

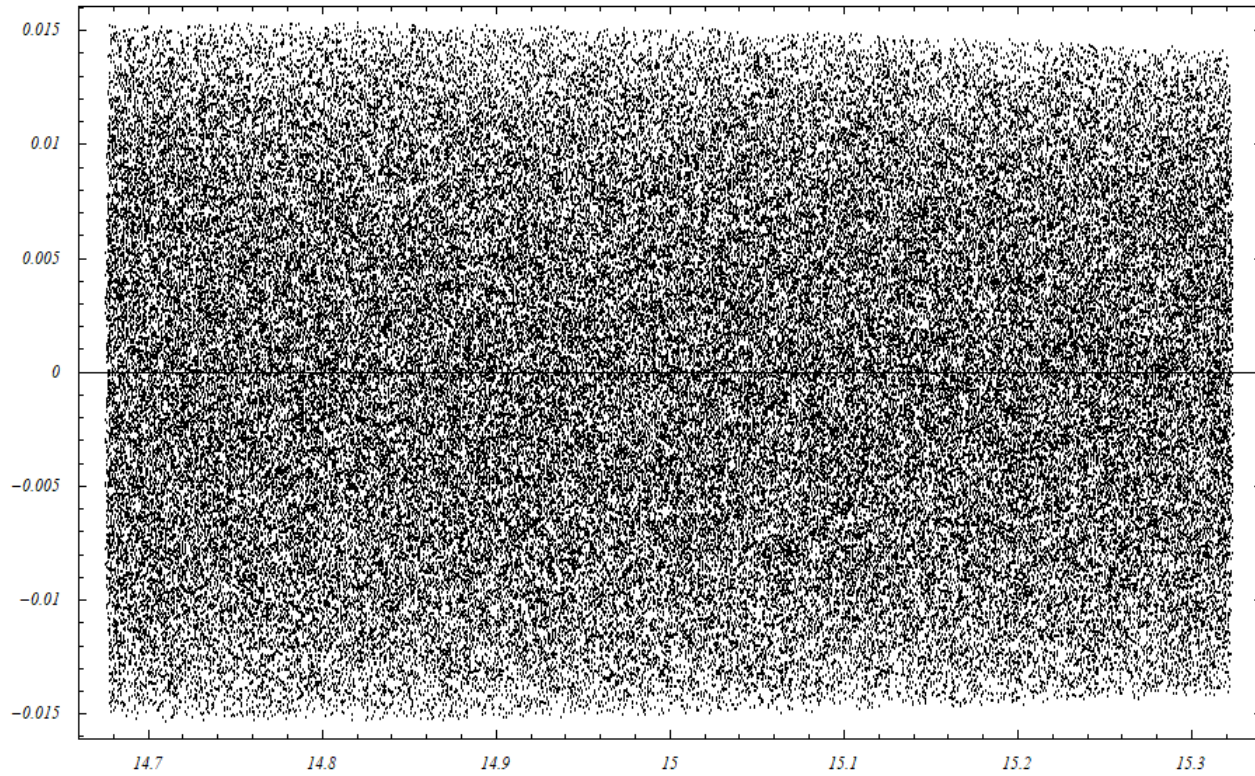
# Arc Study, update

J.Pasternak, 15/12/2025

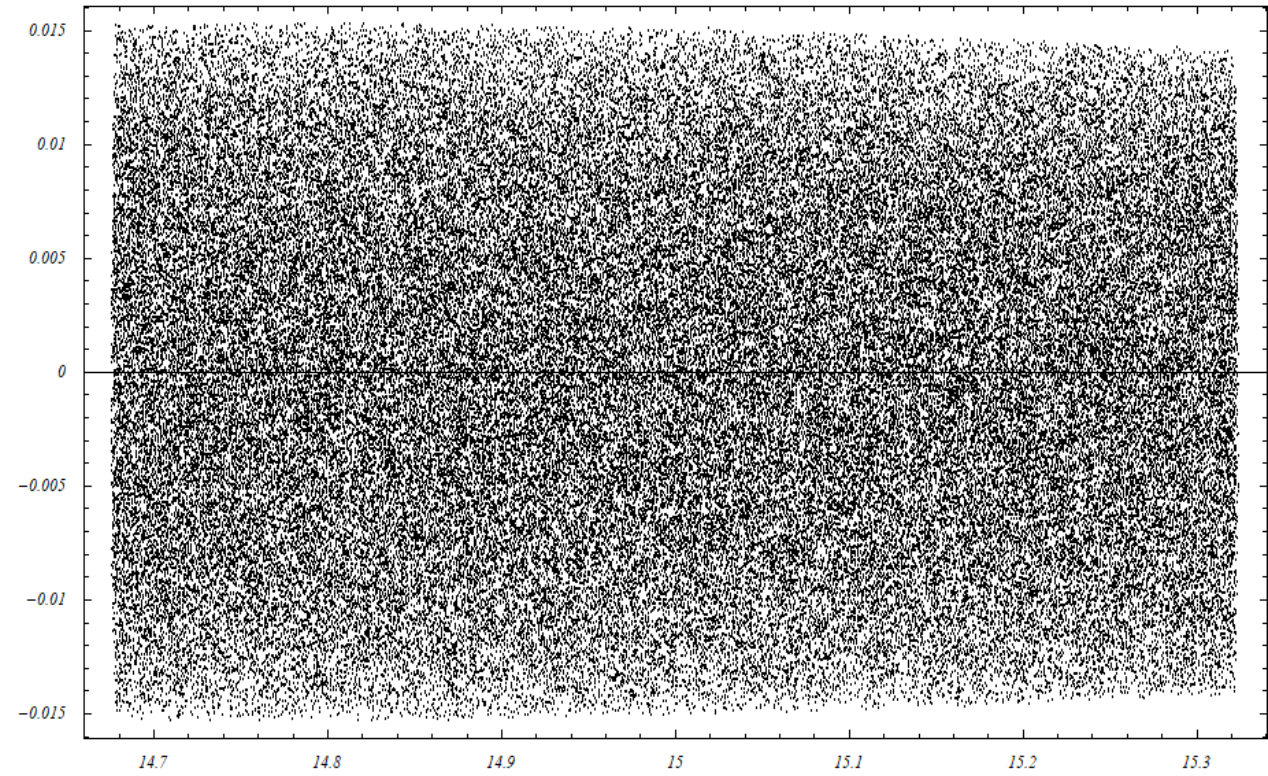
# Intro

- Tracking the distribution from Matt

# Input, position (m) vs k. energy (MeV)



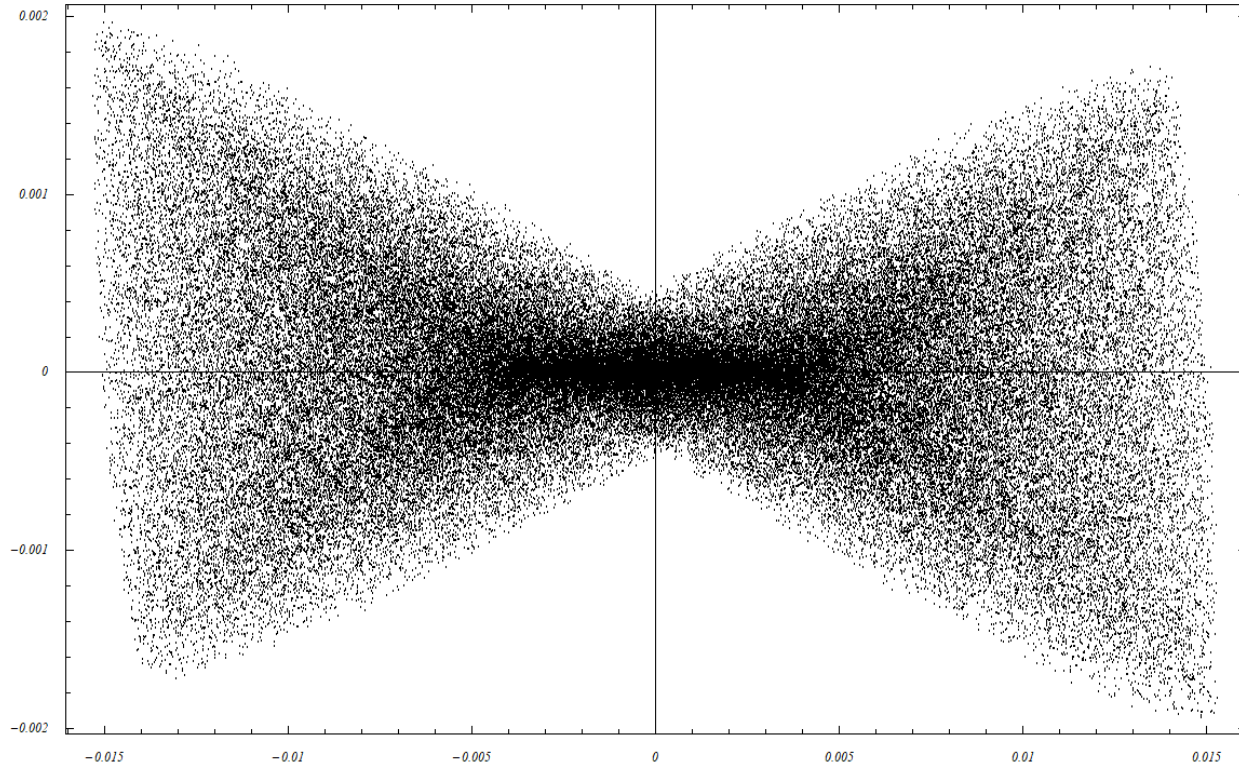
Bending



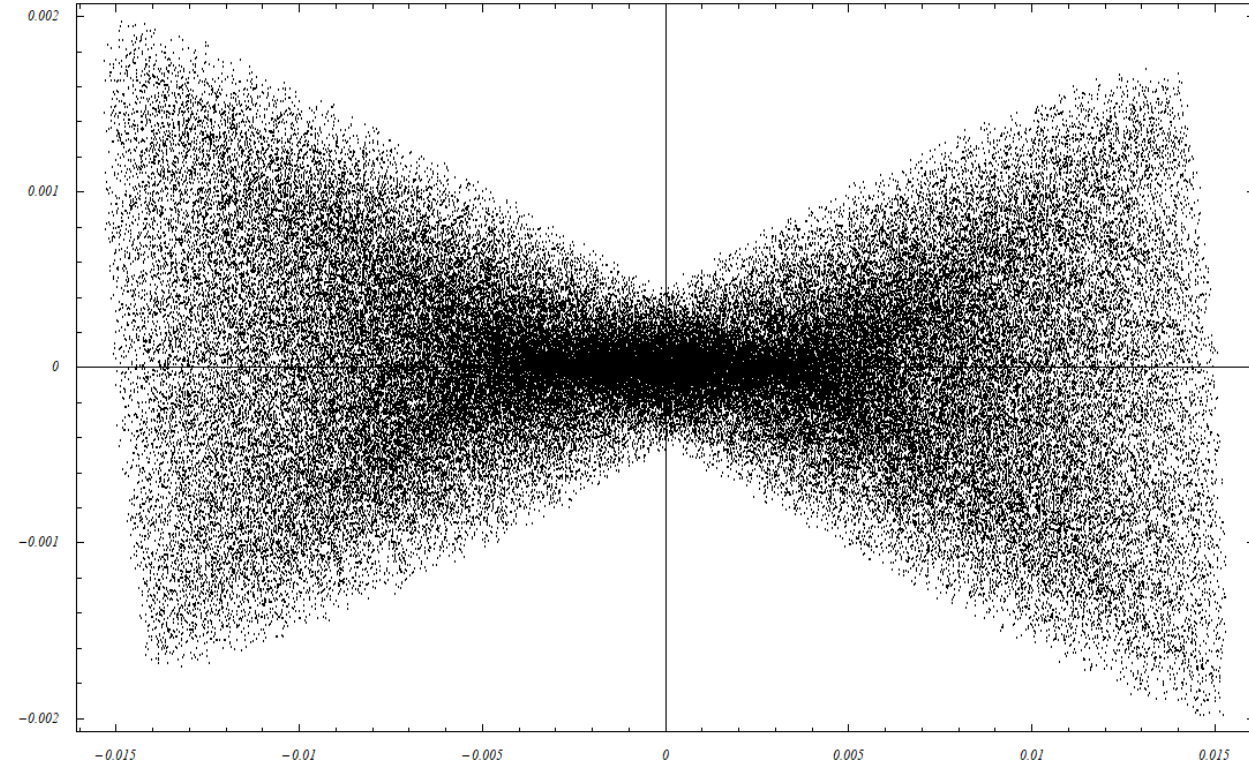
Non-bending



# Input, divergence (rad) vs position (m)

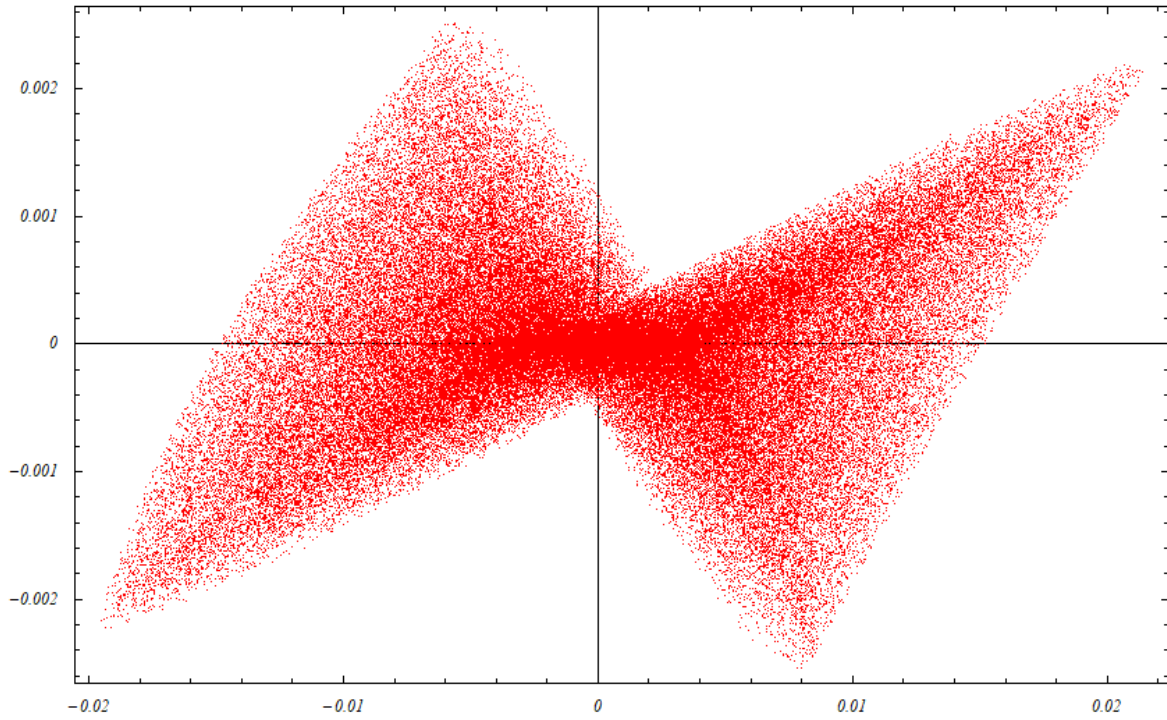


Bending

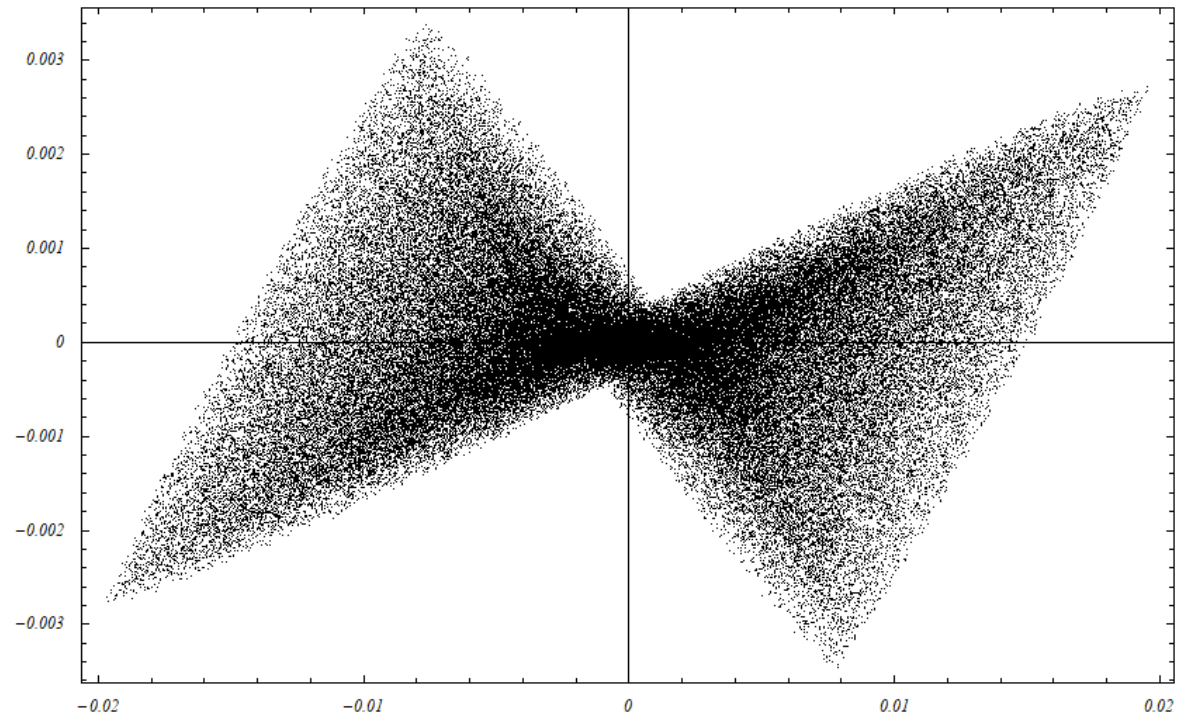


Non-bending

# Output, divergence (rad) vs position (m)



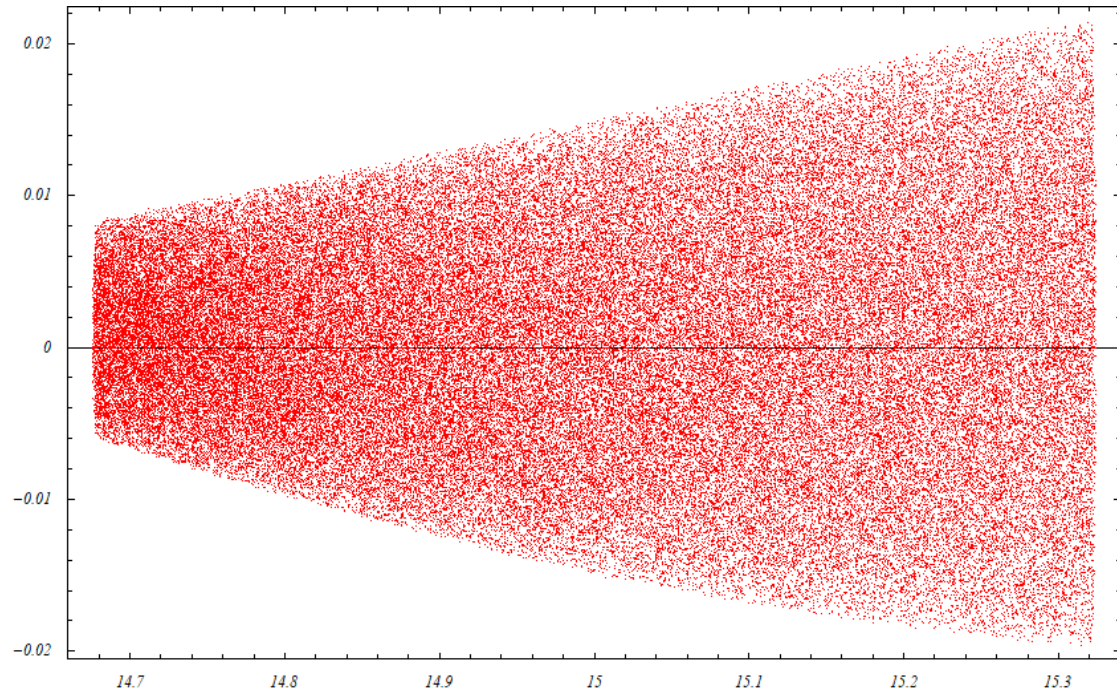
Bending



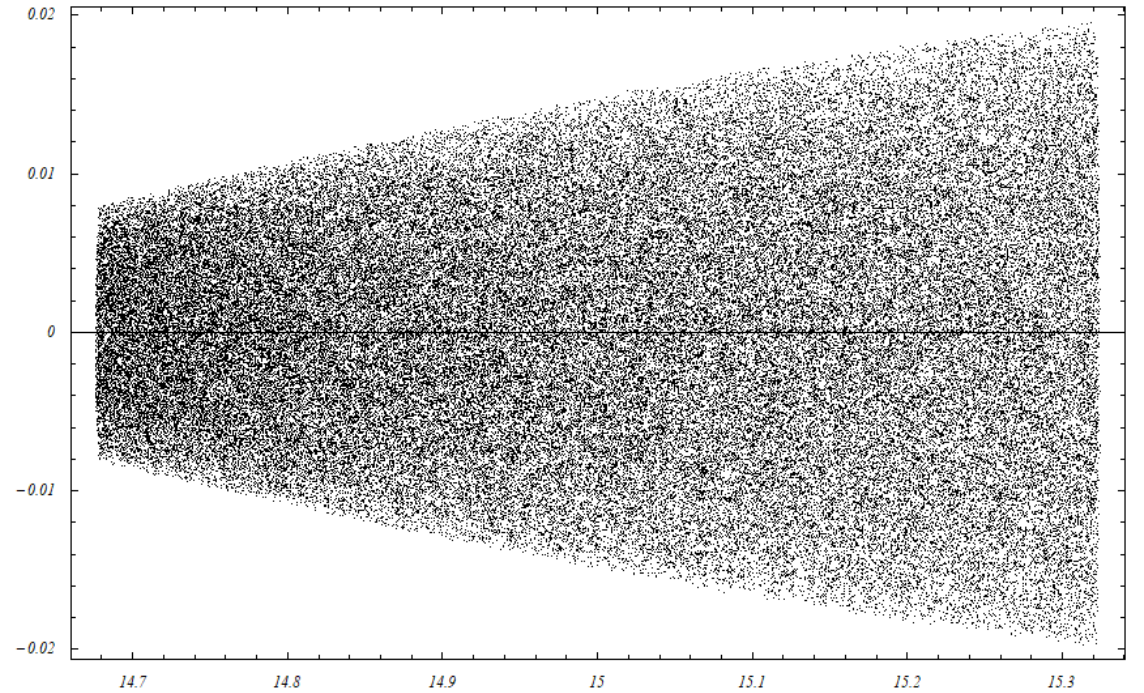
Non-bending



# Output, position (m) vs k. energy (MeV)

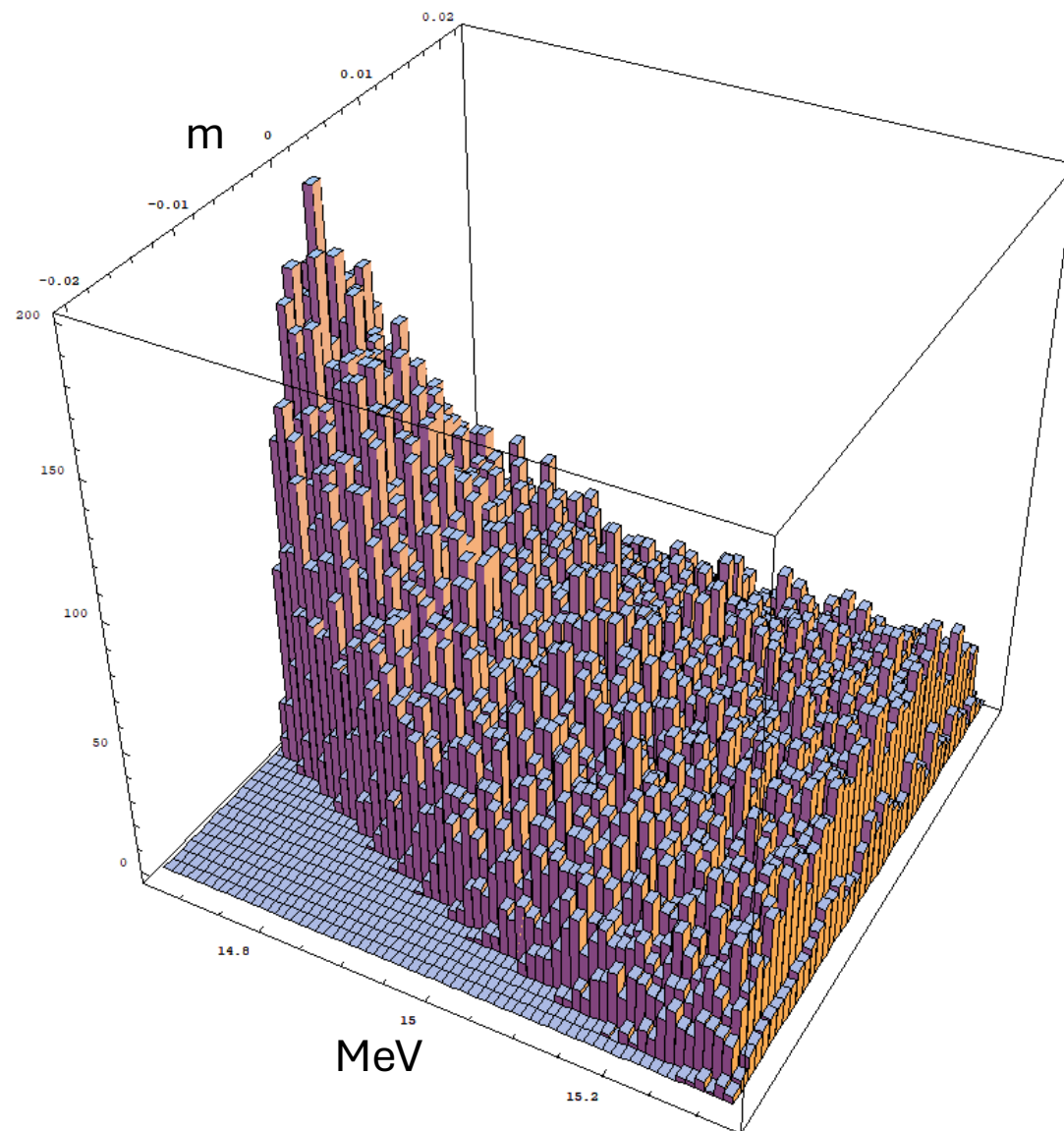


Bending

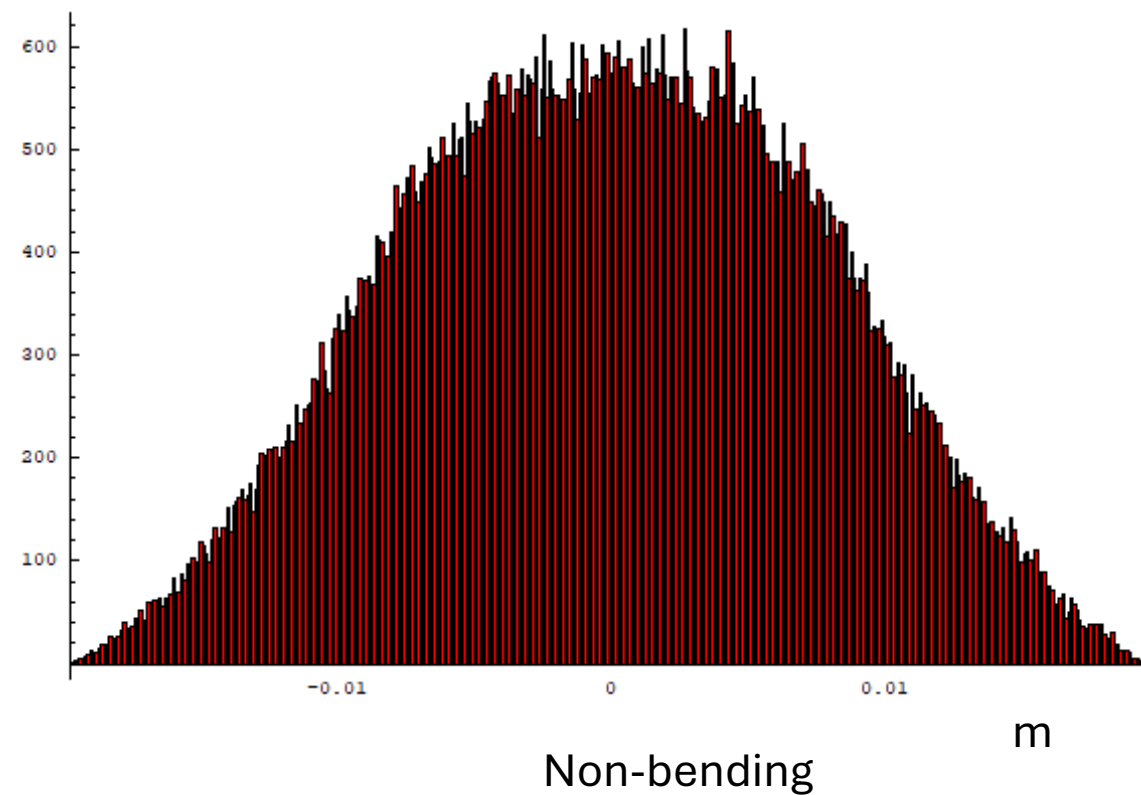
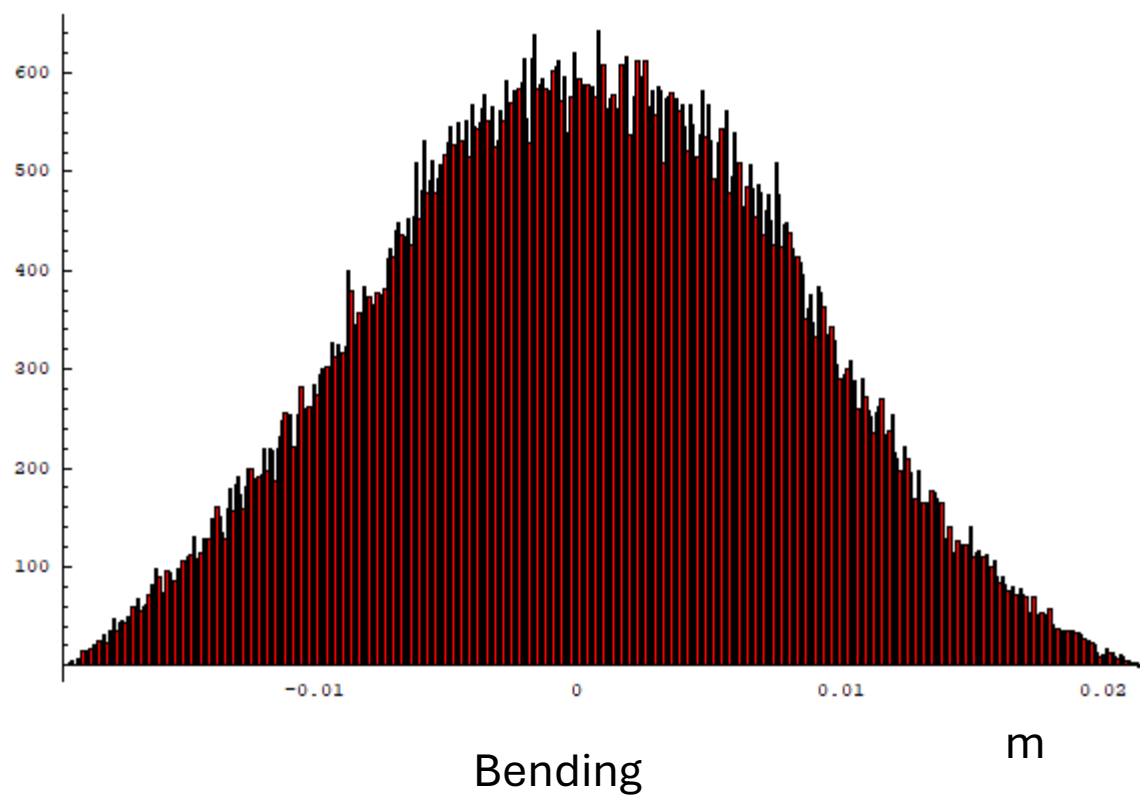


Non-bending

# Output, bending plain

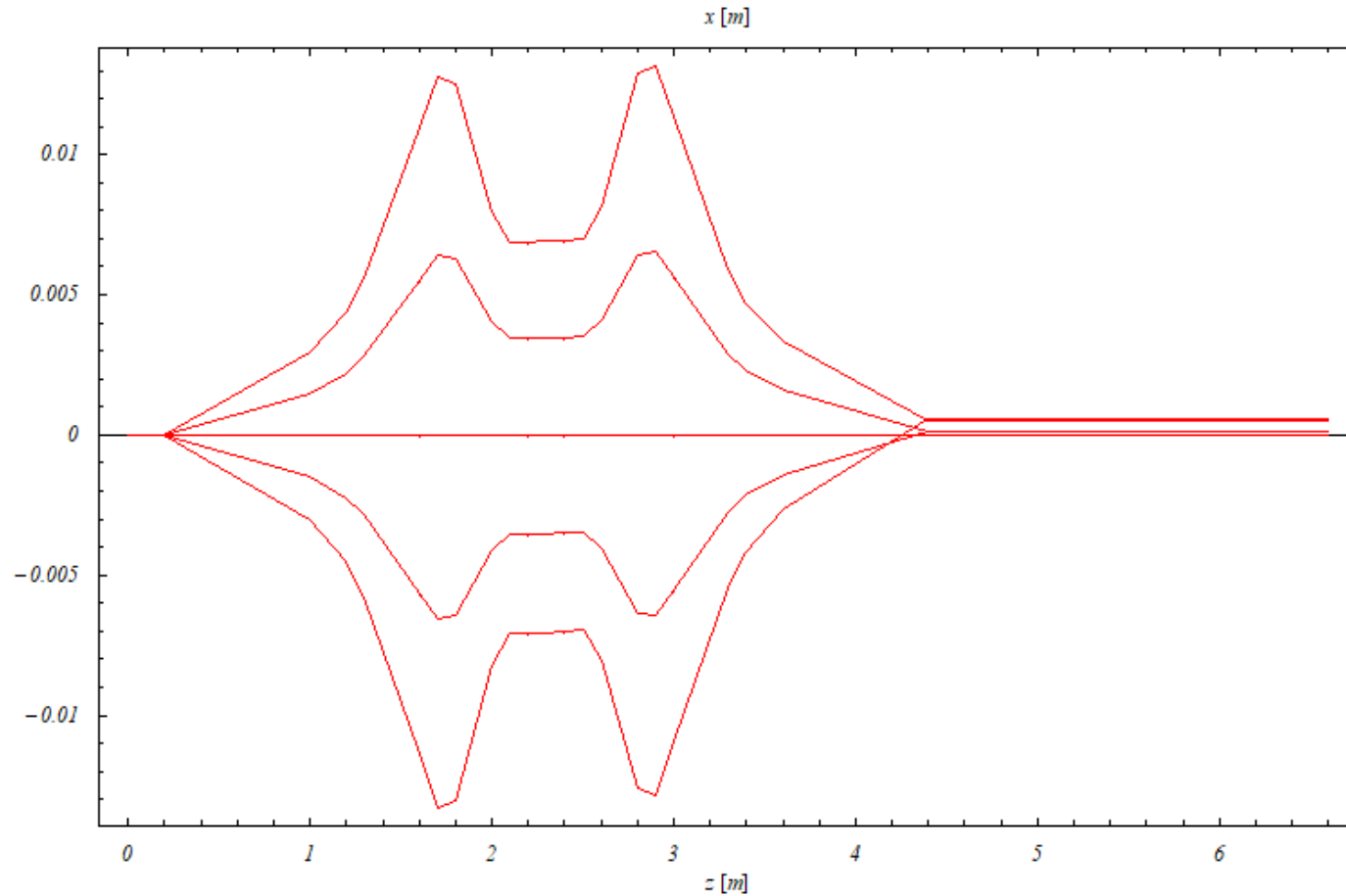


# Histograms in position

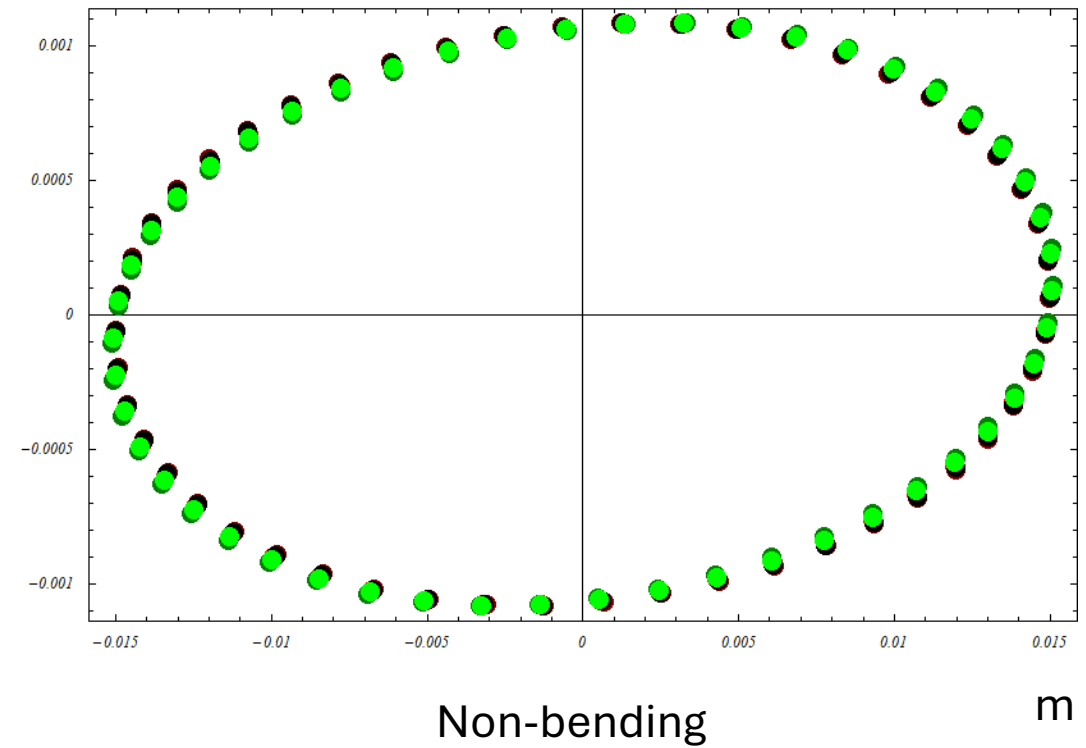
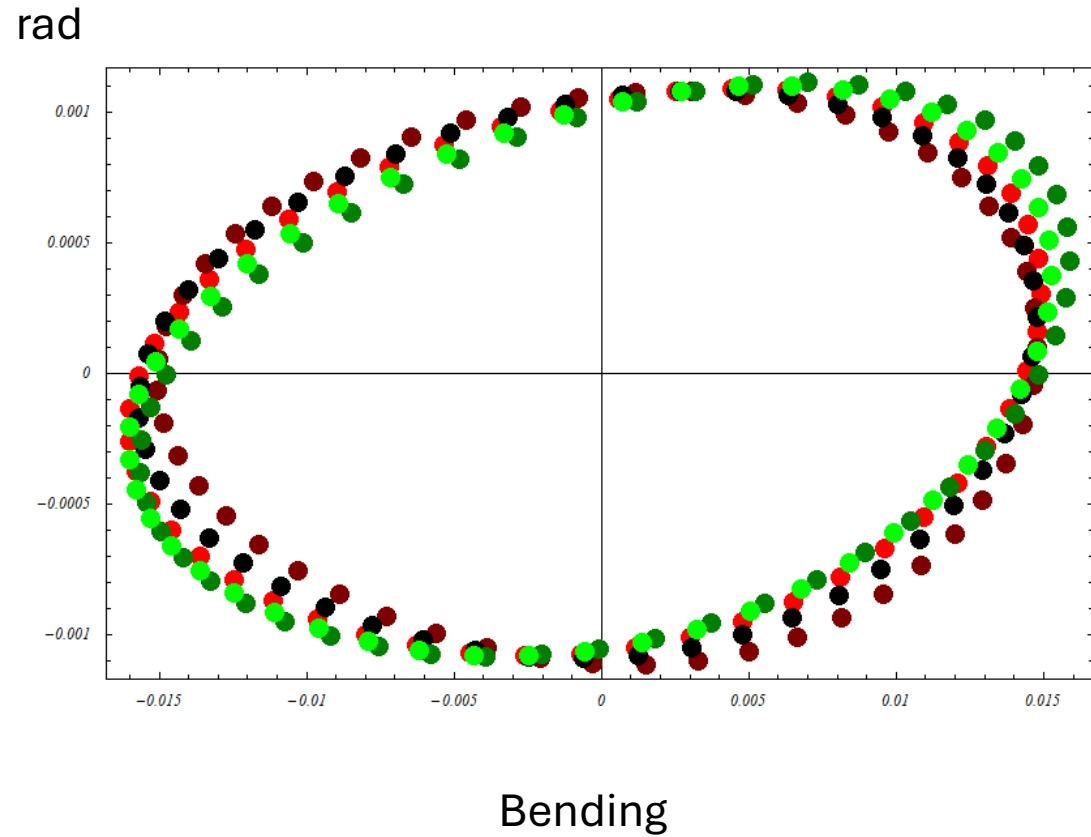




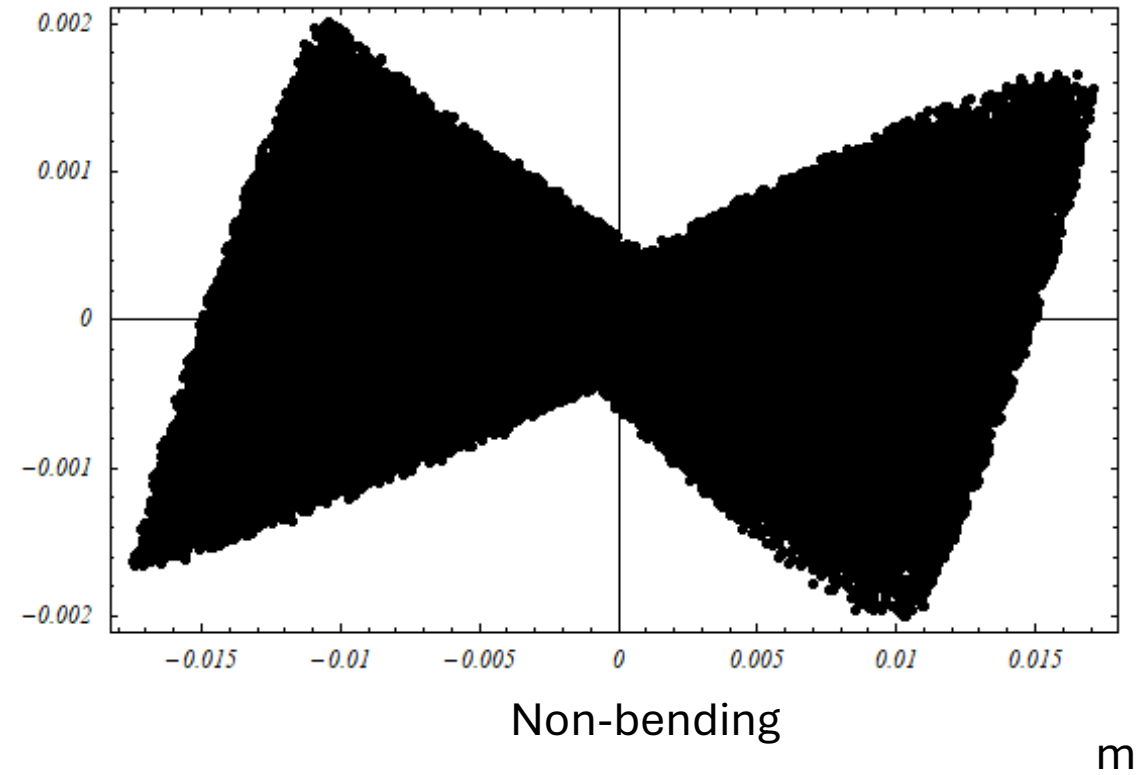
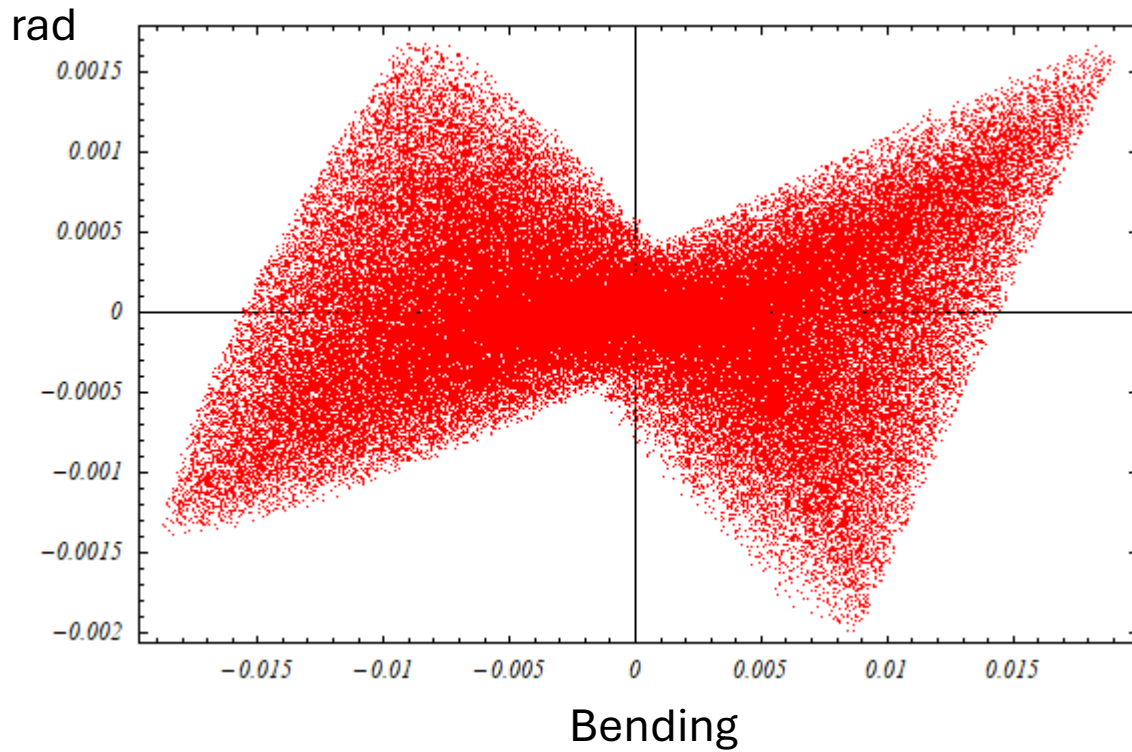
# Chromaticity corrected arc, thin sextupoles (1)



# Chromaticity corrected arc (2)

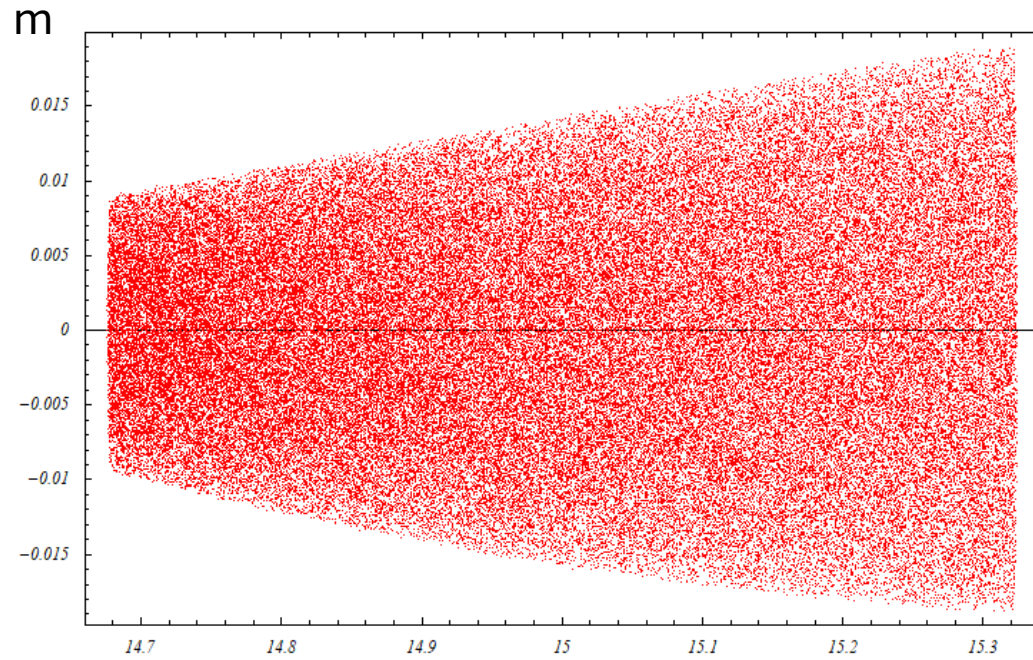


# Chromaticity corrected arc (3)

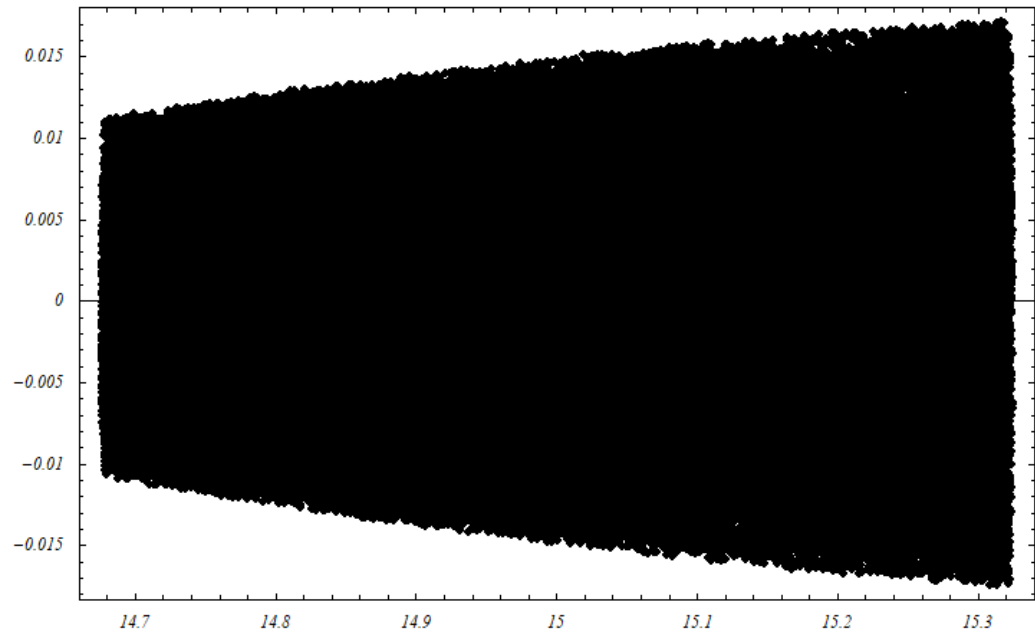




# Chromaticity corrected arc (4)



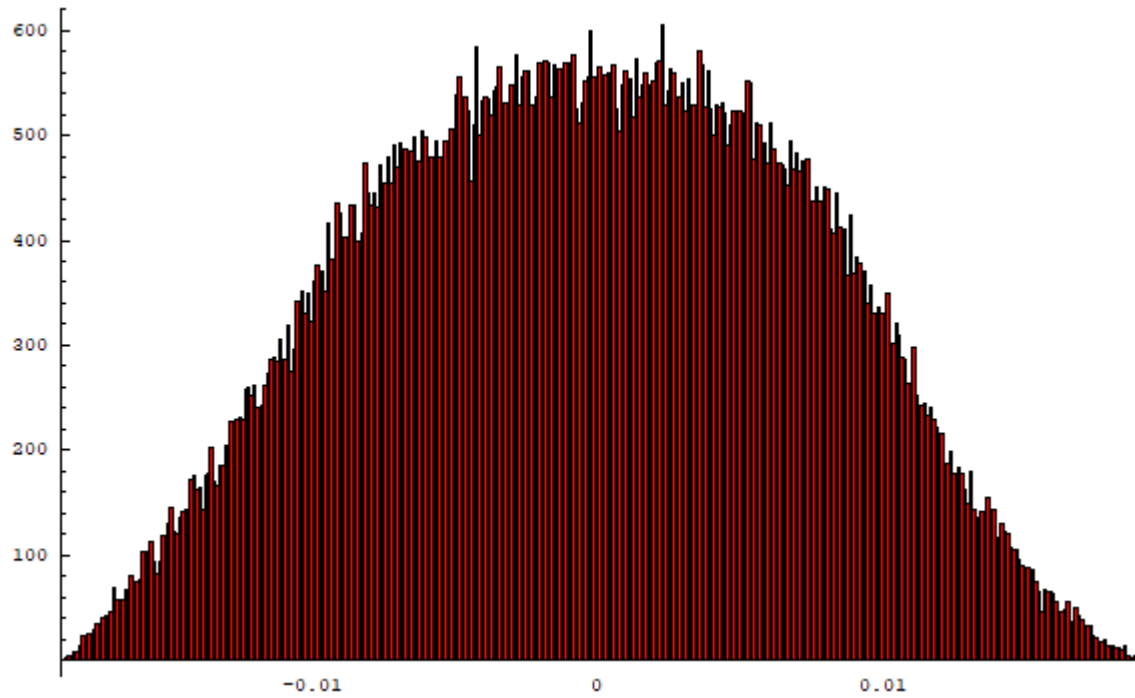
Bending



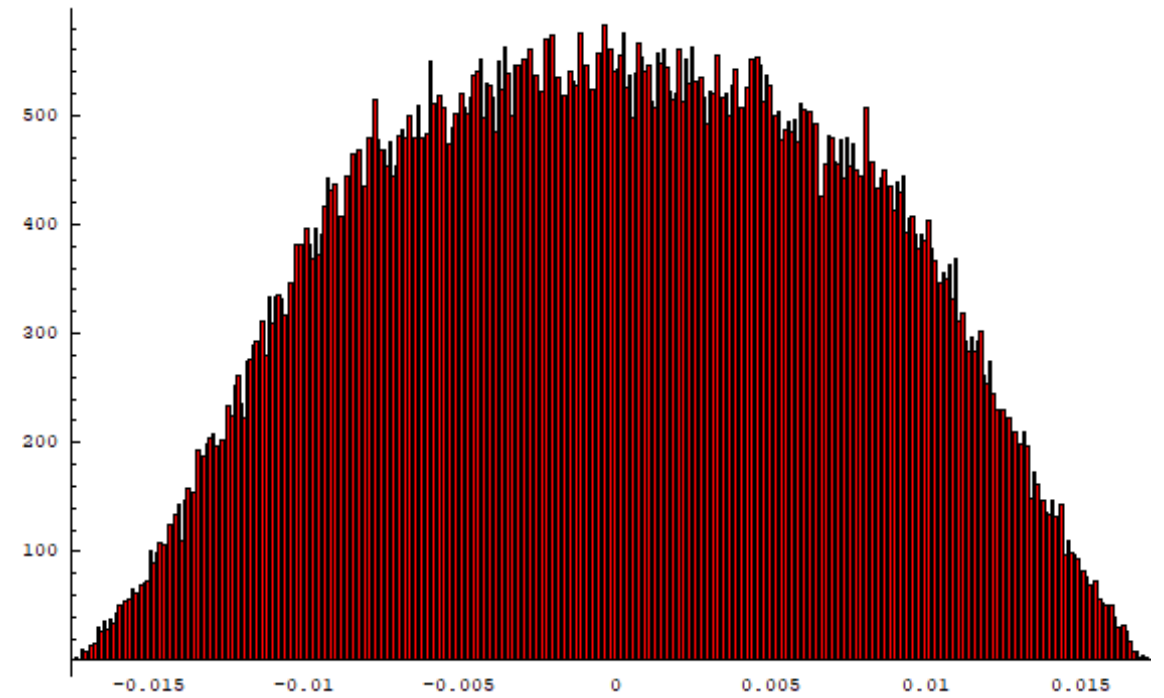
Non-bending

MeV

# Chromaticity corrected arc (5)



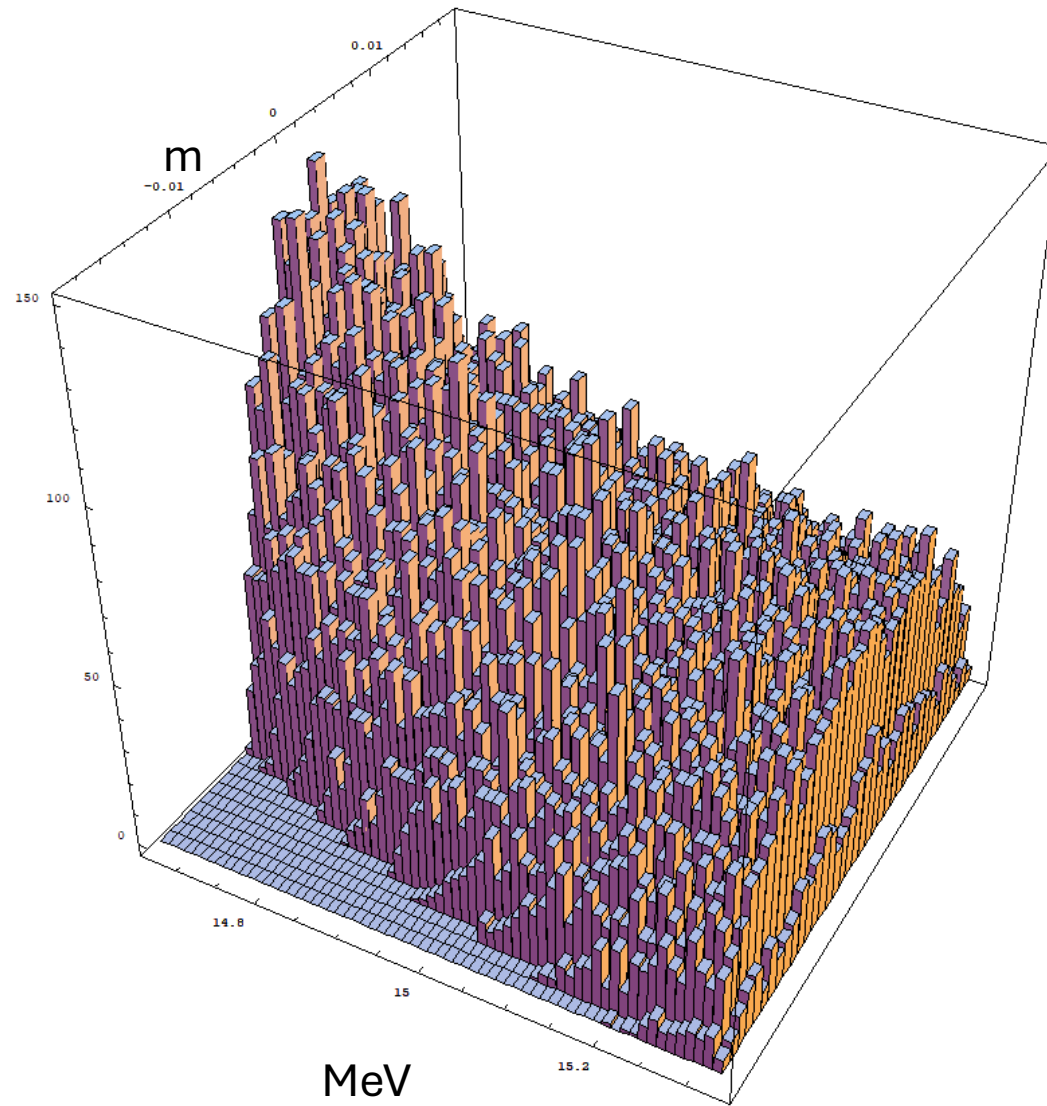
Bending



Non-bending

m

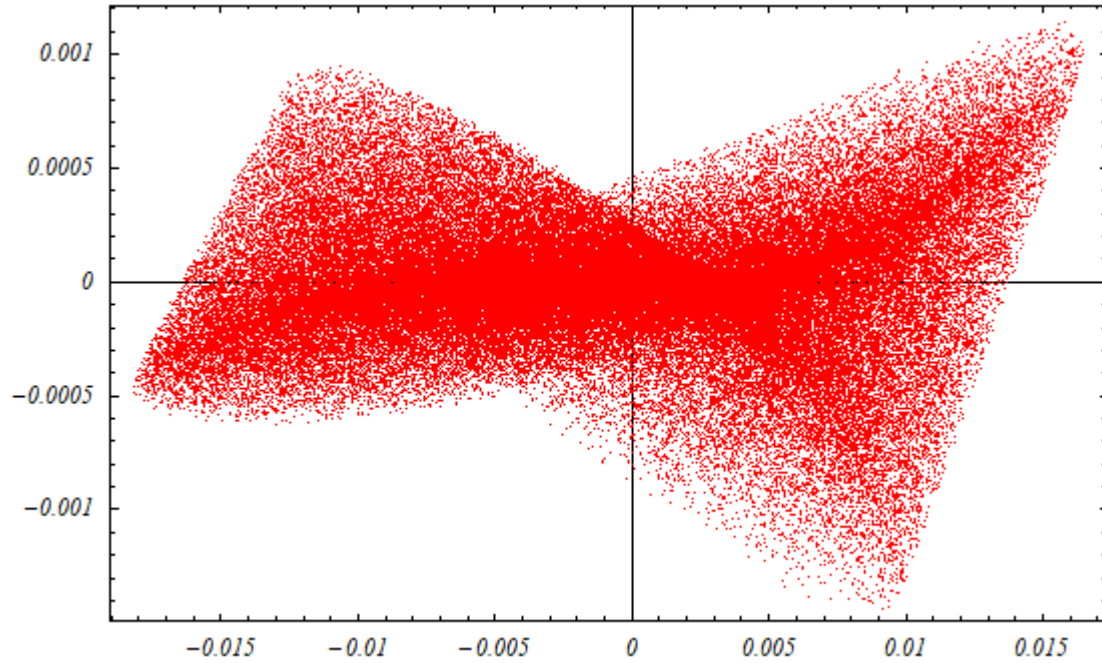
# Chromaticity corrected arc (6)



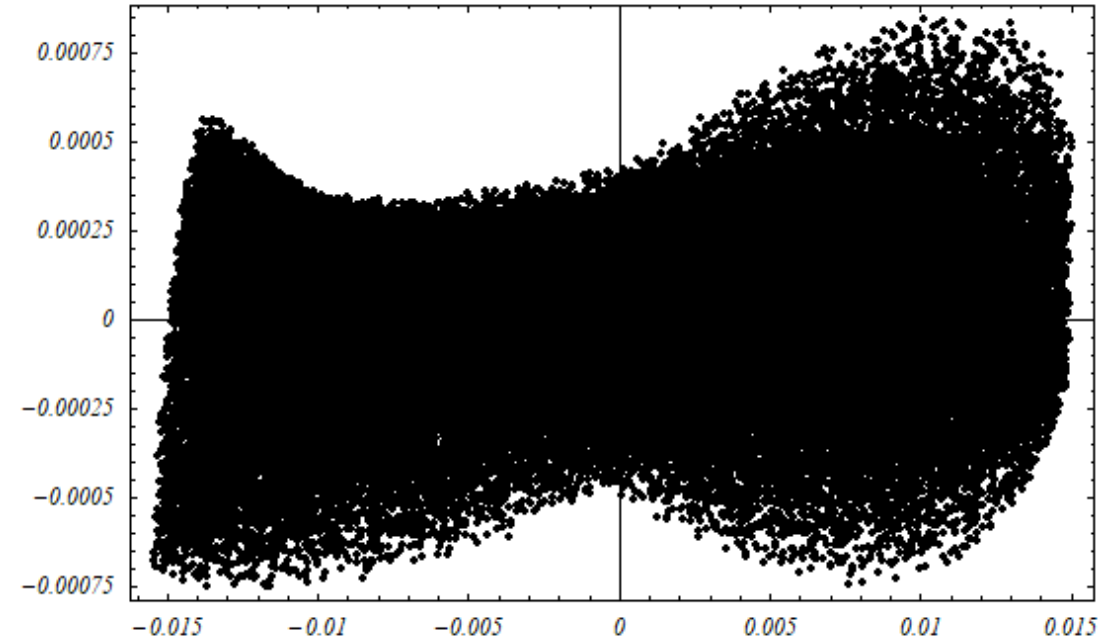


# Chromaticity overcorrected arc (1)

rad



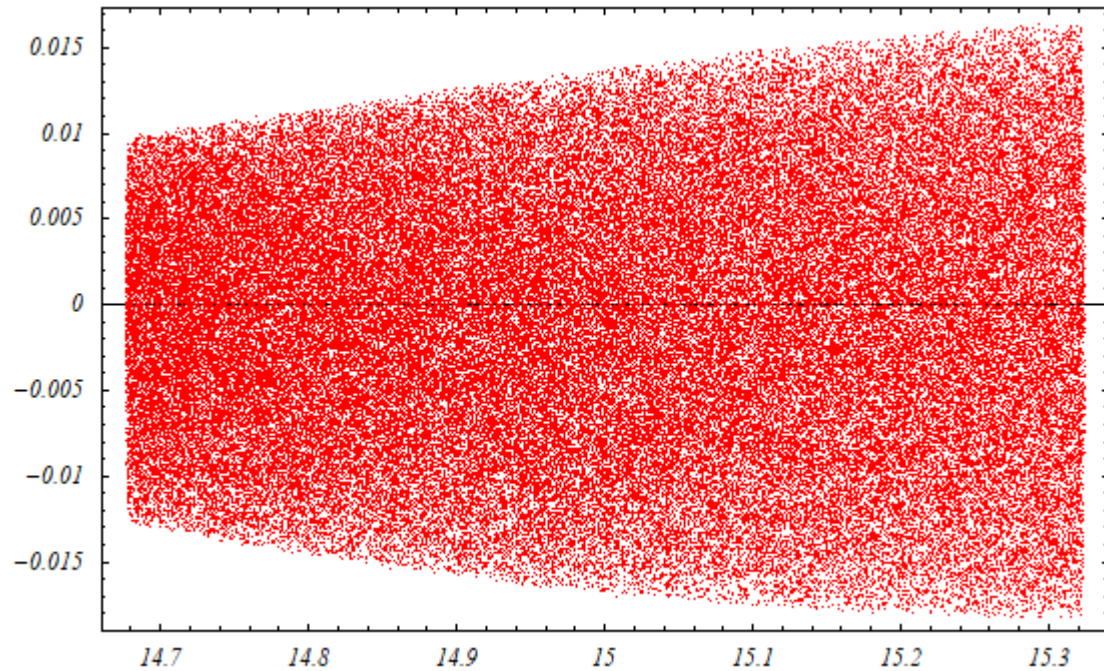
Bending



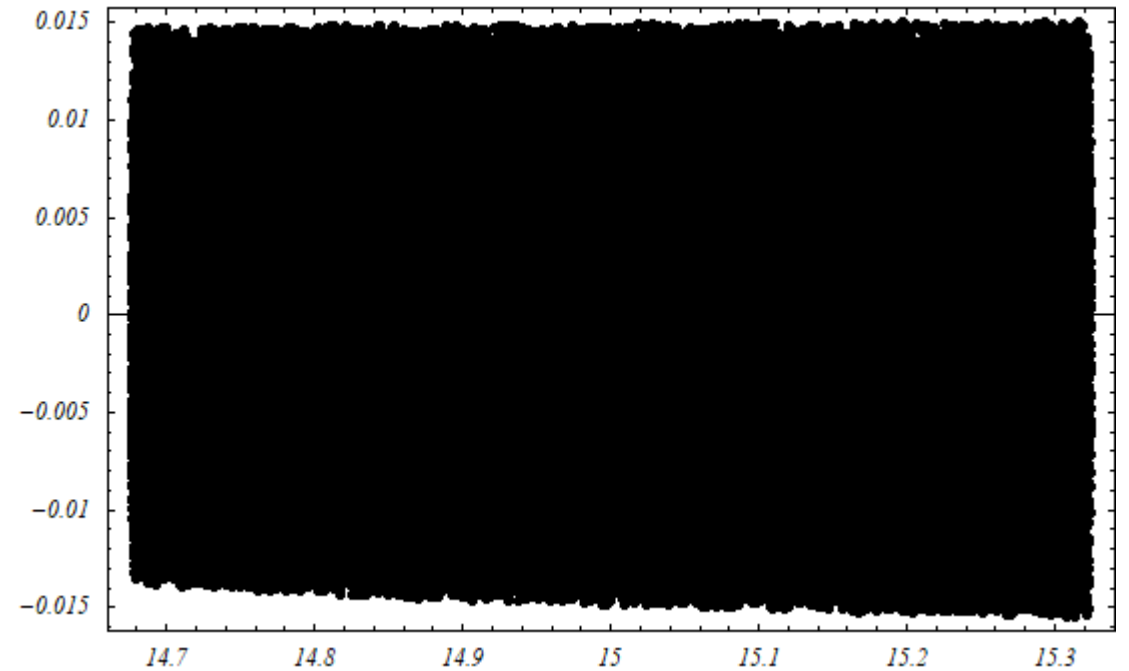
Non-bending

m

# Chromaticity overcorrected arc (2)

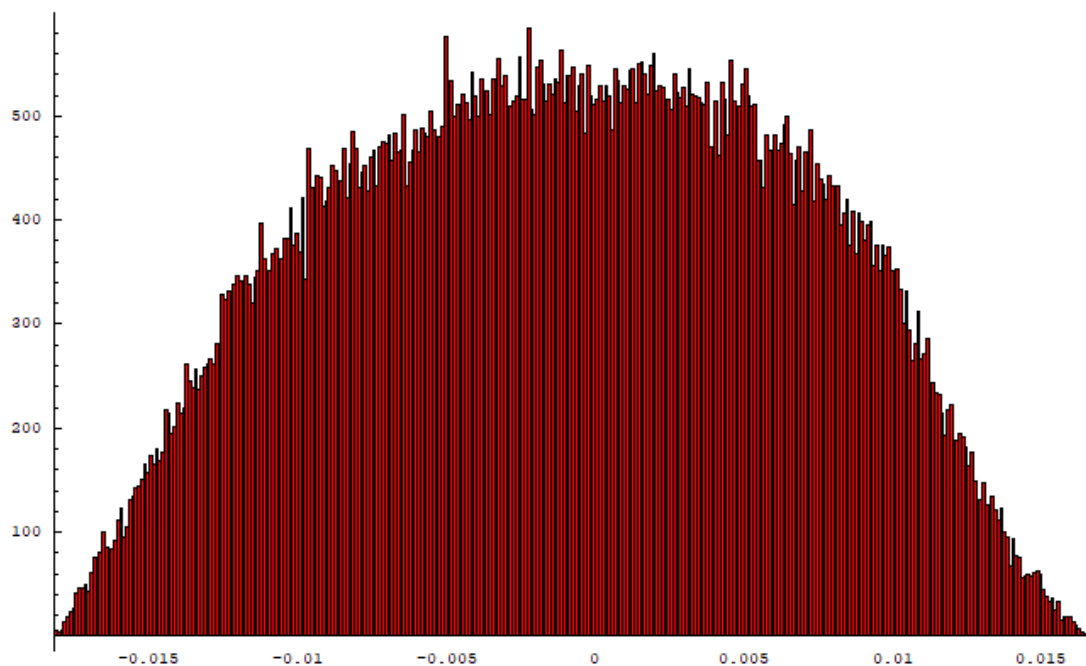


Bending

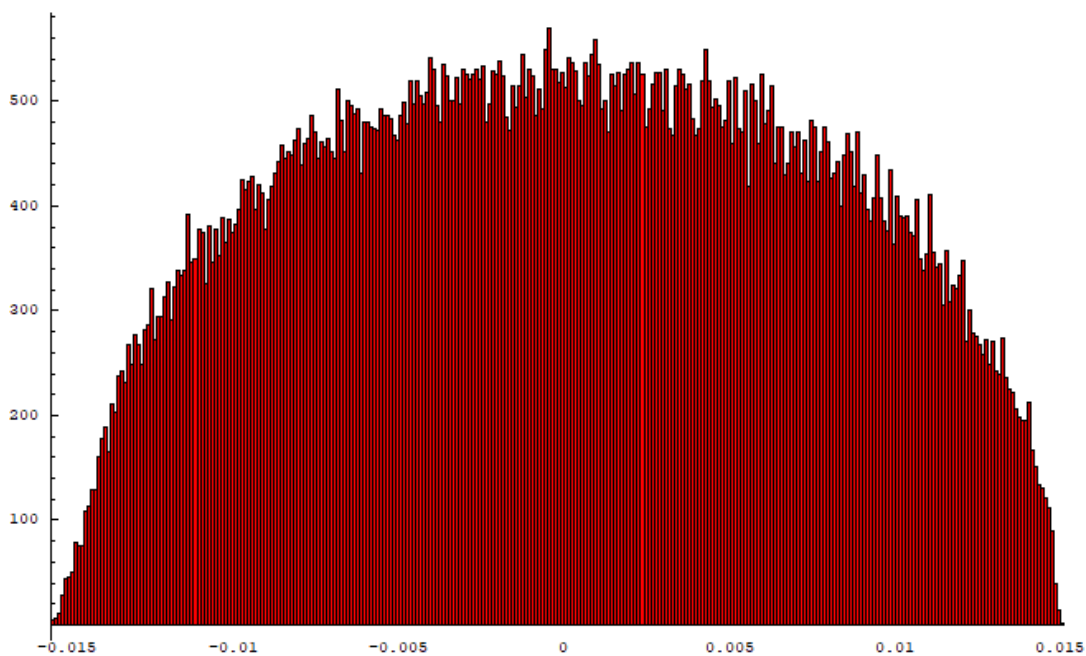


Non-bending

# Chromaticity overcorrected arc (3)



Bending



Non-bending

m



# Chromaticity overcorrected arc (4)

