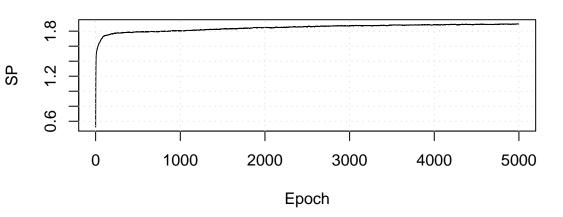
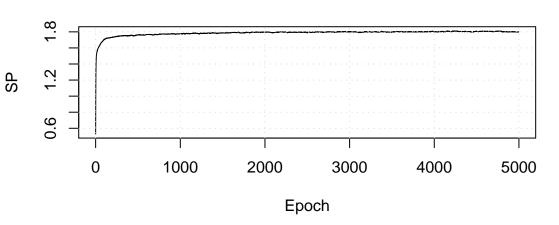
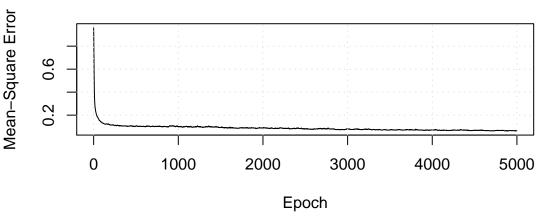
## **SP** evolution (train)



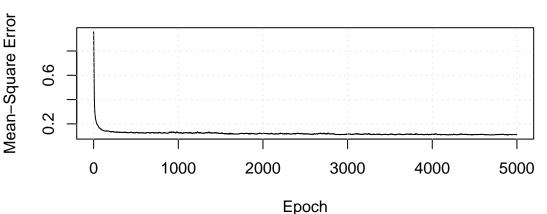
## SP evolution (test)



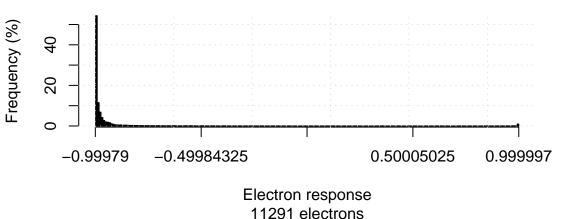


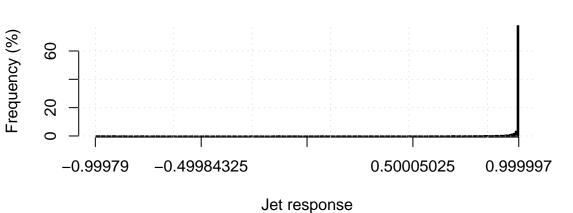






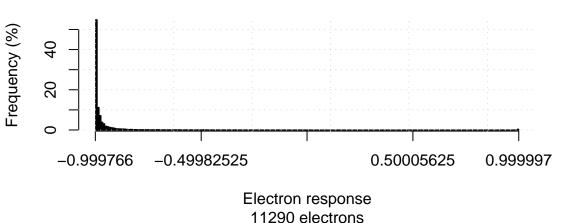
## LMS Output (test)

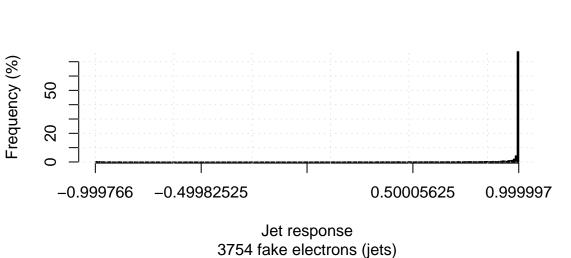




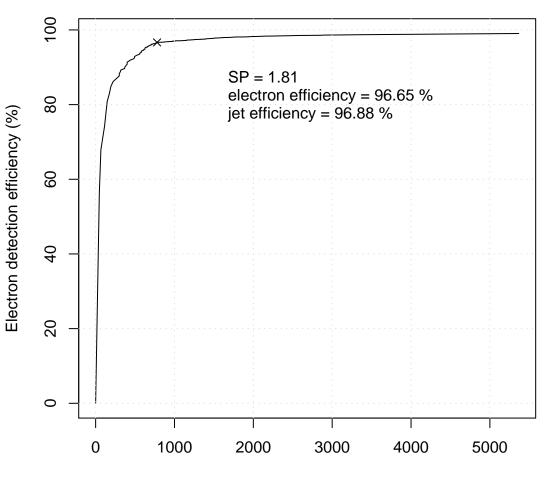
3755 fake electrons (jets)

## LMS Output (train)



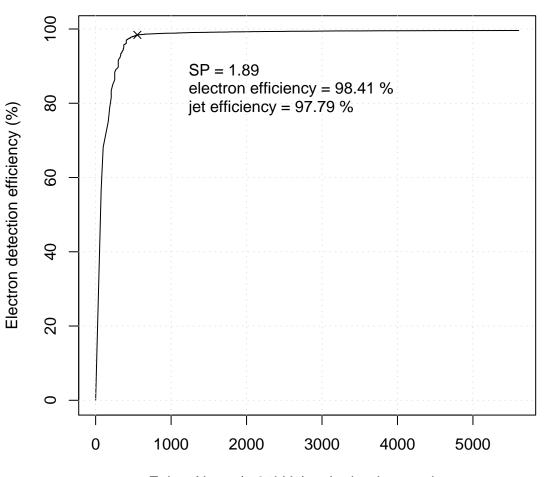


#### R.O.C. for e/jet discrimination



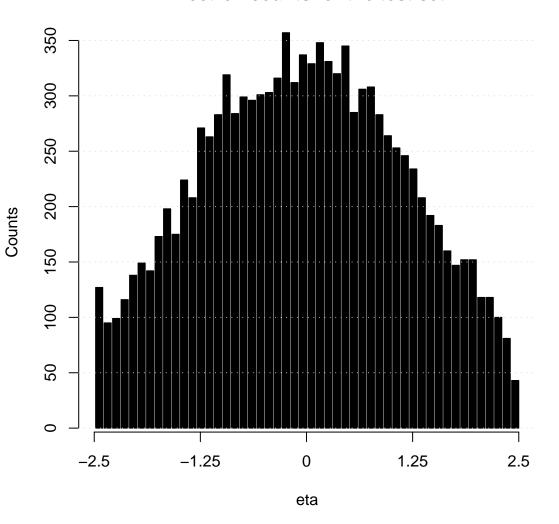
False Alarm (x 25kHz) – Jet background rate [Data from test set]

#### R.O.C. for e/jet discrimination

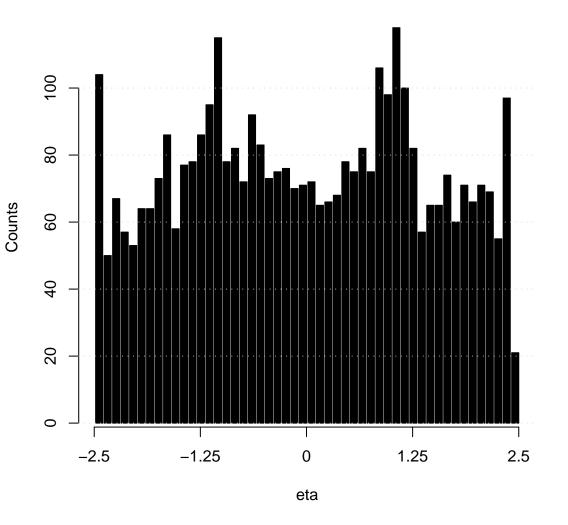


False Alarm (x 25kHz) – Jet background rate [Data from train set]

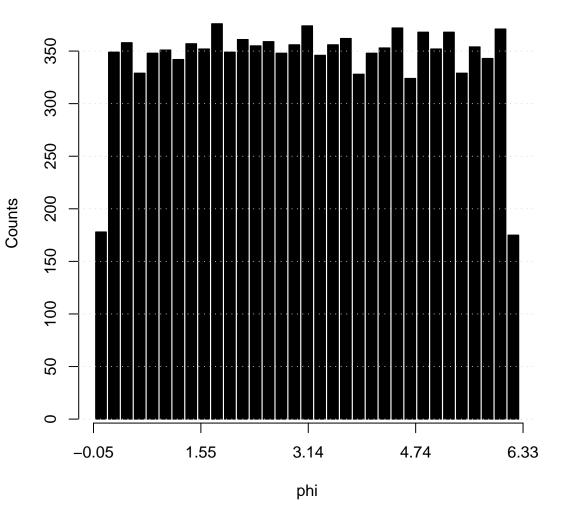
### Electron counts for the test set



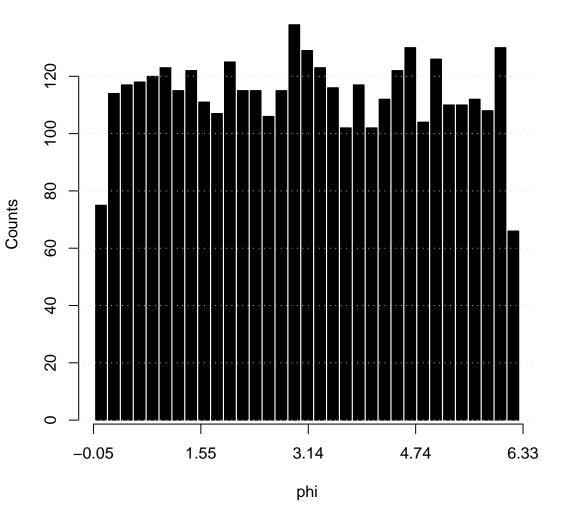
### Jet counts for the test set



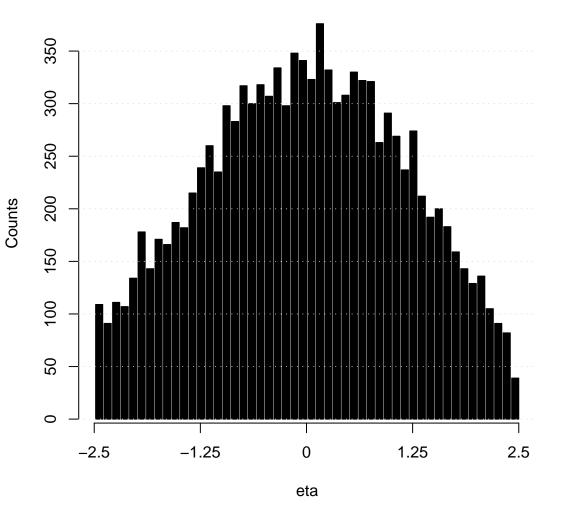
#### Electron counts for the test set



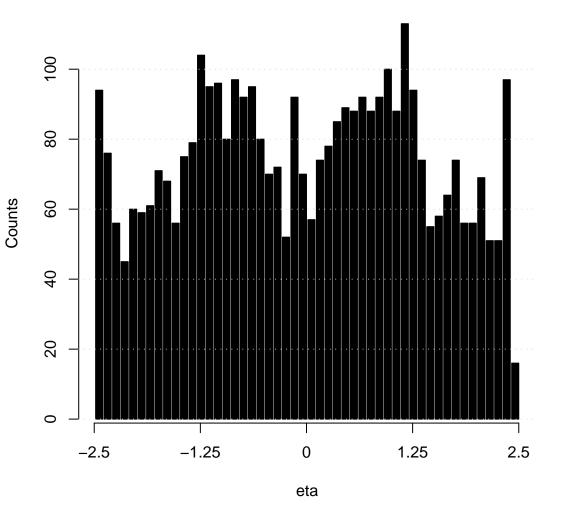
### Jet counts for the test set



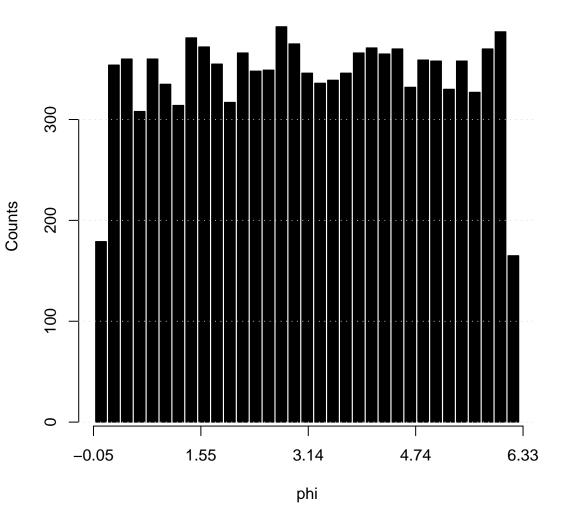
### Electron counts for the train set



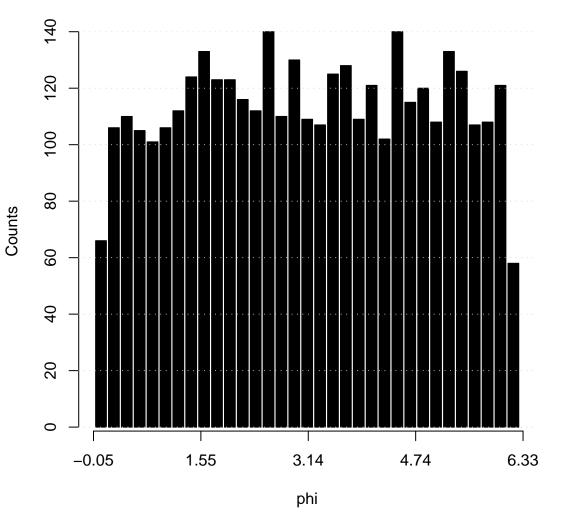
### Jet counts for the train set



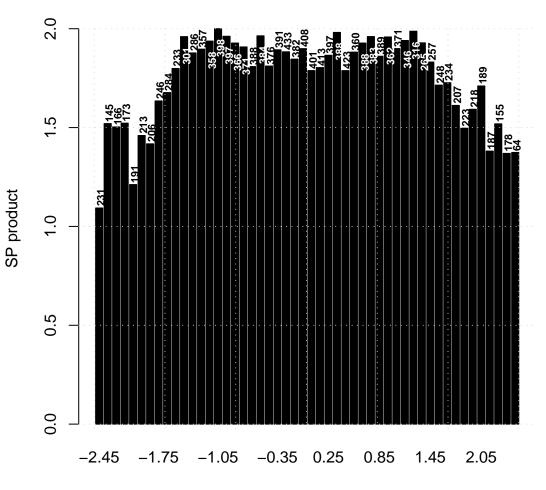
#### Electron counts for the train set



### Jet counts for the train set

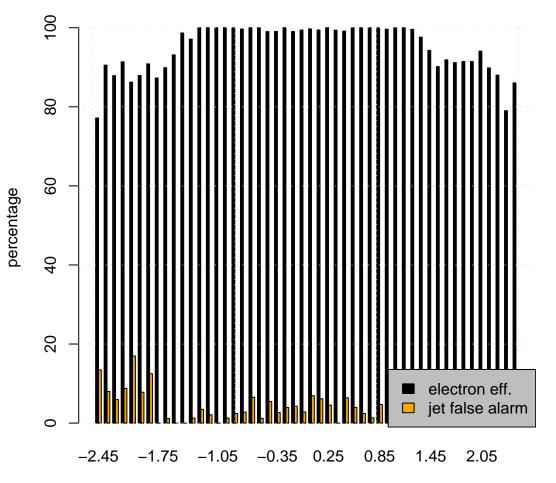


#### SP product analysis for the test set



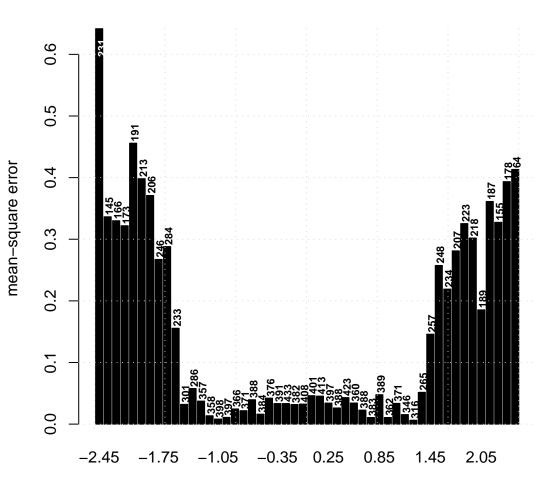
eta [Cut at 0.0302]

## Efficiency analysis for the test set



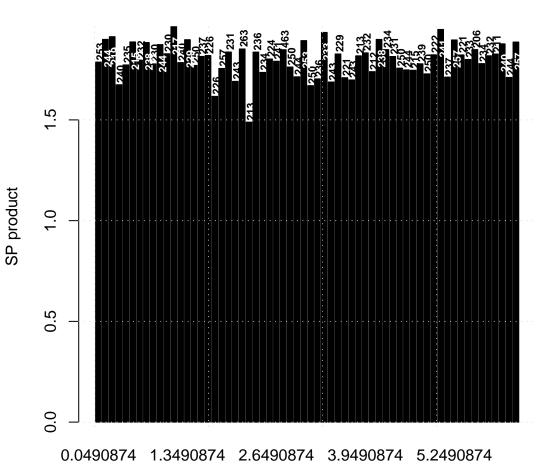
eta [Cut at 0.0302]

## MSE values analysis for the test set



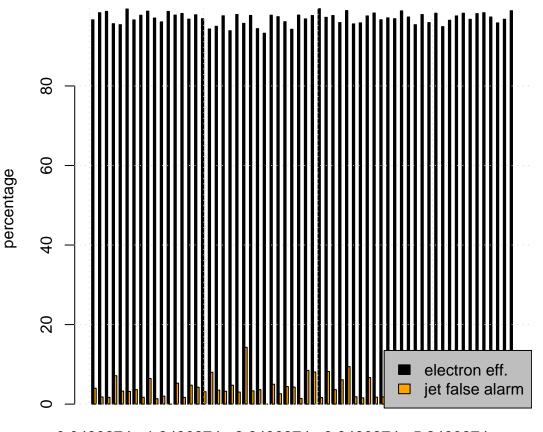
eta [Cut at 0.0302]

#### SP product analysis for the test set



phi [Cut at 0.0302]

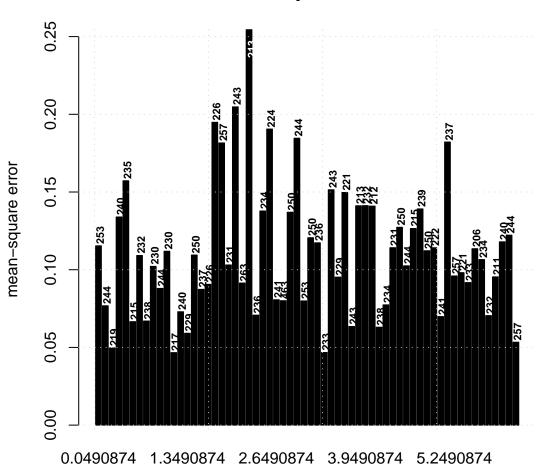
## Efficiency analysis for the test set



0.0490874 1.3490874 2.6490874 3.9490874 5.2490874

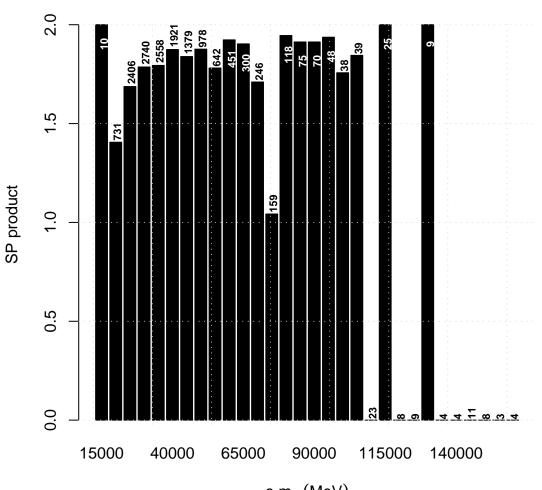
phi [Cut at 0.0302]

#### MSE values analysis for the test set

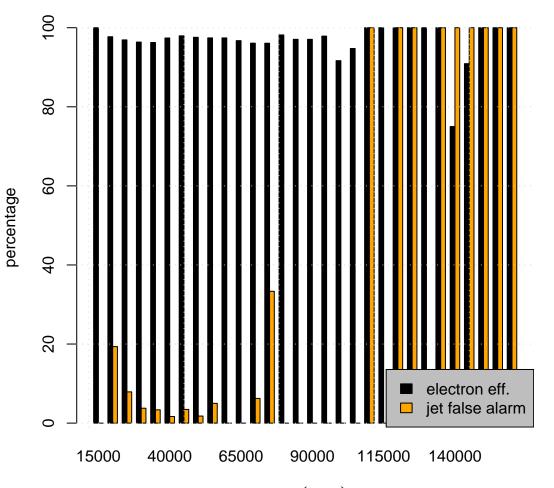


phi [Cut at 0.0302]

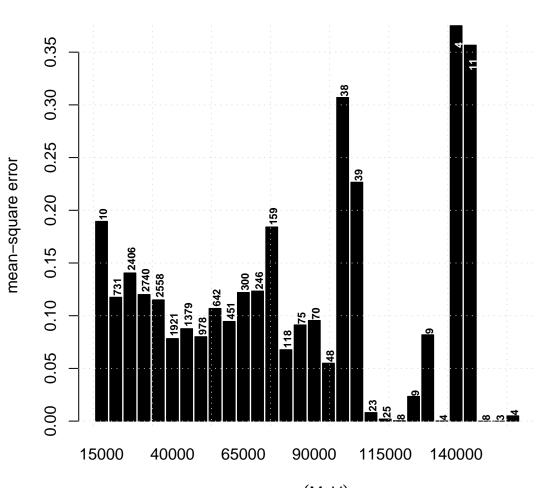
#### SP product analysis for the test set



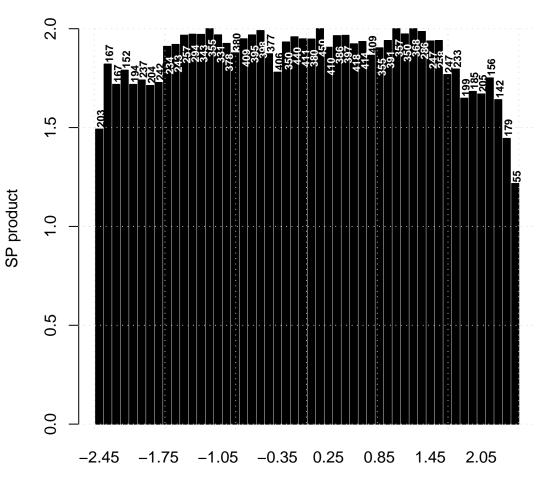
## Efficiency analysis for the test set



#### MSE values analysis for the test set

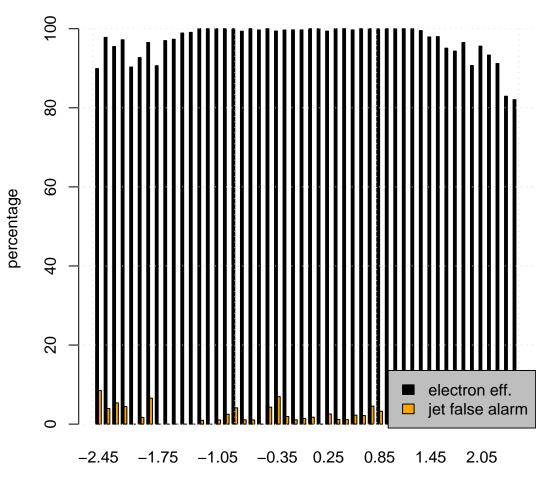


#### SP product analysis for the train set



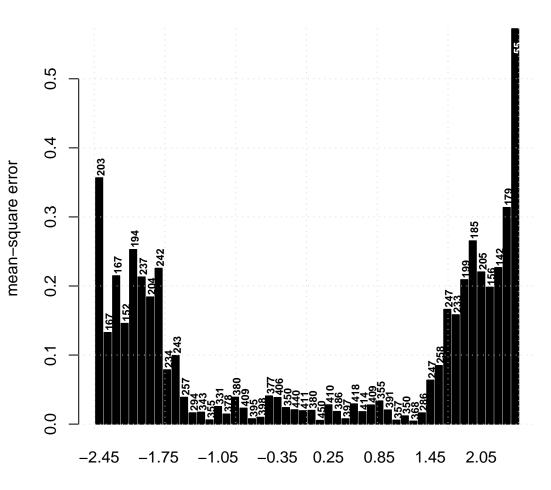
eta [Cut at 0.0302]

#### Efficiency analysis for the train set



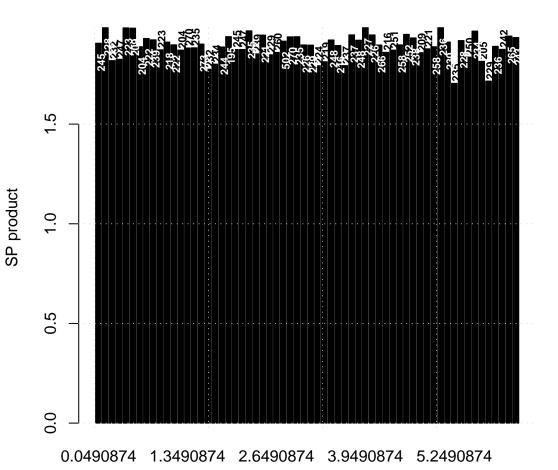
eta [Cut at 0.0302]

## MSE values analysis for the train set



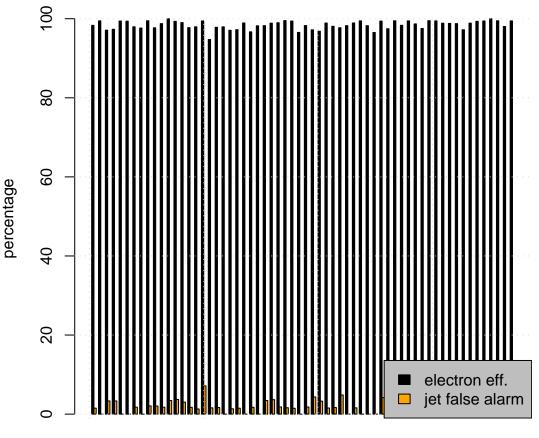
eta [Cut at 0.0302]

#### SP product analysis for the train set



phi [Cut at 0.0302]

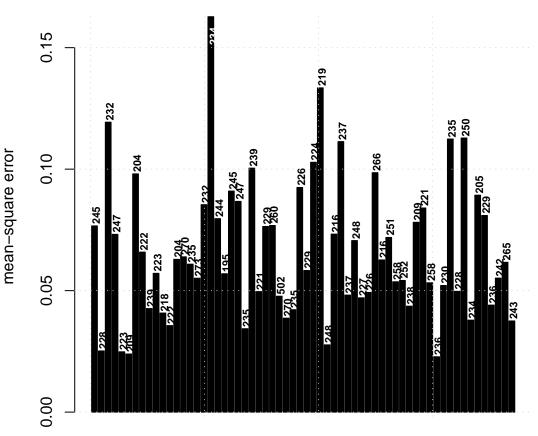
## Efficiency analysis for the train set



0.0490874 1.3490874 2.6490874 3.9490874 5.2490874

phi [Cut at 0.0302]

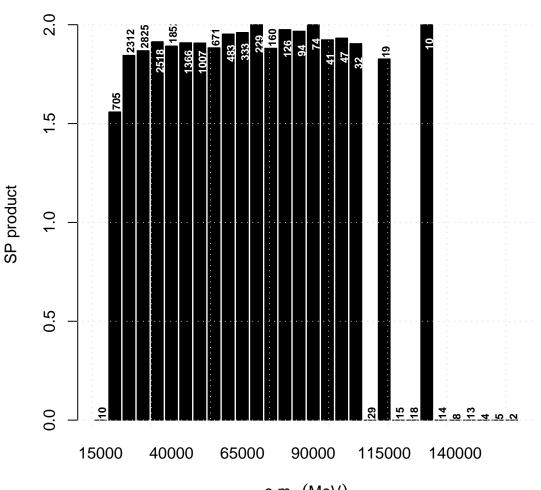
#### MSE values analysis for the train set



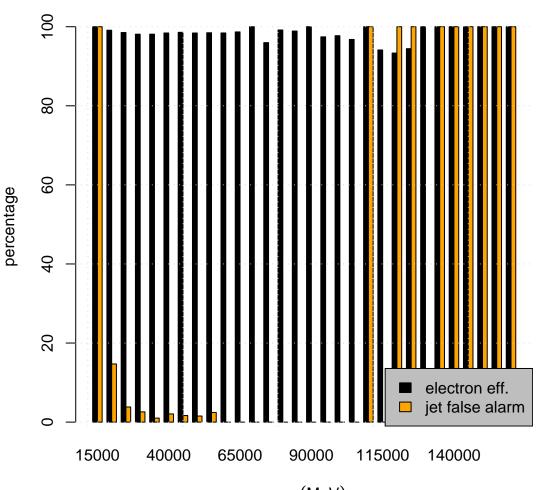
0.0490874 1.3490874 2.6490874 3.9490874 5.2490874

phi [Cut at 0.0302]

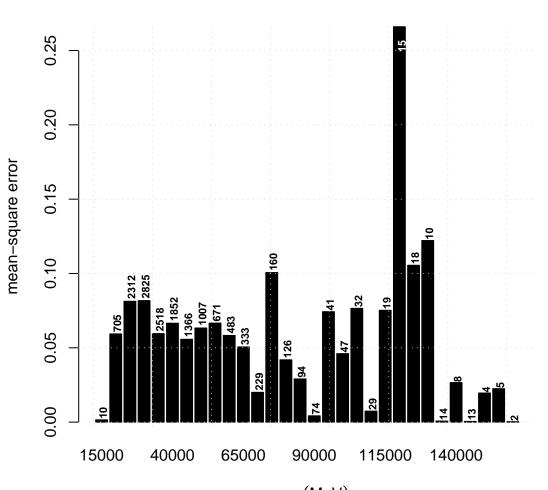
#### SP product analysis for the train set



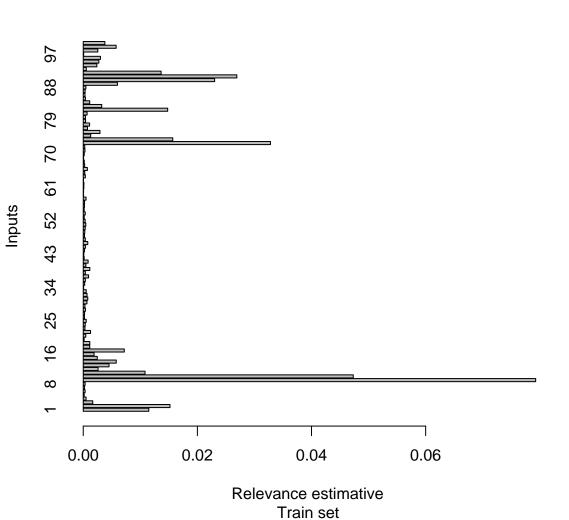
## Efficiency analysis for the train set



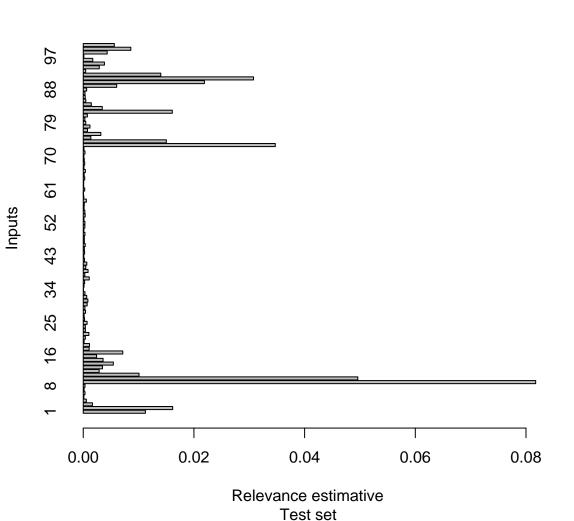
#### MSE values analysis for the train set



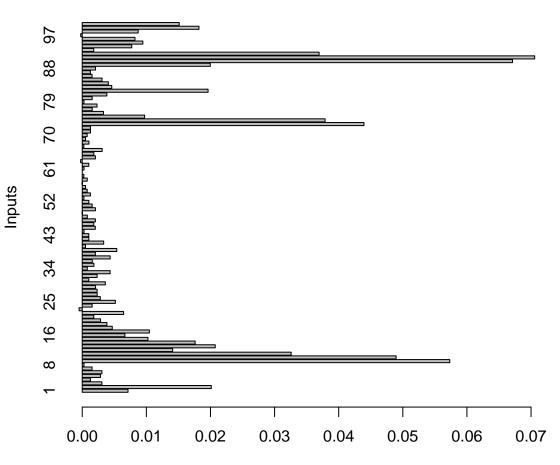
## Relevance analysis (MSE)



## Relevance analysis (MSE)

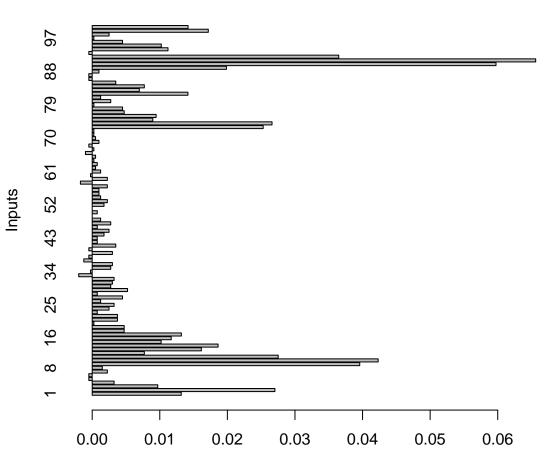


# Relevance analysis (SP product)



Relevance estimative Train set

## Relevance analysis (SP product)



Relevance estimative Test set