Speed of sound as a function of density
$\Delta = 100\text{MeV}, m_s = 150\text{MeV}, c = 0.3$

Legend:
- $B^{1/4} = 10.0\text{MeV}$
- $B^{1/4} = 17.4\text{MeV}$
- $B^{1/4} = 24.9\text{MeV}$
- $B^{1/4} = 32.3\text{MeV}$
- $B^{1/4} = 39.7\text{MeV}$
- $B^{1/4} = 47.2\text{MeV}$
- $B^{1/4} = 54.6\text{MeV}$
- $B^{1/4} = 62.1\text{MeV}$
- $B^{1/4} = 69.5\text{MeV}$
- $B^{1/4} = 76.9\text{MeV}$
- $B^{1/4} = 84.4\text{MeV}$
- $B^{1/4} = 91.8\text{MeV}$
- $B^{1/4} = 99.2\text{MeV}$
- $B^{1/4} = 106.7\text{MeV}$
- $B^{1/4} = 114.1\text{MeV}$
- $B^{1/4} = 121.5\text{MeV}$
- $B^{1/4} = 129.0\text{MeV}$
- $B^{1/4} = 136.4\text{MeV}$
- $B^{1/4} = 143.8\text{MeV}$
- $B^{1/4} = 151.3\text{MeV}$
- $B^{1/4} = 158.7\text{MeV}$
- $B^{1/4} = 166.2\text{MeV}$
- $B^{1/4} = 173.6\text{MeV}$
- $B^{1/4} = 181.0\text{MeV}$
- $B^{1/4} = 188.5\text{MeV}$
- $B^{1/4} = 195.9\text{MeV}$
- $B^{1/4} = 203.3\text{MeV}$
- $B^{1/4} = 210.8\text{MeV}$
- $B^{1/4} = 218.2\text{MeV}$
- $B^{1/4} = 225.6\text{MeV}$
- $B^{1/4} = 233.1\text{MeV}$
- $B^{1/4} = 240.5\text{MeV}$
- $B^{1/4} = 247.9\text{MeV}$
- $B^{1/4} = 255.4\text{MeV}$
- $B^{1/4} = 262.8\text{MeV}$
- $B^{1/4} = 270.3\text{MeV}$
- $B^{1/4} = 277.7\text{MeV}$
- $B^{1/4} = 285.1\text{MeV}$
- $B^{1/4} = 292.6\text{MeV}$
- $B^{1/4} = 300.0\text{MeV}$
- RMF

v_s^2

$\rho[\text{fm}^{-3}]$