

Program EVALPLOT  
(Version 2021-1)

by

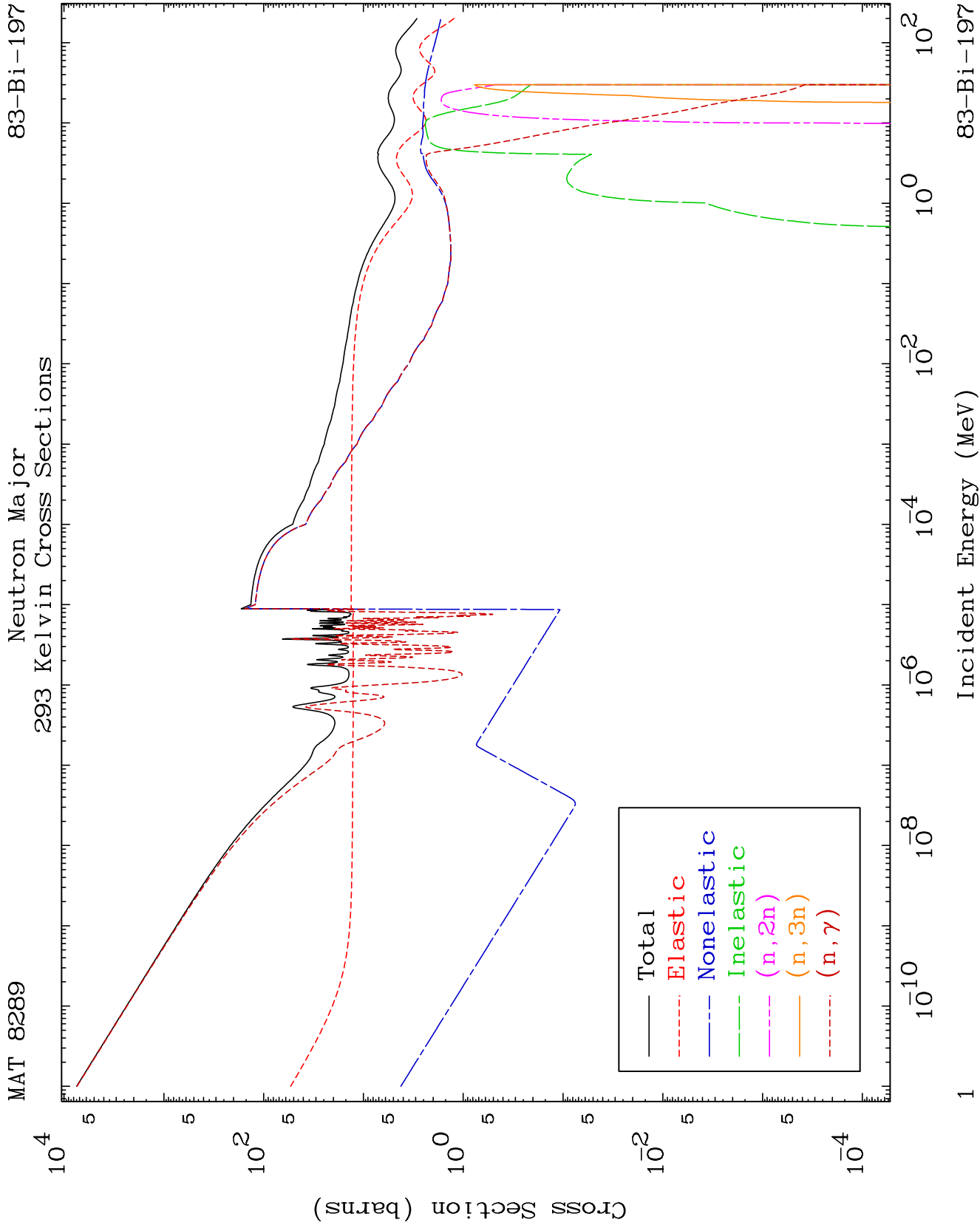
Dermott E. Cullen  
(Present Contact Information)

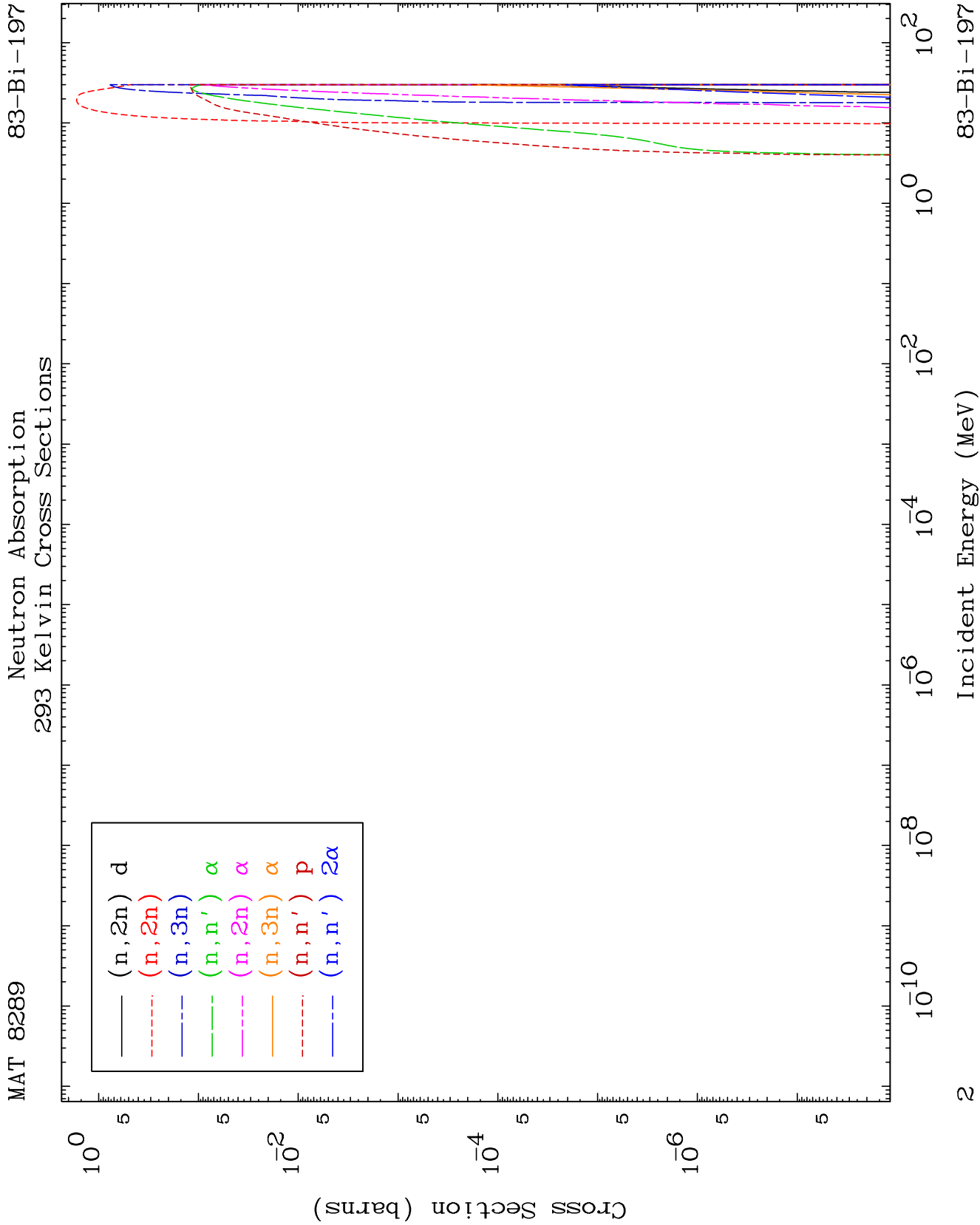
Dermott E. Cullen  
1466 Hudson Way  
Livermore, CA 94550  
U.S.A.

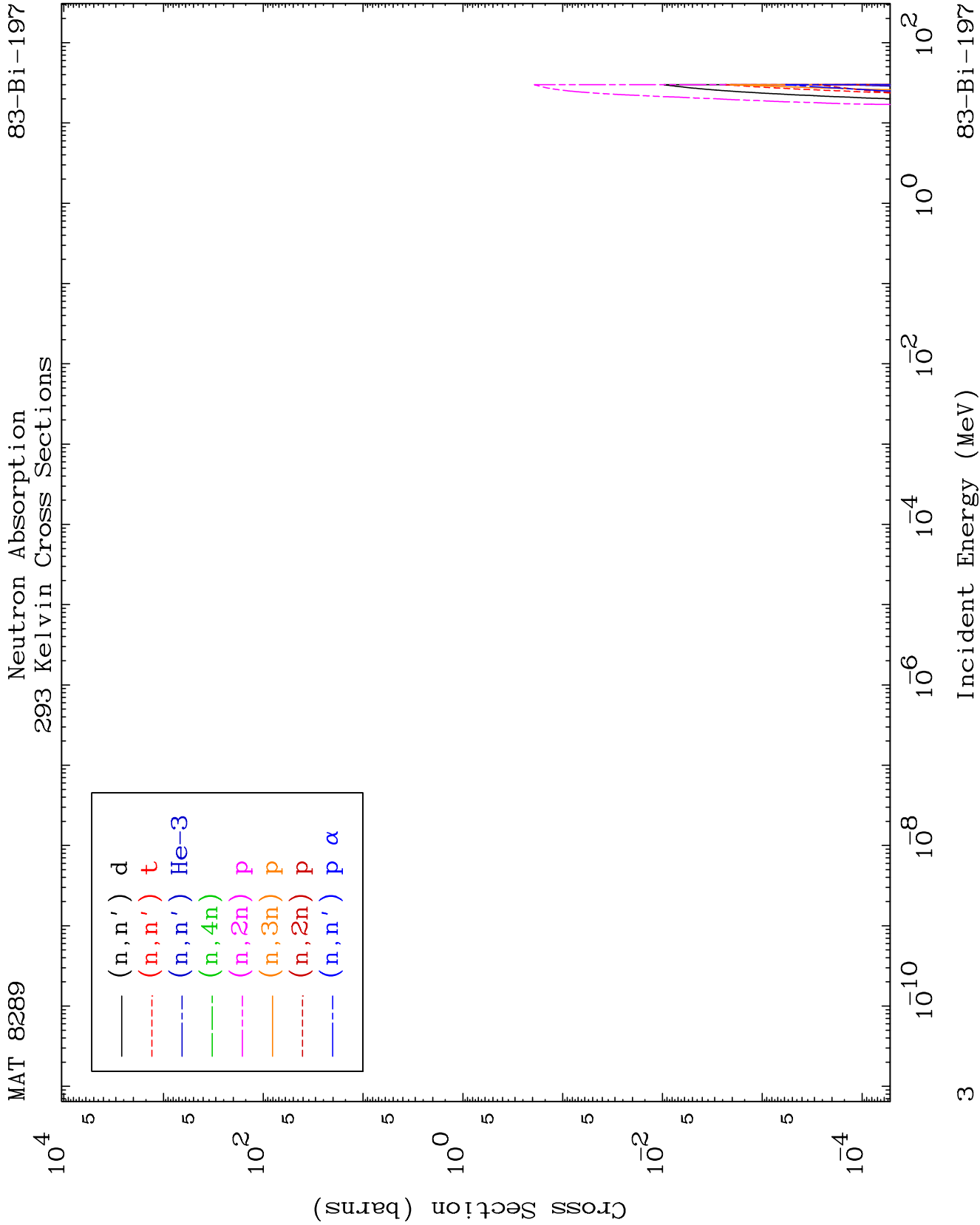
Tele: 925-443-1911

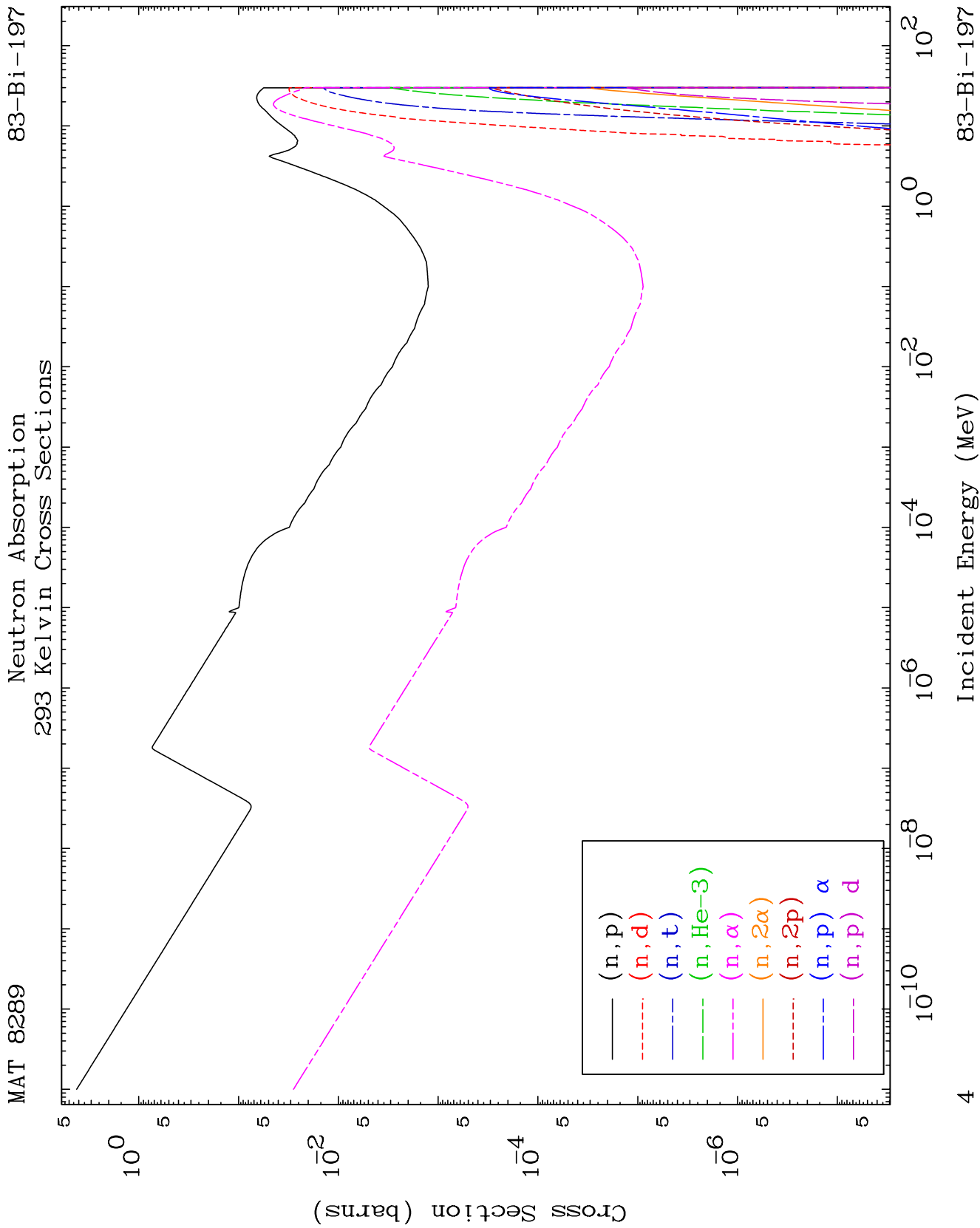
E.Mail: [redcullen1@comcast.net](mailto:redcullen1@comcast.net)  
Web: [redcullen1.net/HOMEPAGE.NEW](http://redcullen1.net/HOMEPAGE.NEW)

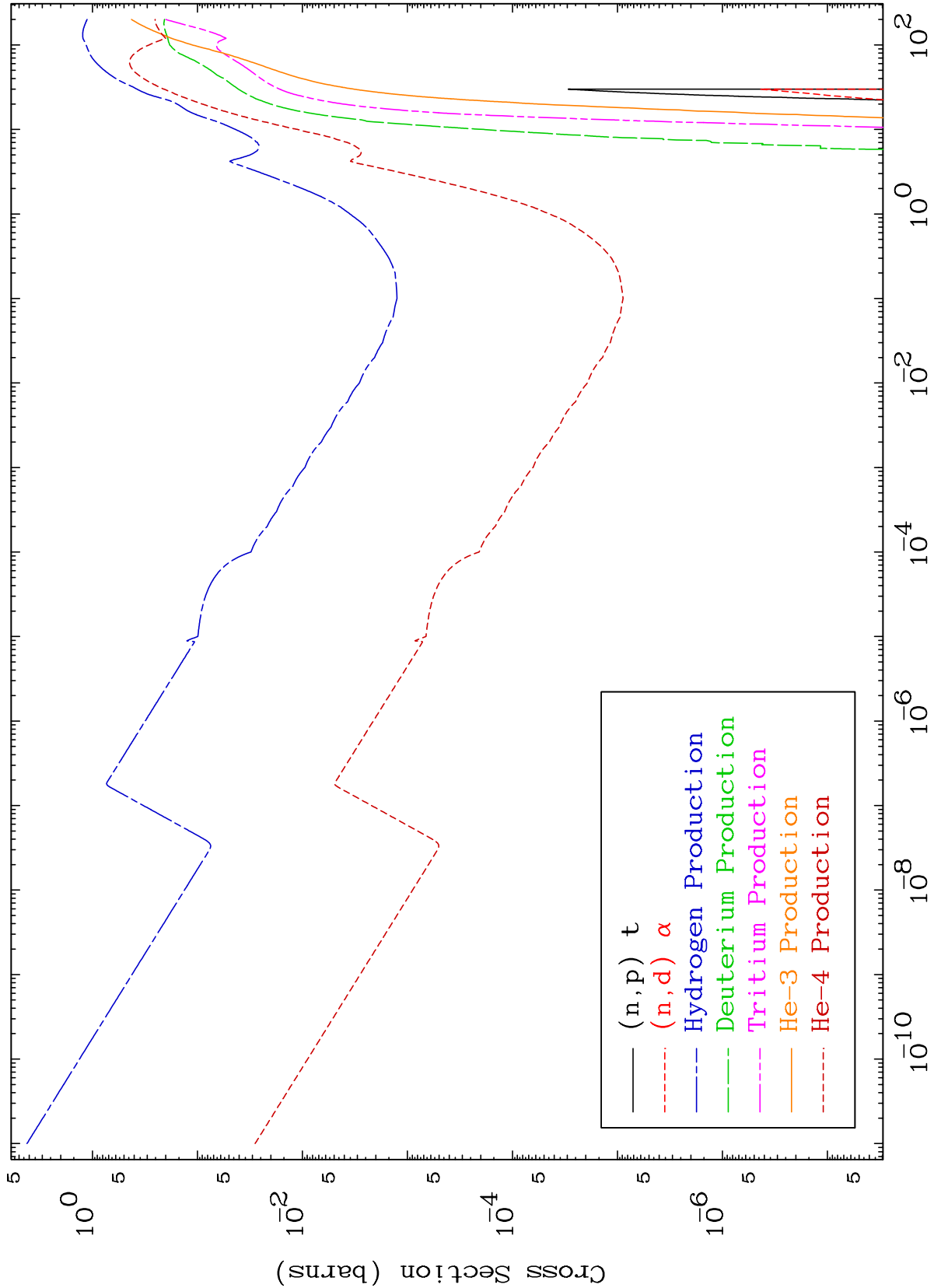
Press Mouse Button to Start







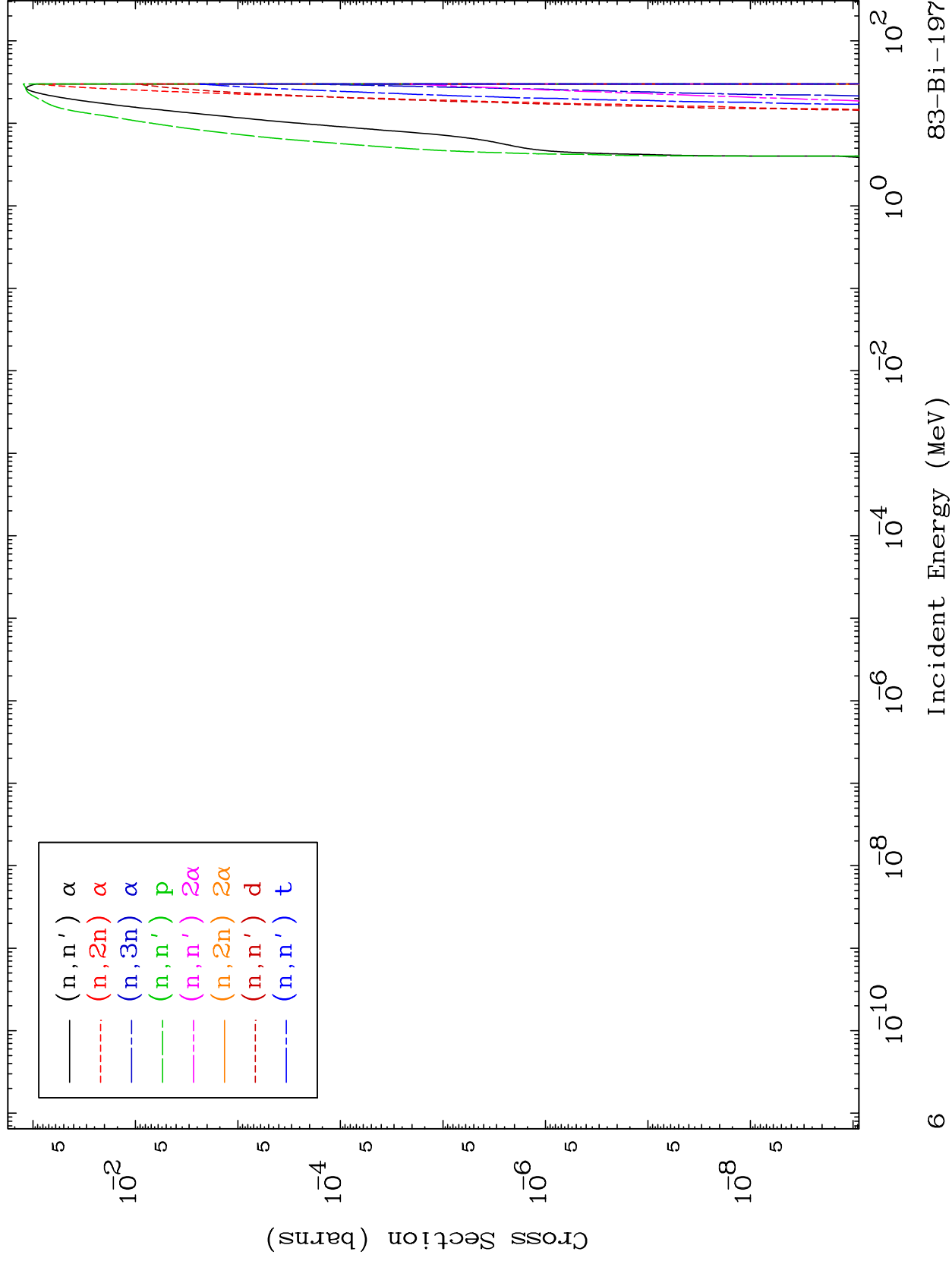


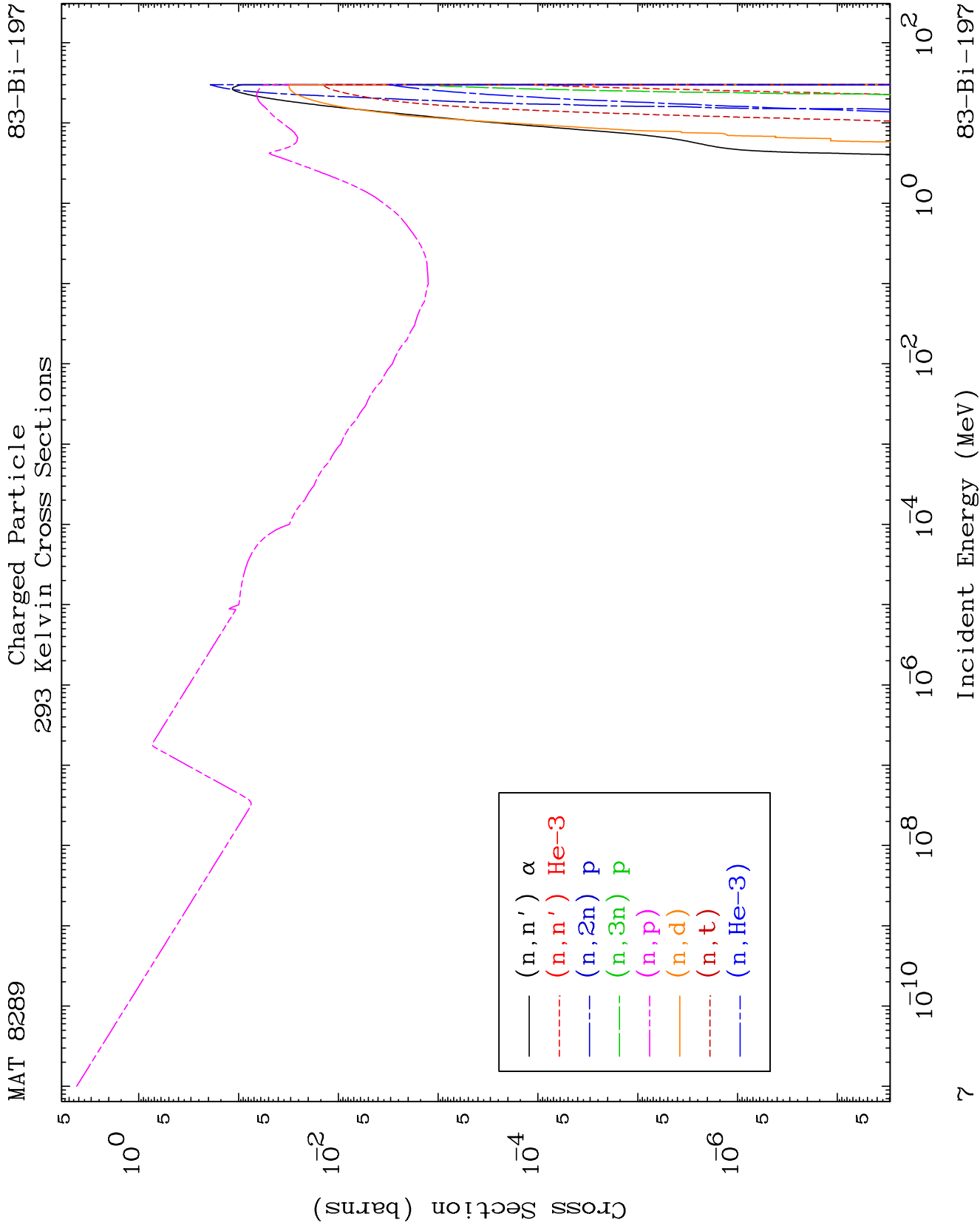


MAT 8289

Charged Particle  
293 Kelvin Cross Sections

83-Bi-197

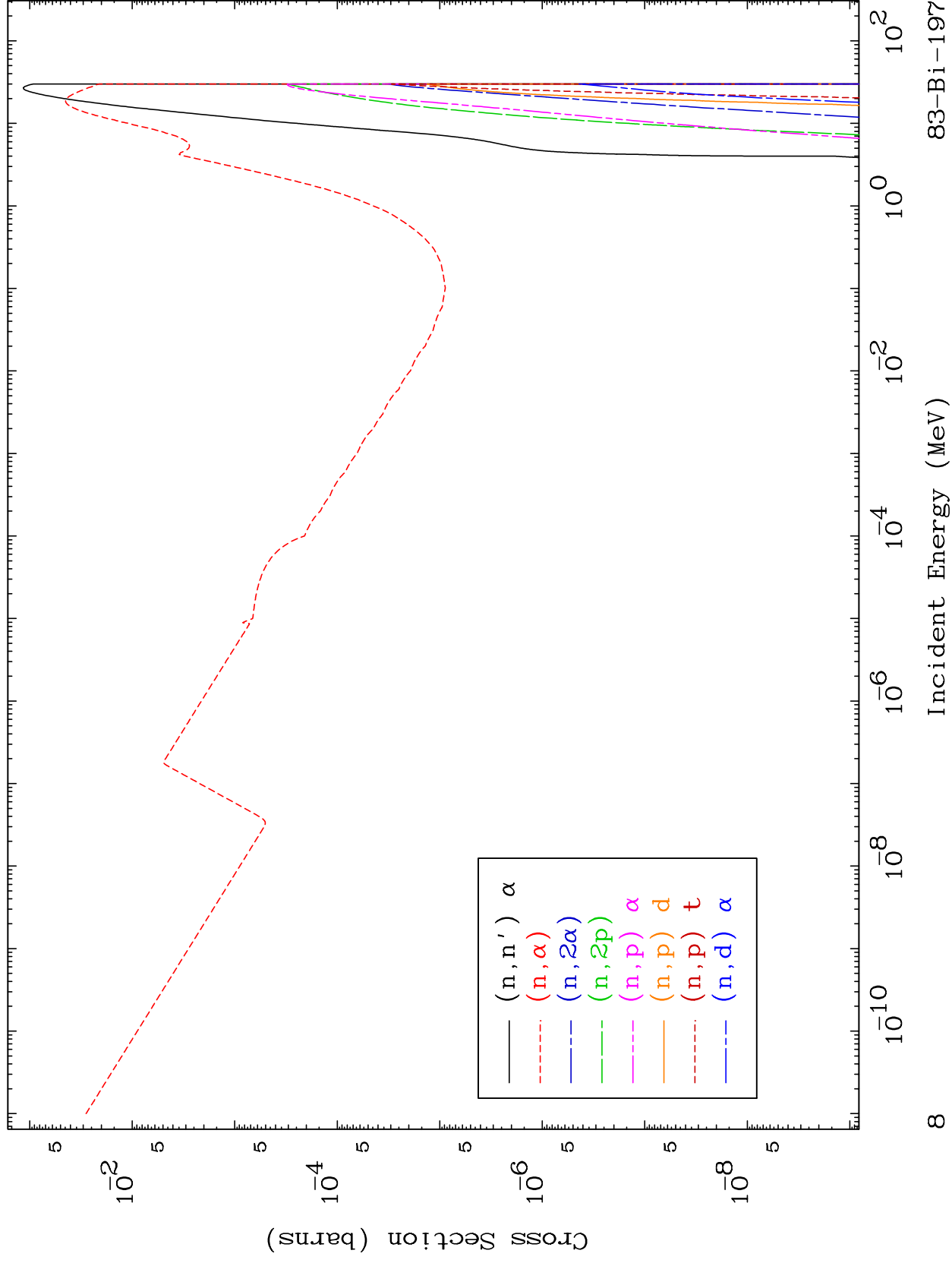


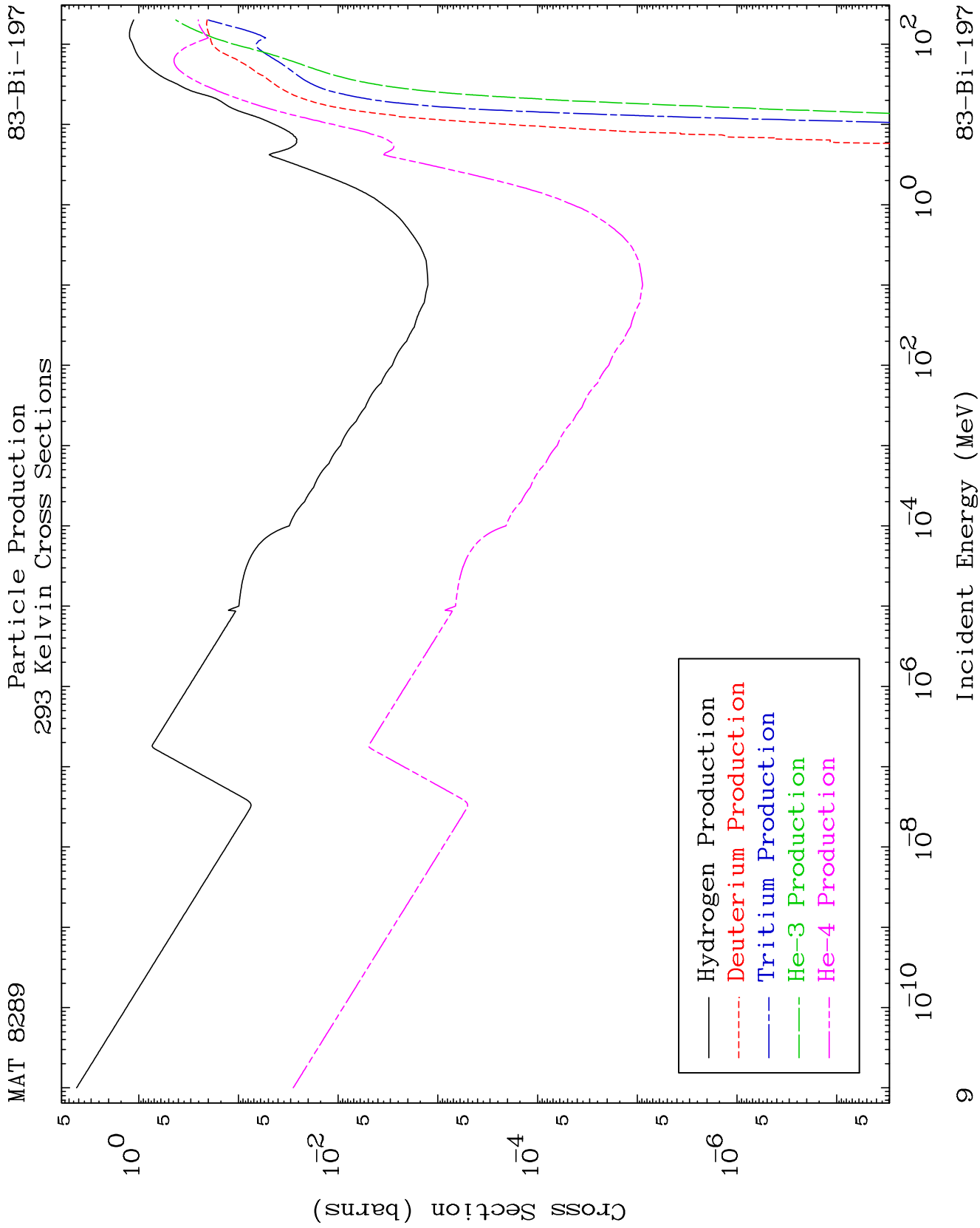


MAT 8289

Charged Particle  
293 Kelvin Cross Sections

83-Bi-197



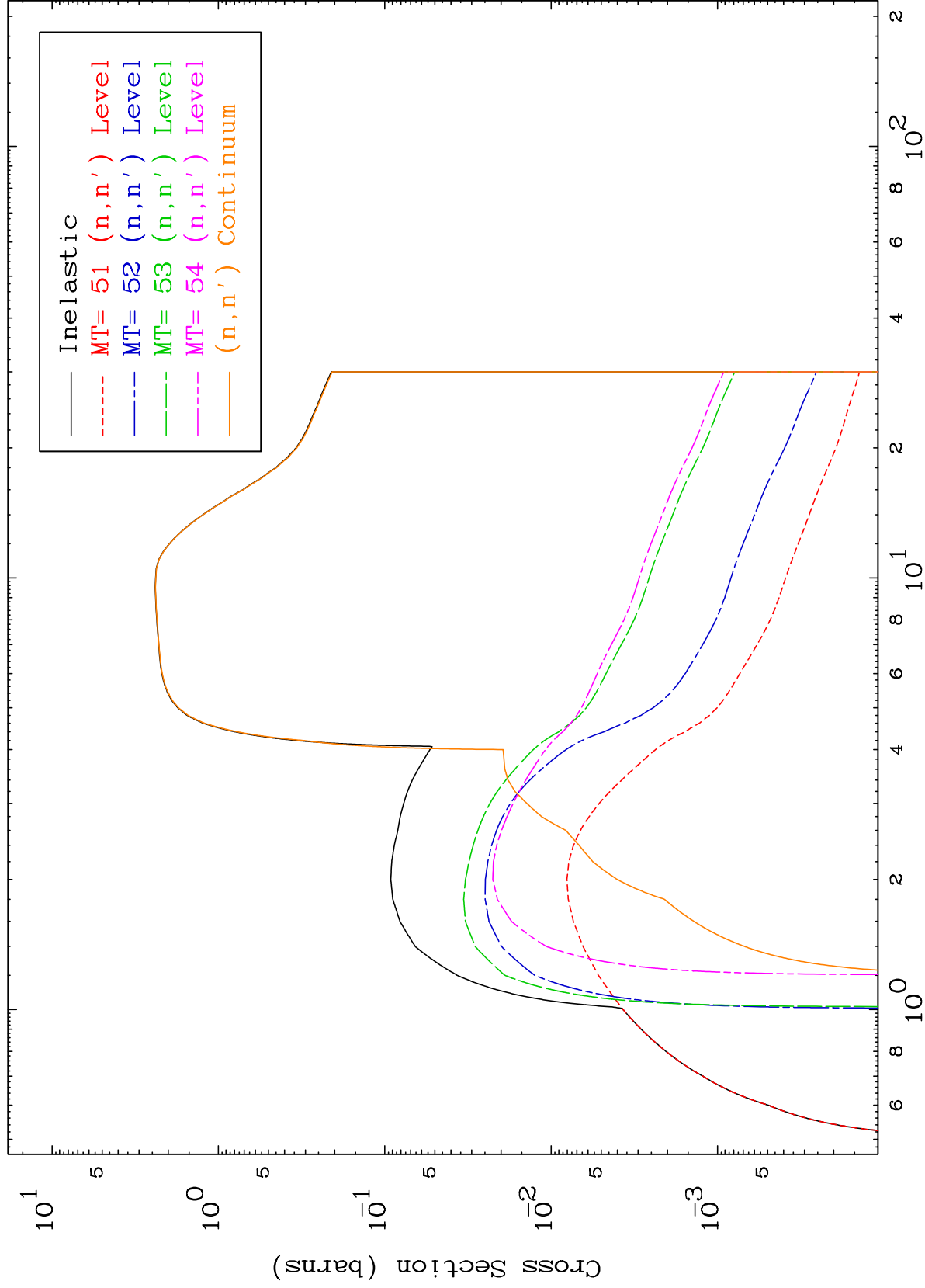


MAT 8289

(n,n') Levels

83-Bi-197

293 Kelvin Cross Sections



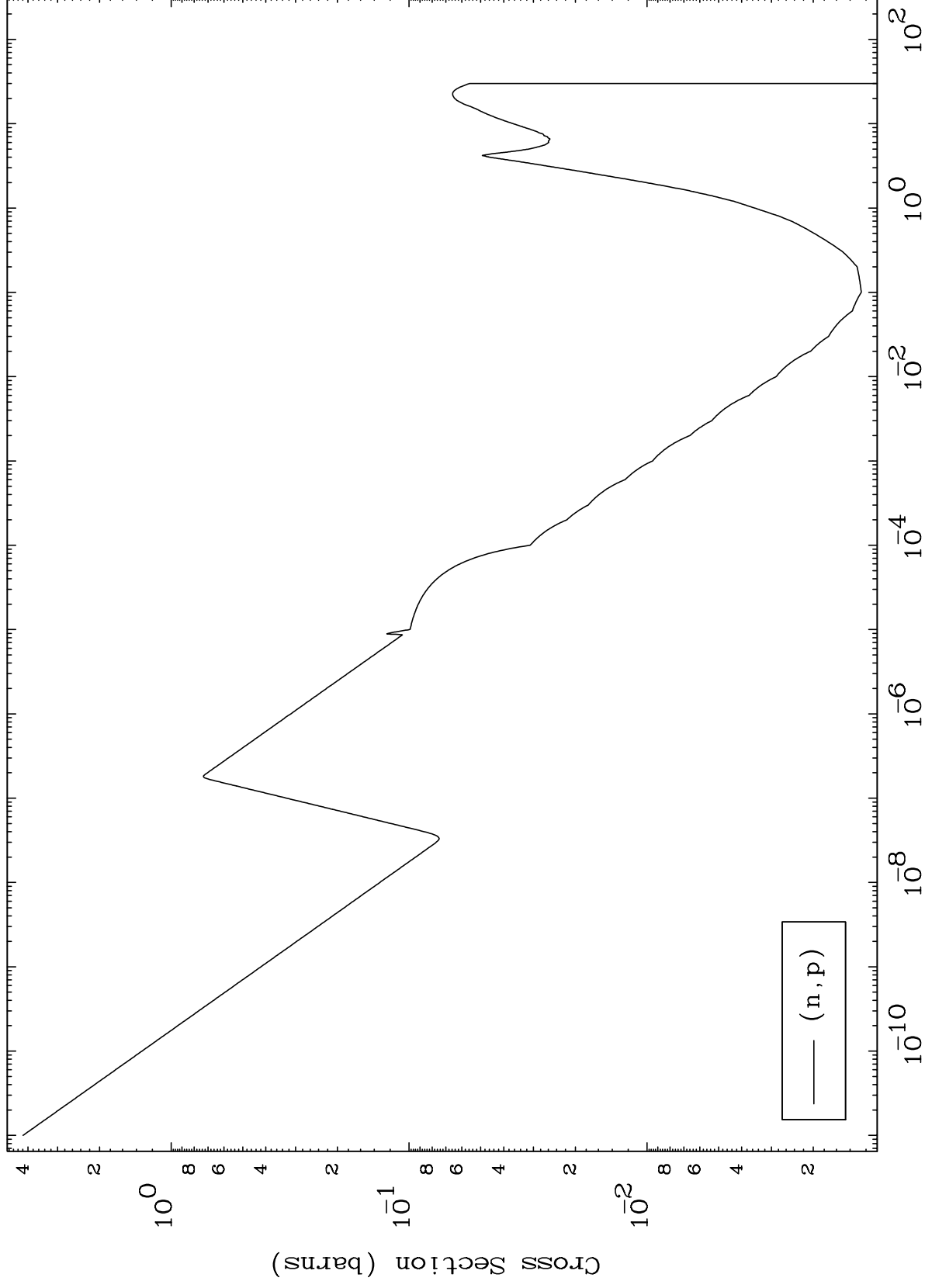
Incident Energy (MeV)

83-Bi-197

MAT 8289

(n,p) Levels  
293 Kelvin Cross Sections

83-Bi-197



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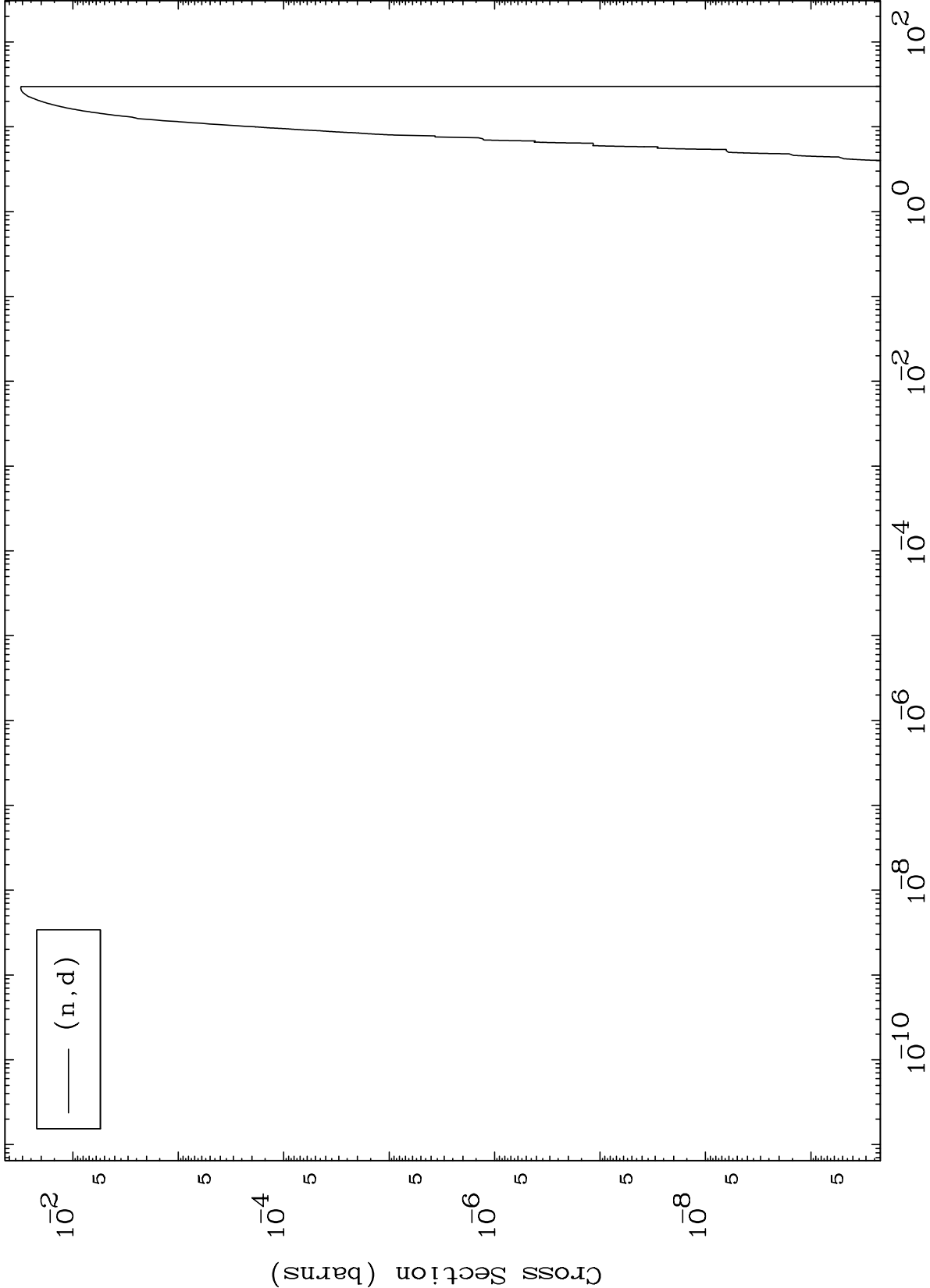
Incident Energy (MeV)

83-Bi-197

MAT 8289

(n,d) Levels  
293 Kelvin Cross Sections

83-Bi-197



12

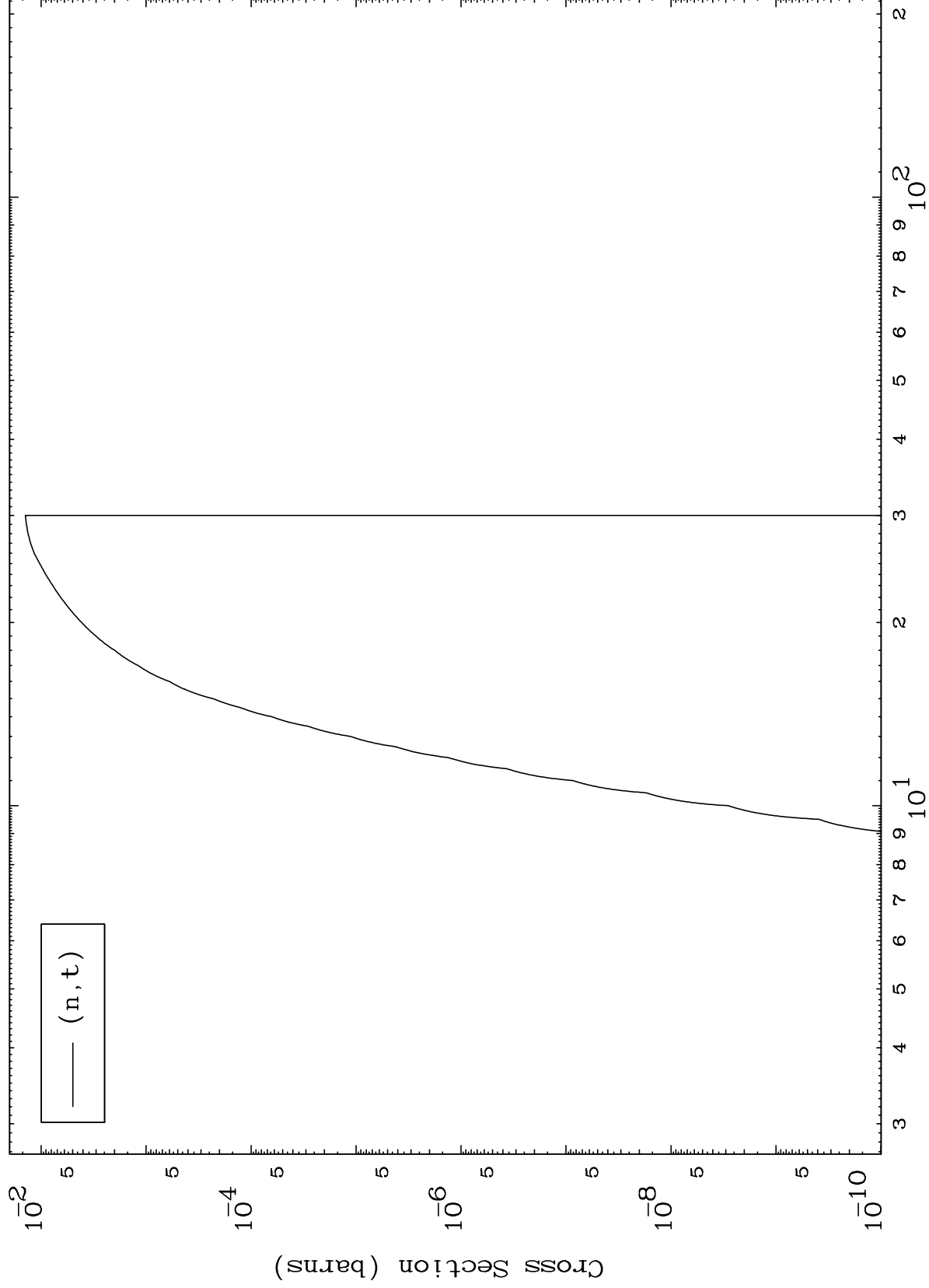
Incident Energy (MeV)

83-Bi-197

MAT 8289

83-Bi-197

(n,t) Levels  
293 Kelvin Cross Sections



13

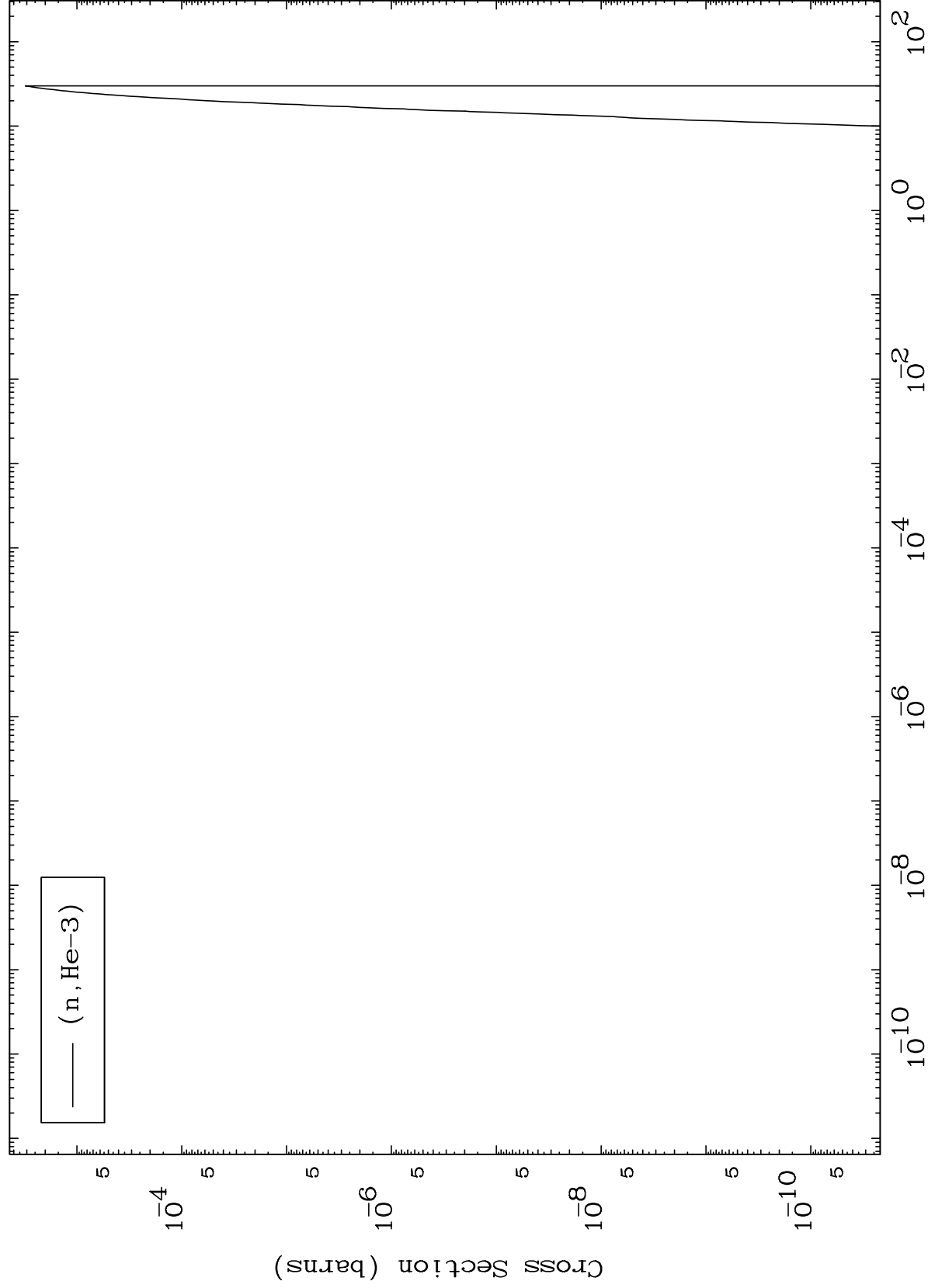
Incident Energy (MeV)

83-Bi-197

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(n,He3) Levels  
293 Kelvin Cross Sections

83-Bi-197



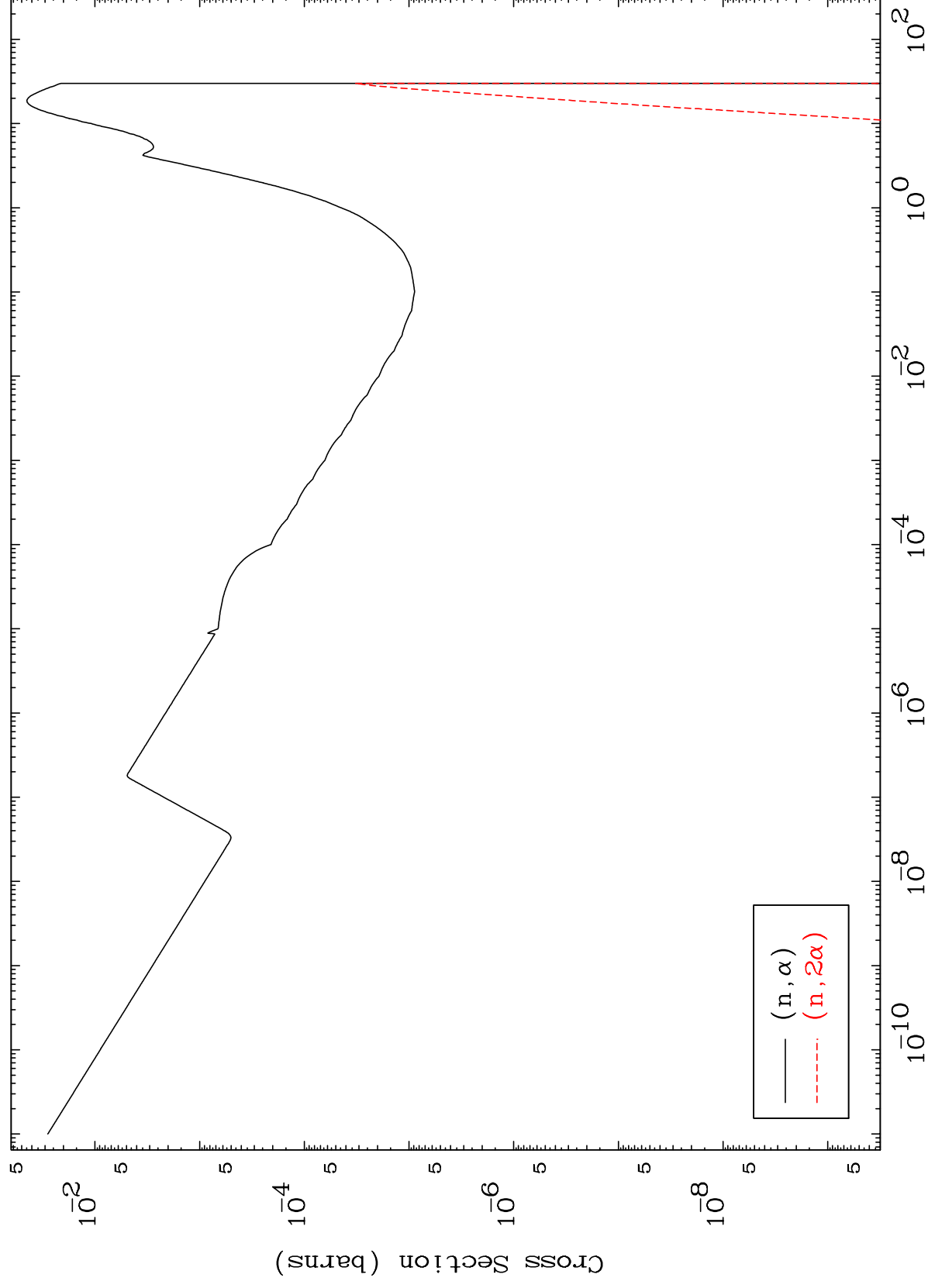
14

83-Bi-197

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

83-Bi-197



15

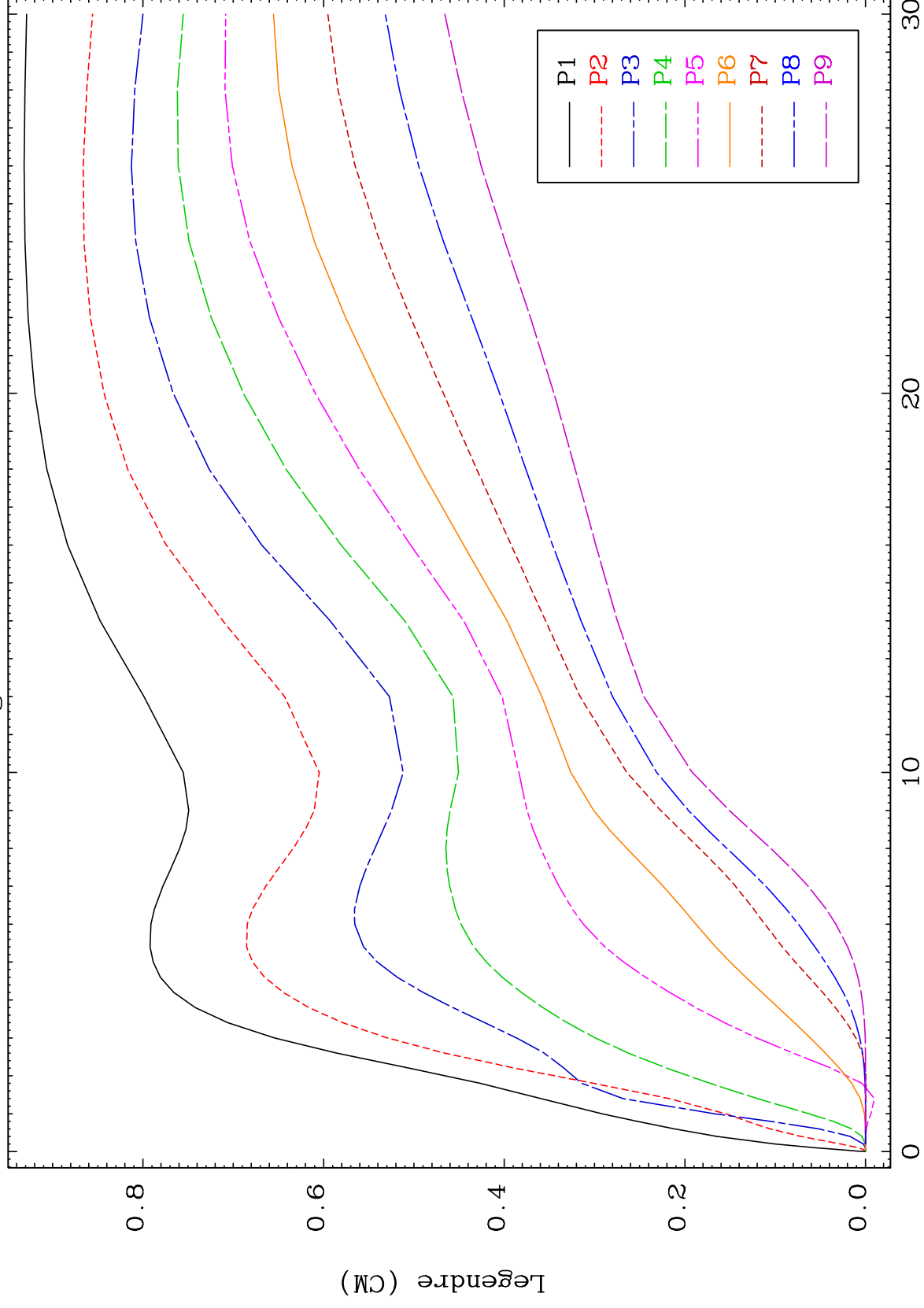
Incident Energy (MeV)

83-Bi-197

MAT 8289

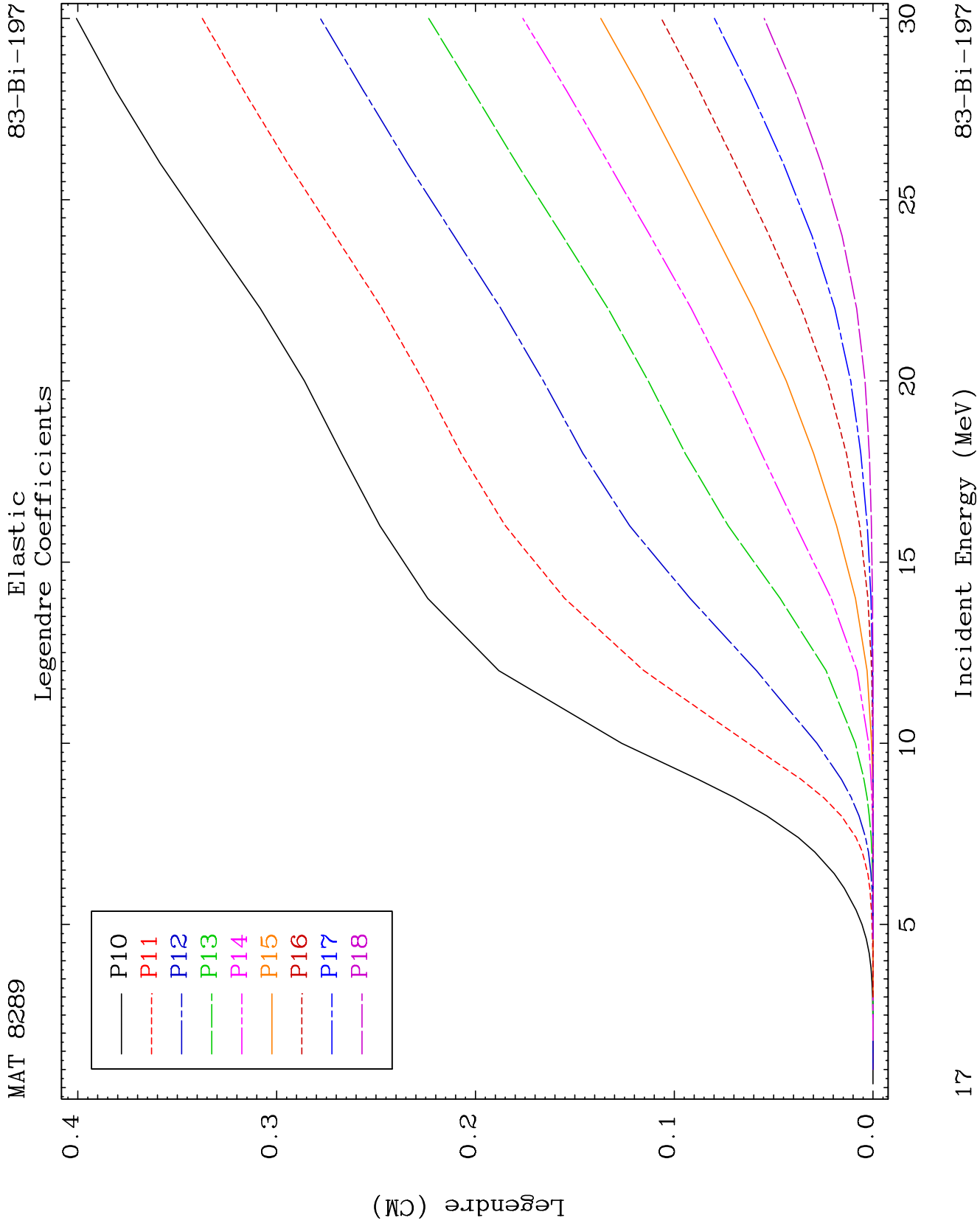
83-Bi-197

# Elastic Legendre Coefficients



83-Bi-197

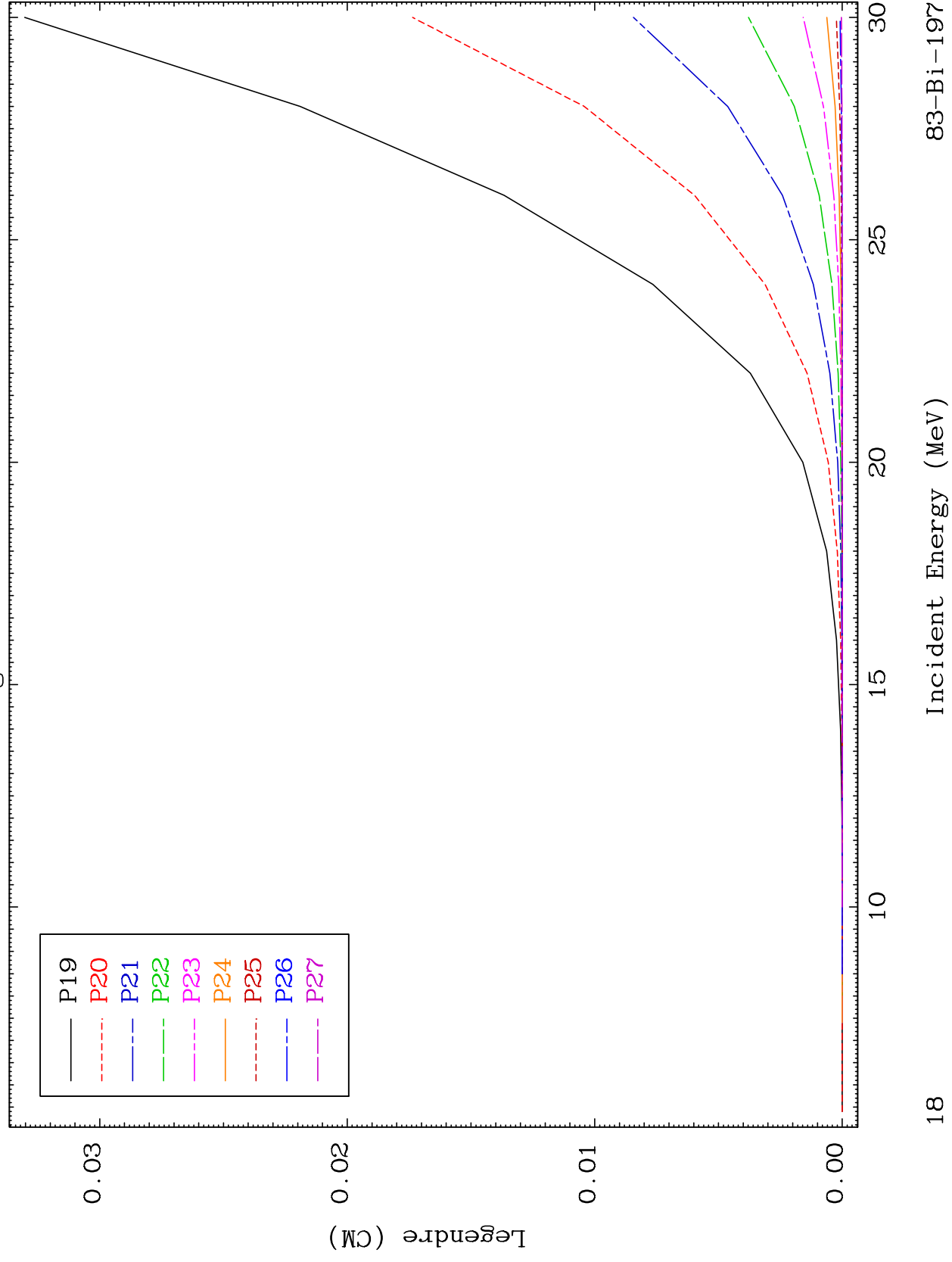
Incident Energy (MeV)

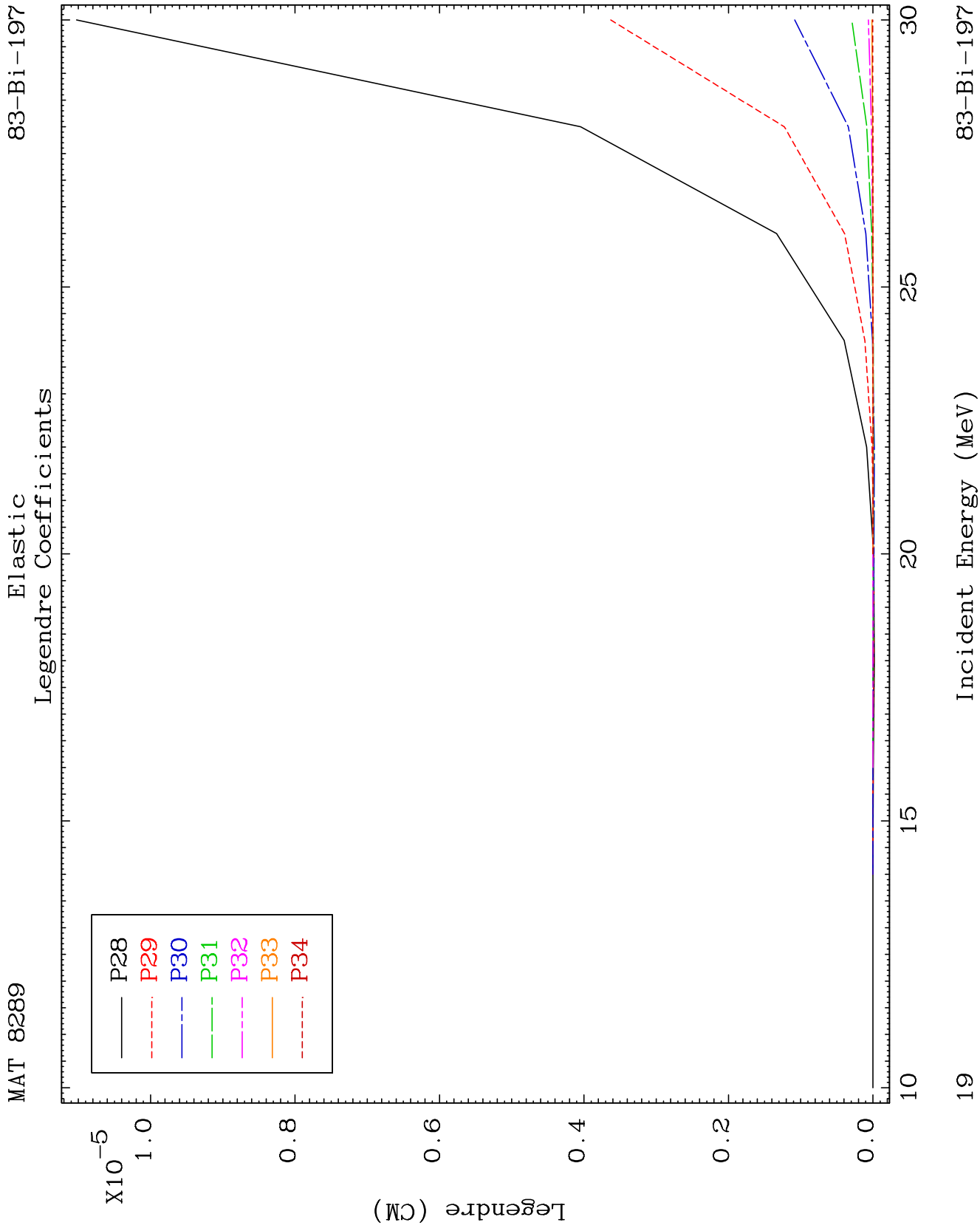


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## Elastic Legendre Coefficients

83-Bi-197

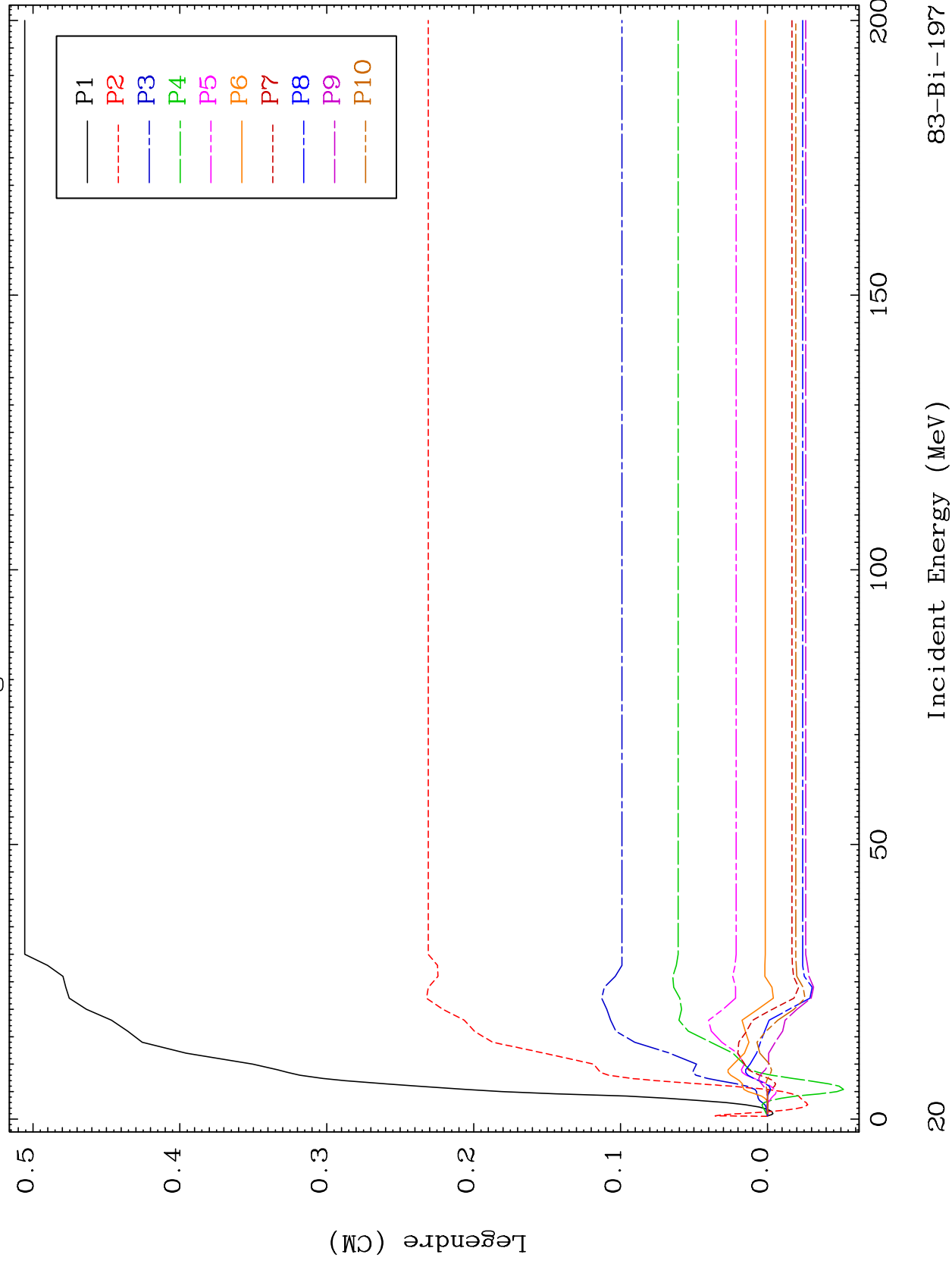




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MT= 51 (n, n') Level  
Legendre Coefficients

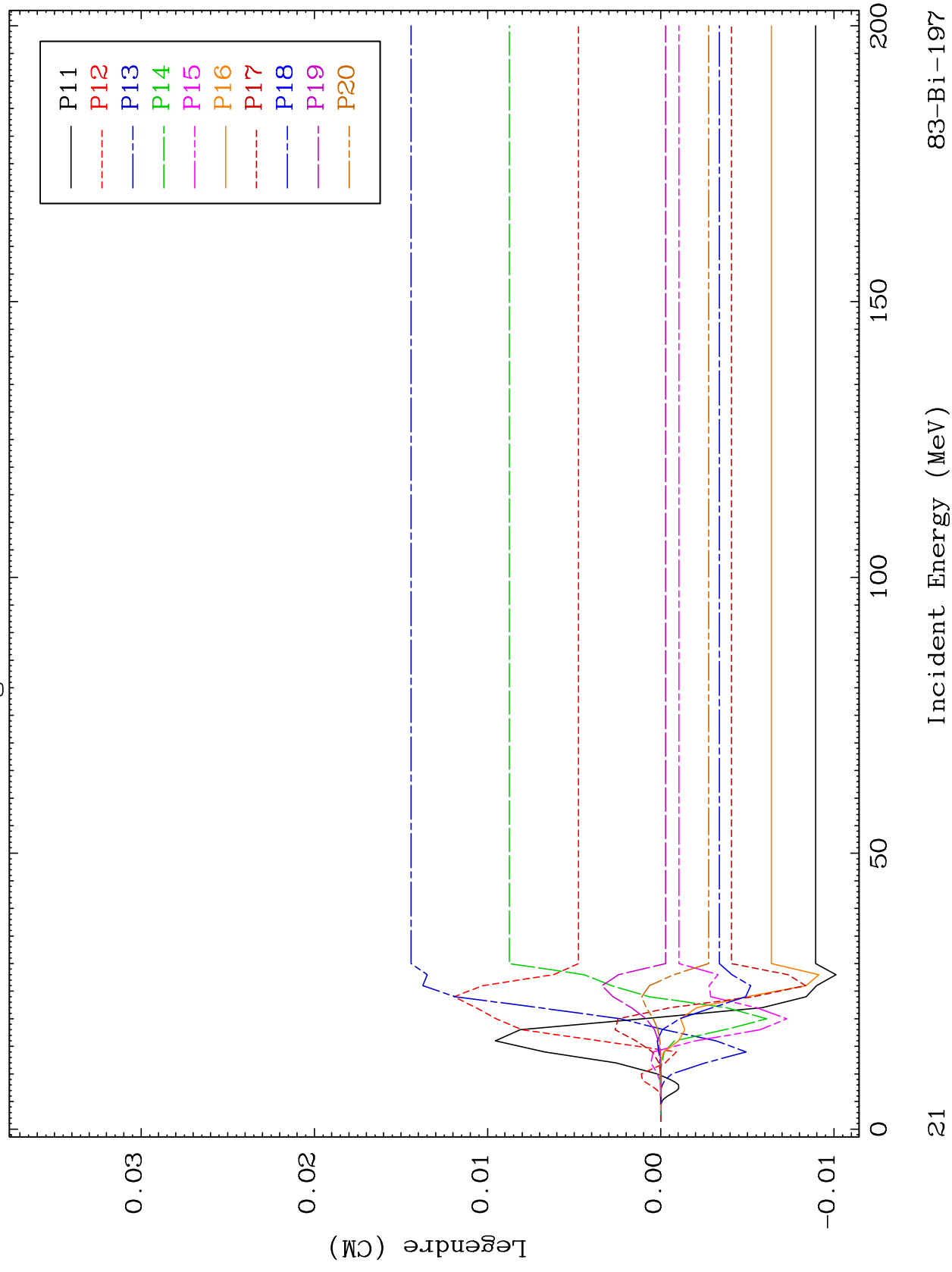
83-Bi-197



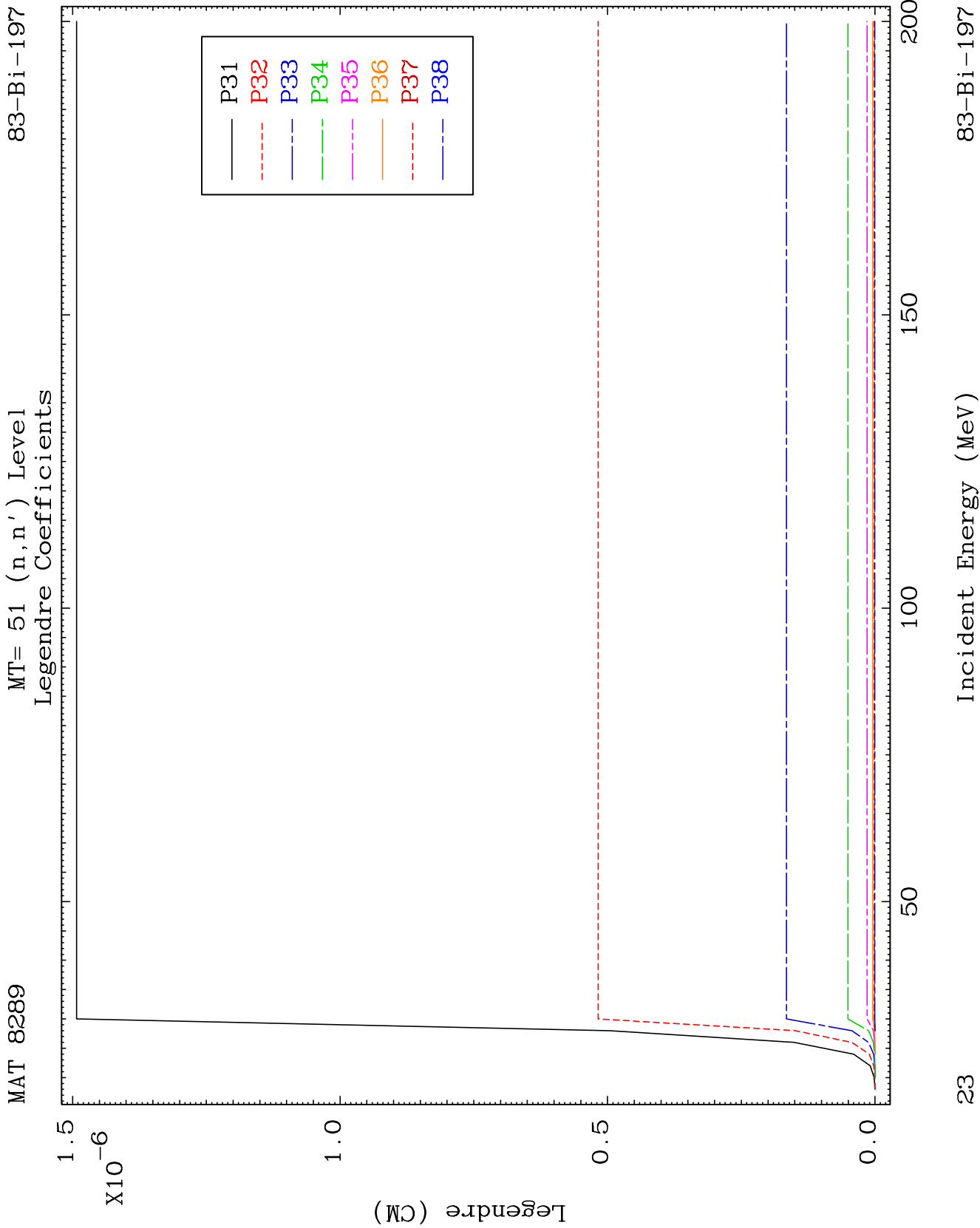
MAT 8289

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

83-Bi-197



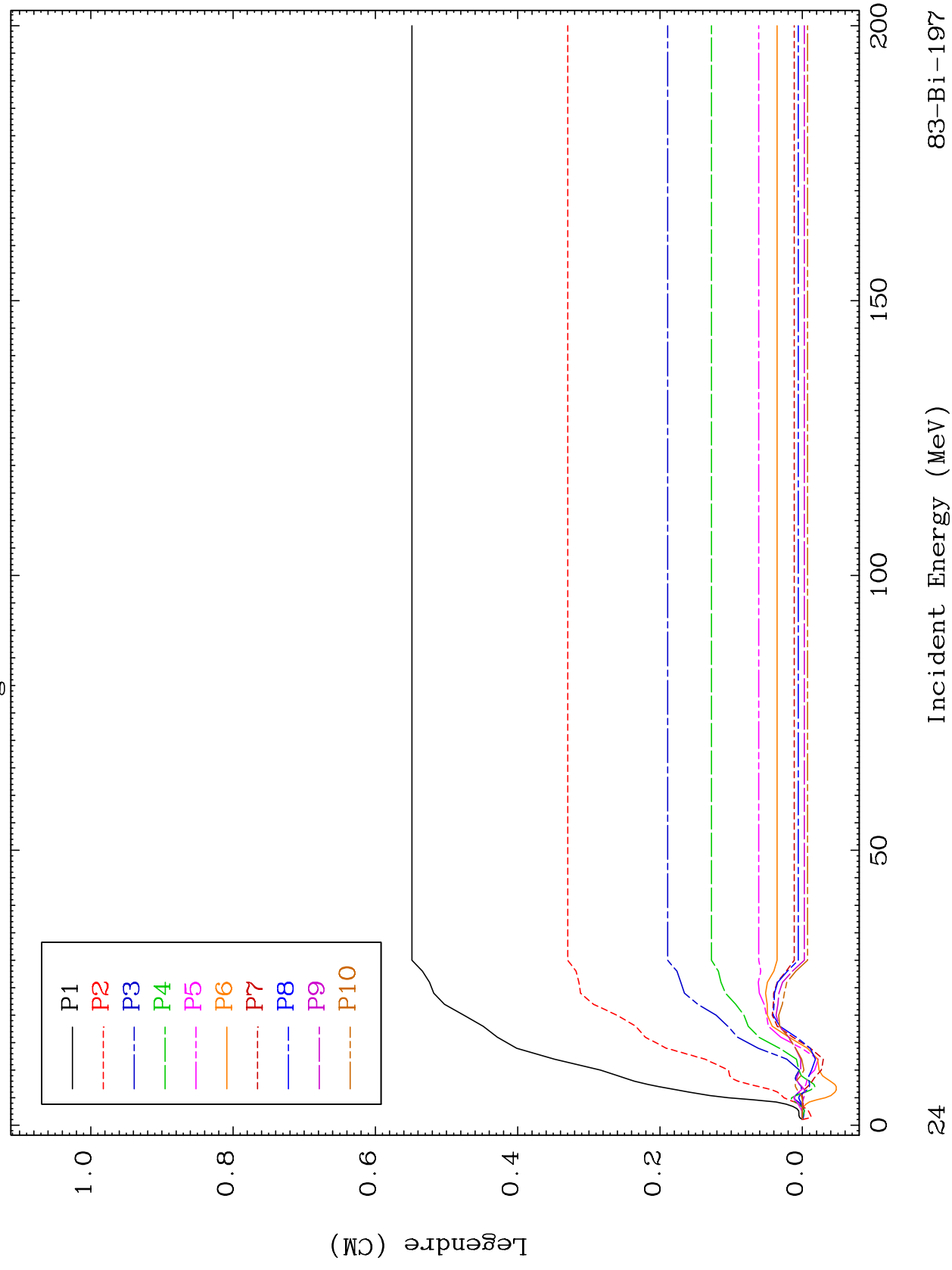


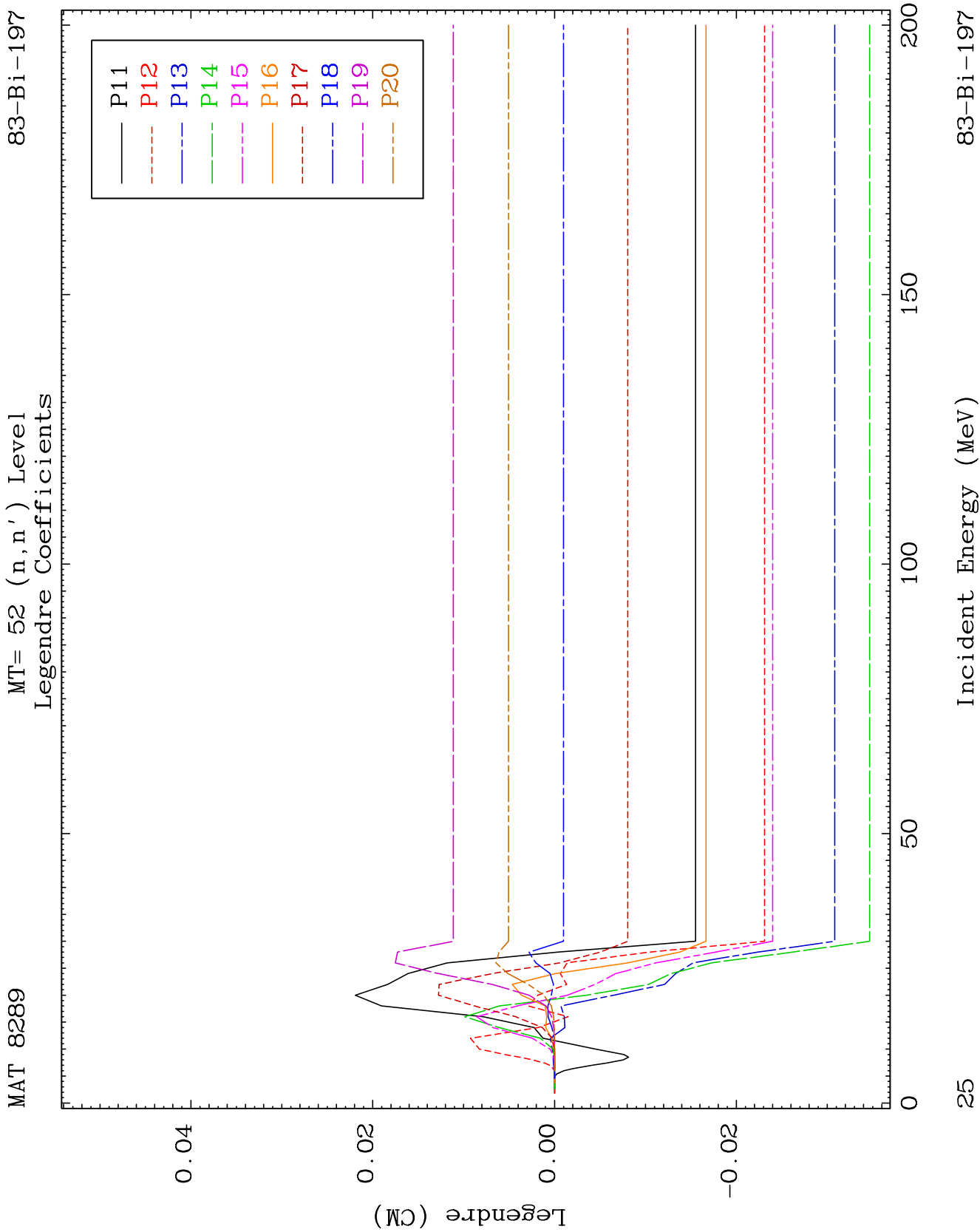


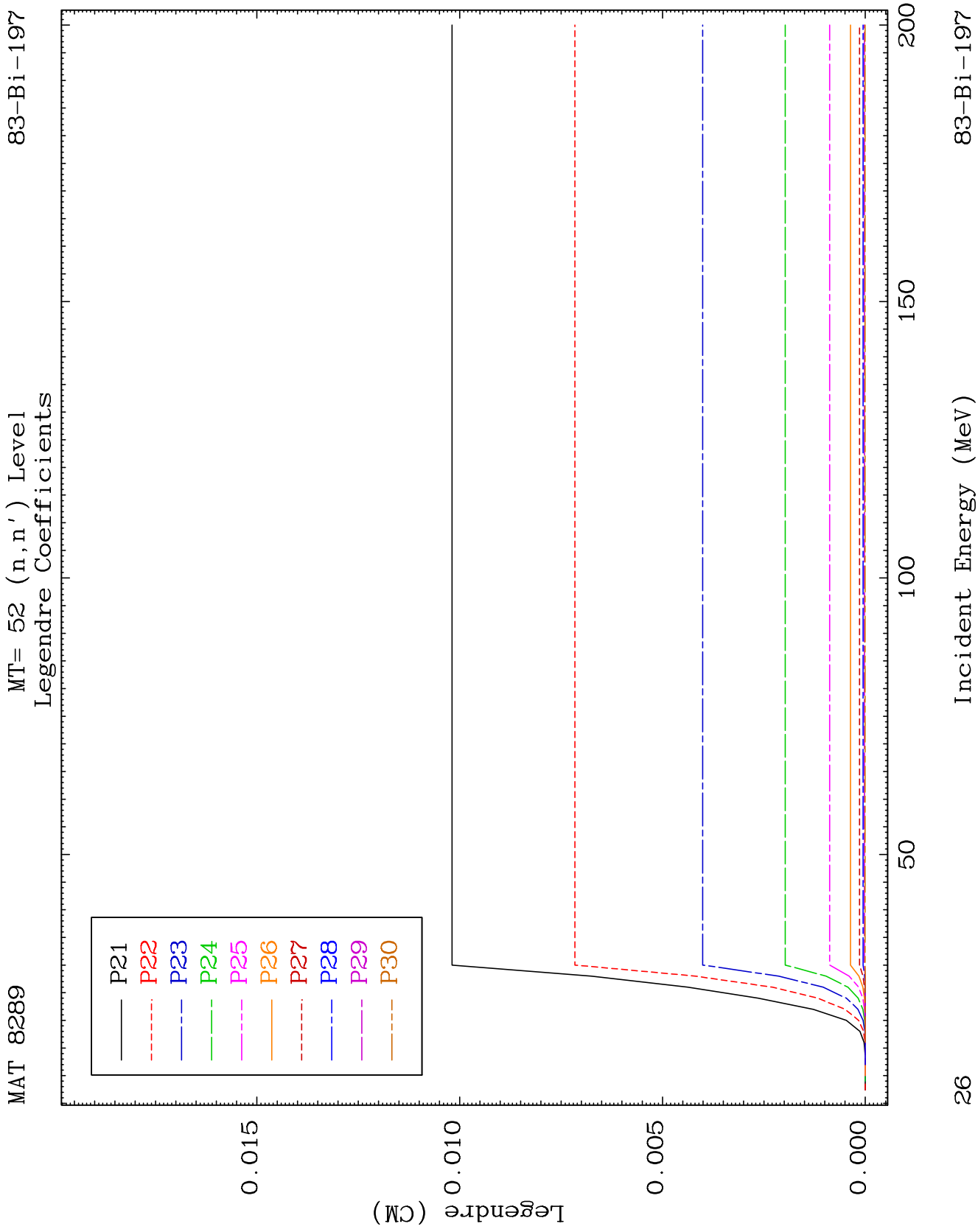
MAT 8289

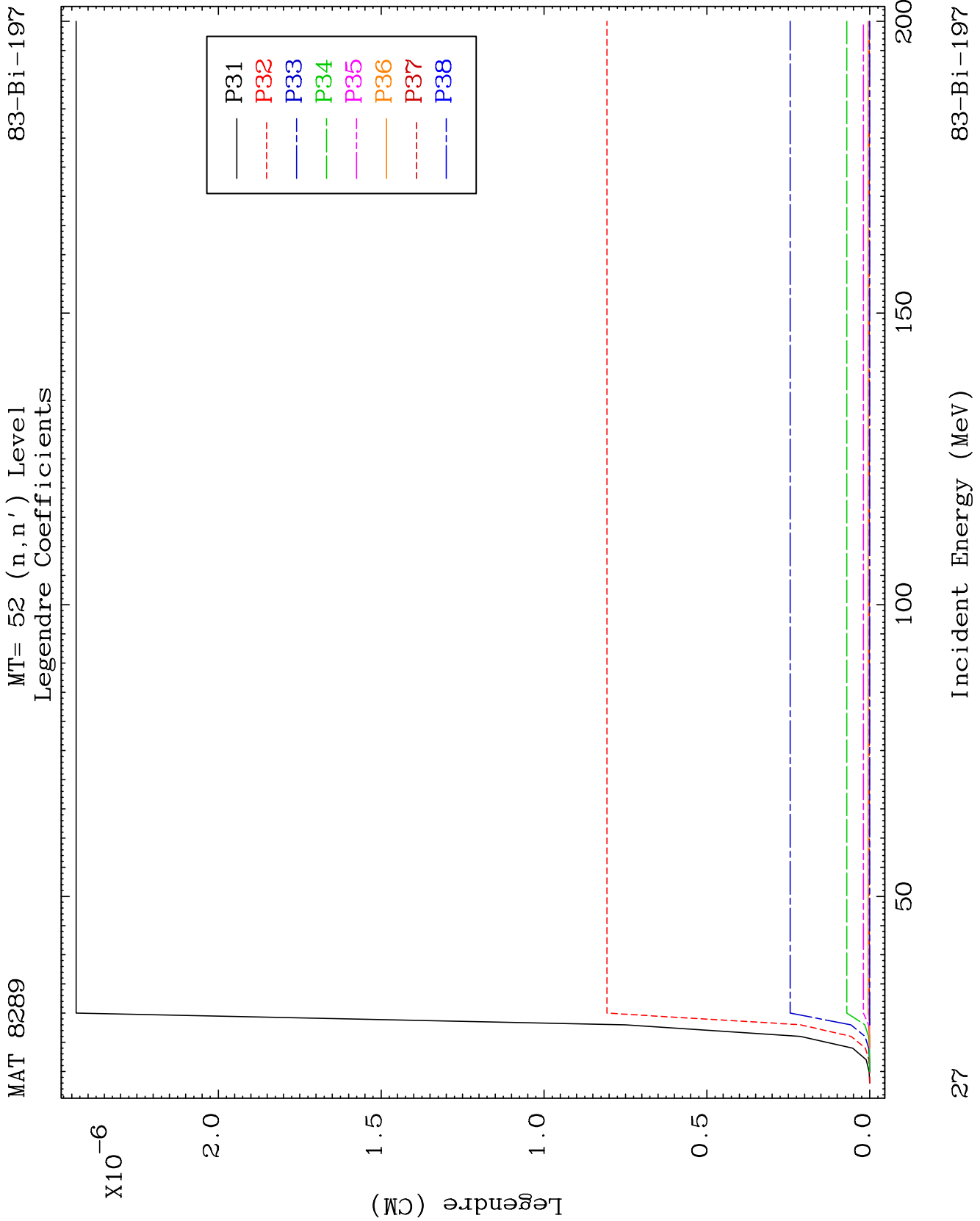
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Legendre Coefficients

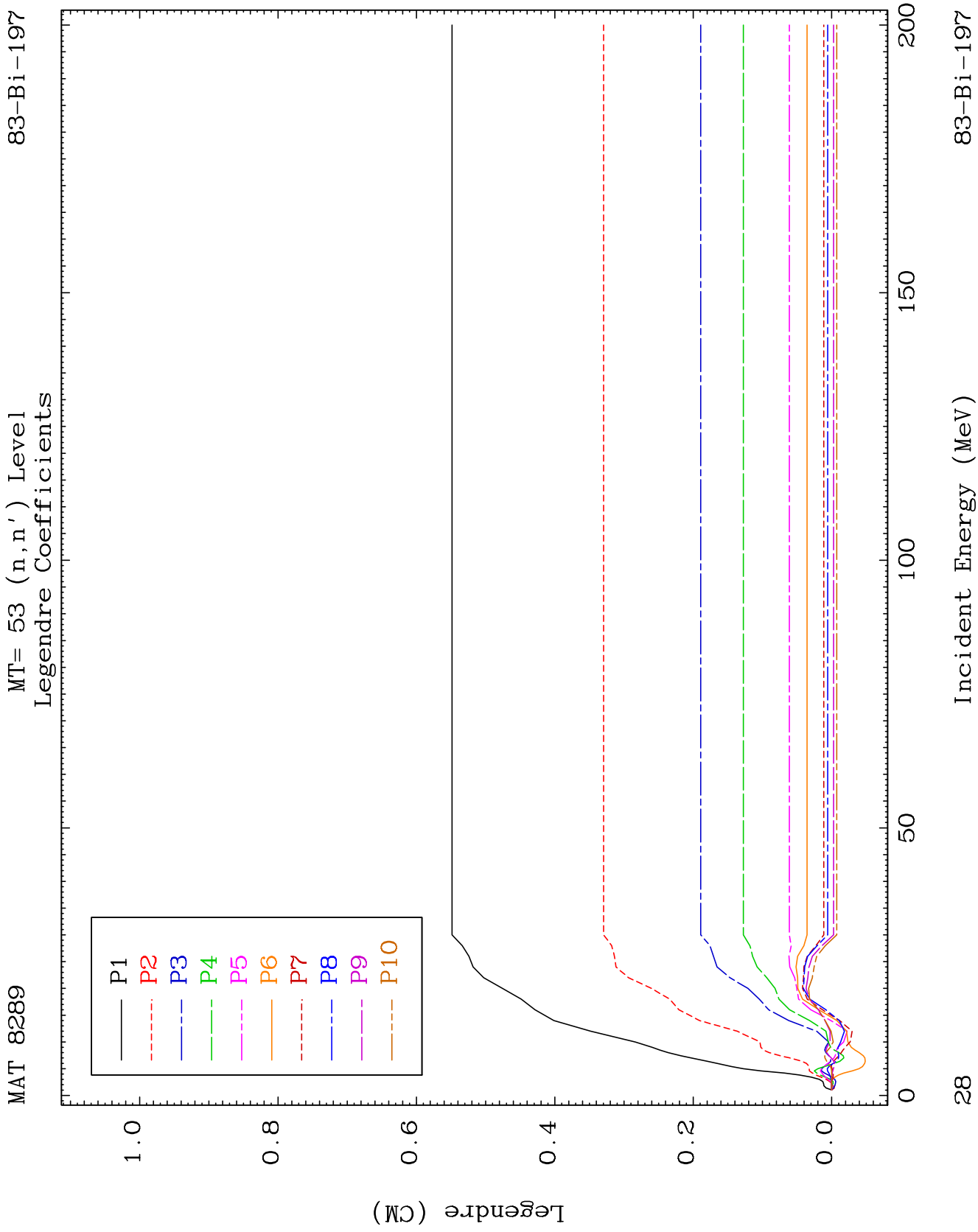
83-Bi-197

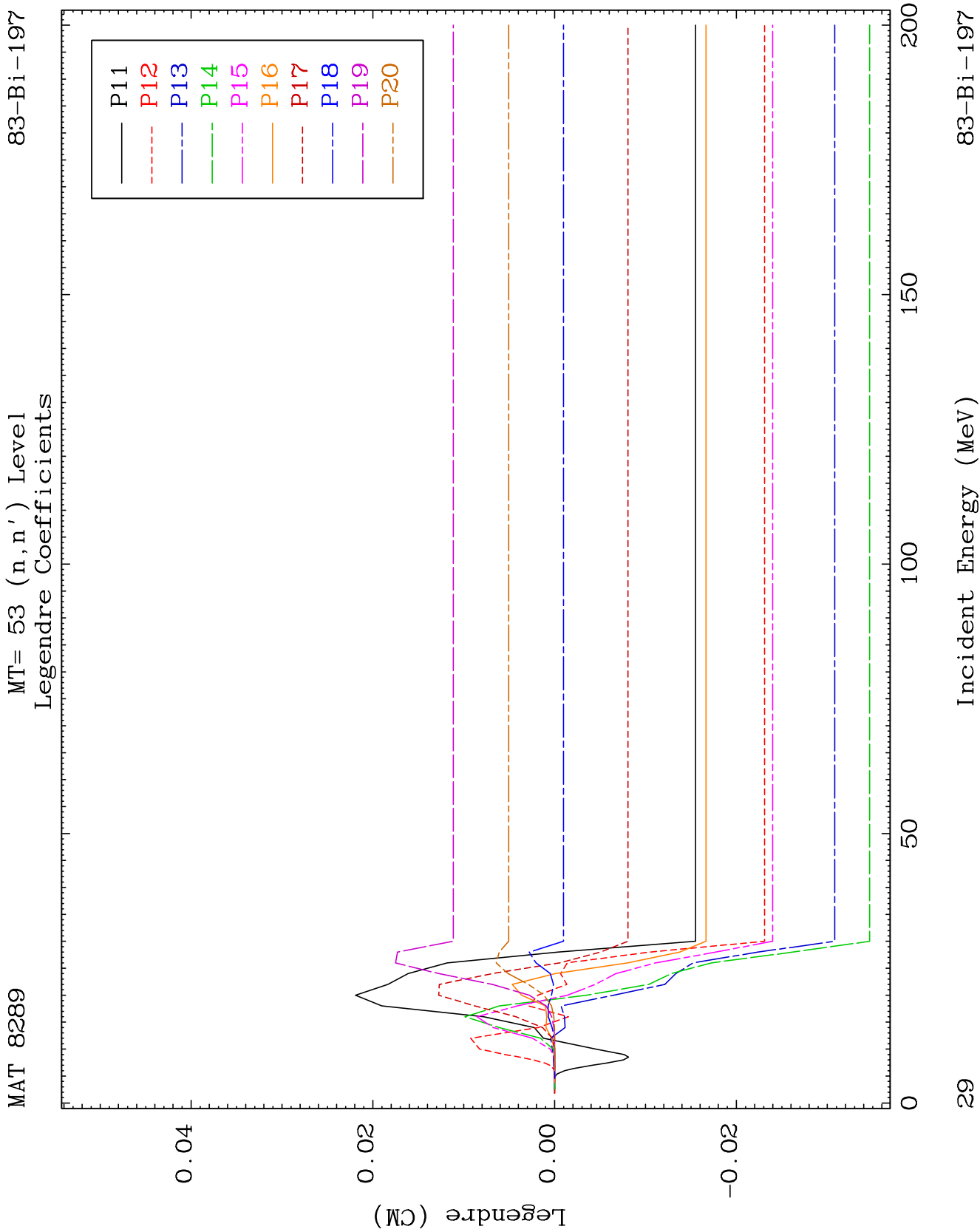








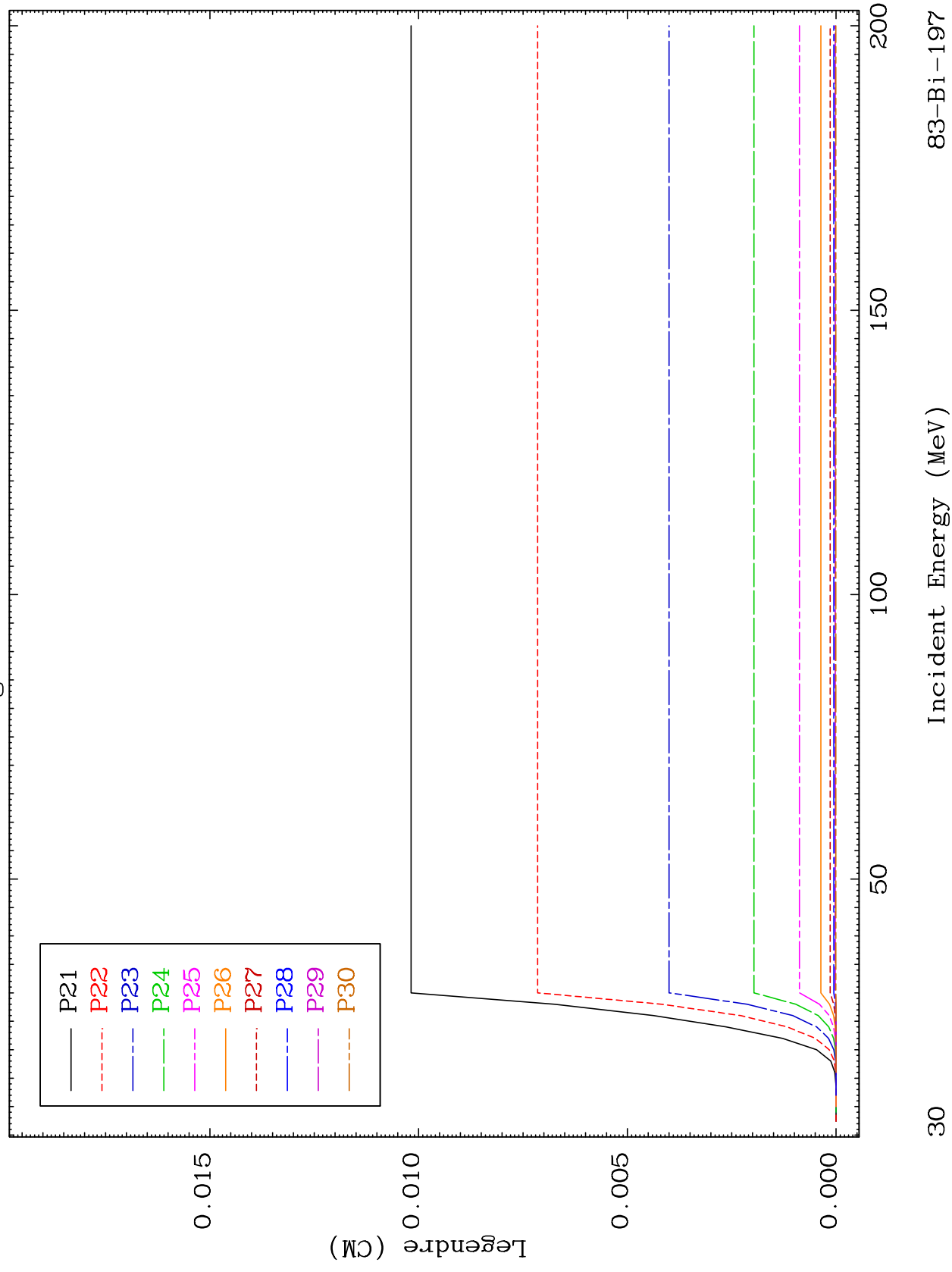


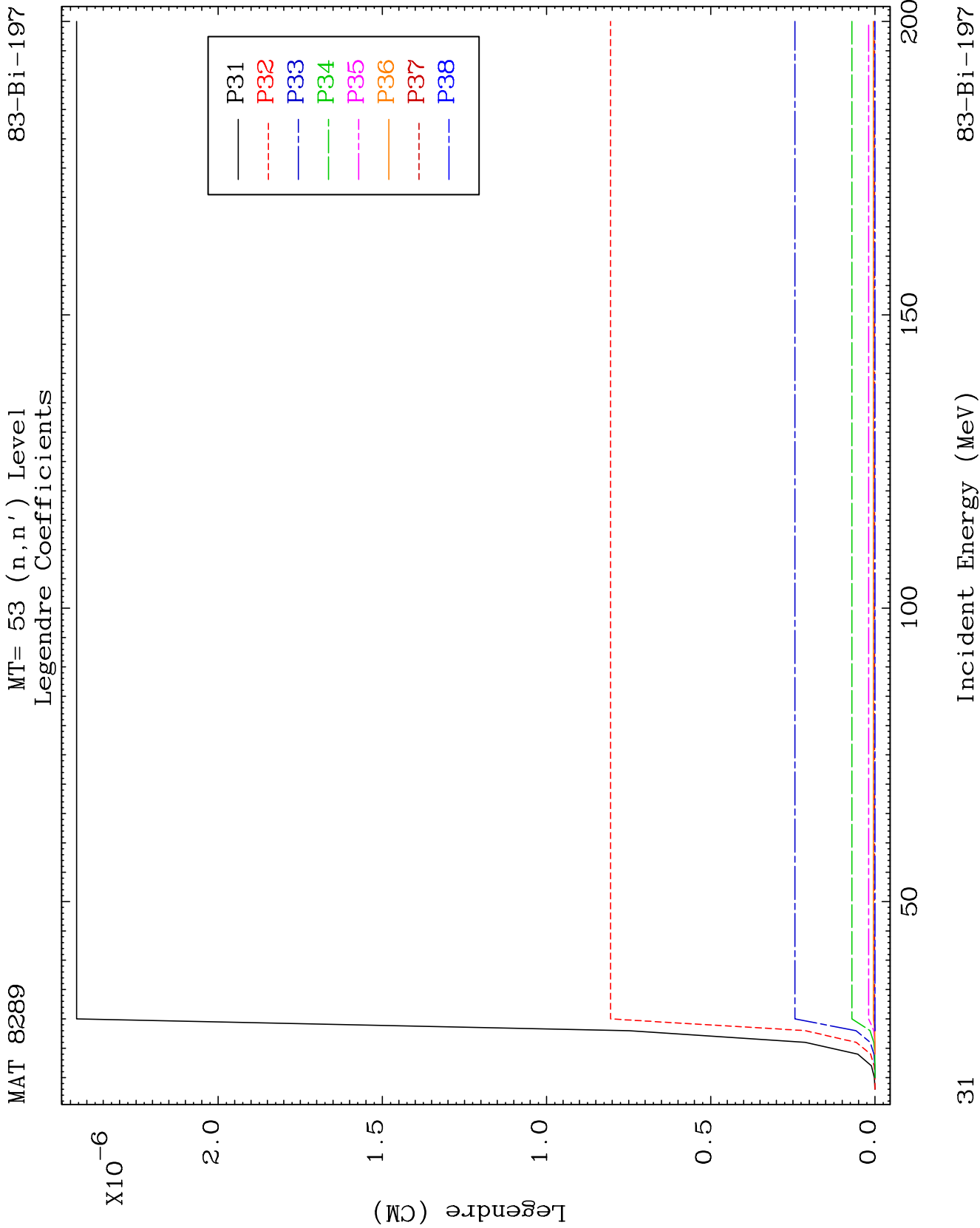


MAT 8289

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

83-Bi-197

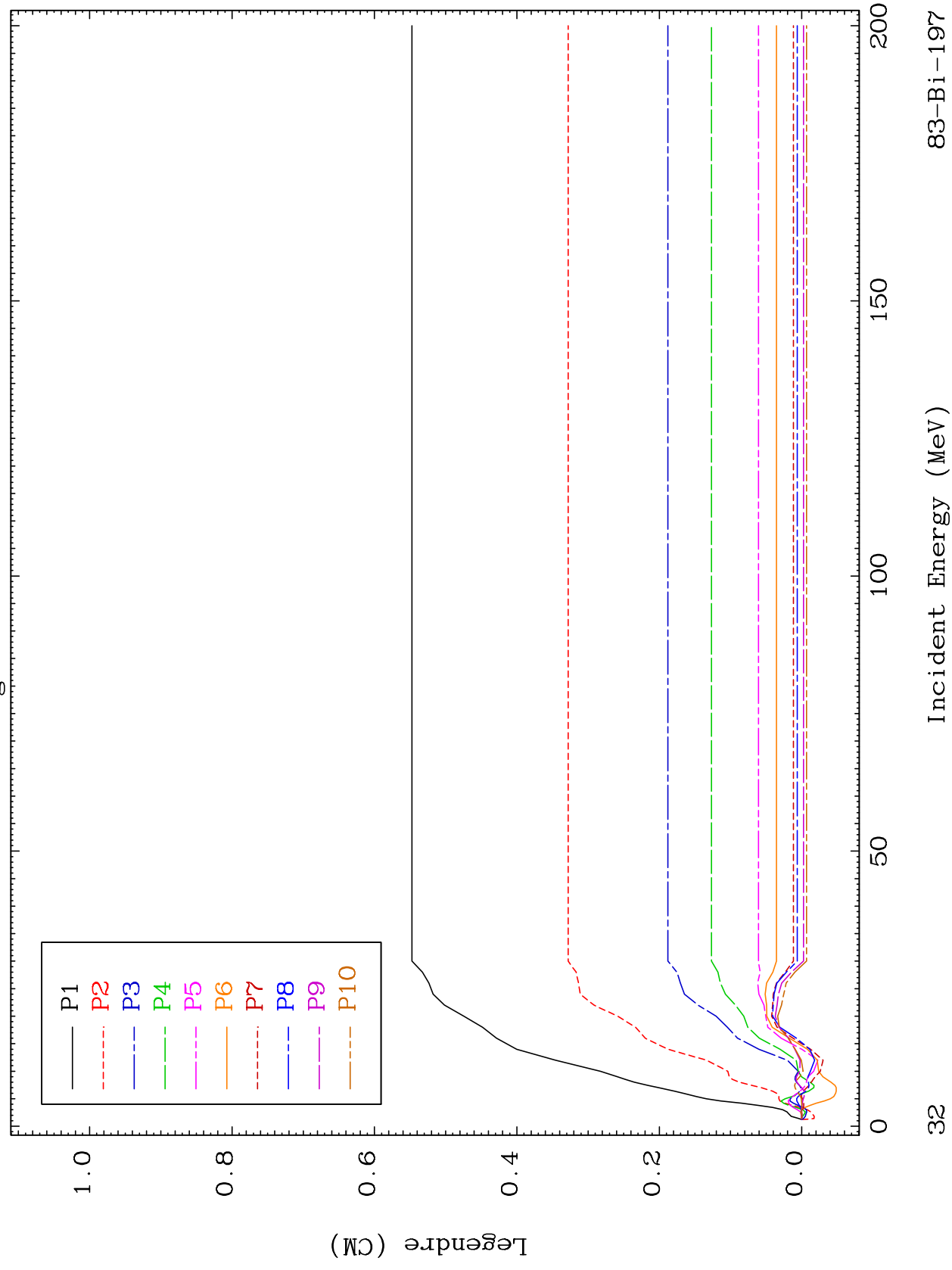


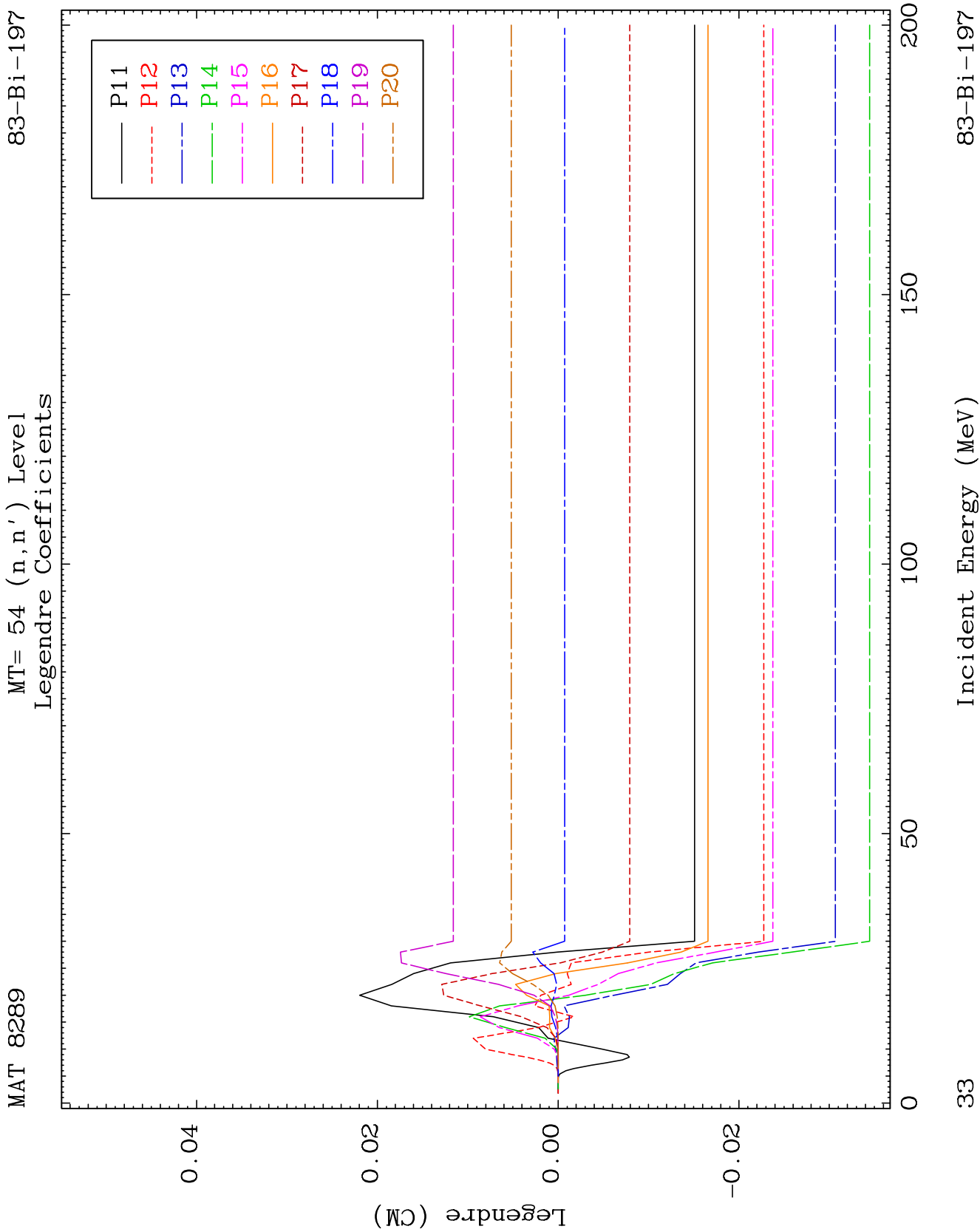


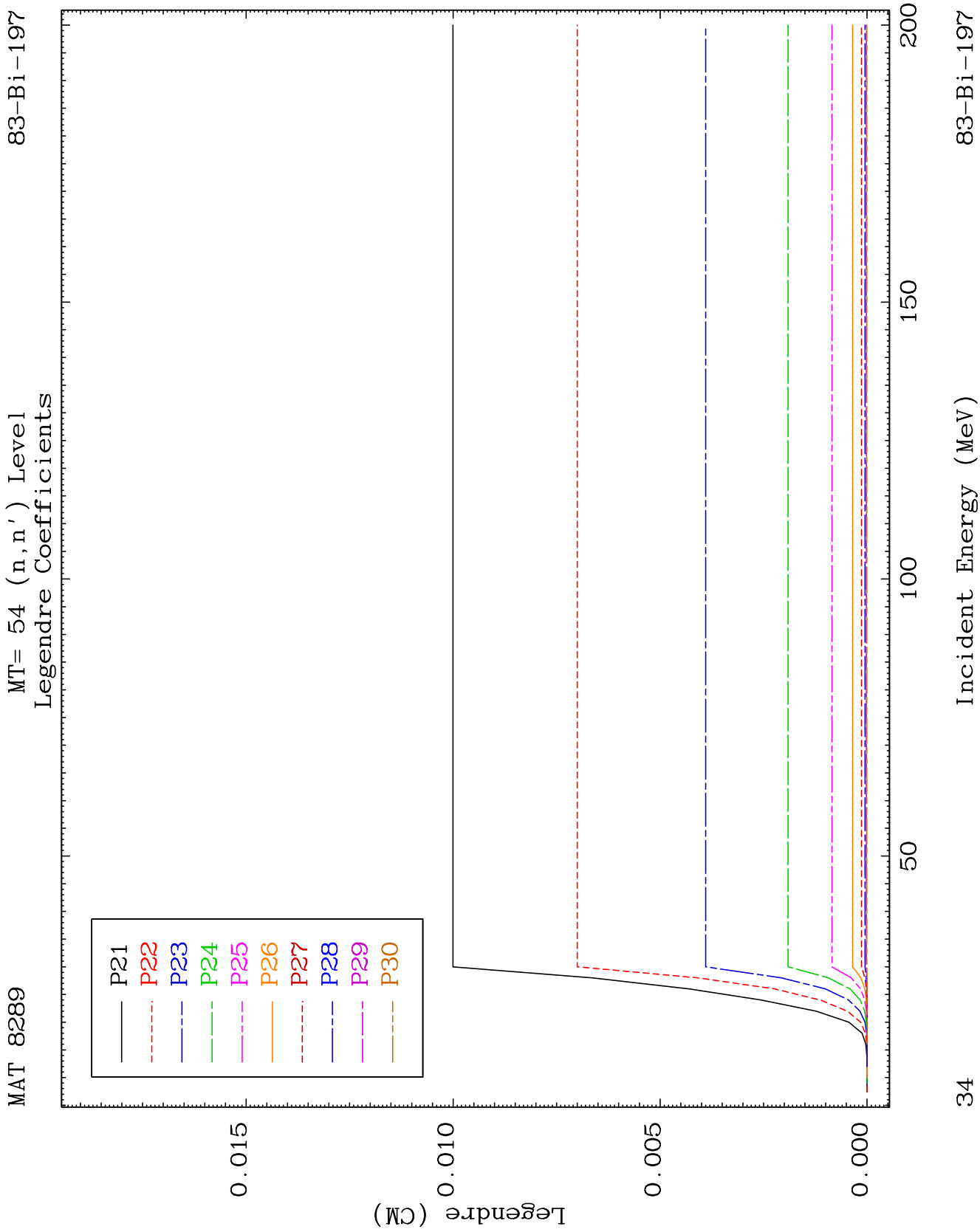
MAT 8289

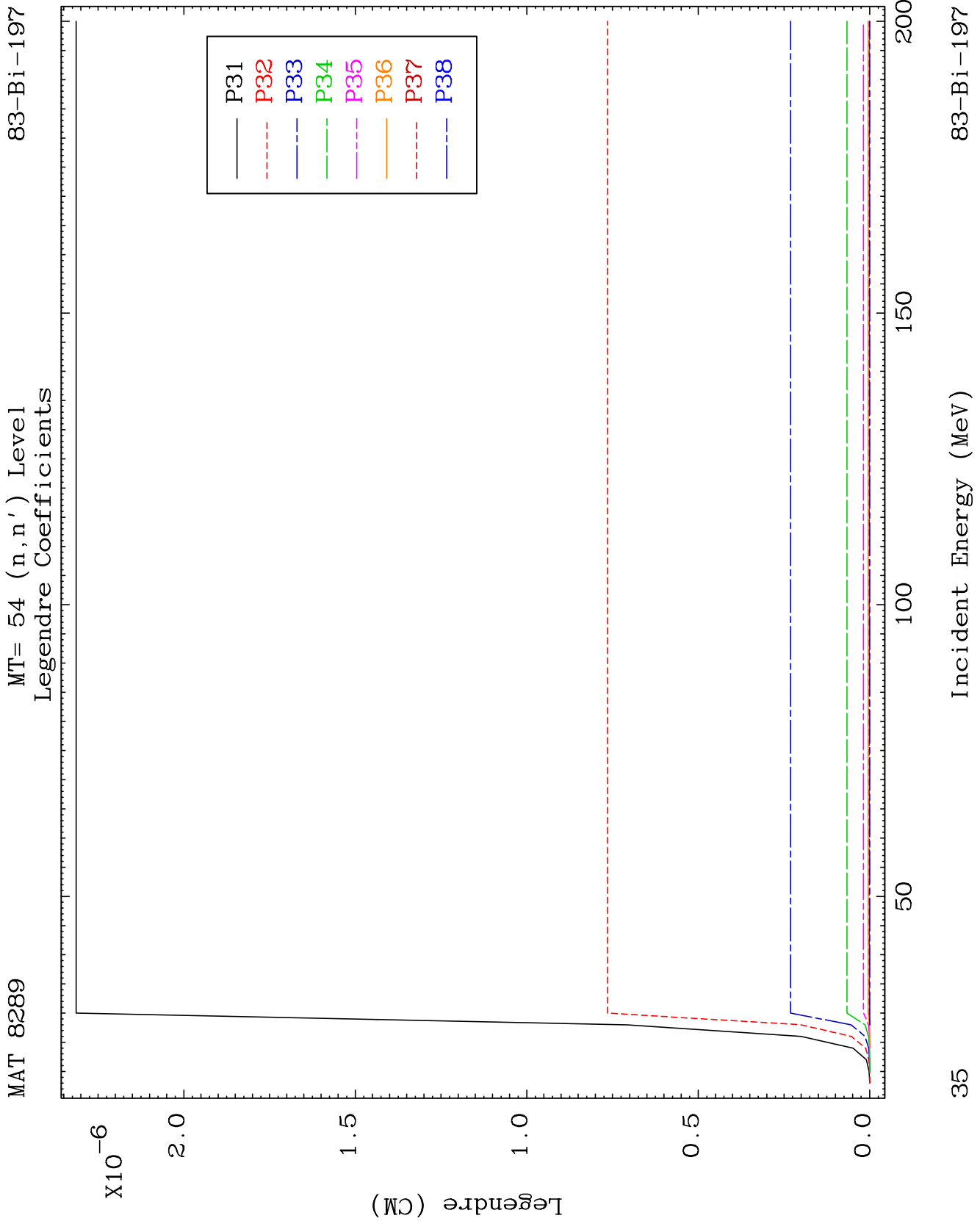
MT= 54 (n, n') Level  
Legendre Coefficients

83-Bi-197





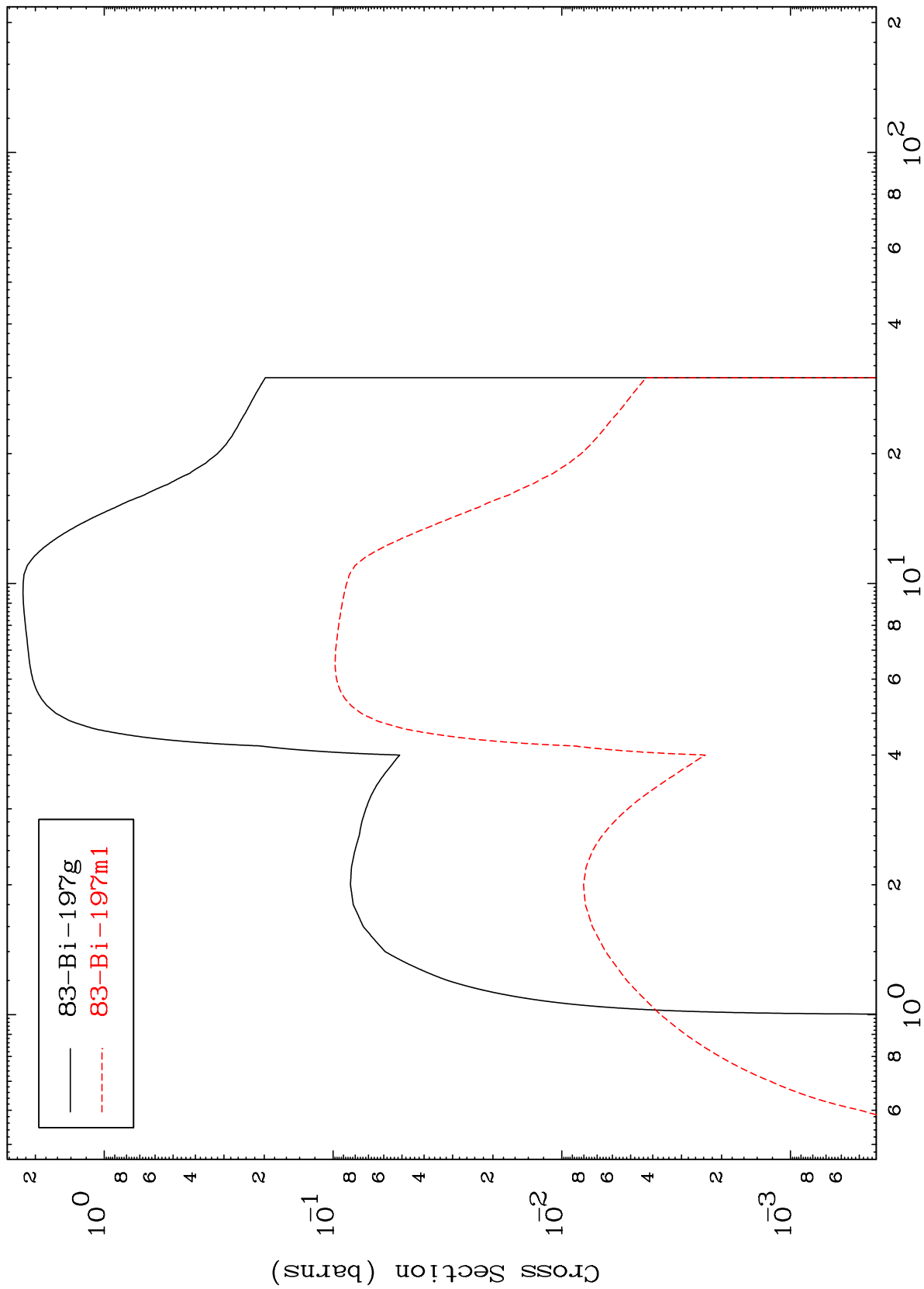




MAT 8289

83-Bi-197

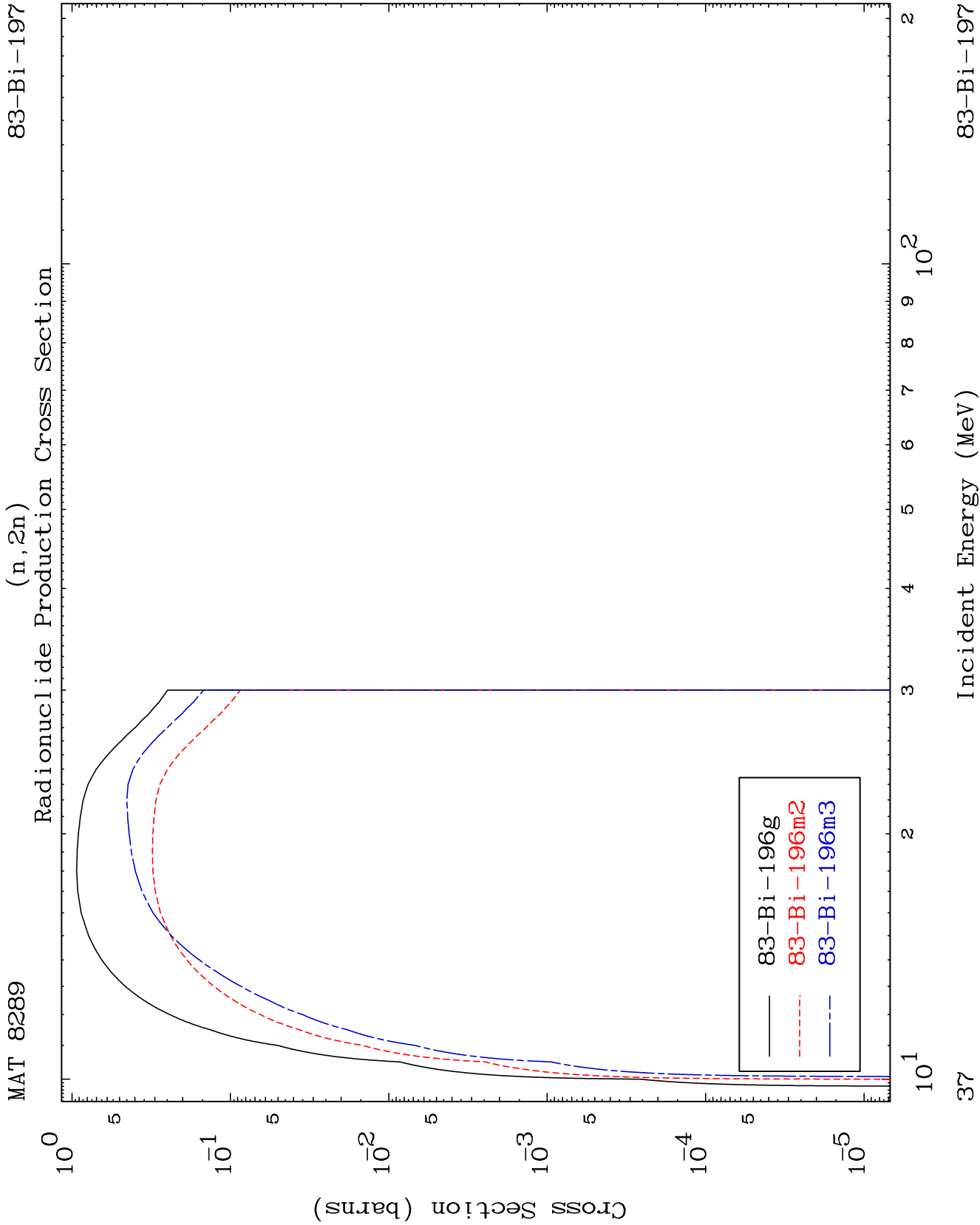
Inelastic  
Radionuclide Production Cross Section



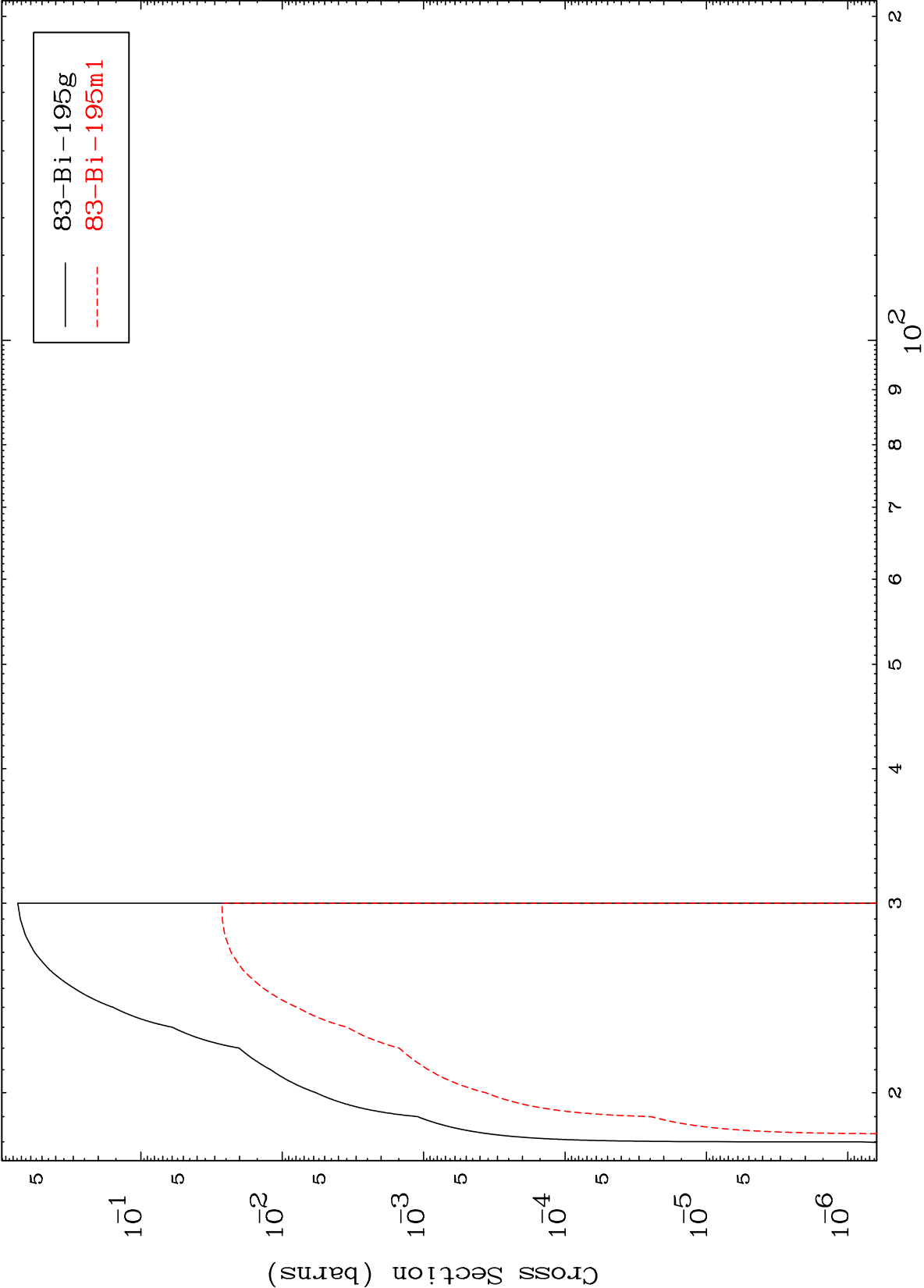
36

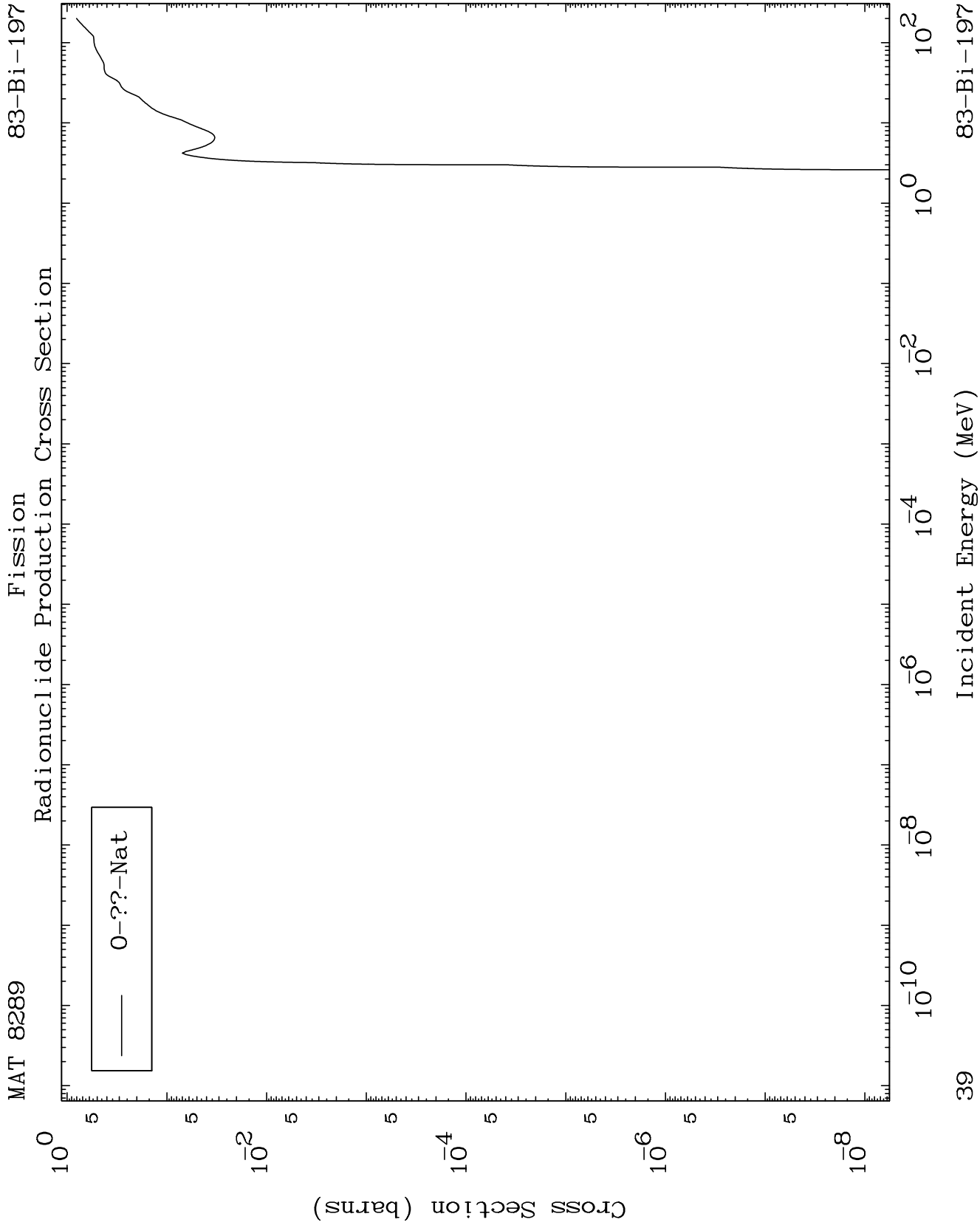
Incident Energy (MeV)

83-Bi-197



(n,3n)  
Radionuclide Production Cross Section



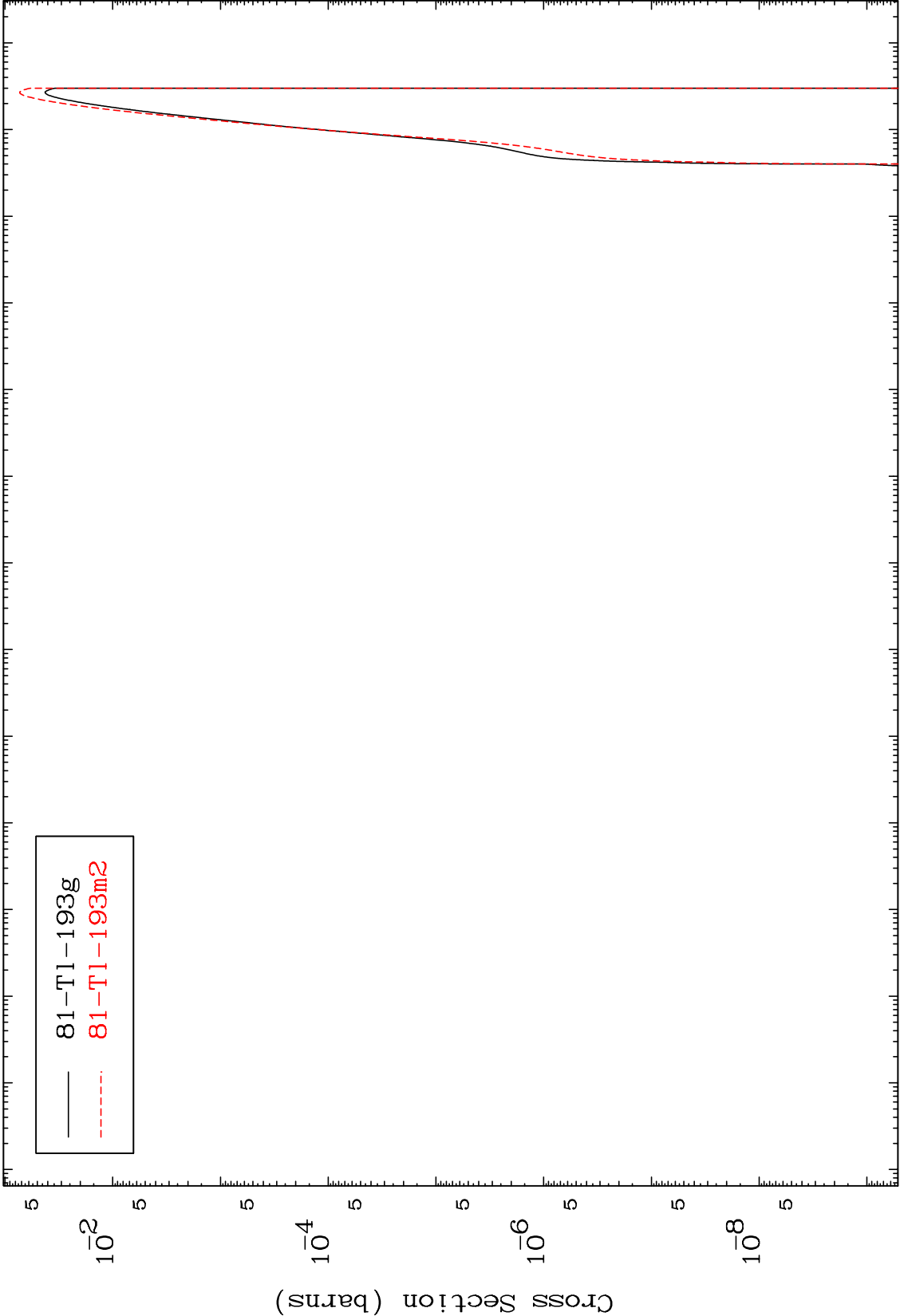


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$(n,n') \alpha$

83-Bi-197

Radionuclide Production Cross Section



40

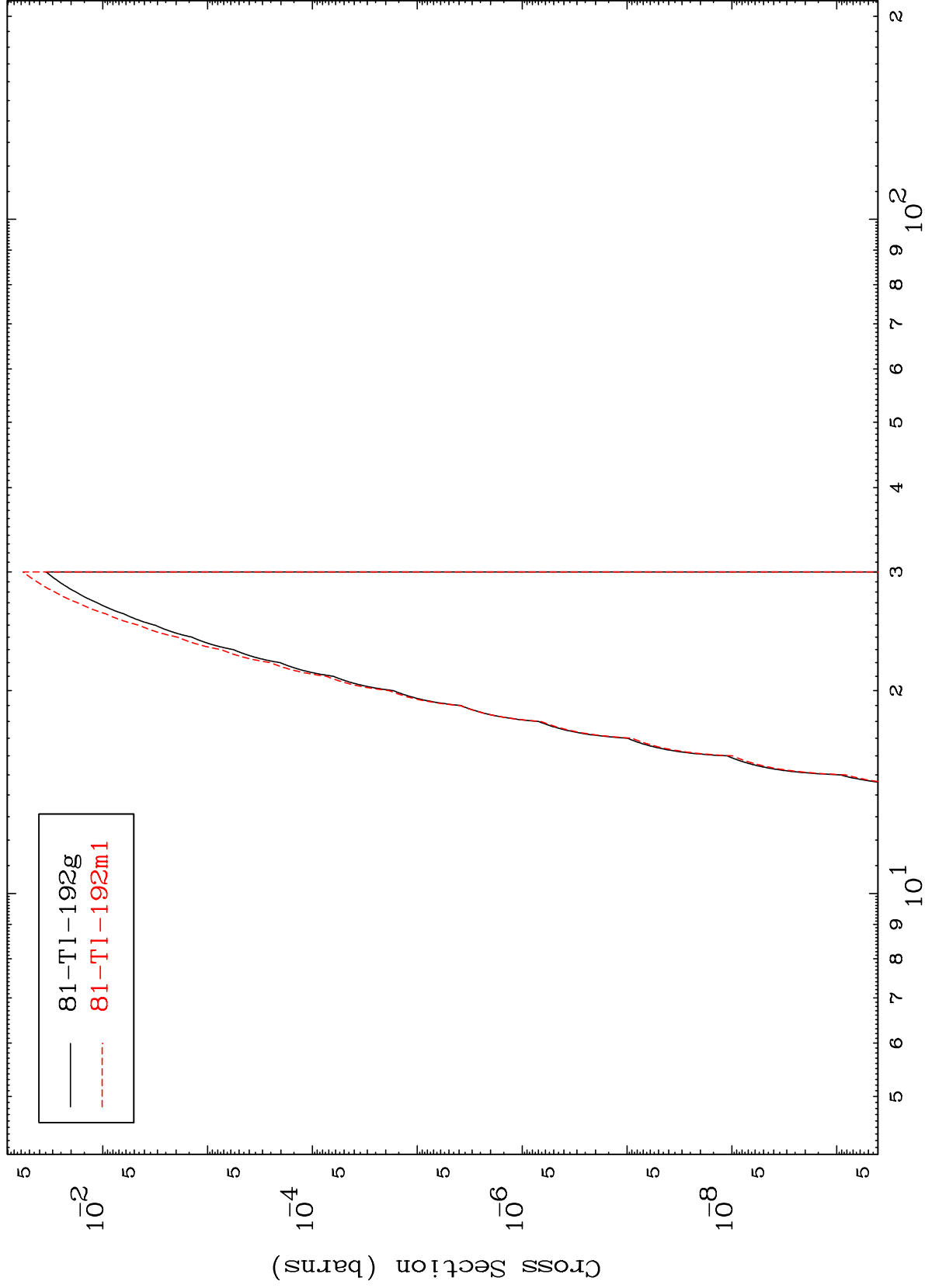
Incident Energy (MeV)

83-Bi-197

MAT 8289

83-Bi-197

(n,2n)  $\alpha$   
Radionuclide Production Cross Section

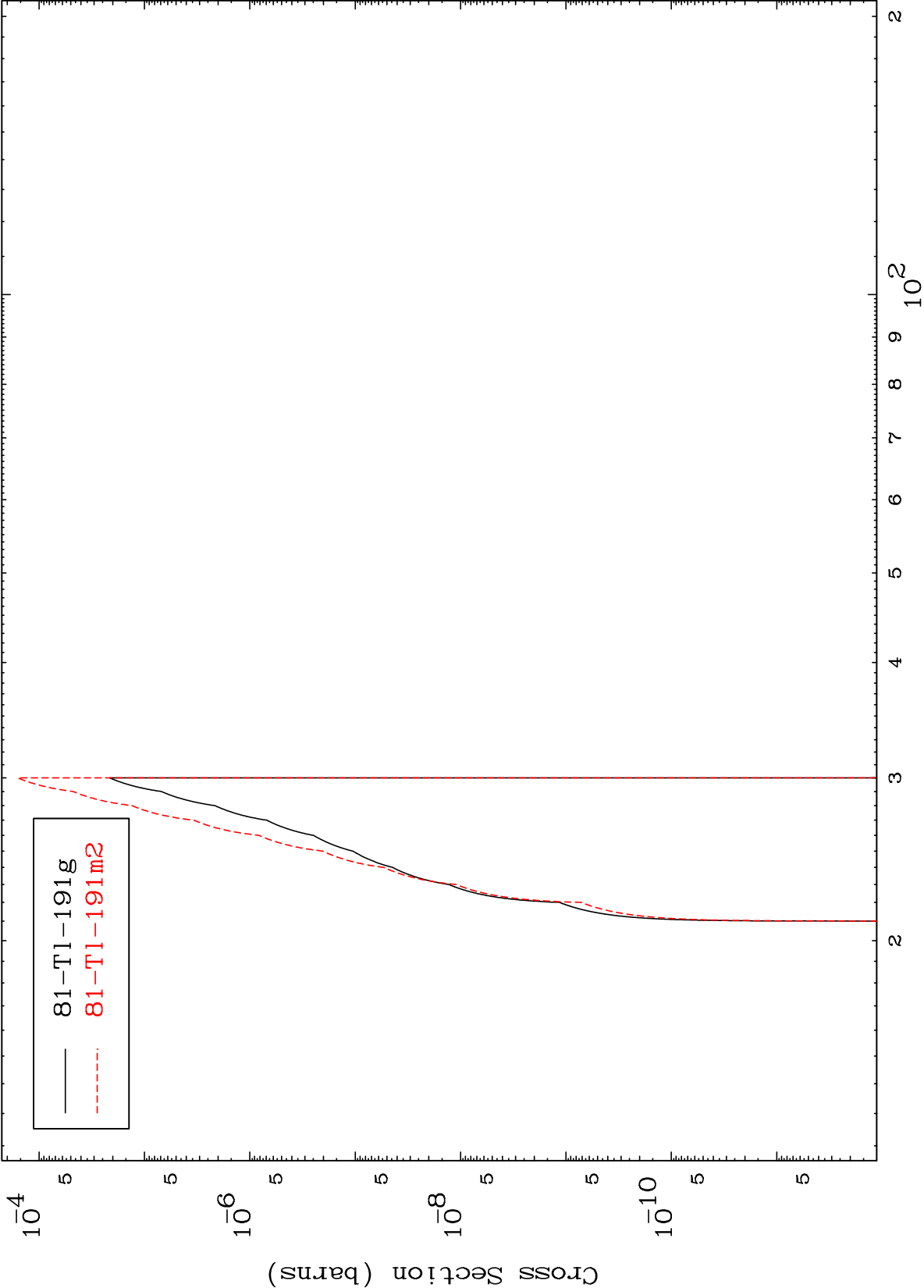


41

Incident Energy (MeV)

83-Bi-197

Radionuclide Production Cross Section

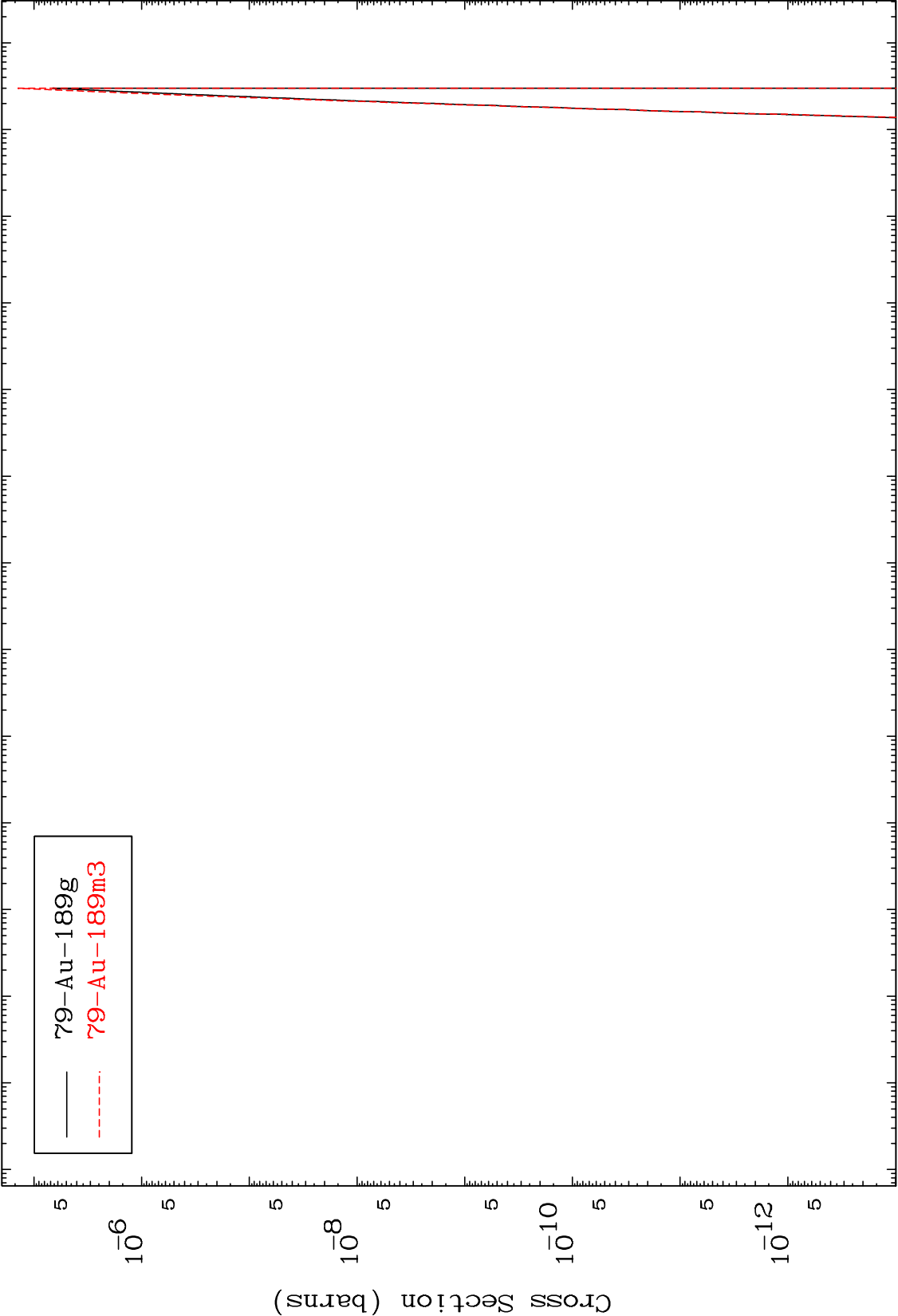
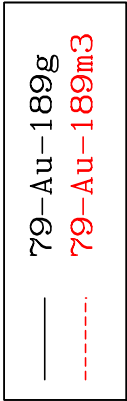


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(n,n') 2 $\alpha$

83-Bi-197

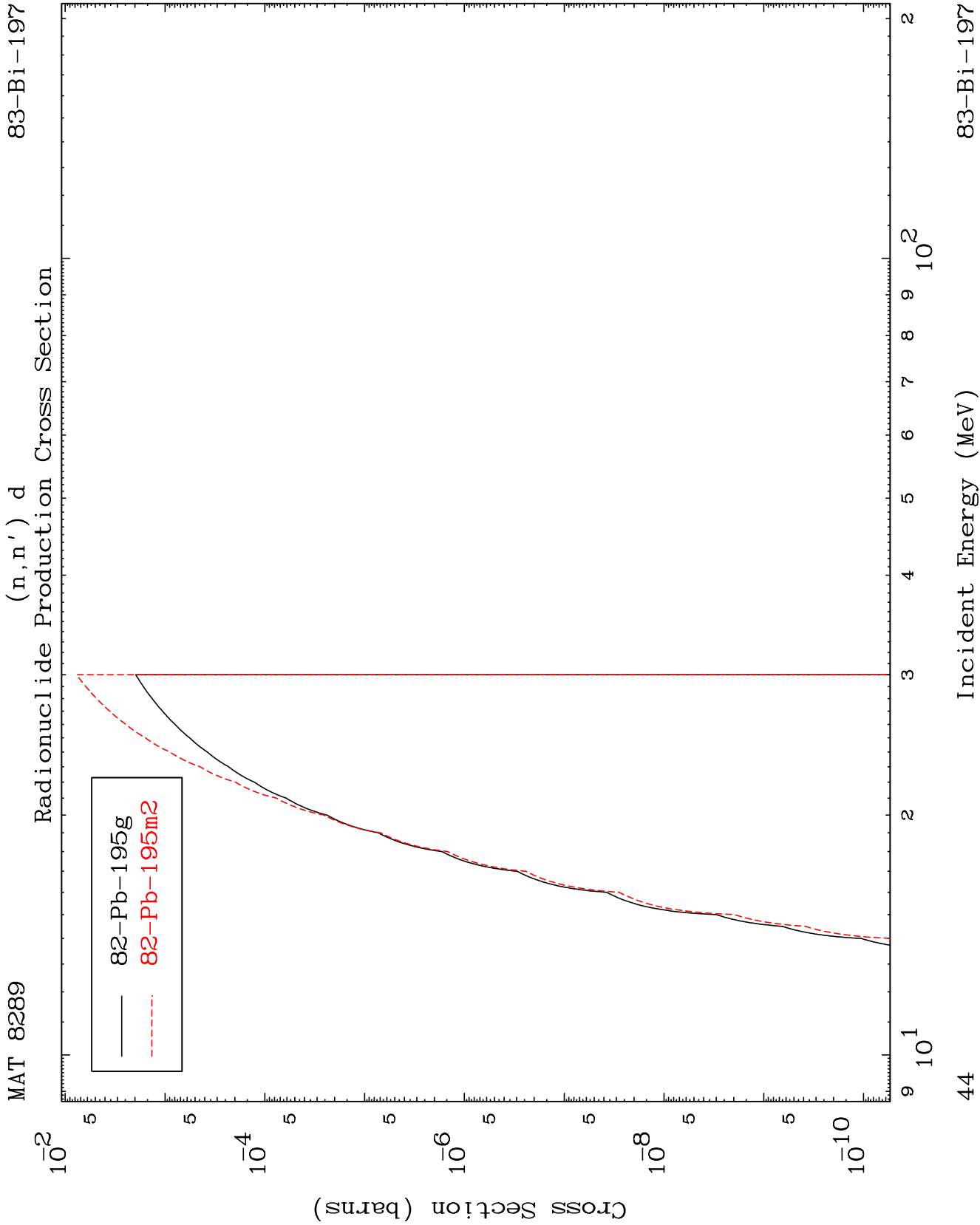
Radionuclide Production Cross Section

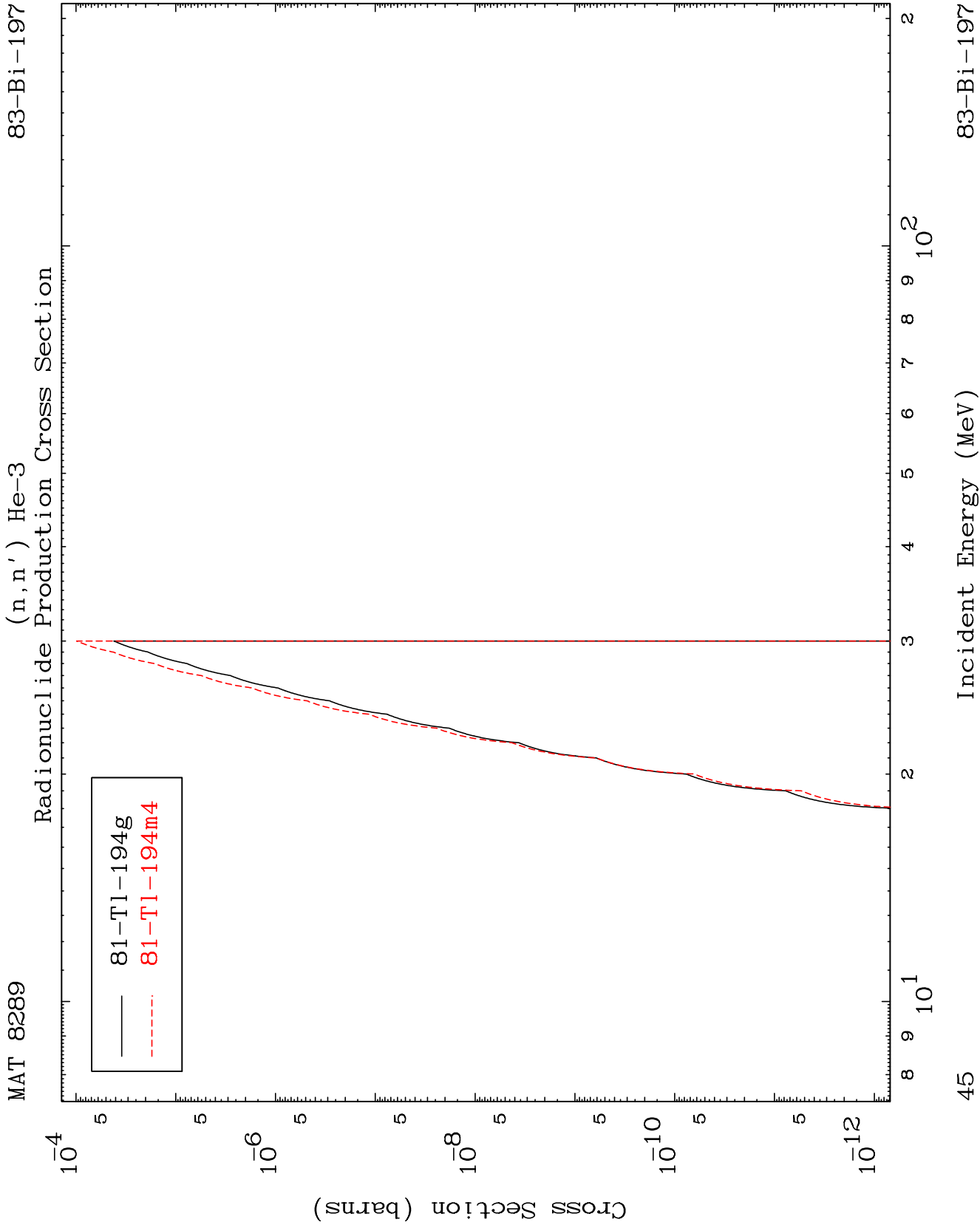


43

Incident Energy (MeV)

83-Bi-197

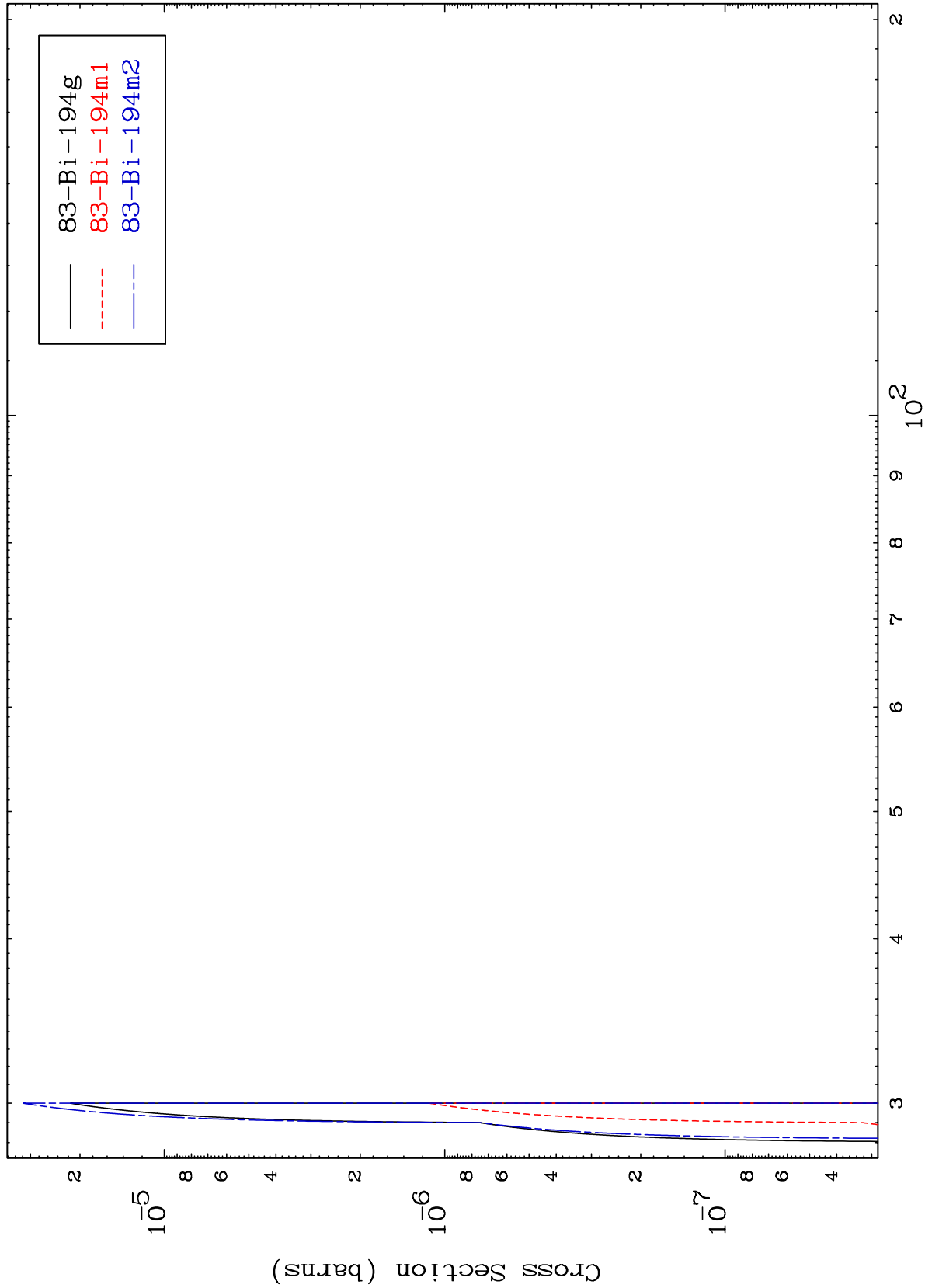




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83-Bi-197

(n,4n)  
Radionuclide Production Cross Section



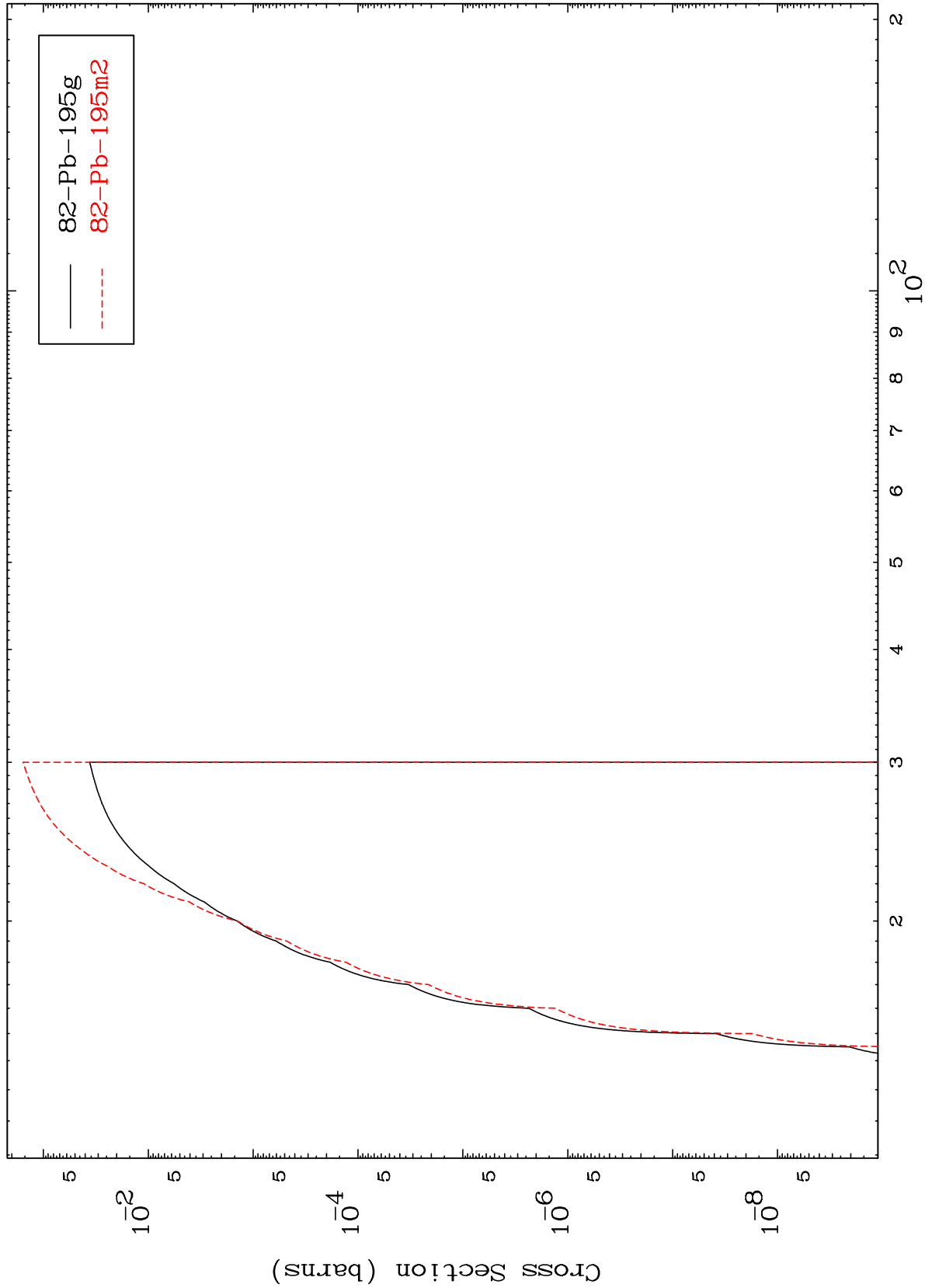
46

83-Bi-197

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83-Bi-197

(n,2n) p  
Radionuclide Production Cross Section



47

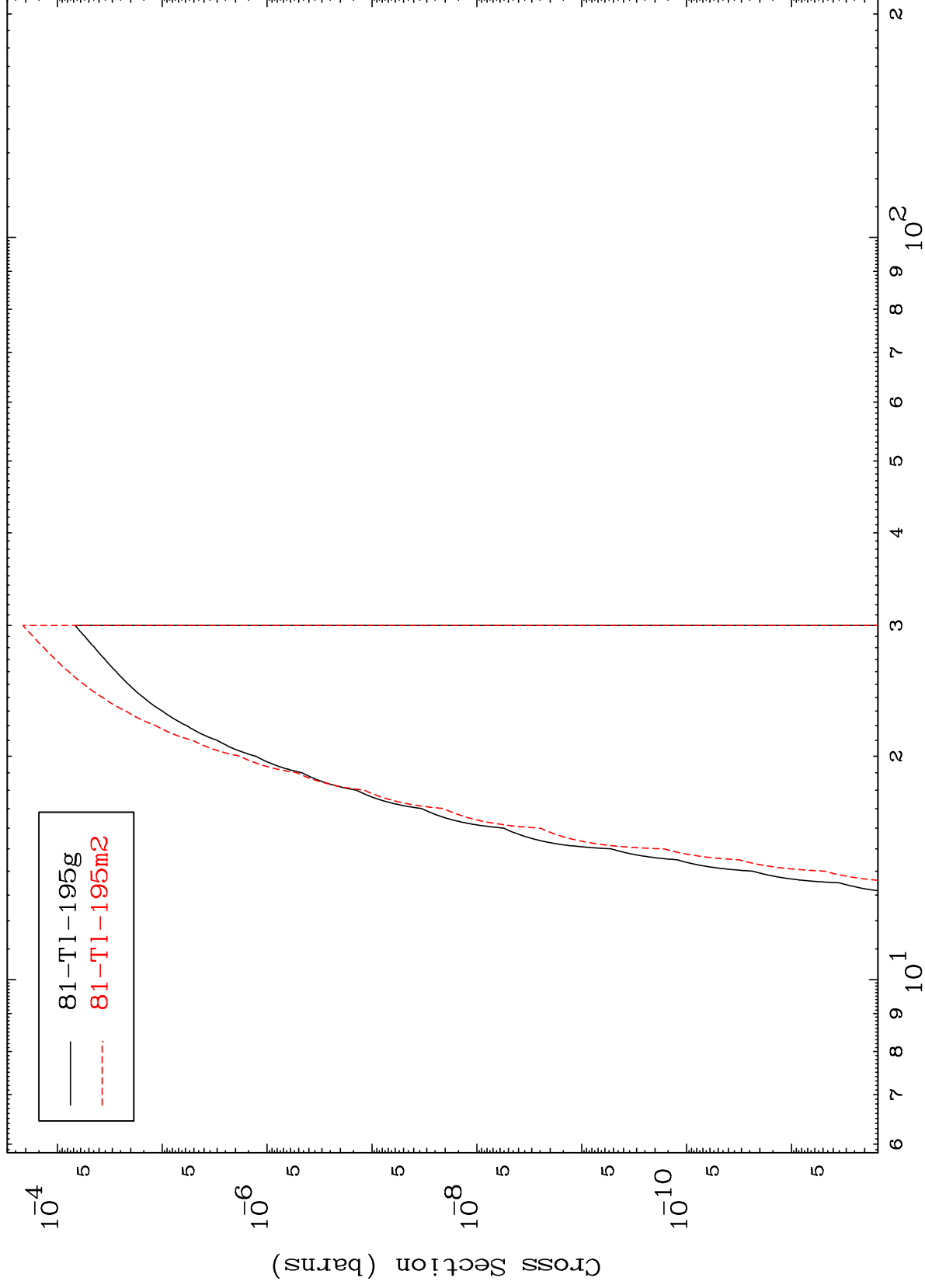
Incident Energy (MeV)

83-Bi-197

MAT 8289

83-Bi-197

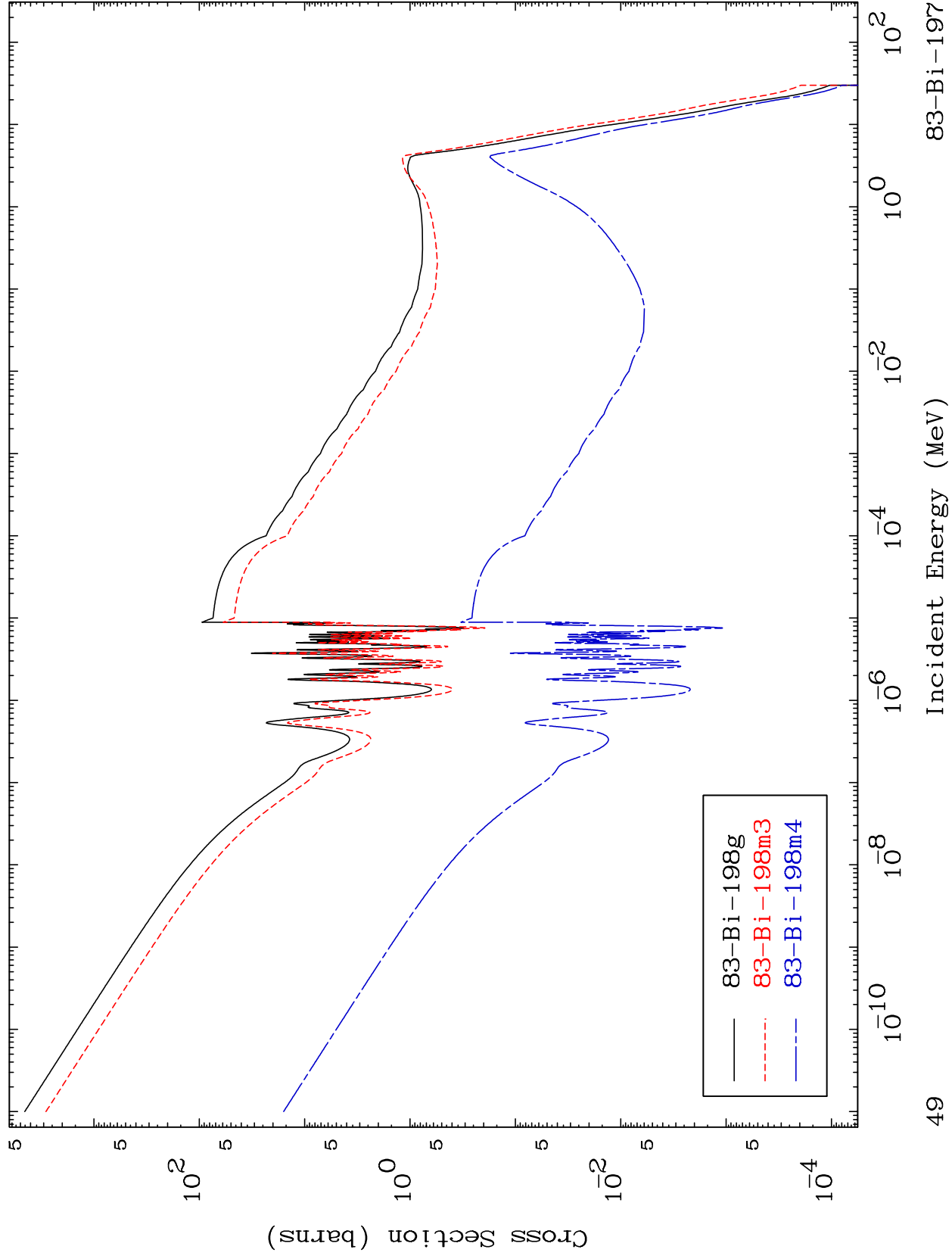
(n,2n) p  
Radionuclide Production Cross Section



83-Bi-197

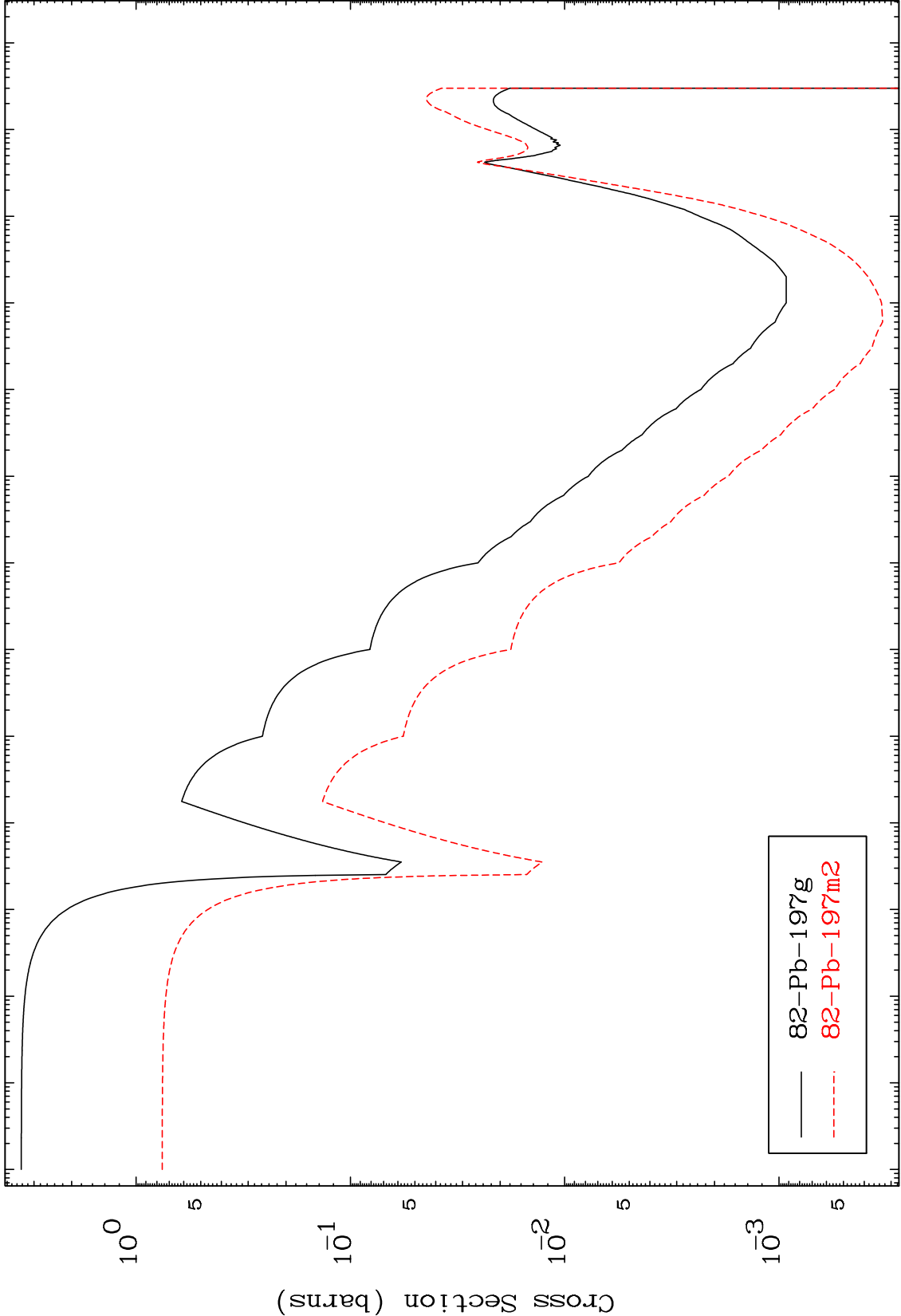
Incident Energy (MeV)

48

$(n,\gamma)$   
Radionuclide Production Cross Section

Radionuclide Production Cross Section

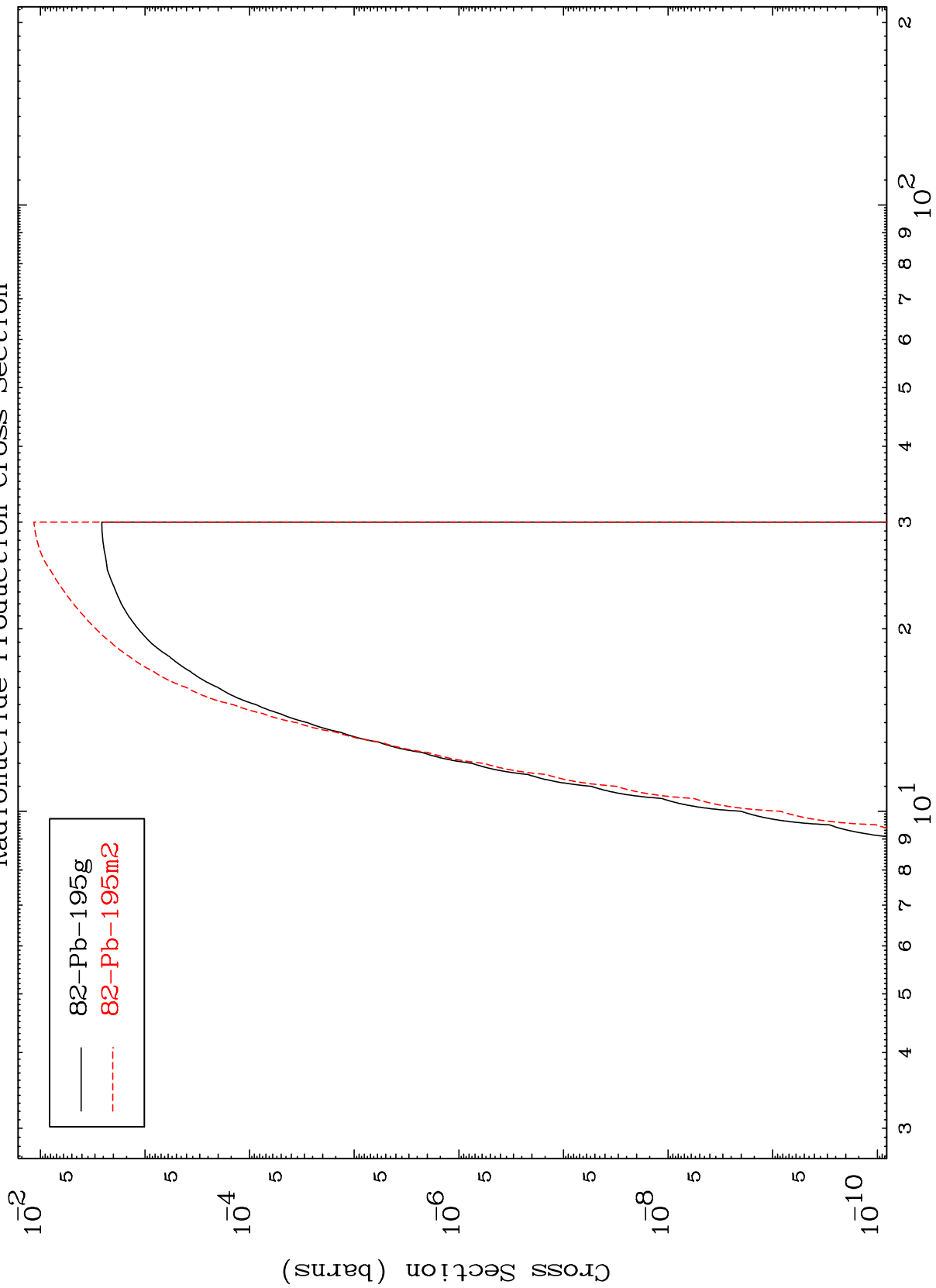
(n,p)



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83-Bi-197

(n,t)  
Radionuclide Production Cross Section

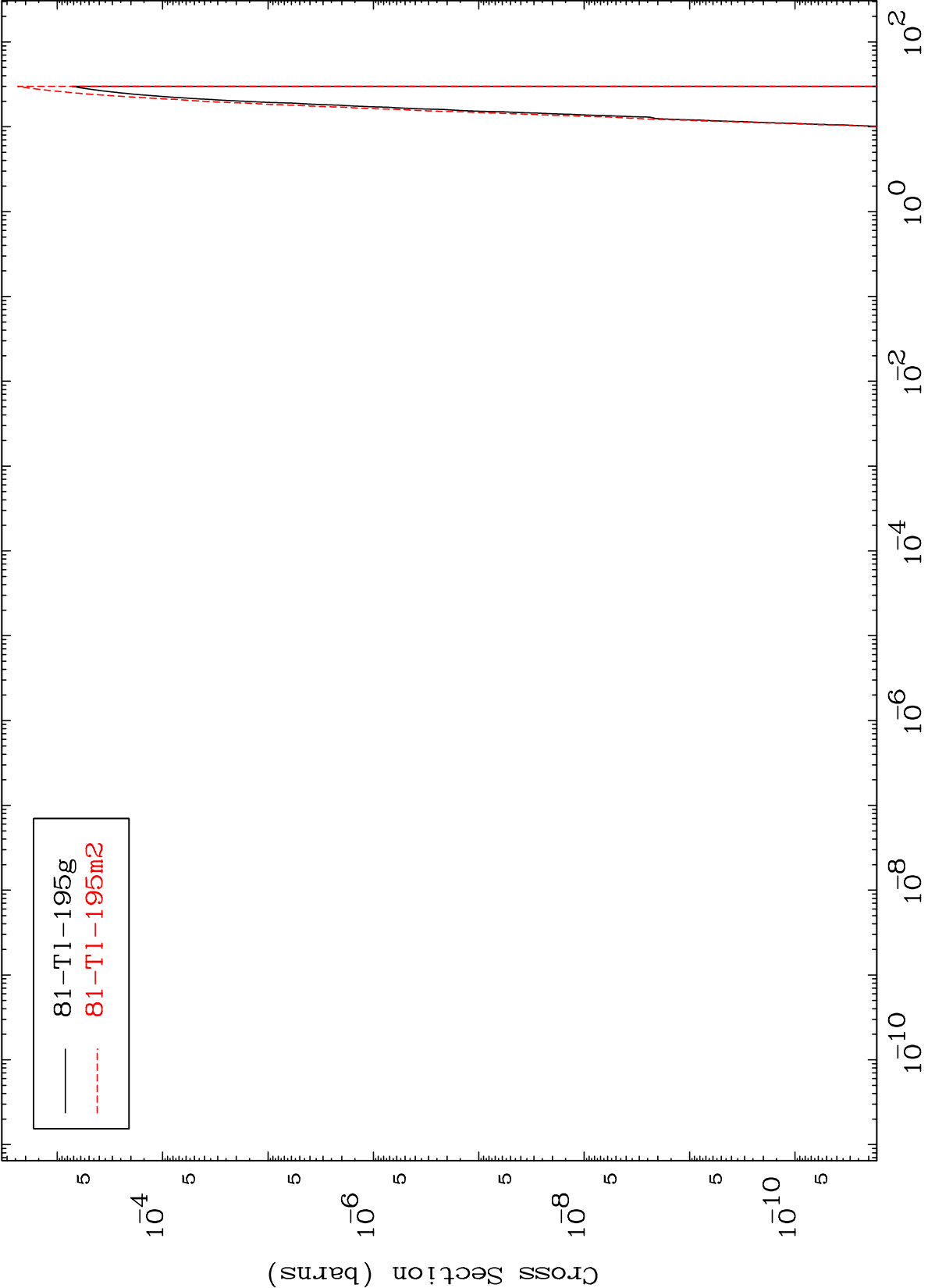


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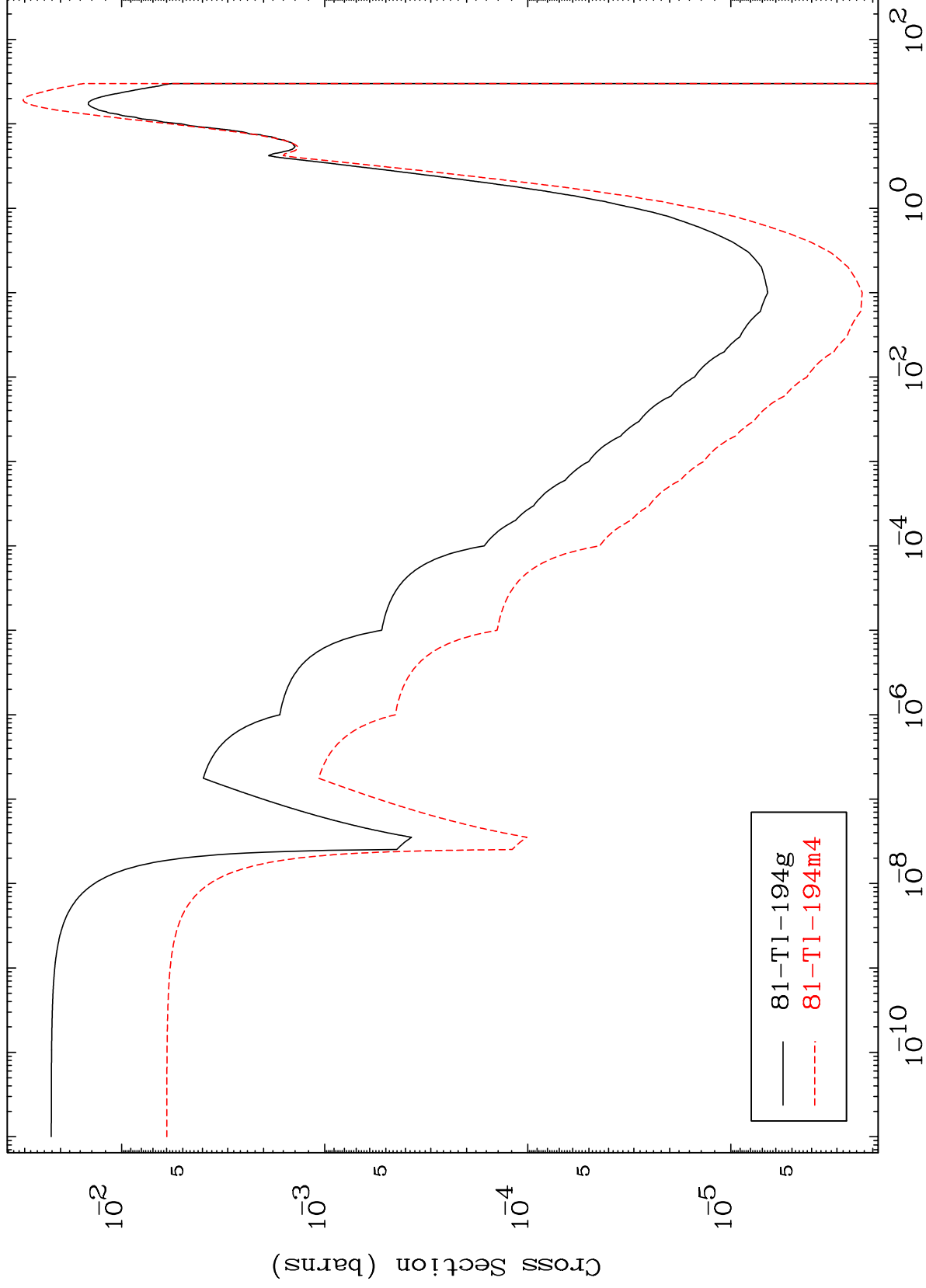
Incident Energy (MeV)

83-Bi-197

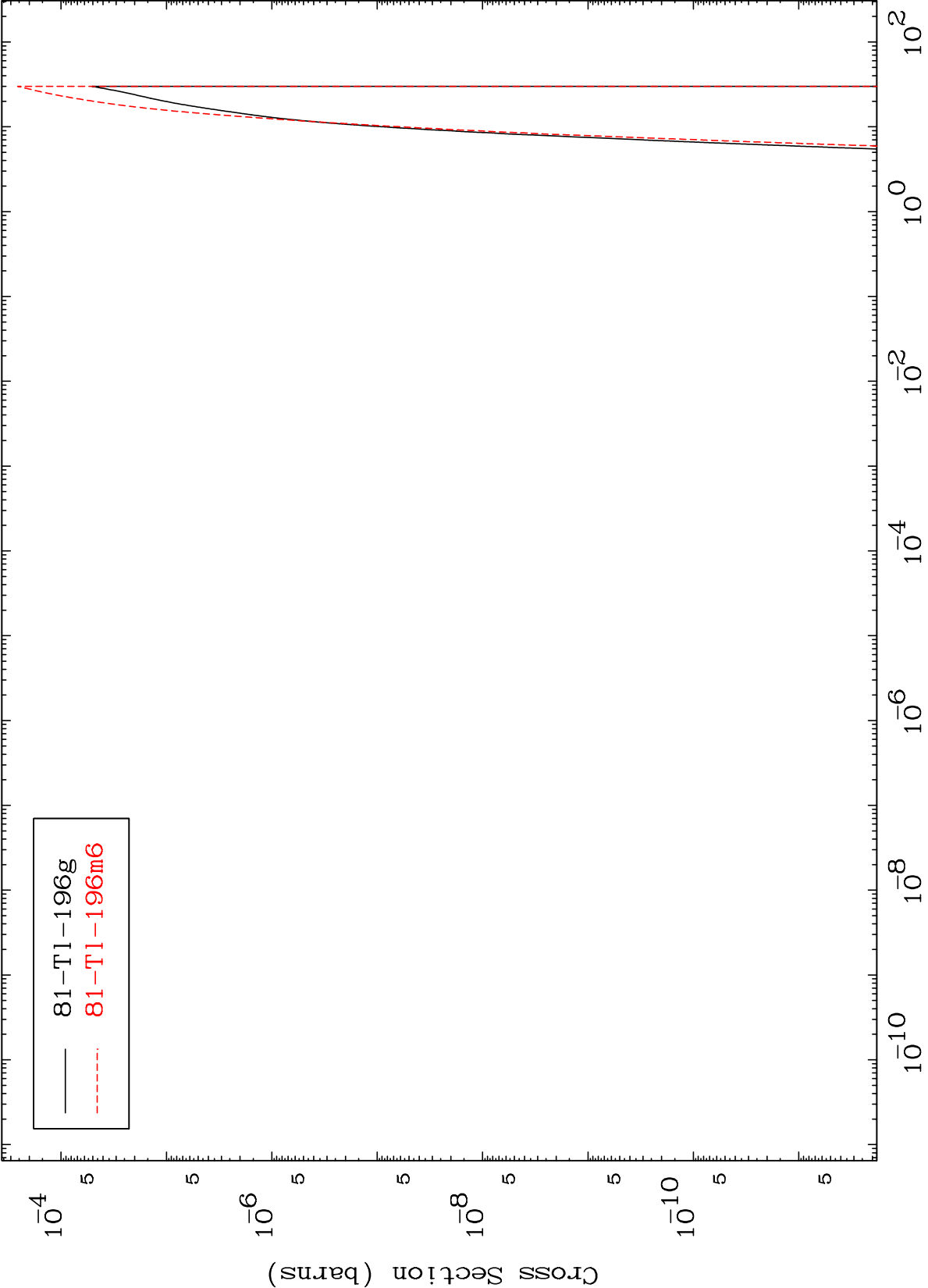
Radionuclide Production Cross Section



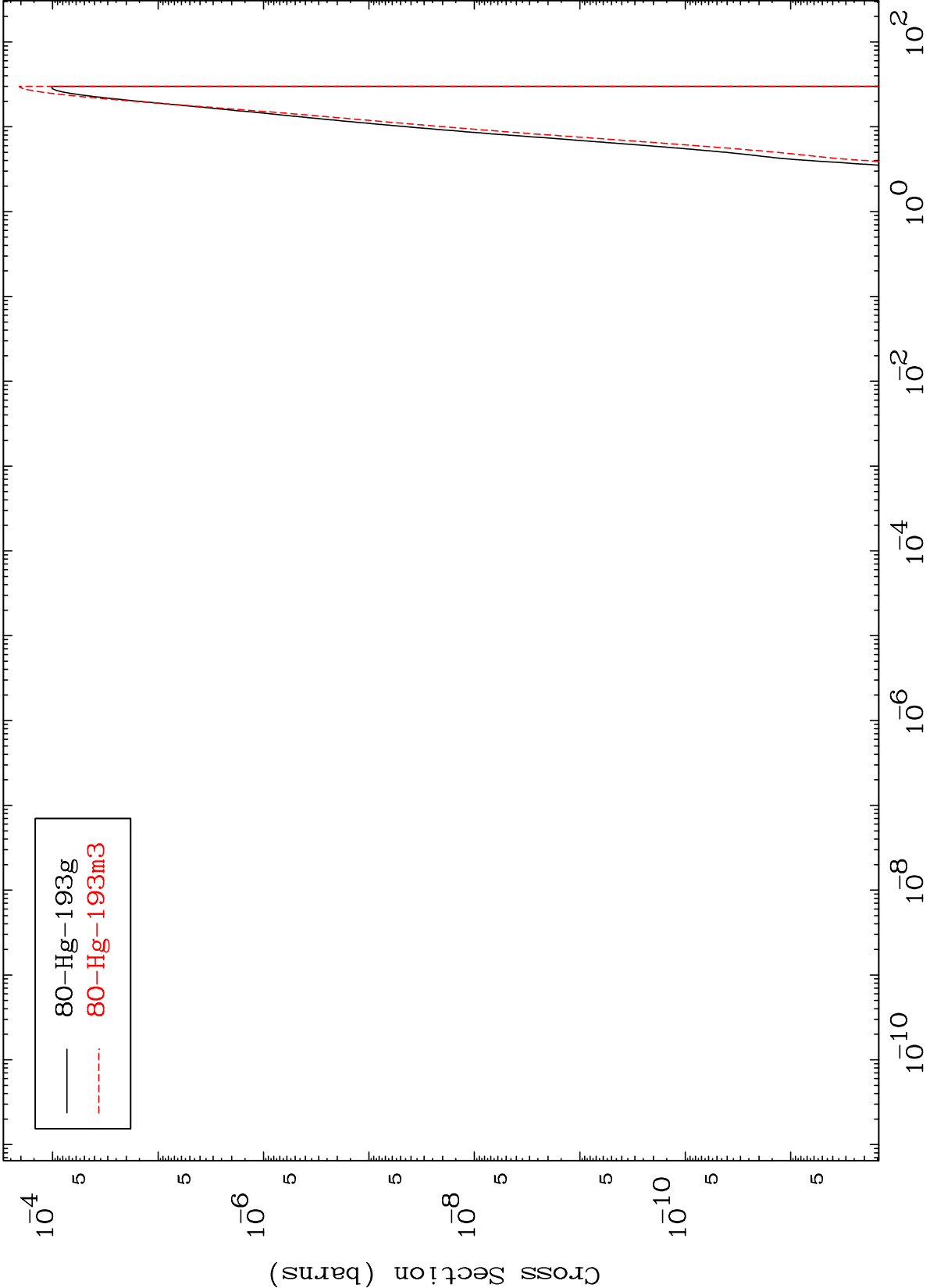
Radionuclide Production Cross Section



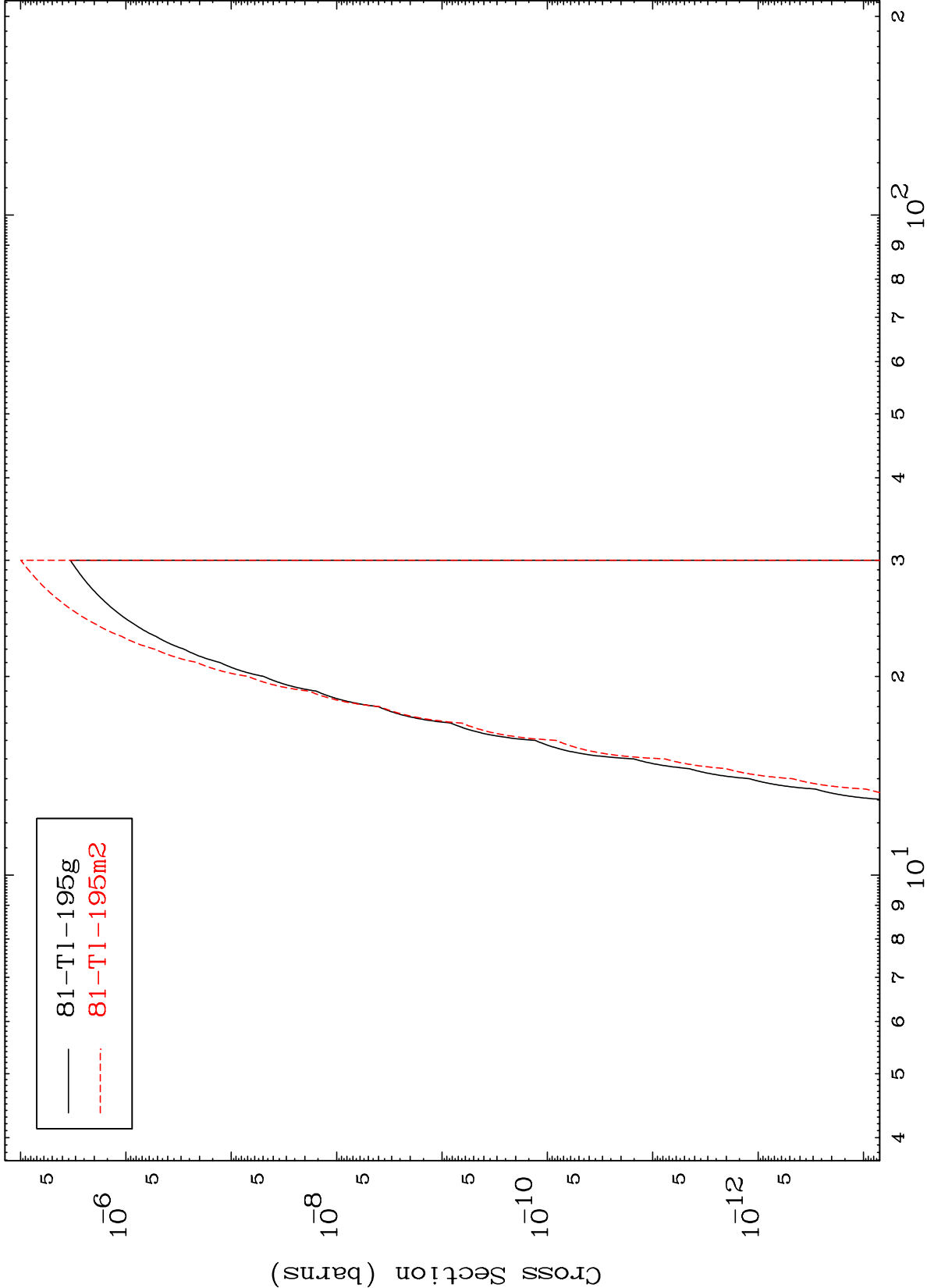
Radionuclide Production Cross Section



Radionuclide Production Cross Section



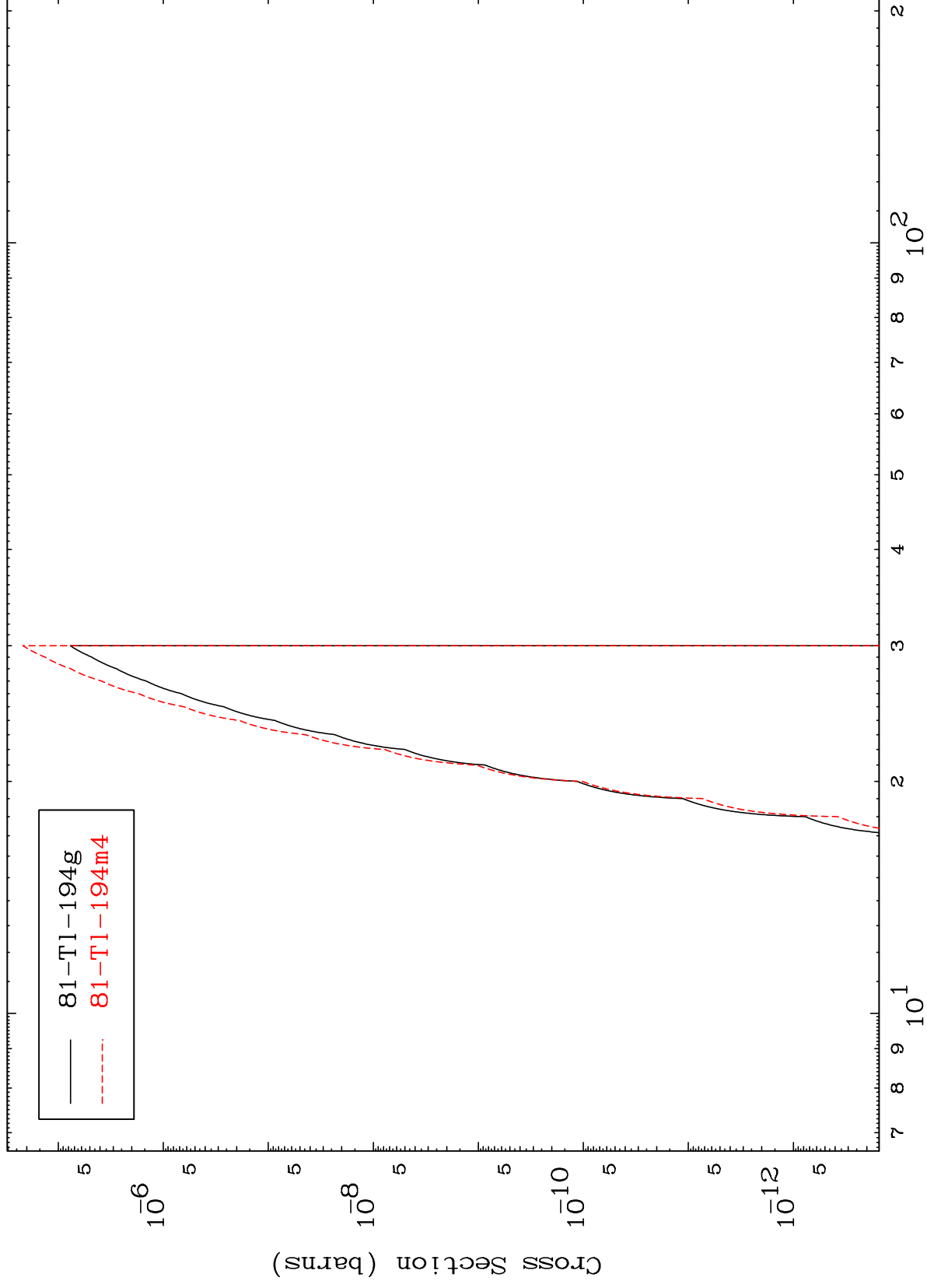
(n,p) d  
Radionuclide Production Cross Section



MAT 8289

83-Bi-197

(n,p) t  
Radionuclide Production Cross Section



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Incident Energy (MeV)

83-Bi-197