Program EVALPLOT
(Version 2021-1)
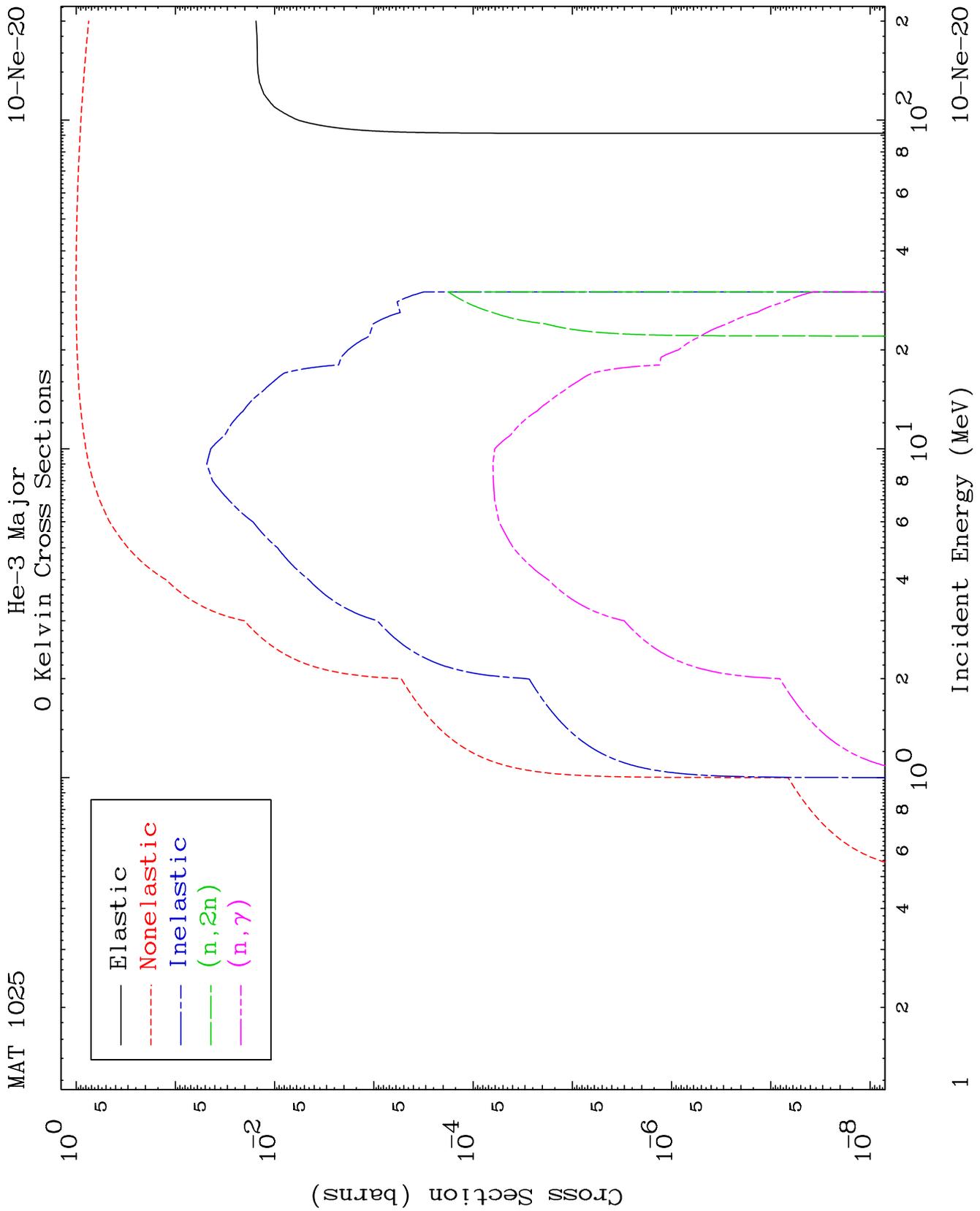by
Dermott E. Cullen
(Present Contact Information)
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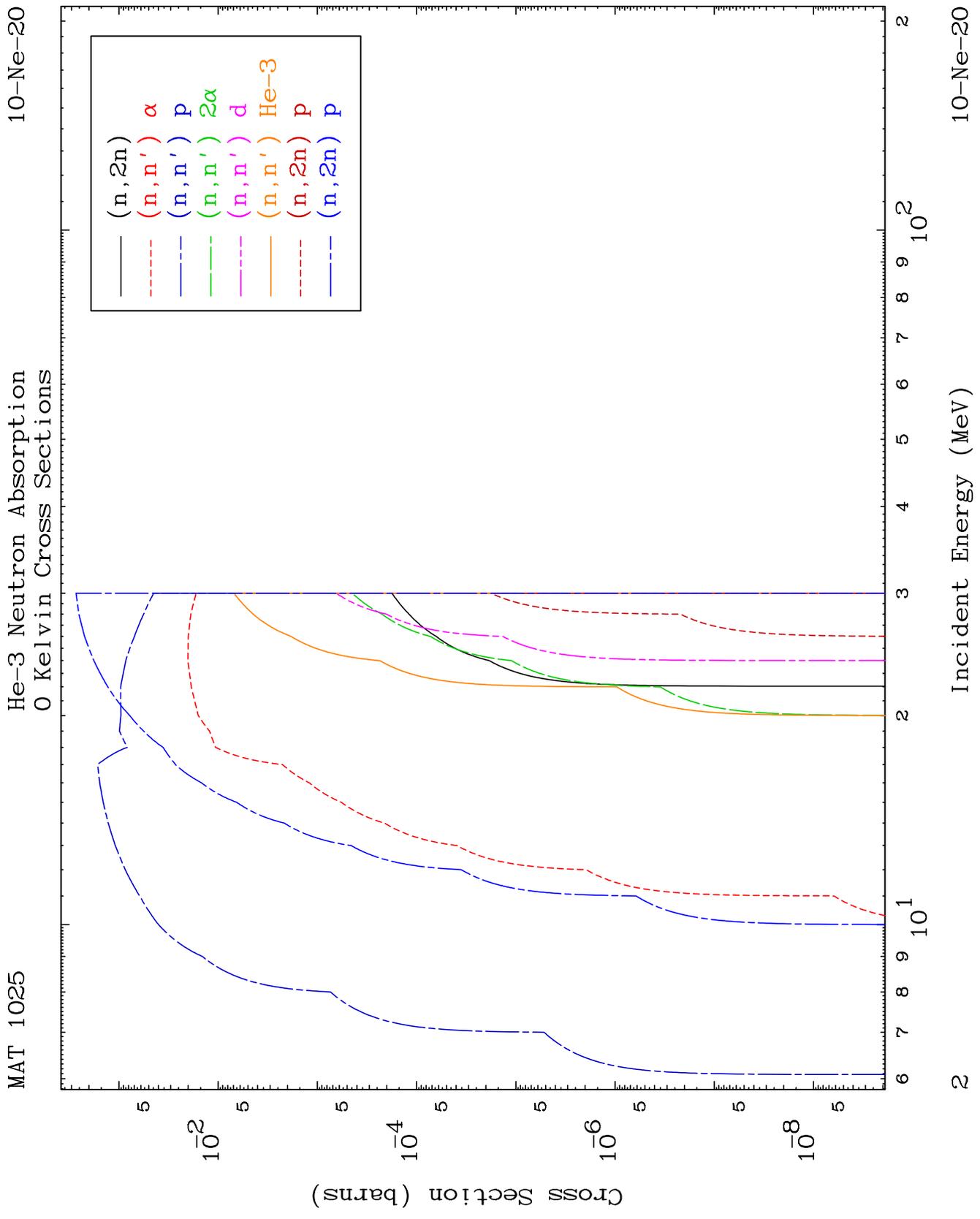Tele: 925-443-1911
E.Mail:redcullen1@comcast.net
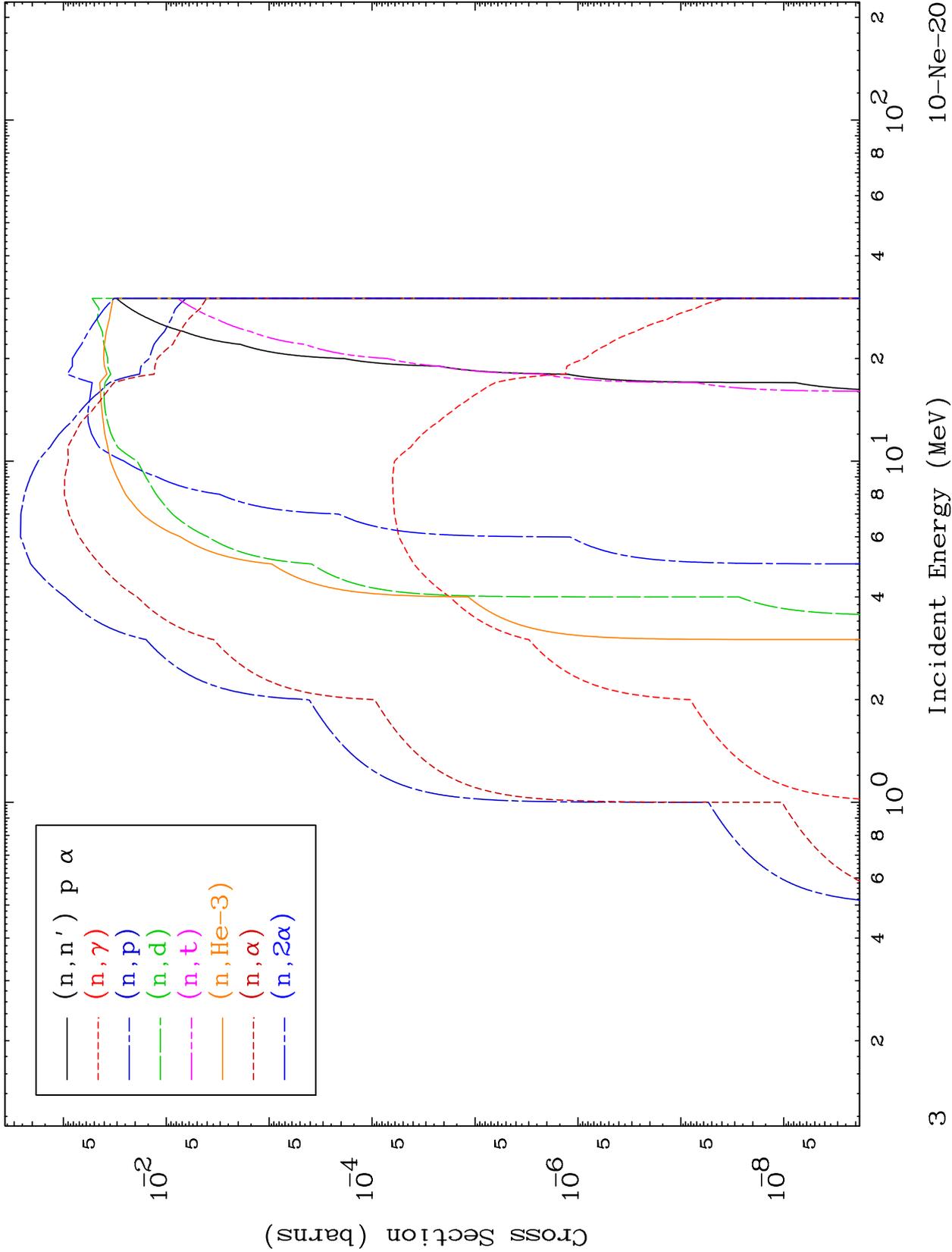Web:redcullen1.net/HOMEPAGE.NEW

Press Mouse Button to Start

MAT 1025

He-3 Major

0 Kelvin Cross Sections

10-Ne-20

Incident Energy (MeV)

Cross Section (barns)

Legend:
- Elastic
- Nonelastic
- Inelastic
- (n,2n)
- (n,γ)

He-3 Neutron Absorption
0 Kelvin Cross Sections

10-Ne-20

MAT 1025

Incident Energy (MeV)

Cross Section (barns)

(n,2n)	
(n,n')	α
(n,n')	p
(n,n')	2α
(n,n')	d
(n,n')	He-3
(n,2n)	p
(n,2n)	p

He-3 Neutron Absorption
0 Kelvin Cross Sections

MAT 1025

10-Ne-20

Incident Energy (MeV)

Cross Section (barns)

Legend:
- (n,n') p α
- (n,γ)
- (n,p)
- (n,d)
- (n,t)
- (n,He-3)
- (n,α)
- (n,2α)

He-3 Neutron Absorption
0 Kelvin Cross Sections

MAT 1025

10-Ne-20

Incident Energy (MeV)

Cross Section (barns)

Legend:
- (n, 3α)
- (n, 2p)
- (n, p) α
- (n, d) 2α
- (n, p) d
- (n, p) t
- (n, d) α
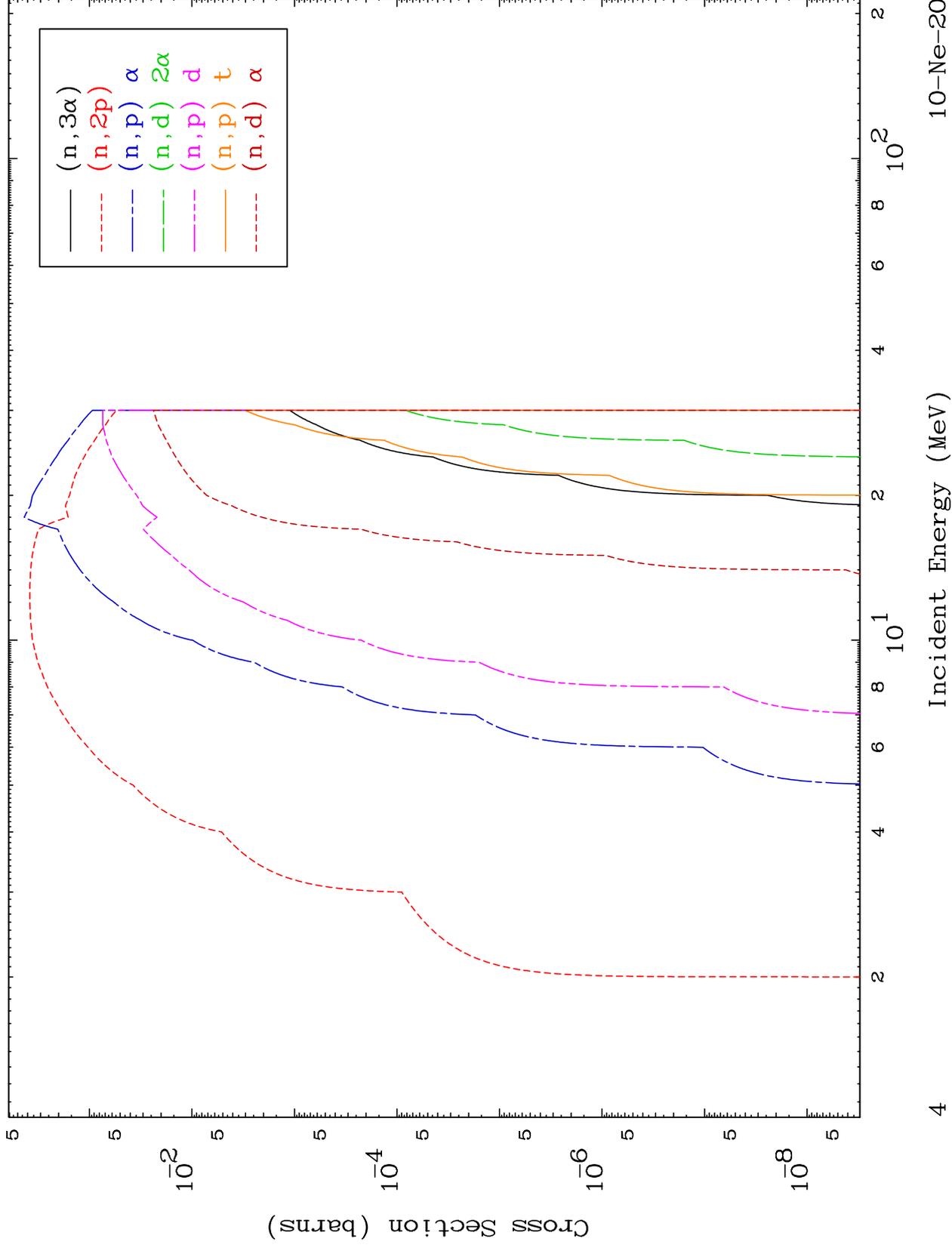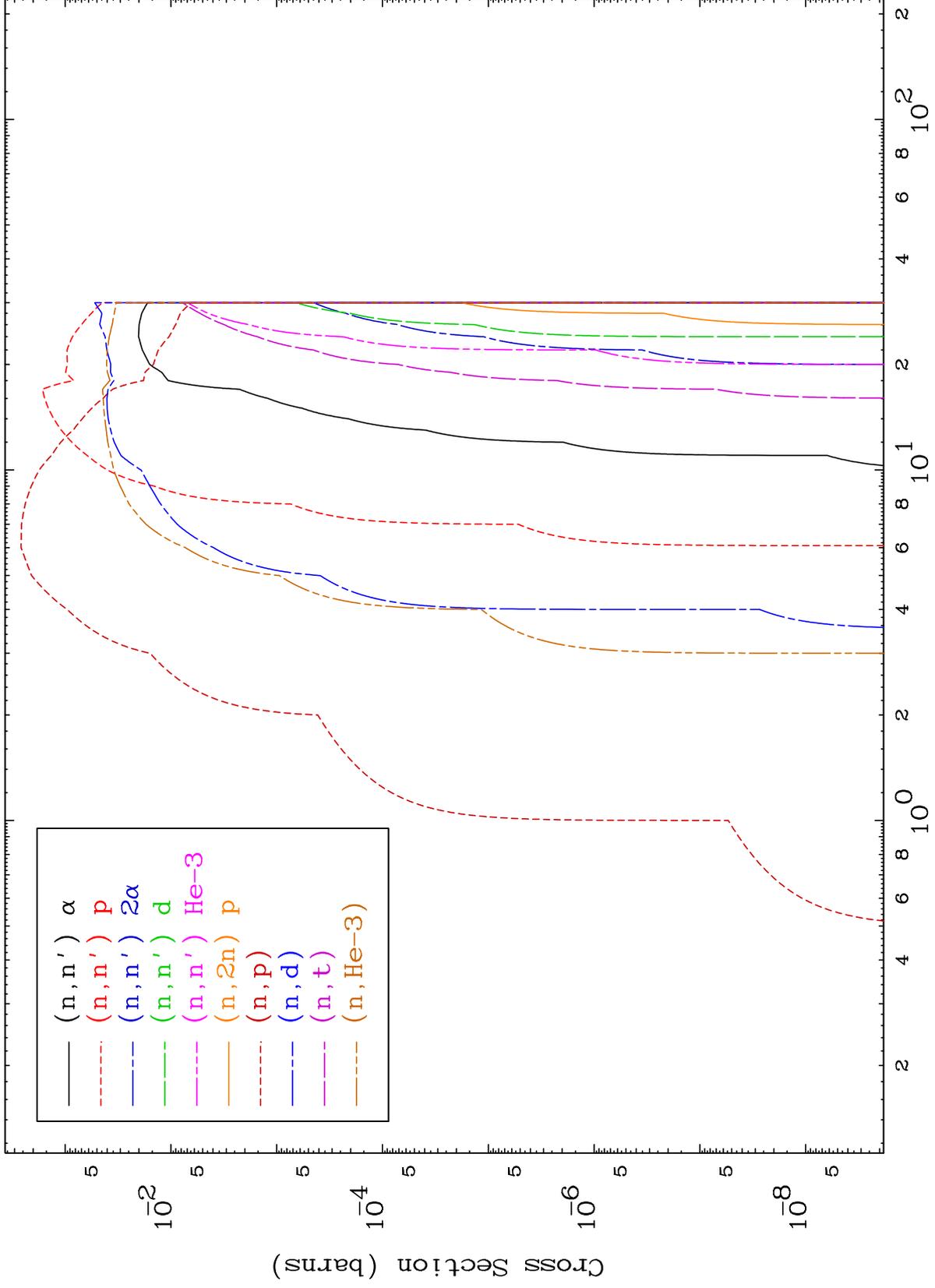
MAT 1025 · He-3 Charged Particle · 0 Kelvin Cross Sections · 10-Ne-20
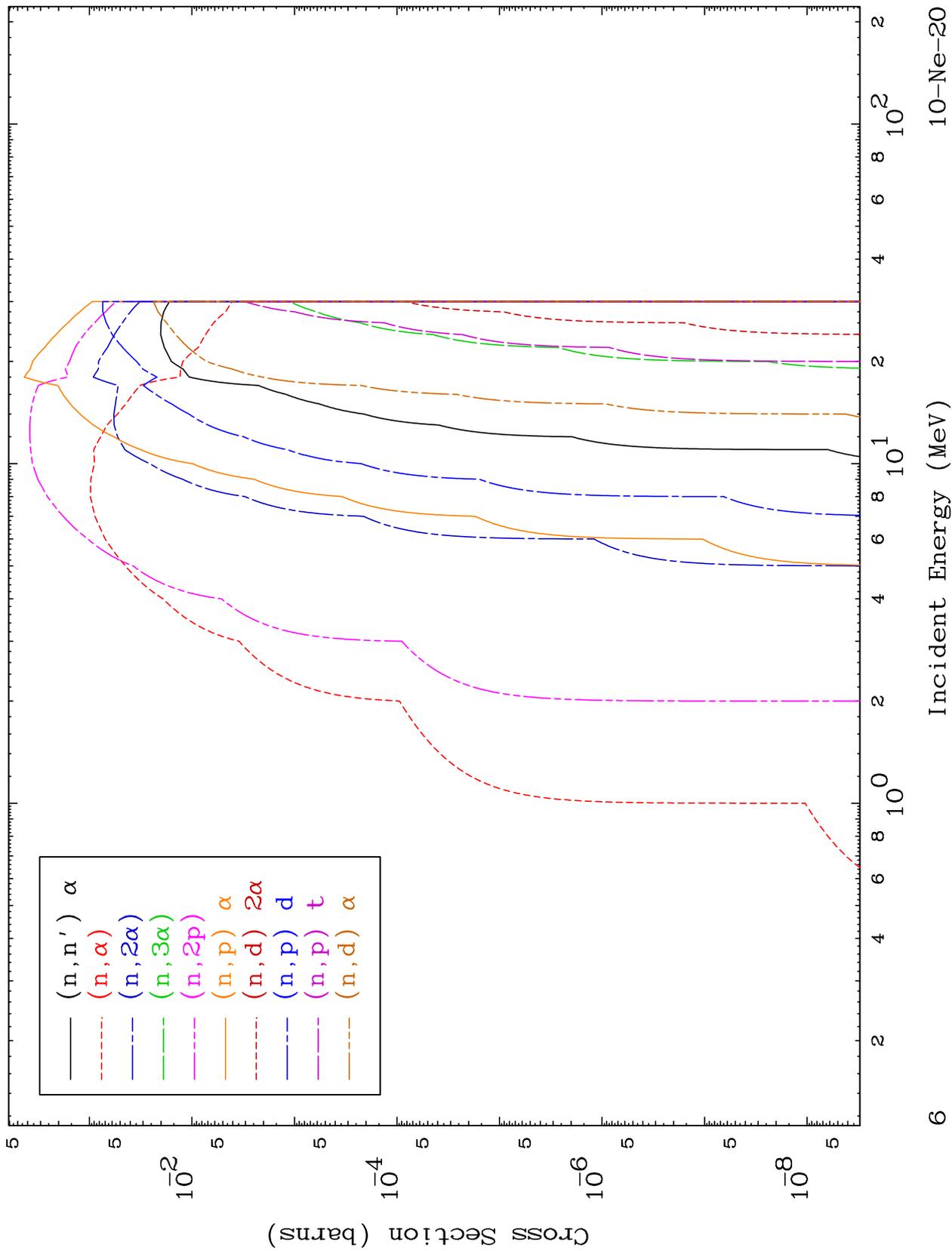
Cross Section (barns) vs Incident Energy (MeV)

Legend:
- (n,n') α — black solid
- (n,n') p — red dashed
- (n,n') 2α — blue dash-dot
- (n,n') d — green long-dash
- (n,n') He-3 — magenta dash-dot
- (n,2n) p — orange solid
- (n,p) — dark red dashed
- (n,d) — blue dash-dot
- (n,t) — magenta long-dash
- (n,He-3) — orange dash-dot

He-3 Charged Particle
0 Kelvin Cross Sections

10-Ne-20

MAT 1025

Cross Section (barns)

Incident Energy (MeV)

Legend:
- (n,n') α
- (n,α)
- (n,2α)
- (n,3α)
- (n,2p)
- (n,p) α
- (n,d) 2α
- (n,p) d
- (n,p) t
- (n,d) α

MAT 1025   (He-3,p) Levels   10-Ne-20
0 Kelvin Cross Sections

Cross Section (barns)

Incident Energy (MeV)

10-Ne-20

—— (n,p)

MAT 1025   (He-3,d) Levels   10-Ne-20
                  0 Kelvin Cross Sections
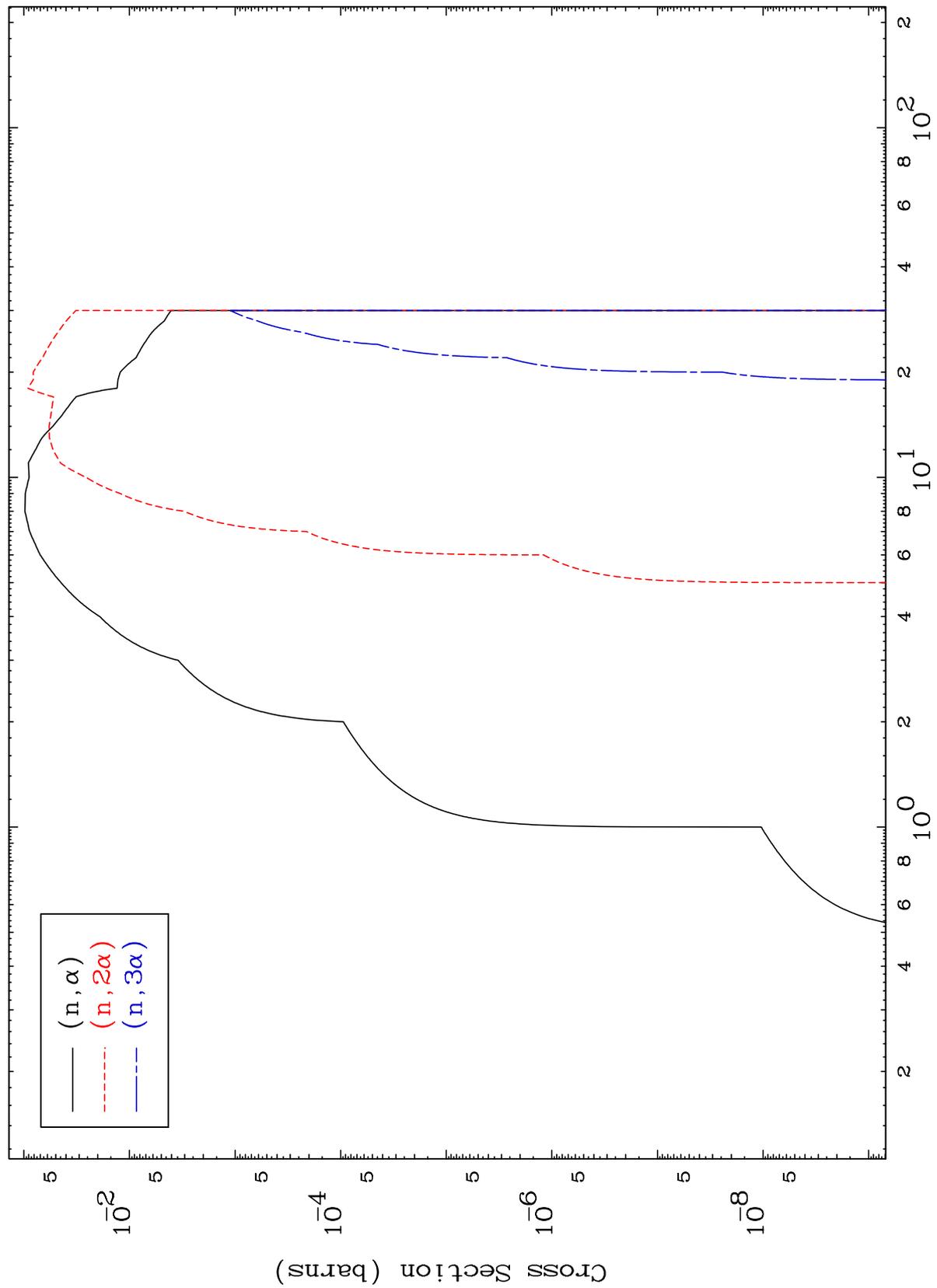
Cross Section (barns)

Incident Energy (MeV)

10-Ne-20

—— (n,d)
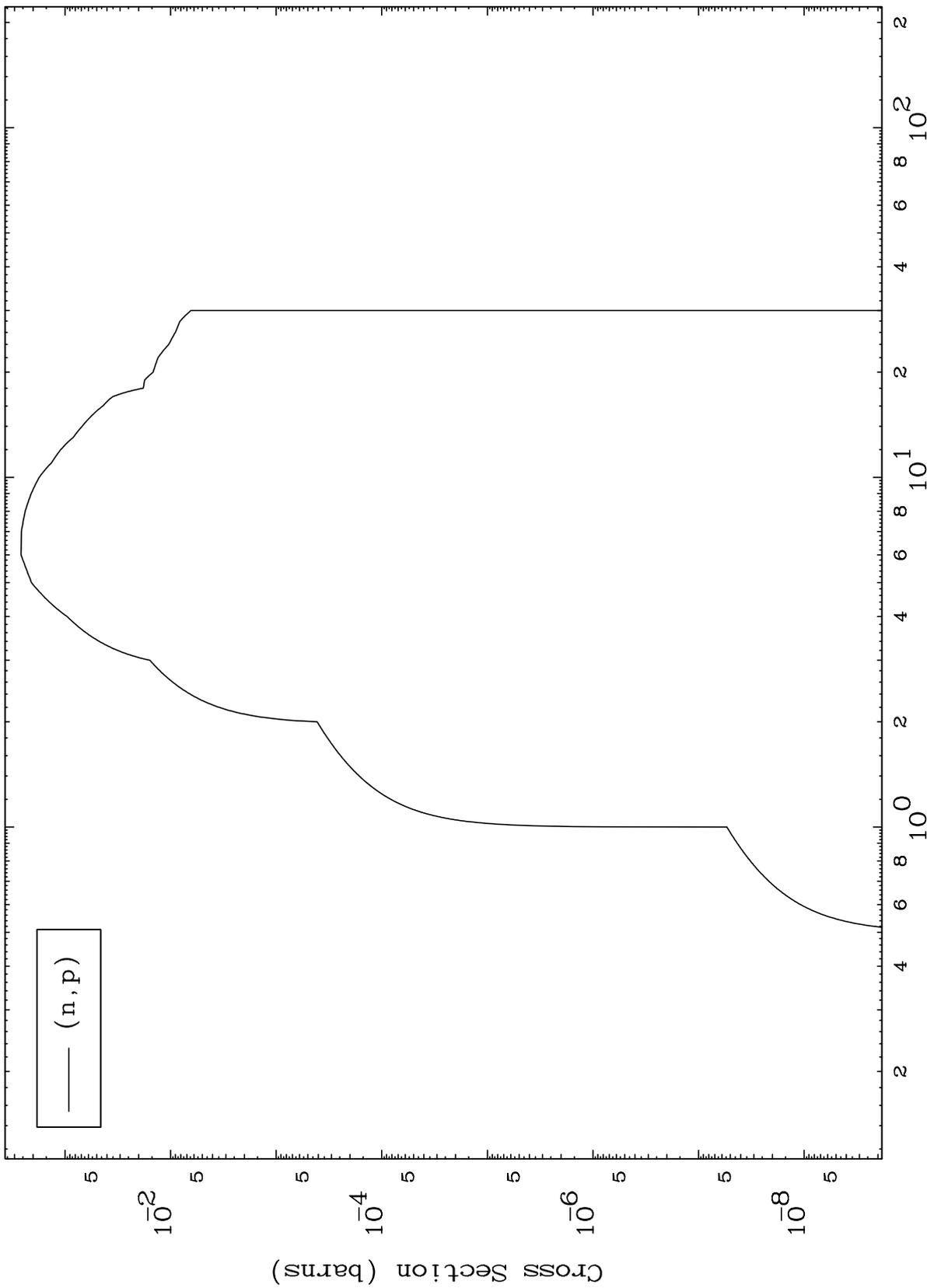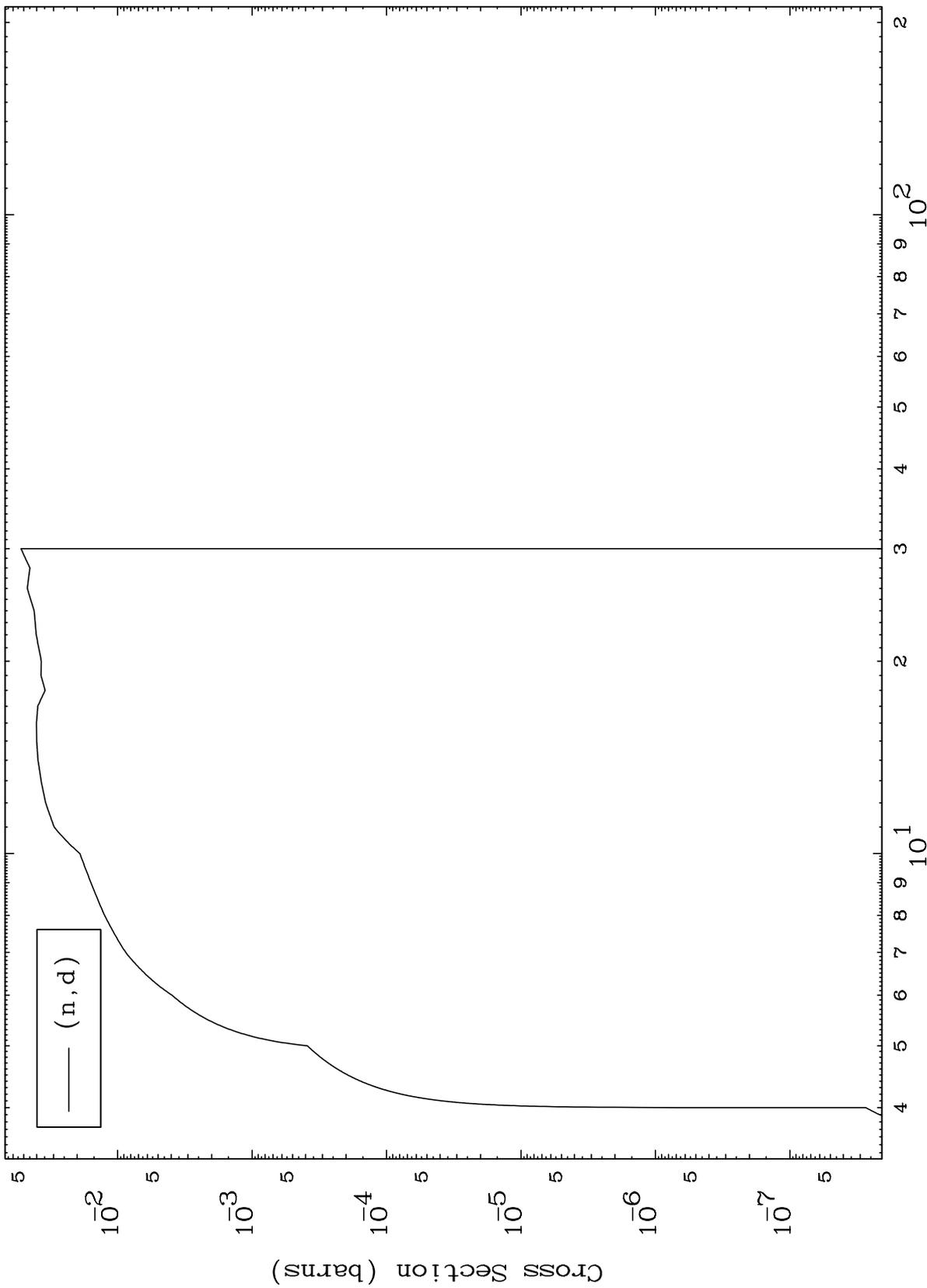
MAT 1025

(He-3,t) Levels
0 Kelvin Cross Sections

10-Ne-20

(n,t)

Incident Energy (MeV)

Cross Section (barns)

MAT 1025   (He-3,He3) Levels   10-Ne-20
0 Kelvin Cross Sections

Cross Section (barns)

Incident Energy (MeV)

10-Ne-20

(n,He-3)

MAT 1025

(He-3,α) Levels
0 Kelvin Cross Sections

10-Ne-20

Cross Section (barns)

Incident Energy (MeV)

Legend:
(n,α)
(n,2α)
(n,3α)