Errata

Erratum: Vector mesons in the nuclear medium with a finite three-momentum [Phys. Rev. C 57, 927 (1998)]

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A minor FORTRAN error was found in calculating Eqs. (7) and (8). With the corrections, the numbers for the ρ,ω mesons in Tables I and II and Eq. (19) should be modified slightly. The corrections are as follows.

Tables should read as follows.

TABLE I. $b_2(q)[b_2(G)]$ represents the contribution of quark (gluon) operators to b_2. b_{32} (b_{34}) represents the contribution of the $\tau=2$ ($\tau=4$) operators to b_3. The units for b_2, b_3 are GeV and GeV^3, respectively.

	$b_2^L(q)$	$b_2^L(G)$	b_{32}^L	b_{34}^L	$b_2^T(q)$	$b_2^T(G)$	b_{32}^T	b_{34}^T
ρ	−0.026	−0.014	0.047	0.096	0.518	−0.025	0.242	0.060
ω	−0.026	−0.014	0.047	0.096	0.518	−0.025	0.242	0.138
ϕ	−0.004	−0.028	−0.003	0.052	0.074	−0.049	−0.002	0.015

TABLE II. Results for the parameters at nuclear matter density. The values are from best fit of the Borel sum rule in Eq. (18). The values in the bracket are the results without the scattering term.

	a	f	s	Borel interval GeV^2
Transverse ρ	−0.108	0.190	−0.028	0.8∼2.3
Transverse ω	−0.081	0.171	0.010	1.1∼2.5
Longitudinal ρ,ω	0.023	0.066	0.029	2.5∼3.5
	(0.061)	(−0.042)	(0.042)	
Transverse ϕ	0.004	0.010	0.009	0.9∼2.0
Longitudinal ϕ	0.009	0.001	0.009	2.0∼3.0

Equation (19) and the subsequent sentence should read as follows:

$$\frac{m_\rho(n_n)}{m_\rho(0)} = 1 - (0.16 \pm 0.06)\,\frac{n_n}{n_0} - (0.023 \pm 0.007)\left(\frac{\mathbf{q}}{0.5}\right)^2 \frac{n_n}{n_0},$$

where $\mathbf{q}$ is in the GeV unit and n_0 is the nuclear saturation density. -0.023 changes to -0.016 (0.0005) for the $\omega(\phi)$ meson.

All other numbers and the conclusions remain the same.

