

Abstract Submitted
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Solid phases in atoms - polar molecules mixtures BARBARA
CAPOGROSSO-SANSONE, ITAMP — We study solid phases of a mixture of atoms
and polar molecules. On one hand we find that the presence of atoms facilitate the
formation of a solid phase, which appears at lower dipole interaction strengths than
in the absence of atoms. On the other hand, the presence of molecules allows for
the realization of atomic solid phases at higher temperatures, than those required
with e.g. multi-component atomic mixtures.

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