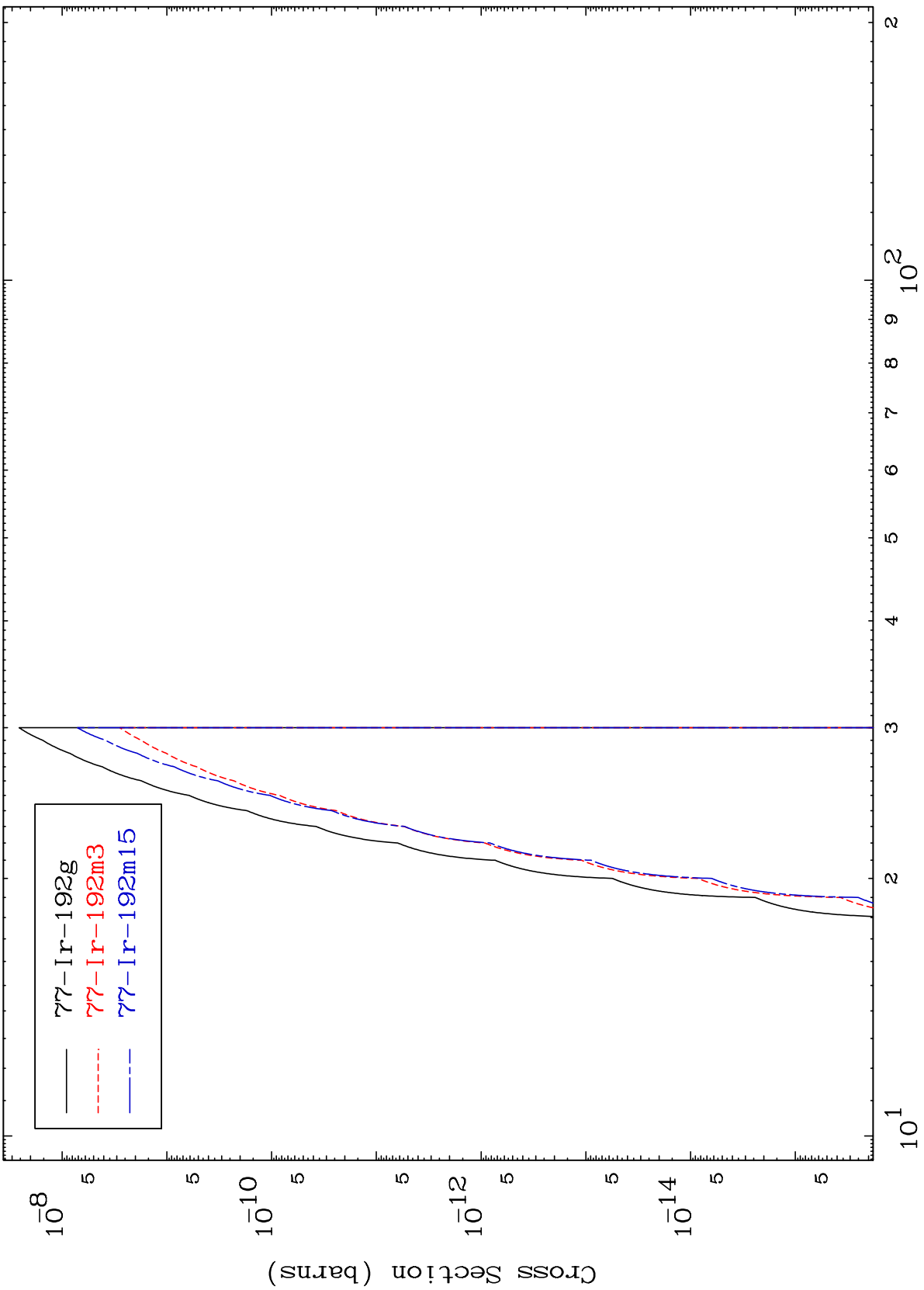


MAT 7916

(n,p) d

79-Au-194

Radionuclide Production Cross Section



Incident Energy (MeV)

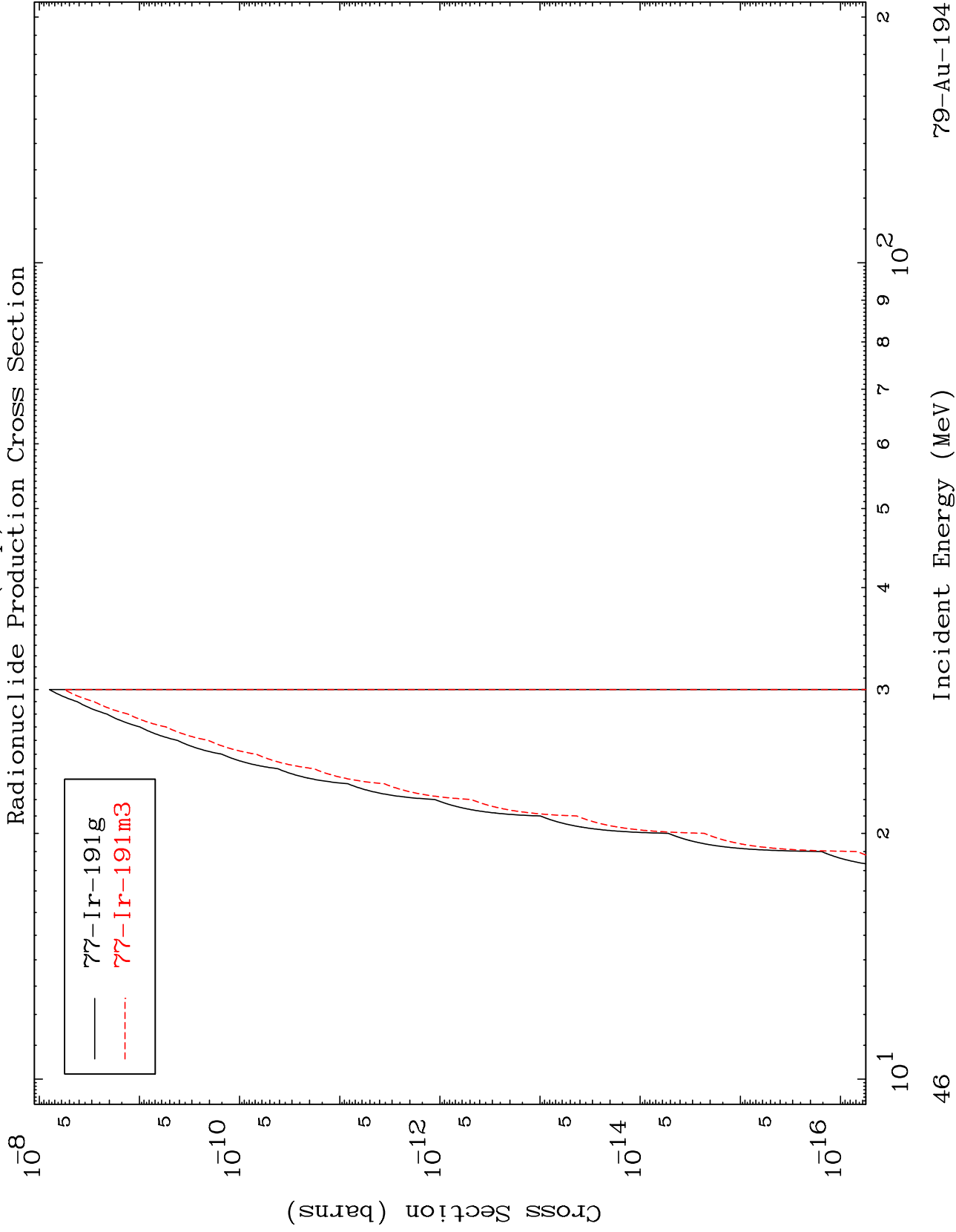
79-Au-194

45

MAT 7916

(n,p) t

79-Au-194



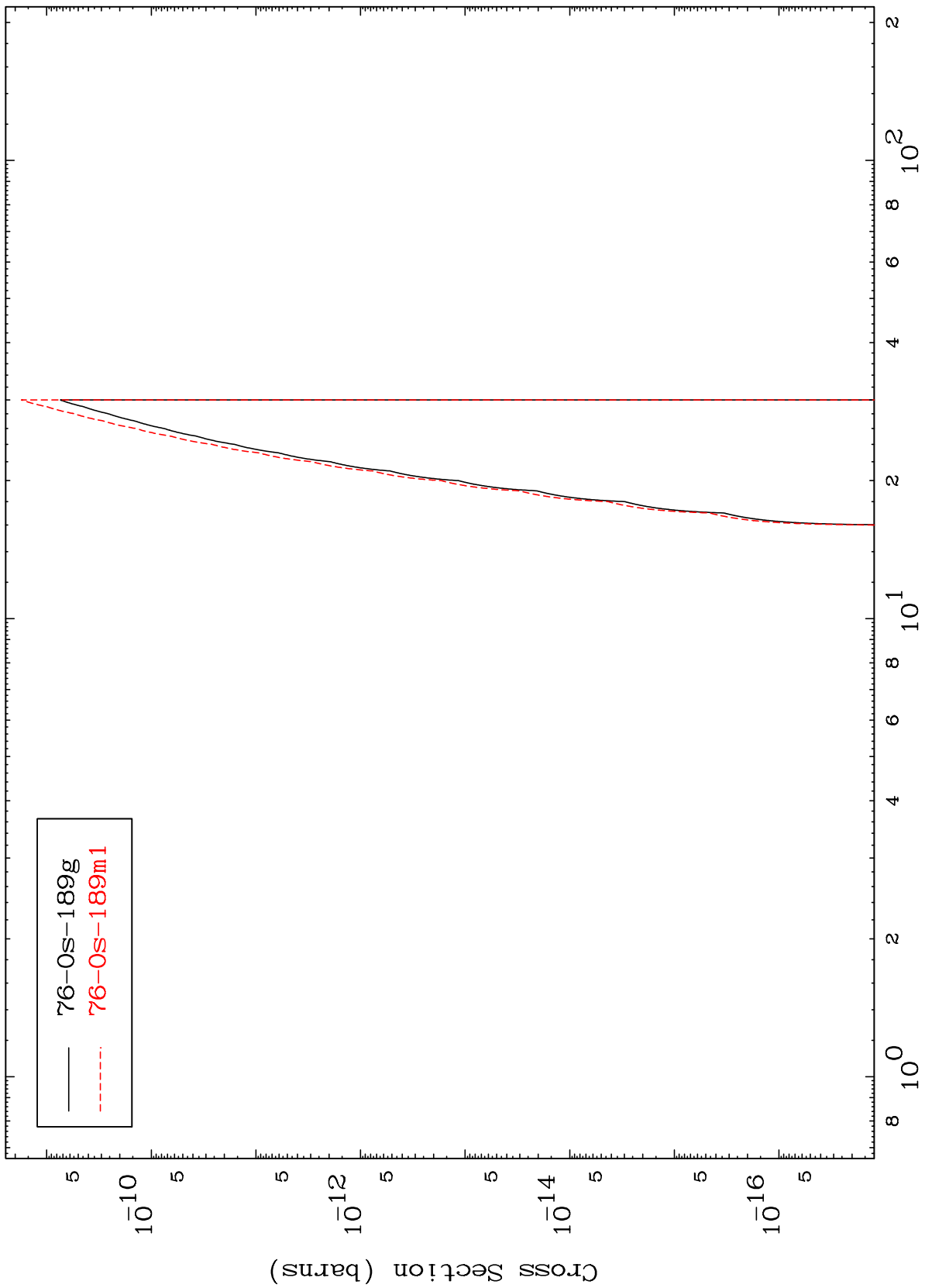
46

MAT 7916

(n,d)  $\alpha$

<sup>79</sup>Au-194

Radionuclide Production Cross Section



76-0s-189g  
76-0s-189m1

47

Incident Energy (MeV)

<sup>79</sup>Au-194