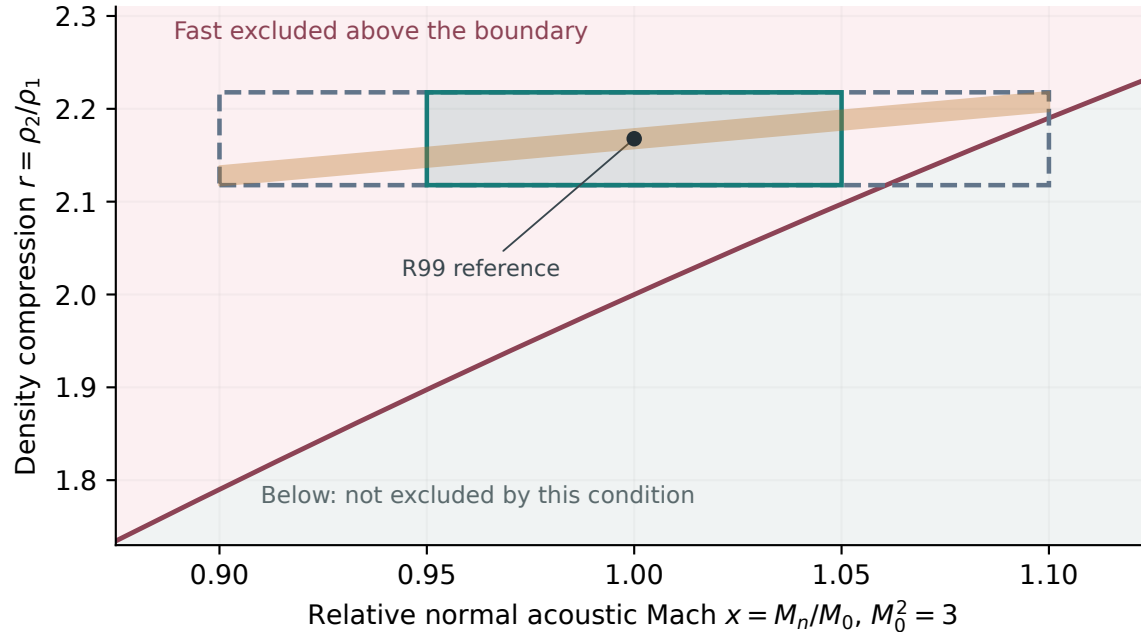


Does the fast exclusion survive input errors?

RMO100 | Same R99 reference | Hard model bounds | Magnetic field unspecified

(a) Which combinations are allowed?



— Necessary fast bound A · narrow box
- - - B · wide box C · dependent strip

All sets: compression error ± 0.05 ; $\gamma = 5/3$. Positive margin $r - 4x^2/(1+x^2)$ excludes fast.

Exact rational certificates, not a grid test. Model bounds are not confidence intervals; overlap does not establish a fast state or a unique slow type.

(b) A bound over every allowed point

A · Mach $\pm 5\%$ · all combinations

Fast excluded over the whole set

Minimum exclusion margin: $+0.02027$

B · Mach $\pm 10\%$ · all combinations

Exclusion no longer certified

Minimum exclusion margin: -0.07227

C · Same bounds as B · dependent strip

Fast excluded over the whole set

Minimum exclusion margin: $+0.007728$

**B and C have the same marginal error limits.
Only the allowed combinations differ.**