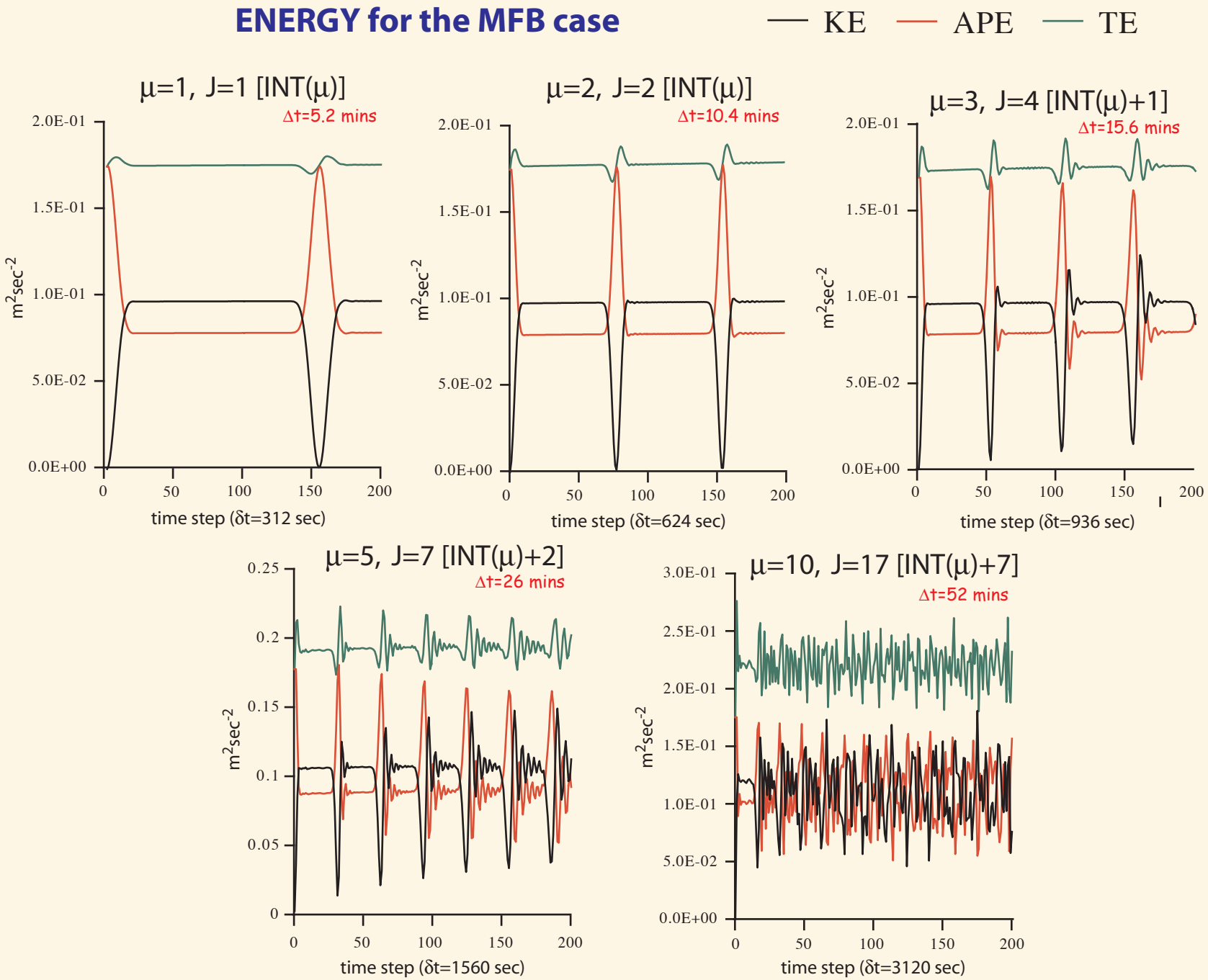ENERGY for the MFB case