100 non- precessing BBH events

Constructing the intrinsic posterior distribution

Generated on same grid

Integrate over extrinsic variables

Integrate over extrinsic variables

Model averaged posterior sample

Calculate average likelihood values

Likelihood values for points in the grid

Likelihood values for points in the grid

Injection: SEOBNRv4

Recovery: SEOBNRv4

Injection: SEOBNRv4

Recovery: IMRPhenomD