

Center for Cosmology and Astrophysics

List of Seminars, 2021

(from 2021 Jan 14, to Dec 23)

- Dec 23
Sh. Khlghatyan, Tidal effects near massive black holes (continued).
- Dec 16
Sh. Khlghatyan, Tidal effects near massive black holes.
- Dec 9
Sh. Khlghatyan,
On the cosmic web and Zeldovich approximation (figures).
- Dec 2
Sh. Khlghatyan,
On the cosmic web and Zeldovich approximation (continued).
- Nov 25
Sh. Khlghatyan, On the cosmic web and Zeldovich approximation (continued).
- Nov 18
Sh. Khlghatyan, On the cosmic web and Zeldovich approximation (continued).
- Nov 11
Sh. Khlghatyan, On the cosmic web and Zeldovich approximation.
- Nov 4
Mkrtich Gevorgyan, Constraining SN Ia progenitors via their spectral properties (continued).
- Oct 28
Mkrtich Gevorgyan, Constraining SN Ia progenitors via their spectral properties.
- Oct 21
H. Khachatryan, Neural network for gravitational lenses.
- Oct 14
Arpine Karapetyan, Constraining SN Ia progenitors via their distribution relative to spiral arms (continued).

- Oct 7
Arpine Karapetyan, Constraining SN Ia progenitors via their distribution relative to spiral arms.
- Sep 30
Lilit Barkhudaryan, Constraining SN Ia progenitors via their vertical distribution.
- Sep 23
1. Sh. Khlghatyan, Catastrophes in stellar systems;
2. A. Amekhyan, S. Sargsyan, A. Stepanian, TF relation for superspirals and galaxy scalings.
- Sep 16
S. Mirzoyan, AI methods in astrophysical data analysis.
- Sep 9
Sh.Khlghatyan, Elementary catastrophes, applications (continuation).
- Sep 2
Sh.Khlghatyan, Elementary catastrophes, applications.
- Aug 26
Sh.Khlghatyan, Classification of elementary catastrophes.
- Aug 19
A.Stepanian, On Penrose inequality.
- Aug 12
Sh.Khlghatyan, Bifurcations, chaos, turbulence (continued).
- Aug 5
Sh.Khlghatyan, Bifurcations, chaos, turbulence (continued).
- July 29
1. M. Samsonyan, A.A. Kocharyan, A. Stepanian, V.G. Gurzadyan, Cosmic voids and induced hyperbolicity. III. tracing redshift dependence;
2. Sh.Khlghatyan, Bifurcations, chaos, turbulence (continued).
- July 22
Sh.Khlghatyan, Bifurcations, chaos, turbulence (continued).
- July 15
H. Khachatryan, Bayesian cosmological data inference (continuation).

- July 8
H. Khachatryan, Bayesian cosmological data inference.
- July 1
S. Mirzoyan, AI, astronomical data, noise reduction, autoencoders (continued).
- June 24
S. Mirzoyan, AI, astronomical data, noise reduction, autoencoders (continued).
- June 17
S. Mirzoyan, AI, astronomical data, noise reduction, autoencoders
- June 10
A. Stepanian, Hubble tension vs constraints (continued).
- June 3
A. Stepanian, Hubble tension vs constraints (continued).
- May 27
A. Stepanian, Hubble tension vs constraints.
- May 20
Sh. Khlghatyan, Bifurcations, chaos, turbulence (continued).
- May 13
A. A. Hakobyan, A. G. Karapetyan, L. V. Barkhudaryan, M. H. Gevorgyan, V. Adibekyan, Type Ia supernovae in the star formation deserts of spiral host galaxies.
- May 6
Sh. Khlghatyan, Bifurcations, chaos, turbulence (continued).
- April 29
1. A. Stepanian, Probes by galactic dark matter: extreme galaxies
2. Sh. Khlghatyan, Bifurcations, chaos, turbulence (continued).
- April 22
V. Gurzadyan, A. Stepanian, Hubble tension vs two flows.
- April 15
1. A. Stepanian, Sh. Khlghatyan, On tidal disruption of stars by SBH's and Lambda-gravity;
2. Sh. Khlghatyan, Bifurcations, chaos, turbulence (continued).
- April 8
Sh. Khlghatyan, Bifurcations, chaos, turbulence (continued).

- April 1
H.Khachatryan, Bayesian analysis, Cobaya Python package.
- March 25
 1. M.Samsonyan, A.A.Kocharyan, A.Stepanian, V.G.Gurzadyan
Cosmic voids and induced hyperbolicity. II. Sensitivity to
void/wall scales;
 2. Sh.Khlghatyan, Bifurcations, chaos, turbulence.
- March 18
S. Mirzoyan, Revealing galaxy morphology based on artificial
intelligence techniques: deep learning algorithms (continuation).
- March 11
S. Mirzoyan, Revealing galaxy morphology based on artificial
intelligence techniques.
- March 4
A. Stepanian, Penrose process for Kerr - de Sitter BHs,
information aspect.
- Febr 25
A. Stepanian, Penrose process for Kerr - de Sitter BHs, Hawking e
ffect.
- Febr 18
A. Stepanian, Penrose process for Kerr - de Sitter BHs (continuat
ion).
- Febr 11
 1. Sh. Khlghatyan, Fractals and cosmic voids;
 2. A. Stepanian, Penrose process for Kerr - de Sitter BHs.
- Febr 4
Sh. Khlghatyan, From fractals to galaxy distribution, III.
Observational aspects.
- Jan 27
Sh. Khlghatyan, From fractals to galaxy distribution, II.
- Jan 21
Sh. Khlghatyan, From fractals to galaxy distribution, I.
- Jan 14
H.Khachatryan, SN samples and Hubble diagram.