

# bsePopbin

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There are 4 file folders in this project.

## Fortran0415

modified fortran code BSE

- popbin\_mine.f: main function for POPBIN program, get the evolution details of every stage.
- popbin\_hanchen.f: POPBIN program. This program is for calculating the birth rate of each binary systems when the Neutron star born. More details are available in README\_BSE, README\_SSE and README\_NEW. The history of modified could be found in [note.txt](#) here.

## FortranOri

This is the original BSE code for backup.

## Python

This file folder contains all the analysis python program. More details could be found in its [README.md](#)

## Data

This is the file folder for saving data and will not be uploaded to github.

## PaperPlotData

This is the file folder for saving mesa data and popbin data with label being **1117**.

- 1117\_paper.mat: popbin data with label being **1117**
- hanchen\_first\_neutron1124.out: popbin result for mesa plot.
- Lx\_N1207.npy: selected data from mesa output data.

## Contributor

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