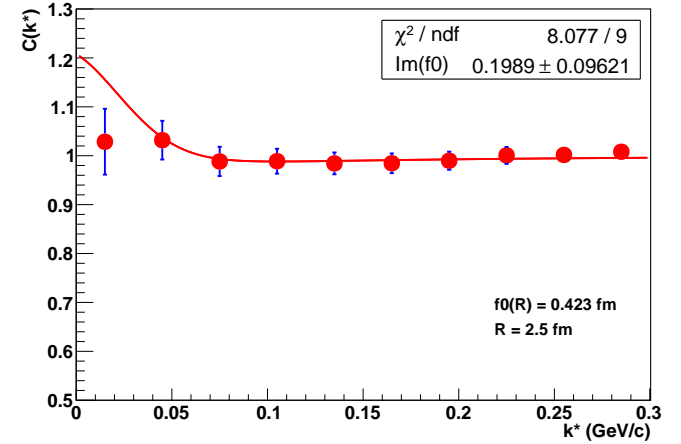
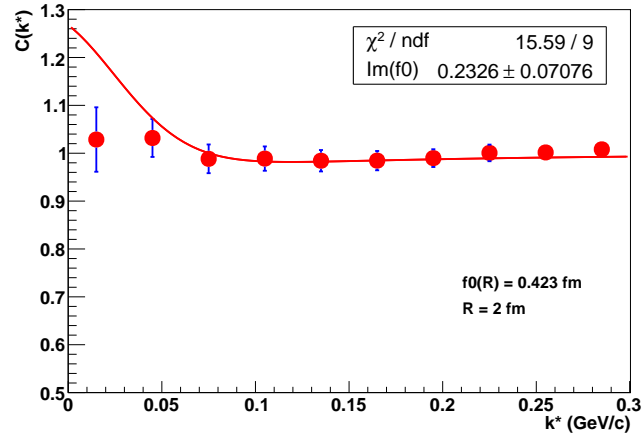
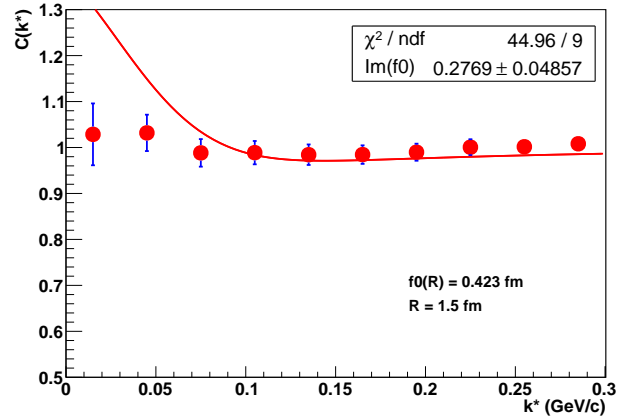
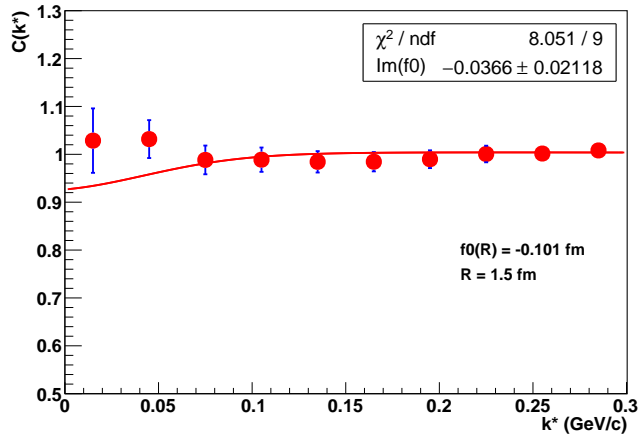


Example of fits with LL model, fixed f_0 using Torres-Rincon model

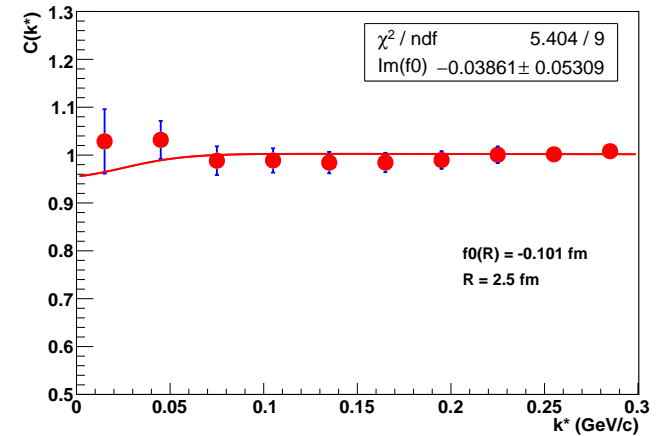
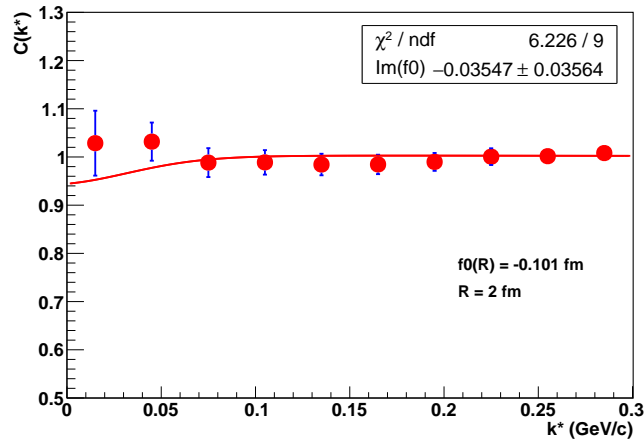
$l = 1/2, f_0 = 0.423 \text{ fm}$



$l = 3/2, f_0 = -0.101 \text{ fm}$



$C(k^*)$ for $D^0\text{-}\pi$

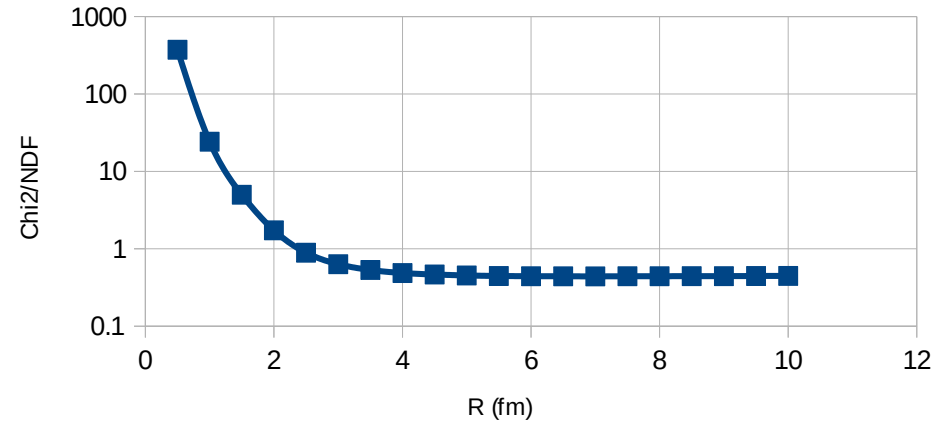


Re(f_0) = 0.423 fm
Torres-Rincon ($l = 1/2$)

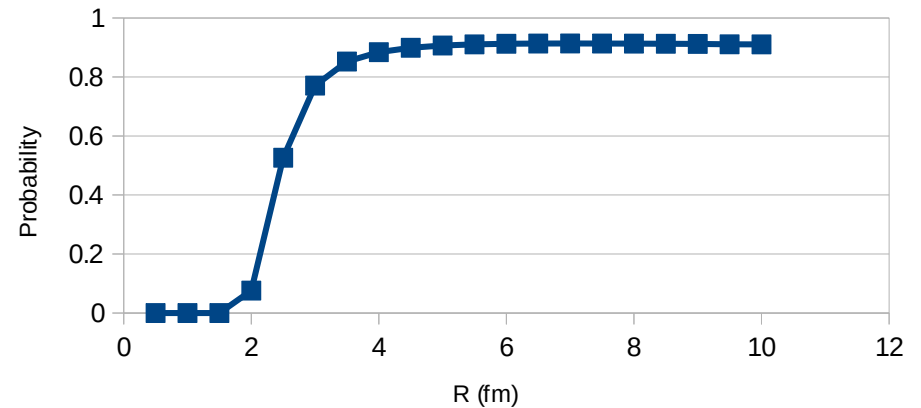
$D^0-\pi$

R (fm)	Chi2/NDF
0.5	3359/9
1	218/9
1.5	44.96/9
2	15.59/9
2.5	8.077/9
3	5.688/9
3.5	4.788/9
4	4.387/9
4.5	4.183/9
5	4.072/9
5.5	4.013/9
6	3.983/9
6.5	3.97/9
7	3.968/9
7.5	3.972/9
8	3.977/9
8.5	3.984/9
9	3.991/9
9.5	4.009/9
10	4.014/9

Chi2/NDF vs R



Probability vs R



Source size can't be lower than 2 fm
(further checks are ongoing to see in detail
the X^2 values in the range of $R = 1.5 - 2$ fm)

Current data can't pin down the exact higher limit of source size (R),
maximum R could be equivalent to the fireball size at freezeout

