At first, the fit was done for all mass region, but the fit could not reproduce our data. The fitting $\chi^2$/dof was 371/162 and 316/162 for the carbon and copper target, respectively. Then we made the fit for the data excluding the low-mass side of $\omega$ peak has been observed.

The tendency of the excess for C and Cu are well reproduced by the model including the mass modification.

$\rho/\omega$ interference

KEK PS-E325 experiment measured $e^+e^-$ pairs in 12GeV p+Au reactions to investigate invariant mass of vector mesons decaying in nuclear matter.

We have observed the excess over the known hadronic sources at low-mass side of $\omega$. Obtained $\rho/\omega$ ratio indicates that the excess is mainly due to the modification of $\rho$ mesons.

$\rho/\omega$ interference did not explain our data.

Model calculation based on the mass modification reproduced the tendency of the data. The fit result shows that the mass of $\rho/\omega$ meson decreases 9% at normal nuclear density.