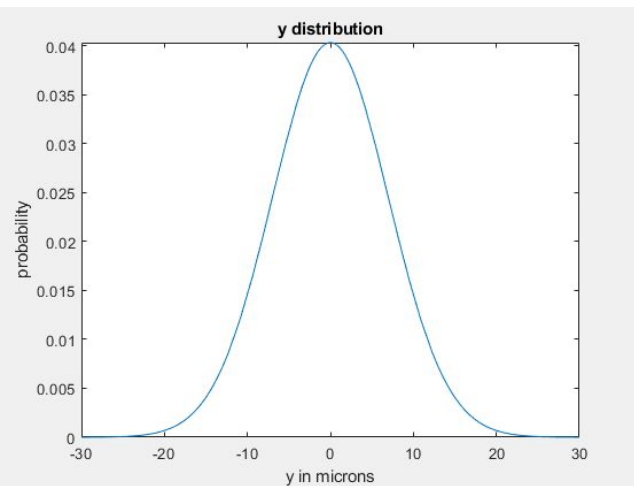
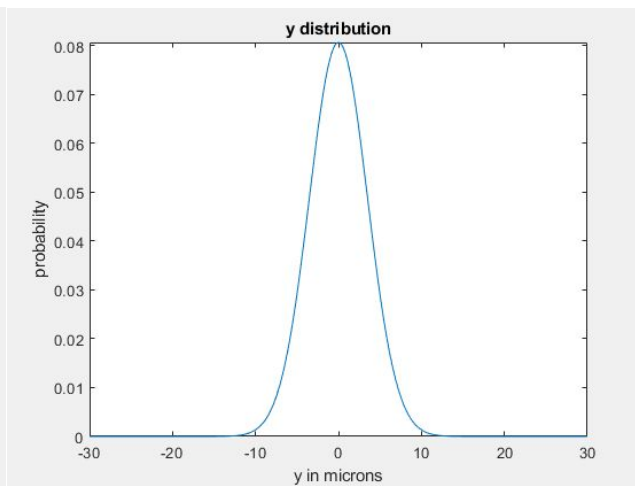


# No timing errors



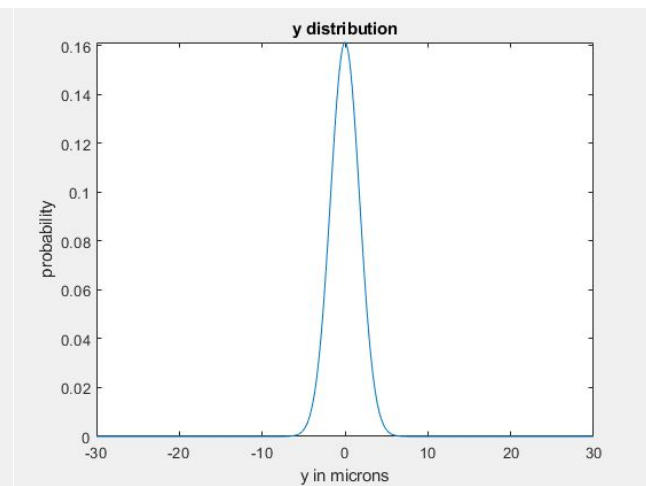
**.1% error**

**Standard deviation:  
9.90  $\mu\text{m}$**



**.05% error**

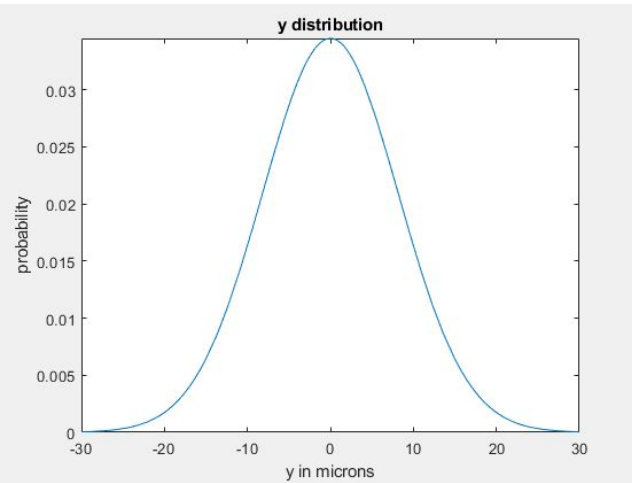
**Standard deviation:  
4.95  $\mu\text{m}$**



**.025% error**

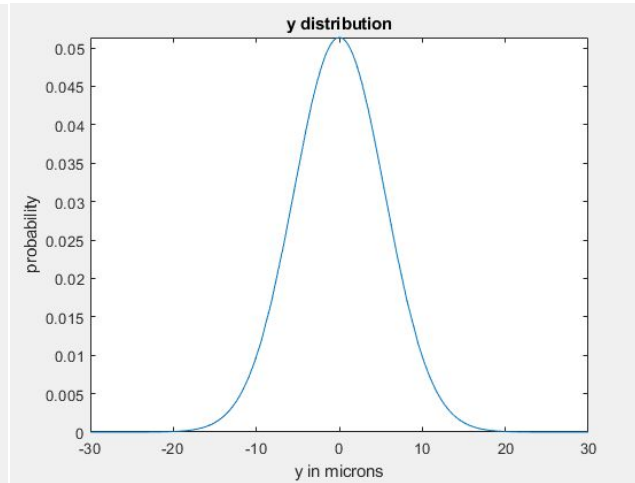
**Standard deviation:  
2.48  $\mu\text{m}$**

# Timing jitter of 10.25ps (6.0 um error)



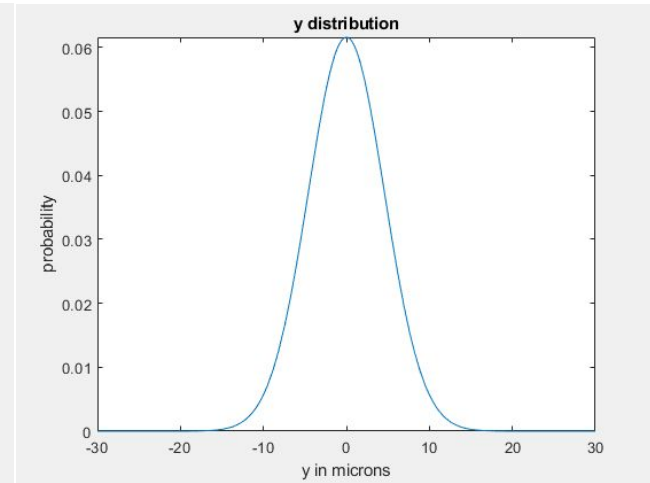
**.1% error**

**Standard deviation:  
11.6 um**



**.05% error**

**Standard deviation:  
7.8 um**

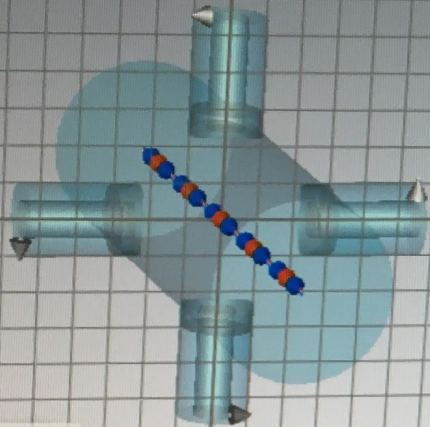


**.025% error**

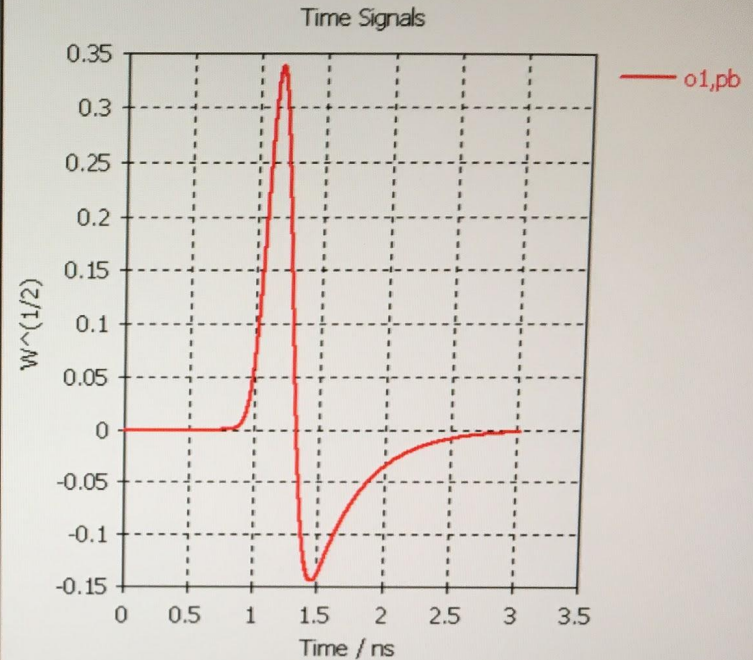
**Standard deviation:  
6.5 um**

3D

1D Results\Port signals\o1,pb

**ParticleBeam**

Sigma  
Max. beam frequency (-  
Beta  
Charge

**Parameter List**

Name	Expression	Value	Description
mesh_dense	= 20	20	
electrode_radius	= 0.95*coax_outer_ra...	9.5	radius of the pickup electrode
electrode_height	= 5	5	height of the pickup electrode

**Messages**

# CST information needed

- Dimensions
- Materials
- Beam parameters (gaussian?)