

[78] Implications of massive Population III binary systems for the ionizing photons and black hole binary mergers

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- ❖ Fully resolved calculation on the Population III binary systems with various masses & initial separations using *MESA*
- ❖ The contribution of binary stars for the production of ionizing photons is not important compared to single stars
- ❖ Massive binary black hole systems ($> 20 M_{\odot}$) as gravitational wave radiation sources can be produced from Pop III stars via stable mass transfer

Welcome any questions and feedbacks !



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