

Meeting minutes

Attendance: Kai, Yuzhen, Ryuta, Suyu, Shan

For Ryuta,

Q: According to the summary "The result favors the scenario of the mass of dark matter is larger than 1 TeV.", is it not necessary for BES III to search for dark matter?

A: It is the decay of dark matter to observable matter, not the decay of observable matter to dark matter.

Q: How do you prove that the final states come from dark matter, not the normal matter particle?

A: this is a critical question. on page 2, there're new published results show new results of the sources of the cosmic rays. So this work is based on the understanding of the normal source of the cosmic rays.

Q: what's WIMP

A: weakly interacting particle, note that it is weakly not weak.

For Suyu,

Q: Why measure the $J/\psi \rightarrow \mu\mu$ yourself, we have a better result on the PDG?

A: Because we give the relative branch ratio finally, we can eliminate some of the systematic uncertainties.

Q: For the decay " $\chi_{c1} \rightarrow \gamma + \text{invisible}$ ", " $\chi_{c1} \rightarrow \gamma + \gamma$ ", χ_{c1} means χ_{c10} or others?

A: It's χ_{c10} . We may do χ_{c12} later. This decay of χ_{c11} is forbidden.

Q: Why do you expect a plus result?

A: Because the plus result means there is dark matter.