

Program EVALPLOT  
(Version 2018-1)

by

Dermott E. Cullen  
(Present Contact Information)

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

Tele: 925-443-1911

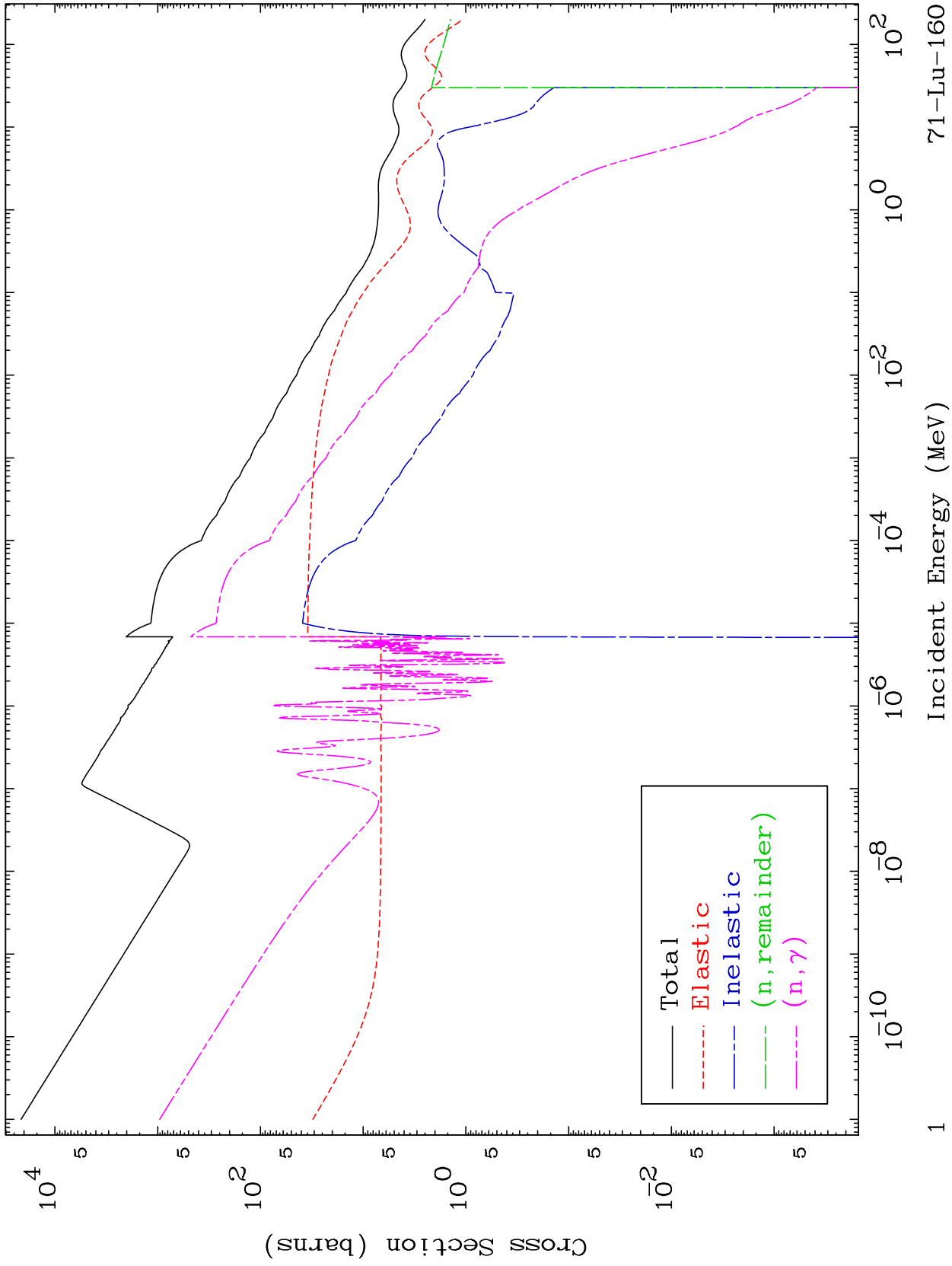
E.Mail:redcullen1@comcast.net  
Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 7081

Major  
293 Kelvin Cross Sections

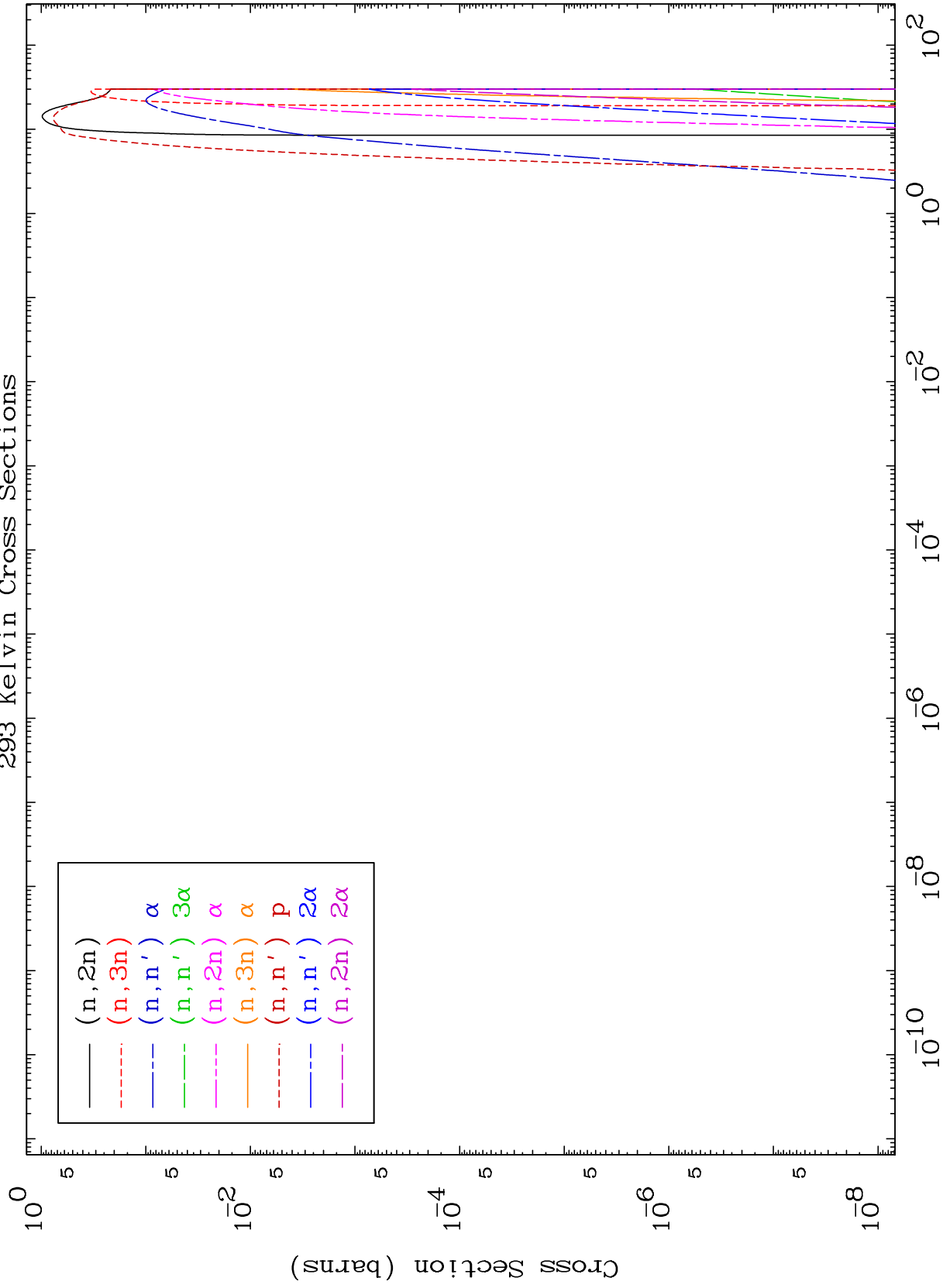
71-Lu-160



MAT 7081

Neutron Production  
293 Kelvin Cross Sections

71-Lu-160



2

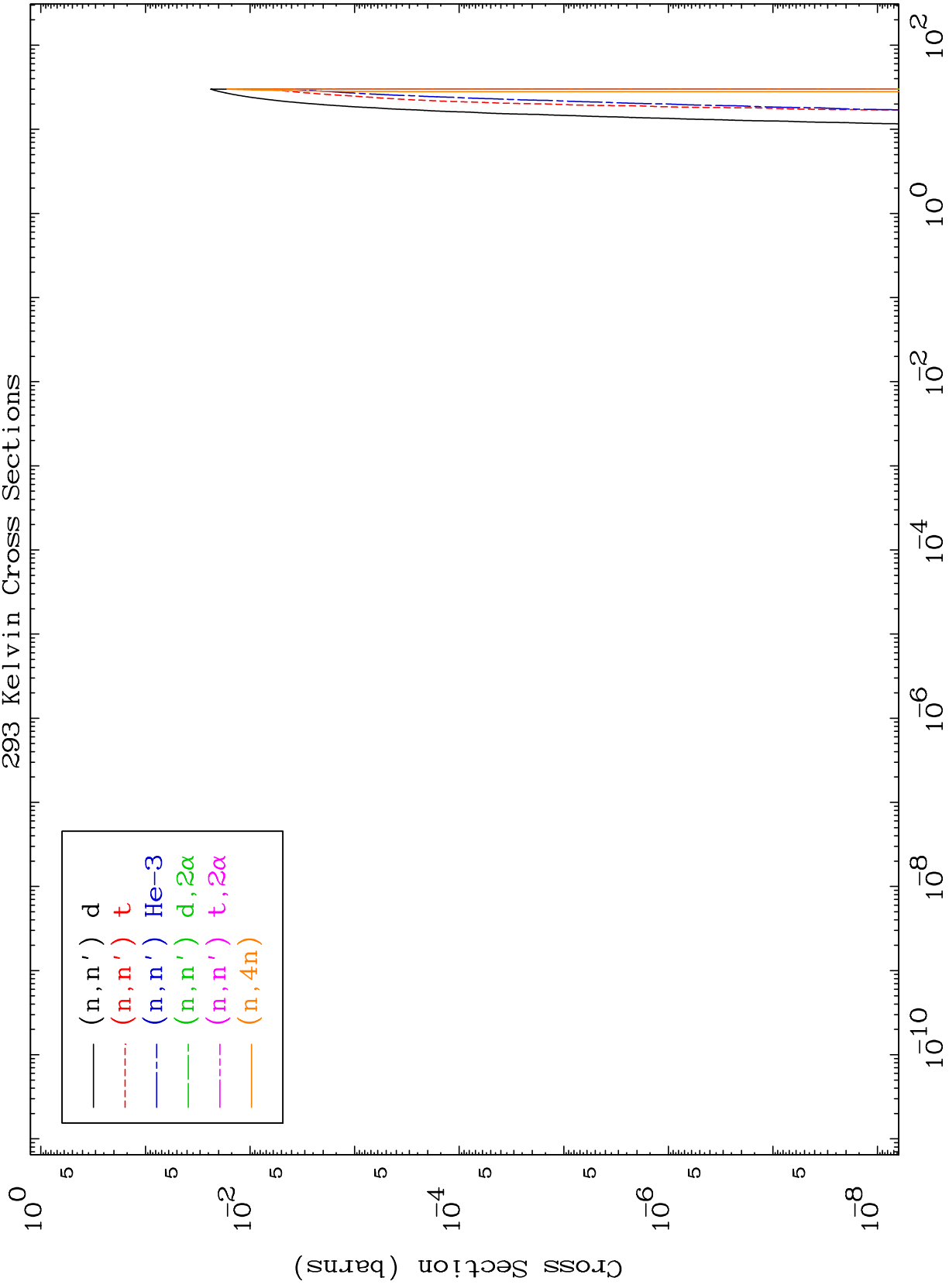
Incident Energy (MeV)

71-Lu-160

MAT 7081

Neutron Production  
293 Kelvin Cross Sections

71-Lu-160



3

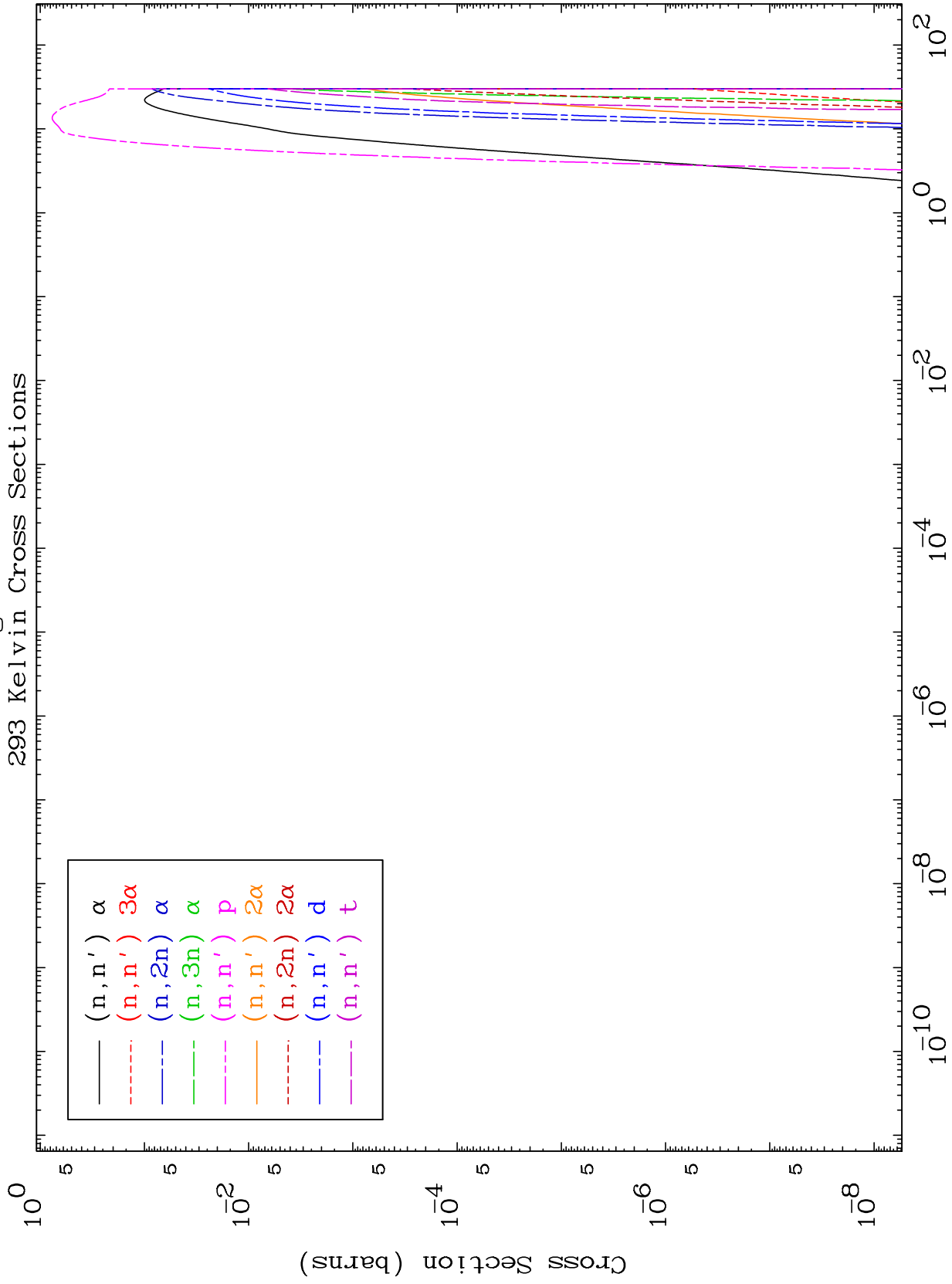
Incident Energy (MeV)

71-Lu-160

MAT 7081

293 Kelvin Cross Sections

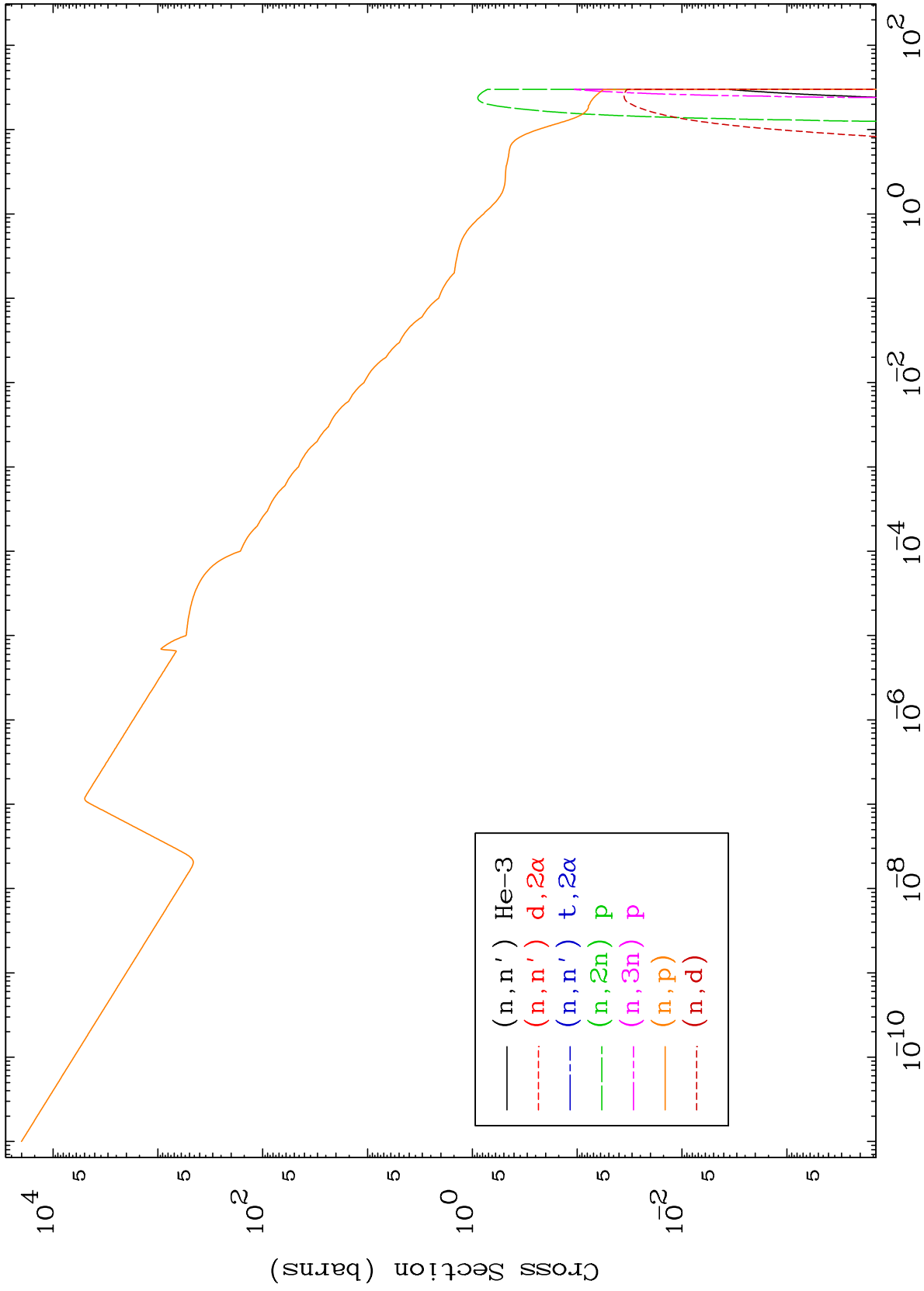
71-Lu-160

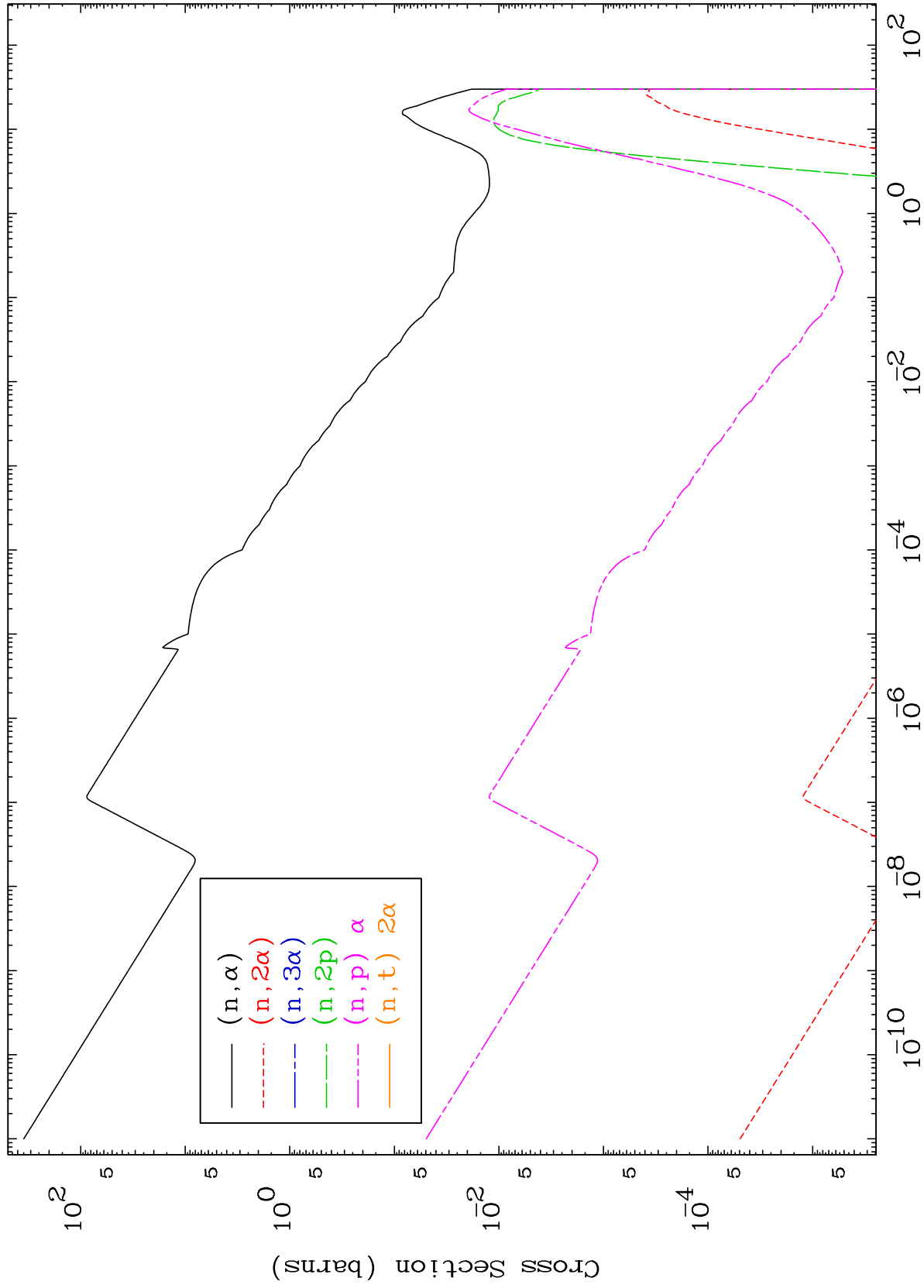


MAT 7081

Charged Particle  
293 Kelvin Cross Sections

71-Lu-160

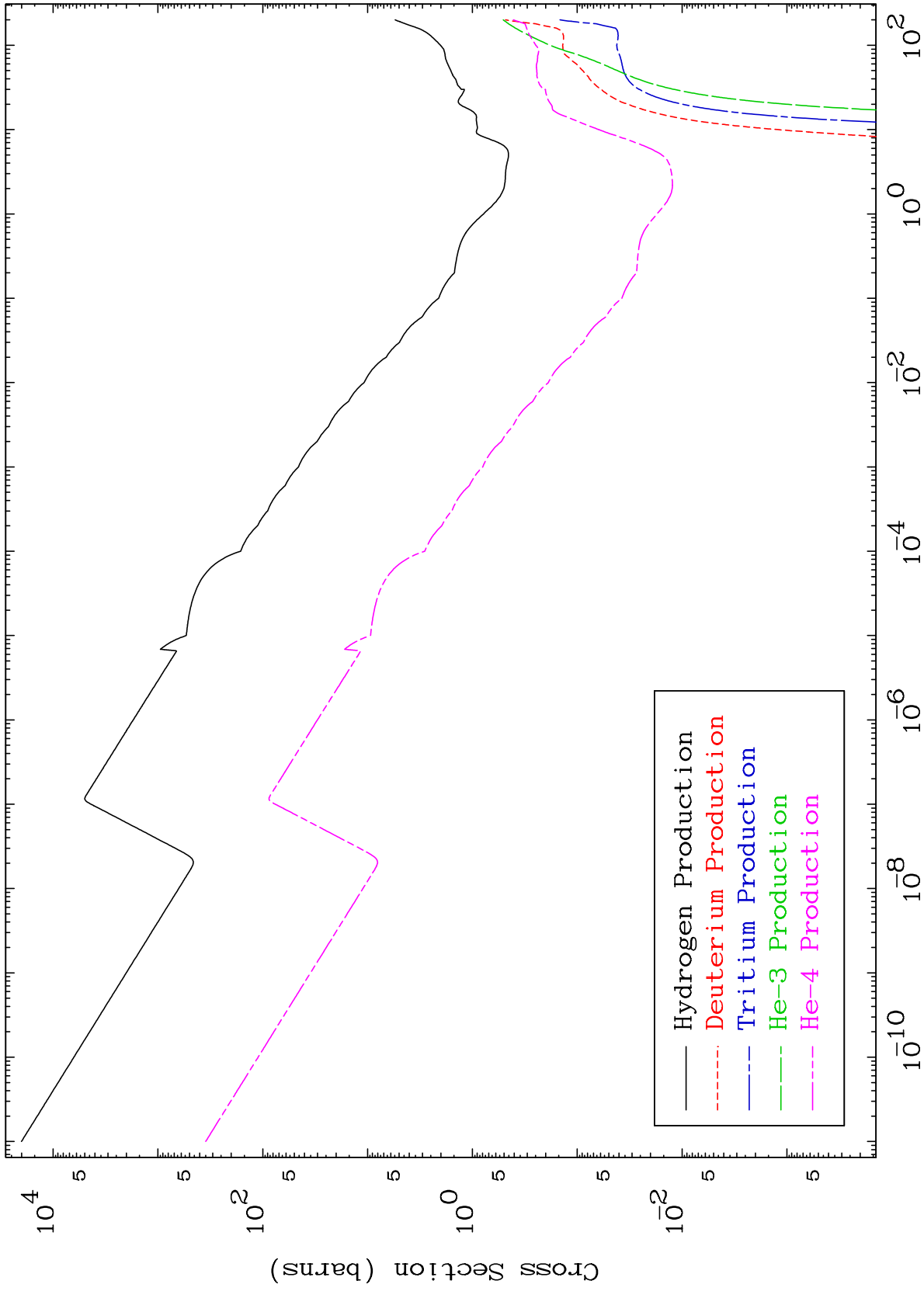




MAT 7081

Particle Production  
293 Kelvin Cross Sections

71-Lu-160

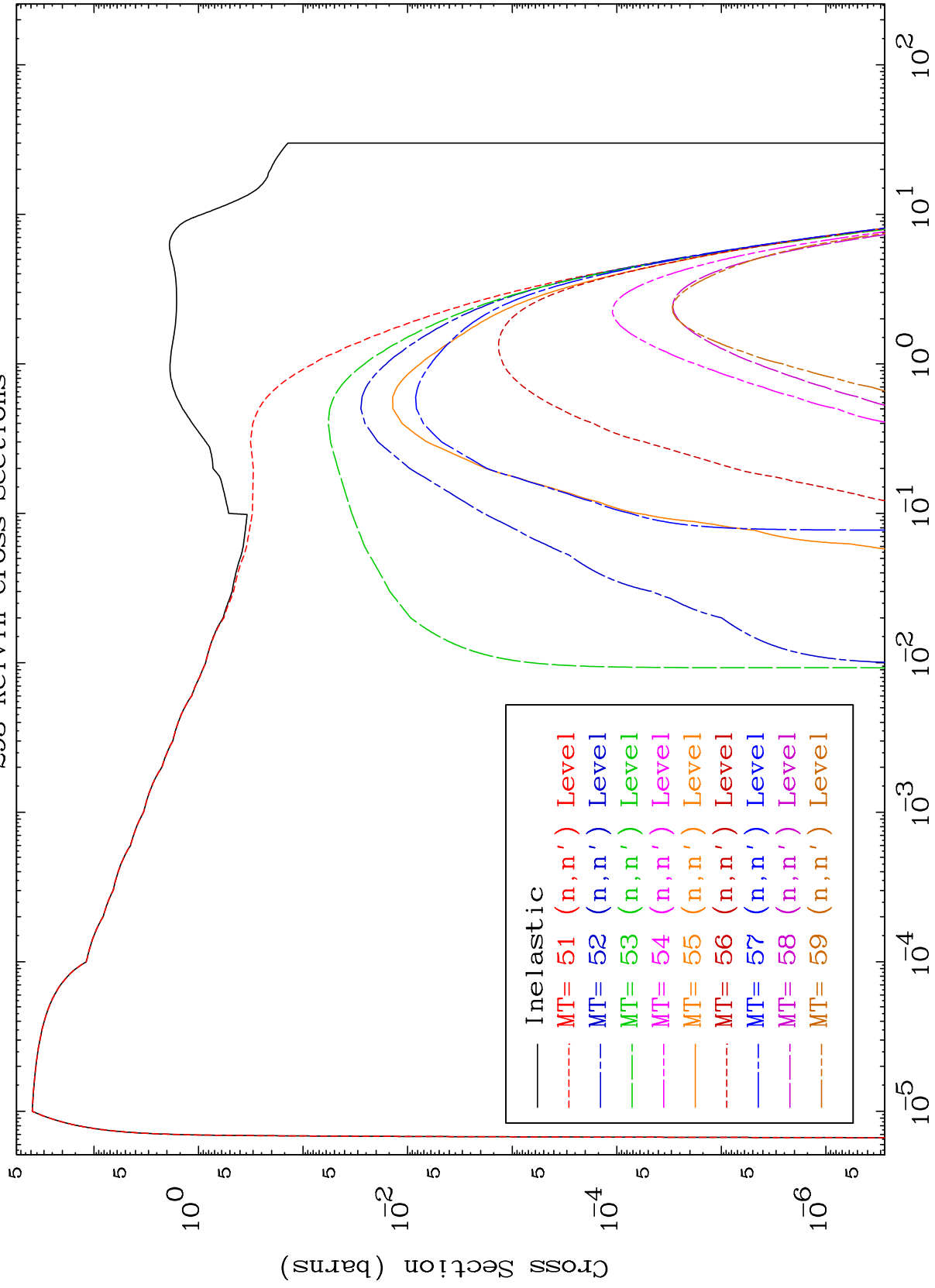




MAT 7081

(n,n') Level  
293 Kelvin Cross Sections

71-Lu-160

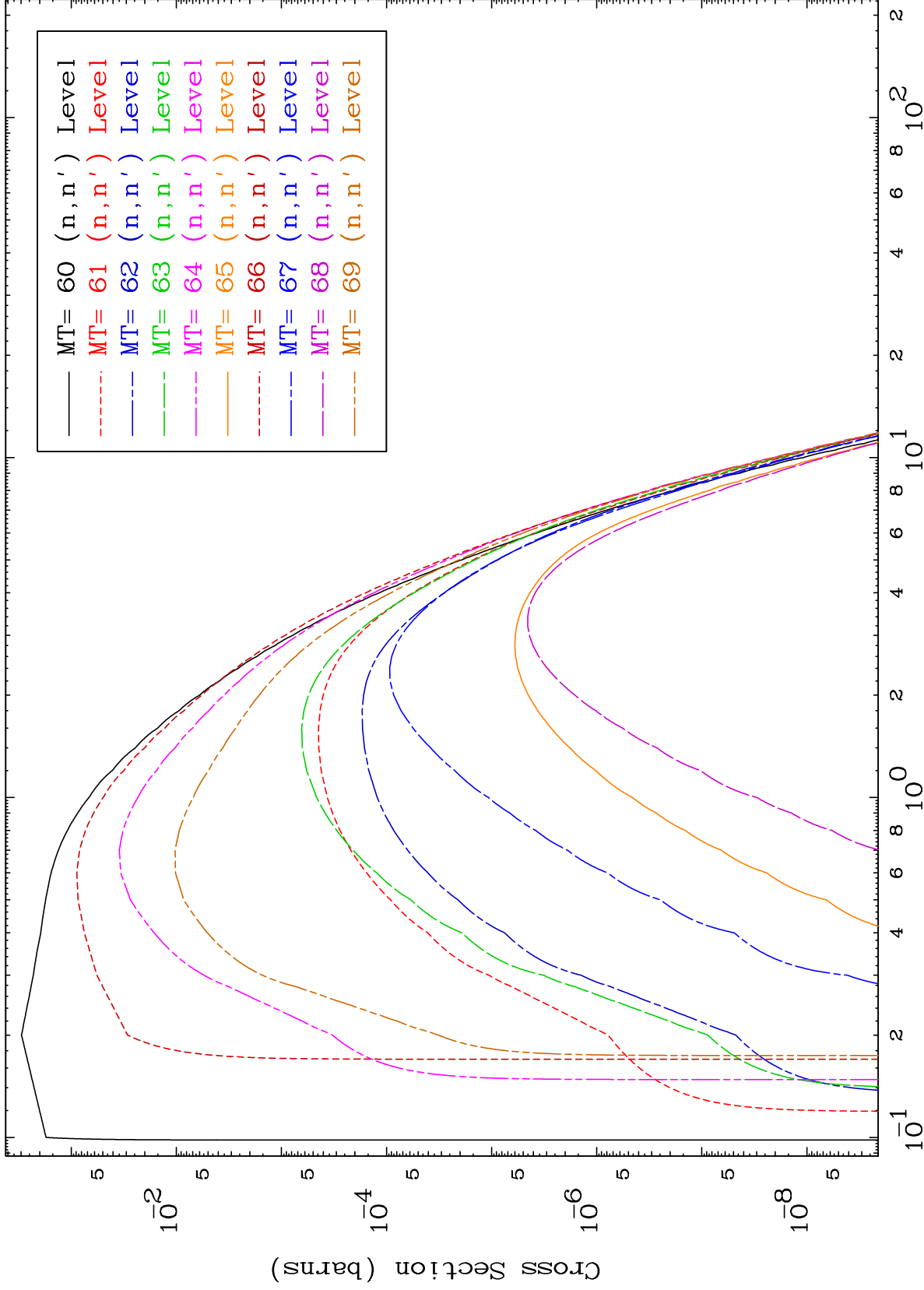


MAT 7081

(n,n') Level

71-Lu-160

293 Kelvin Cross Sections



Incident Energy (MeV)

71-Lu-160

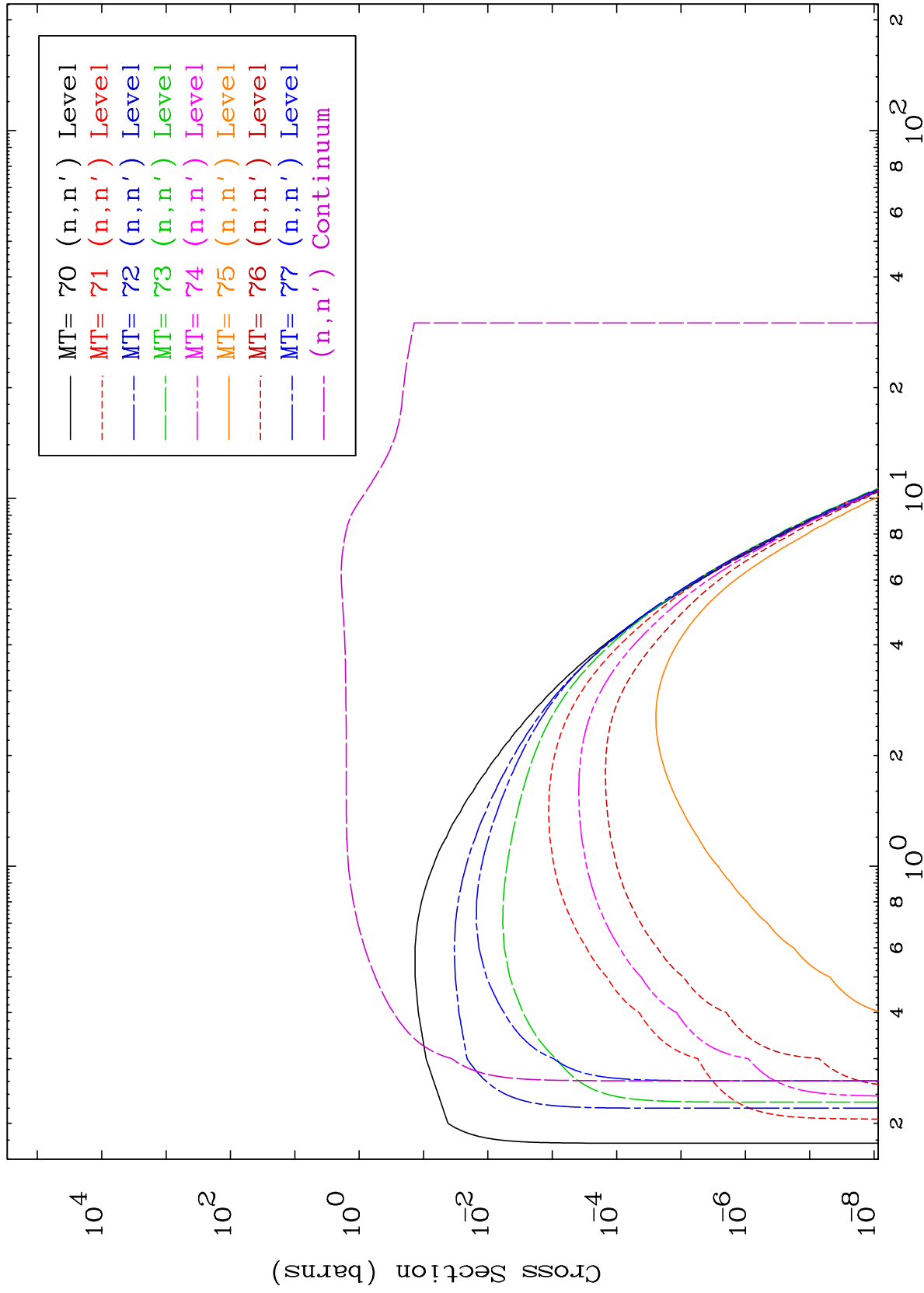
9

MAT 7081

(n,n') Level

293 Kelvin Cross Sections

71-Lu-160



10

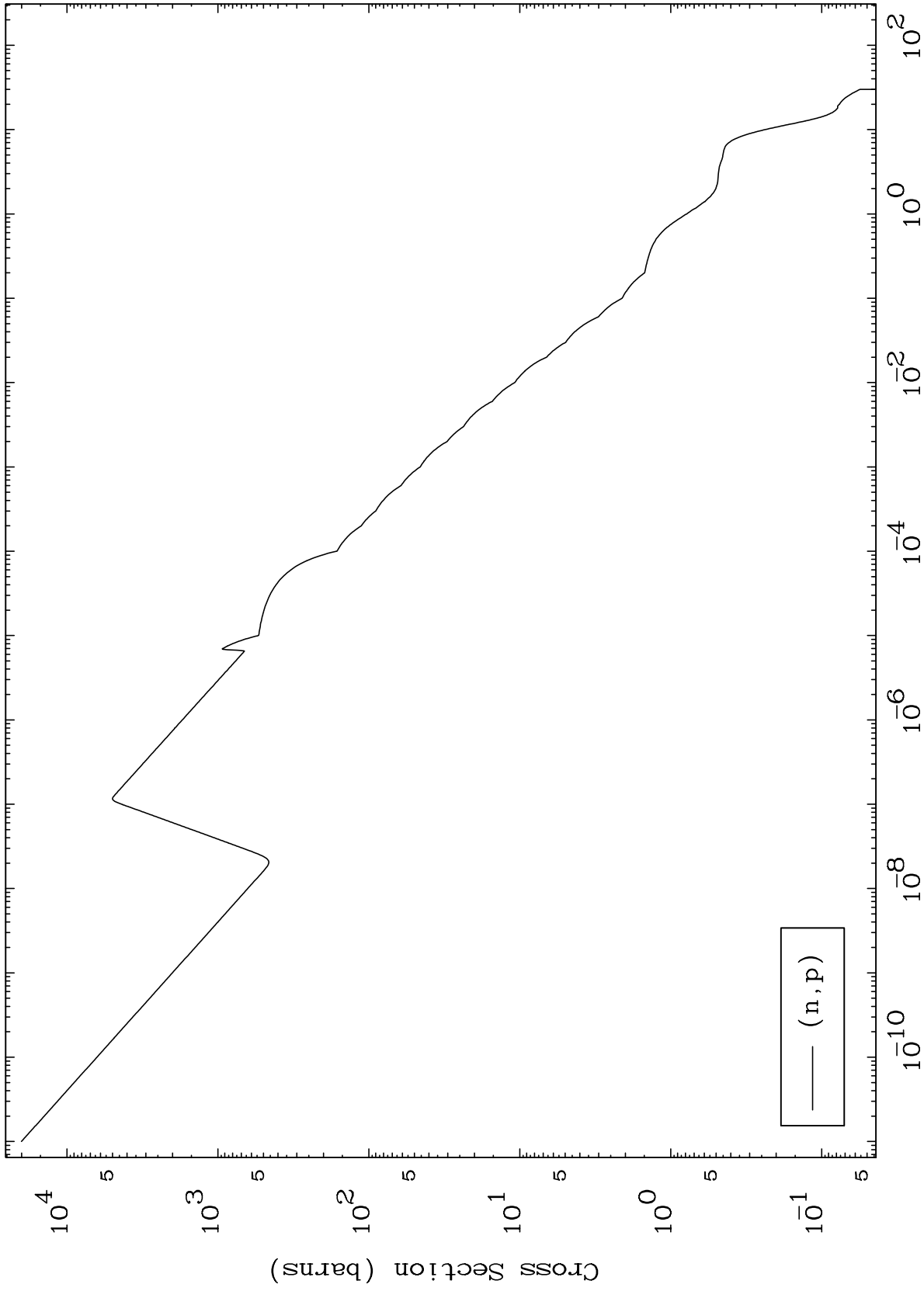
Incident Energy (MeV)

71-Lu-160

MAT 7081

(n,p) Levels  
293 Kelvin Cross Sections

71-Lu-160



11

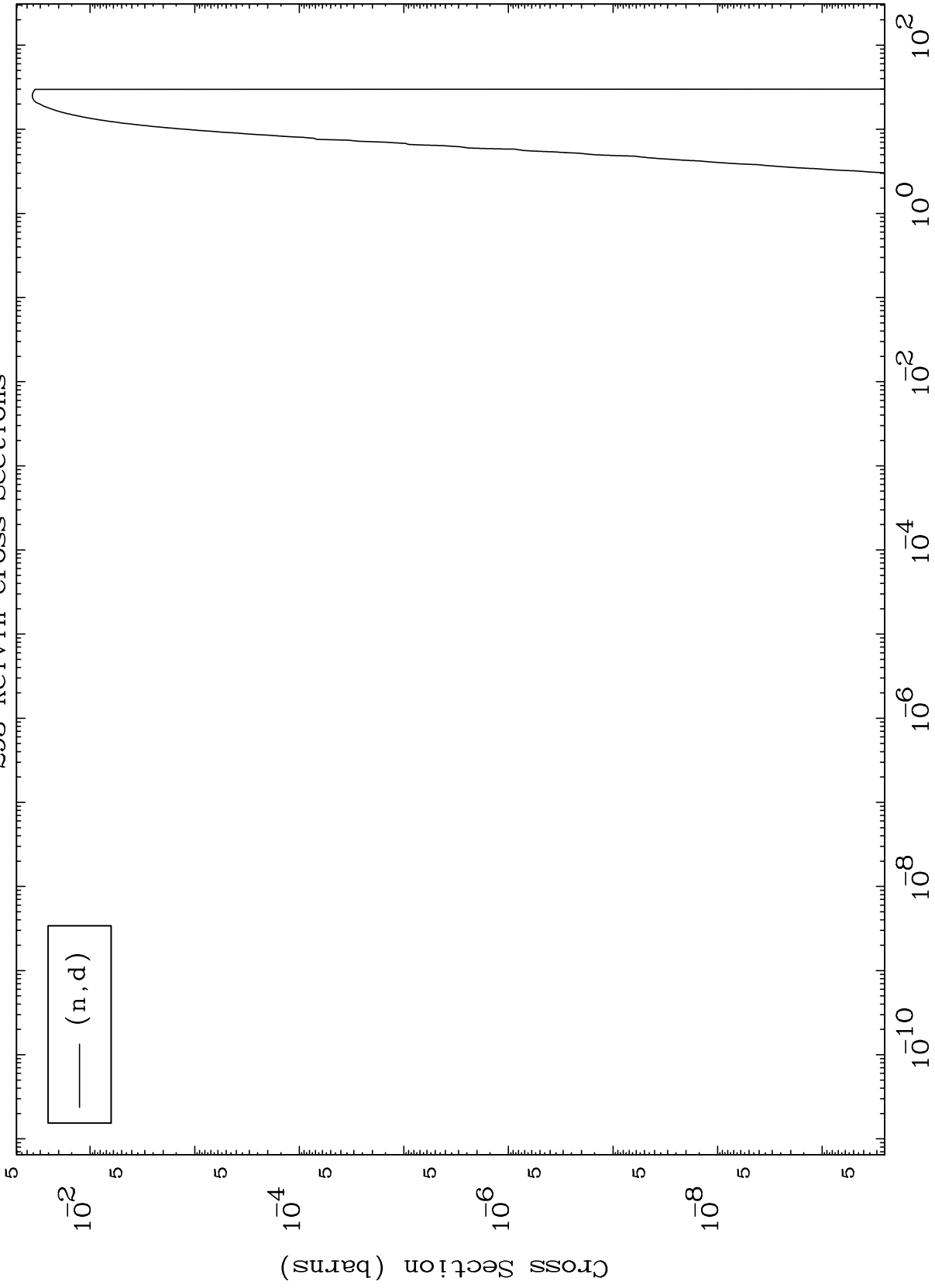
Incident Energy (MeV)

71-Lu-160

MAT 7081

(n,d) Levels  
293 Kelvin Cross Sections

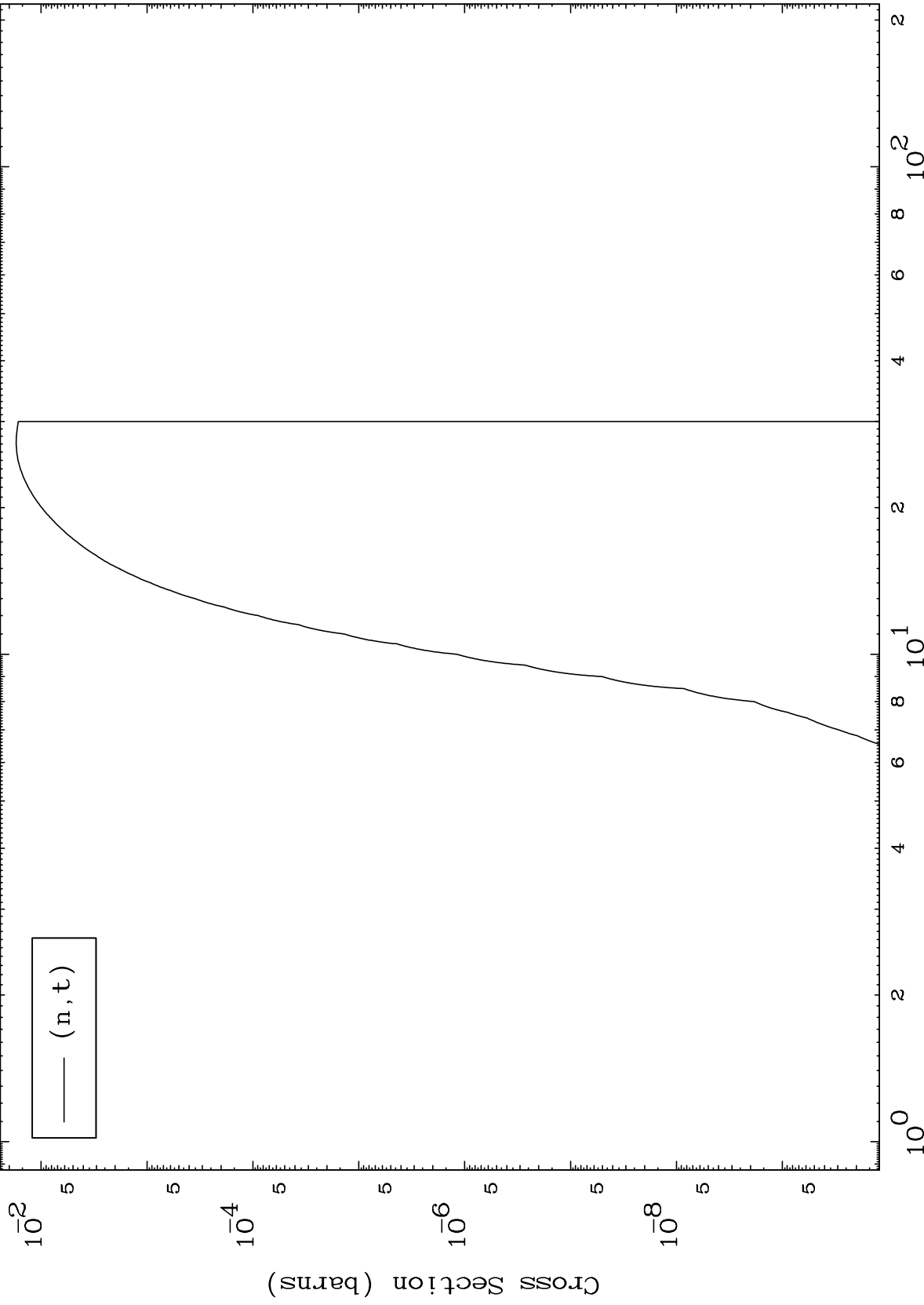
71-Lu-160



MAT 7081

(n,t) Levels  
293 Kelvin Cross Sections

71-Lu-160



13

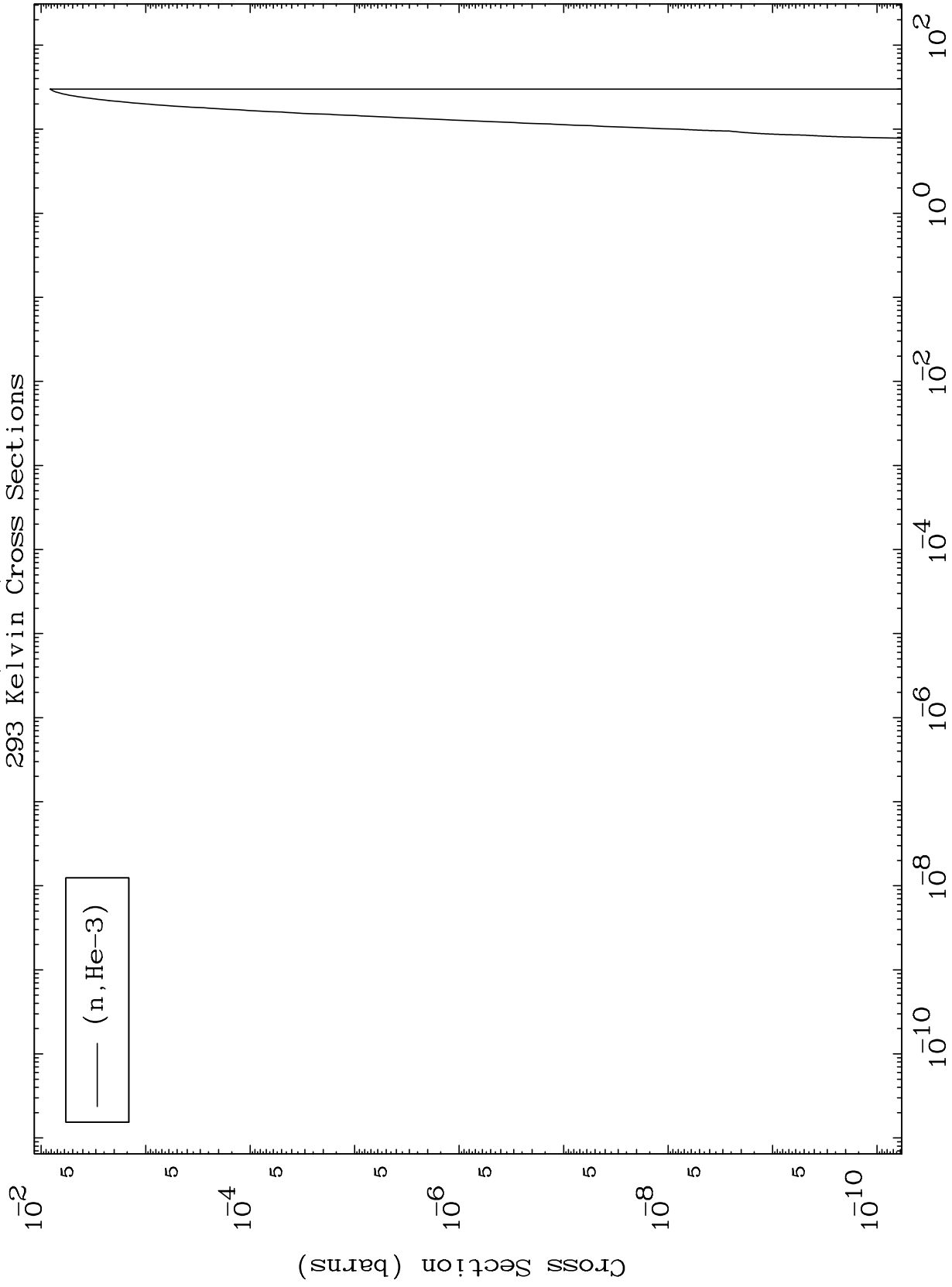
Incident Energy (MeV)

71-Lu-160

MAT 7081

(n,He3) Levels  
293 Kelvin Cross Sections

71-Lu-160

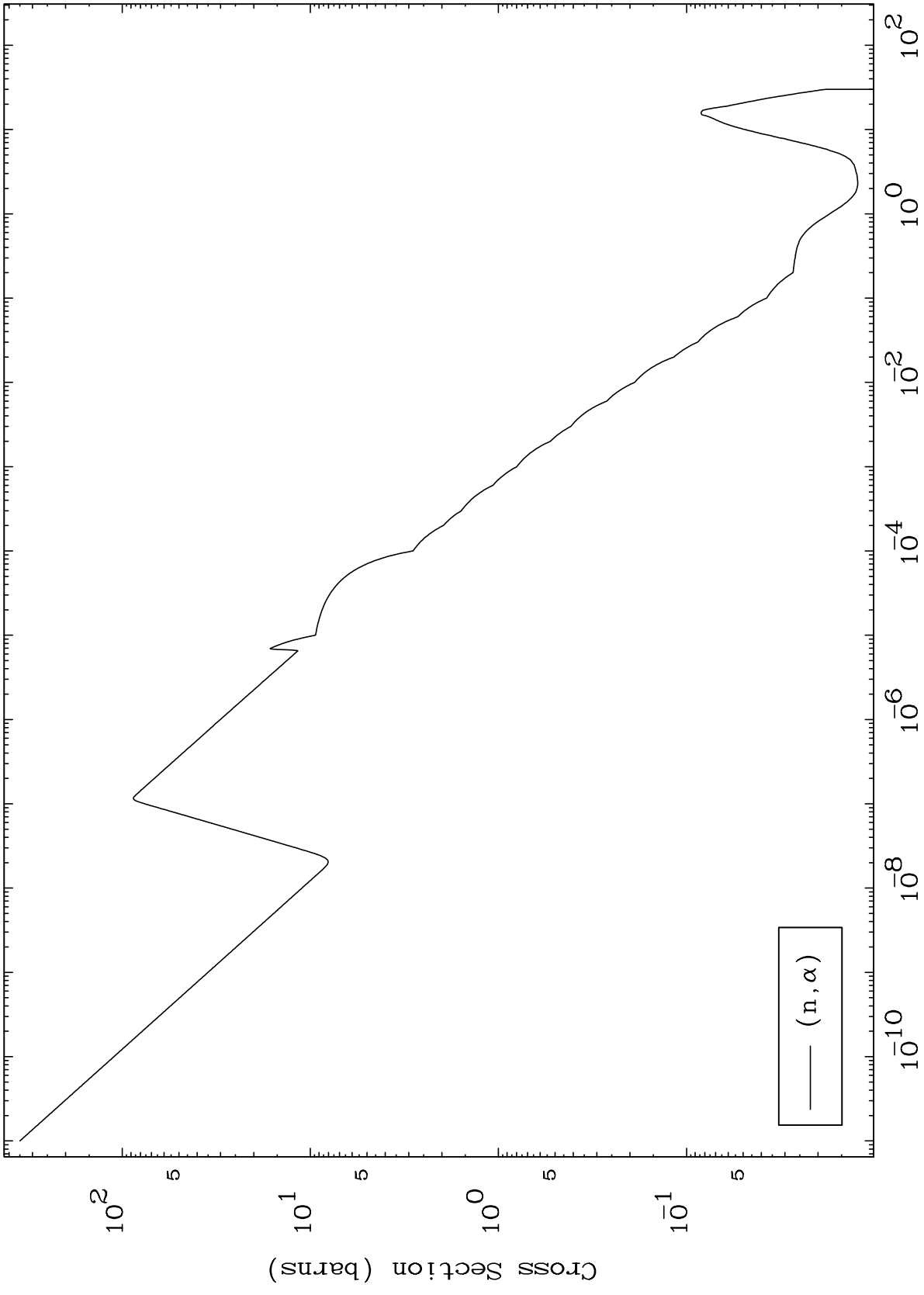


(n, He-3)

MAT 7081

(n,α) Levels  
293 Kelvin Cross Sections

71-Lu-160

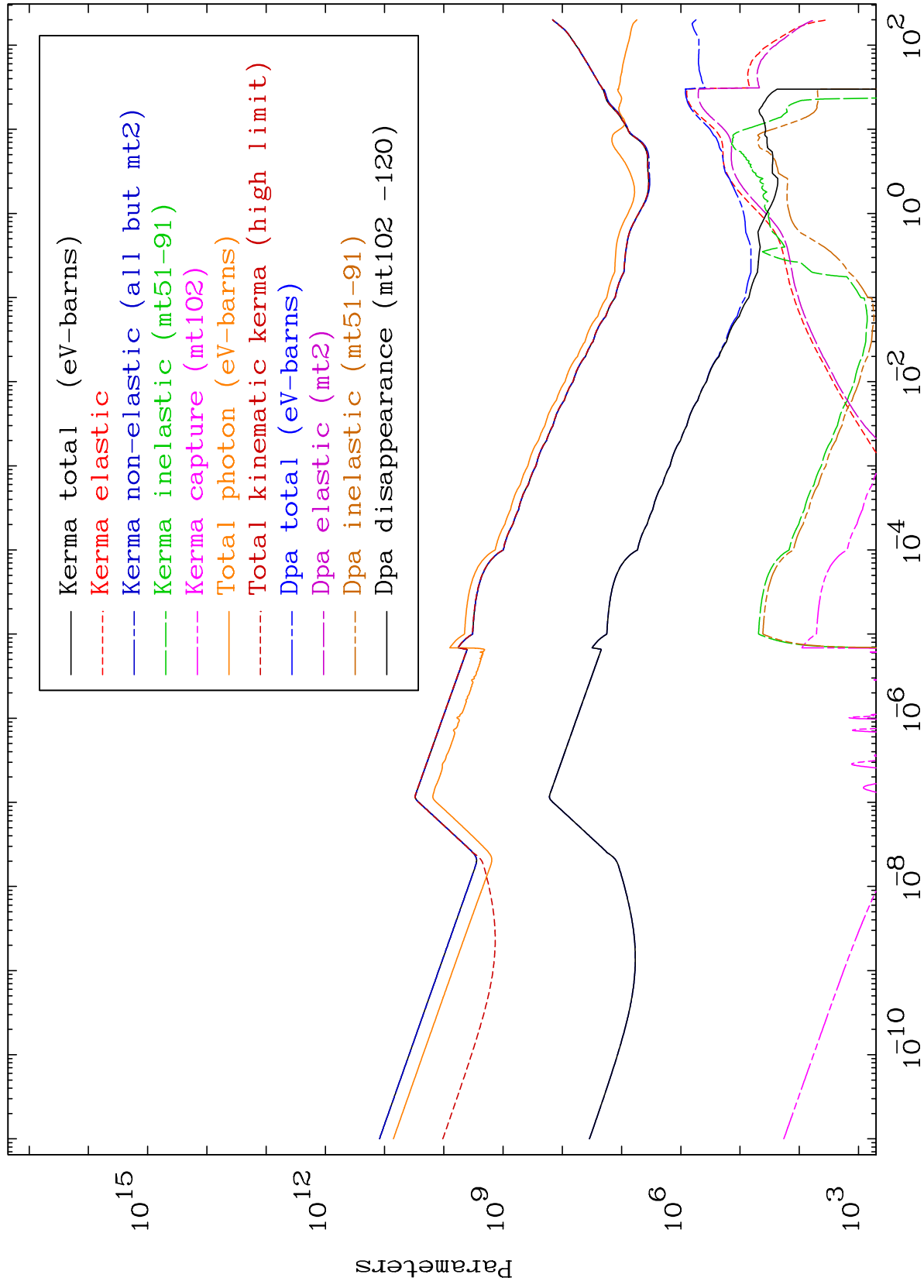


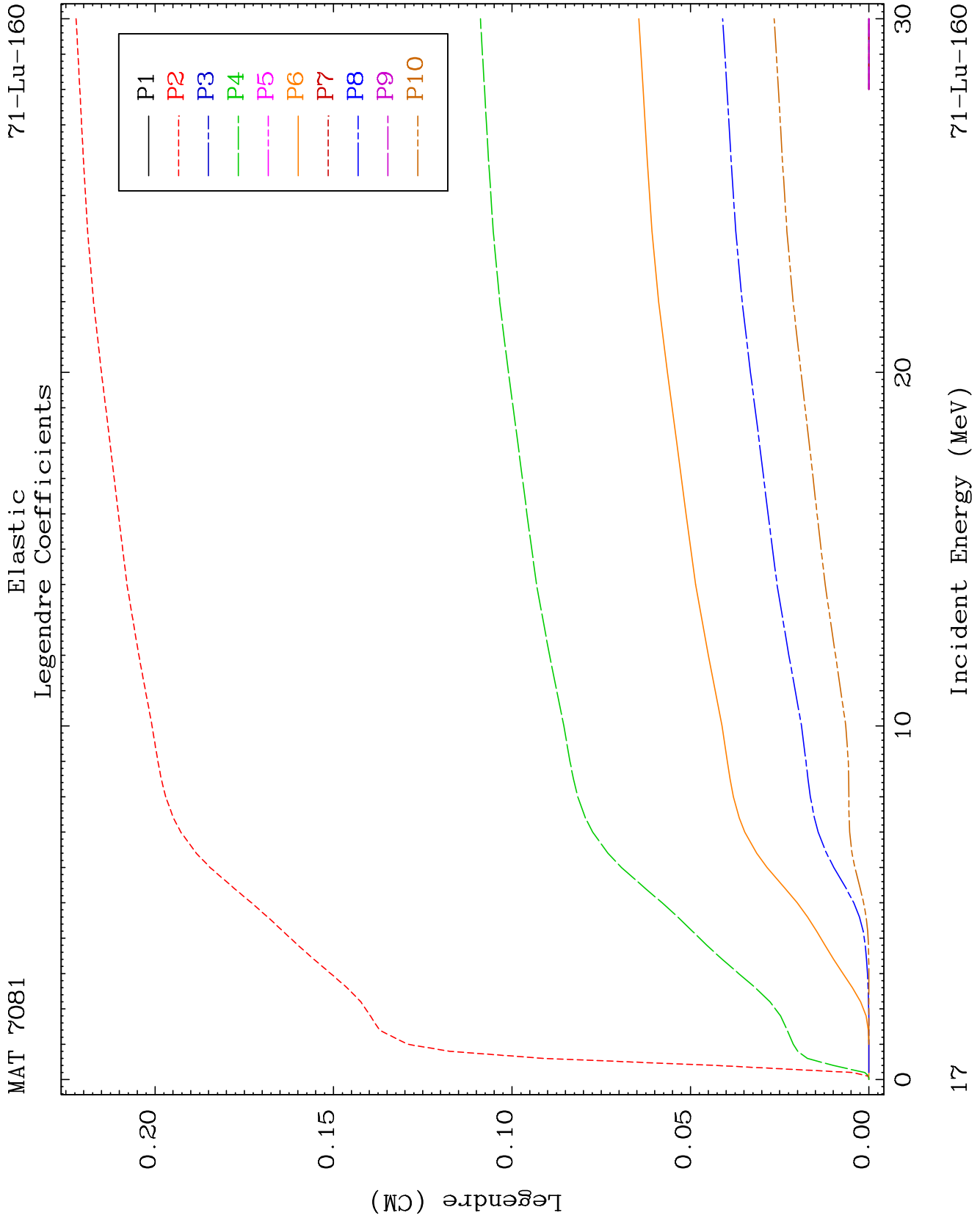
15

Incident Energy (MeV)

71-Lu-160



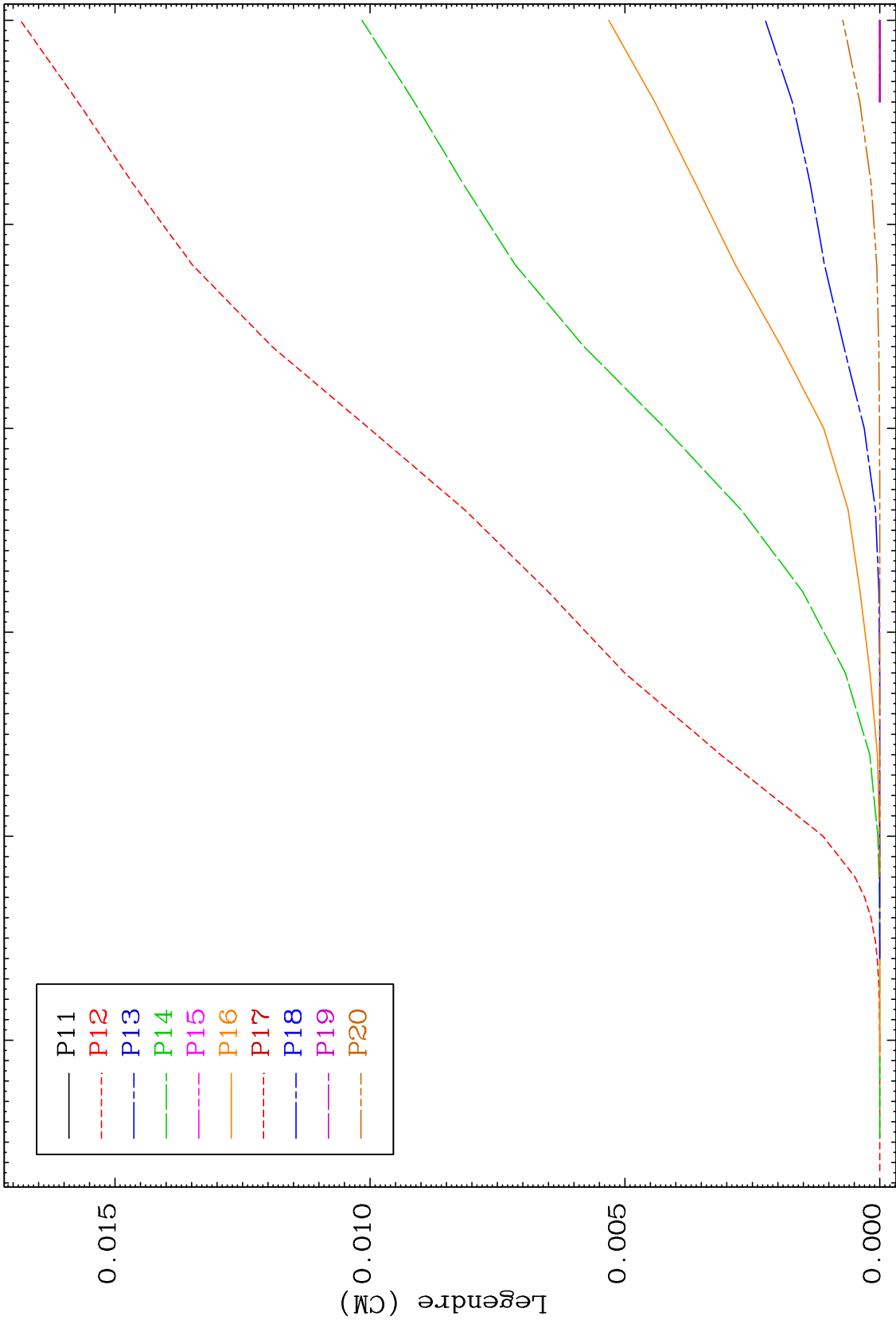




MAT 7081

Elastic  
Legendre Coefficients

71-Lu-160



18

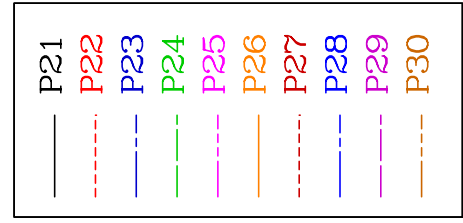
Incident Energy (MeV)

71-Lu-160

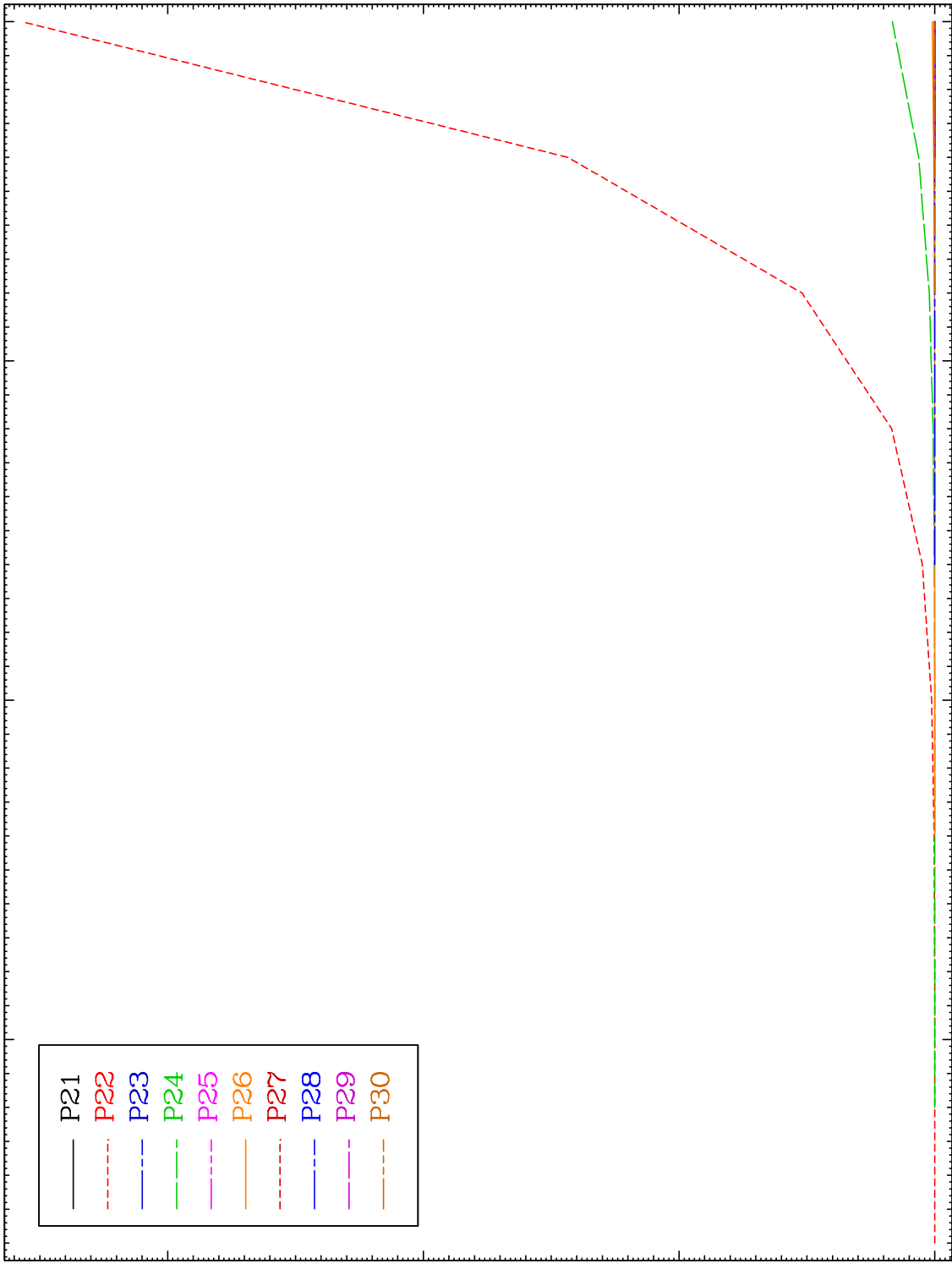
MAT 7081

Elastic  
Legendre Coefficients

71-Lu-160



$\times 10^{-5}$   
Legendre (CM)



19

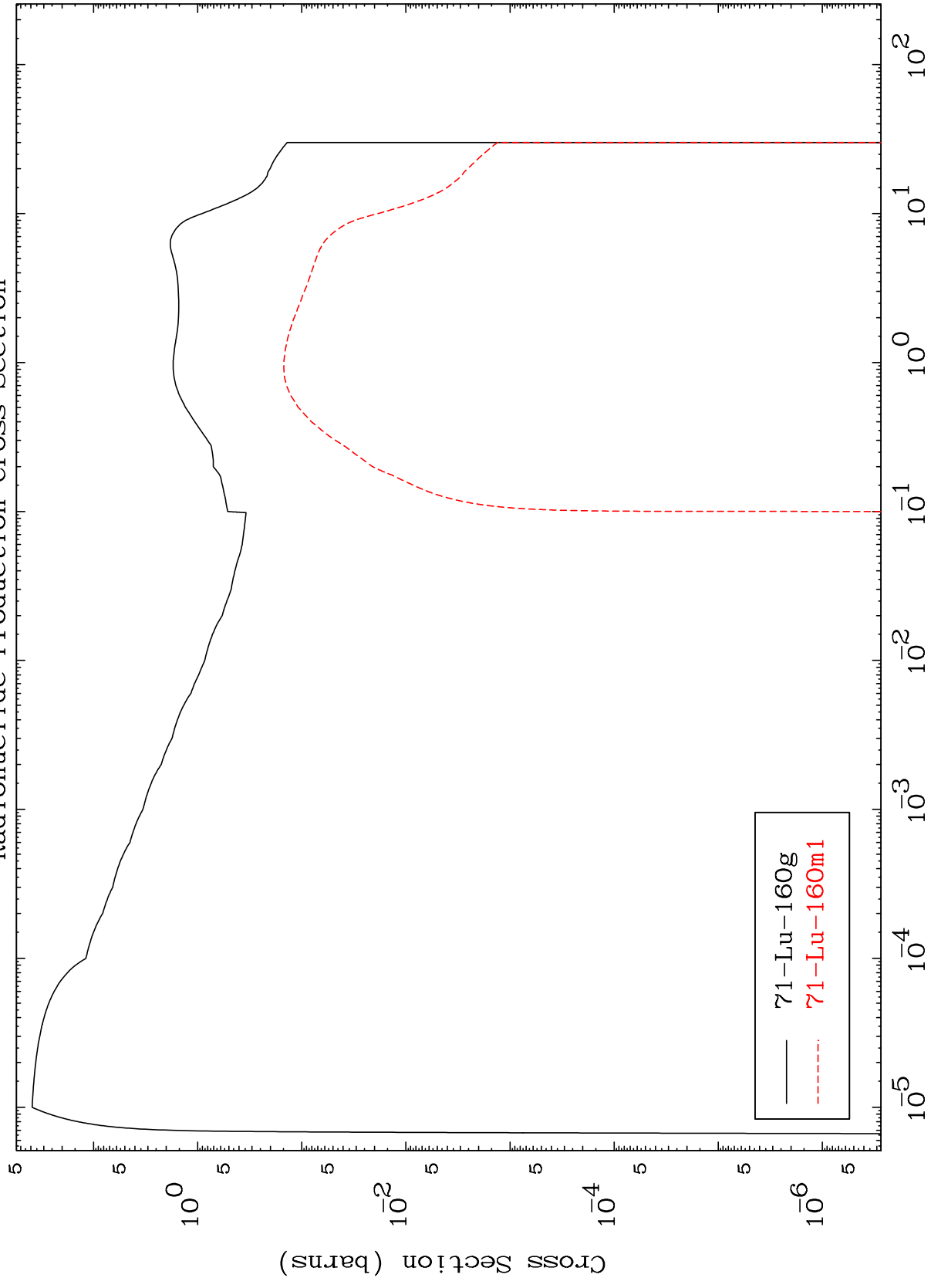
Incident Energy (MeV)

71-Lu-160

MAT 7081

Inelastic  
Radionuclide Production Cross Section

$^{71}\text{Lu-160}$



20

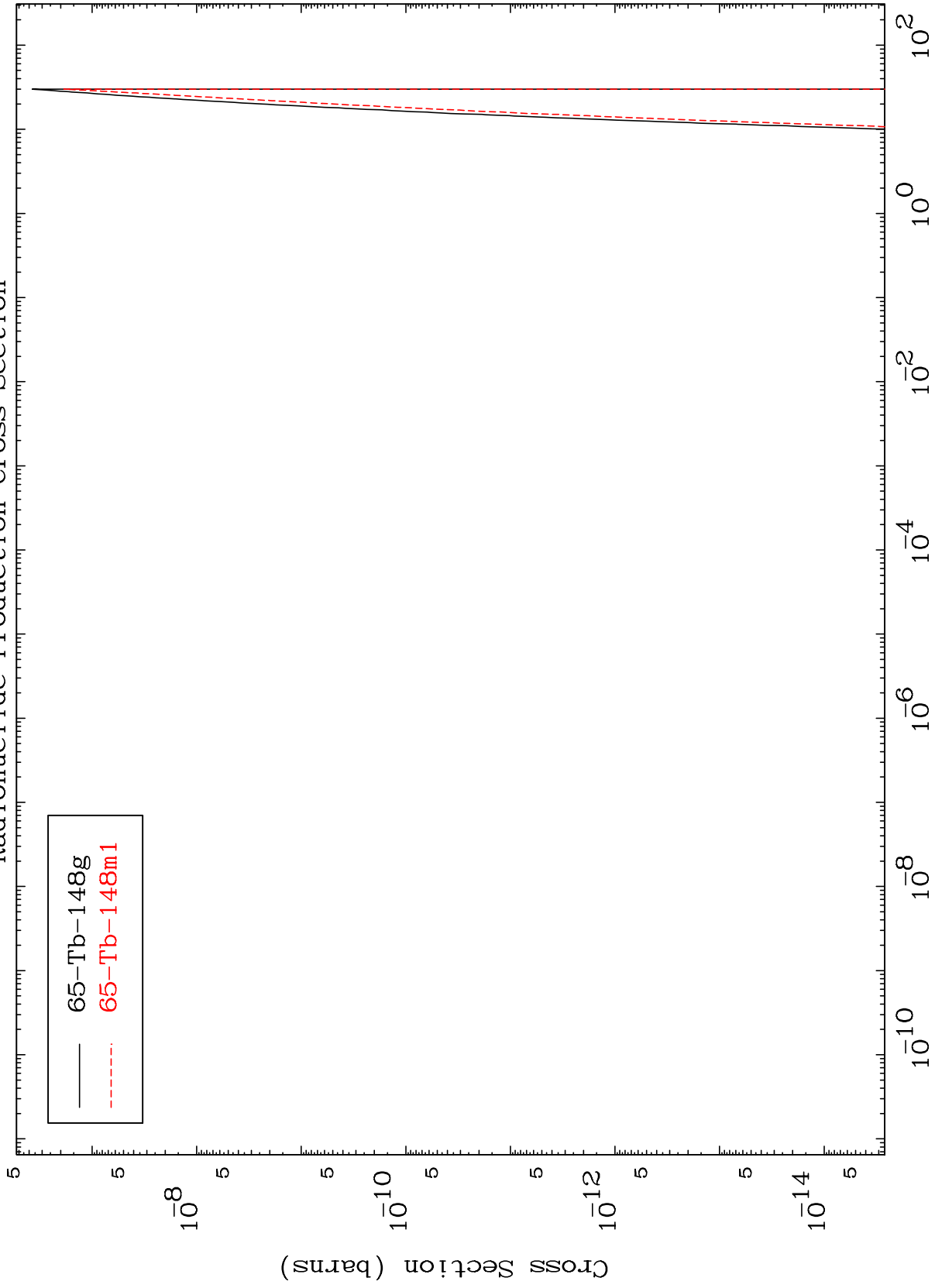
$^{71}\text{Lu-160}$

MAT 7081

(n,n') 3 $\alpha$

71-Lu-160

Radionuclide Production Cross Section



21

Incident Energy (MeV)

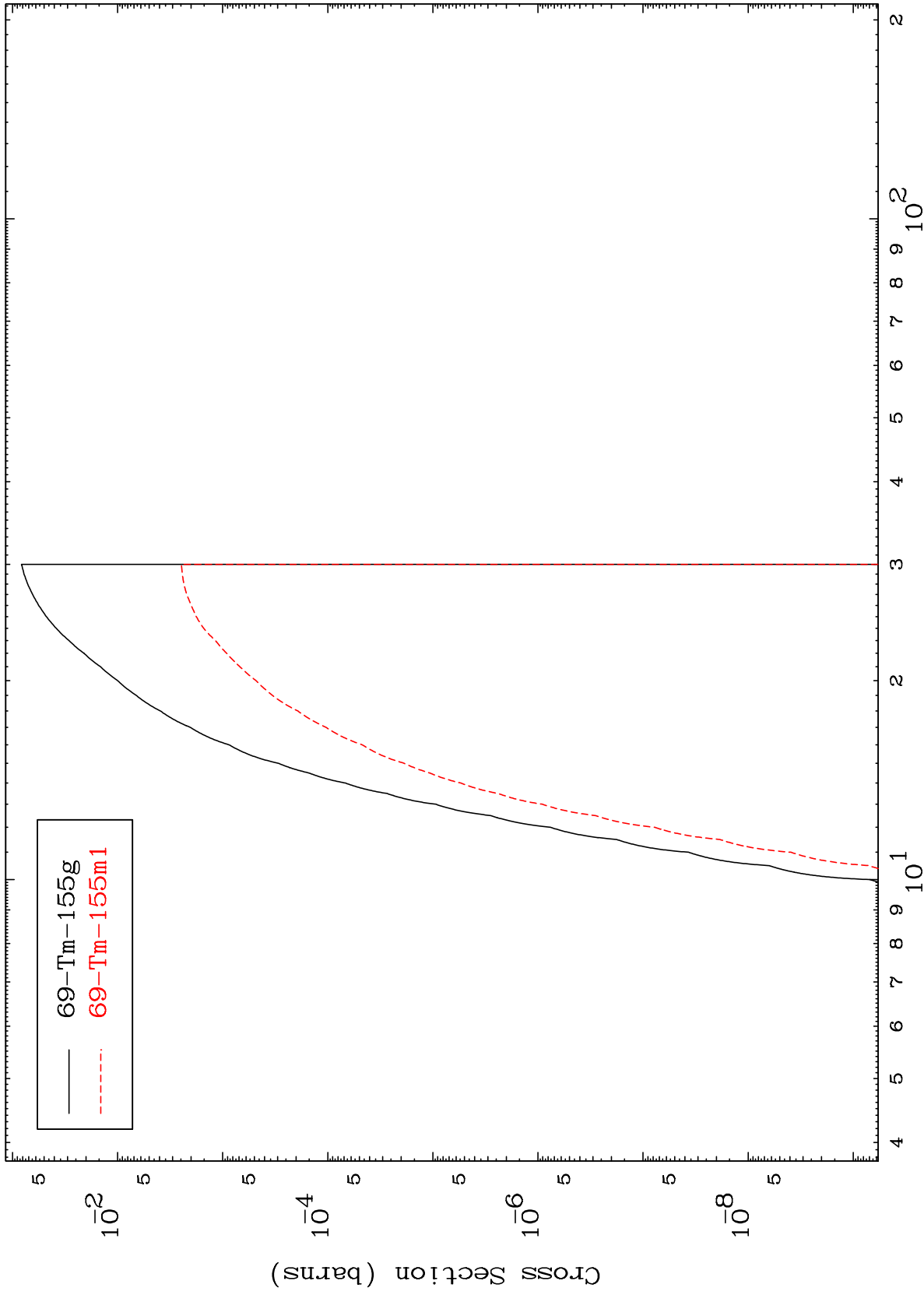
71-Lu-160

MAT 7081

(n,2n)  $\alpha$

<sup>71</sup>Lu-160

Radionuclide Production Cross Section



69-Tm-155g  
69-Tm-155m1

22

Incident Energy (MeV)

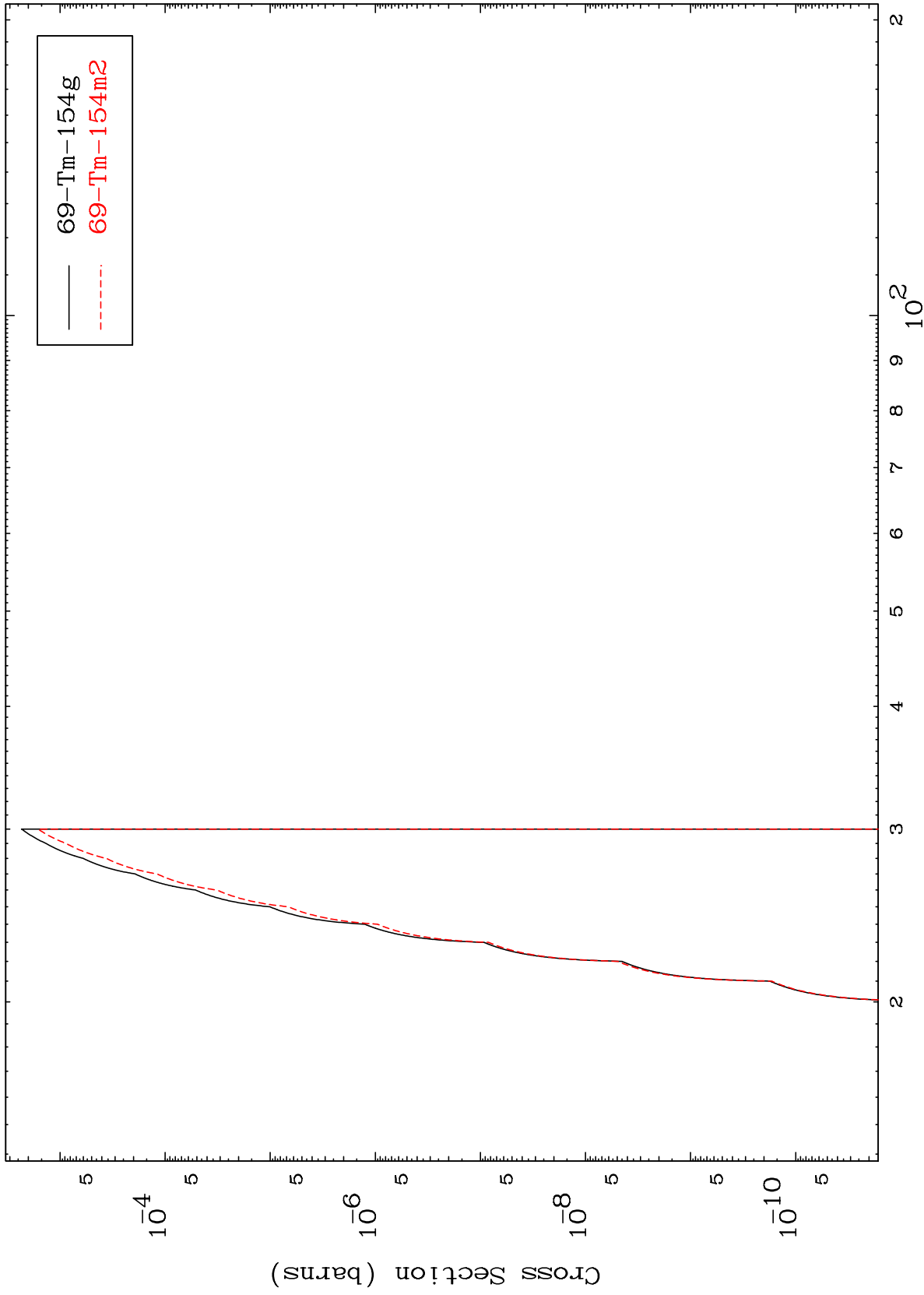
<sup>71</sup>Lu-160

MAT 7081

(n,3n)  $\alpha$

71-Lu-160

Radionuclide Production Cross Section



23

Incident Energy (MeV)

71-Lu-160

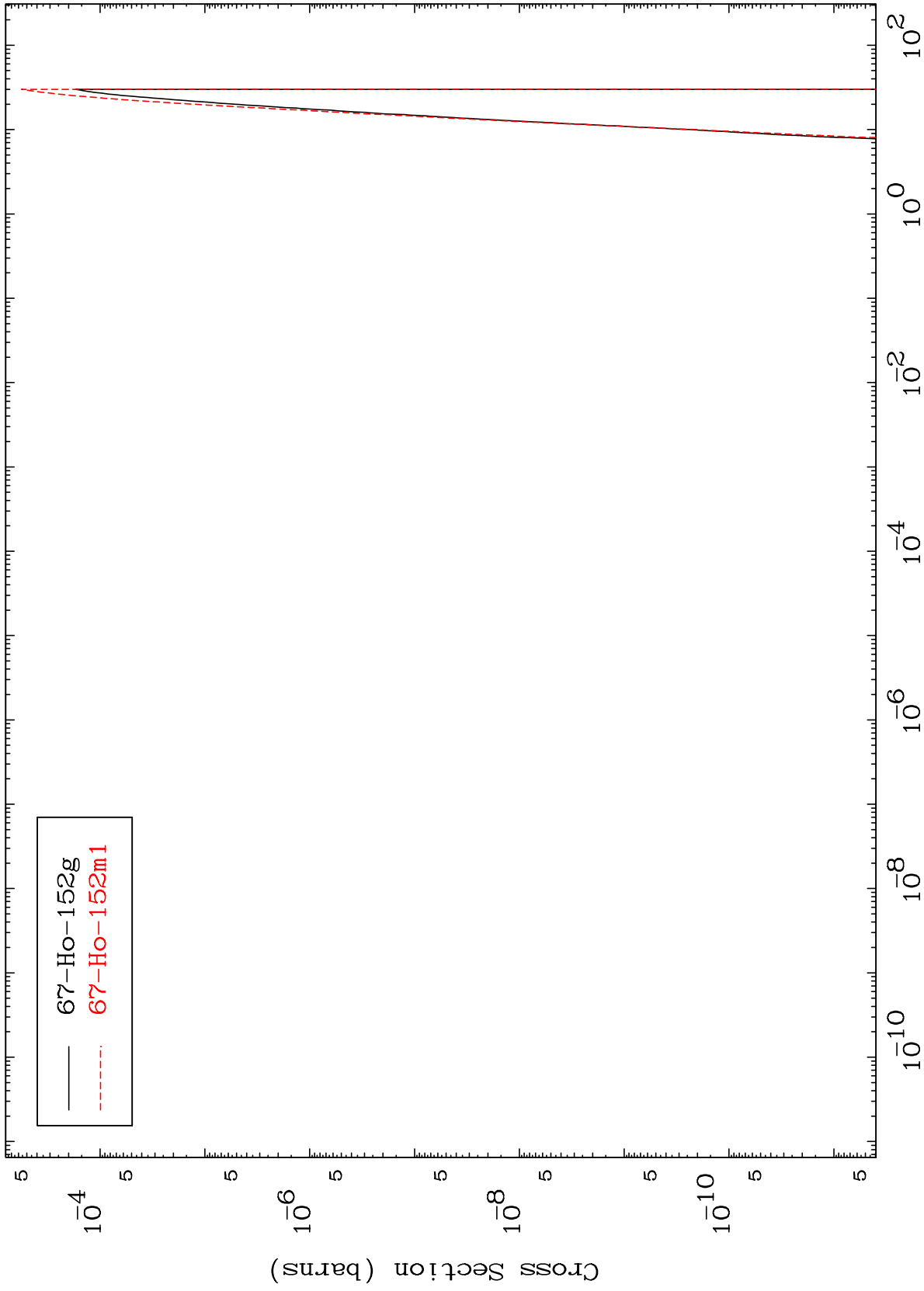


MAT 7081

(n,n') 2 $\alpha$

<sup>71</sup>Lu-160

Radionuclide Production Cross Section



24

Incident Energy (MeV)

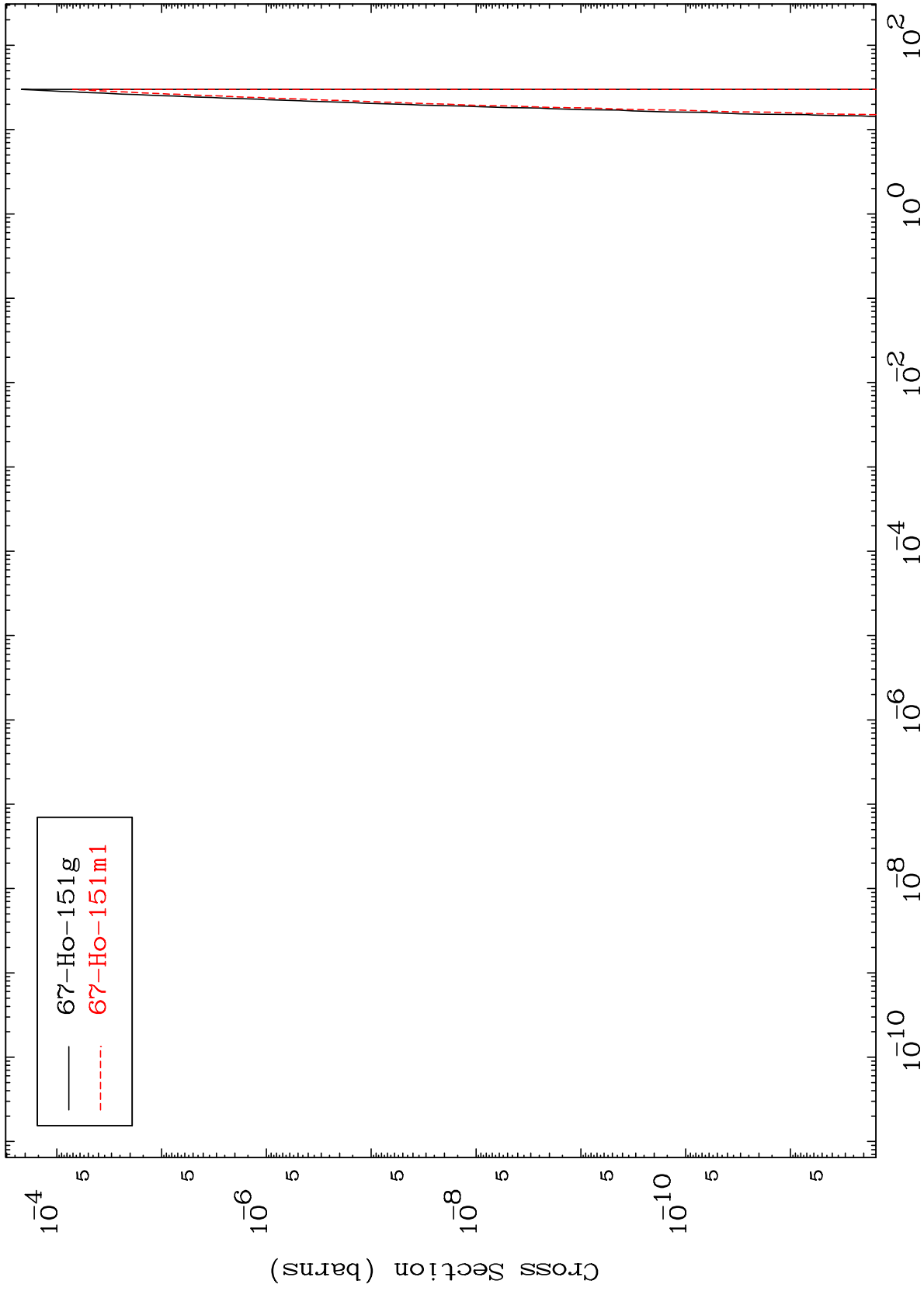
<sup>71</sup>Lu-160

MAT 7081

(n,2n) 2α

71-Lu-160

Radionuclide Production Cross Section



25

Incident Energy (MeV)

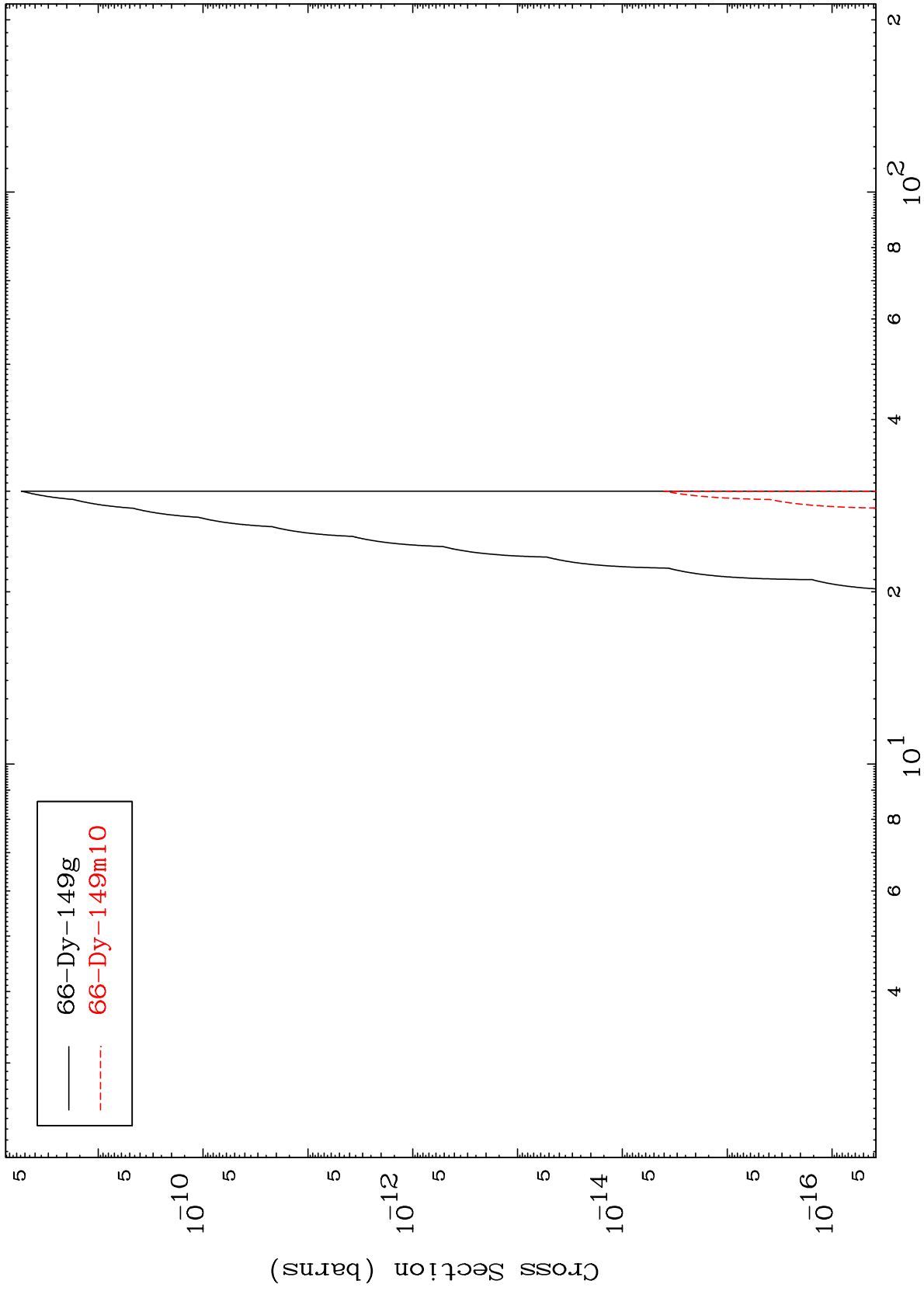
71-Lu-160

MAT 7081

(n, n') t, 2α

<sup>71</sup>Lu-160

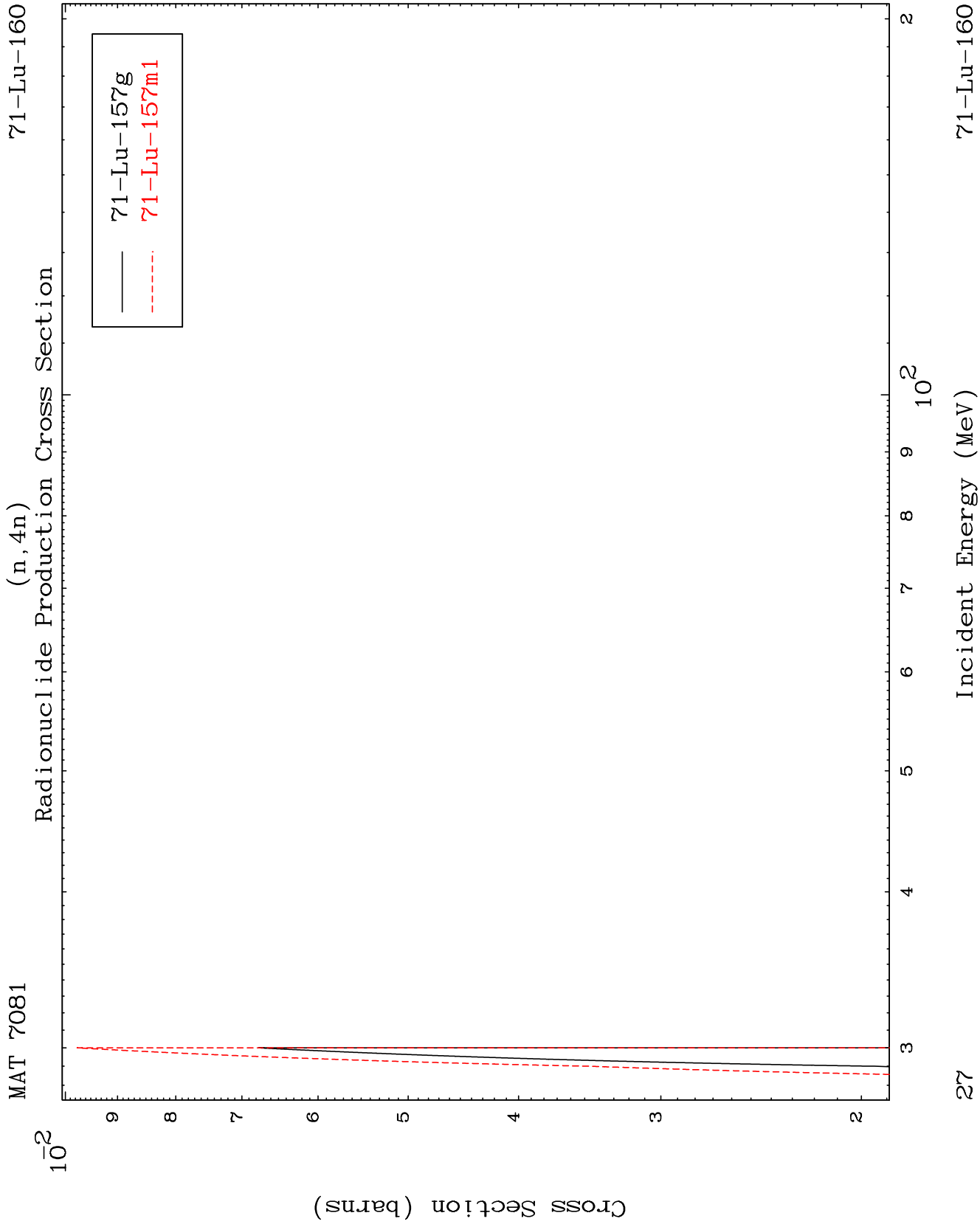
Radionuclide Production Cross Section



26

Incident Energy (MeV)

<sup>71</sup>Lu-160

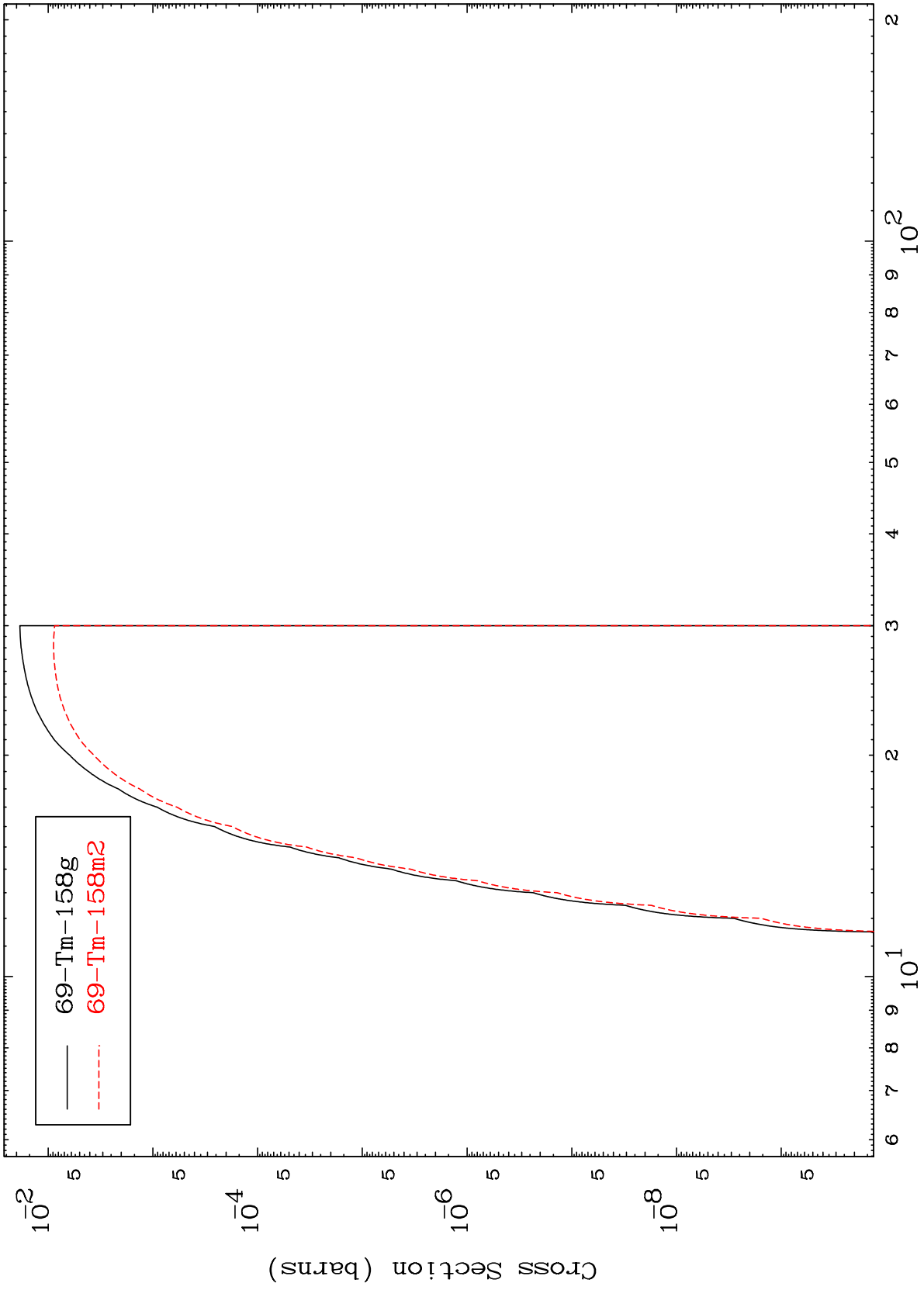


MAT 7081

(n,2n) p

71-Lu-160

Radionuclide Production Cross Section



28

Incident Energy (MeV)

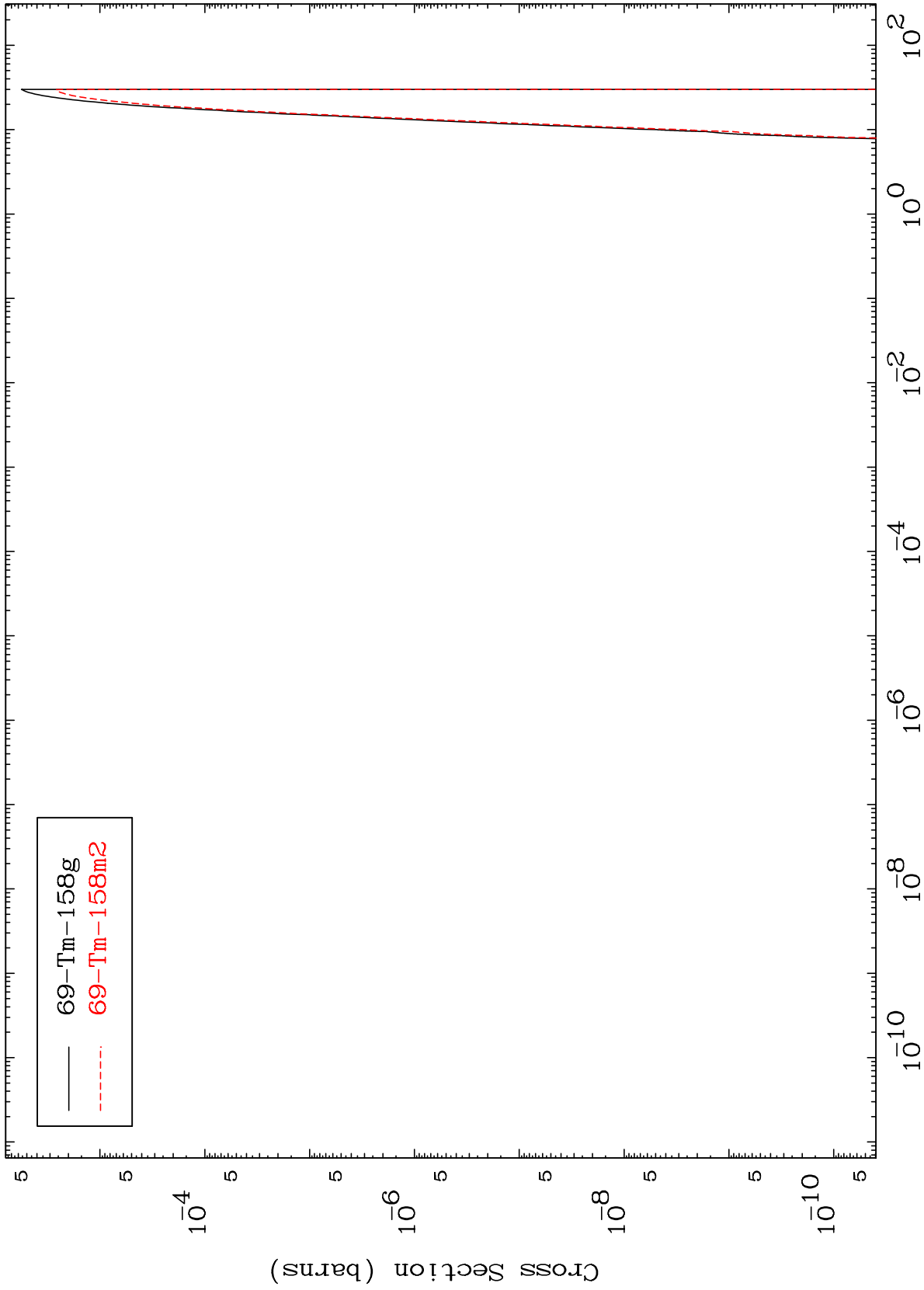
71-Lu-160

MAT 7081

(n, He-3)

71-Lu-160

Radionuclide Production Cross Section

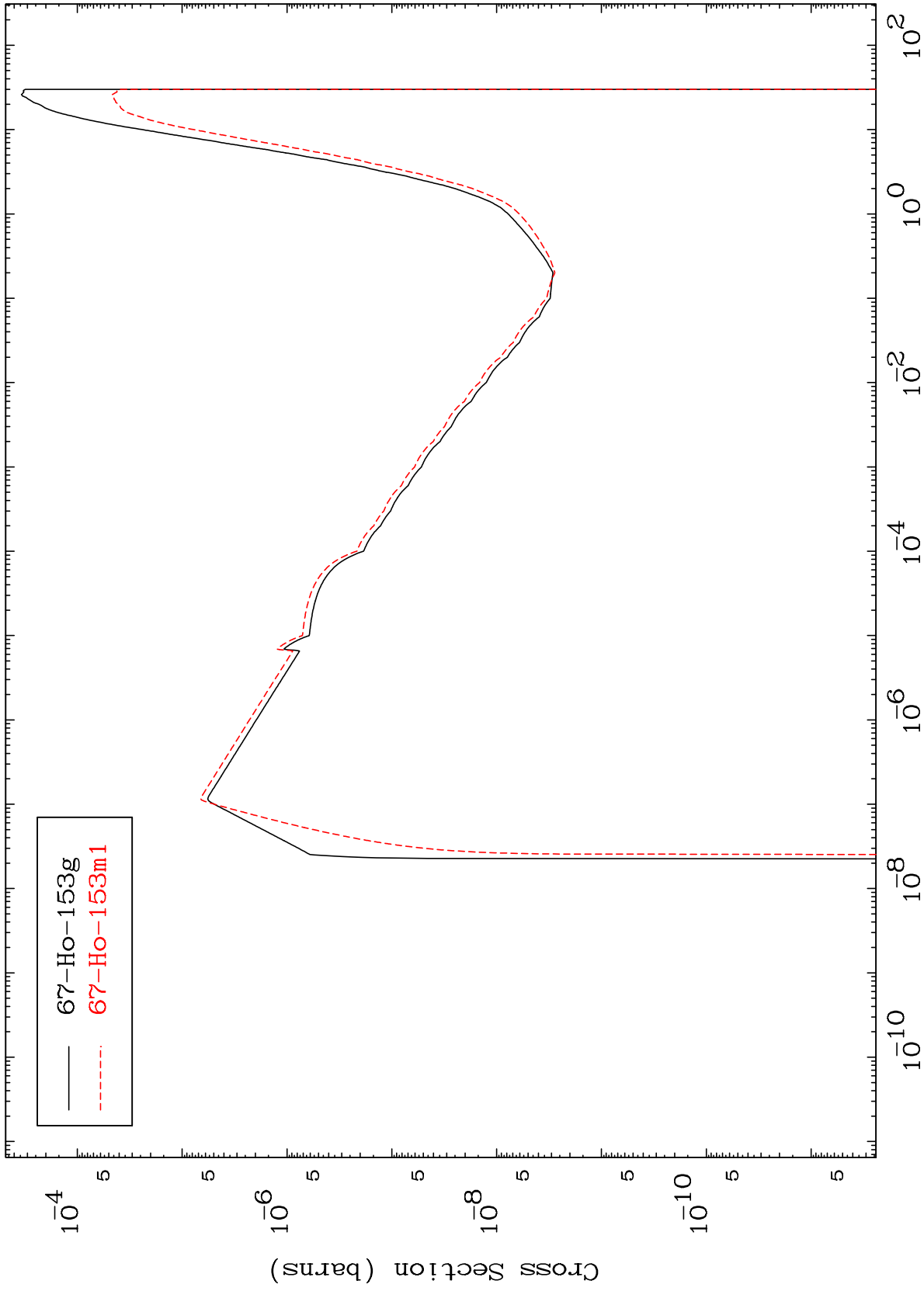


MAT 7081

(n,2α)

71-Lu-160

Radionuclide Production Cross Section



— 67-Ho-153g  
- - - 67-Ho-153m1

30

Incident Energy (MeV)

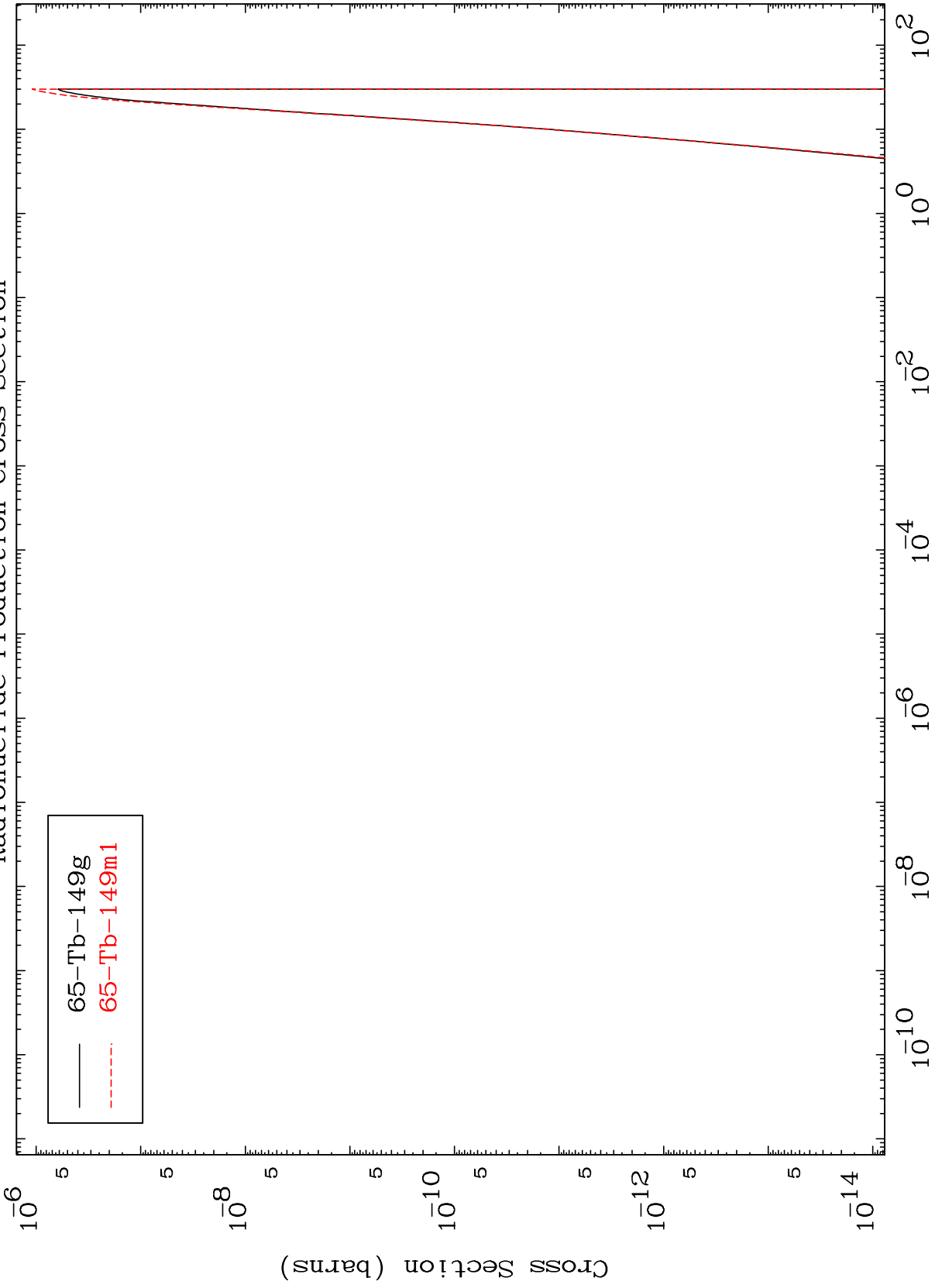
71-Lu-160

MAT 7081

(n,3α)

<sup>71</sup>Lu-160

Radionuclide Production Cross Section



31

Incident Energy (MeV)

<sup>71</sup>Lu-160

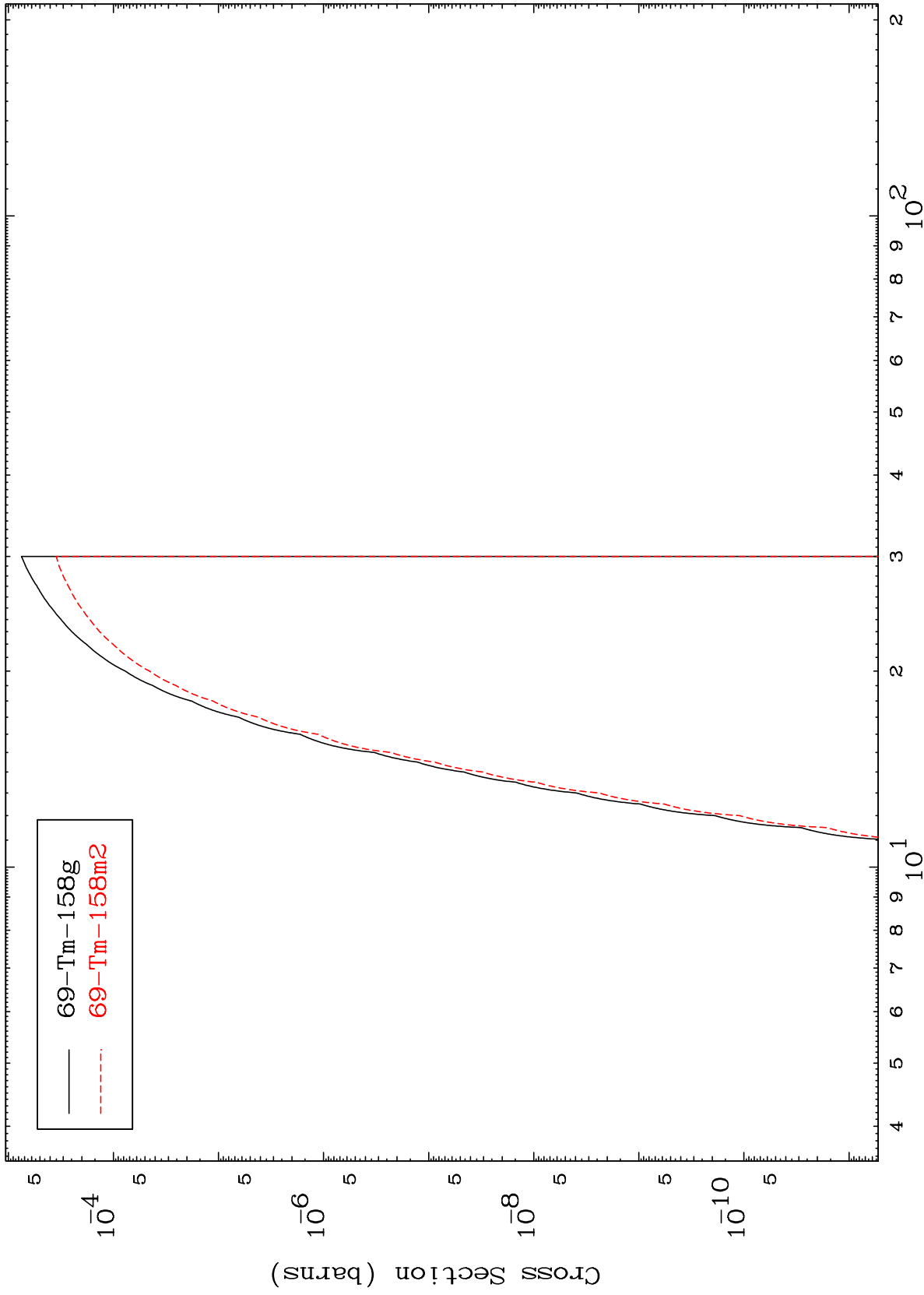


MAT 7081

(n,p) d

71-Lu-160

Radionuclide Production Cross Section



32

Incident Energy (MeV)

71-Lu-160