

Masterclass Event No.	ATLAS ID Nos.		Event Type (check one)				Calculated	Rounded
	Run	Event	Z	W - elec	W - muon	Zoo	Mass	Z Mass
121	187815	59832791					91.540419	
122	187815	63661435					91.5849673	
123	187815	74154943					93.5479006	
124	188951	68722494					97.3831946	
125	188951	70135879					90.8616975	
126	188951	77844290					72.0753854	
127	188951	82368292					80.0427985	
128	188951	83958547					54.6335957	
129	188951	84646412					73.0843149	
130	188951	99459659					64.8476754	
131	189207	78853775					84.0792597	
132	189207	96523487					65.3589878	
133	189242	28601946					104.228054	
134	189280	115234797					45.400381	
135	189280	120912922					50.0500678	
136	189280	121680218					92.3983761	
137	189280	158325378					57.017087	
138	189280	167856591					9.06154197	
139	189288	6961348					86.5994837	
140	189288	13582456					101.388368	
141	189288	27865870					94.7833071	
142	189425	7207094					70.783792	
143	189425	31166890					58.0322301	
144	189425	34935088					92.7240103	
145	189481	6342670					129.208039	
146	189483	77953839					81.6125723	
147	189483	83966669					81.2947084	
148	189561	61428478					90.9632848	
149	189561	74072554					106.347364	
150	189561	102980594					78.3217882	
151	189561	109136308					82.3347847	
152	189561	110928068					93.1876754	
153	189598	47751036					69.539643	
154	189598	51193780					50.5946343	
155	189598	58614211					86.3109181	
156	189602	4827489					93.4278785	
157	189610	48426046					92.752525	
158	189610	58369647					90.000633	
159	189660	17335724					93.1237201	
160	189693	5878756					49.3885332	

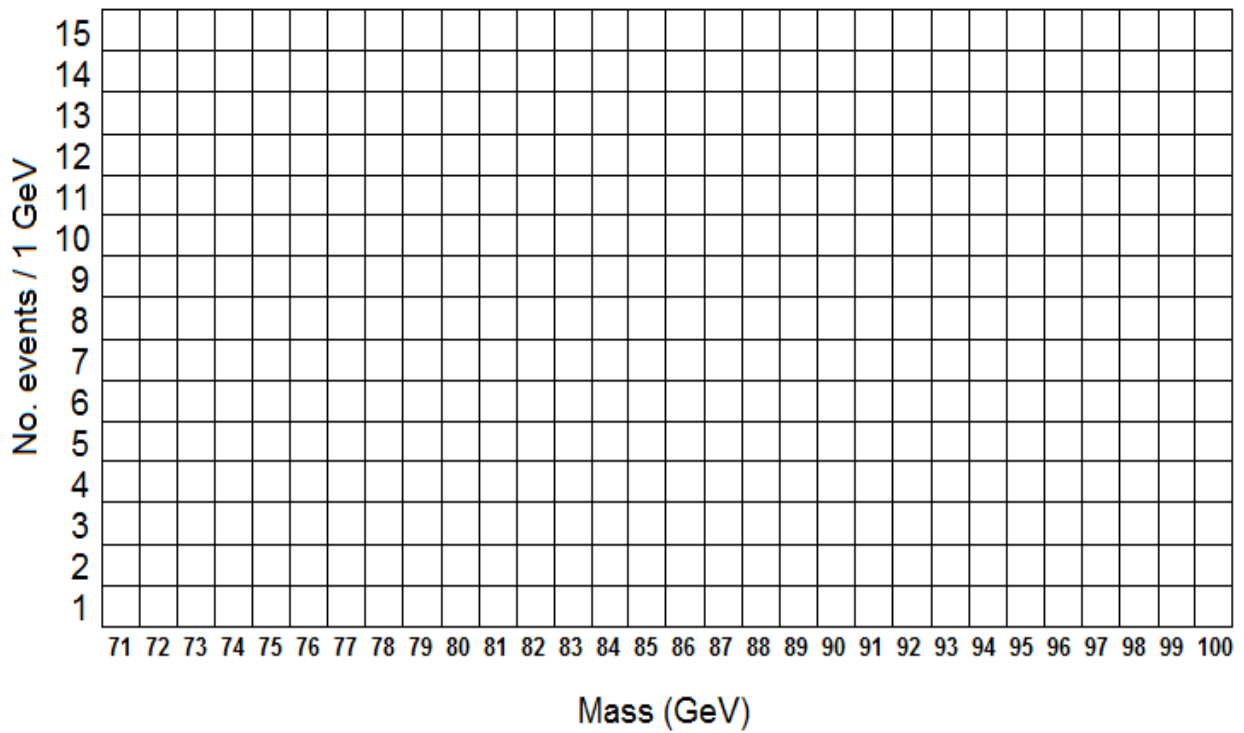
Count the total number of W-electron candidates and the total number of W-muon candidates.

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.