

XPS Study of Ionic Liquid Solutions in UHV

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Room Temperature Ionic Liquids (RTILs) are attractive solvents, as they are non-volatile, non-flammable, have a high thermal stability and avirulence. Especially, RTILs have nearly zero vapor pressure. That is a good characteristic for investigation in UHV condition for XPS operation. RTIL system is not studied in UHV system extensively yet. We report the results of XPS study some pure RTILs.