

Far/Near ratio w/ several binning

A.Murakami

Binning

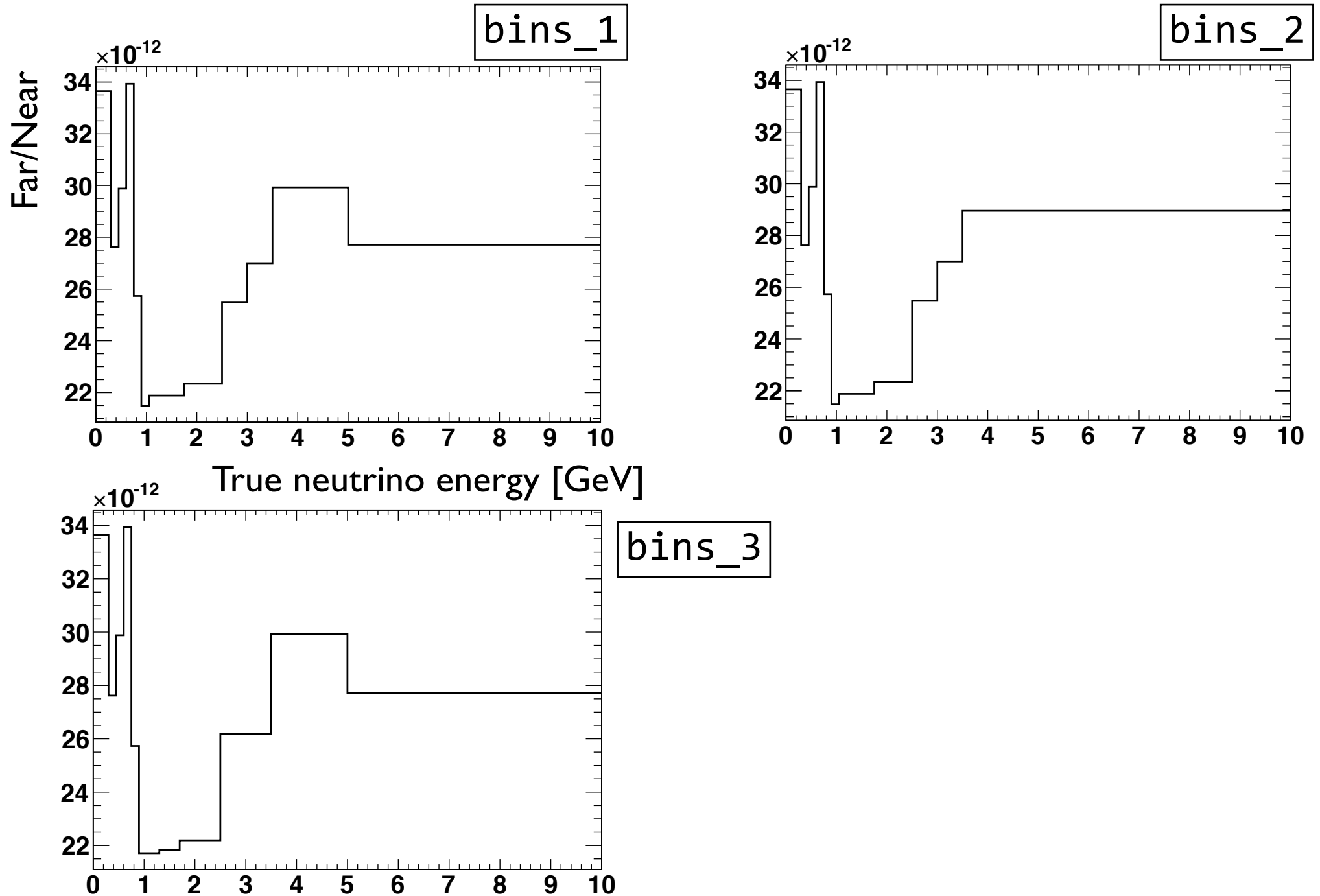
- Some Far/Near ratio histogram with several binning (as the followings)
 - 0~0.3GeV : merge to 1 bin due to small contribution to nd280 and SK
 - 0.3~1 GeV : as possible as fine binning so that the dip structure of Far/Near remains.
 - 1 GeV ~ : coarser binning to reduce total # of bins.

```
bins_1[13] = {0.0, 0.3, 0.45, 0.6, 0.75, 0.9, 1.05, 1.75,  
2.5, 3.0, 3.5, 5, 10.0};
```

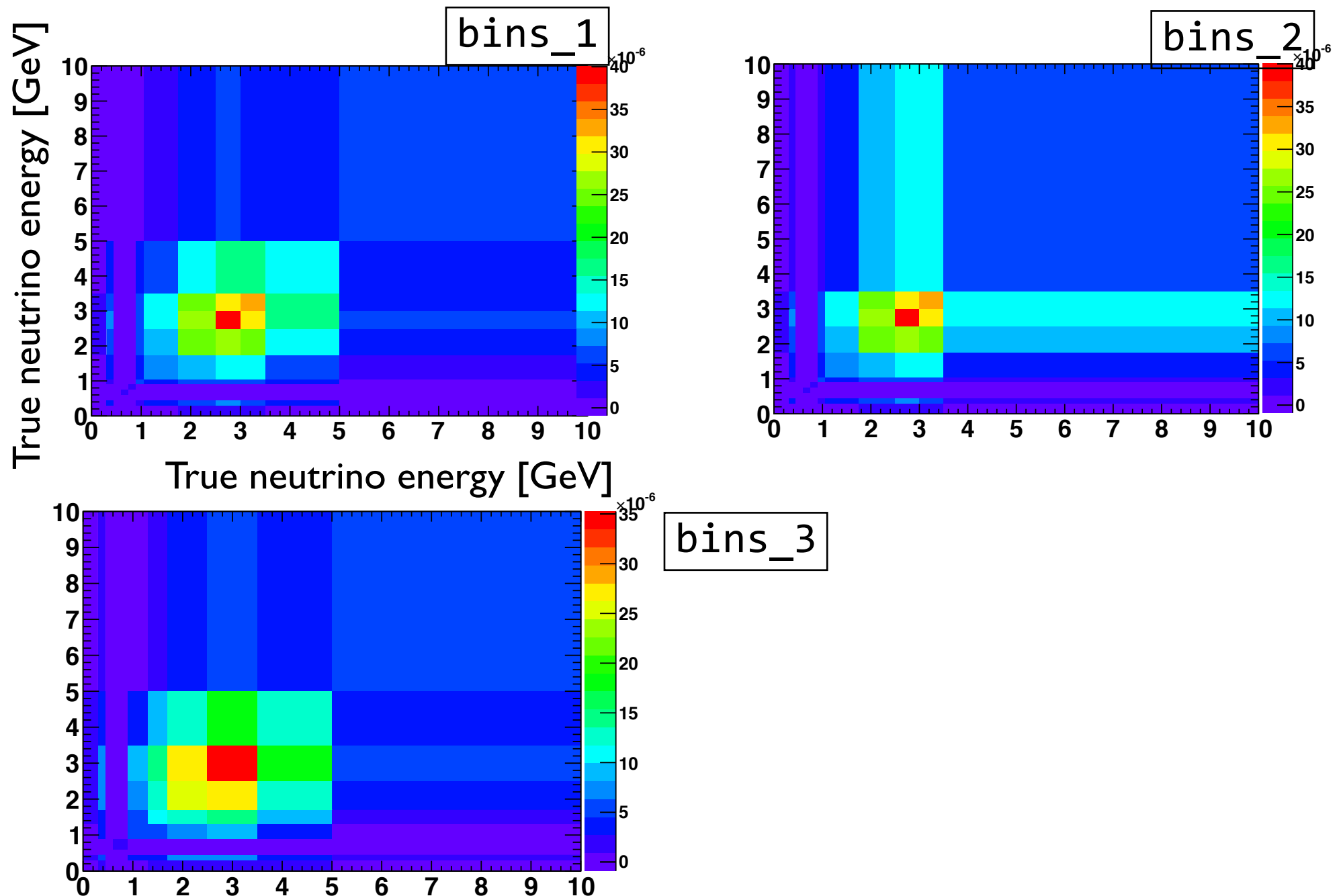
```
bins_2[12] = {0.0, 0.3, 0.45, 0.6, 0.75, 0.9, 1.05, 1.75,  
2.5, 3.0, 3.5, 10.0};
```

```
bins_3[12] = {0.0, 0.3, 0.45, 0.6, 0.75, 0.9, 1.3, 1.7, 2.5,  
3.5, 5, 10.0};
```

Far/Near ratio



Far/Near π cov. matrix



Far/Near π error

