

Masterclass Event No.	ATLAS ID Nos.		Event Type (check one)				Calculated	Rounded
	Run	Event	Z	W - elec	W - muon	Zoo	Mass	Z Mass
161	189719	50948441					82.8509269	
162	189719	51414201					91.0392583	
163	189751	38650190					93.8776699	
164	189781	6065458					71.8227997	
165	189781	27861187					62.4593398	
166	189813	6204961					125.179822	
167	189822	36139577					90.0761305	
168	189822	37809743					15.0761963	
169	189822	101883749					71.7887979	
170	189822	120809318					88.4381215	
171	189845	26386996					71.2182094	
172	189965	48381588					119.254398	
173	190116	61576728					88.0527126	
174	190120	18457962					63.844043	
175	190120	18604641					60.3188691	
176	190120	30991132					93.3596828	
177	190236	27887860					37.7233803	
178	190236	30406949					40.2279975	
179	190236	96620591					63.5234742	
180	190236	104514720					71.1310501	
181	190236	112785473					76.9275068	
182	190236	129366751					54.395454	
183	190236	135488744					91.5005201	
184	190236	144021558					88.2149364	
185	190236	153764479					87.1854516	
186	190236	166522006					92.8214269	
187	190256	40523855					43.2073993	
188	190256	119764367					88.5758197	
189	190256	120662129					61.7306085	
190	190256	126017824					72.9896928	
191	190256	131060202					89.5257421	
192	190256	132281337					92.2166903	
193	190256	135919724					89.4994218	
194	190256	154092207					78.7537442	
195	190256	178591946					70.338897	
196	190256	180120474					67.238884	
197	190300	73848693					66.2512463	
198	190300	113156516					71.947712	
199	190343	101957791					68.5029936	
200	190343	102357538					92.1402427	

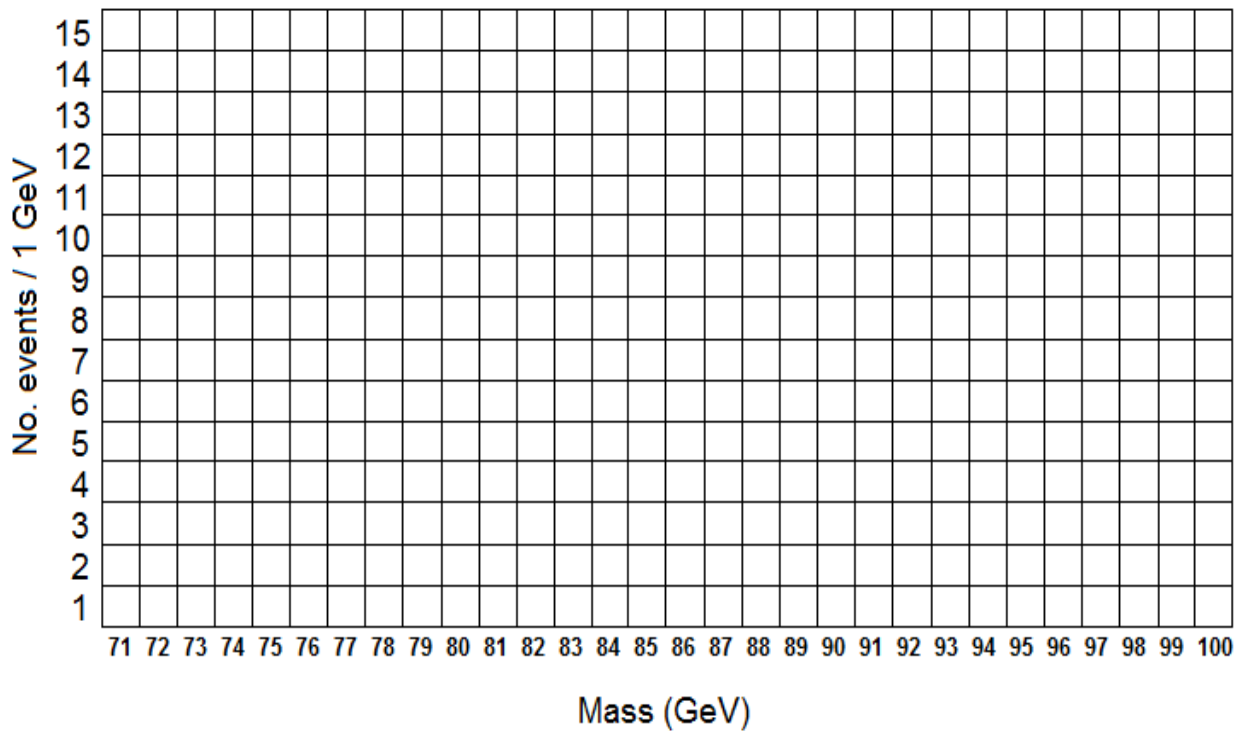
Count the total number of W-electron candidates and the total number of W-muon candidates.

Calculate electron-to-muon ratio:

No. e	No. μ	e/μ

Contribute your numbers of e and μ to group totals.

Your Z mass plot:



Place an X in the appropriate mass bin for each event. Start from the bottom so that the vertical axis represents the number of events in that bin.

Contribute the total number of events in each bin to the group mass plot.