

More CMS

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1 MuRun2010B_1

The most common invariant mass for this data was around 9.5GeV . This is closest to the mass of an Upsilon with an accepted mass of 9.4604GeV . There are no other leptons with a highly similar mass, so it is likely that the particle was an Upsilon.

2 Jpsimumu

The most common invariant mass for this data was around 3.1GeV . This is closest to J/Psi with an accepted mass of 3.0969GeV . There are no other leptons with a highly similar mass, so it is likely that the particle was an Upsilon. There are no other leptons with a highly similar mass, so it is likely that the particle was a J/Psi.

3 Dimuon_DoubleMu

This data again has a common invariant mass of around 9.5 and is thus likely an Upsilon particle. However, this data also has a significantly likely invariant mass of around 91GeV . This peak is likely due to the Z Boson which has an accepted mass of 91.1875GeV