





What is the fate of the Universe?

- <u>Recollapse to gnaB giB ?</u>: crushing heat, destruction of all matter (Big Crunch) Rebirth ?
- <u>Eternal expansion ?</u>: cold, galaxies dimming star formation slowing
- Everything winds up as a brown dwarf black dwarf, neutron star or black hole

Which is it ? Is there enough <u>dark matter</u> to recollapse the universe? Baryonic matter: only few % of critical density Dark matter: only about 25 % of what is needed Looks like Universe is between the "coasting" and "critical" models Universe will expand forever (or so it seems)

