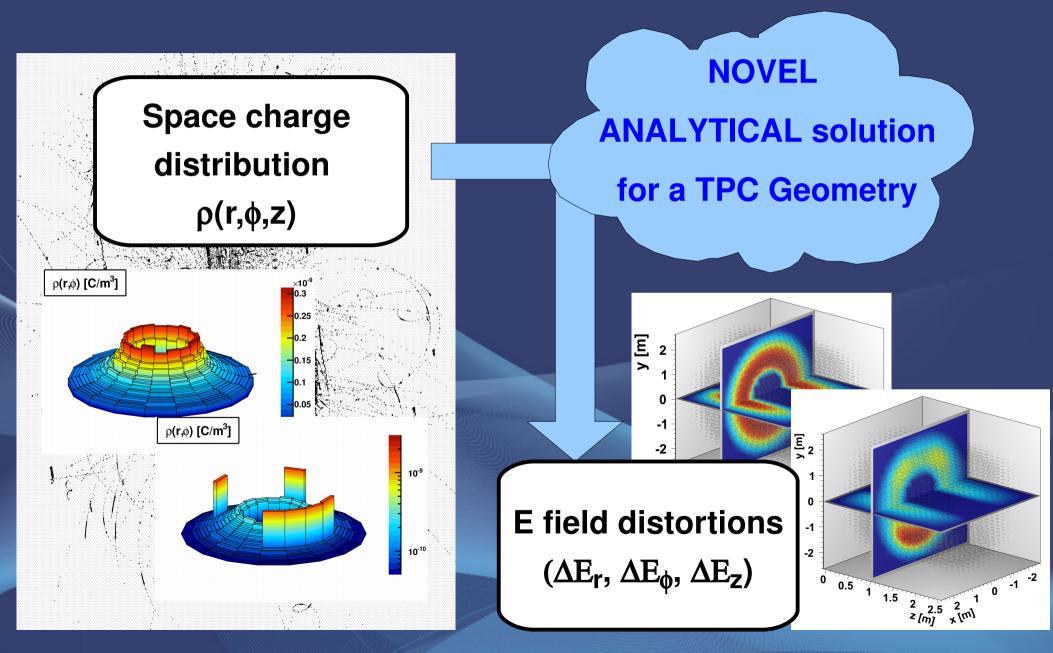
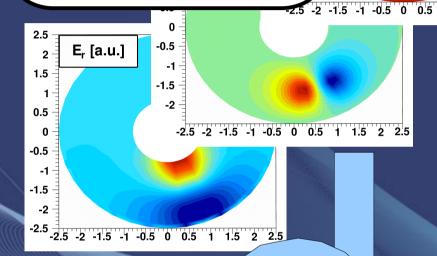
An analytical approach to space charge distortions for TPCs



E field distortions $(\Delta E_r, \Delta E_{\phi}, \Delta E_z)$

E, [a.u.]



CONCLUSION

Fast and accurate calculations of drift distortions within TPCs due to Space Charges and more ...

LANGEVIN equation including B-field,

E-field and gas properties

Space Point distortions $(\Delta r, \Delta \phi, \Delta z)$

