```
def run_NorSand_simus_P(final_comp,dictpos,n_samples_2,path_xlsm):
    letras = list(string.ascii_uppercase)
    wb = xw.Book(path_xlsm)
    app = wb.app
    macro_vba = app.macro("'NorTxl.xlsm'!RunSim")
    macro_vba_type = app.macro("'NorTxl.xlsm'!ChangeSimMode")
    ws = wb.sheets["Params & Plots"]
    results_comp = []
    for idini,new_v in enumerate(final_comp):
        matv = int(math.floor(idini/n_samples_2))
        for nv,ps in zip(new_v,dictpos.values()):
            pl,pc = ps
            pfinal = letras[pc-1]+str(pl)
            ws[pfinal].value = nv
        for type_v in ["Drained","Undrained"]:
            if ws["D34"].value == type_v:
                pass
            else:
                macro_vba_type()
            macro_vba()
            ws_results = wb.sheets["Txl SimResults"]
            np_arr = (ws_results['A4'].expand('table')).value
            path_xlsm_init = ("\\").join(path_xlsm.split("\\")[:-1])
            new_h5_file = path_xlsm_init+
            '\\Simus\\'+type_v+"\\Par_"+str(matv)+"_"+str(idini)+".h5"
            new_h5_file_spl = new_h5_file.split("\\")
            for va in range(-3,0):
                try:
                    os.mkdir(os.path.join(*new_h5_file_spl[:va]))
                except:
                    pass
            h5f = h5py.File(new_h5_file, 'w')
            dd = h5f.create_dataset('NorSandTXL',
            ↪  data=np.array((ws_results['A4'].expand('table')
            ).value).astype(np.float32),compression='gzip')
            for keyv,pvalu in zip(dictpos.keys(),new_v.astype(np.float32)):
                dd.attrs[keyv] = pvalu
            dd.attrs["Type"] = type_v
            h5f.close()
```