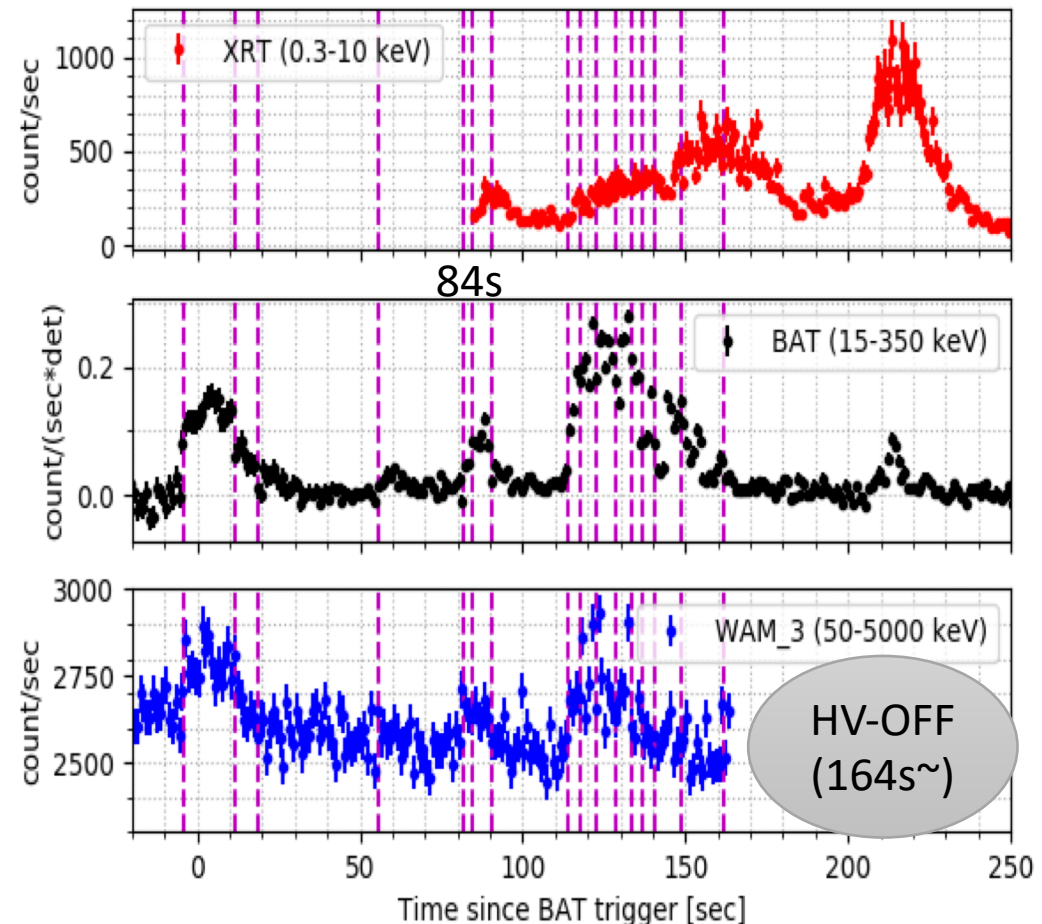


Search for the possible thermal emission from GRB100725B with *Swift* and *Suzaku* (P18)

Daisuke Katsukura (Saitama Univ.)

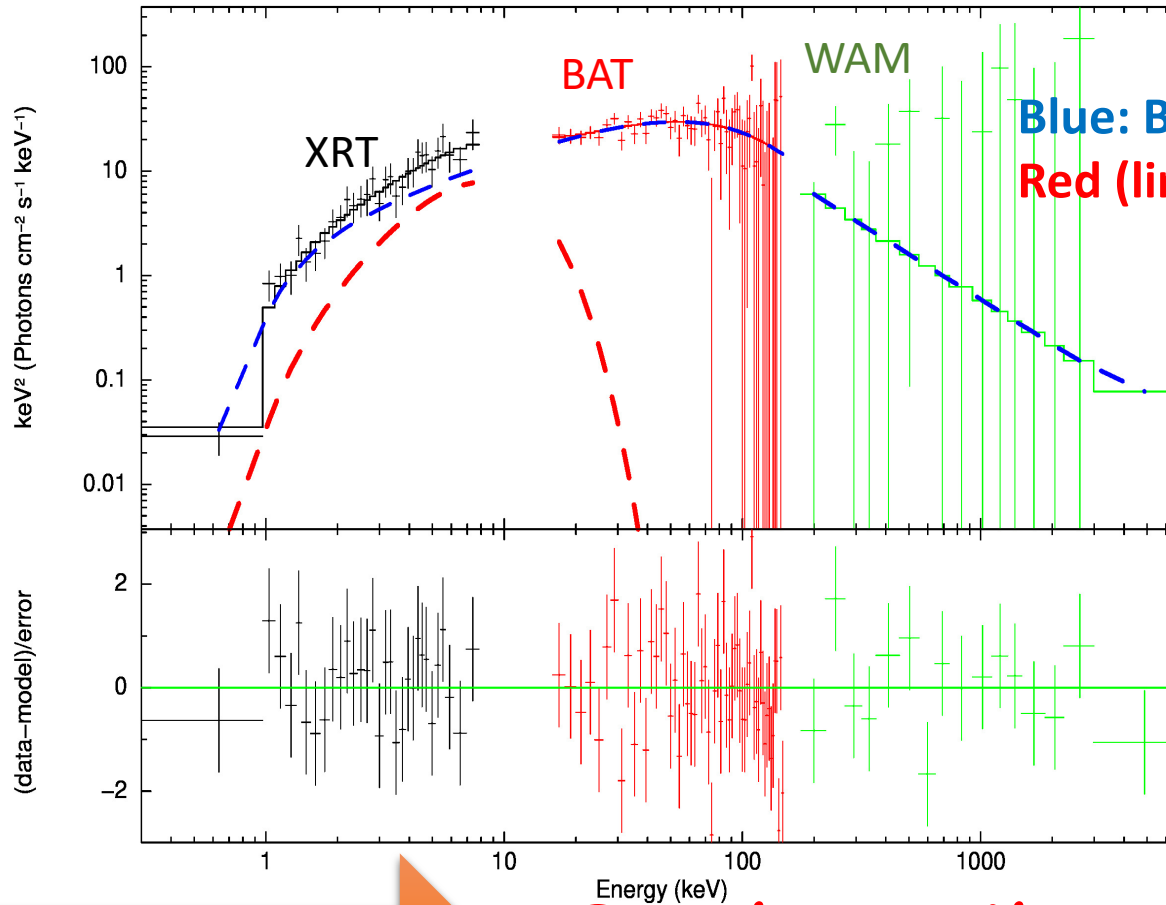
- Duration (BAT): $T_{100}^{BAT} = 231$ s
- Differences among light curves:
 - ✓ XRT \neq BAT & WAM
- Spectral evolution study:
 - ✓ Until WAM HV-OFF
 - ✓ Divided it into 15 intervals
 - ✓ BAT & WAM (< 84 s)
 - ✓ XRT & BAT & WAM (> 84 s)

3-band light curves of GRB100725B



The methods to search for the thermal component:

1. Fitting the joint spectra by the non-thermal model of GRBs (c.f. Single Power-Law, Band function)
2. Adding the black body model to the non-thermal model.



Blue: Band function
Red (line): thermal component?

If you want to get more details...

See how the components varied and discuss at P18