

AGN Disk

GW Radiation

X-ray Emission

X-ray/UV Emission

Ejecta Shock Breakout

Cocoon Shock Breakout

Cocoon Shock

Choked Jet

Ejecta

Ejecta Shock

NS/BH

Disk Mid-plane

1. Before NS-NS/BH Merger:
GW Signal

2. After Merger

3. Cocoon Shock Breakout:
X-ray Emission

4. Ejecta Shock Breakout:
X-ray/UV Emission



Inspiral

Merger

Cocoon (First) Shock Breakout

Ejecta (Second) Shock Breakout