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Experimental problems related with ultra cold atoms JINA PARK, DAHYUN YUM, WANHEE LEE, WONHO JHE, Department of Physics and Astronomy, Seoul National University — We have been trying to obtain ultra cold atoms. We always faced some troubles. Part of the things were solved. (see Wanhee Lee's poster) But it still exists that stop our research from going further. In this poster, I will show the problems that we have. And I will also deal with the experimental setup related with our future research. We are using time orbiting potential (TOP) trap. So we are interest in studying the motion of cold atoms on the optical lattice confined by TOP potential.

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