

Collapse of stars to black holes: from a theory to observations

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We propose of the program for search of the collapse stars to black holes using the non-thermal emission of the particles in the magnetospheres of collapsing stars. This emission generate when the star magnetosphere compress during collapse and its magnetic field increases considerable. The electric field thus produced involves acceleration of charged particles, which generate radiation when moving in the magnetic field. Thus the collapsing stars can be the powerful sources of the non-thermal radiation bursts These bursts can be observed by means of modern instruments (radio, X- and gamma- telescopes).