

Program EVALPLOT  
(Version 2015-2)

by

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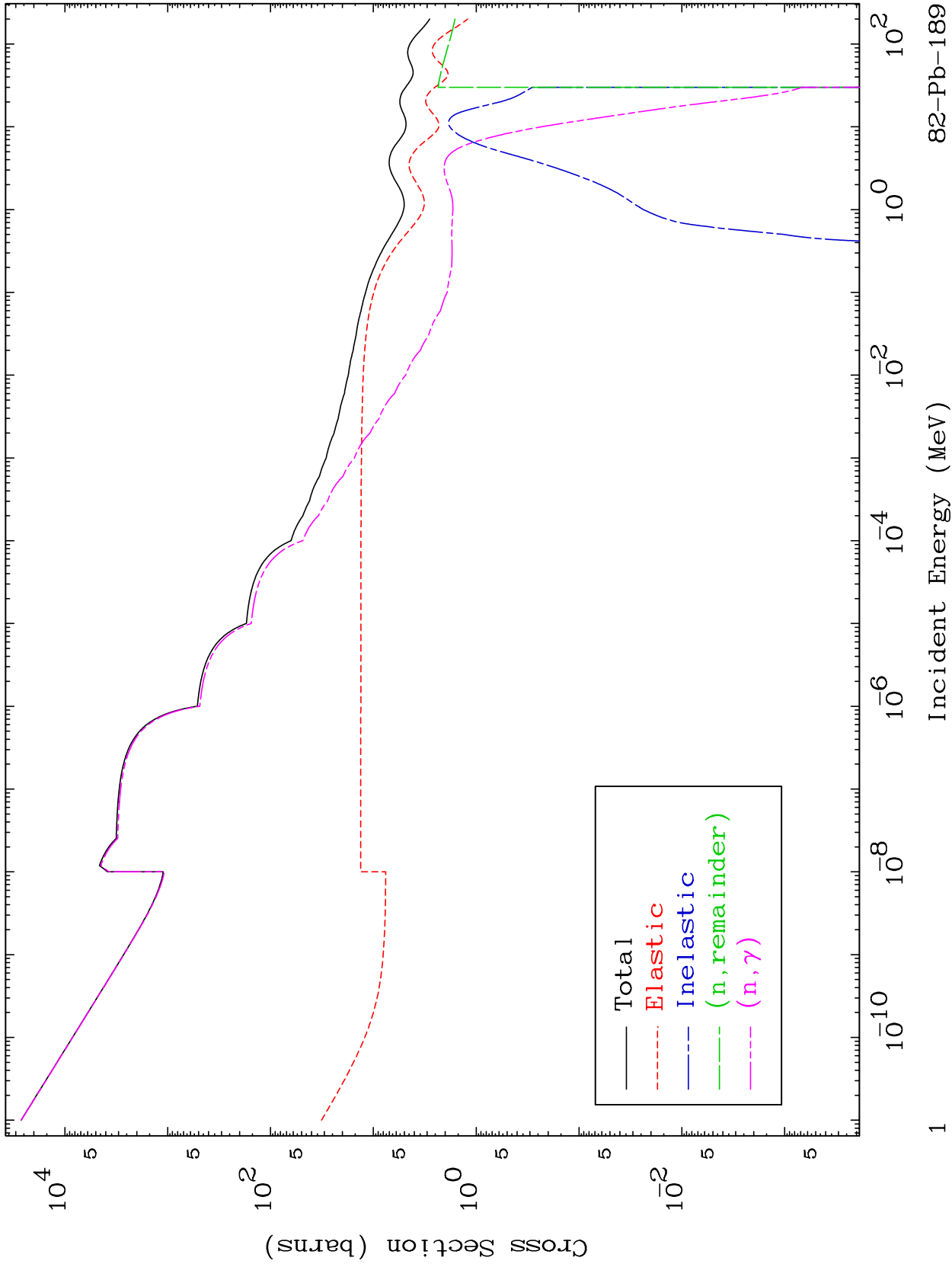
Press Mouse Button to Start

MAT 8181

Major

293 Kelvin Cross Sections

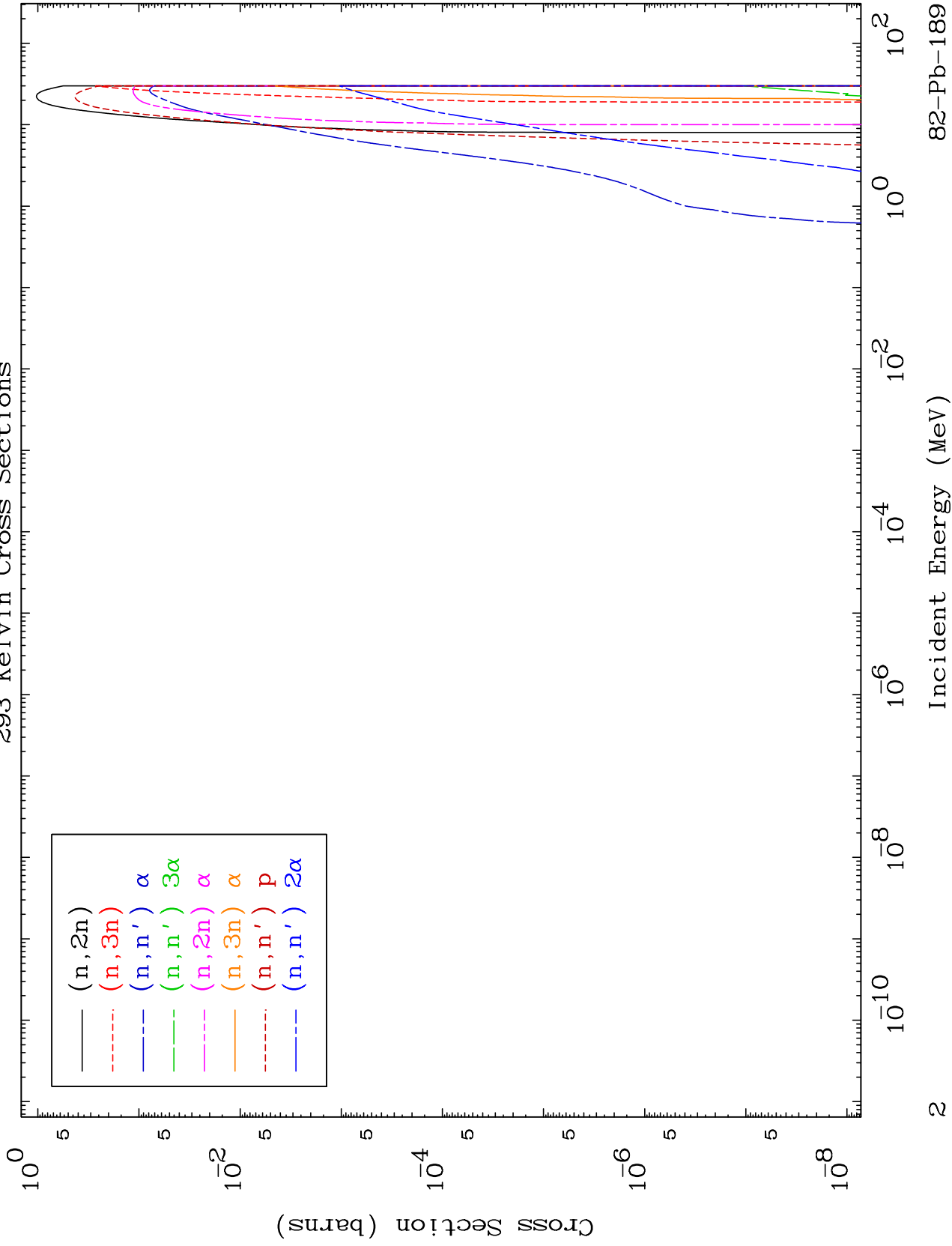
82-Pb-189



MAT 8181

Neutron Production  
293 Kelvin Cross Sections

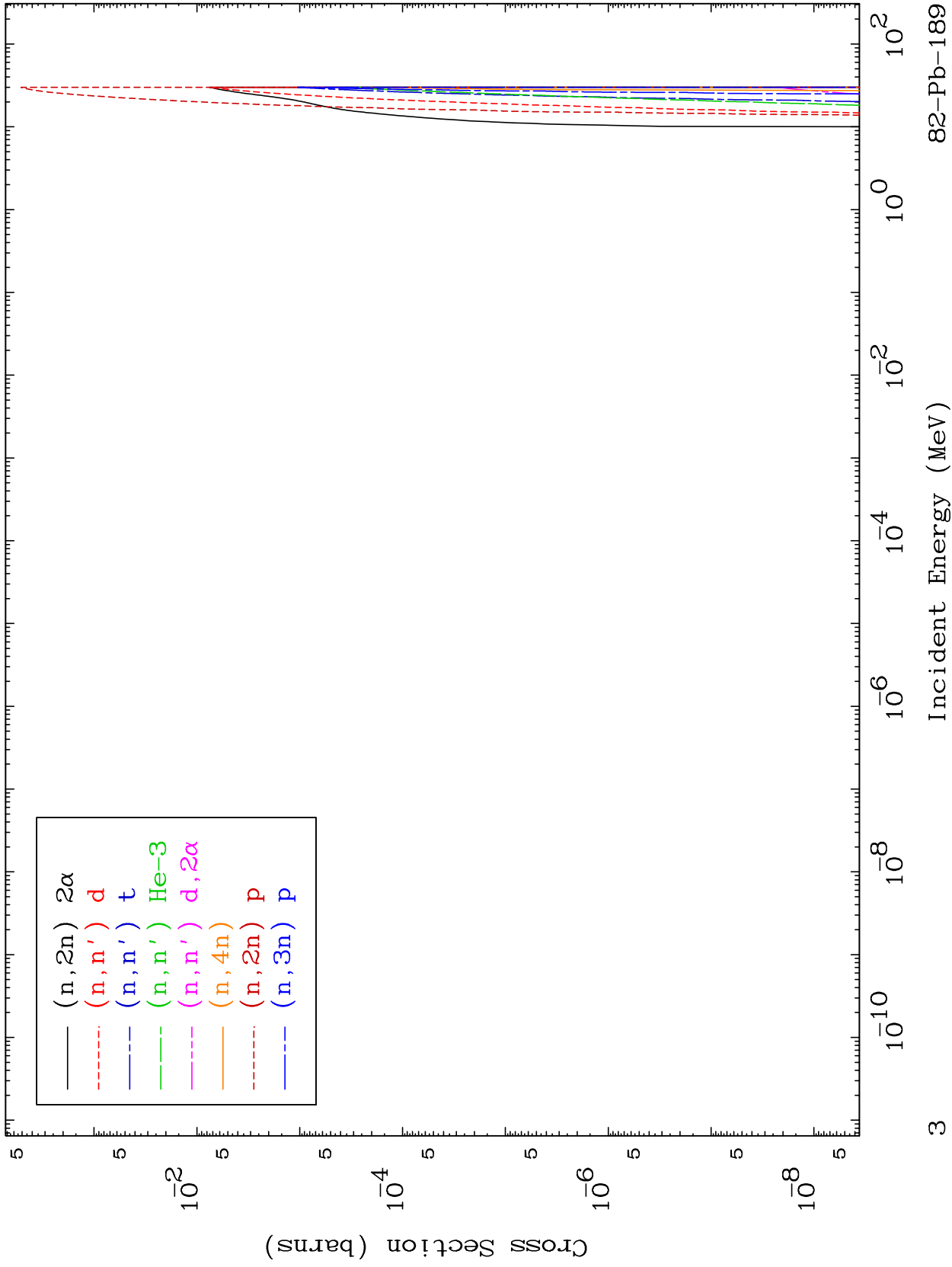
82-Pb-189



MAT 8181

Neutron Production  
293 Kelvin Cross Sections

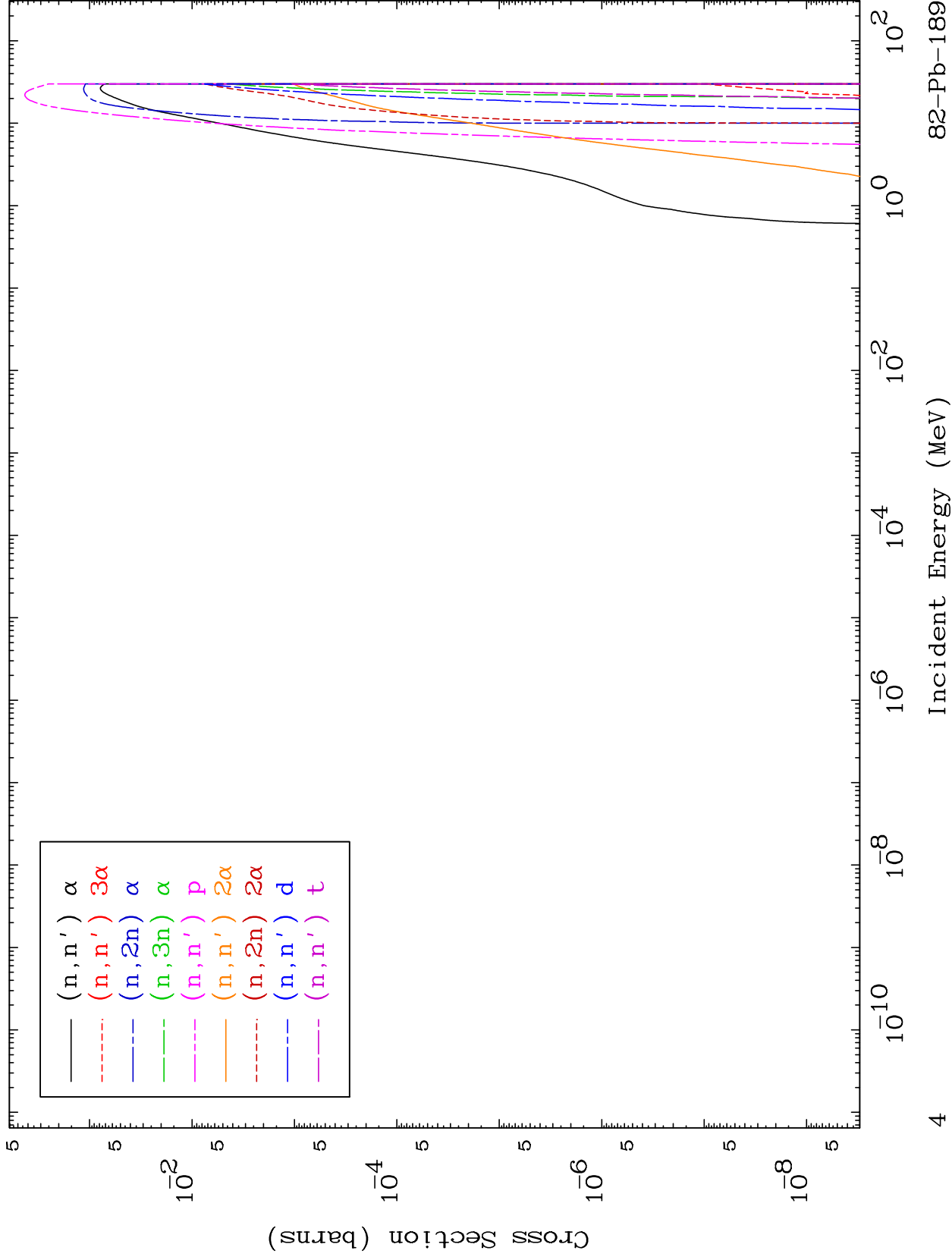
82-Pb-189



MAT 8181

Charged Particle  
293 Kelvin Cross Sections

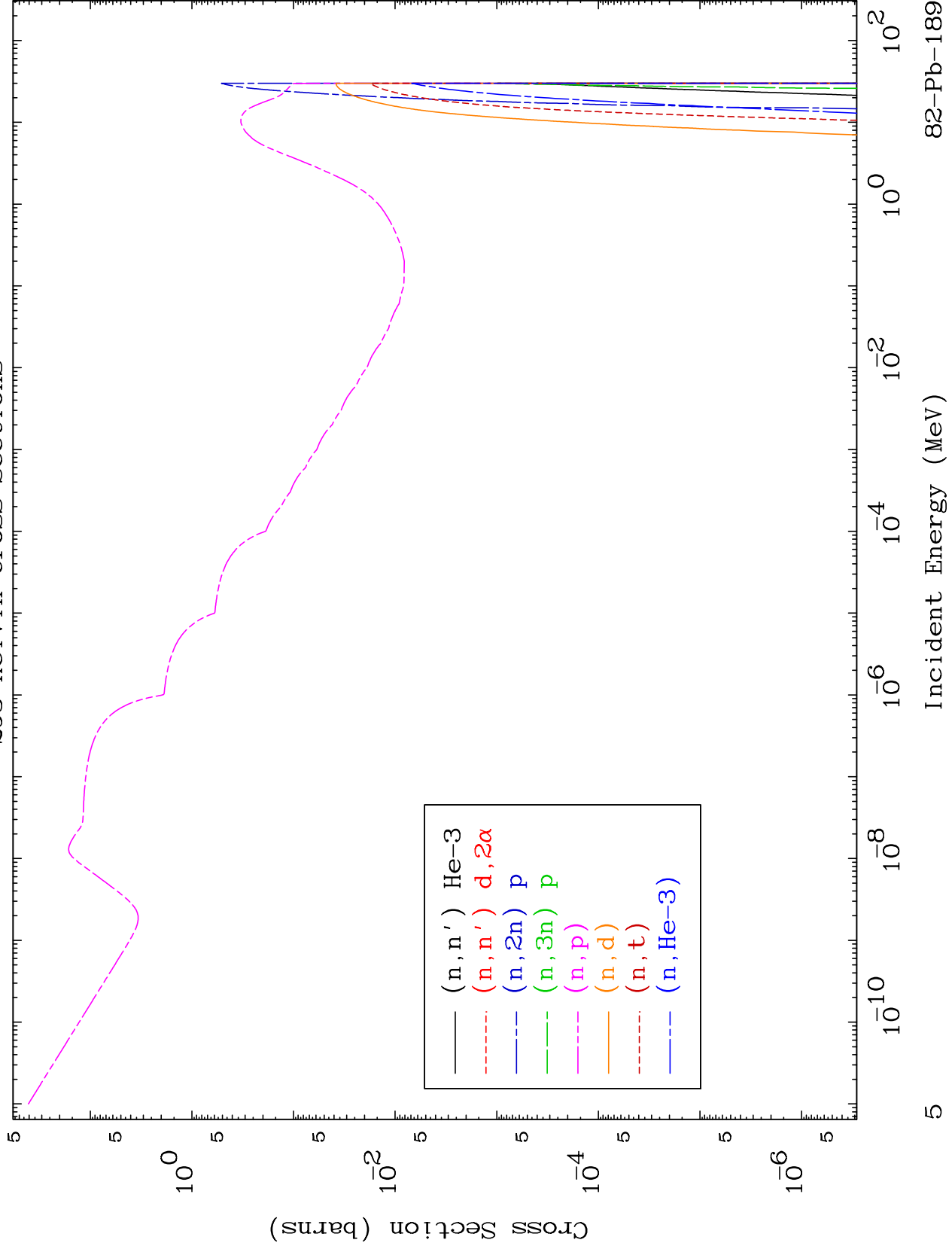
82-Pb-189



MAT 8181

Charged Particle  
293 Kelvin Cross Sections

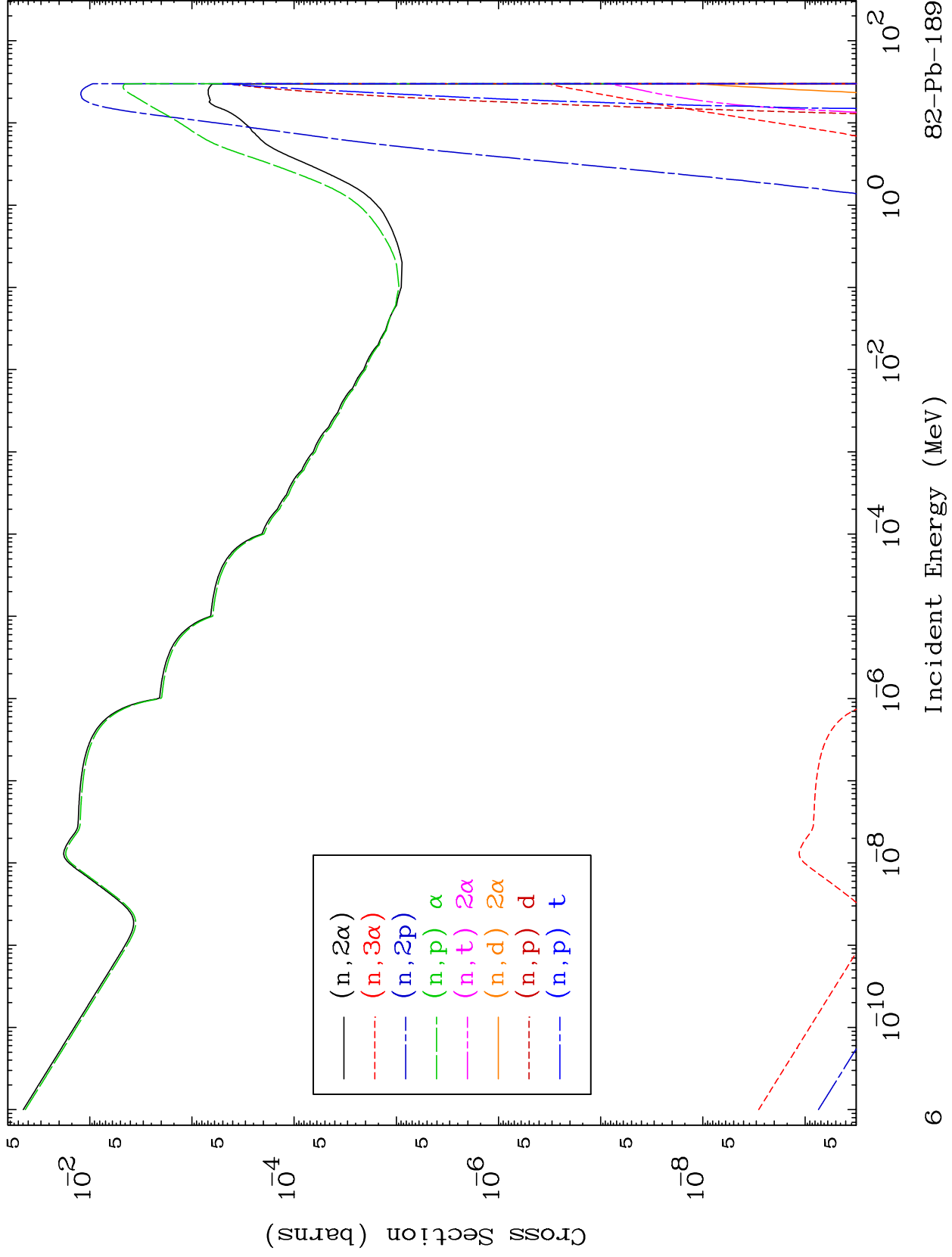
82-Pb-189



MAT 8181

Charged Particle  
293 Kelvin Cross Sections

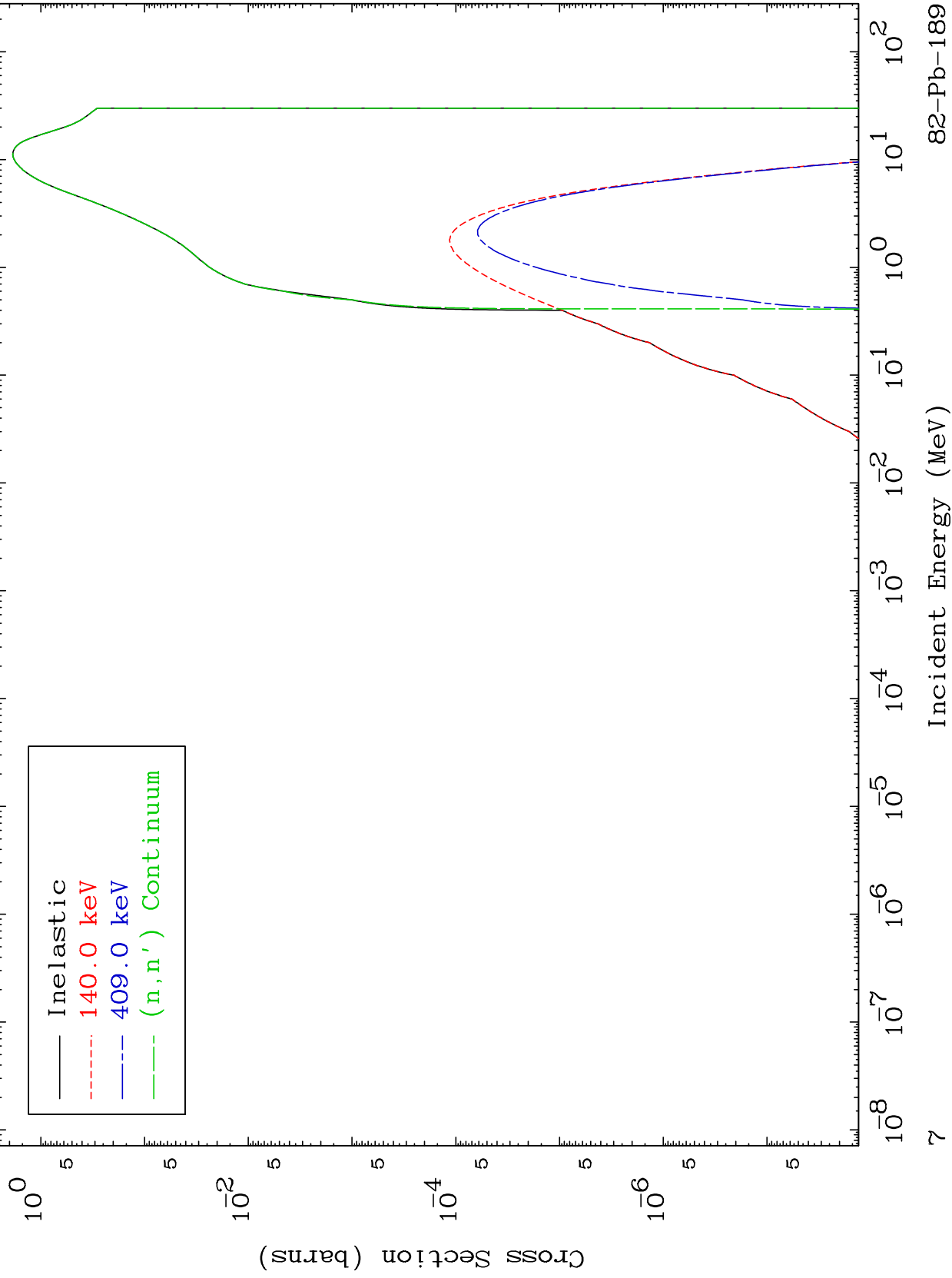
82-Pb-189



MAT 8181

(n,n') Level  
293 Kelvin Cross Sections

82-Pb-189

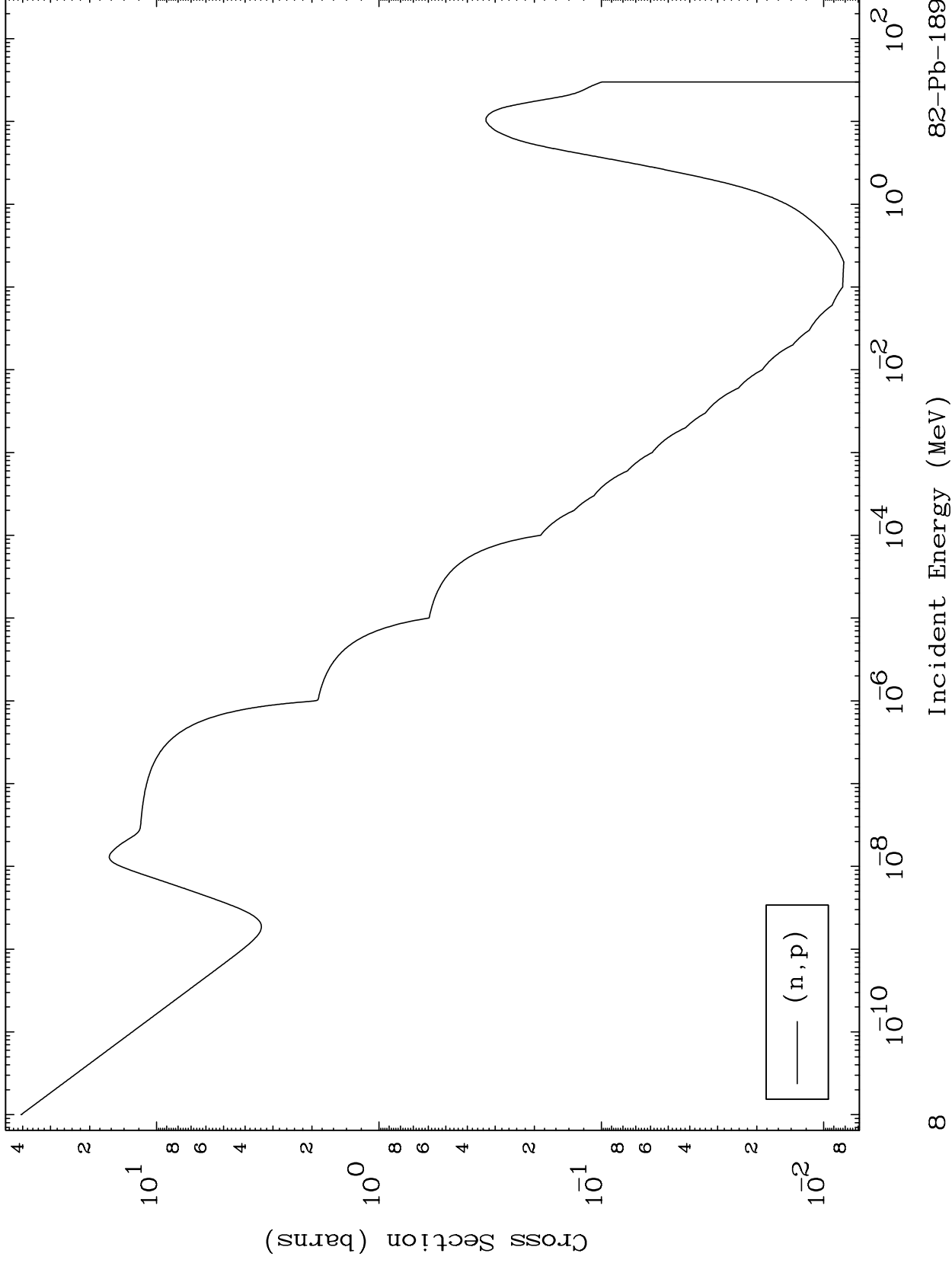




MAT 8181

(n,p) Levels  
293 Kelvin Cross Sections

82-Pb-189

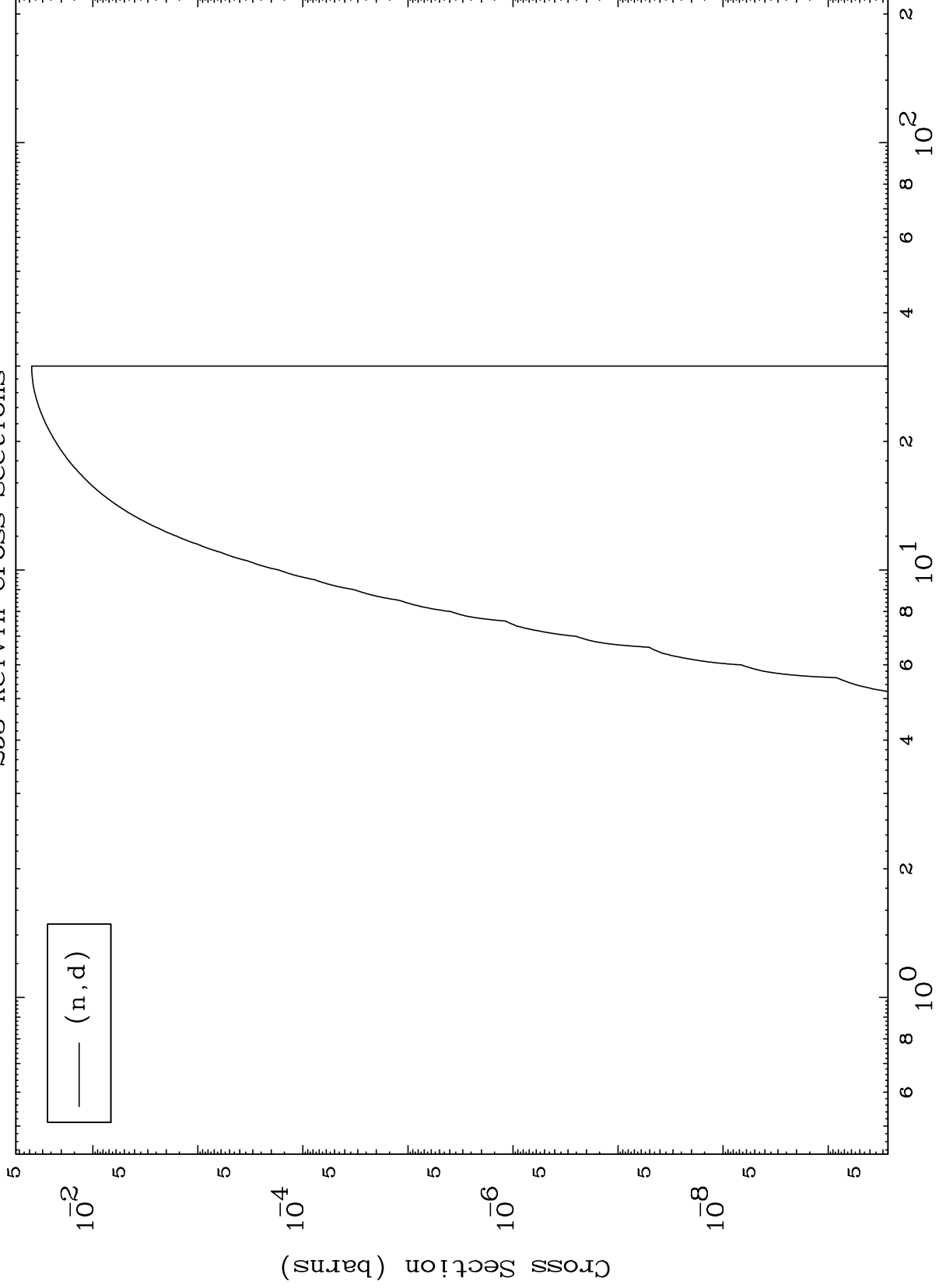


MAT 8181

(n,d) Levels

82-Pb-189

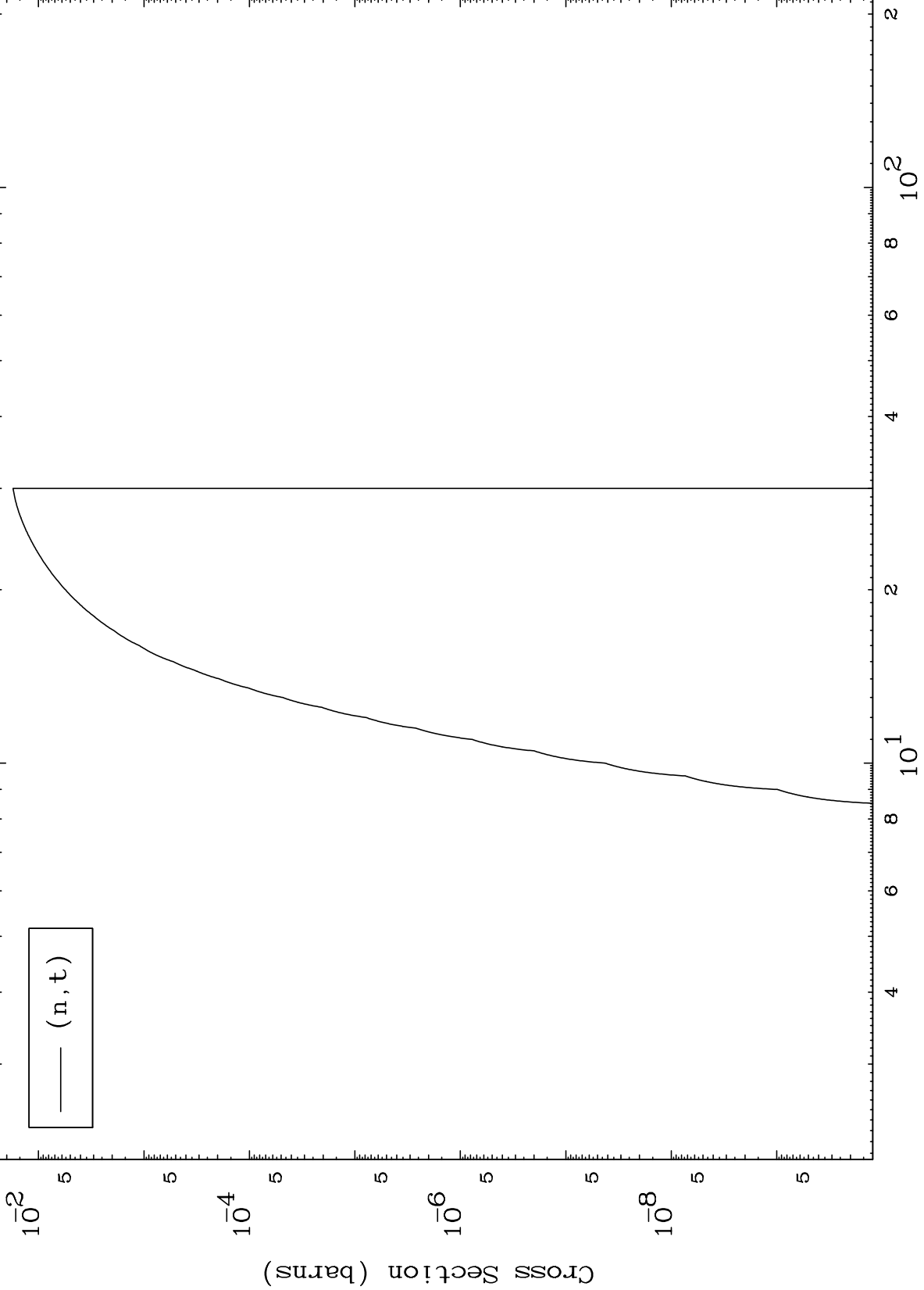
293 Kelvin Cross Sections



MAT 8181

(n,t) Levels  
293 Kelvin Cross Sections

82-Pb-189



10

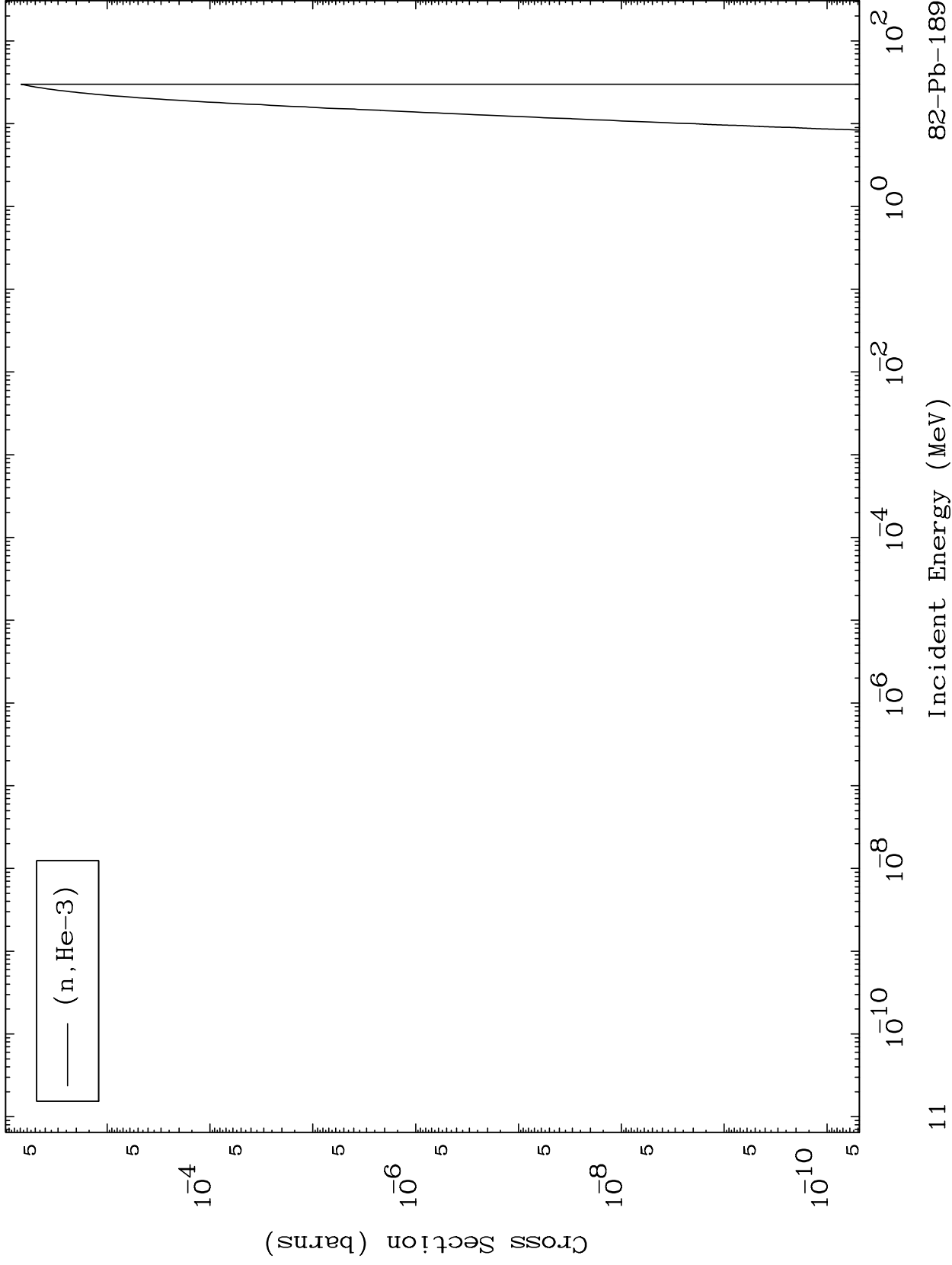
Incident Energy (MeV)

82-Pb-189

MAT 8181

(n,He3) Levels  
293 Kelvin Cross Sections

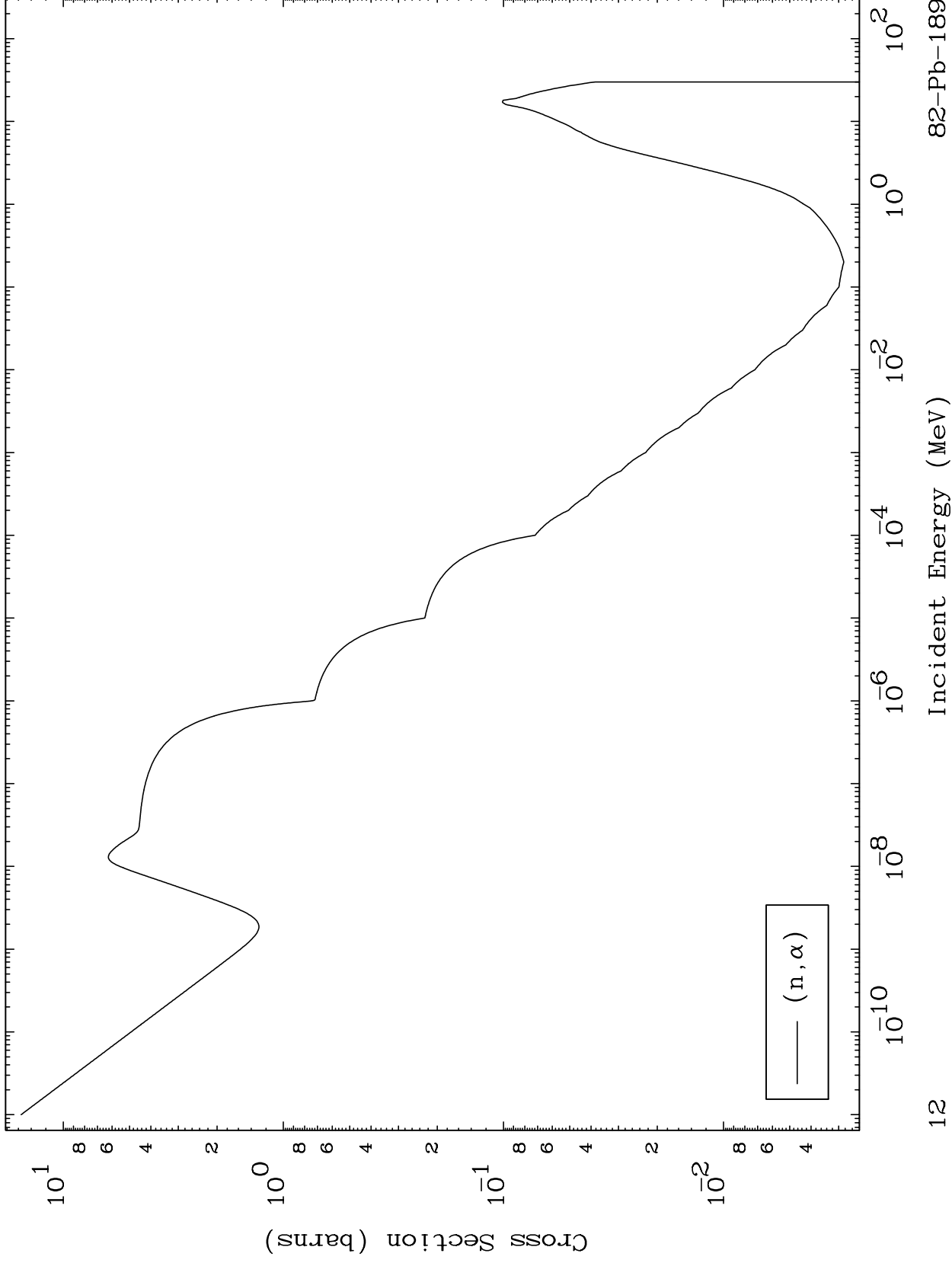
82-Pb-189

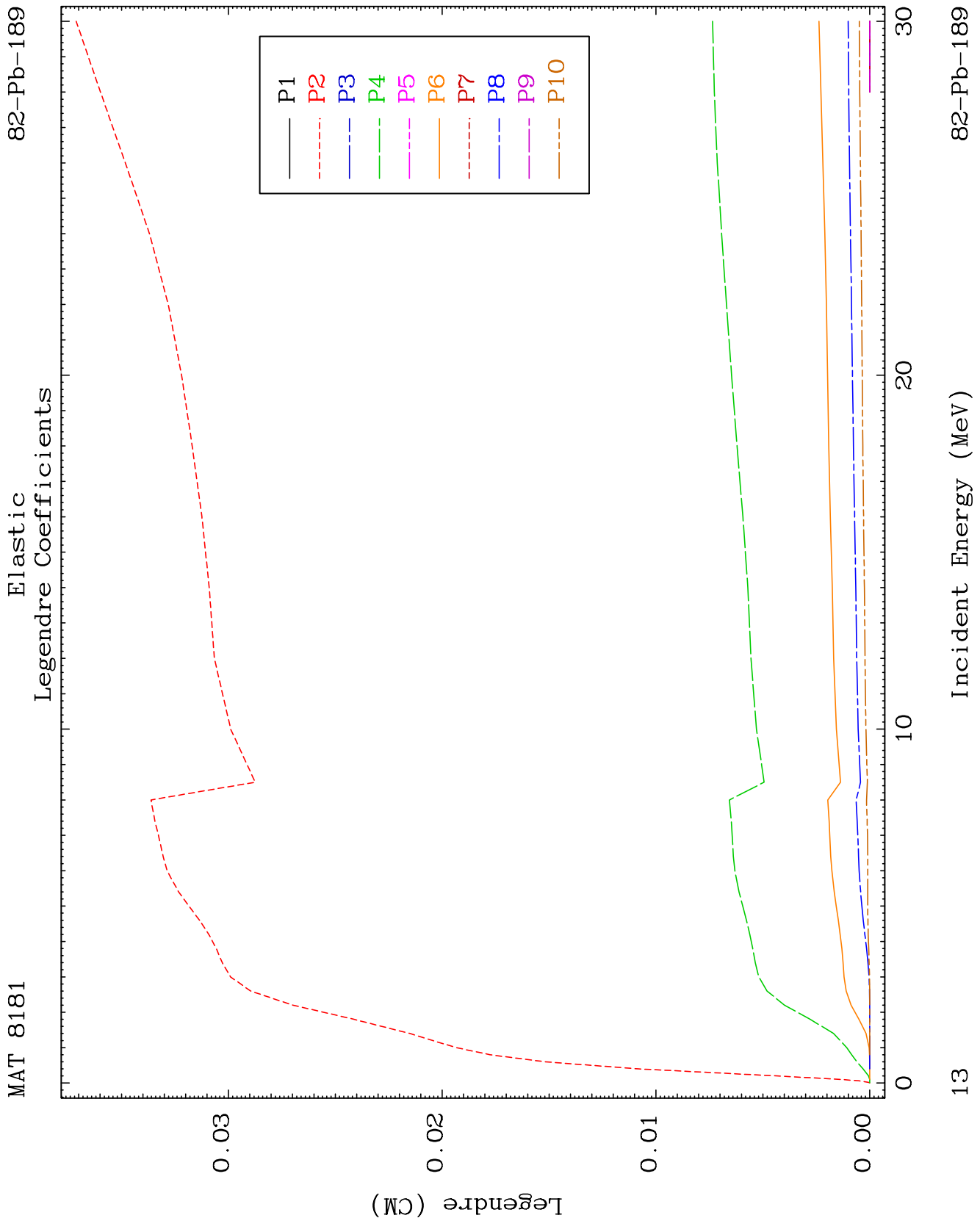


MAT 8181

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

82-Pb-189





82-Pb-189

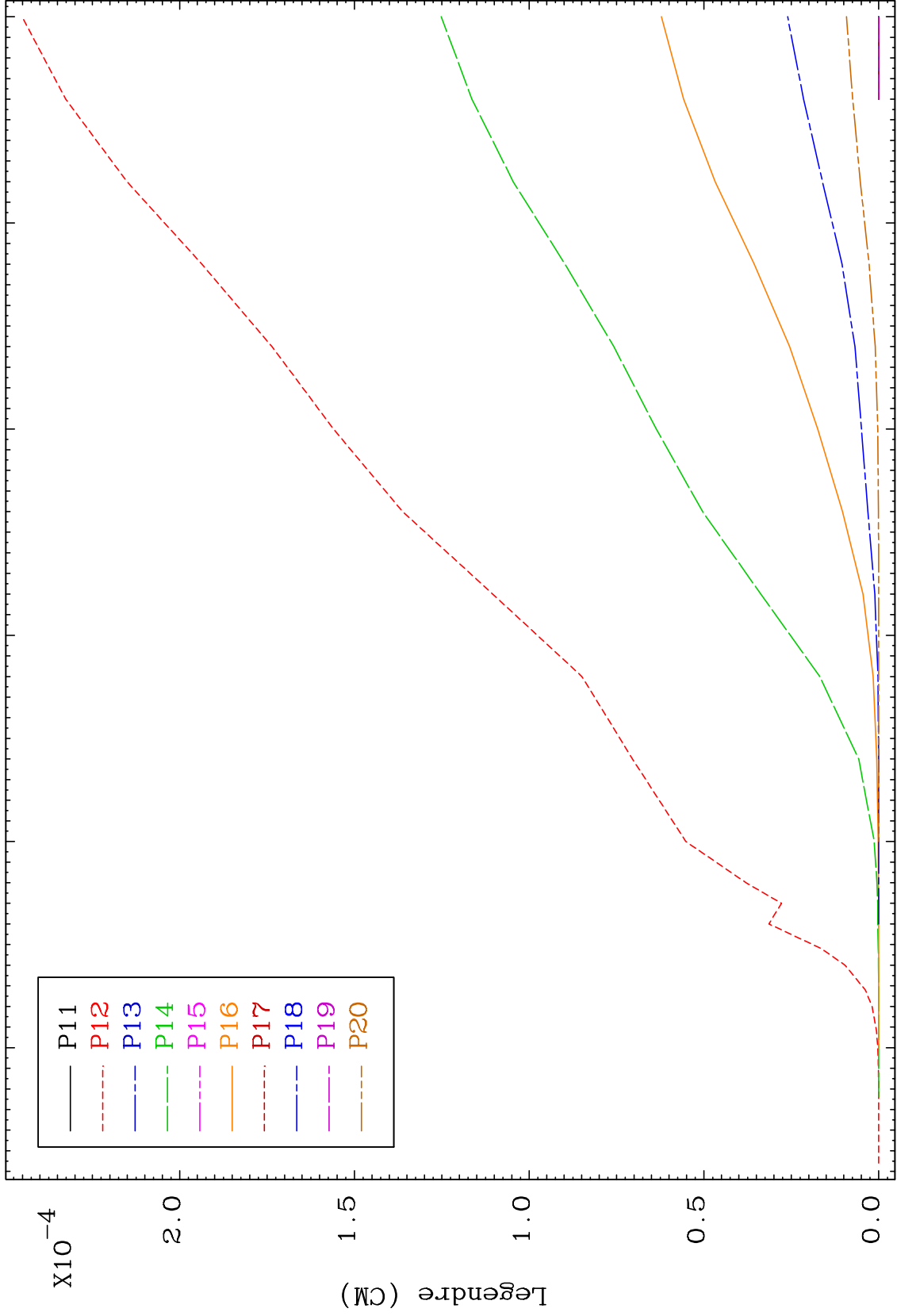
Incident Energy (MeV)

13

MAT 8181

Elastic Legendre Coefficients

82-Pb-189



14

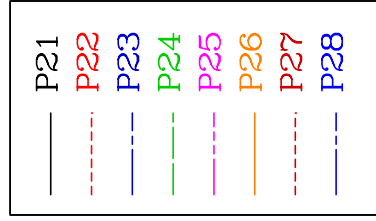
Incident Energy (MeV)

82-Pb-189

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Elastic  
Legendre Coefficients

82-Pb-189



$\times 10^{-6}$   
1.2

1.0

0.8

0.6

0.4

0.2

0.0

Legendre (CM)

15

20

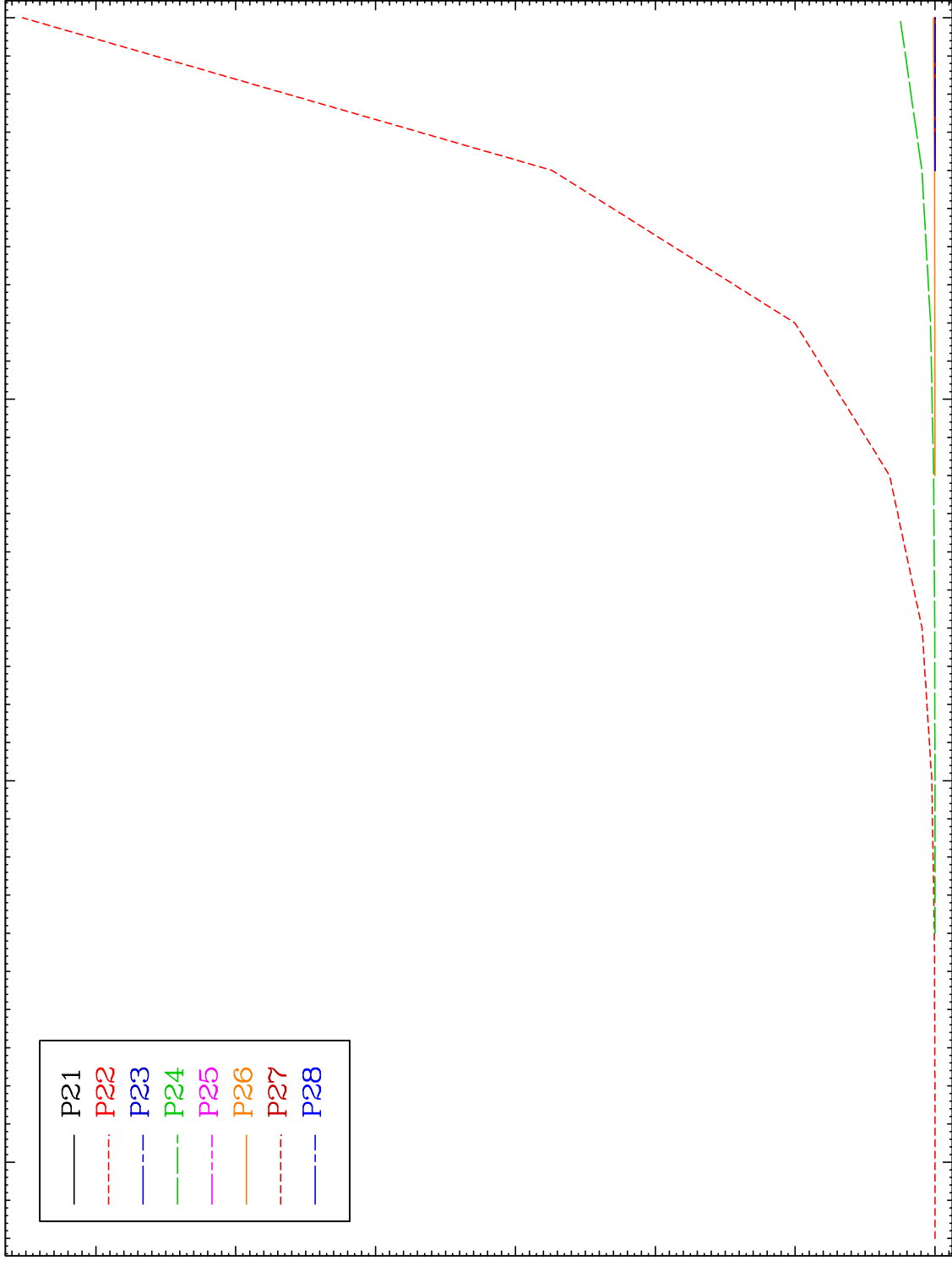
25

30

15

Incident Energy (MeV)

82-Pb-189



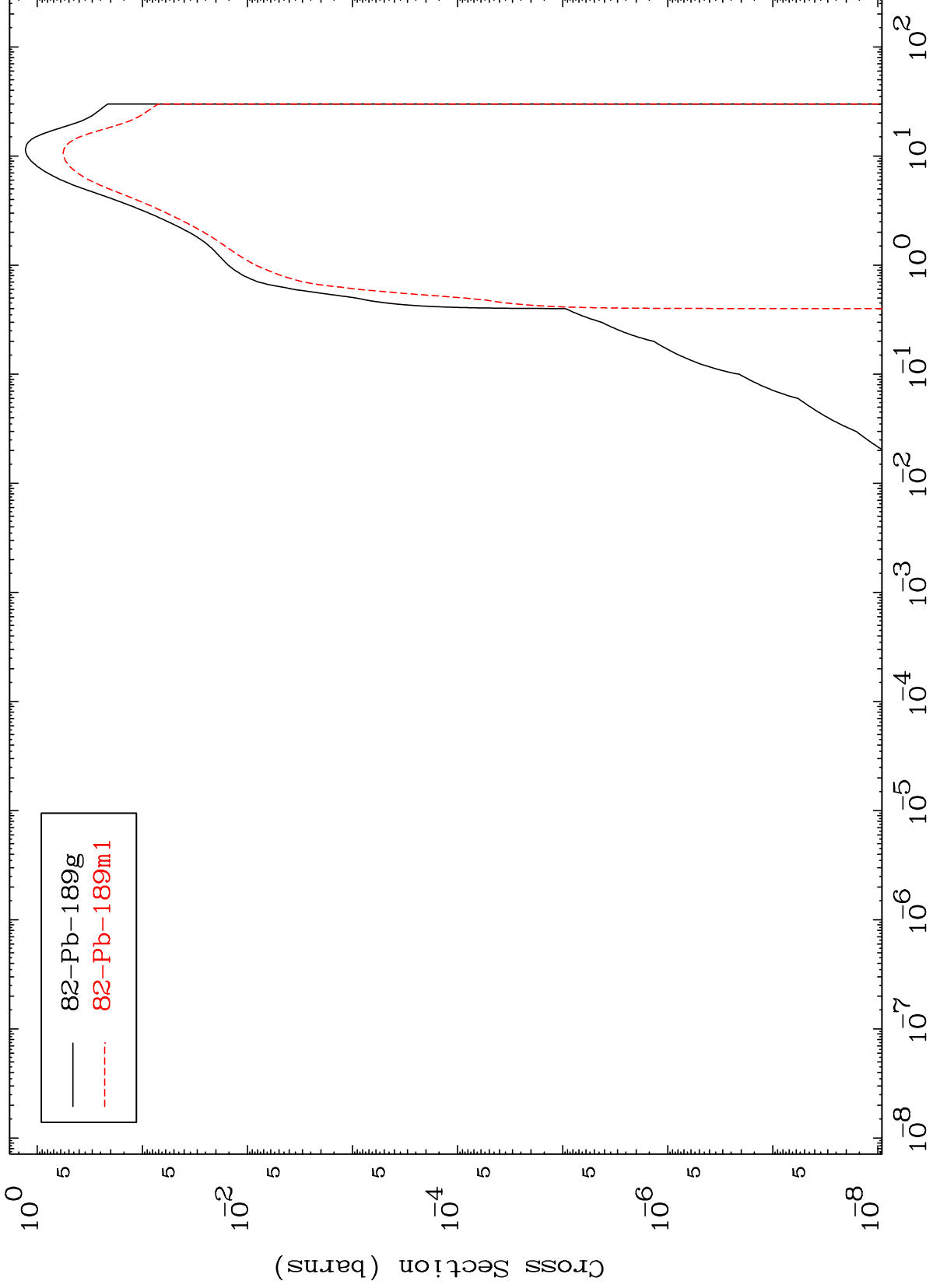


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Inelastic

82-Pb-189

Radionuclide Production Cross Section



82-Pb-189g  
82-Pb-189m1

Incident Energy (MeV)

82-Pb-189

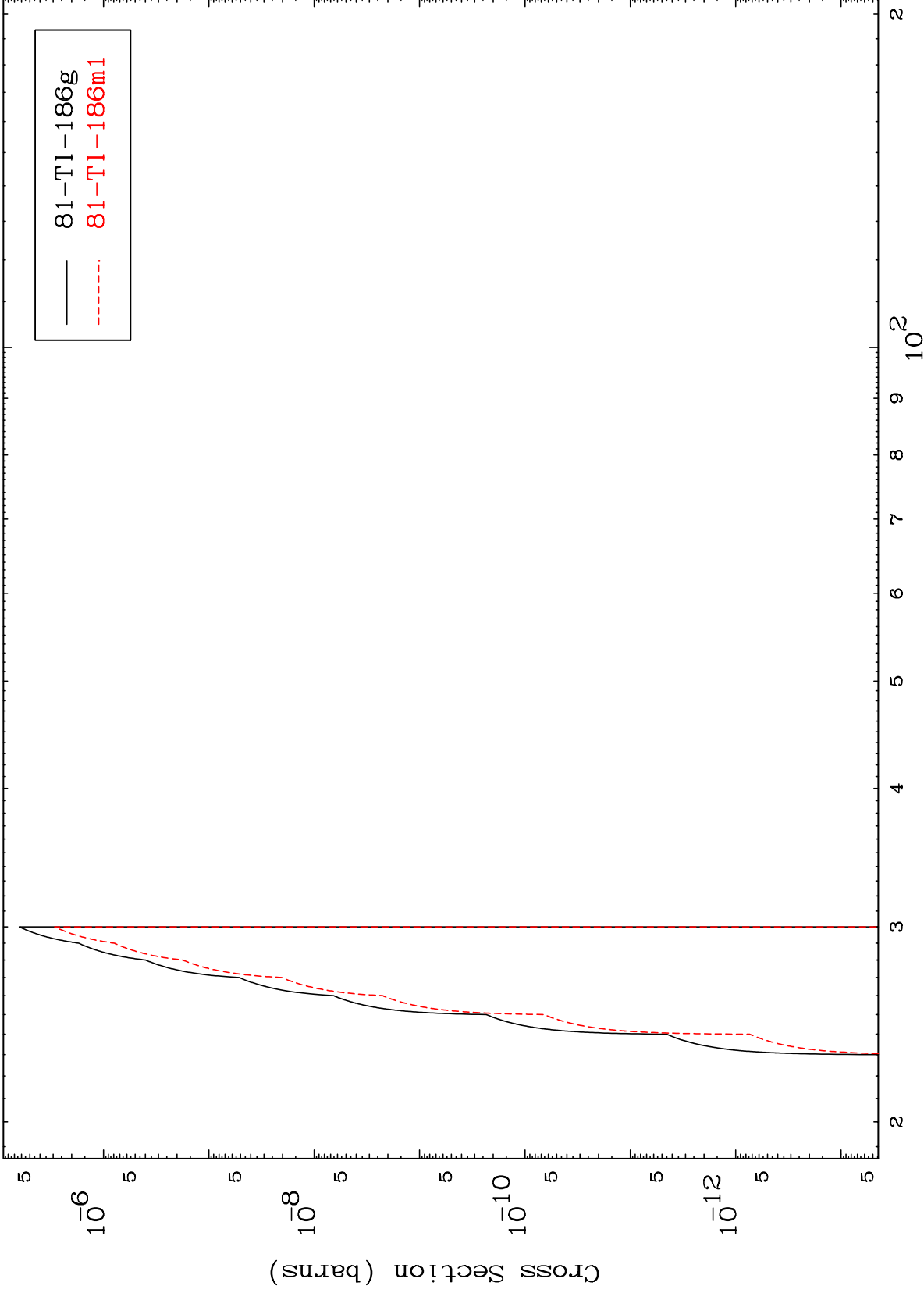
16

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(n,2n) d

82-Pb-189

Radionuclide Production Cross Section



17

Incident Energy (MeV)

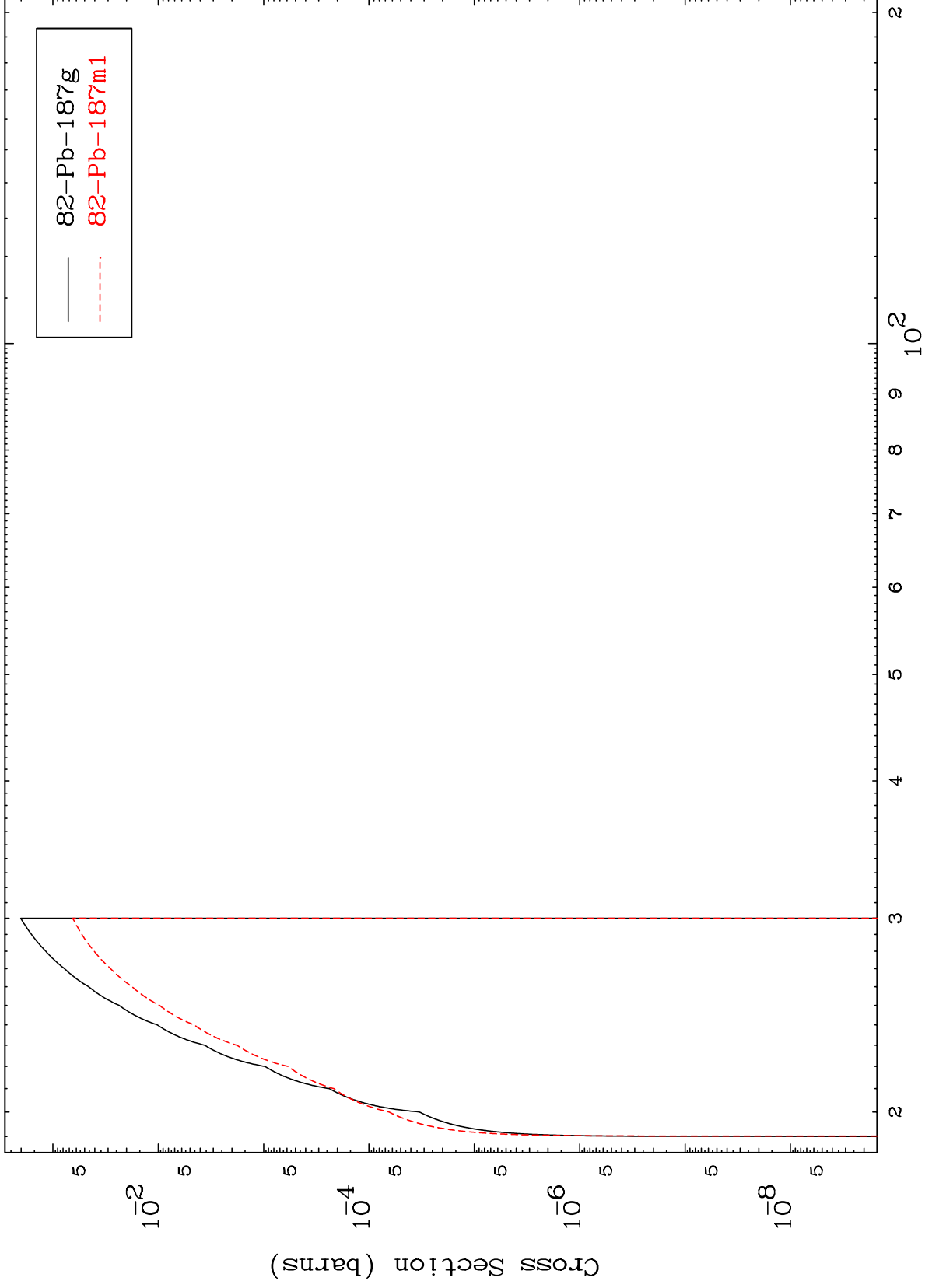
82-Pb-189

MAT 8181

(n,3n)

82-Pb-189

Radionuclide Production Cross Section



18

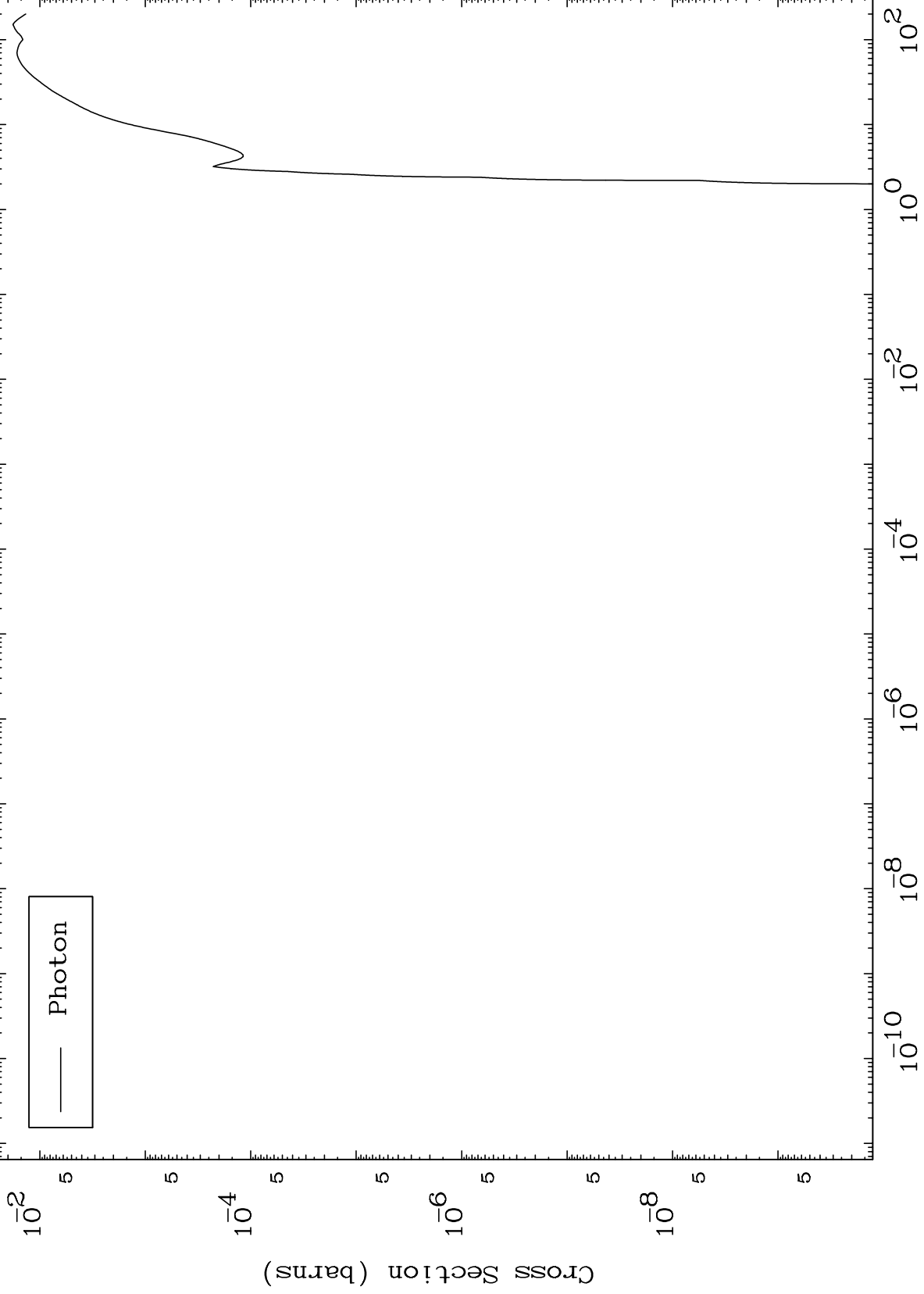
Incident Energy (MeV)

82-Pb-189

MAT 8181

Fission  
Radionuclide Production Cross Section

82-Pb-189



19

Incident Energy (MeV)

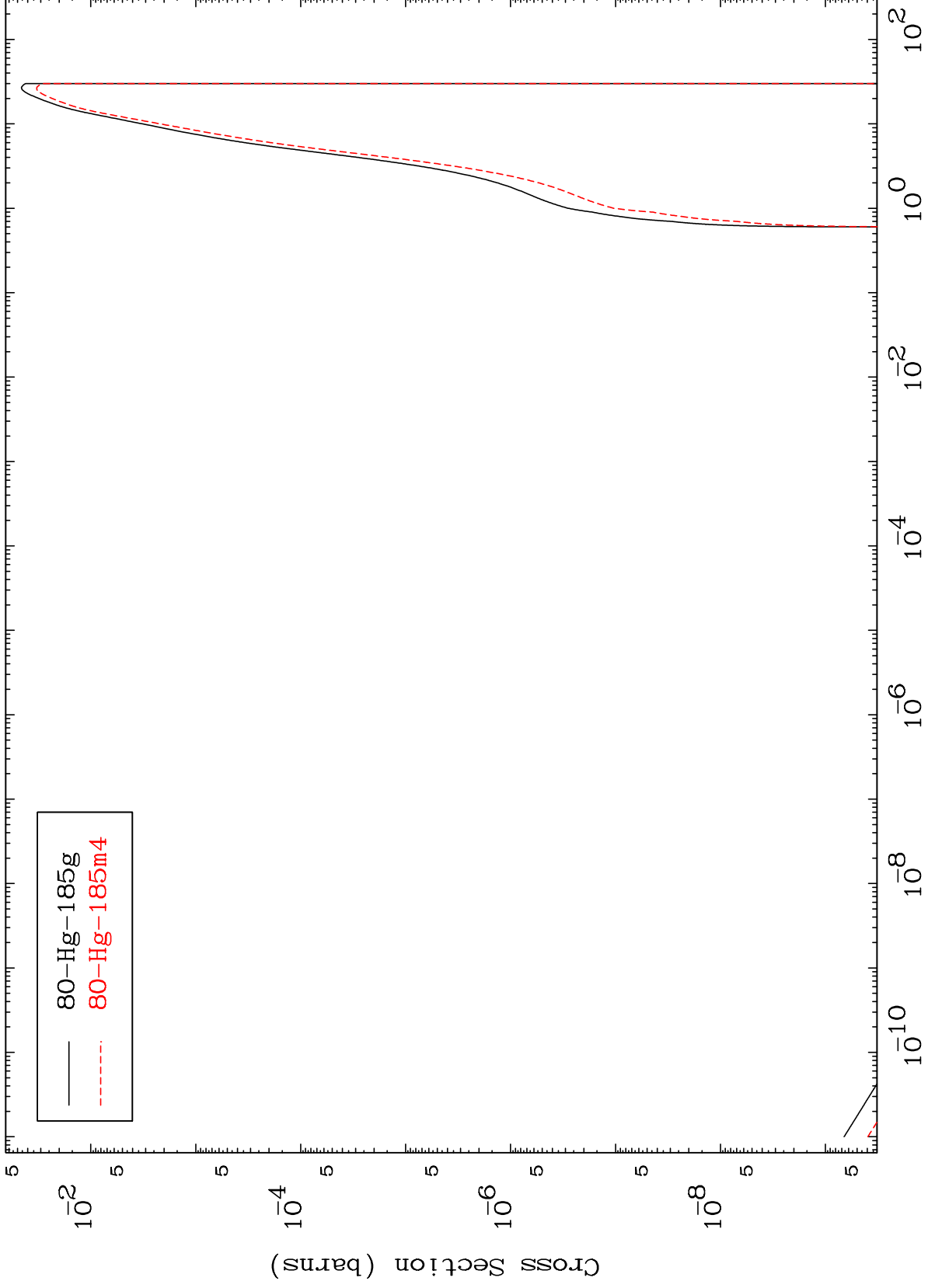
82-Pb-189

MAT 8181

$(n, n') \alpha$

82-Pb-189

Radionuclide Production Cross Section

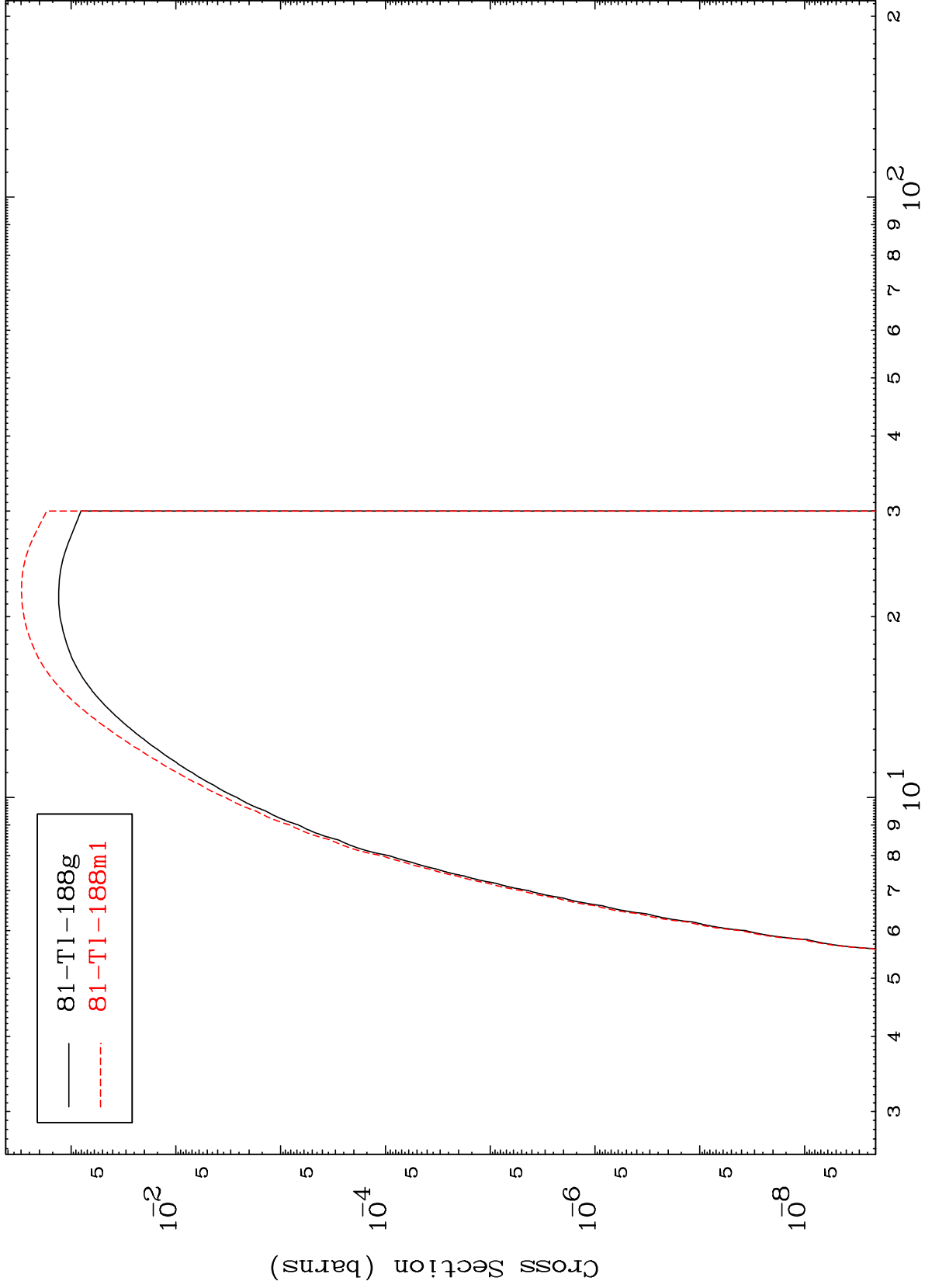


80-Hg-185g  
80-Hg-185m4

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82-Pb-189

(n,n') p  
Radionuclide Production Cross Section

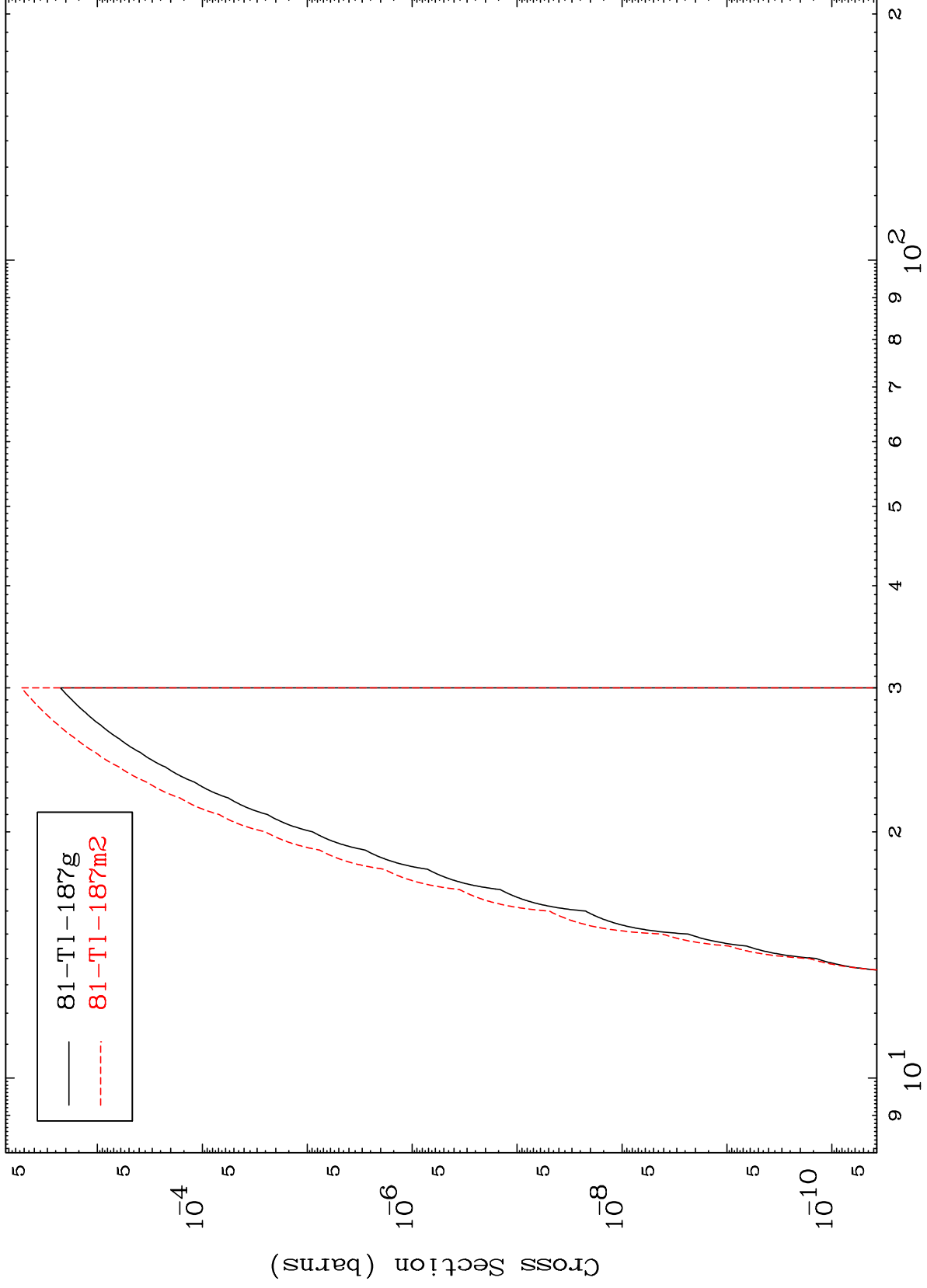


MAT 8181

(n,n') d

82-Pb-189

Radionuclide Production Cross Section

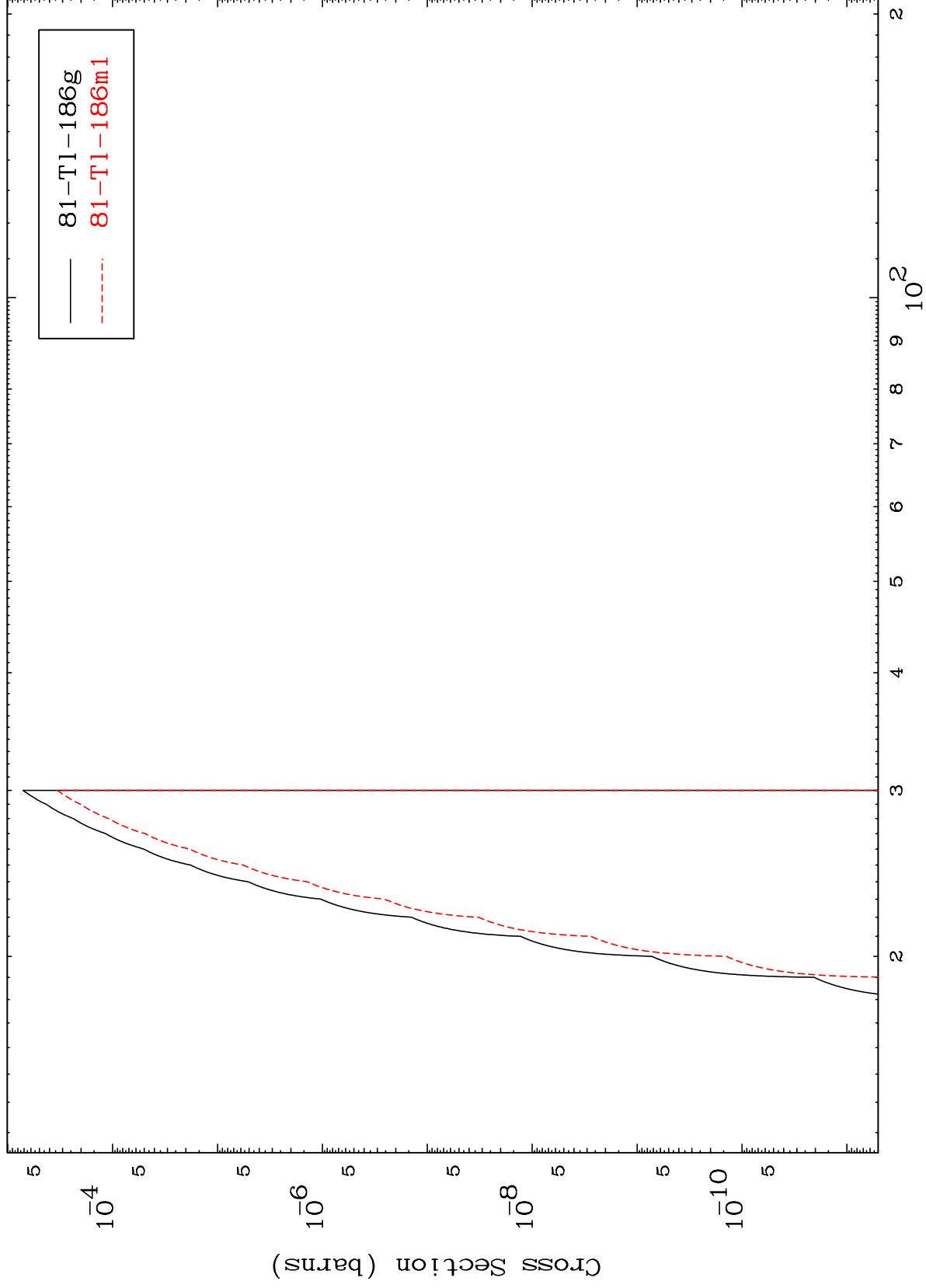


22

Incident Energy (MeV)

82-Pb-189

Radionuclide Production Cross Section



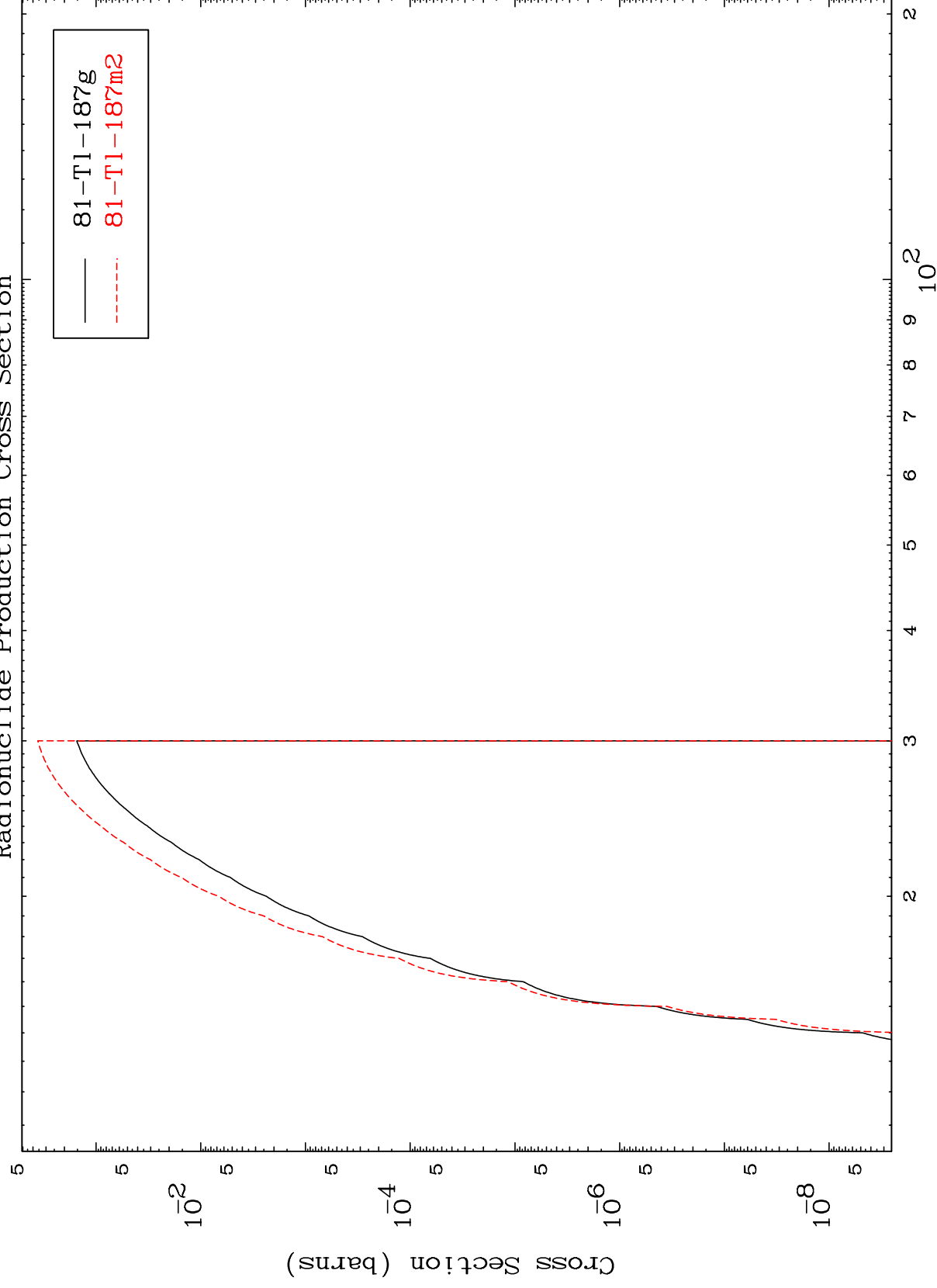


MAT 8181

(n,2n) p

82-Pb-189

Radionuclide Production Cross Section

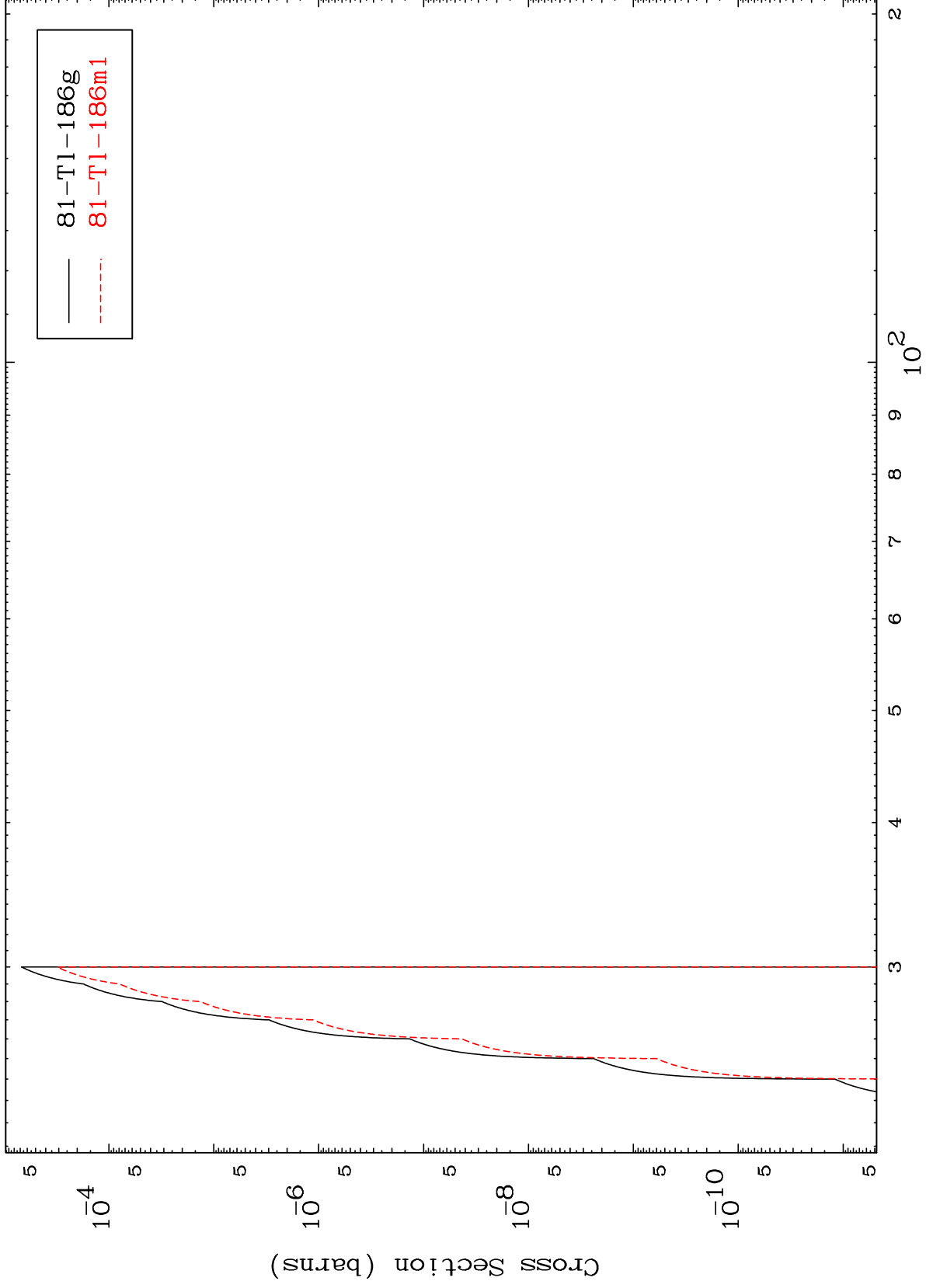


24

Incident Energy (MeV)

82-Pb-189

Radionuclide Production Cross Section

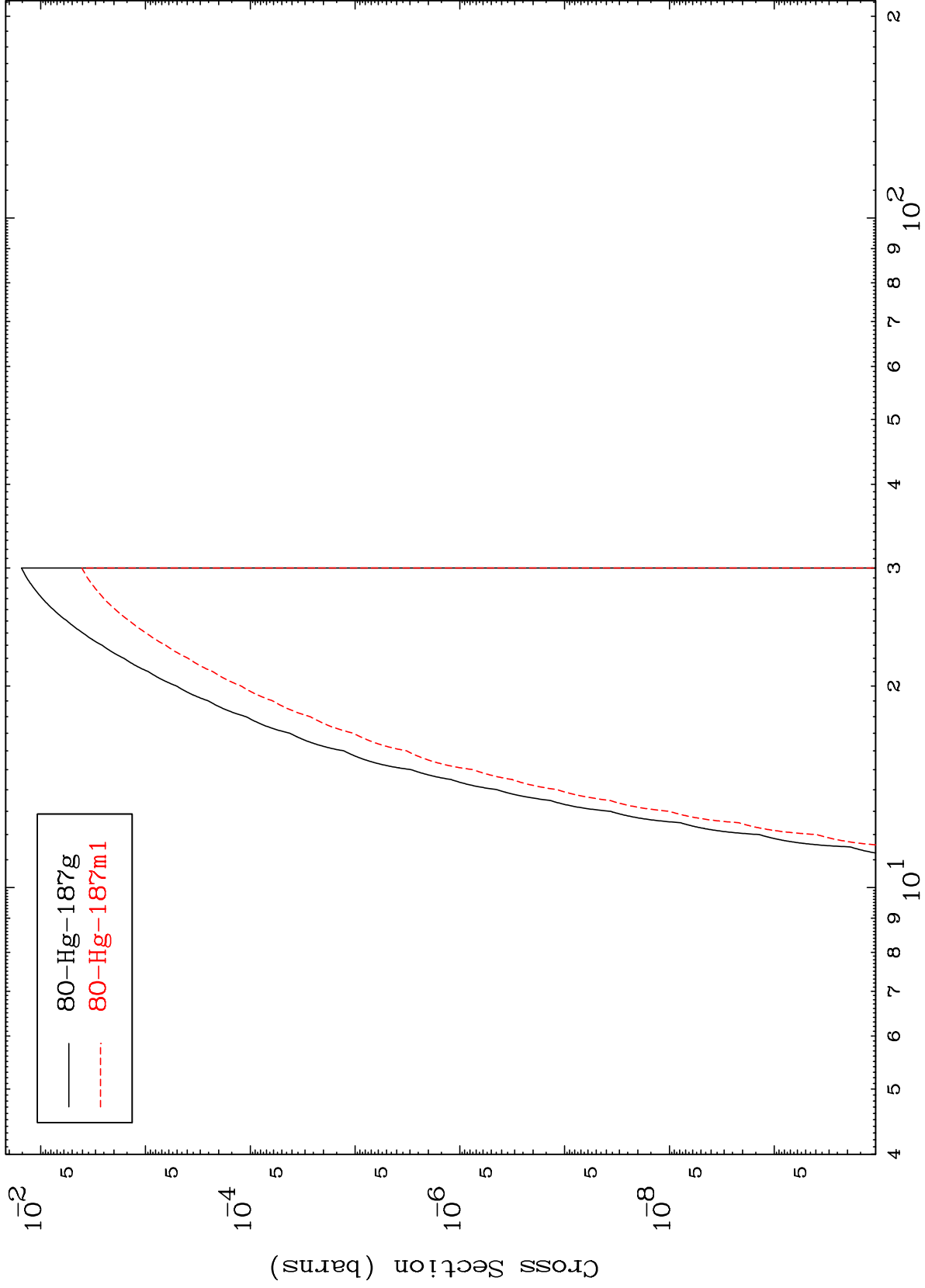


MAT 8181

(n,2n) p

82-Pb-189

Radionuclide Production Cross Section



80-Hg-187g  
80-Hg-187m1

26

Incident Energy (MeV)

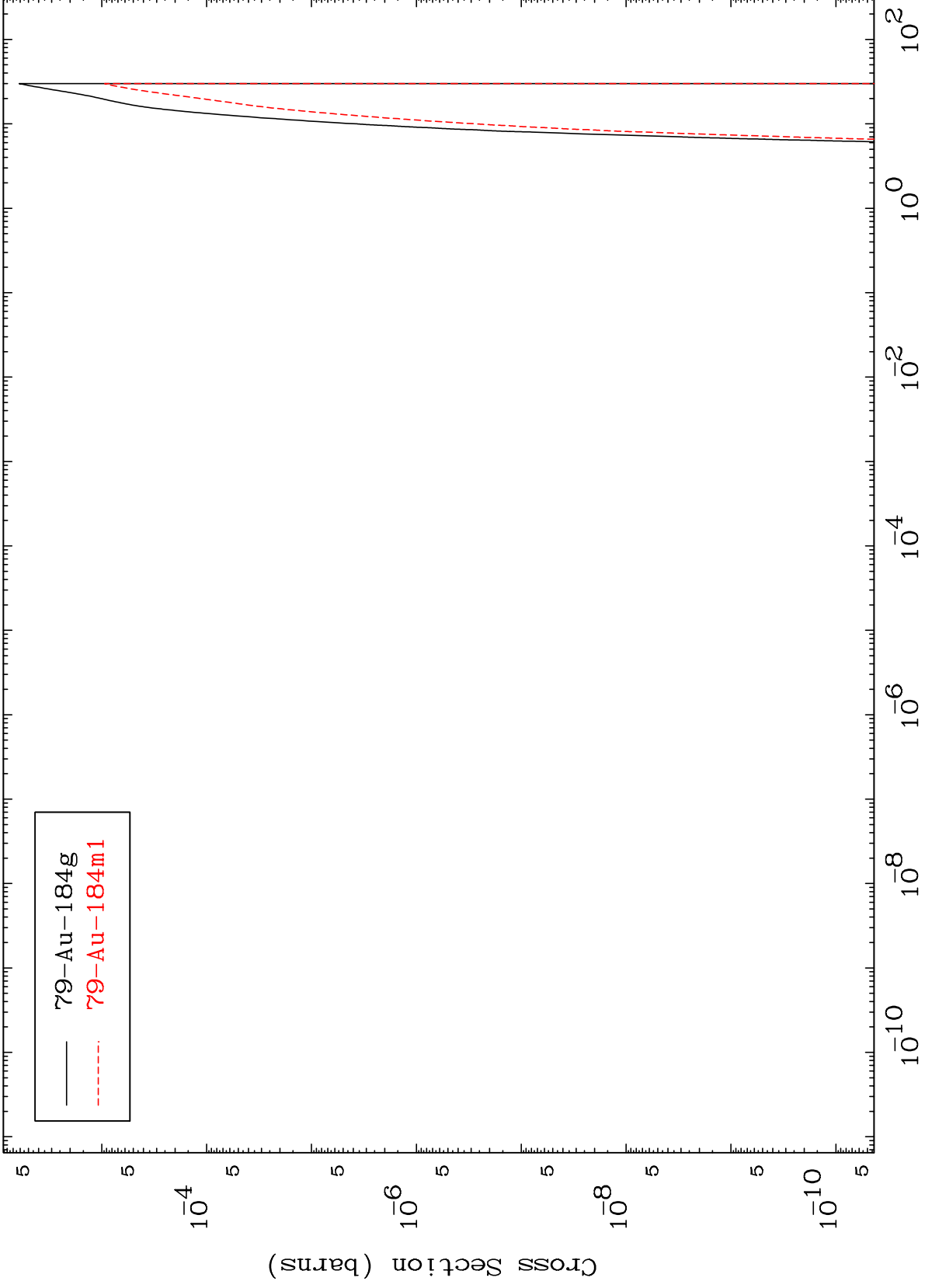
82-Pb-189

MAT 8181

(n,n') p  $\alpha$

82-Pb-189

Radionuclide Production Cross Section



27

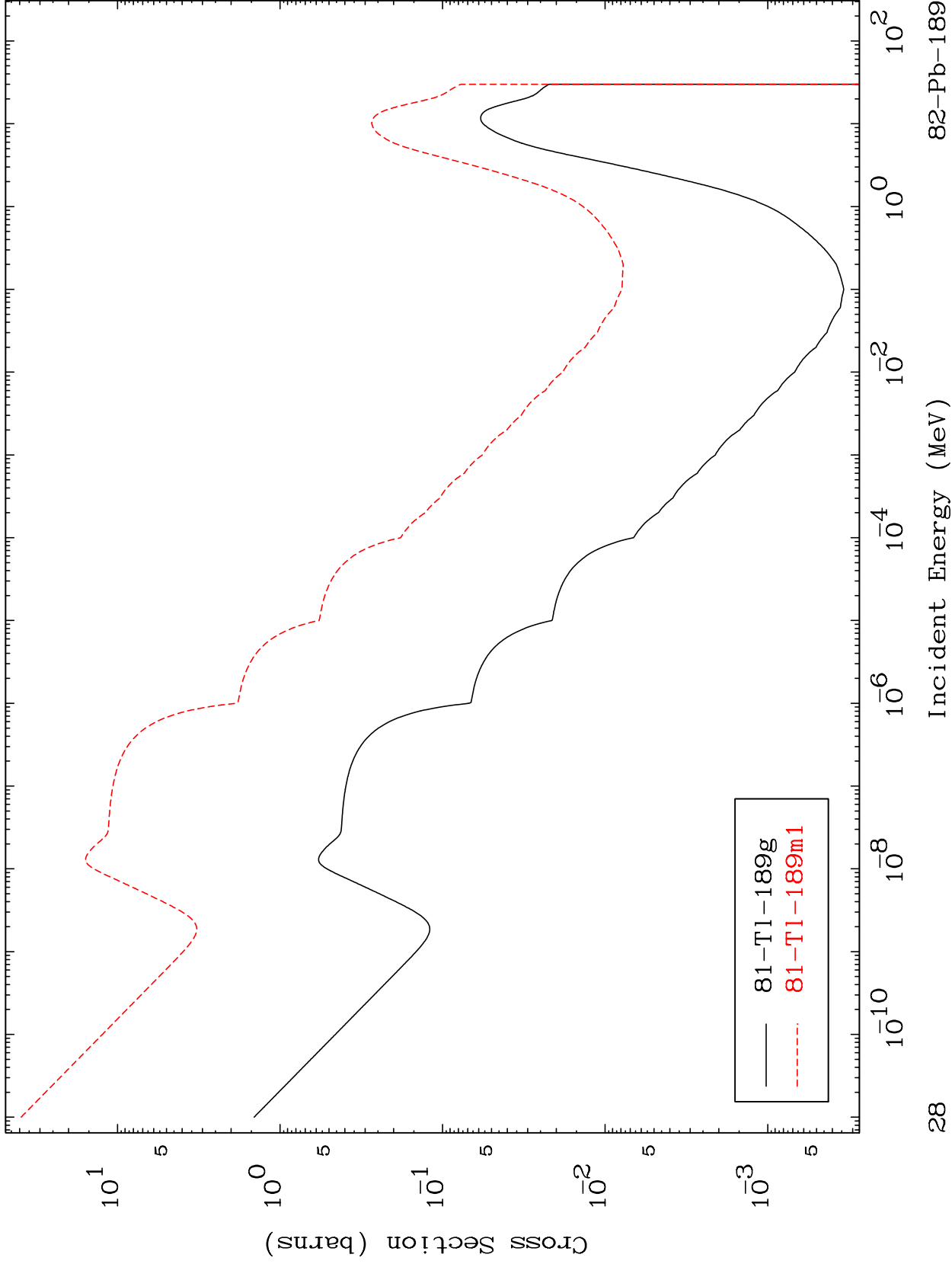
Incident Energy (MeV)

82-Pb-189

MAT 8181

82-Pb-189

(n,p)  
Radionuclide Production Cross Section

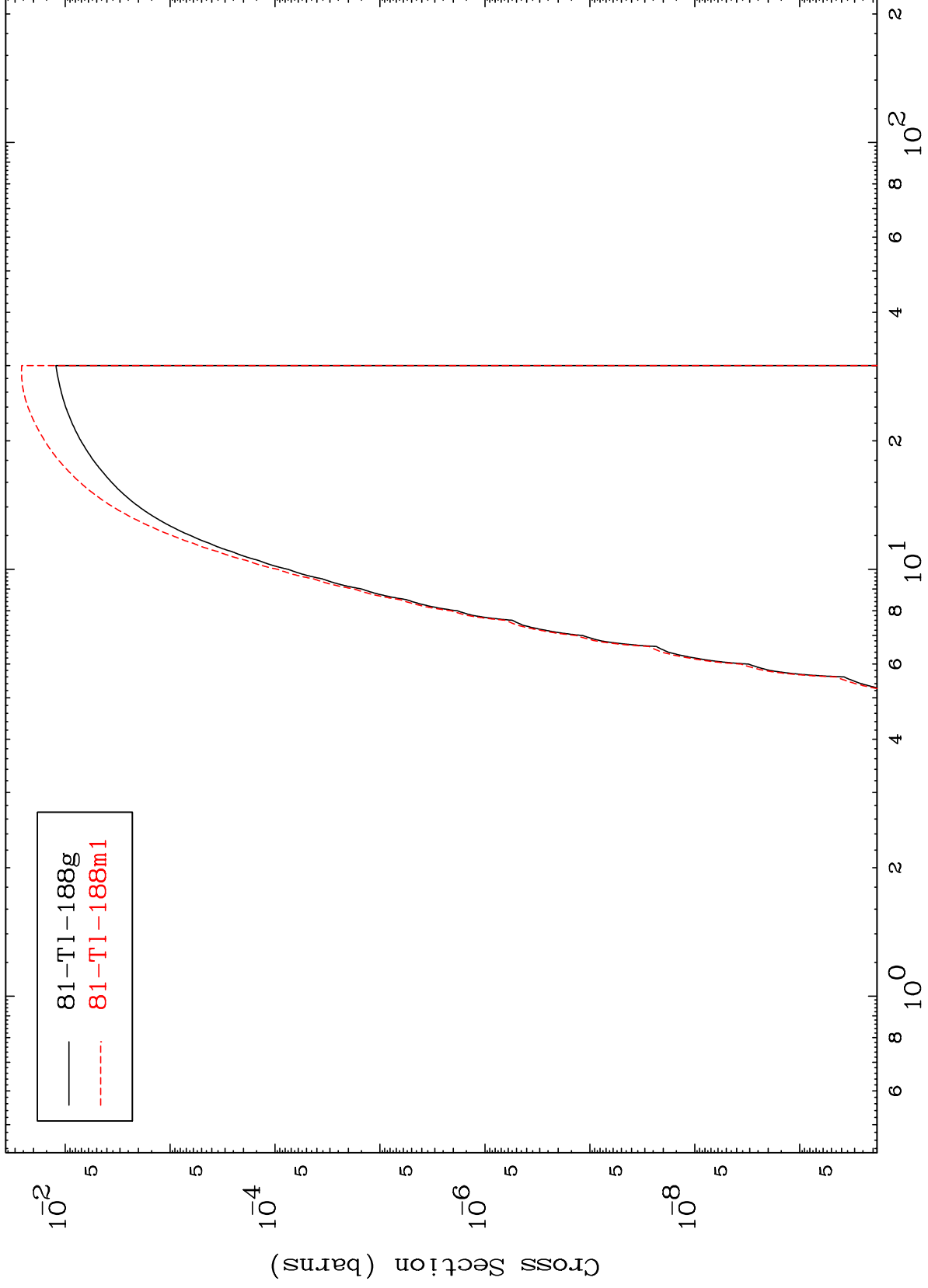


MAT 8181

(n,d)

82-Pb-189

Radionuclide Production Cross Section



29

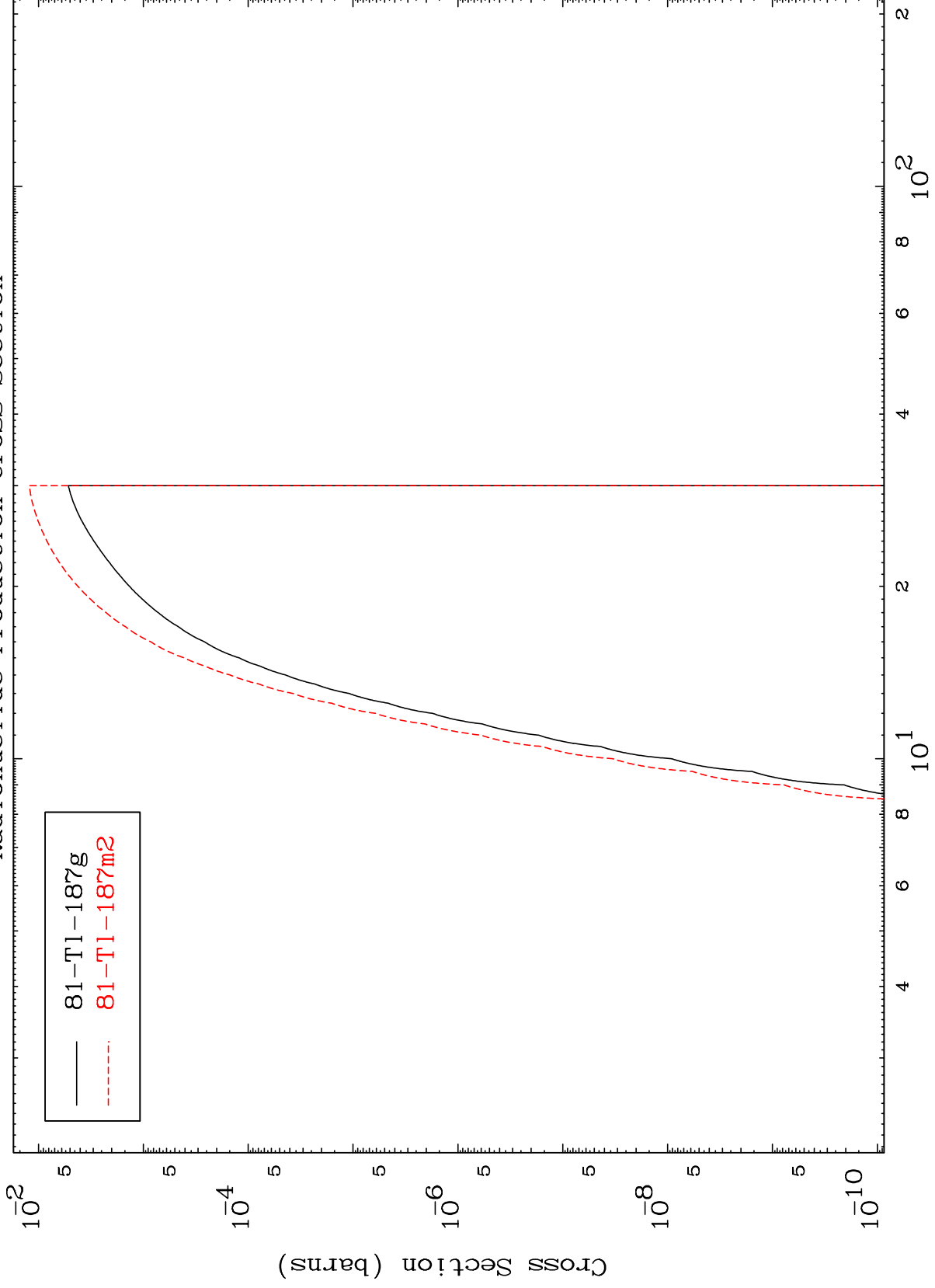
Incident Energy (MeV)

82-Pb-189

MAT 8181

82-Pb-189

(n, t)  
Radionuclide Production Cross Section



30

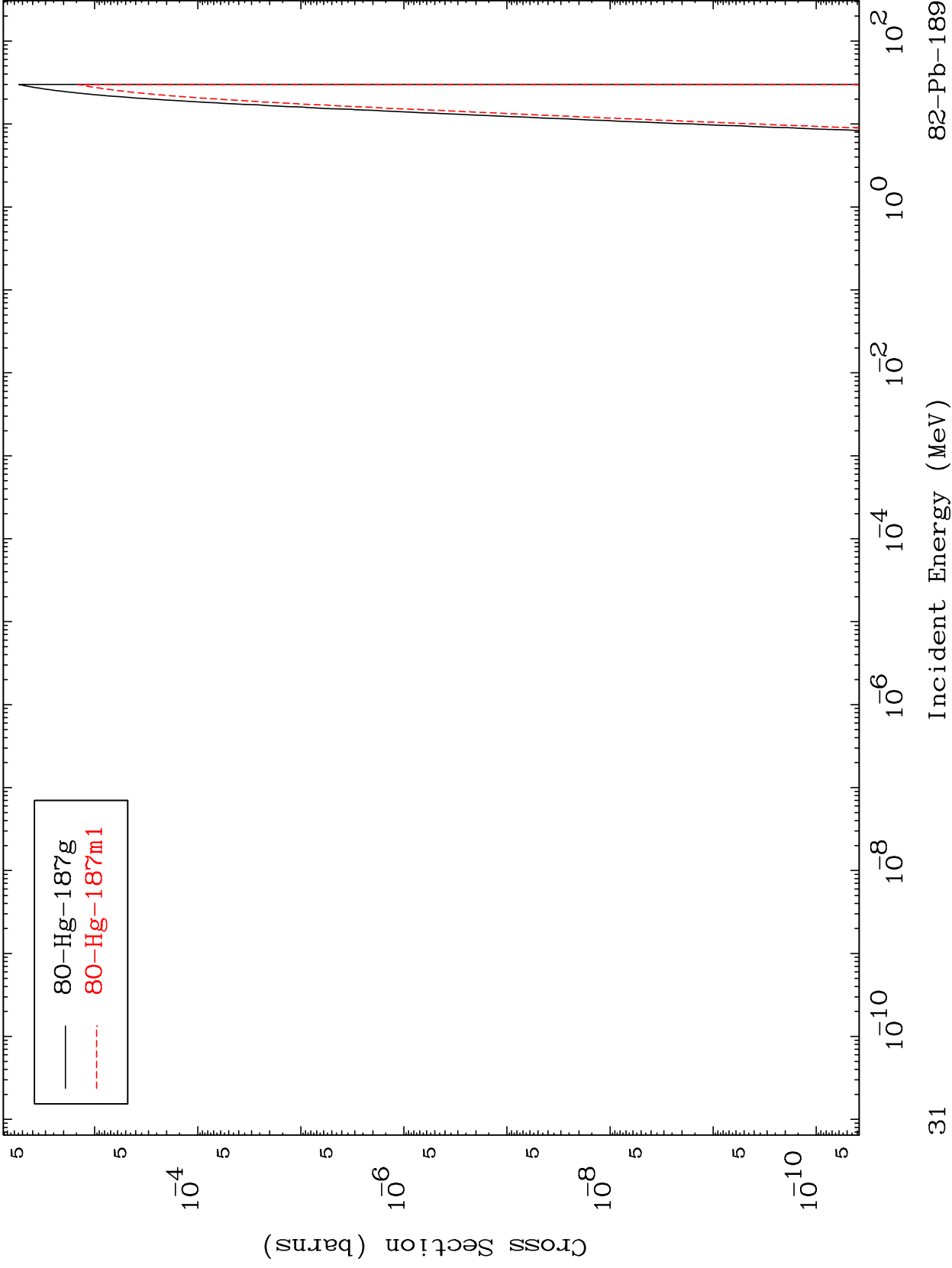
82-Pb-189

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(n,He-3)

82-Pb-189

Radionuclide Production Cross Section



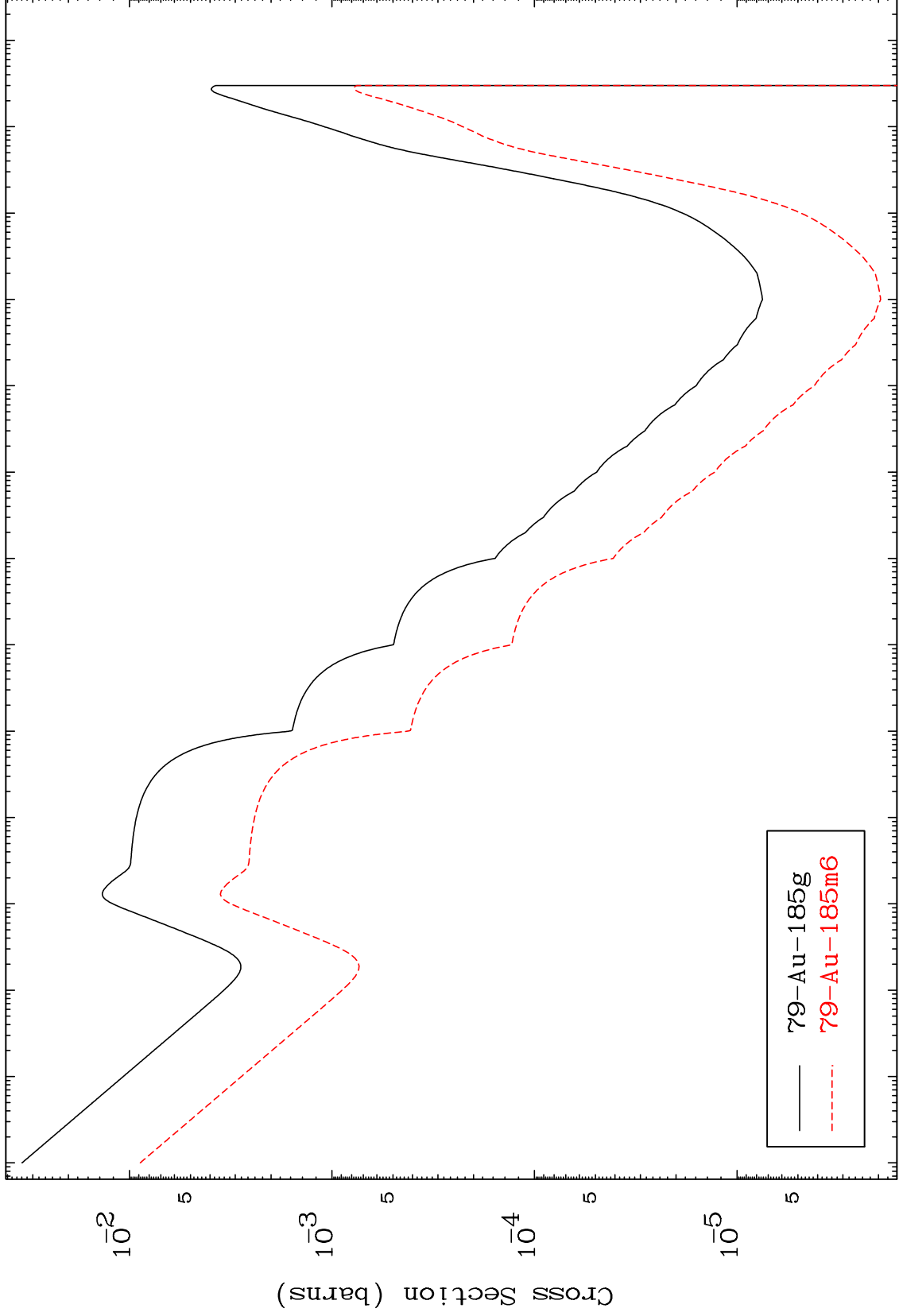


MAT 8181

(n,p)  $\alpha$

82-Pb-189

Radionuclide Production Cross Section



82-Pb-189

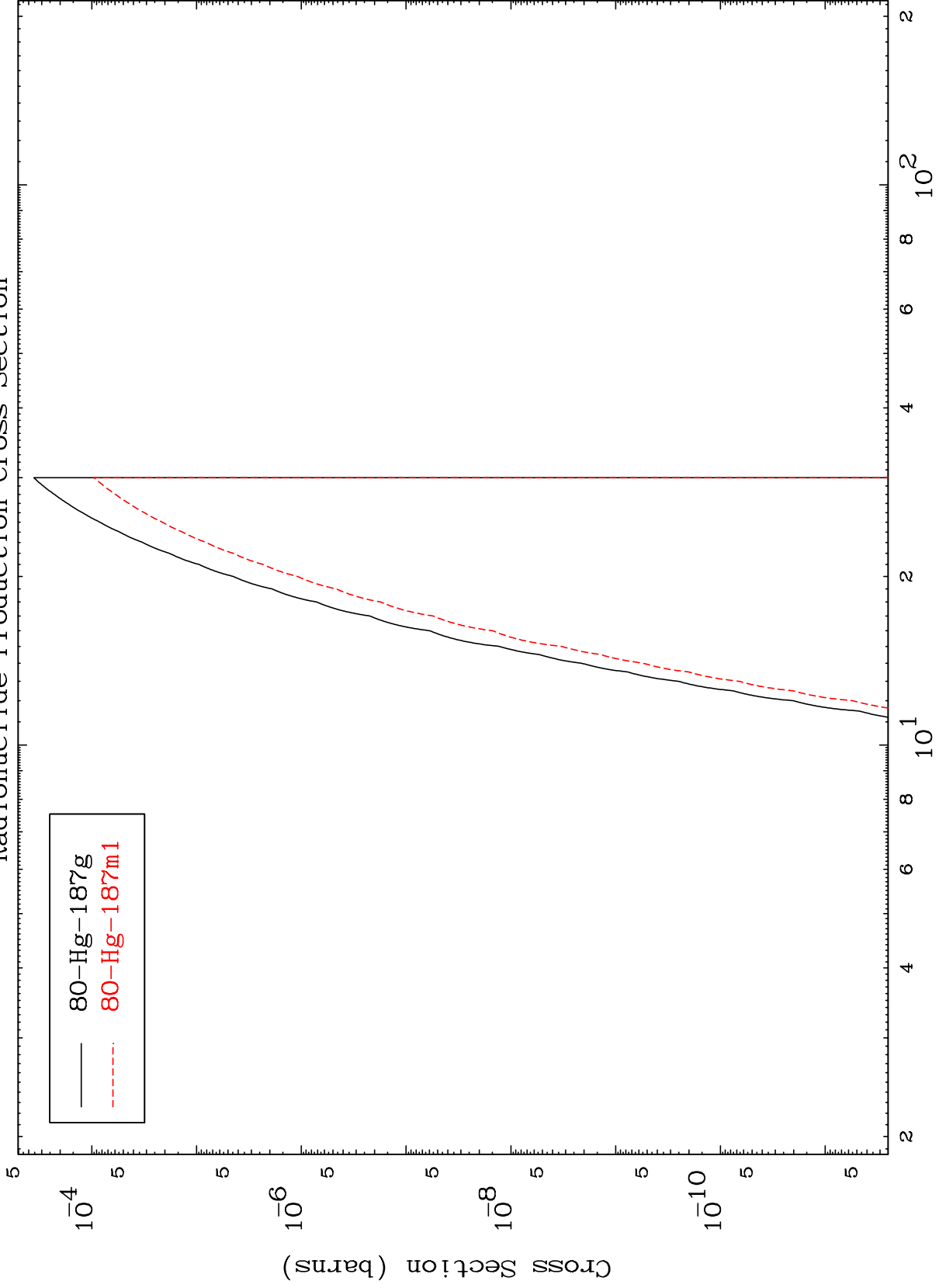
Incident Energy (MeV)

MAT 8181

(n,p) d

82-Pb-189

Radionuclide Production Cross Section



33

Incident Energy (MeV)

82-Pb-189

MAT 8181

(n,d)  $\alpha$

82-Pb-189

Radionuclide Production Cross Section

