

STELLAR KINEMATICS OF AGN HOST GALAXIES

Ivan Y. Katkov¹, A. V. Zasov¹, Alexei V. Moiseev²,
Anatol M. Cherepaschuk¹

¹*Sternberg Astronomical Institute, Universitetskii pr. 13, Moscow, 119992 Russia*

²*Special Astrophysical Observatory, Nizhnij Arkhyz,
Karachaevo-Cherkesia, 369167, Russia*

Emission gas in the disks of Seyfert galaxies often reveals strong non-circular motions which does not allow to determine in a correct way the circular velocity of a galaxy and its mass. We present the results of data processing of long-slit spectral observations of some AGN host galaxies which were carried out at the SAO RAS 6m telescope. The observed radial profiles of stellar velocities and stellar velocity dispersion were used to compose the mass models of the galaxies. A comparison of the models of galaxies with the masses of their SMBHs is also discussed.