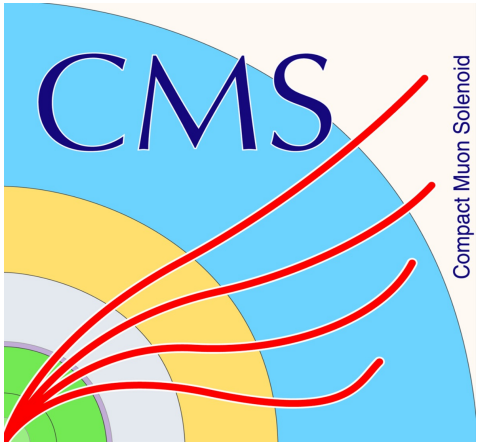
Mass regression model Inference directly on root file



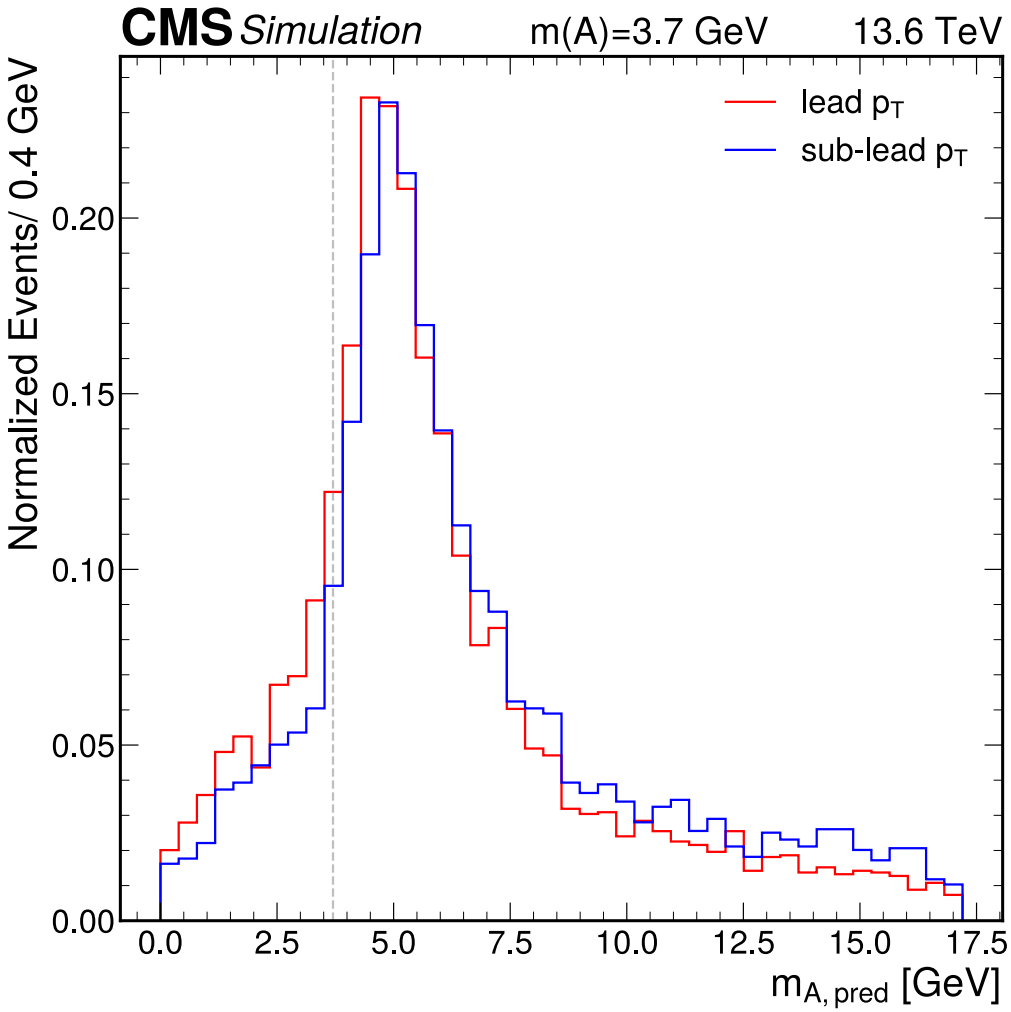
- Events with exactly 2 jets selected
- Inference directly ran on root file and two new column mass_A1(leading jet pT) and mass_A2 (sub-leading jet pT).

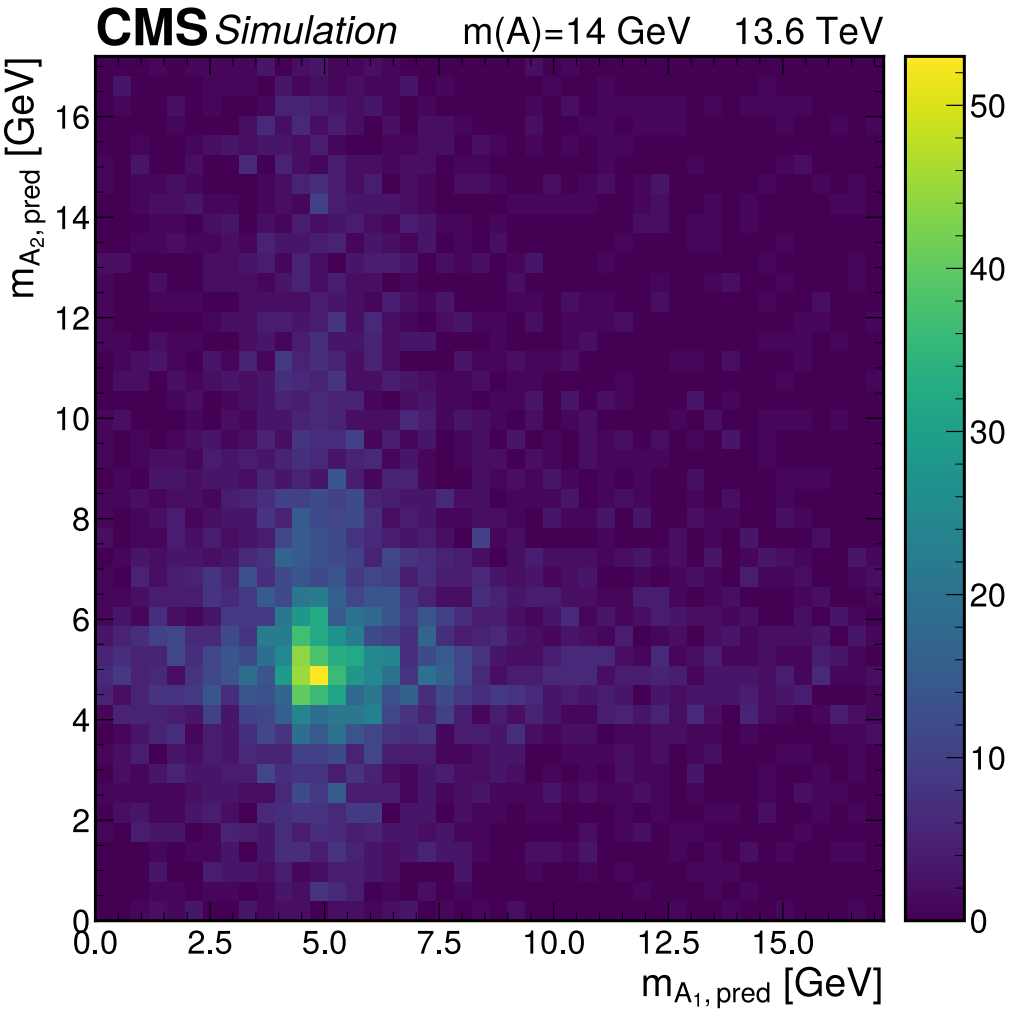
mass_A1	mass_A2	JetpT
Predicted A1	-9999.9999	leading
-9999.9999	Predicted A2	sub-leading

mass_A1	mass_A2	JetpT
-9999.9999	Predicted A2	sub-leading
Predicted A1	-9999.9999	leading

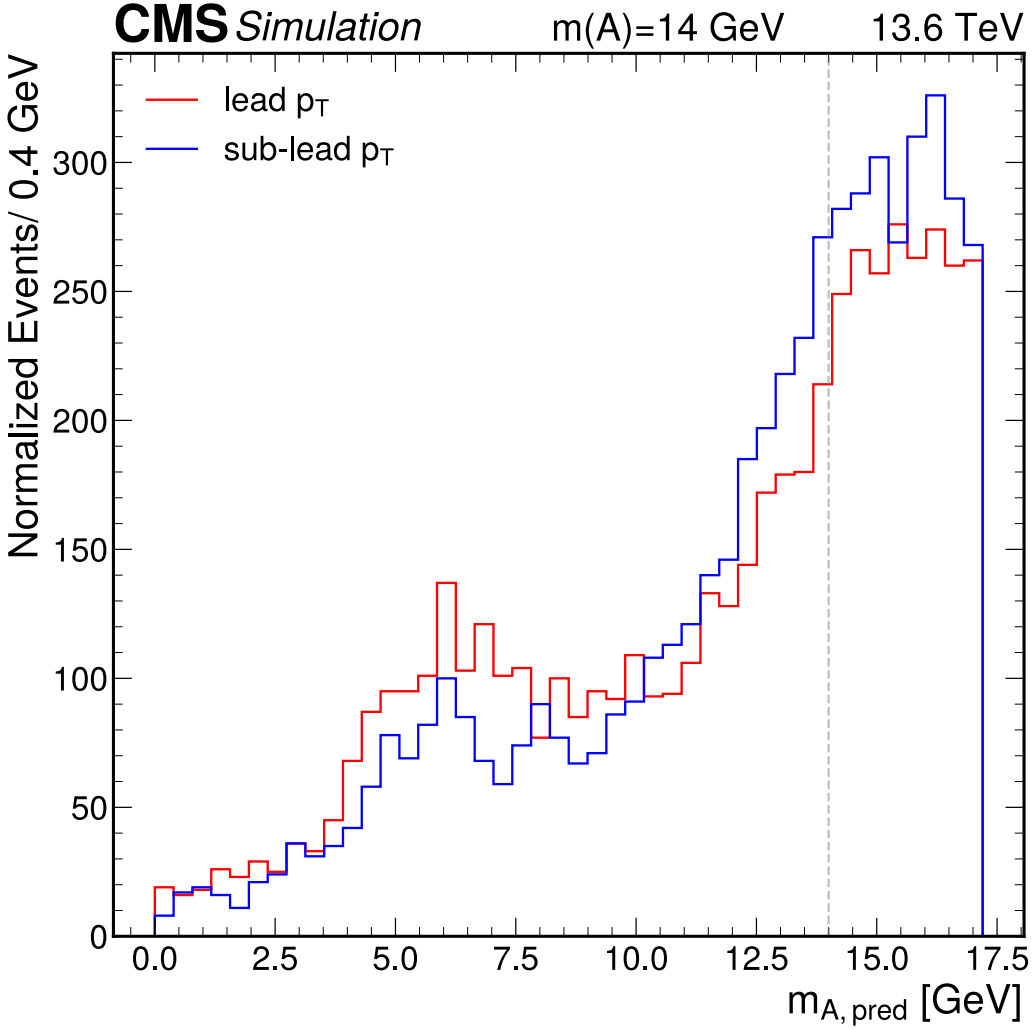
Try to kept information from with jet leading and sub-leading pt coming

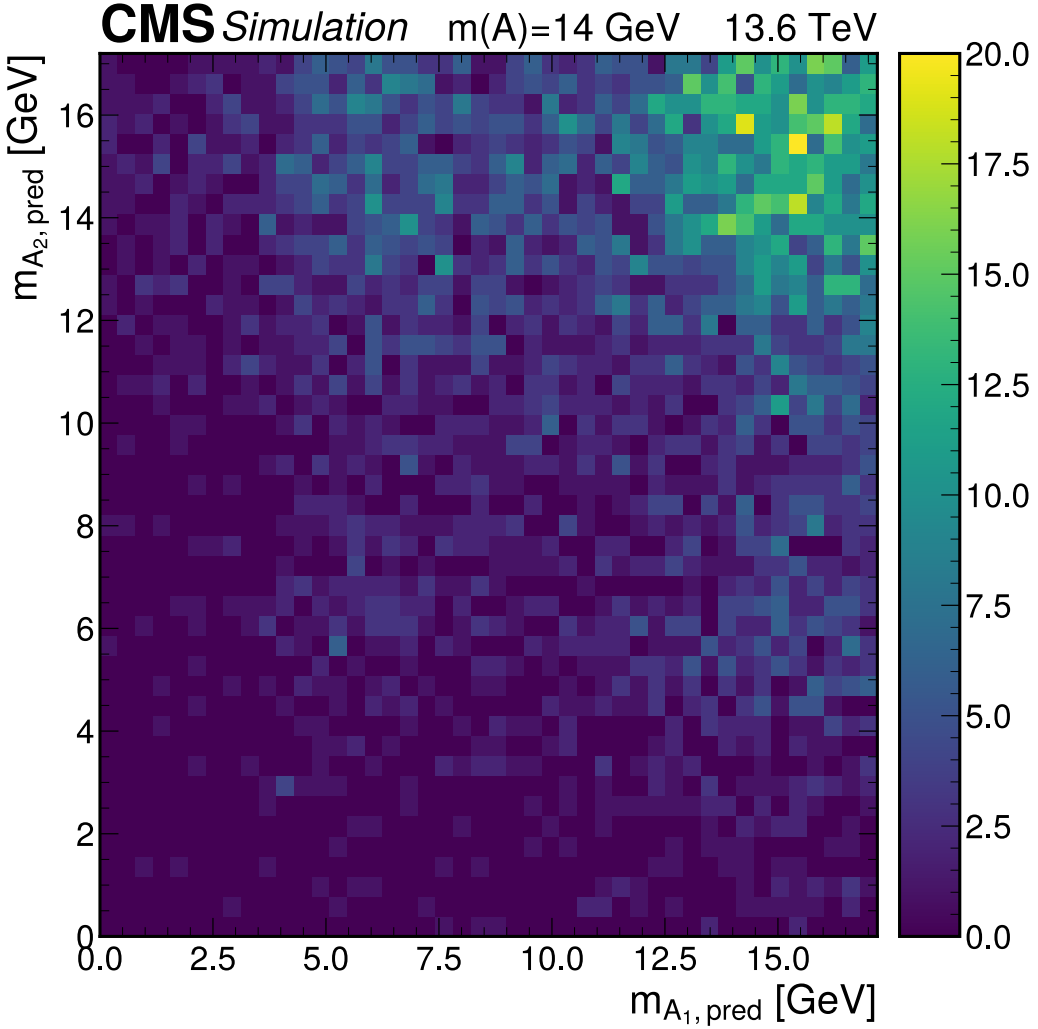
Inference on signal mass 3.7 GeV (uncorrected predictions)





Inference on signal mass 14 GeV (uncorrected predictions)



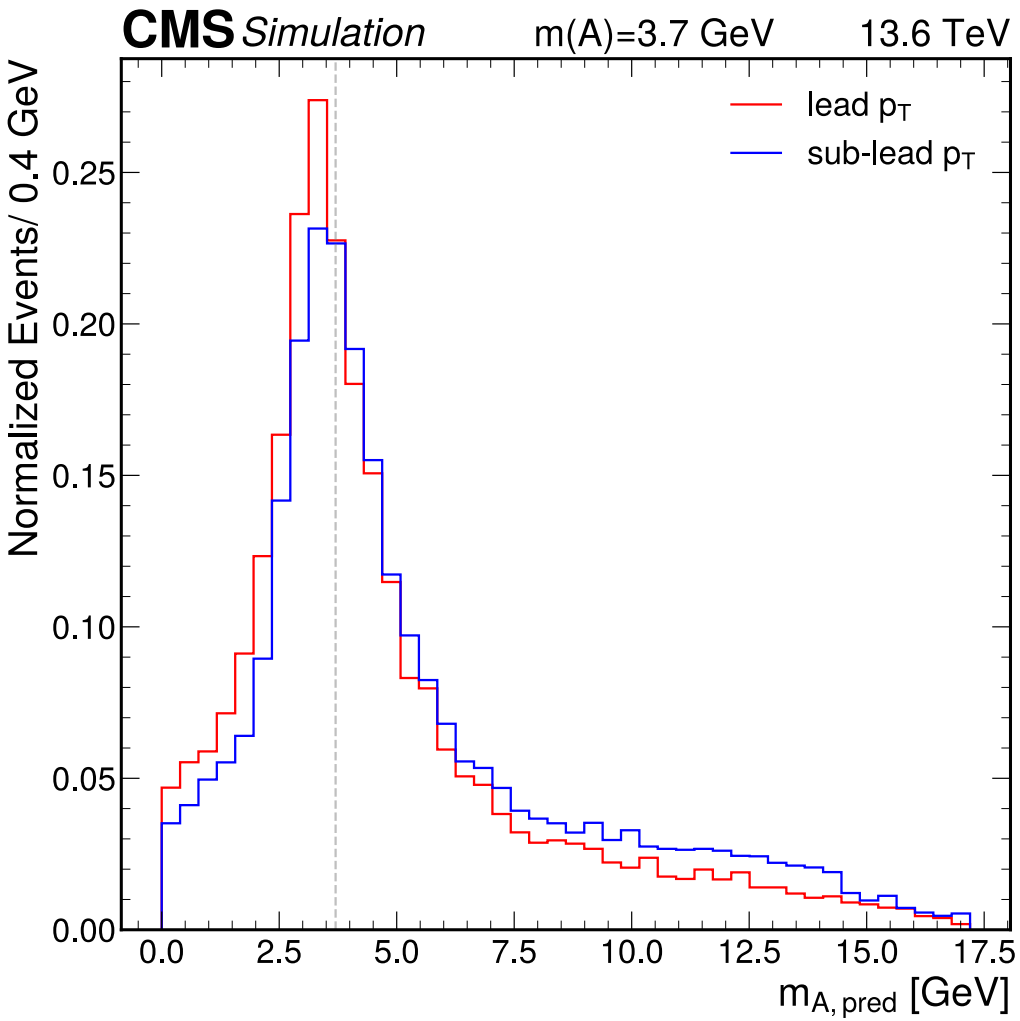


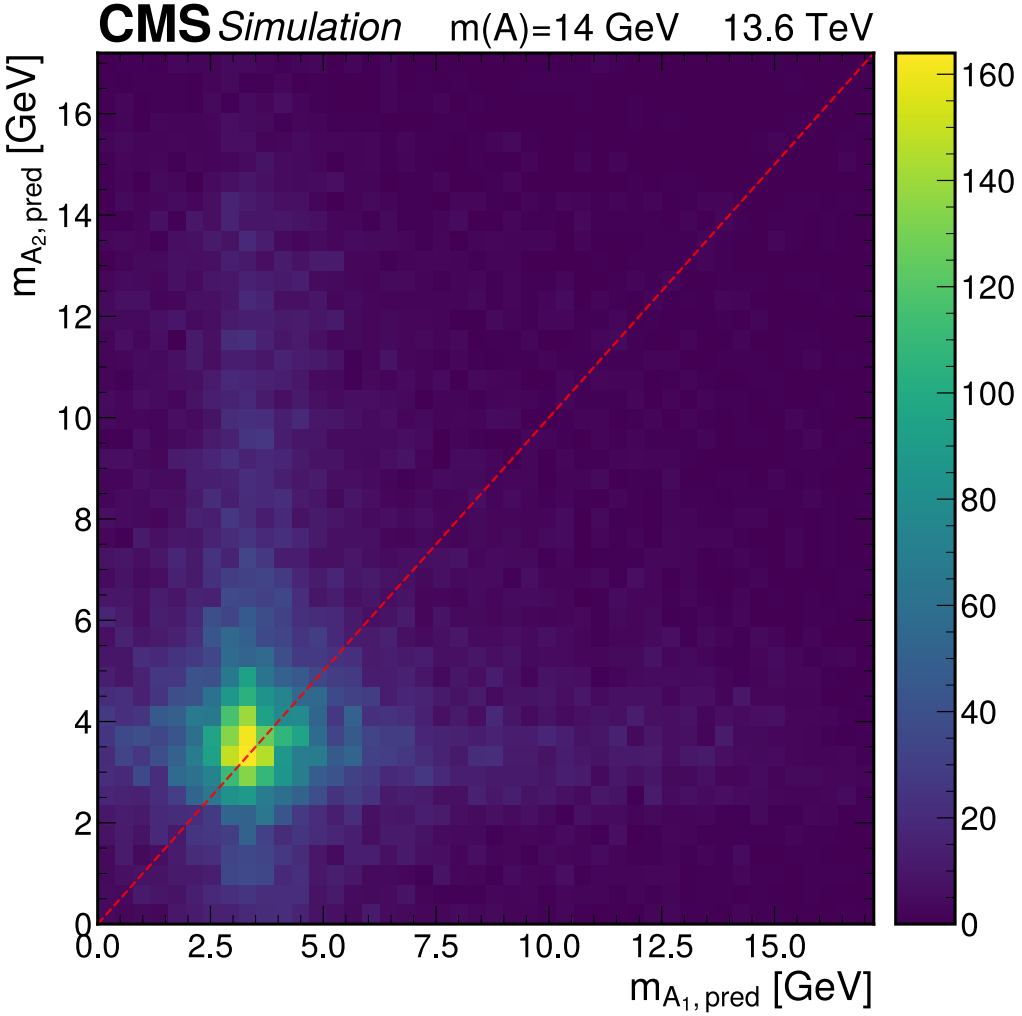
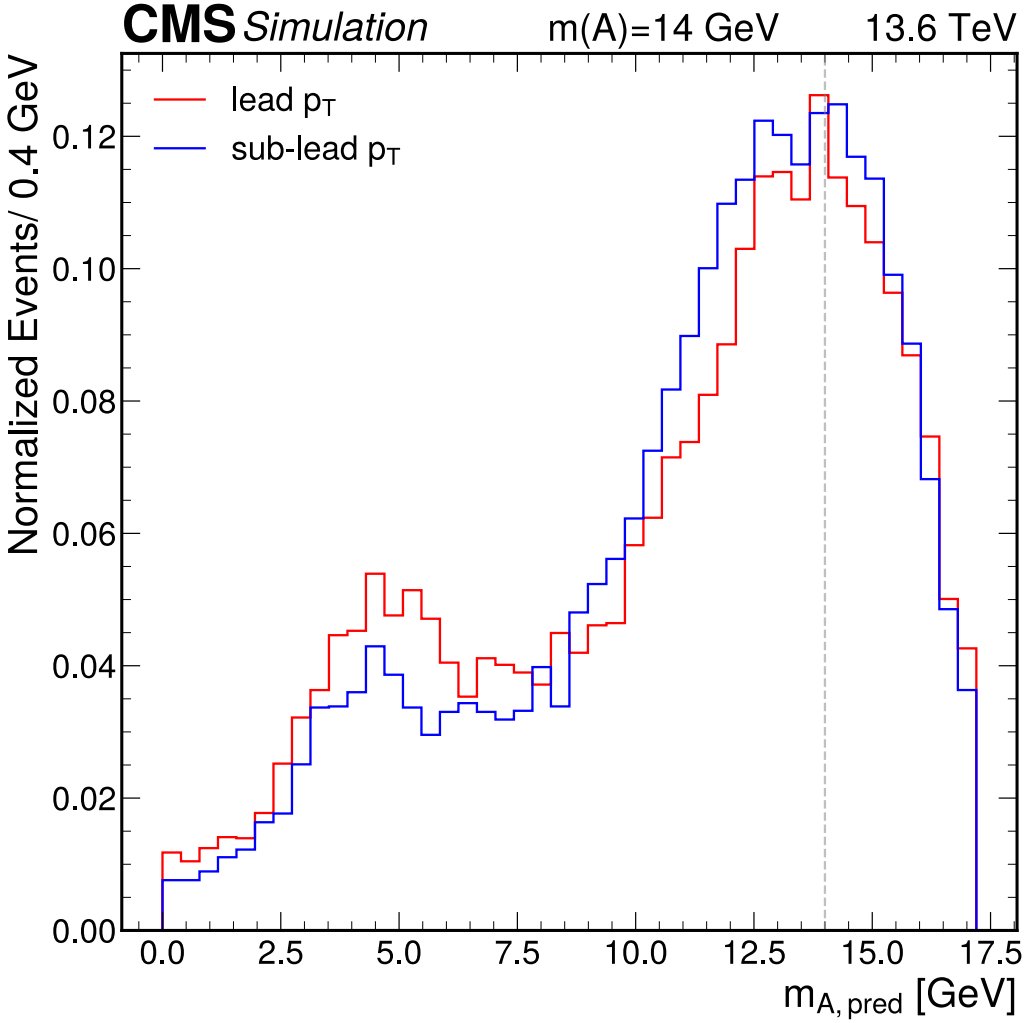
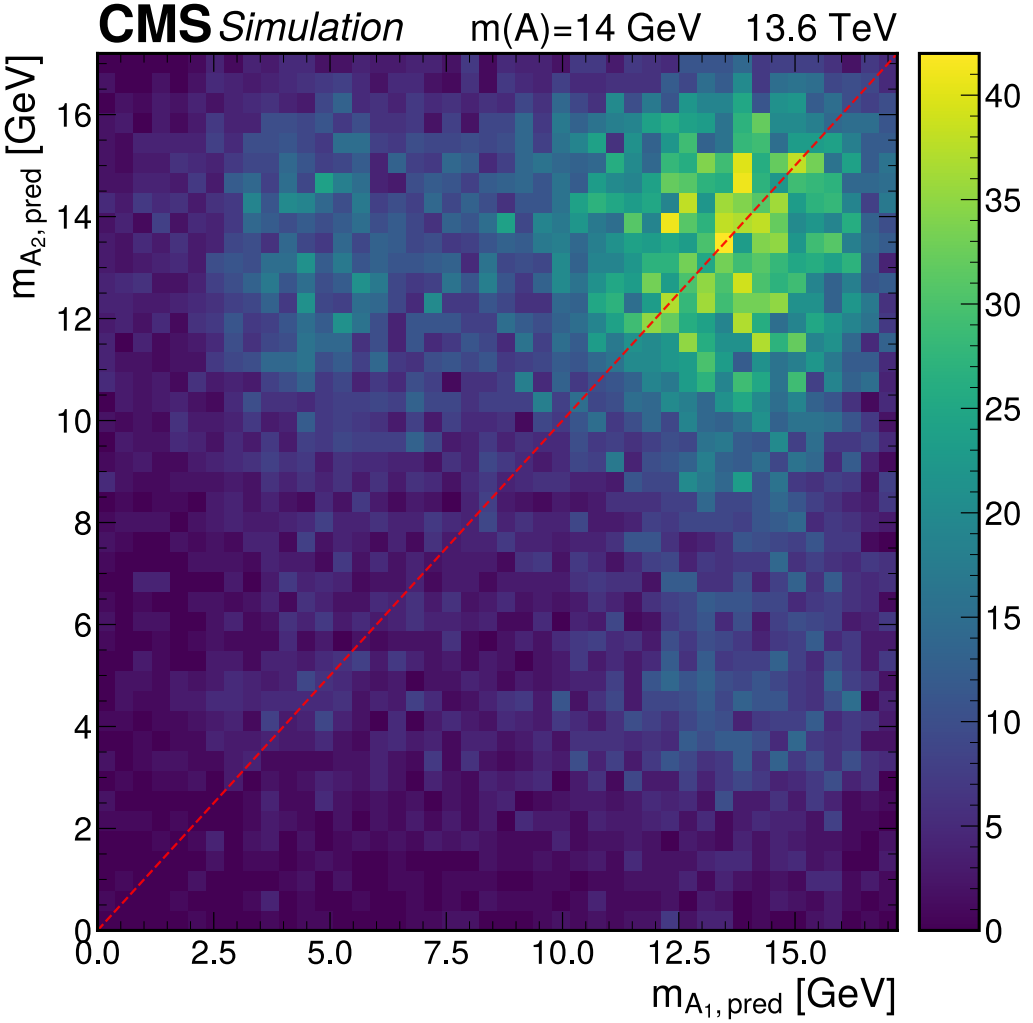
- Events with exactly 2 jets selected
- Inference directly ran on root file and 4 new column mass_A1_raw(leading jet pT) and mass_A2_raw (sub-leading jet pT), mass_A1(corrected) and mass_A2(corrected) added.

Mass_A1_raq	Mass_A2_raw	mass_A1	mass_A2	JetpT
Corrected A1	-9999.9999	Predicted A1	-9999.9999	leading
-9999.9999	Corrected A2	-9999.9999	Predicted A2	sub-leading

Try to kept information from with jet leading and sub-leading pt coming

Inference on signal mass 3.7 GeV (corrected predictions)





Inference on signal mass 14 GeV (corrected predictions)