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FLUOROPHOSPHINE METAL COMPLEXES: SYNTHESIS, NMR, PHOTO-ELECTRON, ELECTROCHEMICAL AND STRUCTURAL ASPECTS

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The syntheses, nmr and He(I) photoelectron spectra of some fluorophosphine complexes of the type $Cr(CO)_5L$ cis $M(CO)_4L_2$ $(L = PF(OCH_2)_2$, $PFC_6H_4O_2$, PF_2NHBu or $L_2 = (PF_2)_2NMe$,) and related compounds will be described and reversible one electron oxidation potential data from cyclic voltammetry reported. Structural aspects of a variety of Rh and Ir complexes containing fluorophosphine ligands will be presented and their potential as pseudo 1-dimensional metal complexes assessed.