


```
map<Particle_t, set<Int_t> > locUsedThisCombo_MissingMass;
locUsedThisCombo_MissingMass[Unknown].insert(locBeamID); //beam          beamcombo
locUsedThisCombo_MissingMass[PiPlus].insert(locPiPlusTrackID);
locUsedThisCombo_MissingMass[PiMinus].insert(locPiMinusTrackID);
locUsedThisCombo_MissingMass[Proton].insert(locProtonTrackID);

if(locUsedSoFar_MissingMass.find(locUsedThisCombo_MissingMass) == locUsedSoFar_MissingMass.end())
{
    ....Histogram
}
locUsedSoFar_MissingMass.insert(locUsedThisCombo_MissingMass);
```



```
map<Particle_t, set<Int_t> > locUsedThisCombo_MissingMass;
locUsedThisCombo_MissingMass[PiPlus].insert(locPiPlusTrackID);          ///////////nobeamcombo
locUsedThisCombo_MissingMass[PiMinus].insert(locPiMinusTrackID);
locUsedThisCombo_MissingMass[Proton].insert(locProtonTrackID);

//compare to what's been used so far
if(locUsedSoFar_MissingMass.find(locUsedThisCombo_MissingMass) == locUsedSoFar_MissingMass.end())
{

    dHist_MM2_Measured->Fill(locMissingP4_Measured.M2(),locAccWeight);
    ....Histogram
}
locUsedSoFar_MissingMass.insert(locUsedThisCombo_MissingMass);
```

