

# IYA

*Thursday 2 April 2009 09:15 (45 minutes)*

Balloon, glass of water and cell phone is a triple/simple demonstration of the expansion, composition and size of the Universe. Blowing the balloon and, at certain moment, drawing a small fuzzy things on it to introduce the galaxies is the beginning. Story-telling about the Big Bang (BB) and history of the Universe continues with a glass of water and introducing one part of the water molecule, hydrogen atom, as the most abundant element in the Universe created in the BB. But where the other part, oxygen, came from? Stars shine, but much more important is that they produce the chemical elements that we all are made of. Hydrogen 'burns' in central part of a star and gives the helium, then helium 'burns' into carbon, and so on. The distance to the Sun, particular star or galaxy we define by time we need to receive cell phone call from there.

**Presenter:** STANIČ, Natasa (Invited Speaker)

**Session Classification:** Organisation