## 24th Australian Institute of Physics Congress



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## New developments in the transcorrelated method for multicomponent quantum gases

Tuesday 13 December 2022 18:45 (15 minutes)

We report results for the transcorrelated method applied to multicomponent quantum gases. We discuss applications of our methods to few atom systems that are achievable in experimental setups, as well as to liquid droplets and heavy impurities in quantum gases.

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