

**FORMULA 3.331.4**

$$\int_0^{\infty} (1 - e^{-x})^{\nu-1} e^{-be^x - \mu x} dx = \Gamma(\nu) b^{(\mu-1)/2} e^{-b/2} W_{\frac{1-\mu-2\nu}{2}, -\frac{\mu}{2}}(b)$$