

Program EVALPLOT
(Version 2021-1)

by

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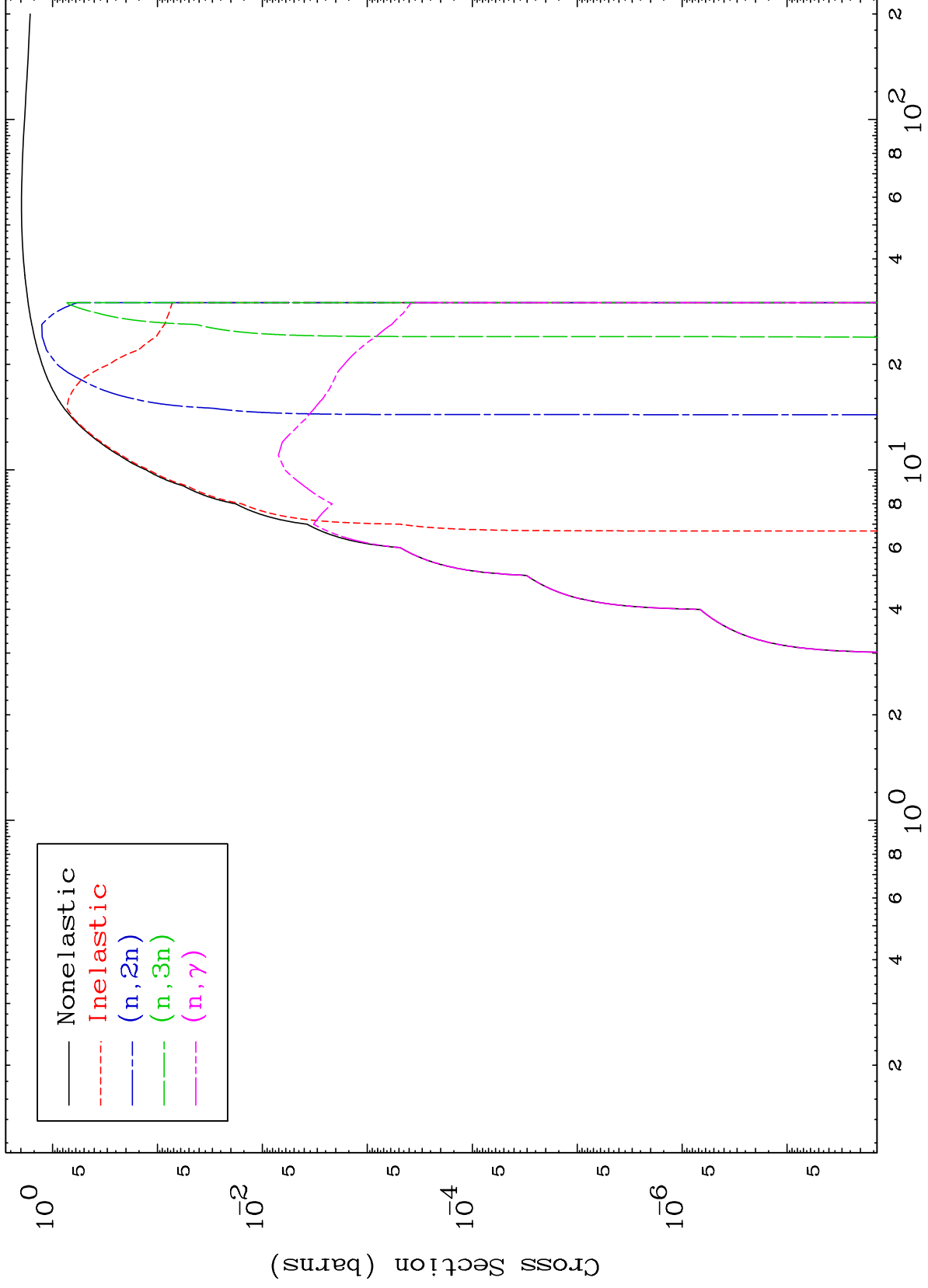
Press Mouse Button to Start

MAT 8213

Proton Major

82-Pb-200

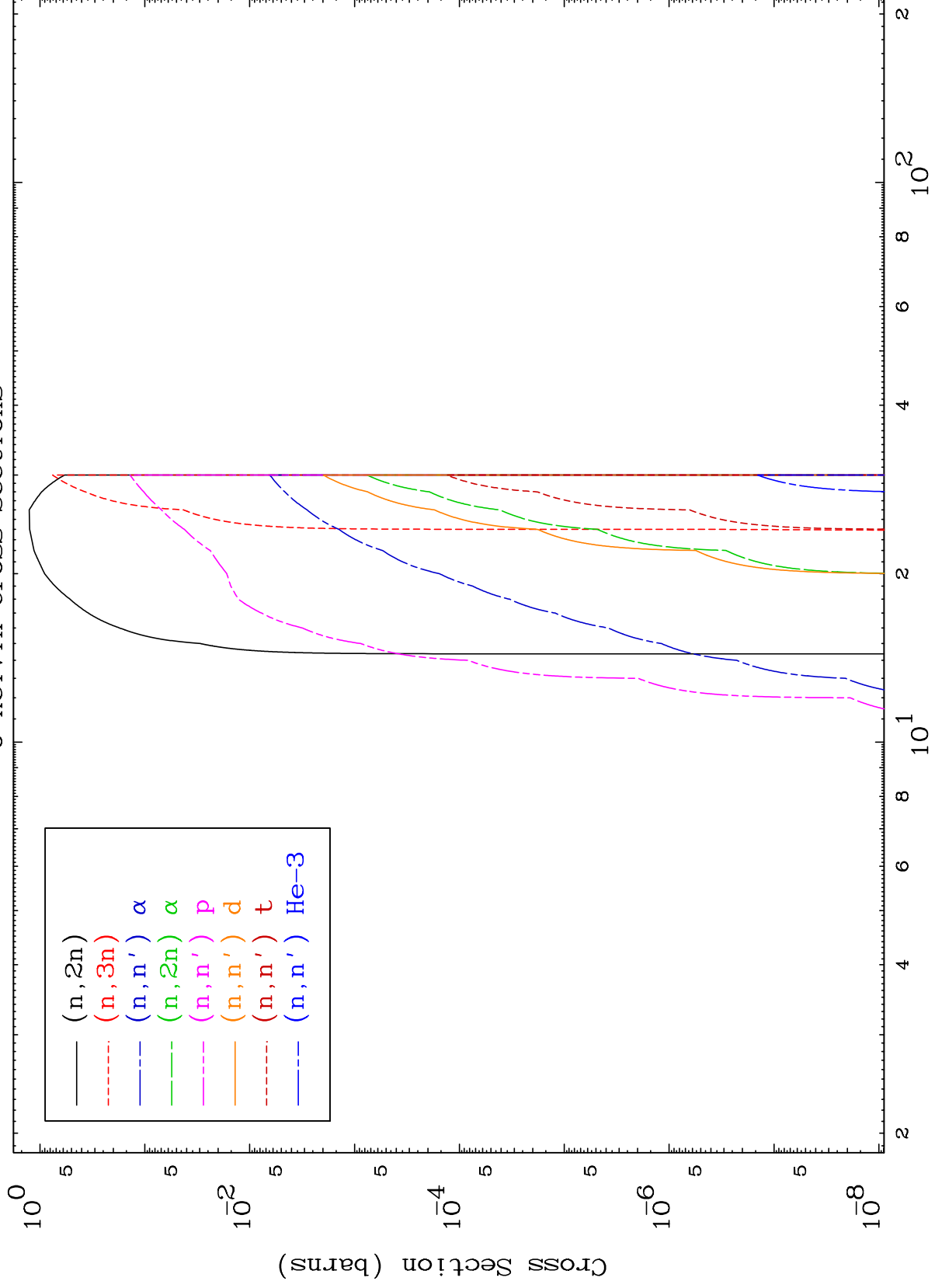
0 Kelvin Cross Sections



MAT 8213

Proton Neutron Absorption
0 Kelvin Cross Sections

82-Pb-200



2

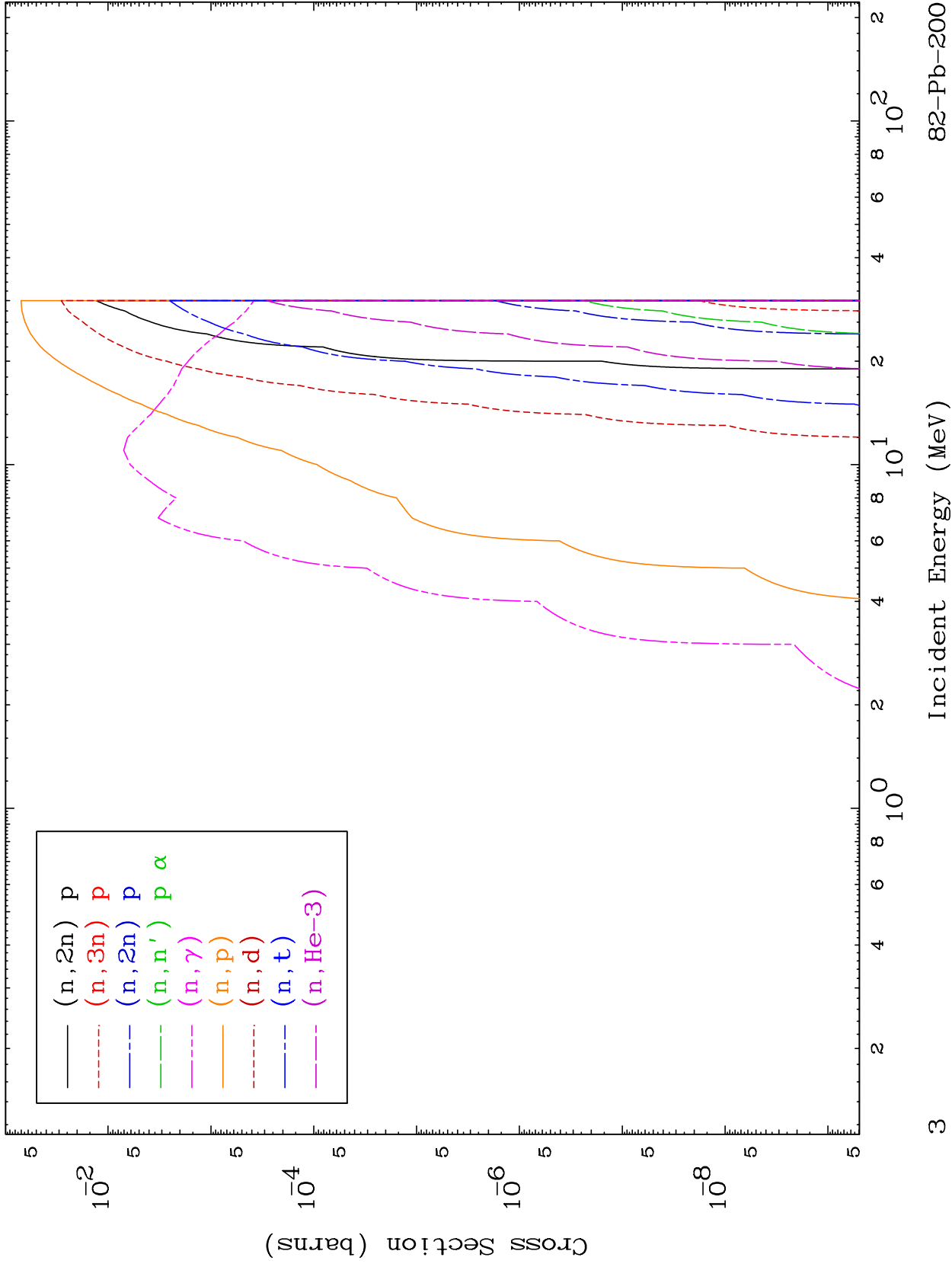
Incident Energy (MeV)

82-Pb-200

MAT 8213

Proton Neutron Absorption
0 Kelvin Cross Sections

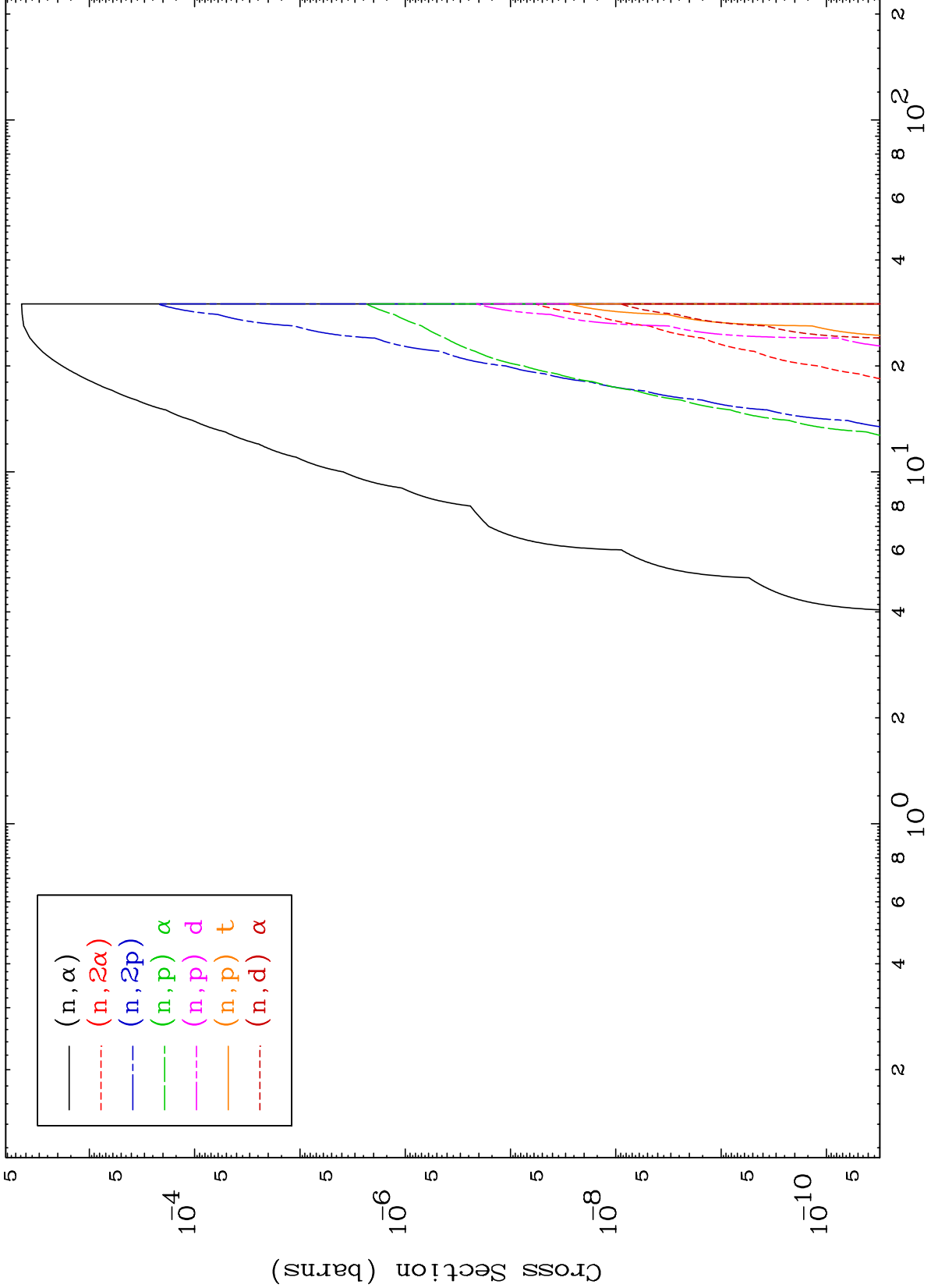
82-Pb-200



MAT 8213

Proton Neutron Absorption
0 Kelvin Cross Sections

82-Pb-200



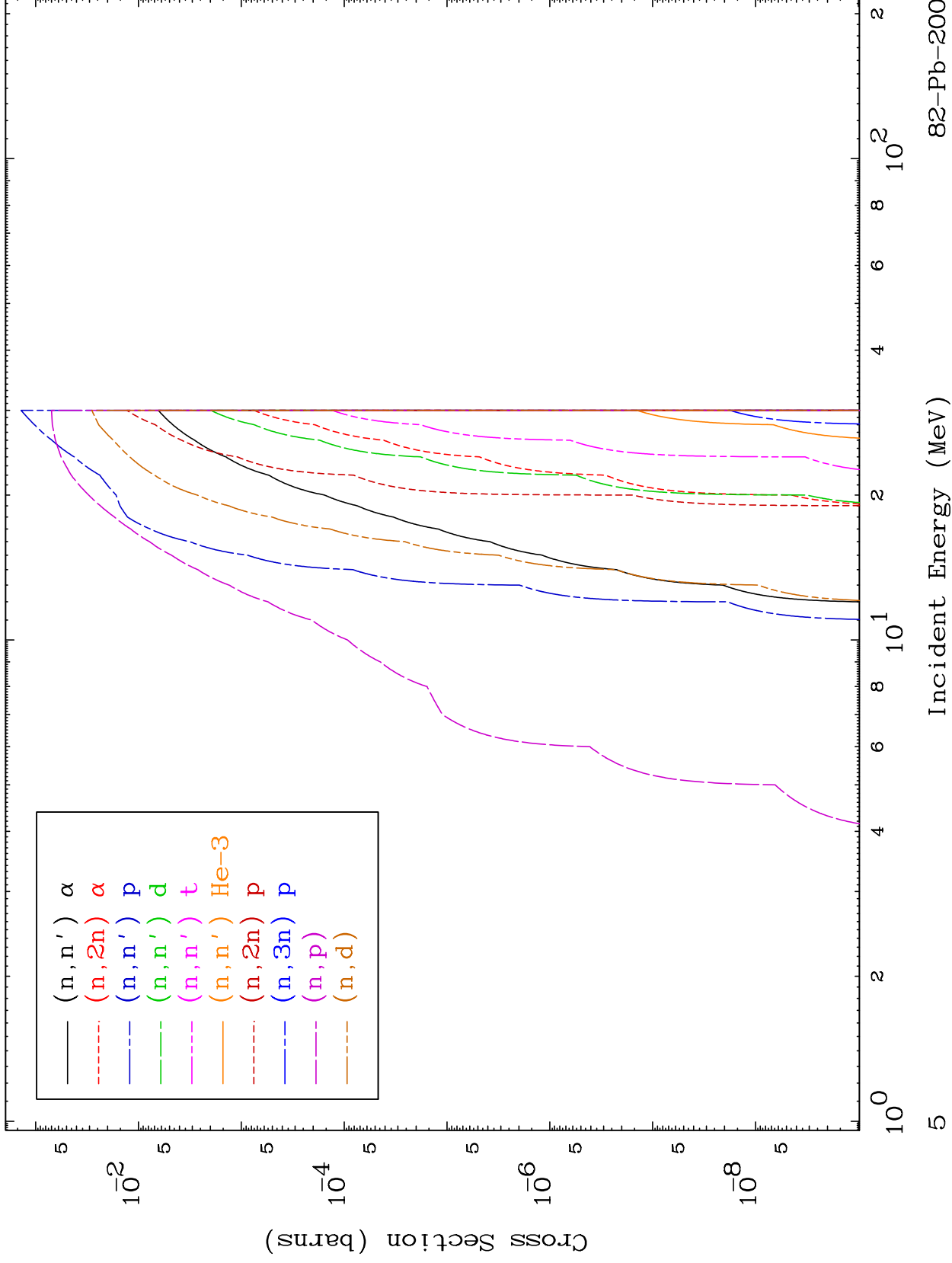
82-Pb-200

Incident Energy (MeV)

MAT 8213

Proton Charged Particle
0 Kelvin Cross Sections

82-Pb-200



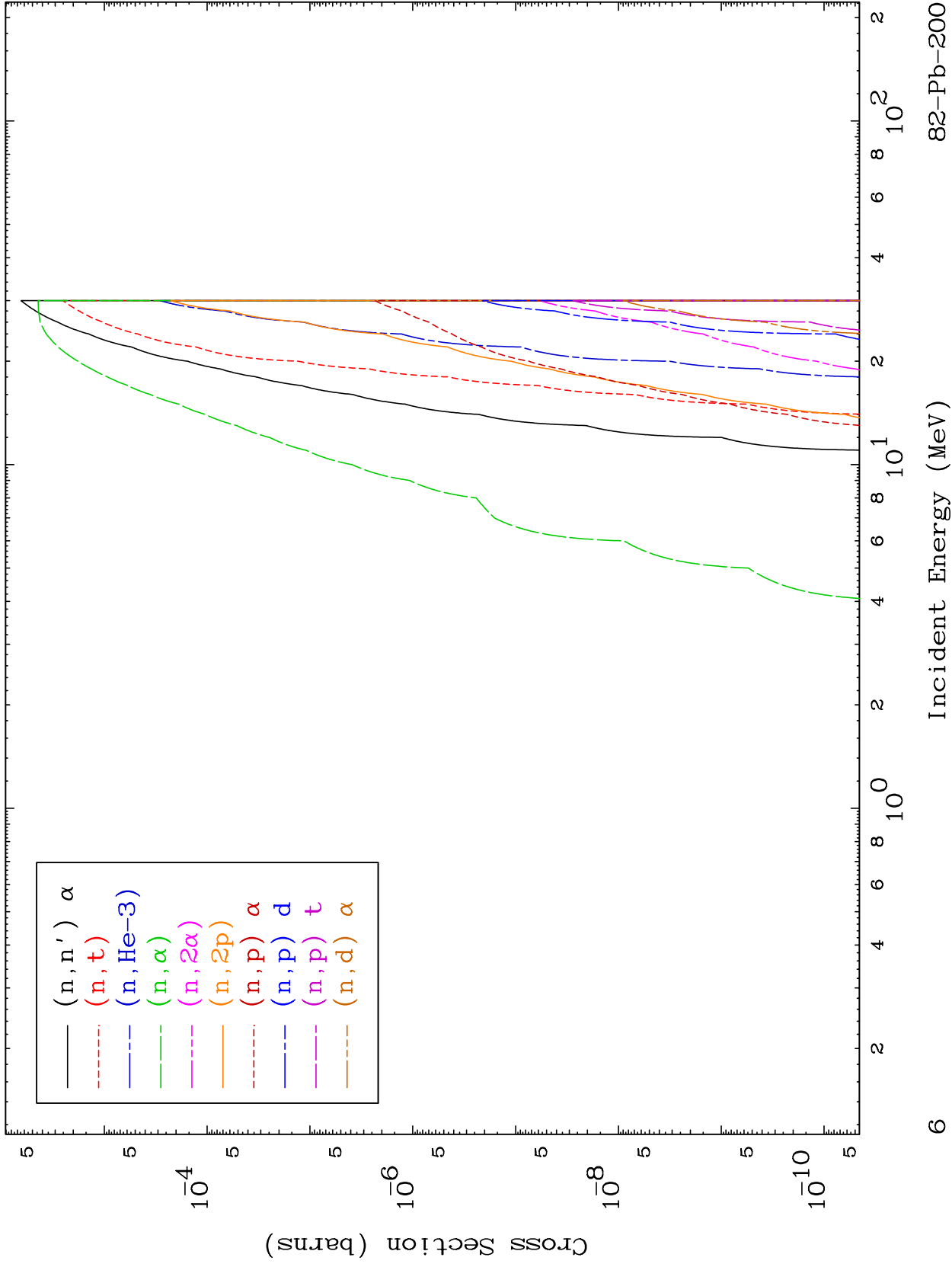
Incident Energy (MeV)

82-Pb-200

MAT 8213

Proton Charged Particle
0 Kelvin Cross Sections

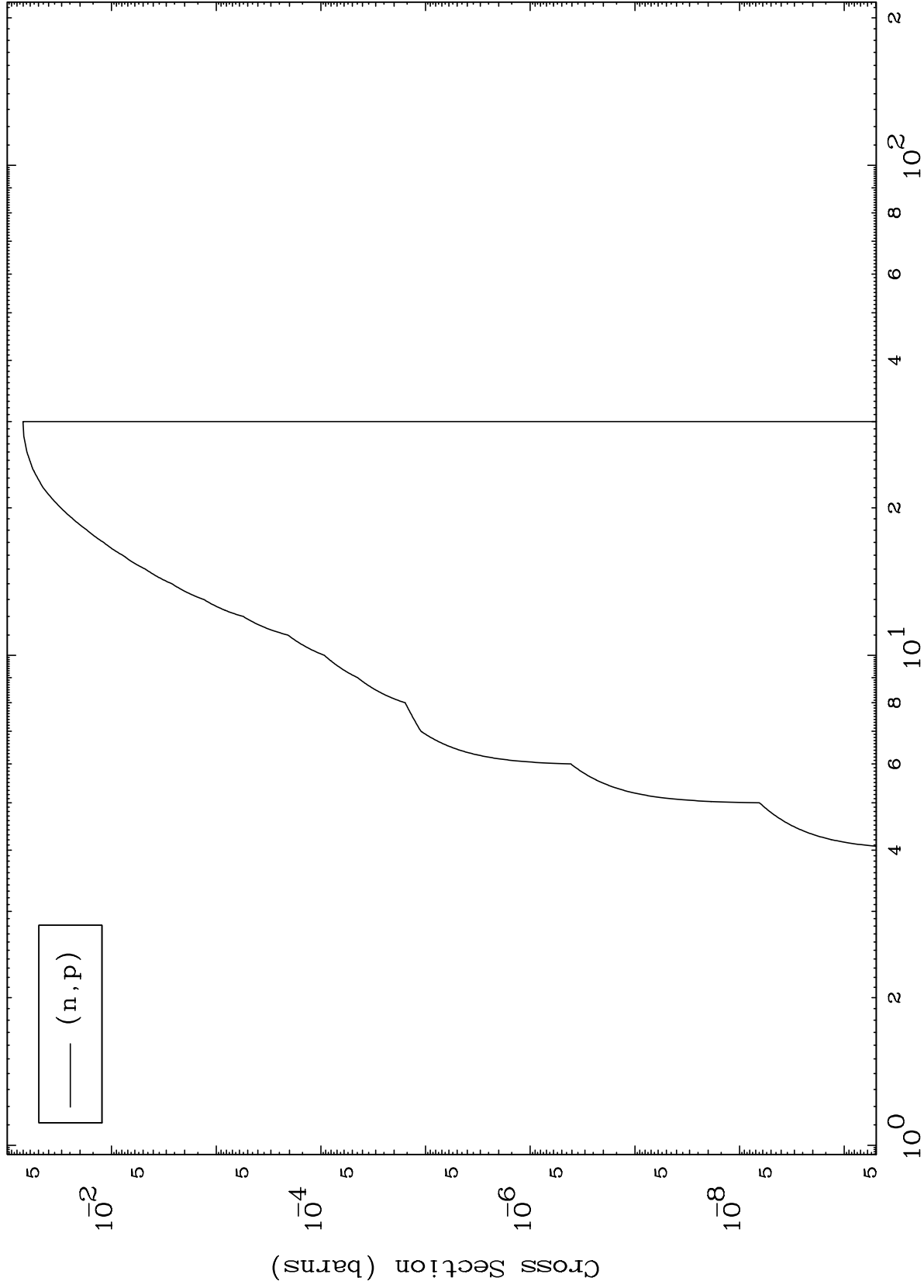
82-Pb-200



MAT 8213

(p,p) Levels
0 Kelvin Cross Sections

82-Pb-200



Incident Energy (MeV)

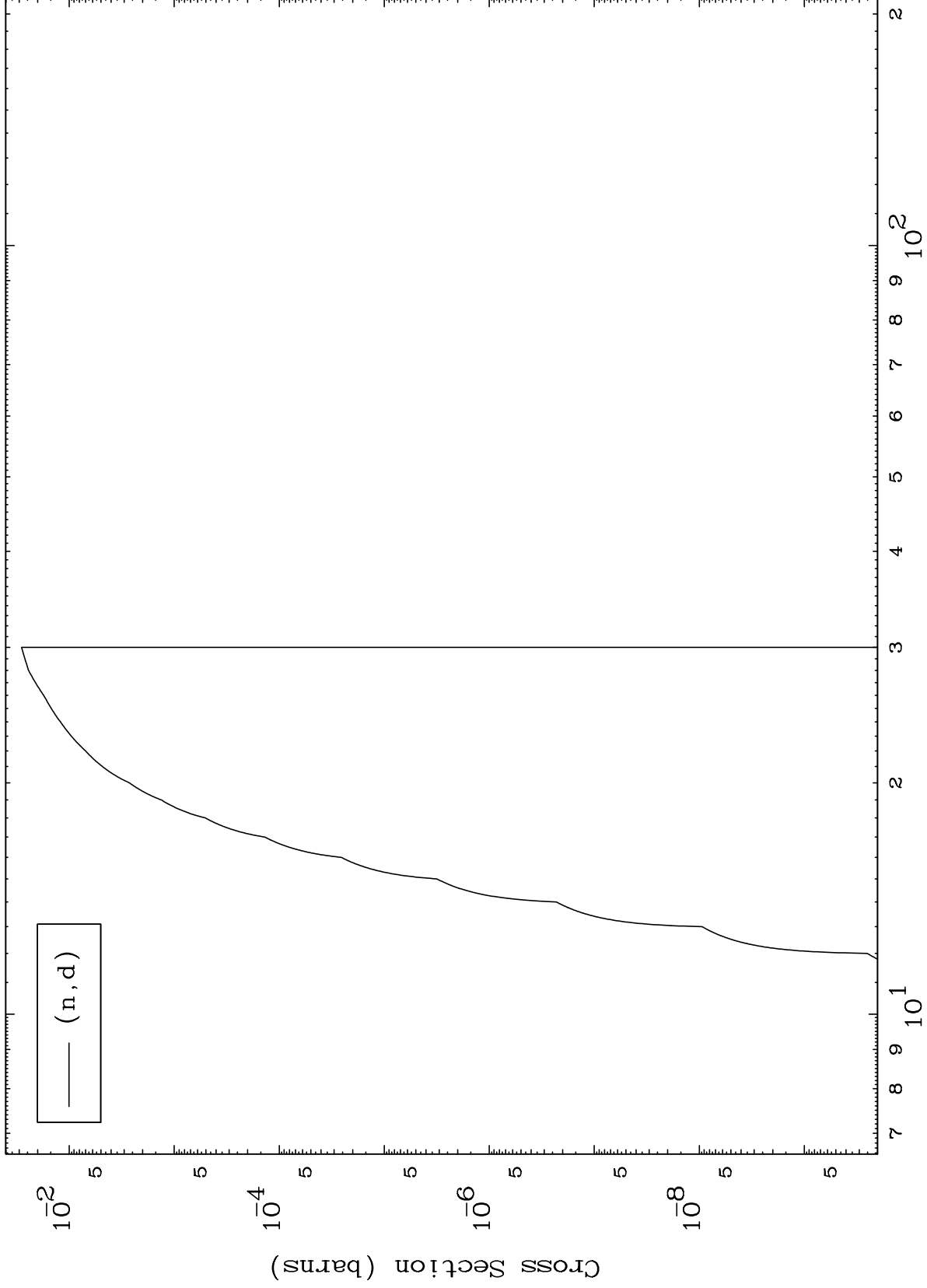
82-Pb-200

7

MAT 8213

(p,d) Levels
0 Kelvin Cross Sections

82-Pb-200



8

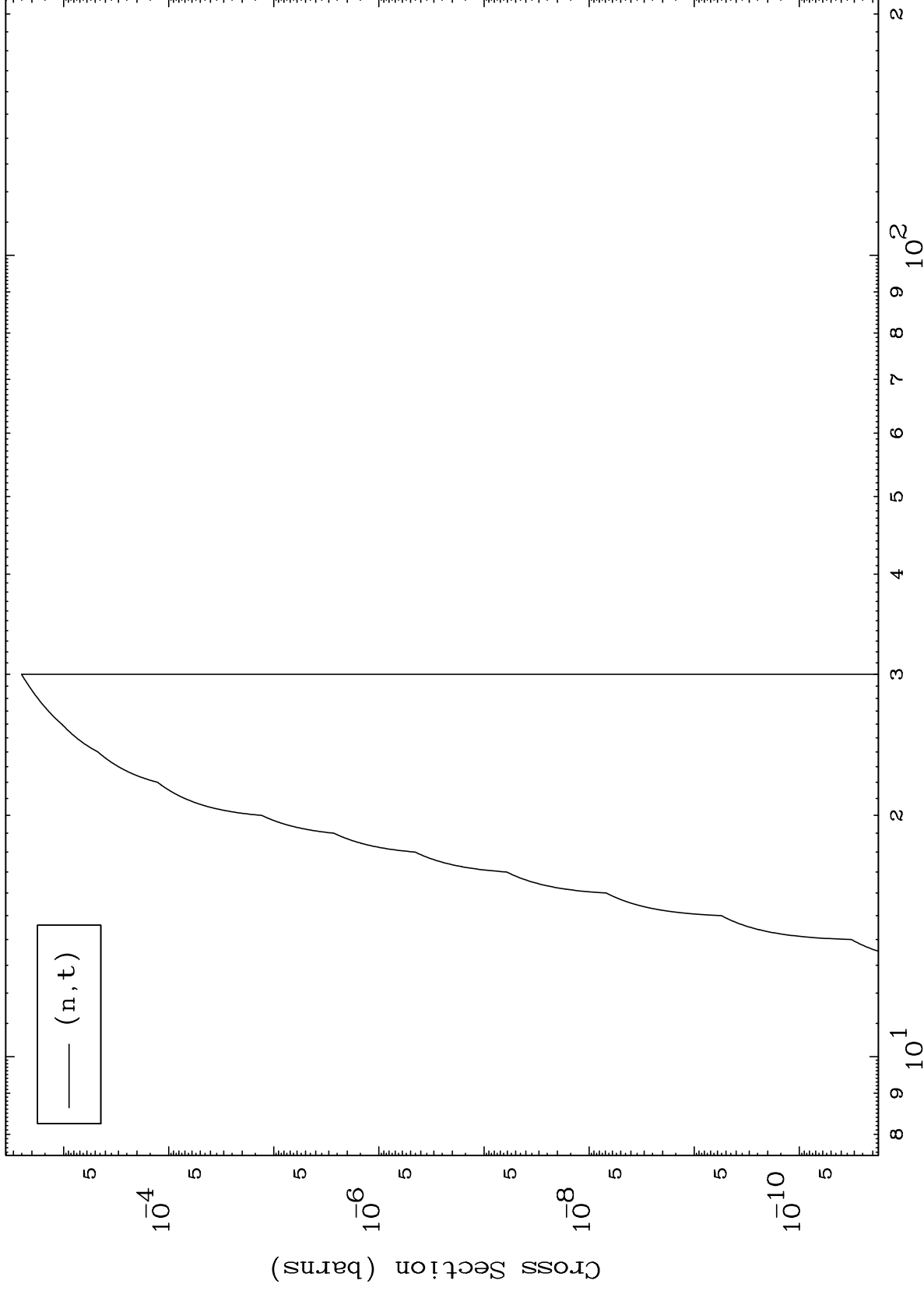
Incident Energy (MeV)

82-Pb-200

MAT 8213

(p,t) Levels
0 Kelvin Cross Sections

82-Pb-200



9

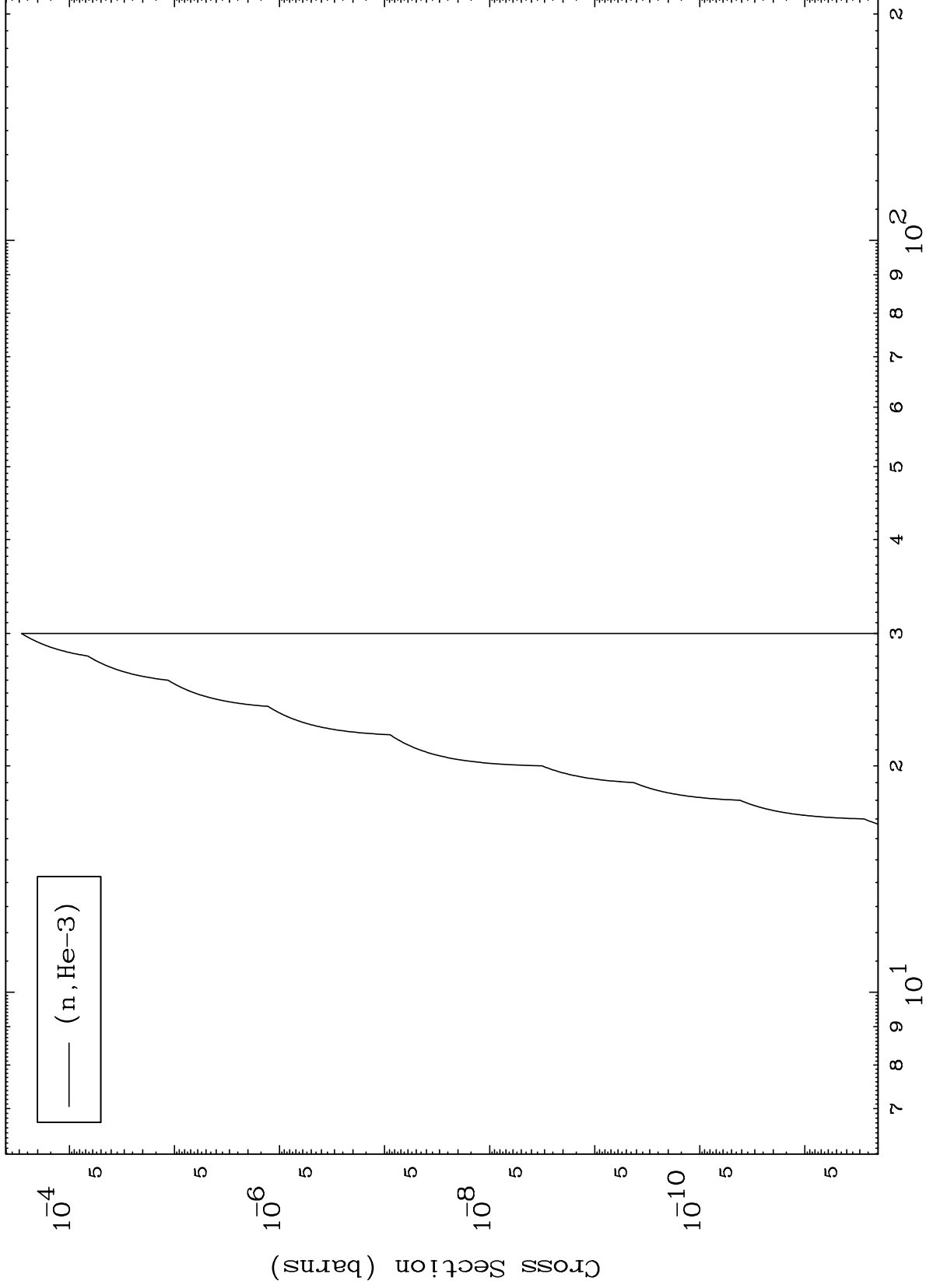
Incident Energy (MeV)

82-Pb-200

MAT 8213

(p,He3) Levels
0 Kelvin Cross Sections

82-Pb-200



10

Incident Energy (MeV)

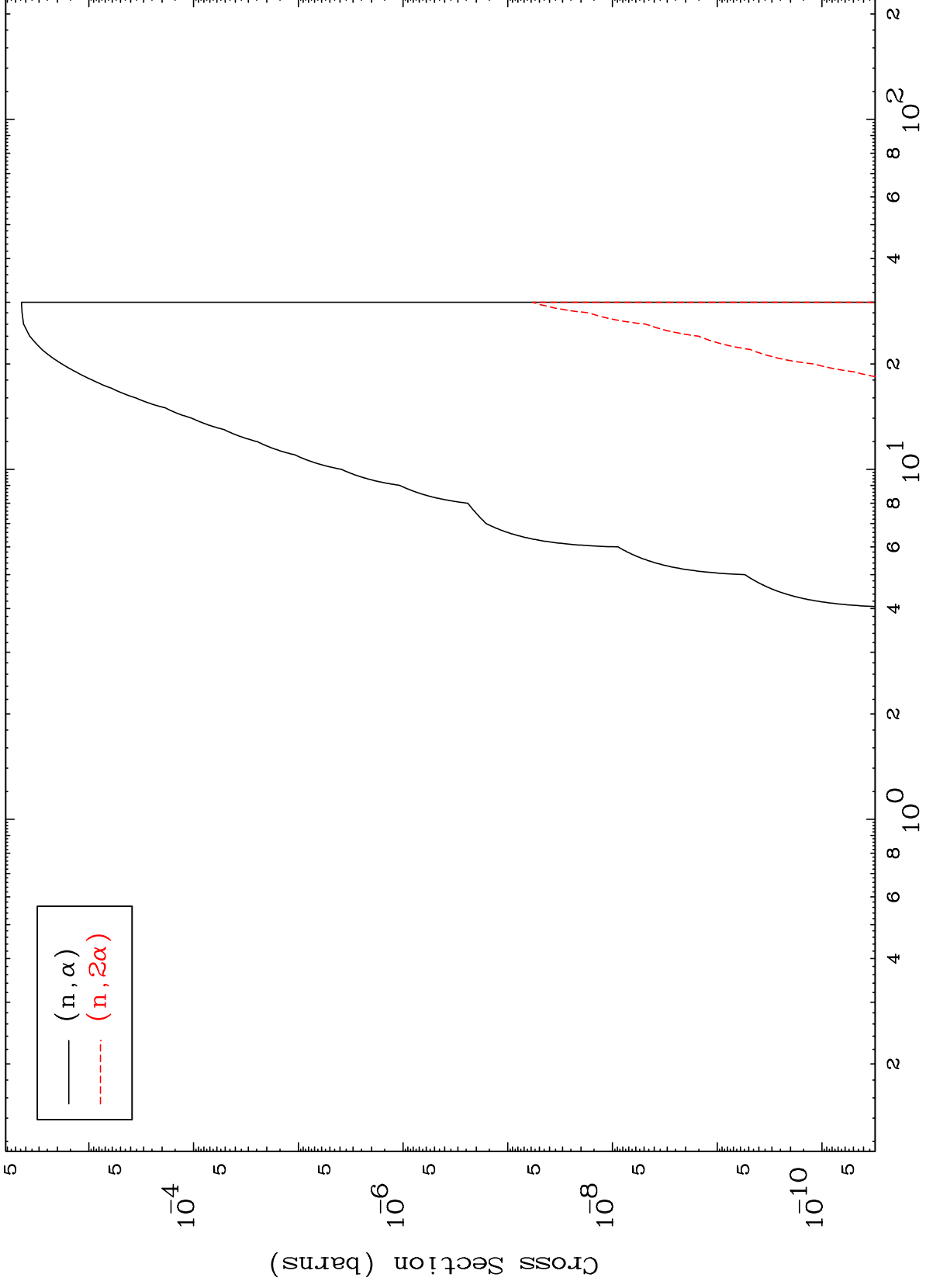
82-Pb-200

MAT 8213

(p, α) Levels

82-Pb-200

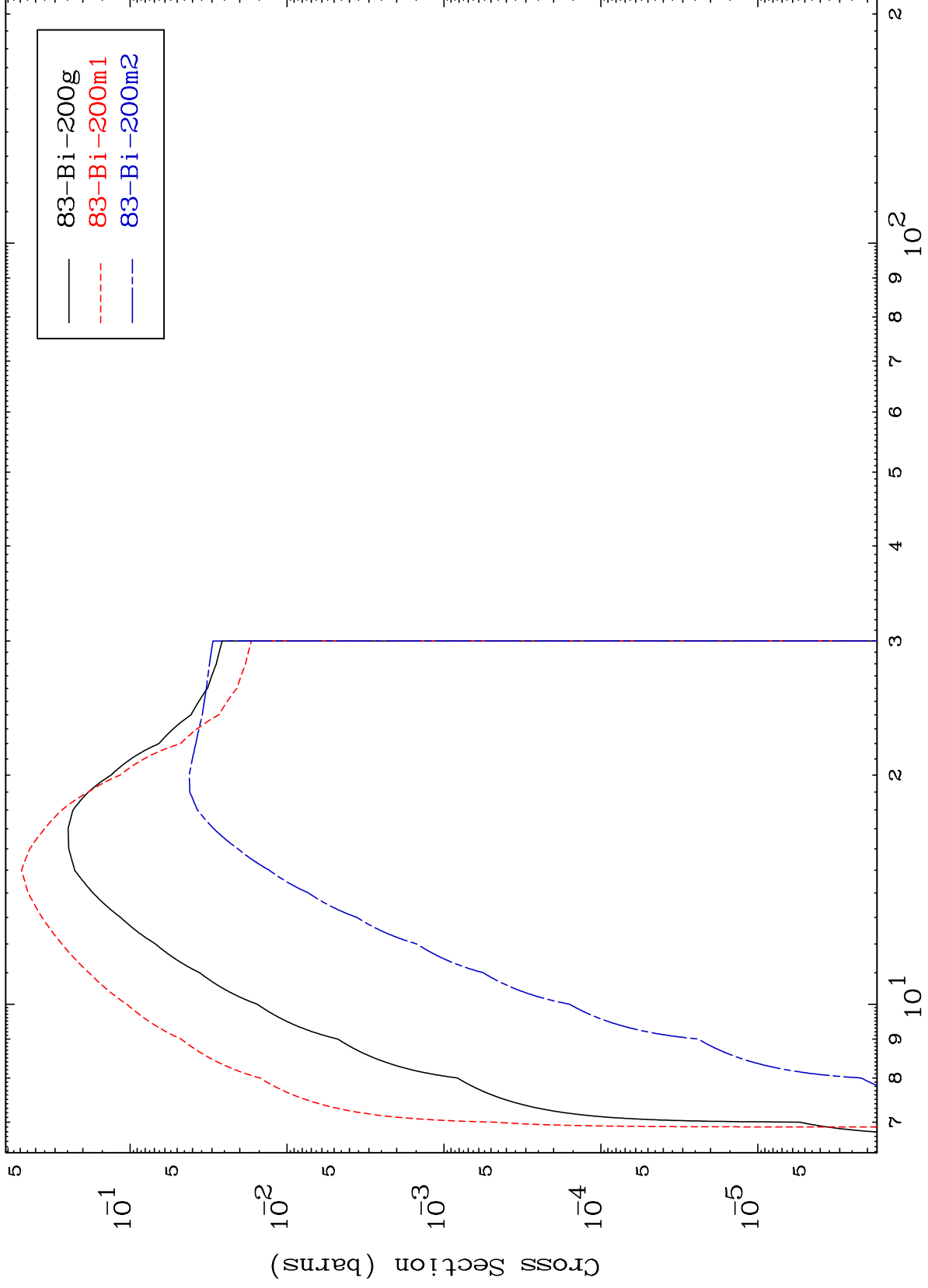
0 Kelvin Cross Sections



MAT 8213

Inelastic
Radionuclide Production Cross Section

82-Pb-200



12

Incident Energy (MeV)

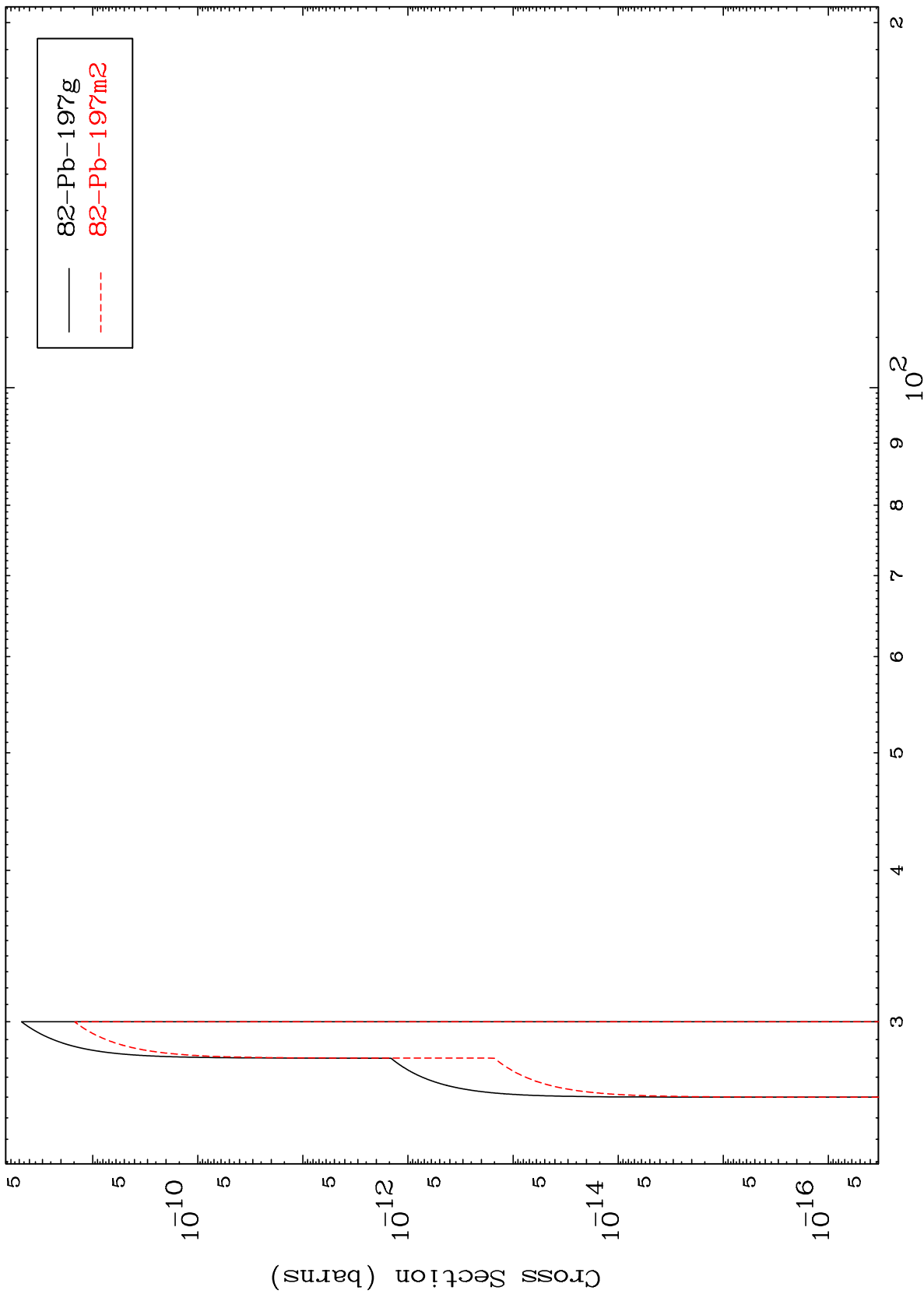
82-Pb-200

MAT 8213

(n,2n) d

82-Pb-200

Radionuclide Production Cross Section



13

Incident Energy (MeV)

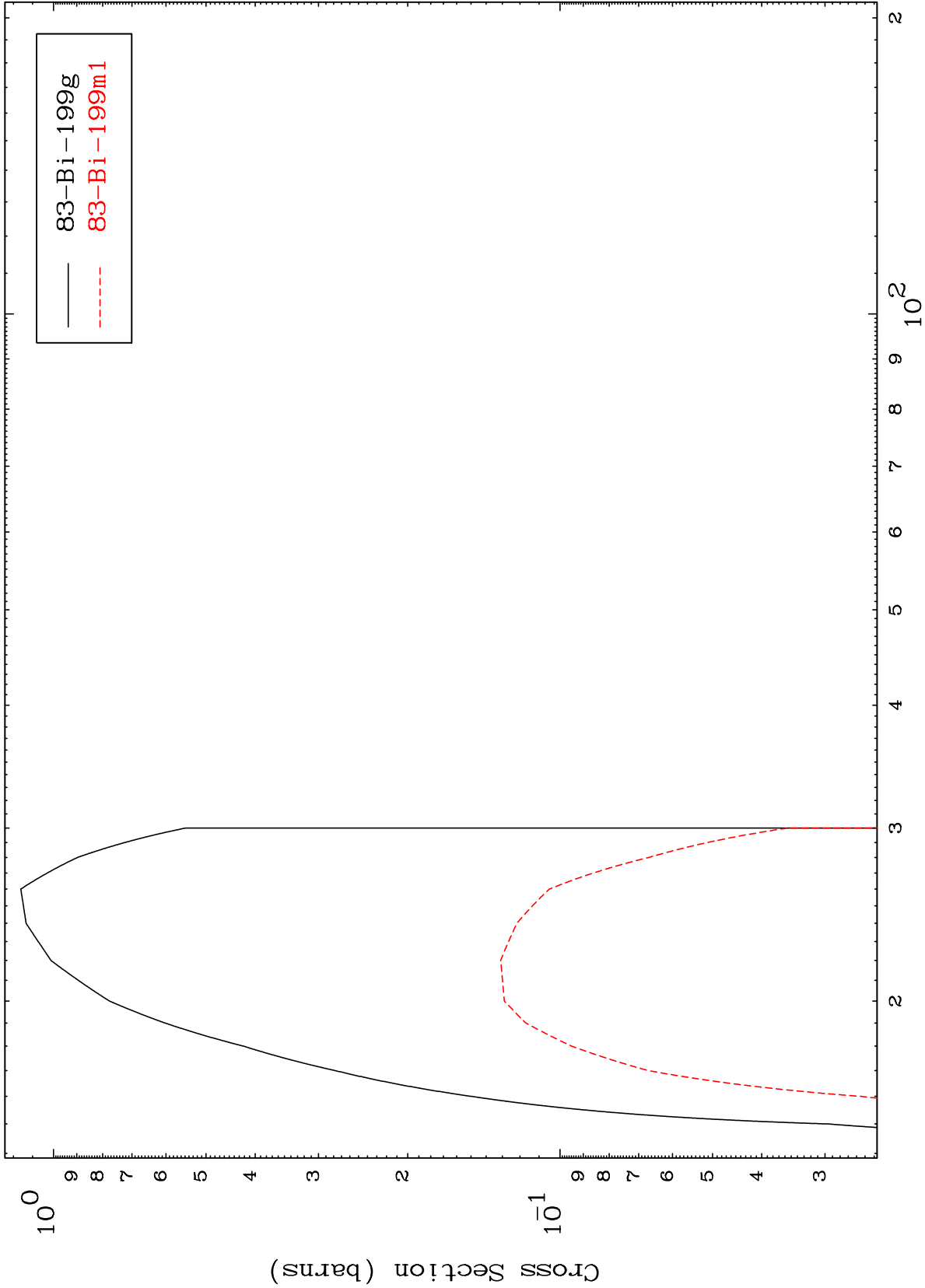
82-Pb-200

MAT 8213

(n,2n)

82-Pb-200

Radionuclide Production Cross Section



14

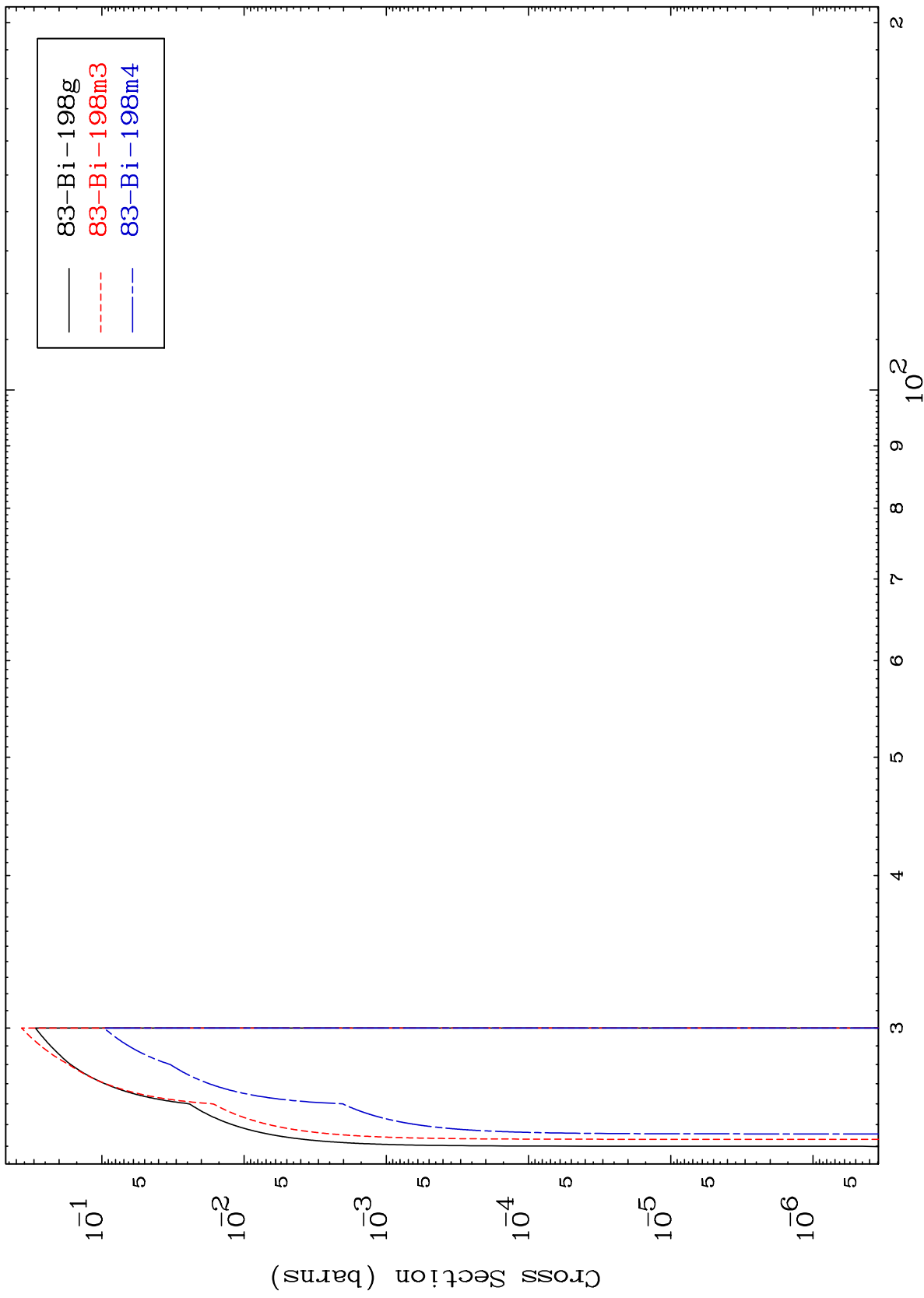
Incident Energy (MeV)

82-Pb-200

MAT 8213

82-Pb-200

(n,3n)
Radionuclide Production Cross Section



15

Incident Energy (MeV)

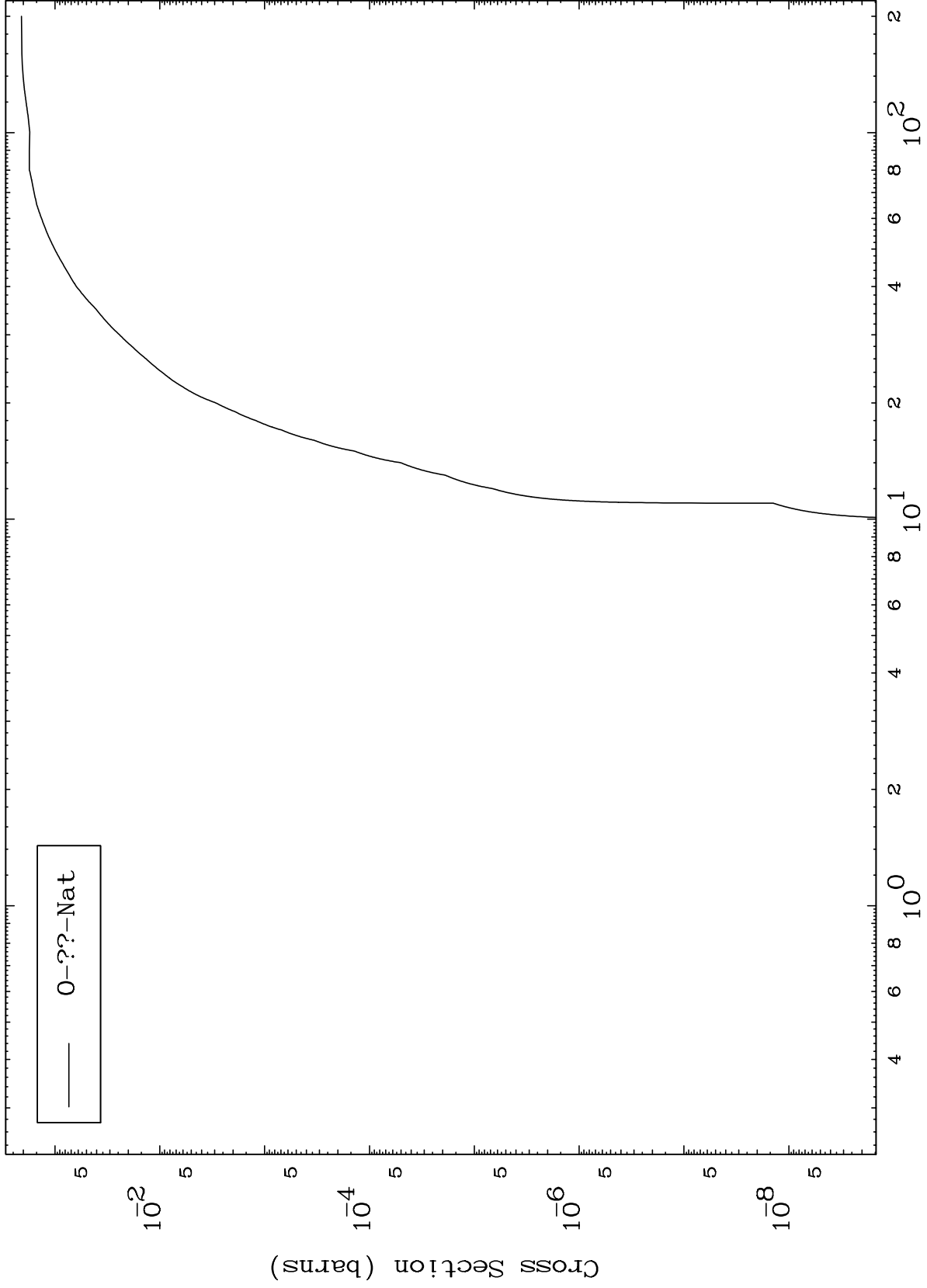
82-Pb-200

MAT 8213

Fission

82-Pb-200

Radionuclide Production Cross Section



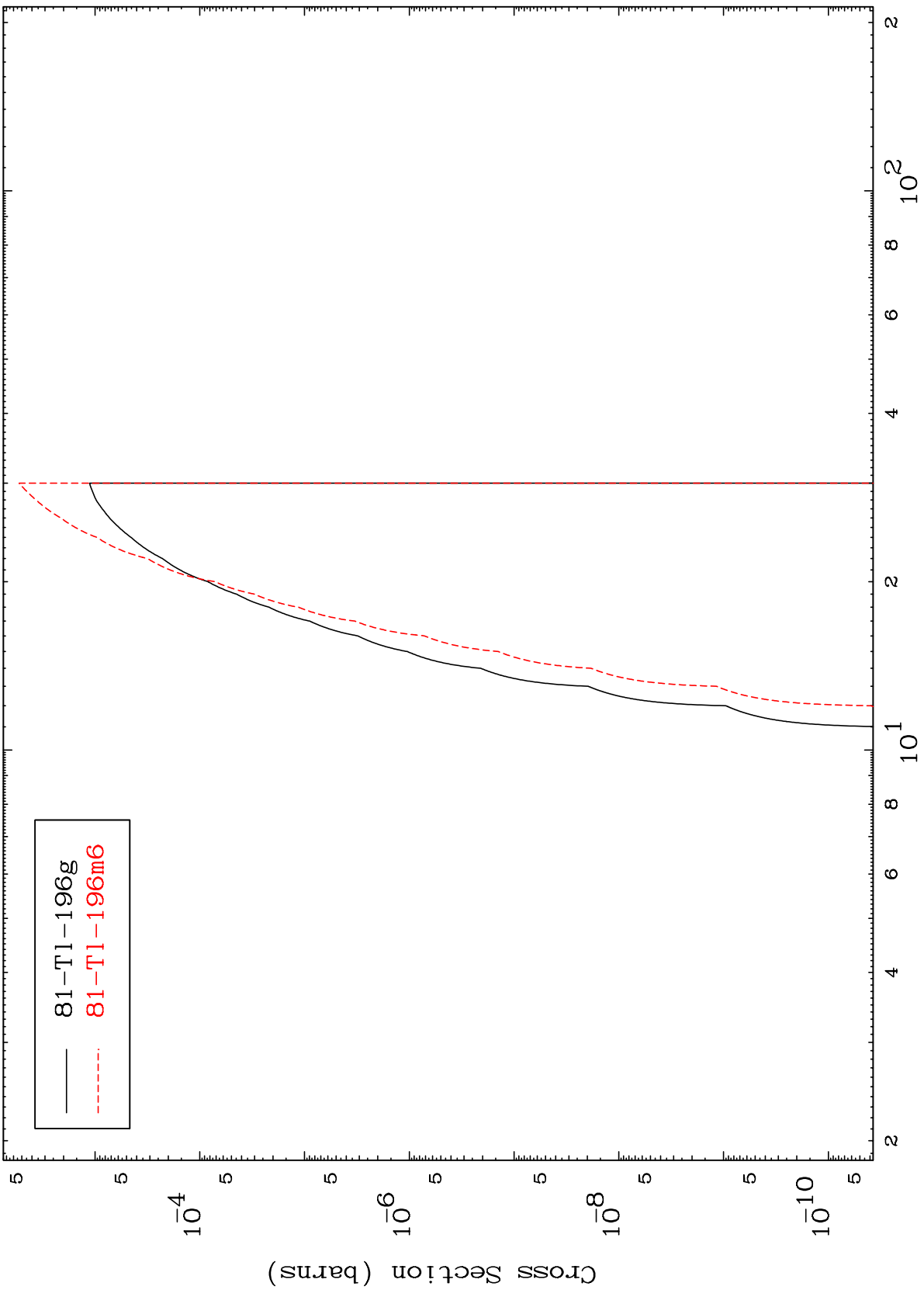
— 0-??-Nat

MAT 8213

(n,n') α

82-Pb-200

Radionuclide Production Cross Section



81-Tl-196g
81-Tl-196m6

17

Incident Energy (MeV)

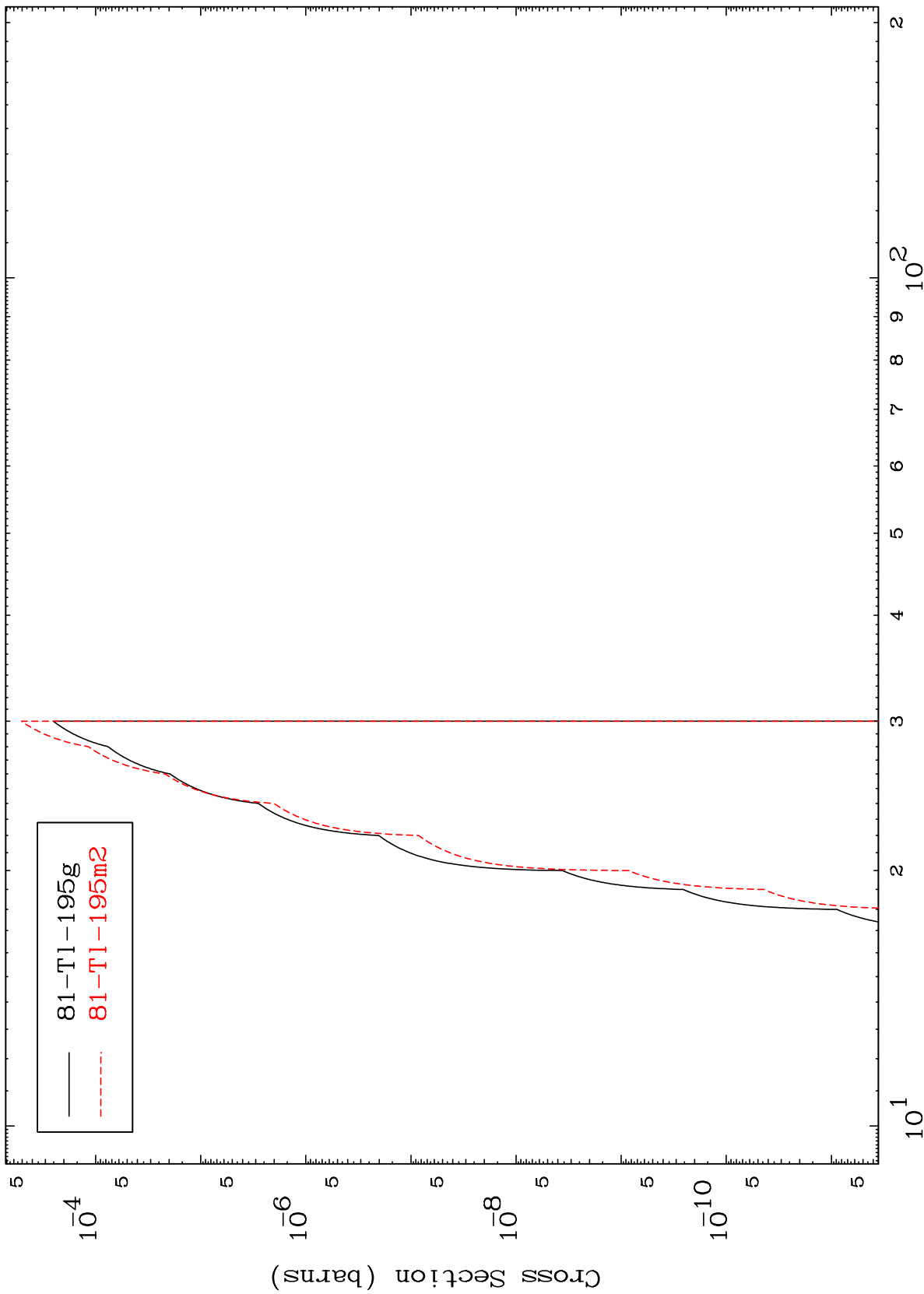
82-Pb-200

MAT 8213

(n,2n) α

82-Pb-200

Radionuclide Production Cross Section



Incident Energy (MeV)

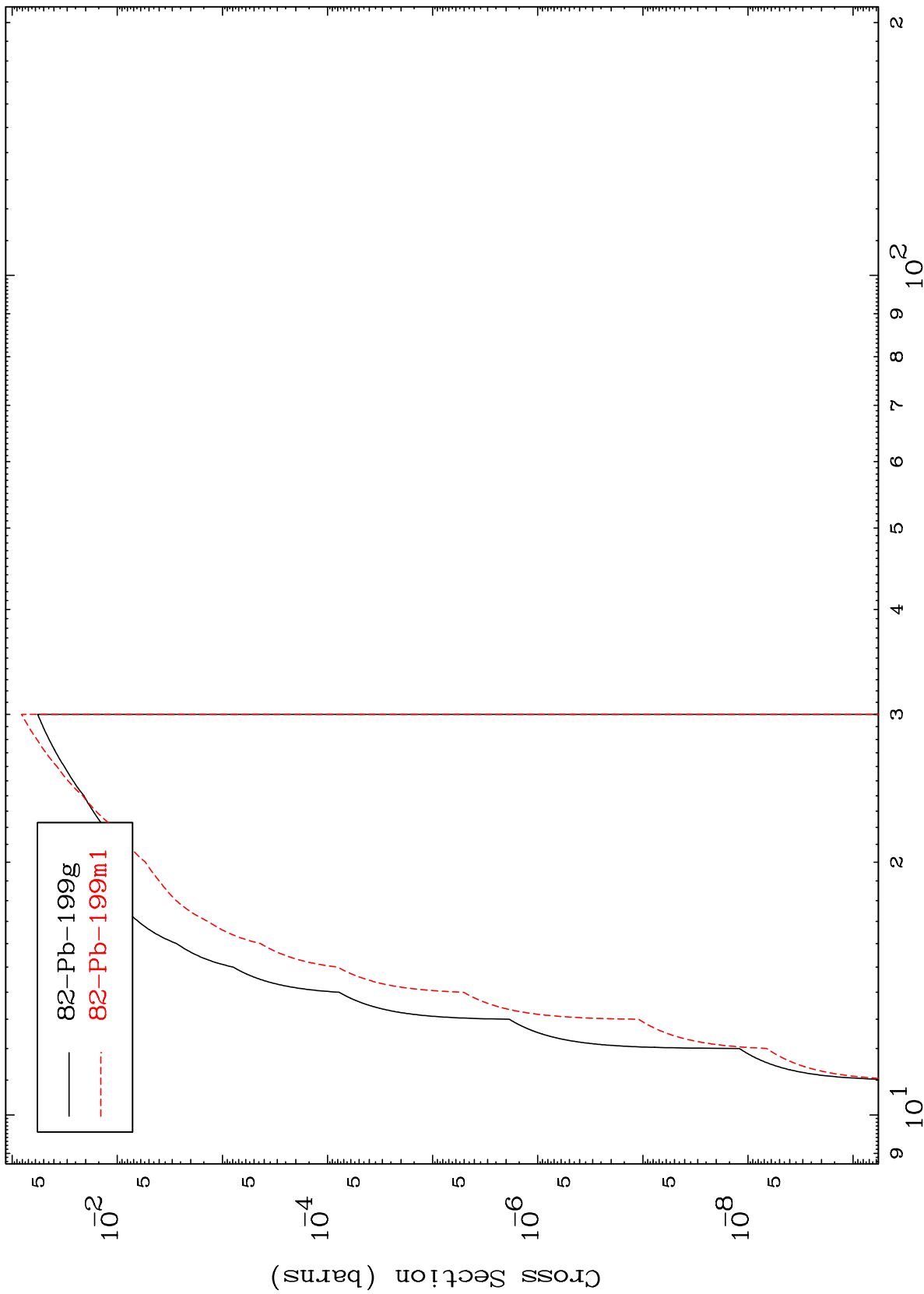
82-Pb-200

MAT 8213

(n,n') p

82-Pb-200

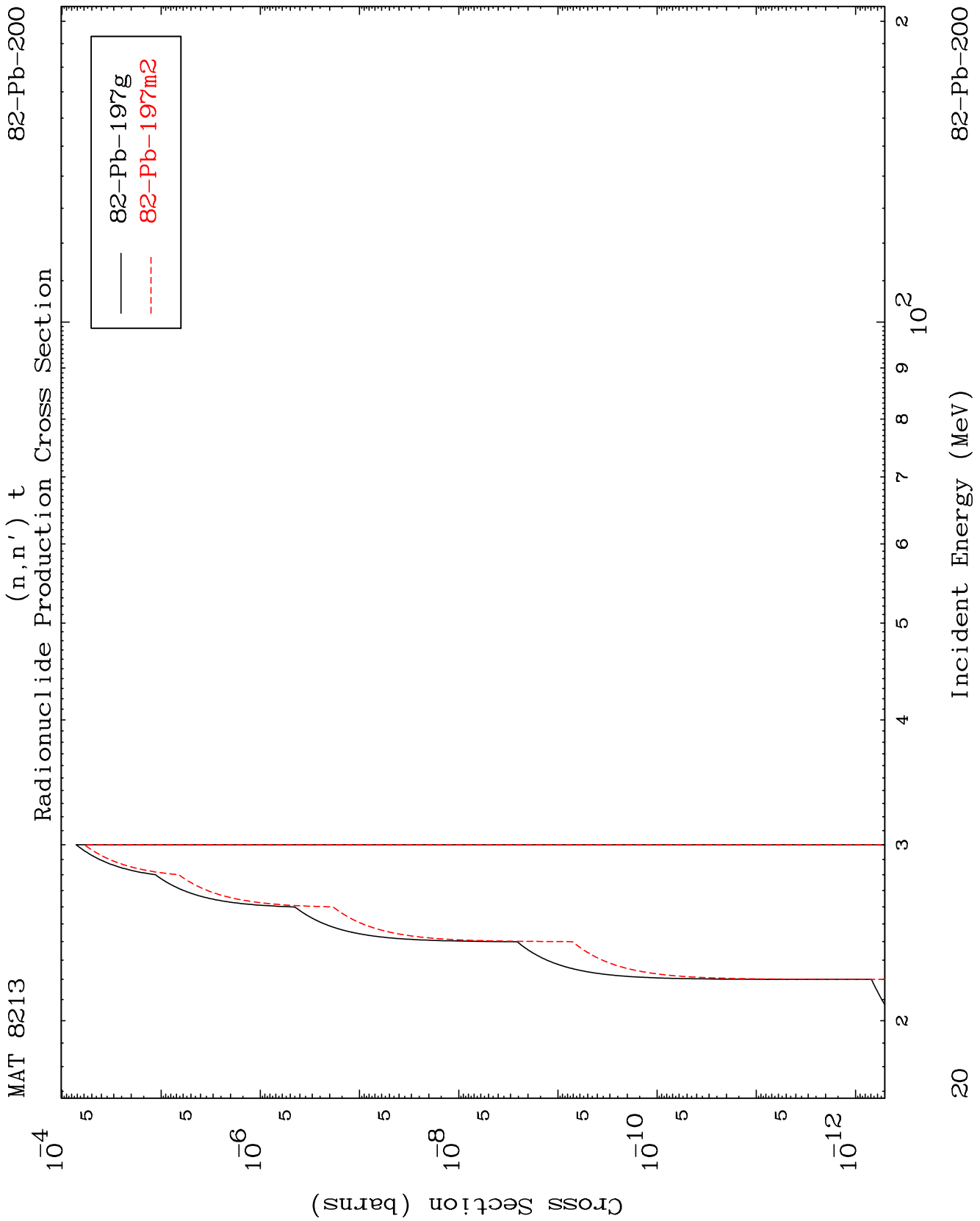
Radionuclide Production Cross Section

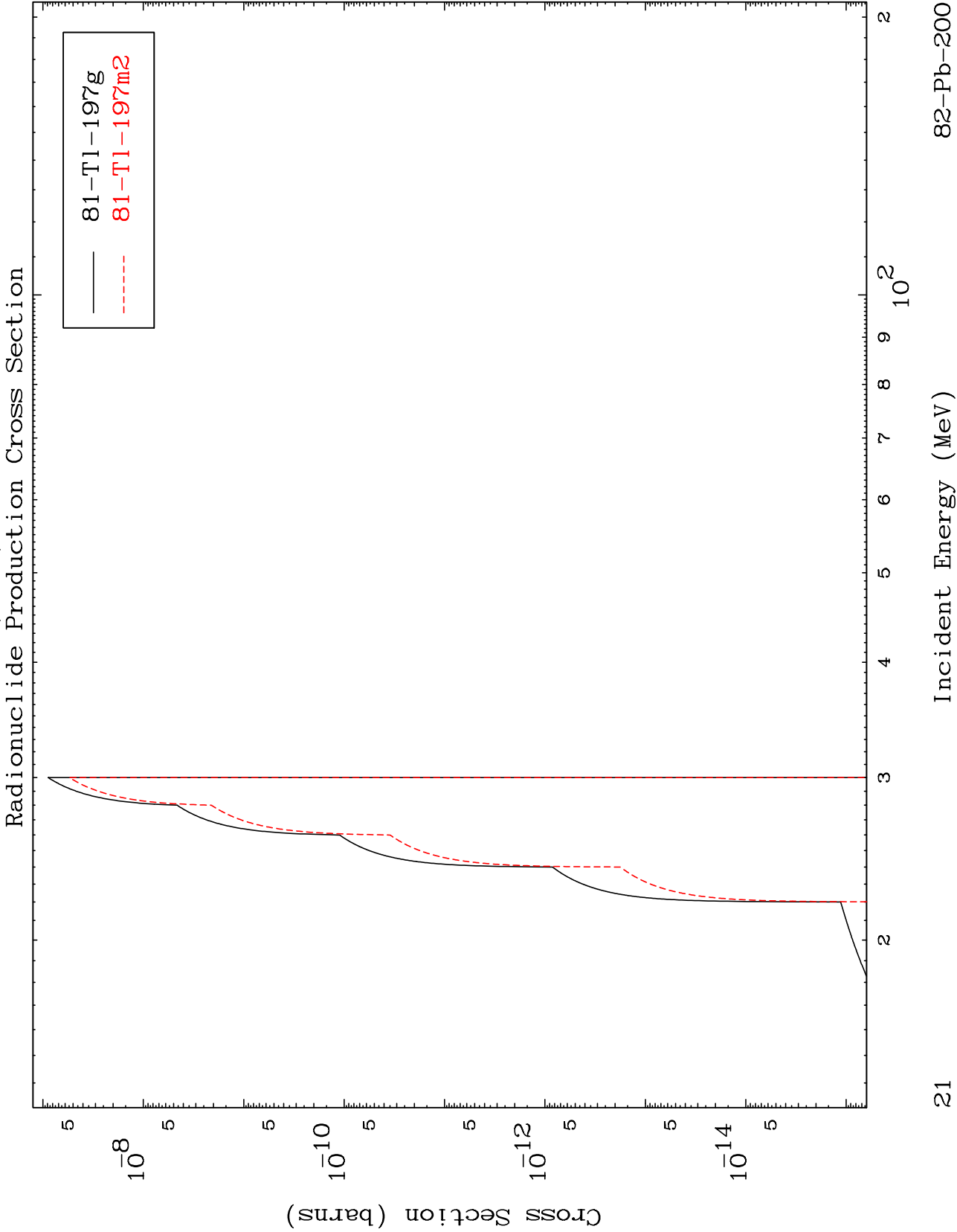


19

Incident Energy (MeV)

82-Pb-200



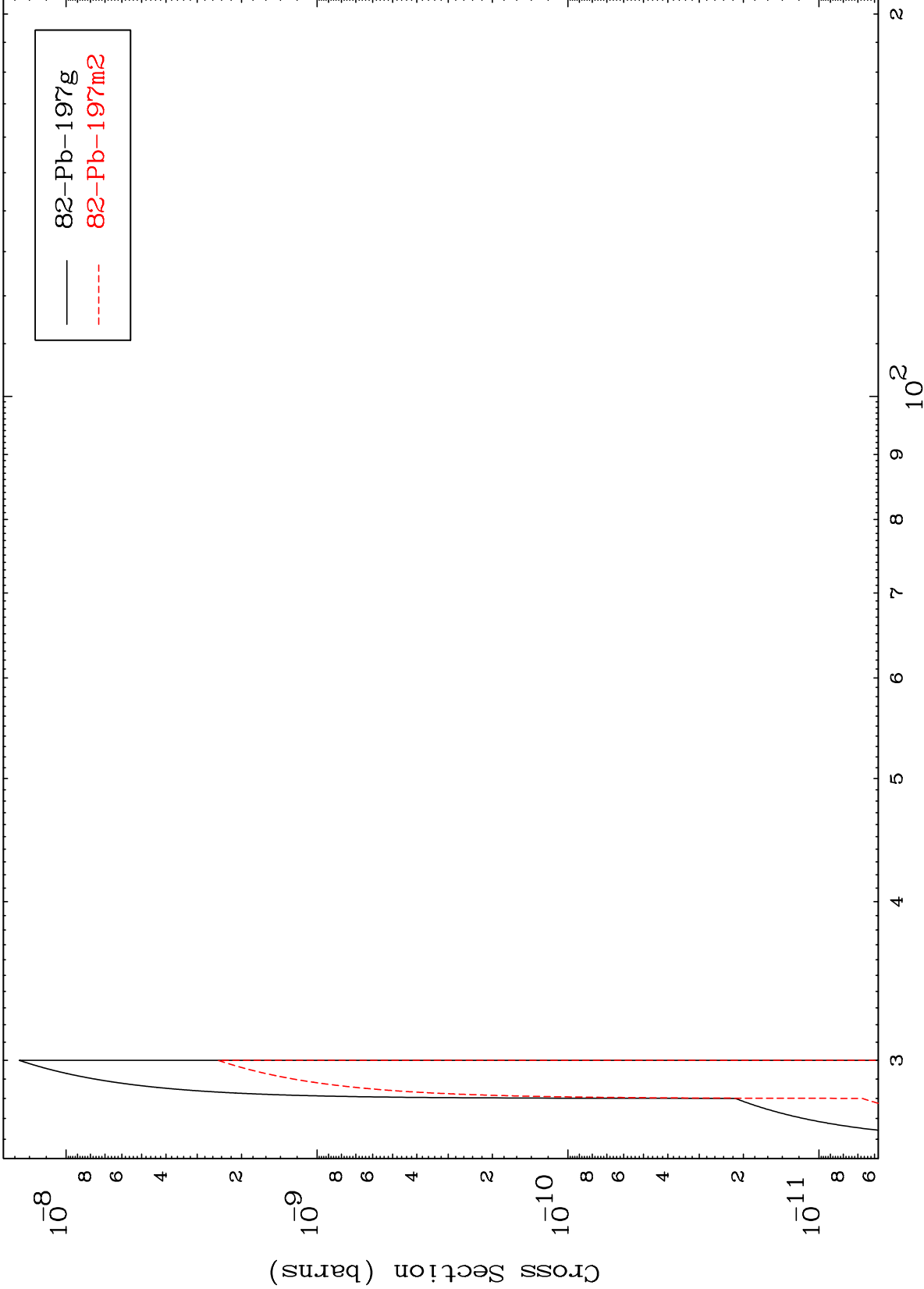


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(n,3n) p

82-Pb-200

Radionuclide Production Cross Section



10^{-8}

8

6

4

2

Cross Section (barns)

10^{-9}

8

6

4

2

10^{-10}

8

6

4

2

10^{-11}

8

6

10^2

9

8

7

6

5

4

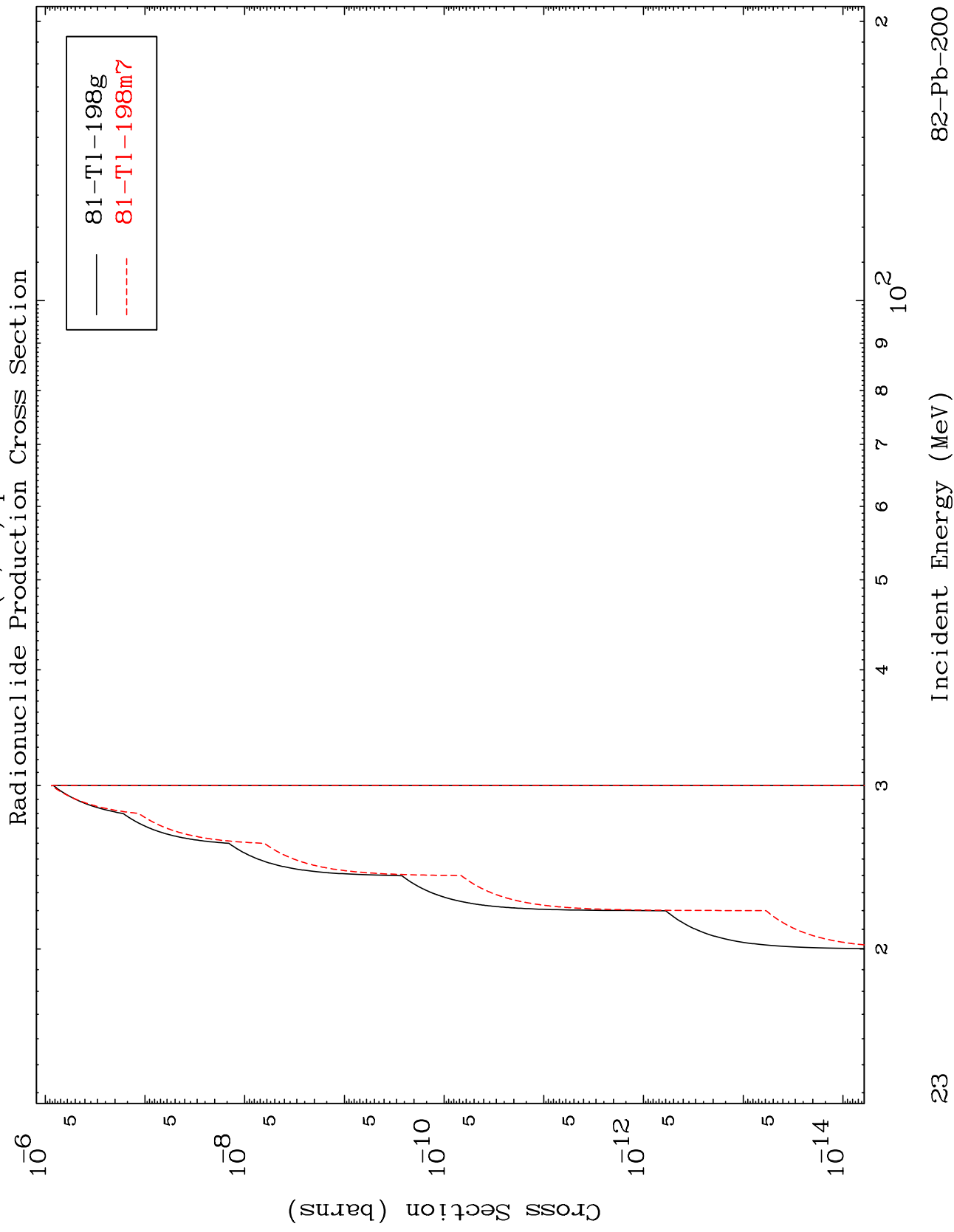
3

2

MAT 8213

(n,2n) p

82-Pb-200



23

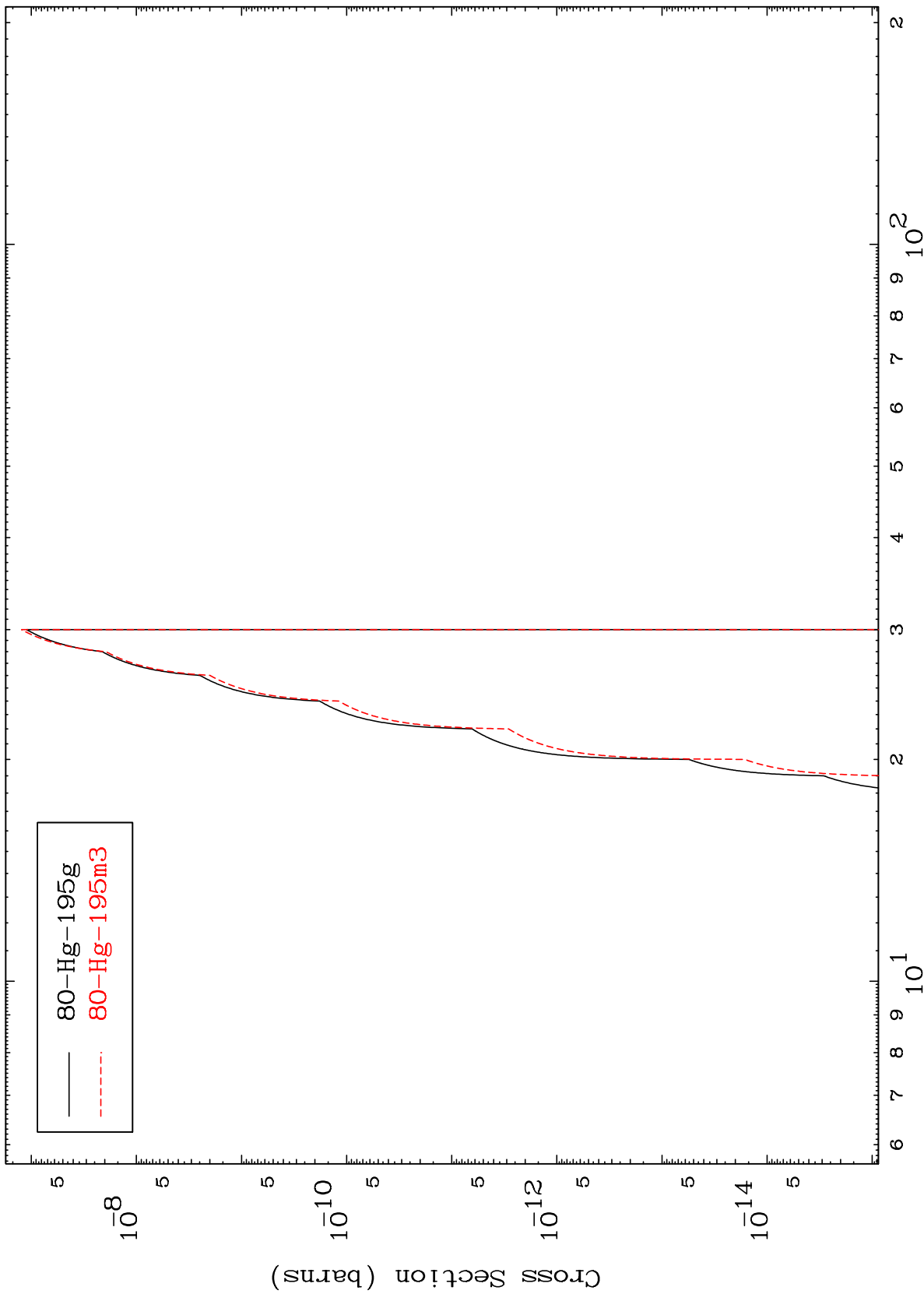
82-Pb-200

MAT 8213

(n,n') p α

82-Pb-200

Radionuclide Production Cross Section



24

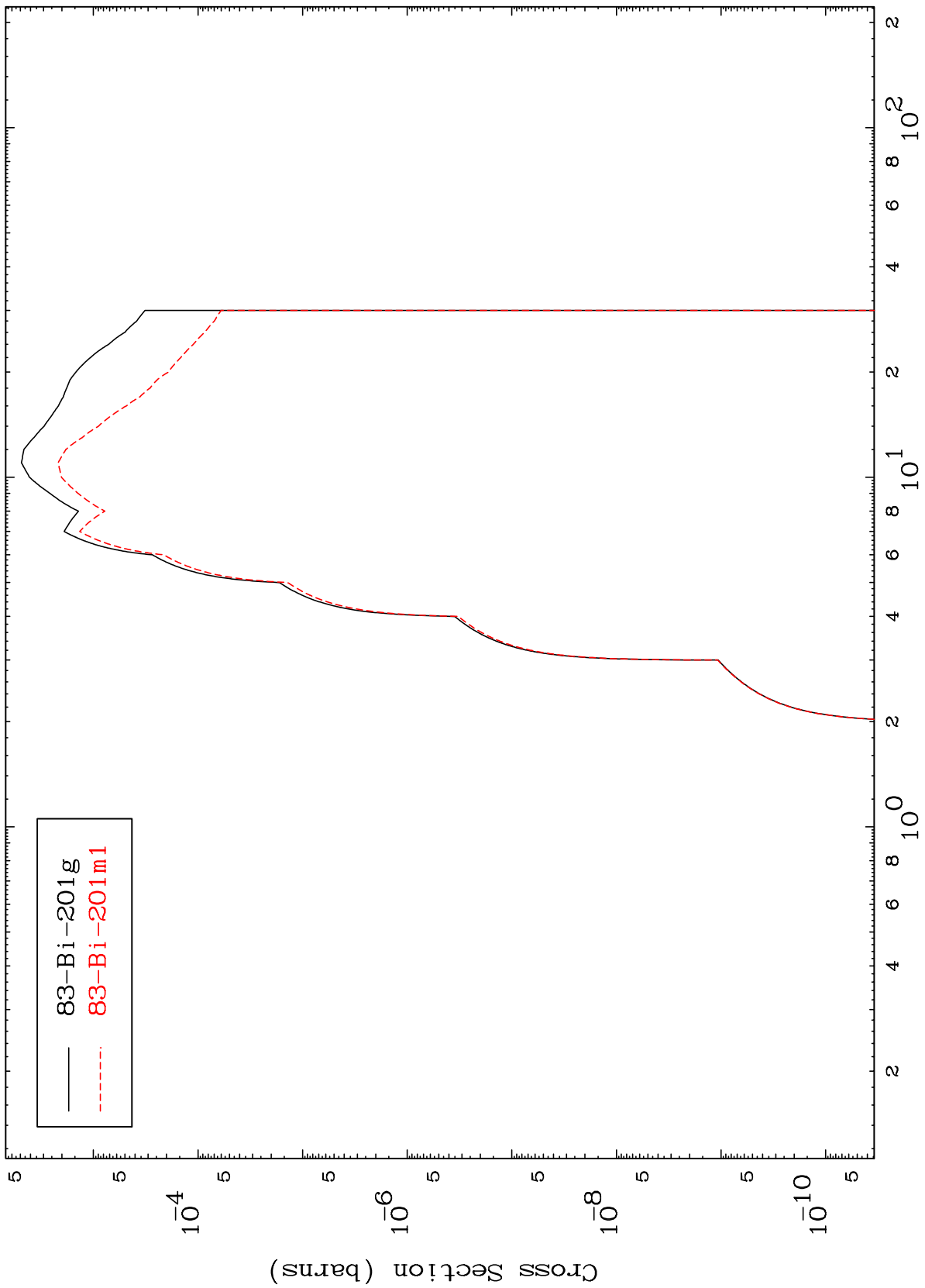
Incident Energy (MeV)

82-Pb-200

MAT 8213

82-Pb-200

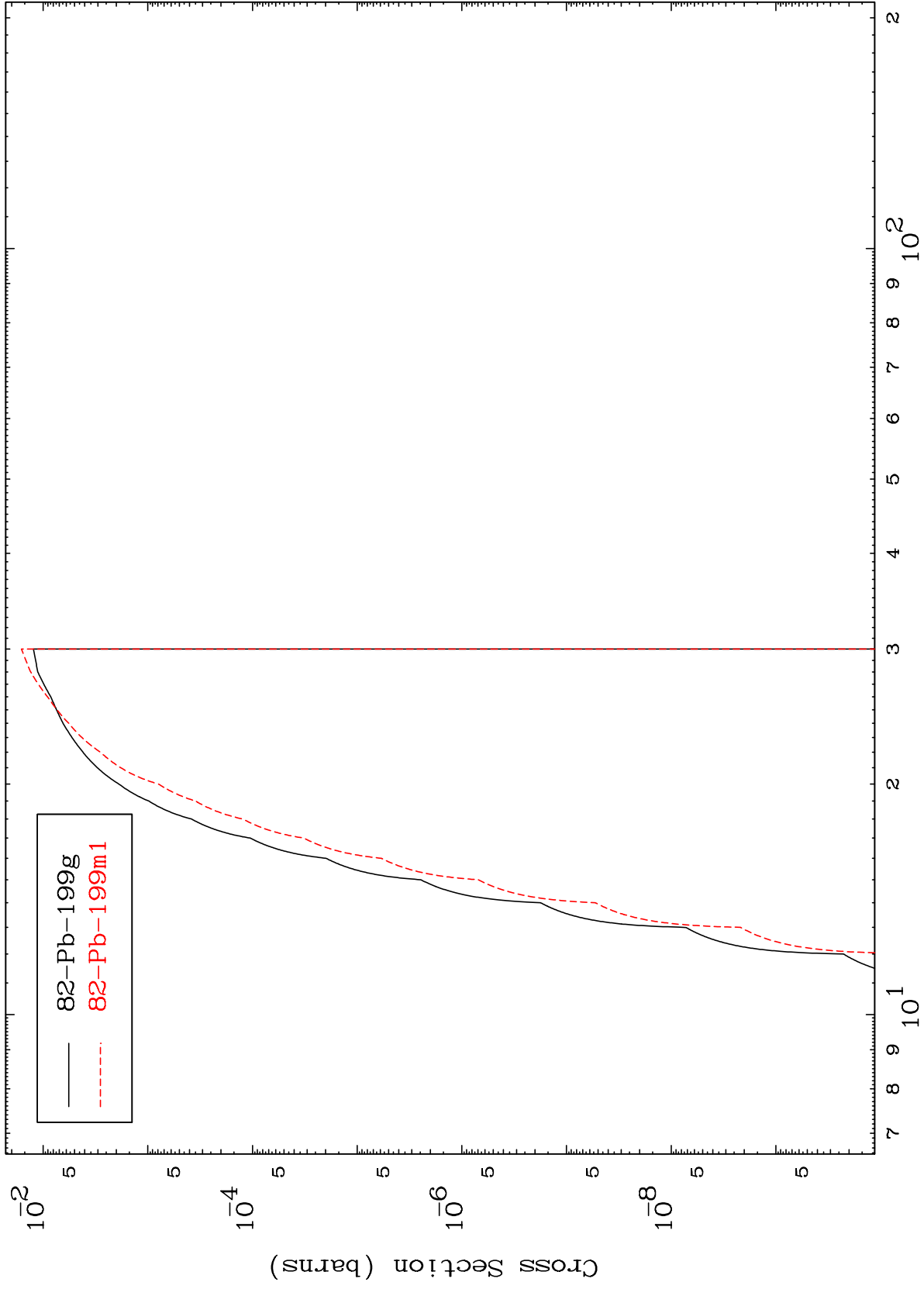
(n, γ)
Radionuclide Production Cross Section



MAT 8213

82-Pb-200

(n,d)
Radionuclide Production Cross Section



26

Incident Energy (MeV)

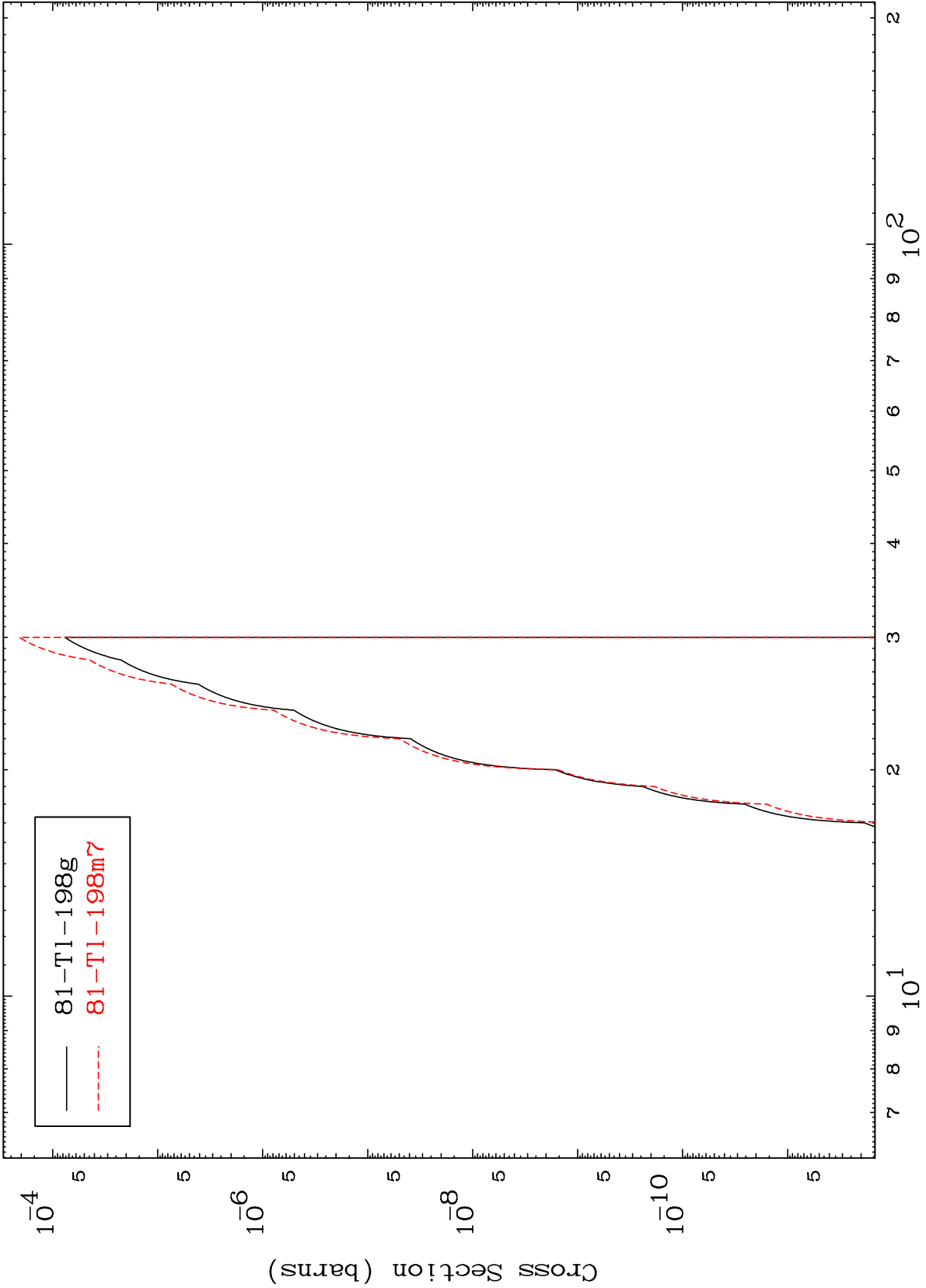
82-Pb-200

MAT 8213

(n,He-3)

82-Pb-200

Radionuclide Production Cross Section



27

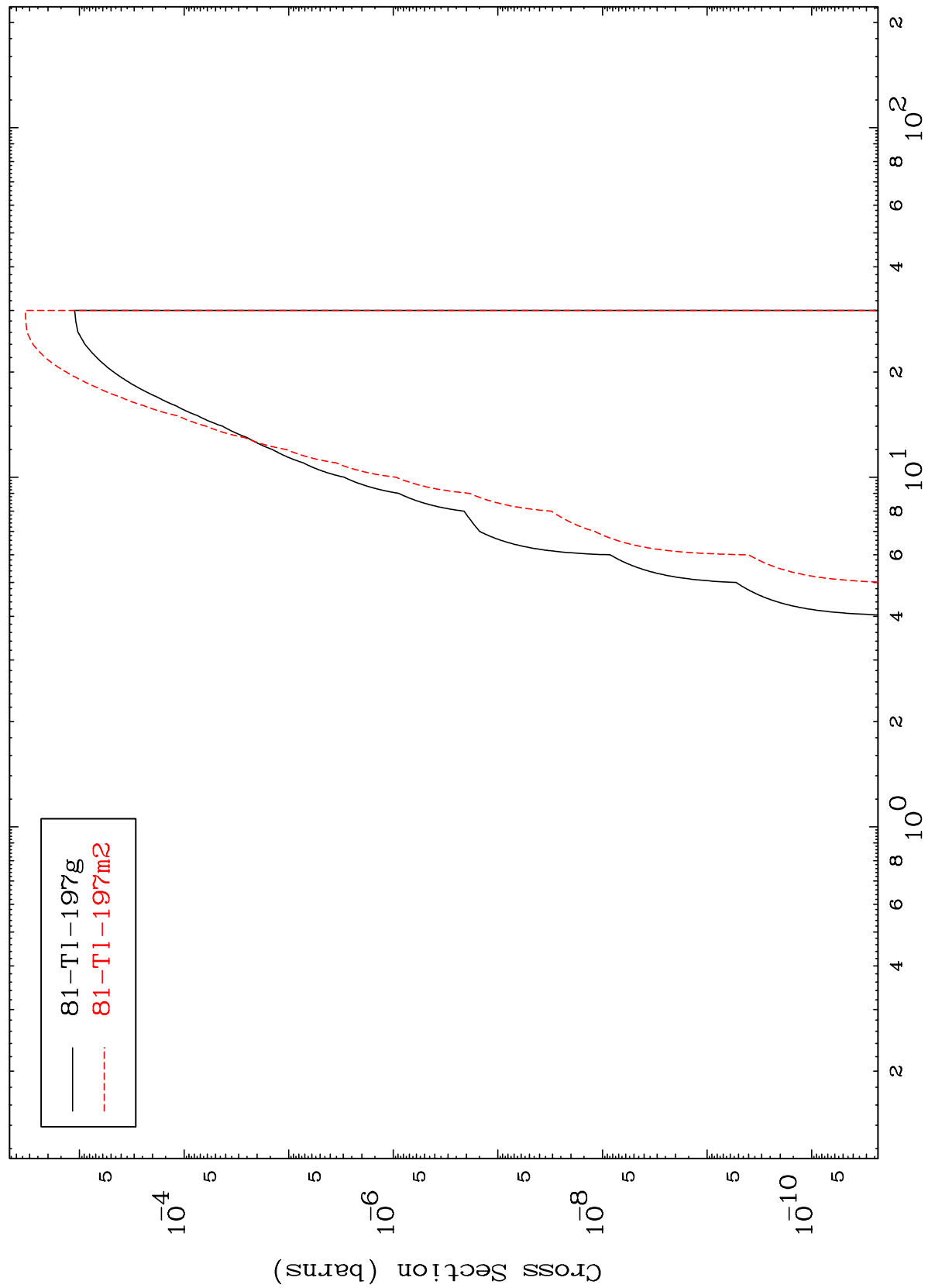
Incident Energy (MeV)

82-Pb-200

MAT 8213

82-Pb-200

Radionuclide Production Cross Section
(n, α)

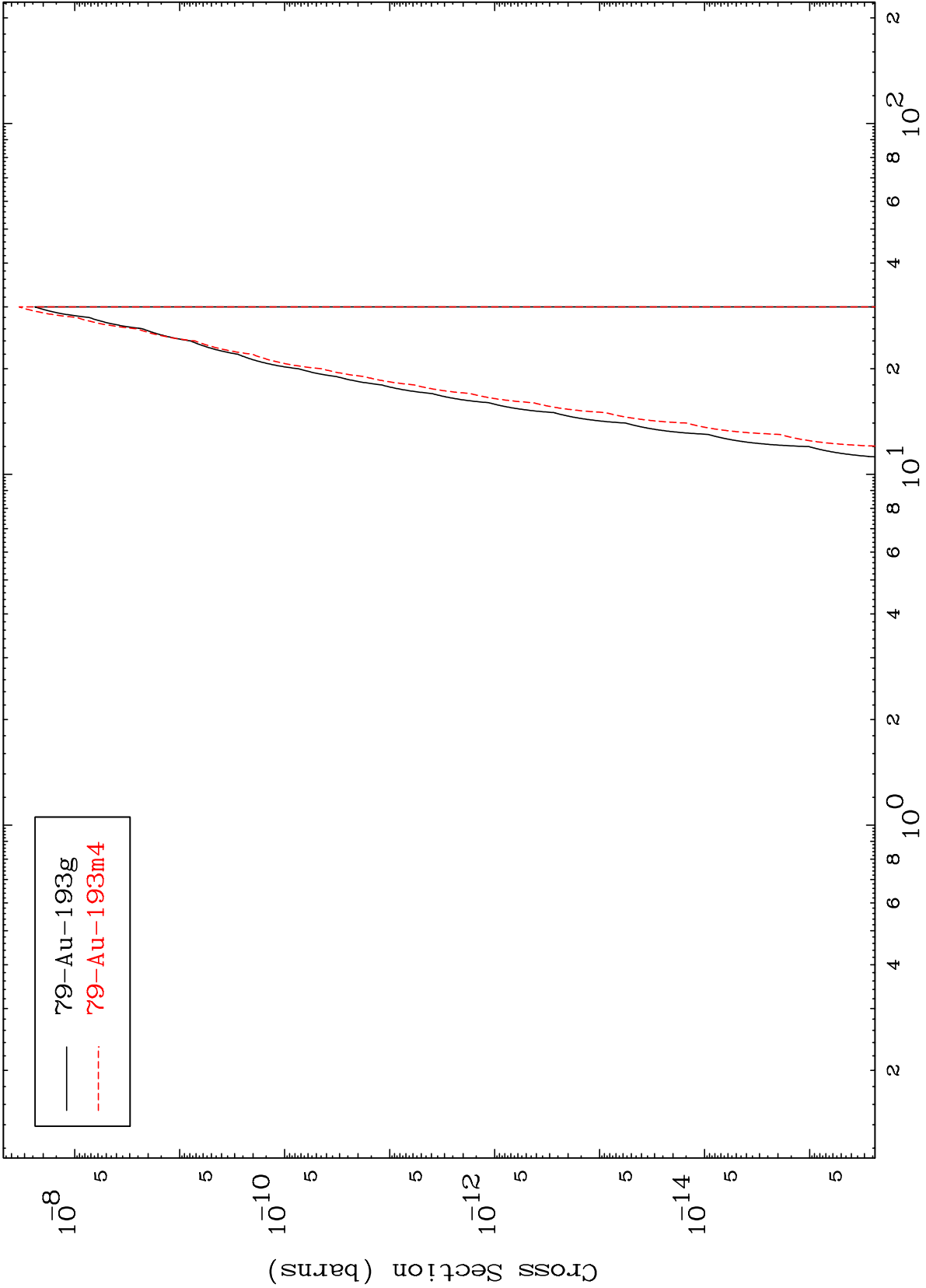


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(n,2α)

82-Pb-200

Radionuclide Production Cross Section

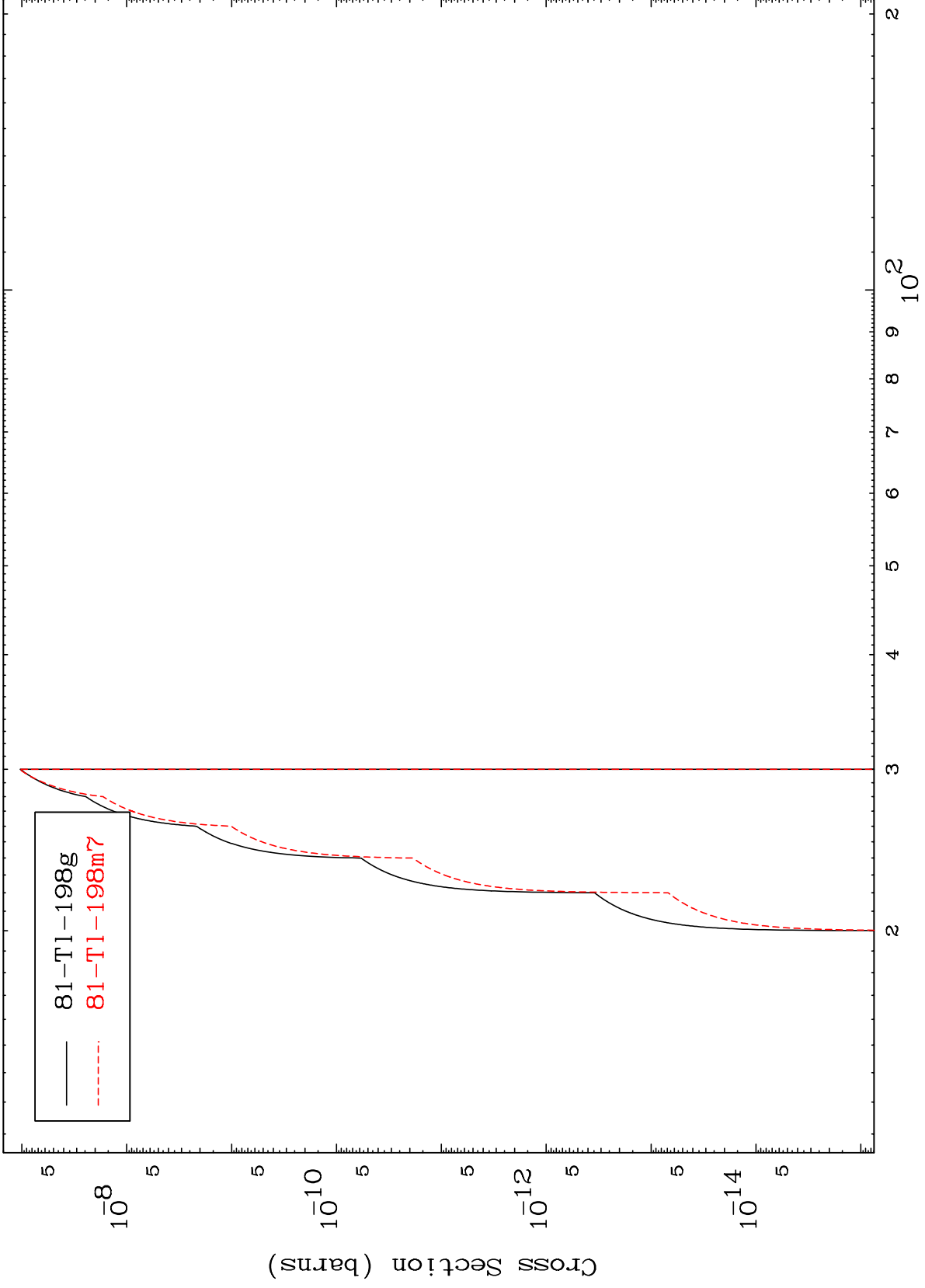


MAT 8213

(n,p) d

82-Pb-200

Radionuclide Production Cross Section



30

Incident Energy (MeV)

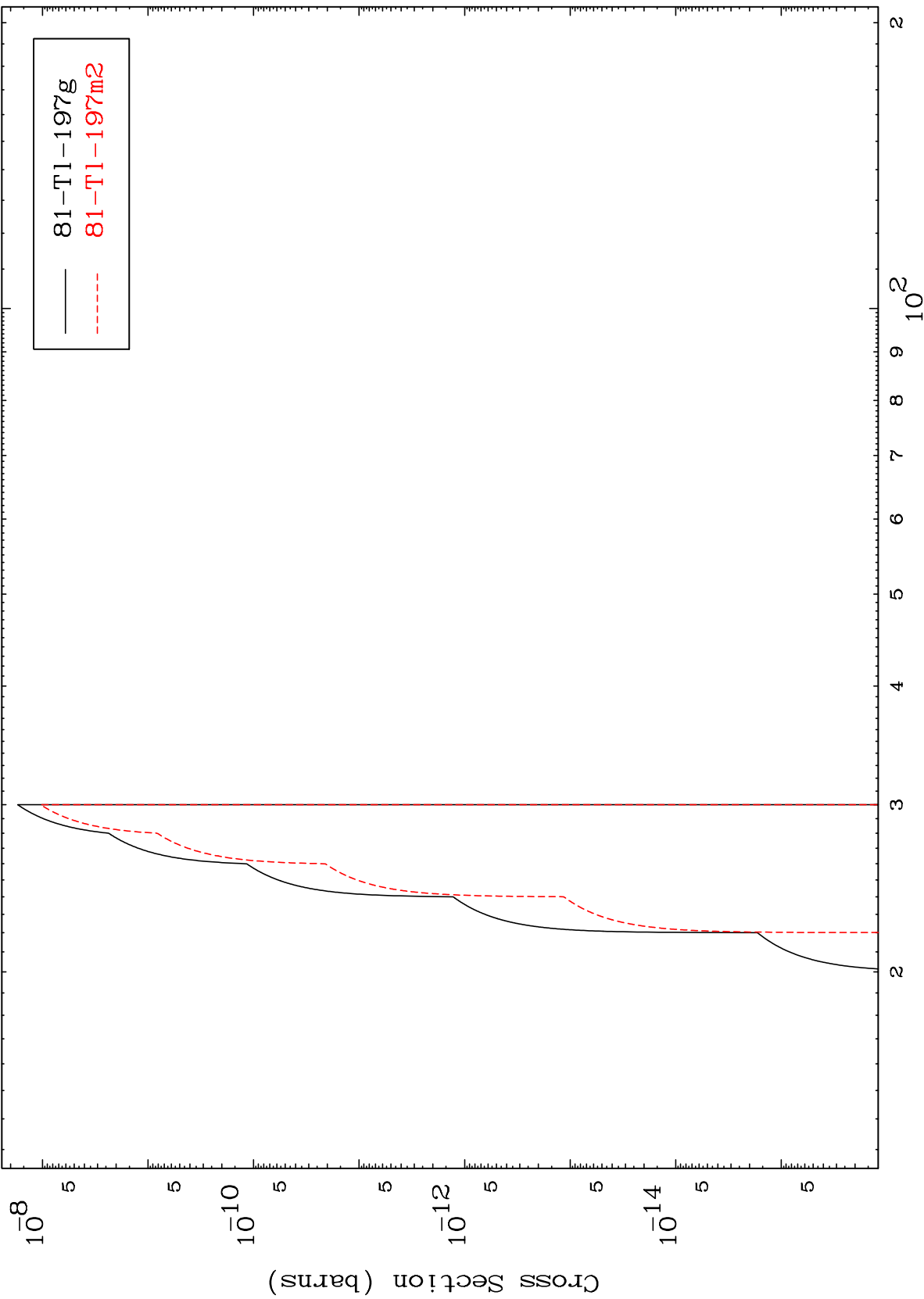
82-Pb-200

MAT 8213

(n,p) t

82-Pb-200

Radionuclide Production Cross Section

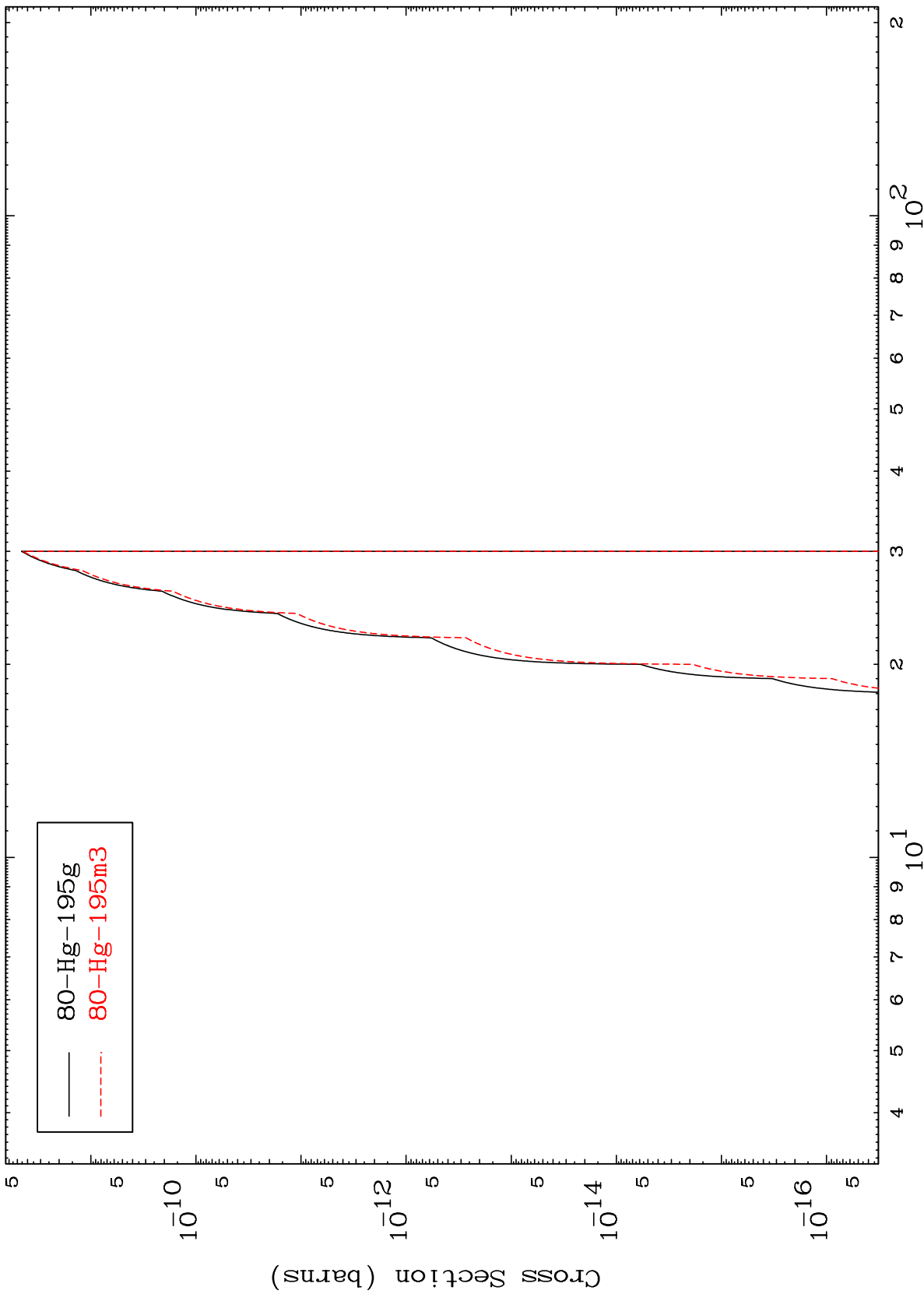


MAT 8213

(n,d) α

82-Pb-200

Radionuclide Production Cross Section



32

Incident Energy (MeV)

82-Pb-200