World Wide Data Day   Data Tally Sheet
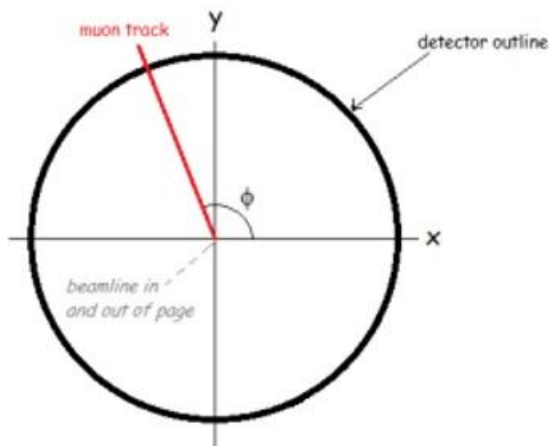
Operator(s):_____

Experiment (check one): _____ATLAS _____CMS   Data set:_____

Materials needed: internet-connected computer, protractor

Measurements:
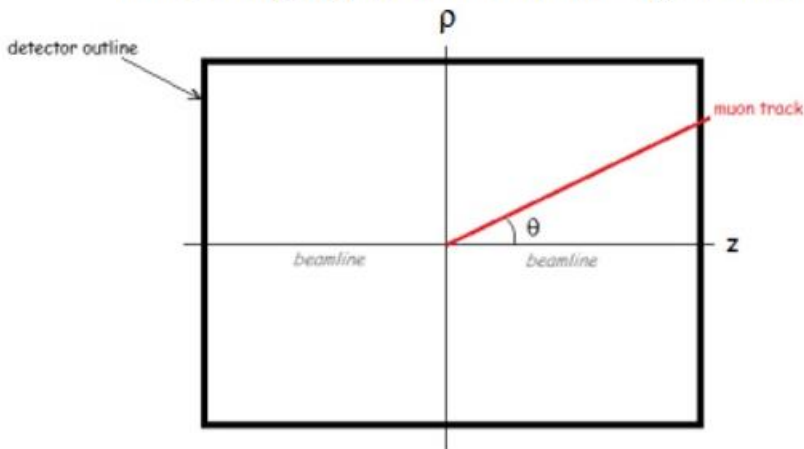
Tallies for angle φ (place tick mark for each angle of a muon track measured closest to one of these below):

forward (x-y or rφ) view

Angle (degrees)	Tick marks
10	
30	
50	
70	
90	
110	
130	
150	
170	
190	
210	
230	
250	
270	
290	
310	
330	
350	

Tallies for angle θ (place tick mark for each angle of a muon track measured closest to one of these below):

side (ρz) view
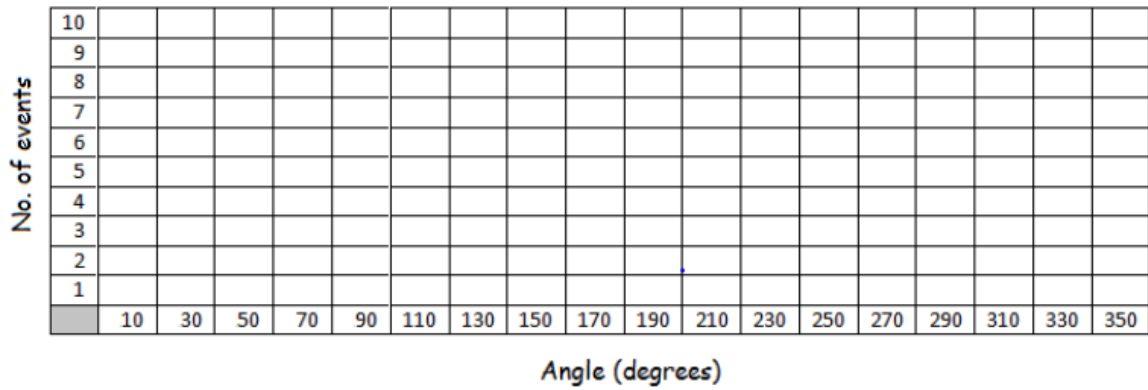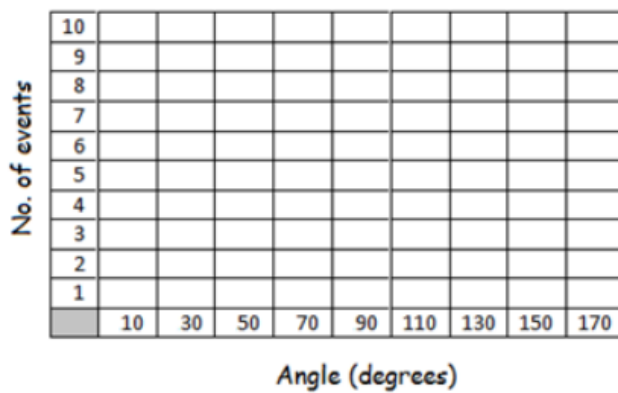
Angle (degrees)	Tick marks
10	
30	
50	
70	
90	
110	
130	
150	
170	

Make histograms from your own data!

Phi (φ):

No. of events	10	30	50	70	90	110	130	150	170	190	210	230	250	270	290	310	330	350
10																		
9																		
8																		
7																		
6																		
5																		
4																		
3																		
2																		
1																		

Angle (degrees)

Theta (θ):

No. of events	10	30	50	70	90	110	130	150	170
10									
9									
8									
7									
6									
5									
4									
3									
2									
1									

Angle (degrees)

Turn in your results to your teacher, who will load it onto the Worldwide Google Sheet.

To learn more, go to https://cern.ch/w2d2.