

Topical meeting on Early Universe Cosmology

School of Astronomy - Institute For Research In Fundamental Sciences (IPM)

Wednesday 23 April 2014 - 3 Ordibehesht 1393

| Time | Subject | Speaker |
|-------------|---|-----------------------|
| 08:55 | Opening | |
| 09:00 | Inflationary cosmology and perturbation theory | Ali Akbar Abolhassani |
| 09:45 | The physics of CMB | Sadegh Movahed |
| 10:30 | Break | |
| 11:00 | Anisotropy in CMB and introduction to anisotropic inflationary models | Moslem Zarei |
| 11:45 | Origin and the detection of dark matter micro-halos | Sohrab Rahvar |
| 12:30 | LUNCH | |
| 14:00 | Field theory in de-Sitter space | Mohsen Alishahiha |
| 14:45 | Infra-red modified gravity | Nima Khosravi |
| 15:30 | Break | |
| 16:00 | Search for weakly interacting massive particles as natural candidate for cold dark matter | Maryam Tavakoli |
| 16:45 | Cosmology after BICEP2 | Shant Baghran |
| 17:30 | Final word - Discussion | |