

Worksheet for the W Boson Measurements Using ATLAS Data

ISP220 Spring 2014

your name: _____ your dataset: _____

events			tick marks	total
Single W events... the "signal" for measurements 1 and 2	$W \rightarrow e\nu_e$	+		
		-		
	$W \rightarrow \mu\nu_\mu$	+		
		-		
Double W events... the signal for measurement 3	$WW \rightarrow \ell\nu_\ell + \ell\nu_\ell$		actual event number	$\Delta\phi_{ }$ in degrees
background events of any kind				
remarks:				