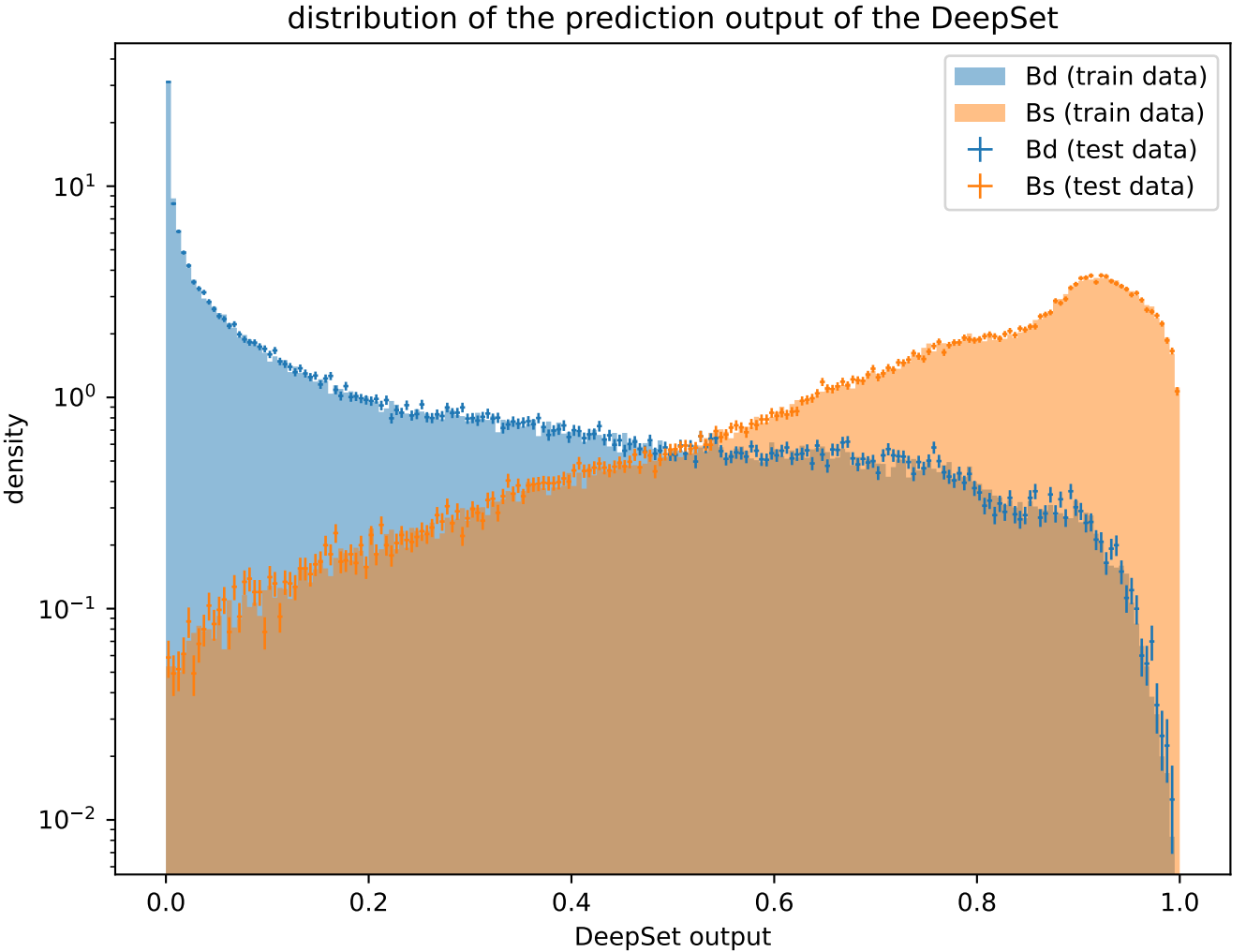
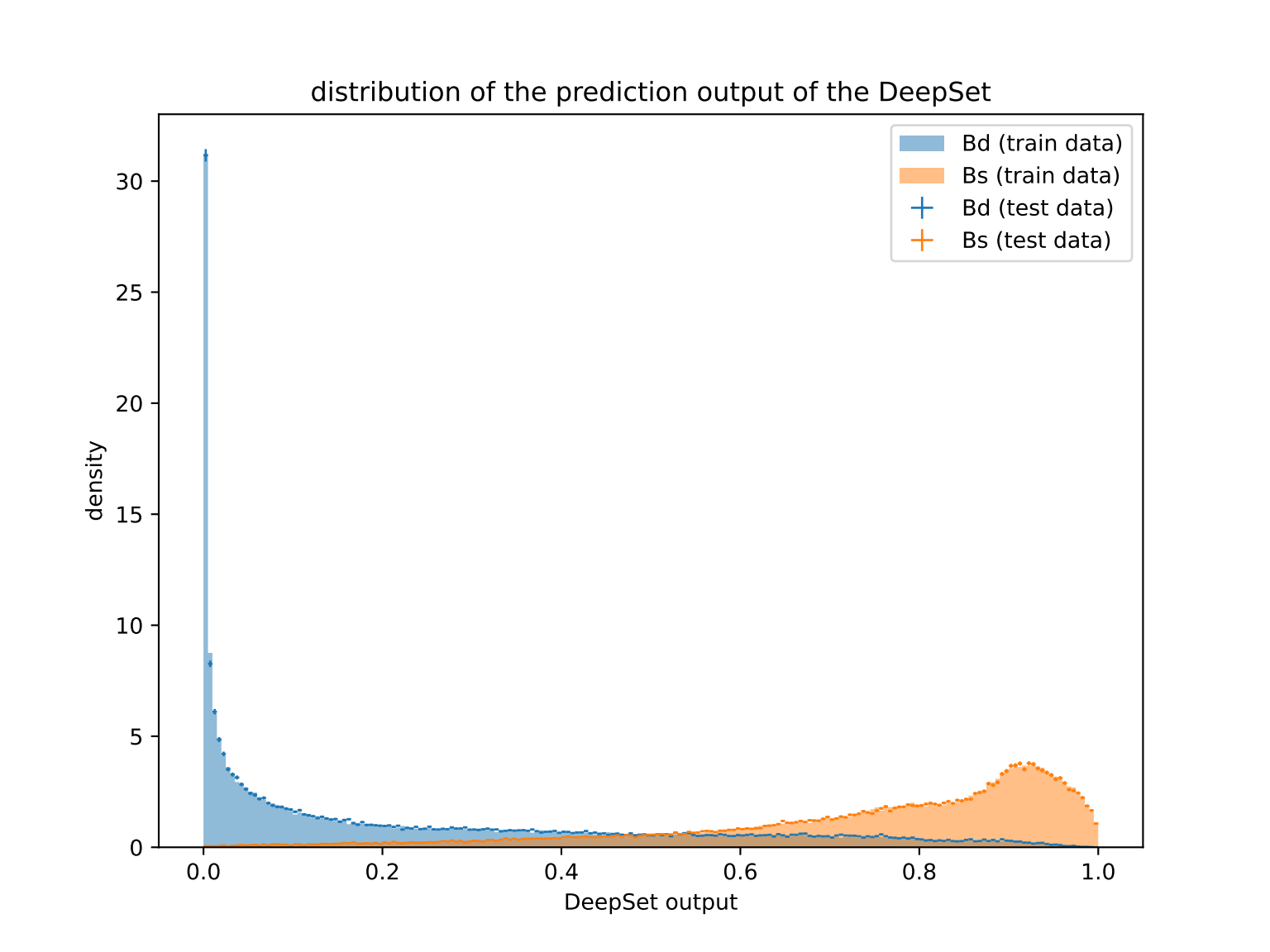
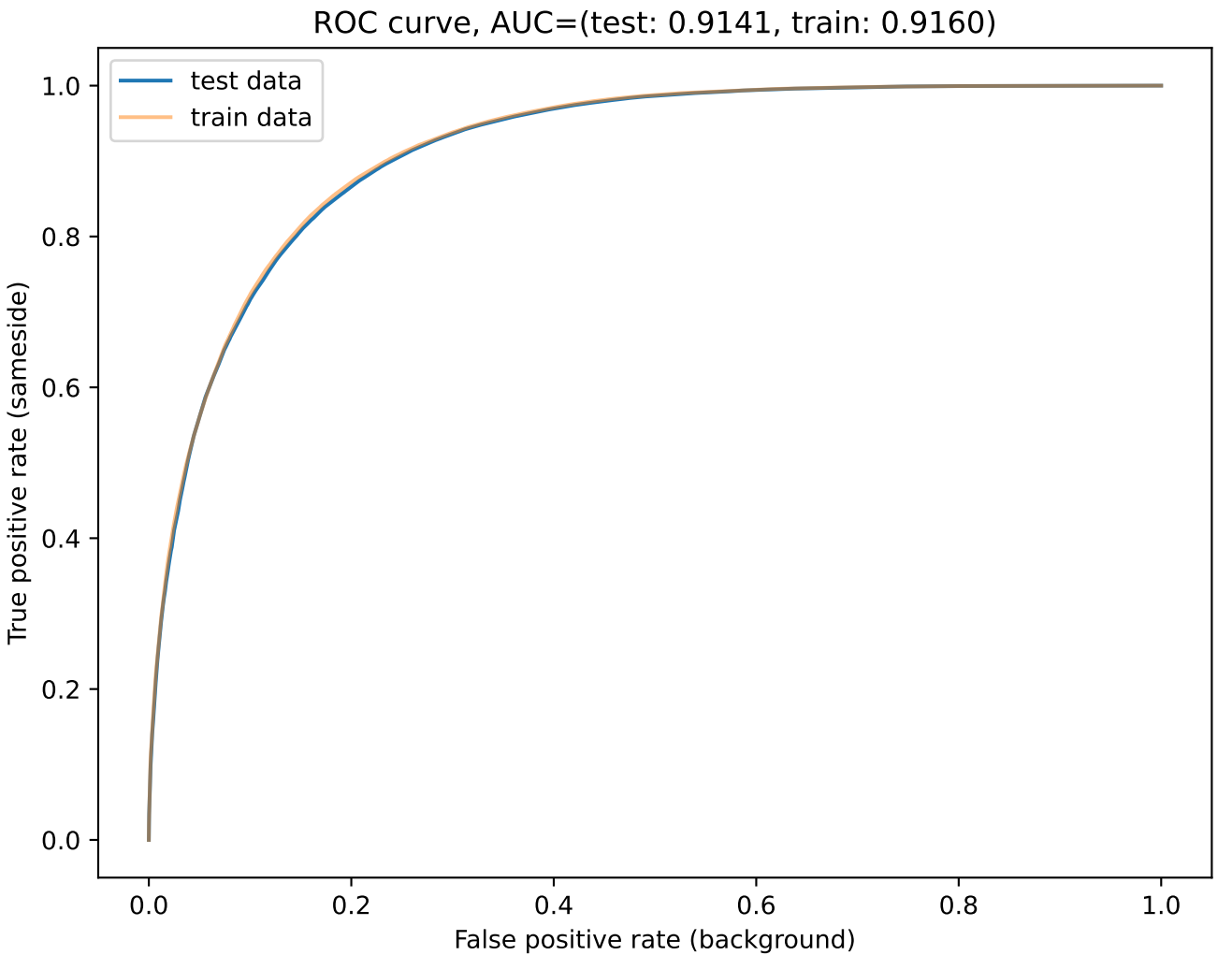
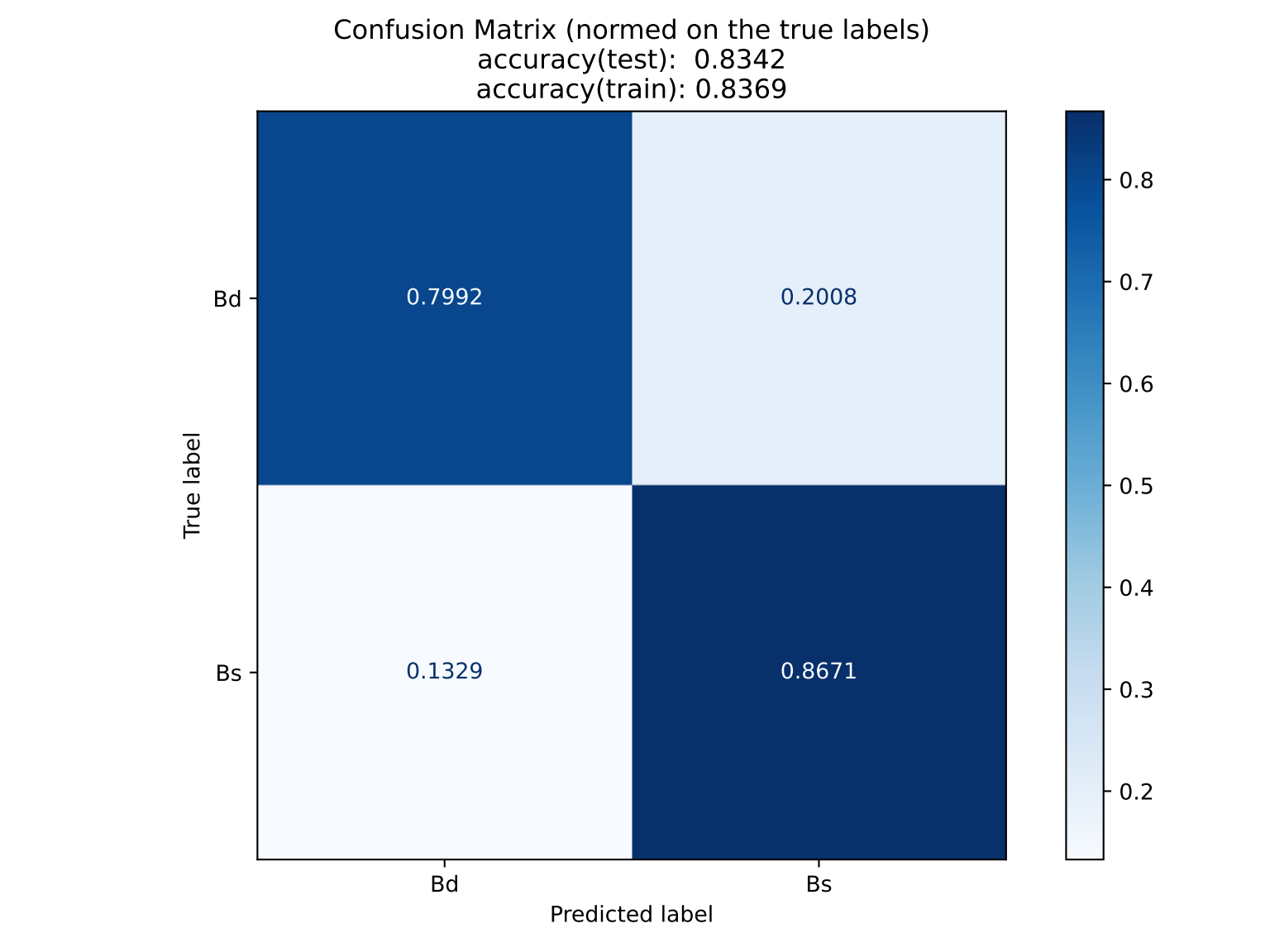
training performance (loss)
loss
iteration
0.65
0.60
0.55
0.50
0.45
0.40
0.35
0
100
200
300
400
best epoch: 418
training data
test data

training performance (error)
best epoch: 418
training data
test data
0.40
0.35
0.30
0.25
0.20
0.15
error
0
100
200
300
400
iteration


distribution of the prediction output of the DeepSet
Bd (train data)
Bs (train data)
Bd (test data)
Bs (test data)
density
10^{1}
10^{0}
10^{-1}
10^{-2}
0.0
0.2
0.4
0.6
0.8
1.0
DeepSet output


distribution of the prediction output of the DeepSet
Bd (train data)
Bs (train data)
Bd (test data)
Bs (test data)
density
0
5
10
15
20
25
30
0.0
0.2
0.4
0.6
0.8
1.0
DeepSet output


ROC curve, AUC=(test: 0.9141, train: 0.9160)
test data
train data
True positive rate (sameside)
False positive rate (background)
0.0
0.2
0.4
0.6
0.8
1.0


Confusion Matrix (normed on the true labels)
accuracy(test): 0.8342
accuracy(train): 0.8369
0.7992
0.2008
0.1329
0.8671
Bd
Bs
True label
Bd
Bs
Predicted label
0.8
0.7
0.6
0.5
0.4
0.3
0.2