Source	Magnitude	Angle (deg)	X momentum	Y momentum		91.8	91.10805398
muon 1	49.5	21	46.21223111	17.7392135		energy above	mass above
muon 2	42.3	225	-29.91061684	-29.91061684			89.51
			Net X momentu	Net Y momentum:			
			16.30161427	-12.17140334			
			Net momentum:				
			20.34418067				
Which event?			Total Energy =	91.8			
CMS Event A							
				89.51734085			
				Mass + 89.51 GeV/C2			

Source	Magnitude	Angle (deg)	X momentum	Y momentum	
muon 1	42.4	147	-35.55963208	23.09269508	
muon 2	49.7	313	33.8953185	-36.34827897	
			Net X momentu	**Net Y momentum:**	
			-1.664313586	-13.25558389	
			Net momentum:		
			13.35965733		
Which event?			**Total Energy =**	92.1	
CMS Event B					
			Mass = (E^2 - P^2)^0.5		
			Mass:	**91.13** GeV/c²	

Source	Magnitude	Angle (deg)	X momentum	Y momentum	
muon 1	45.1	63	20.47497154	40.18439424	
muon 2	46.3	233	-27.86403557	-36.97682412	
			Net X momentu	**Net Y momentum:**	
			-7.389064034	3.207570126	
			Net momentum:		
			8.055232672		
Which event?			**Total Energy =**	91.4	
CMS Event C					
			E^2=p^2+m^2		
			m=sqrt(E^2-p^2)		
			mass =	91.04434758	

Source	Magnitude	Angle (deg)	X momentum	Y momentum	
muon 1	139.5	207	-124.2954101	-63.33167471	
muon 2	70.1	265	-6.109617567	-69.83324834	
			Net X momentu	**Net Y momentum:**	
			-130.4050277	-133.164923	
			Net momentum:		
			186.3823167		
Which event?			**Total Energy =**	209.6	
CMS Event D					

Source	Magnitude	Angle (deg)	X momentum	Y momentum			
muon 1	48	9.8	47.29957913	8.17005596			
muon 2	43.6	203	-40.13401161	-17.0358772		E	91.6
			Net X momentu	**Net Y momentum:**		p	8.40E+00
			7.165567517	-8.865821242		m	91.21403401
			Net momentum:				
			11.39947999				
Which event?			**Total Energy =**	91.6		90.88	
CMS Event A							

Source	Magnitude	Angle (deg)	X momentum	Y momentum	
muon 1	42.4	150	-36.71947712	21.2	
muon 2	49.7	-45	35.14320702	-35.14320702	
			Net X momentu	**Net Y momentum:**	
			-1.576270095	-13.94320702	
			Net momentum:		
			14.03202229		
Which event?			**Total Energy =**	92.1	
CMS Event B					

Source	Magnitude	Angle (deg)	X momentum	Y momentum		
muon 1	45.1	65.8	18.48752883	41.13661724		**Mass**
muon 2	46.3	234.8	-26.68881624	-37.83380879		90.97
			Net X momentu	**Net Y momentum:**		
Total Energy:	91.4		-8.201287412	3.302808446		
			Net momentum:			
			8.84136069			
Which event?			**Total Energy =**			
CMS Event C						

Source	Magnitude	Angle (deg)	X momentum	Y momentum	
muon 1			0	0	
muon 2			0	0	
			Net X momentu	Net Y momentum:	
			0	0	
			Net momentum:		
			0		
Which event?			Total Energy =		
CMS Event D					

Source	Magnitude	Angle (deg)	X momentum	Y momentum	
muon 1			0	0	
muon 2			0	0	
			Net X momentu	Net Y momentum:	
			0	0	
			Net momentum:		
			0		
			Total Energy =		

Source	Magnitude	Angle (deg)	X momentum	Y momentum	
muon 1			0	0	
muon 2			0	0	
			Net X momentu	Net Y momentum:	
			0	0	
			Net momentum:		
			0		
			Total Energy =		

Source	Magnitude	Angle (deg)	X momentum	Y momentum	
muon 1			0	0	
muon 2			0	0	
			Net X momentu	Net Y momentum:	
			0	0	
			Net momentum:		
			0		
			Total Energy =		

Source	Magnitude	Angle (deg)	X momentum	Y momentum	
muon 1			0	0	
muon 2			0	0	
			Net X momentu	Net Y momentum:	
			0	0	
			Net momentum:		
			0		
			Total Energy =		

Group	Z Mass (GeV/c^2)			
1	89.5			91.47697143
2	91.1			
3	91.0			
4	95.8888			
5	90.88			
6	91			
7	90.97			
8				
Extra 1				
Extra 2				
Extra 3				
Extra 4