## Linear correlation coefficients in % $m_{pred}^{opt2}(t)$ -3 -2

-5

100

 $m^{opt_1}_{pred}(t)$ 

100

16

 $m^{op_{12}}_{\nu_{is}}(H)$ 

100

100

80

60

40

20

0

-20

-40

-60

-80

-100

100

70

-10

 $\Delta\eta( au_{had}, \mathcal{C}_1)$ 

 $\Delta R$ (clossest b - tagged jet,  $\ell_1$ )

 $m^{op_{12}}$   $p_{red}(t)$ 

3

3

 $\Delta\eta(\tau_{had},\ell_2)$ 

 $\Delta R$ (clossest b – tagged jet,  $\ell_1$ ) -8 -2 70 100  $\Delta\eta(\tau_{had},\mathcal{E}_1)$ 3 100

Correlation Matrix (Type 2)

19

100

mopy (H)

 $AR(b-tagged jet, \ell_2)$ 

 $\Delta\eta(\tau_{had},\ell_2)$ 

 $m_{vis}^{opt2}(H)$ 

 $m_{pred}^{opt1}(t)$ 

 $m_{vis}^{opt1}(H)$ 

 $\Delta R(b - \text{tagged jet}, \ell_2)$ 

 $\Delta R(b - \text{tagged jet}, \ell_1)$ 

-9

16

67

100

 $AR(b-tagged jet, \ell_2)$ 

-10

3

100