document Sum rules and short-range correlations in nuclear matter at finite temperature T. Frick and H. Müther Institut für Theoretische Physik, A. Polls Departament d’Estructura i Constituents de la Matèria, abstract The nucleon spectral function in nuclear matter fulfills an energy weighted sum rule. Comparing two different realistic potential, these sum rules are studied for Green’s functions that are derived self-consistently within the $T$ matrix approximation at finite temperature.