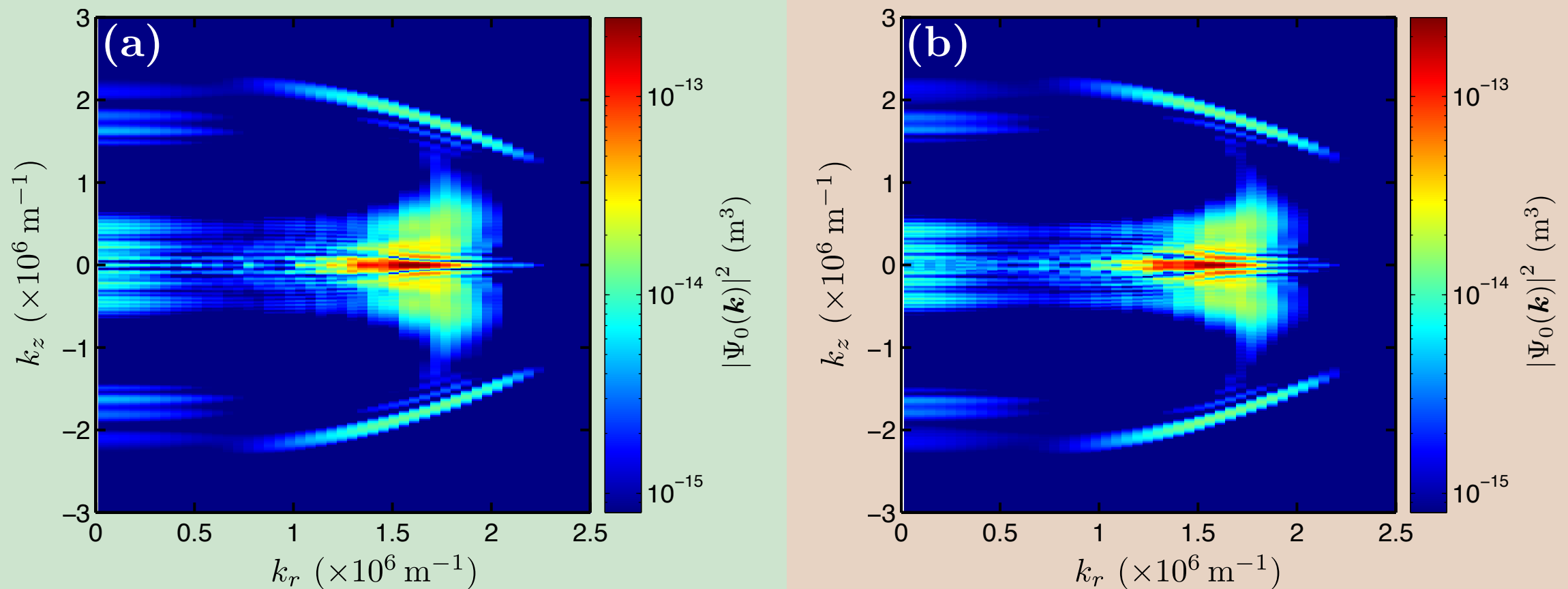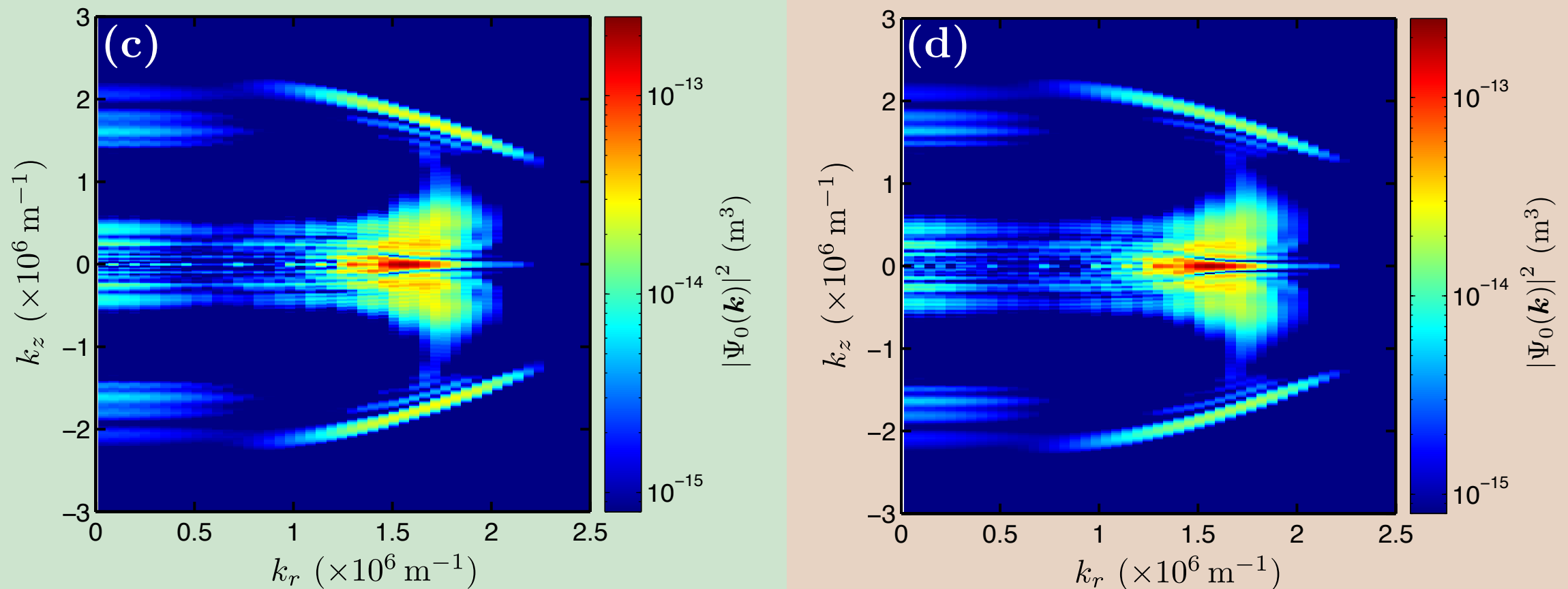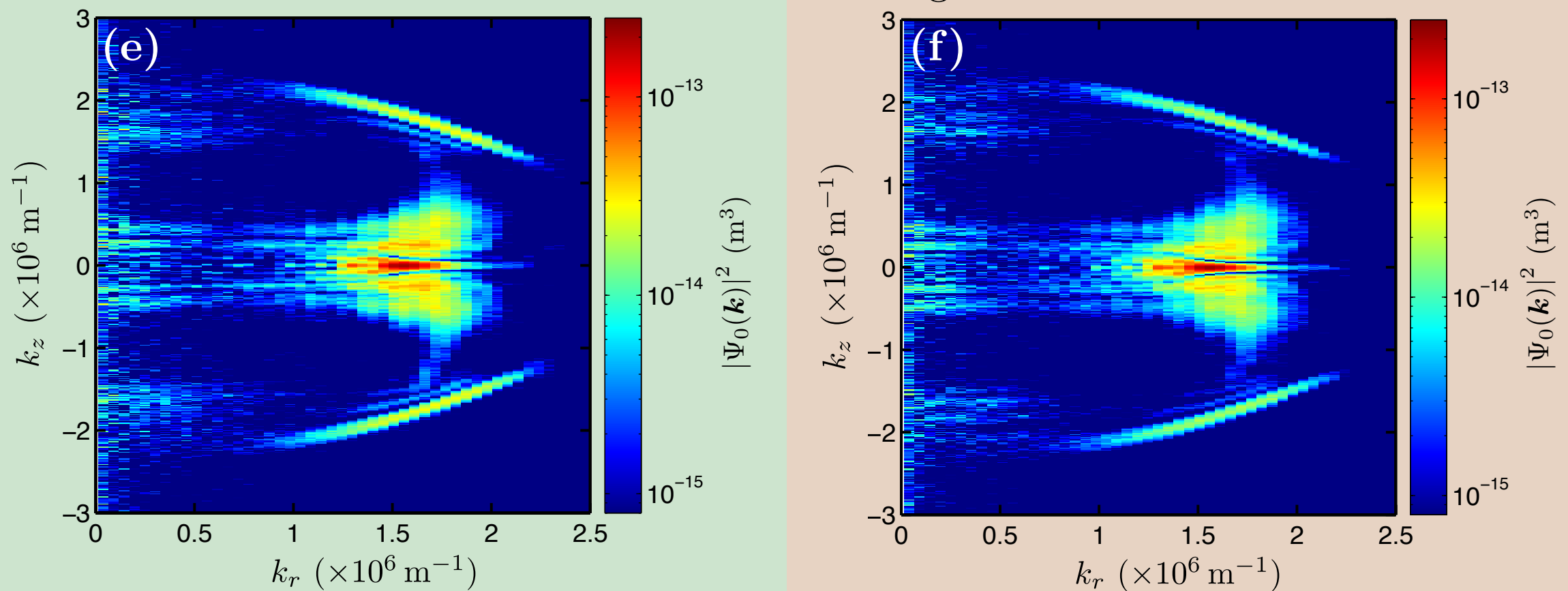Three level Gross-Pitaevskii model

Two level Gross-Pitaevskii model

Two level Truncated Wigner model

Without Penning ionisation

With Penning ionisation